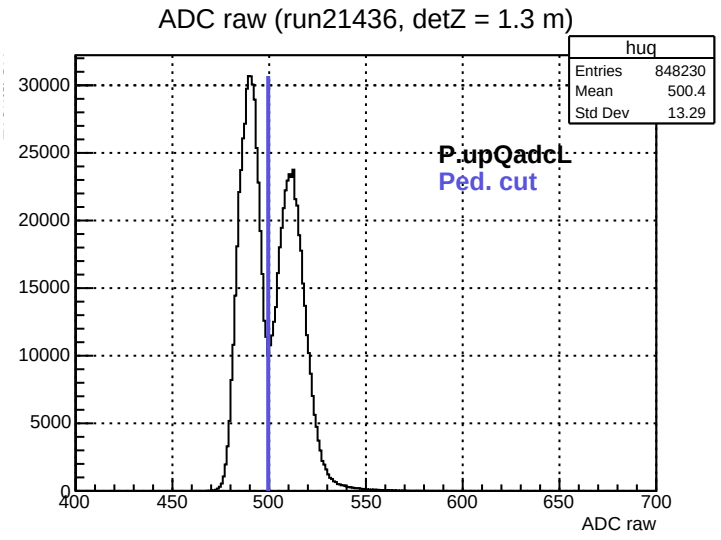
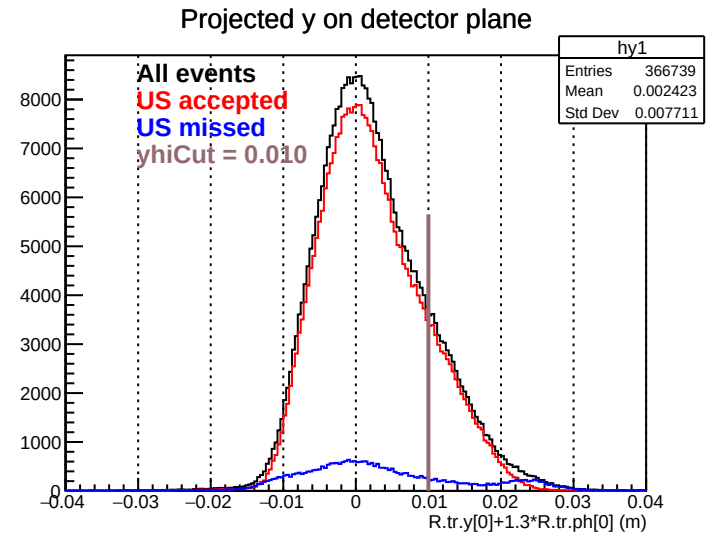
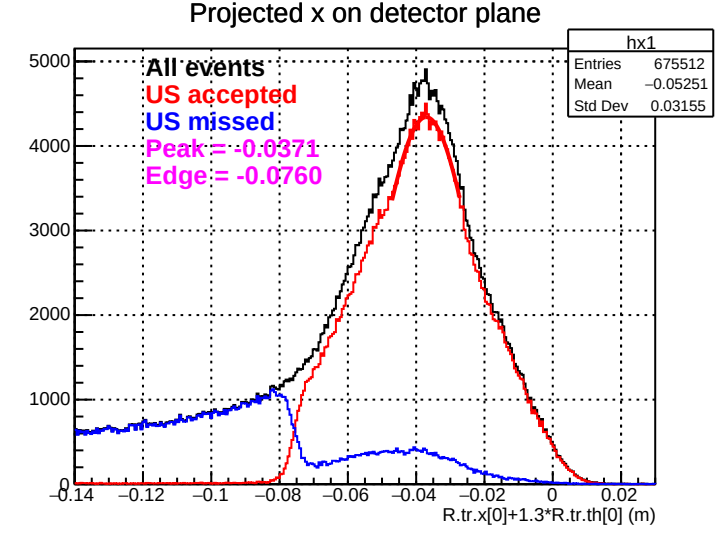
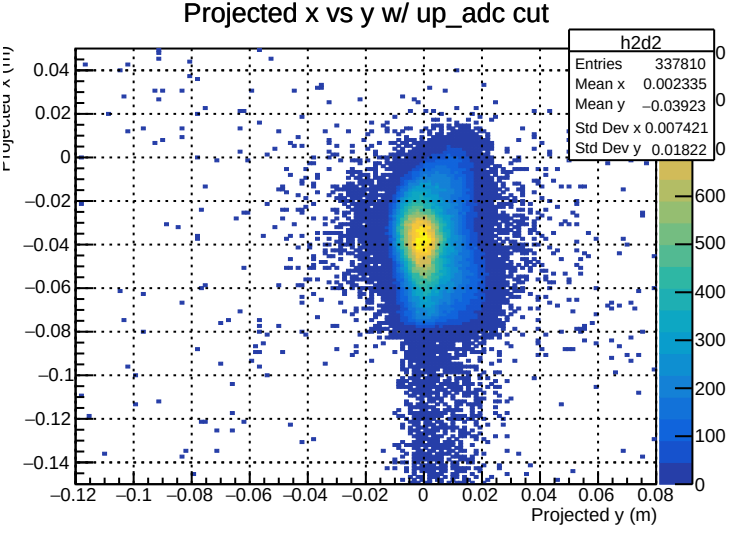
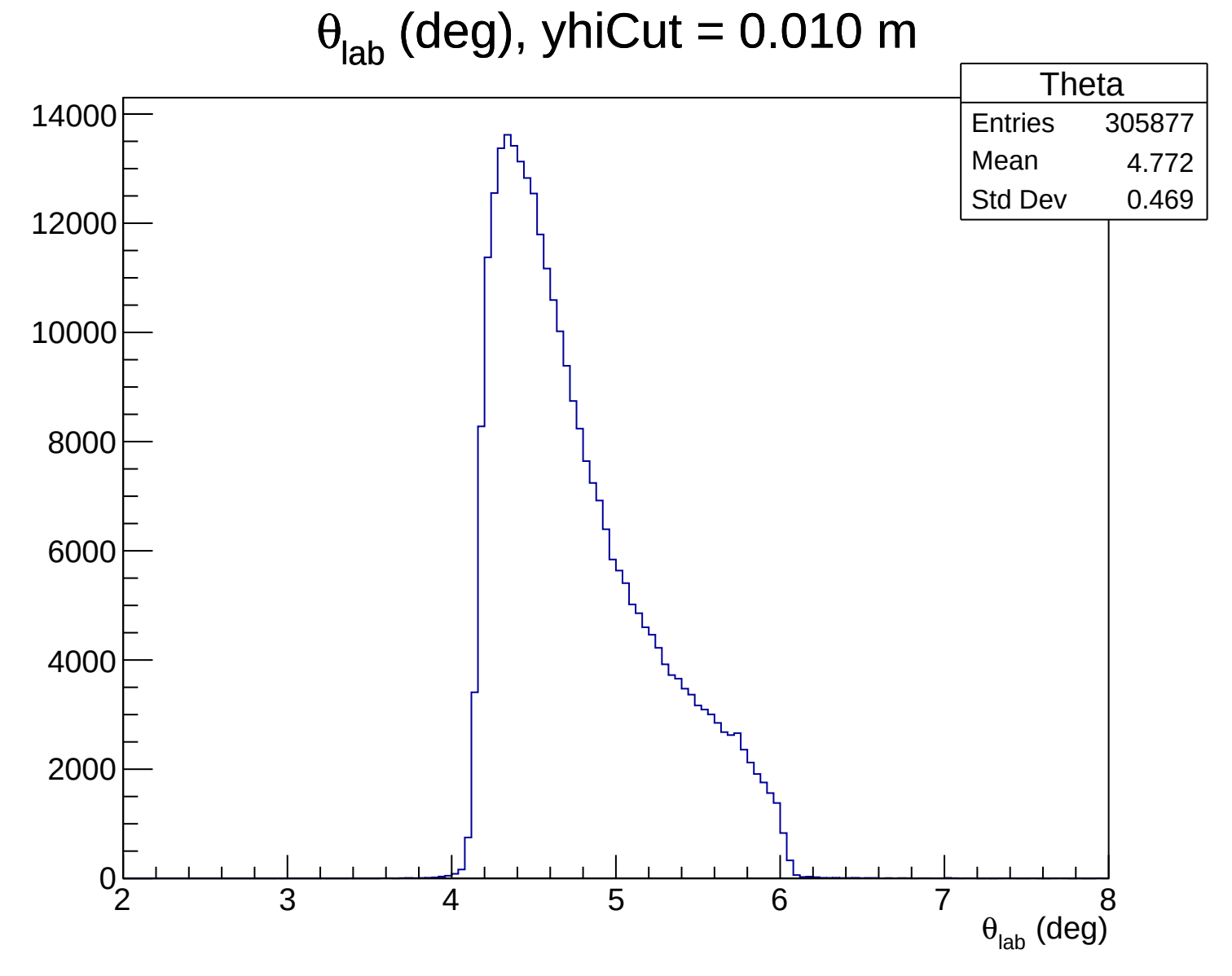
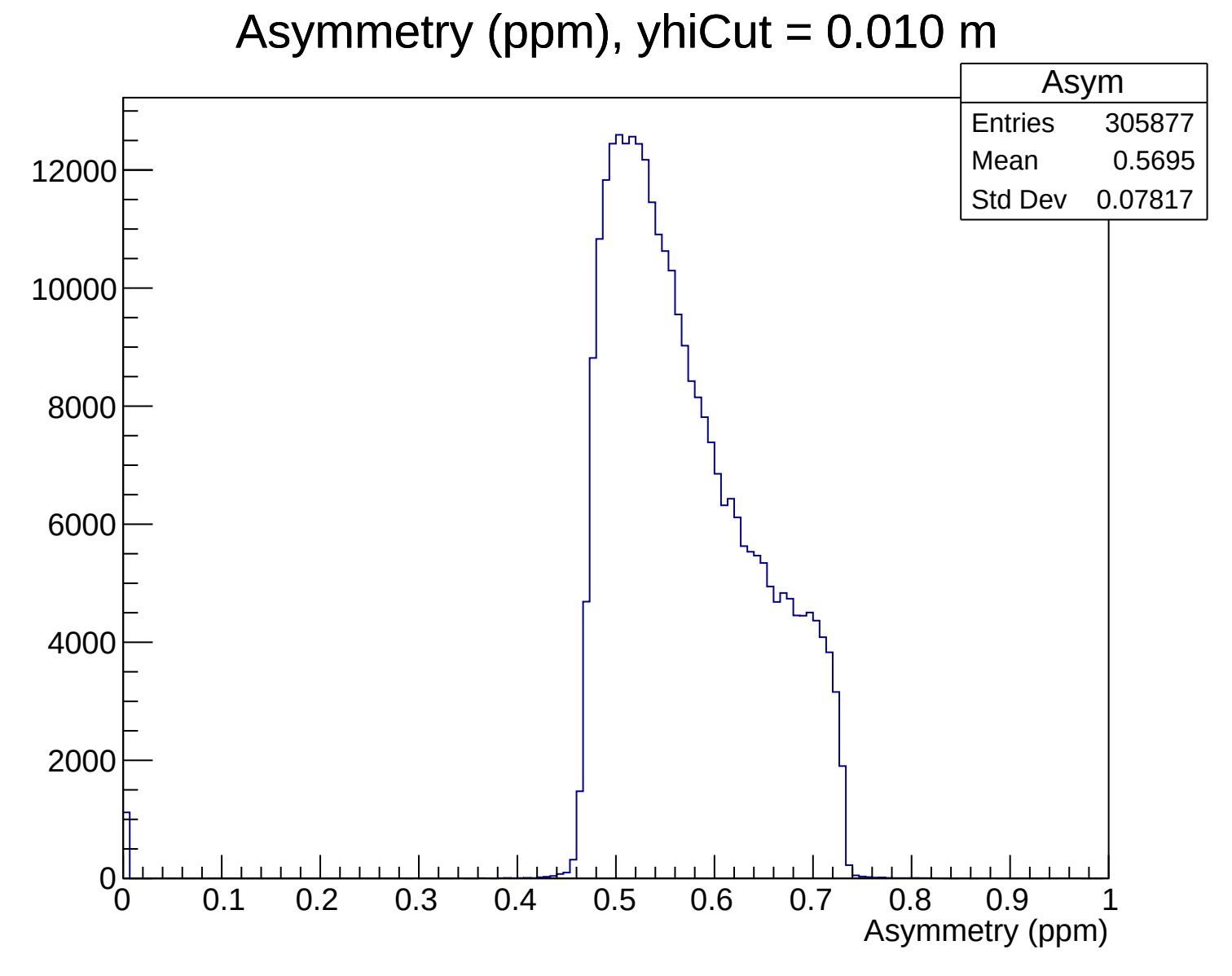

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

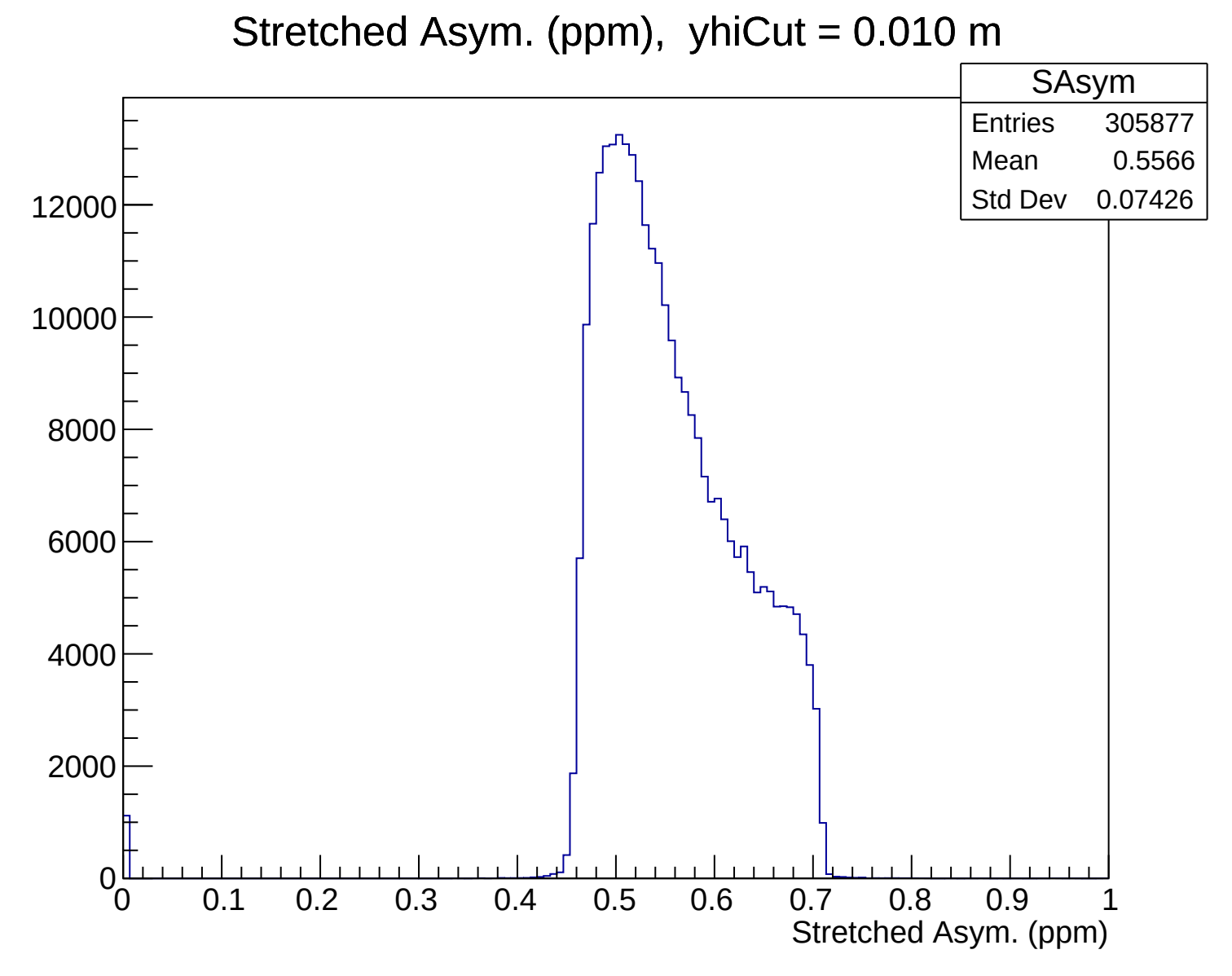

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.010
R.tr.y[0]+1.3*R.tr.ph[0] (m)

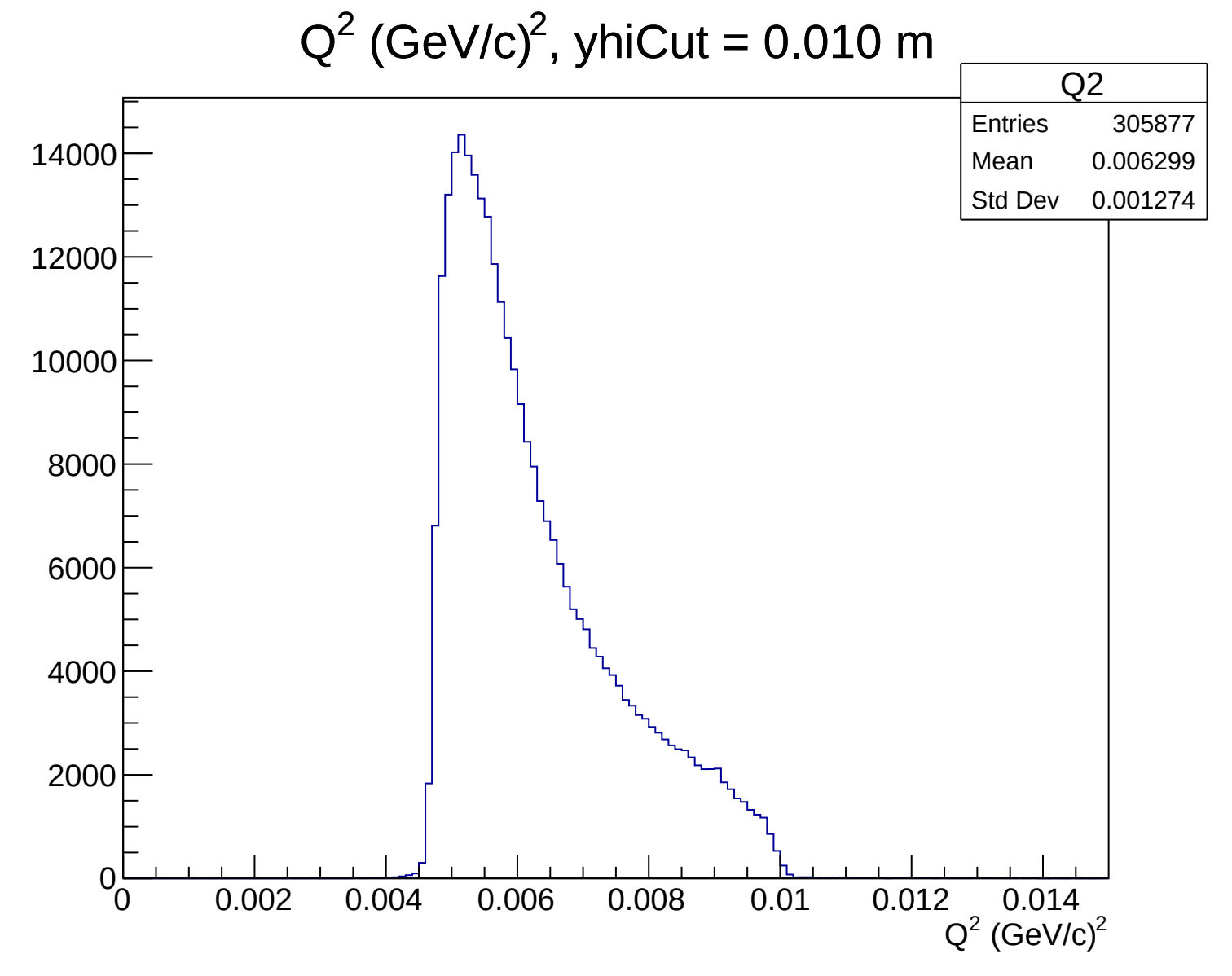

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

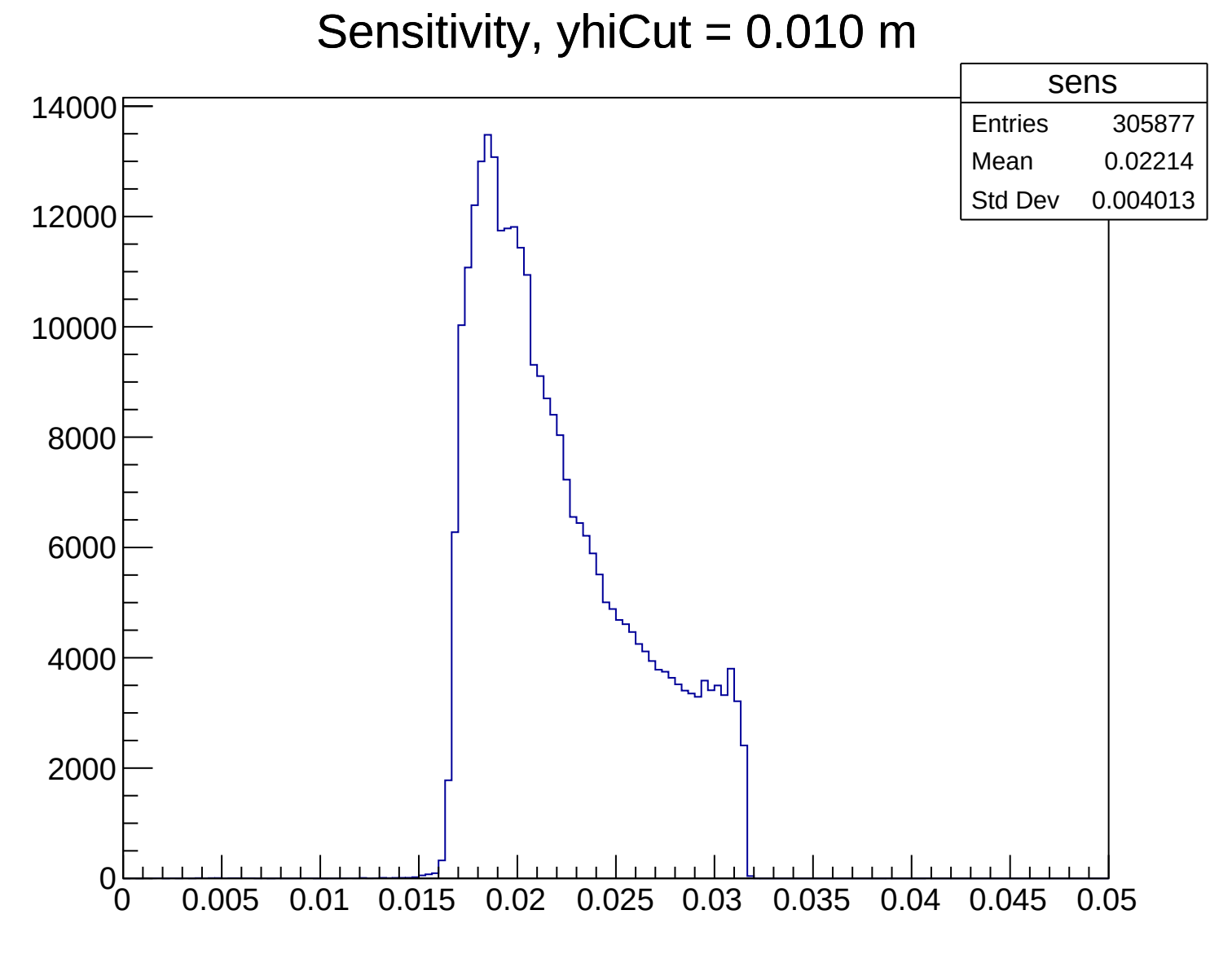

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

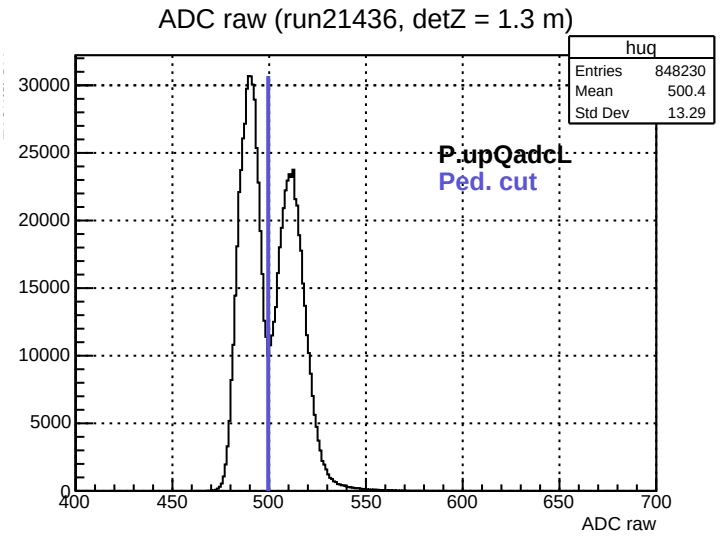

θlab (deg), yhiCut = 0.010 m
Theta
Entries 305877
Mean 4.772
Std Dev 0.469
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

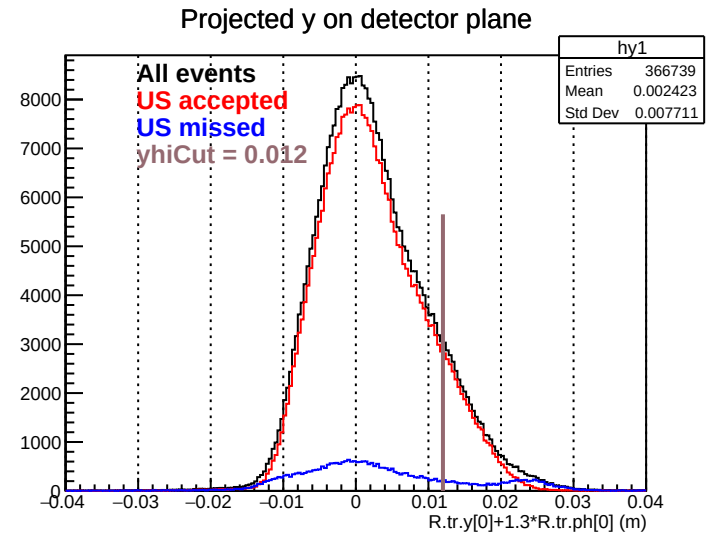

Asymmetry (ppm), yhiCut = 0.010 m
Asym
Entries 305877
Mean 0.5695
Std Dev 0.07817
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

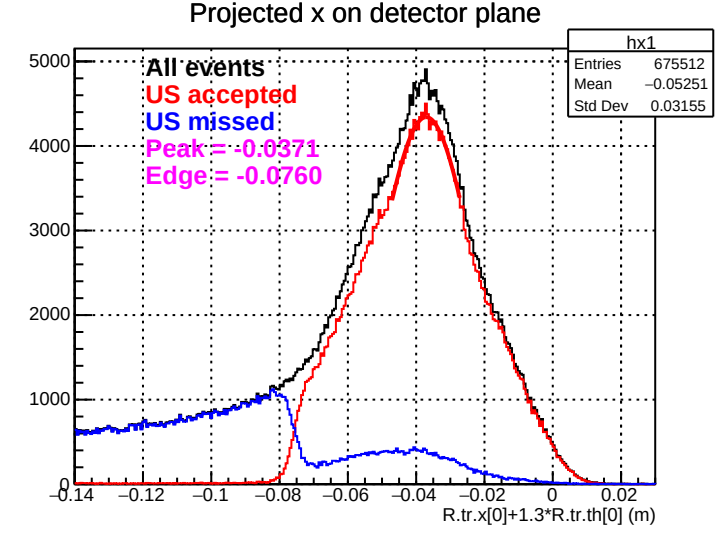

Stretched Asym. (ppm), yhiCut = 0.010 m
SAsym
Entries 305877
Mean 0.5566
Std Dev 0.07426
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

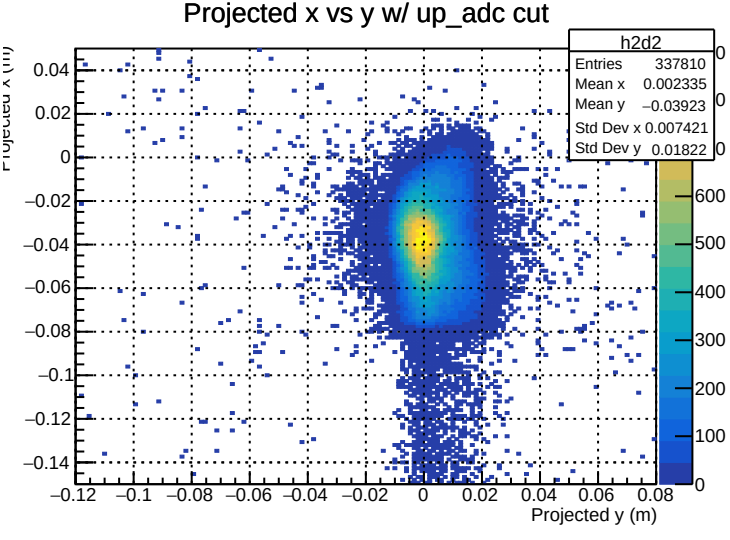

Q^2 (GeV/c)^2, yhiCut = 0.010 m
Q2
Entries 305877
Mean 0.006299
Std Dev 0.001274
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

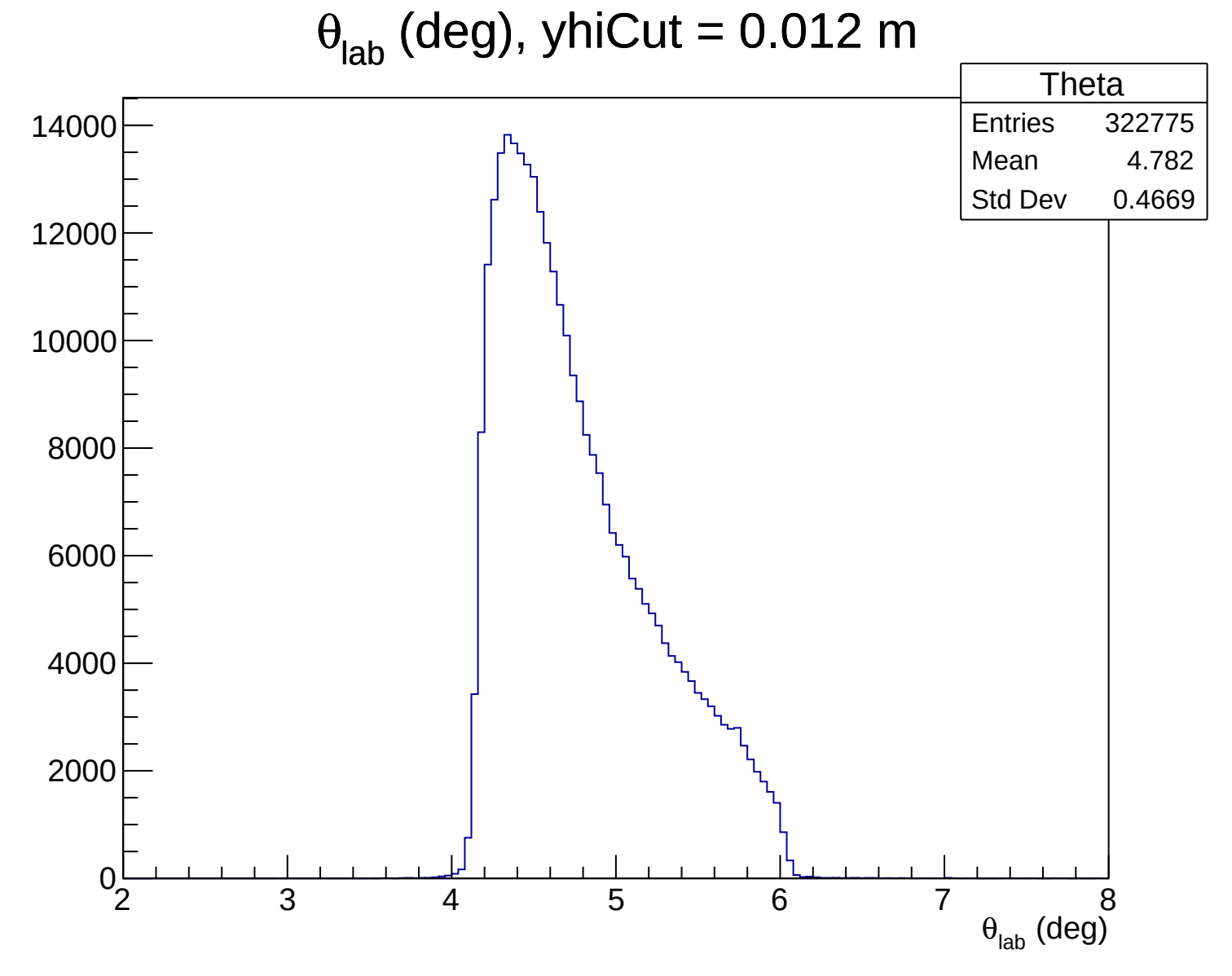

Sensitivity, yhiCut = 0.010 m
sens
Entries 305877
Mean 0.02214
Std Dev 0.004013
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

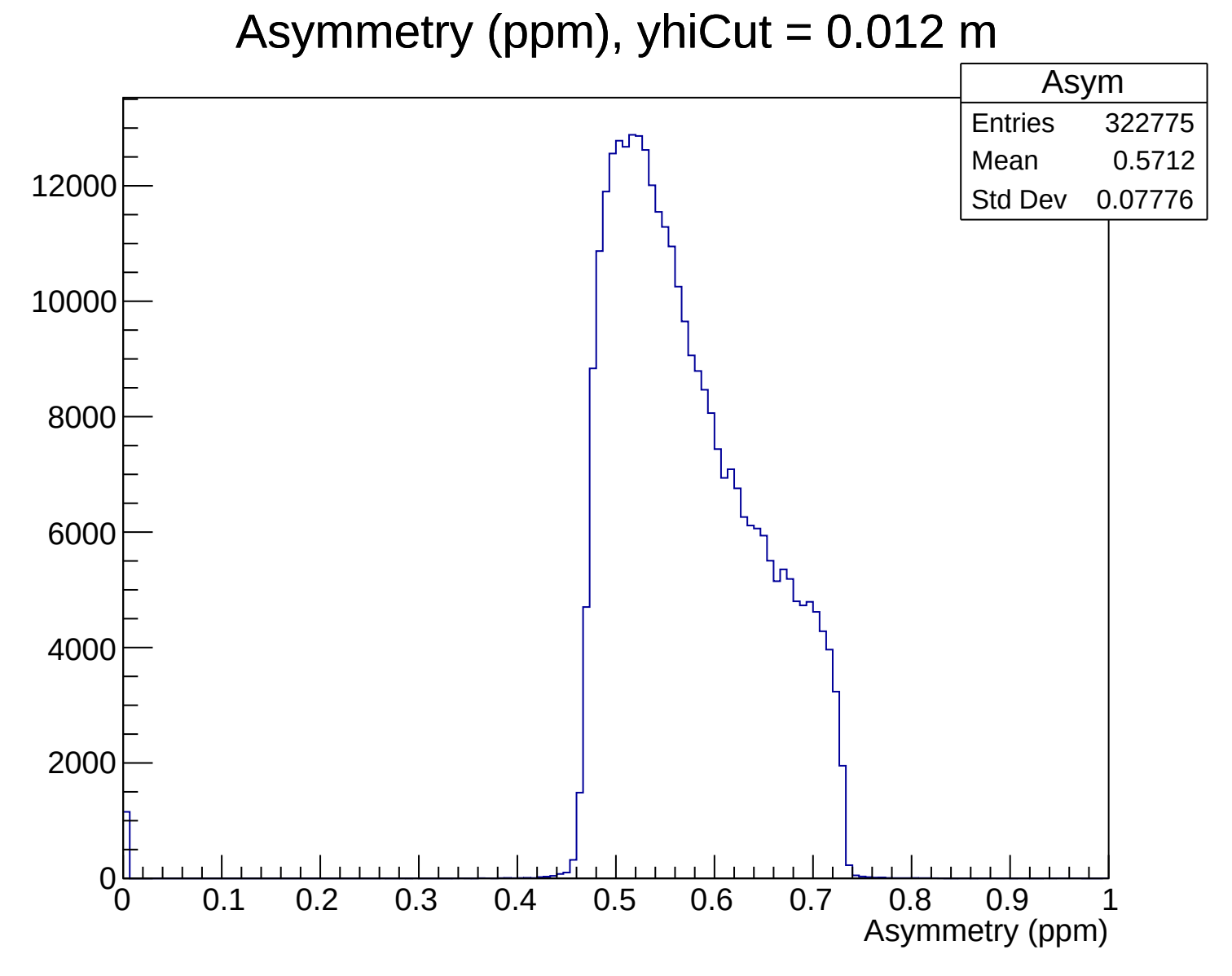

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

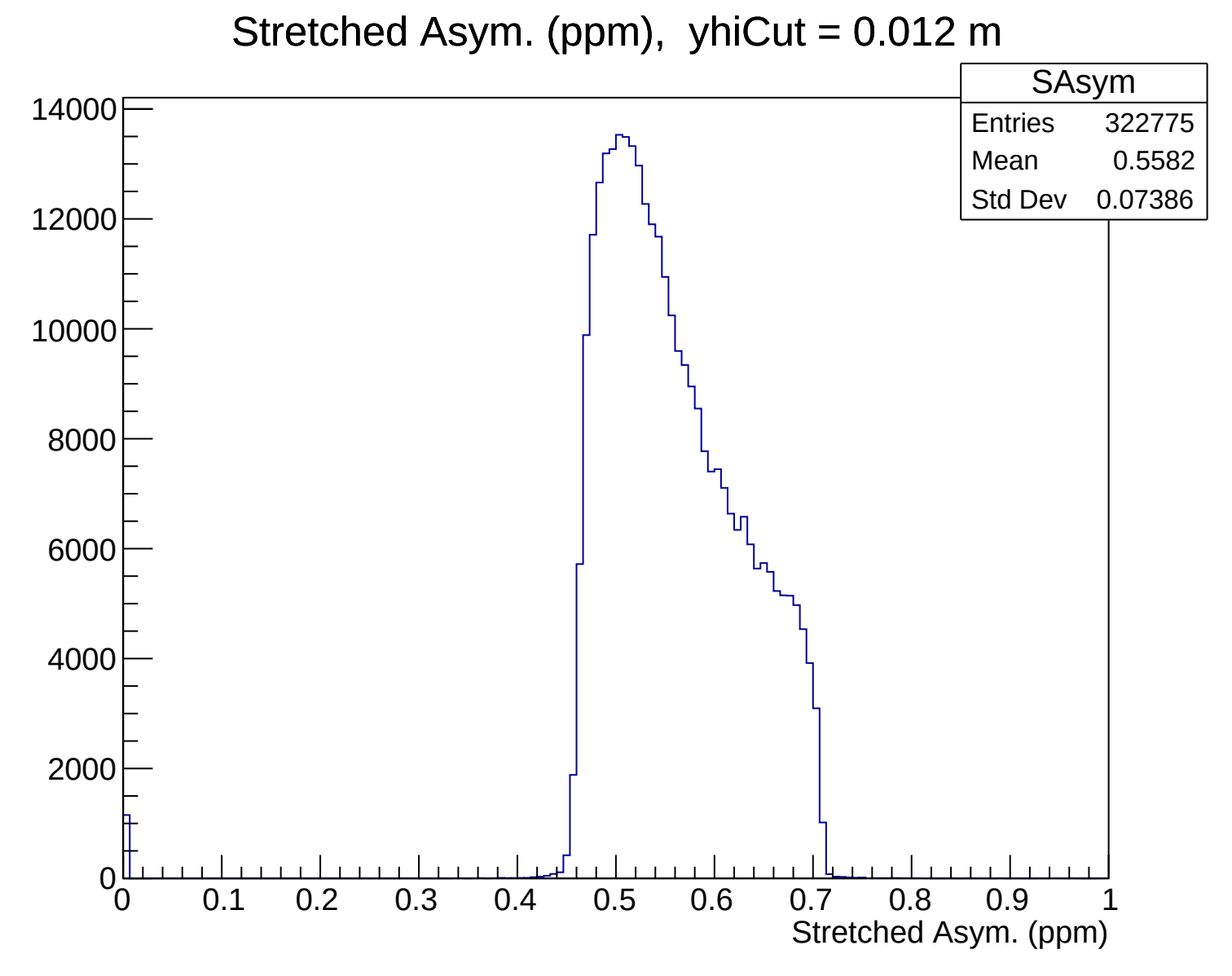

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.012
R.tr.y[0]+1.3*R.tr.ph[0] (m)

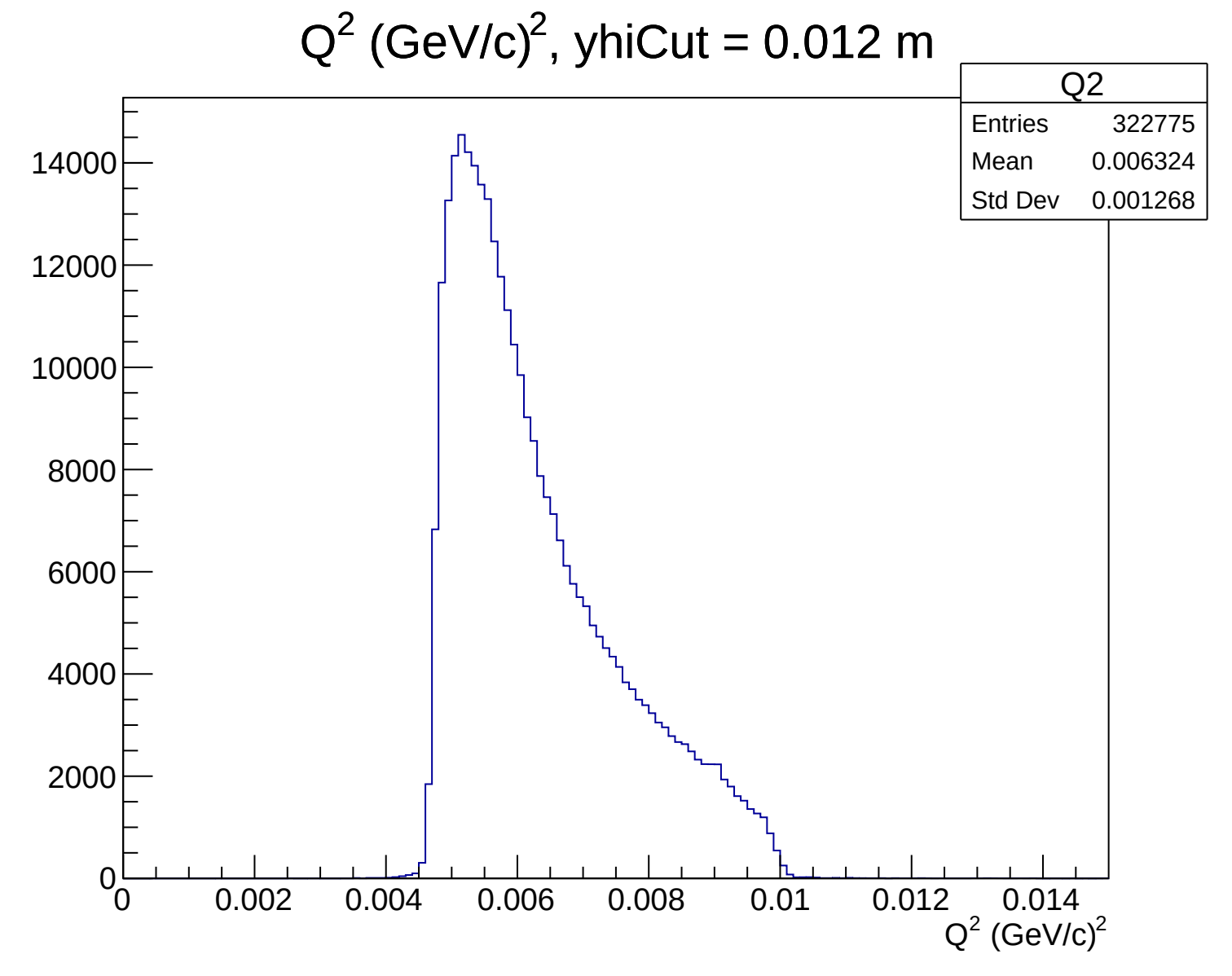

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

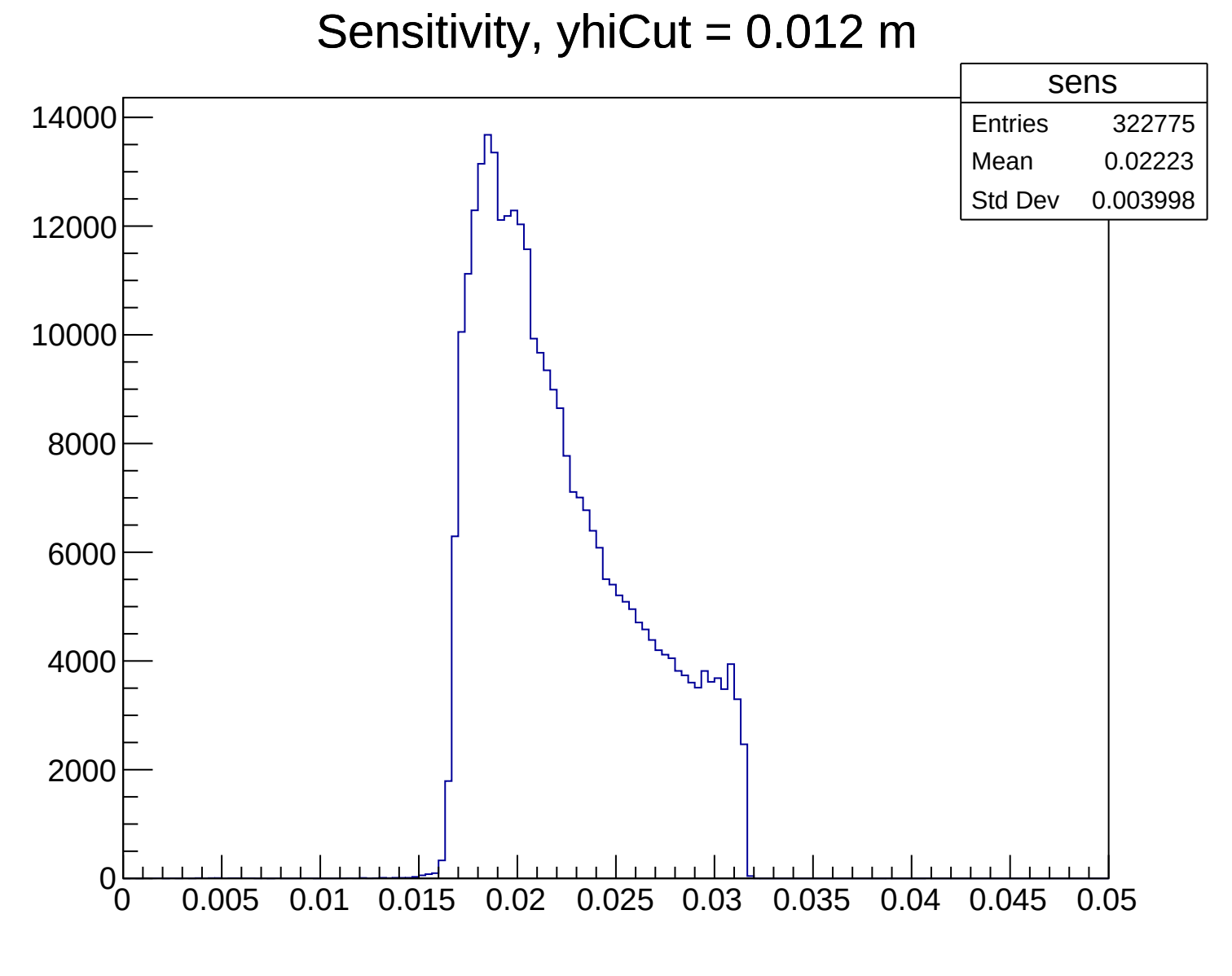

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

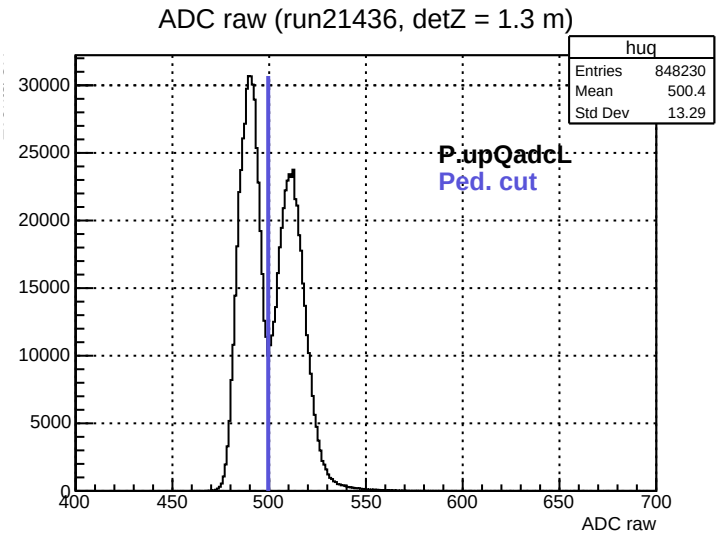

θlab (deg), yhiCut = 0.012 m
Theta
Entries 322775
Mean 4.782
Std Dev 0.4669
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

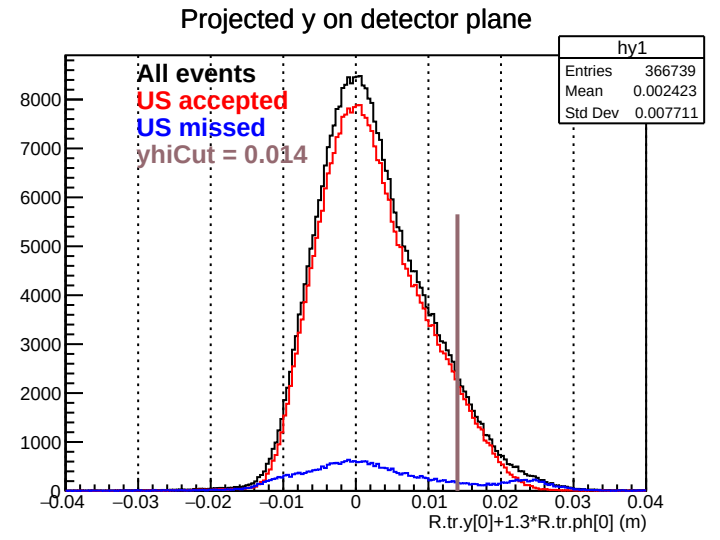

Asymmetry (ppm), yhiCut = 0.012 m
Asym
Entries 322775
Mean 0.5712
Std Dev 0.07776
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

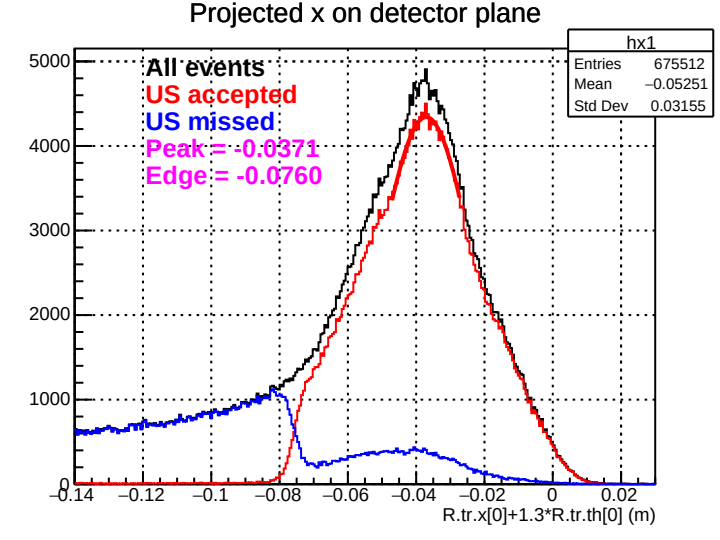

Stretched Asym. (ppm), yhiCut = 0.012 m
SAsym
Entries 322775
Mean 0.5582
Std Dev 0.07386
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

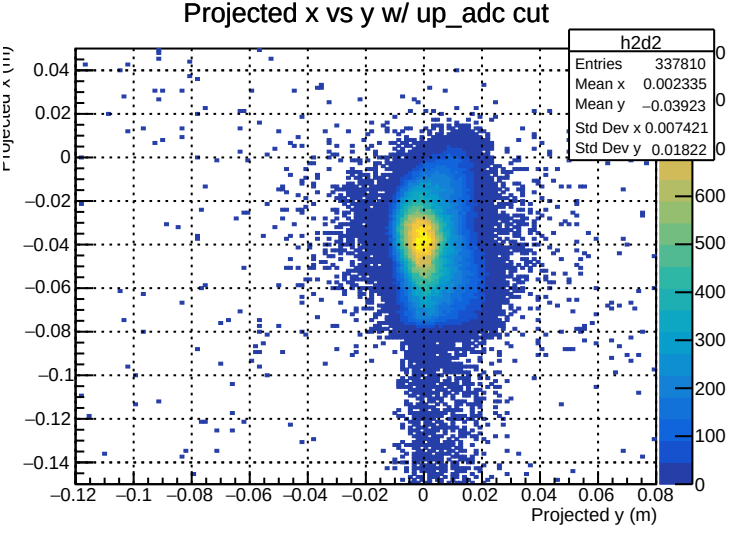

Q^2 (GeV/c)^2, yhiCut = 0.012 m
Q2
Entries 322775
Mean 0.006324
Std Dev 0.001268
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

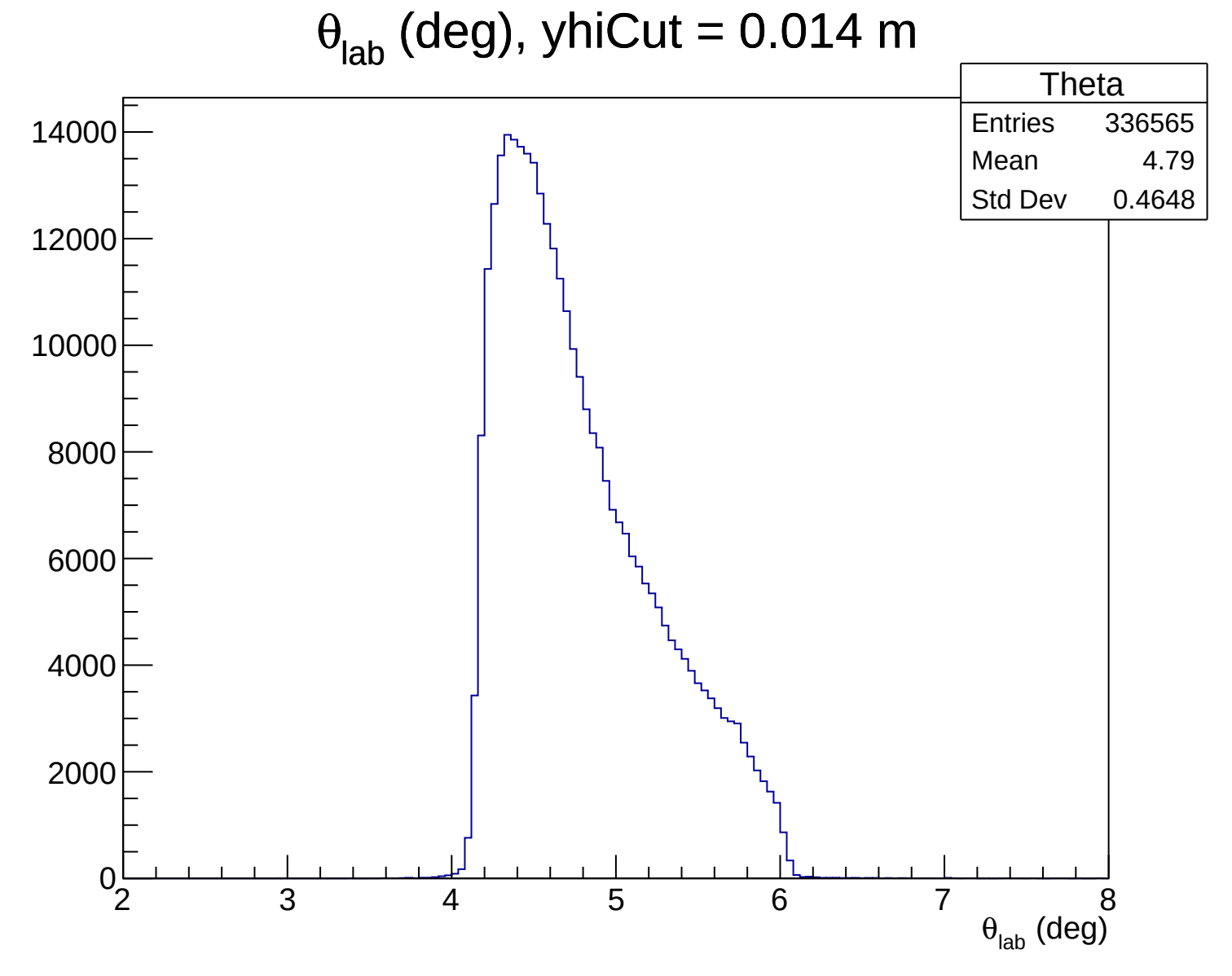

Sensitivity, yhiCut = 0.012 m
sens
Entries 322775
Mean 0.02223
Std Dev 0.003998
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

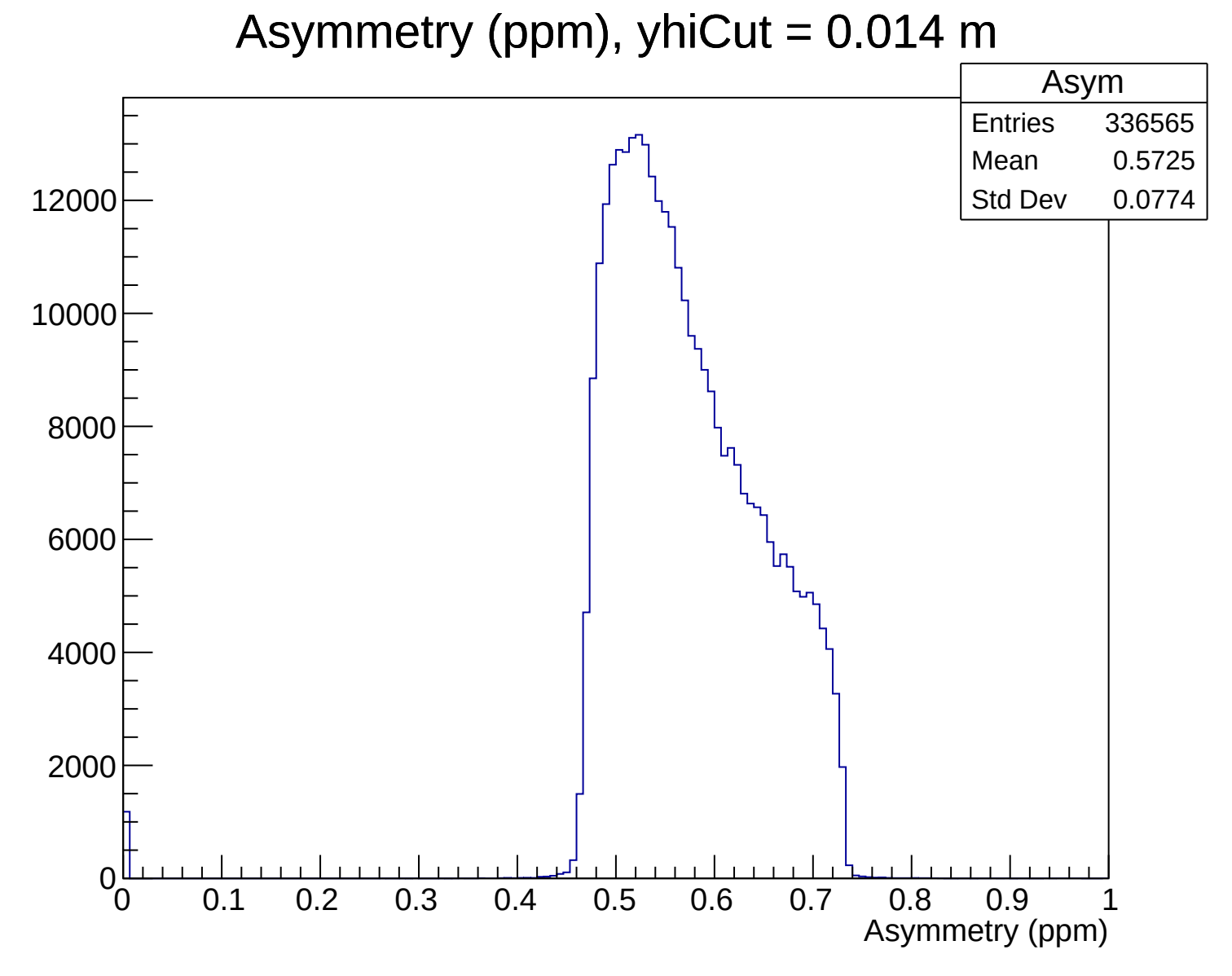

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

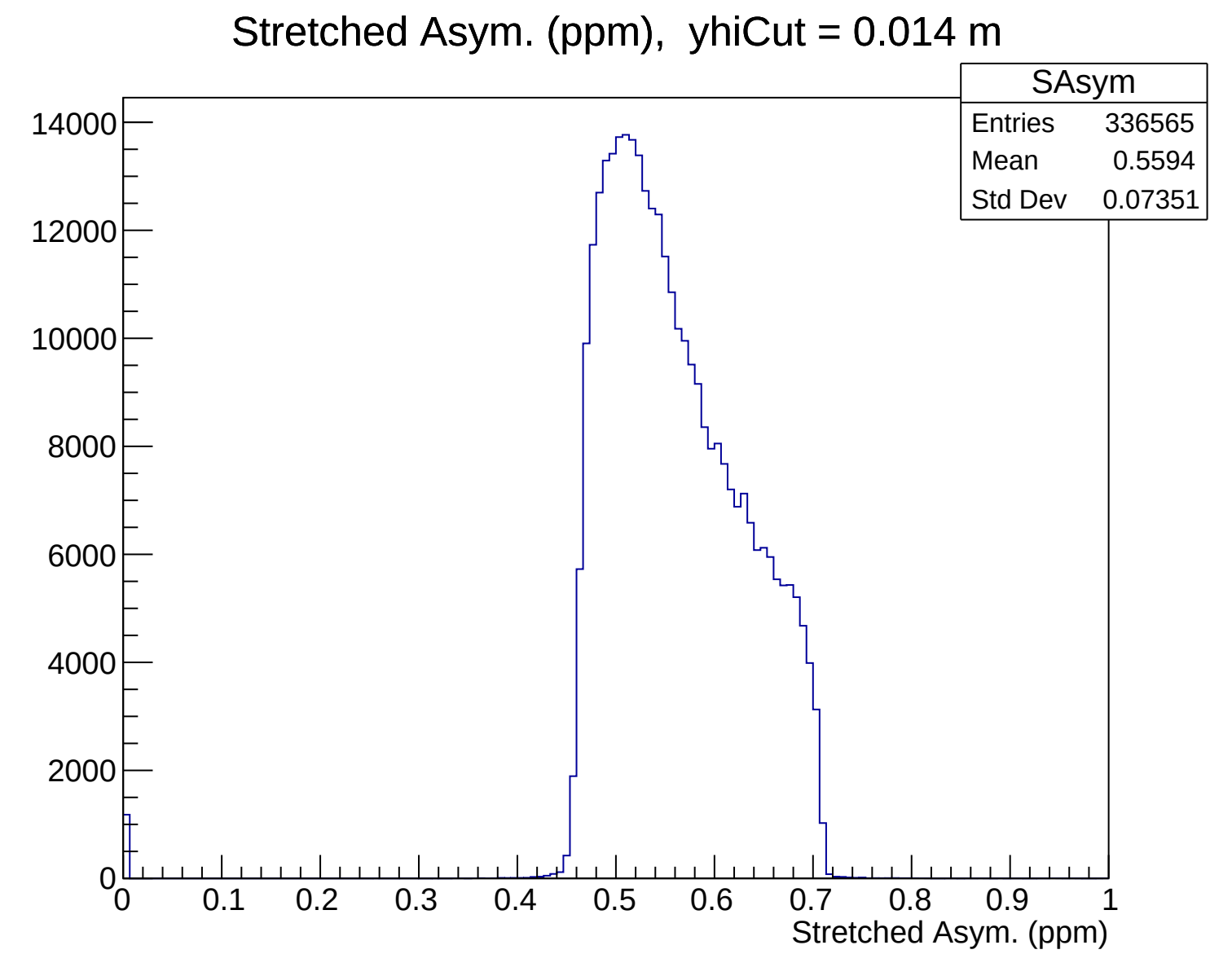

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.014
R.tr.y[0]+1.3*R.tr.ph[0] (m)

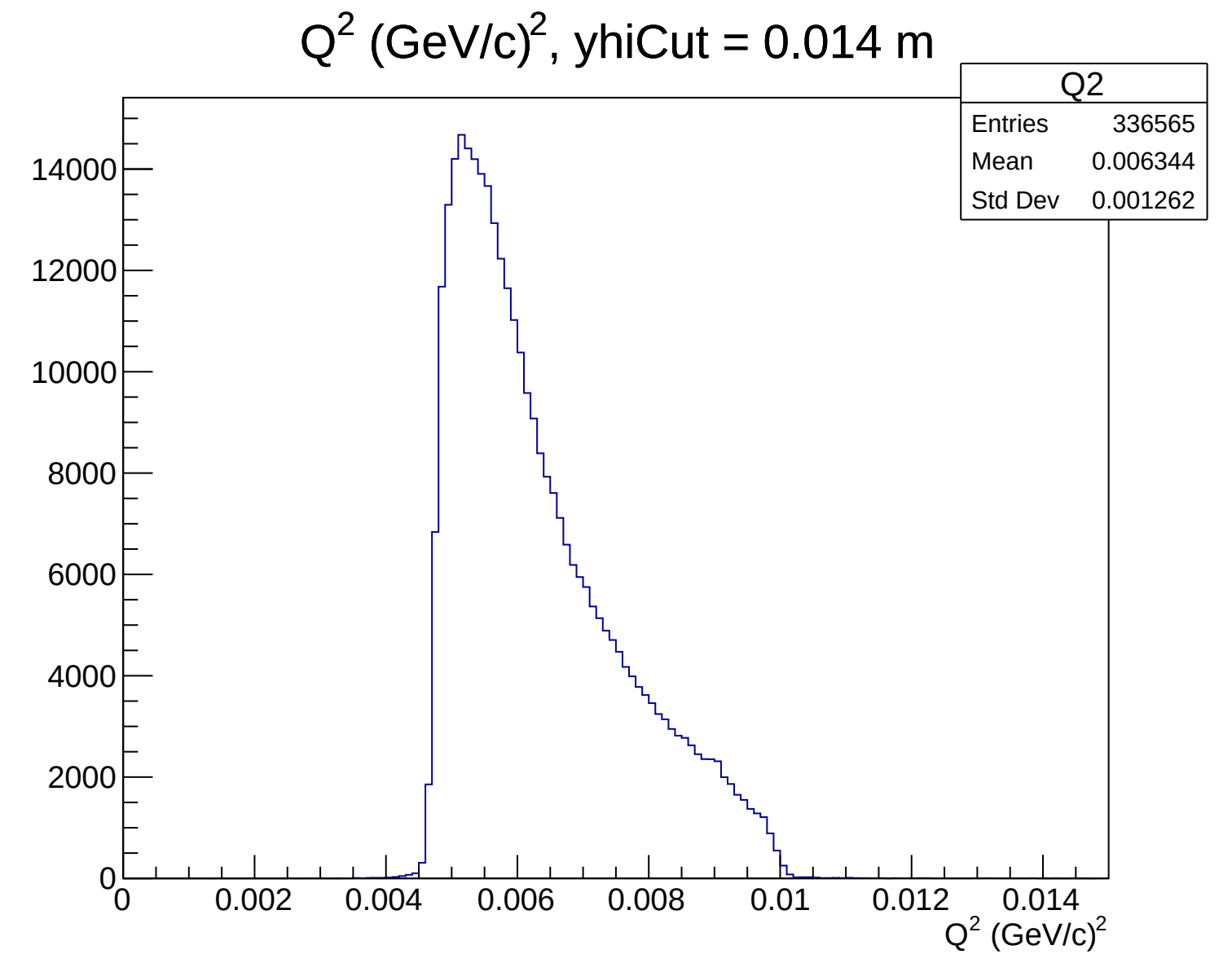

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

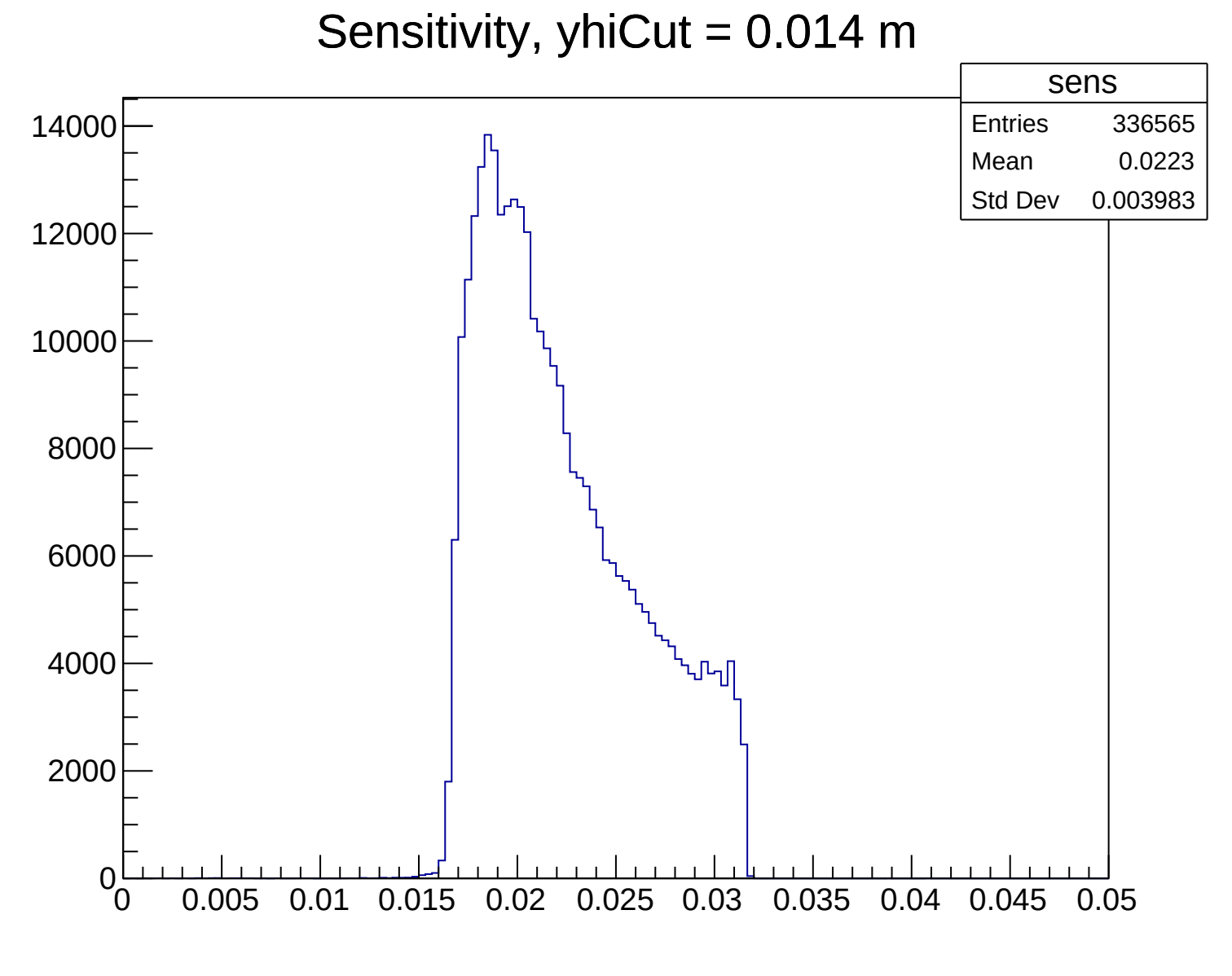

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

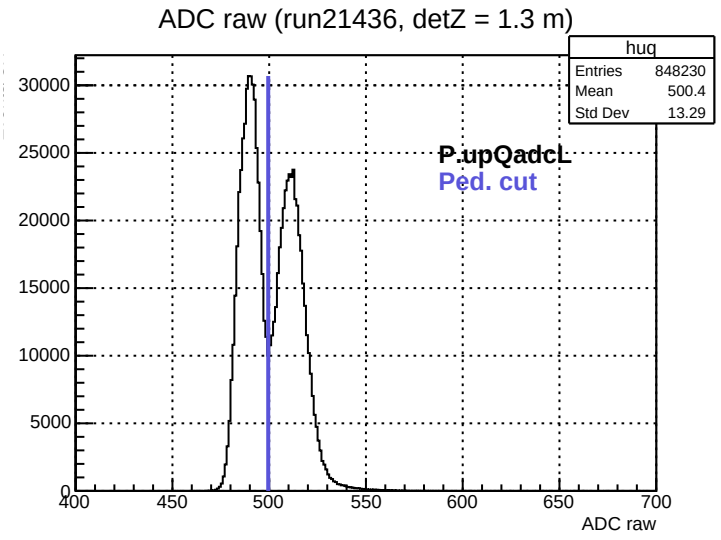

θlab (deg), yhiCut = 0.014 m
Theta
Entries 336565
Mean 4.79
Std Dev 0.4648
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

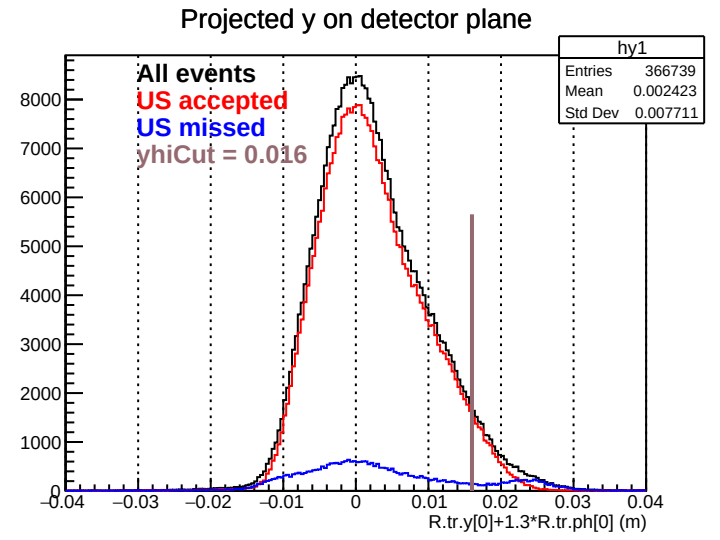

Asymmetry (ppm), yhiCut = 0.014 m
Asym
Entries 336565
Mean 0.5725
Std Dev 0.0774
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

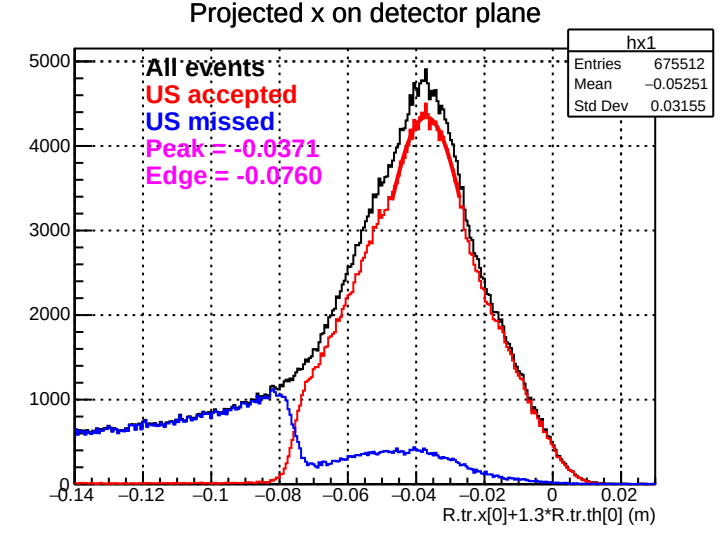

Stretched Asym. (ppm), yhiCut = 0.014 m
SAsym
Entries 336565
Mean 0.5594
Std Dev 0.07351
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

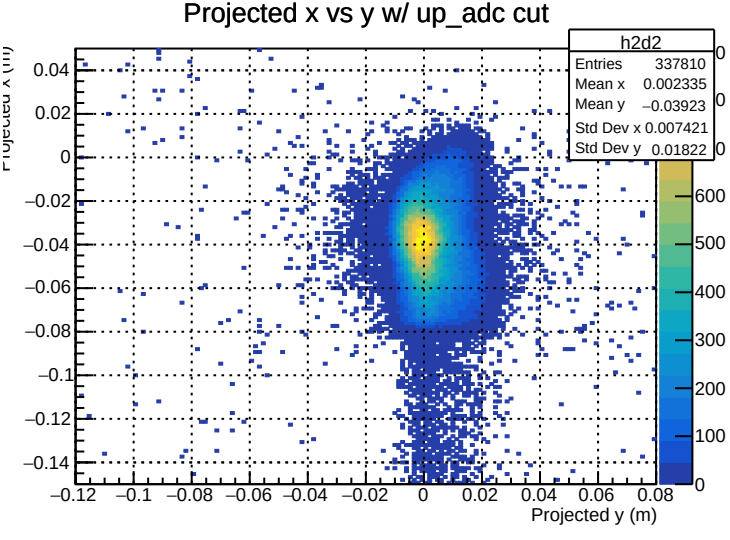

Q^2 (GeV/c)^2, yhiCut = 0.014 m
Q2
Entries 336565
Mean 0.006344
Std Dev 0.001262
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

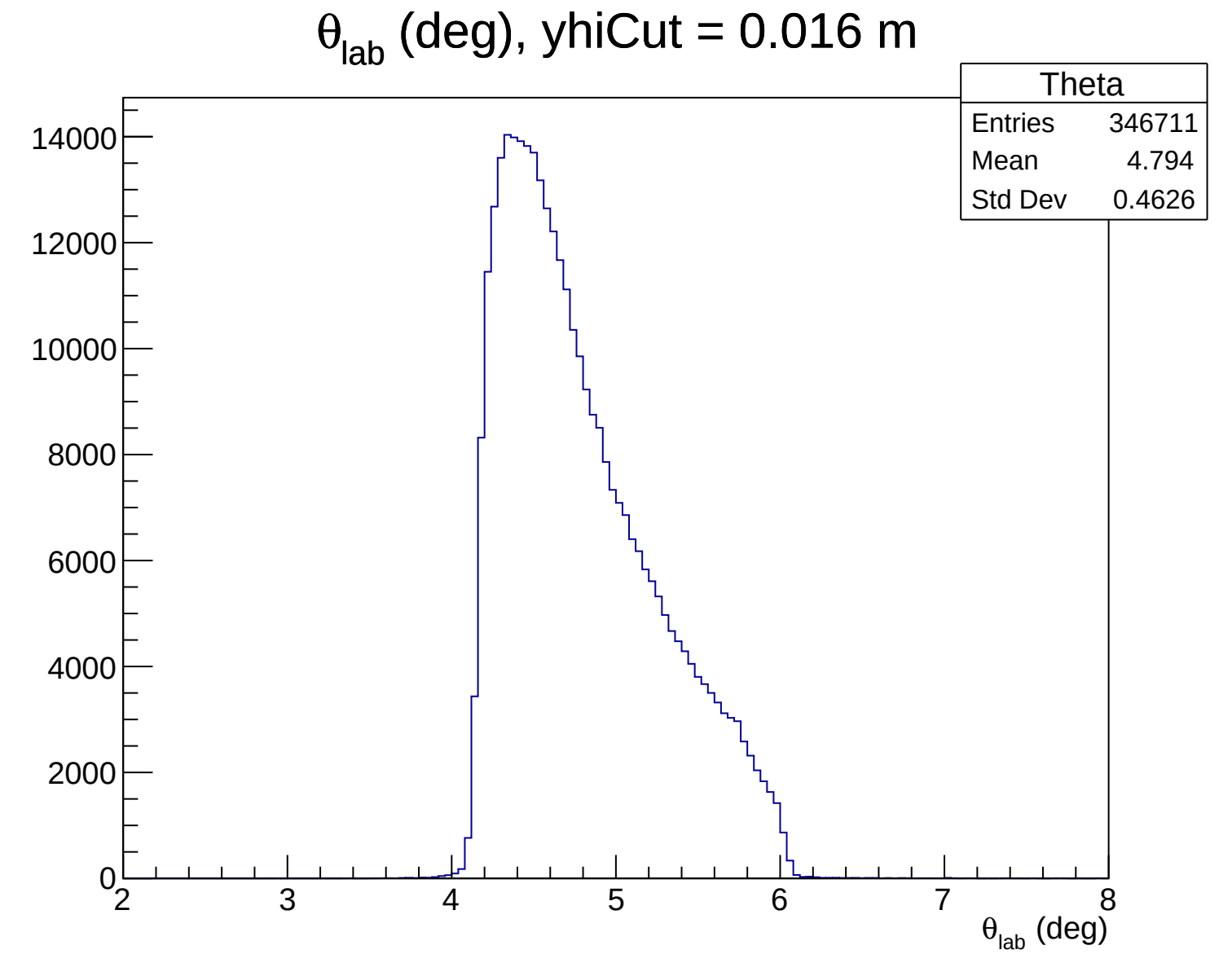

Sensitivity, yhiCut = 0.014 m
sens
Entries 336565
Mean 0.0223
Std Dev 0.003983
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

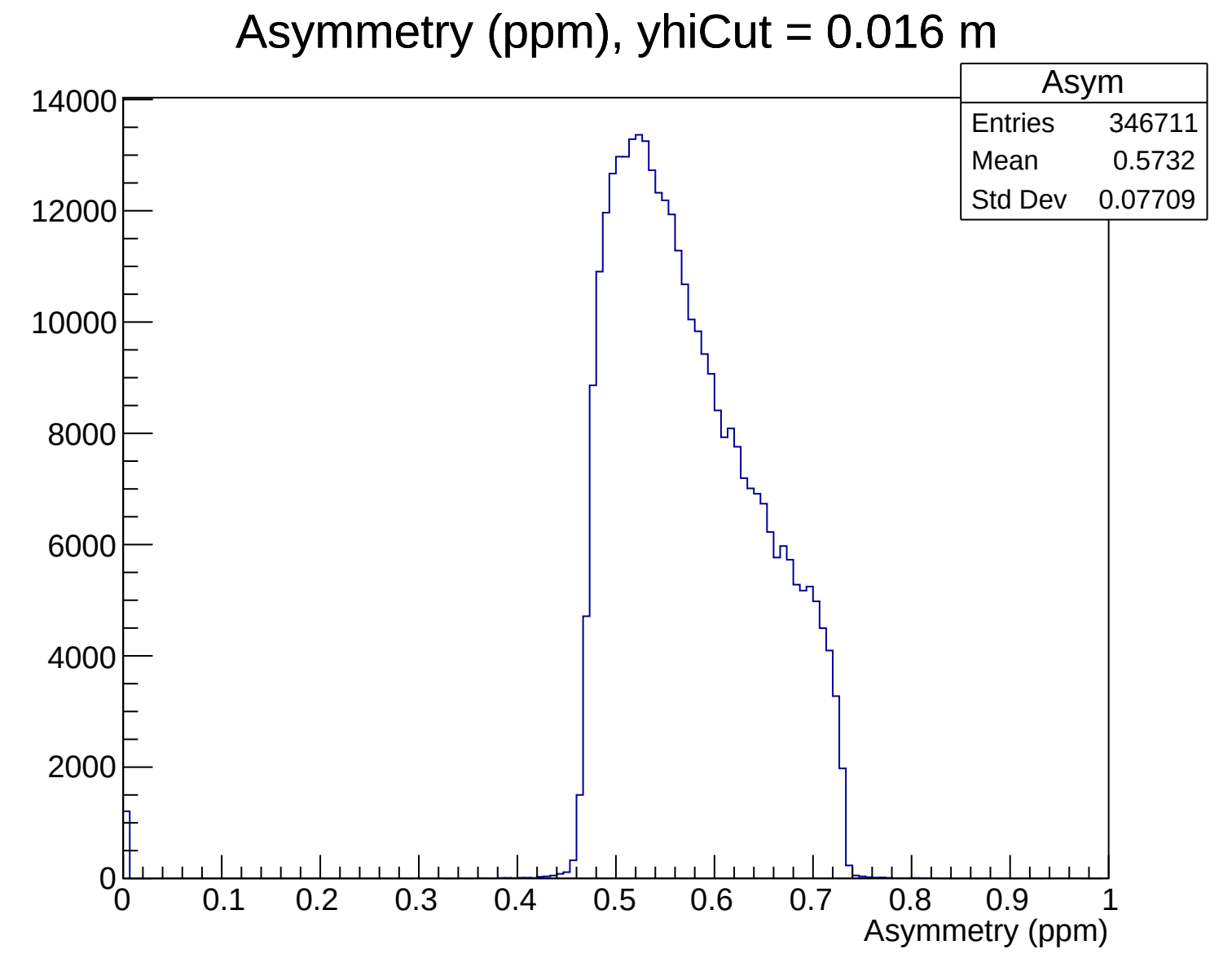

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

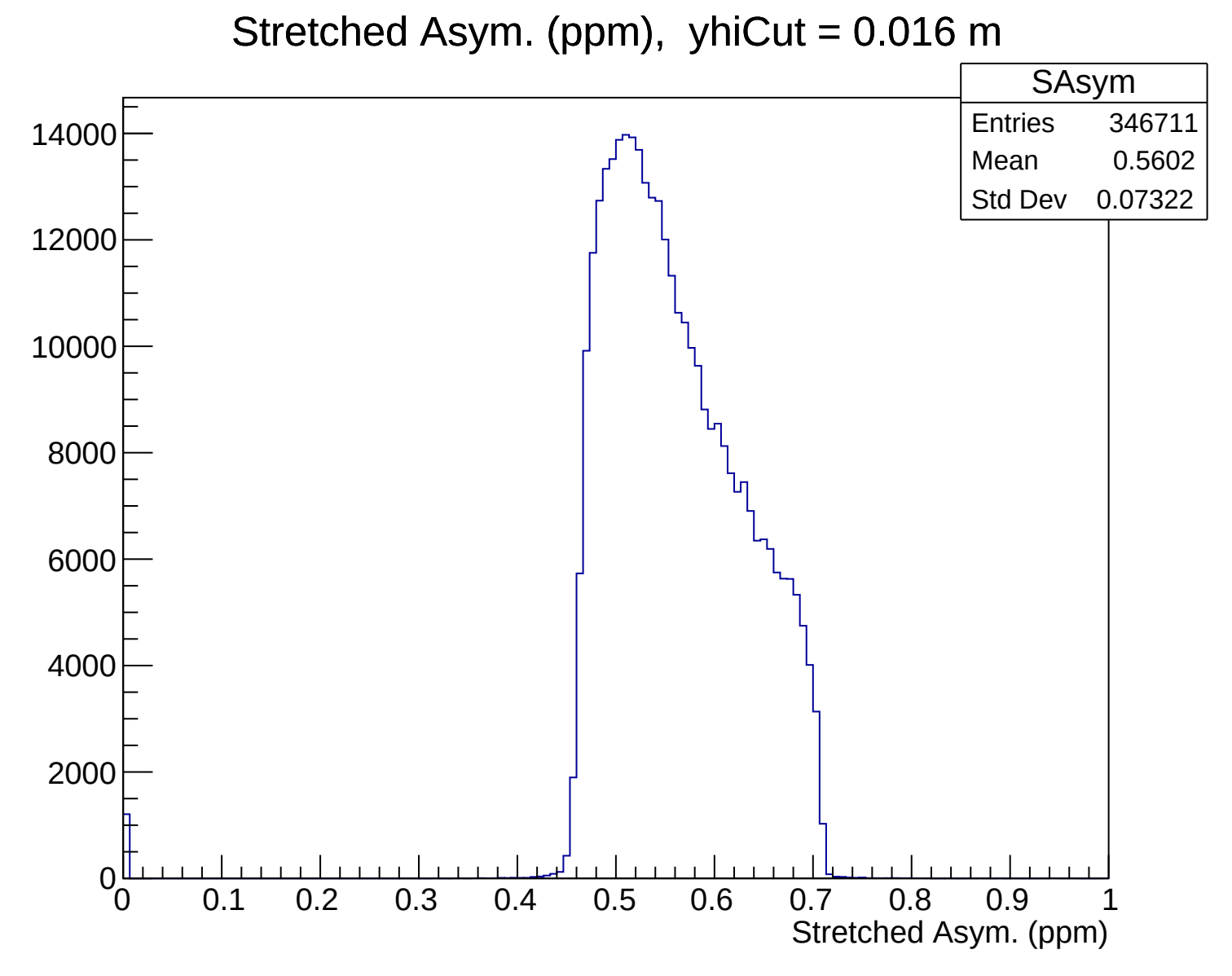

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.016
R.tr.y[0]+1.3*R.tr.ph[0] (m)

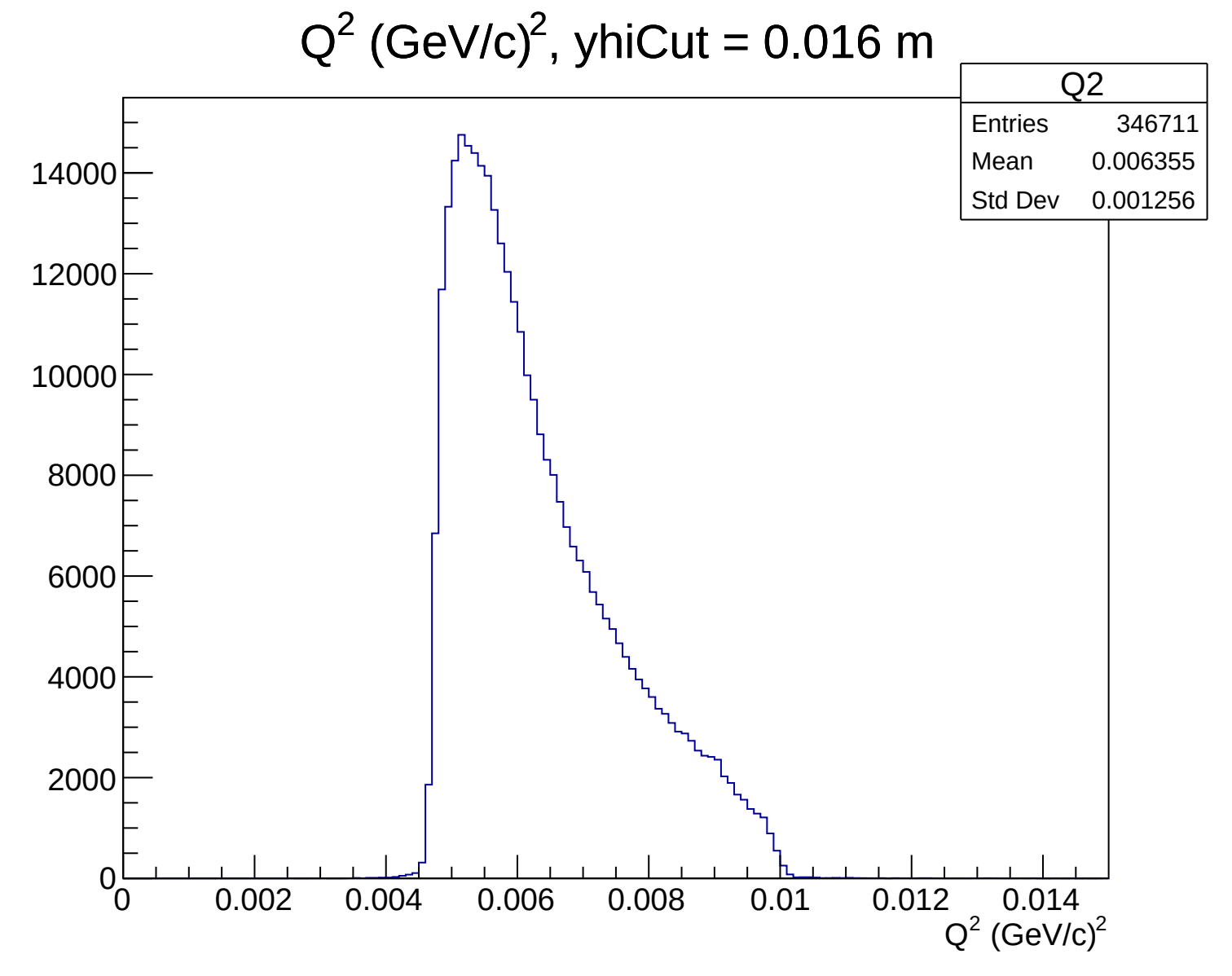

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

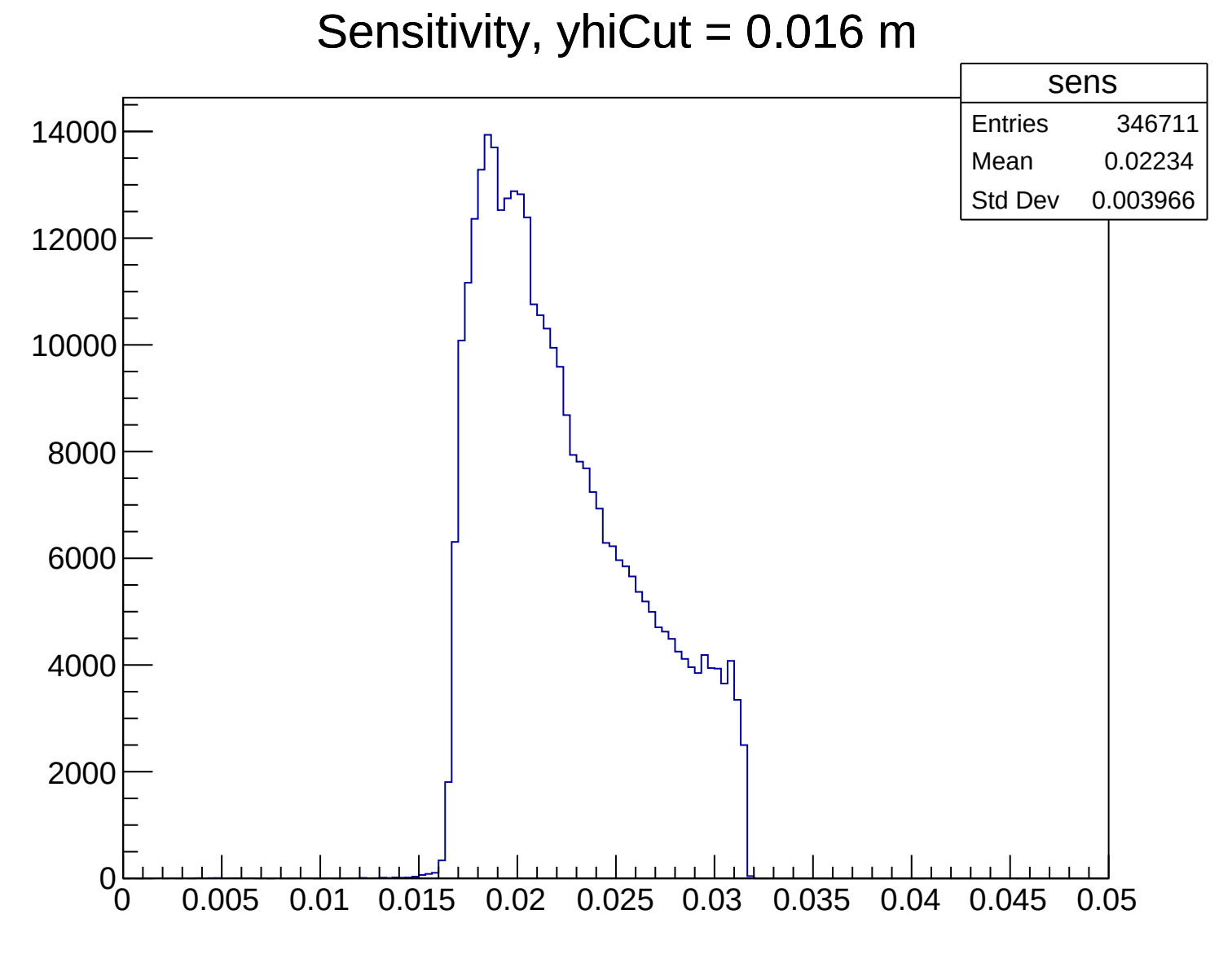

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

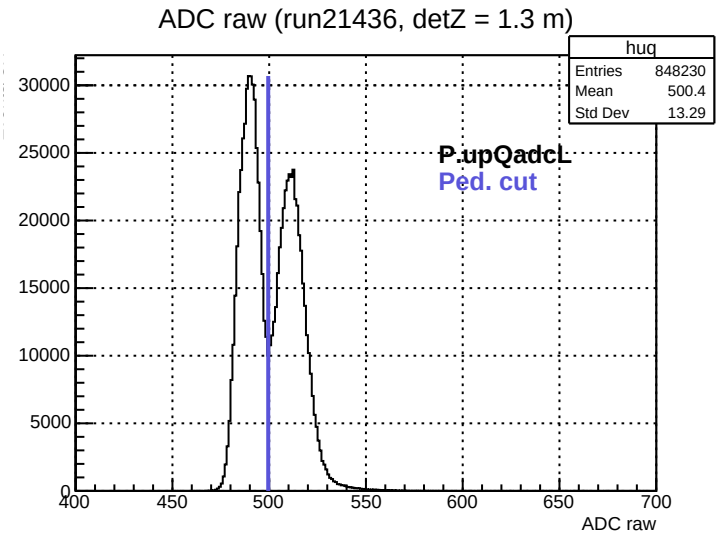

θlab (deg), yhiCut = 0.016 m
Theta
Entries 346711
Mean 4.794
Std Dev 0.4626
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

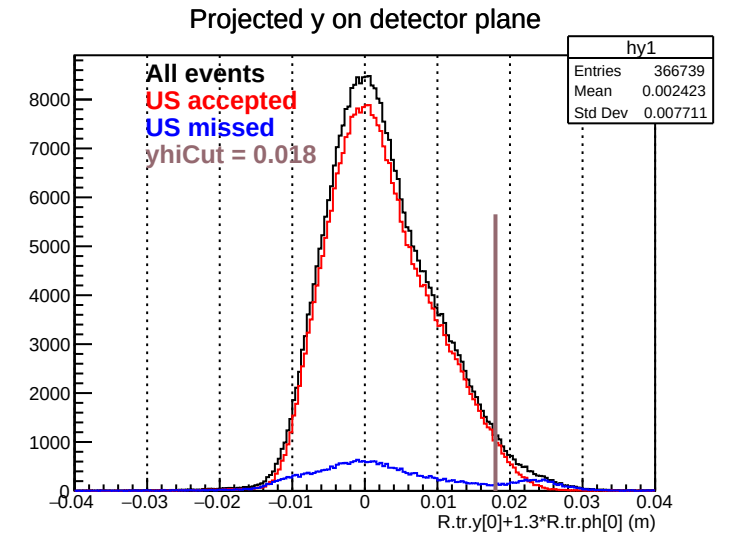

Asymmetry (ppm), yhiCut = 0.016 m
Asym
Entries 346711
Mean 0.5732
Std Dev 0.07709
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

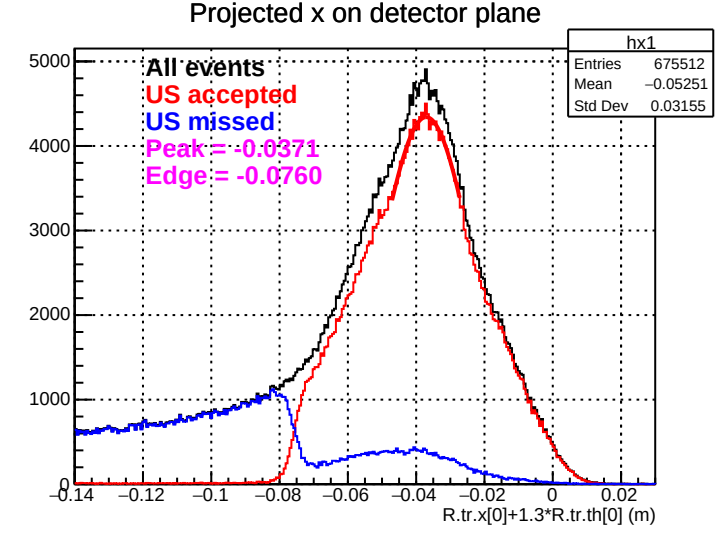

Stretched Asym. (ppm), yhiCut = 0.016 m
SAsym
Entries 346711
Mean 0.5602
Std Dev 0.07322
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

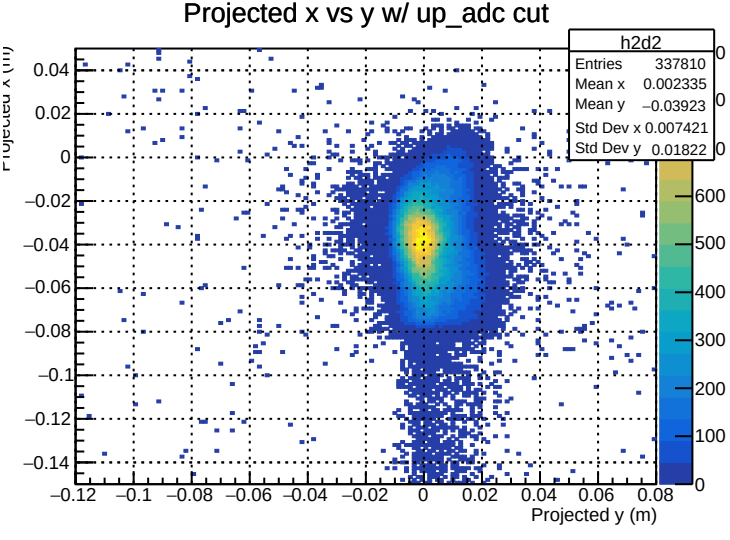

Q^2 (GeV/c)^2, yhiCut = 0.016 m
Q2
Entries 346711
Mean 0.006355
Std Dev 0.001256
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

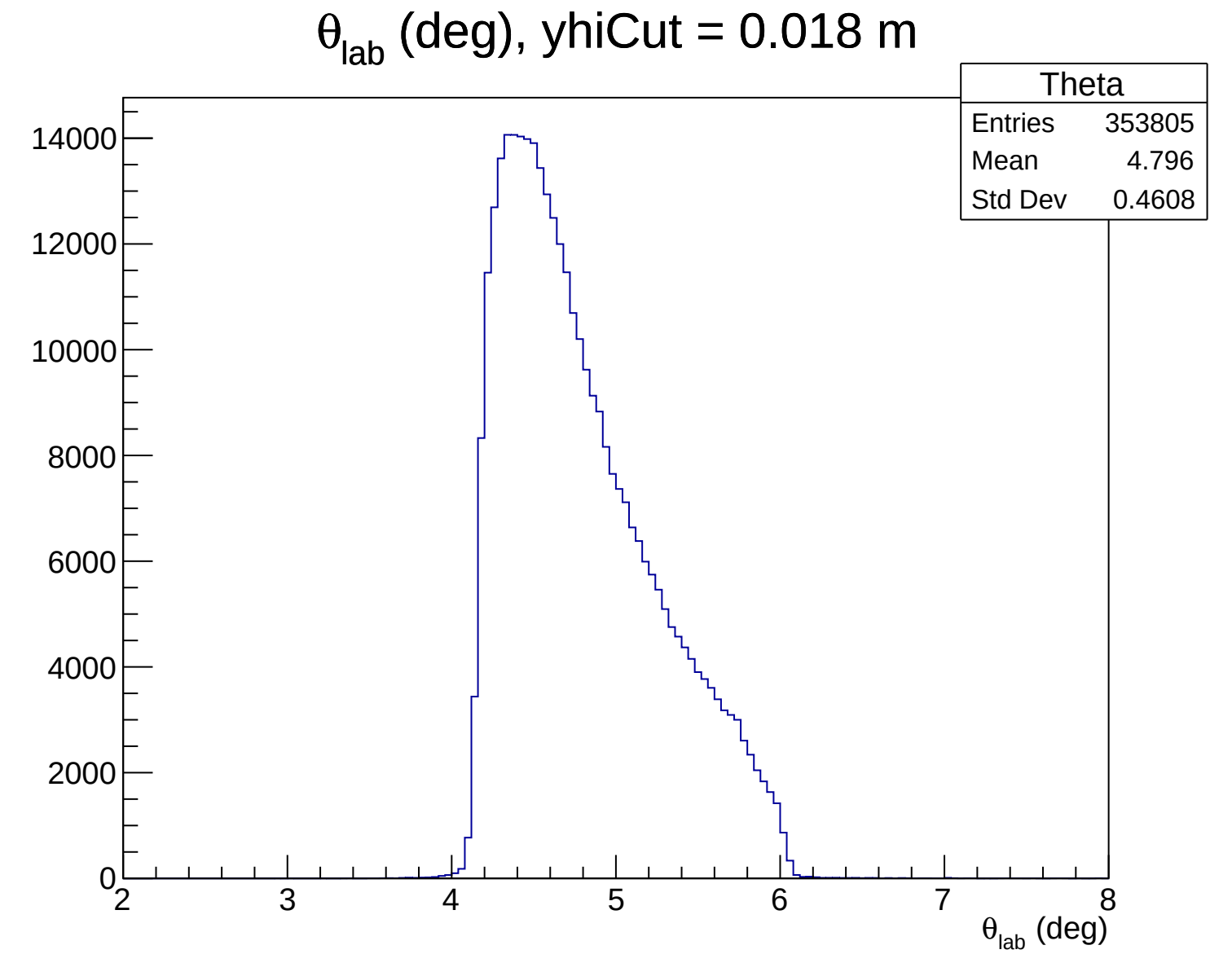

Sensitivity, yhiCut = 0.016 m
sens
Entries 346711
Mean 0.02234
Std Dev 0.003966
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

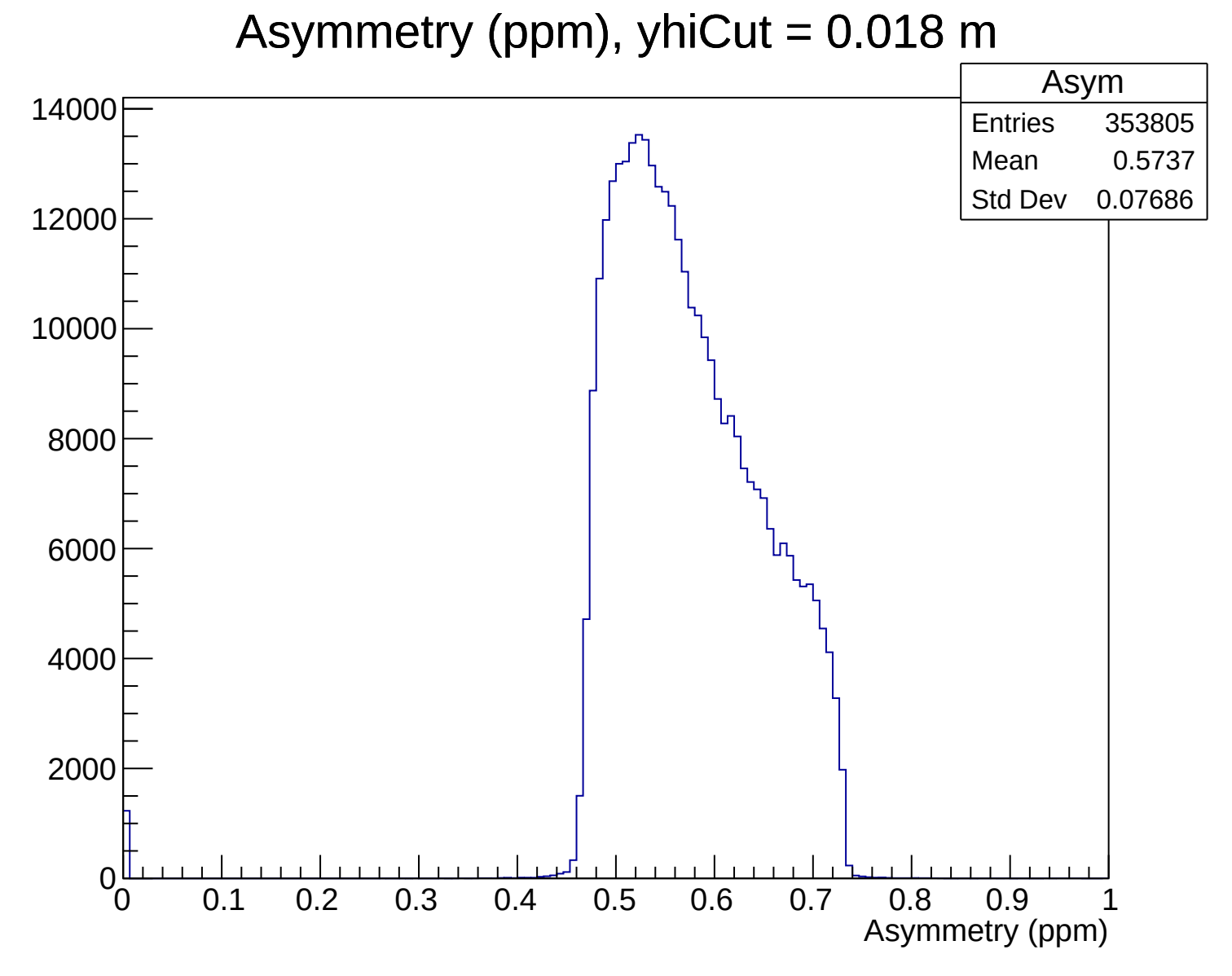

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

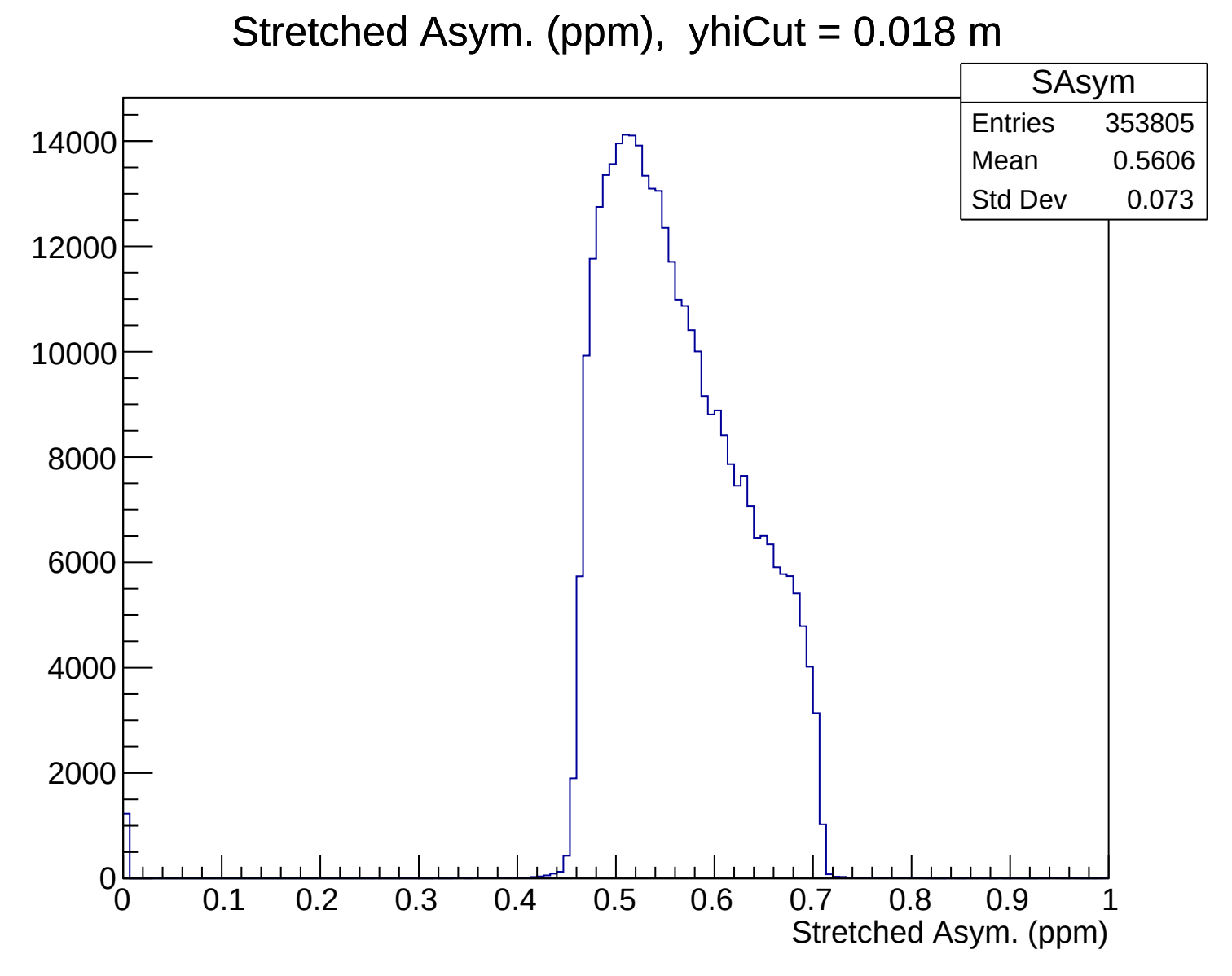

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.018
R.tr.y[0]+1.3*R.tr.ph[0] (m)

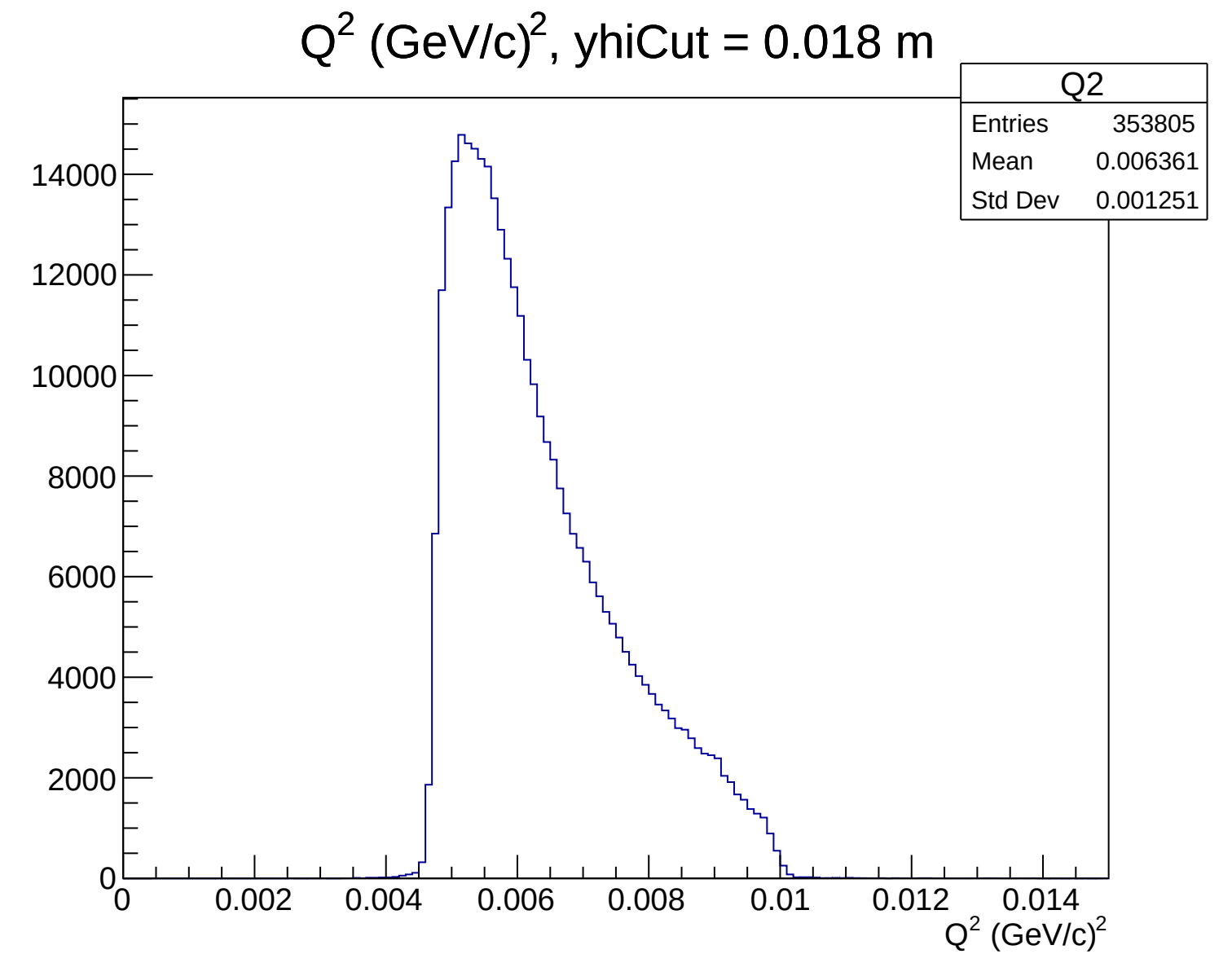

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

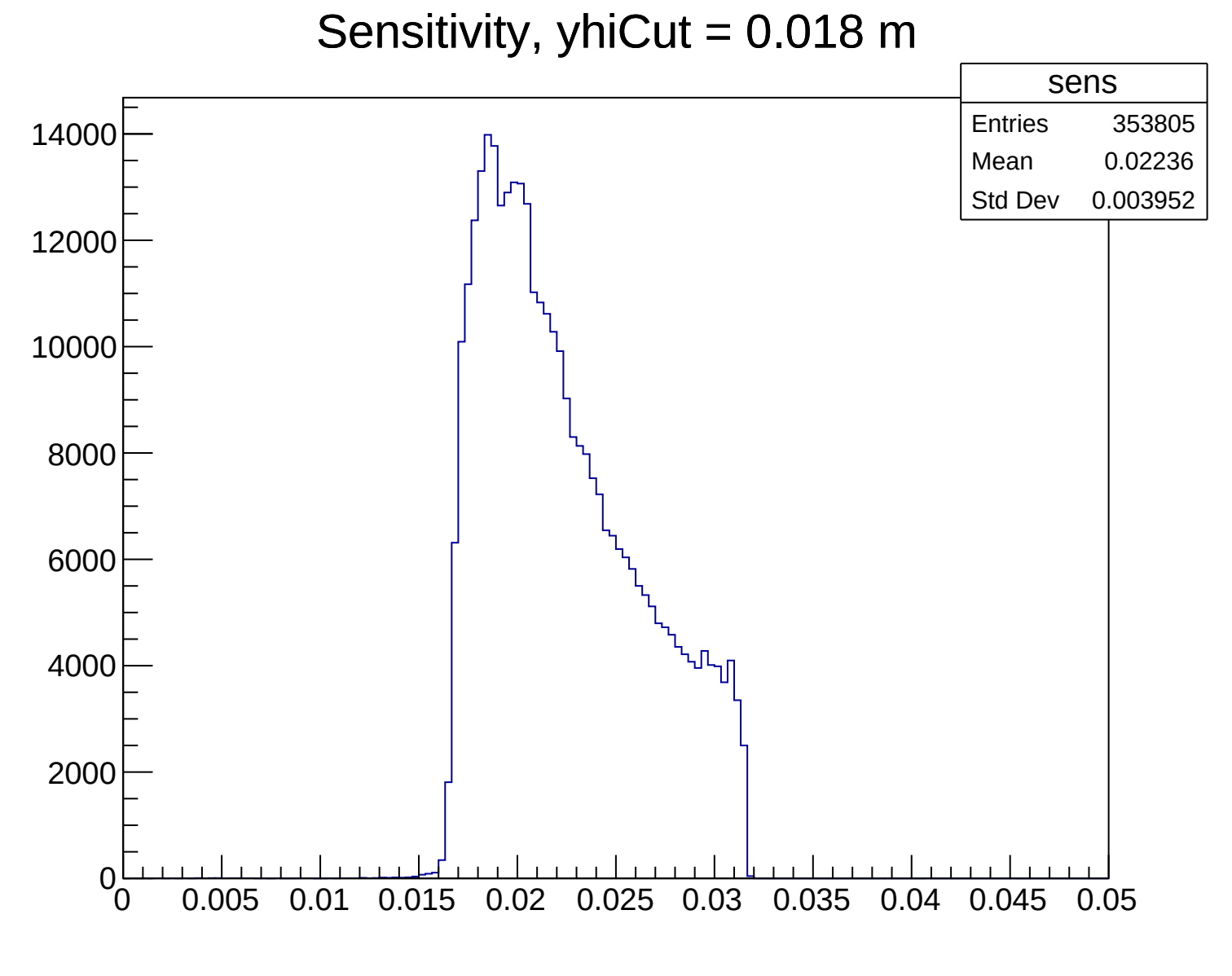

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

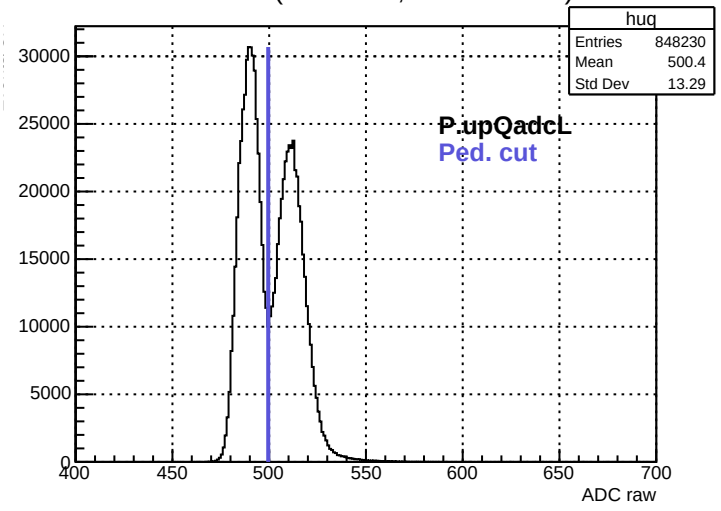

θlab (deg), yhiCut = 0.018 m
Theta
Entries 353805
Mean 4.796
Std Dev 0.4608
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

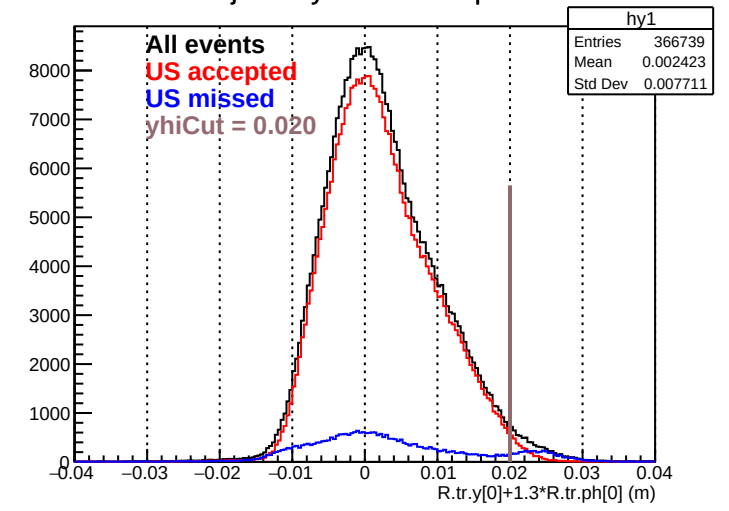

Asymmetry (ppm), yhiCut = 0.018 m
Asym
Entries 353805
Mean 0.5737
Std Dev 0.07686
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

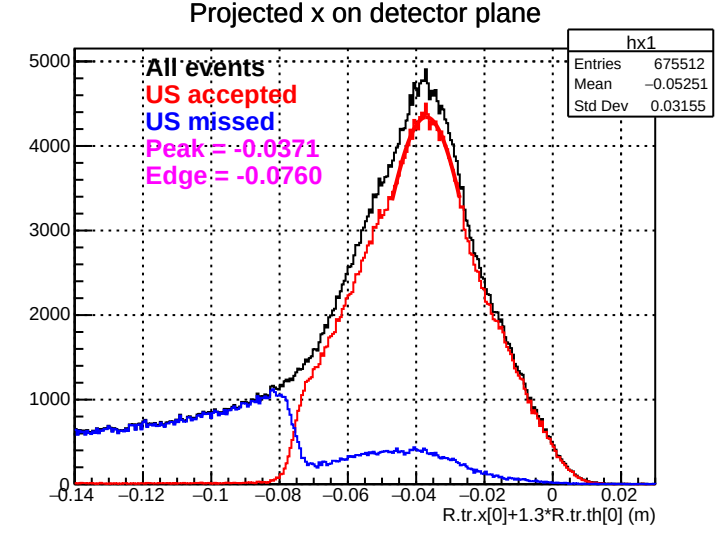

Stretched Asym. (ppm), yhiCut = 0.018 m
SAsym
Entries 353805
Mean 0.5606
Std Dev 0.073
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

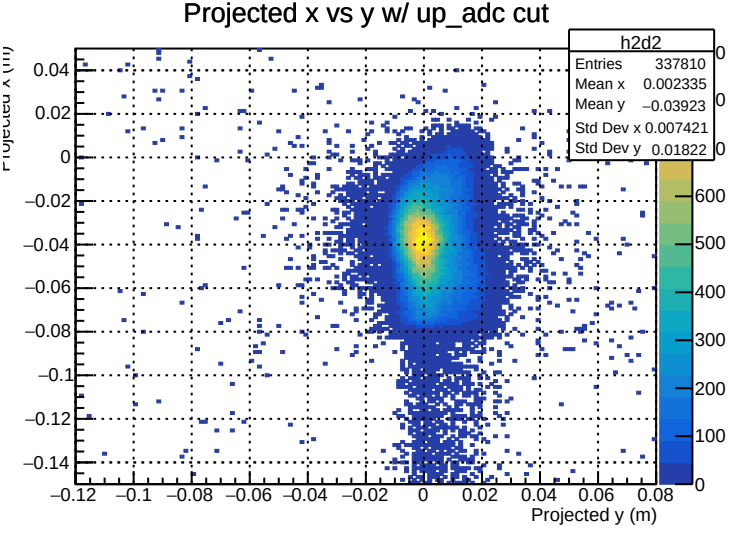

Q^2 (GeV/c)^2, yhiCut = 0.018 m
Q2
Entries 353805
Mean 0.006361
Std Dev 0.001251
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

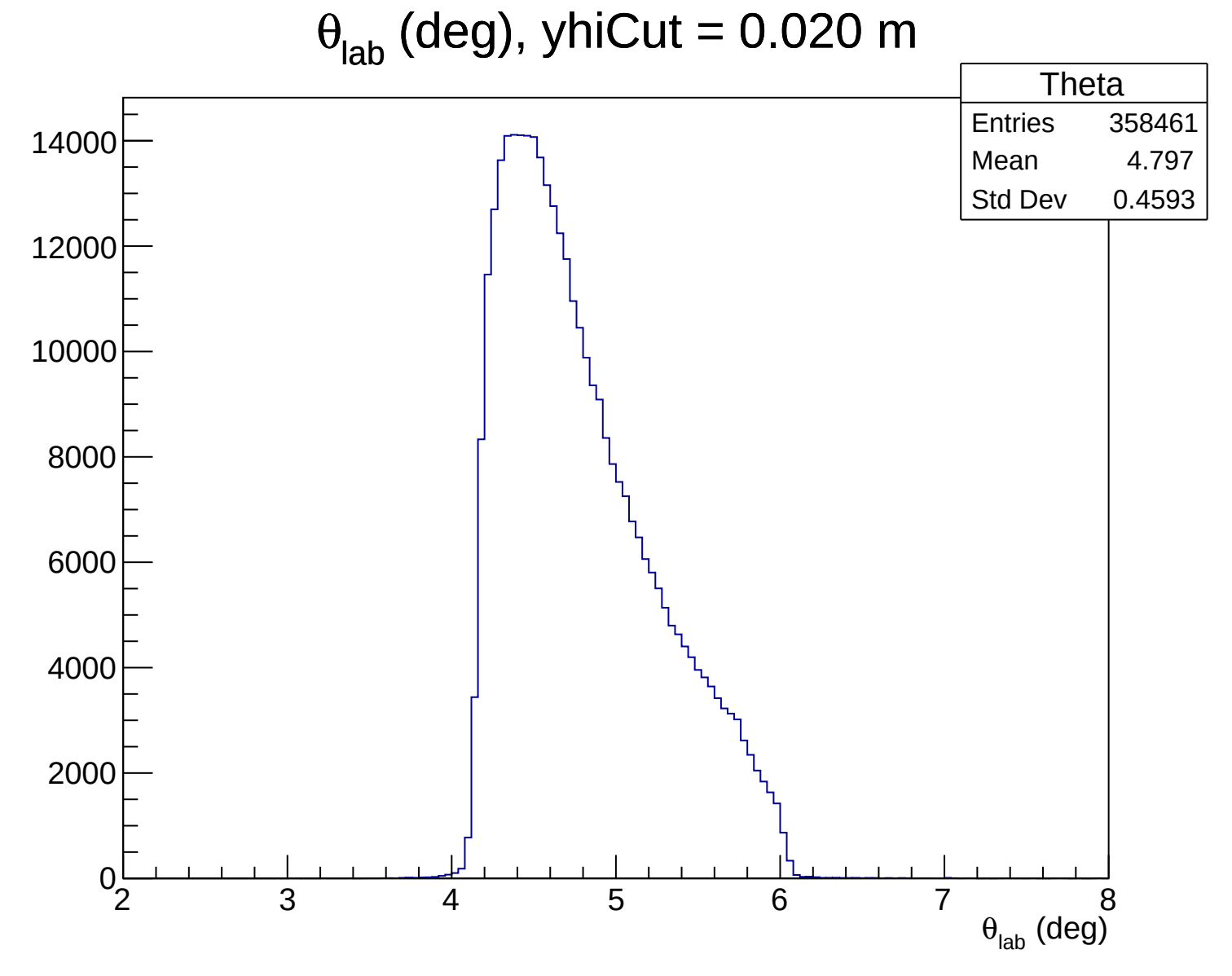

Sensitivity, yhiCut = 0.018 m
sens
Entries 353805
Mean 0.02236
Std Dev 0.003952
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

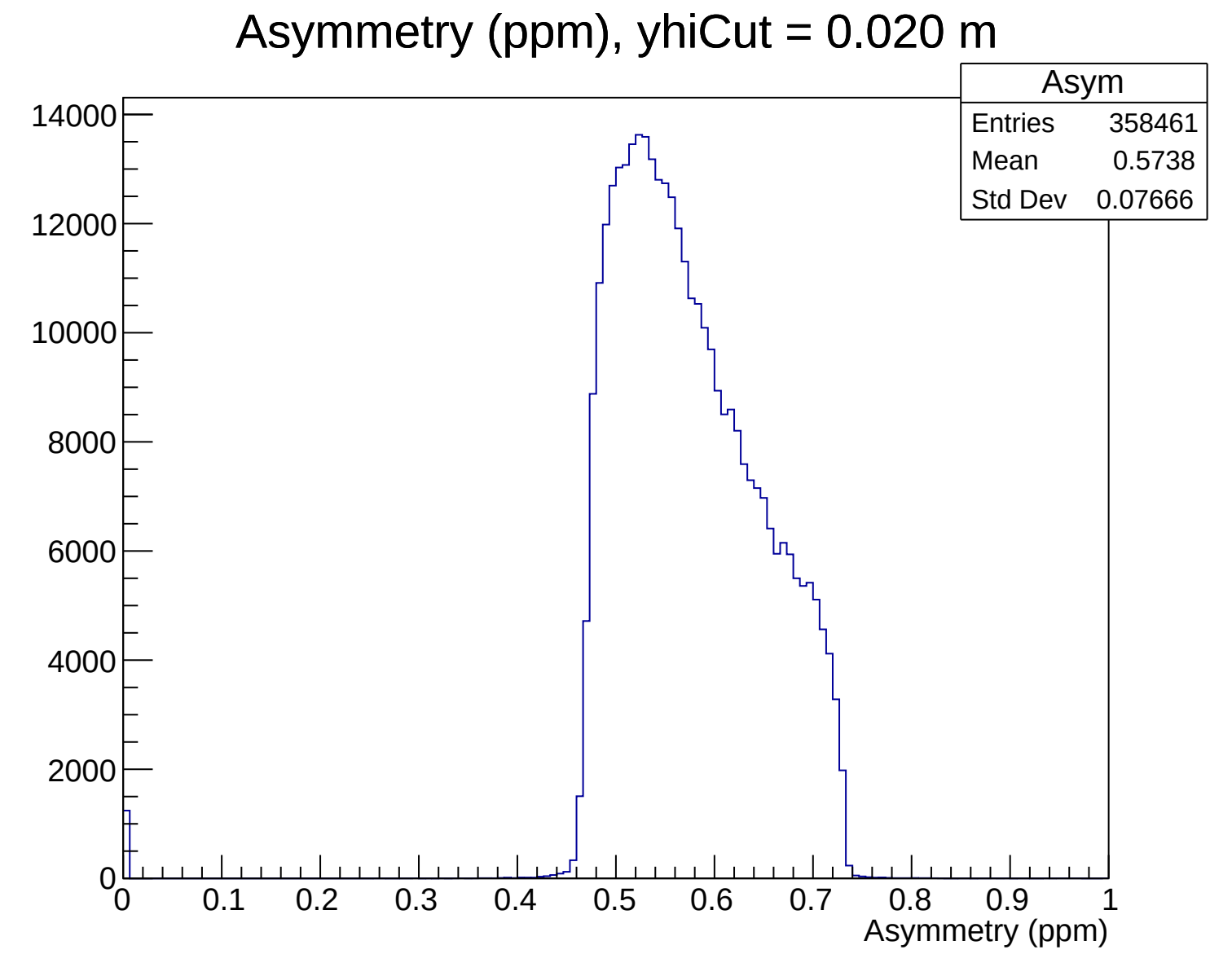

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

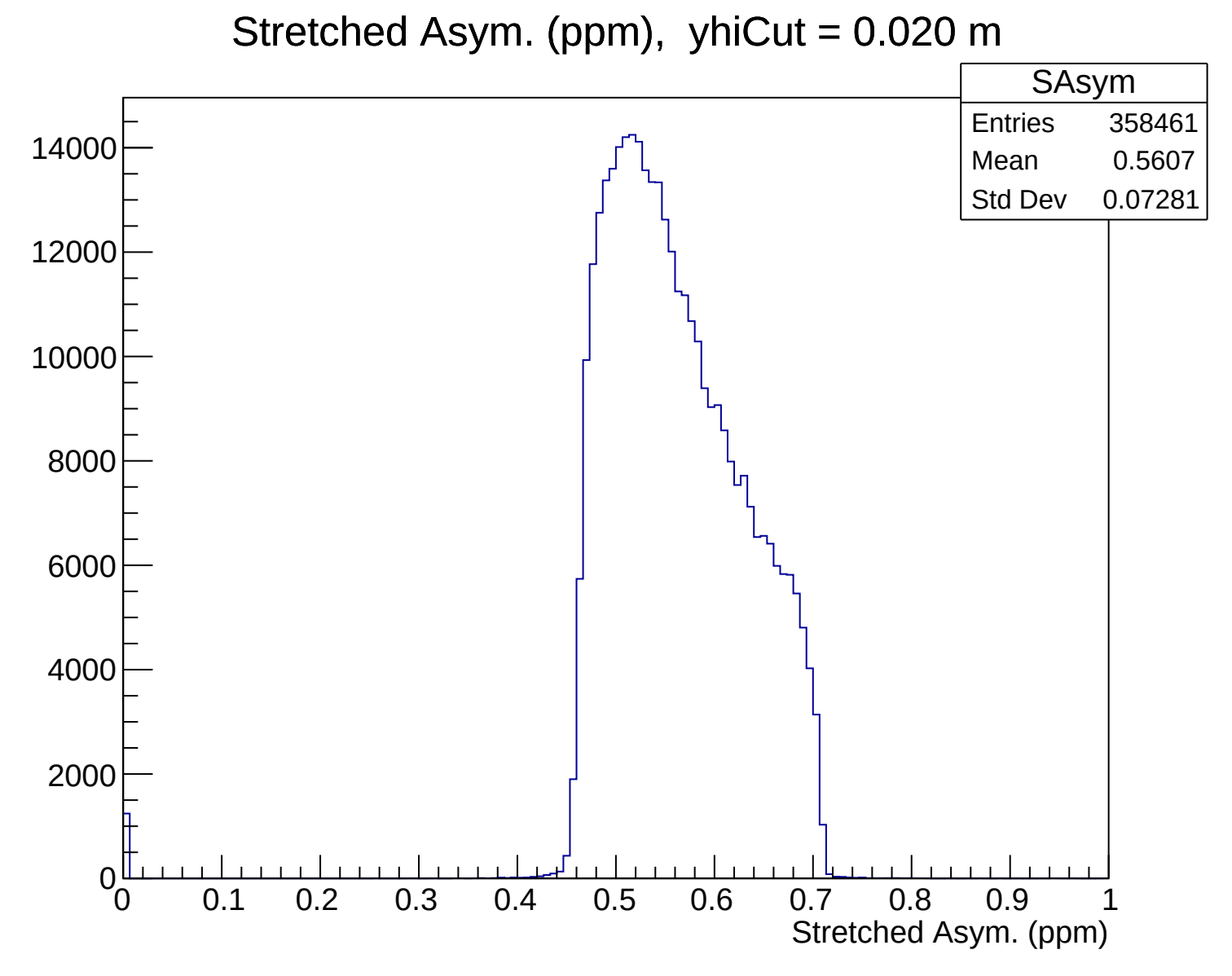

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.020
R.tr.y[0]+1.3*R.tr.ph[0] (m)

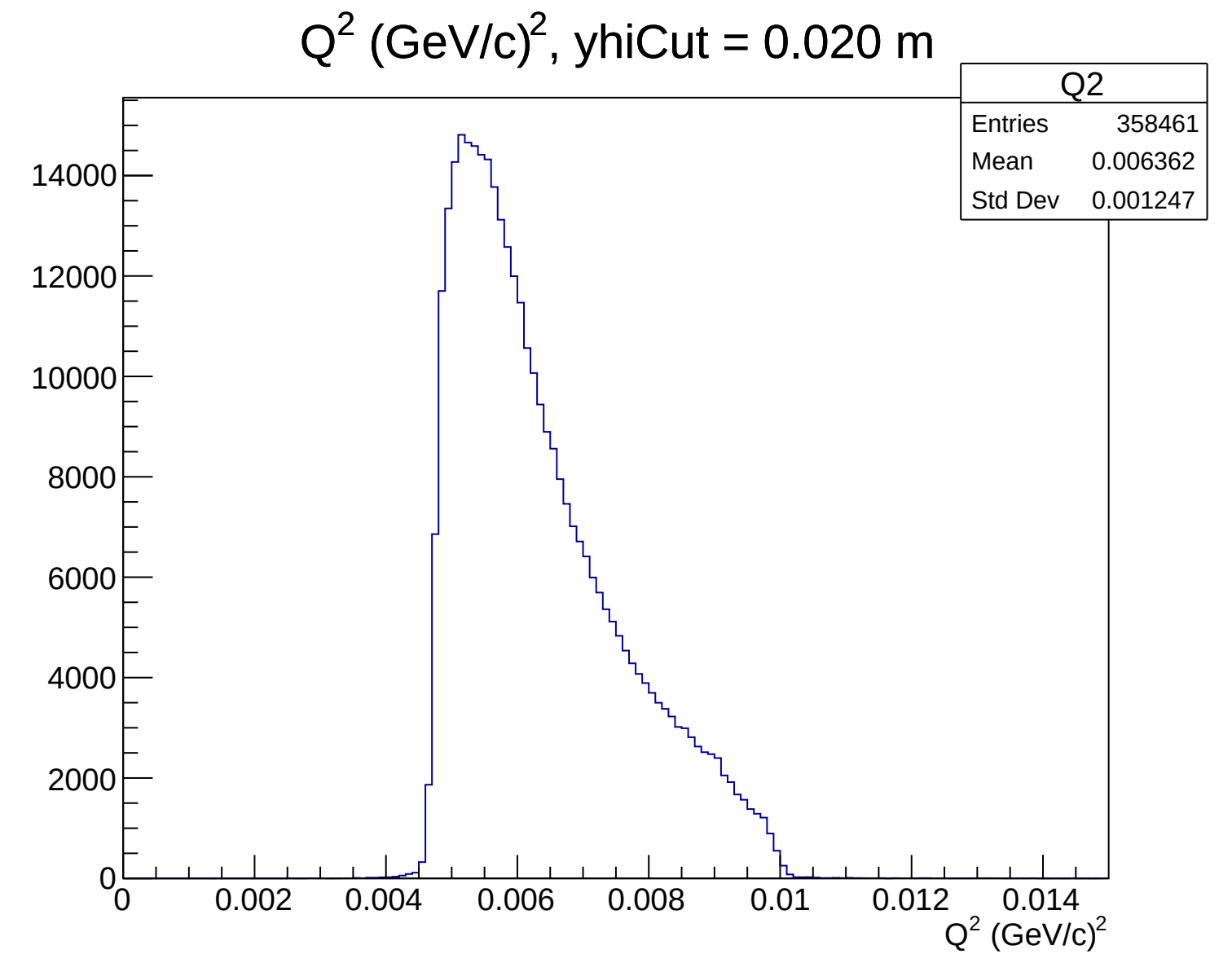

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

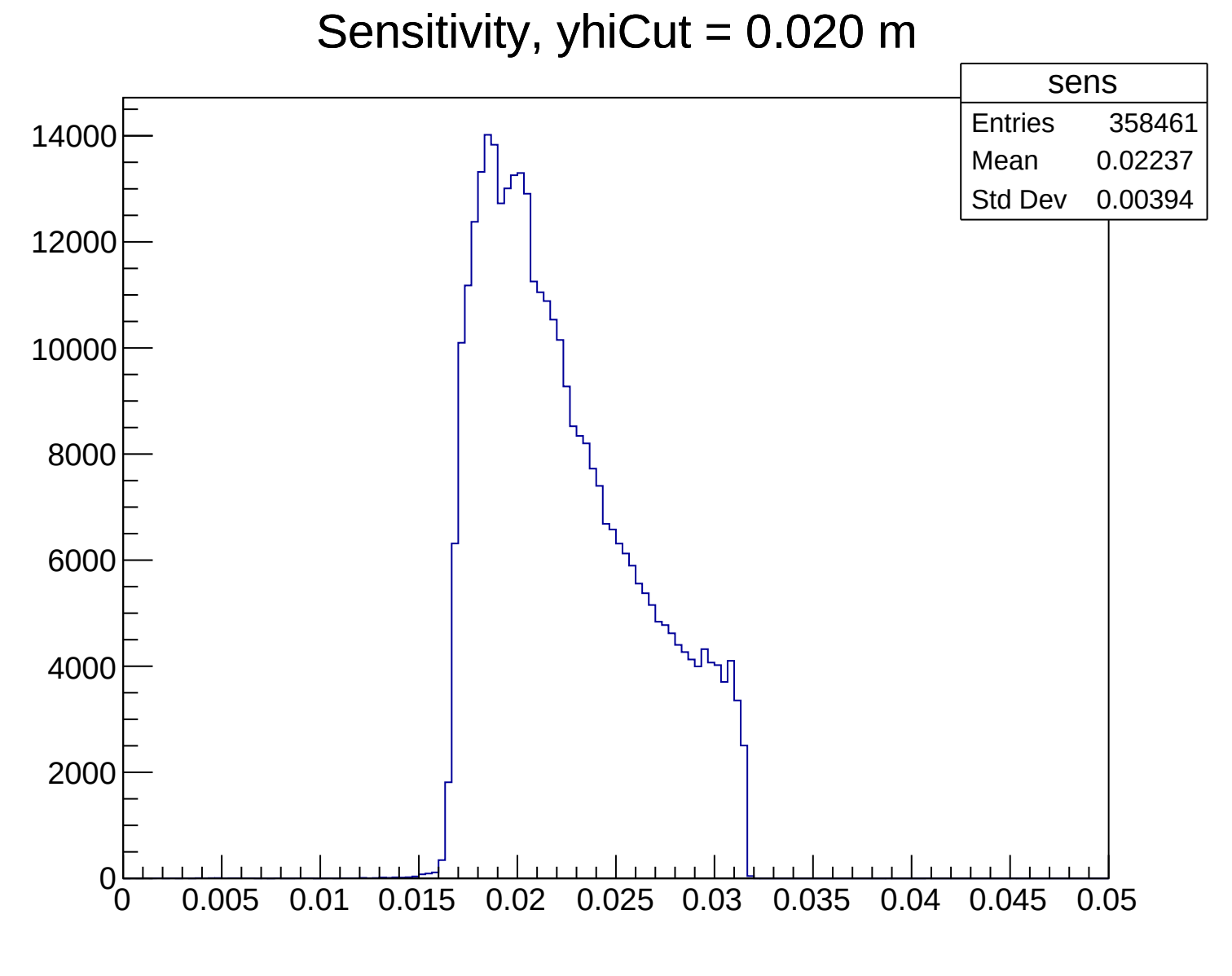

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

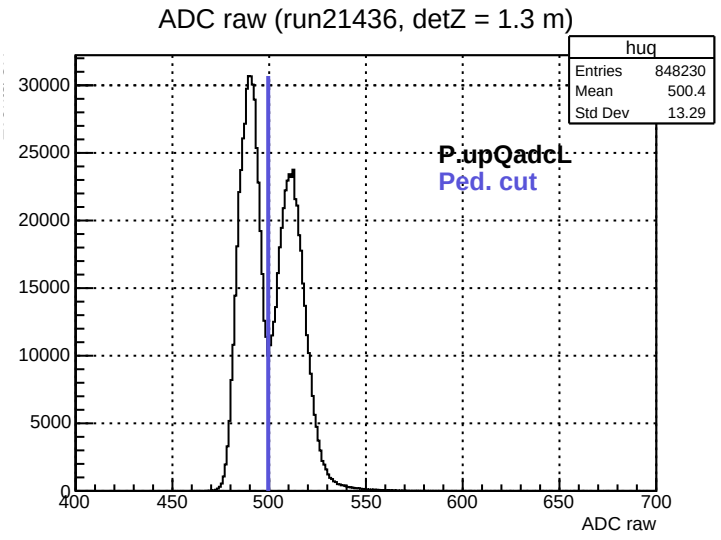

θlab (deg), yhiCut = 0.020 m
Theta
Entries 358461
Mean 4.797
Std Dev 0.4593
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

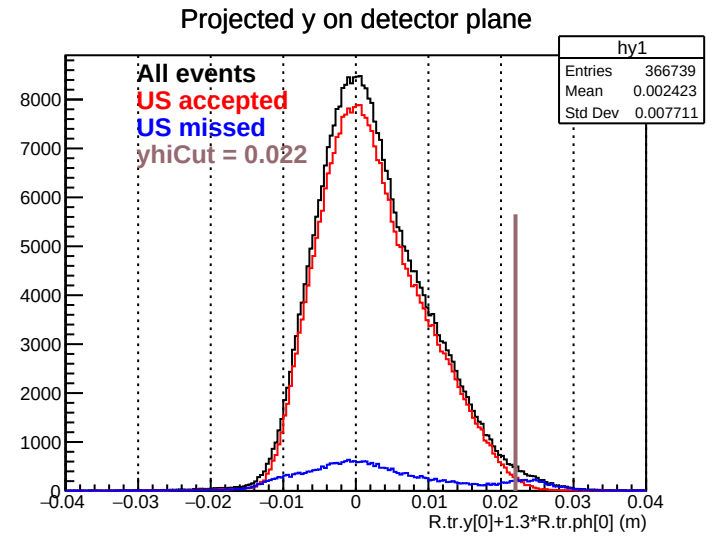

Asymmetry (ppm), yhiCut = 0.020 m
Asym
Entries 358461
Mean 0.5738
Std Dev 0.07666
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

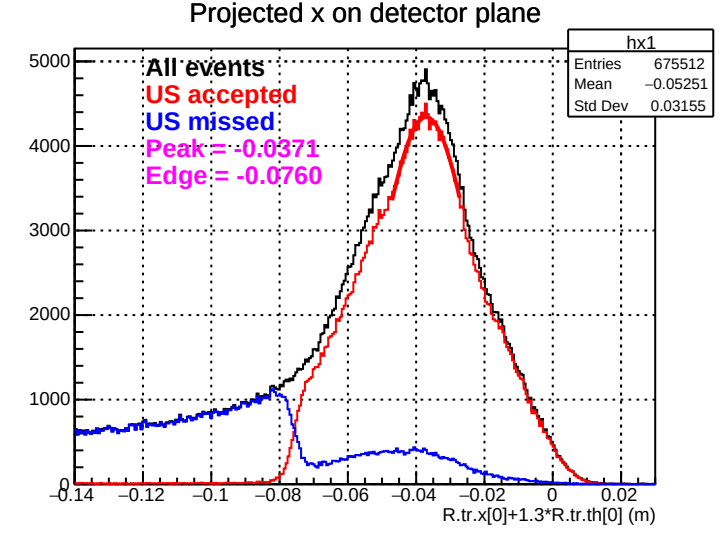

Stretched Asym. (ppm), yhiCut = 0.020 m
SAsym
Entries 358461
Mean 0.5607
Std Dev 0.07281
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

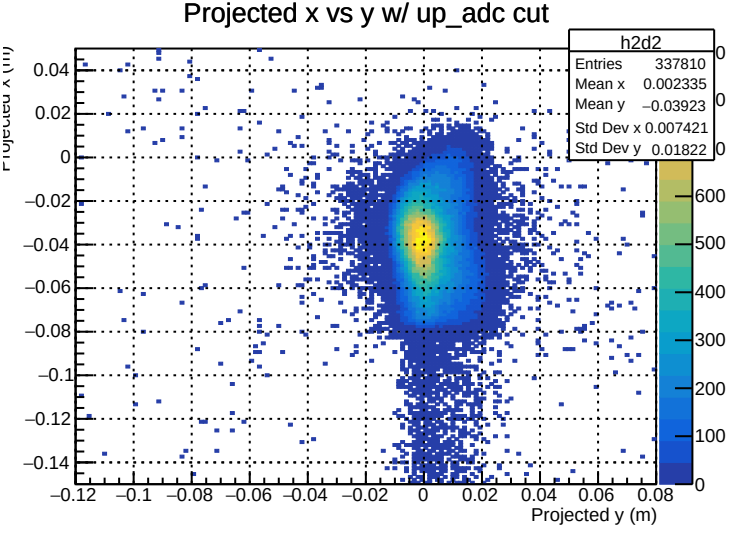

Q^2 (GeV/c)^2, yhiCut = 0.020 m
Q2
Entries 358461
Mean 0.006362
Std Dev 0.001247
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

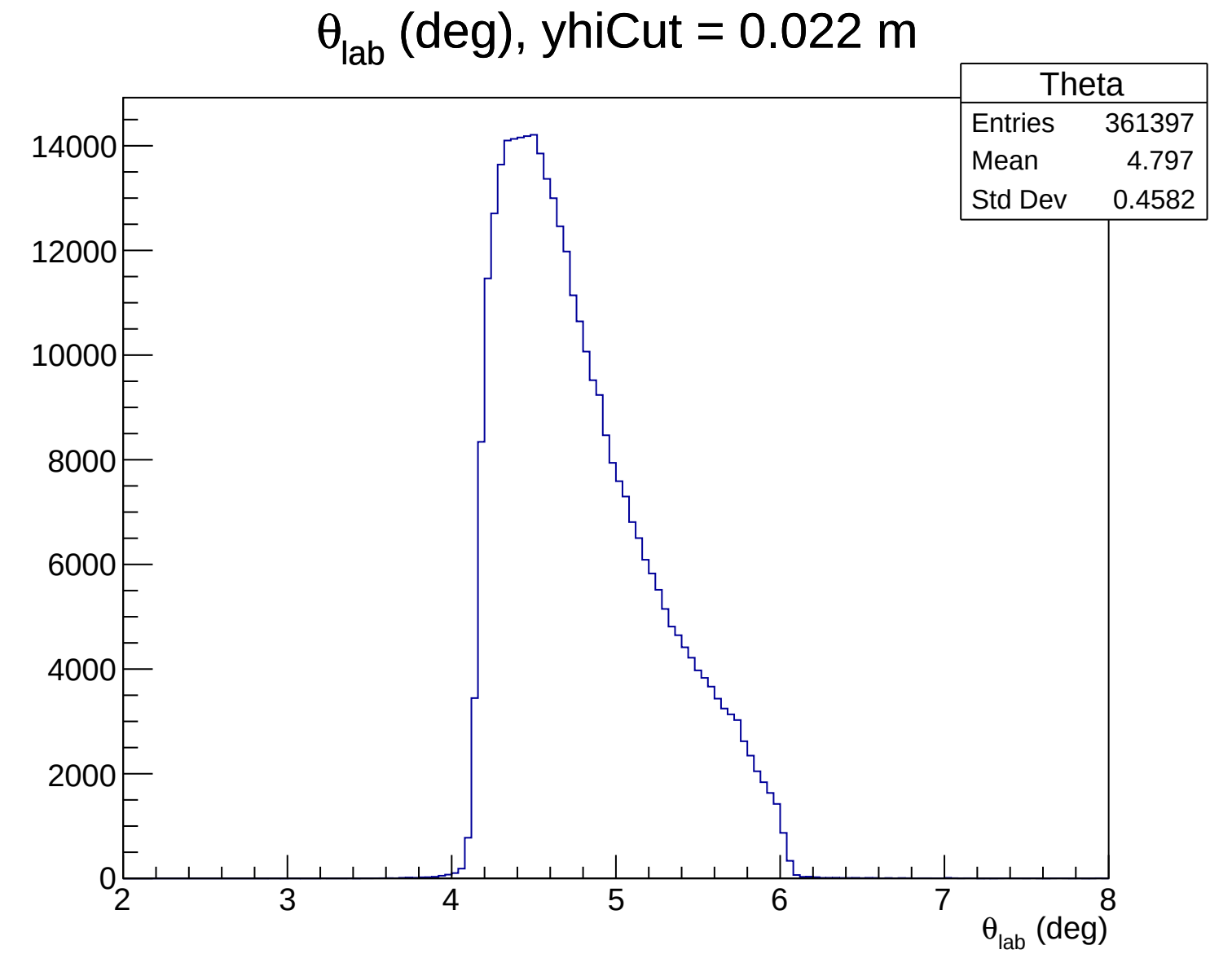

Sensitivity, yhiCut = 0.020 m
sens
Entries 358461
Mean 0.02237
Std Dev 0.00394
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

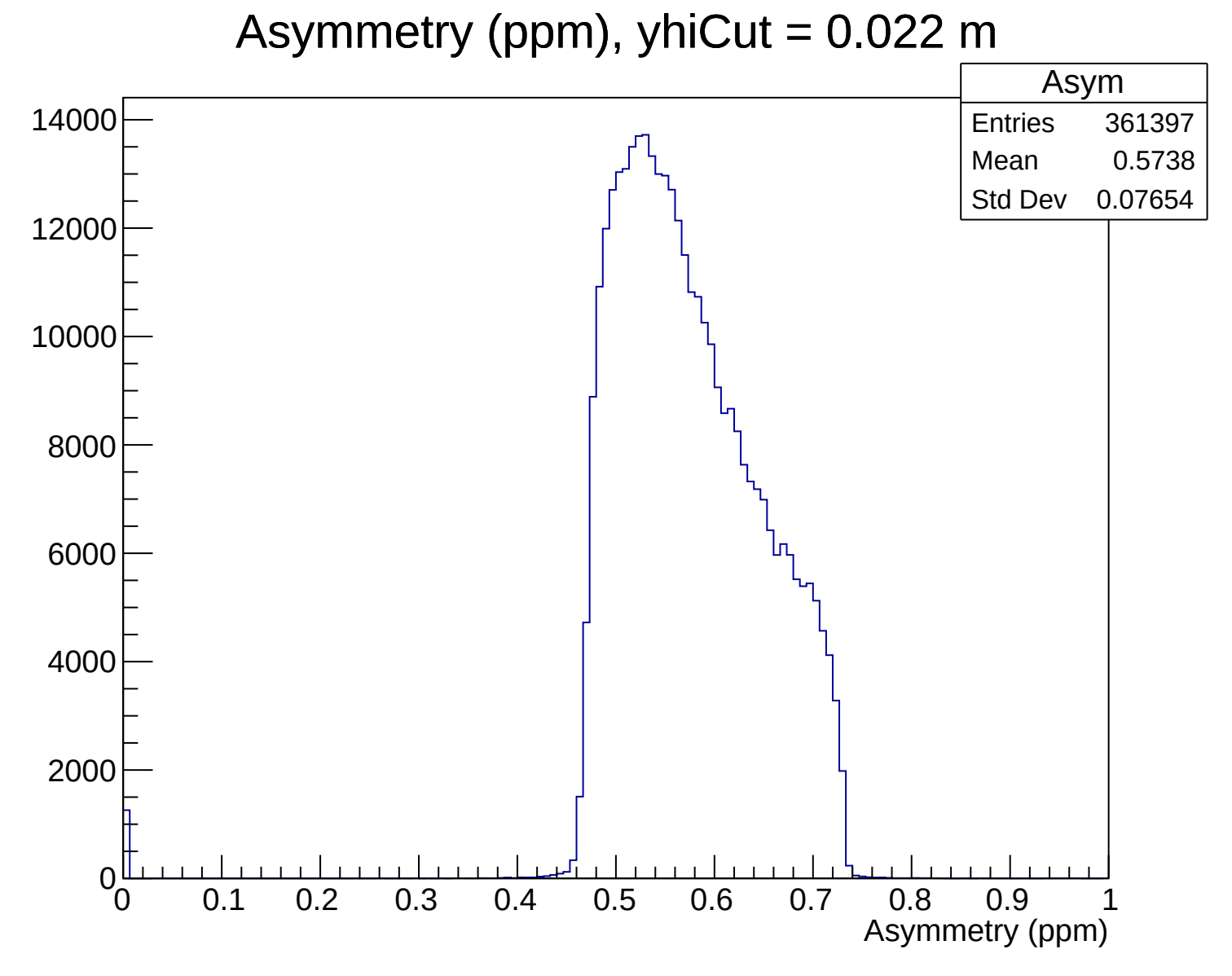

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

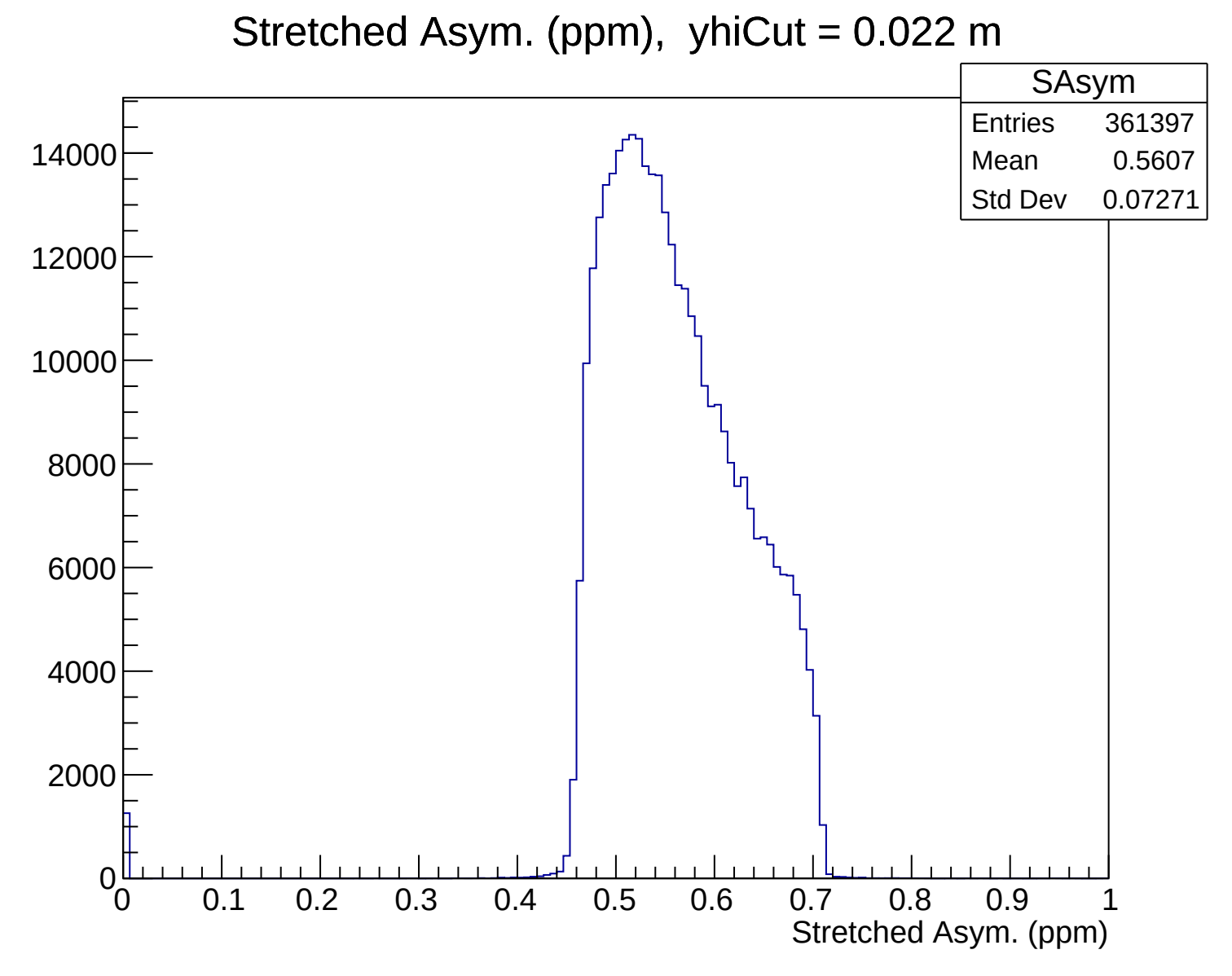

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.022
R.tr.y[0]+1.3*R.tr.ph[0] (m)

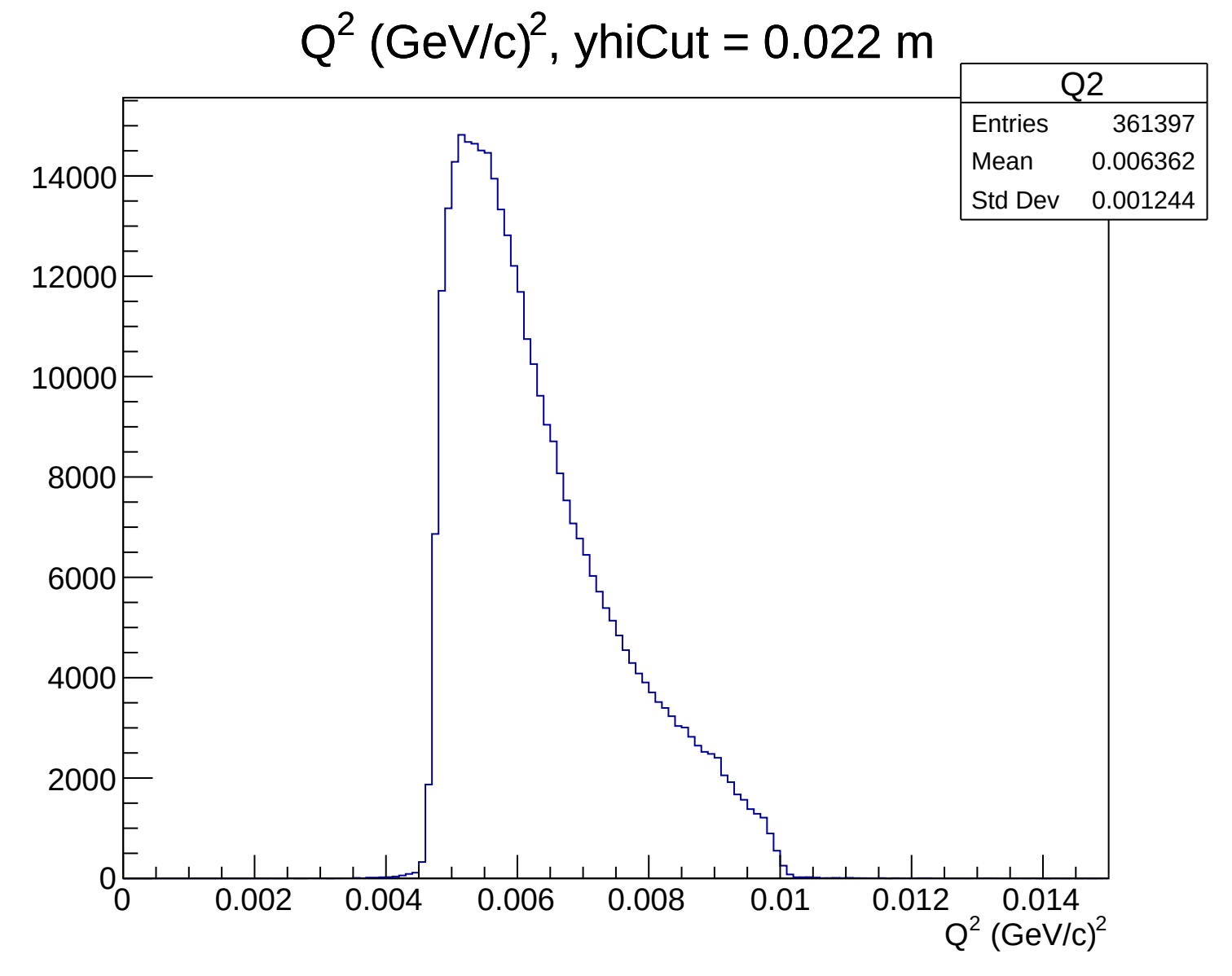

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

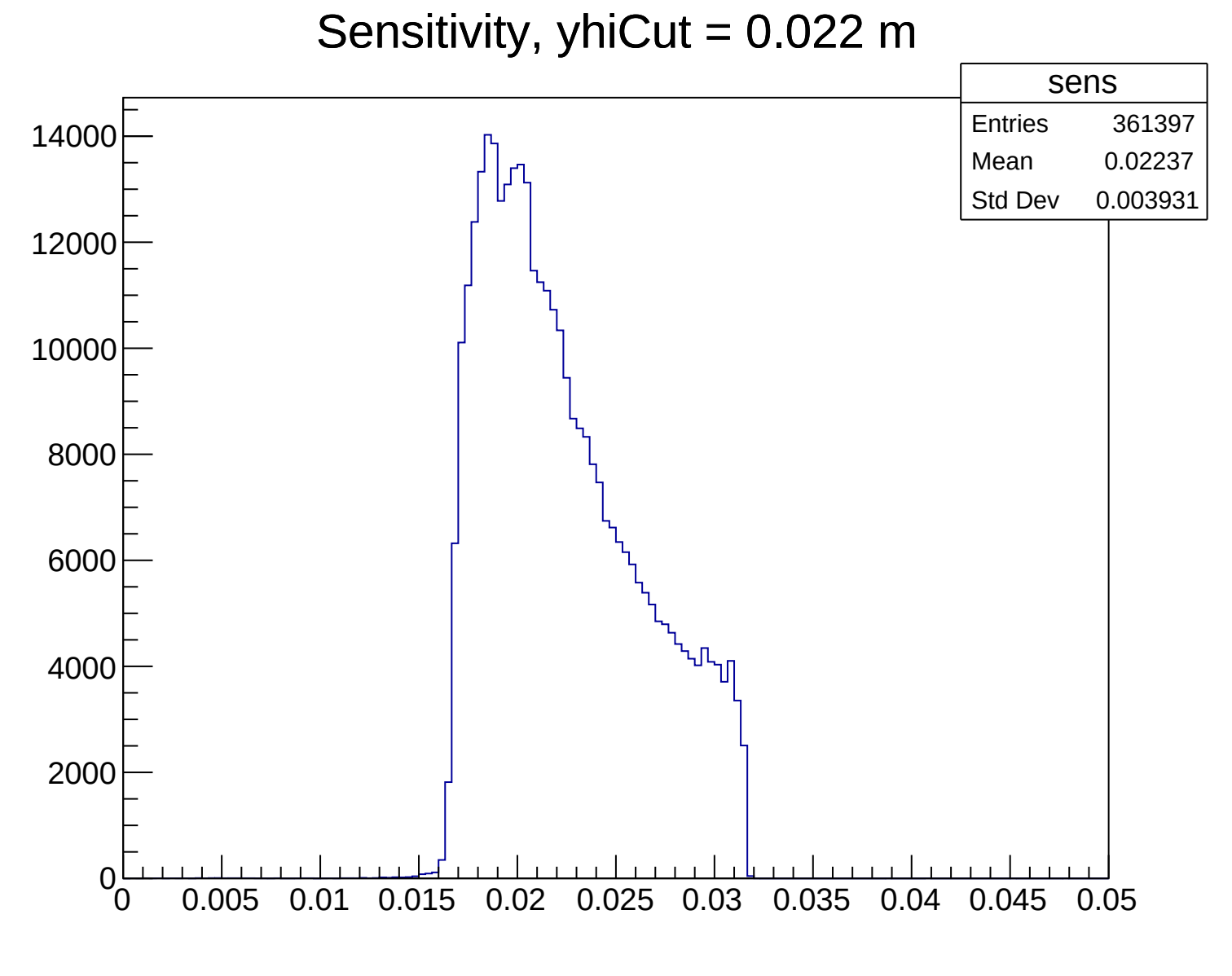

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

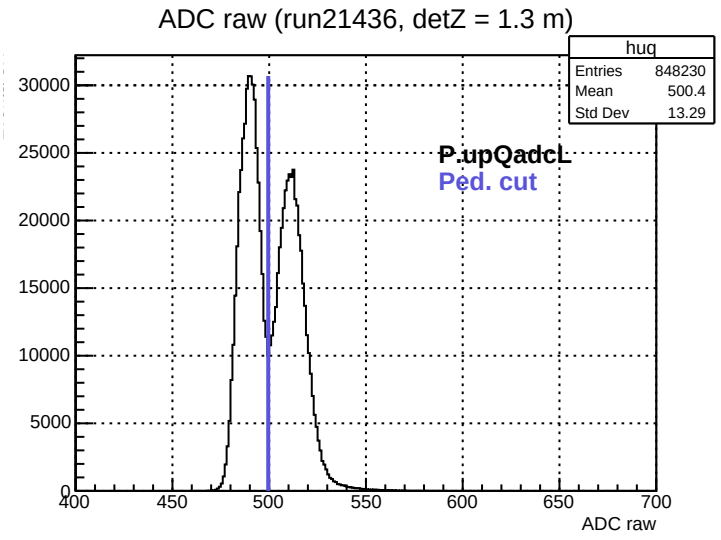

θlab (deg), yhiCut = 0.022 m
Theta
Entries 361397
Mean 4.797
Std Dev 0.4582
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

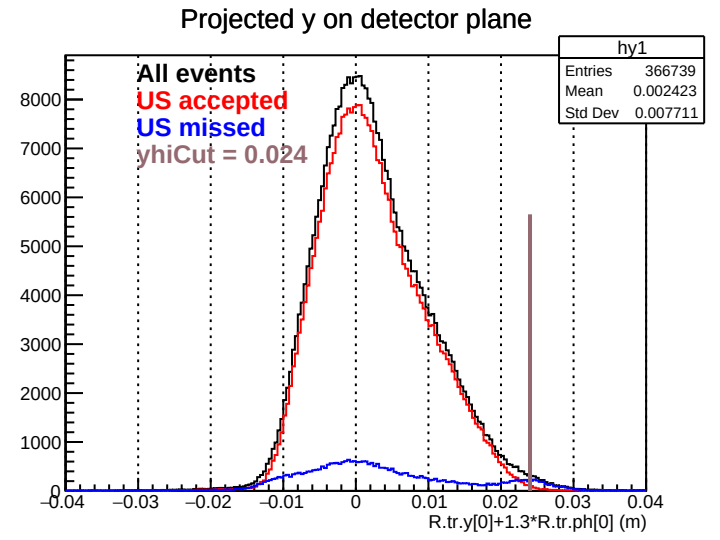

Asymmetry (ppm), yhiCut = 0.022 m
Asym
Entries 361397
Mean 0.5738
Std Dev 0.07654
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

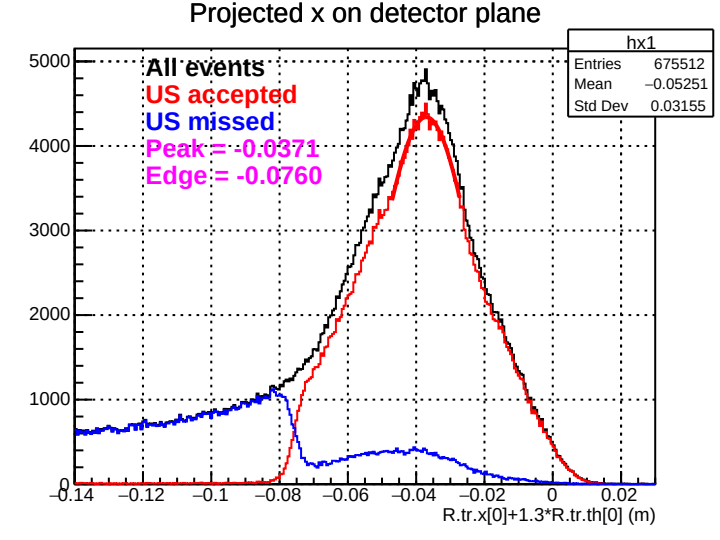

Stretched Asym. (ppm), yhiCut = 0.022 m
SAsym
Entries 361397
Mean 0.5607
Std Dev 0.07271
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

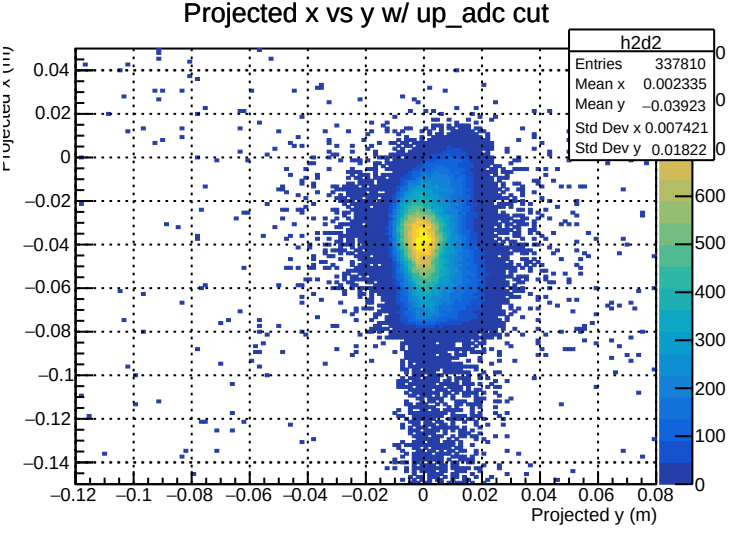

Q^2 (GeV/c)^2, yhiCut = 0.022 m
Q2
Entries 361397
Mean 0.006362
Std Dev 0.001244
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

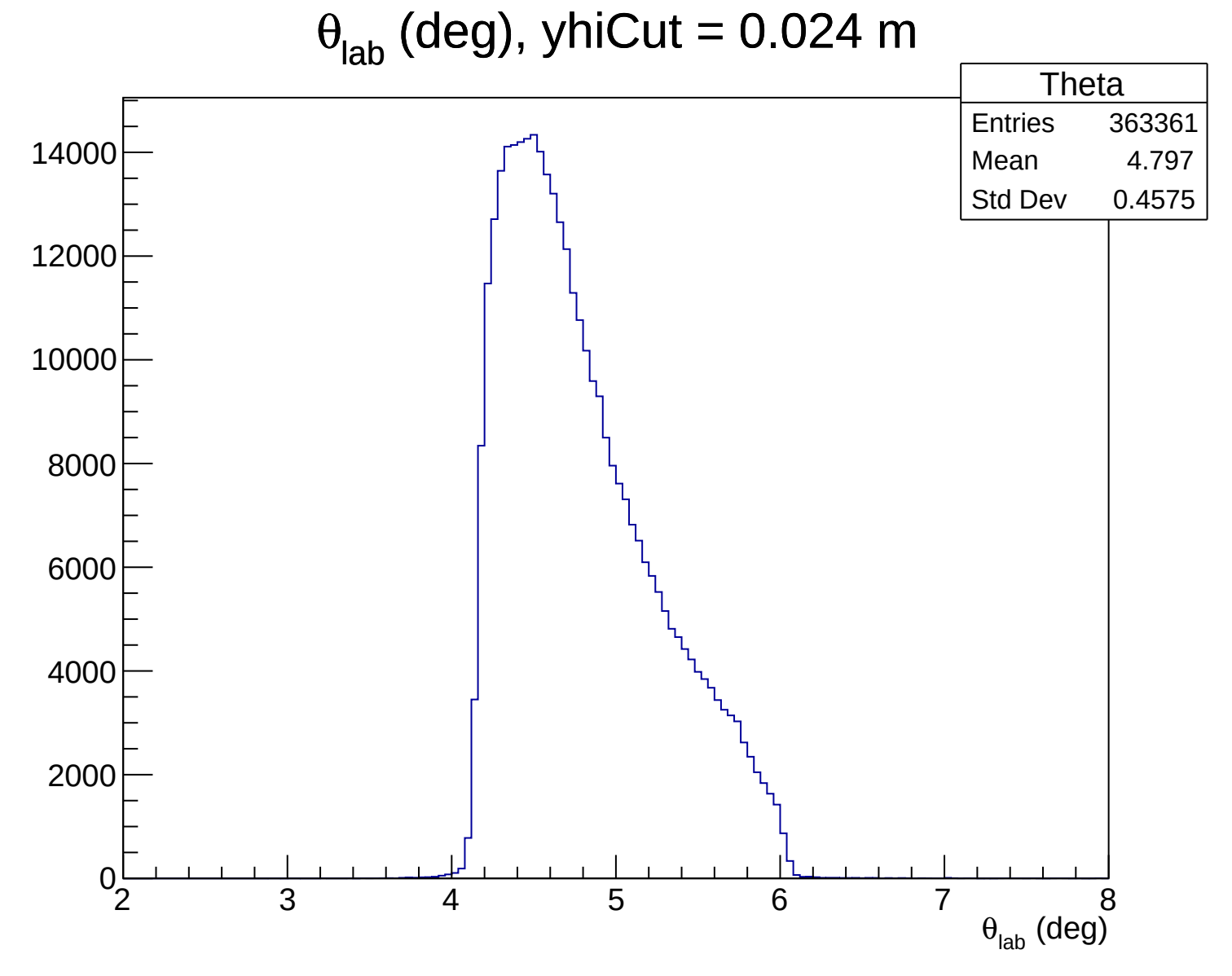

Sensitivity, yhiCut = 0.022 m
sens
Entries 361397
Mean 0.02237
Std Dev 0.003931
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

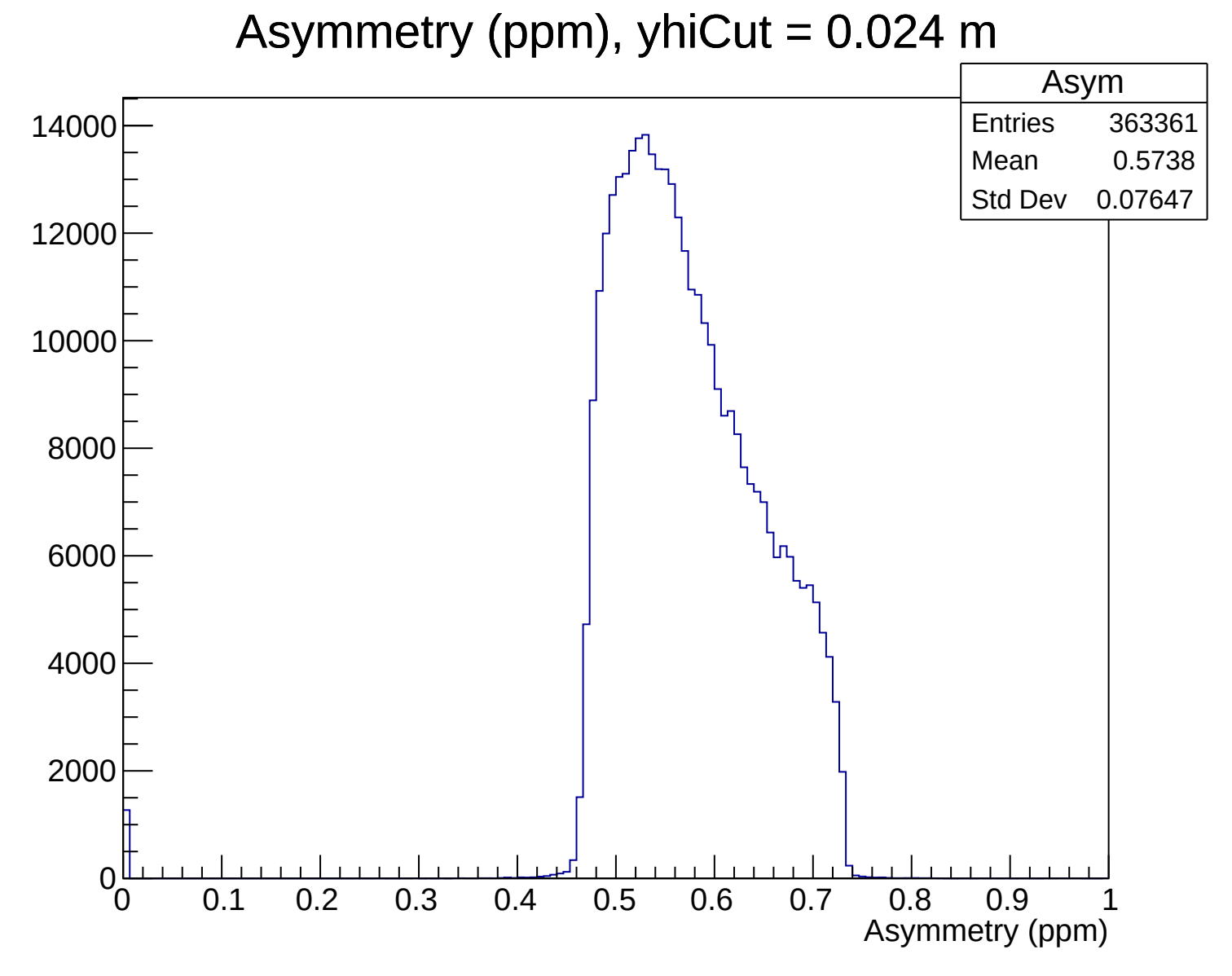

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

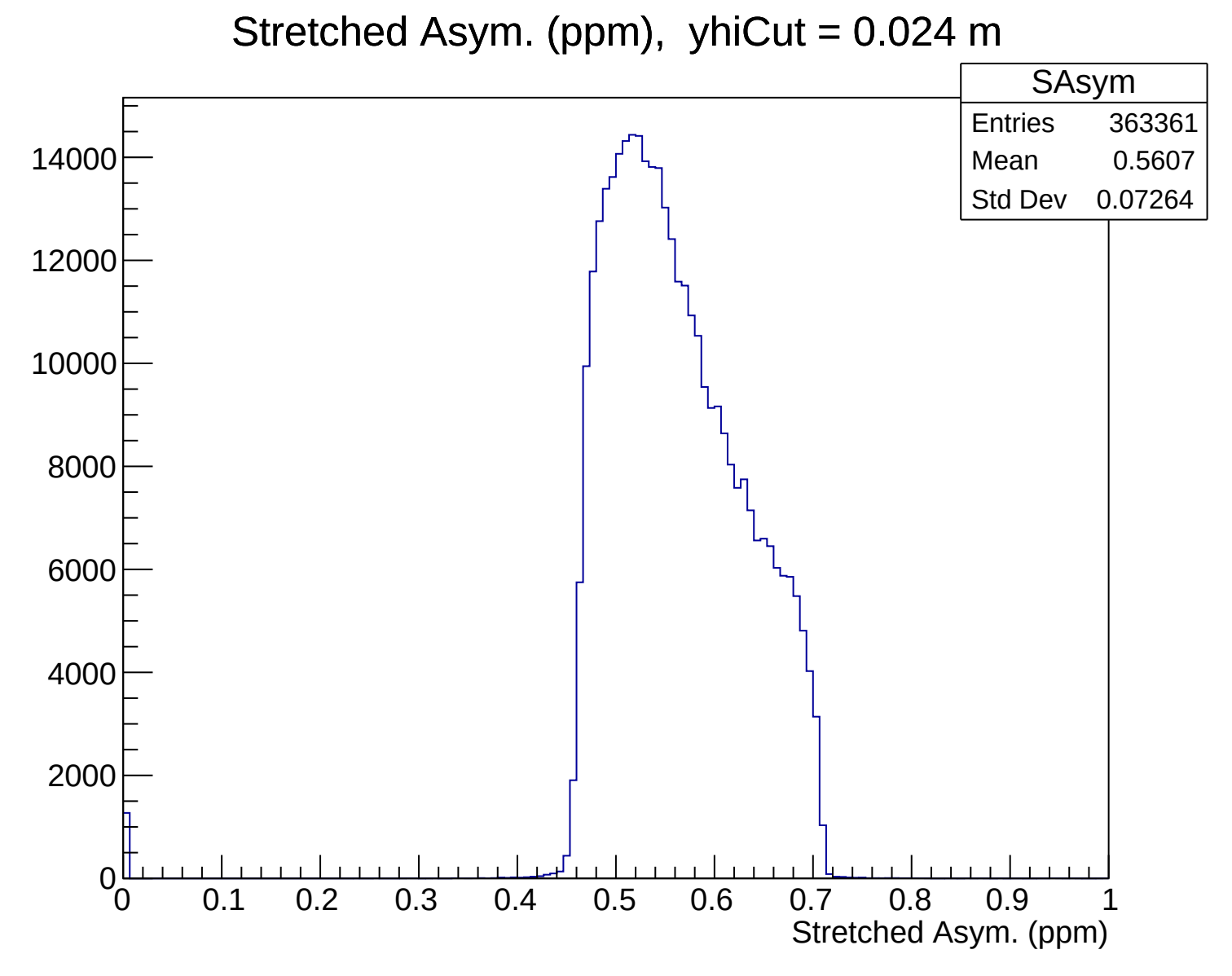

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.024
R.tr.y[0]+1.3*R.tr.ph[0] (m)

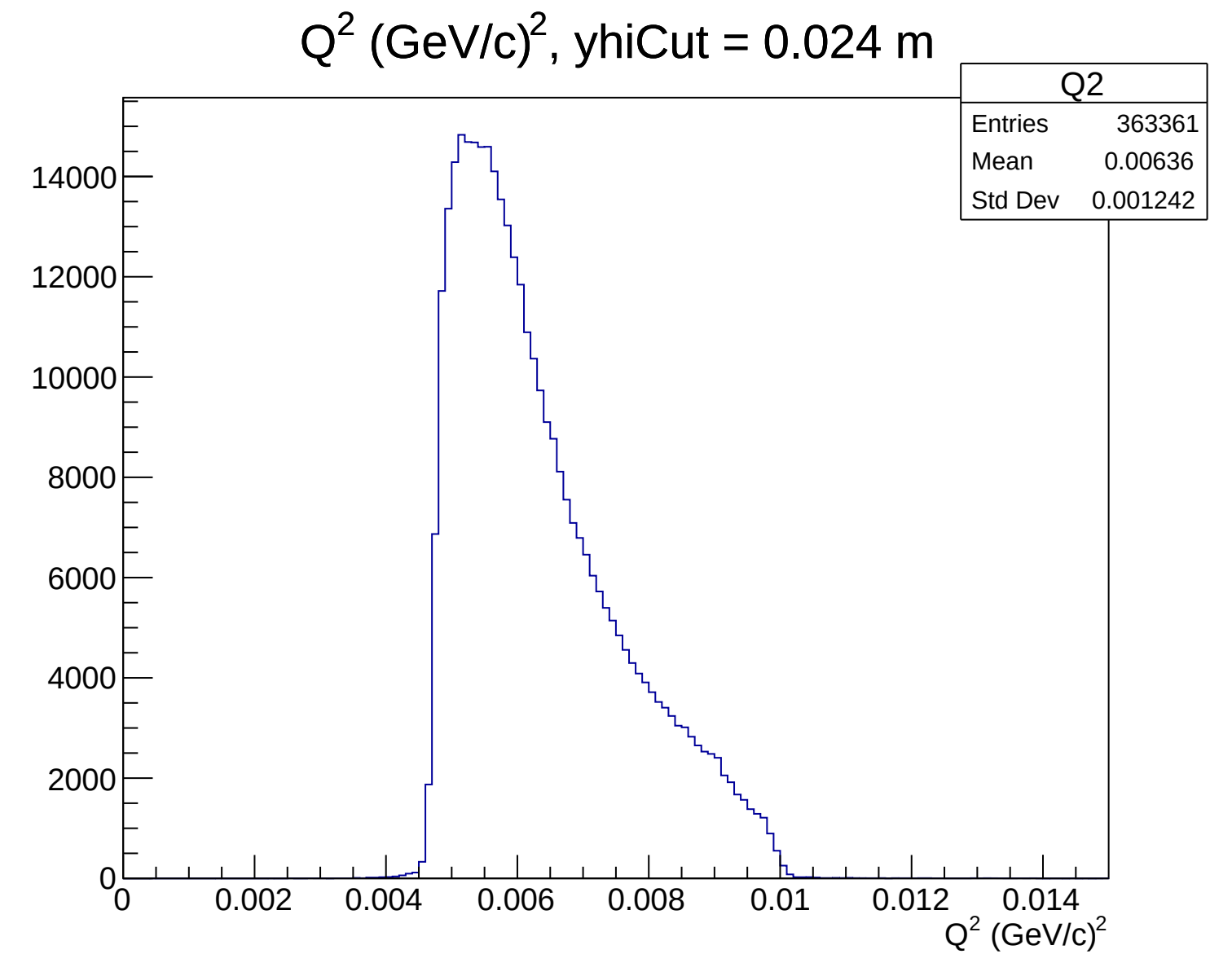

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

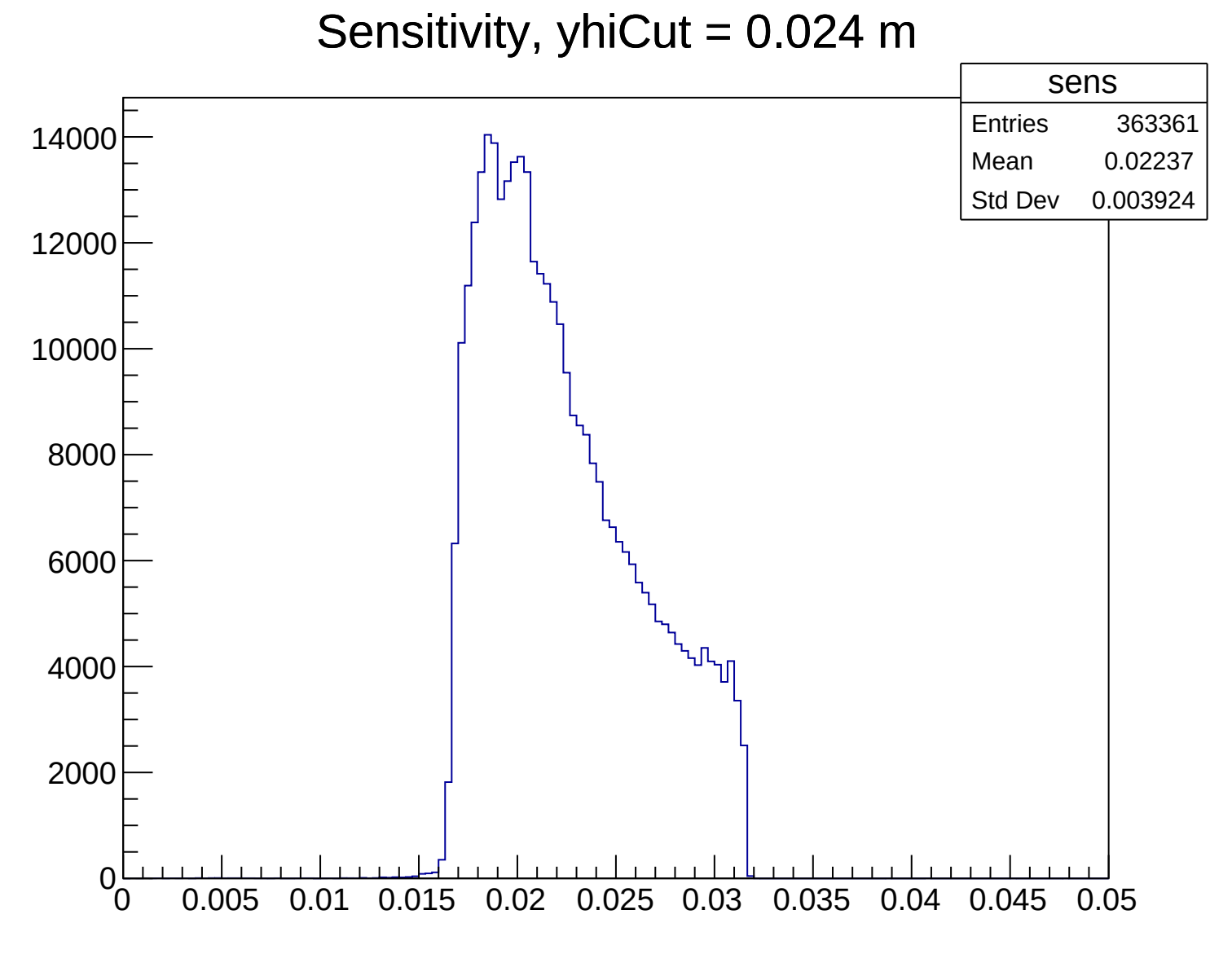

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

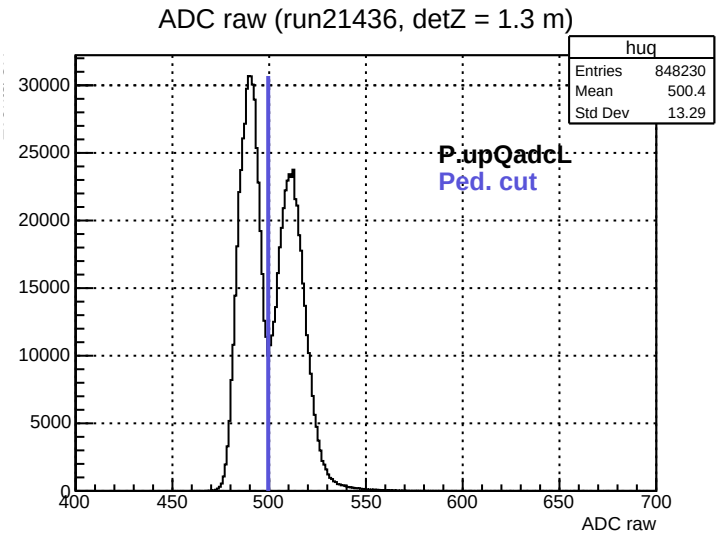

θlab (deg), yhiCut = 0.024 m
Theta
Entries 363361
Mean 4.797
Std Dev 0.4575
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

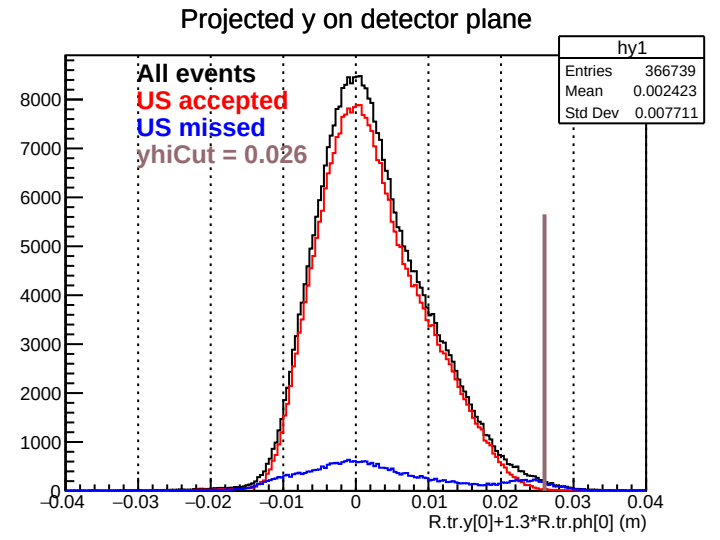

Asymmetry (ppm), yhiCut = 0.024 m
Asym
Entries 363361
Mean 0.5738
Std Dev 0.07647
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

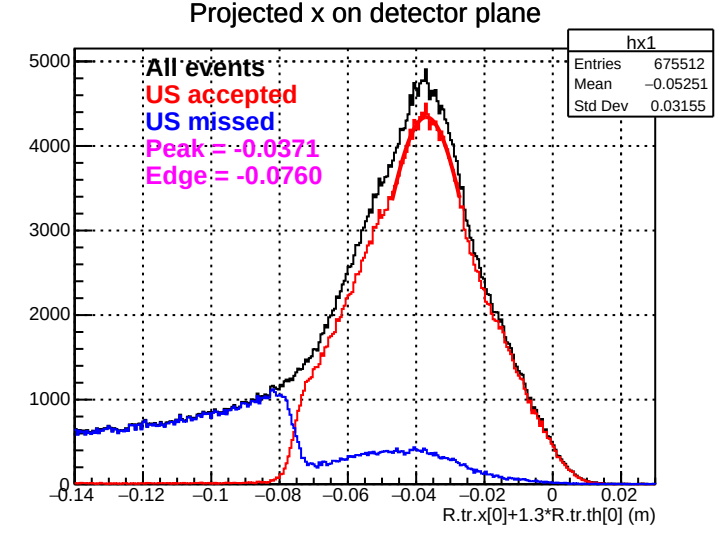

Stretched Asym. (ppm), yhiCut = 0.024 m
SAsym
Entries 363361
Mean 0.5607
Std Dev 0.07264
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

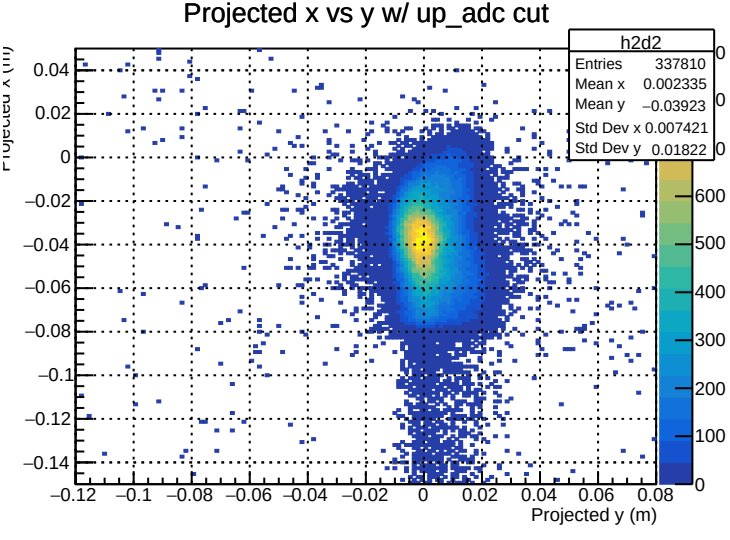

Q^2 (GeV/c)^2, yhiCut = 0.024 m
Q2
Entries 363361
Mean 0.00636
Std Dev 0.001242
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

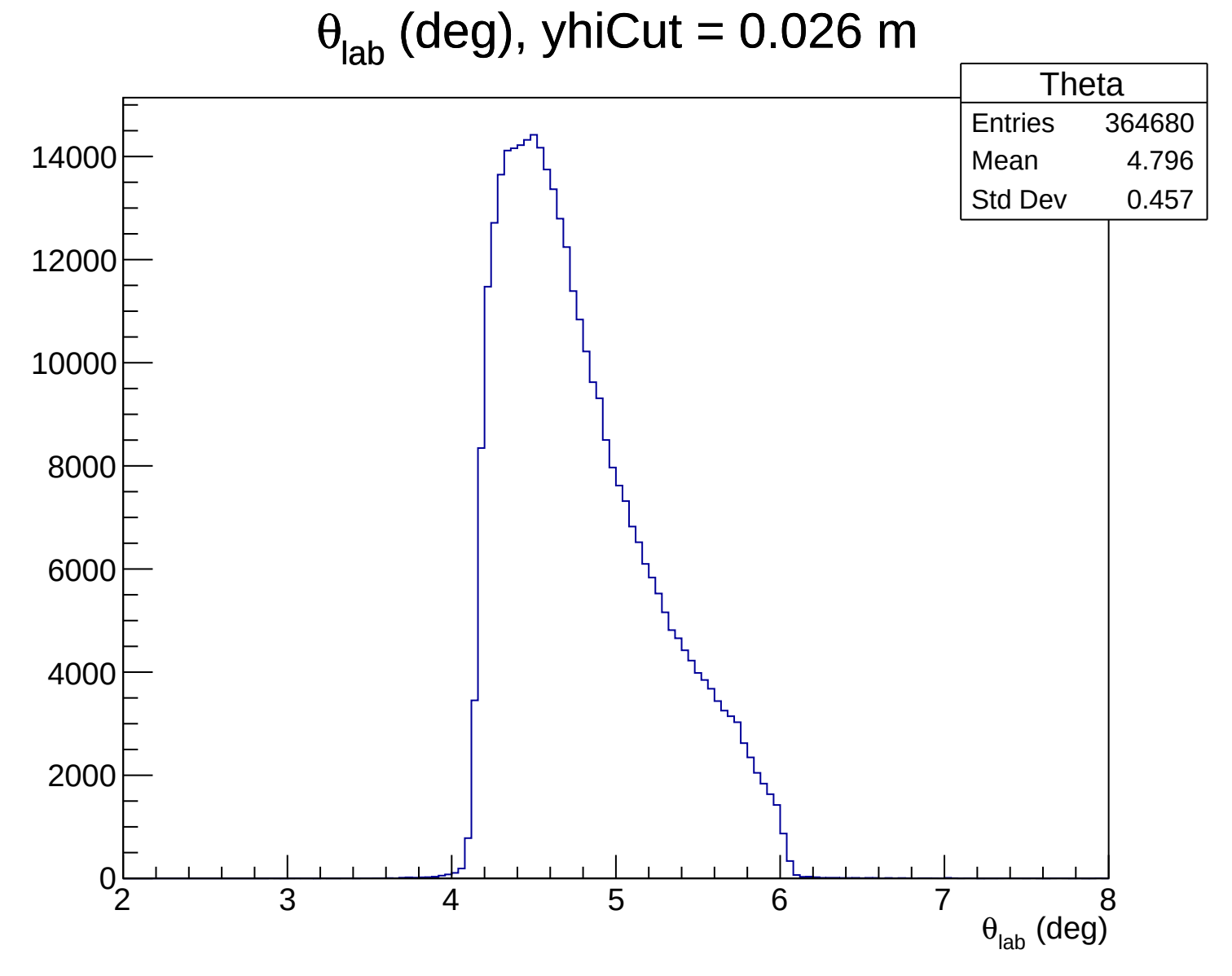

Sensitivity, yhiCut = 0.024 m
sens
Entries 363361
Mean 0.02237
Std Dev 0.003924
14000
12000
10000
8000
6000
4000
2000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

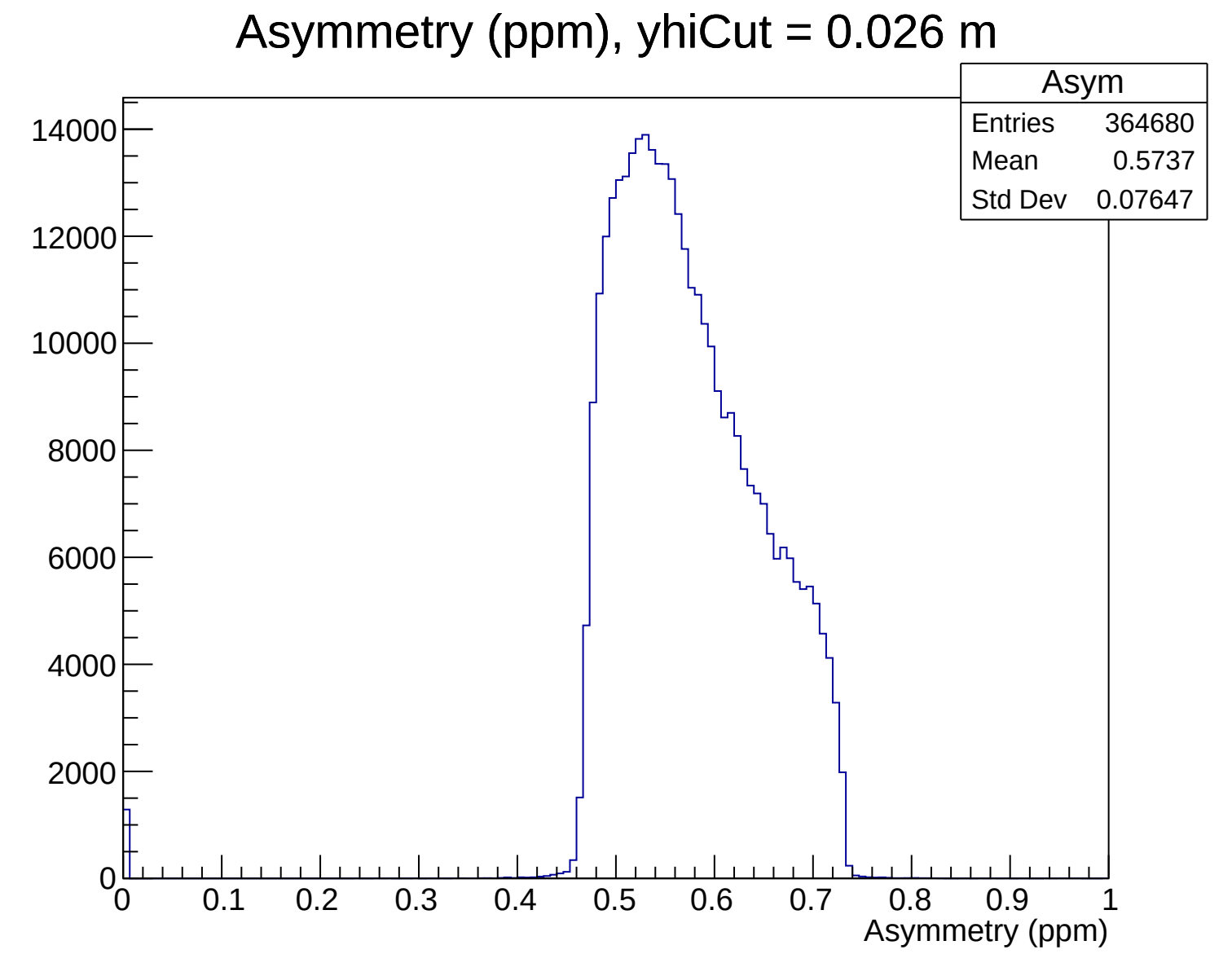

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

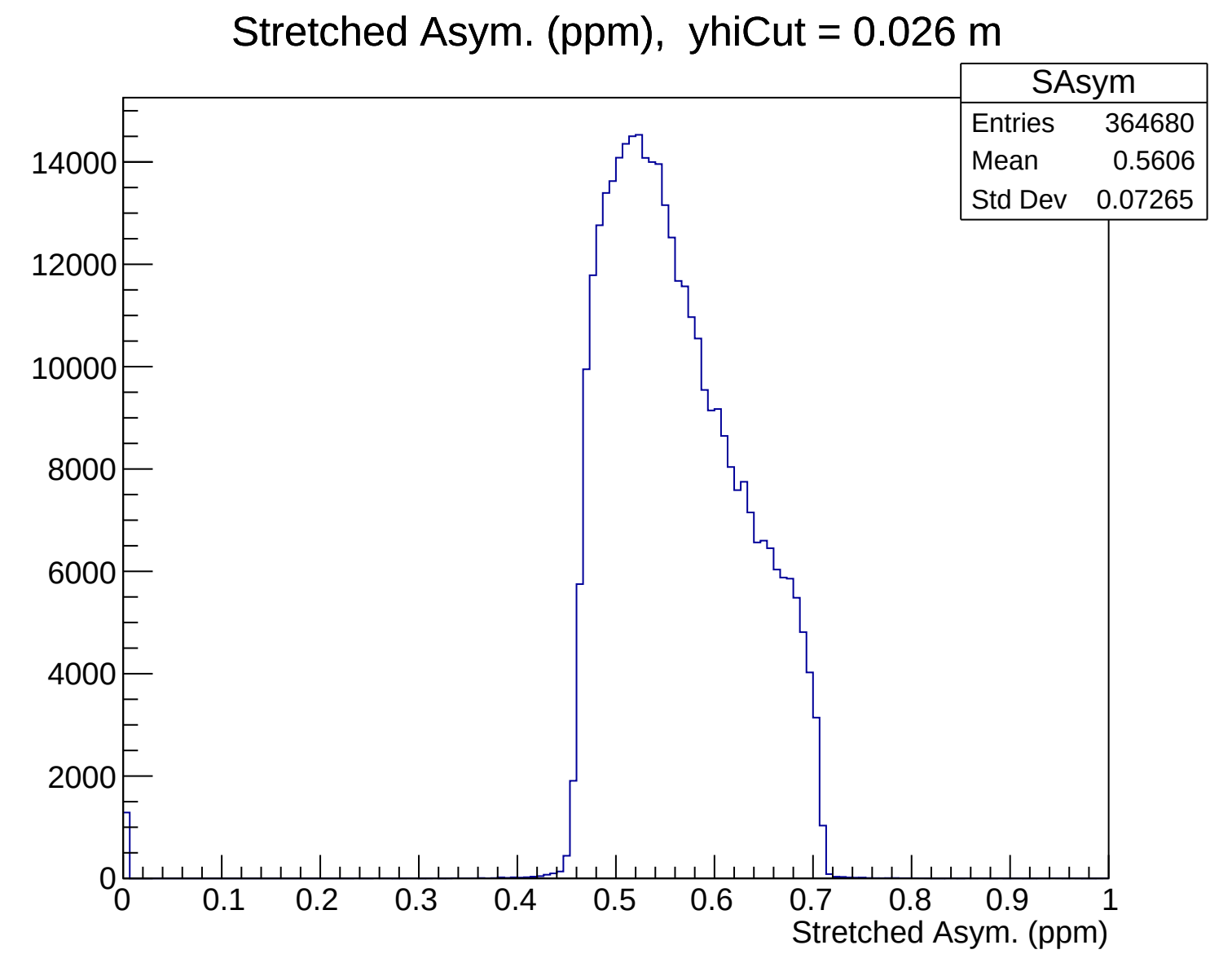

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.026
R.tr.y[0]+1.3*R.tr.ph[0] (m)

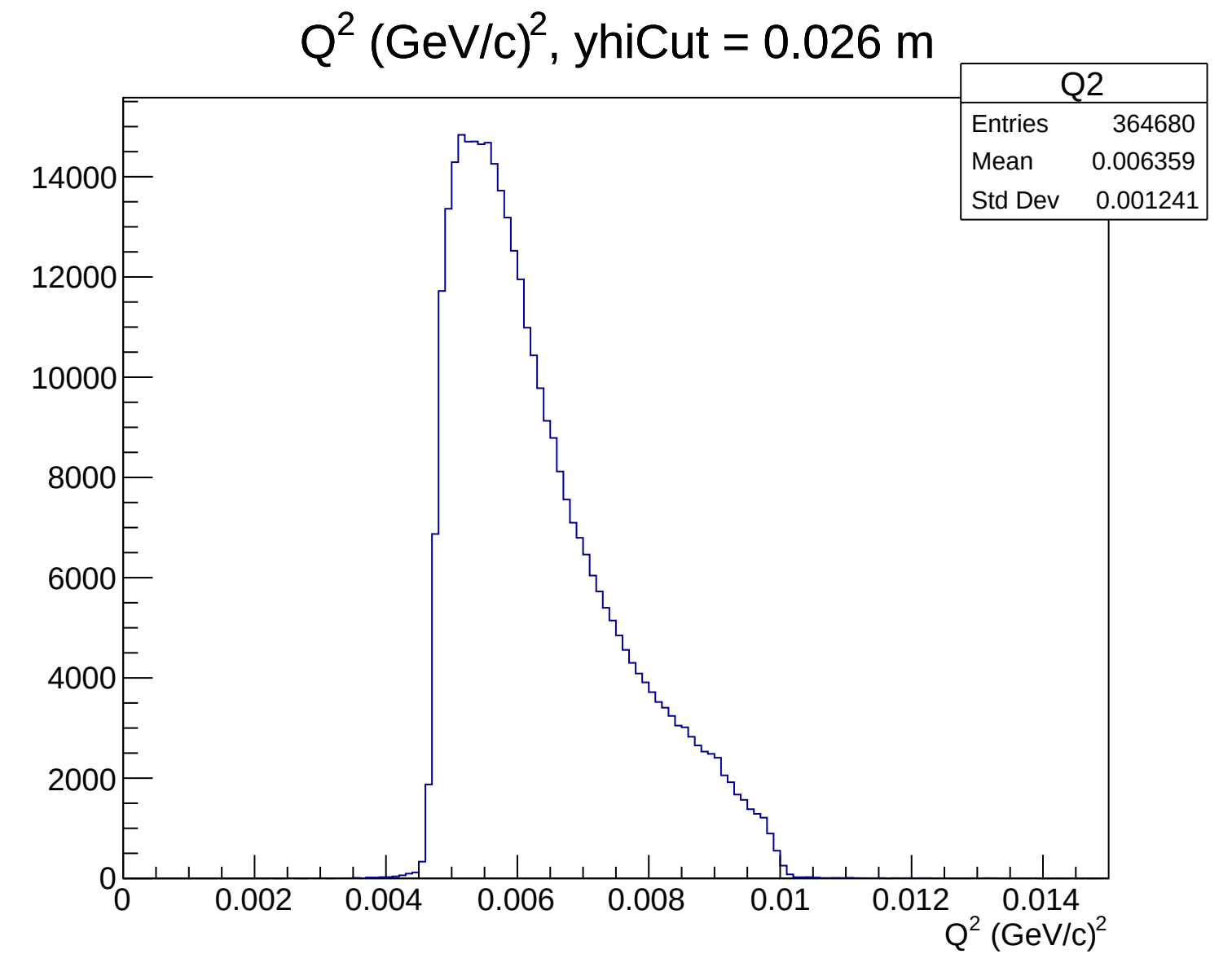

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

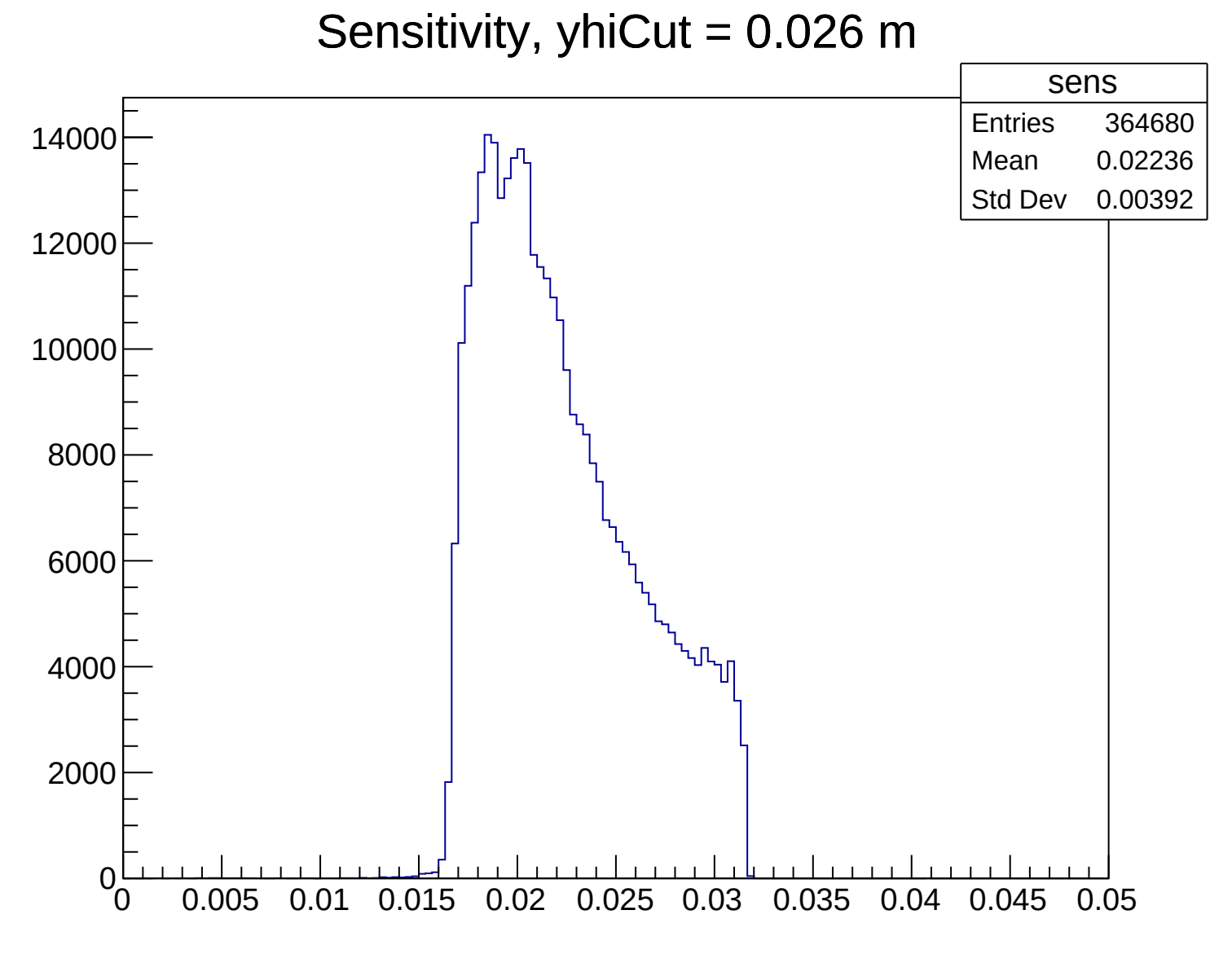

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

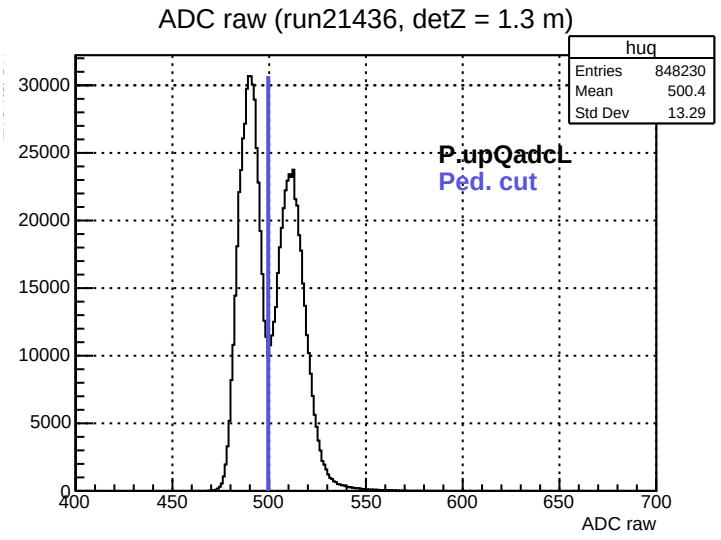

θlab (deg), yhiCut = 0.026 m
Theta
Entries 364680
Mean 4.796
Std Dev 0.457
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

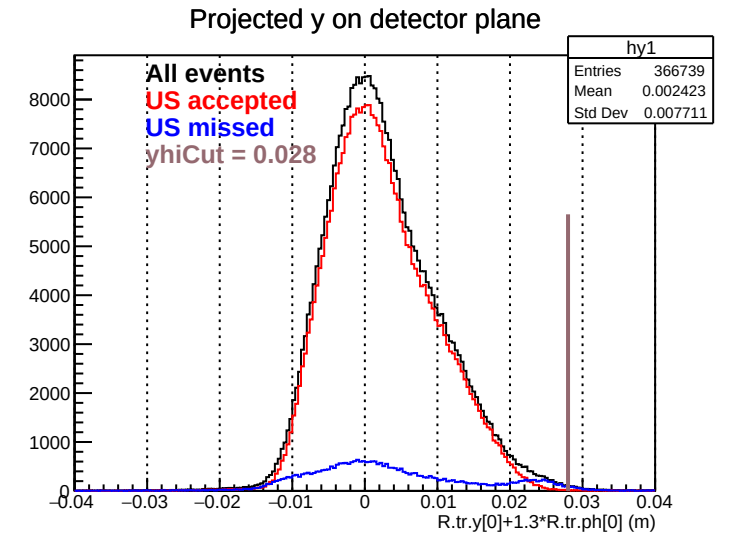

Asymmetry (ppm), yhiCut = 0.026 m
Asym
Entries 364680
Mean 0.5737
Std Dev 0.07647
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

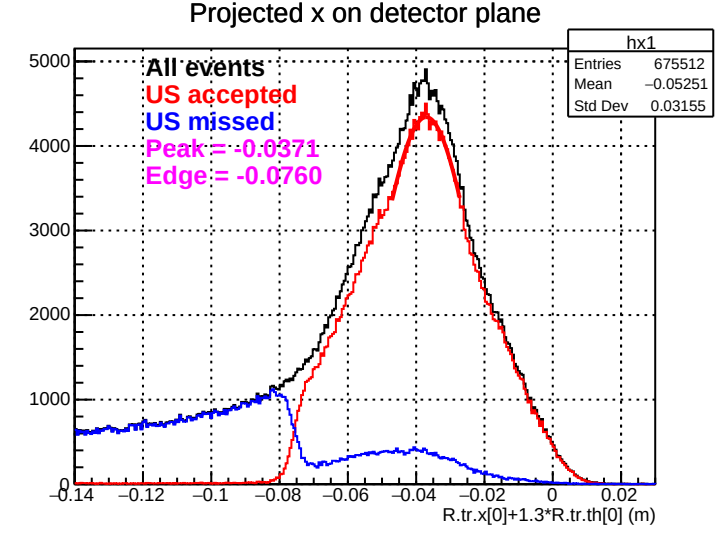

Stretched Asym. (ppm), yhiCut = 0.026 m
SAsym
Entries 364680
Mean 0.5606
Std Dev 0.07265
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

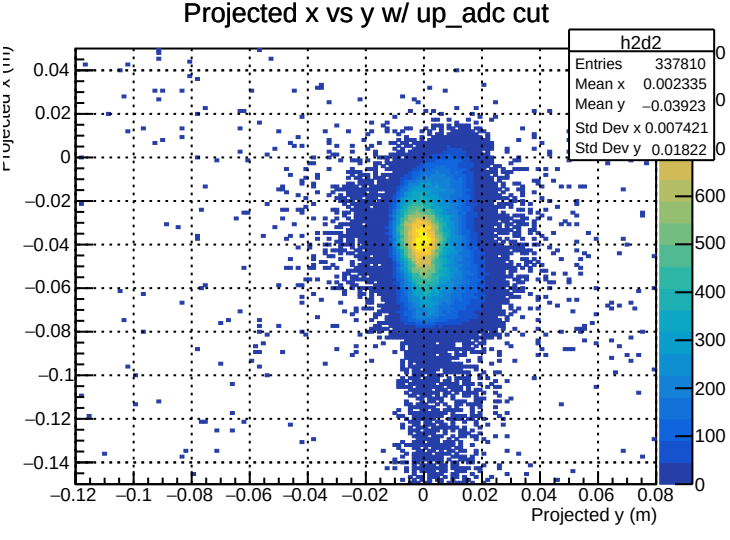

Q^2 (GeV/c)^2, yhiCut = 0.026 m
Q2
Entries 364680
Mean 0.006359
Std Dev 0.001241
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

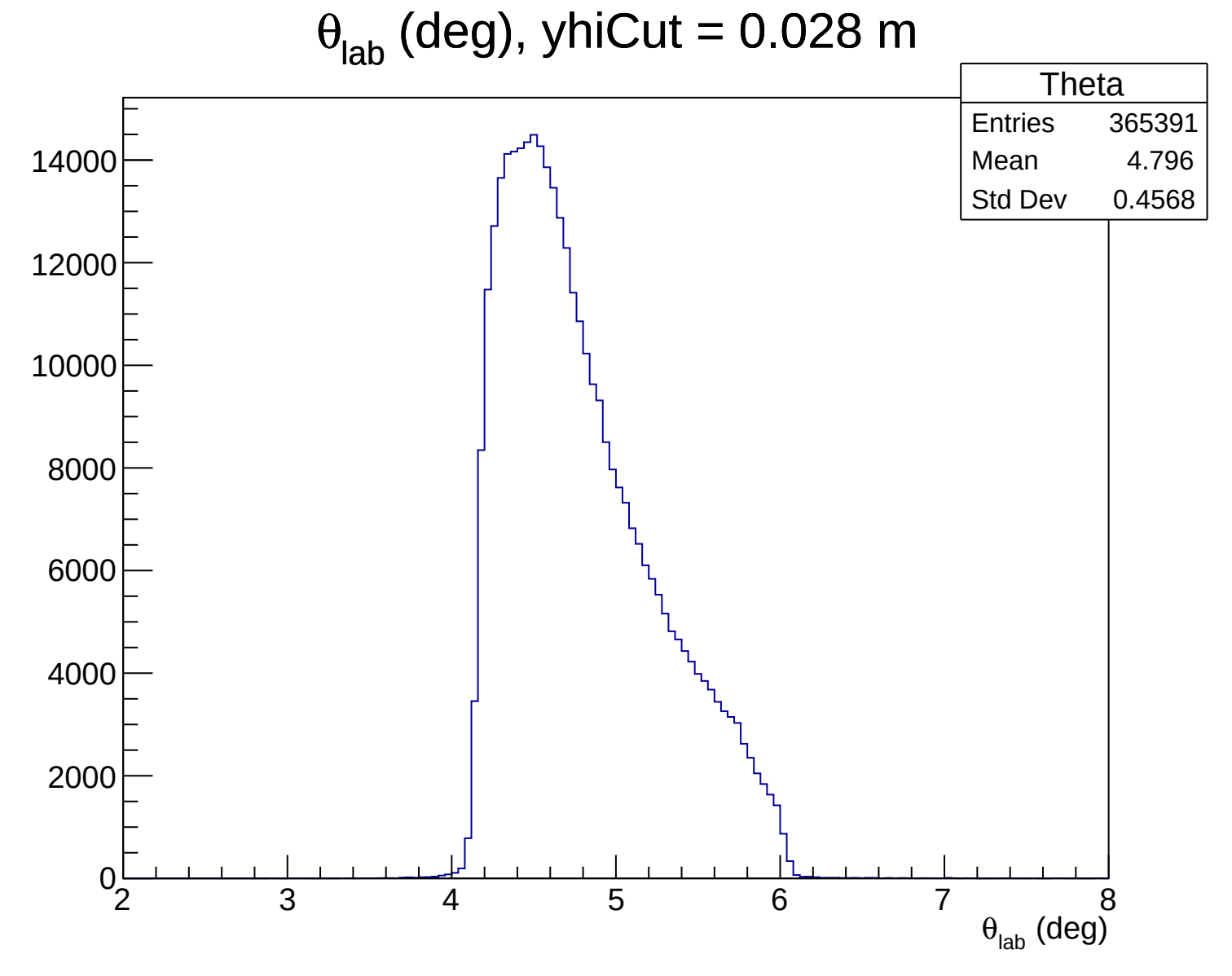

Sensitivity, yhiCut = 0.026 m
sens
Entries 364680
Mean 0.02236
Std Dev 0.00392
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

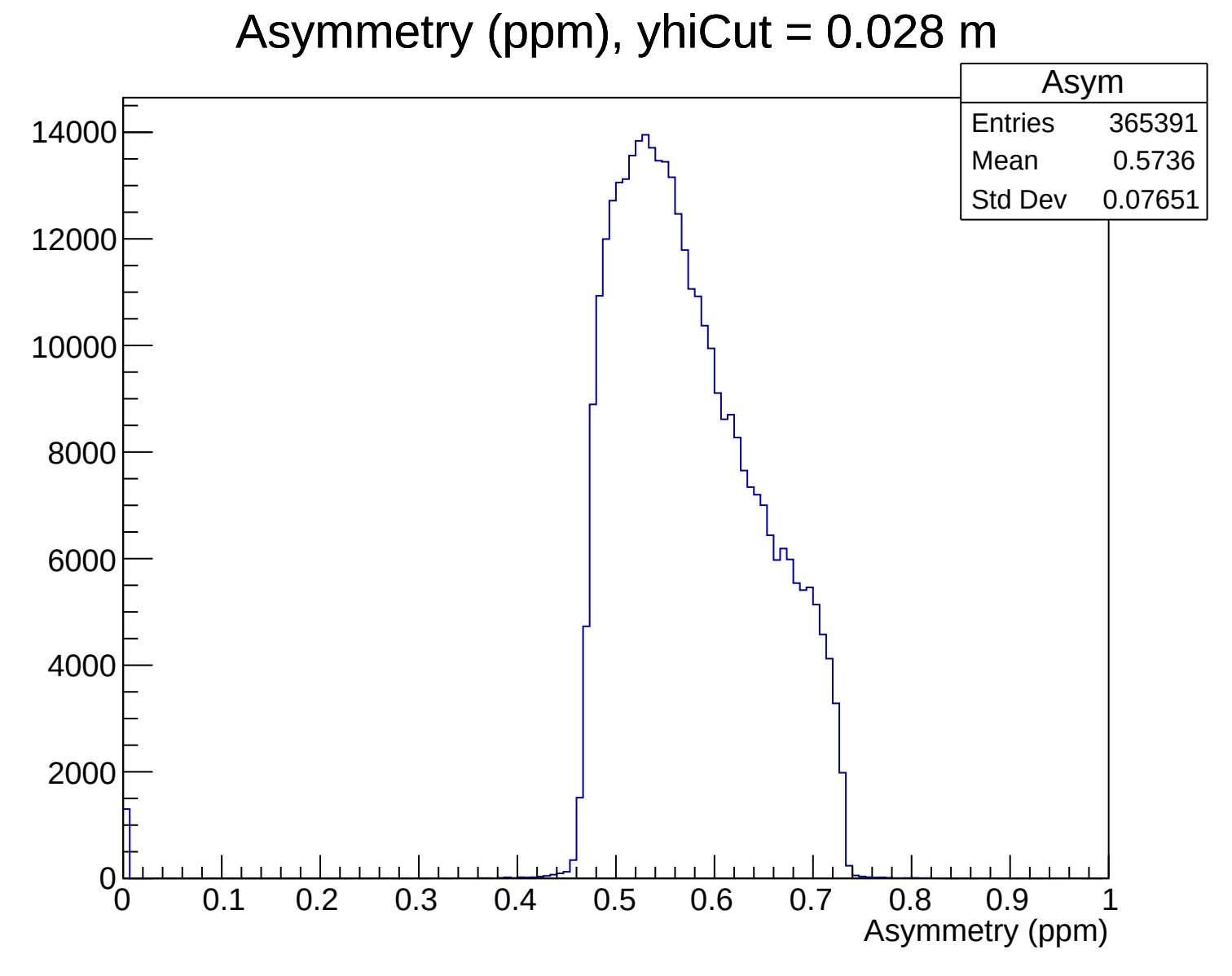

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

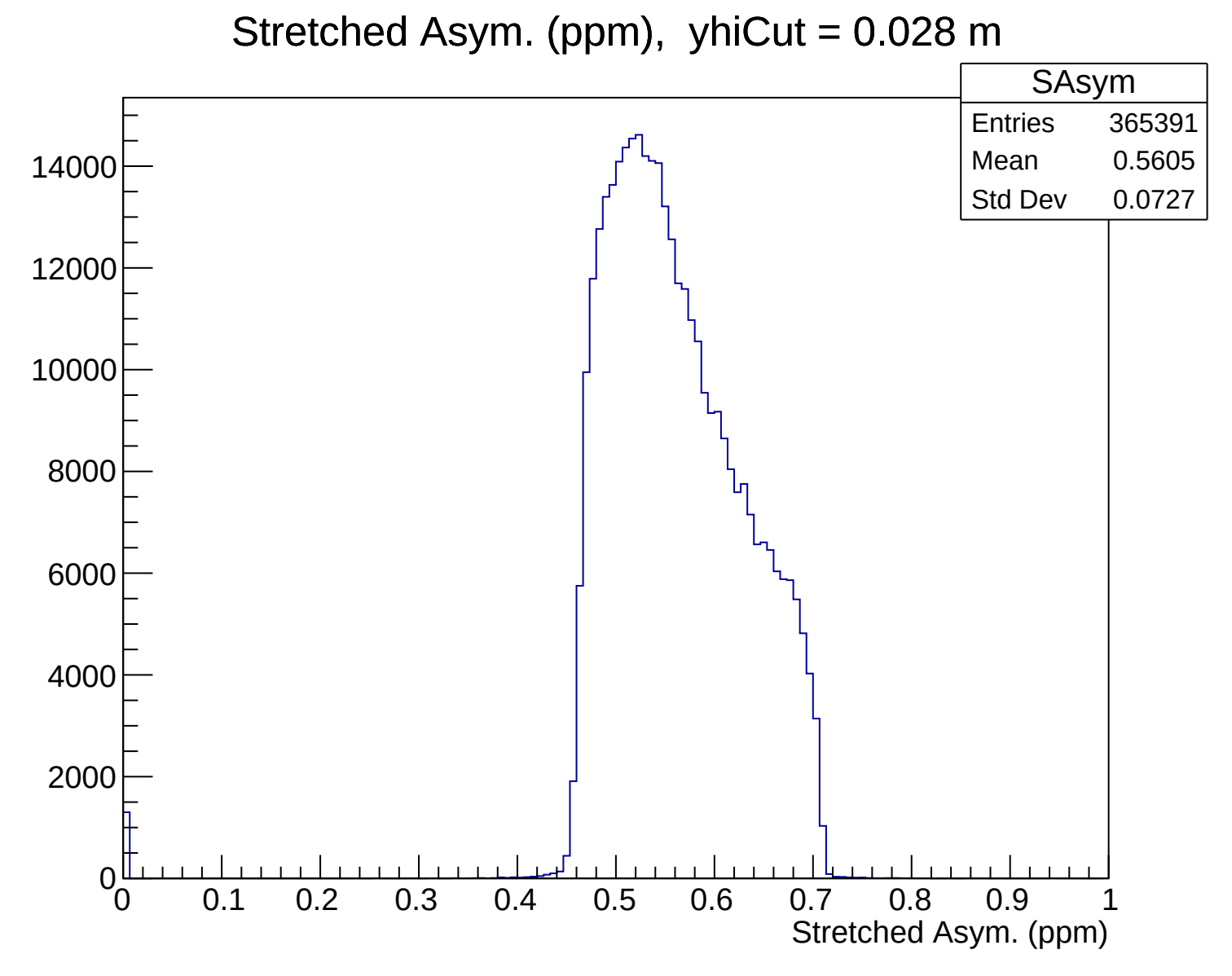

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.028
R.tr.y[0]+1.3*R.tr.ph[0] (m)

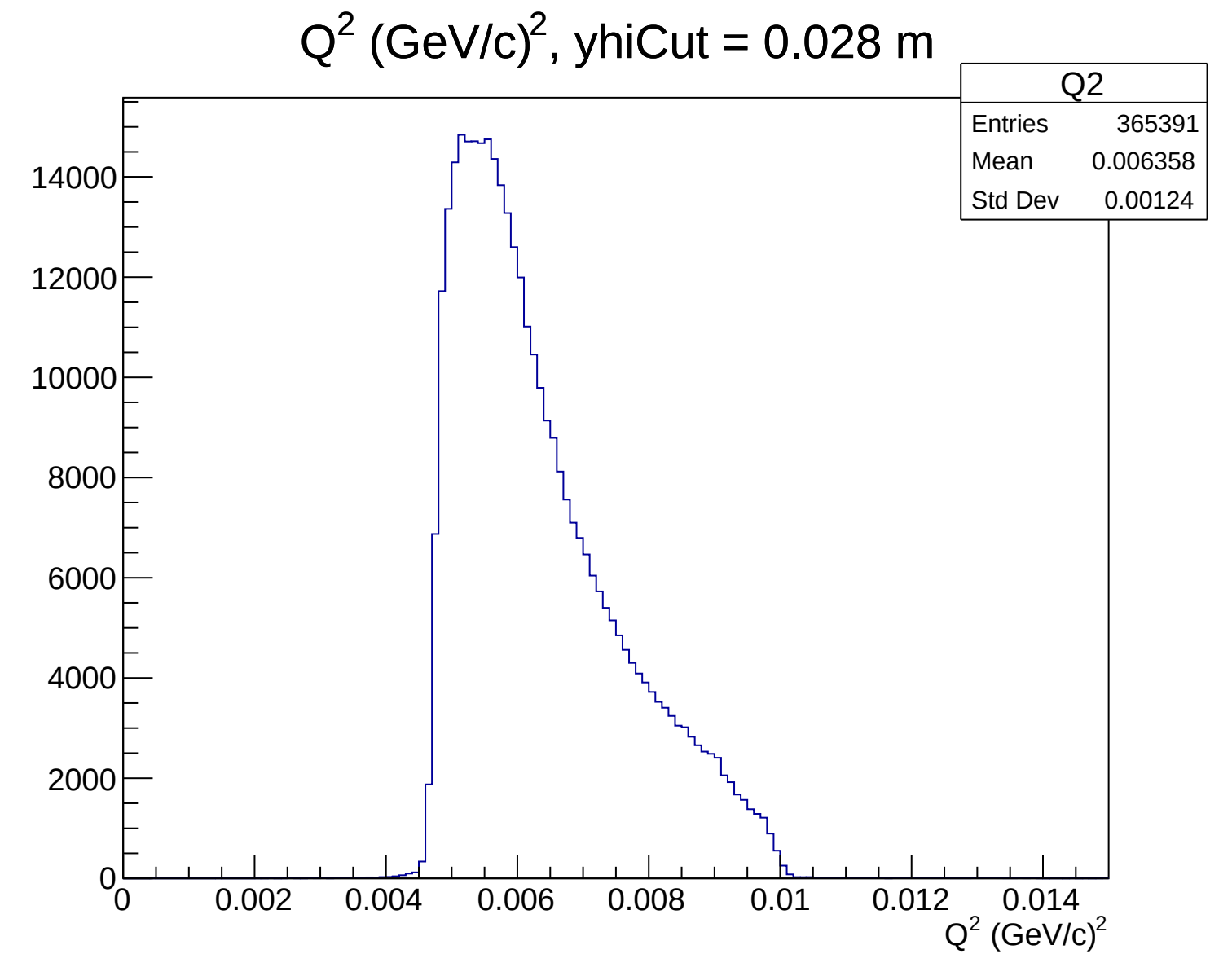

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

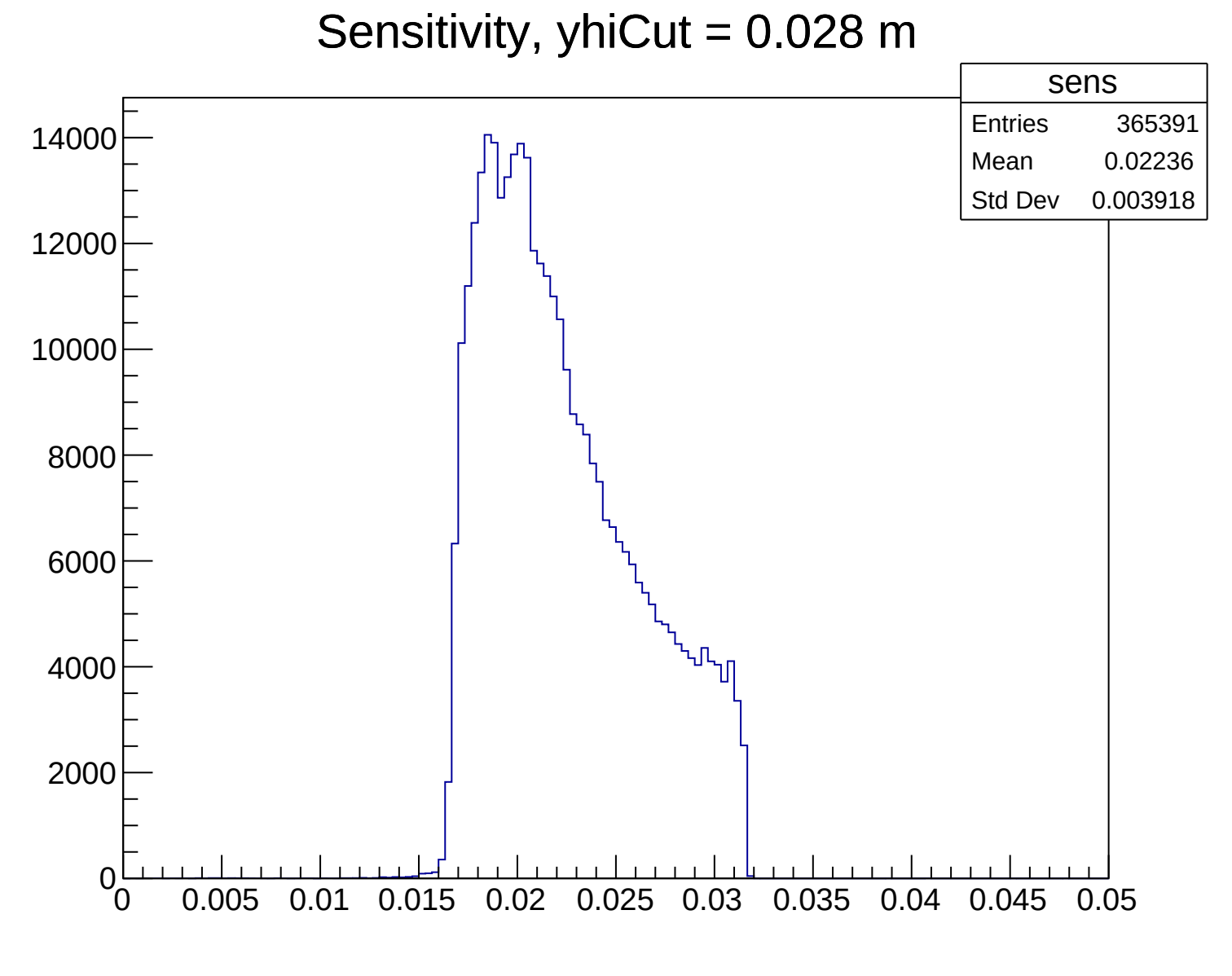

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

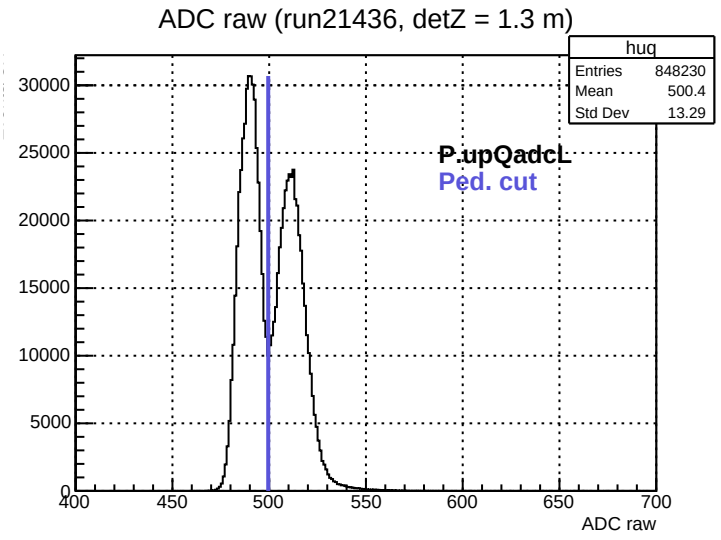

θlab (deg), yhiCut = 0.028 m
Theta
Entries 365391
Mean 4.796
Std Dev 0.4568
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

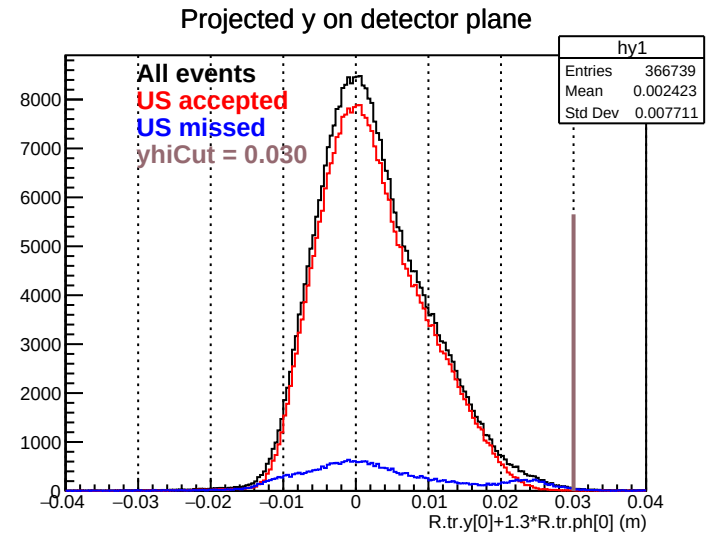

Asymmetry (ppm), yhiCut = 0.028 m
Asym
Entries 365391
Mean 0.5736
Std Dev 0.07651
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

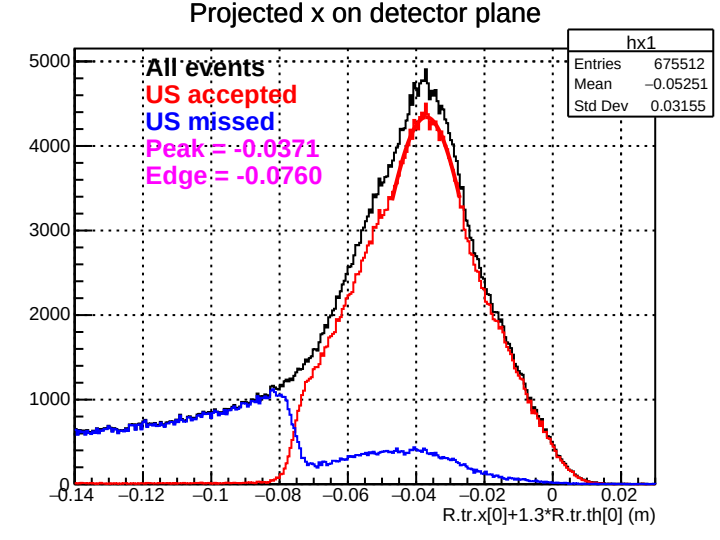

Stretched Asym. (ppm), yhiCut = 0.028 m
SAsym
Entries 365391
Mean 0.5605
Std Dev 0.0727
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

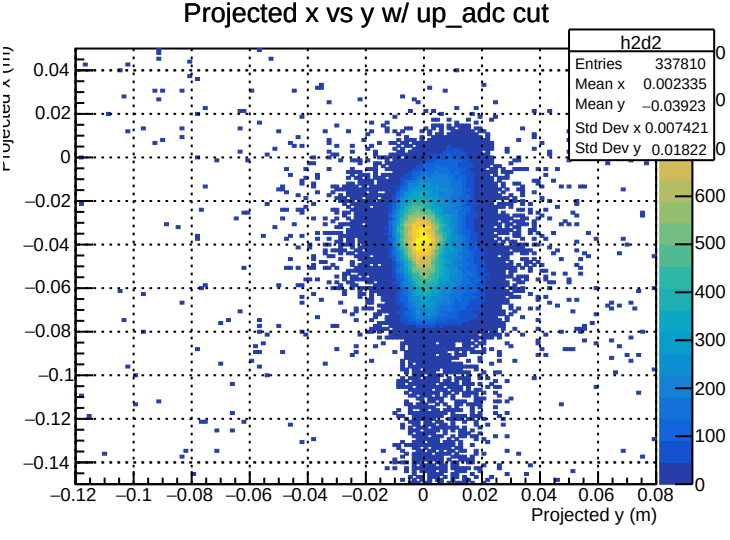

Q^2 (GeV/c)^2, yhiCut = 0.028 m
Q2
Entries 365391
Mean 0.006358
Std Dev 0.00124
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

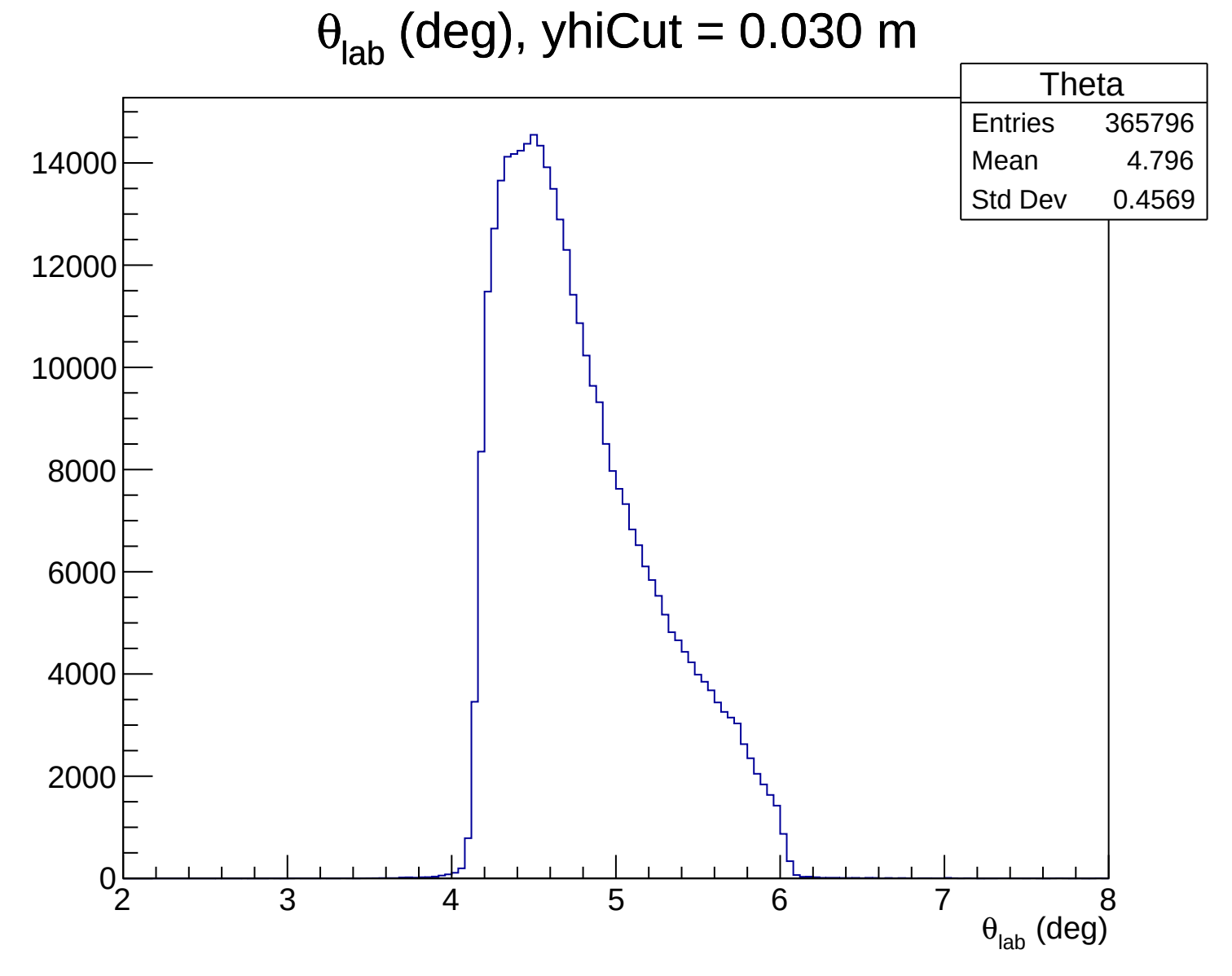

Sensitivity, yhiCut = 0.028 m
sens
Entries 365391
Mean 0.02236
Std Dev 0.003918
14000
12000
10000
8000
6000
4000
2000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

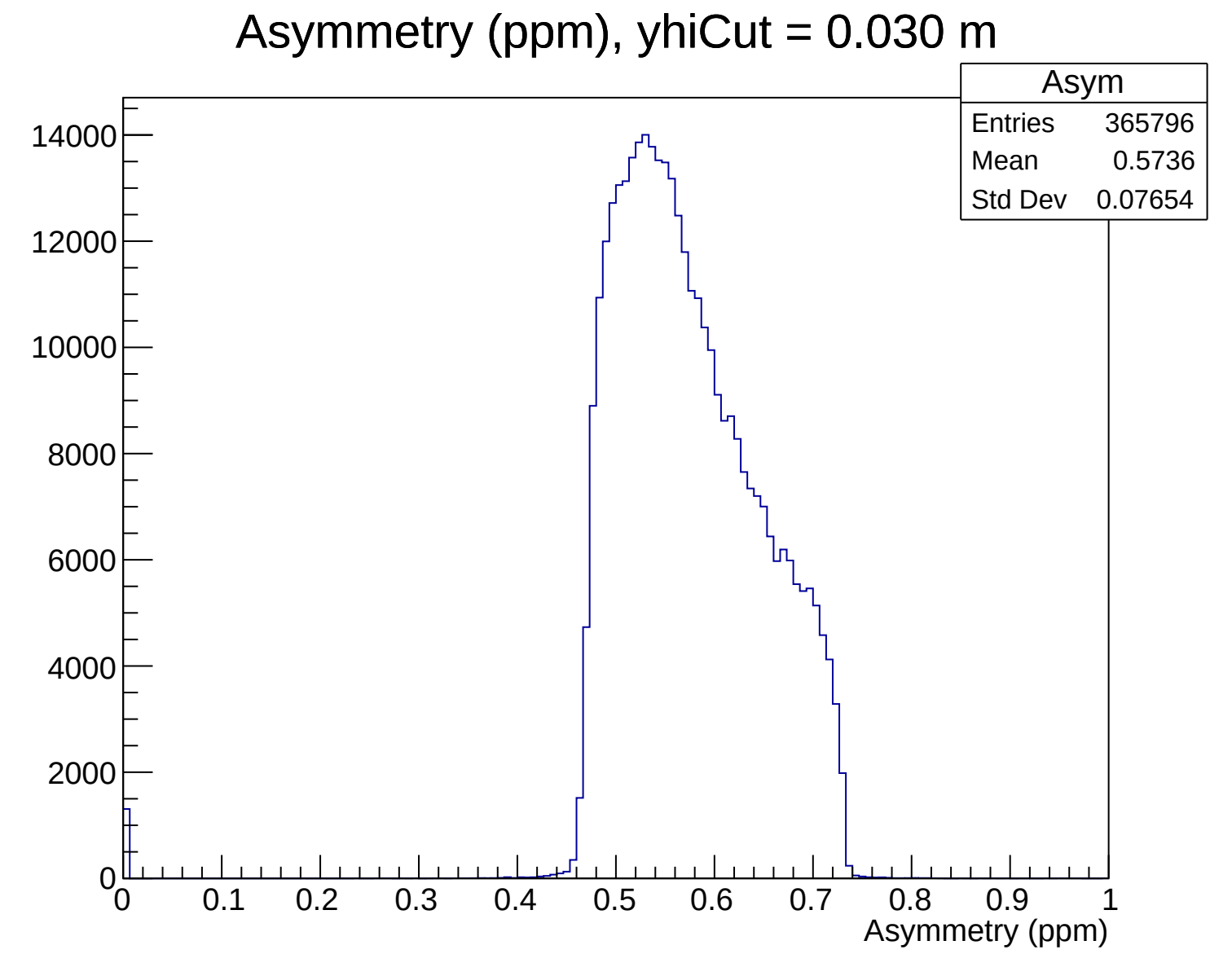

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

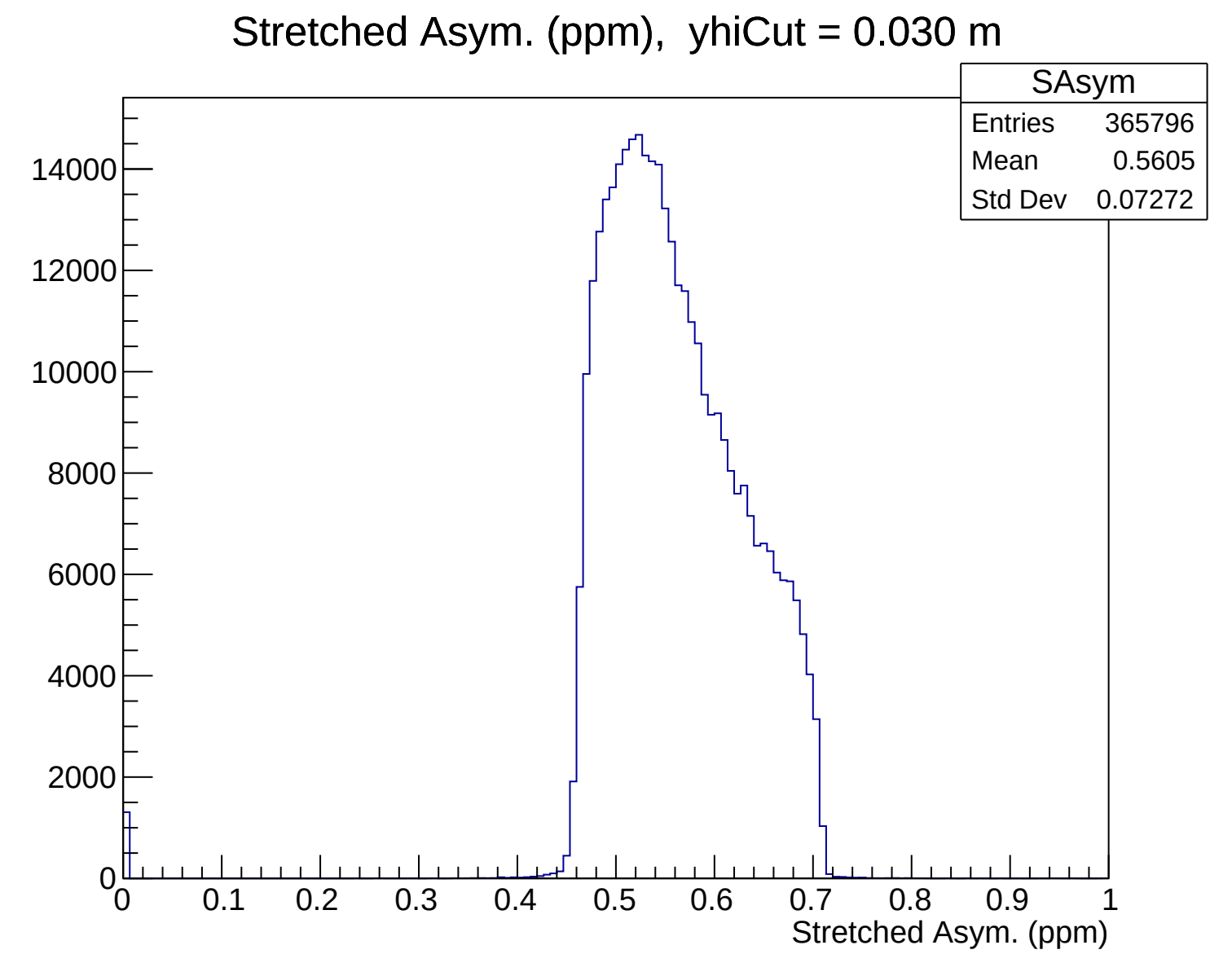

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.030
R.tr.y[0]+1.3*R.tr.ph[0] (m)

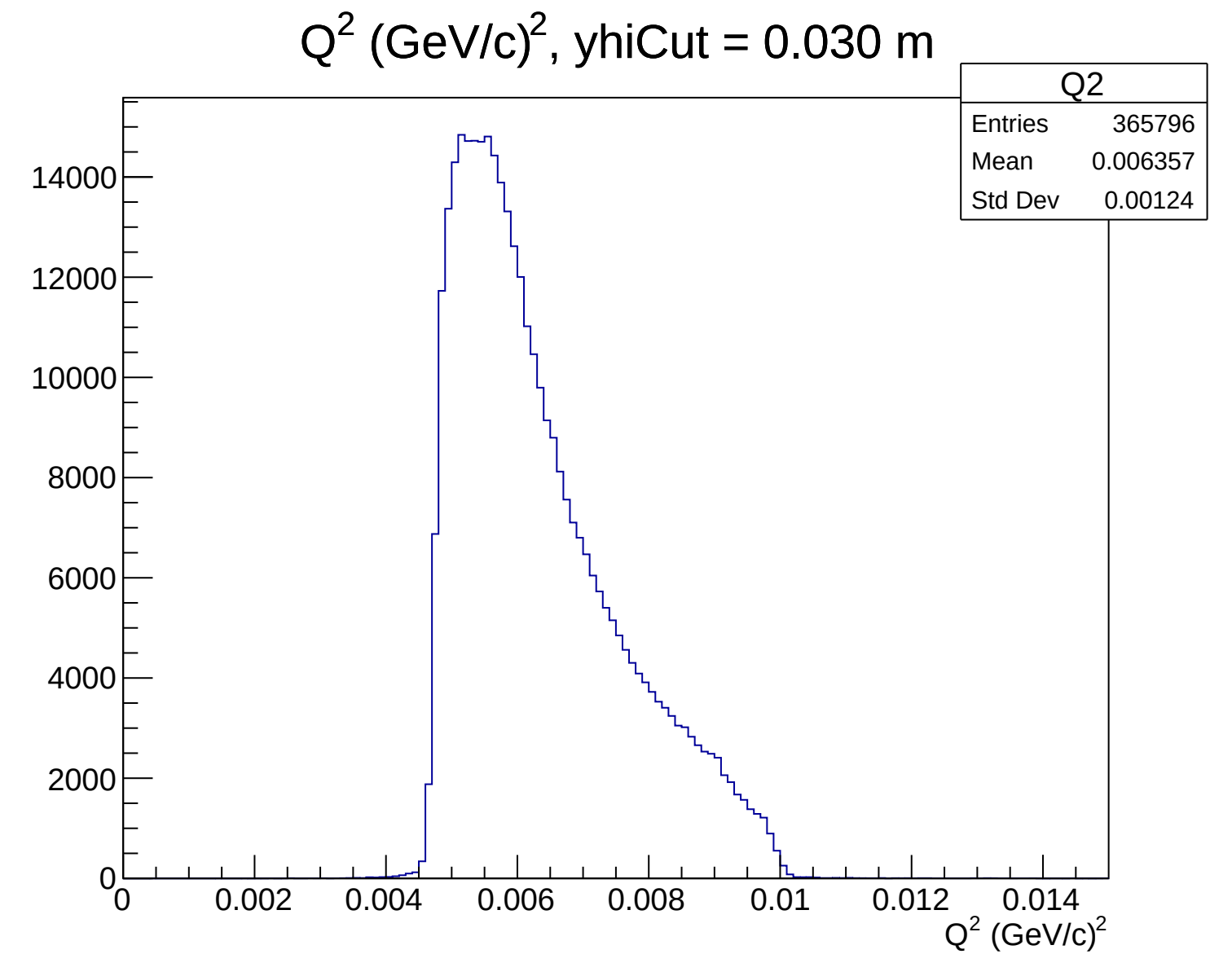

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

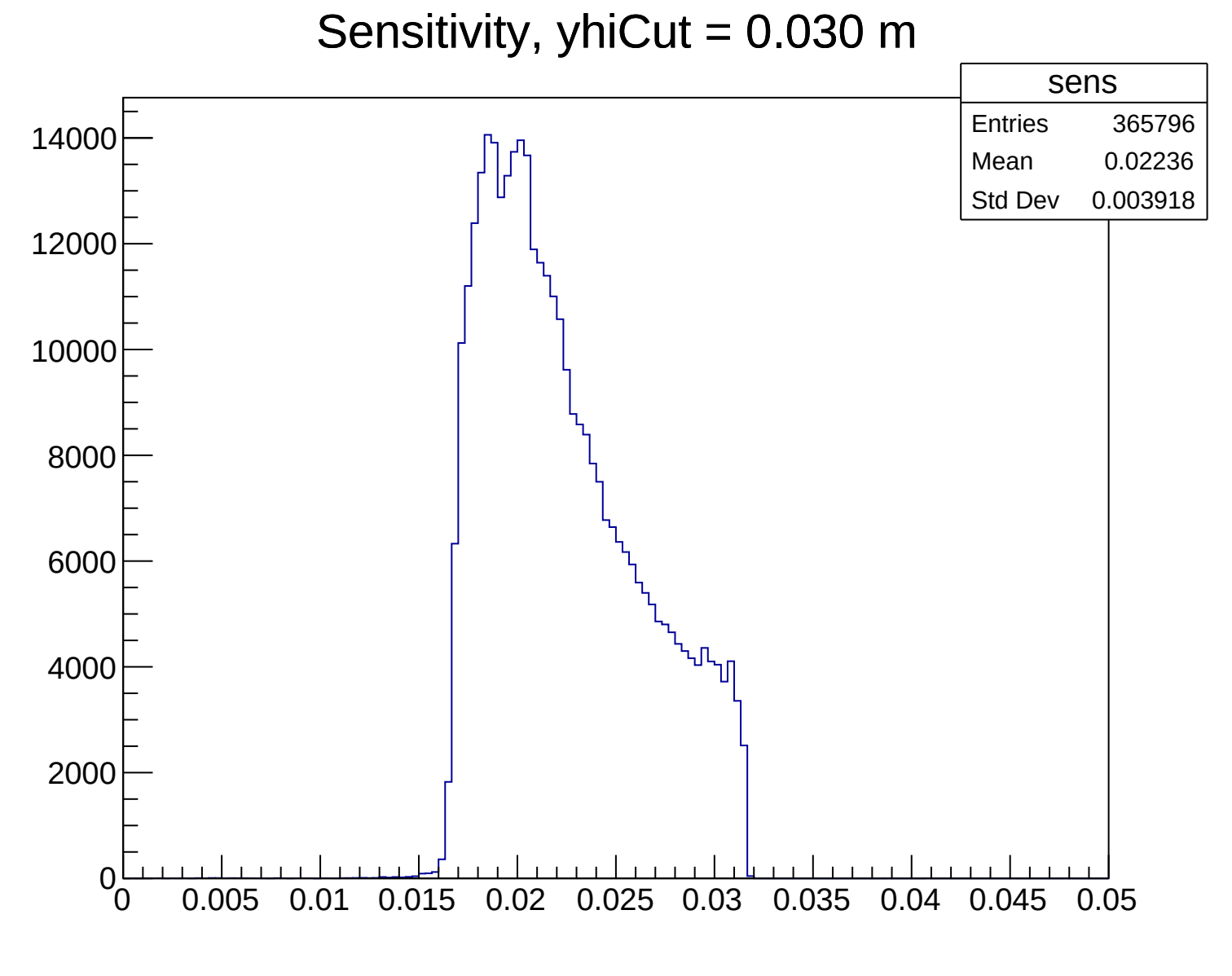

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

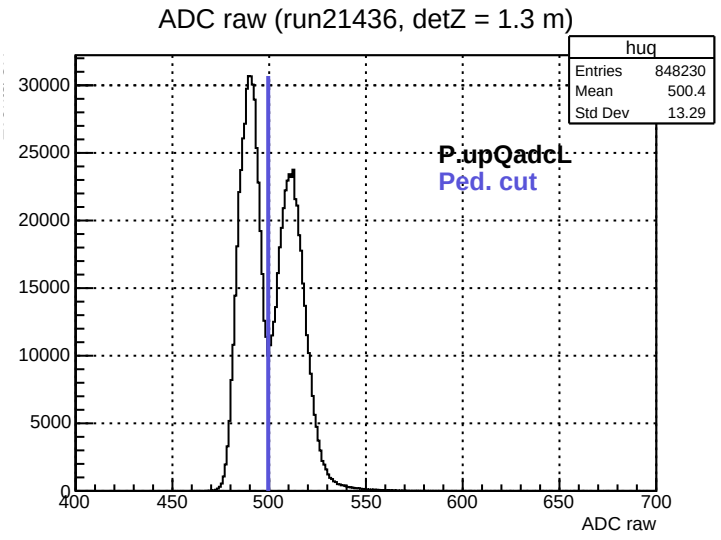

θlab (deg), yhiCut = 0.030 m
Theta
Entries 365796
Mean 4.796
Std Dev 0.4569
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

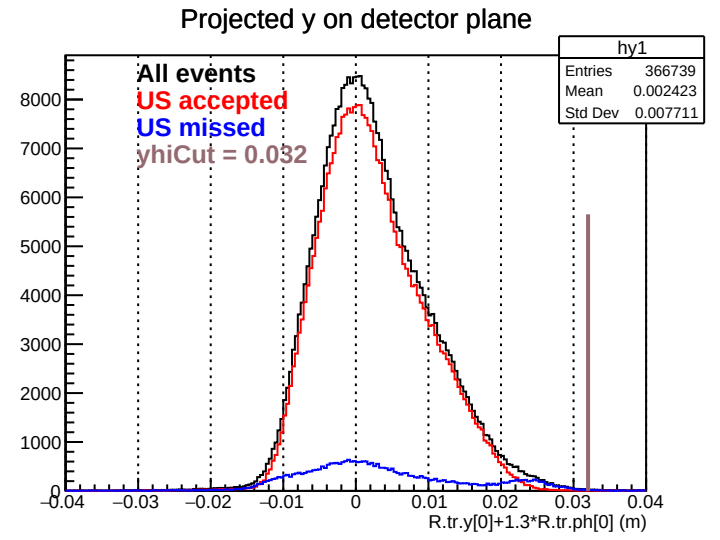

Asymmetry (ppm), yhiCut = 0.030 m
Asym
Entries 365796
Mean 0.5736
Std Dev 0.07654
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

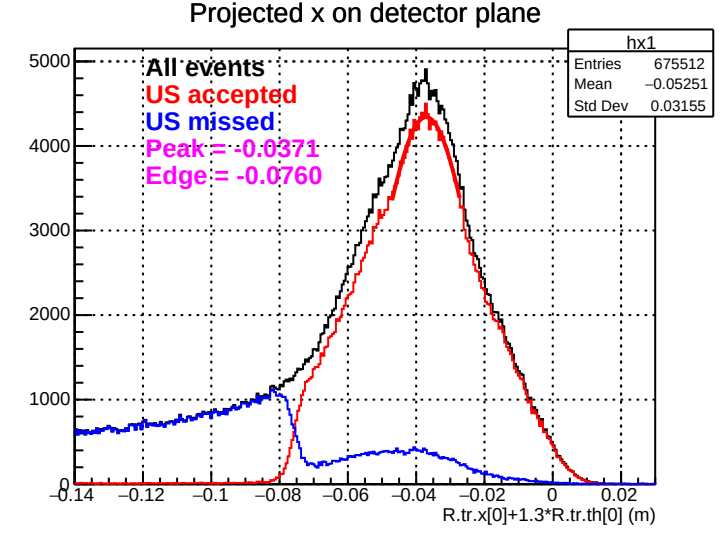

Stretched Asym. (ppm), yhiCut = 0.030 m
SAsym
Entries 365796
Mean 0.5605
Std Dev 0.07272
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

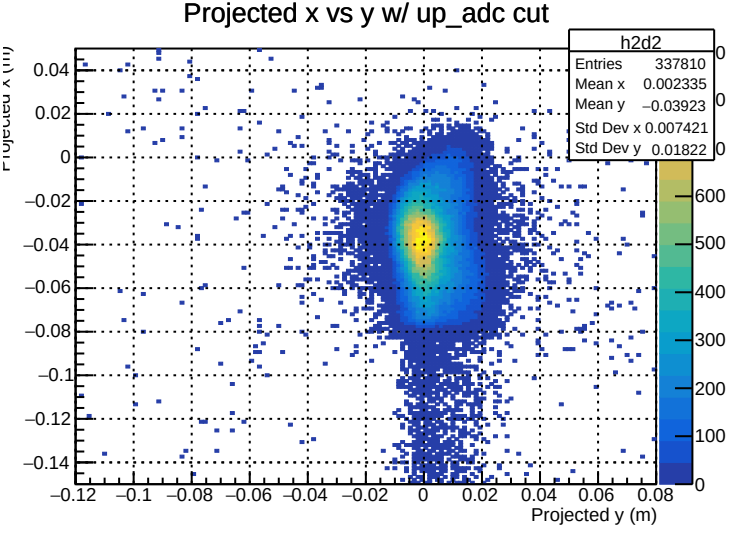

Q^2 (GeV/c)^2, yhiCut = 0.030 m
Q2
Entries 365796
Mean 0.006357
Std Dev 0.00124
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

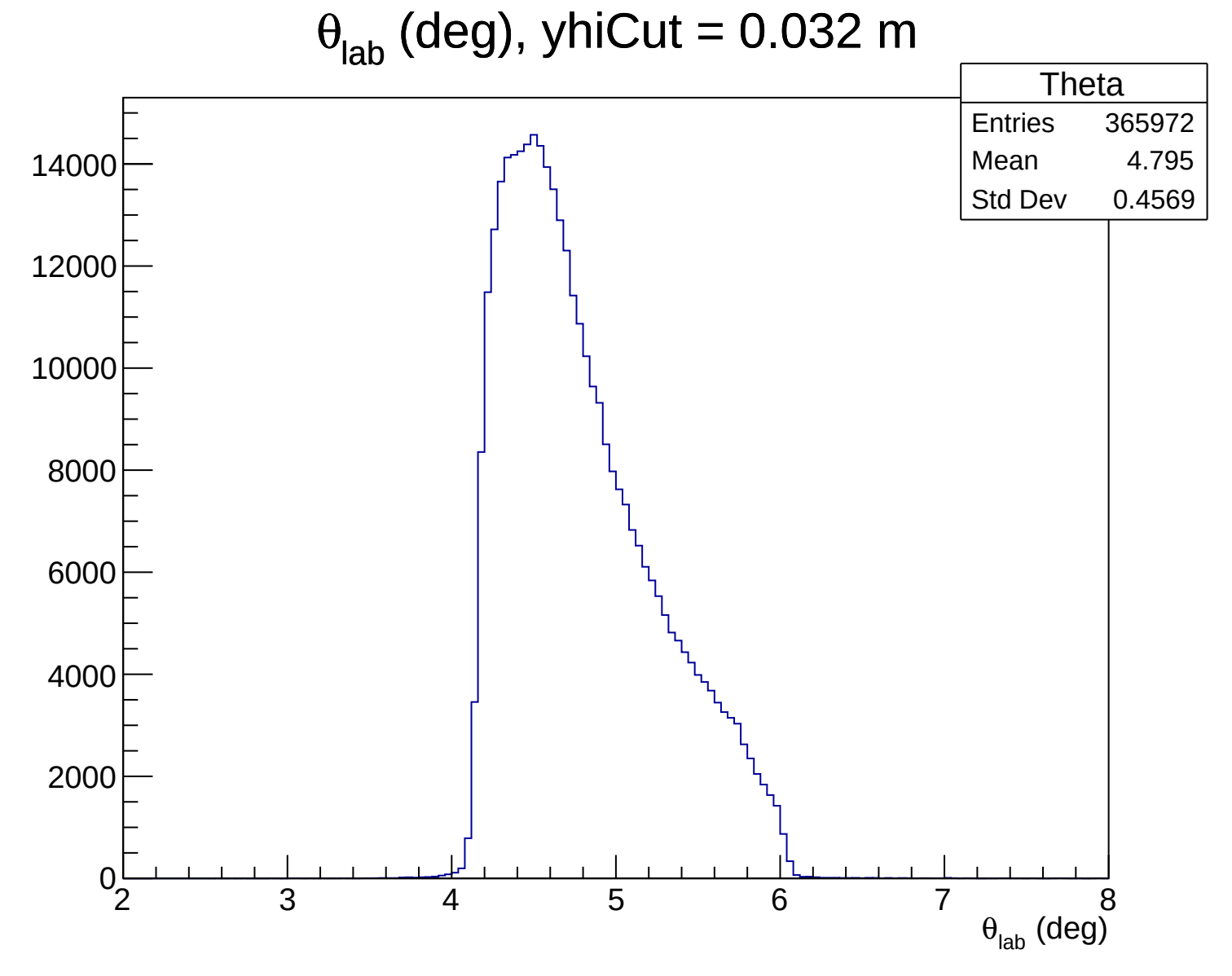

Sensitivity, yhiCut = 0.030 m
sens
Entries 365796
Mean 0.02236
Std Dev 0.003918
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

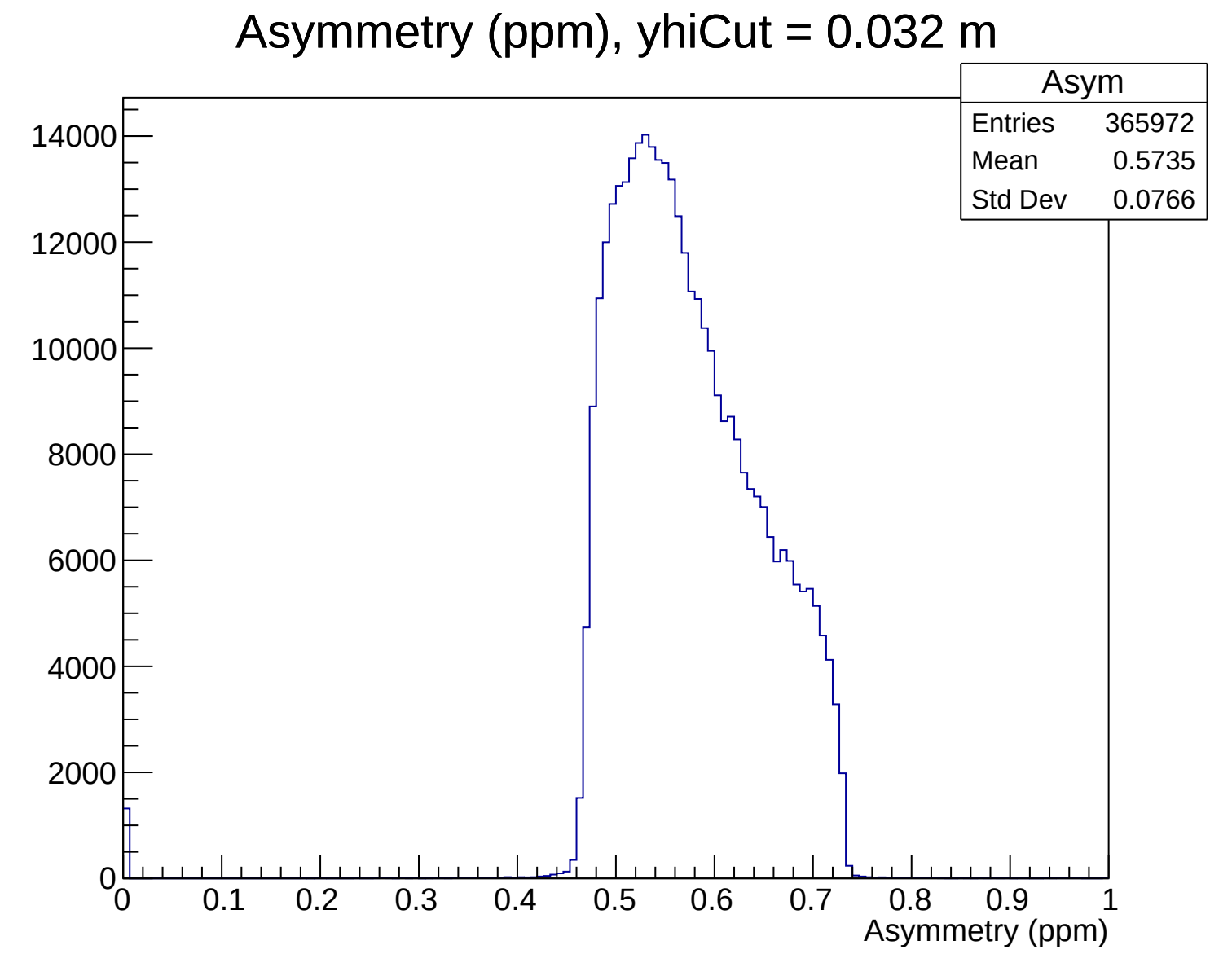

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

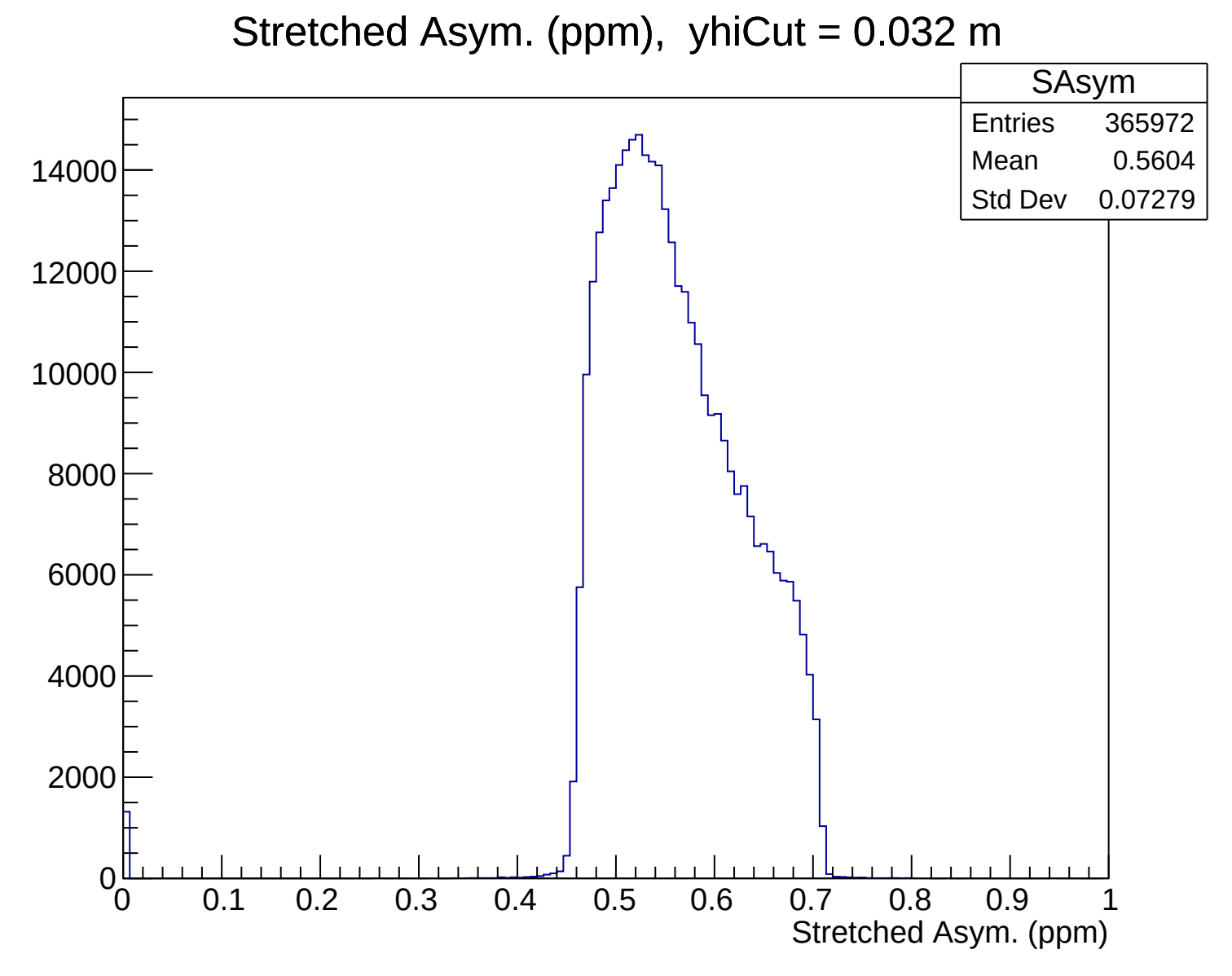

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.032
R.tr.y[0]+1.3*R.tr.ph[0] (m)

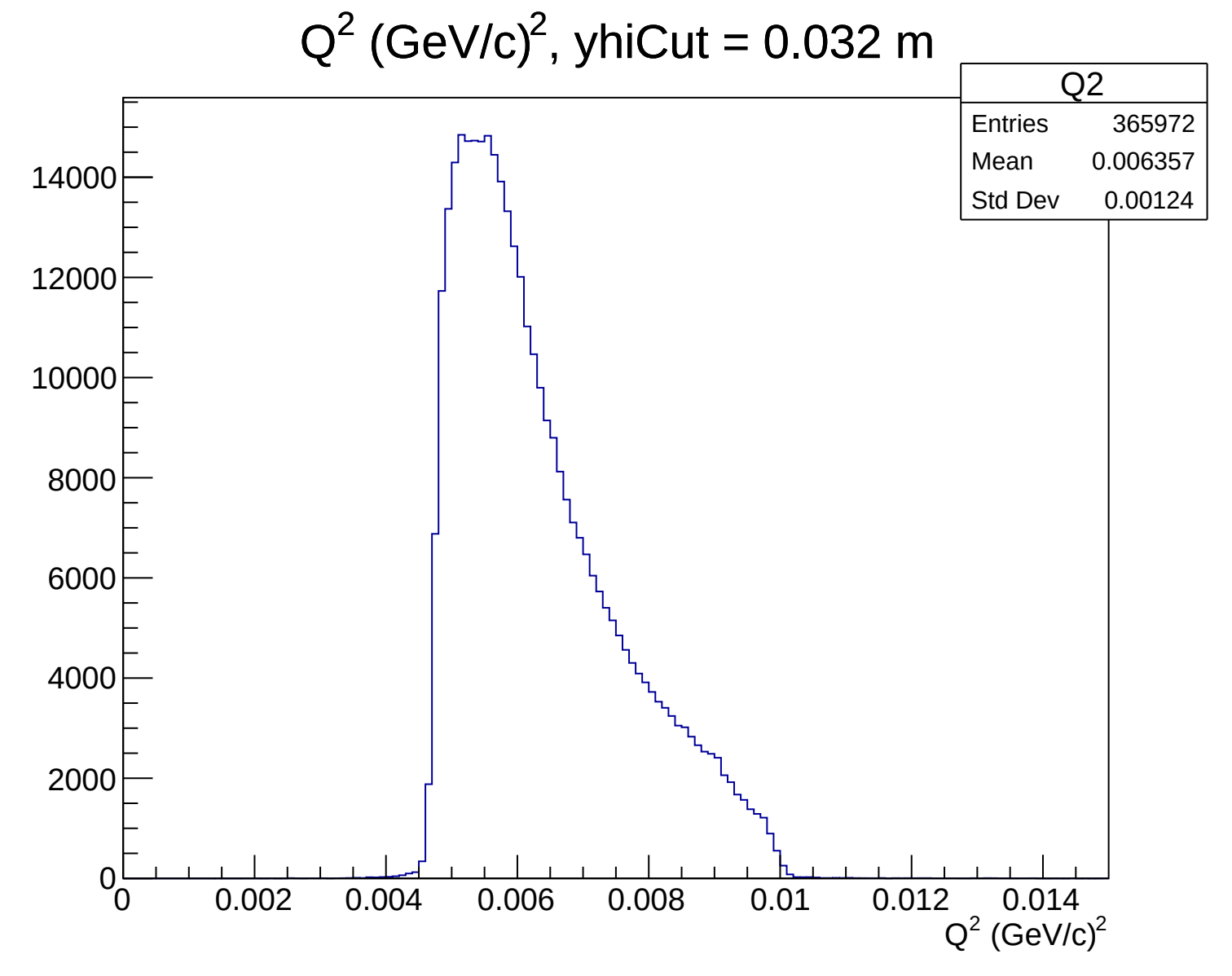

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

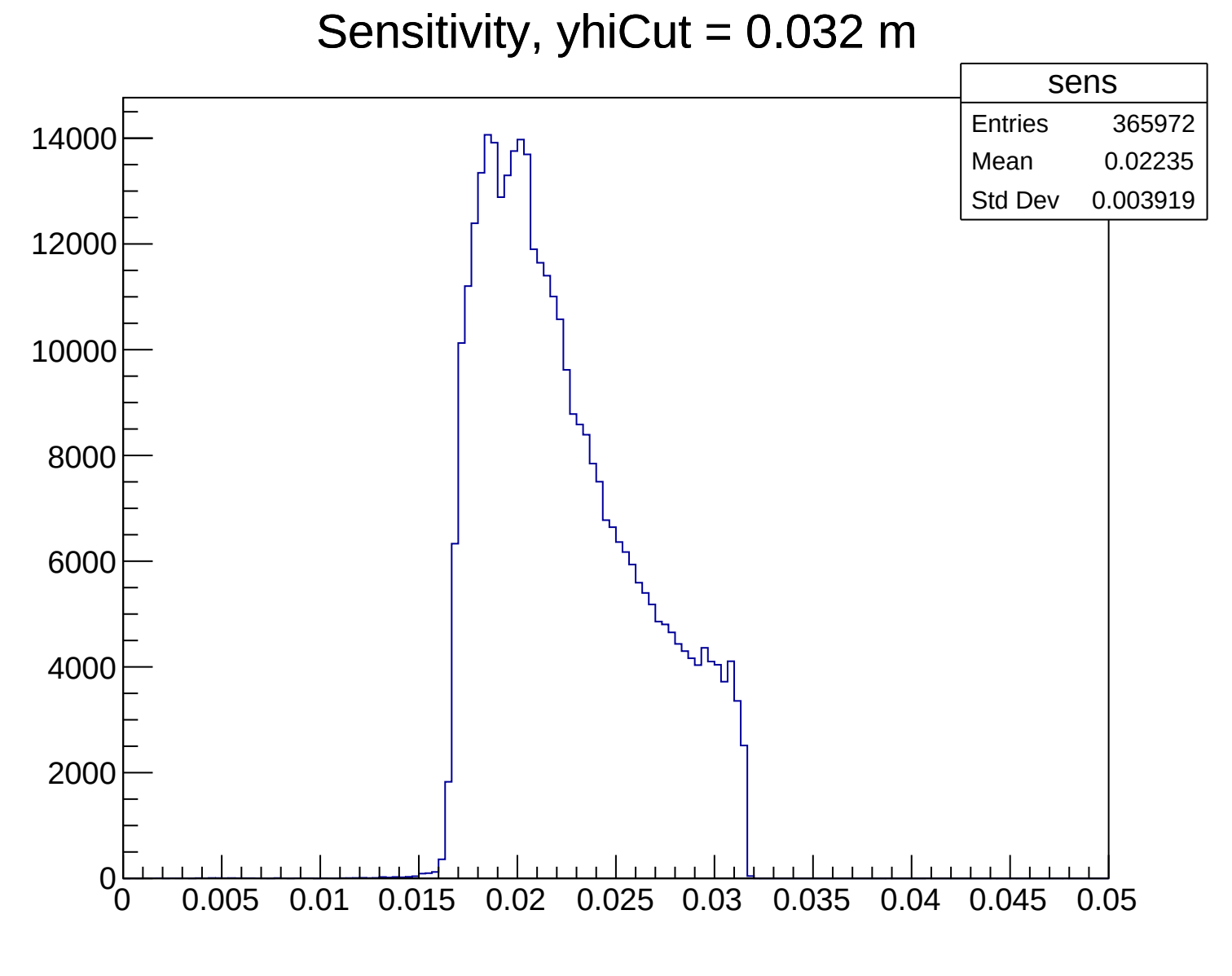

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

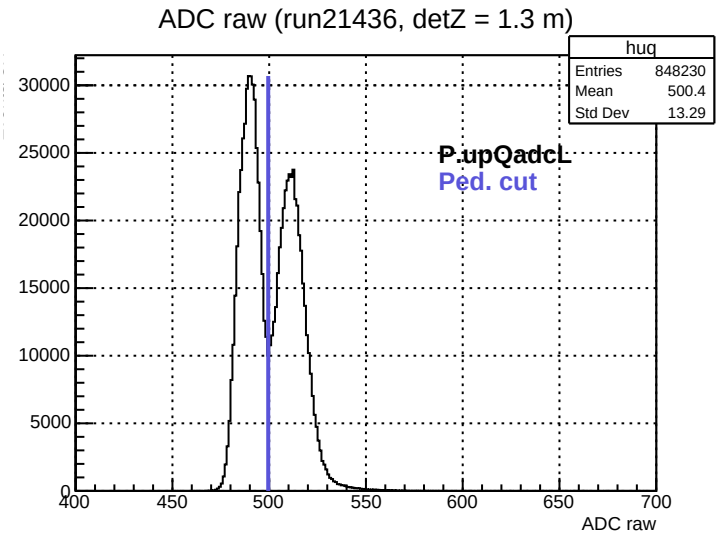

θlab (deg), yhiCut = 0.032 m
Theta
Entries 365972
Mean 4.795
Std Dev 0.4569
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

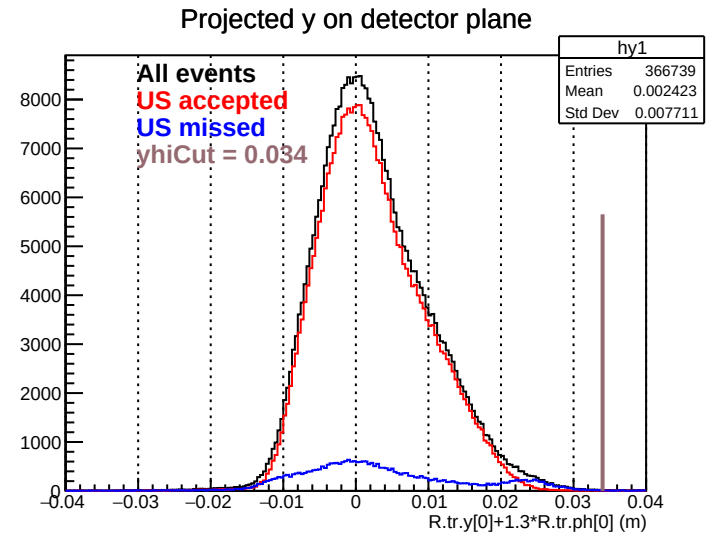

Asymmetry (ppm), yhiCut = 0.032 m
Asym
Entries 365972
Mean 0.5735
Std Dev 0.0766
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

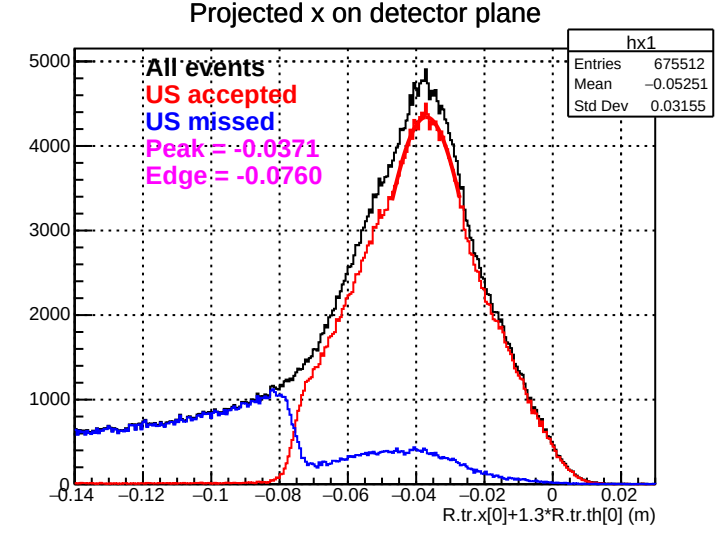

Stretched Asym. (ppm), yhiCut = 0.032 m
SAsym
Entries 365972
Mean 0.5604
Std Dev 0.07279
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

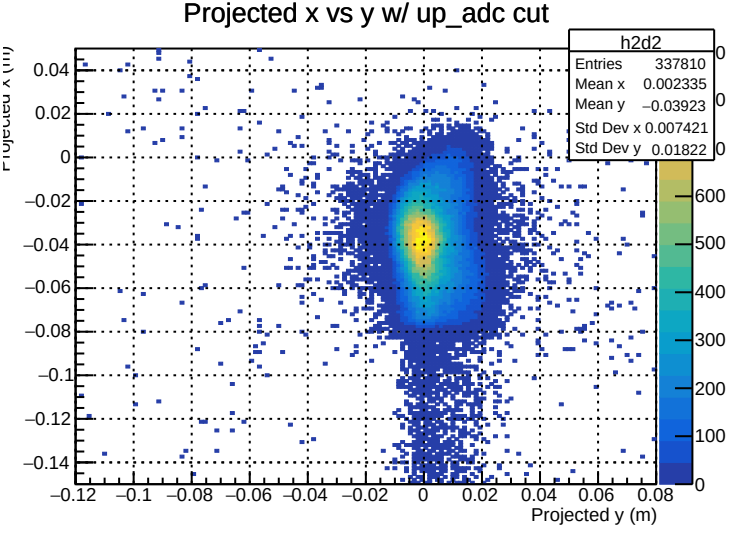

Q^2 (GeV/c)^2, yhiCut = 0.032 m
Q2
Entries 365972
Mean 0.006357
Std Dev 0.00124
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

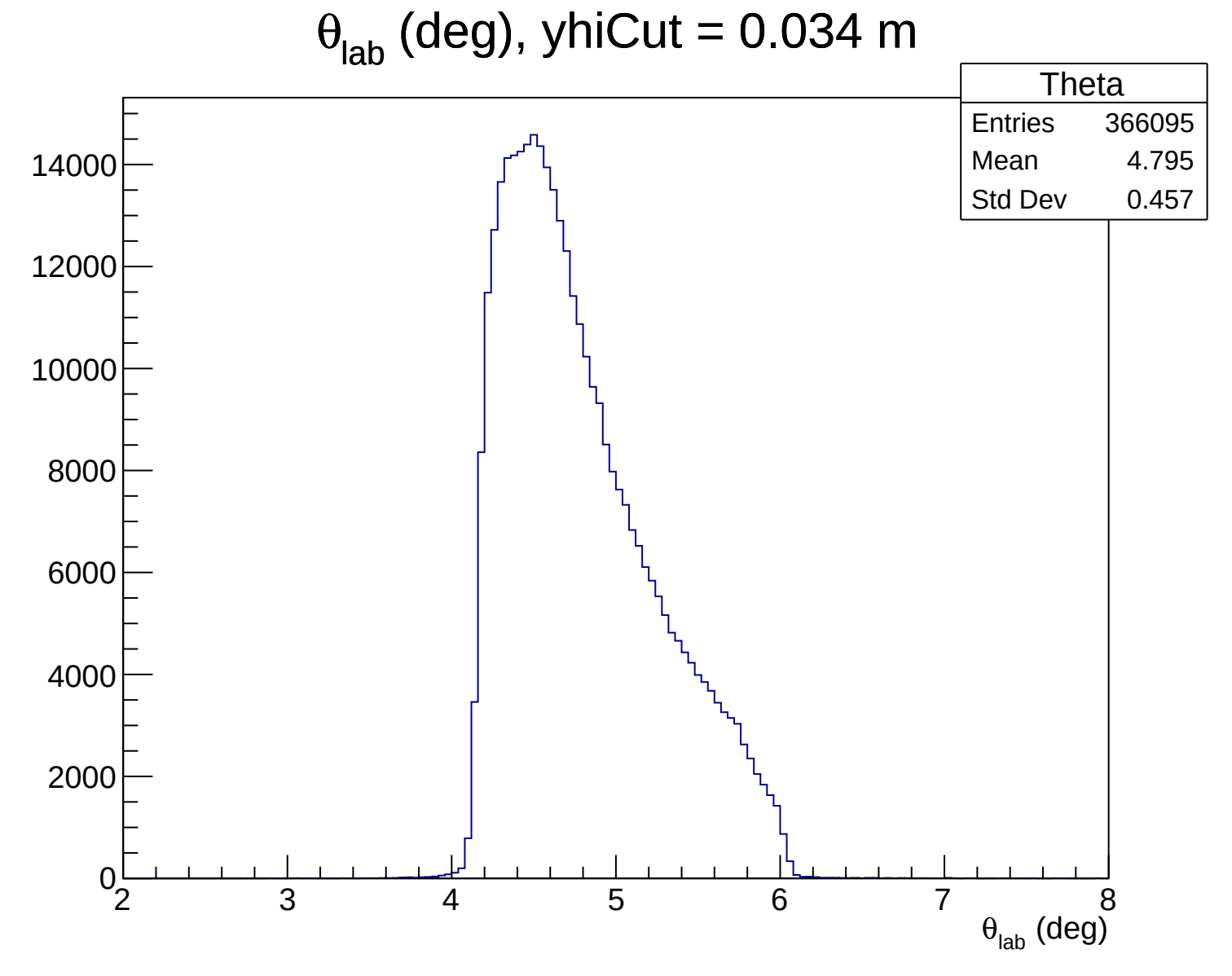

Sensitivity, yhiCut = 0.032 m
sens
Entries 365972
Mean 0.02235
Std Dev 0.003919
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

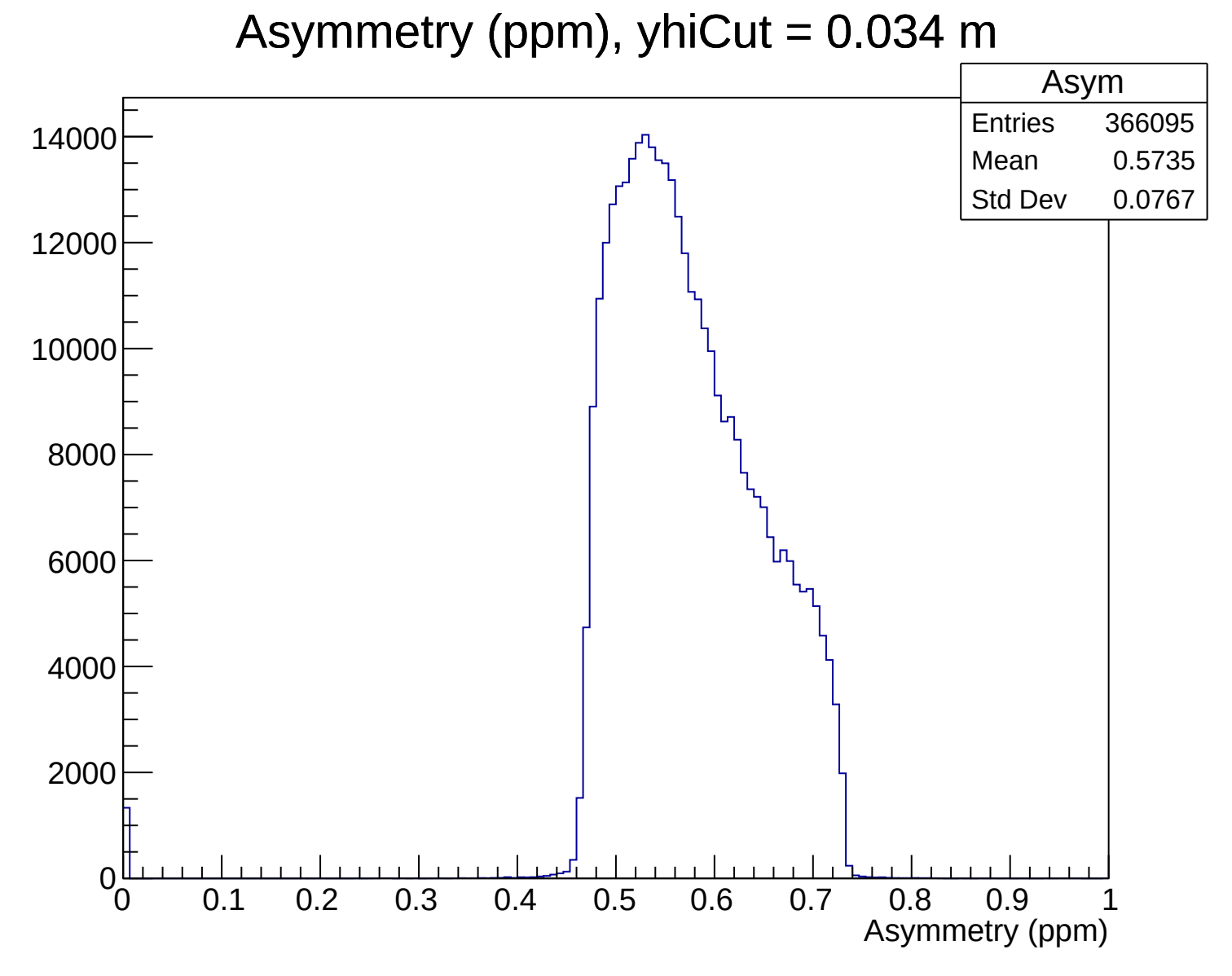

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

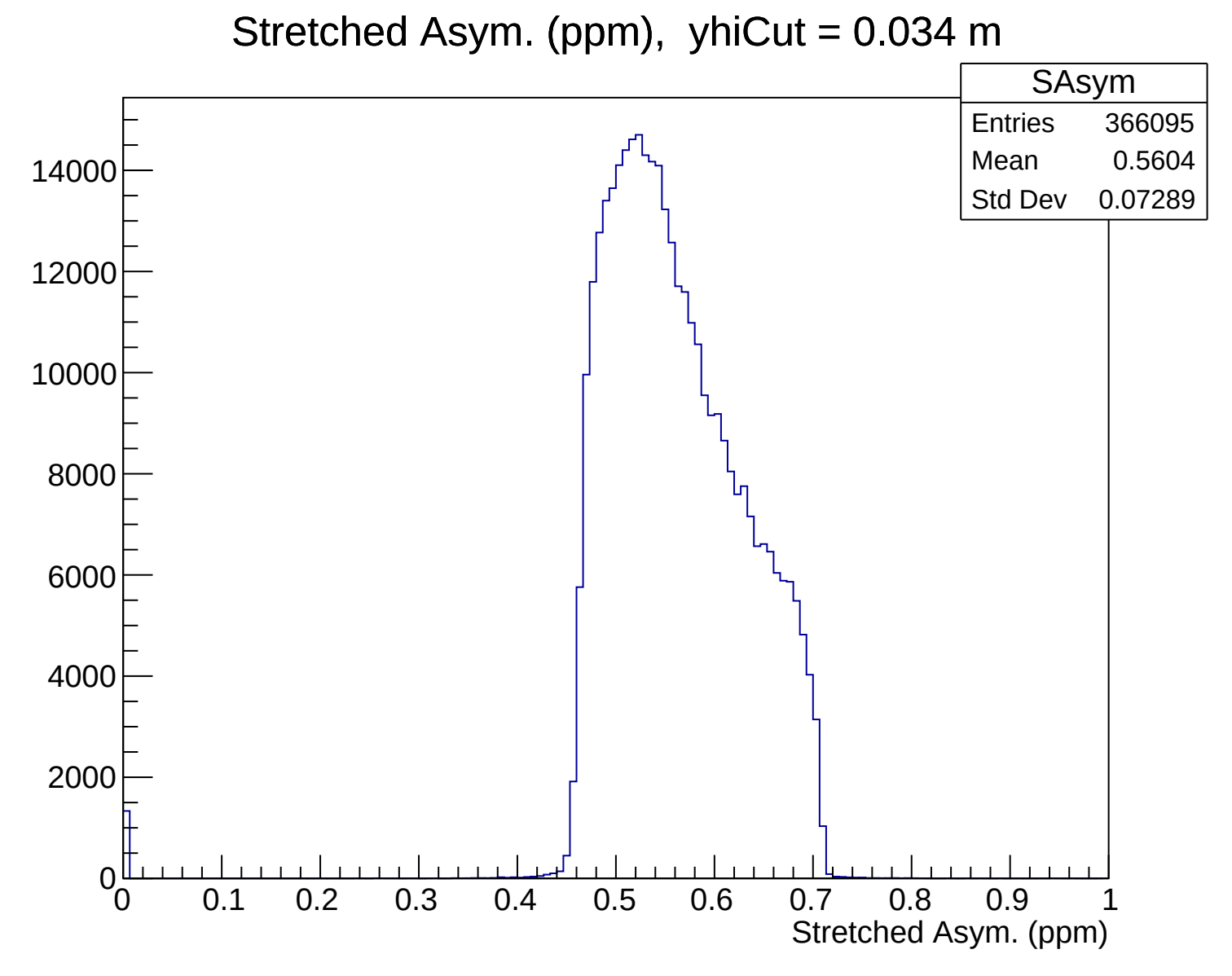

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.034
R.tr.y[0]+1.3*R.tr.ph[0] (m)

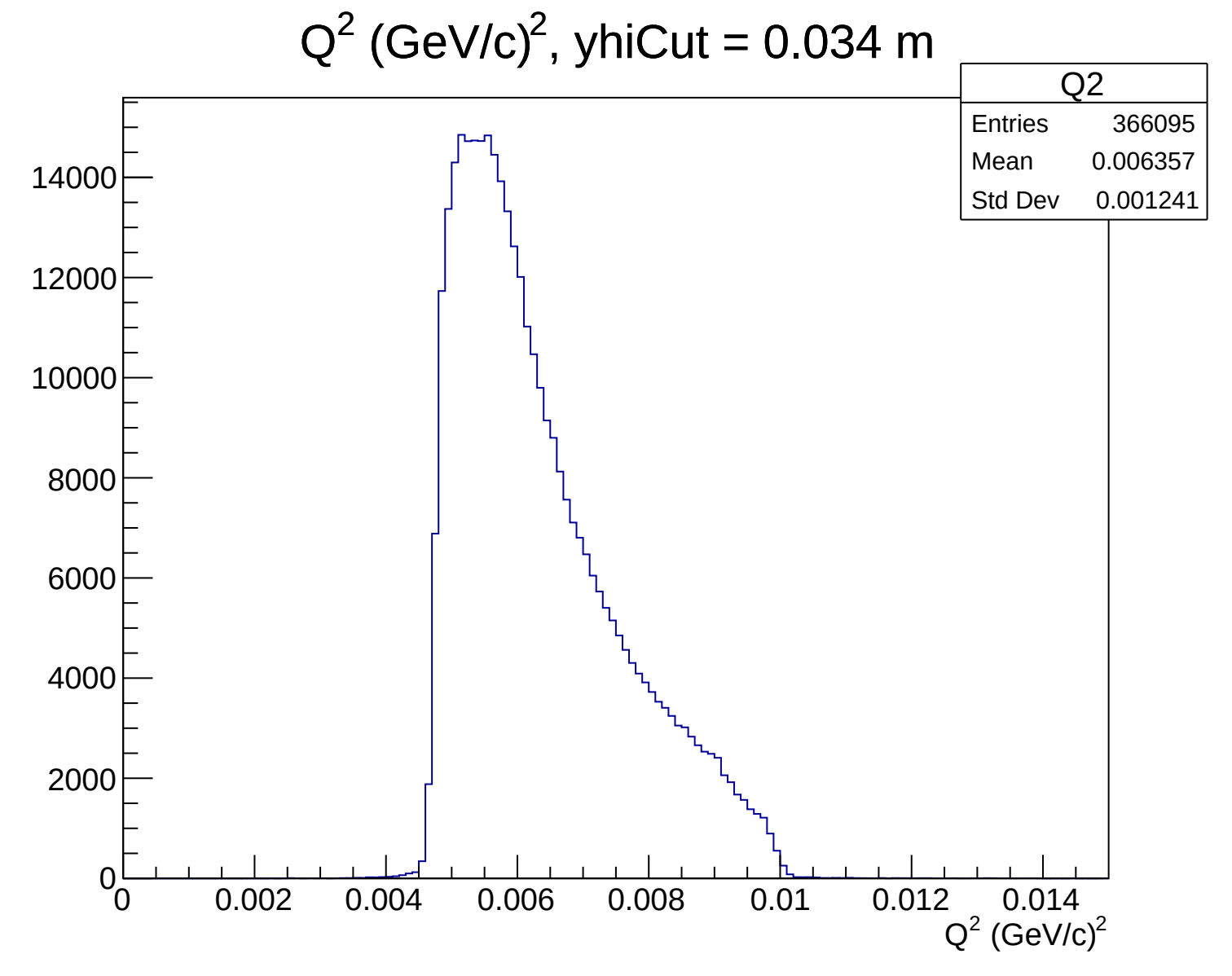

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

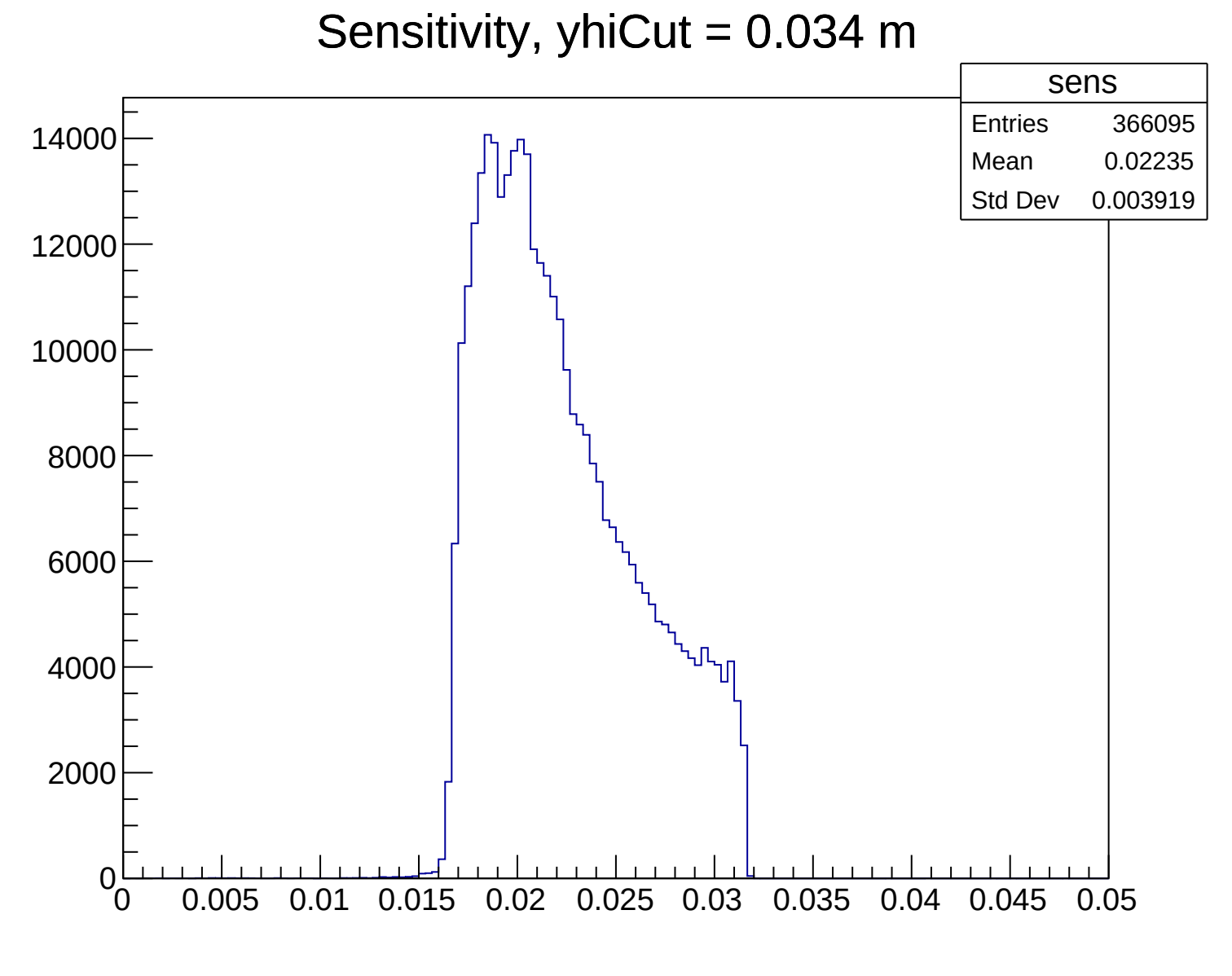

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

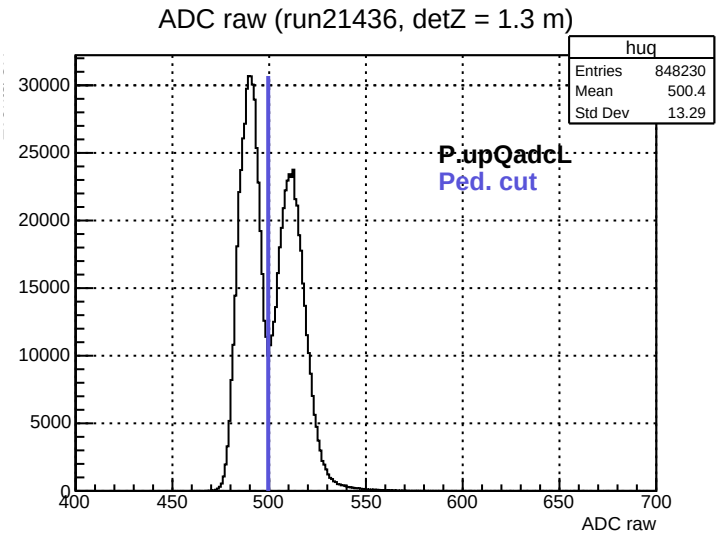

θlab (deg), yhiCut = 0.034 m
Theta
Entries 366095
Mean 4.795
Std Dev 0.457
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

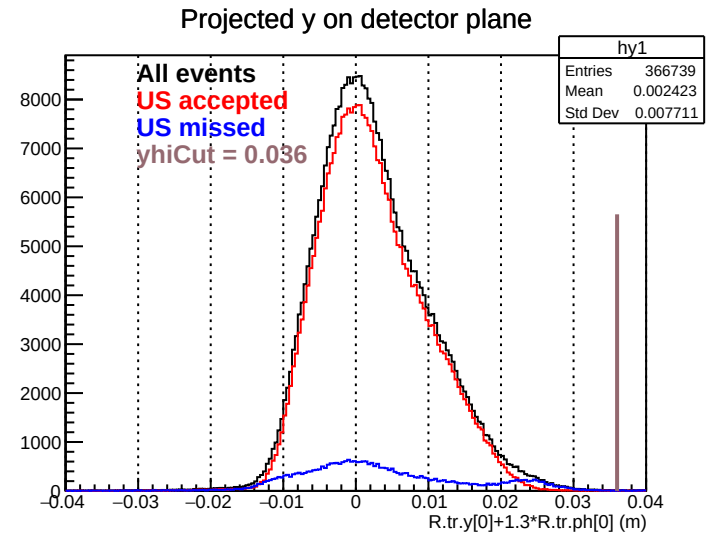

Asymmetry (ppm), yhiCut = 0.034 m
Asym
Entries 366095
Mean 0.5735
Std Dev 0.0767
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

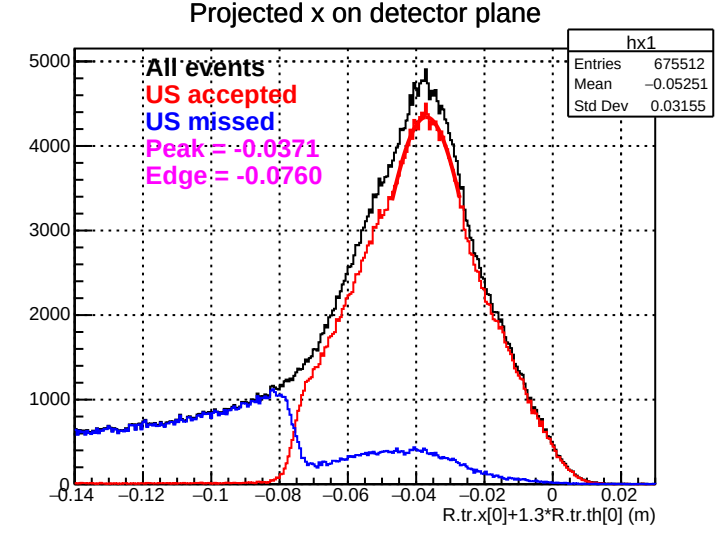

Stretched Asym. (ppm), yhiCut = 0.034 m
SAsym
Entries 366095
Mean 0.5604
Std Dev 0.07289
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

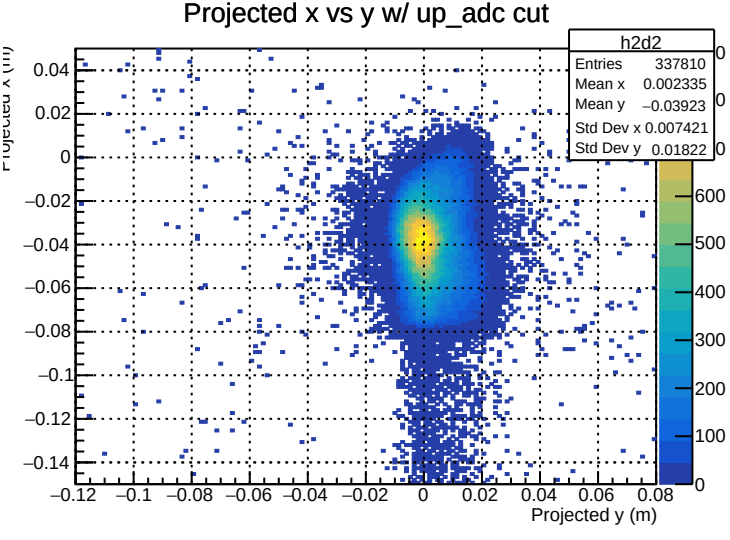

Q^2 (GeV/c)^2, yhiCut = 0.034 m
Q2
Entries 366095
Mean 0.006357
Std Dev 0.001241
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

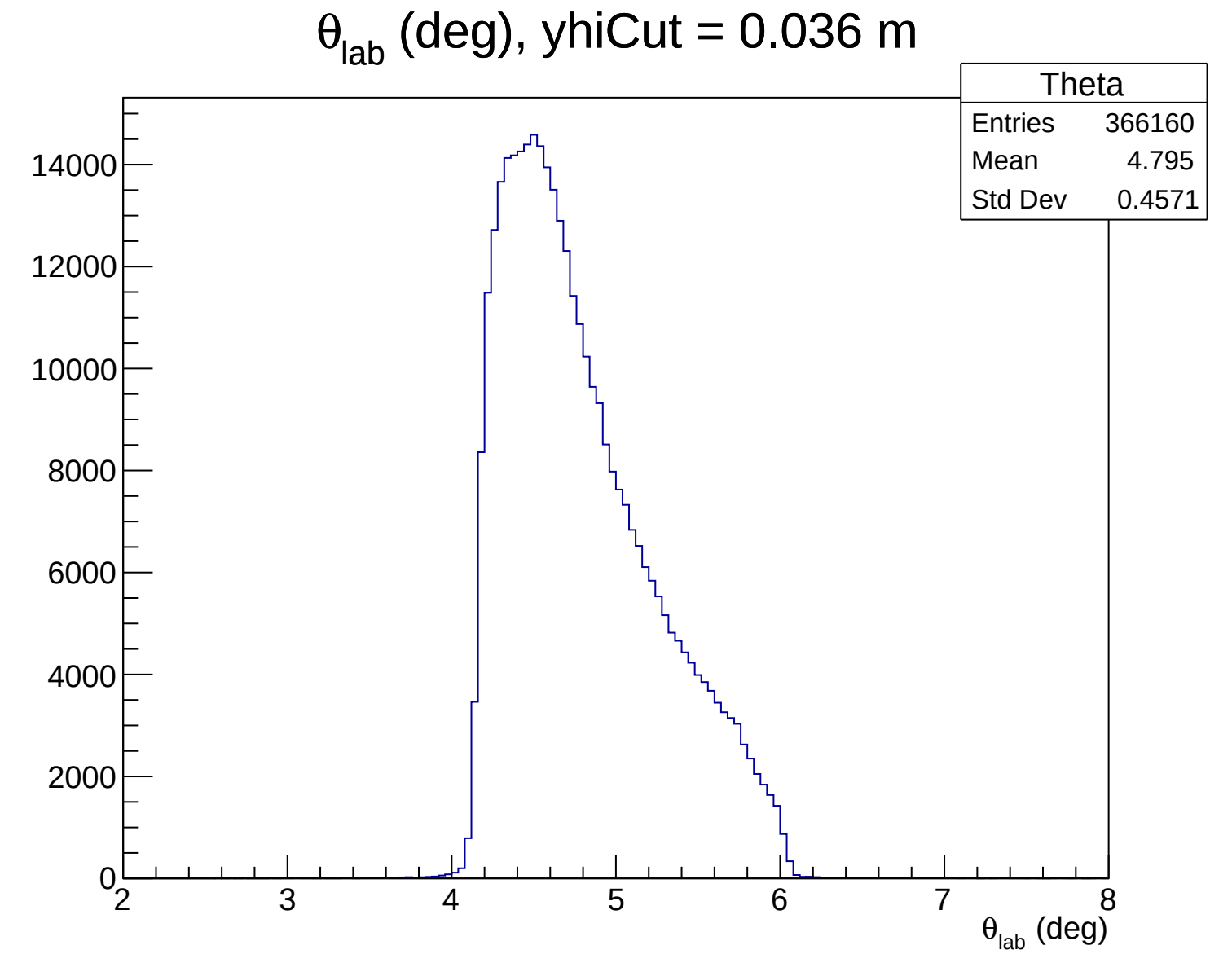

Sensitivity, yhiCut = 0.034 m
sens
Entries 366095
Mean 0.02235
Std Dev 0.003919
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

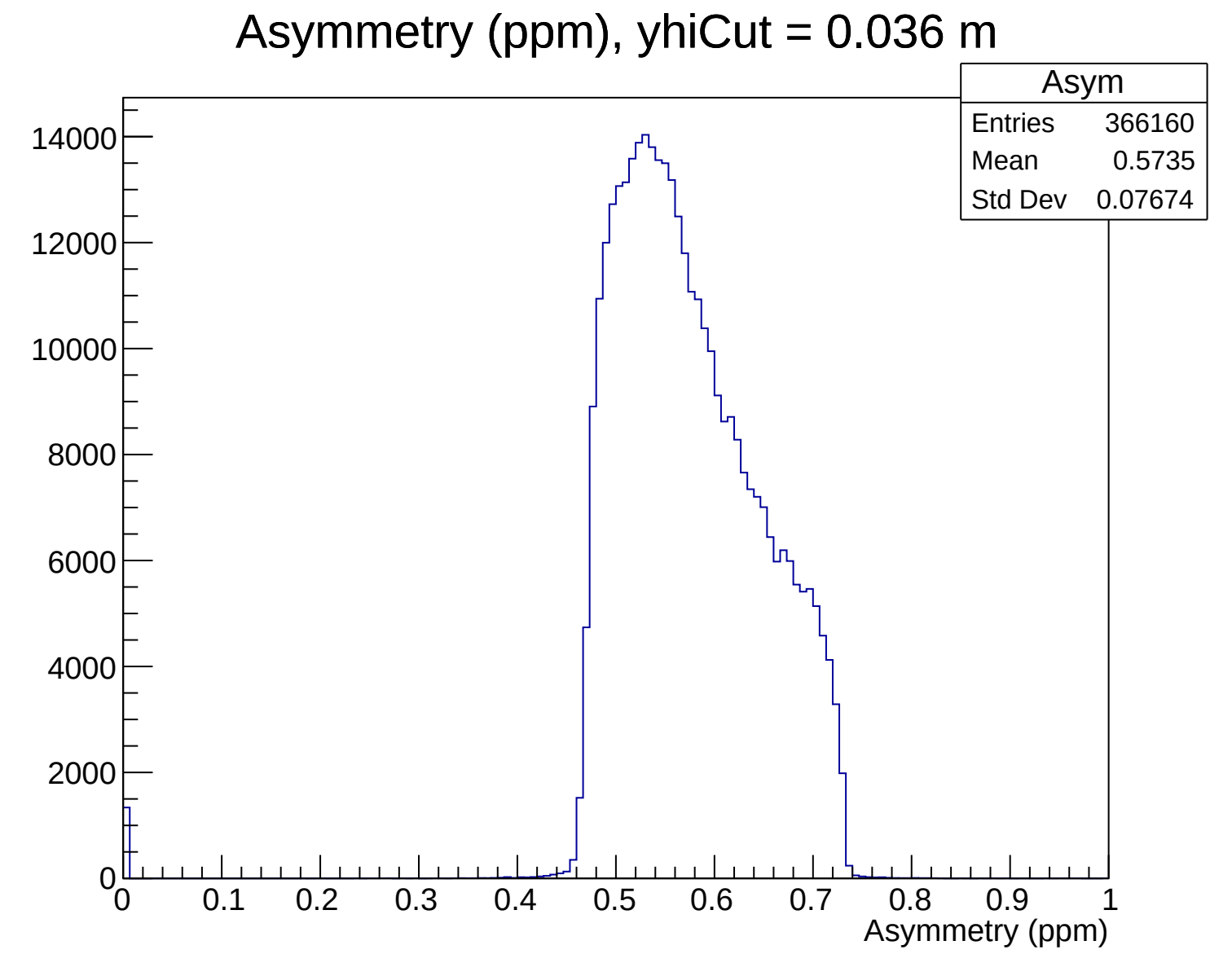

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

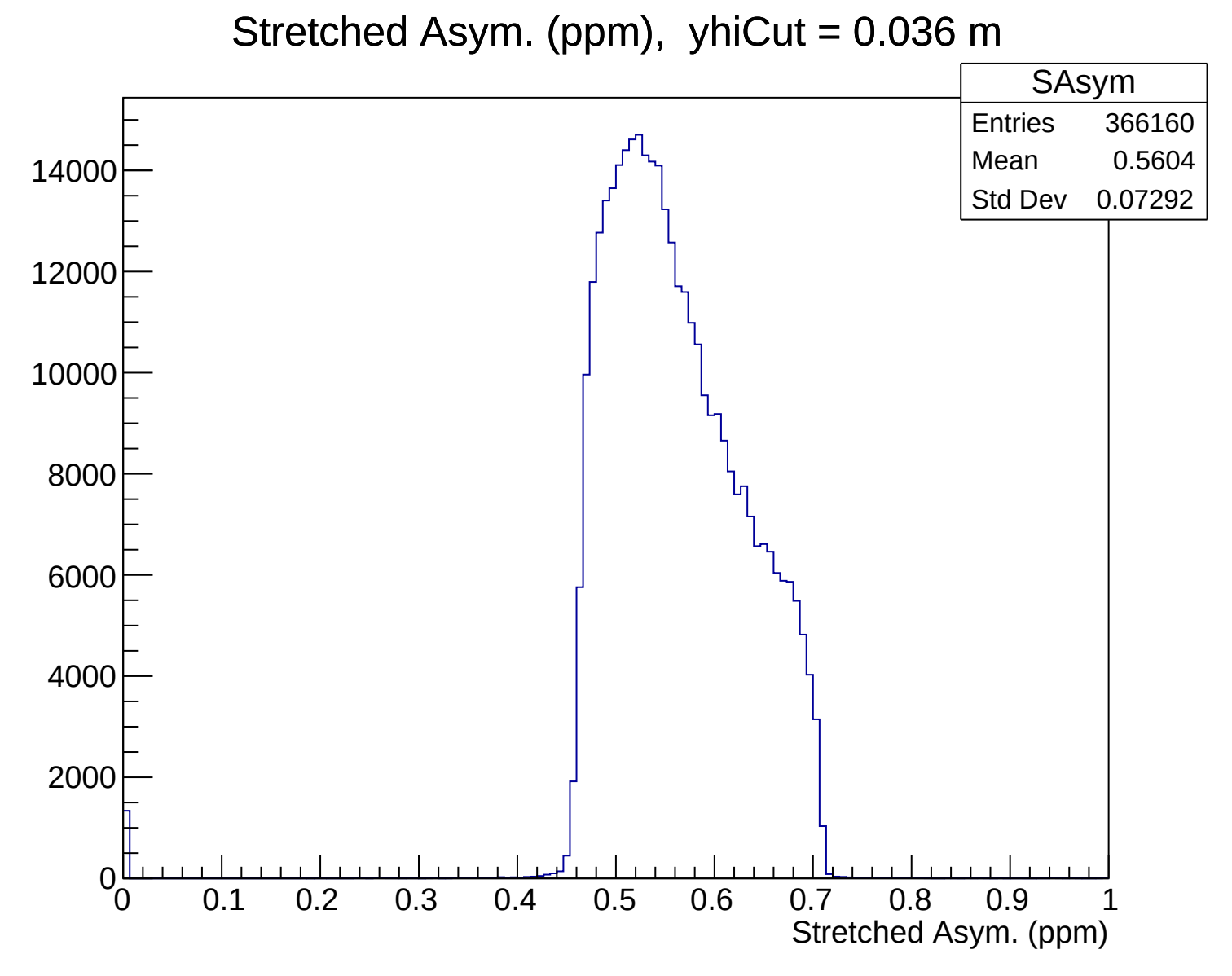

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.036
R.tr.y[0]+1.3*R.tr.ph[0] (m)

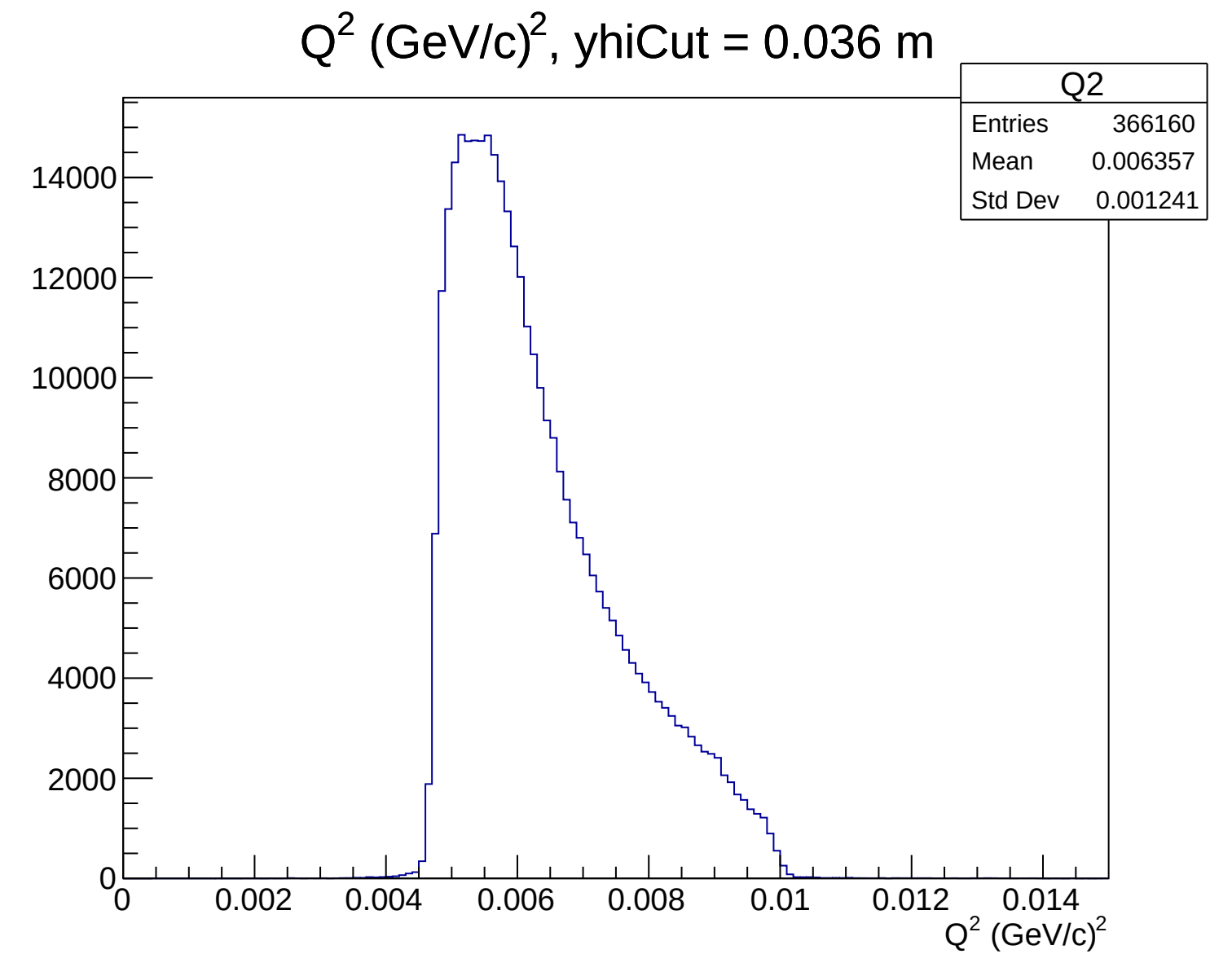

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

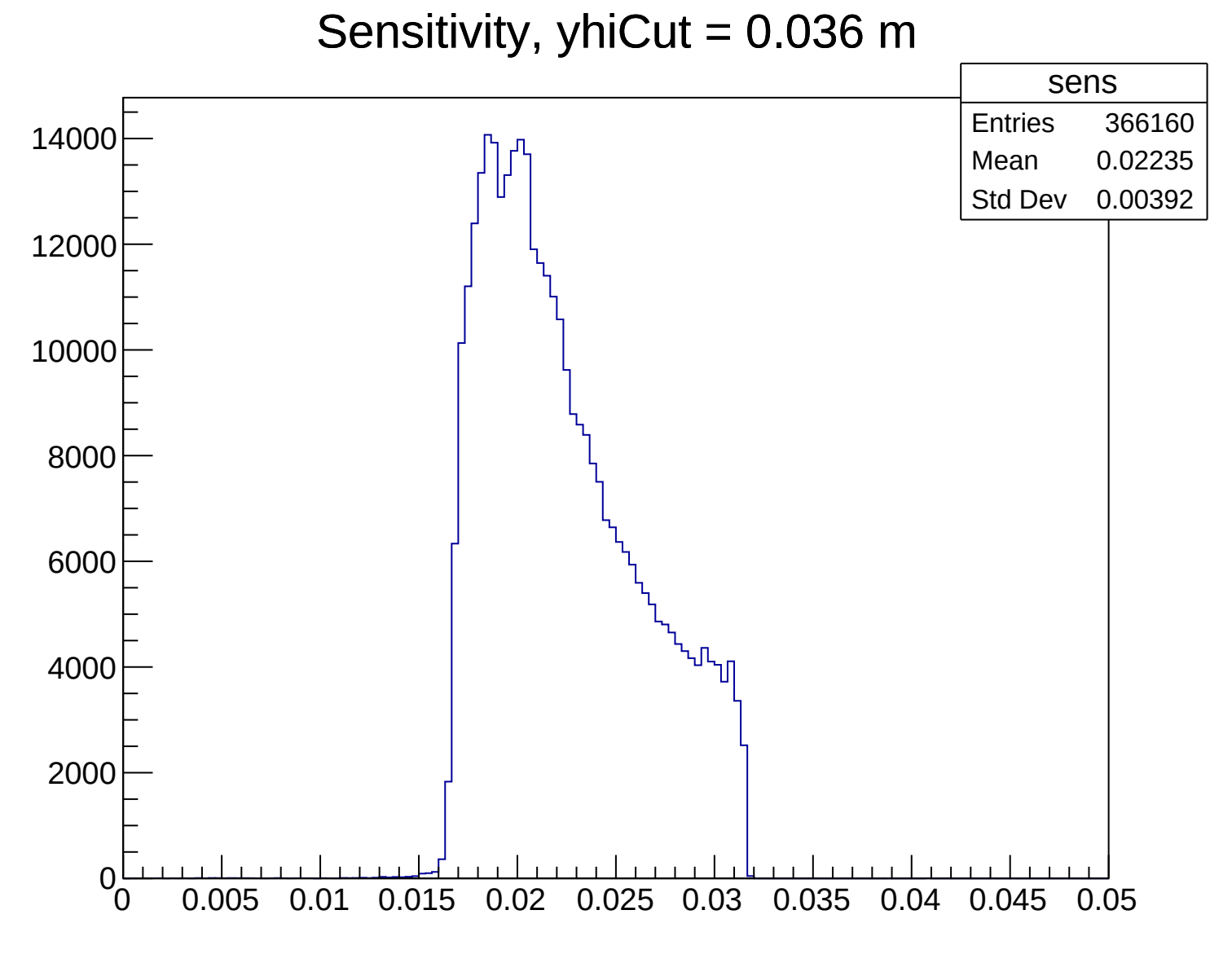

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

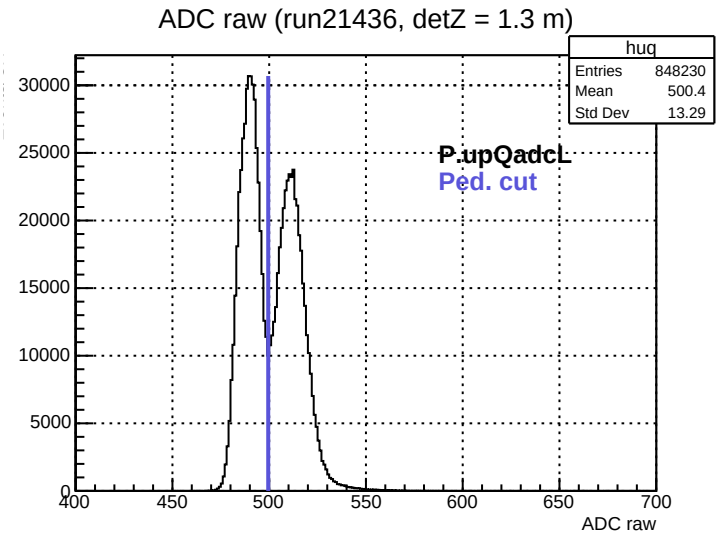

θlab (deg), yhiCut = 0.036 m
Theta
Entries 366160
Mean 4.795
Std Dev 0.4571
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

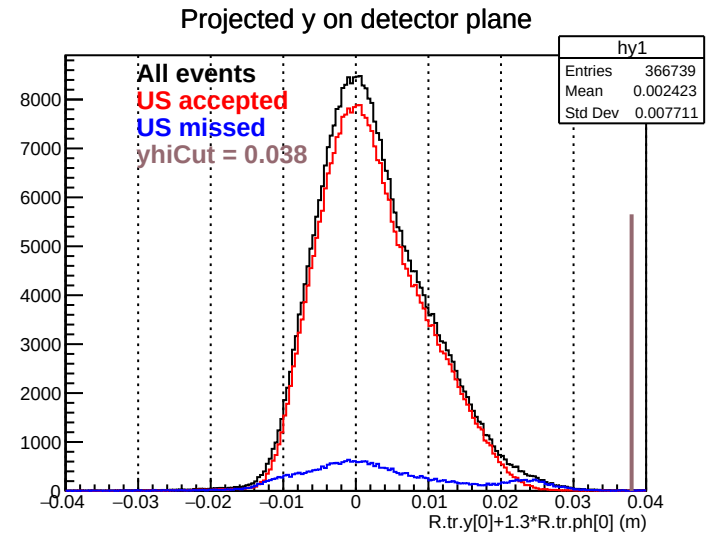

Asymmetry (ppm), yhiCut = 0.036 m
Asym
Entries 366160
Mean 0.5735
Std Dev 0.07674
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

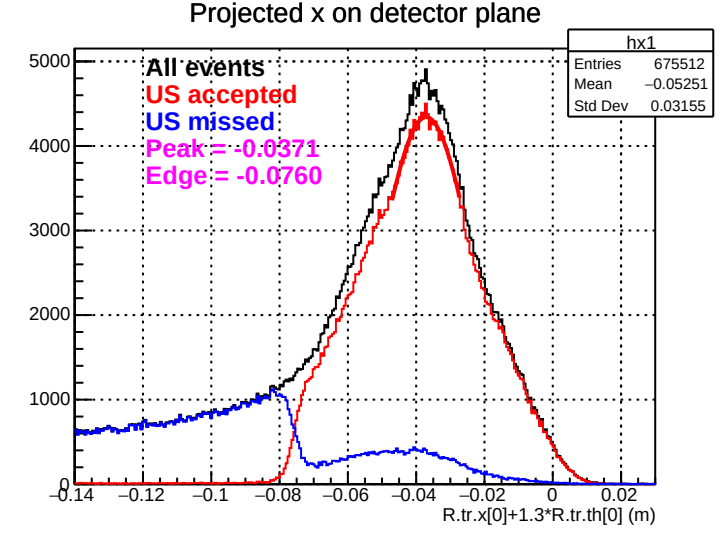

Stretched Asym. (ppm), yhiCut = 0.036 m
SAsym
Entries 366160
Mean 0.5604
Std Dev 0.07292
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

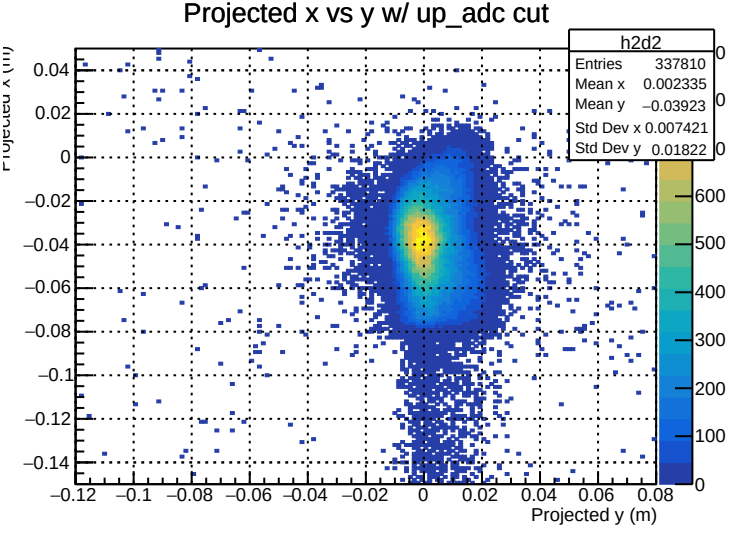

Q^2 (GeV/c)^2, yhiCut = 0.036 m
Q2
Entries 366160
Mean 0.006357
Std Dev 0.001241
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

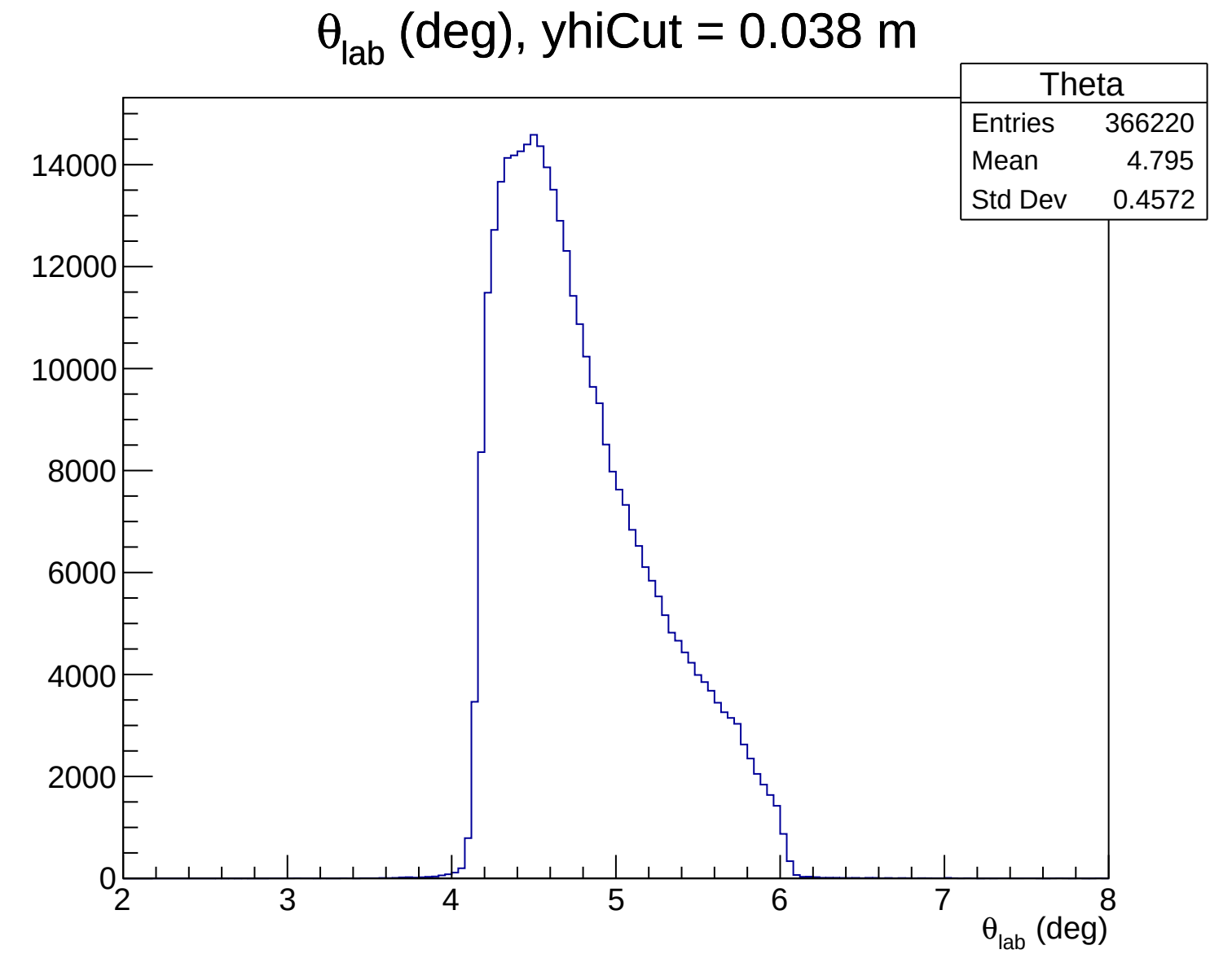

Sensitivity, yhiCut = 0.036 m
sens
Entries 366160
Mean 0.02235
Std Dev 0.00392
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

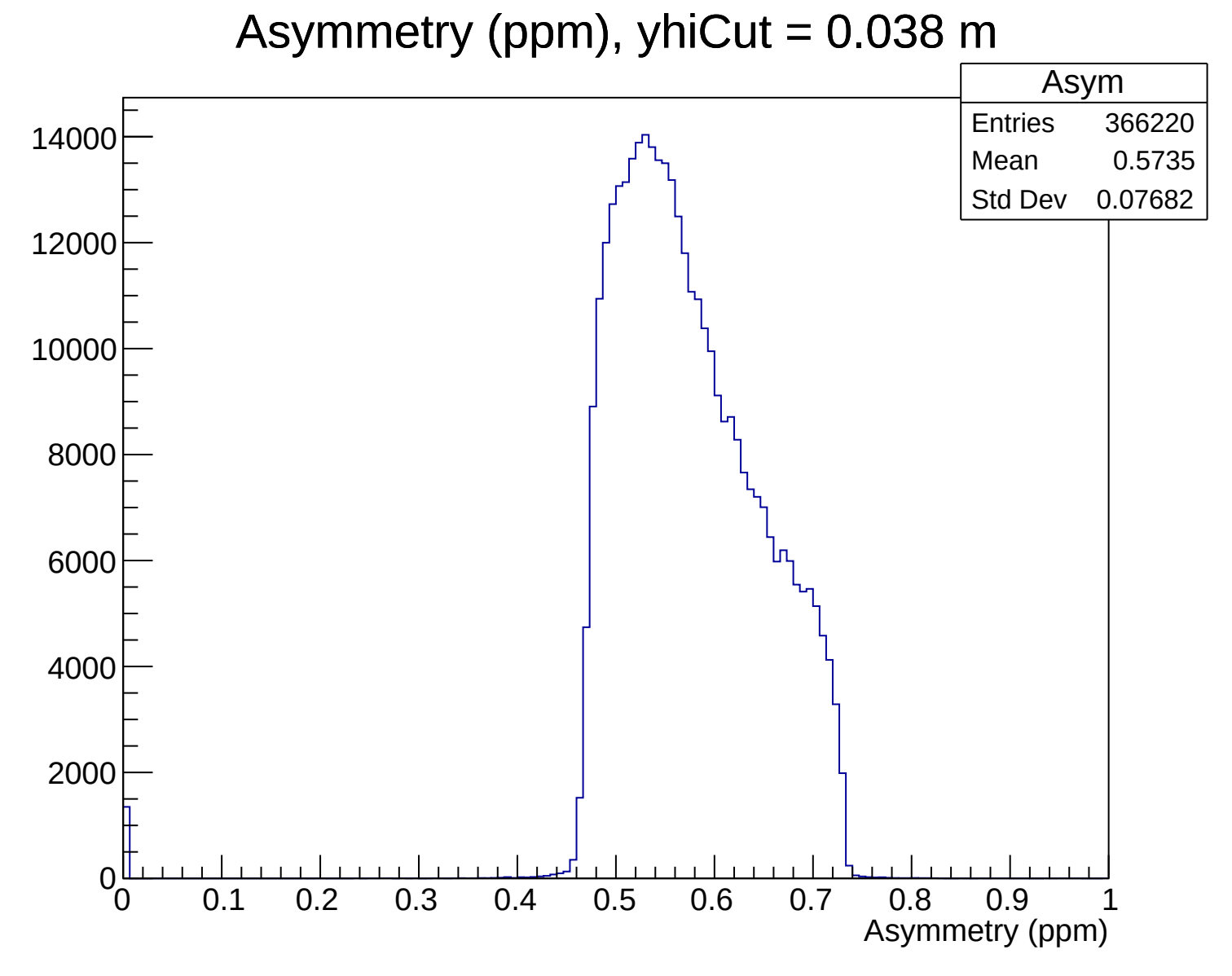

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

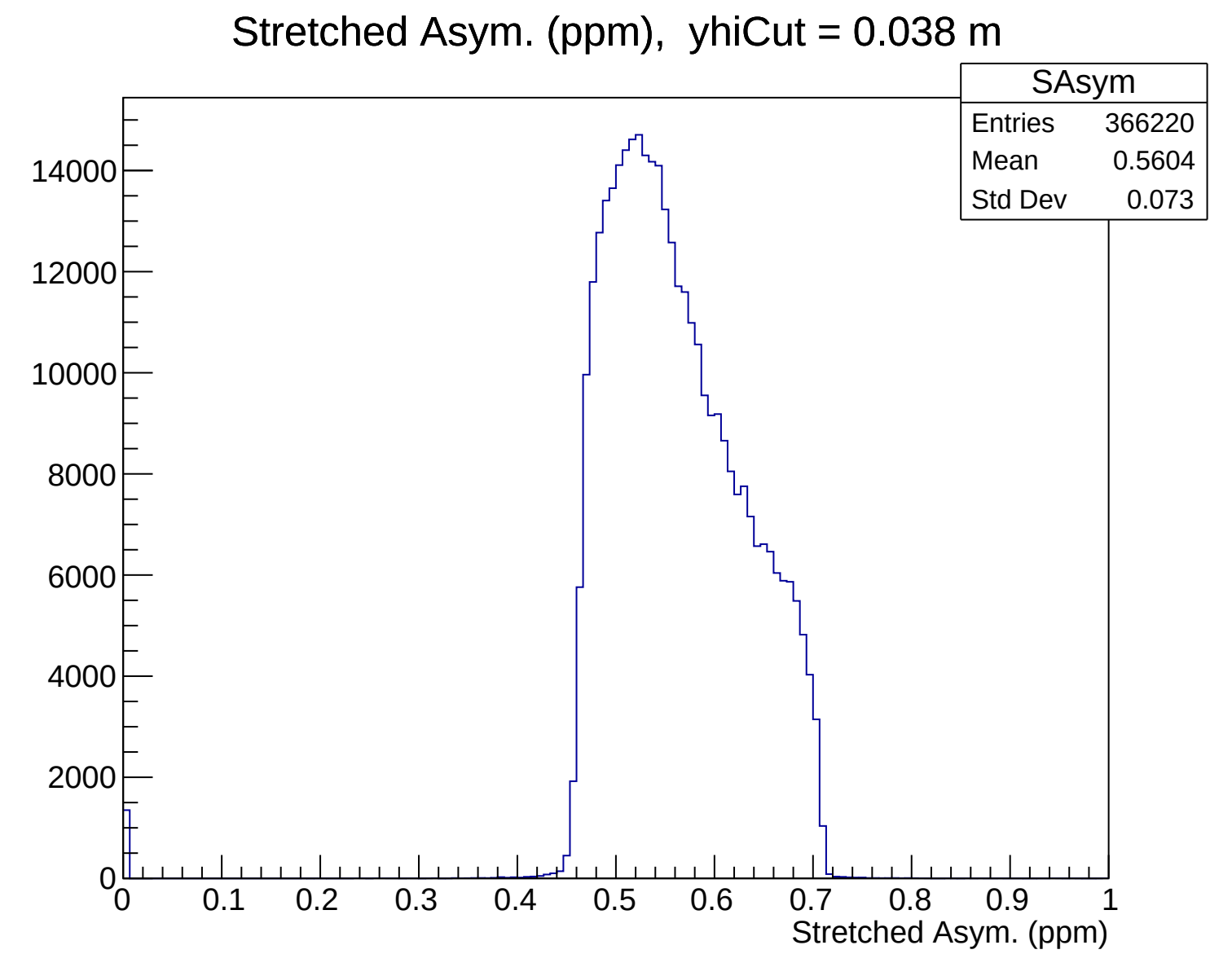

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.038
R.tr.y[0]+1.3*R.tr.ph[0] (m)

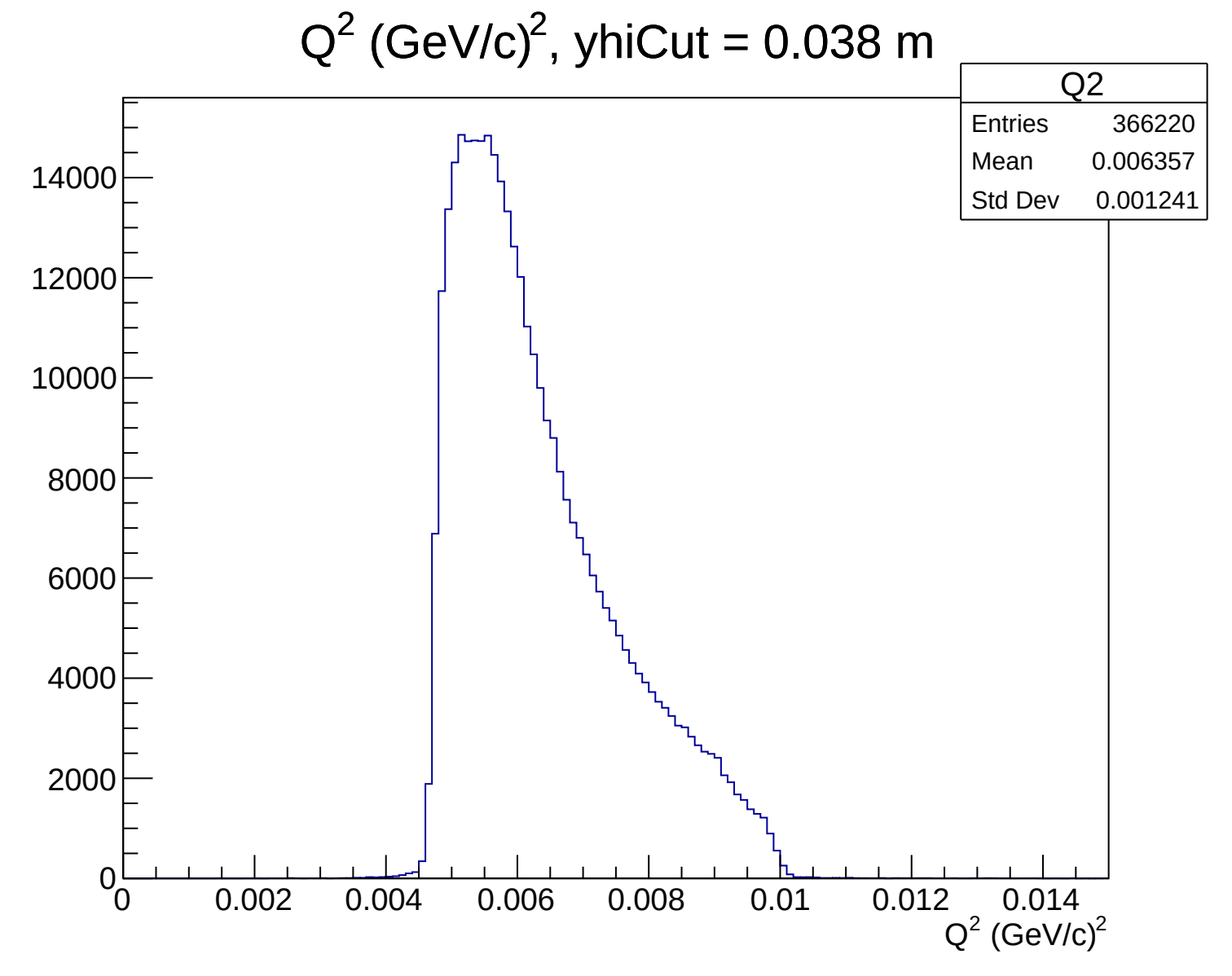

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

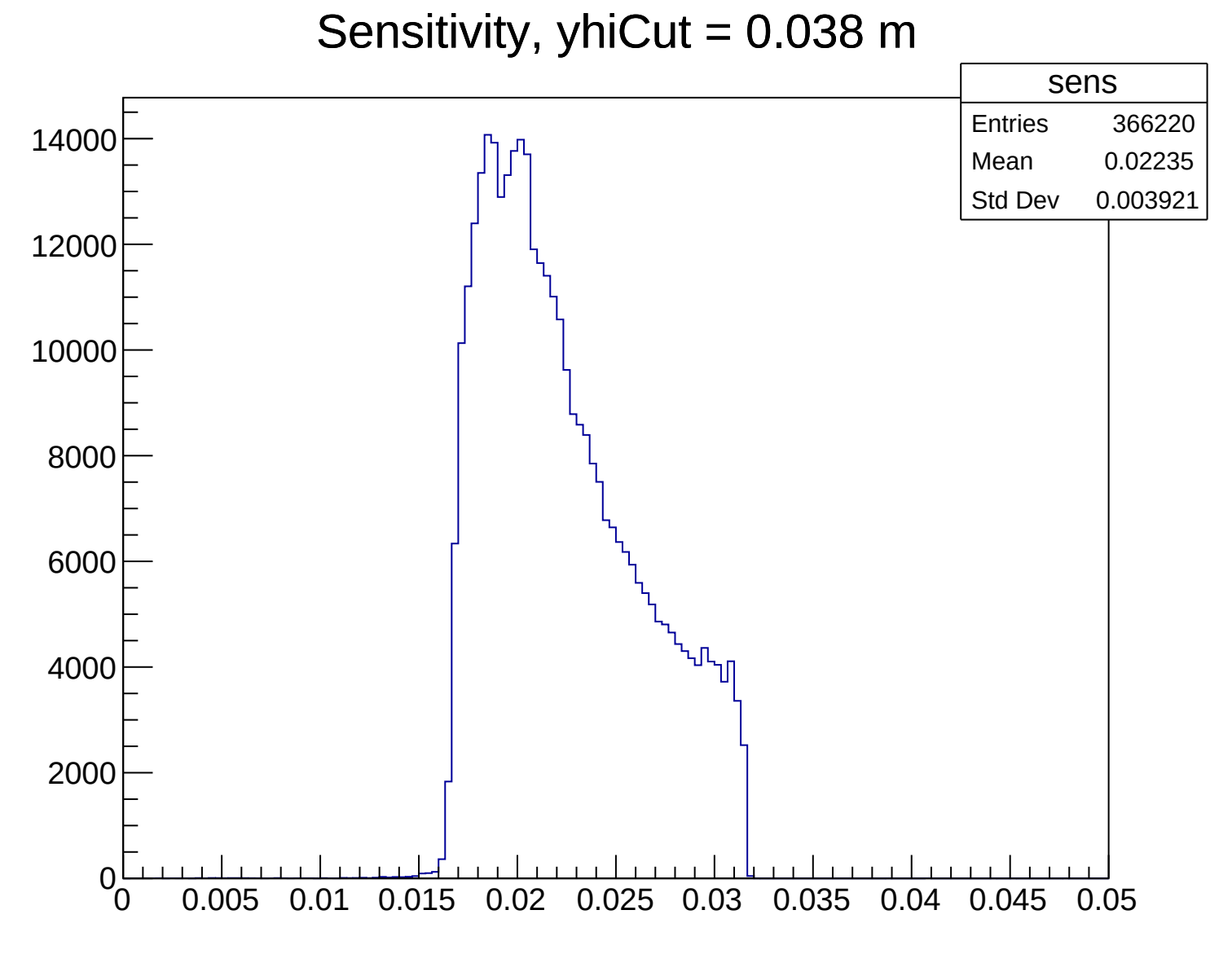

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)

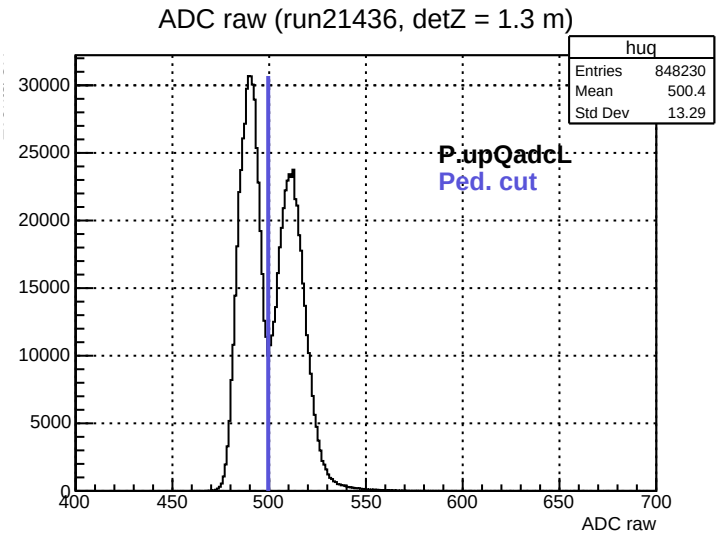

θlab (deg), yhiCut = 0.038 m
Theta
Entries 366220
Mean 4.795
Std Dev 0.4572
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

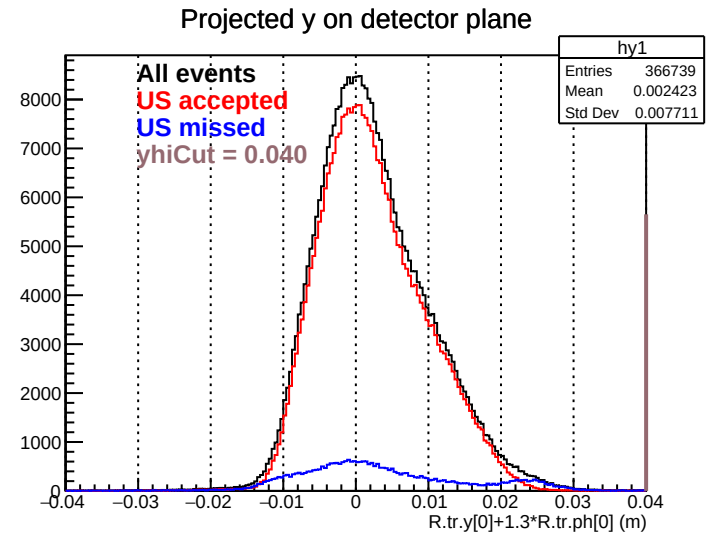

Asymmetry (ppm), yhiCut = 0.038 m
Asym
Entries 366220
Mean 0.5735
Std Dev 0.07682
14000
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

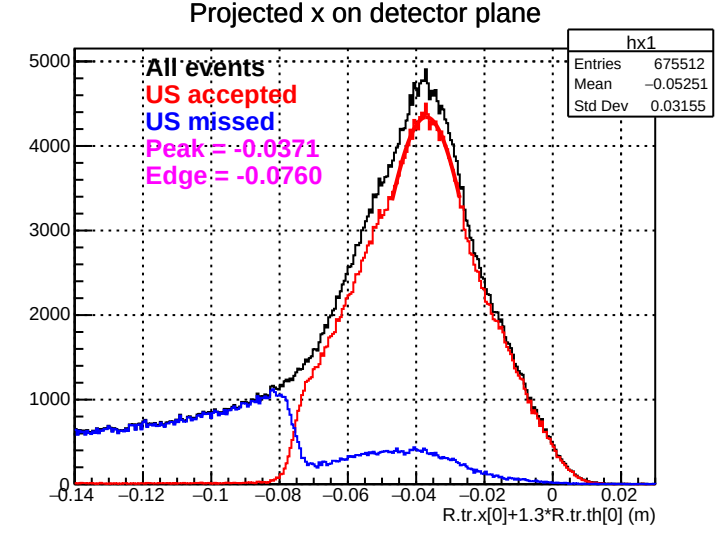

Stretched Asym. (ppm), yhiCut = 0.038 m
SAsym
Entries 366220
Mean 0.5604
Std Dev 0.073
14000
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

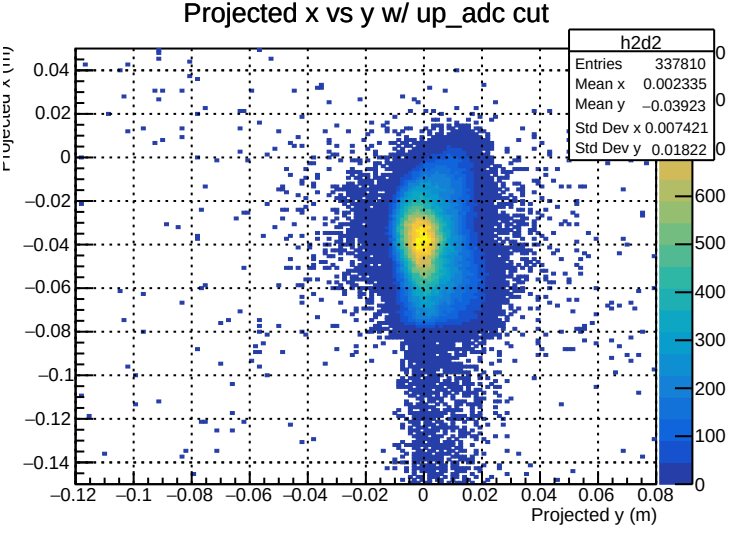

Q^2 (GeV/c)^2, yhiCut = 0.038 m
Q2
Entries 366220
Mean 0.006357
Std Dev 0.001241
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

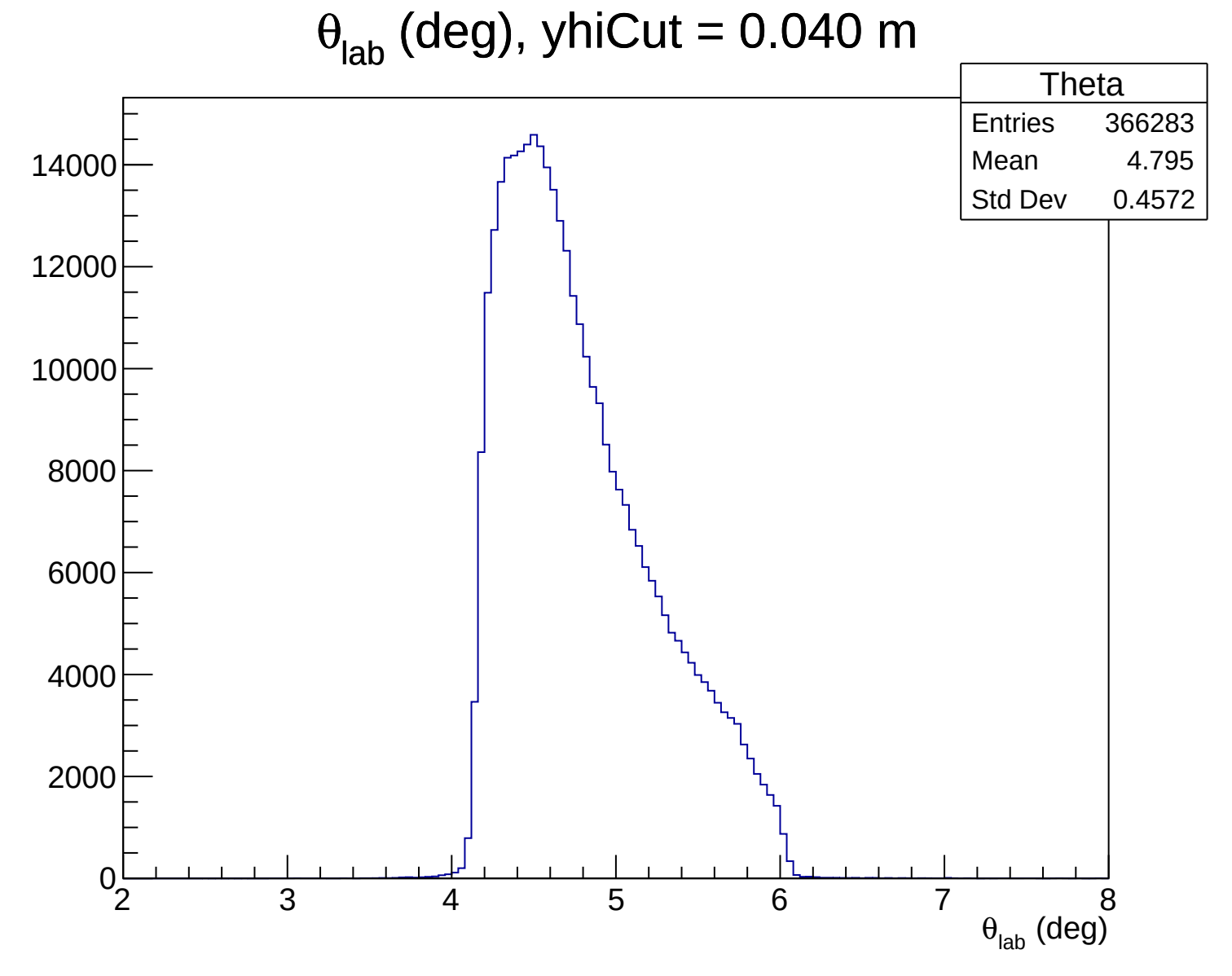

Sensitivity, yhiCut = 0.038 m
sens
Entries 366220
Mean 0.02235
Std Dev 0.003921
14000
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

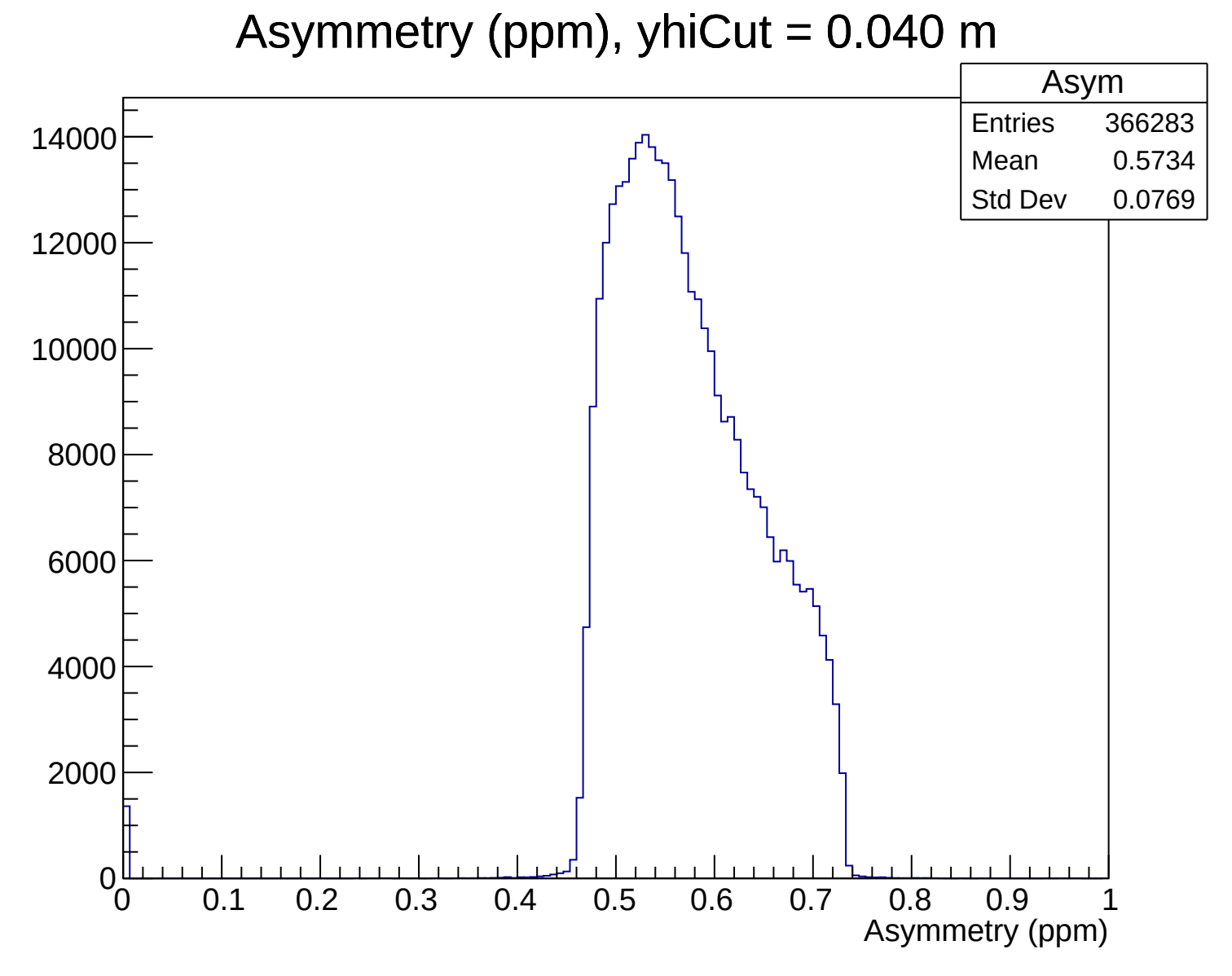

ADC raw (run21436, detZ = 1.3 m)
huq
Entries 848230
Mean 500.4
Std Dev 13.29
P.upQadcL
Ped. cut
ADC raw

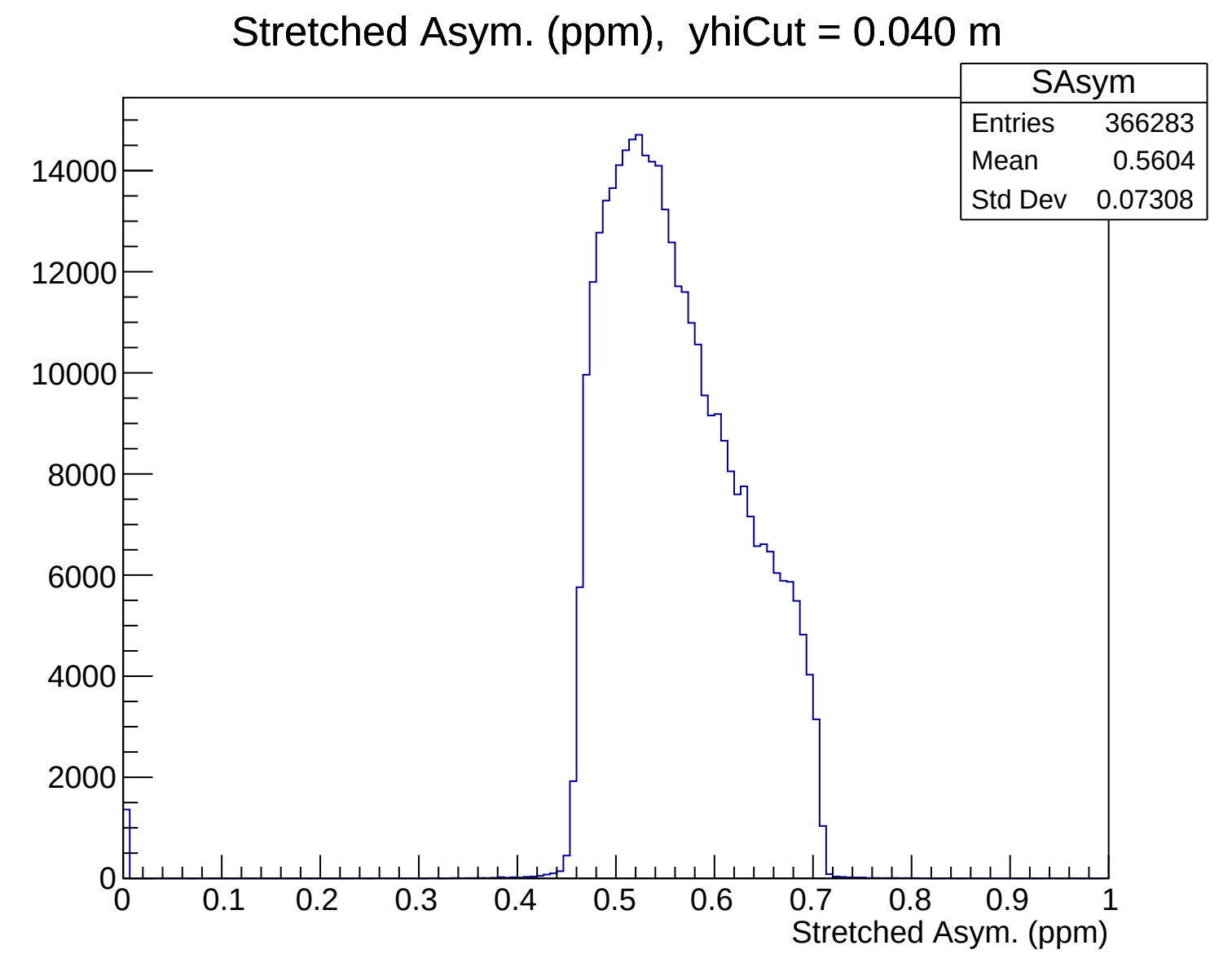

Projected y on detector plane
hy1
Entries 366739
Mean 0.002423
Std Dev 0.007711
All events
US accepted
US missed
yhiCut = 0.040
R.tr.y[0]+1.3*R.tr.ph[0] (m)

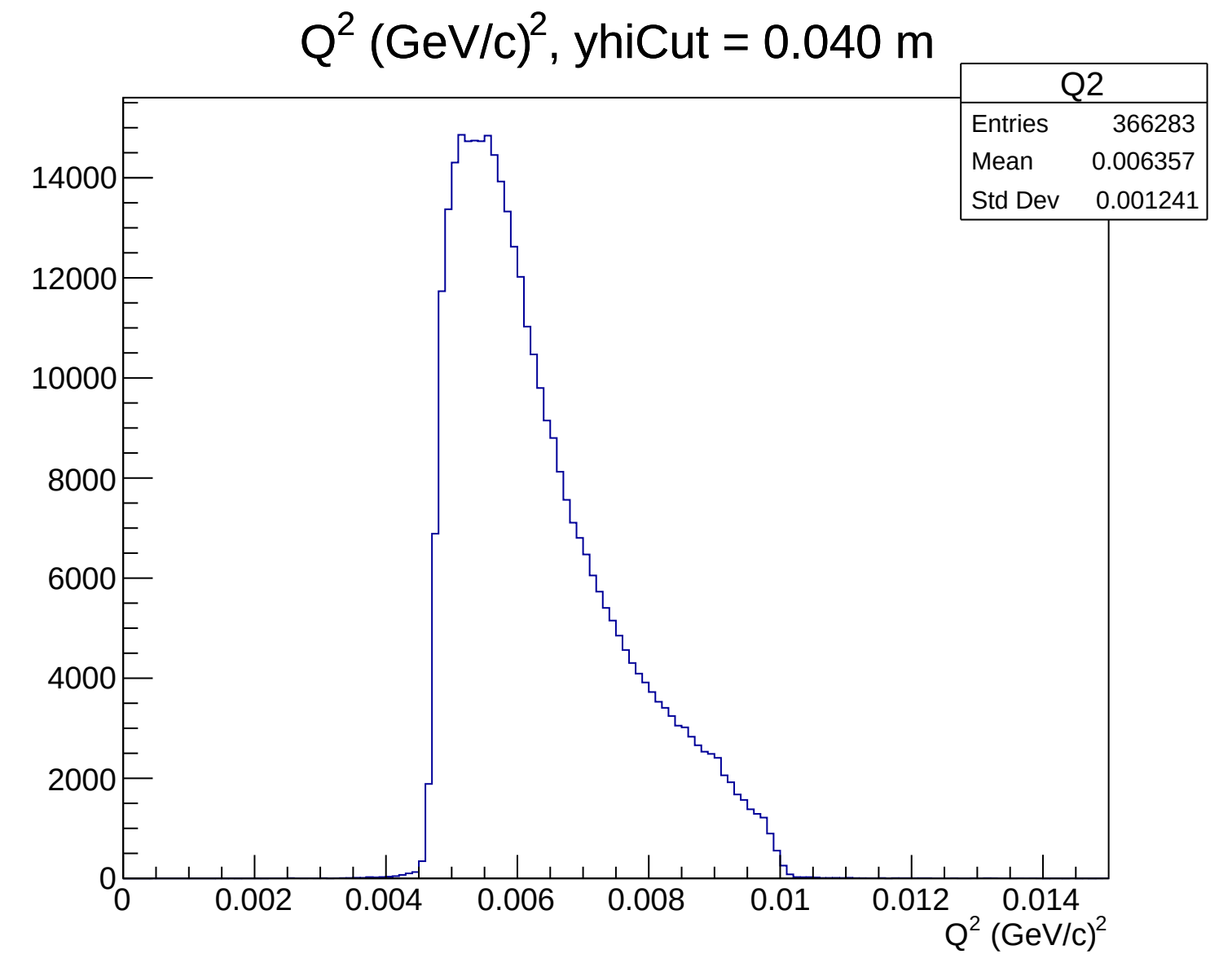

Projected x on detector plane
hx1
Entries 675512
Mean −0.05251
Std Dev 0.03155
All events
US accepted
US missed
Peak = -0.0371
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

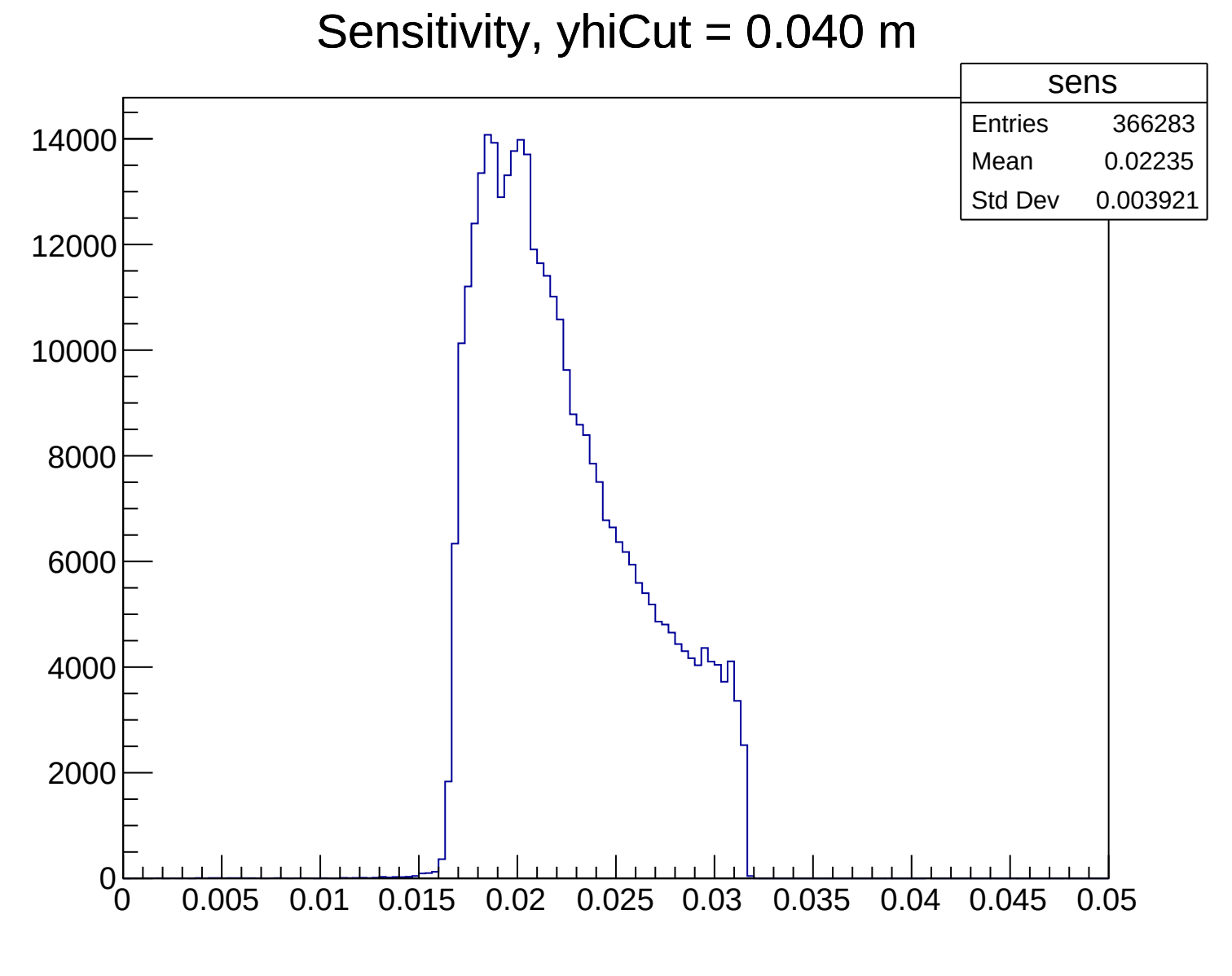

Projected x vs y w/ up_adc cut
h2d2
Entries 337810
Mean x 0.002335
Mean y −0.03923
Std Dev x 0.007421
Std Dev y 0.01822
Projected y (m)


θlab (deg), yhiCut = 0.040 m
Theta
Entries 366283
Mean 4.795
Std Dev 0.4572
14000
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yhiCut = 0.040 m
Asym
Entries 366283
Mean 0.5734
Std Dev 0.0769
14000
12000
10000
8000
6000
4000
2000
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), yhiCut = 0.040 m
SAsym
Entries 366283
Mean 0.5604
Std Dev 0.07308
14000
12000
10000
8000
6000
4000
2000
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, yhiCut = 0.040 m
Q2
Entries 366283
Mean 0.006357
Std Dev 0.001241
14000
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, yhiCut = 0.040 m
sens
Entries 366283
Mean 0.02235
Std Dev 0.003921
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