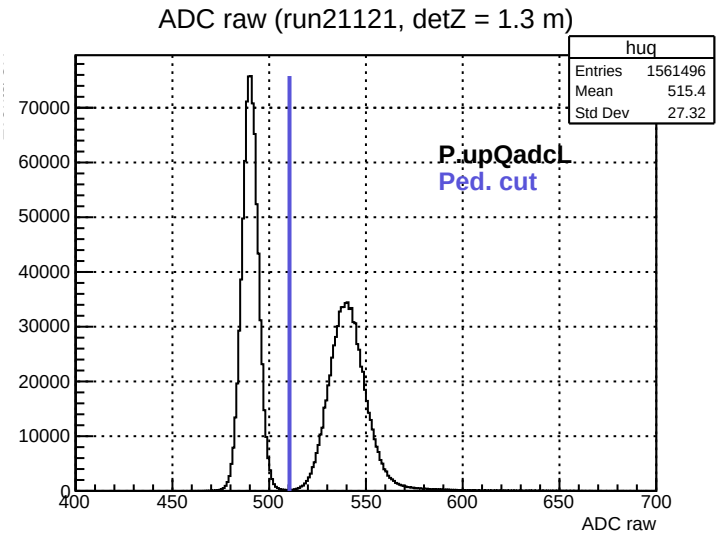
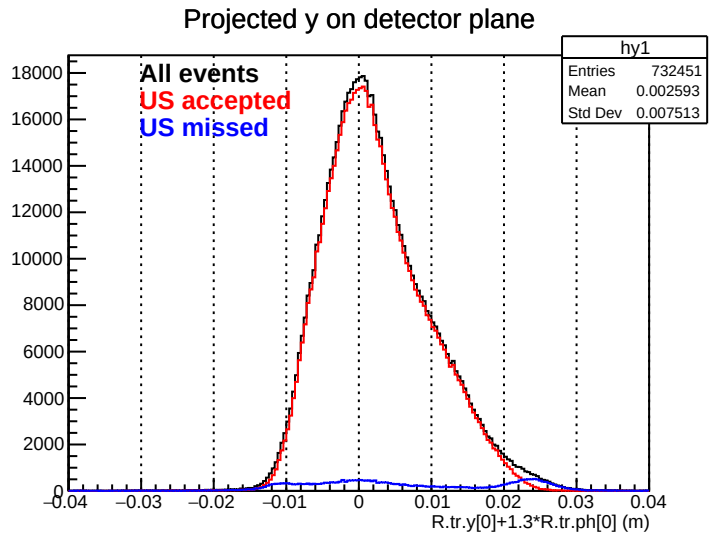
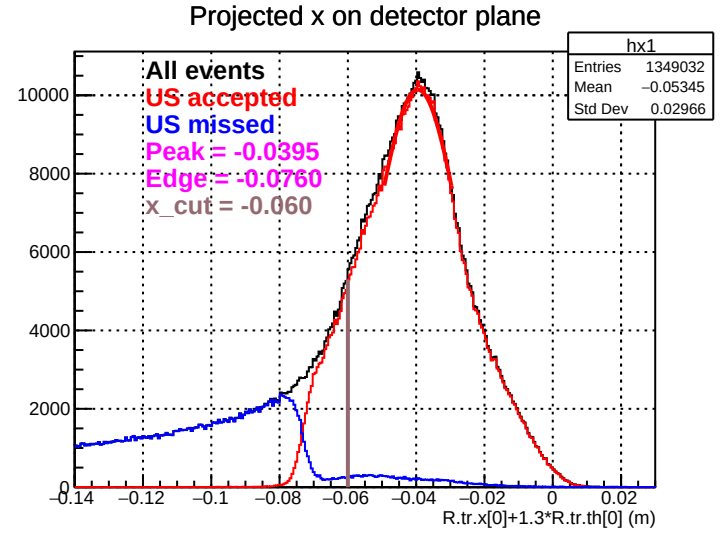
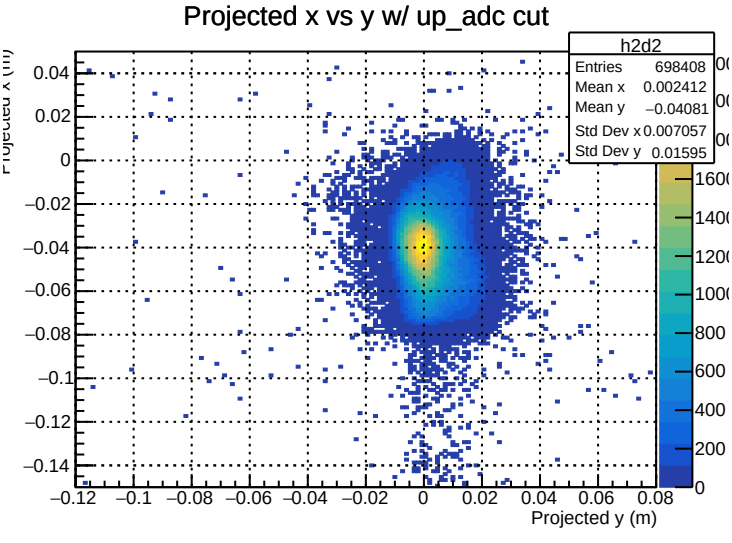
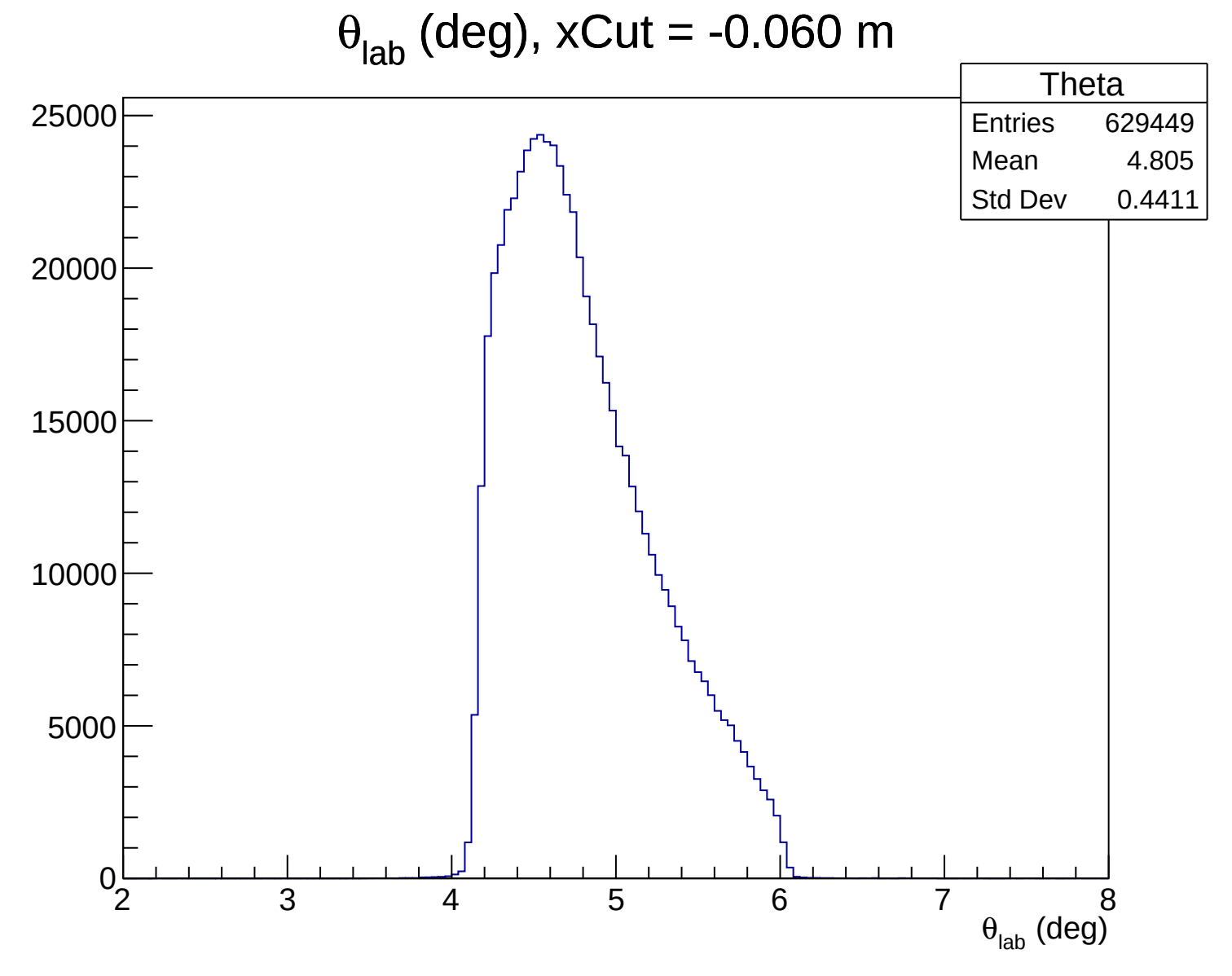
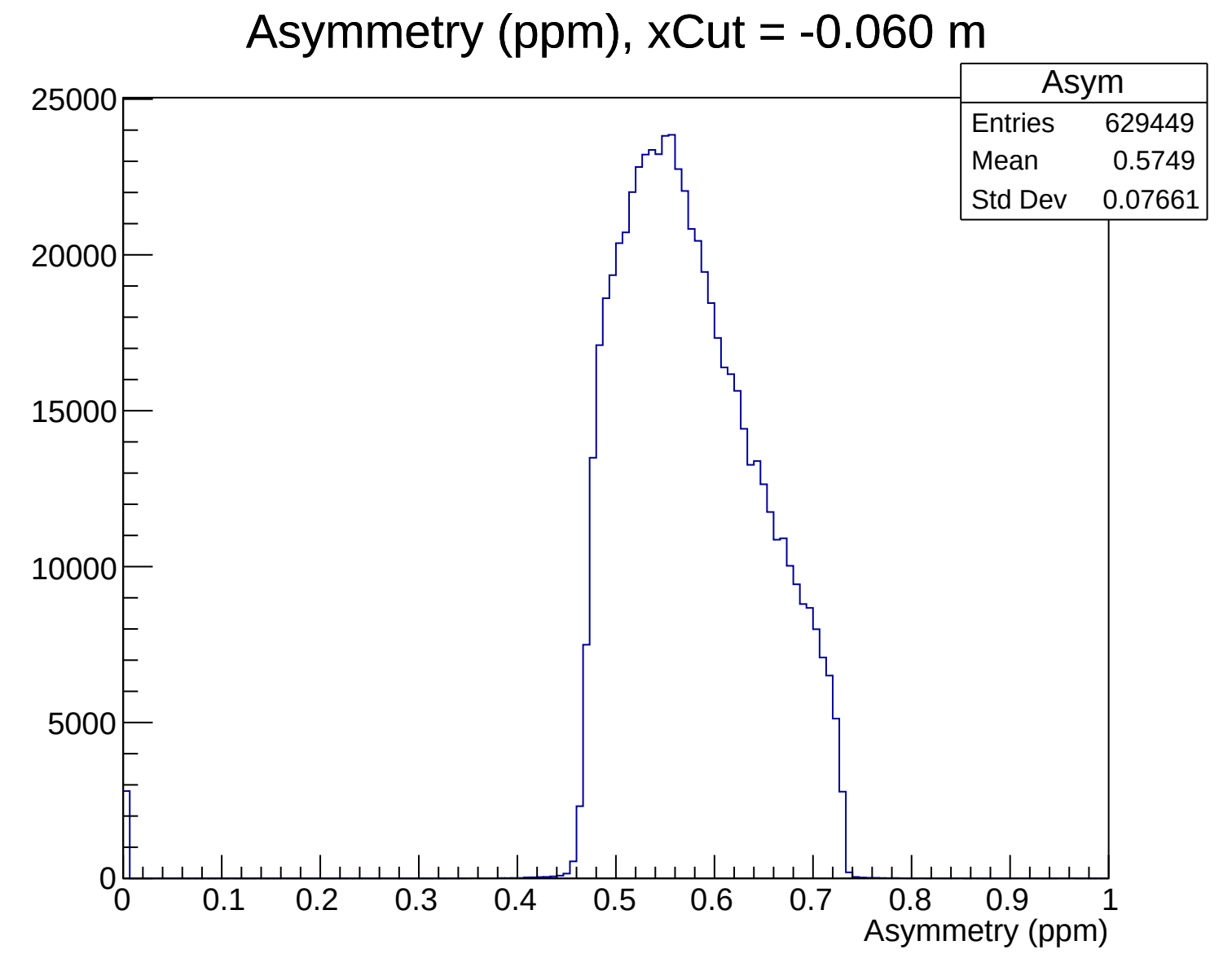

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

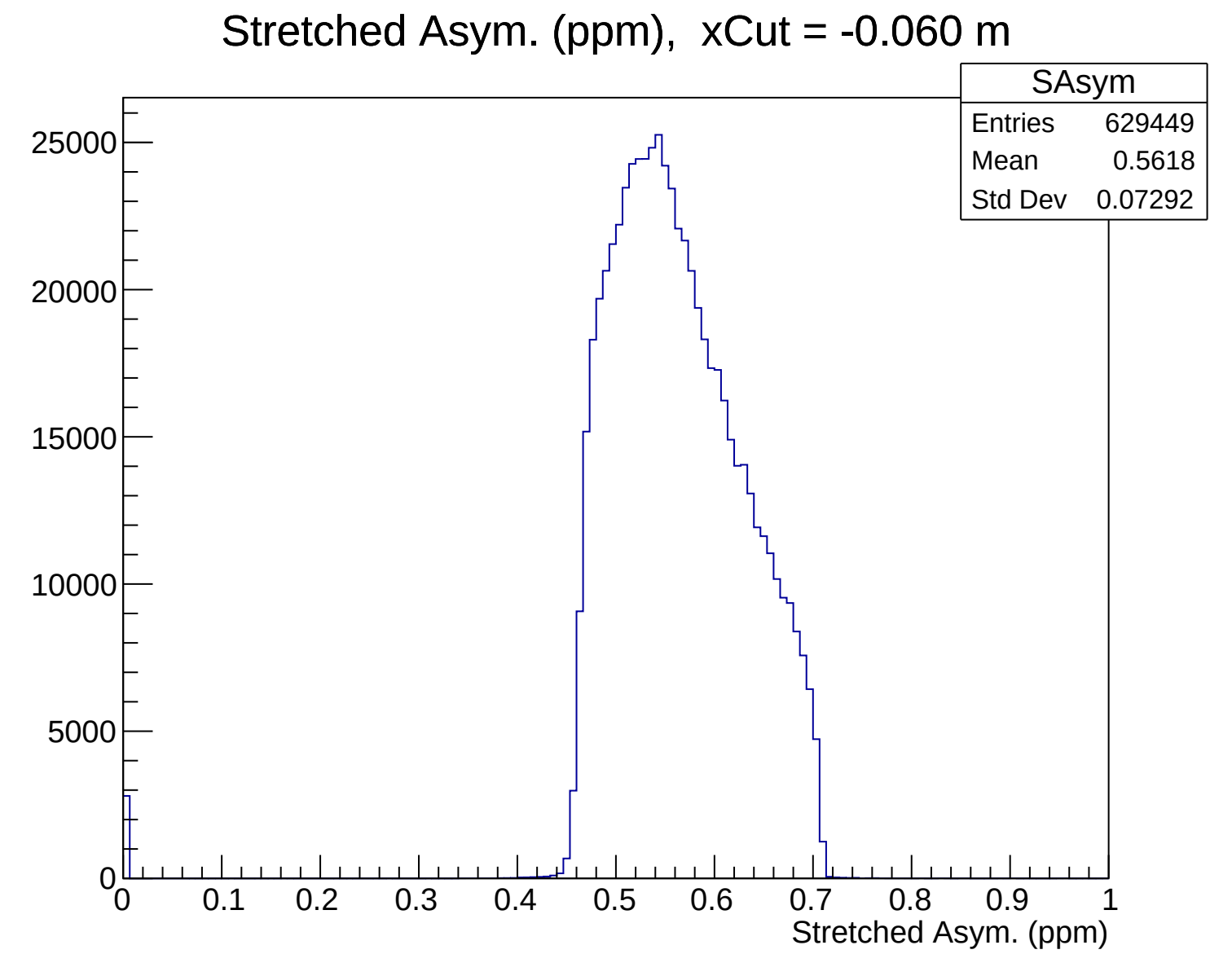

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

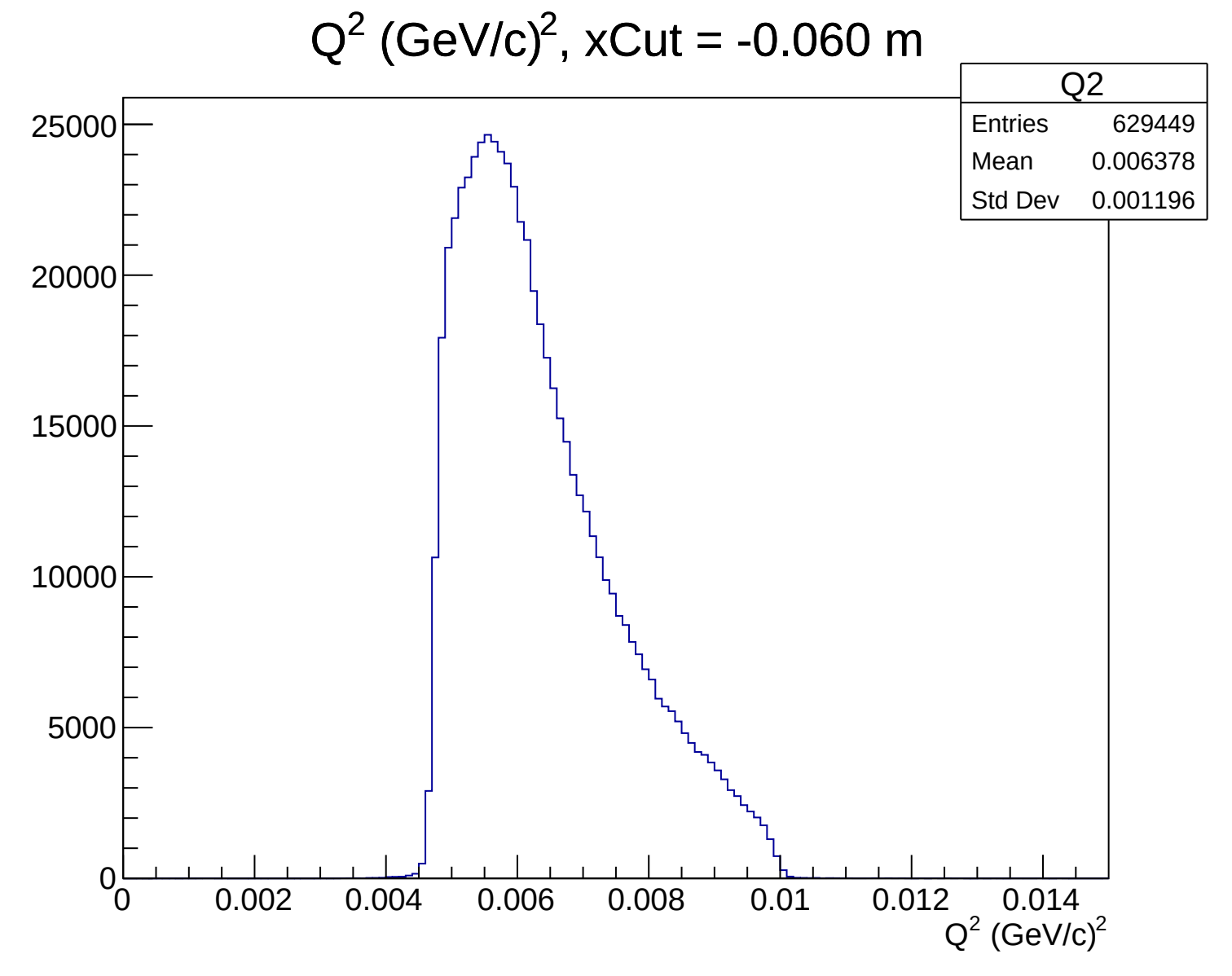

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.060
R.tr.x[0]+1.3*R.tr.th[0] (m)

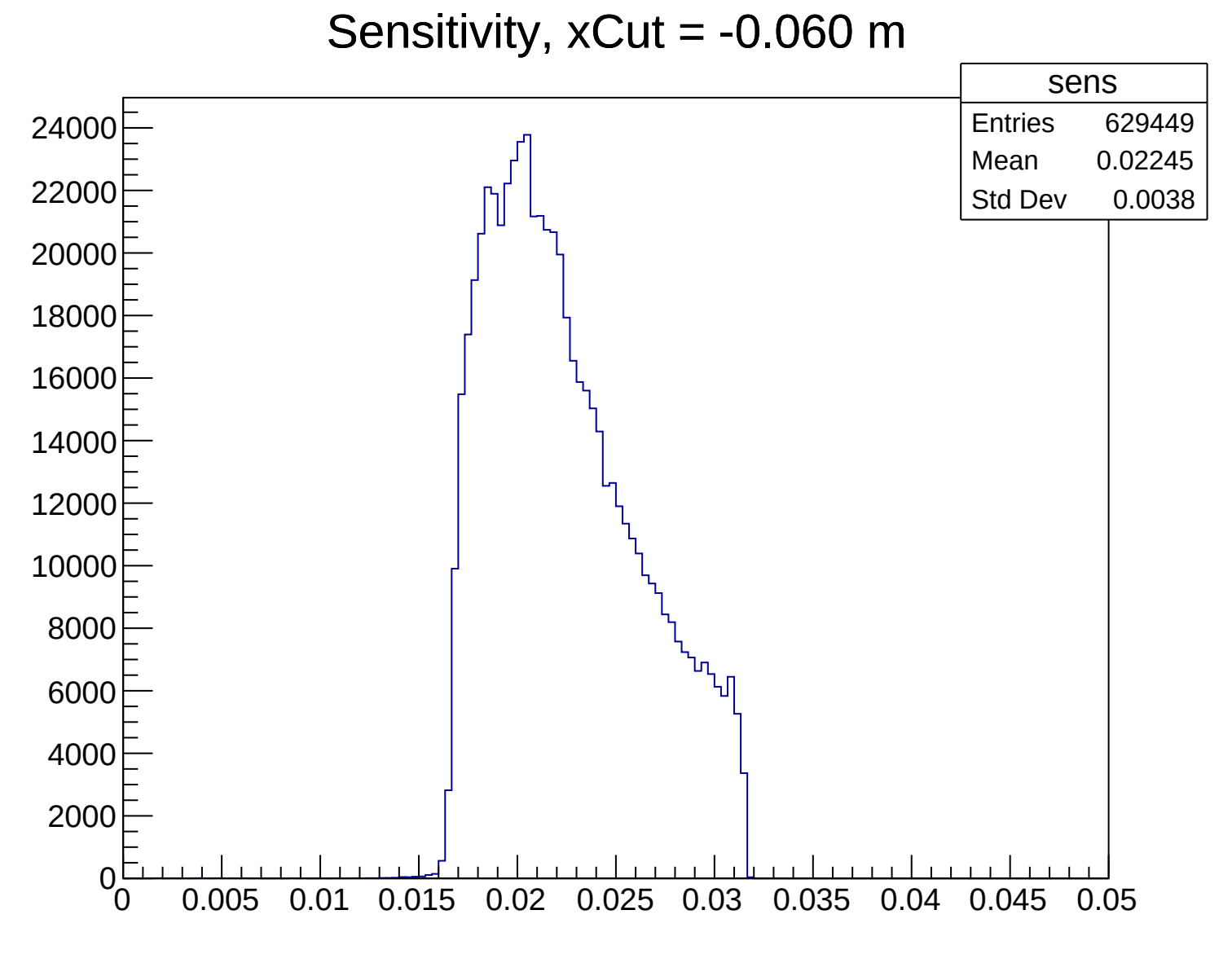

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

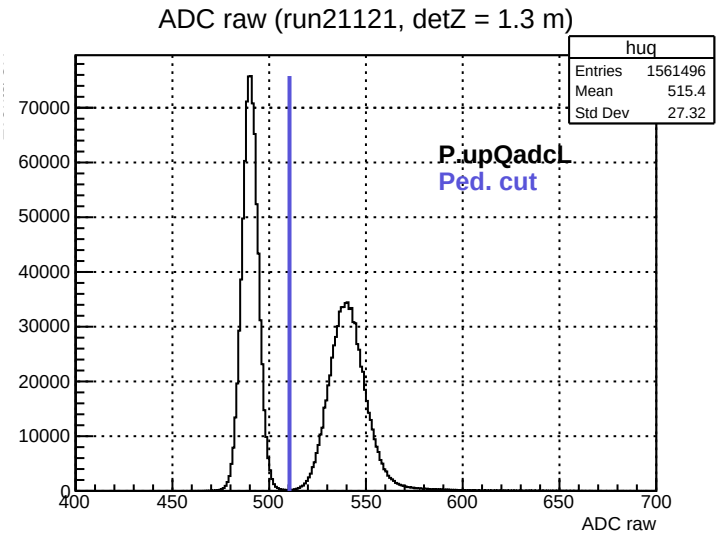

θlab (deg), xCut = -0.060 m
Theta
Entries 629449
Mean 4.805
Std Dev 0.4411
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

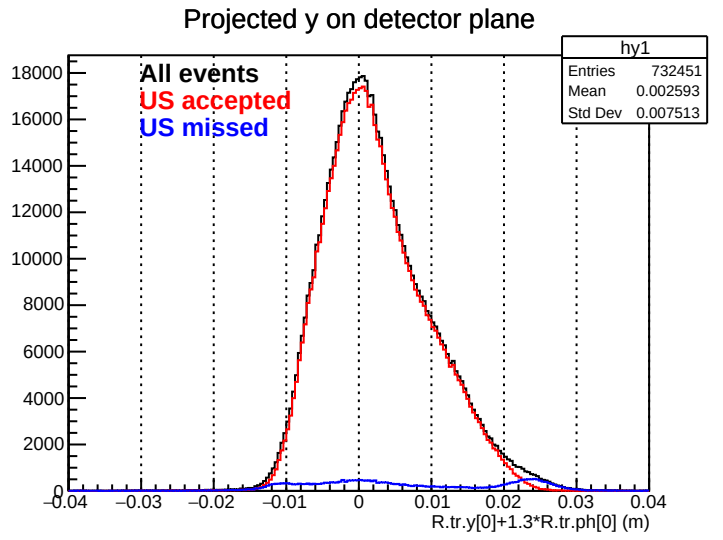

Asymmetry (ppm), xCut = -0.060 m
Asym
Entries 629449
Mean 0.5749
Std Dev 0.07661
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

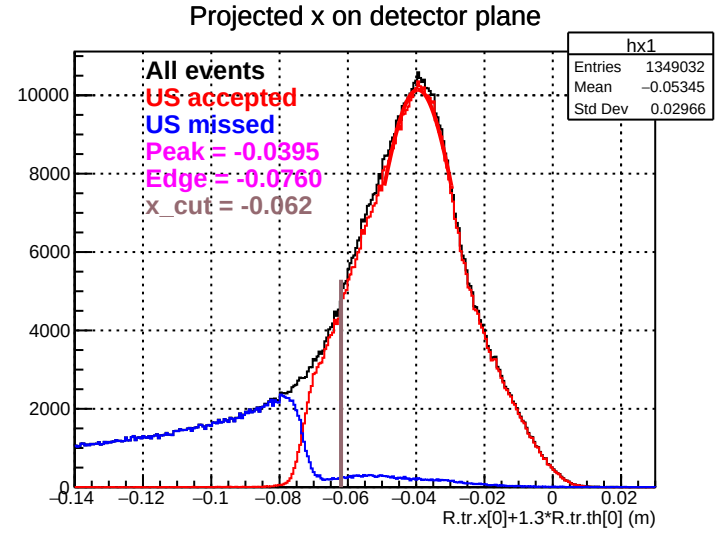

Stretched Asym. (ppm), xCut = -0.060 m
SAsym
Entries 629449
Mean 0.5618
Std Dev 0.07292
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

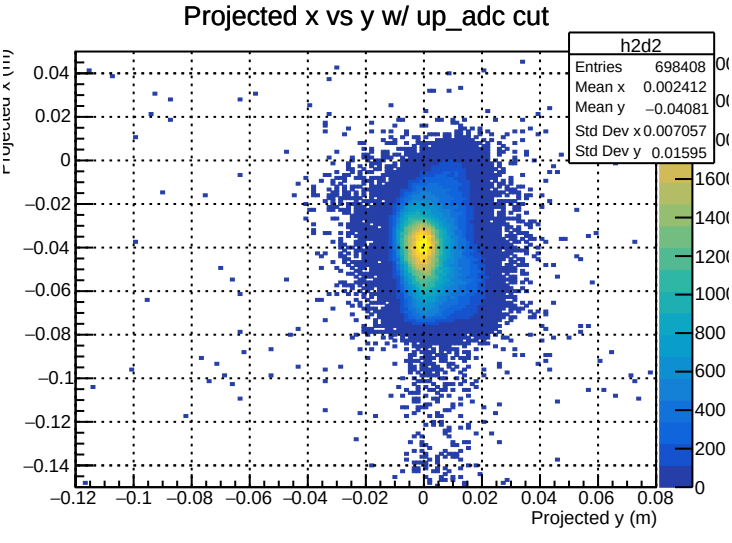

Q^2 (GeV/c)^2, xCut = -0.060 m
Q2
Entries 629449
Mean 0.006378
Std Dev 0.001196
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

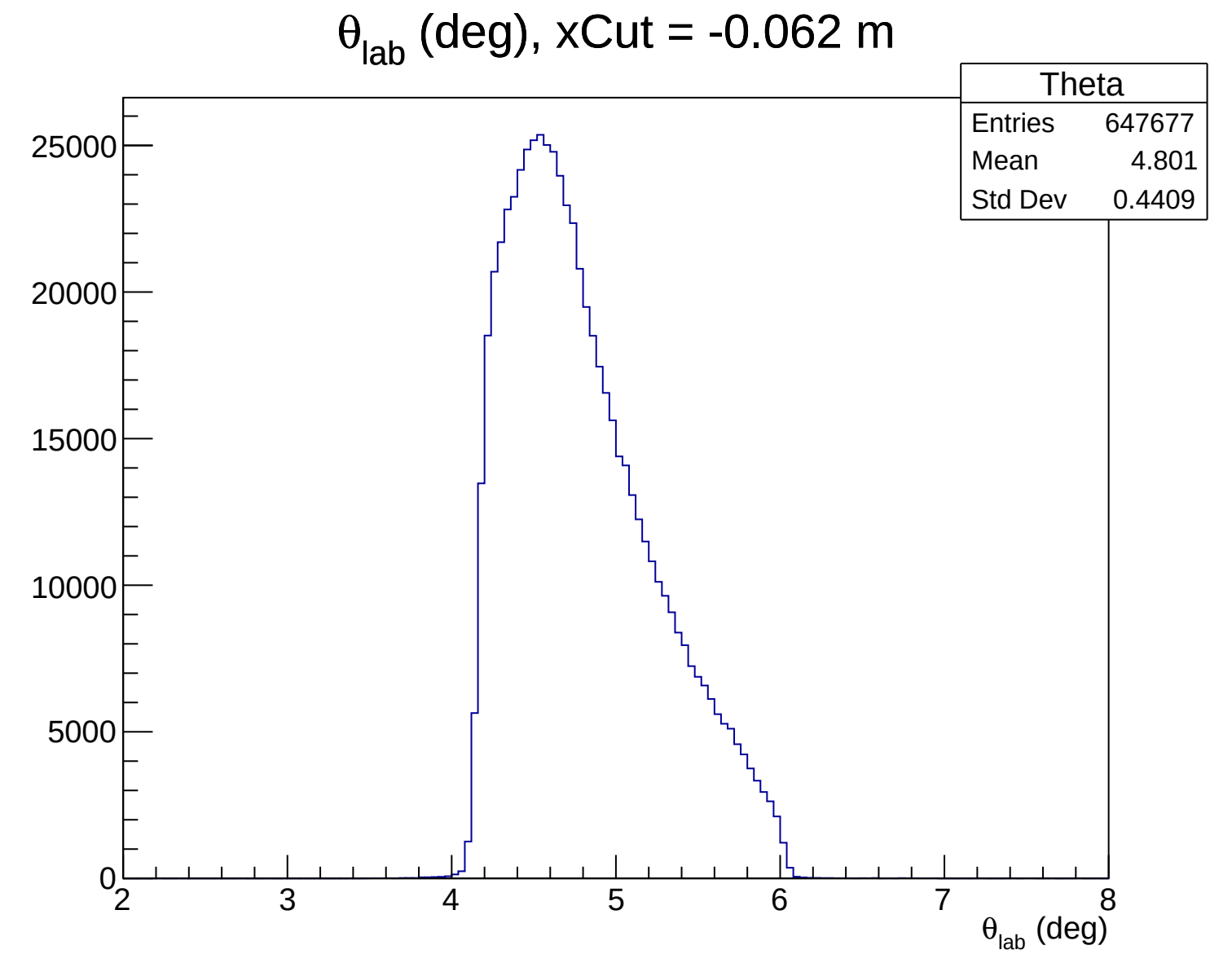

Sensitivity, xCut = -0.060 m
sens
Entries 629449
Mean 0.02245
Std Dev 0.0038
24000
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

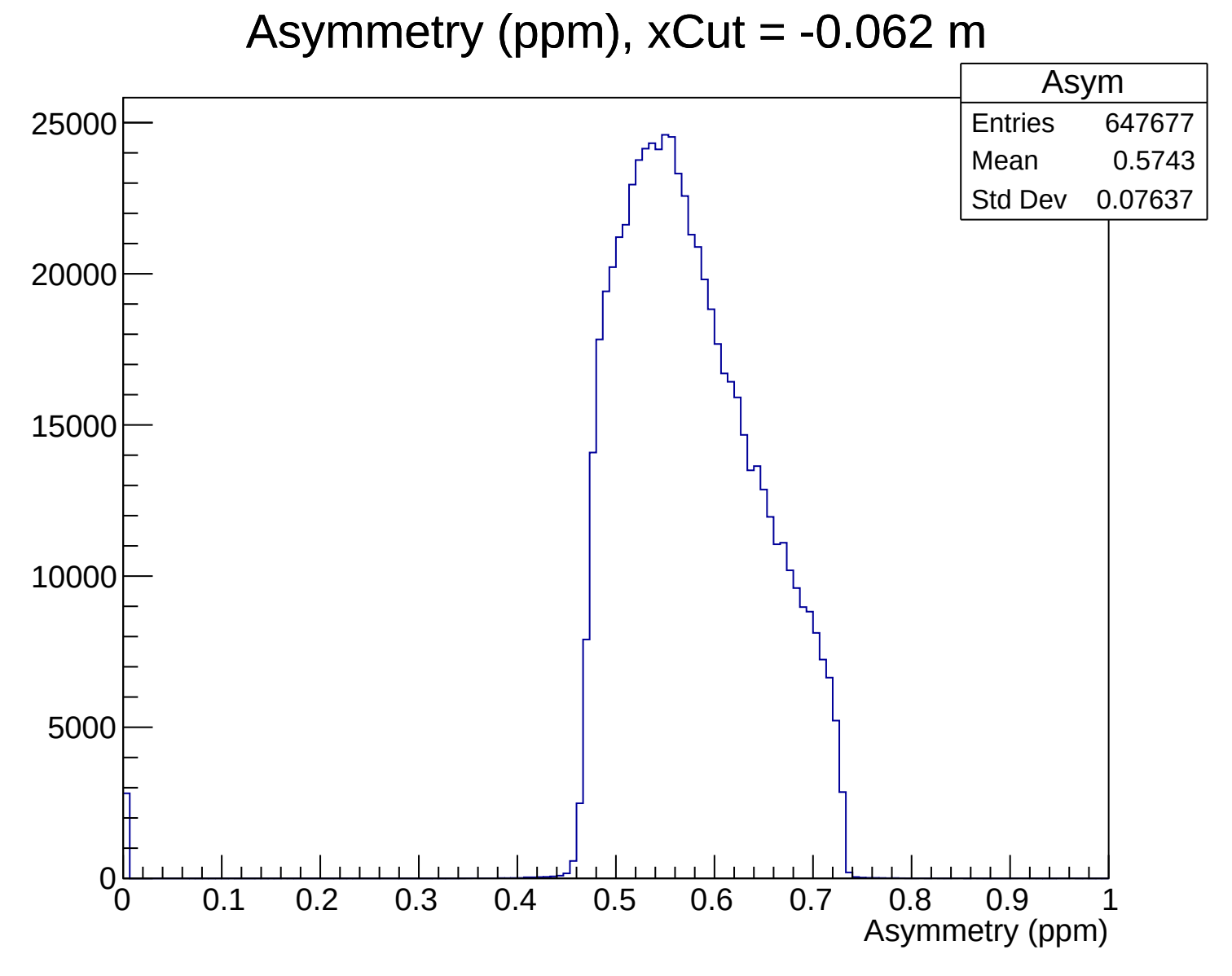

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

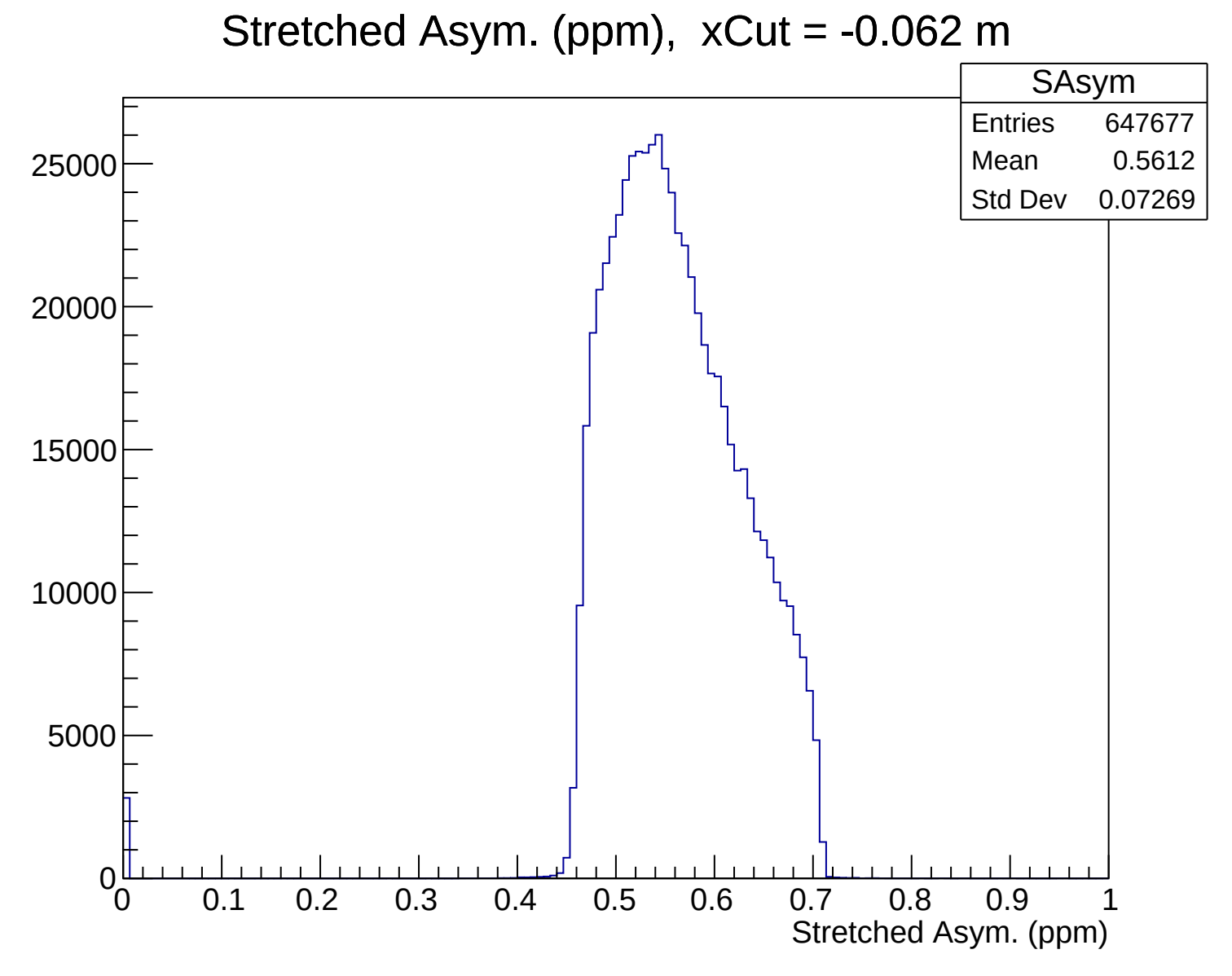

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

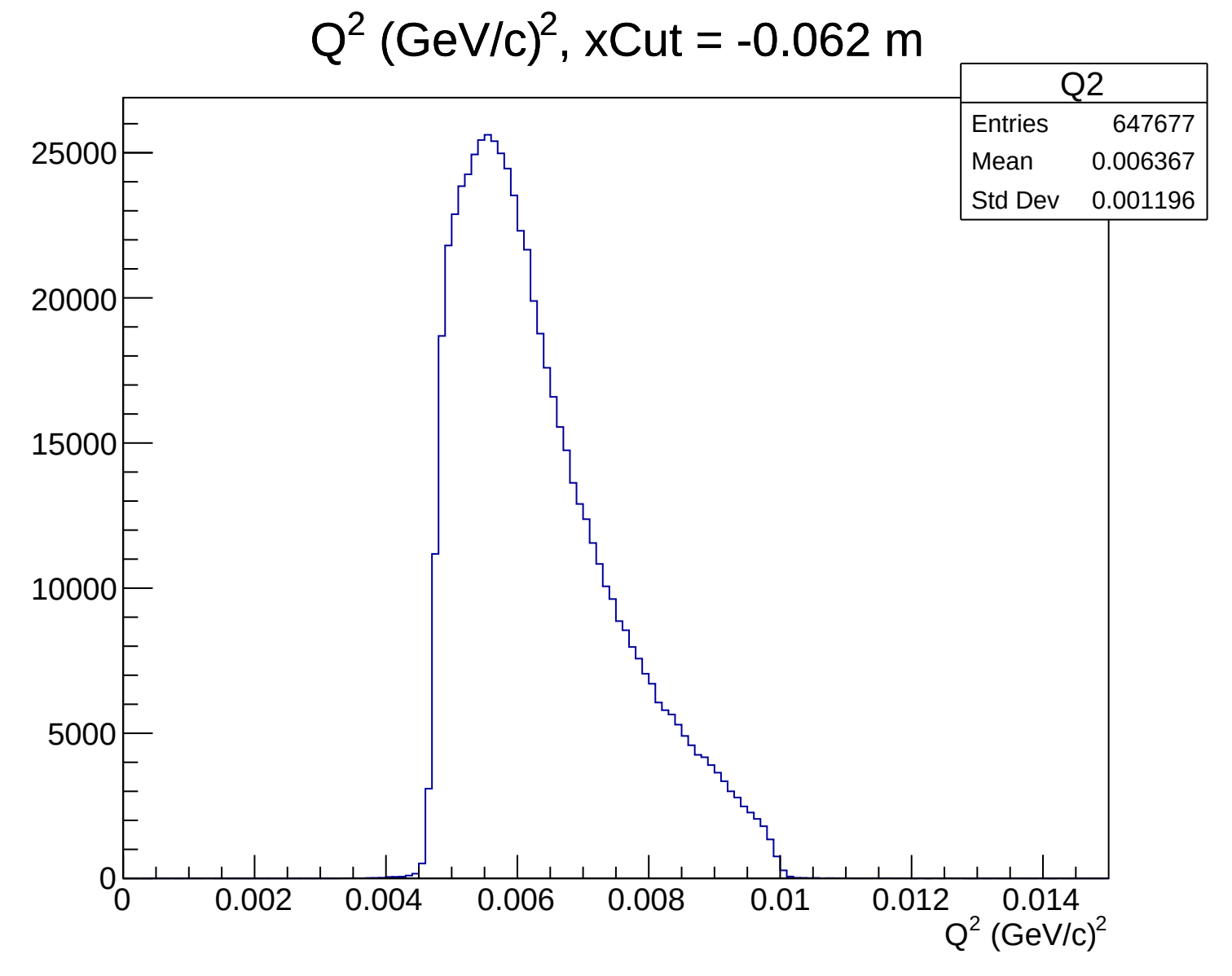

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.062
R.tr.x[0]+1.3*R.tr.th[0] (m)

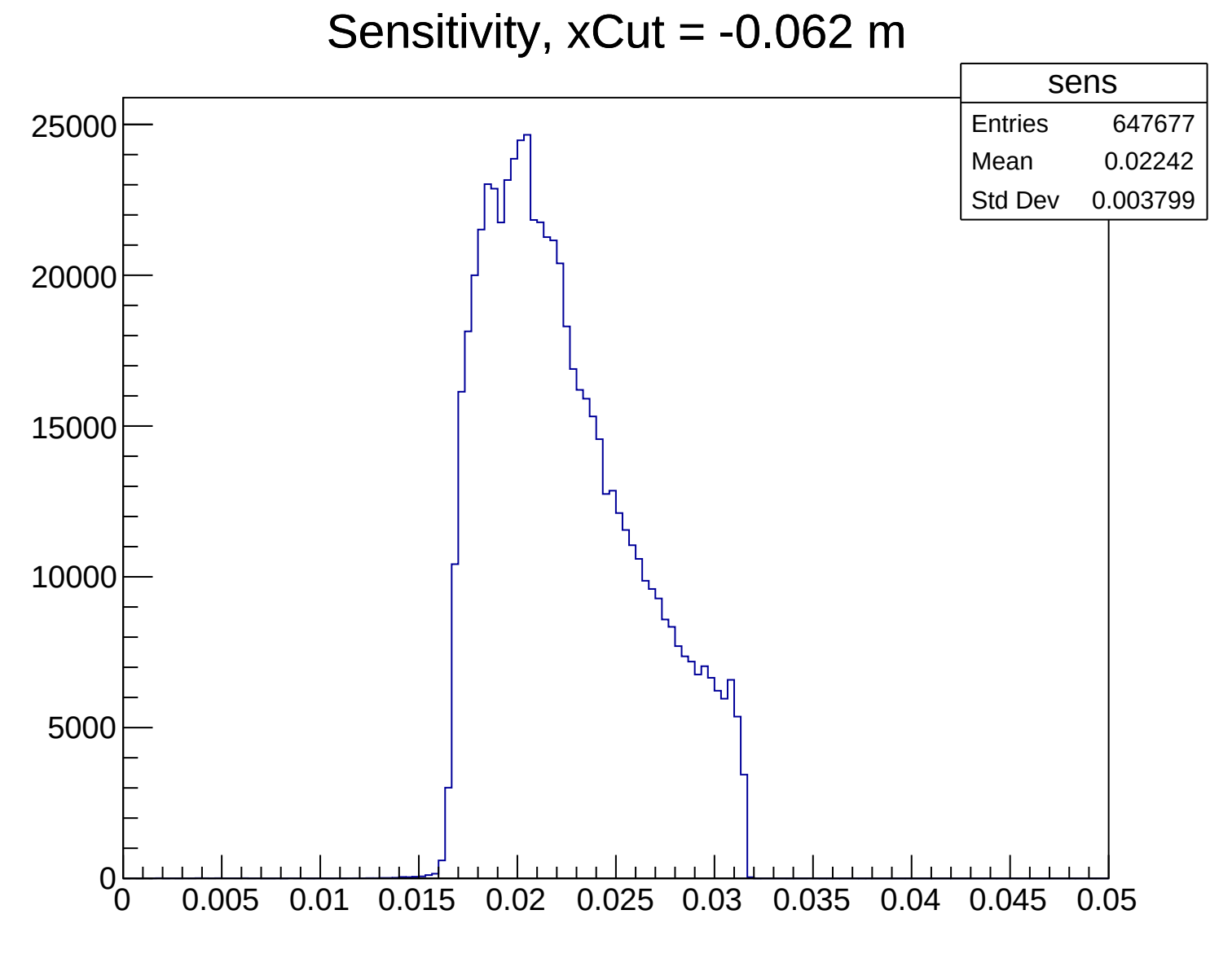

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

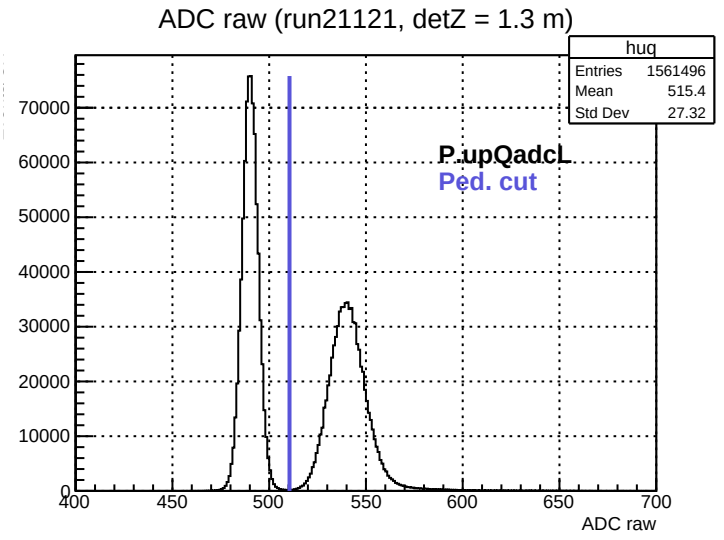

θlab (deg), xCut = -0.062 m
Theta
Entries 647677
Mean 4.801
Std Dev 0.4409
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

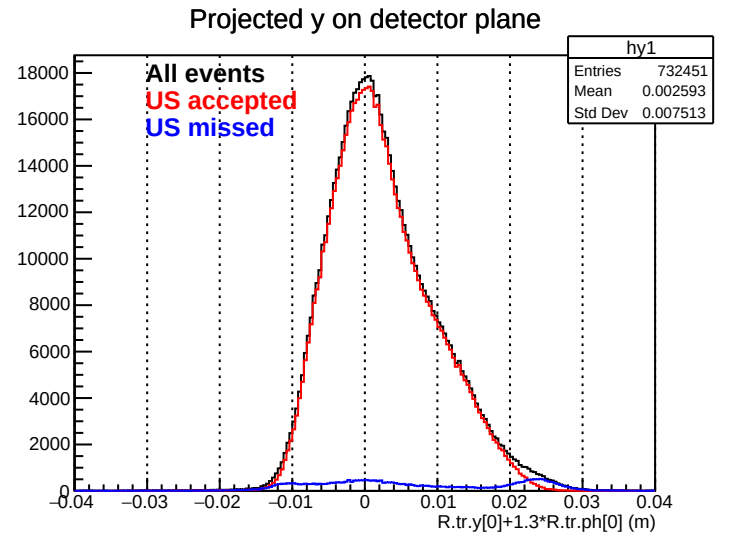

Asymmetry (ppm), xCut = -0.062 m
Asym
Entries 647677
Mean 0.5743
Std Dev 0.07637
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

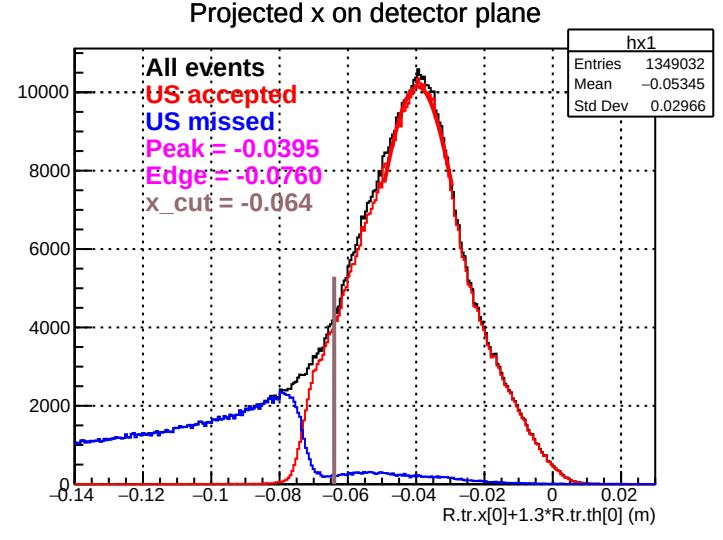

Stretched Asym. (ppm), xCut = -0.062 m
SAsym
Entries 647677
Mean 0.5612
Std Dev 0.07269
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

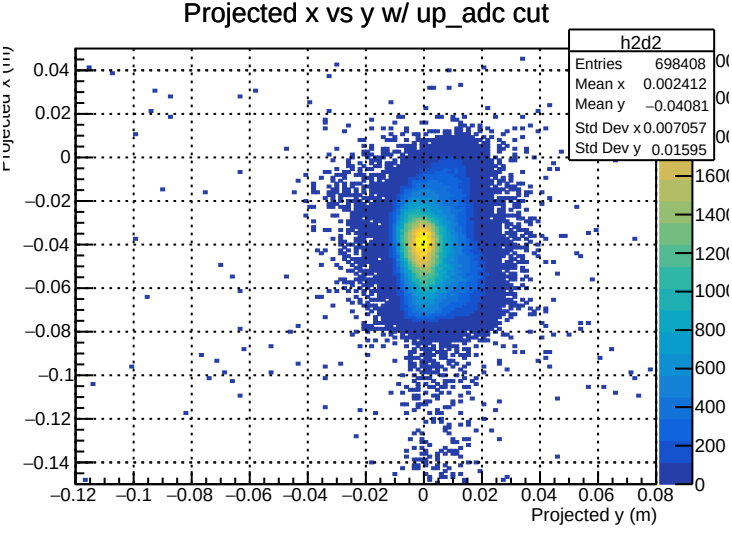

Q^2 (GeV/c)^2, xCut = -0.062 m
Q2
Entries 647677
Mean 0.006367
Std Dev 0.001196
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

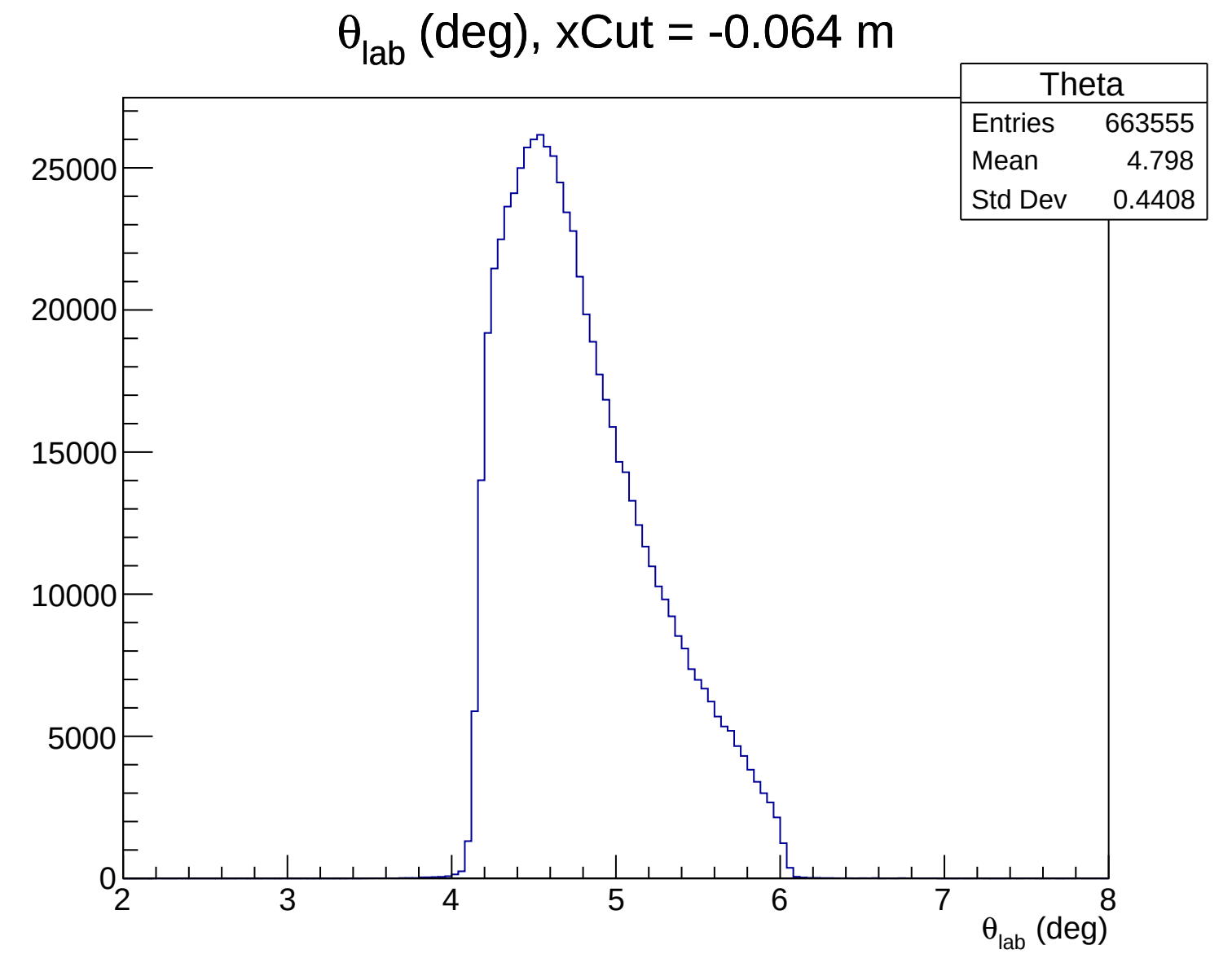

Sensitivity, xCut = -0.062 m
sens
Entries 647677
Mean 0.02242
Std Dev 0.003799
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

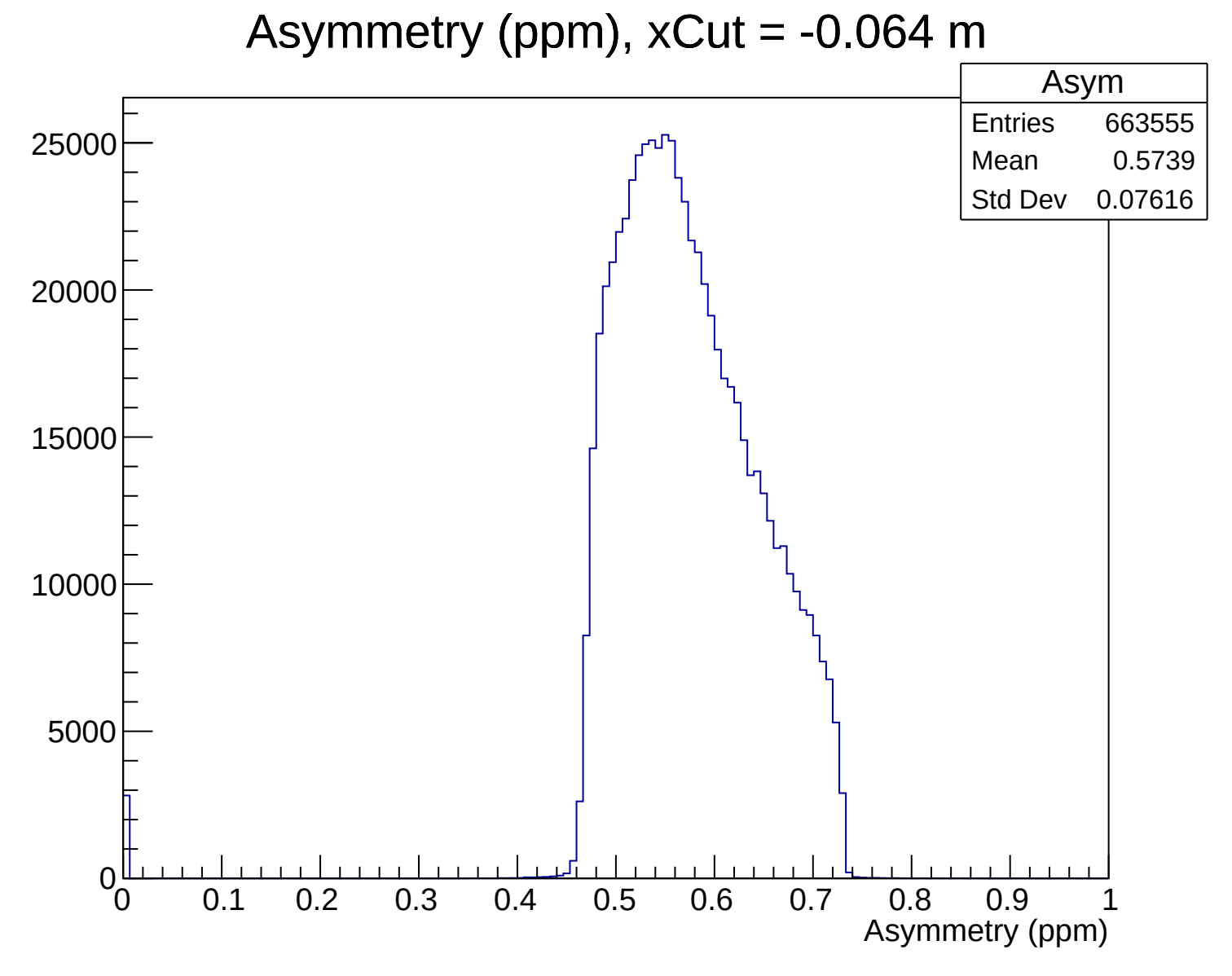

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

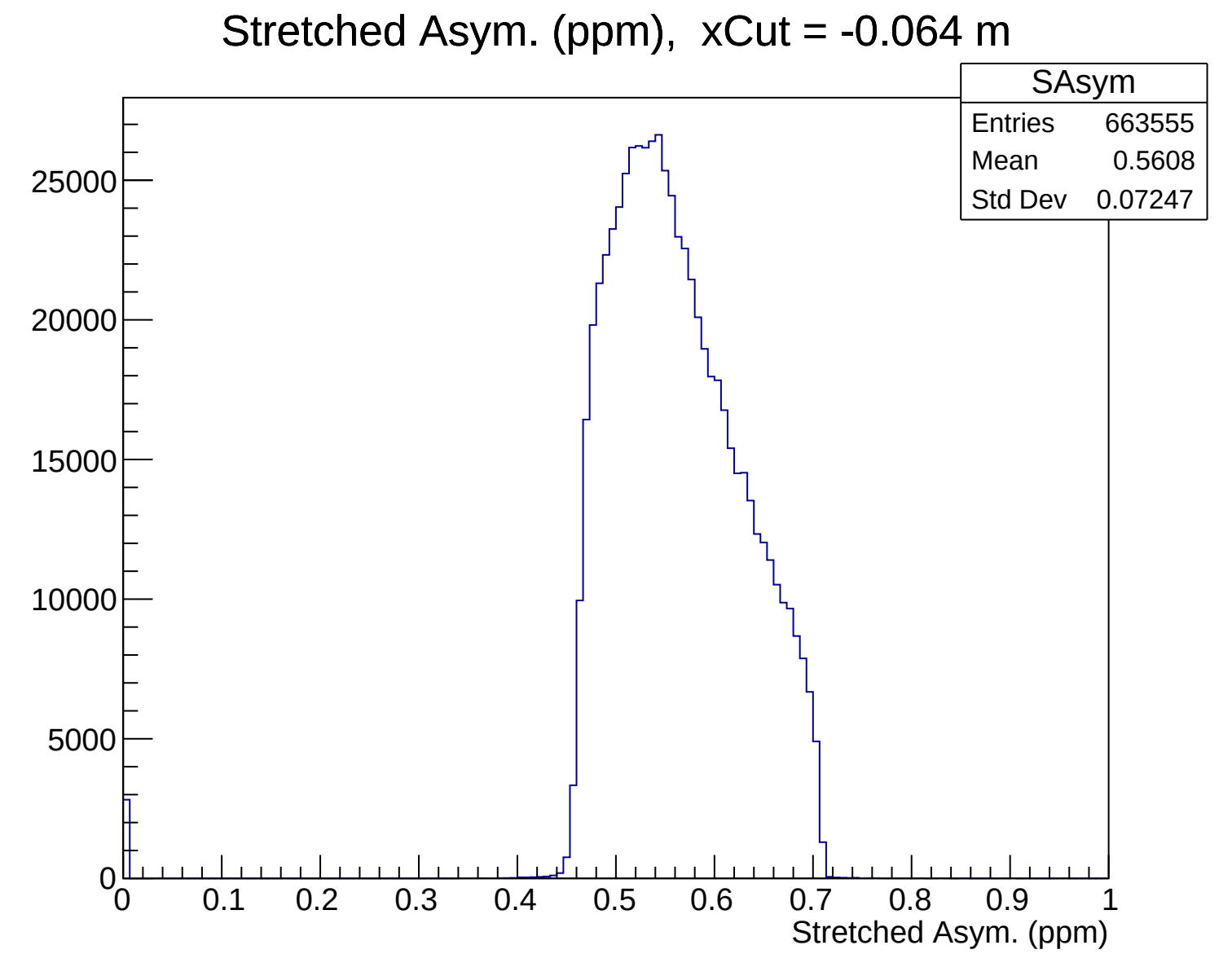

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

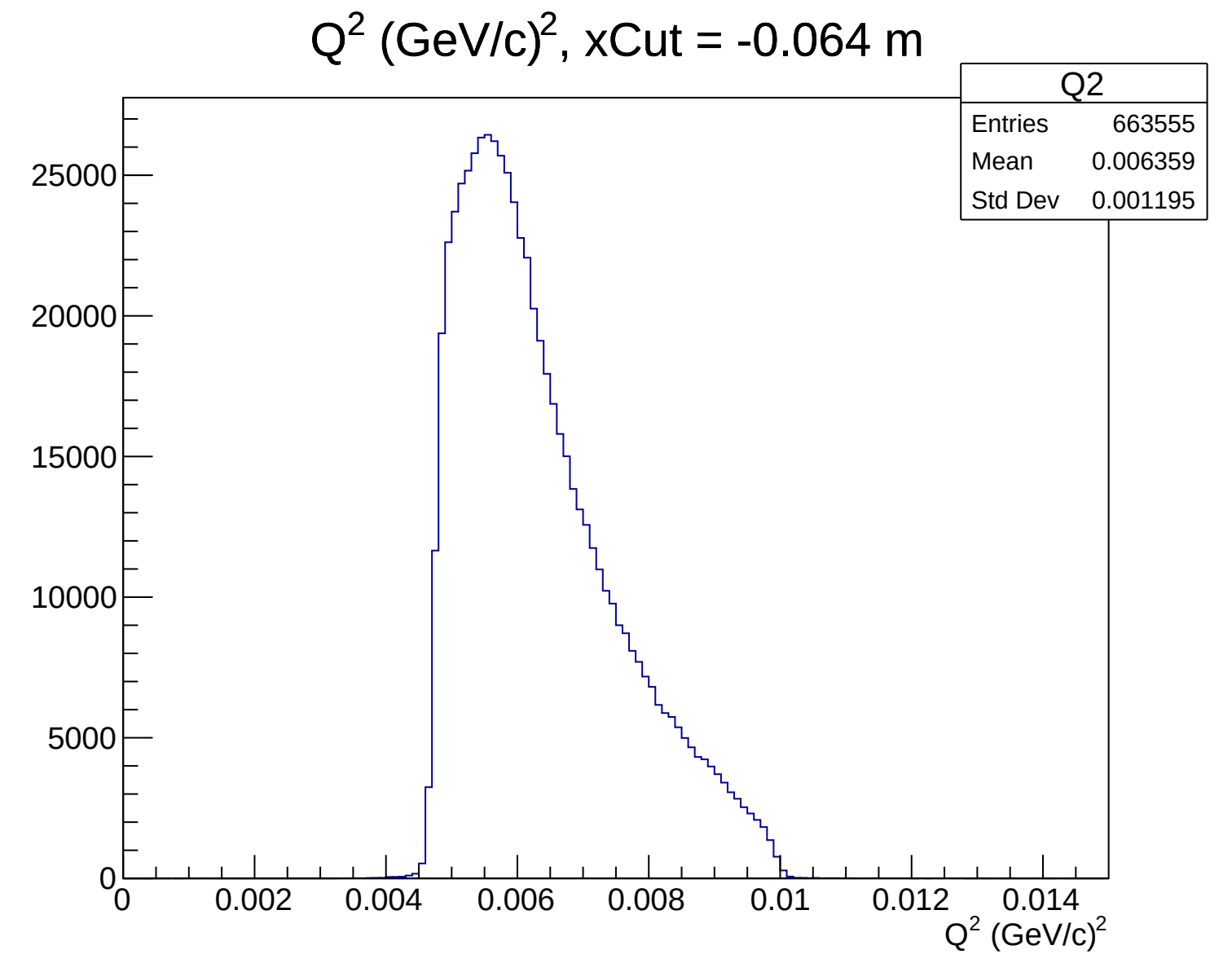

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.064
R.tr.x[0]+1.3*R.tr.th[0] (m)

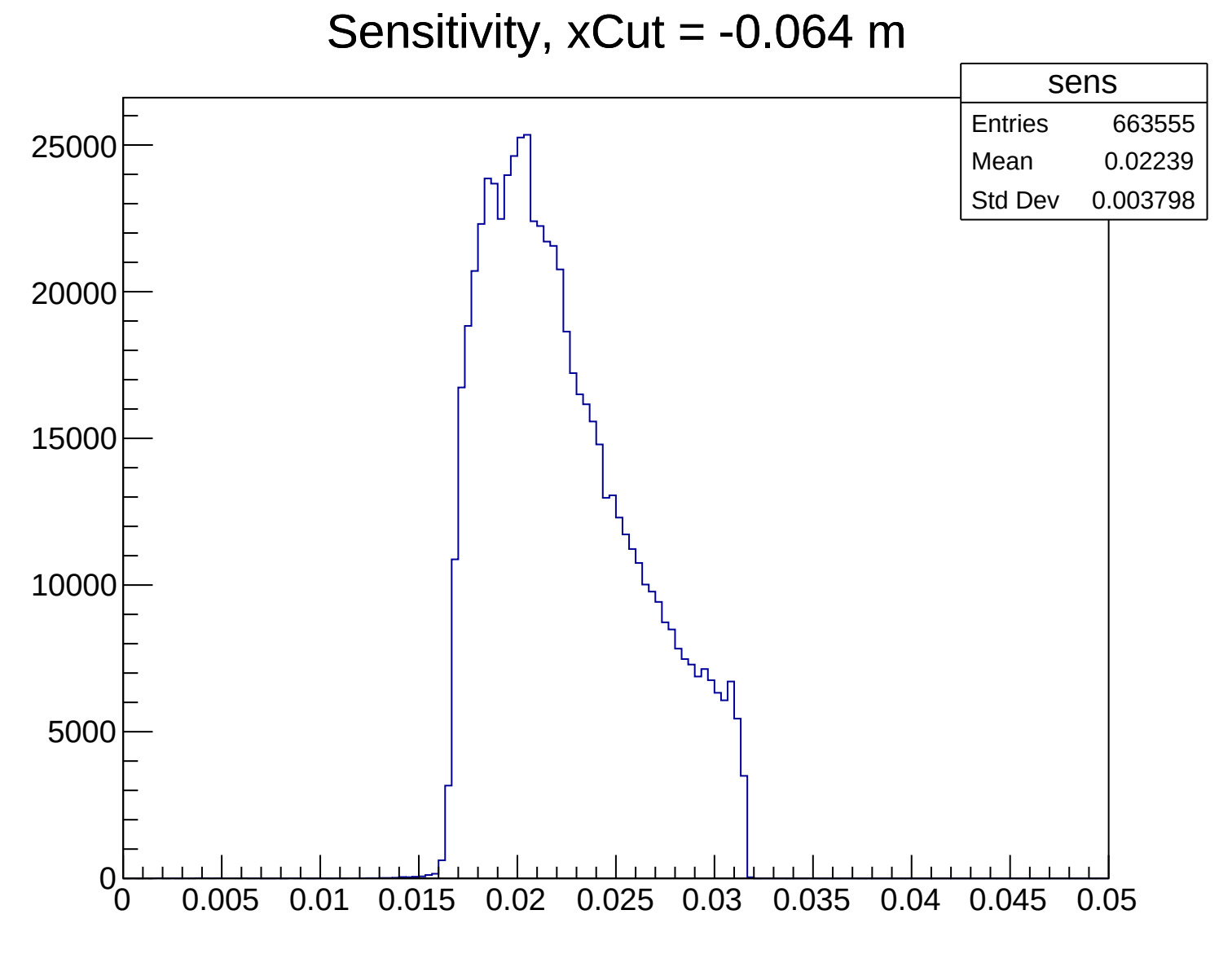

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

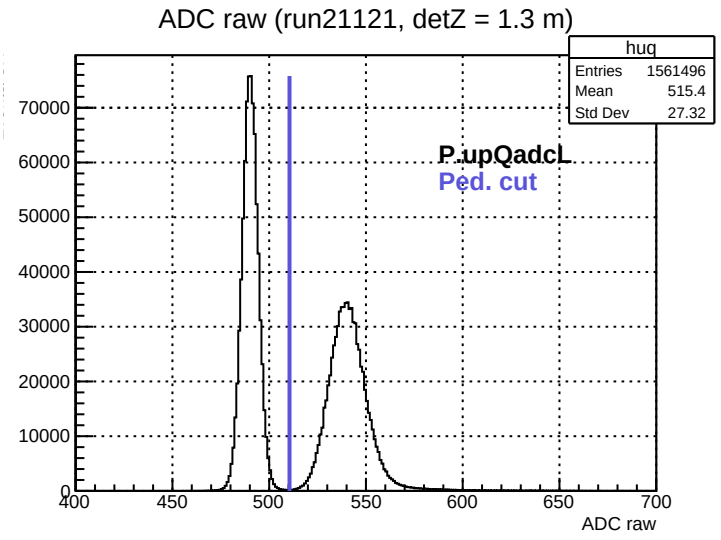

θlab (deg), xCut = -0.064 m
Theta
Entries 663555
Mean 4.798
Std Dev 0.4408
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

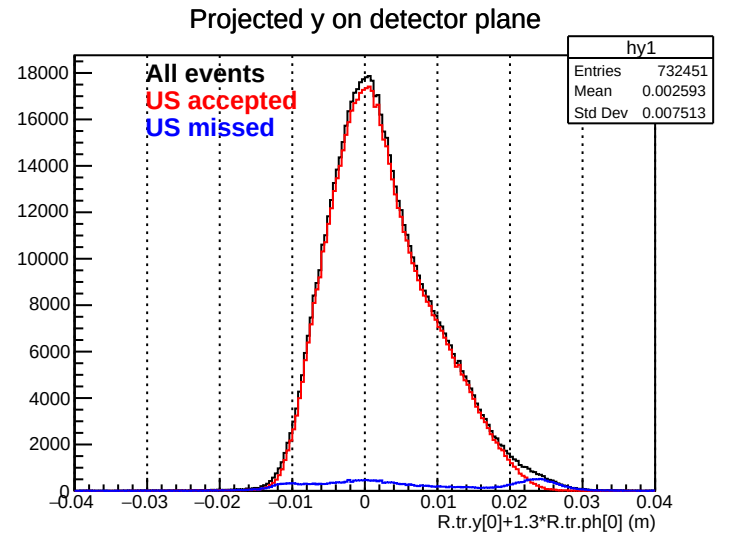

Asymmetry (ppm), xCut = -0.064 m
Asym
Entries 663555
Mean 0.5739
Std Dev 0.07616
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

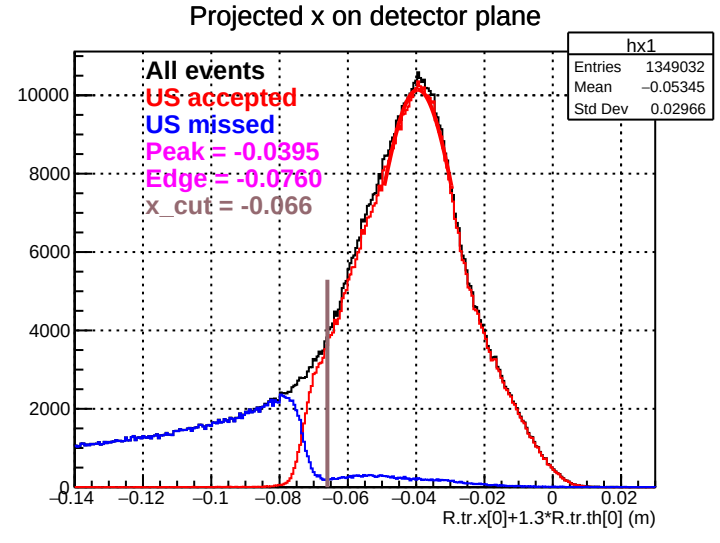

Stretched Asym. (ppm), xCut = -0.064 m
SAsym
Entries 663555
Mean 0.5608
Std Dev 0.07247
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

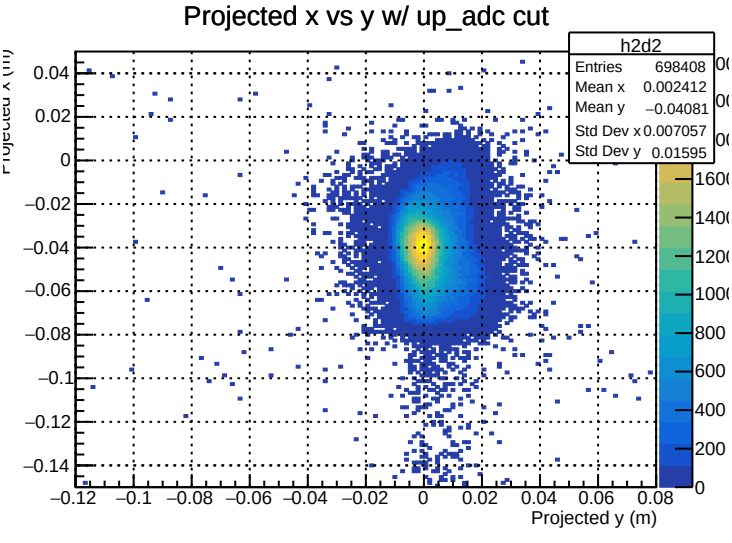

Q^2 (GeV/c)^2, xCut = -0.064 m
Q2
Entries 663555
Mean 0.006359
Std Dev 0.001195
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

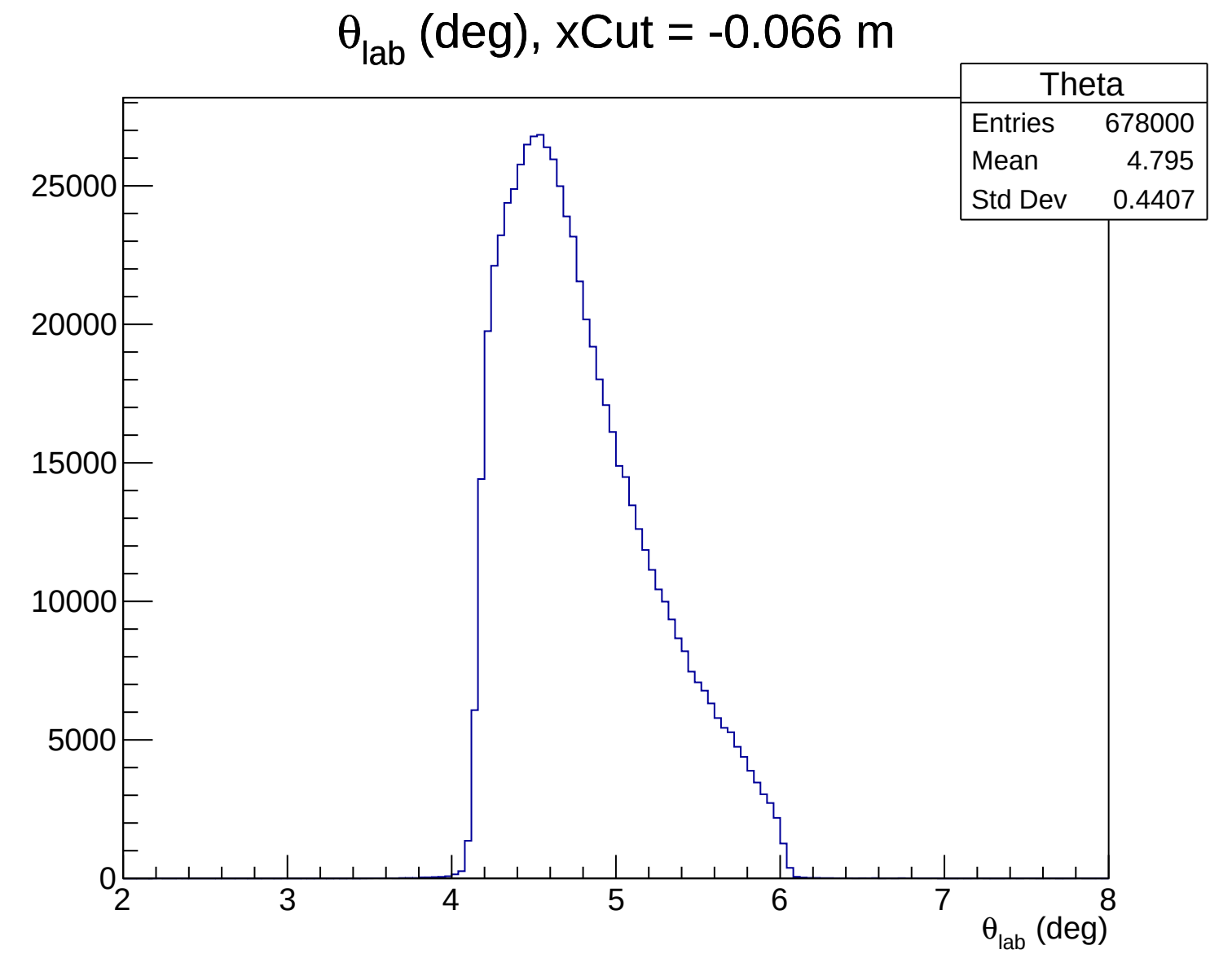

Sensitivity, xCut = -0.064 m
sens
Entries 663555
Mean 0.02239
Std Dev 0.003798
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

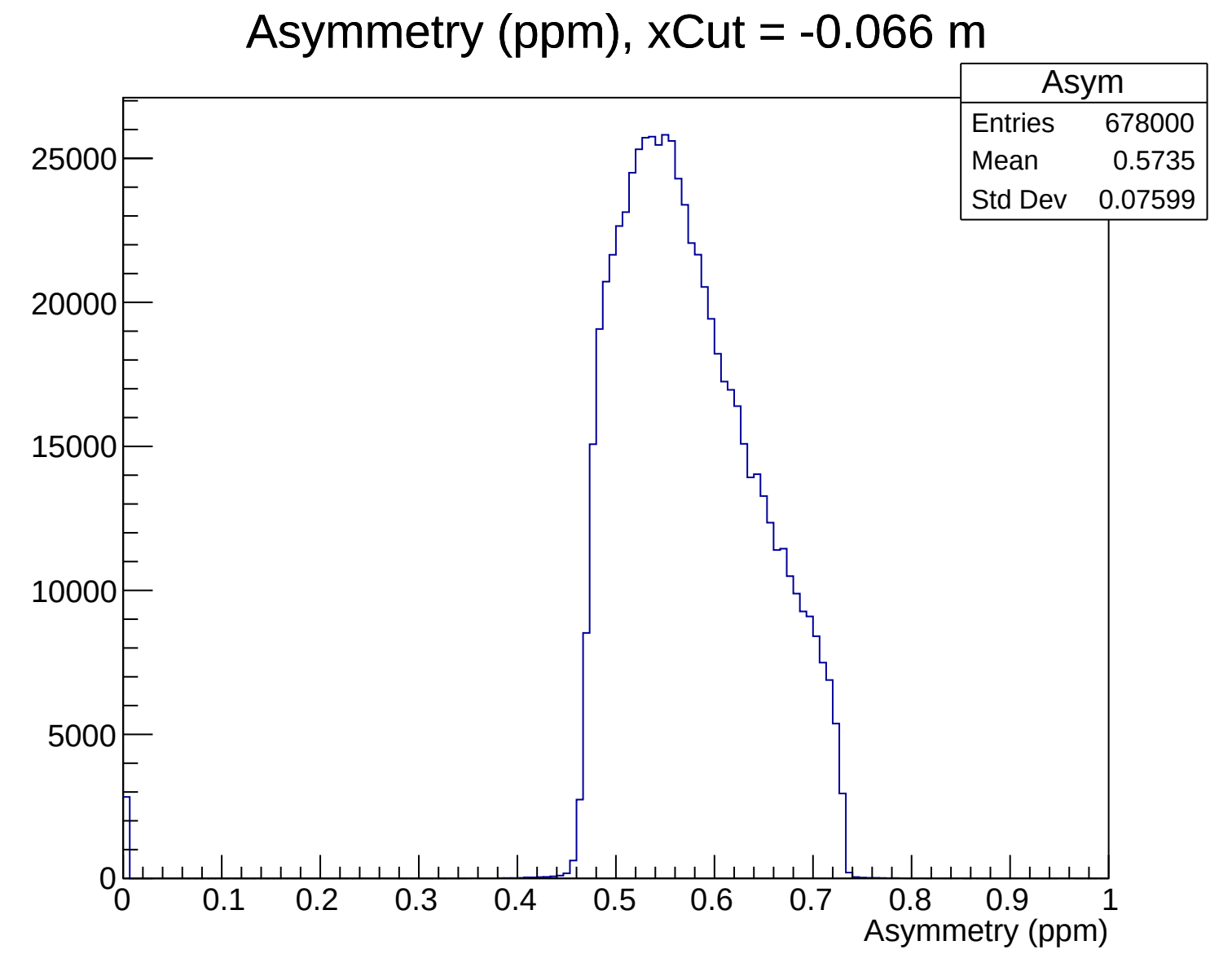

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

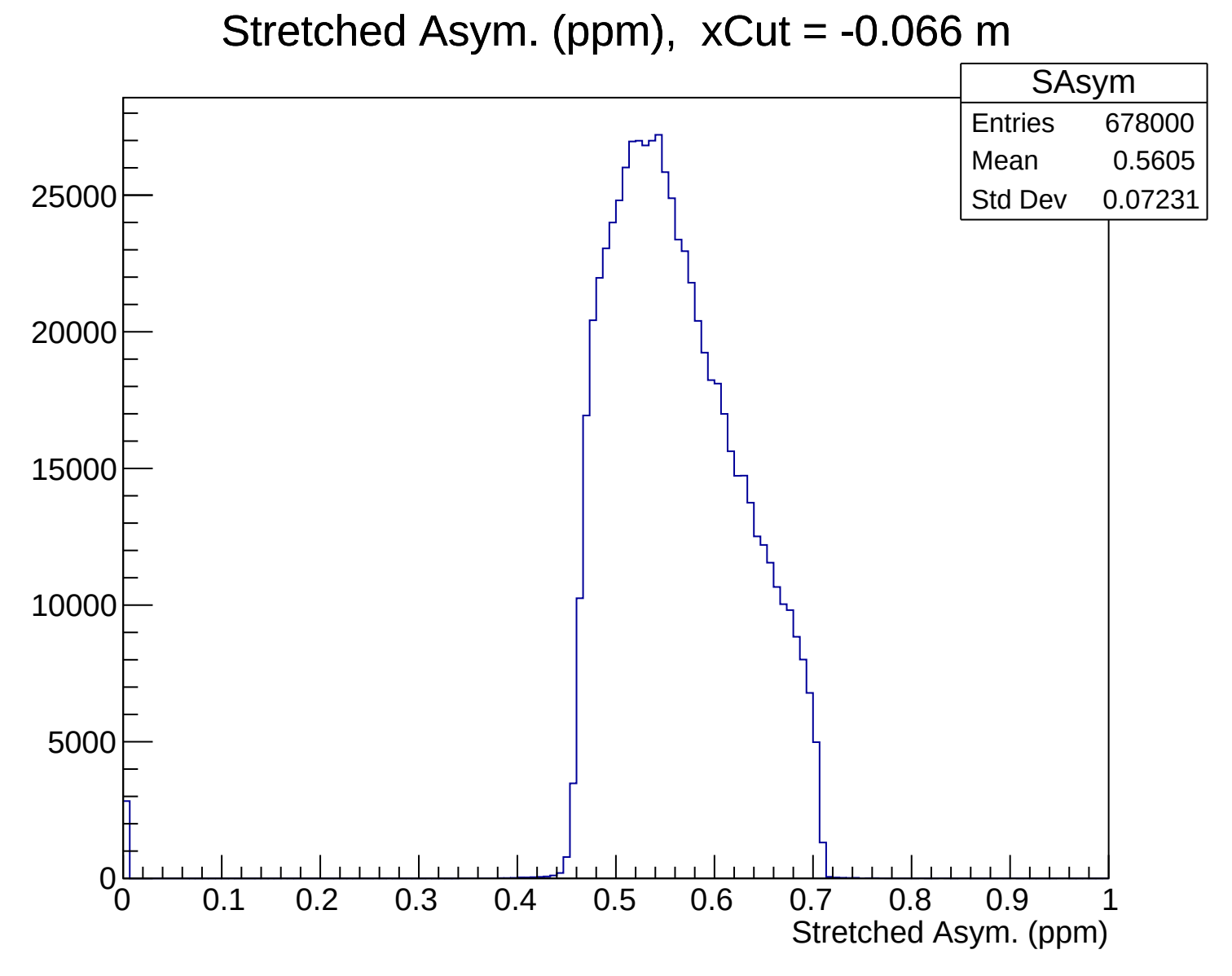

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

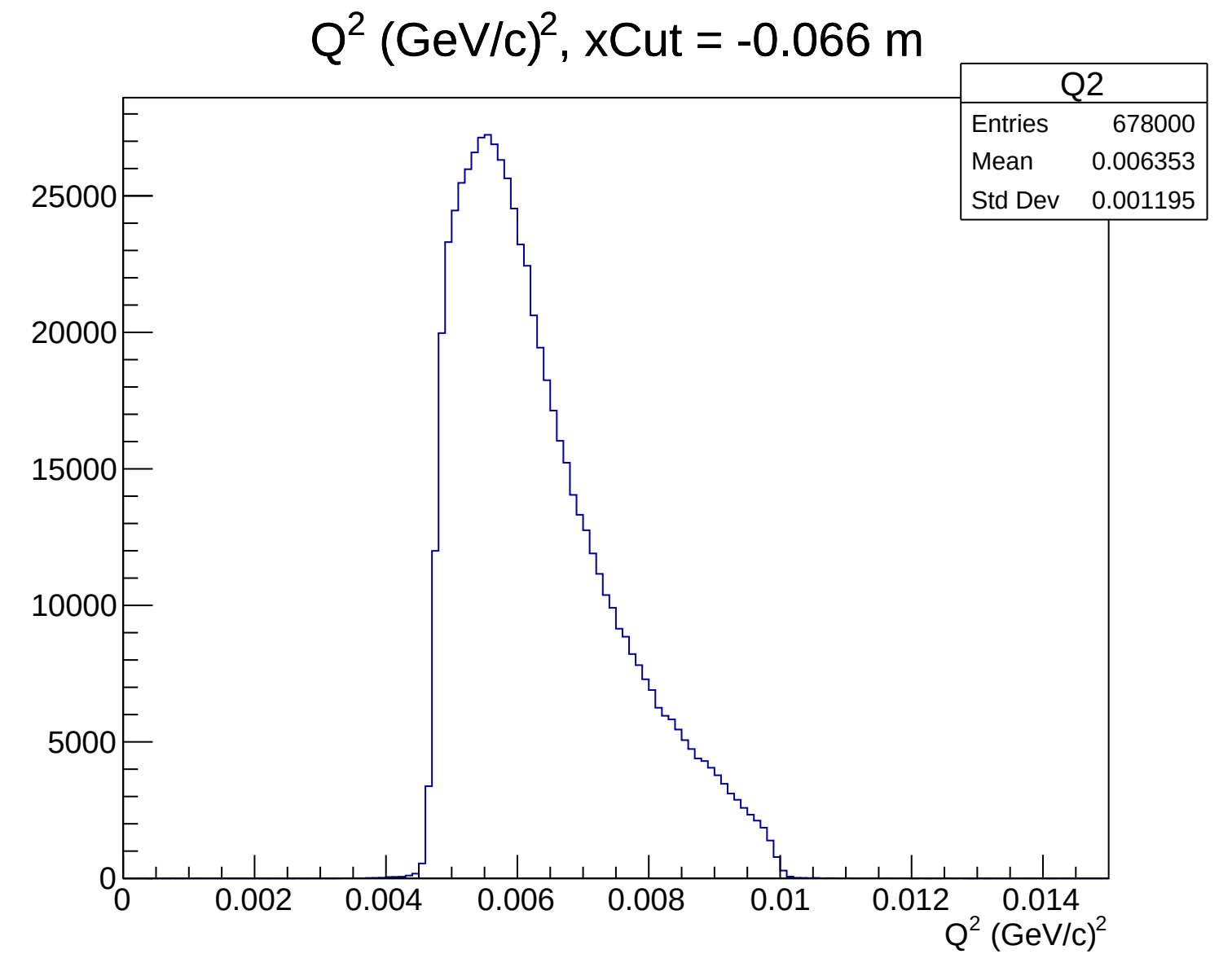

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.066
R.tr.x[0]+1.3*R.tr.th[0] (m)

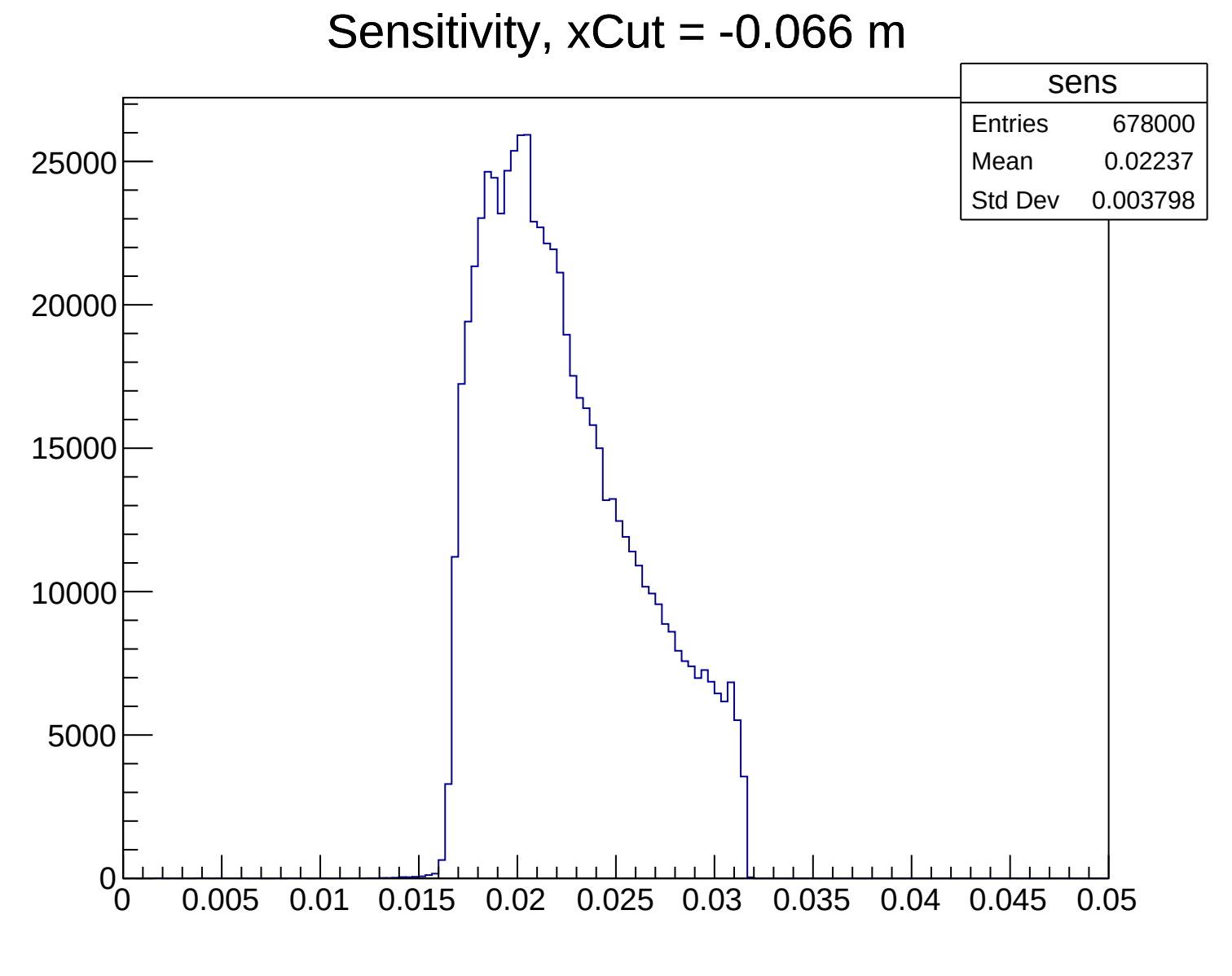

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

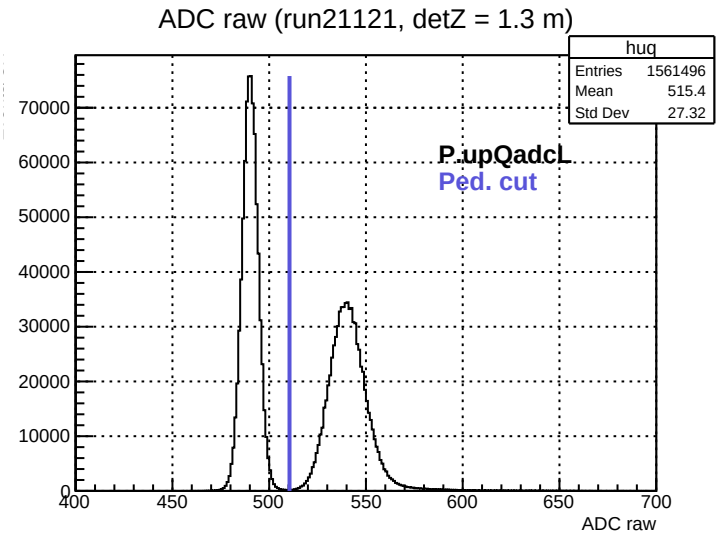

θlab (deg), xCut = -0.066 m
Theta
Entries 678000
Mean 4.795
Std Dev 0.4407
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

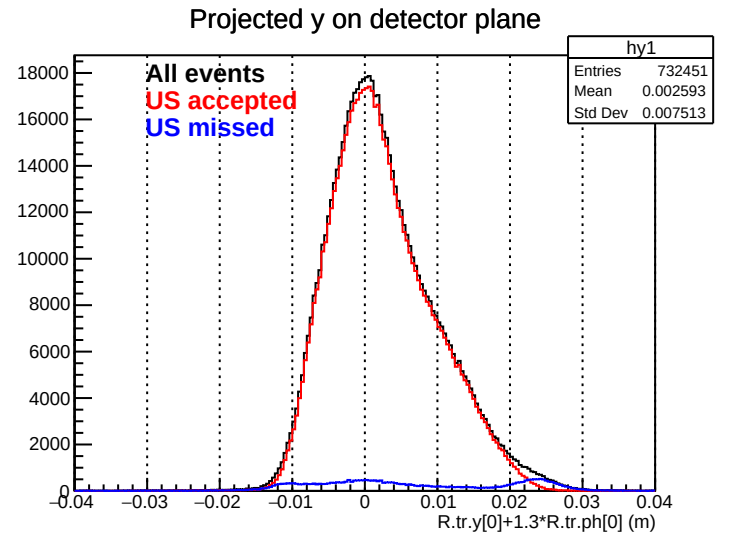

Asymmetry (ppm), xCut = -0.066 m
Asym
Entries 678000
Mean 0.5735
Std Dev 0.07599
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

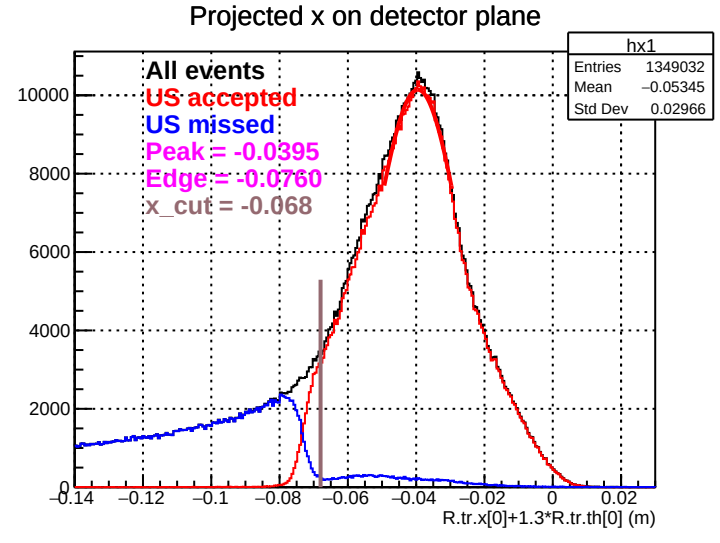

Stretched Asym. (ppm), xCut = -0.066 m
SAsym
Entries 678000
Mean 0.5605
Std Dev 0.07231
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

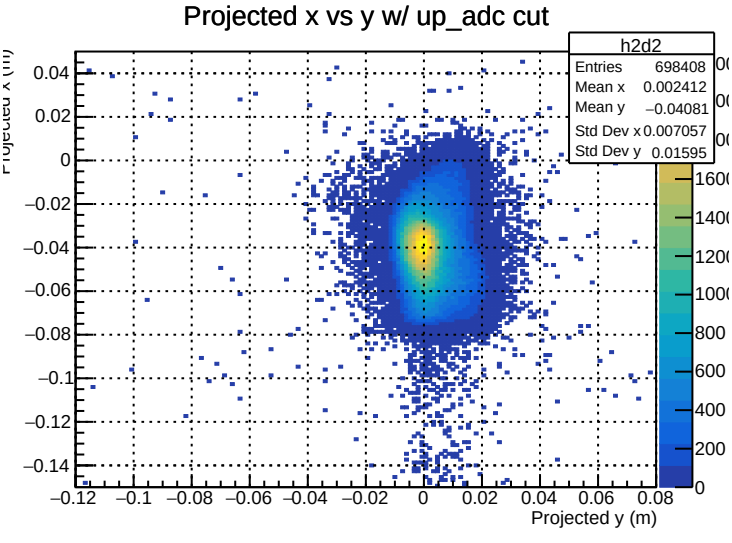

Q^2 (GeV/c)^2, xCut = -0.066 m
Q2
Entries 678000
Mean 0.006353
Std Dev 0.001195
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

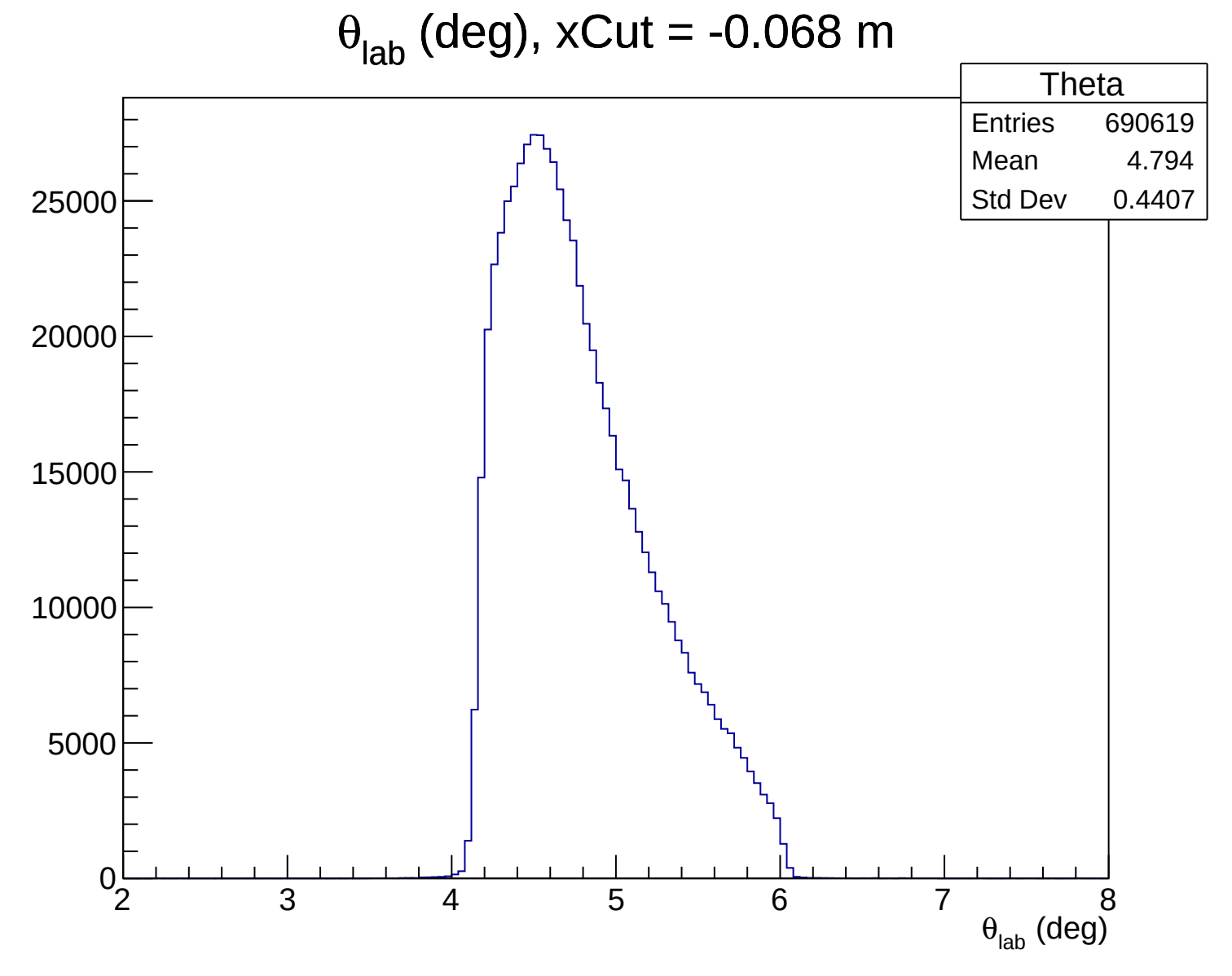

Sensitivity, xCut = -0.066 m
sens
Entries 678000
Mean 0.02237
Std Dev 0.003798
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

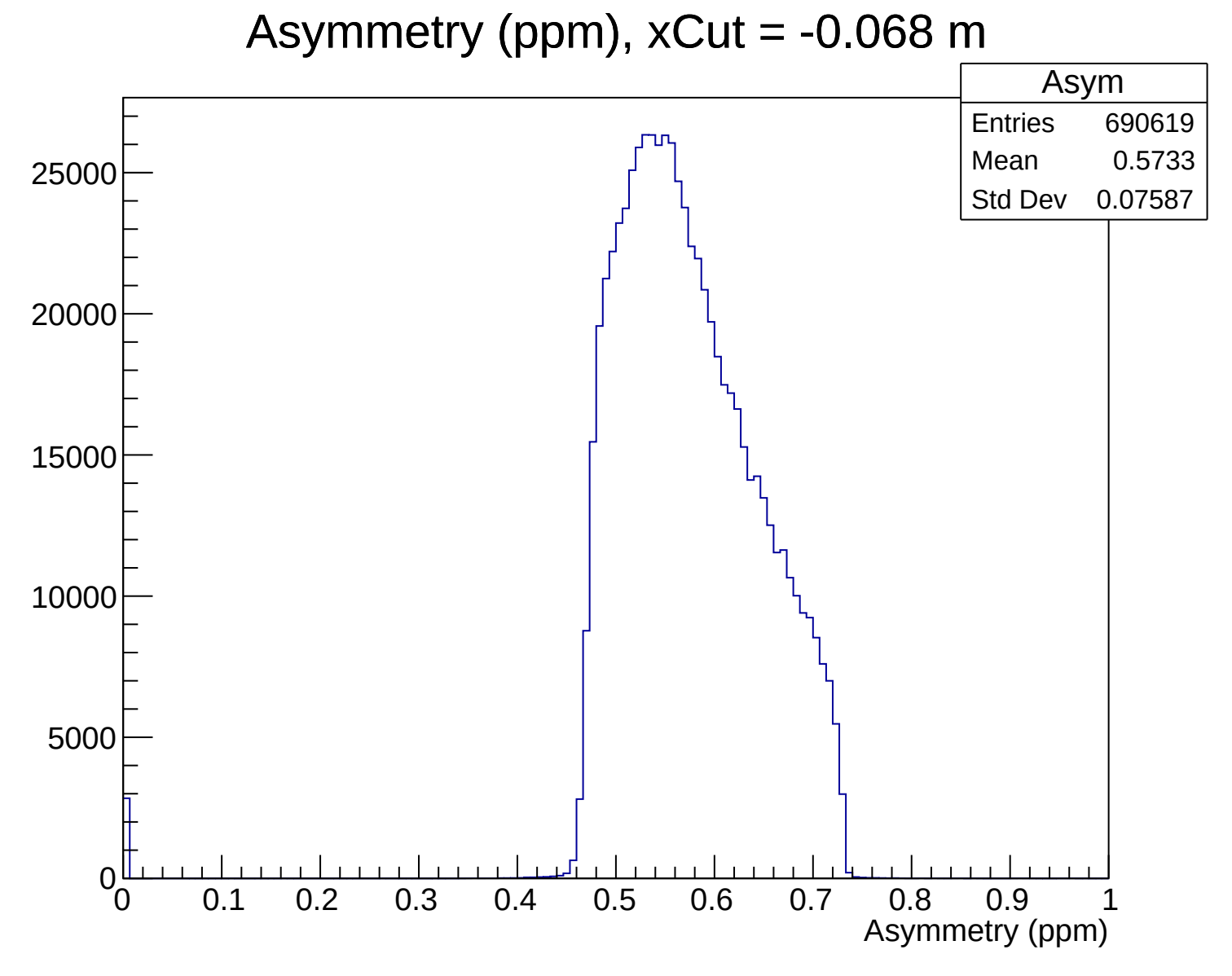

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

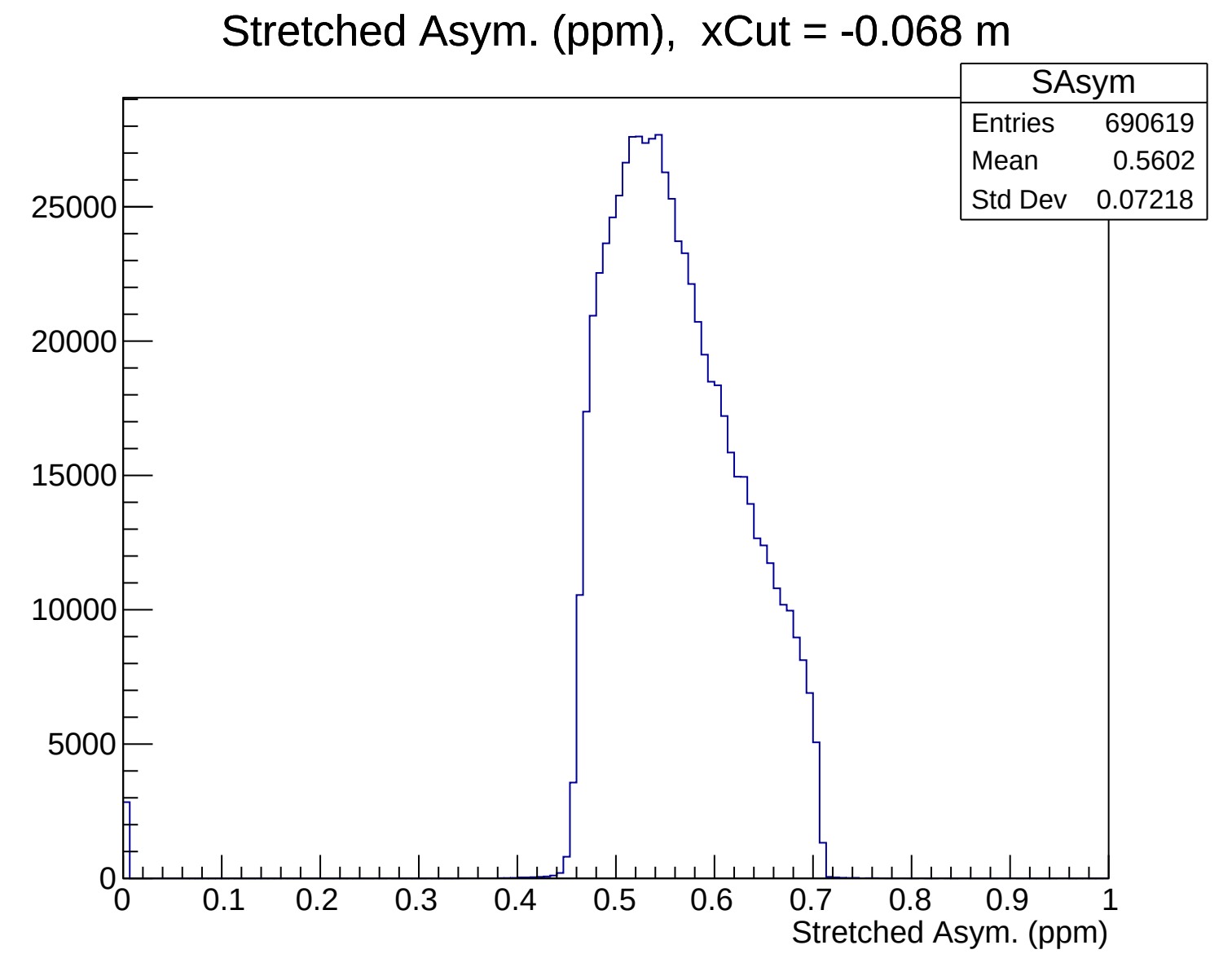

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

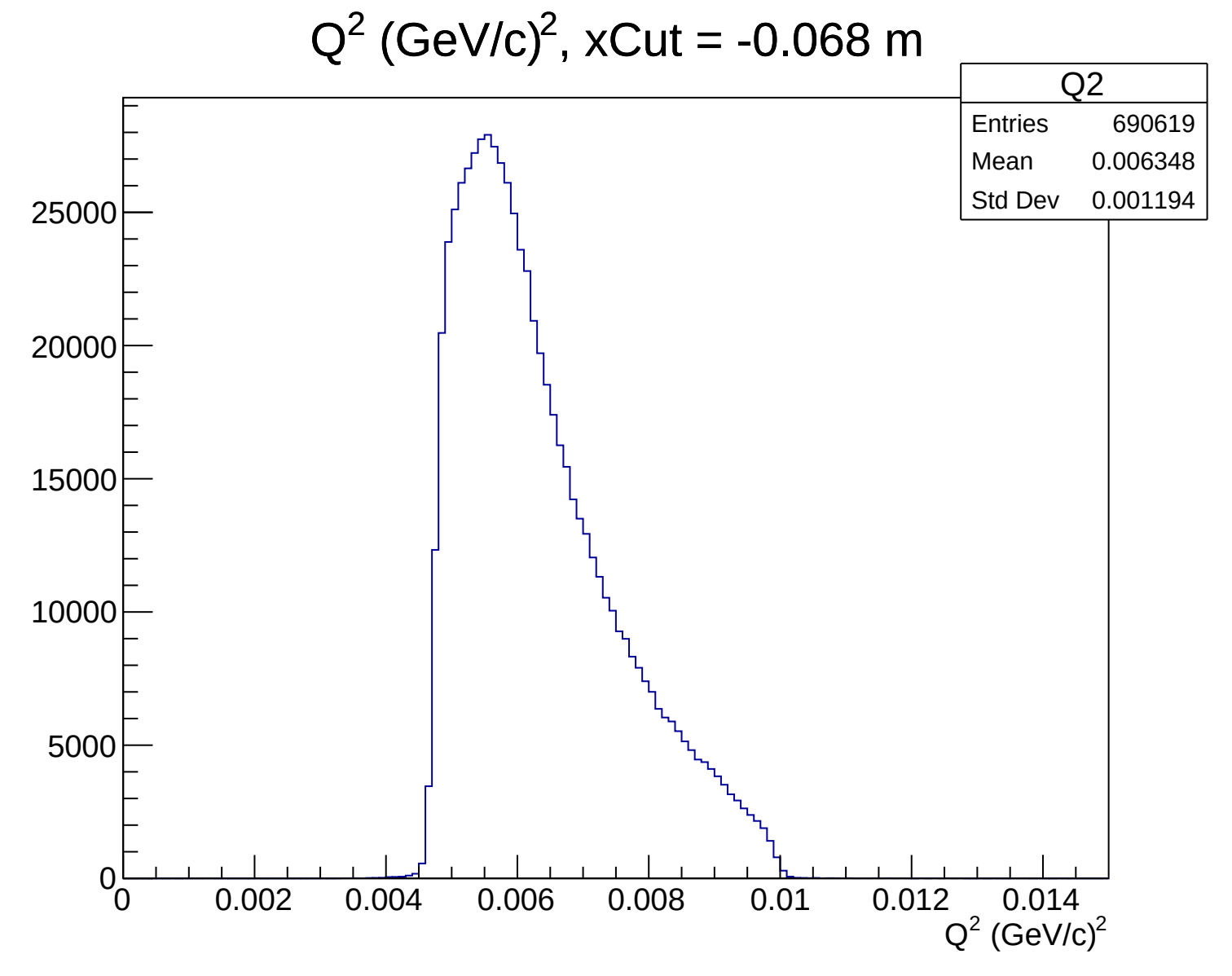

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.068
R.tr.x[0]+1.3*R.tr.th[0] (m)

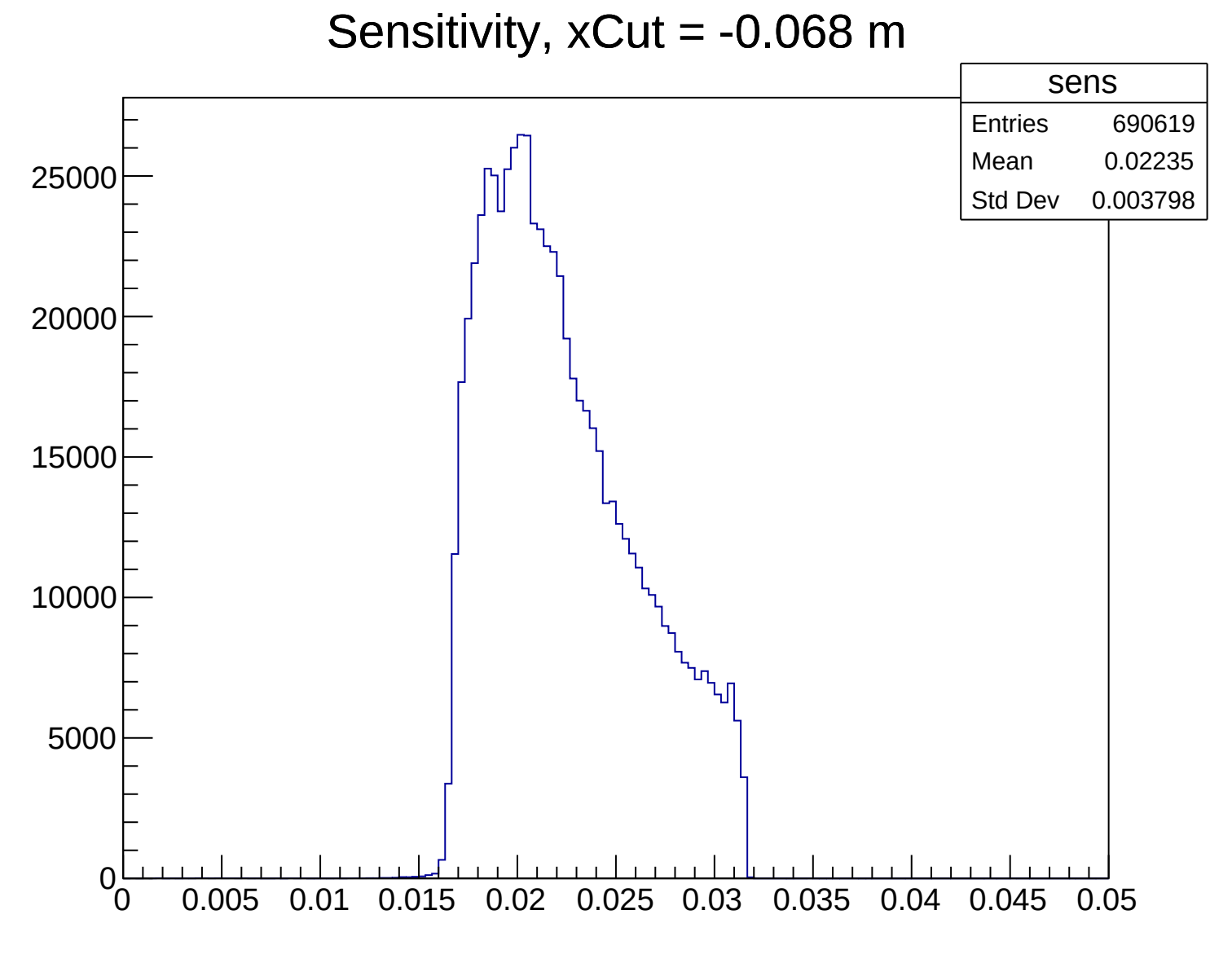

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

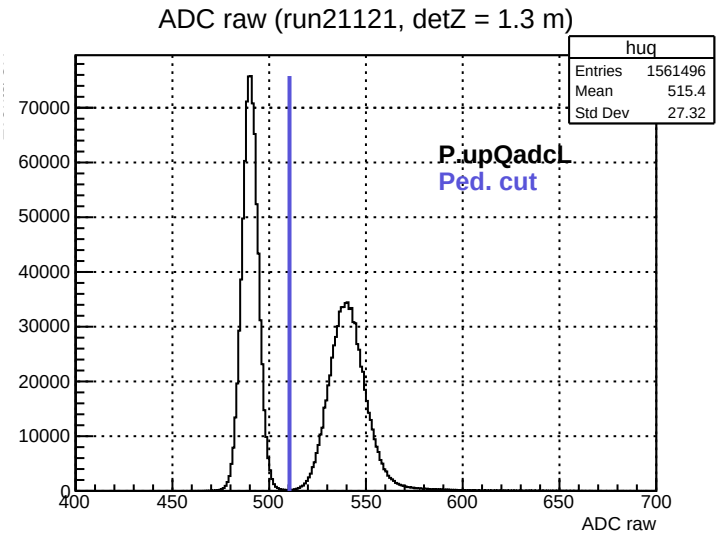

θlab (deg), xCut = -0.068 m
Theta
Entries 690619
Mean 4.794
Std Dev 0.4407
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

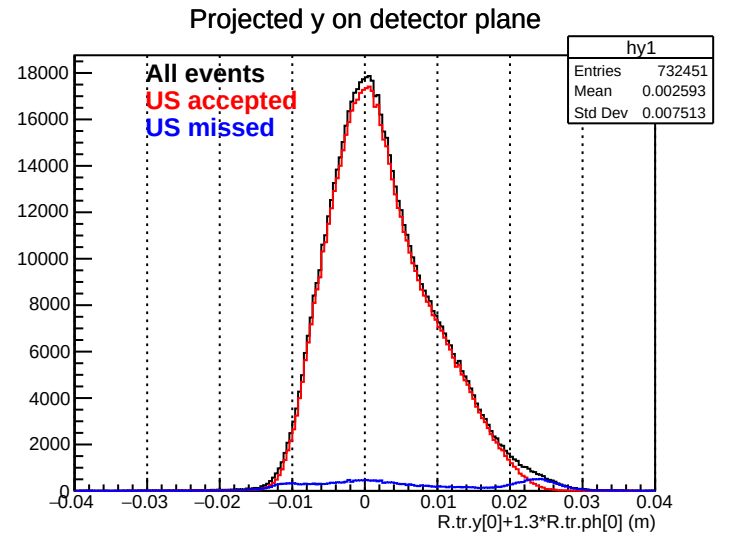

Asymmetry (ppm), xCut = -0.068 m
Asym
Entries 690619
Mean 0.5733
Std Dev 0.07587
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

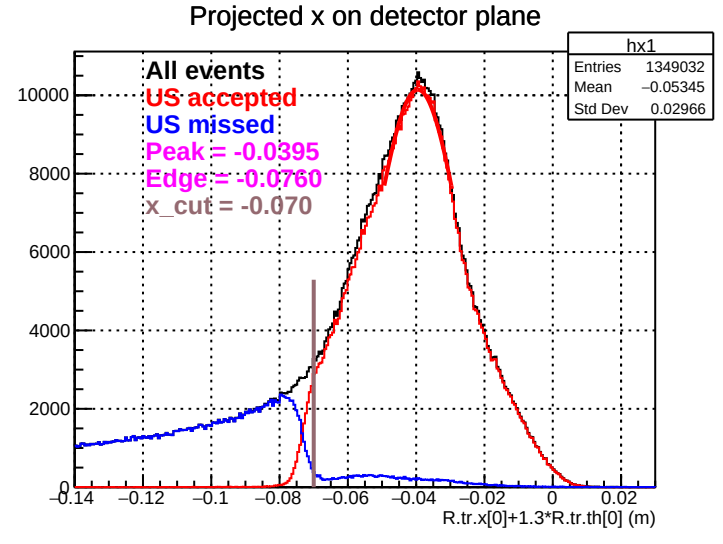

Stretched Asym. (ppm), xCut = -0.068 m
SAsym
Entries 690619
Mean 0.5602
Std Dev 0.07218
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

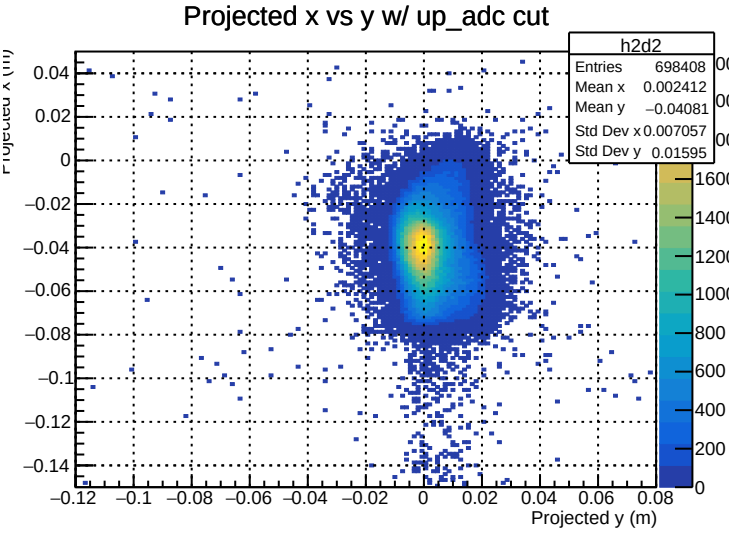

Q^2 (GeV/c)^2, xCut = -0.068 m
Q2
Entries 690619
Mean 0.006348
Std Dev 0.001194
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

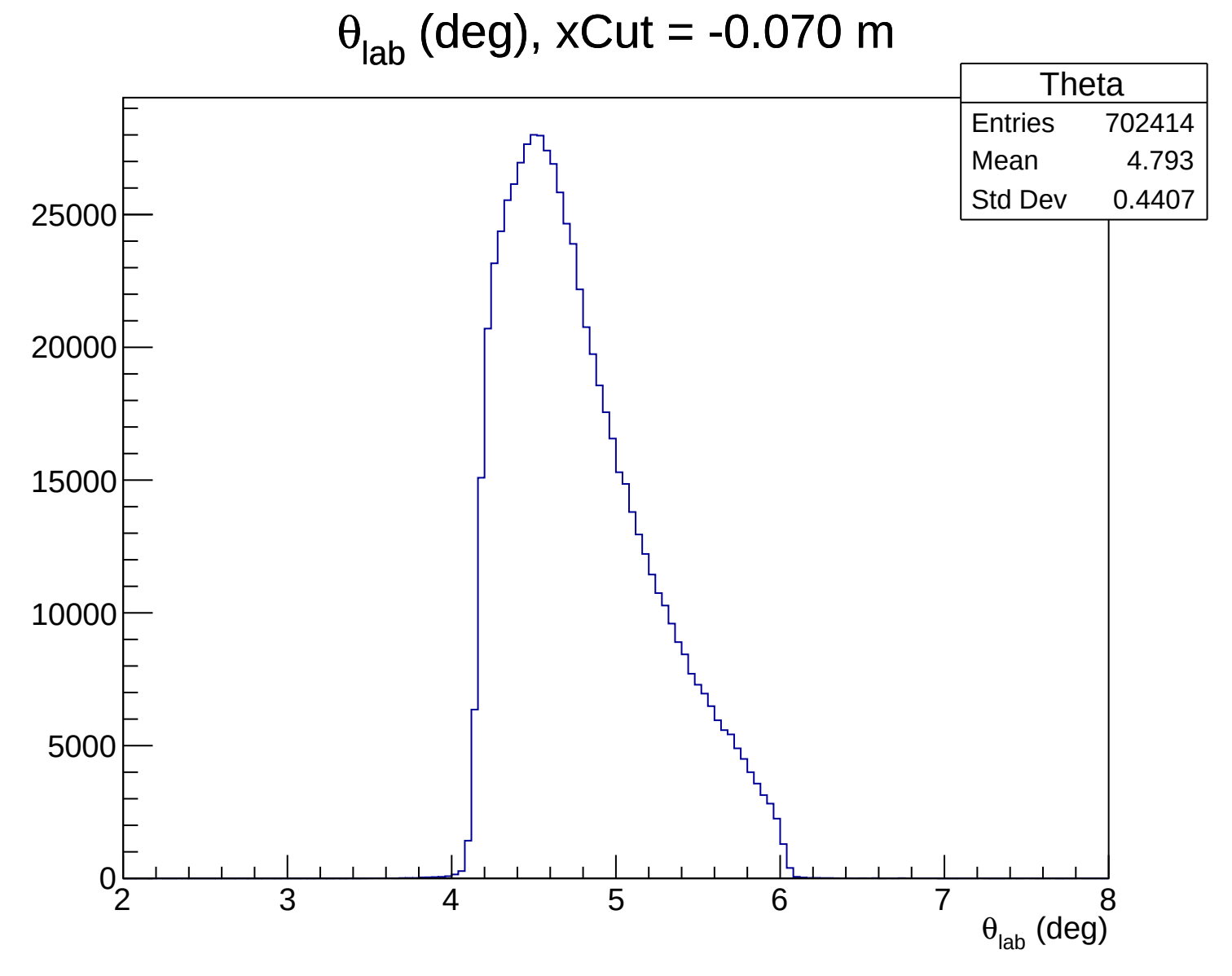

Sensitivity, xCut = -0.068 m
sens
Entries 690619
Mean 0.02235
Std Dev 0.003798
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

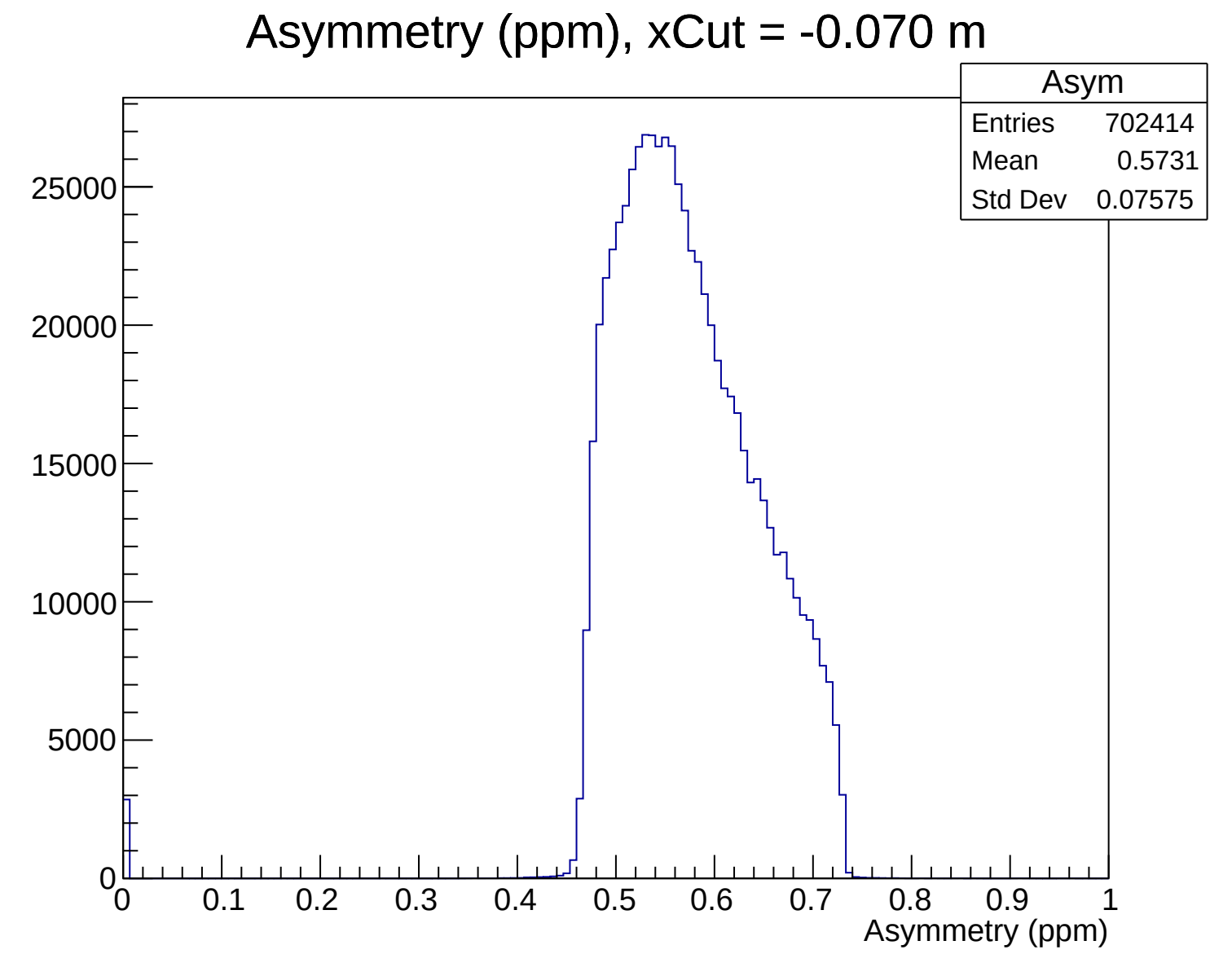

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

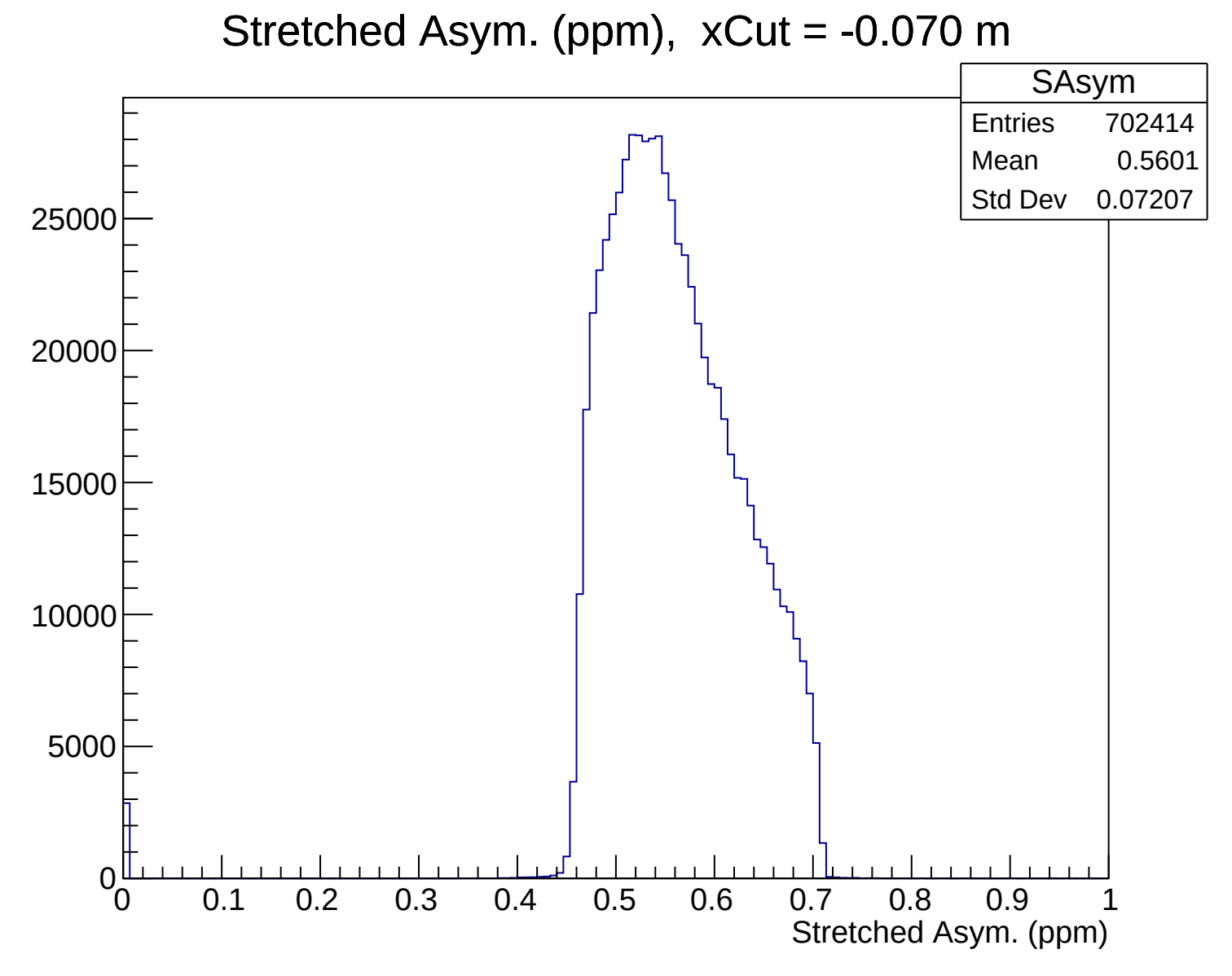

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

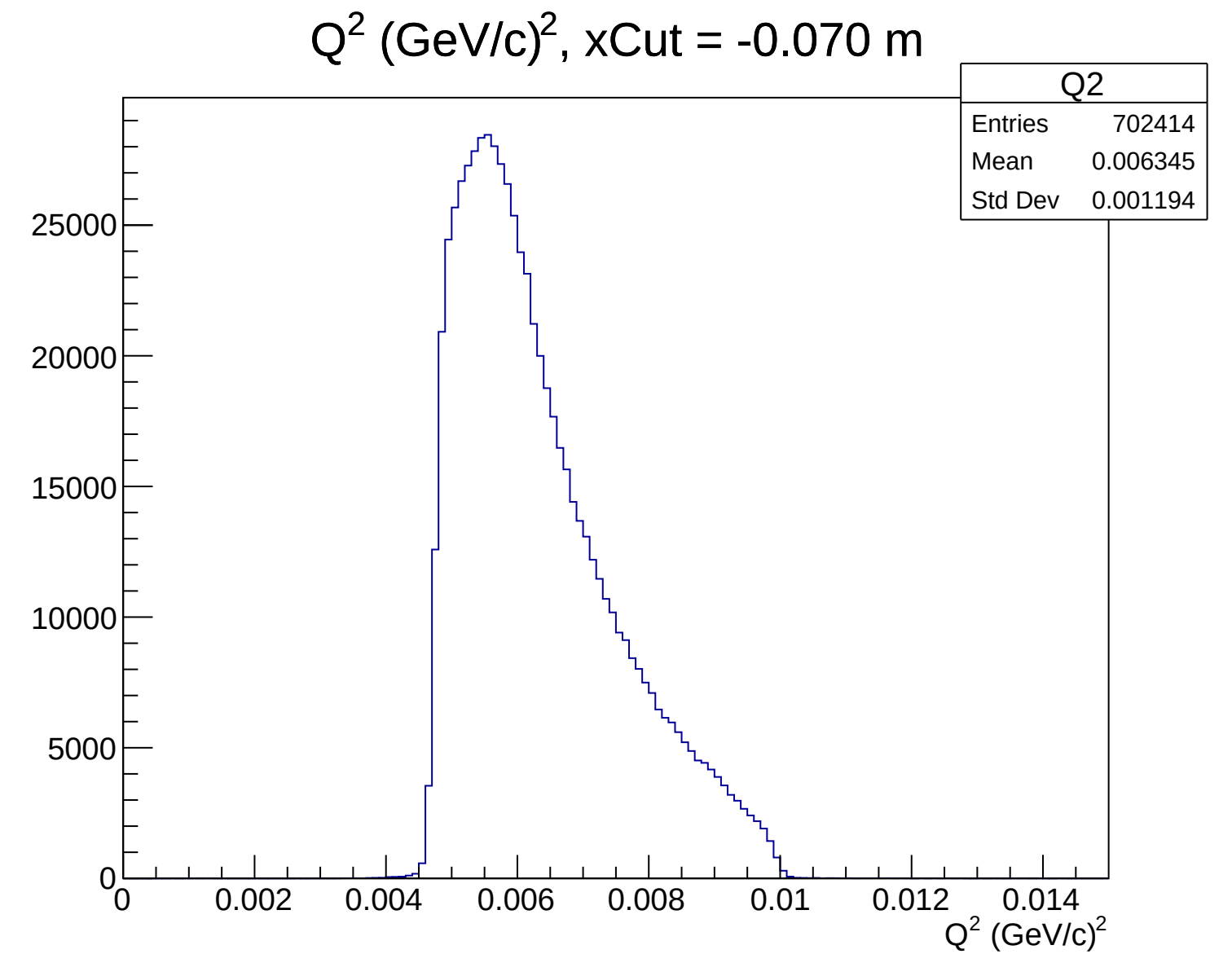

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.070
R.tr.x[0]+1.3*R.tr.th[0] (m)

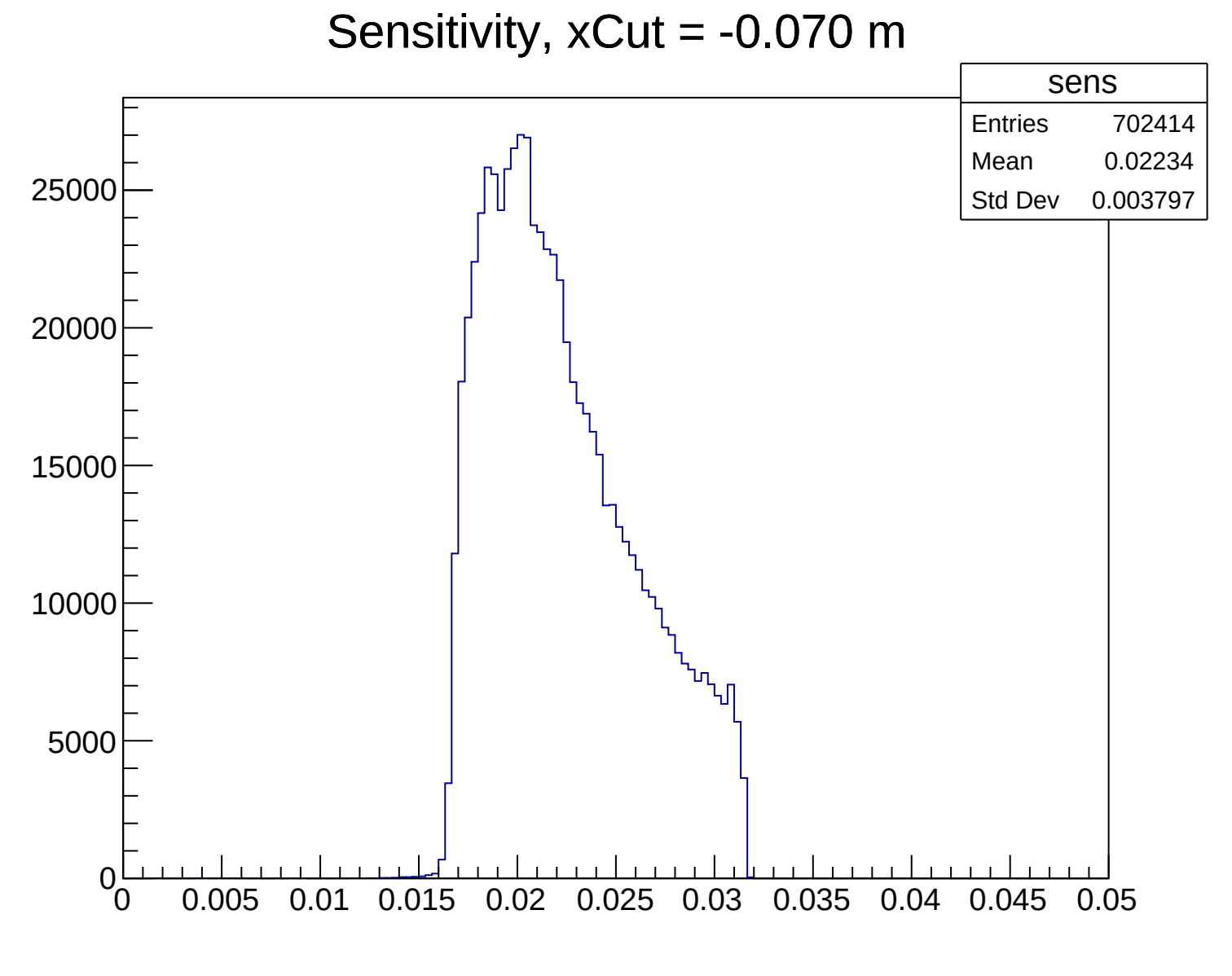

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

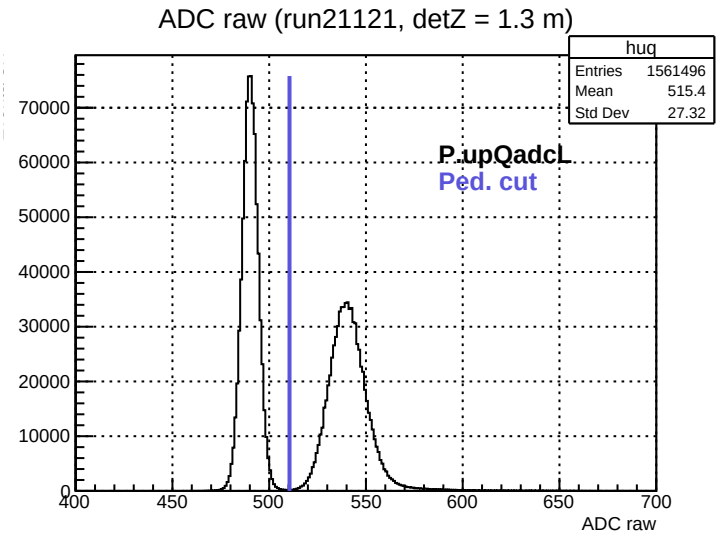

θlab (deg), xCut = -0.070 m
Theta
Entries 702414
Mean 4.793
Std Dev 0.4407
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

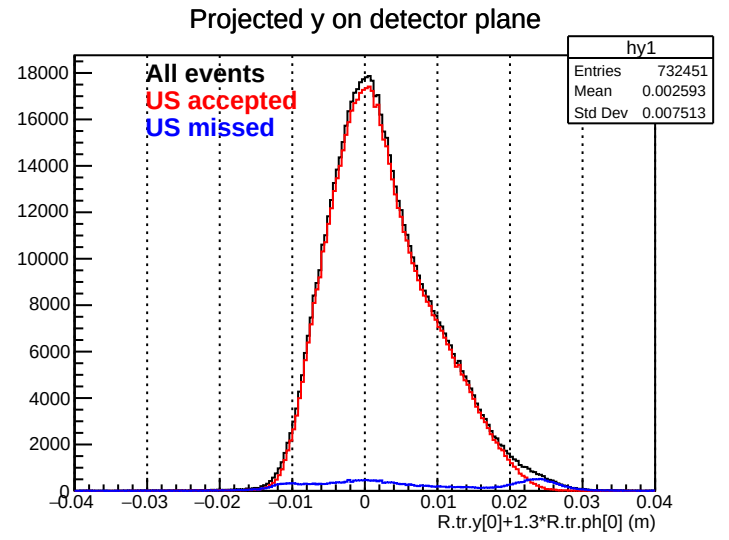

Asymmetry (ppm), xCut = -0.070 m
Asym
Entries 702414
Mean 0.5731
Std Dev 0.07575
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

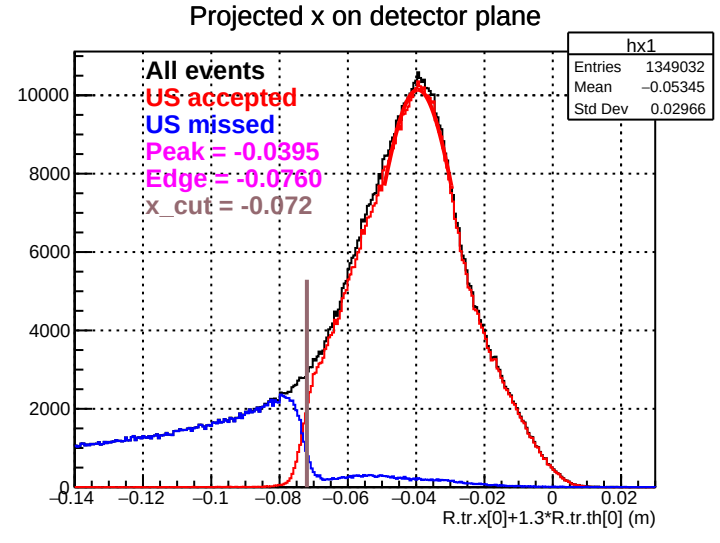

Stretched Asym. (ppm), xCut = -0.070 m
SAsym
Entries 702414
Mean 0.5601
Std Dev 0.07207
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

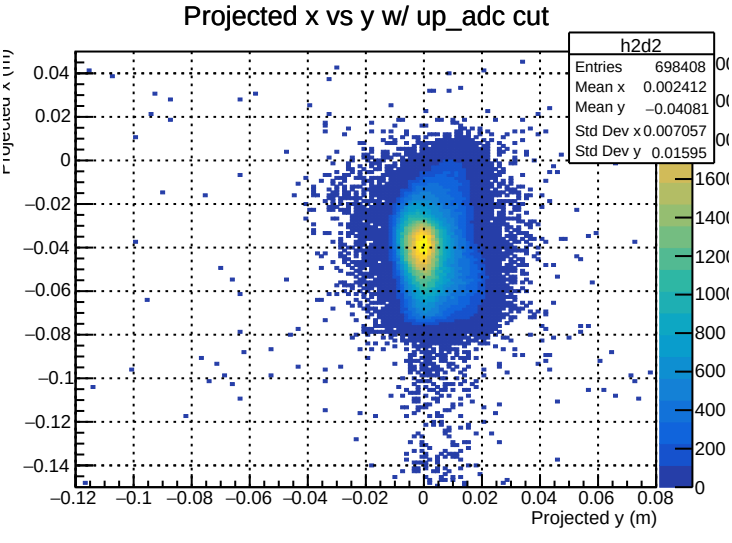

Q^2 (GeV/c)^2, xCut = -0.070 m
Q2
Entries 702414
Mean 0.006345
Std Dev 0.001194
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

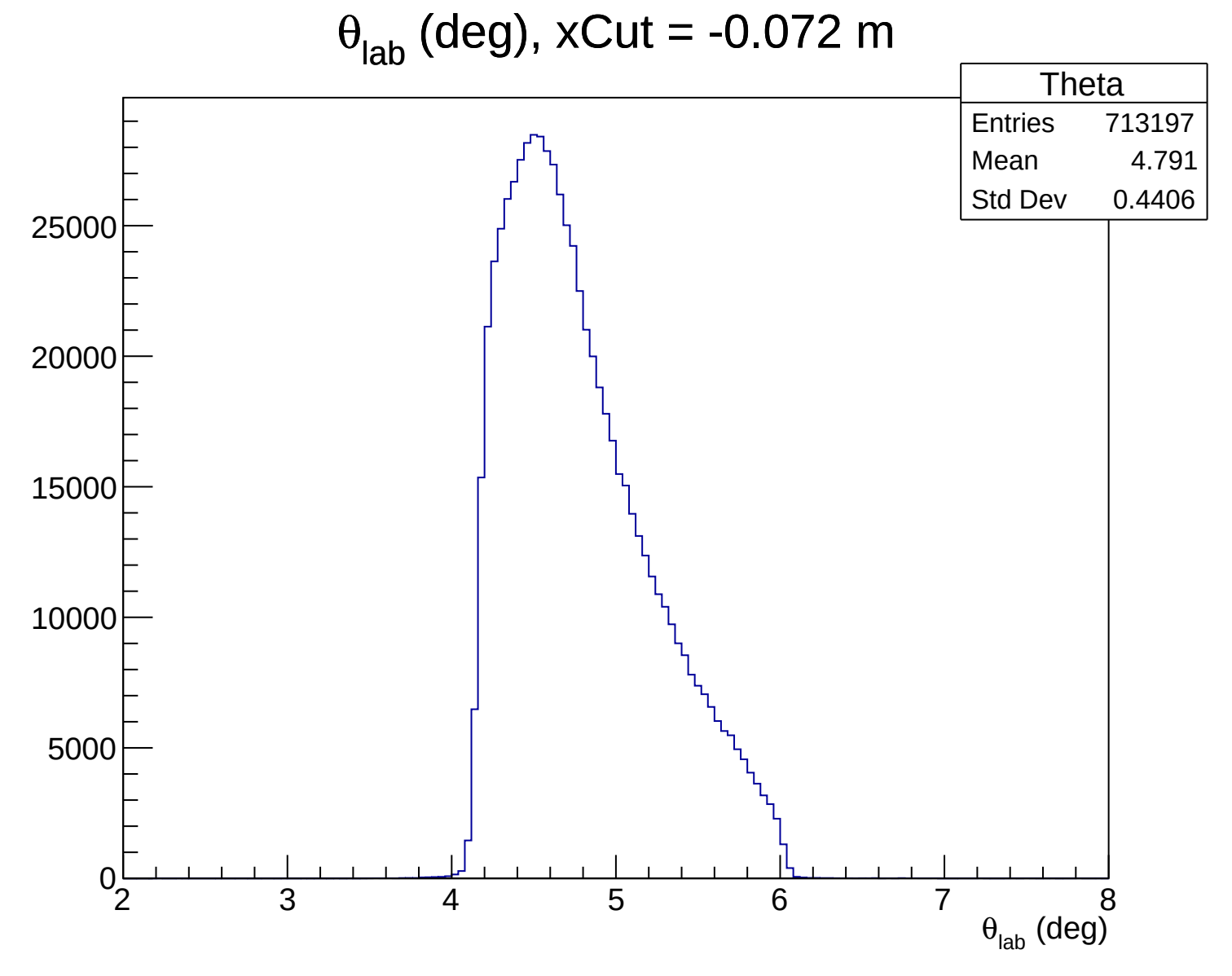

Sensitivity, xCut = -0.070 m
sens
Entries 702414
Mean 0.02234
Std Dev 0.003797
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

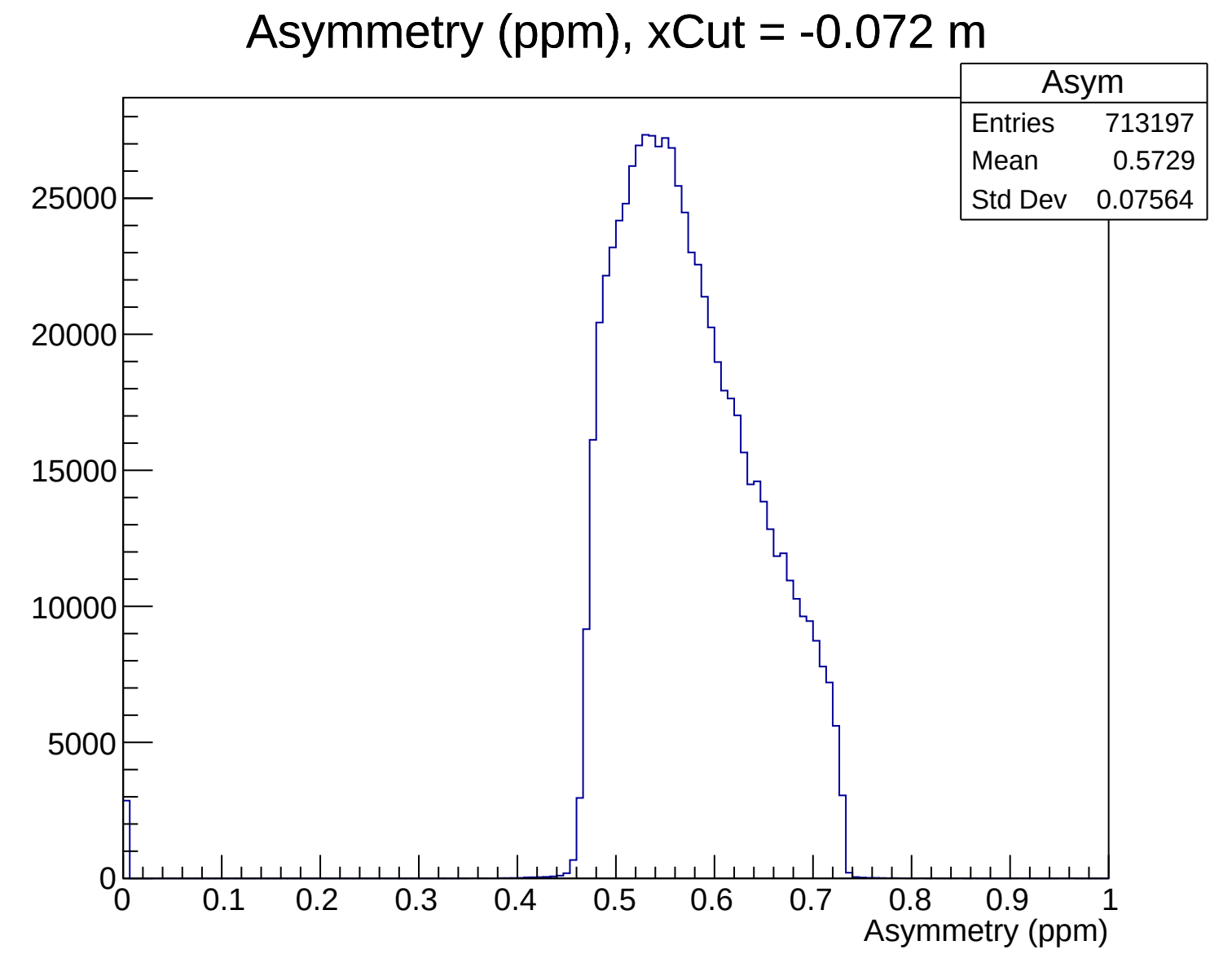

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

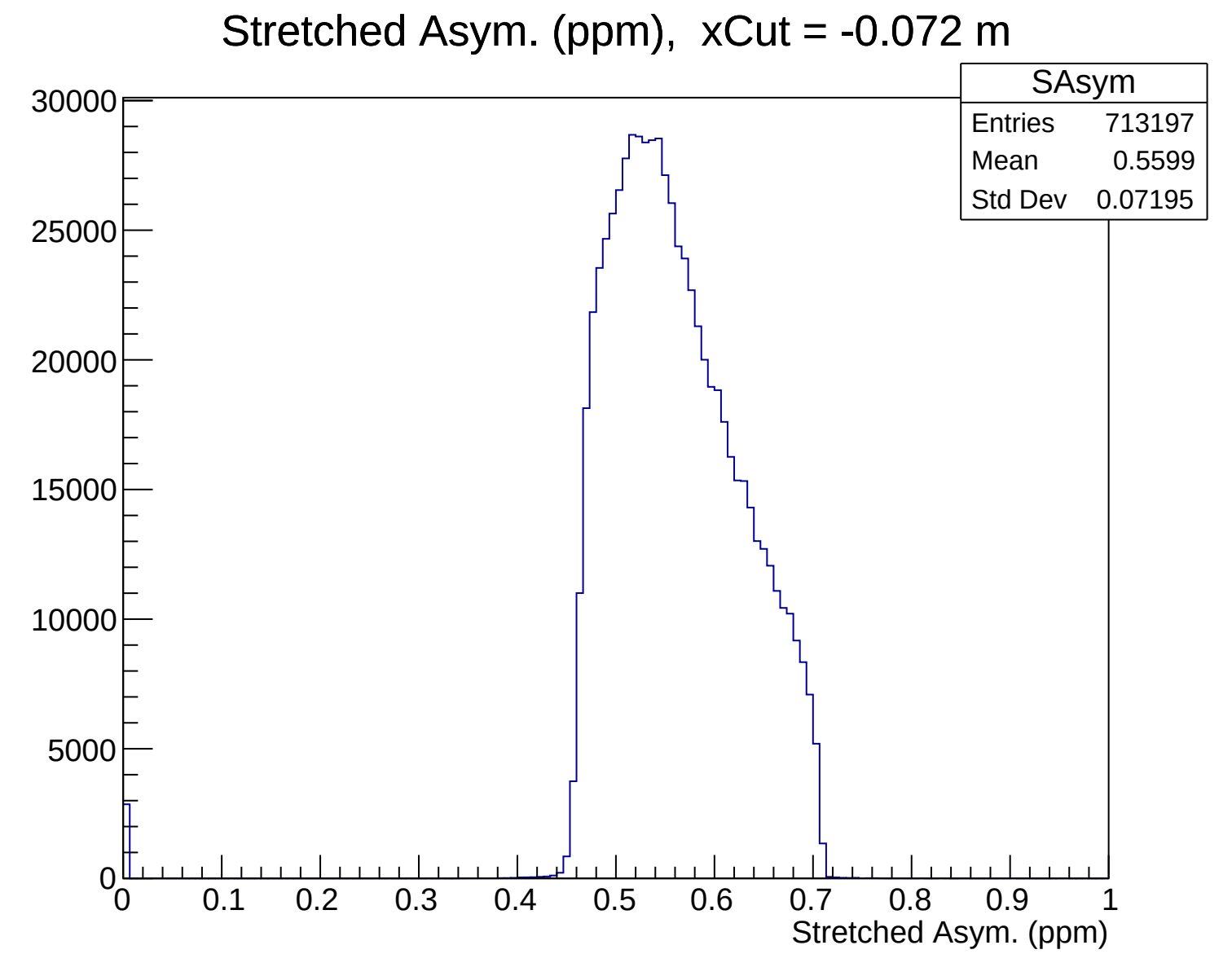

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

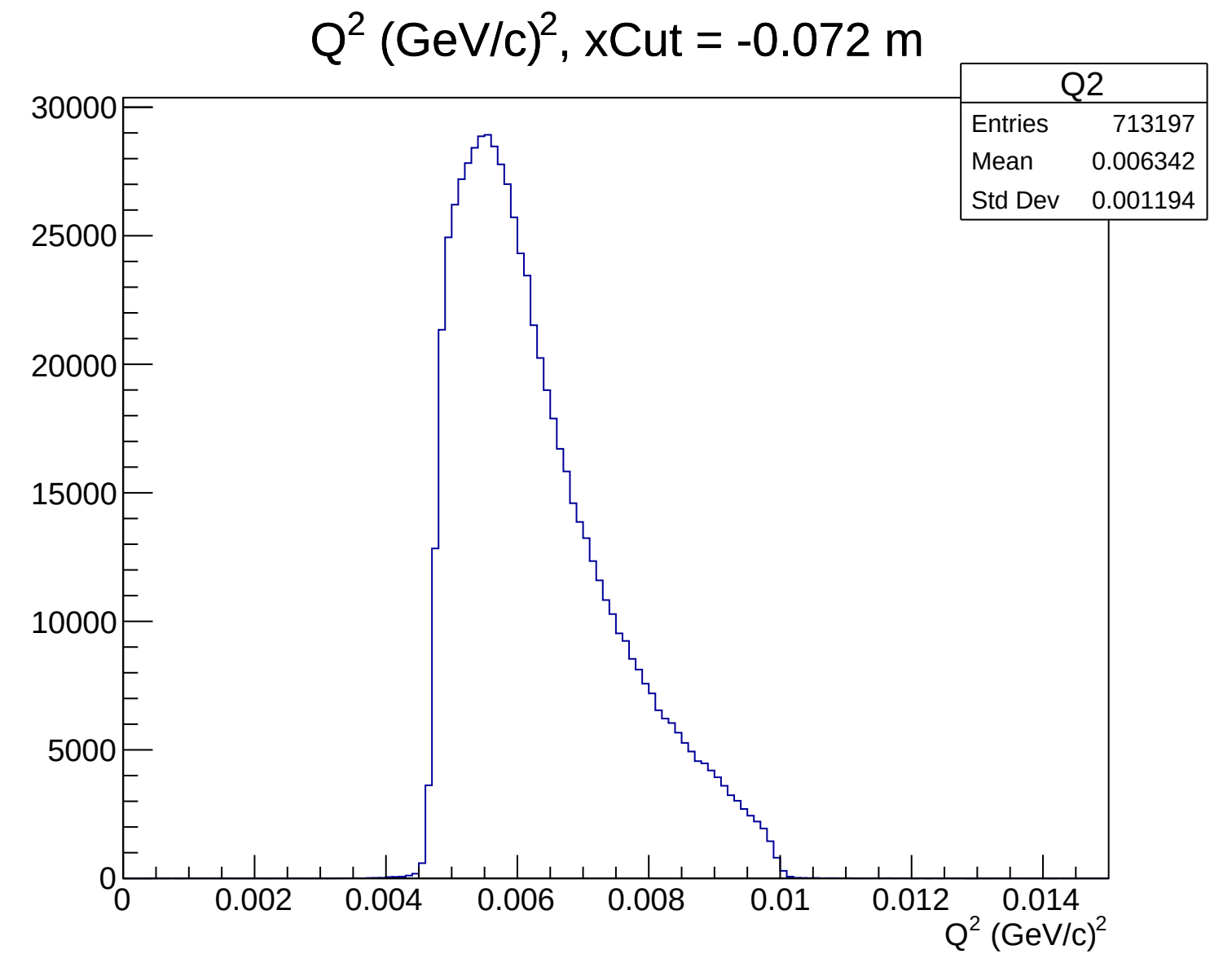

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.072
R.tr.x[0]+1.3*R.tr.th[0] (m)

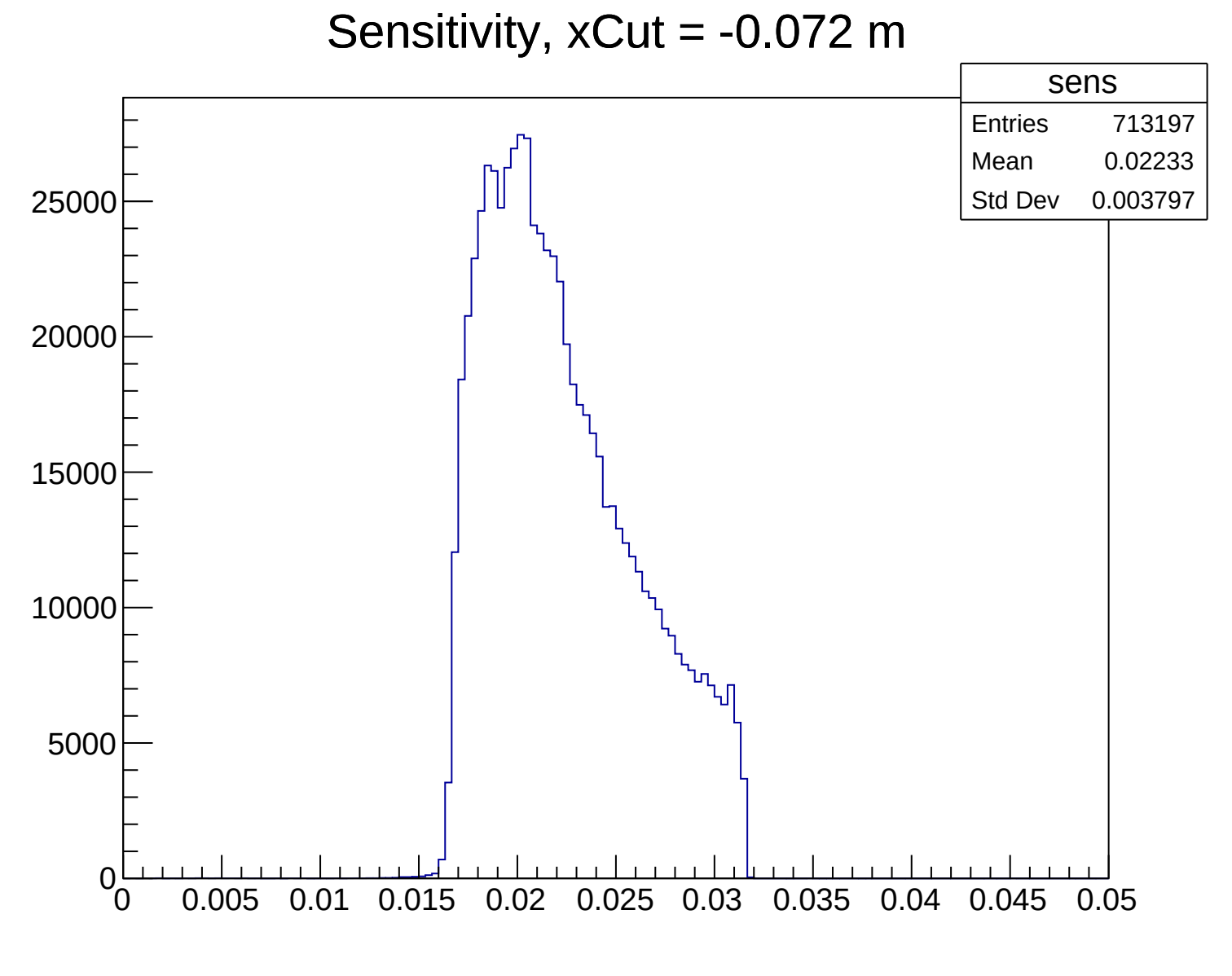

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

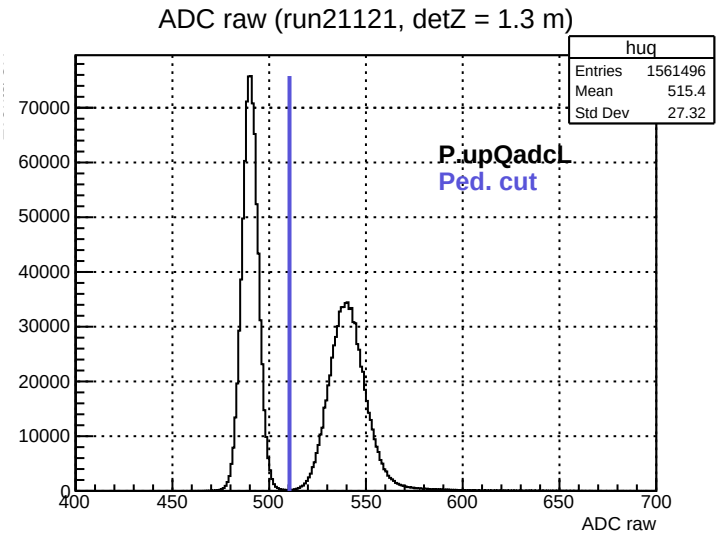

θlab (deg), xCut = -0.072 m
Theta
Entries 713197
Mean 4.791
Std Dev 0.4406
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

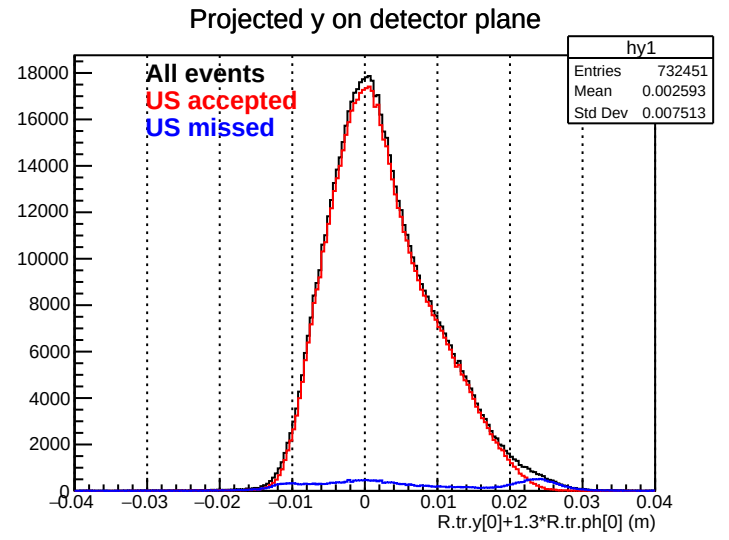

Asymmetry (ppm), xCut = -0.072 m
Asym
Entries 713197
Mean 0.5729
Std Dev 0.07564
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

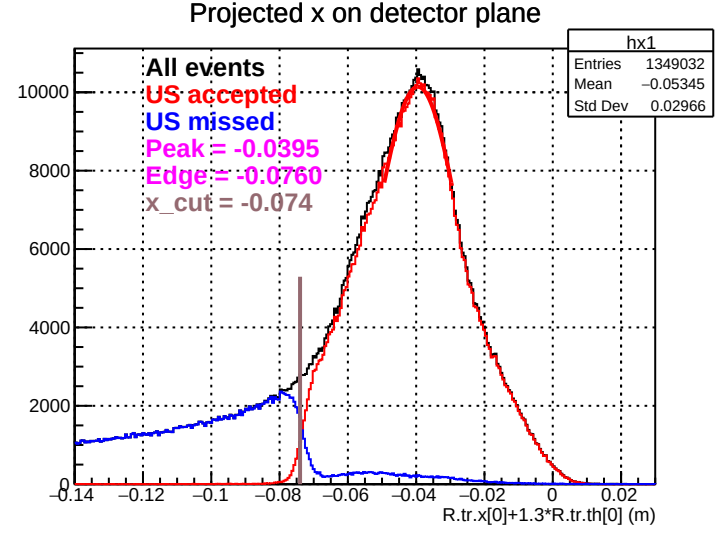

Stretched Asym. (ppm), xCut = -0.072 m
SAsym
Entries 713197
Mean 0.5599
Std Dev 0.07195
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

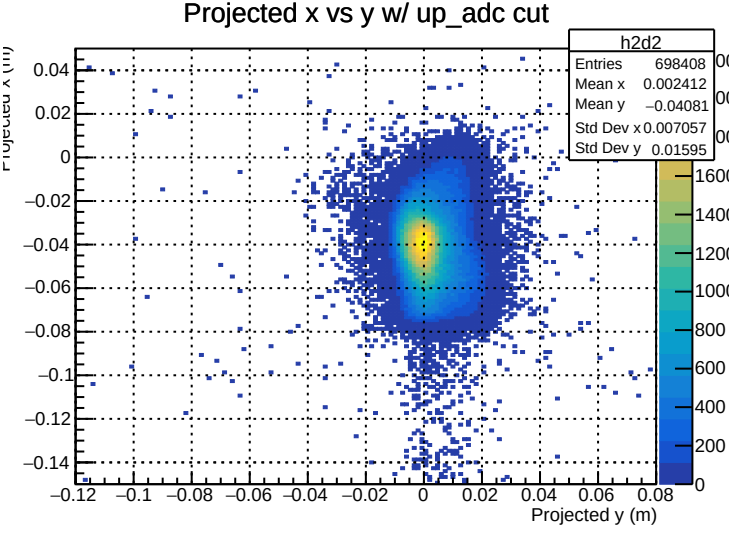

Q^2 (GeV/c)^2, xCut = -0.072 m
Q2
Entries 713197
Mean 0.006342
Std Dev 0.001194
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

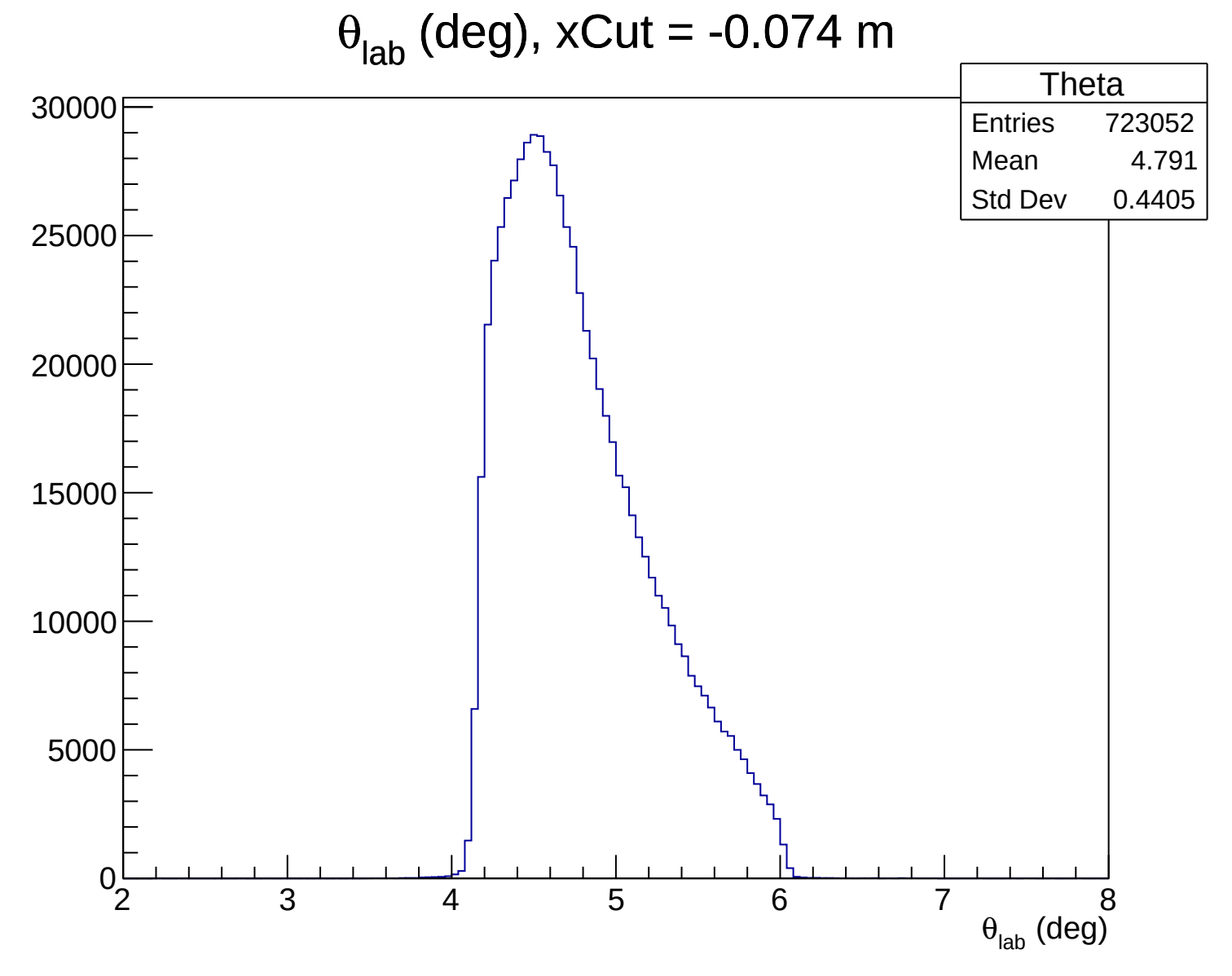

Sensitivity, xCut = -0.072 m
sens
Entries 713197
Mean 0.02233
Std Dev 0.003797
25000
20000
15000
10000
5000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

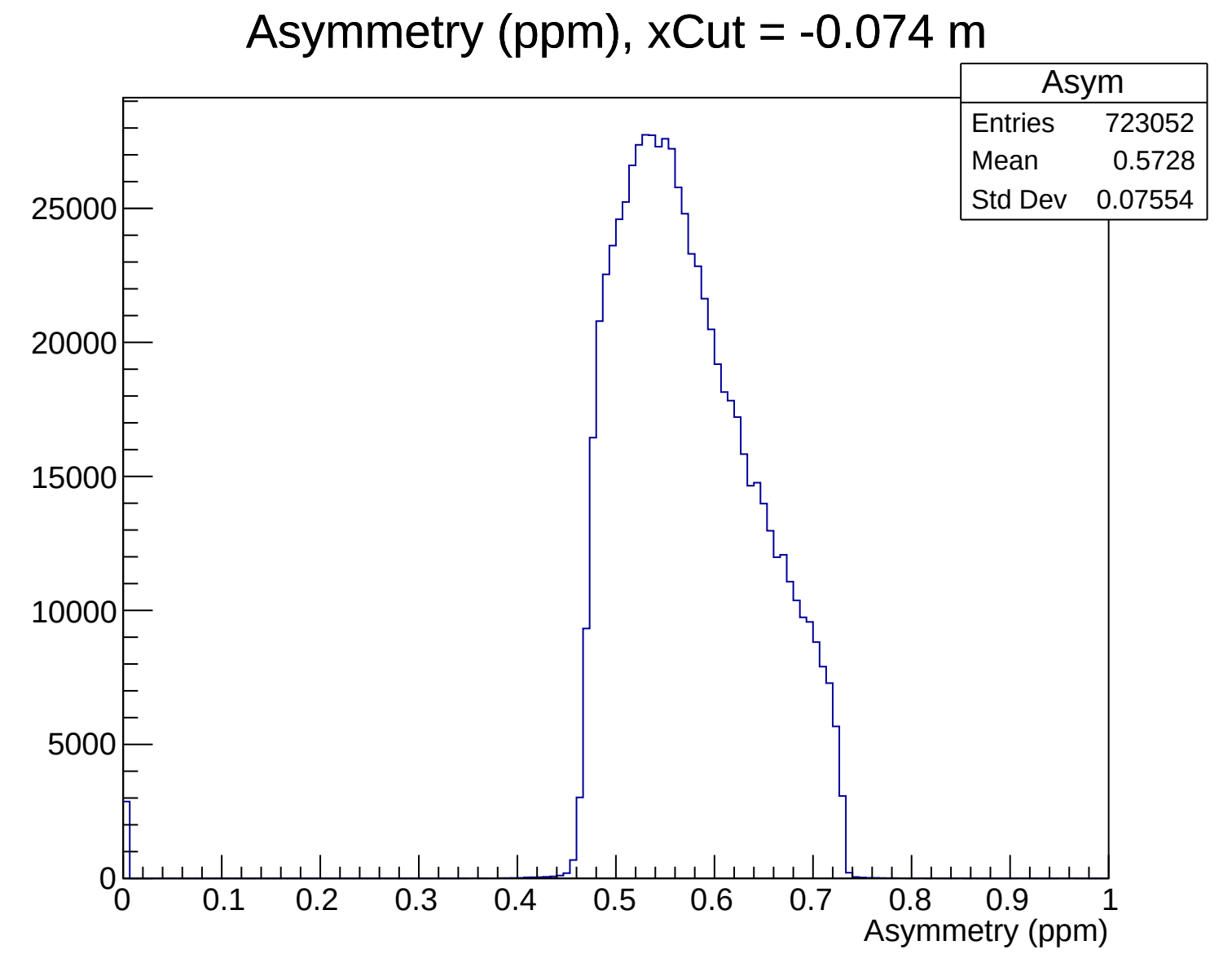

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

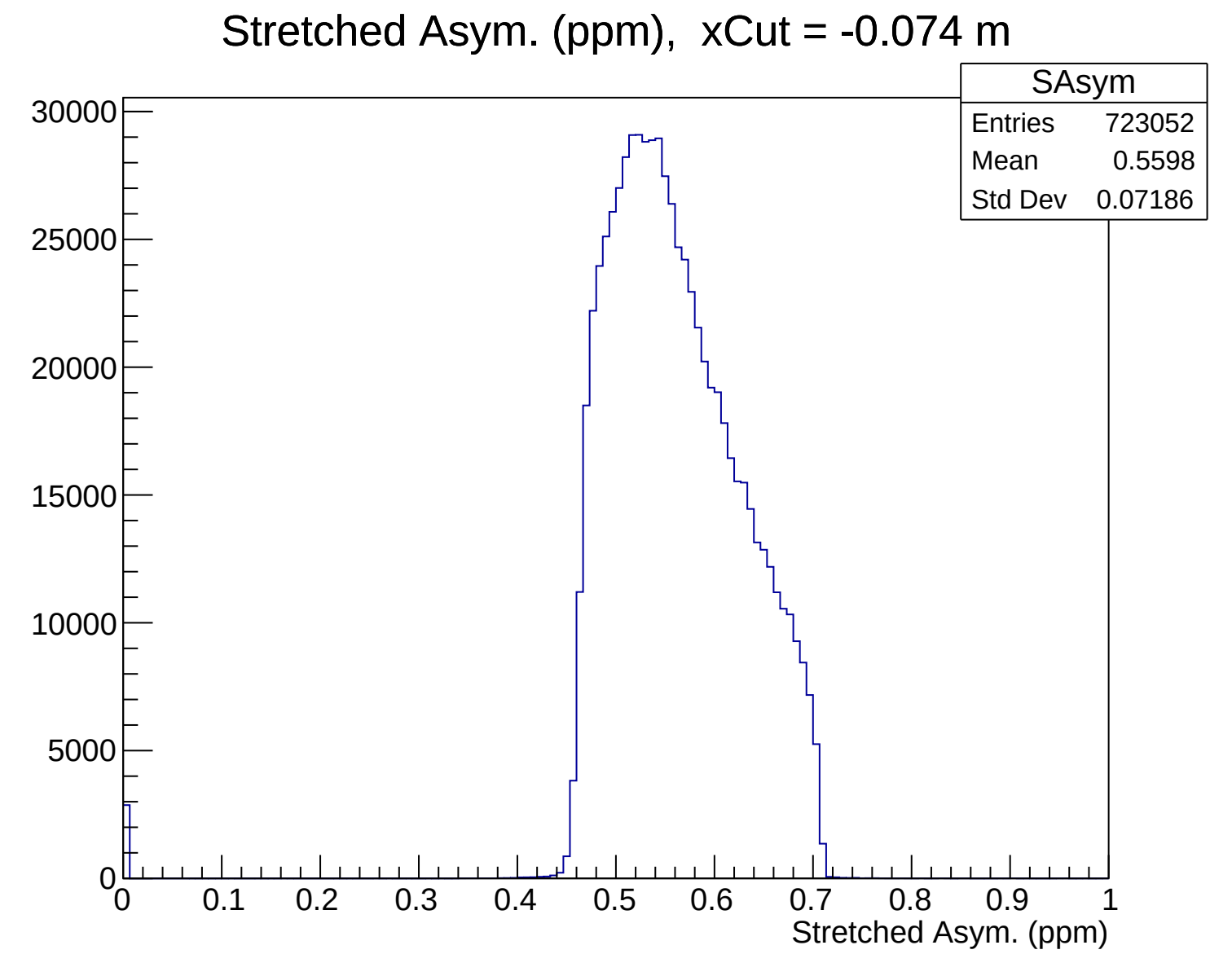

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

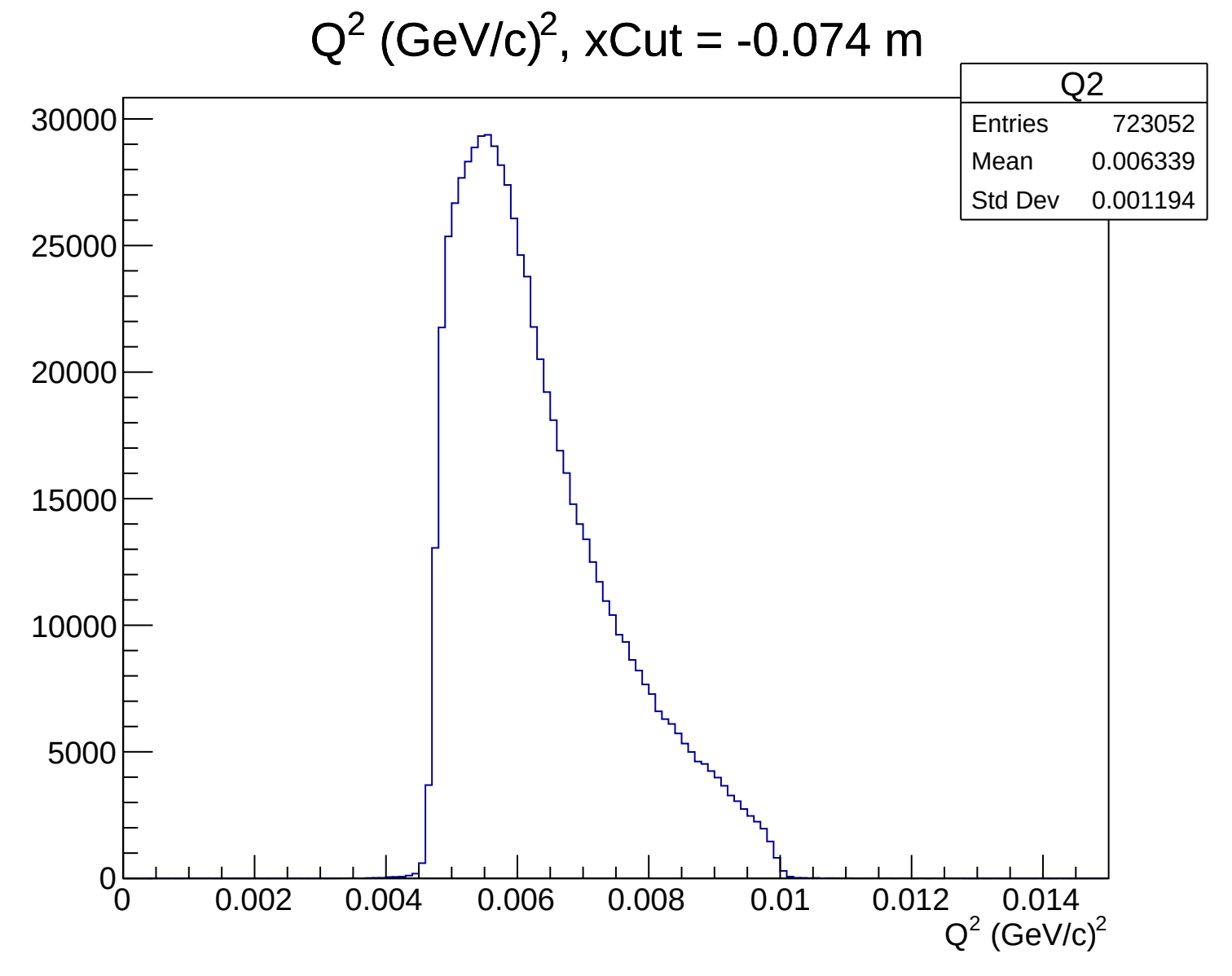

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.074
R.tr.x[0]+1.3*R.tr.th[0] (m)

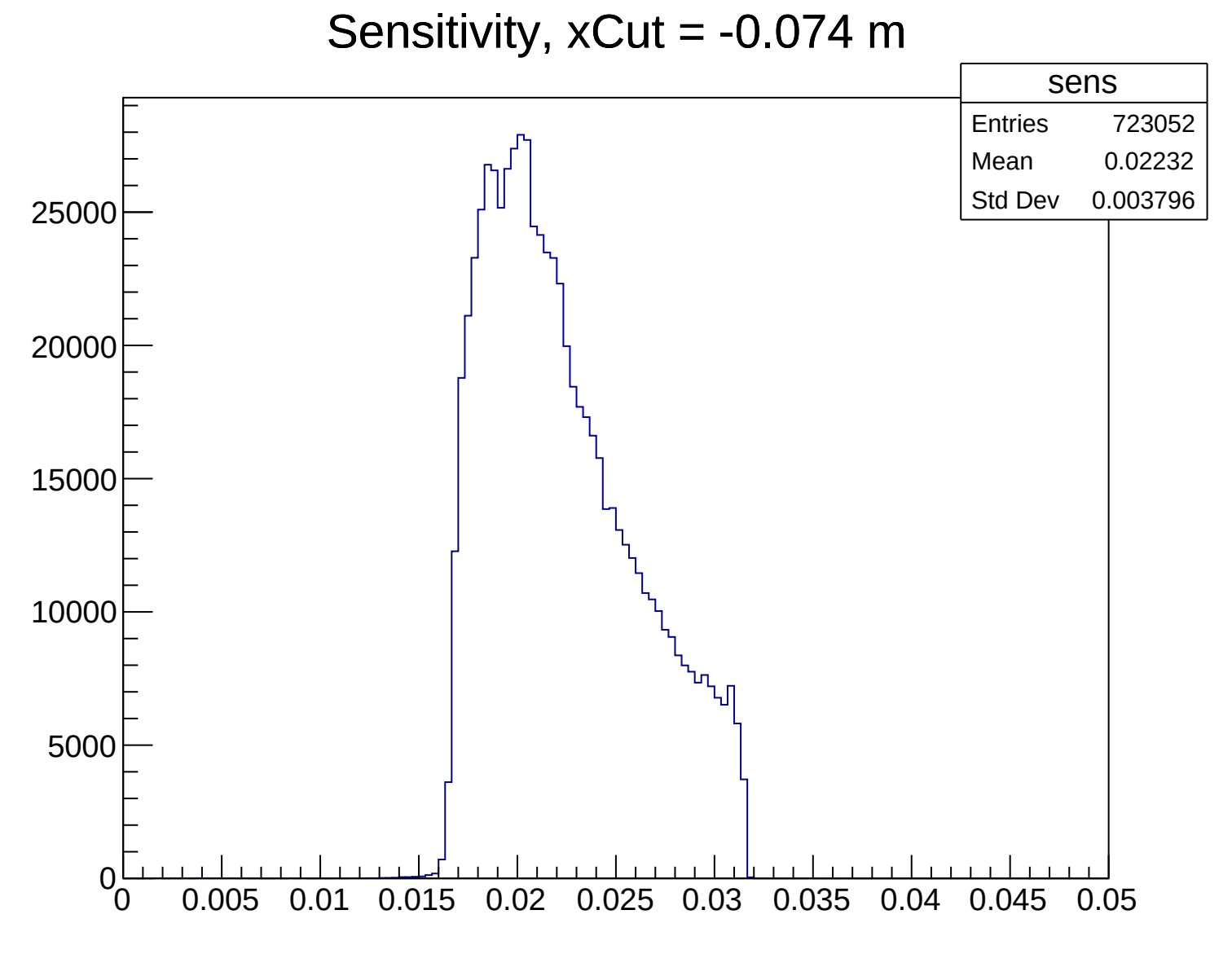

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

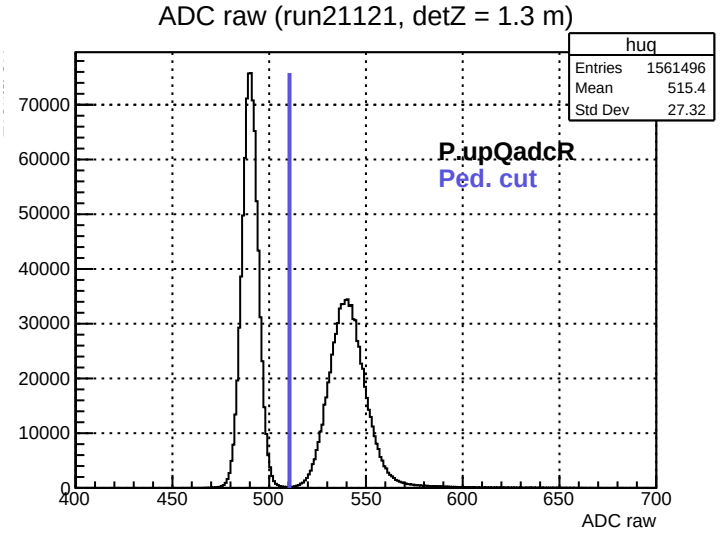

θlab (deg), xCut = -0.074 m
Theta
Entries 723052
Mean 4.791
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

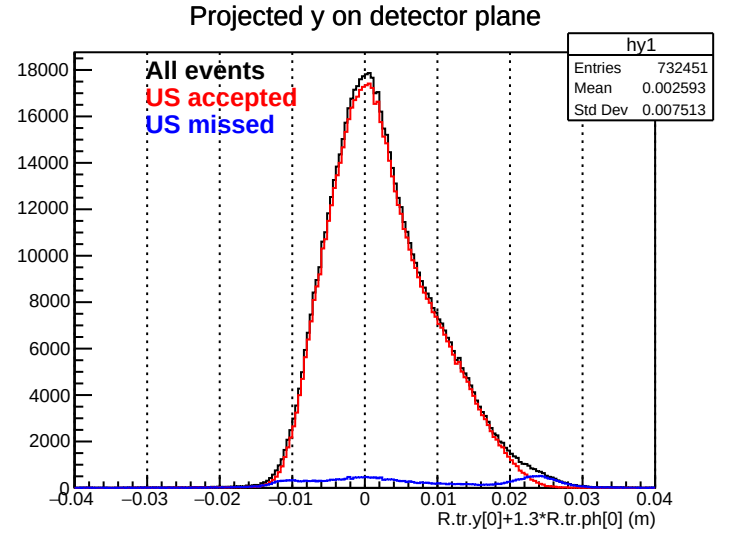

Asymmetry (ppm), xCut = -0.074 m
Asym
Entries 723052
Mean 0.5728
Std Dev 0.07554
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

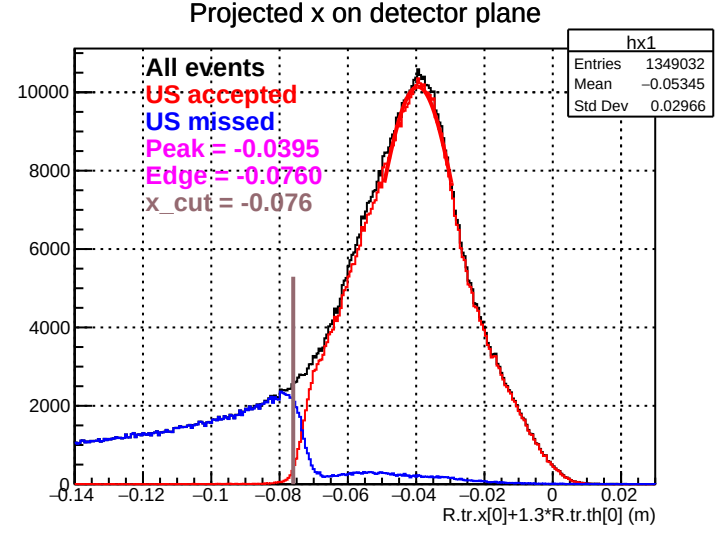

Stretched Asym. (ppm), xCut = -0.074 m
SAsym
Entries 723052
Mean 0.5598
Std Dev 0.07186
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

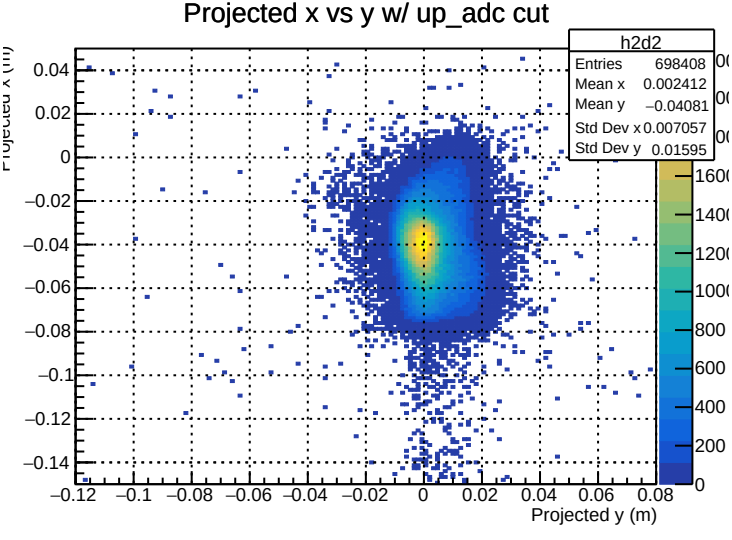

Q^2 (GeV/c)^2, xCut = -0.074 m
Q2
Entries 723052
Mean 0.006339
Std Dev 0.001194
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

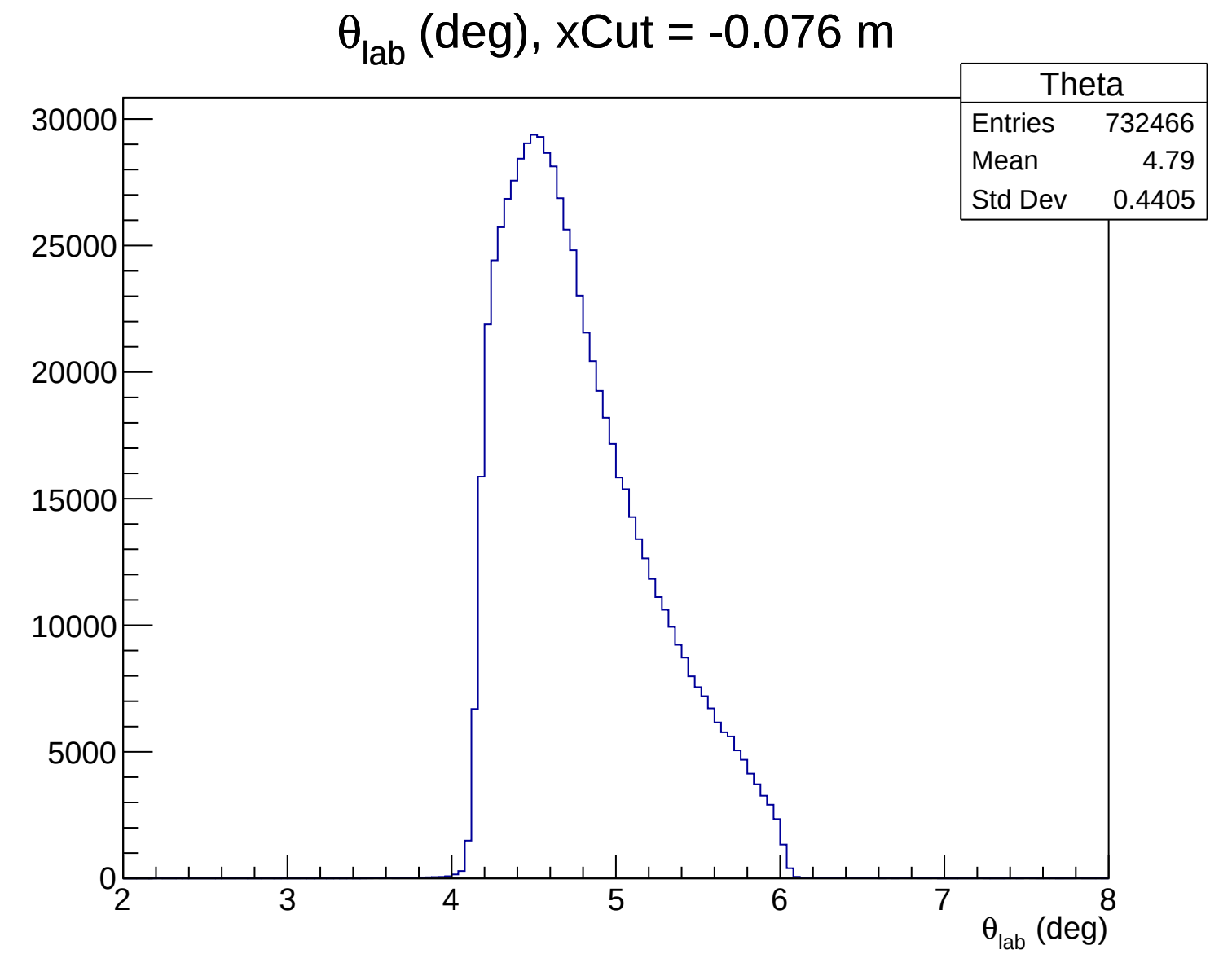

Sensitivity, xCut = -0.074 m
sens
Entries 723052
Mean 0.02232
Std Dev 0.003796
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

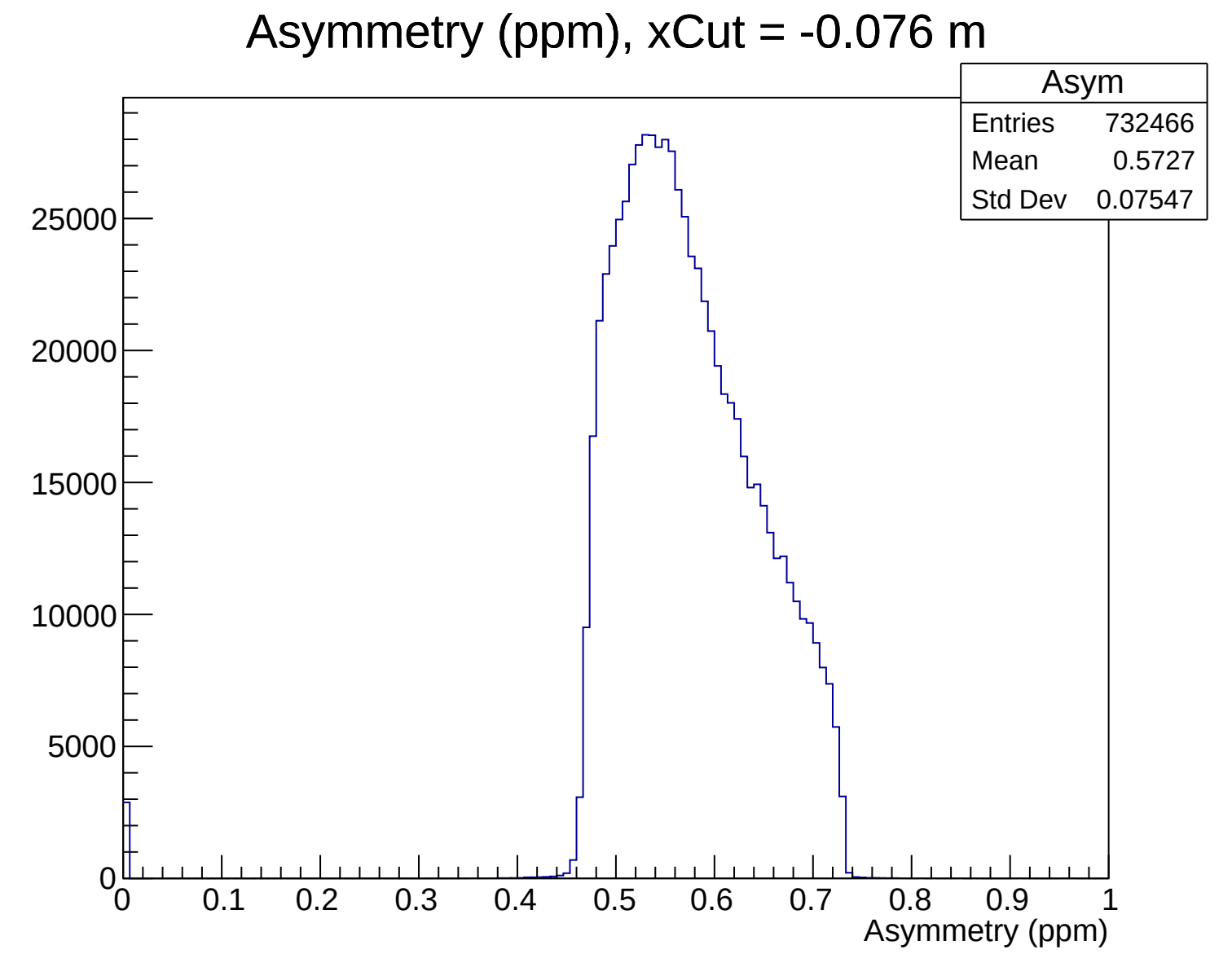

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

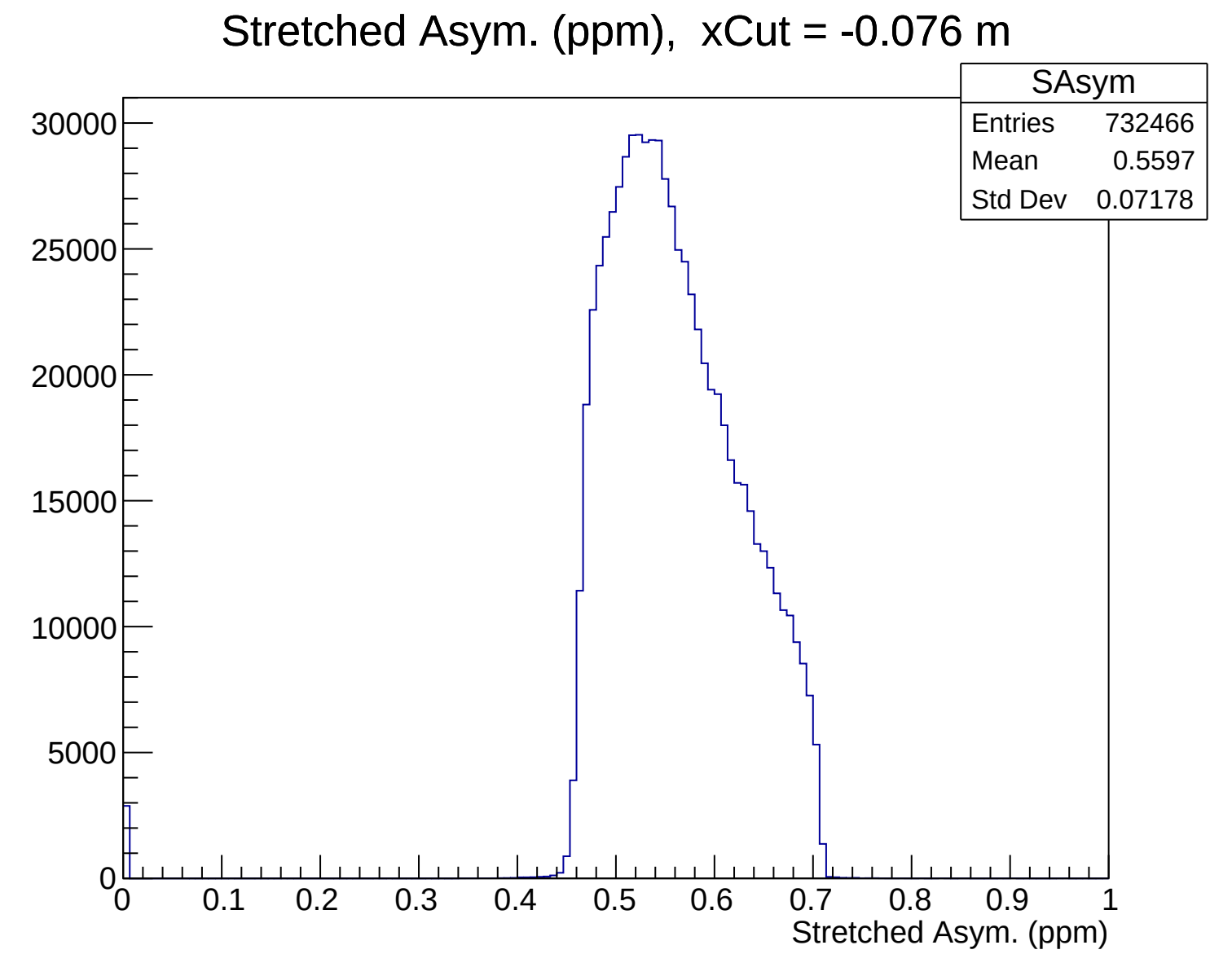

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

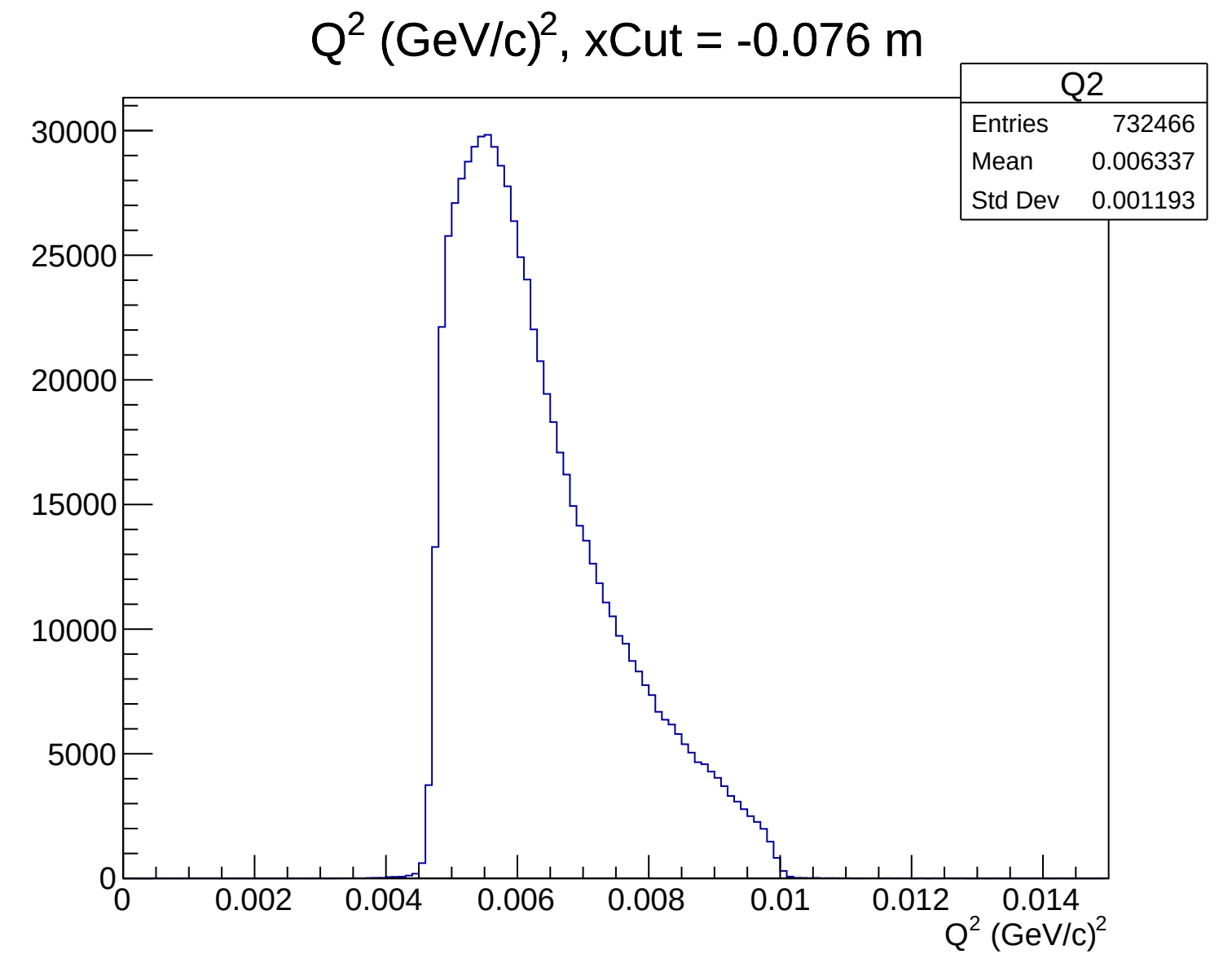

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.076
R.tr.x[0]+1.3*R.tr.th[0] (m)

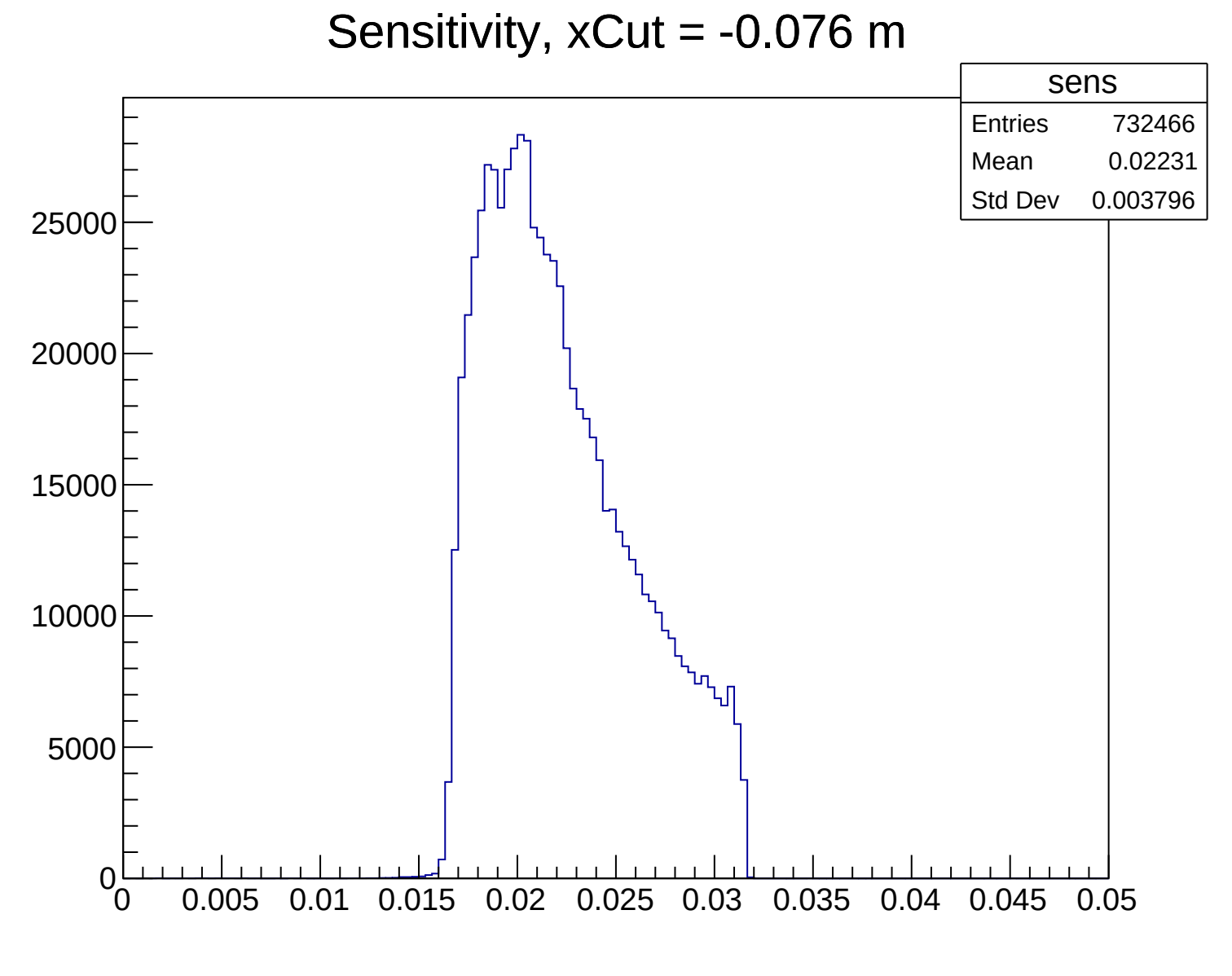

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

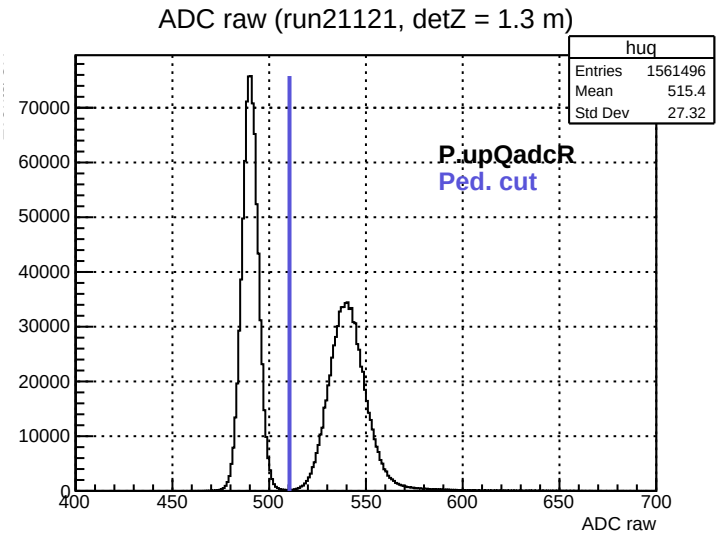

θlab (deg), xCut = -0.076 m
Theta
Entries 732466
Mean 4.79
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

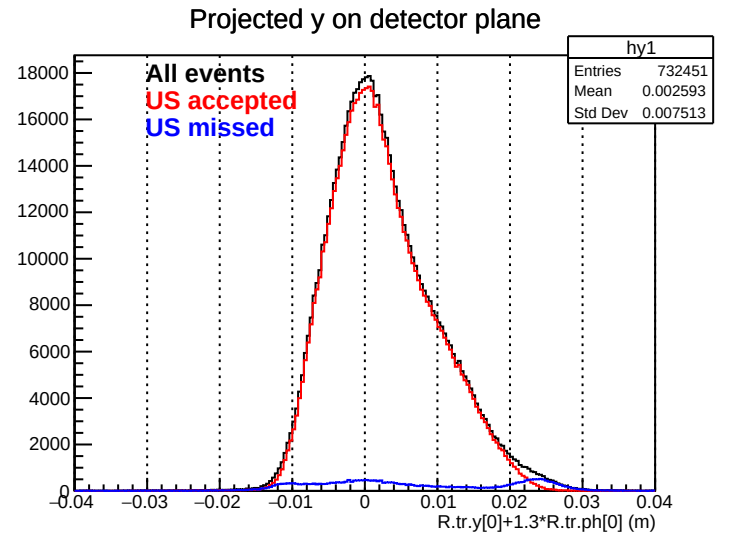

Asymmetry (ppm), xCut = -0.076 m
Asym
Entries 732466
Mean 0.5727
Std Dev 0.07547
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

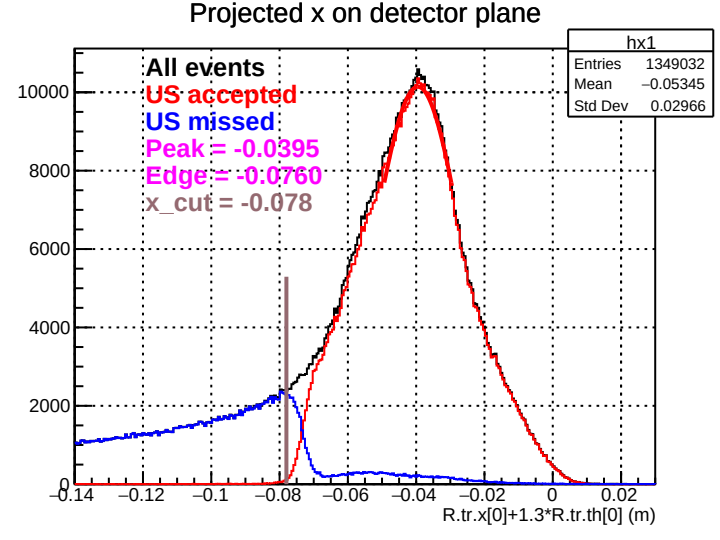

Stretched Asym. (ppm), xCut = -0.076 m
SAsym
Entries 732466
Mean 0.5597
Std Dev 0.07178
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

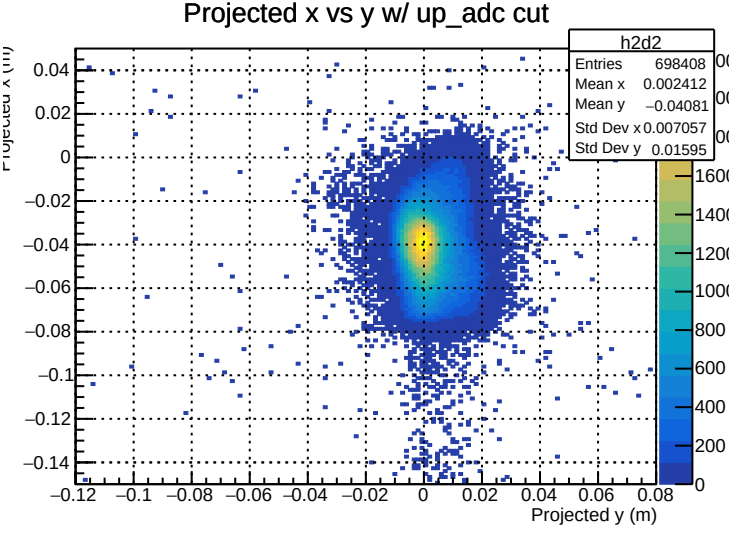

Q^2 (GeV/c)^2, xCut = -0.076 m
Q2
Entries 732466
Mean 0.006337
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

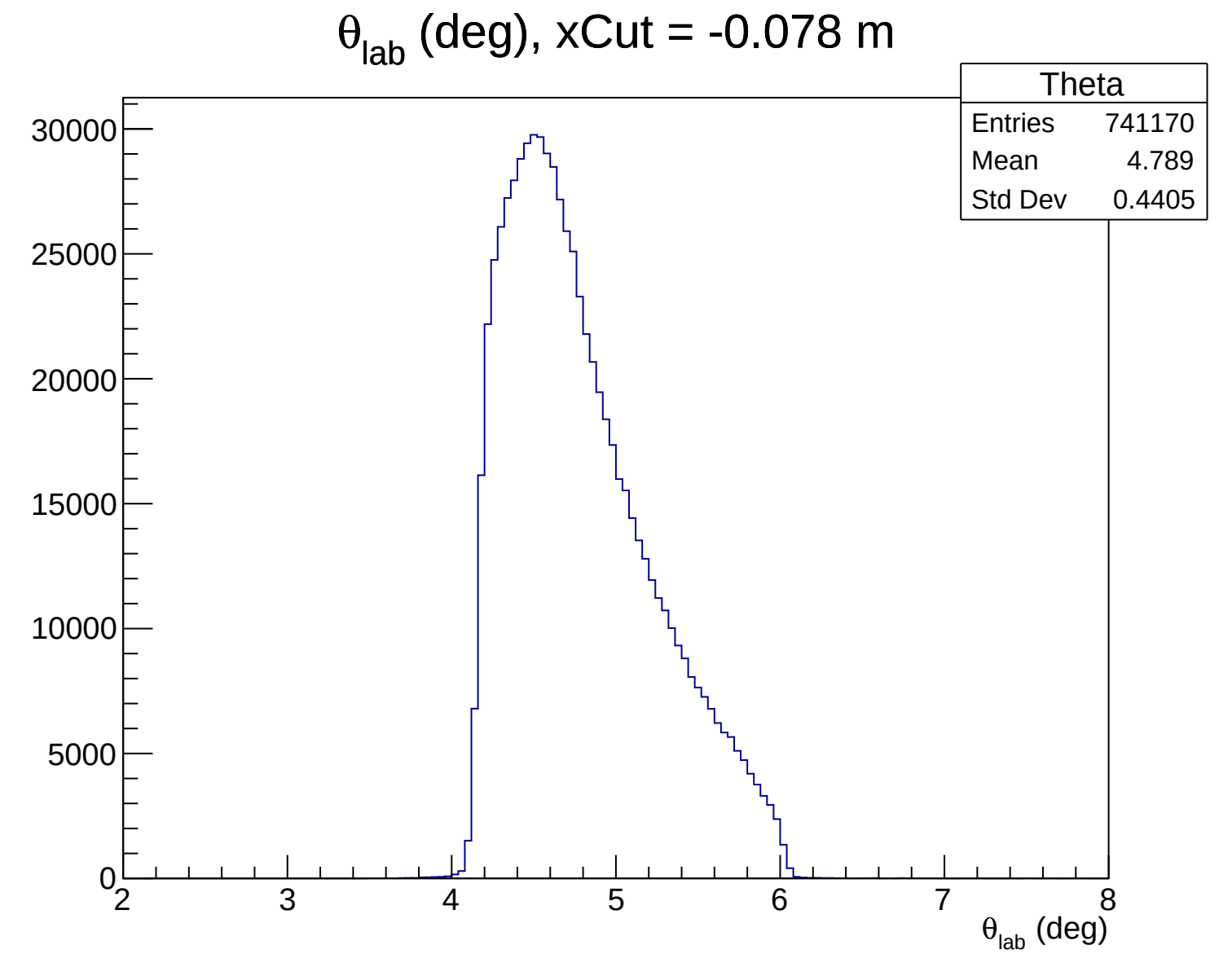

Sensitivity, xCut = -0.076 m
sens
Entries 732466
Mean 0.02231
Std Dev 0.003796
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

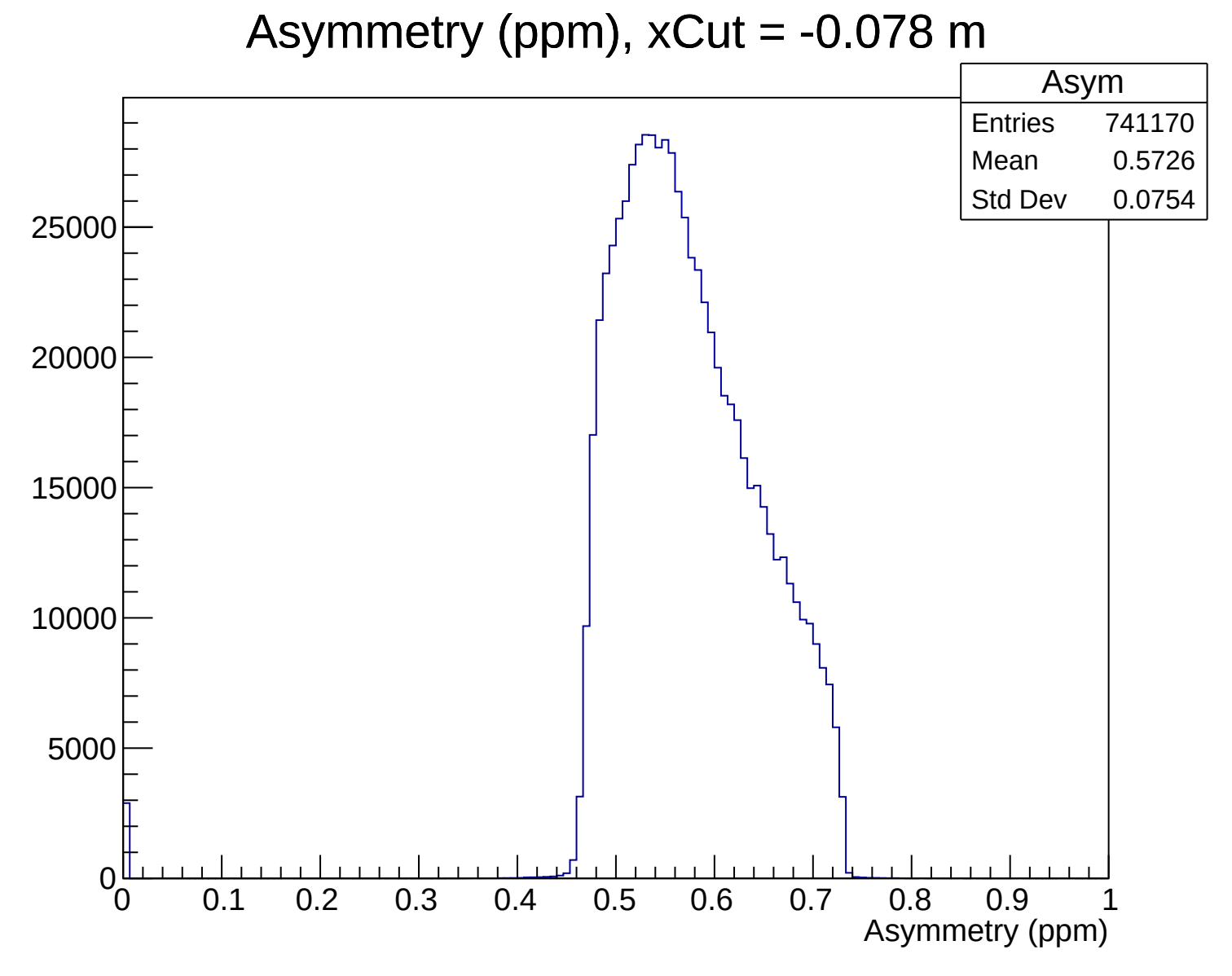

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

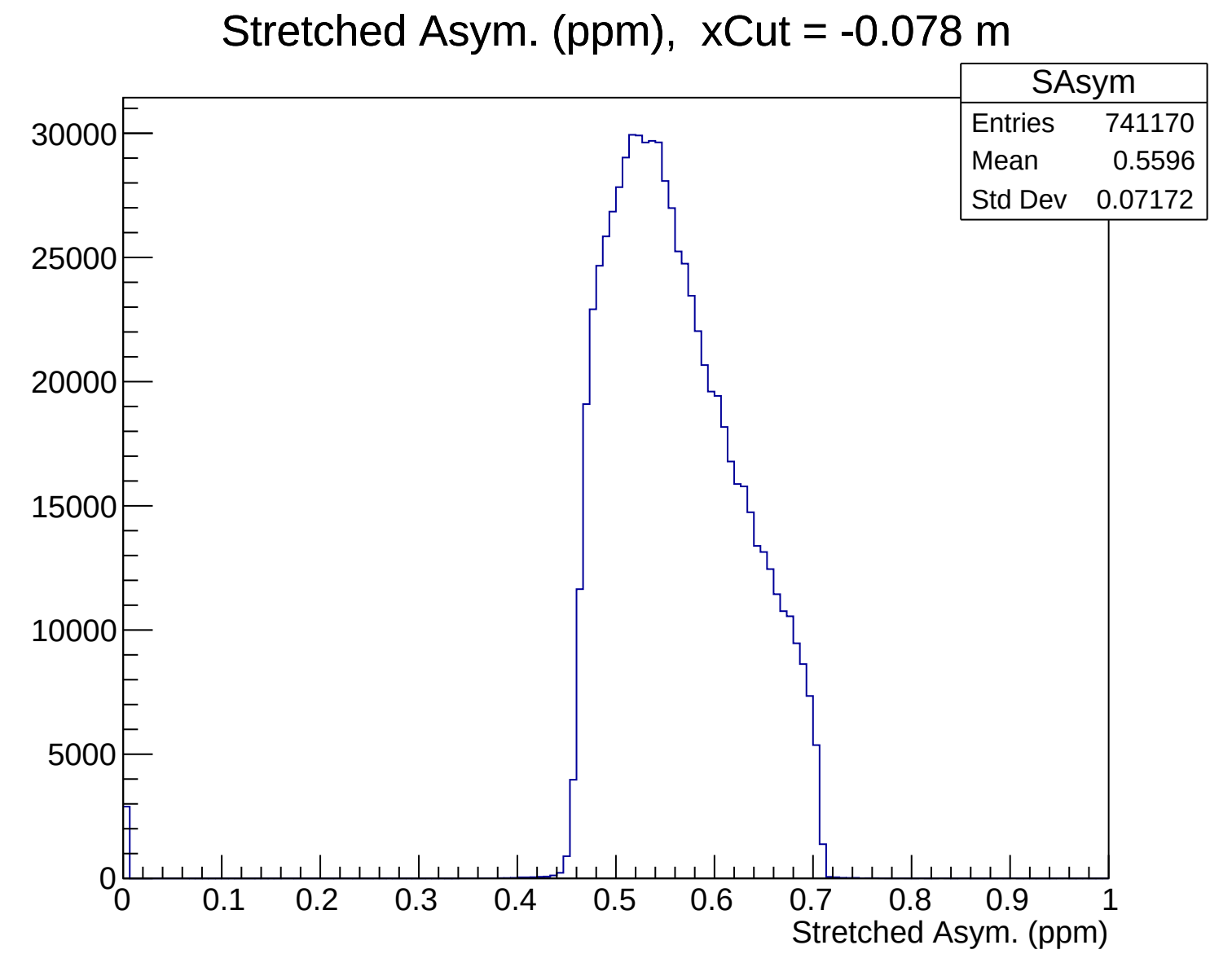

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

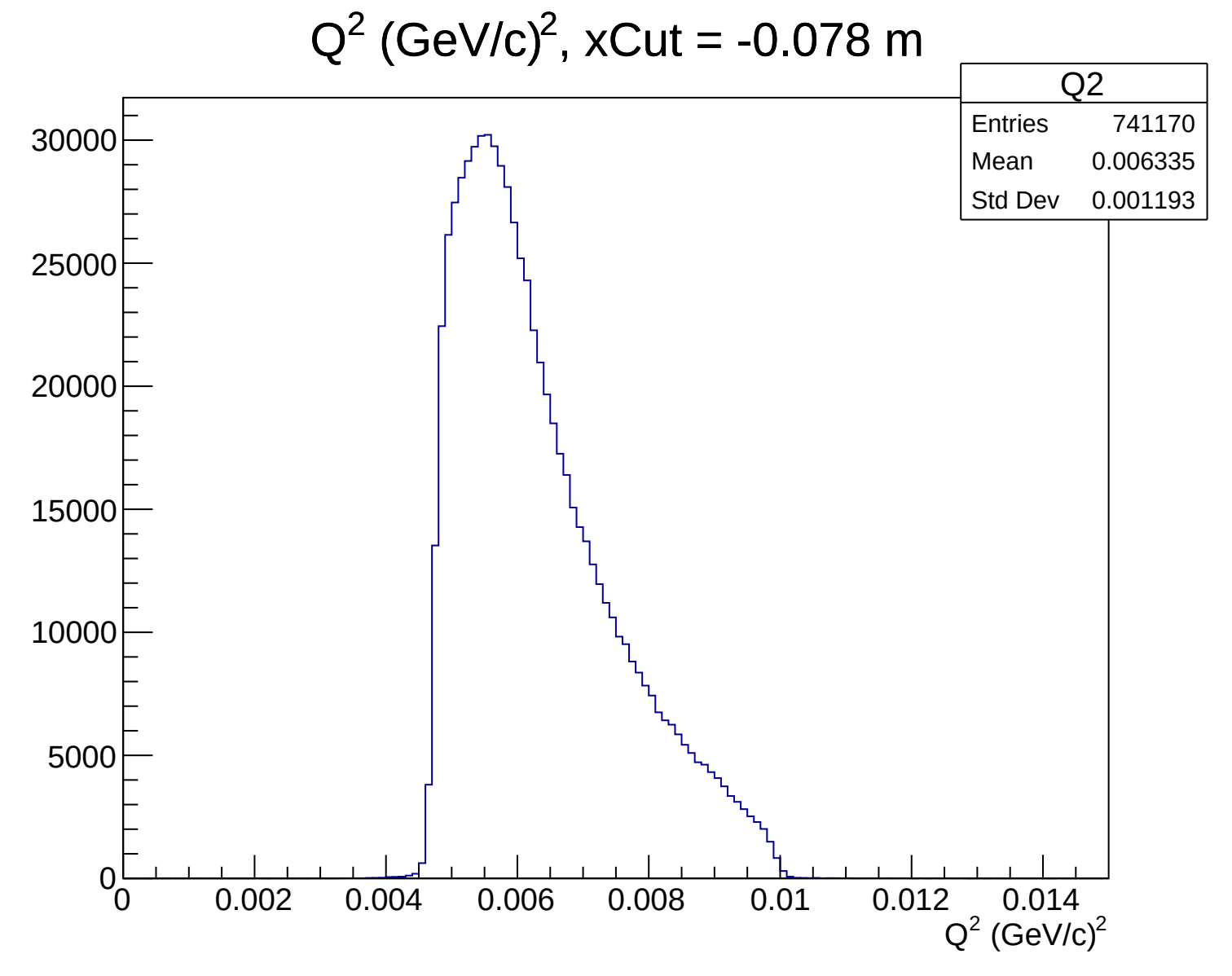

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.078
R.tr.x[0]+1.3*R.tr.th[0] (m)

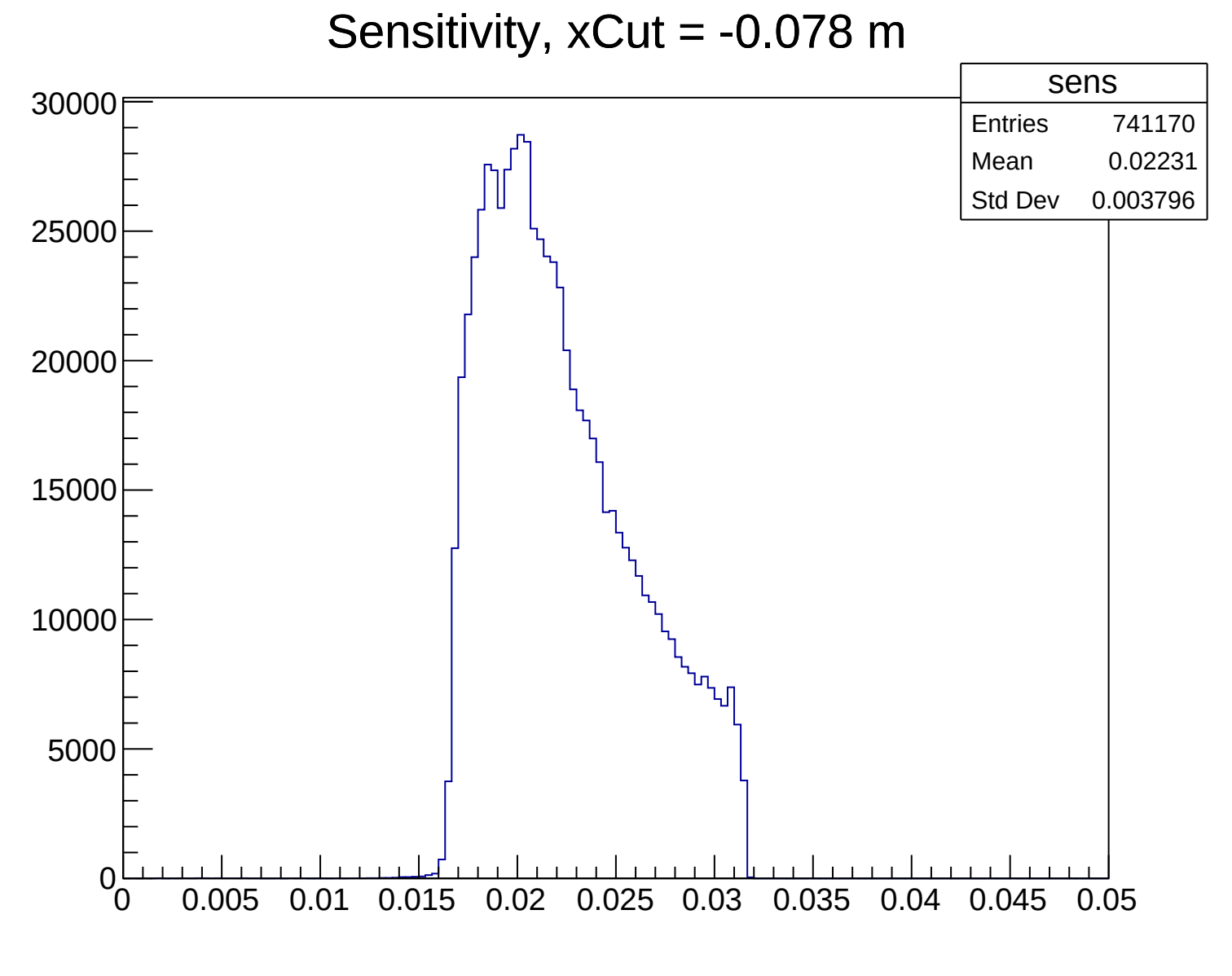

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

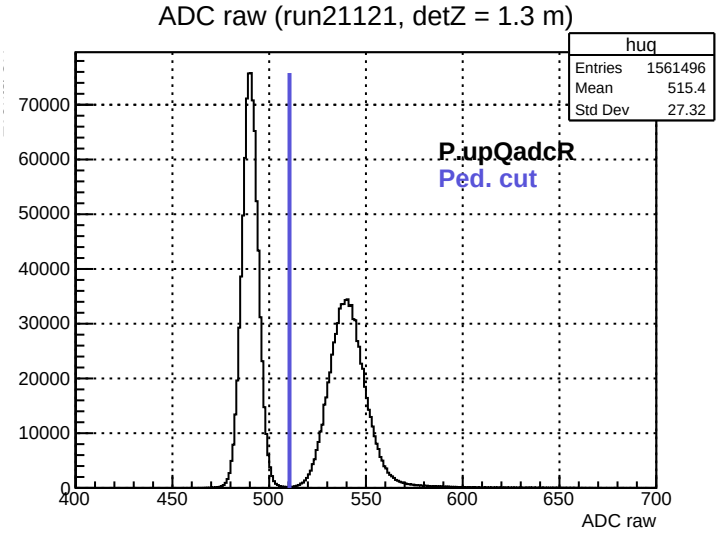

θlab (deg), xCut = -0.078 m
Theta
Entries 741170
Mean 4.789
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

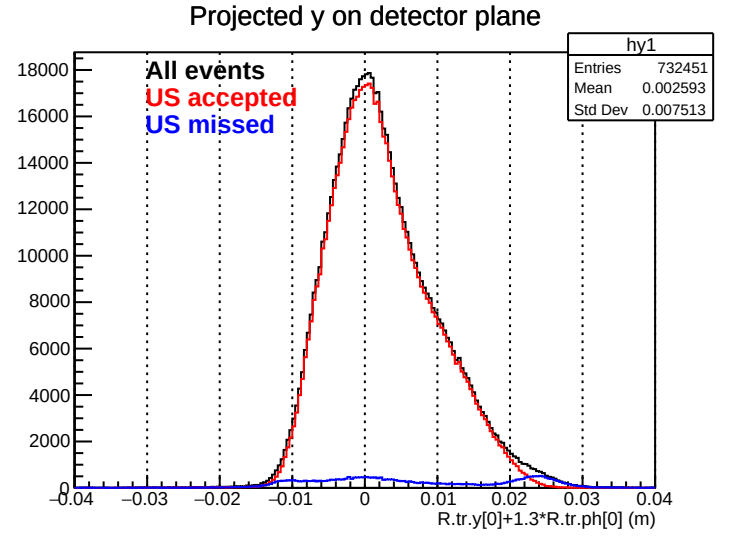

Asymmetry (ppm), xCut = -0.078 m
Asym
Entries 741170
Mean 0.5726
Std Dev 0.0754
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

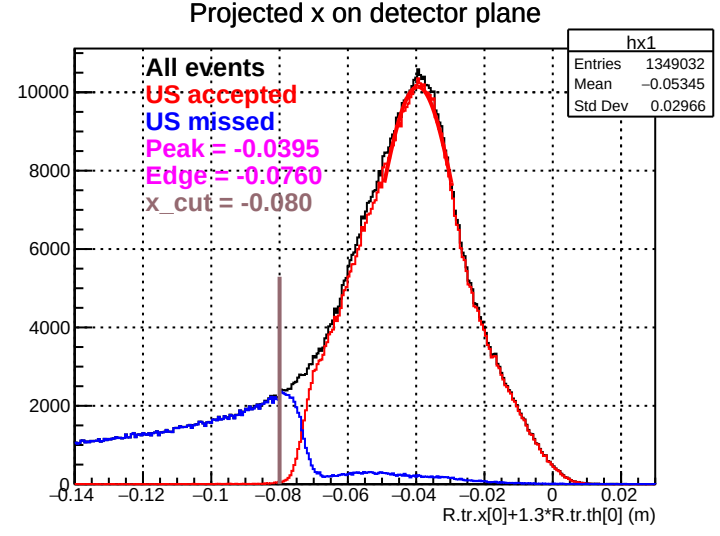

Stretched Asym. (ppm), xCut = -0.078 m
SAsym
Entries 741170
Mean 0.5596
Std Dev 0.07172
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

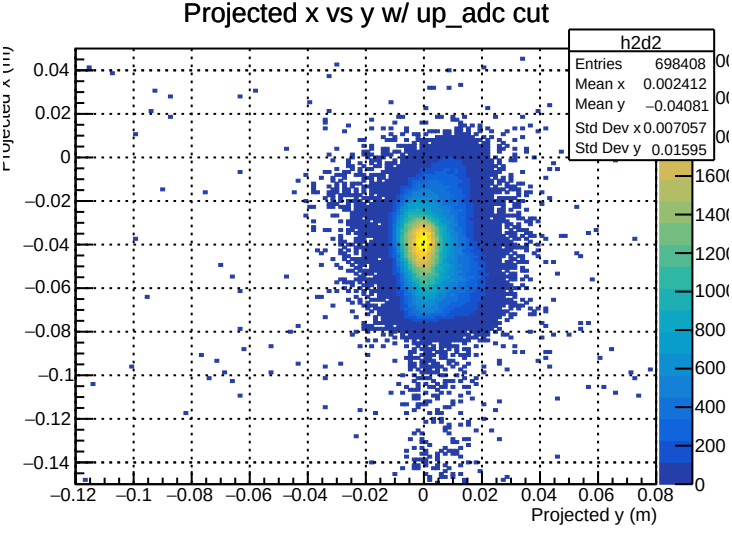

Q^2 (GeV/c)^2, xCut = -0.078 m
Q2
Entries 741170
Mean 0.006335
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

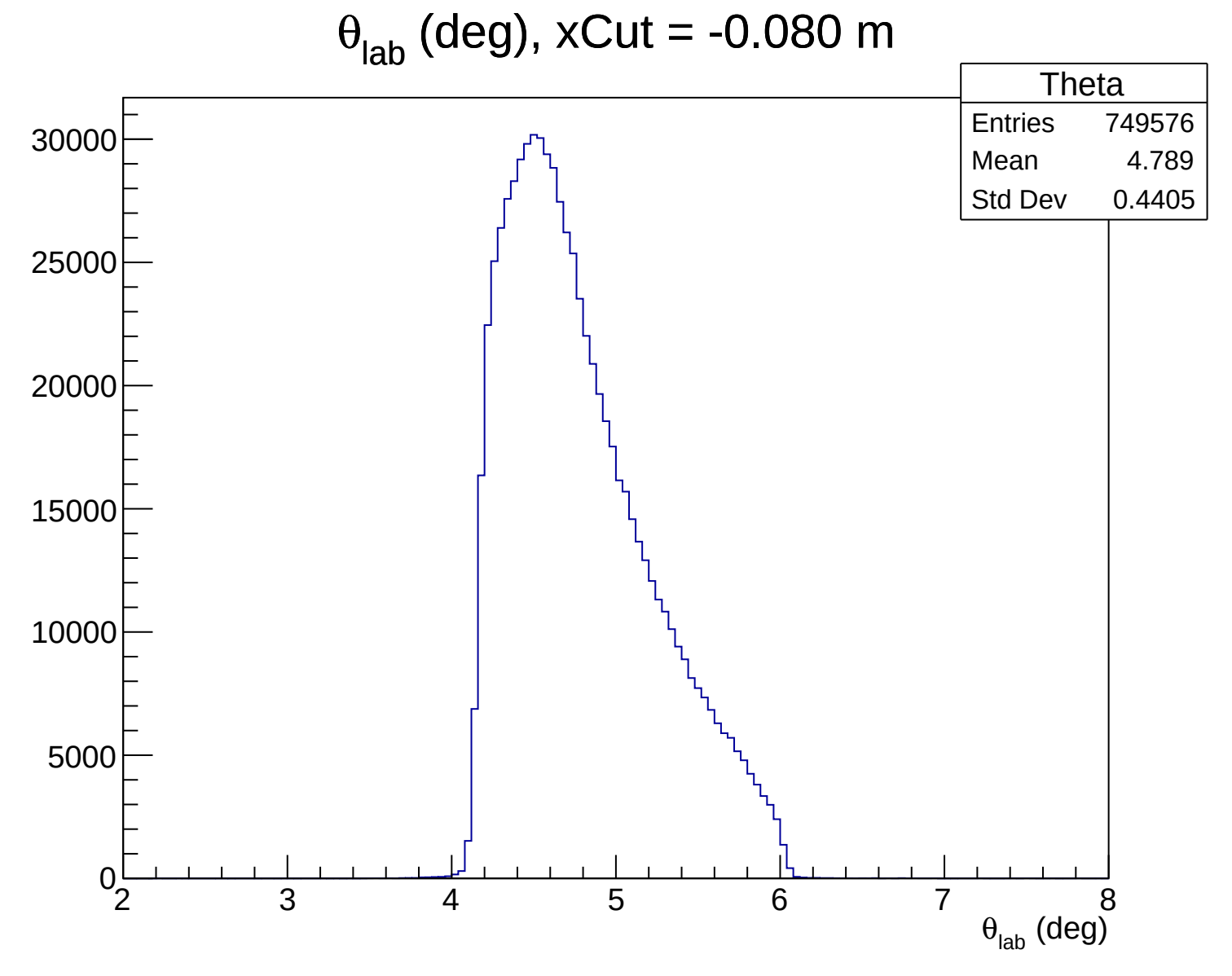

Sensitivity, xCut = -0.078 m
sens
Entries 741170
Mean 0.02231
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

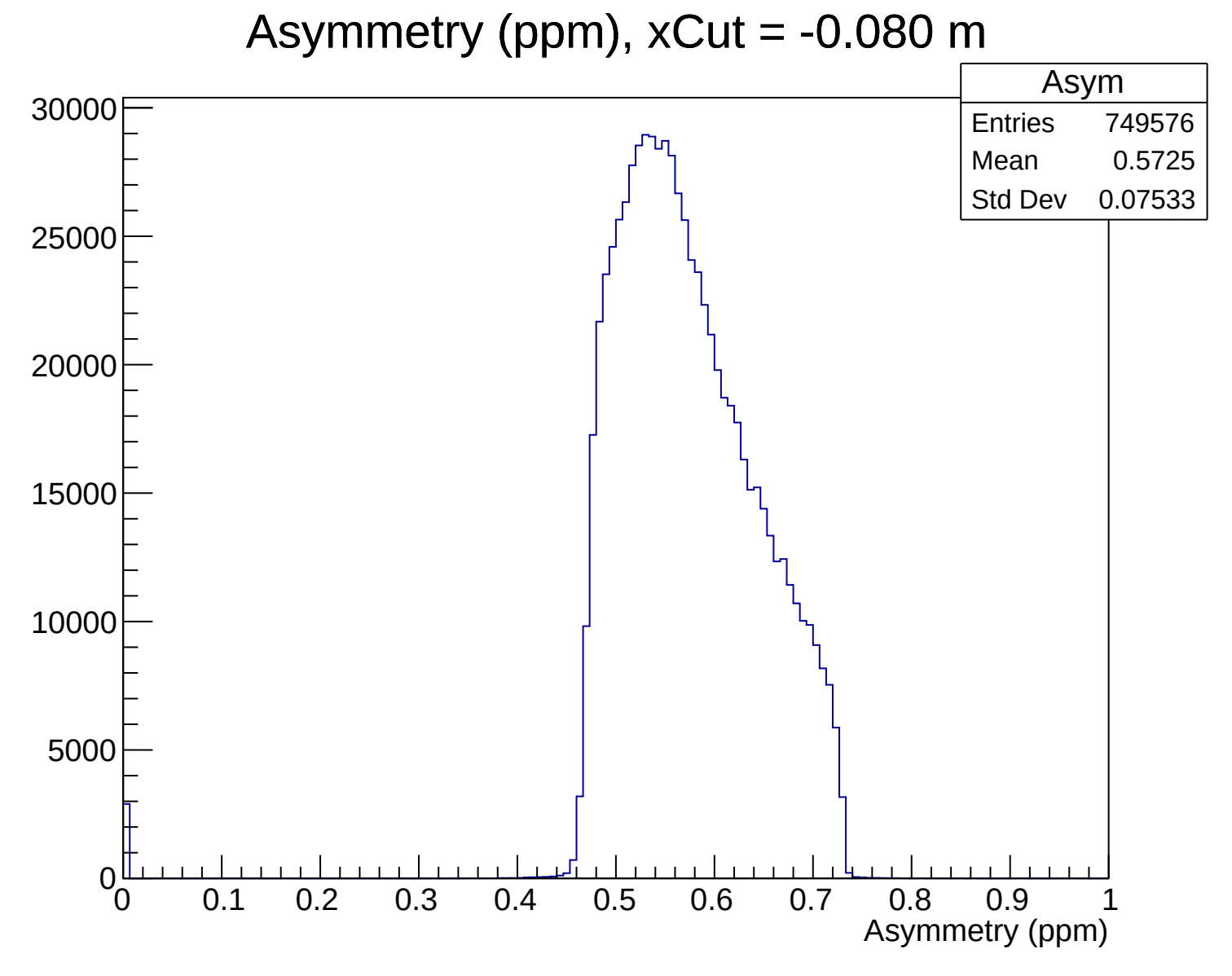

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

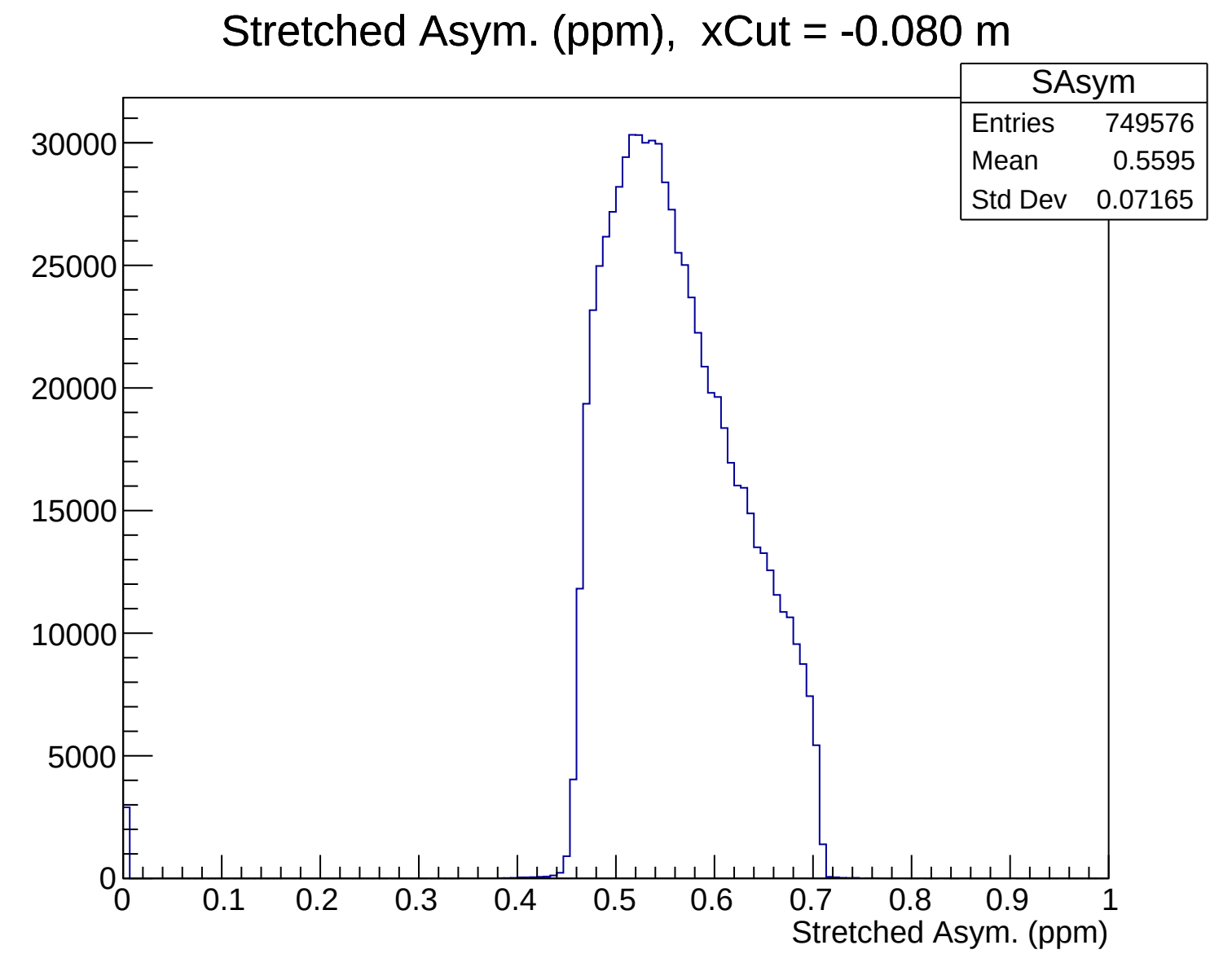

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

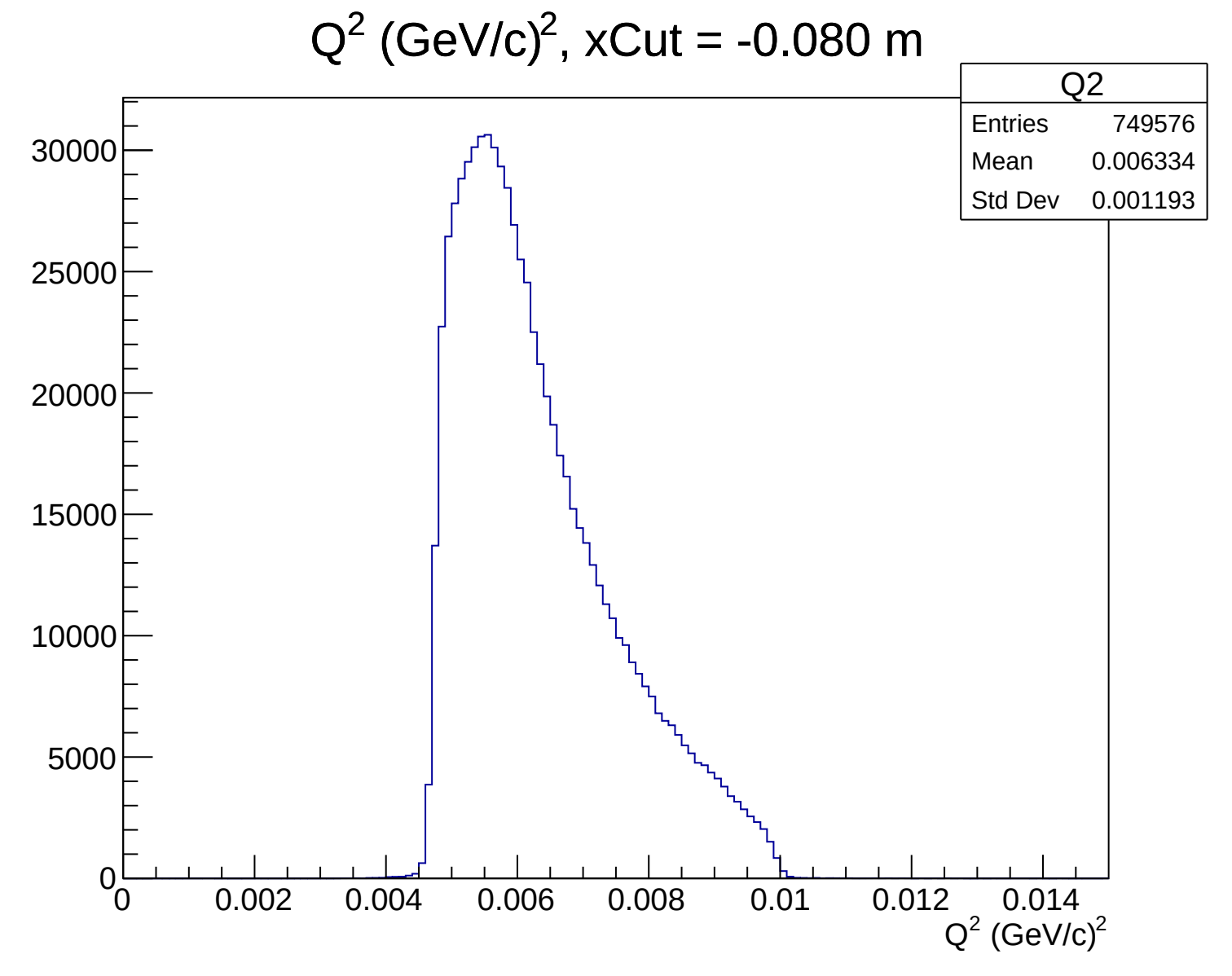

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.080
R.tr.x[0]+1.3*R.tr.th[0] (m)

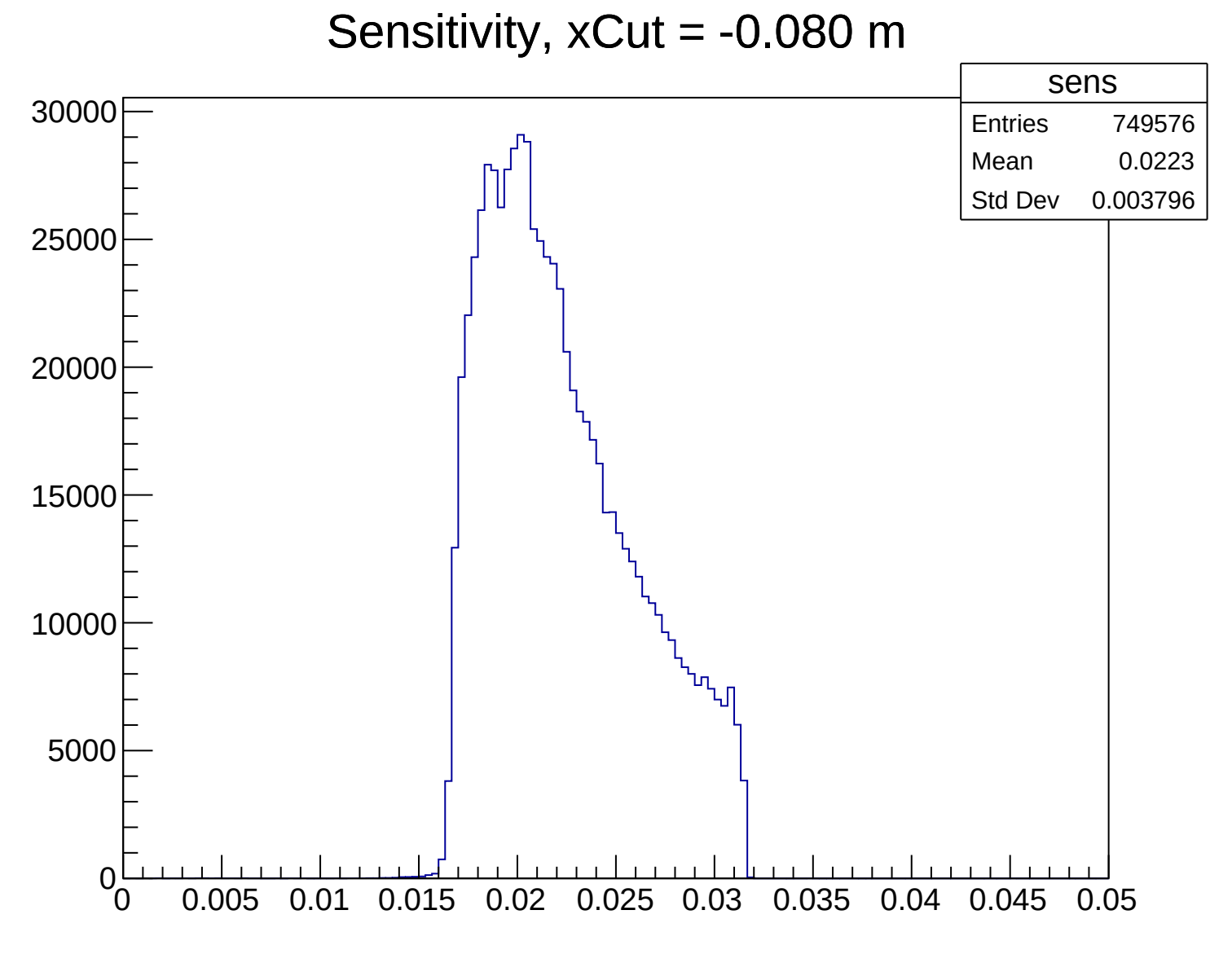

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

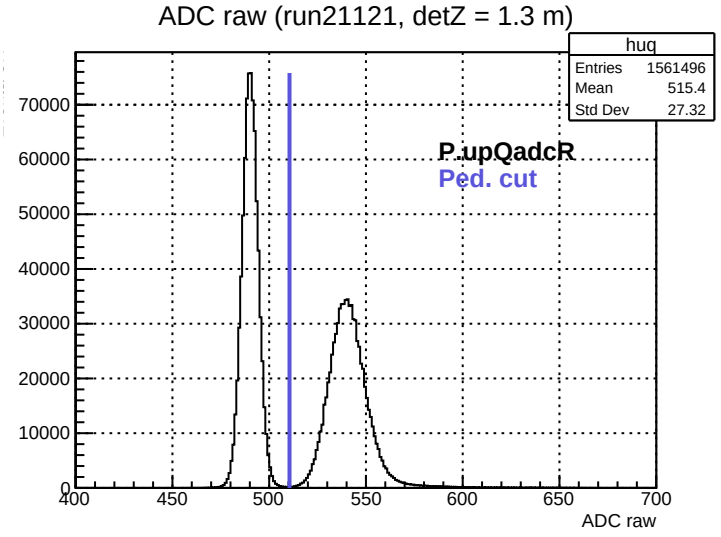

θlab (deg), xCut = -0.080 m
Theta
Entries 749576
Mean 4.789
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

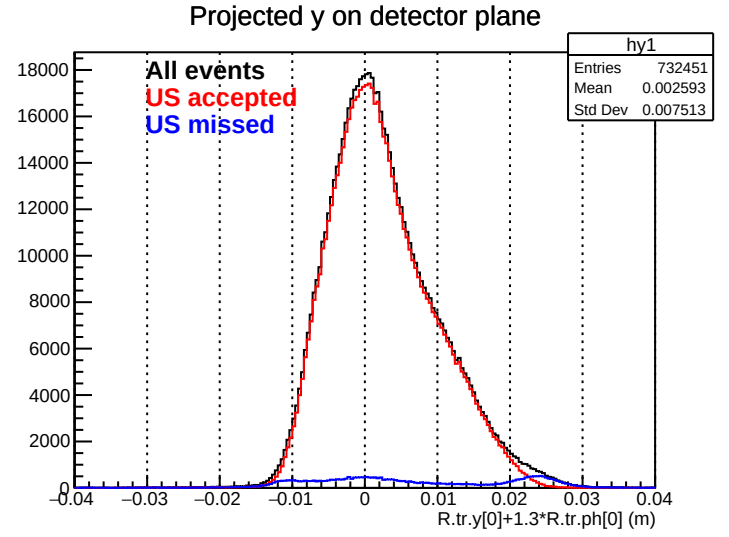

Asymmetry (ppm), xCut = -0.080 m
Asym
Entries 749576
Mean 0.5725
Std Dev 0.07533
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

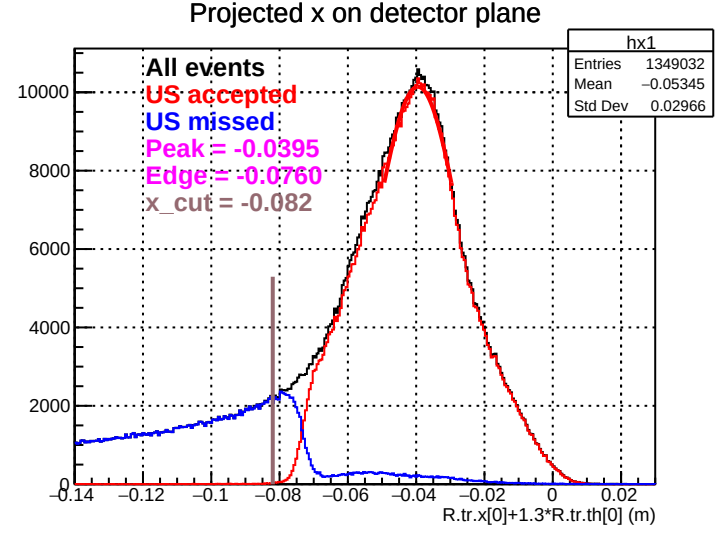

Stretched Asym. (ppm), xCut = -0.080 m
SAsym
Entries 749576
Mean 0.5595
Std Dev 0.07165
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

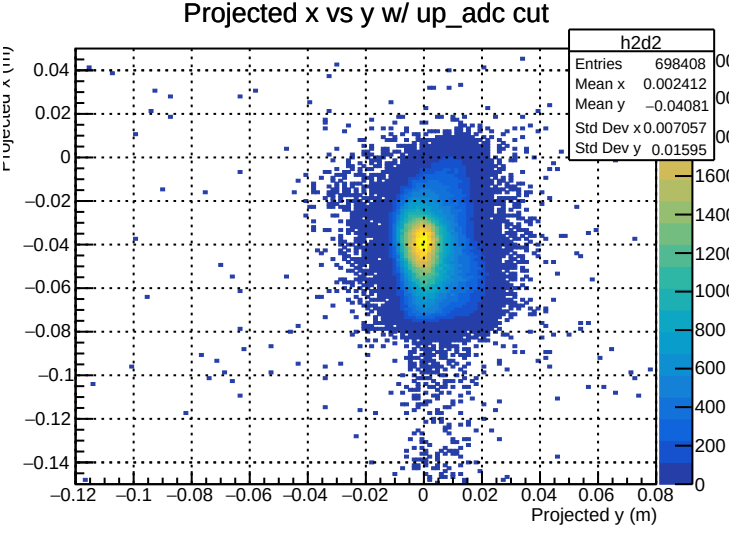

Q^2 (GeV/c)^2, xCut = -0.080 m
Q2
Entries 749576
Mean 0.006334
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

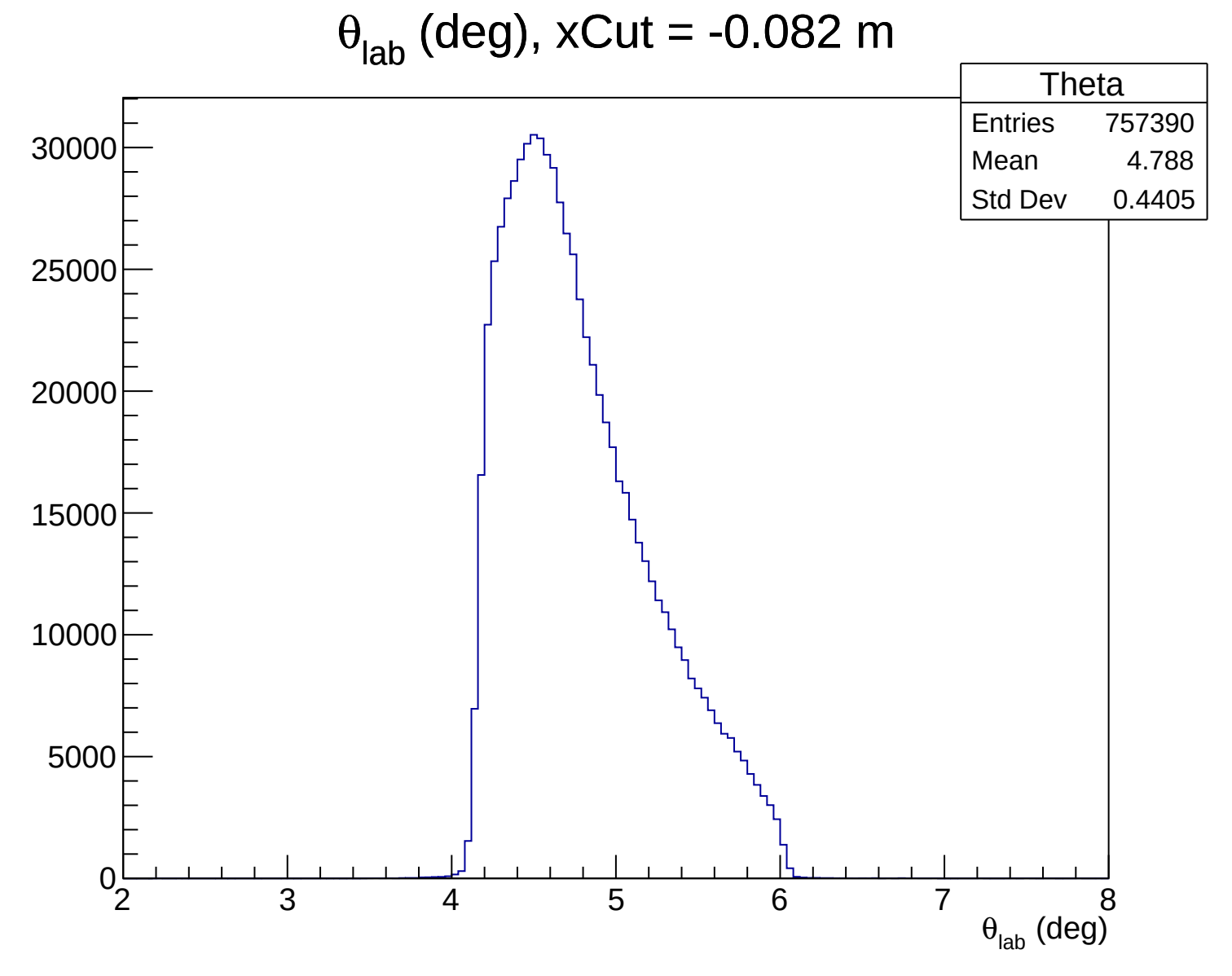

Sensitivity, xCut = -0.080 m
sens
Entries 749576
Mean 0.0223
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

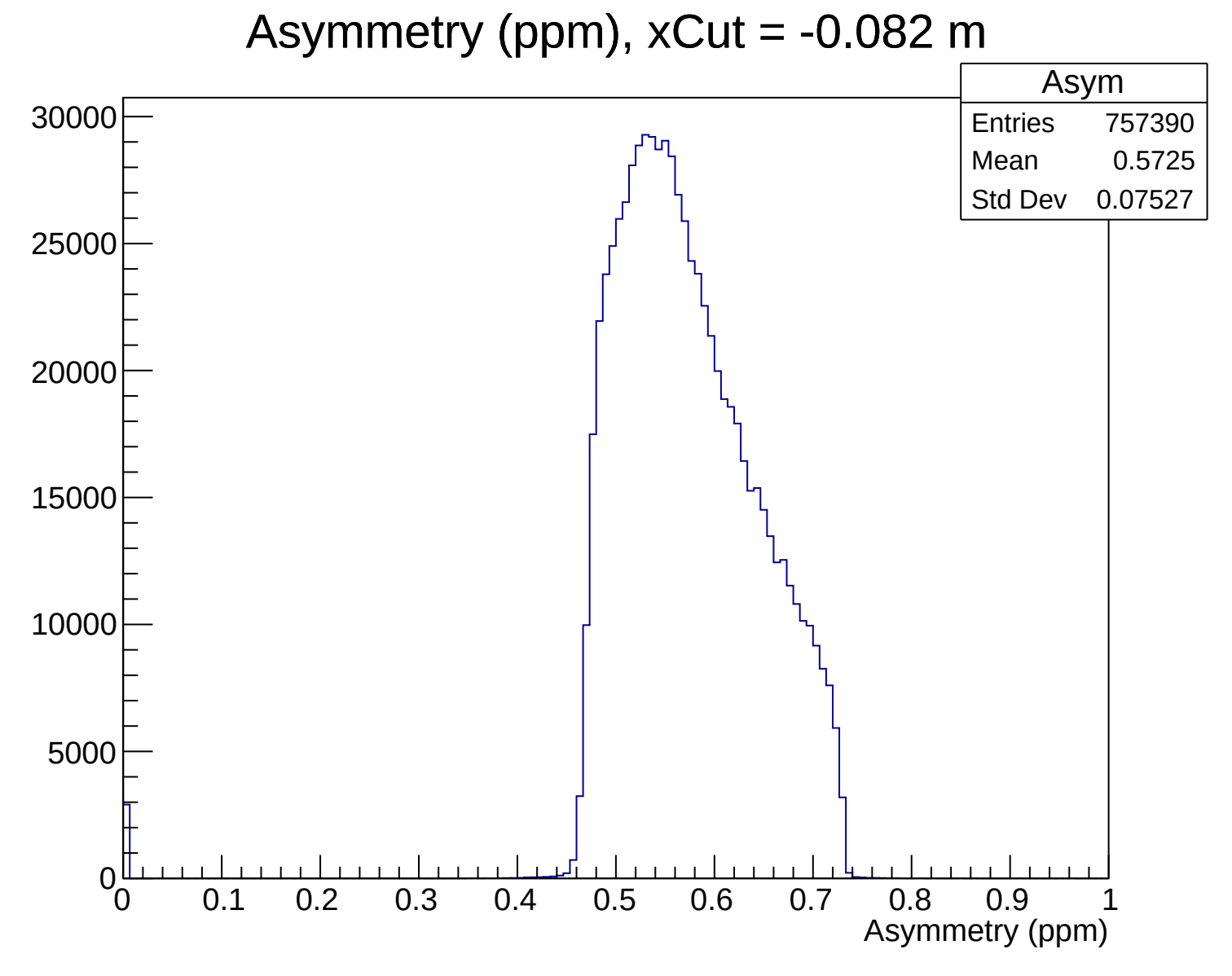

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

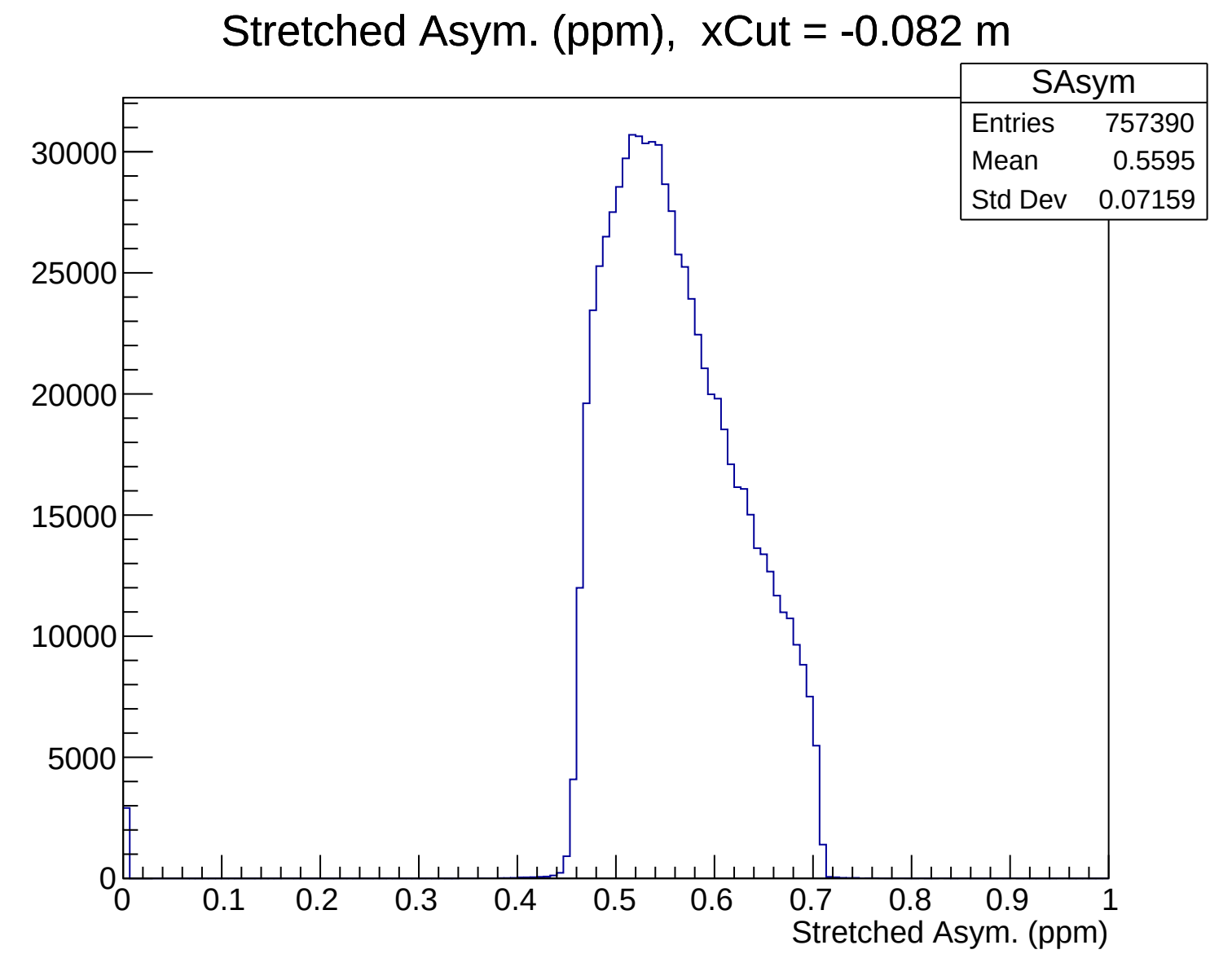

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

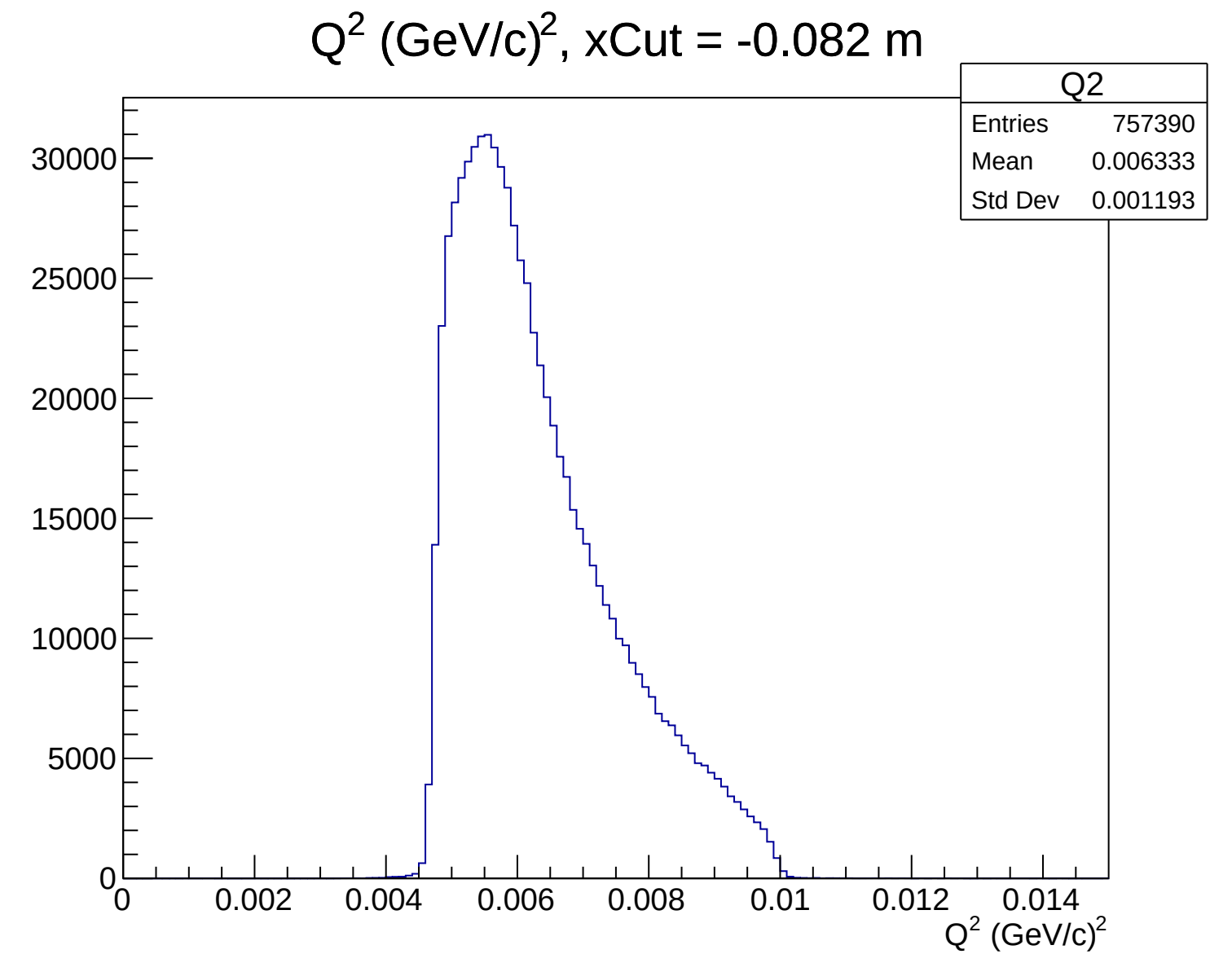

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.082
R.tr.x[0]+1.3*R.tr.th[0] (m)

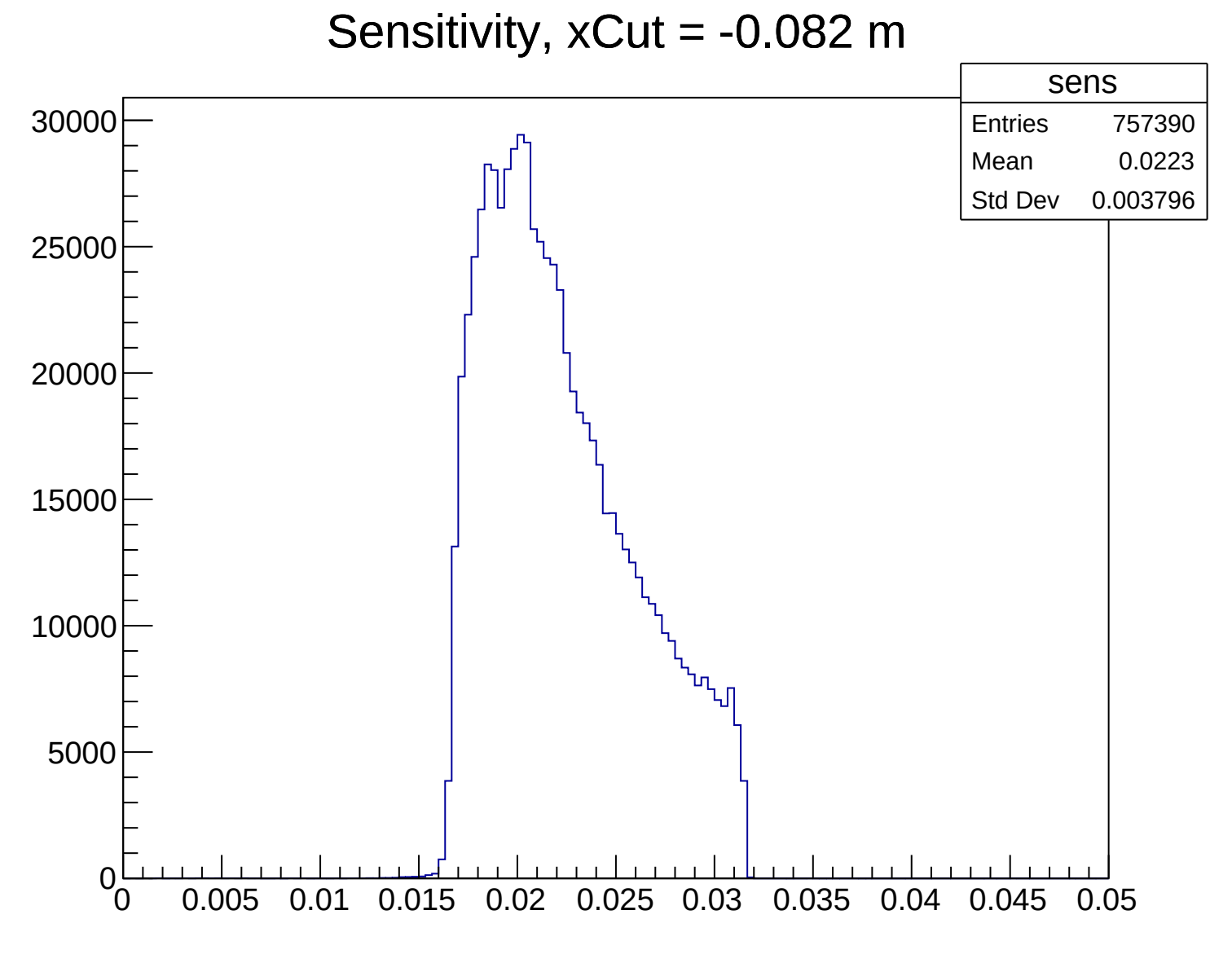

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

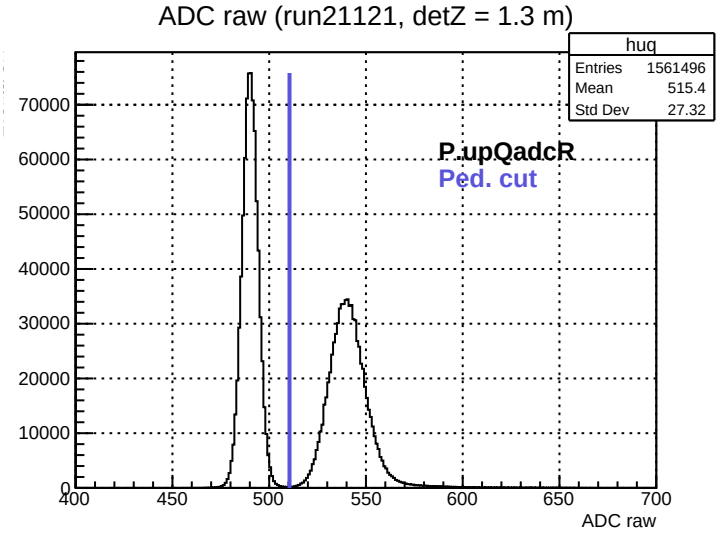

θlab (deg), xCut = -0.082 m
Theta
Entries 757390
Mean 4.788
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

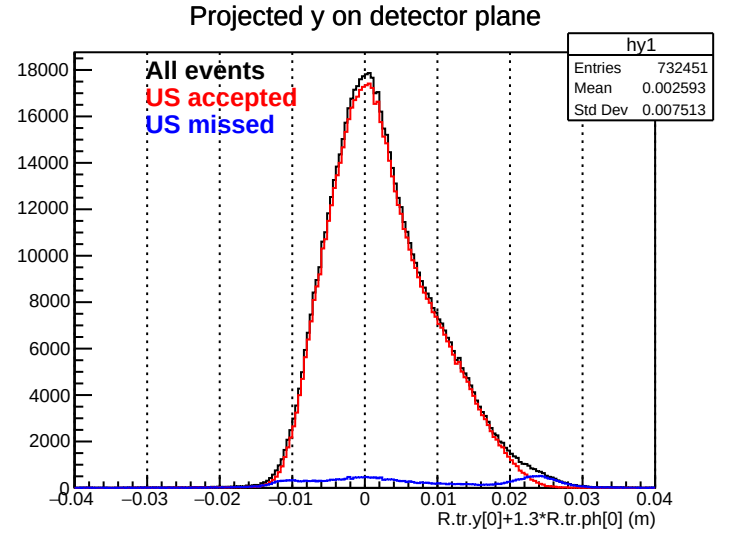

Asymmetry (ppm), xCut = -0.082 m
Asym
Entries 757390
Mean 0.5725
Std Dev 0.07527
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

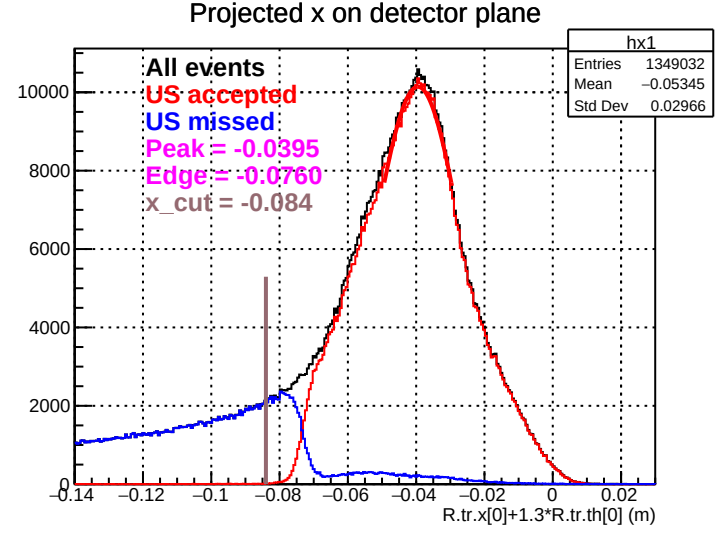

Stretched Asym. (ppm), xCut = -0.082 m
SAsym
Entries 757390
Mean 0.5595
Std Dev 0.07159
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

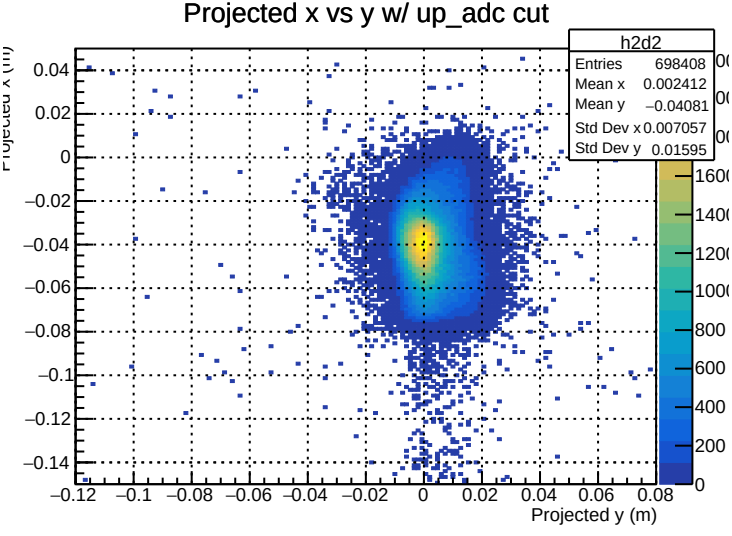

Q^2 (GeV/c)^2, xCut = -0.082 m
Q2
Entries 757390
Mean 0.006333
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

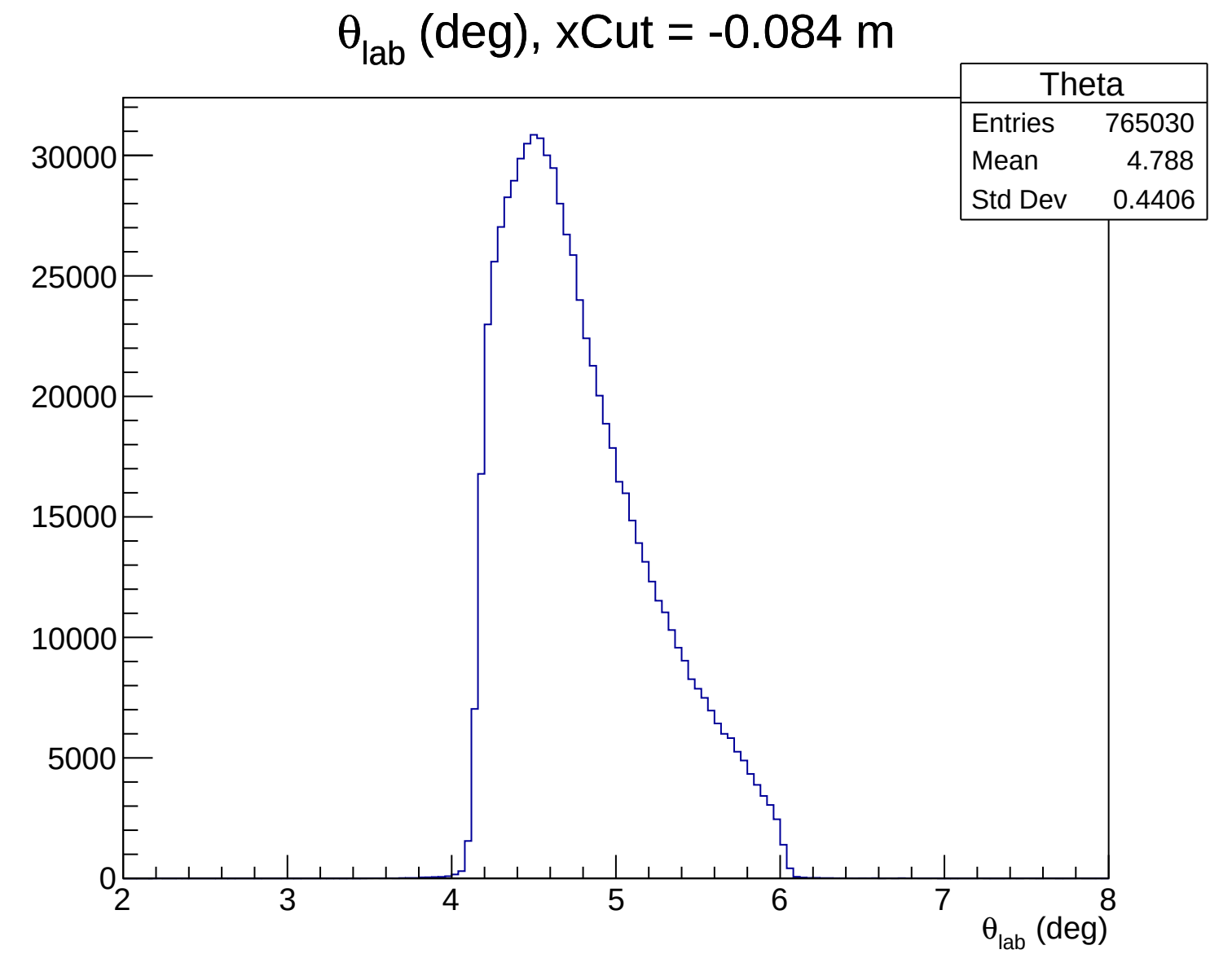

Sensitivity, xCut = -0.082 m
sens
Entries 757390
Mean 0.0223
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

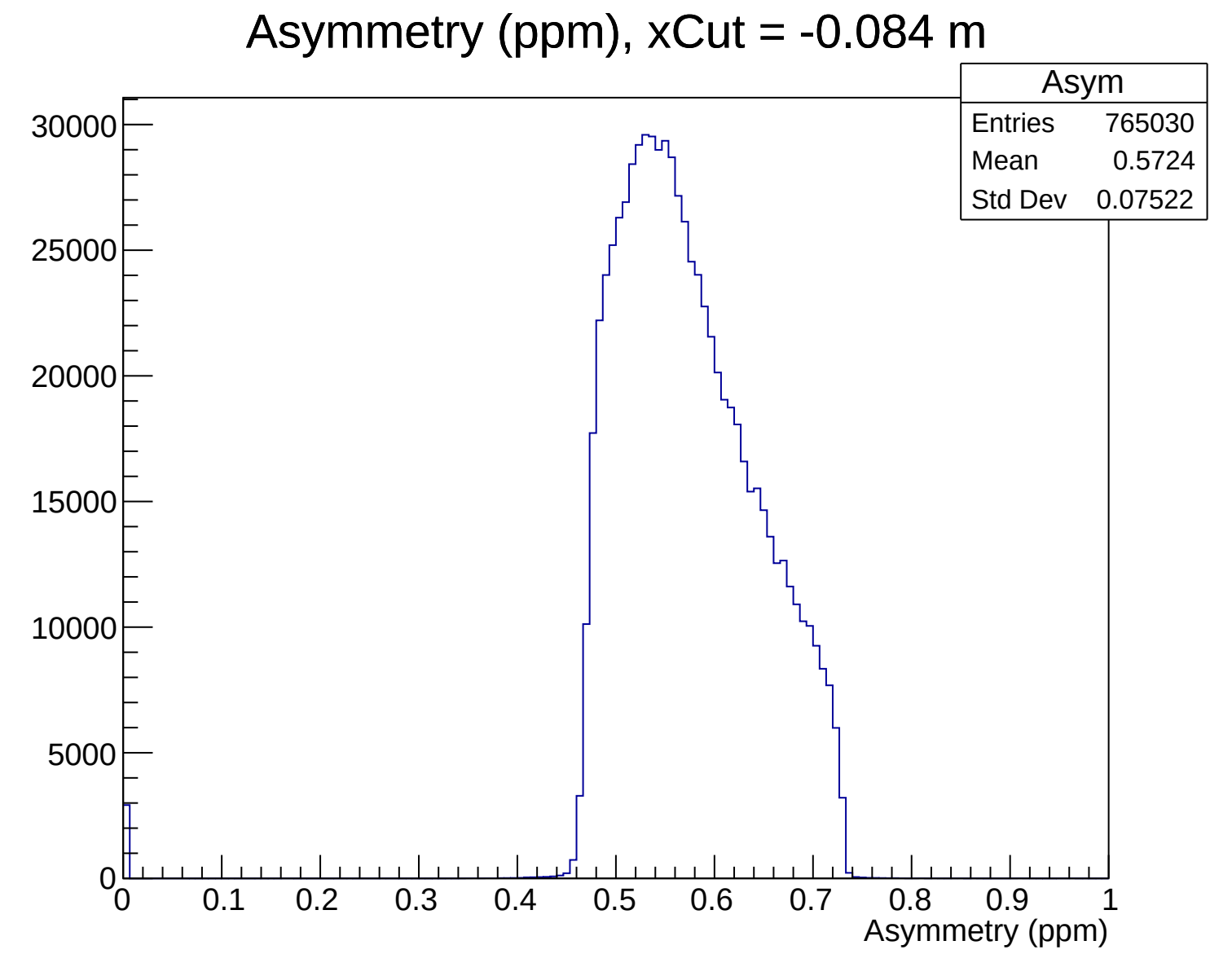

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

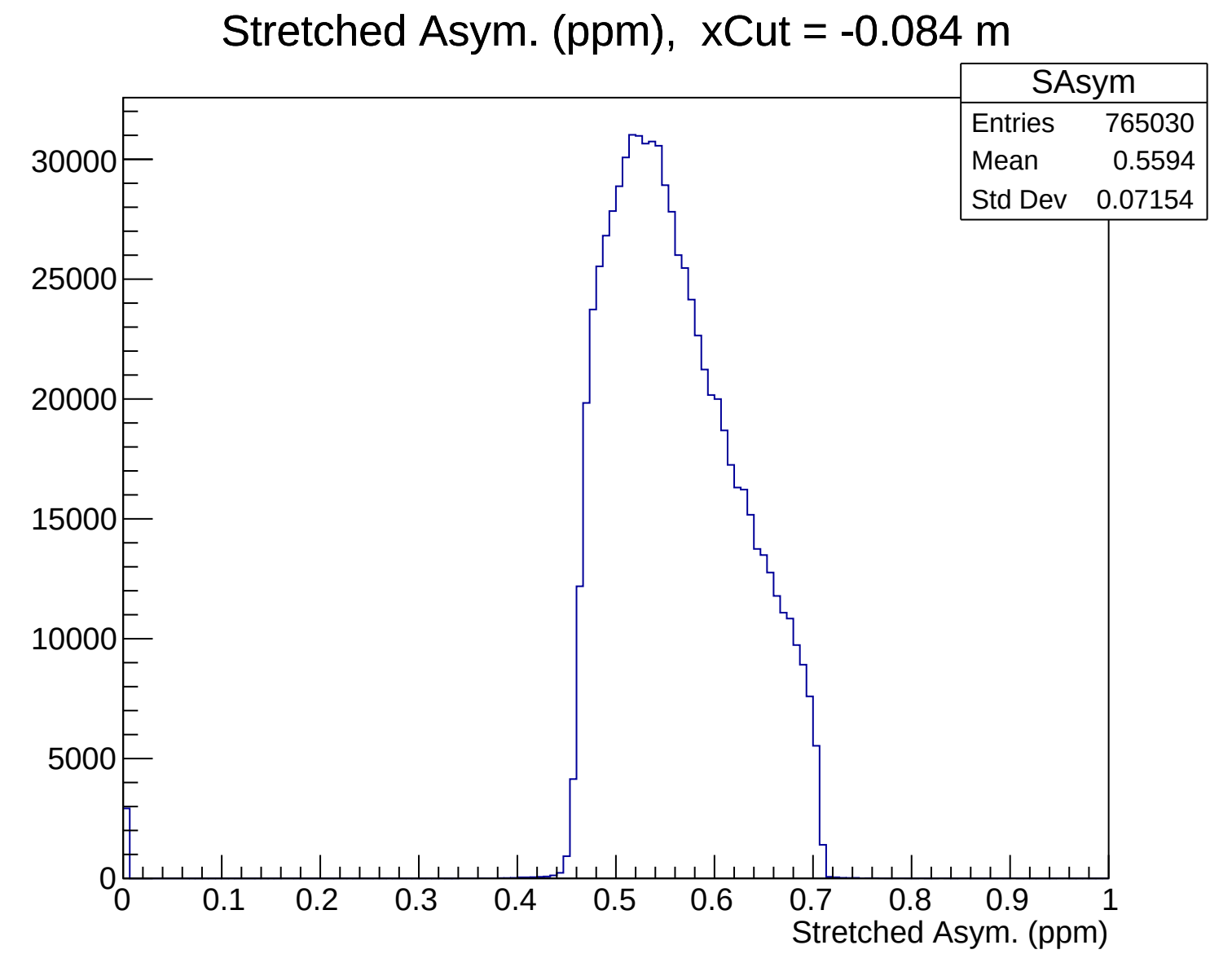

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

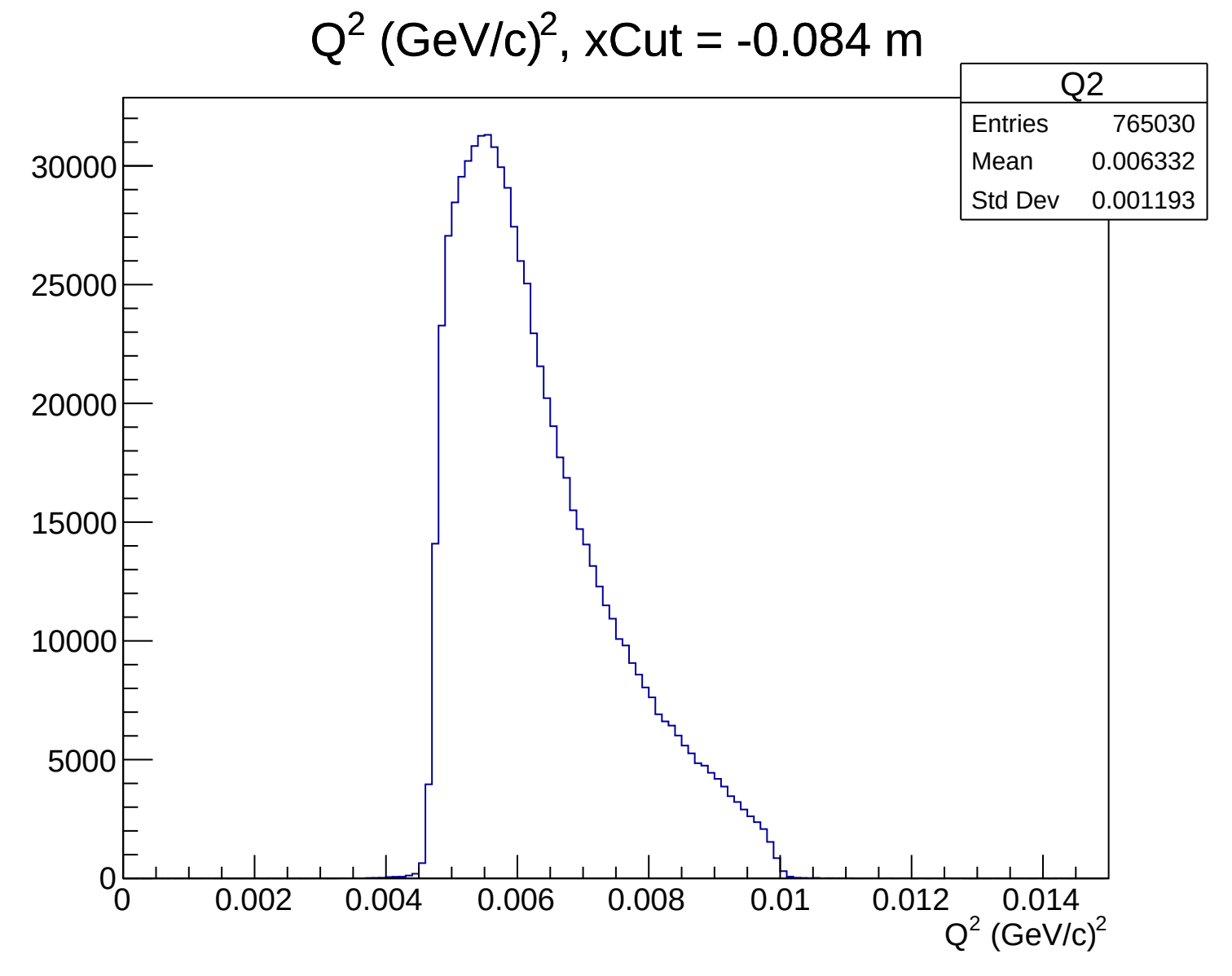

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.084
R.tr.x[0]+1.3*R.tr.th[0] (m)

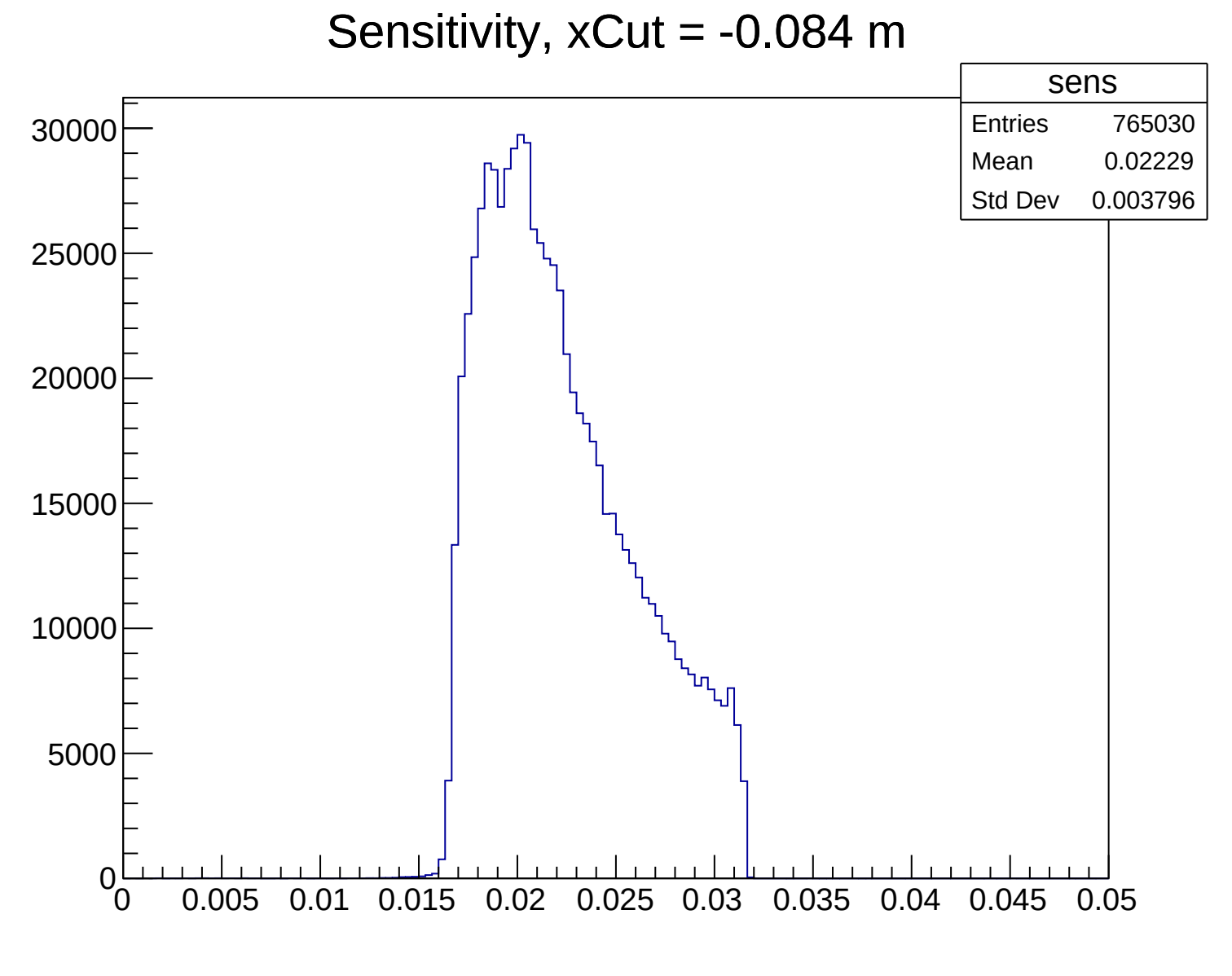

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

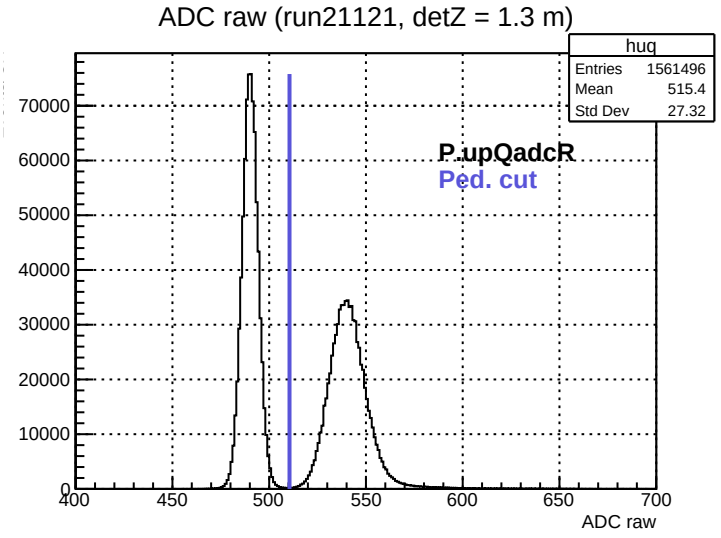

θlab (deg), xCut = -0.084 m
Theta
Entries 765030
Mean 4.788
Std Dev 0.4406
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

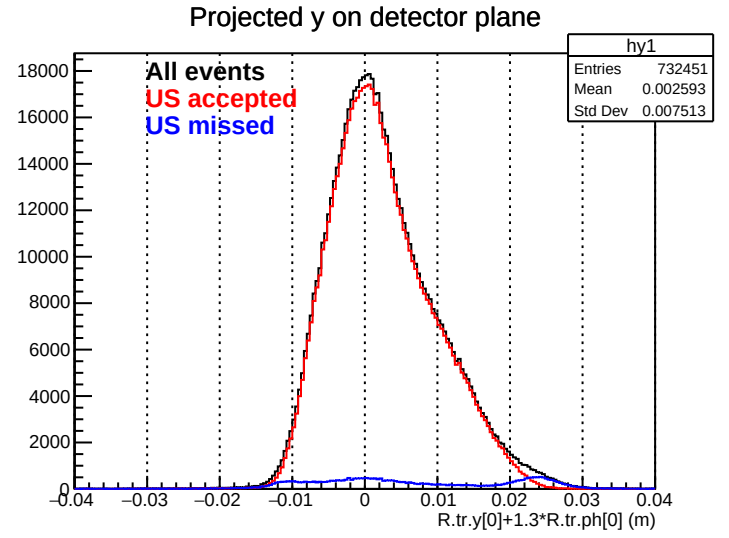

Asymmetry (ppm), xCut = -0.084 m
Asym
Entries 765030
Mean 0.5724
Std Dev 0.07522
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

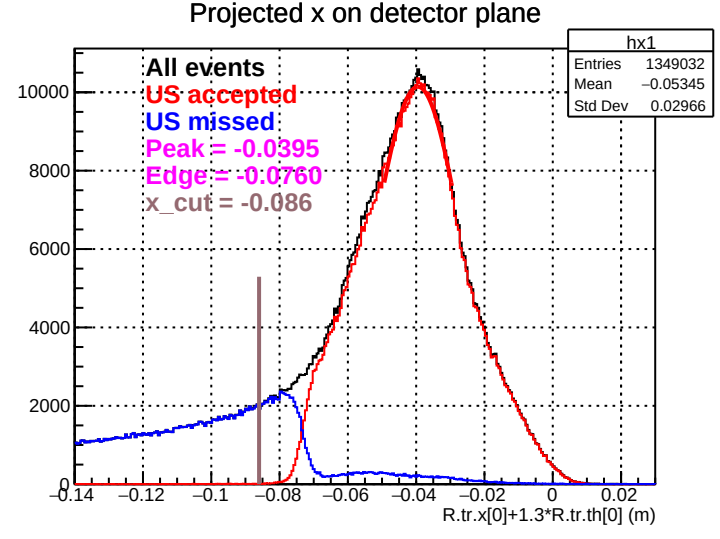

Stretched Asym. (ppm), xCut = -0.084 m
SAsym
Entries 765030
Mean 0.5594
Std Dev 0.07154
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

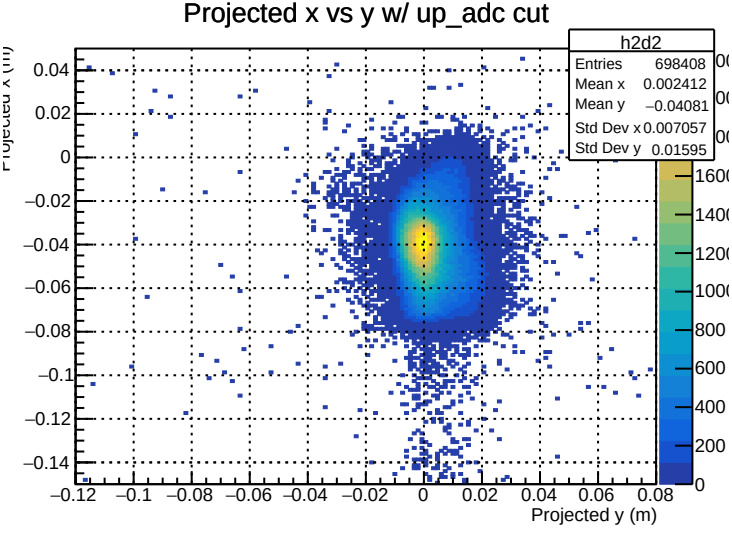

Q^2 (GeV/c)^2, xCut = -0.084 m
Q2
Entries 765030
Mean 0.006332
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

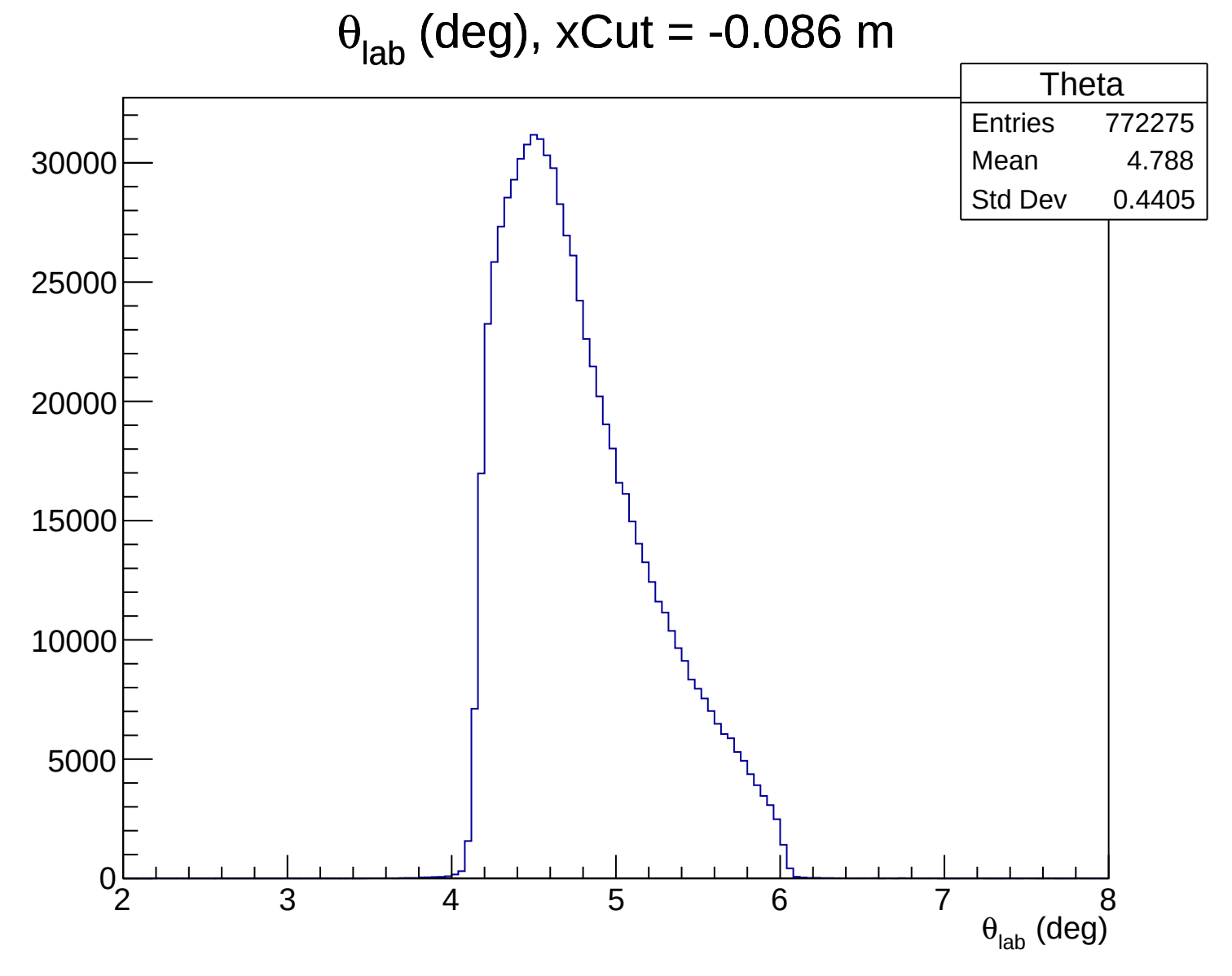

Sensitivity, xCut = -0.084 m
sens
Entries 765030
Mean 0.02229
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

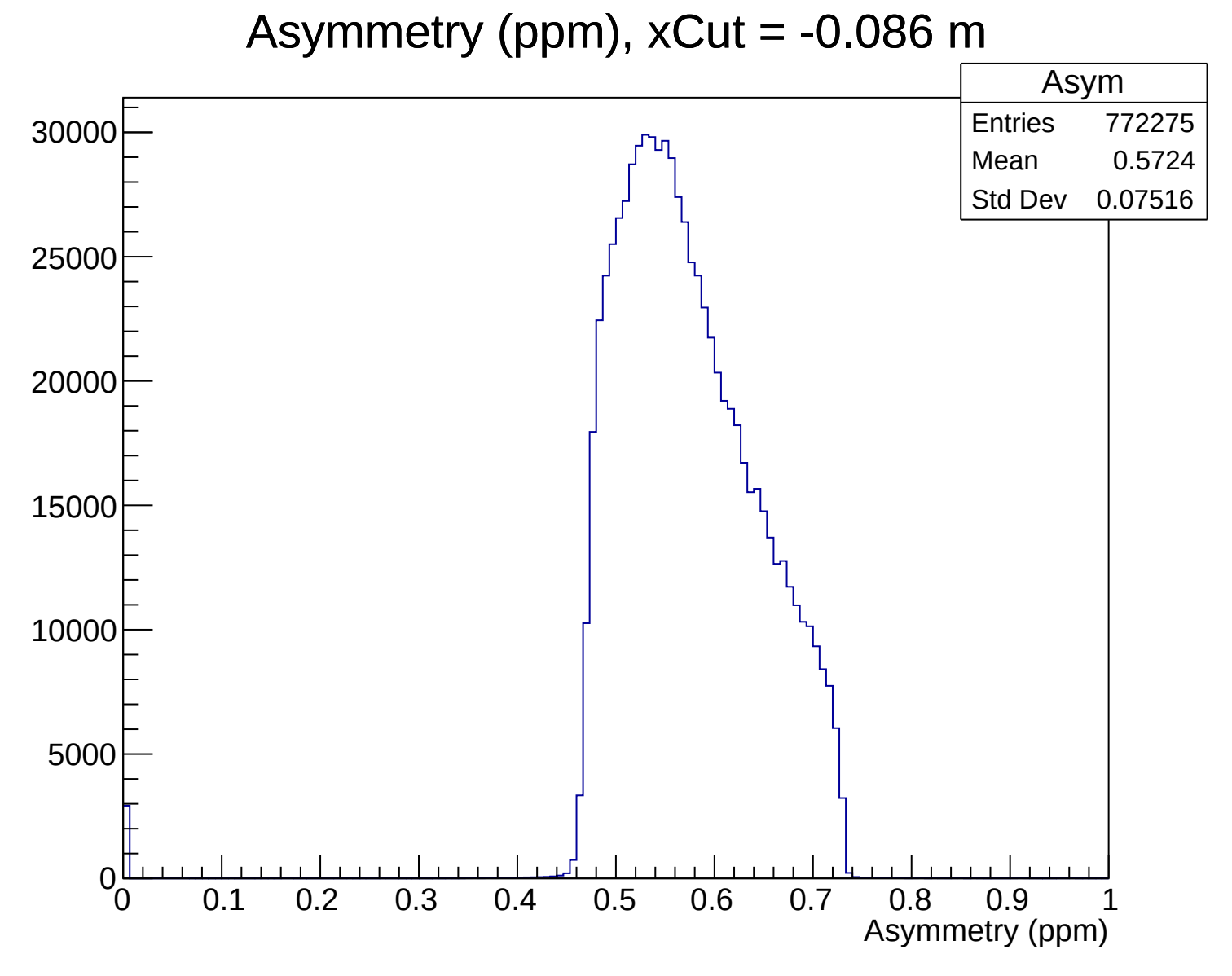

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

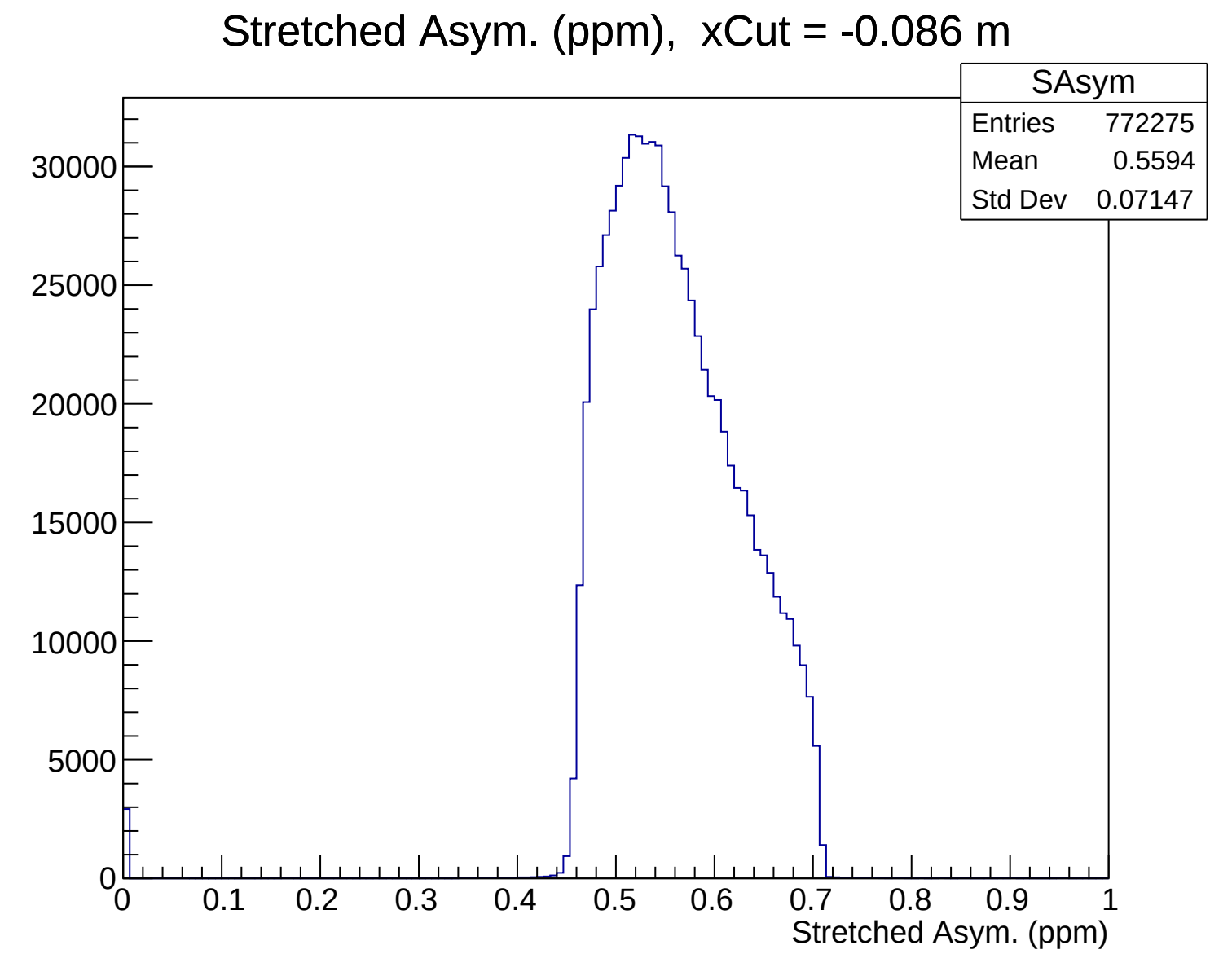

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

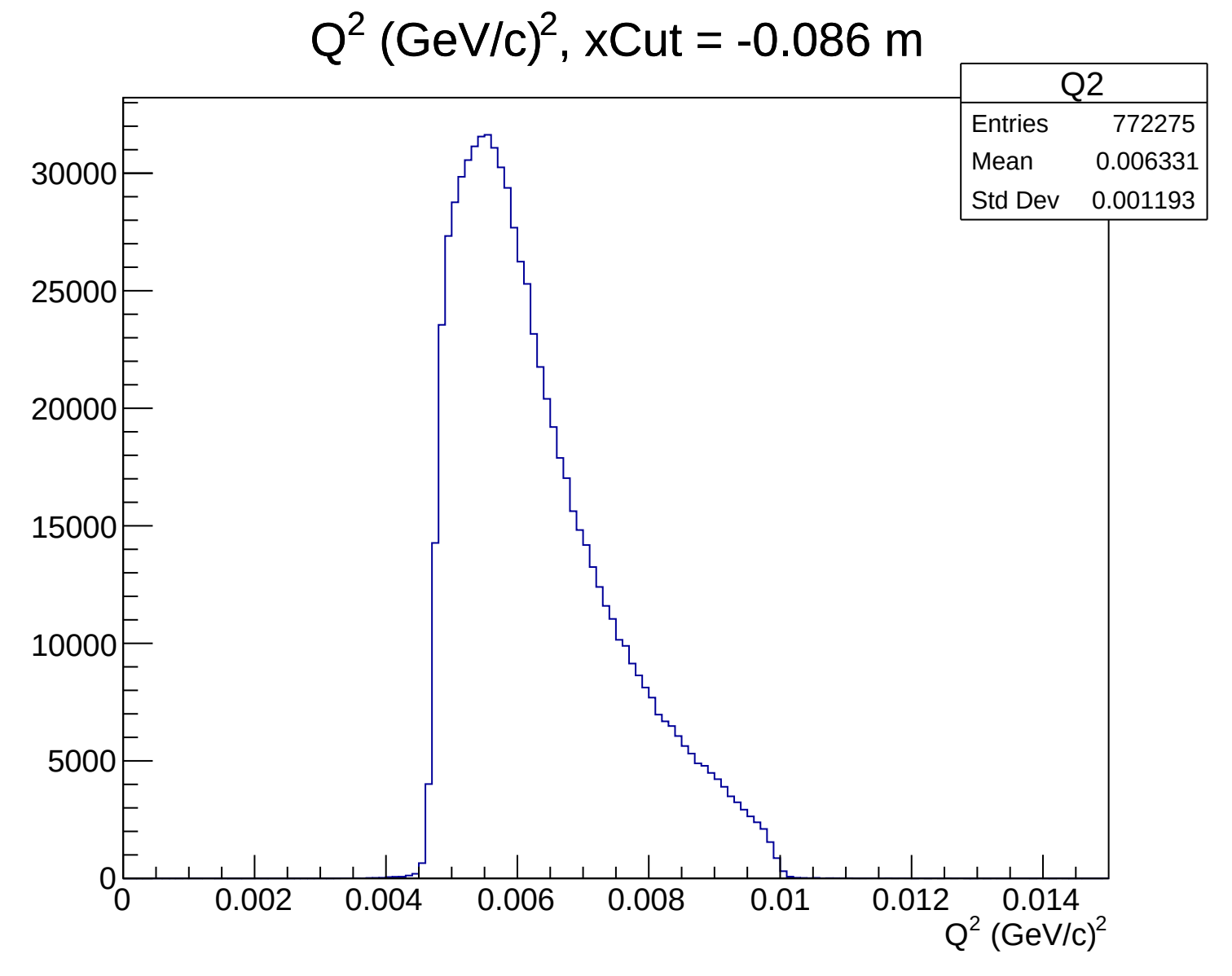

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.086
R.tr.x[0]+1.3*R.tr.th[0] (m)

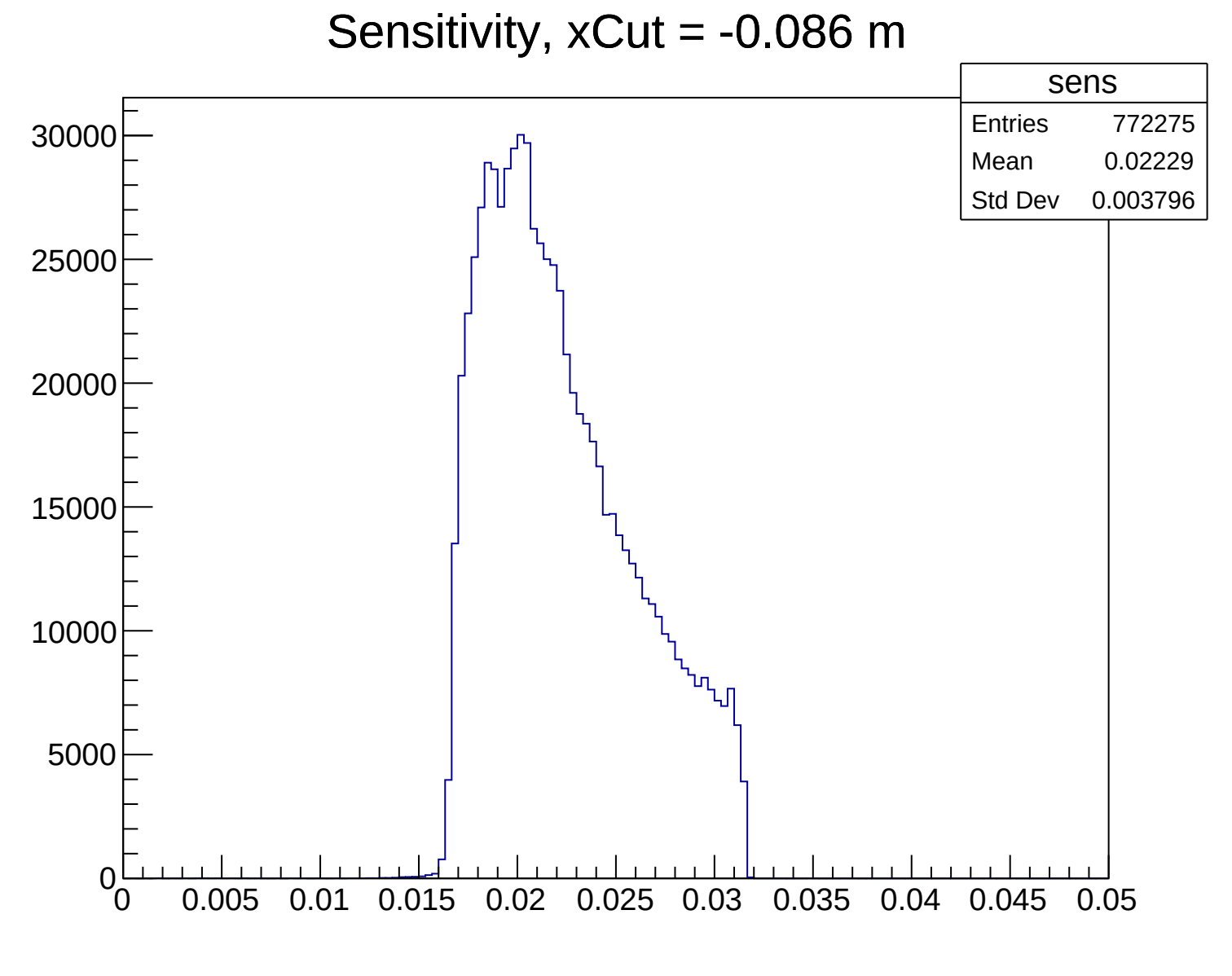

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

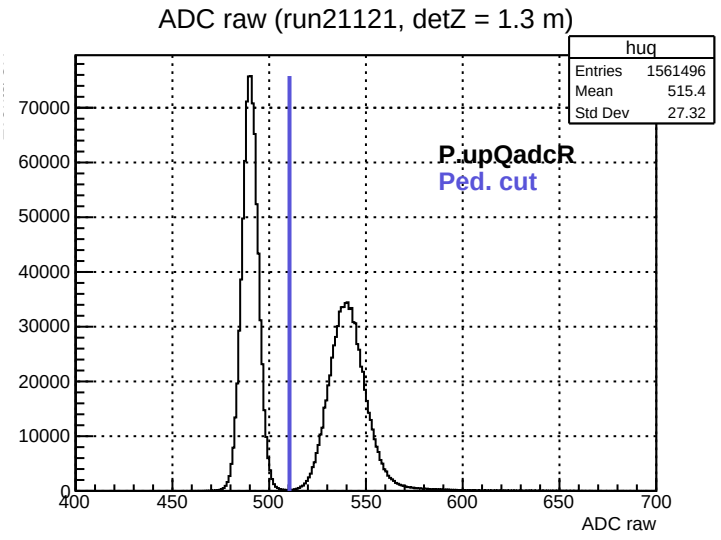

θlab (deg), xCut = -0.086 m
Theta
Entries 772275
Mean 4.788
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

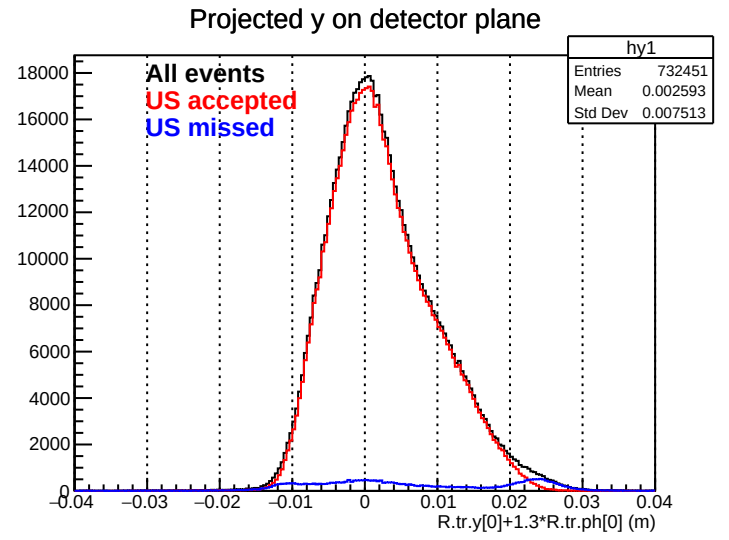

Asymmetry (ppm), xCut = -0.086 m
Asym
Entries 772275
Mean 0.5724
Std Dev 0.07516
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

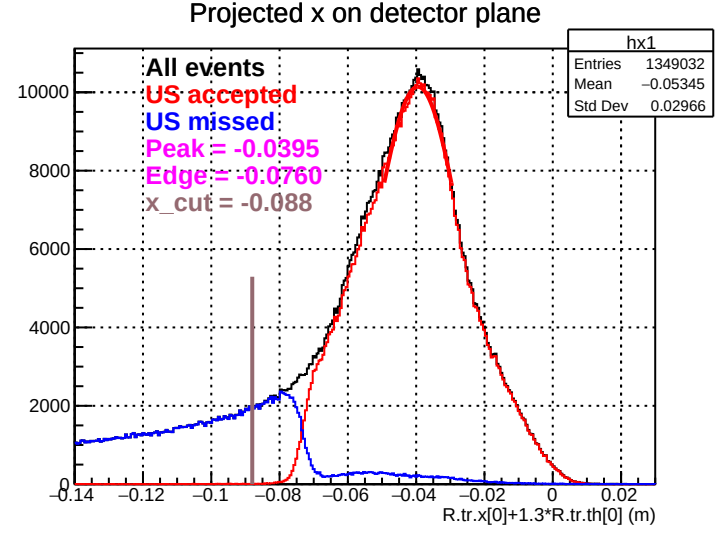

Stretched Asym. (ppm), xCut = -0.086 m
SAsym
Entries 772275
Mean 0.5594
Std Dev 0.07147
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

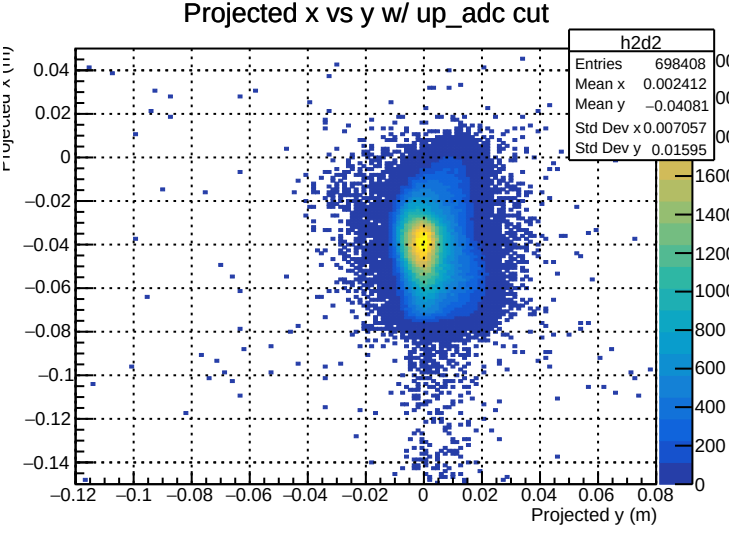

Q^2 (GeV/c)^2, xCut = -0.086 m
Q2
Entries 772275
Mean 0.006331
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

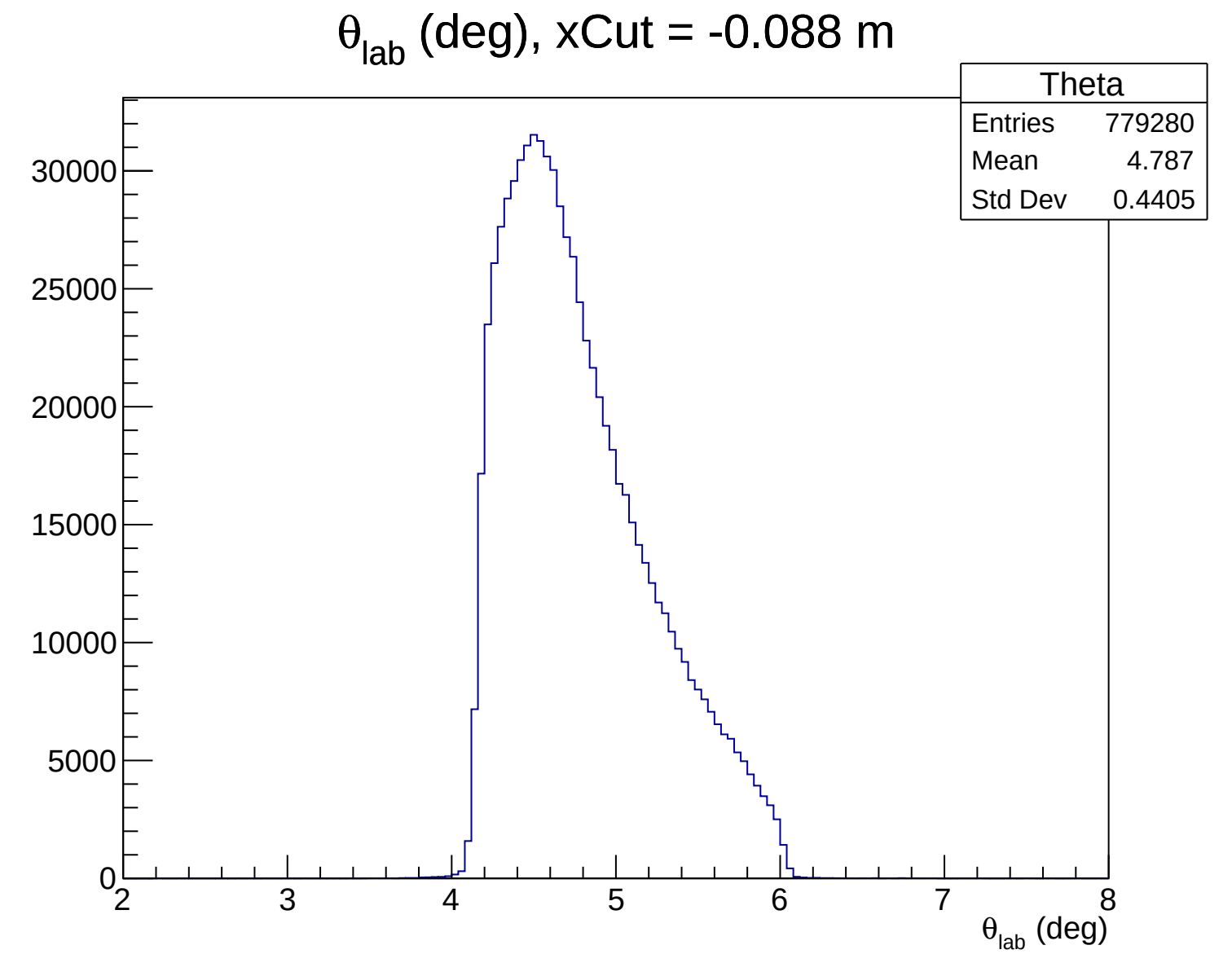

Sensitivity, xCut = -0.086 m
sens
Entries 772275
Mean 0.02229
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

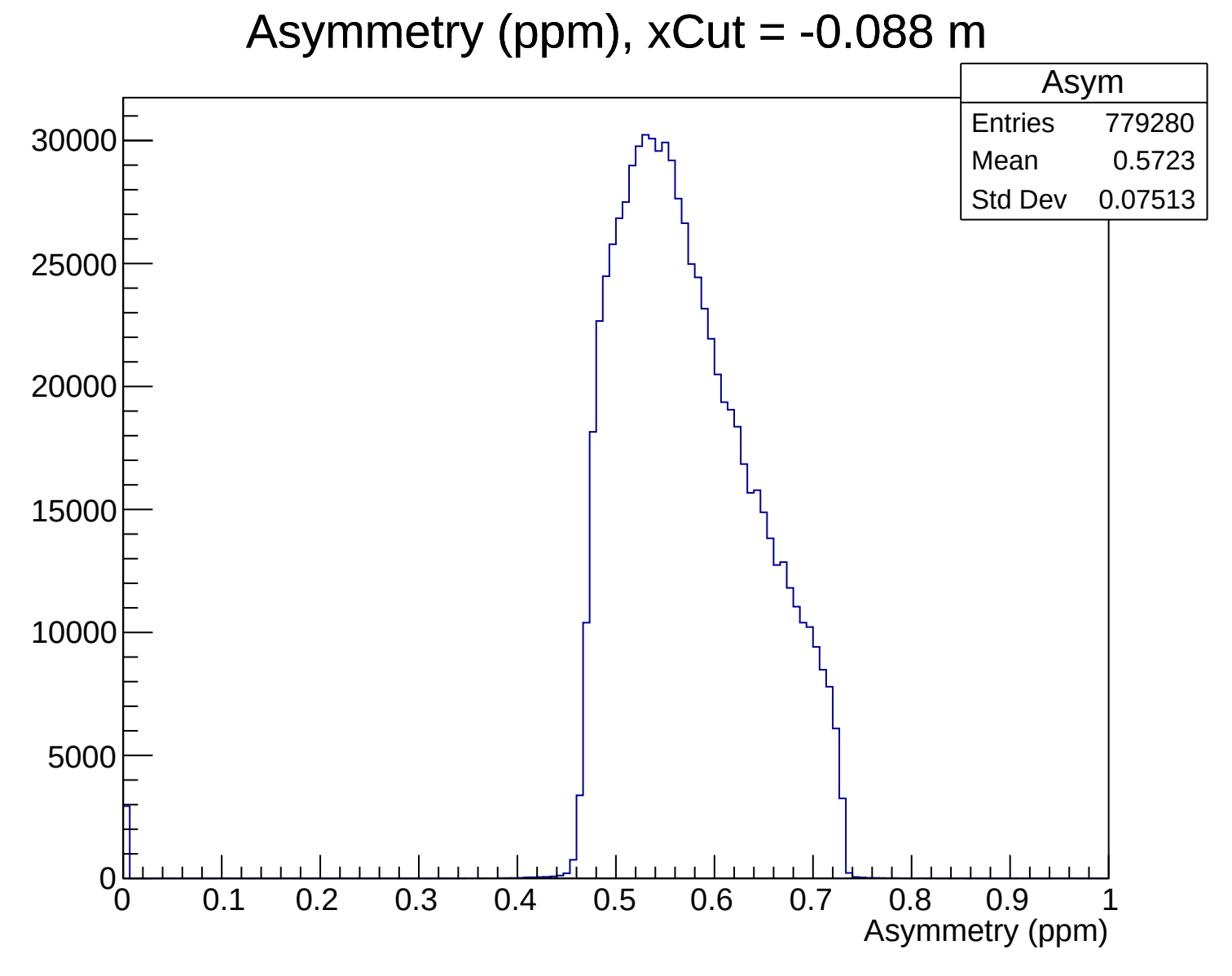

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

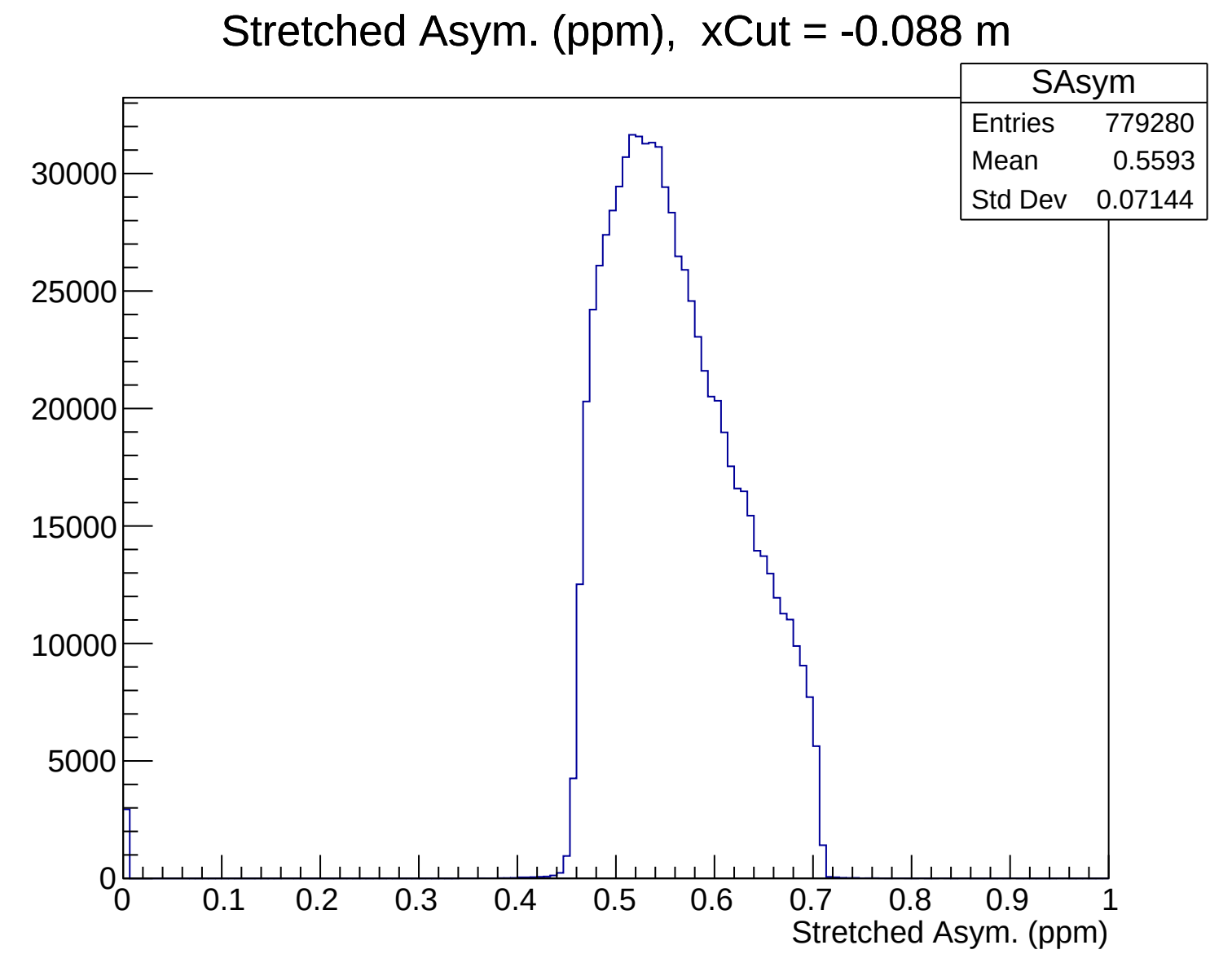

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

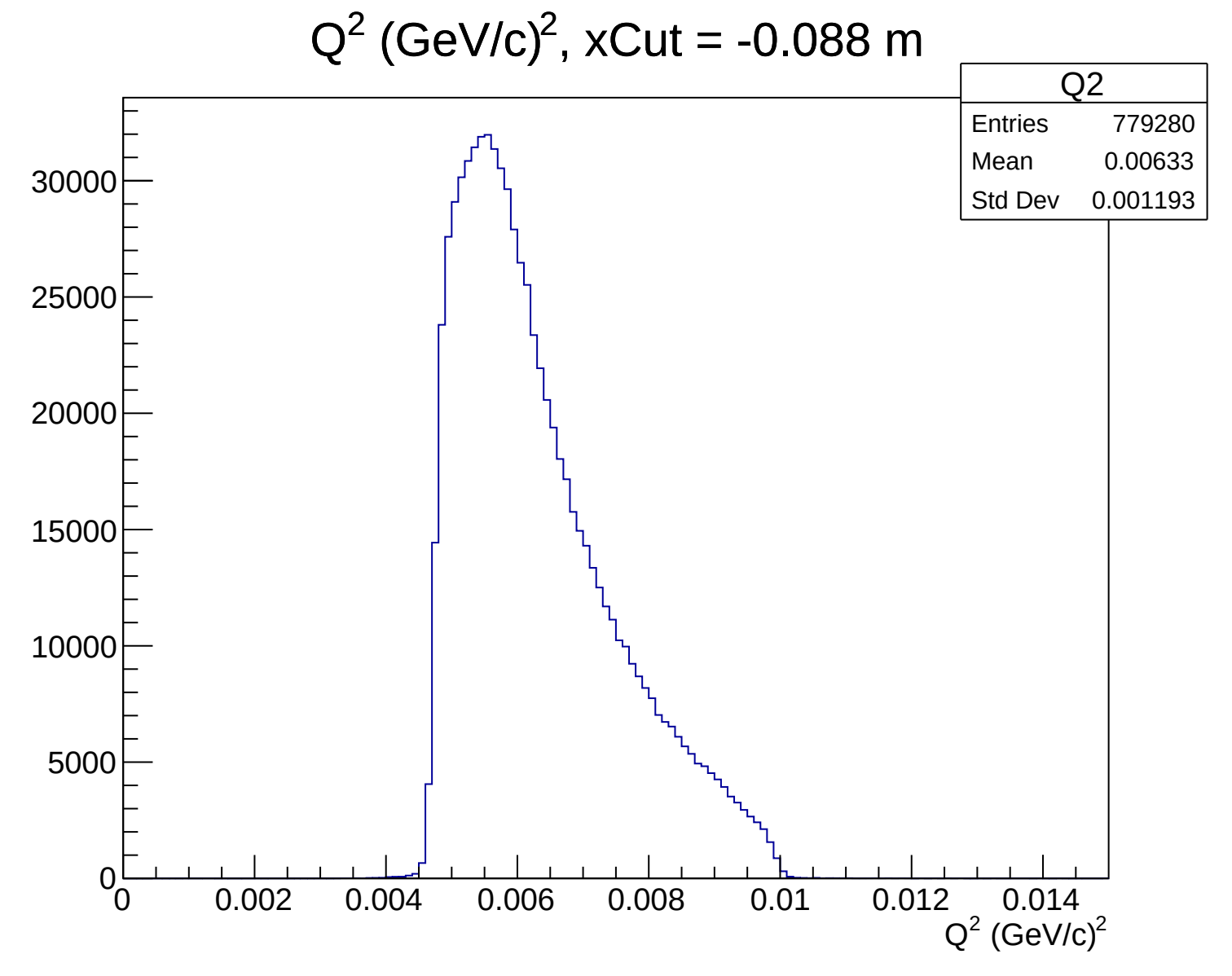

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.088
R.tr.x[0]+1.3*R.tr.th[0] (m)

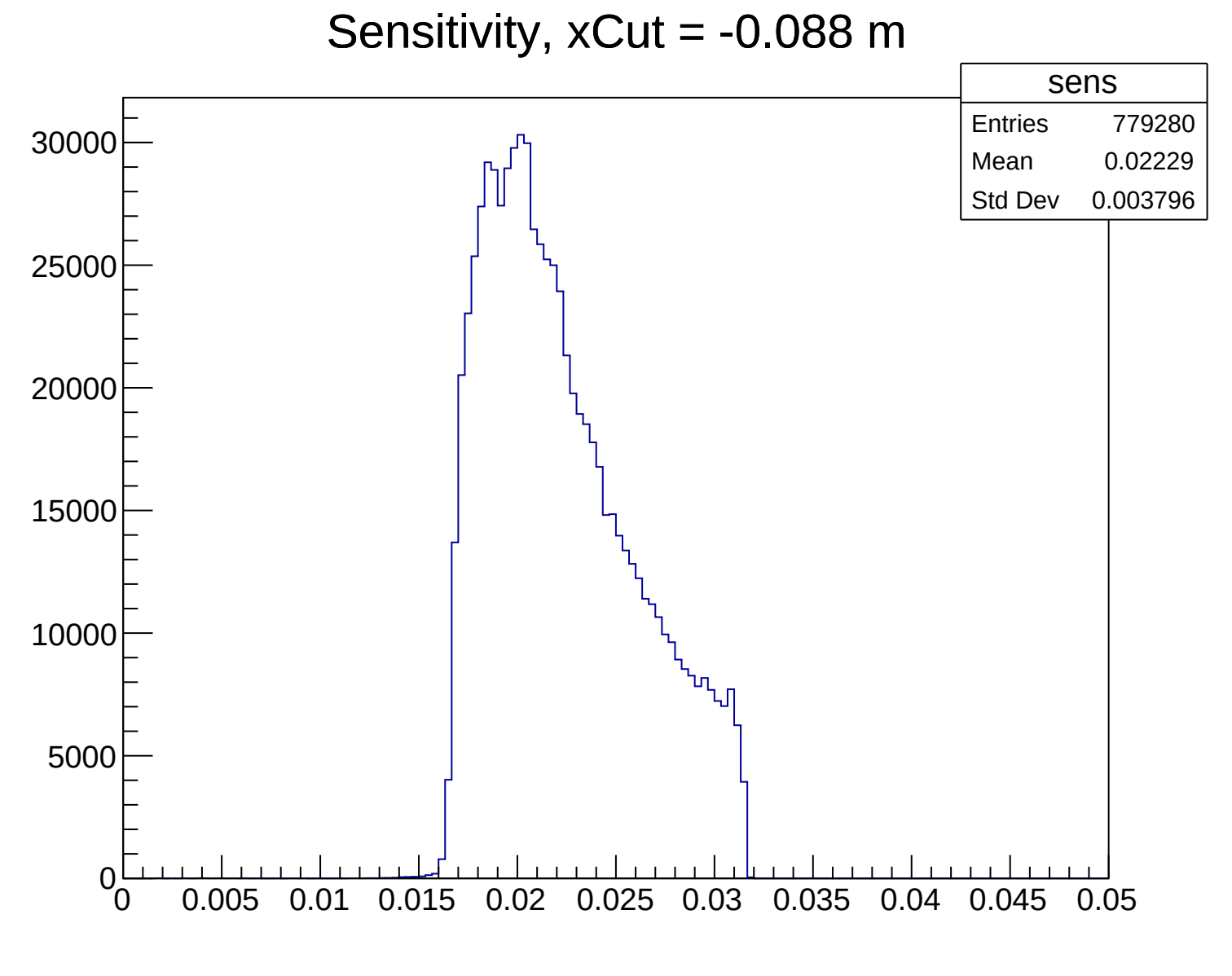

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

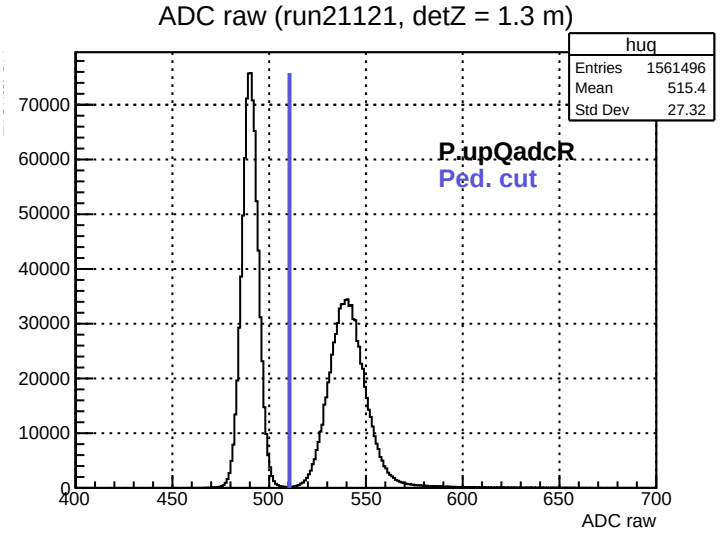

θlab (deg), xCut = -0.088 m
Theta
Entries 779280
Mean 4.787
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

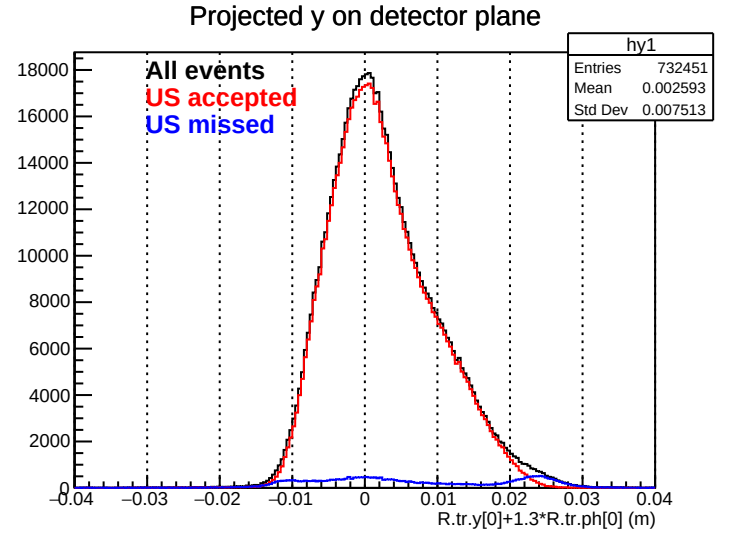

Asymmetry (ppm), xCut = -0.088 m
Asym
Entries 779280
Mean 0.5723
Std Dev 0.07513
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

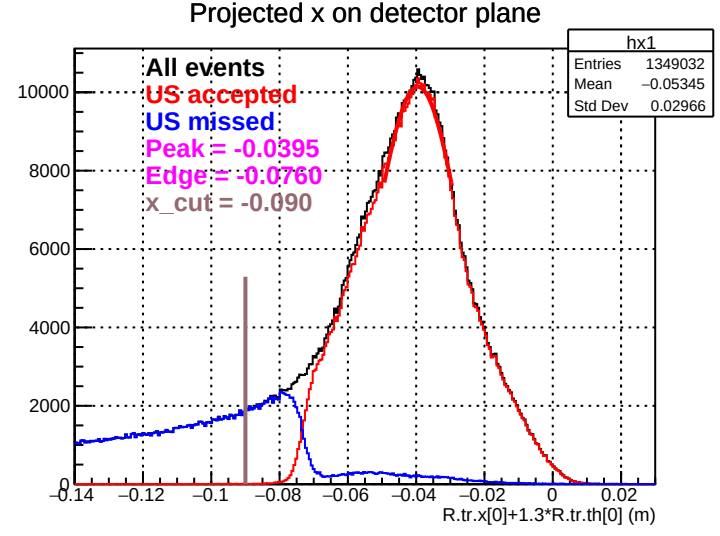

Stretched Asym. (ppm), xCut = -0.088 m
SAsym
Entries 779280
Mean 0.5593
Std Dev 0.07144
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

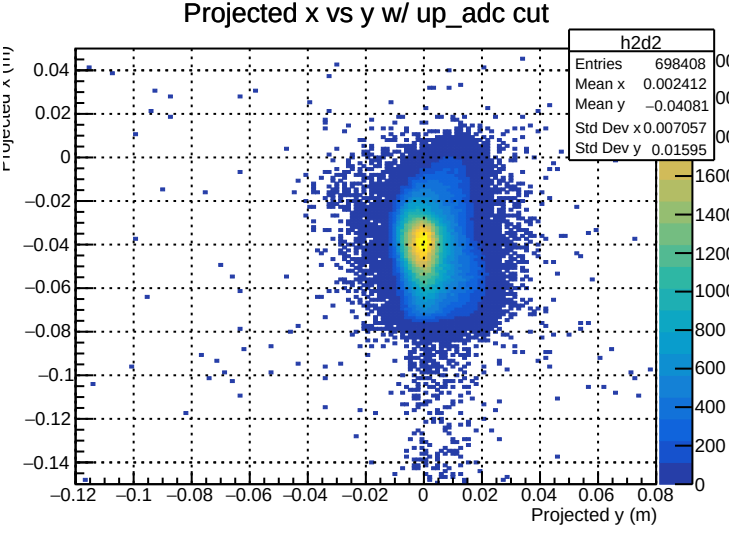

Q^2 (GeV/c)^2, xCut = -0.088 m
Q2
Entries 779280
Mean 0.00633
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

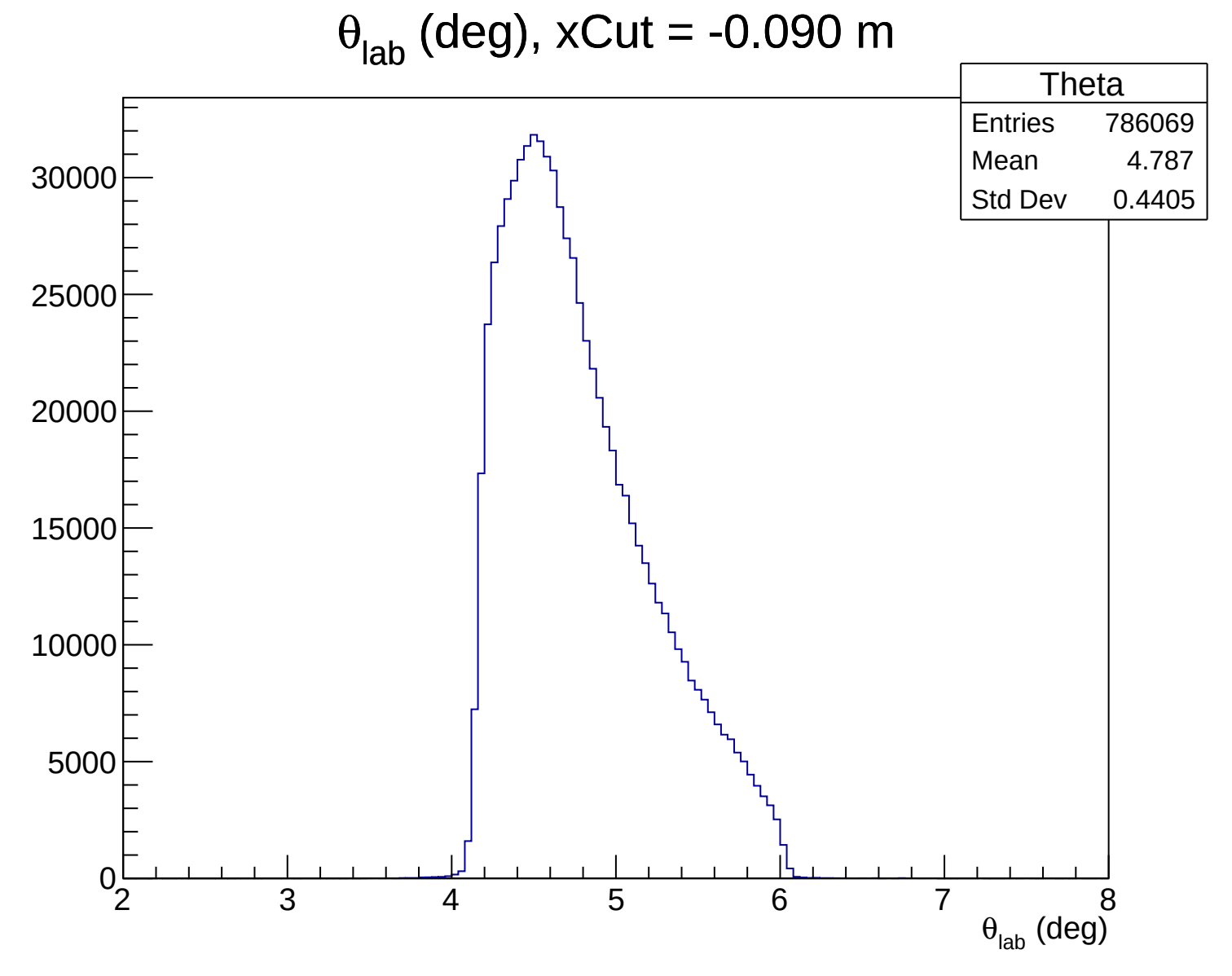

Sensitivity, xCut = -0.088 m
sens
Entries 779280
Mean 0.02229
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

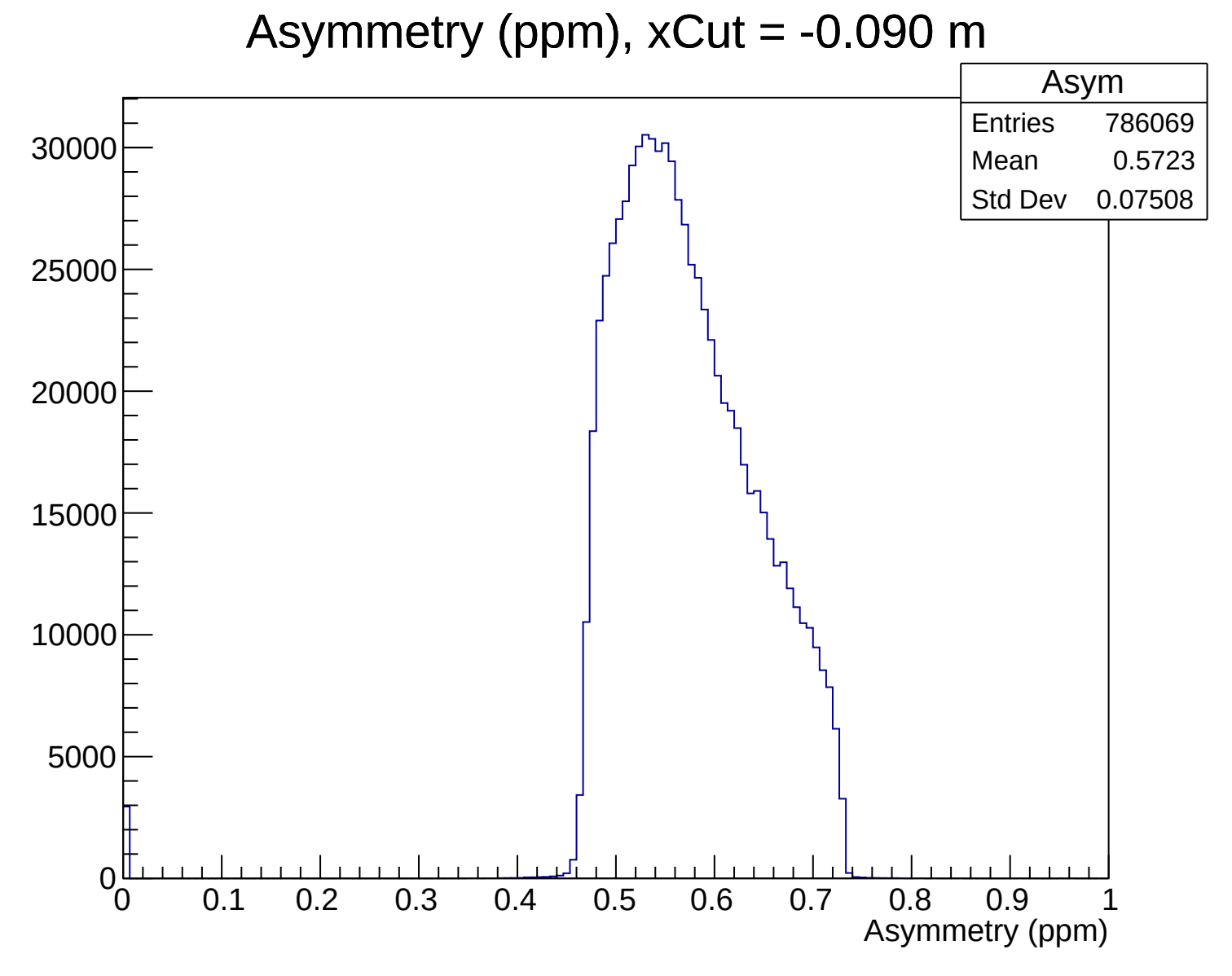

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

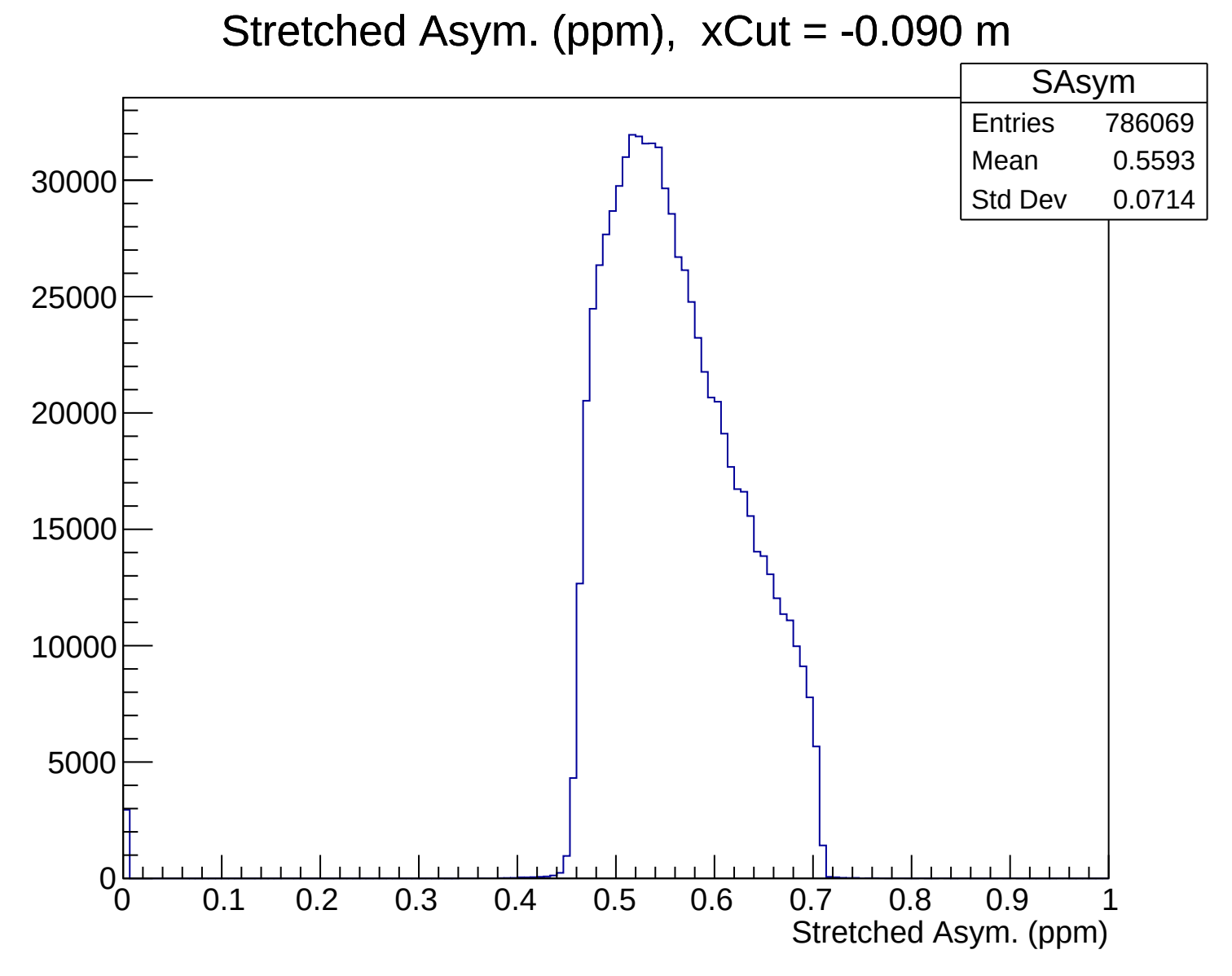

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

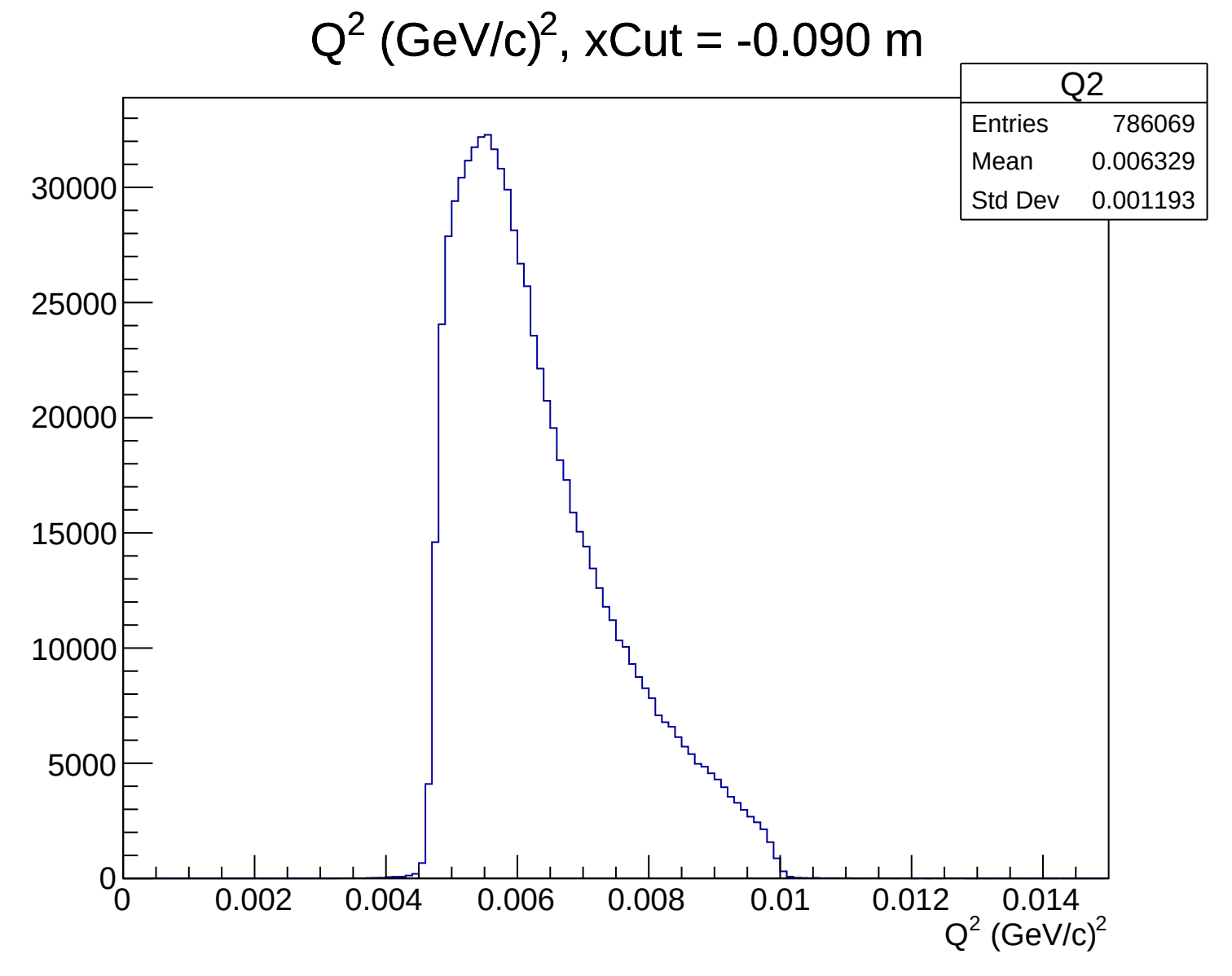

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.090
R.tr.x[0]+1.3*R.tr.th[0] (m)

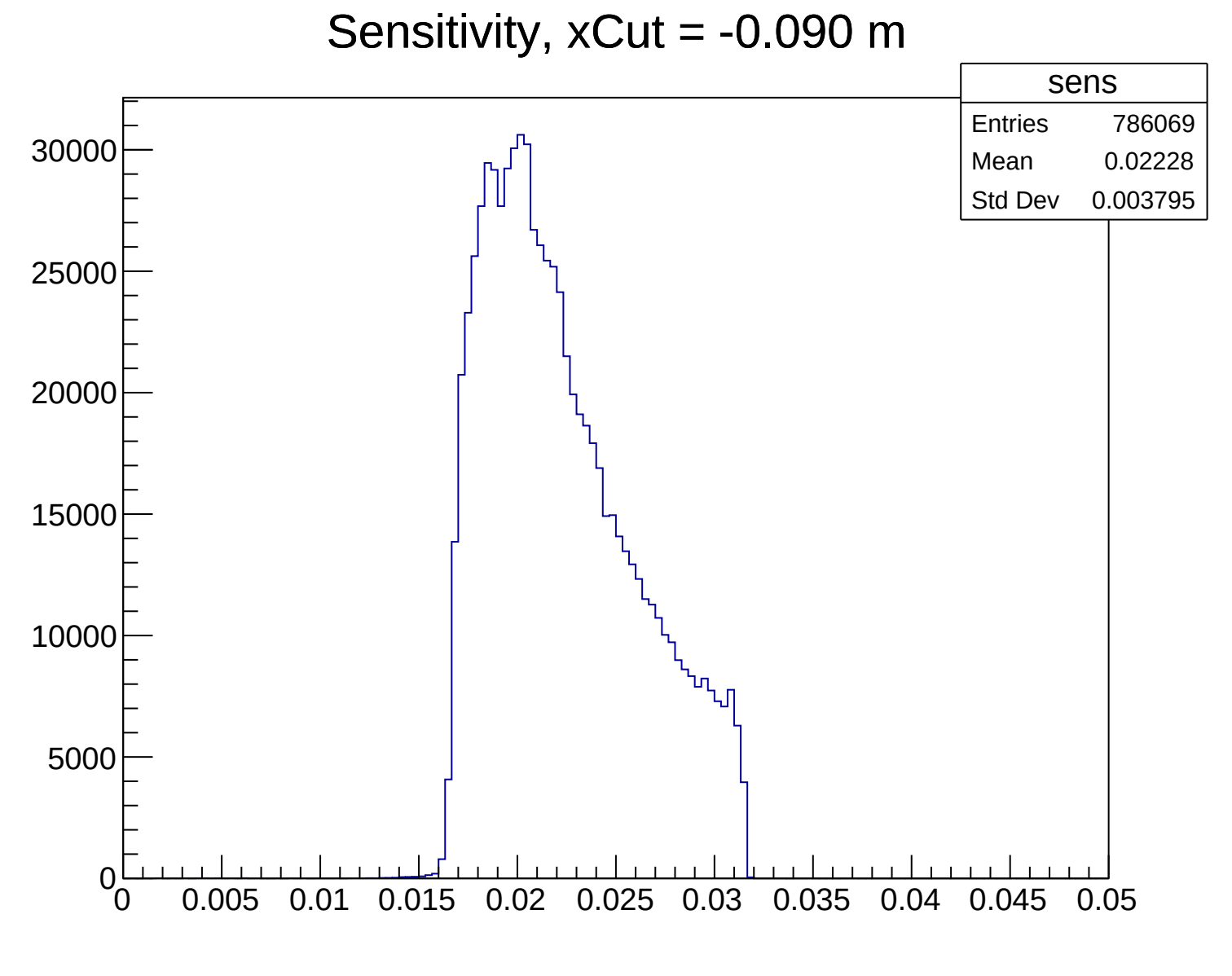

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

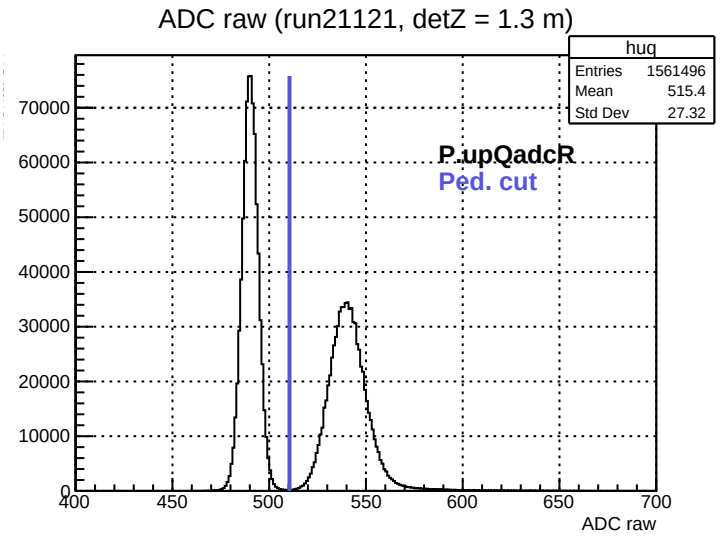

θlab (deg), xCut = -0.090 m
Theta
Entries 786069
Mean 4.787
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

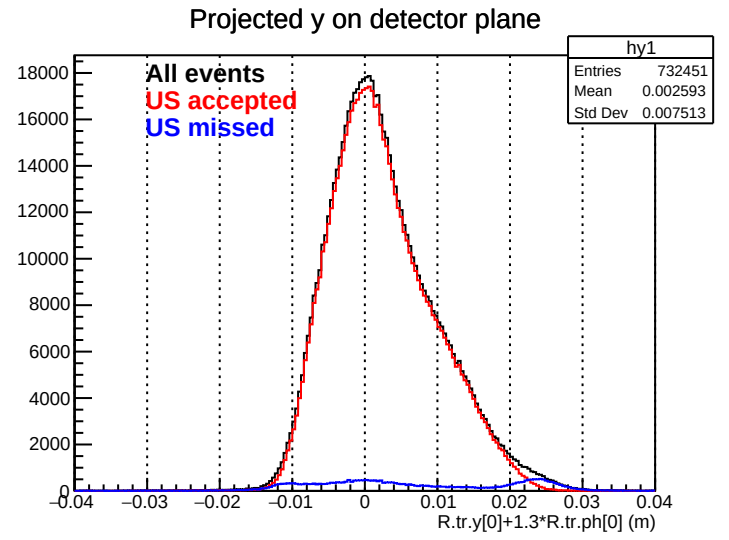

Asymmetry (ppm), xCut = -0.090 m
Asym
Entries 786069
Mean 0.5723
Std Dev 0.07508
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

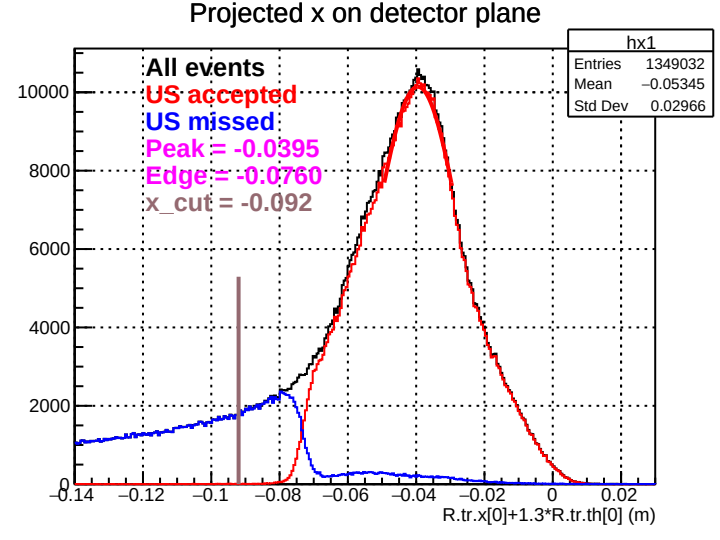

Stretched Asym. (ppm), xCut = -0.090 m
SAsym
Entries 786069
Mean 0.5593
Std Dev 0.0714
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

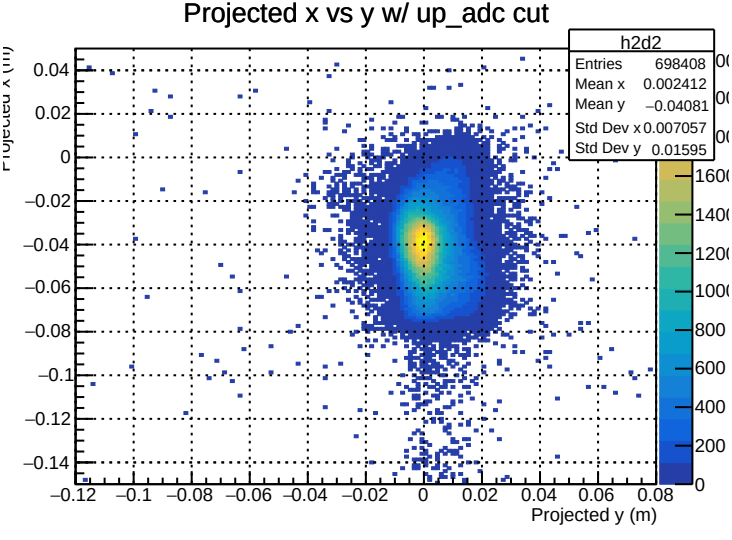

Q^2 (GeV/c)^2, xCut = -0.090 m
Q2
Entries 786069
Mean 0.006329
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

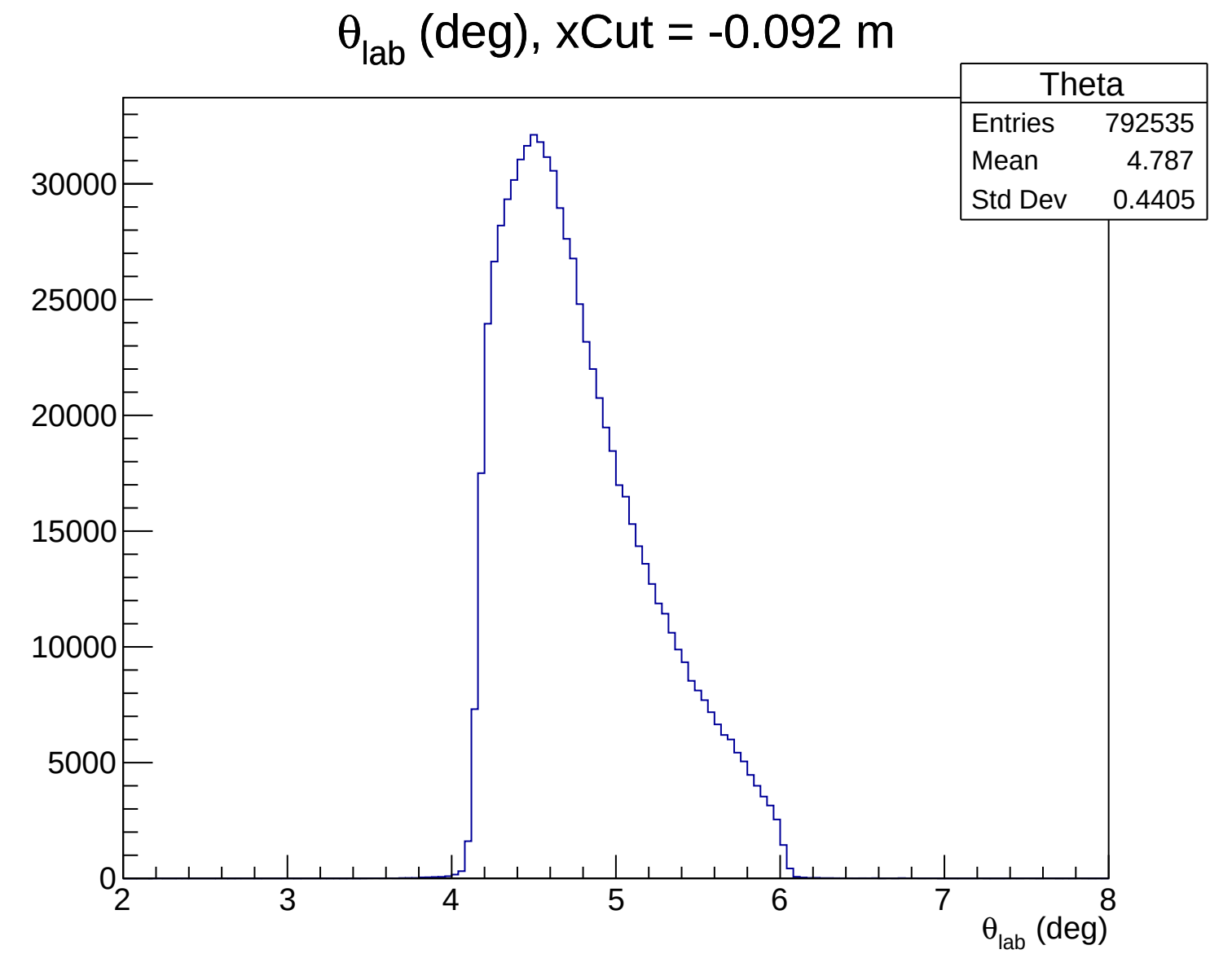

Sensitivity, xCut = -0.090 m
sens
Entries 786069
Mean 0.02228
Std Dev 0.003795
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

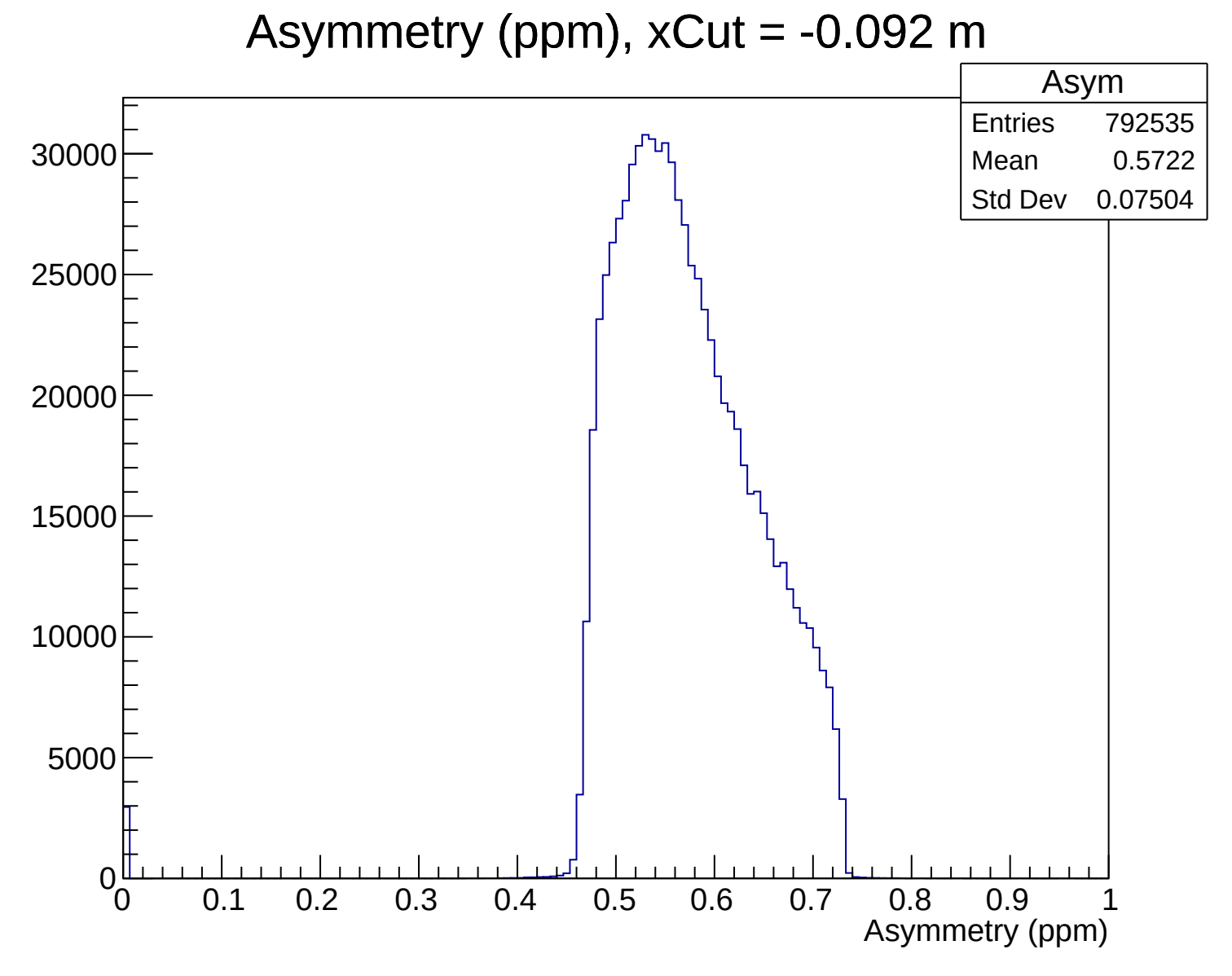

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

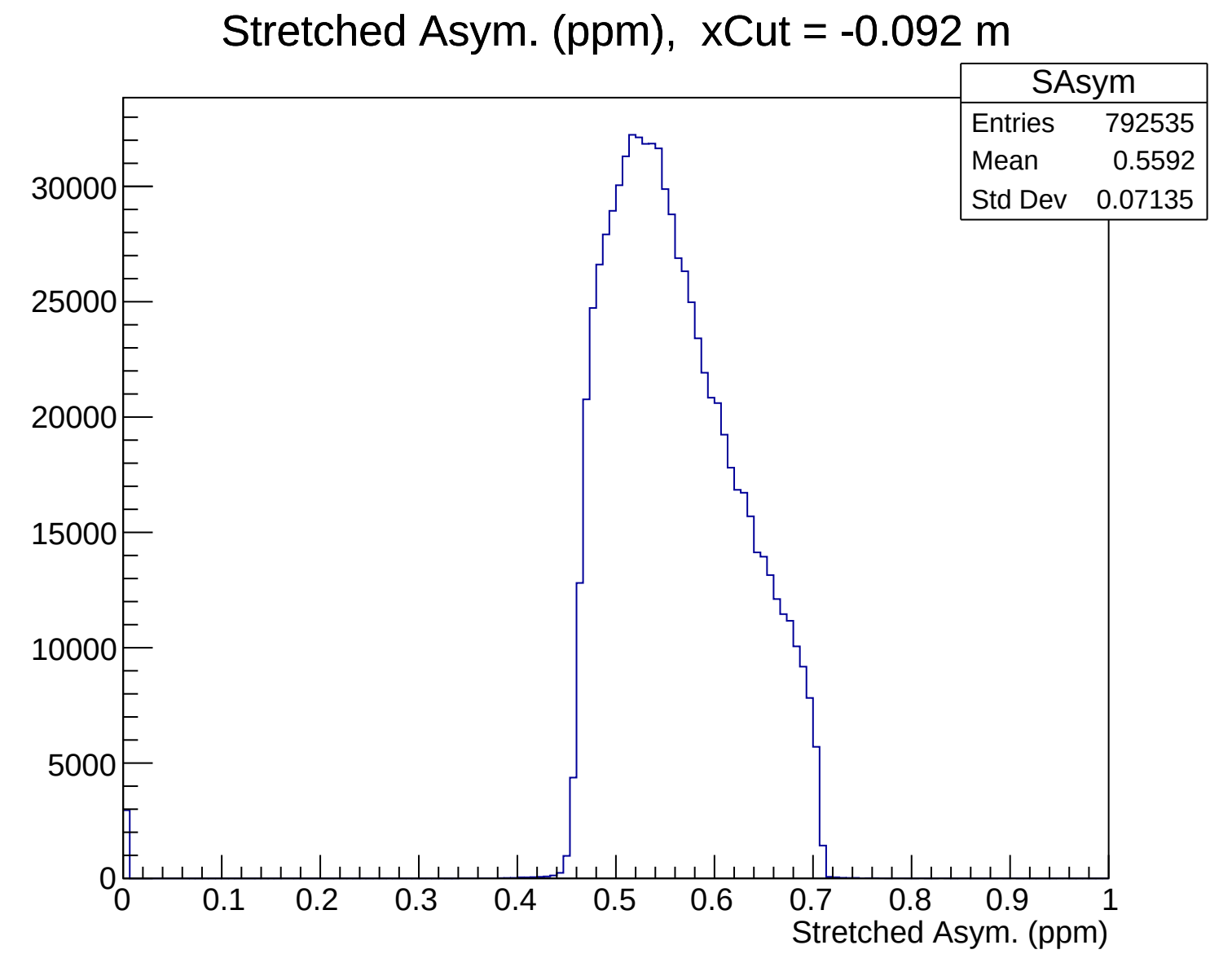

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

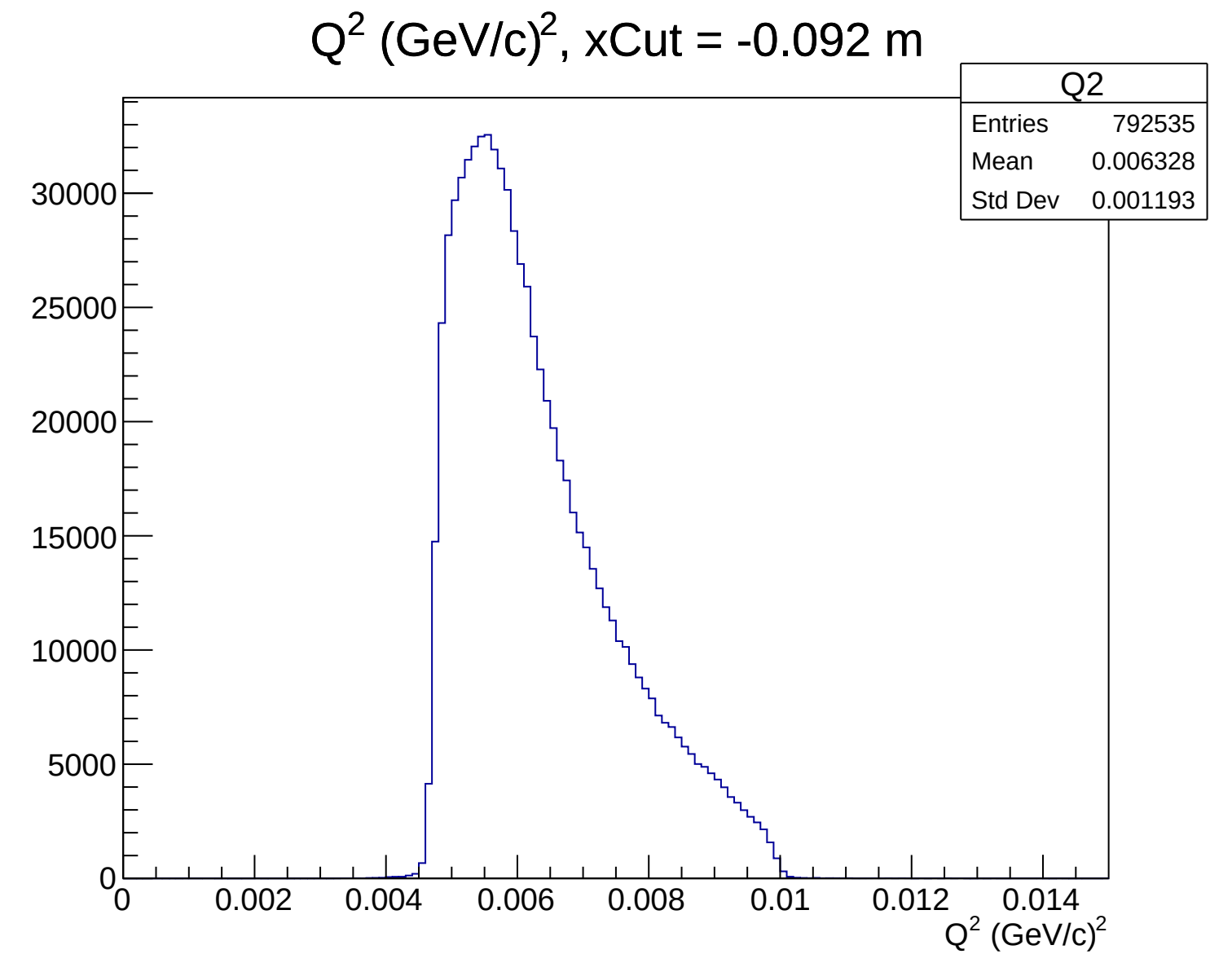

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.092
R.tr.x[0]+1.3*R.tr.th[0] (m)

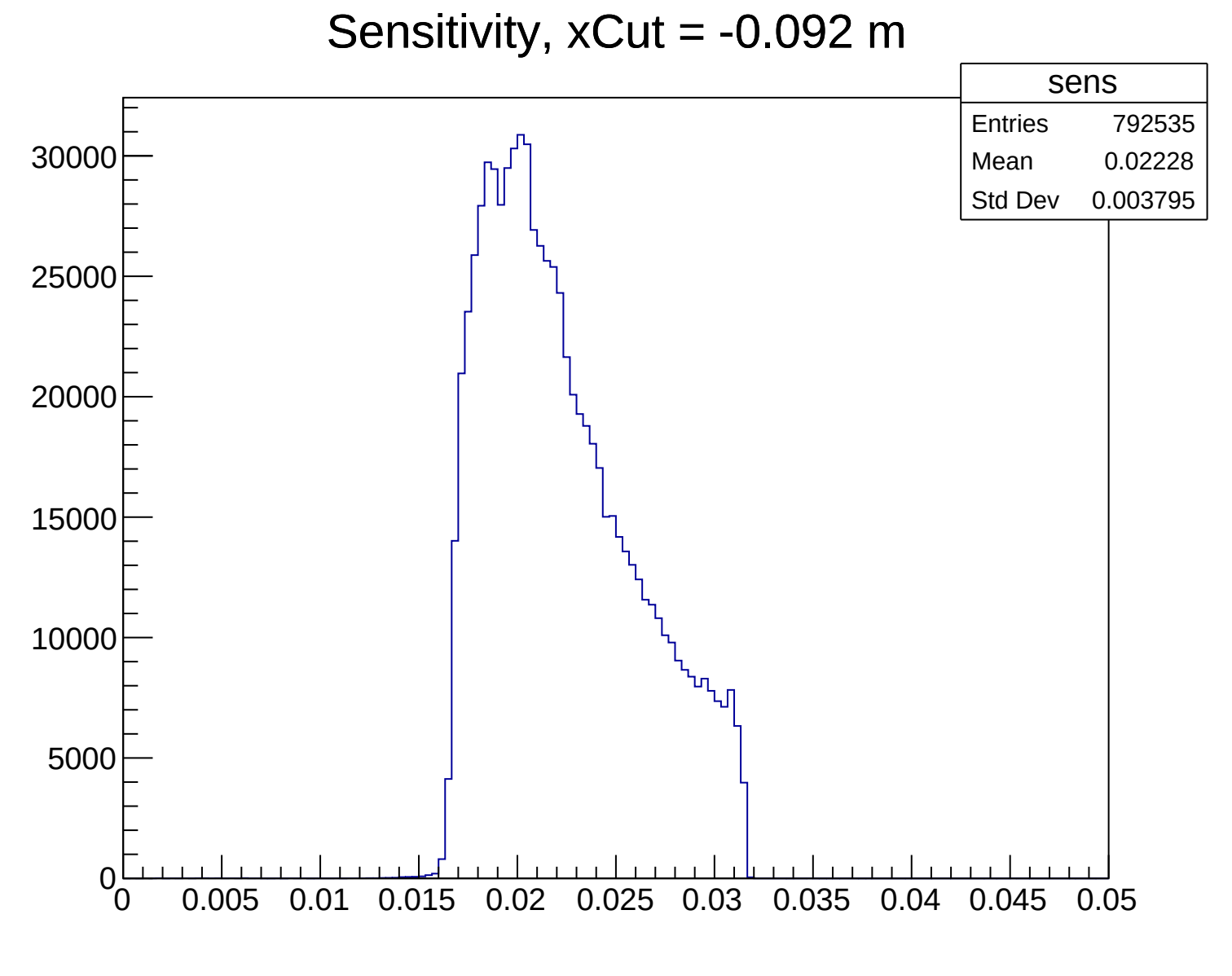

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

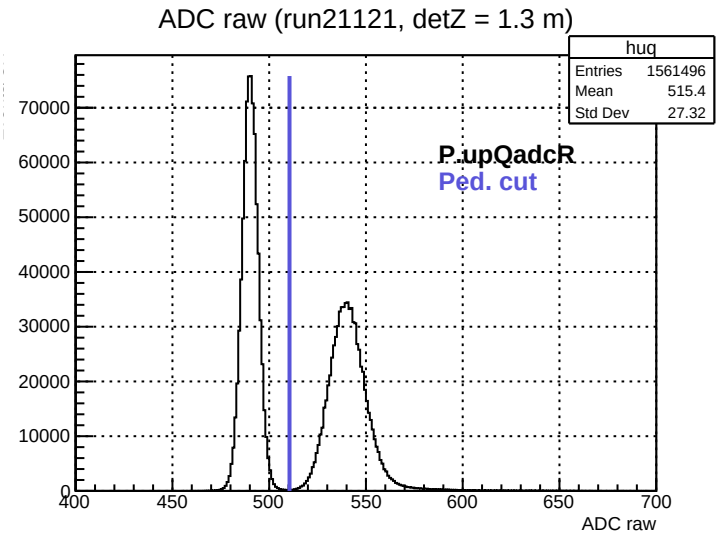

θlab (deg), xCut = -0.092 m
Theta
Entries 792535
Mean 4.787
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

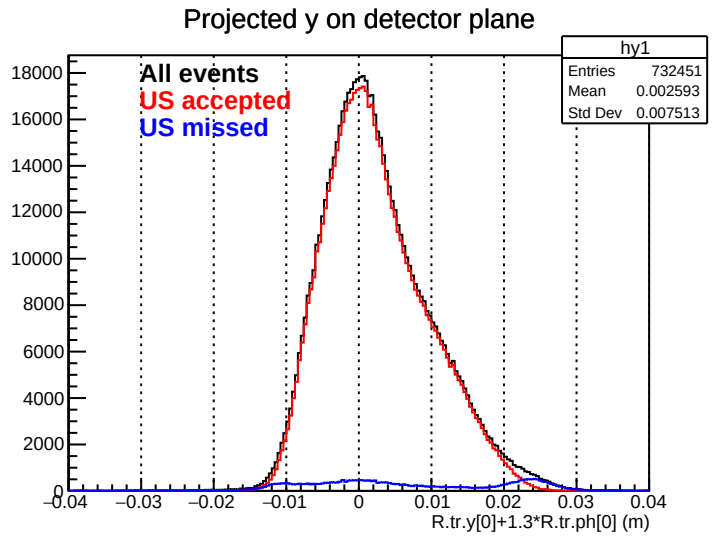

Asymmetry (ppm), xCut = -0.092 m
Asym
Entries 792535
Mean 0.5722
Std Dev 0.07504
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

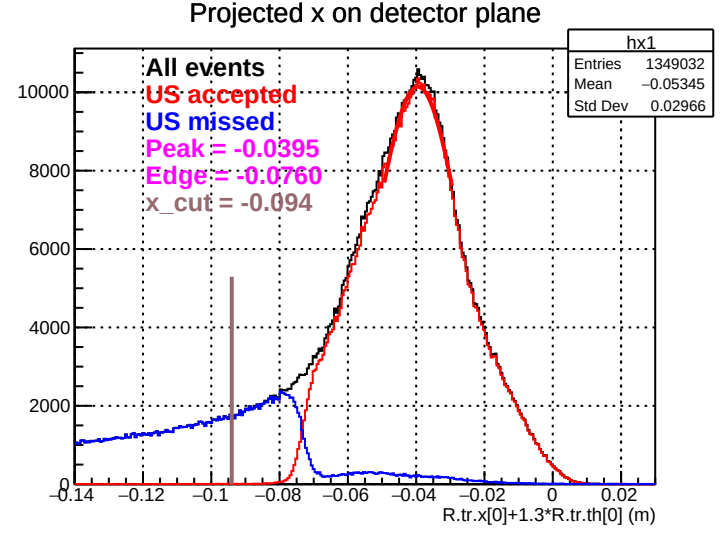

Stretched Asym. (ppm), xCut = -0.092 m
SAsym
Entries 792535
Mean 0.5592
Std Dev 0.07135
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

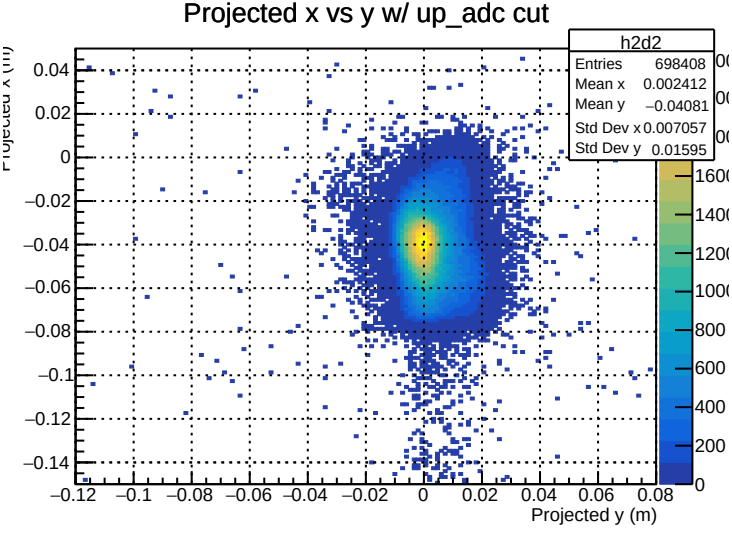

Q^2 (GeV/c)^2, xCut = -0.092 m
Q2
Entries 792535
Mean 0.006328
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

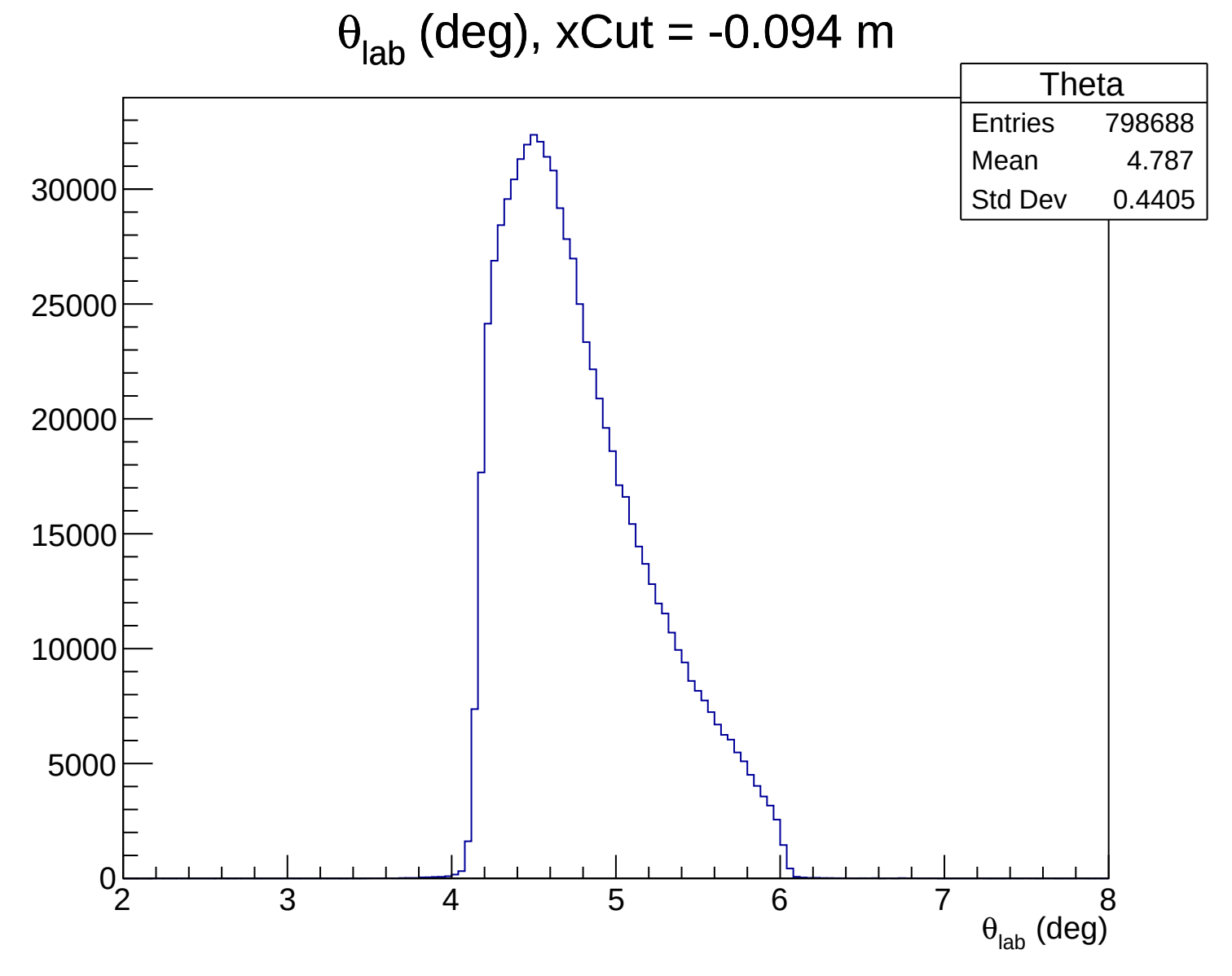

Sensitivity, xCut = -0.092 m
sens
Entries 792535
Mean 0.02228
Std Dev 0.003795
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

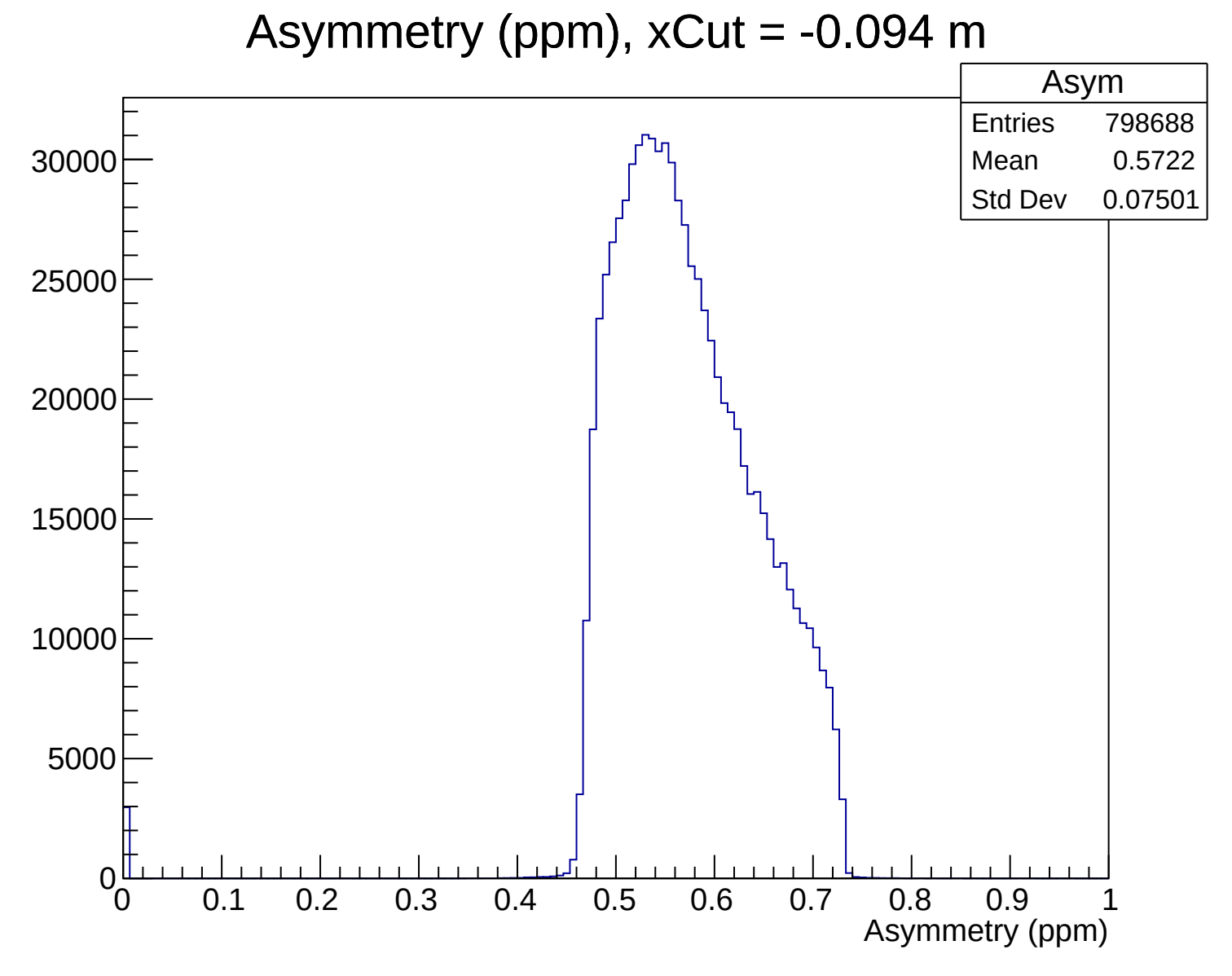

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

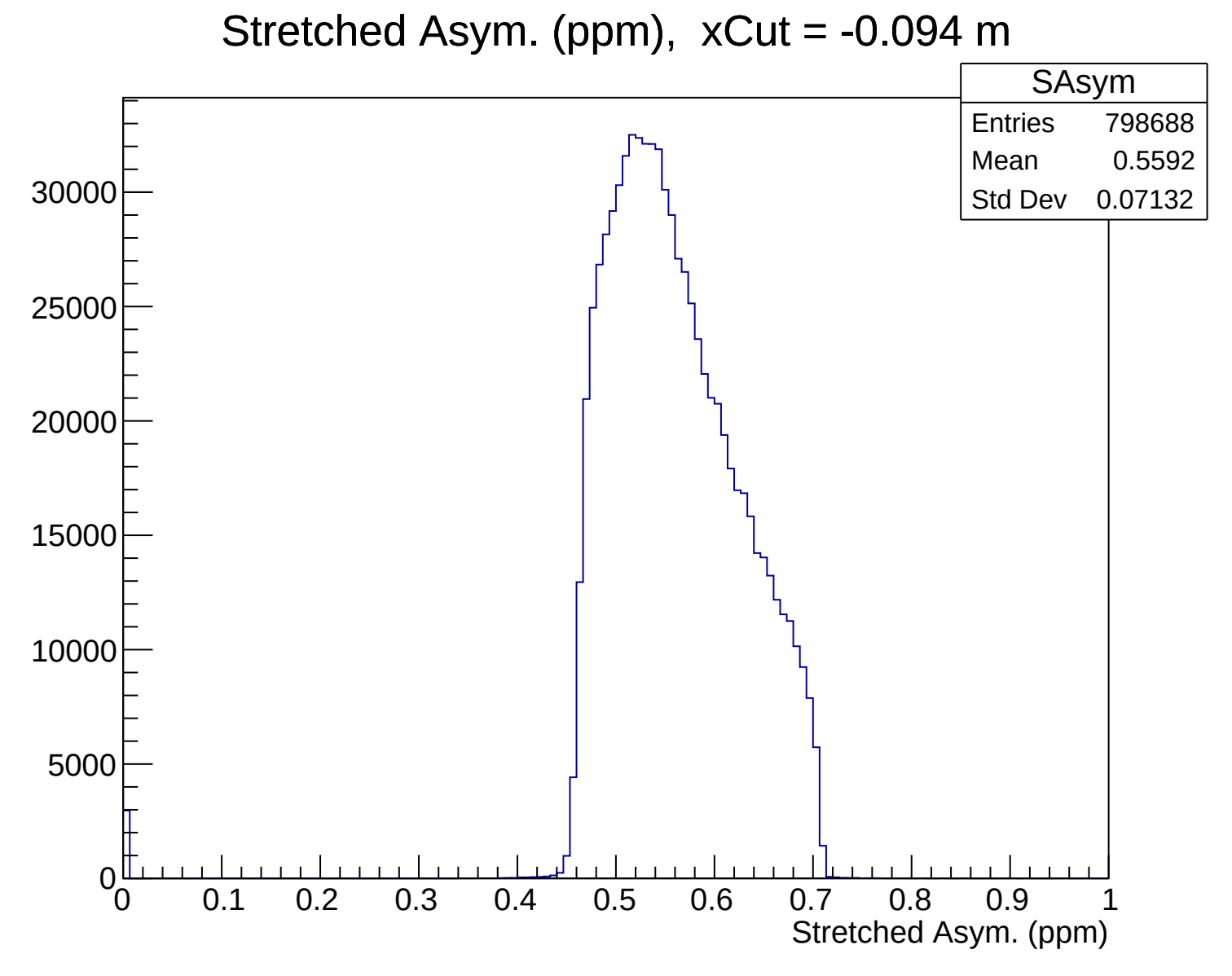

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

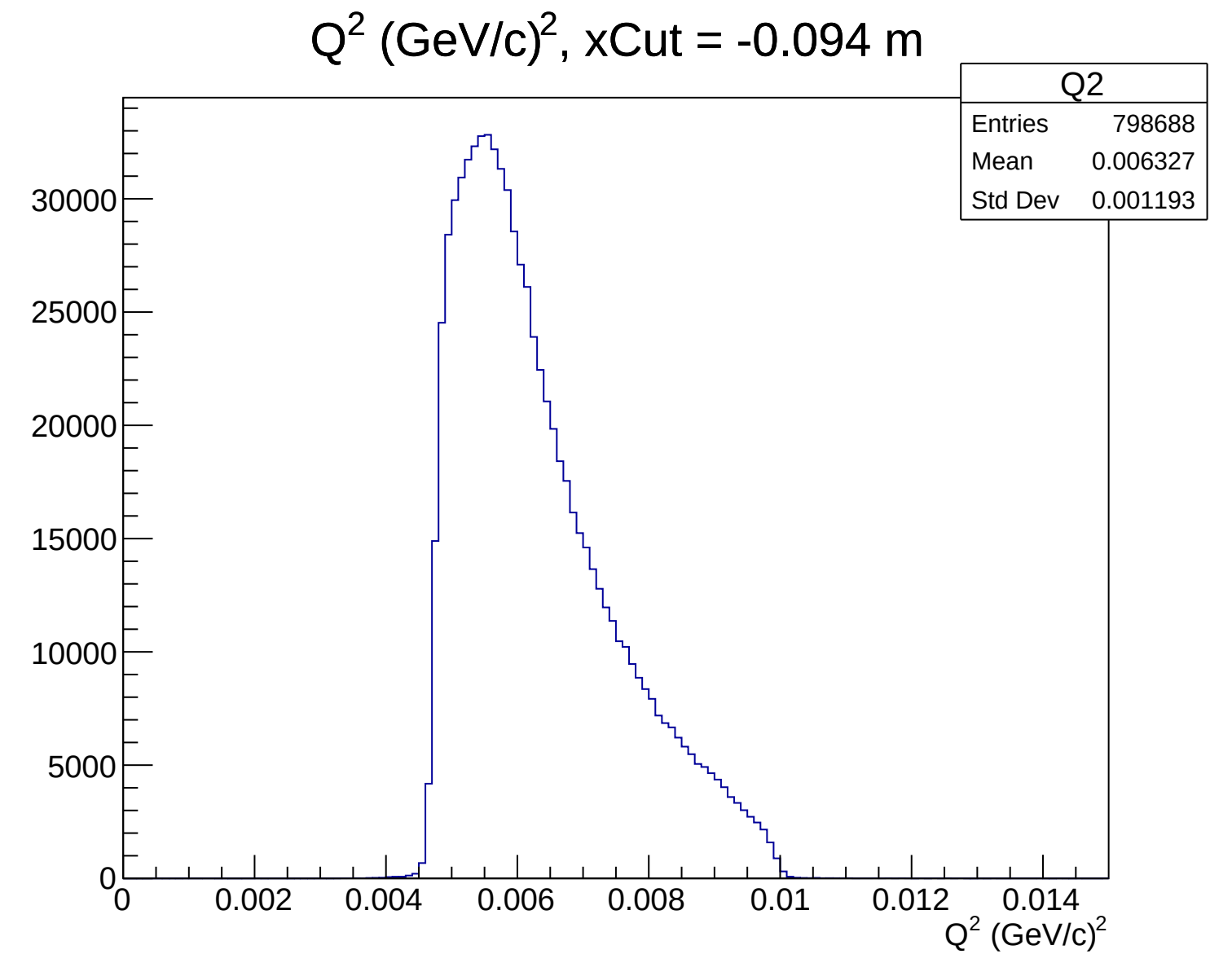

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.094
R.tr.x[0]+1.3*R.tr.th[0] (m)

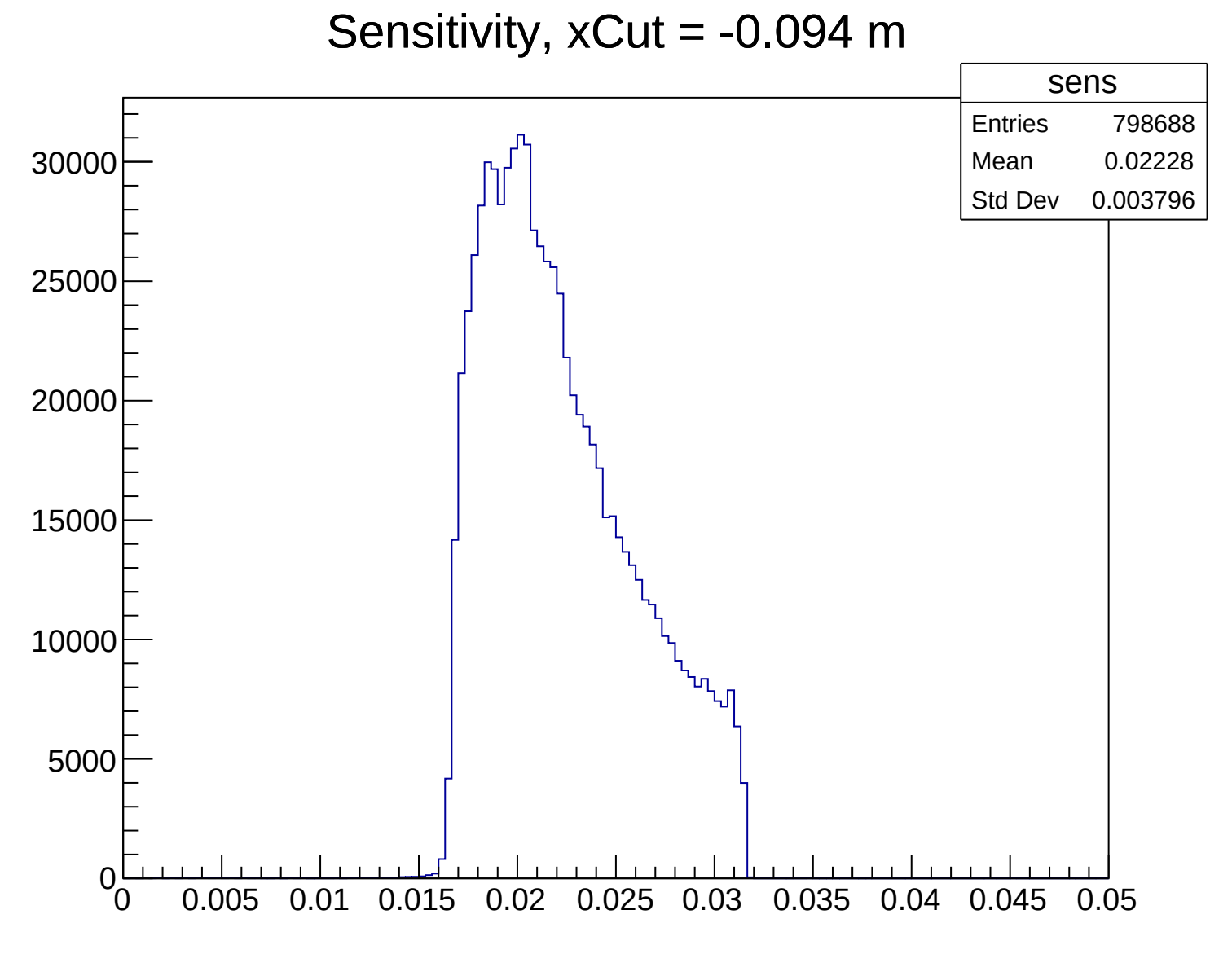

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

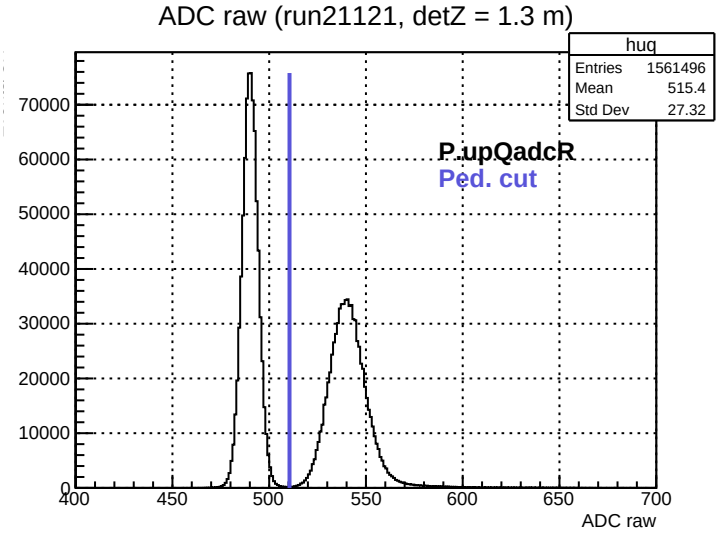

θlab (deg), xCut = -0.094 m
Theta
Entries 798688
Mean 4.787
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

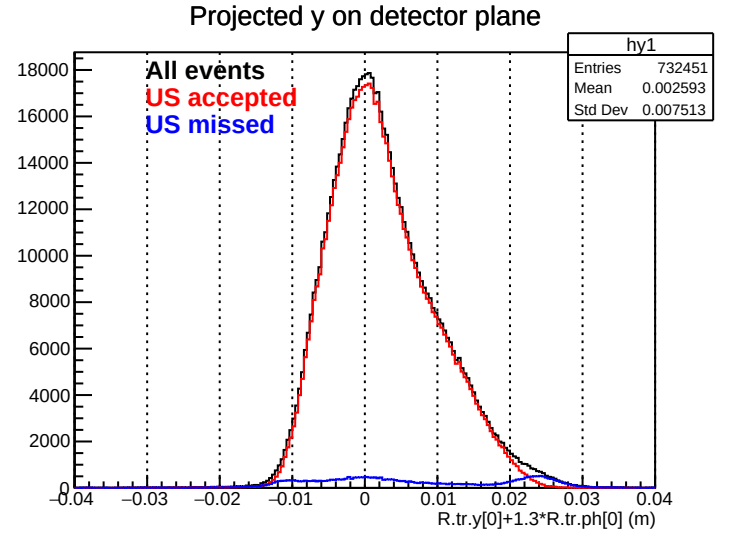

Asymmetry (ppm), xCut = -0.094 m
Asym
Entries 798688
Mean 0.5722
Std Dev 0.07501
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

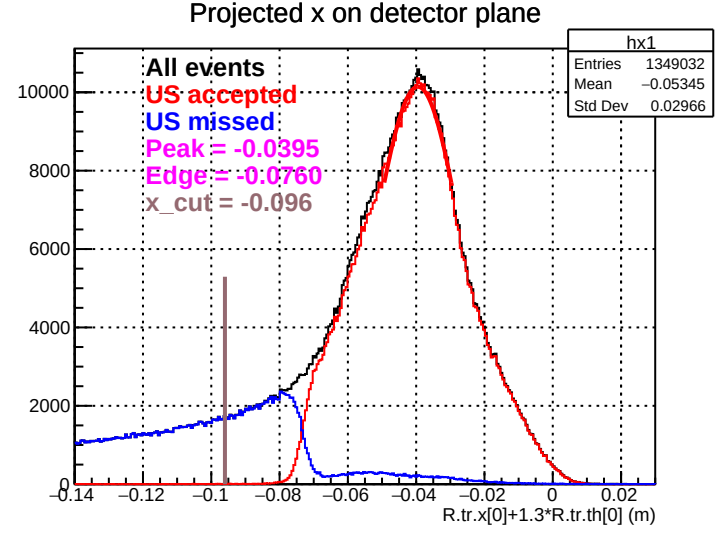

Stretched Asym. (ppm), xCut = -0.094 m
SAsym
Entries 798688
Mean 0.5592
Std Dev 0.07132
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

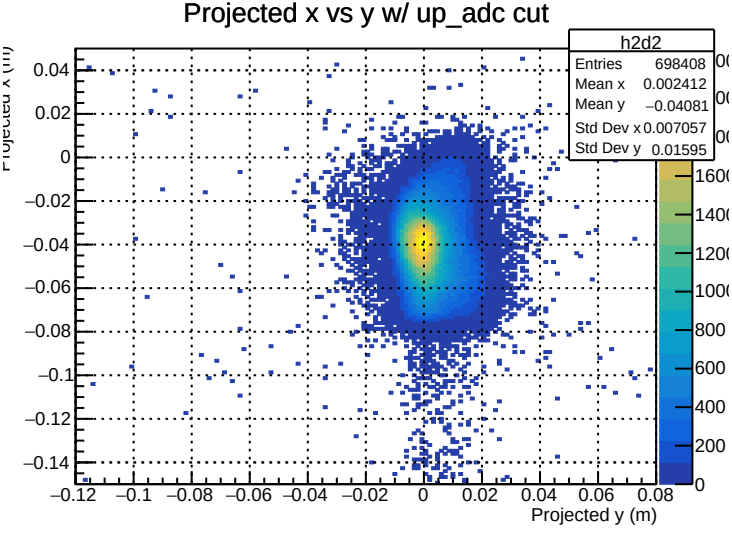

Q^2 (GeV/c)^2, xCut = -0.094 m
Q2
Entries 798688
Mean 0.006327
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

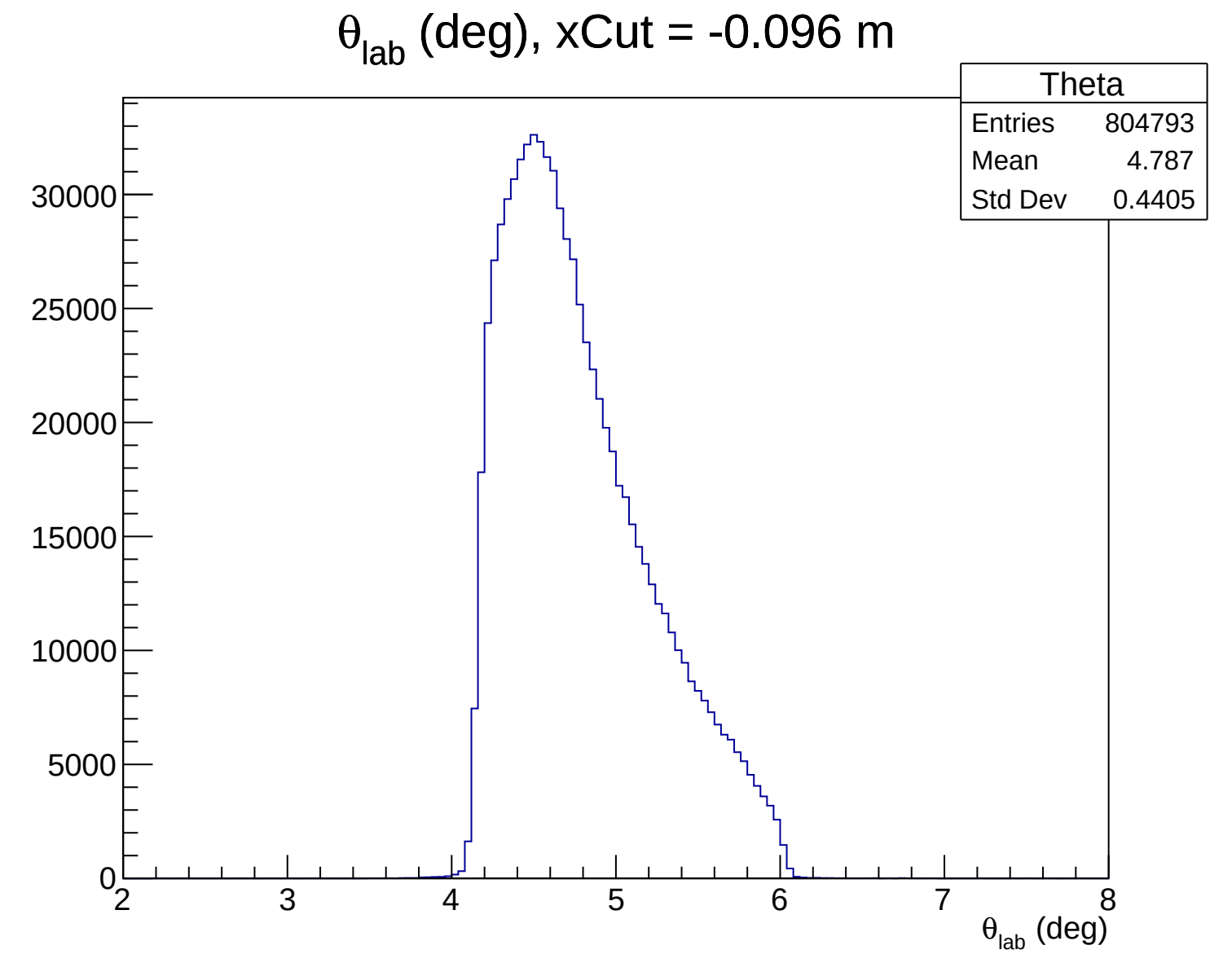

Sensitivity, xCut = -0.094 m
sens
Entries 798688
Mean 0.02228
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

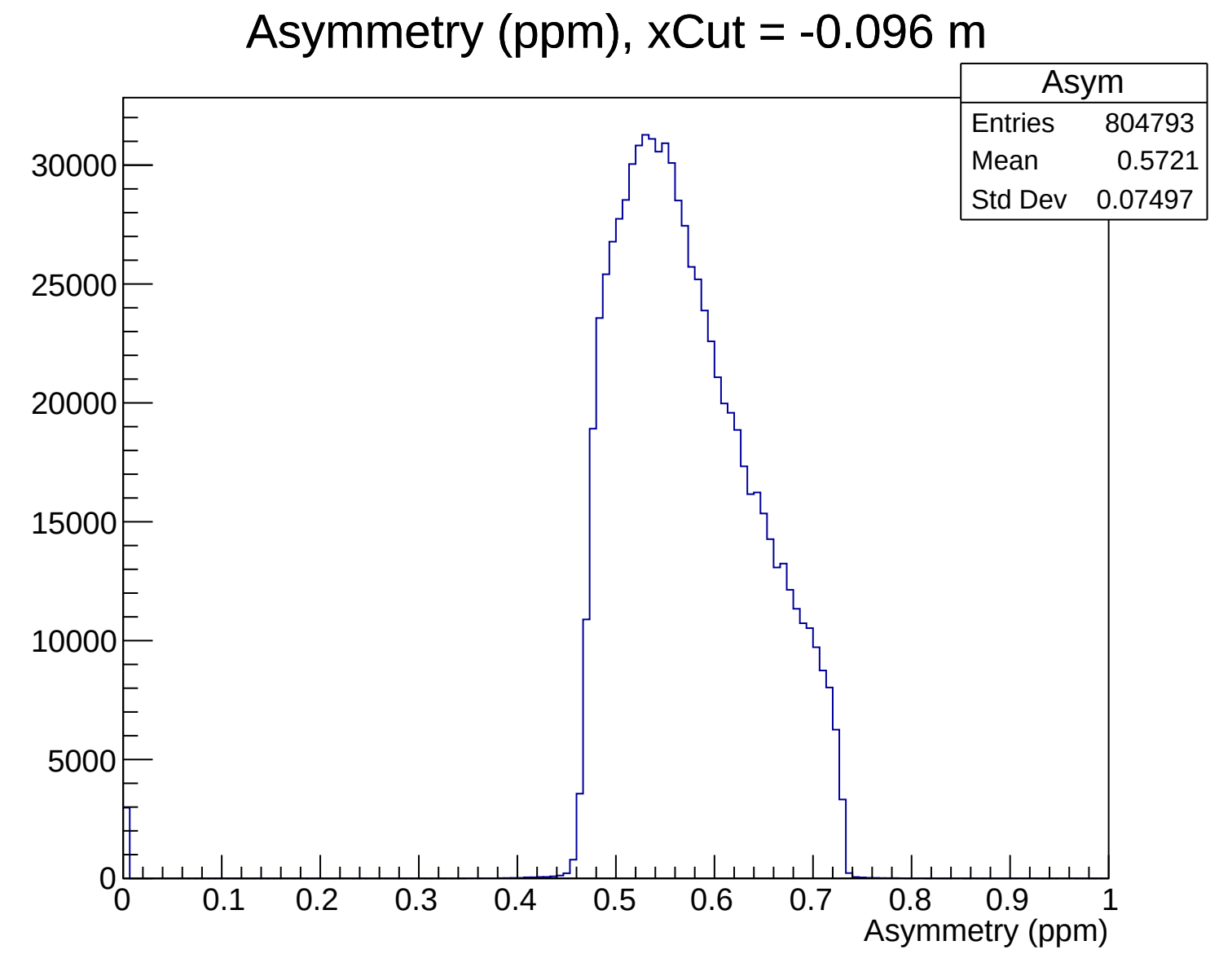

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

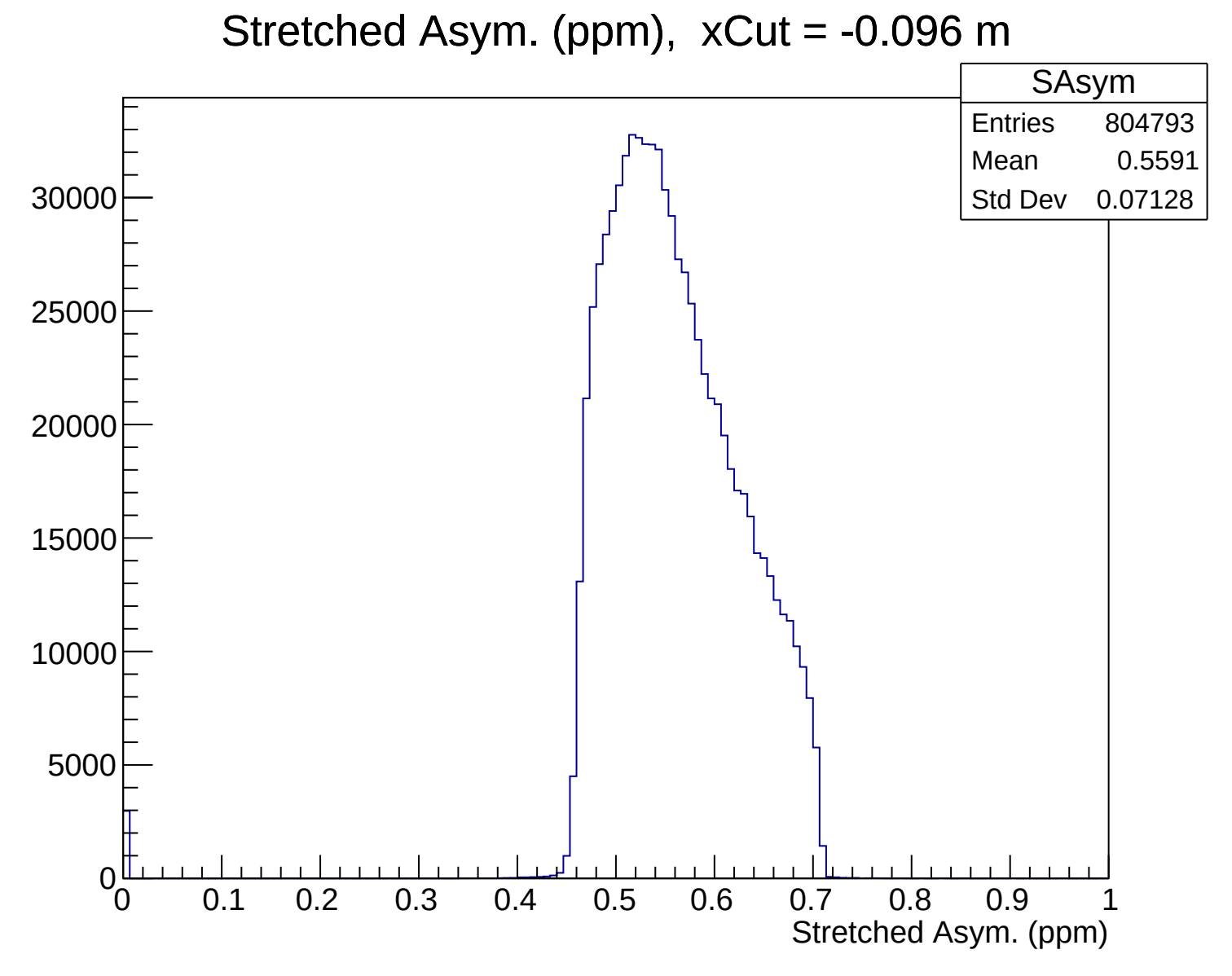

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

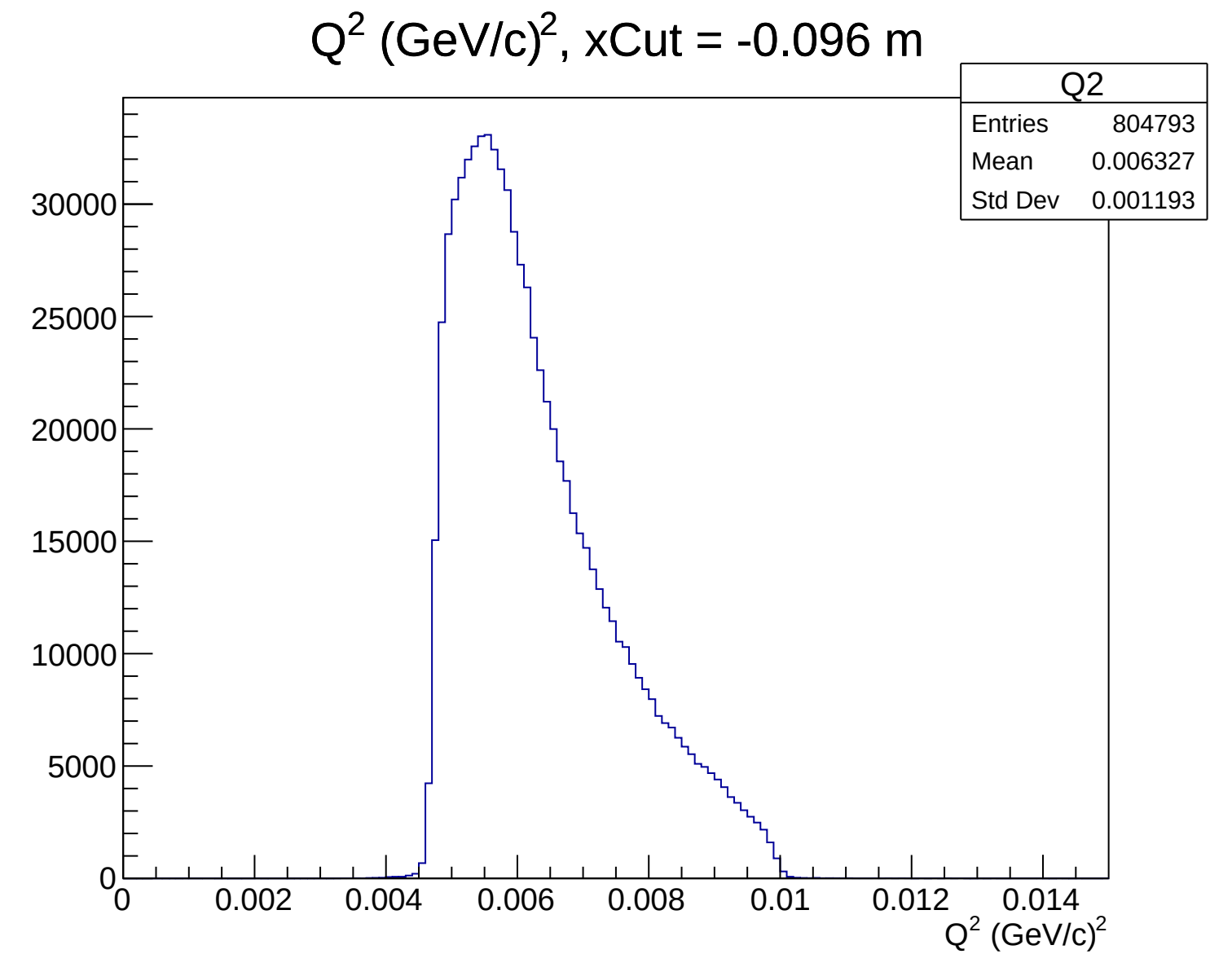

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.096
R.tr.x[0]+1.3*R.tr.th[0] (m)

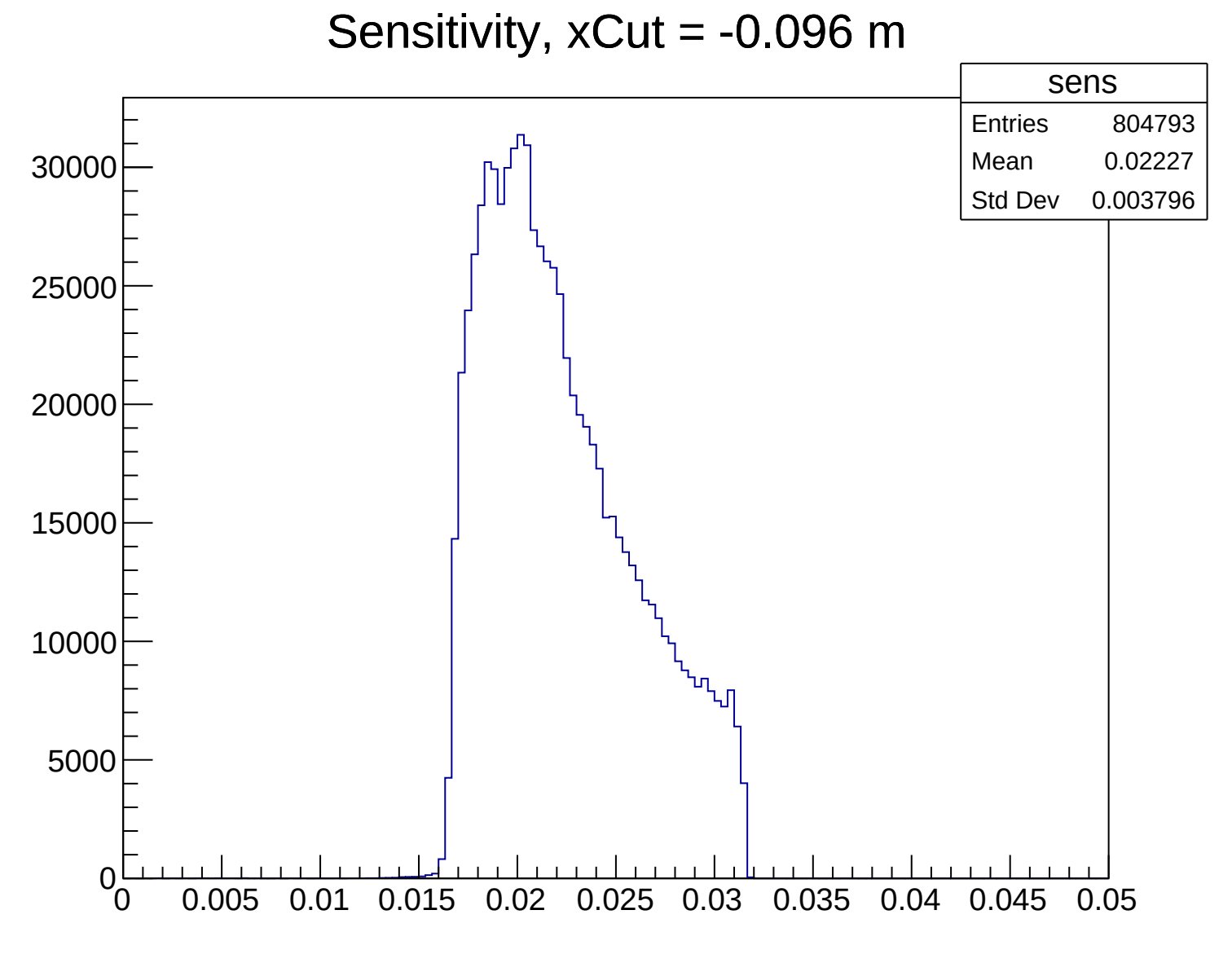

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

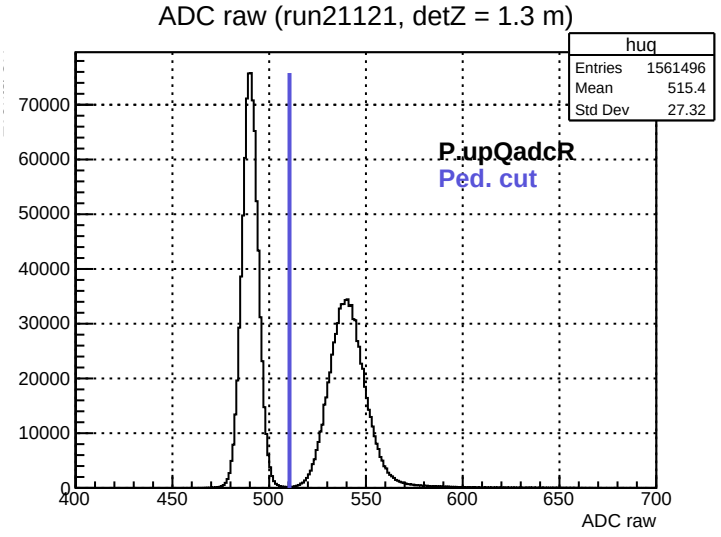

θlab (deg), xCut = -0.096 m
Theta
Entries 804793
Mean 4.787
Std Dev 0.4405
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

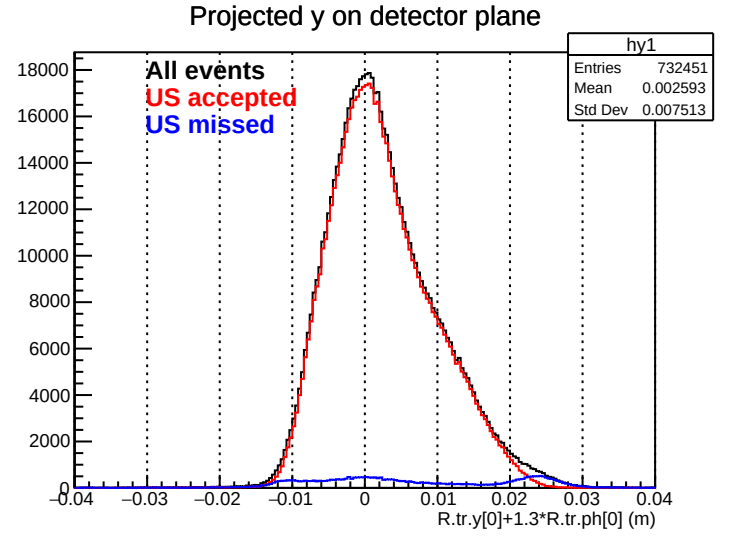

Asymmetry (ppm), xCut = -0.096 m
Asym
Entries 804793
Mean 0.5721
Std Dev 0.07497
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

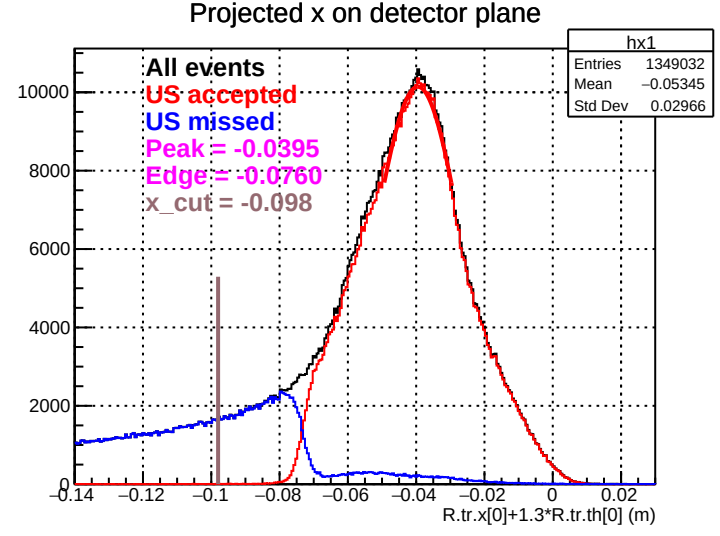

Stretched Asym. (ppm), xCut = -0.096 m
SAsym
Entries 804793
Mean 0.5591
Std Dev 0.07128
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

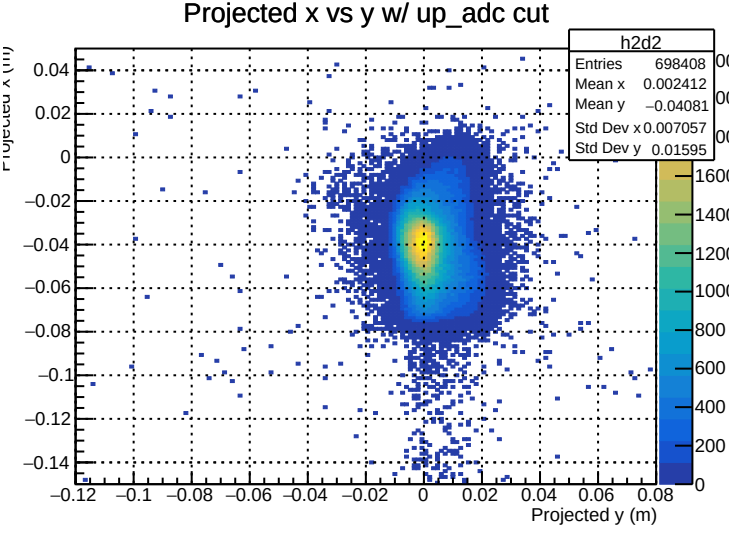

Q^2 (GeV/c)^2, xCut = -0.096 m
Q2
Entries 804793
Mean 0.006327
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

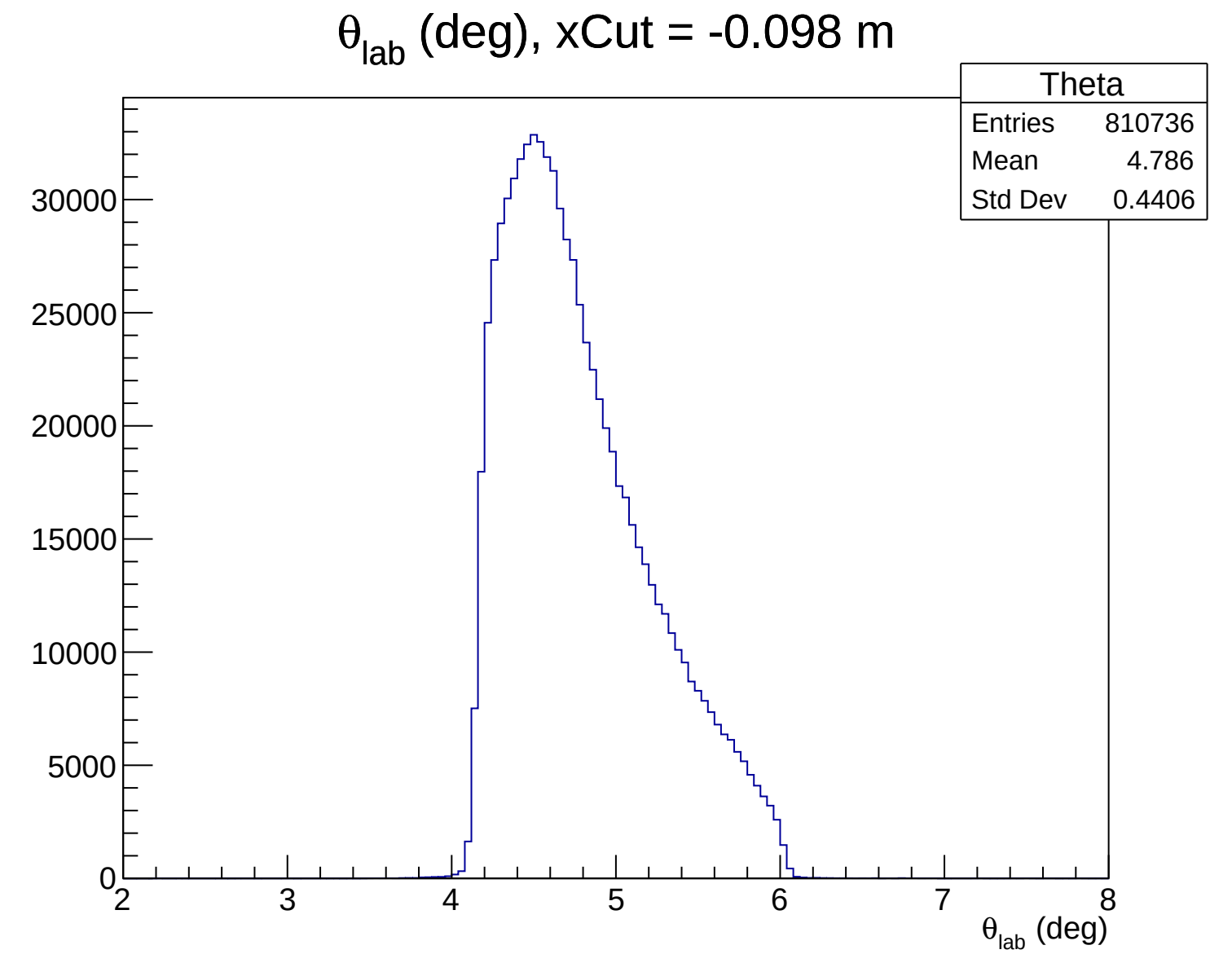

Sensitivity, xCut = -0.096 m
sens
Entries 804793
Mean 0.02227
Std Dev 0.003796
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

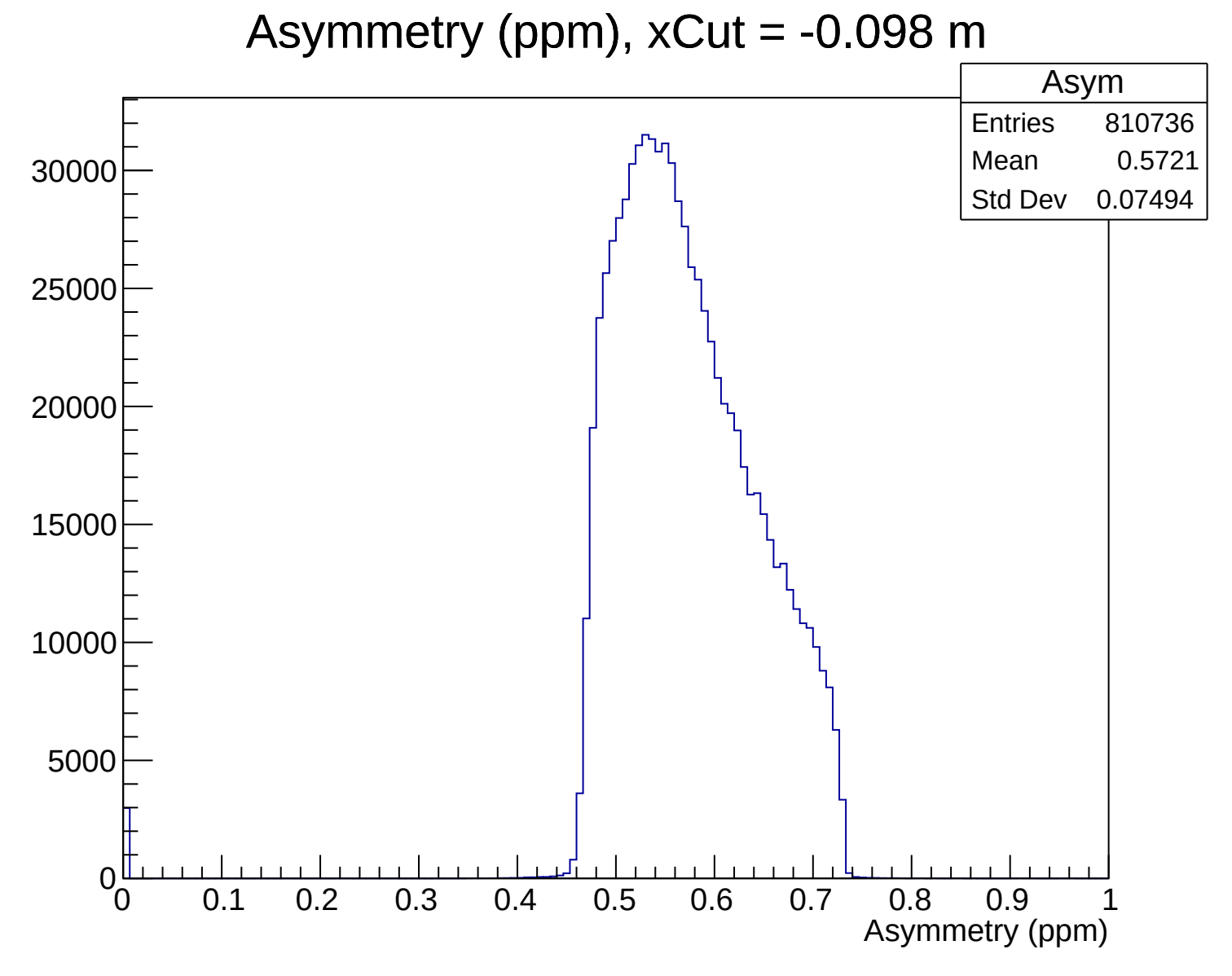

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

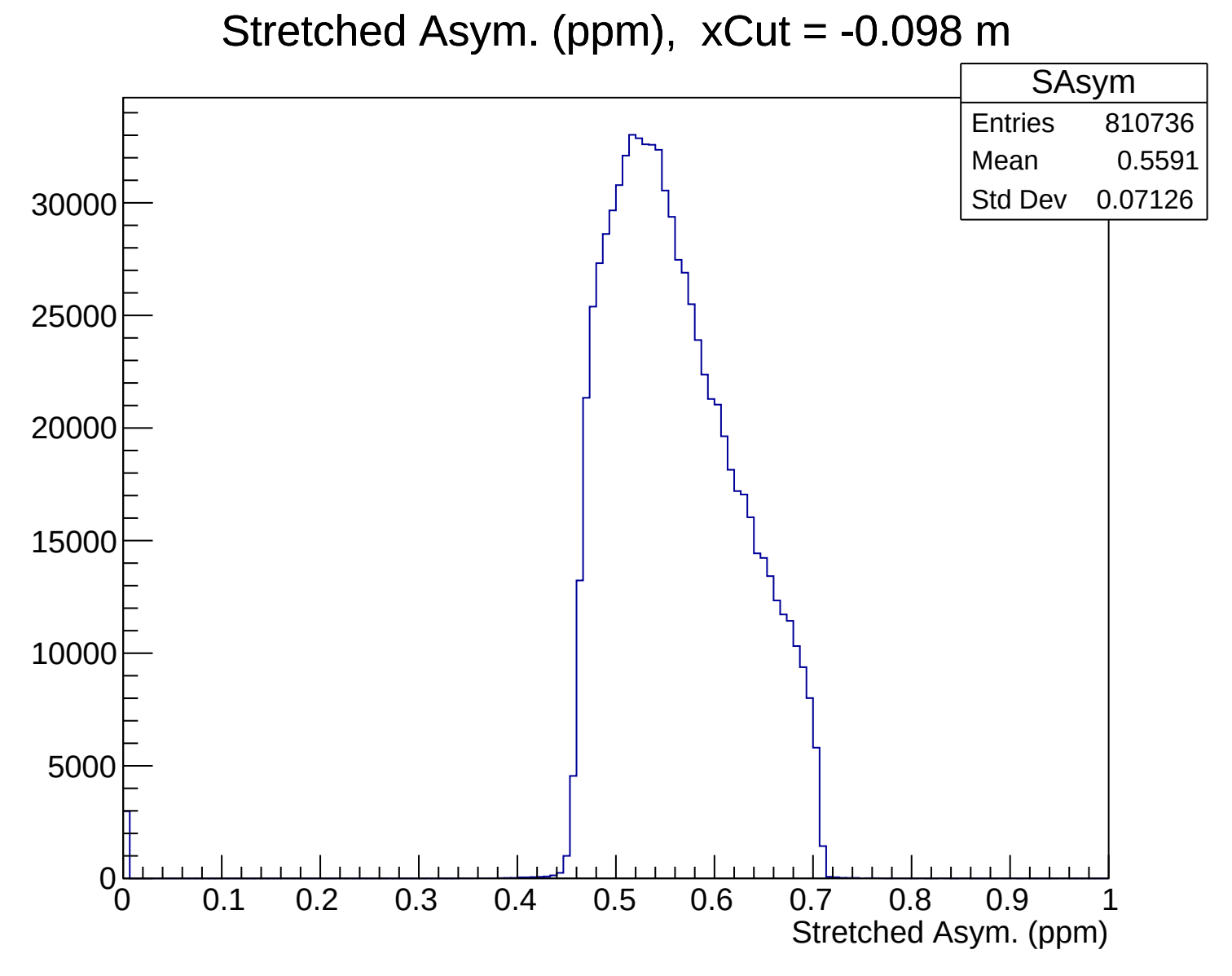

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

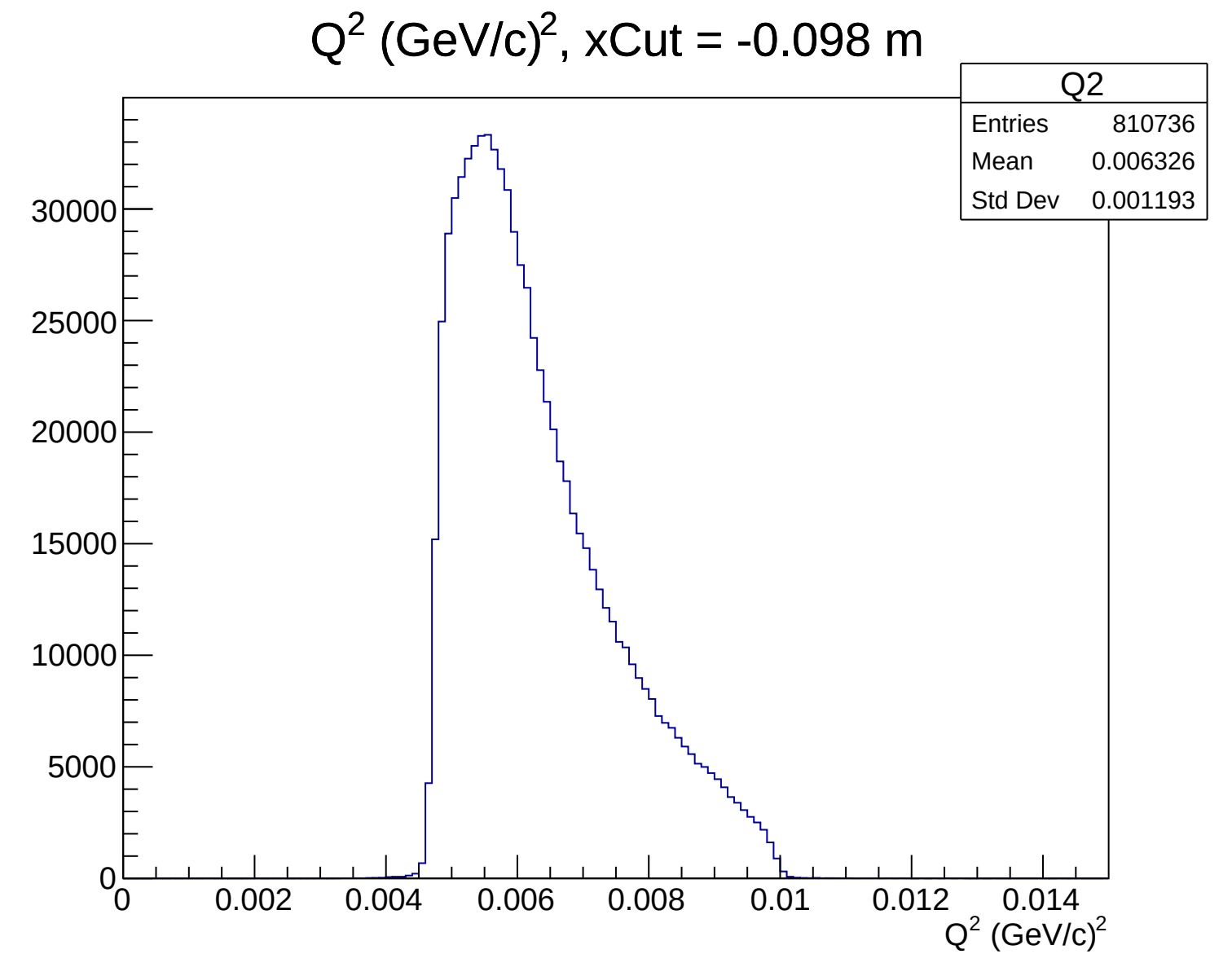

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.098
R.tr.x[0]+1.3*R.tr.th[0] (m)

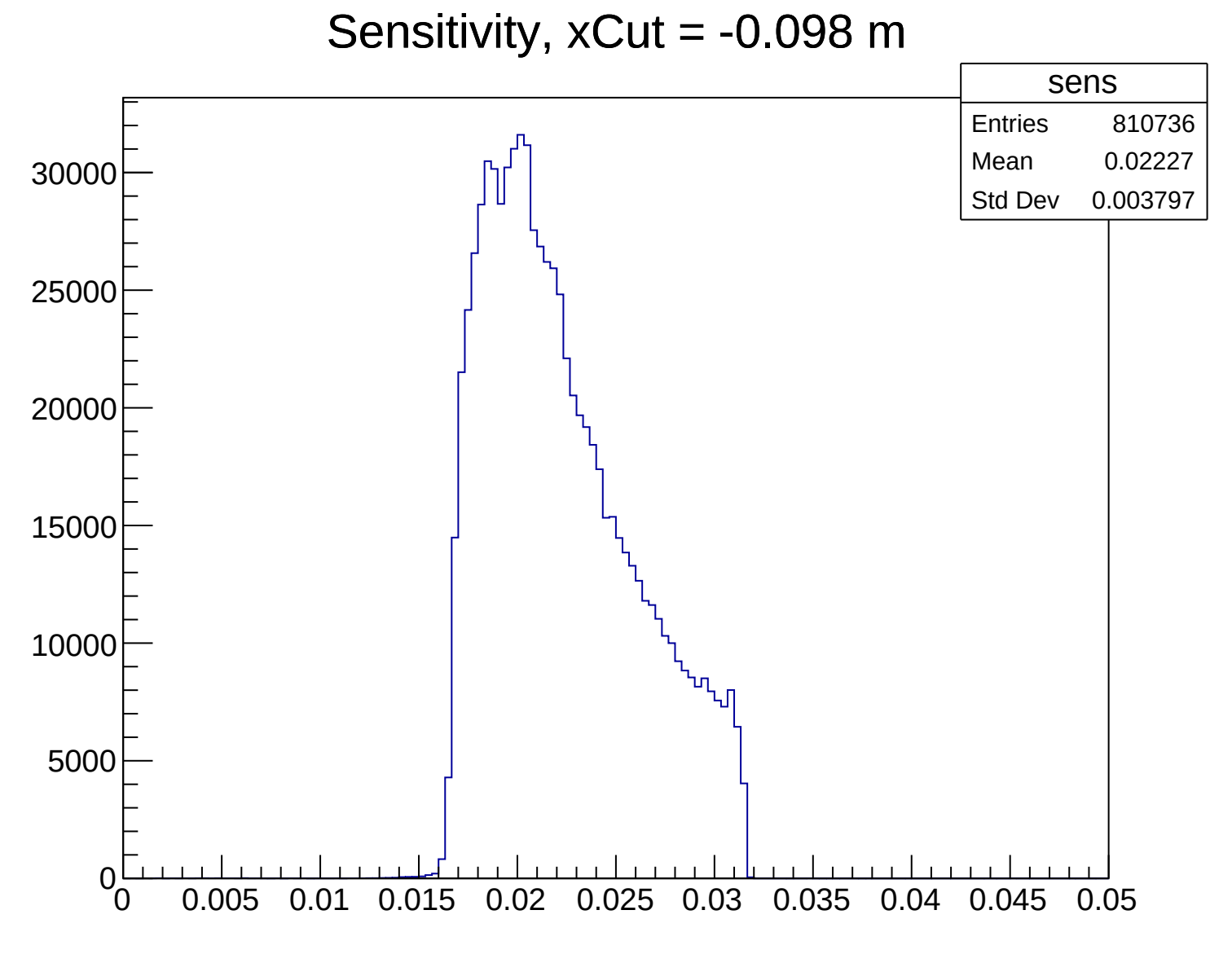

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

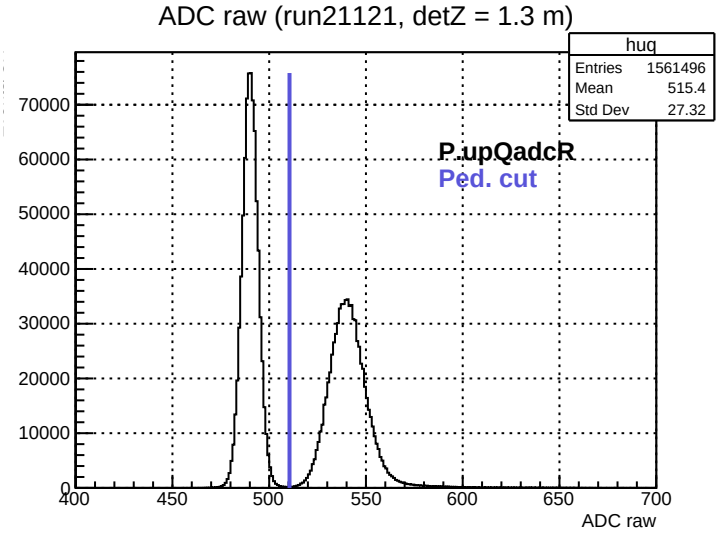

θlab (deg), xCut = -0.098 m
Theta
Entries 810736
Mean 4.786
Std Dev 0.4406
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

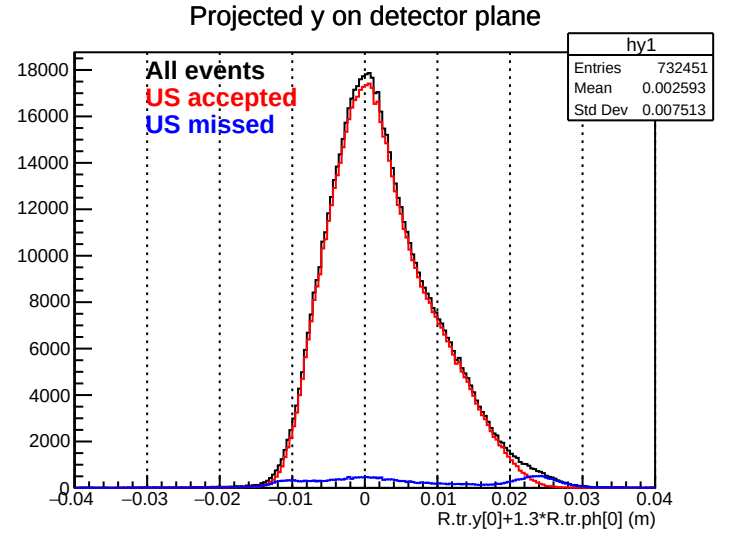

Asymmetry (ppm), xCut = -0.098 m
Asym
Entries 810736
Mean 0.5721
Std Dev 0.07494
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

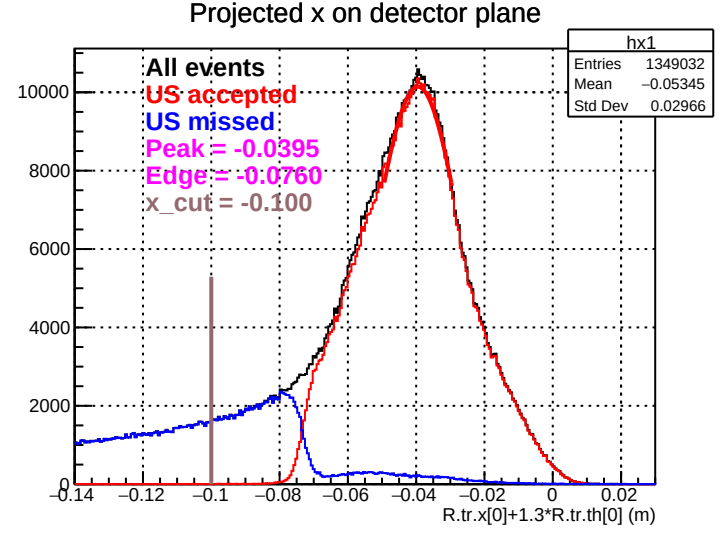

Stretched Asym. (ppm), xCut = -0.098 m
SAsym
Entries 810736
Mean 0.5591
Std Dev 0.07126
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

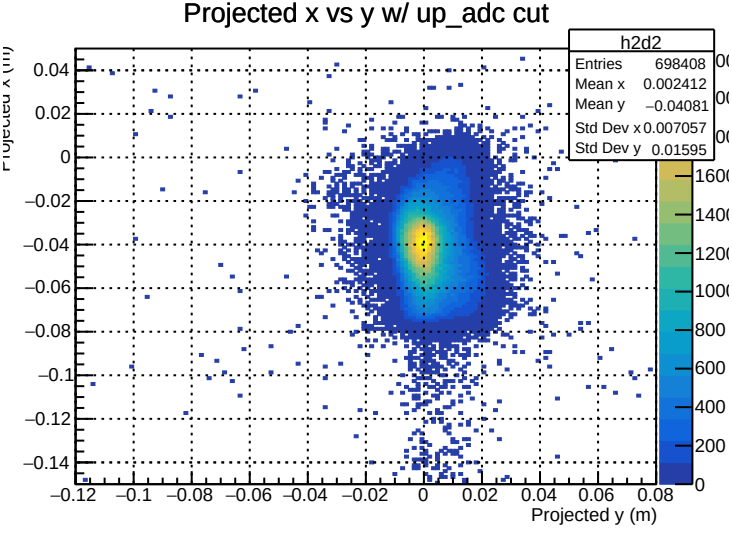

Q^2 (GeV/c)^2, xCut = -0.098 m
Q2
Entries 810736
Mean 0.006326
Std Dev 0.001193
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

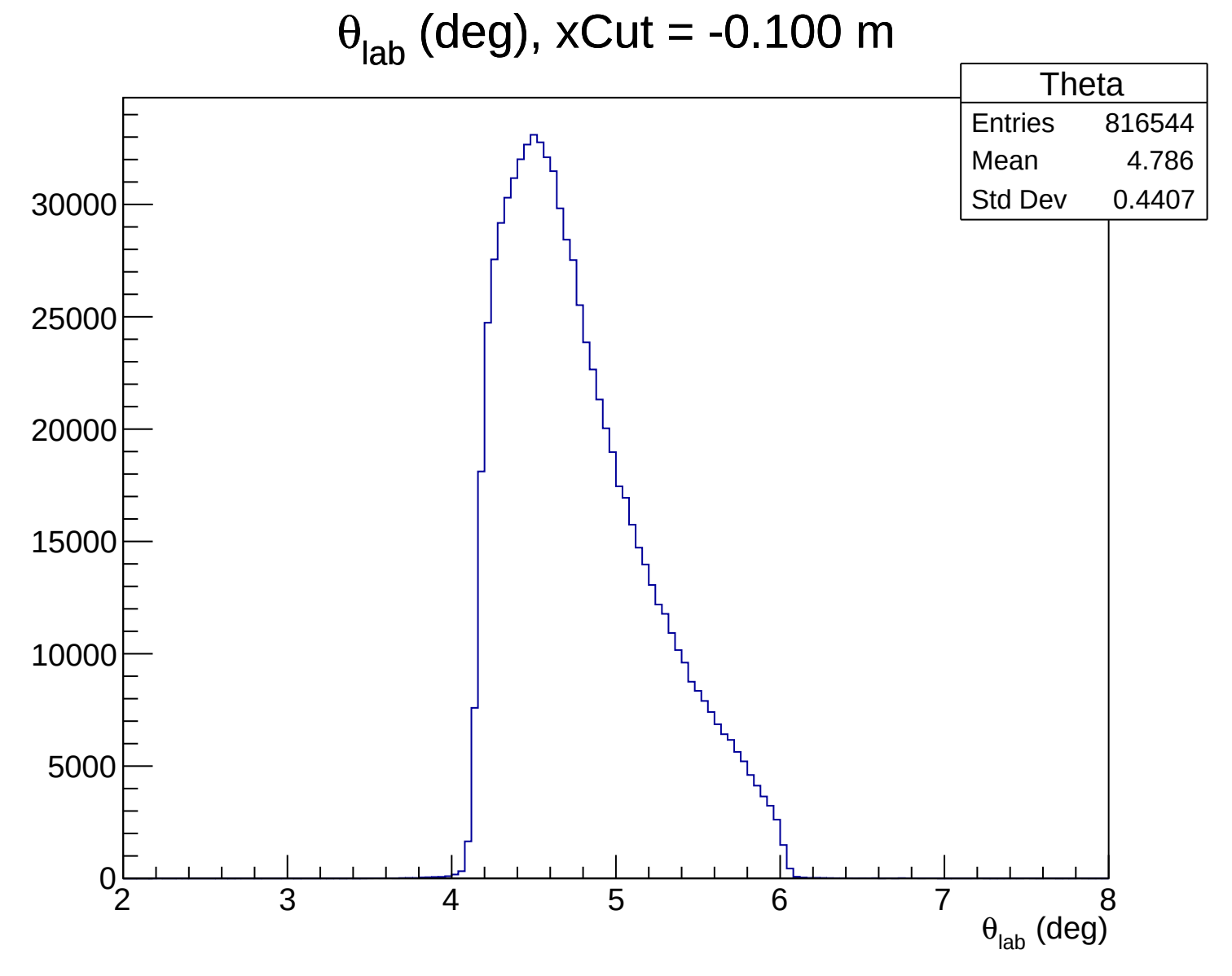

Sensitivity, xCut = -0.098 m
sens
Entries 810736
Mean 0.02227
Std Dev 0.003797
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

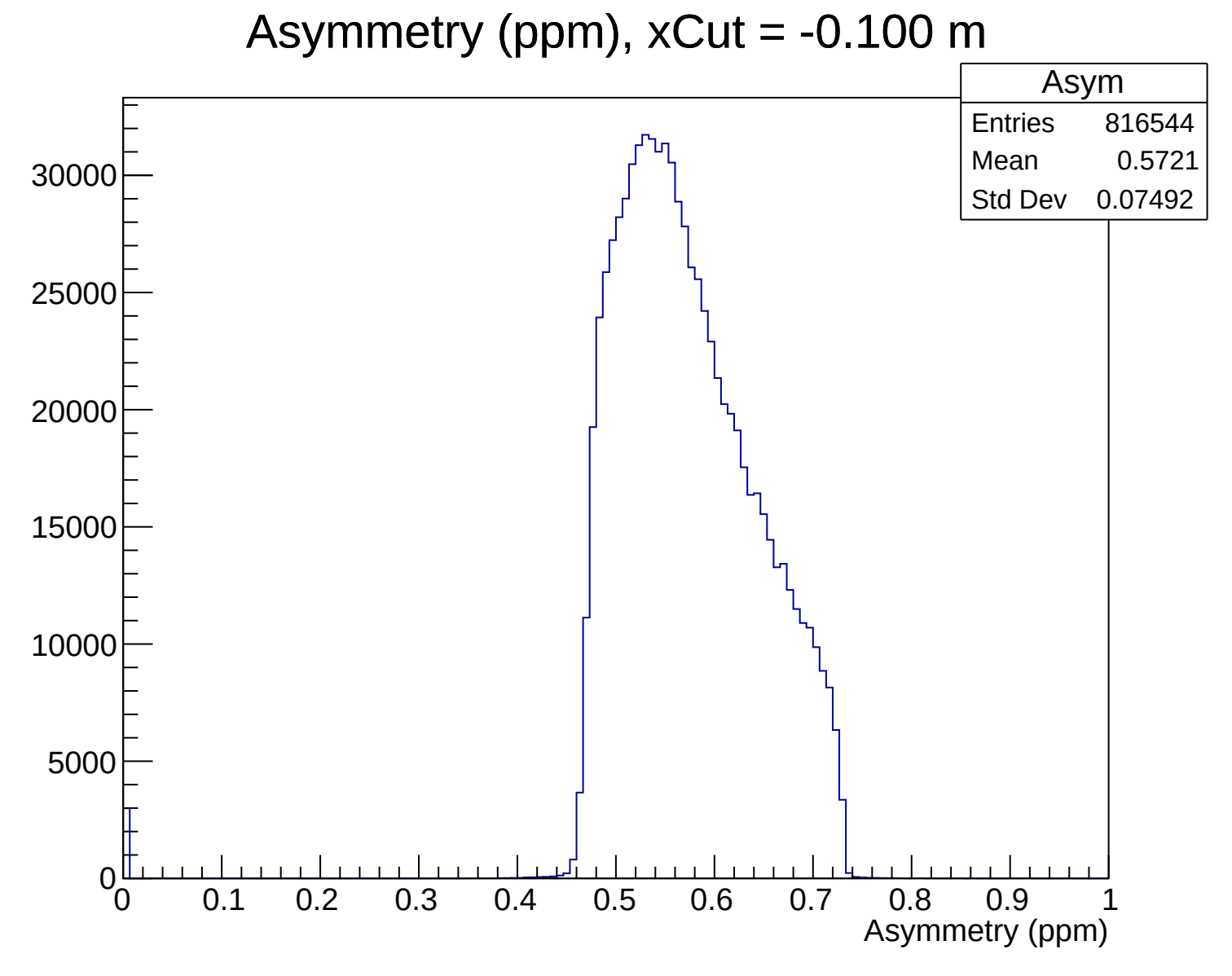

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

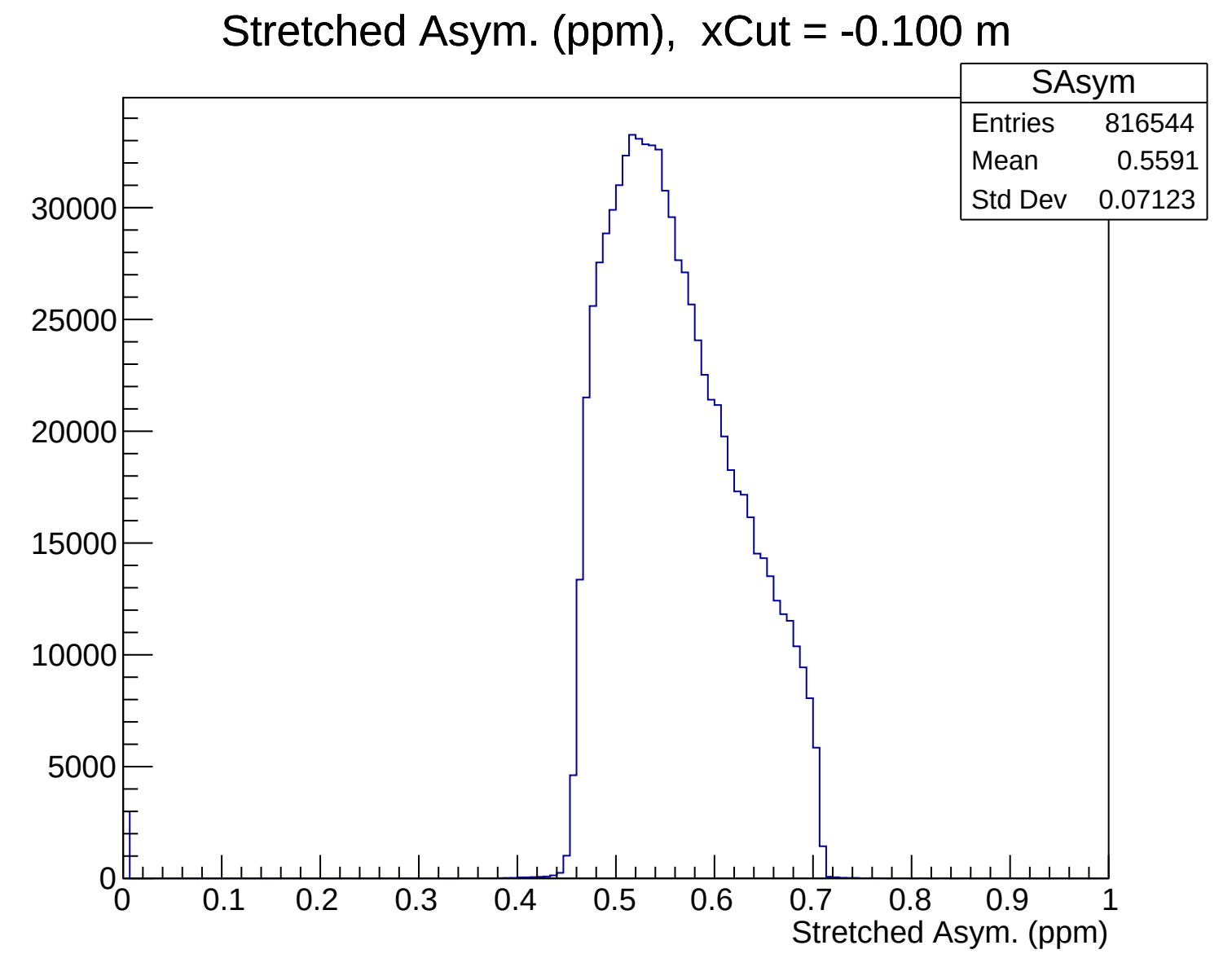

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

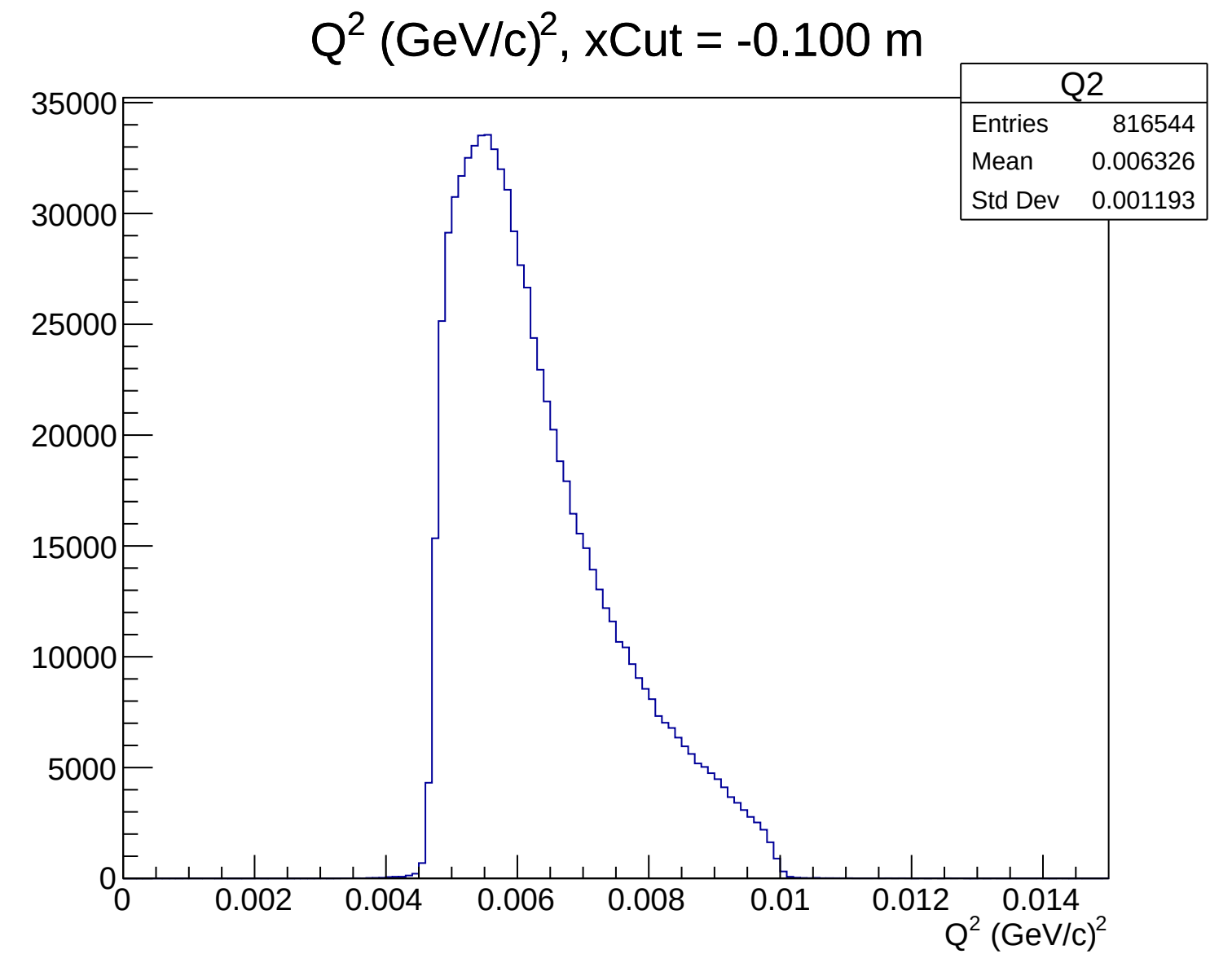

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.100
R.tr.x[0]+1.3*R.tr.th[0] (m)

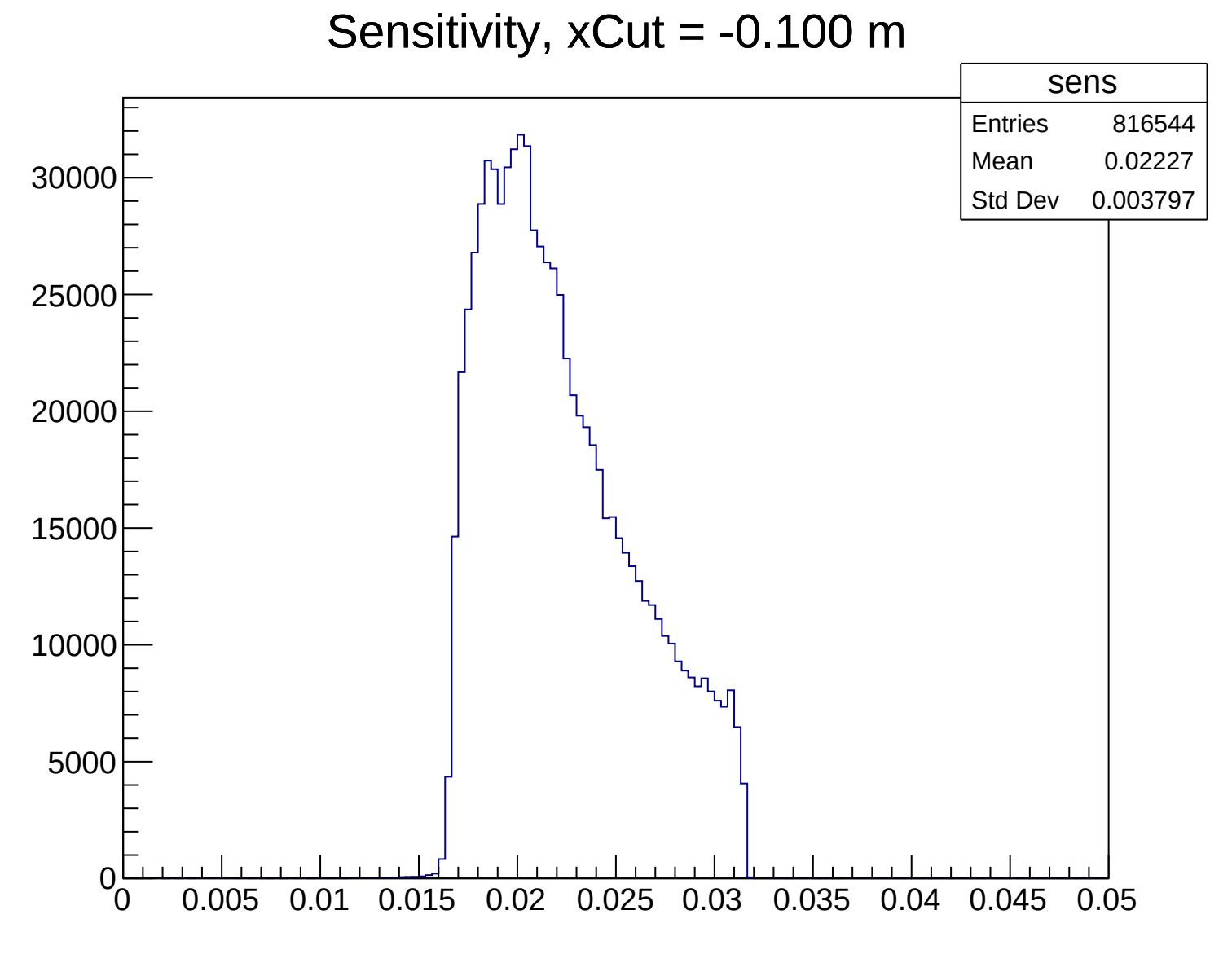

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

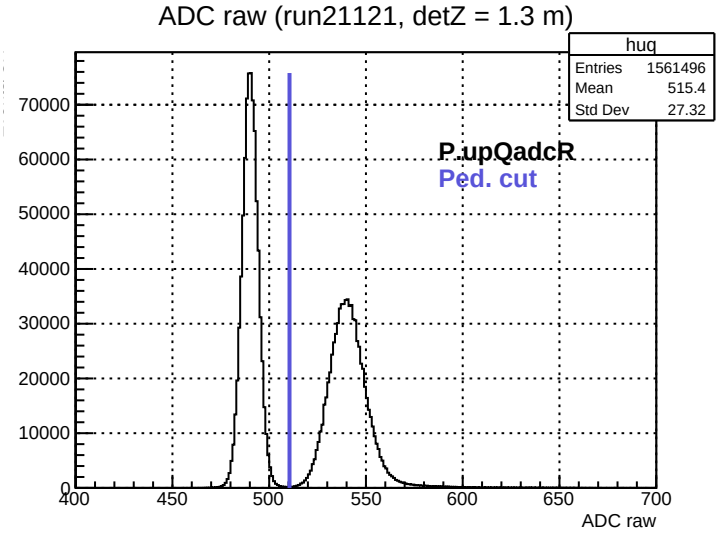

θlab (deg), xCut = -0.100 m
Theta
Entries 816544
Mean 4.786
Std Dev 0.4407
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

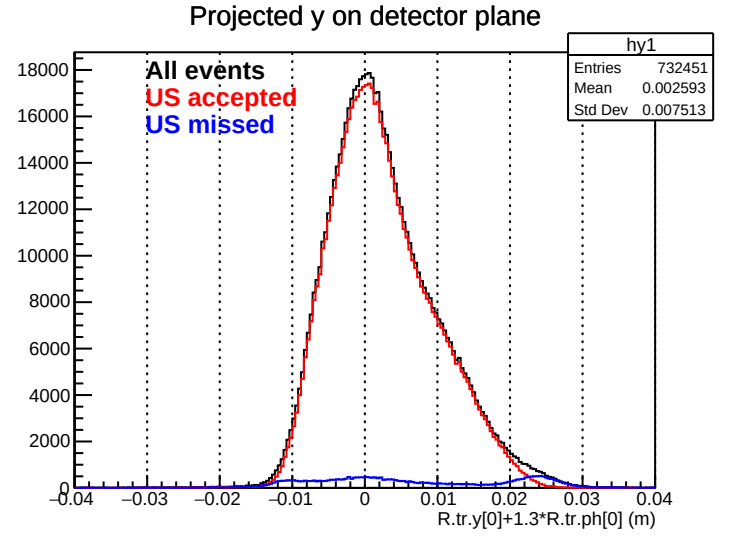

Asymmetry (ppm), xCut = -0.100 m
Asym
Entries 816544
Mean 0.5721
Std Dev 0.07492
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

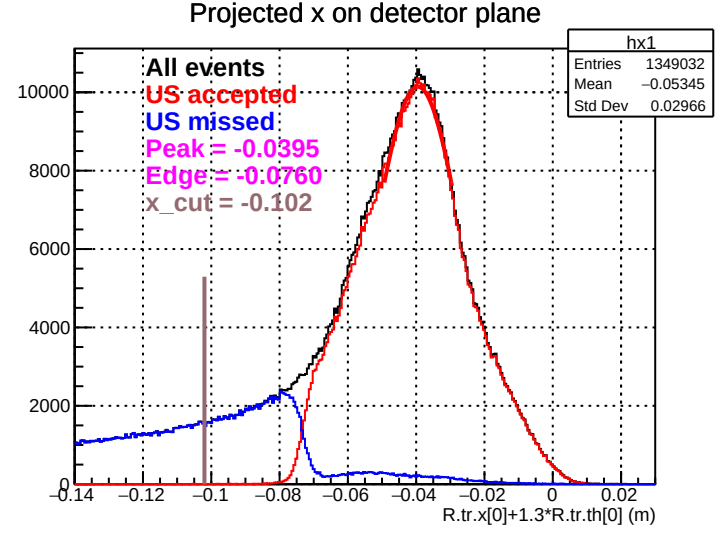

Stretched Asym. (ppm), xCut = -0.100 m
SAsym
Entries 816544
Mean 0.5591
Std Dev 0.07123
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

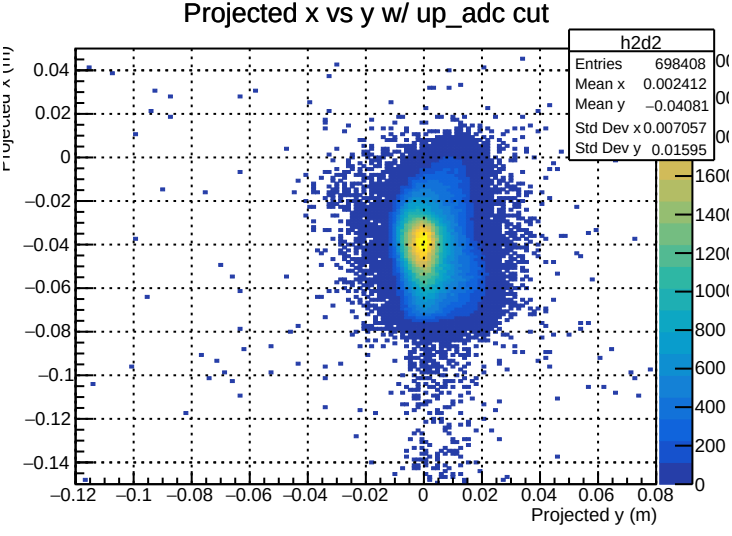

Q^2 (GeV/c)^2, xCut = -0.100 m
Q2
Entries 816544
Mean 0.006326
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

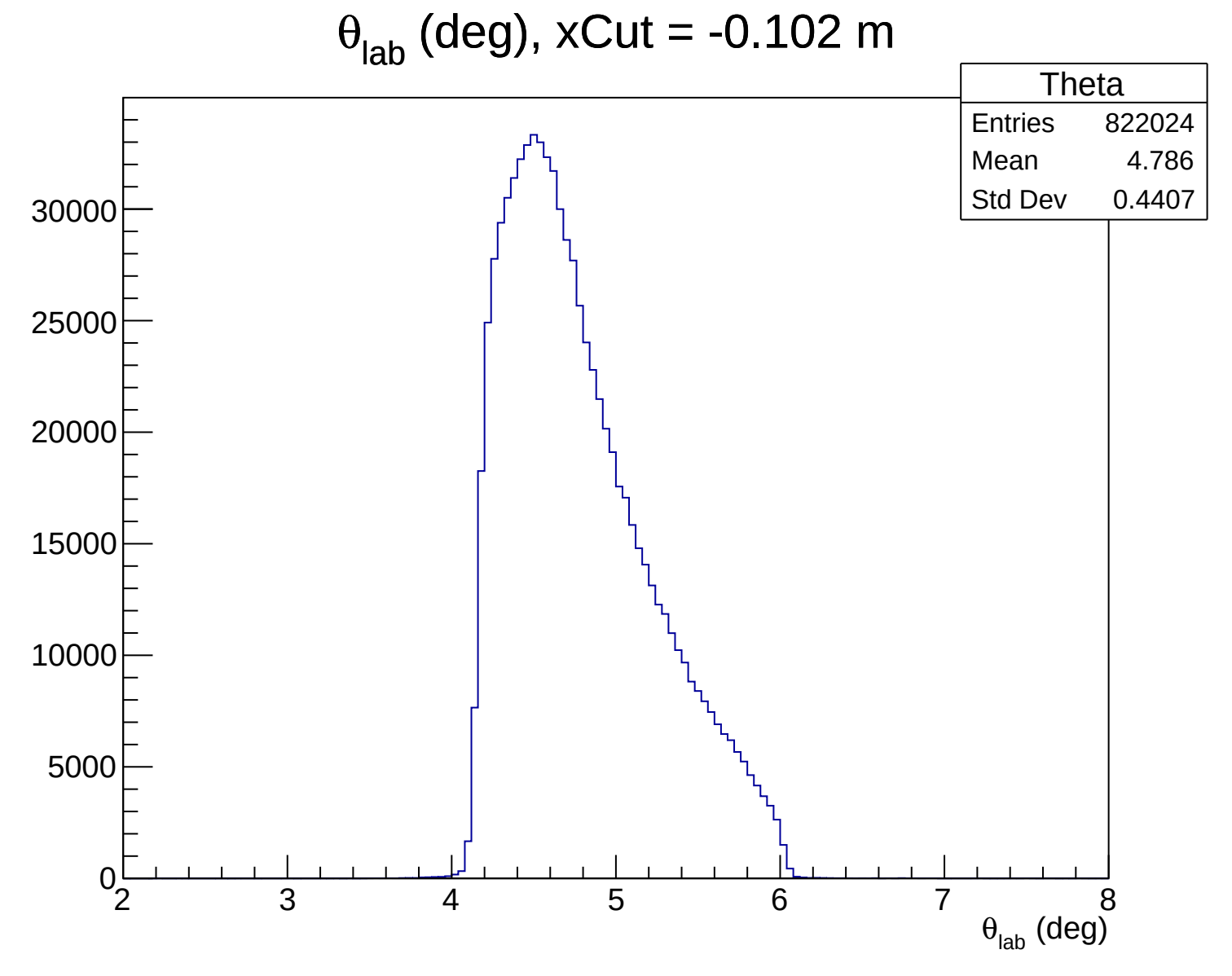

Sensitivity, xCut = -0.100 m
sens
Entries 816544
Mean 0.02227
Std Dev 0.003797
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

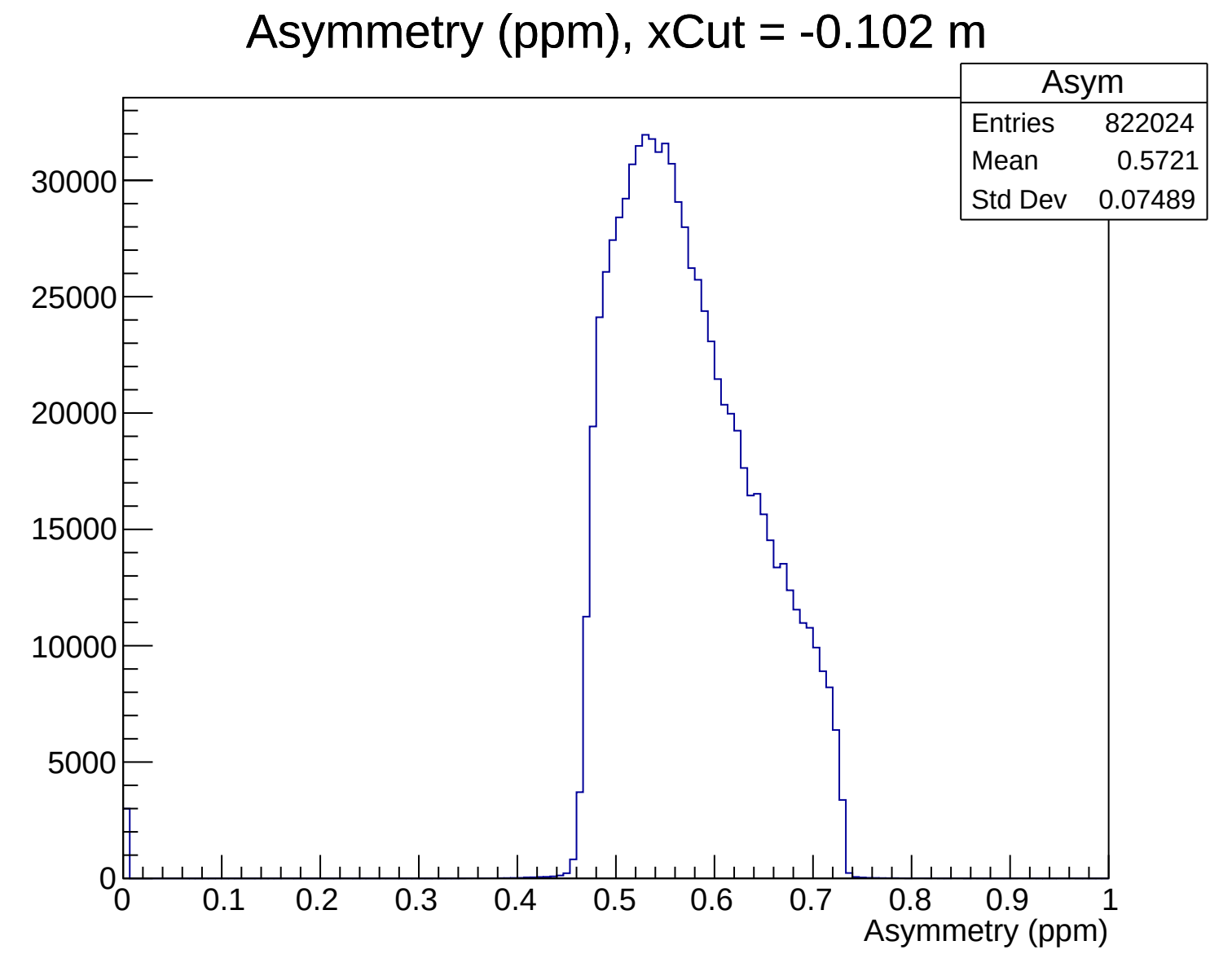

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

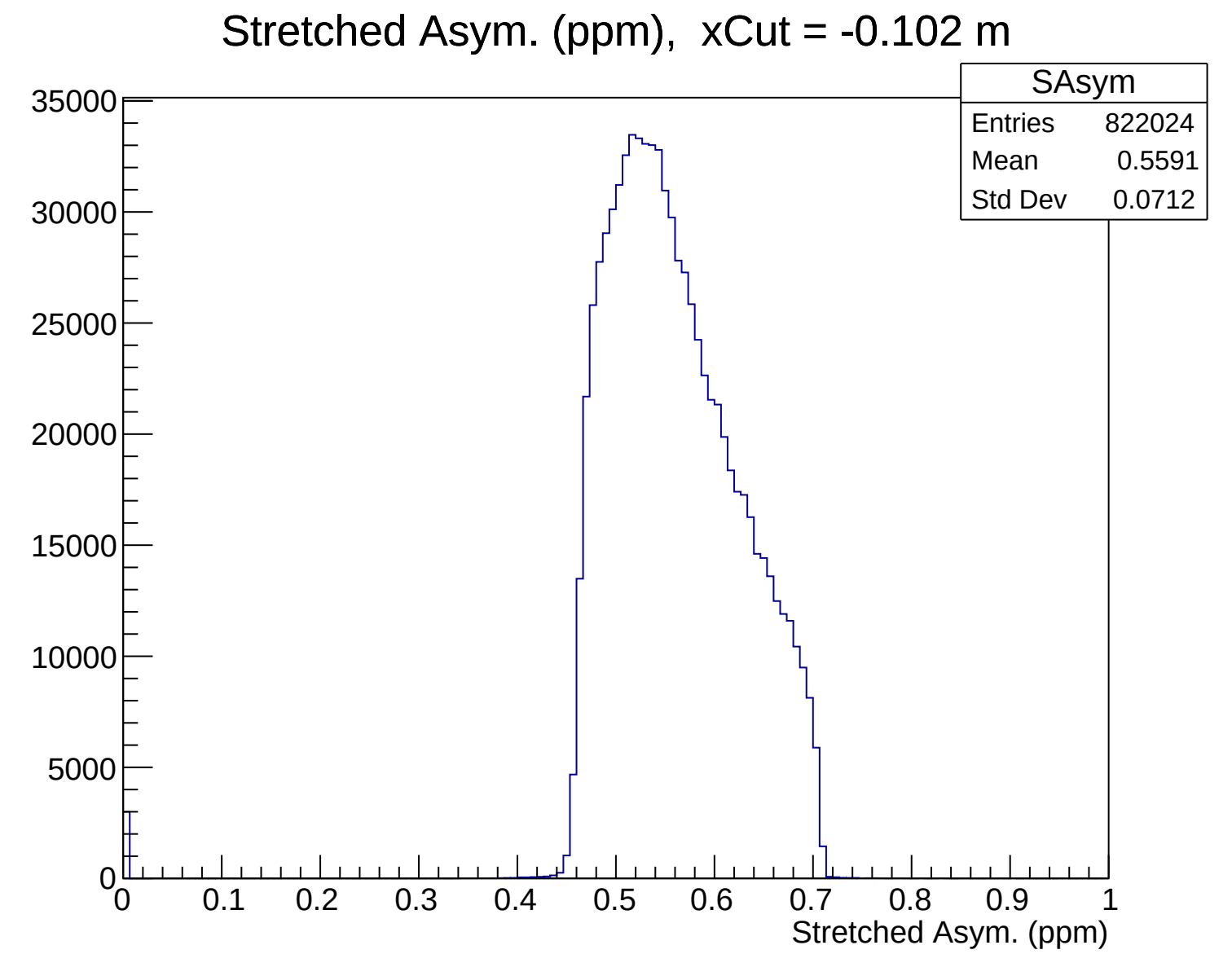

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

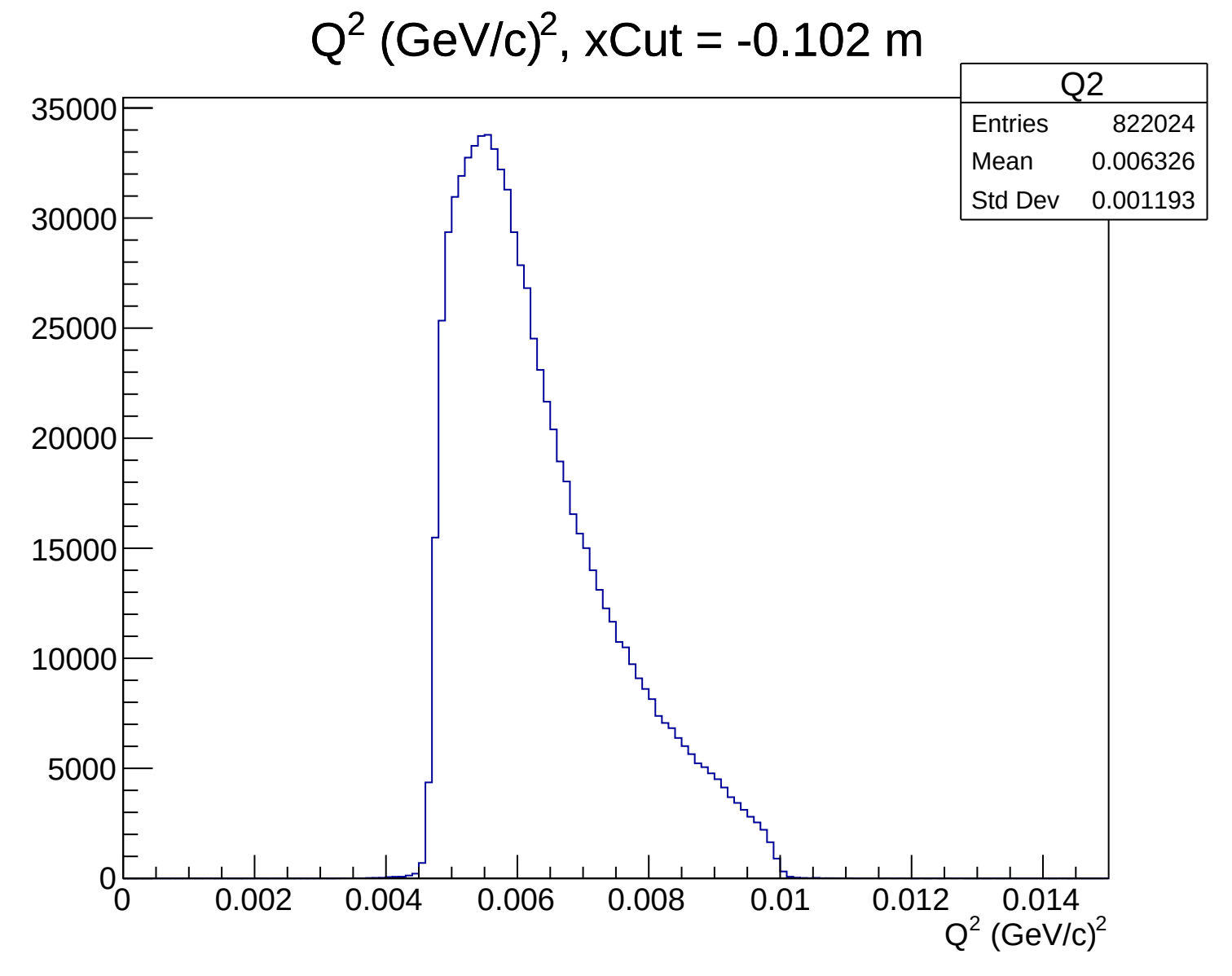

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.102
R.tr.x[0]+1.3*R.tr.th[0] (m)

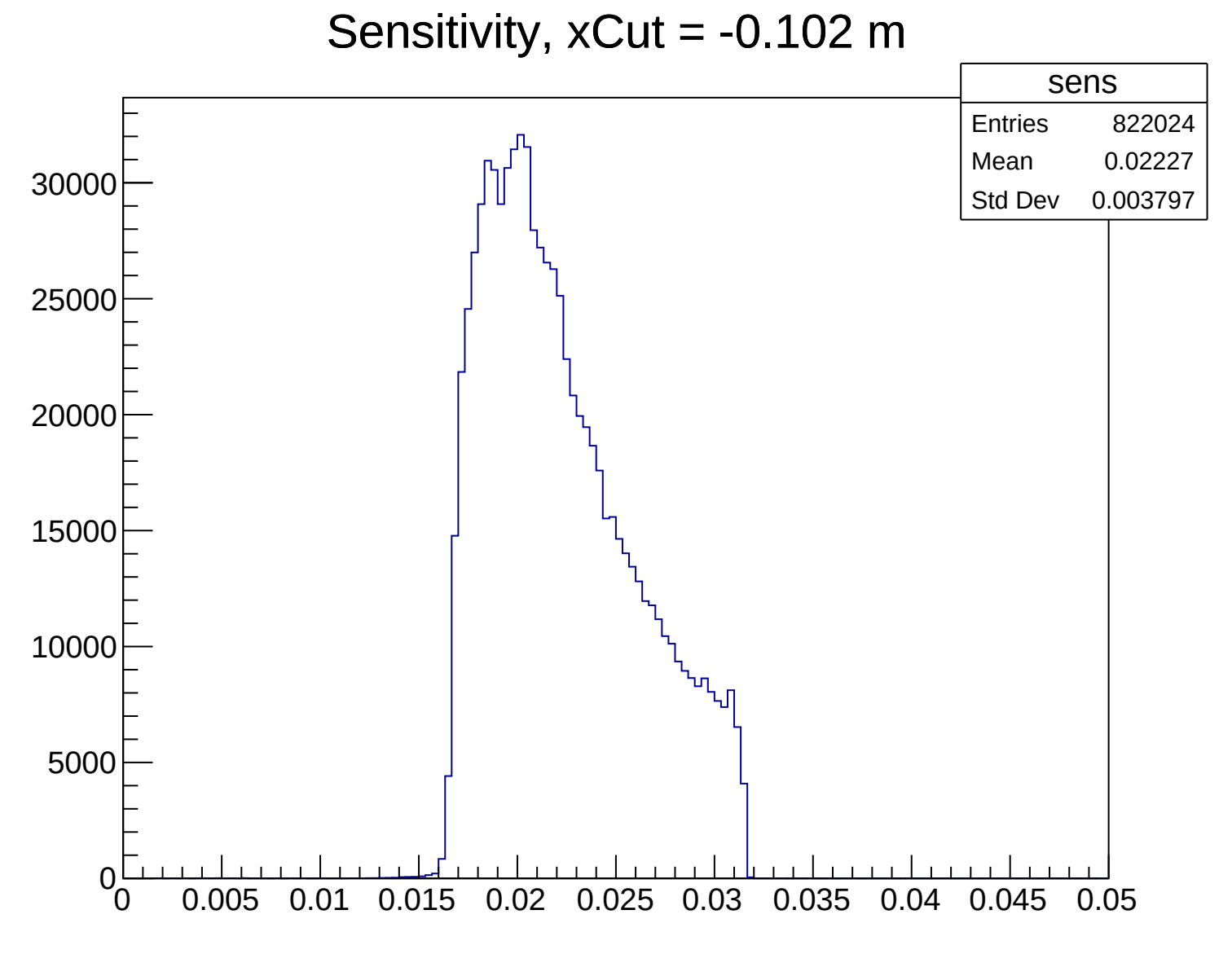

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

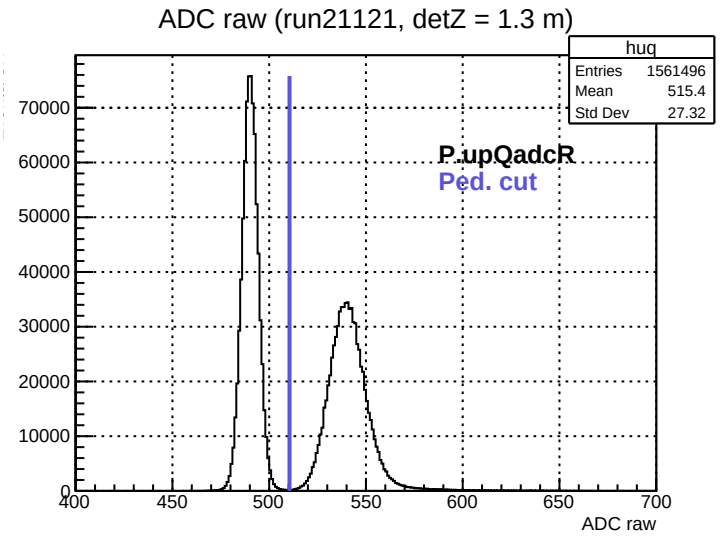

θlab (deg), xCut = -0.102 m
Theta
Entries 822024
Mean 4.786
Std Dev 0.4407
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

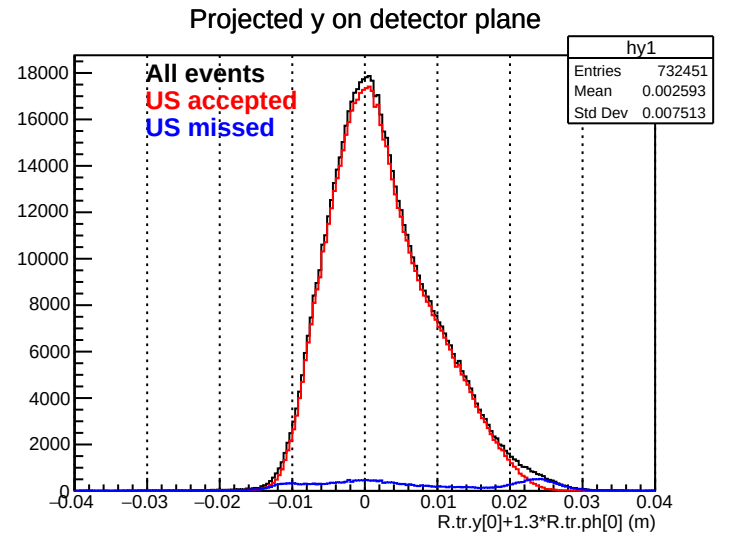

Asymmetry (ppm), xCut = -0.102 m
Asym
Entries 822024
Mean 0.5721
Std Dev 0.07489
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

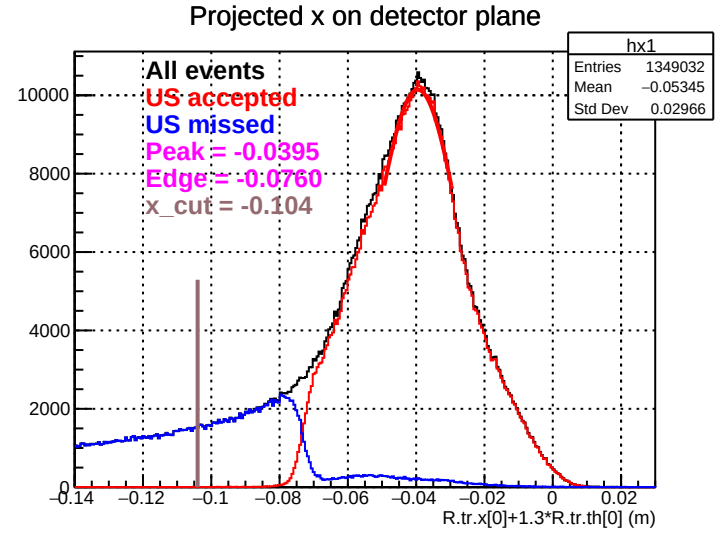

Stretched Asym. (ppm), xCut = -0.102 m
SAsym
Entries 822024
Mean 0.5591
Std Dev 0.0712
35000
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

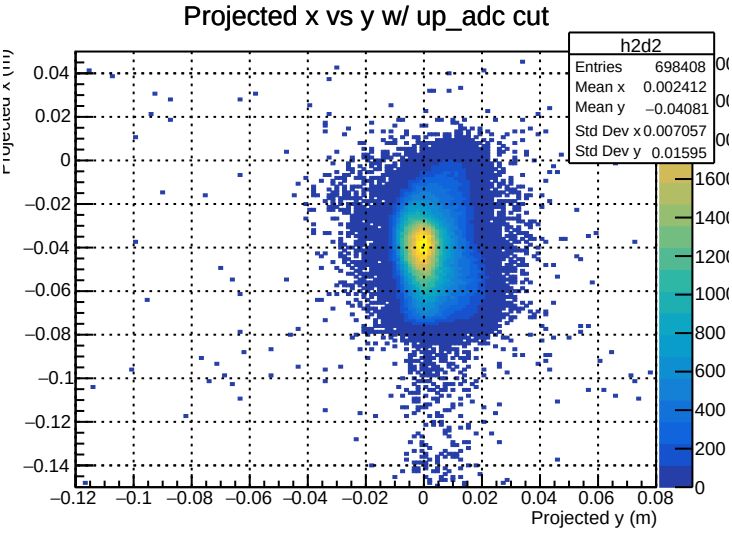

Q^2 (GeV/c)^2, xCut = -0.102 m
Q2
Entries 822024
Mean 0.006326
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

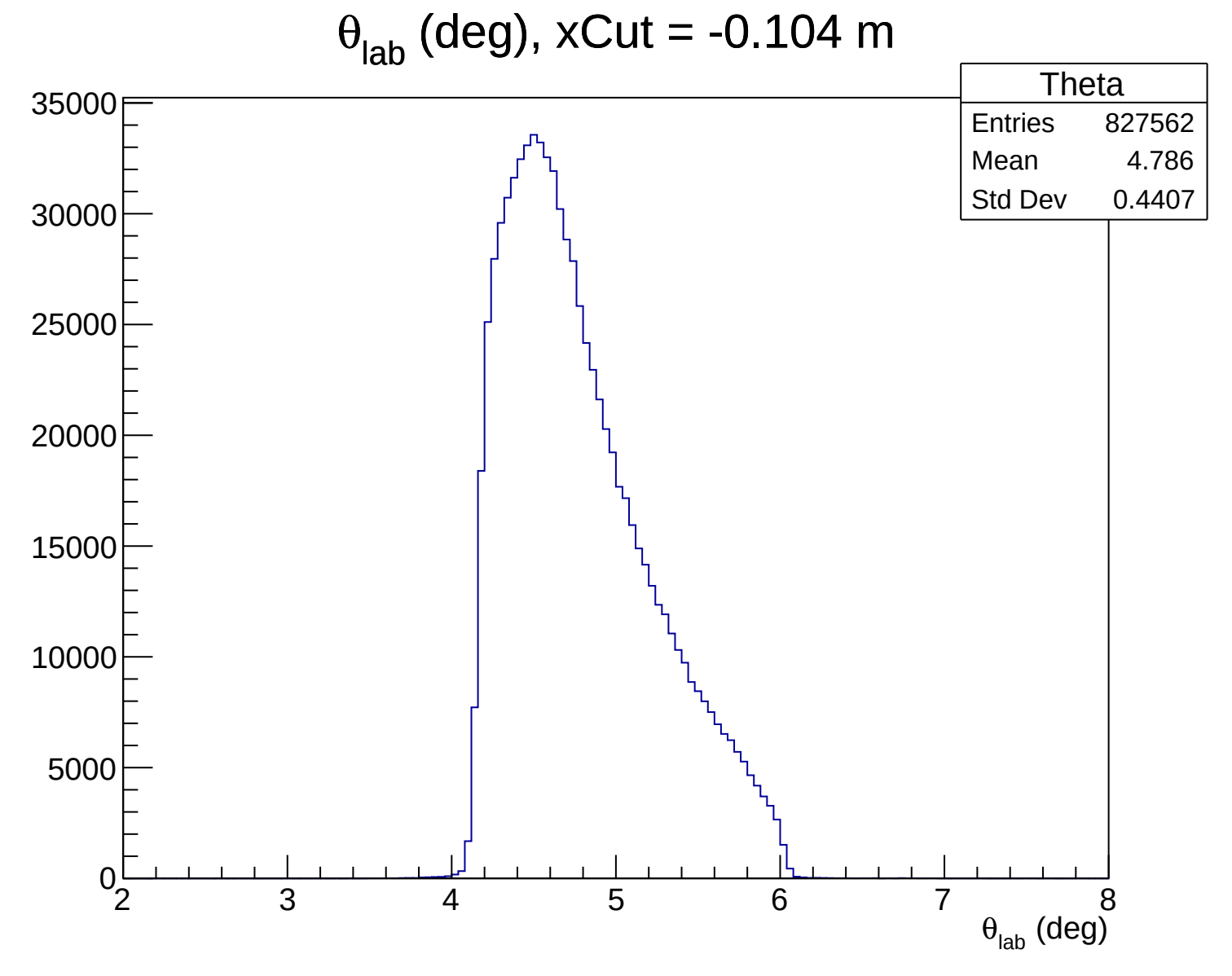

Sensitivity, xCut = -0.102 m
sens
Entries 822024
Mean 0.02227
Std Dev 0.003797
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

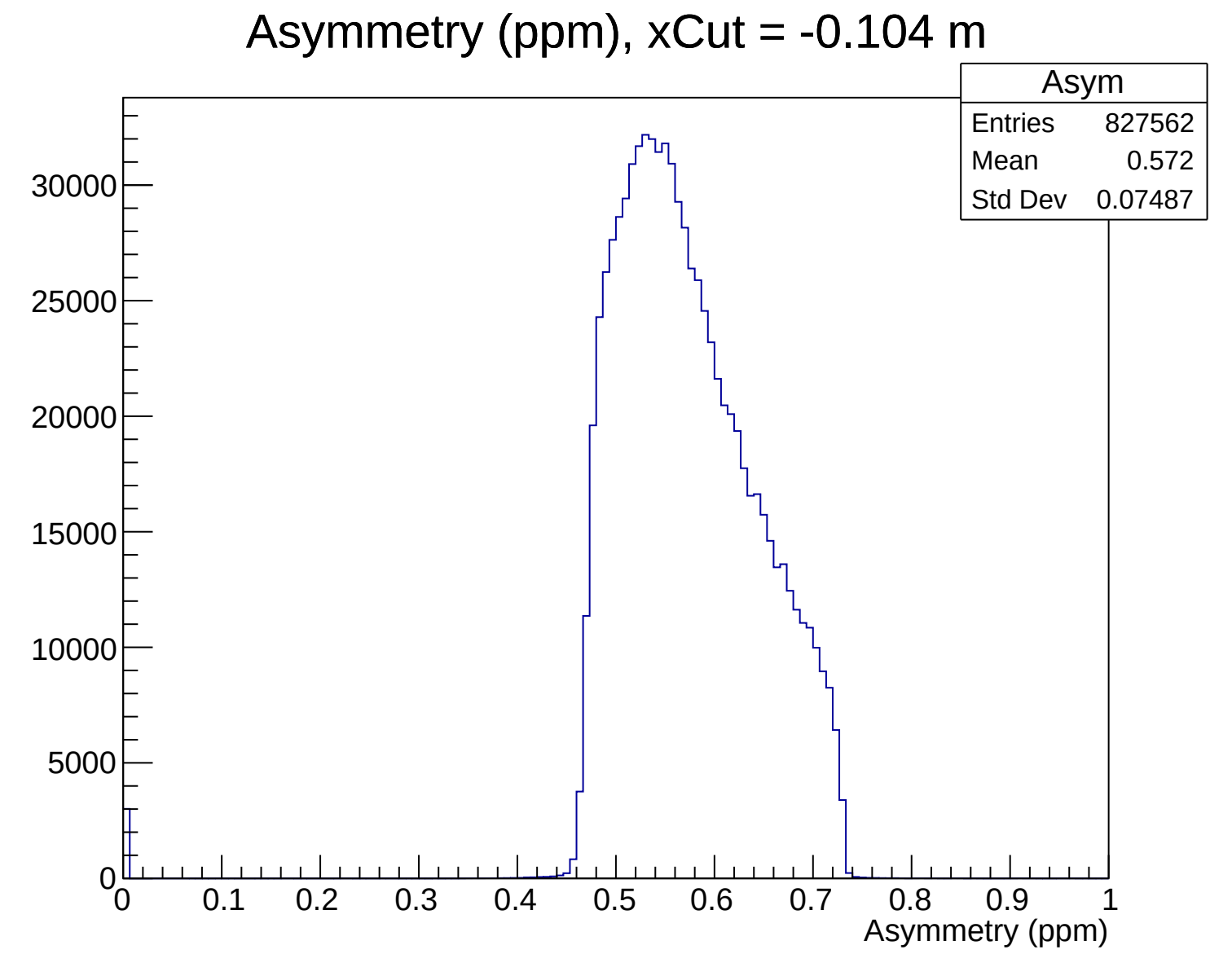

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

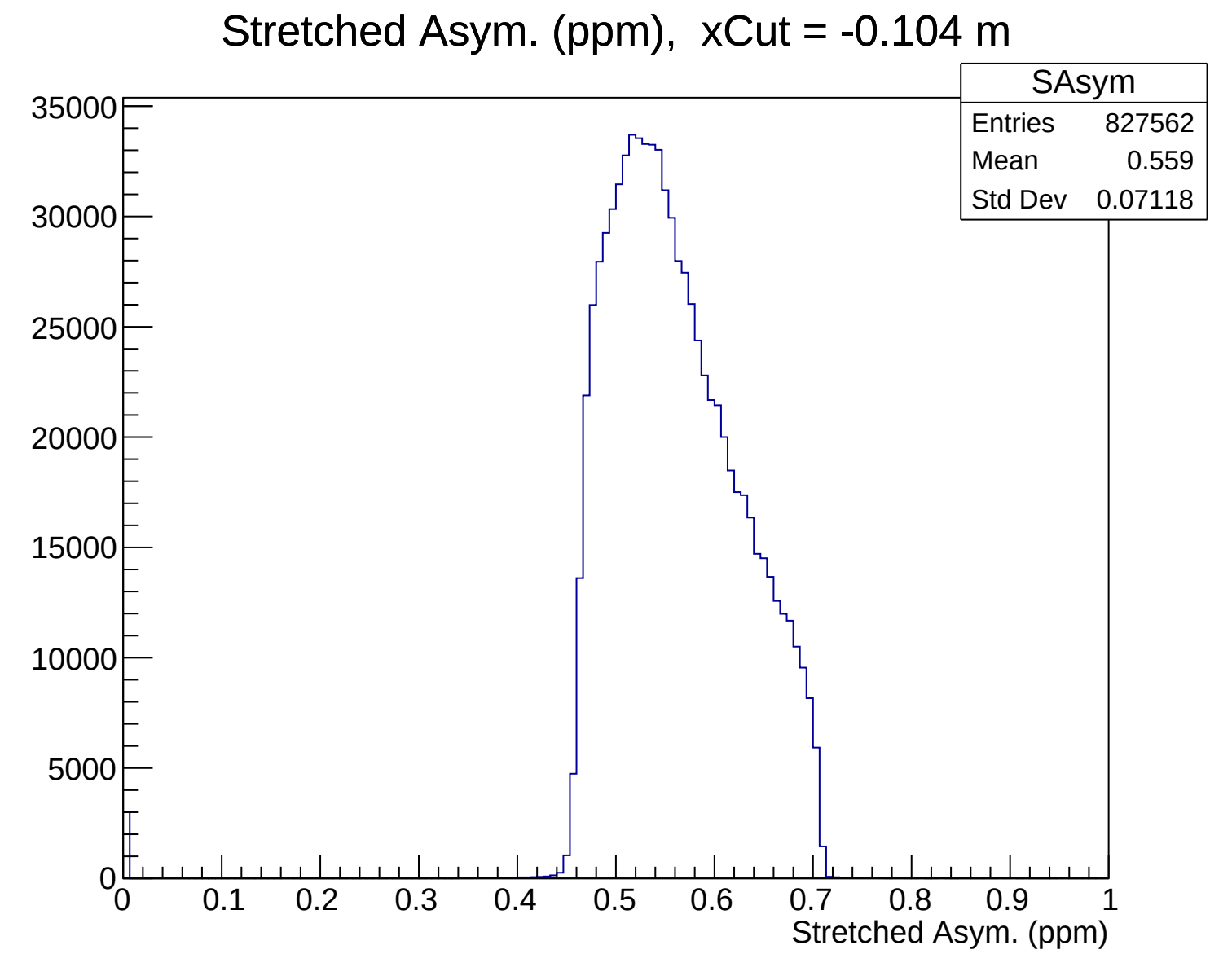

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

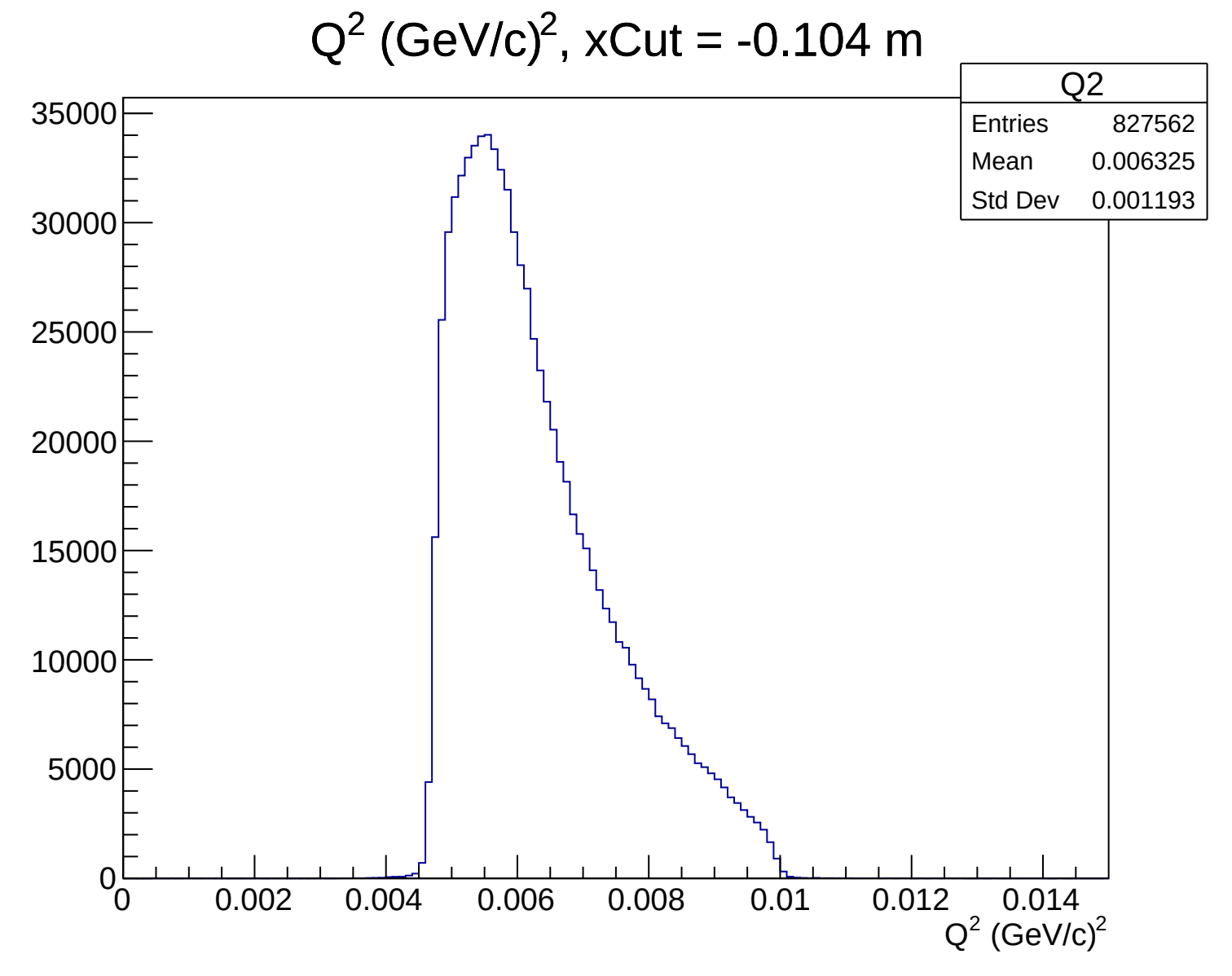

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.104
R.tr.x[0]+1.3*R.tr.th[0] (m)

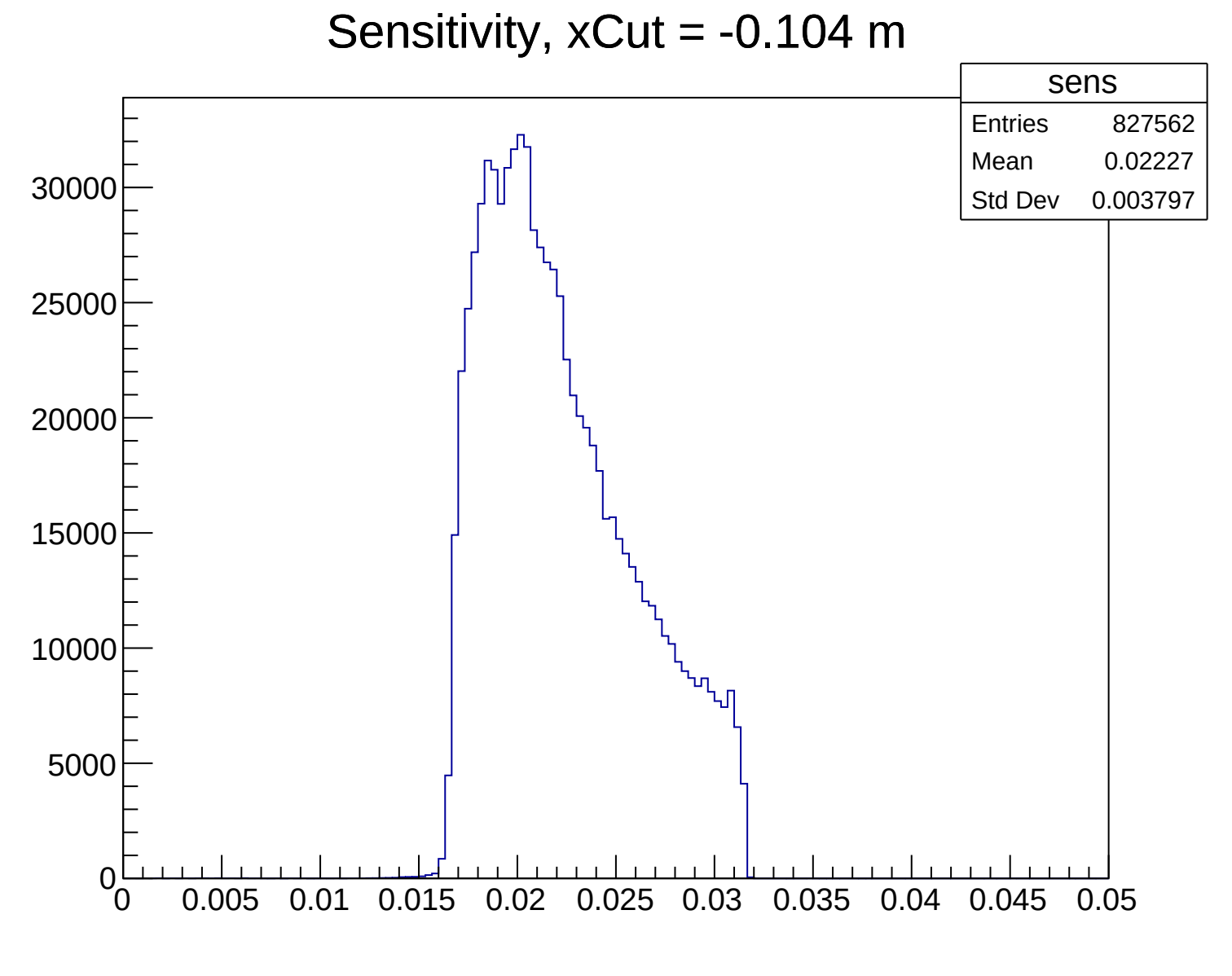

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

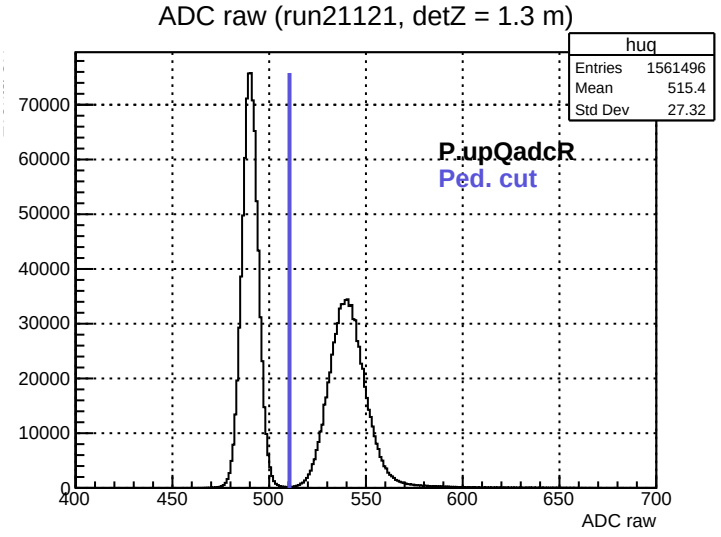

θlab (deg), xCut = -0.104 m
Theta
Entries 827562
Mean 4.786
Std Dev 0.4407
35000
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

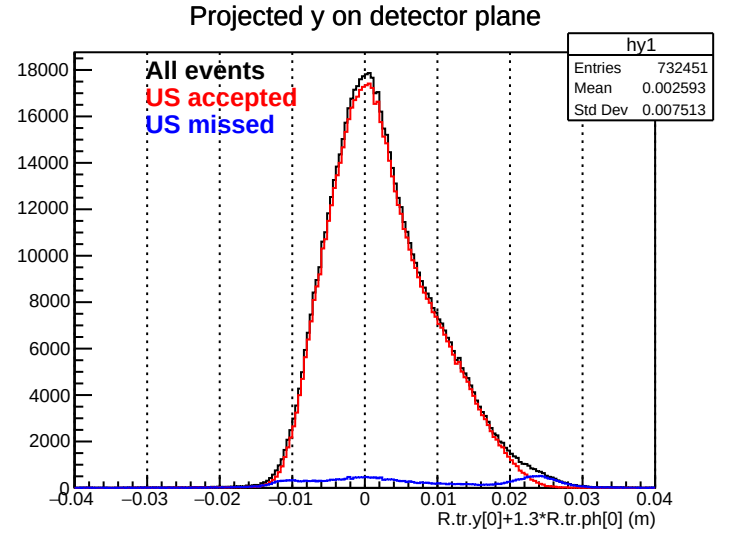

Asymmetry (ppm), xCut = -0.104 m
Asym
Entries 827562
Mean 0.572
Std Dev 0.07487
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

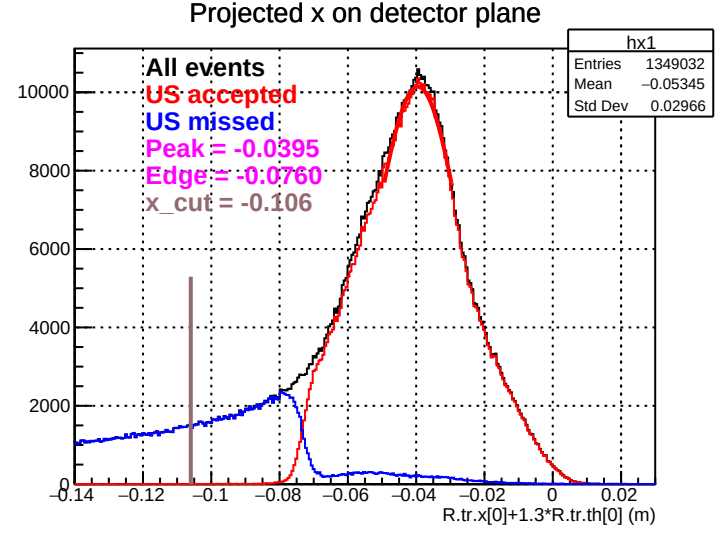

Stretched Asym. (ppm), xCut = -0.104 m
SAsym
Entries 827562
Mean 0.559
Std Dev 0.07118
35000
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

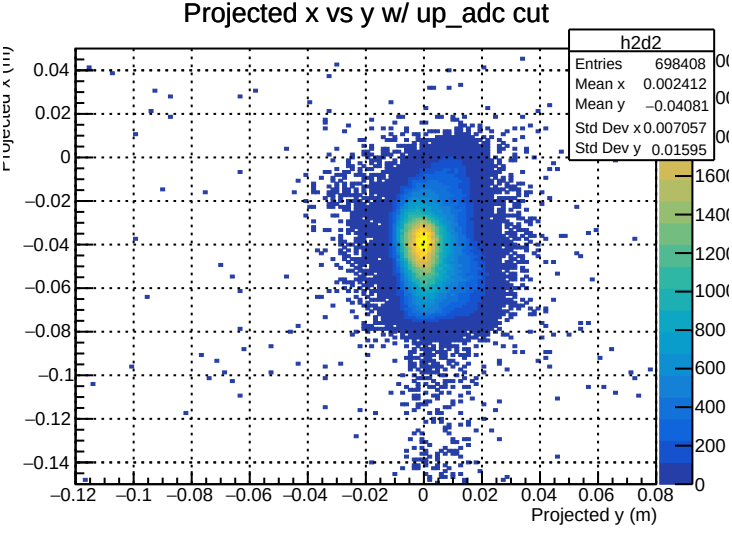

Q^2 (GeV/c)^2, xCut = -0.104 m
Q2
Entries 827562
Mean 0.006325
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

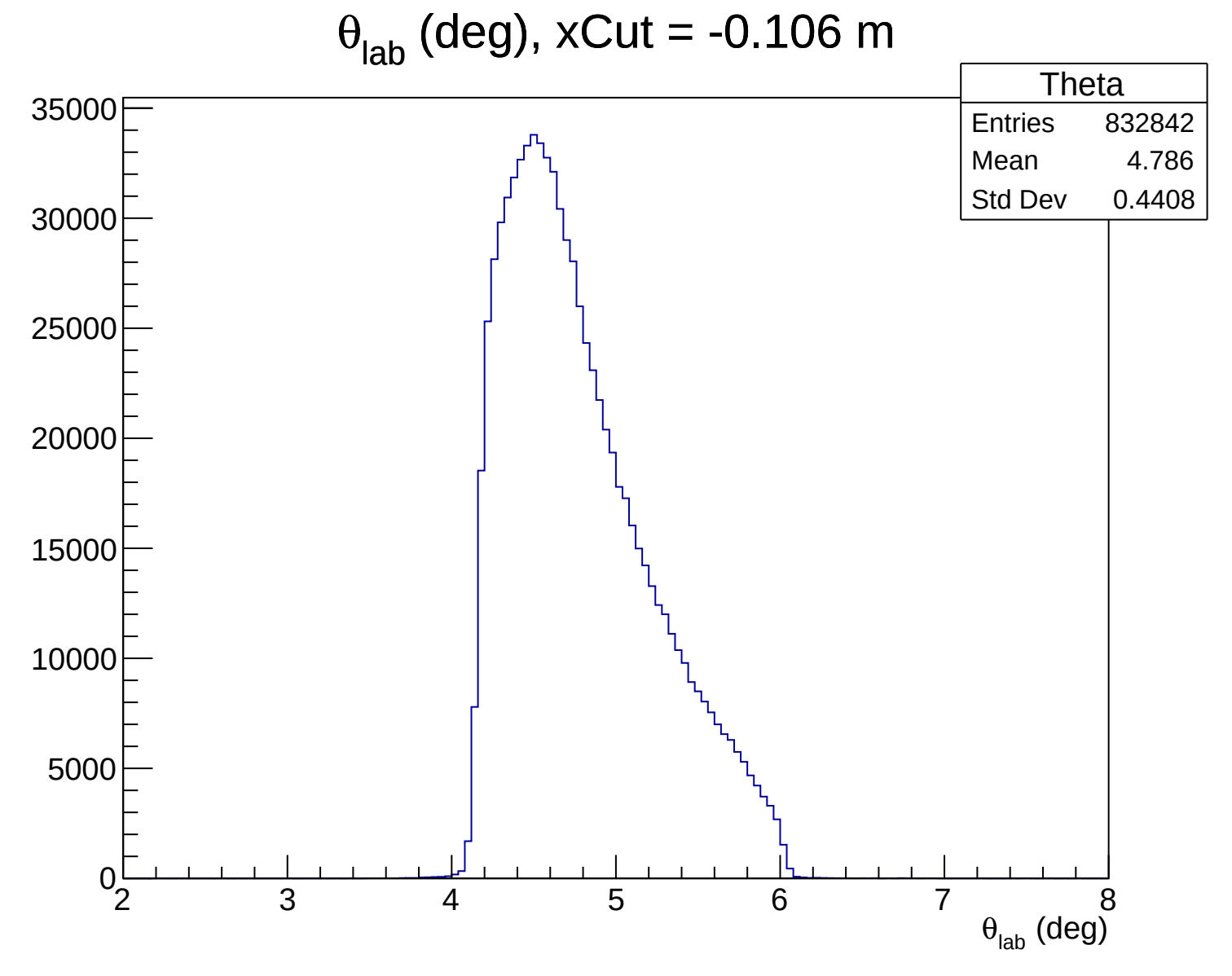

Sensitivity, xCut = -0.104 m
sens
Entries 827562
Mean 0.02227
Std Dev 0.003797
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

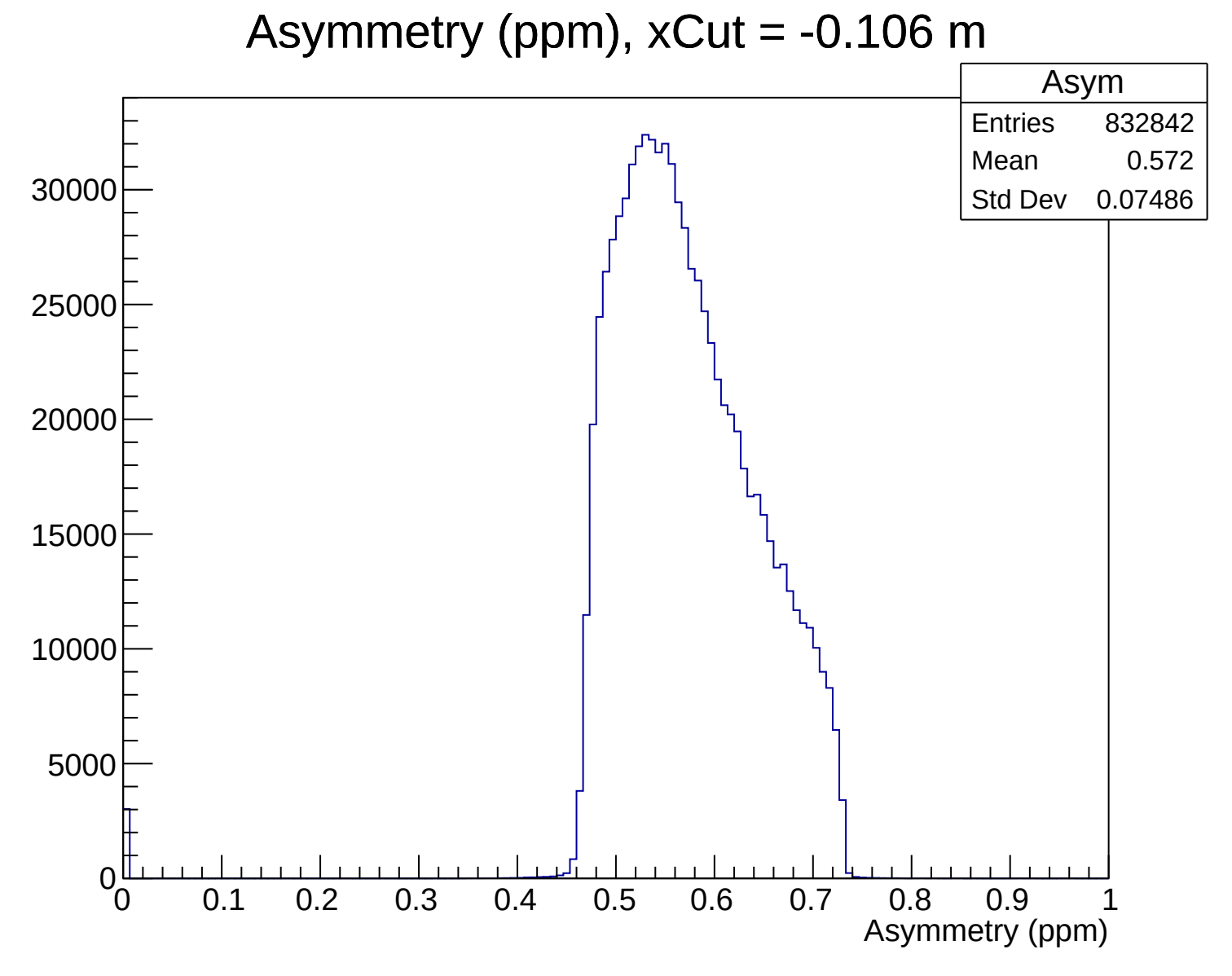

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

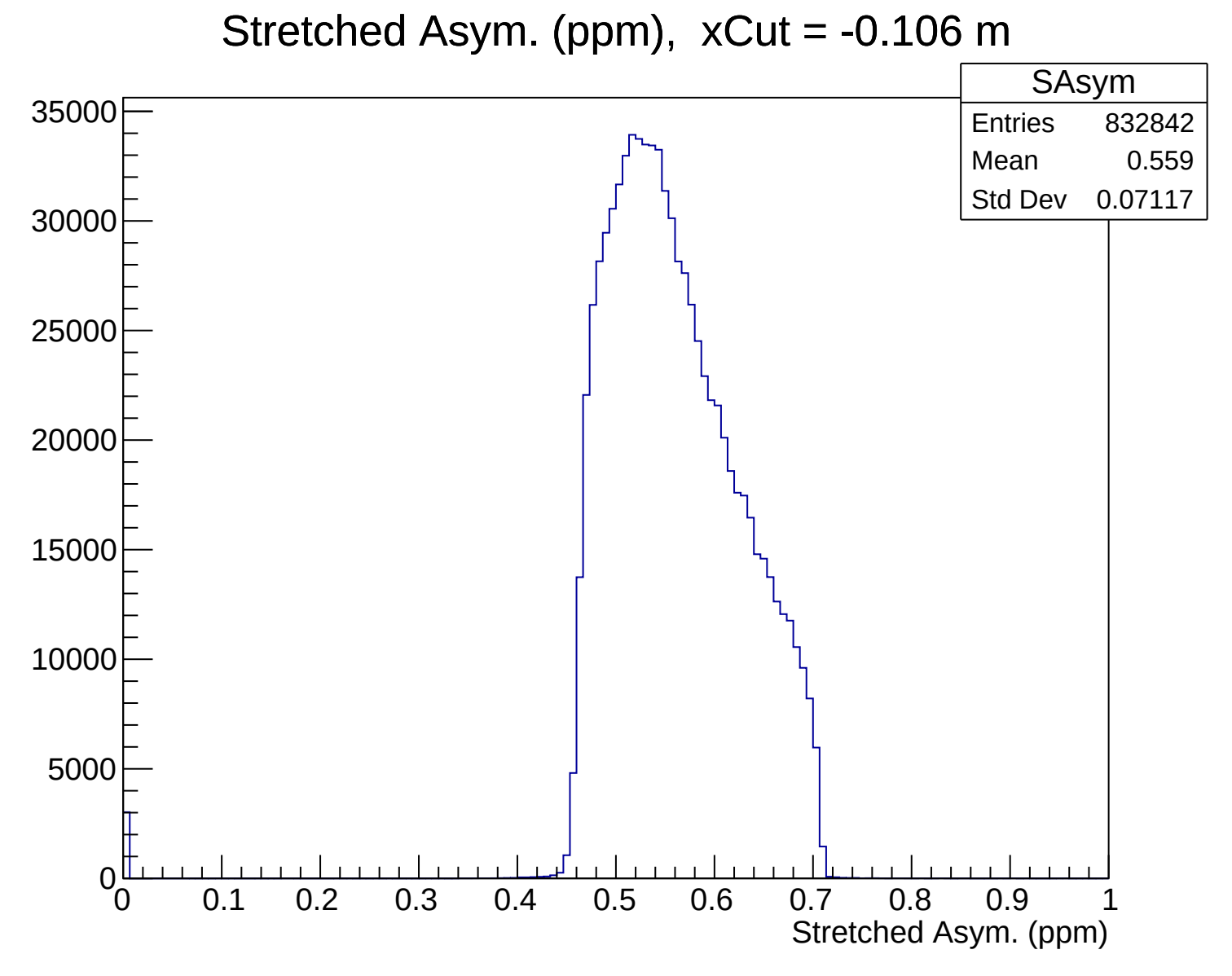

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

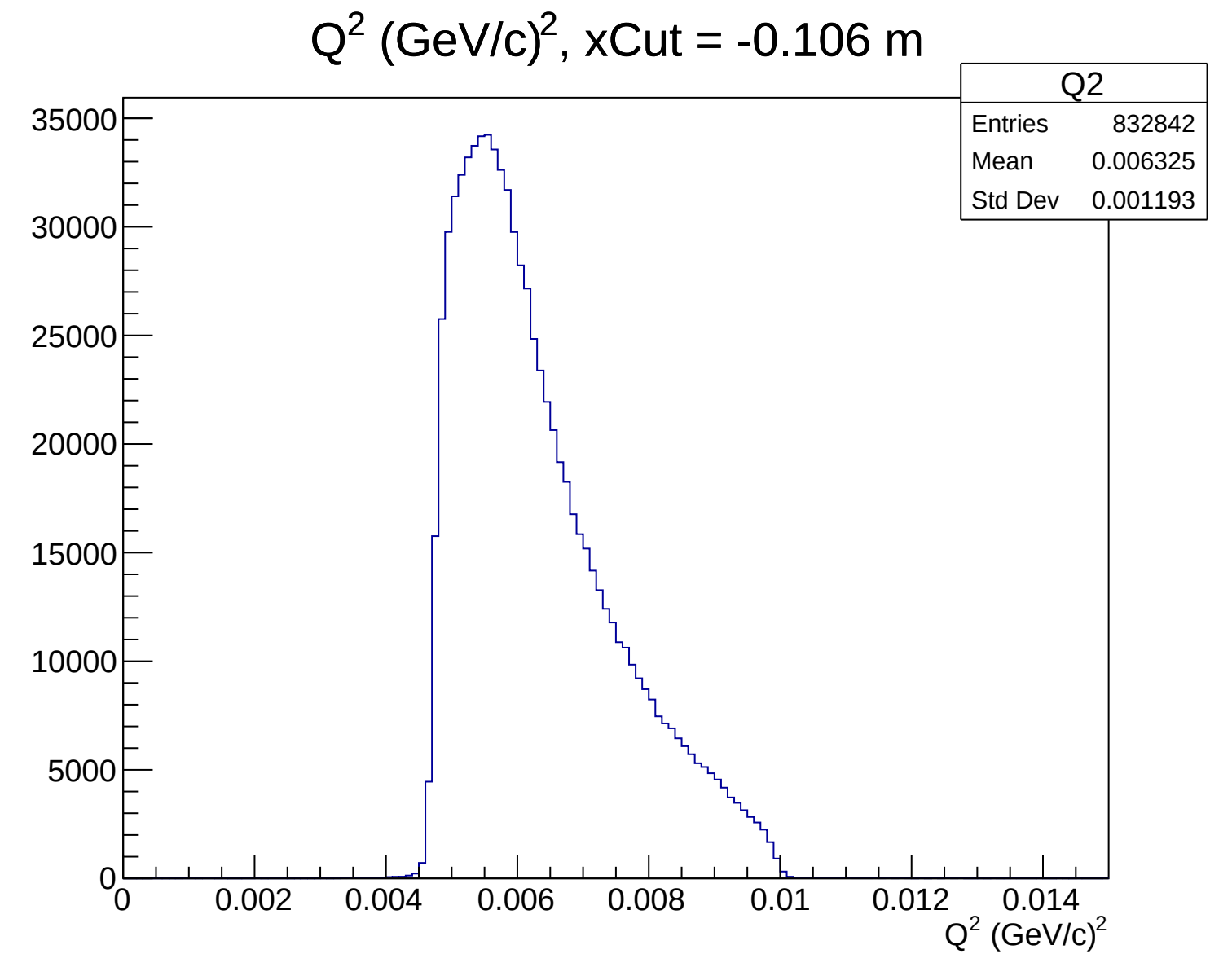

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.106
R.tr.x[0]+1.3*R.tr.th[0] (m)

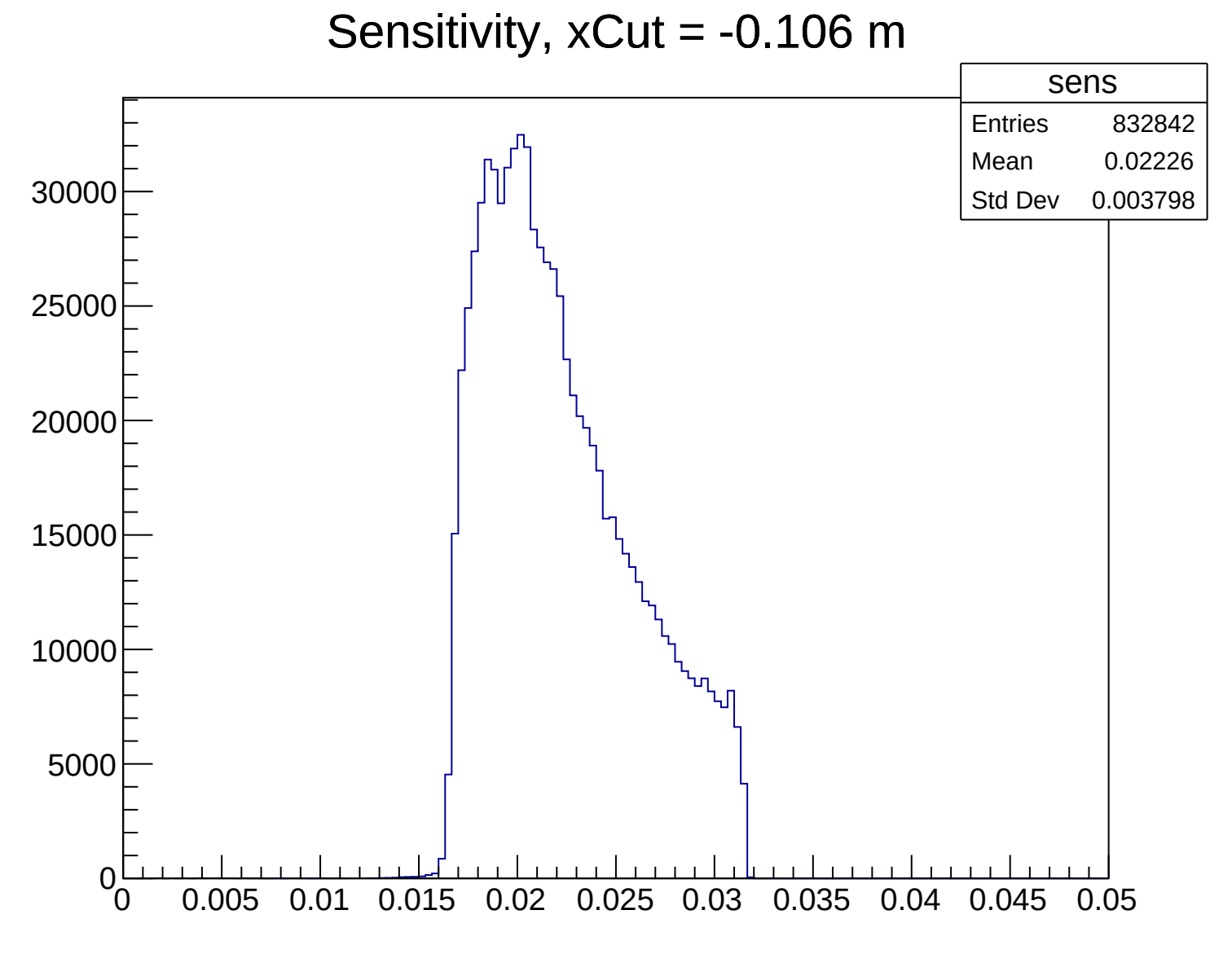

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

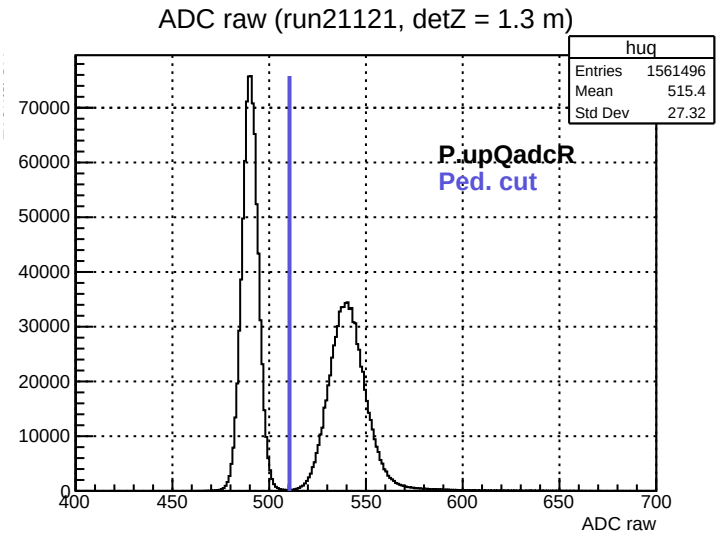

θlab (deg), xCut = -0.106 m
Theta
Entries 832842
Mean 4.786
Std Dev 0.4408
35000
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

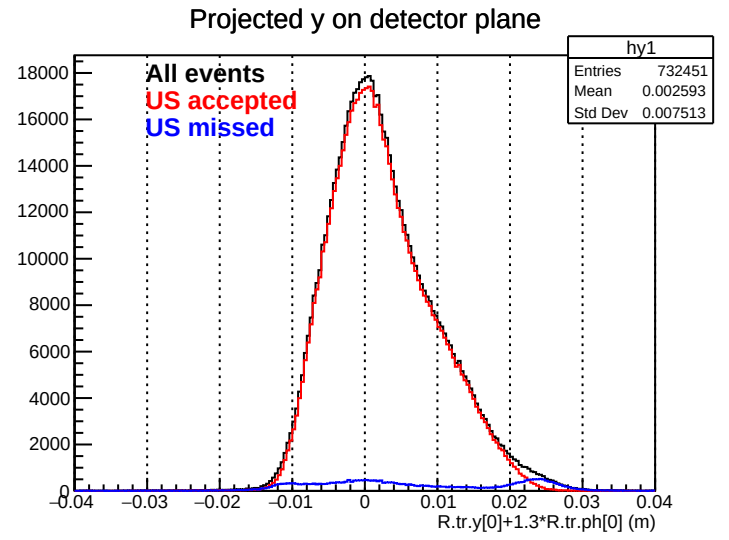

Asymmetry (ppm), xCut = -0.106 m
Asym
Entries 832842
Mean 0.572
Std Dev 0.07486
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

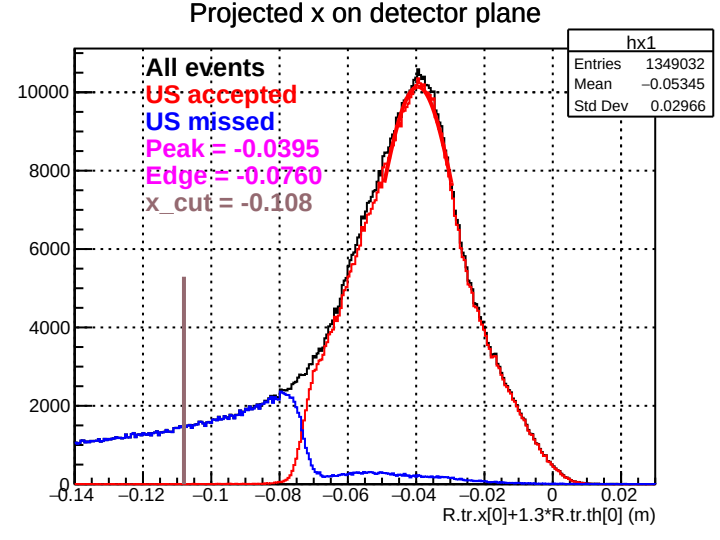

Stretched Asym. (ppm), xCut = -0.106 m
SAsym
Entries 832842
Mean 0.559
Std Dev 0.07117
35000
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

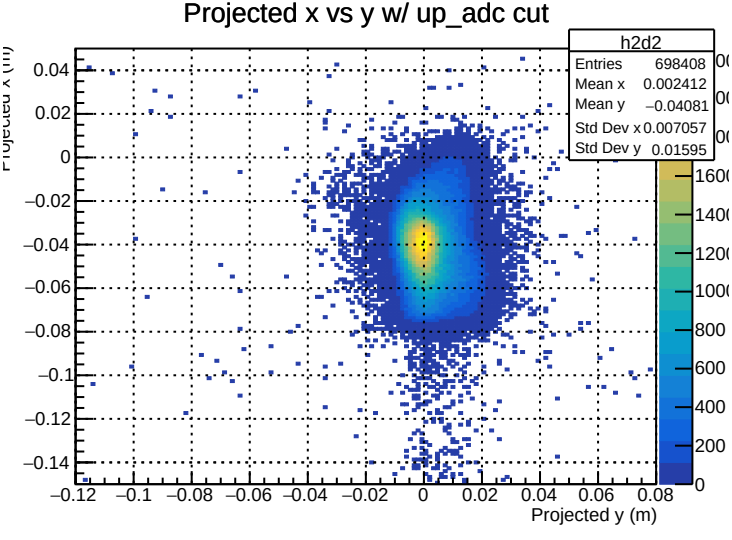

Q^2 (GeV/c)^2, xCut = -0.106 m
Q2
Entries 832842
Mean 0.006325
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

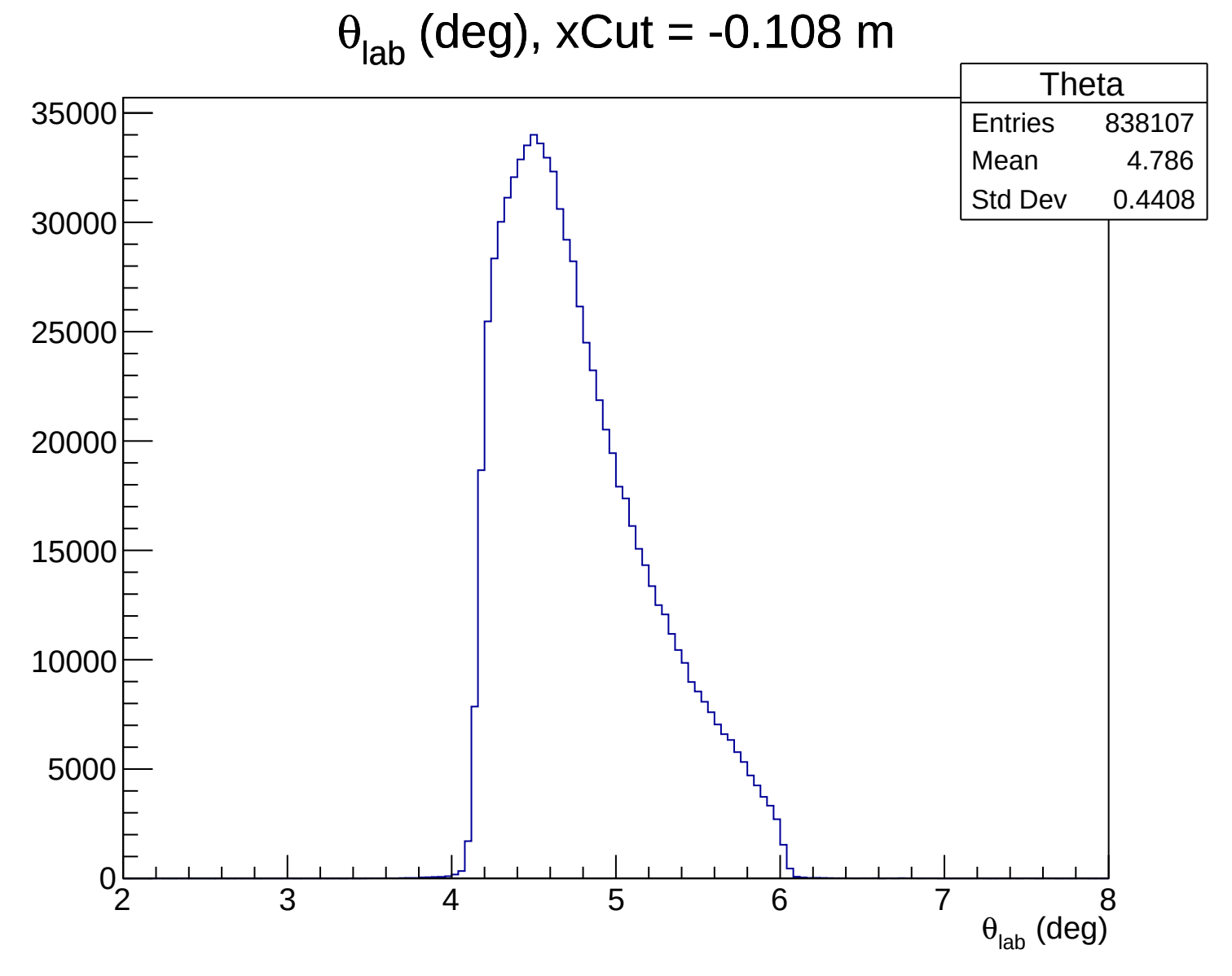

Sensitivity, xCut = -0.106 m
sens
Entries 832842
Mean 0.02226
Std Dev 0.003798
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

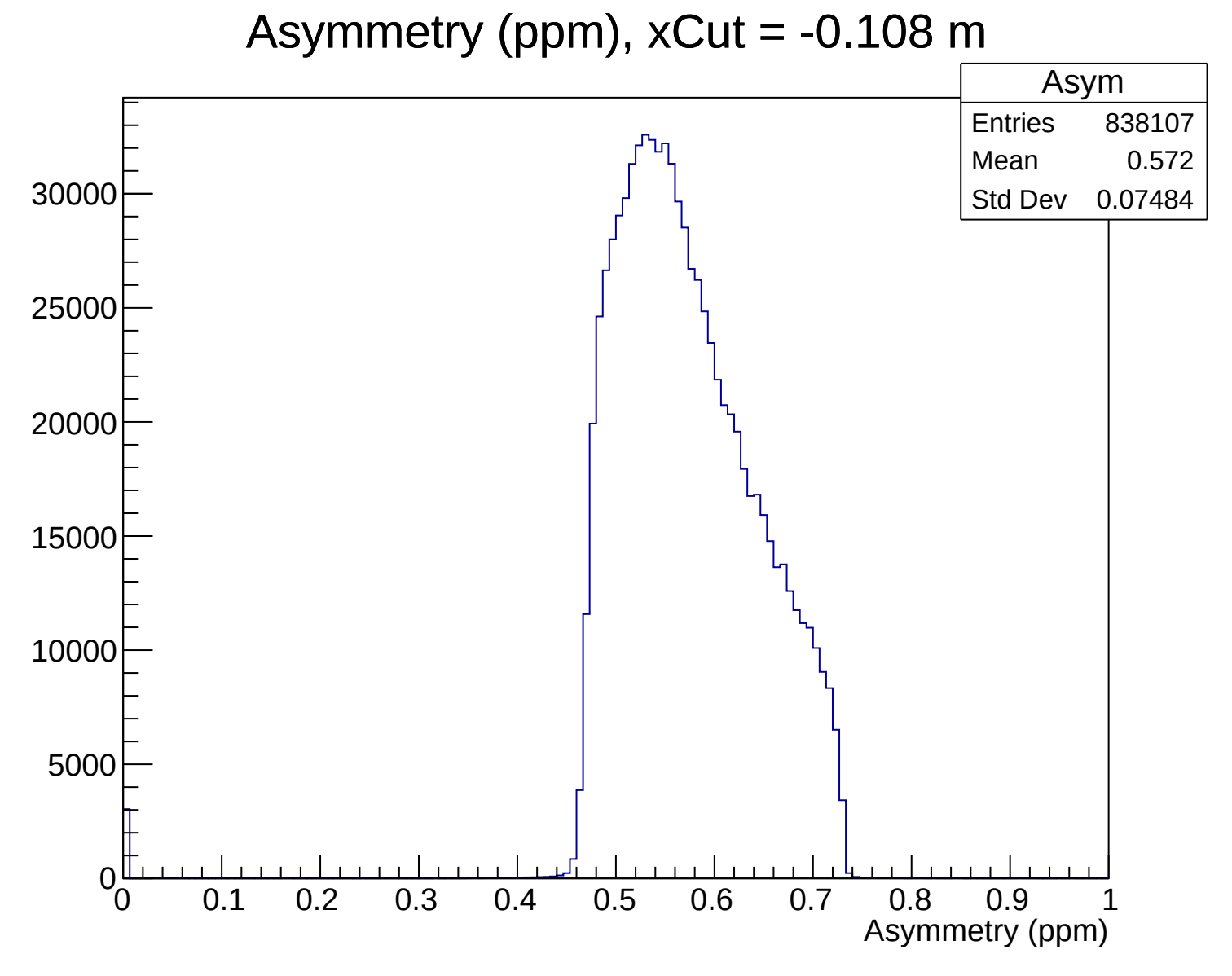

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

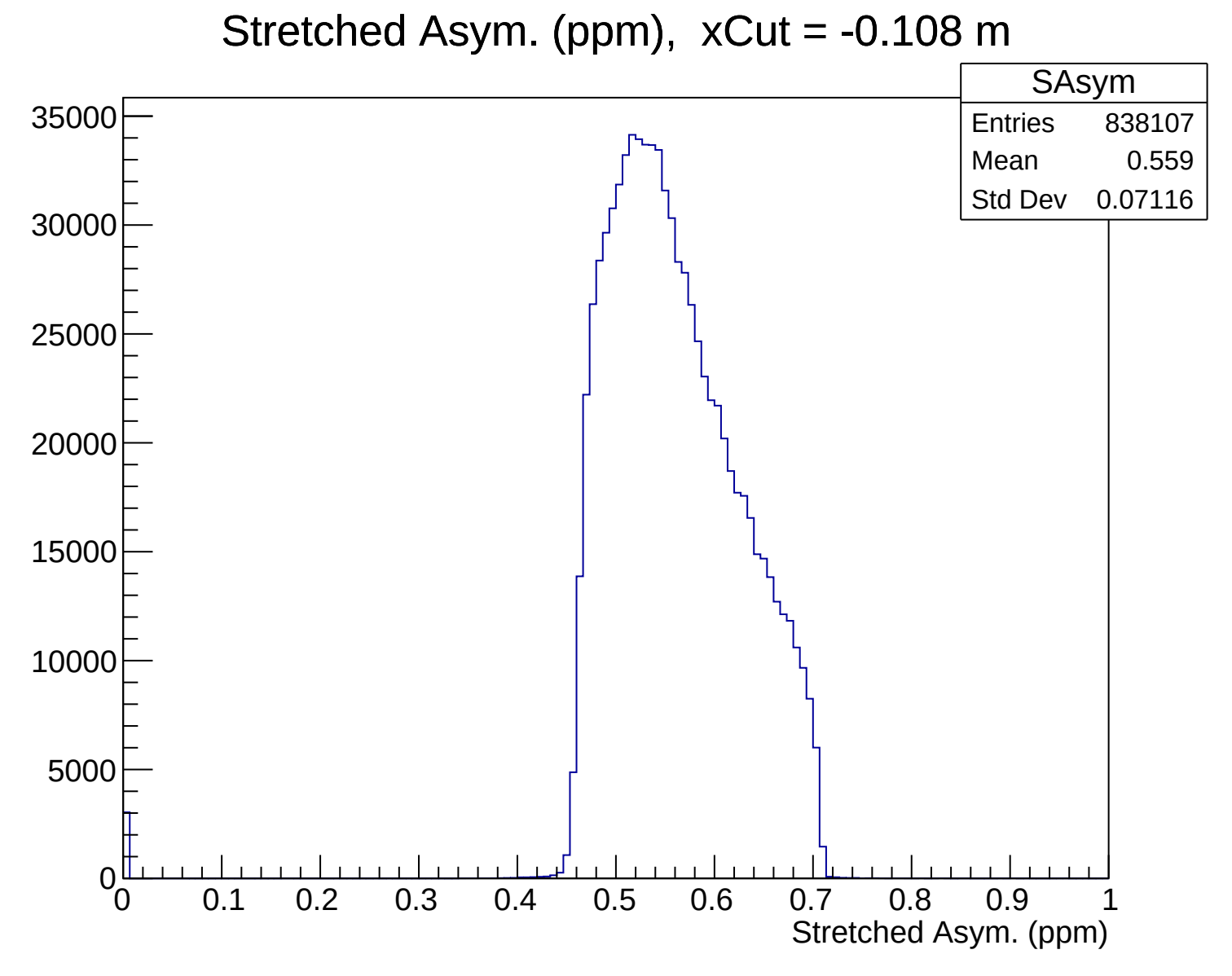

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

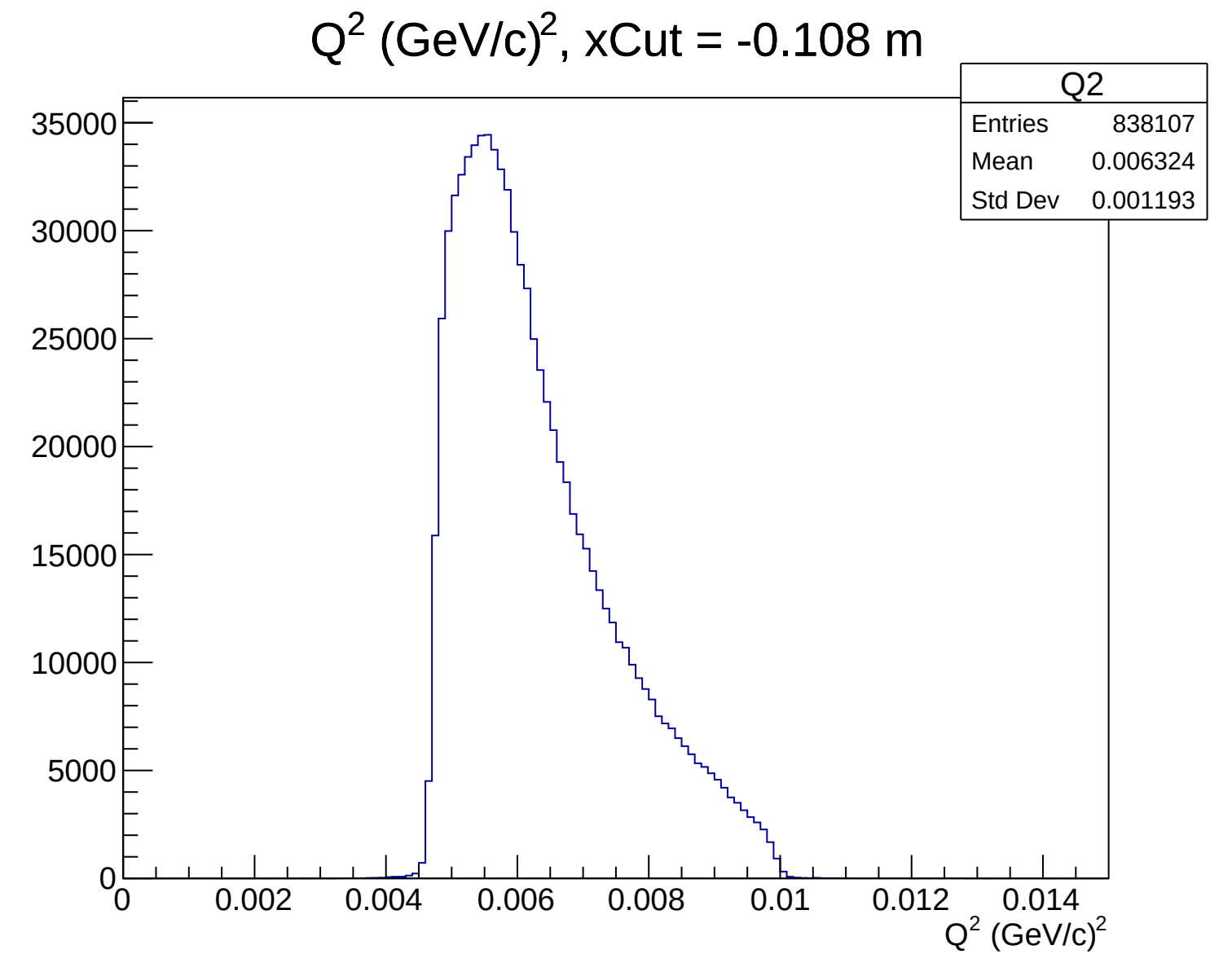

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.108
R.tr.x[0]+1.3*R.tr.th[0] (m)

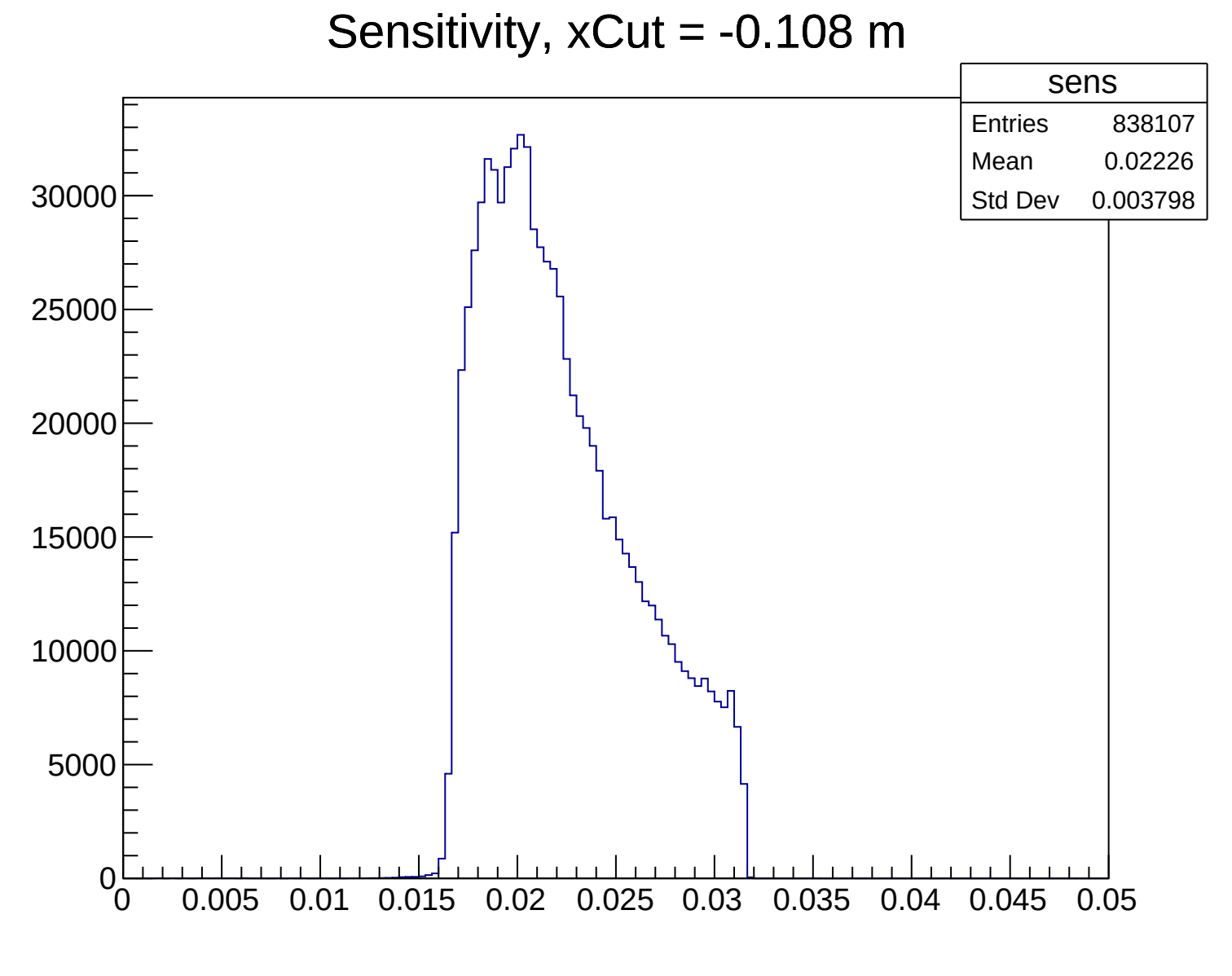

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

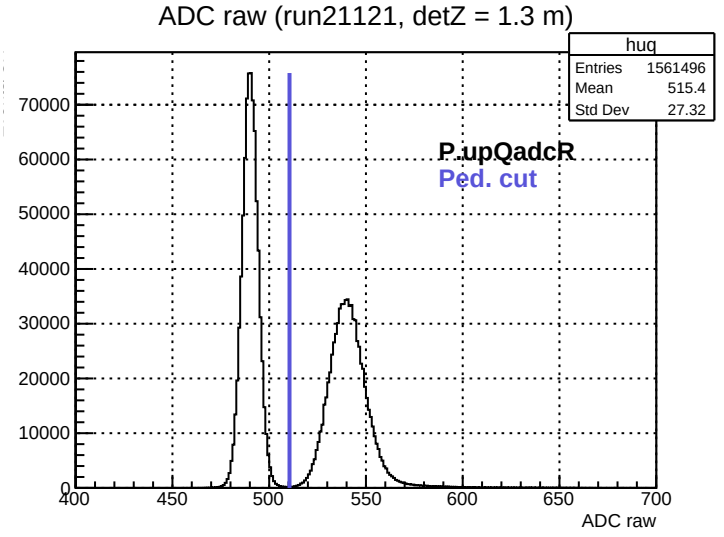

θlab (deg), xCut = -0.108 m
Theta
Entries 838107
Mean 4.786
Std Dev 0.4408
35000
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

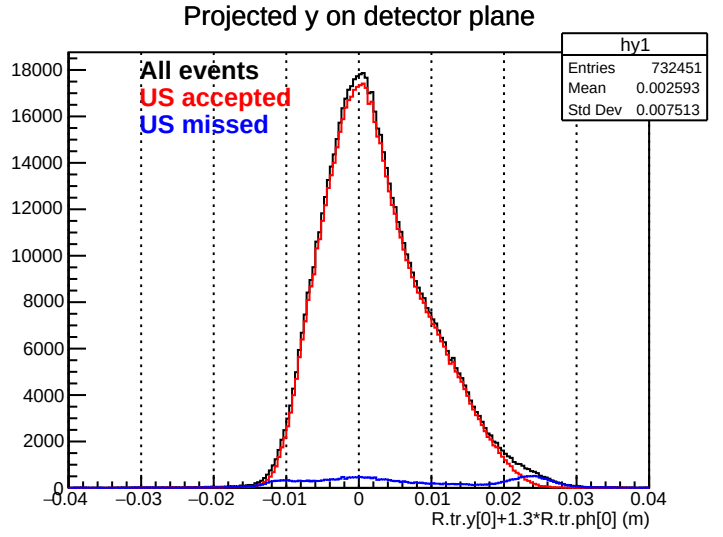

Asymmetry (ppm), xCut = -0.108 m
Asym
Entries 838107
Mean 0.572
Std Dev 0.07484
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

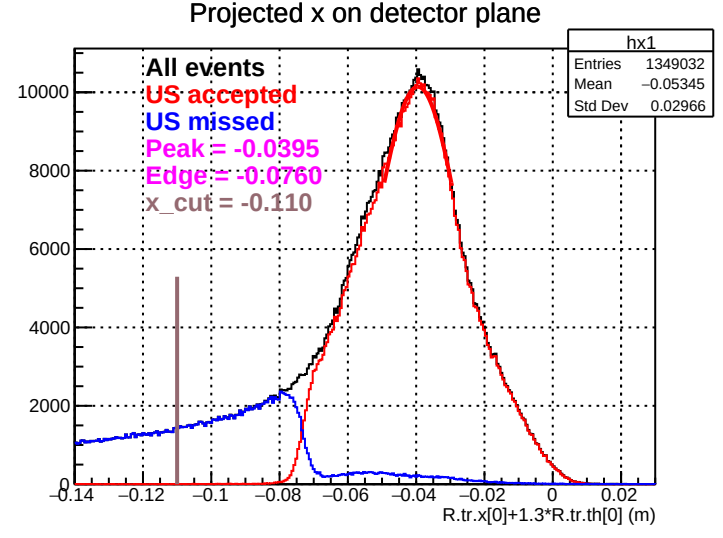

Stretched Asym. (ppm), xCut = -0.108 m
SAsym
Entries 838107
Mean 0.559
Std Dev 0.07116
35000
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

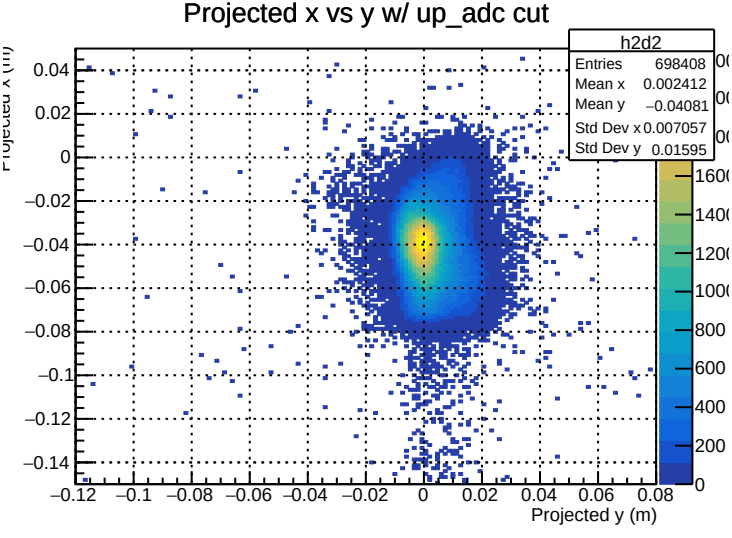

Q^2 (GeV/c)^2, xCut = -0.108 m
Q2
Entries 838107
Mean 0.006324
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

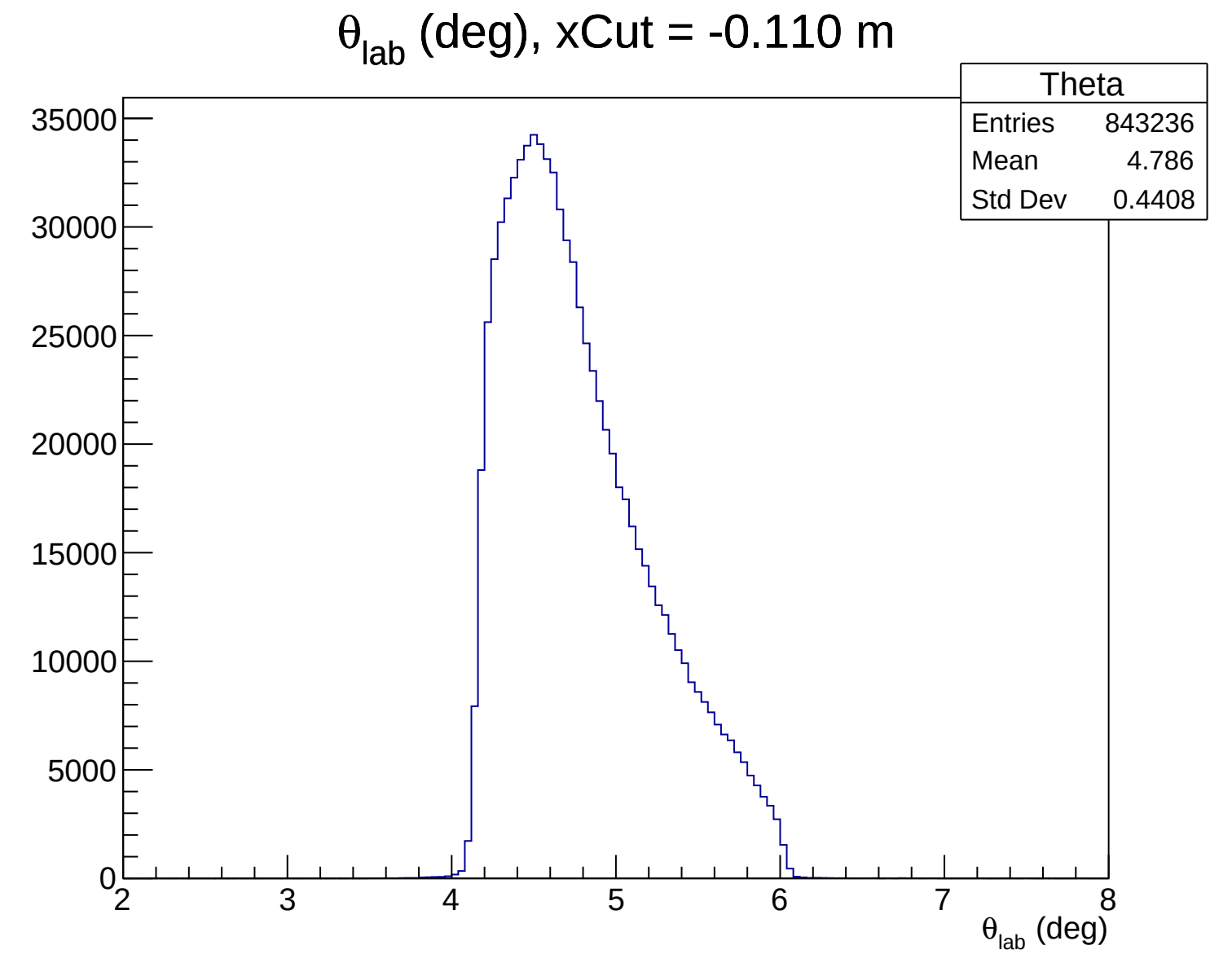

Sensitivity, xCut = -0.108 m
sens
Entries 838107
Mean 0.02226
Std Dev 0.003798
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

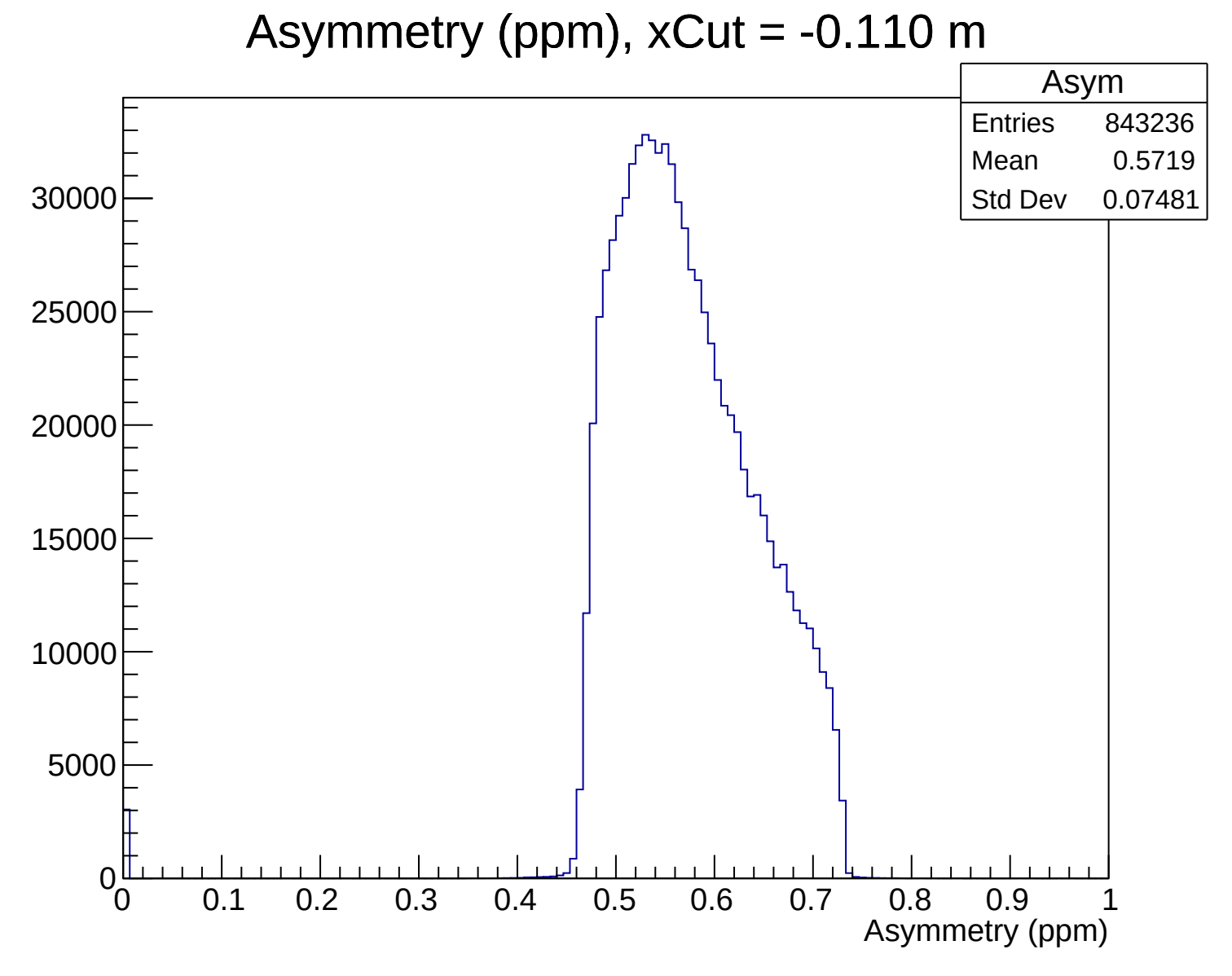

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

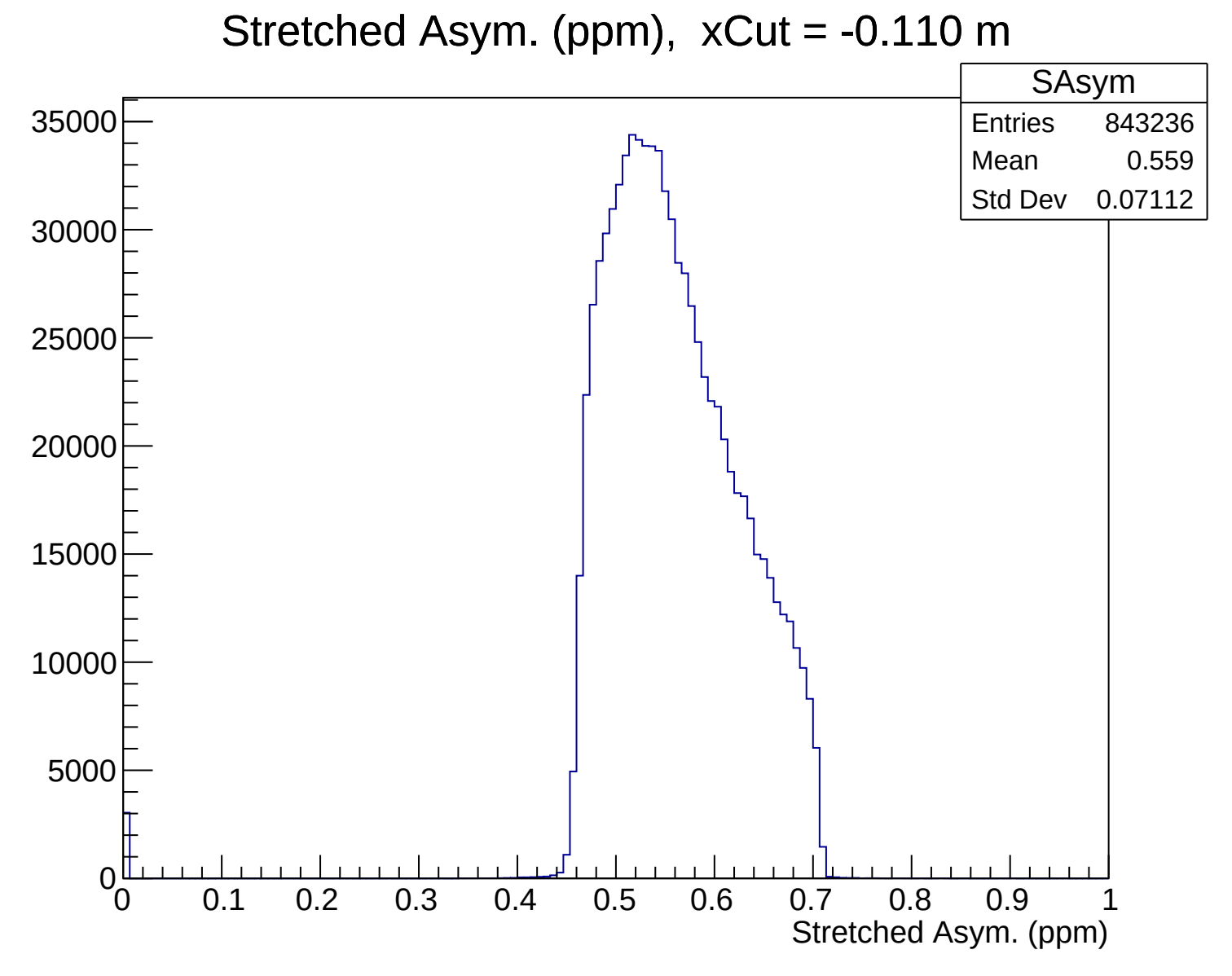

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

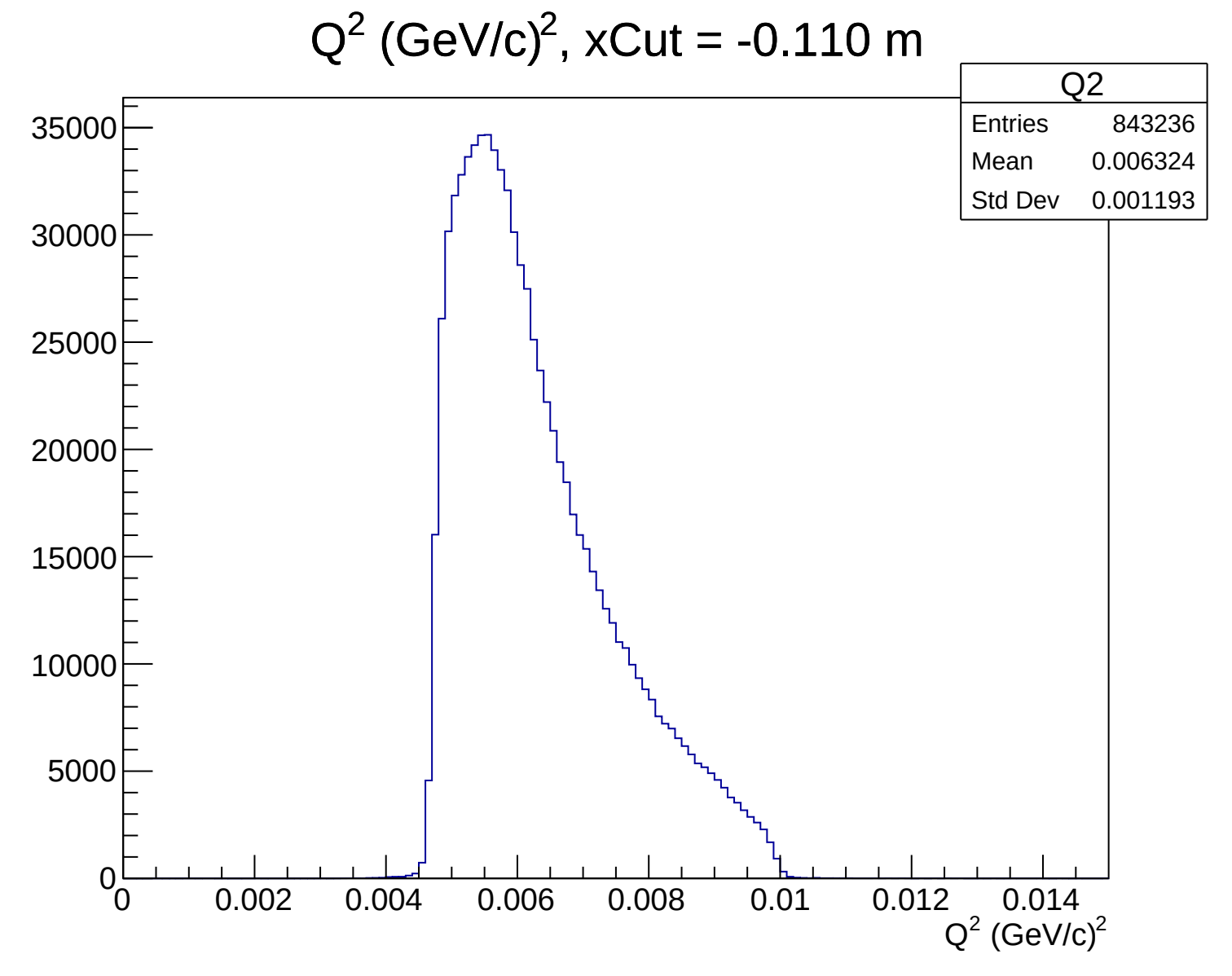

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.110
R.tr.x[0]+1.3*R.tr.th[0] (m)

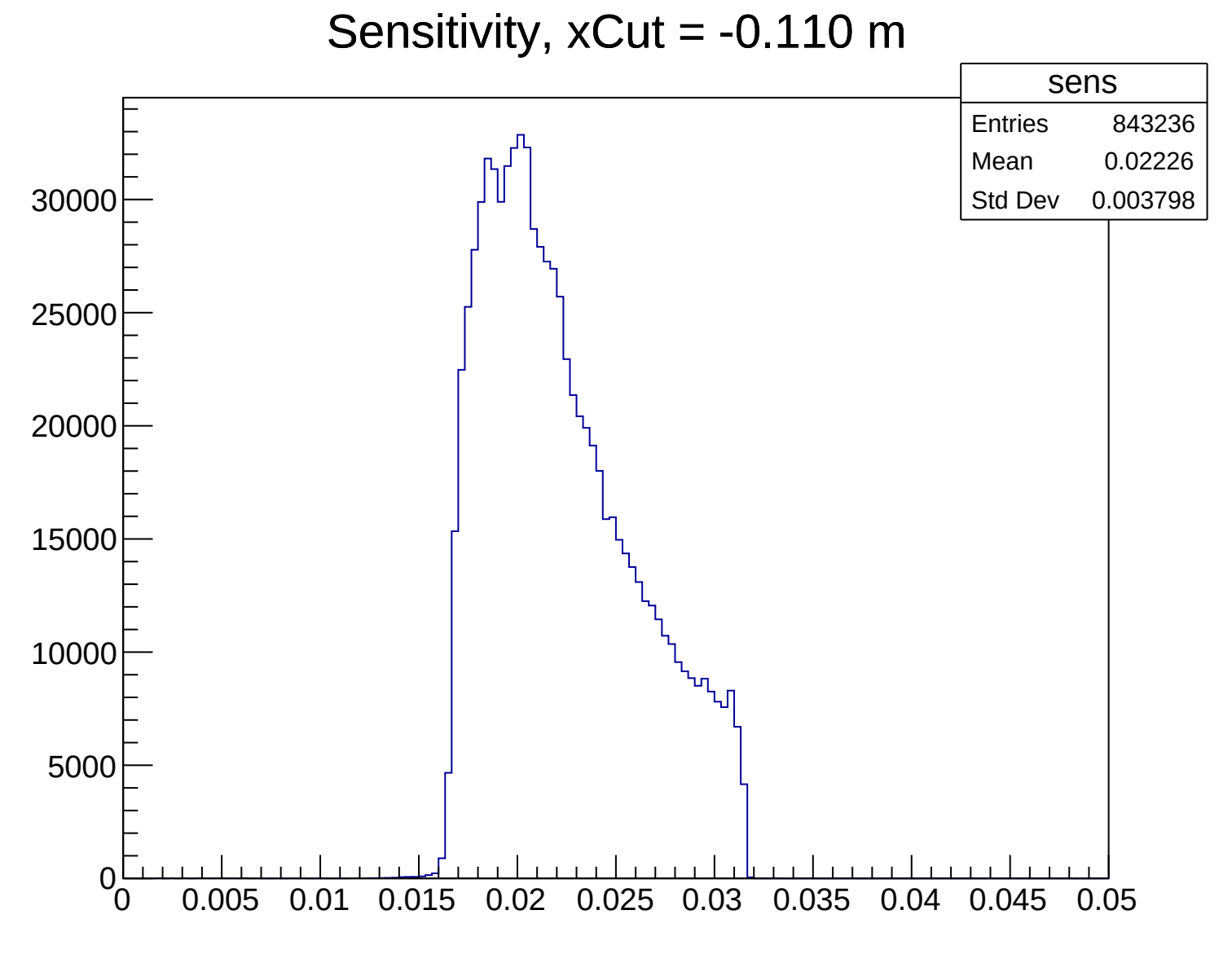

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

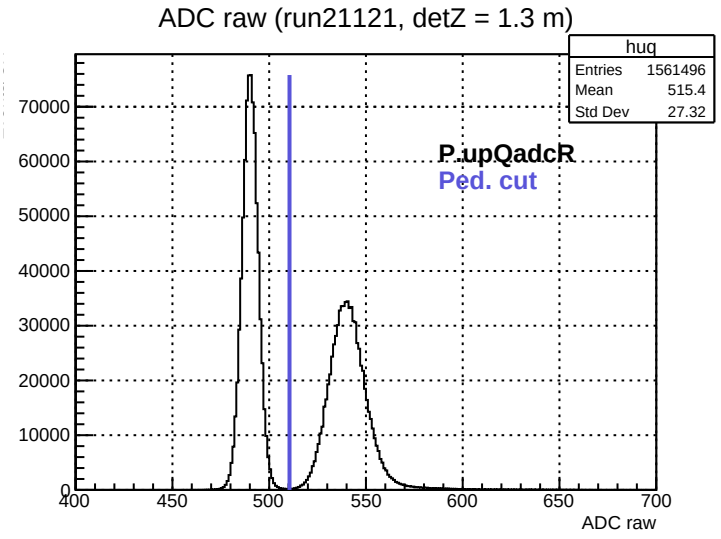

θlab (deg), xCut = -0.110 m
Theta
Entries 843236
Mean 4.786
Std Dev 0.4408
35000
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

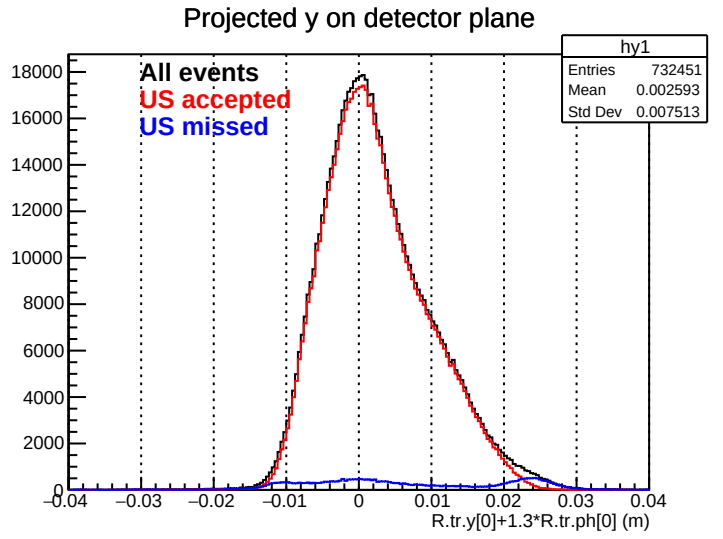

Asymmetry (ppm), xCut = -0.110 m
Asym
Entries 843236
Mean 0.5719
Std Dev 0.07481
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

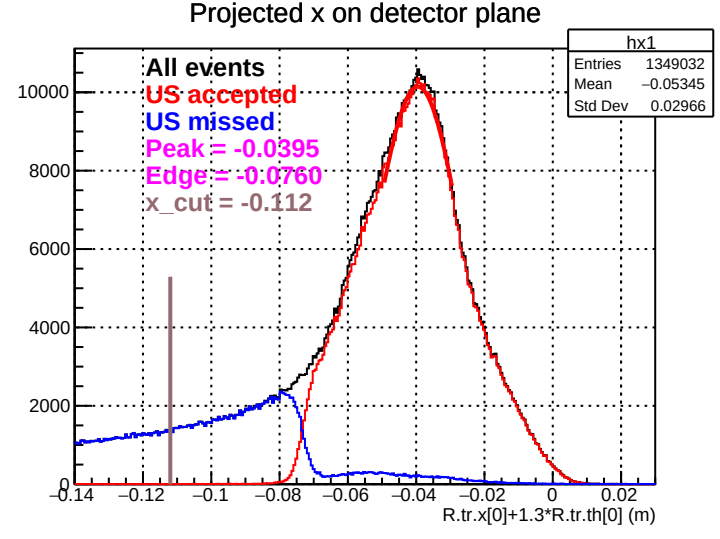

Stretched Asym. (ppm), xCut = -0.110 m
SAsym
Entries 843236
Mean 0.559
Std Dev 0.07112
35000
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

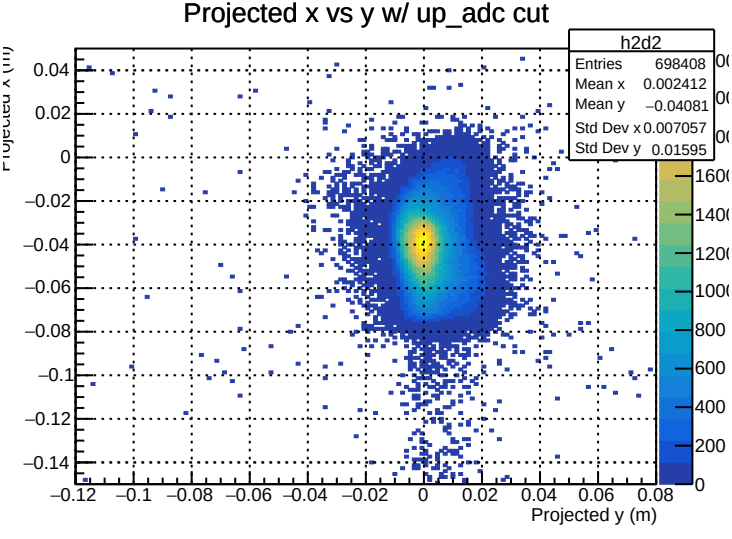

Q^2 (GeV/c)^2, xCut = -0.110 m
Q2
Entries 843236
Mean 0.006324
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

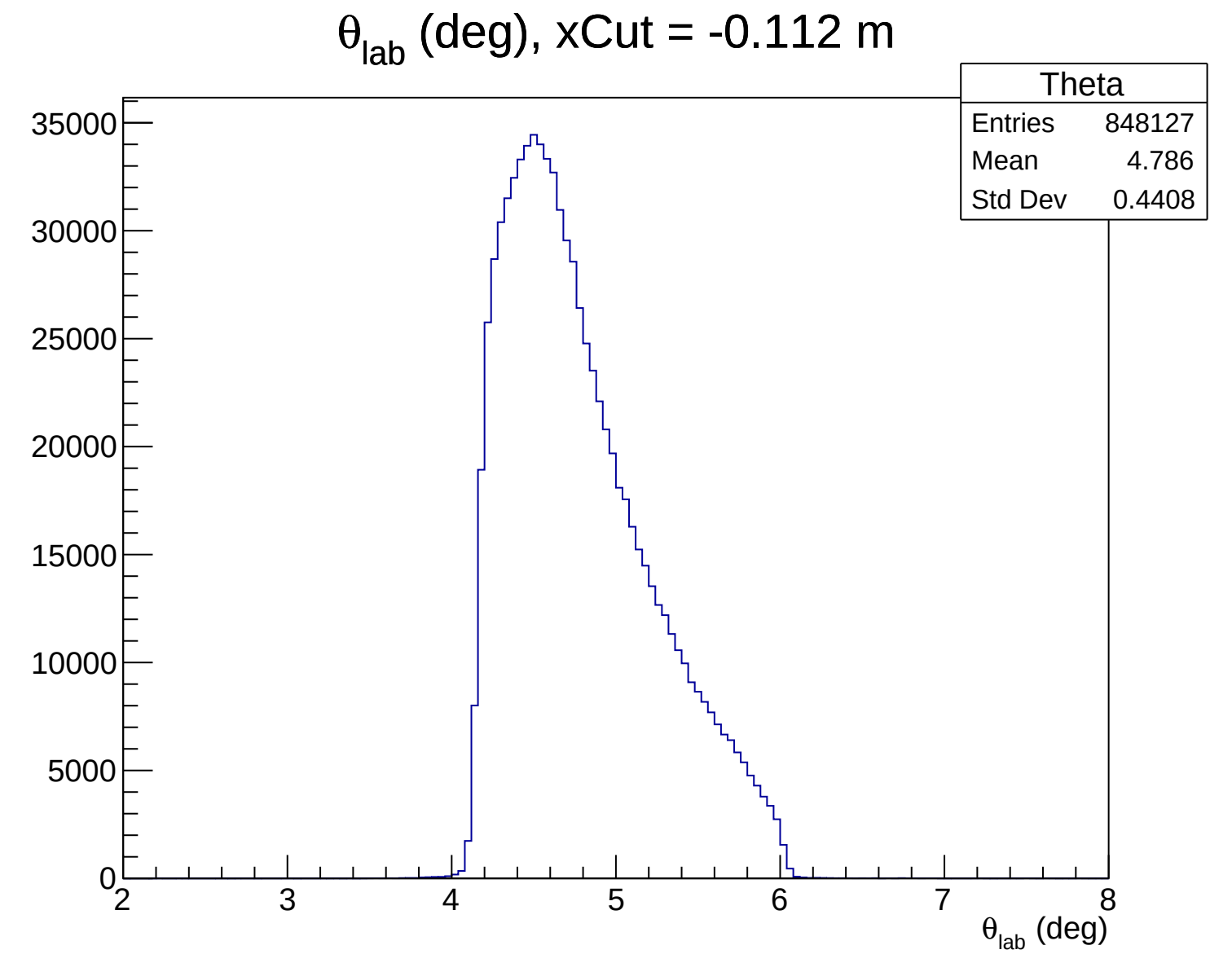

Sensitivity, xCut = -0.110 m
sens
Entries 843236
Mean 0.02226
Std Dev 0.003798
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

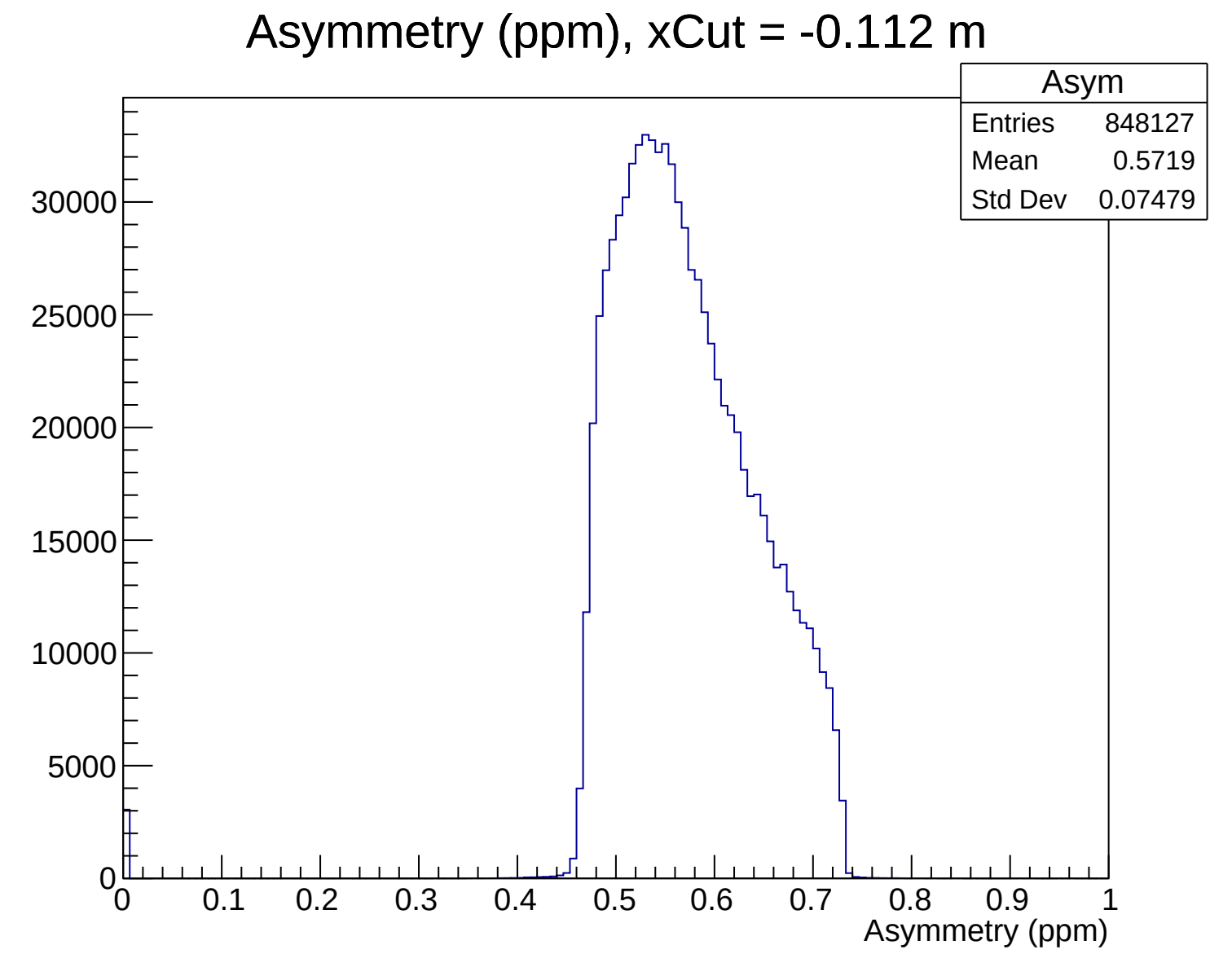

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

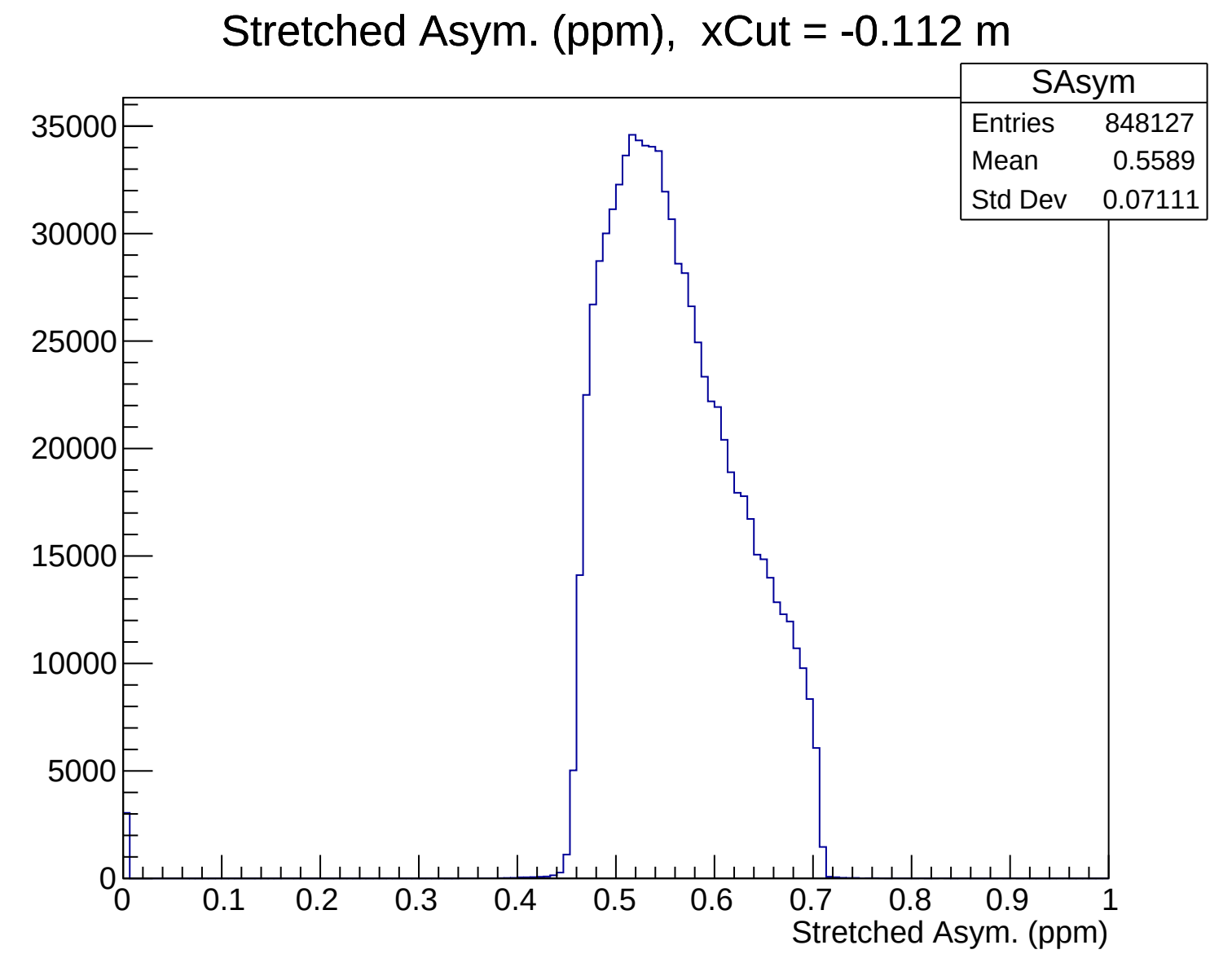

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

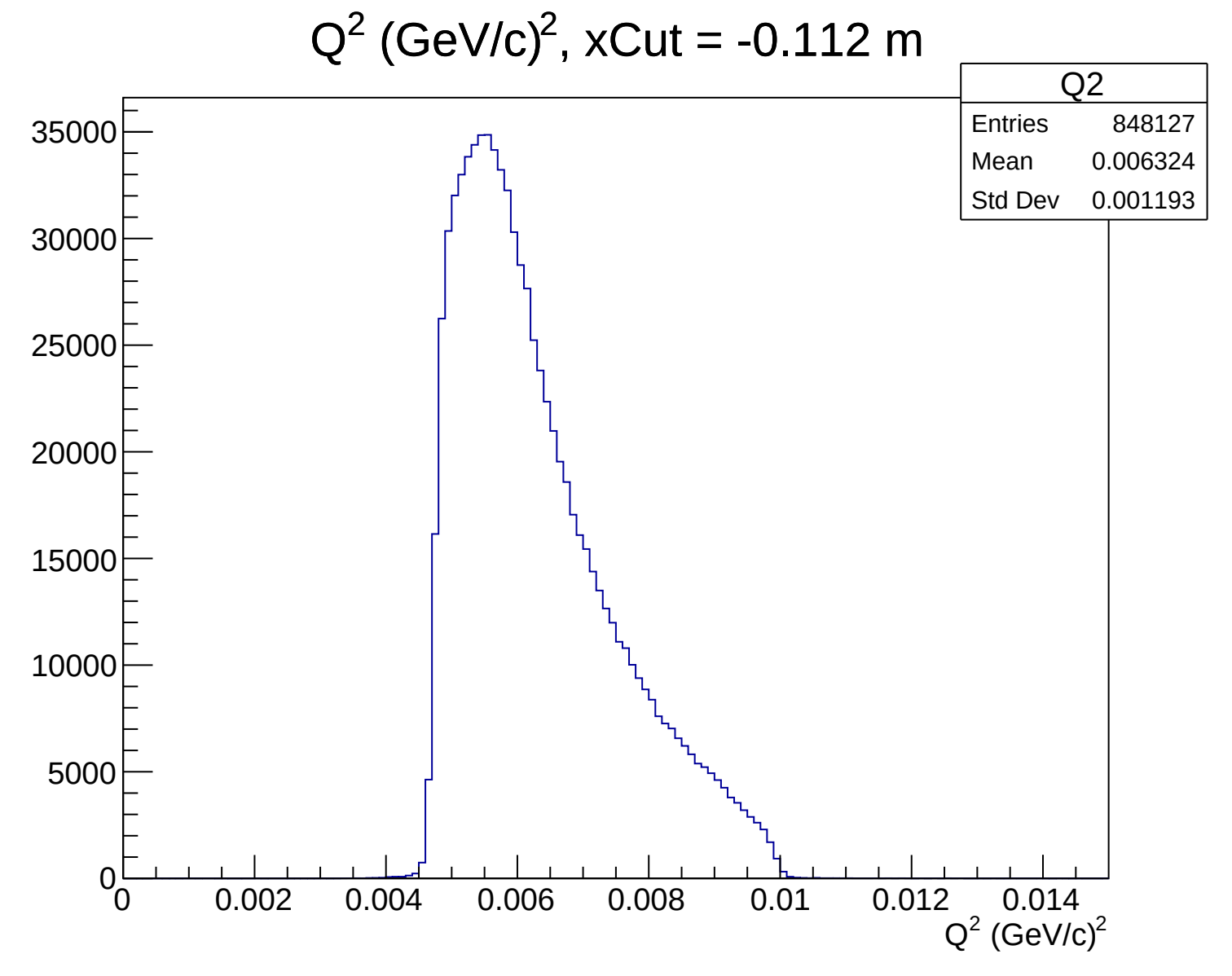

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.112
R.tr.x[0]+1.3*R.tr.th[0] (m)

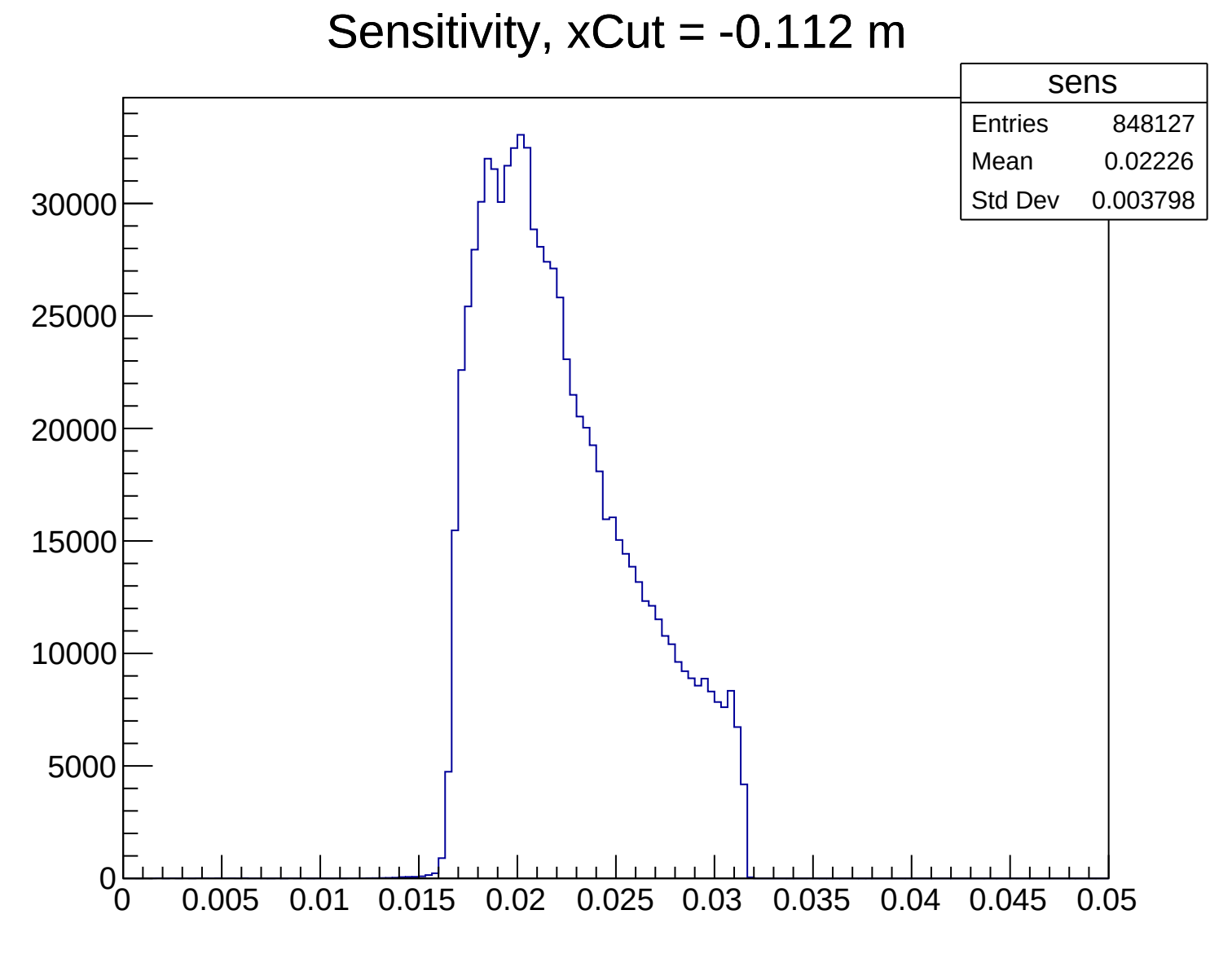

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

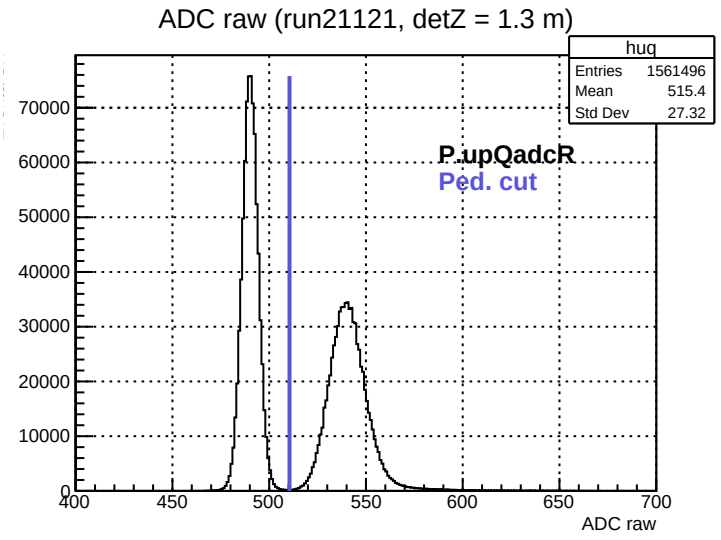

θlab (deg), xCut = -0.112 m
Theta
Entries 848127
Mean 4.786
Std Dev 0.4408
35000
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

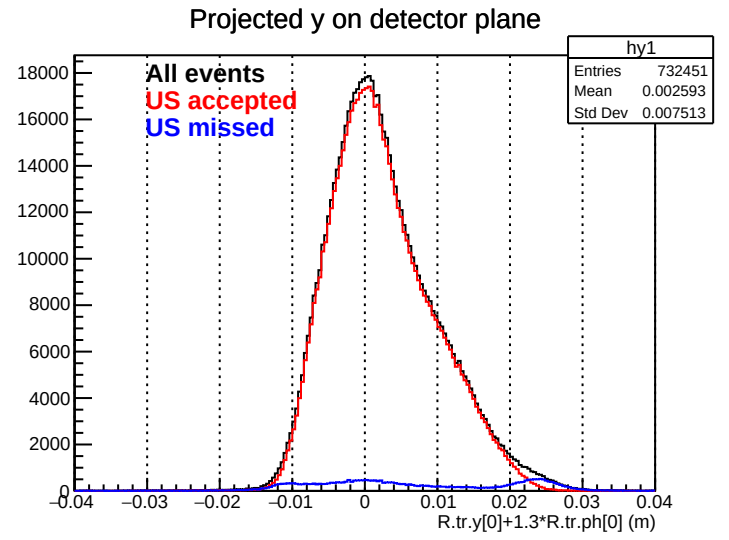

Asymmetry (ppm), xCut = -0.112 m
Asym
Entries 848127
Mean 0.5719
Std Dev 0.07479
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

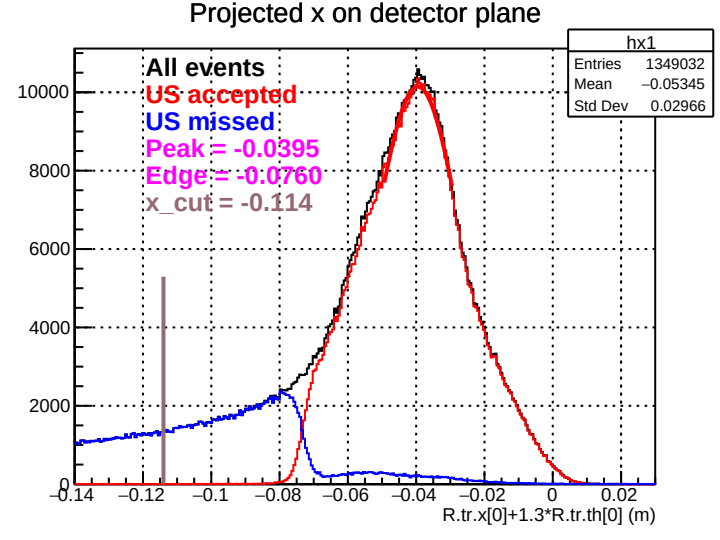

Stretched Asym. (ppm), xCut = -0.112 m
SAsym
Entries 848127
Mean 0.5589
Std Dev 0.07111
35000
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

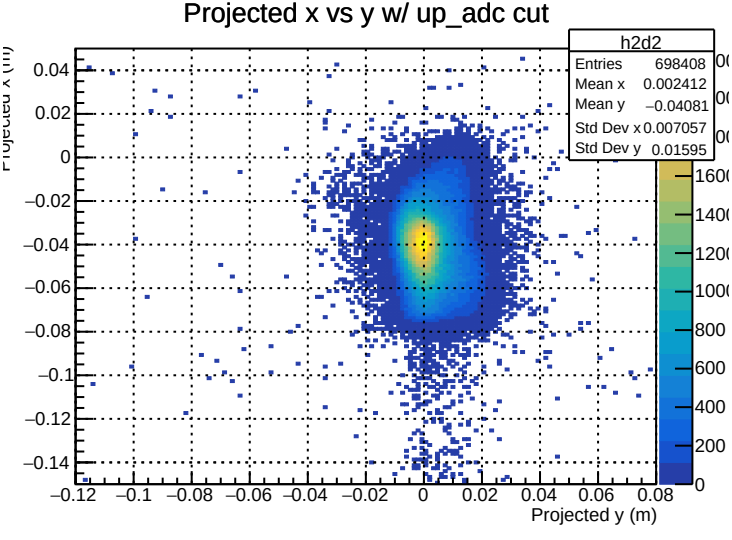

Q^2 (GeV/c)^2, xCut = -0.112 m
Q2
Entries 848127
Mean 0.006324
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

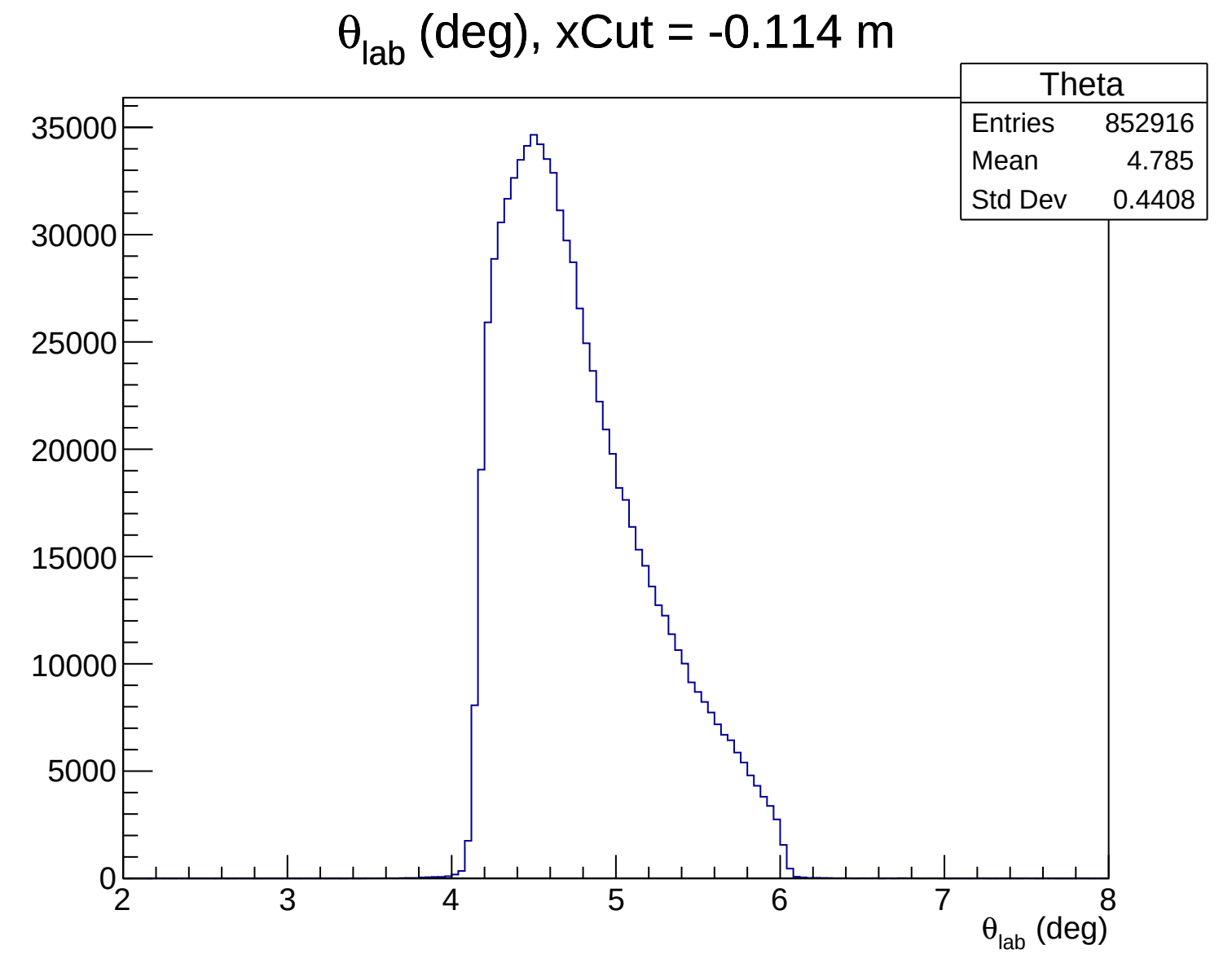

Sensitivity, xCut = -0.112 m
sens
Entries 848127
Mean 0.02226
Std Dev 0.003798
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

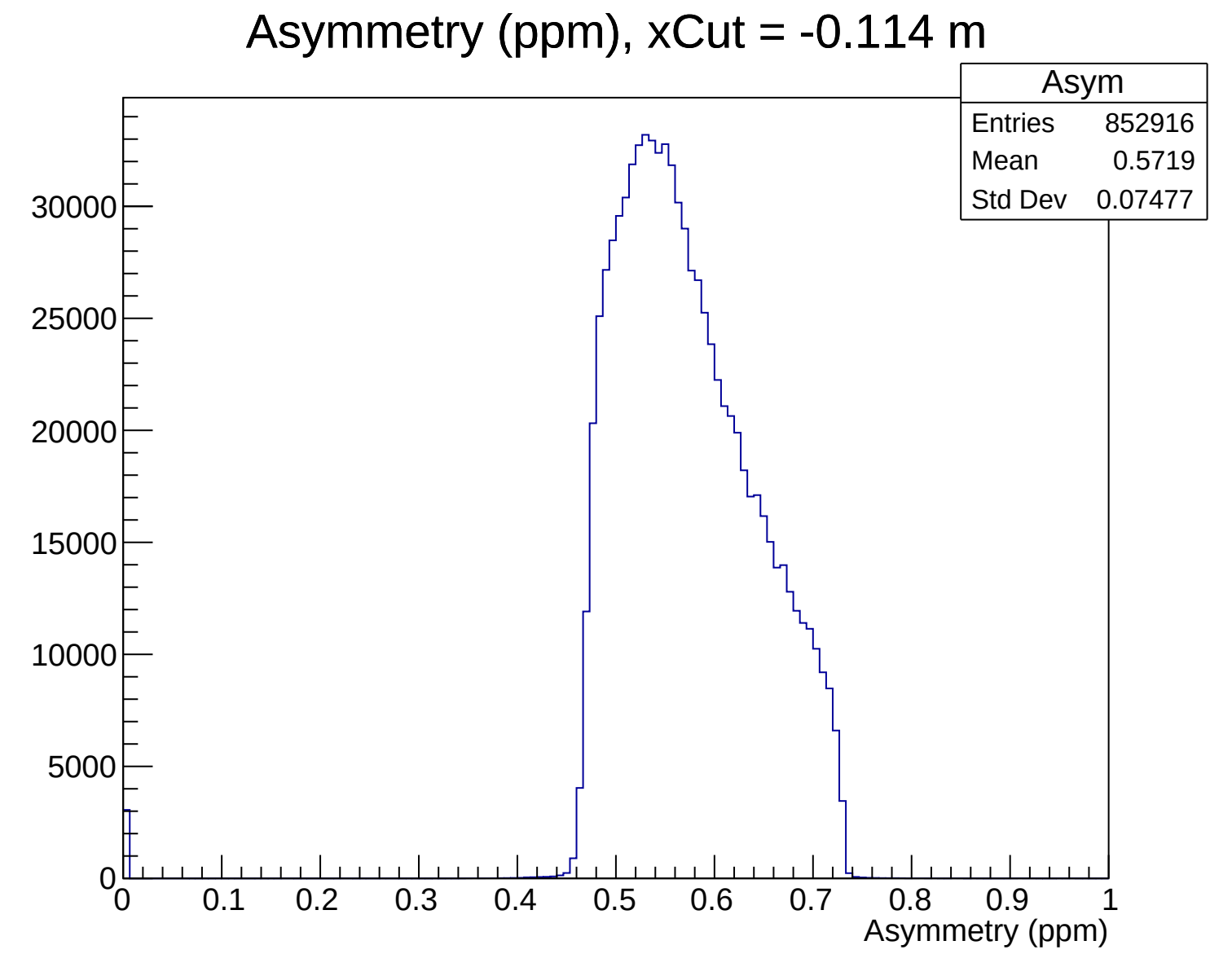

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcR
Ped. cut
ADC raw

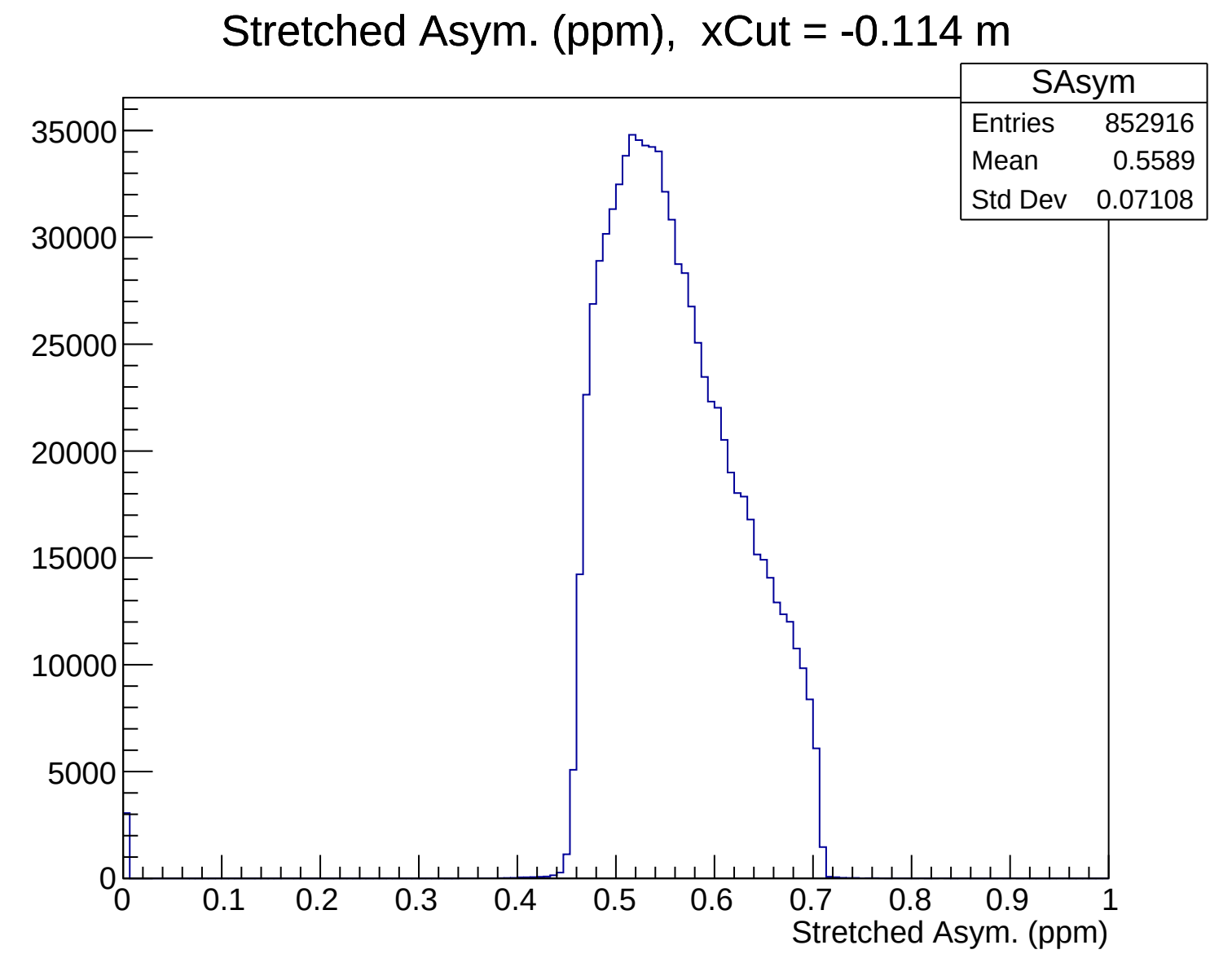

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
R.tr.y[0]+1.3*R.tr.ph[0] (m)

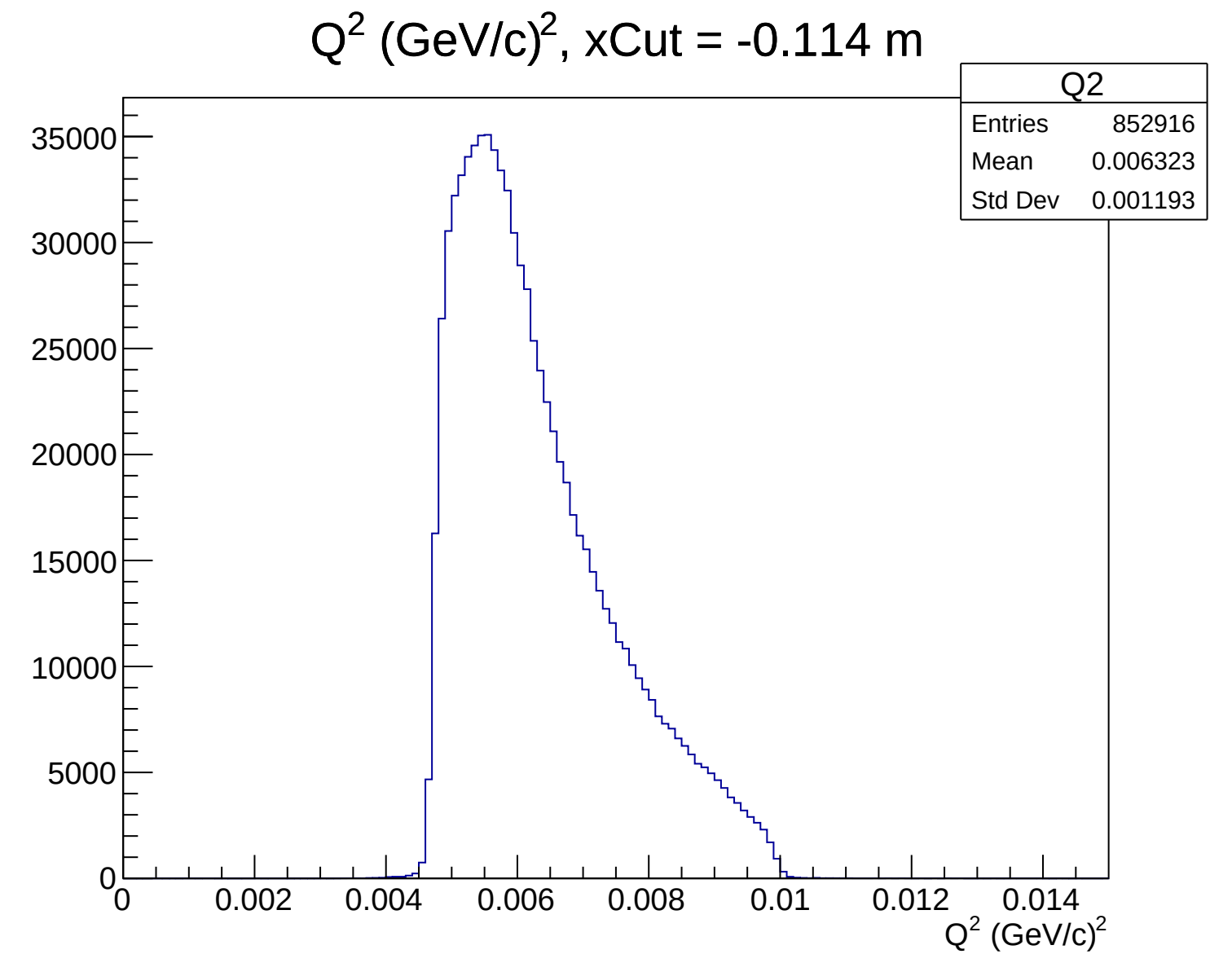

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
x_cut = -0.114
R.tr.x[0]+1.3*R.tr.th[0] (m)

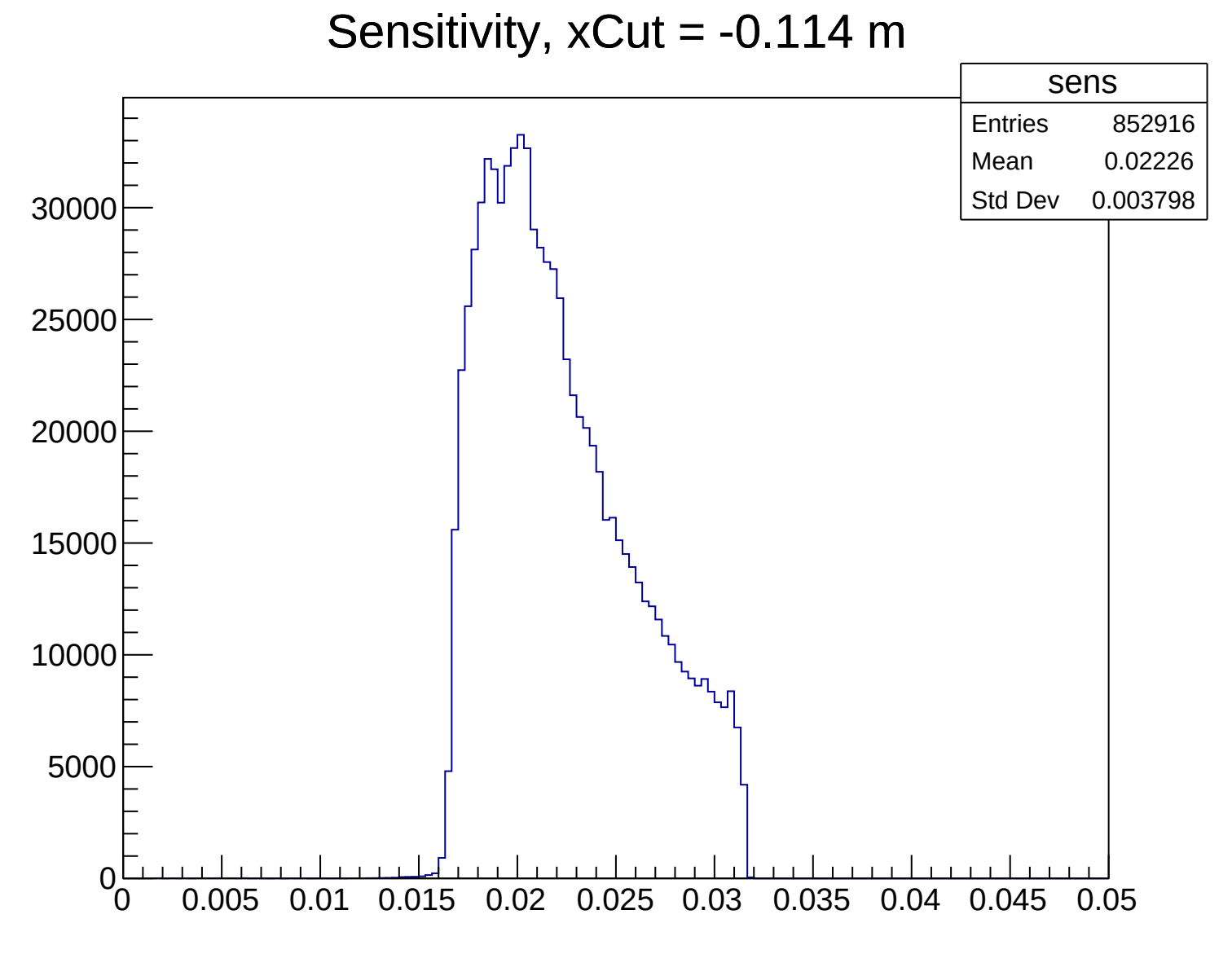

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)


θlab (deg), xCut = -0.114 m
Theta
Entries 852916
Mean 4.785
Std Dev 0.4408
35000
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), xCut = -0.114 m
Asym
Entries 852916
Mean 0.5719
Std Dev 0.07477
30000
25000
20000
15000
10000
5000
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 852916
Mean 0.5589
Std Dev 0.07108
35000
30000
25000
20000
15000
10000
5000
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 852916
Mean 0.006323
Std Dev 0.001193
35000
30000
25000
20000
15000
10000
5000
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 852916
Mean 0.02226
Std Dev 0.003798
30000
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05