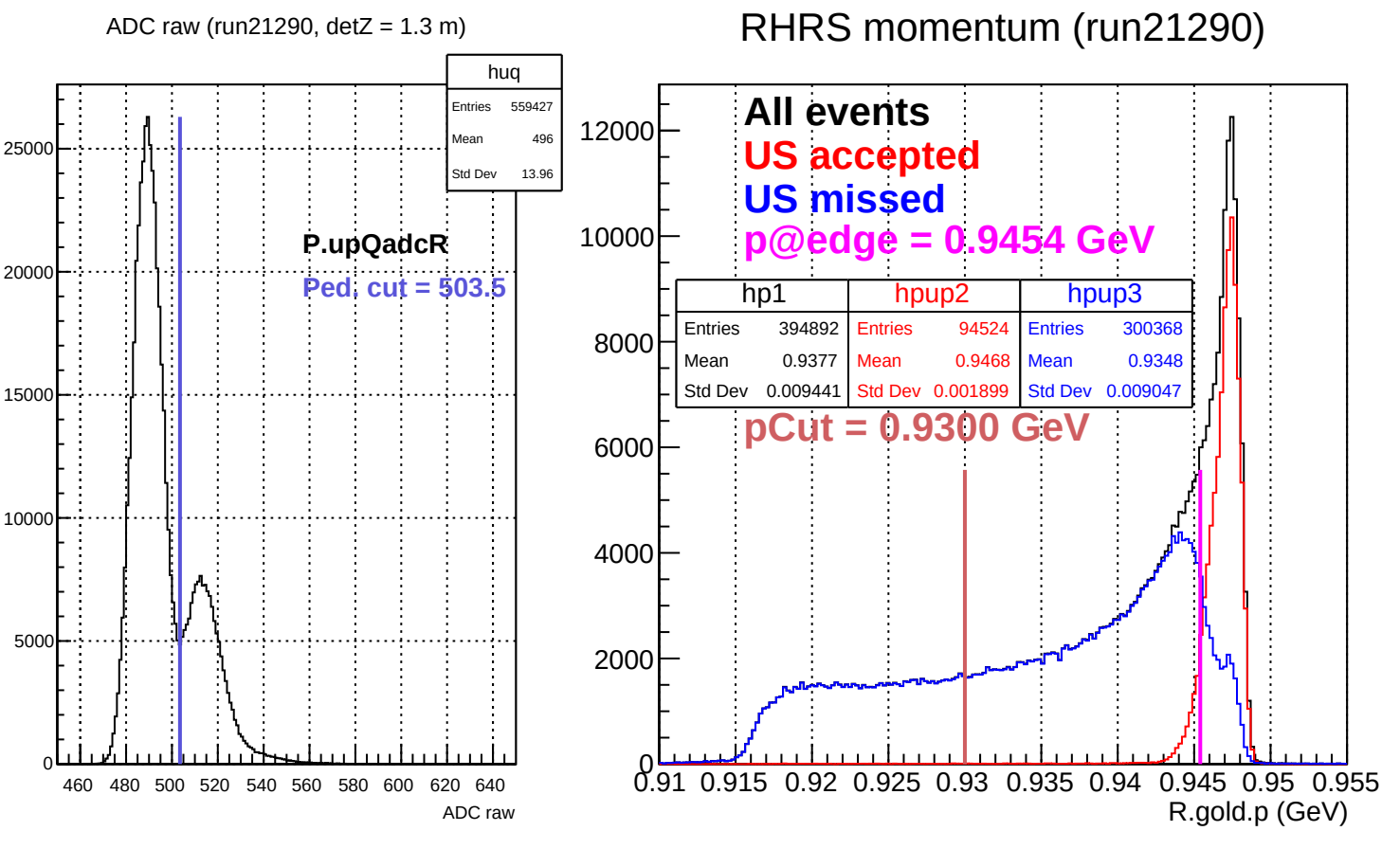
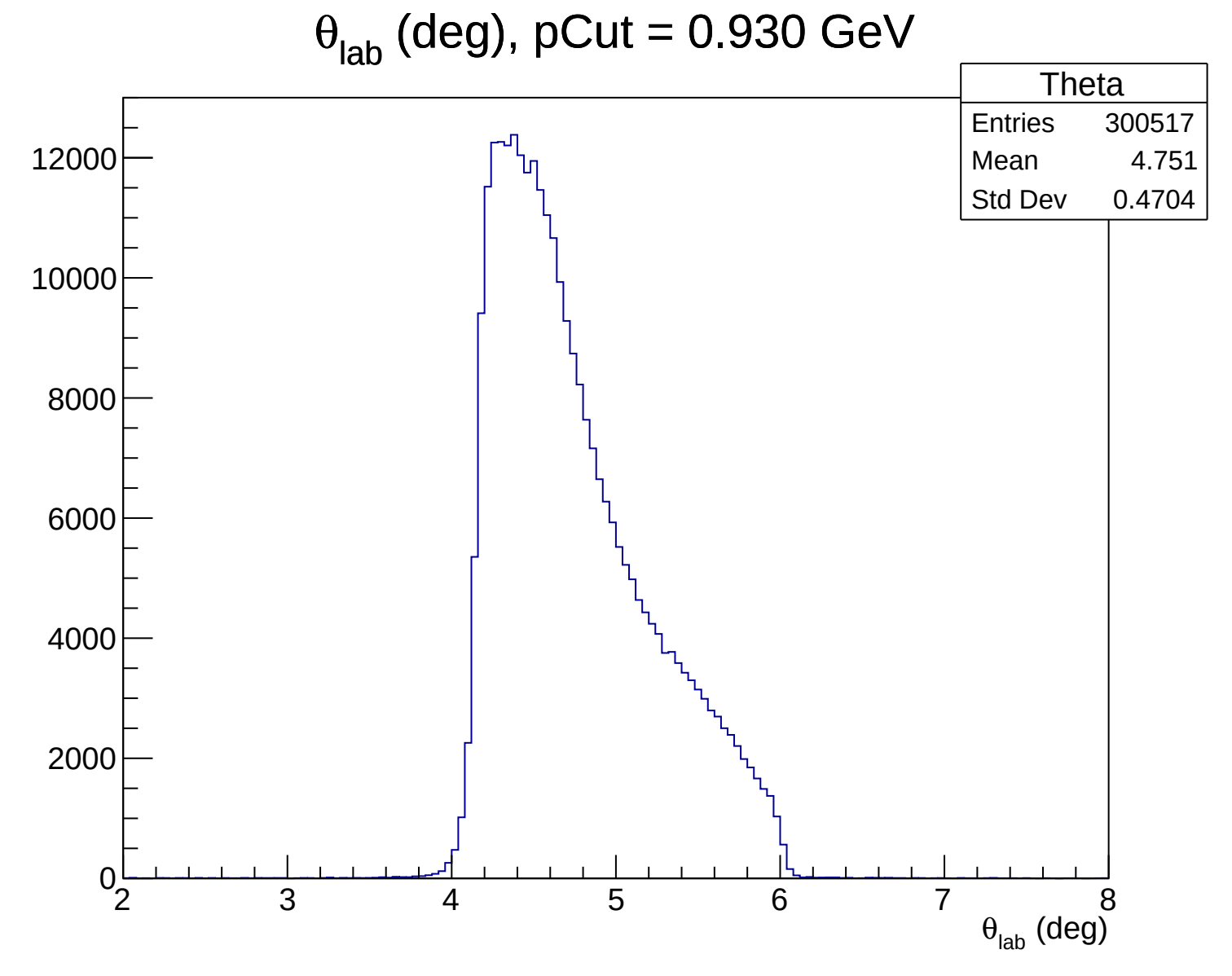
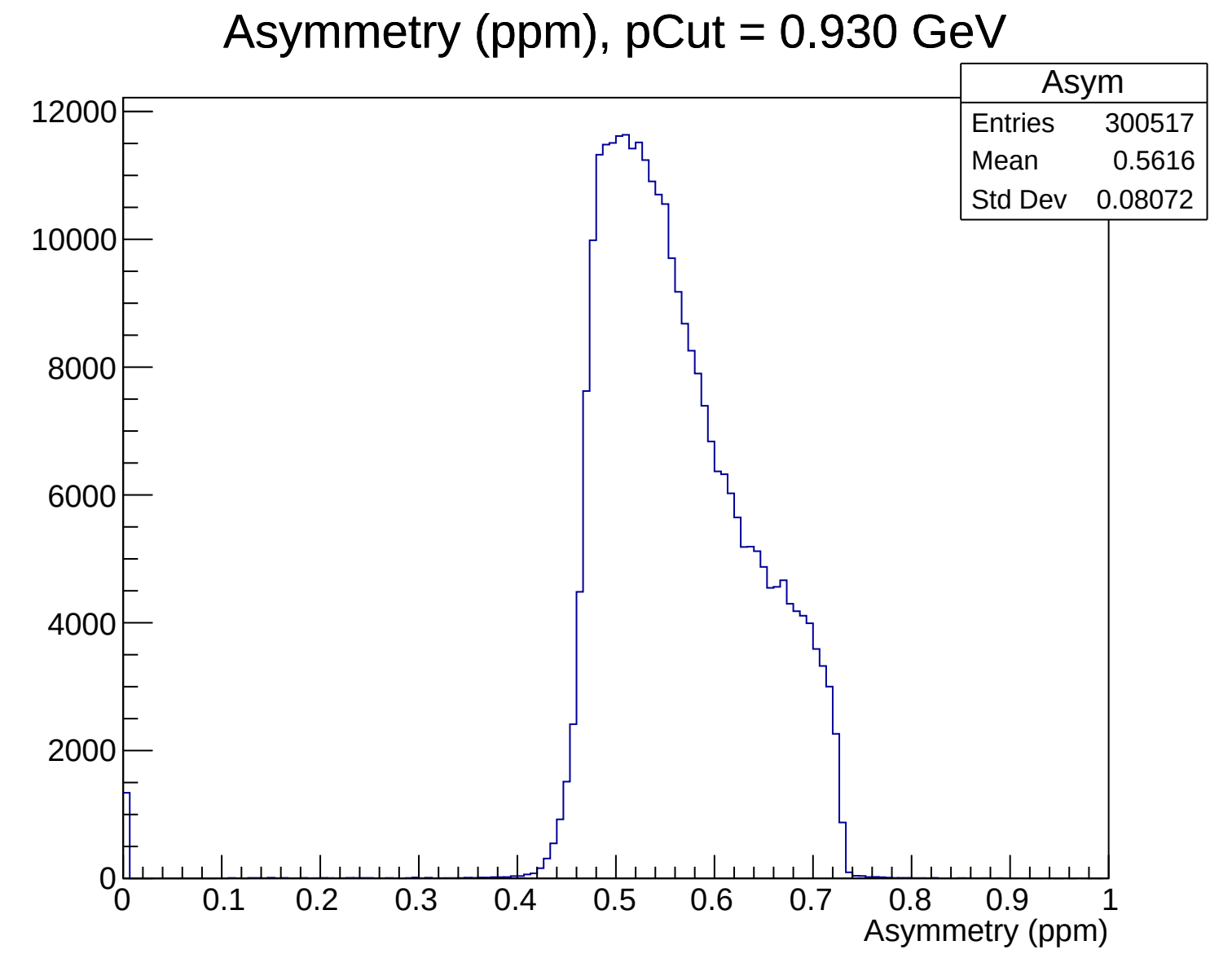
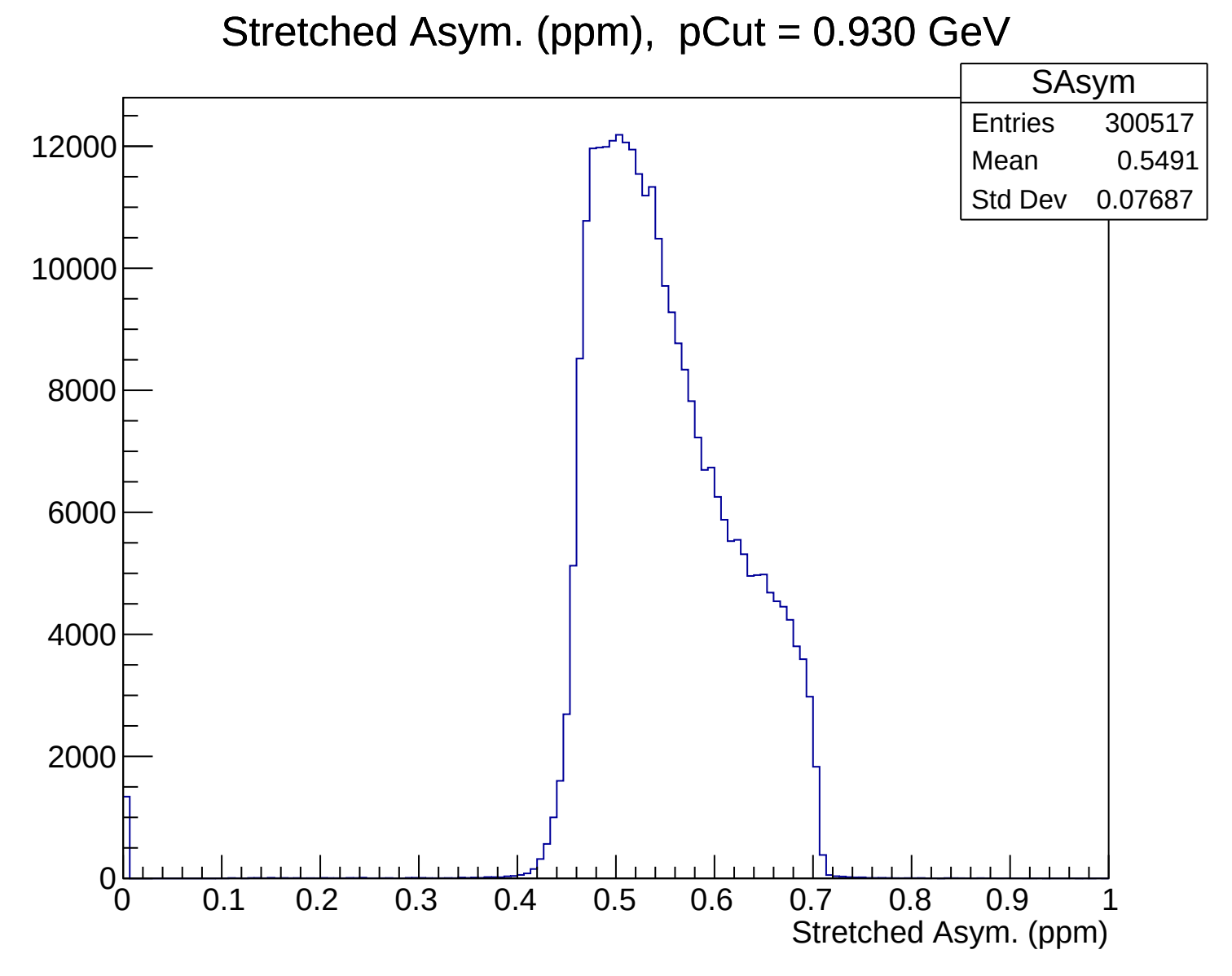
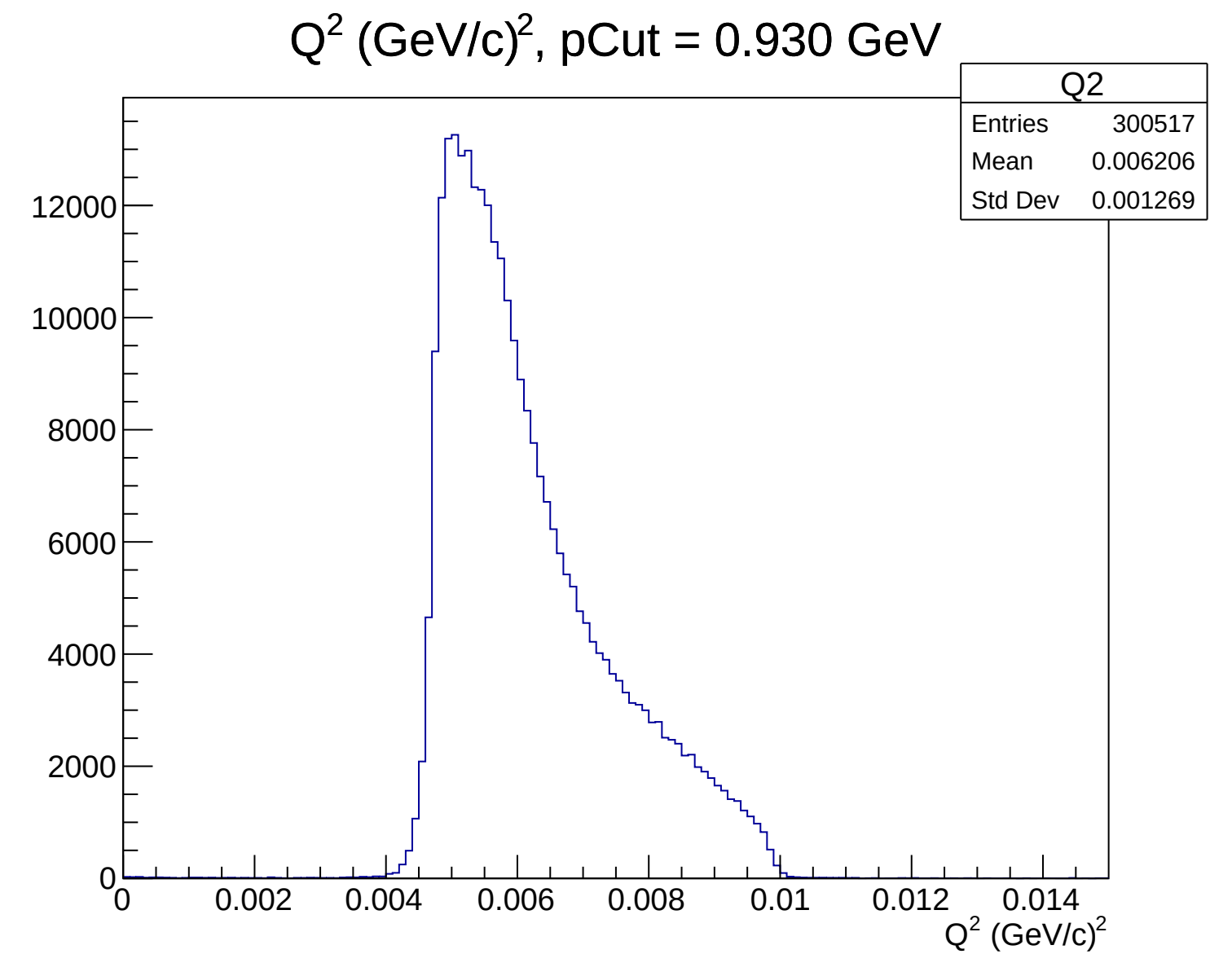
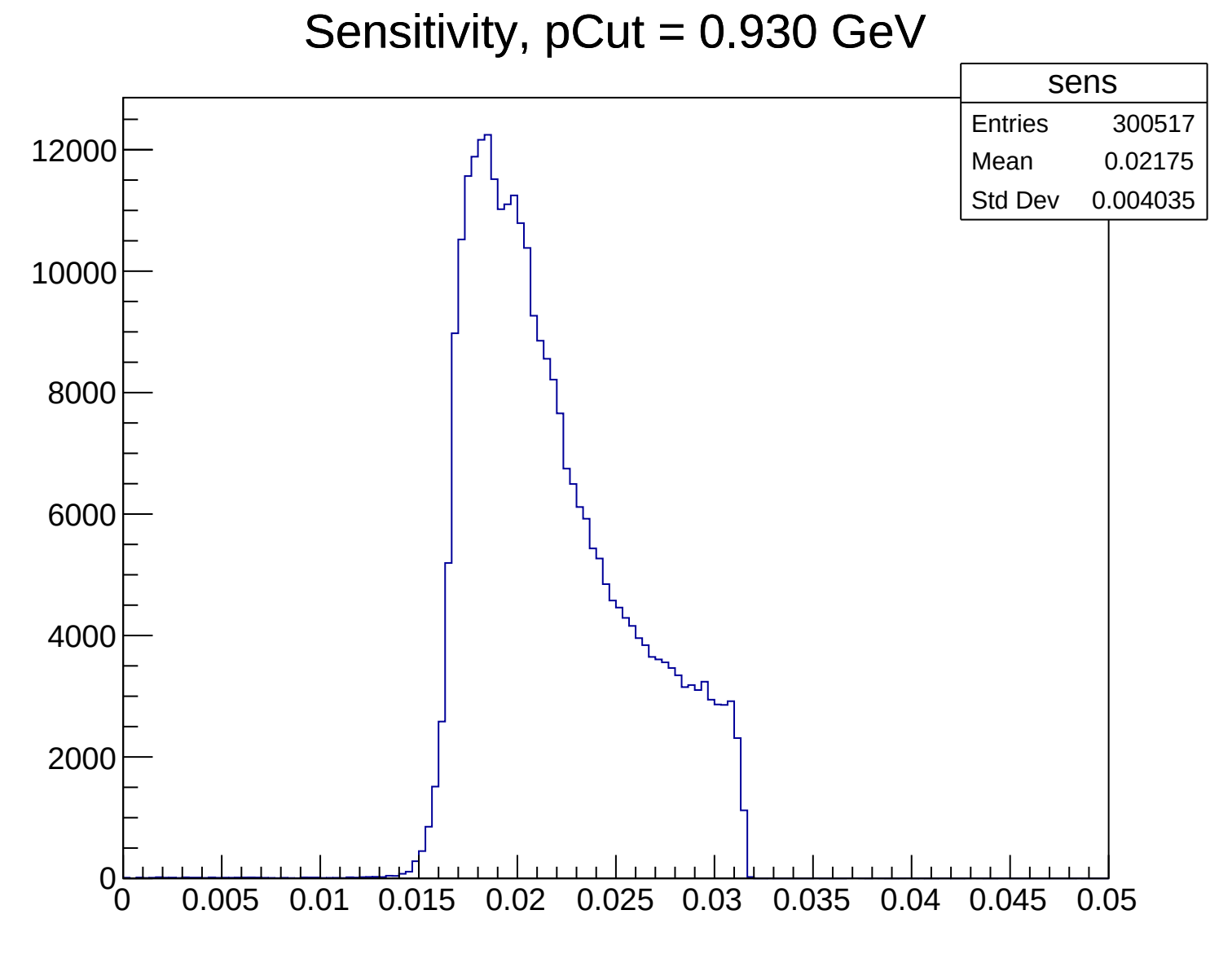

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw
RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9300 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

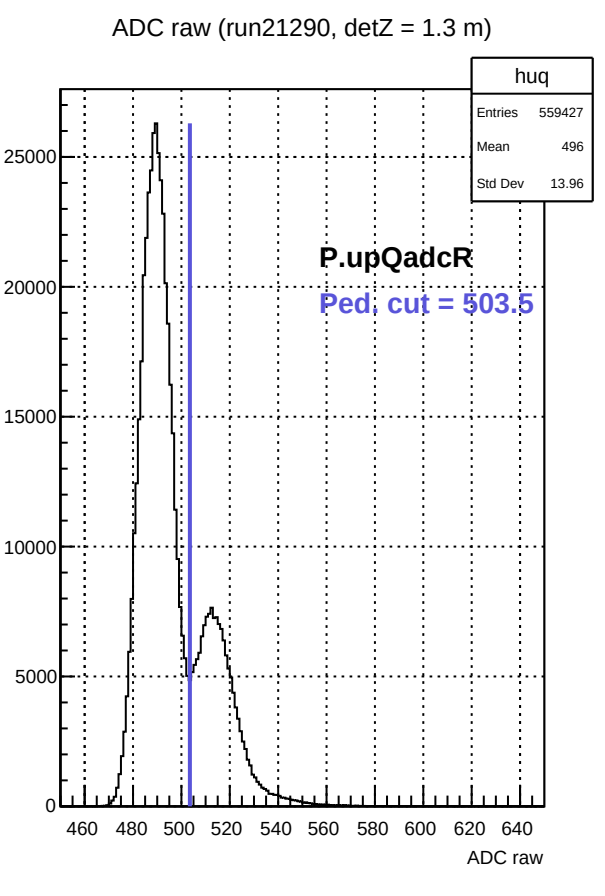

θlab (deg), pCut = 0.930 GeV
Theta
Entries 300517
Mean 4.751
Std Dev 0.4704
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

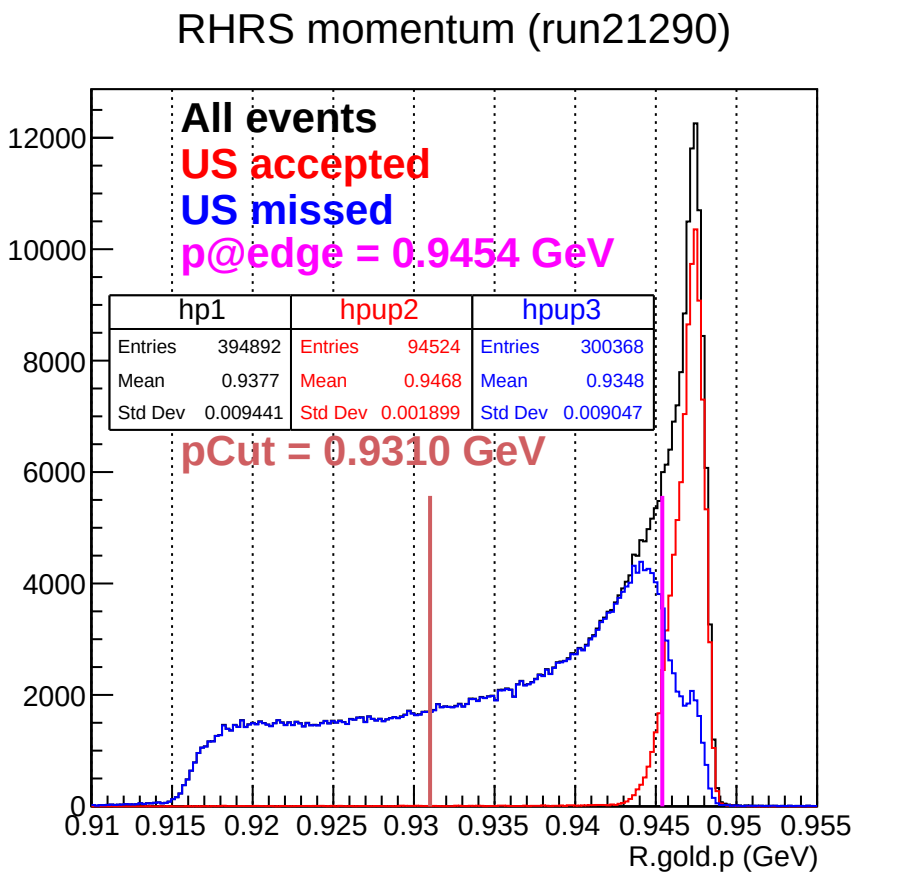

Asymmetry (ppm), pCut = 0.930 GeV
Asym
Entries 300517
Mean 0.5616
Std Dev 0.08072
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)

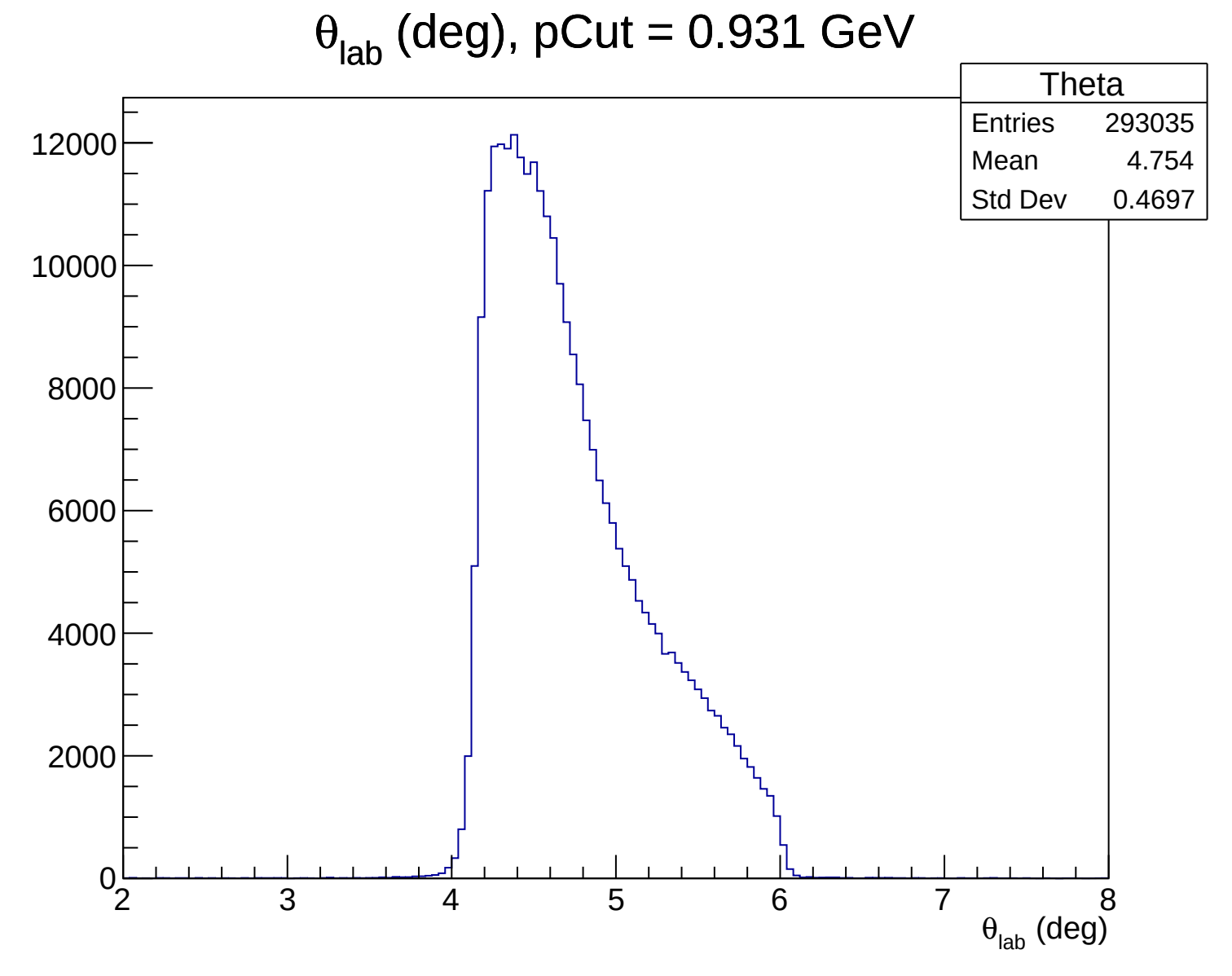

Stretched Asym. (ppm), pCut = 0.930 GeV
SAsym
Entries 300517
Mean 0.5491
Std Dev 0.07687
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

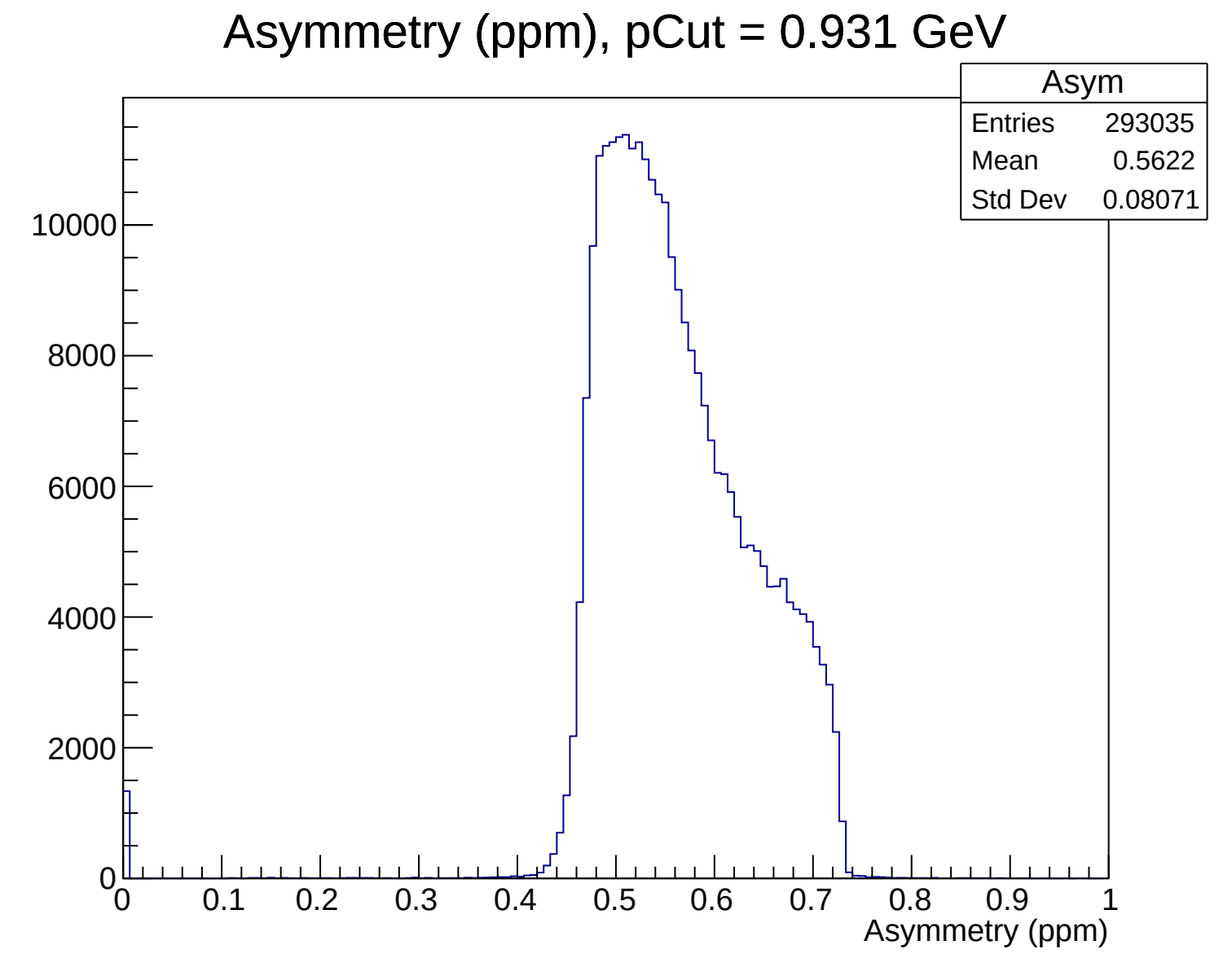

Q^2 (GeV/c)^2, pCut = 0.930 GeV
Q2
Entries 300517
Mean 0.006206
Std Dev 0.001269
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

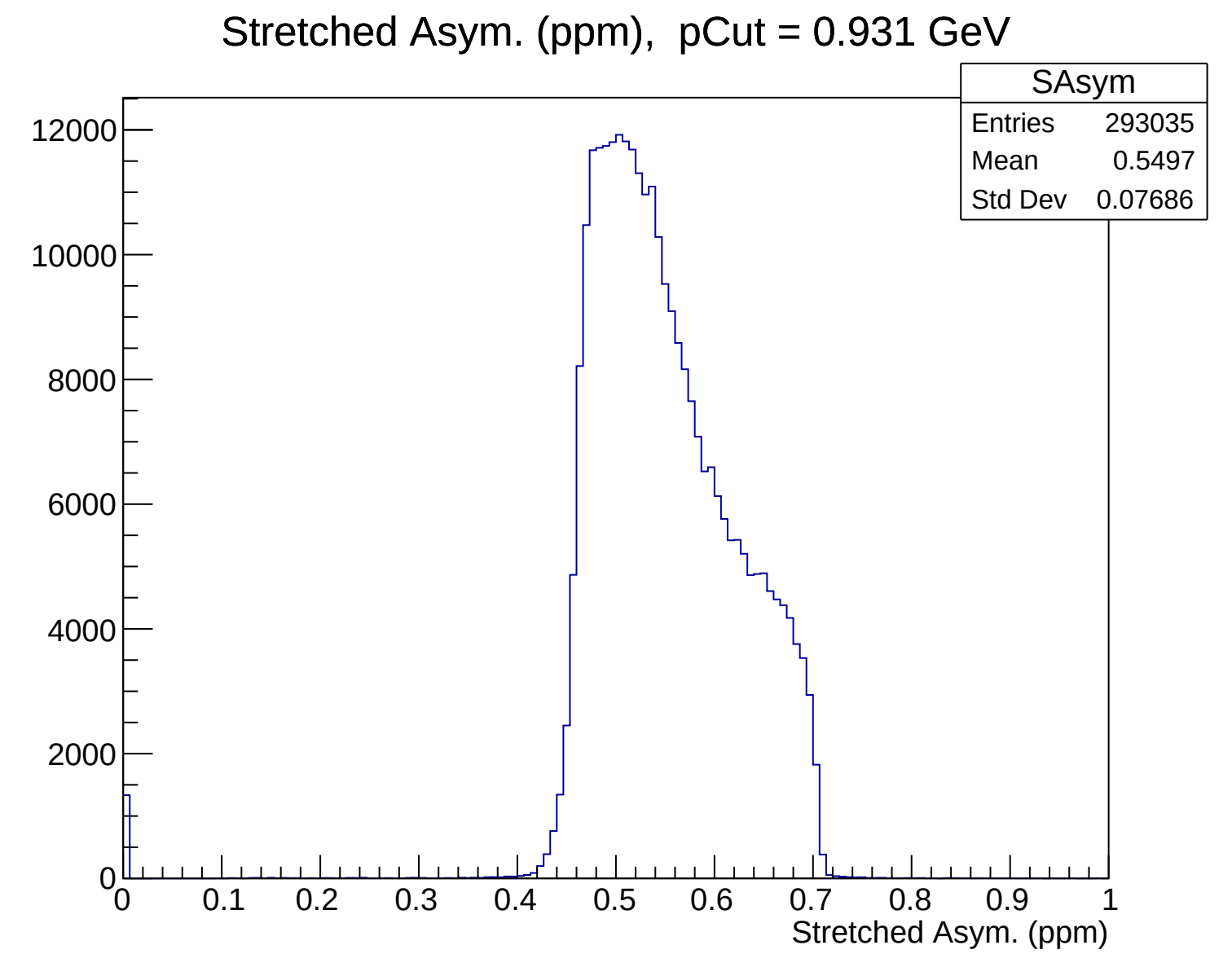

Sensitivity, pCut = 0.930 GeV
sens
Entries 300517
Mean 0.02175
Std Dev 0.004035
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

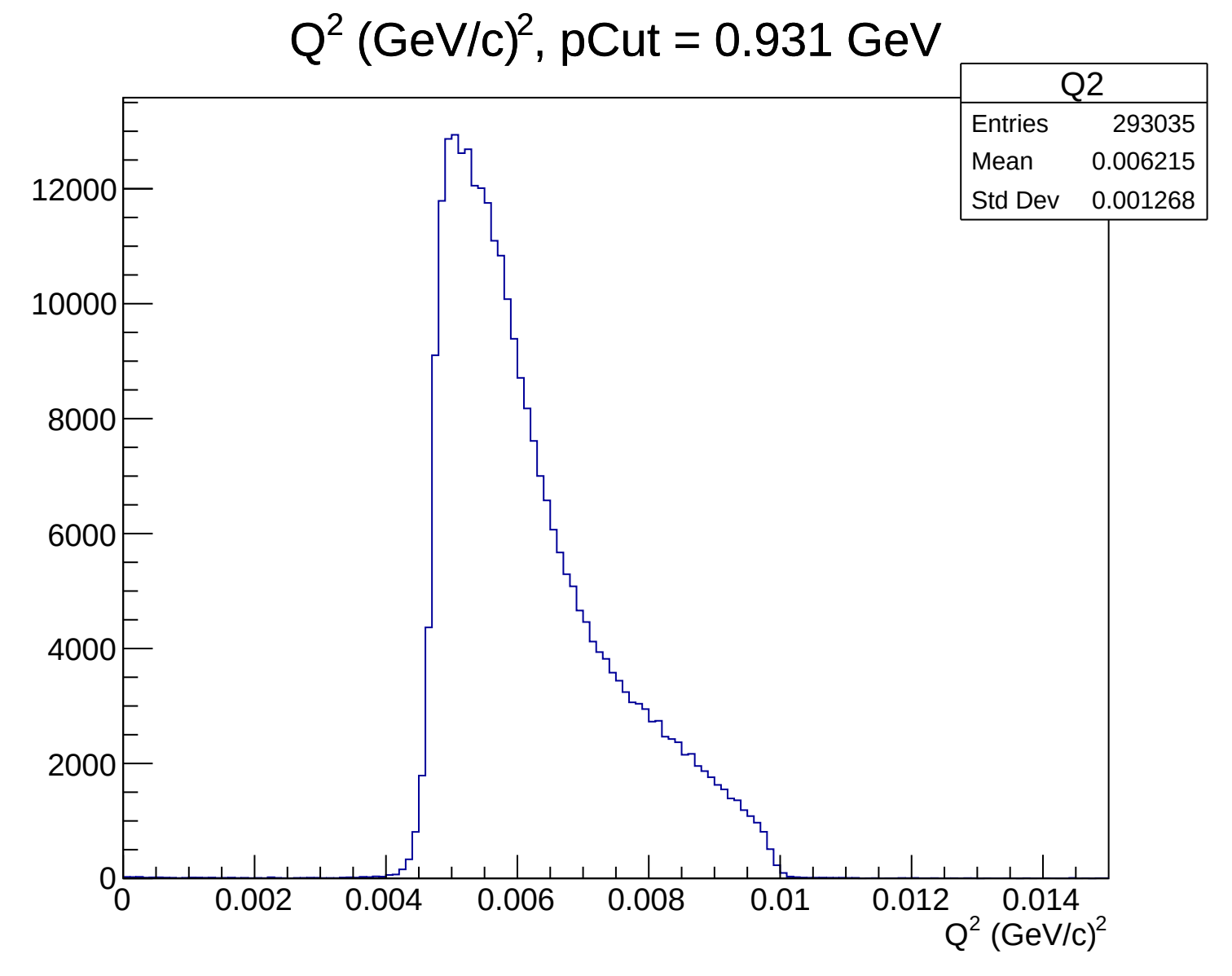

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

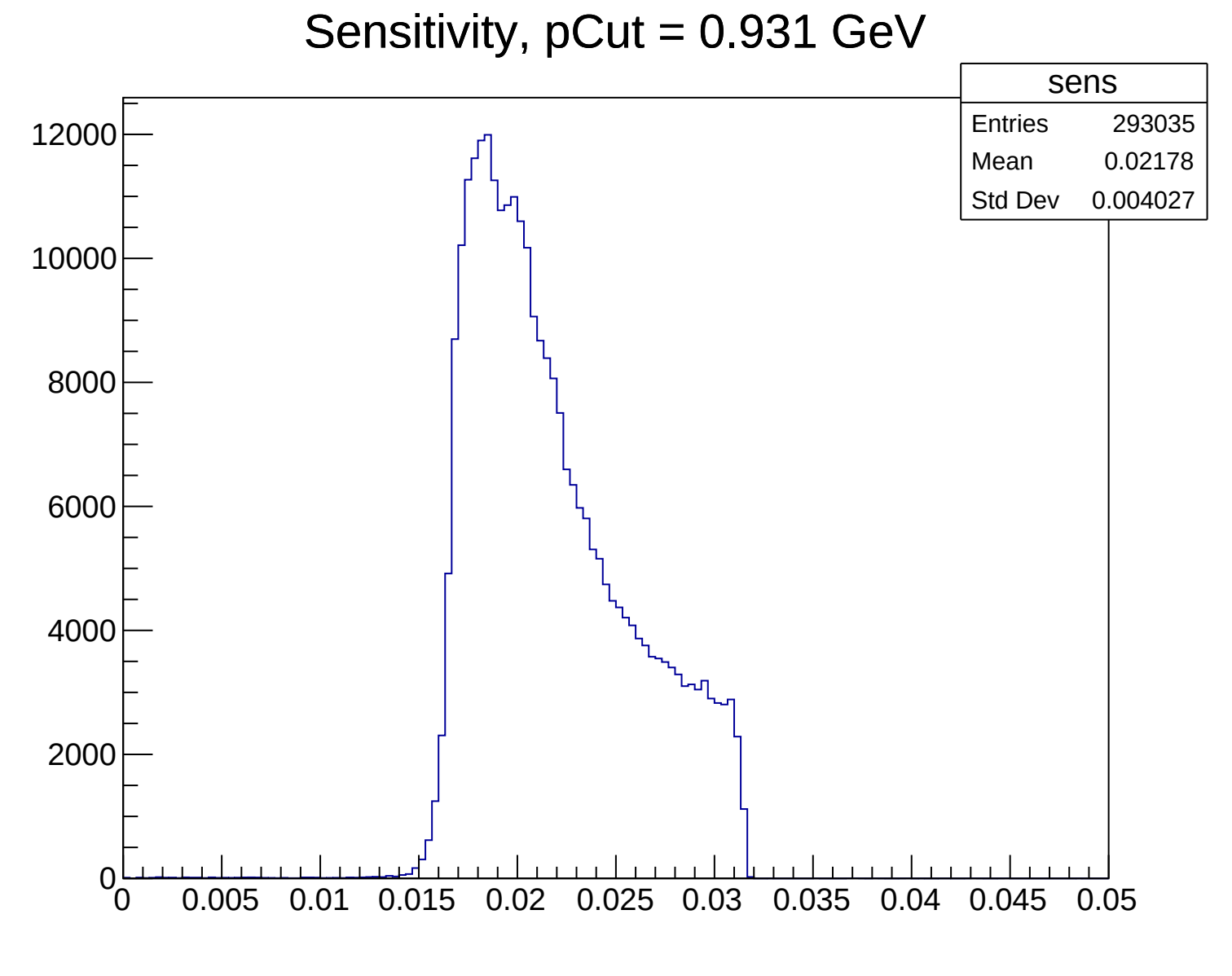

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9310 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

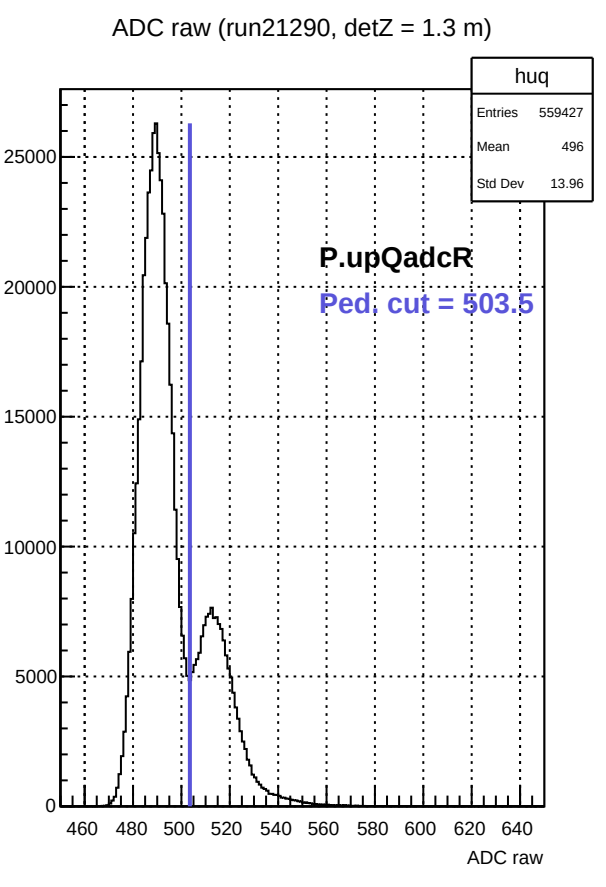

θlab (deg), pCut = 0.931 GeV
Theta
Entries 293035
Mean 4.754
Std Dev 0.4697
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

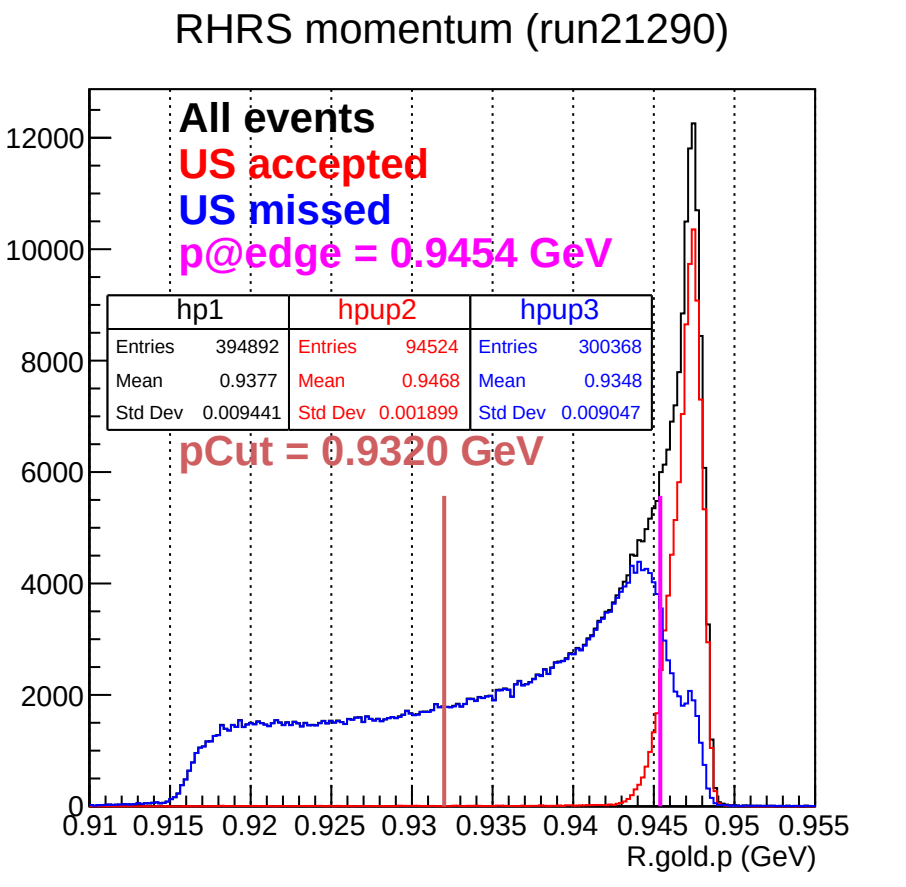

Asymmetry (ppm), pCut = 0.931 GeV
Asym
Entries 293035
Mean 0.5622
Std Dev 0.08071
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

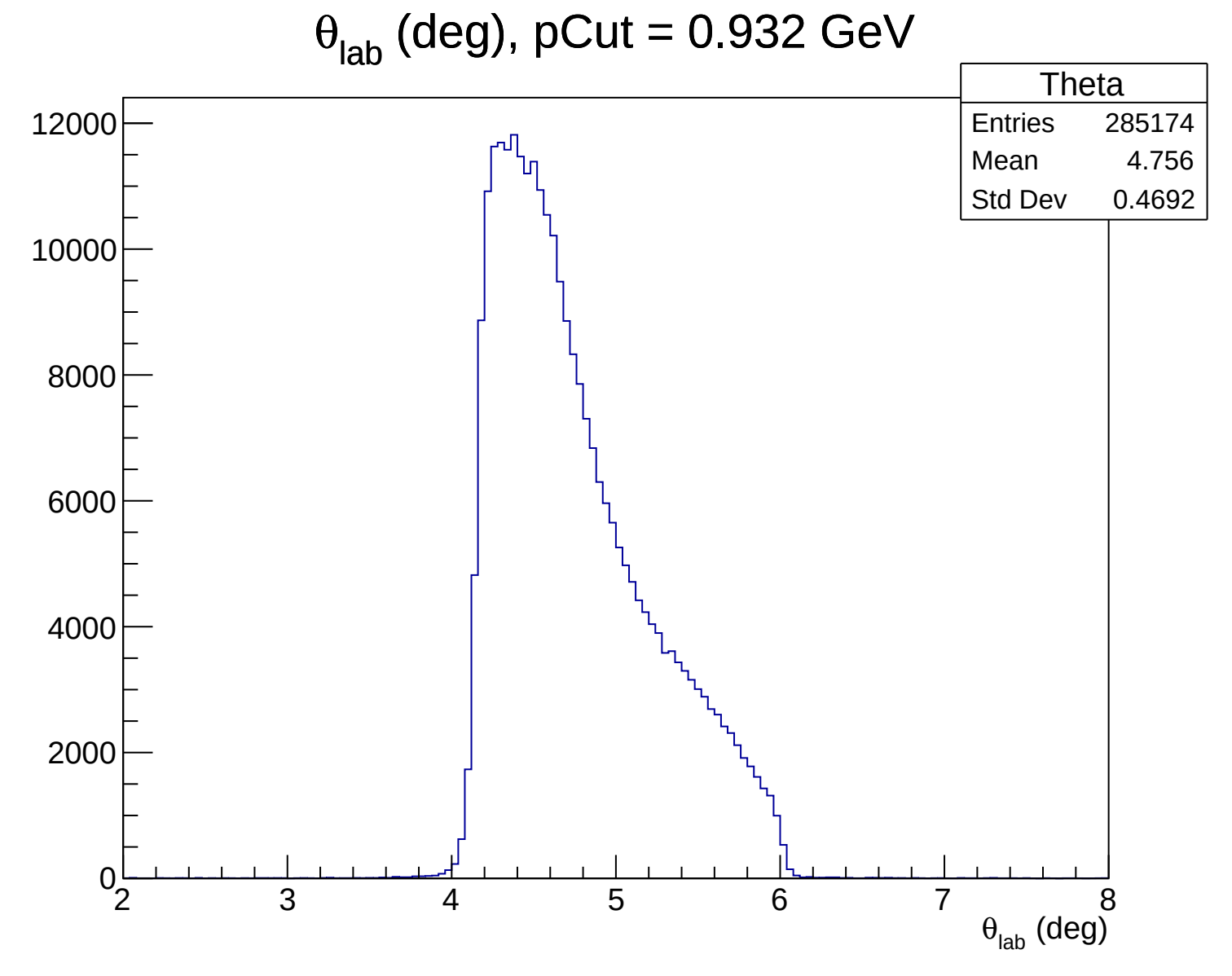

Stretched Asym. (ppm), pCut = 0.931 GeV
SAsym
Entries 293035
Mean 0.5497
Std Dev 0.07686
12000
10000
8000
6000
4000
2000
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

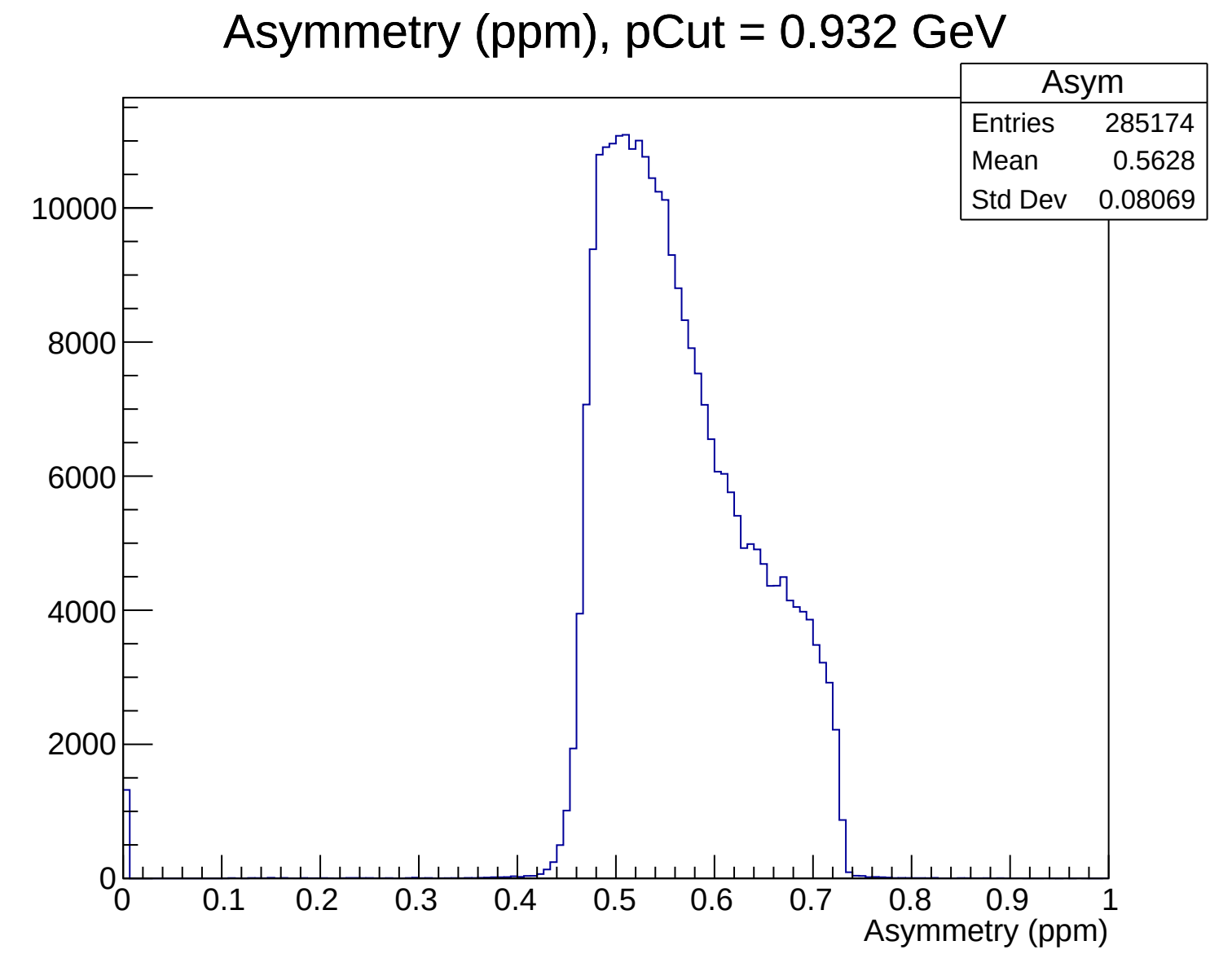

Q^2 (GeV/c)^2, pCut = 0.931 GeV
Q2
Entries 293035
Mean 0.006215
Std Dev 0.001268
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

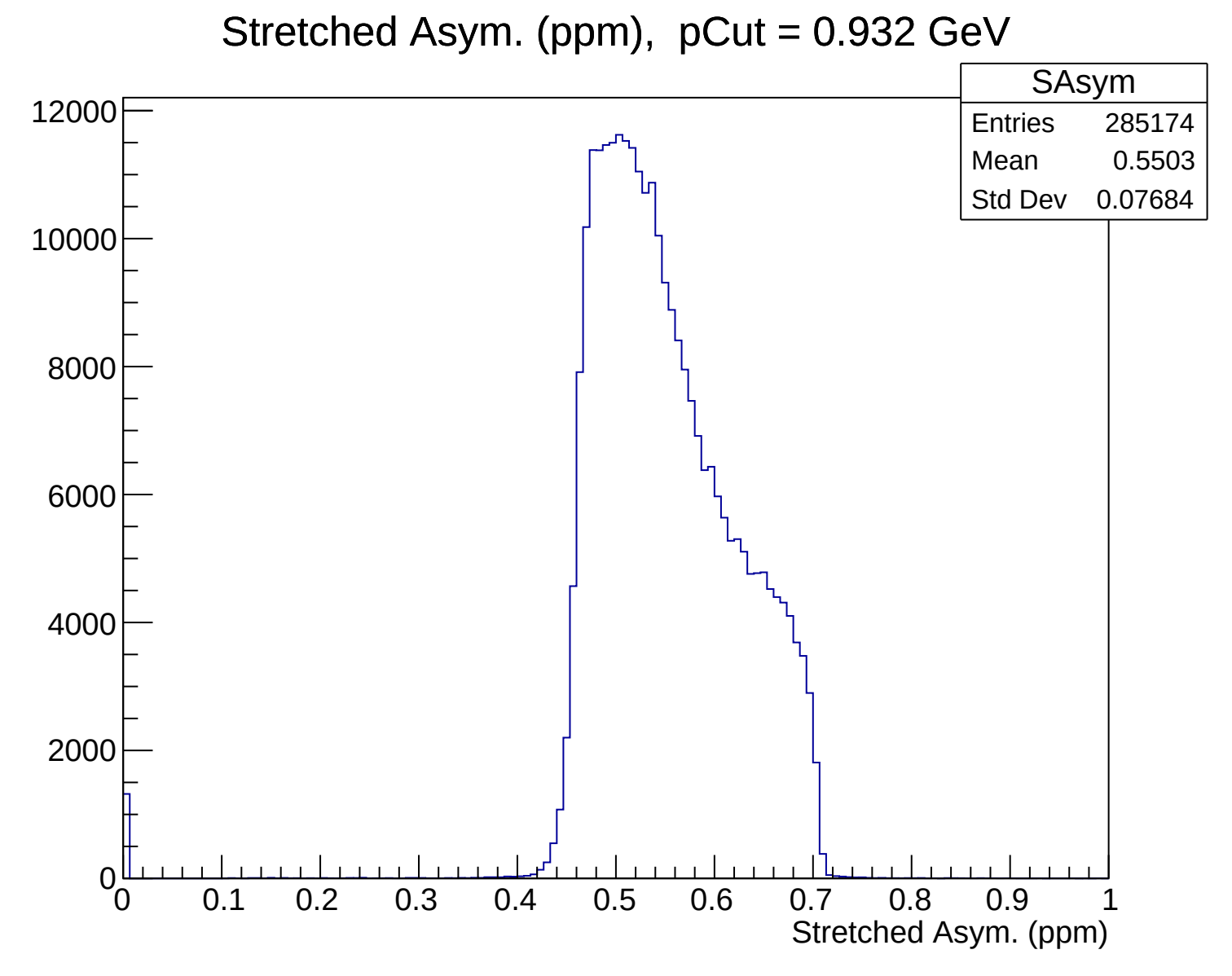

Sensitivity, pCut = 0.931 GeV
sens
Entries 293035
Mean 0.02178
Std Dev 0.004027
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

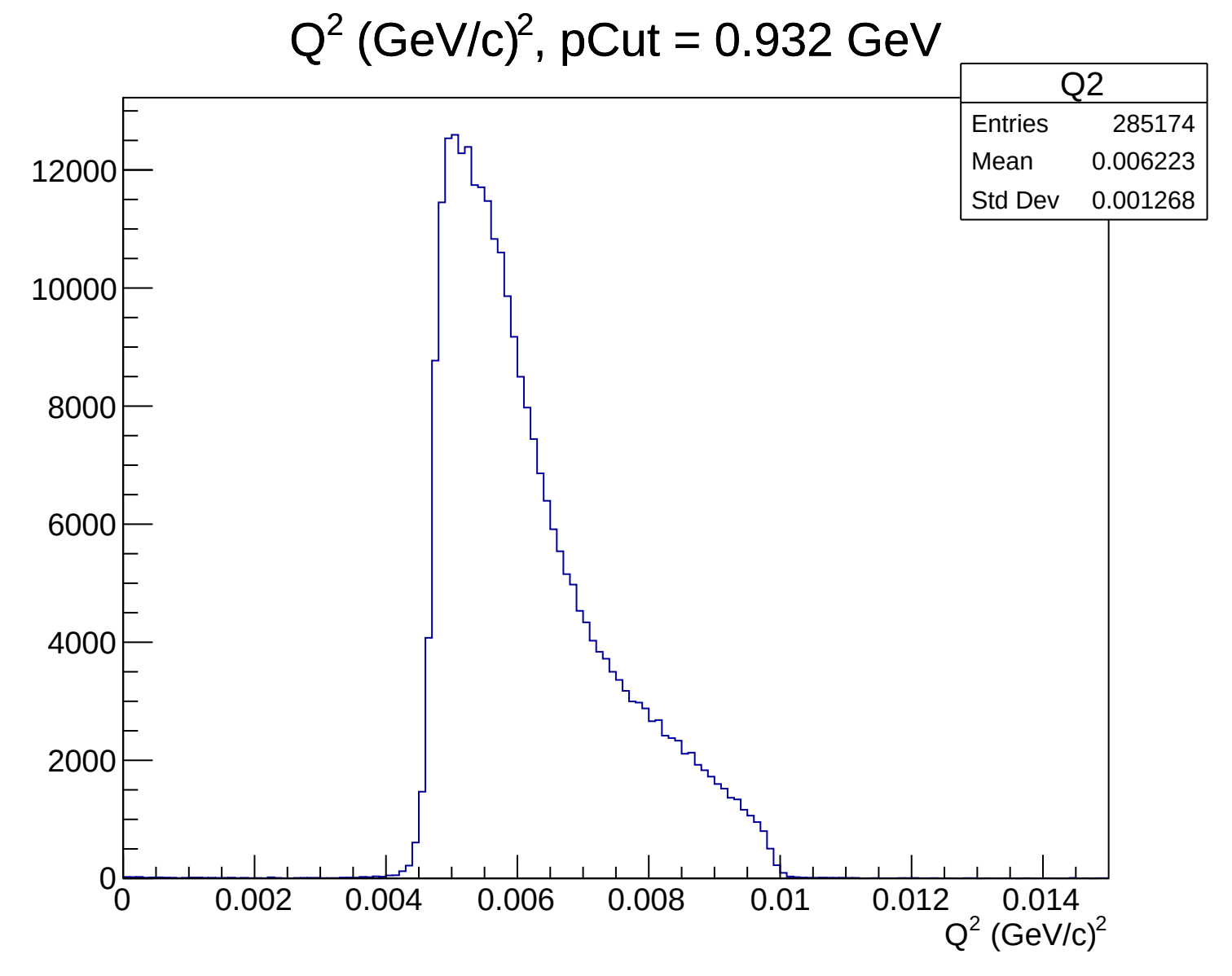

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

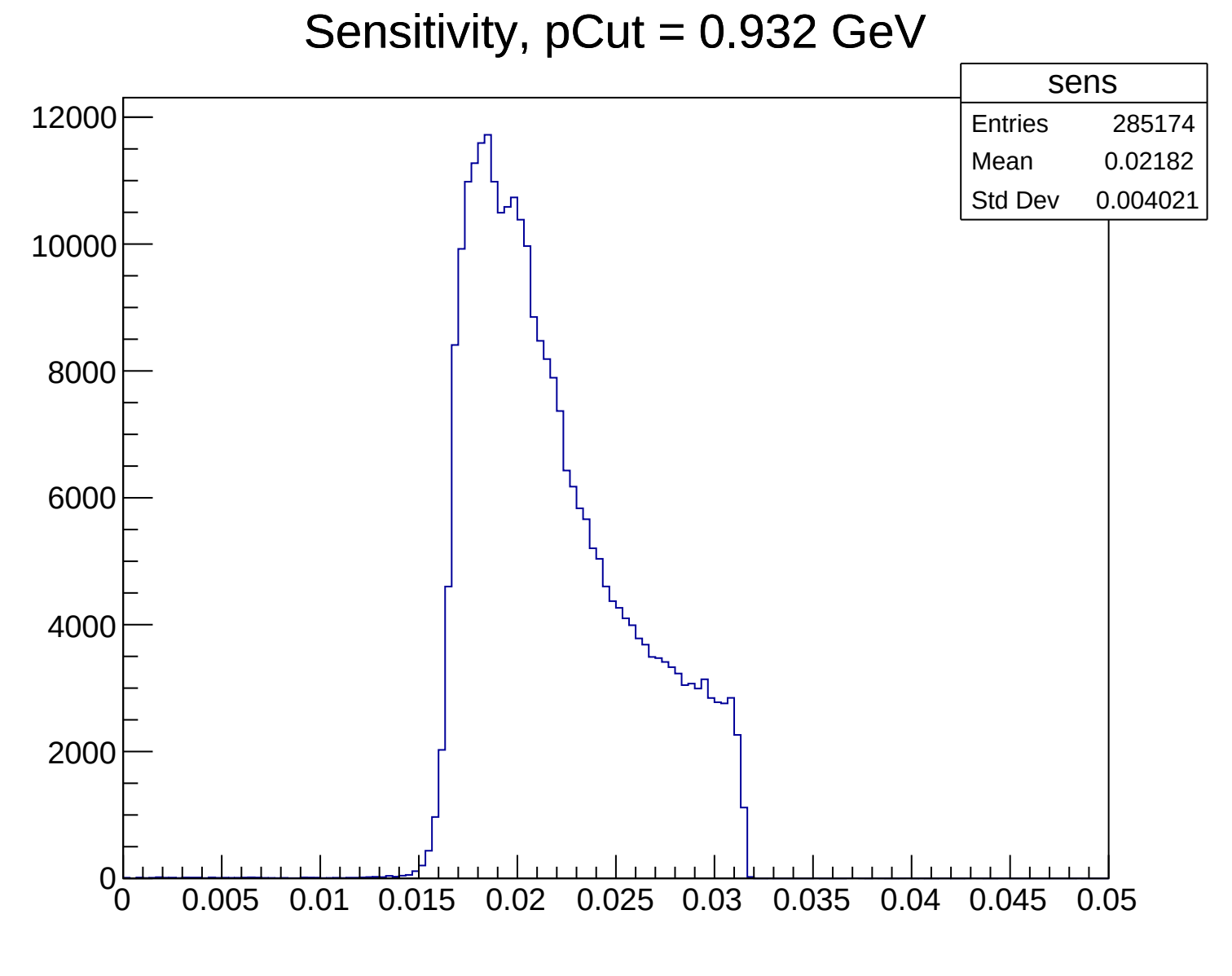

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9320 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

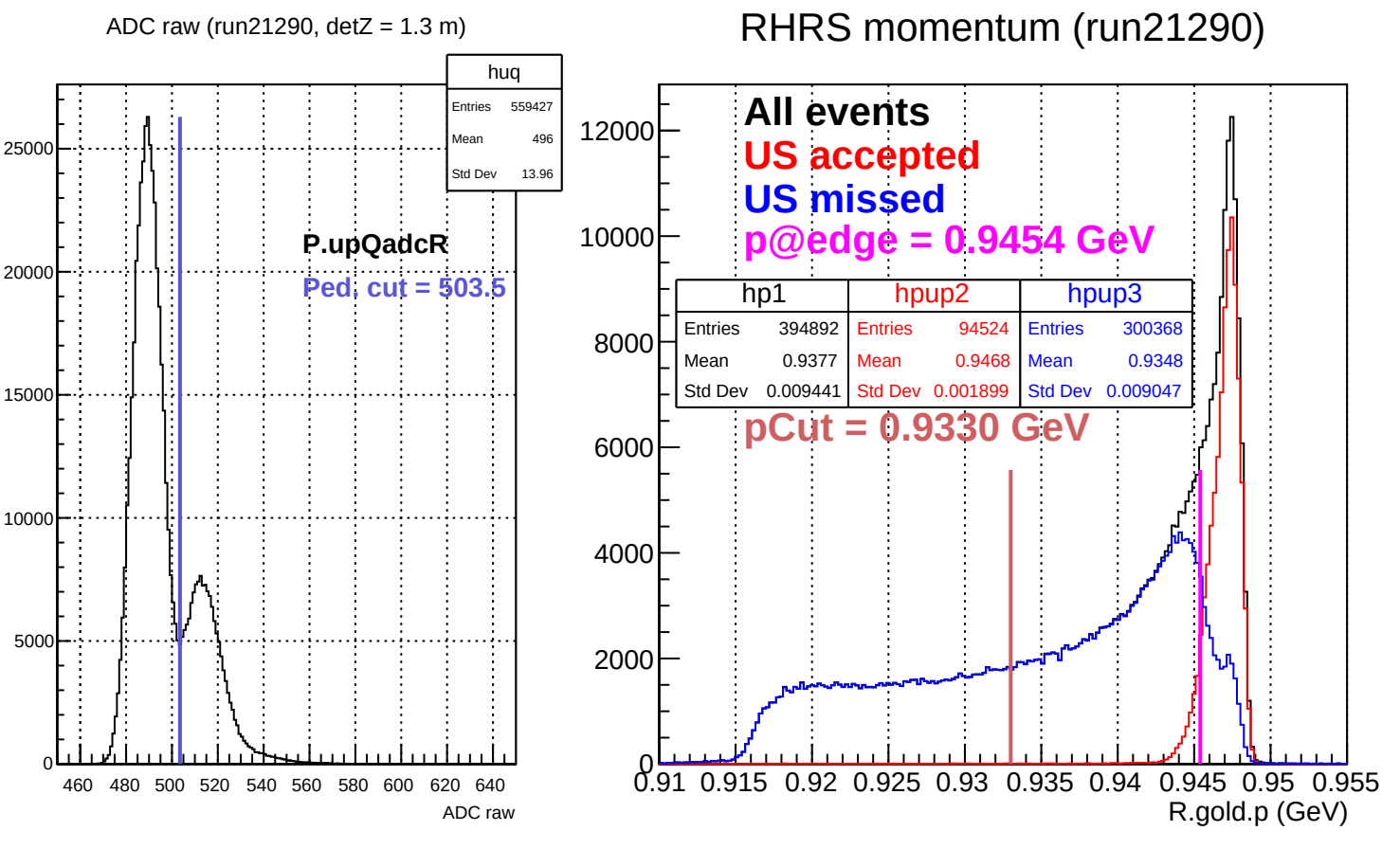

θlab (deg), pCut = 0.932 GeV
Theta
Entries 285174
Mean 4.756
Std Dev 0.4692
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

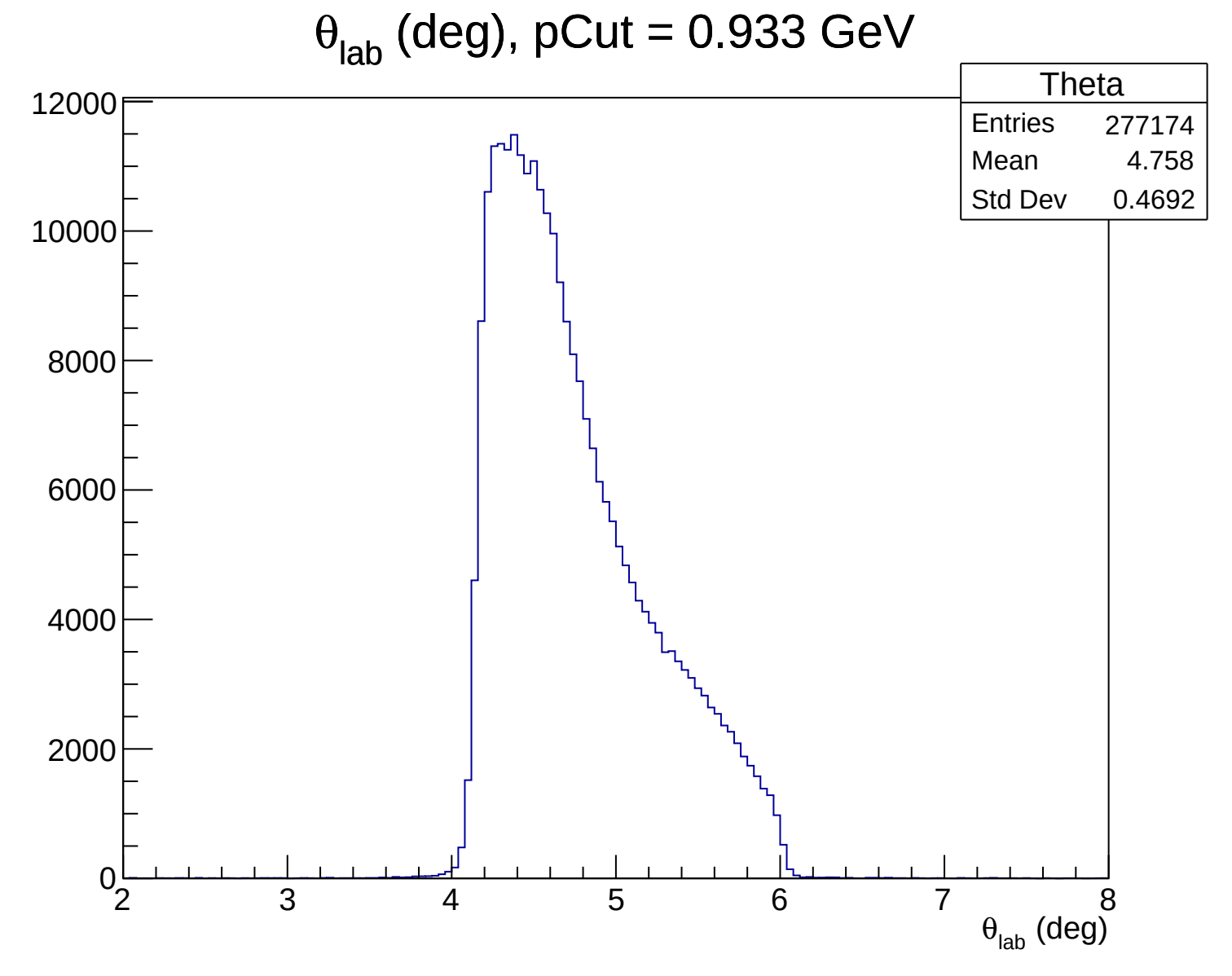

Asymmetry (ppm), pCut = 0.932 GeV
Asym
Entries 285174
Mean 0.5628
Std Dev 0.08069
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

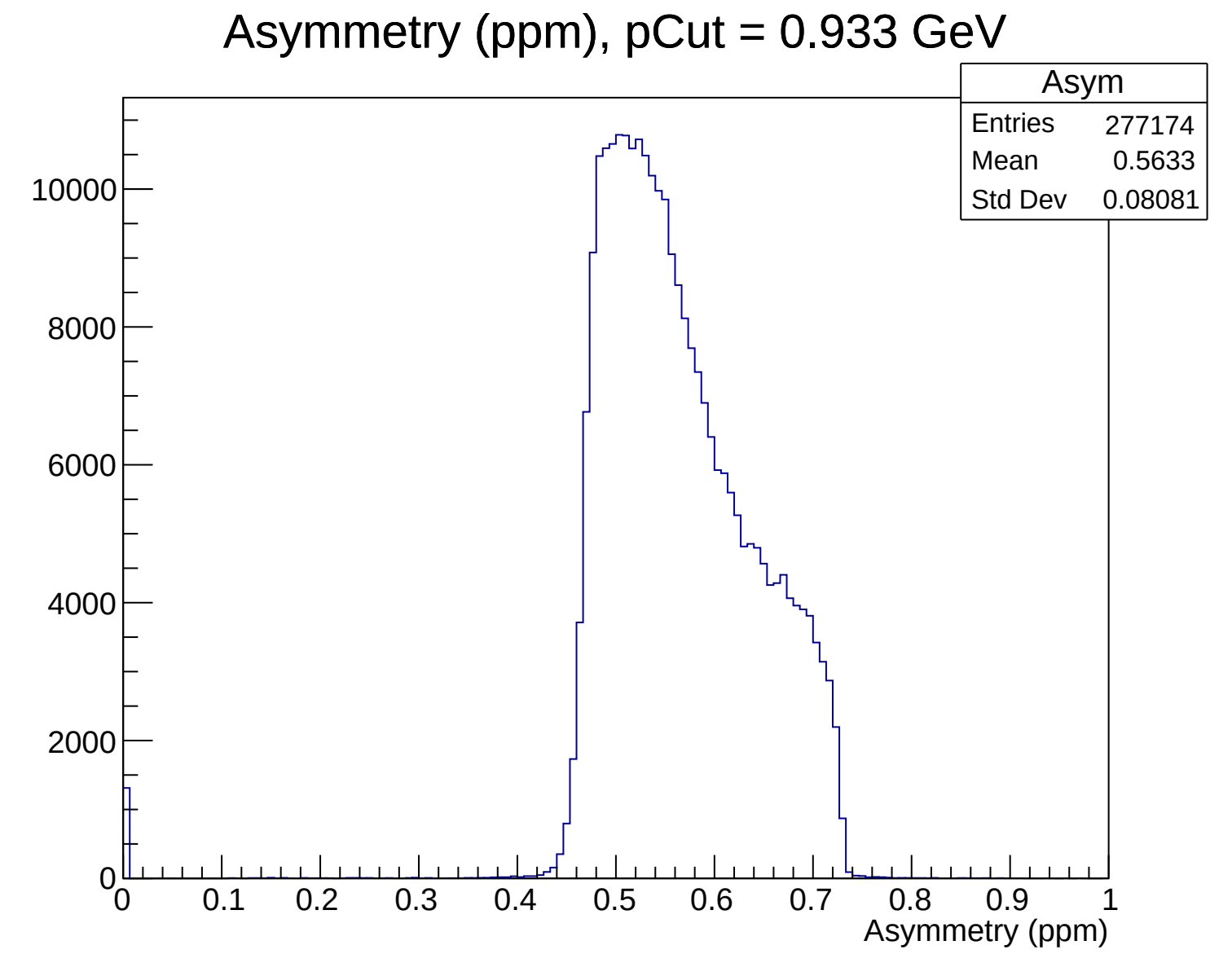

Stretched Asym. (ppm), pCut = 0.932 GeV
SAsym
Entries 285174
Mean 0.5503
Std Dev 0.07684
12000
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

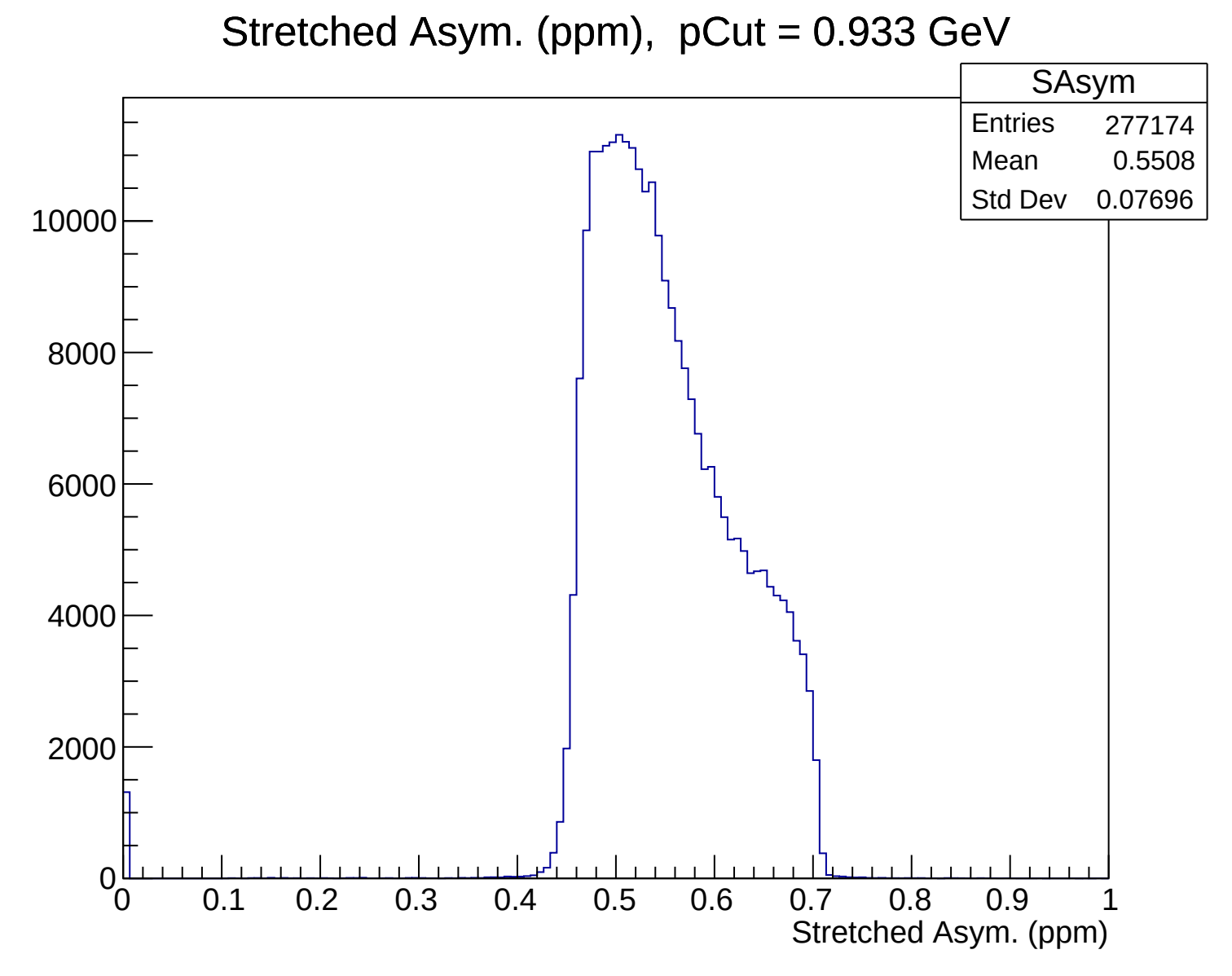

Q^2 (GeV/c)^2, pCut = 0.932 GeV
Q2
Entries 285174
Mean 0.006223
Std Dev 0.001268
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

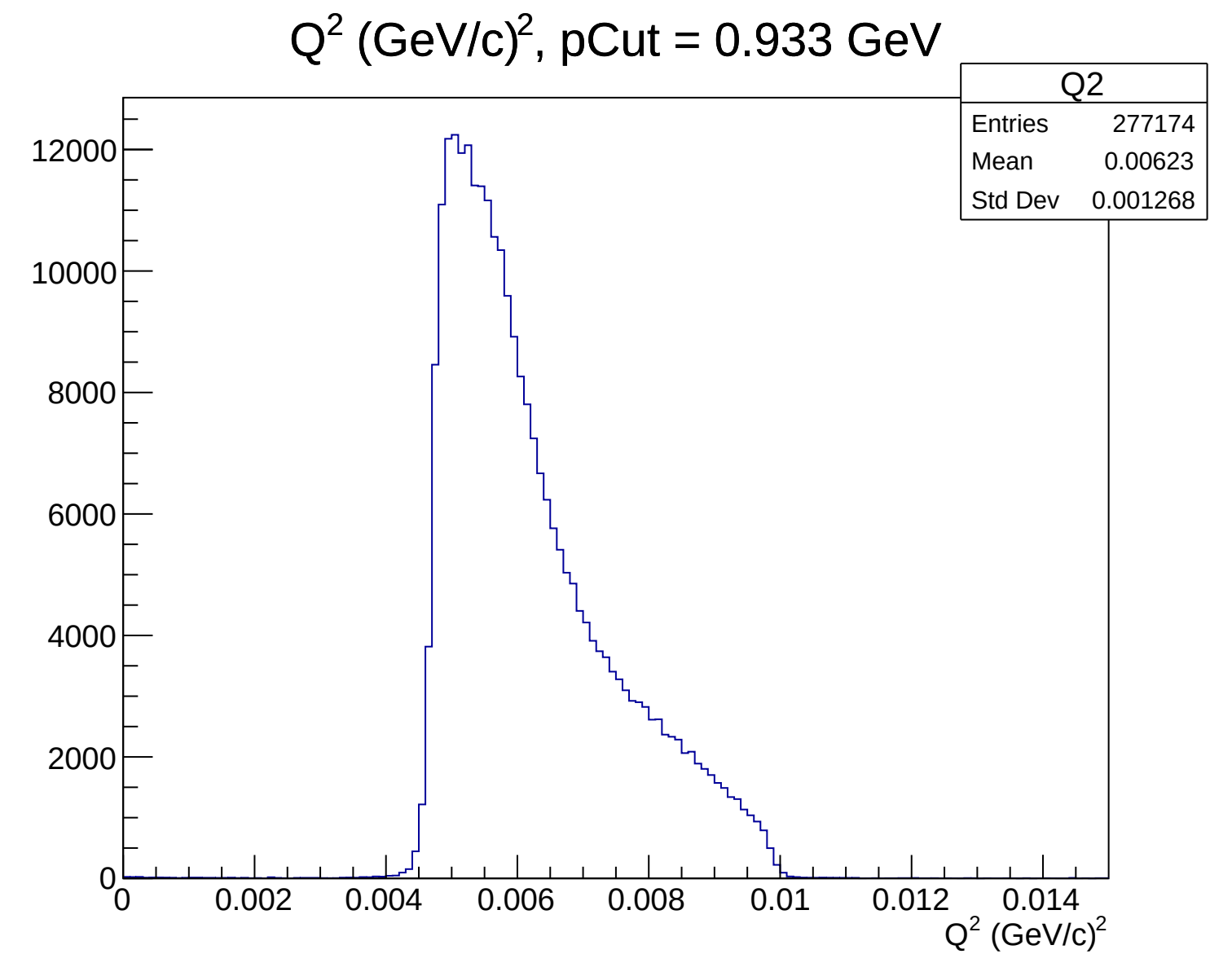

Sensitivity, pCut = 0.932 GeV
sens
Entries 285174
Mean 0.02182
Std Dev 0.004021
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

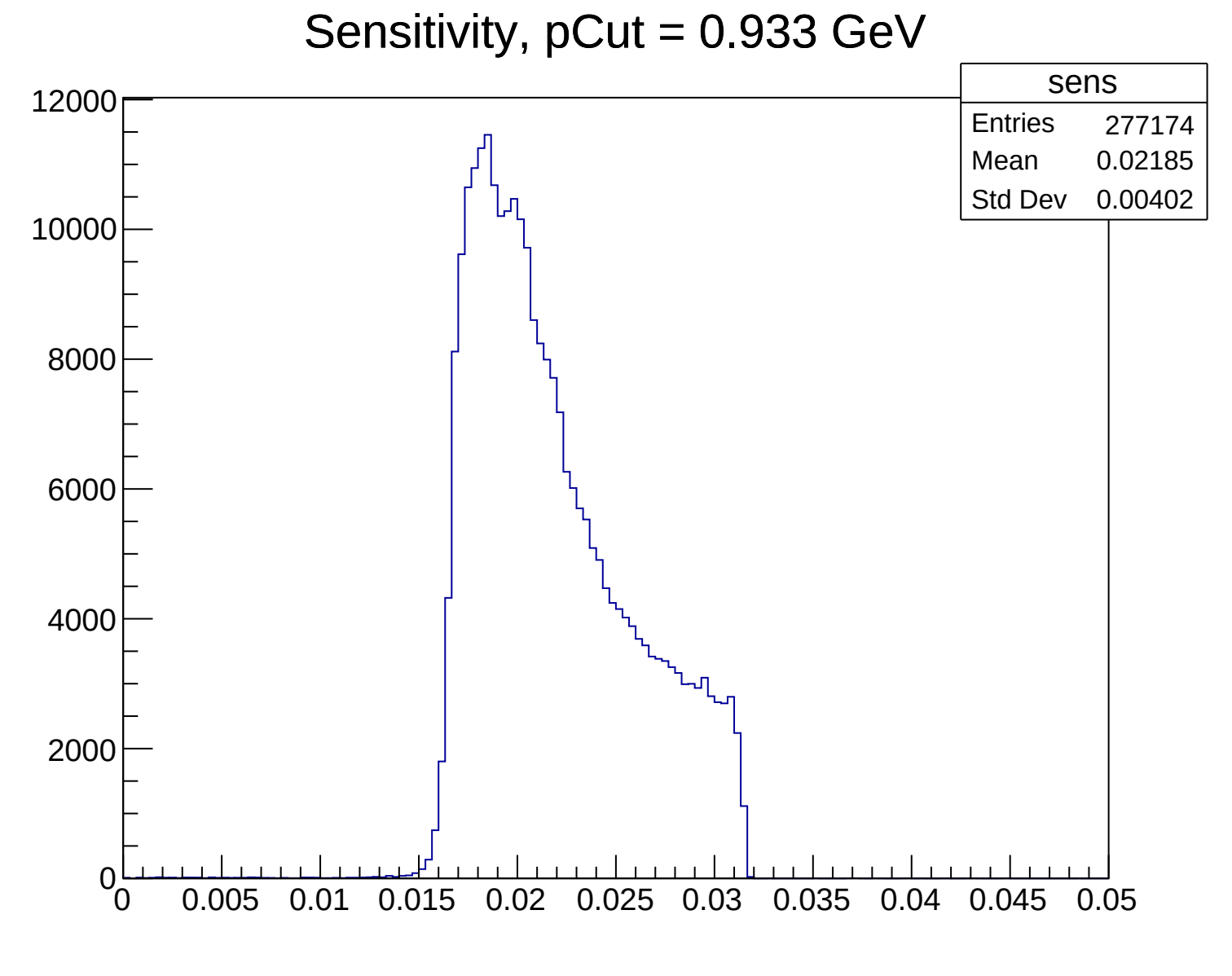

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
ADC raw
RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9330 GeV
R.gold.p (GeV)

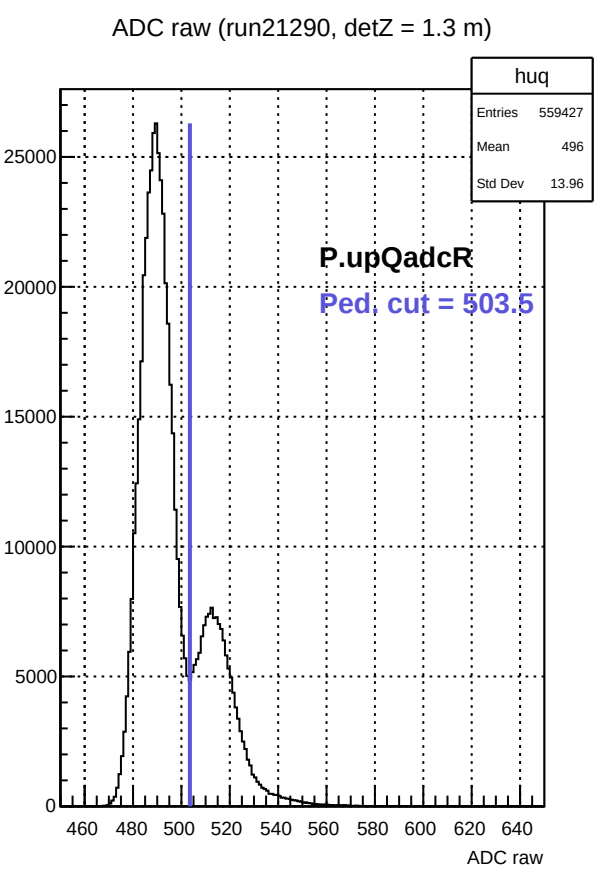

θlab (deg), pCut = 0.933 GeV
Theta
Entries 277174
Mean 4.758
Std Dev 0.4692
12000
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

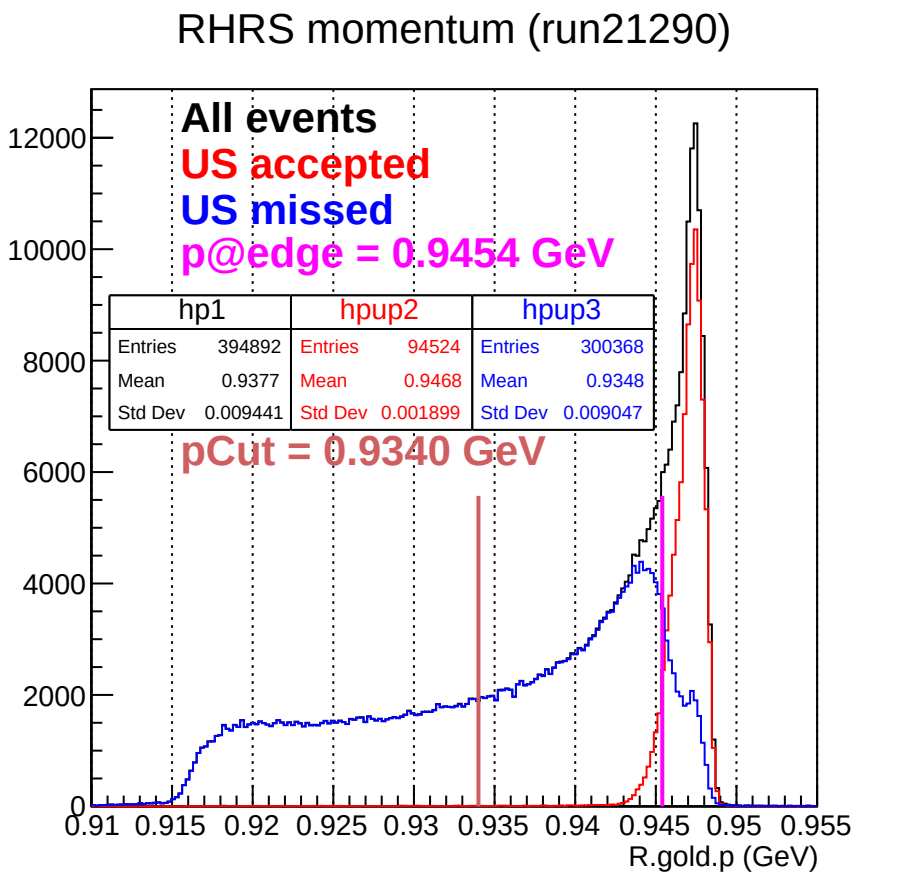

Asymmetry (ppm), pCut = 0.933 GeV
Asym
Entries 277174
Mean 0.5633
Std Dev 0.08081
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

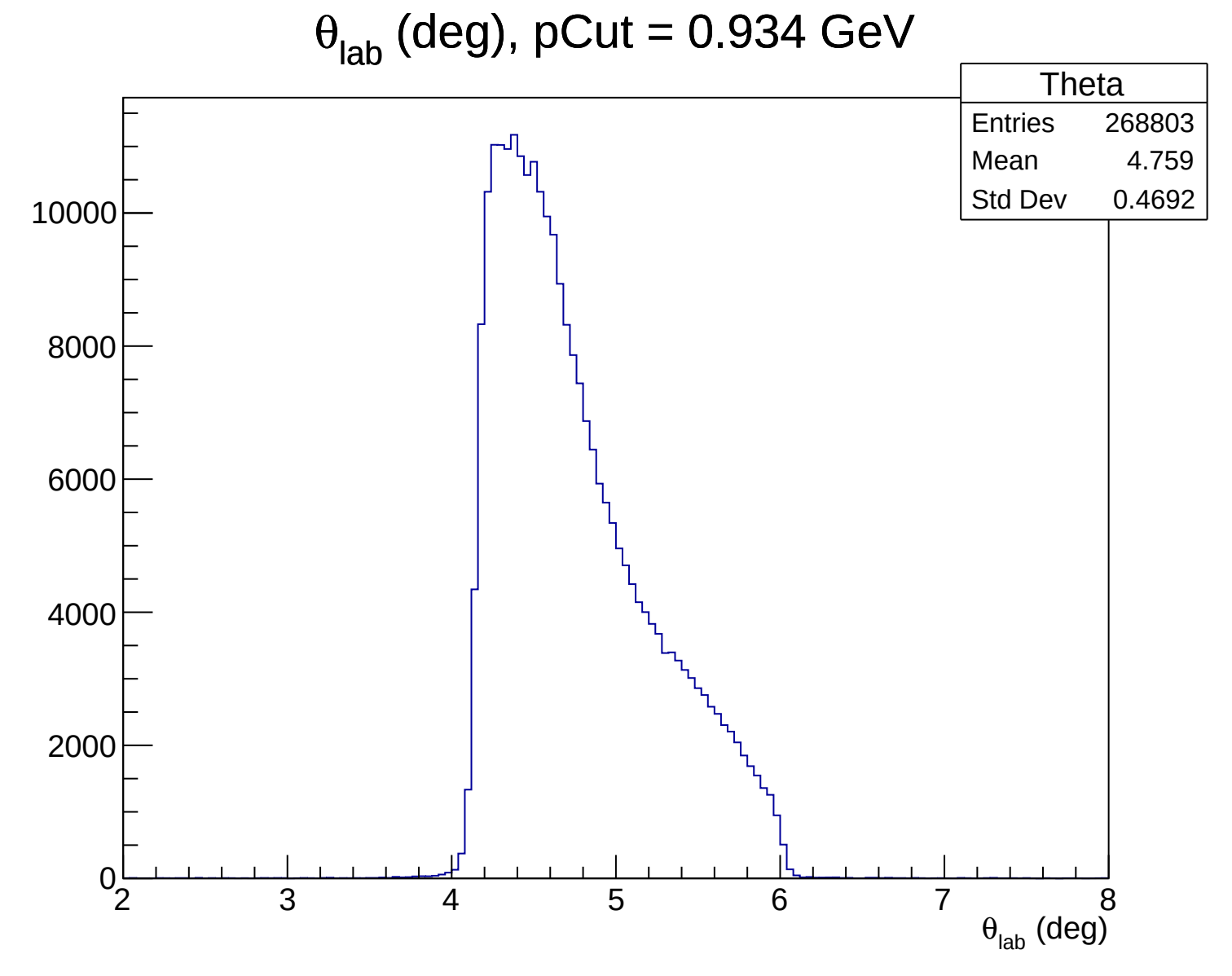

Stretched Asym. (ppm), pCut = 0.933 GeV
SAsym
Entries 277174
Mean 0.5508
Std Dev 0.07696
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

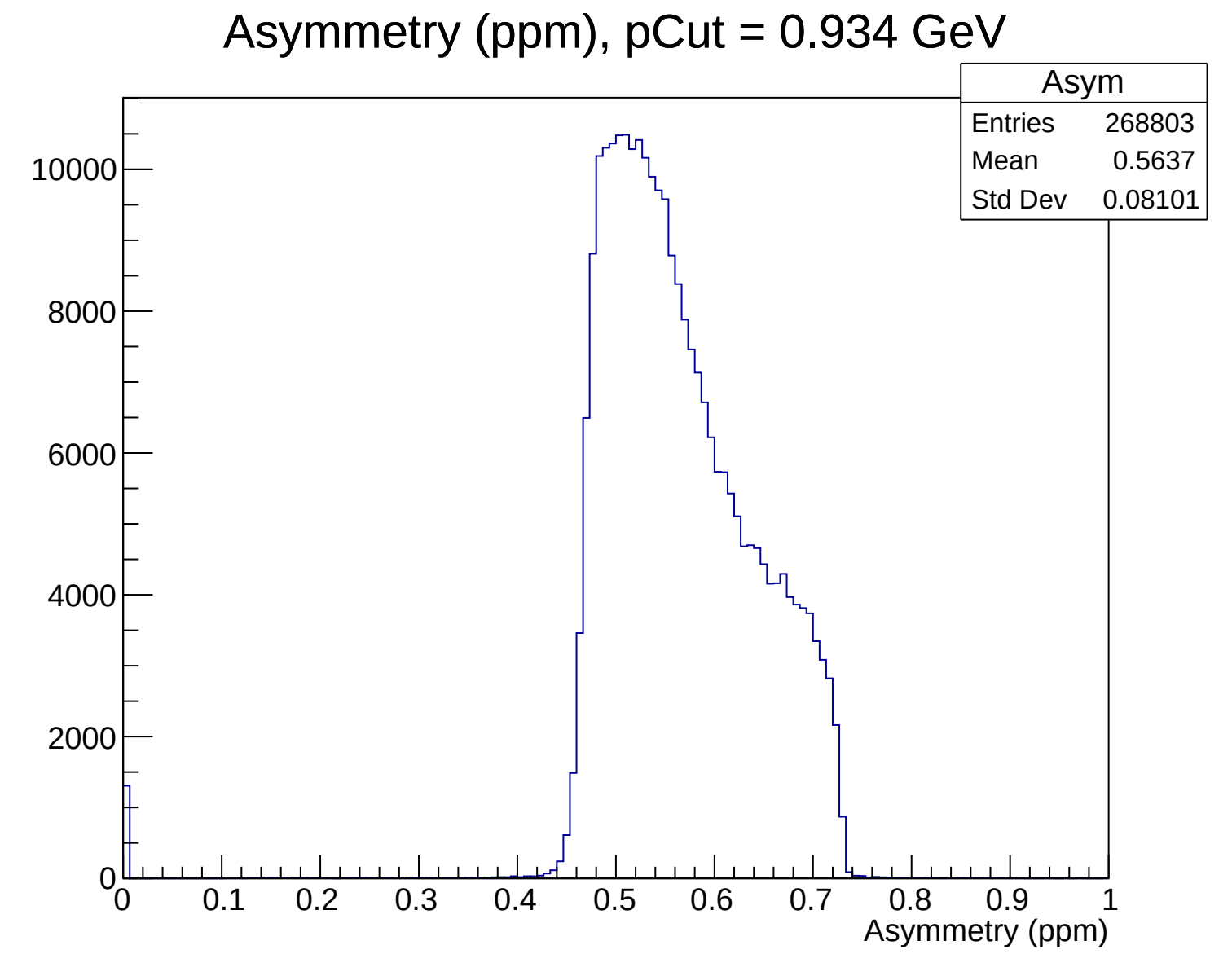

Q^2 (GeV/c)^2, pCut = 0.933 GeV
Q2
Entries 277174
Mean 0.00623
Std Dev 0.001268
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

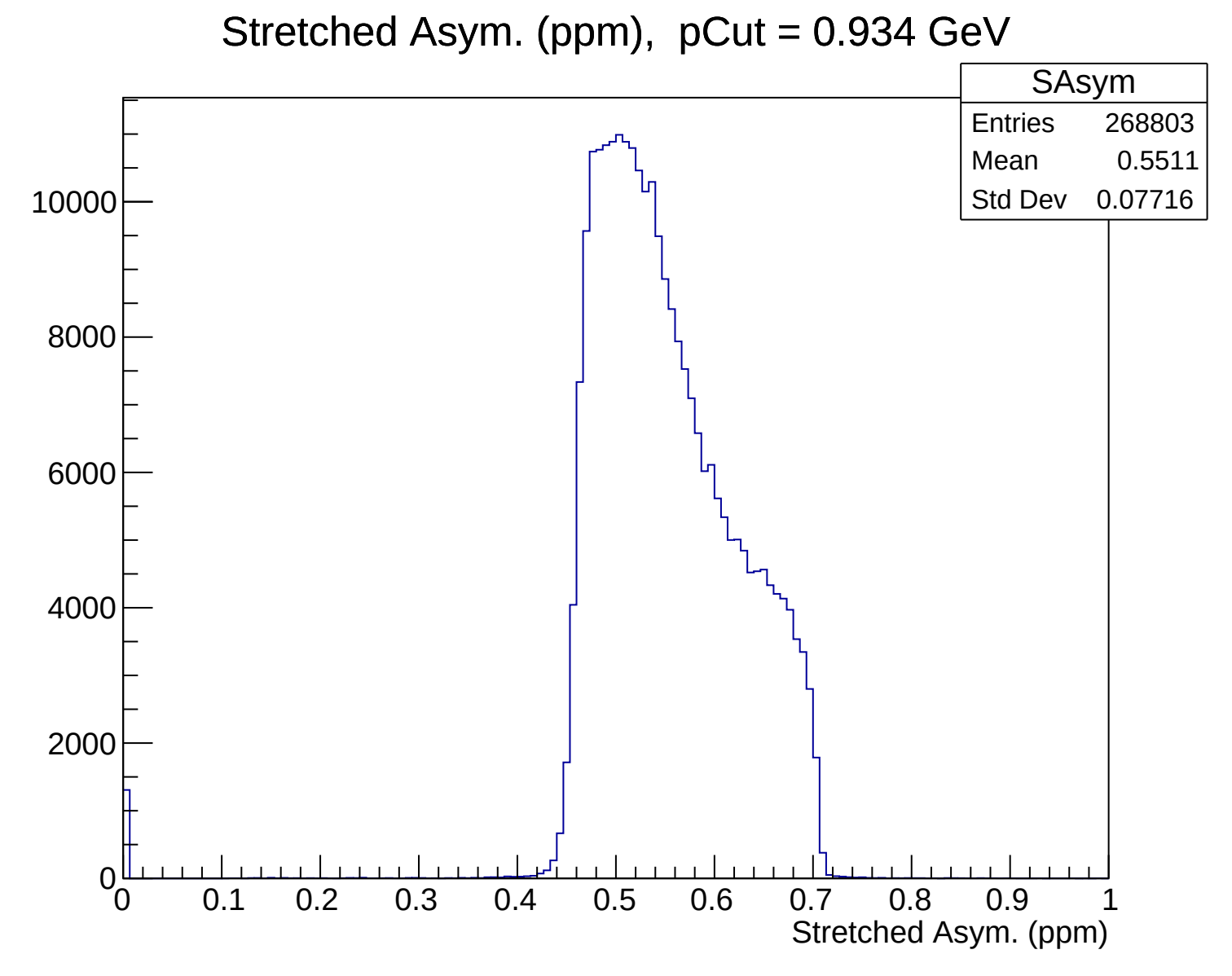

Sensitivity, pCut = 0.933 GeV
sens
Entries 277174
Mean 0.02185
Std Dev 0.00402
12000
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

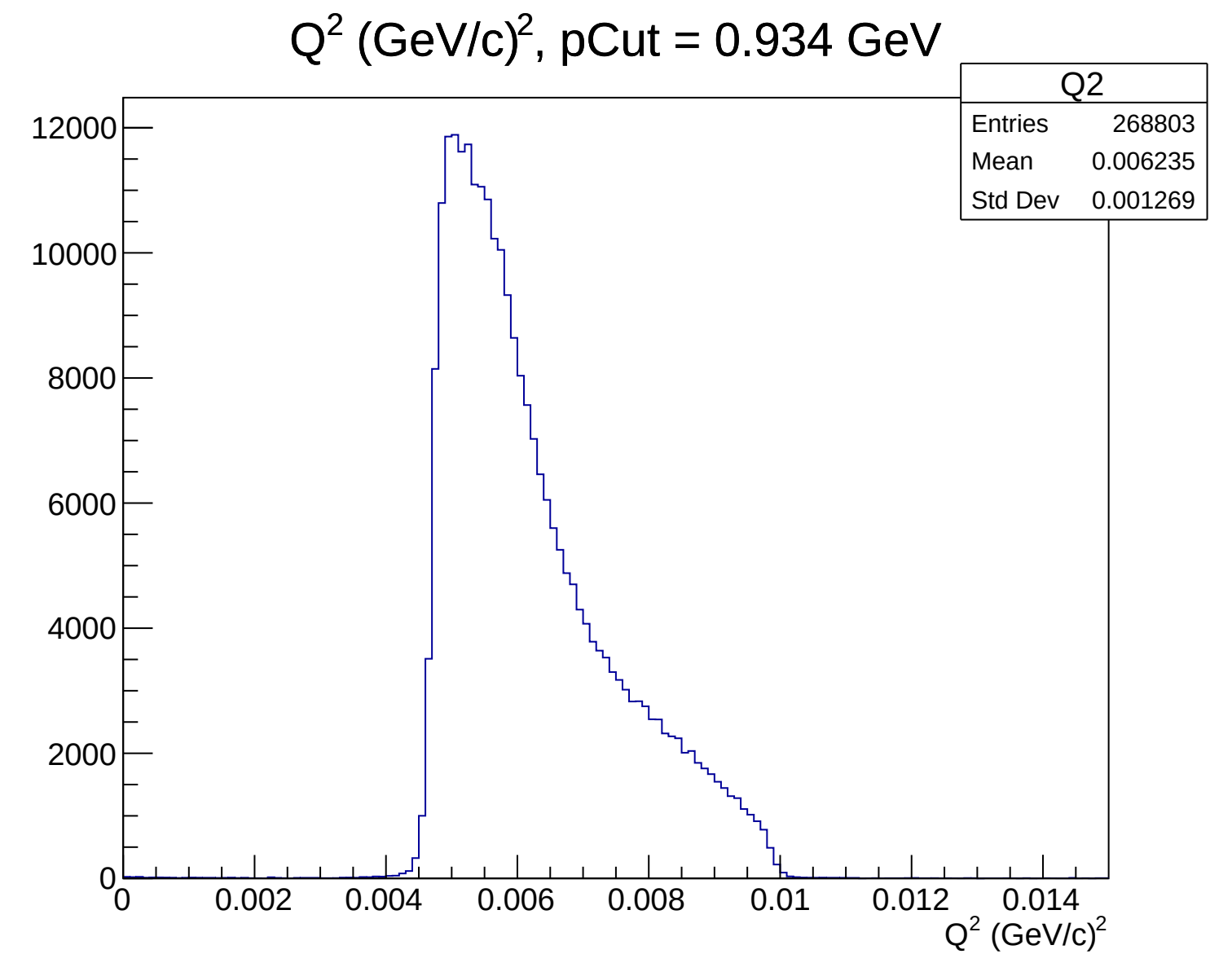

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

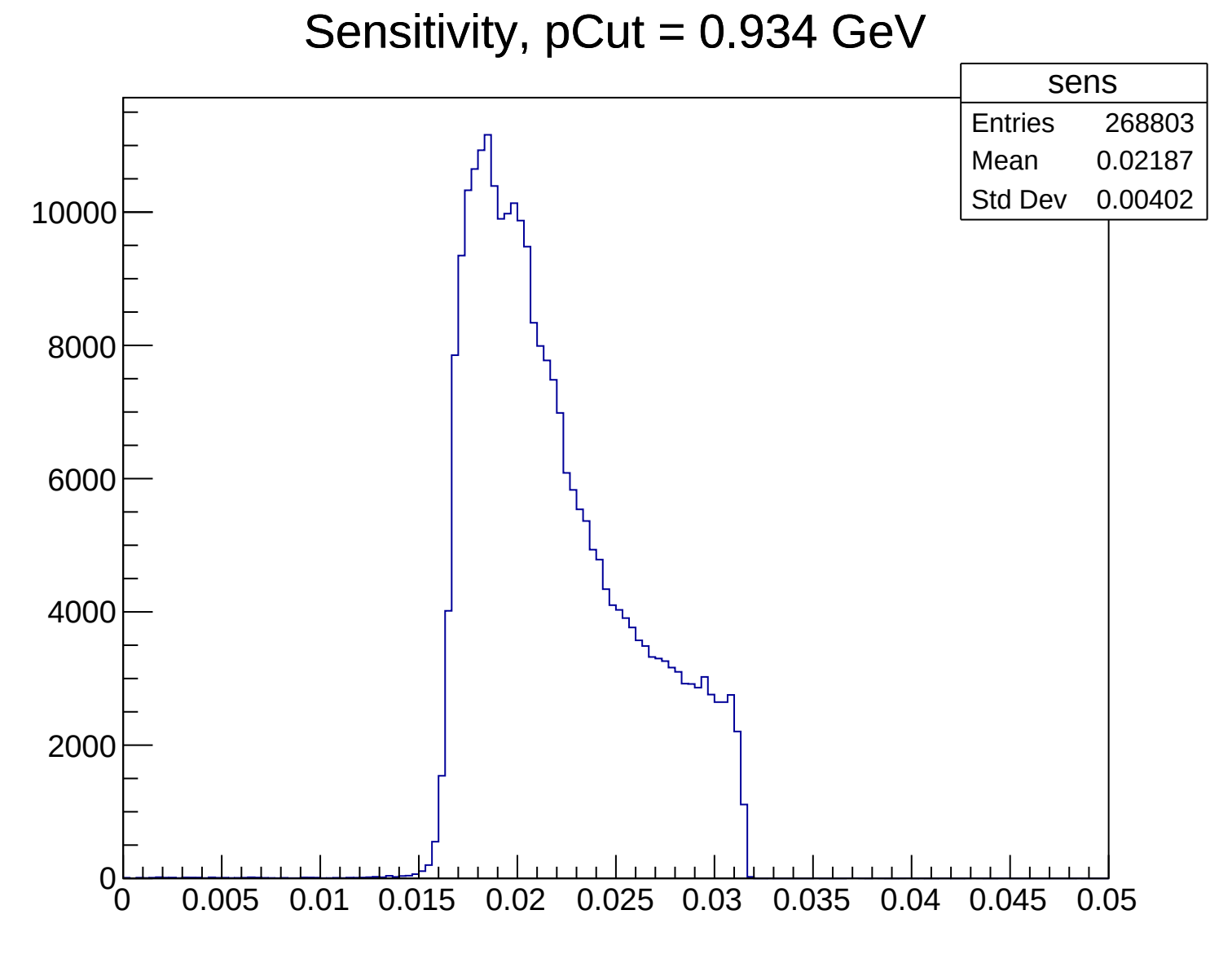

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9340 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

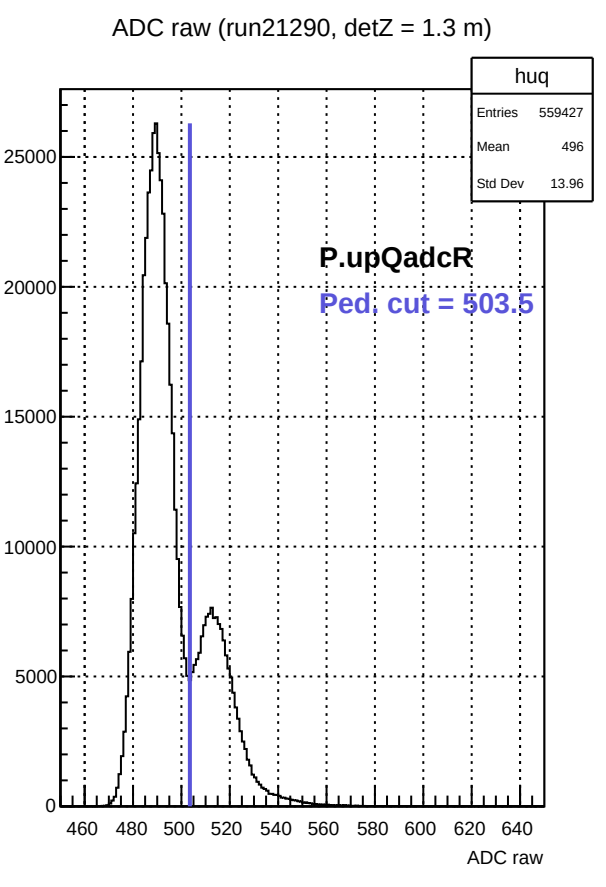

θlab (deg), pCut = 0.934 GeV
Theta
Entries 268803
Mean 4.759
Std Dev 0.4692
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

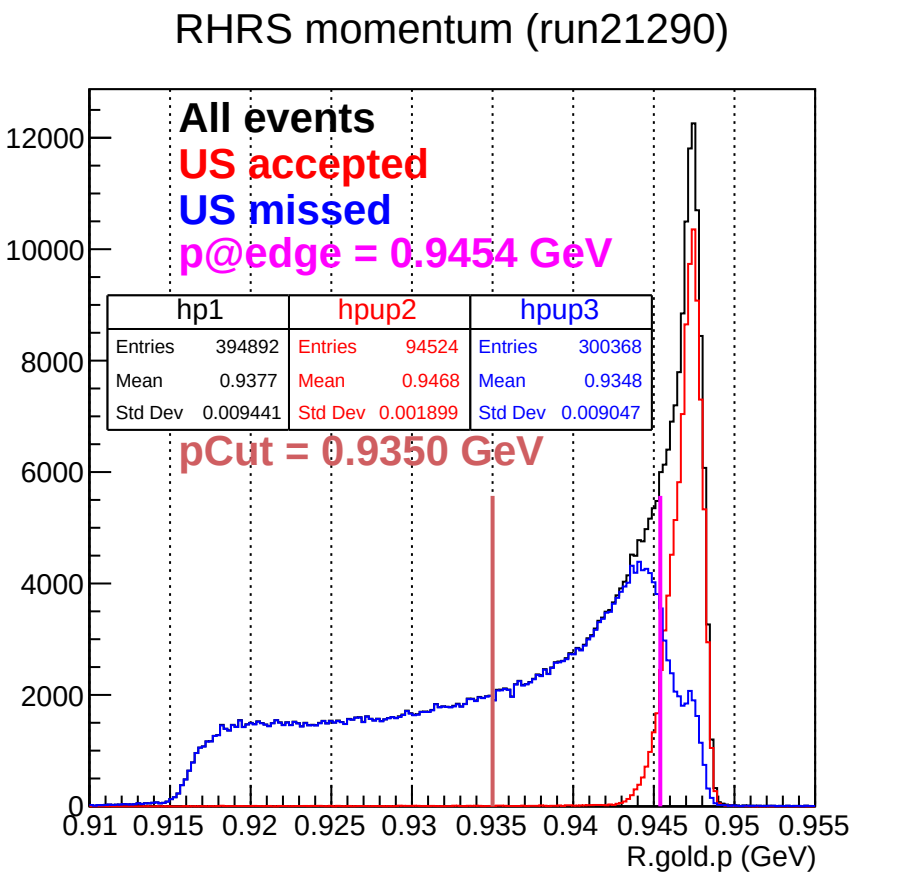

Asymmetry (ppm), pCut = 0.934 GeV
Asym
Entries 268803
Mean 0.5637
Std Dev 0.08101
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

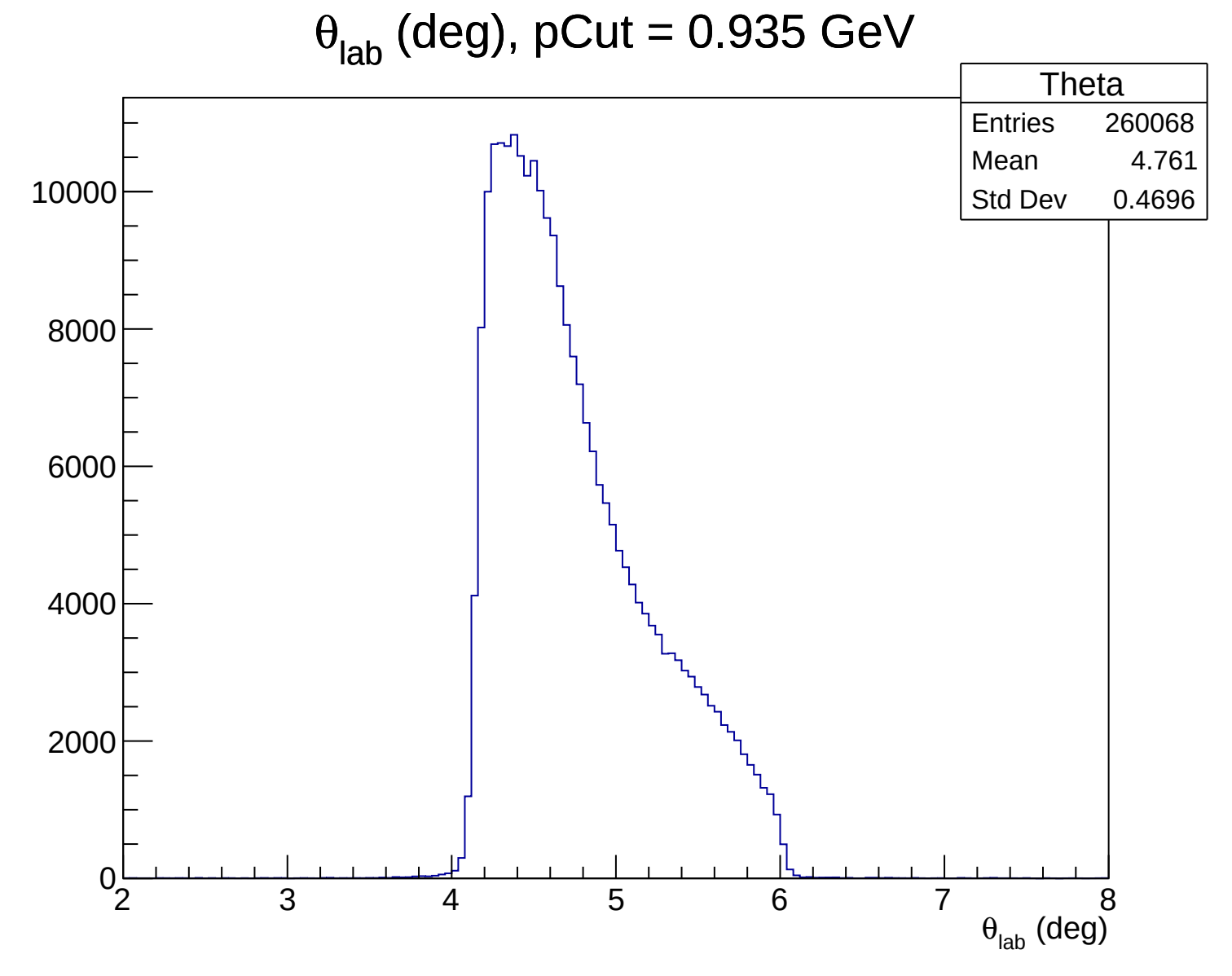

Stretched Asym. (ppm), pCut = 0.934 GeV
SAsym
Entries 268803
Mean 0.5511
Std Dev 0.07716
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

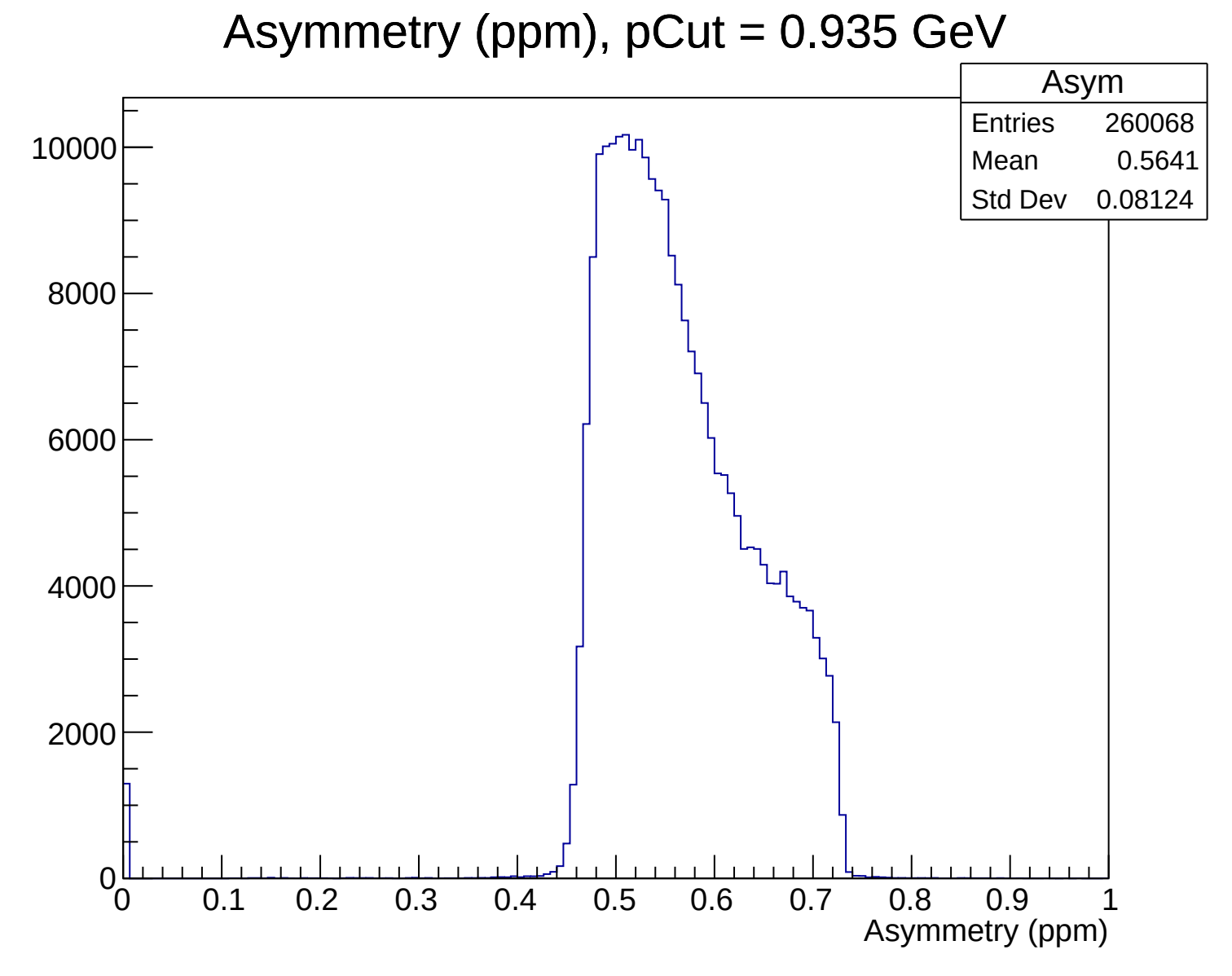

Q^2 (GeV/c)^2, pCut = 0.934 GeV
Q2
Entries 268803
Mean 0.006235
Std Dev 0.001269
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

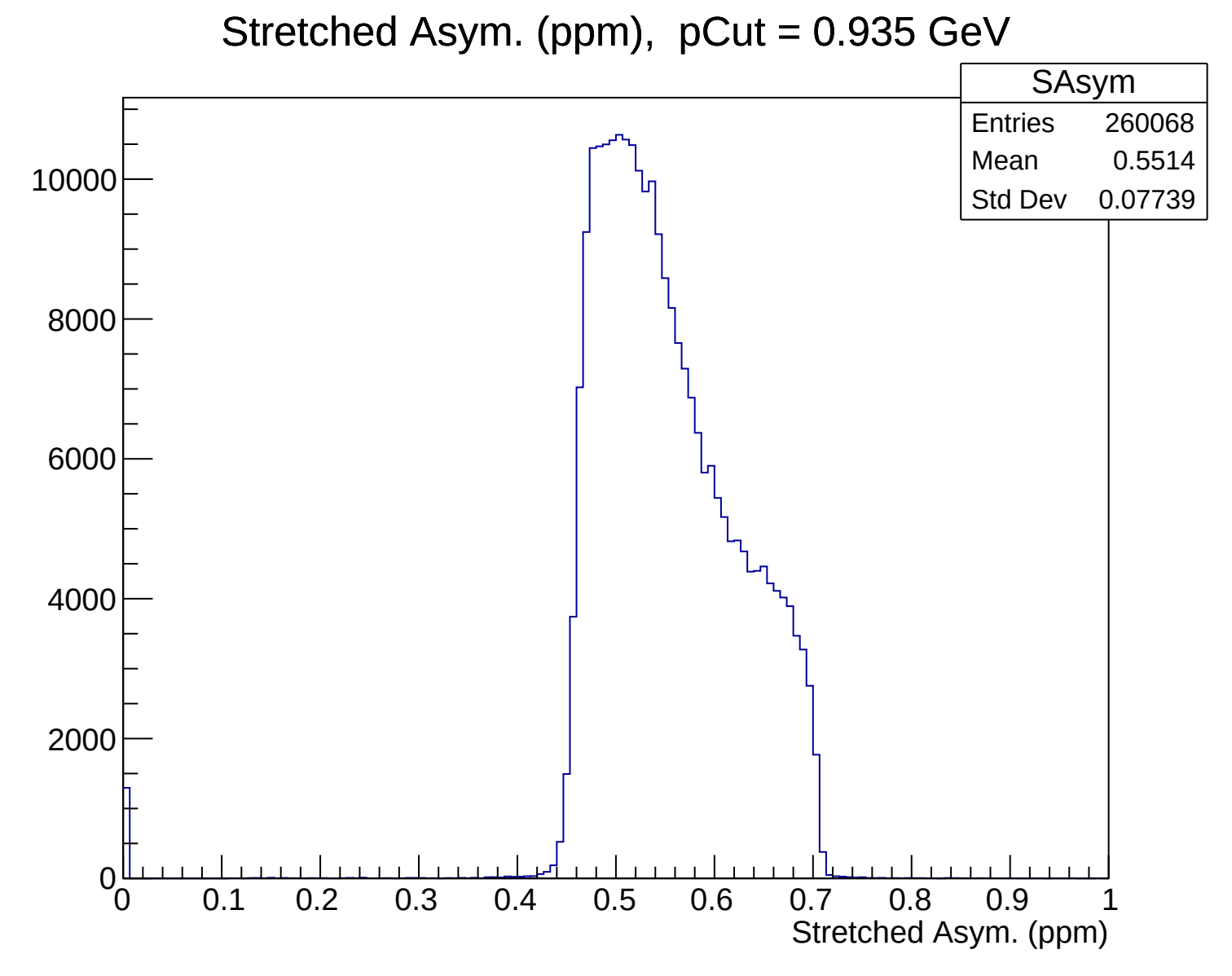

Sensitivity, pCut = 0.934 GeV
sens
Entries 268803
Mean 0.02187
Std Dev 0.00402
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

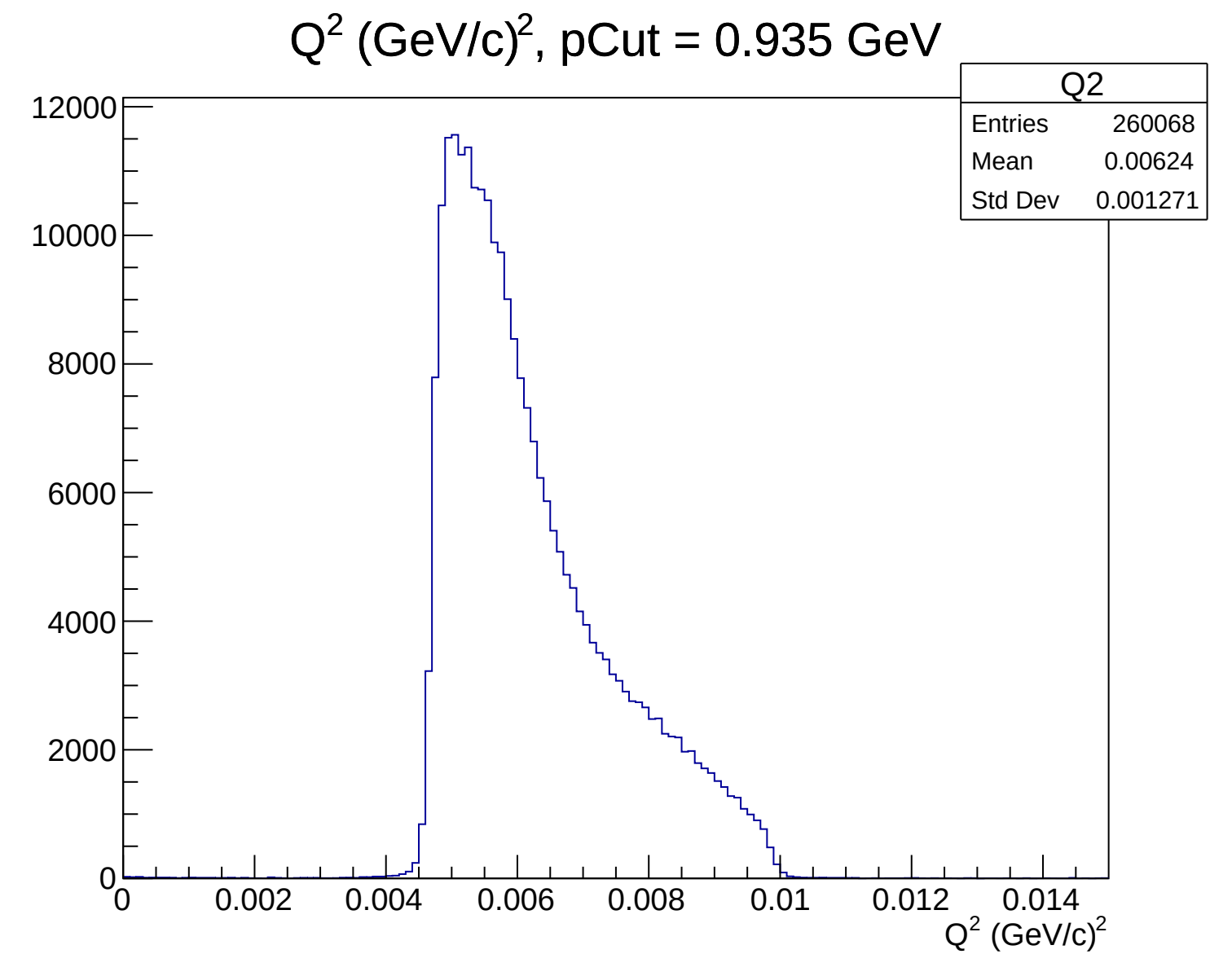

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

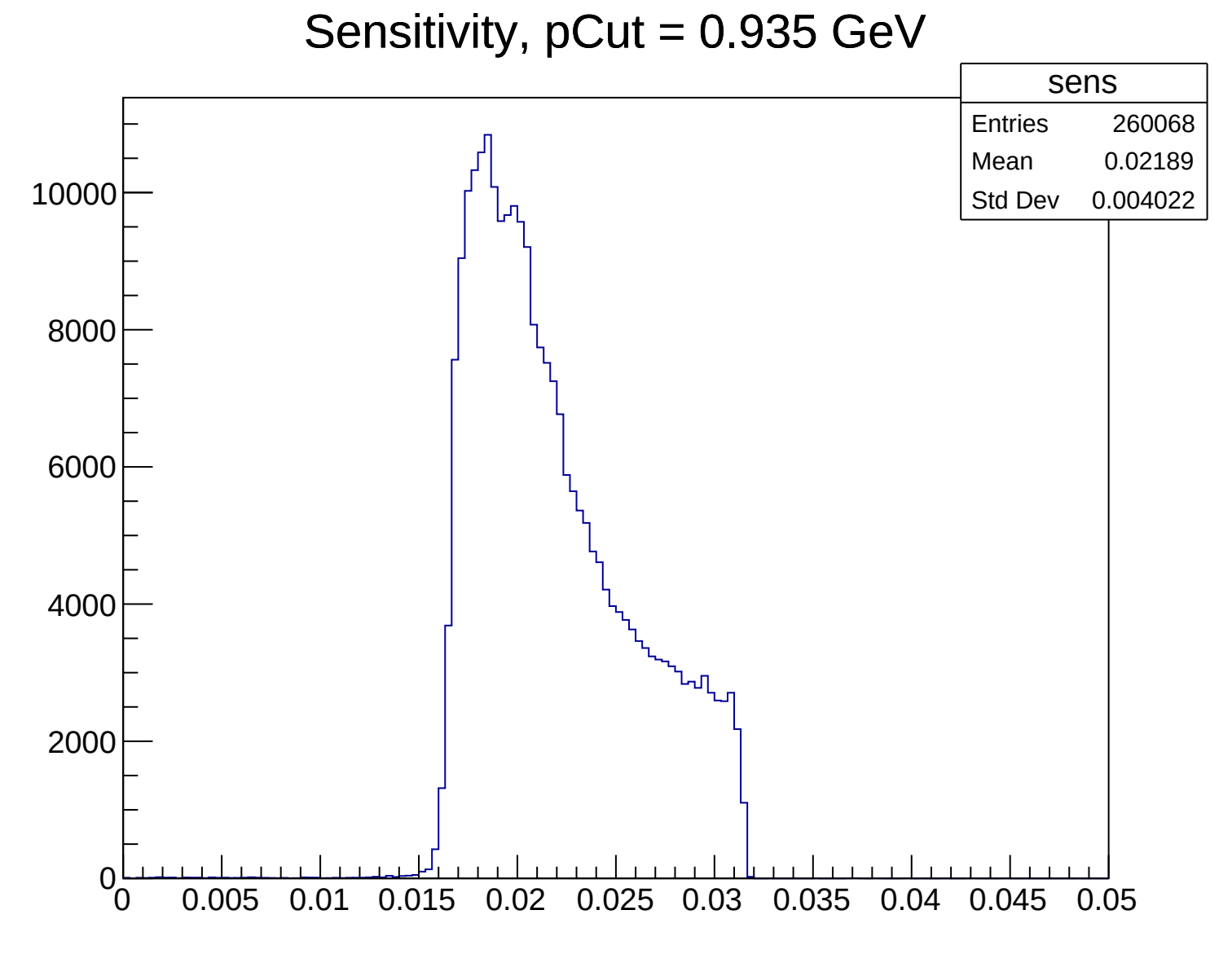

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9350 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

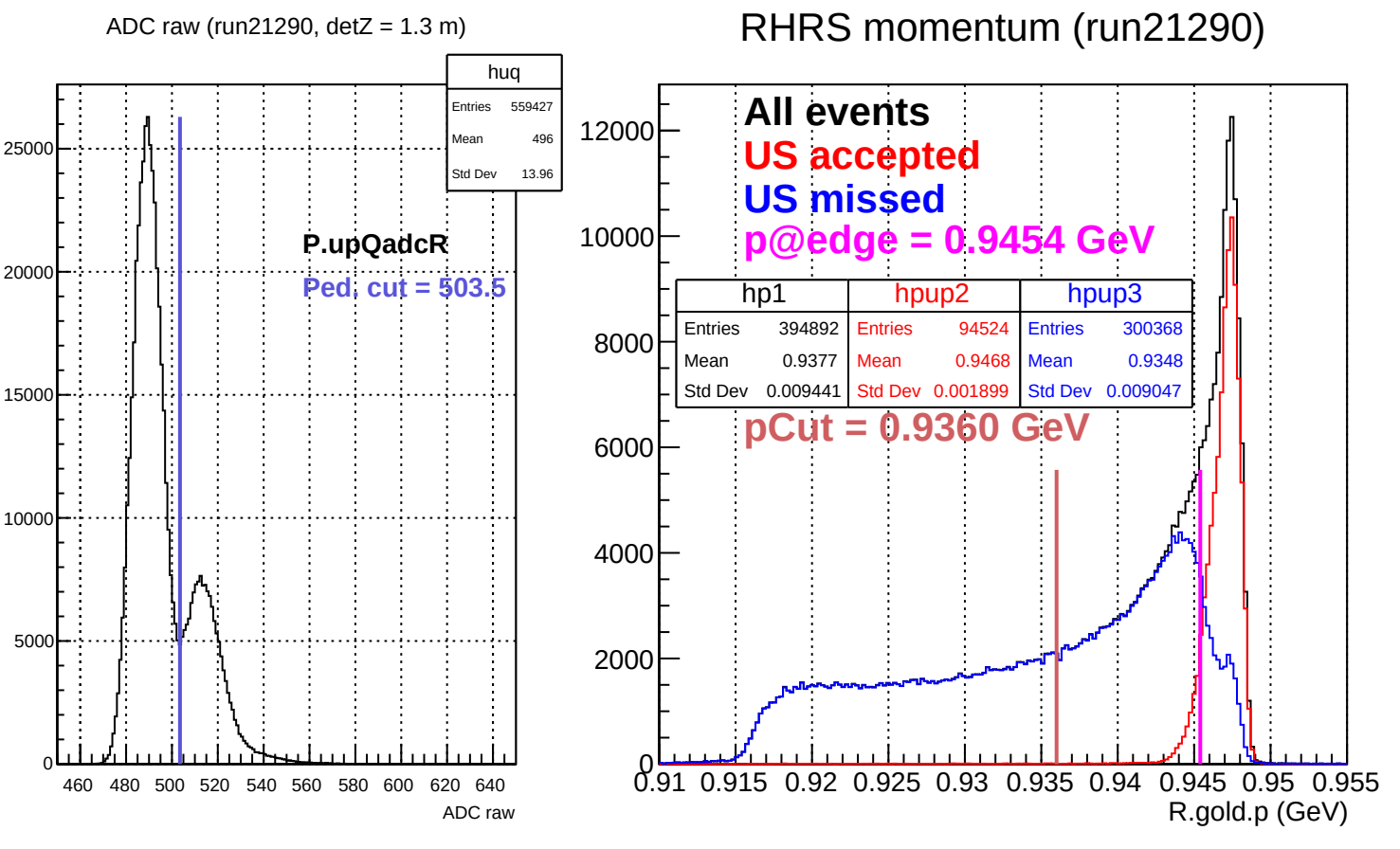

θlab (deg), pCut = 0.935 GeV
Theta
Entries 260068
Mean 4.761
Std Dev 0.4696
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

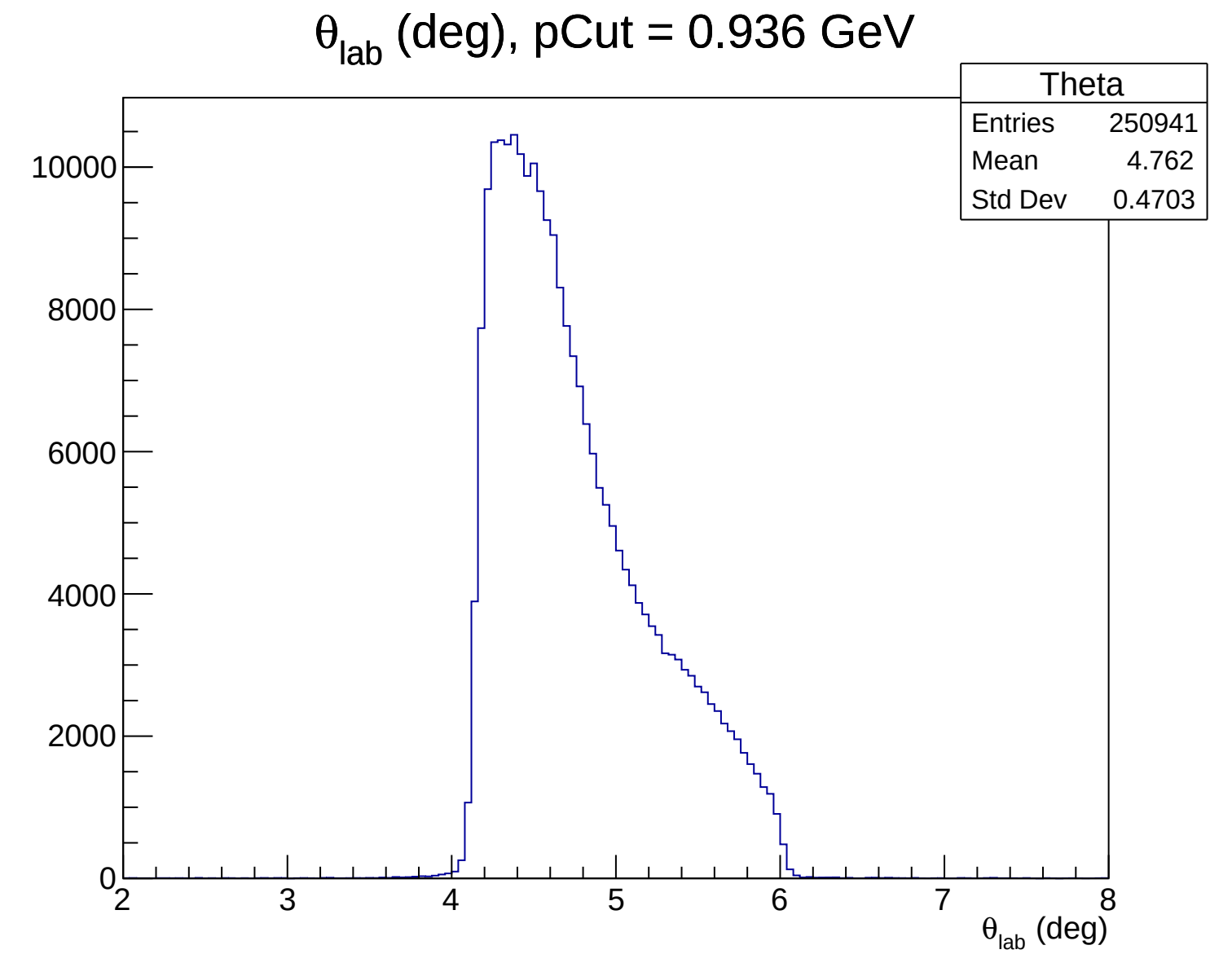

Asymmetry (ppm), pCut = 0.935 GeV
Asym
Entries 260068
Mean 0.5641
Std Dev 0.08124
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

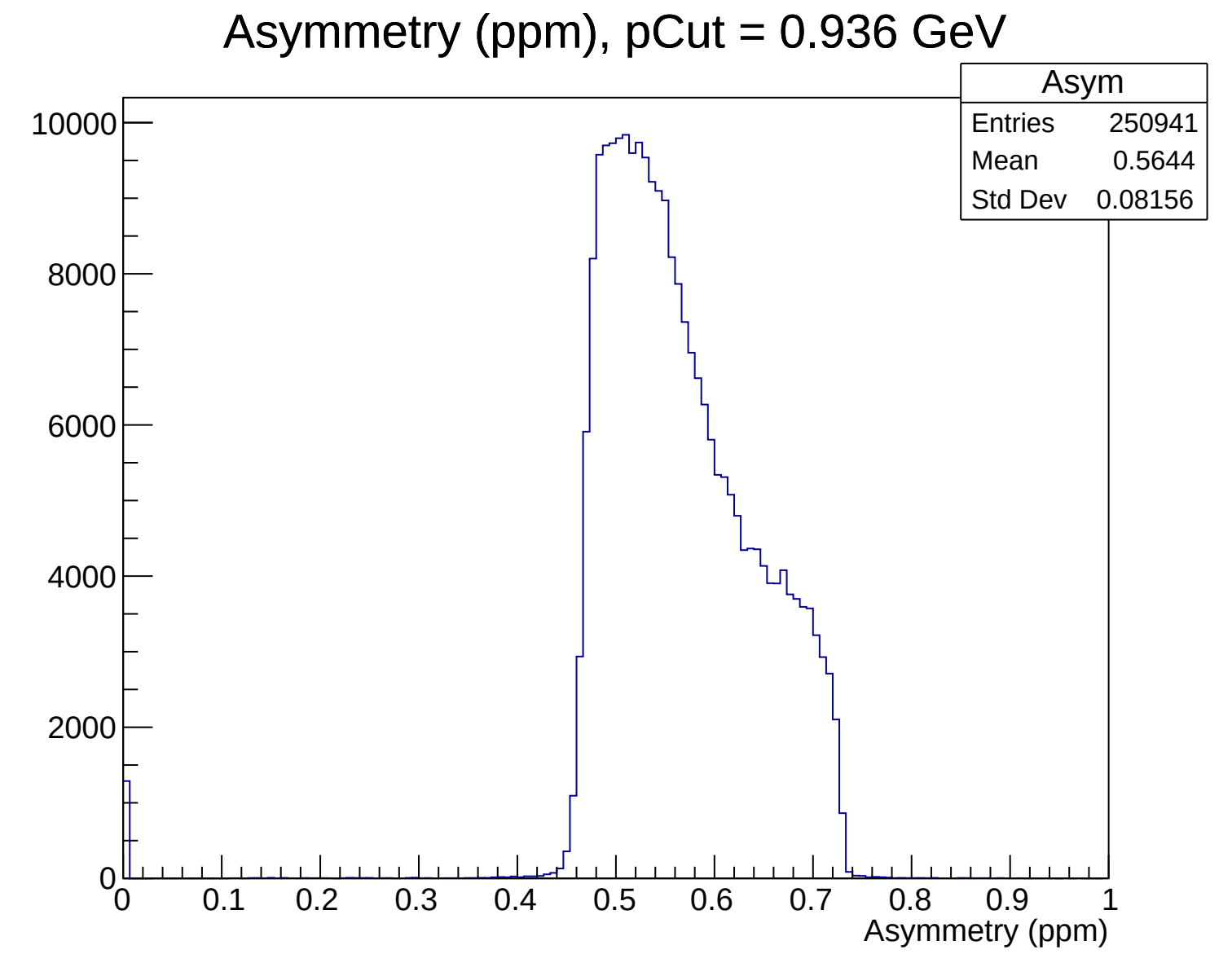

Stretched Asym. (ppm), pCut = 0.935 GeV
SAsym
Entries 260068
Mean 0.5514
Std Dev 0.07739
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

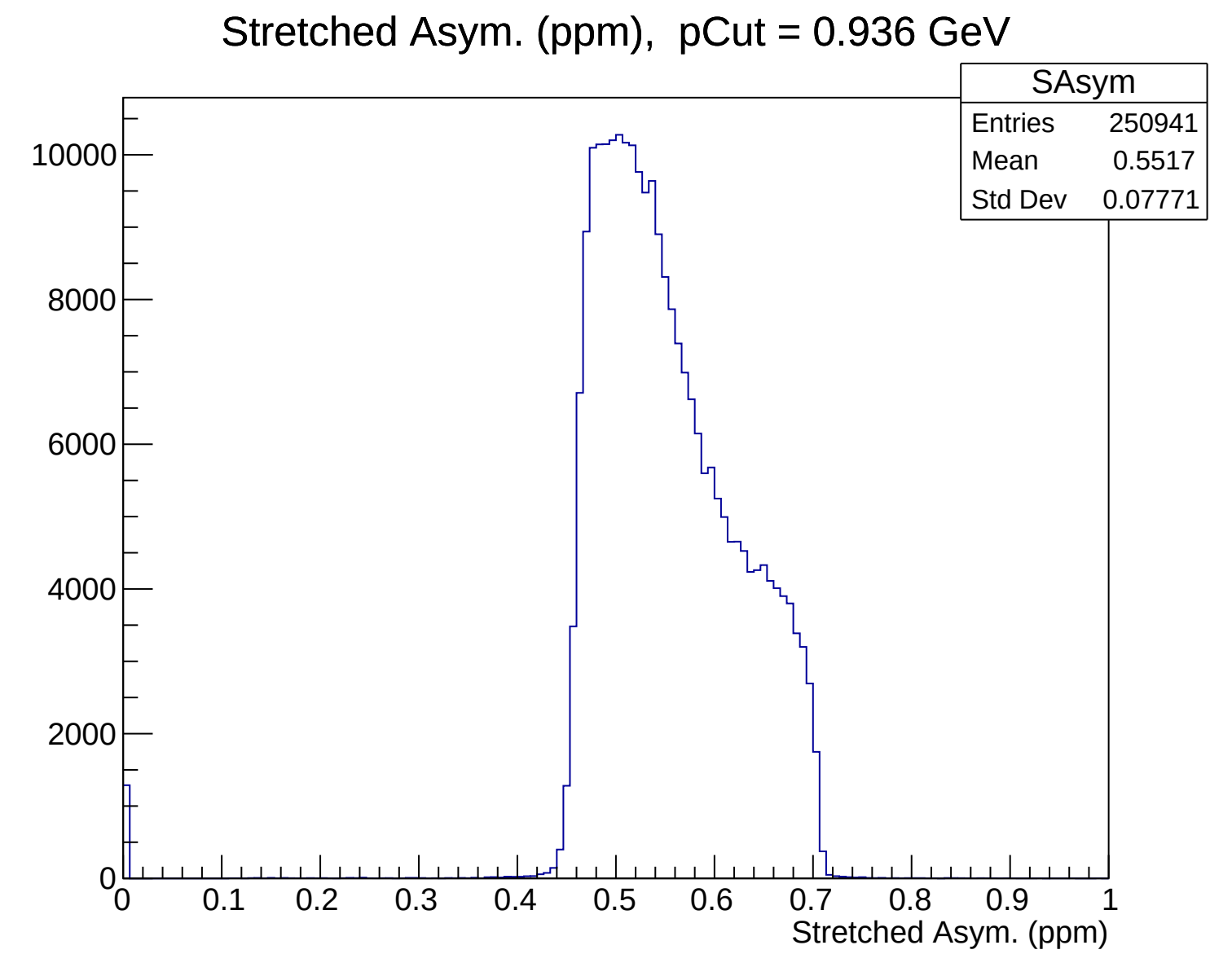

Q^2 (GeV/c)^2, pCut = 0.935 GeV
Q2
Entries 260068
Mean 0.00624
Std Dev 0.001271
12000
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

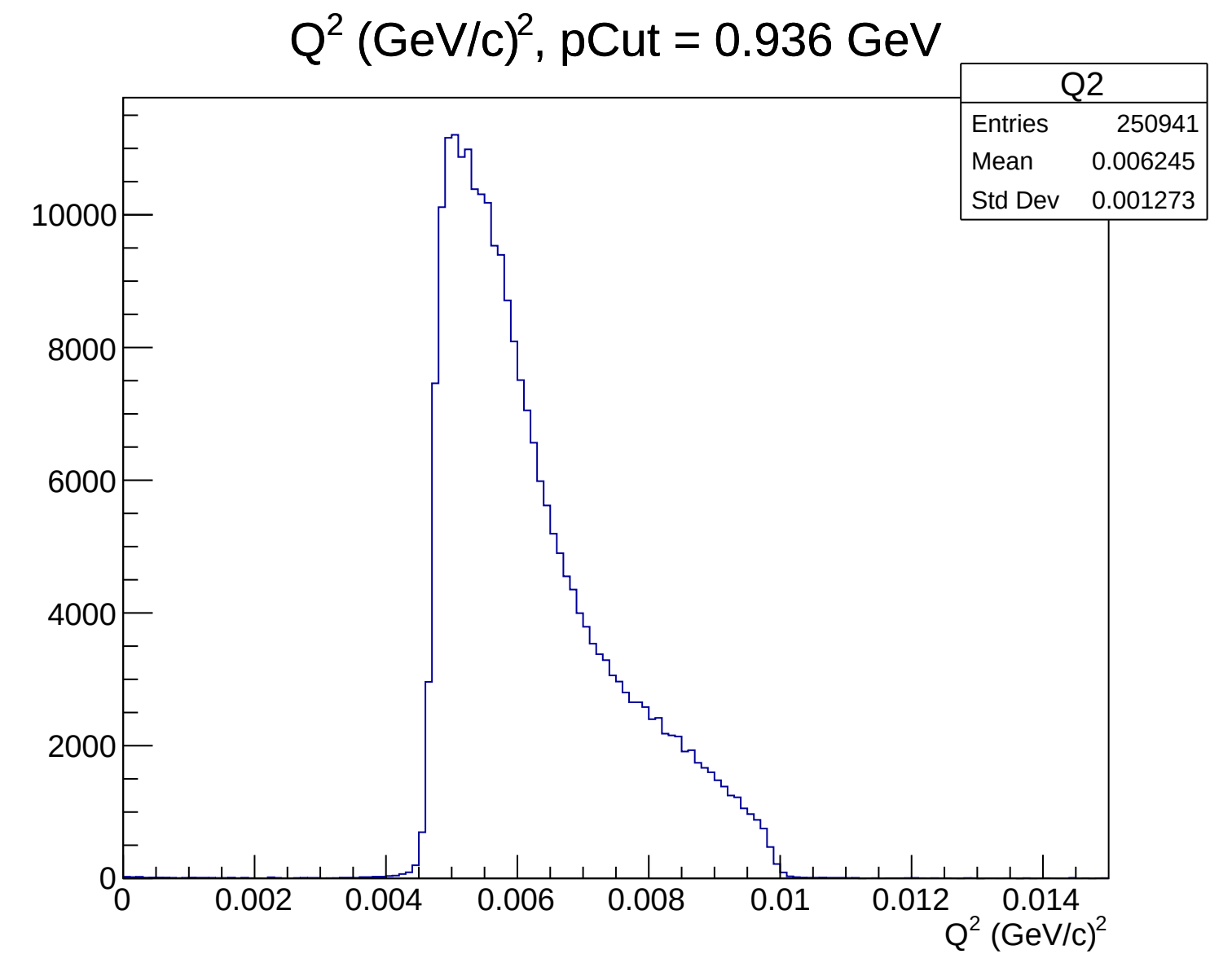

Sensitivity, pCut = 0.935 GeV
sens
Entries 260068
Mean 0.02189
Std Dev 0.004022
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

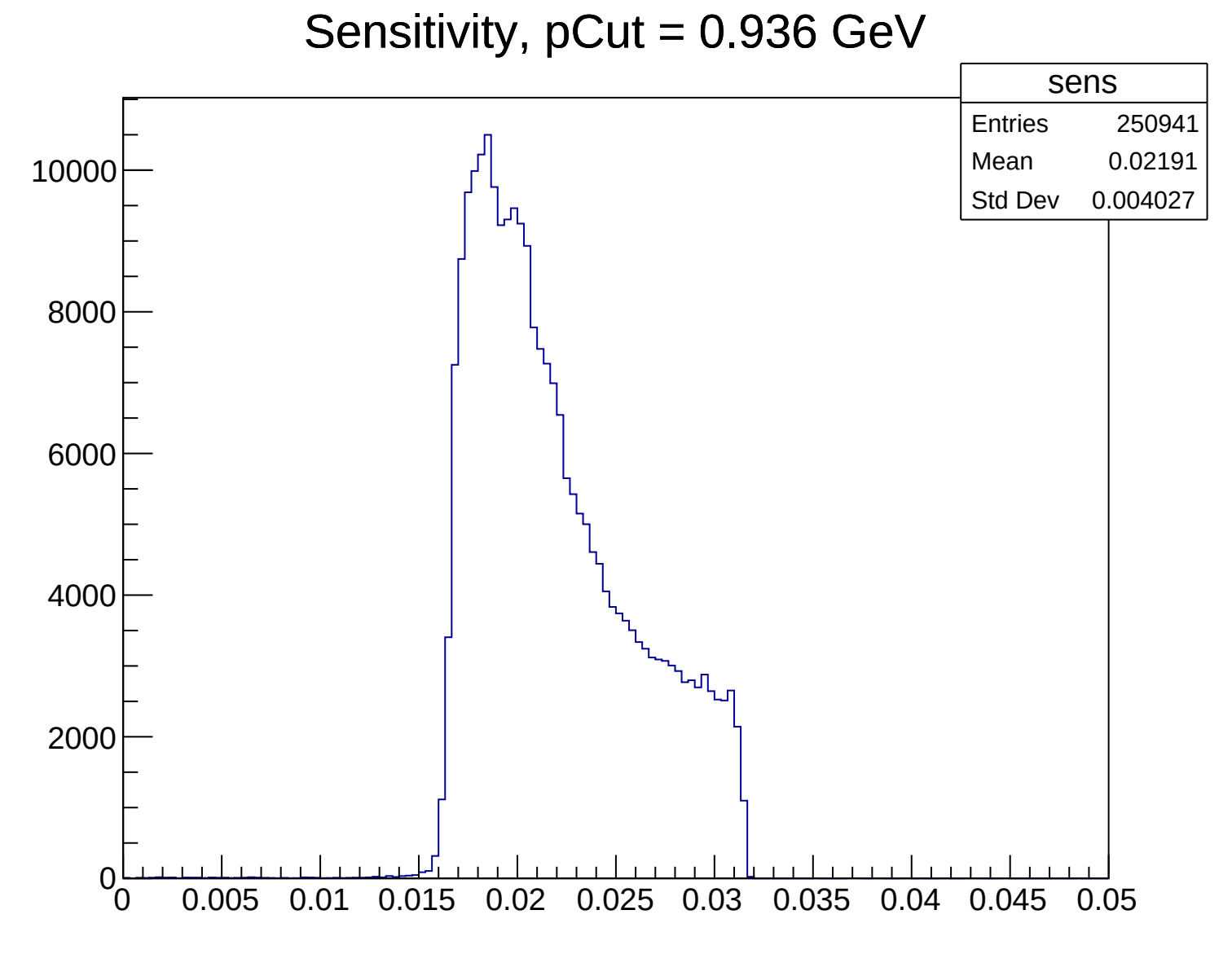

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
ADC raw
RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9360 GeV
R.gold.p (GeV)


θlab (deg), pCut = 0.936 GeV
Theta
Entries 250941
Mean 4.762
Std Dev 0.4703
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

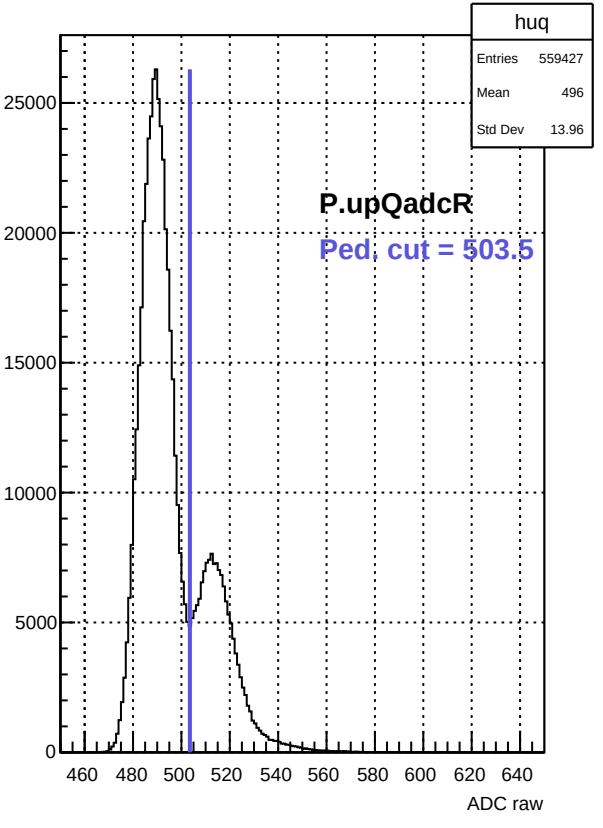

Asymmetry (ppm), pCut = 0.936 GeV
Asym
Entries 250941
Mean 0.5644
Std Dev 0.08156
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.936 GeV
SAsym
Entries 250941
Mean 0.5517
Std Dev 0.07771
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)

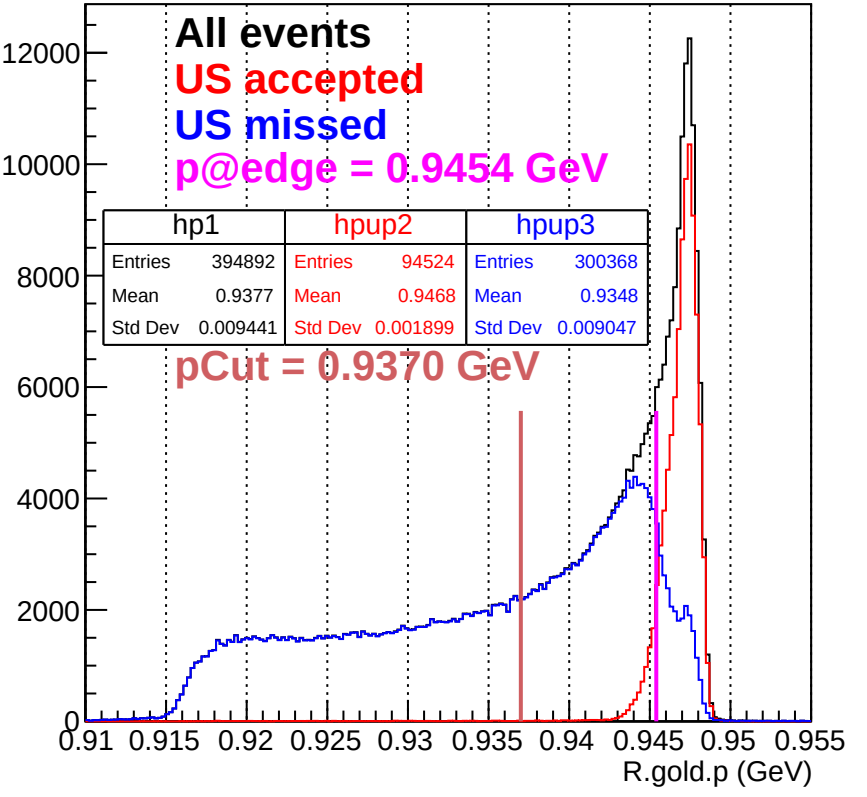

Q^2 (GeV/c)^2, pCut = 0.936 GeV
Q2
Entries 250941
Mean 0.006245
Std Dev 0.001273
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

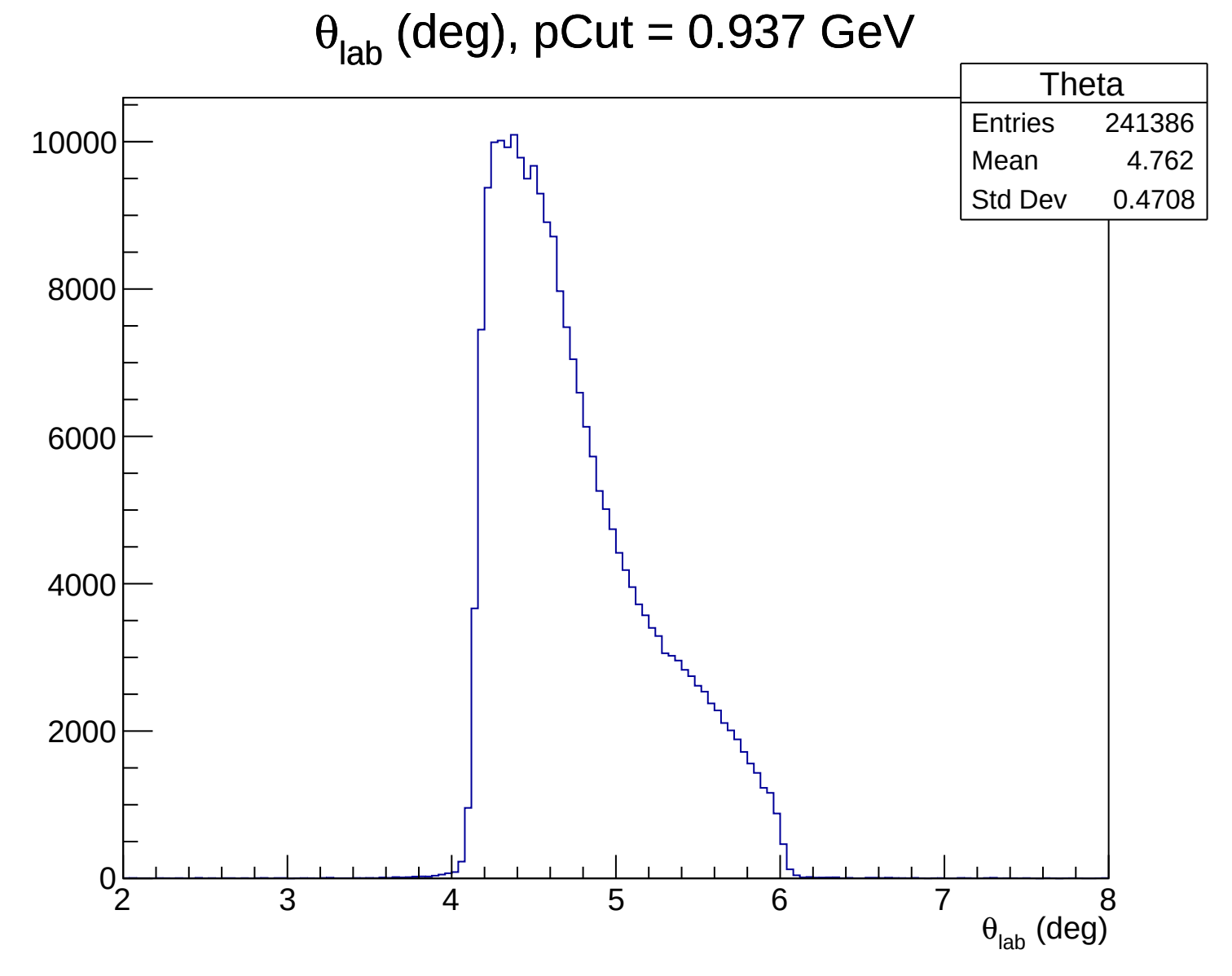

Sensitivity, pCut = 0.936 GeV
sens
Entries 250941
Mean 0.02191
Std Dev 0.004027
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

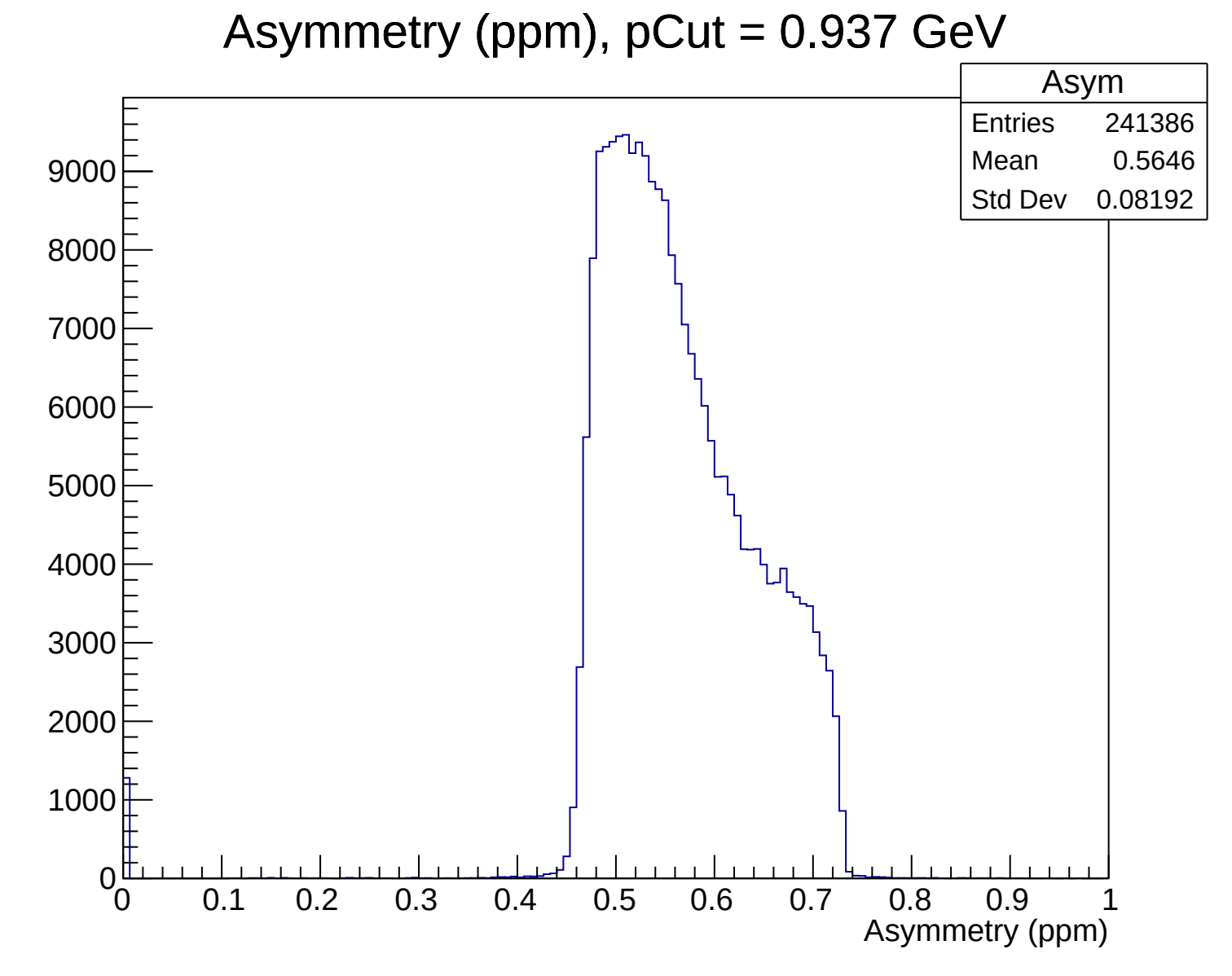
ADC raw (run21290, detZ = 1.3 m)

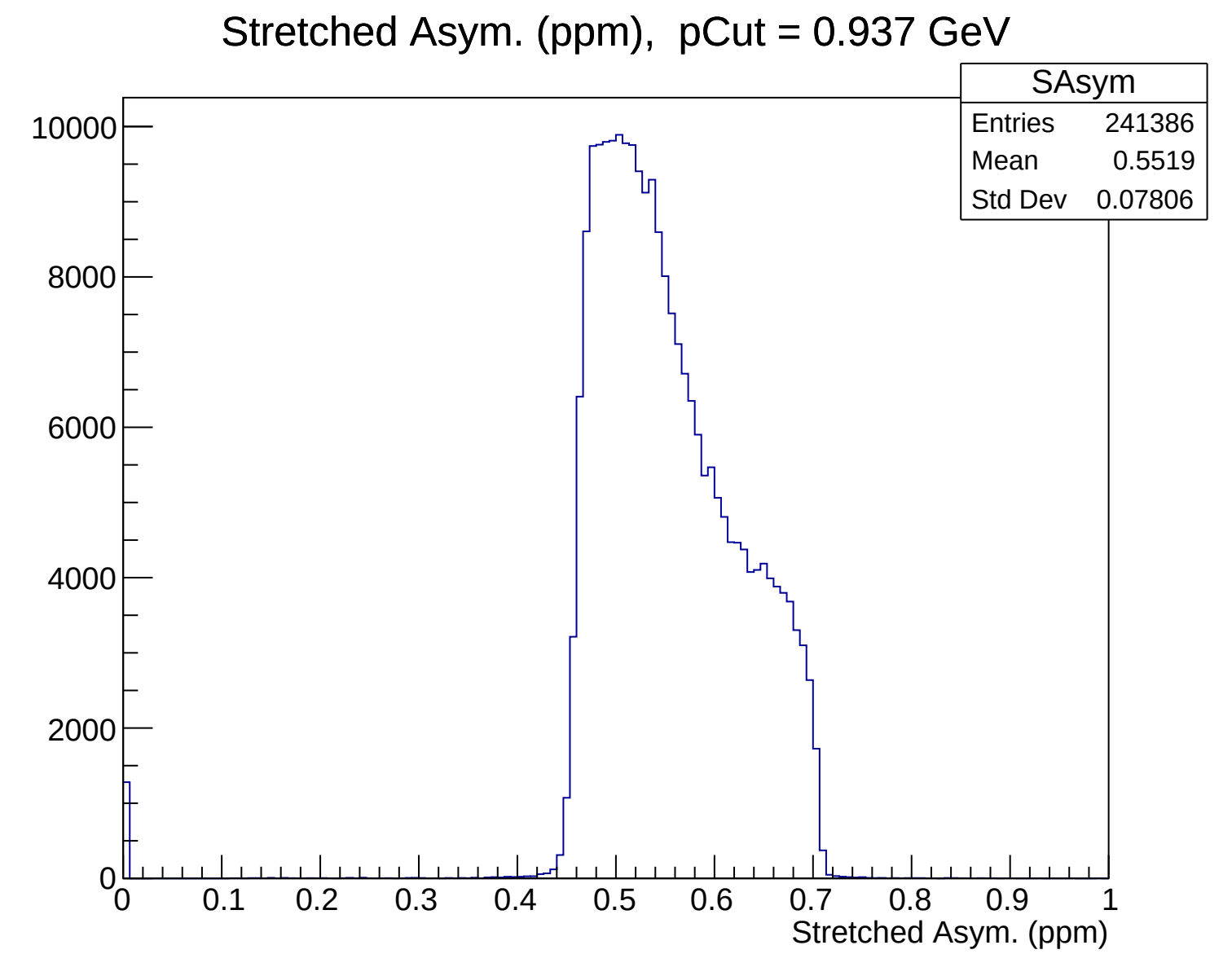


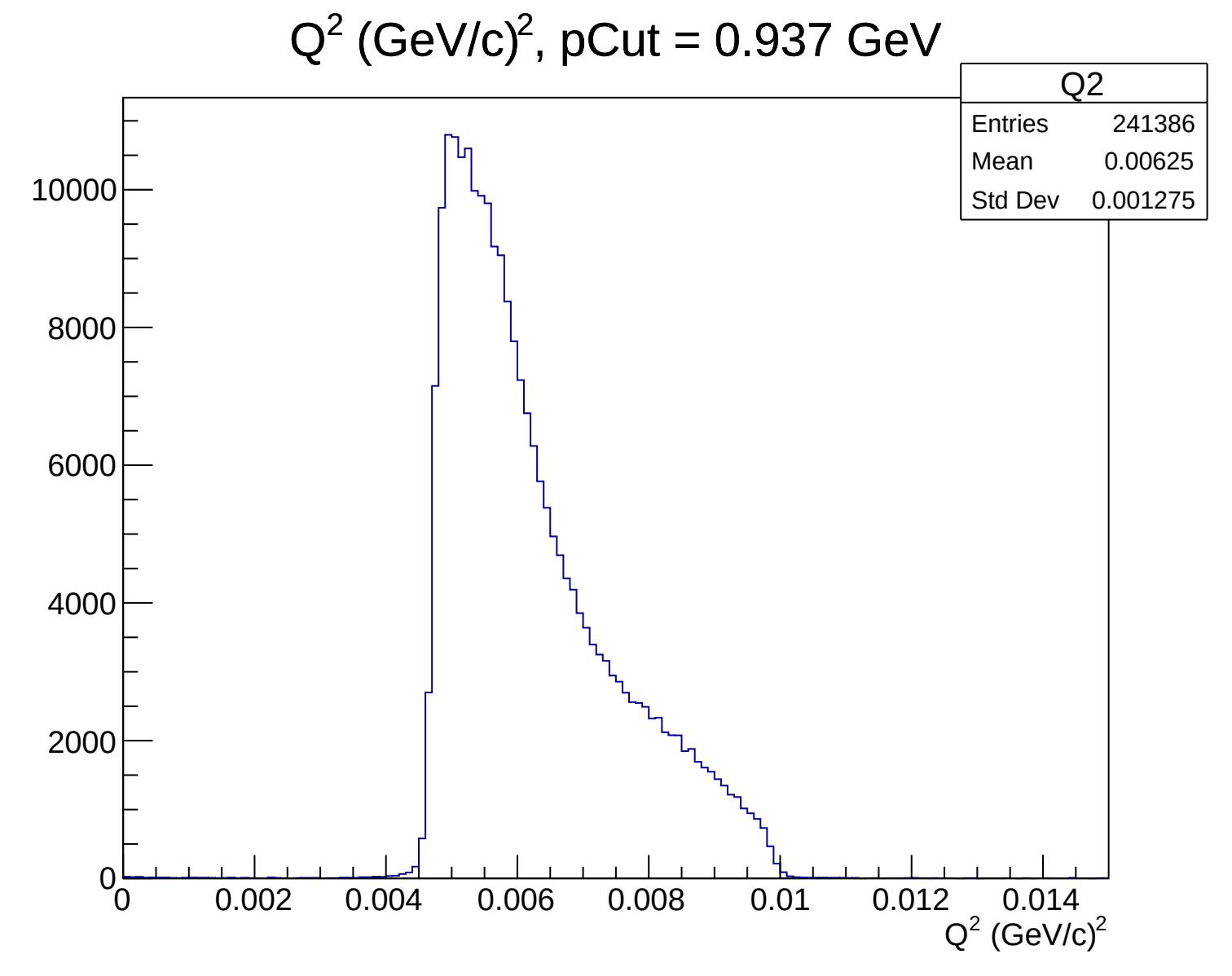
RHRS momentum (run21290)

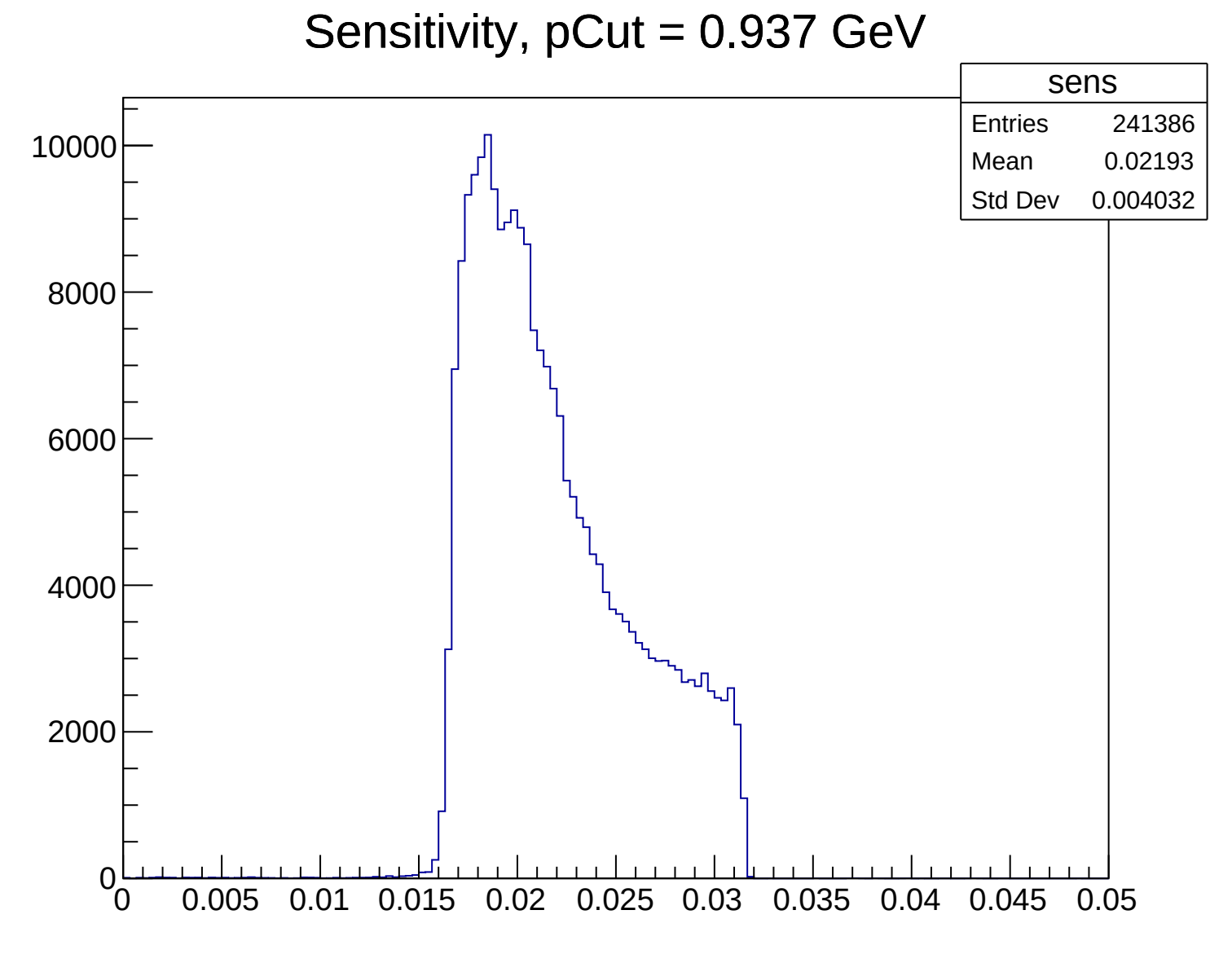


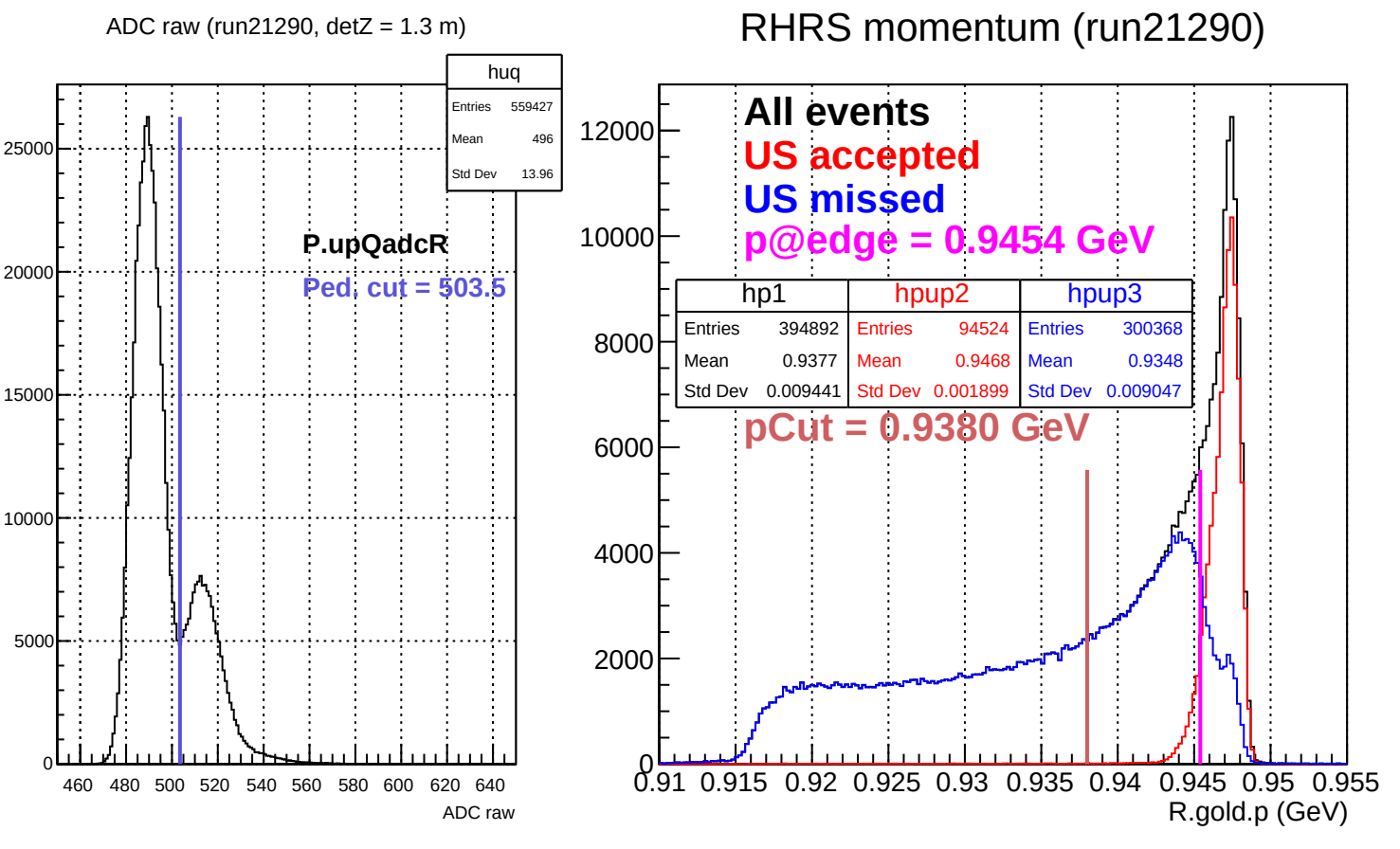

θlab (deg), pCut = 0.937 GeV
Theta
Entries 241386
Mean 4.762
Std Dev 0.4708
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

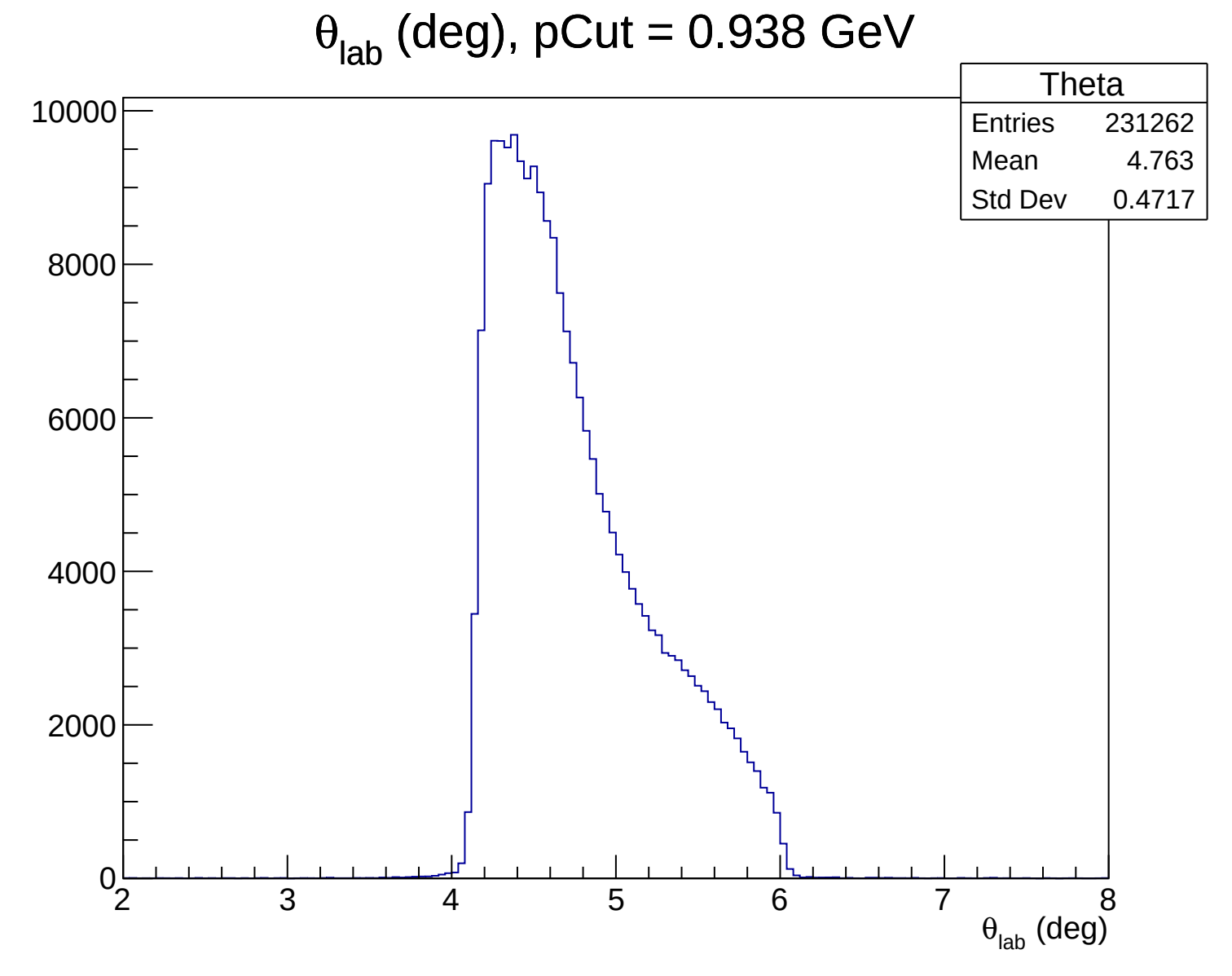

Asymmetry (ppm), pCut = 0.937 GeV
Asym
Entries 241386
Mean 0.5646
Std Dev 0.08192
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

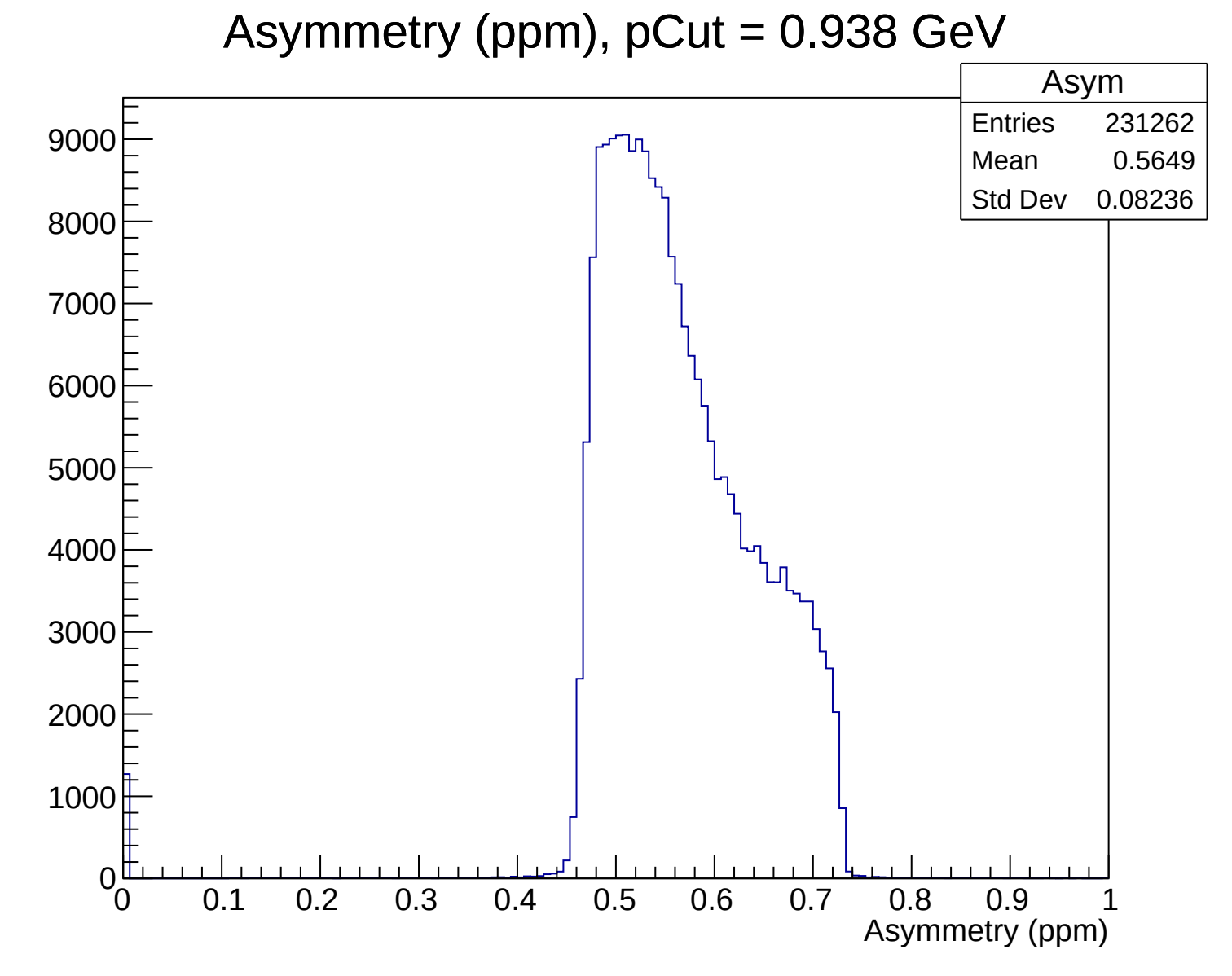

Stretched Asym. (ppm), pCut = 0.937 GeV
SAsym
Entries 241386
Mean 0.5519
Std Dev 0.07806
10000
8000
6000
4000
2000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

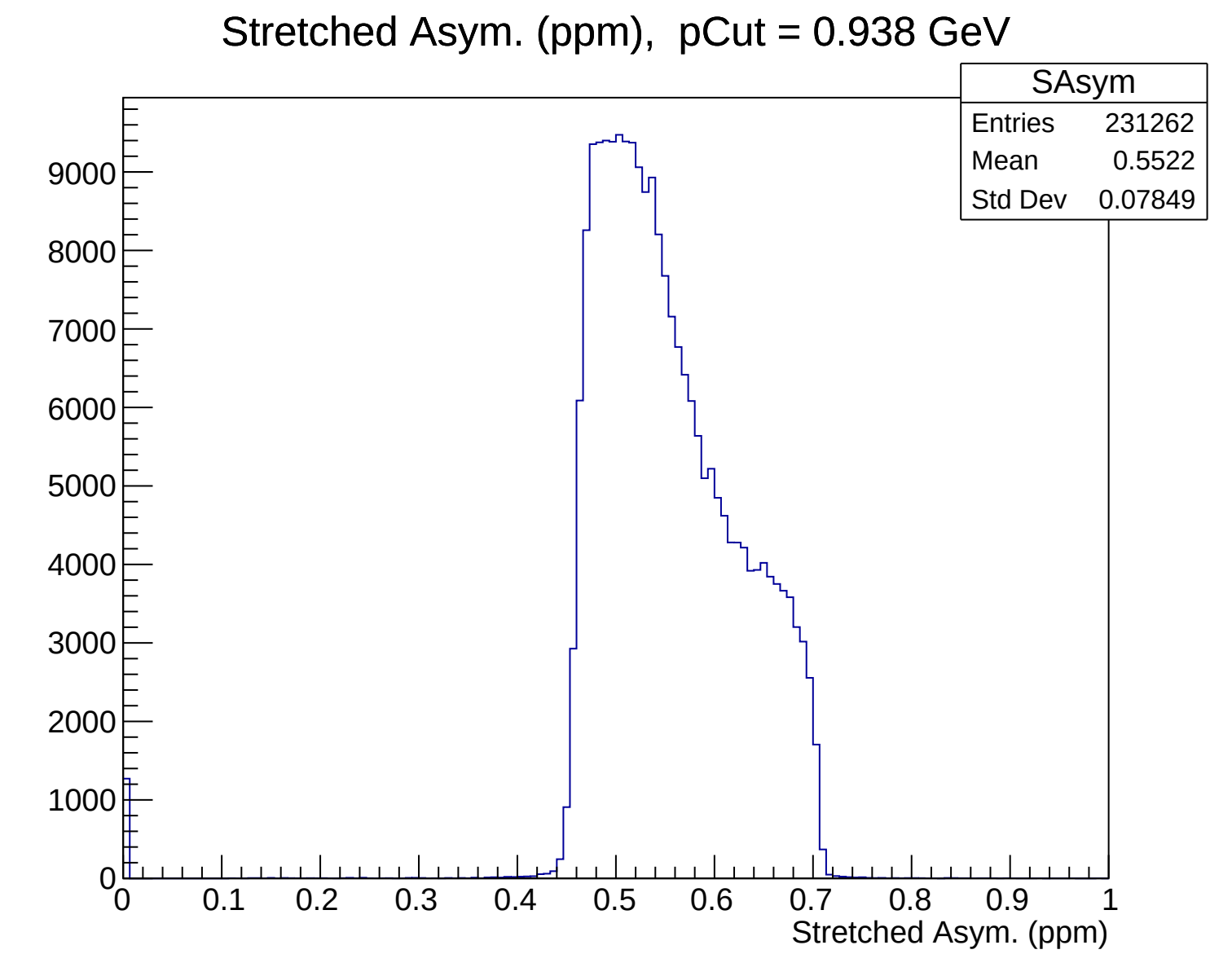

Q^2 (GeV/c)^2, pCut = 0.937 GeV
Q2
Entries 241386
Mean 0.00625
Std Dev 0.001275
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

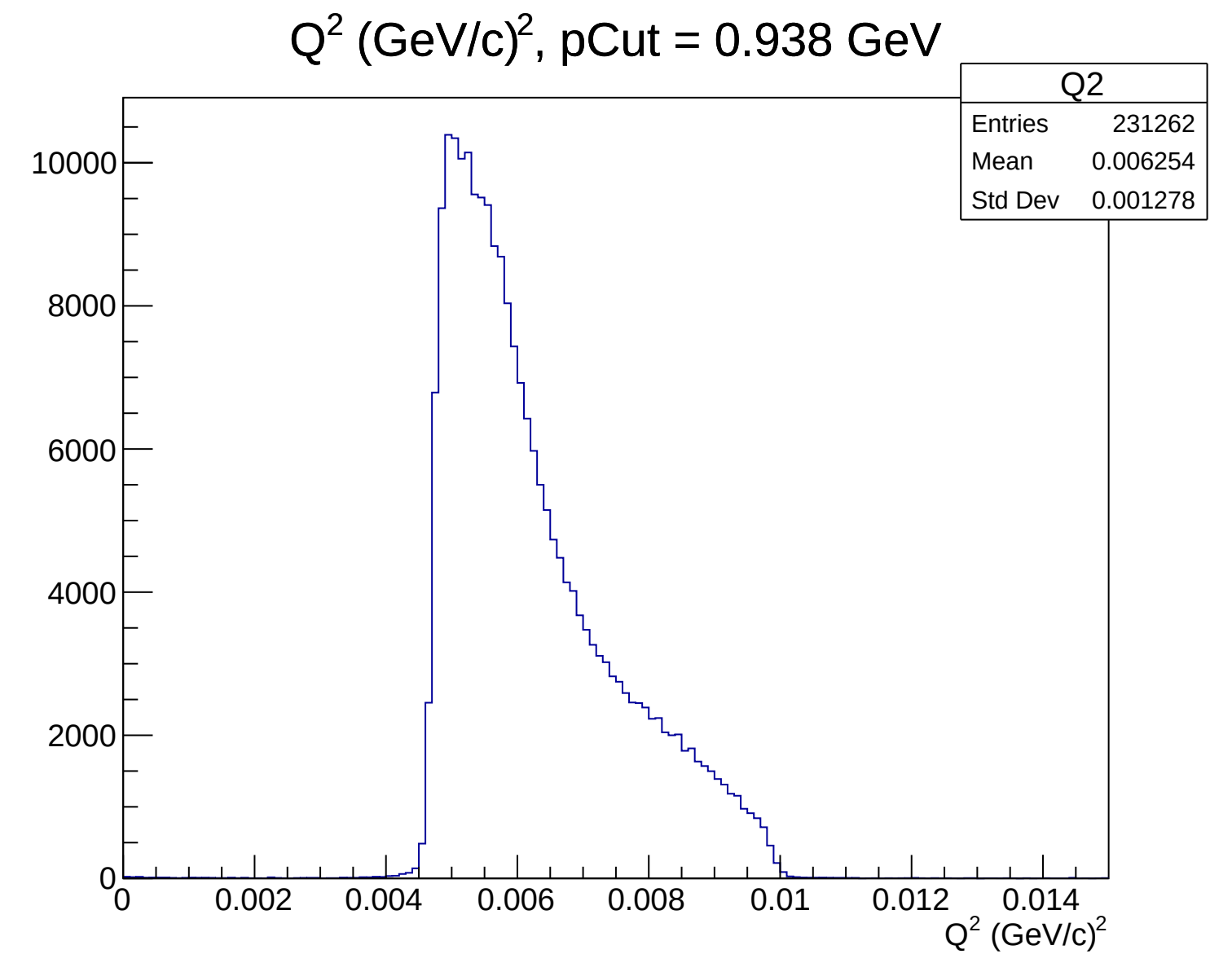

Sensitivity, pCut = 0.937 GeV
sens
Entries 241386
Mean 0.02193
Std Dev 0.004032
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

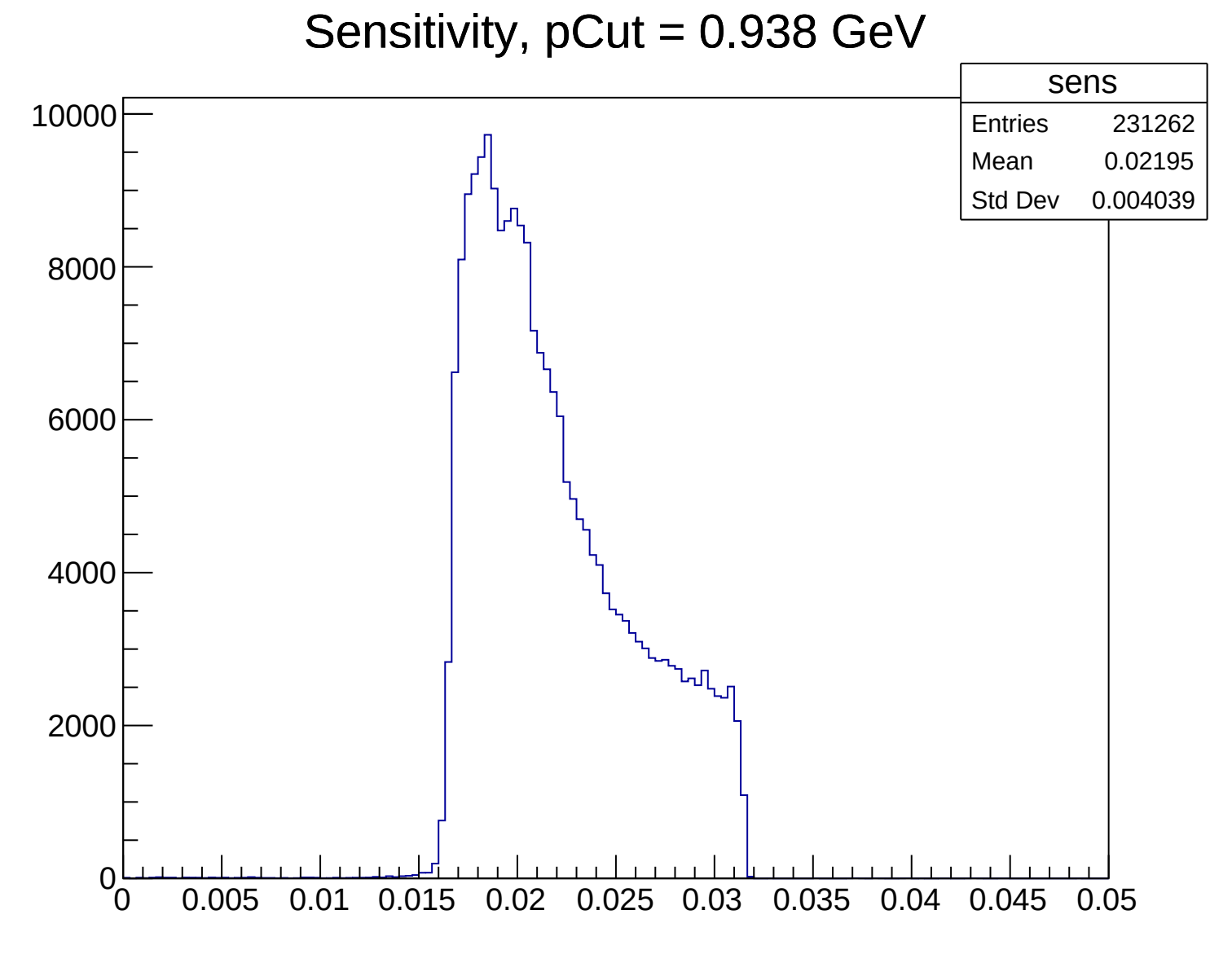

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw
RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9380 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

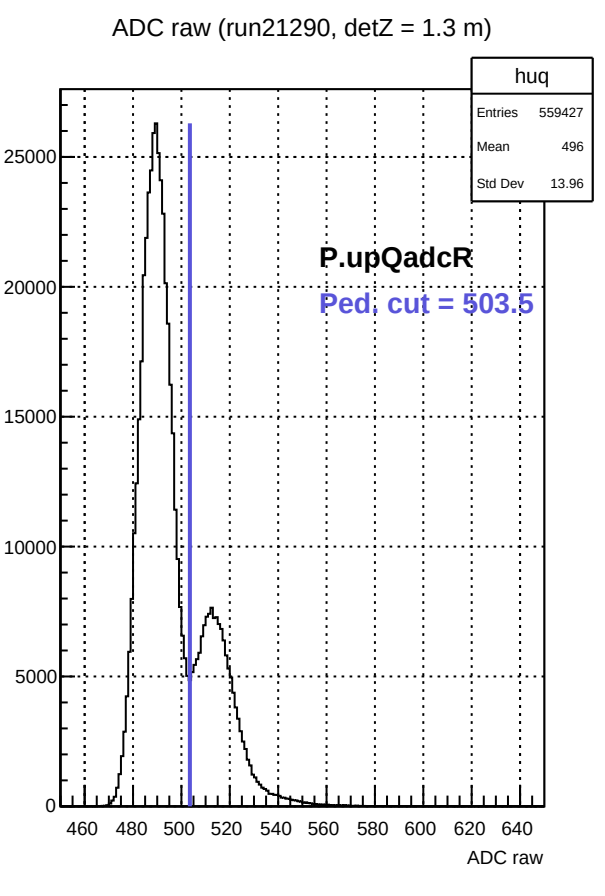

θlab (deg), pCut = 0.938 GeV
Theta
Entries 231262
Mean 4.763
Std Dev 0.4717
10000
8000
6000
4000
2000
0
2
3
4
5
6
7
8
θlab (deg)

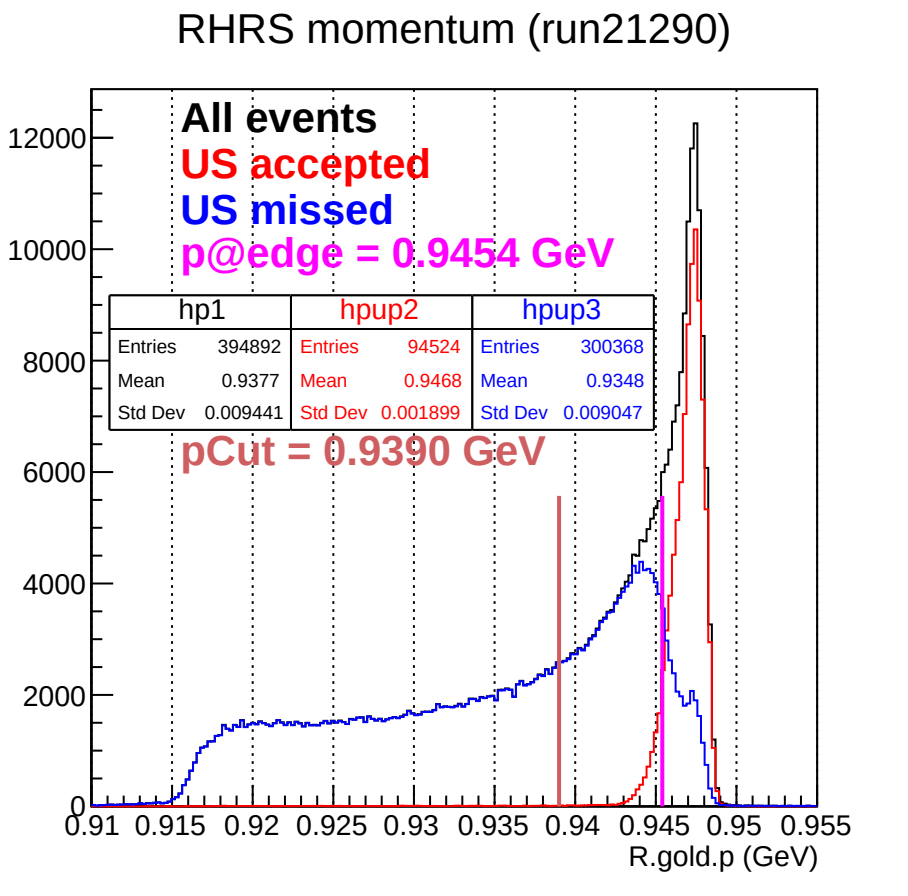

Asymmetry (ppm), pCut = 0.938 GeV
Asym
Entries 231262
Mean 0.5649
Std Dev 0.08236
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

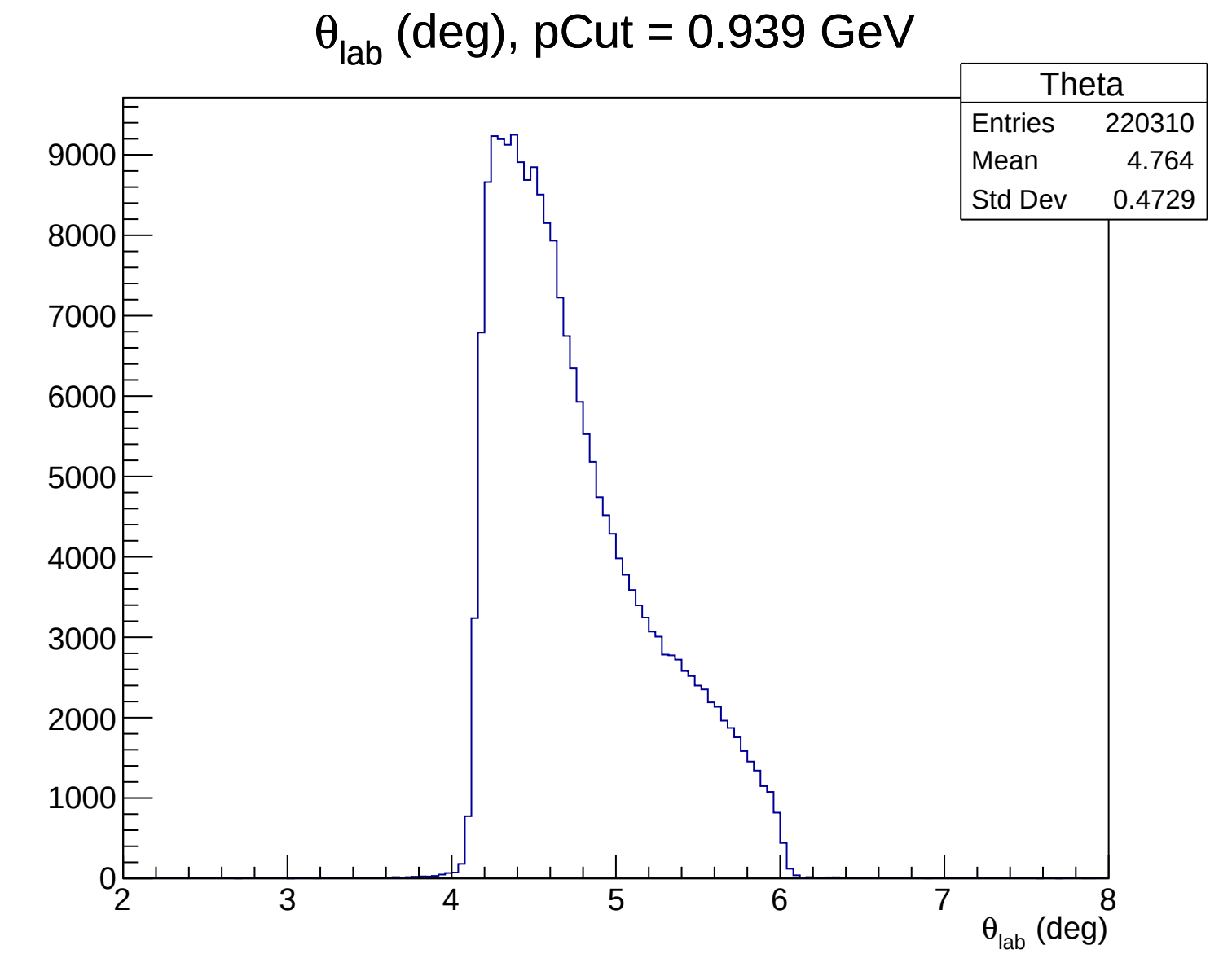

Stretched Asym. (ppm), pCut = 0.938 GeV
SAsym
Entries 231262
Mean 0.5522
Std Dev 0.07849
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

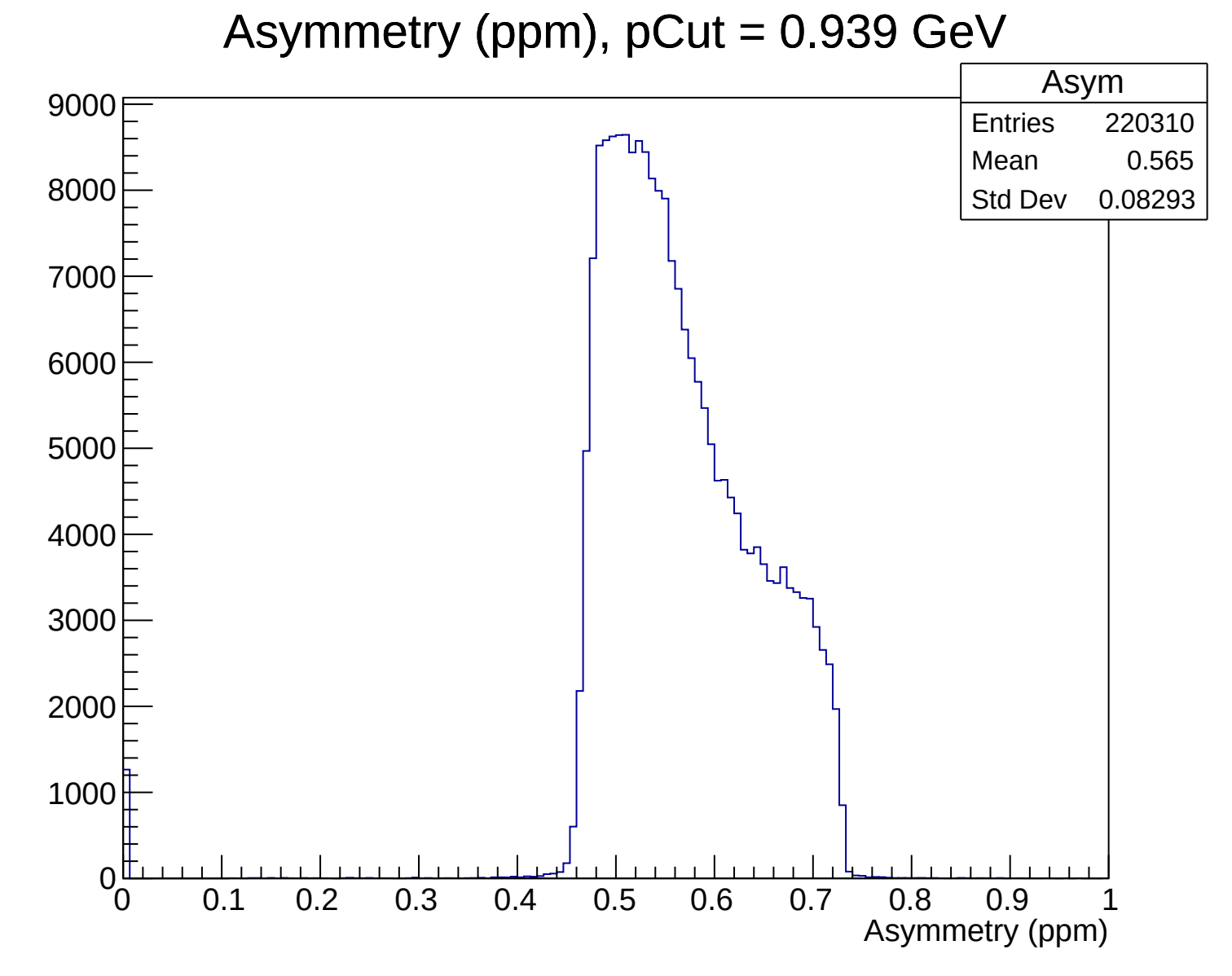

Q^2 (GeV/c)^2, pCut = 0.938 GeV
Q2
Entries 231262
Mean 0.006254
Std Dev 0.001278
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

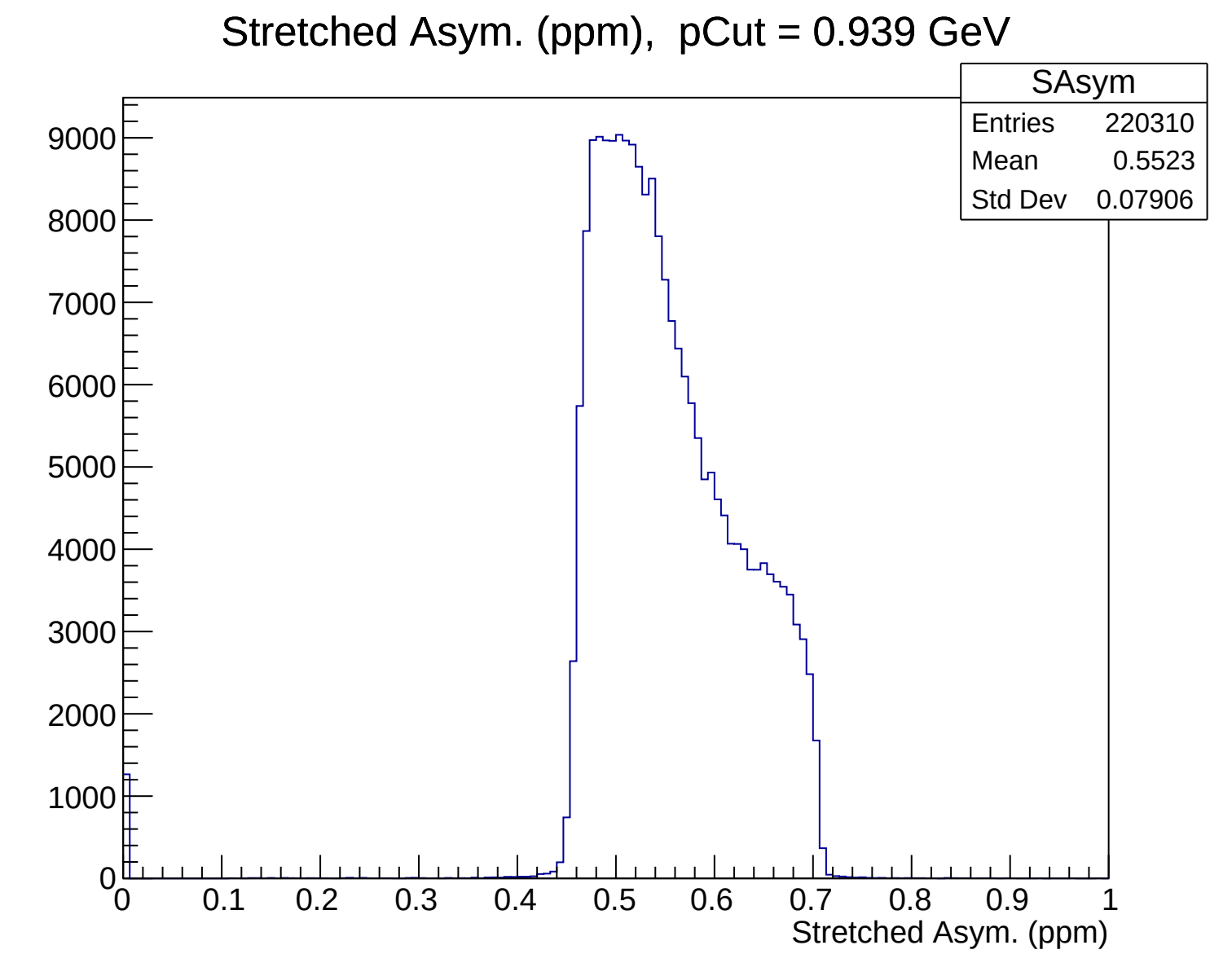

Sensitivity, pCut = 0.938 GeV
sens
Entries 231262
Mean 0.02195
Std Dev 0.004039
10000
8000
6000
4000
2000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

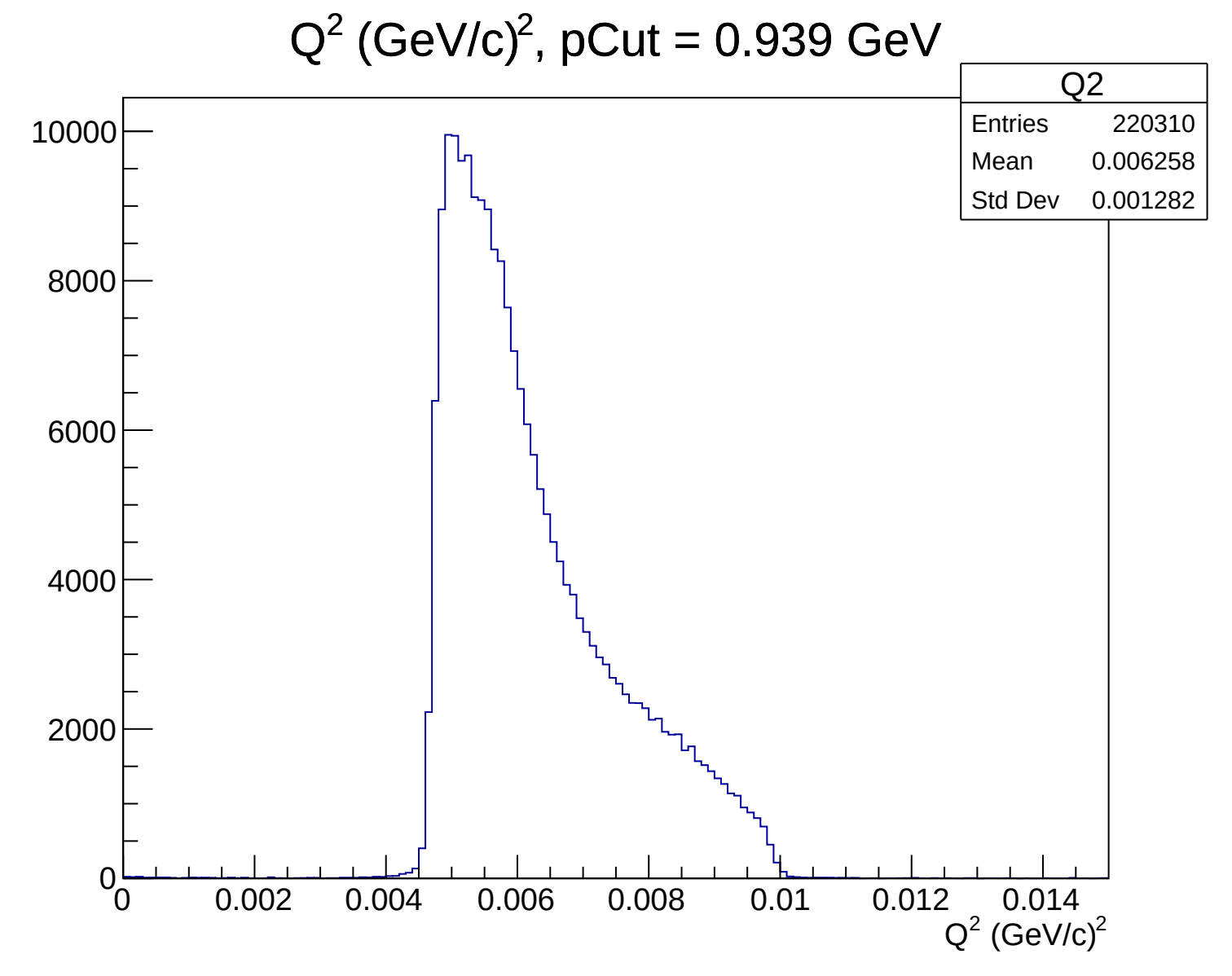

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

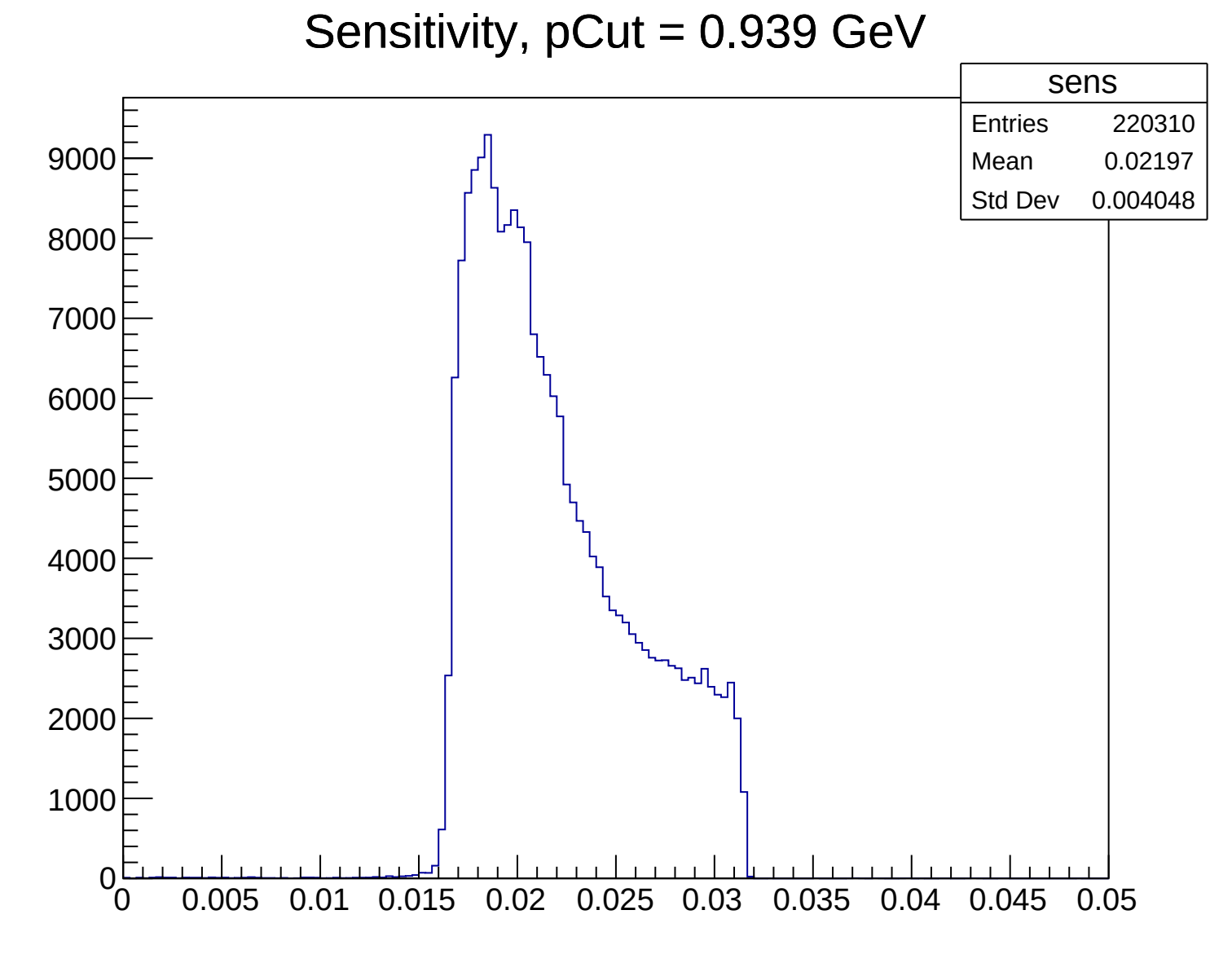

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9390 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

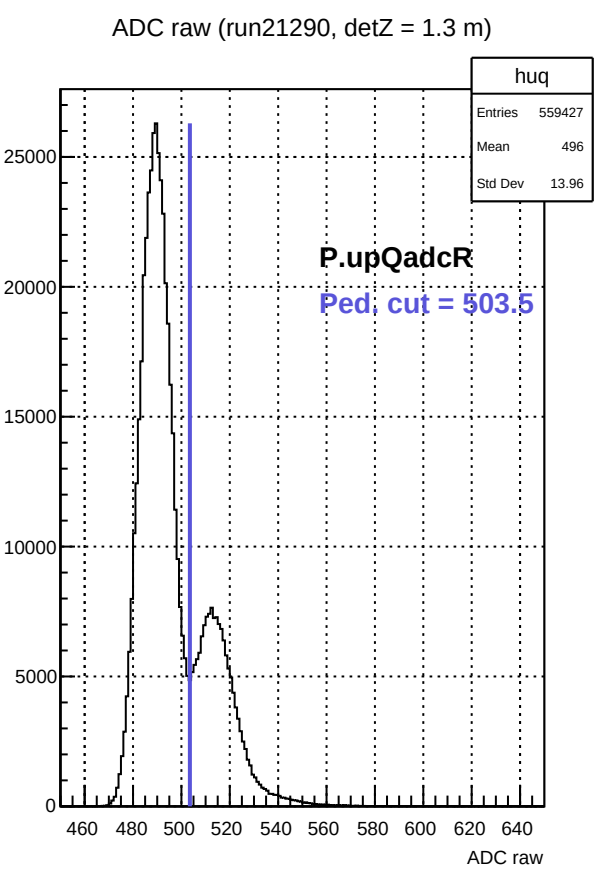

θlab (deg), pCut = 0.939 GeV
Theta
Entries 220310
Mean 4.764
Std Dev 0.4729
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

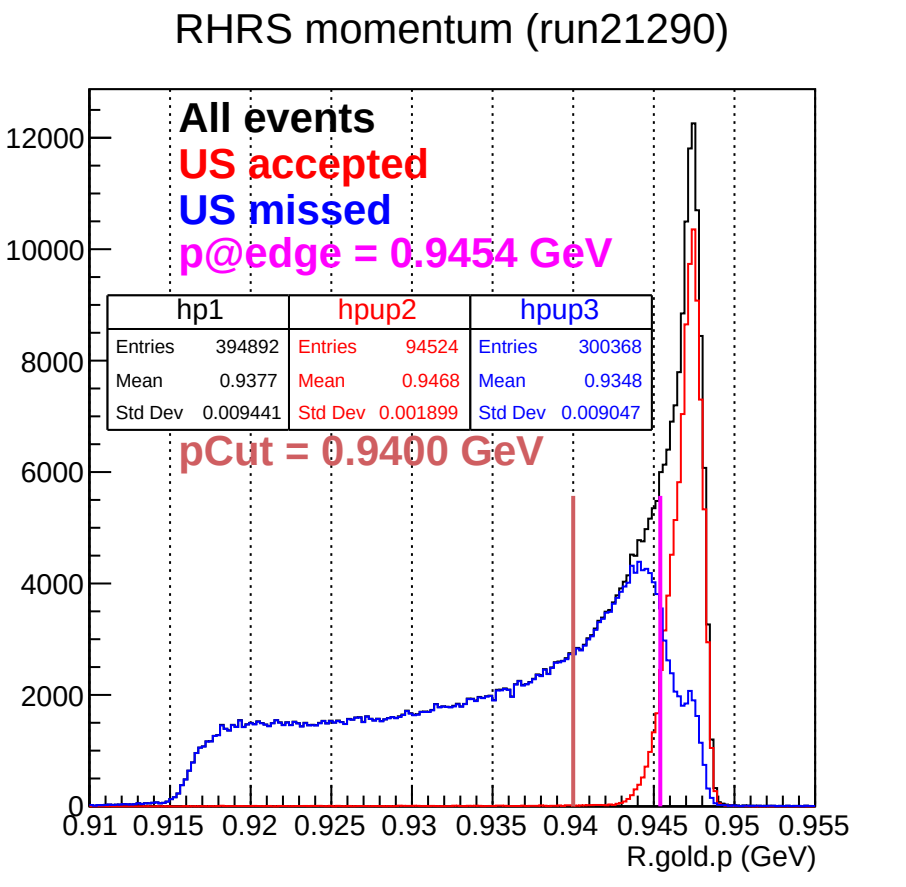

Asymmetry (ppm), pCut = 0.939 GeV
Asym
Entries 220310
Mean 0.565
Std Dev 0.08293
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

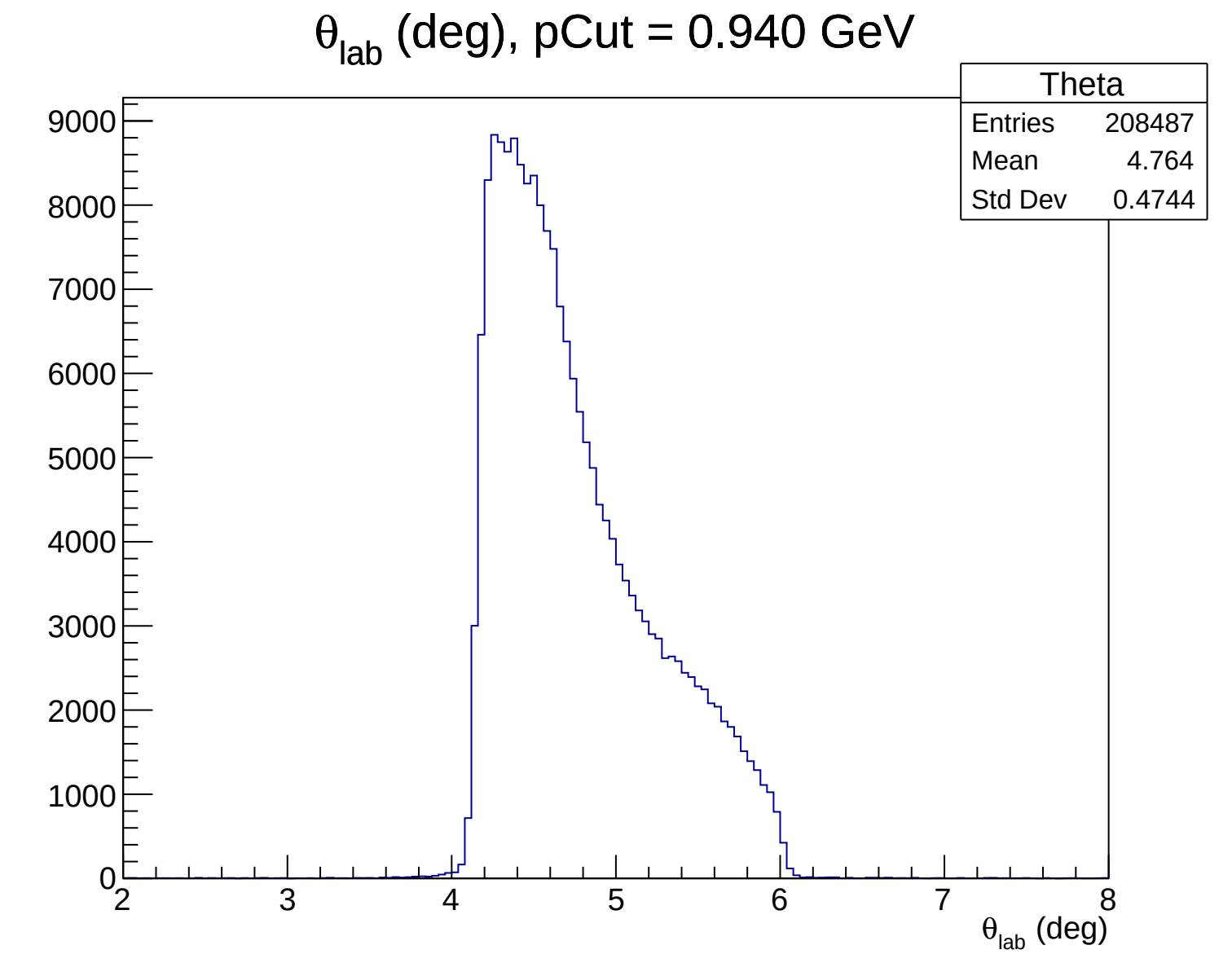

Stretched Asym. (ppm), pCut = 0.939 GeV
SAsym
Entries 220310
Mean 0.5523
Std Dev 0.07906
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

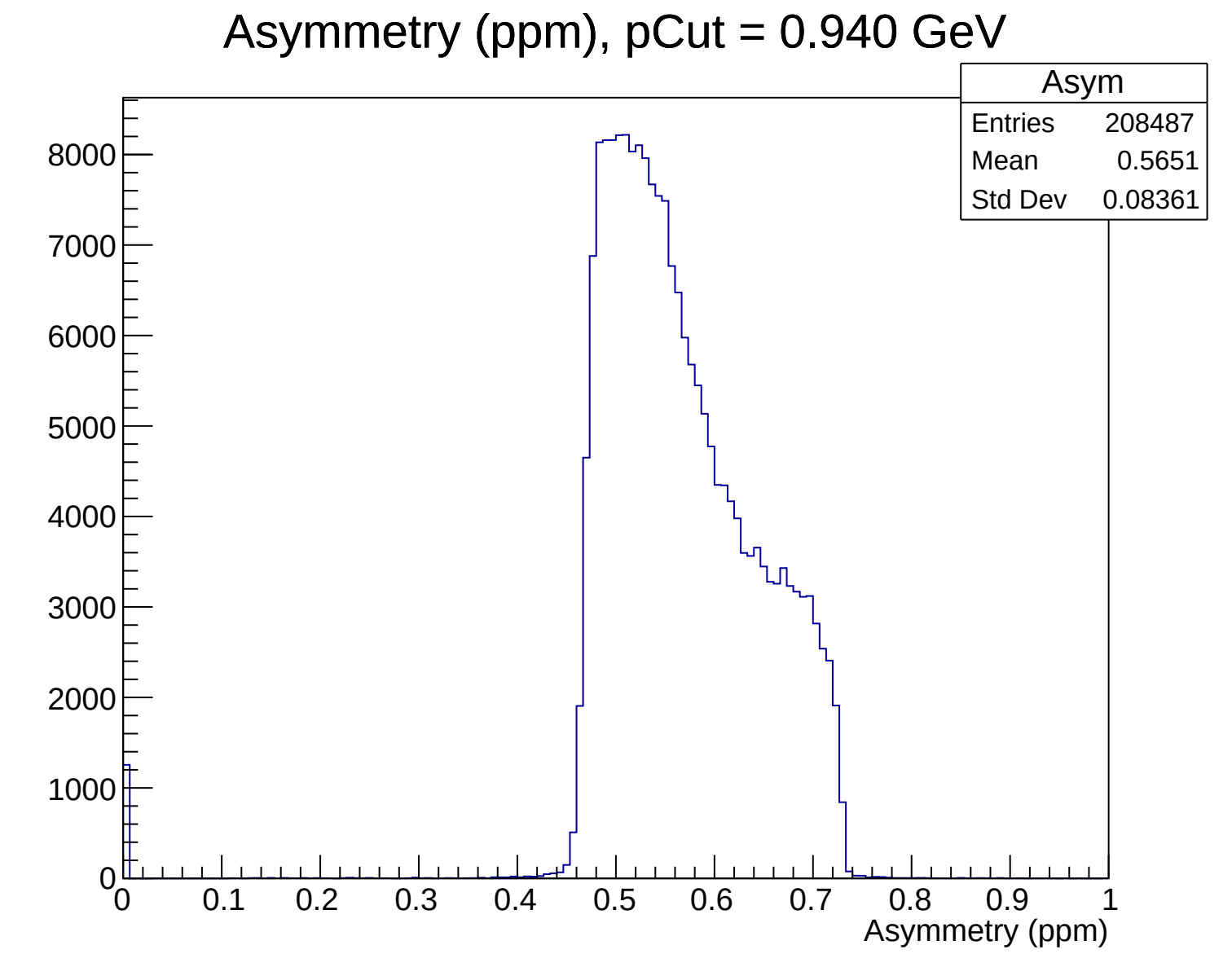

Q^2 (GeV/c)^2, pCut = 0.939 GeV
Q2
Entries 220310
Mean 0.006258
Std Dev 0.001282
10000
8000
6000
4000
2000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

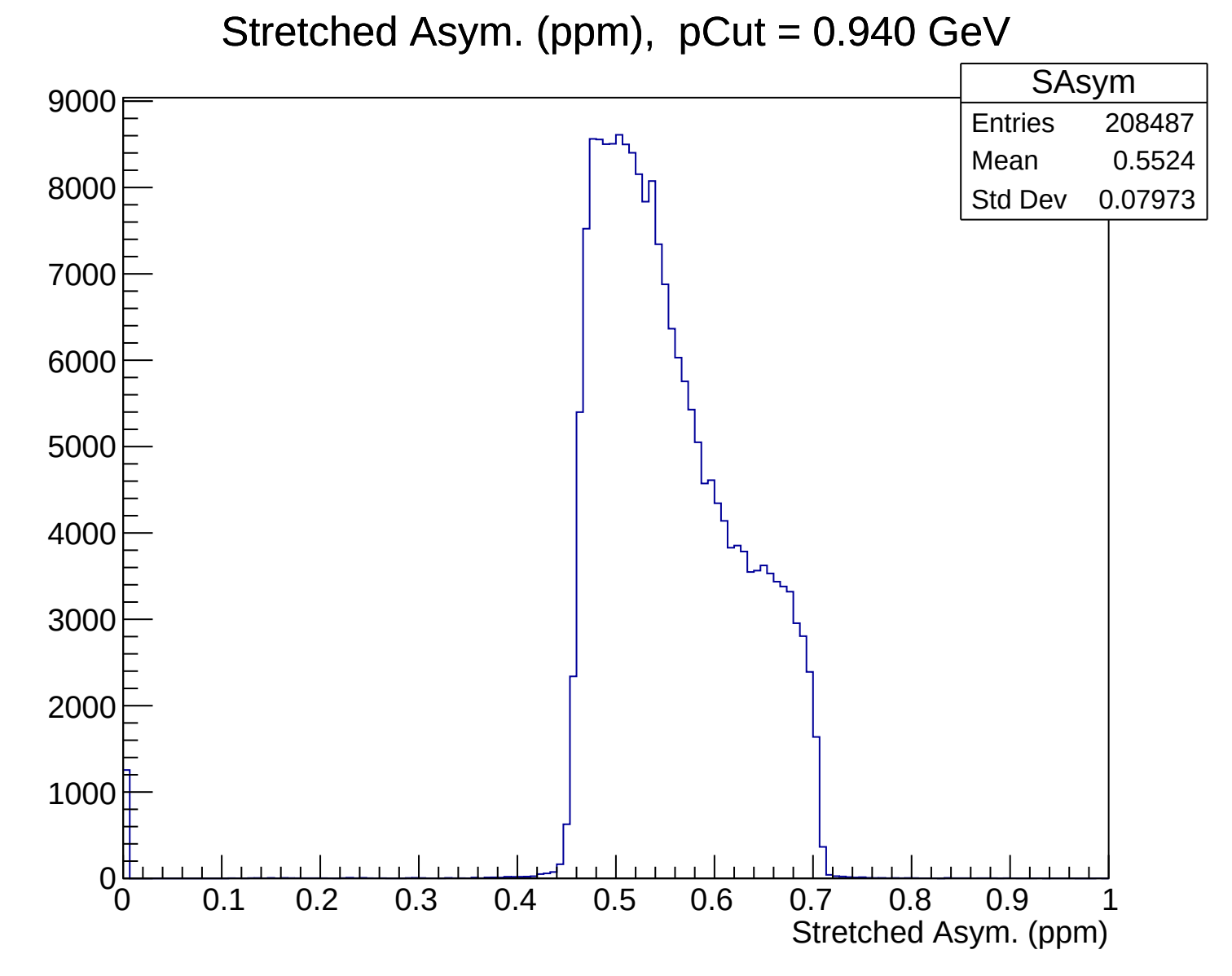

Sensitivity, pCut = 0.939 GeV
sens
Entries 220310
Mean 0.02197
Std Dev 0.004048
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

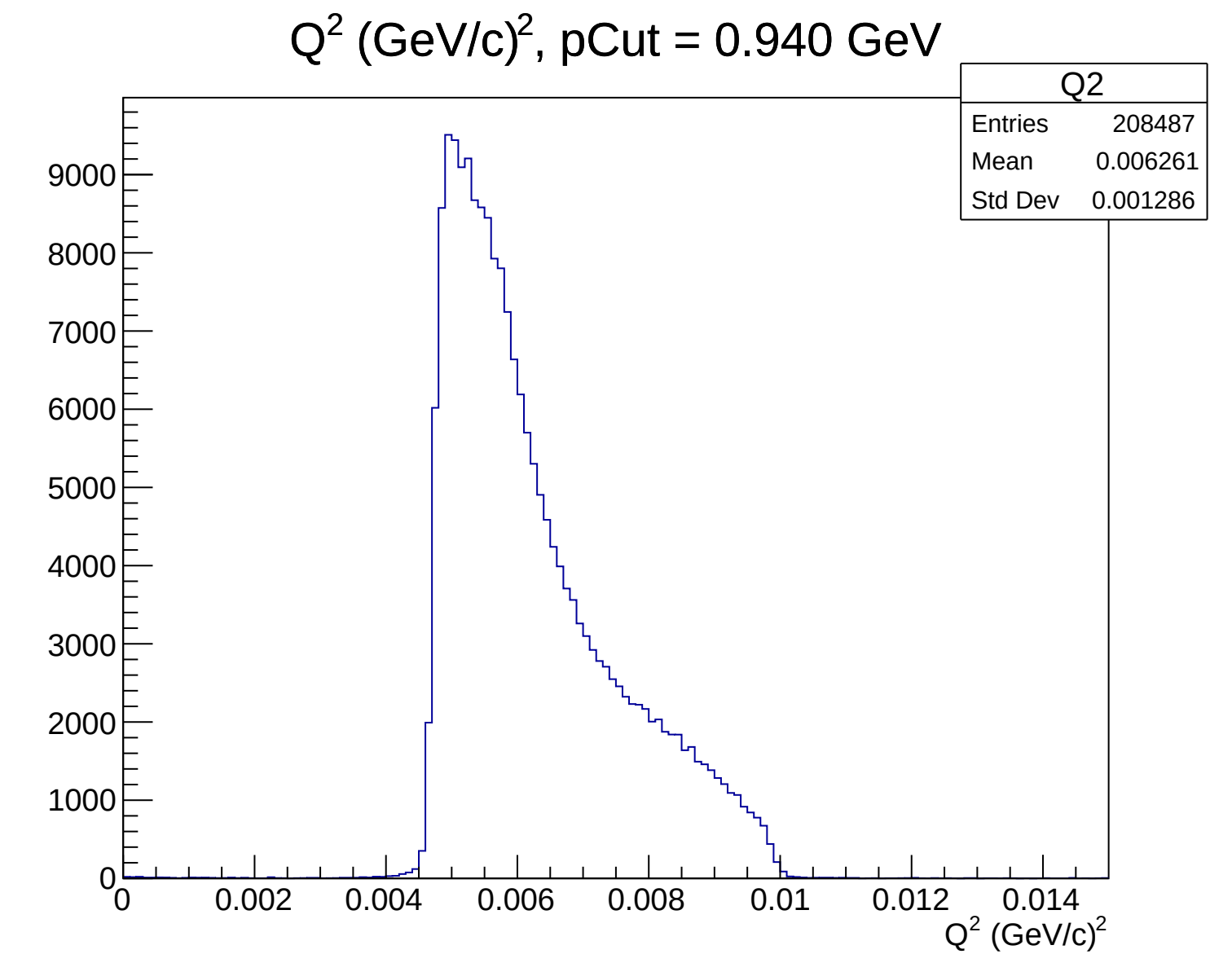

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

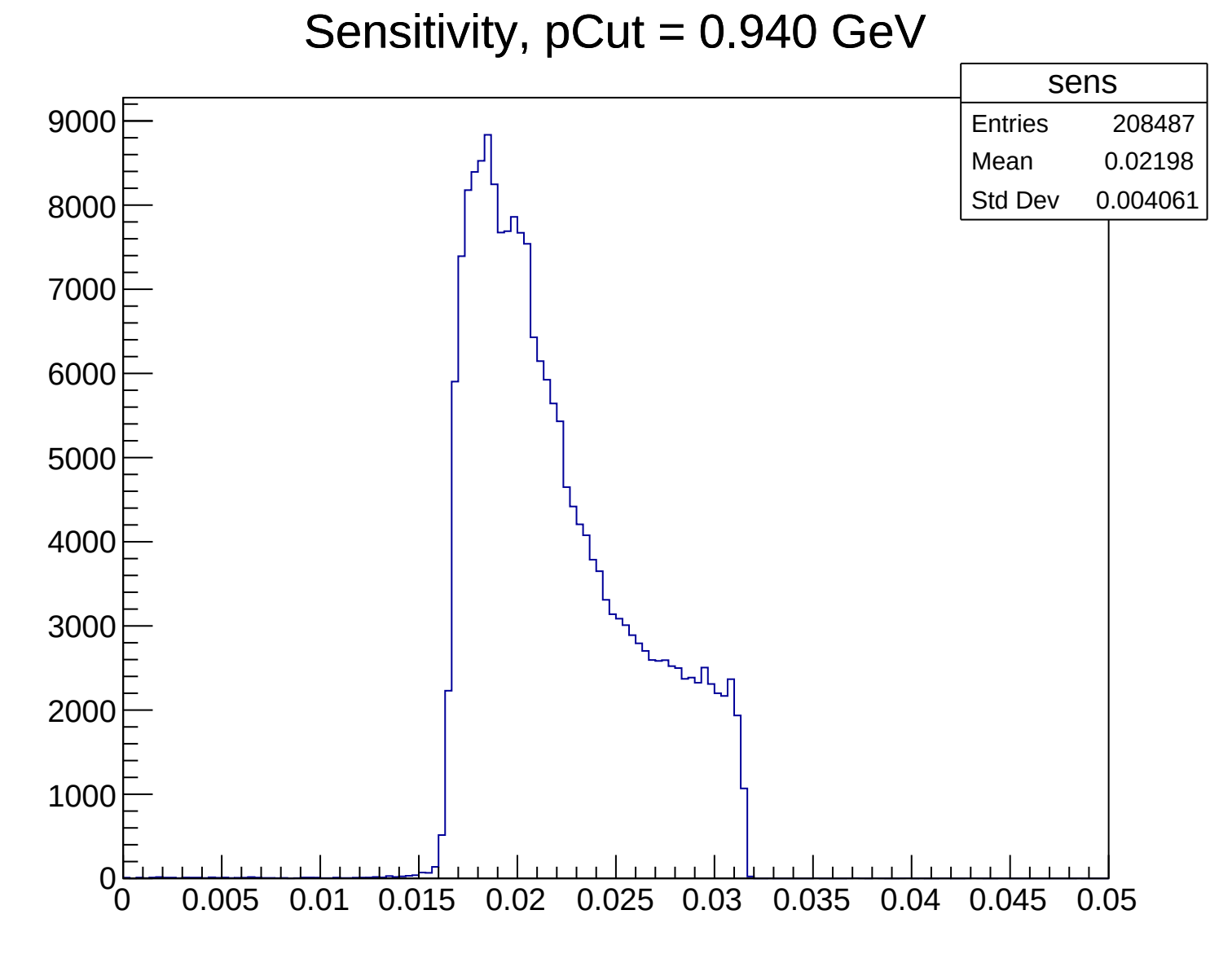

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9400 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

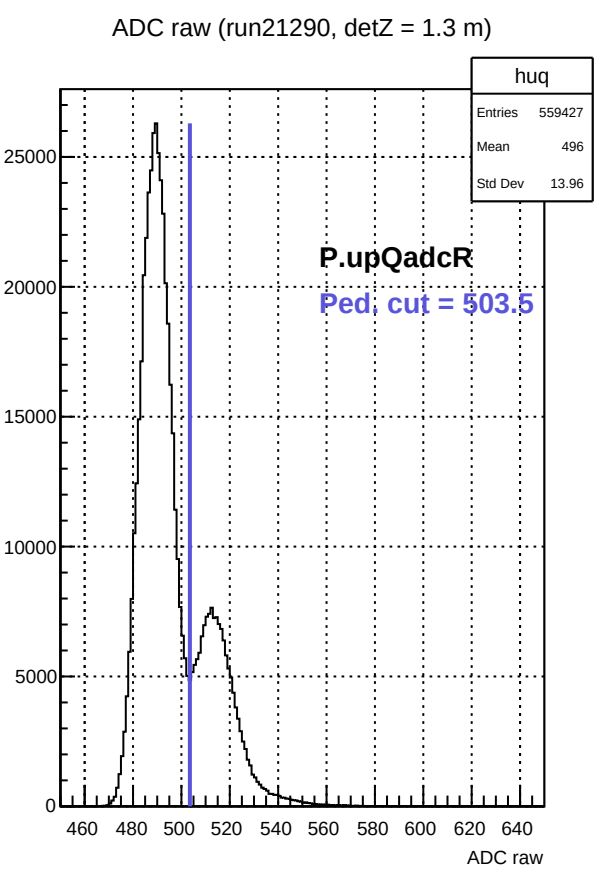

θlab (deg), pCut = 0.940 GeV
Theta
Entries 208487
Mean 4.764
Std Dev 0.4744
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

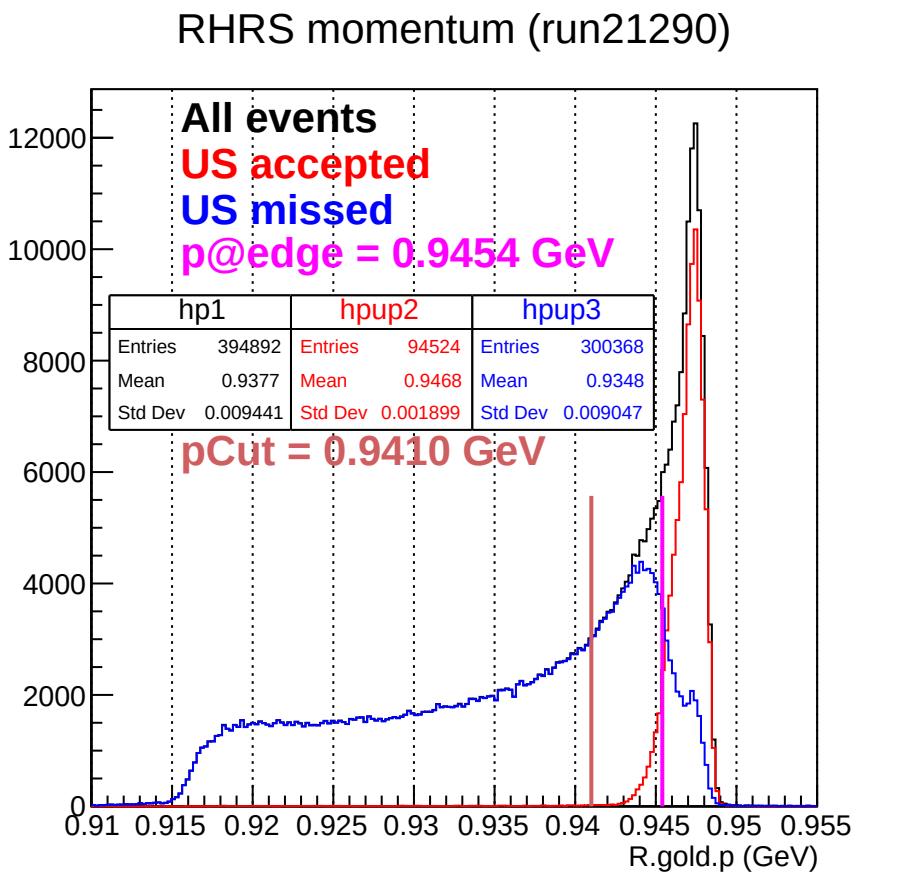

Asymmetry (ppm), pCut = 0.940 GeV
Asym
Entries 208487
Mean 0.5651
Std Dev 0.08361
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

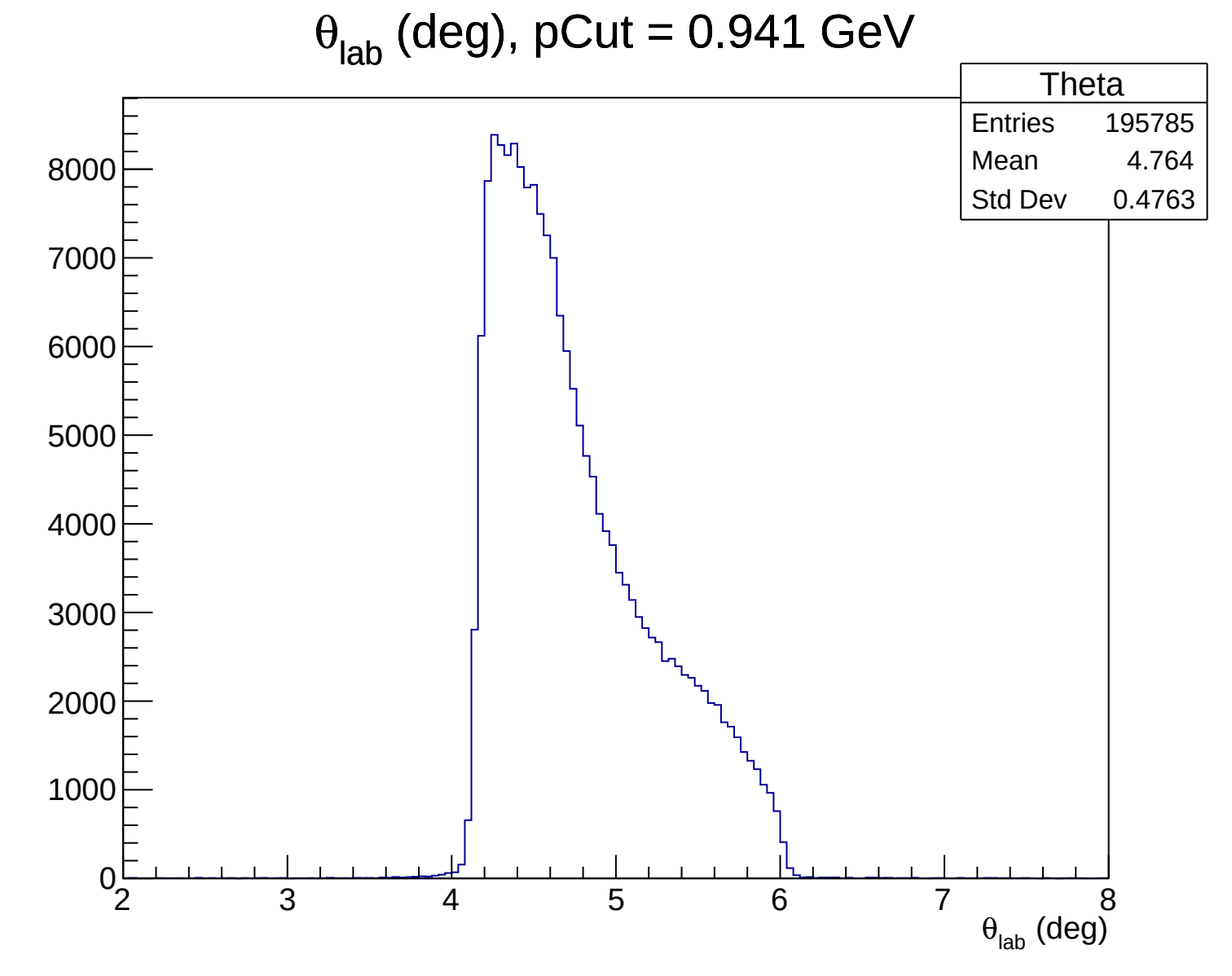

Stretched Asym. (ppm), pCut = 0.940 GeV
SAsym
Entries 208487
Mean 0.5524
Std Dev 0.07973
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

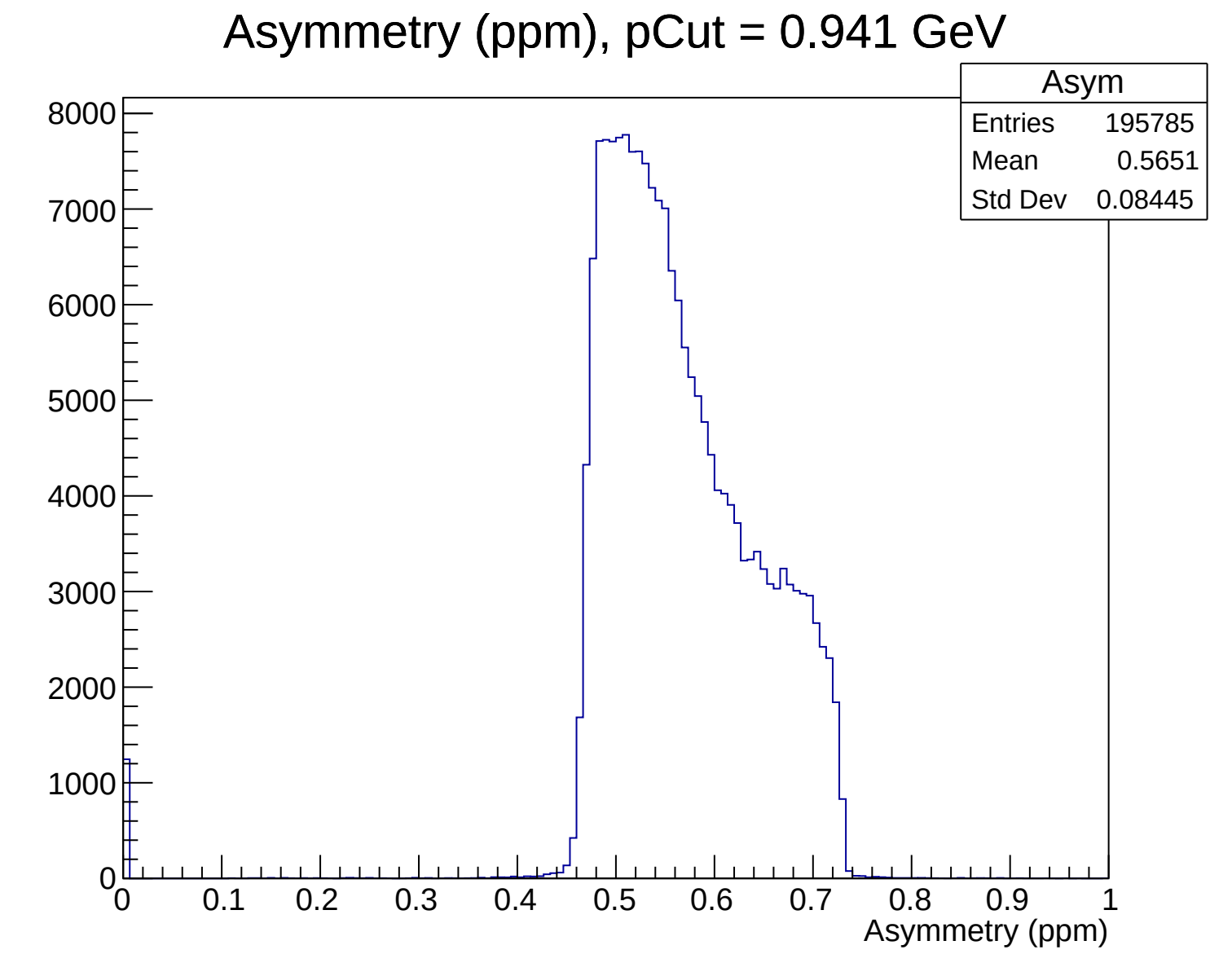

Q^2 (GeV/c)^2, pCut = 0.940 GeV
Q2
Entries 208487
Mean 0.006261
Std Dev 0.001286
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

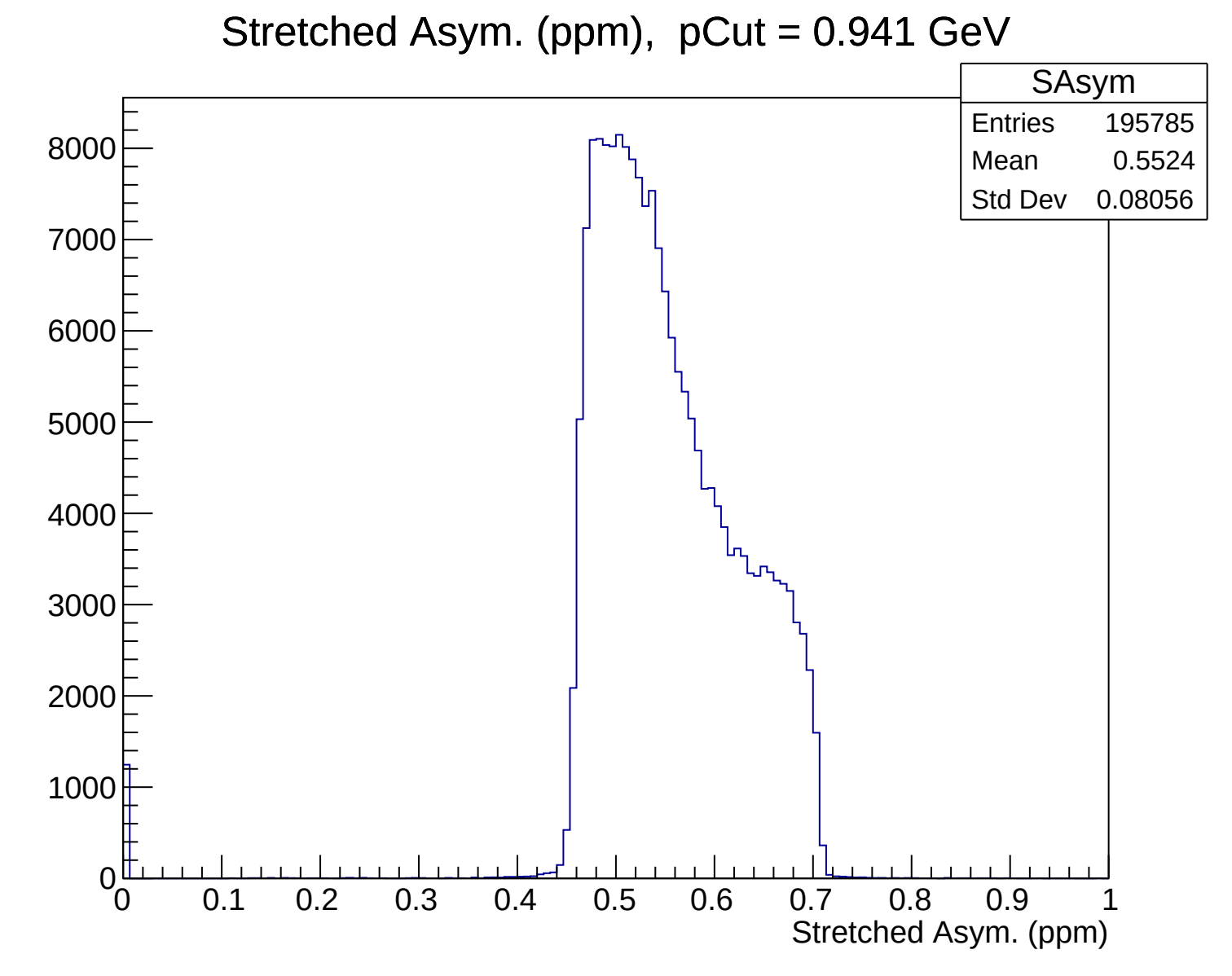

Sensitivity, pCut = 0.940 GeV
sens
Entries 208487
Mean 0.02198
Std Dev 0.004061
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

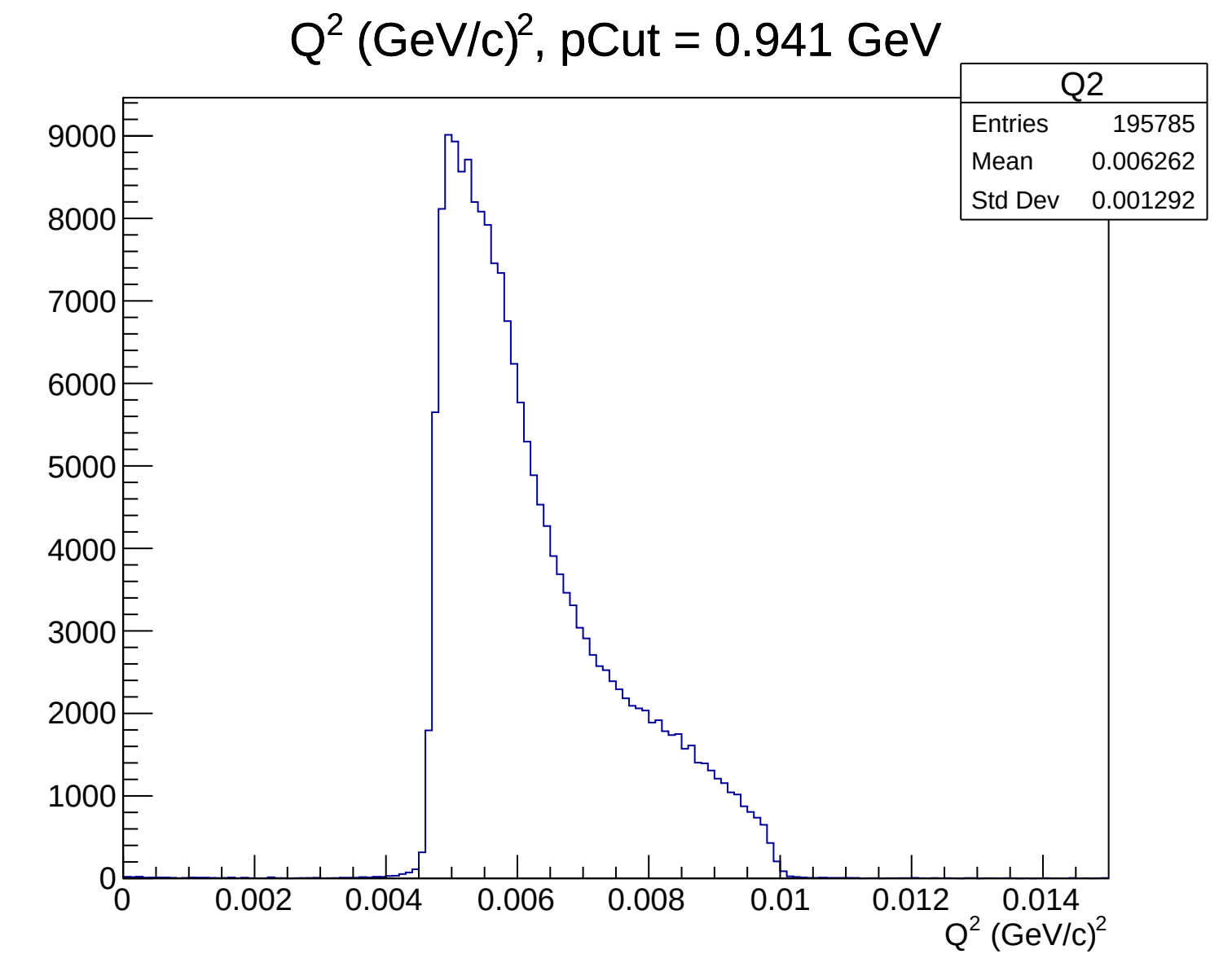

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

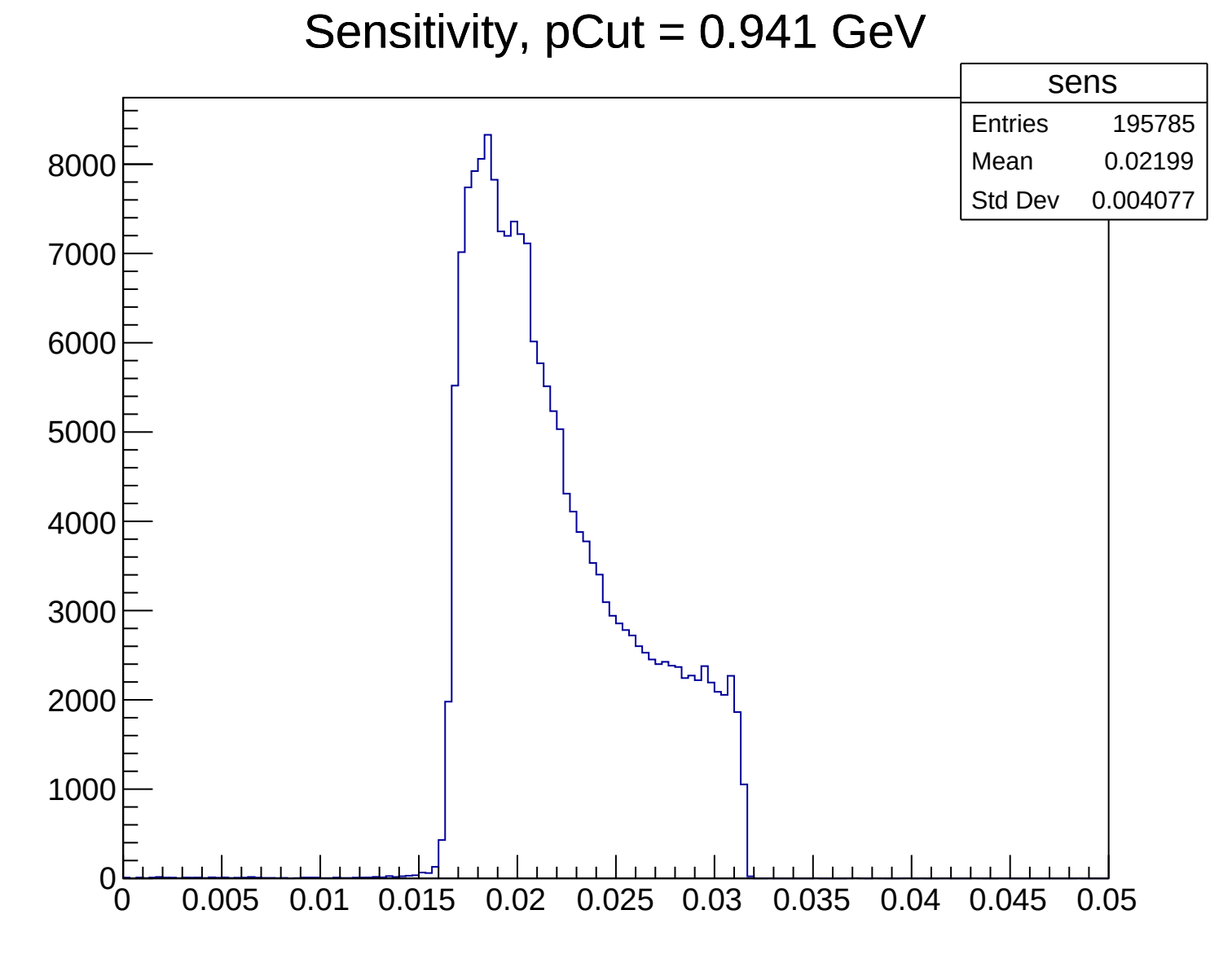

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9410 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

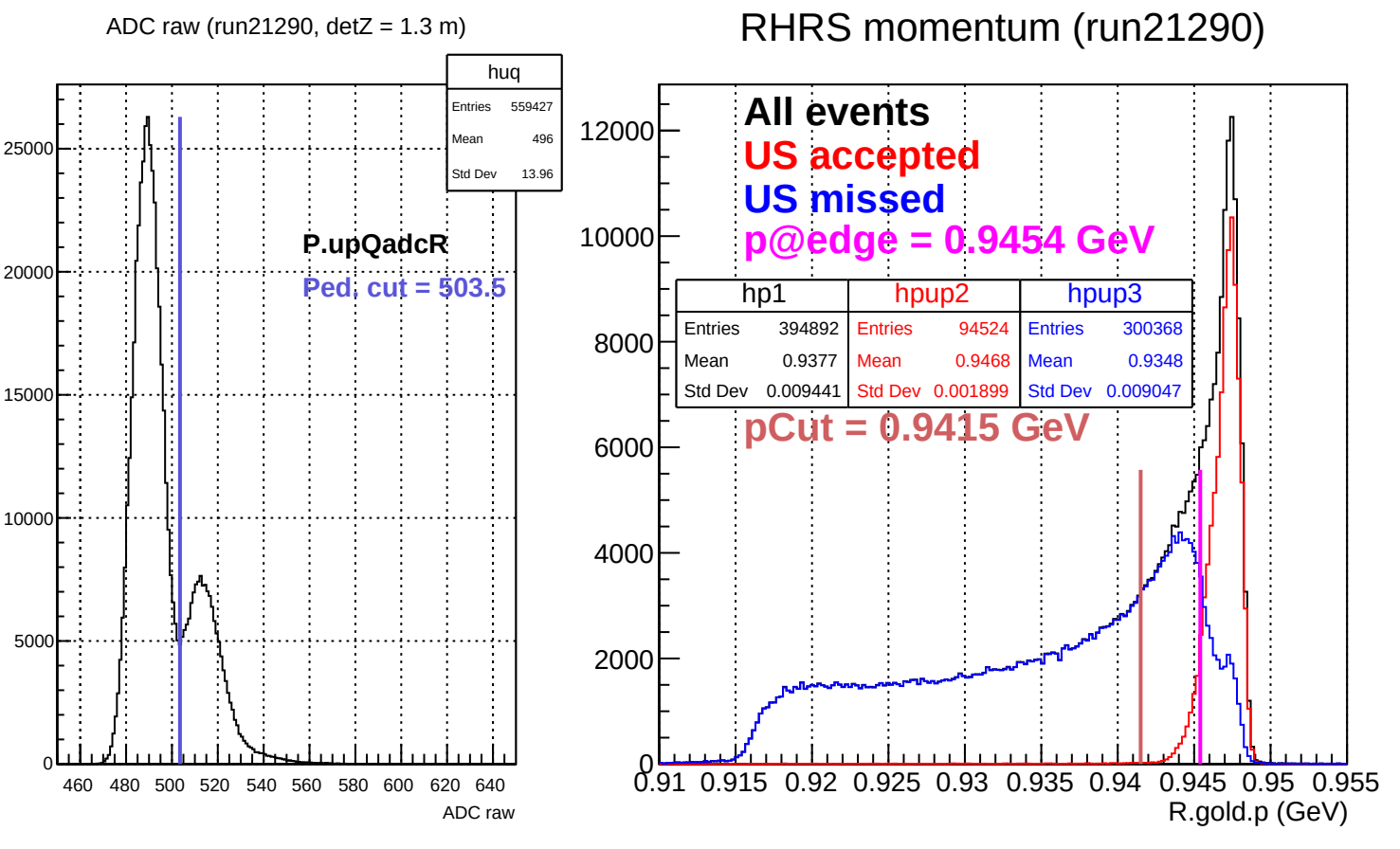

θlab (deg), pCut = 0.941 GeV
Theta
Entries 195785
Mean 4.764
Std Dev 0.4763
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

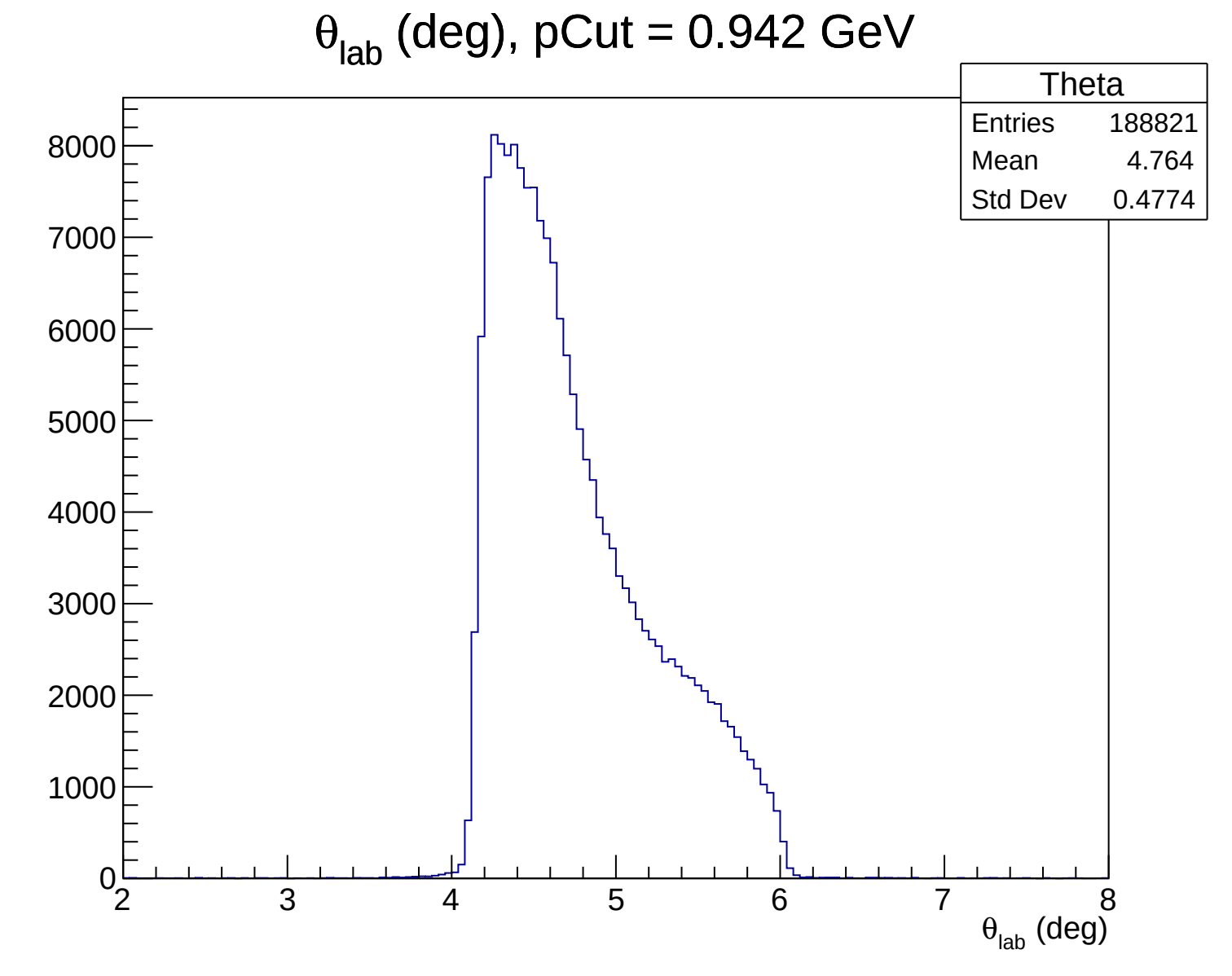

Asymmetry (ppm), pCut = 0.941 GeV
Asym
Entries 195785
Mean 0.5651
Std Dev 0.08445
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

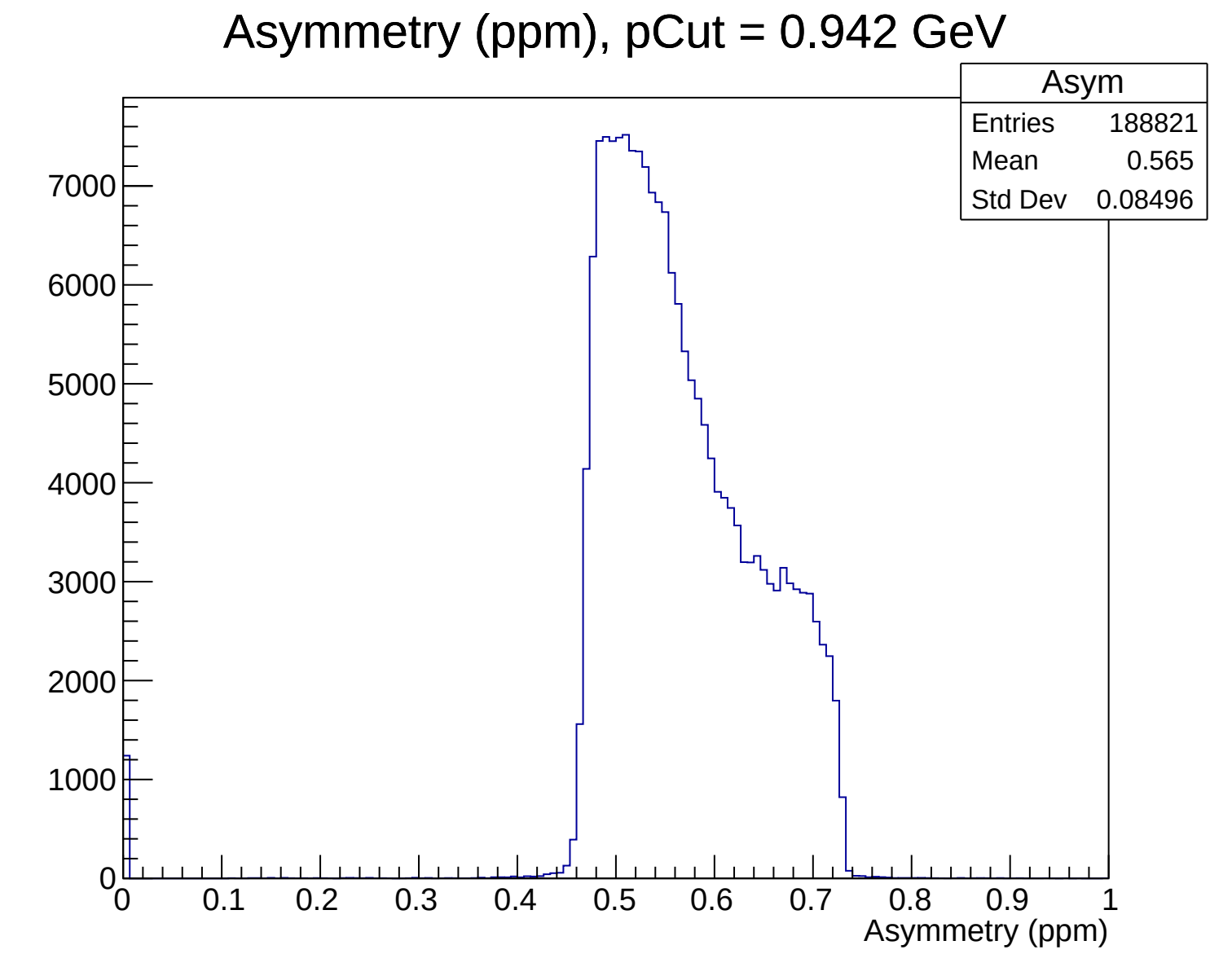

Stretched Asym. (ppm), pCut = 0.941 GeV
SAsym
Entries 195785
Mean 0.5524
Std Dev 0.08056
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

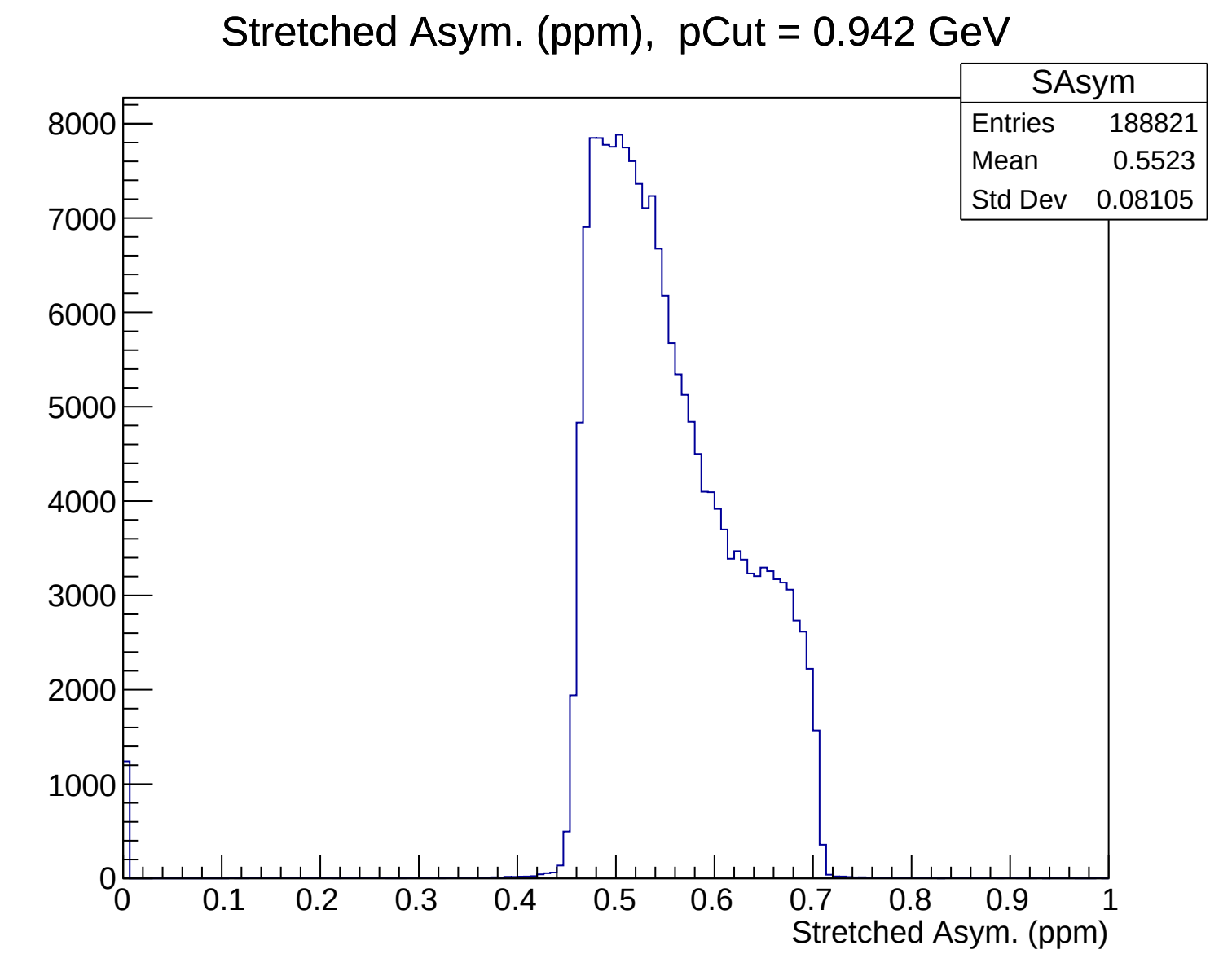

Q^2 (GeV/c)^2, pCut = 0.941 GeV
Q2
Entries 195785
Mean 0.006262
Std Dev 0.001292
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

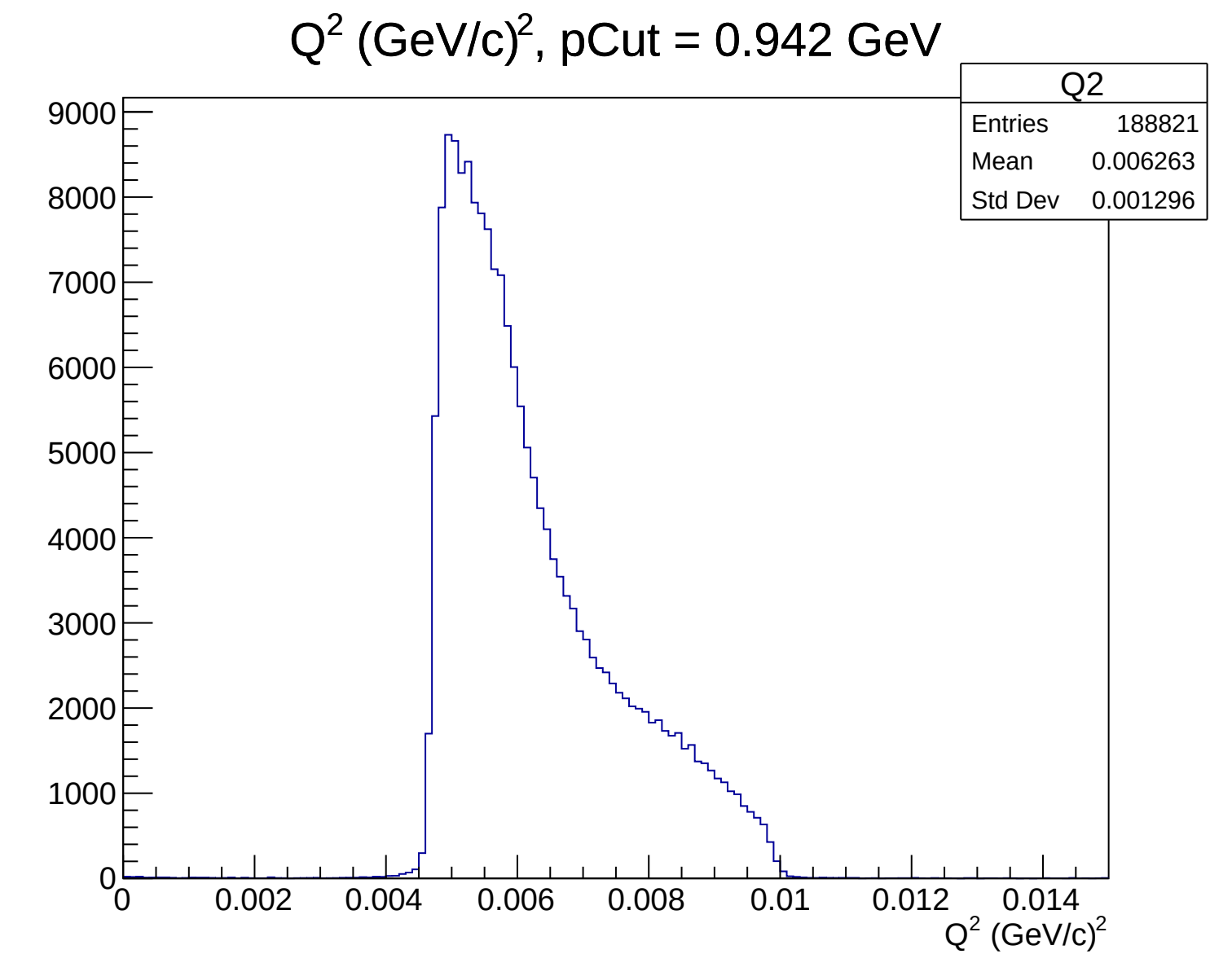

Sensitivity, pCut = 0.941 GeV
sens
Entries 195785
Mean 0.02199
Std Dev 0.004077
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

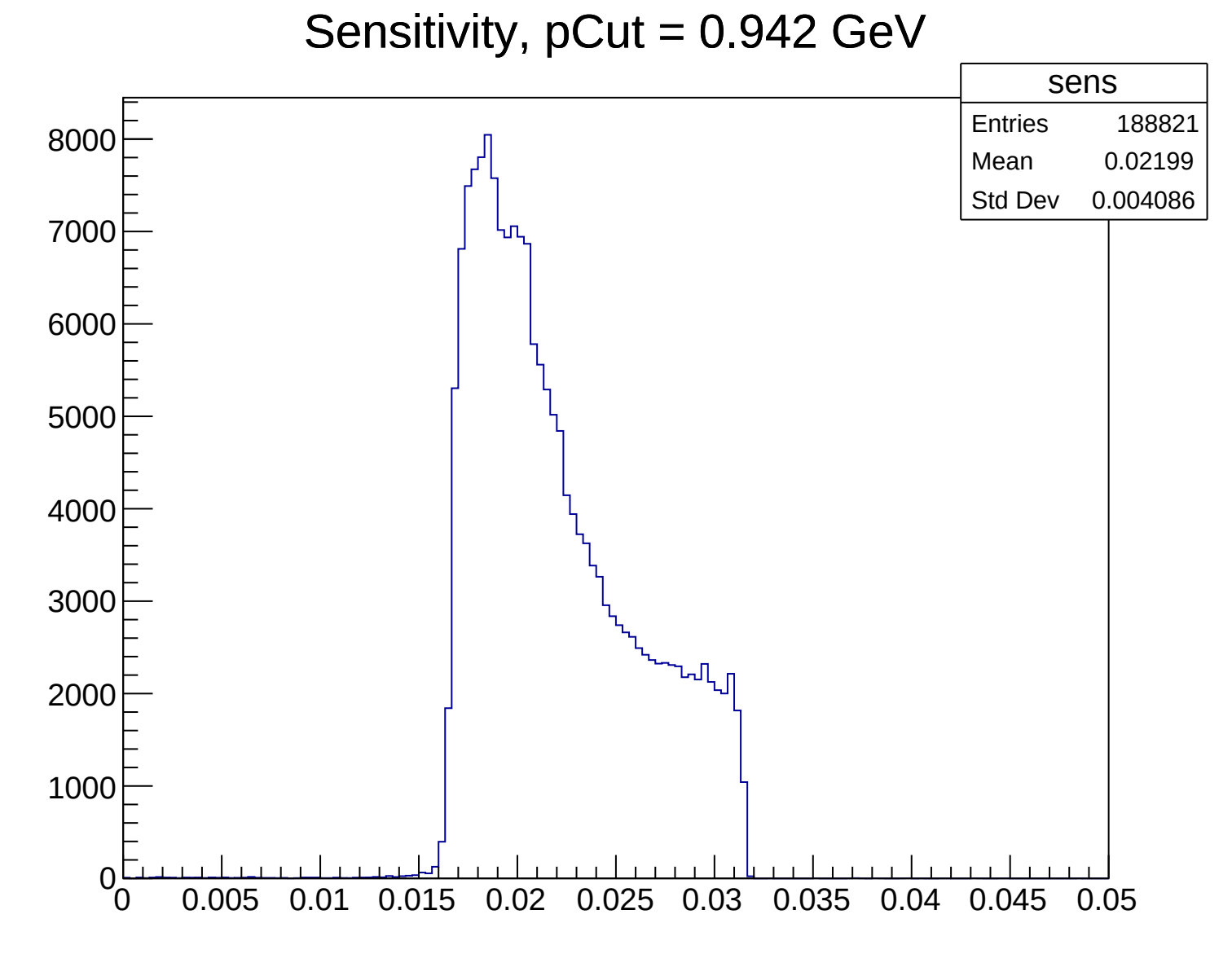

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
ADC raw
RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9415 GeV
R.gold.p (GeV)

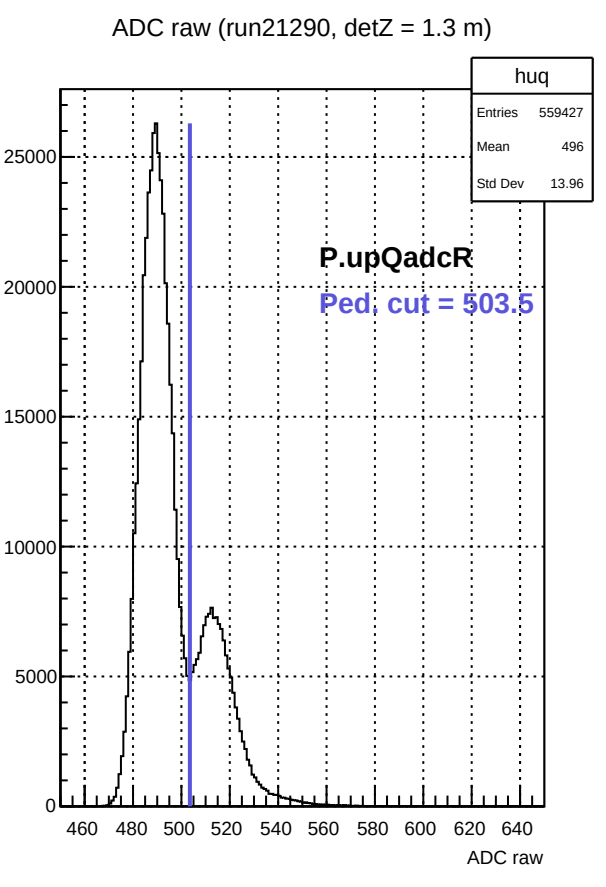

θlab (deg), pCut = 0.942 GeV
Theta
Entries 188821
Mean 4.764
Std Dev 0.4774
8000
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

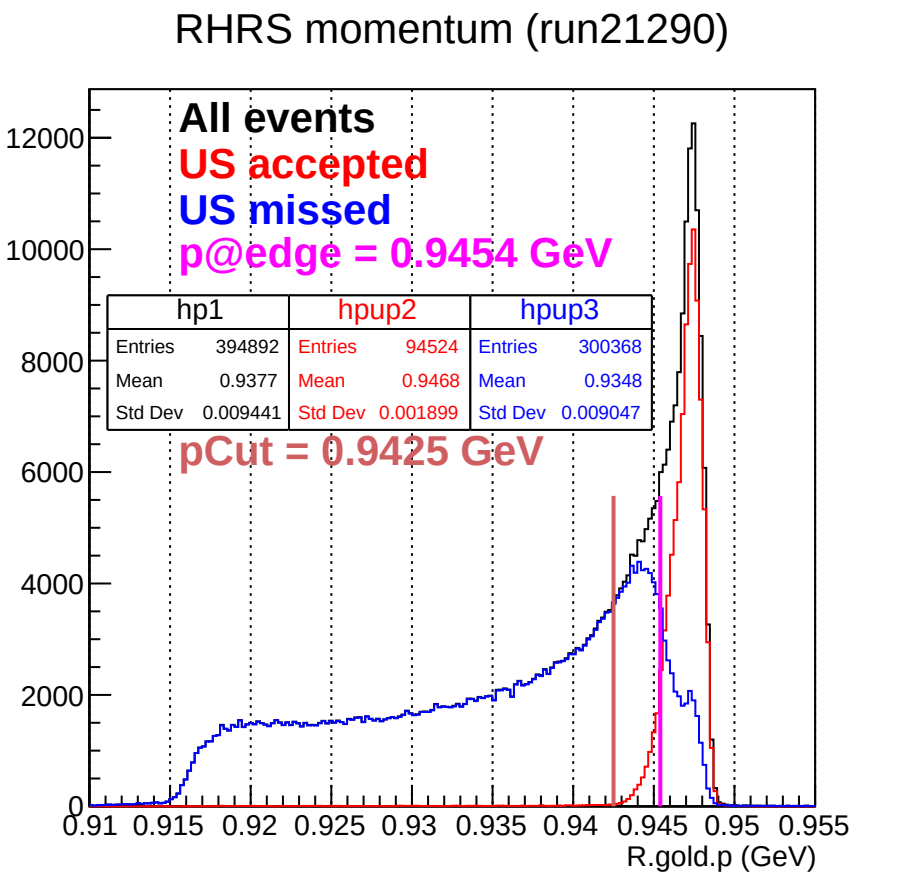

Asymmetry (ppm), pCut = 0.942 GeV
Asym
Entries 188821
Mean 0.565
Std Dev 0.08496
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

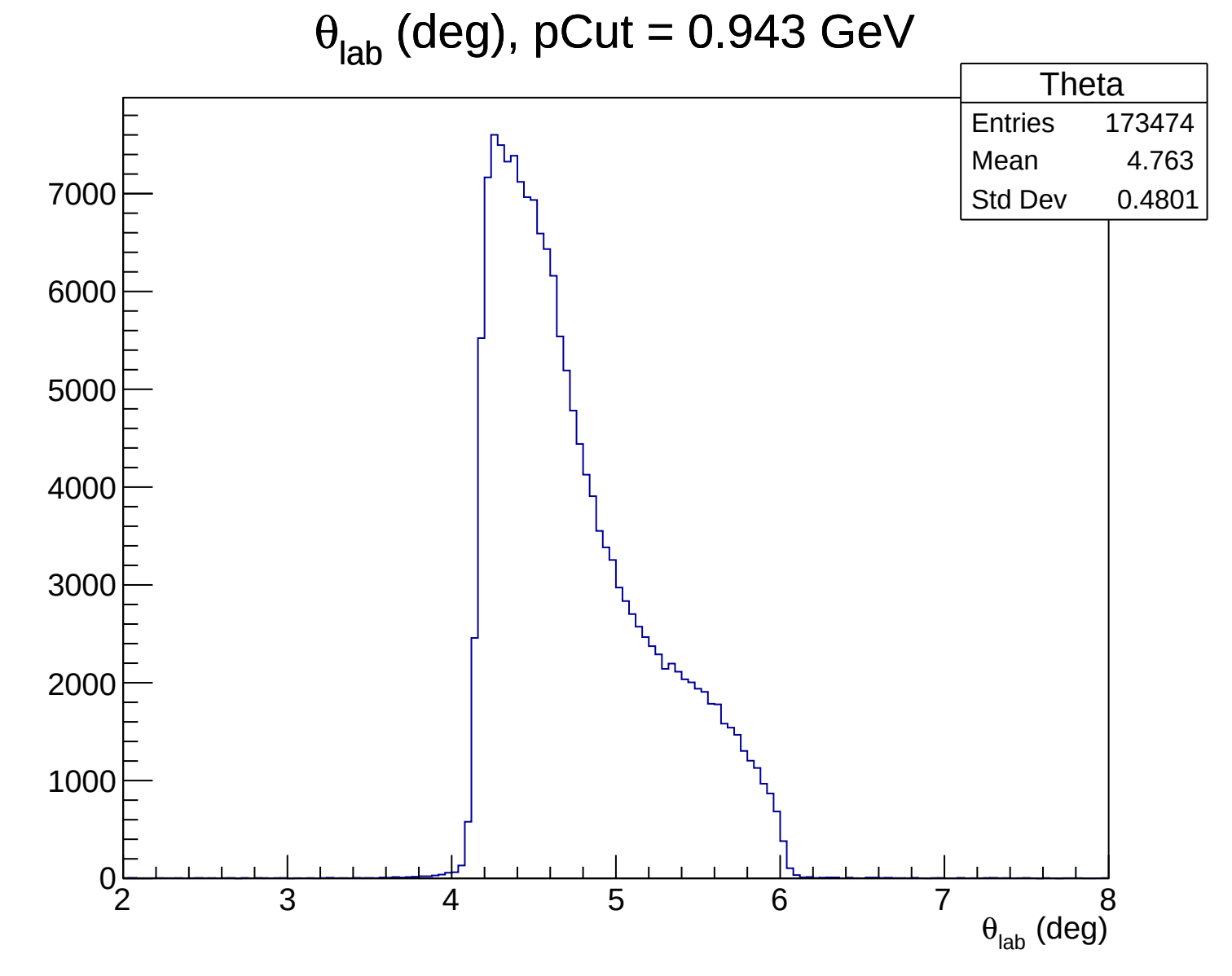

Stretched Asym. (ppm), pCut = 0.942 GeV
SAsym
Entries 188821
Mean 0.5523
Std Dev 0.08105
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

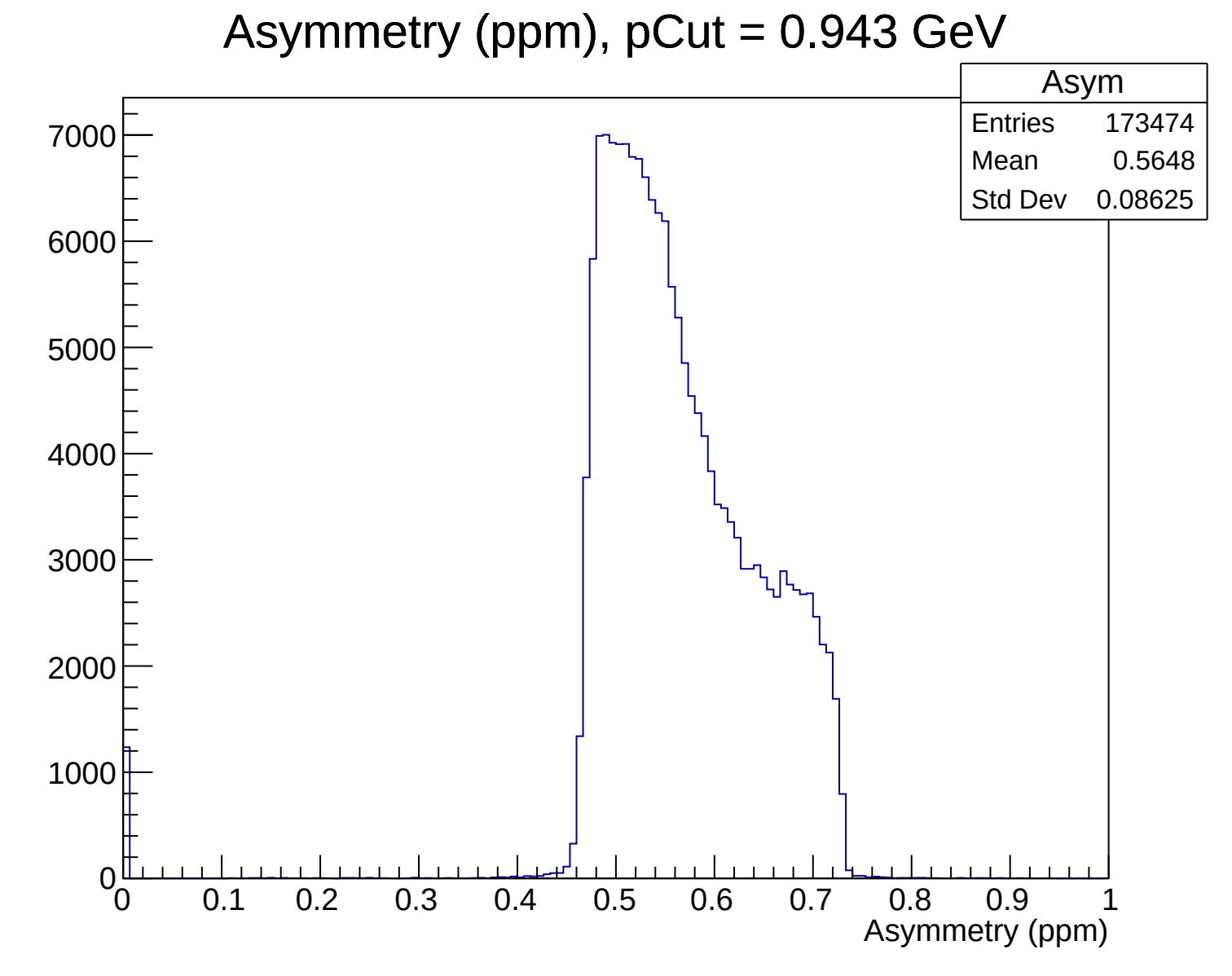

Q^2 (GeV/c)^2, pCut = 0.942 GeV
Q2
Entries 188821
Mean 0.006263
Std Dev 0.001296
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

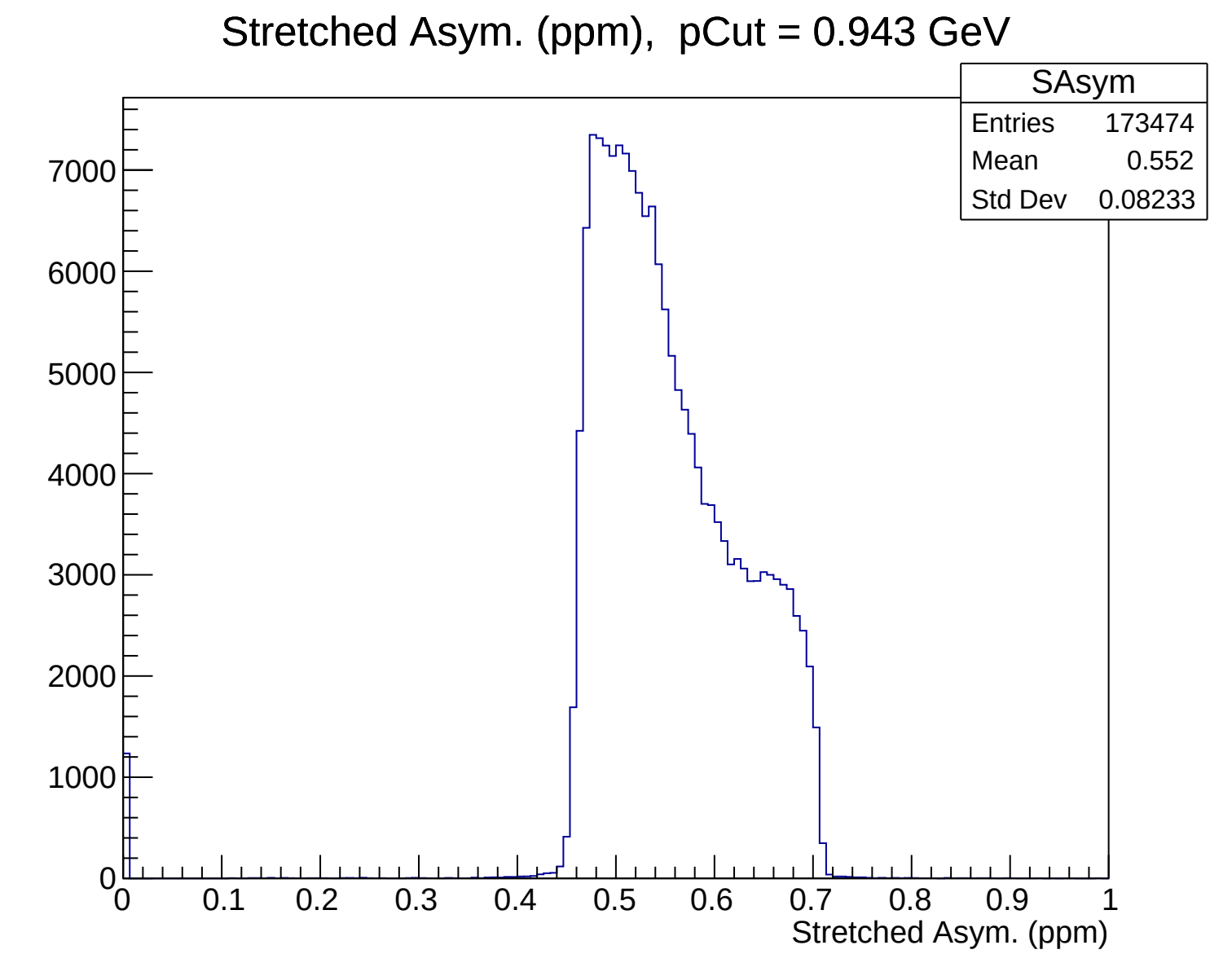

Sensitivity, pCut = 0.942 GeV
sens
Entries 188821
Mean 0.02199
Std Dev 0.004086
8000
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

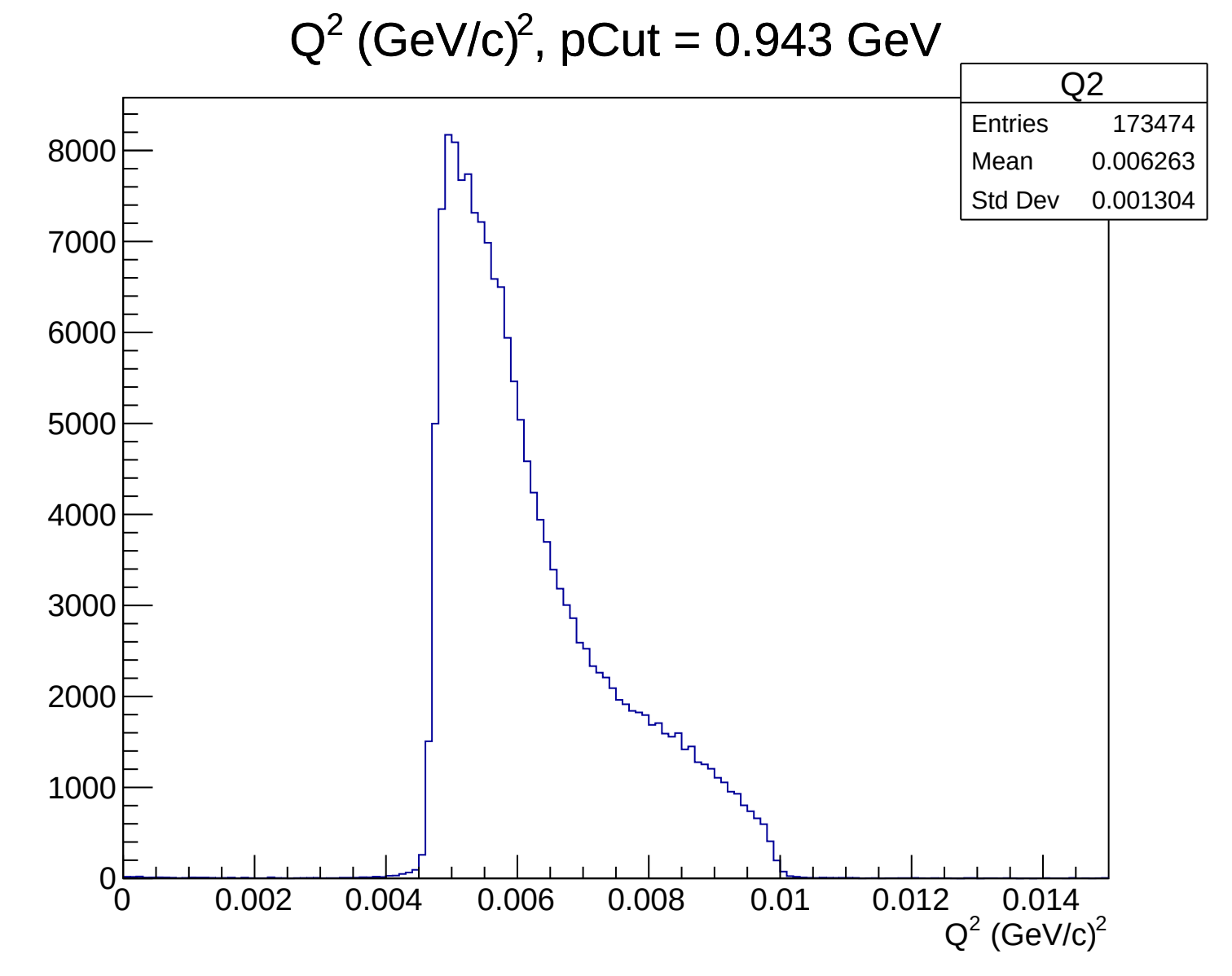

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

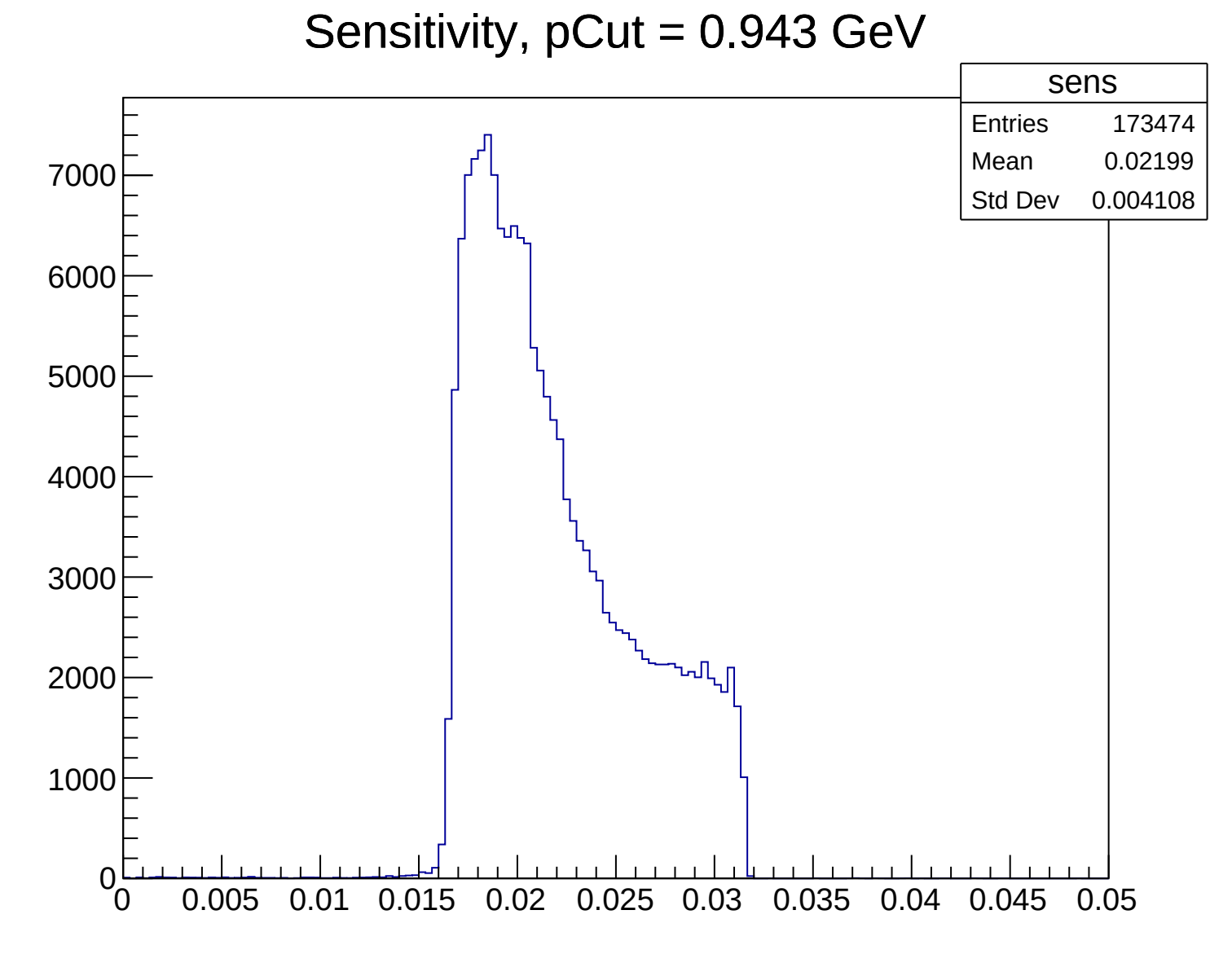

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9425 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

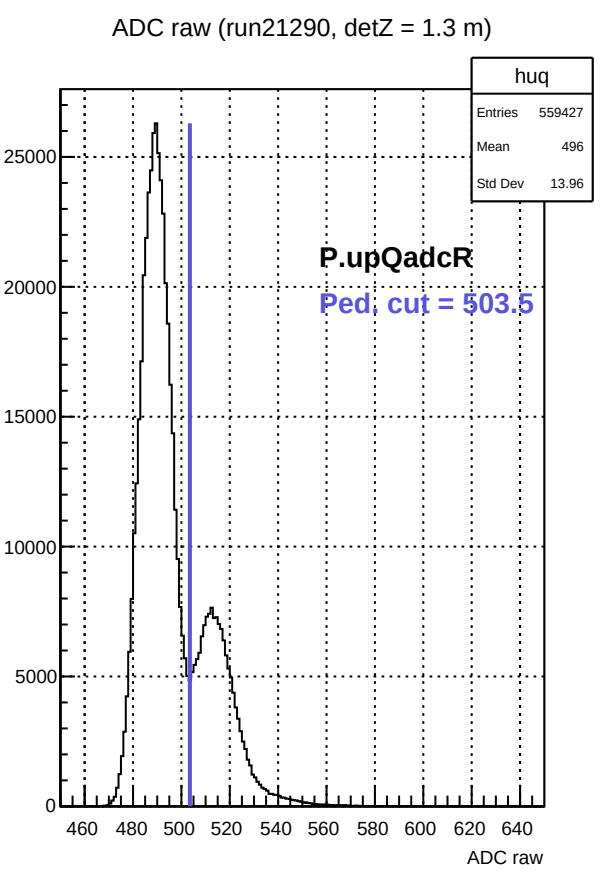

θlab (deg), pCut = 0.943 GeV
Theta
Entries 173474
Mean 4.763
Std Dev 0.4801
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

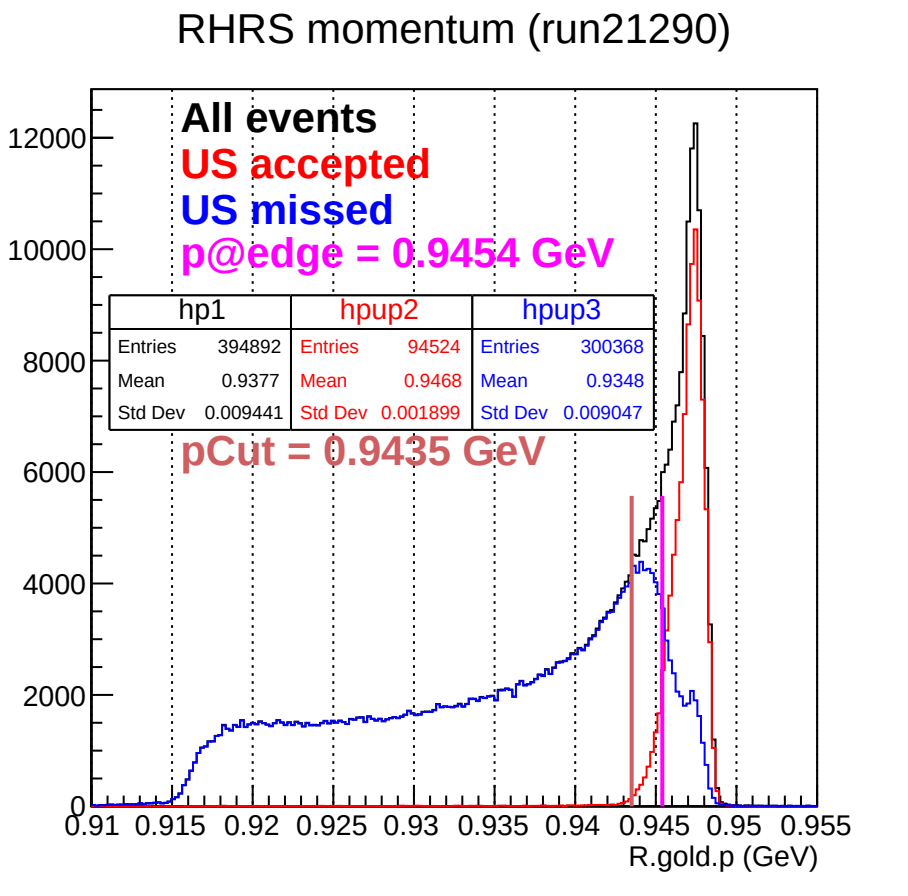

Asymmetry (ppm), pCut = 0.943 GeV
Asym
Entries 173474
Mean 0.5648
Std Dev 0.08625
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

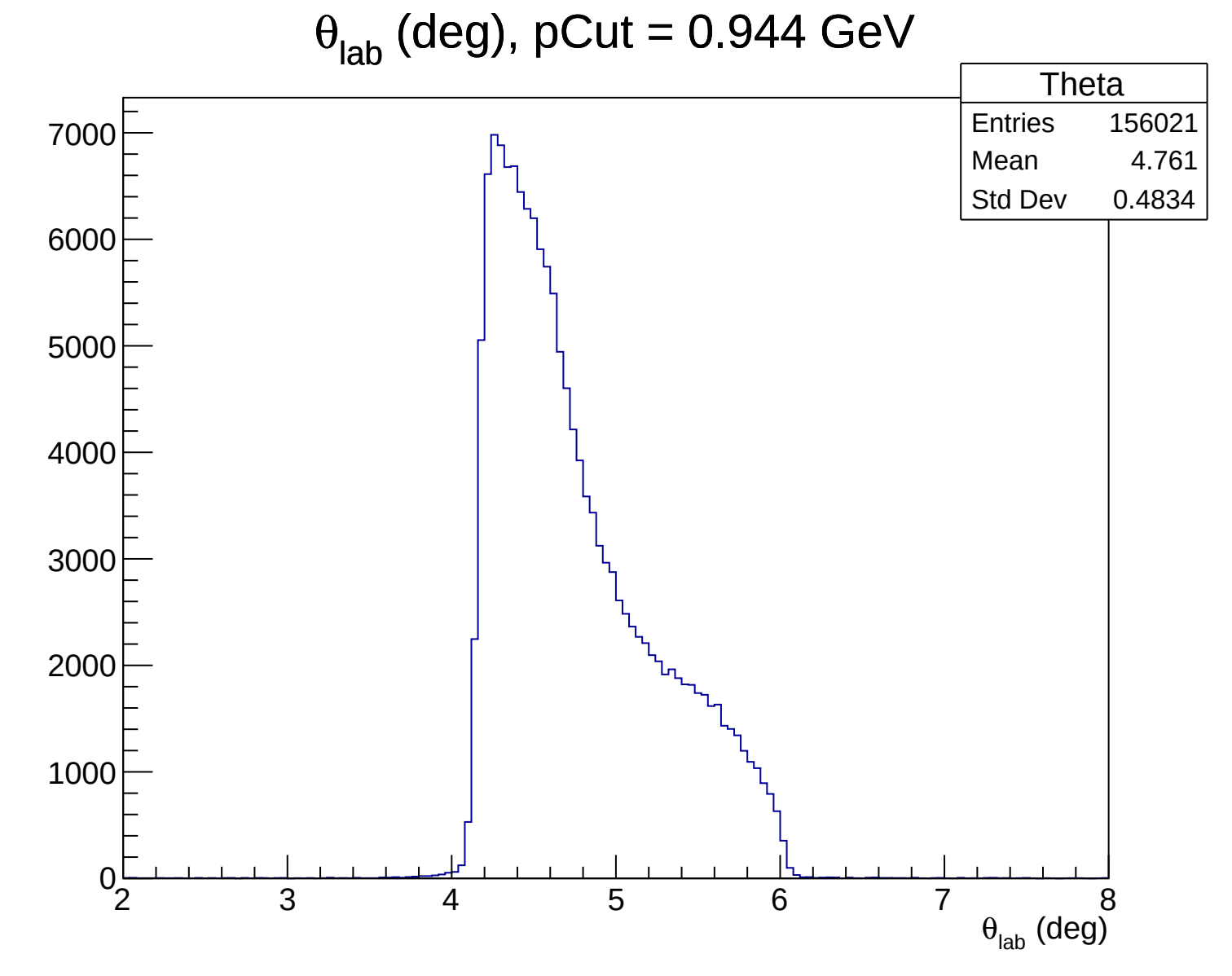

Stretched Asym. (ppm), pCut = 0.943 GeV
SAsym
Entries 173474
Mean 0.552
Std Dev 0.08233
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

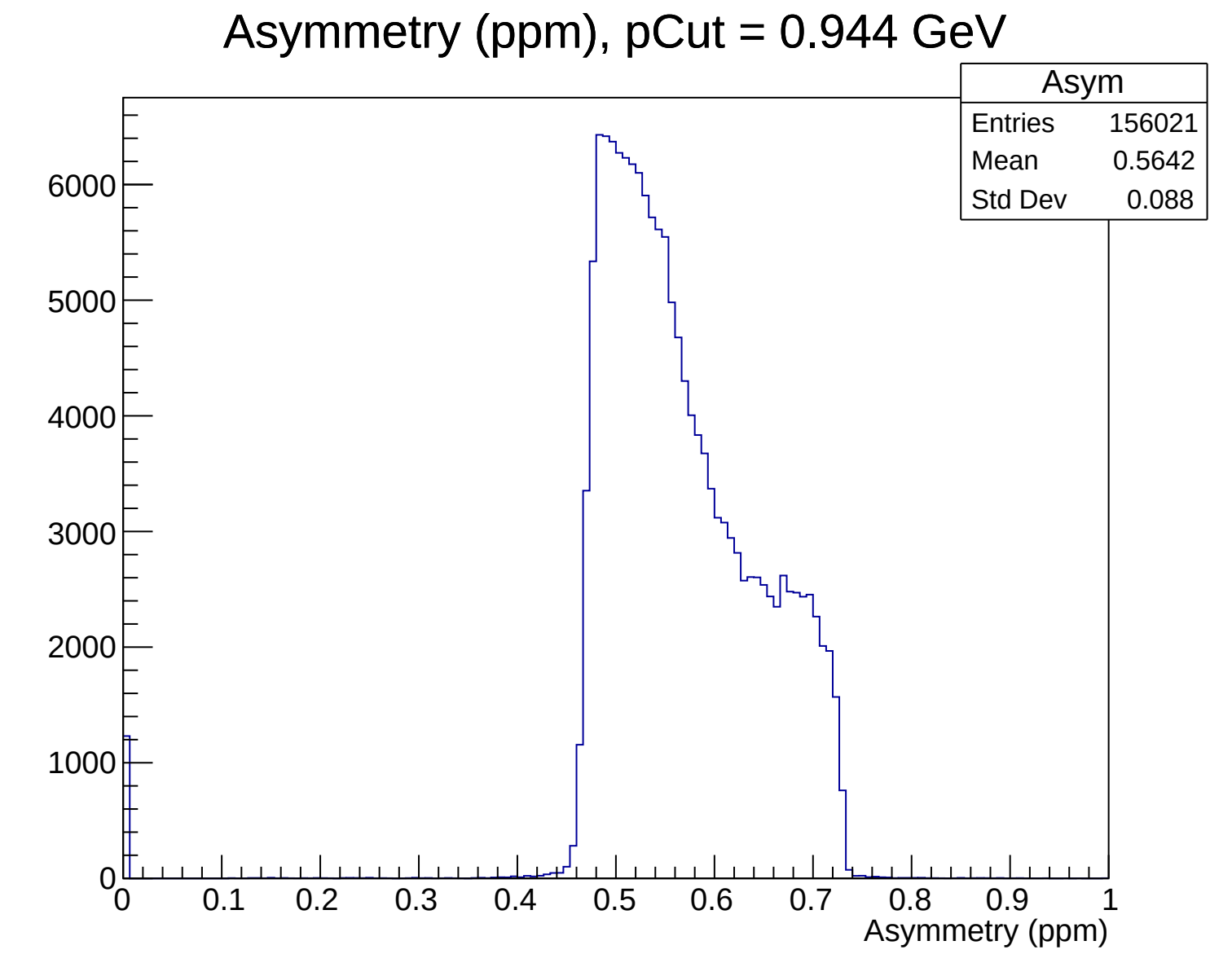

Q^2 (GeV/c)^2, pCut = 0.943 GeV
Q2
Entries 173474
Mean 0.006263
Std Dev 0.001304
8000
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

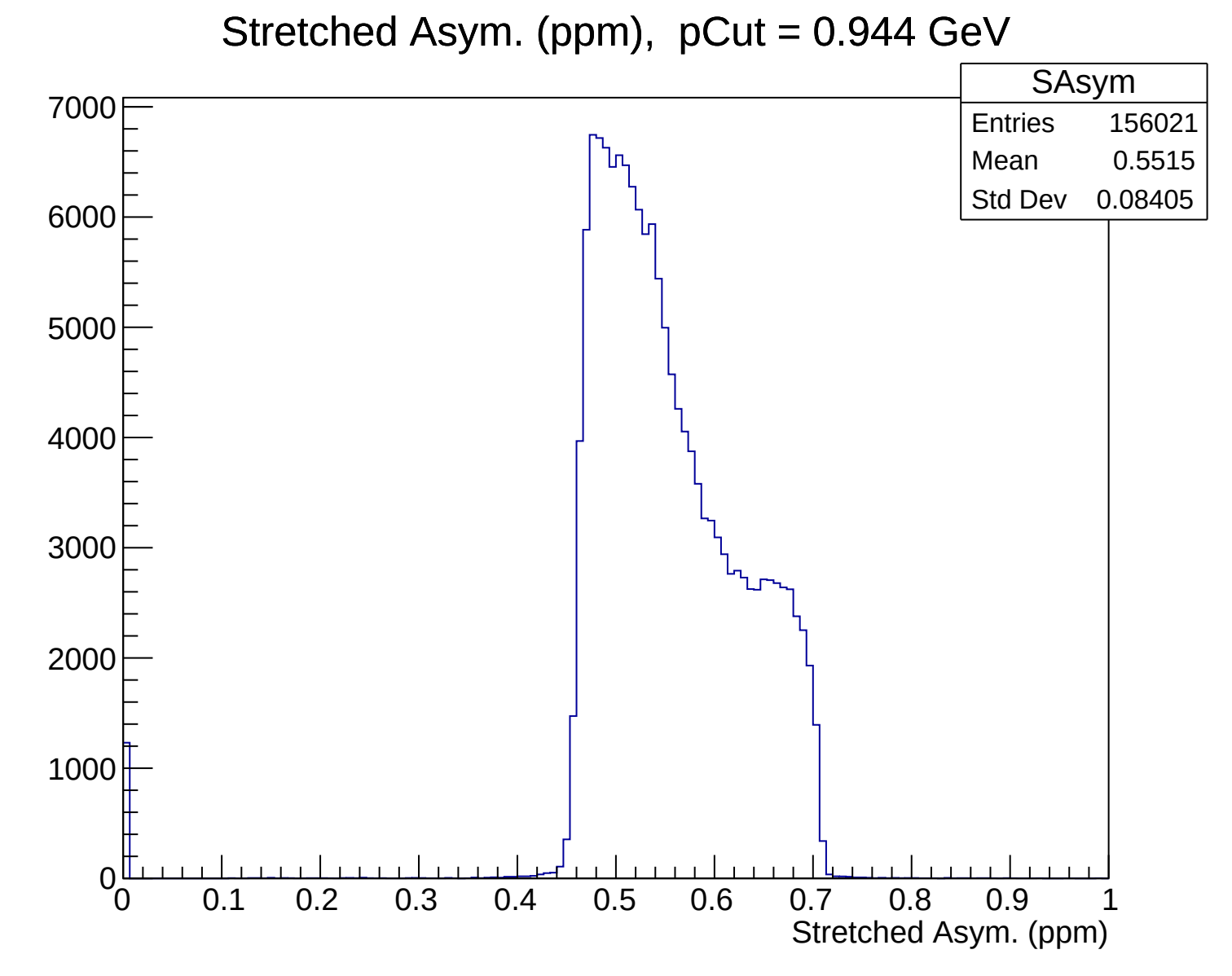

Sensitivity, pCut = 0.943 GeV
sens
Entries 173474
Mean 0.02199
Std Dev 0.004108
7000
6000
5000
4000
3000
2000
1000
0
0 0.005 0.01 0.015 0.02 0.025 0.03 0.035 0.04 0.045 0.05

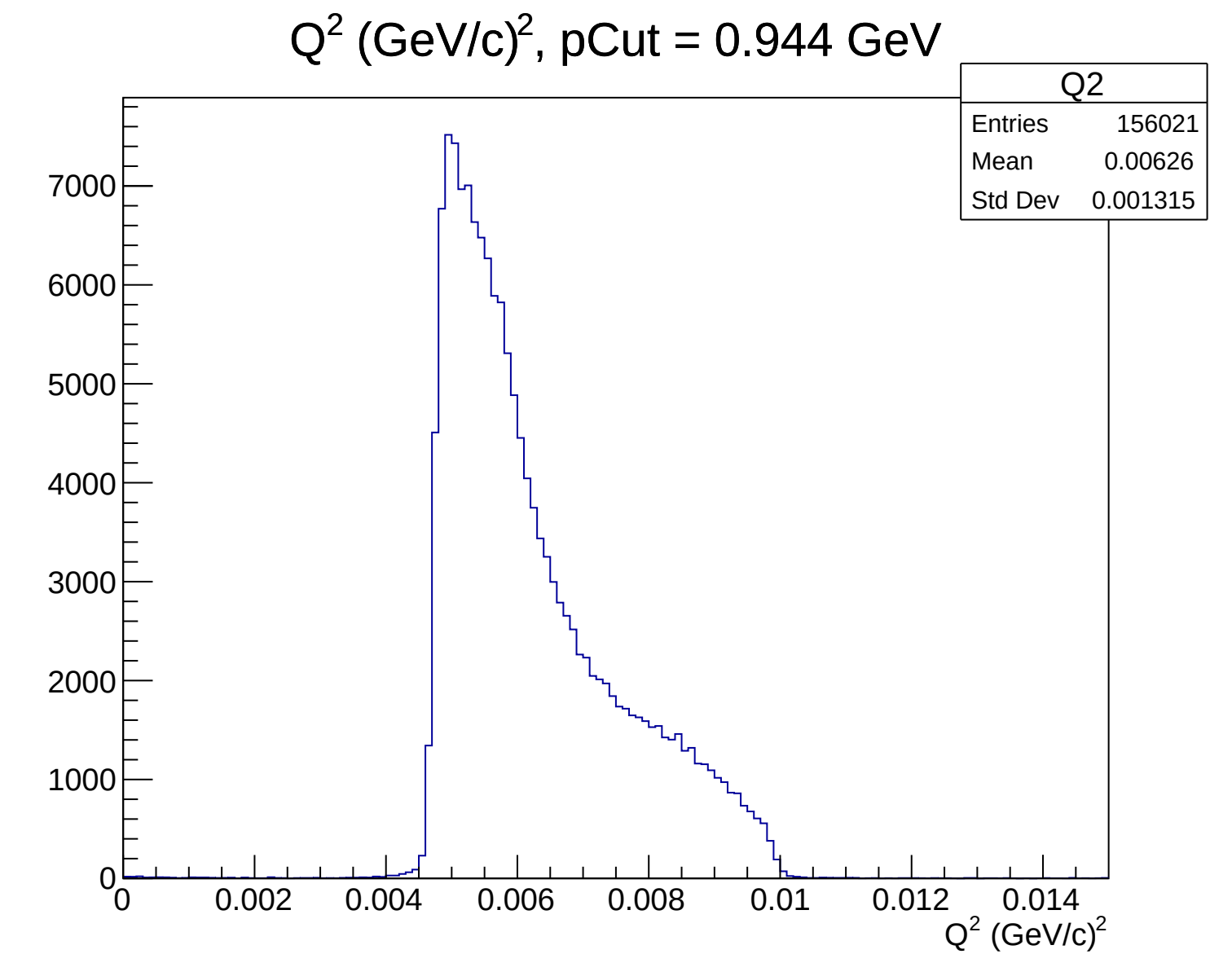

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

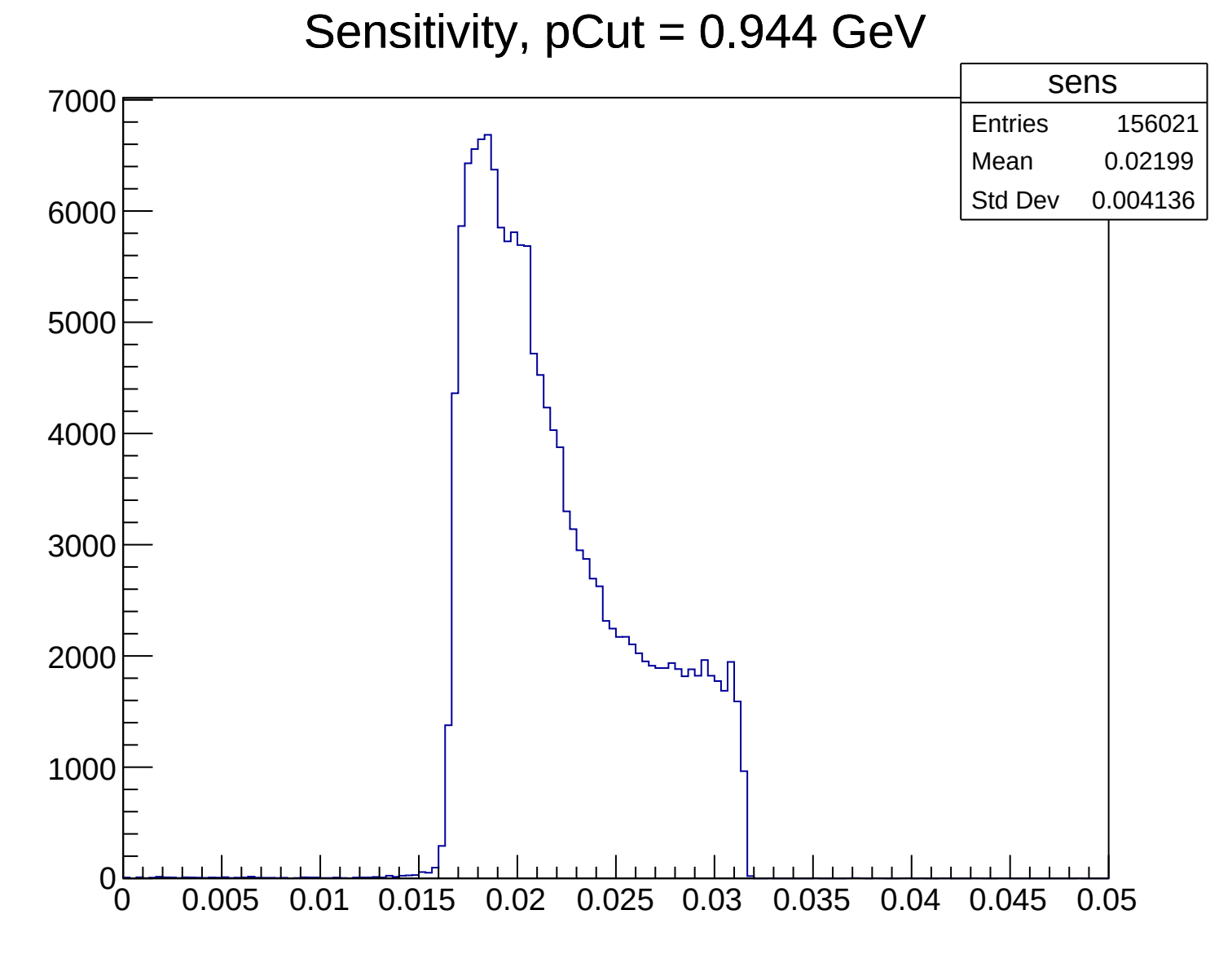

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9435 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

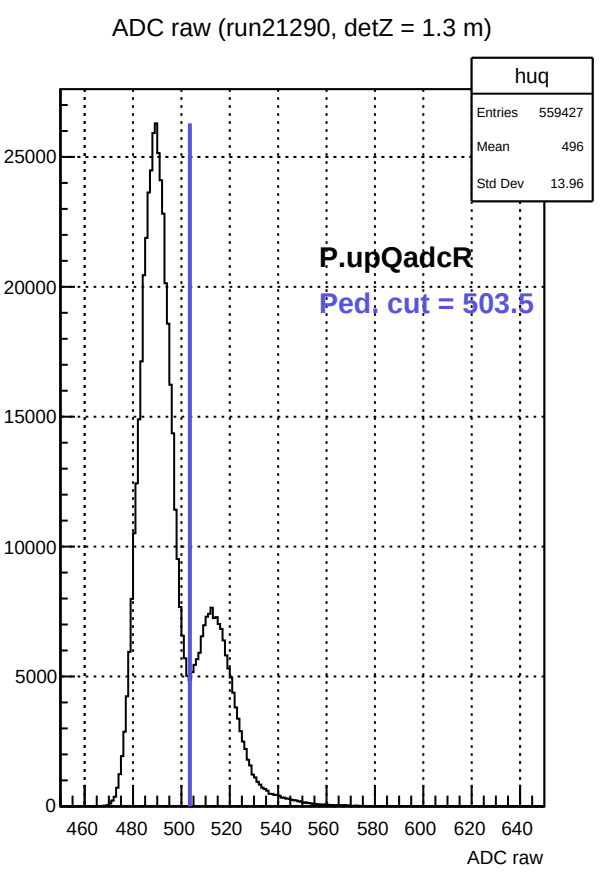

θlab (deg), pCut = 0.944 GeV
Theta
Entries 156021
Mean 4.761
Std Dev 0.4834
7000
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

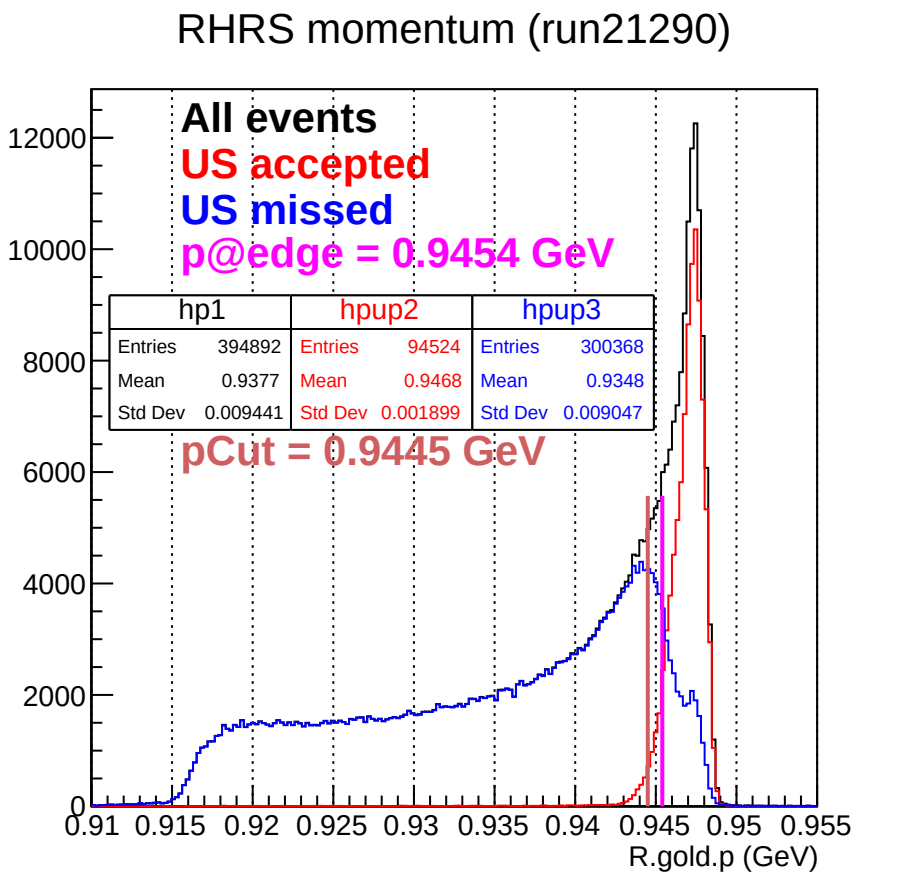

Asymmetry (ppm), pCut = 0.944 GeV
Asym
Entries 156021
Mean 0.5642
Std Dev 0.088
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

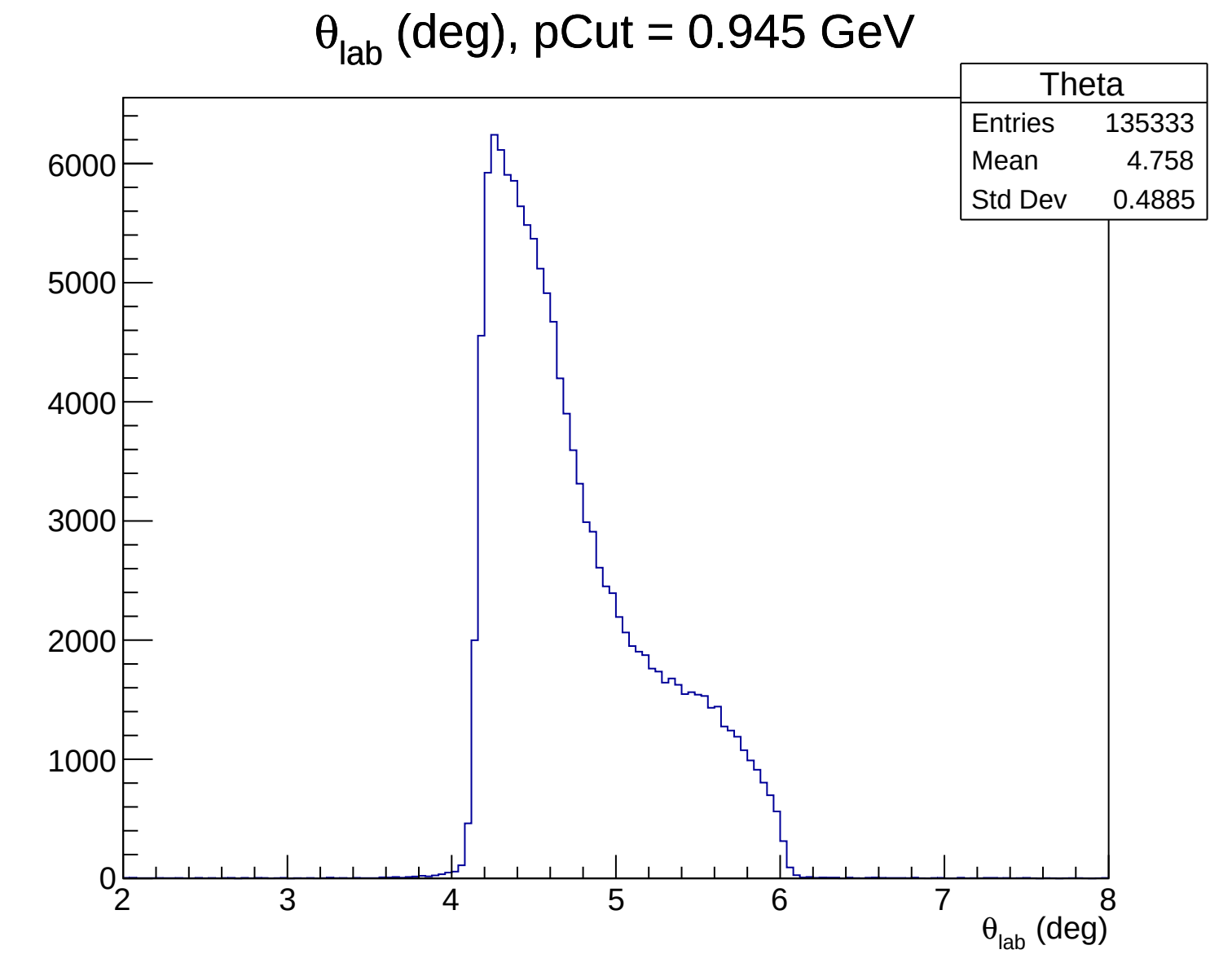

Stretched Asym. (ppm), pCut = 0.944 GeV
SAsym
Entries 156021
Mean 0.5515
Std Dev 0.08405
7000
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

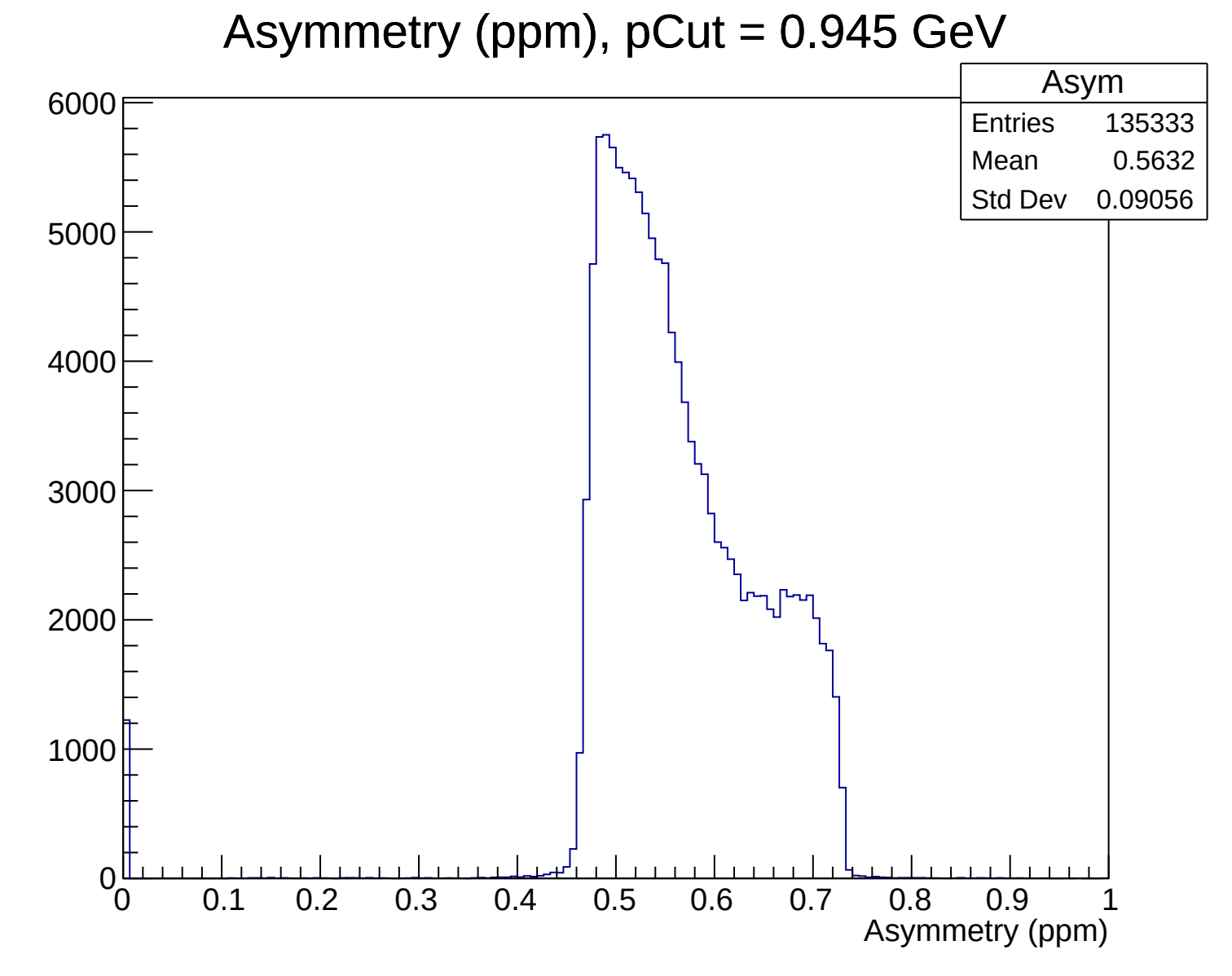

Q^2 (GeV/c)^2, pCut = 0.944 GeV
Q2
Entries 156021
Mean 0.00626
Std Dev 0.001315
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

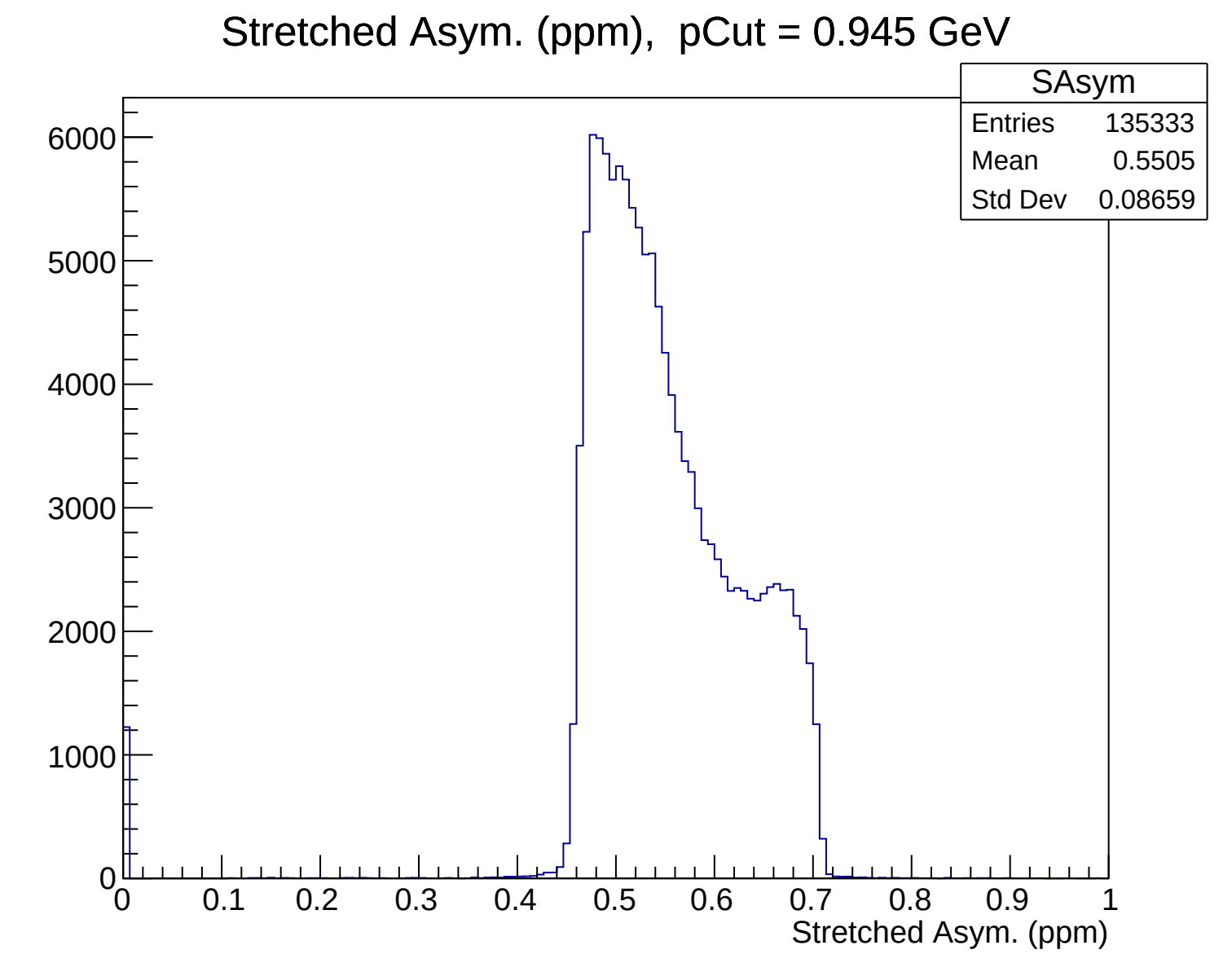

Sensitivity, pCut = 0.944 GeV
sens
Entries 156021
Mean 0.02199
Std Dev 0.004136
7000
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

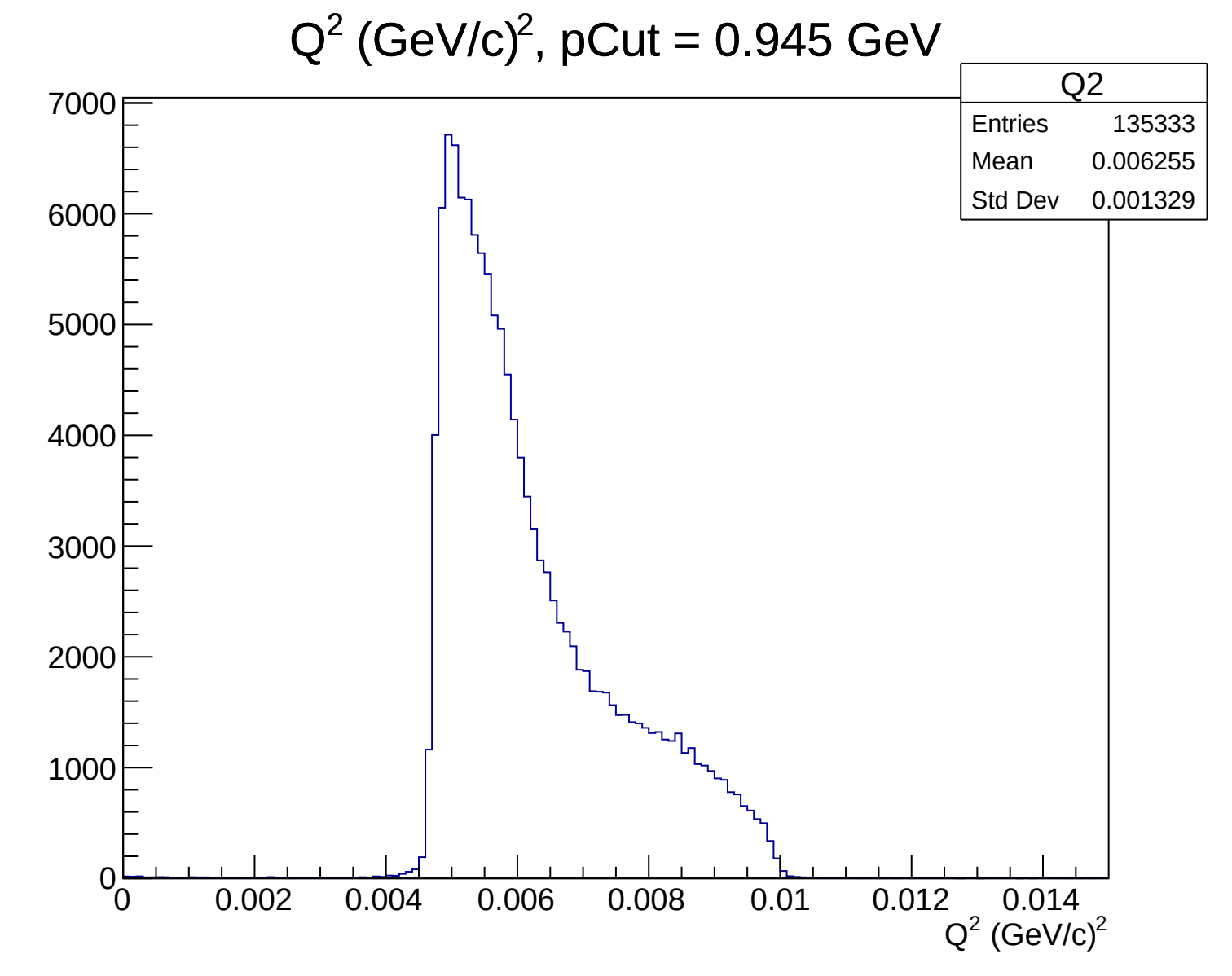

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

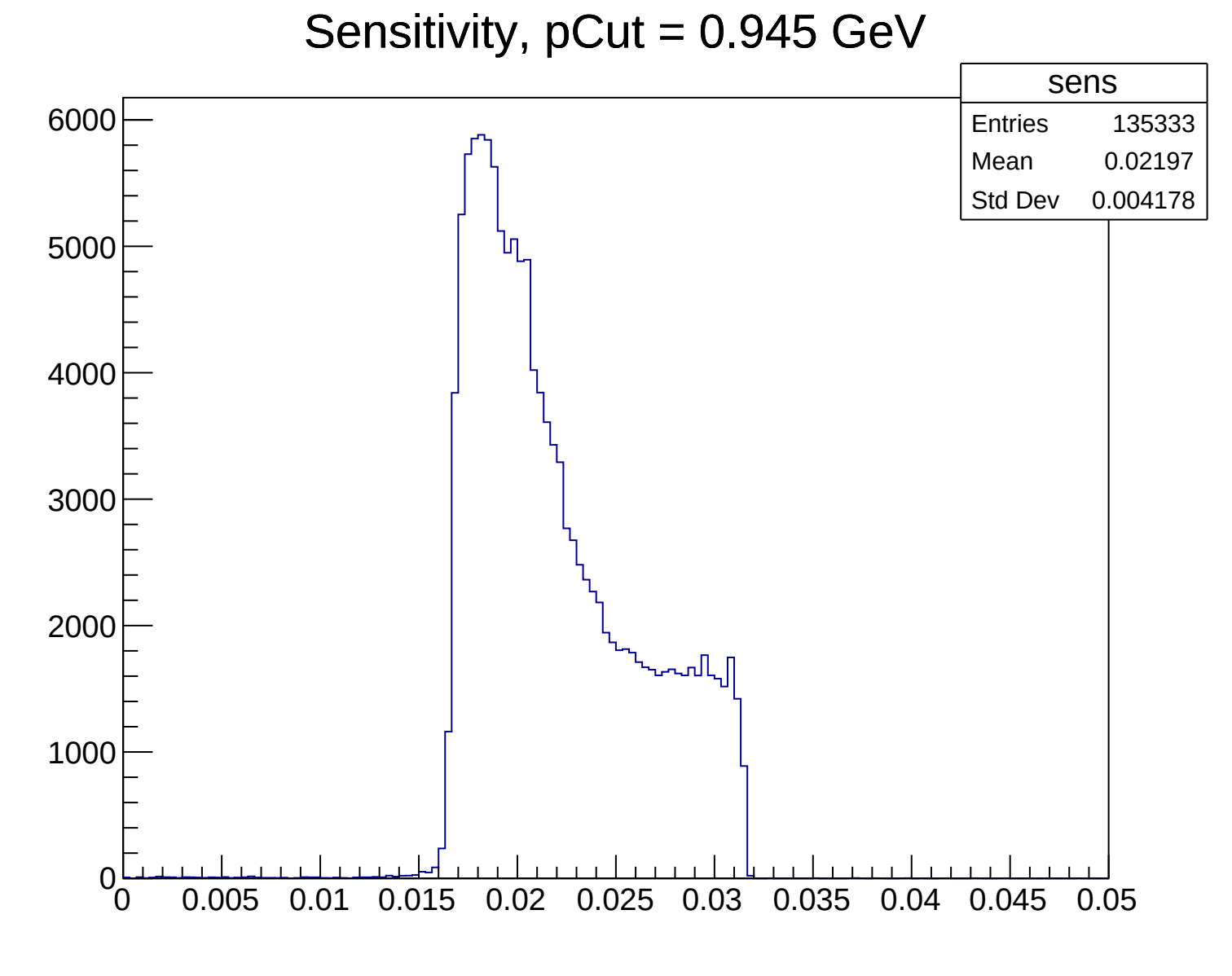

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9445 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

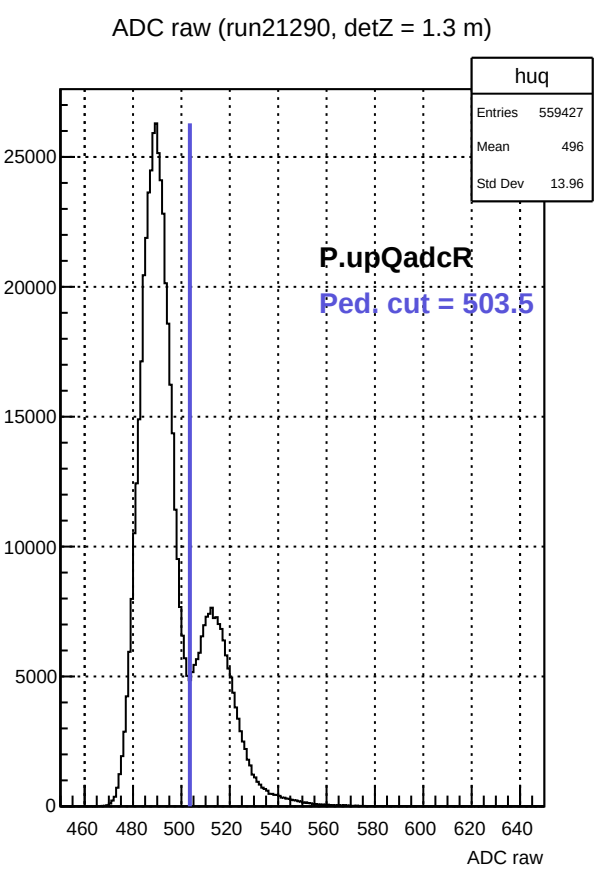

θlab (deg), pCut = 0.945 GeV
Theta
Entries 135333
Mean 4.758
Std Dev 0.4885
6000
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

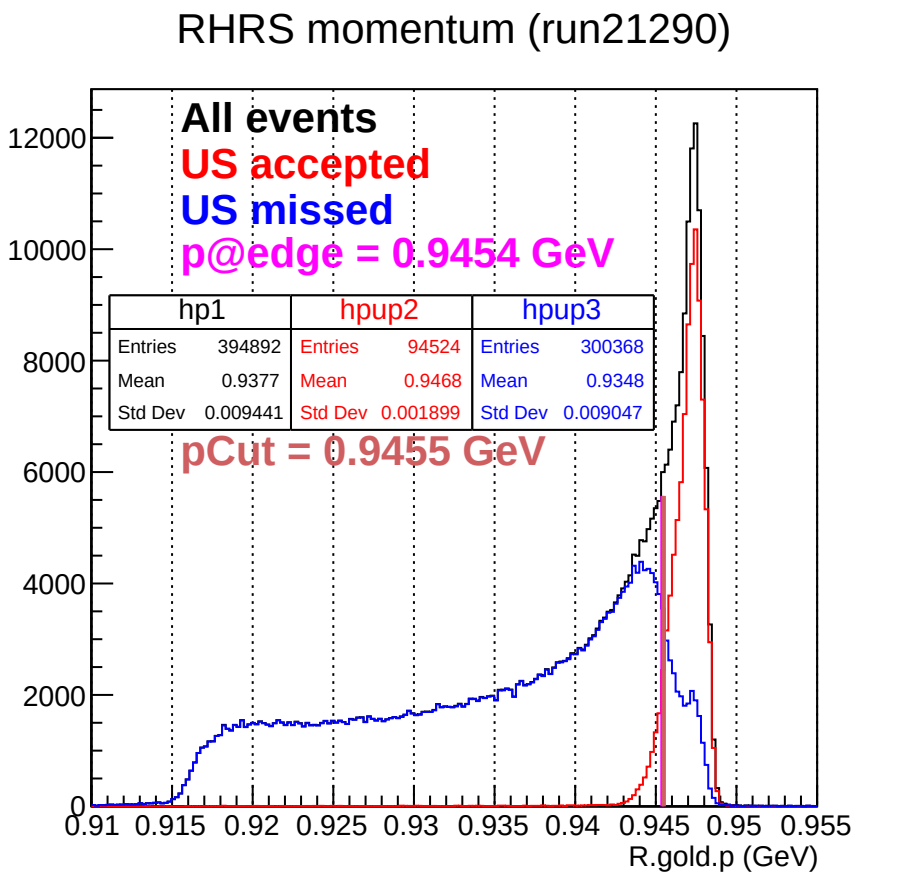

Asymmetry (ppm), pCut = 0.945 GeV
Asym
Entries 135333
Mean 0.5632
Std Dev 0.09056
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

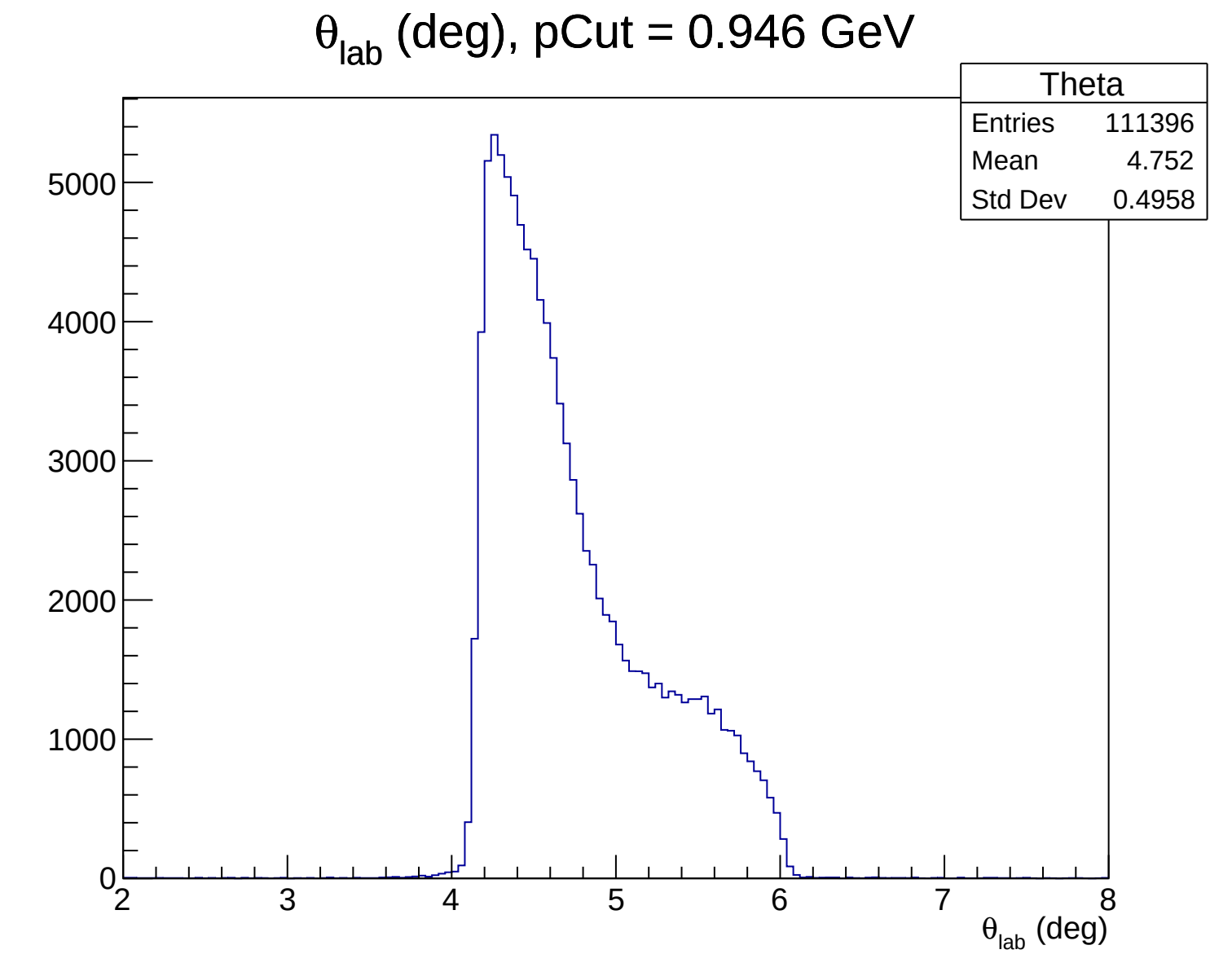

Stretched Asym. (ppm), pCut = 0.945 GeV
SAsym
Entries 135333
Mean 0.5505
Std Dev 0.08659
6000
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

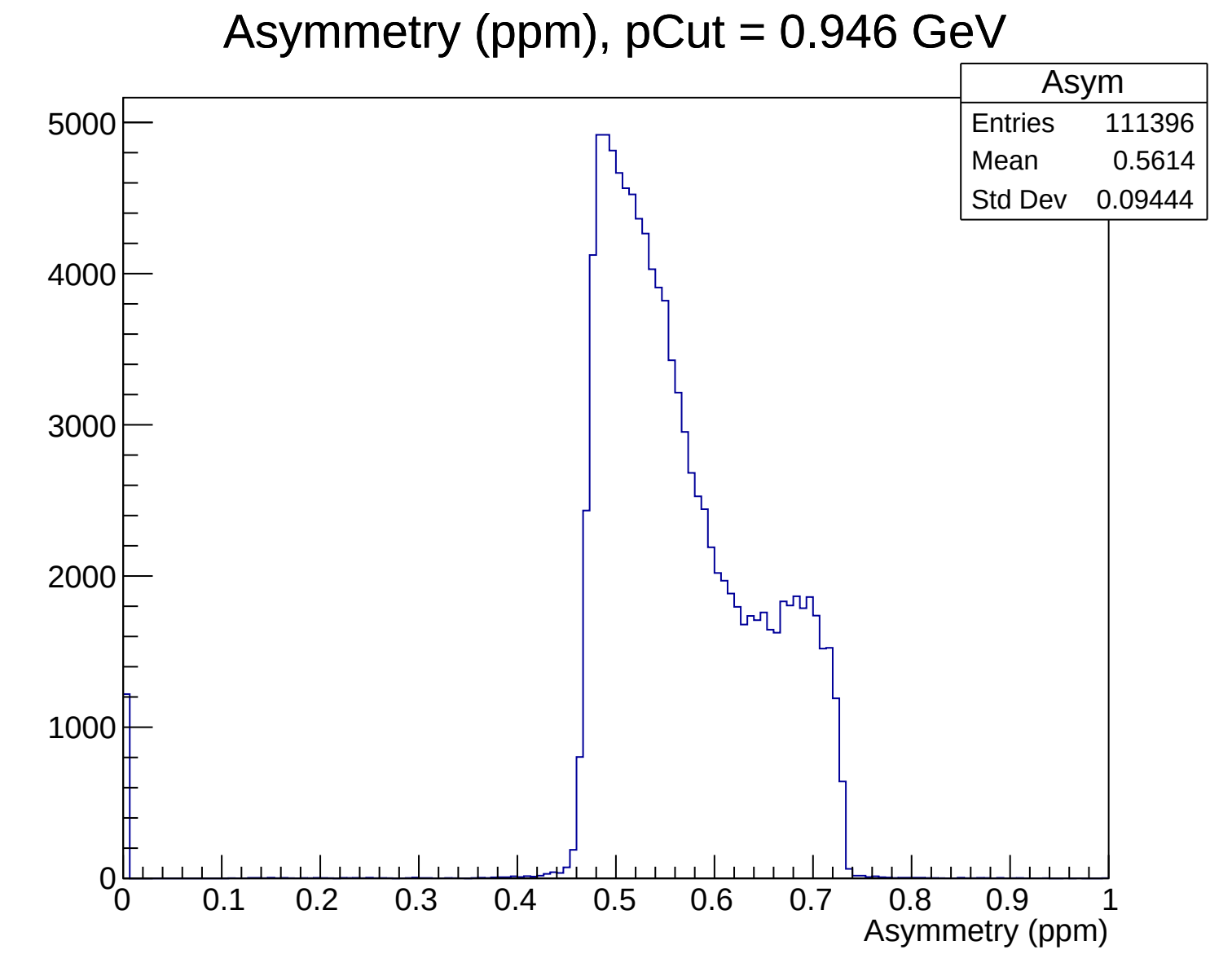

Q^2 (GeV/c)^2, pCut = 0.945 GeV
Q2
Entries 135333
Mean 0.006255
Std Dev 0.001329
7000
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

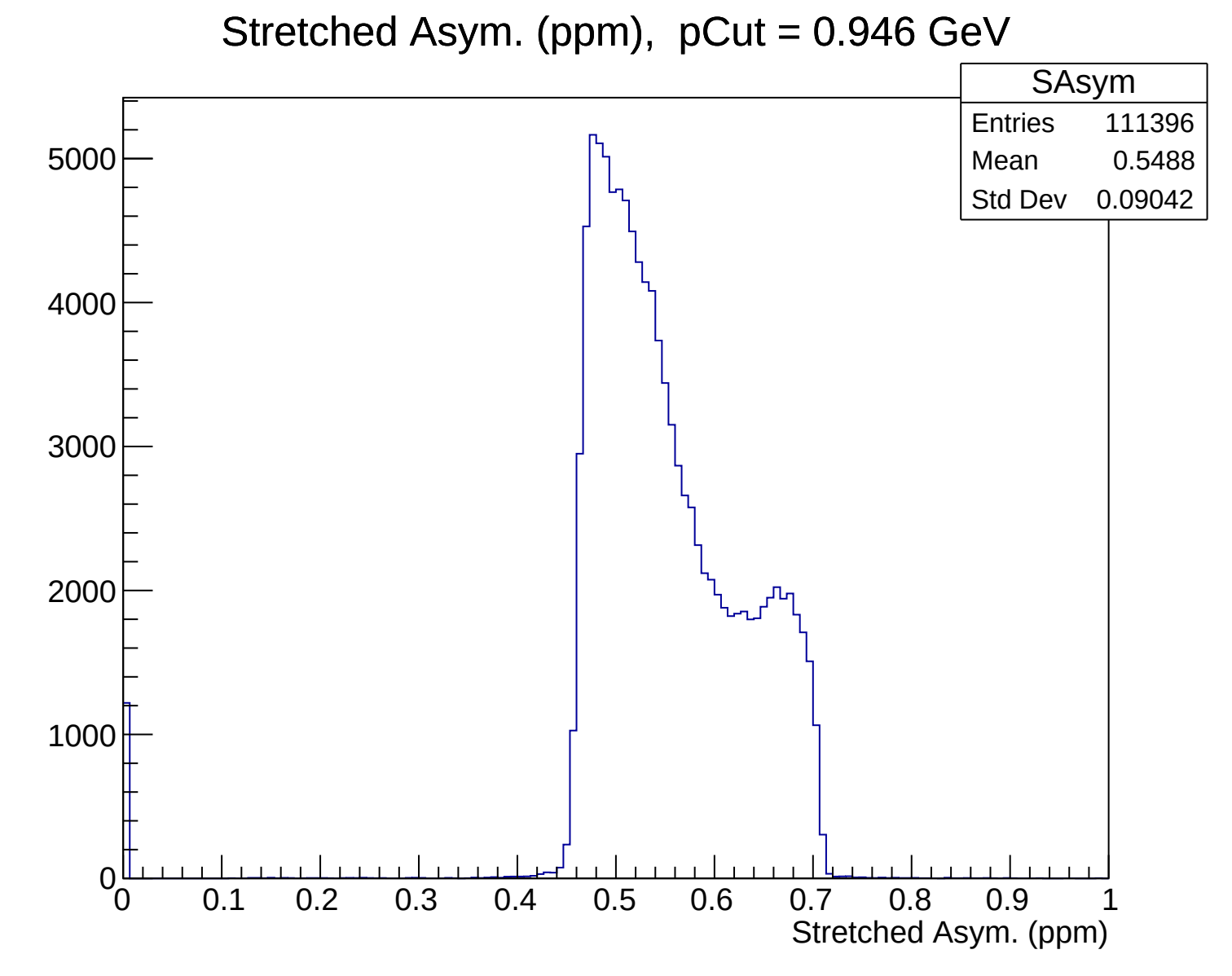

Sensitivity, pCut = 0.945 GeV
sens
Entries 135333
Mean 0.02197
Std Dev 0.004178
6000
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

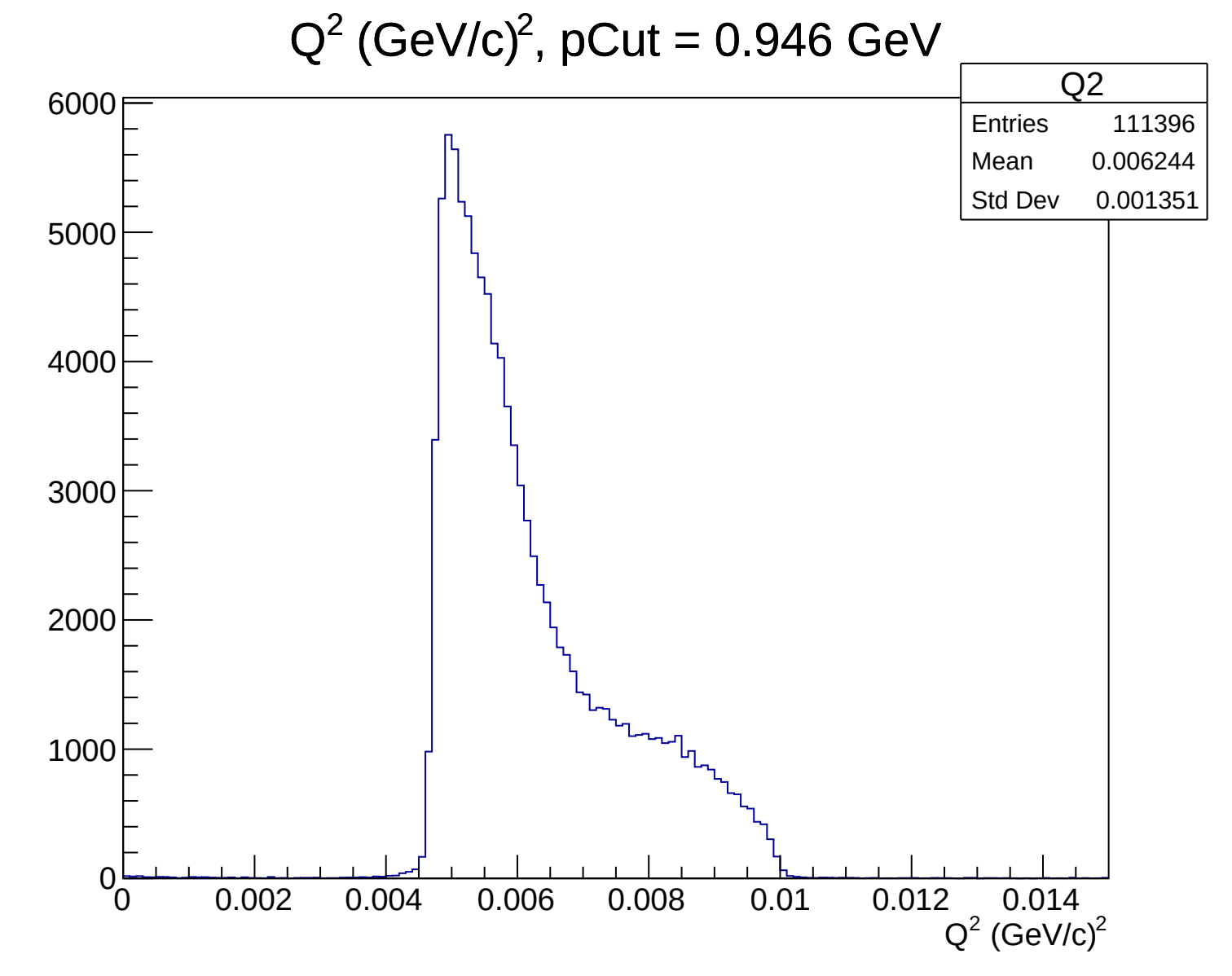

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

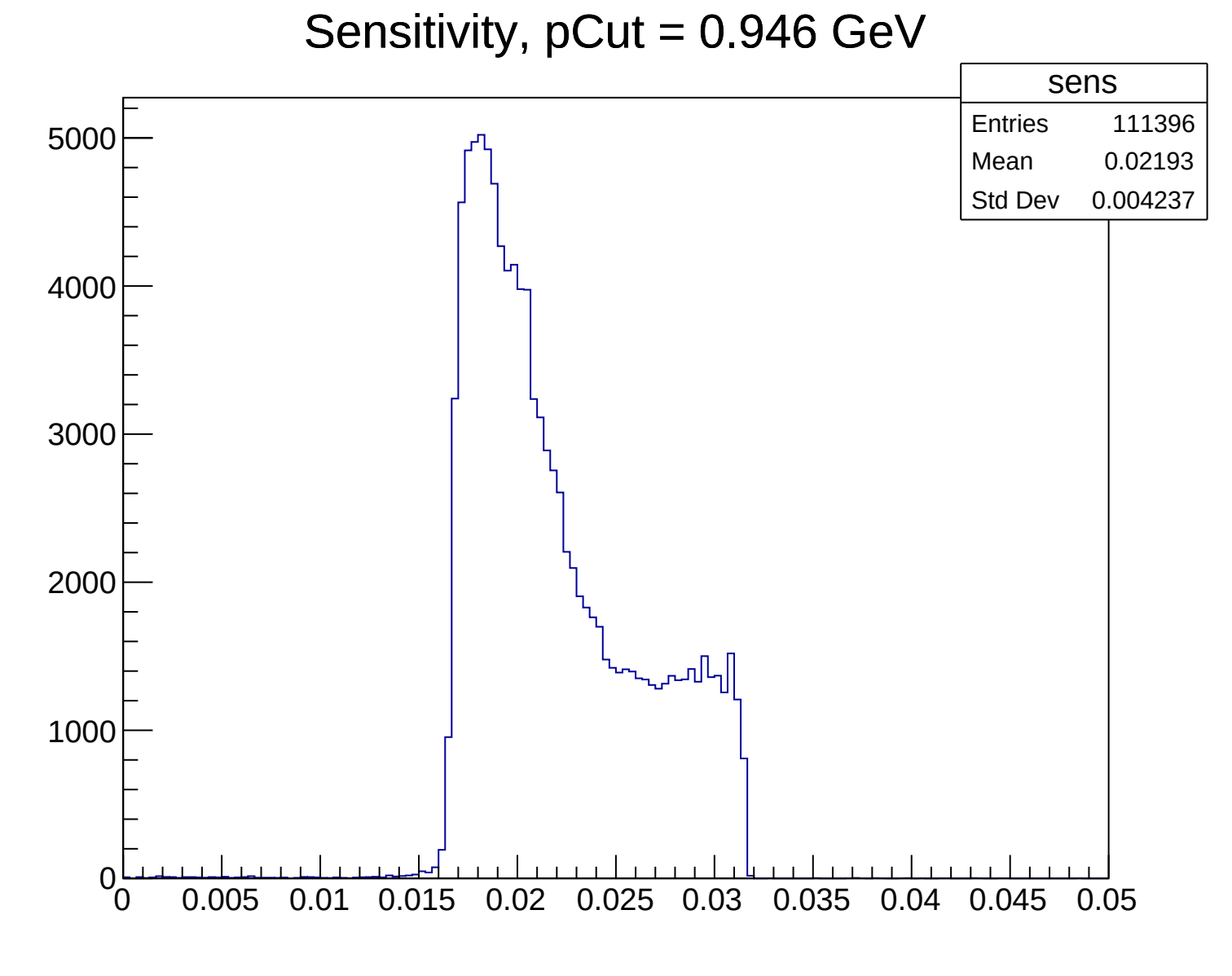

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9455 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)

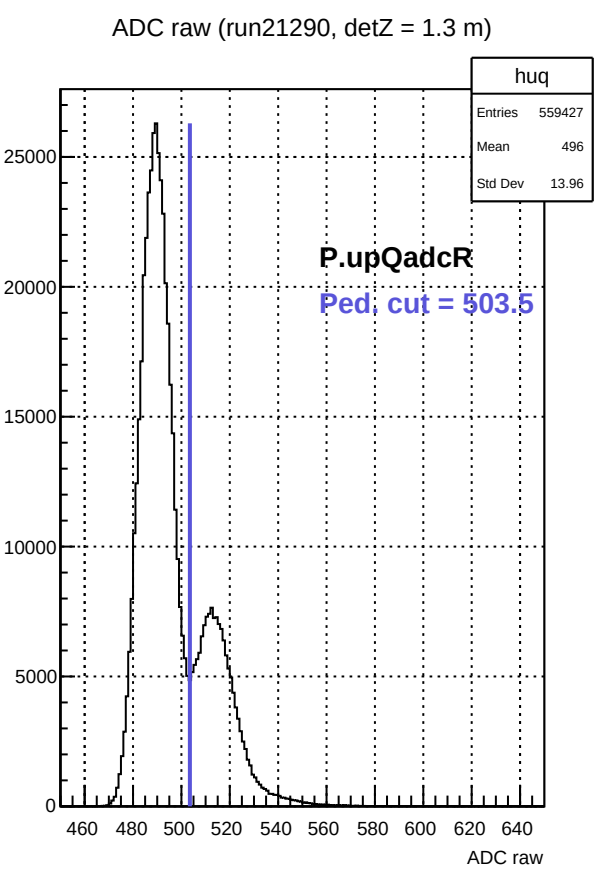

θlab (deg), pCut = 0.946 GeV
Theta
Entries 111396
Mean 4.752
Std Dev 0.4958
5000
4000
3000
2000
1000
0
2
3
4
5
6
7
8
θlab (deg)

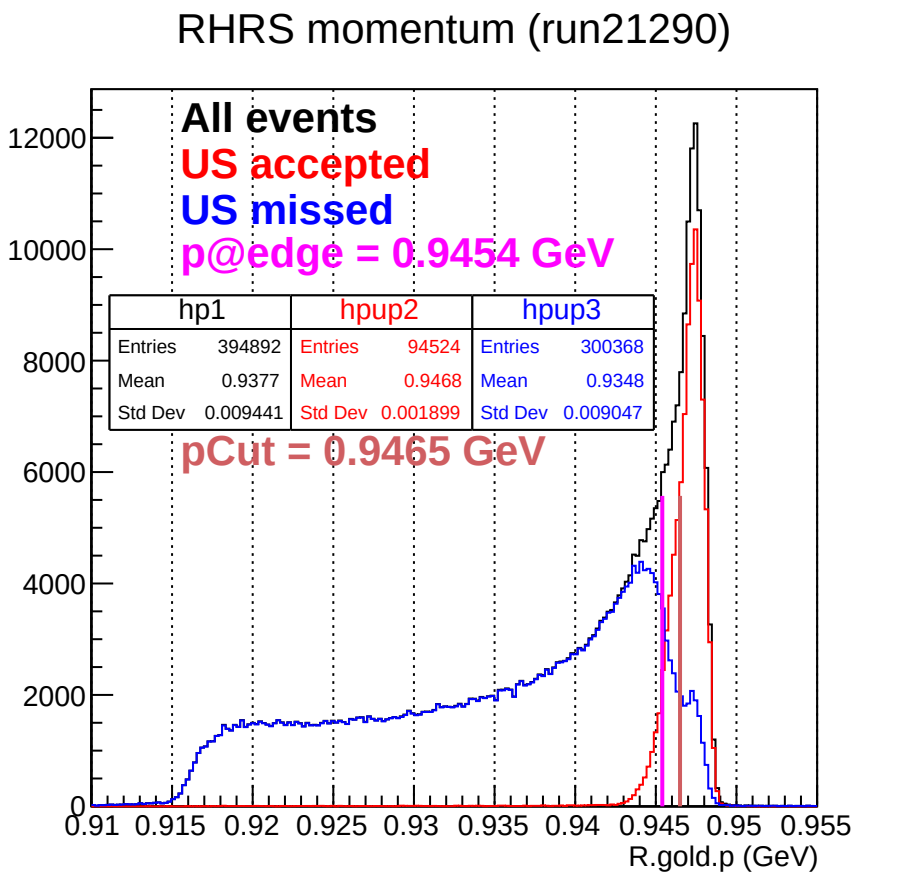

Asymmetry (ppm), pCut = 0.946 GeV
Asym
Entries 111396
Mean 0.5614
Std Dev 0.09444
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)

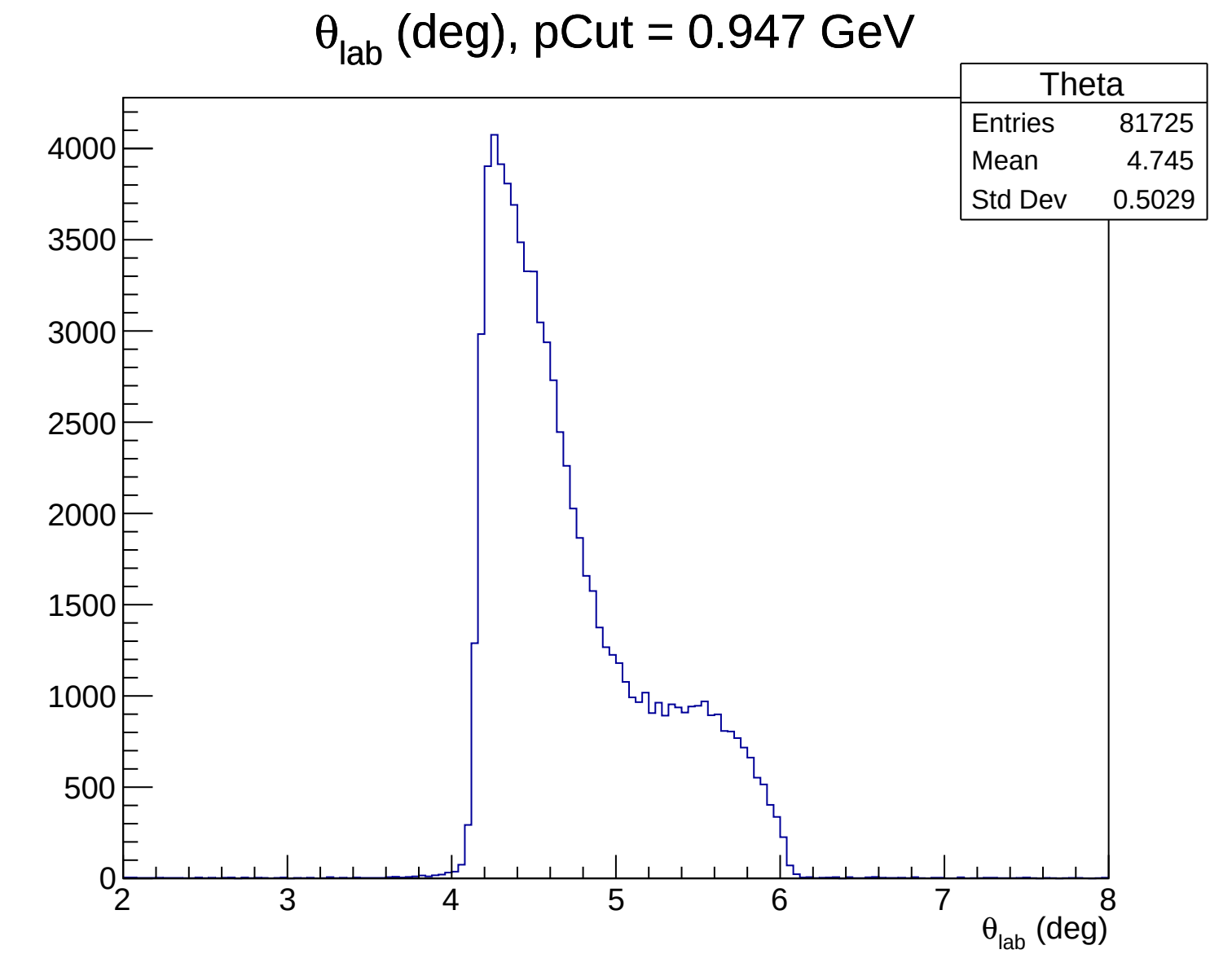

Stretched Asym. (ppm), pCut = 0.946 GeV
SAsym
Entries 111396
Mean 0.5488
Std Dev 0.09042
5000
4000
3000
2000
1000
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

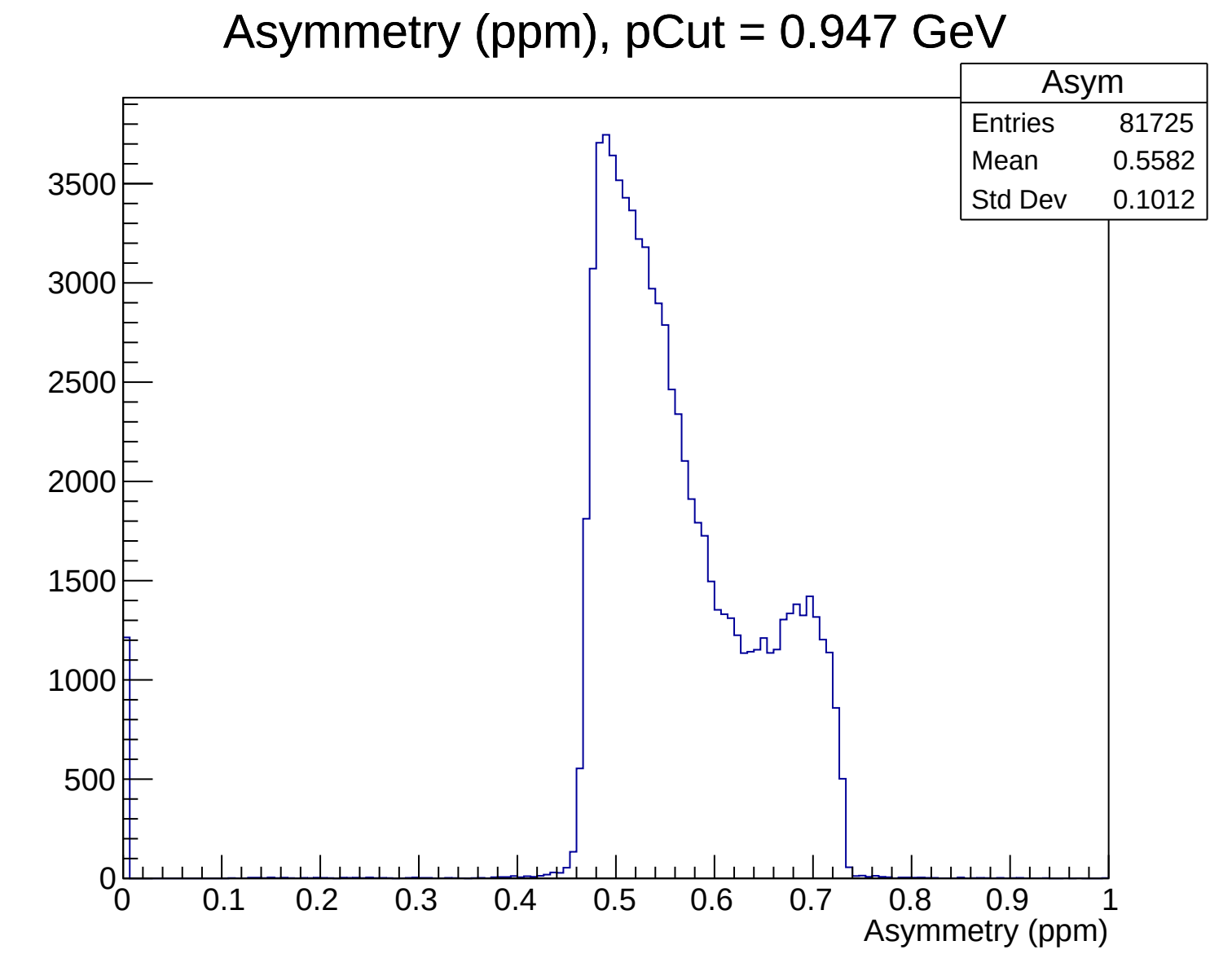

Q^2 (GeV/c)^2, pCut = 0.946 GeV
Q2
Entries 111396
Mean 0.006244
Std Dev 0.001351
6000
5000
4000
3000
2000
1000
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

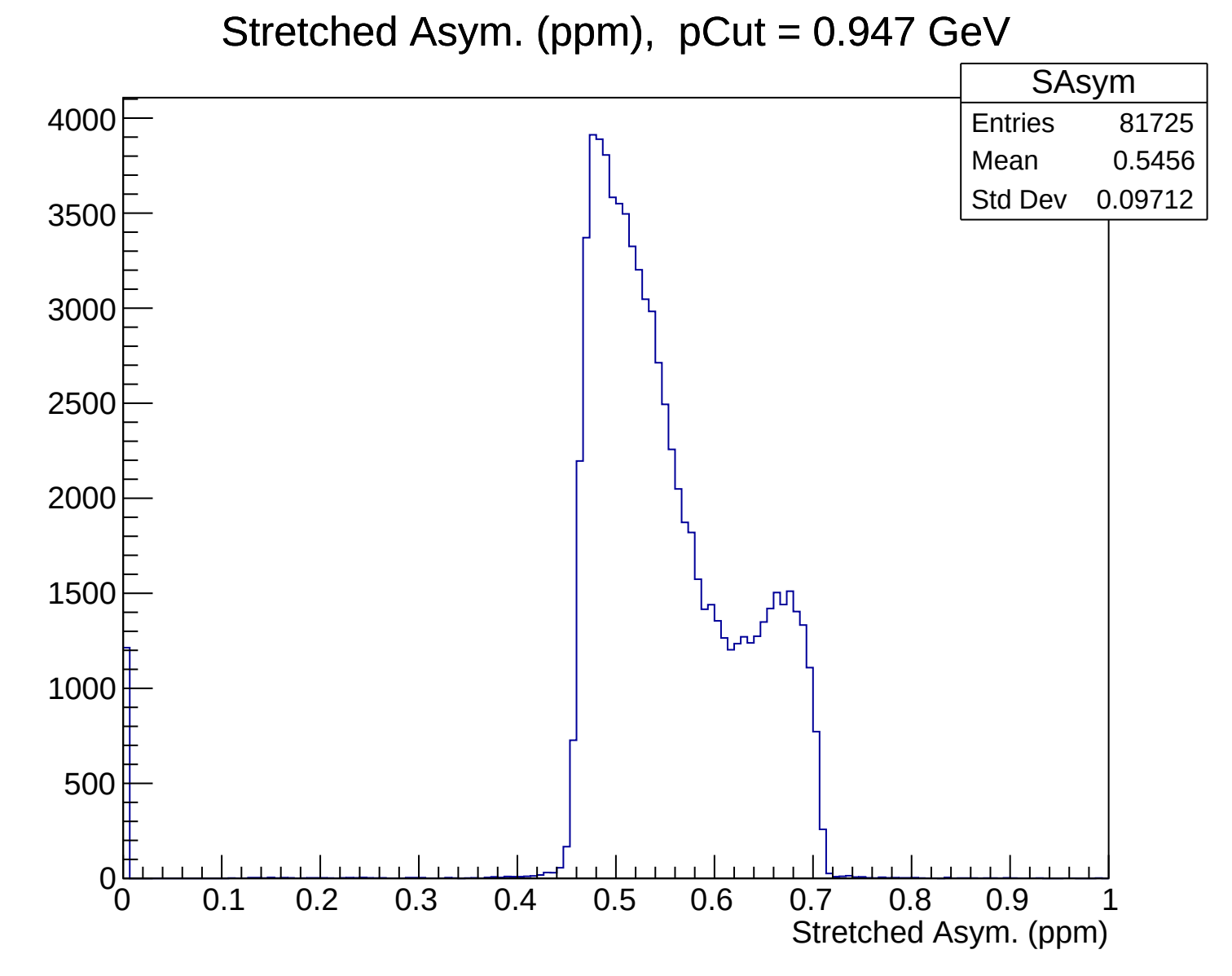

Sensitivity, pCut = 0.946 GeV
sens
Entries 111396
Mean 0.02193
Std Dev 0.004237
5000
4000
3000
2000
1000
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

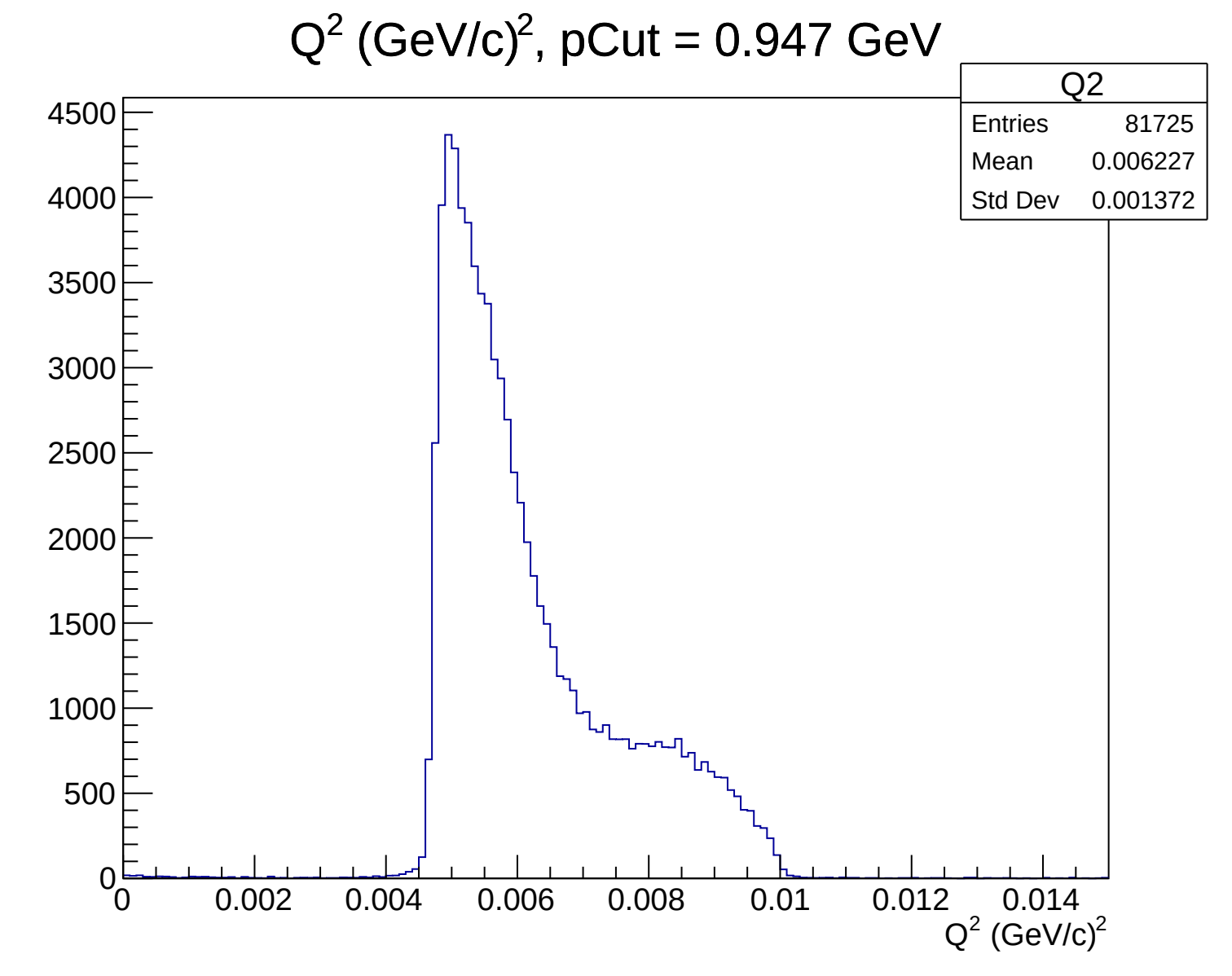

ADC raw (run21290, detZ = 1.3 m)
huq
Entries 559427
Mean 496
Std Dev 13.96
P.upQadcR
Ped. cut = 503.5
25000
20000
15000
10000
5000
0
460 480 500 520 540 560 580 600 620 640
ADC raw

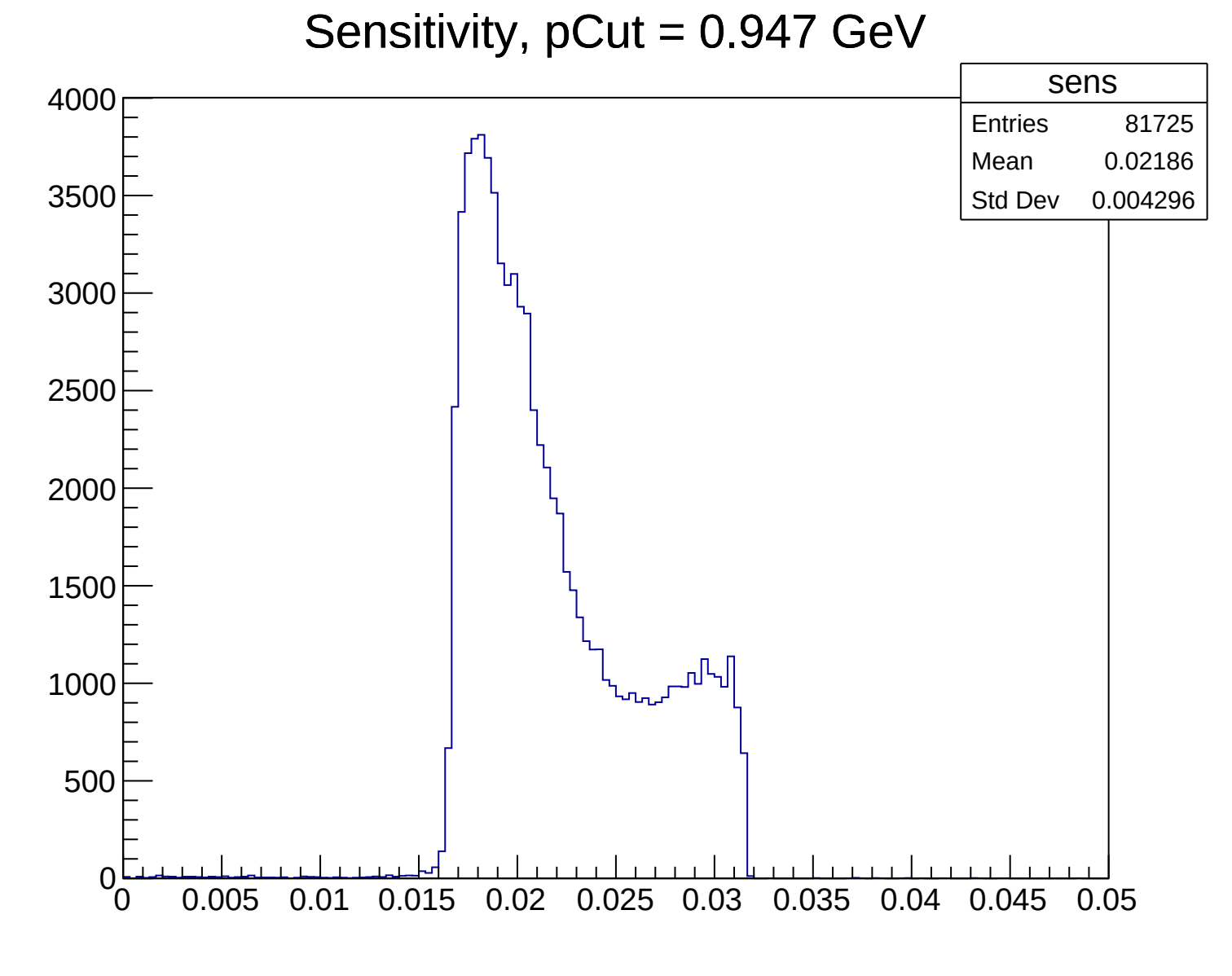

RHRS momentum (run21290)
All events
US accepted
US missed
p@edge = 0.9454 GeV
hp1
Entries 394892
Mean 0.9377
Std Dev 0.009441
hpup2
Entries 94524
Mean 0.9468
Std Dev 0.001899
hpup3
Entries 300368
Mean 0.9348
Std Dev 0.009047
pCut = 0.9465 GeV
12000
10000
8000
6000
4000
2000
0
0.91 0.915 0.92 0.925 0.93 0.935 0.94 0.945 0.95 0.955
R.gold.p (GeV)


θlab (deg), pCut = 0.947 GeV
Theta
Entries 81725
Mean 4.745
Std Dev 0.5029
4000
3500
3000
2500
2000
1500
1000
500
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), pCut = 0.947 GeV
Asym
Entries 81725
Mean 0.5582
Std Dev 0.1012
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.947 GeV
SAsym
Entries 81725
Mean 0.5456
Std Dev 0.09712
4000
3500
3000
2500
2000
1500
1000
500
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)


Q^2 (GeV/c)^2, pCut = 0.947 GeV
Q2
Entries 81725
Mean 0.006227
Std Dev 0.001372
4500
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, pCut = 0.947 GeV
sens
Entries 81725
Mean 0.02186
Std Dev 0.004296
4000
3500
3000
2500
2000
1500
1000
500
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05