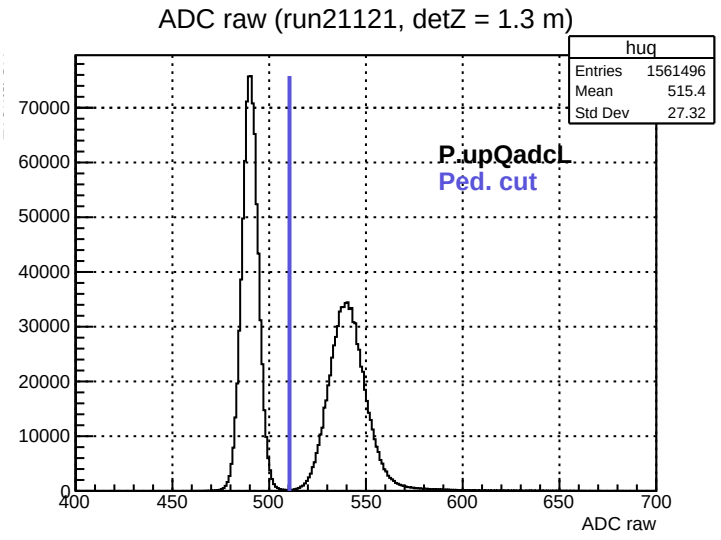
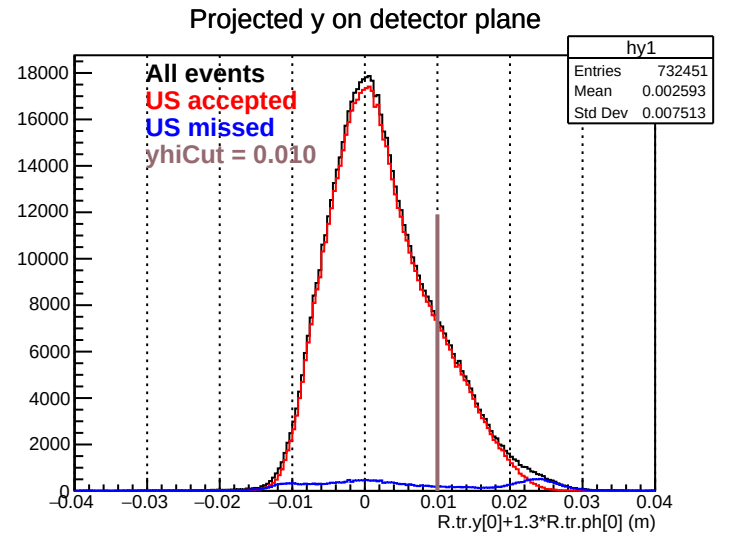
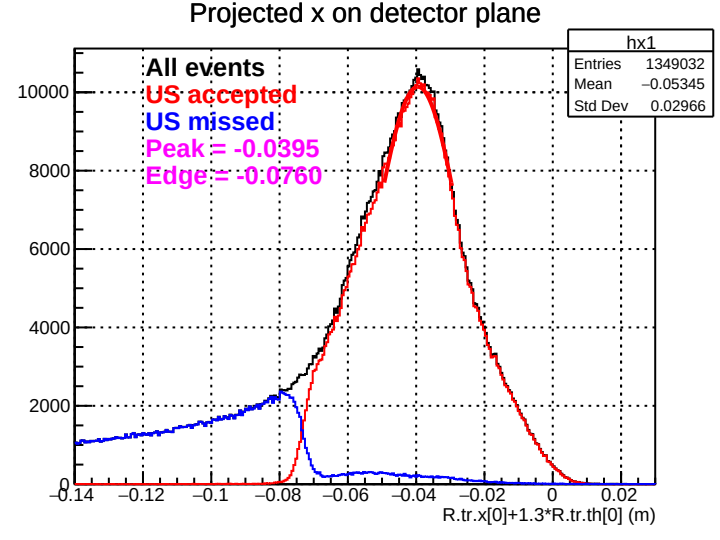
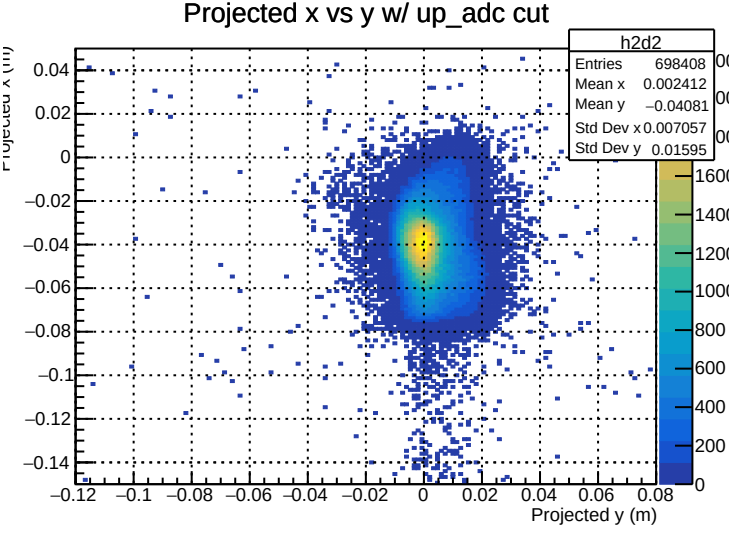
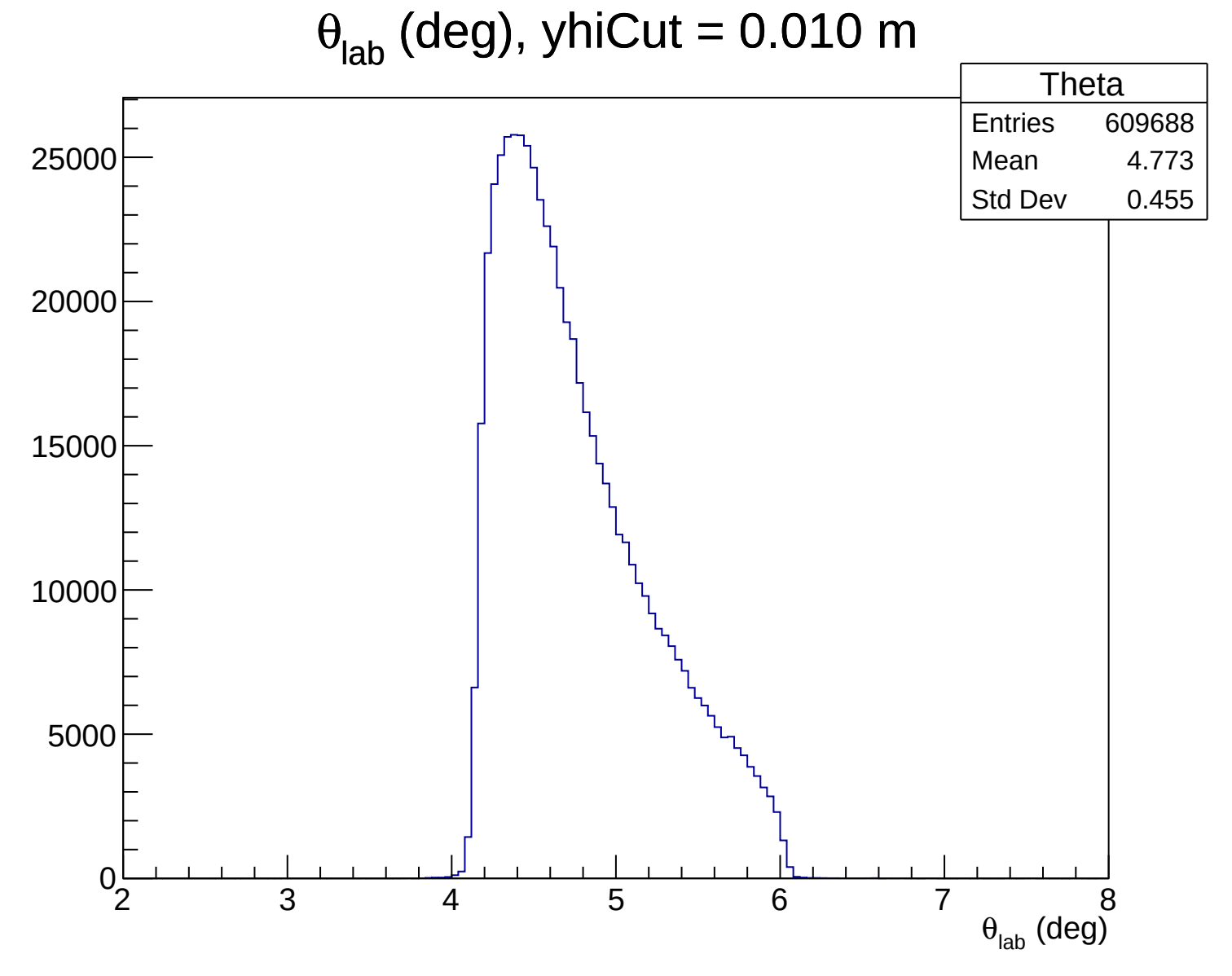
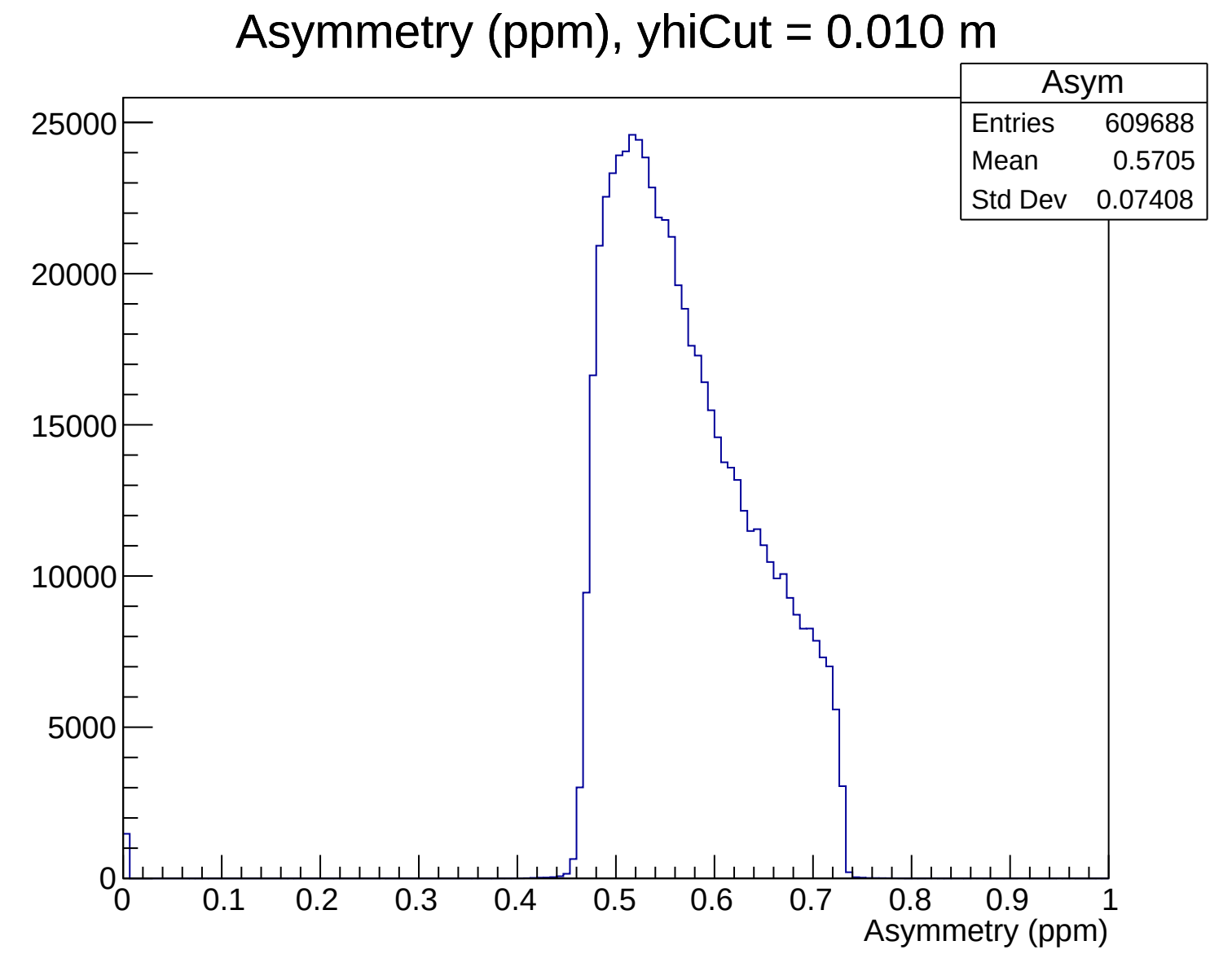

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

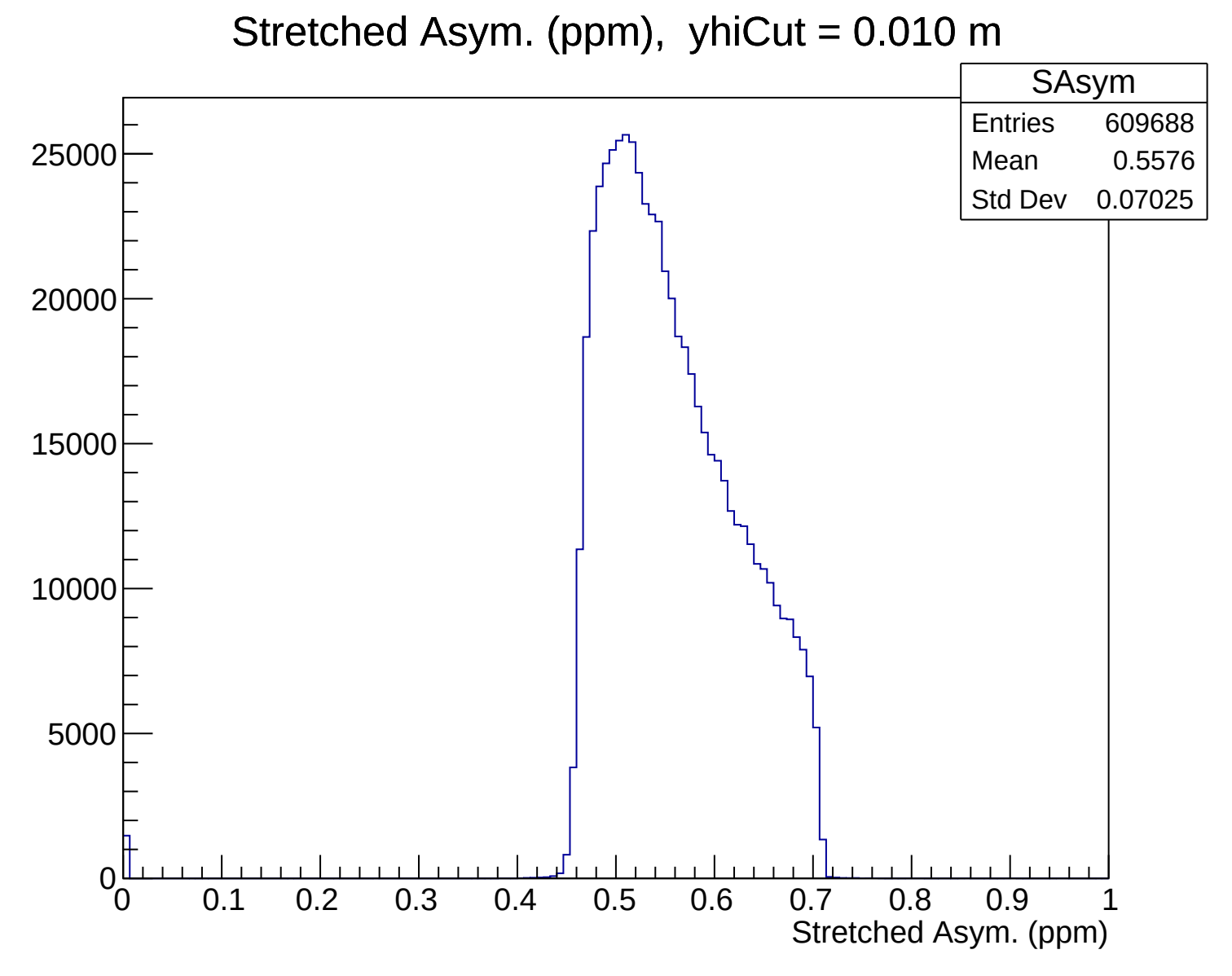

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.010
R.tr.y[0]+1.3*R.tr.ph[0] (m)

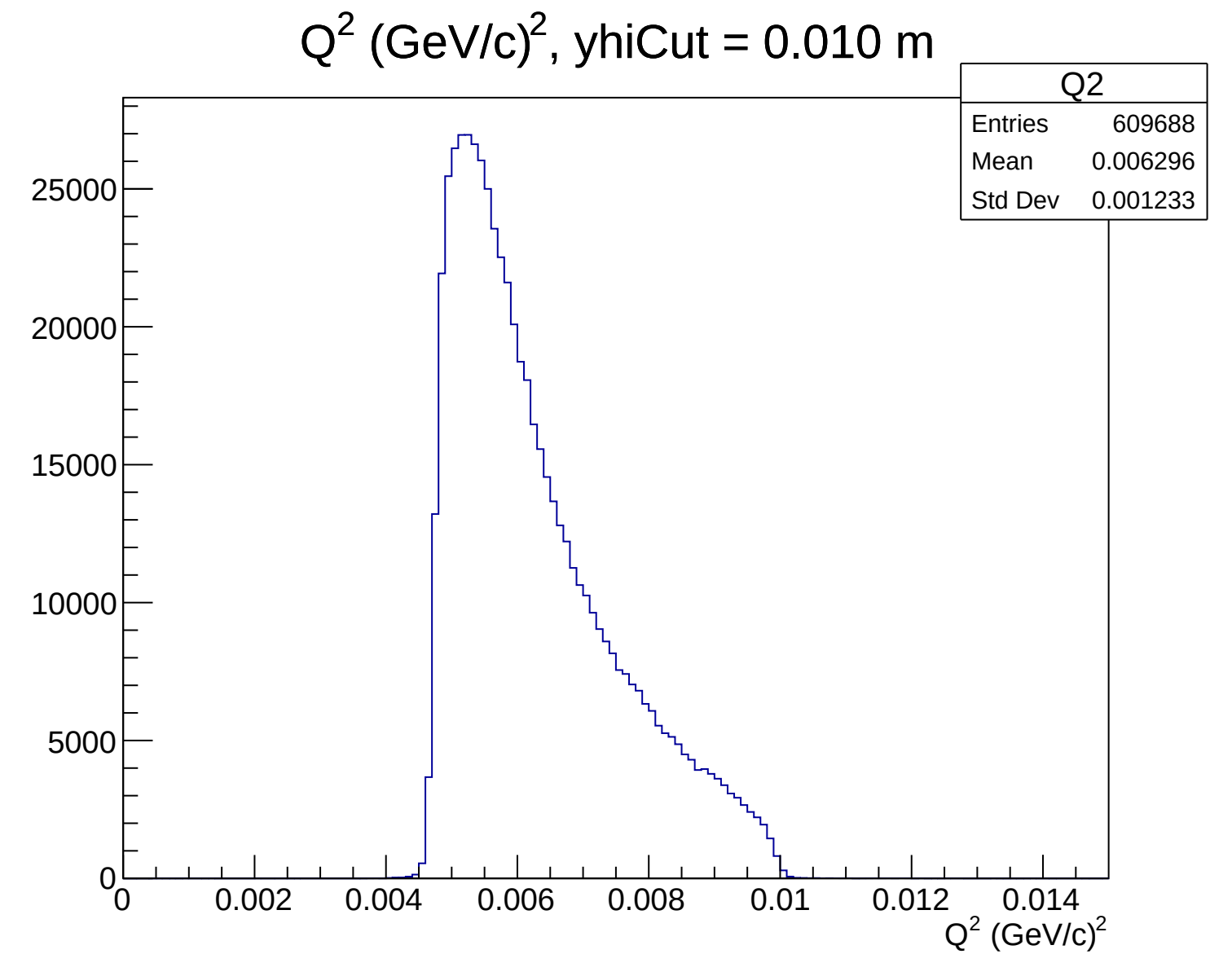

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

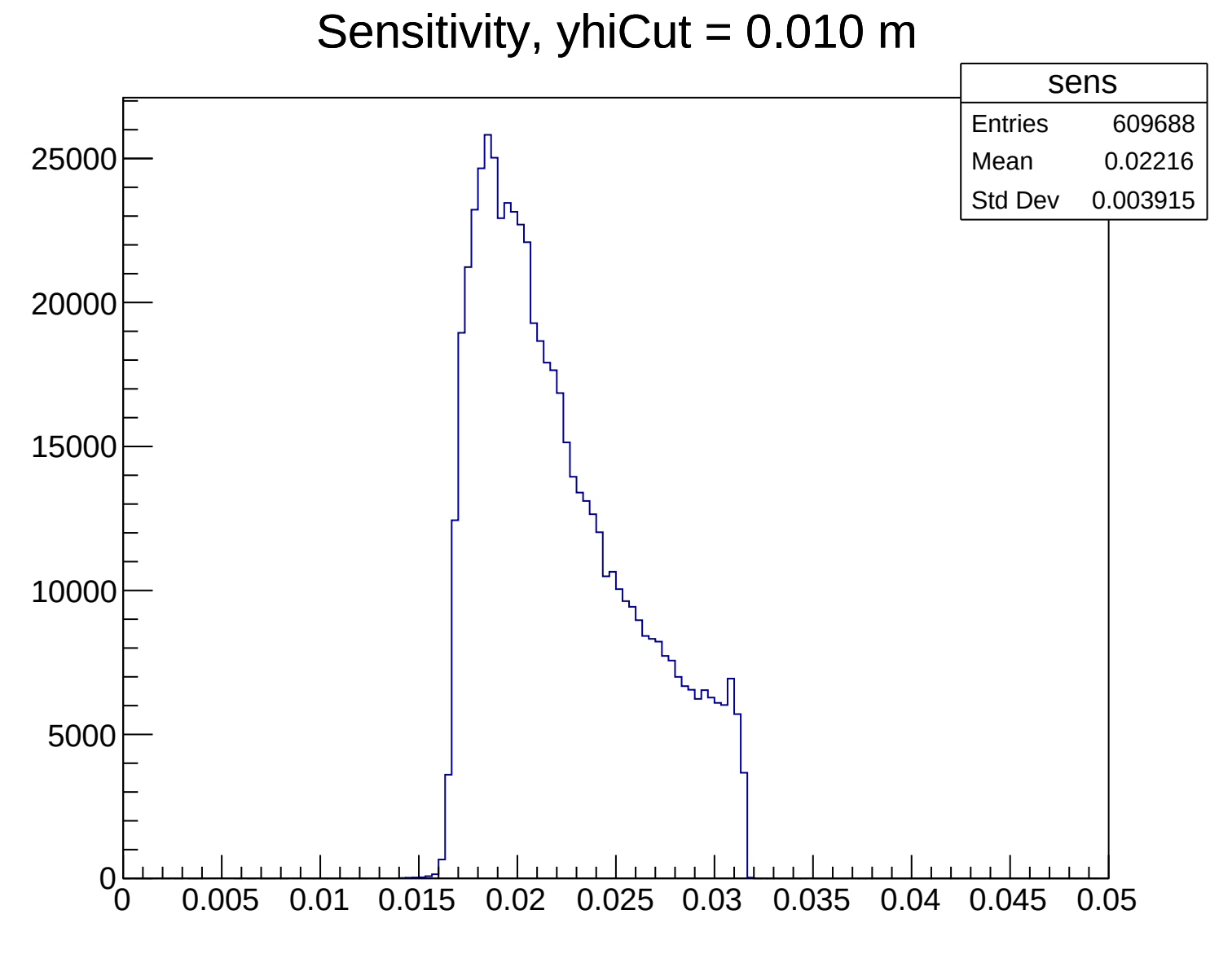

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

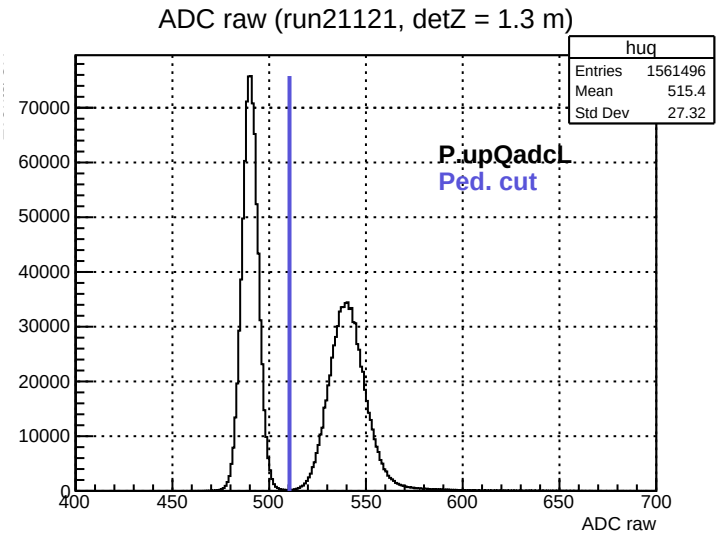

θlab (deg), yhiCut = 0.010 m
Theta
Entries 609688
Mean 4.773
Std Dev 0.455
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

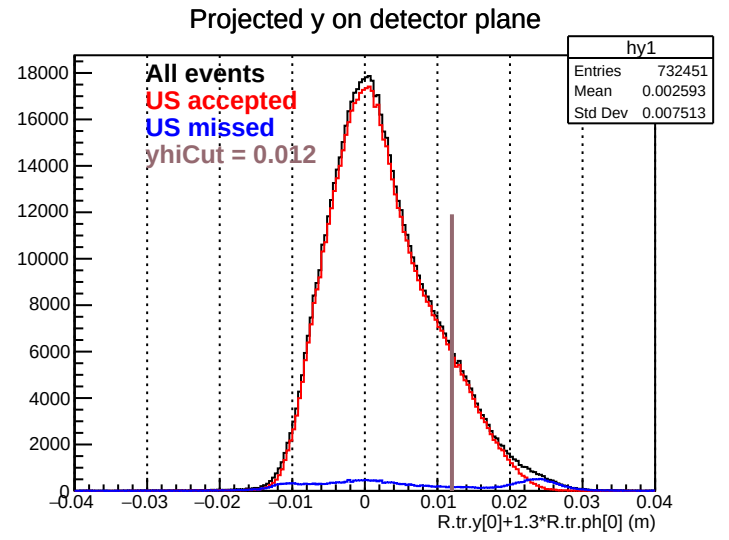

Asymmetry (ppm), yhiCut = 0.010 m
Asym
Entries 609688
Mean 0.5705
Std Dev 0.07408
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

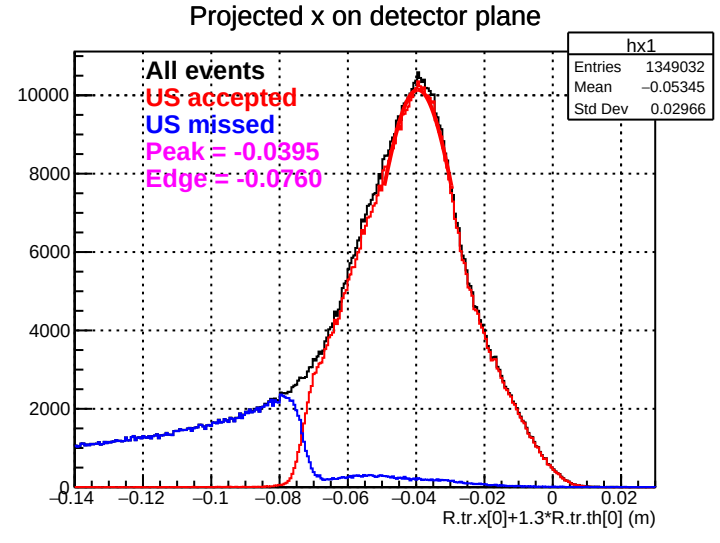

Stretched Asym. (ppm), yhiCut = 0.010 m
SAsym
Entries 609688
Mean 0.5576
Std Dev 0.07025
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

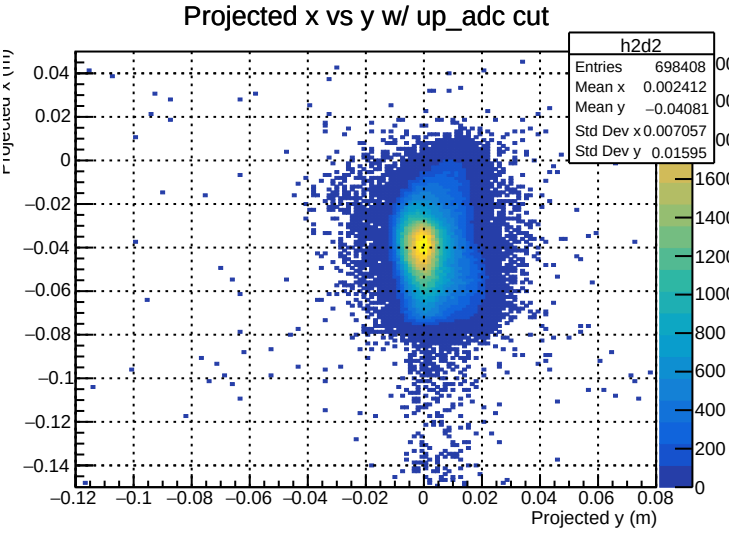

Q^2 (GeV/c)^2, yhiCut = 0.010 m
Q2
Entries 609688
Mean 0.006296
Std Dev 0.001233
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

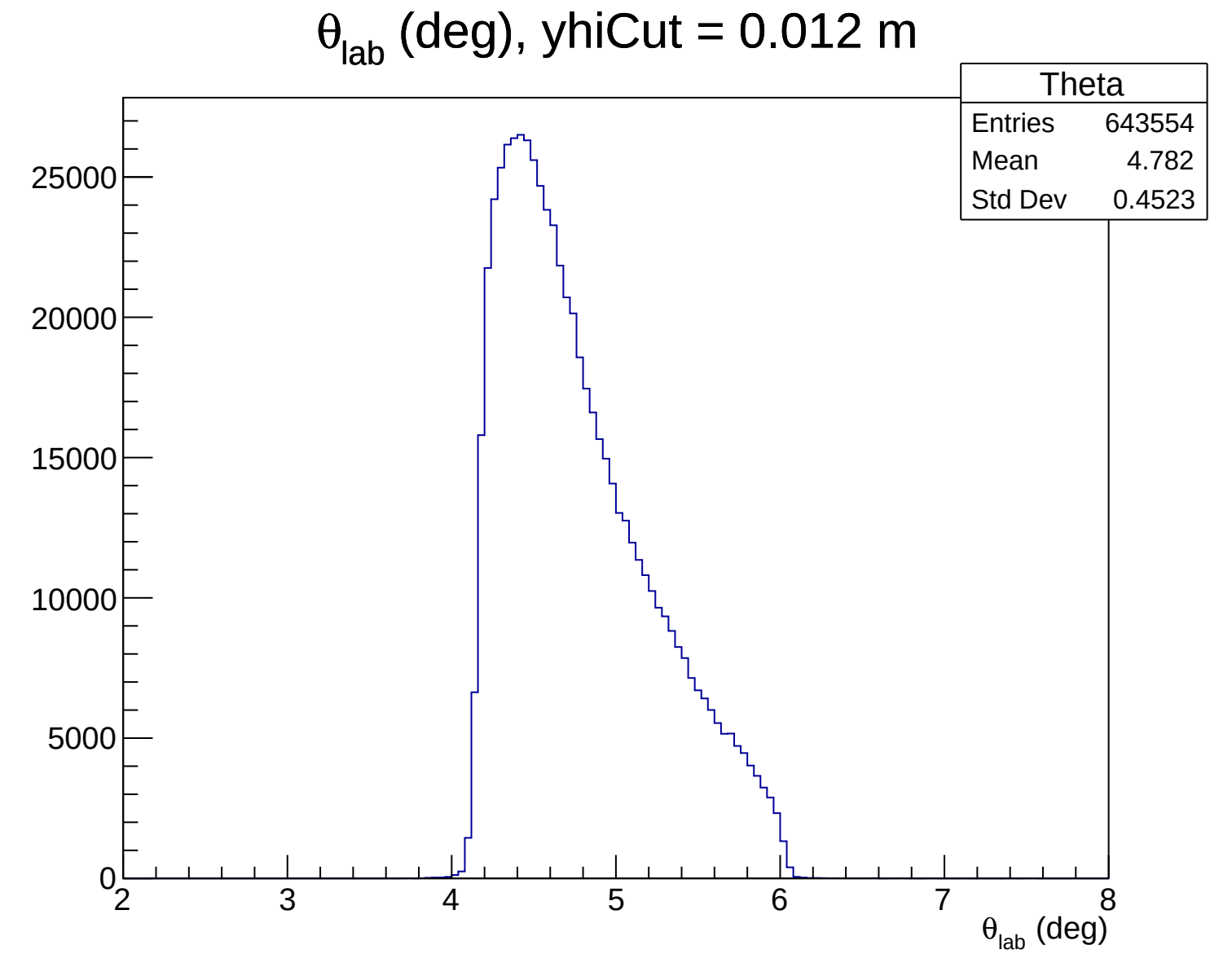

Sensitivity, yhiCut = 0.010 m
sens
Entries 609688
Mean 0.02216
Std Dev 0.003915
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

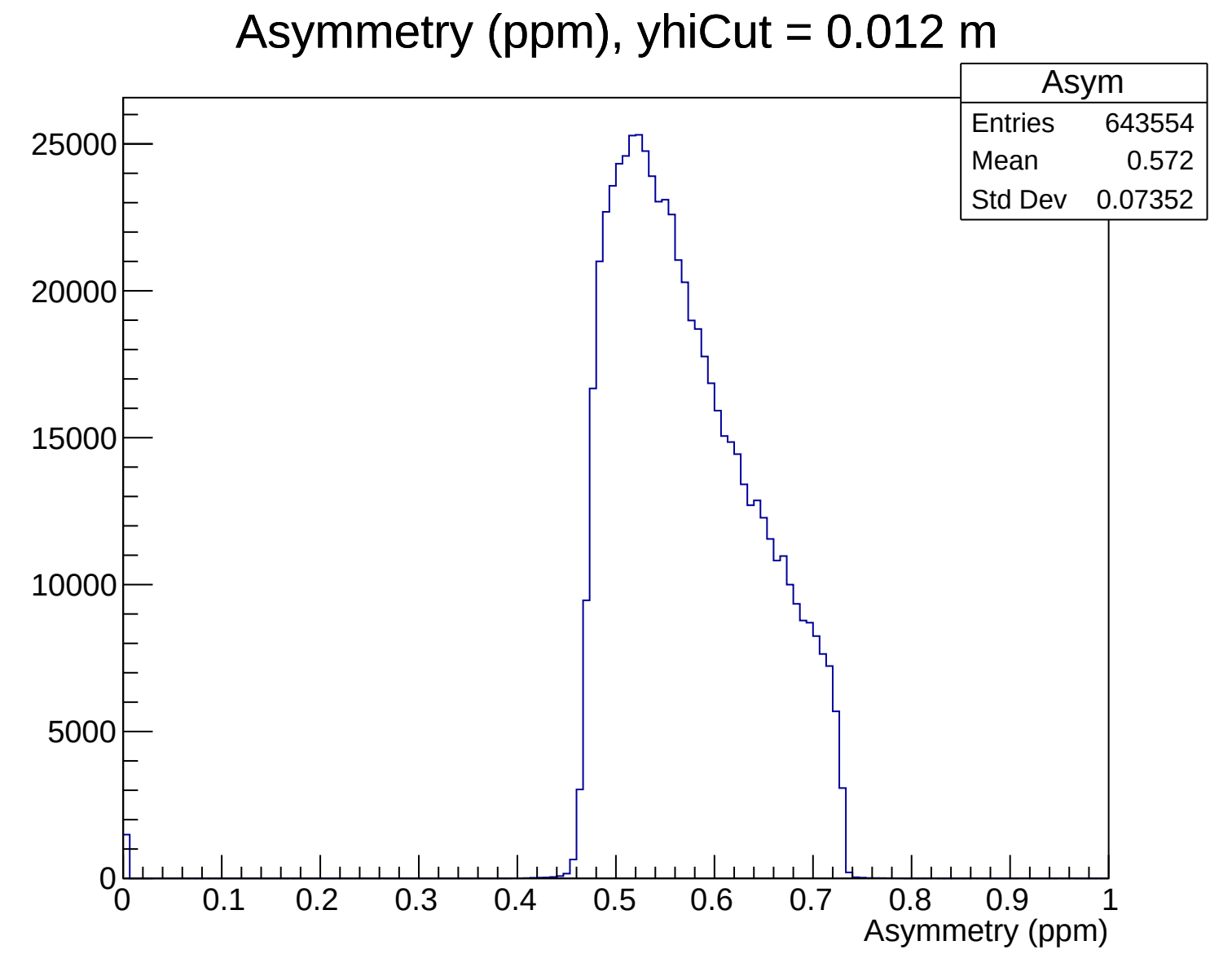

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

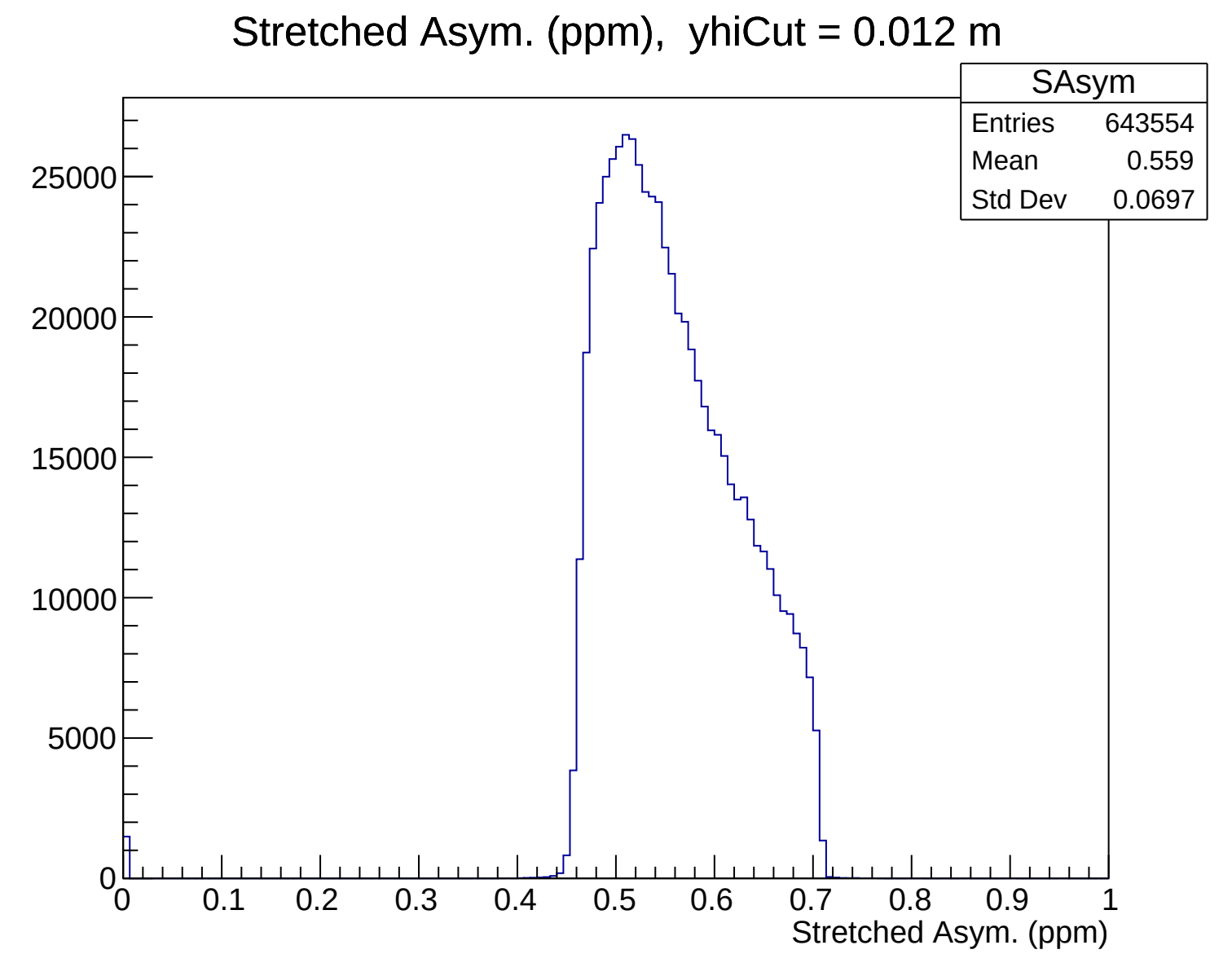

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.012
R.tr.y[0]+1.3*R.tr.ph[0] (m)

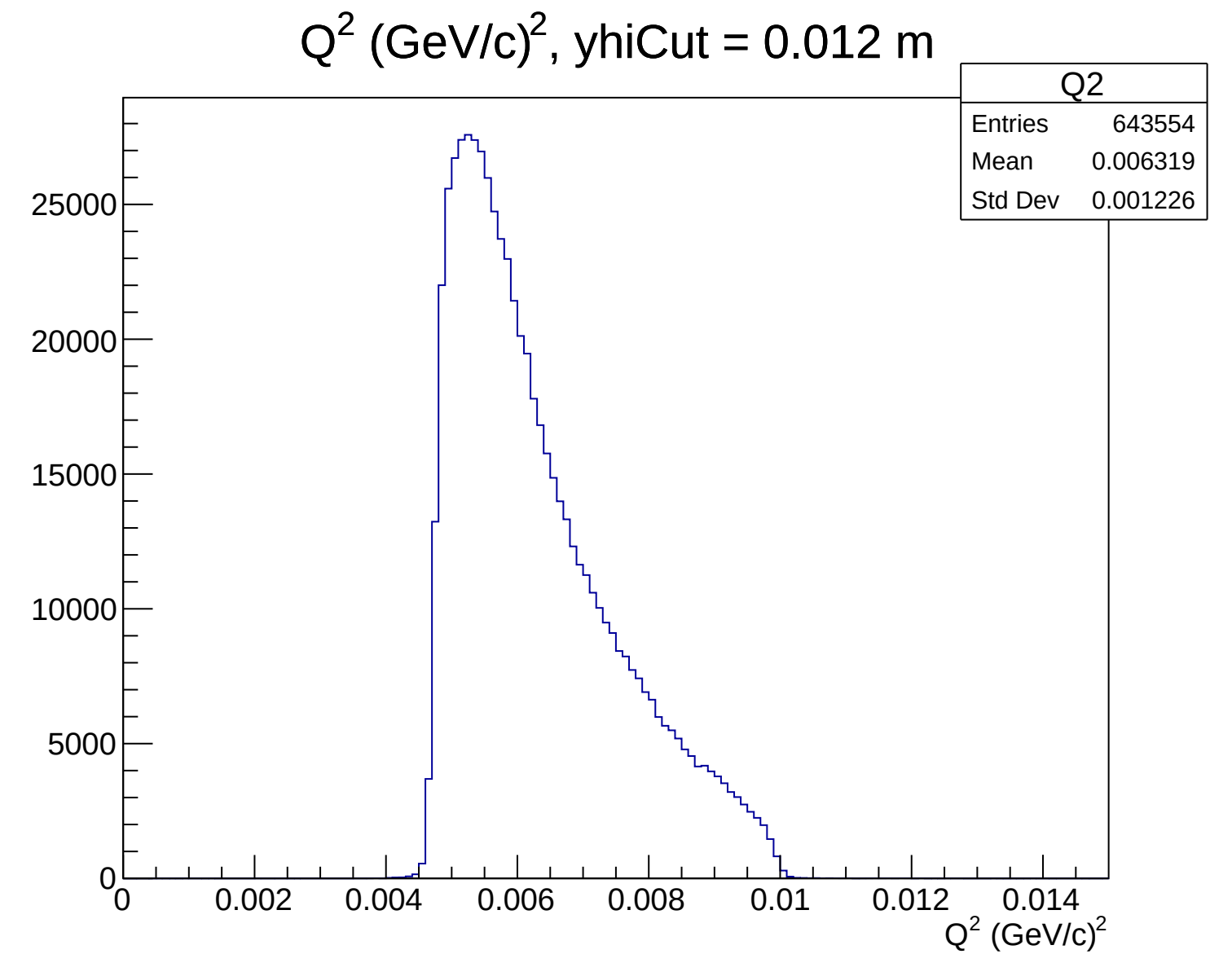

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

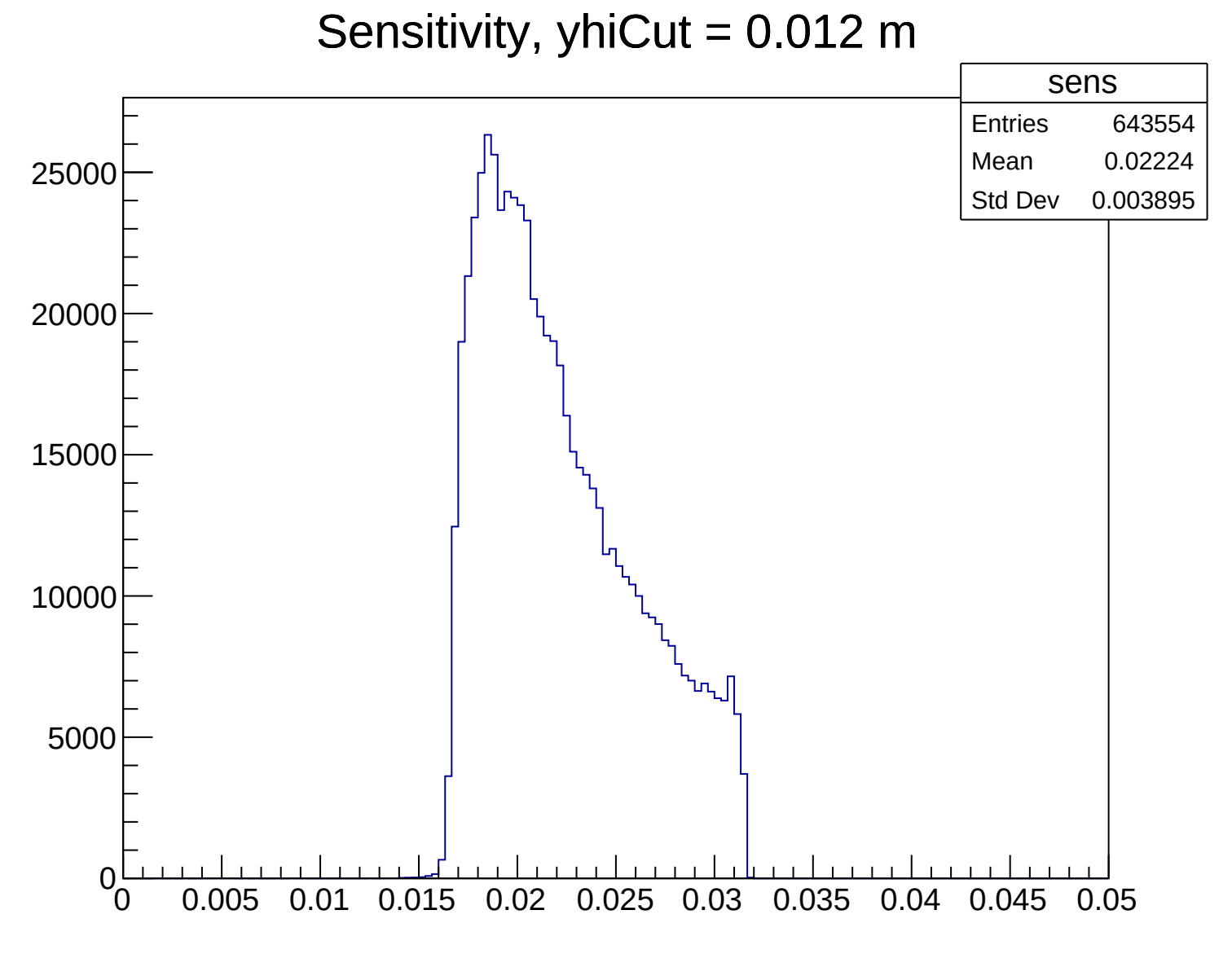

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

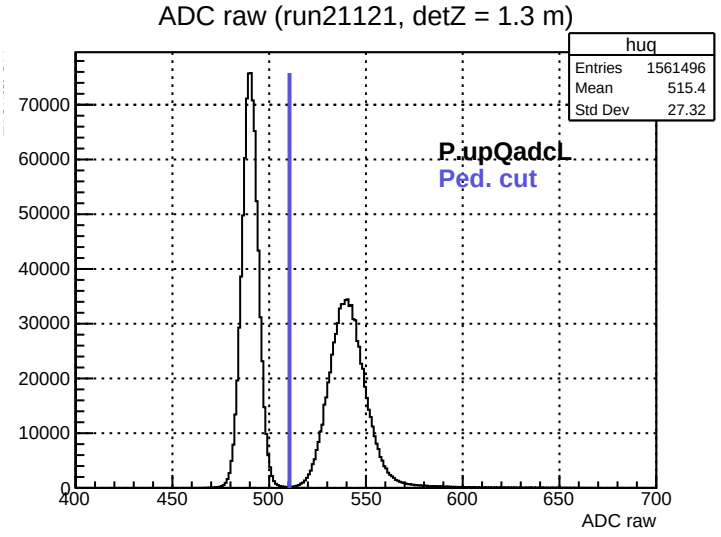

θlab (deg), yhiCut = 0.012 m
Theta
Entries 643554
Mean 4.782
Std Dev 0.4523
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

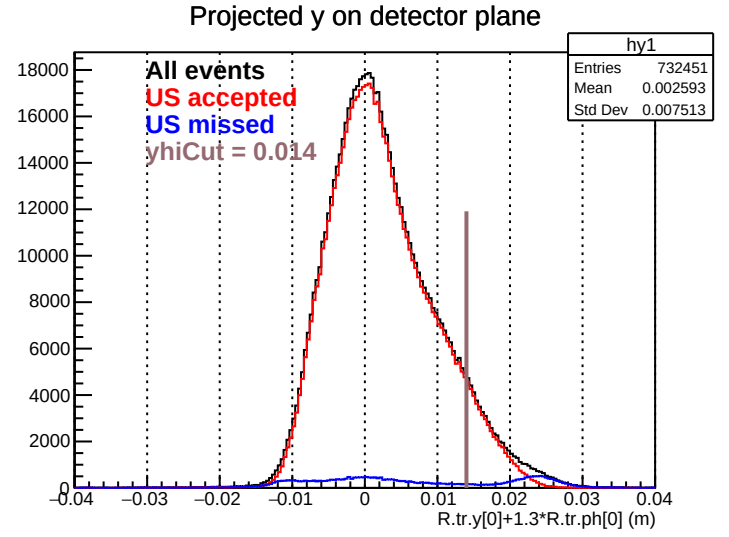

Asymmetry (ppm), yhiCut = 0.012 m
Asym
Entries 643554
Mean 0.572
Std Dev 0.07352
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

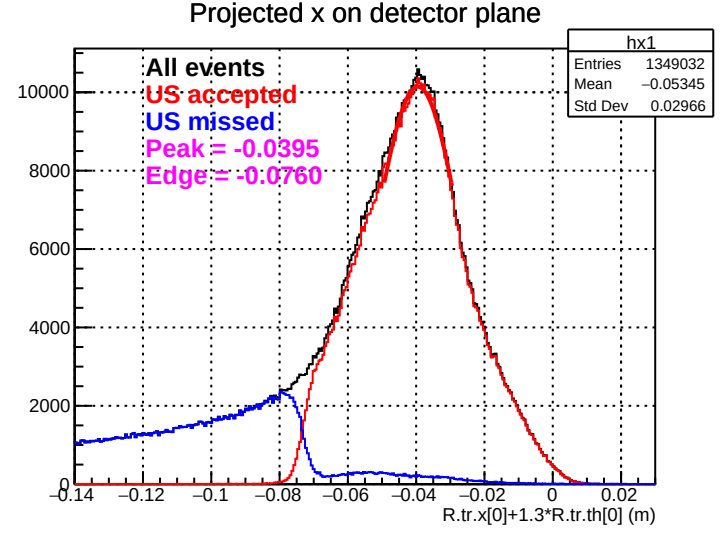

Stretched Asym. (ppm), yhiCut = 0.012 m
SAsym
Entries 643554
Mean 0.559
Std Dev 0.0697
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

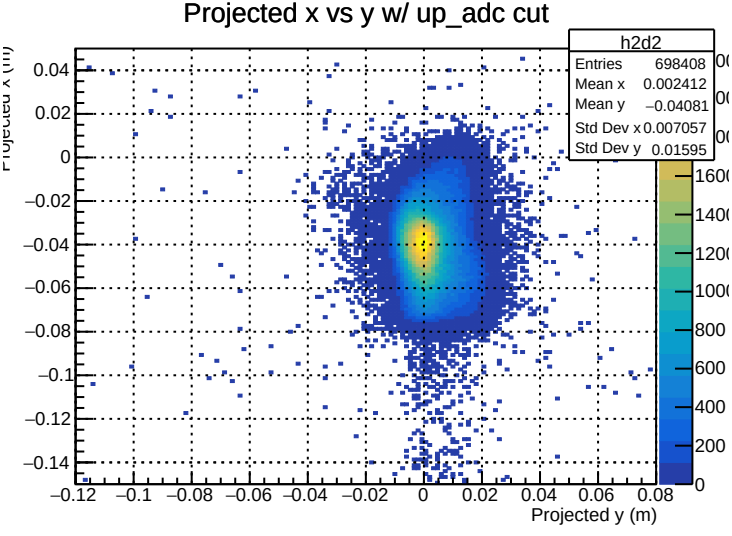

Q^2 (GeV/c)^2, yhiCut = 0.012 m
Q2
Entries 643554
Mean 0.006319
Std Dev 0.001226
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

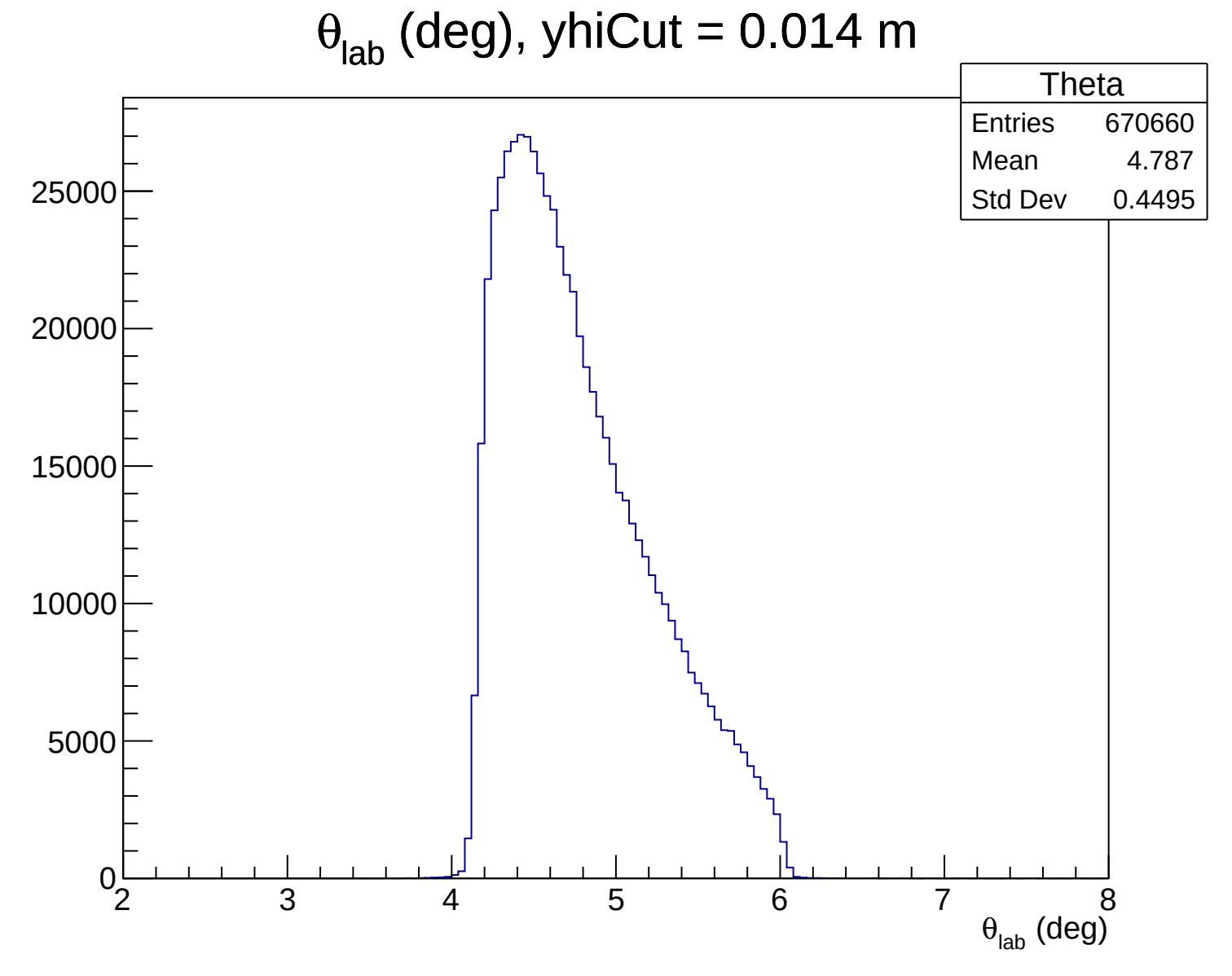

Sensitivity, yhiCut = 0.012 m
sens
Entries 643554
Mean 0.02224
Std Dev 0.003895
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

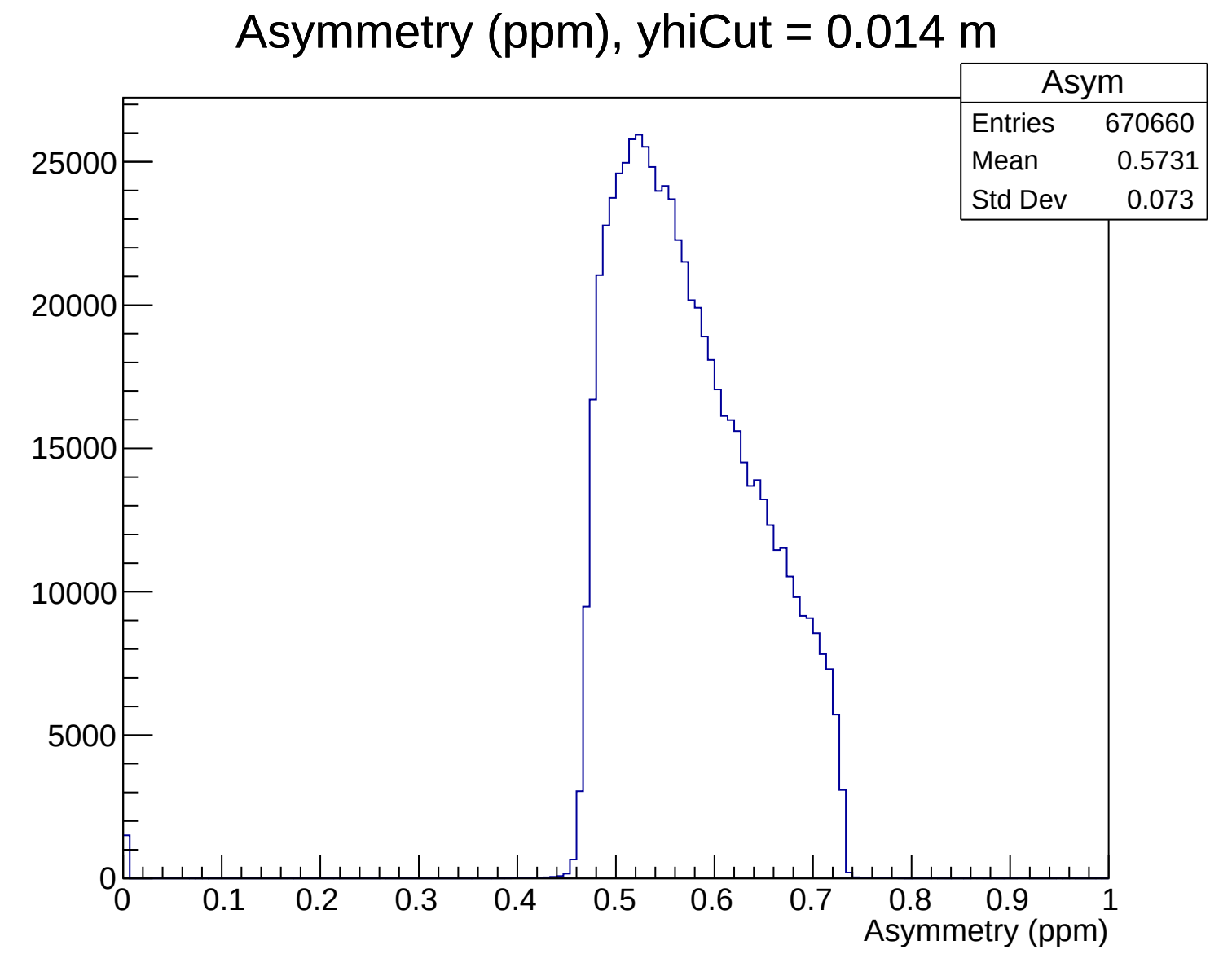

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

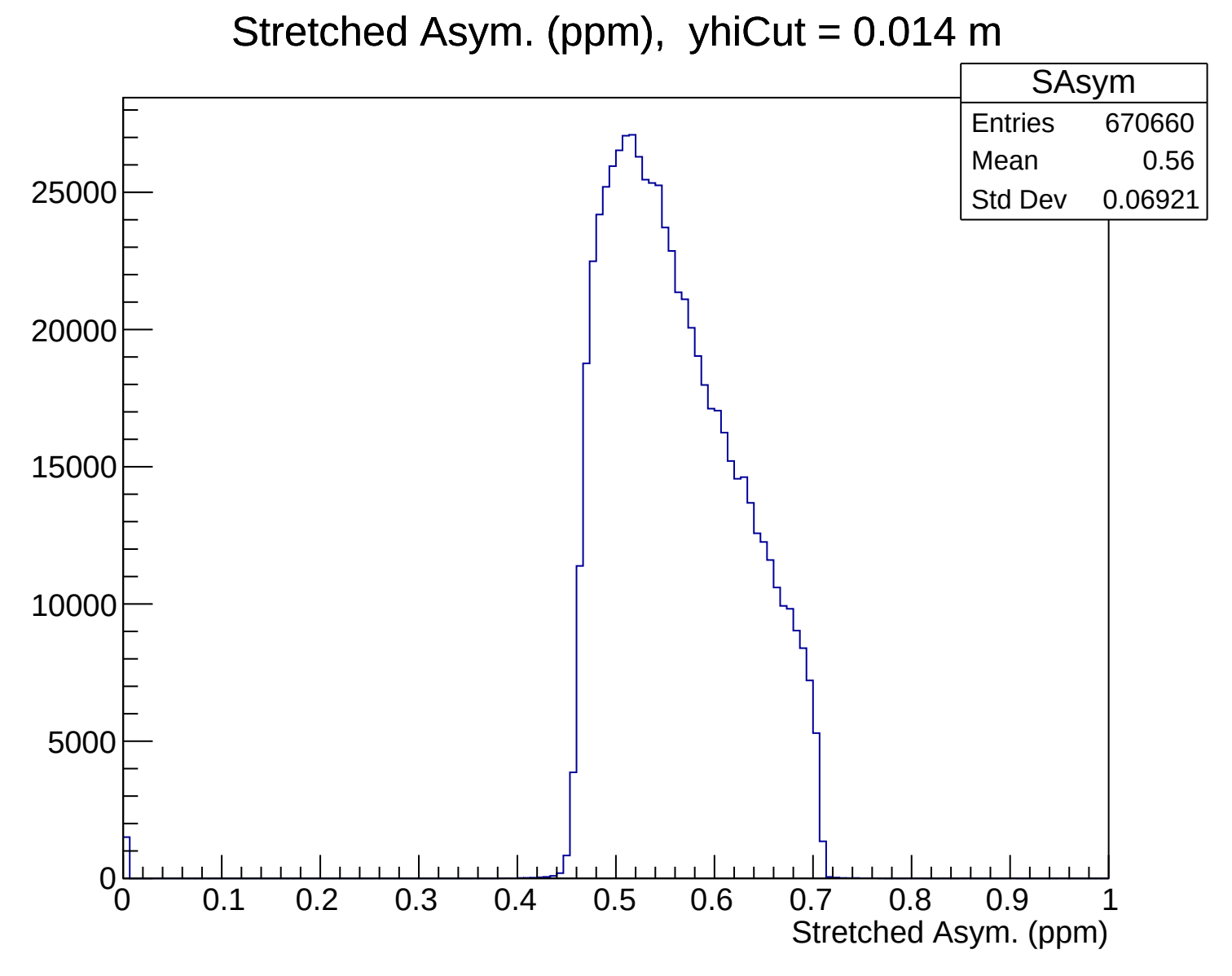

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.014
R.tr.y[0]+1.3*R.tr.ph[0] (m)

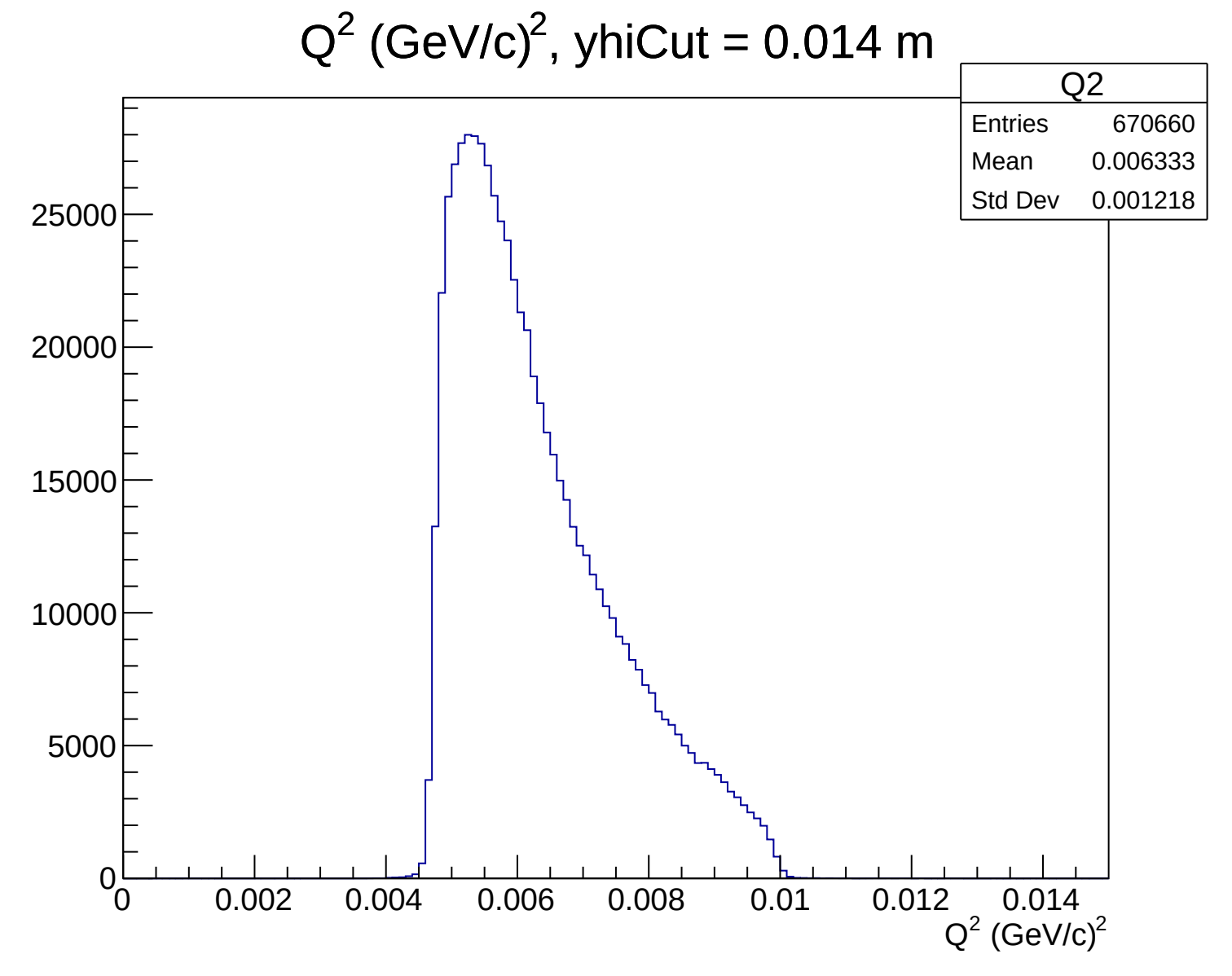

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

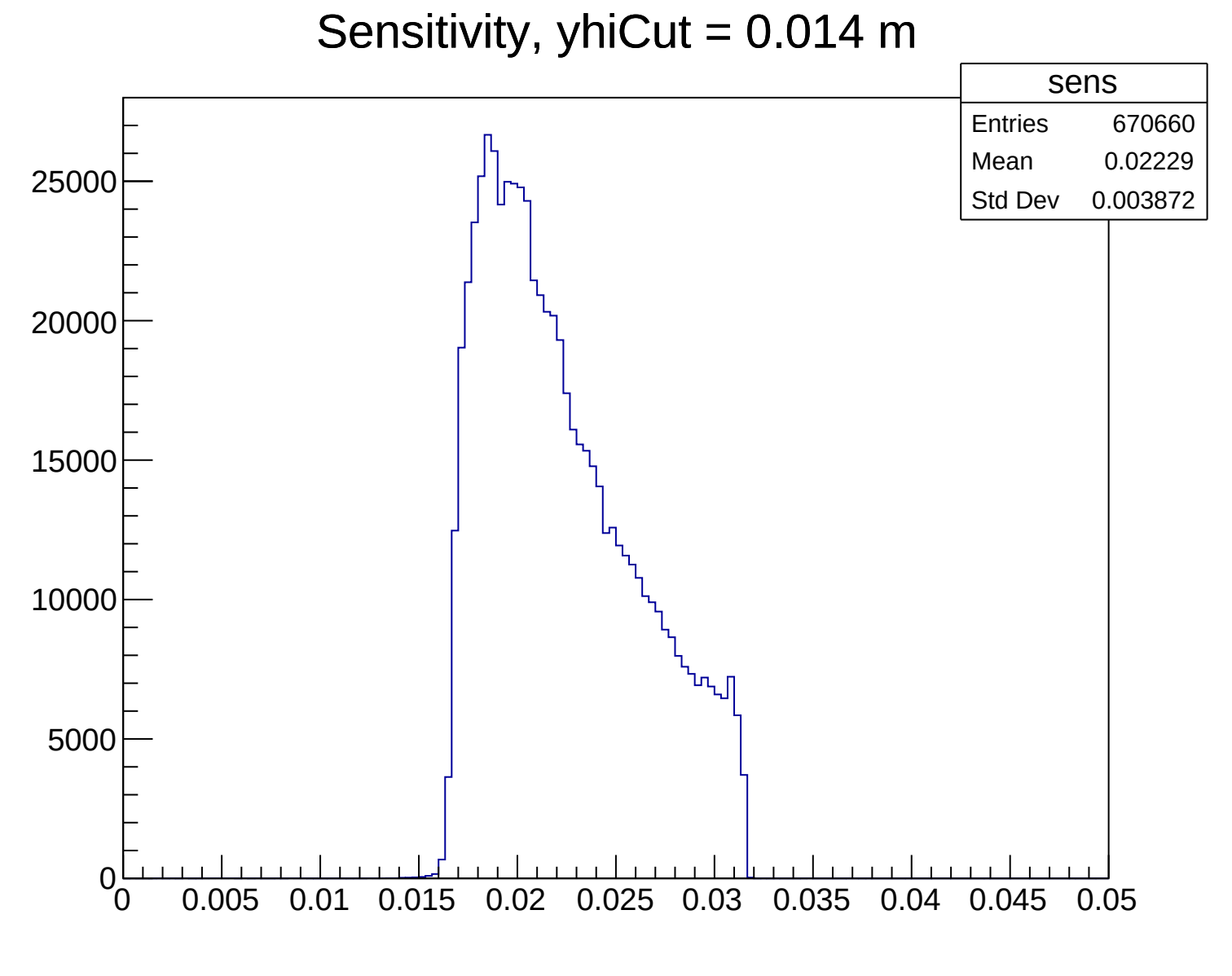

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

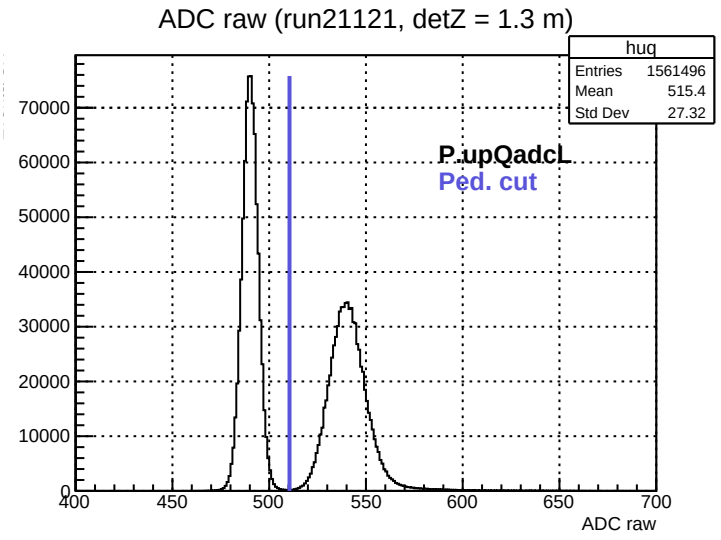

θlab (deg), yhiCut = 0.014 m
Theta
Entries 670660
Mean 4.787
Std Dev 0.4495
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

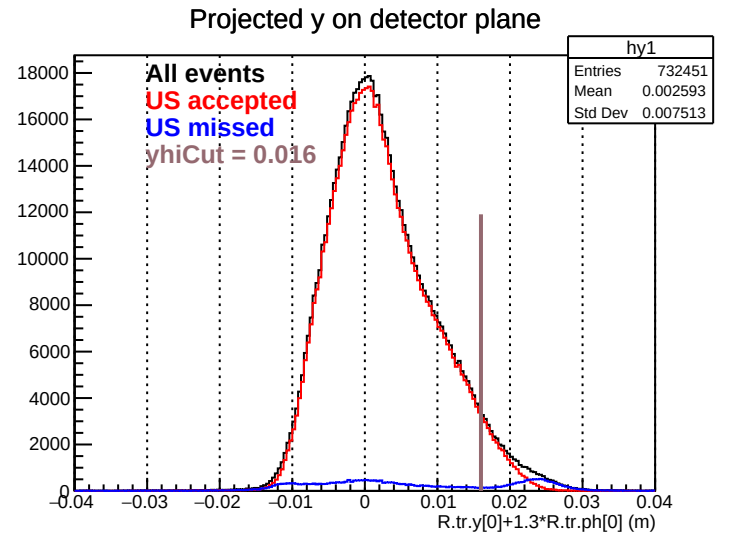

Asymmetry (ppm), yhiCut = 0.014 m
Asym
Entries 670660
Mean 0.5731
Std Dev 0.073
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

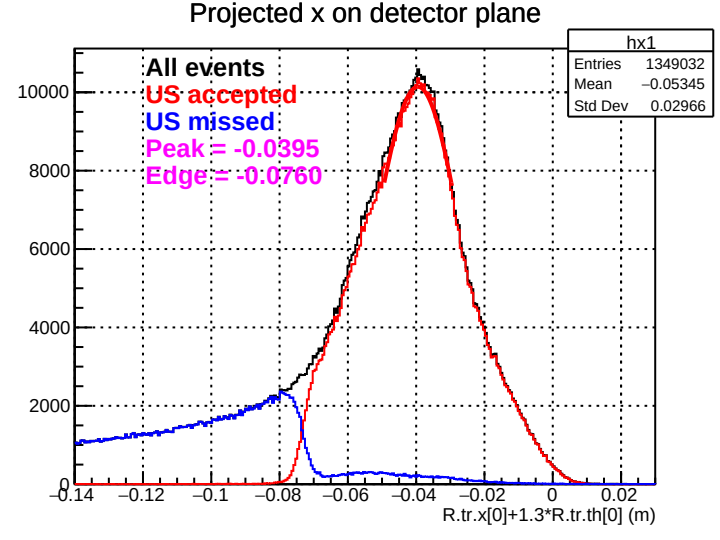

Stretched Asym. (ppm), yhiCut = 0.014 m
SAsym
Entries 670660
Mean 0.56
Std Dev 0.06921
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

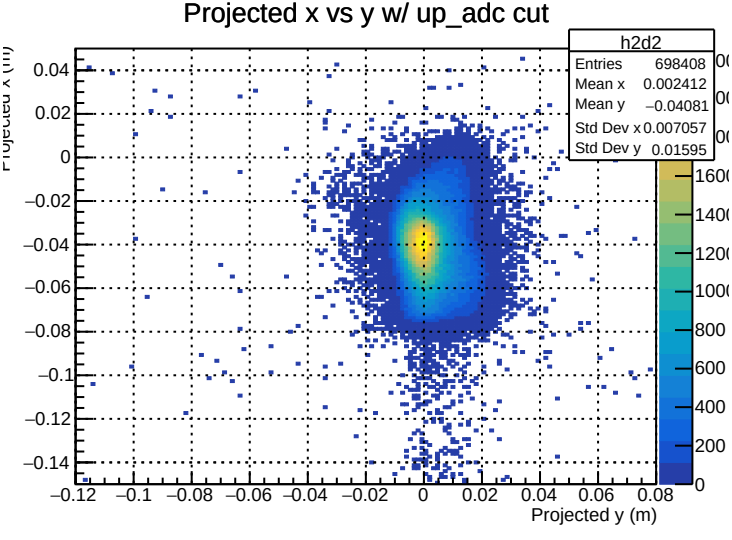

Q^2 (GeV/c)^2, yhiCut = 0.014 m
Q2
Entries 670660
Mean 0.006333
Std Dev 0.001218
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

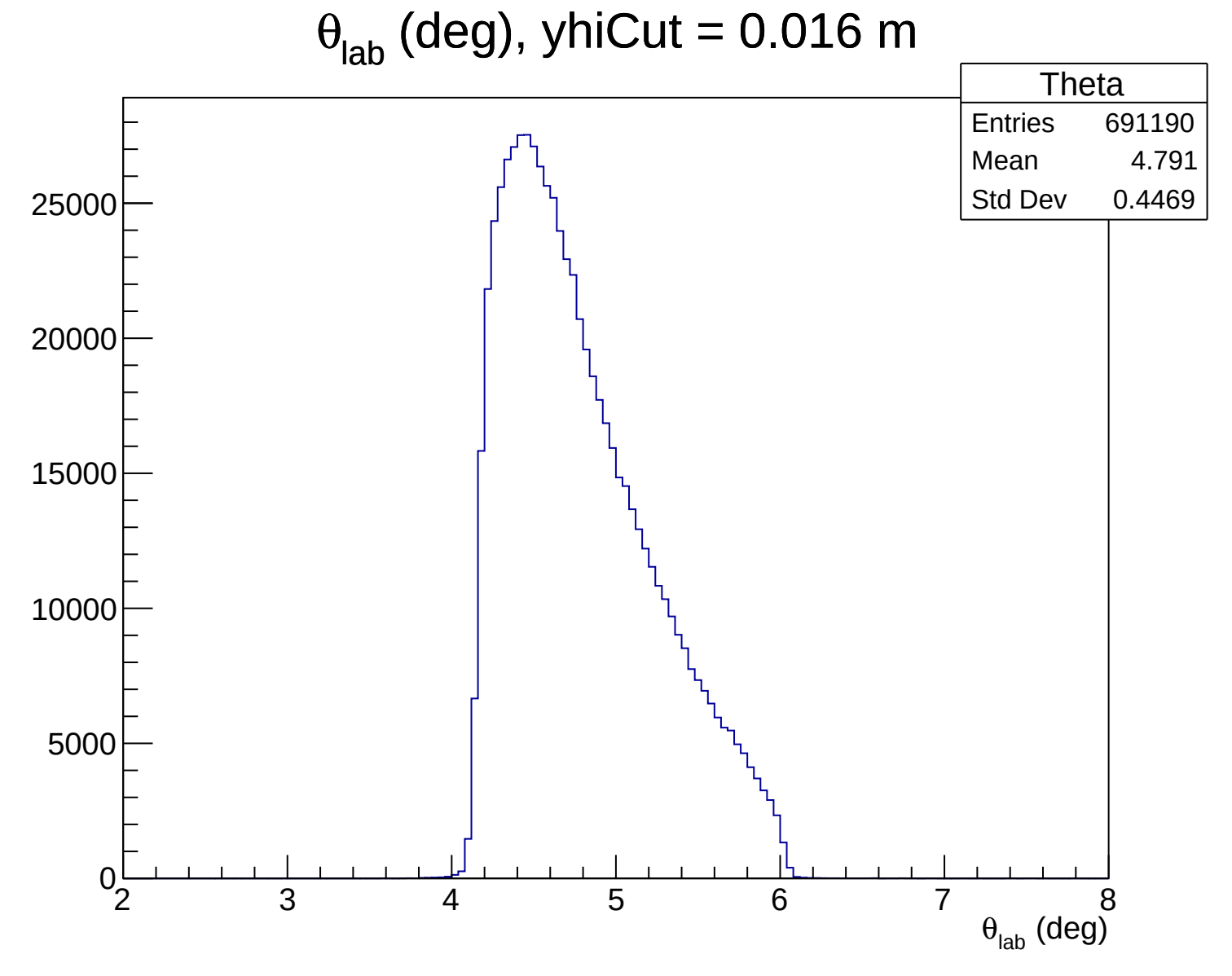

Sensitivity, yhiCut = 0.014 m
sens
Entries 670660
Mean 0.02229
Std Dev 0.003872
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

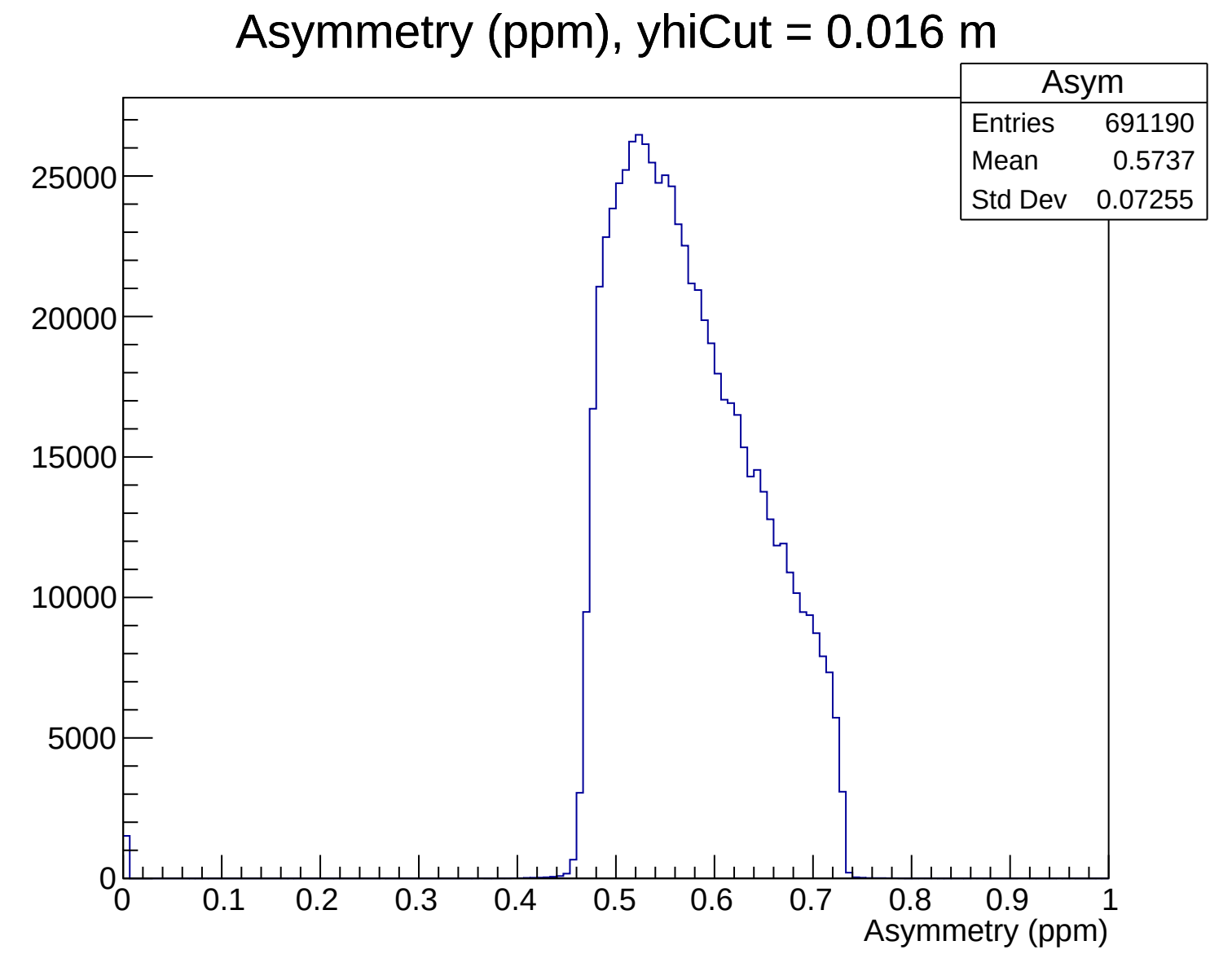

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

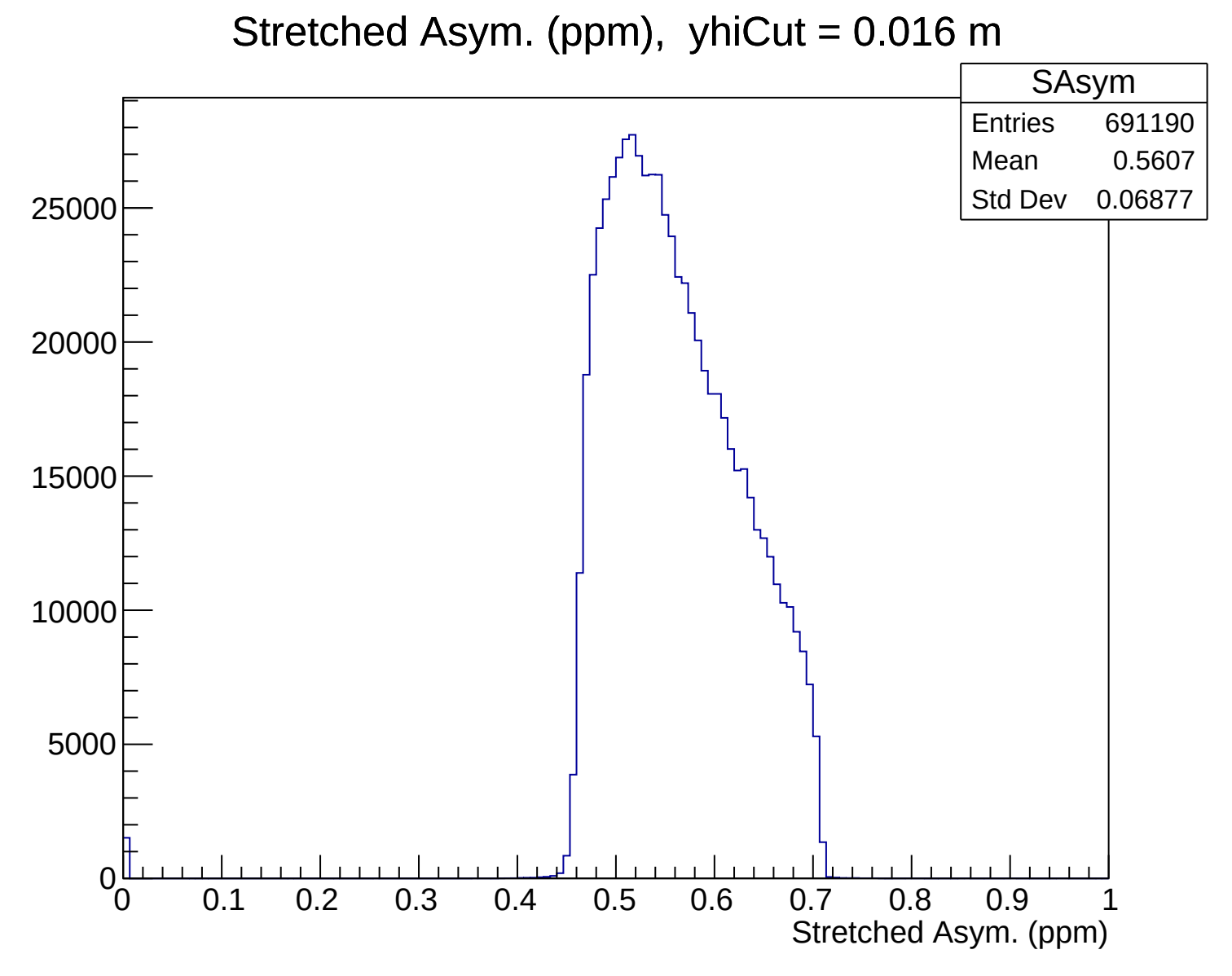

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.016
R.tr.y[0]+1.3*R.tr.ph[0] (m)

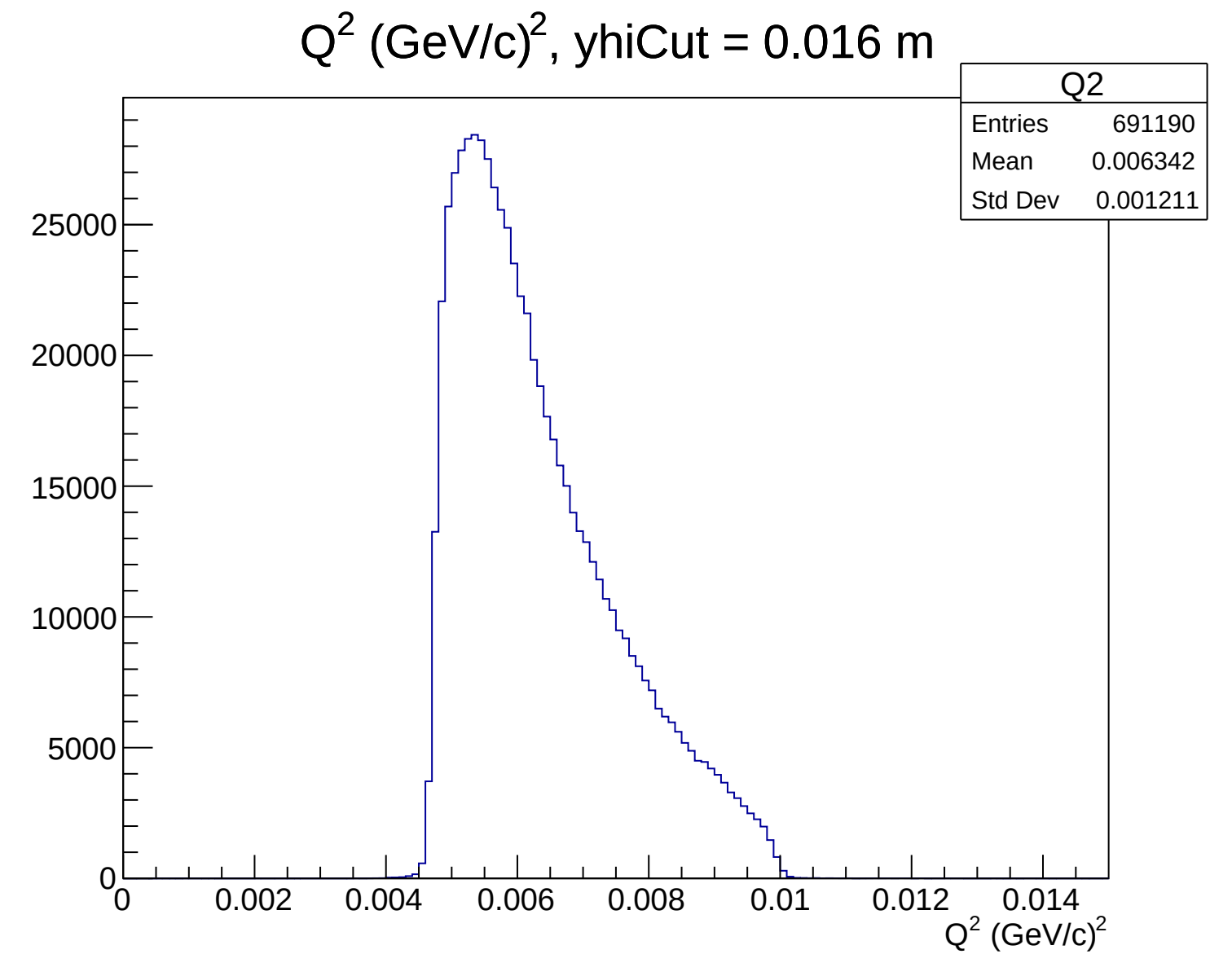

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

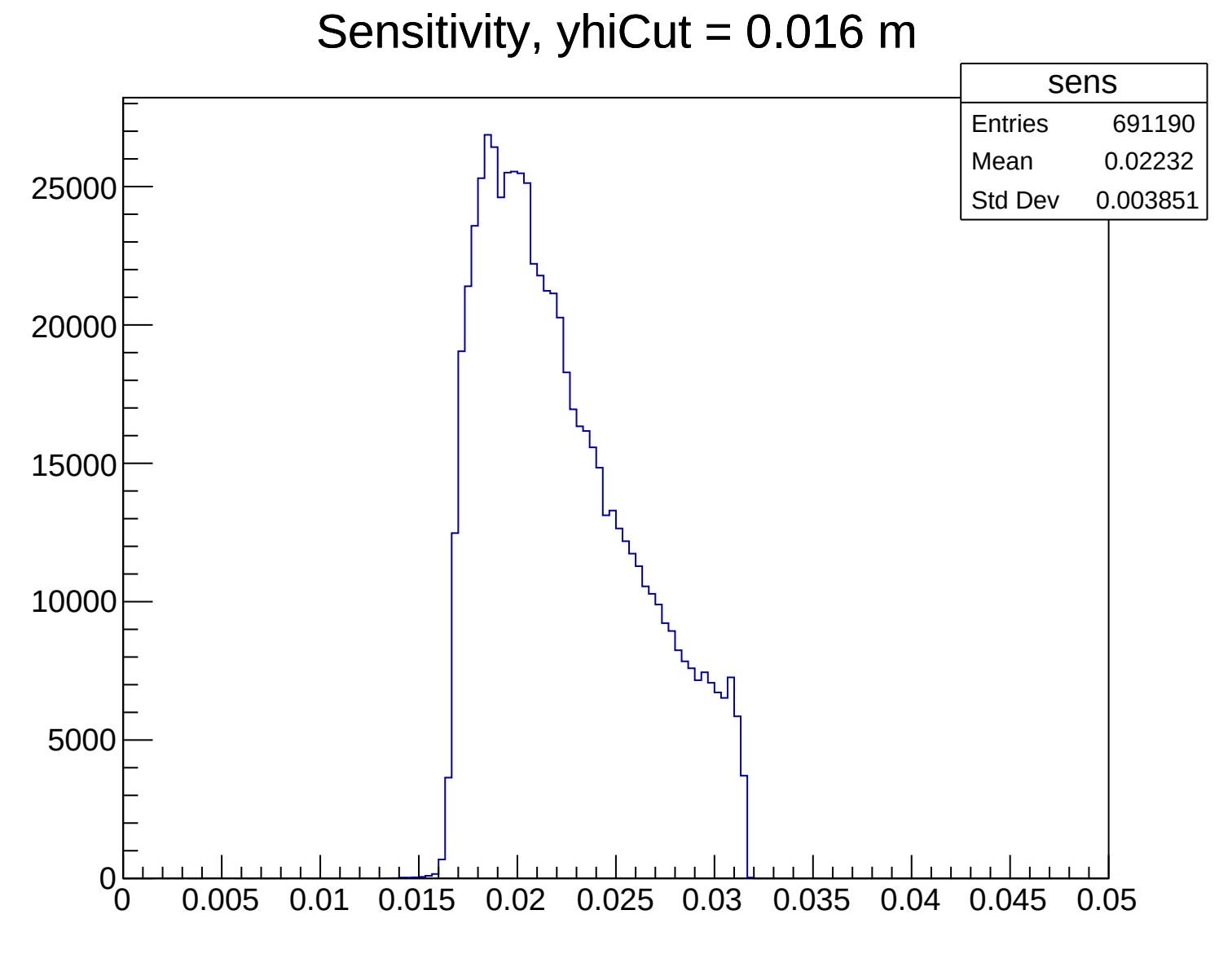

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

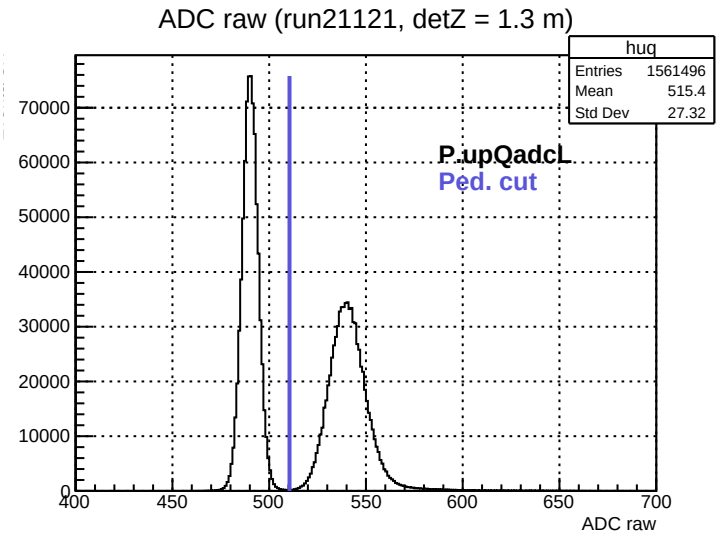

θlab (deg), yhiCut = 0.016 m
Theta
Entries 691190
Mean 4.791
Std Dev 0.4469
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

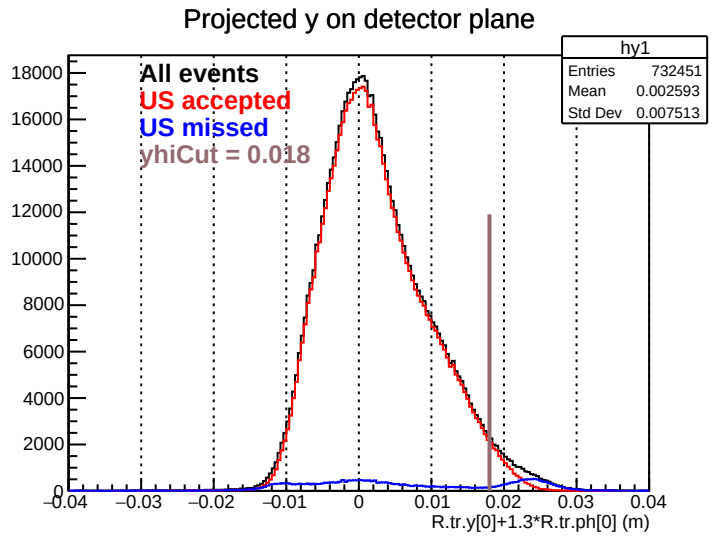

Asymmetry (ppm), yhiCut = 0.016 m
Asym
Entries 691190
Mean 0.5737
Std Dev 0.07255
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

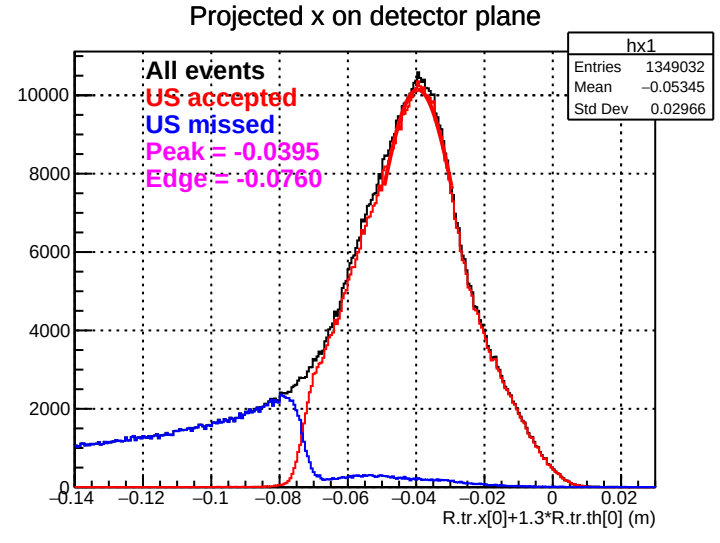

Stretched Asym. (ppm), yhiCut = 0.016 m
SAsym
Entries 691190
Mean 0.5607
Std Dev 0.06877
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

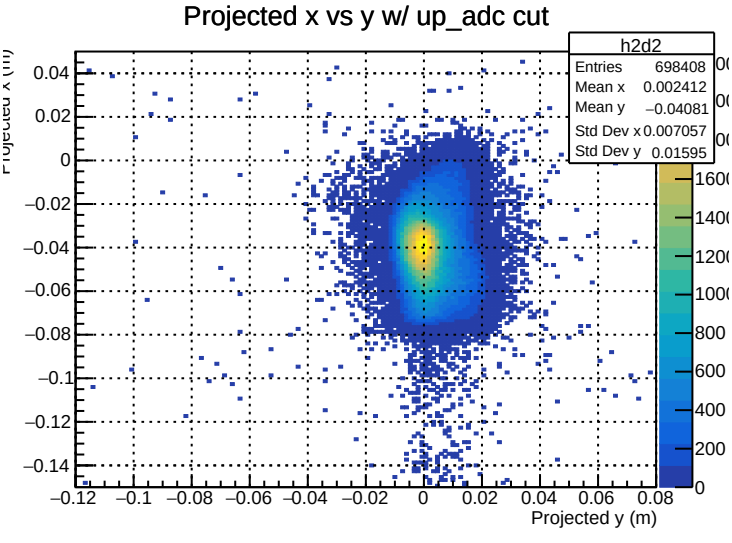

Q^2 $(GeV/c)^2$, yhiCut = 0.016 m
Q2
Entries 691190
Mean 0.006342
Std Dev 0.001211
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

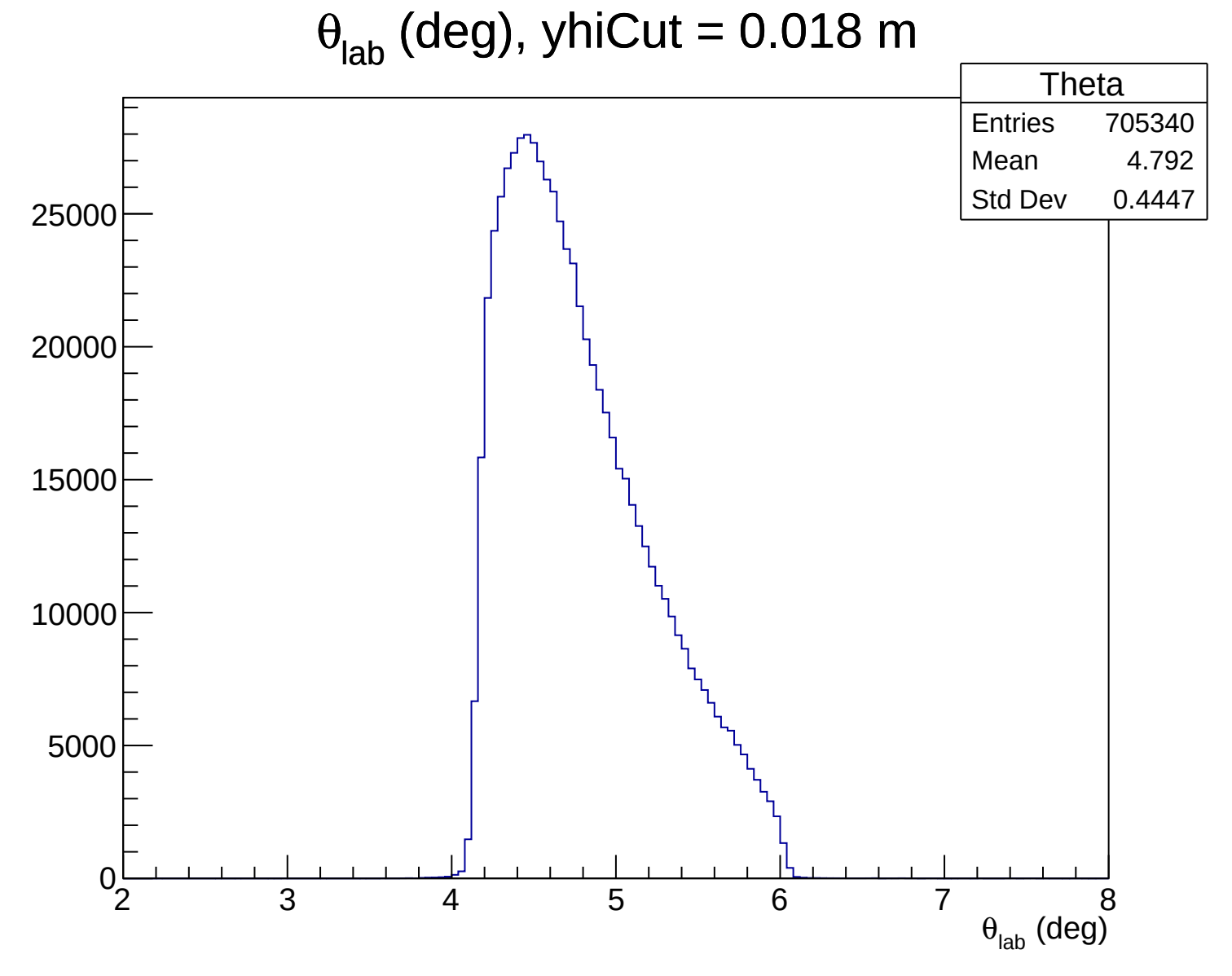

Sensitivity, yhiCut = 0.016 m
sens
Entries 691190
Mean 0.02232
Std Dev 0.003851
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

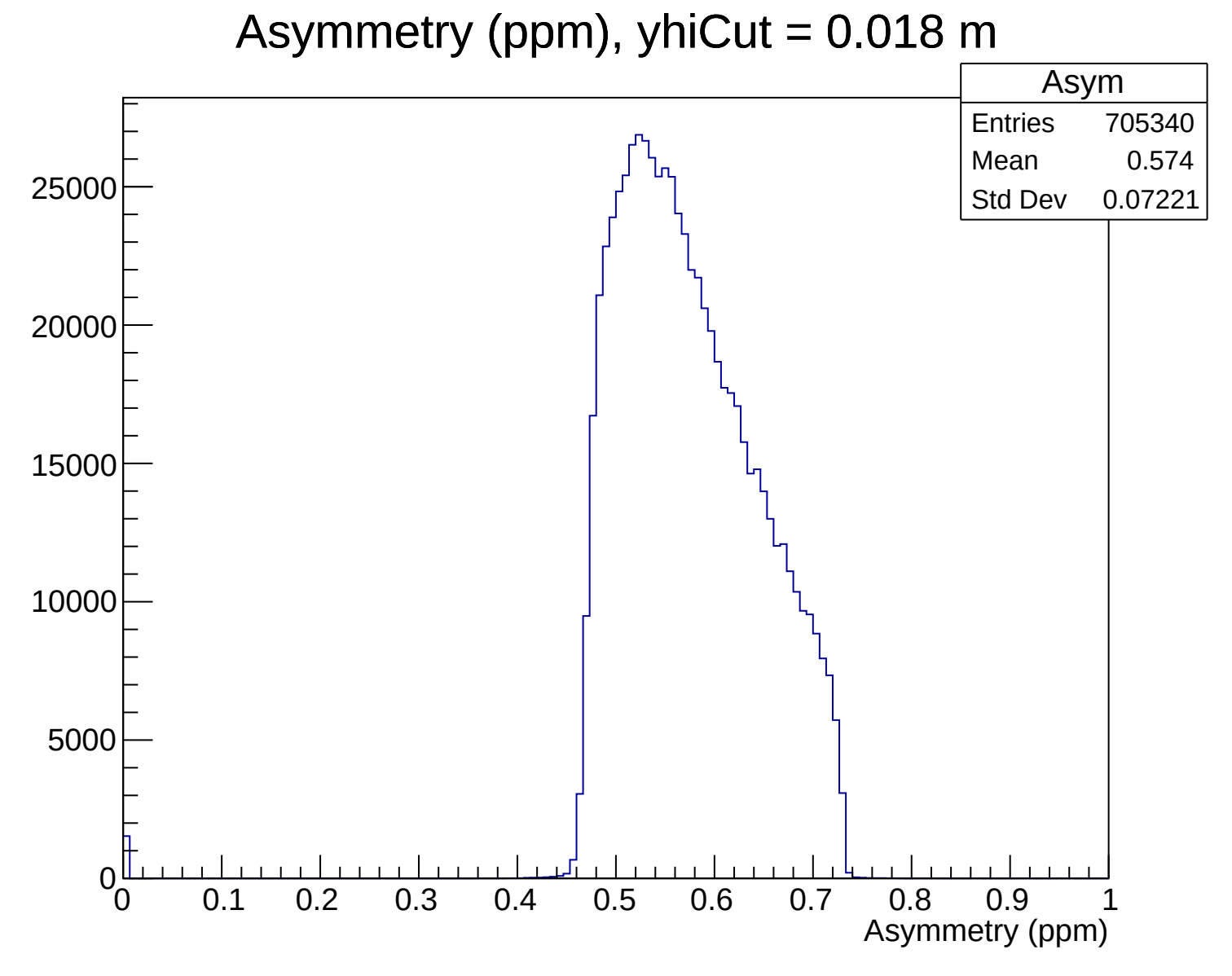

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

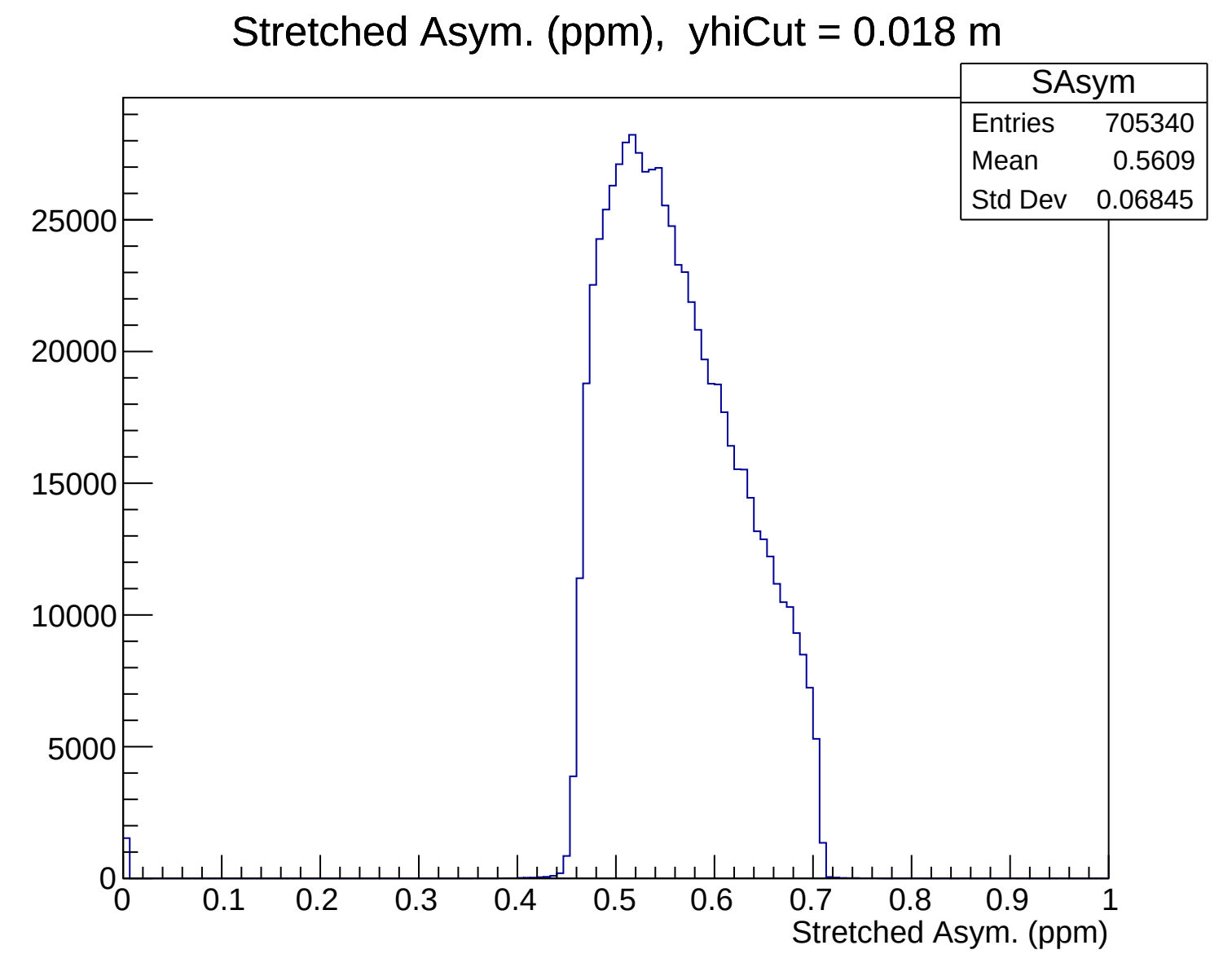

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.018
R.tr.y[0]+1.3*R.tr.ph[0] (m)

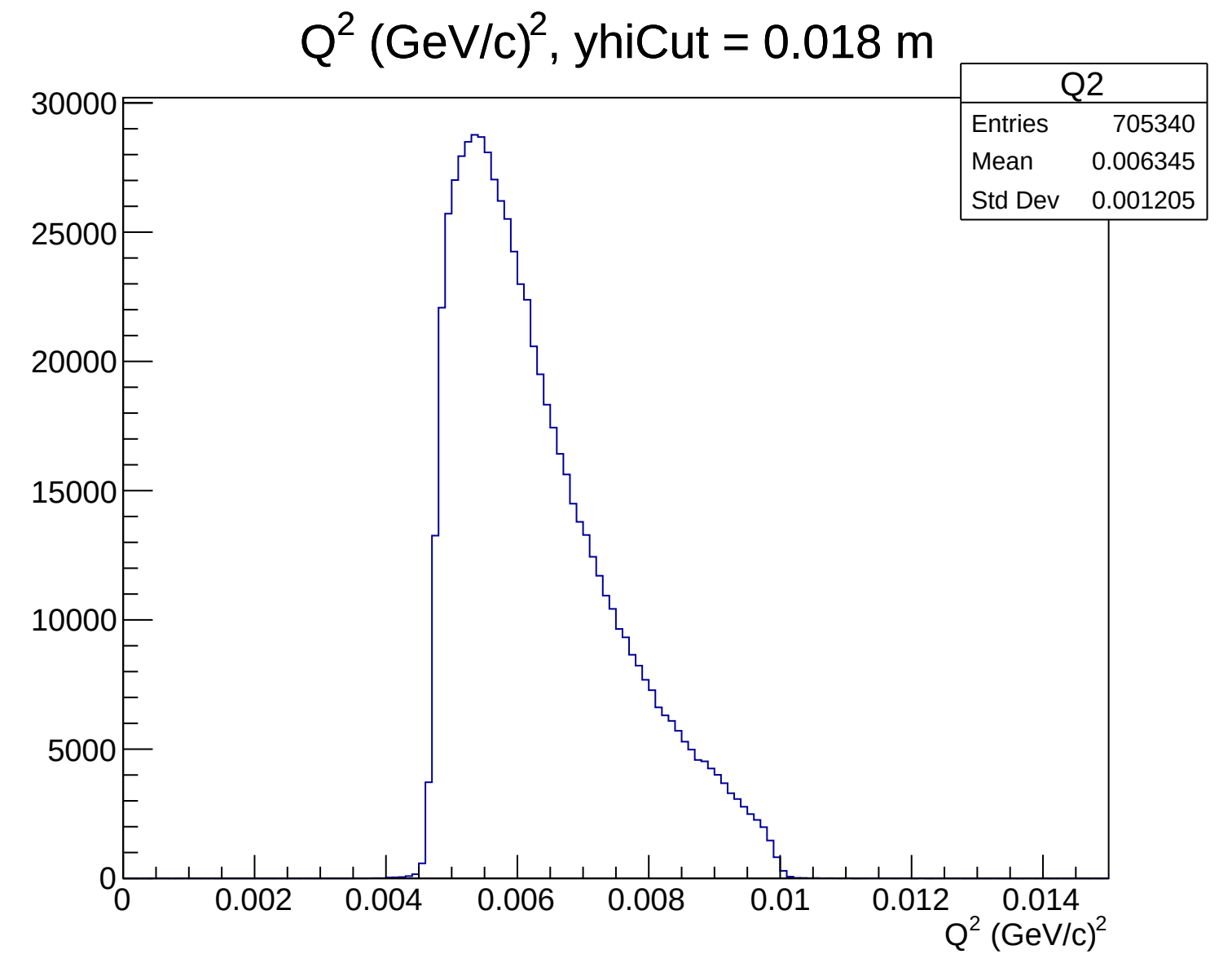

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

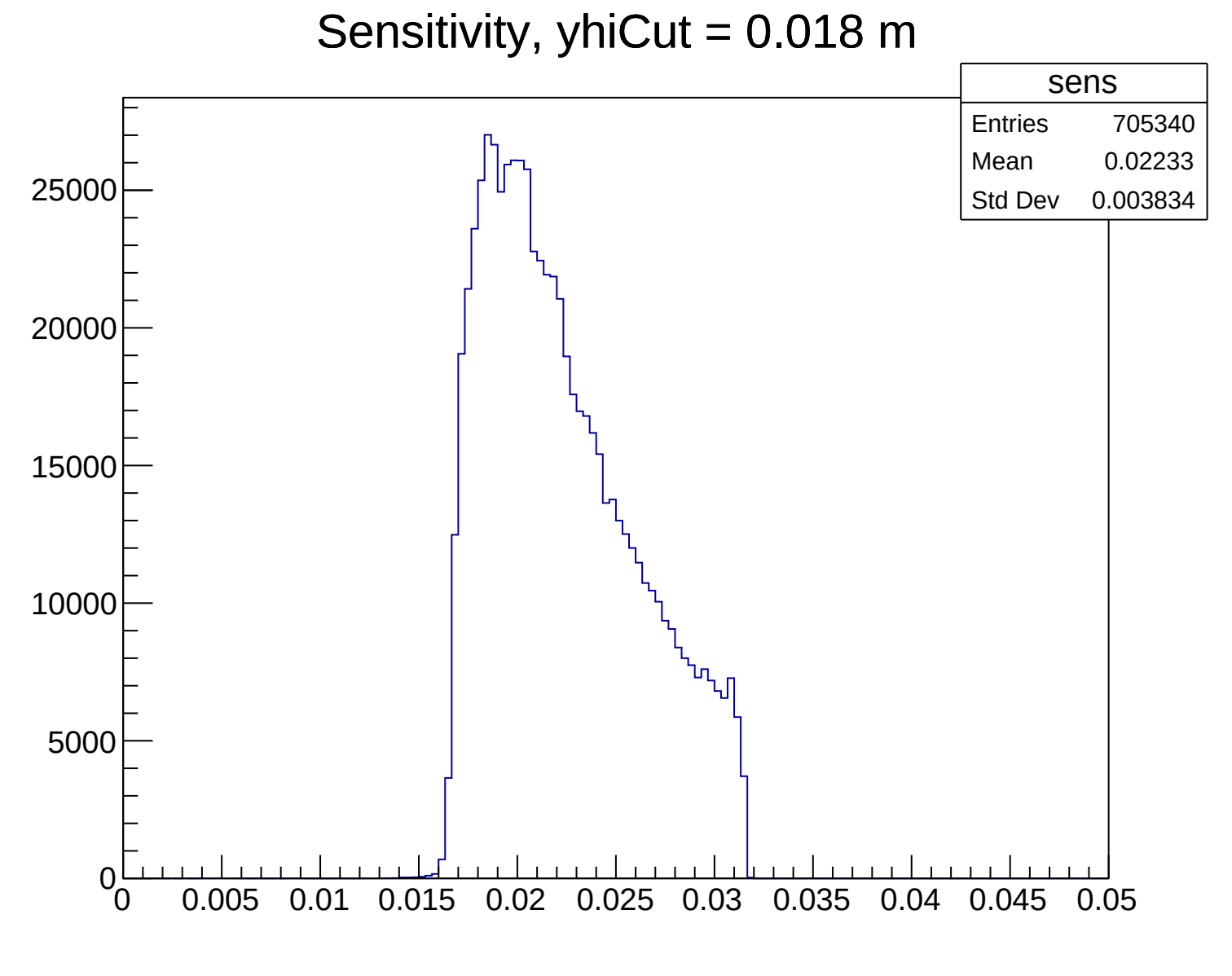

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

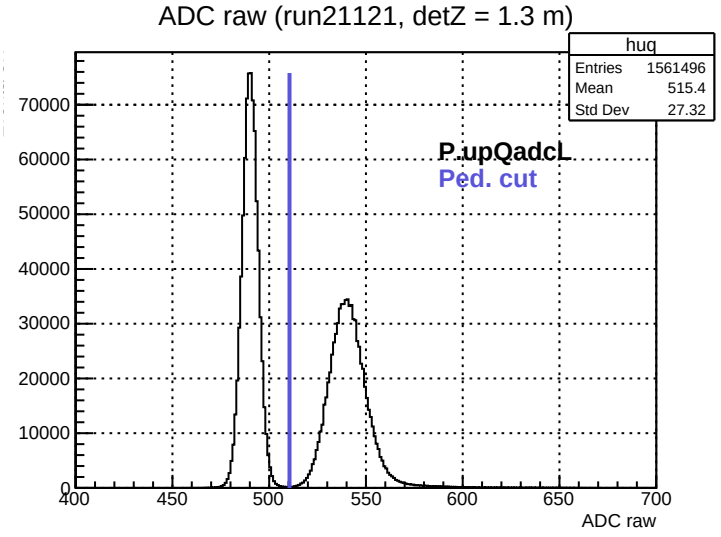

θlab (deg), yhiCut = 0.018 m
Theta
Entries 705340
Mean 4.792
Std Dev 0.4447
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

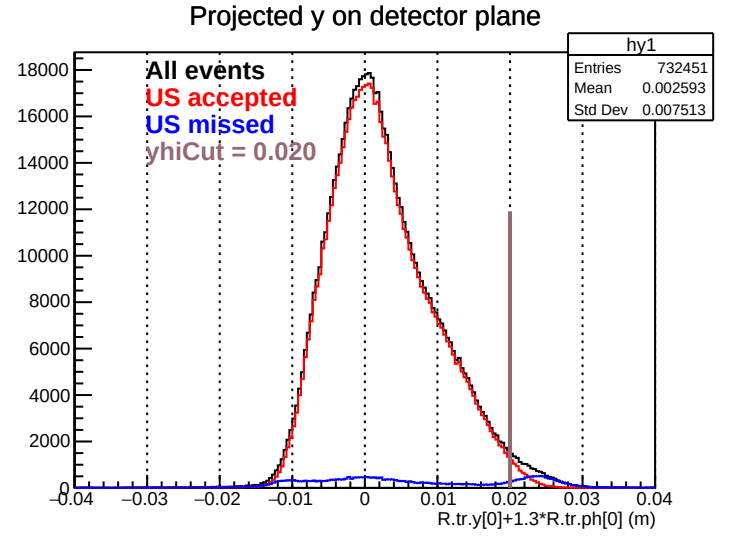

Asymmetry (ppm), yhiCut = 0.018 m
Asym
Entries 705340
Mean 0.574
Std Dev 0.07221
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

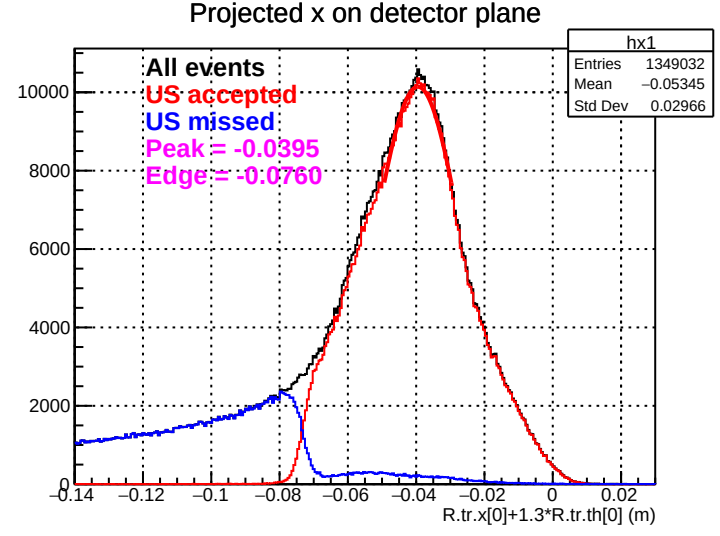

Stretched Asym. (ppm), yhiCut = 0.018 m
SAsym
Entries 705340
Mean 0.5609
Std Dev 0.06845
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

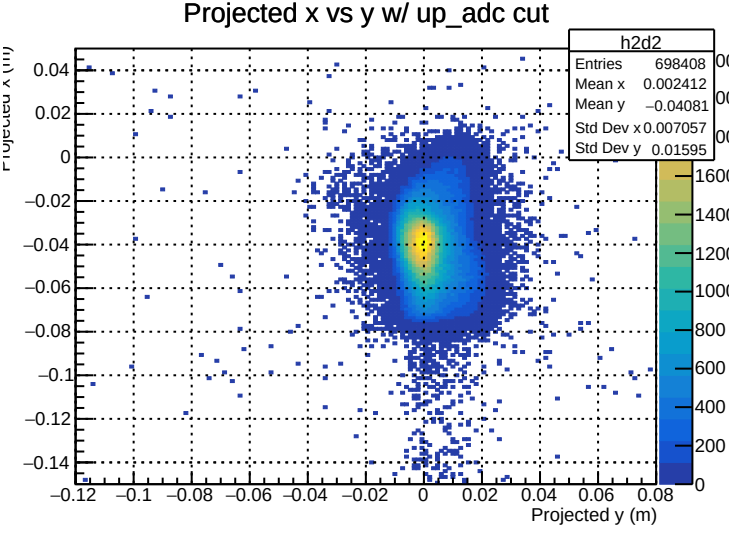

Q^2 $(GeV/c)^2$, yhiCut = 0.018 m
Q2
Entries 705340
Mean 0.006345
Std Dev 0.001205
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

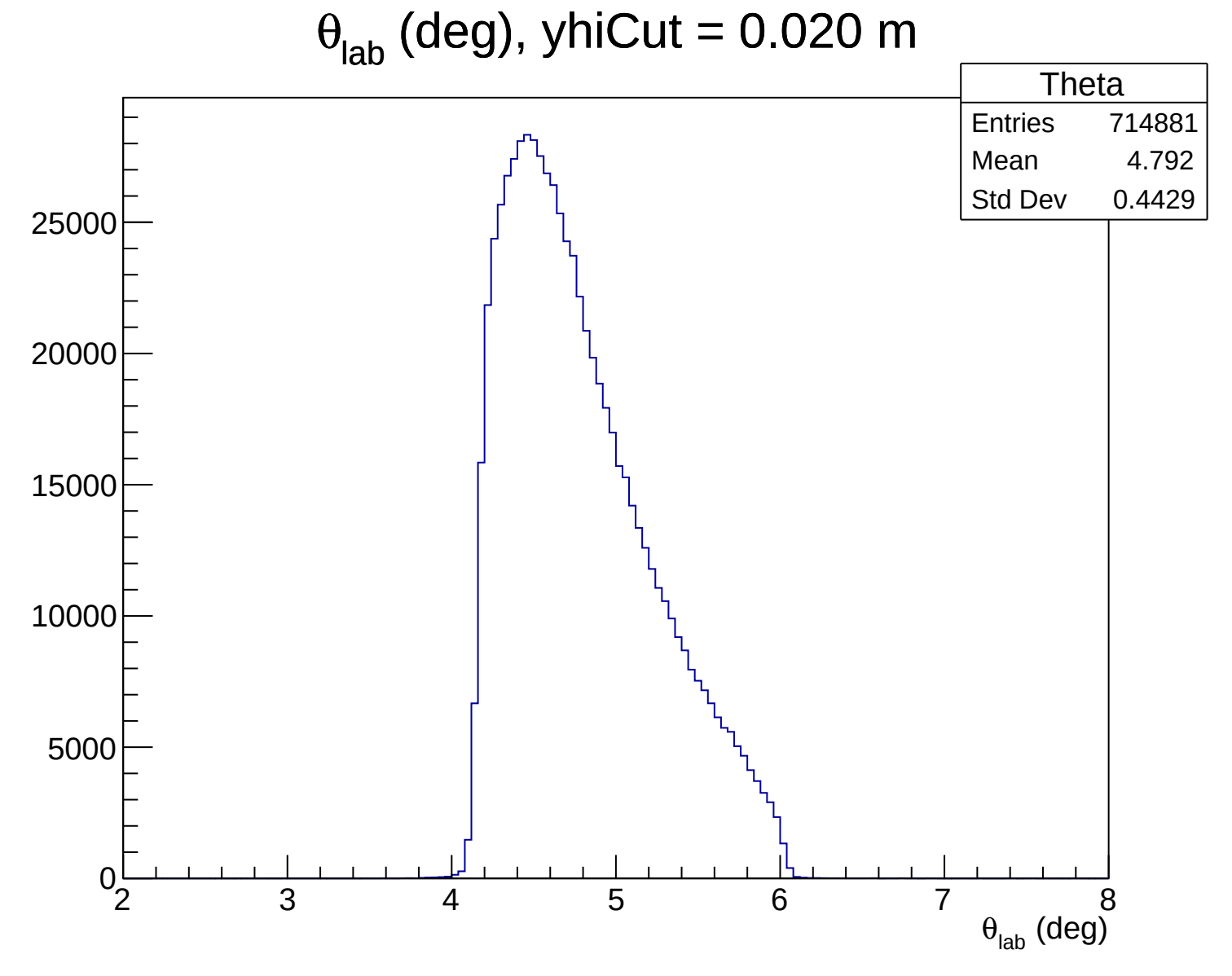

Sensitivity, yhiCut = 0.018 m
sens
Entries 705340
Mean 0.02233
Std Dev 0.003834
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

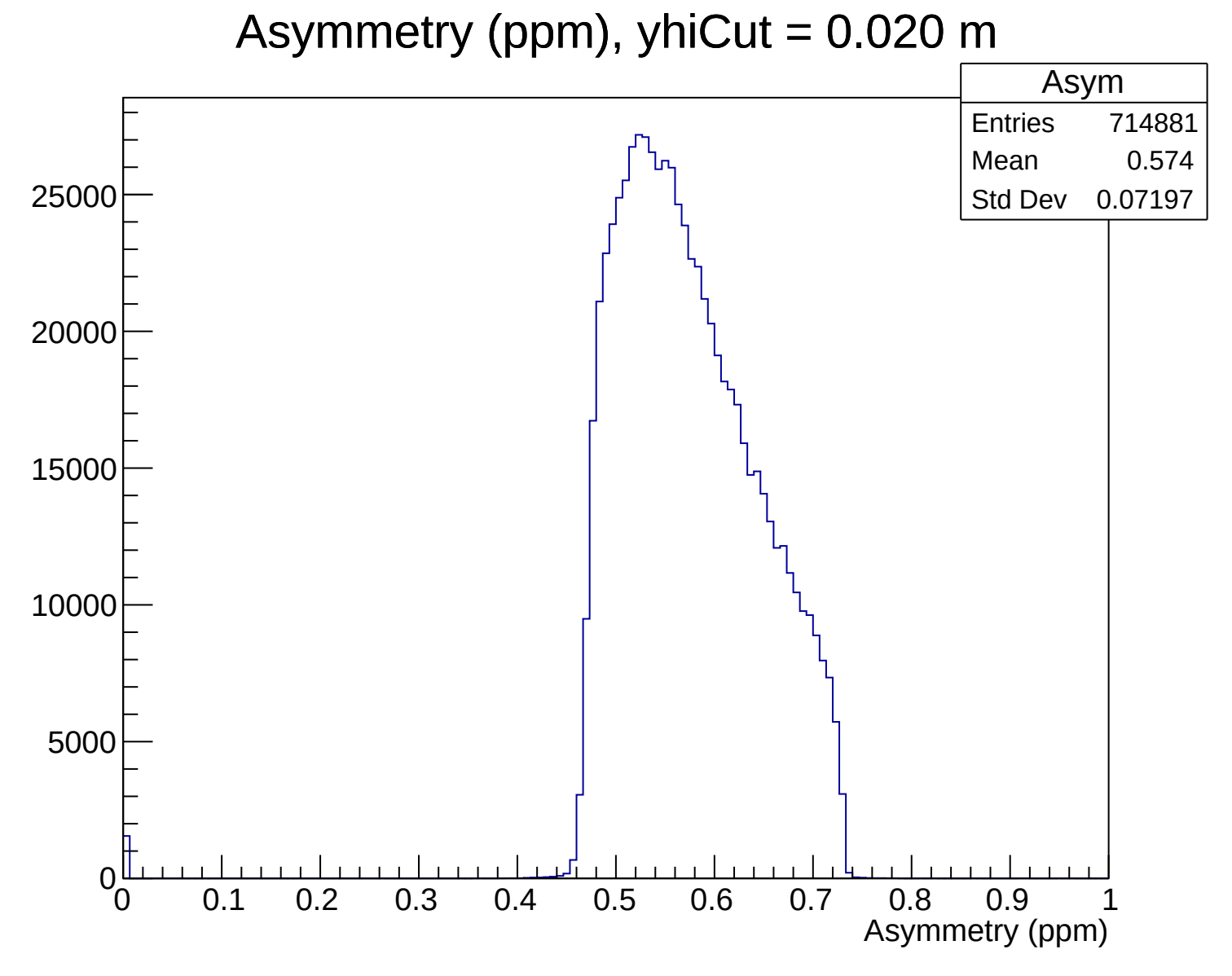

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

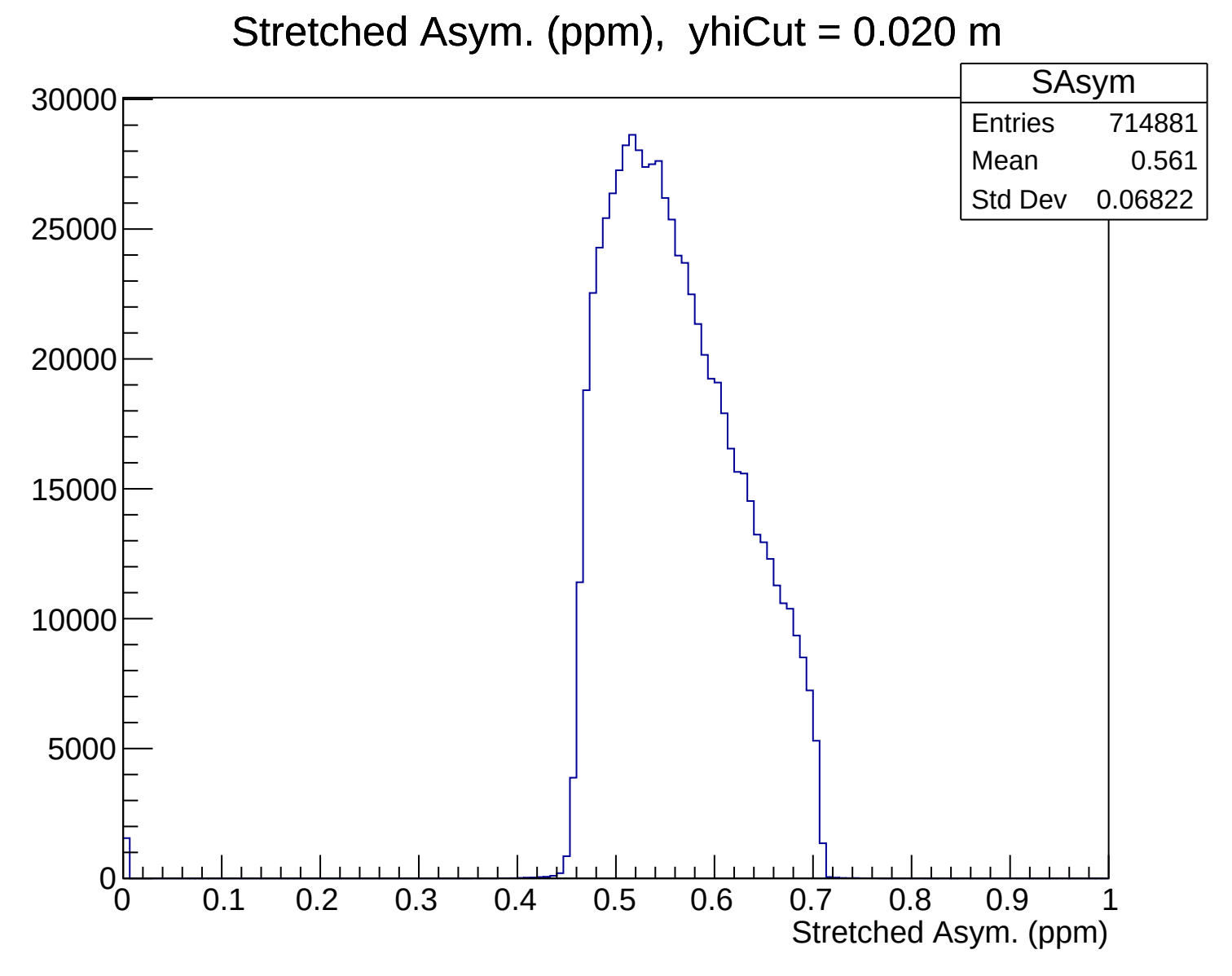

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.020
R.tr.y[0]+1.3*R.tr.ph[0] (m)

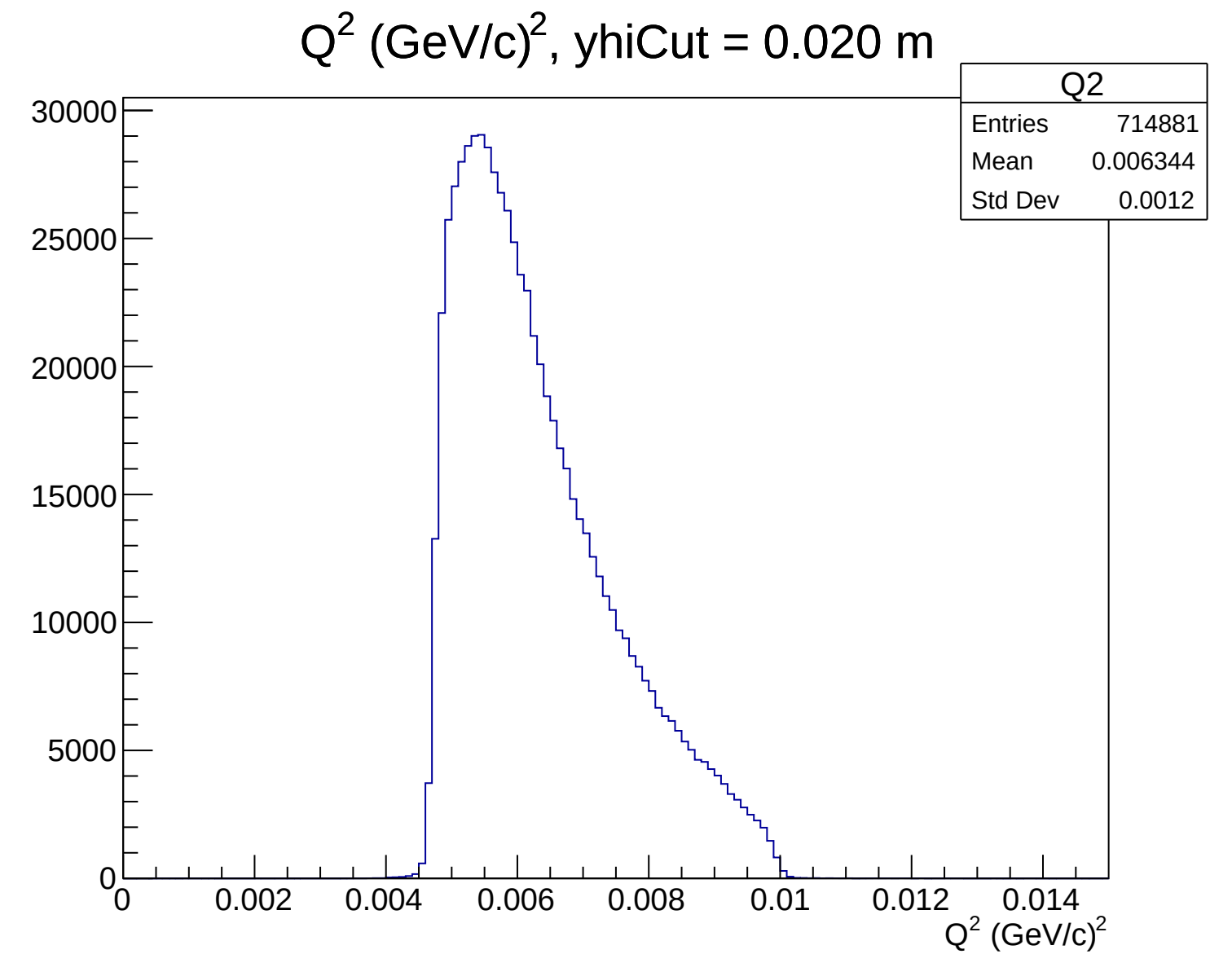

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

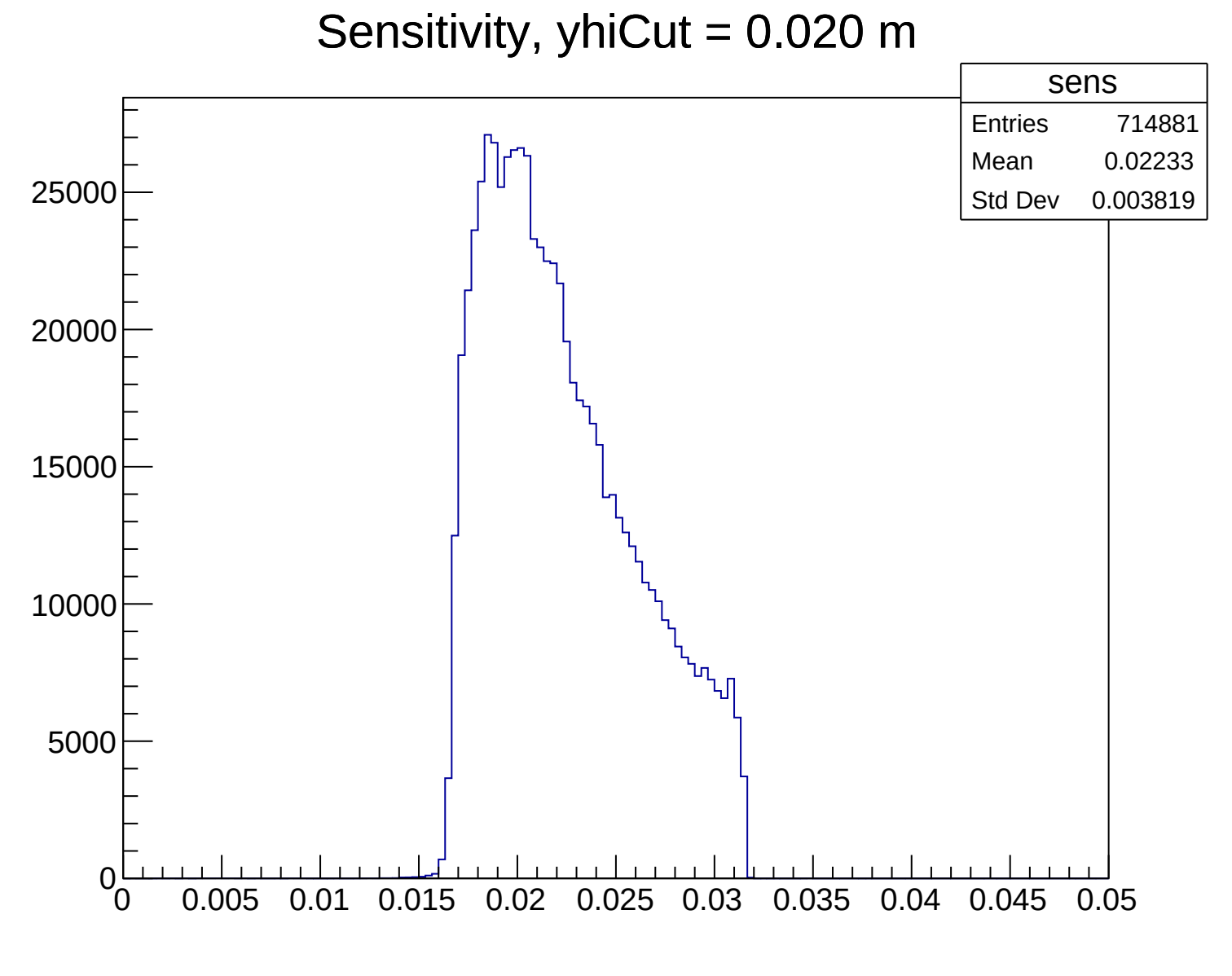

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

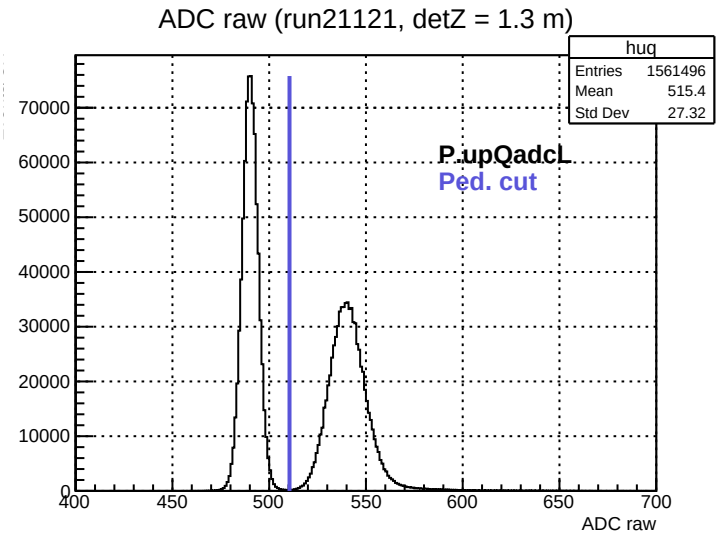

θlab (deg), yhiCut = 0.020 m
Theta
Entries 714881
Mean 4.792
Std Dev 0.4429
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

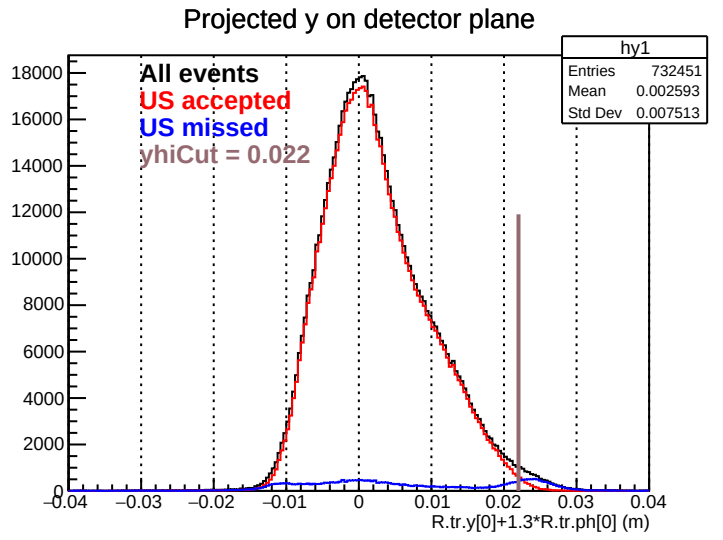

Asymmetry (ppm), yhiCut = 0.020 m
Asym
Entries 714881
Mean 0.574
Std Dev 0.07197
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

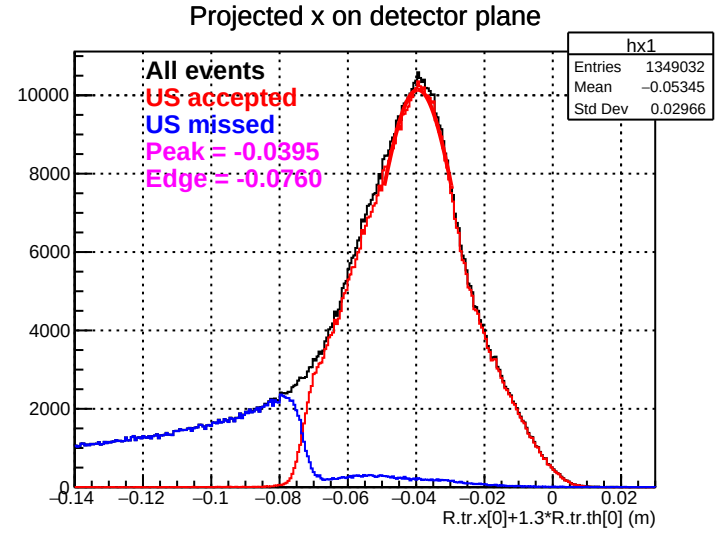

Stretched Asym. (ppm), yhiCut = 0.020 m
SAsym
Entries 714881
Mean 0.561
Std Dev 0.06822
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

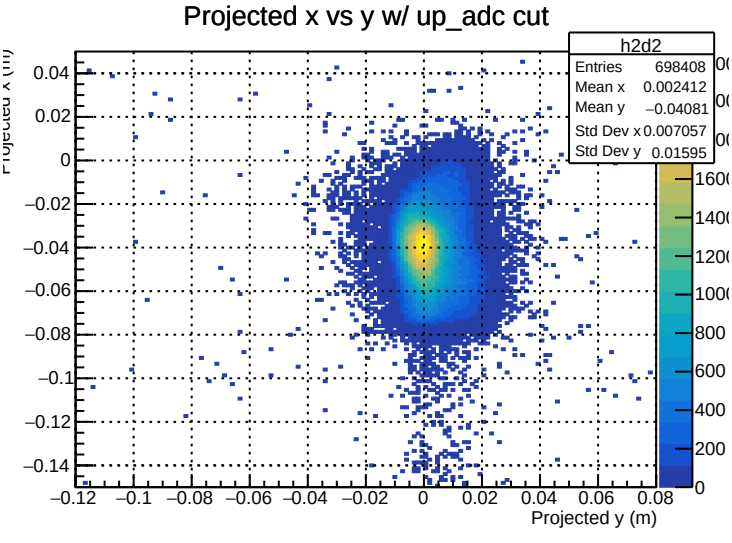

Q^2 (GeV/c)^2, yhiCut = 0.020 m
Q2
Entries 714881
Mean 0.006344
Std Dev 0.0012
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

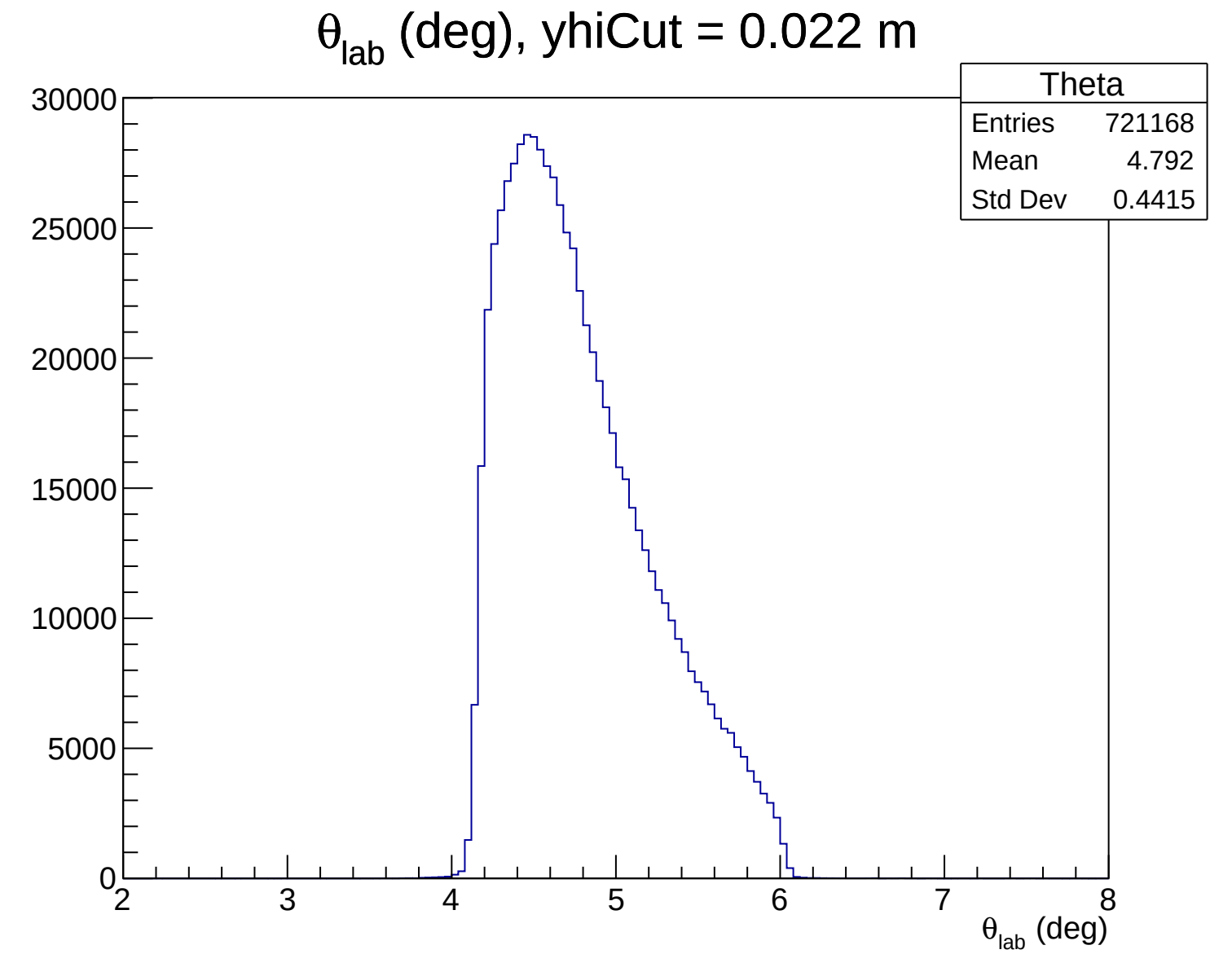

Sensitivity, yhiCut = 0.020 m
sens
Entries 714881
Mean 0.02233
Std Dev 0.003819
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

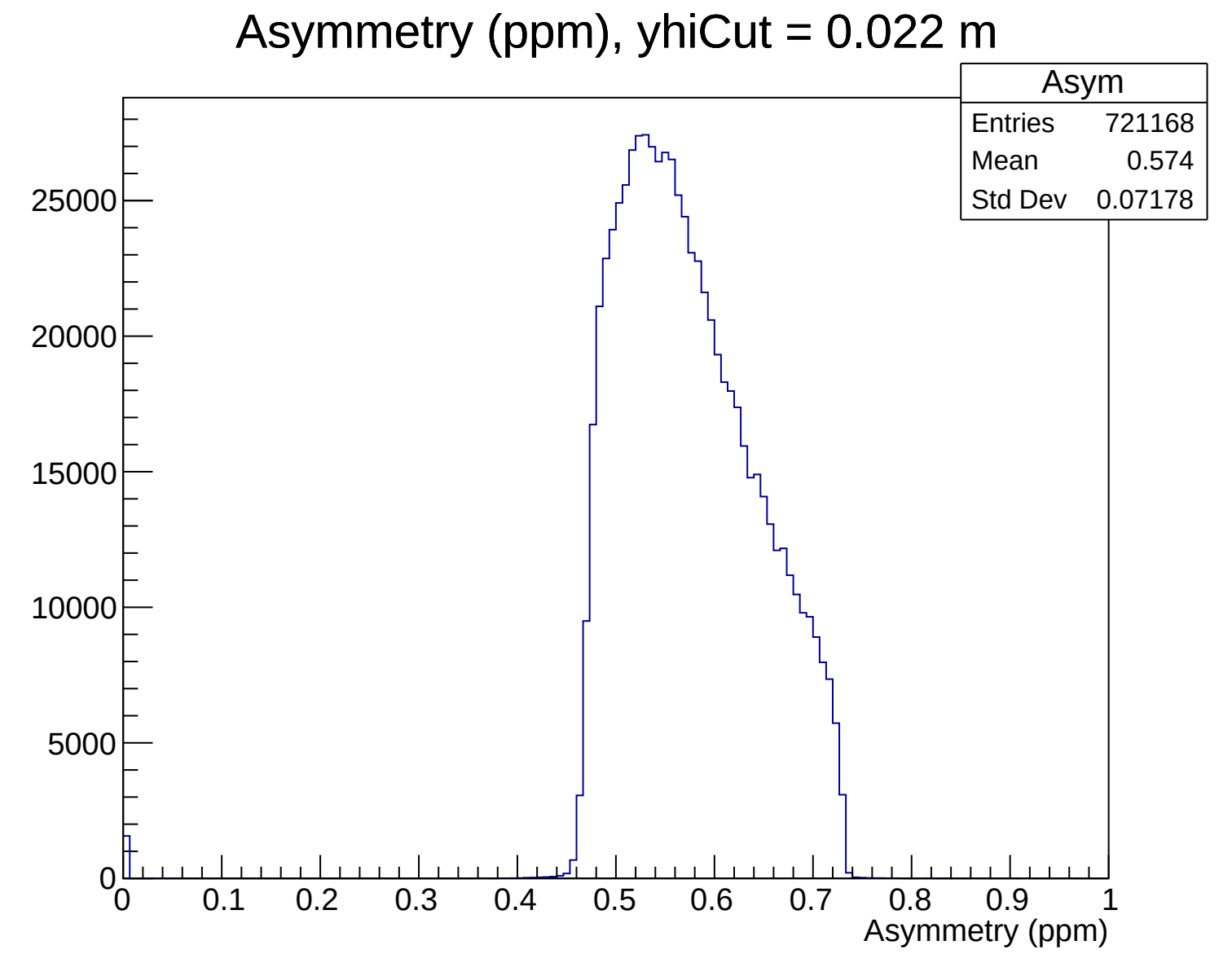

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

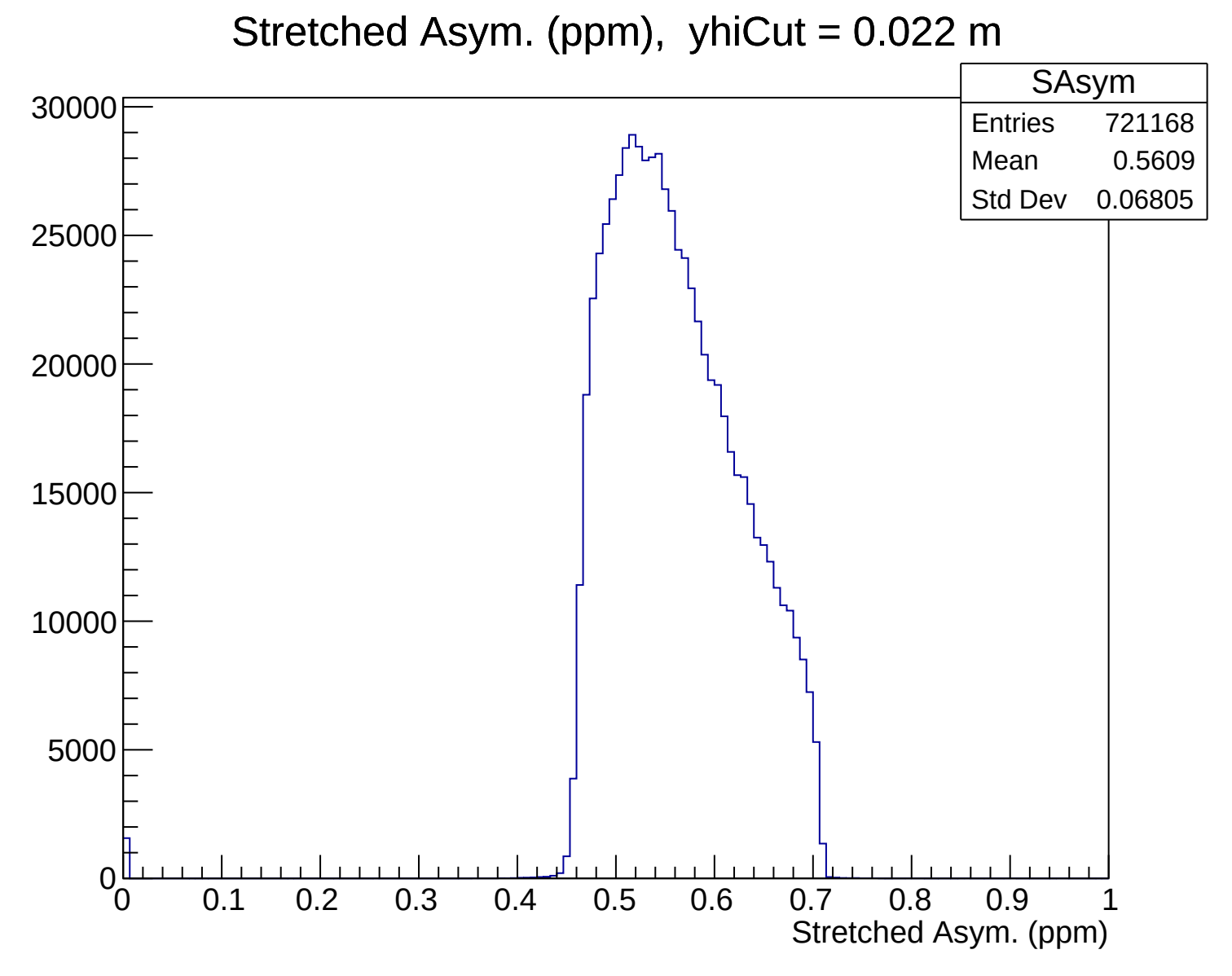

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.022
R.tr.y[0]+1.3*R.tr.ph[0] (m)

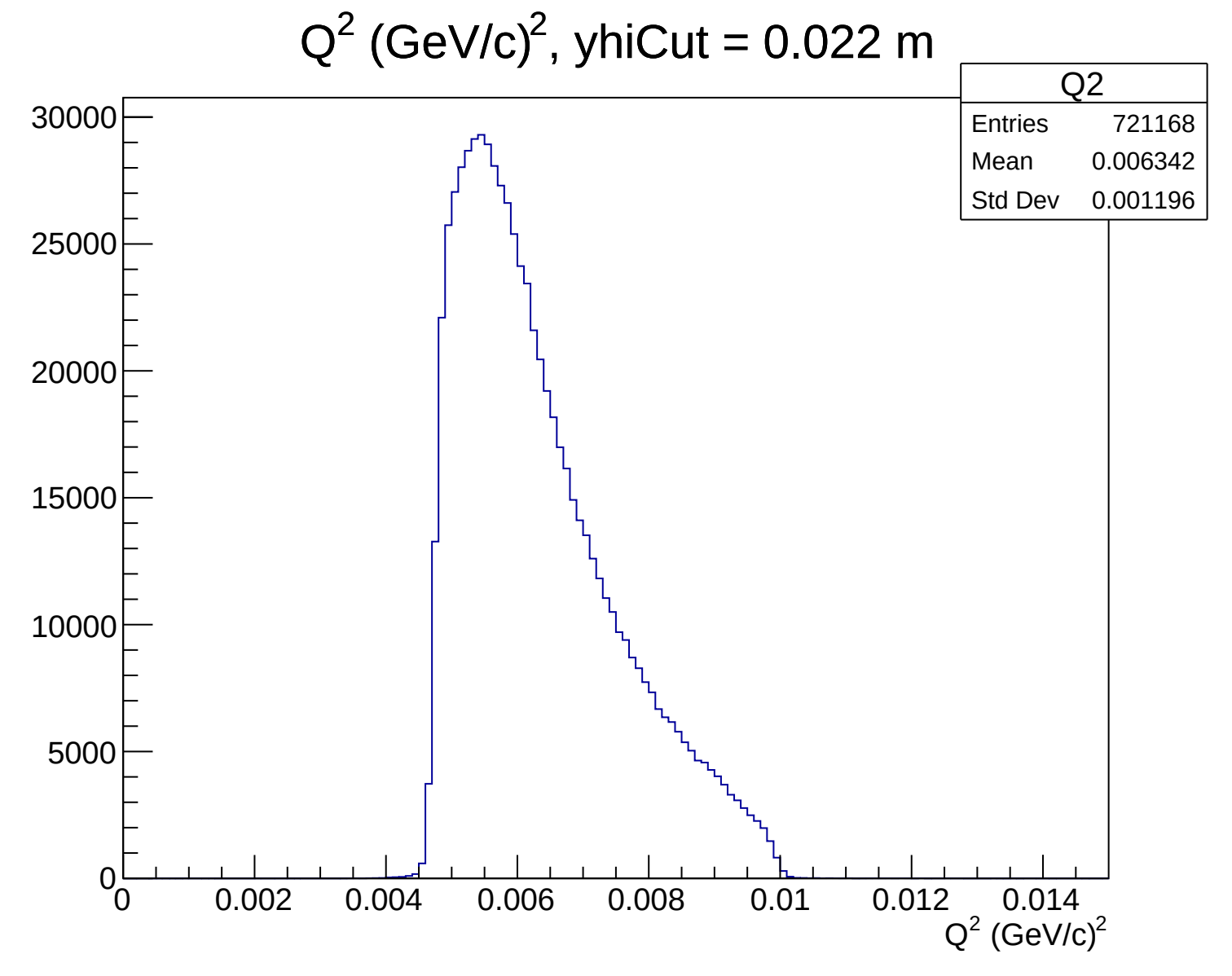

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

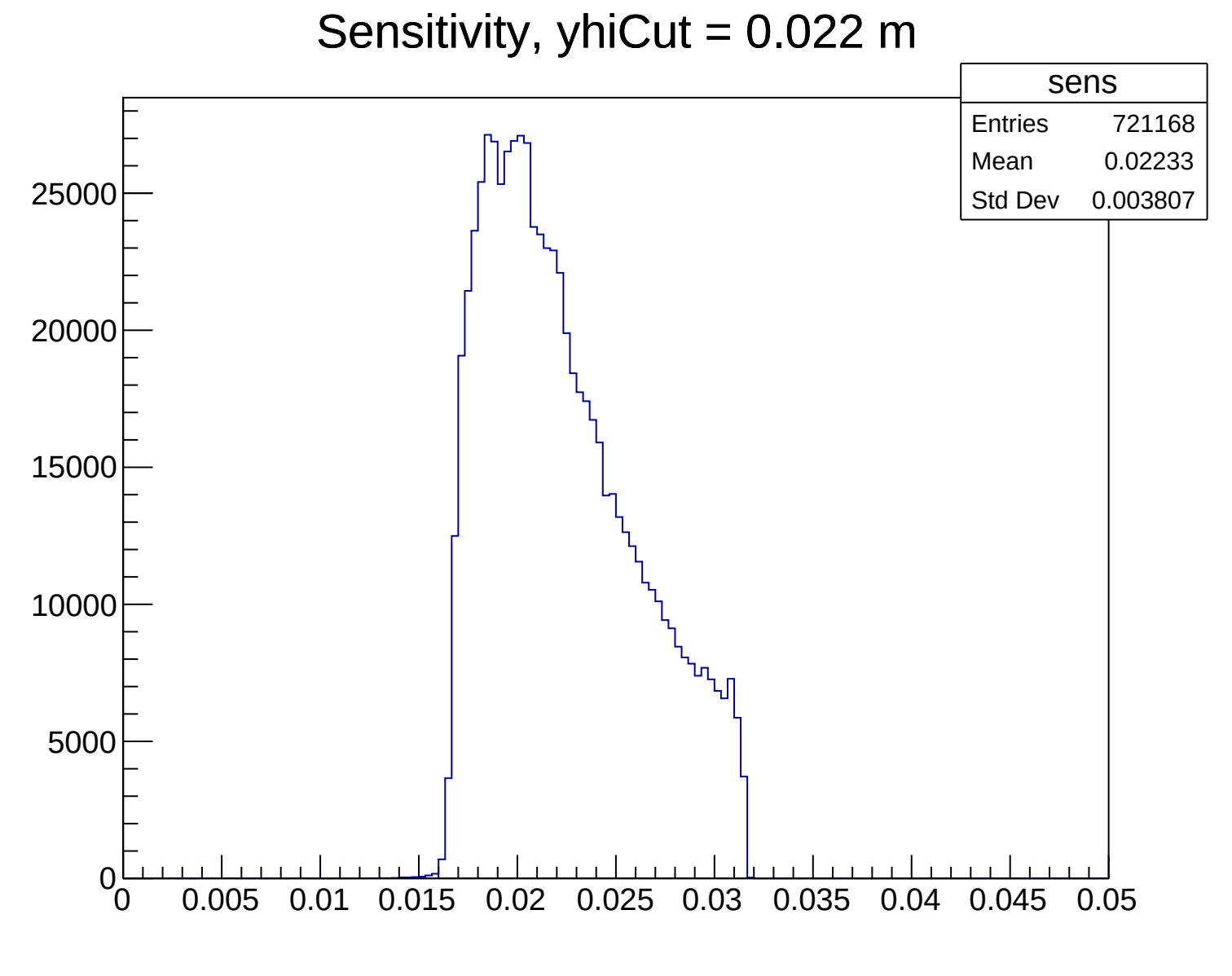

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

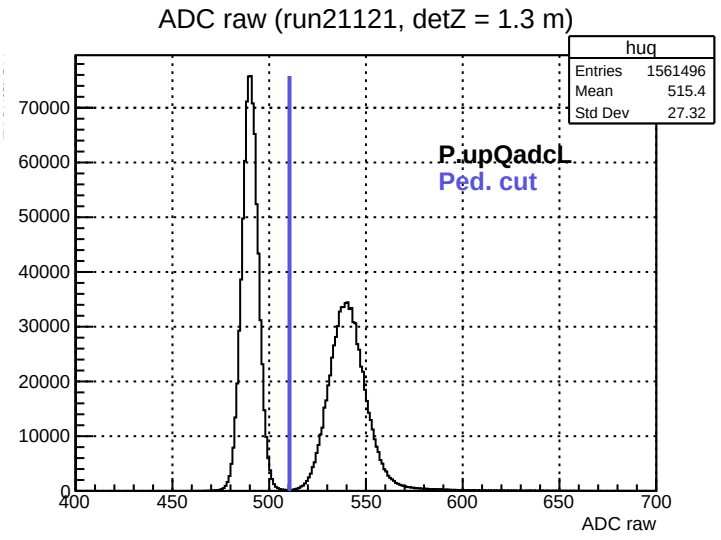

θlab (deg), yhiCut = 0.022 m
Theta
Entries 721168
Mean 4.792
Std Dev 0.4415
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

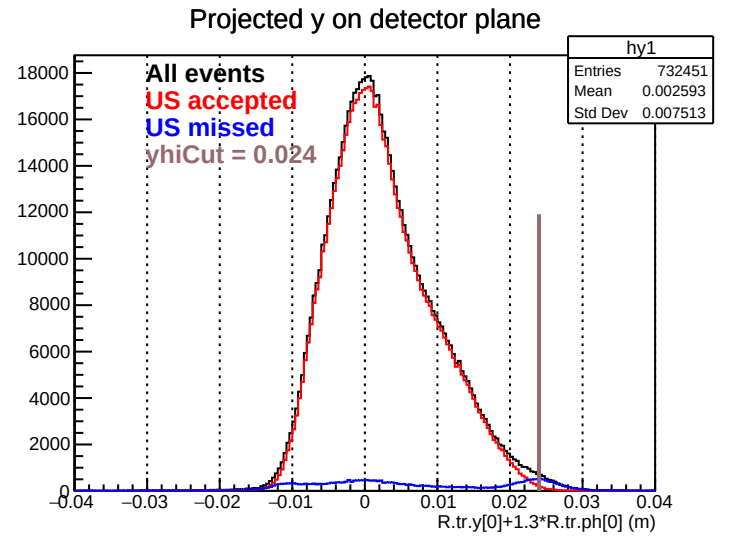

Asymmetry (ppm), yhiCut = 0.022 m
Asym
Entries 721168
Mean 0.574
Std Dev 0.07178
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

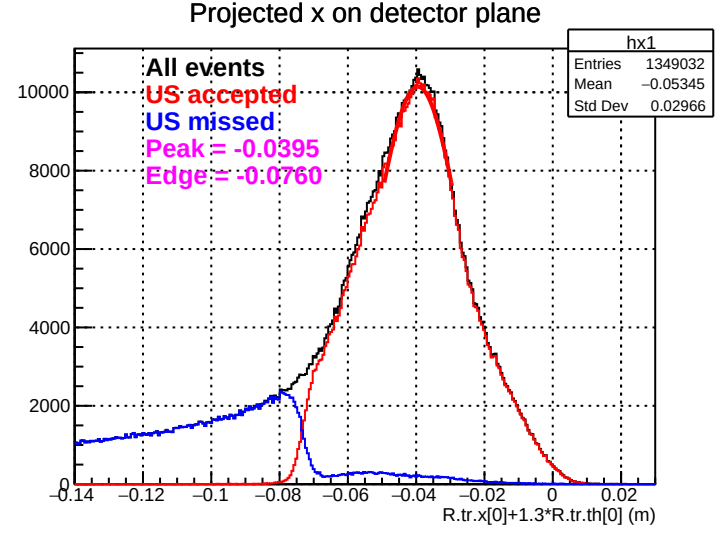

Stretched Asym. (ppm), yhiCut = 0.022 m
SAsym
Entries 721168
Mean 0.5609
Std Dev 0.06805
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

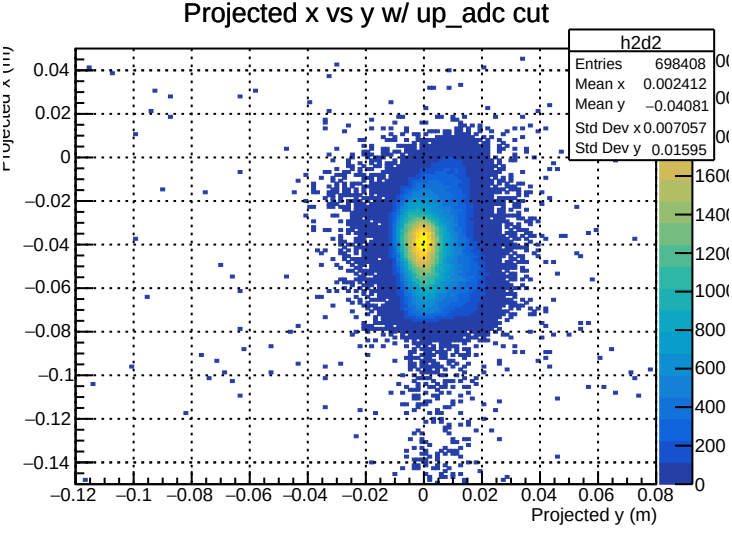

Q^2 (GeV/c)^2, yhiCut = 0.022 m
Q2
Entries 721168
Mean 0.006342
Std Dev 0.001196
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

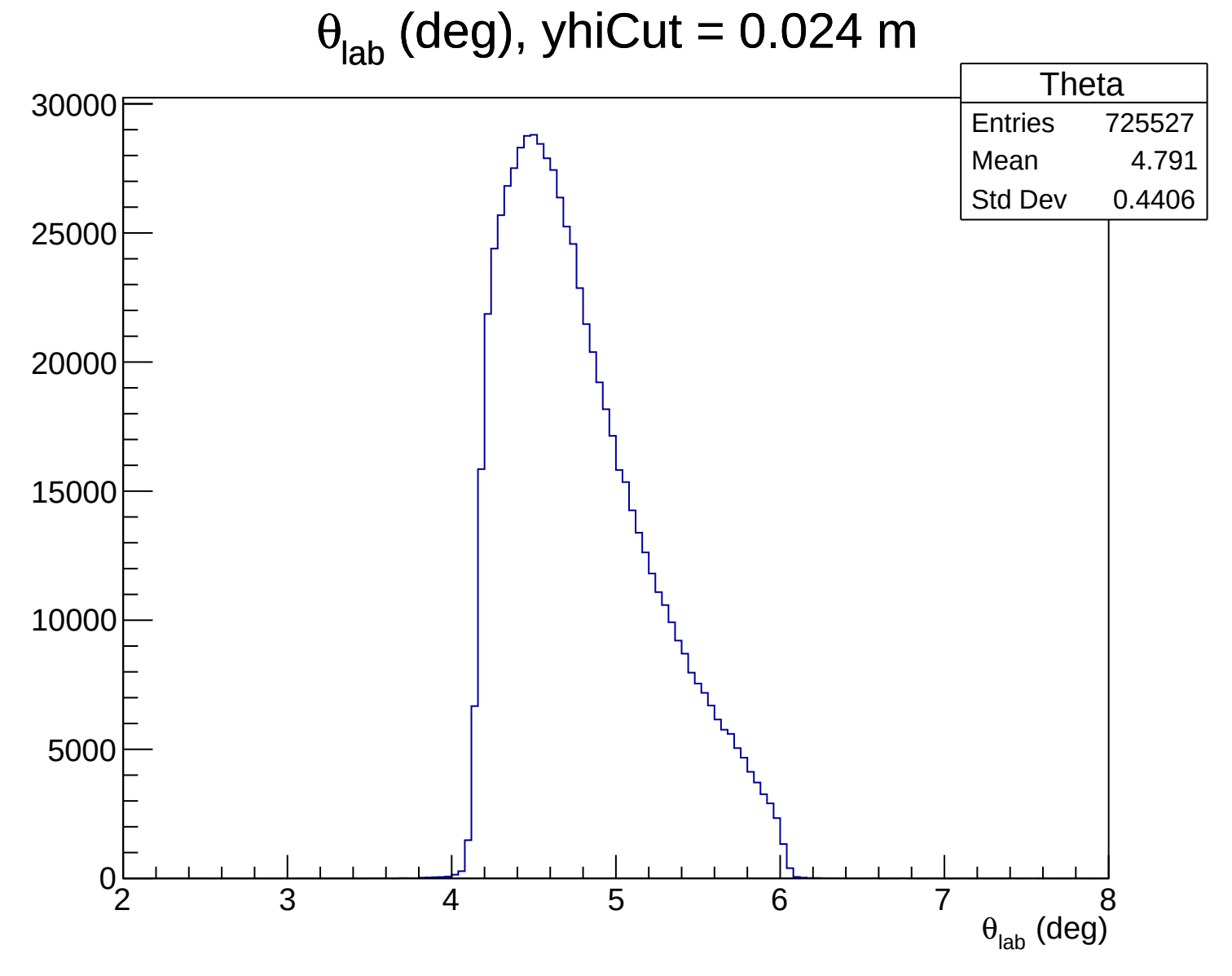

Sensitivity, yhiCut = 0.022 m
sens
Entries 721168
Mean 0.02233
Std Dev 0.003807
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

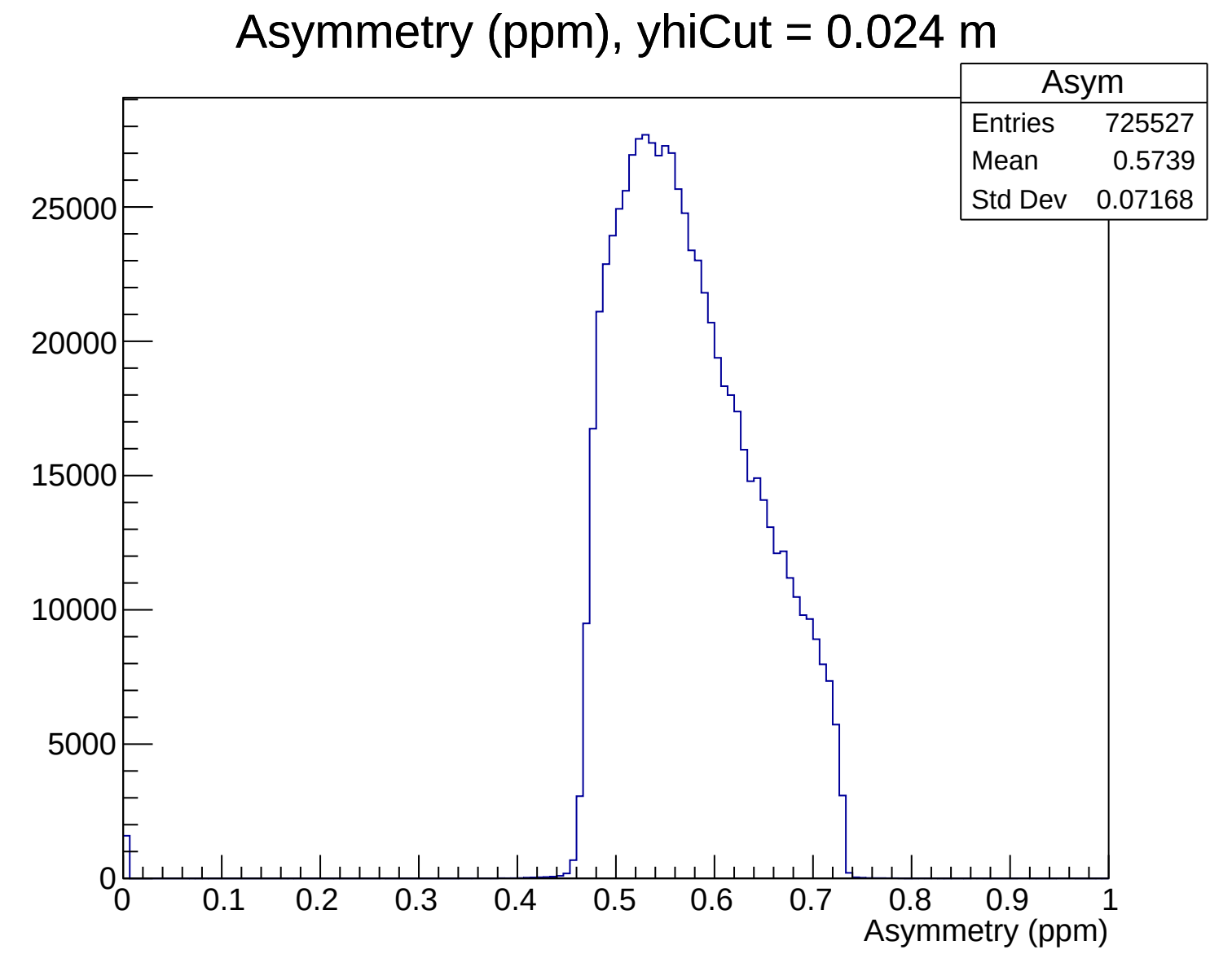

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

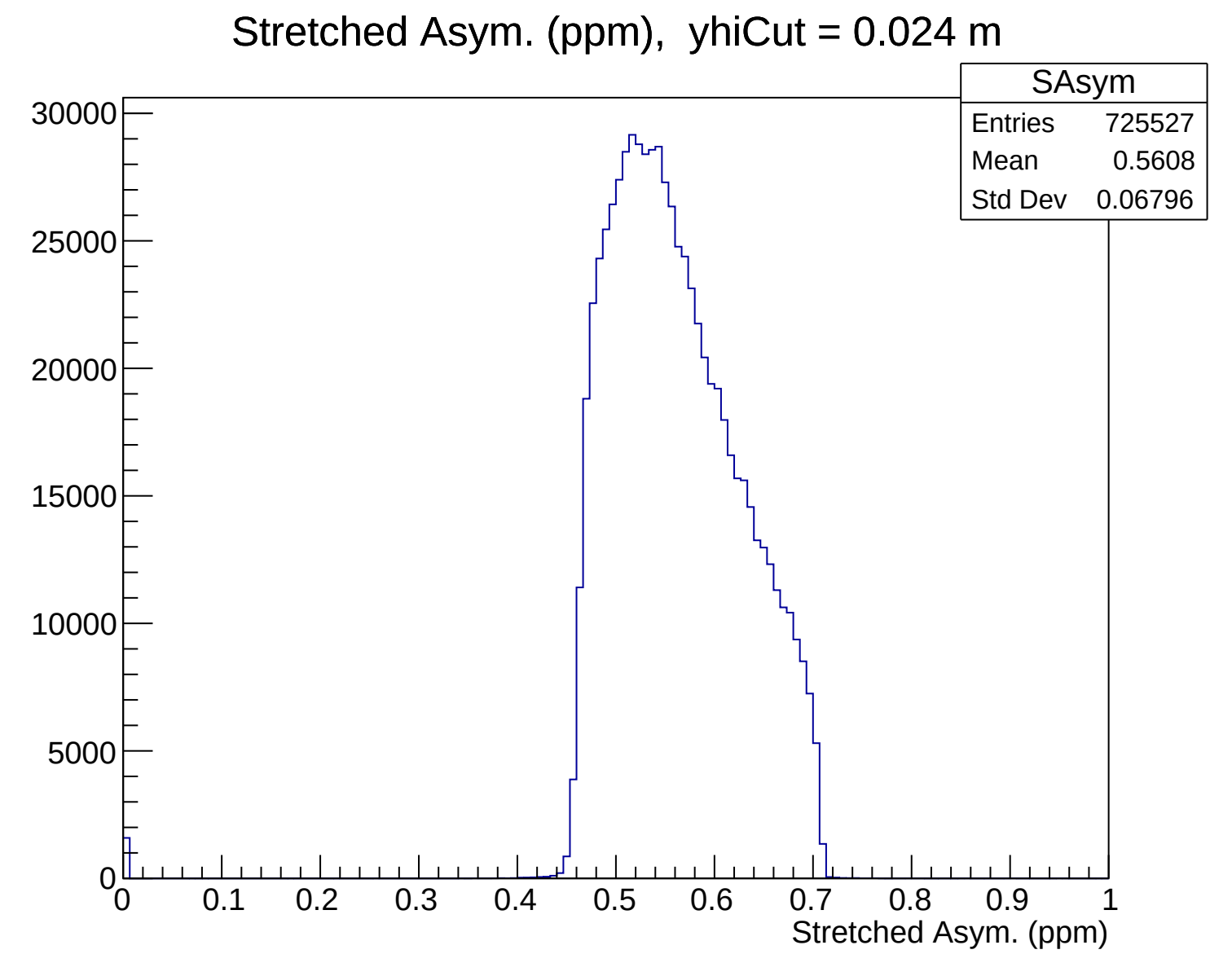

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.024
R.tr.y[0]+1.3*R.tr.ph[0] (m)

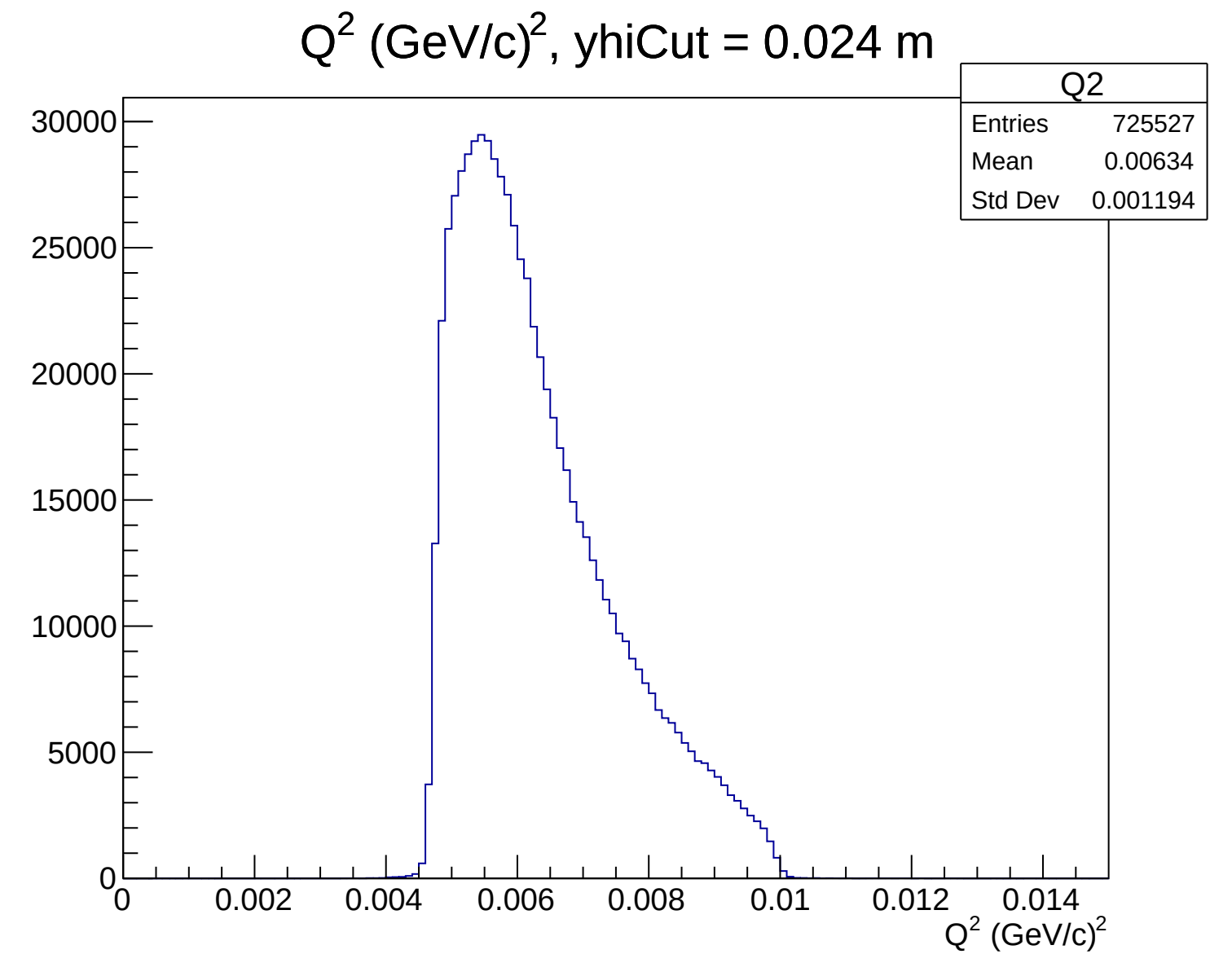

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

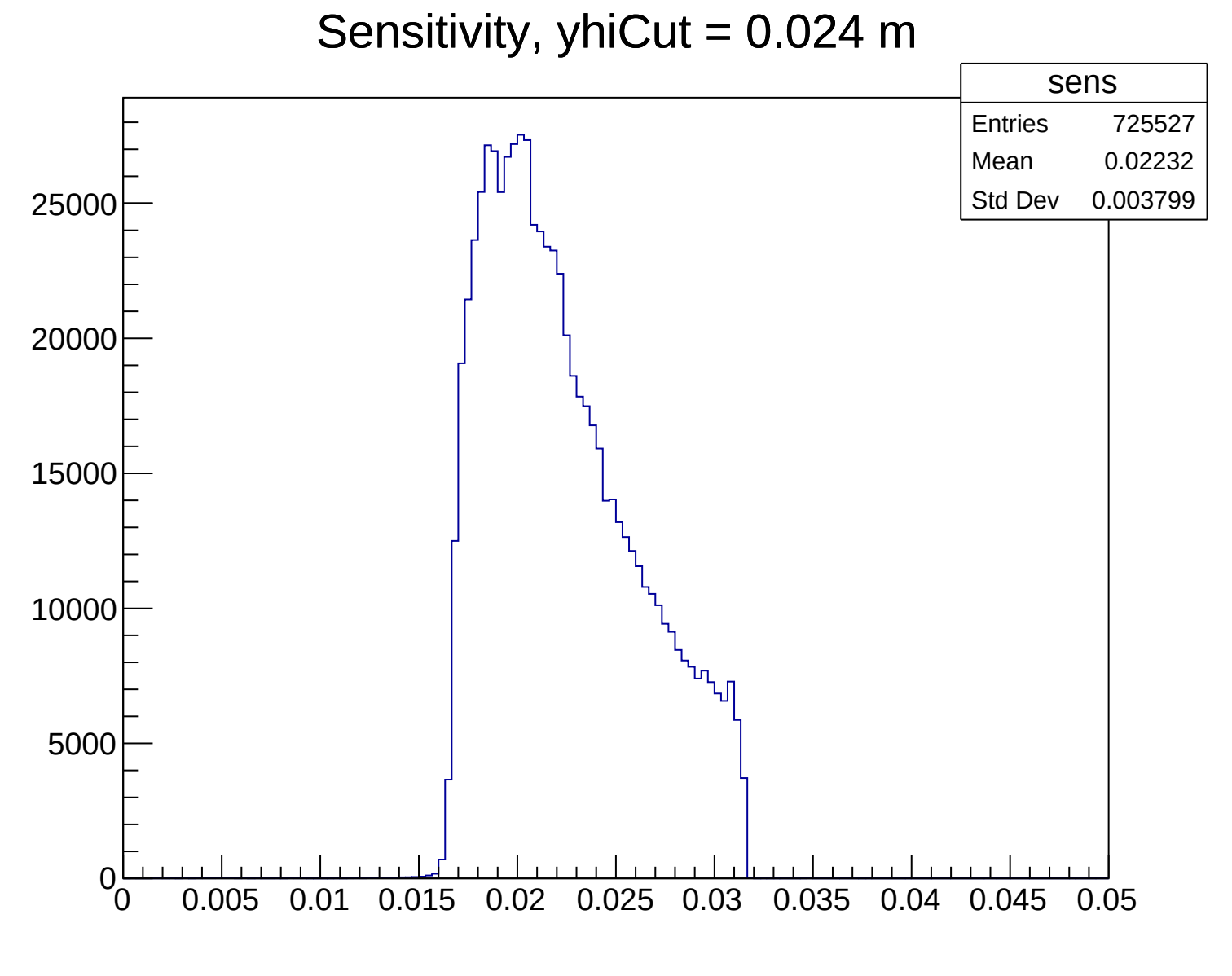

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

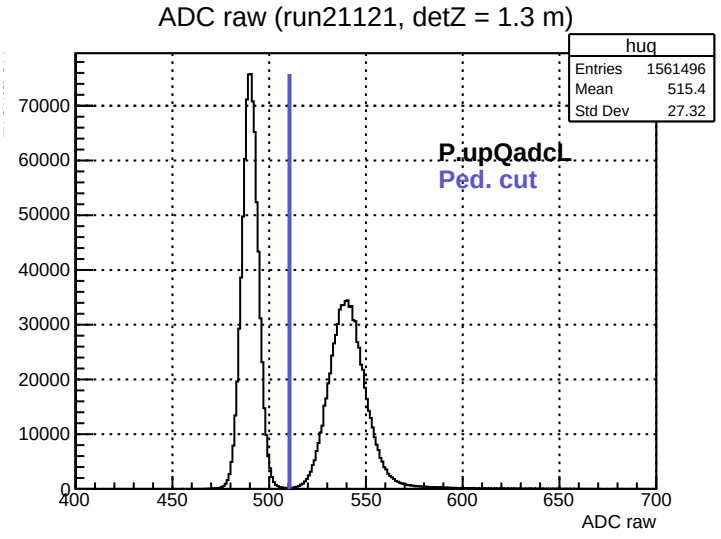

θlab (deg), yhiCut = 0.024 m
Theta
Entries 725527
Mean 4.791
Std Dev 0.4406
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

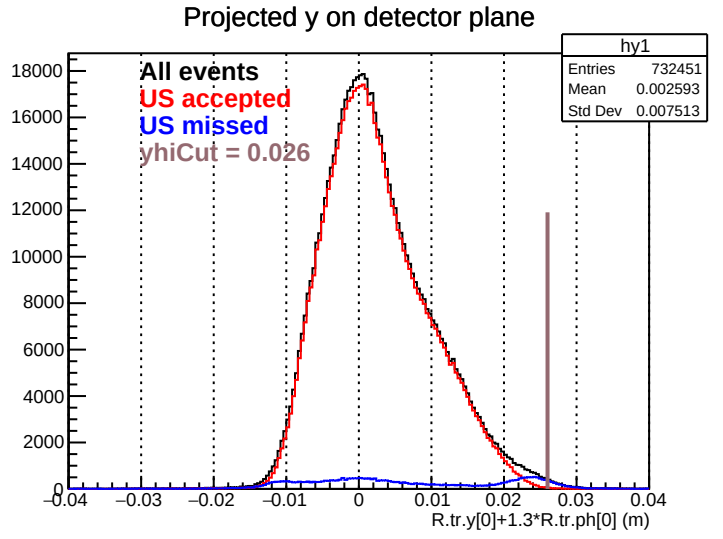

Asymmetry (ppm), yhiCut = 0.024 m
Asym
Entries 725527
Mean 0.5739
Std Dev 0.07168
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

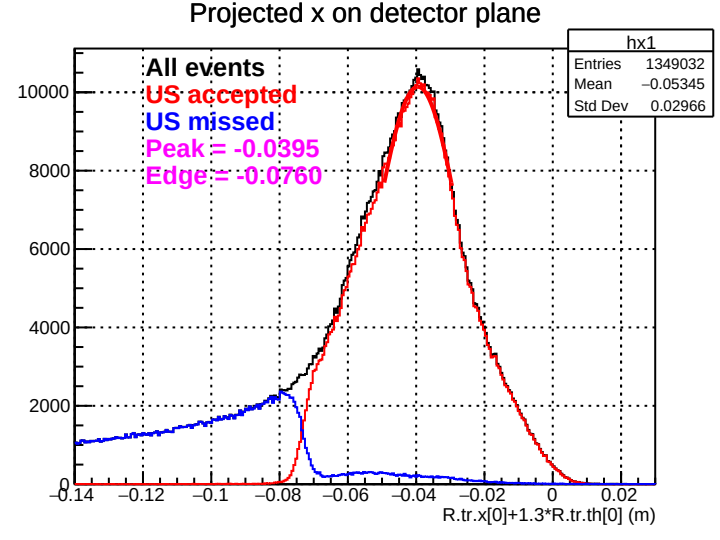

Stretched Asym. (ppm), yhiCut = 0.024 m
SAsym
Entries 725527
Mean 0.5608
Std Dev 0.06796
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

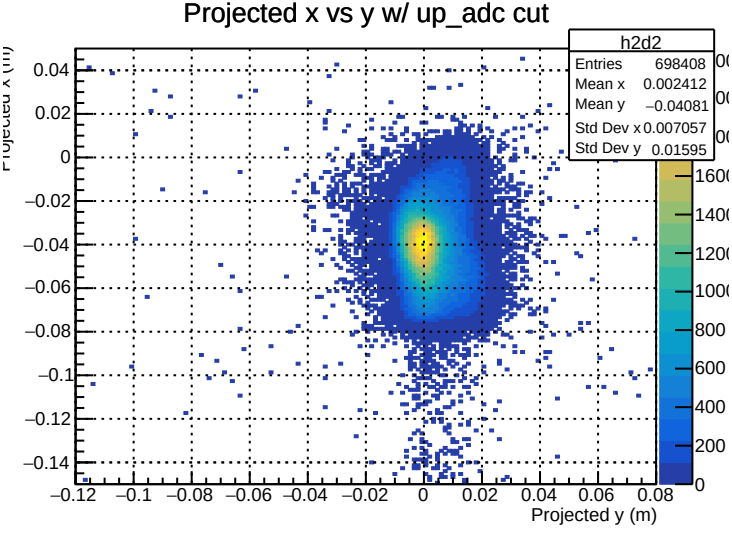

Q^2 (GeV/c)^2, yhiCut = 0.024 m
Q2
Entries 725527
Mean 0.00634
Std Dev 0.001194
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

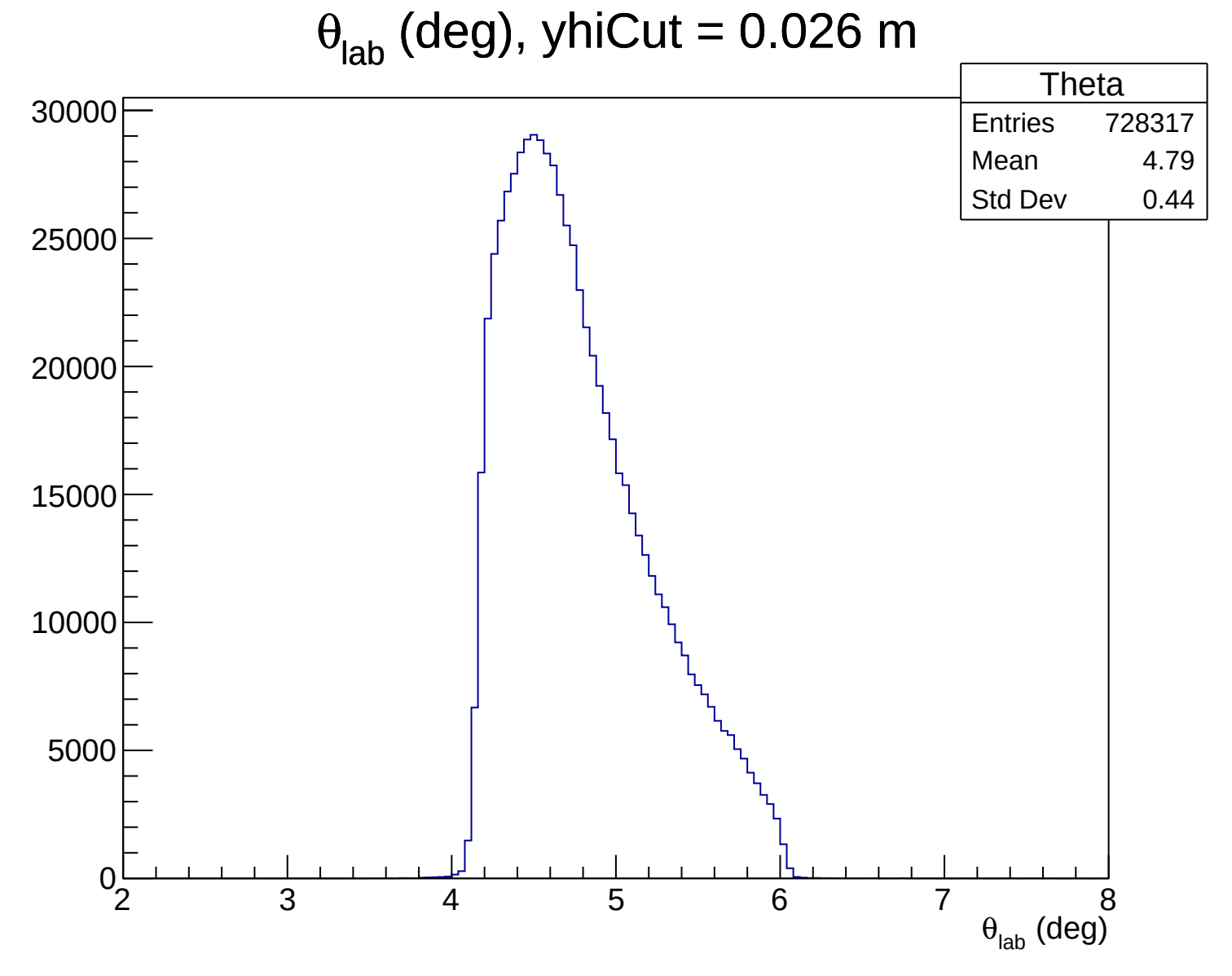

Sensitivity, yhiCut = 0.024 m
sens
Entries 725527
Mean 0.02232
Std Dev 0.003799
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

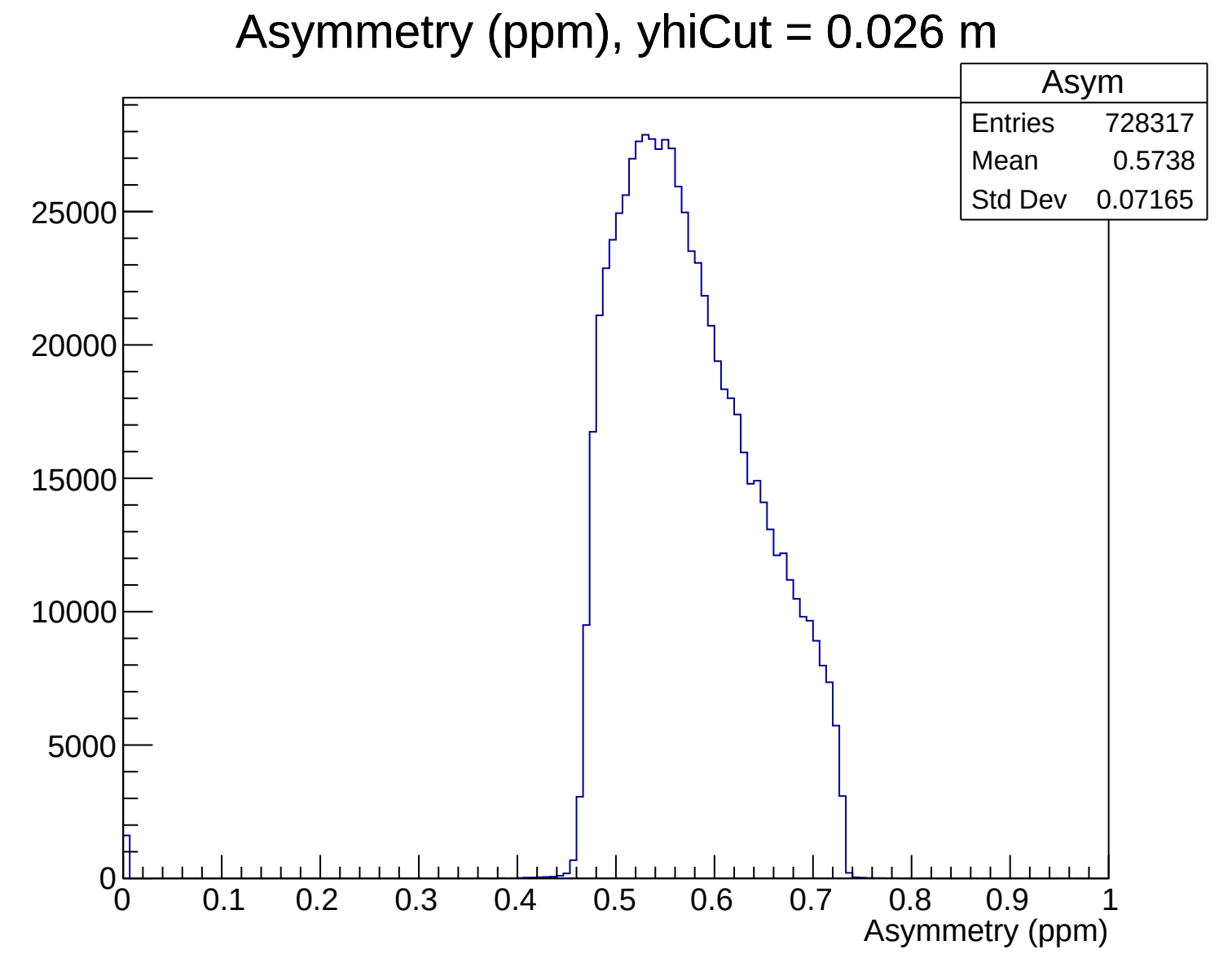

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

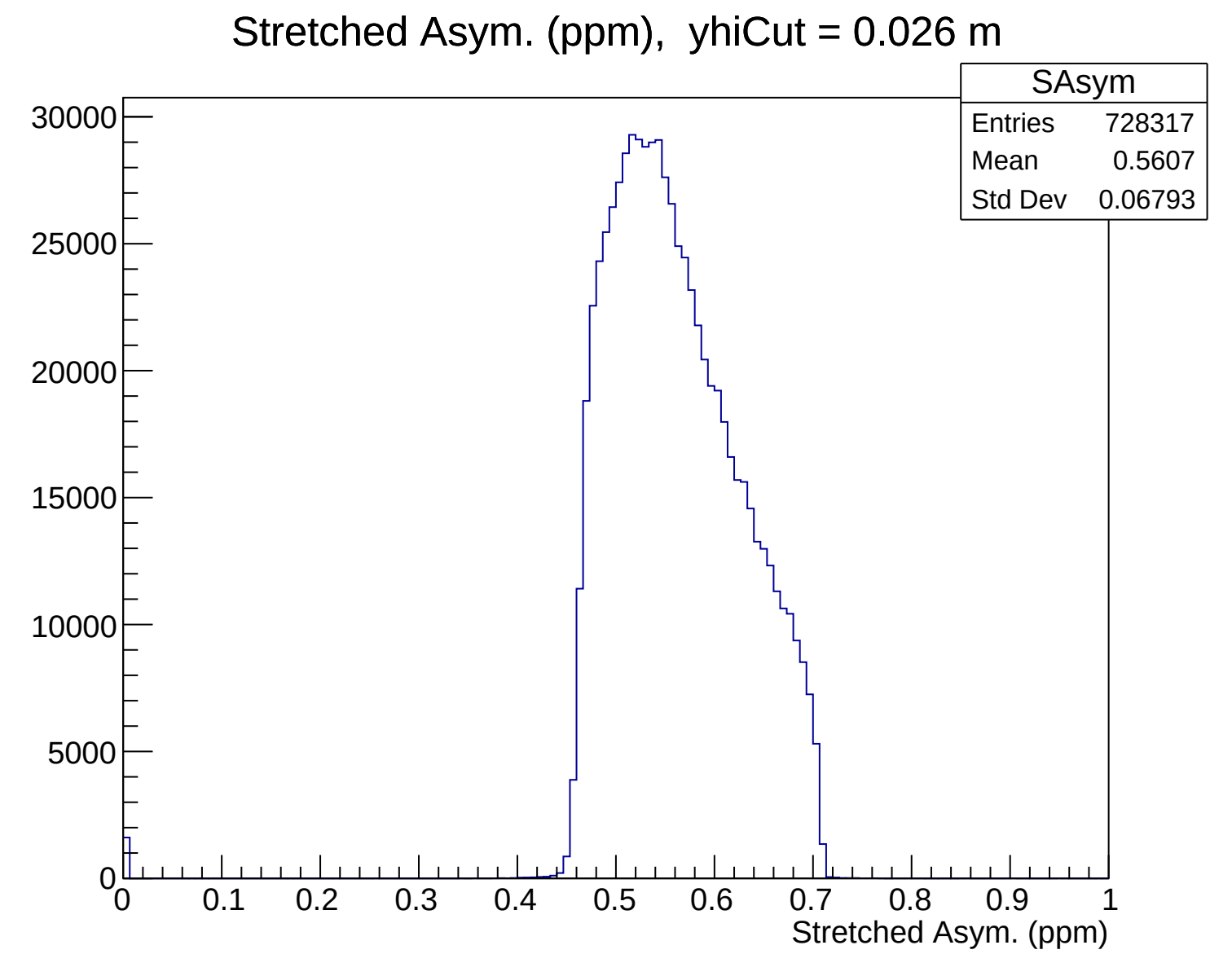

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.026
R.tr.y[0]+1.3*R.tr.ph[0] (m)

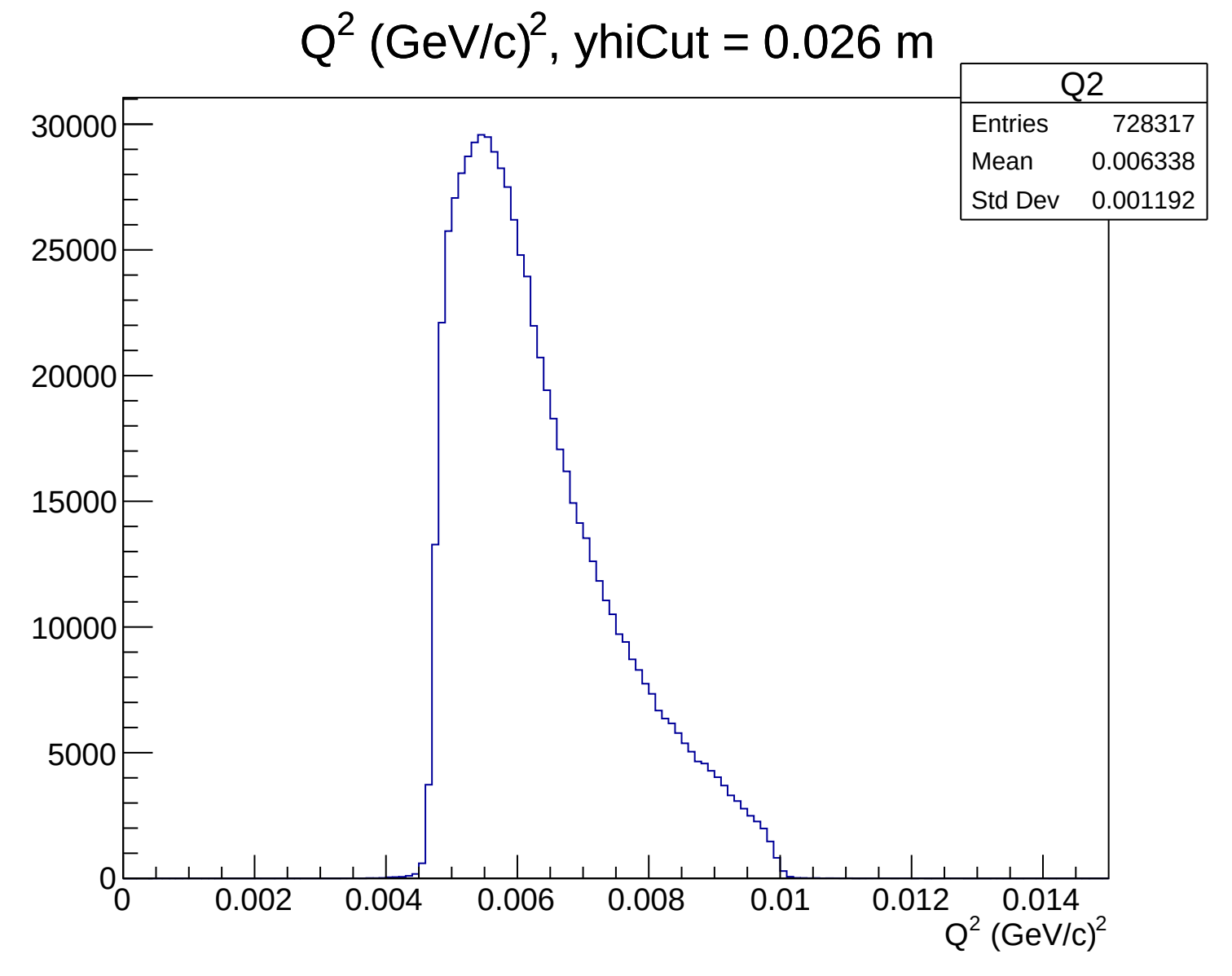

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

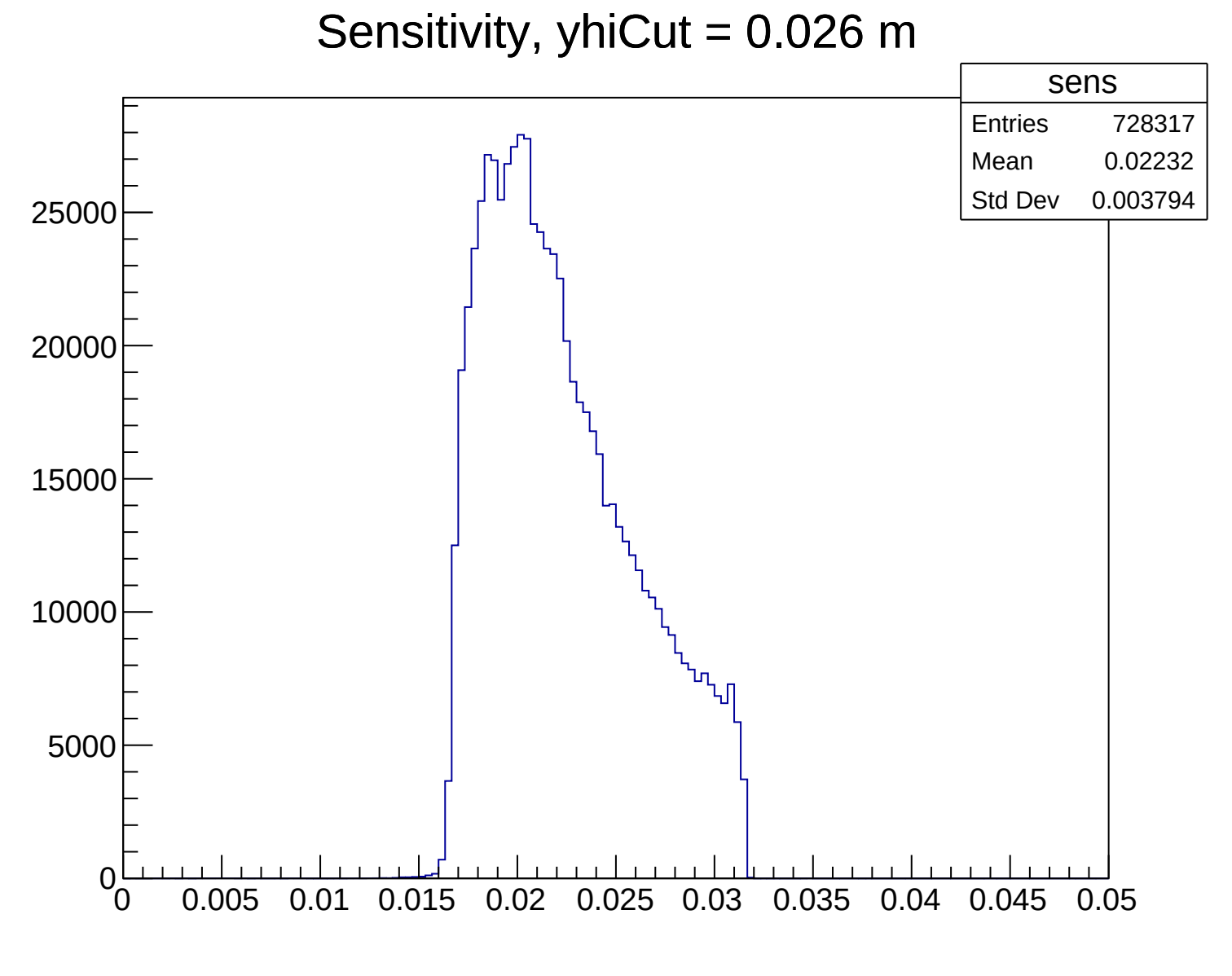

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

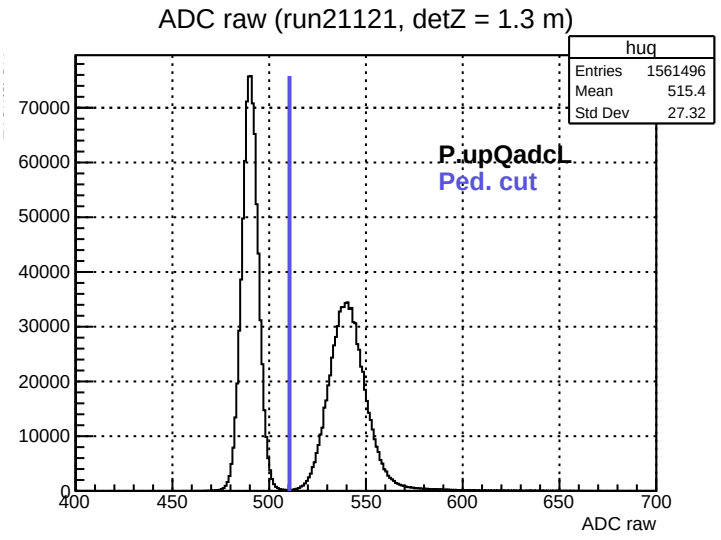

θlab (deg), yhiCut = 0.026 m
Theta
Entries 728317
Mean 4.79
Std Dev 0.44
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

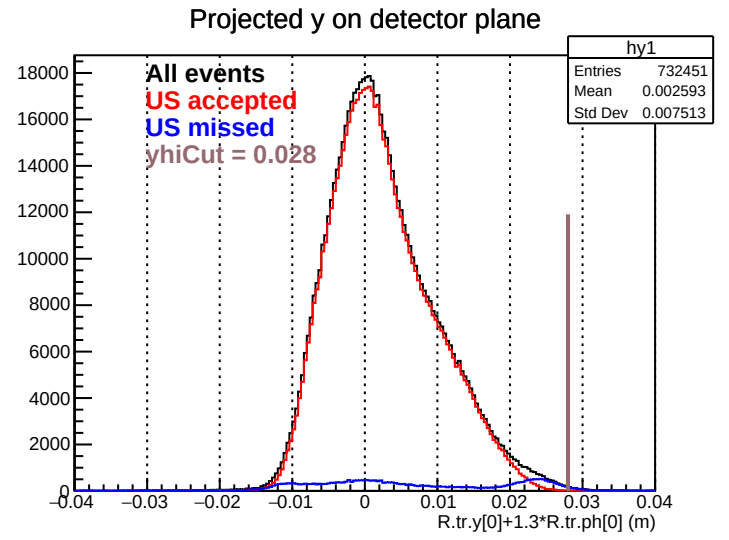

Asymmetry (ppm), yhiCut = 0.026 m
Asym
Entries 728317
Mean 0.5738
Std Dev 0.07165
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

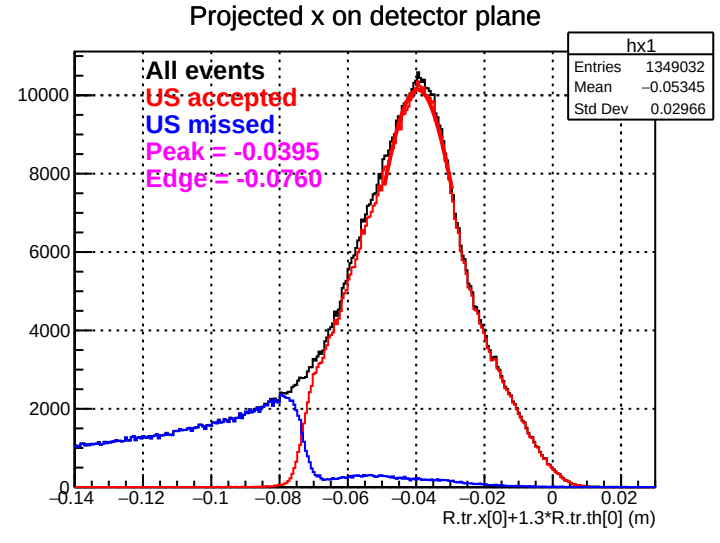

Stretched Asym. (ppm), yhiCut = 0.026 m
SAsym
Entries 728317
Mean 0.5607
Std Dev 0.06793
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

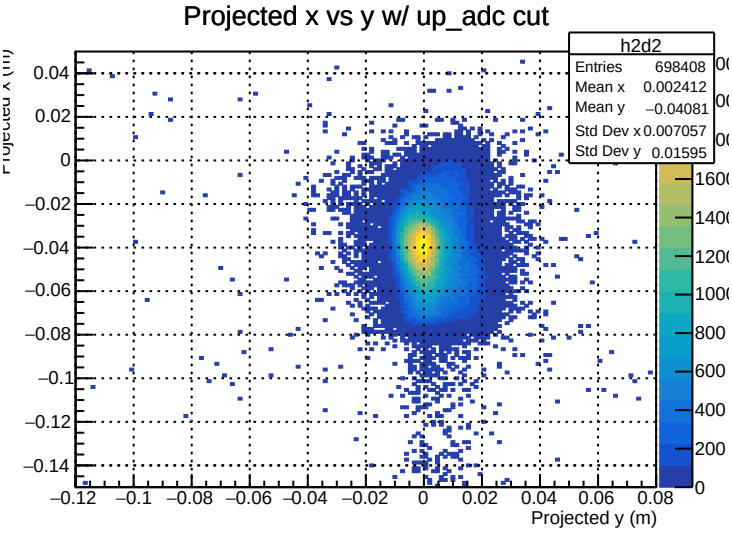

Q^2 (GeV/c)^2, yhiCut = 0.026 m
Q2
Entries 728317
Mean 0.006338
Std Dev 0.001192
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

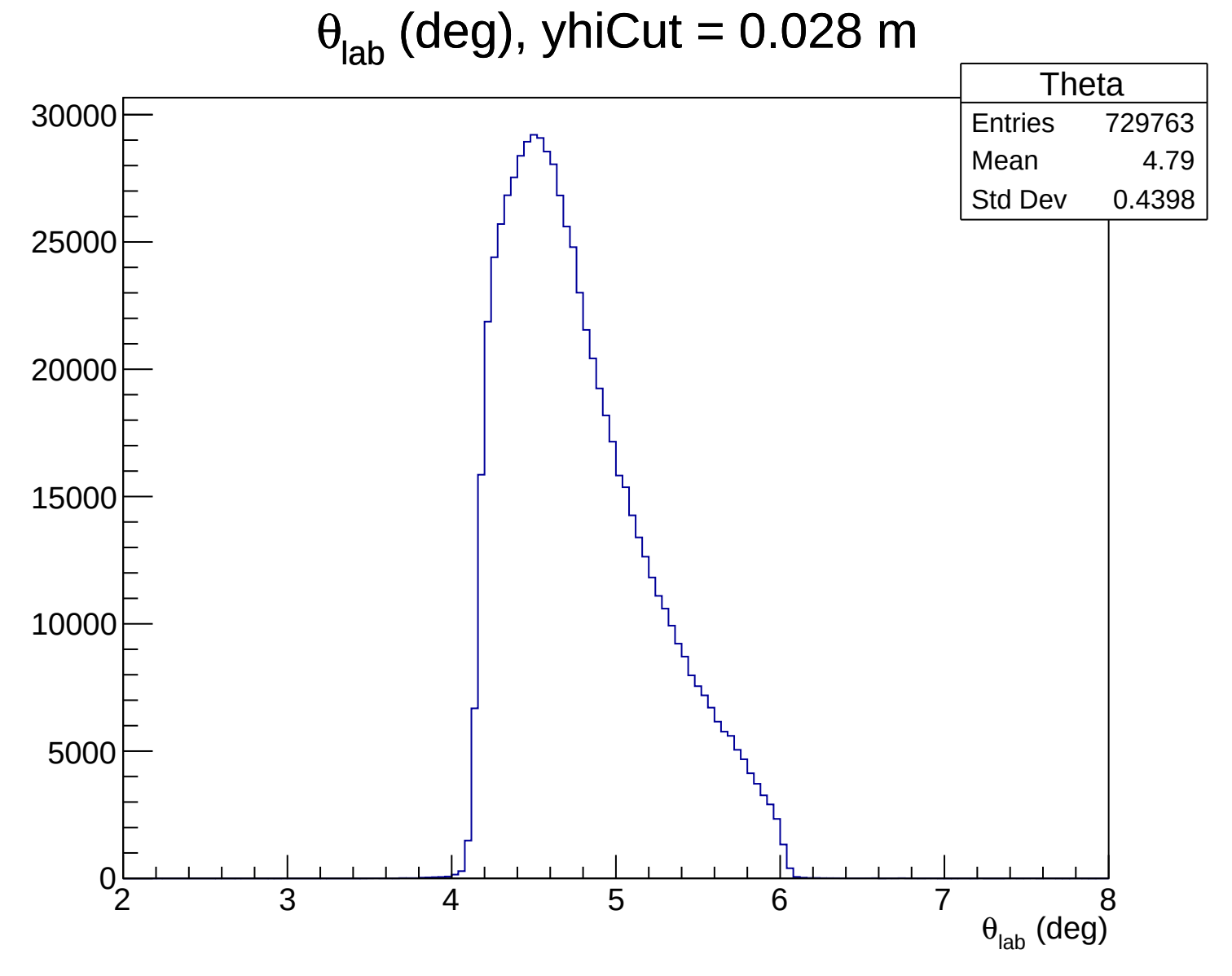

Sensitivity, yhiCut = 0.026 m
sens
Entries 728317
Mean 0.02232
Std Dev 0.003794
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

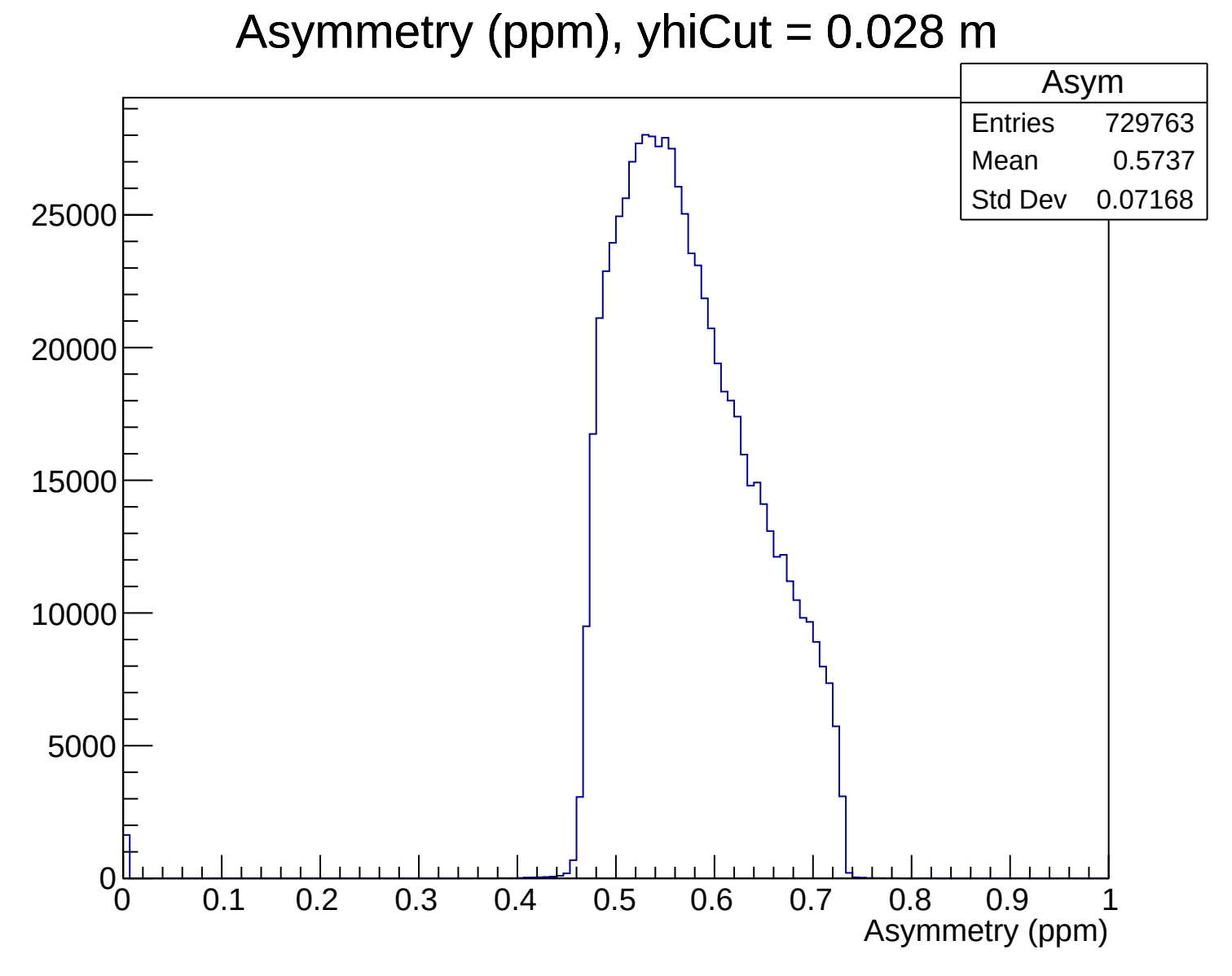

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

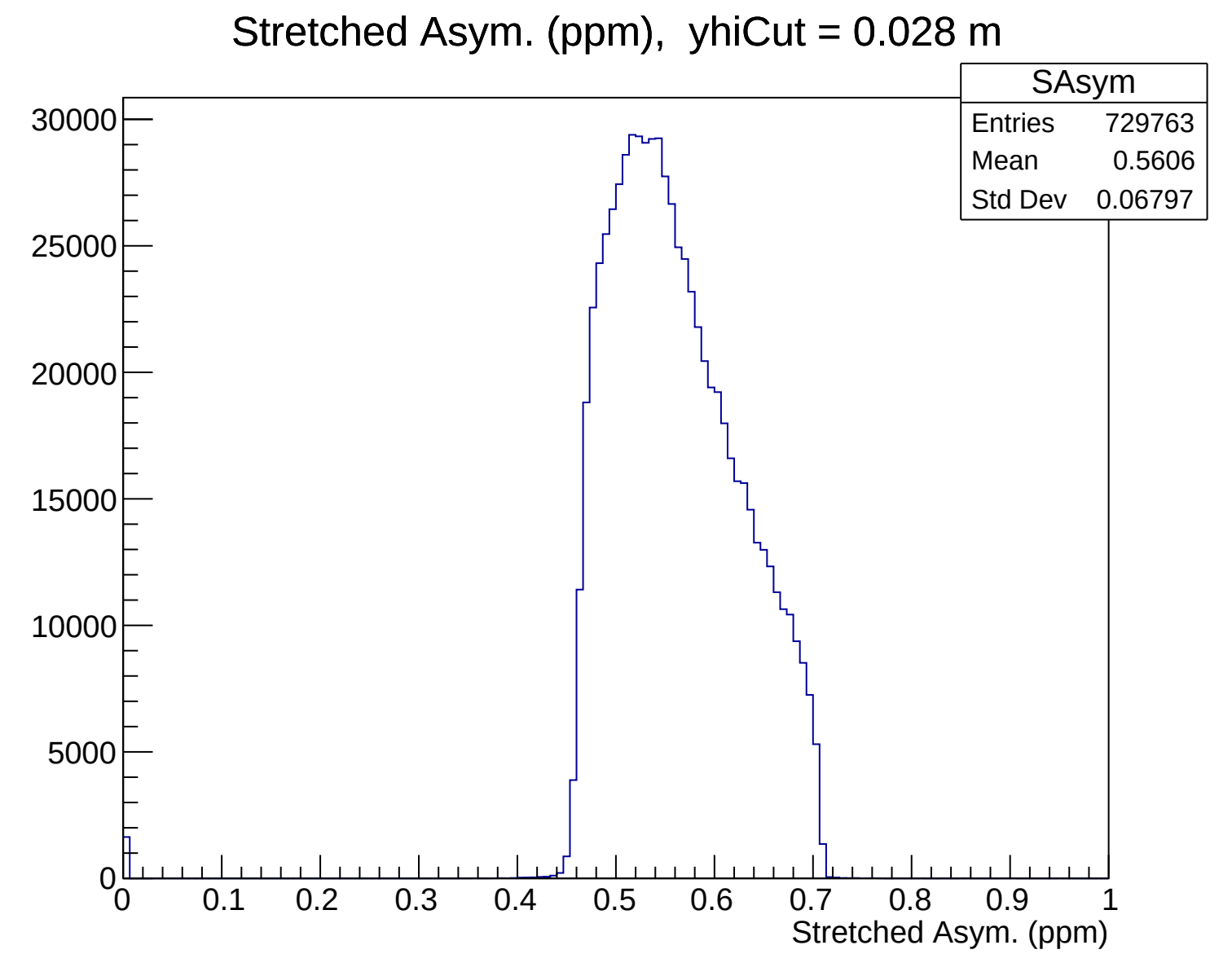

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.028
R.tr.y[0]+1.3*R.tr.ph[0] (m)

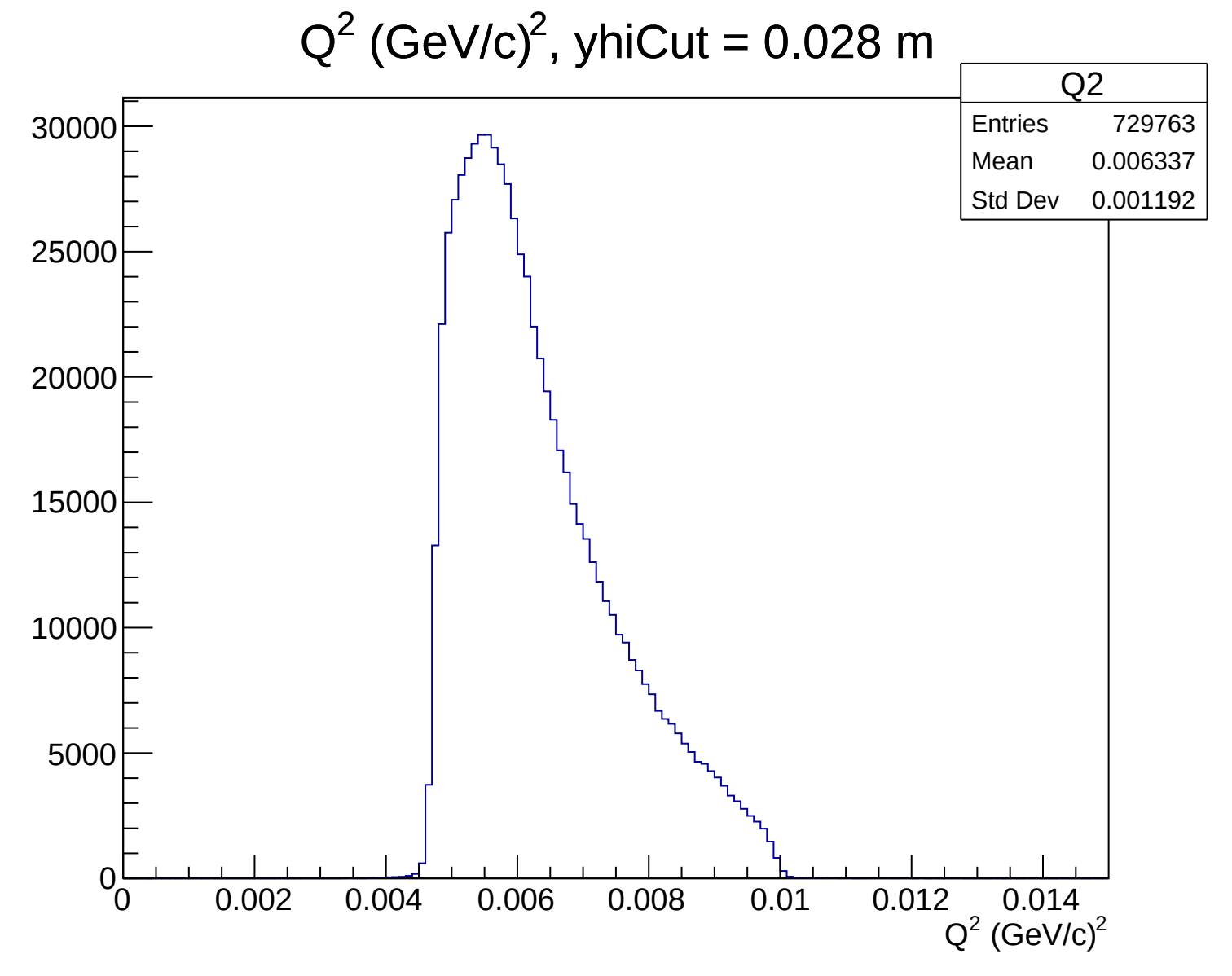

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

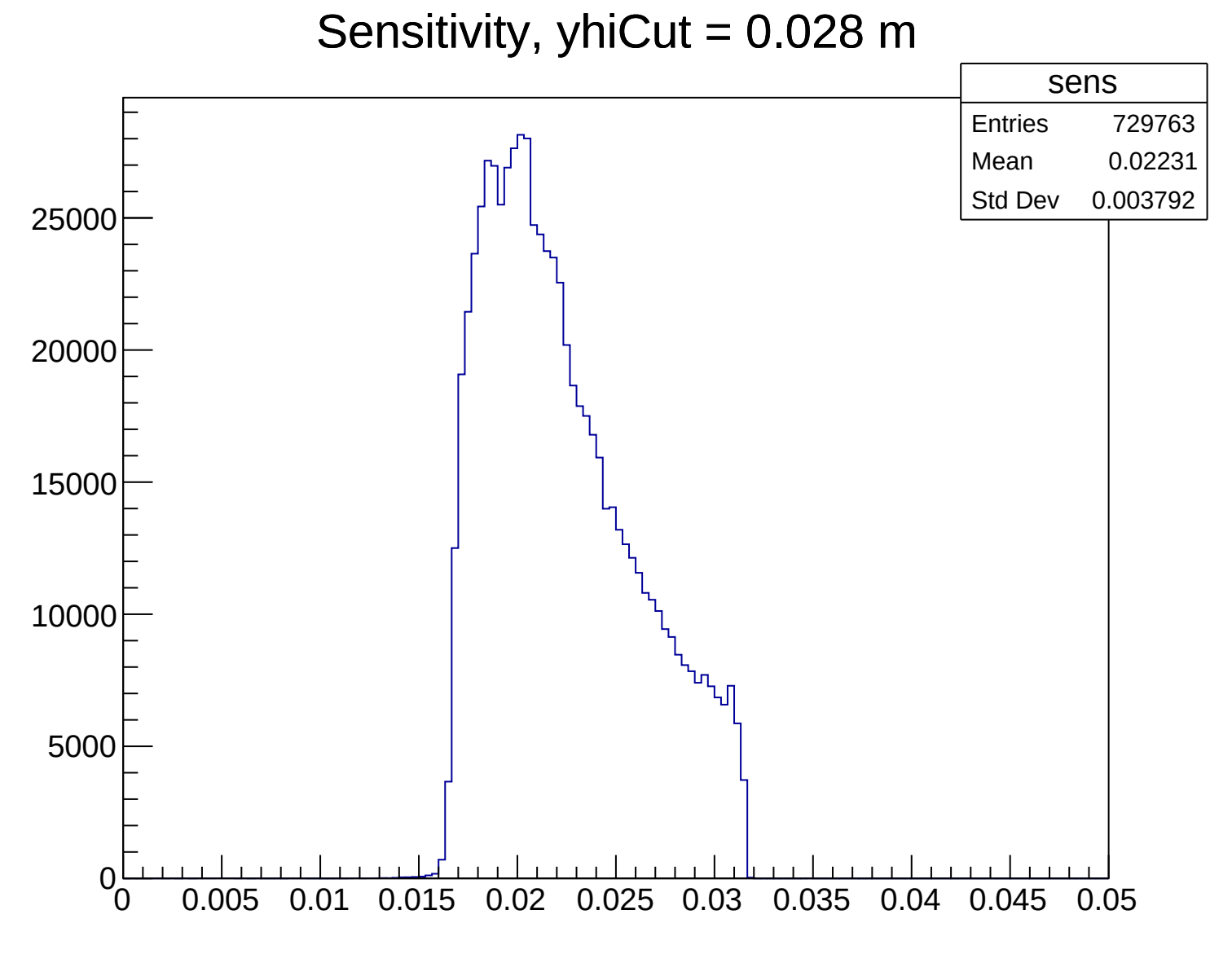

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

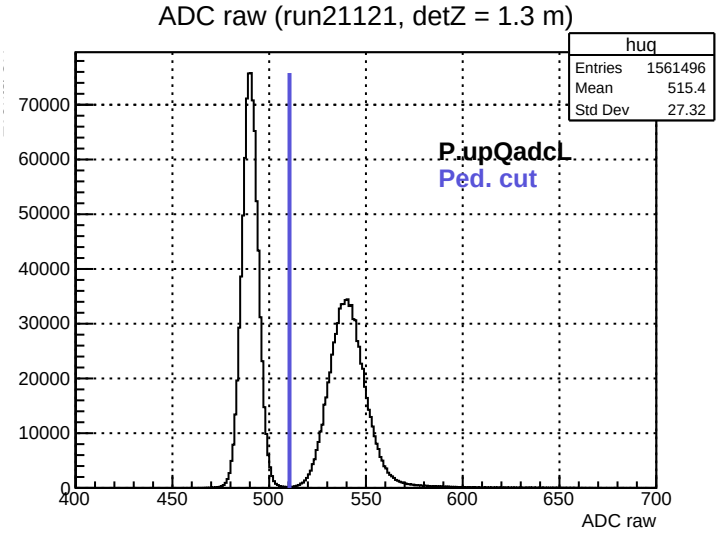

θlab (deg), yhiCut = 0.028 m
Theta
Entries 729763
Mean 4.79
Std Dev 0.4398
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

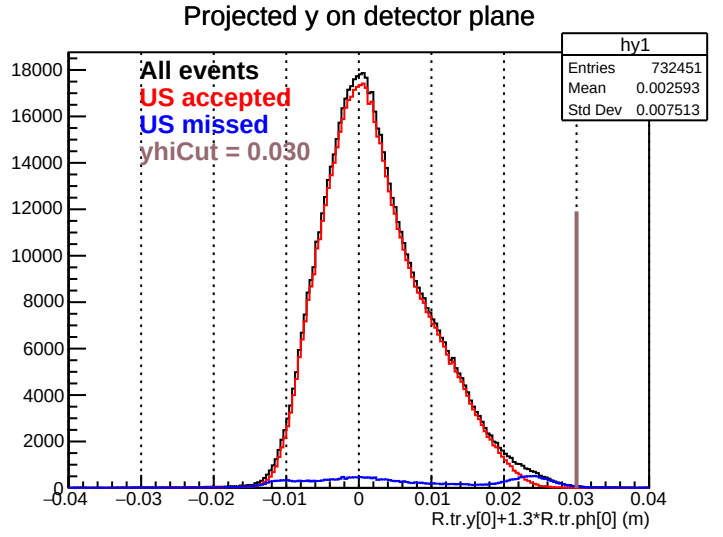

Asymmetry (ppm), yhiCut = 0.028 m
Asym
Entries 729763
Mean 0.5737
Std Dev 0.07168
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

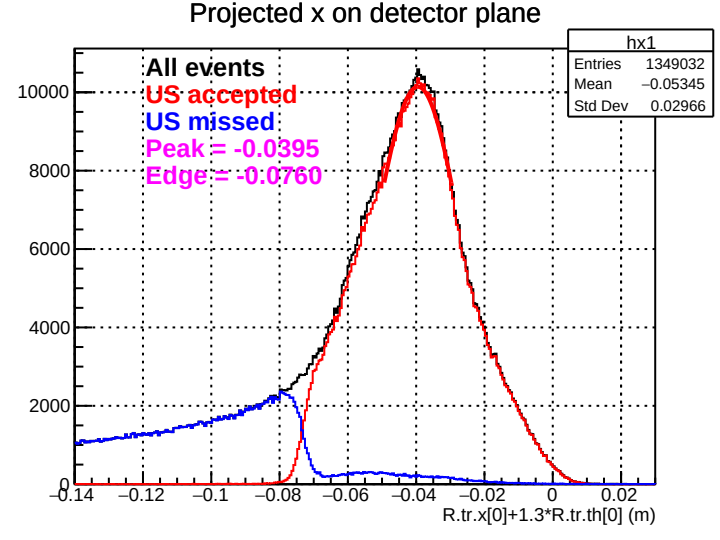

Stretched Asym. (ppm), yhiCut = 0.028 m
SAsym
Entries 729763
Mean 0.5606
Std Dev 0.06797
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

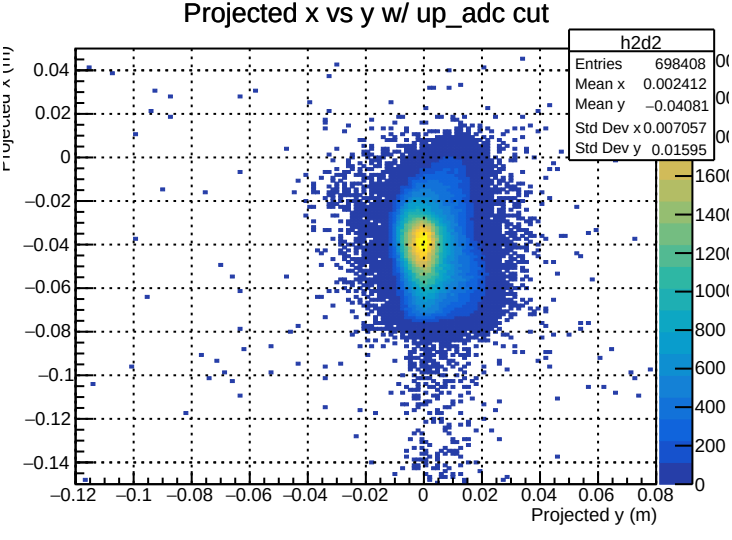

Q^2 (GeV/c)^2, yhiCut = 0.028 m
Q2
Entries 729763
Mean 0.006337
Std Dev 0.001192
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

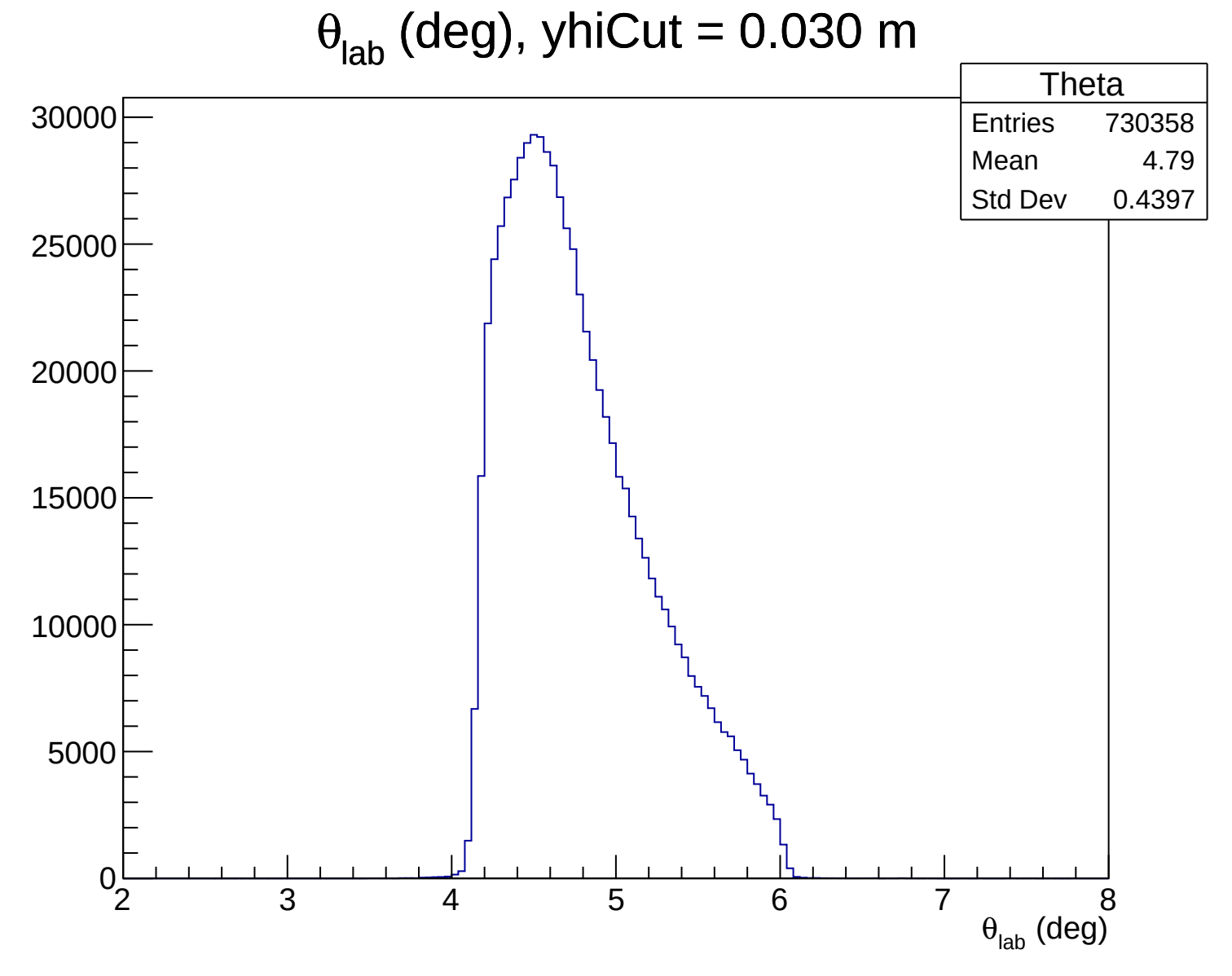

Sensitivity, yhiCut = 0.028 m
sens
Entries 729763
Mean 0.02231
Std Dev 0.003792
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

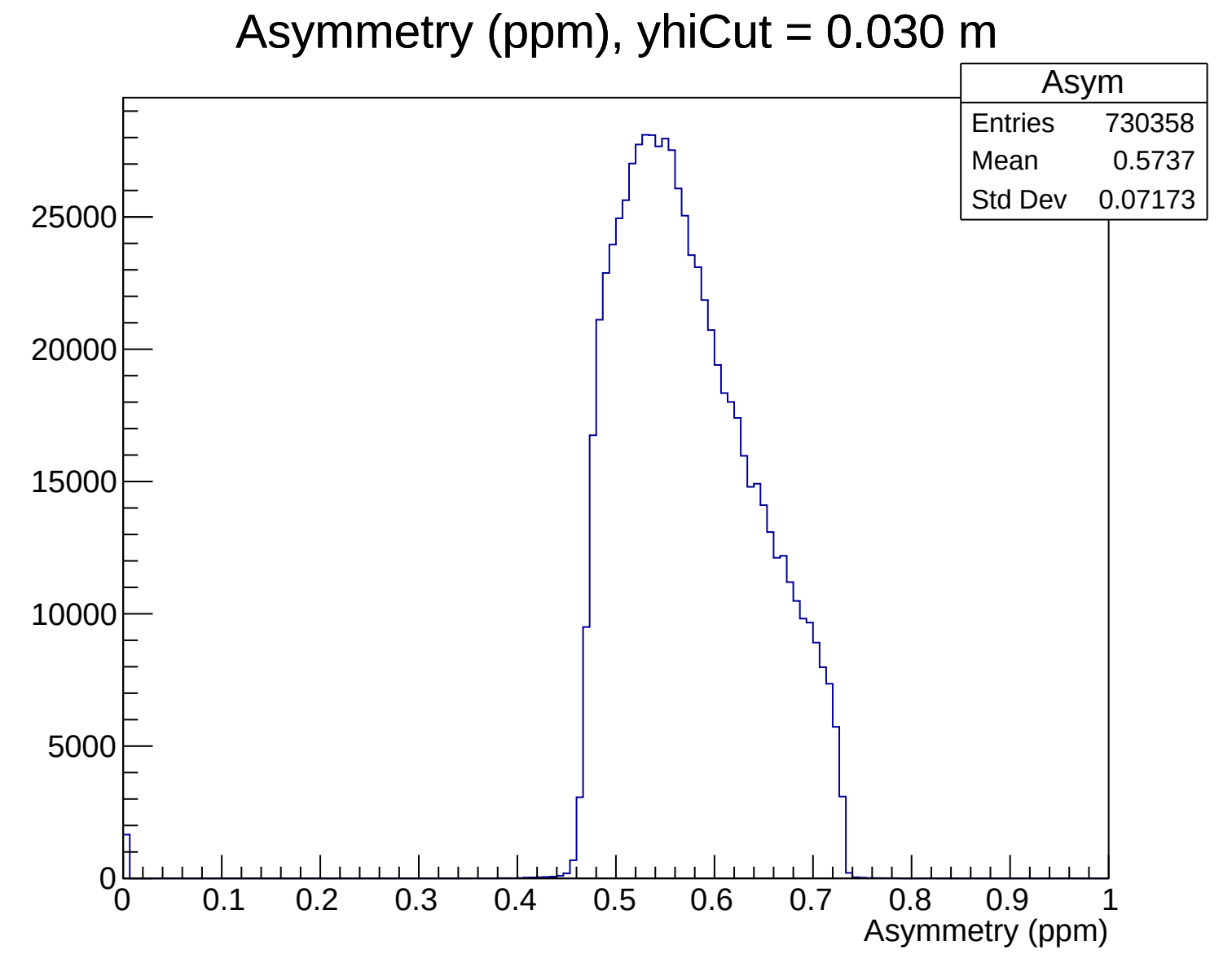

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

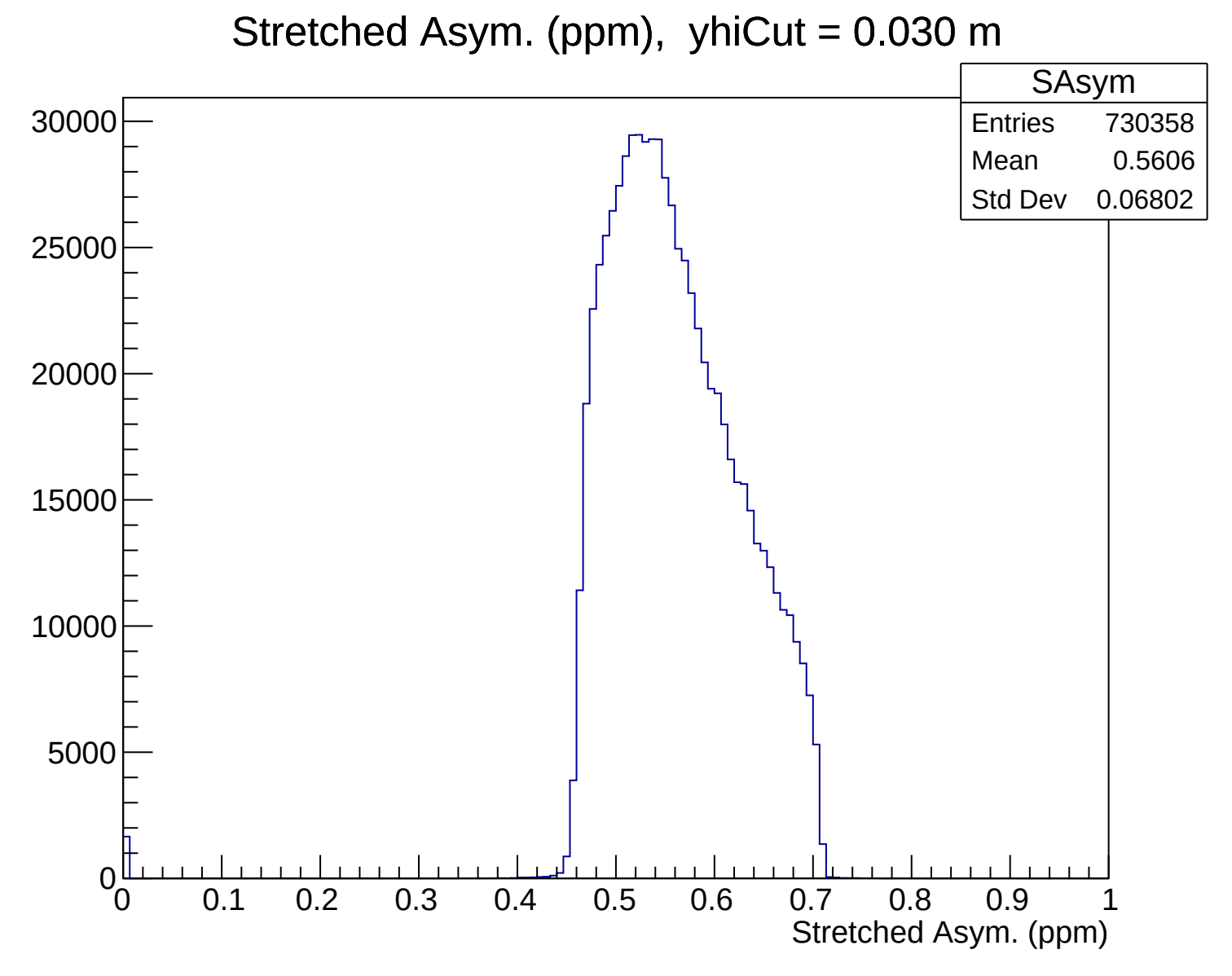

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.030
R.tr.y[0]+1.3*R.tr.ph[0] (m)

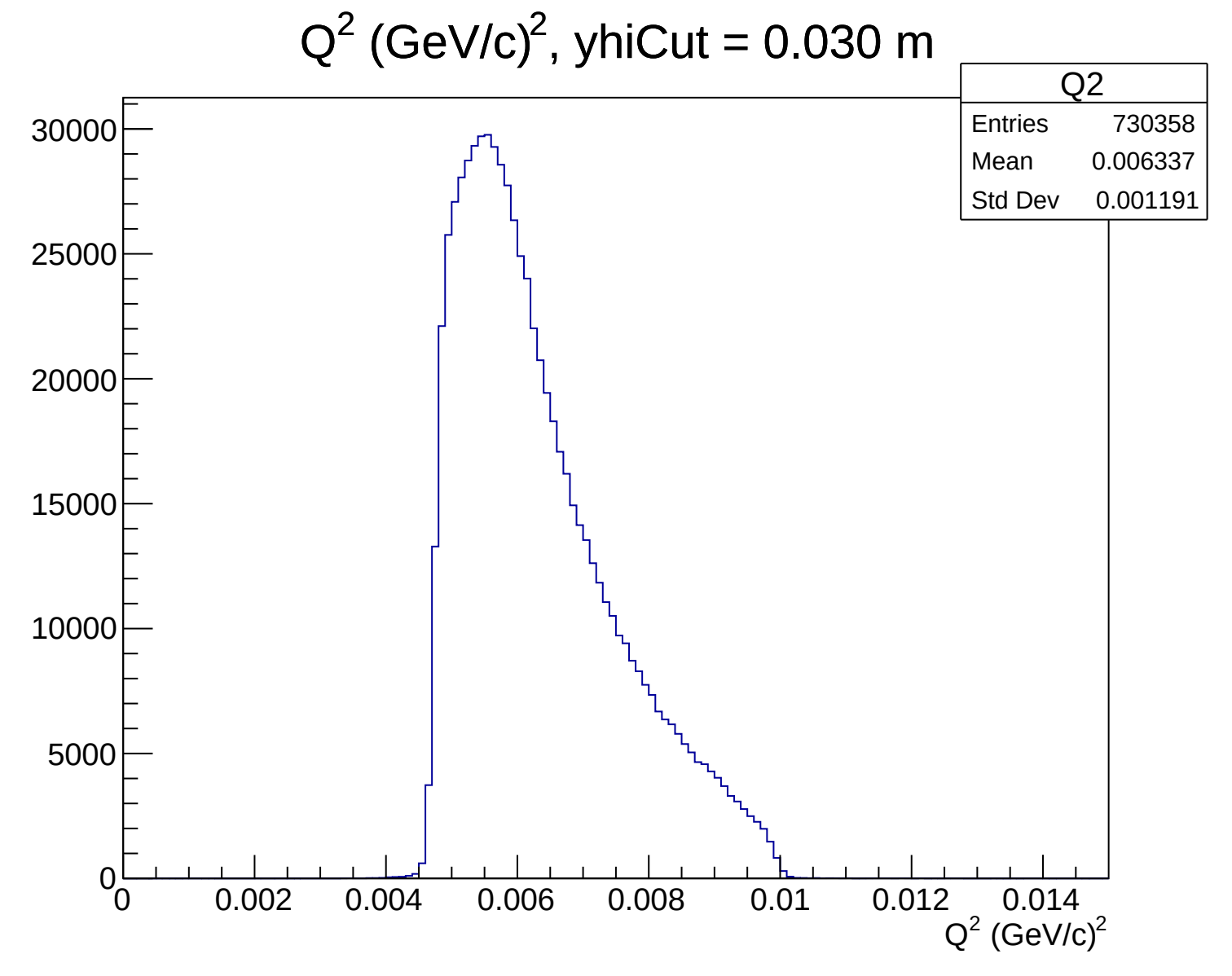

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

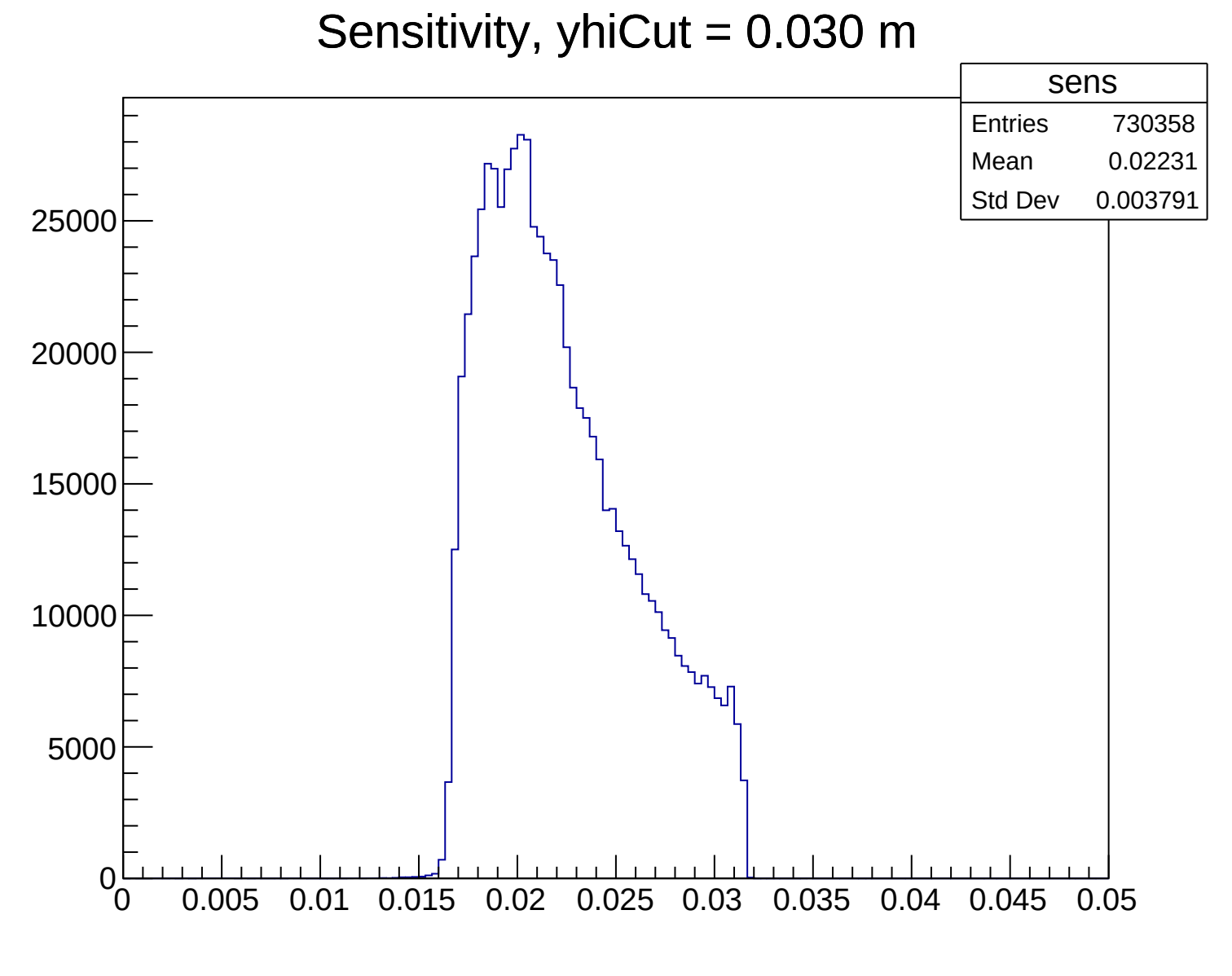

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

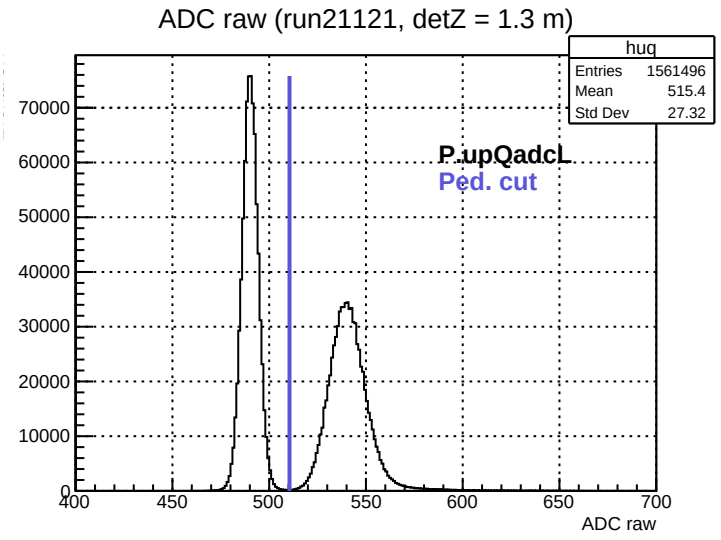

θlab (deg), yhiCut = 0.030 m
Theta
Entries 730358
Mean 4.79
Std Dev 0.4397
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

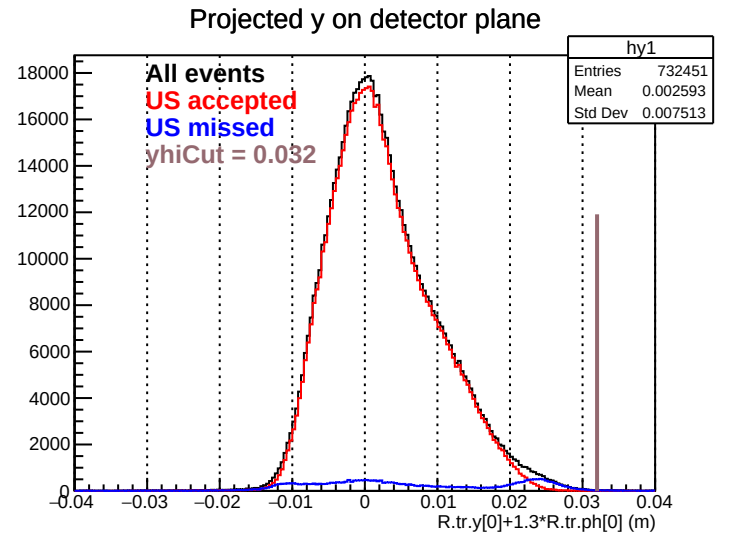

Asymmetry (ppm), yhiCut = 0.030 m
Asym
Entries 730358
Mean 0.5737
Std Dev 0.07173
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

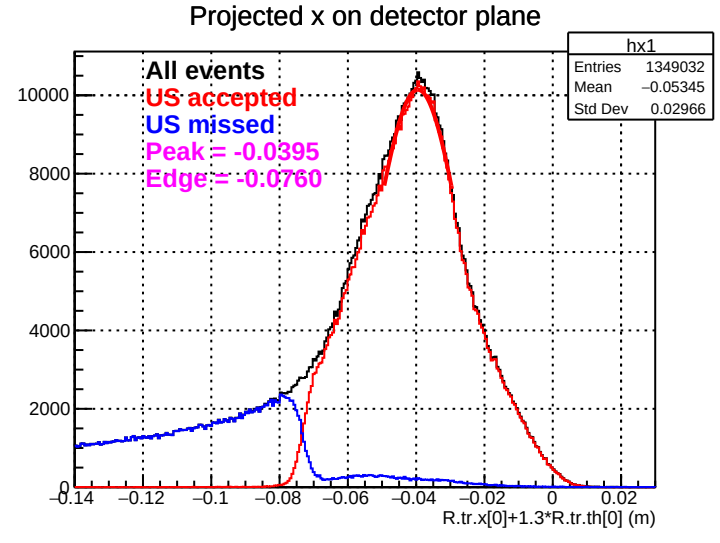

Stretched Asym. (ppm), yhiCut = 0.030 m
SAsym
Entries 730358
Mean 0.5606
Std Dev 0.06802
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

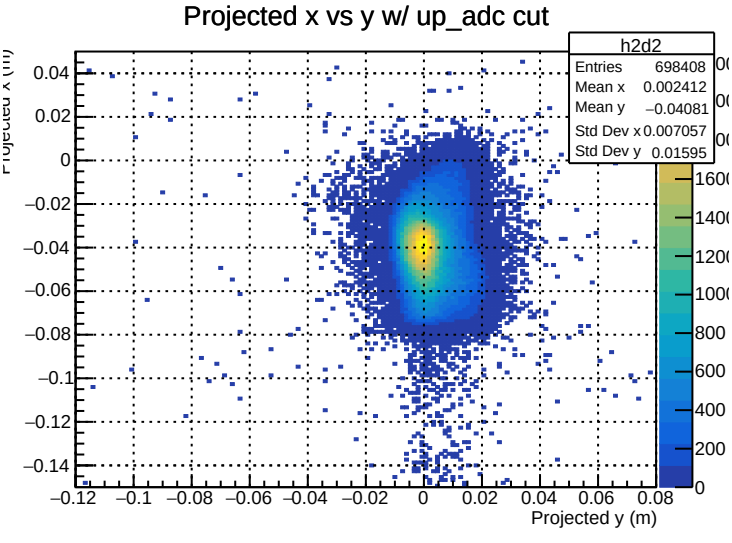

Q^2 $(GeV/c)^2$, yhiCut = 0.030 m
Q2
Entries 730358
Mean 0.006337
Std Dev 0.001191
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

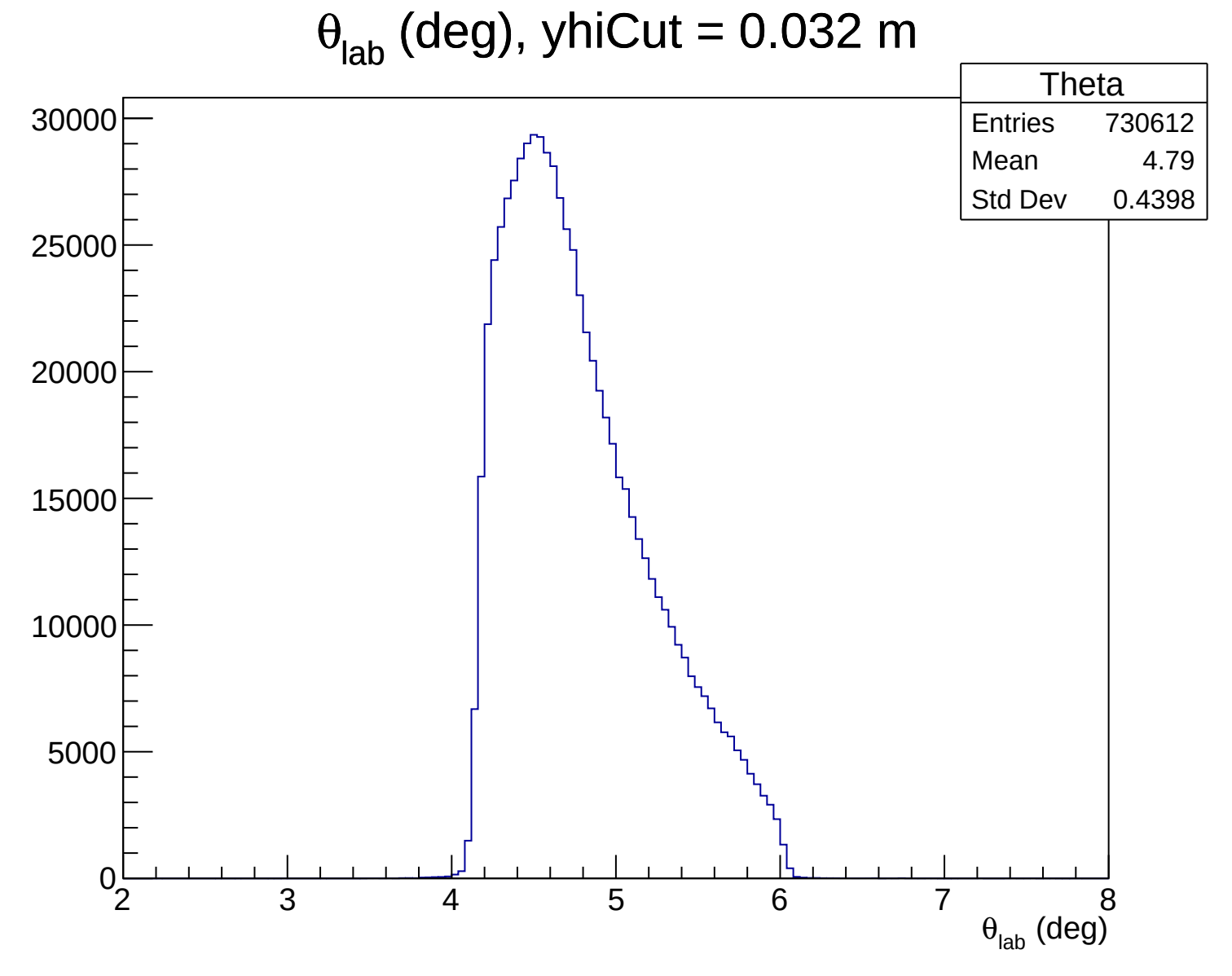

Sensitivity, yhiCut = 0.030 m
sens
Entries 730358
Mean 0.02231
Std Dev 0.003791
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

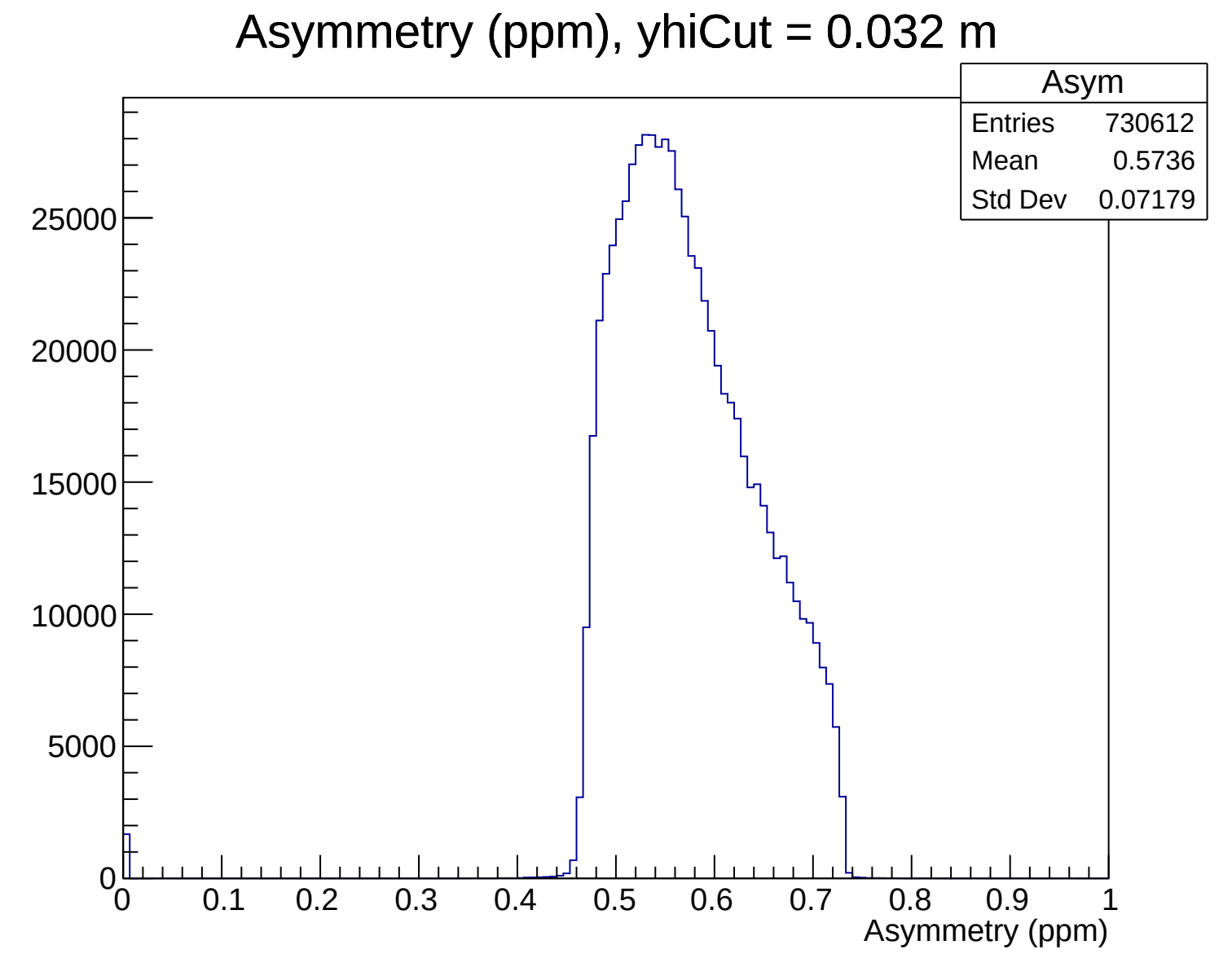

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

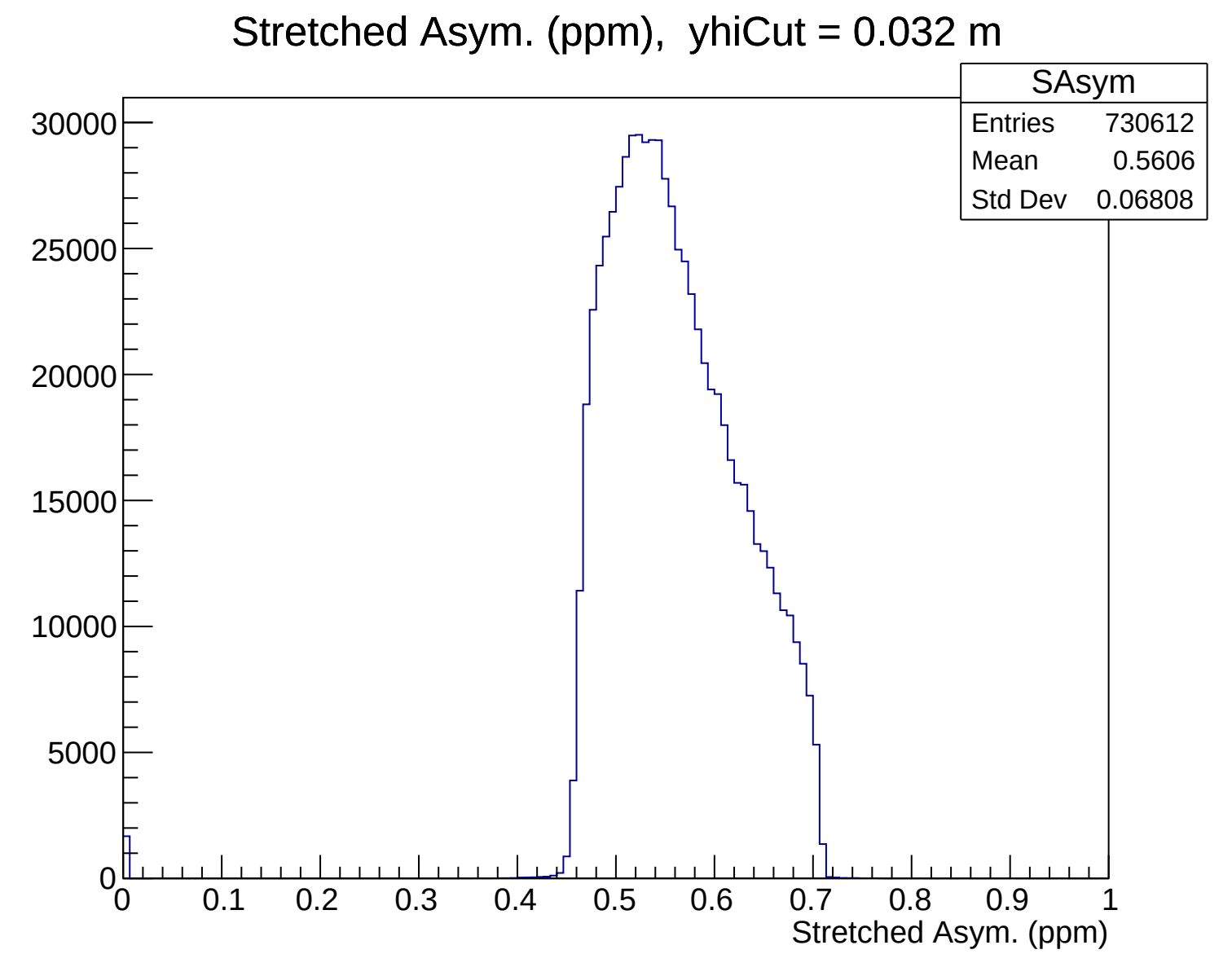

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.032
R.tr.y[0]+1.3*R.tr.ph[0] (m)

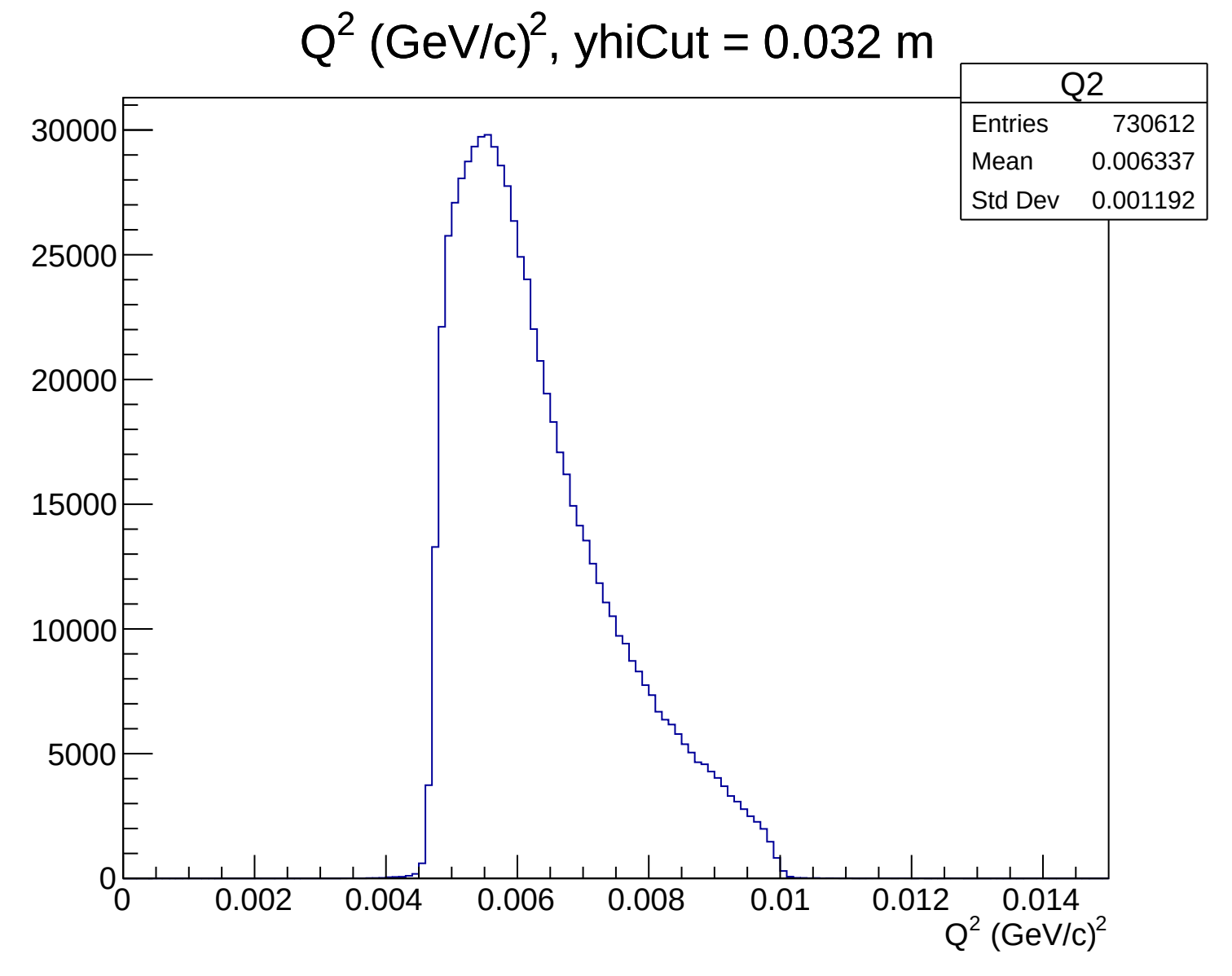

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

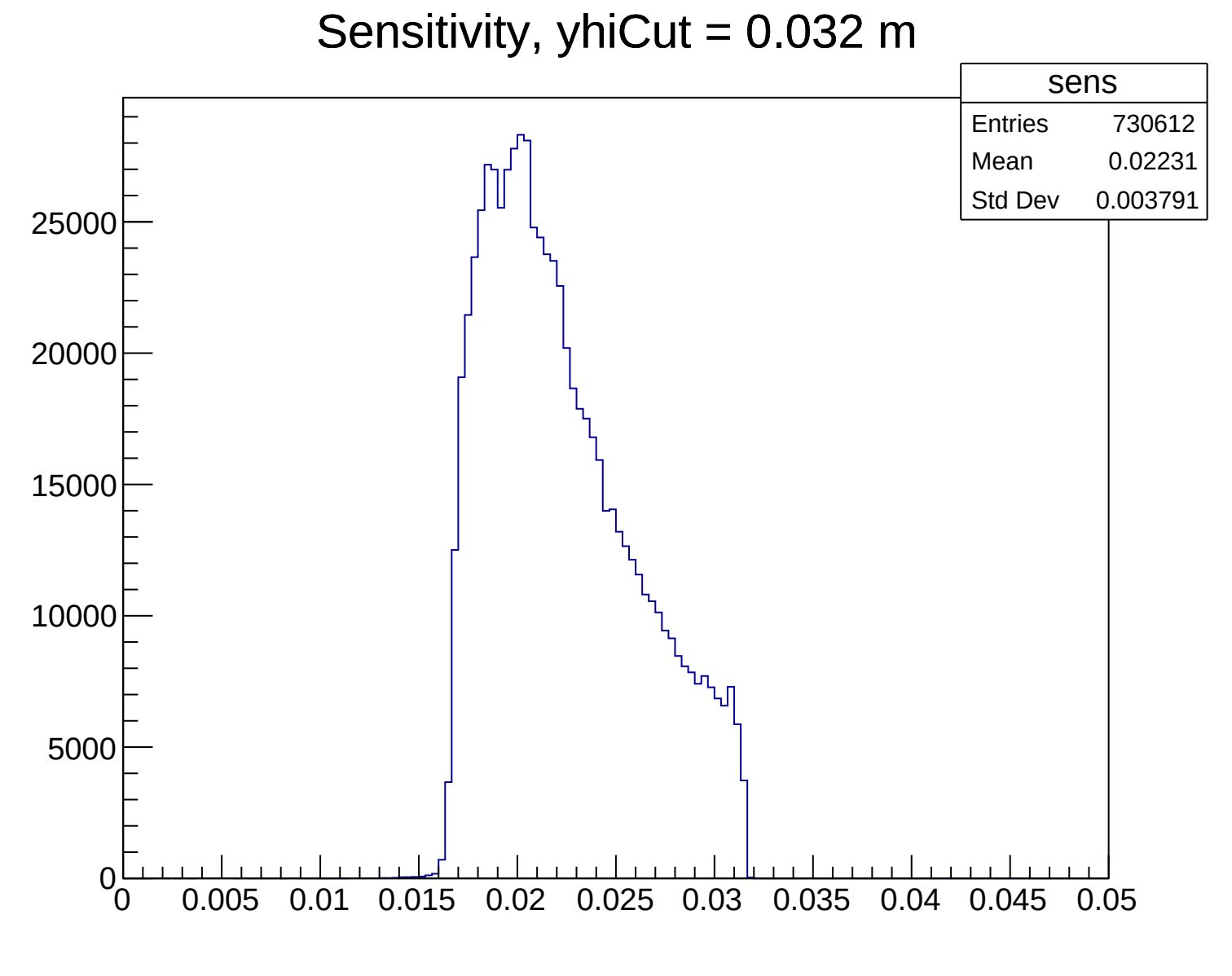

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

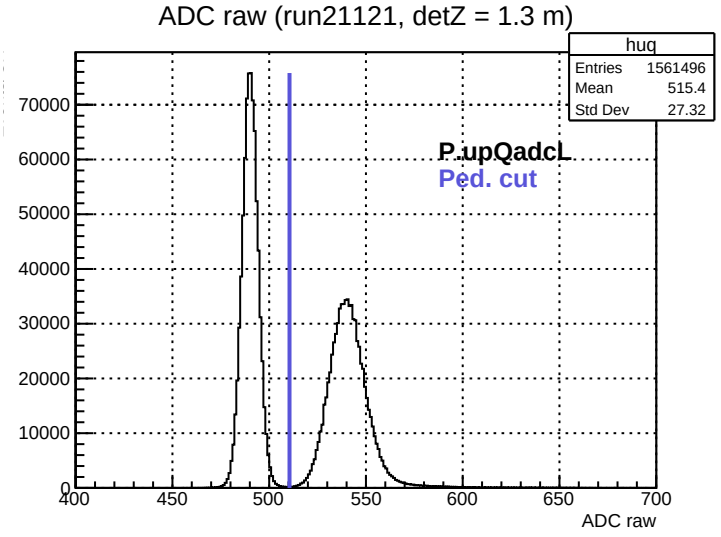

θlab (deg), yhiCut = 0.032 m
Theta
Entries 730612
Mean 4.79
Std Dev 0.4398
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

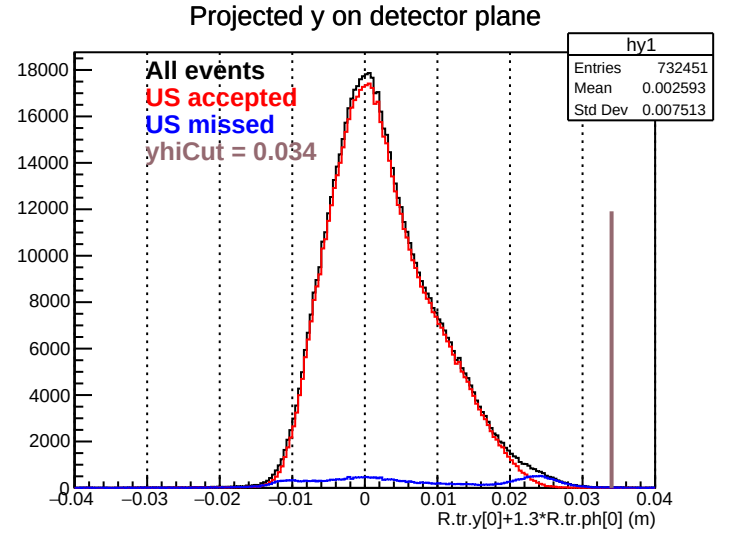

Asymmetry (ppm), yhiCut = 0.032 m
Asym
Entries 730612
Mean 0.5736
Std Dev 0.07179
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

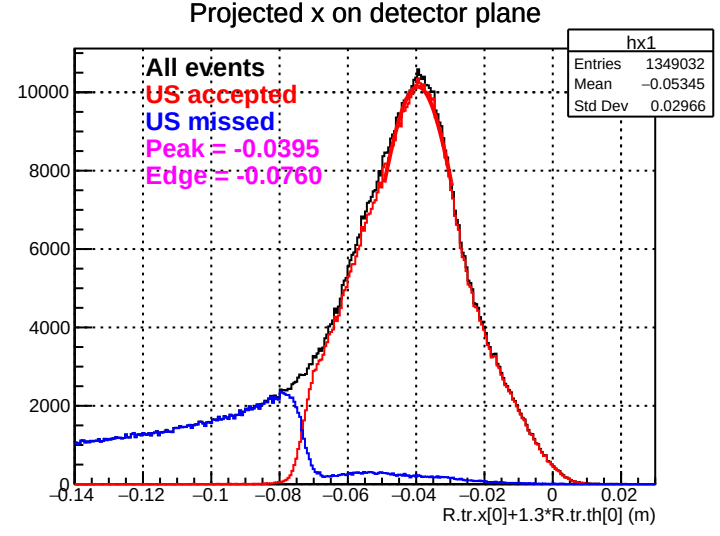

Stretched Asym. (ppm), yhiCut = 0.032 m
SAsym
Entries 730612
Mean 0.5606
Std Dev 0.06808
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

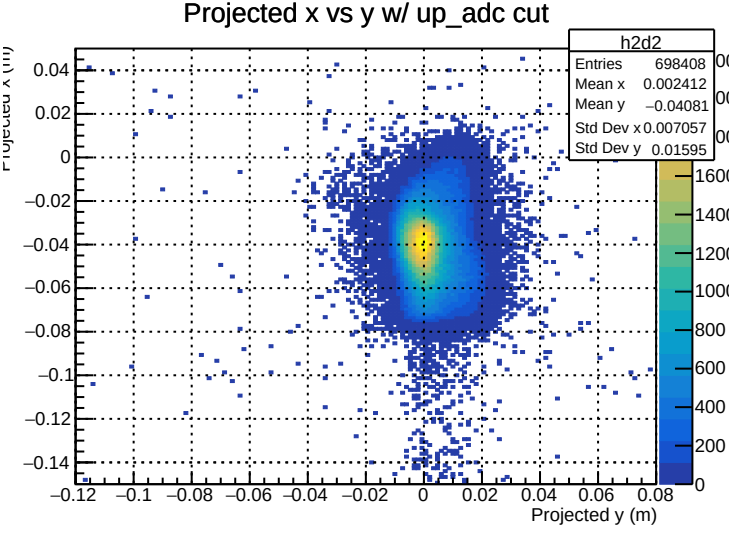

Q^2 $(GeV/c)^2$, yhiCut = 0.032 m
Q2
Entries 730612
Mean 0.006337
Std Dev 0.001192
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

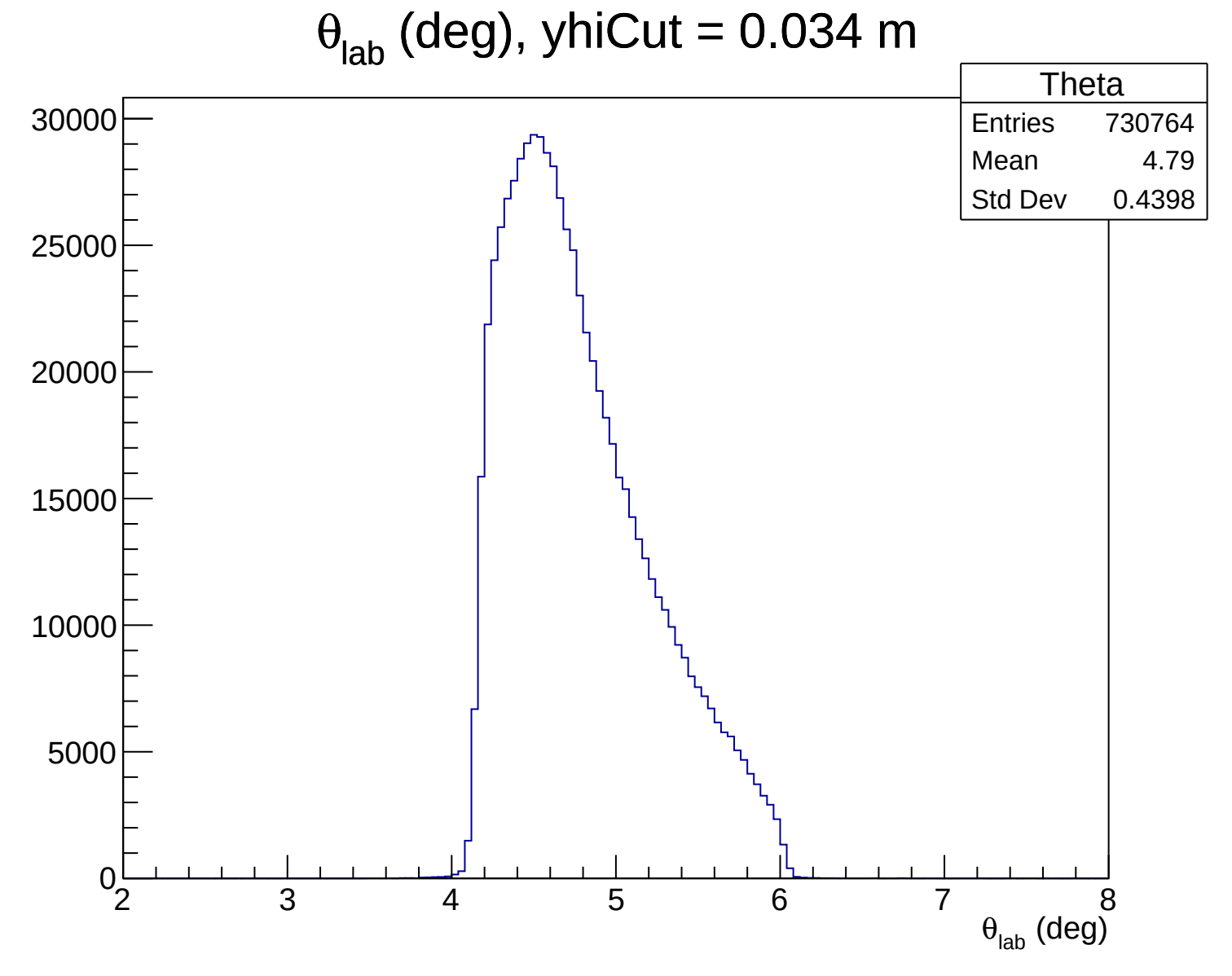

Sensitivity, yhiCut = 0.032 m
sens
Entries 730612
Mean 0.02231
Std Dev 0.003791
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

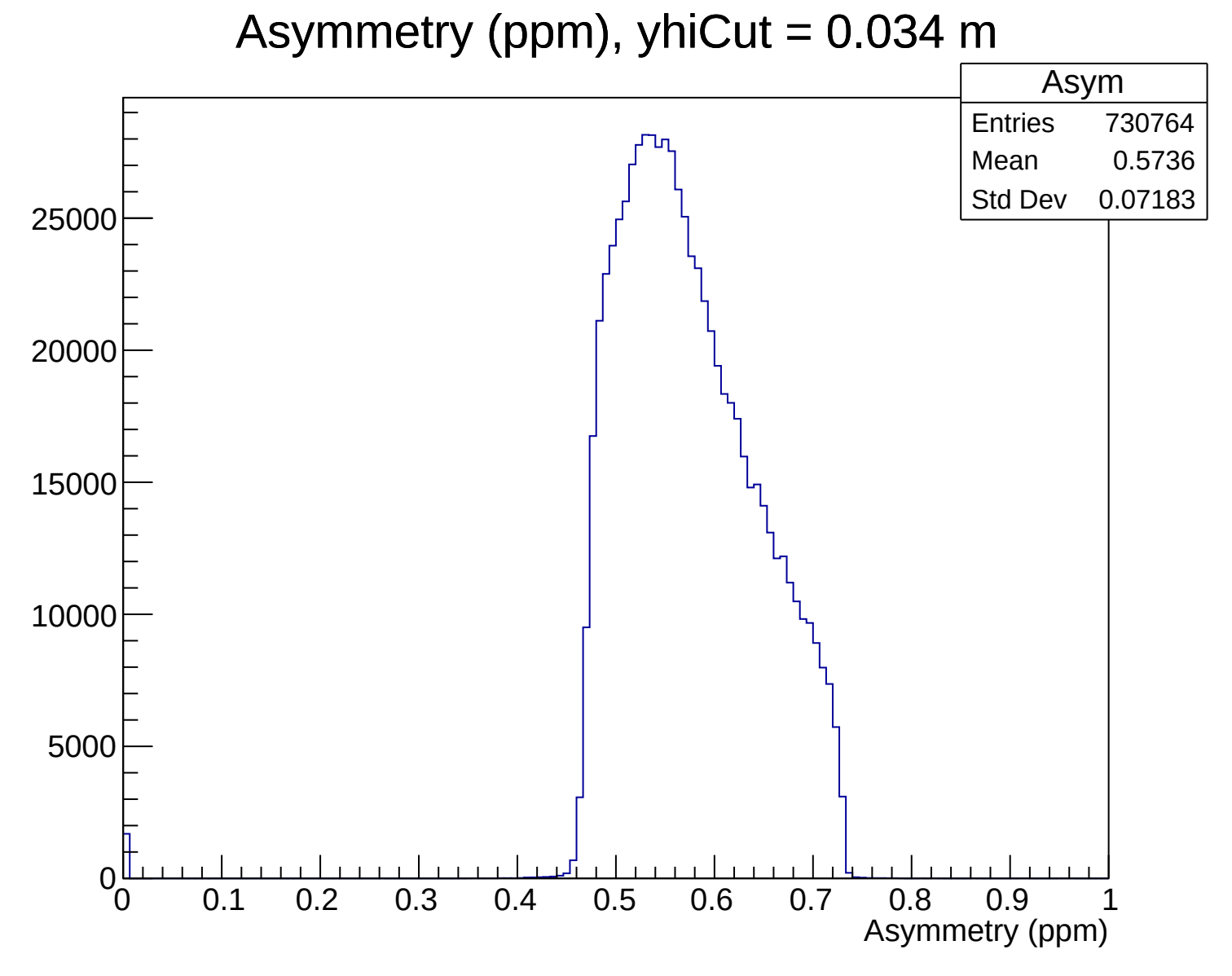

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

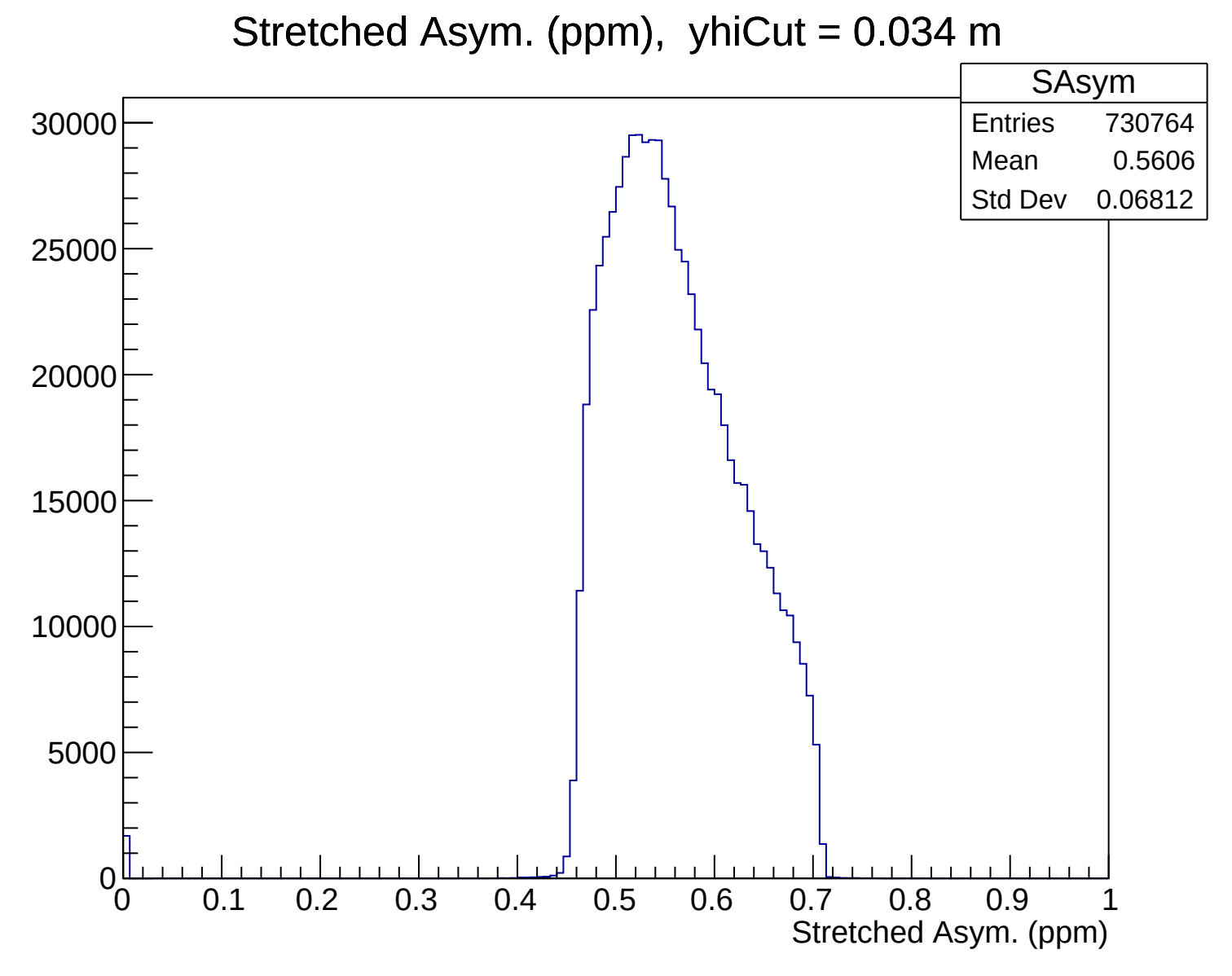

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.034
R.tr.y[0]+1.3*R.tr.ph[0] (m)

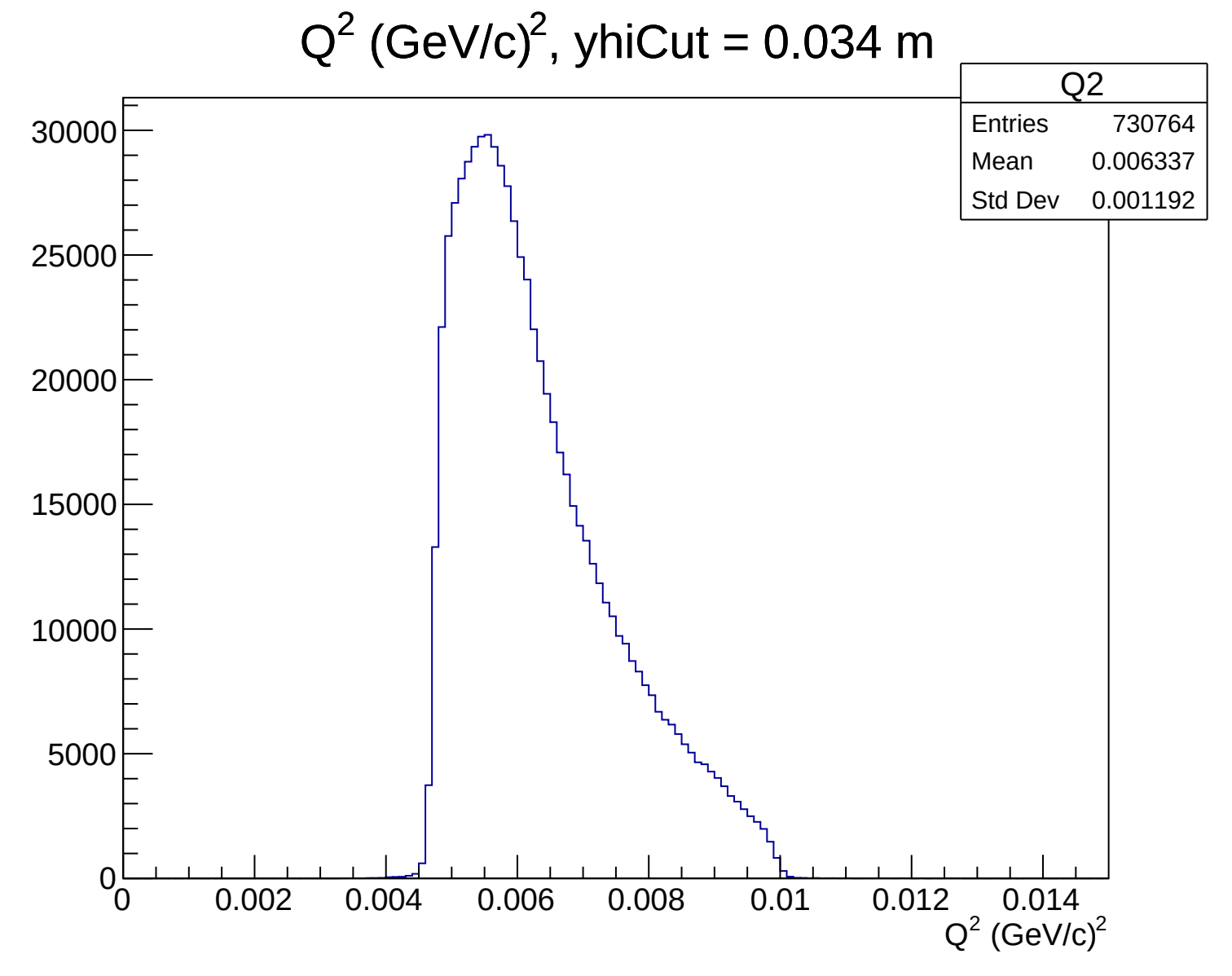

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

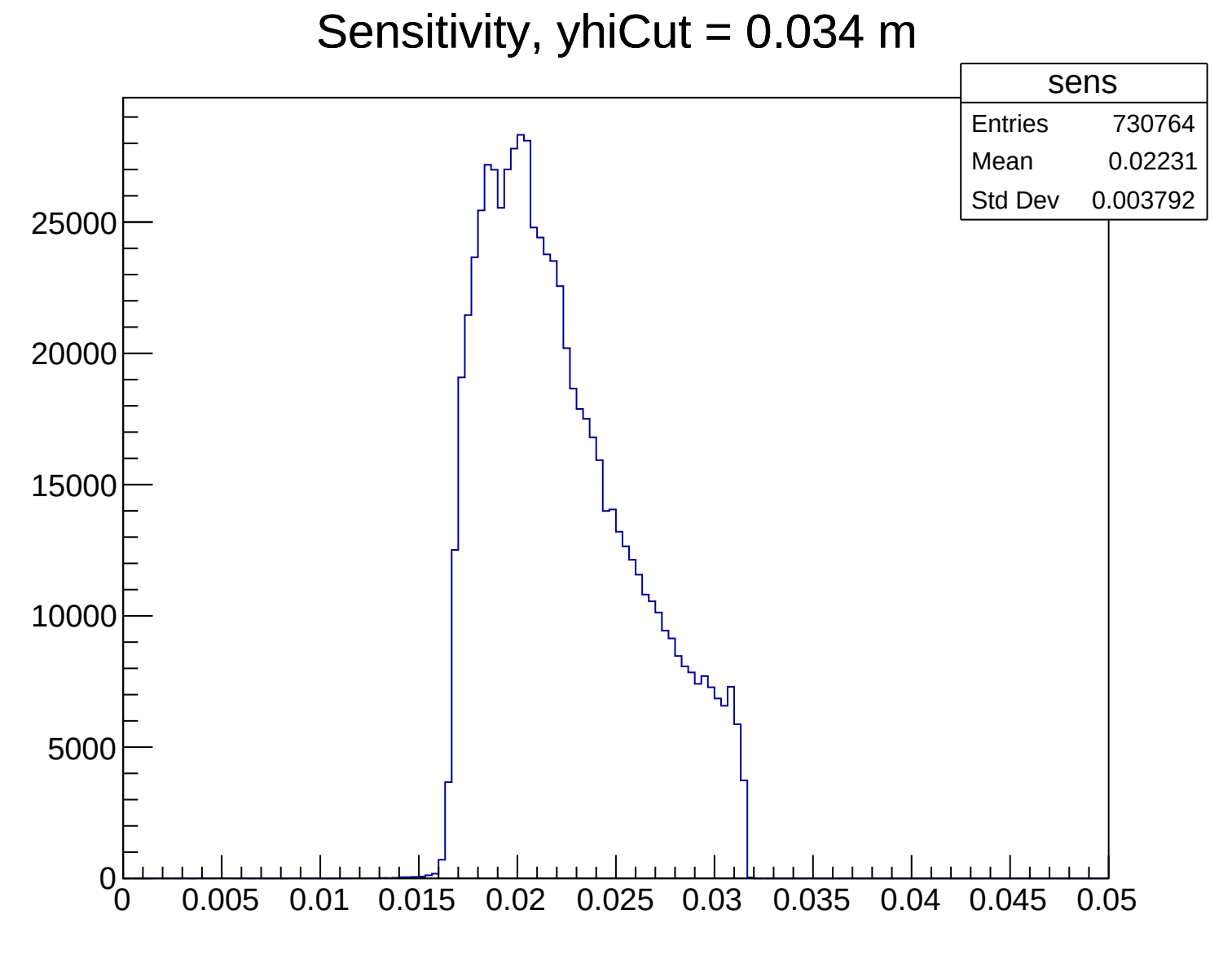

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

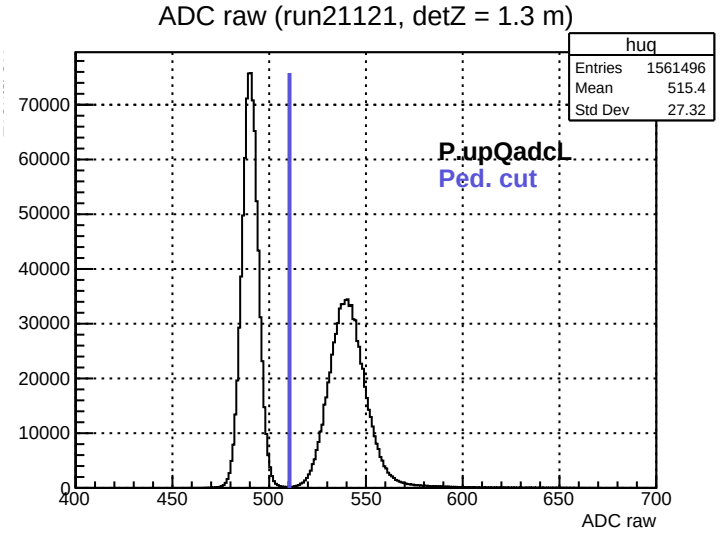

θlab (deg), yhiCut = 0.034 m
Theta
Entries 730764
Mean 4.79
Std Dev 0.4398
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

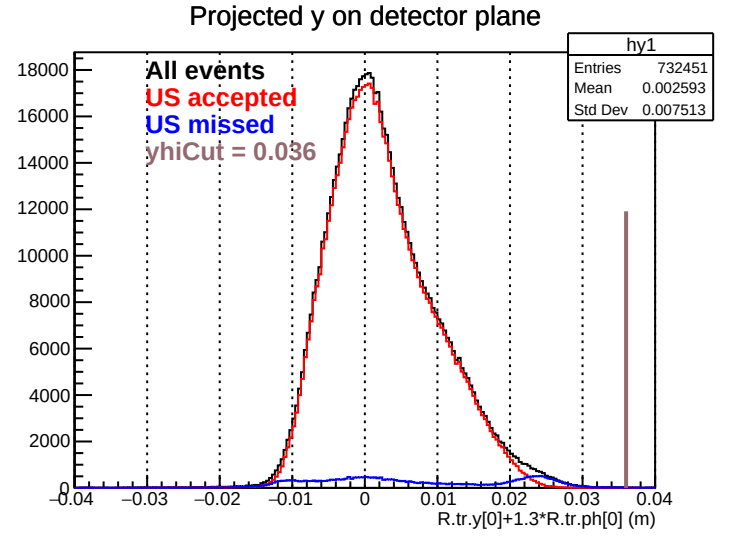

Asymmetry (ppm), yhiCut = 0.034 m
Asym
Entries 730764
Mean 0.5736
Std Dev 0.07183
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

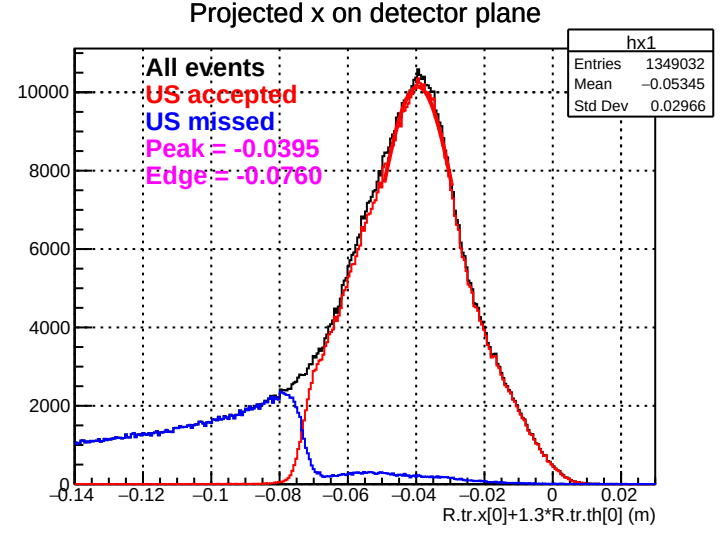

Stretched Asym. (ppm), yhiCut = 0.034 m
SAsym
Entries 730764
Mean 0.5606
Std Dev 0.06812
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

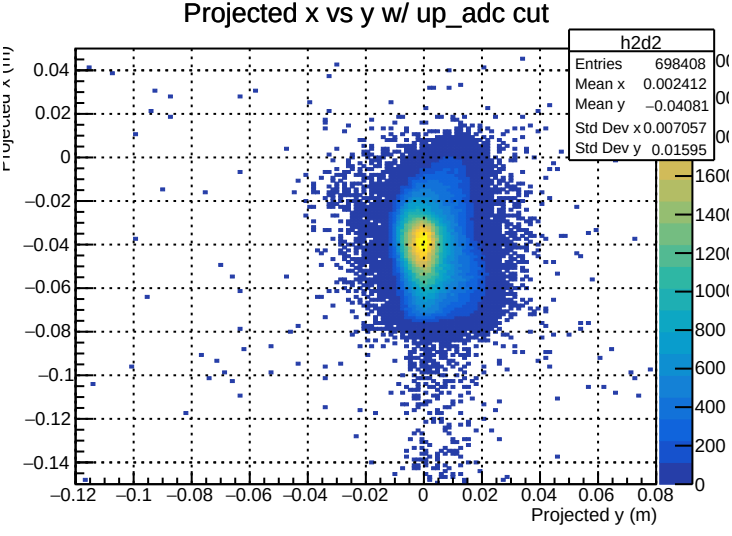

Q^2 $(GeV/c)^2$, yhiCut = 0.034 m
Q2
Entries 730764
Mean 0.006337
Std Dev 0.001192
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

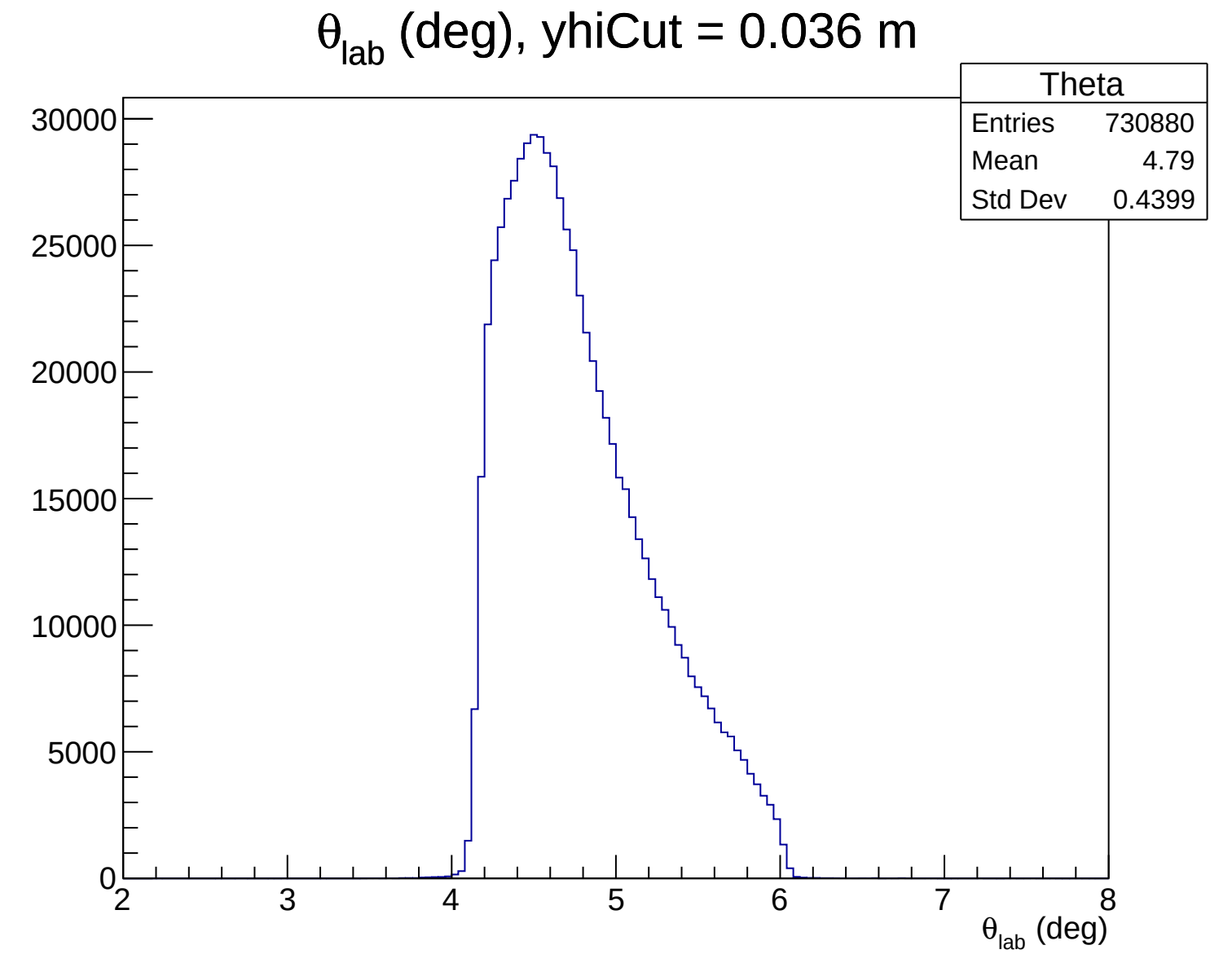

Sensitivity, yhiCut = 0.034 m
sens
Entries 730764
Mean 0.02231
Std Dev 0.003792
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

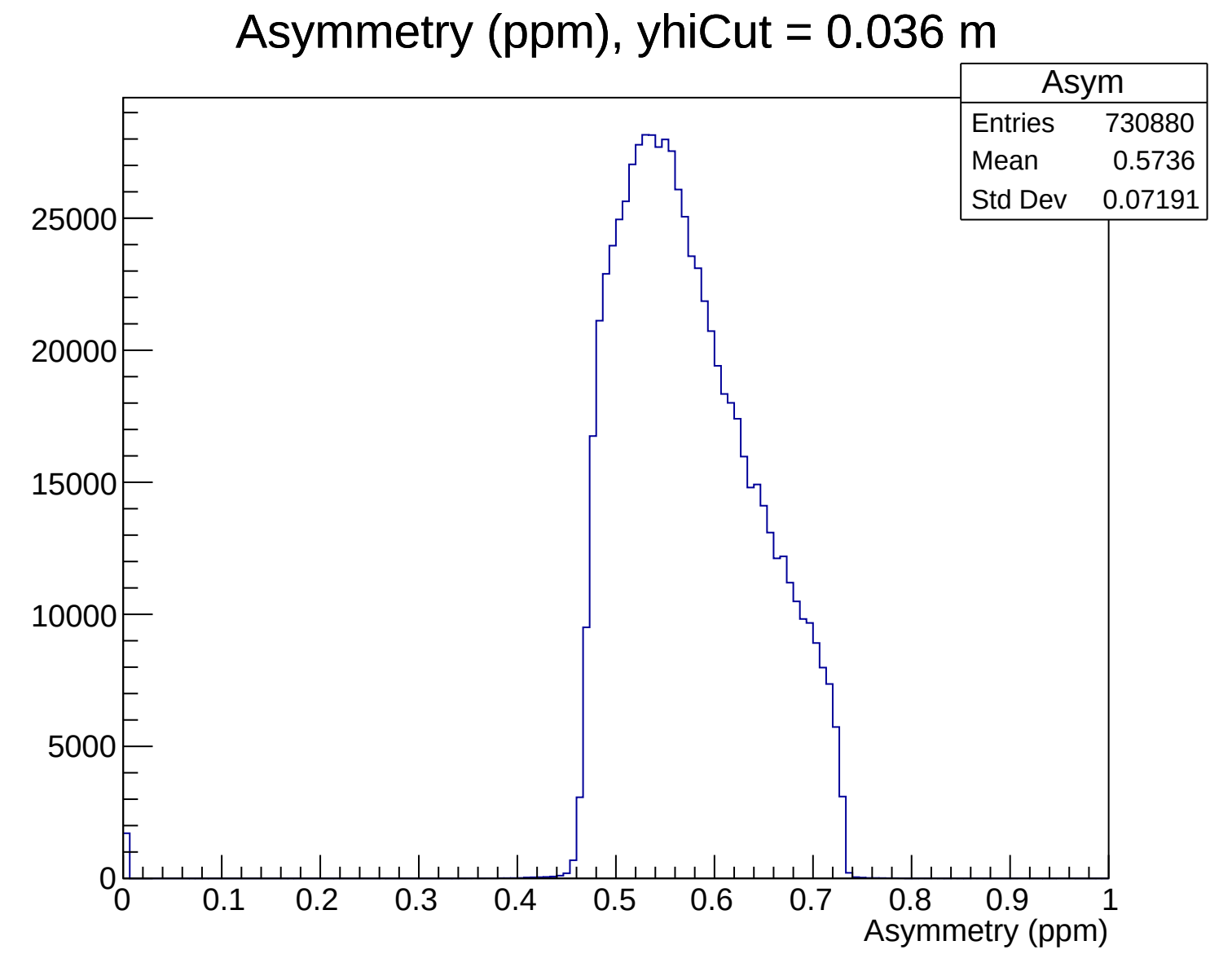

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

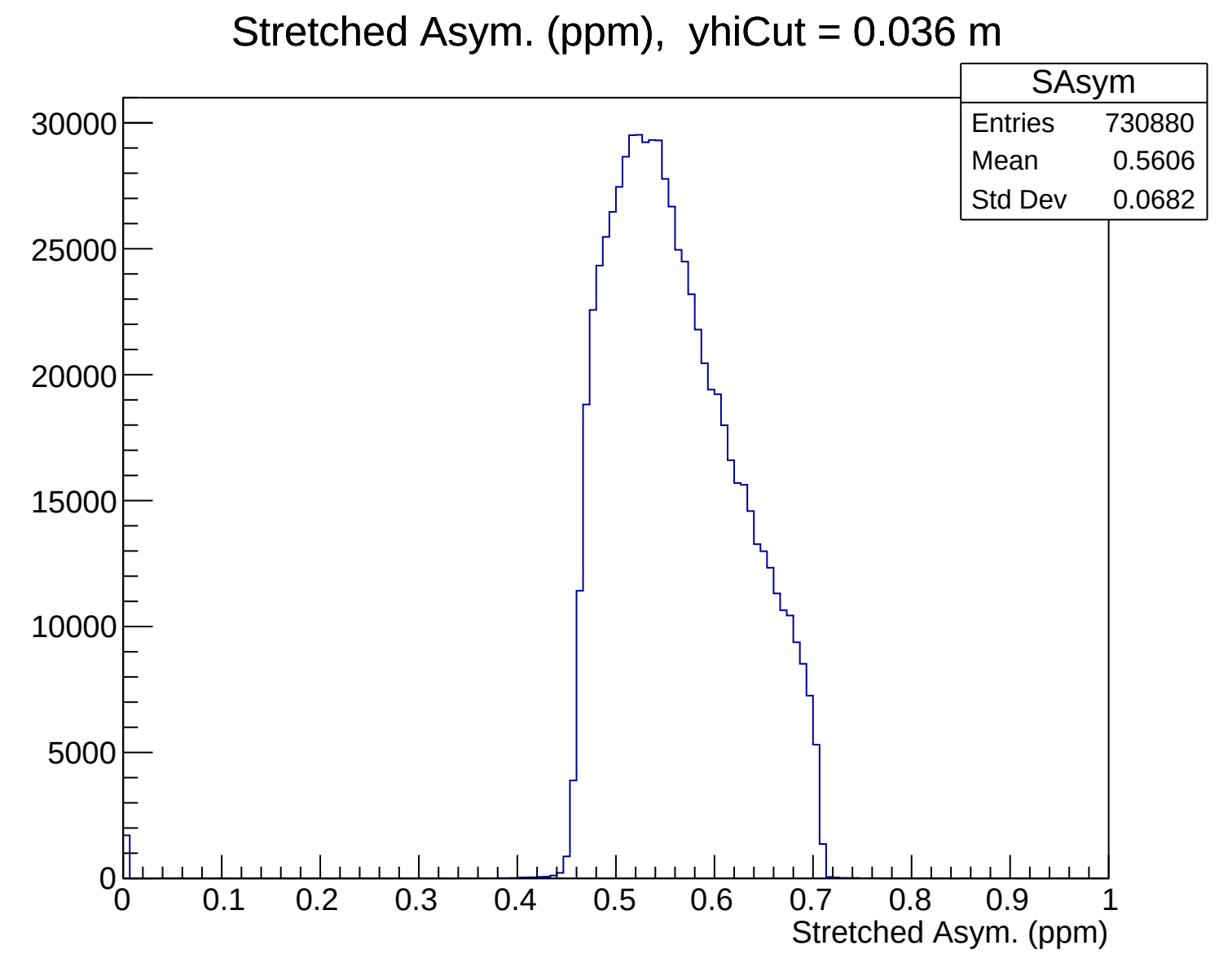

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.036
R.tr.y[0]+1.3*R.tr.ph[0] (m)

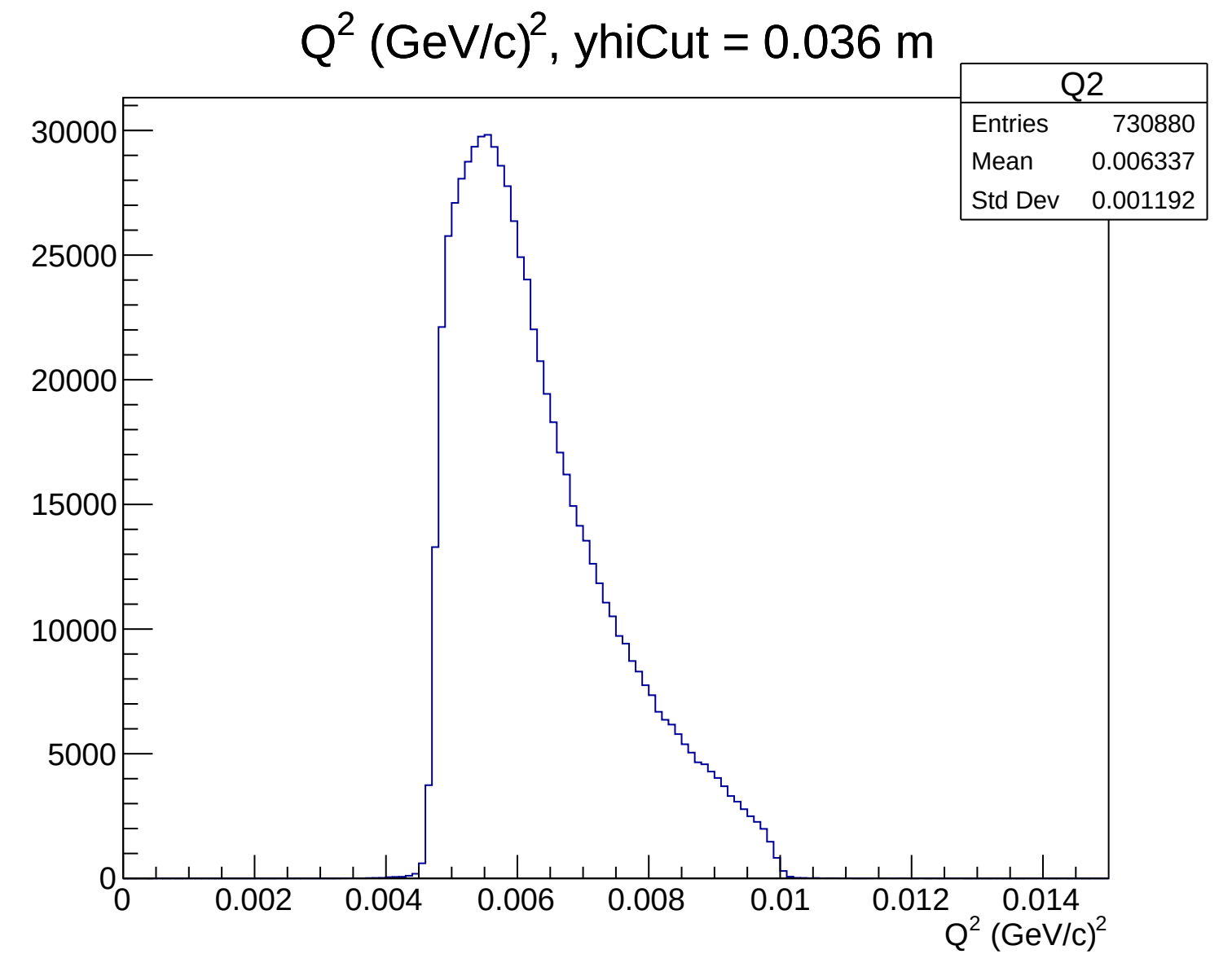

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

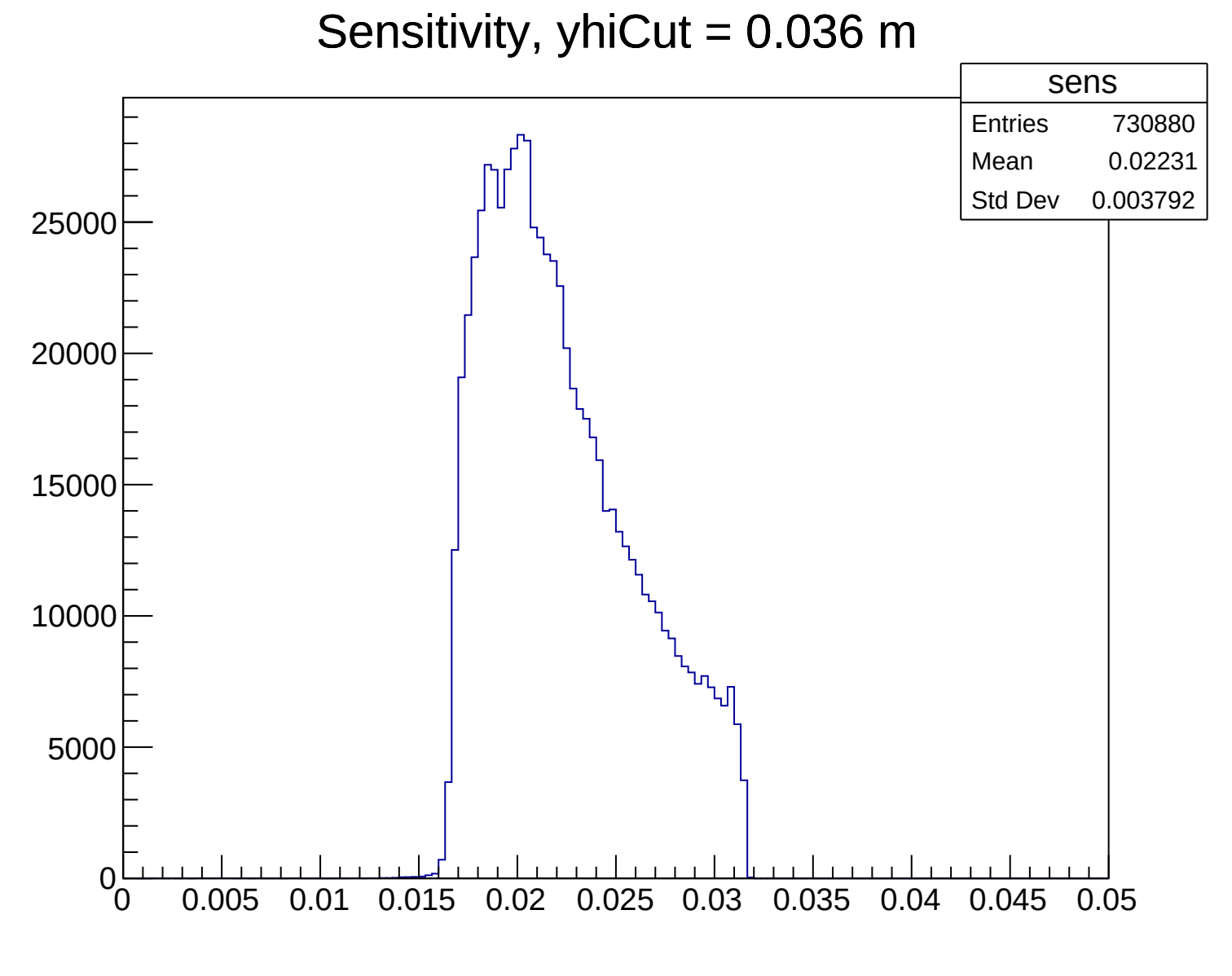

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

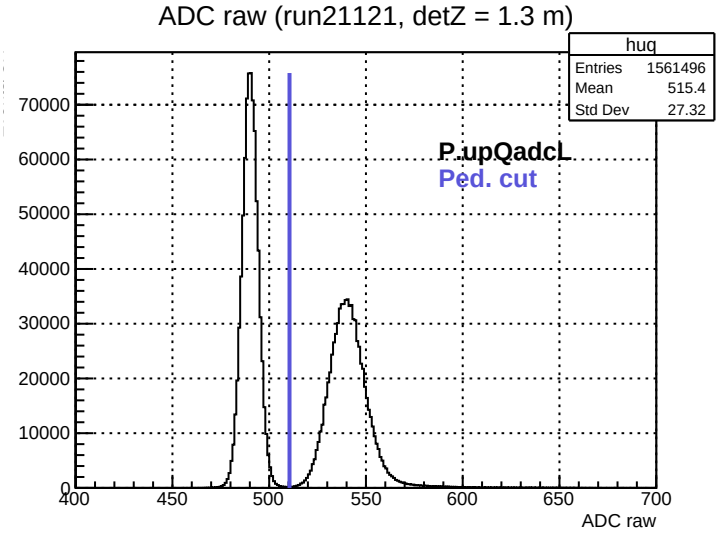

θlab (deg), yhiCut = 0.036 m
Theta
Entries 730880
Mean 4.79
Std Dev 0.4399
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

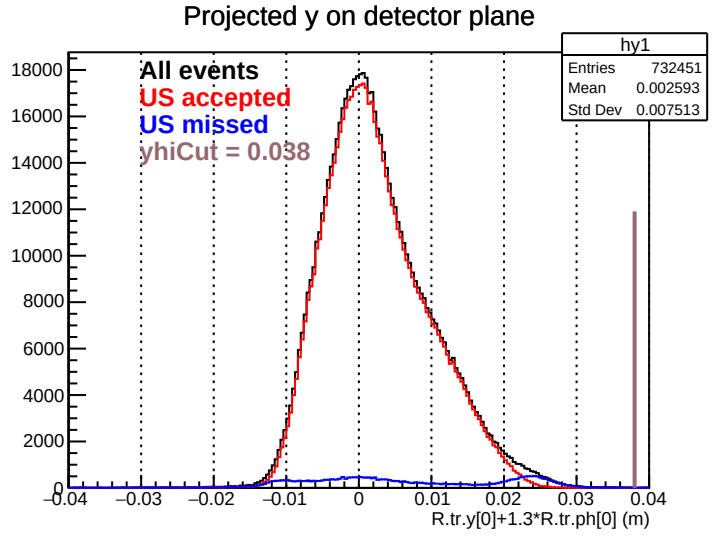

Asymmetry (ppm), yhiCut = 0.036 m
Asym
Entries 730880
Mean 0.5736
Std Dev 0.07191
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

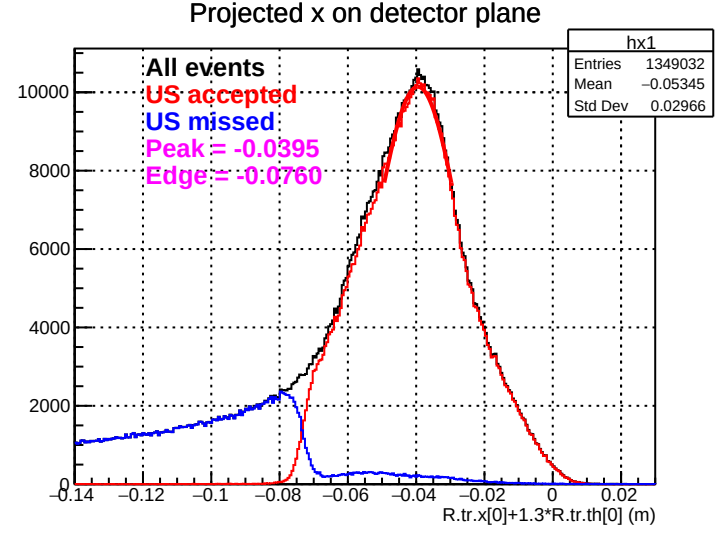

Stretched Asym. (ppm), yhiCut = 0.036 m
SAsym
Entries 730880
Mean 0.5606
Std Dev 0.0682
30000
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

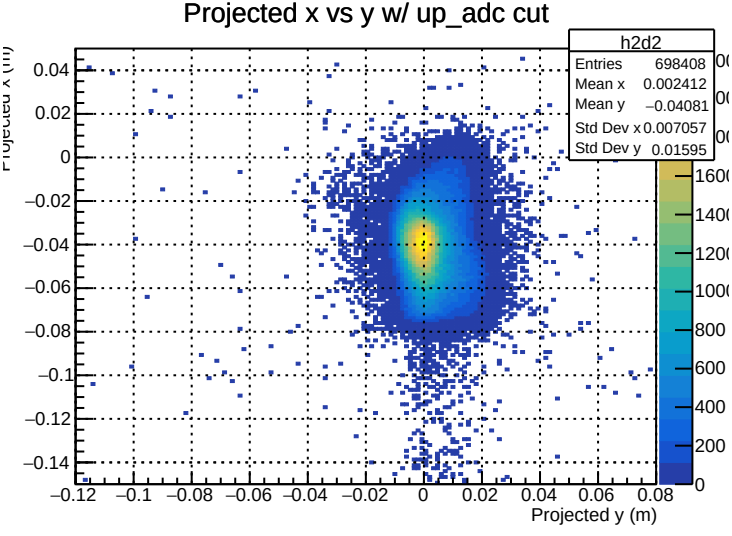

Q^2 $(GeV/c)^2$, yhiCut = 0.036 m
Q2
Entries 730880
Mean 0.006337
Std Dev 0.001192
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 $(GeV/c)^2$

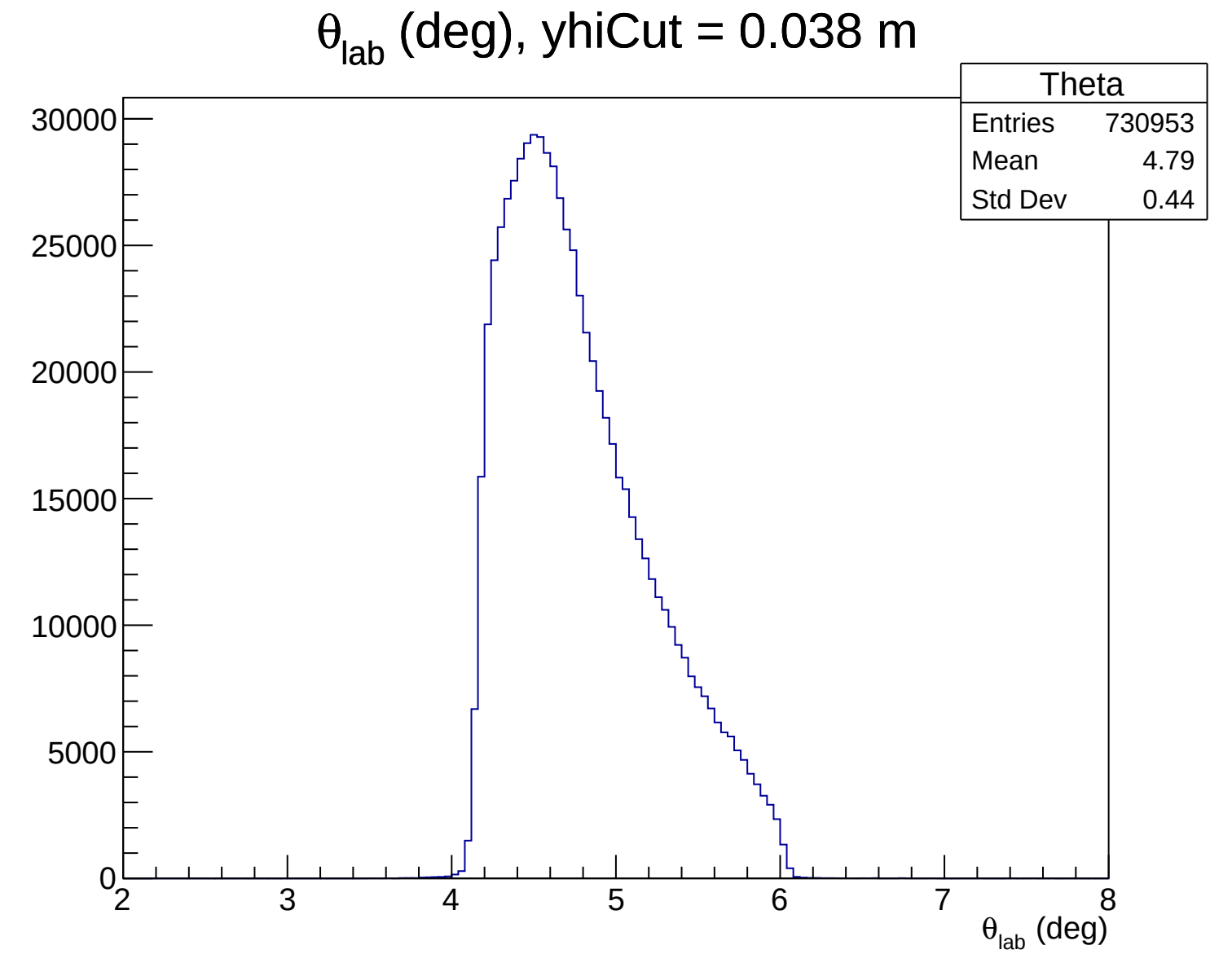

Sensitivity, yhiCut = 0.036 m
sens
Entries 730880
Mean 0.02231
Std Dev 0.003792
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

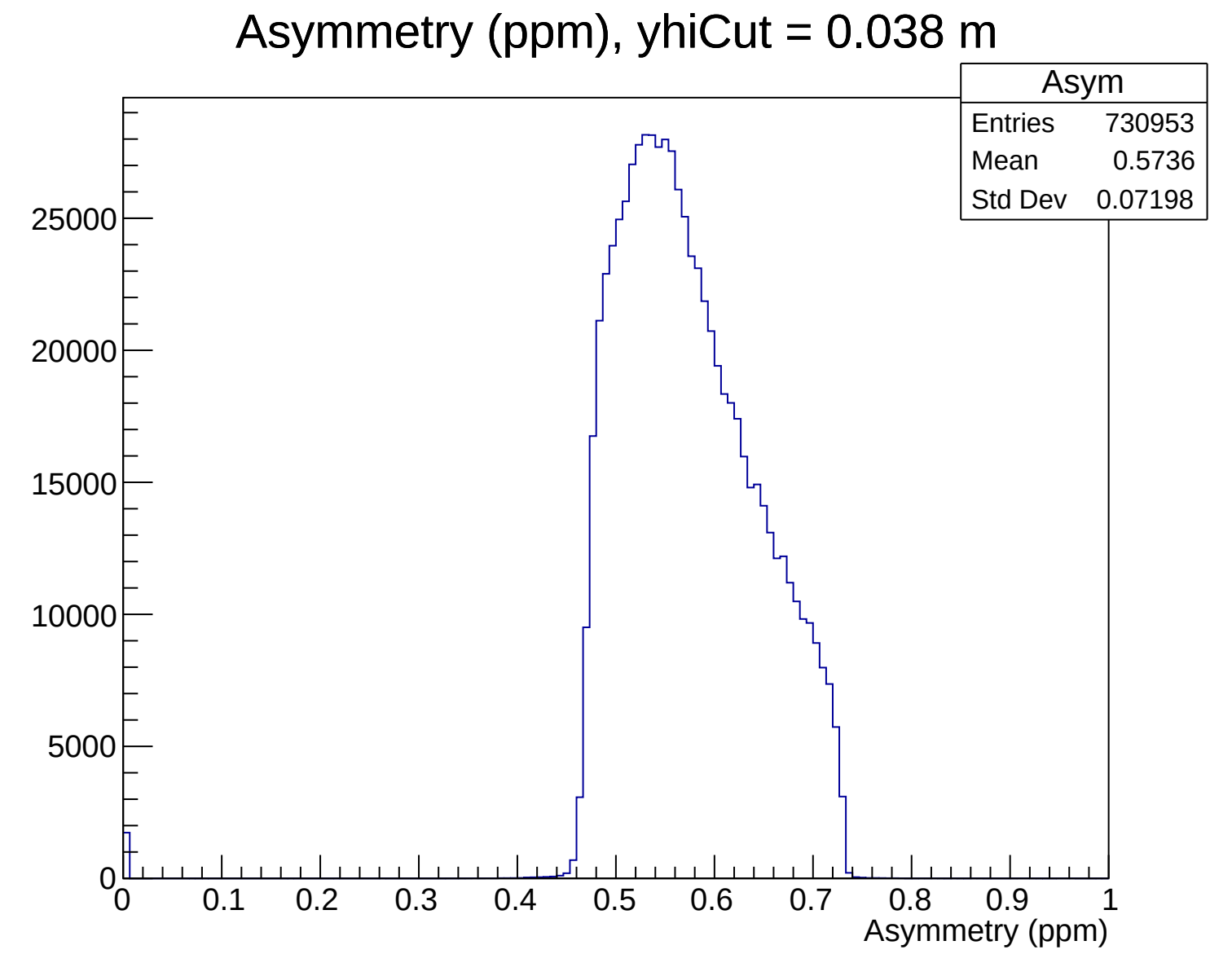

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

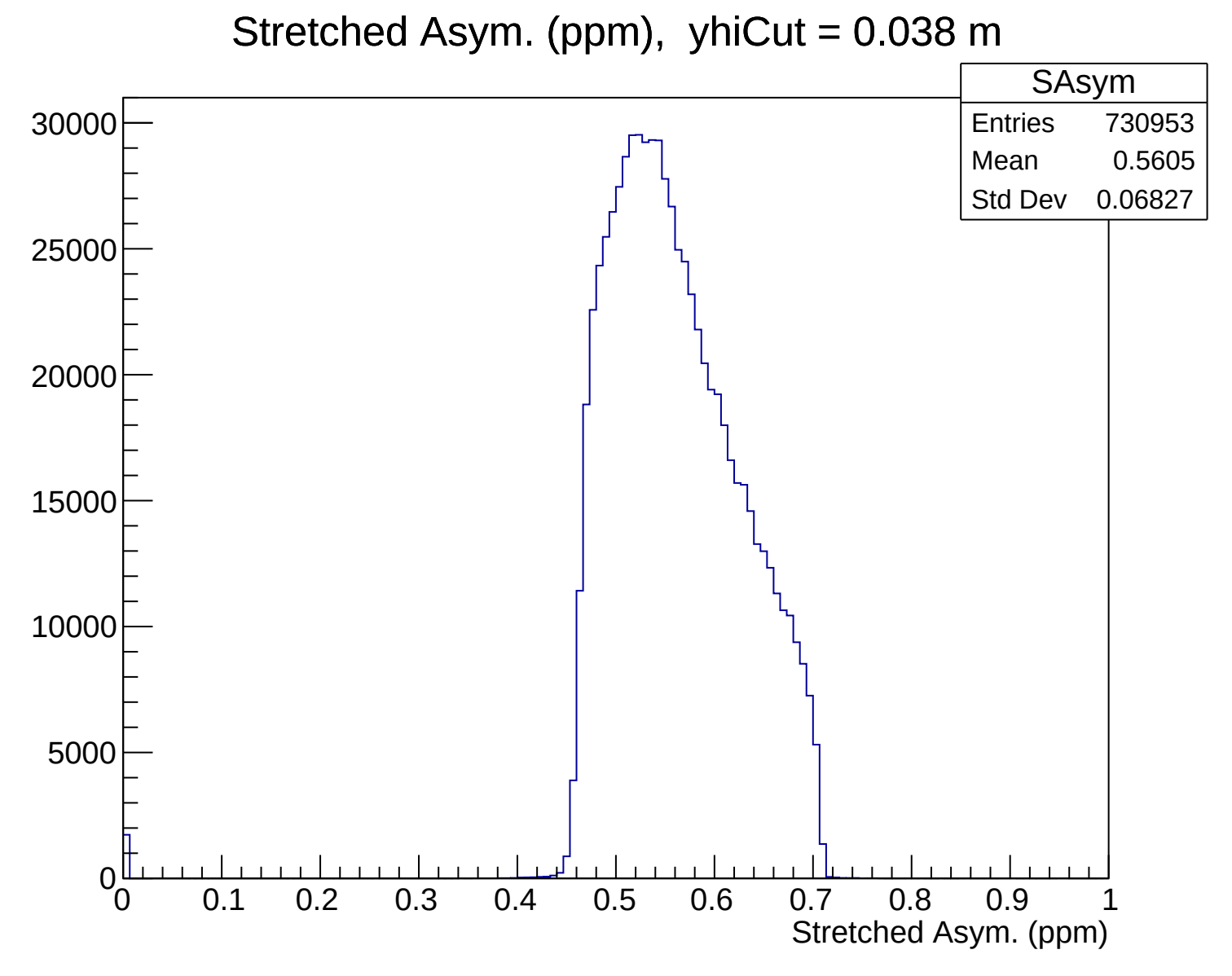

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.038
R.tr.y[0]+1.3*R.tr.ph[0] (m)

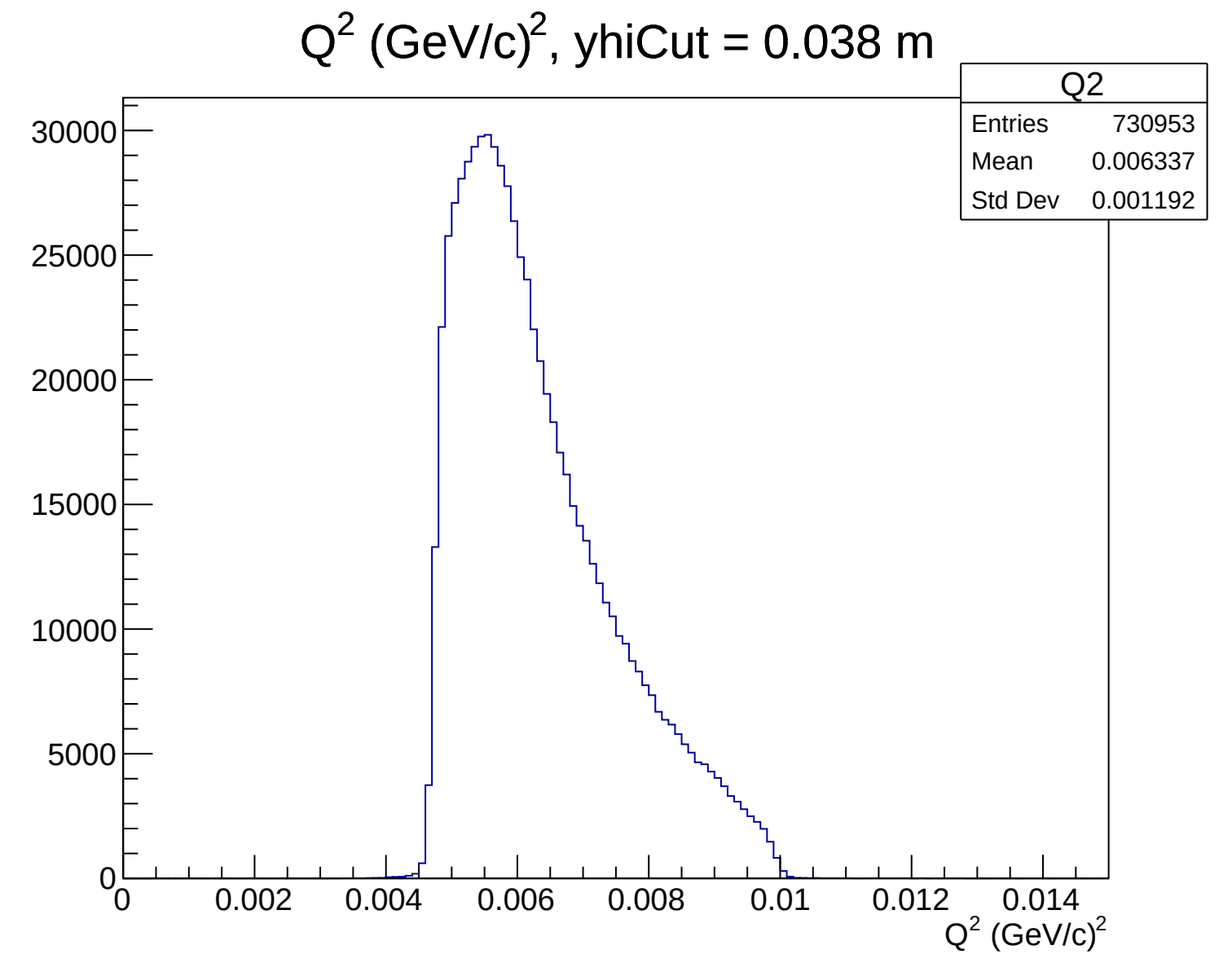

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

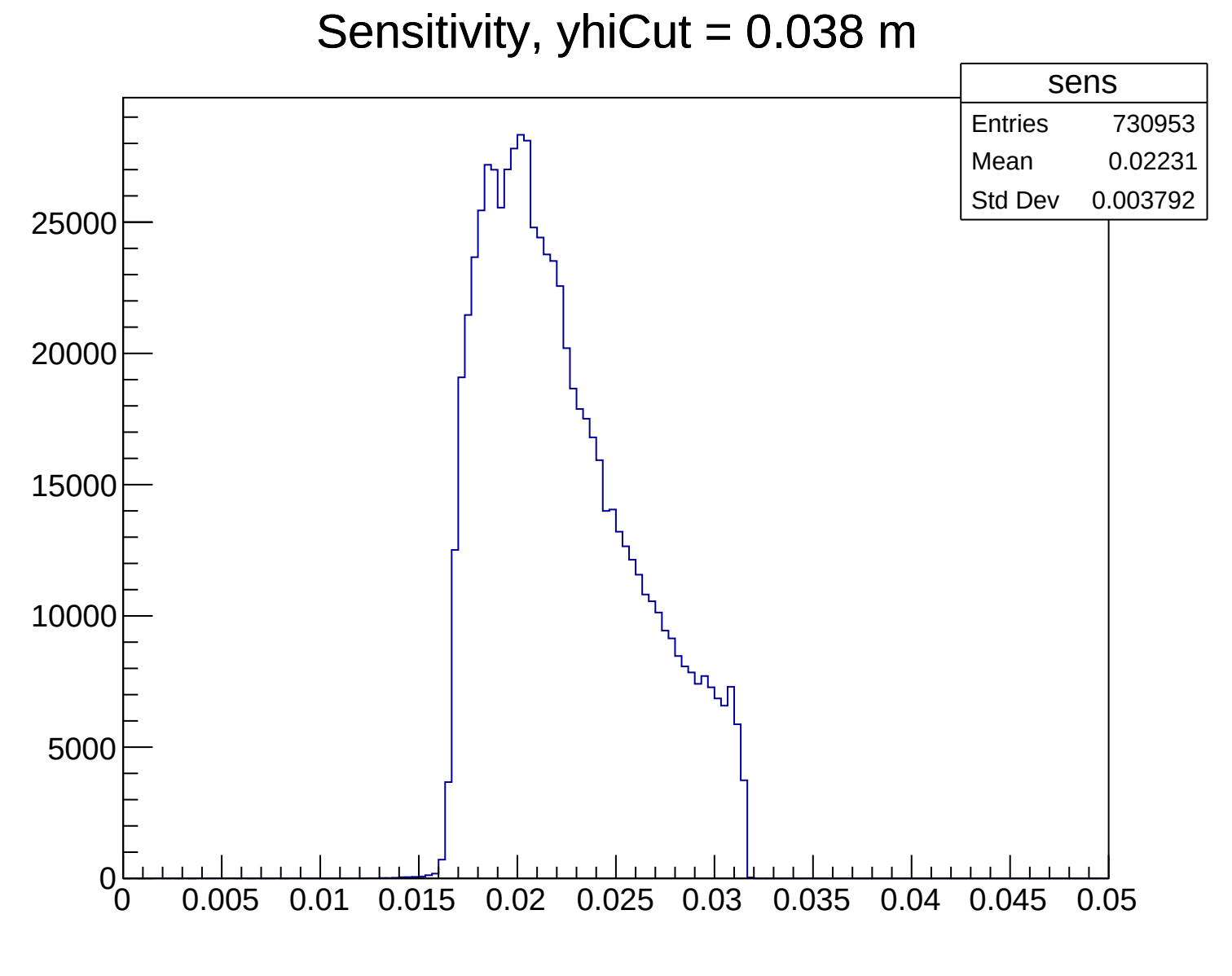

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)

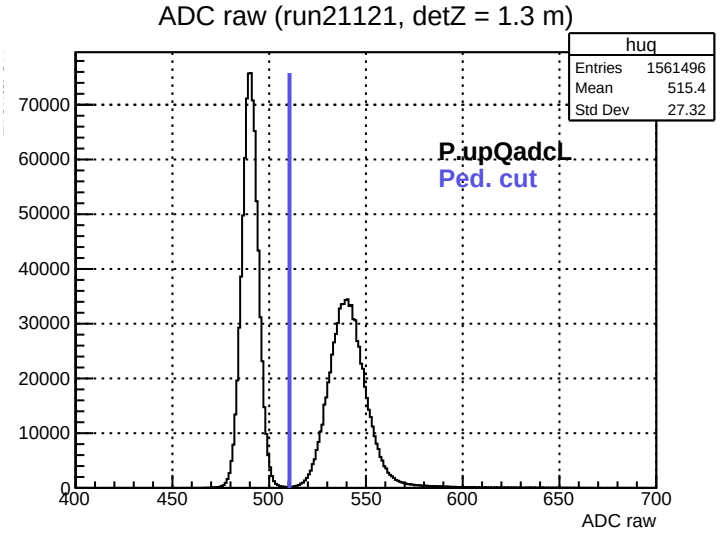

θlab (deg), yhiCut = 0.038 m
Theta
Entries 730953
Mean 4.79
Std Dev 0.44
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)

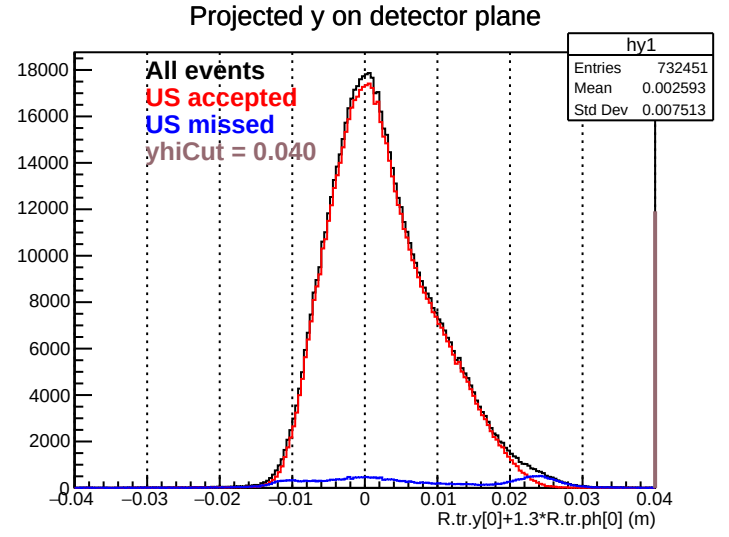

Asymmetry (ppm), yhiCut = 0.038 m
Asym
Entries 730953
Mean 0.5736
Std Dev 0.07198
25000
20000
15000
10000
5000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

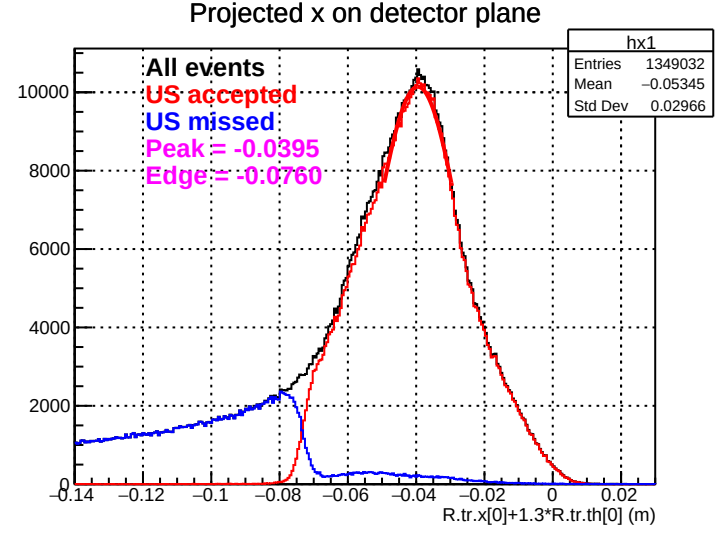

Stretched Asym. (ppm), yhiCut = 0.038 m
SAsym
Entries 730953
Mean 0.5605
Std Dev 0.06827
30000
25000
20000
15000
10000
5000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

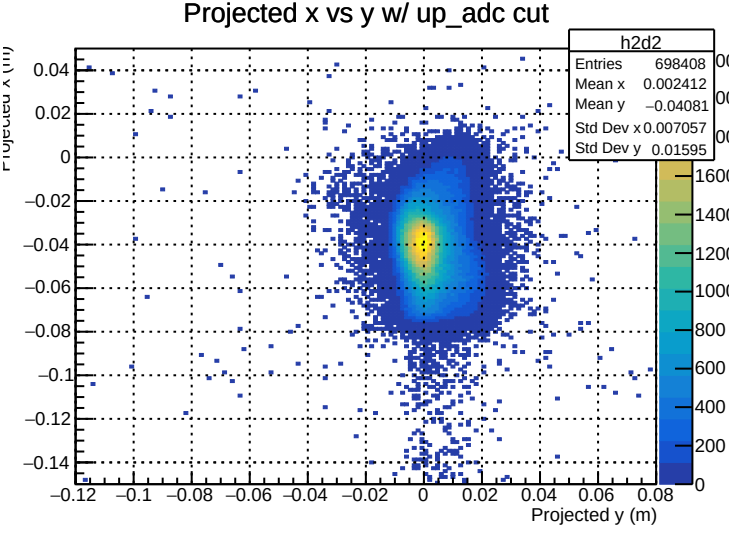

Q^2 (GeV/c)^2, yhiCut = 0.038 m
Q2
Entries 730953
Mean 0.006337
Std Dev 0.001192
30000
25000
20000
15000
10000
5000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

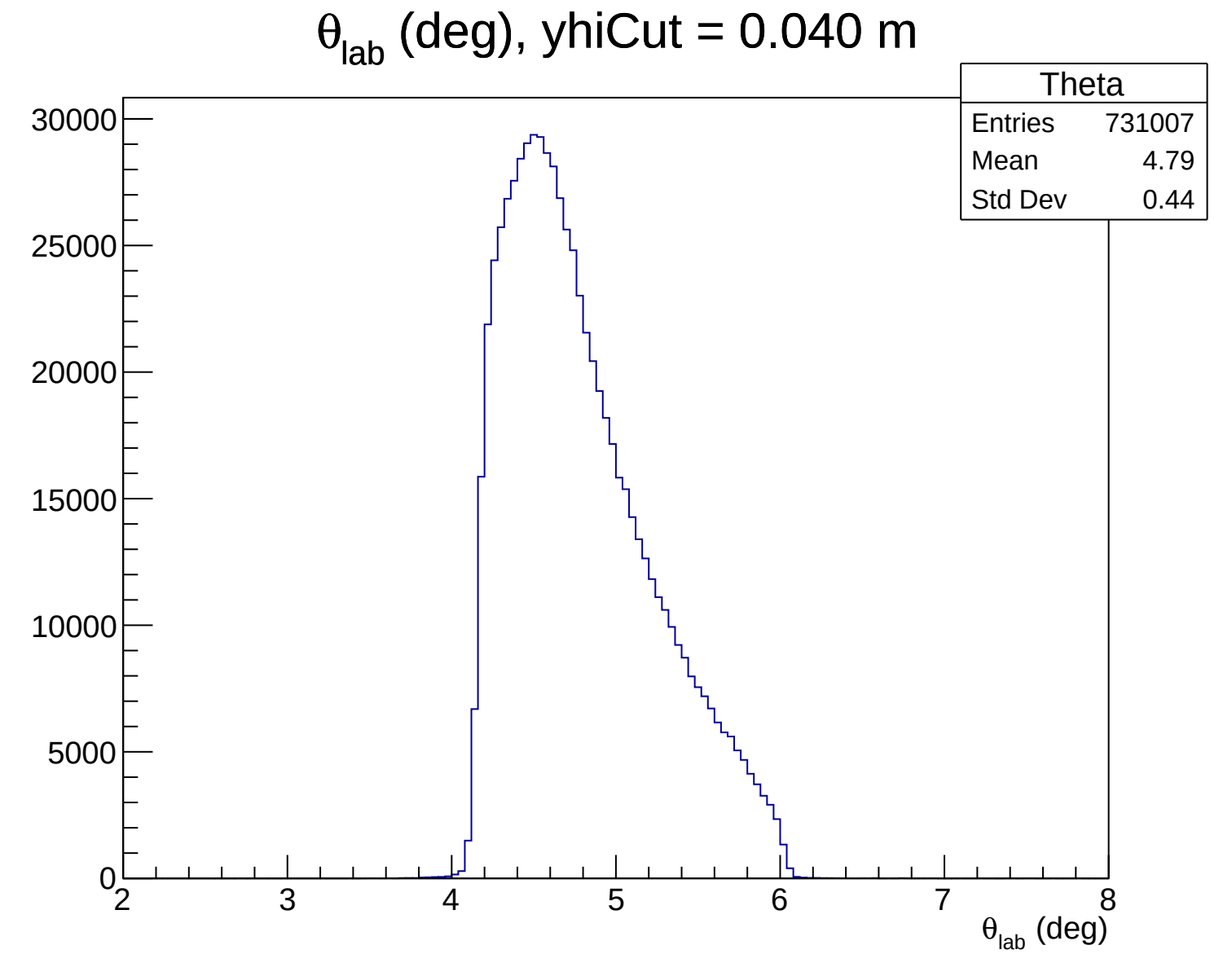

Sensitivity, yhiCut = 0.038 m
sens
Entries 730953
Mean 0.02231
Std Dev 0.003792
25000
20000
15000
10000
5000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

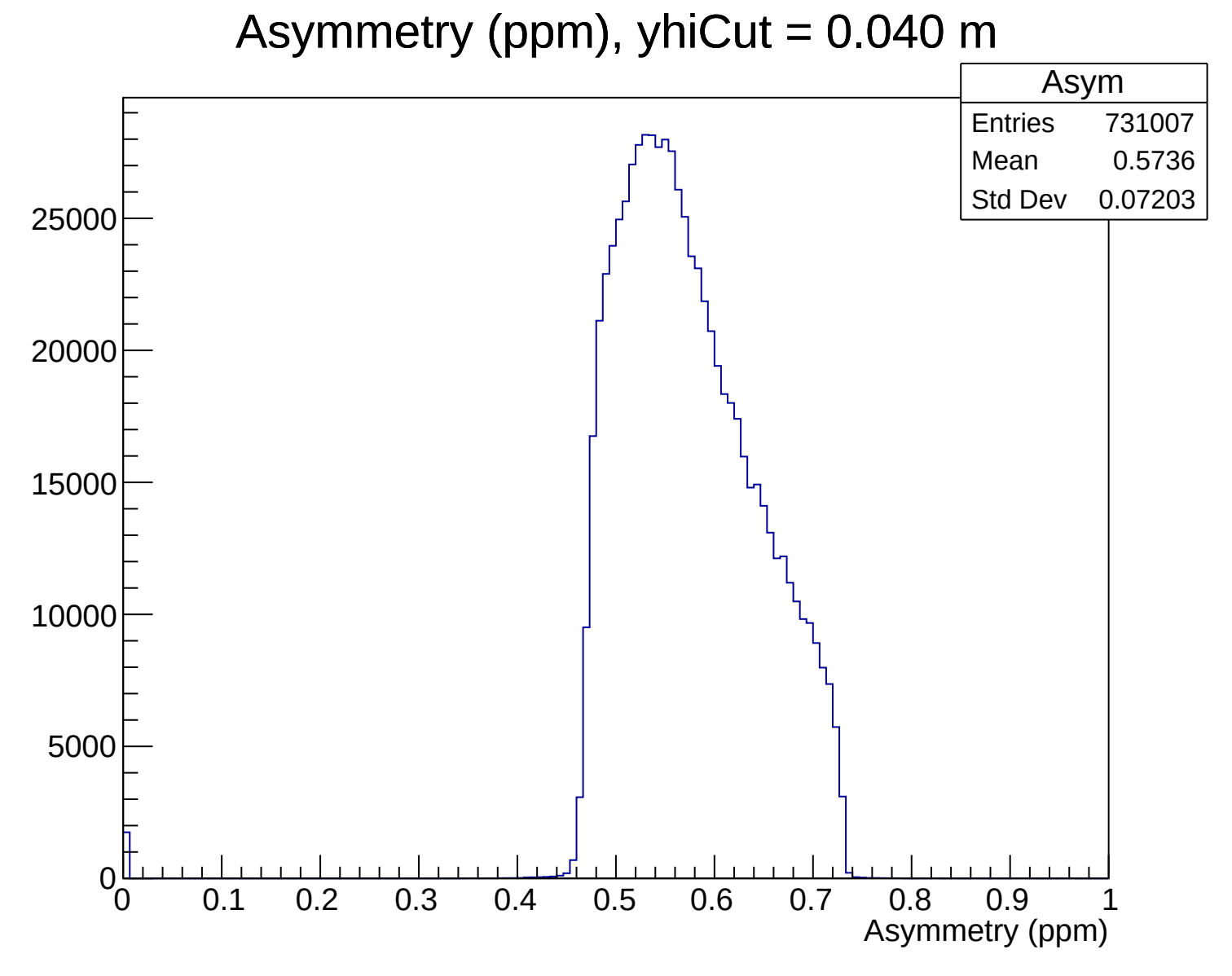

ADC raw (run21121, detZ = 1.3 m)
huq
Entries 1561496
Mean 515.4
Std Dev 27.32
P.upQadcL
Ped. cut
ADC raw

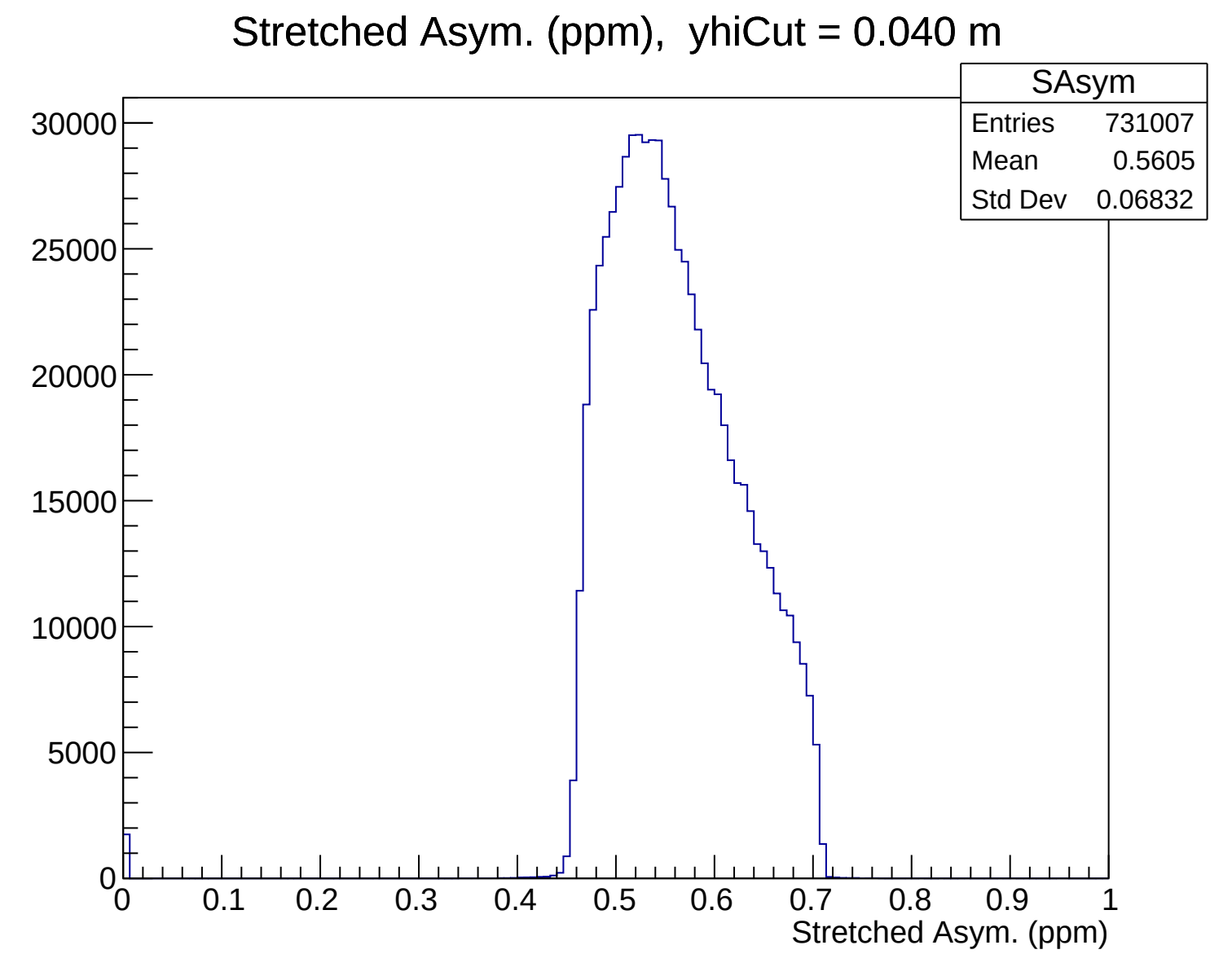

Projected y on detector plane
hy1
Entries 732451
Mean 0.002593
Std Dev 0.007513
All events
US accepted
US missed
yhiCut = 0.040
R.tr.y[0]+1.3*R.tr.ph[0] (m)

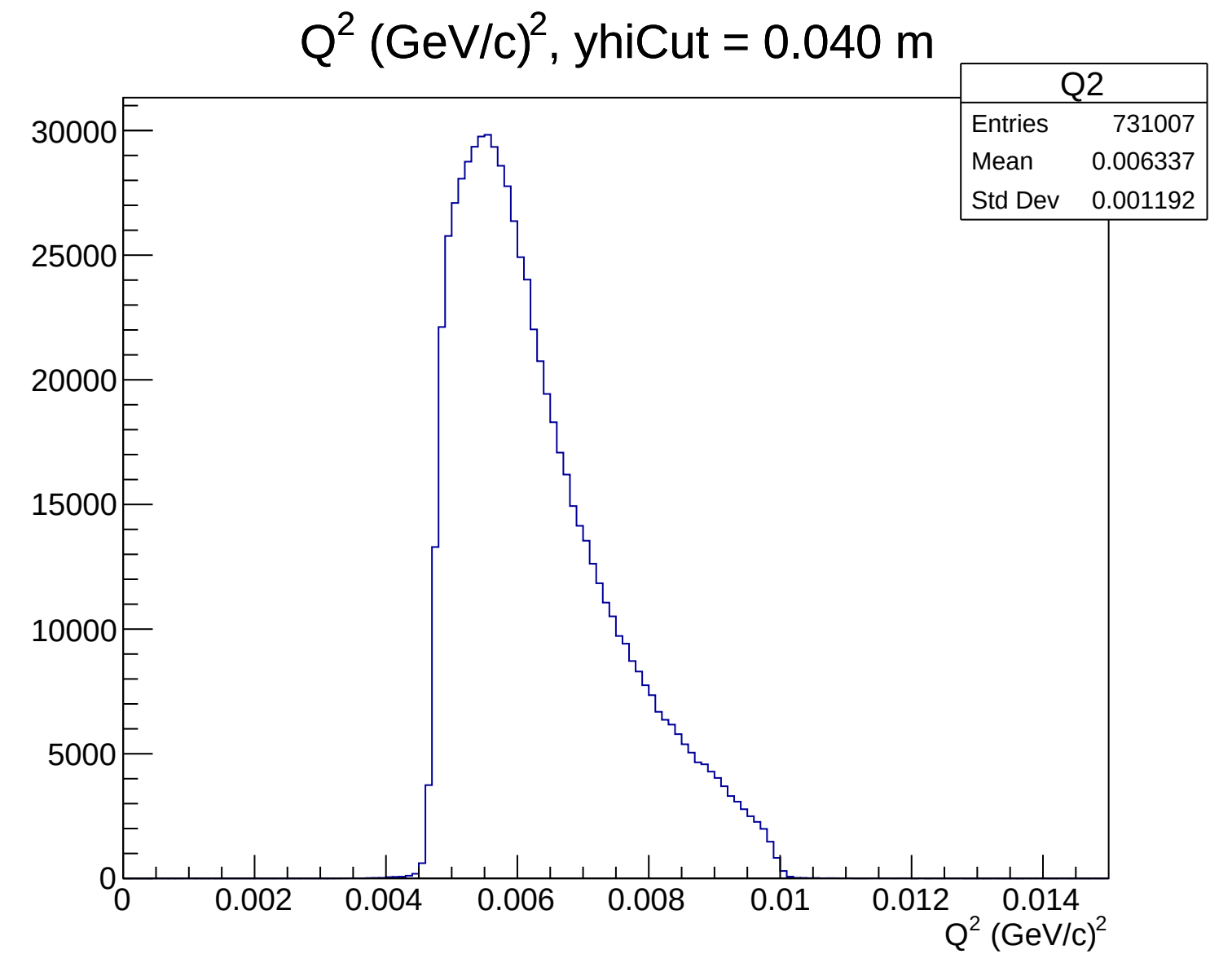

Projected x on detector plane
hx1
Entries 1349032
Mean −0.05345
Std Dev 0.02966
All events
US accepted
US missed
Peak = -0.0395
Edge = -0.0760
R.tr.x[0]+1.3*R.tr.th[0] (m)

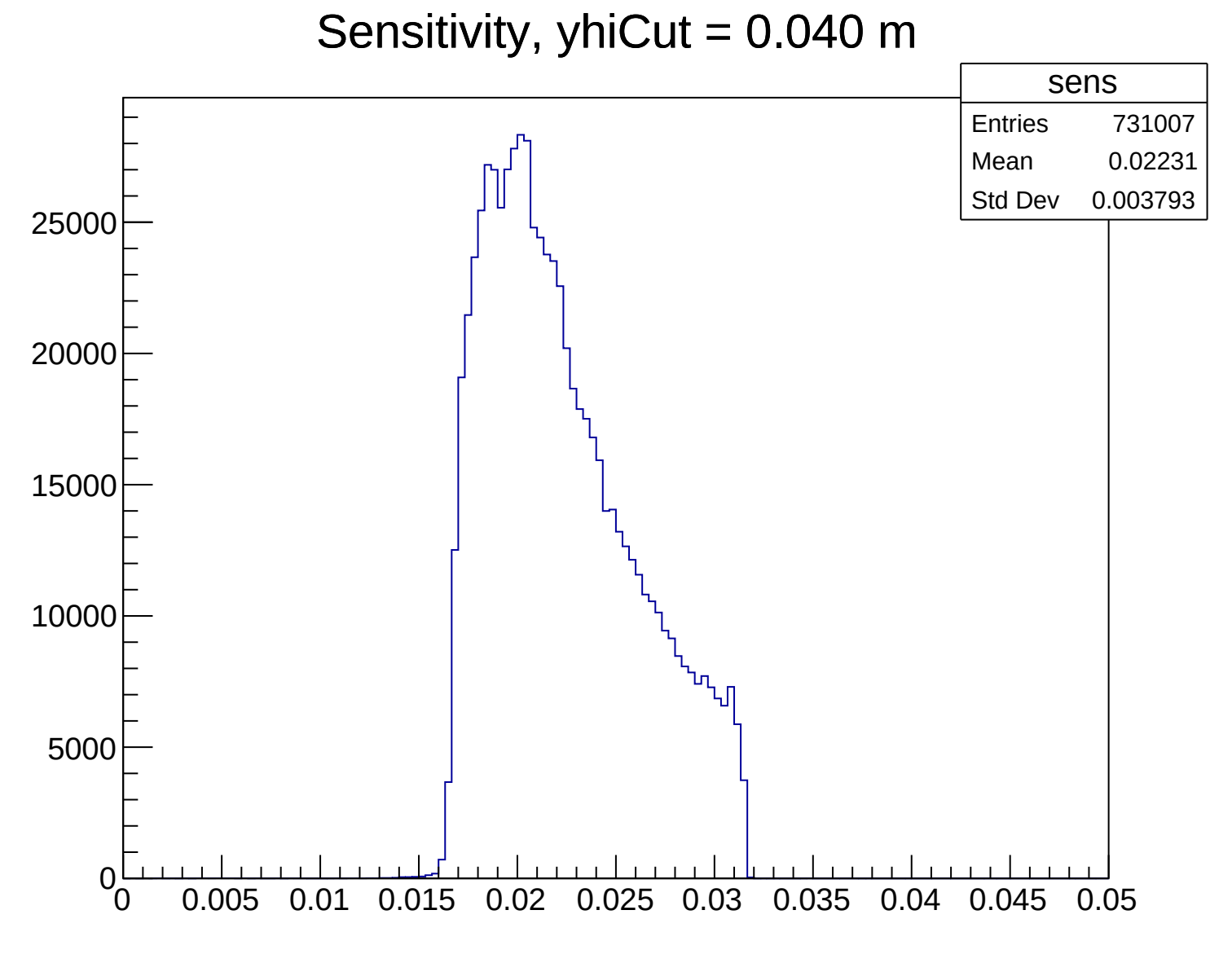

Projected x vs y w/ up_adc cut
h2d2
Entries 698408
Mean x 0.002412
Mean y −0.04081
Std Dev x 0.007057
Std Dev y 0.01595
Projected y (m)


θlab (deg), yhiCut = 0.040 m
Theta
Entries 731007
Mean 4.79
Std Dev 0.44
30000
25000
20000
15000
10000
5000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), yhiCut = 0.040 m
Asym
Entries 731007
Mean 0.5736
Std Dev 0.07203
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), yhiCut = 0.040 m
SAsym
Entries 731007
Mean 0.5605
Std Dev 0.06832
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, yhiCut = 0.040 m
Q2
Entries 731007
Mean 0.006337
Std Dev 0.001192
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, yhiCut = 0.040 m
sens
Entries 731007
Mean 0.02231
Std Dev 0.003793
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