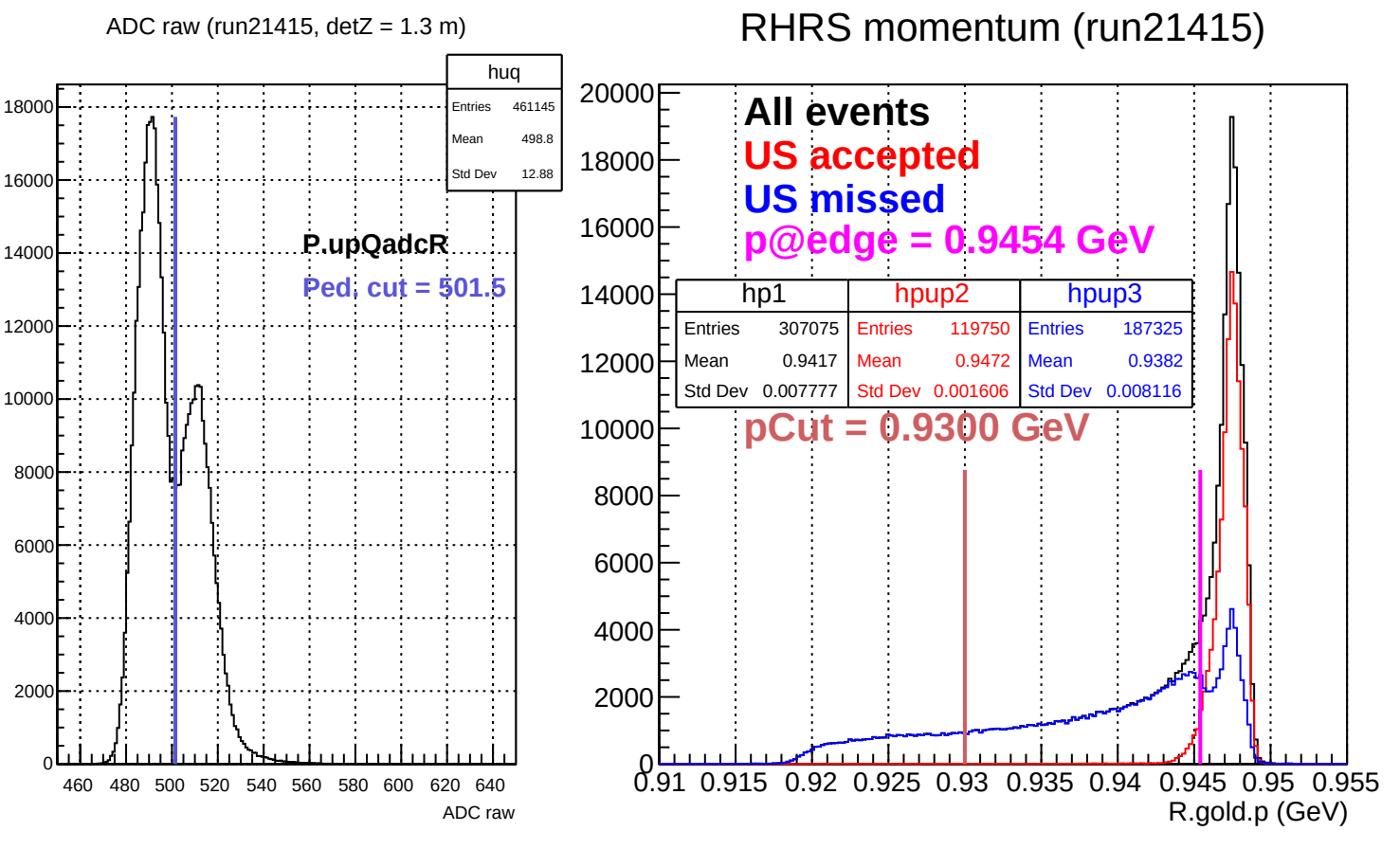
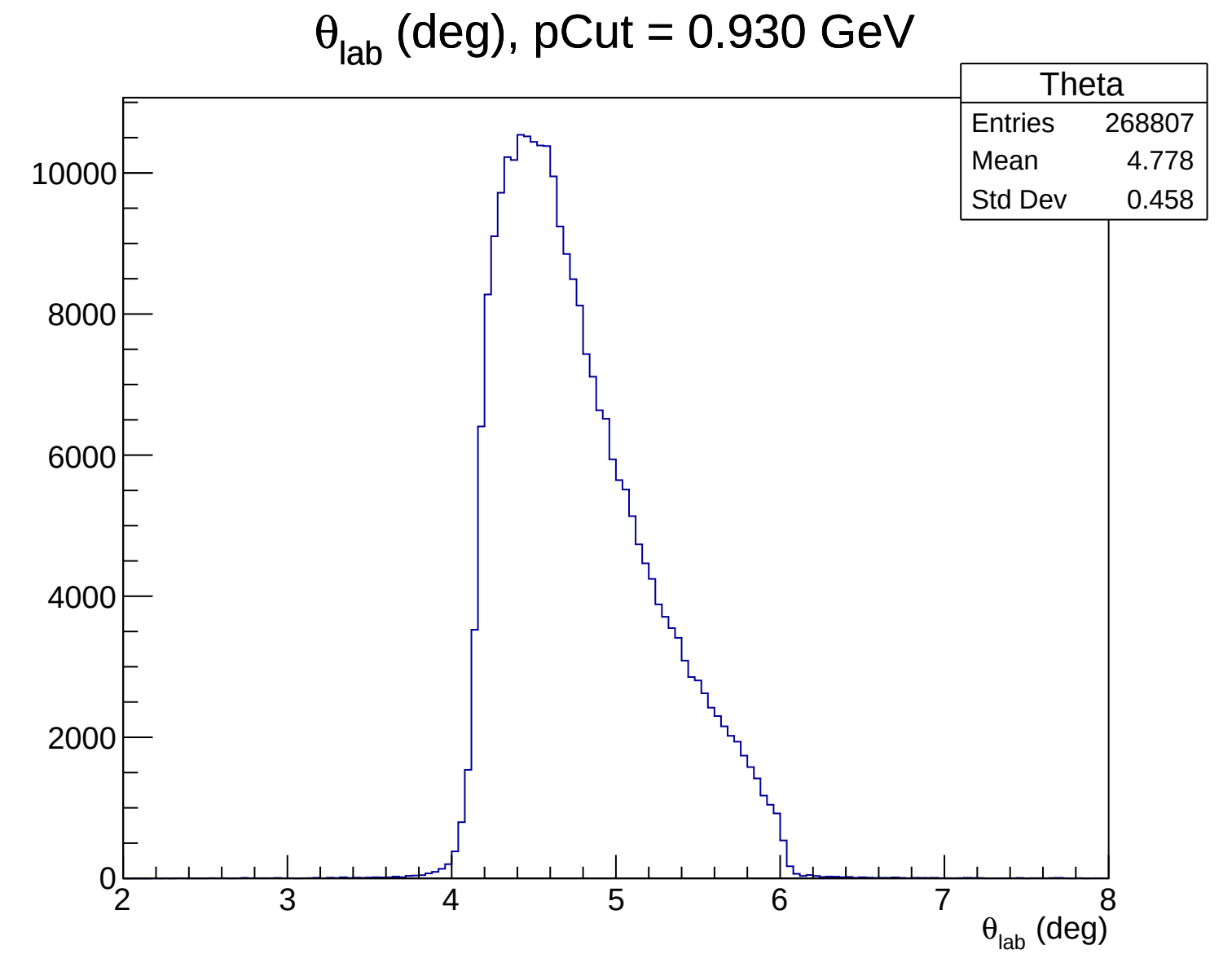
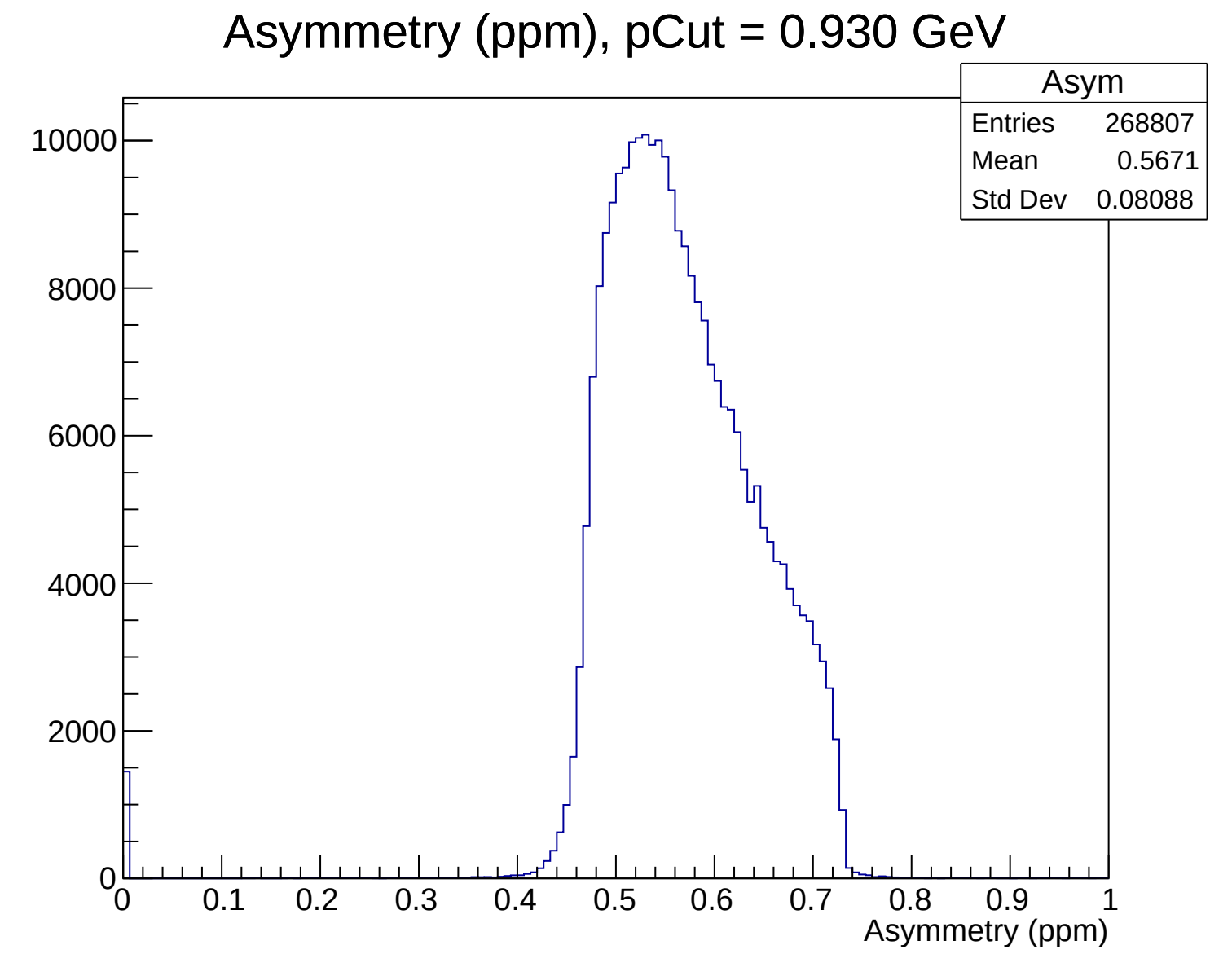
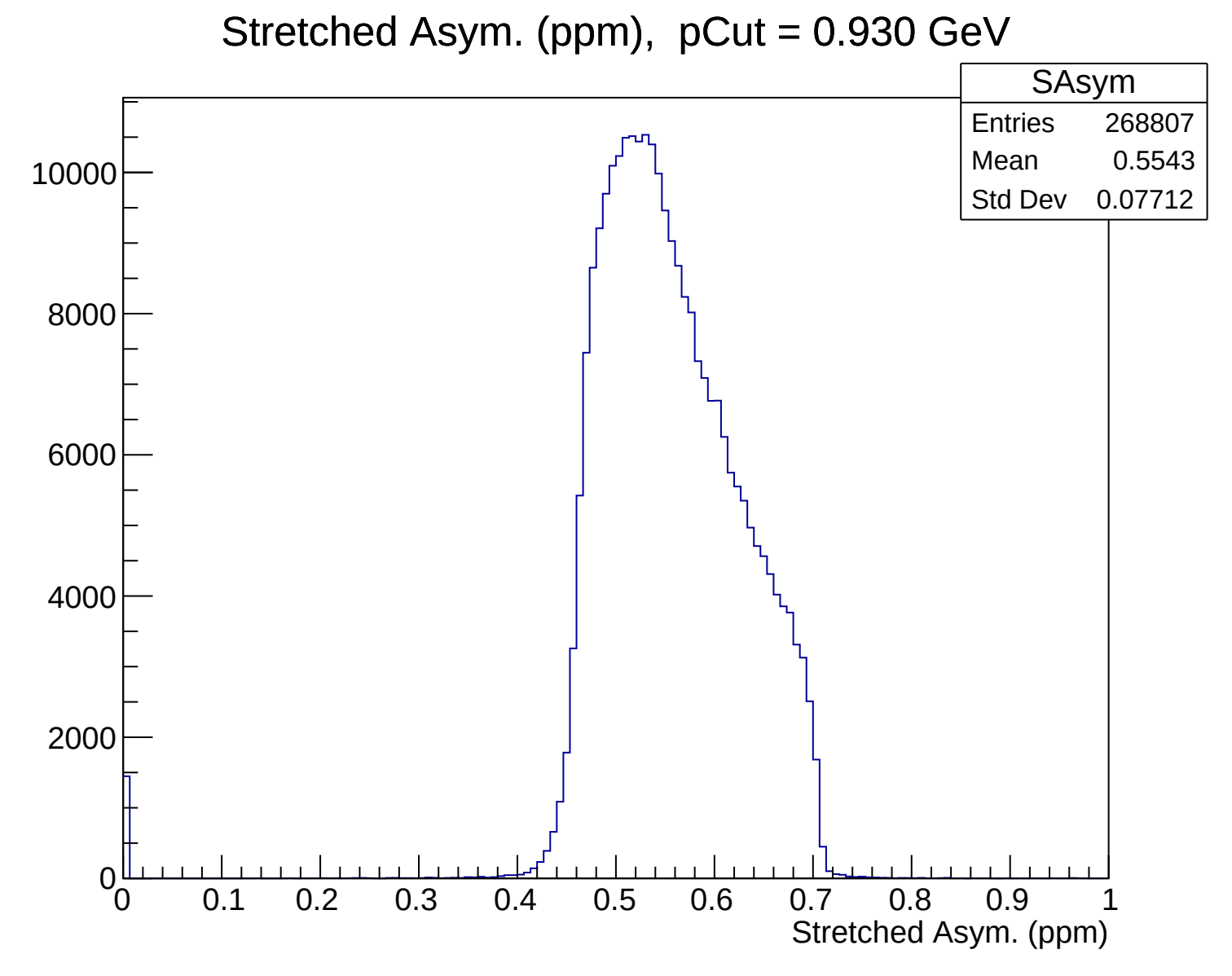
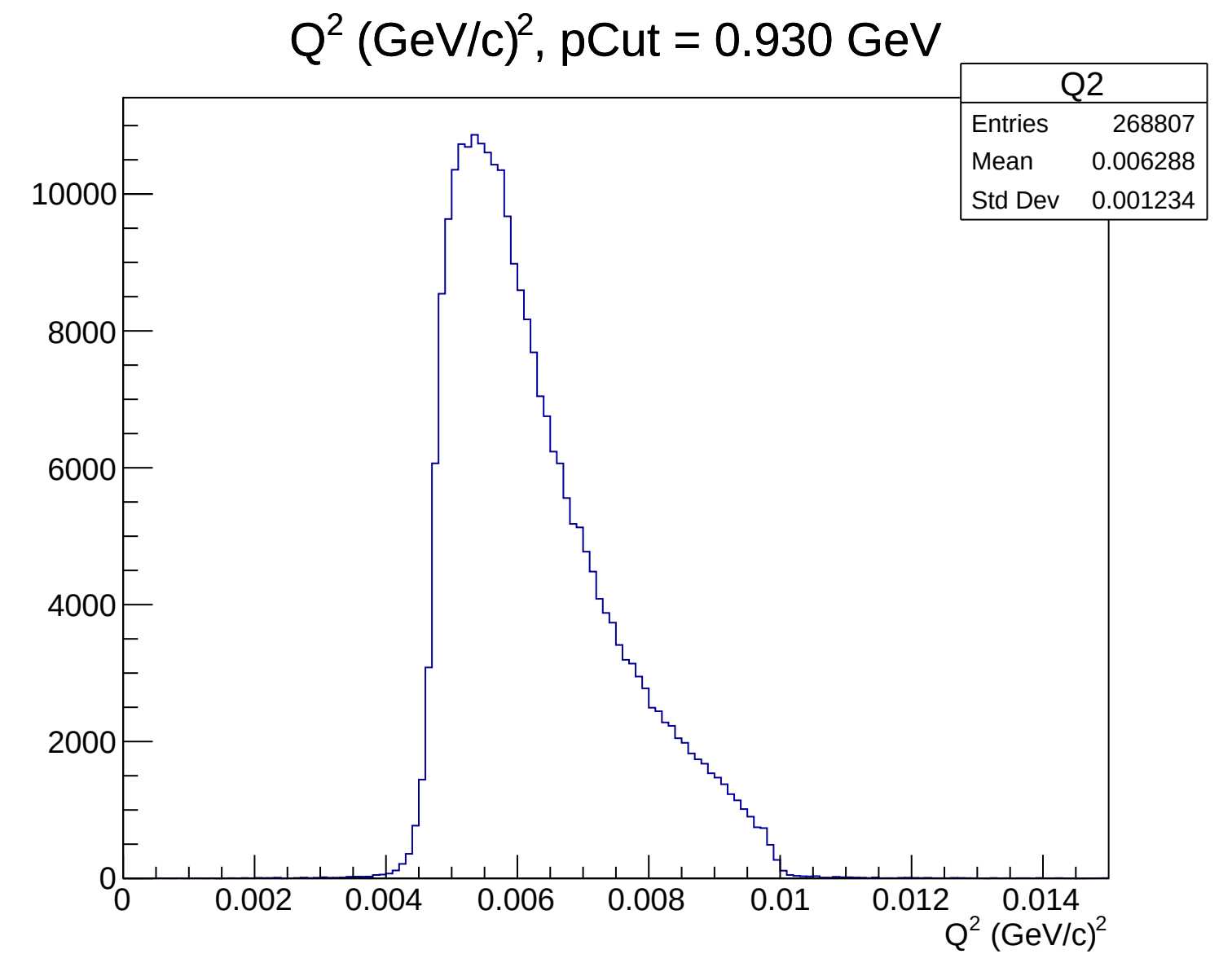
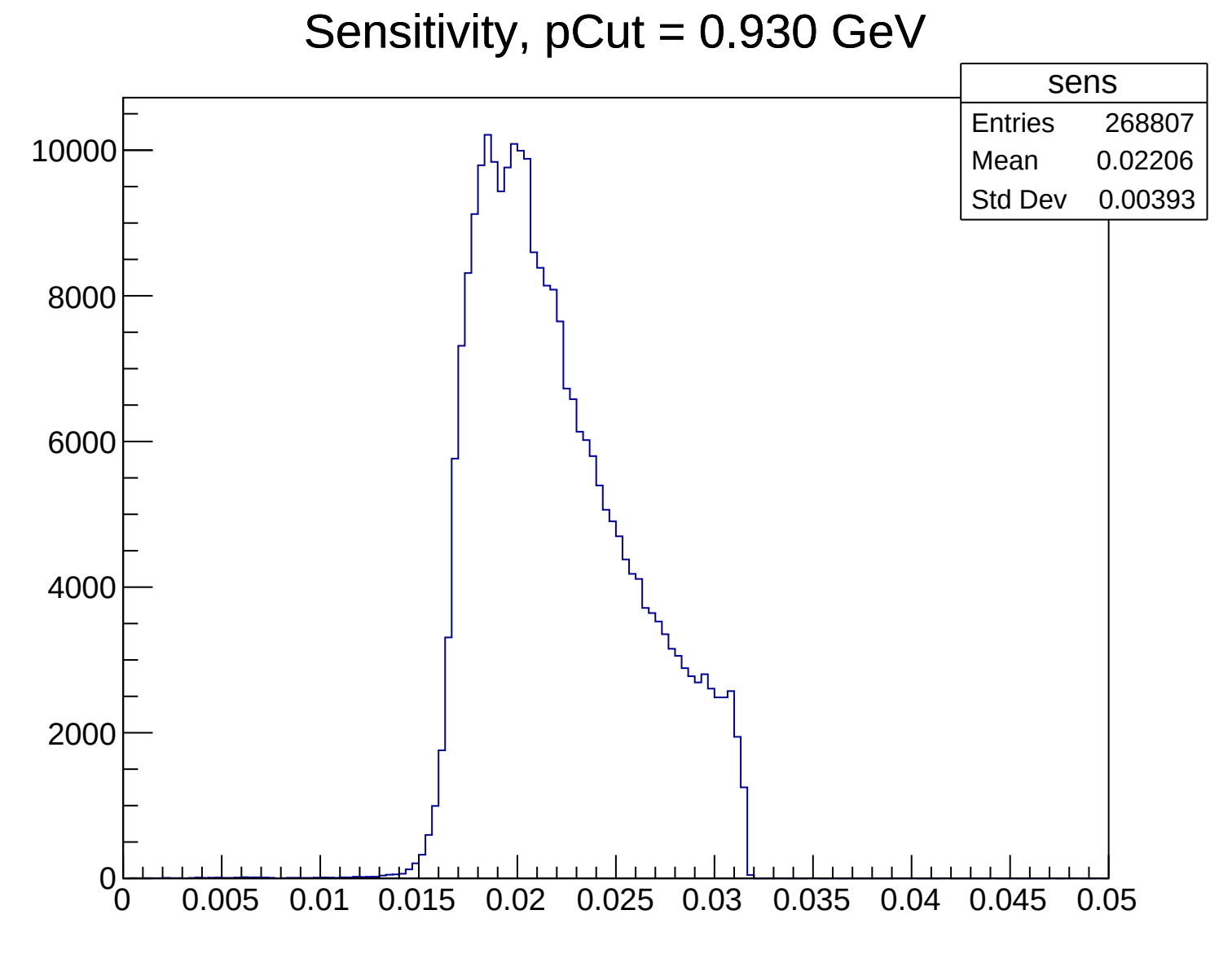

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9300 GeV
R.gold.p (GeV)

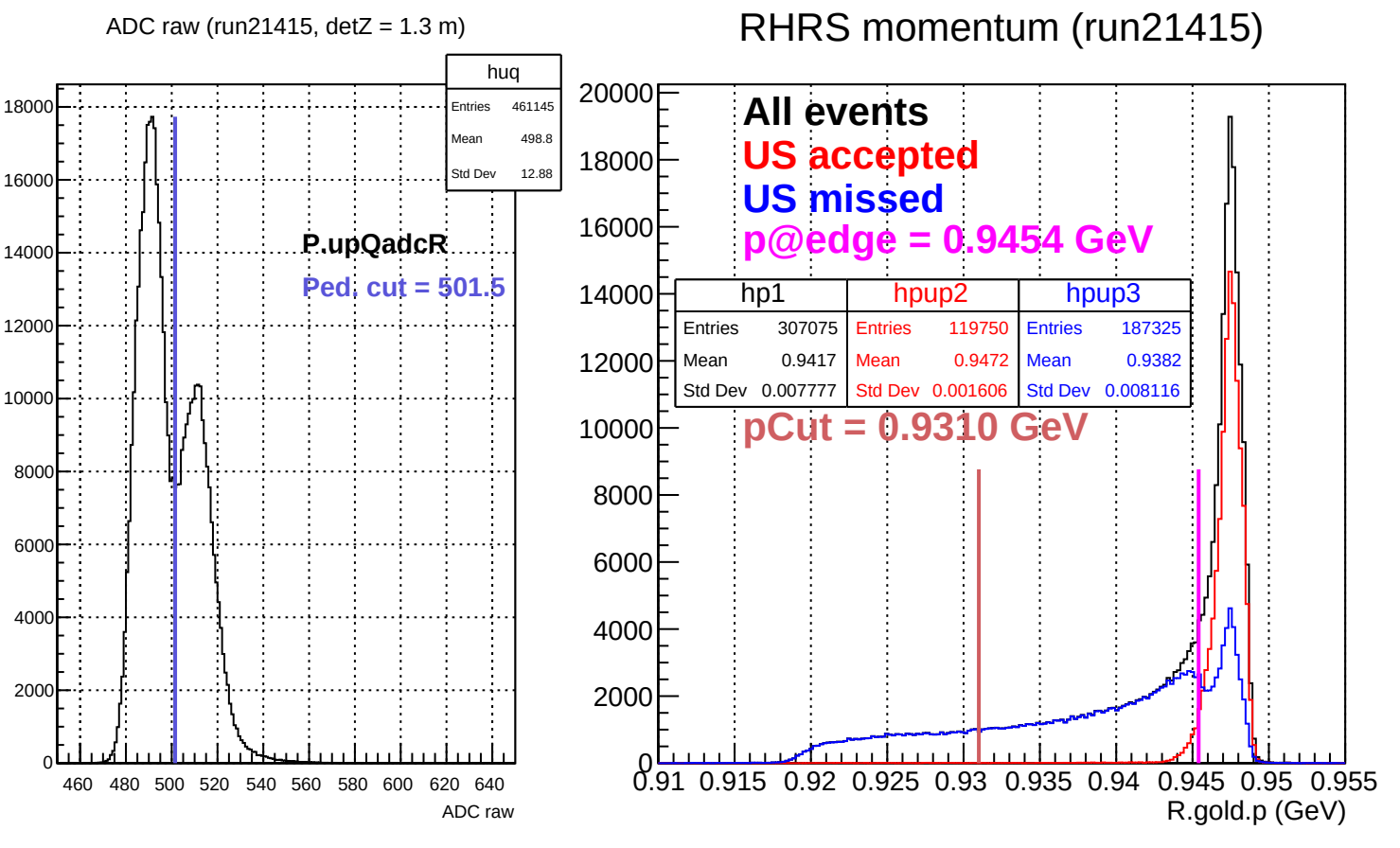

θlab (deg), pCut = 0.930 GeV
Theta
Entries 268807
Mean 4.778
Std Dev 0.458
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

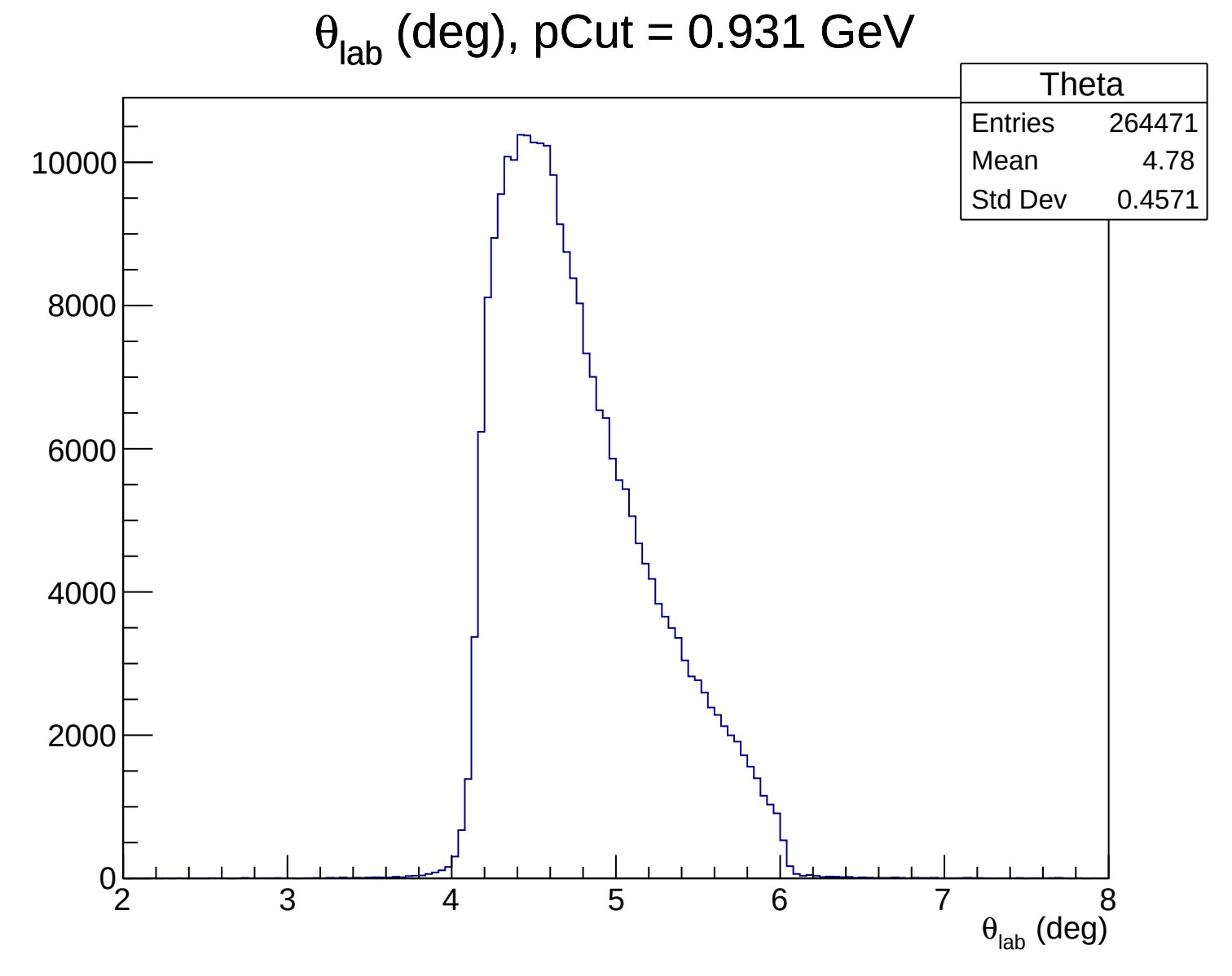

Asymmetry (ppm), pCut = 0.930 GeV
Asym
Entries 268807
Mean 0.5671
Std Dev 0.08088
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

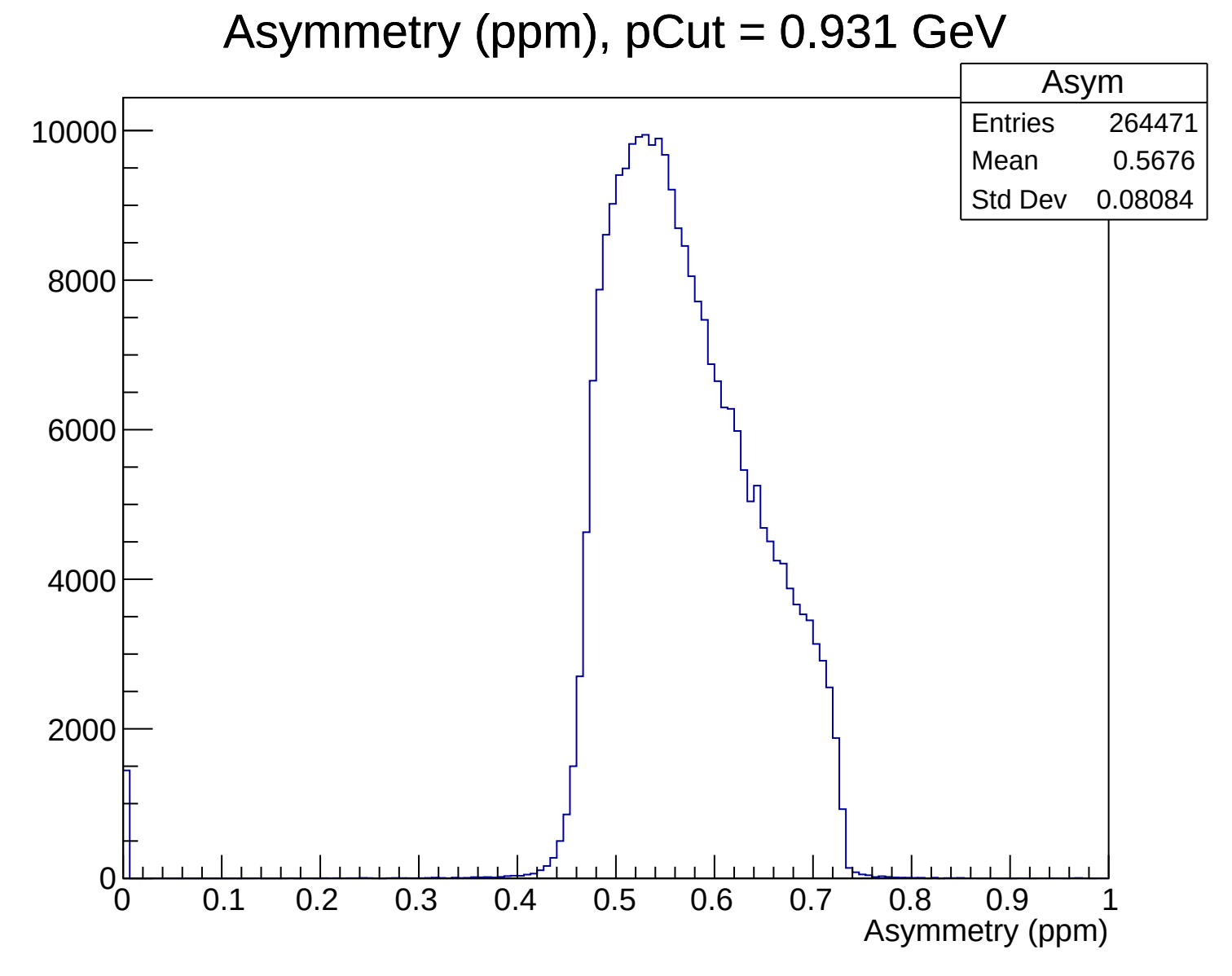

Stretched Asym. (ppm), pCut = 0.930 GeV
SAsym
Entries 268807
Mean 0.5543
Std Dev 0.07712
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

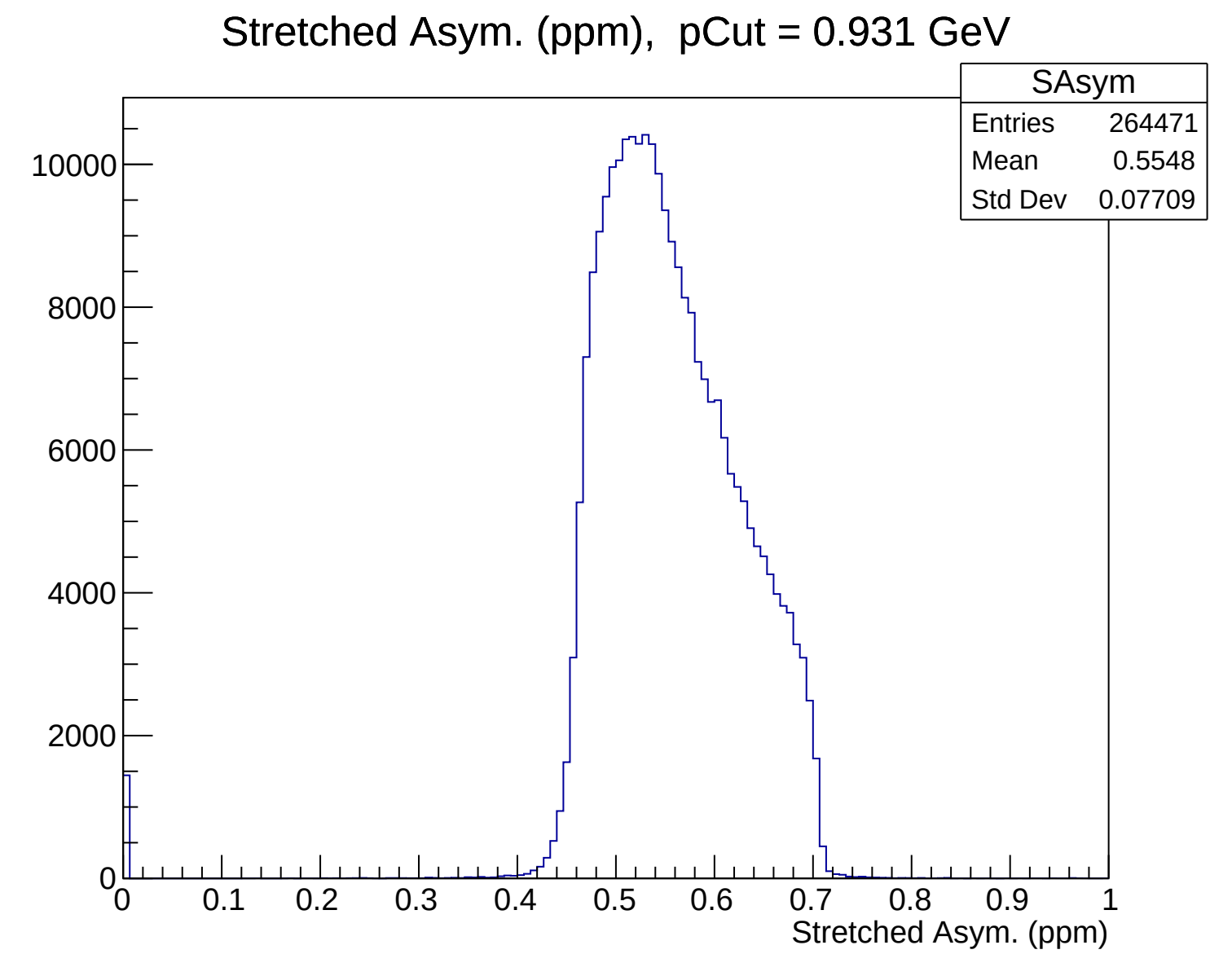

Q^2 (GeV/c)^2, pCut = 0.930 GeV
Q2
Entries 268807
Mean 0.006288
Std Dev 0.001234
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

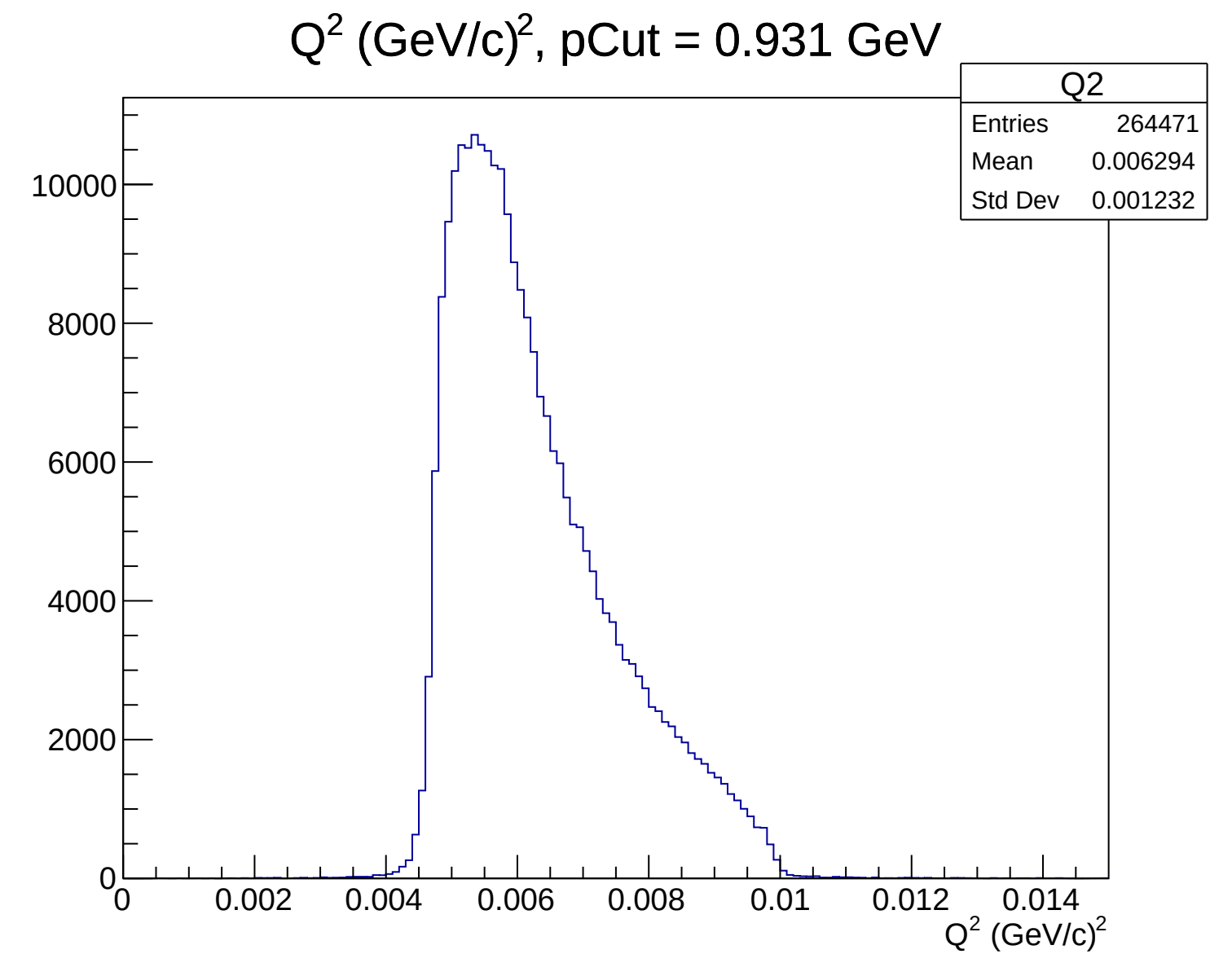

Sensitivity, pCut = 0.930 GeV
sens
Entries 268807
Mean 0.02206
Std Dev 0.00393
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

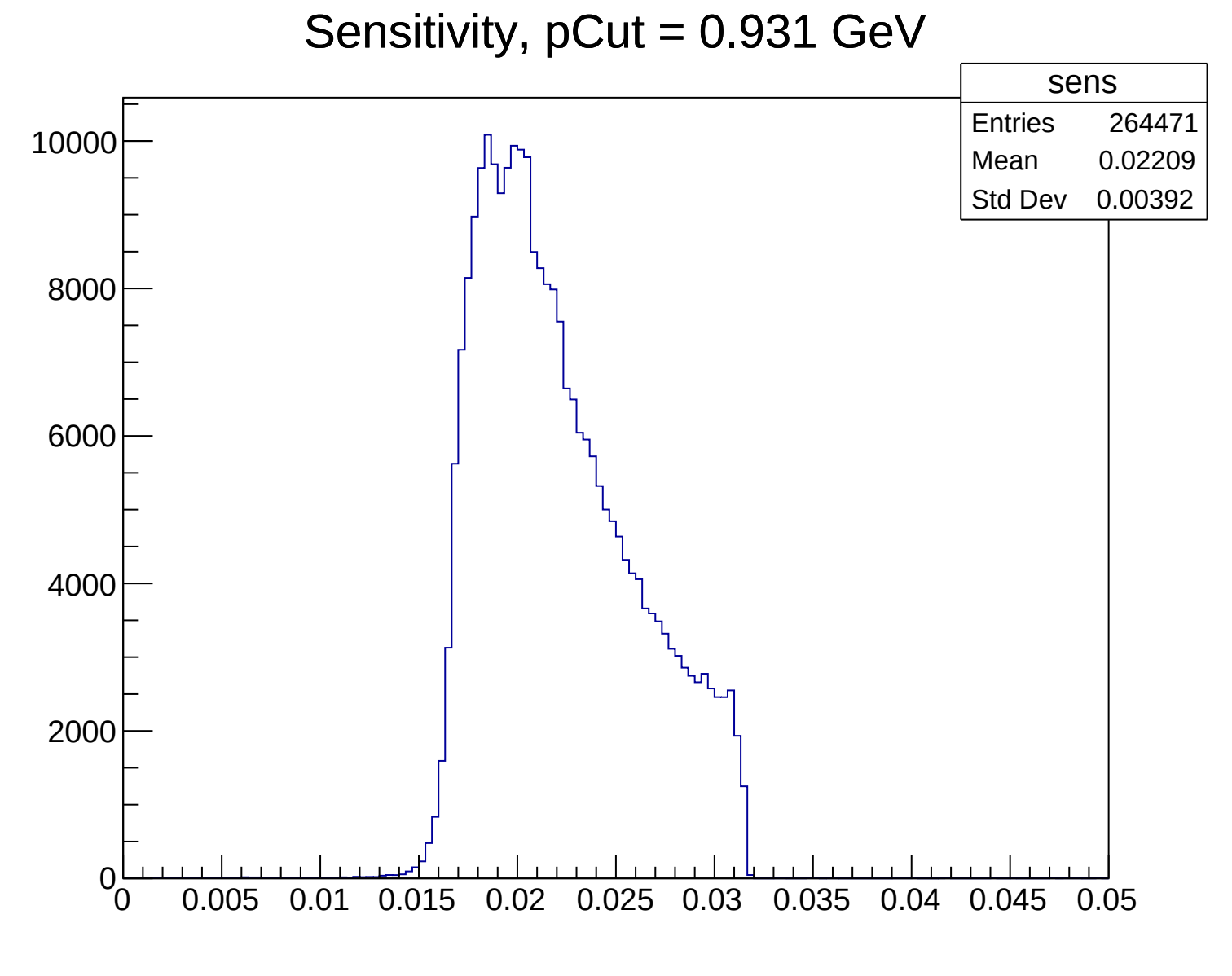

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9310 GeV
R.gold.p (GeV)

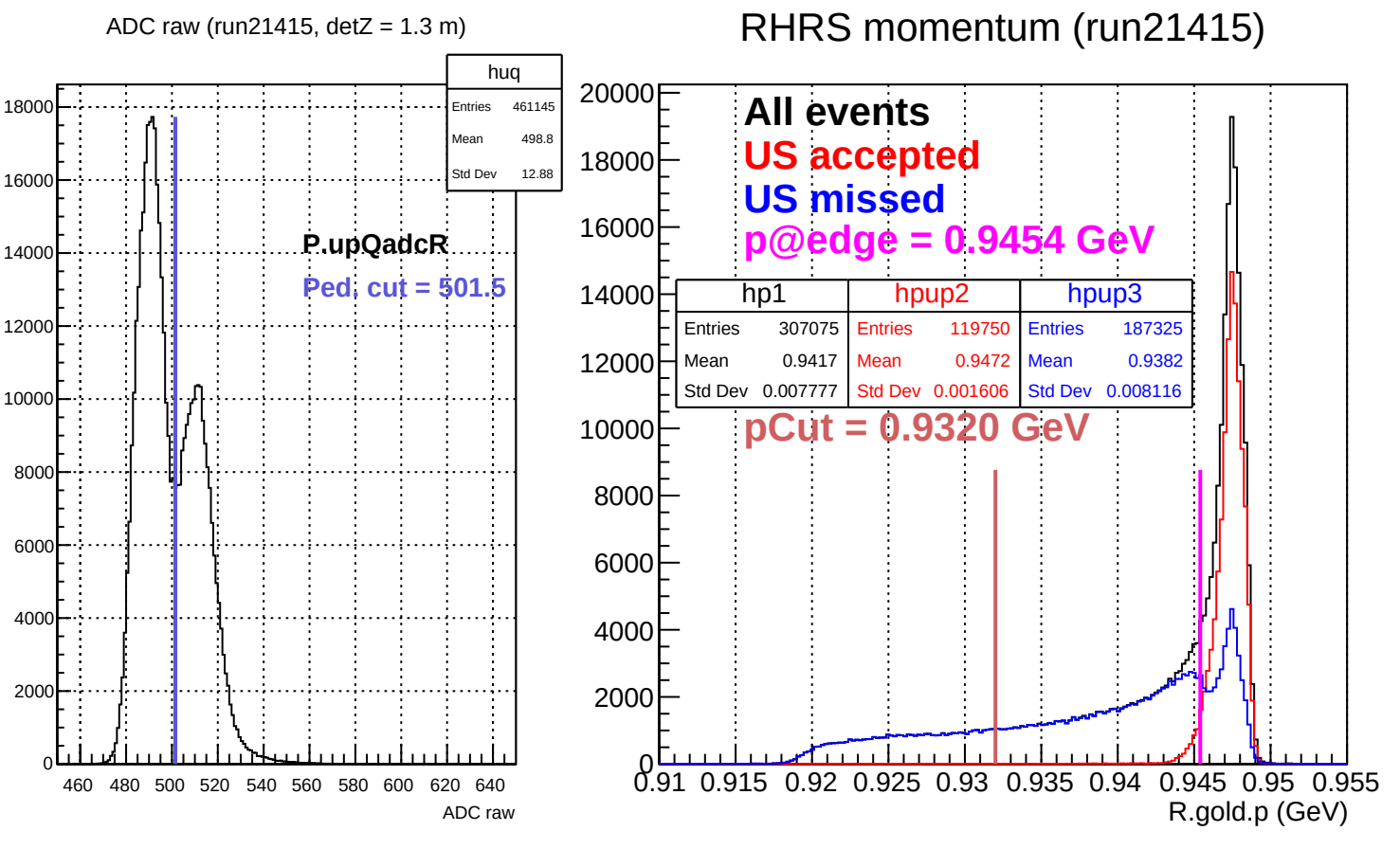

θlab (deg), pCut = 0.931 GeV
Theta
Entries 264471
Mean 4.78
Std Dev 0.4571
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

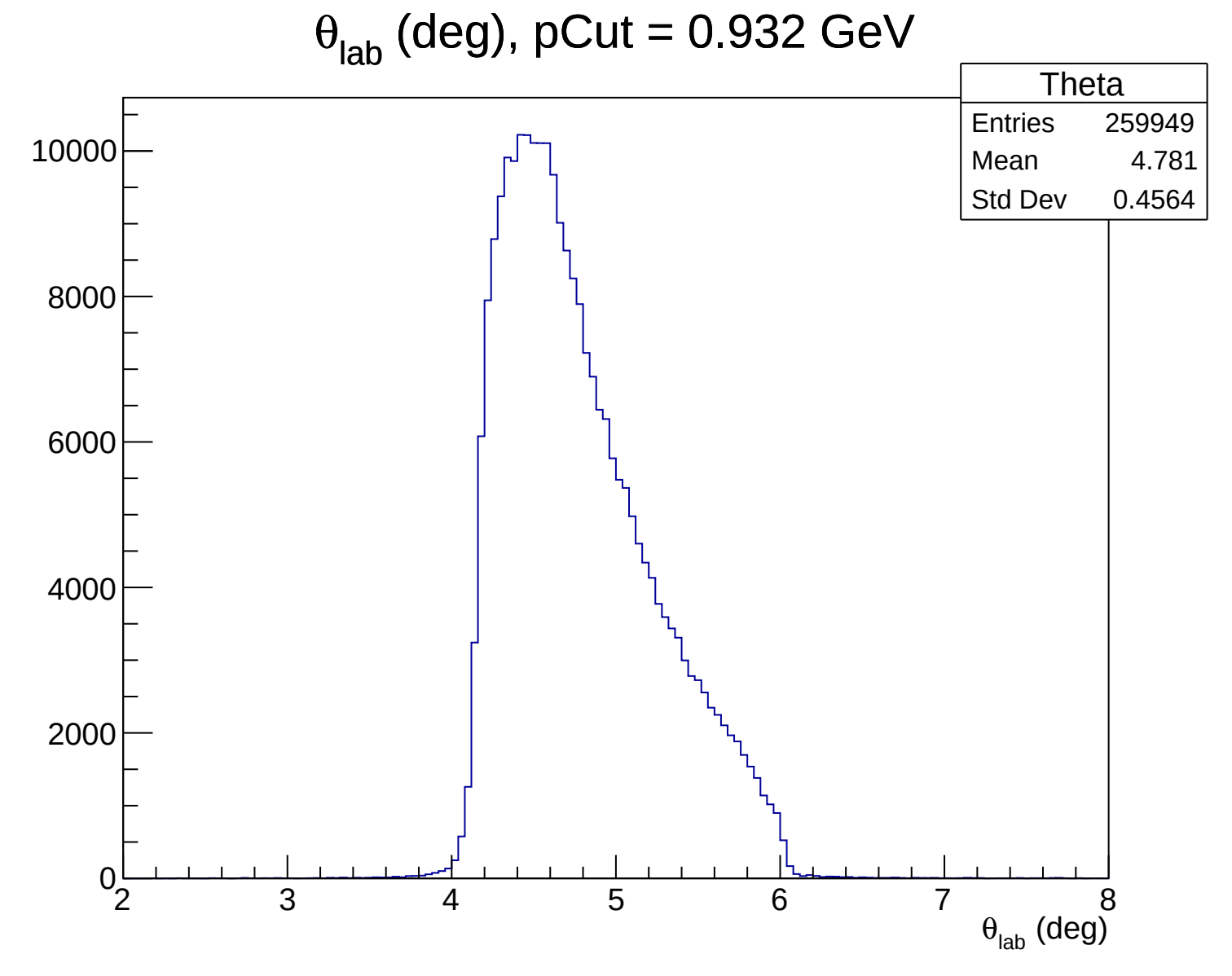

Asymmetry (ppm), pCut = 0.931 GeV
Asym
Entries 264471
Mean 0.5676
Std Dev 0.08084
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

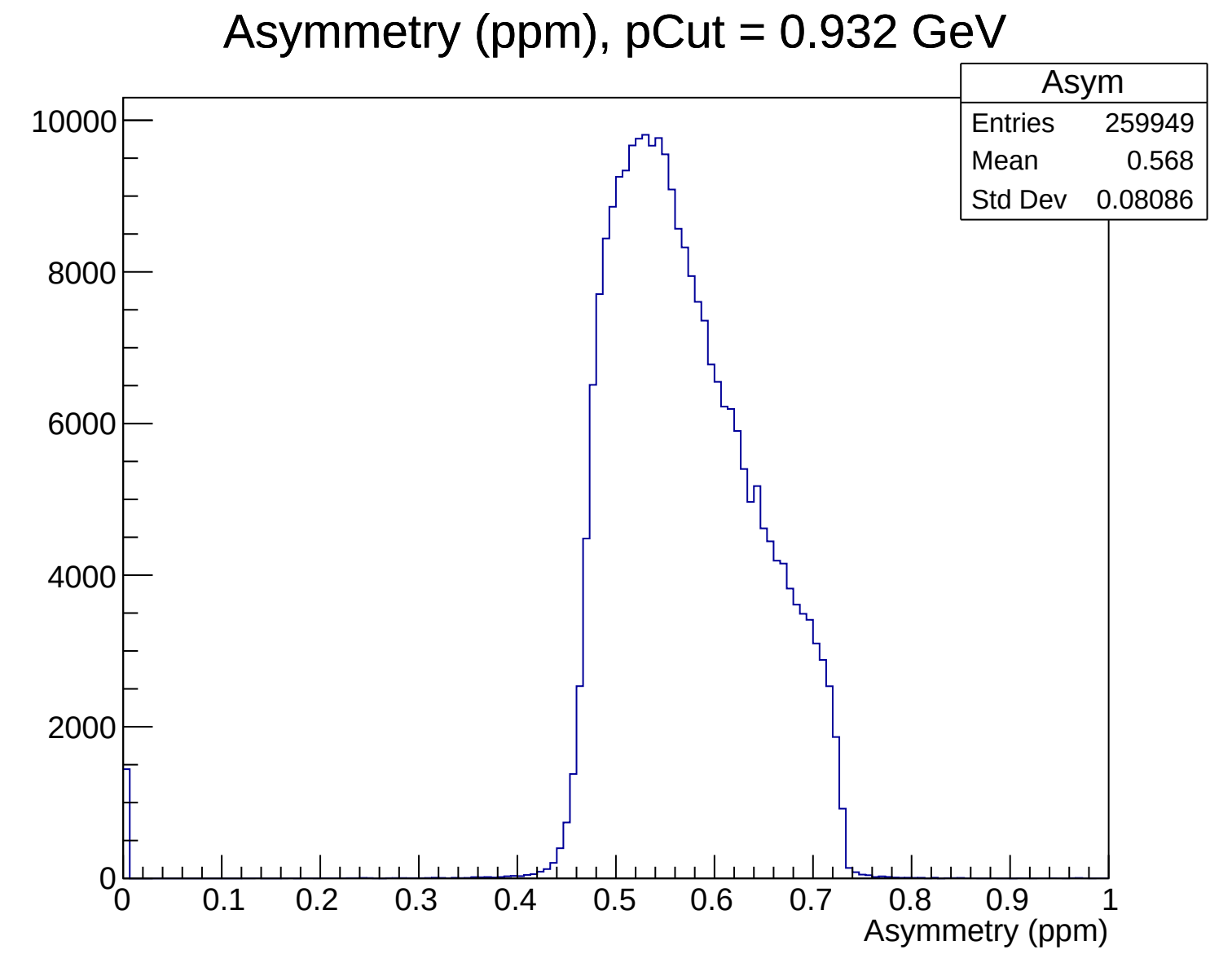

Stretched Asym. (ppm), pCut = 0.931 GeV
SAsym
Entries 264471
Mean 0.5548
Std Dev 0.07709
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

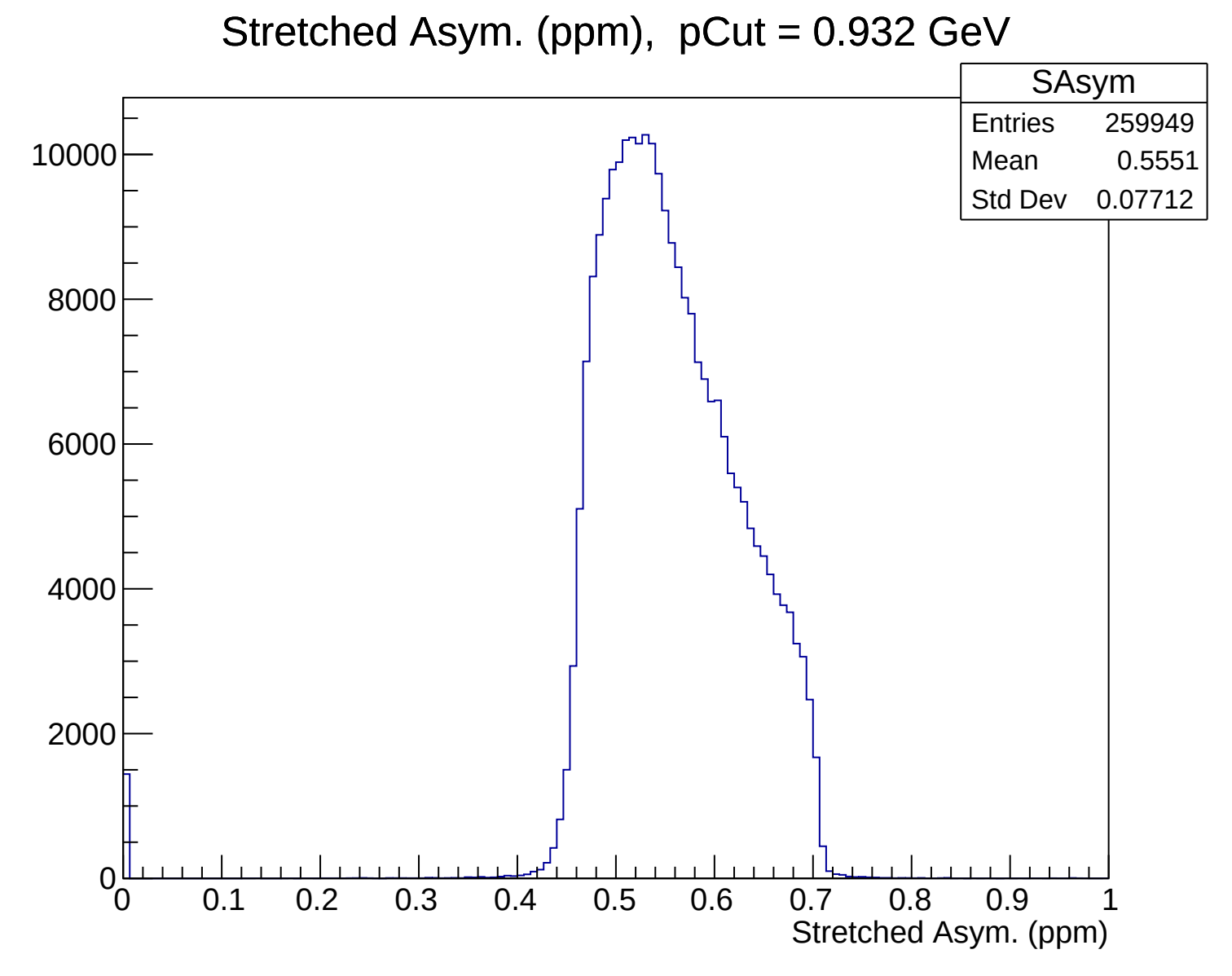

Q^2 (GeV/c)^2, pCut = 0.931 GeV
Q2
Entries 264471
Mean 0.006294
Std Dev 0.001232
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

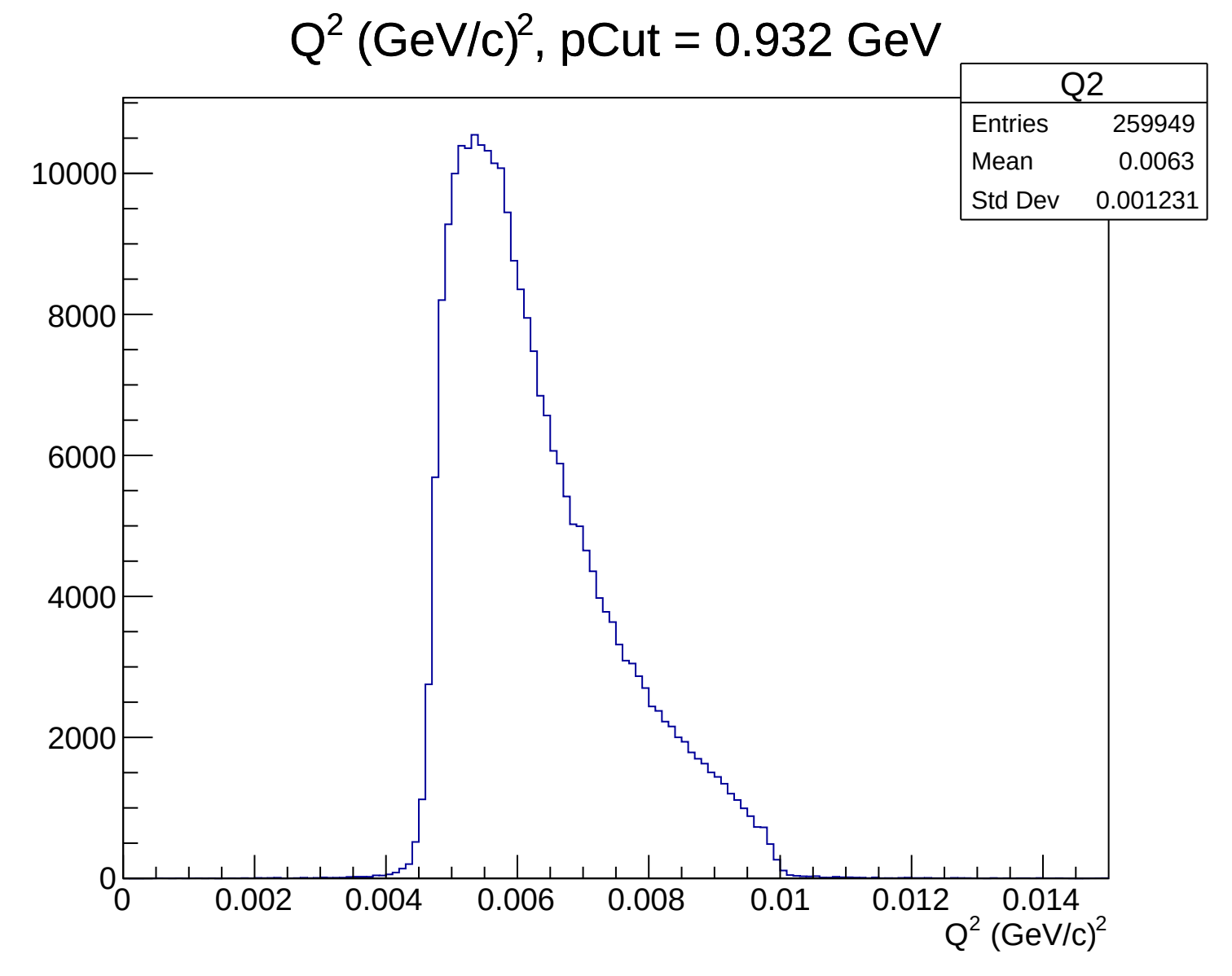

Sensitivity, pCut = 0.931 GeV
sens
Entries 264471
Mean 0.02209
Std Dev 0.00392
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

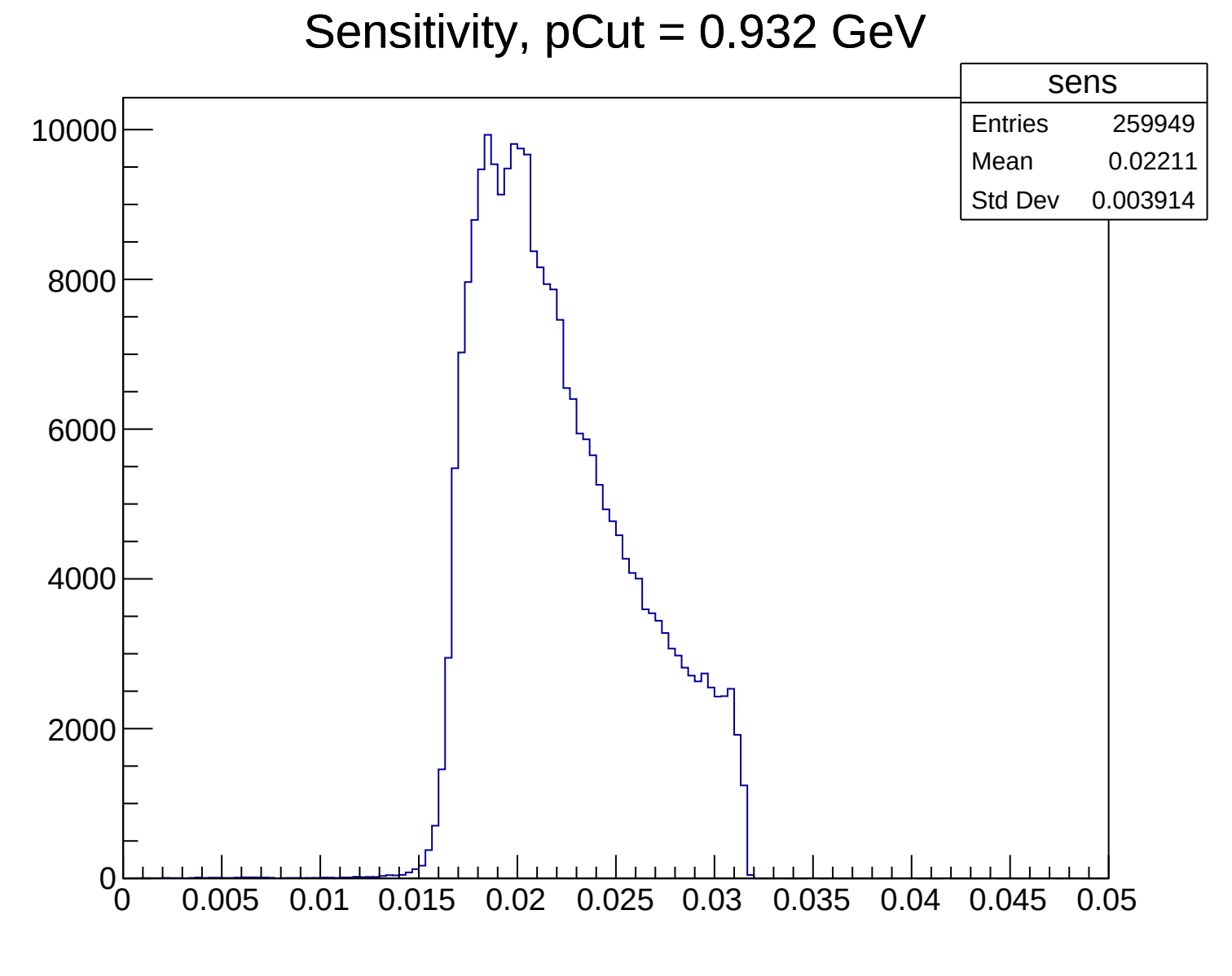

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9320 GeV
R.gold.p (GeV)

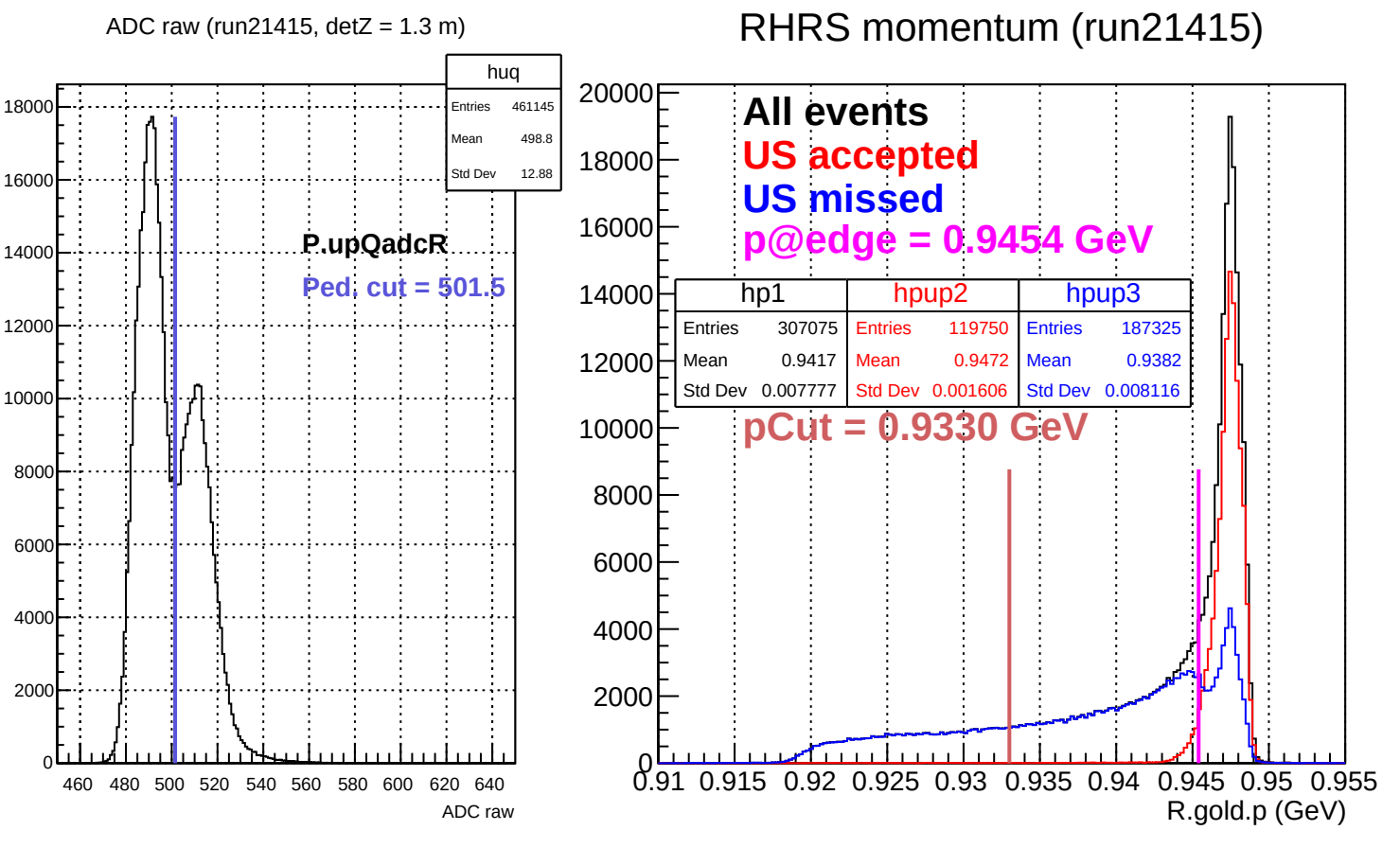

θlab (deg), pCut = 0.932 GeV
Theta
Entries 259949
Mean 4.781
Std Dev 0.4564
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

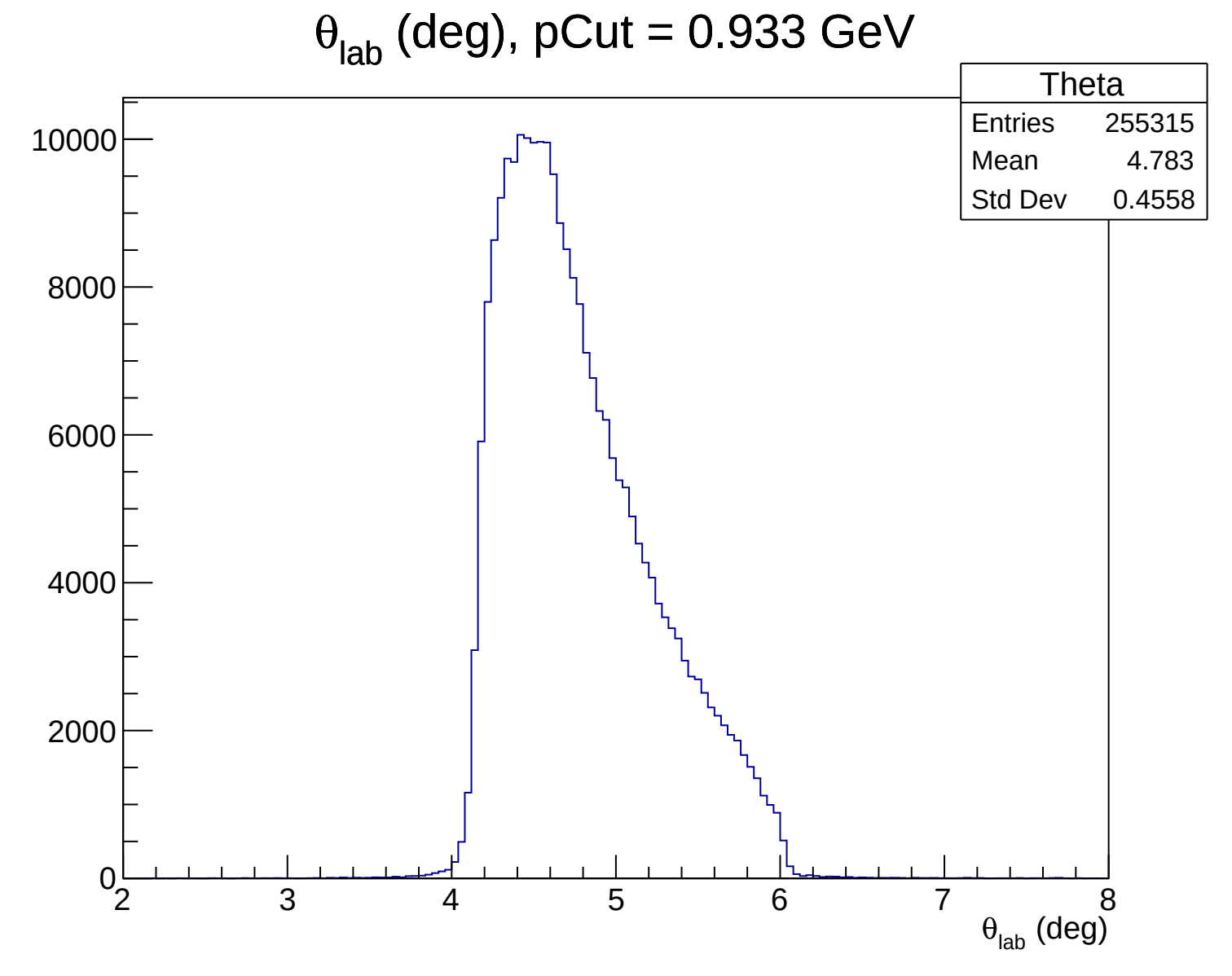

Asymmetry (ppm), pCut = 0.932 GeV
Asym
Entries 259949
Mean 0.568
Std Dev 0.08086
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

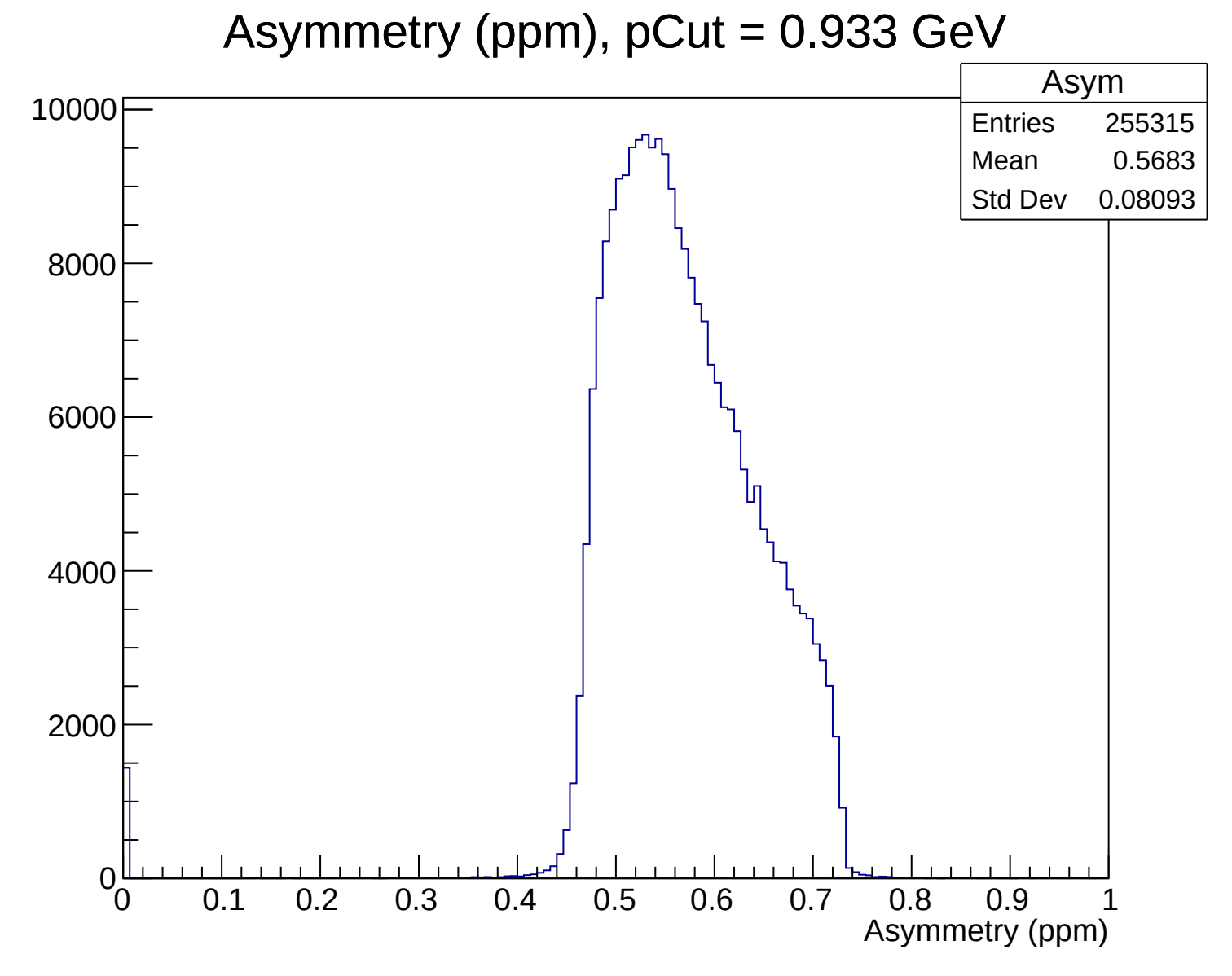

Stretched Asym. (ppm), pCut = 0.932 GeV
SAsym
Entries 259949
Mean 0.5551
Std Dev 0.07712
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

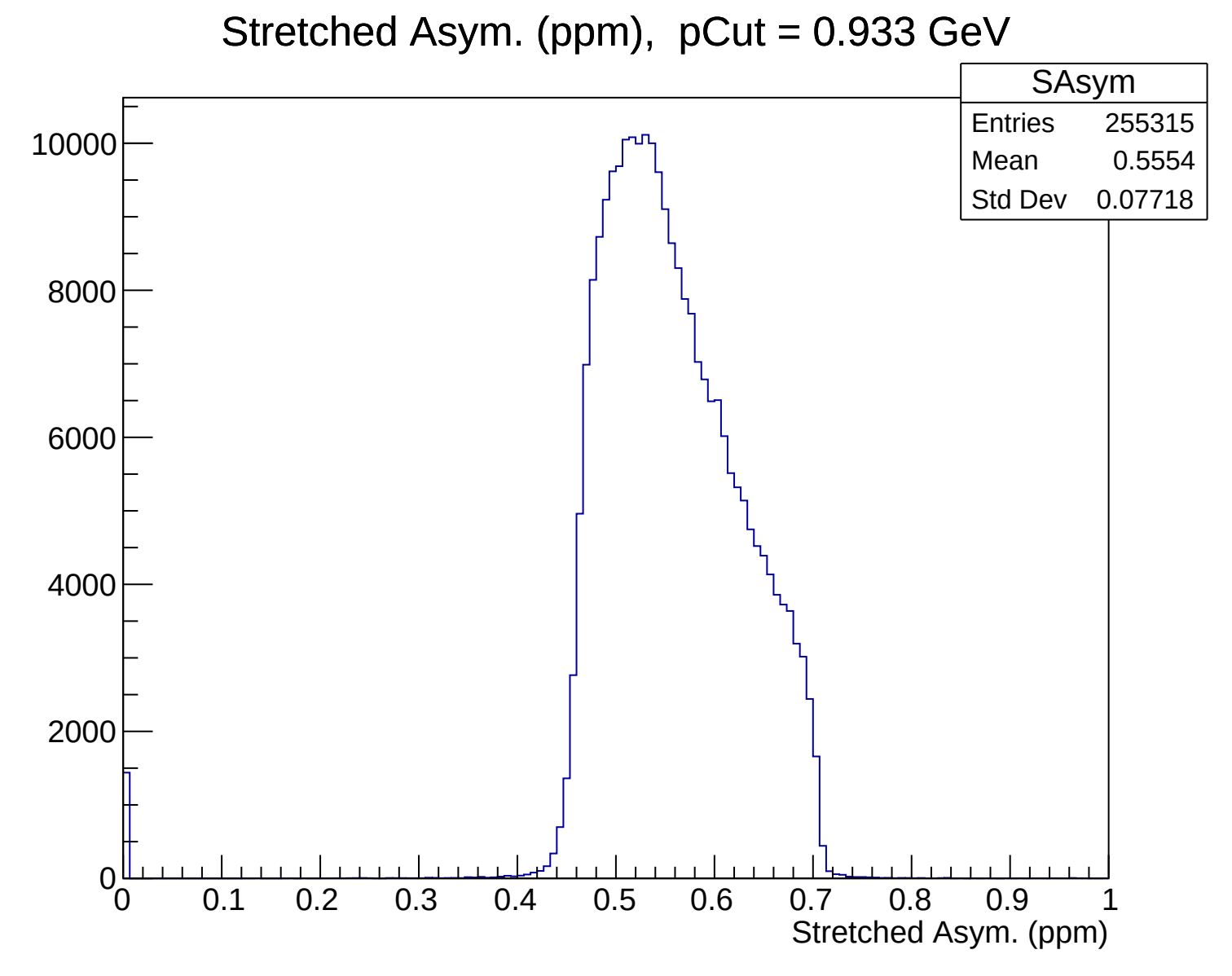

Q^2 (GeV/c)^2, pCut = 0.932 GeV
Q2
Entries 259949
Mean 0.0063
Std Dev 0.001231
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

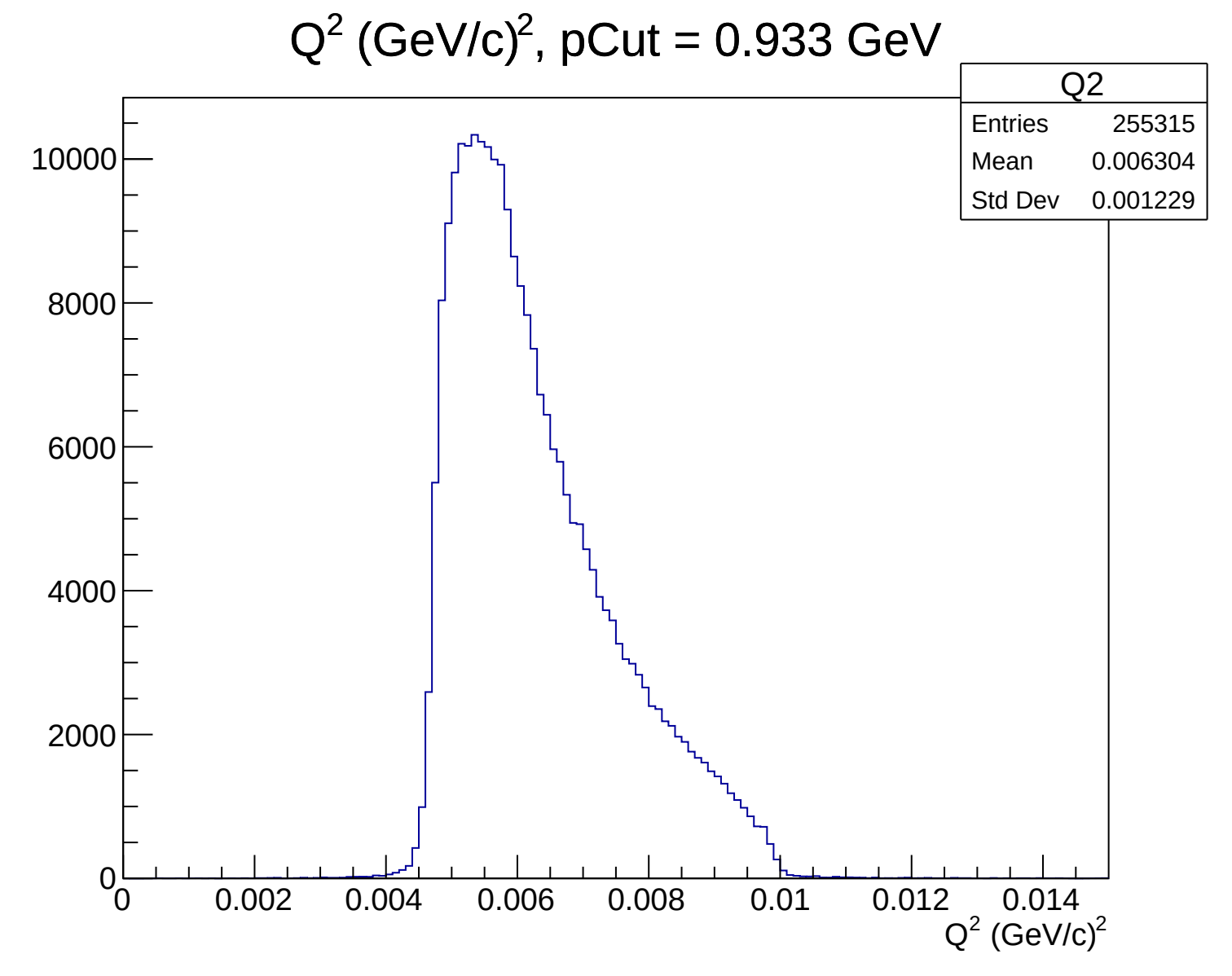

Sensitivity, pCut = 0.932 GeV
sens
Entries 259949
Mean 0.02211
Std Dev 0.003914
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

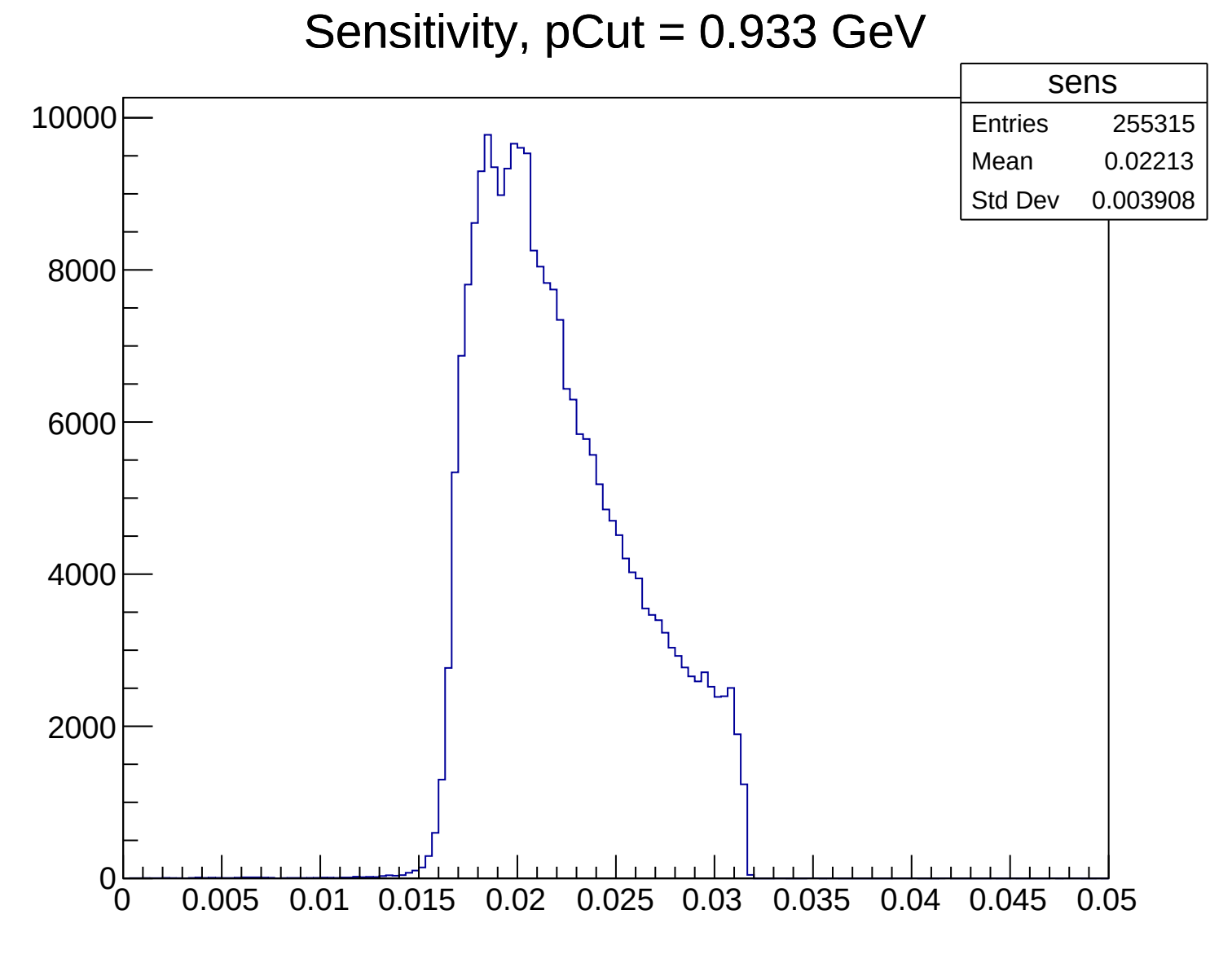

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9330 GeV
R.gold.p (GeV)

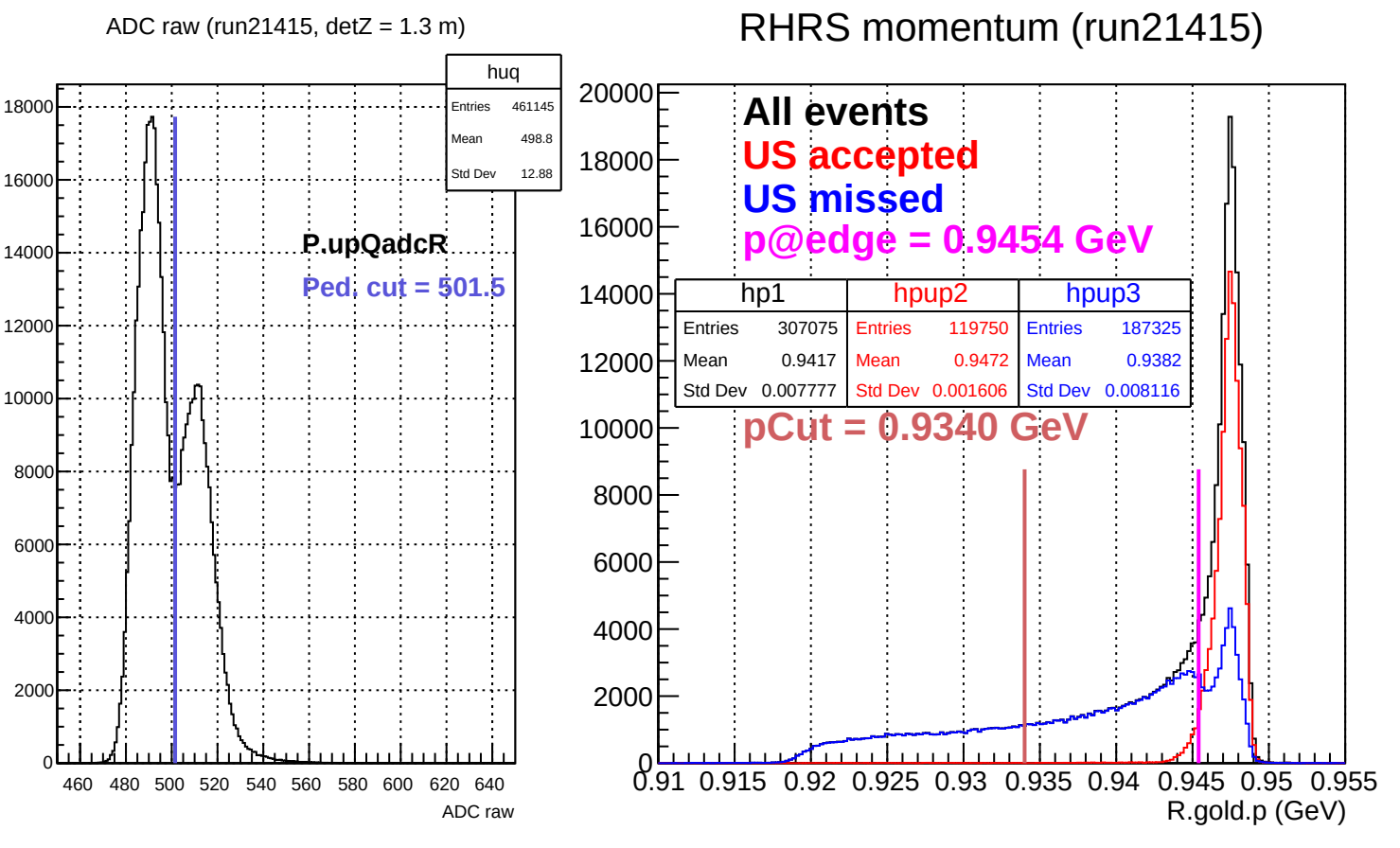

θlab (deg), pCut = 0.933 GeV
Theta
Entries 255315
Mean 4.783
Std Dev 0.4558
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

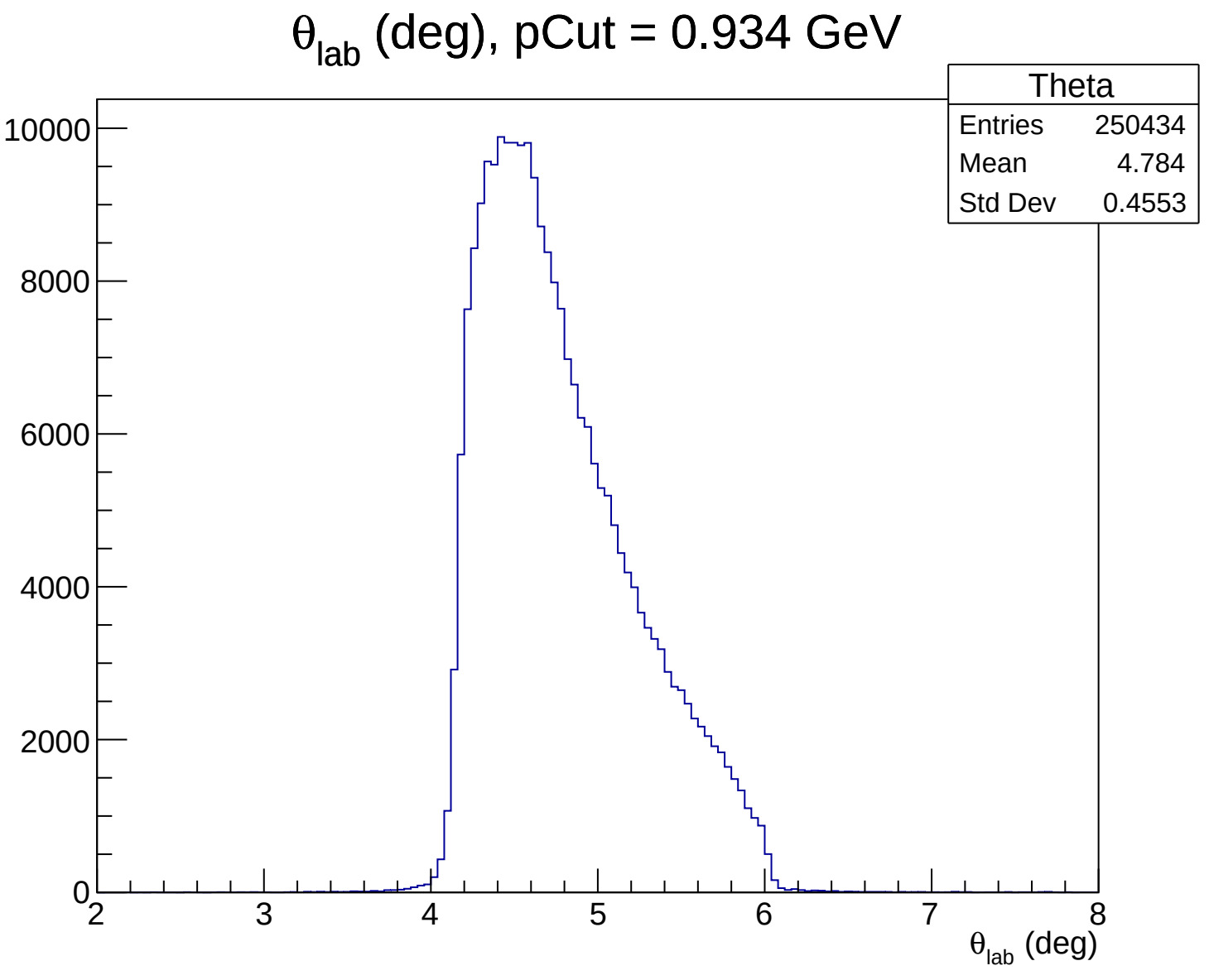

Asymmetry (ppm), pCut = 0.933 GeV
Asym
Entries 255315
Mean 0.5683
Std Dev 0.08093
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

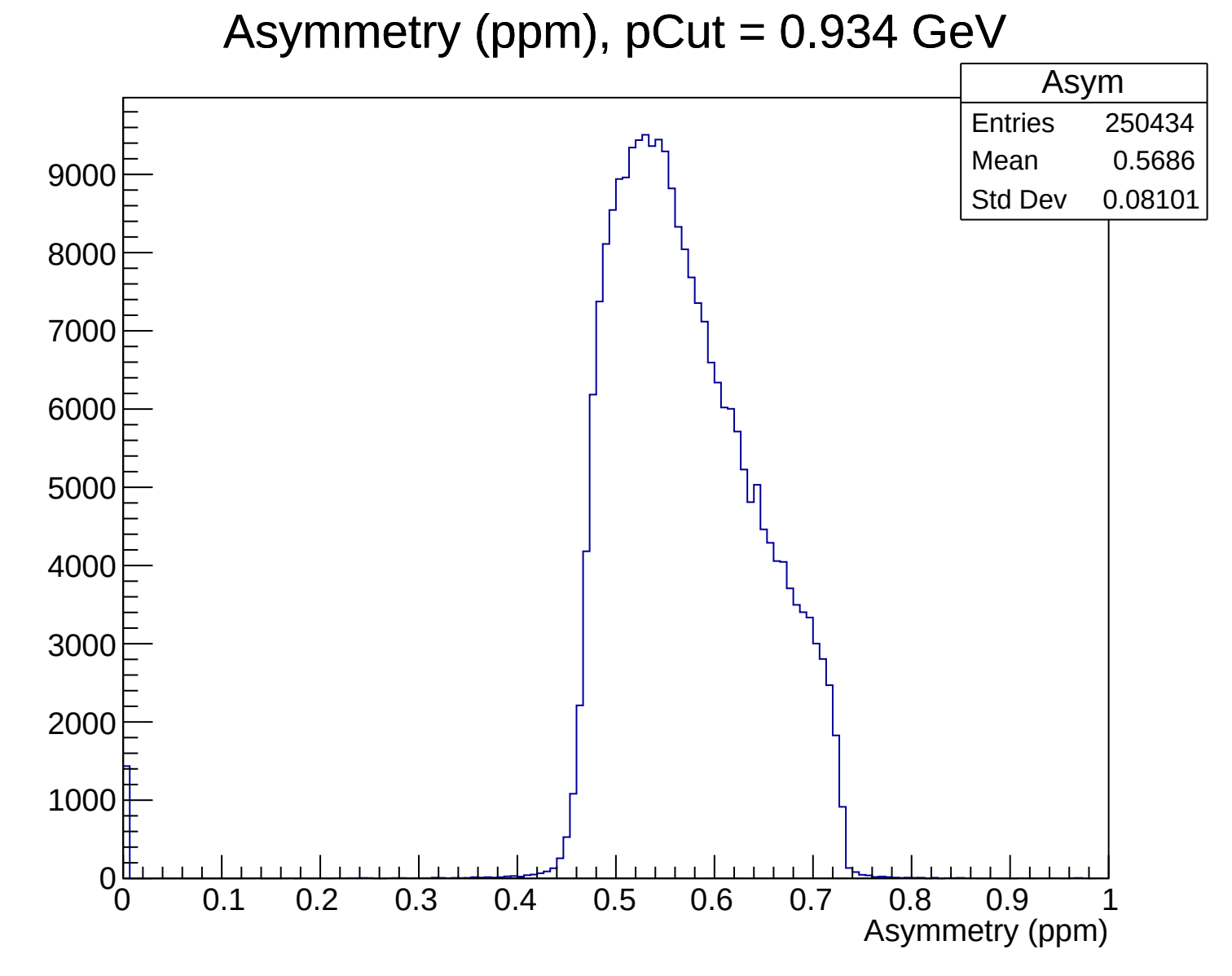

Stretched Asym. (ppm), pCut = 0.933 GeV
SAsym
Entries 255315
Mean 0.5554
Std Dev 0.07718
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

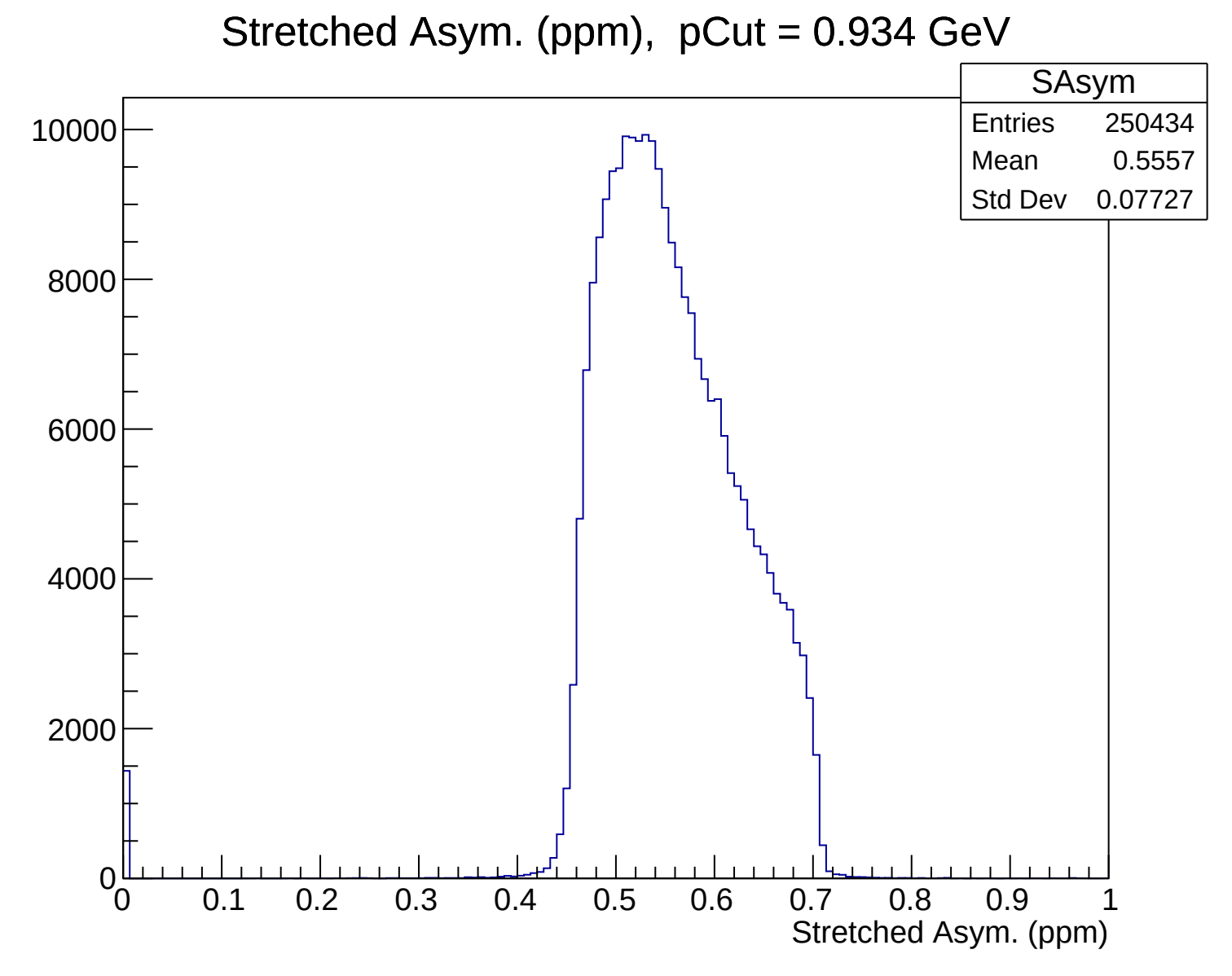

Q^2 (GeV/c)^2, pCut = 0.933 GeV
Q2
Entries 255315
Mean 0.006304
Std Dev 0.001229
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

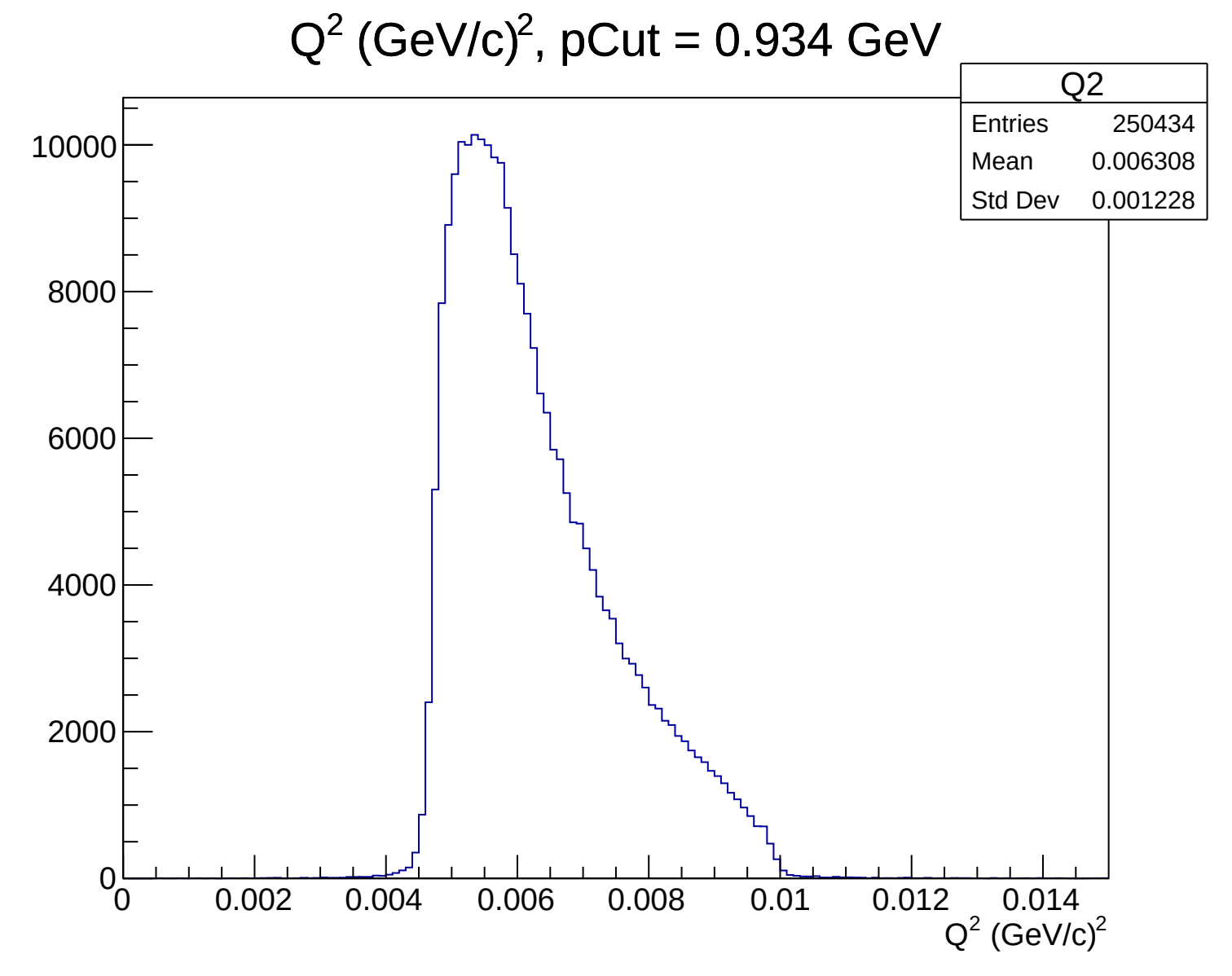

Sensitivity, pCut = 0.933 GeV
sens
Entries 255315
Mean 0.02213
Std Dev 0.003908
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

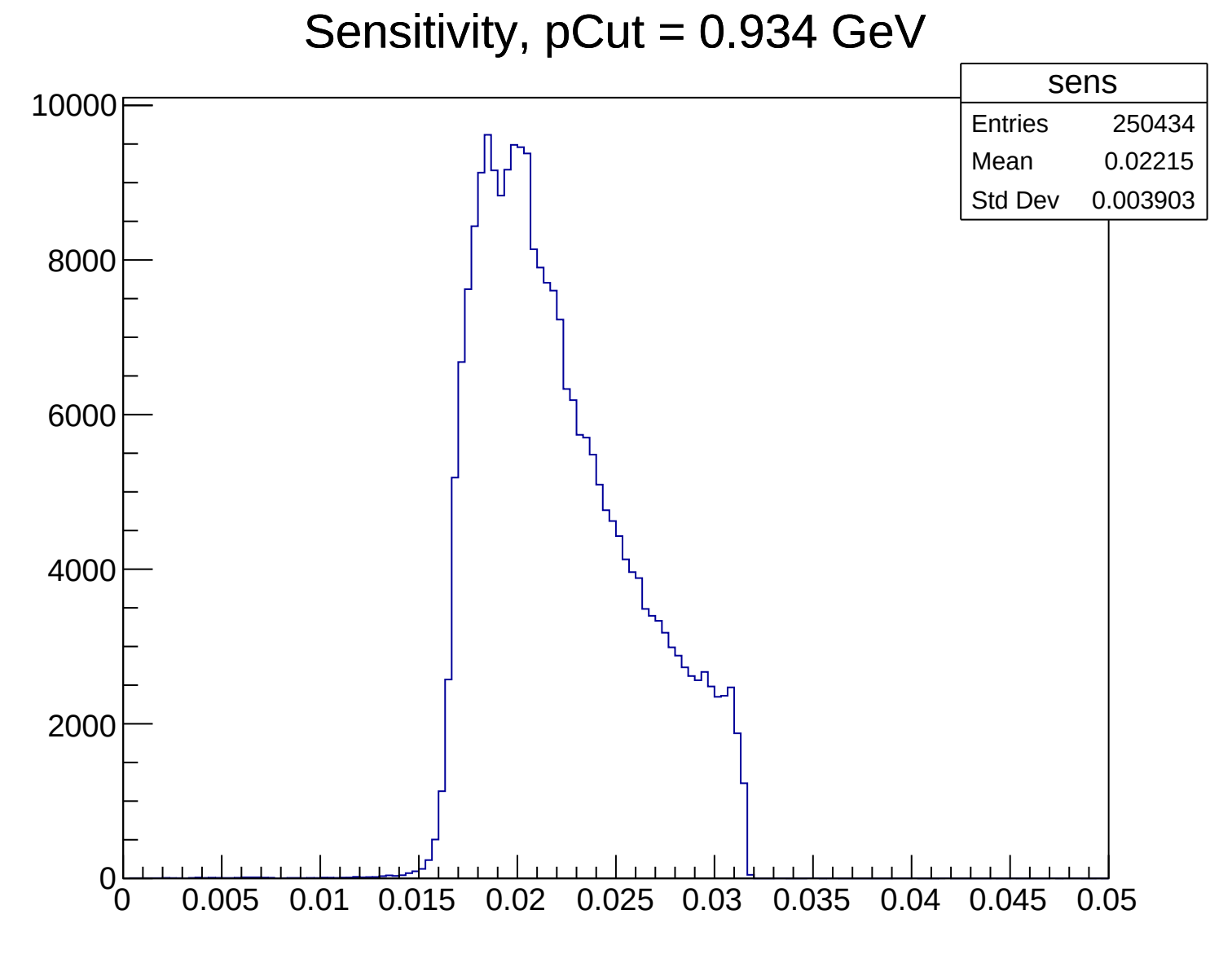

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9340 GeV
R.gold.p (GeV)

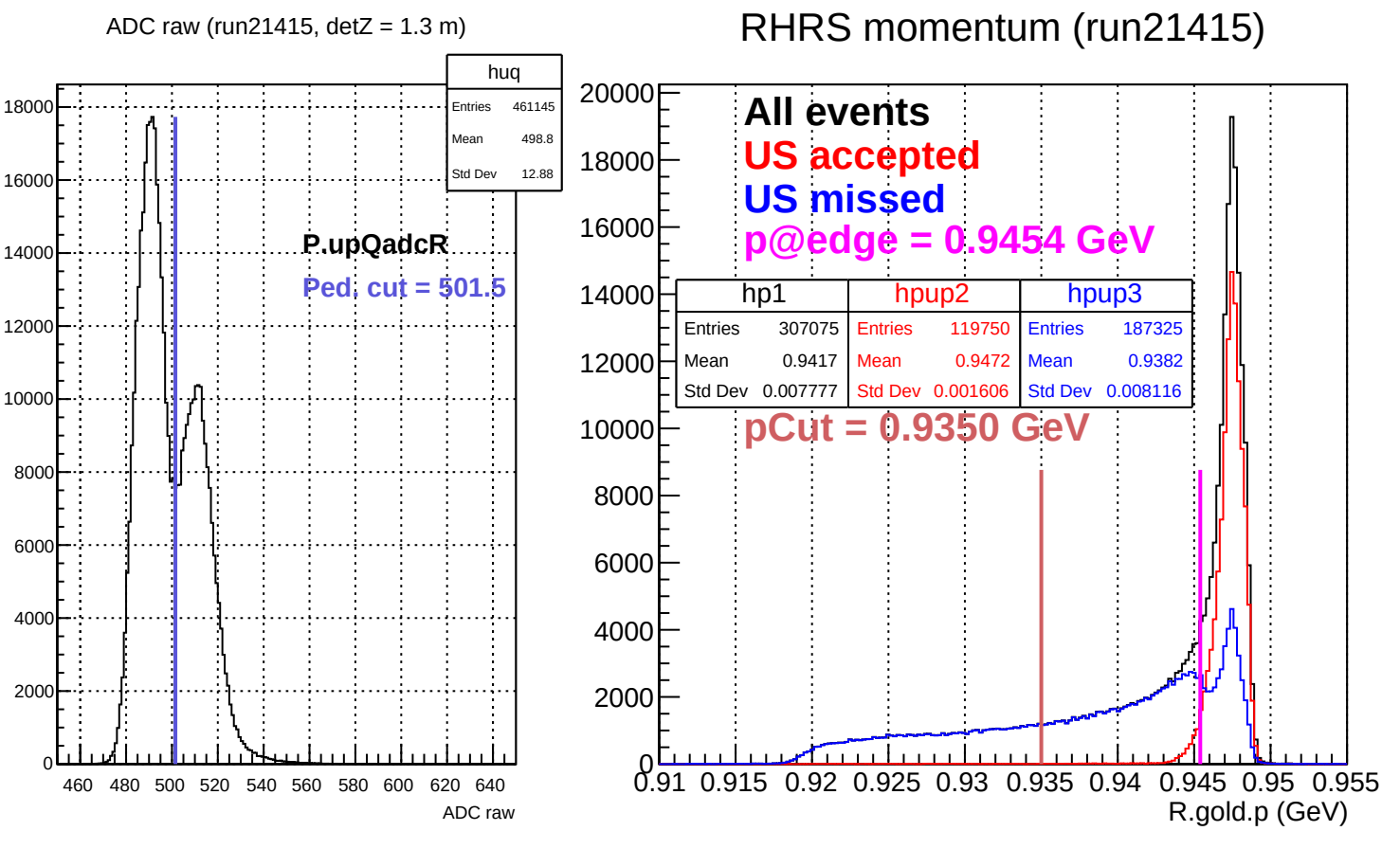

θlab (deg), pCut = 0.934 GeV
Theta
Entries 250434
Mean 4.784
Std Dev 0.4553
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

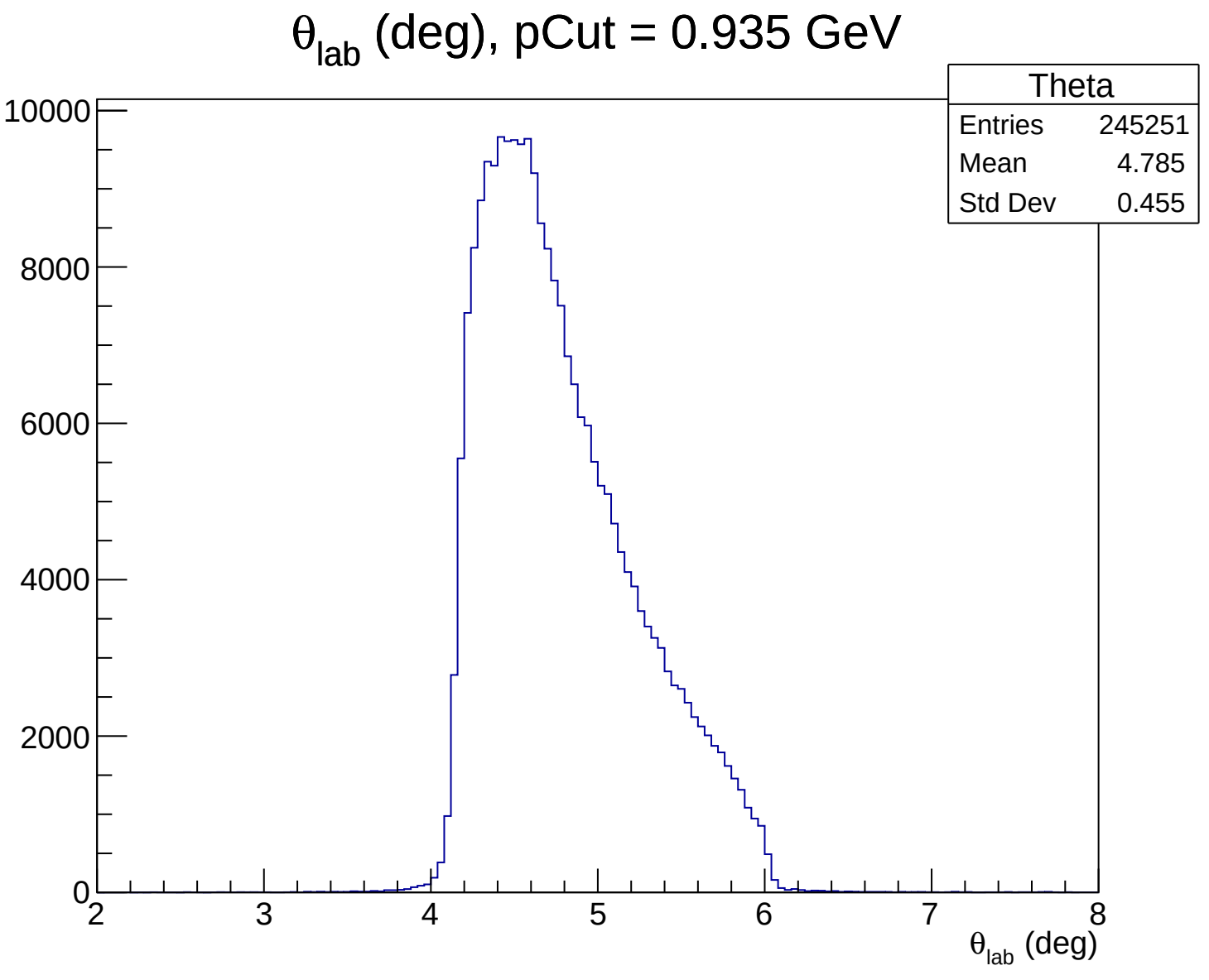

Asymmetry (ppm), pCut = 0.934 GeV
Asym
Entries 250434
Mean 0.5686
Std Dev 0.08101
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

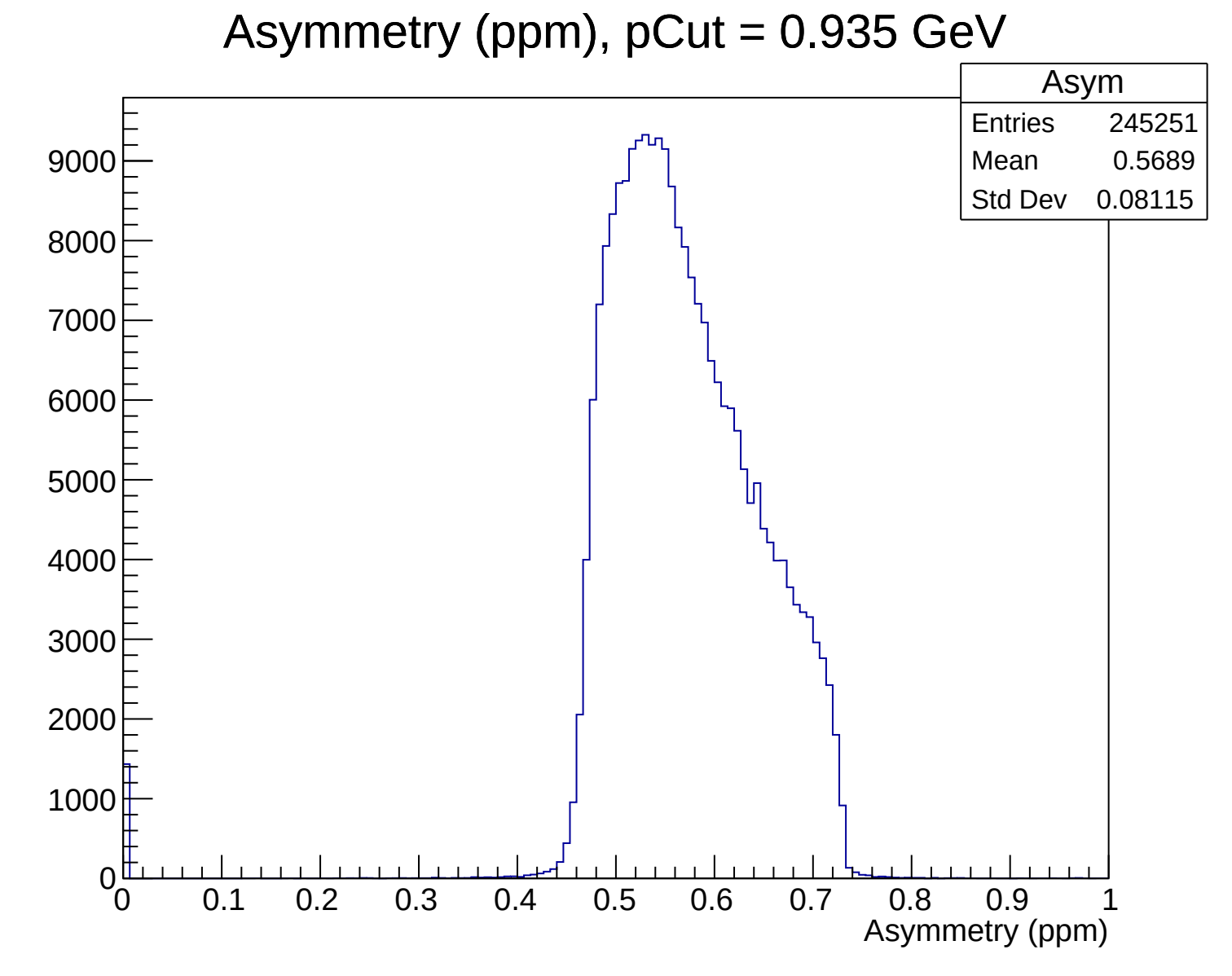

Stretched Asym. (ppm), pCut = 0.934 GeV
SAsym
Entries 250434
Mean 0.5557
Std Dev 0.07727
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

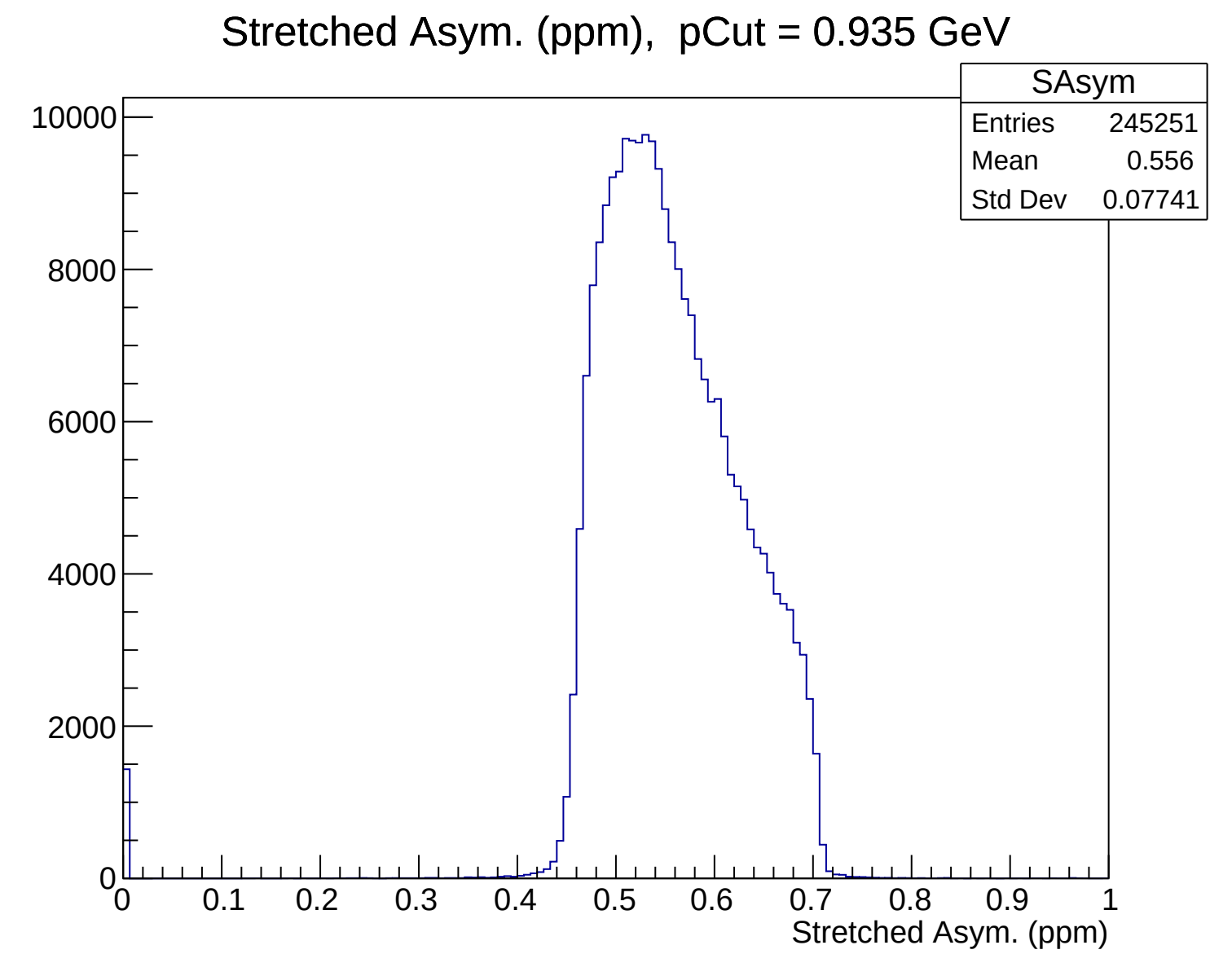

Q^2 (GeV/c)^2, pCut = 0.934 GeV
Q2
Entries 250434
Mean 0.006308
Std Dev 0.001228
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

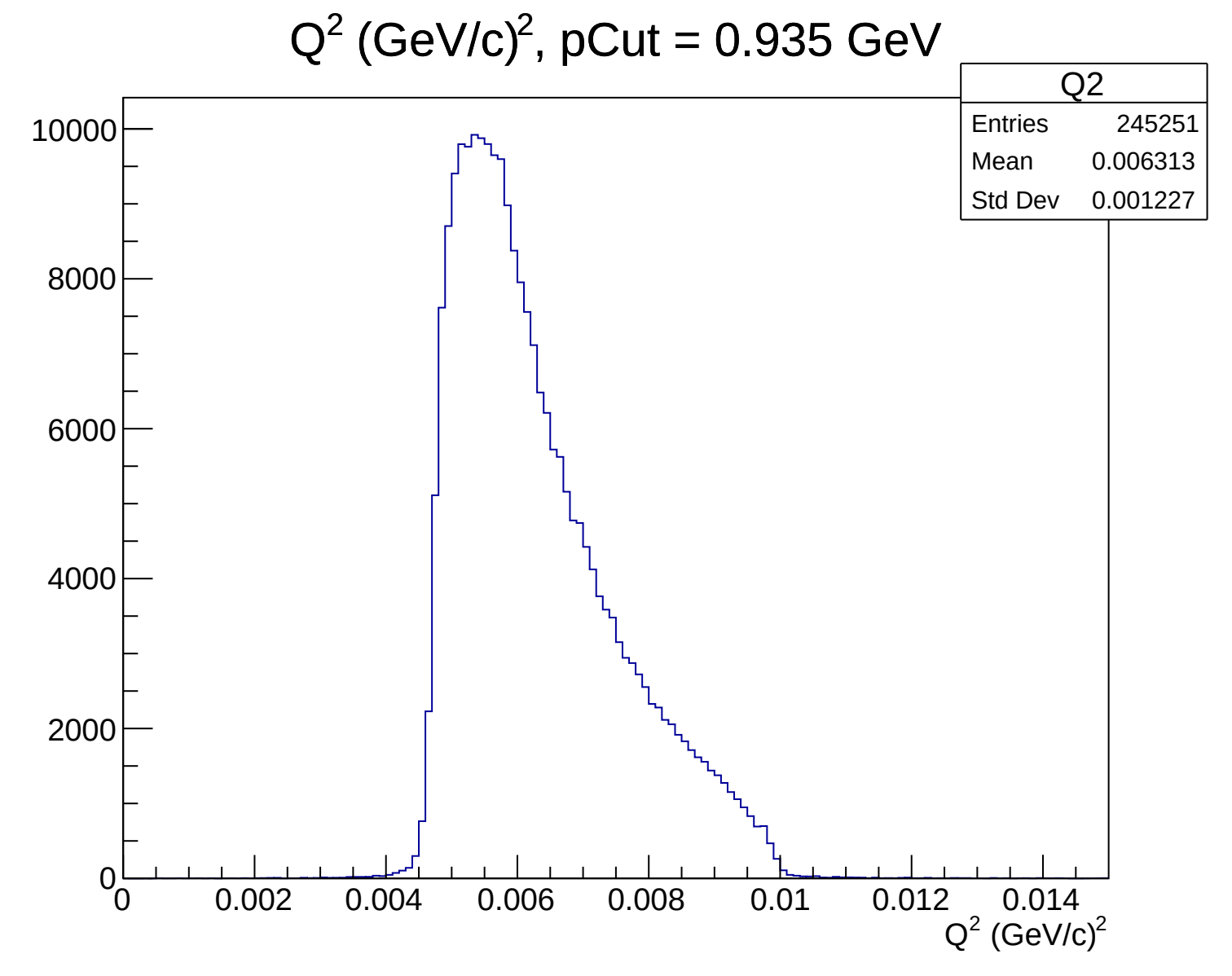

Sensitivity, pCut = 0.934 GeV
sens
Entries 250434
Mean 0.02215
Std Dev 0.003903
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

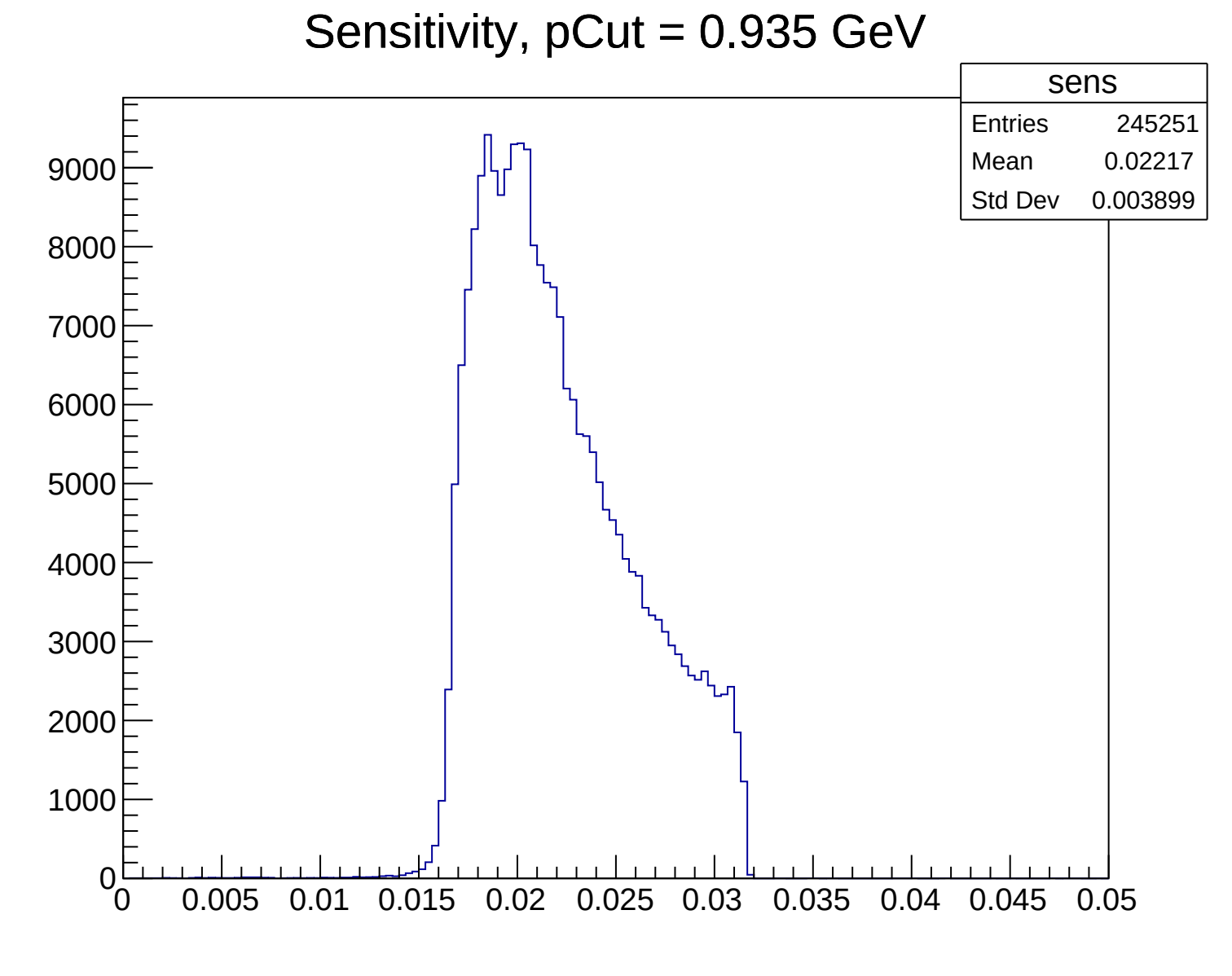

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9350 GeV
R.gold.p (GeV)

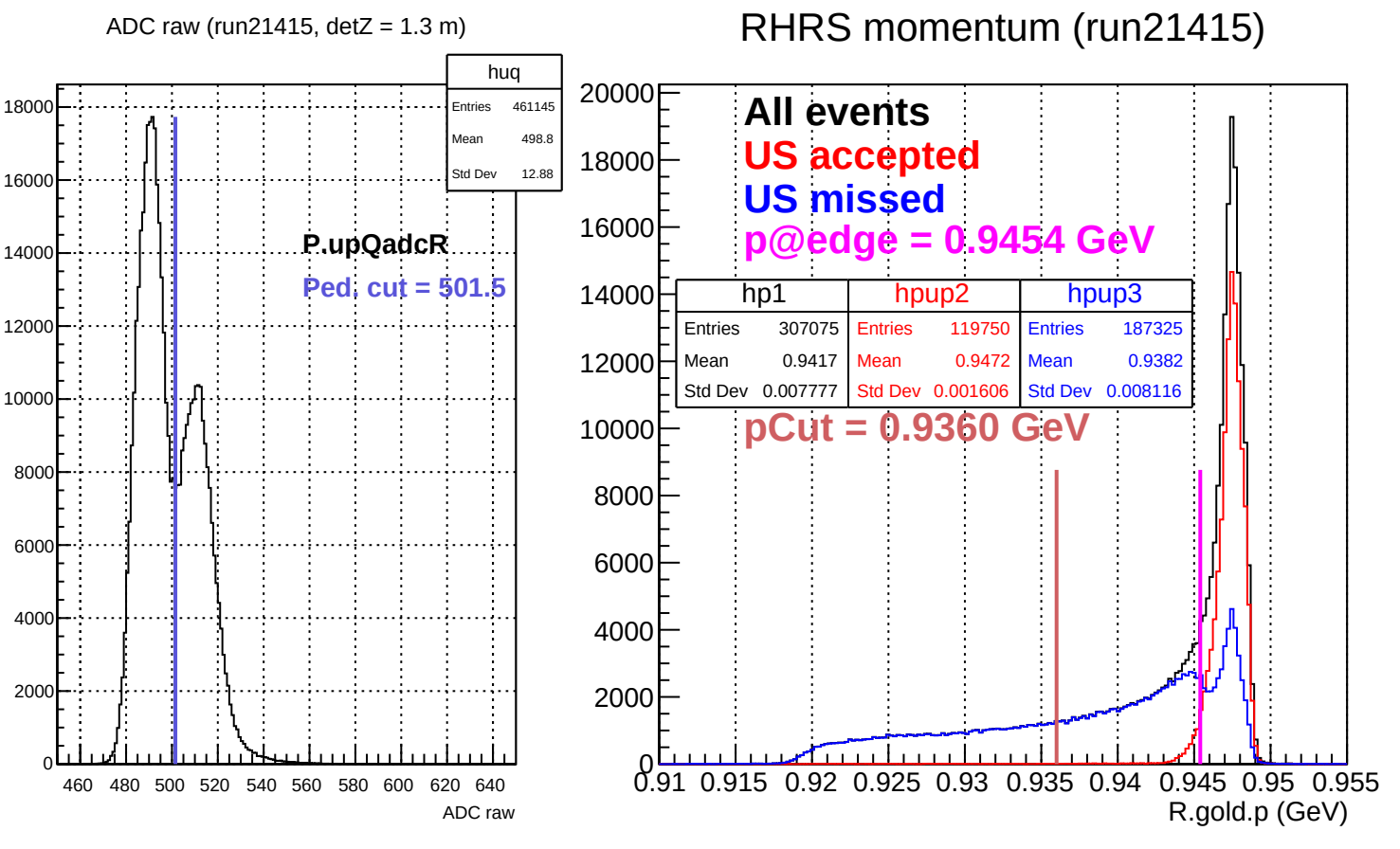

θlab (deg), pCut = 0.935 GeV
Theta
Entries 245251
Mean 4.785
Std Dev 0.455
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

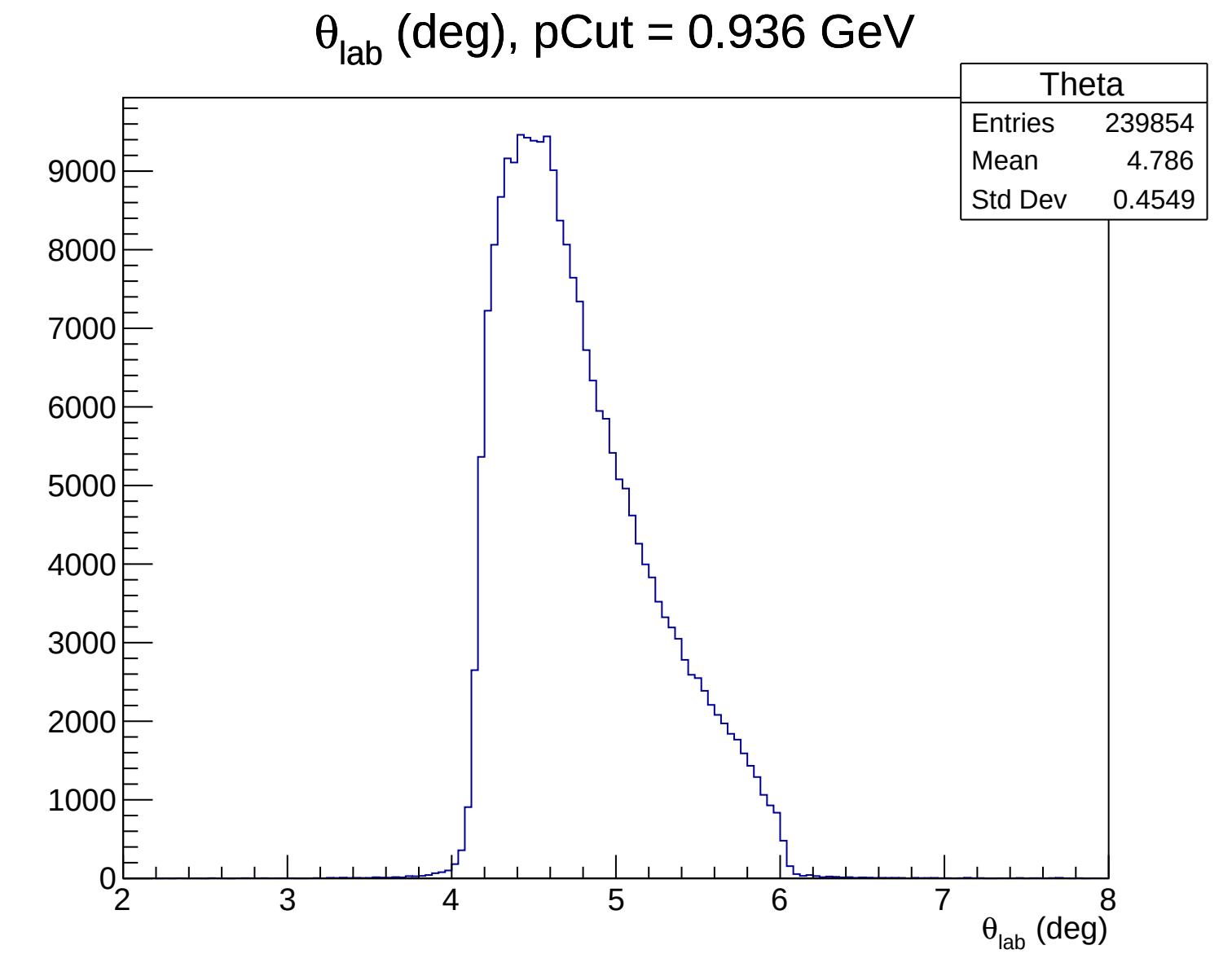

Asymmetry (ppm), pCut = 0.935 GeV
Asym
Entries 245251
Mean 0.5689
Std Dev 0.08115
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

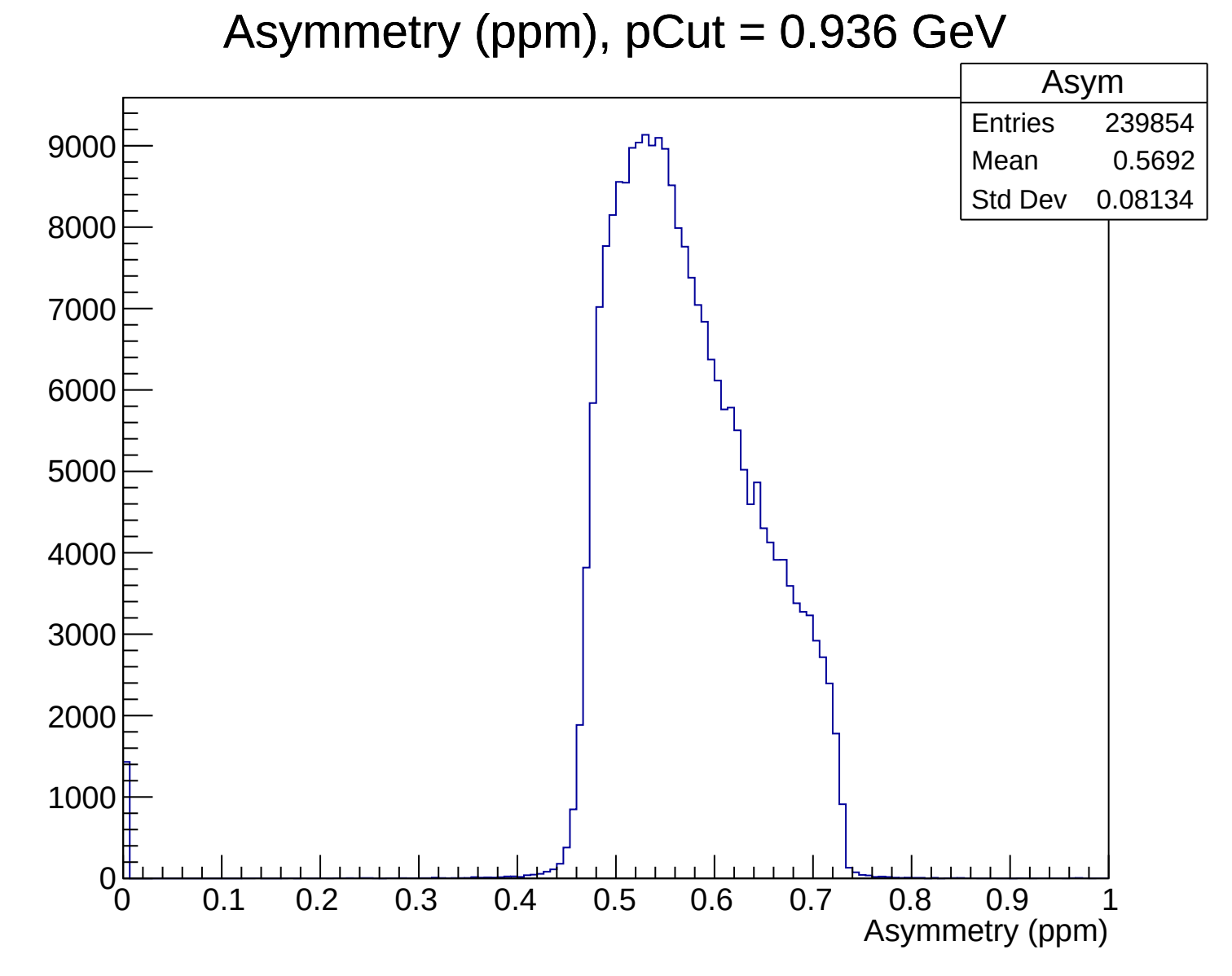

Stretched Asym. (ppm), pCut = 0.935 GeV
SAsym
Entries 245251
Mean 0.556
Std Dev 0.07741
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

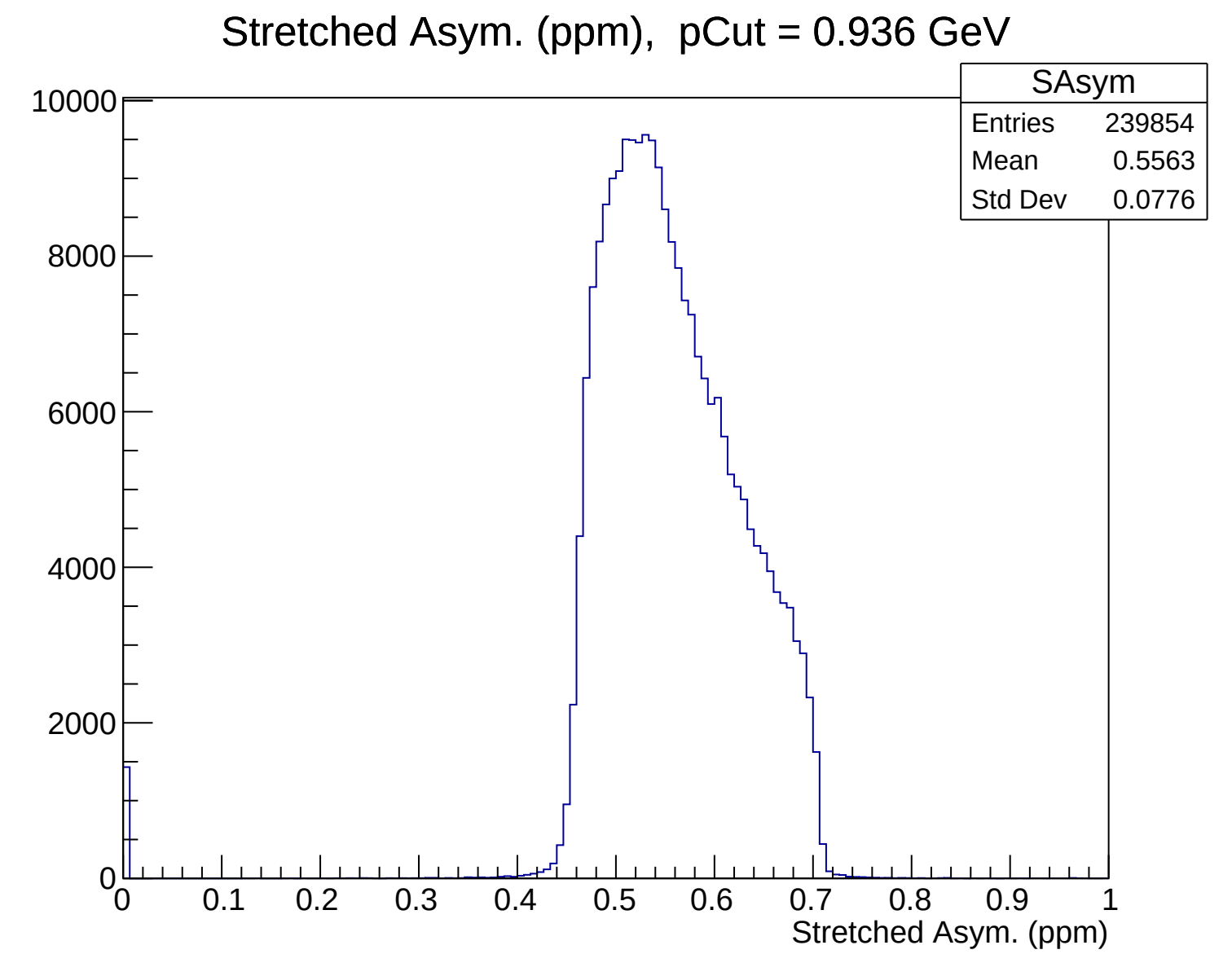

Q^2 (GeV/c)^2, pCut = 0.935 GeV
Q2
Entries 245251
Mean 0.006313
Std Dev 0.001227
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

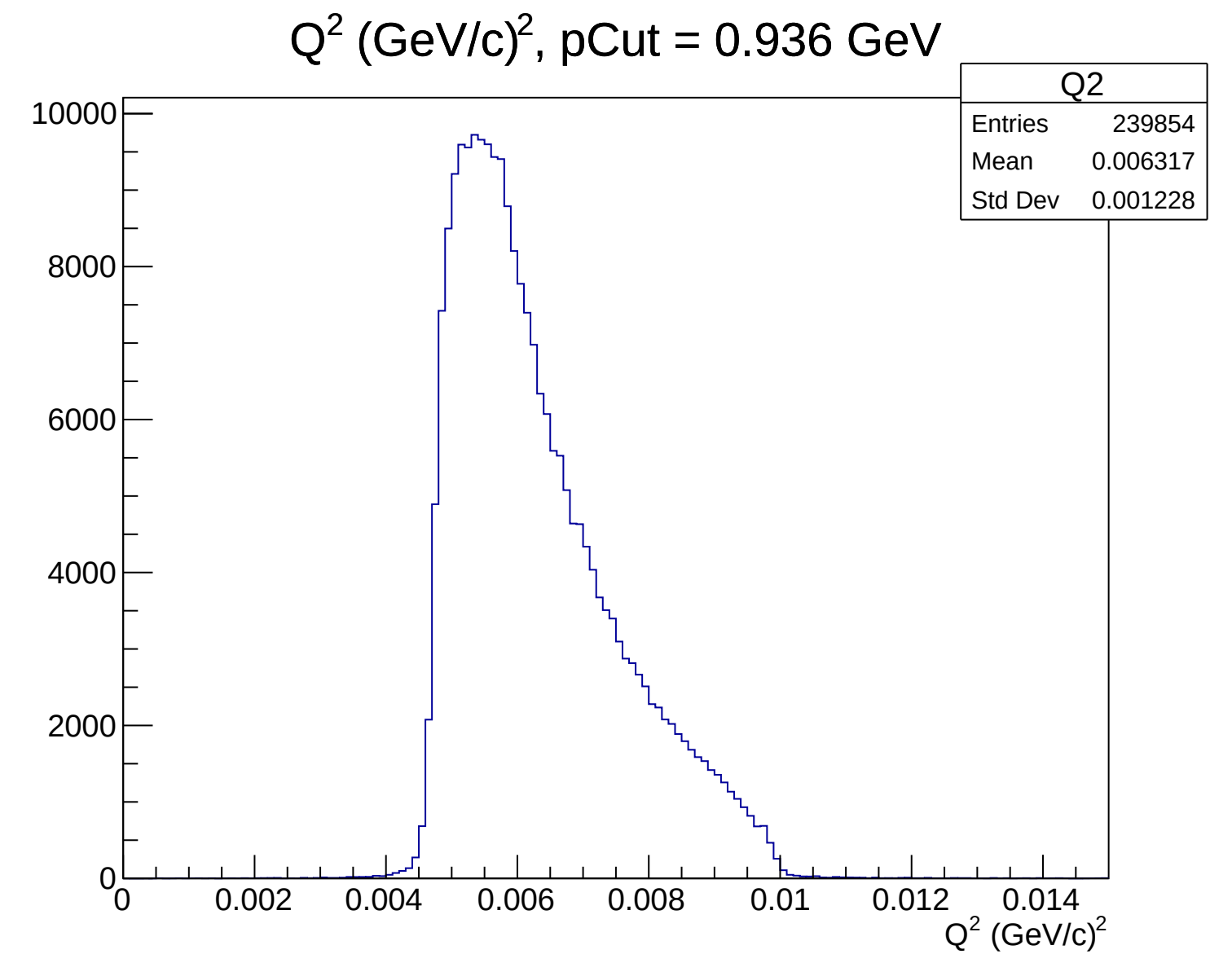

Sensitivity, pCut = 0.935 GeV
sens
Entries 245251
Mean 0.02217
Std Dev 0.003899
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

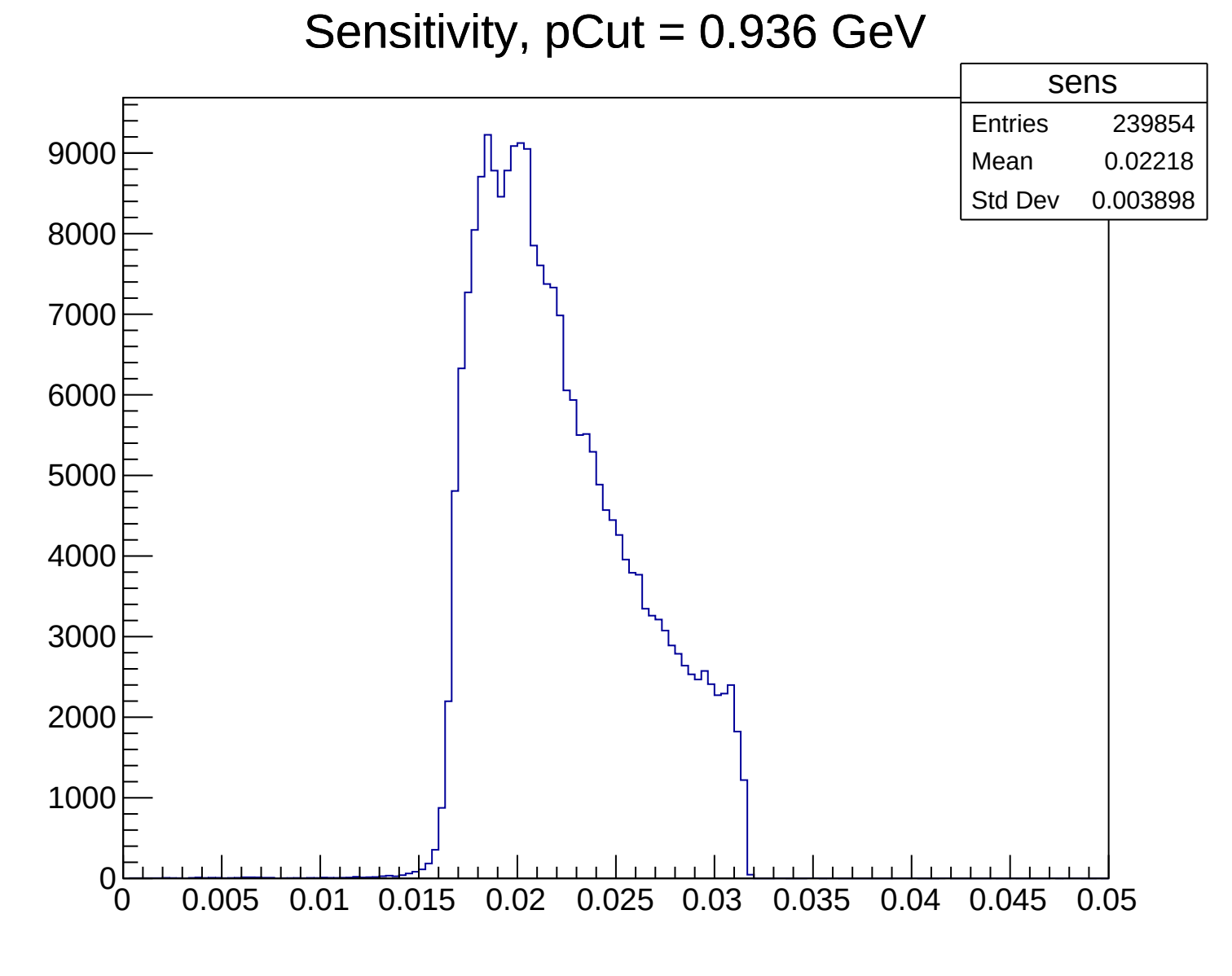

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9360 GeV
R.gold.p (GeV)


θlab (deg), pCut = 0.936 GeV
Theta
Entries 239854
Mean 4.786
Std Dev 0.4549
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

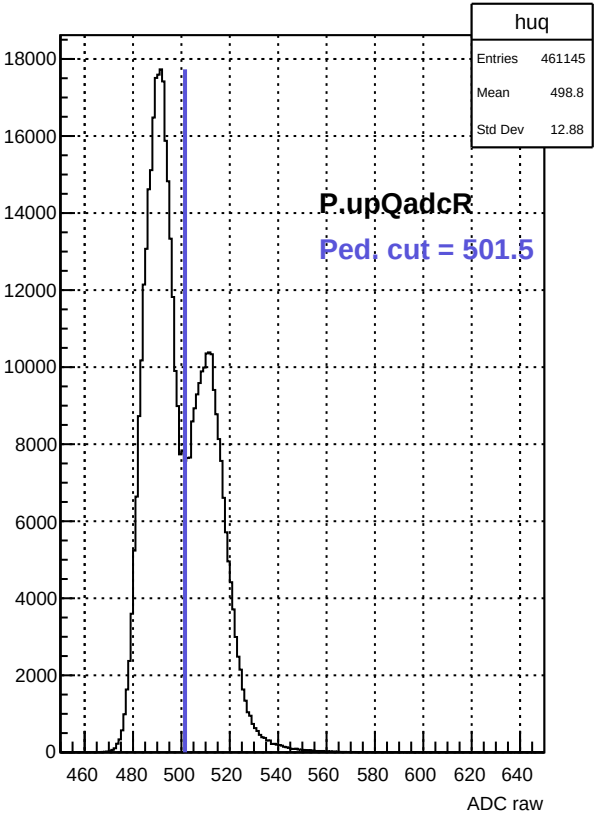

Asymmetry (ppm), pCut = 0.936 GeV
Asym
Entries 239854
Mean 0.5692
Std Dev 0.08134
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.936 GeV
SAsym
Entries 239854
Mean 0.5563
Std Dev 0.0776
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)

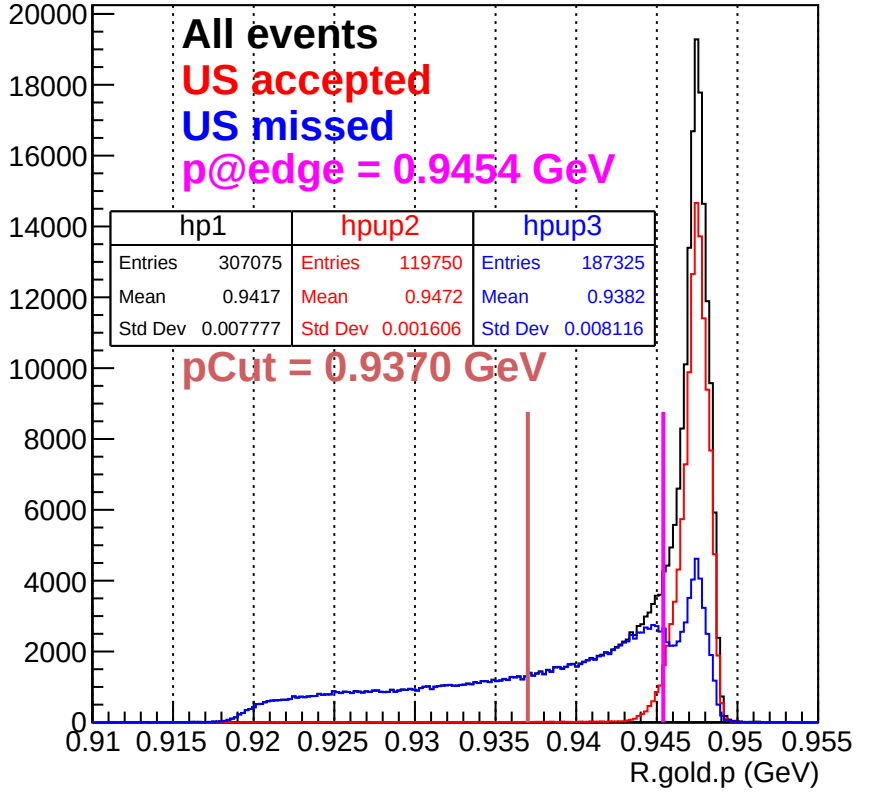

Q^2 (GeV/c)^2, pCut = 0.936 GeV
Q2
Entries 239854
Mean 0.006317
Std Dev 0.001228
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

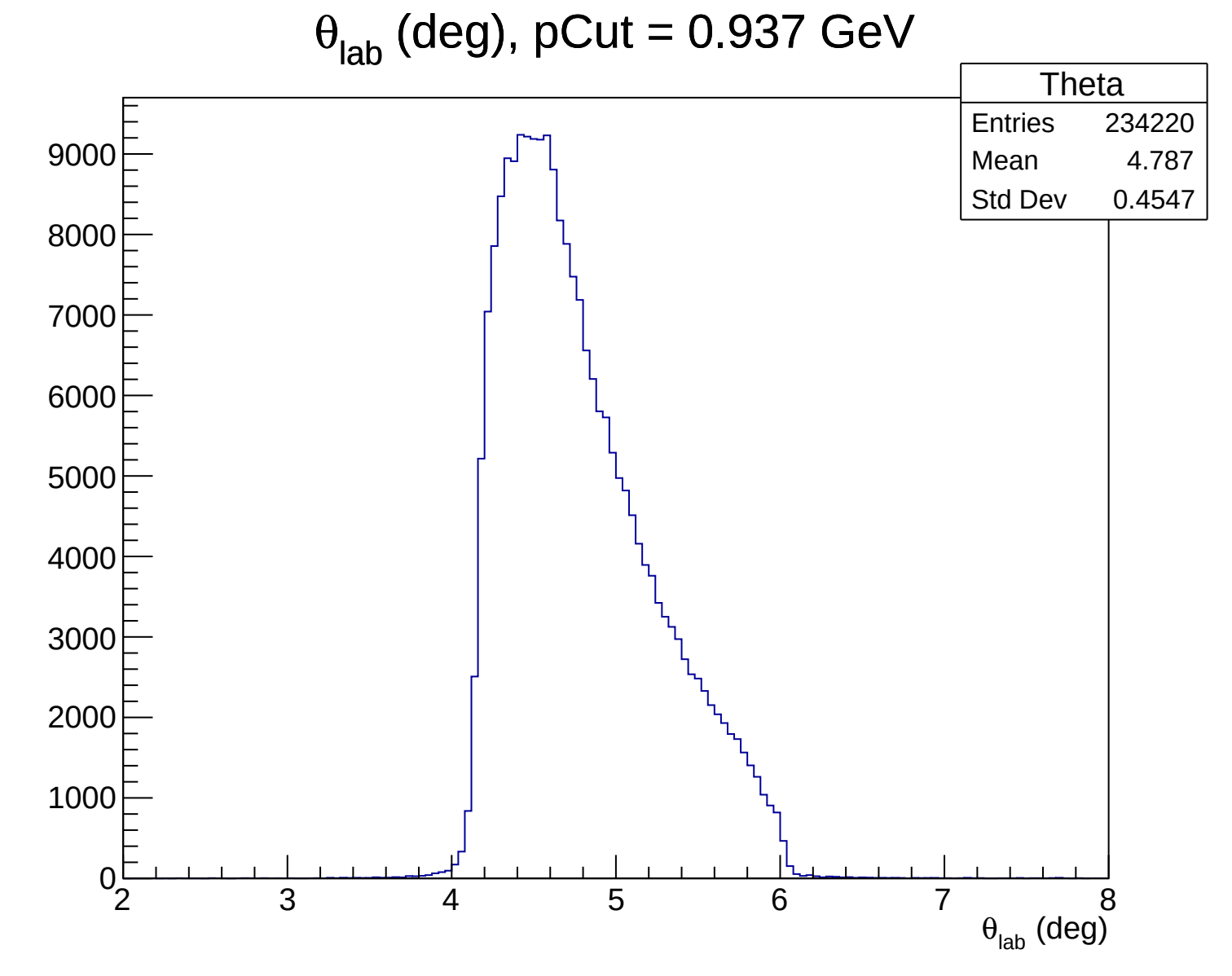

Sensitivity, pCut = 0.936 GeV
sens
Entries 239854
Mean 0.02218
Std Dev 0.003898
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

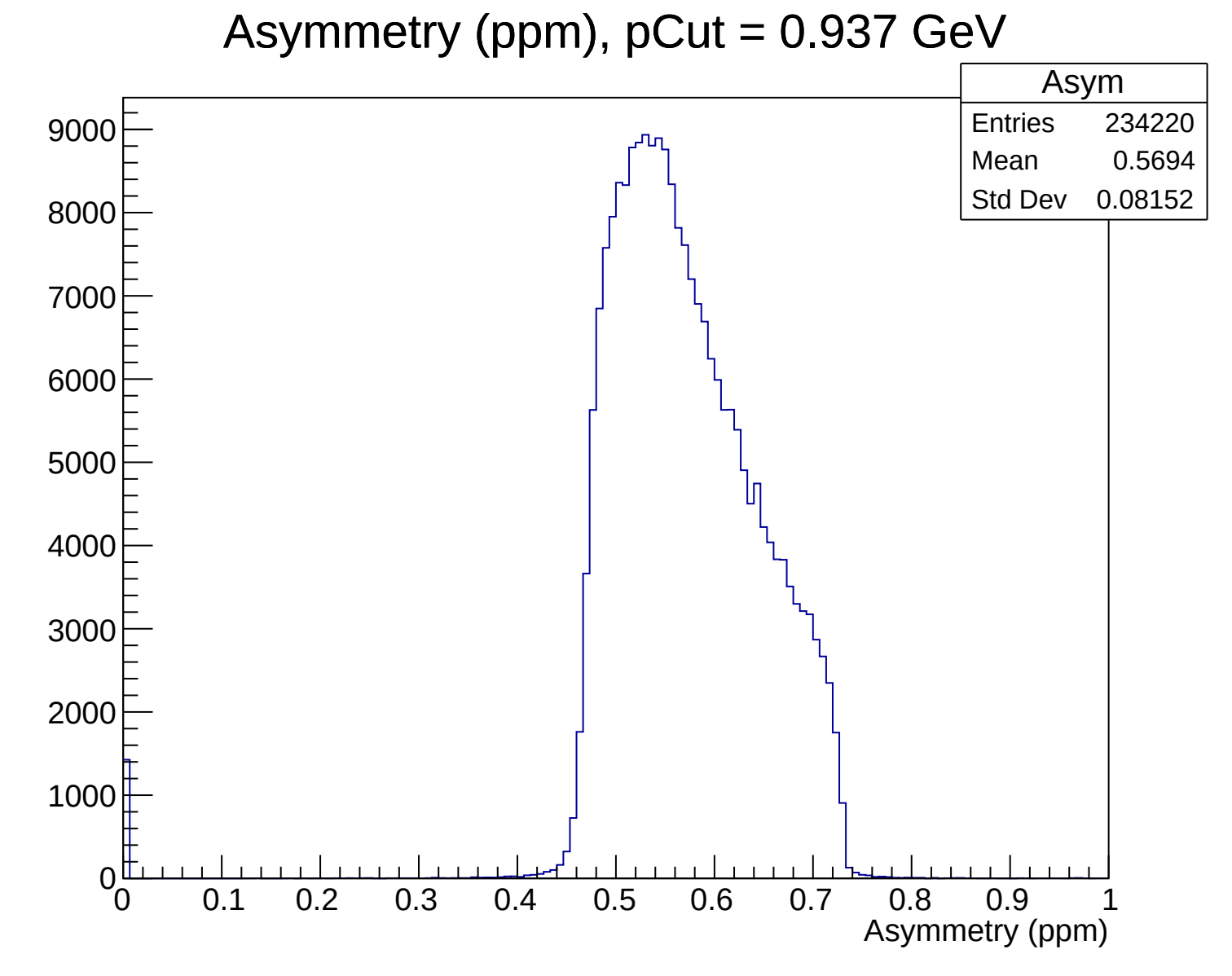
ADC raw (run21415, detZ = 1.3 m)

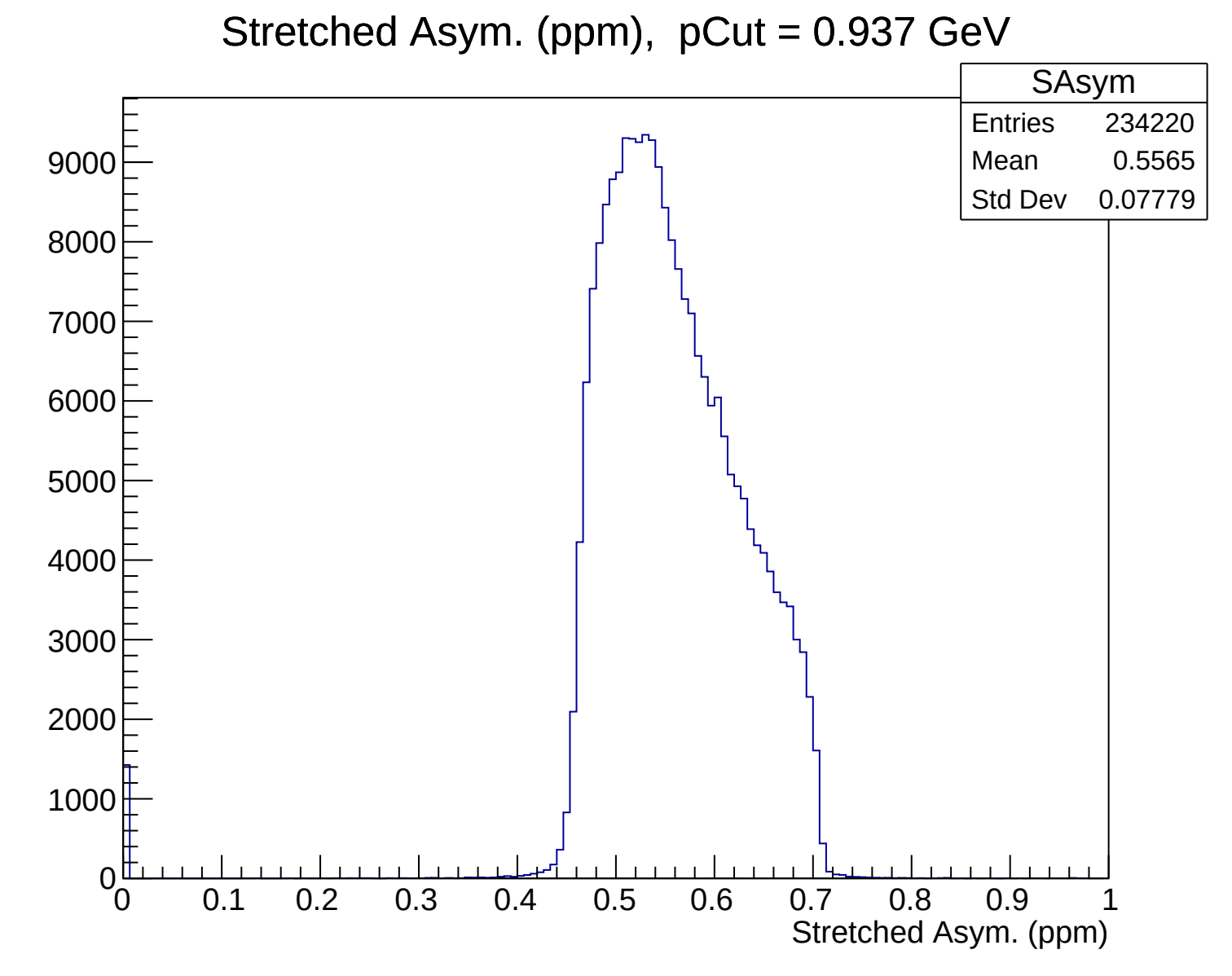


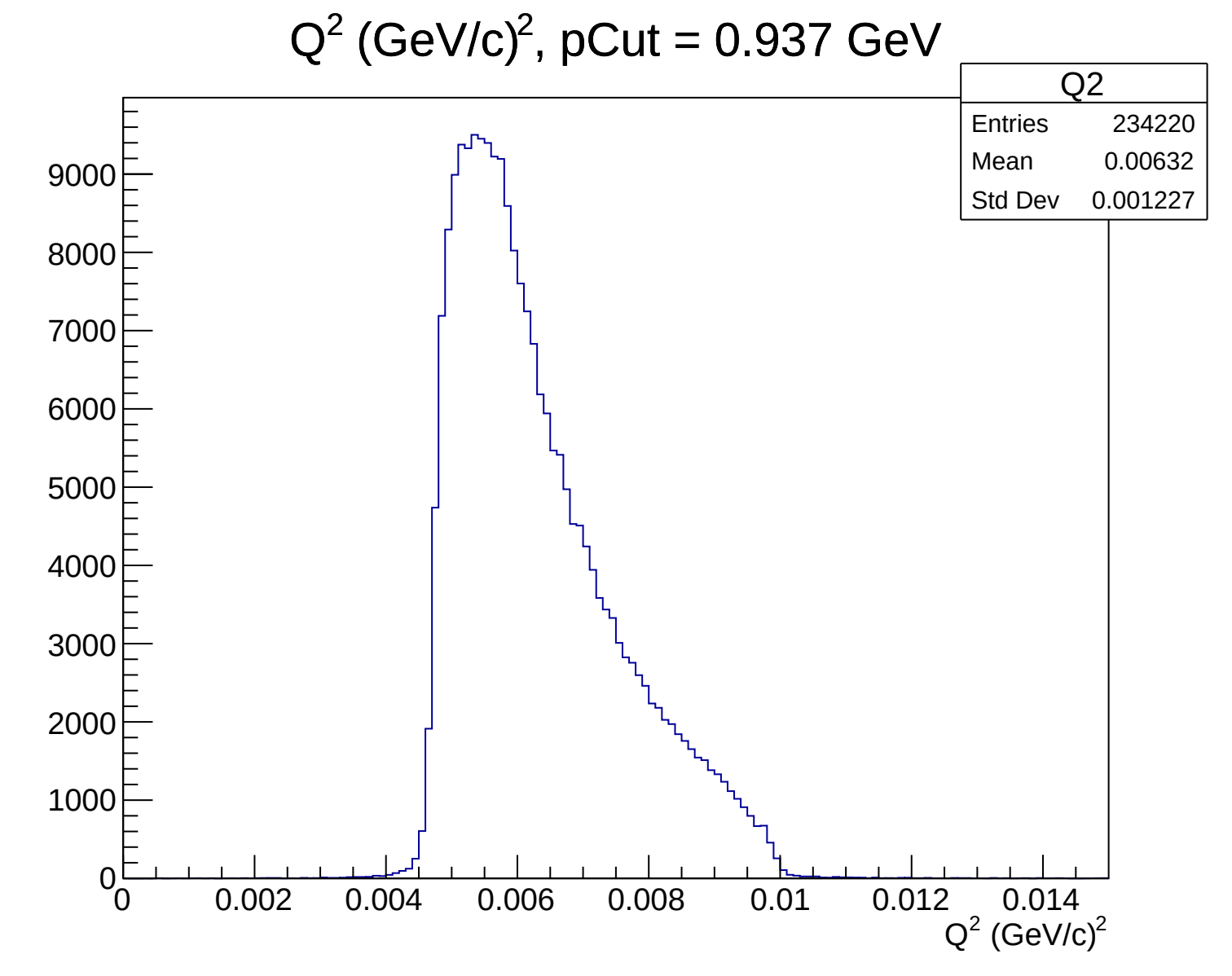
RHRS momentum (run21415)

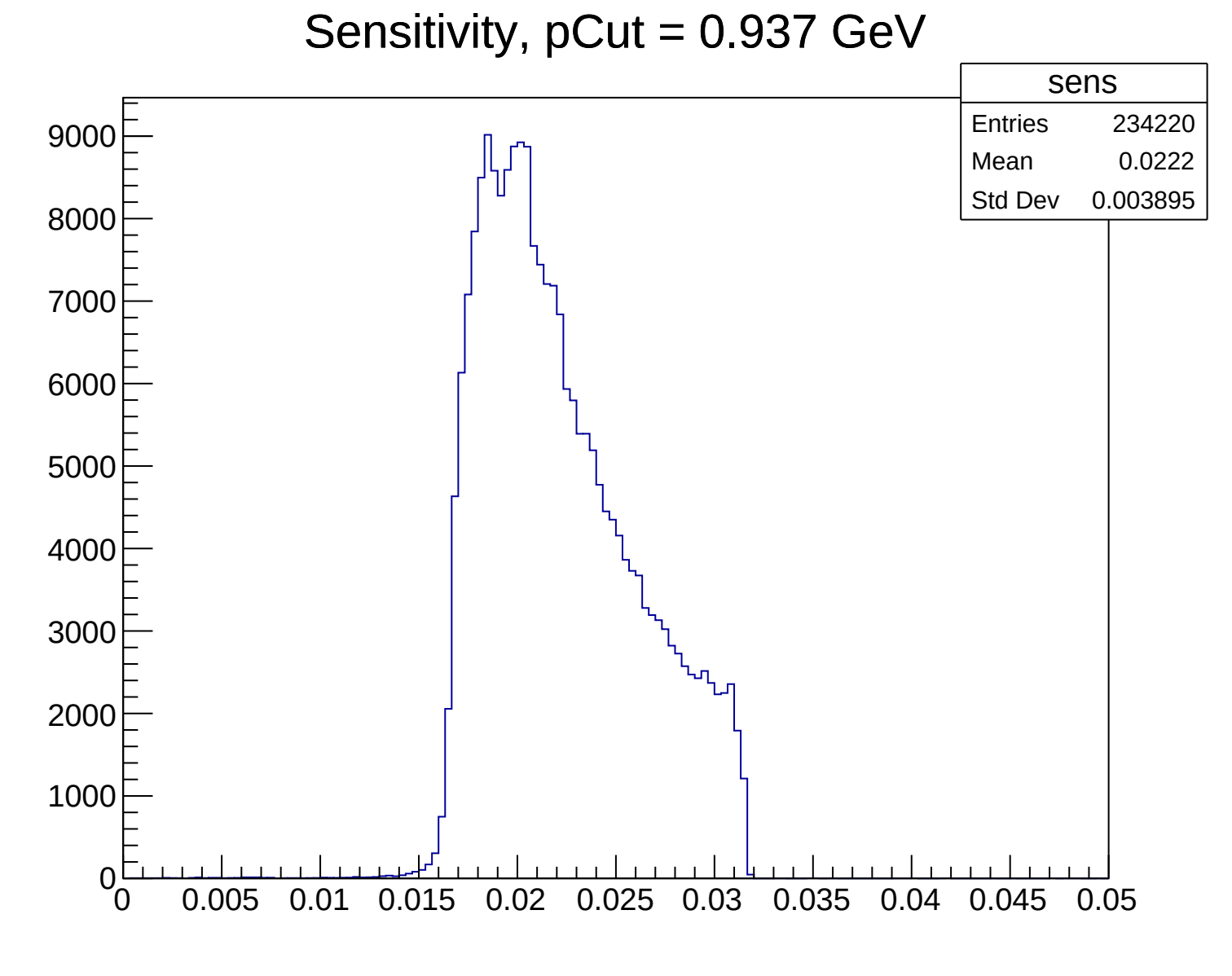



θlab (deg), pCut = 0.937 GeV
Theta
Entries 234220
Mean 4.787
Std Dev 0.4547
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

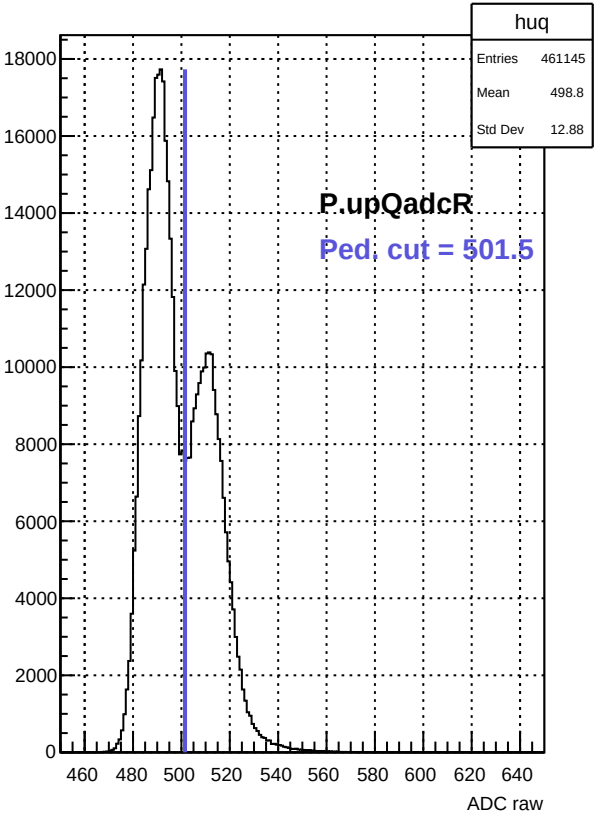

Asymmetry (ppm), pCut = 0.937 GeV
Asym
Entries 234220
Mean 0.5694
Std Dev 0.08152
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.937 GeV
SAsym
Entries 234220
Mean 0.5565
Std Dev 0.07779
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

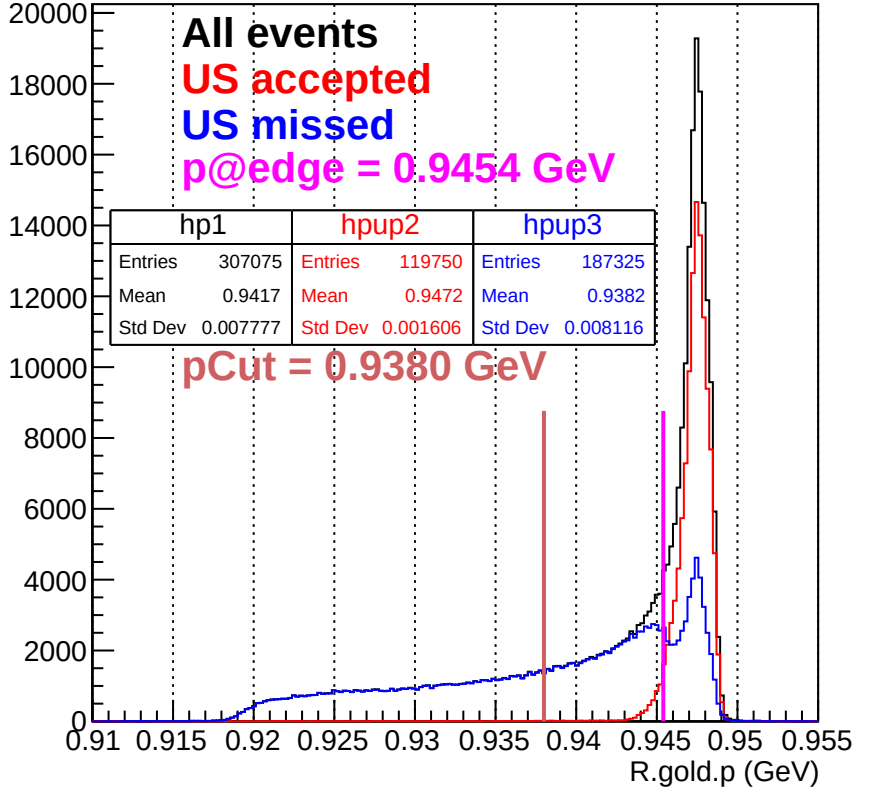

Q^2 (GeV/c)^2, pCut = 0.937 GeV
Q2
Entries 234220
Mean 0.00632
Std Dev 0.001227
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

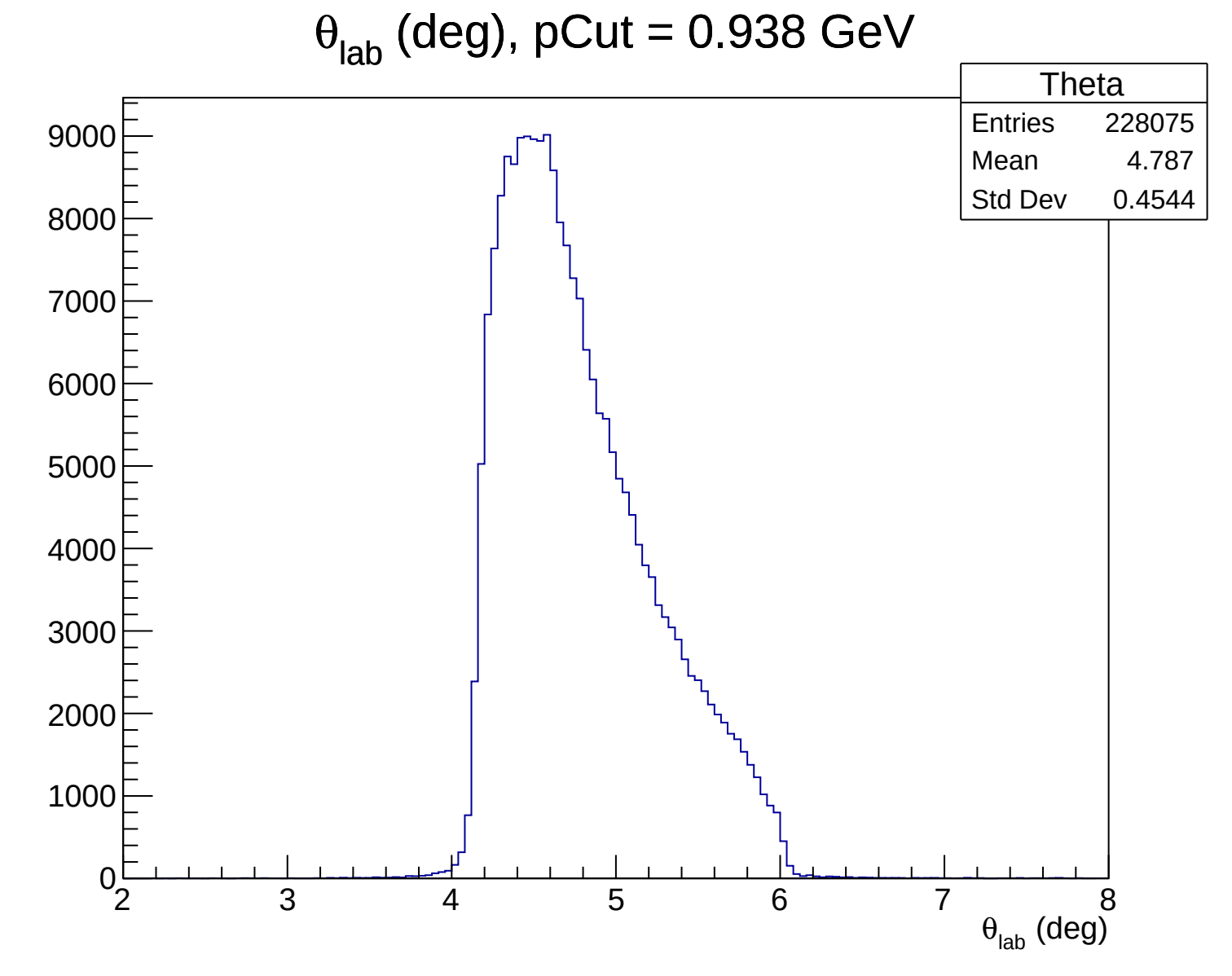

Sensitivity, pCut = 0.937 GeV
sens
Entries 234220
Mean 0.0222
Std Dev 0.003895
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

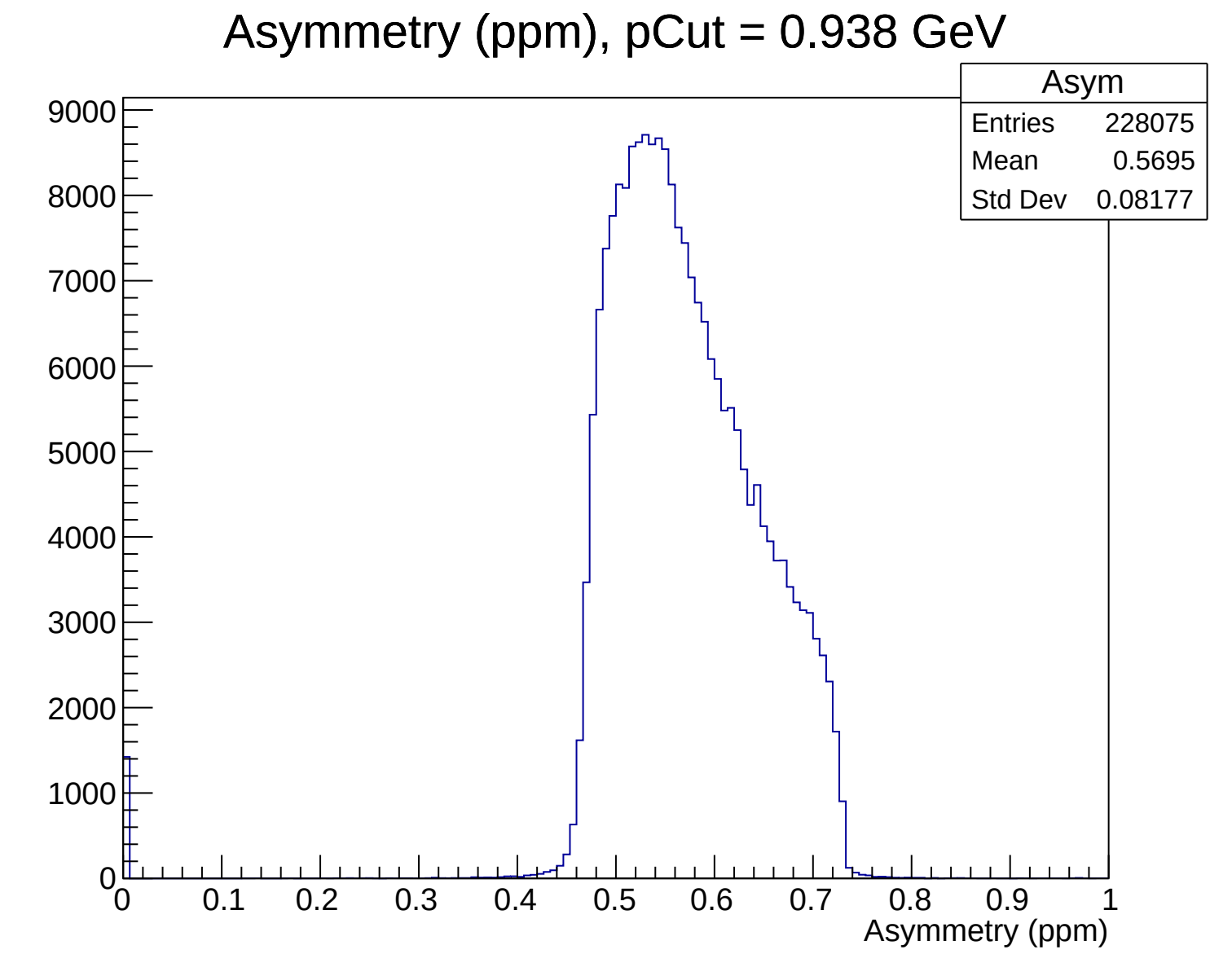
ADC raw (run21415, detZ = 1.3 m)

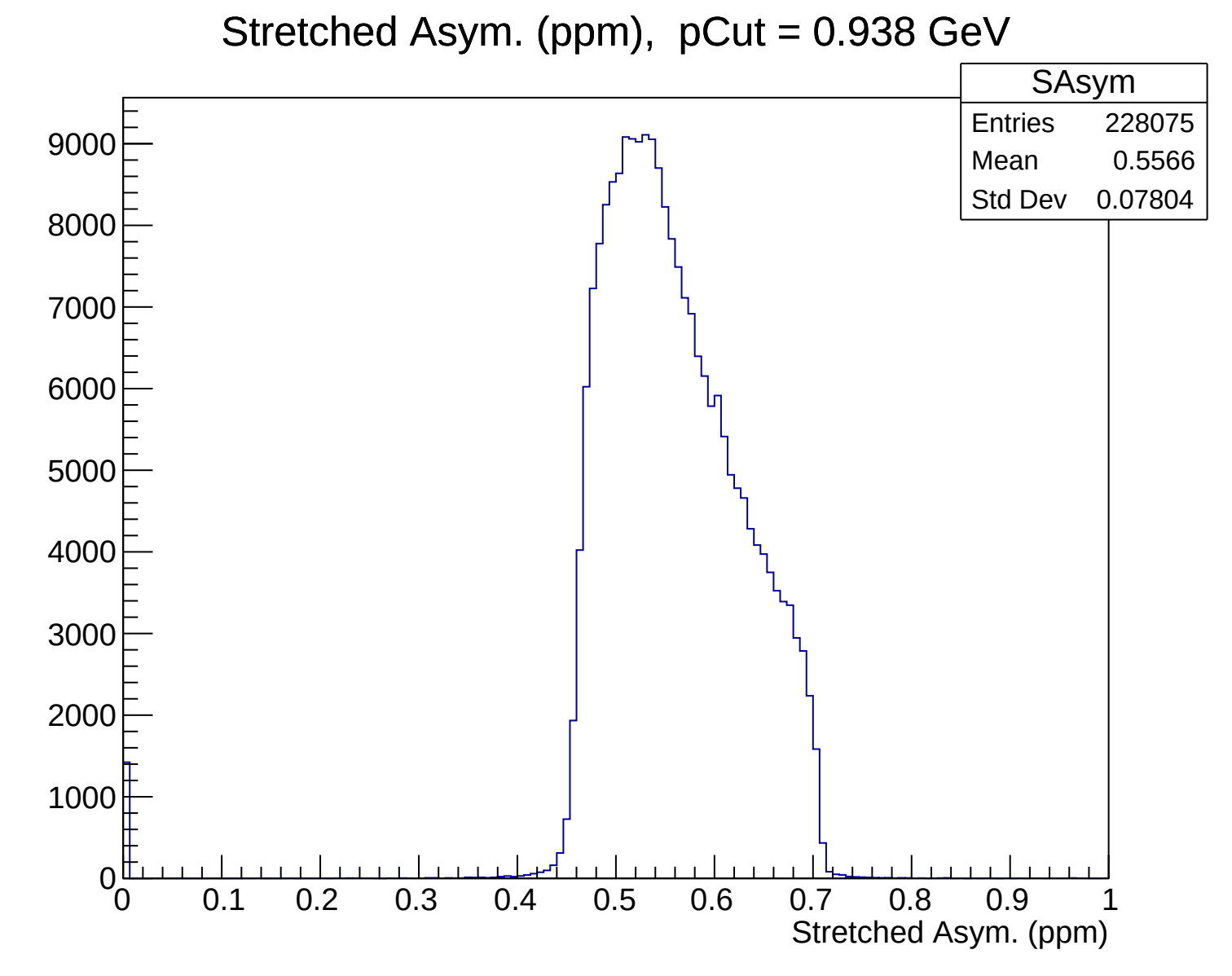


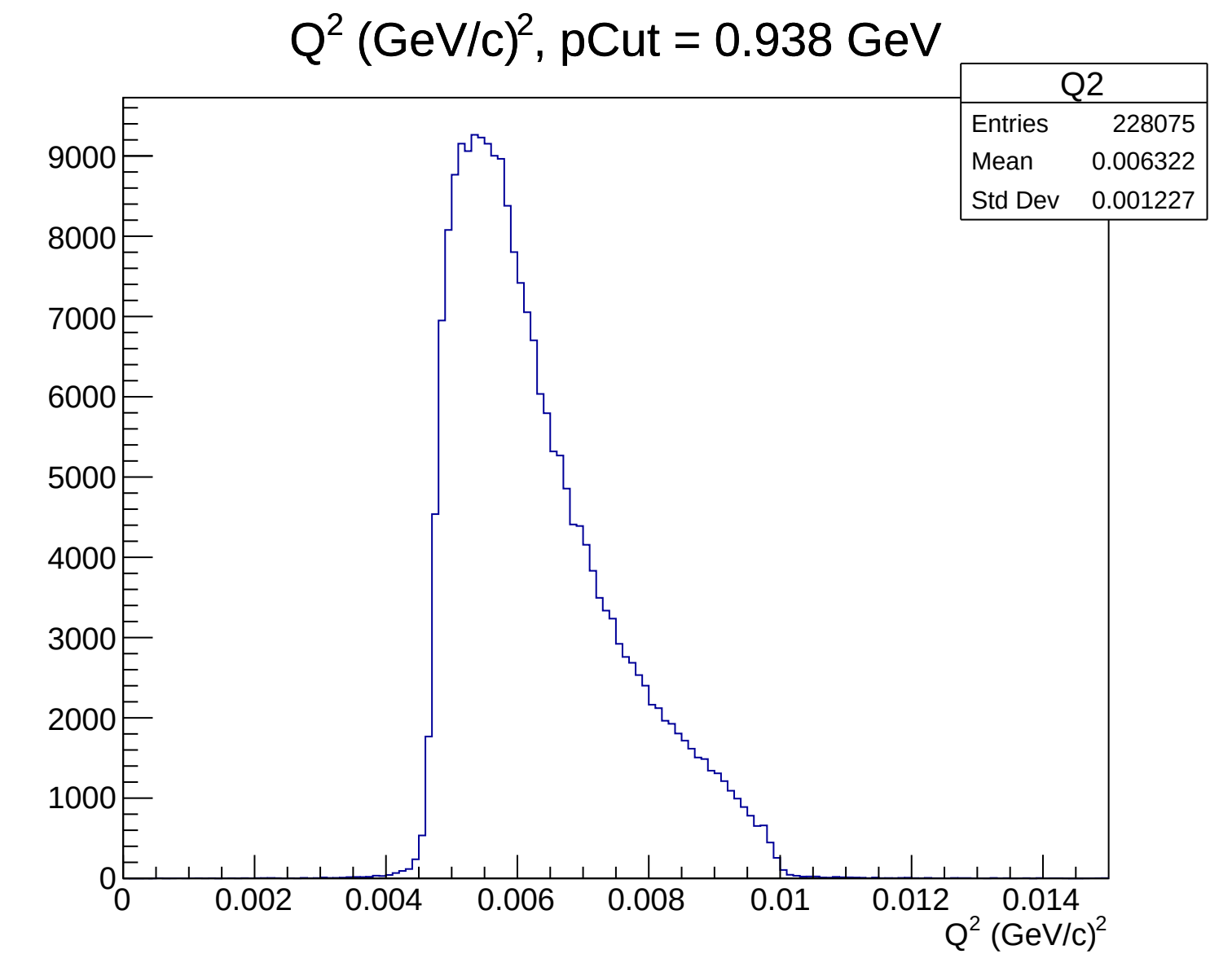
RHRS momentum (run21415)

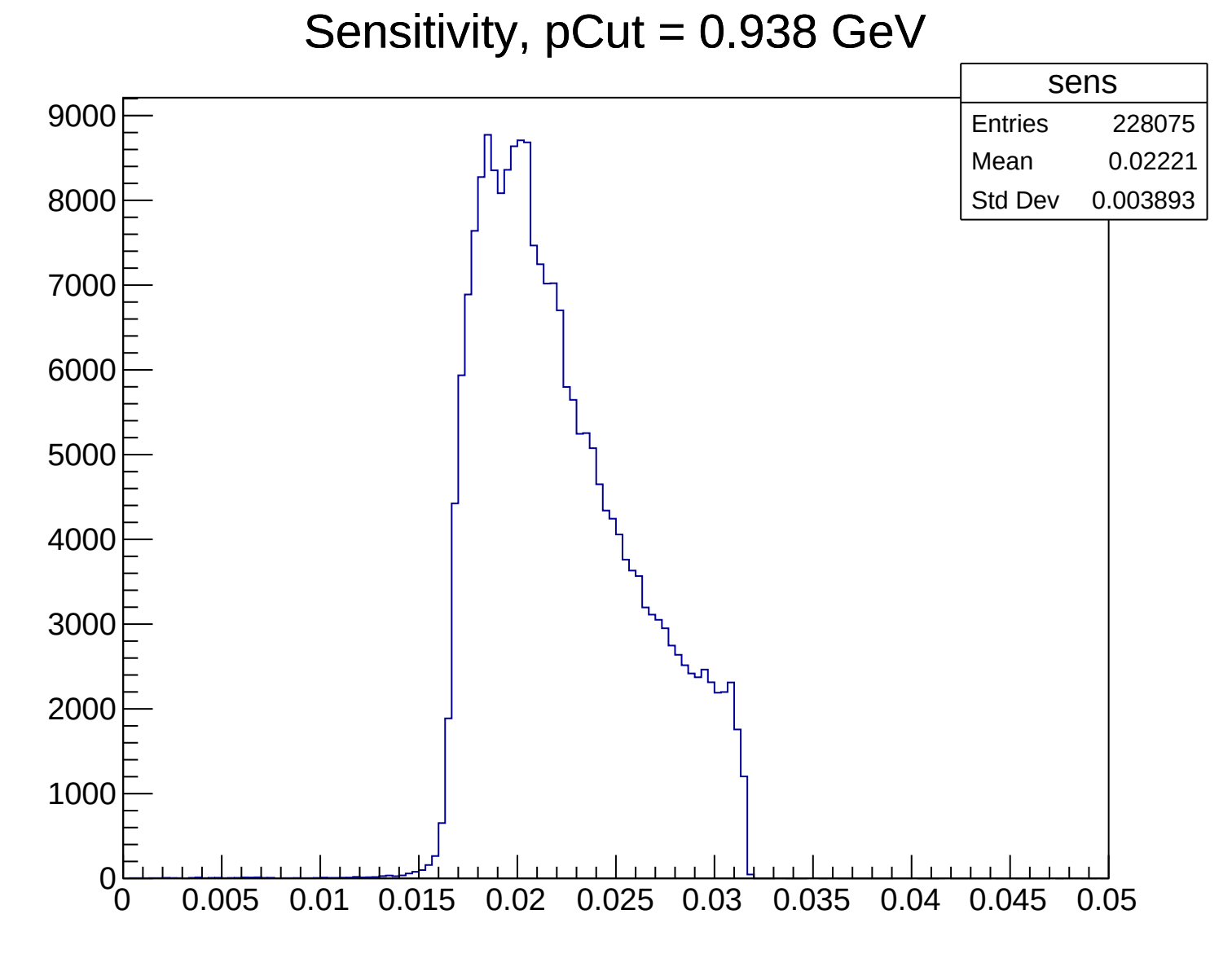



θlab (deg), pCut = 0.938 GeV
Theta
Entries 228075
Mean 4.787
Std Dev 0.4544
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

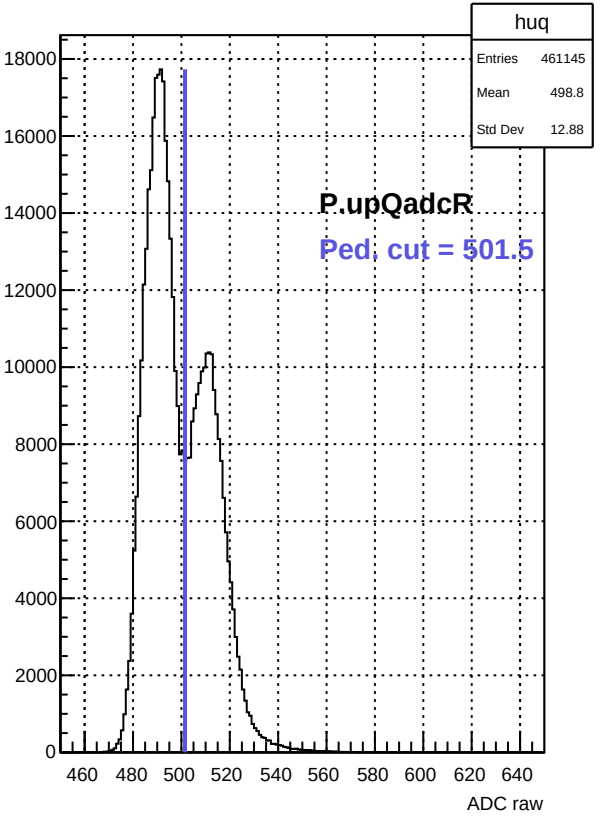

Asymmetry (ppm), pCut = 0.938 GeV
Asym
Entries 228075
Mean 0.5695
Std Dev 0.08177
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.938 GeV
SAsym
Entries 228075
Mean 0.5566
Std Dev 0.07804
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

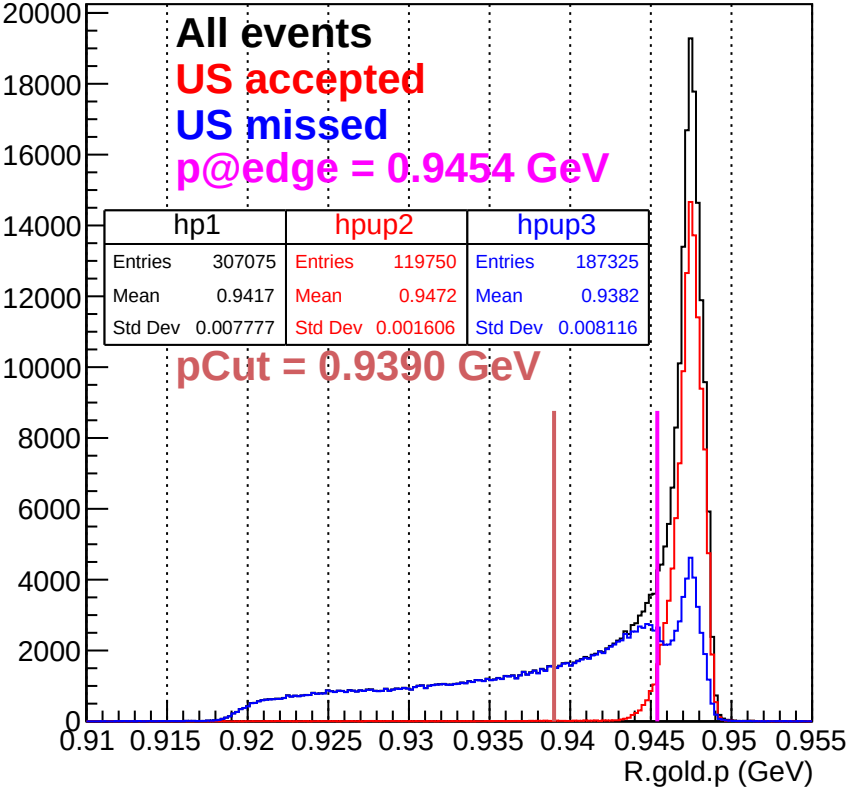

Q^2 (GeV/c)^2, pCut = 0.938 GeV
Q2
Entries 228075
Mean 0.006322
Std Dev 0.001227
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

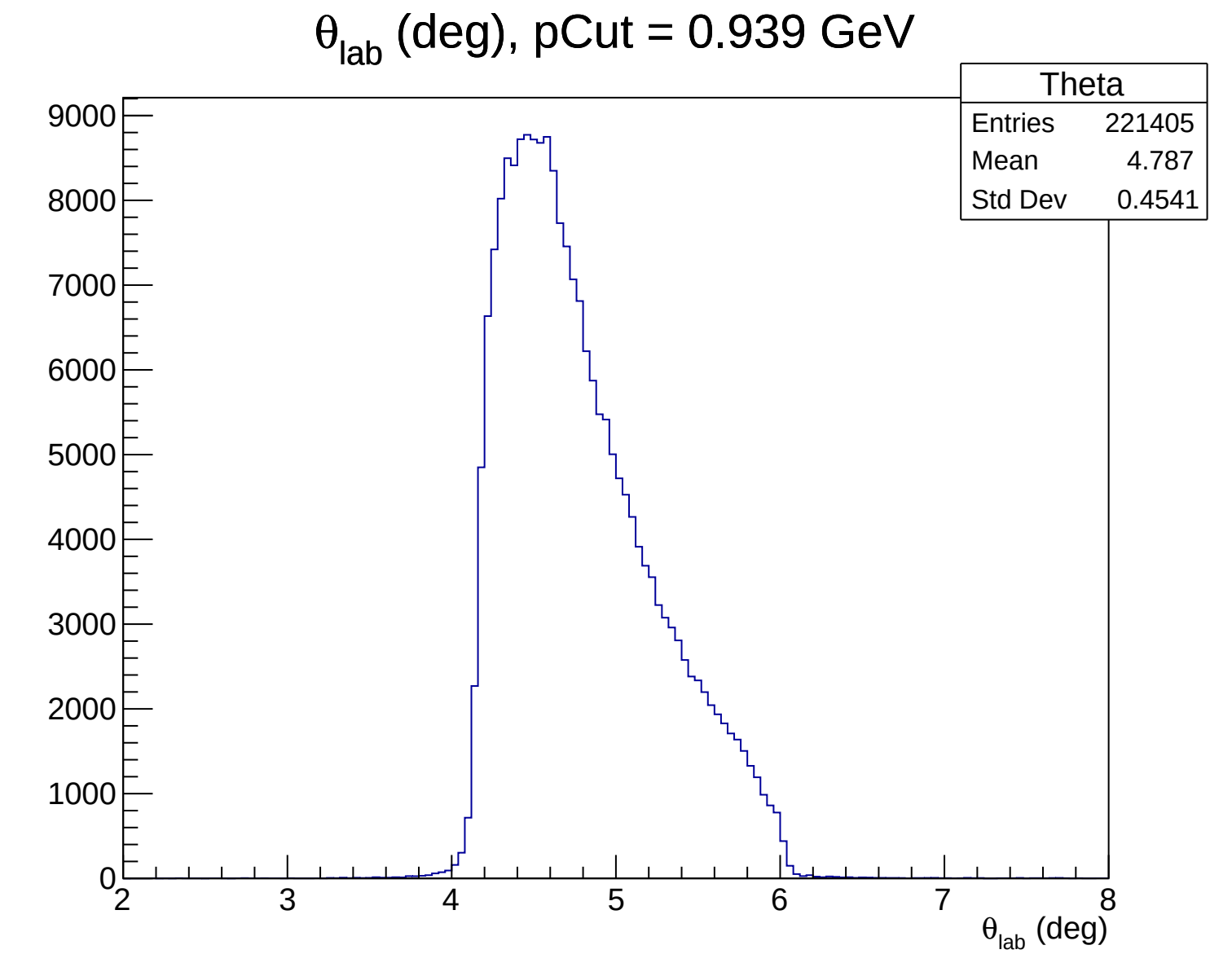

Sensitivity, pCut = 0.938 GeV
sens
Entries 228075
Mean 0.02221
Std Dev 0.003893
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

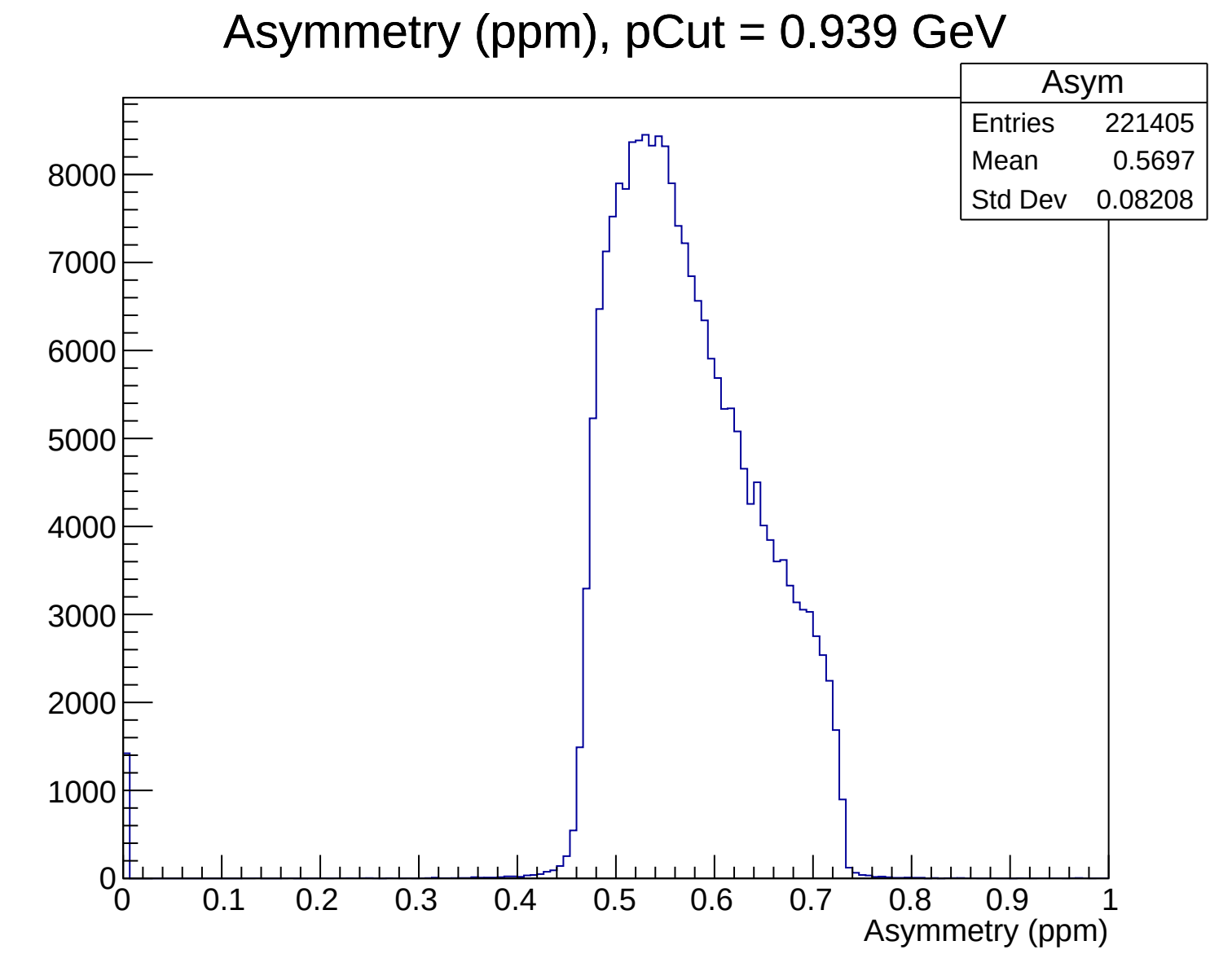
ADC raw (run21415, detZ = 1.3 m)

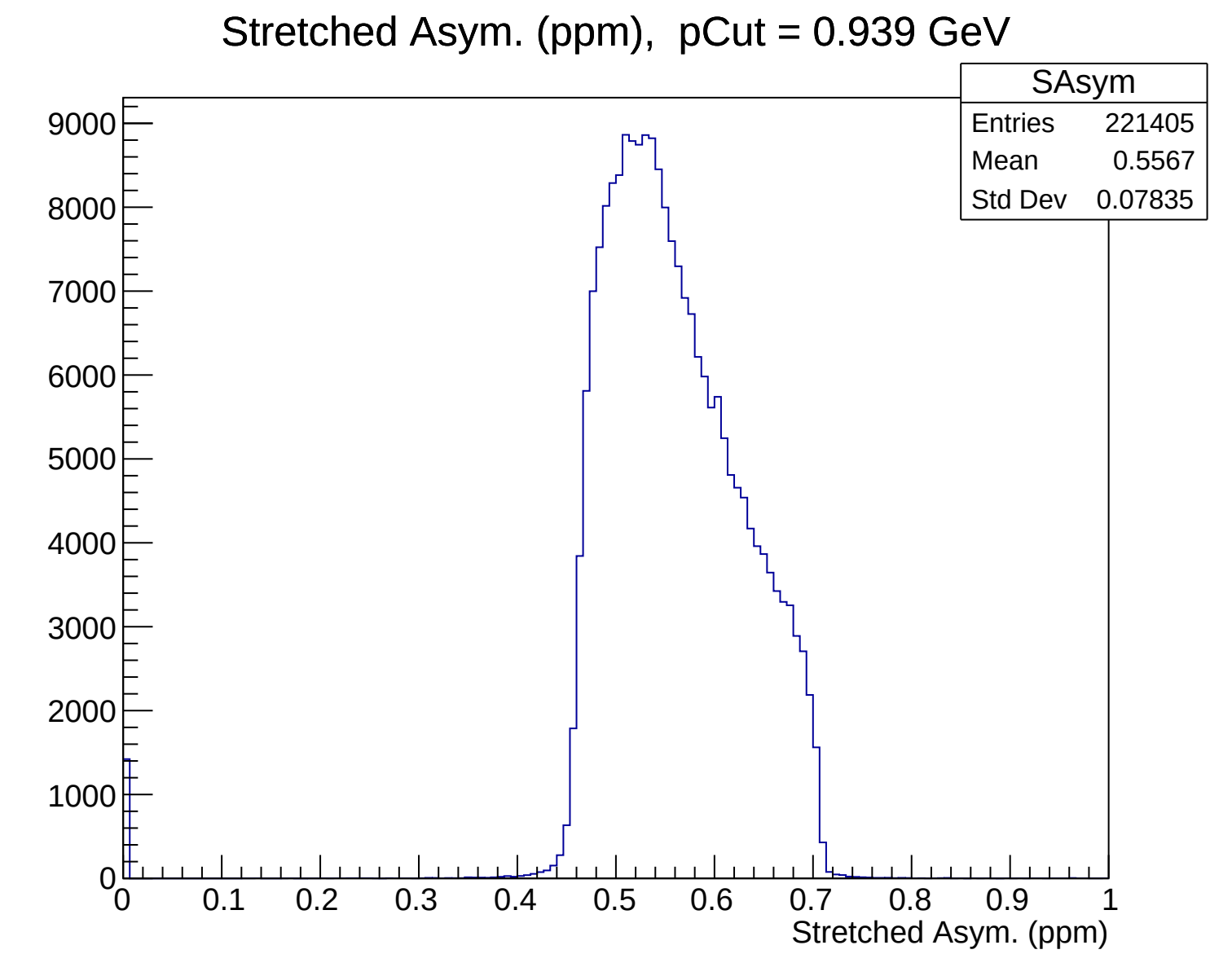


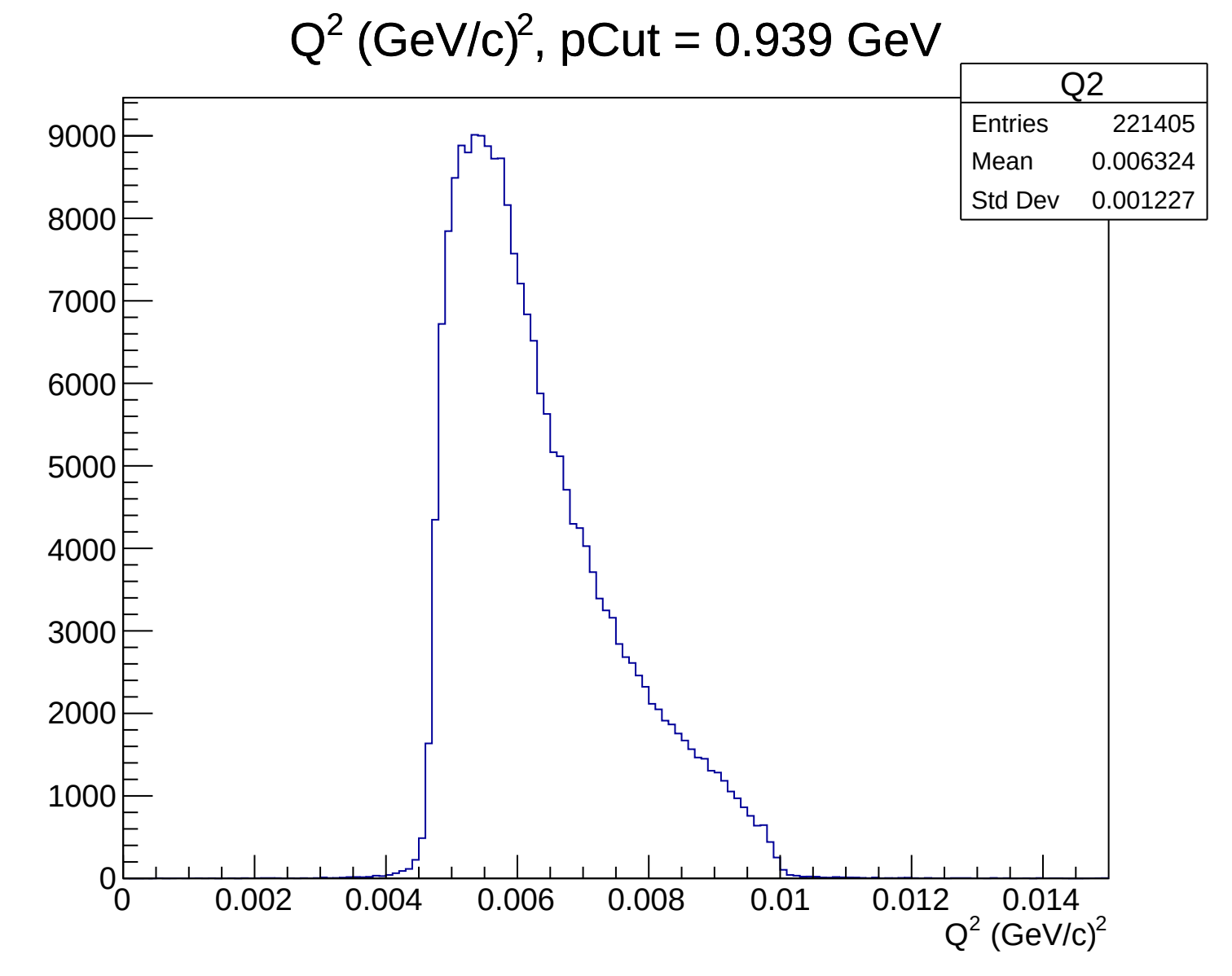
RHRS momentum (run21415)

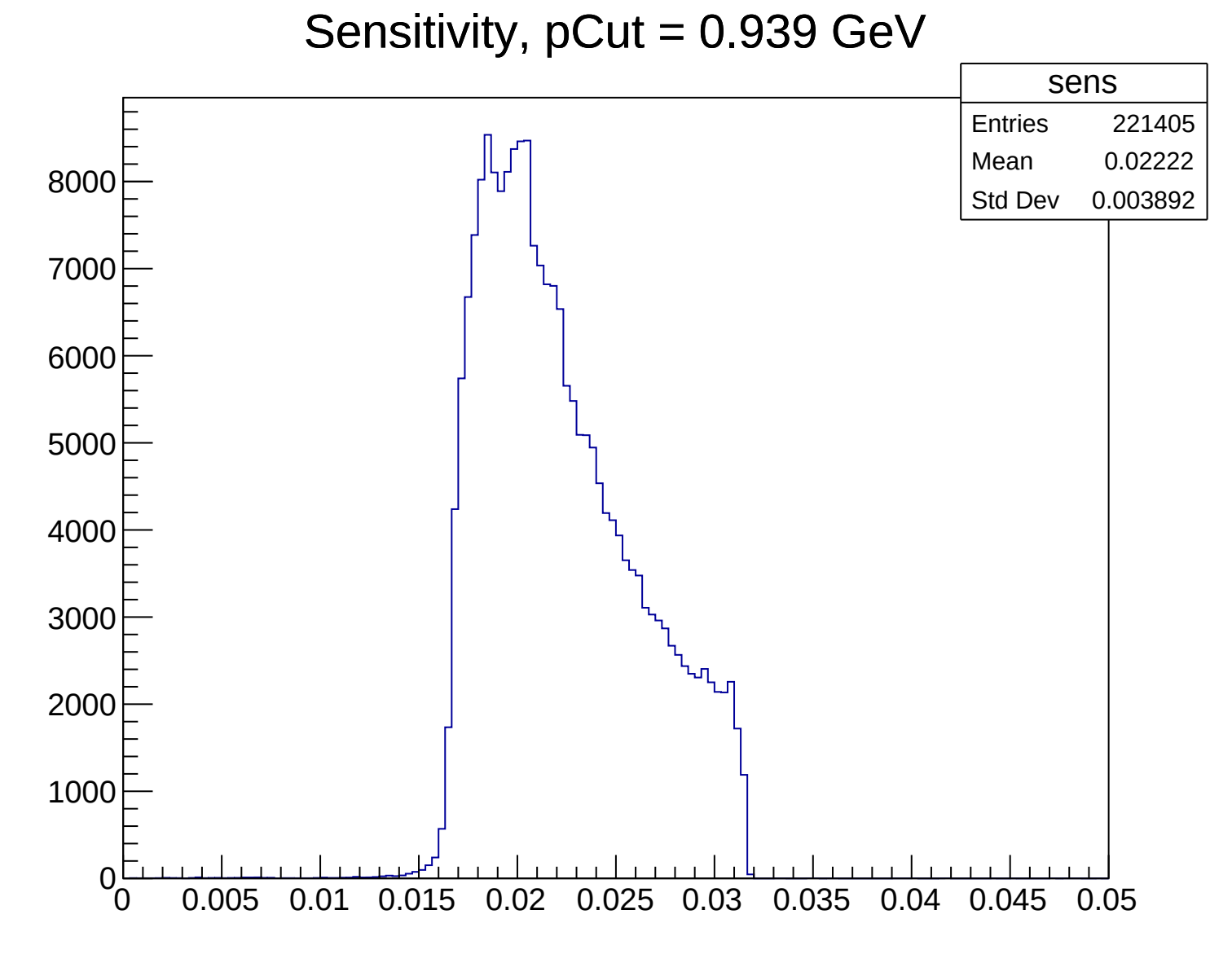


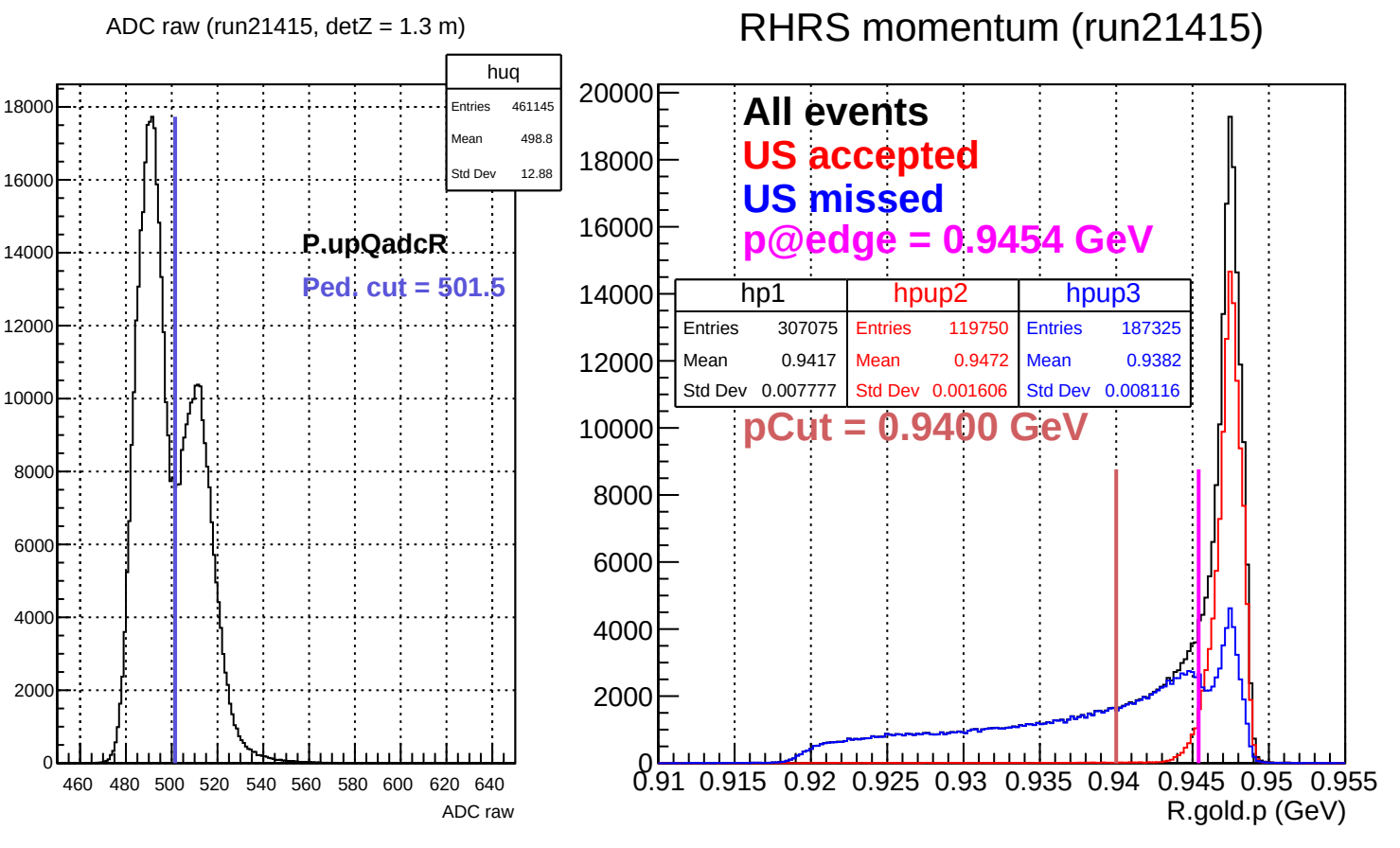

θlab (deg), pCut = 0.939 GeV
Theta
Entries 221405
Mean 4.787
Std Dev 0.4541
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

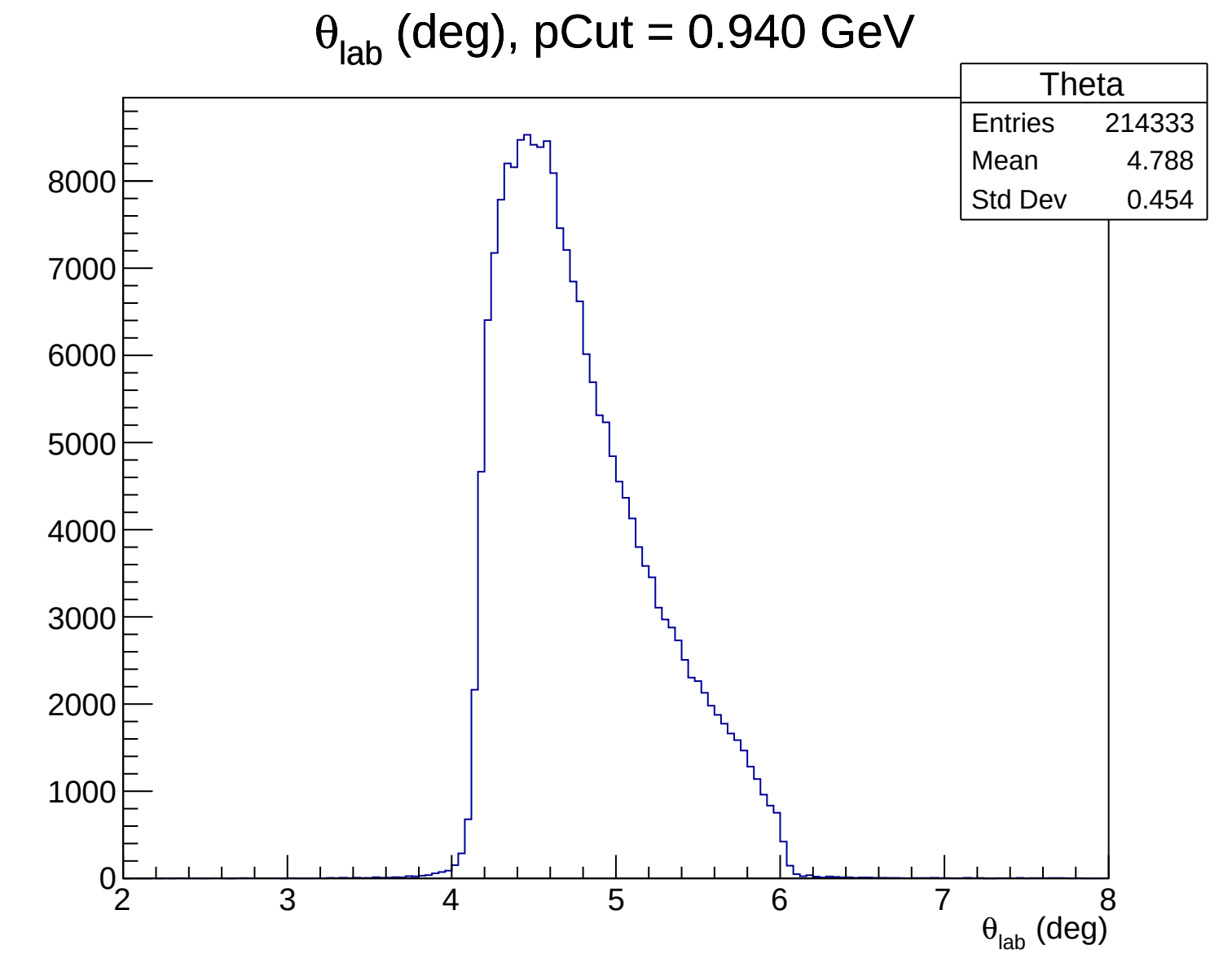

Asymmetry (ppm), pCut = 0.939 GeV
Asym
Entries 221405
Mean 0.5697
Std Dev 0.08208
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

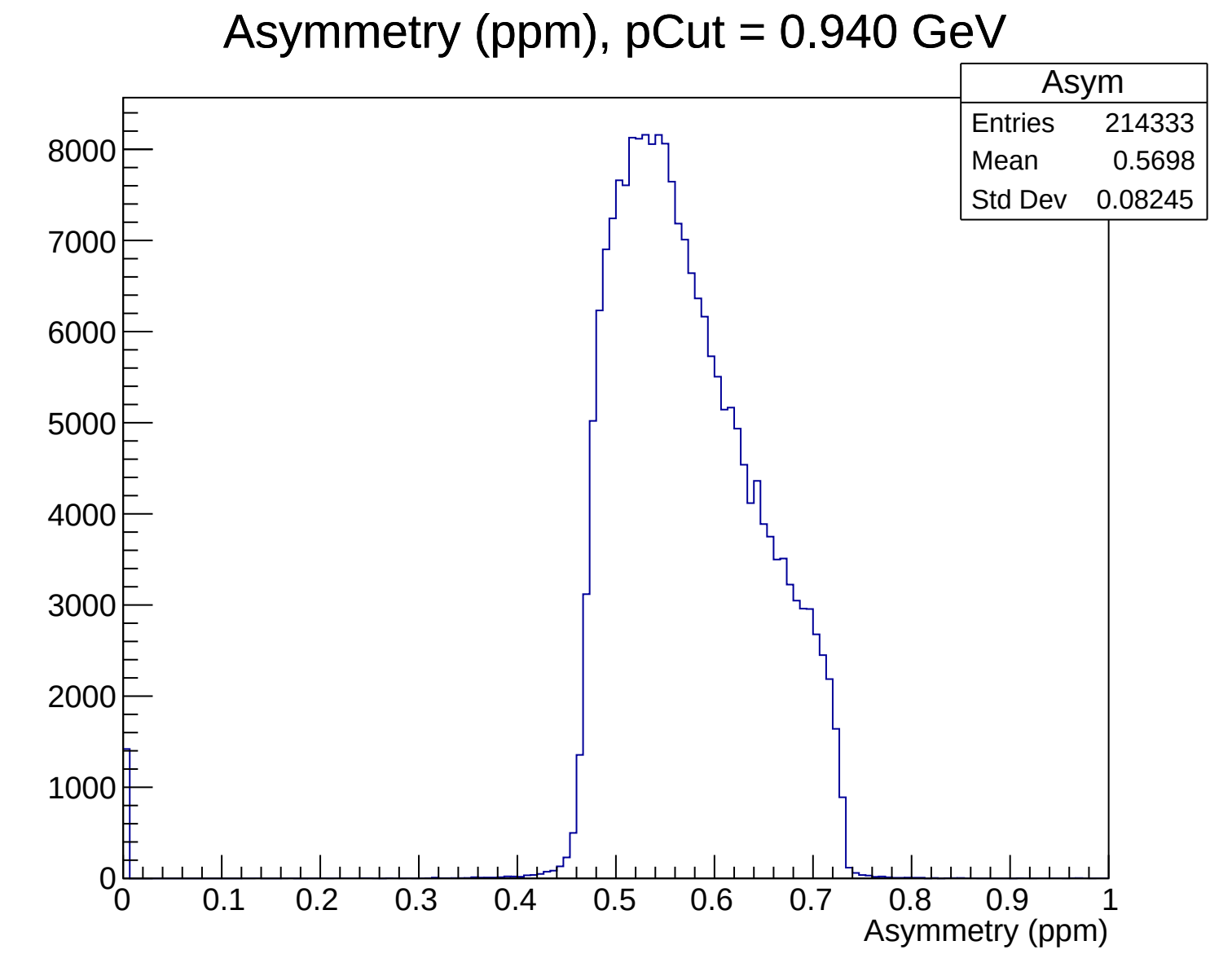

Stretched Asym. (ppm), pCut = 0.939 GeV
SAsym
Entries 221405
Mean 0.5567
Std Dev 0.07835
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

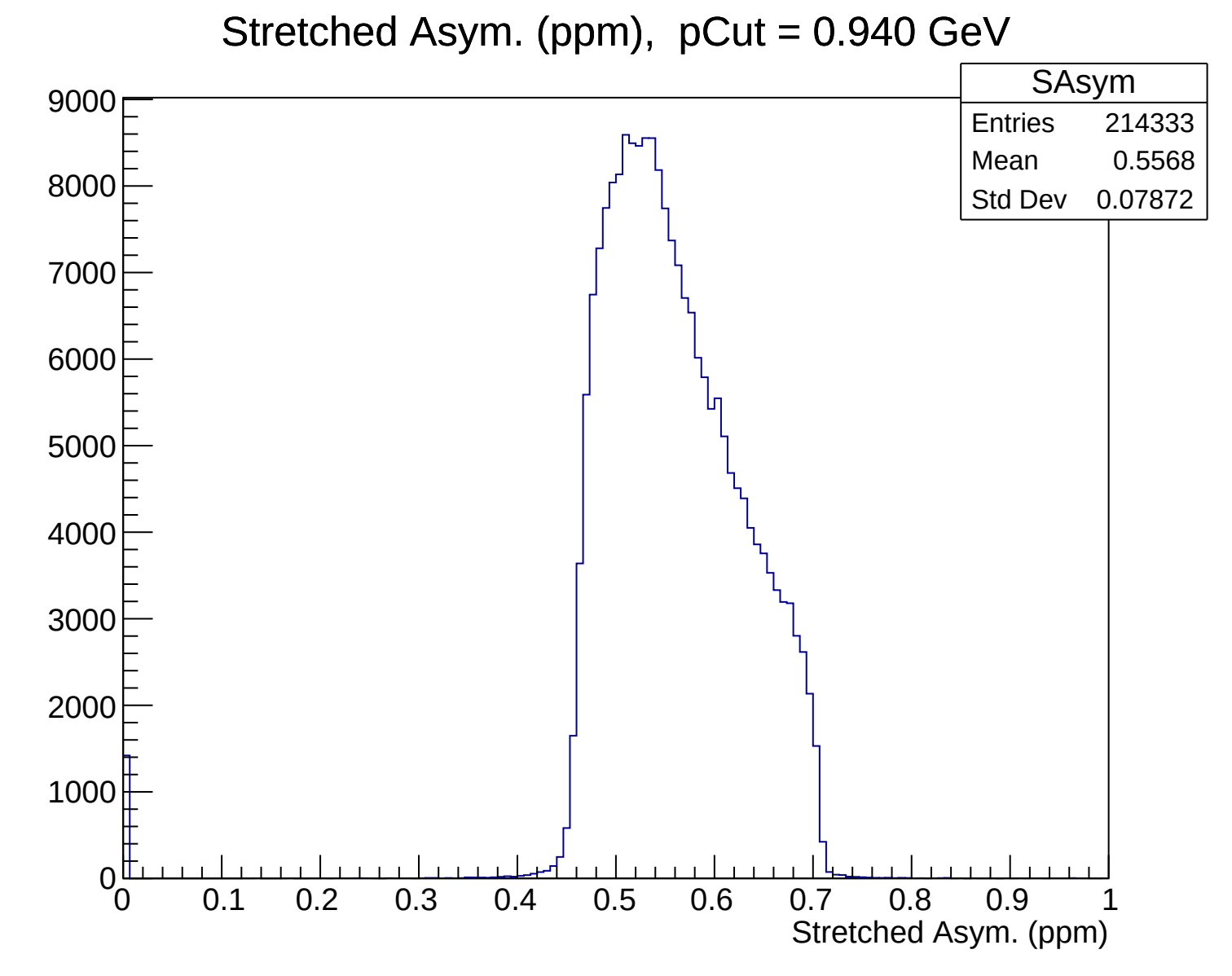

Q^2 (GeV/c)^2, pCut = 0.939 GeV
Q2
Entries 221405
Mean 0.006324
Std Dev 0.001227
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

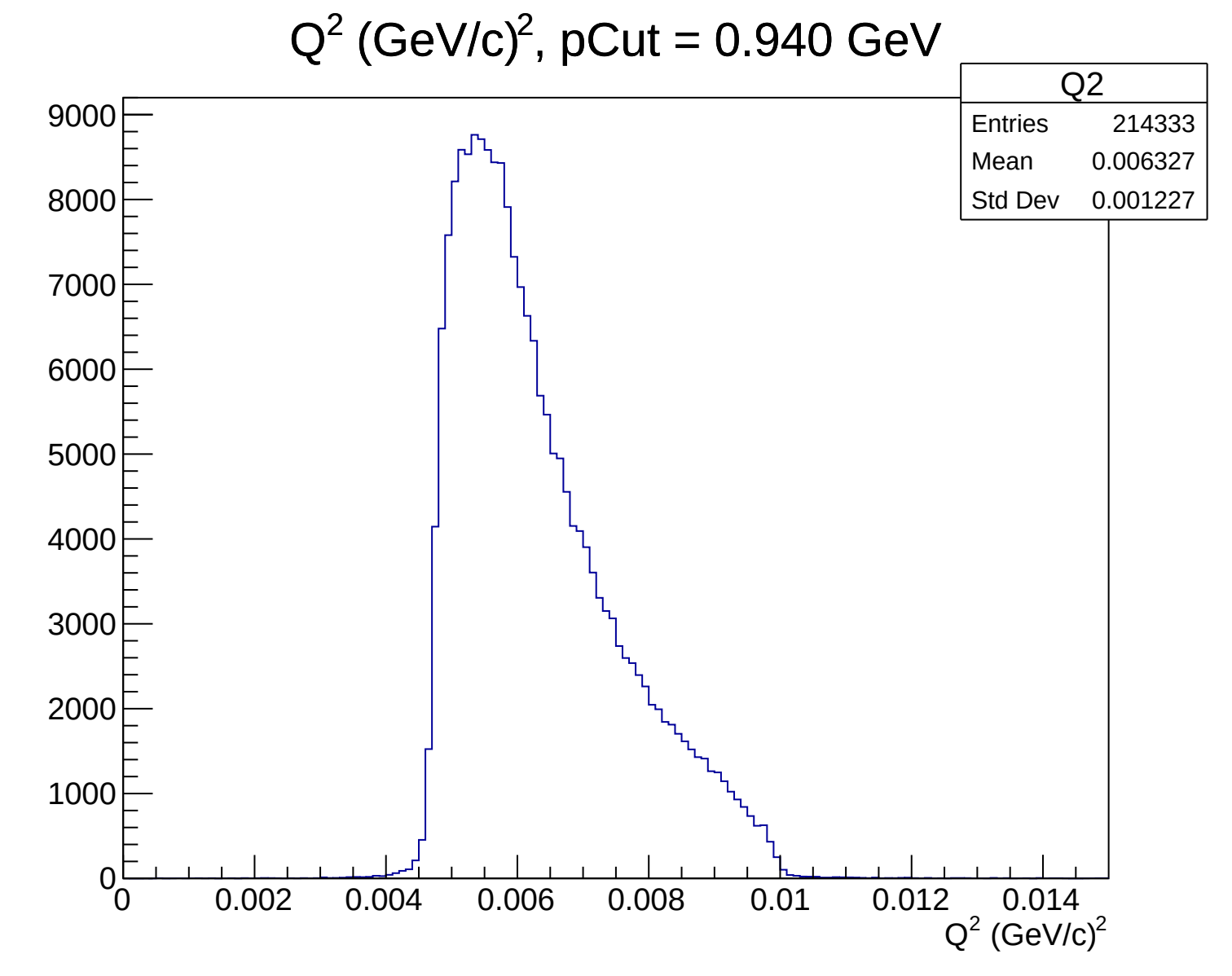

Sensitivity, pCut = 0.939 GeV
sens
Entries 221405
Mean 0.02222
Std Dev 0.003892
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

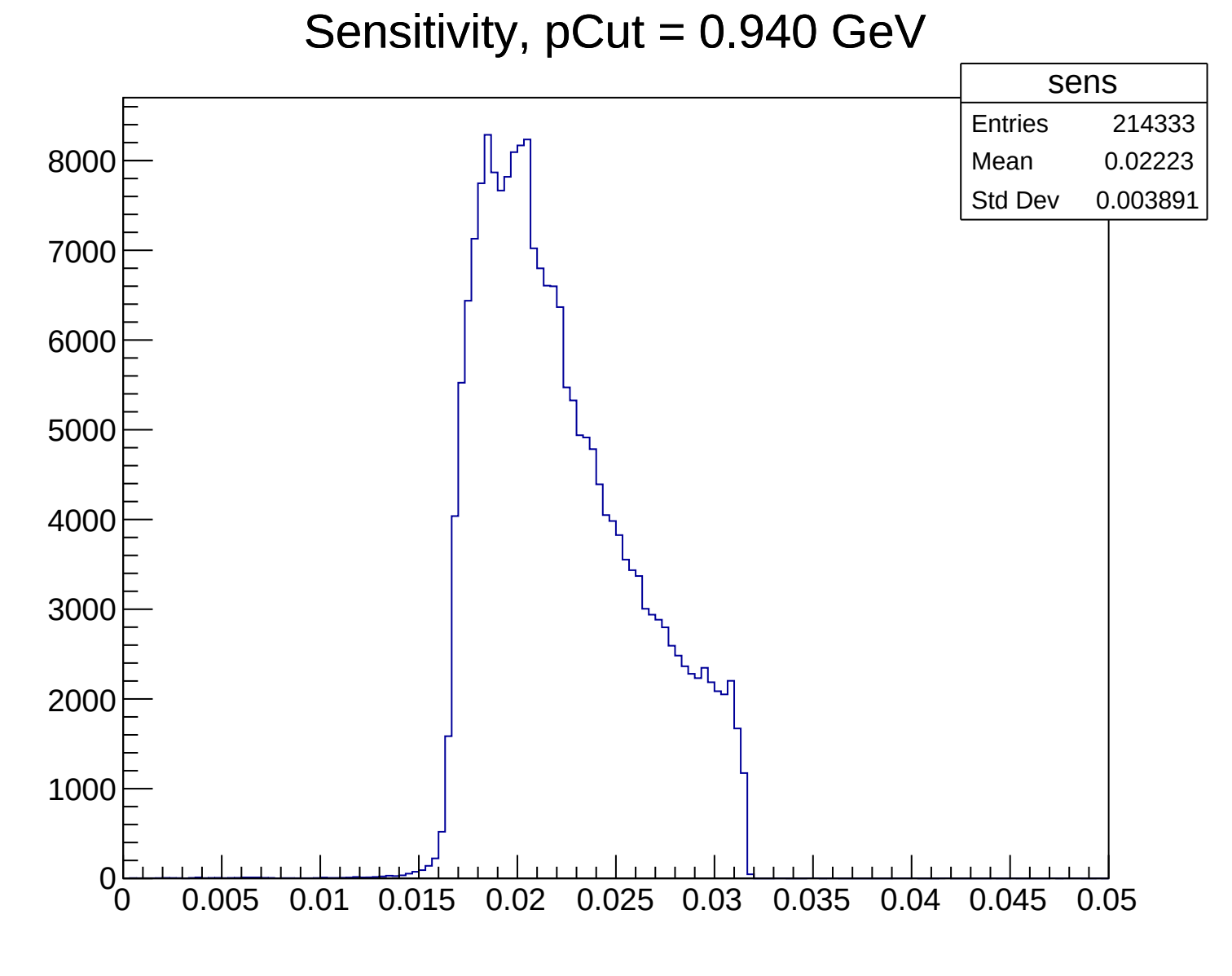

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9400 GeV
R.gold.p (GeV)

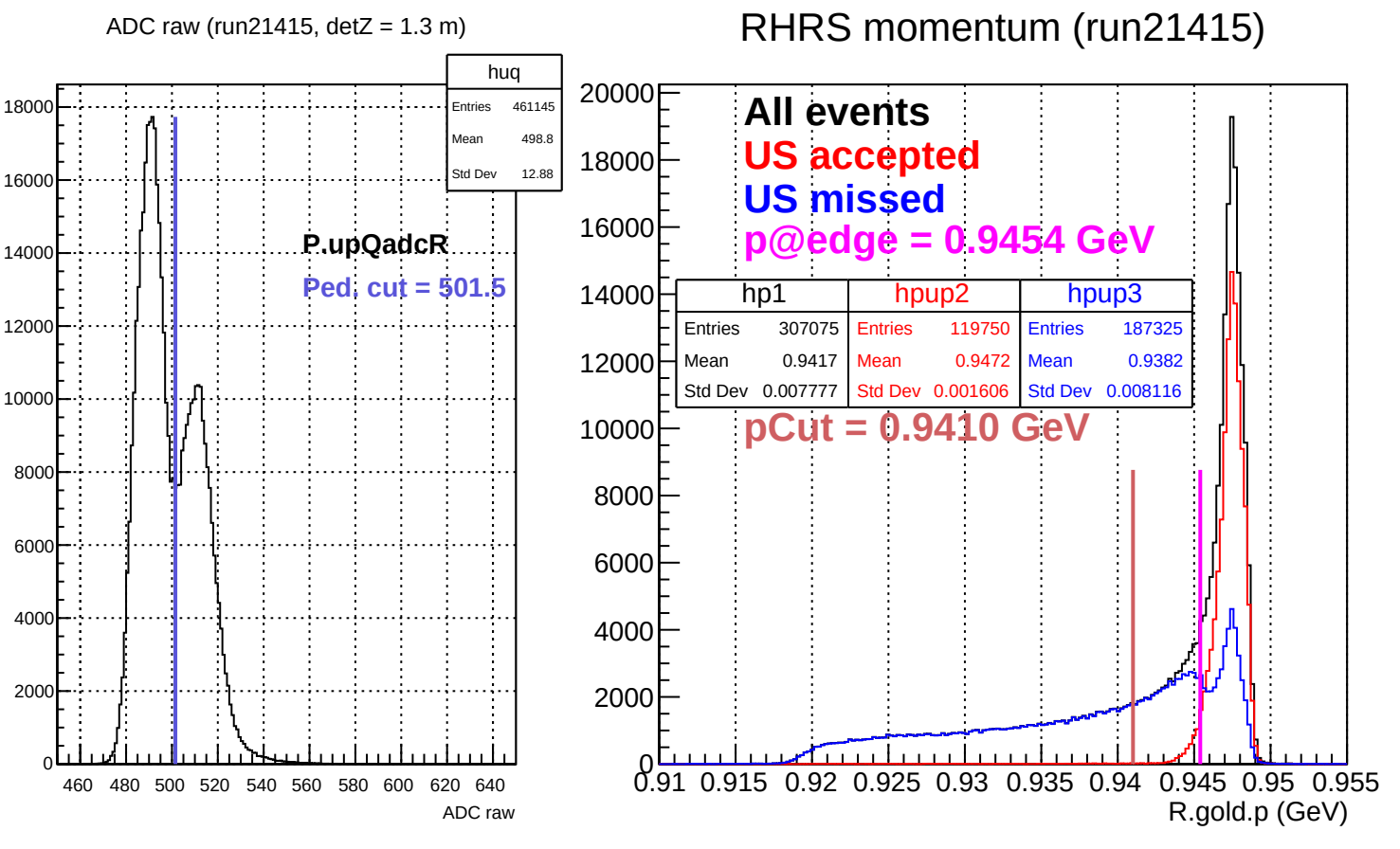

θlab (deg), pCut = 0.940 GeV
Theta
Entries 214333
Mean 4.788
Std Dev 0.454
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

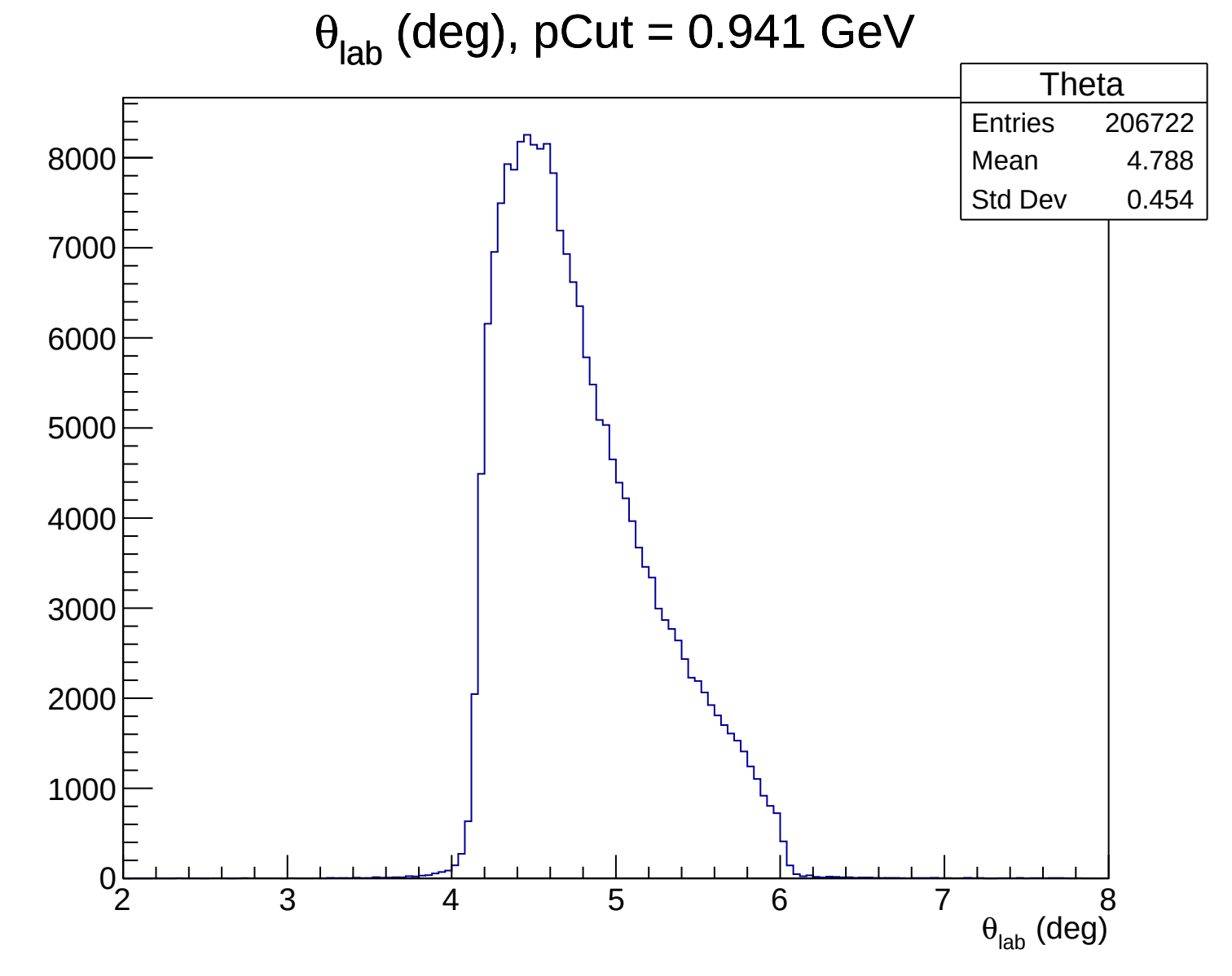

Asymmetry (ppm), pCut = 0.940 GeV
Asym
Entries 214333
Mean 0.5698
Std Dev 0.08245
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

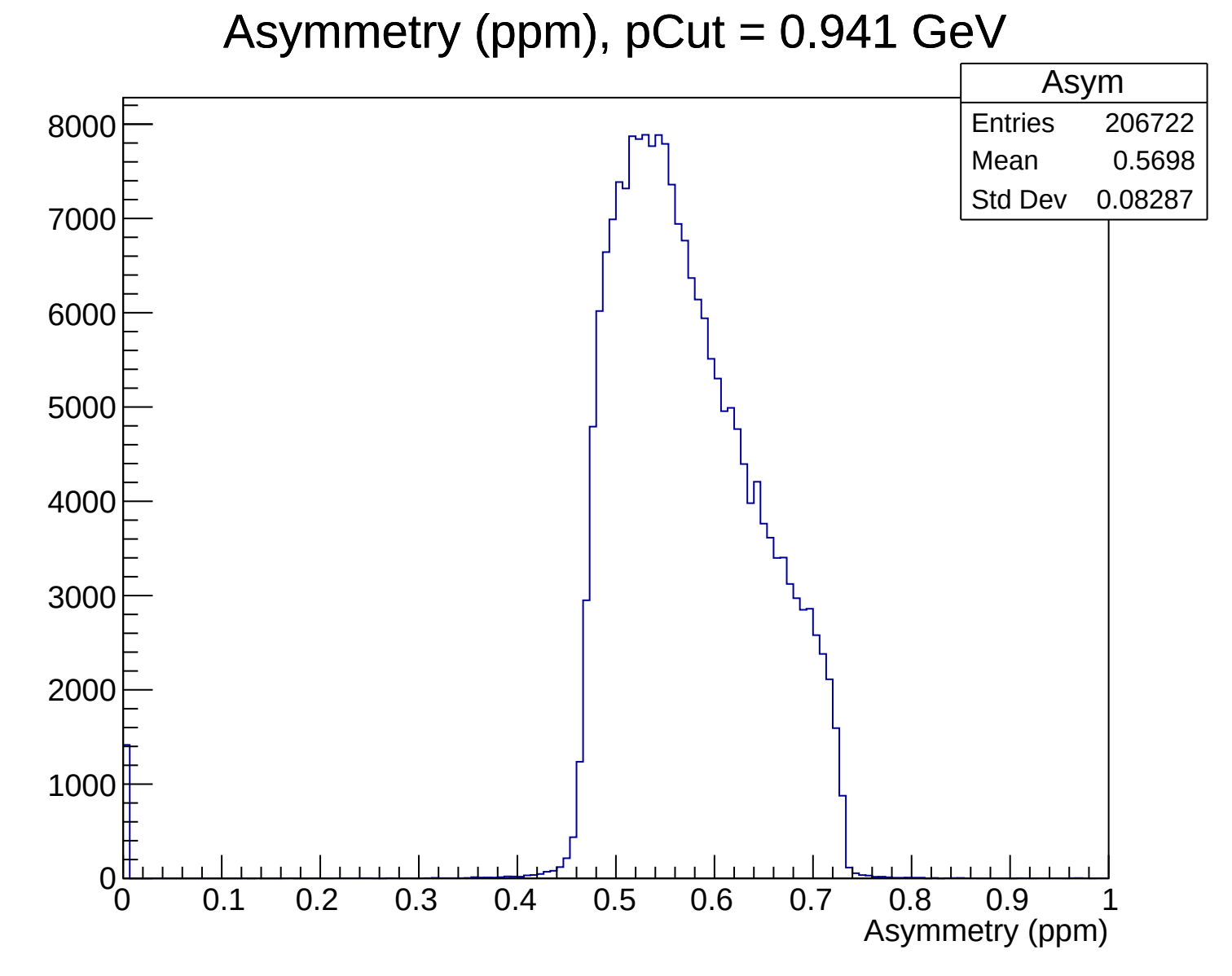

Stretched Asym. (ppm), pCut = 0.940 GeV
SAsym
Entries 214333
Mean 0.5568
Std Dev 0.07872
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

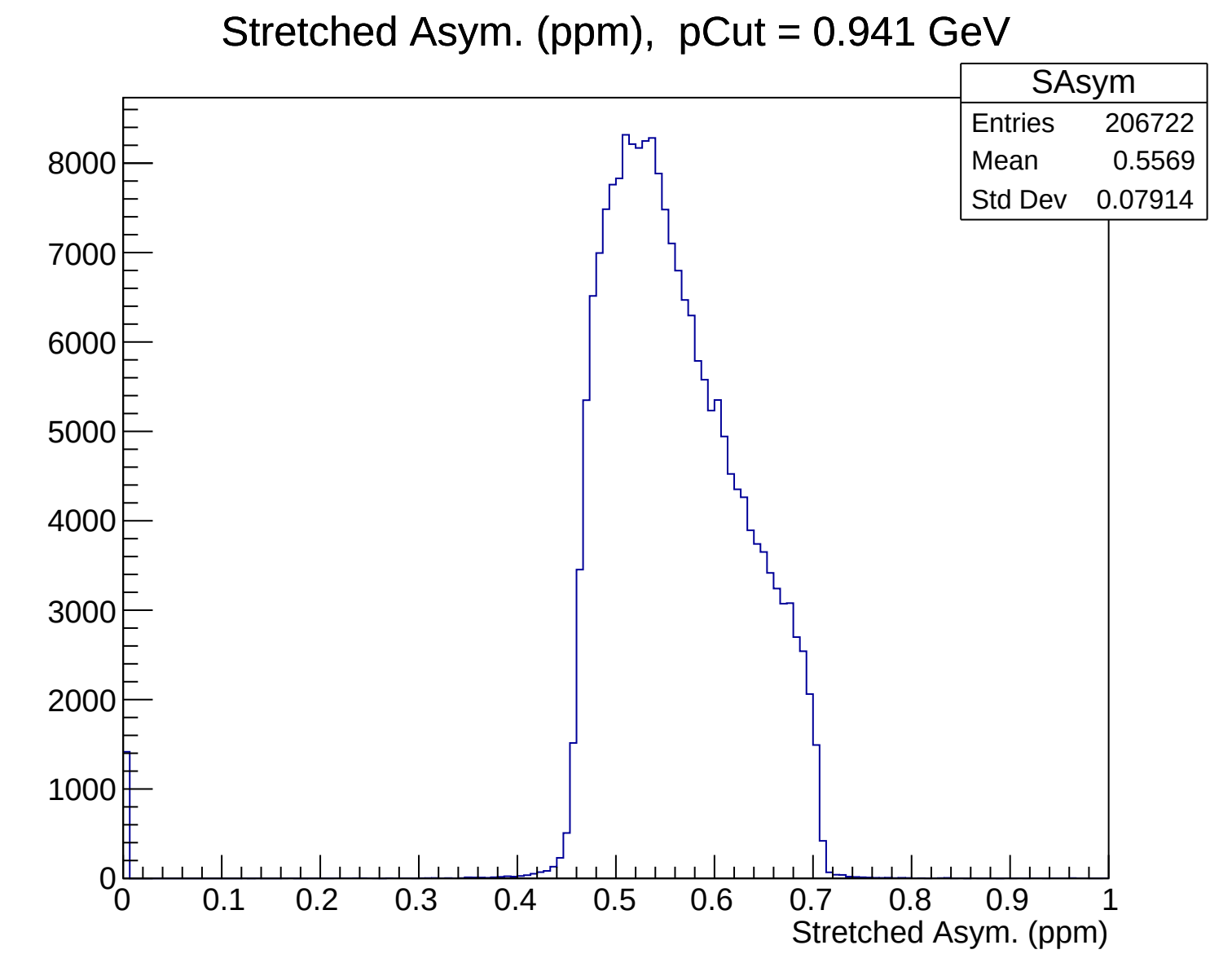

Q^2 (GeV/c)^2, pCut = 0.940 GeV
Q2
Entries 214333
Mean 0.006327
Std Dev 0.001227
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

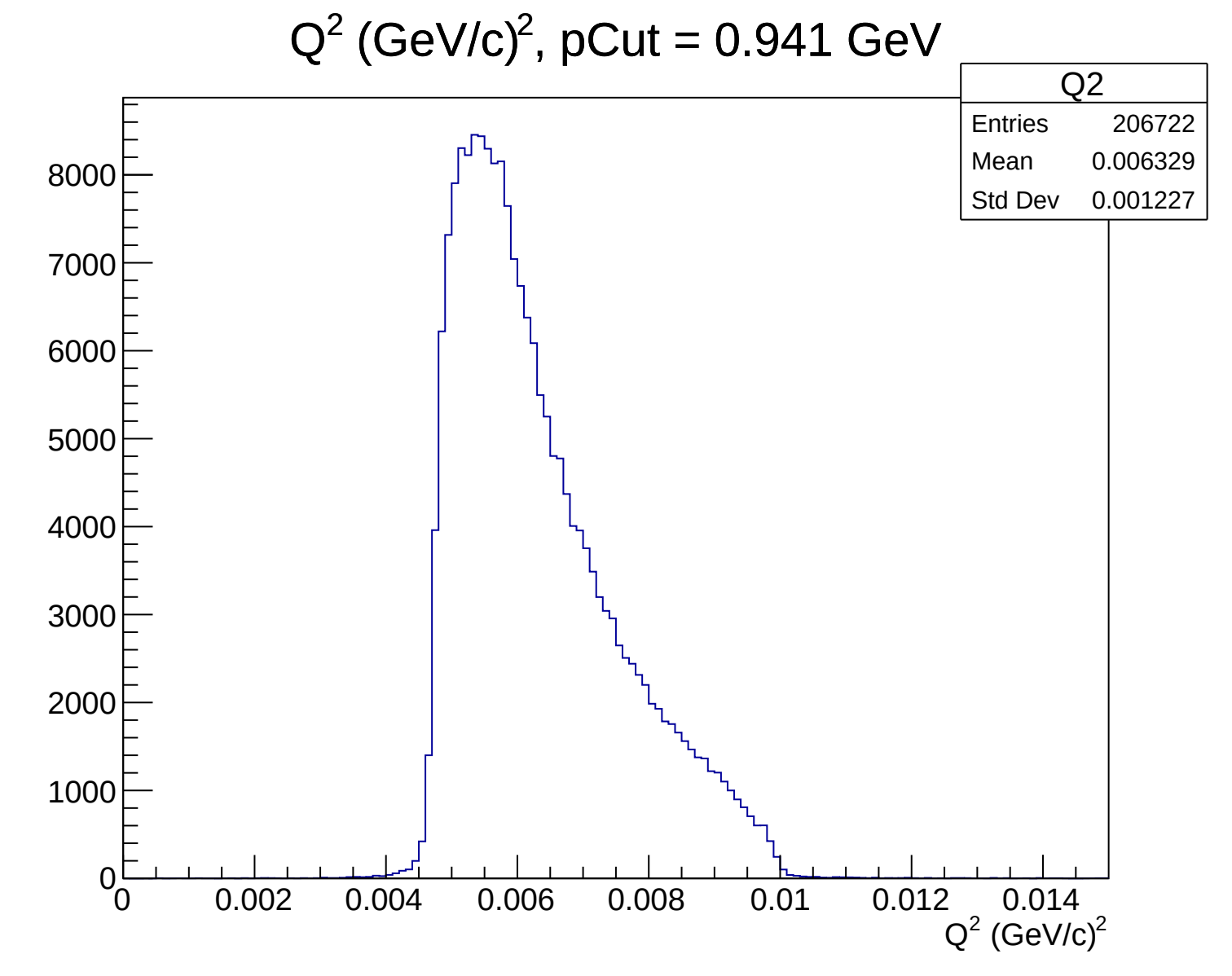

Sensitivity, pCut = 0.940 GeV
sens
Entries 214333
Mean 0.02223
Std Dev 0.003891
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

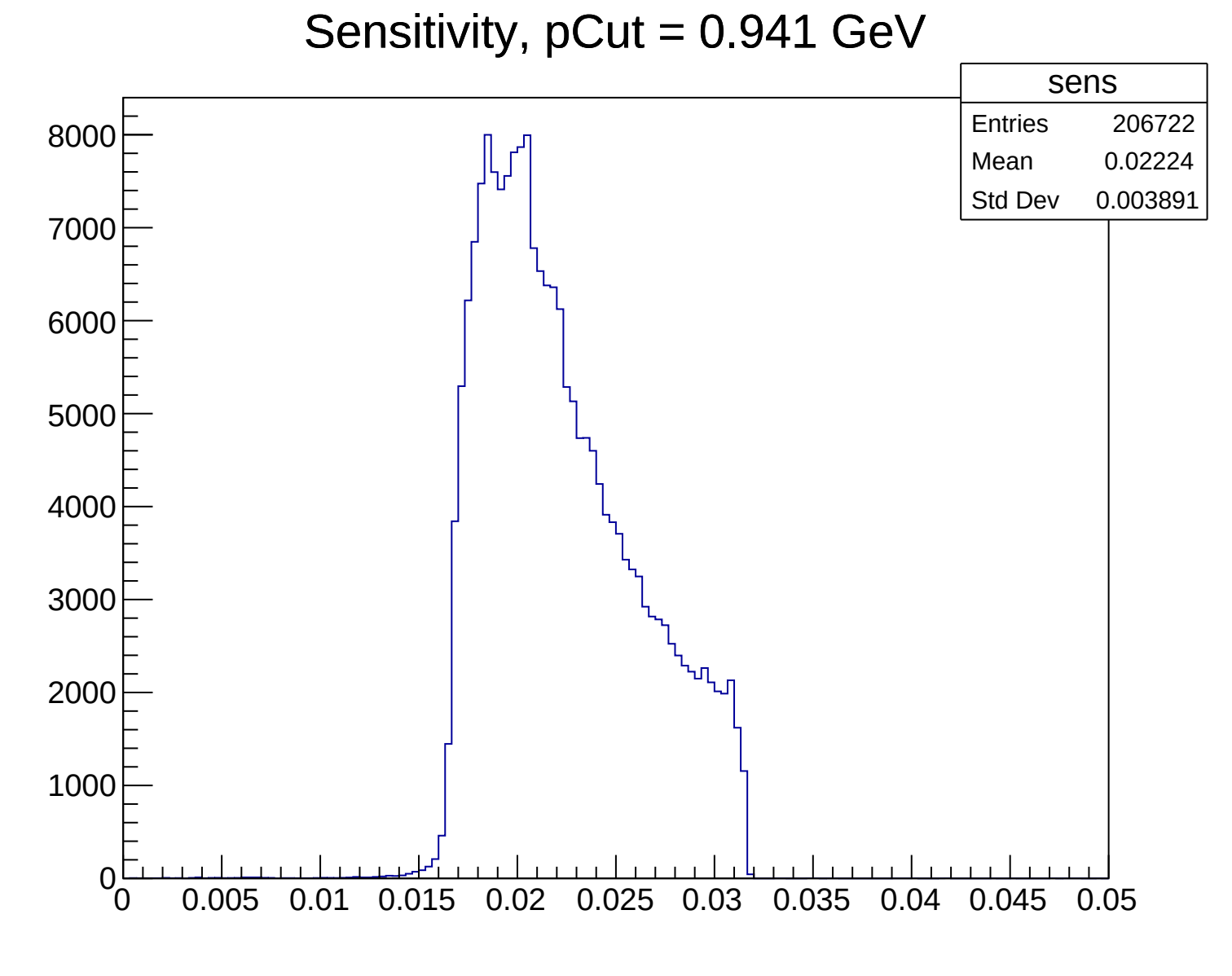

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9410 GeV
R.gold.p (GeV)

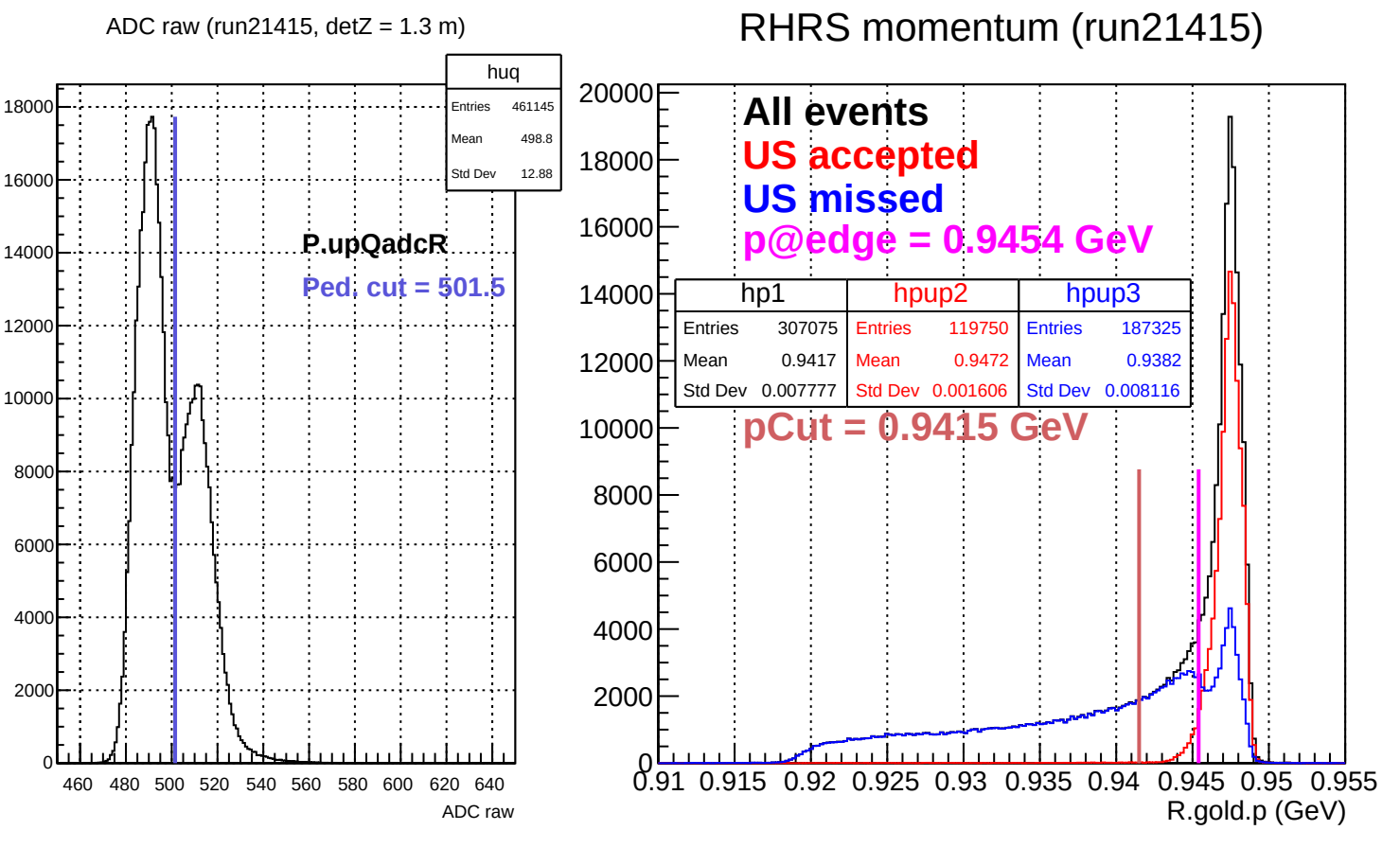

θlab (deg), pCut = 0.941 GeV
Theta
Entries 206722
Mean 4.788
Std Dev 0.454
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

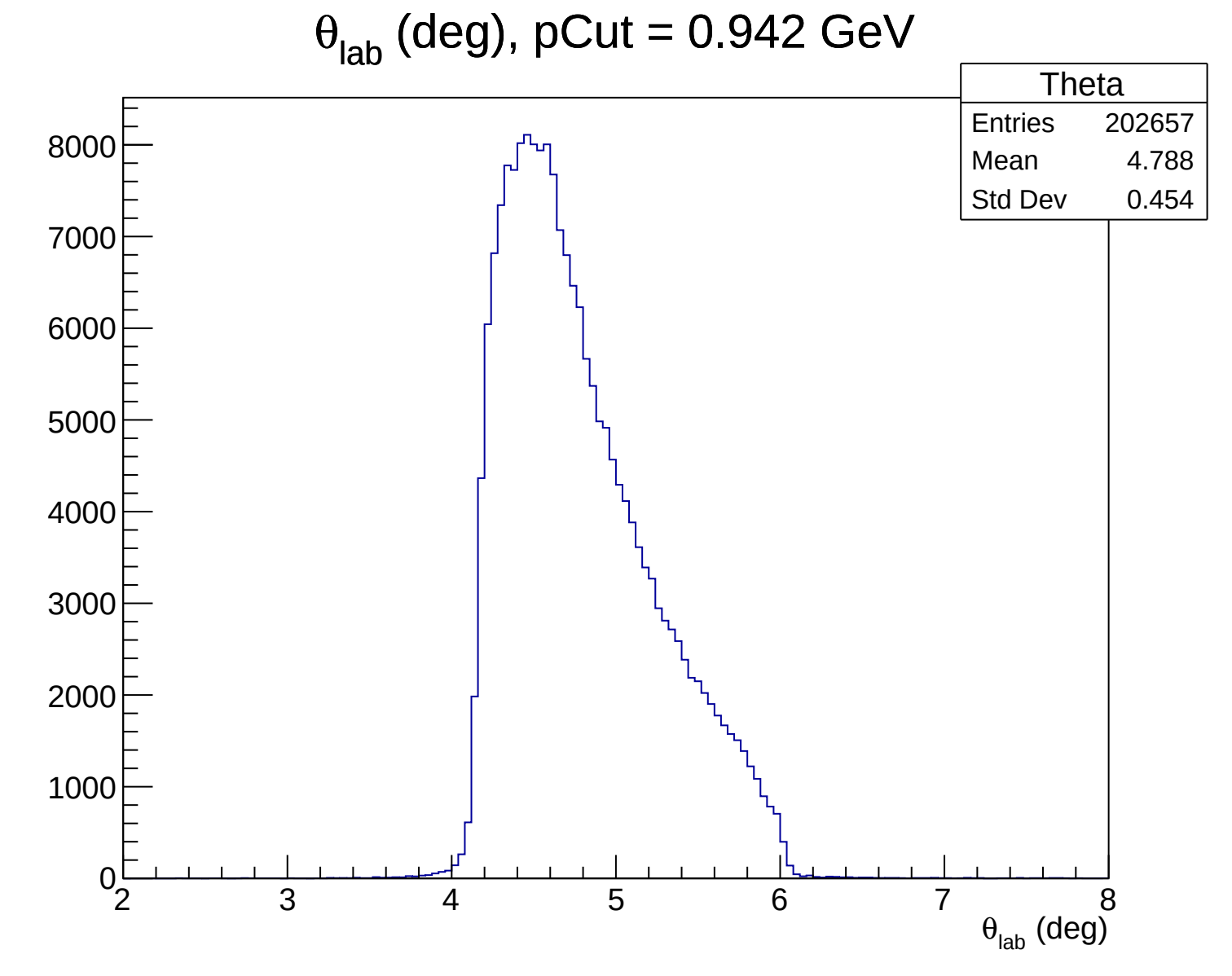

Asymmetry (ppm), pCut = 0.941 GeV
Asym
Entries 206722
Mean 0.5698
Std Dev 0.08287
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

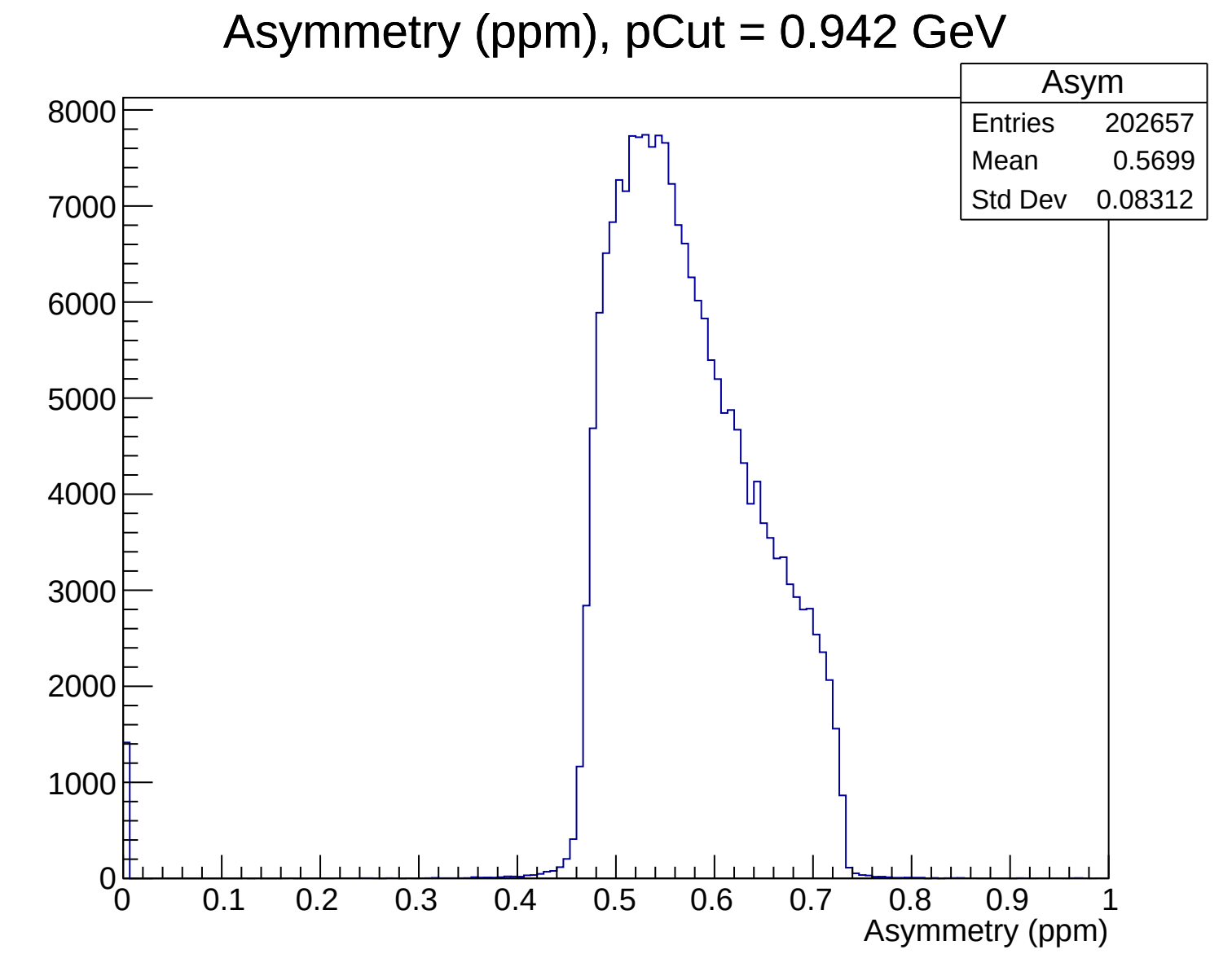

Stretched Asym. (ppm), pCut = 0.941 GeV
SAsym
Entries 206722
Mean 0.5569
Std Dev 0.07914
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

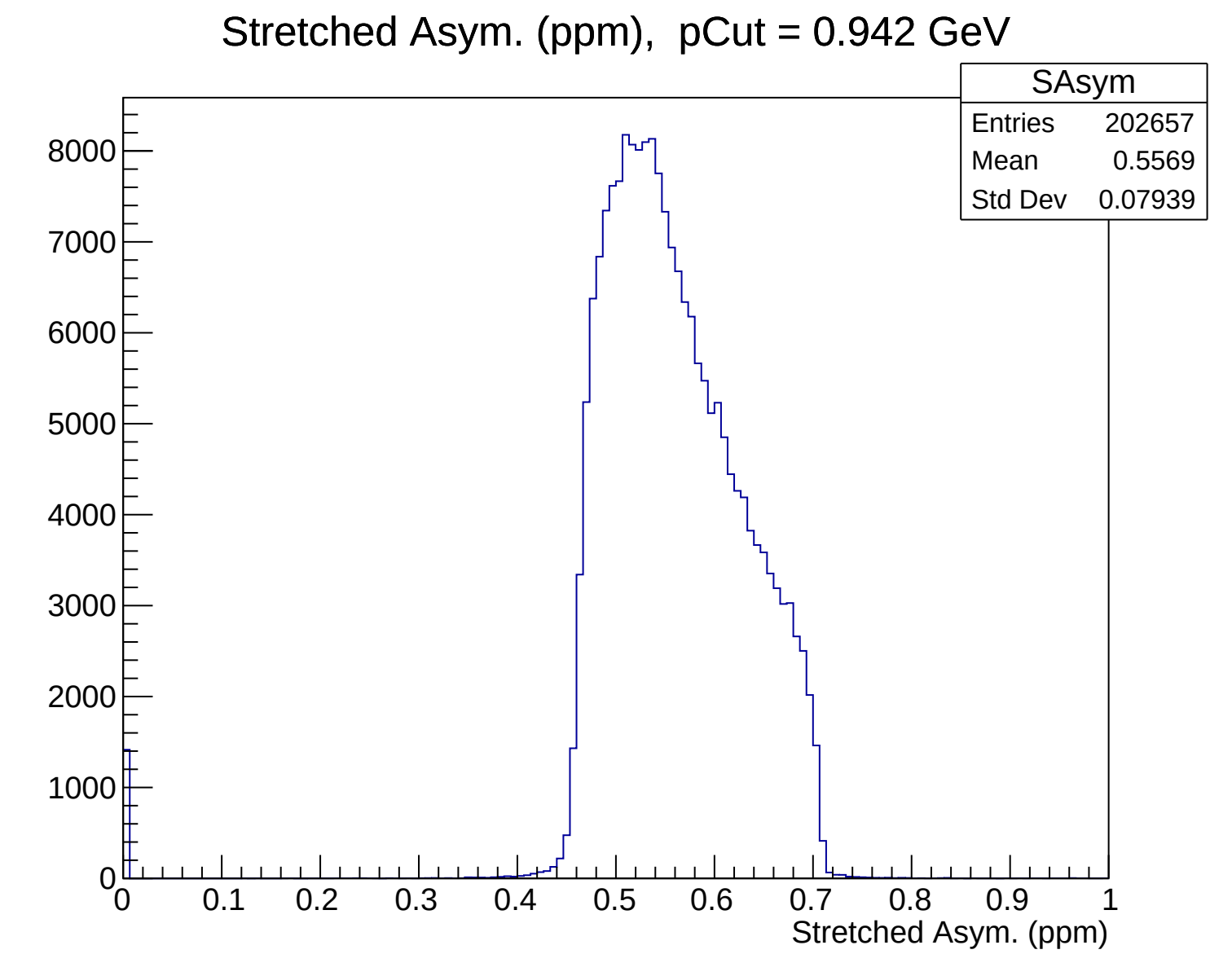

Q^2 (GeV/c)^2, pCut = 0.941 GeV
Q2
Entries 206722
Mean 0.006329
Std Dev 0.001227
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

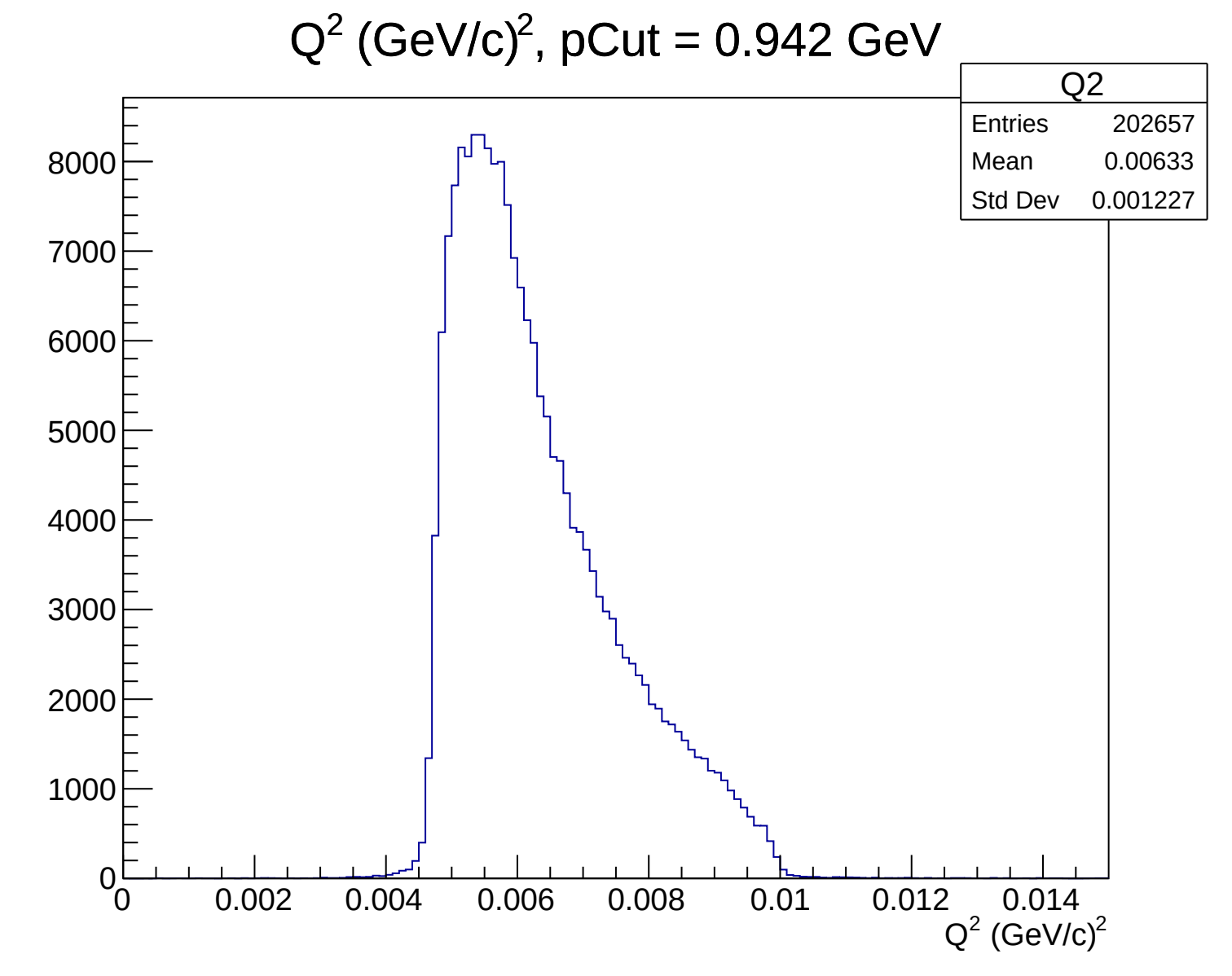

Sensitivity, pCut = 0.941 GeV
sens
Entries 206722
Mean 0.02224
Std Dev 0.003891
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

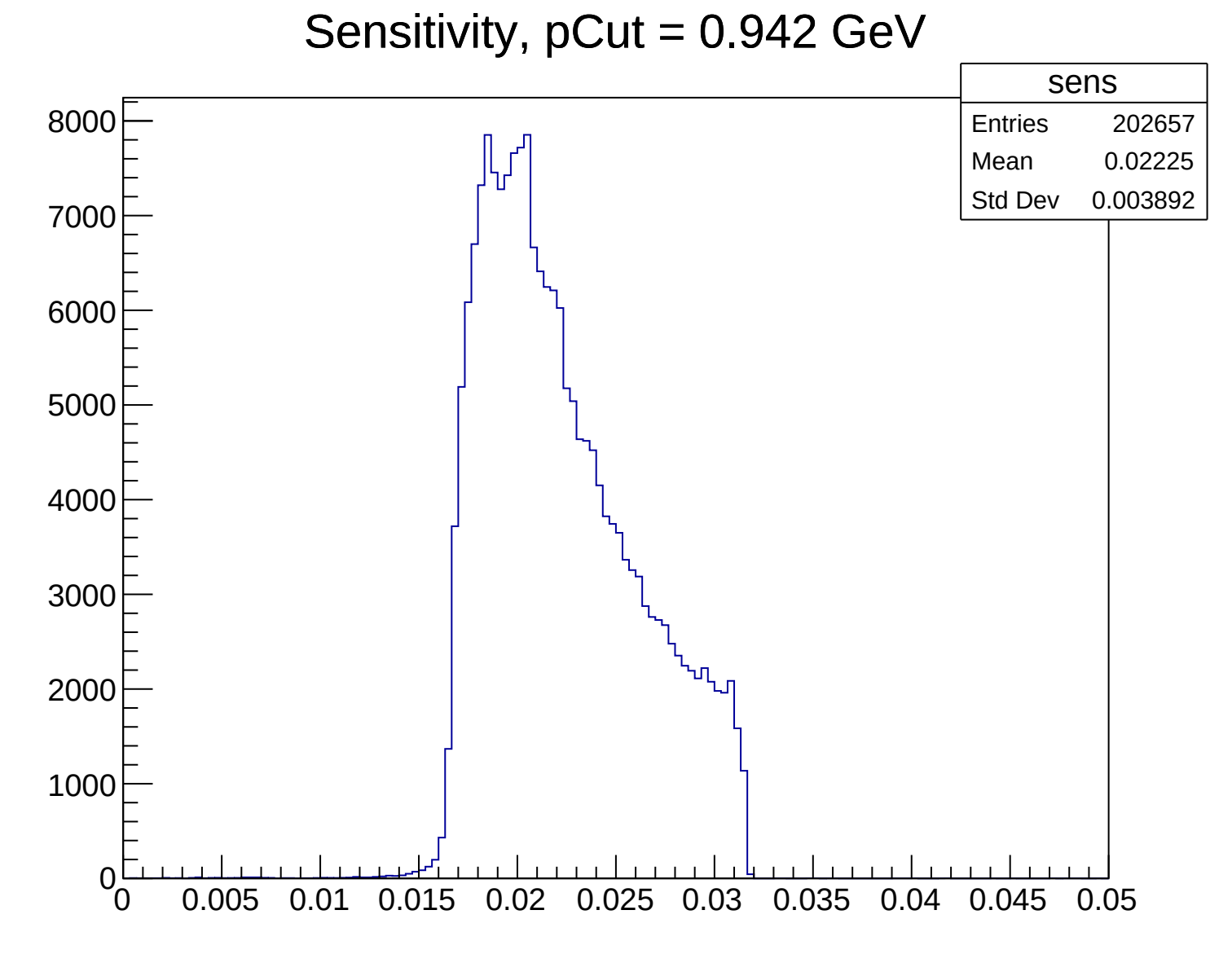

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9415 GeV
R.gold.p (GeV)


θlab (deg), pCut = 0.942 GeV
Theta
Entries 202657
Mean 4.788
Std Dev 0.454
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

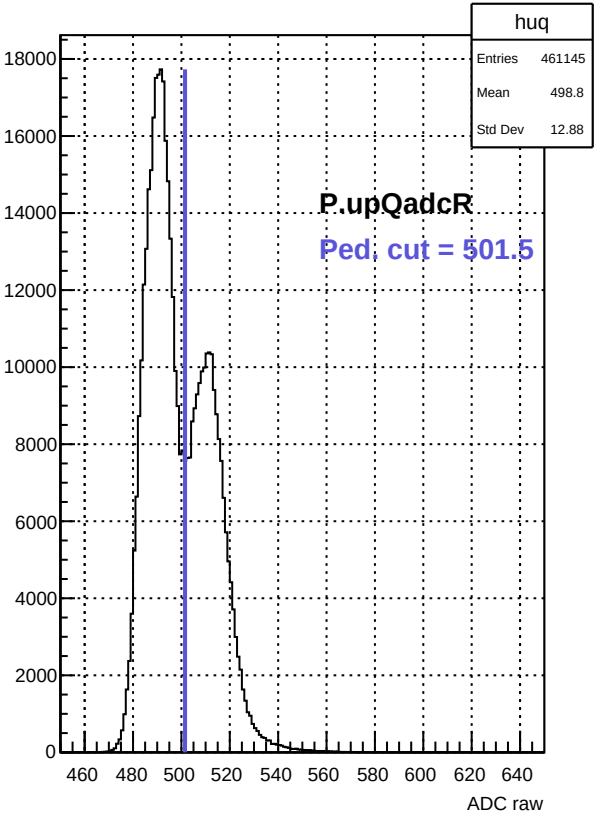

Asymmetry (ppm), pCut = 0.942 GeV
Asym
Entries 202657
Mean 0.5699
Std Dev 0.08312
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.942 GeV
SAsym
Entries 202657
Mean 0.5569
Std Dev 0.07939
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

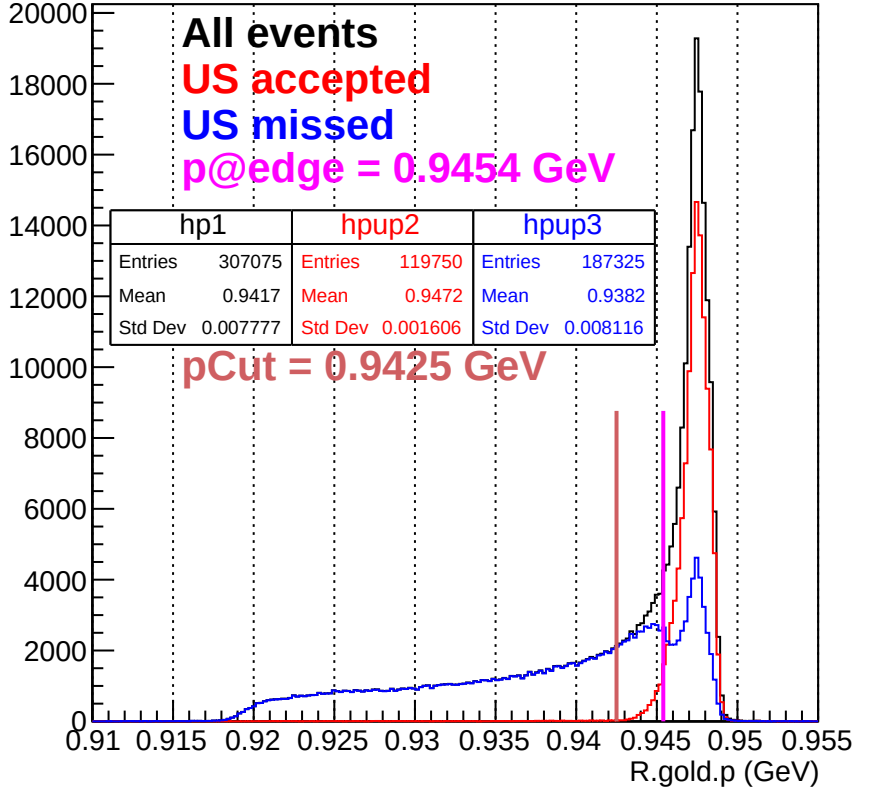

Q^2 (GeV/c)^2, pCut = 0.942 GeV
Q2
Entries 202657
Mean 0.00633
Std Dev 0.001227
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

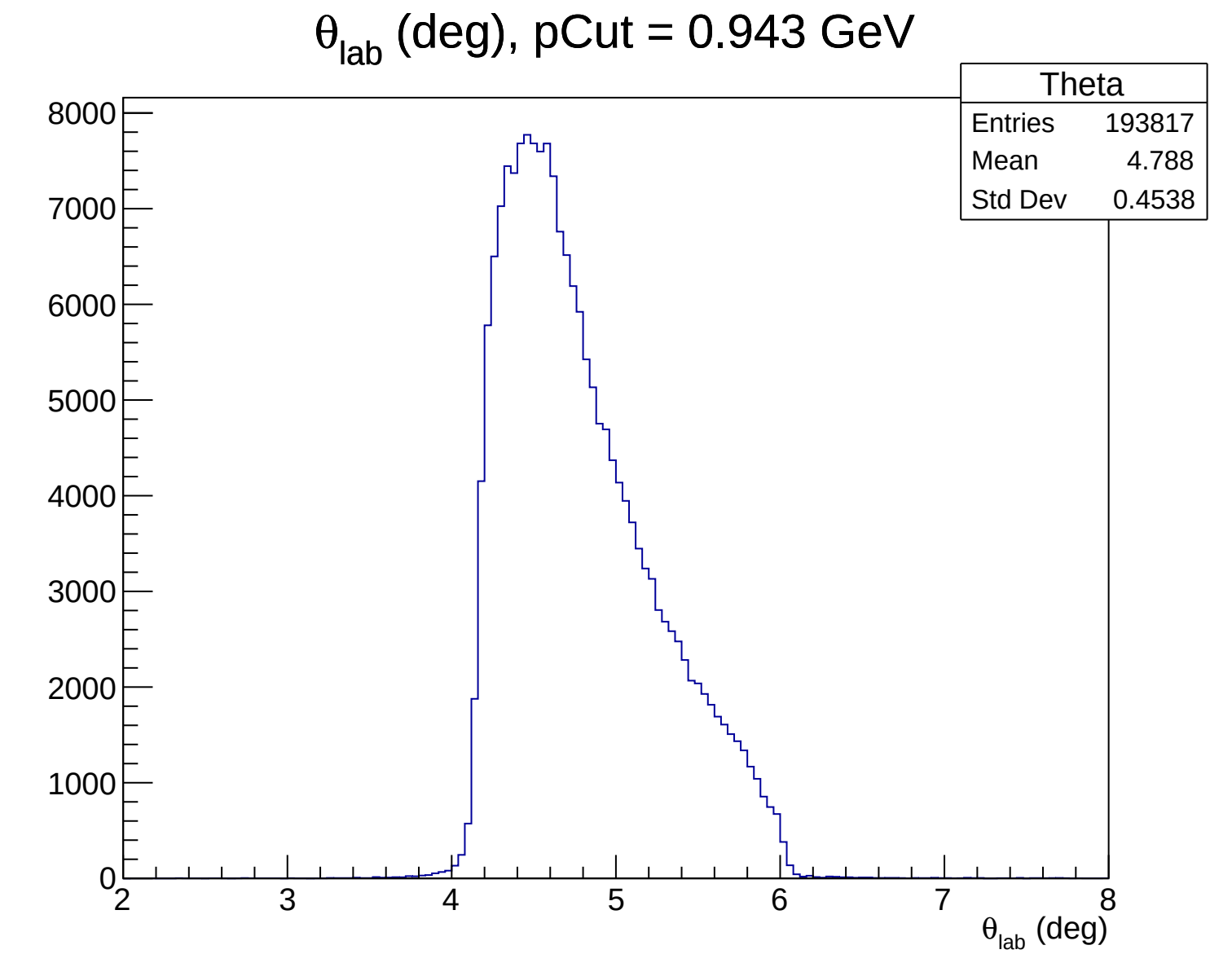

Sensitivity, pCut = 0.942 GeV
sens
Entries 202657
Mean 0.02225
Std Dev 0.003892
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

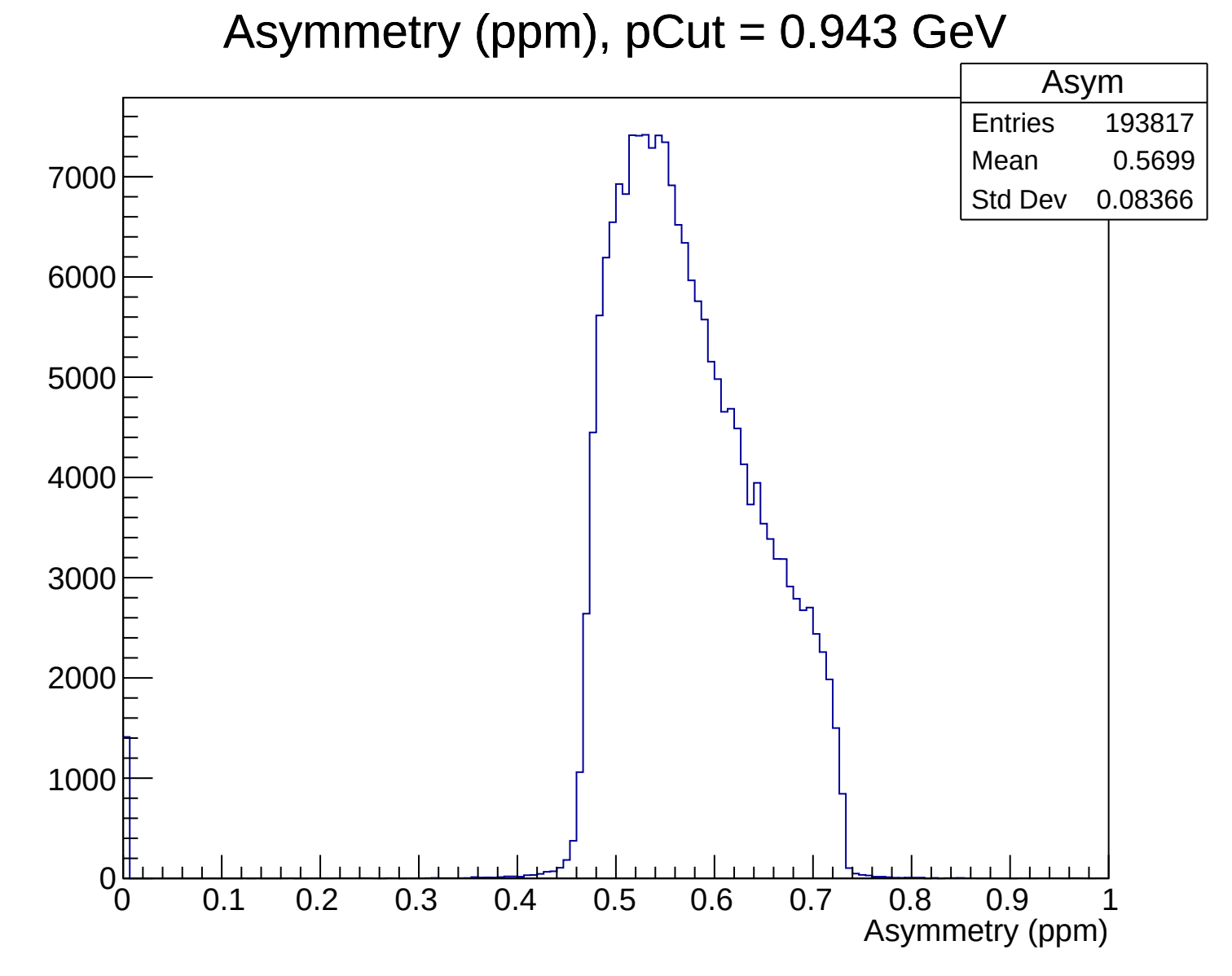
ADC raw (run21415, detZ = 1.3 m)

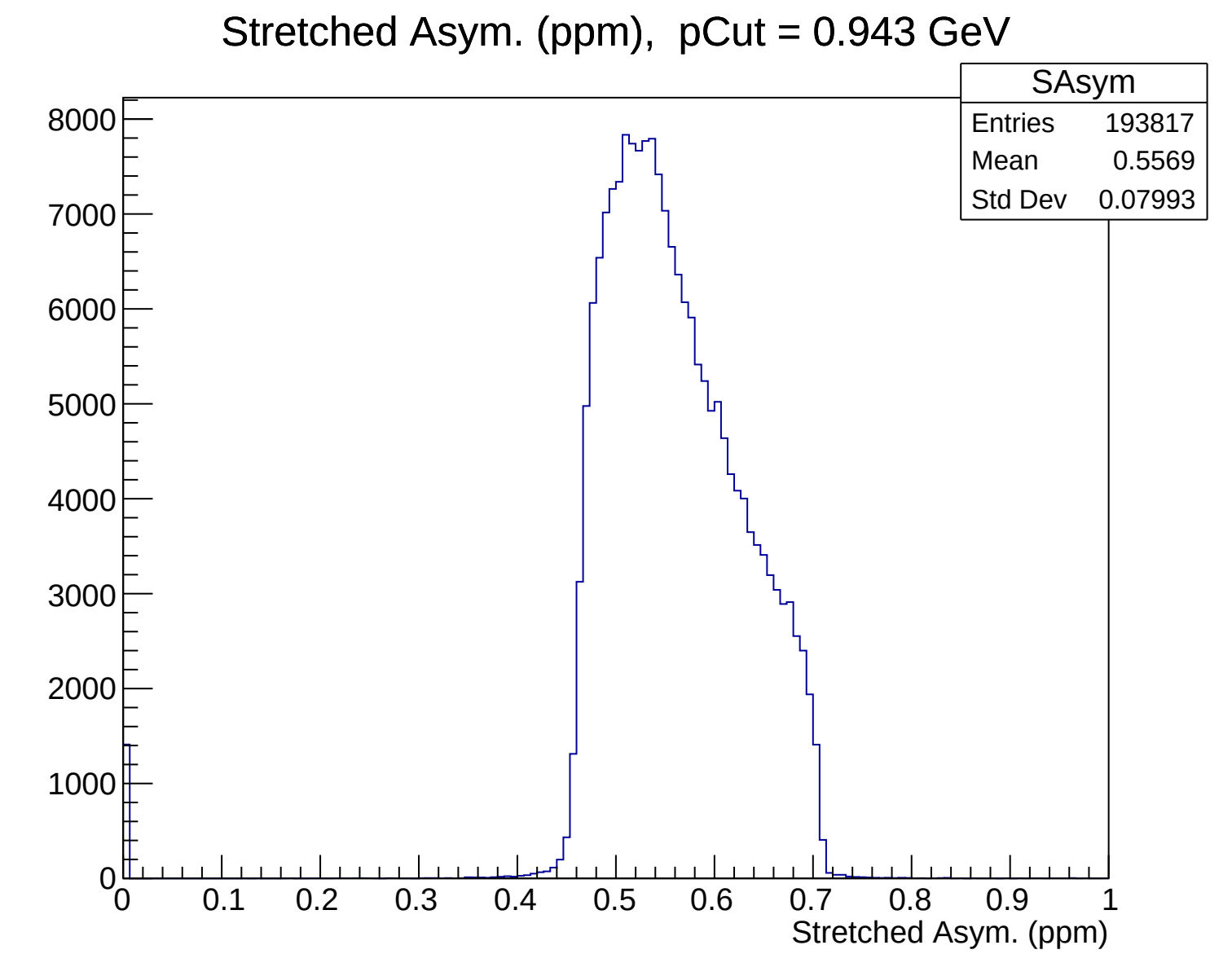


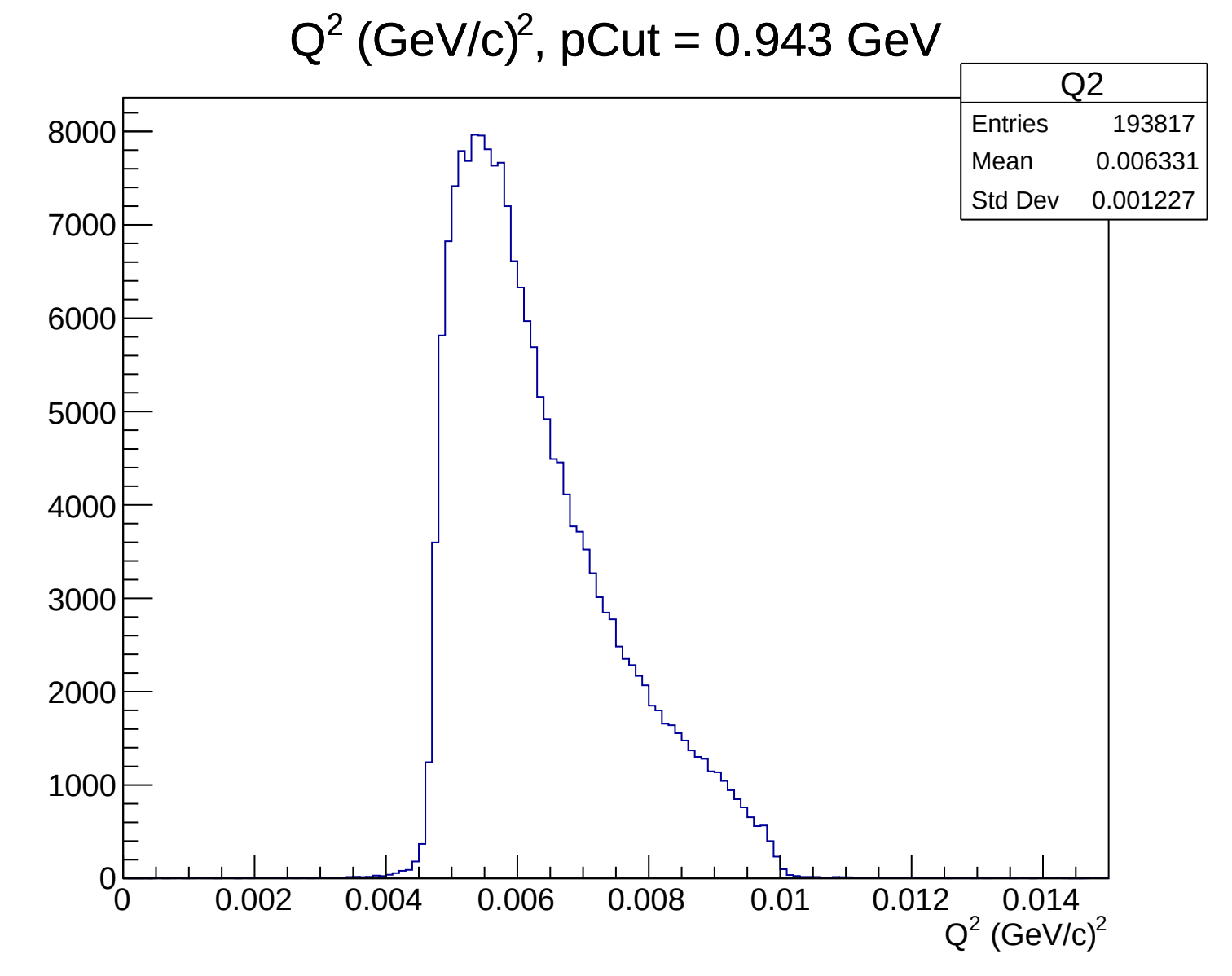
RHRS momentum (run21415)

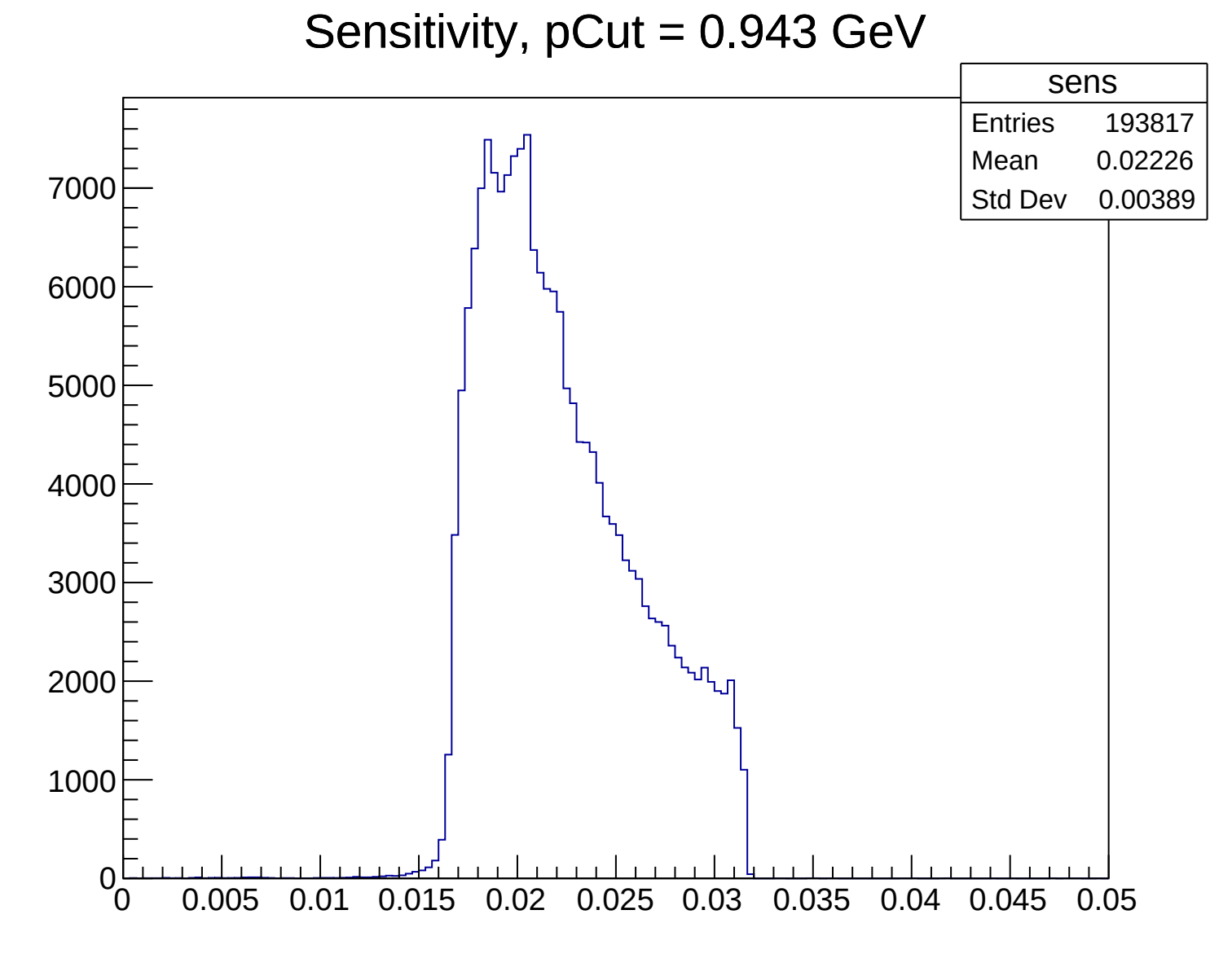



θlab (deg), pCut = 0.943 GeV
Theta
Entries 193817
Mean 4.788
Std Dev 0.4538
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

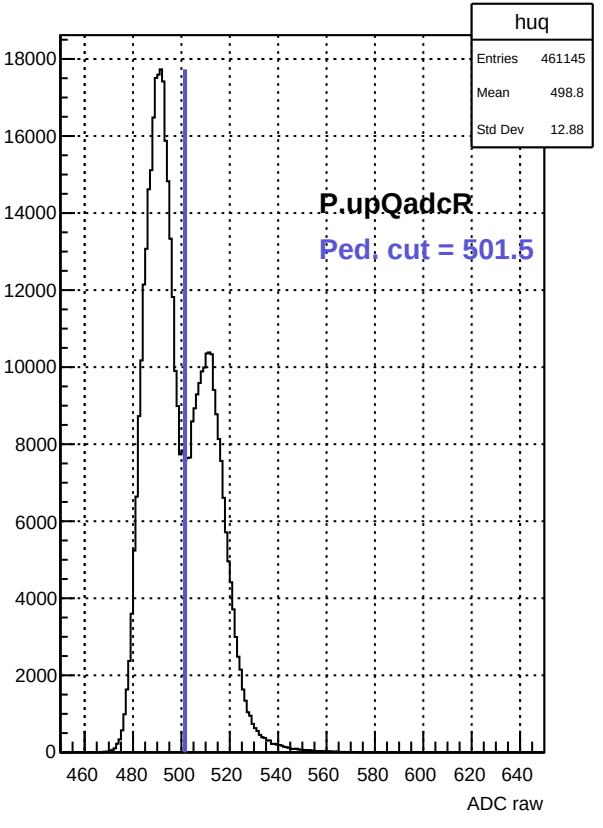

Asymmetry (ppm), pCut = 0.943 GeV
Asym
Entries 193817
Mean 0.5699
Std Dev 0.08366
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.943 GeV
SAsym
Entries 193817
Mean 0.5569
Std Dev 0.07993
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

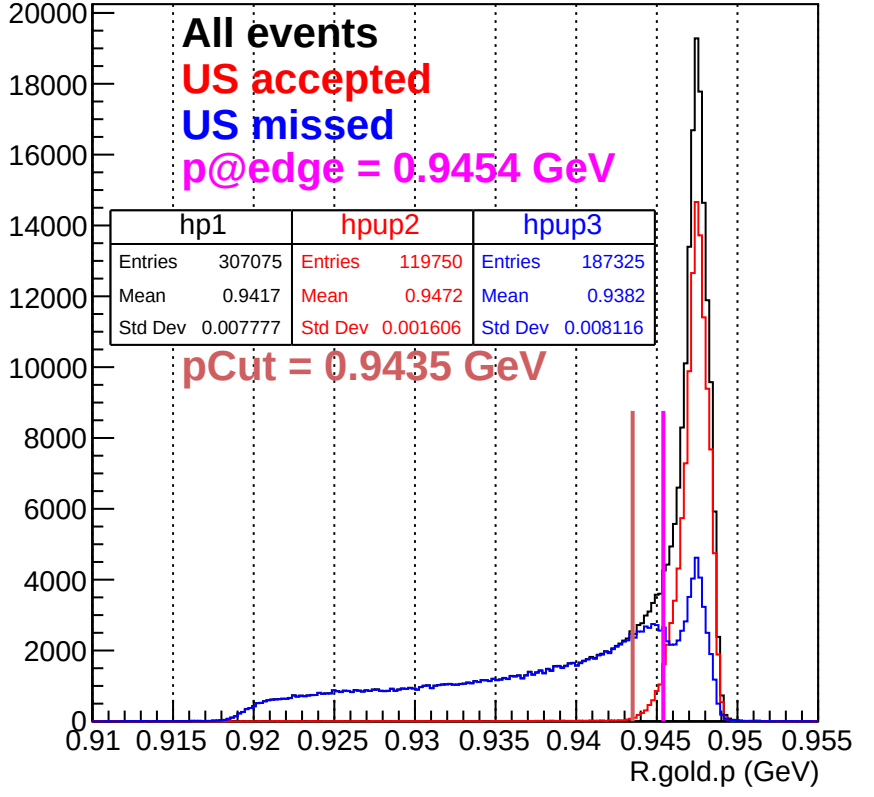

Q^2 (GeV/c)^2, pCut = 0.943 GeV
Q2
Entries 193817
Mean 0.006331
Std Dev 0.001227
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

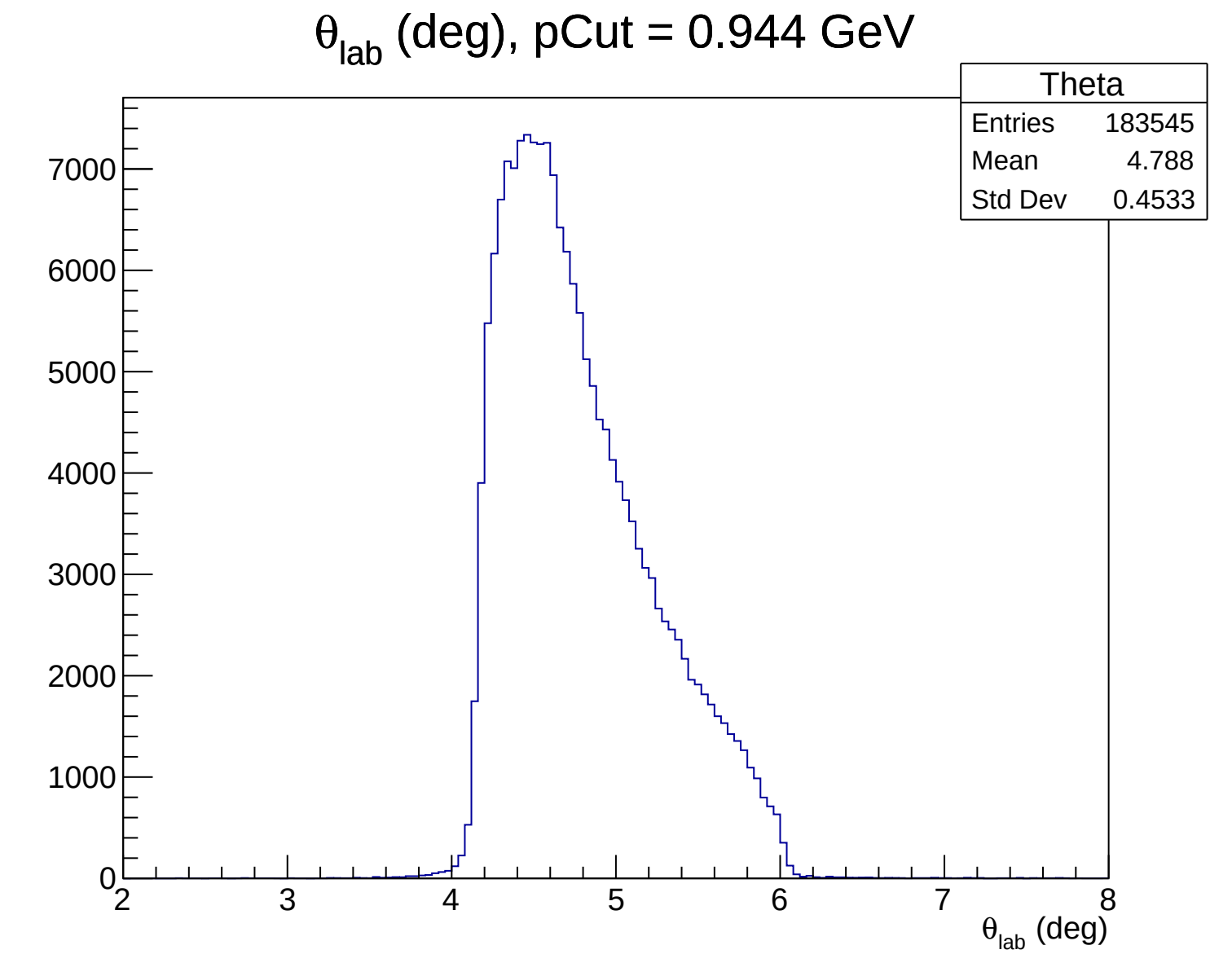

Sensitivity, pCut = 0.943 GeV
sens
Entries 193817
Mean 0.02226
Std Dev 0.00389
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

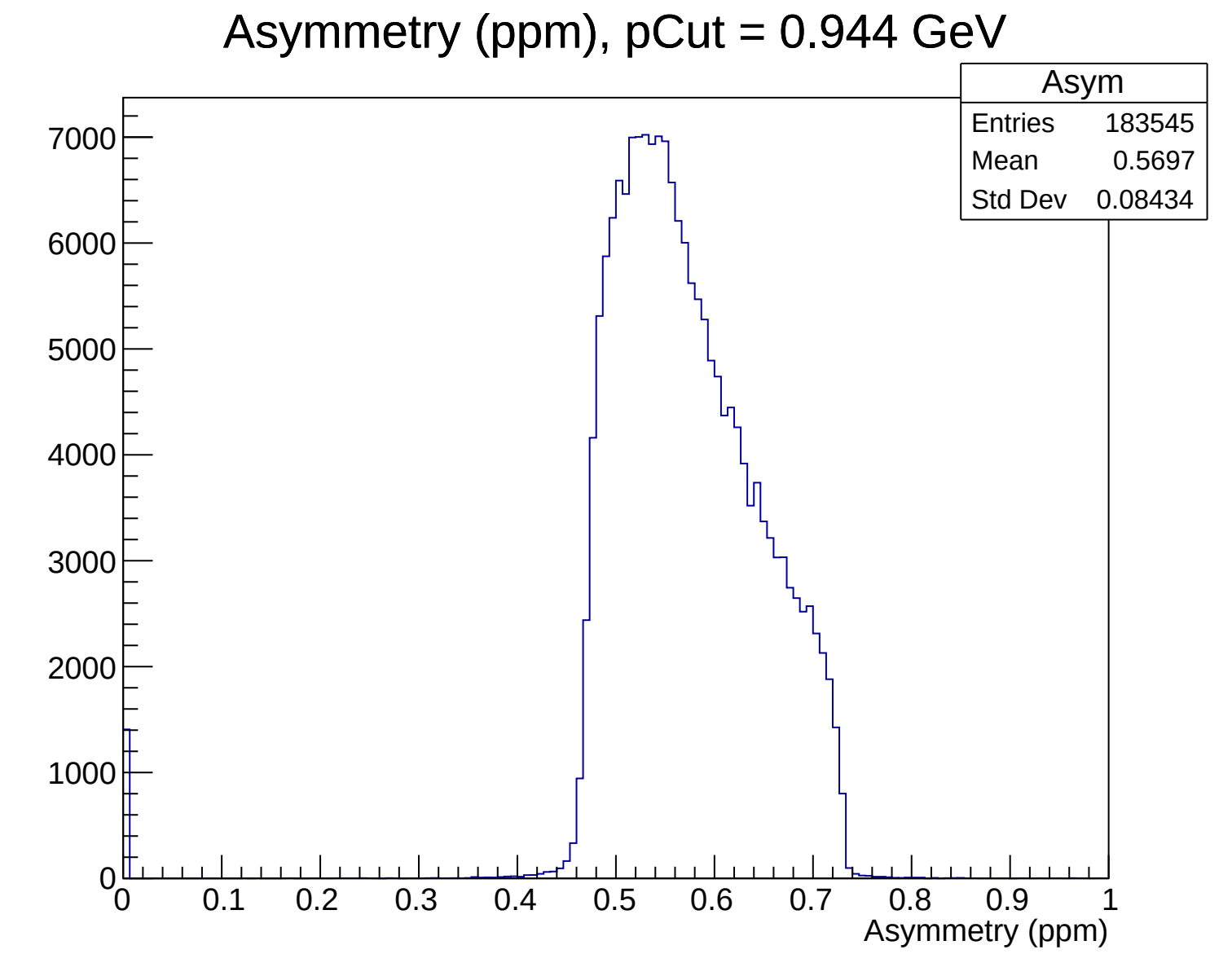
ADC raw (run21415, detZ = 1.3 m)

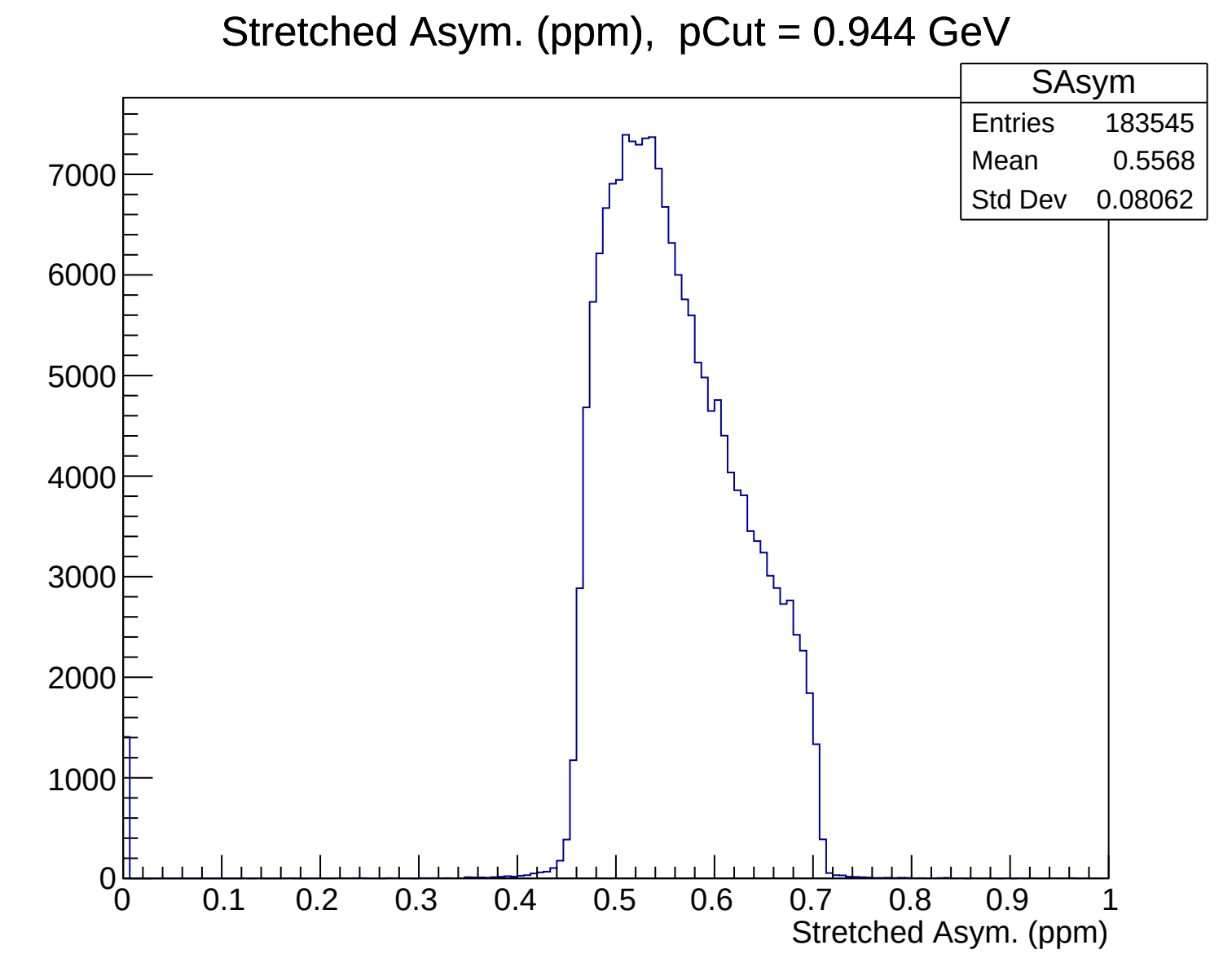


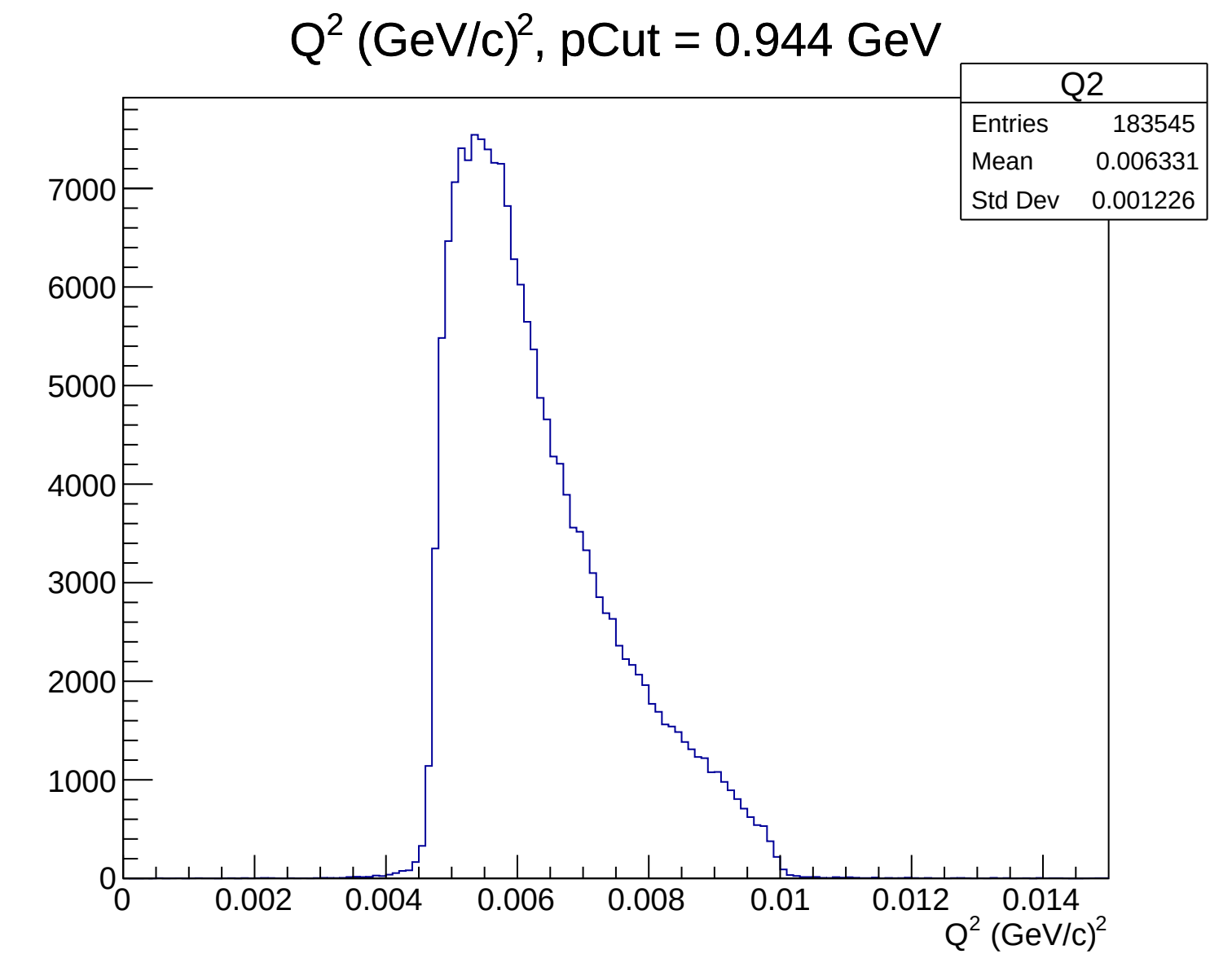
RHRS momentum (run21415)

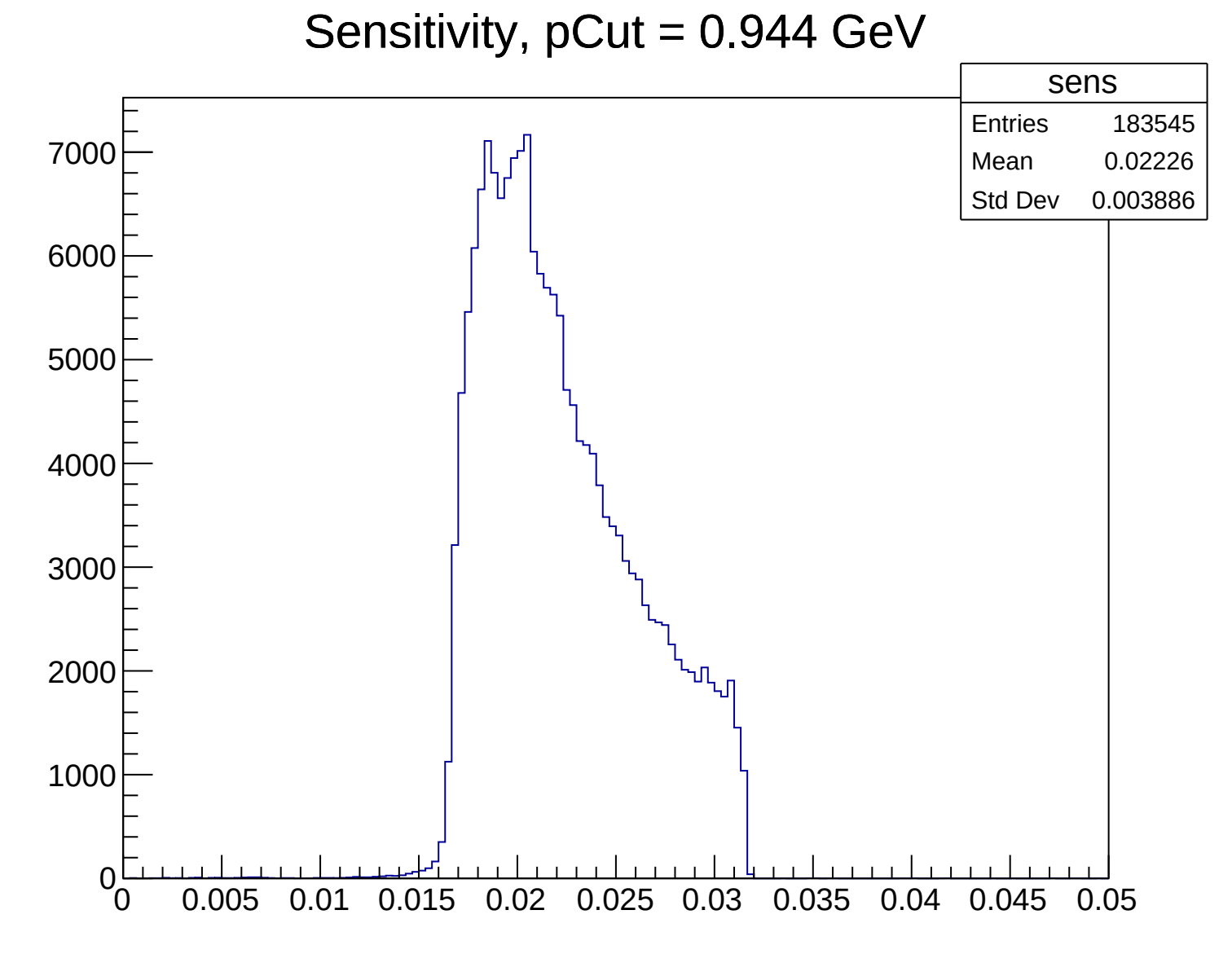



θlab (deg), pCut = 0.944 GeV
Theta
Entries 183545
Mean 4.788
Std Dev 0.4533
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

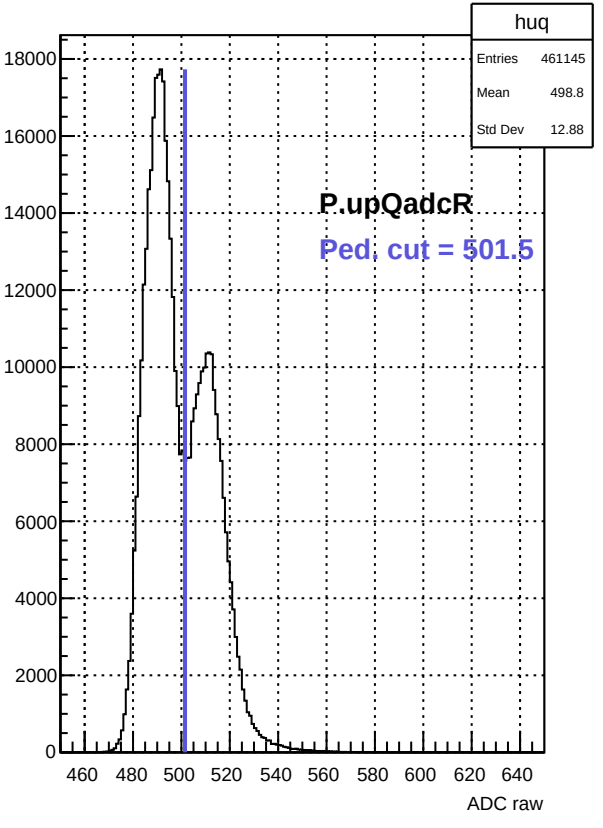

Asymmetry (ppm), pCut = 0.944 GeV
Asym
Entries 183545
Mean 0.5697
Std Dev 0.08434
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.944 GeV
SAsym
Entries 183545
Mean 0.5568
Std Dev 0.08062
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

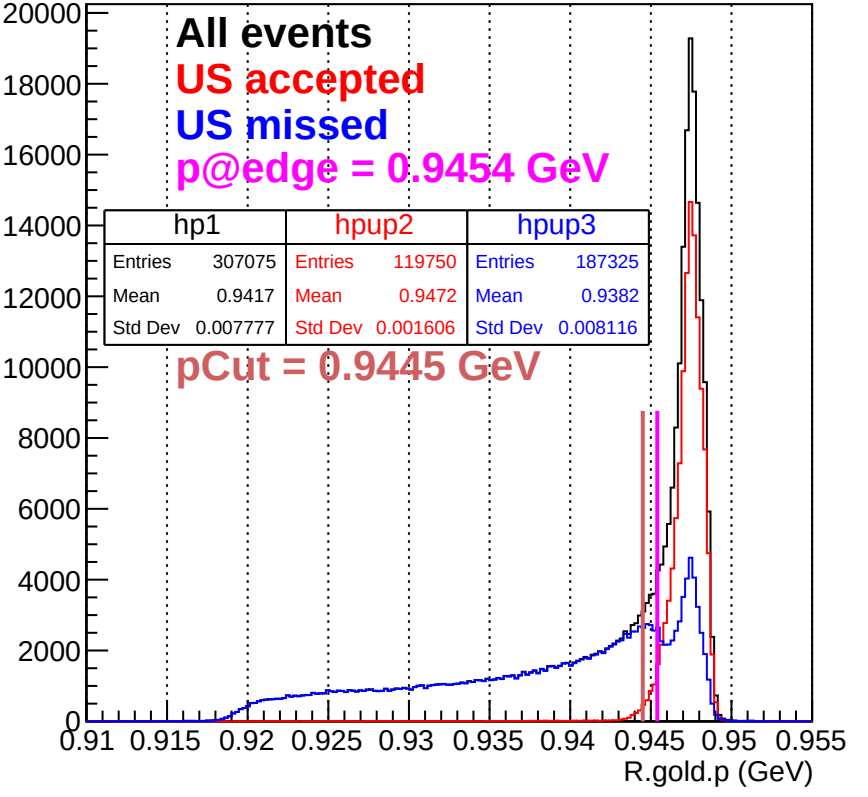

Q^2 (GeV/c)^2, pCut = 0.944 GeV
Q2
Entries 183545
Mean 0.006331
Std Dev 0.001226
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

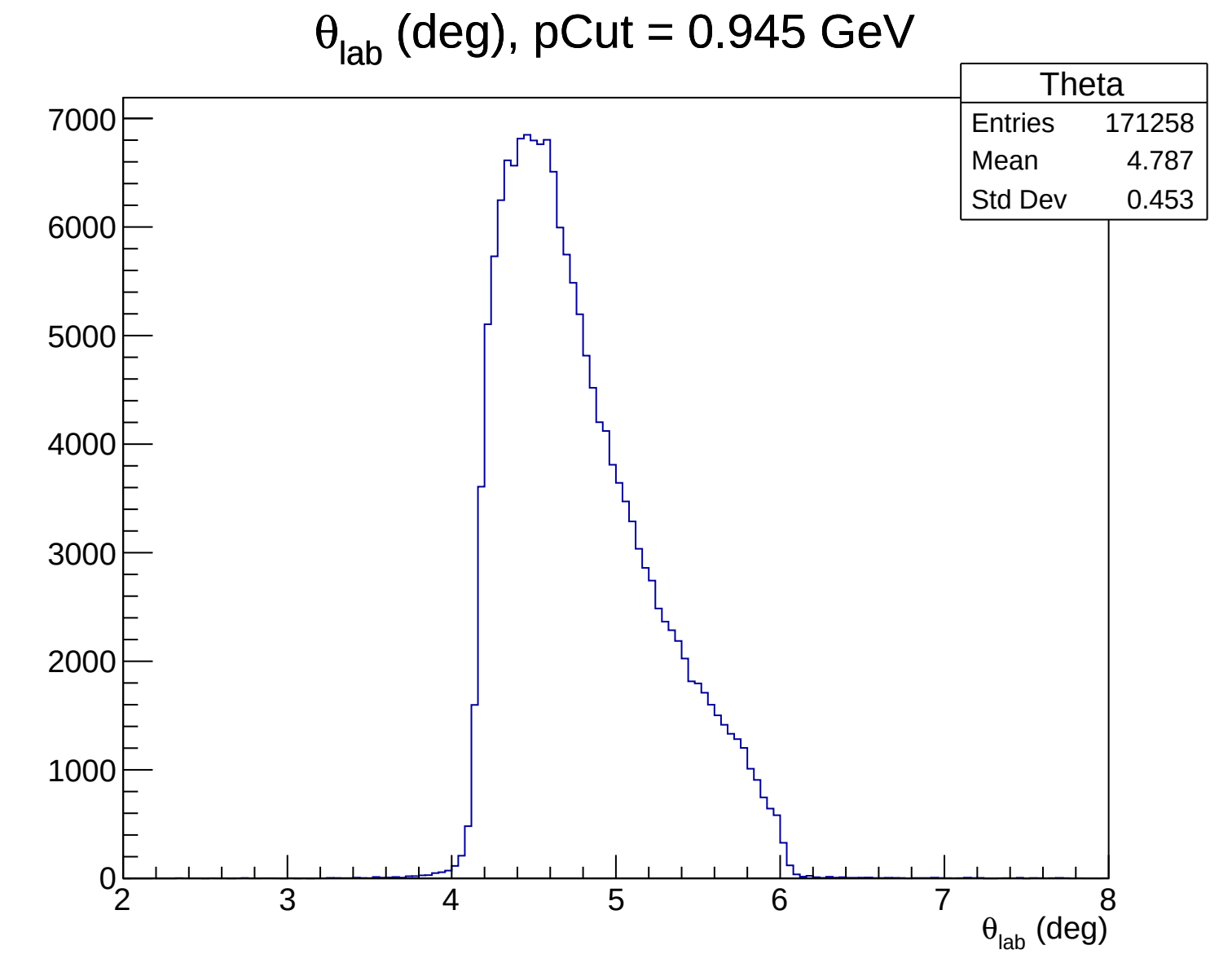

Sensitivity, pCut = 0.944 GeV
sens
Entries 183545
Mean 0.02226
Std Dev 0.003886
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

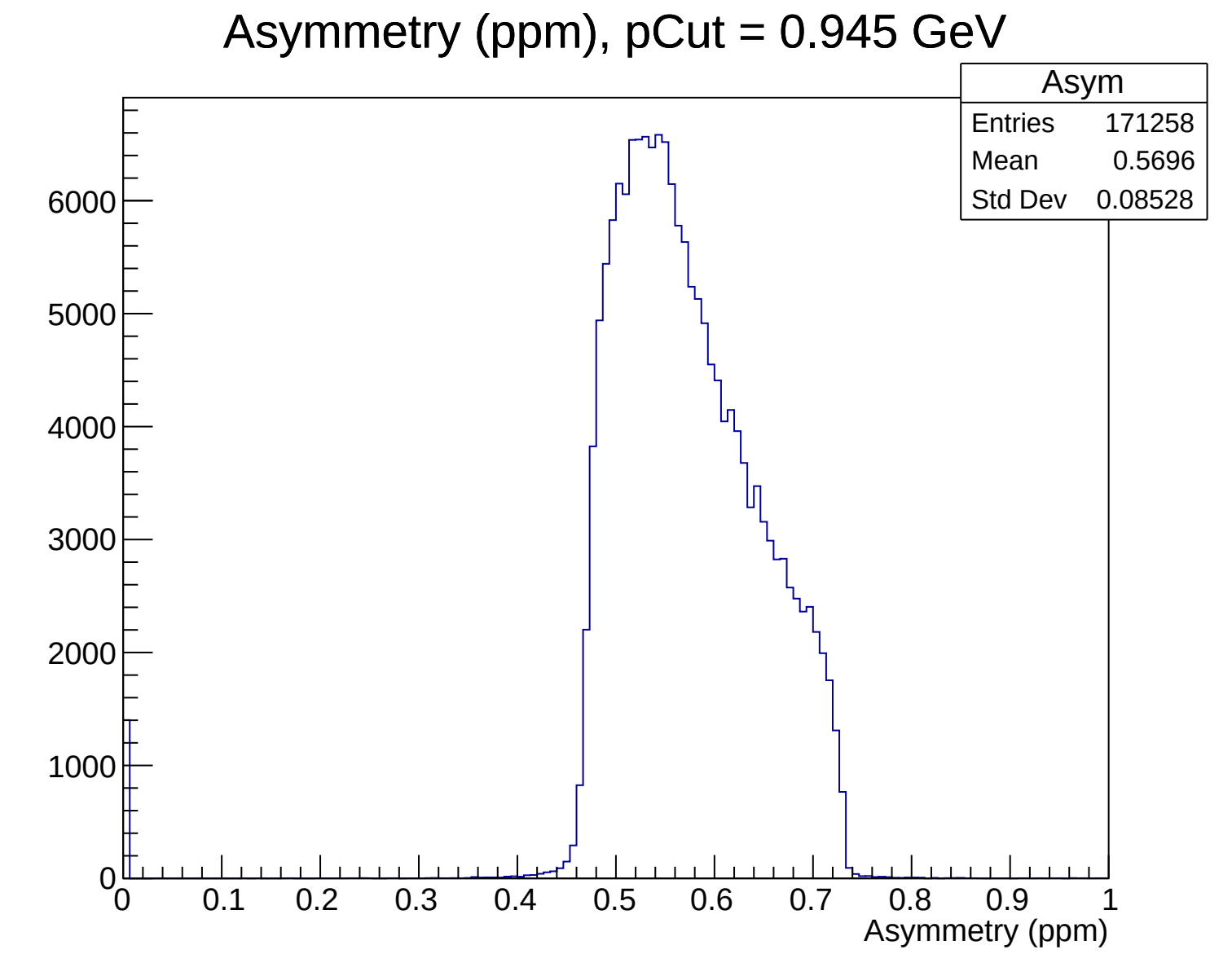
ADC raw (run21415, detZ = 1.3 m)

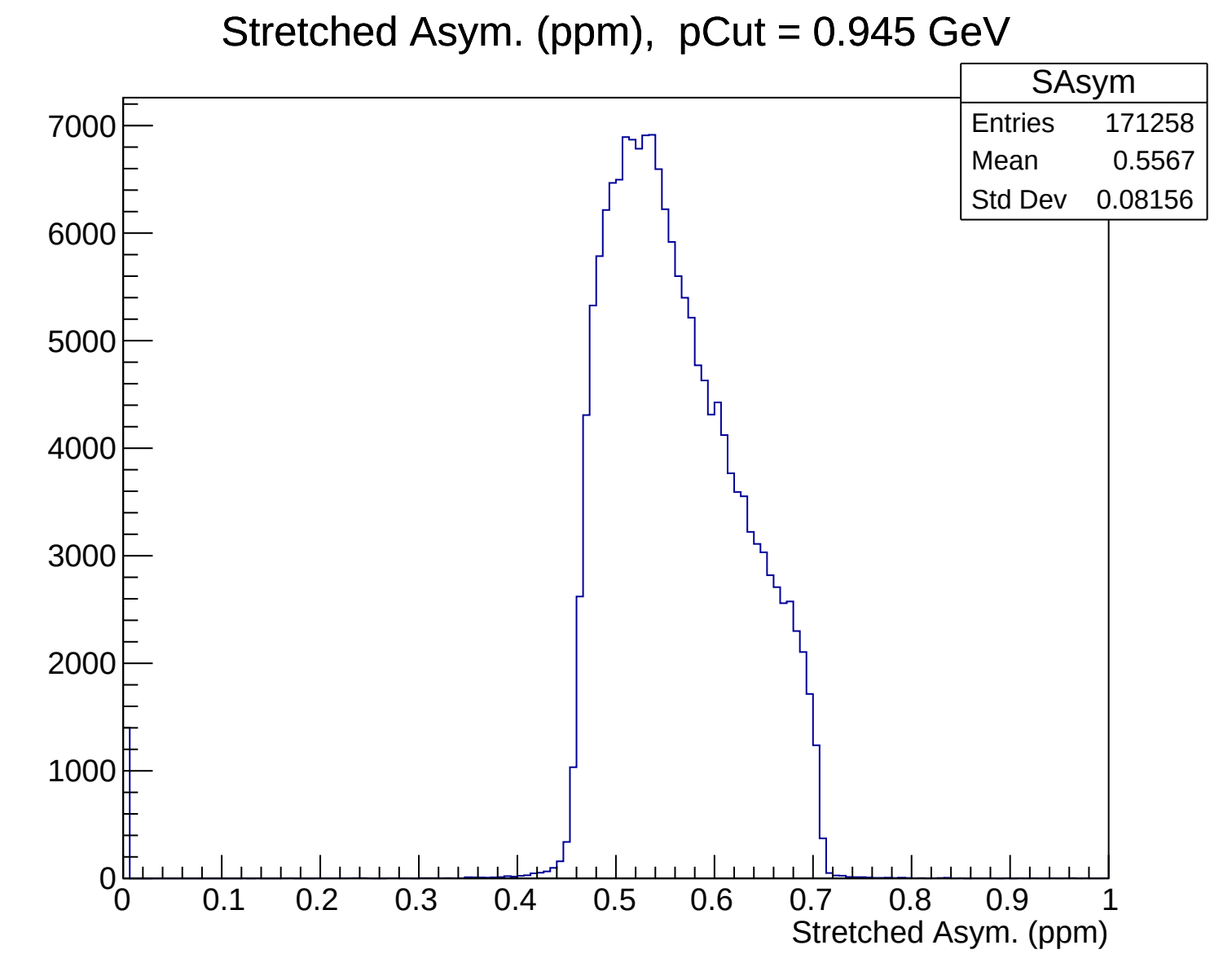


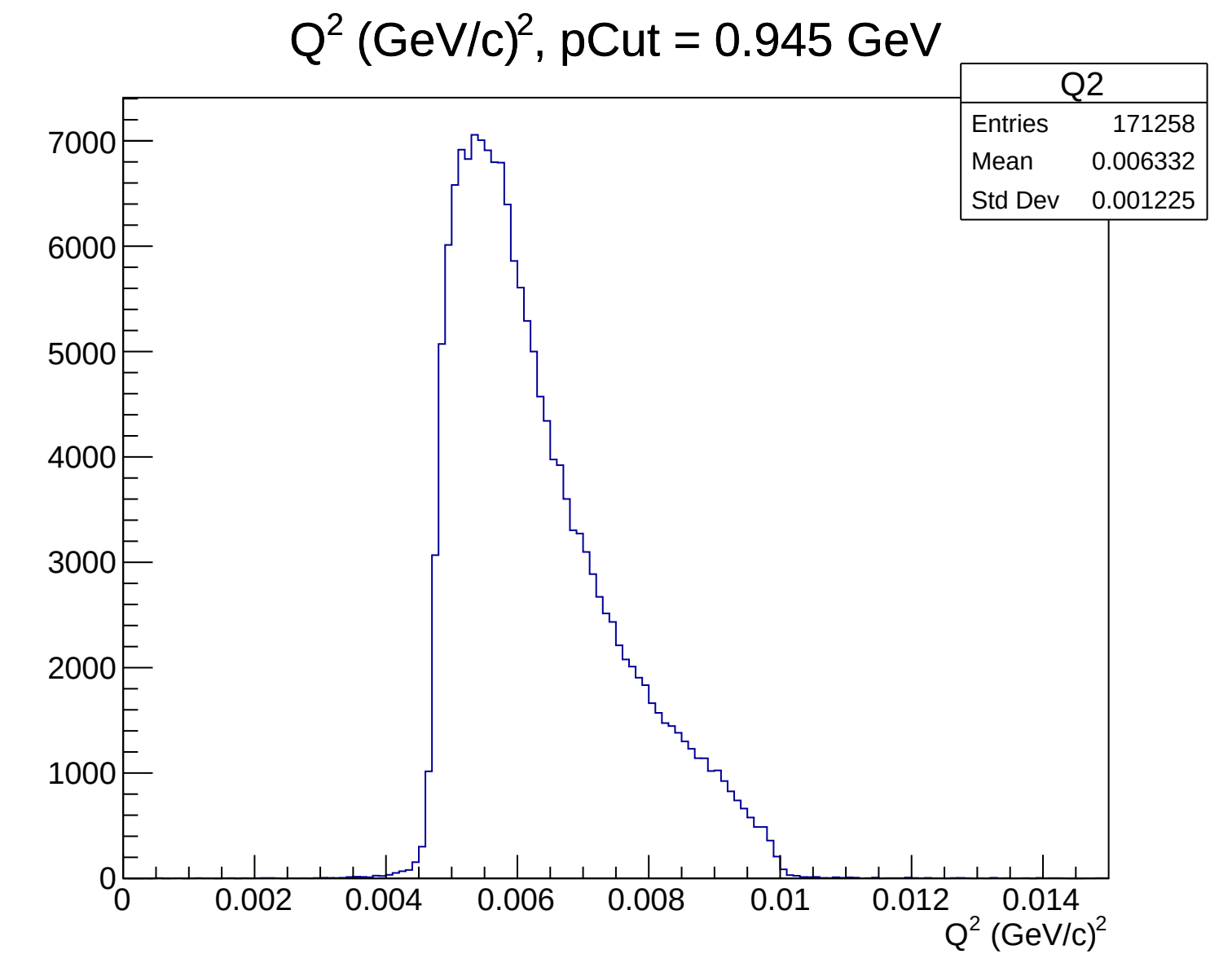
RHRS momentum (run21415)

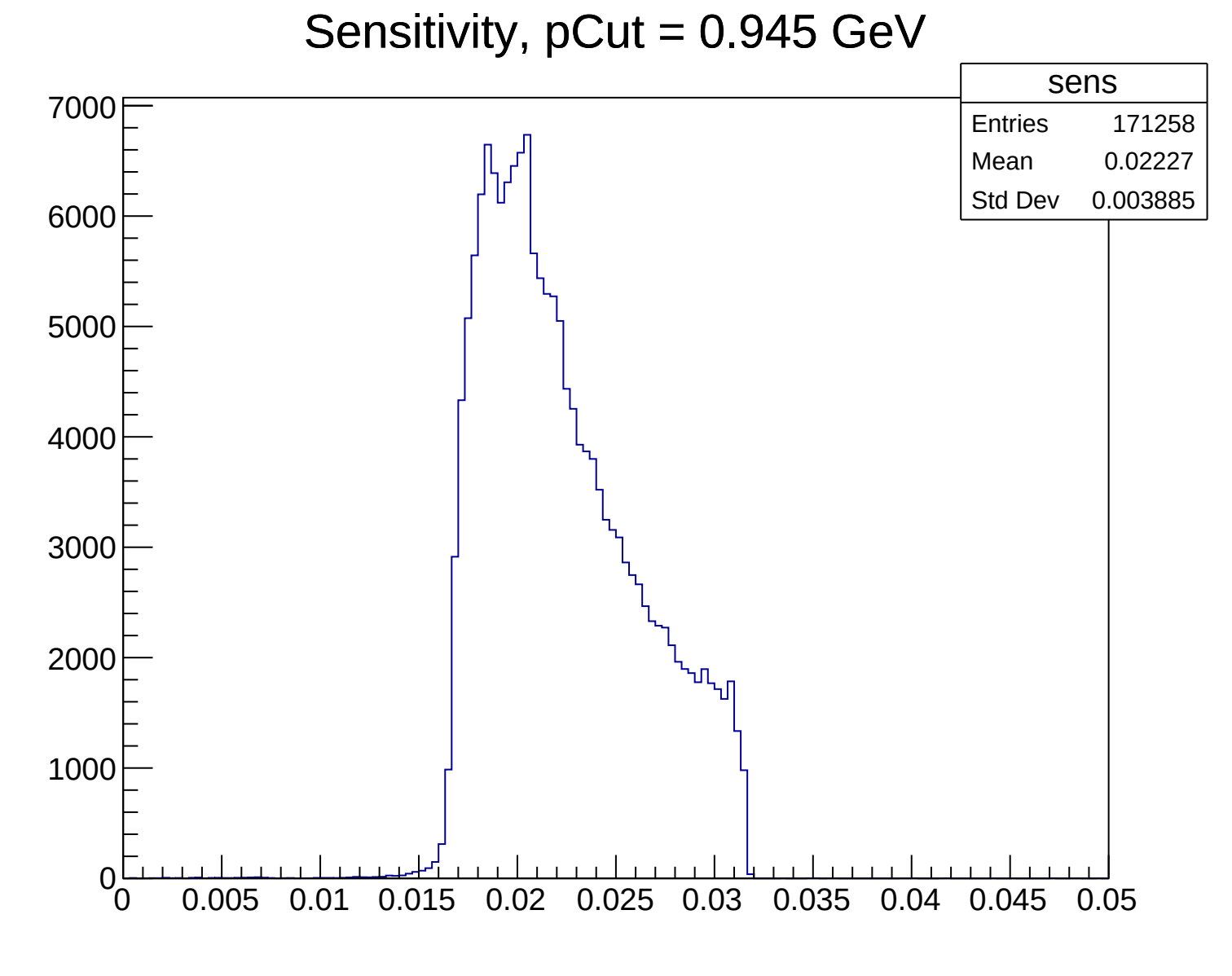



θlab (deg), pCut = 0.945 GeV
Theta
Entries 171258
Mean 4.787
Std Dev 0.453
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

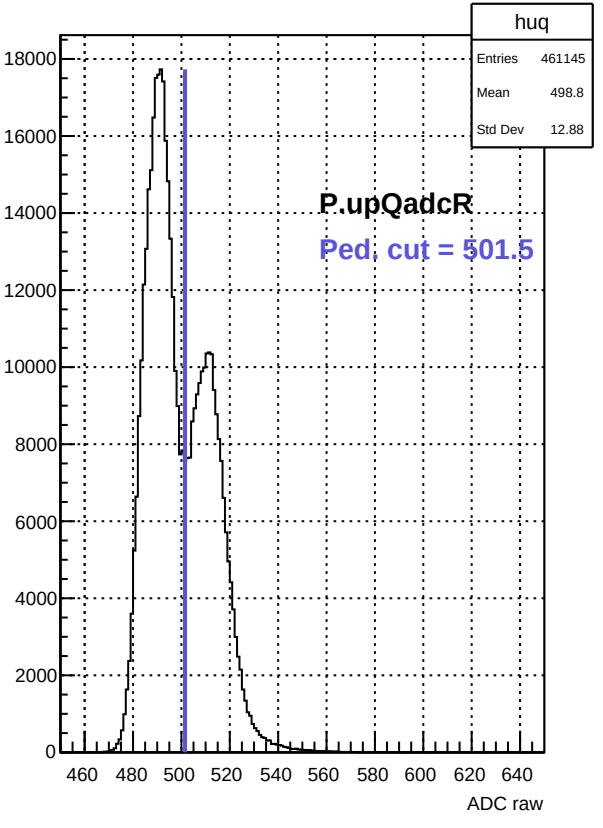

Asymmetry (ppm), pCut = 0.945 GeV
Asym
Entries 171258
Mean 0.5696
Std Dev 0.08528
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.945 GeV
SAsym
Entries 171258
Mean 0.5567
Std Dev 0.08156
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

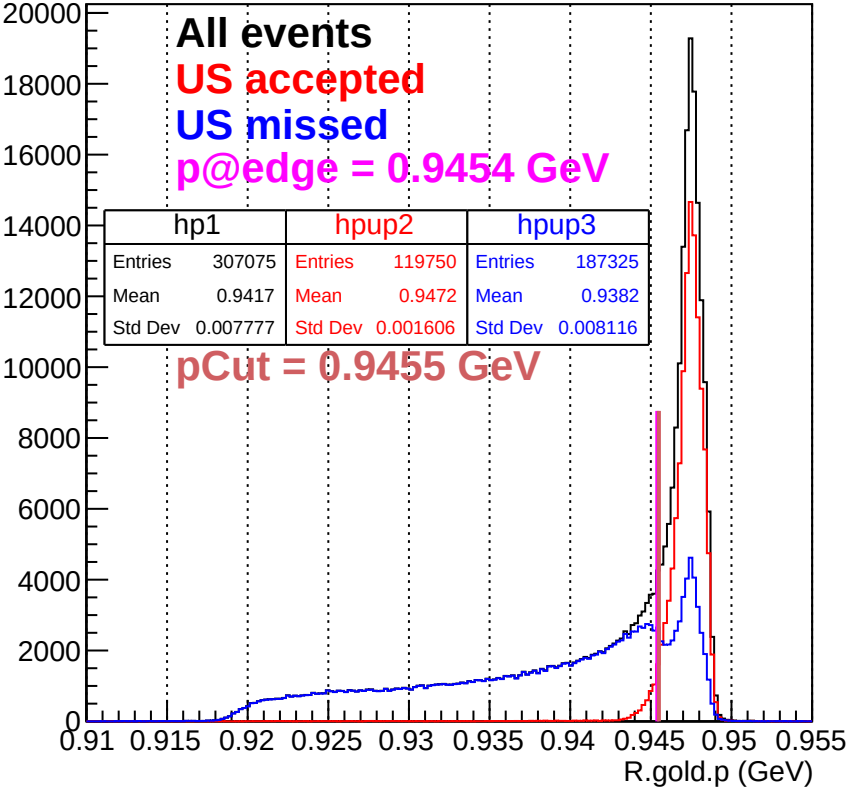

Q^2 (GeV/c)^2, pCut = 0.945 GeV
Q2
Entries 171258
Mean 0.006332
Std Dev 0.001225
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

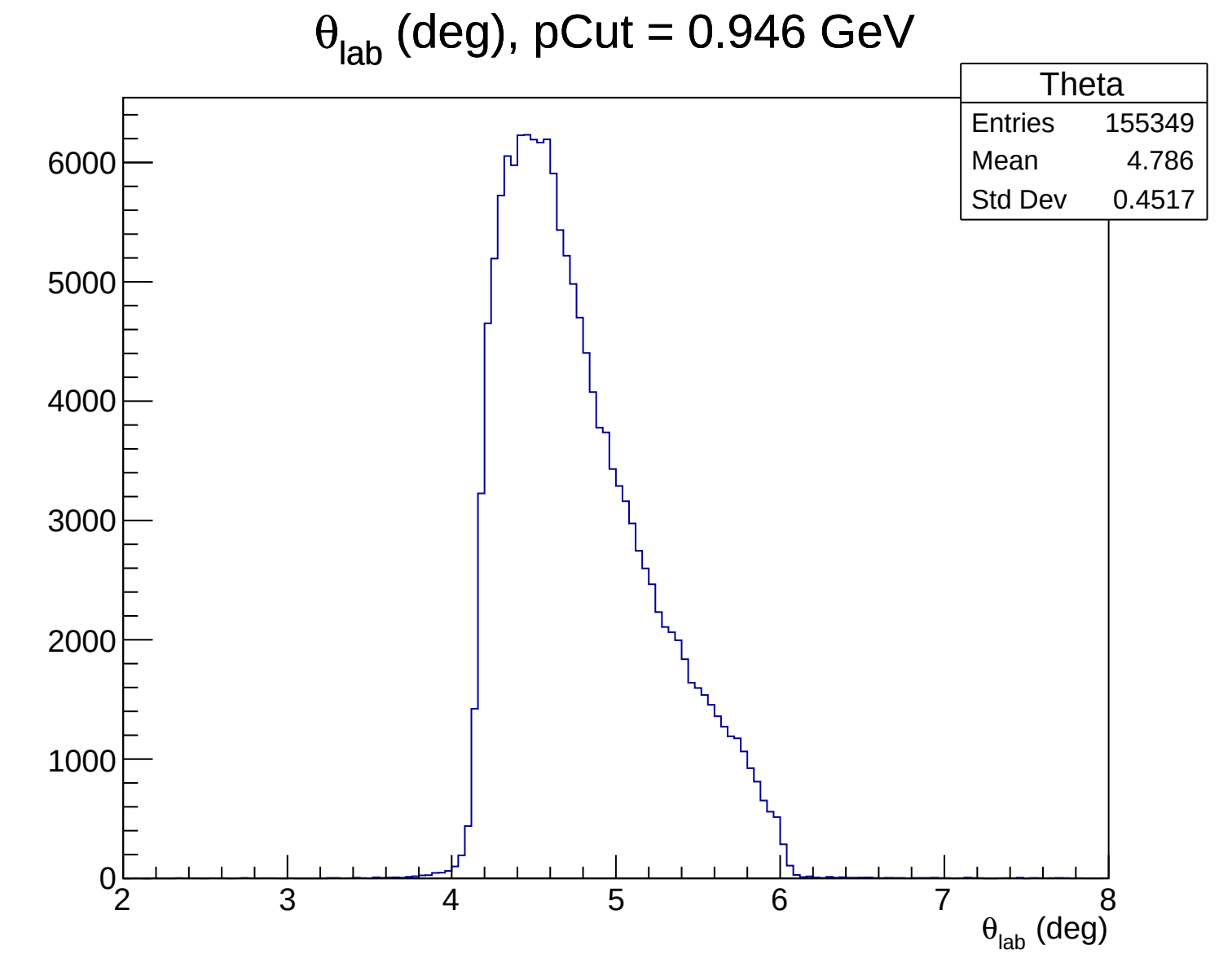

Sensitivity, pCut = 0.945 GeV
sens
Entries 171258
Mean 0.02227
Std Dev 0.003885
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

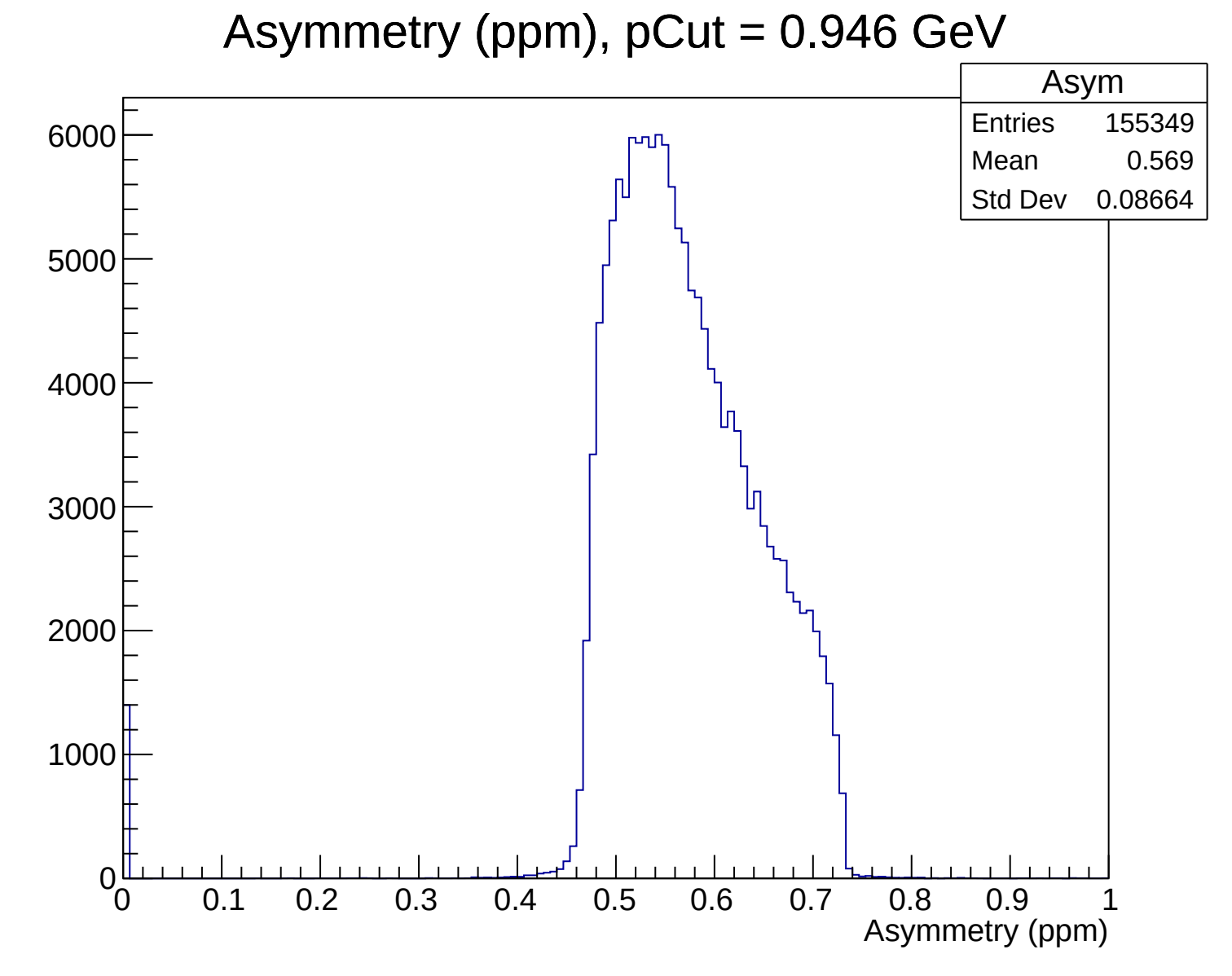
ADC raw (run21415, detZ = 1.3 m)

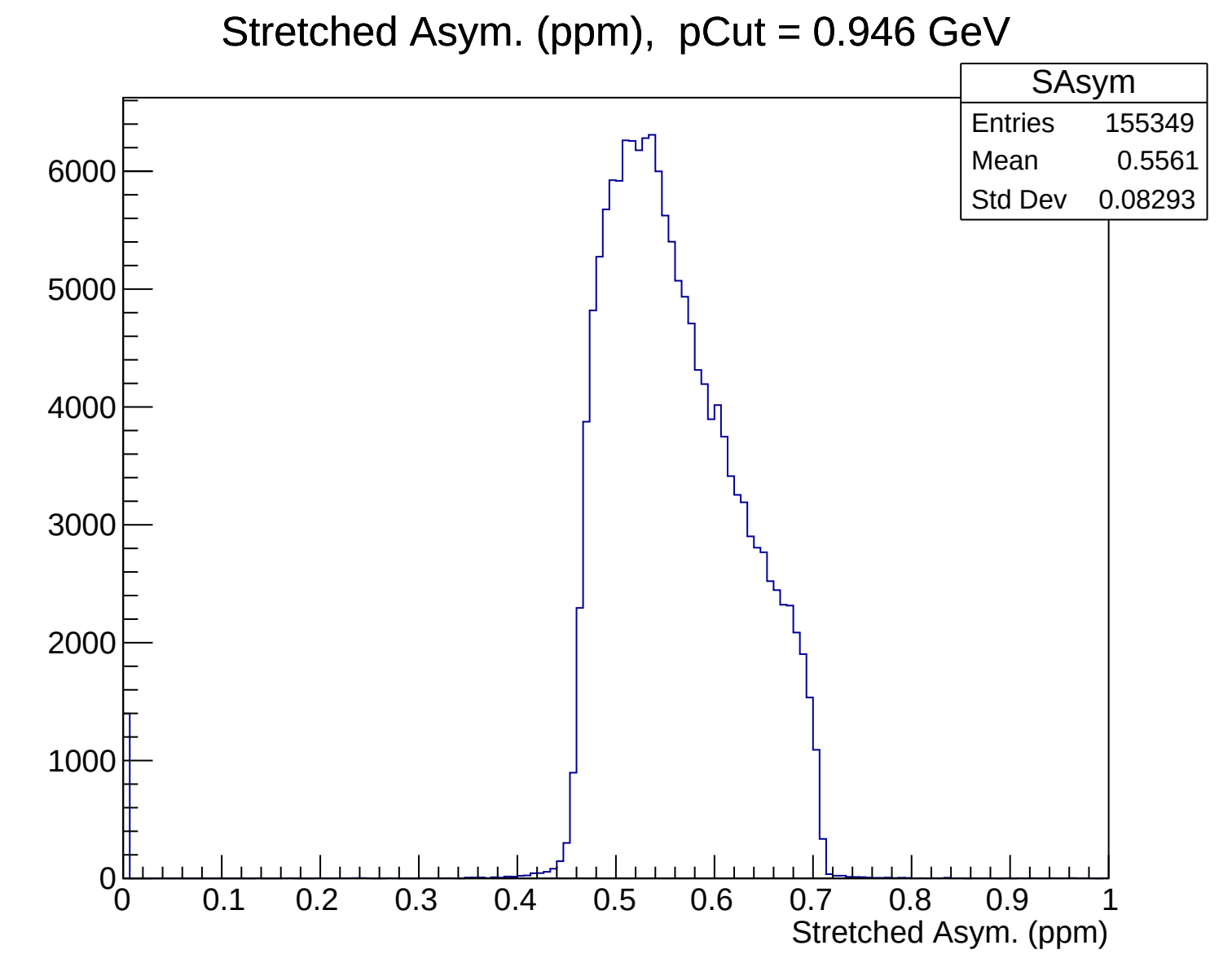


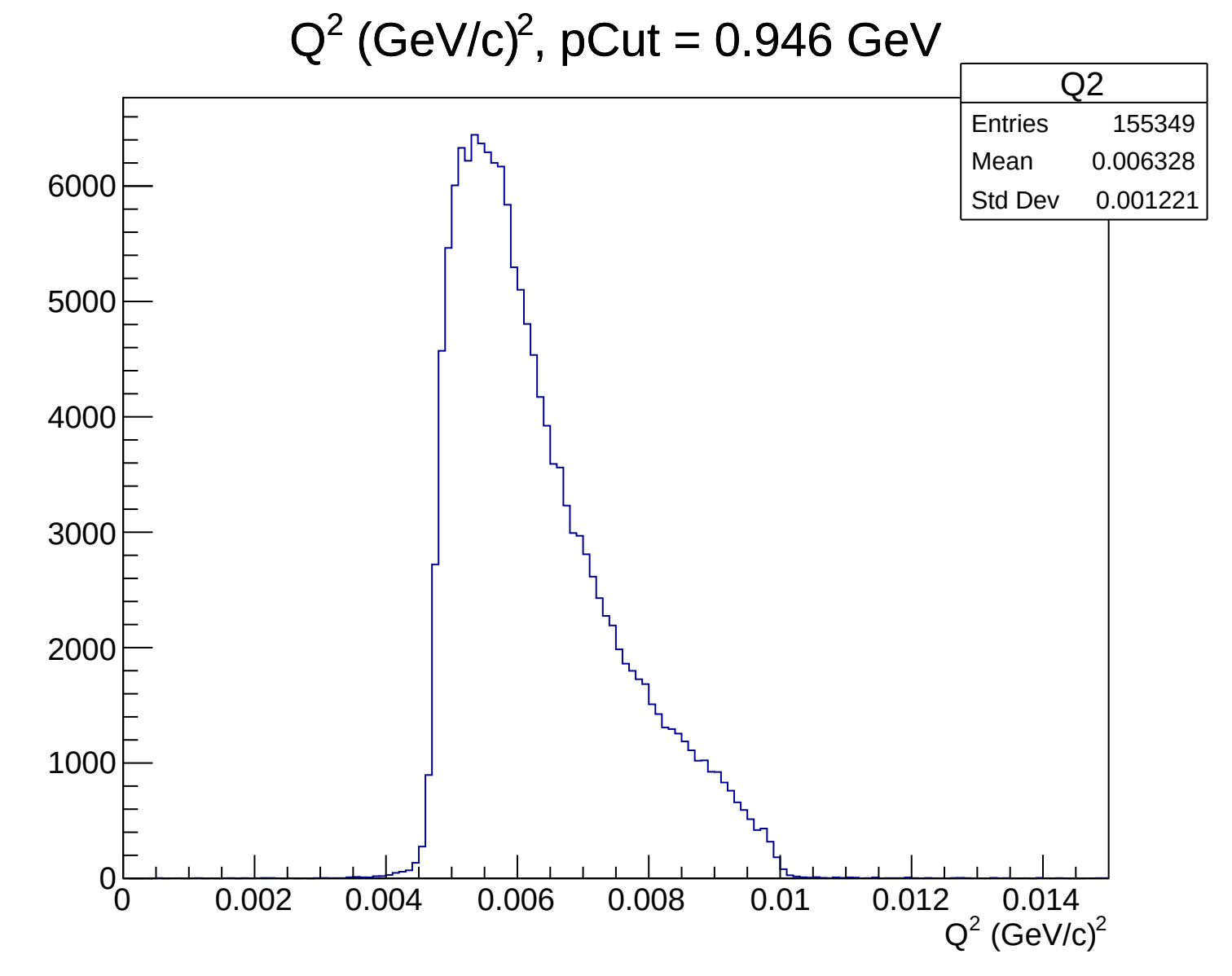
RHRS momentum (run21415)

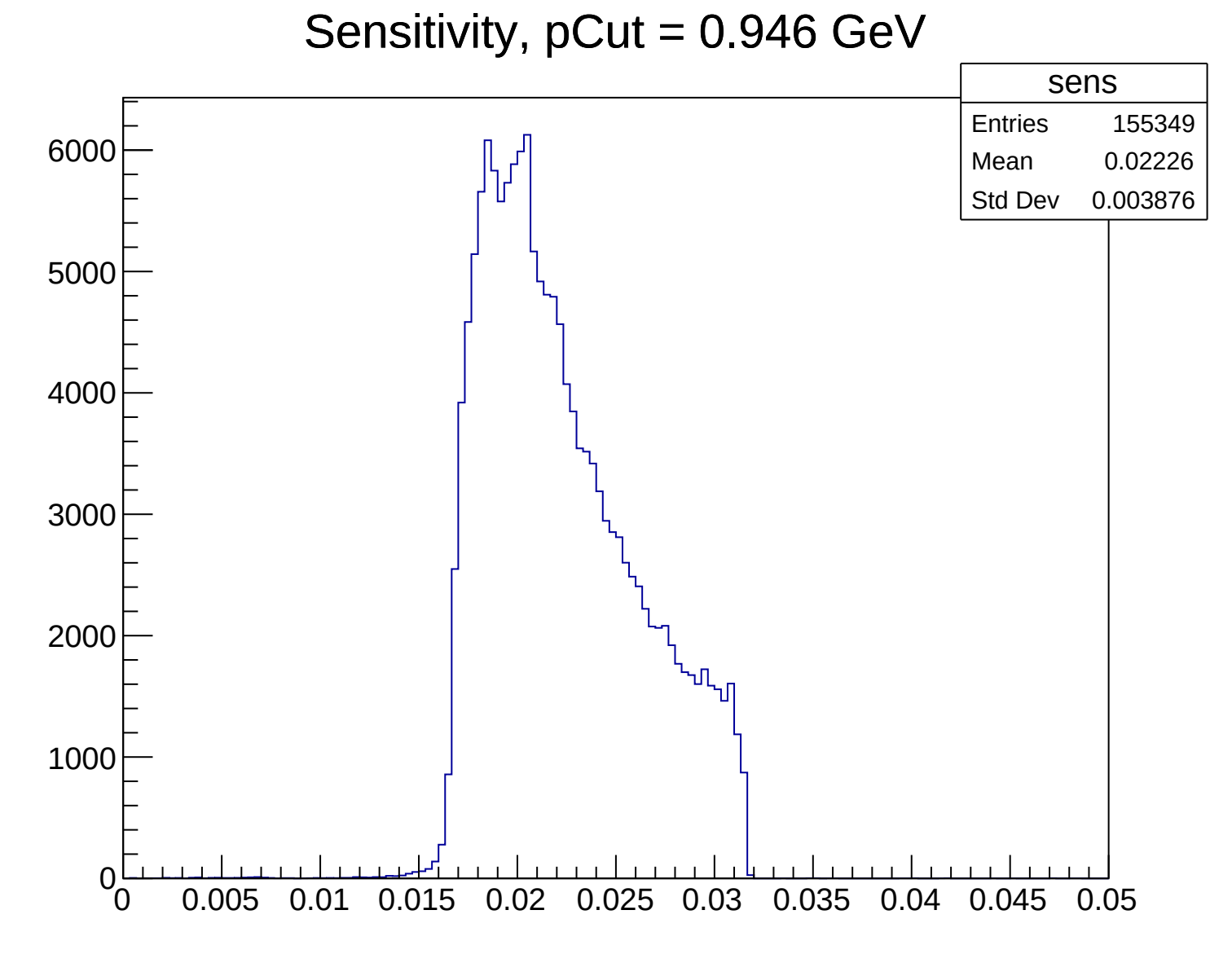


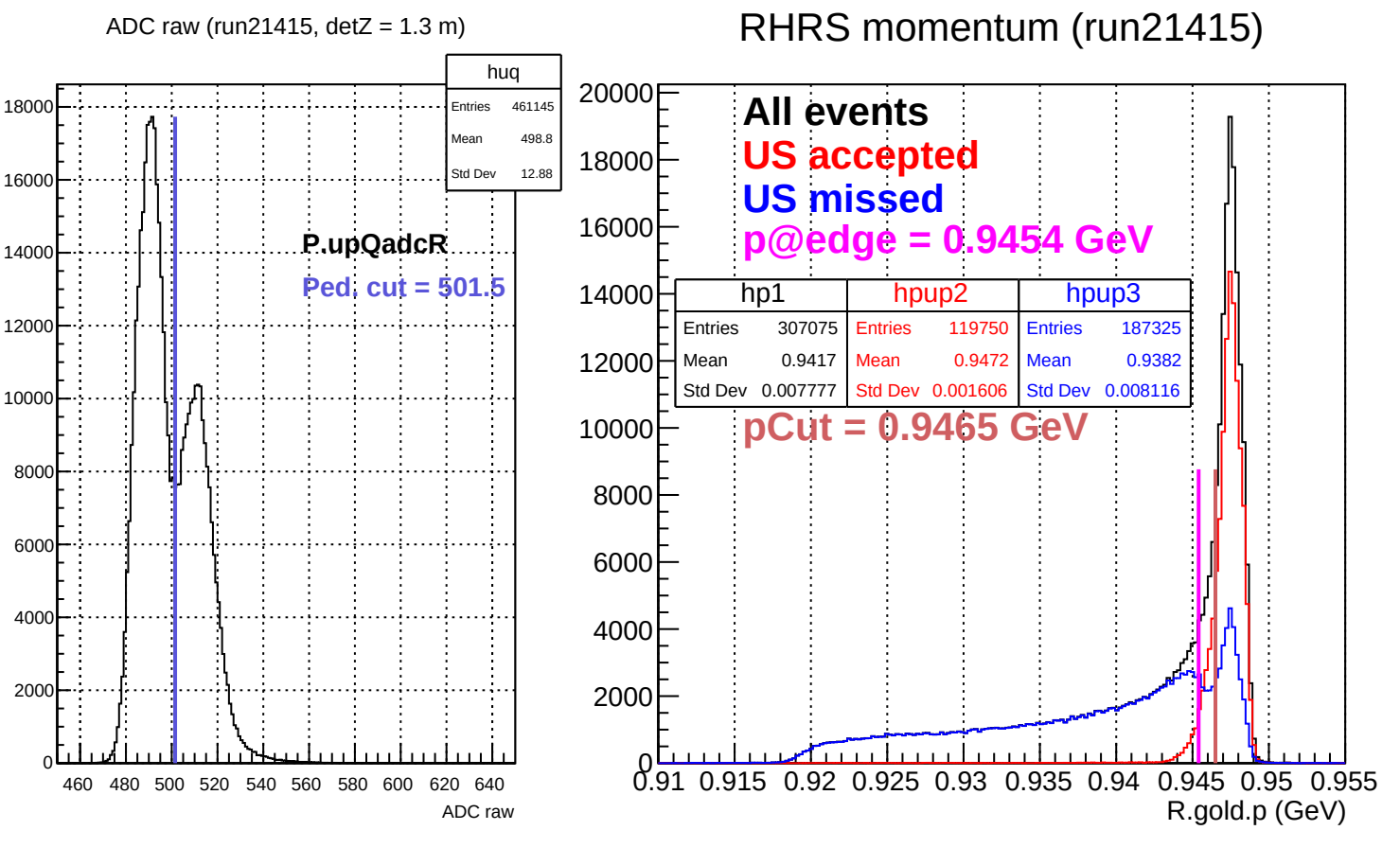

θlab (deg), pCut = 0.946 GeV
Theta
Entries 155349
Mean 4.786
Std Dev 0.4517
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

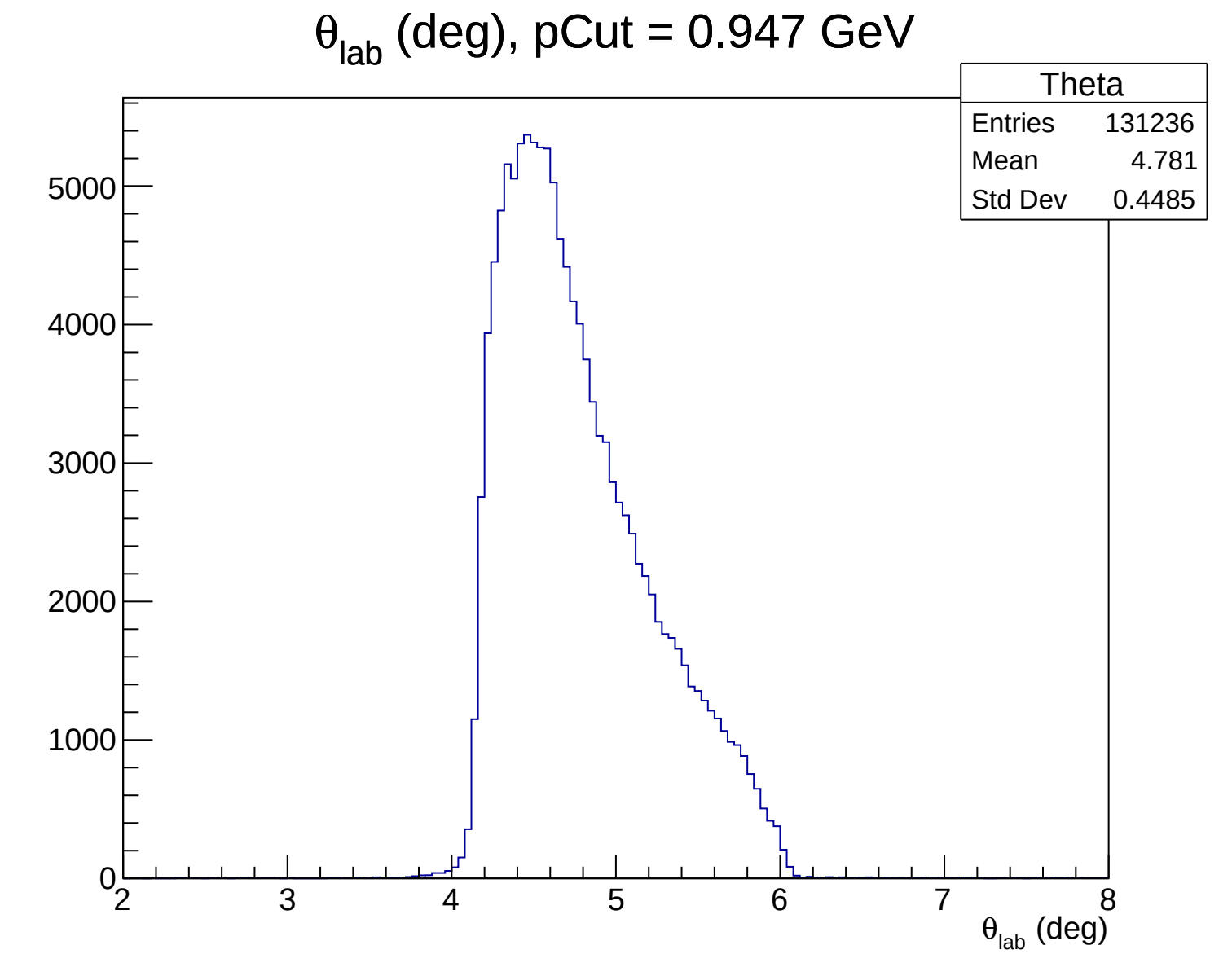

Asymmetry (ppm), pCut = 0.946 GeV
Asym
Entries 155349
Mean 0.569
Std Dev 0.08664
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

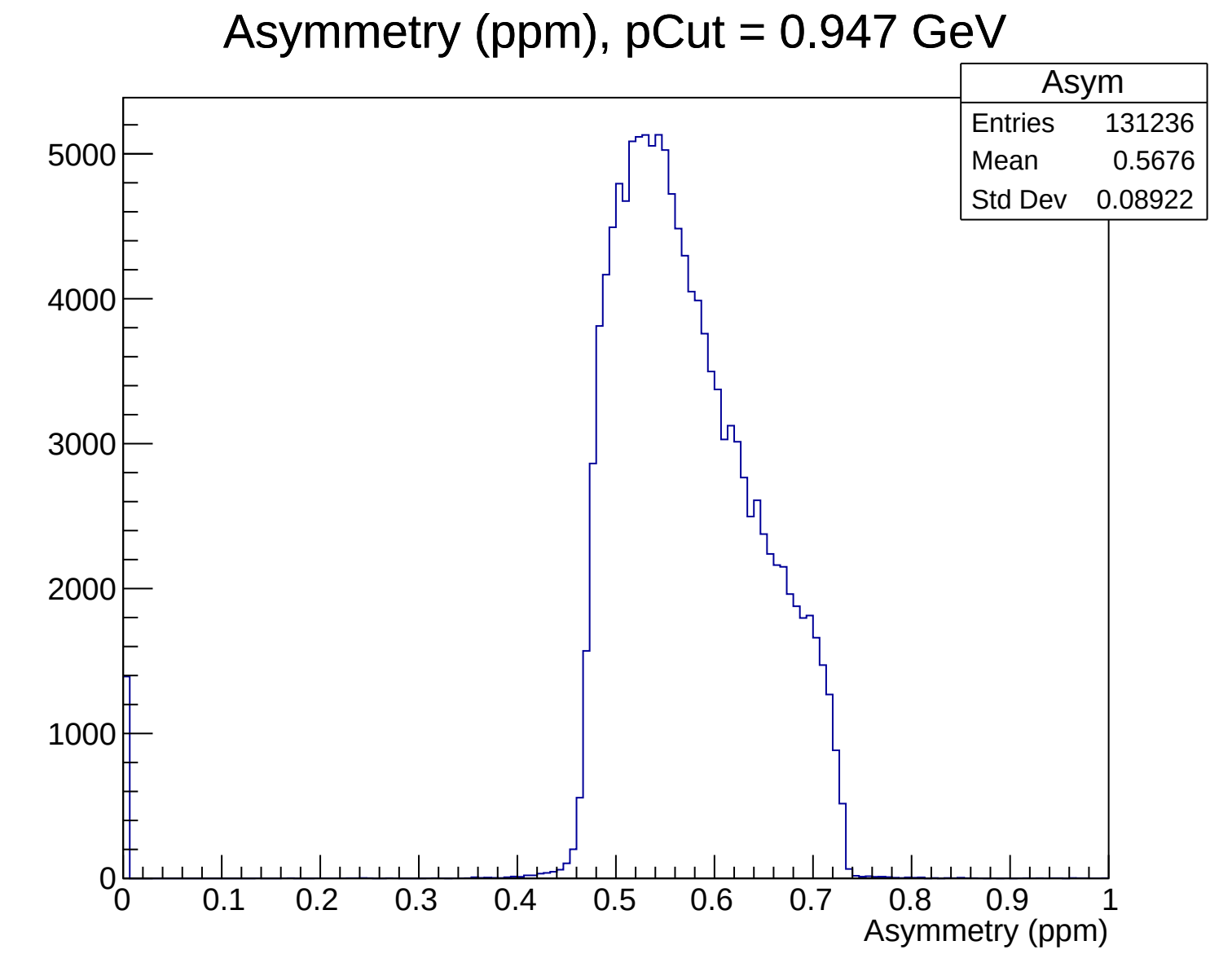

Stretched Asym. (ppm), pCut = 0.946 GeV
SAsym
Entries 155349
Mean 0.5561
Std Dev 0.08293
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

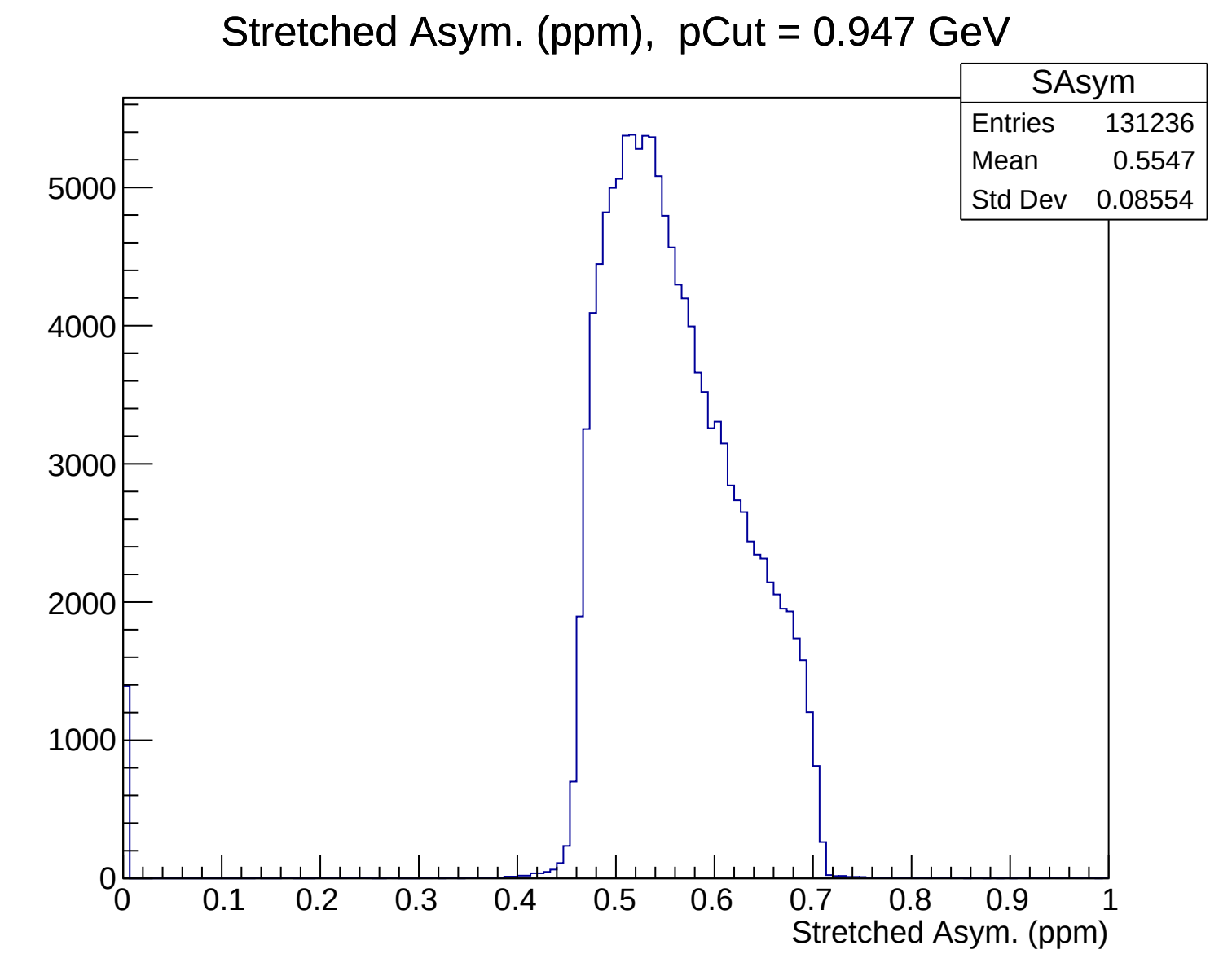

Q^2 (GeV/c)^2, pCut = 0.946 GeV
Q2
Entries 155349
Mean 0.006328
Std Dev 0.001221
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

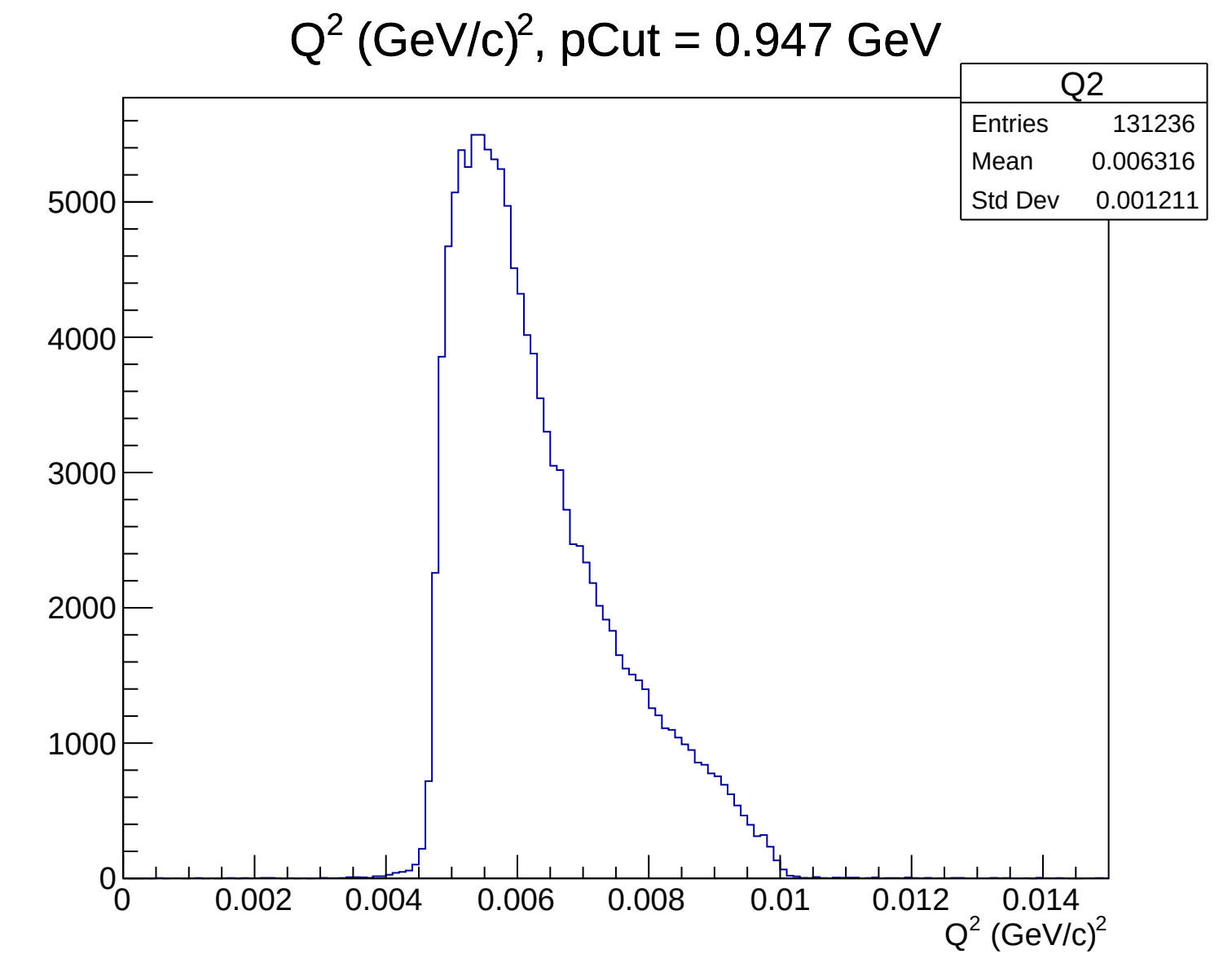

Sensitivity, pCut = 0.946 GeV
sens
Entries 155349
Mean 0.02226
Std Dev 0.003876
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

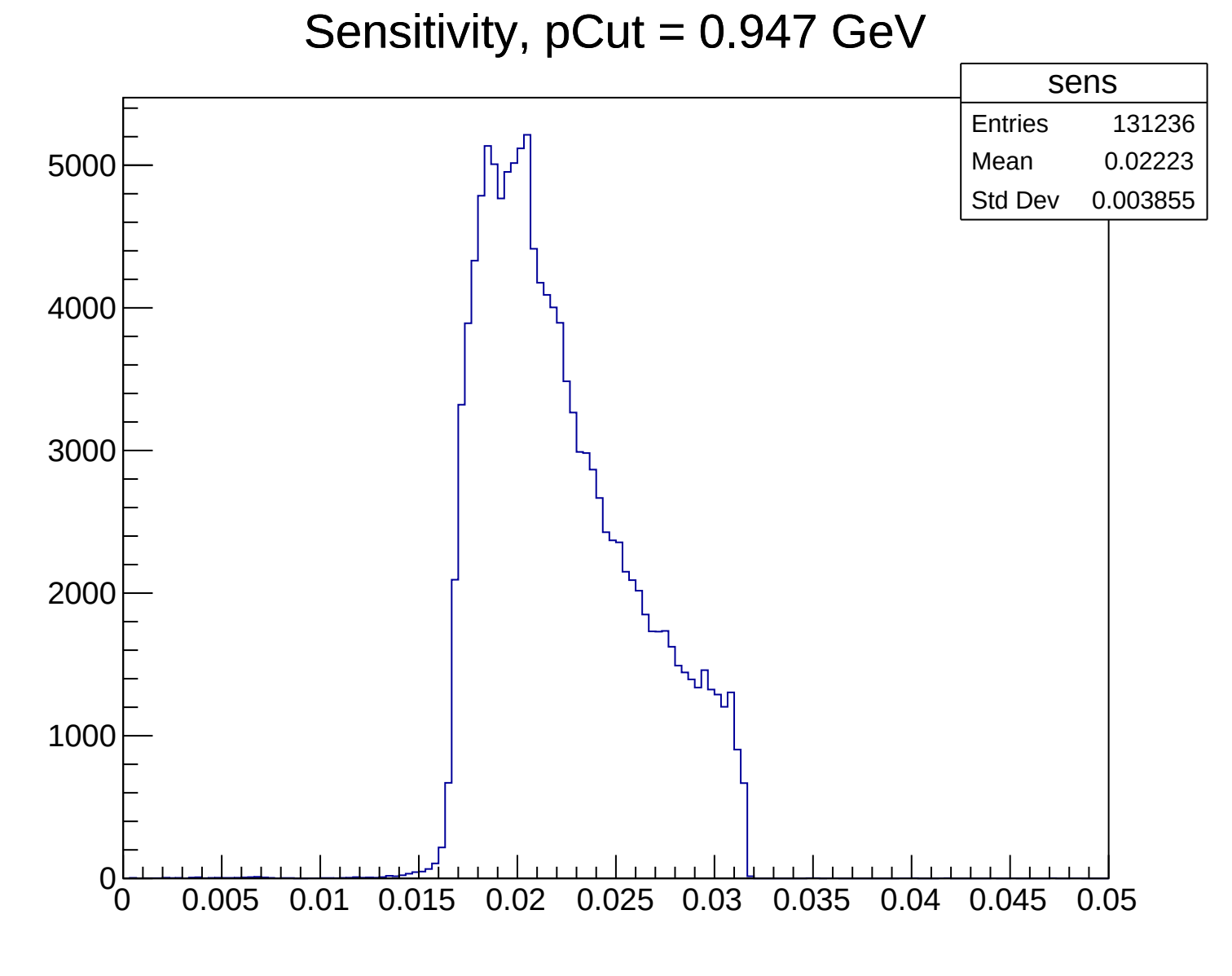

ADC raw (run21415, detZ = 1.3 m)
huq
Entries 461145
Mean 498.8
Std Dev 12.88
P.upQadcR
Ped. cut = 501.5
ADC raw
RHRS momentum (run21415)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 307075
Mean 0.9417
Std Dev 0.007777
hpup2
Entries 119750
Mean 0.9472
Std Dev 0.001606
hpup3
Entries 187325
Mean 0.9382
Std Dev 0.008116
pCut = 0.9465 GeV
R.gold.p (GeV)


θlab (deg), pCut = 0.947 GeV
Theta
Entries 131236
Mean 4.781
Std Dev 0.4485
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), pCut = 0.947 GeV
Asym
Entries 131236
Mean 0.5676
Std Dev 0.08922
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.947 GeV
SAsym
Entries 131236
Mean 0.5547
Std Dev 0.08554
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, pCut = 0.947 GeV
Q2
Entries 131236
Mean 0.006316
Std Dev 0.001211
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, pCut = 0.947 GeV
sens
Entries 131236
Mean 0.02223
Std Dev 0.003855
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05