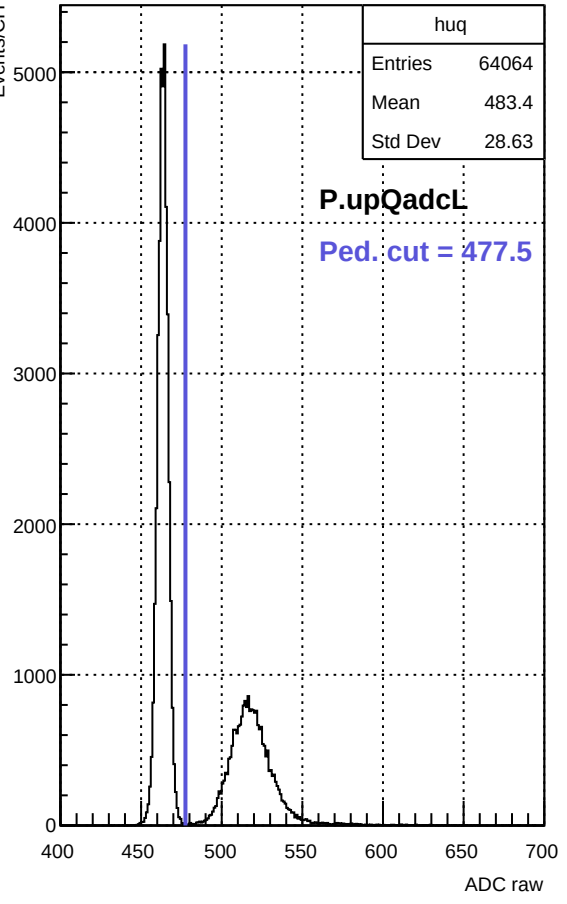
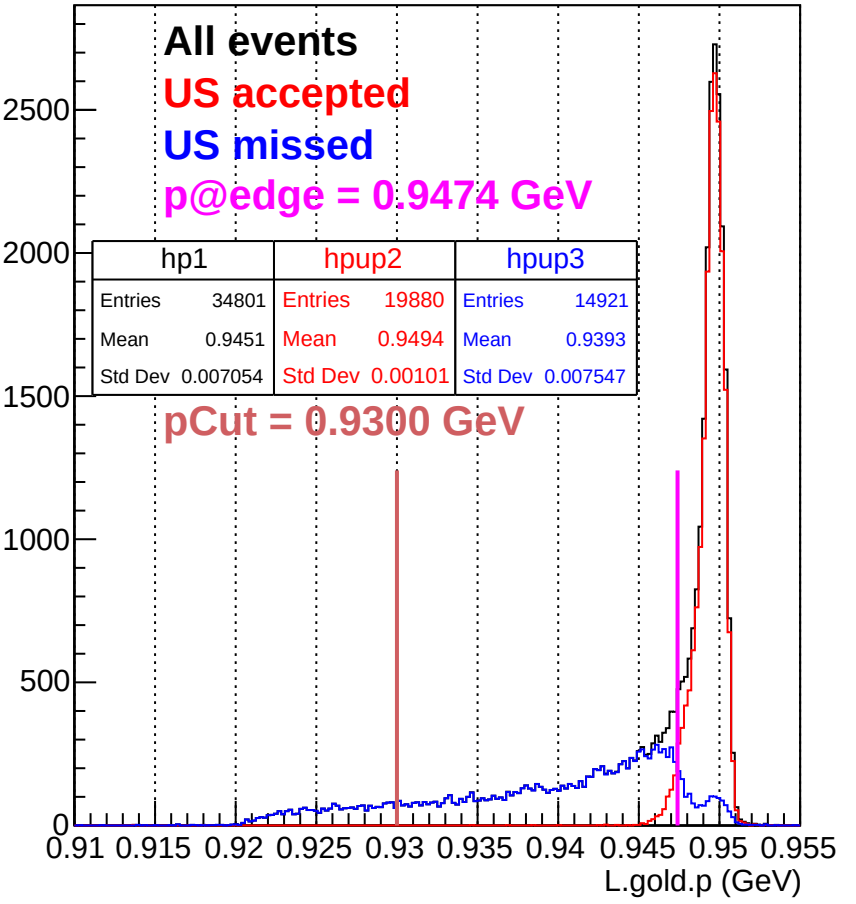
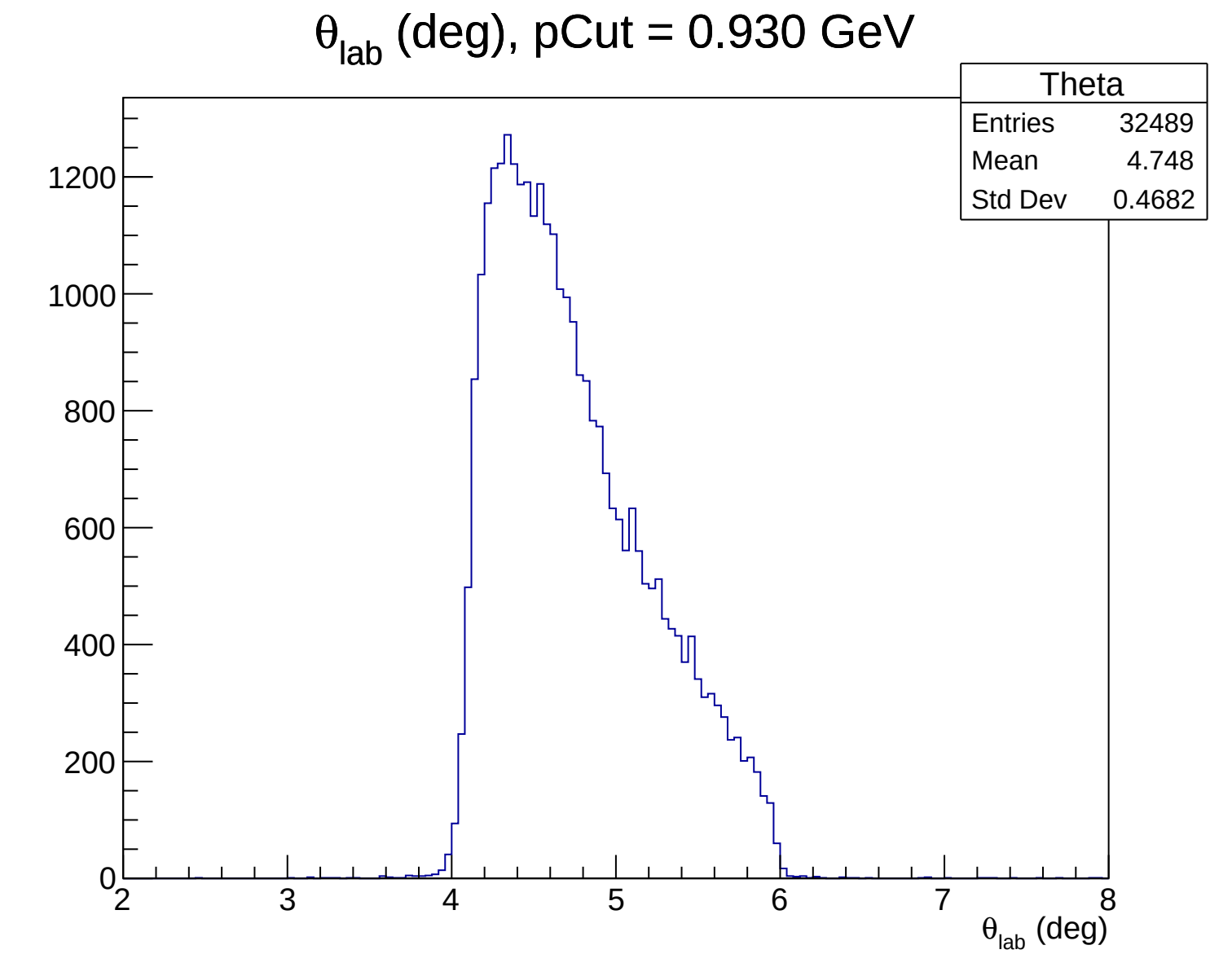
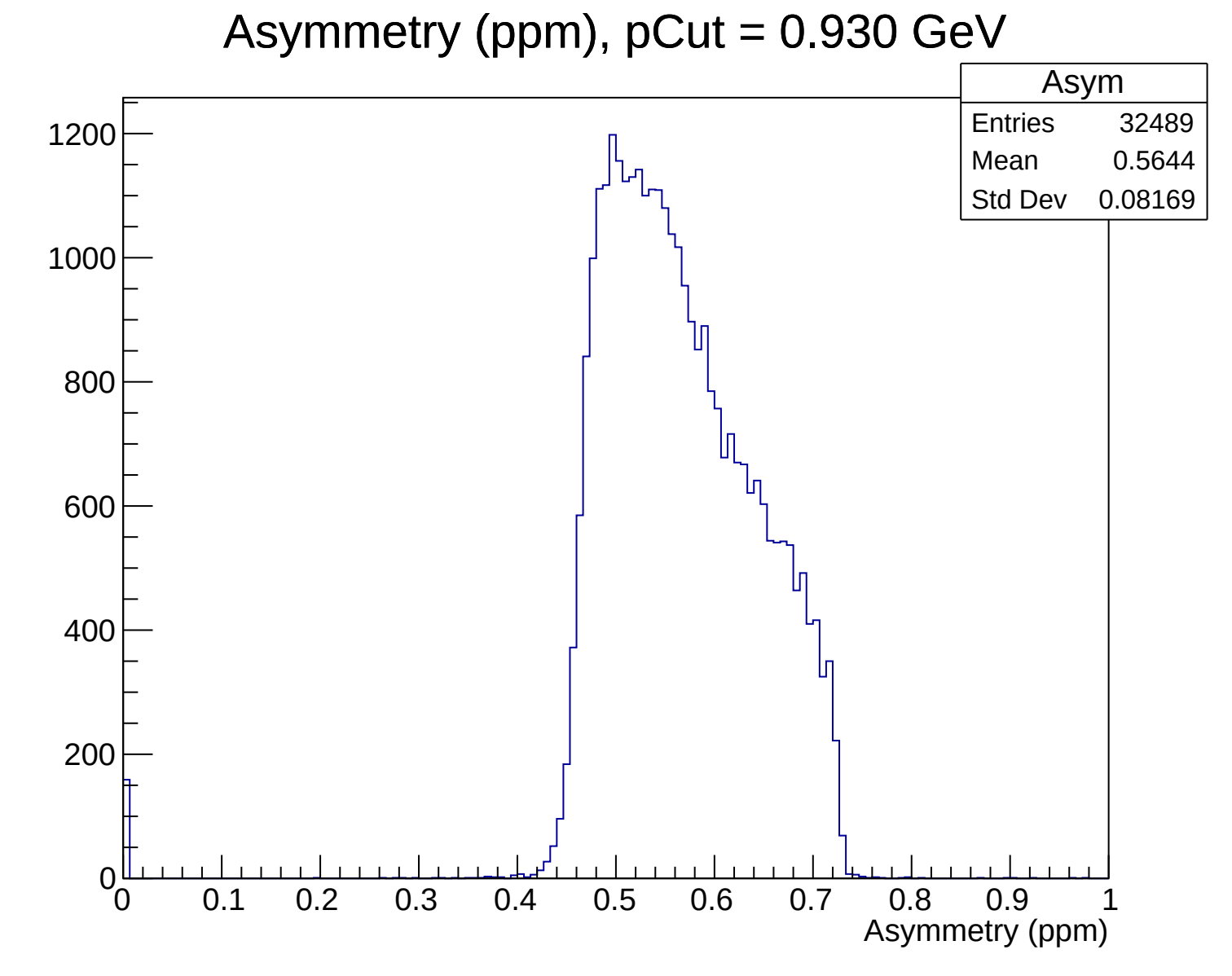
ADC raw (run2316, detZ = 1.3 m)

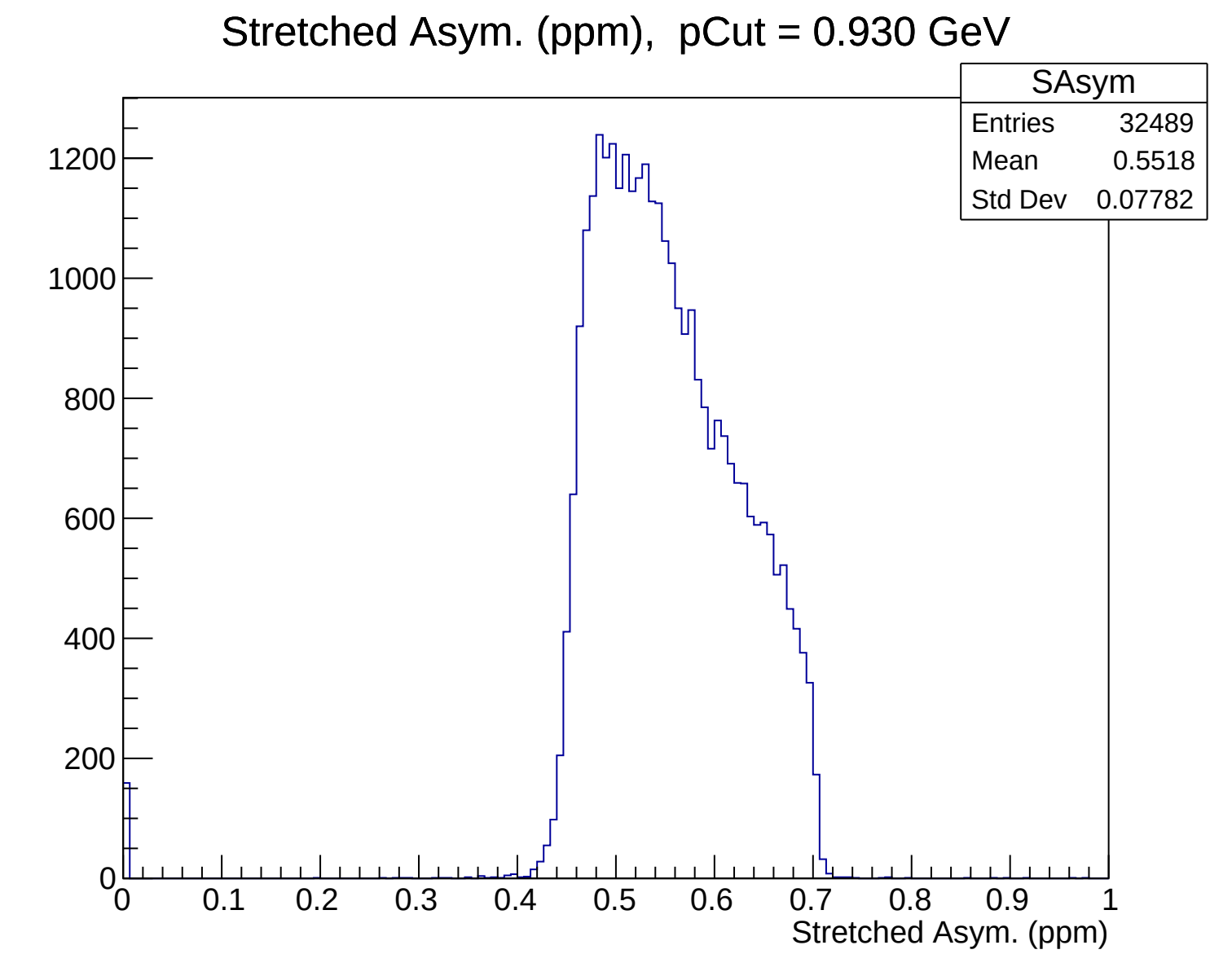


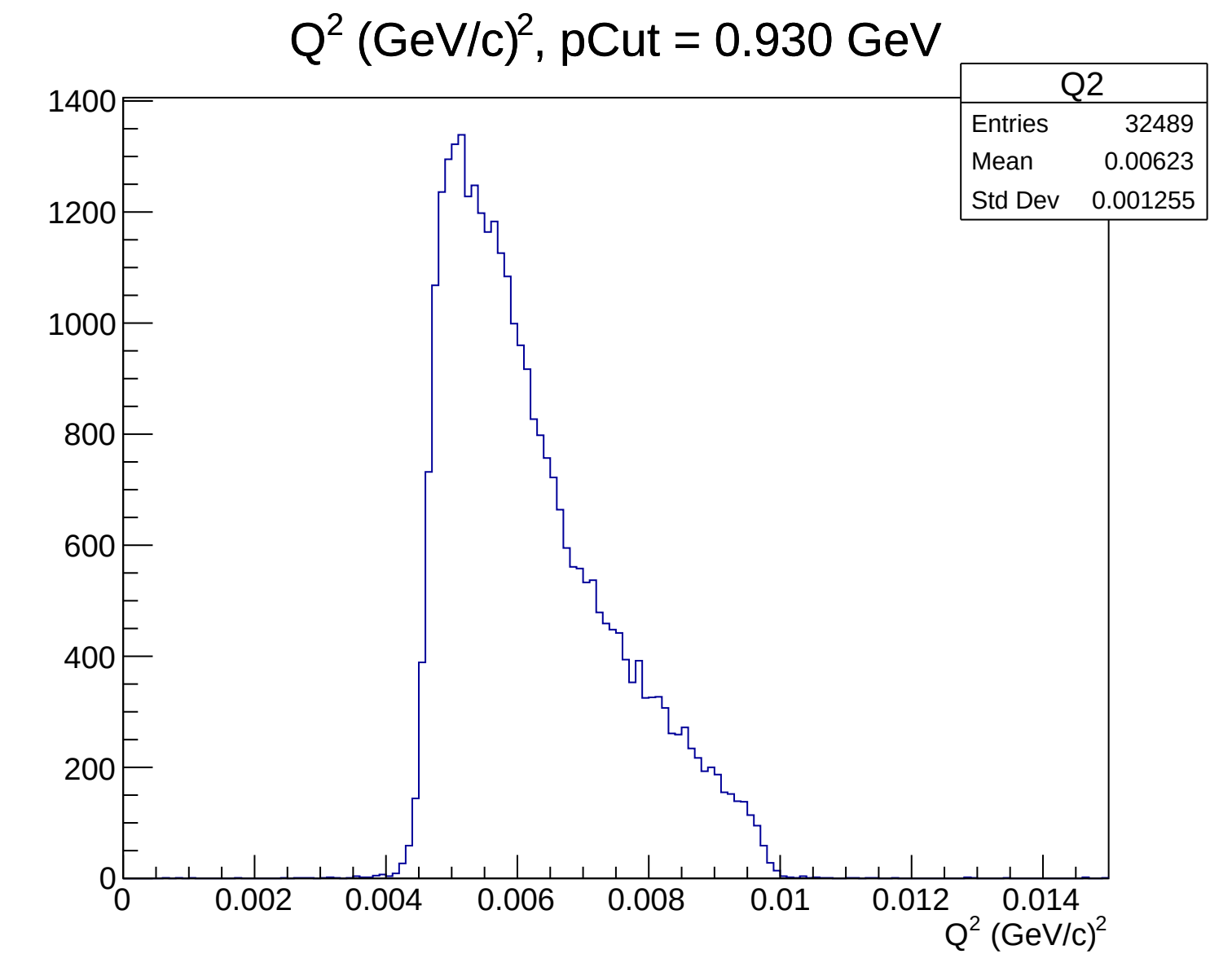
LHRS momentum run2316

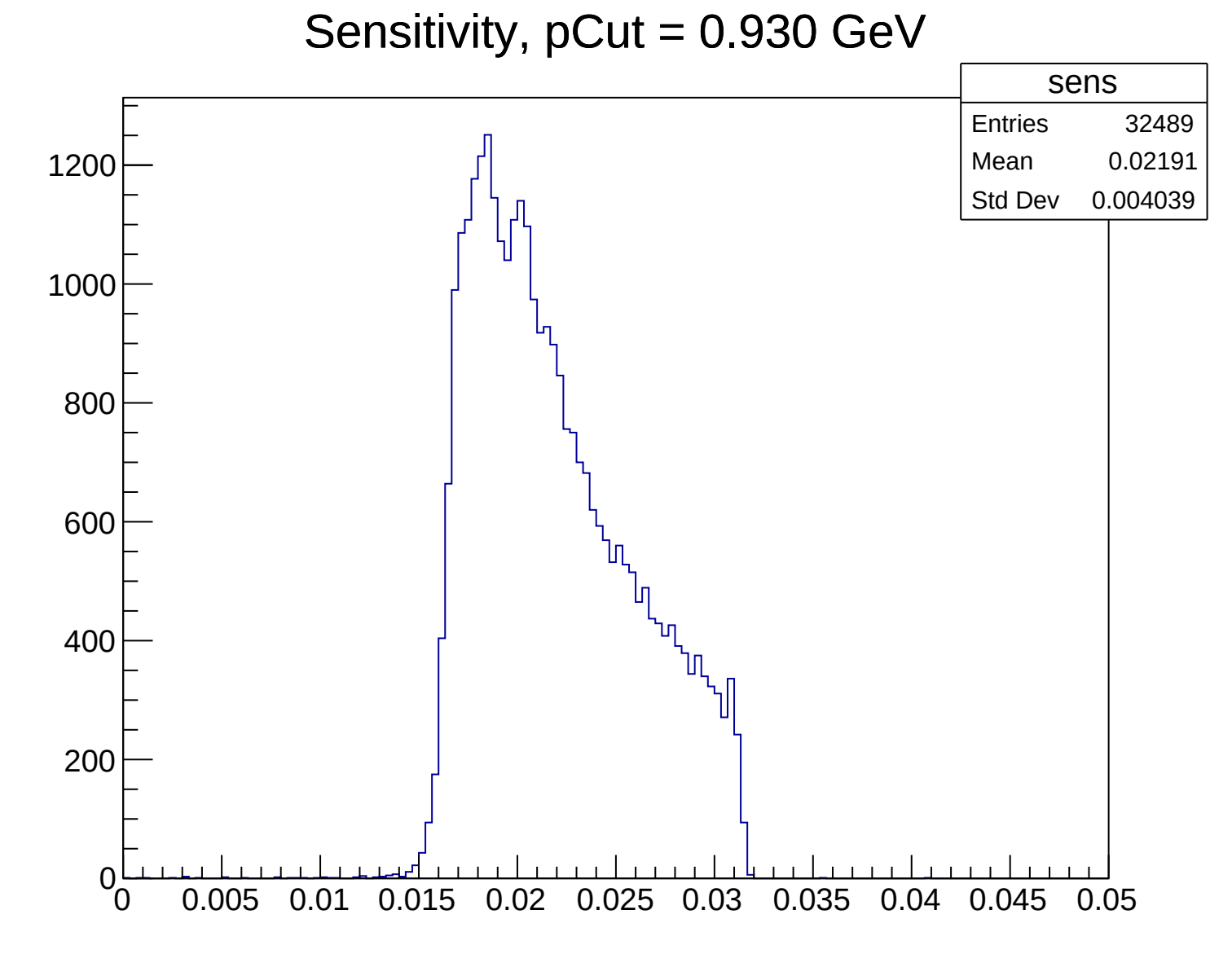



θlab (deg), pCut = 0.930 GeV
Theta
Entries 32489
Mean 4.748
Std Dev 0.4682
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

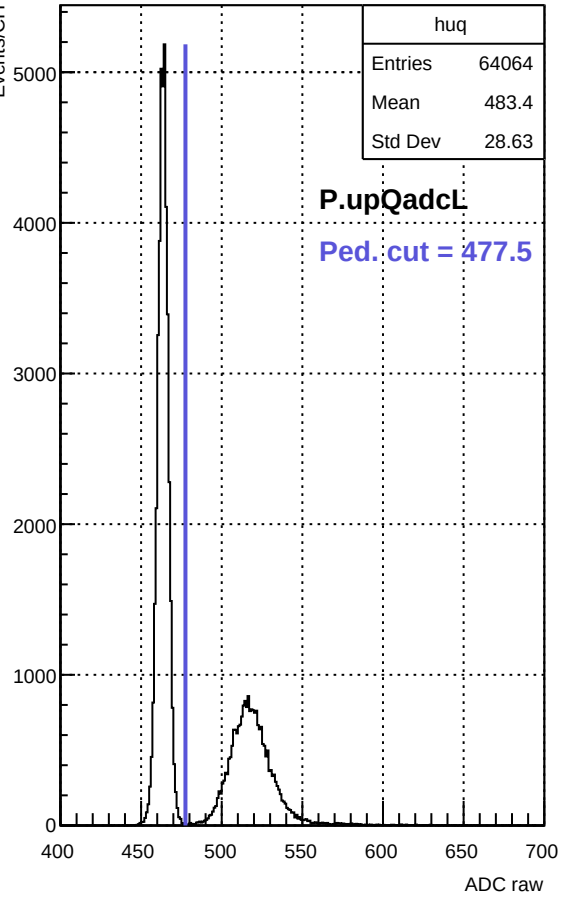

Asymmetry (ppm), pCut = 0.930 GeV
Asym
Entries 32489
Mean 0.5644
Std Dev 0.08169
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.930 GeV
SAsym
Entries 32489
Mean 0.5518
Std Dev 0.07782
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

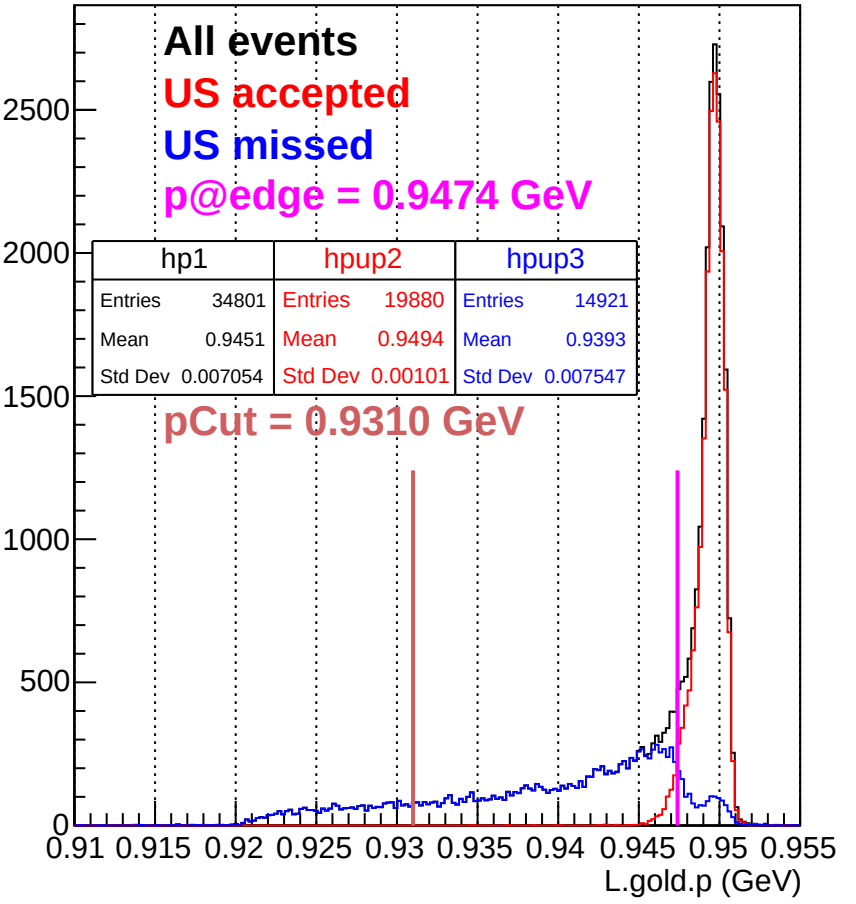

Q^2 (GeV/c)^2, pCut = 0.930 GeV
Q2
Entries 32489
Mean 0.00623
Std Dev 0.001255
1400
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

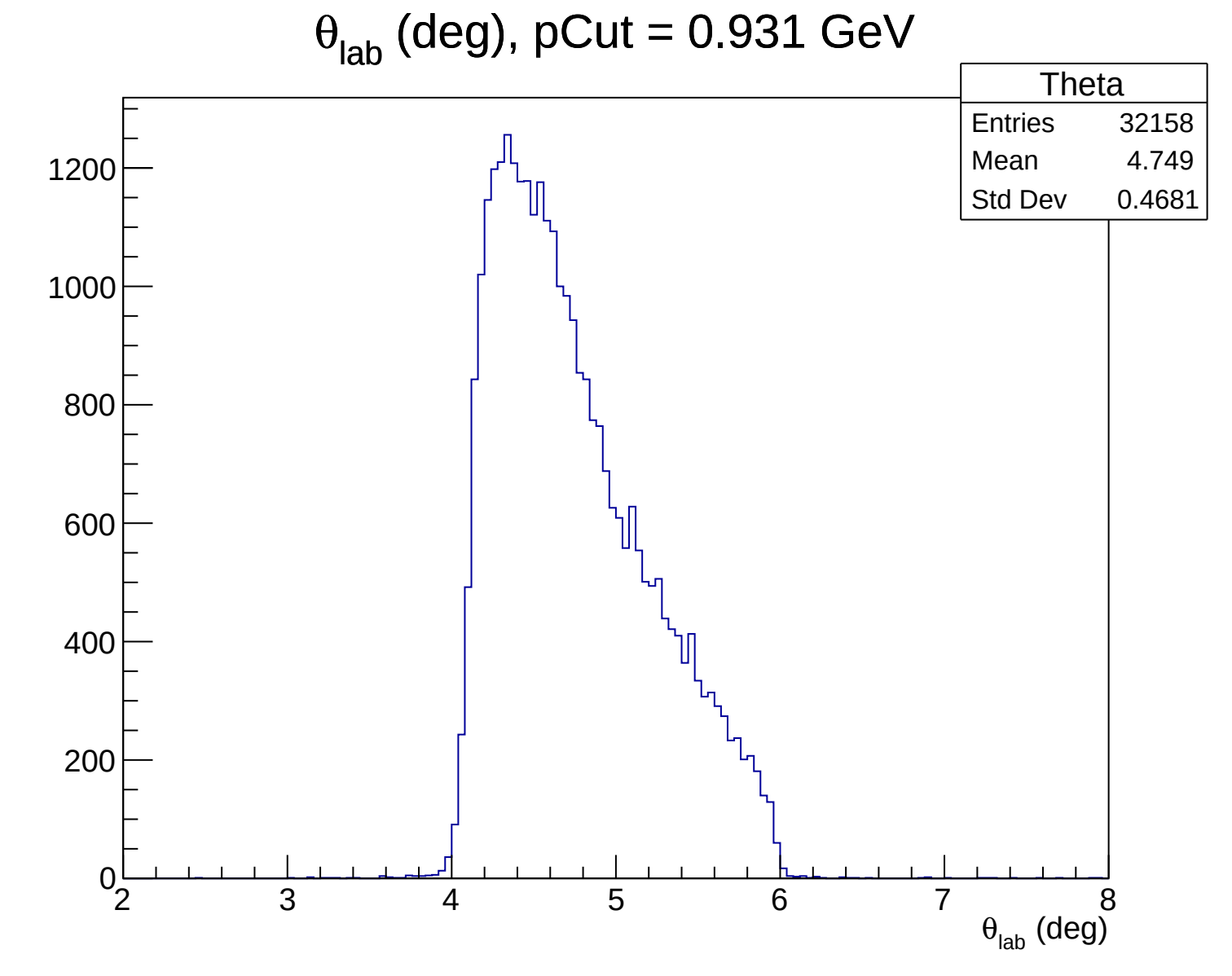

Sensitivity, pCut = 0.930 GeV
sens
Entries 32489
Mean 0.02191
Std Dev 0.004039
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

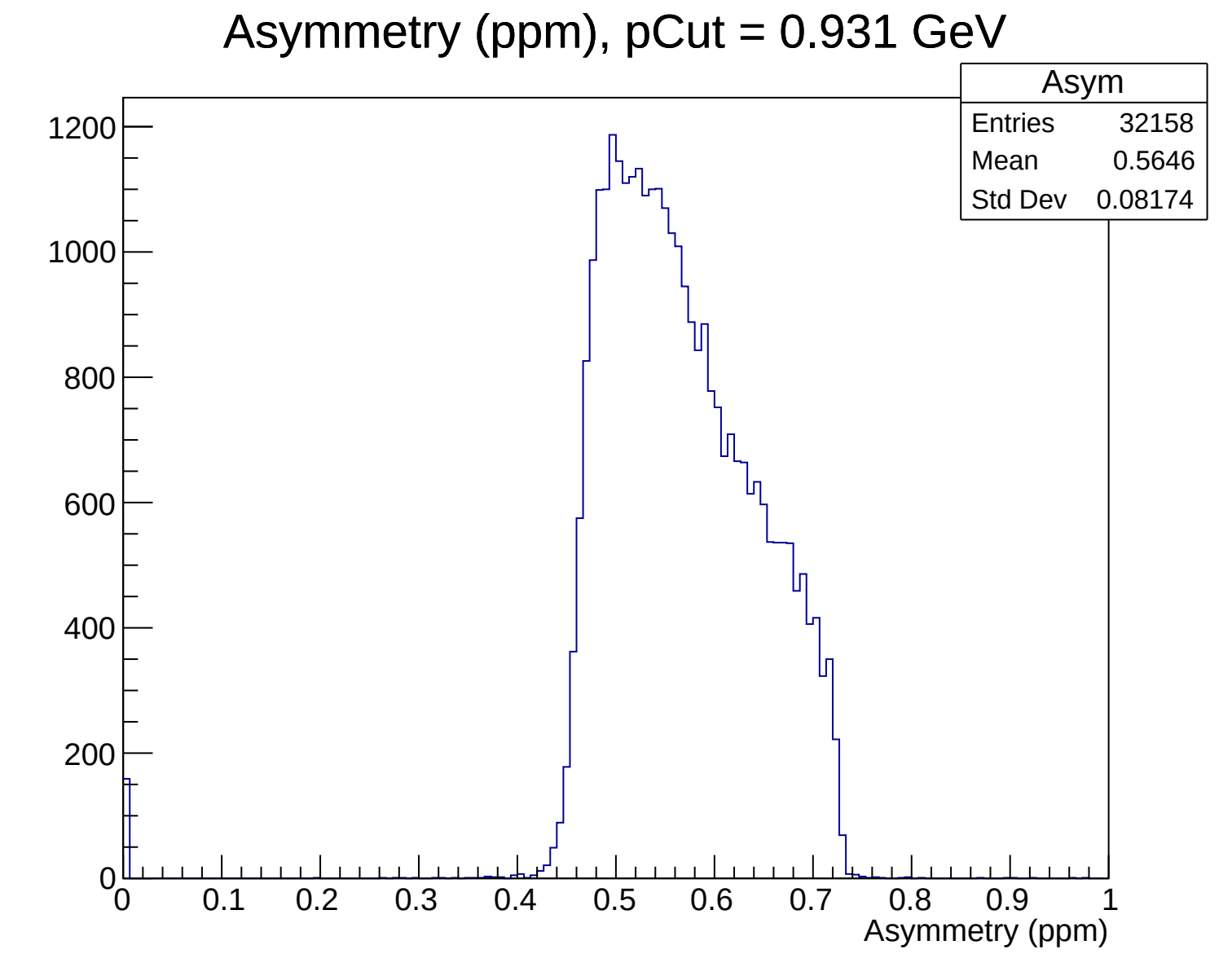
ADC raw (run2316, detZ = 1.3 m)

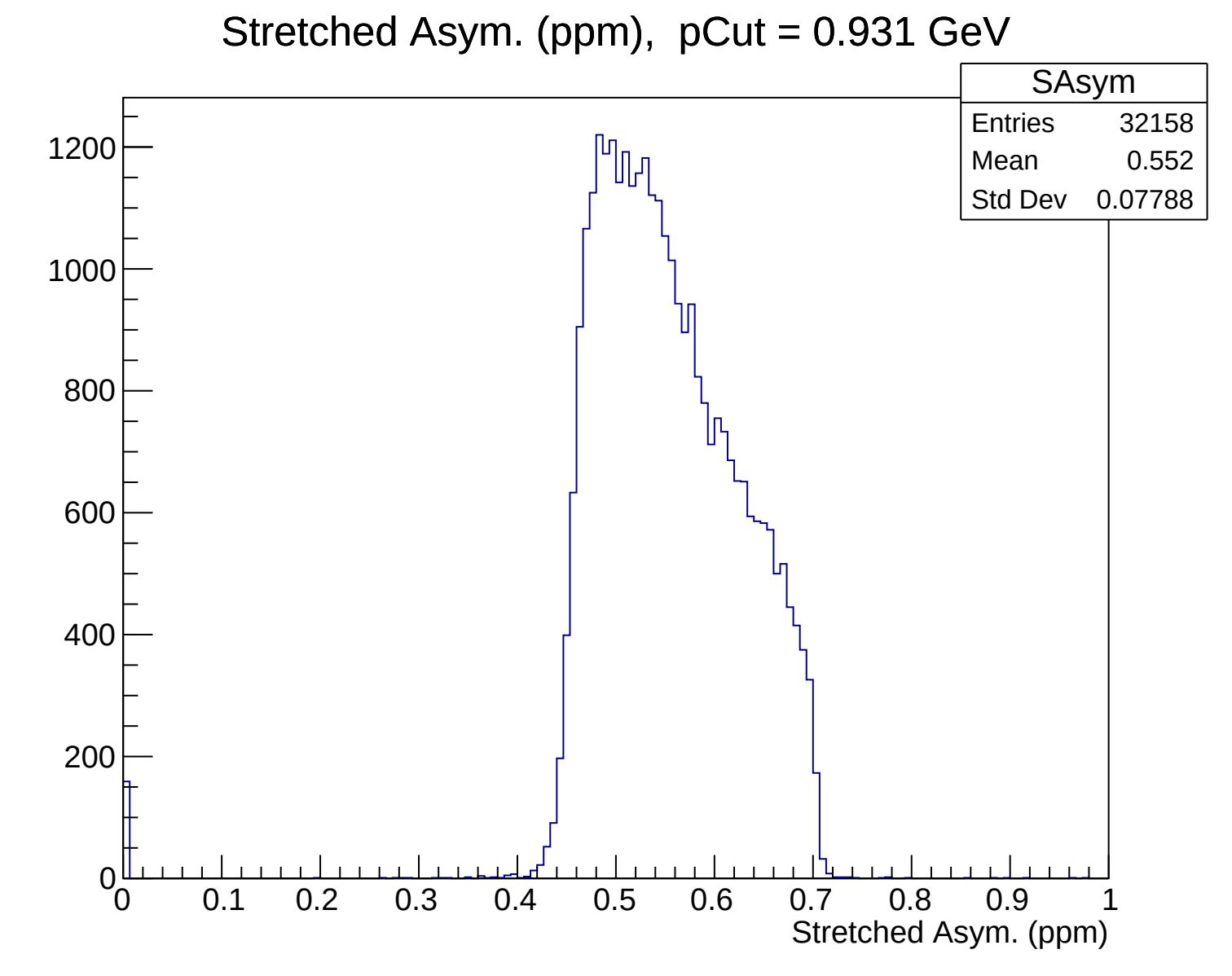


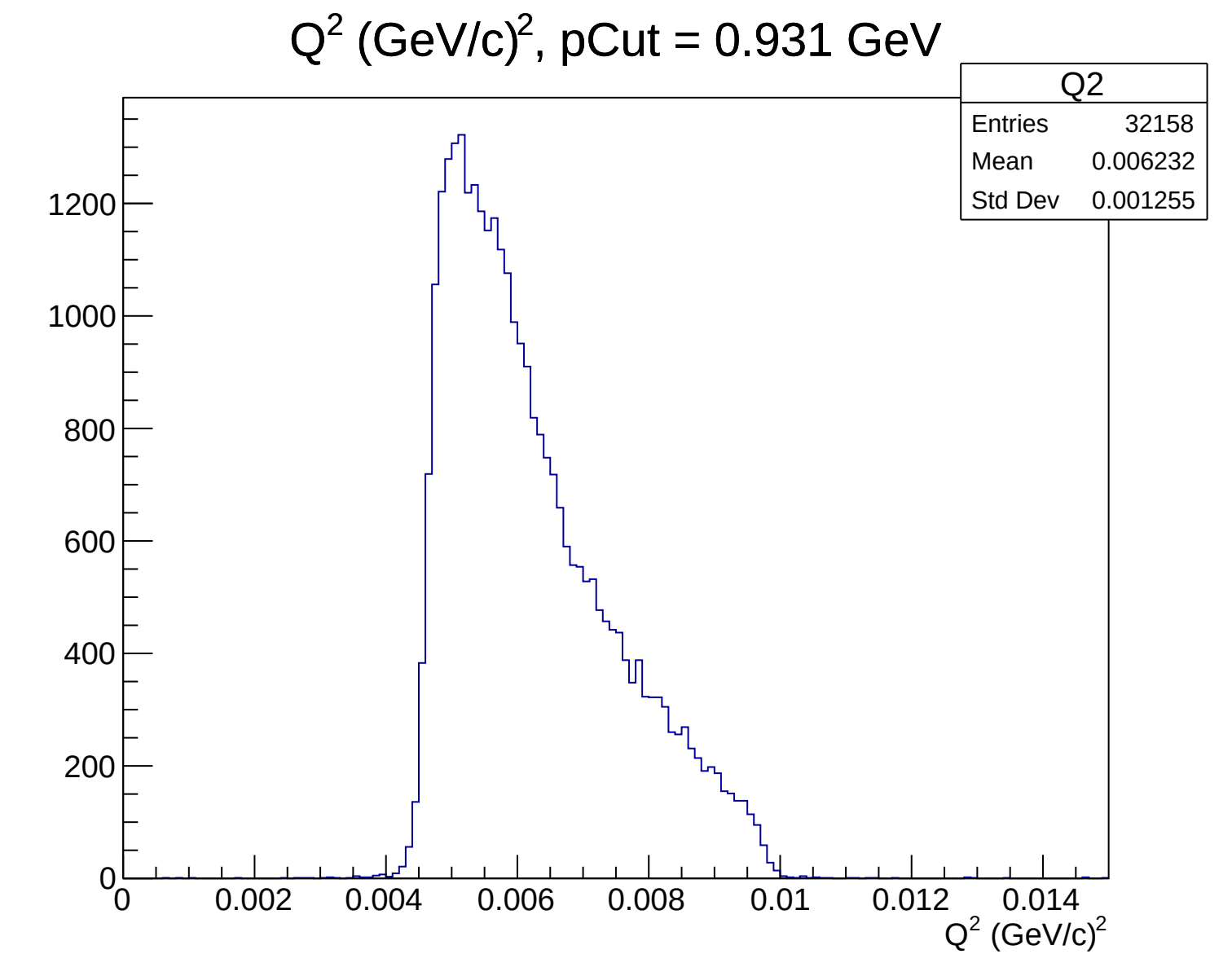
LHRS momentum run2316

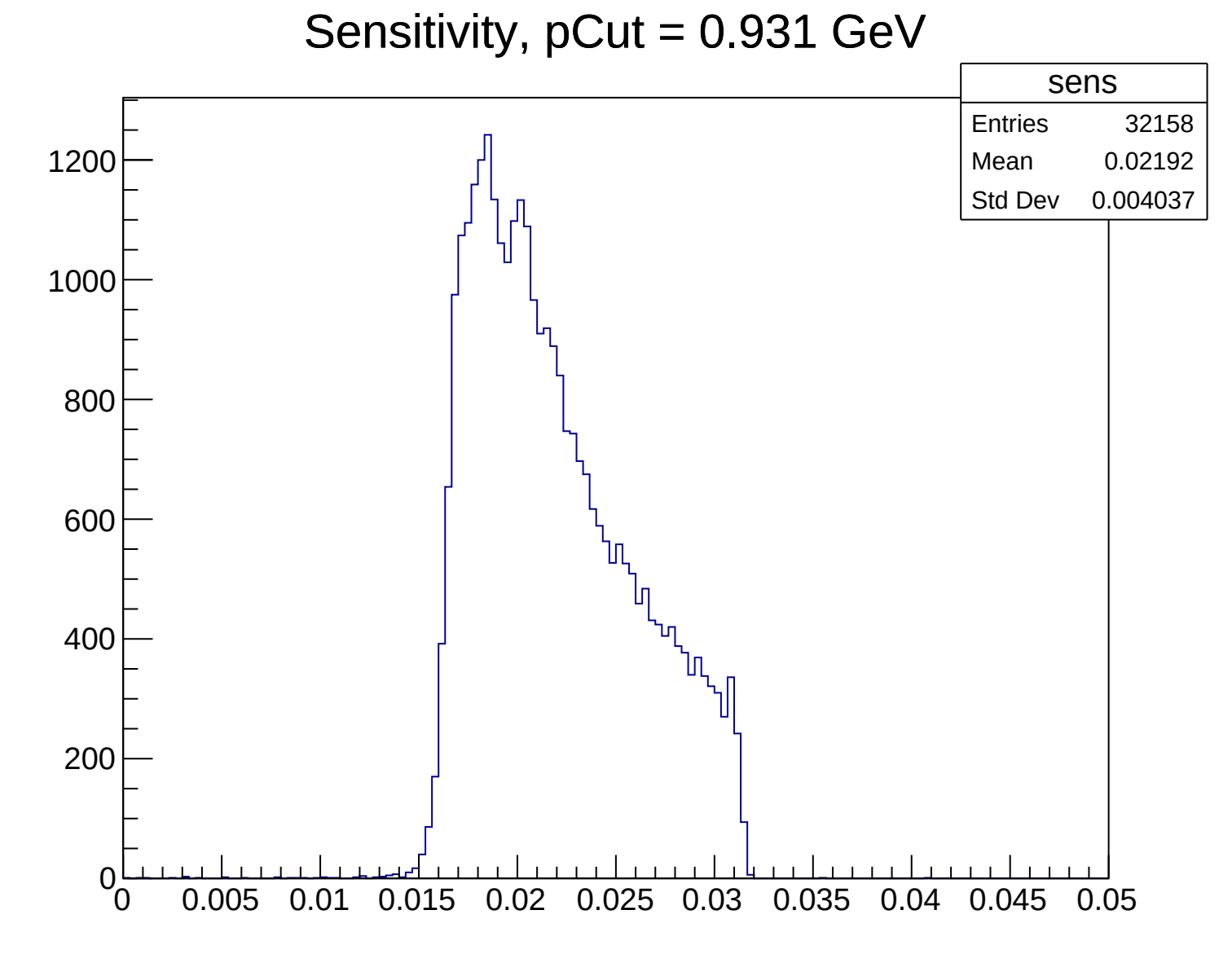



θlab (deg), pCut = 0.931 GeV
Theta
Entries 32158
Mean 4.749
Std Dev 0.4681
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

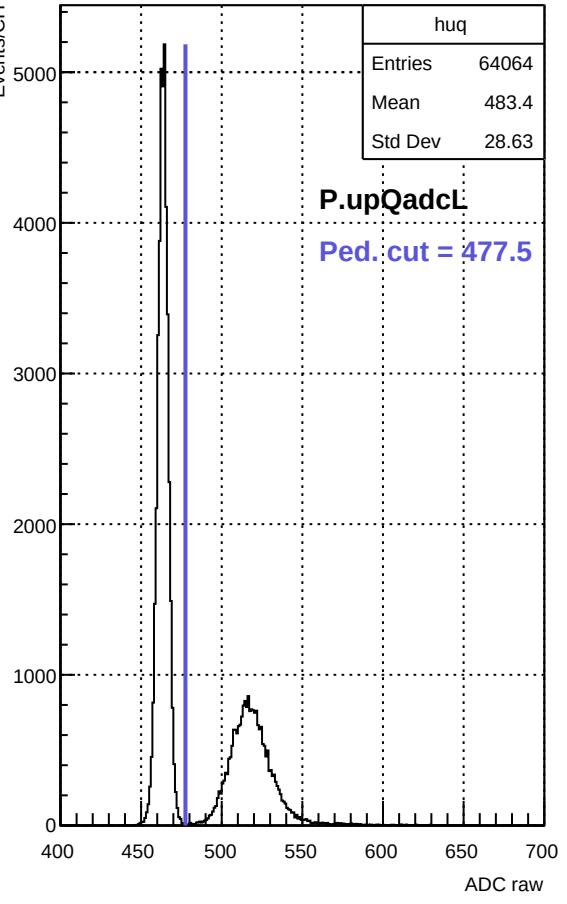

Asymmetry (ppm), pCut = 0.931 GeV
Asym
Entries 32158
Mean 0.5646
Std Dev 0.08174
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.931 GeV
SAsym
Entries 32158
Mean 0.552
Std Dev 0.07788
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

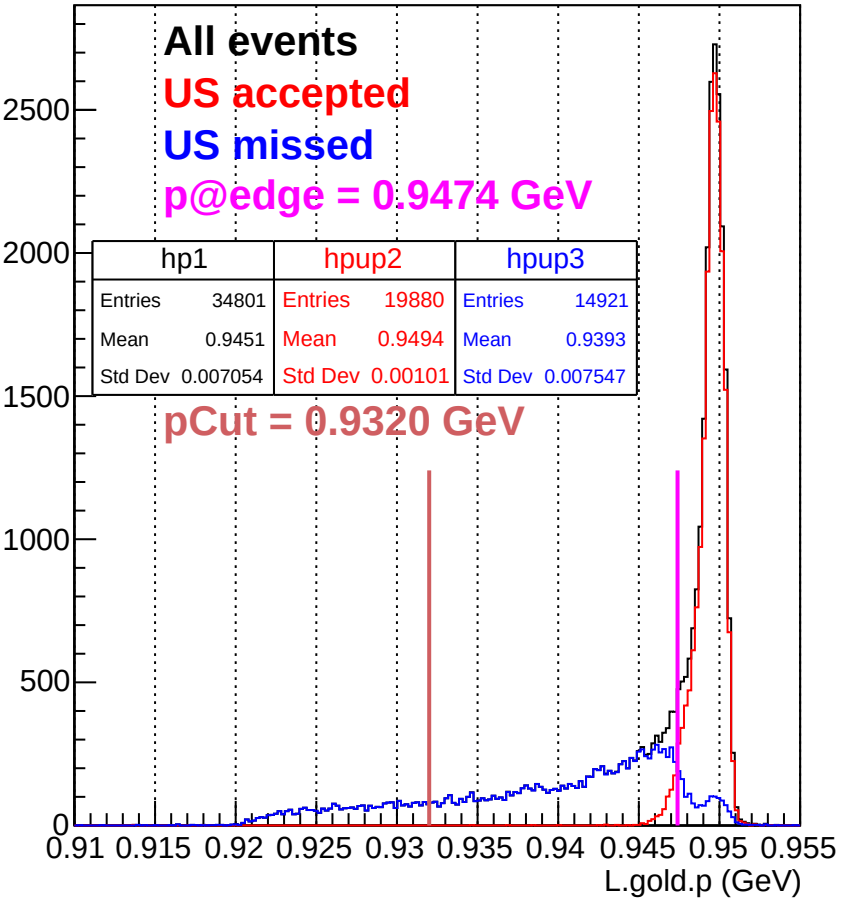

Q^2 (GeV/c)^2, pCut = 0.931 GeV
Q2
Entries 32158
Mean 0.006232
Std Dev 0.001255
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

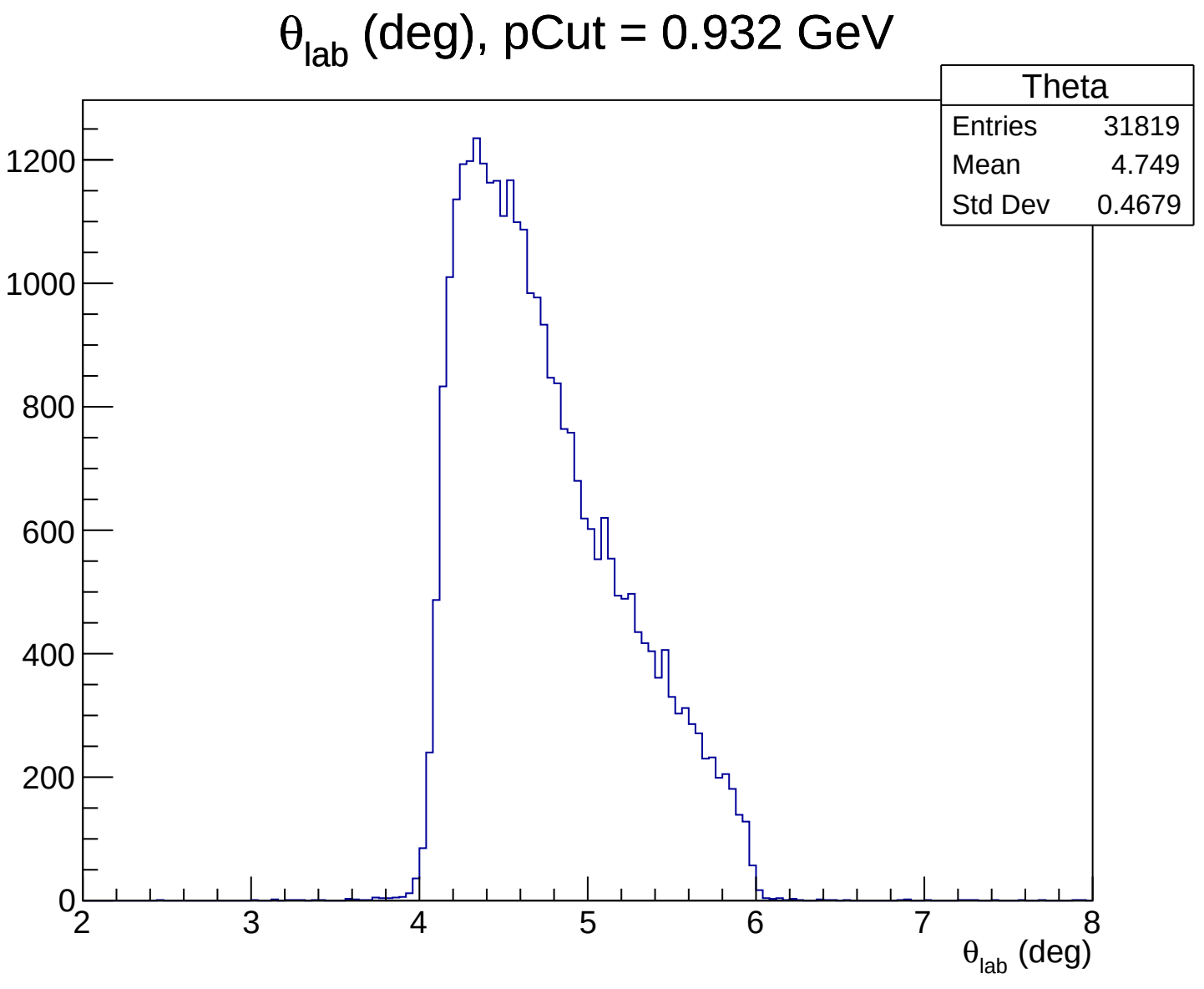

Sensitivity, pCut = 0.931 GeV
sens
Entries 32158
Mean 0.02192
Std Dev 0.004037
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

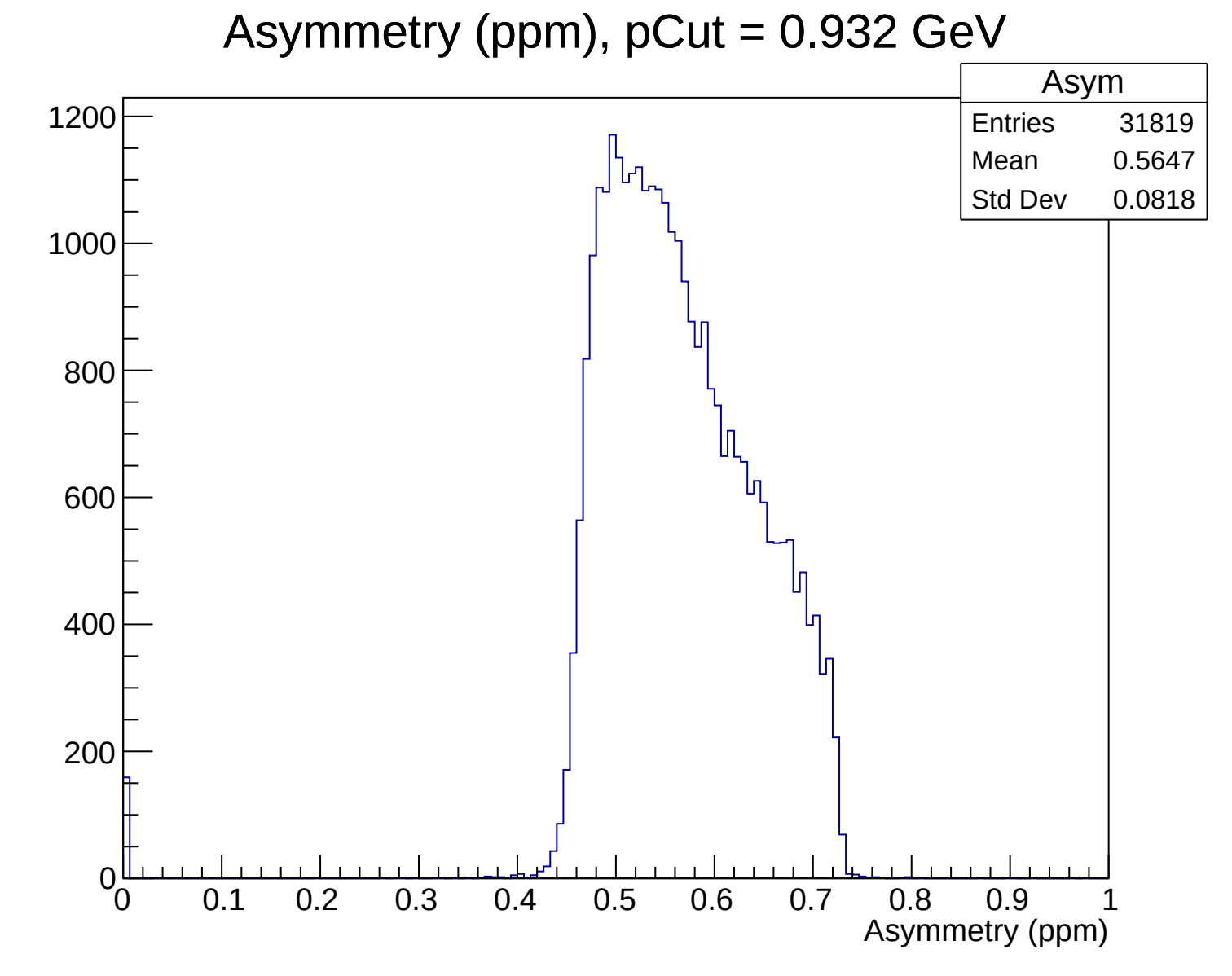
ADC raw (run2316, detZ = 1.3 m)

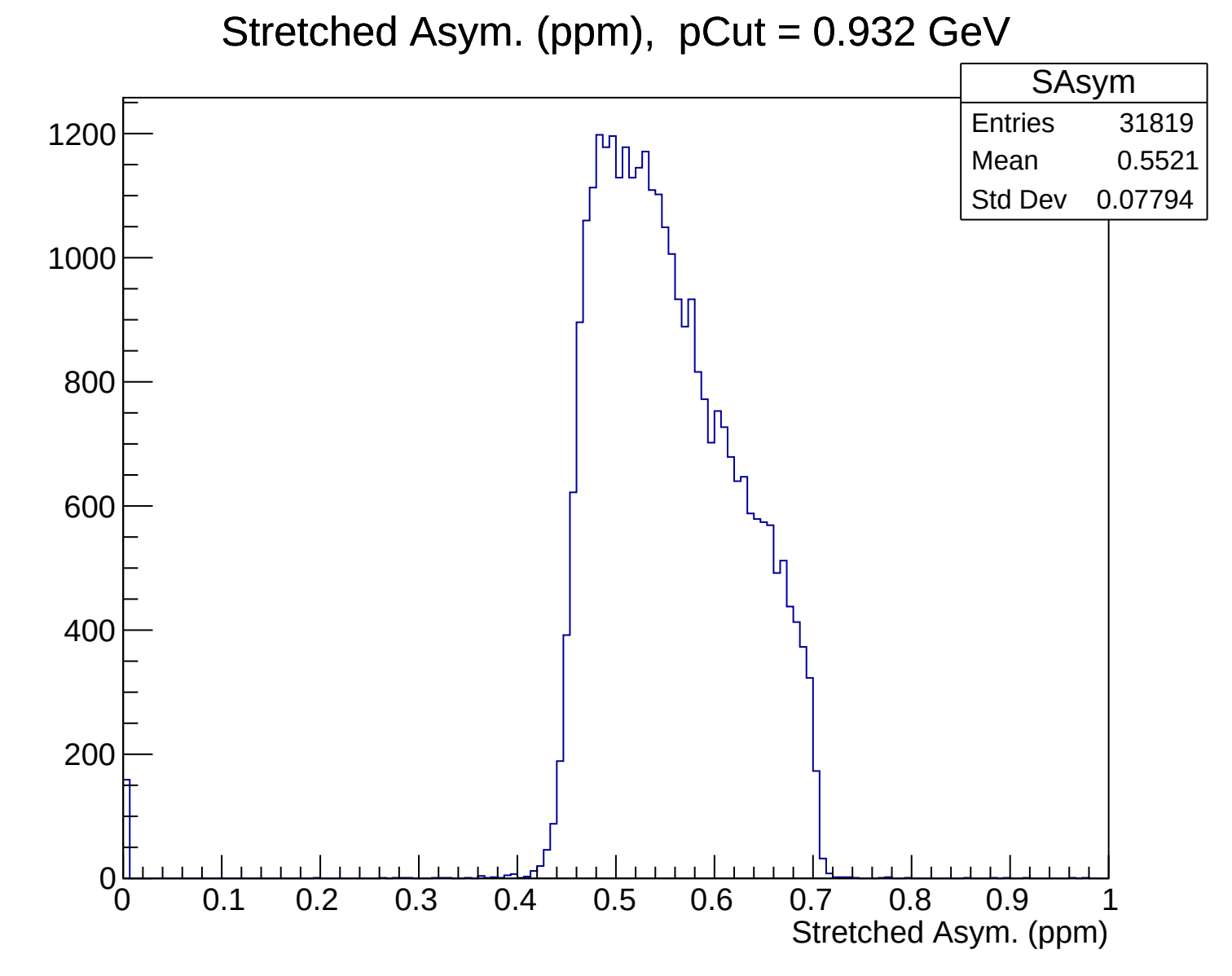


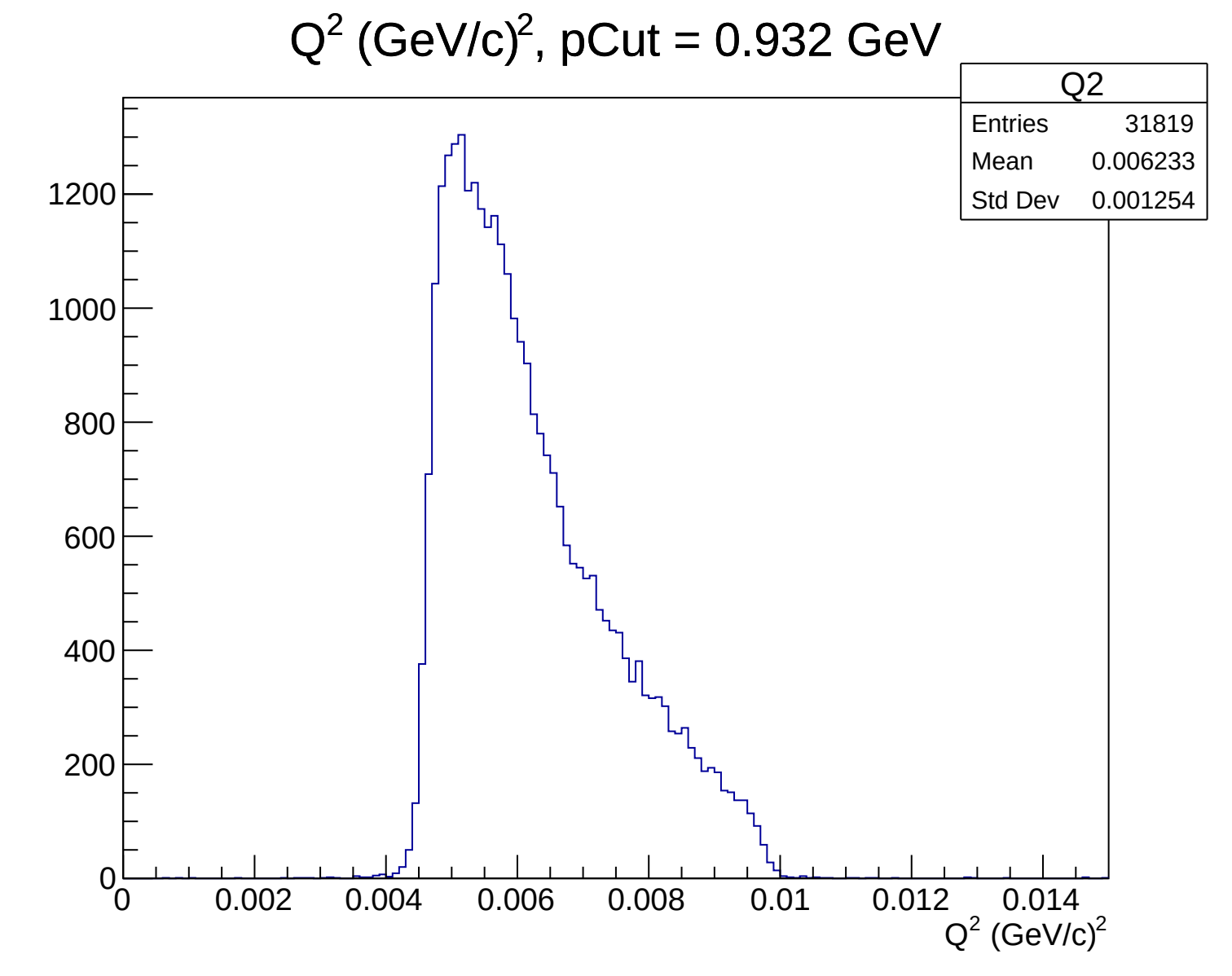
LHRS momentum run2316

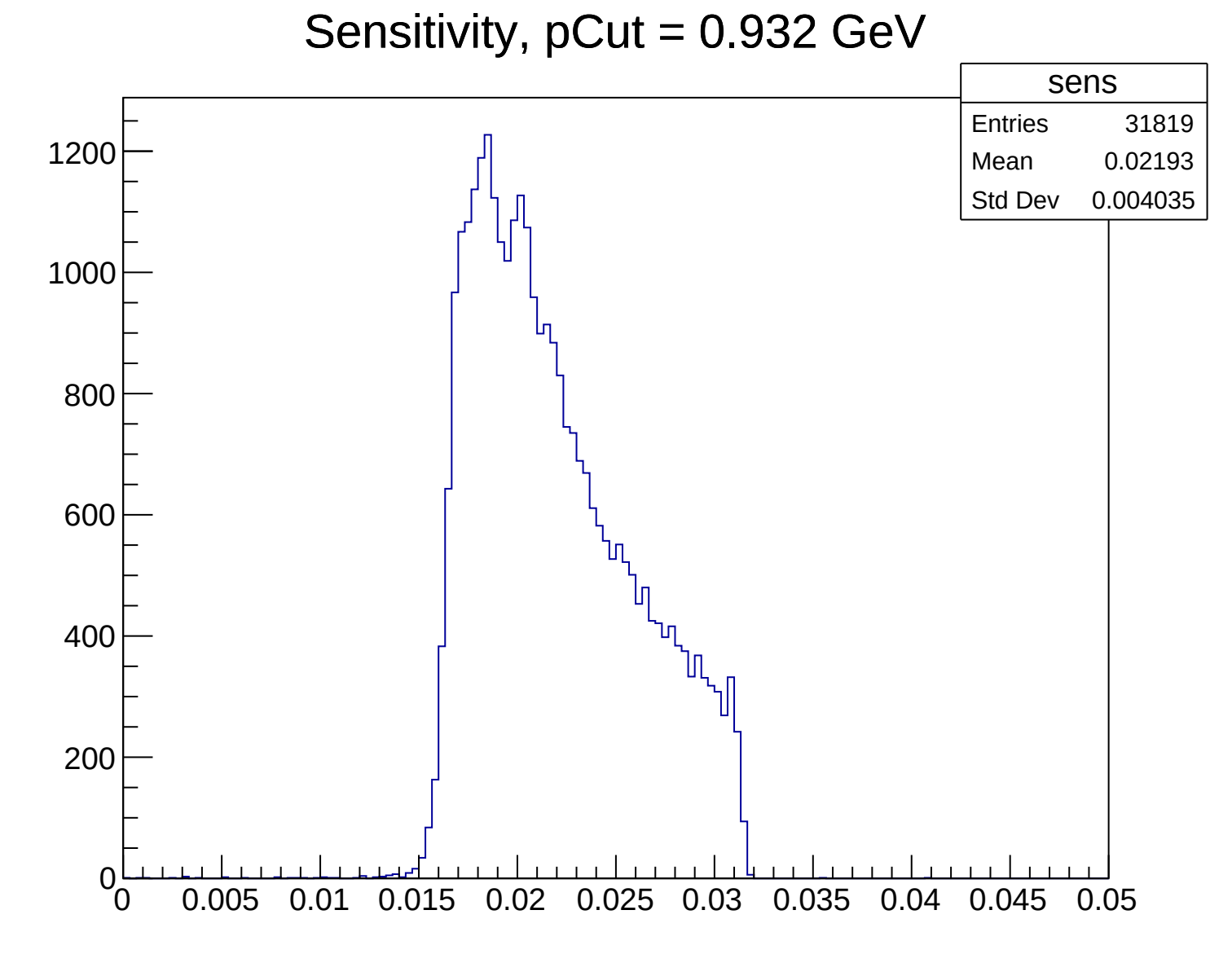



θlab (deg), pCut = 0.932 GeV
Theta
Entries 31819
Mean 4.749
Std Dev 0.4679
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

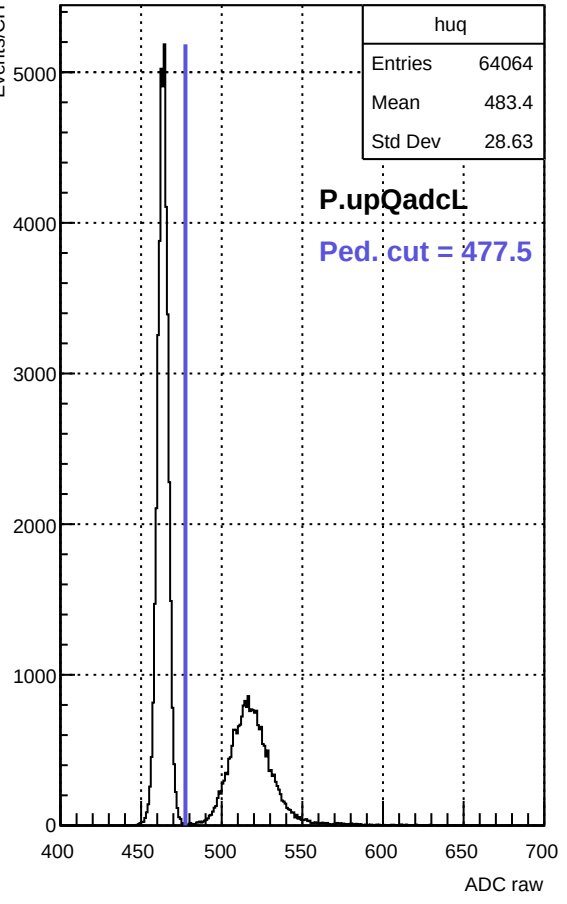

Asymmetry (ppm), pCut = 0.932 GeV
Asym
Entries 31819
Mean 0.5647
Std Dev 0.0818
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.932 GeV
SAsym
Entries 31819
Mean 0.5521
Std Dev 0.07794
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

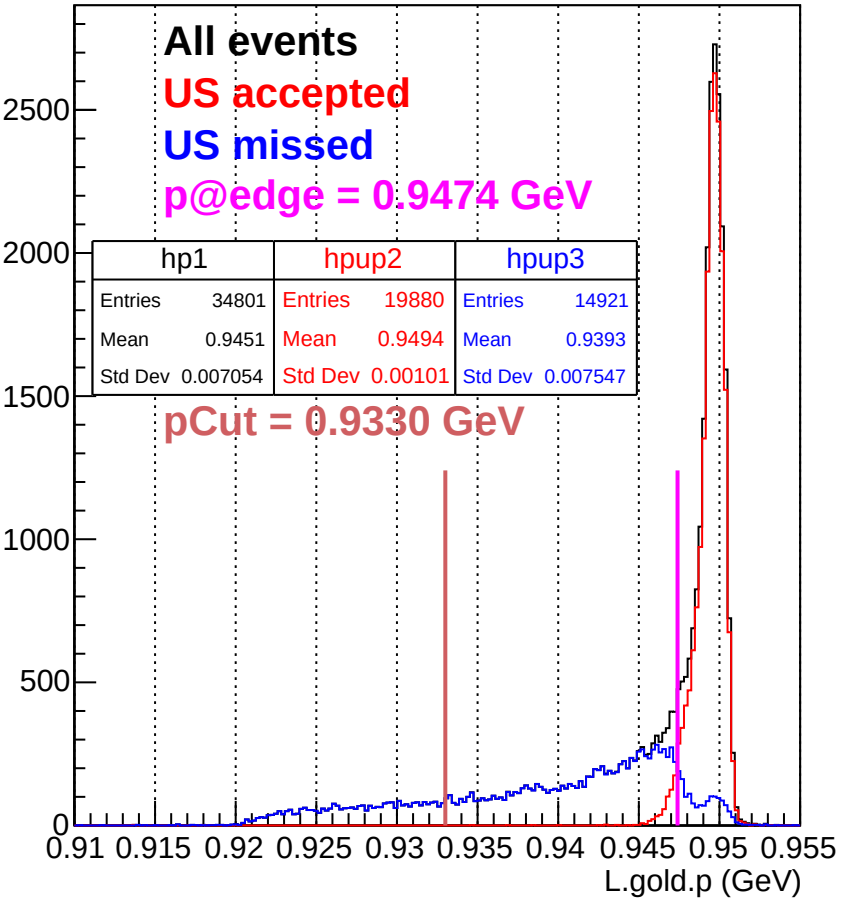

Q^2 (GeV/c)^2, pCut = 0.932 GeV
Q2
Entries 31819
Mean 0.006233
Std Dev 0.001254
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

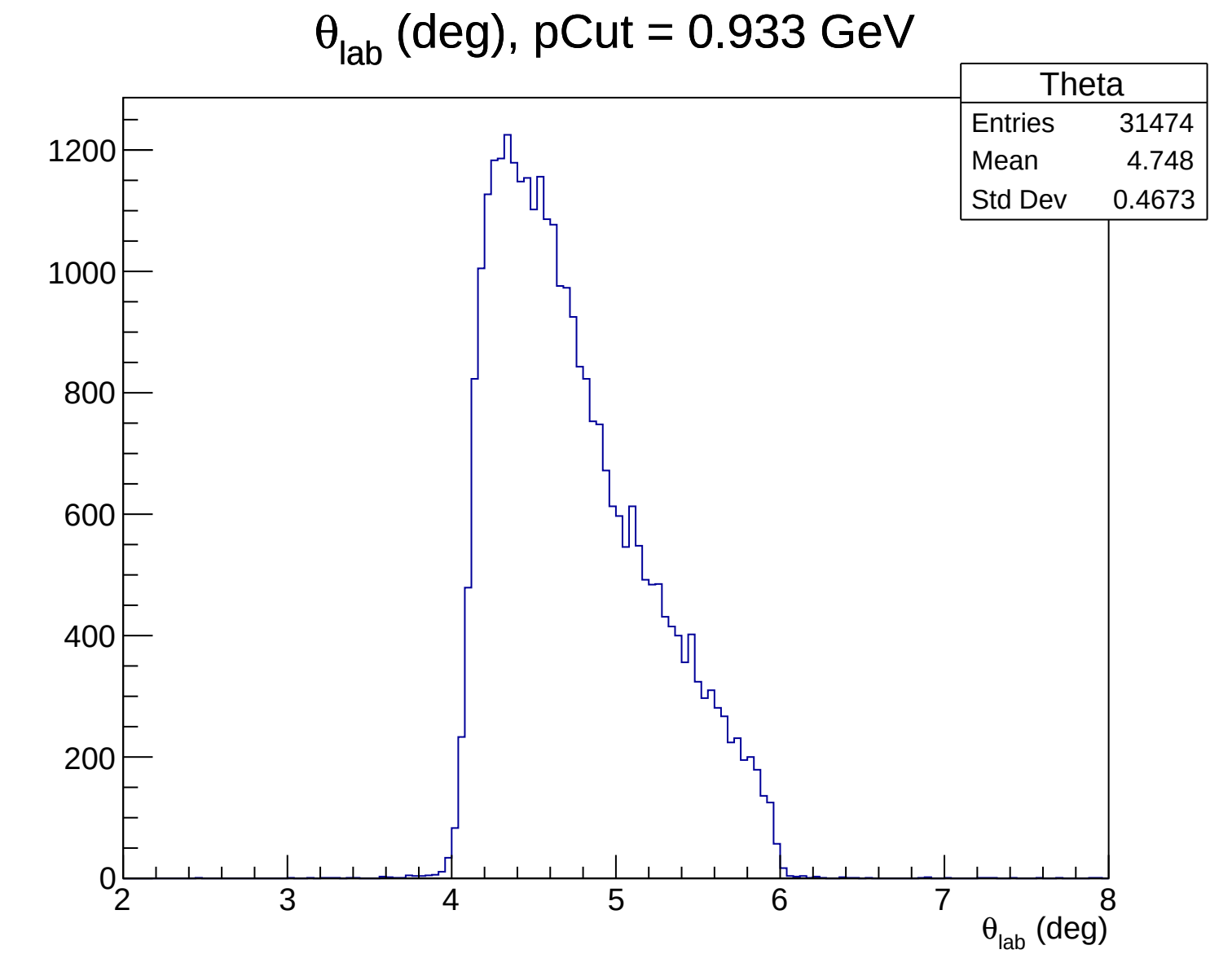

Sensitivity, pCut = 0.932 GeV
sens
Entries 31819
Mean 0.02193
Std Dev 0.004035
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

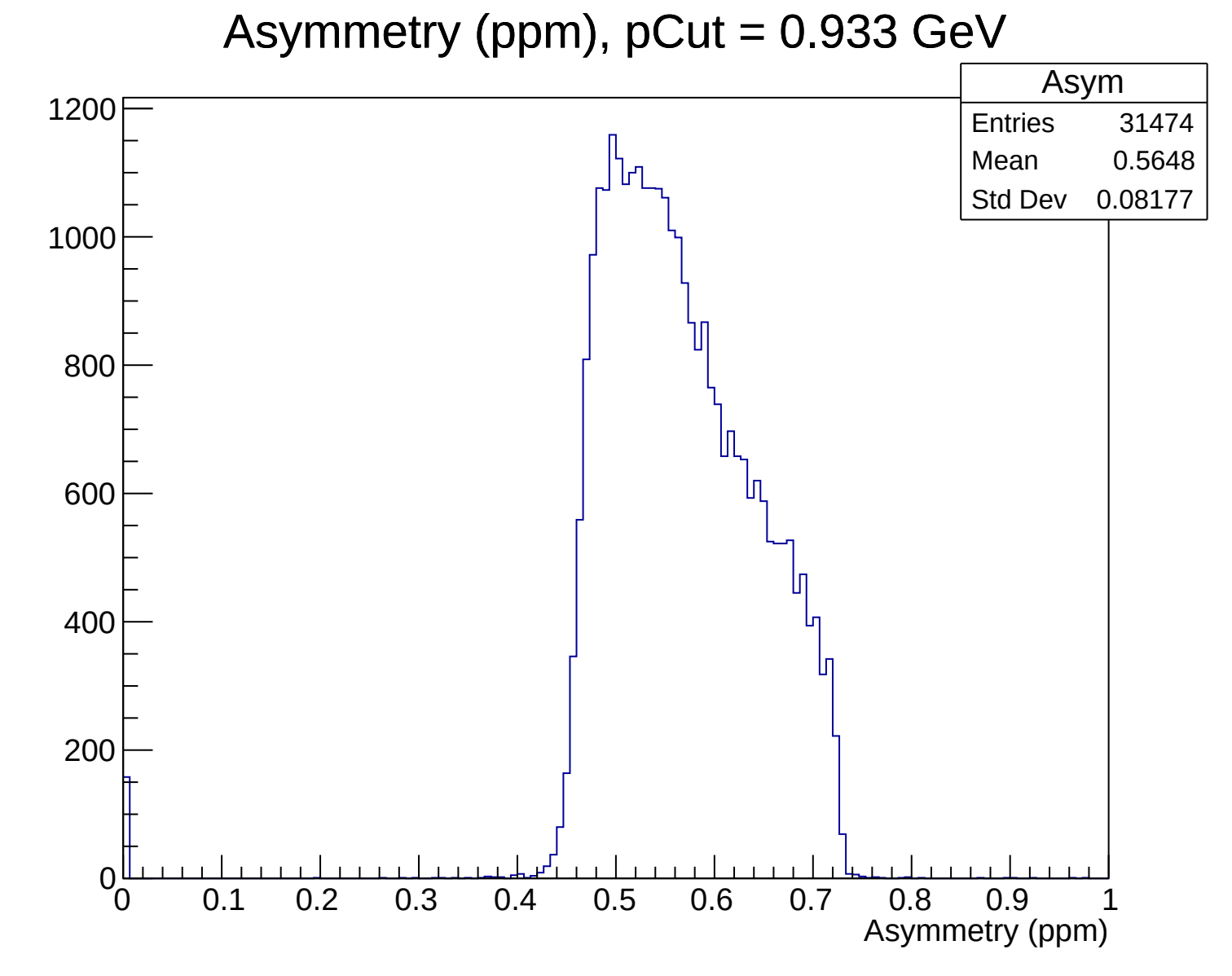
ADC raw (run2316, detZ = 1.3 m)

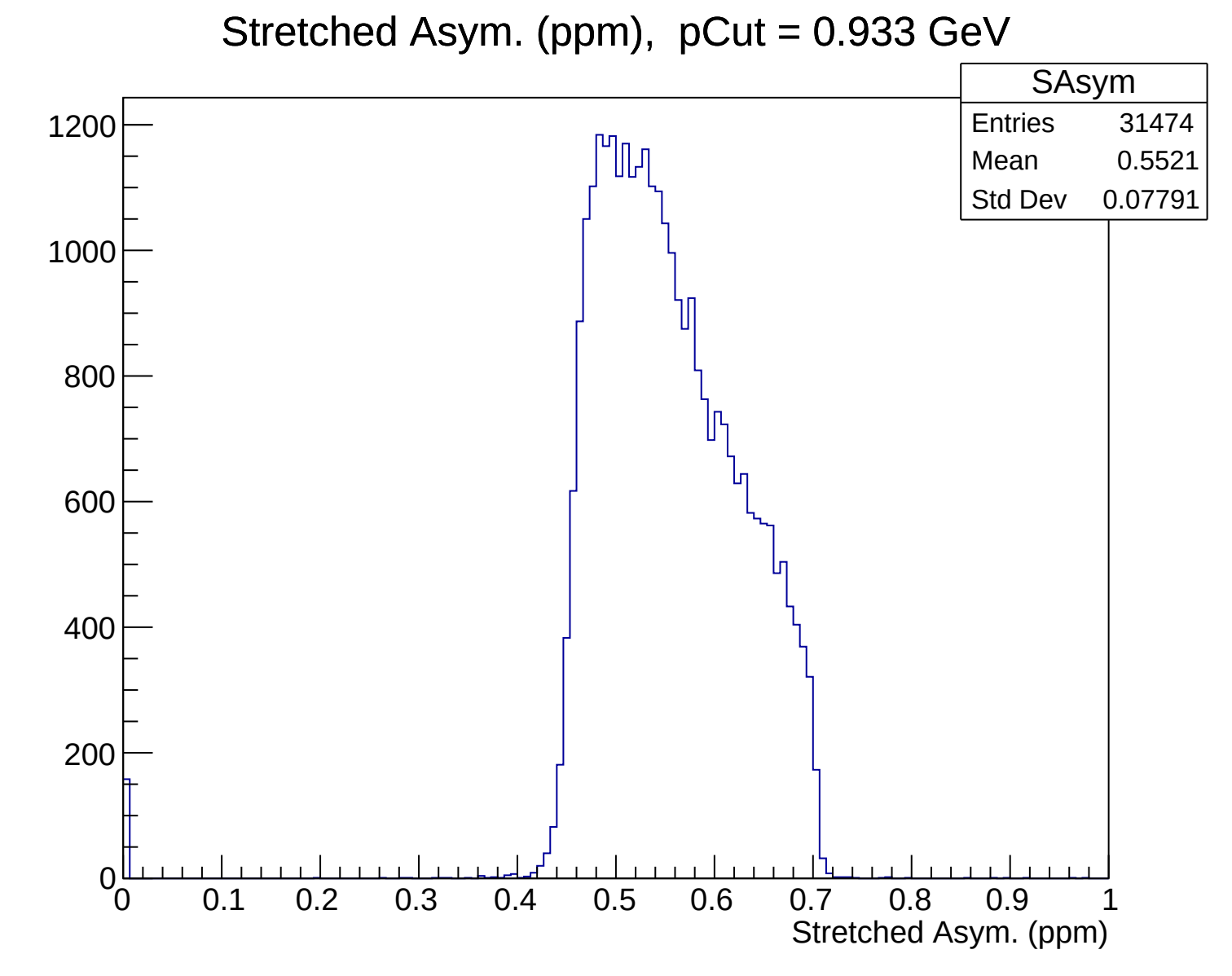


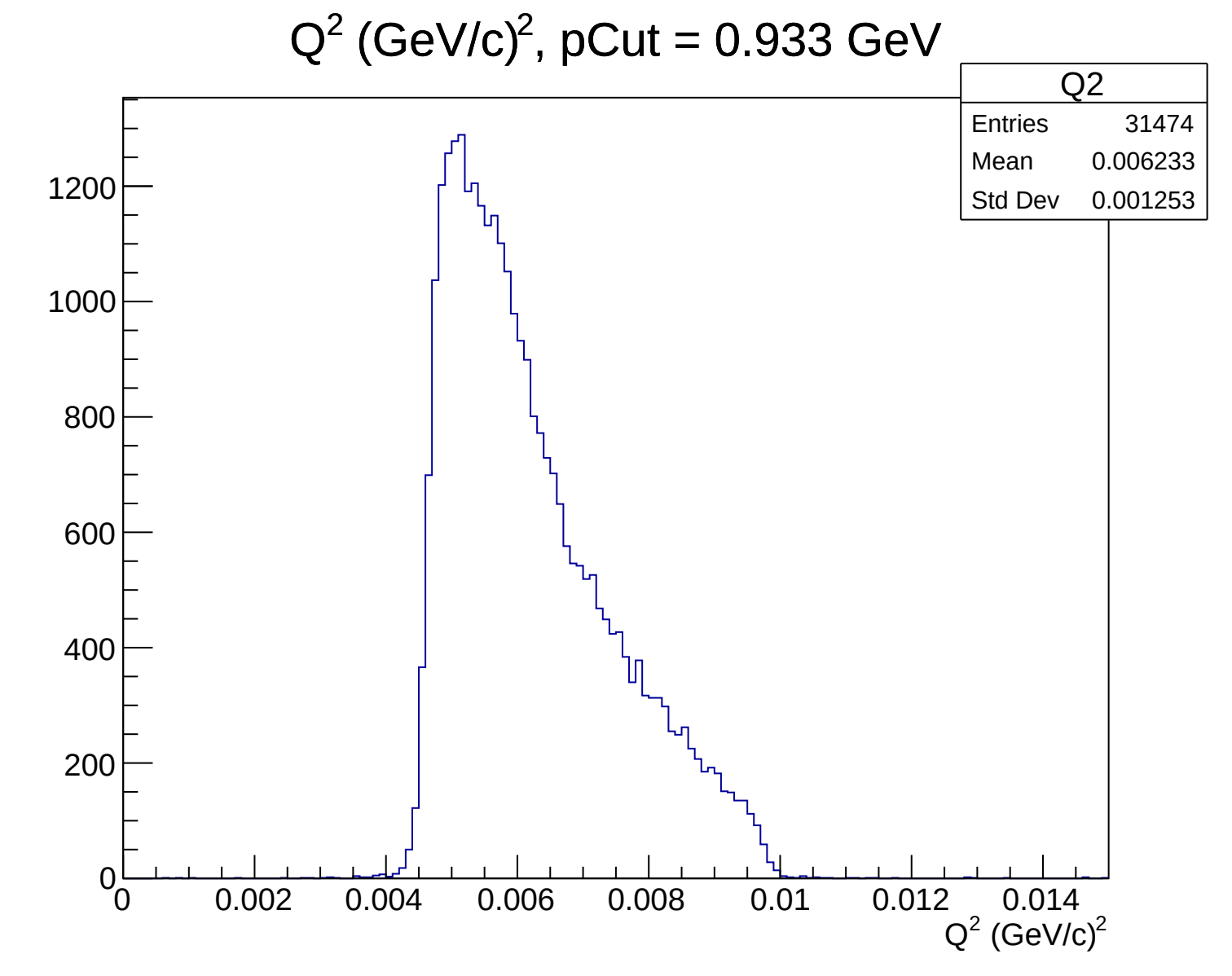
LHRS momentum run2316

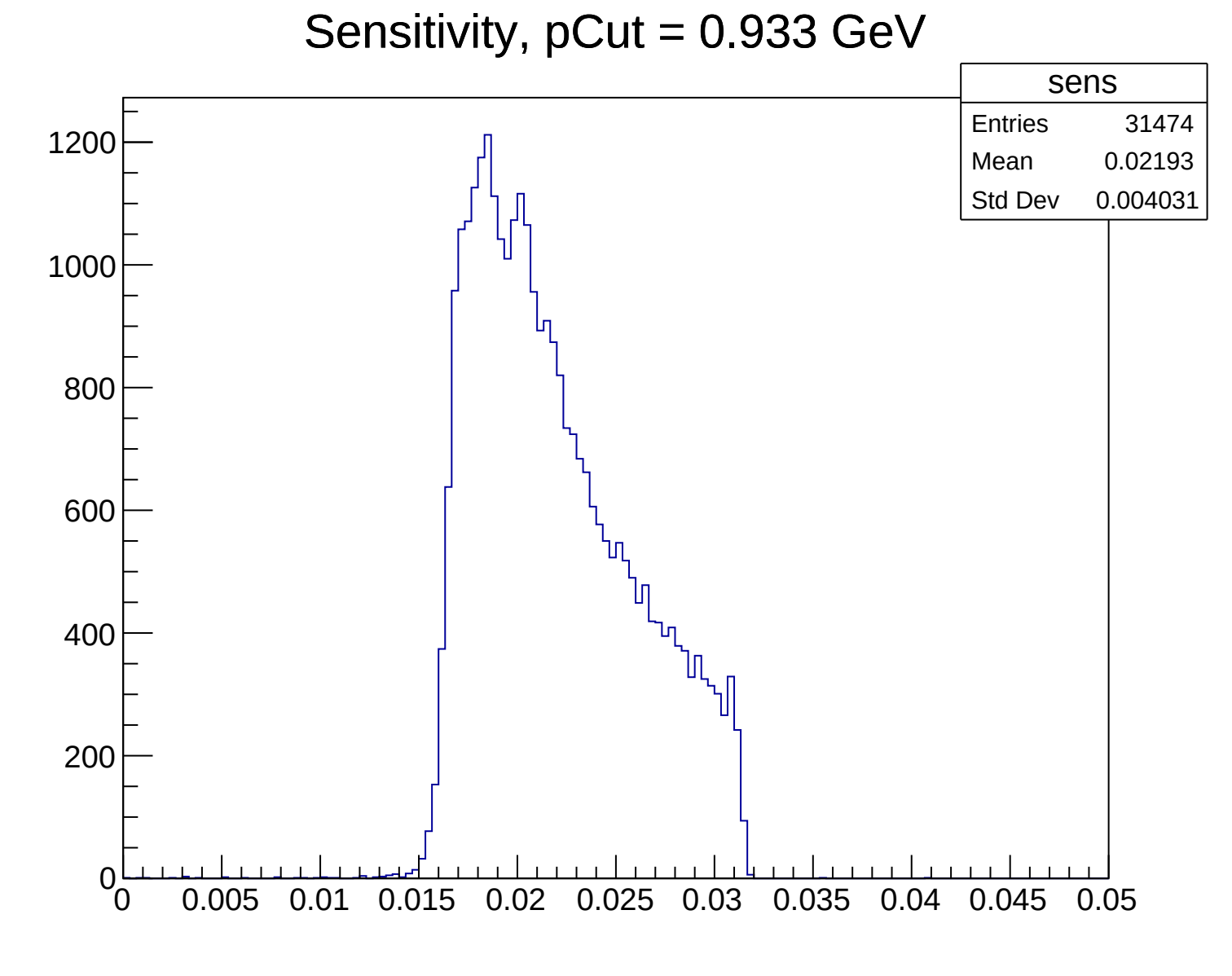



θlab (deg), pCut = 0.933 GeV
Theta
Entries 31474
Mean 4.748
Std Dev 0.4673
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

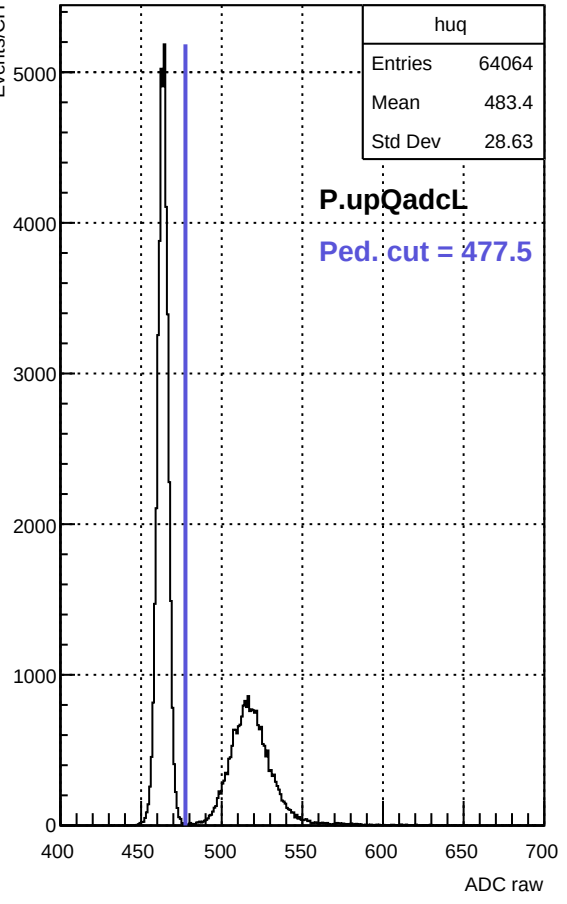

Asymmetry (ppm), pCut = 0.933 GeV
Asym
Entries 31474
Mean 0.5648
Std Dev 0.08177
1200
1000
800
600
400
200
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.933 GeV
SAsym
Entries 31474
Mean 0.5521
Std Dev 0.07791
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

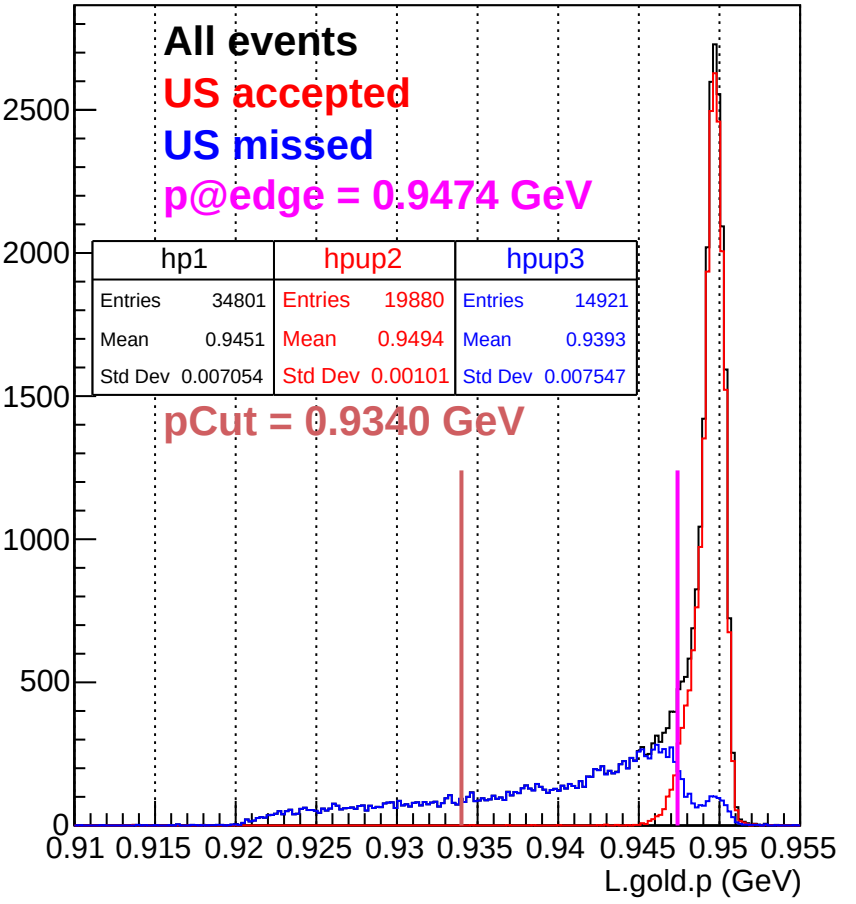

Q^2 (GeV/c)^2, pCut = 0.933 GeV
Q2
Entries 31474
Mean 0.006233
Std Dev 0.001253
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

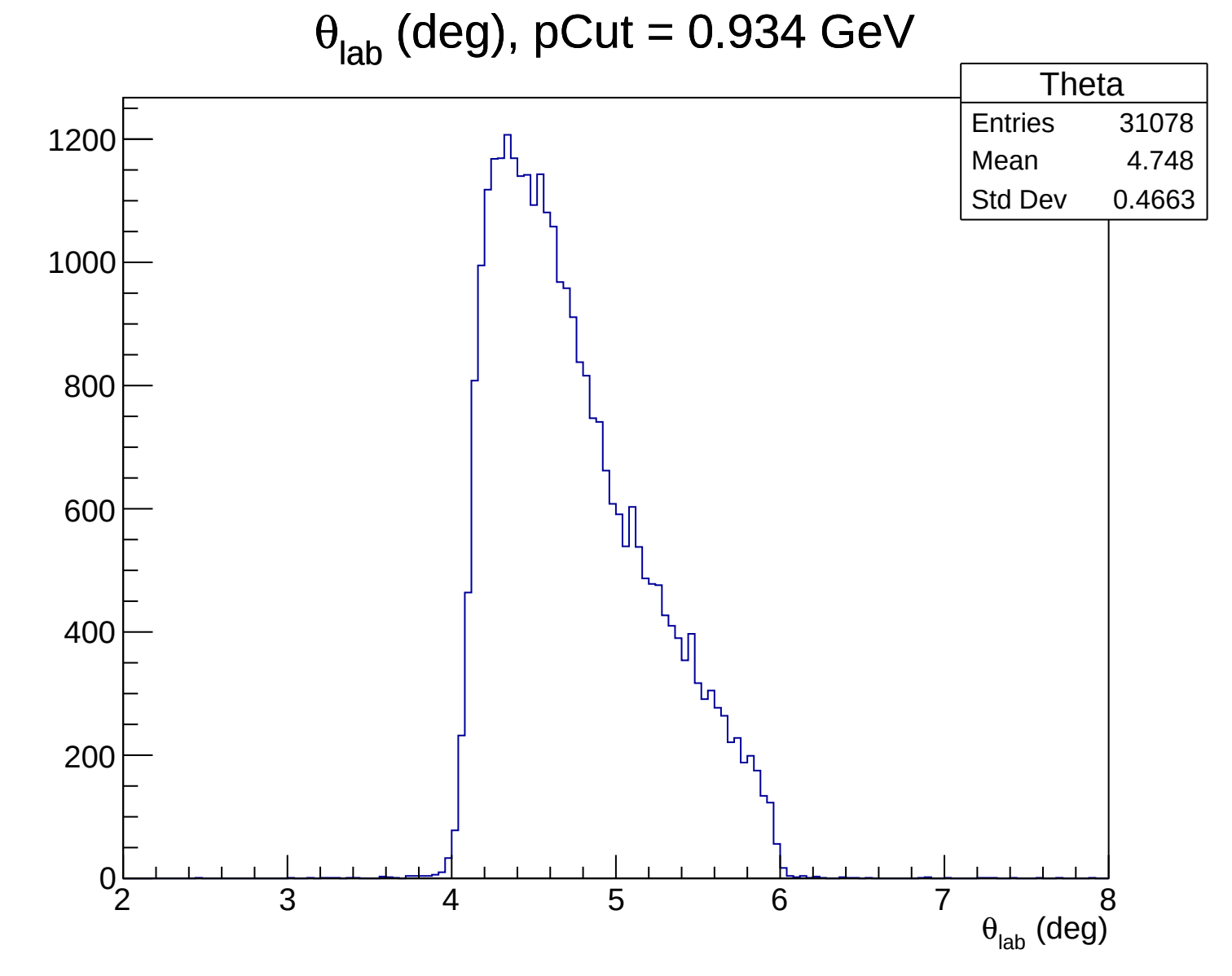

Sensitivity, pCut = 0.933 GeV
sens
Entries 31474
Mean 0.02193
Std Dev 0.004031
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

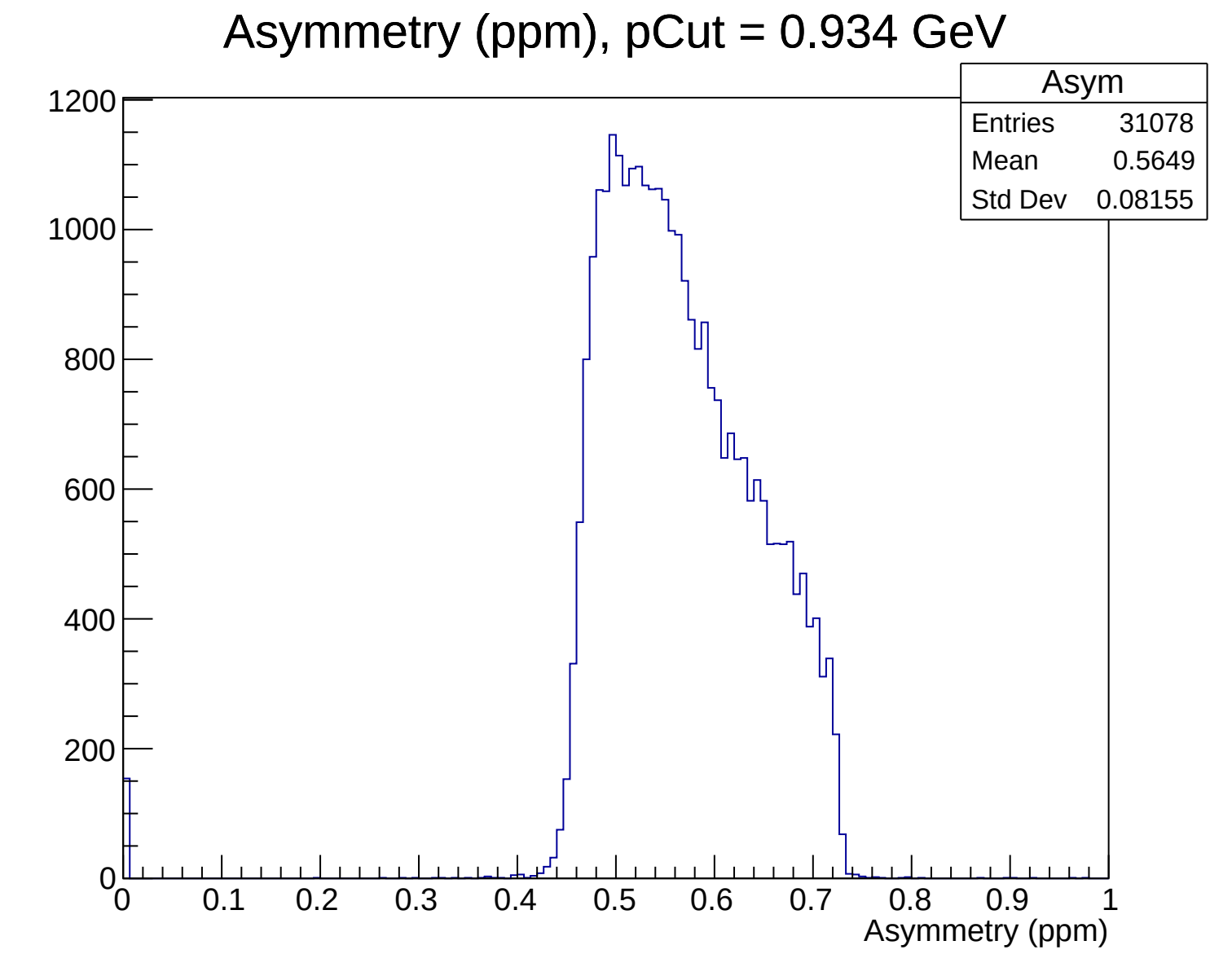
ADC raw (run2316, detZ = 1.3 m)

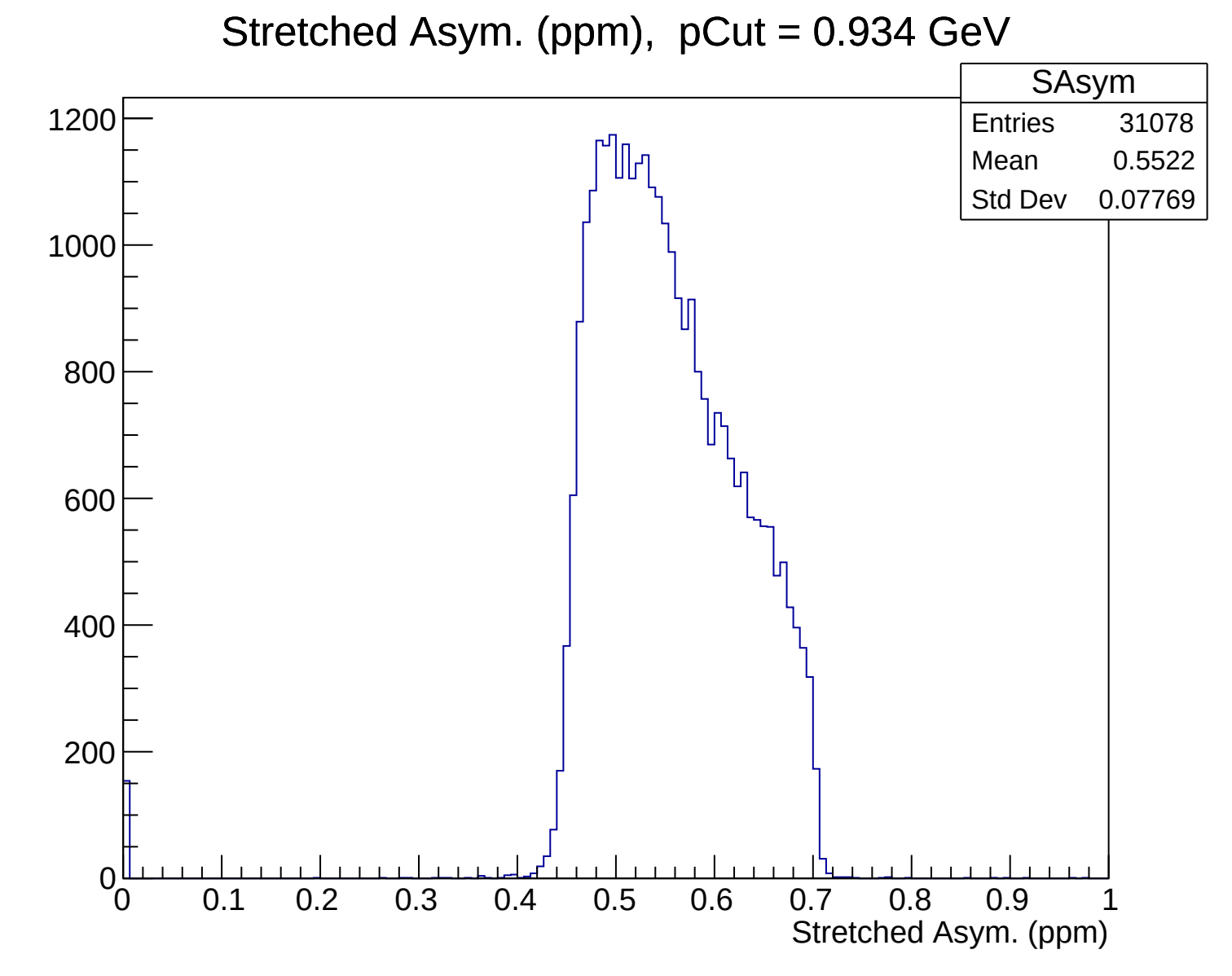


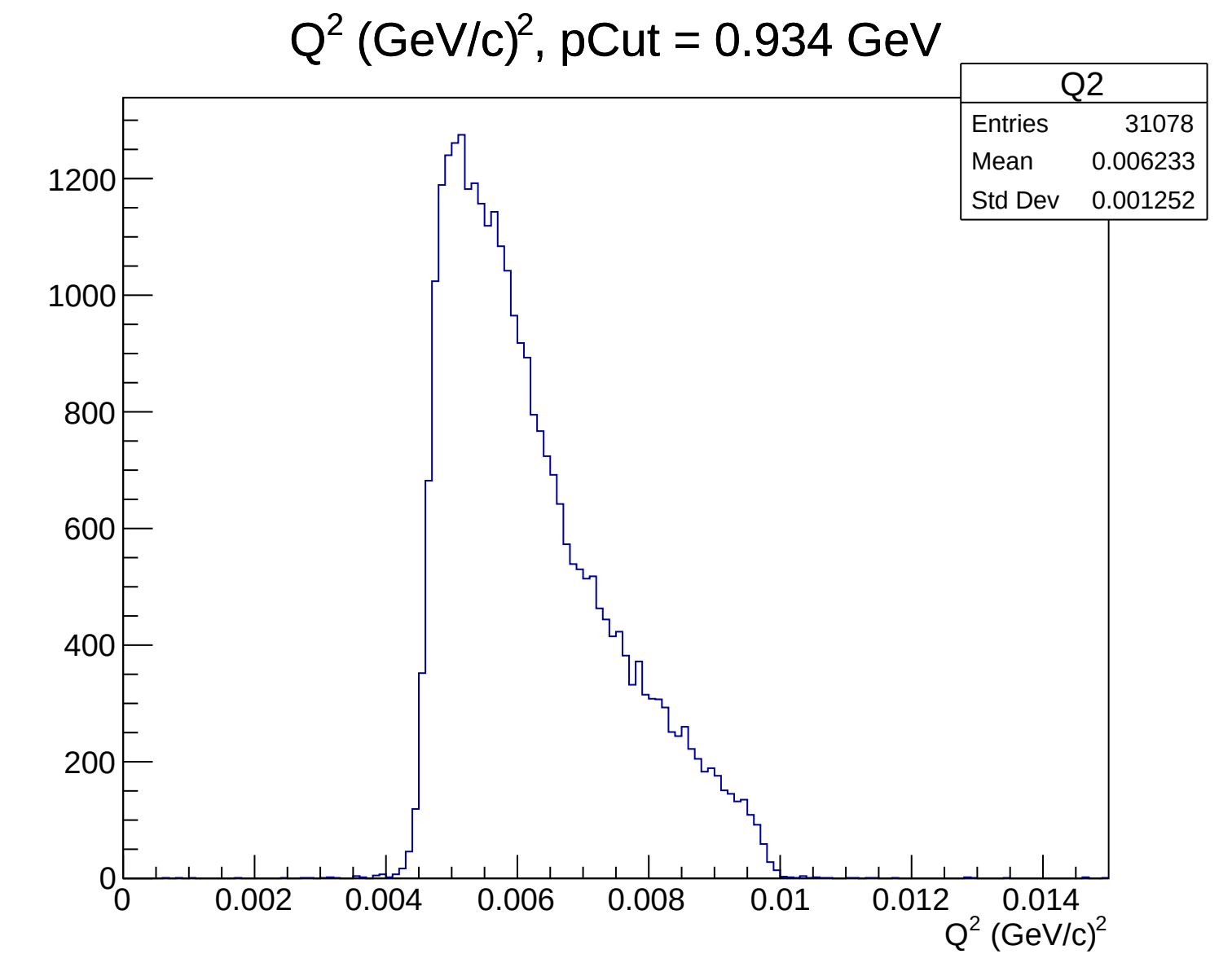
LHRS momentum run2316

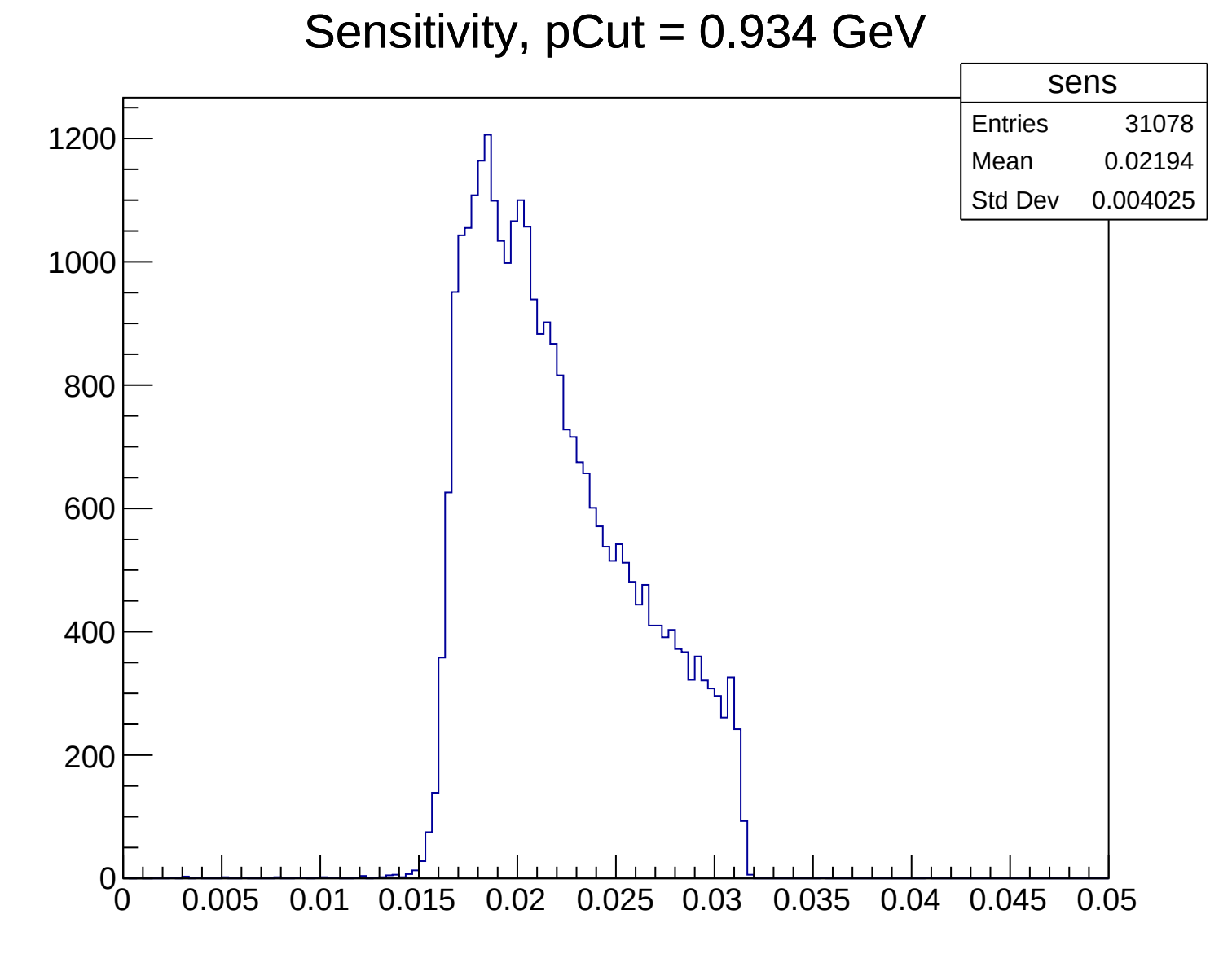



θlab (deg), pCut = 0.934 GeV
Theta
Entries 31078
Mean 4.748
Std Dev 0.4663
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

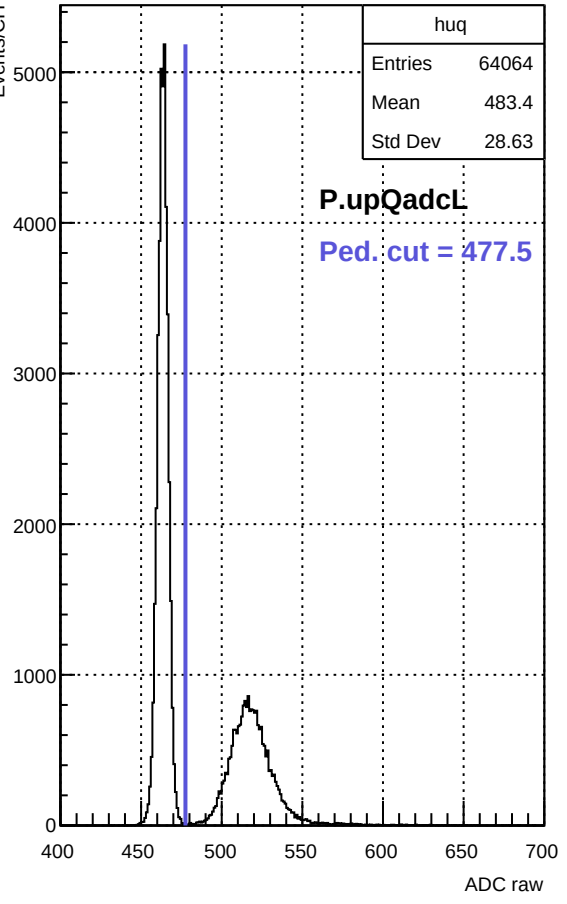

Asymmetry (ppm), pCut = 0.934 GeV
Asym
Entries 31078
Mean 0.5649
Std Dev 0.08155
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.934 GeV
SAsym
Entries 31078
Mean 0.5522
Std Dev 0.07769
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

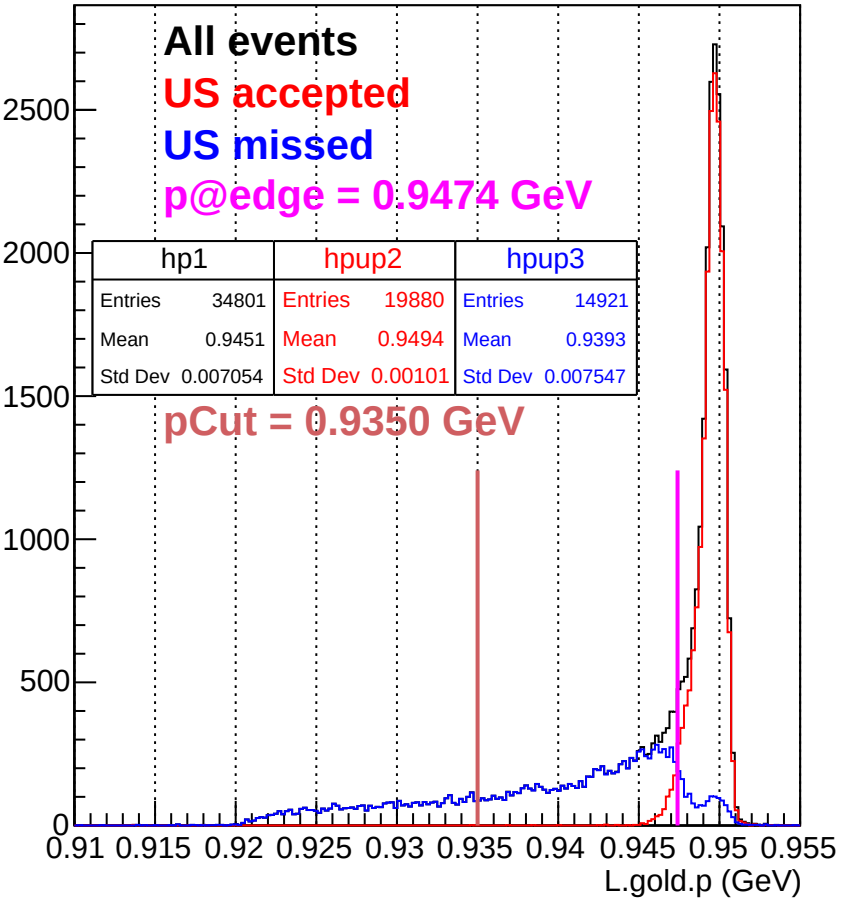

Q^2 (GeV/c)^2, pCut = 0.934 GeV
Q2
Entries 31078
Mean 0.006233
Std Dev 0.001252
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

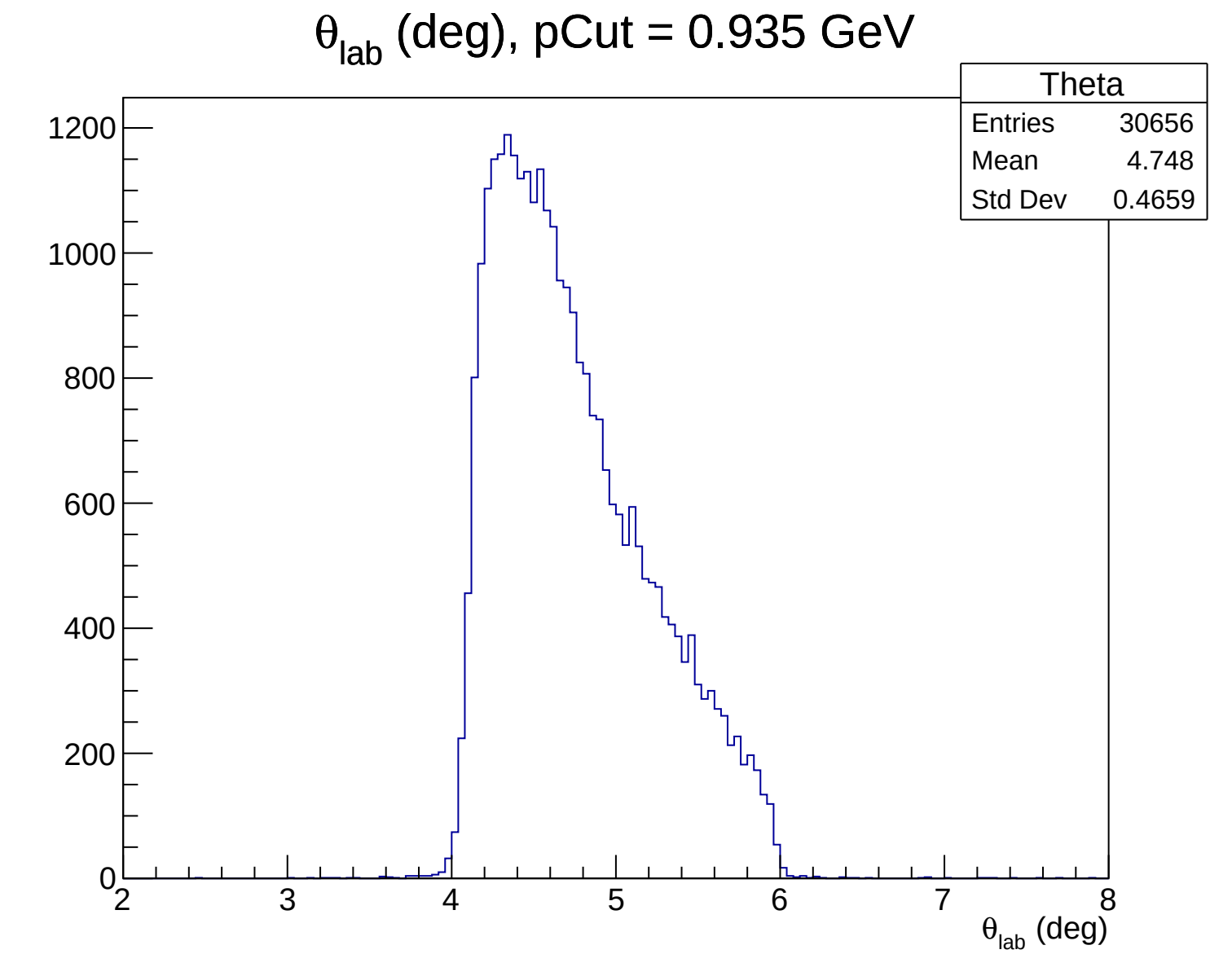

Sensitivity, pCut = 0.934 GeV
sens
Entries 31078
Mean 0.02194
Std Dev 0.004025
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

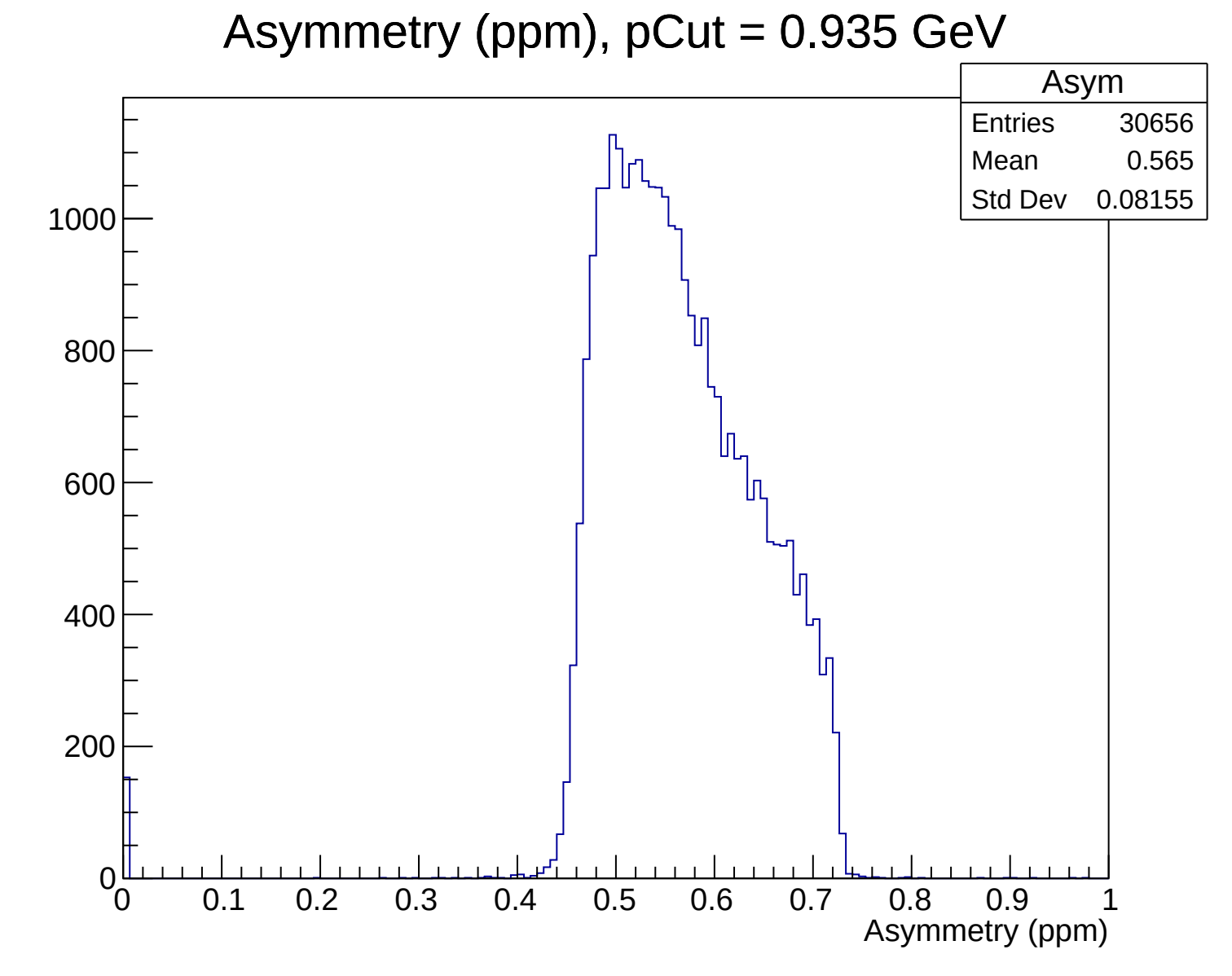
ADC raw (run2316, detZ = 1.3 m)

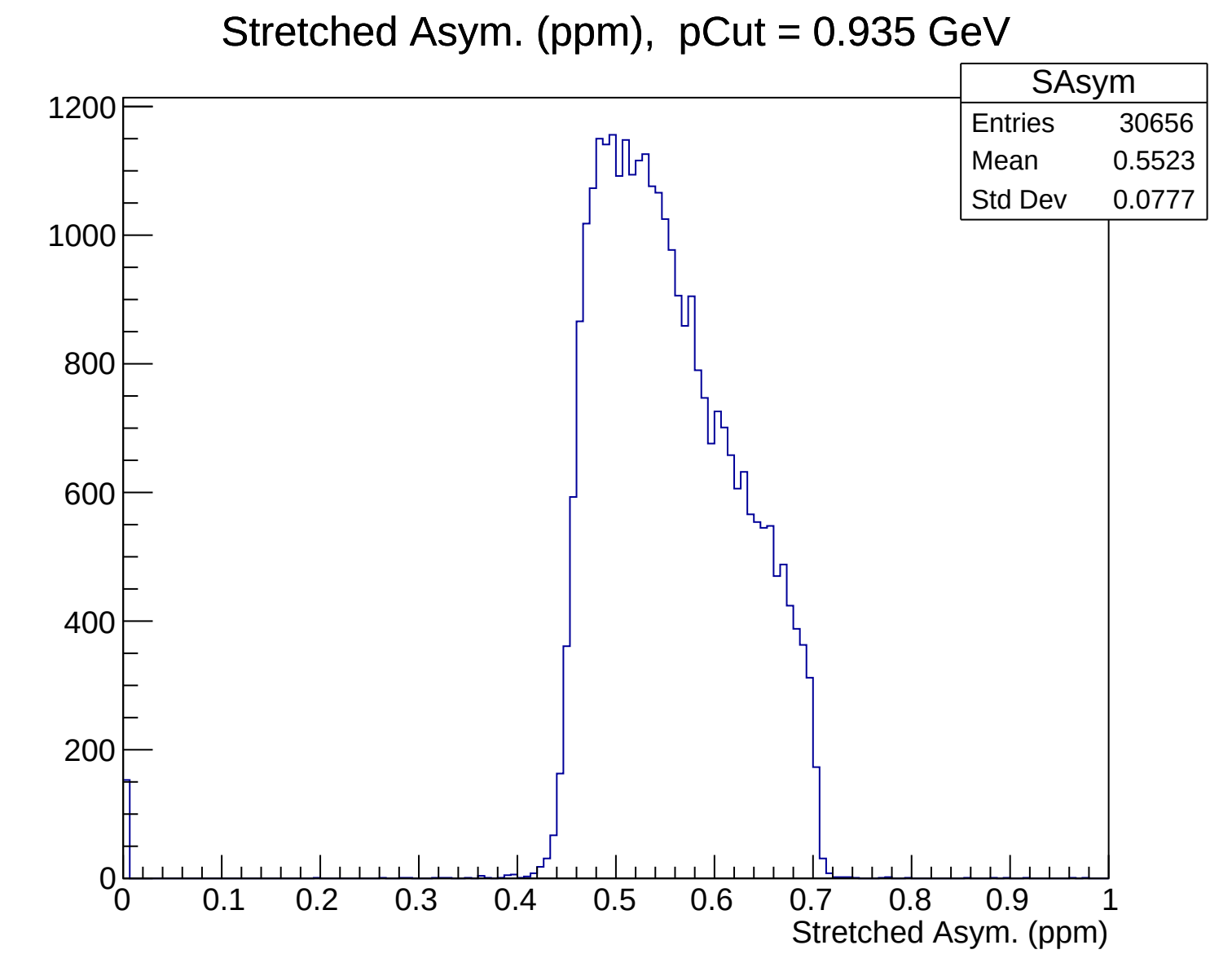


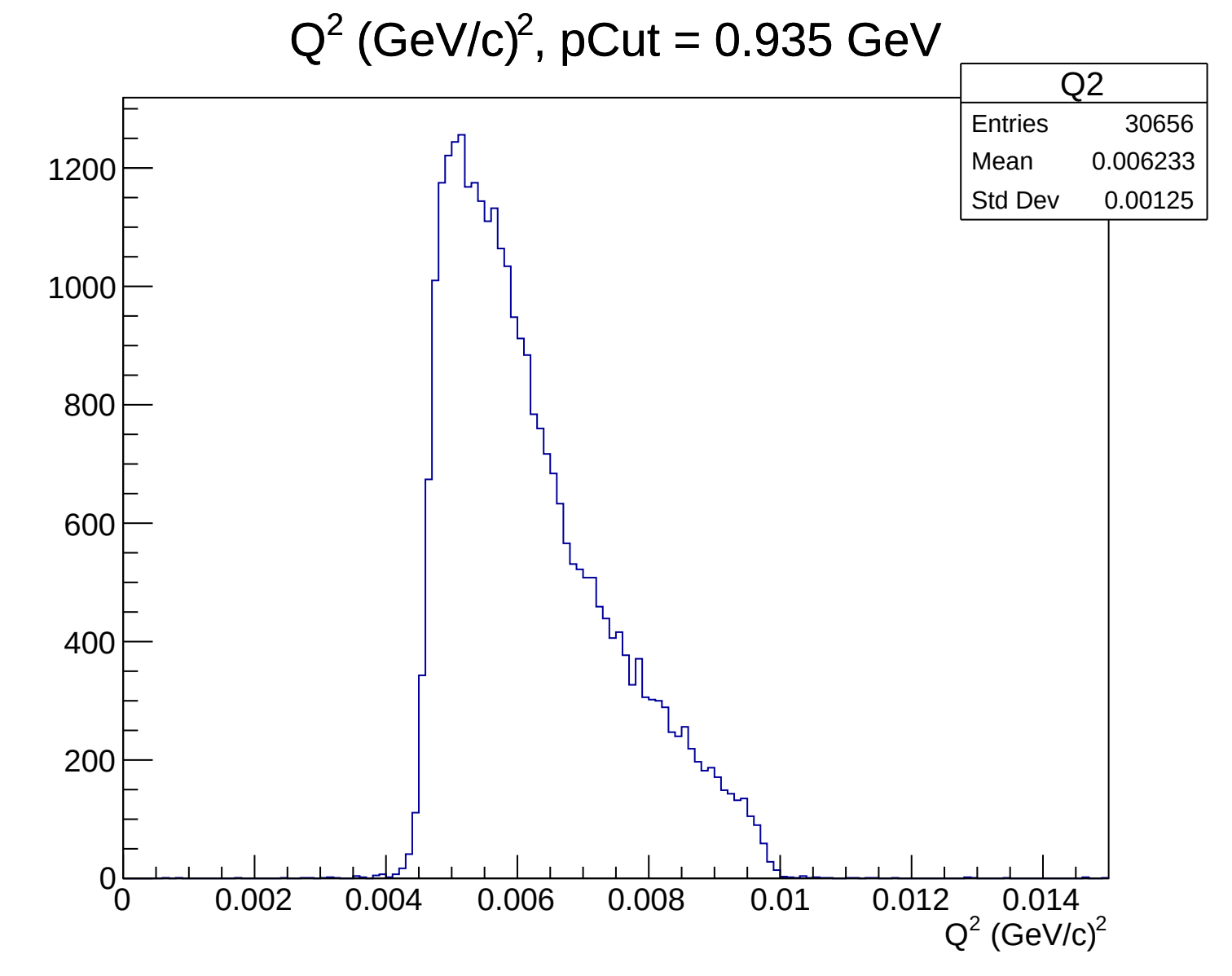
LHRS momentum run2316

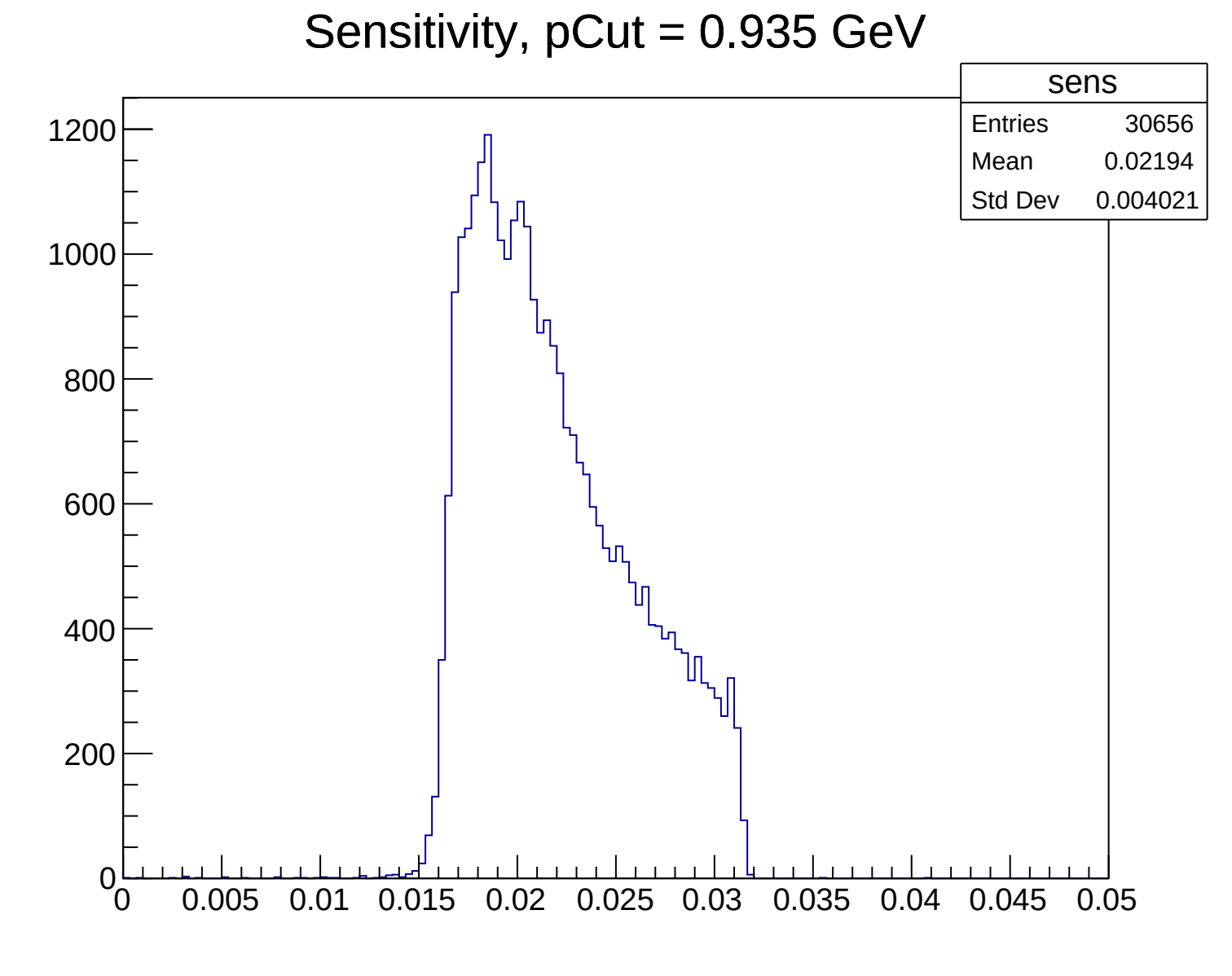



θlab (deg), pCut = 0.935 GeV
Theta
Entries 30656
Mean 4.748
Std Dev 0.4659
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

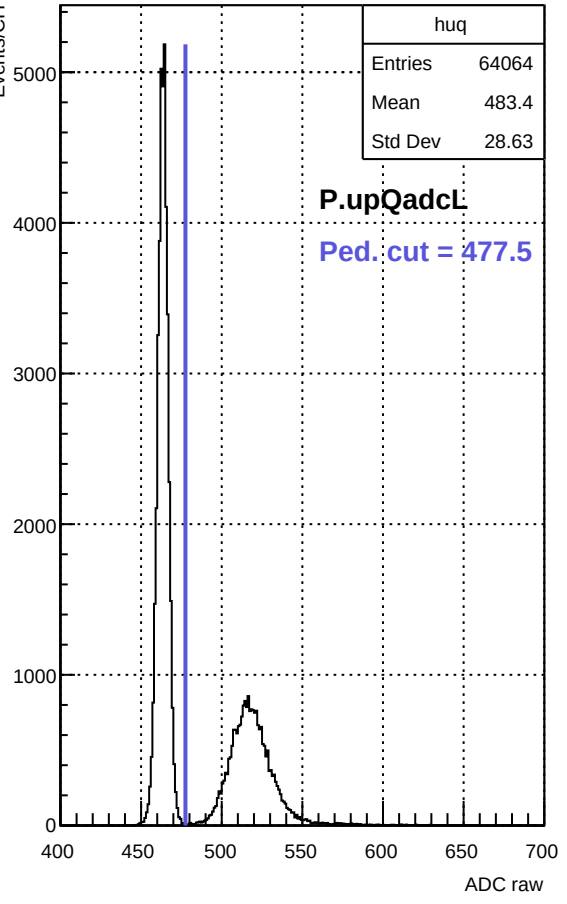

Asymmetry (ppm), pCut = 0.935 GeV
Asym
Entries 30656
Mean 0.565
Std Dev 0.08155
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.935 GeV
SAsym
Entries 30656
Mean 0.5523
Std Dev 0.0777
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

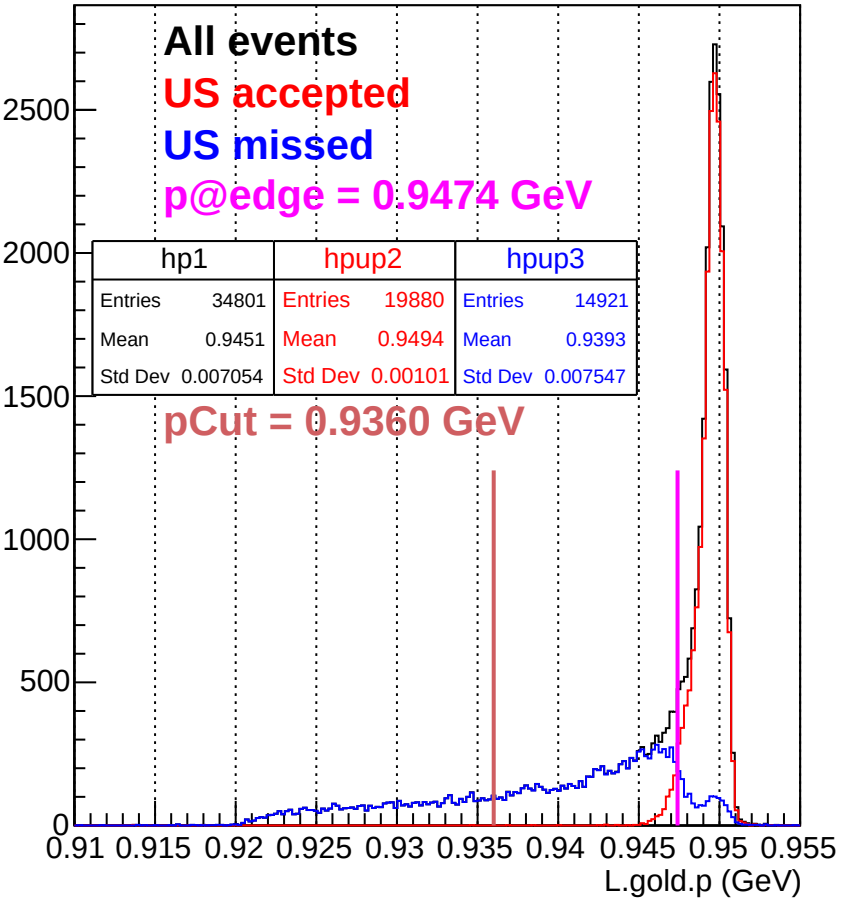

Q^2 (GeV/c)^2, pCut = 0.935 GeV
Q2
Entries 30656
Mean 0.006233
Std Dev 0.00125
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

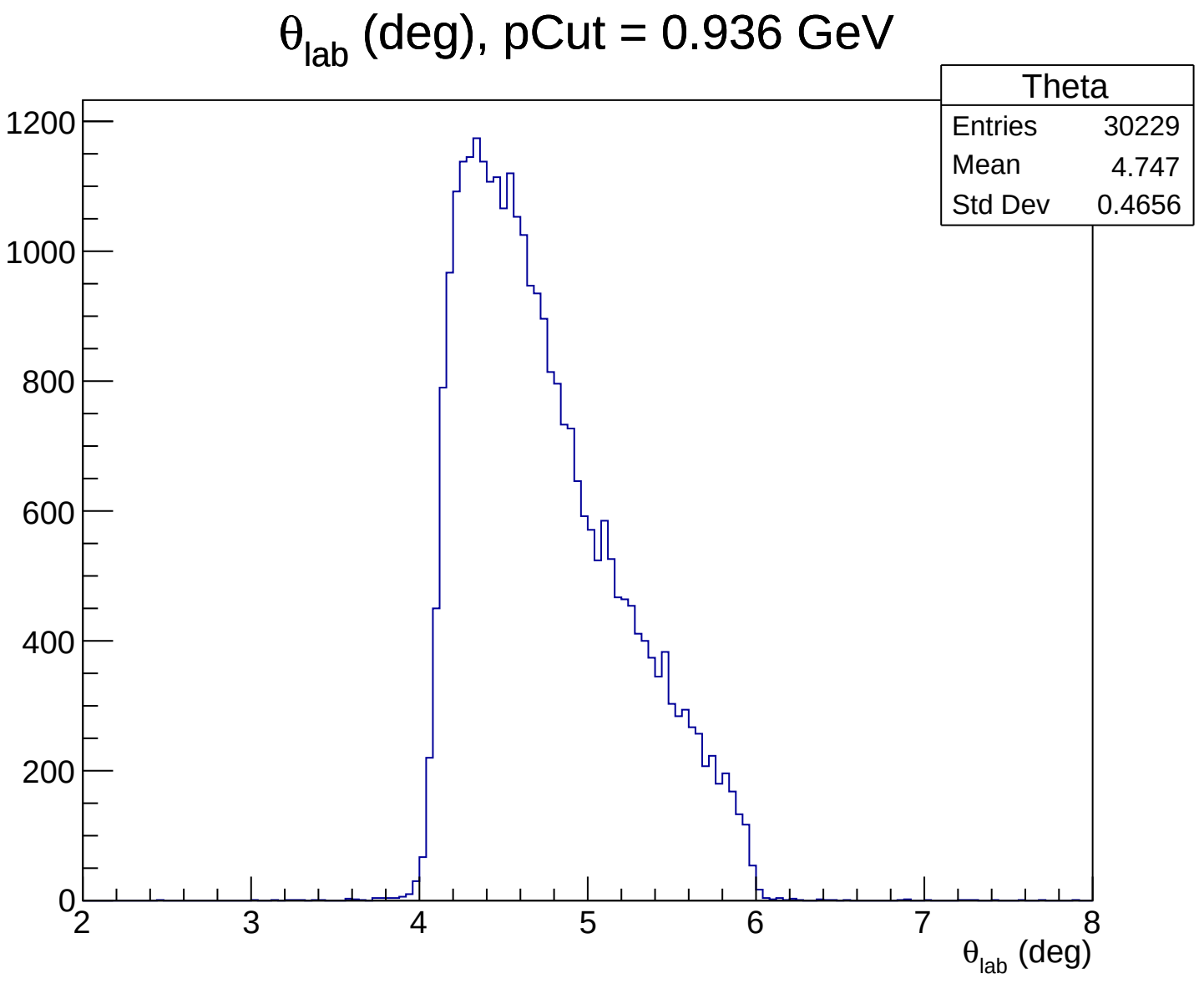

Sensitivity, pCut = 0.935 GeV
sens
Entries 30656
Mean 0.02194
Std Dev 0.004021
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

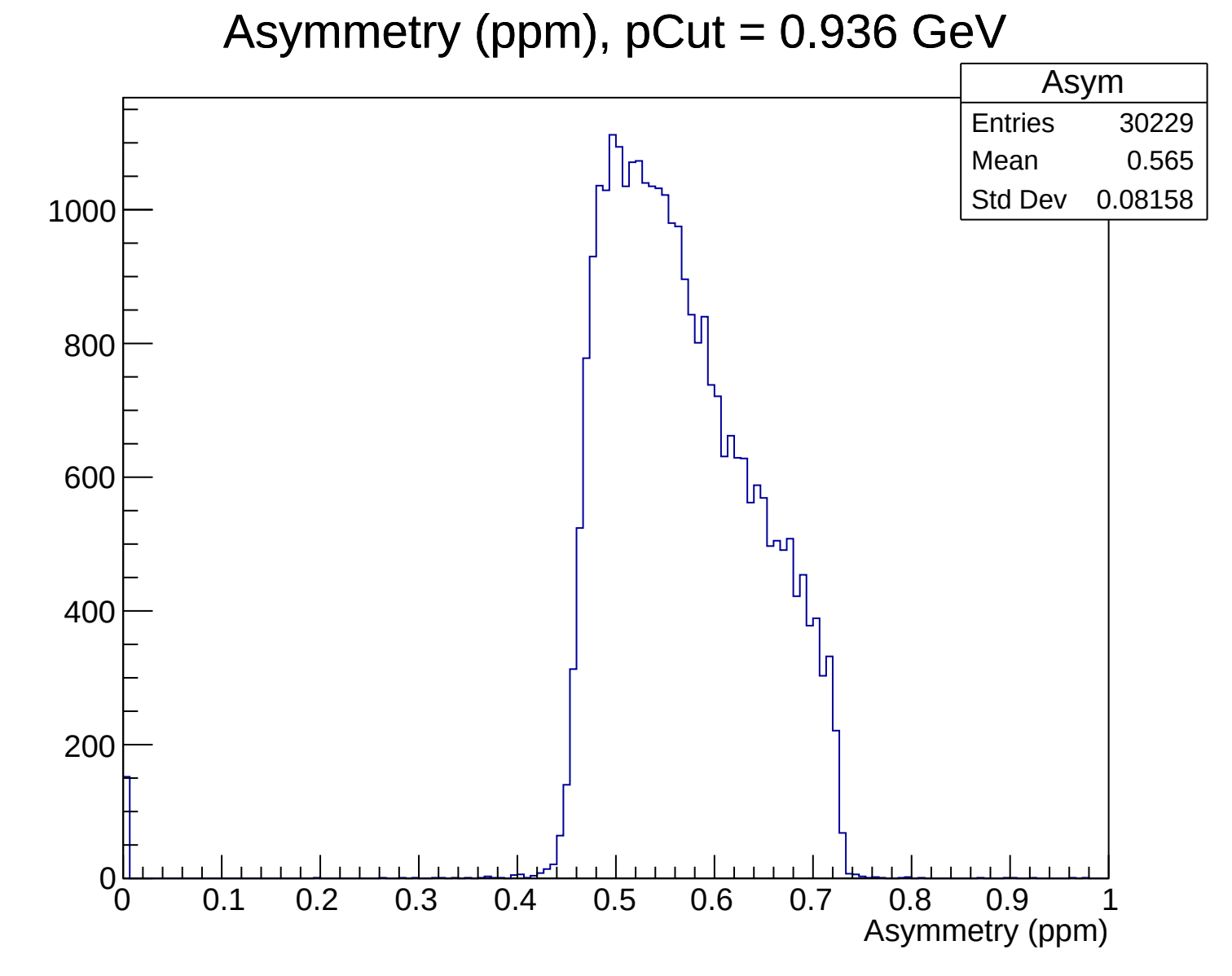
ADC raw (run2316, detZ = 1.3 m)

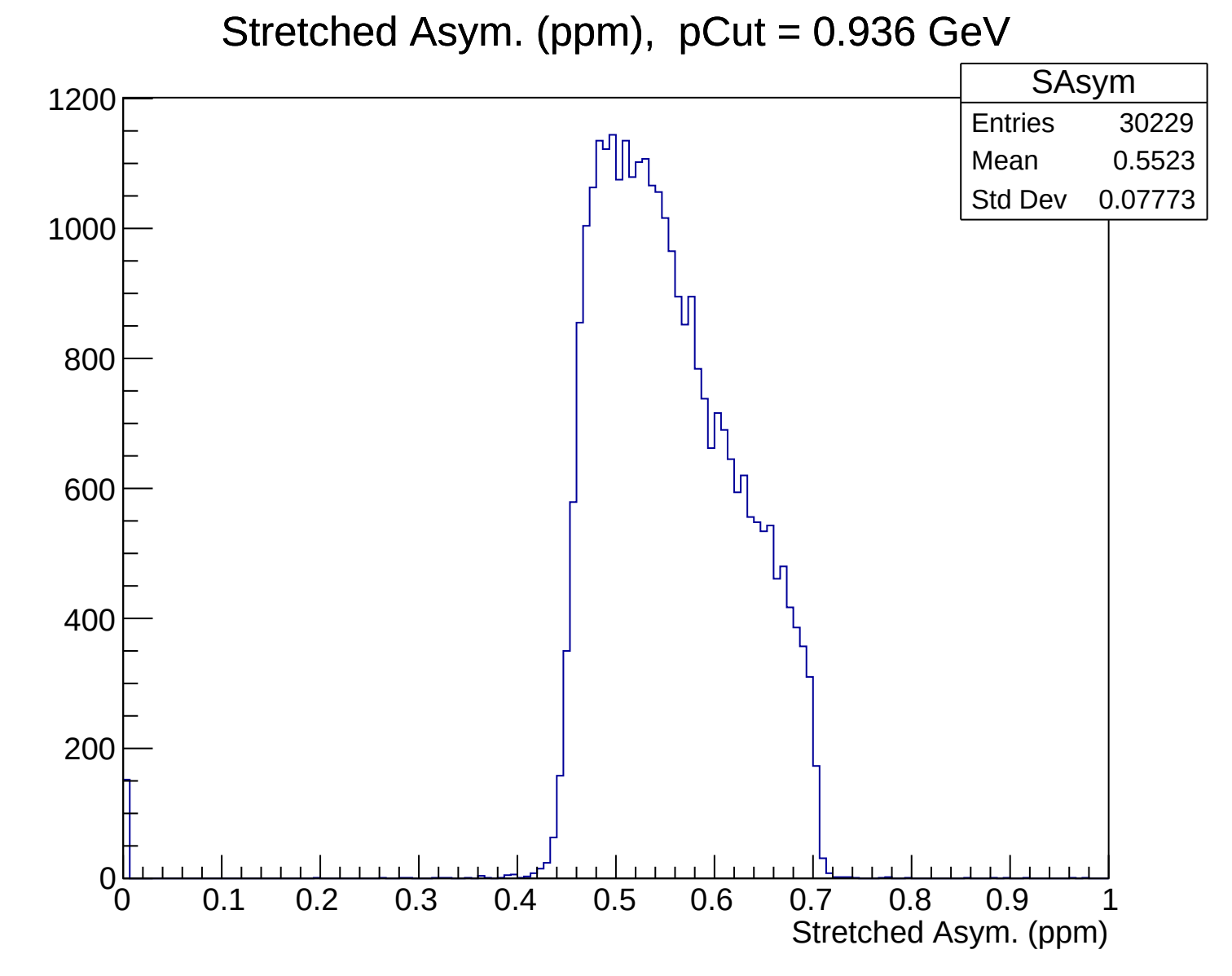


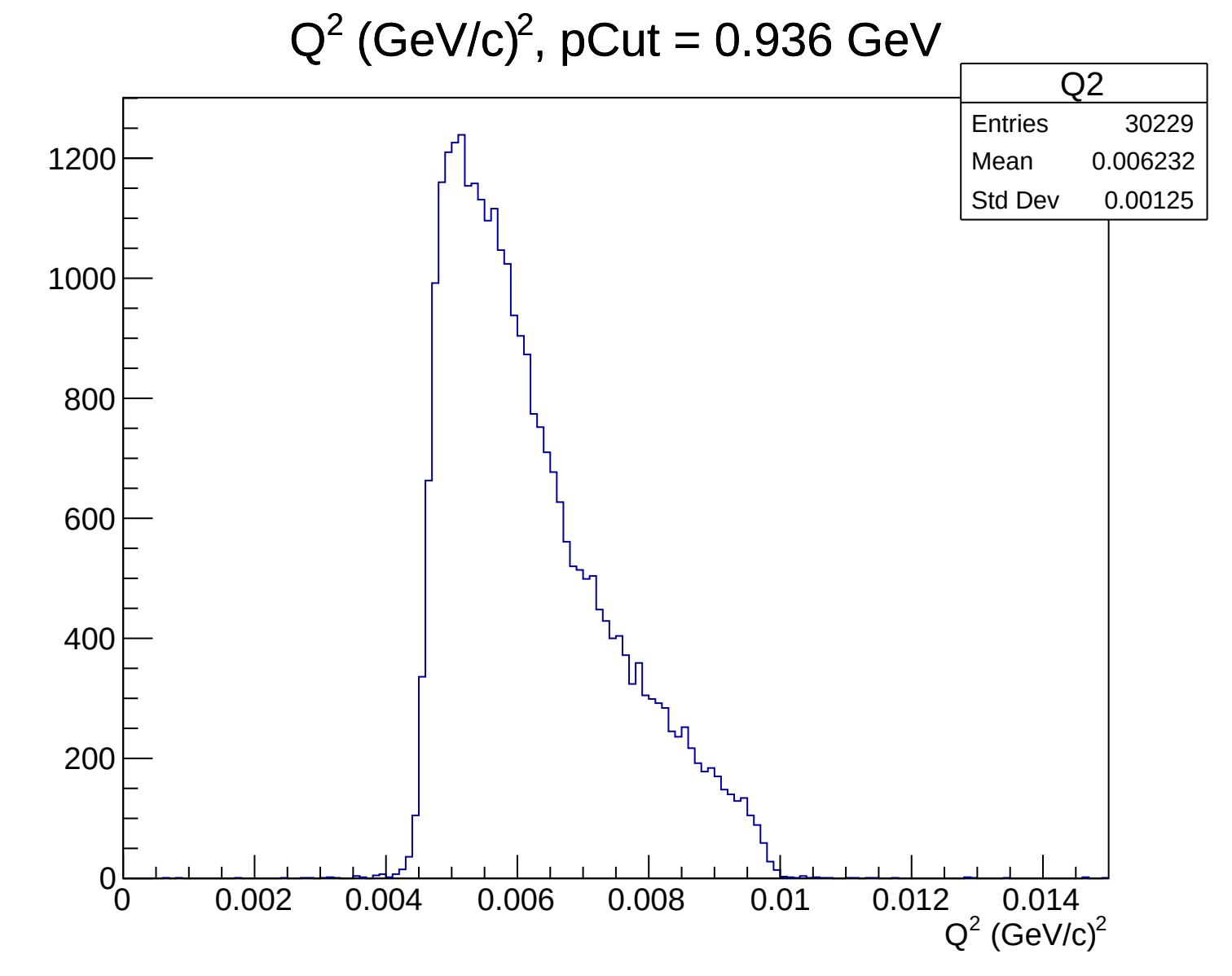
LHRS momentum run2316

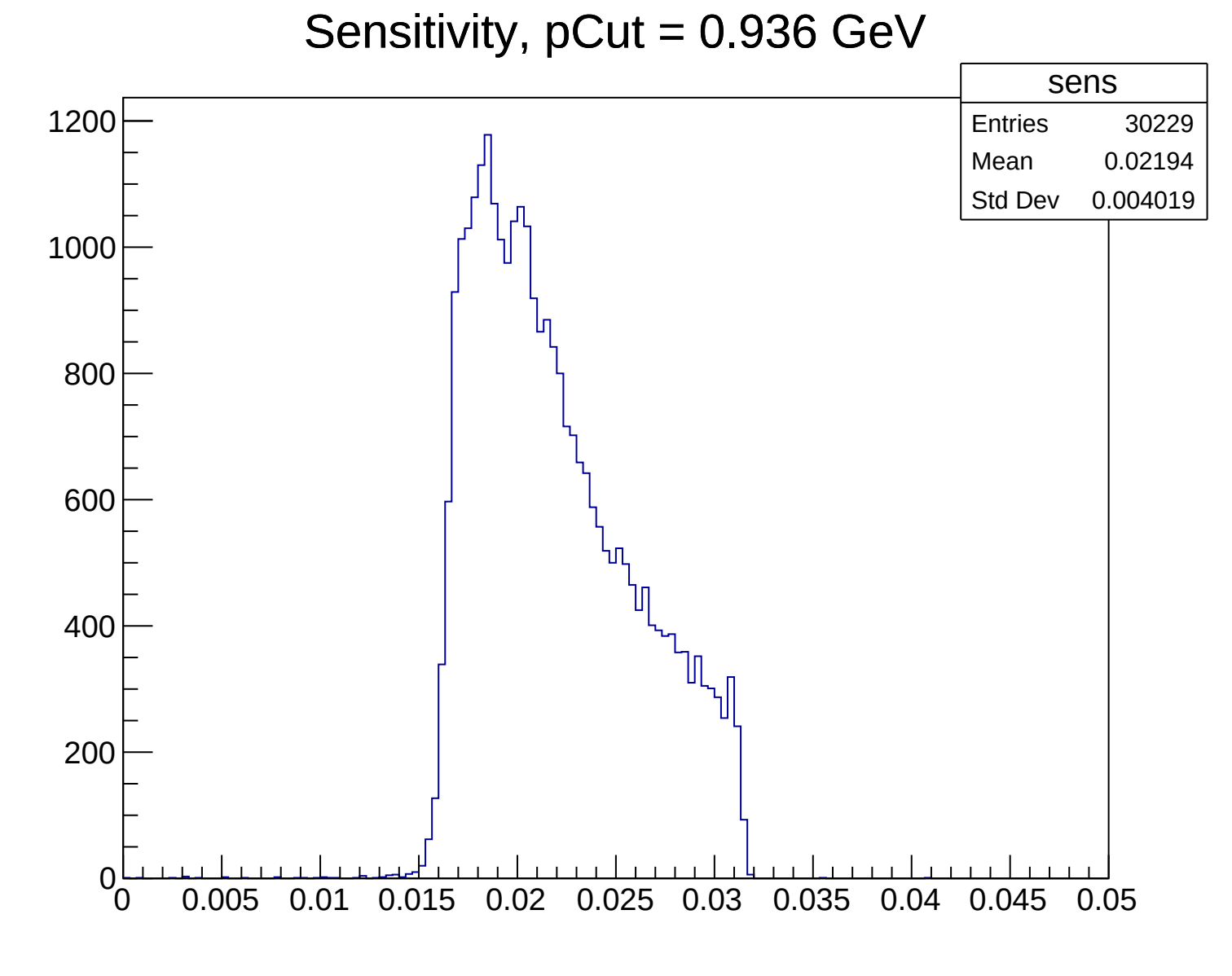



θlab (deg), pCut = 0.936 GeV
Theta
Entries 30229
Mean 4.747
Std Dev 0.4656
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

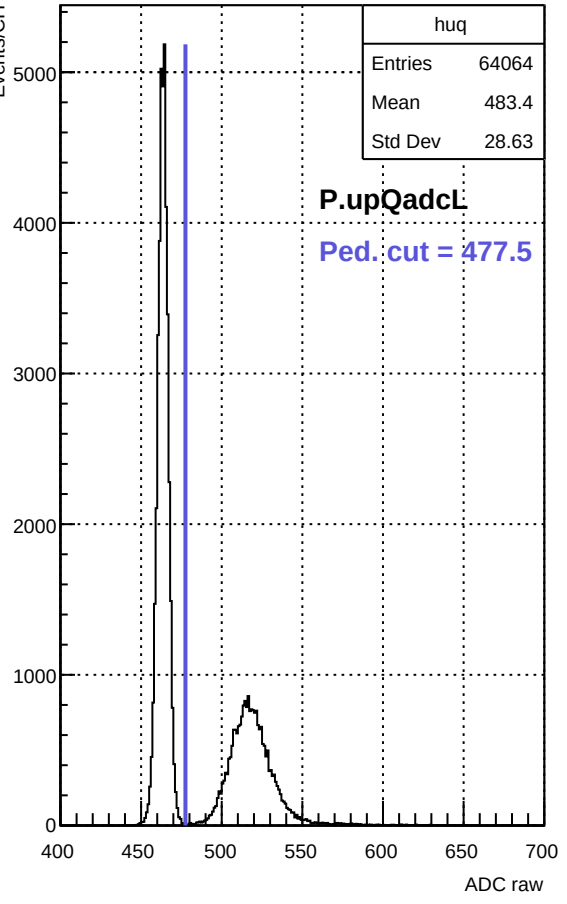

Asymmetry (ppm), pCut = 0.936 GeV
Asym
Entries 30229
Mean 0.565
Std Dev 0.08158
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.936 GeV
SAsym
Entries 30229
Mean 0.5523
Std Dev 0.07773
1200
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

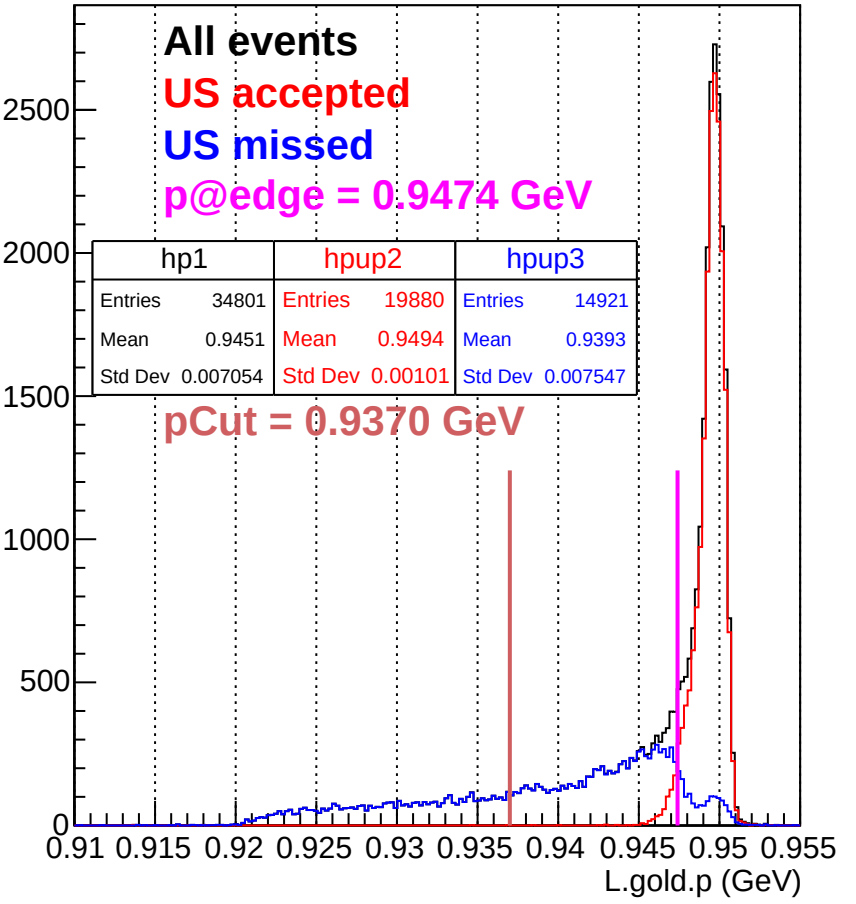

Q^2 (GeV/c)^2, pCut = 0.936 GeV
Q2
Entries 30229
Mean 0.006232
Std Dev 0.00125
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

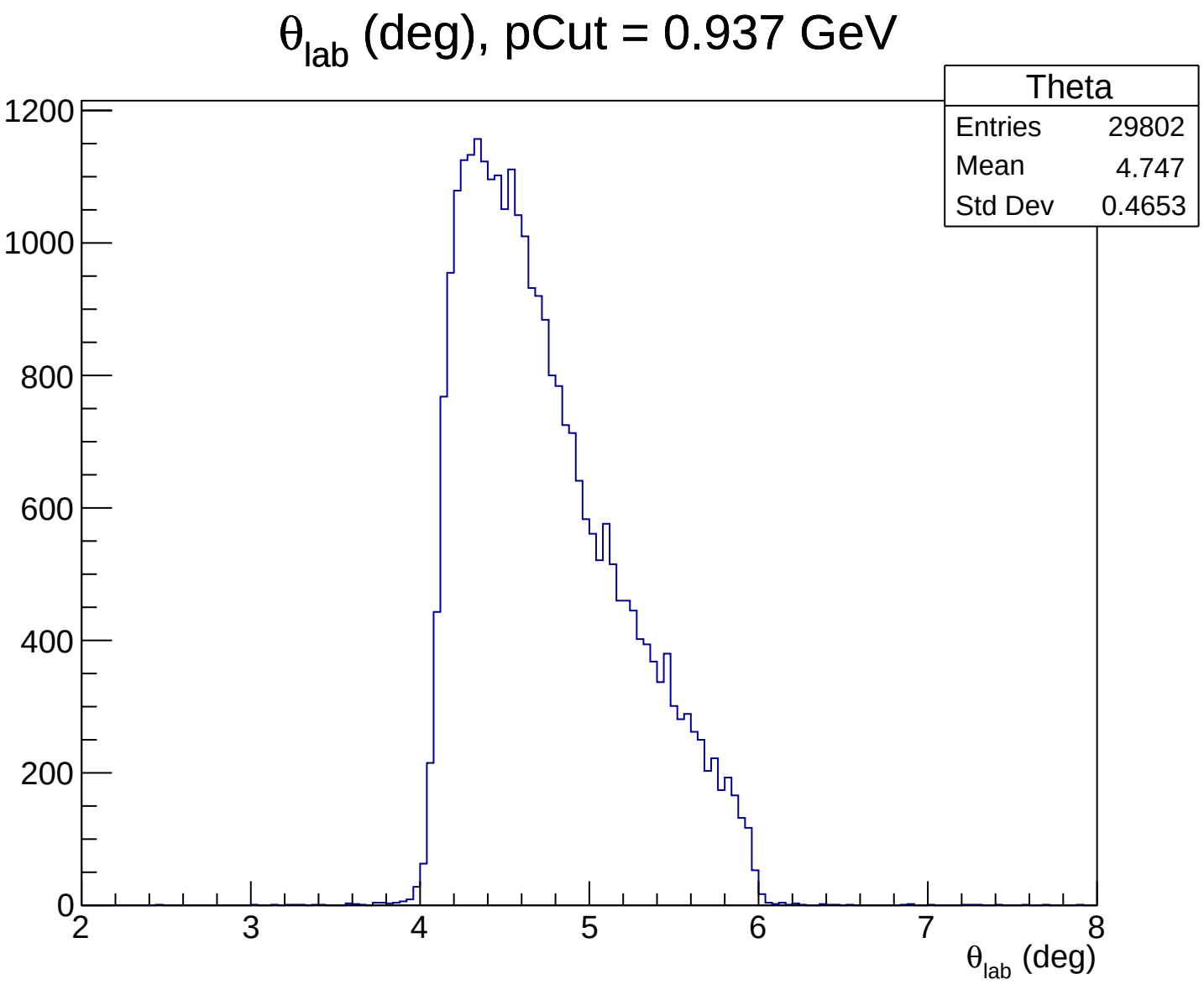

Sensitivity, pCut = 0.936 GeV
sens
Entries 30229
Mean 0.02194
Std Dev 0.004019
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

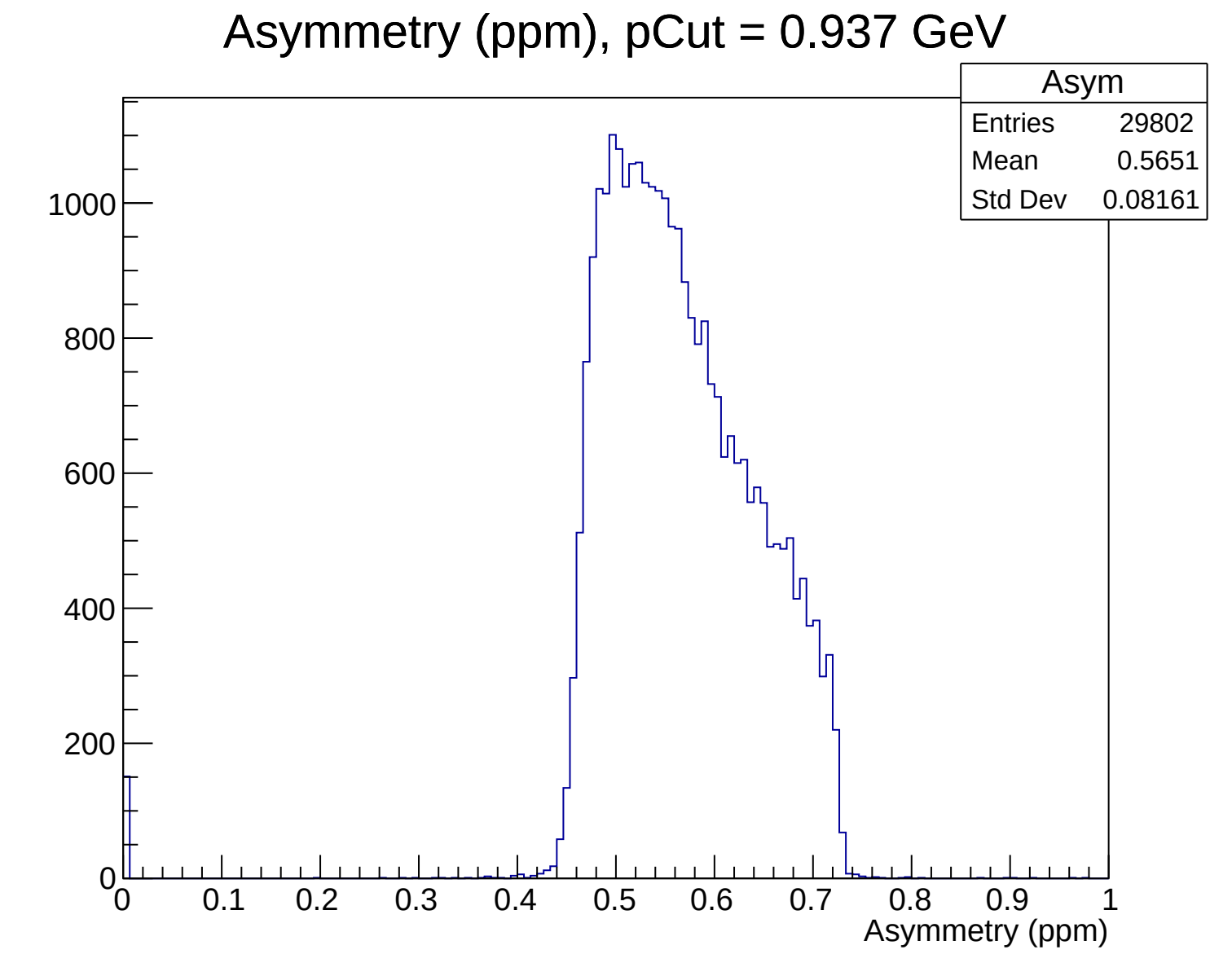
ADC raw (run2316, detZ = 1.3 m)

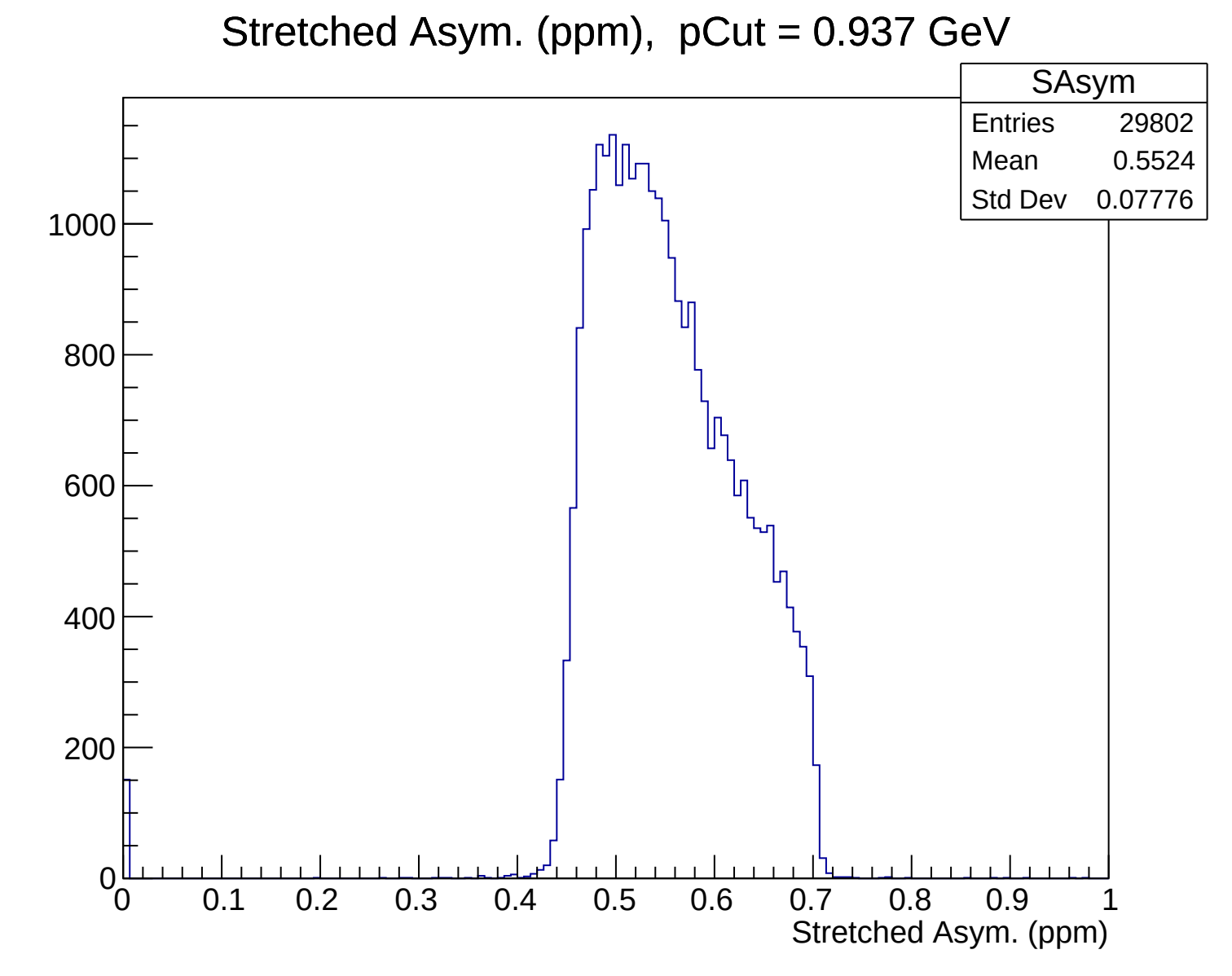


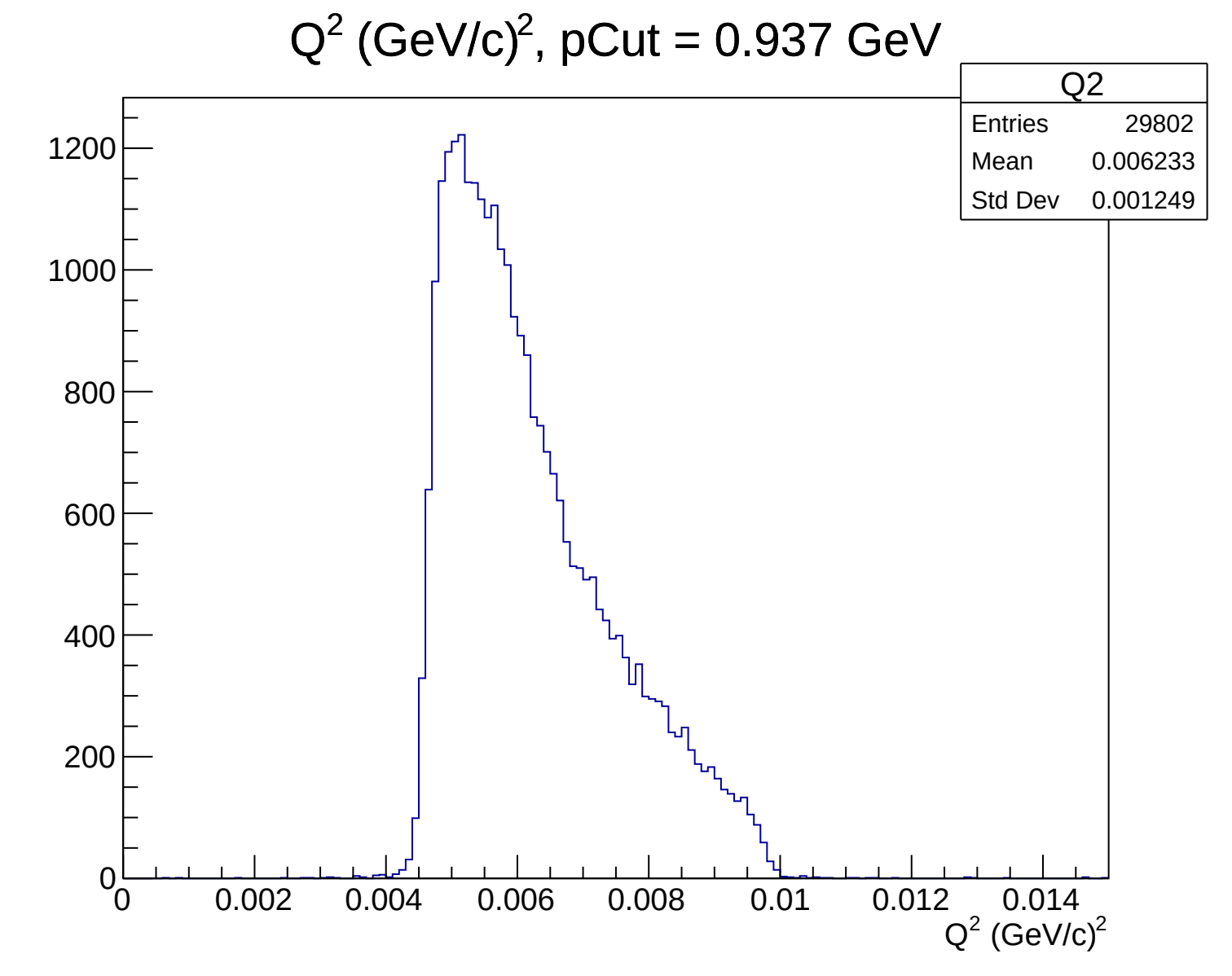
LHRS momentum run2316

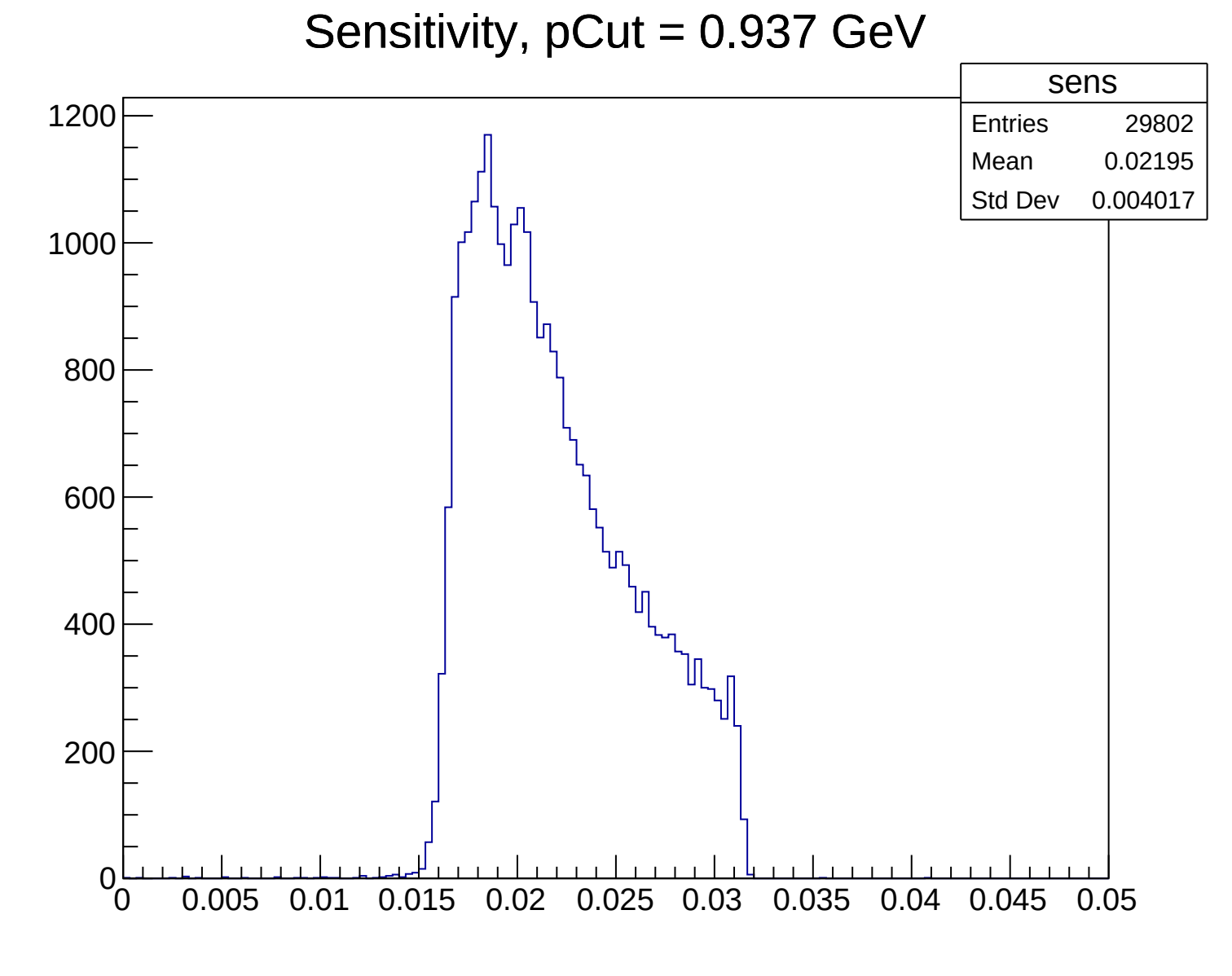



θlab (deg), pCut = 0.937 GeV
Theta
Entries 29802
Mean 4.747
Std Dev 0.4653
1200
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

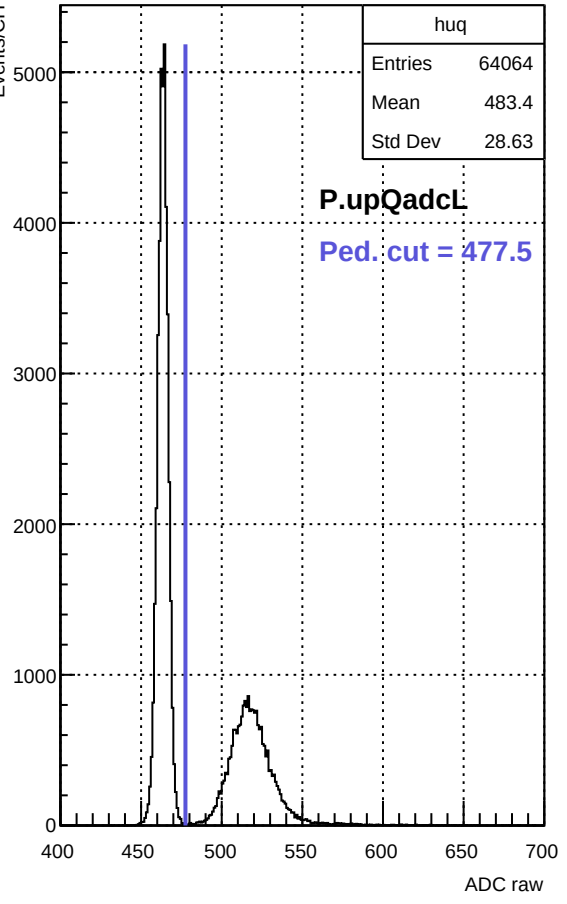

Asymmetry (ppm), pCut = 0.937 GeV
Asym
Entries 29802
Mean 0.5651
Std Dev 0.08161
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.937 GeV
SAsym
Entries 29802
Mean 0.5524
Std Dev 0.07776
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

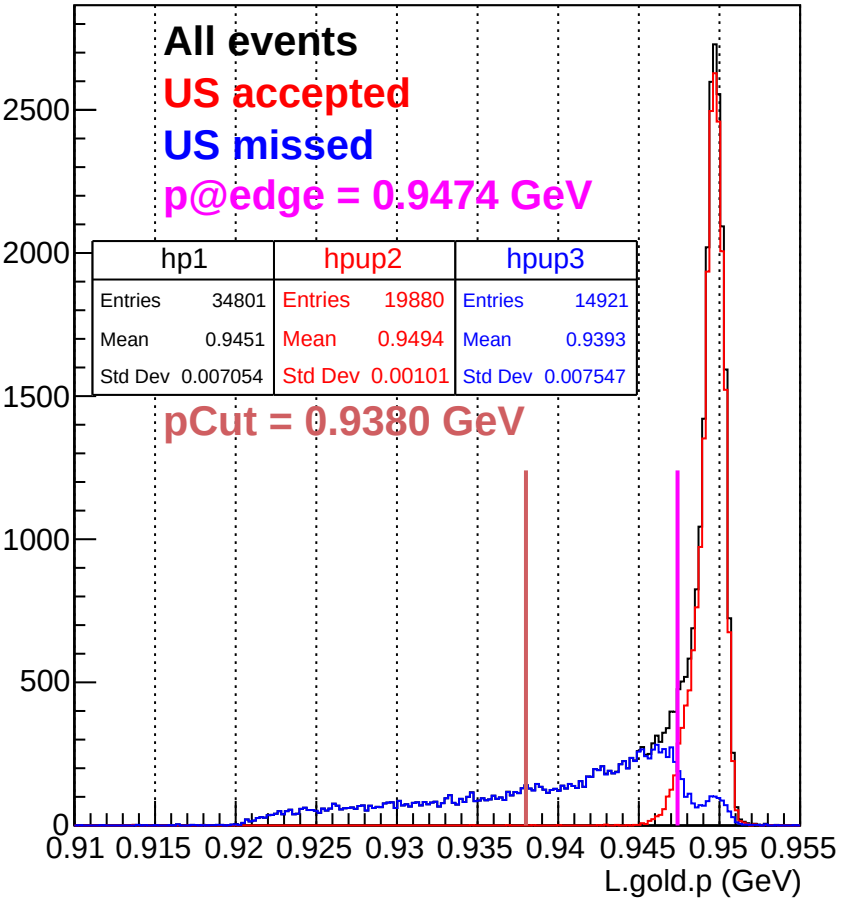

Q^2 (GeV/c)^2, pCut = 0.937 GeV
Q2
Entries 29802
Mean 0.006233
Std Dev 0.001249
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

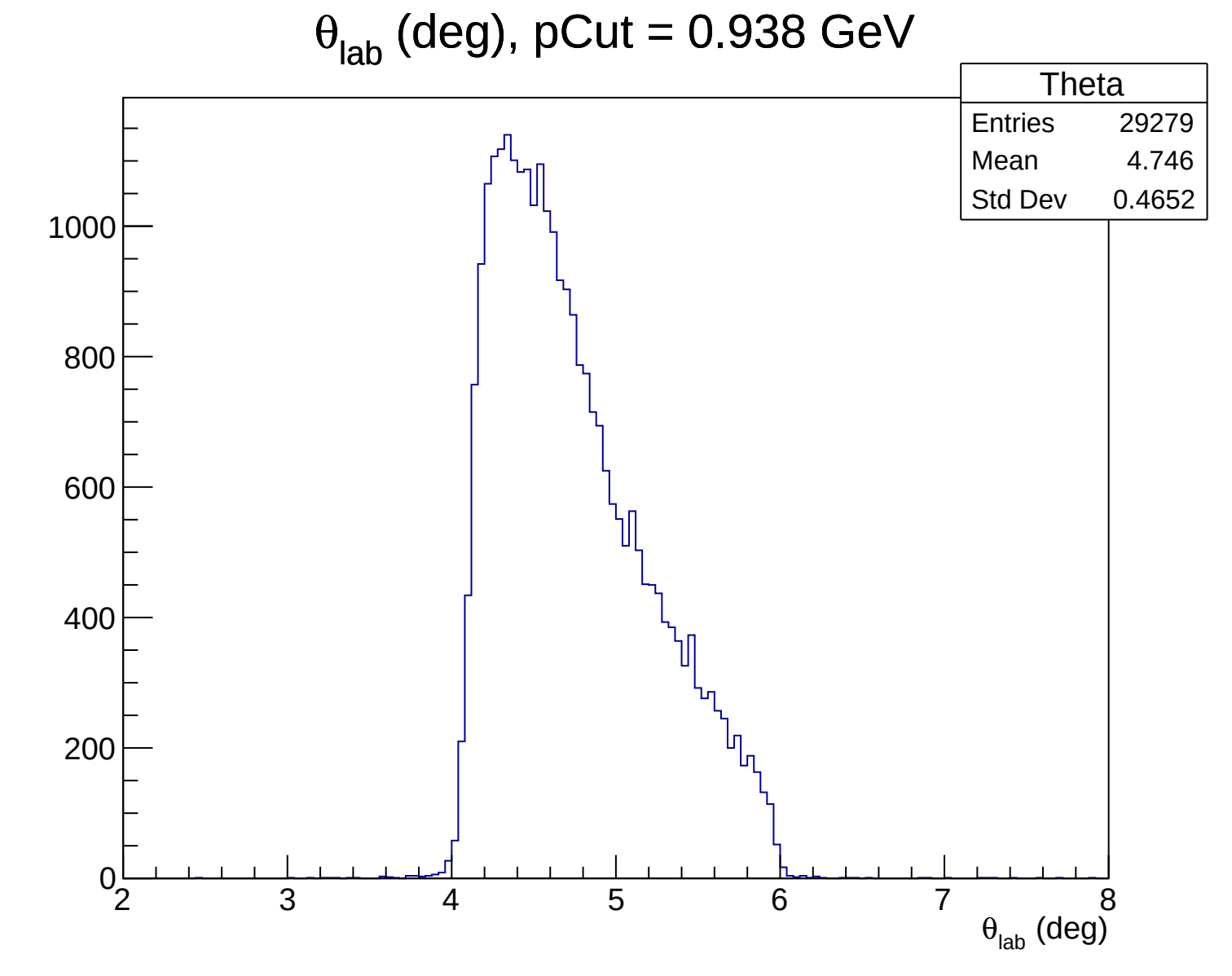

Sensitivity, pCut = 0.937 GeV
sens
Entries 29802
Mean 0.02195
Std Dev 0.004017
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

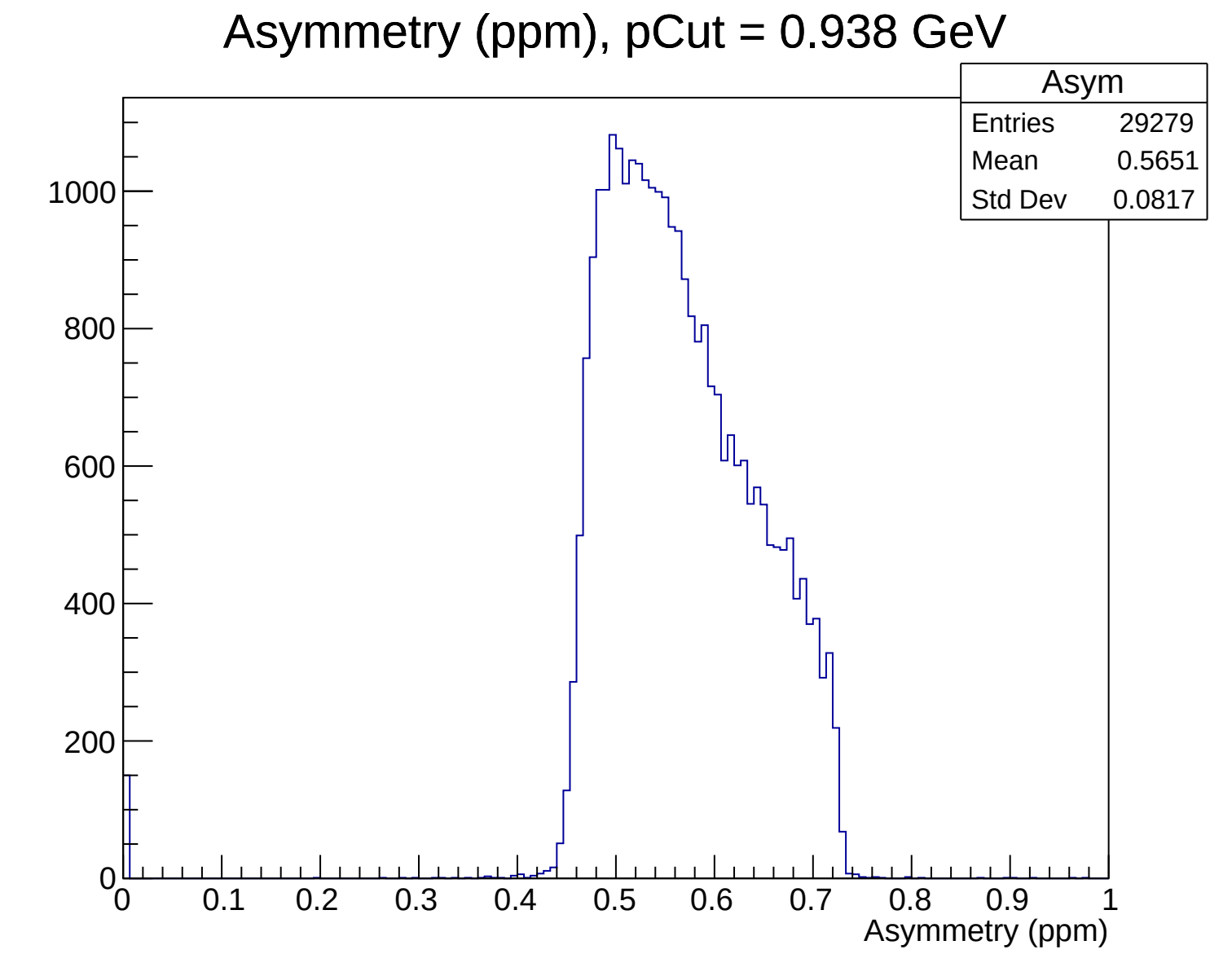
ADC raw (run2316, detZ = 1.3 m)

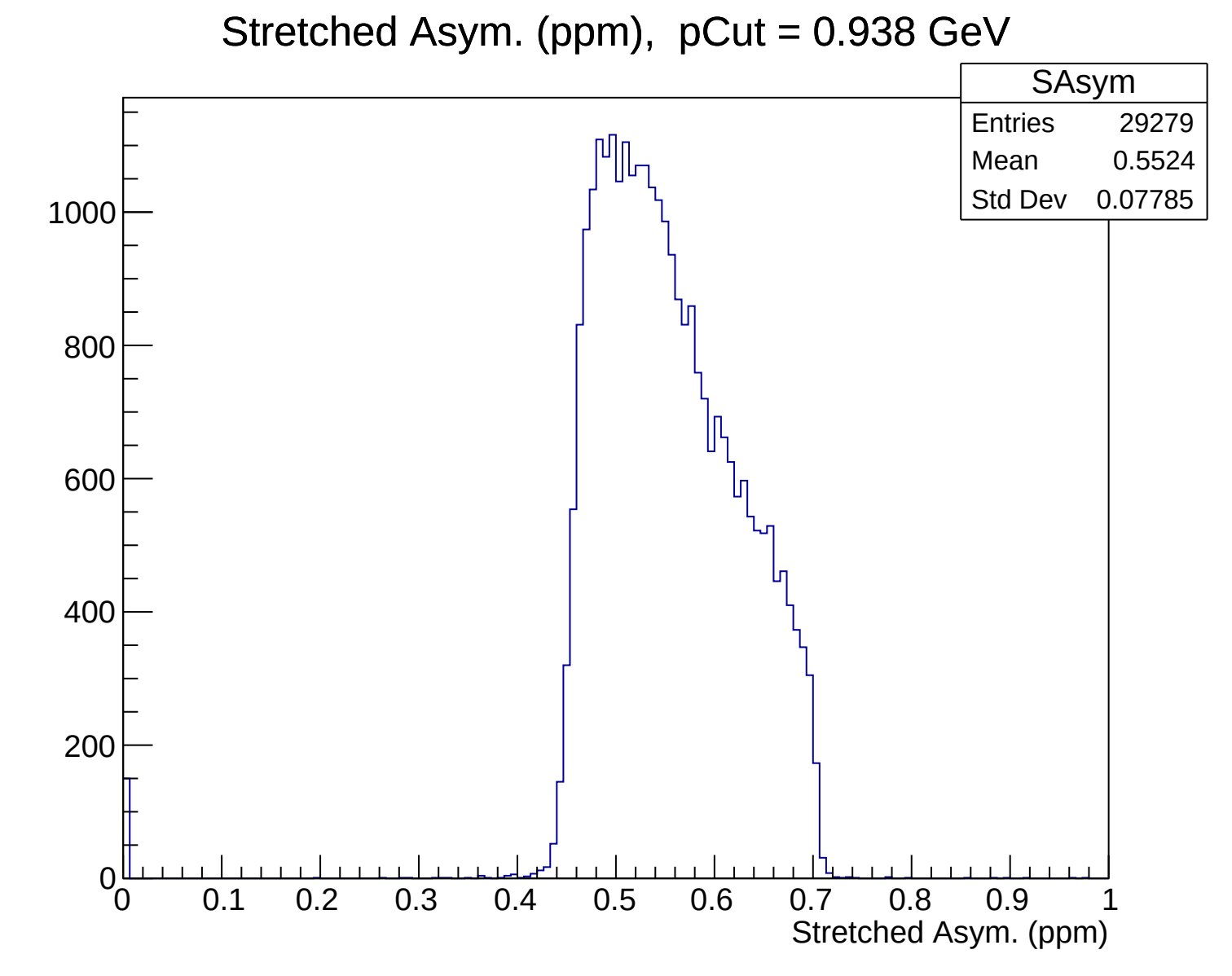


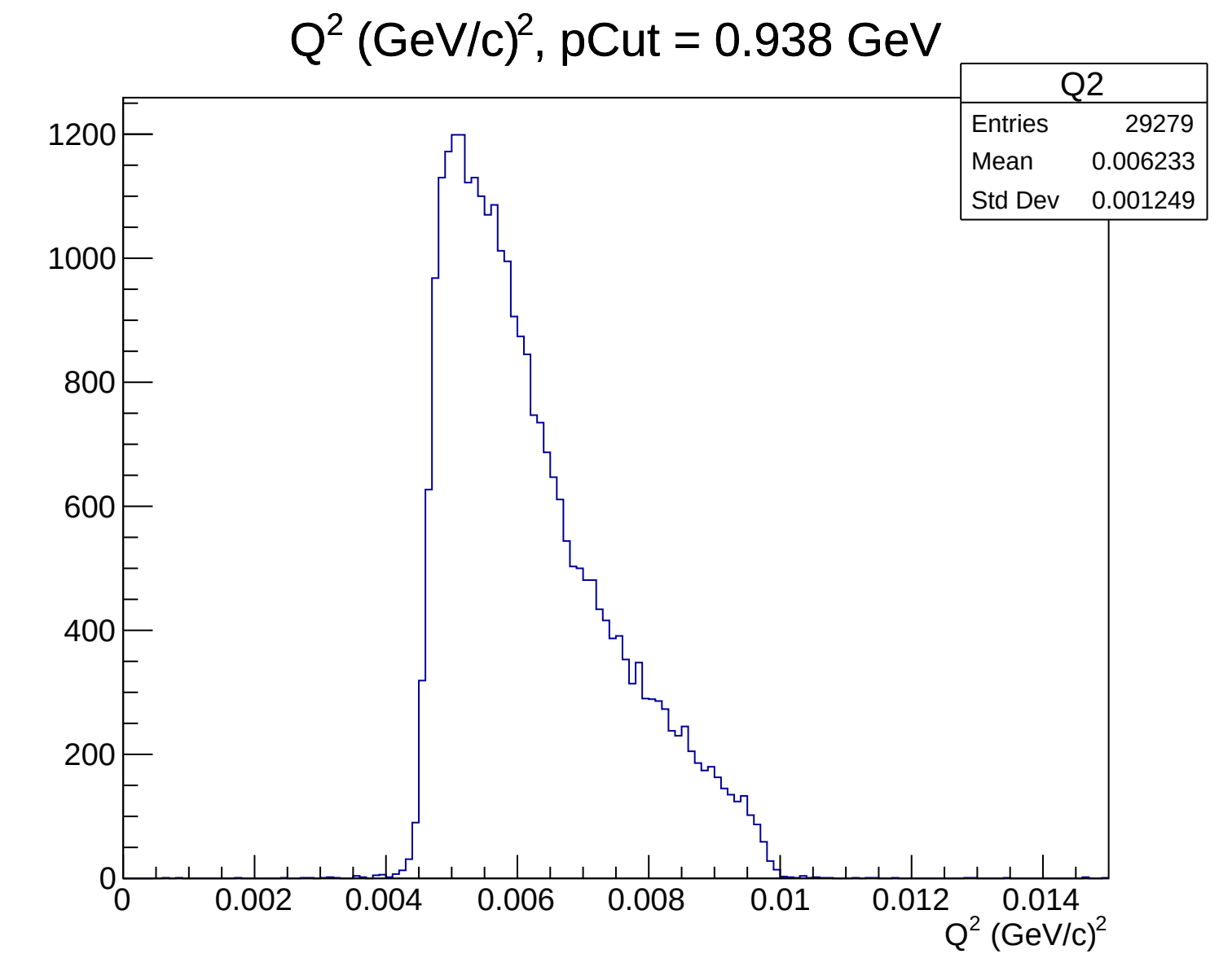
LHRS momentum run2316

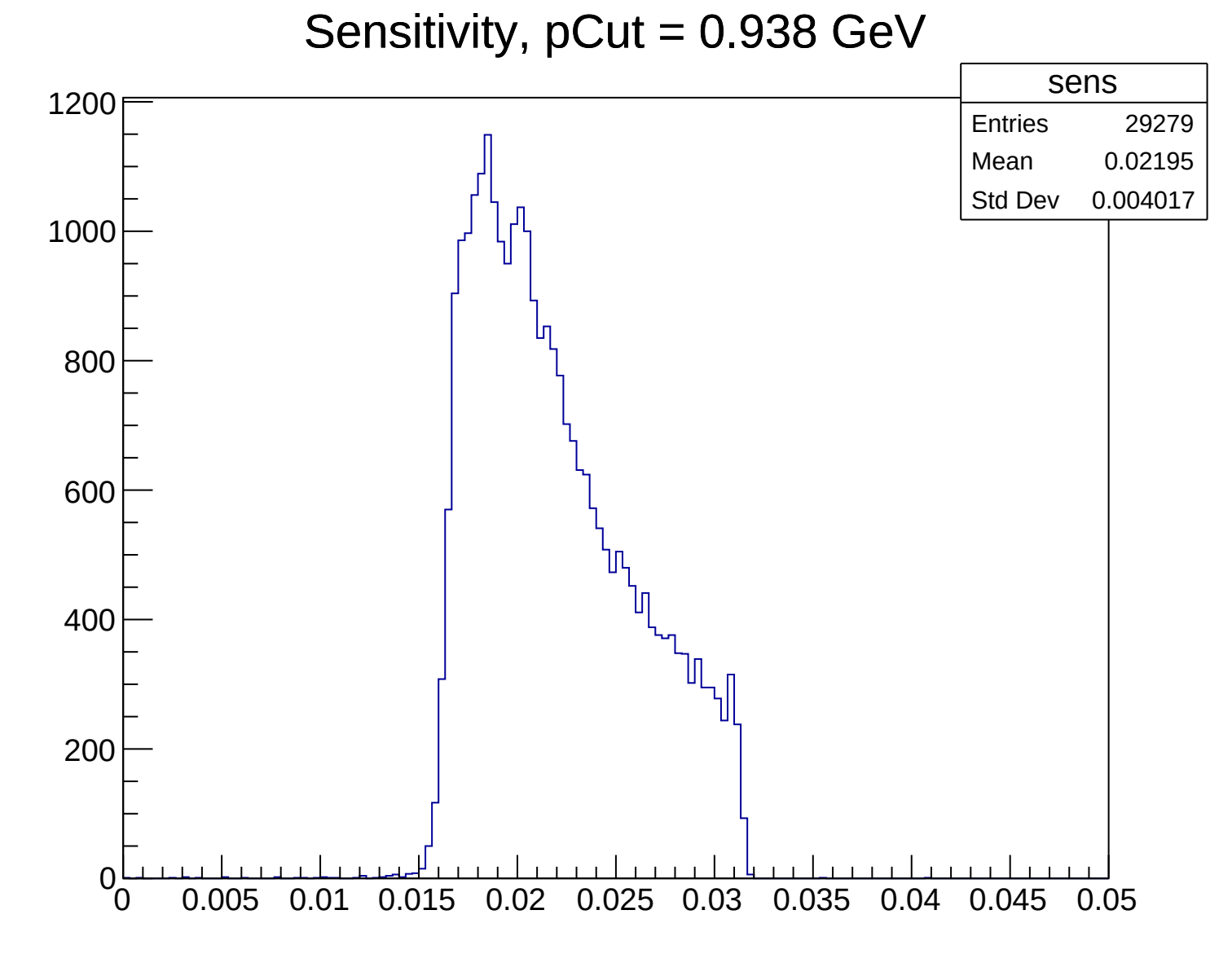



θlab (deg), pCut = 0.938 GeV
Theta
Entries 29279
Mean 4.746
Std Dev 0.4652
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

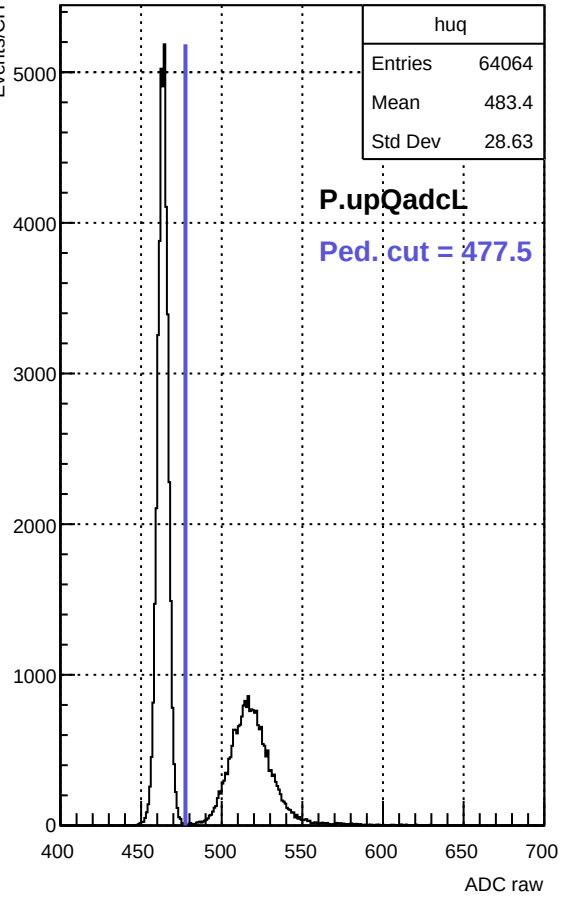

Asymmetry (ppm), pCut = 0.938 GeV
Asym
Entries 29279
Mean 0.5651
Std Dev 0.0817
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.938 GeV
SAsym
Entries 29279
Mean 0.5524
Std Dev 0.07785
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

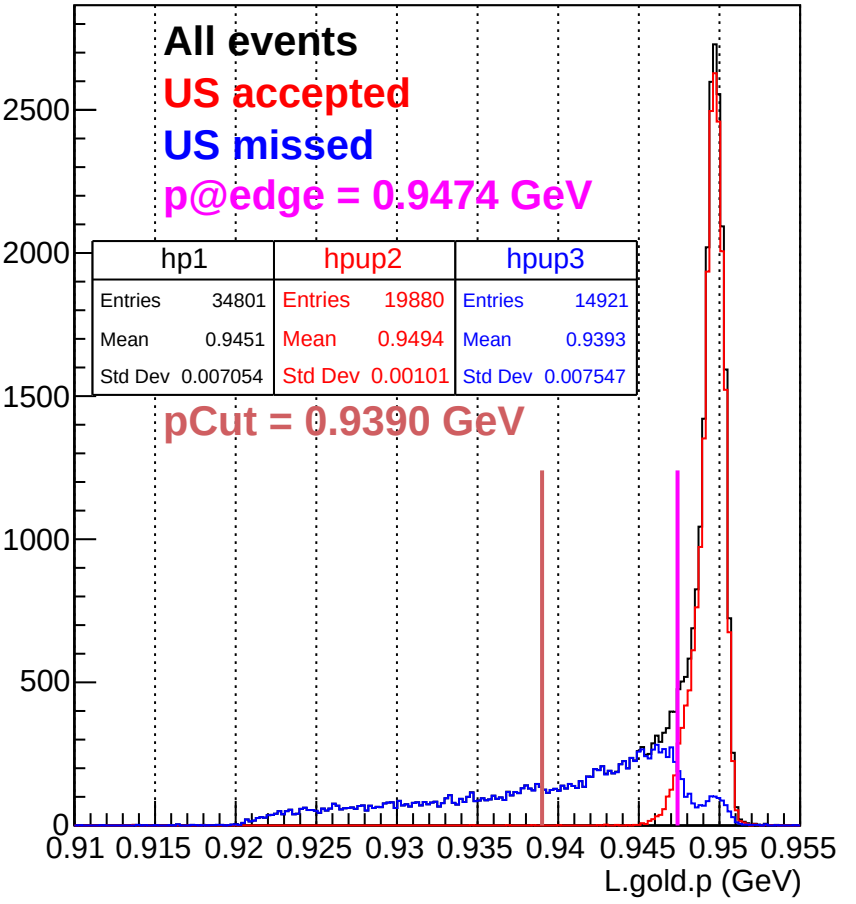

Q^2 (GeV/c)^2, pCut = 0.938 GeV
Q2
Entries 29279
Mean 0.006233
Std Dev 0.001249
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

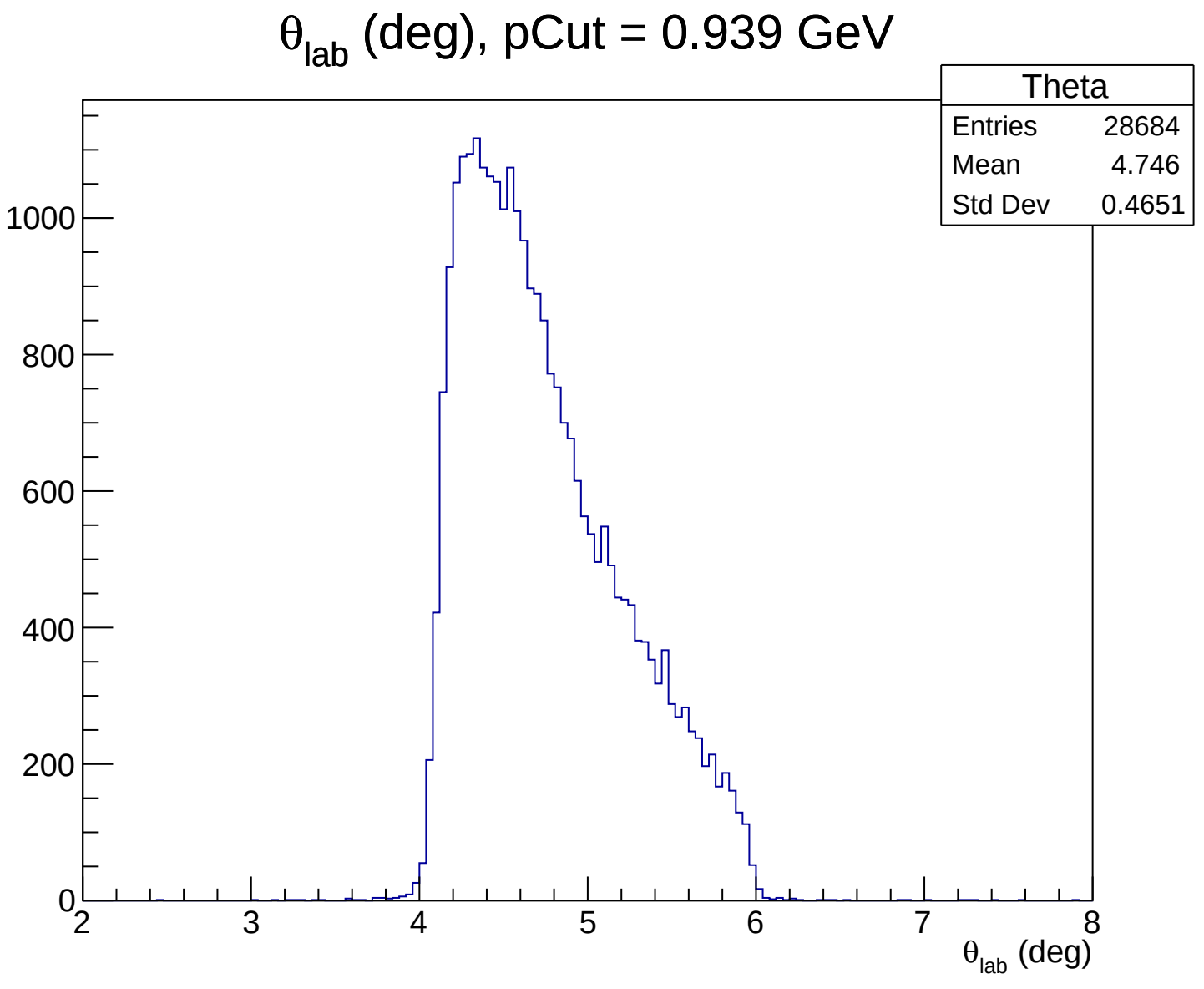

Sensitivity, pCut = 0.938 GeV
sens
Entries 29279
Mean 0.02195
Std Dev 0.004017
1200
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

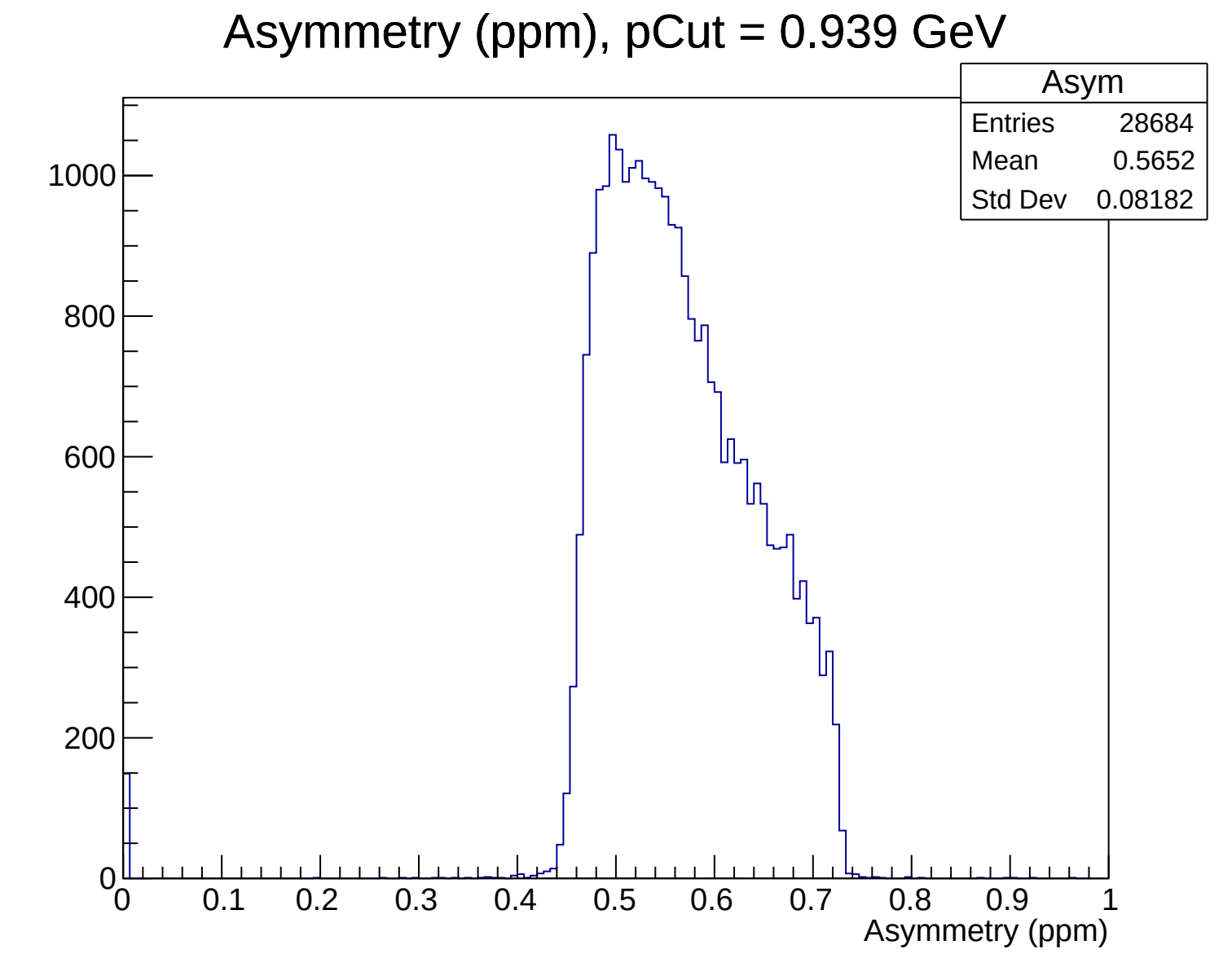
ADC raw (run2316, detZ = 1.3 m)

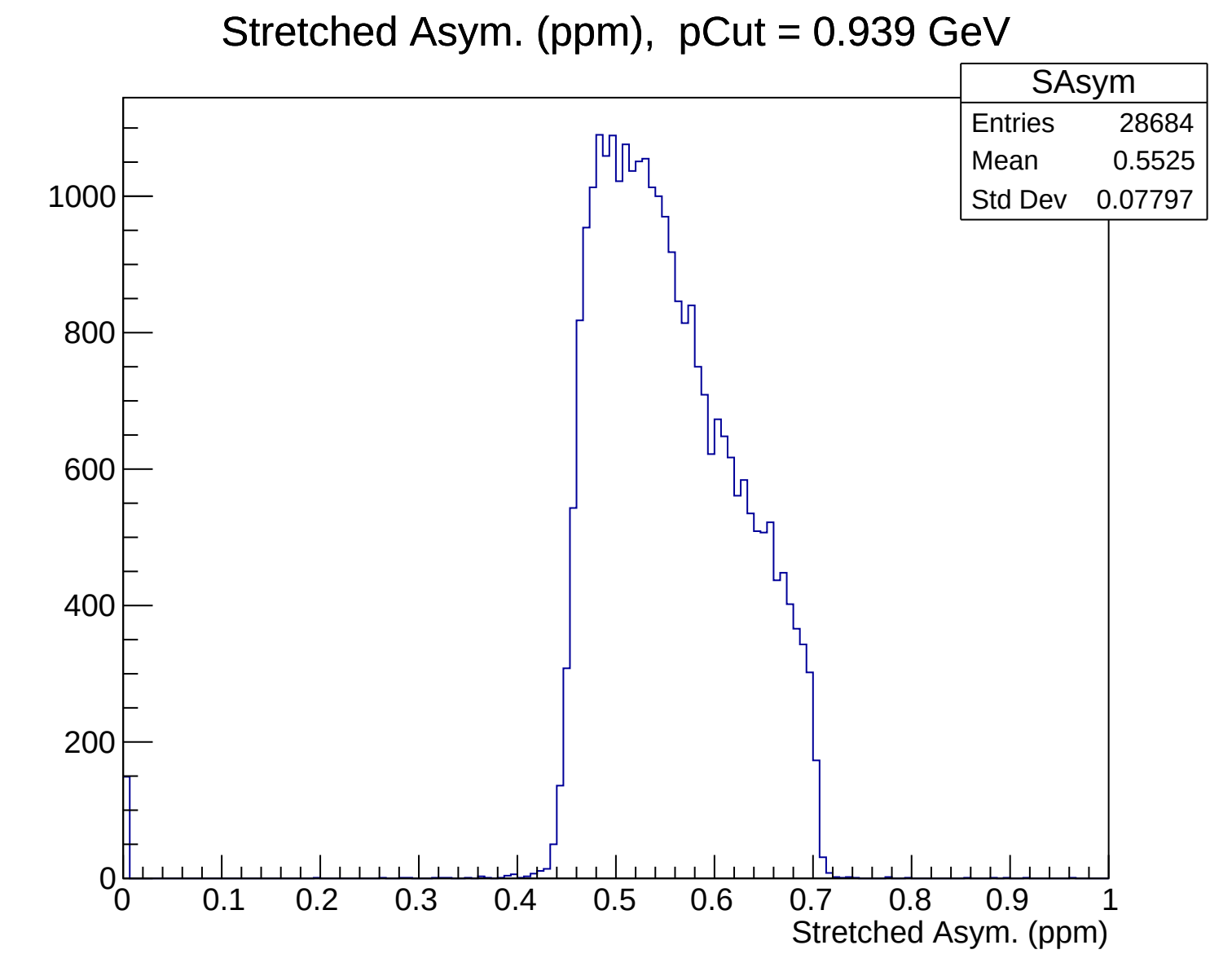


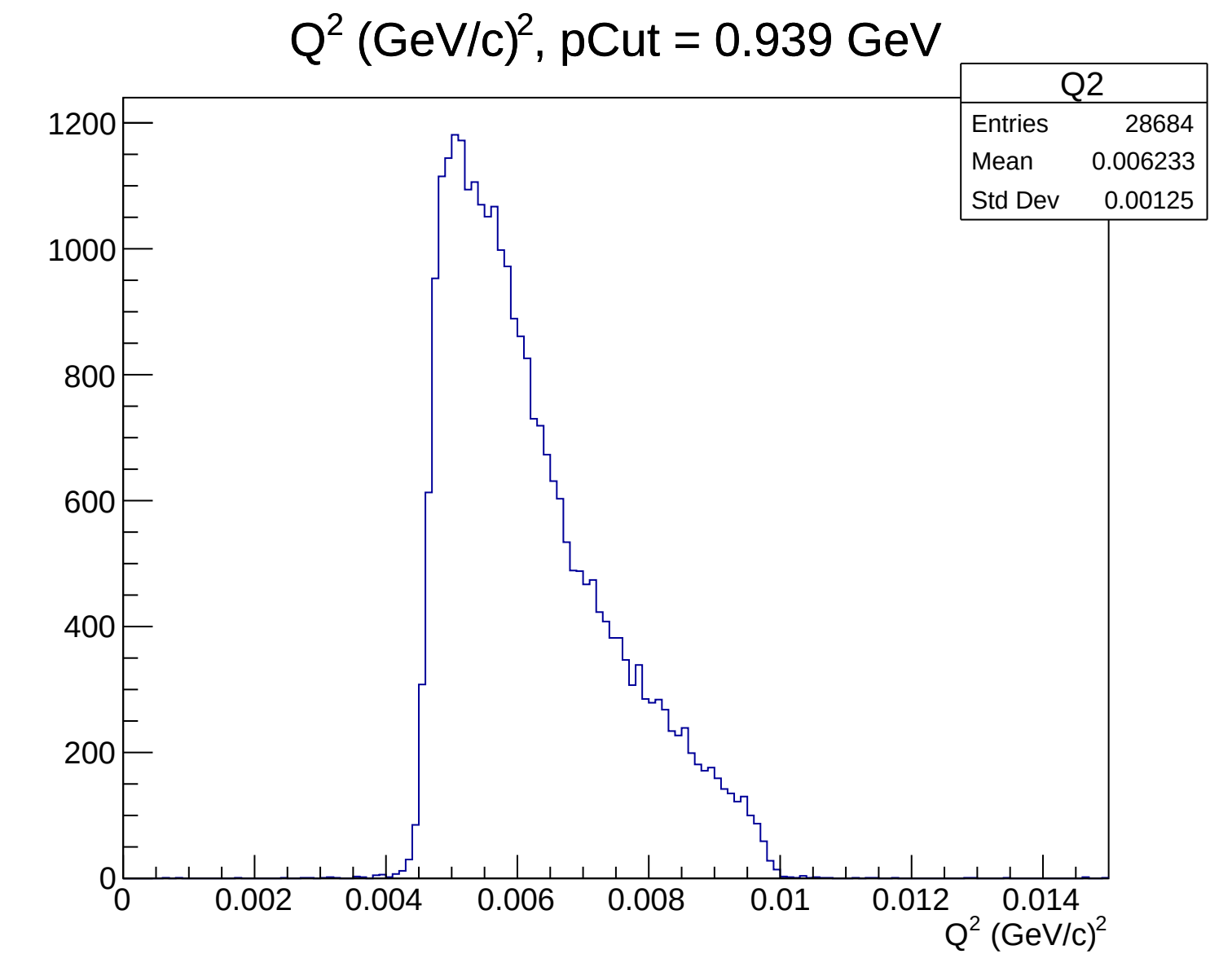
LHRS momentum run2316

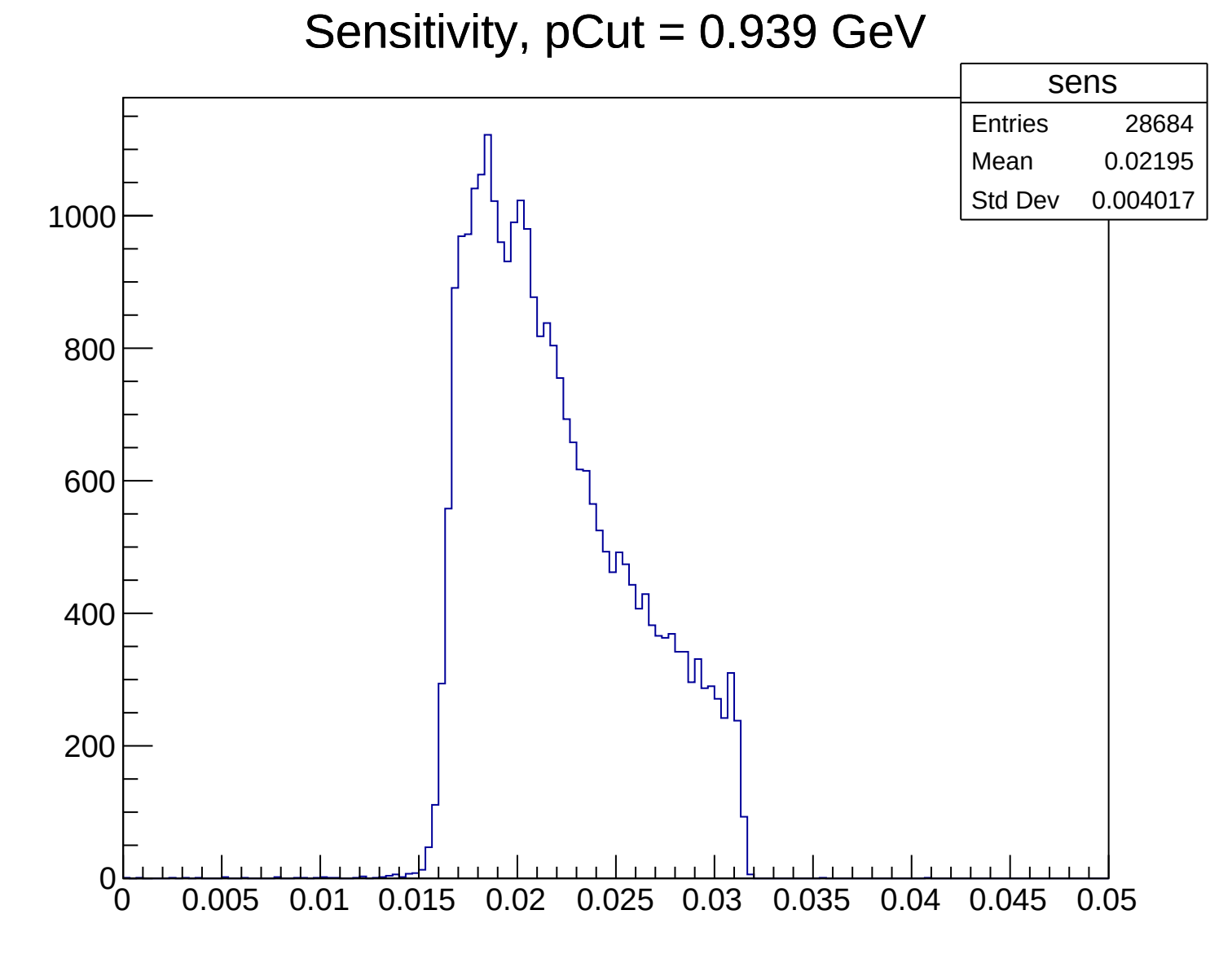



θlab (deg), pCut = 0.939 GeV
Theta
Entries 28684
Mean 4.746
Std Dev 0.4651
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

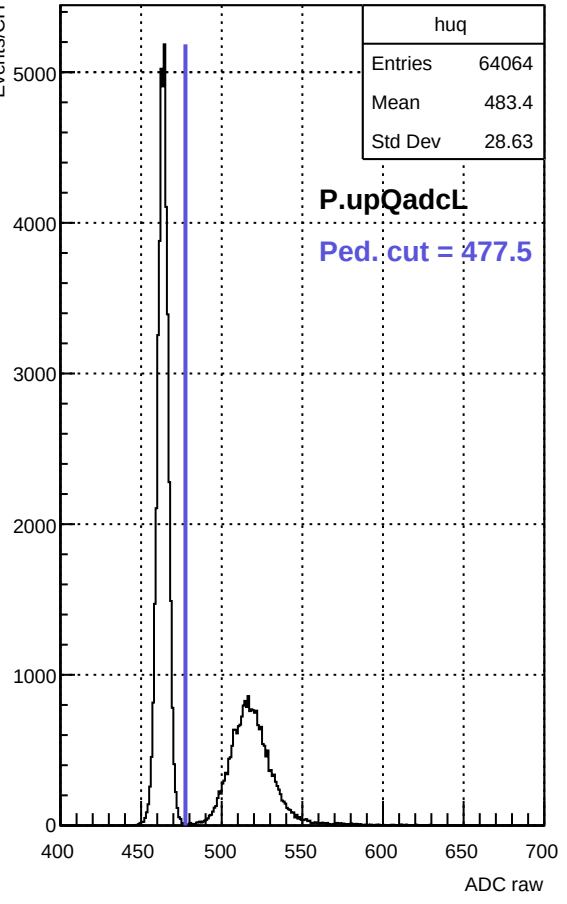

Asymmetry (ppm), pCut = 0.939 GeV
Asym
Entries 28684
Mean 0.5652
Std Dev 0.08182
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.939 GeV
SAsym
Entries 28684
Mean 0.5525
Std Dev 0.07797
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

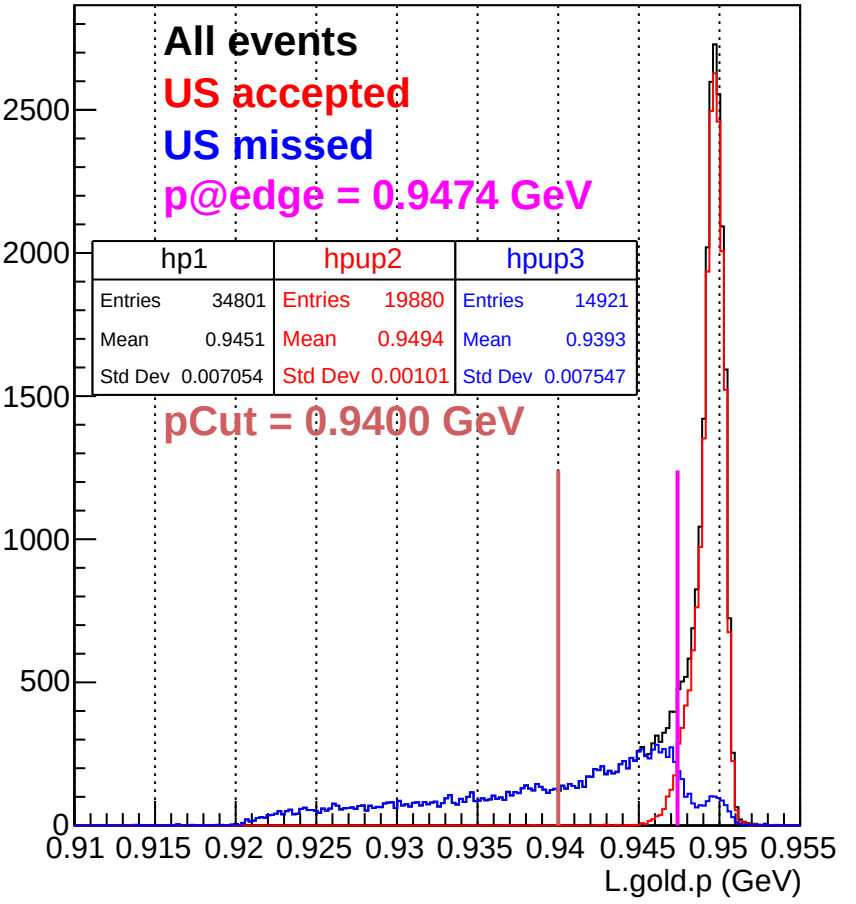

Q^2 (GeV/c)^2, pCut = 0.939 GeV
Q2
Entries 28684
Mean 0.006233
Std Dev 0.00125
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

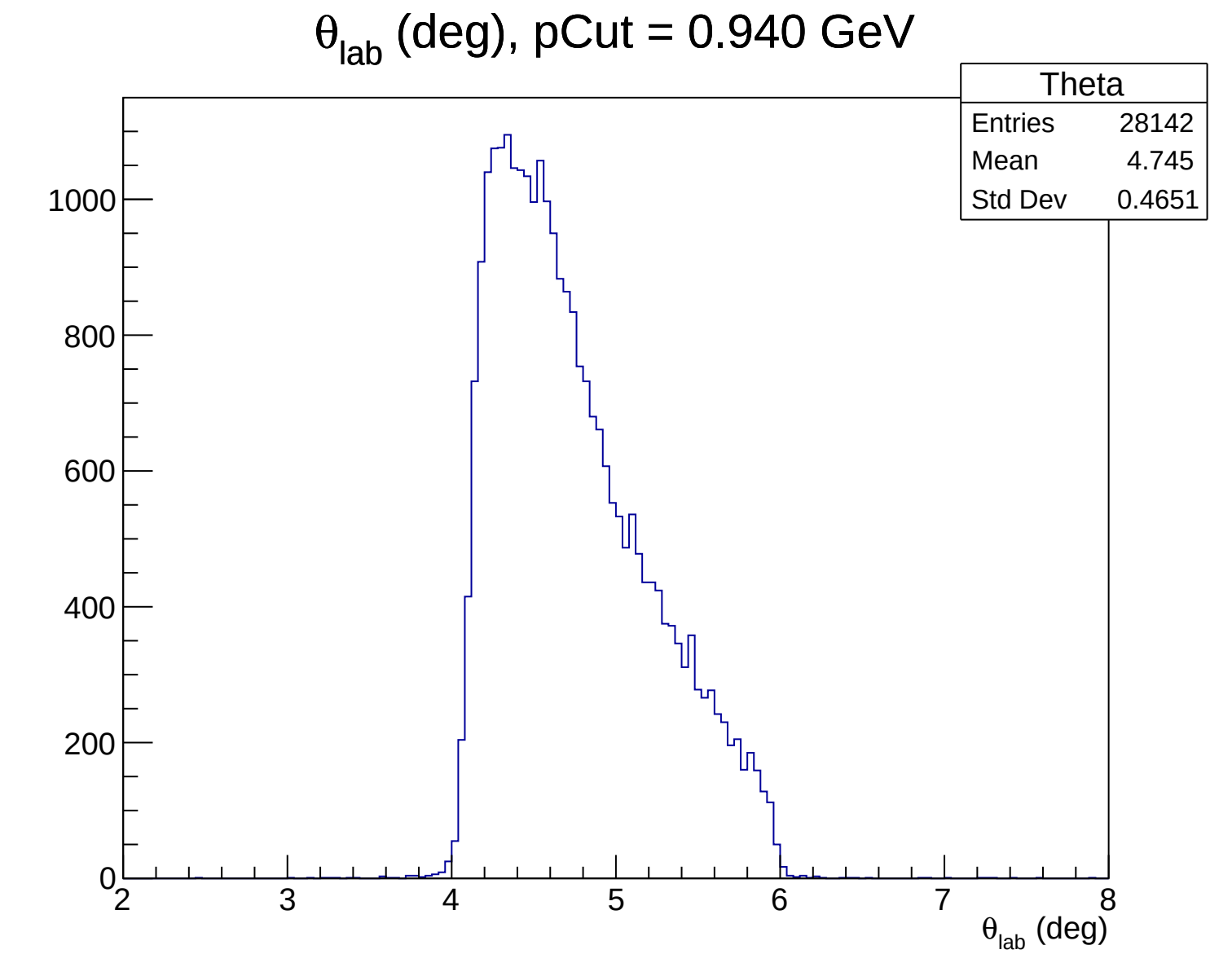

Sensitivity, pCut = 0.939 GeV
sens
Entries 28684
Mean 0.02195
Std Dev 0.004017
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

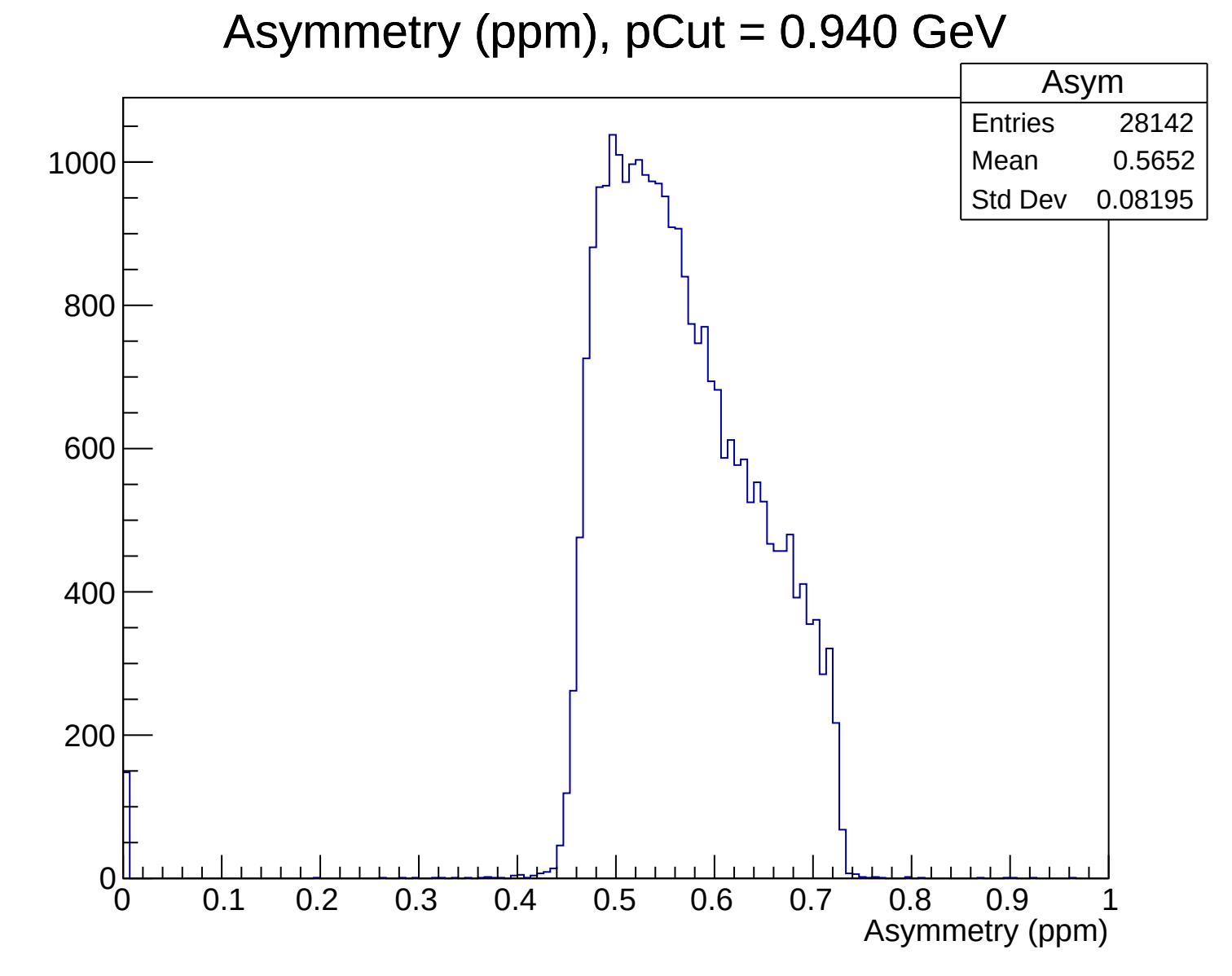
ADC raw (run2316, detZ = 1.3 m)

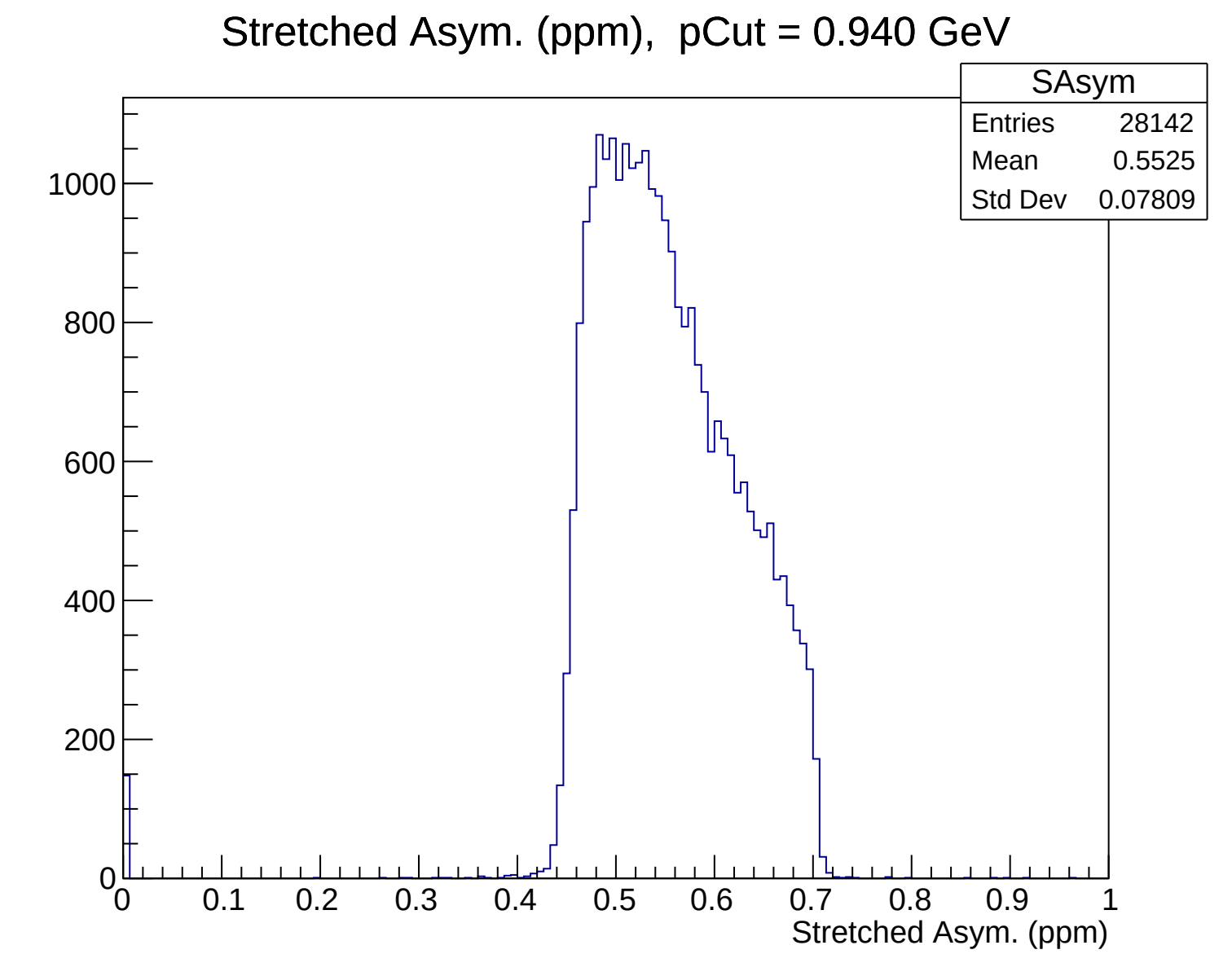


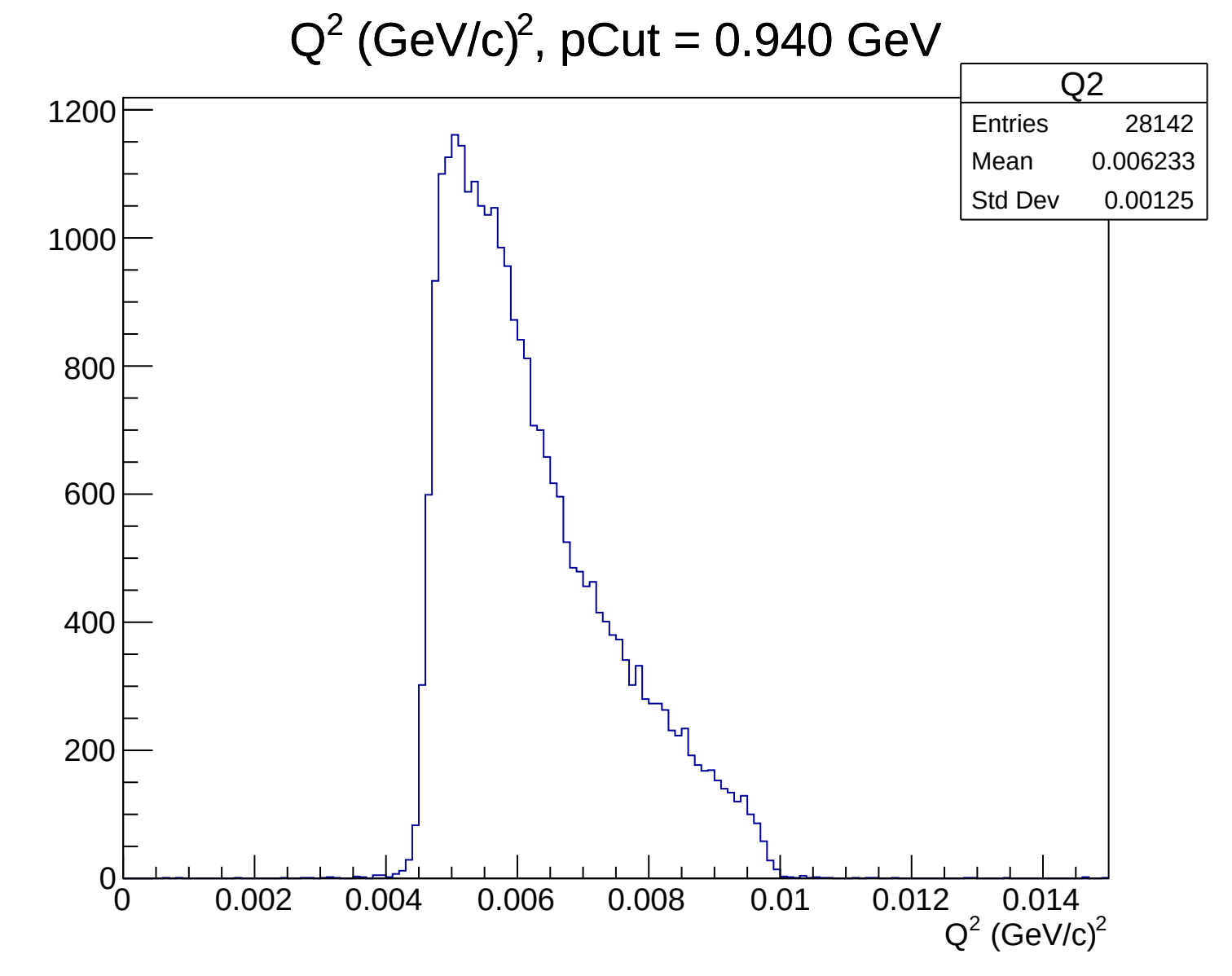
LHRS momentum run2316

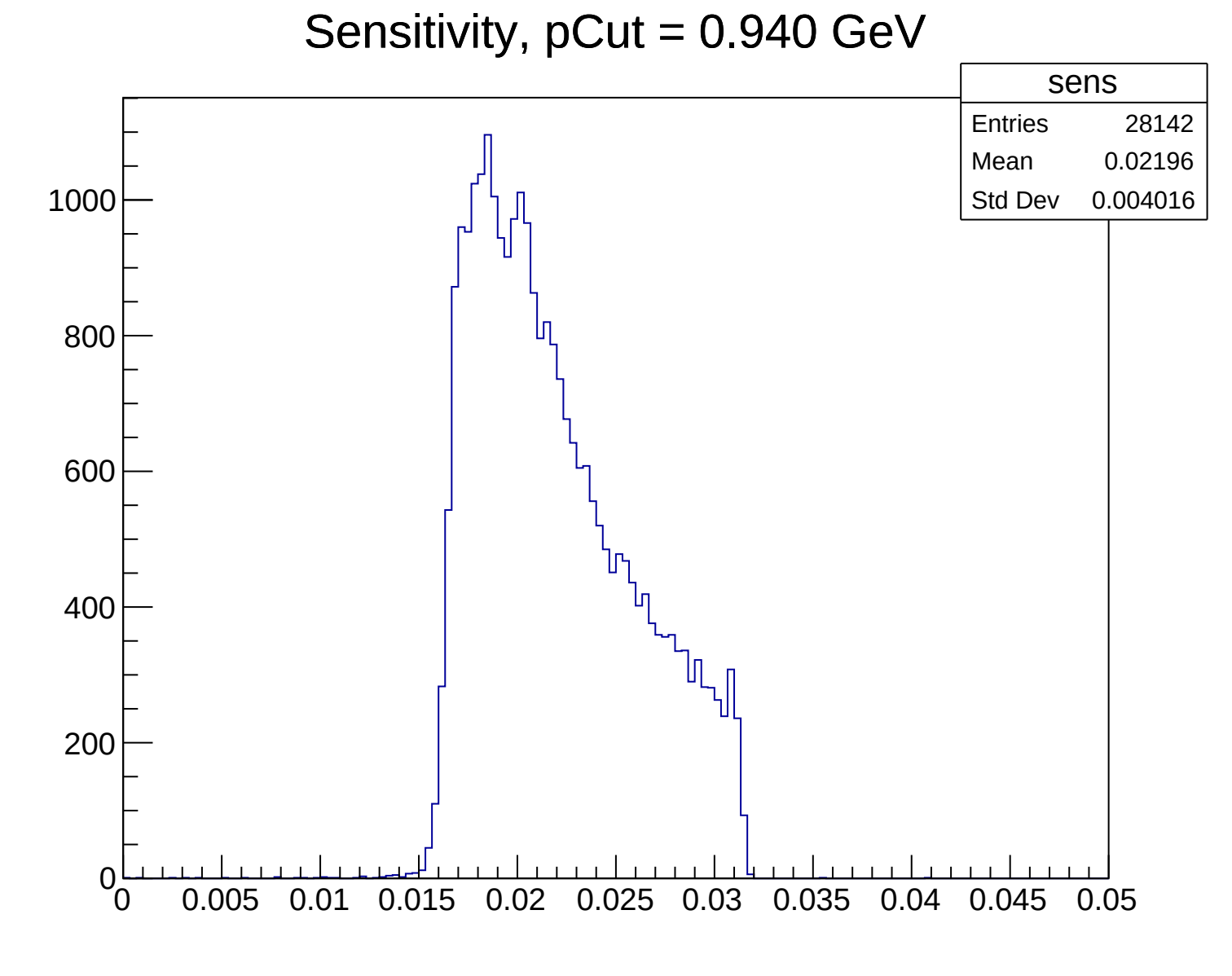



θlab (deg), pCut = 0.940 GeV
Theta
Entries 28142
Mean 4.745
Std Dev 0.4651
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

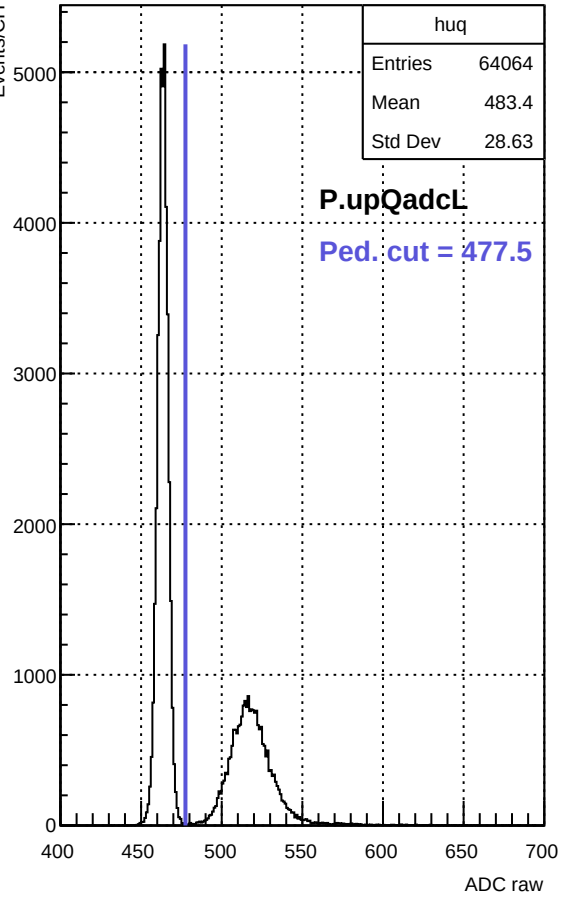

Asymmetry (ppm), pCut = 0.940 GeV
Asym
Entries 28142
Mean 0.5652
Std Dev 0.08195
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.940 GeV
SAsym
Entries 28142
Mean 0.5525
Std Dev 0.07809
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

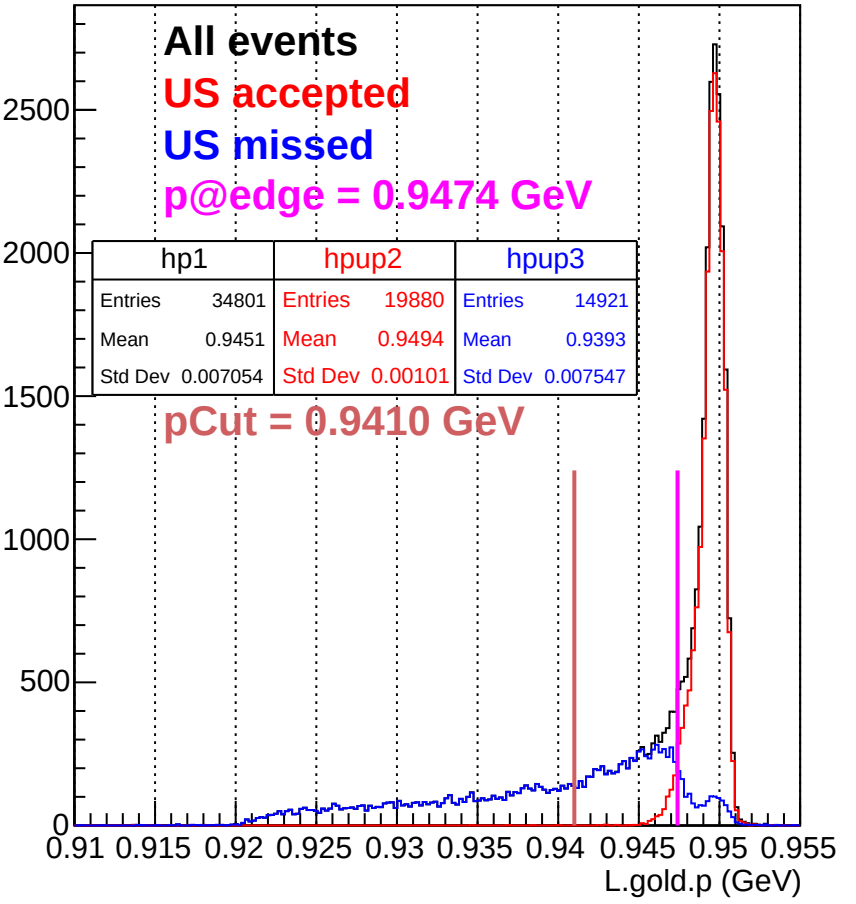

Q^2 (GeV/c)^2, pCut = 0.940 GeV
Q2
Entries 28142
Mean 0.006233
Std Dev 0.00125
1200
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

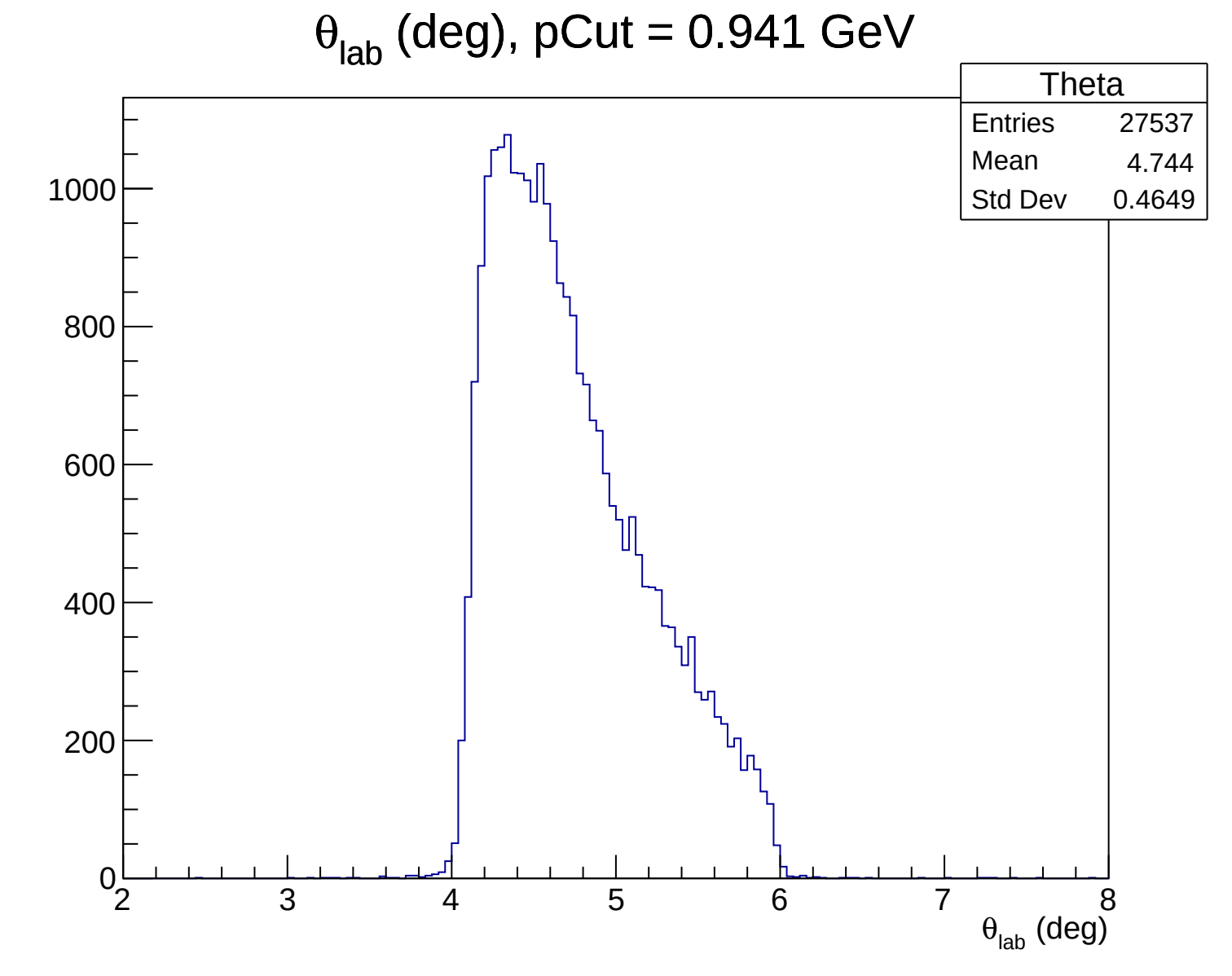

Sensitivity, pCut = 0.940 GeV
sens
Entries 28142
Mean 0.02196
Std Dev 0.004016
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

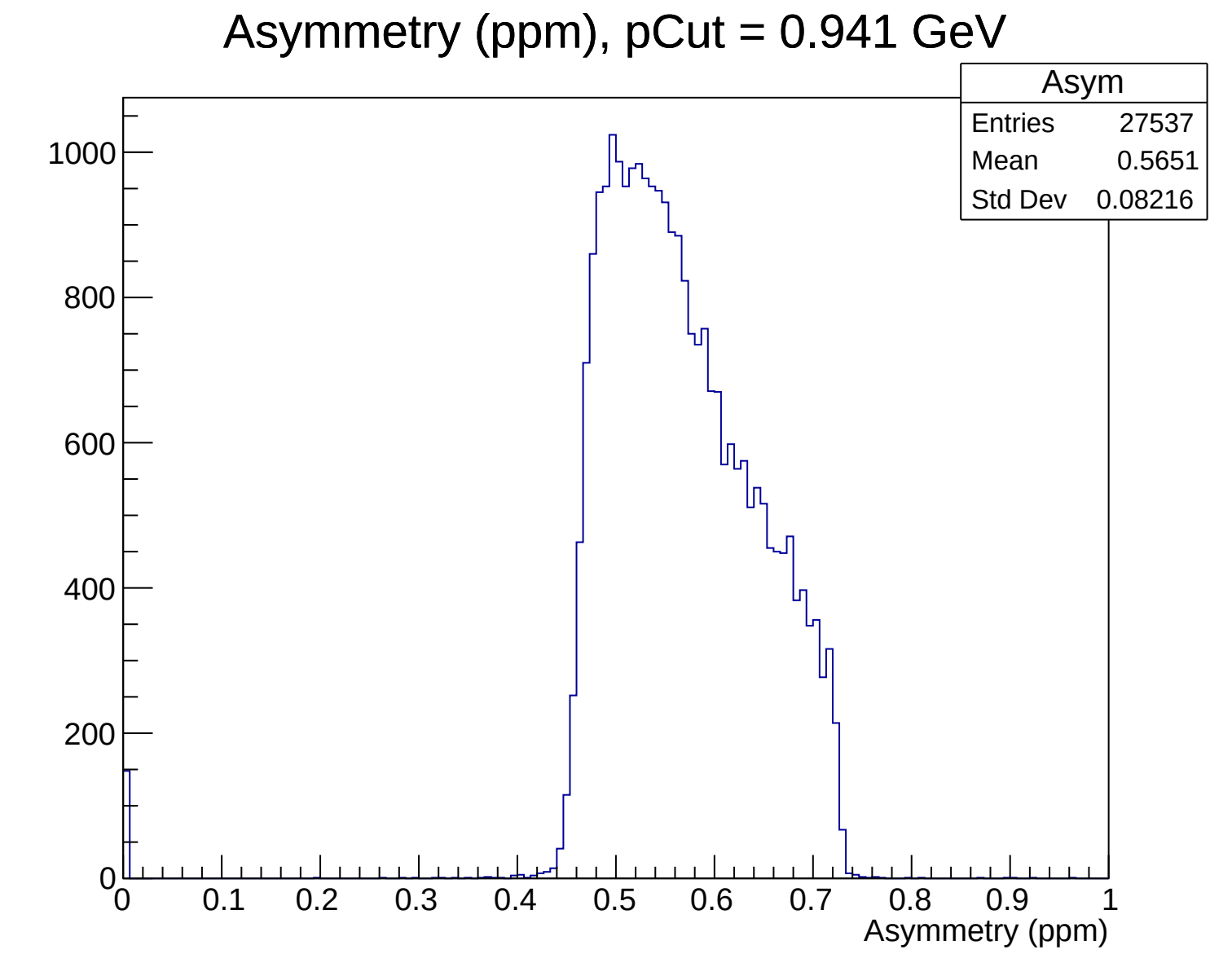
ADC raw (run2316, detZ = 1.3 m)

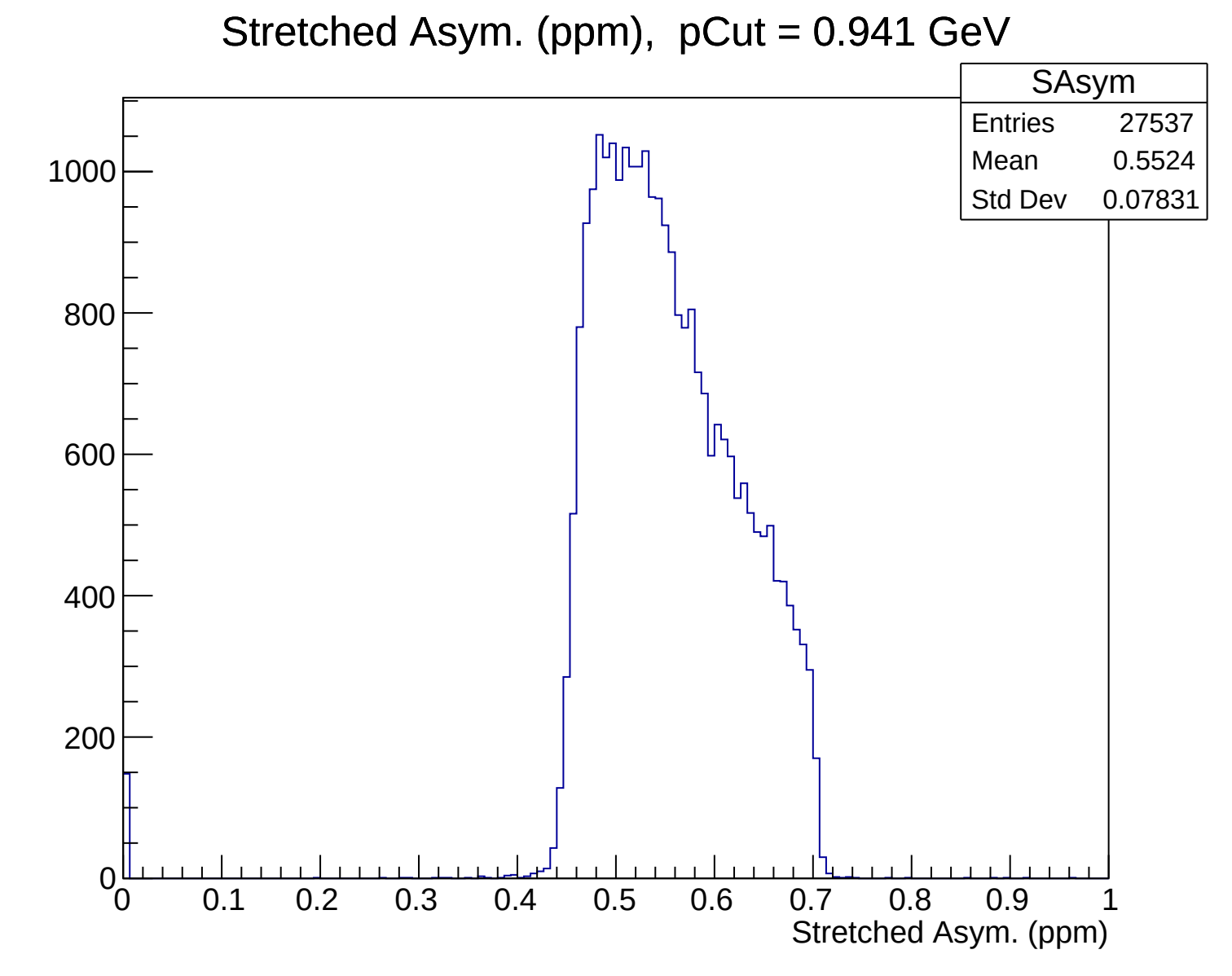


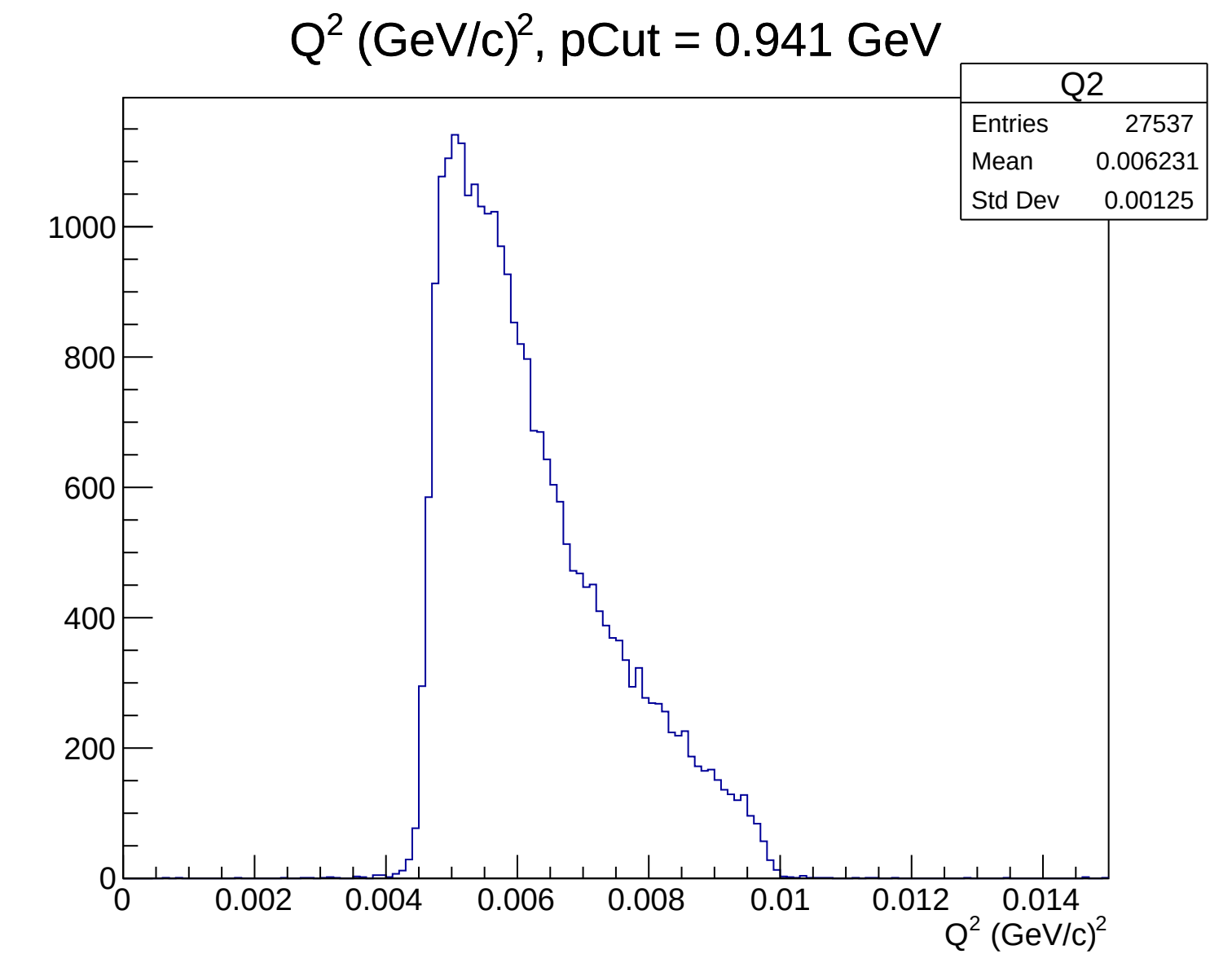
LHRS momentum run2316

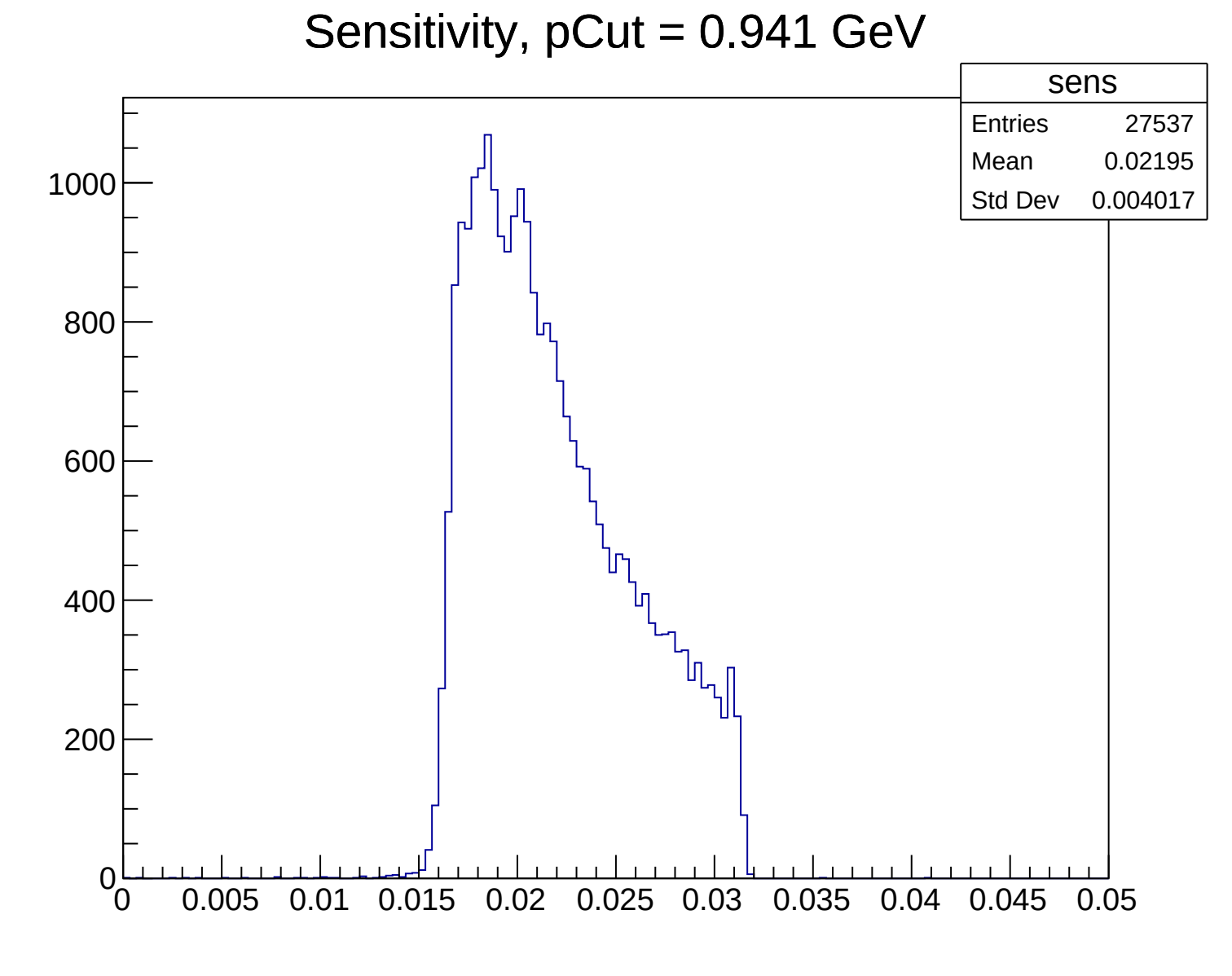



θlab (deg), pCut = 0.941 GeV
Theta
Entries 27537
Mean 4.744
Std Dev 0.4649
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

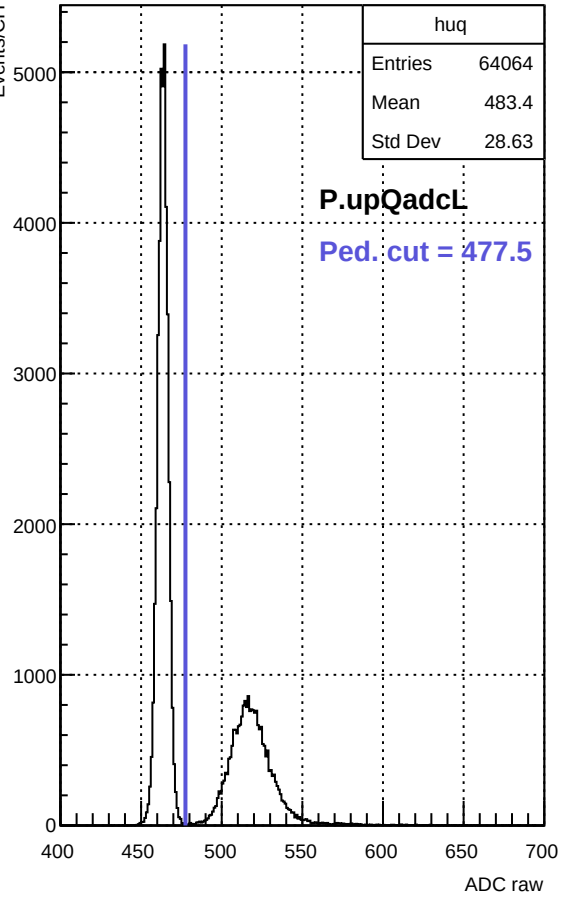

Asymmetry (ppm), pCut = 0.941 GeV
Asym
Entries 27537
Mean 0.5651
Std Dev 0.08216
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.941 GeV
SAsym
Entries 27537
Mean 0.5524
Std Dev 0.07831
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

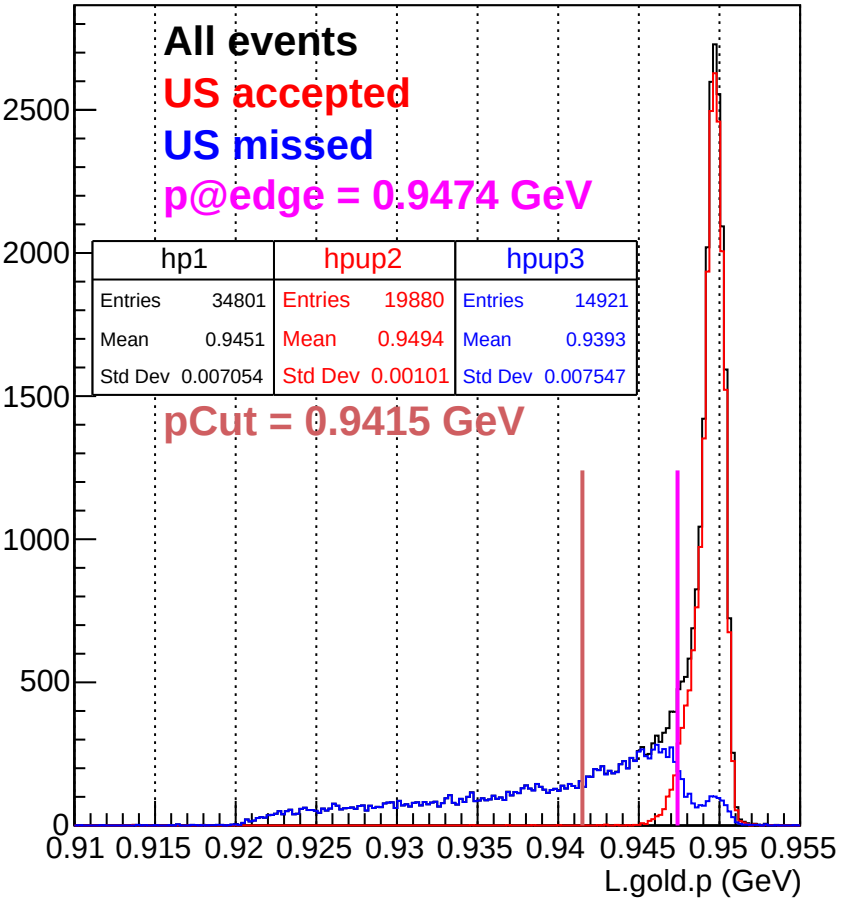

Q^2 (GeV/c)^2, pCut = 0.941 GeV
Q2
Entries 27537
Mean 0.006231
Std Dev 0.00125
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

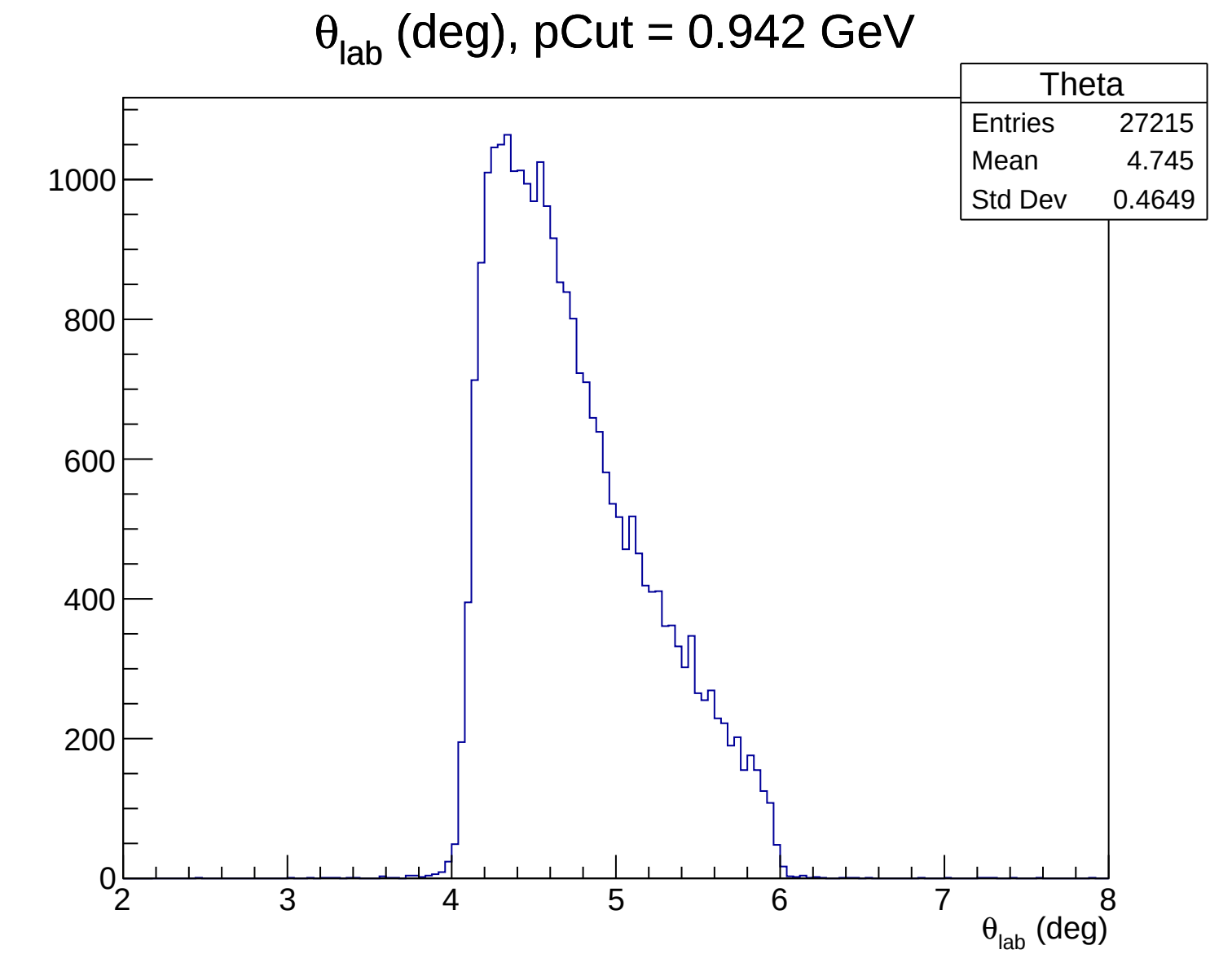

Sensitivity, pCut = 0.941 GeV
sens
Entries 27537
Mean 0.02195
Std Dev 0.004017
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

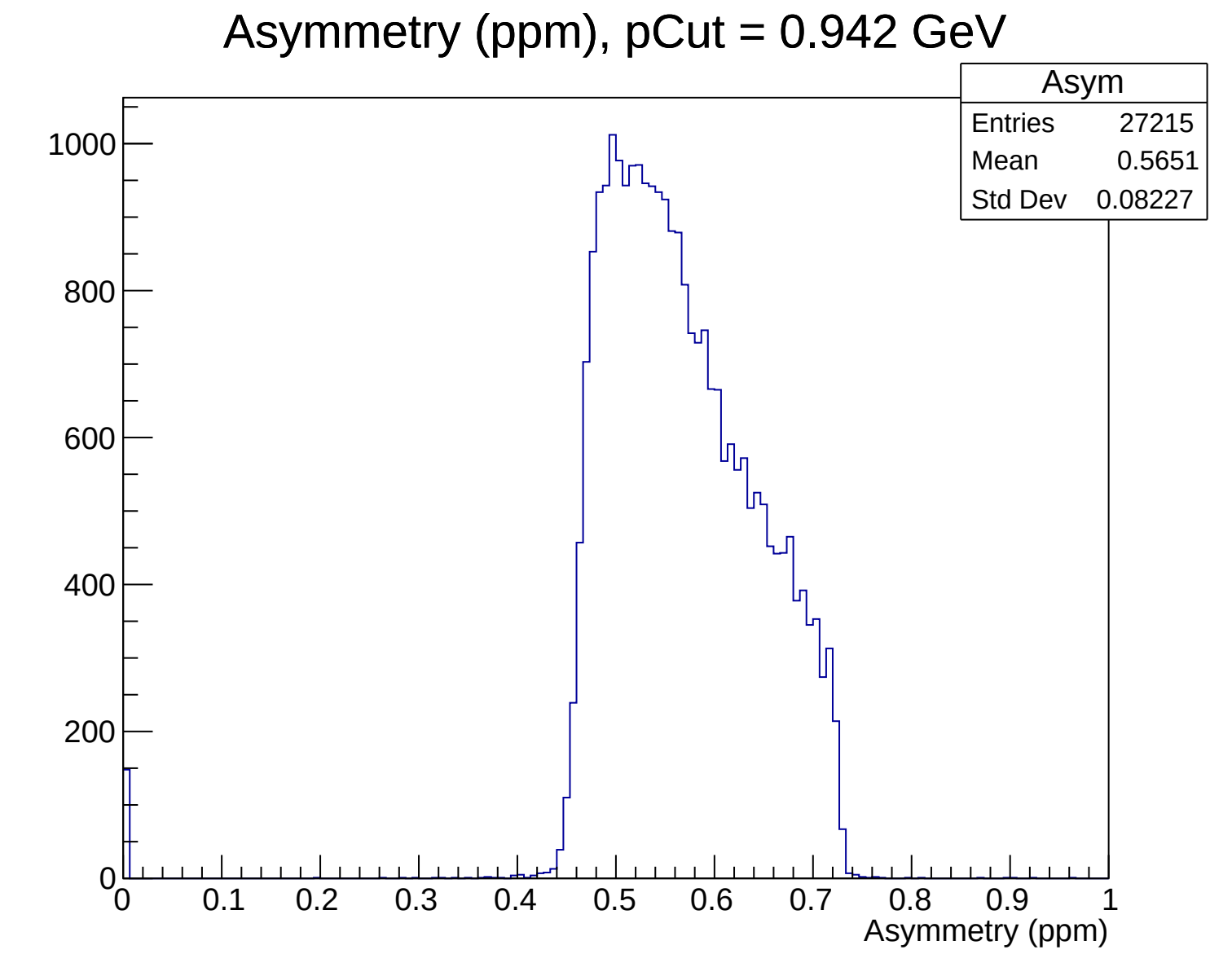
ADC raw (run2316, detZ = 1.3 m)

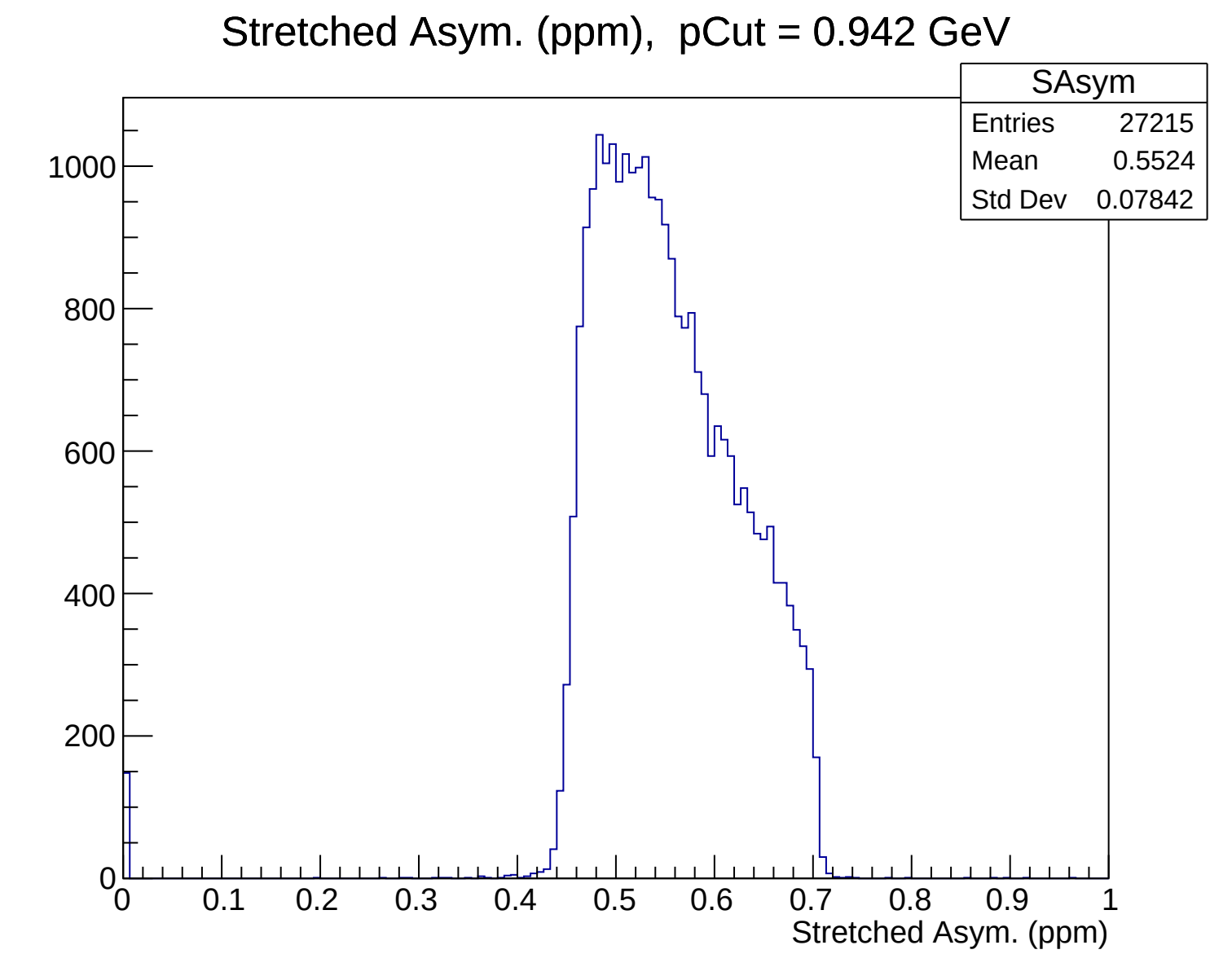


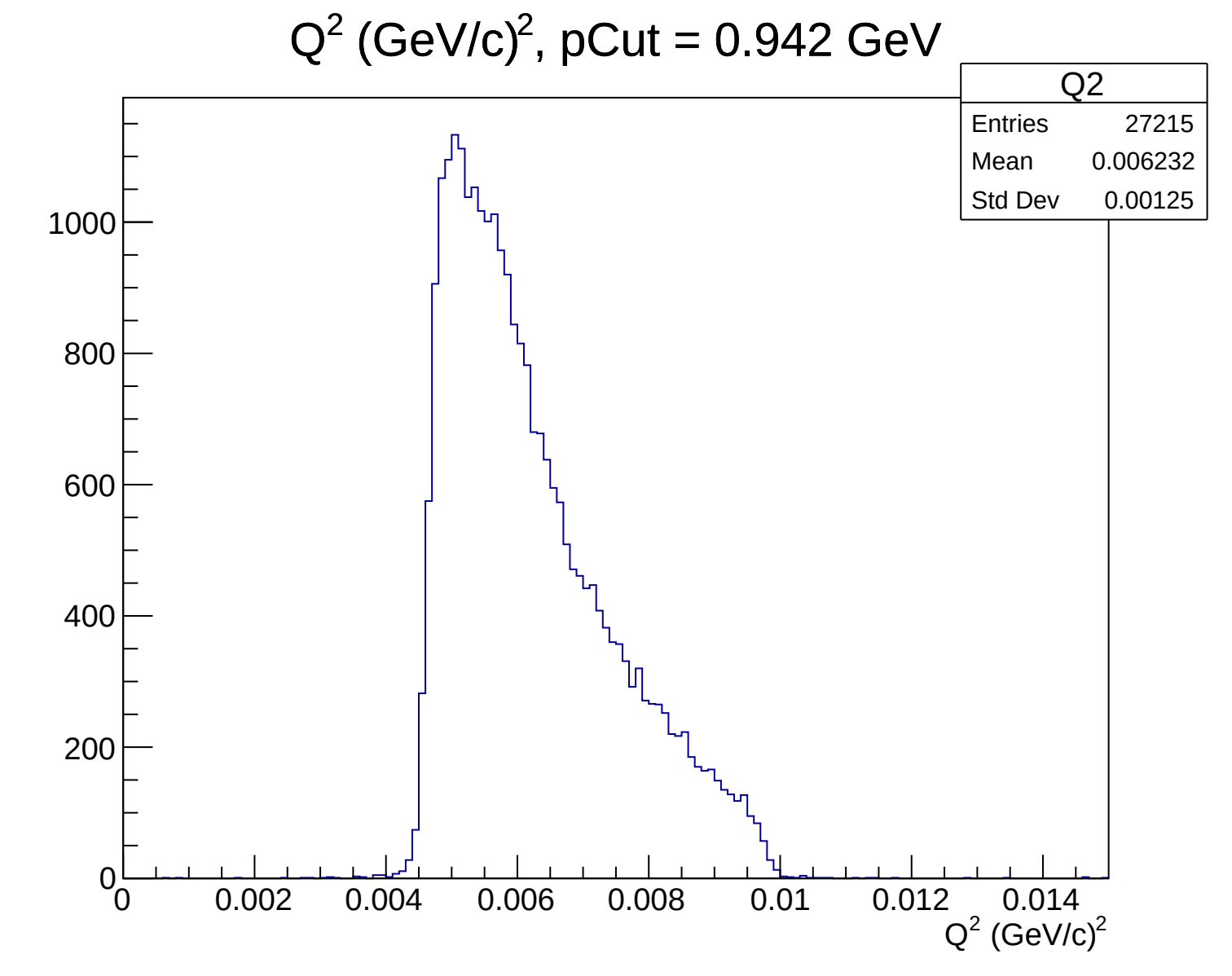
LHRS momentum run2316

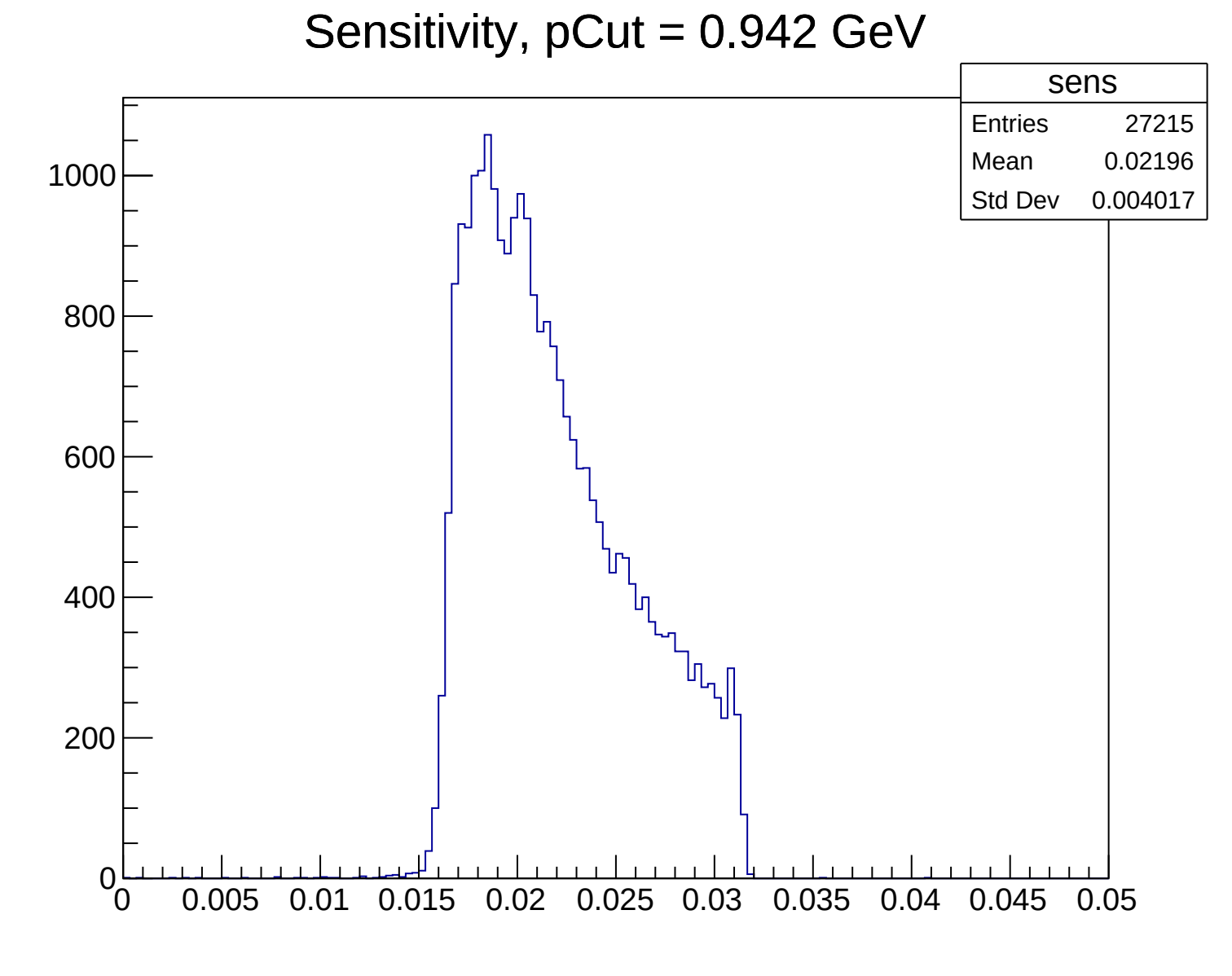



θlab (deg), pCut = 0.942 GeV
Theta
Entries 27215
Mean 4.745
Std Dev 0.4649
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

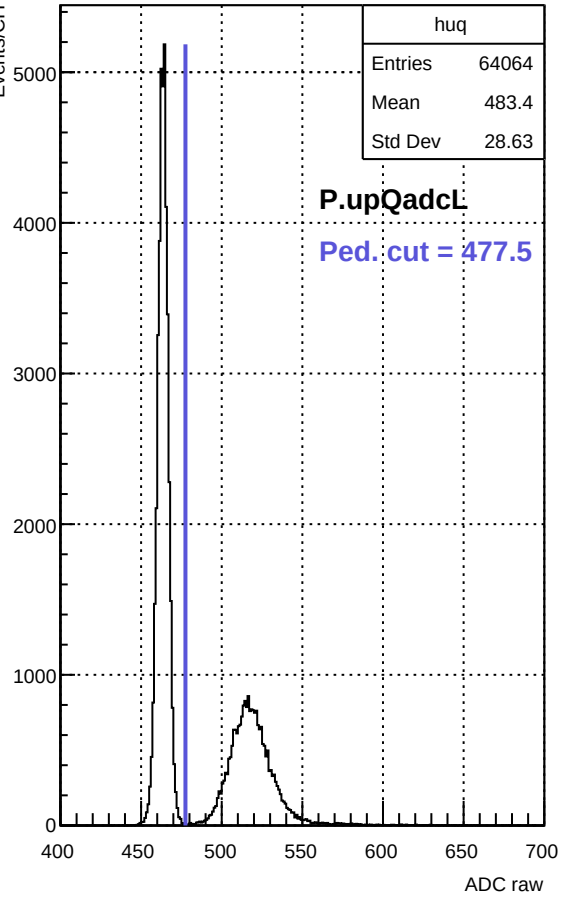

Asymmetry (ppm), pCut = 0.942 GeV
Asym
Entries 27215
Mean 0.5651
Std Dev 0.08227
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.942 GeV
SAsym
Entries 27215
Mean 0.5524
Std Dev 0.07842
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

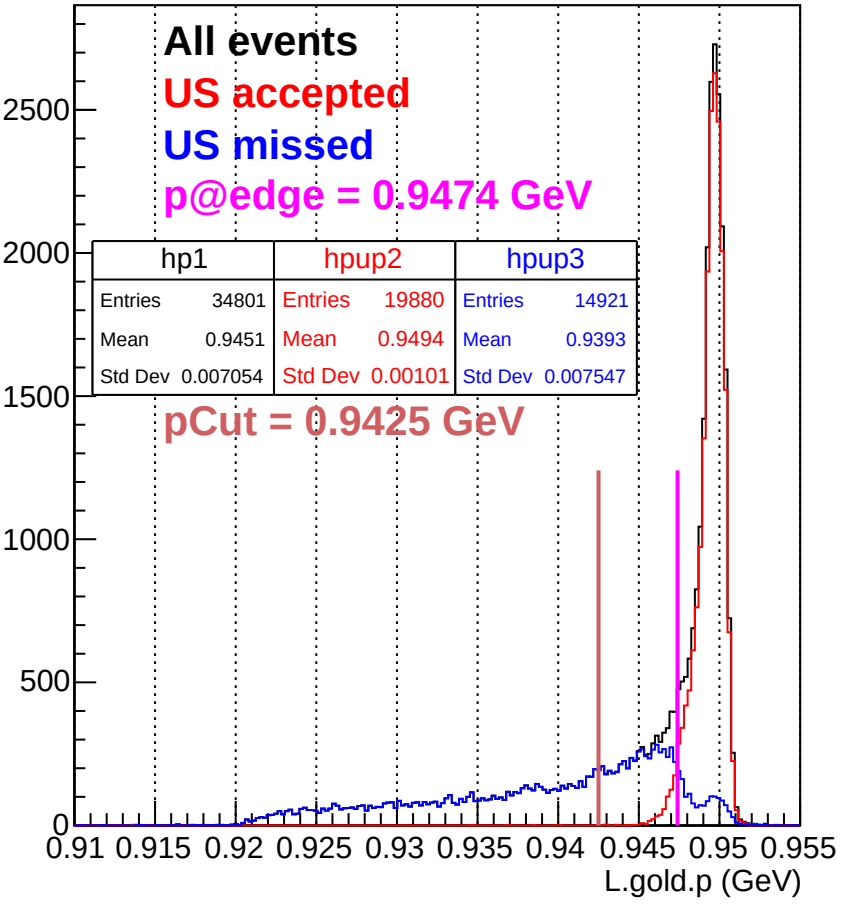

Q^2 (GeV/c)^2, pCut = 0.942 GeV
Q2
Entries 27215
Mean 0.006232
Std Dev 0.00125
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

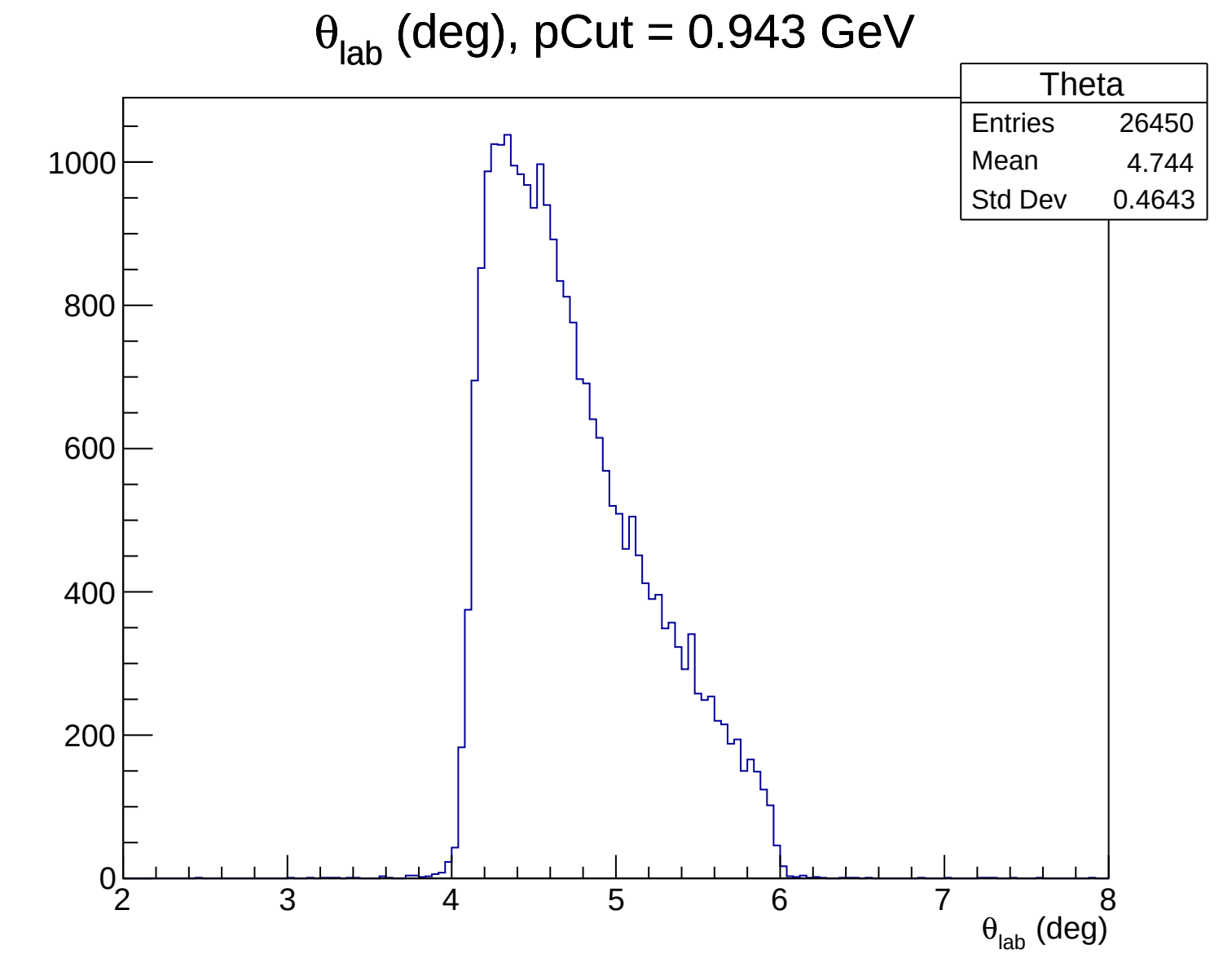

Sensitivity, pCut = 0.942 GeV
sens
Entries 27215
Mean 0.02196
Std Dev 0.004017
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

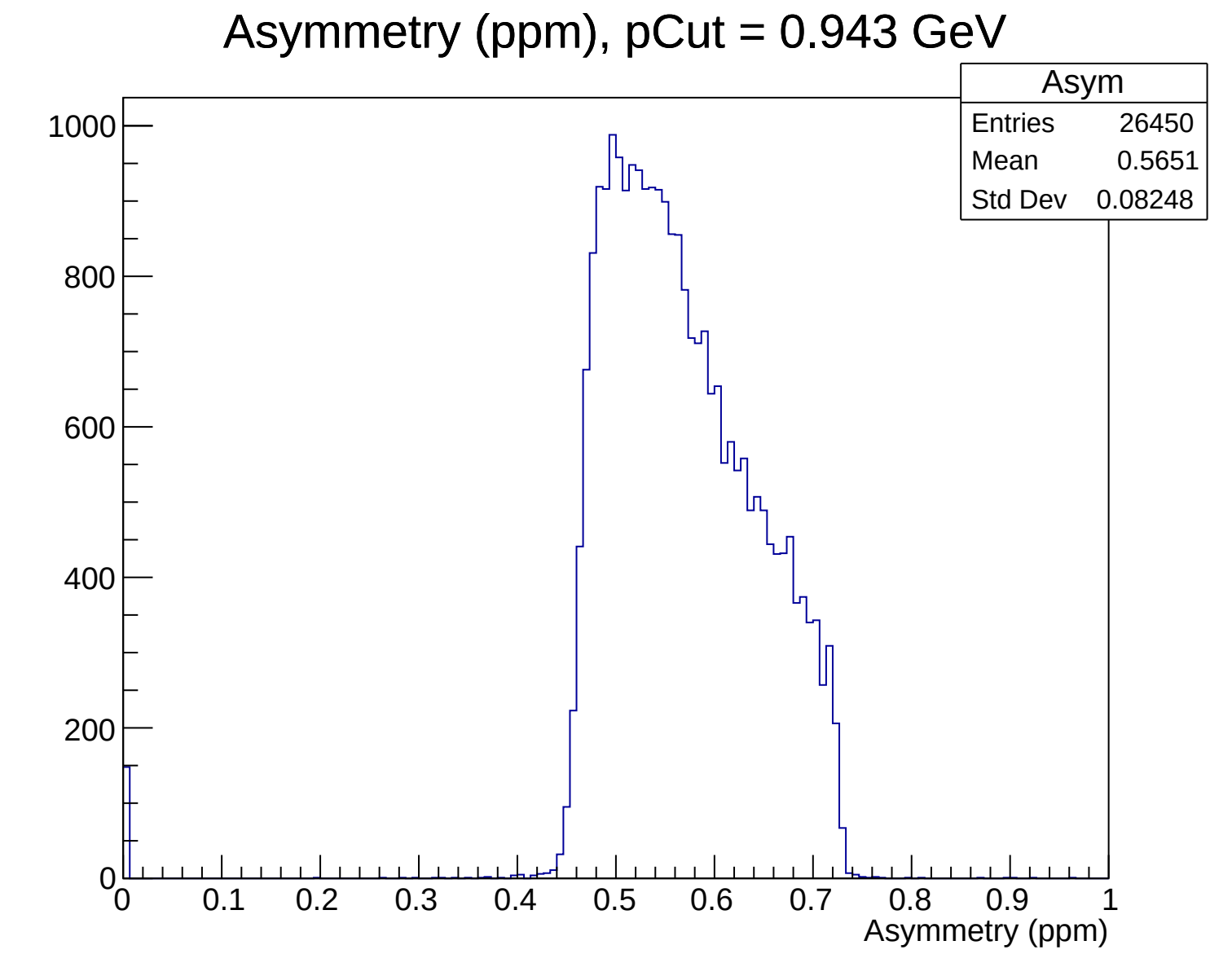
ADC raw (run2316, detZ = 1.3 m)

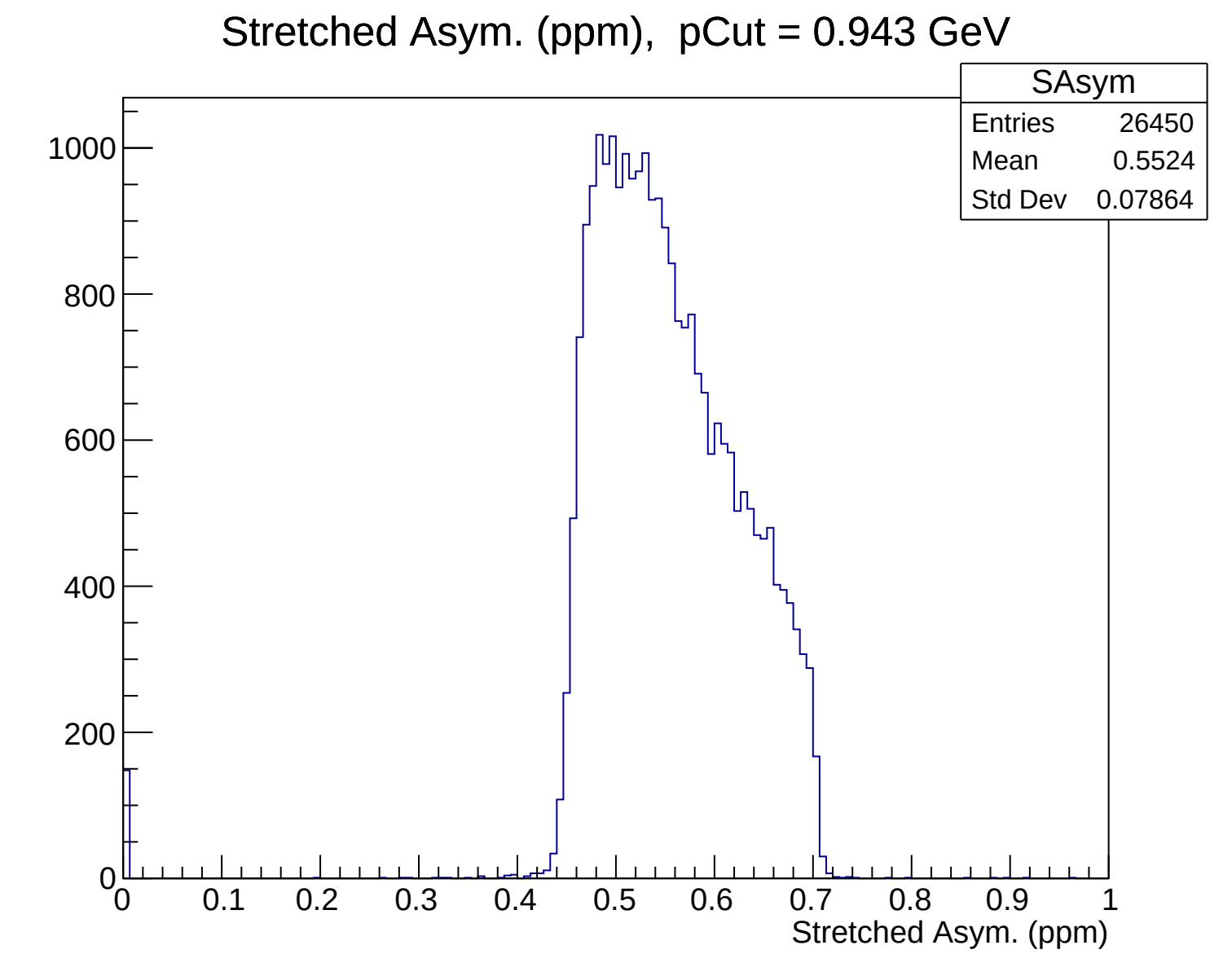


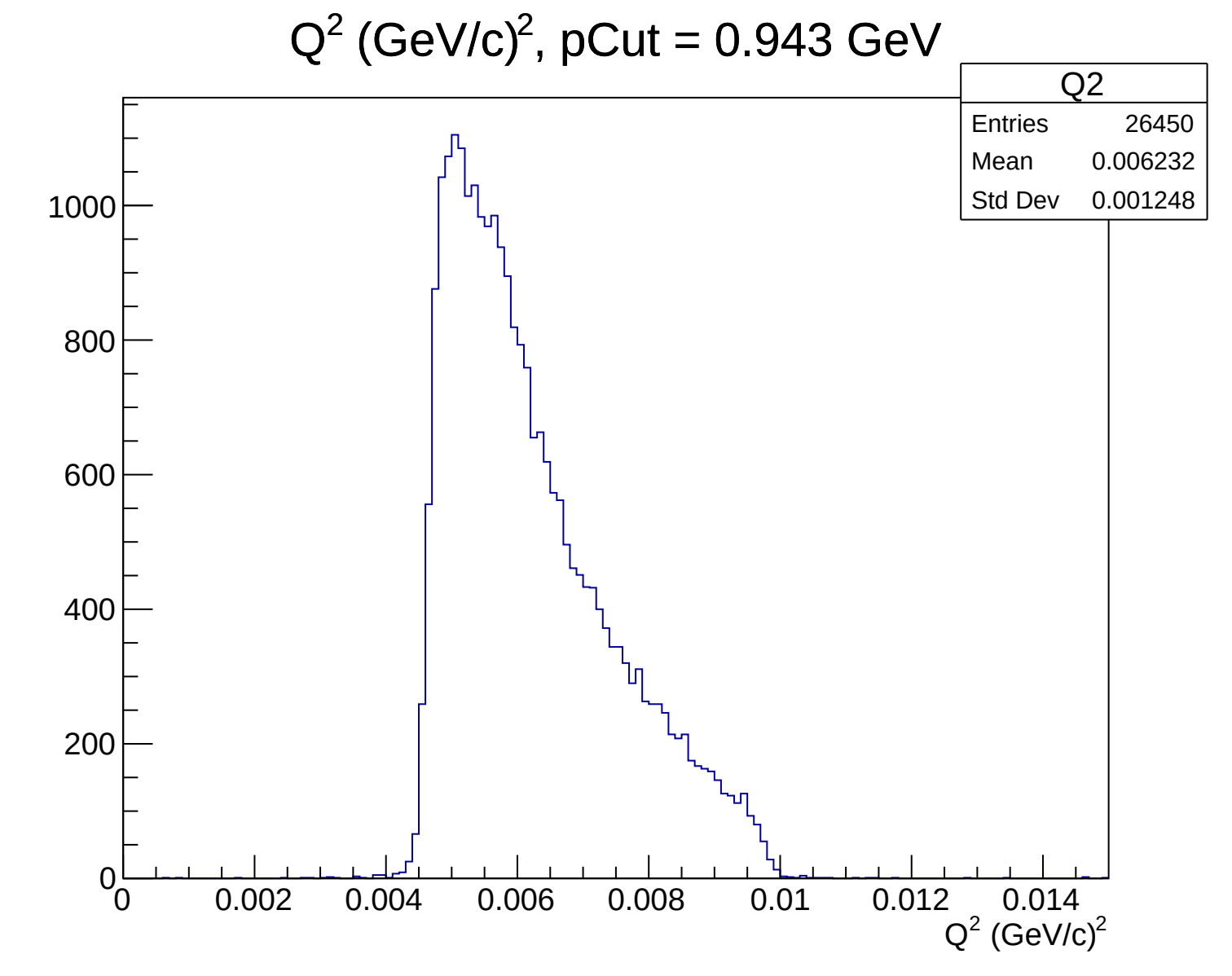
LHRS momentum run2316

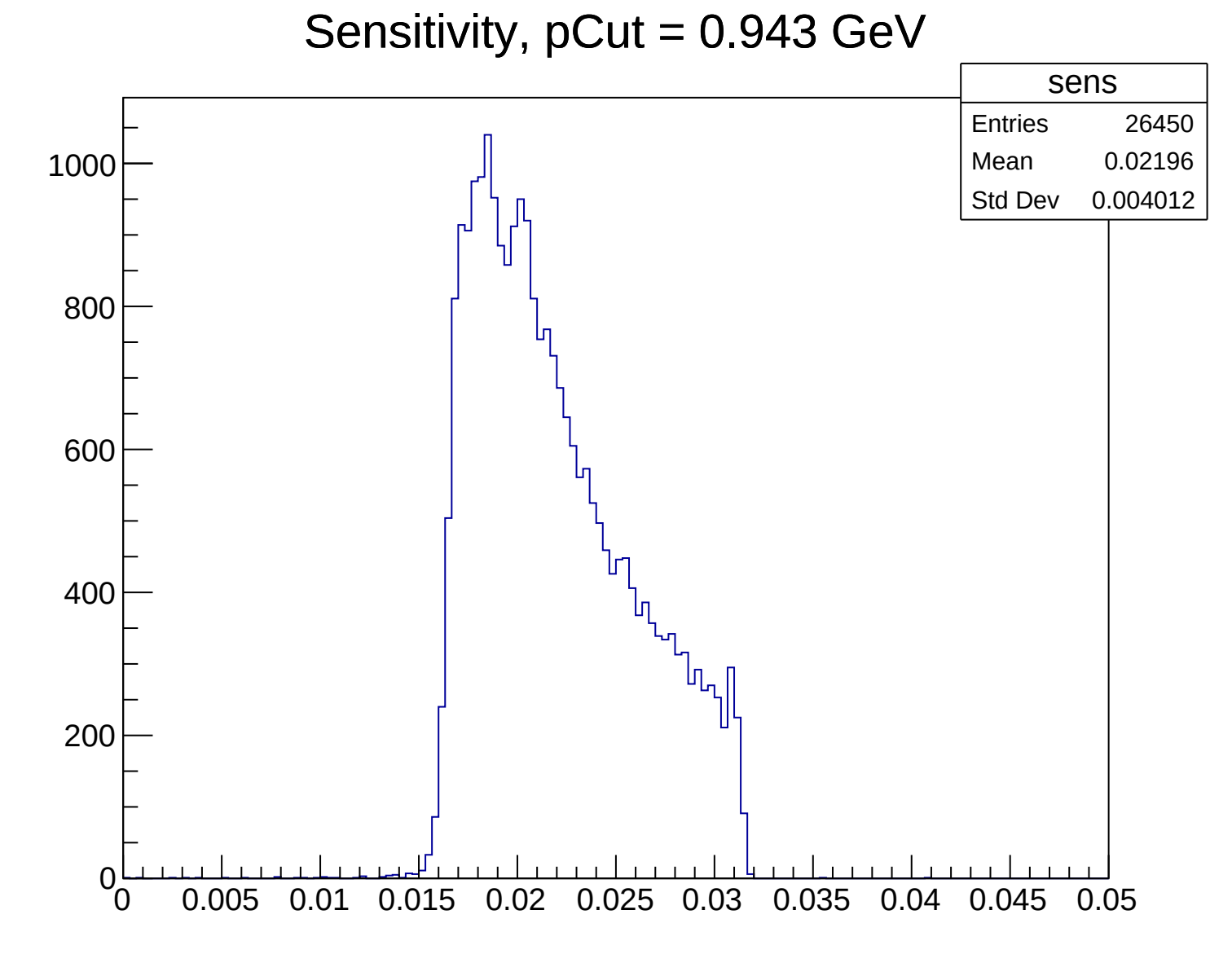



θlab (deg), pCut = 0.943 GeV
Theta
Entries 26450
Mean 4.744
Std Dev 0.4643
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

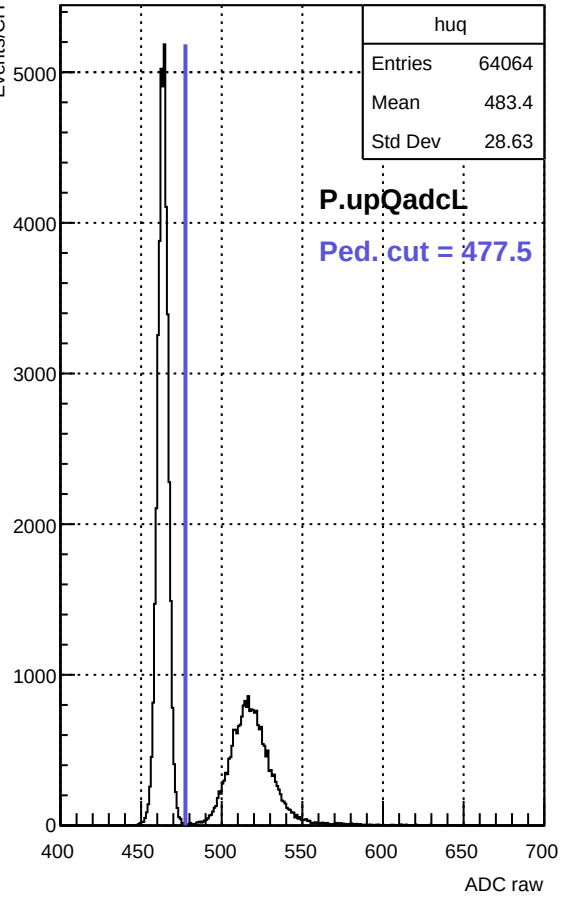

Asymmetry (ppm), pCut = 0.943 GeV
Asym
Entries 26450
Mean 0.5651
Std Dev 0.08248
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.943 GeV
SAsym
Entries 26450
Mean 0.5524
Std Dev 0.07864
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

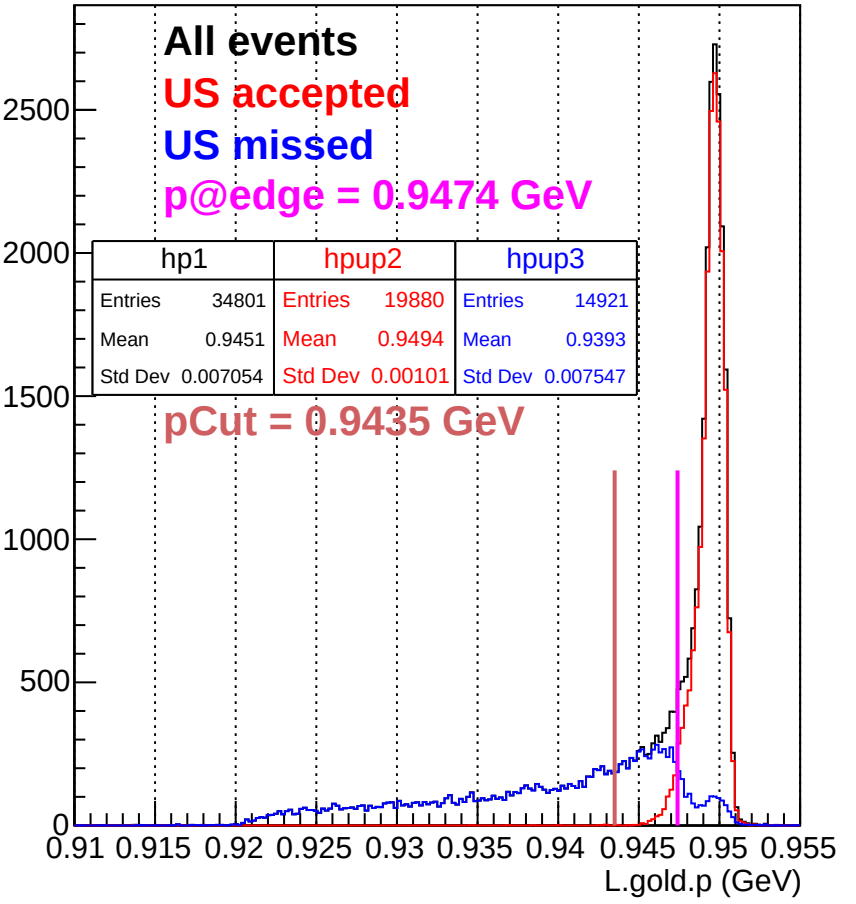

Q^2 (GeV/c)^2, pCut = 0.943 GeV
Q2
Entries 26450
Mean 0.006232
Std Dev 0.001248
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

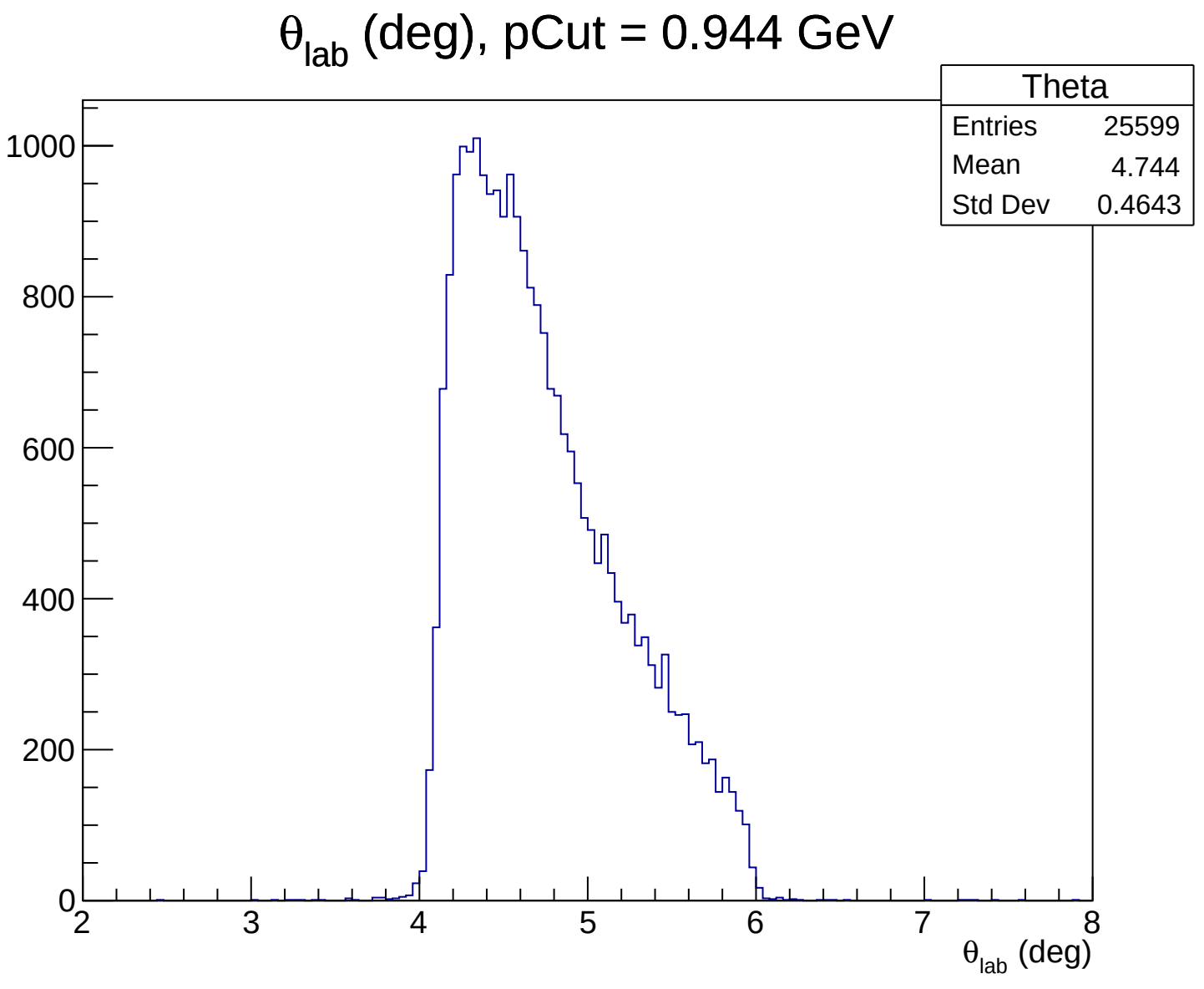

Sensitivity, pCut = 0.943 GeV
sens
Entries 26450
Mean 0.02196
Std Dev 0.004012
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

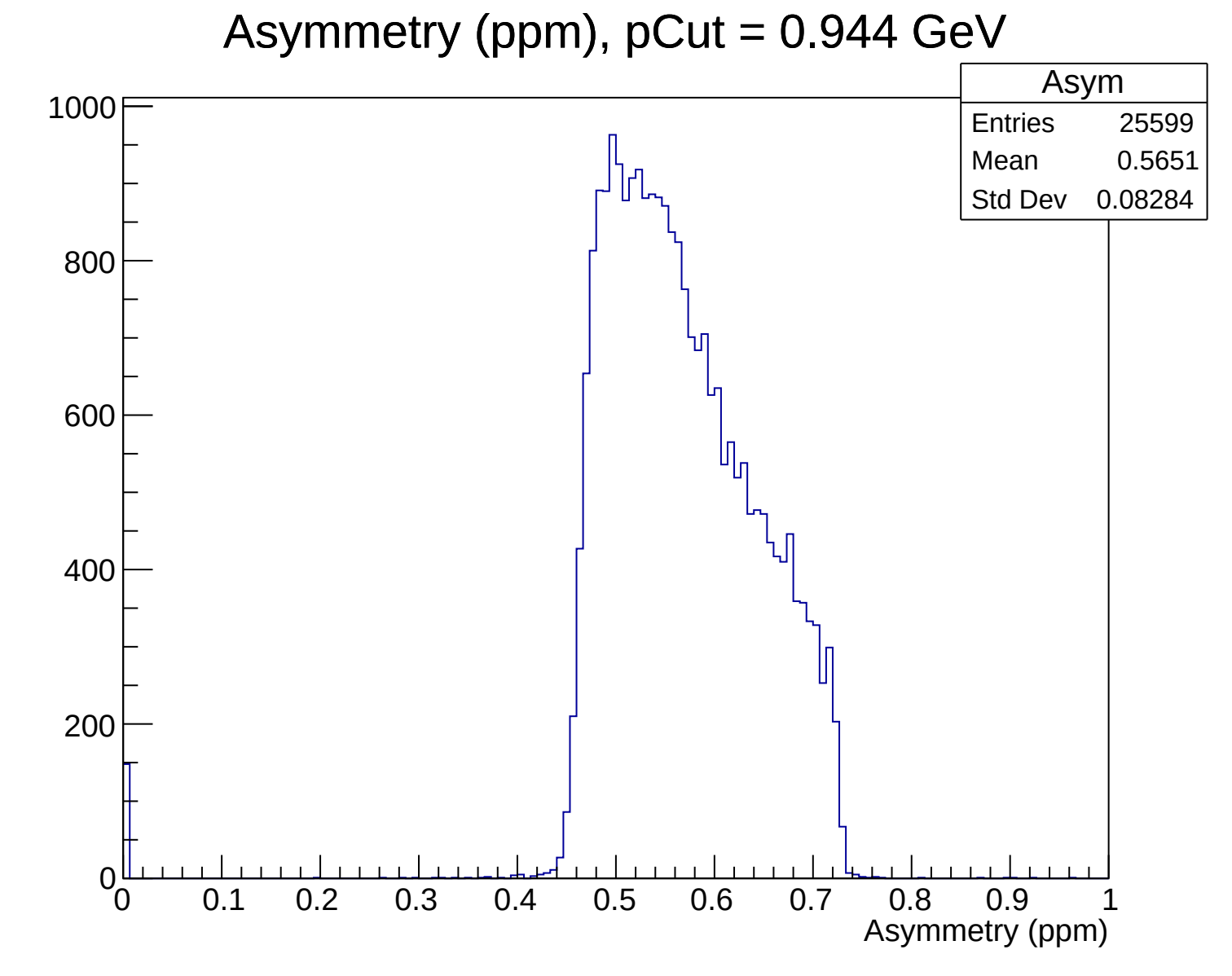
ADC raw (run2316, detZ = 1.3 m)

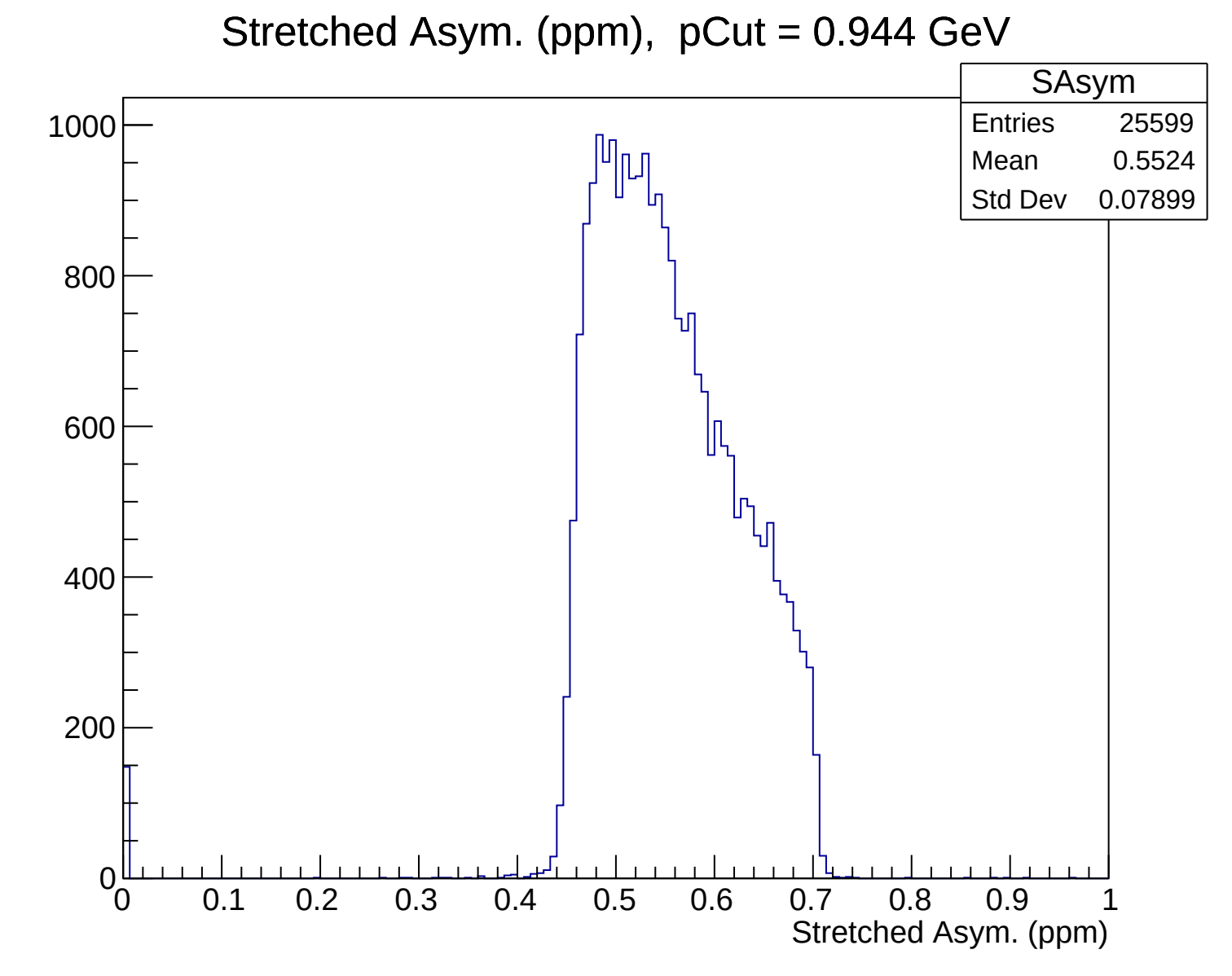


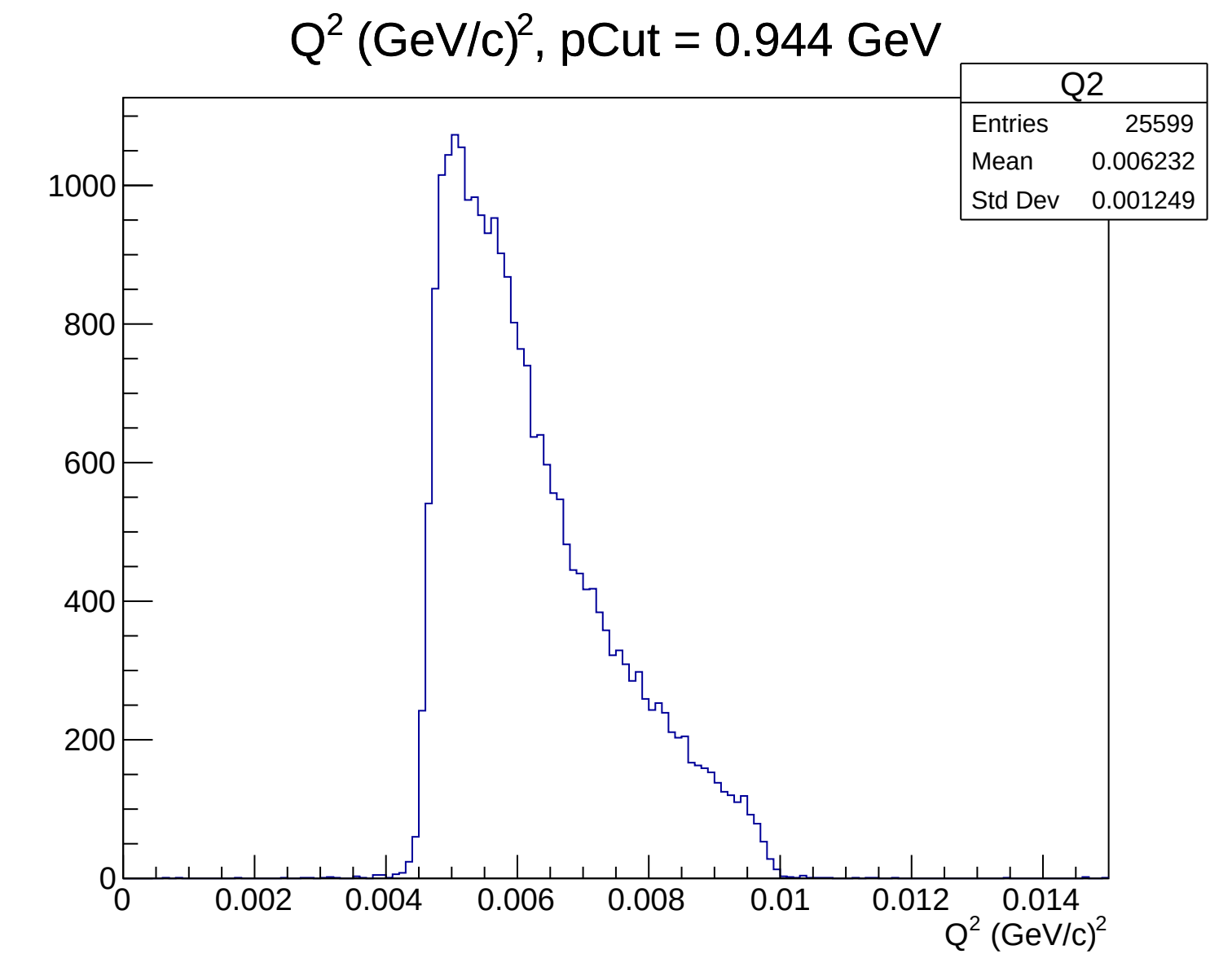
LHRS momentum run2316

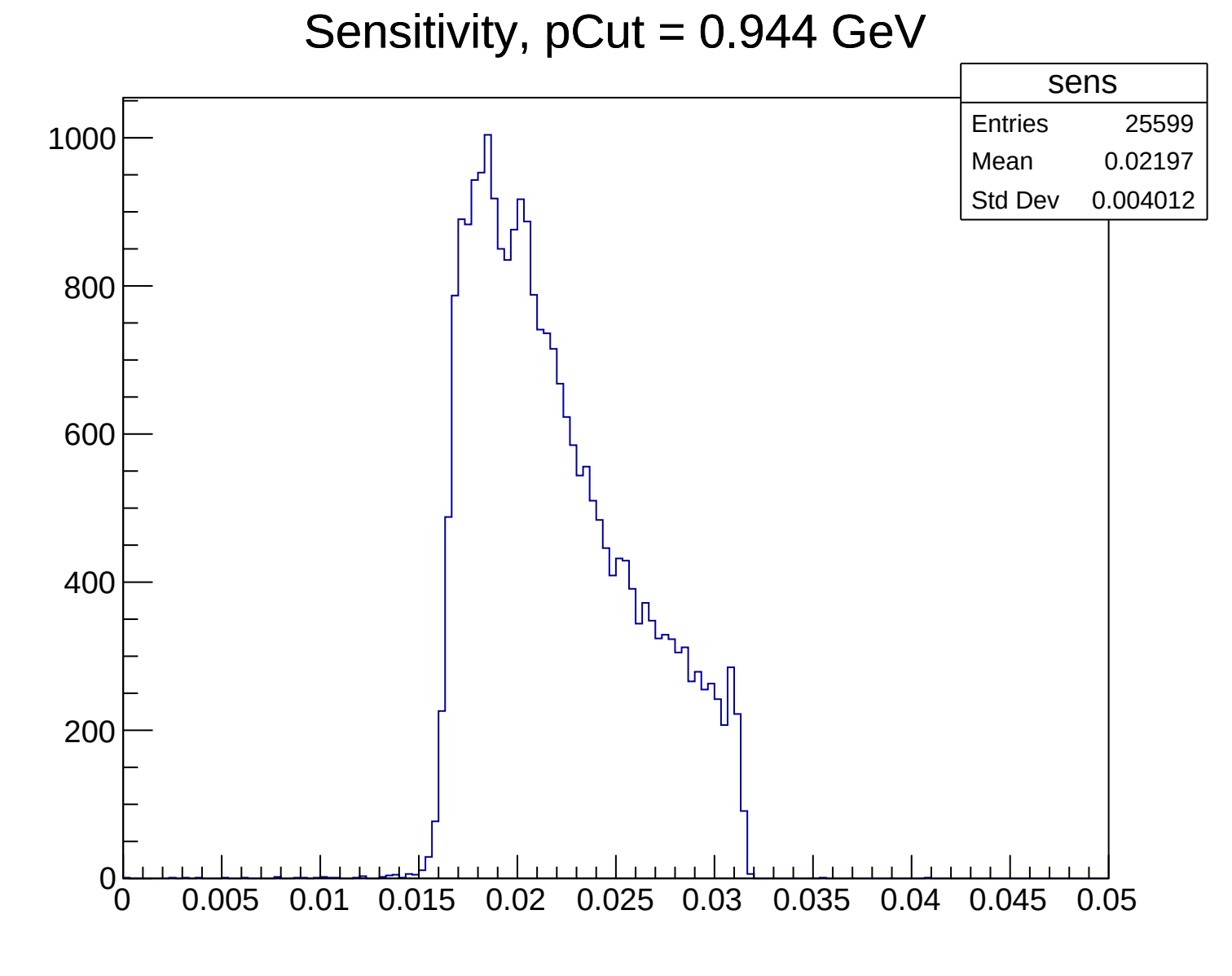



θlab (deg), pCut = 0.944 GeV
Theta
Entries 25599
Mean 4.744
Std Dev 0.4643
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

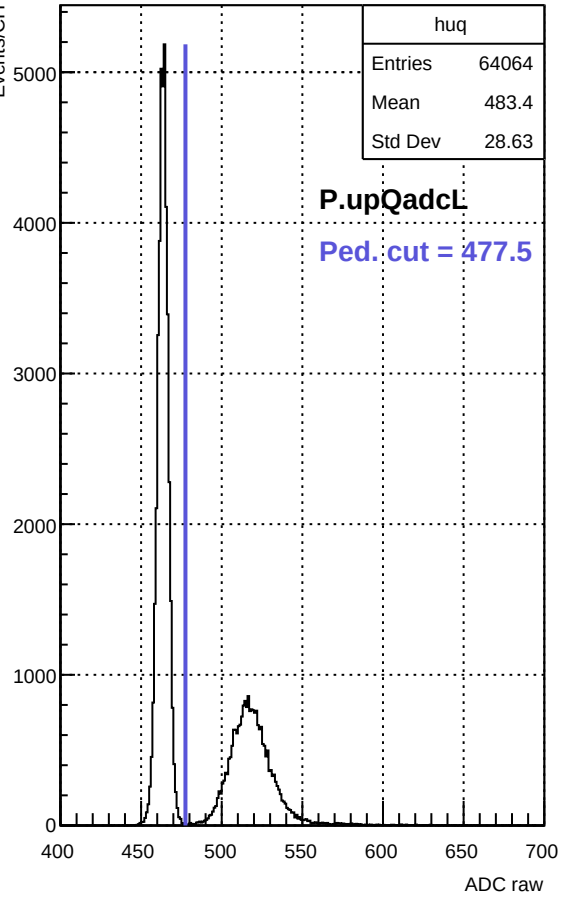

Asymmetry (ppm), pCut = 0.944 GeV
Asym
Entries 25599
Mean 0.5651
Std Dev 0.08284
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.944 GeV
SAsym
Entries 25599
Mean 0.5524
Std Dev 0.07899
1000
800
600
400
200
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

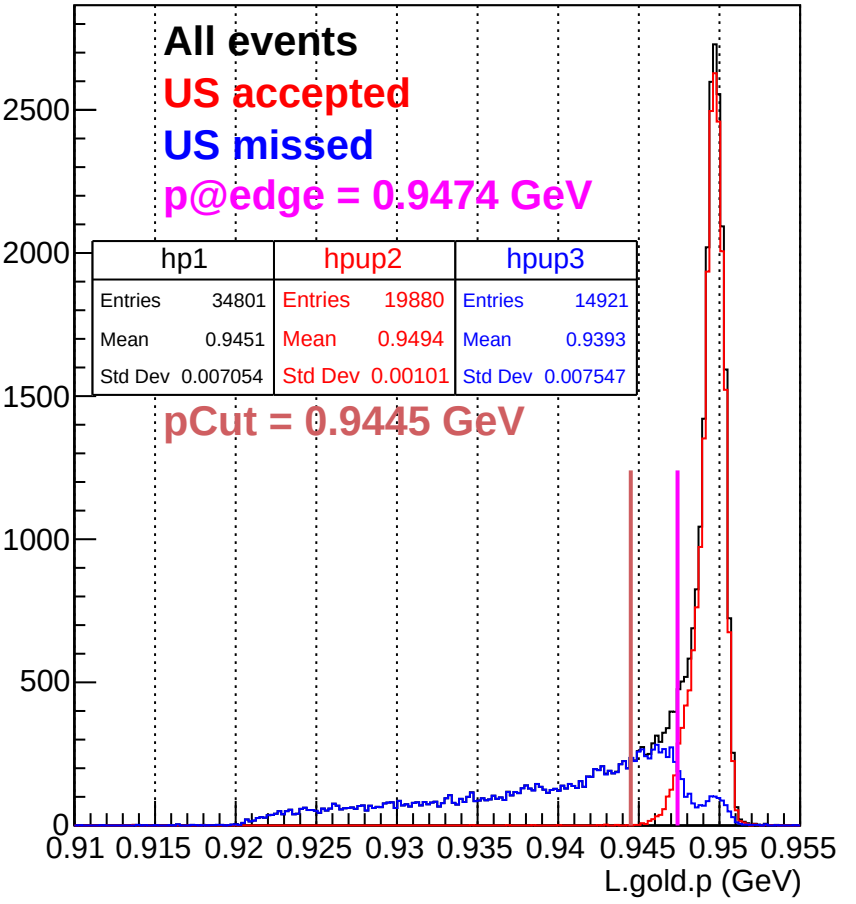

Q^2 (GeV/c)^2, pCut = 0.944 GeV
Q2
Entries 25599
Mean 0.006232
Std Dev 0.001249
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

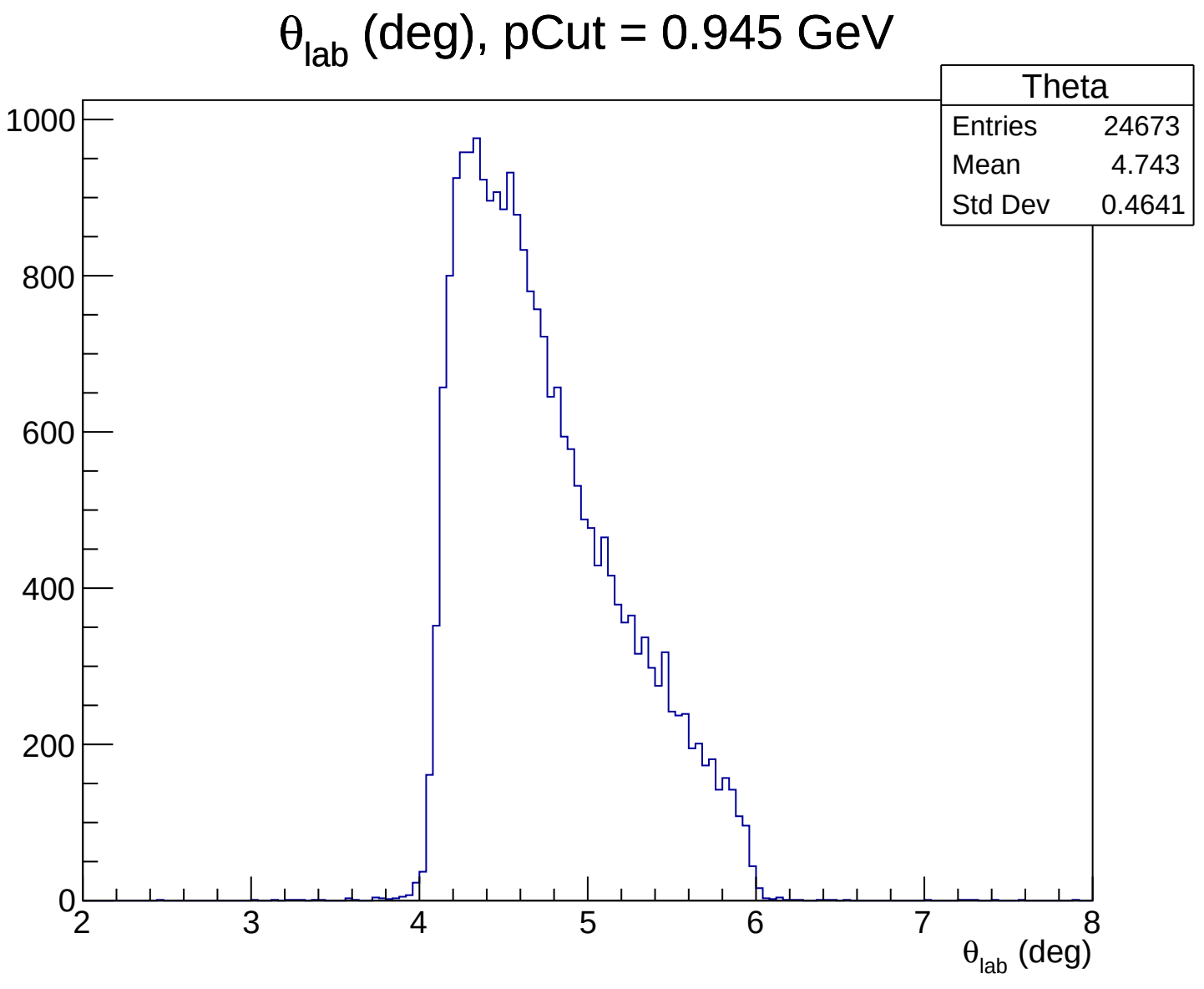

Sensitivity, pCut = 0.944 GeV
sens
Entries 25599
Mean 0.02197
Std Dev 0.004012
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

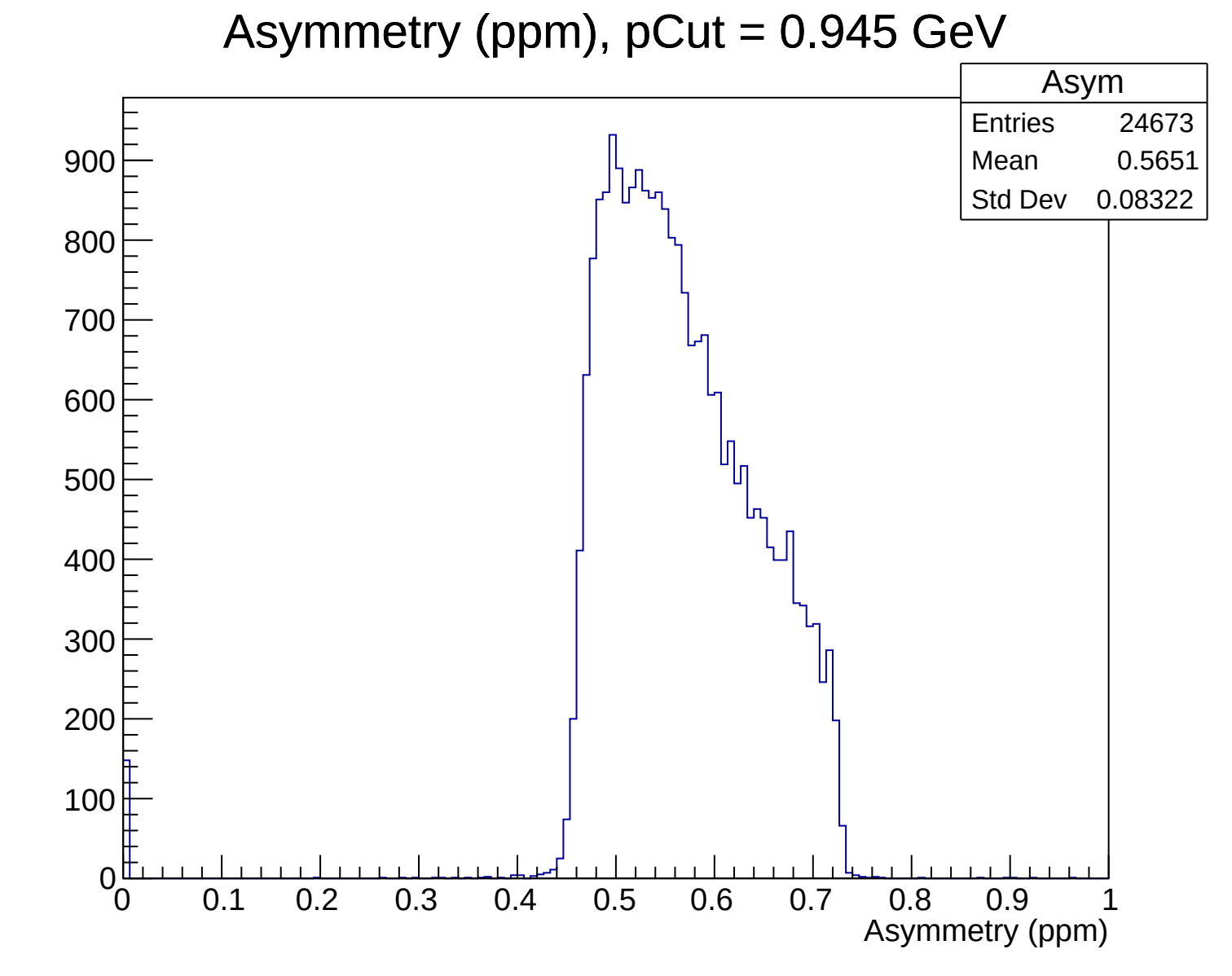
ADC raw (run2316, detZ = 1.3 m)

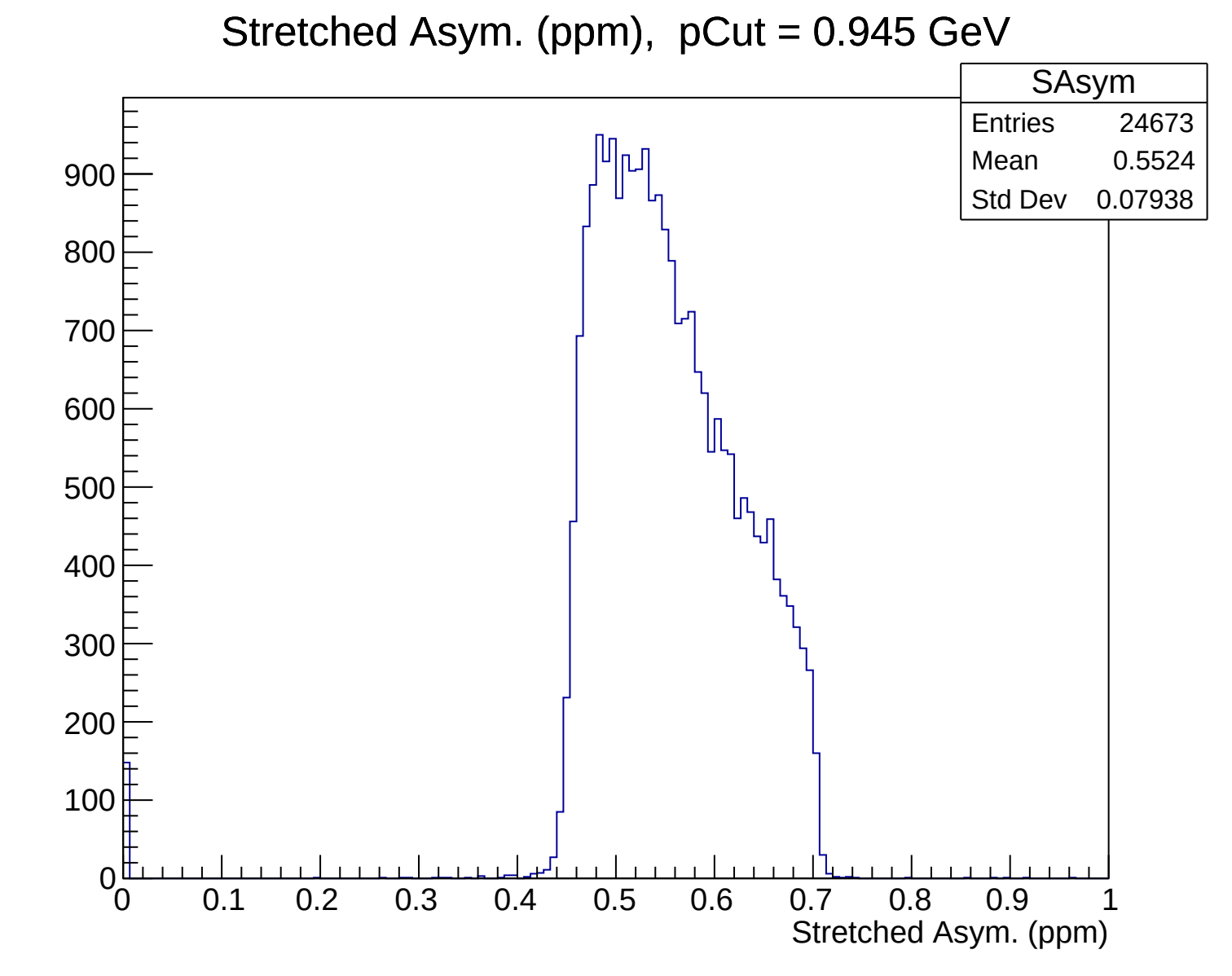


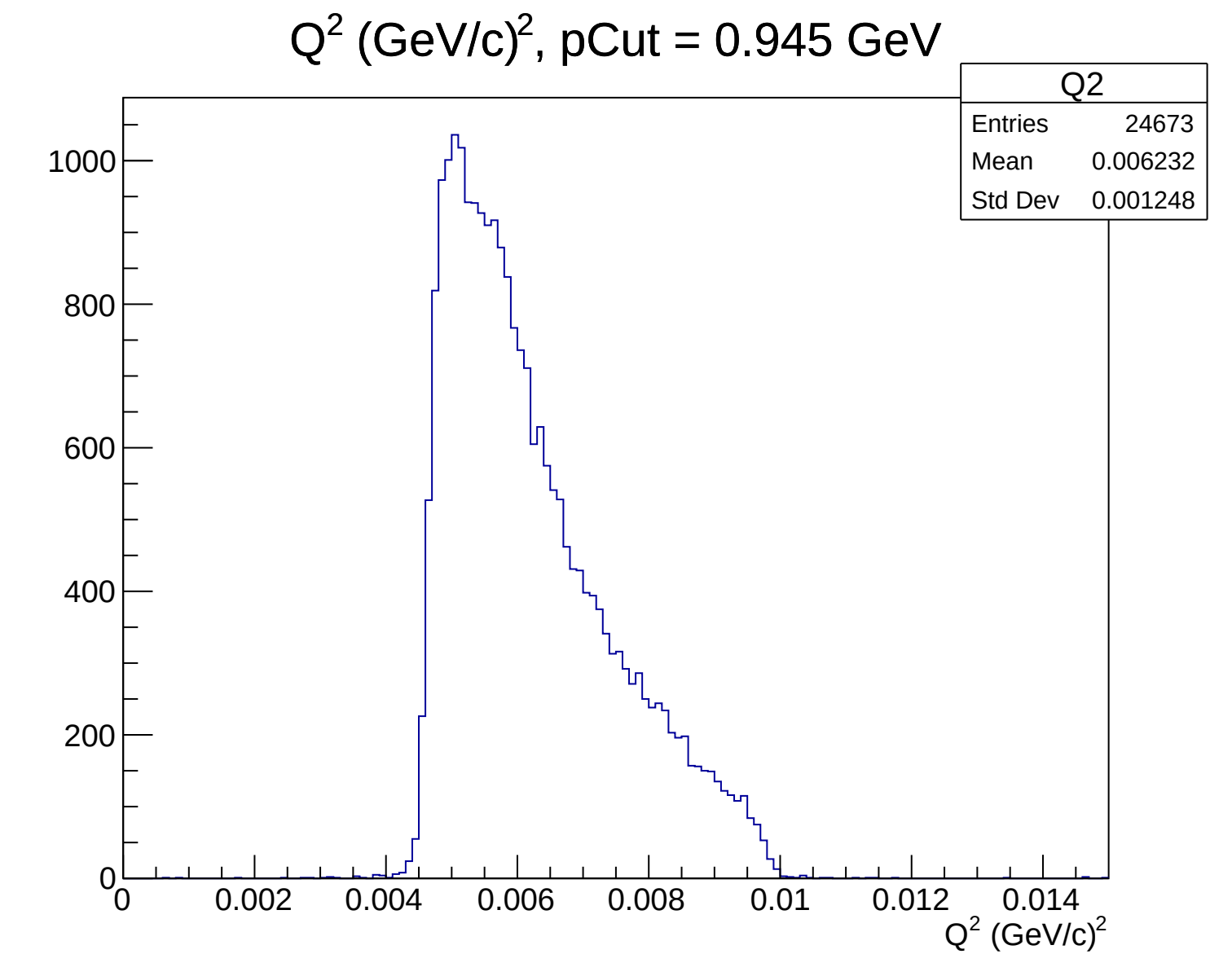
LHRS momentum run2316

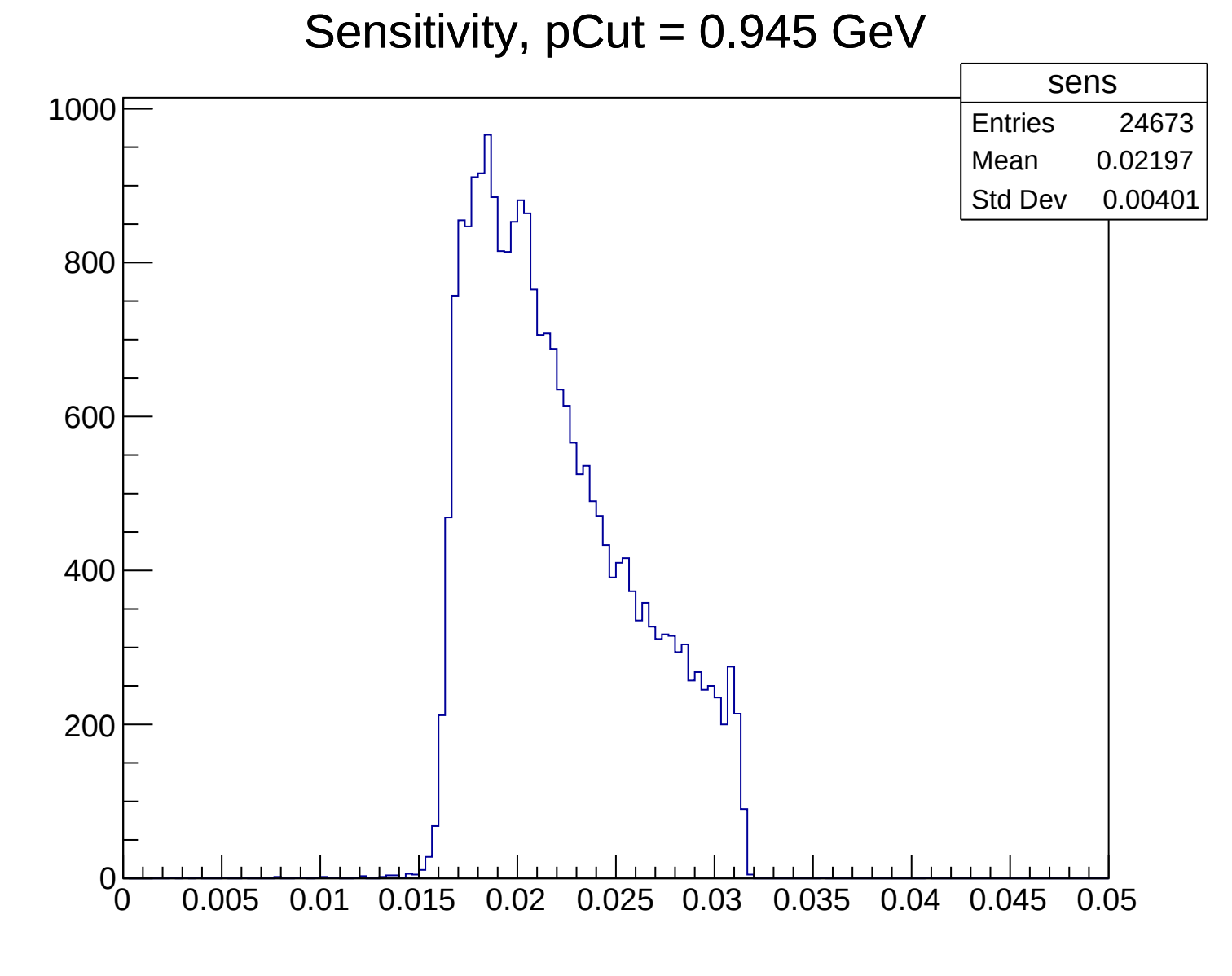



θlab (deg), pCut = 0.945 GeV
Theta
Entries 24673
Mean 4.743
Std Dev 0.4641
1000
800
600
400
200
0
2
3
4
5
6
7
8
θlab (deg)

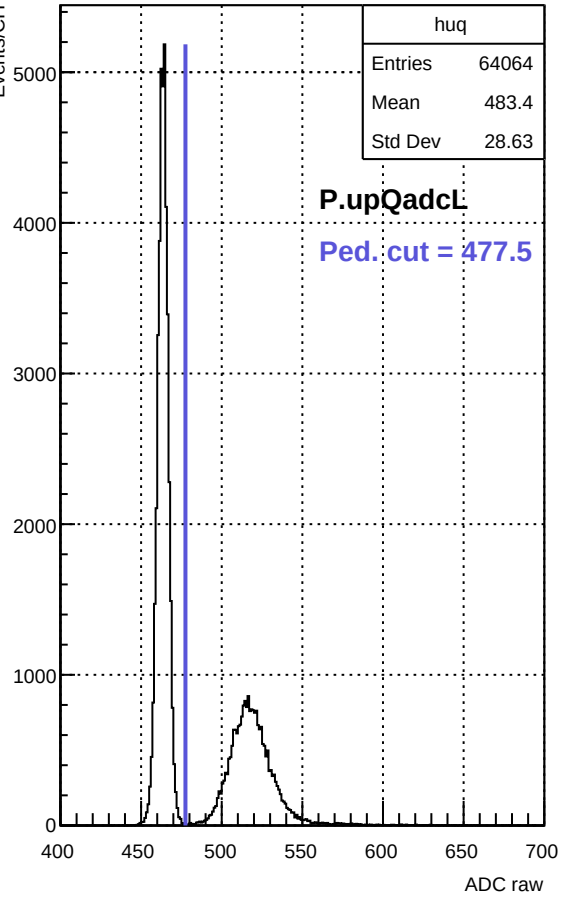

Asymmetry (ppm), pCut = 0.945 GeV
Asym
Entries 24673
Mean 0.5651
Std Dev 0.08322
900
800
700
600
500
400
300
200
100
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.945 GeV
SAsym
Entries 24673
Mean 0.5524
Std Dev 0.07938
900
800
700
600
500
400
300
200
100
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

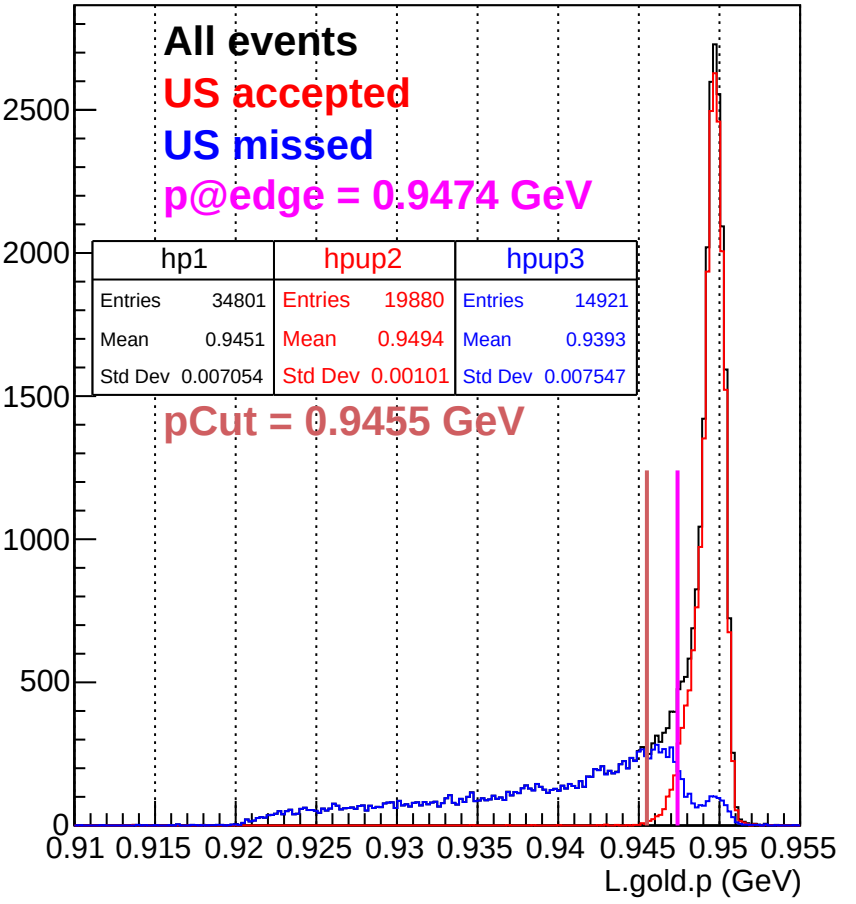

Q^2 (GeV/c)^2, pCut = 0.945 GeV
Q2
Entries 24673
Mean 0.006232
Std Dev 0.001248
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

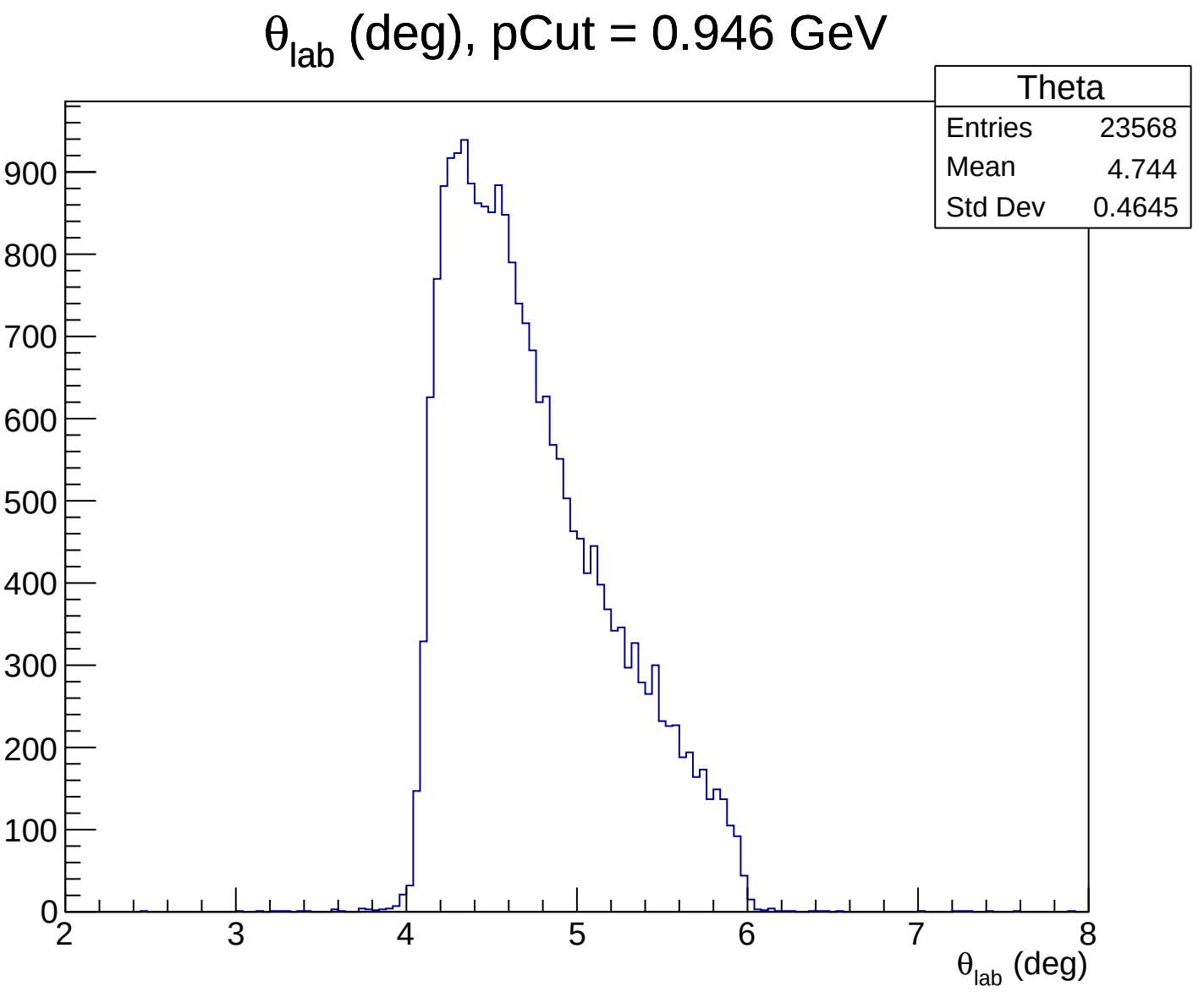

Sensitivity, pCut = 0.945 GeV
sens
Entries 24673
Mean 0.02197
Std Dev 0.00401
1000
800
600
400
200
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

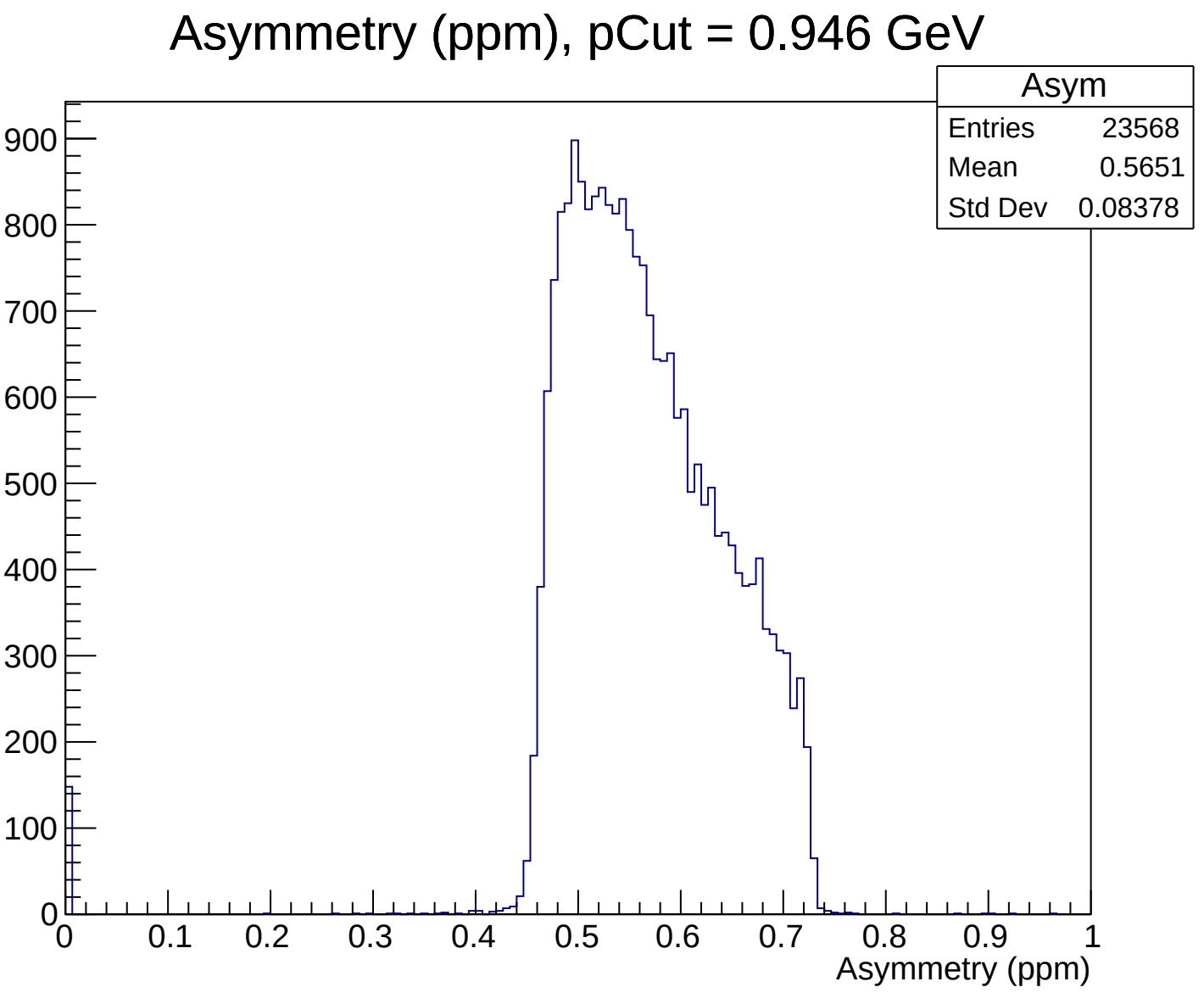
ADC raw (run2316, detZ = 1.3 m)

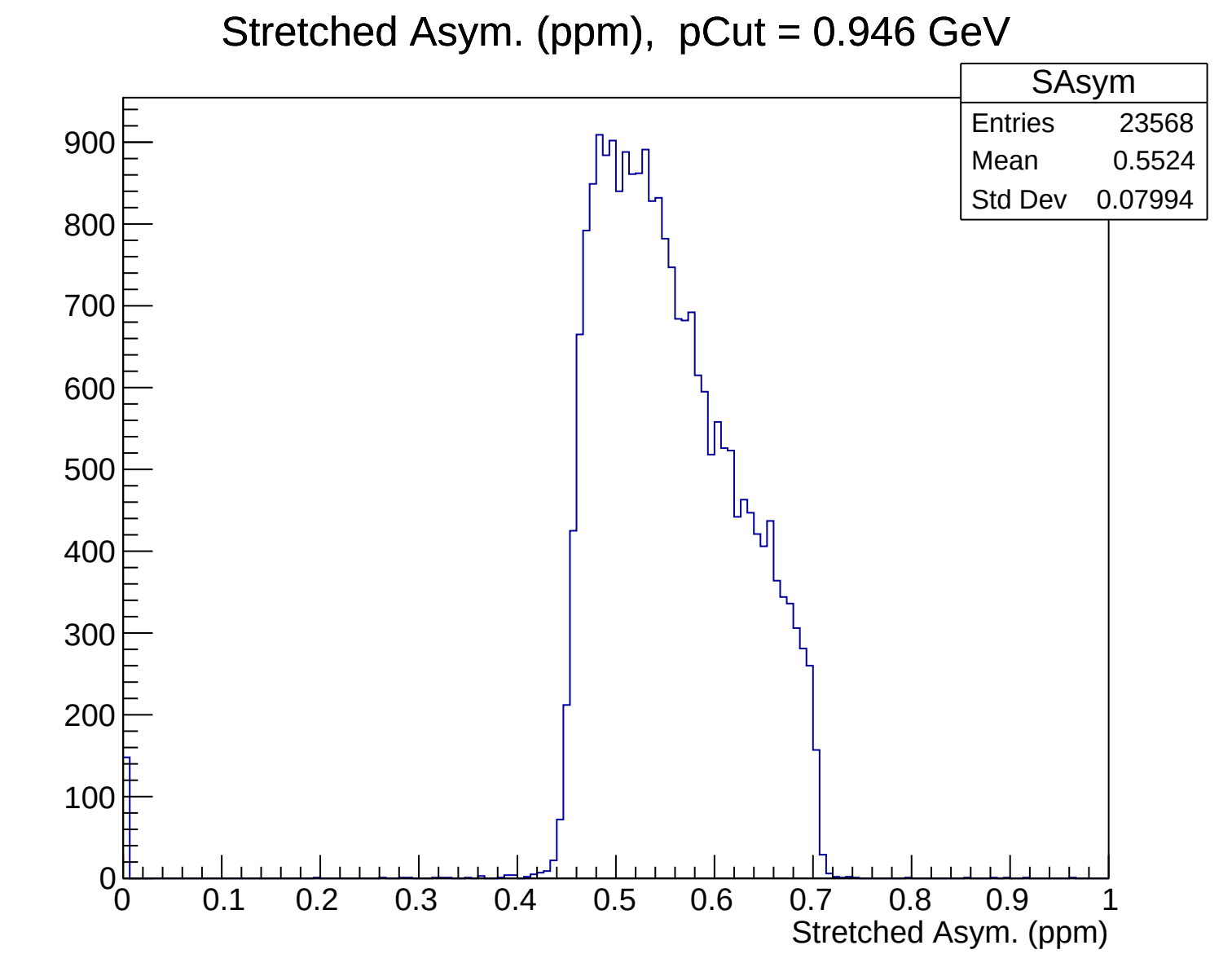


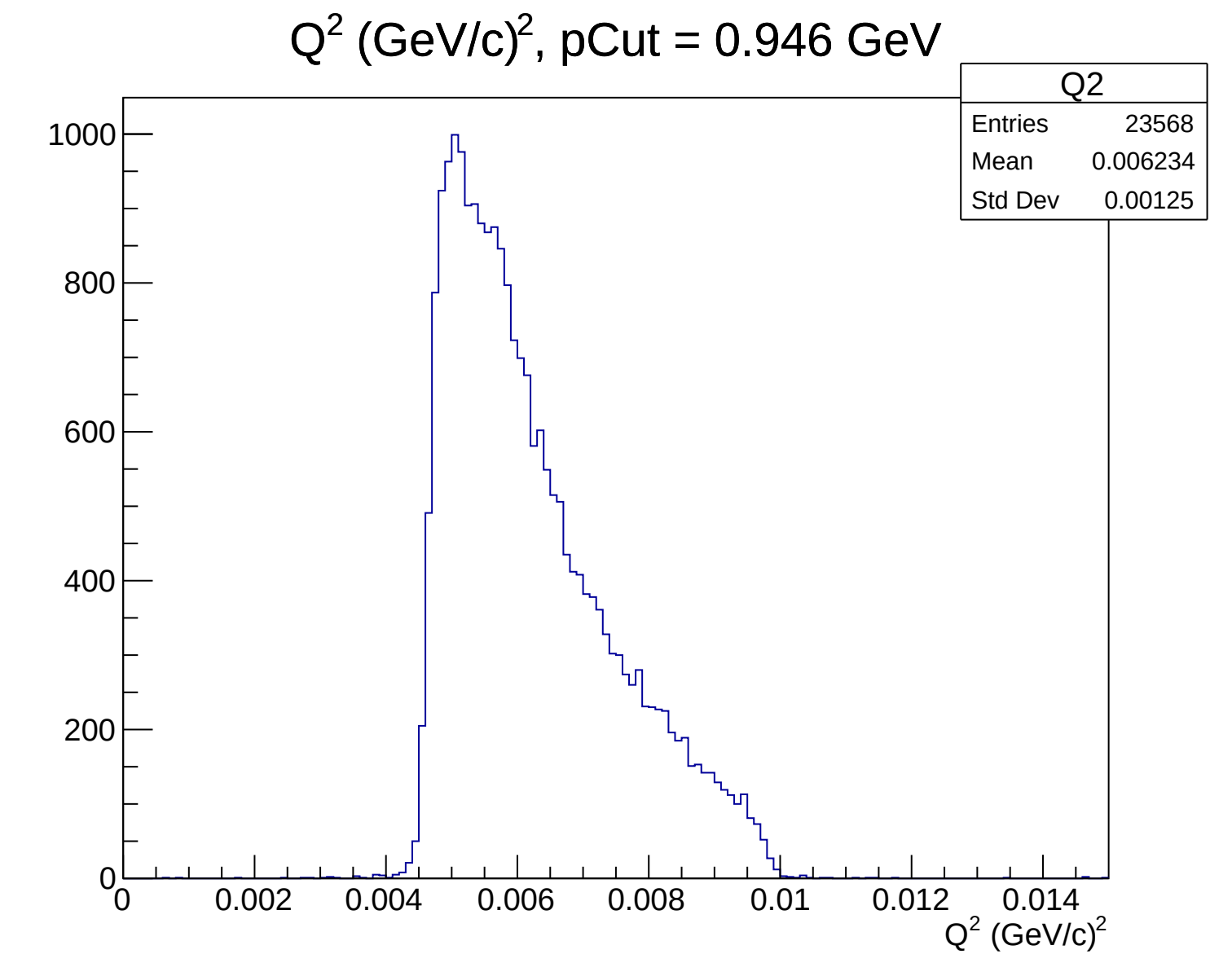
LHRS momentum run2316

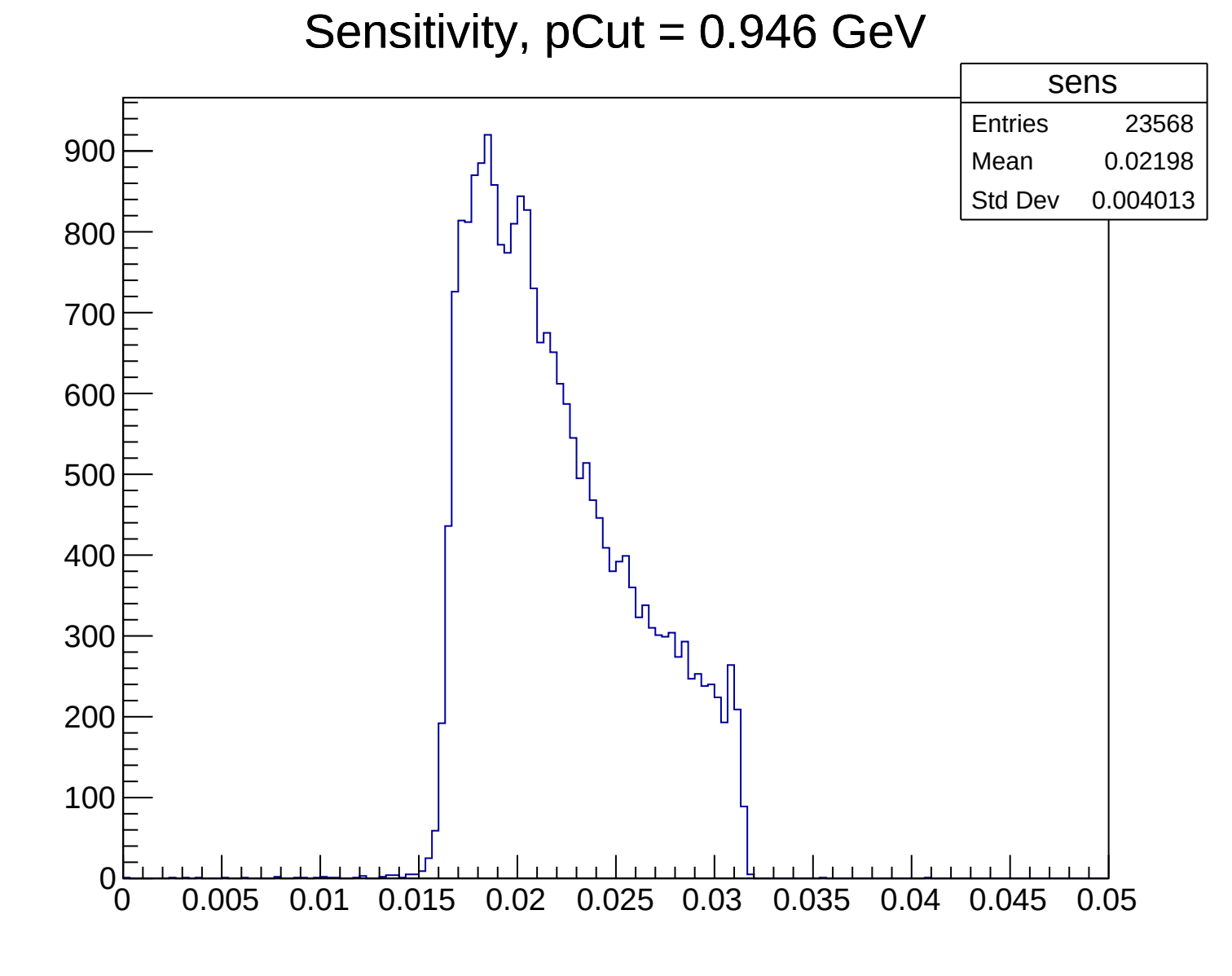



θlab (deg), pCut = 0.946 GeV
Theta
Entries 23568
Mean 4.744
Std Dev 0.4645
900
800
700
600
500
400
300
200
100
0
2
3
4
5
6
7
8
θlab (deg)

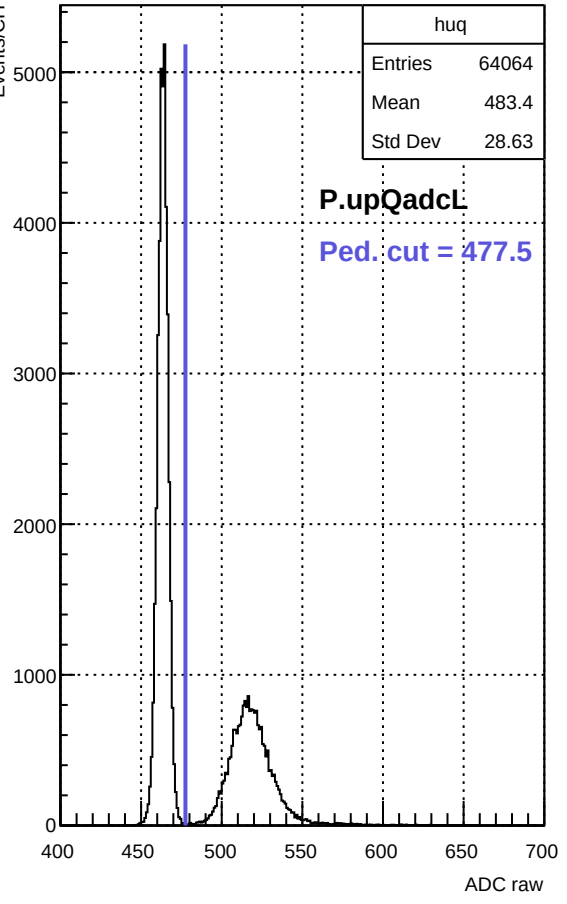

Asymmetry (ppm), pCut = 0.946 GeV
Asym
Entries 23568
Mean 0.5651
Std Dev 0.08378
900
800
700
600
500
400
300
200
100
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.946 GeV
SAsym
Entries 23568
Mean 0.5524
Std Dev 0.07994
900
800
700
600
500
400
300
200
100
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

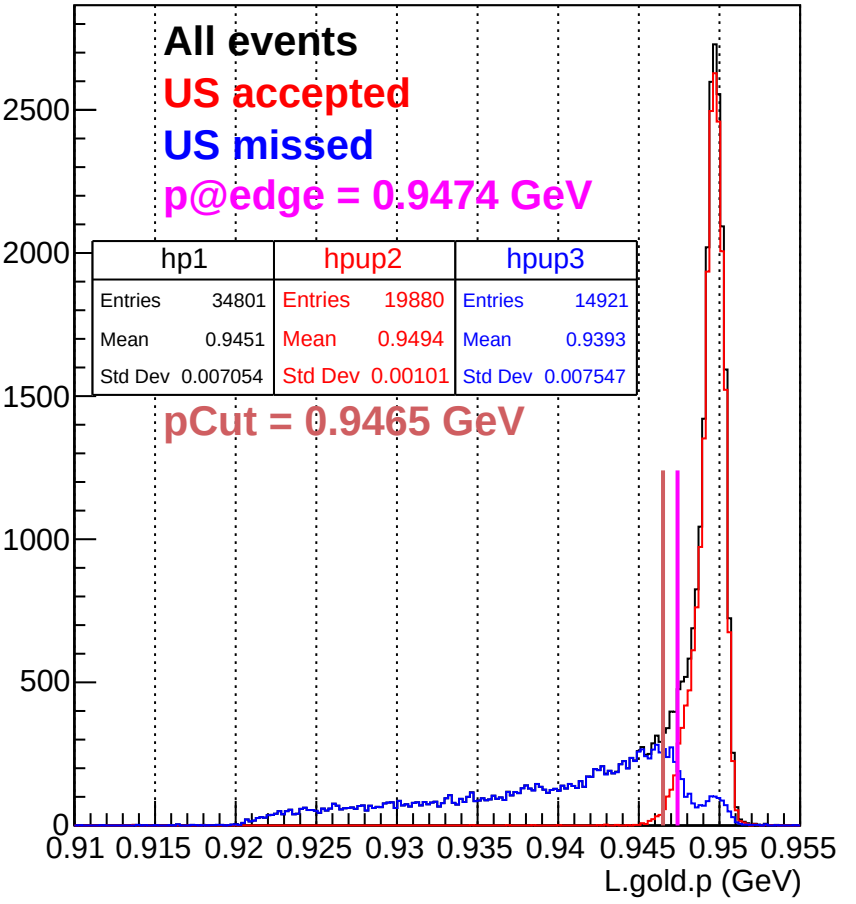

Q^2 (GeV/c)^2, pCut = 0.946 GeV
Q2
Entries 23568
Mean 0.006234
Std Dev 0.00125
1000
800
600
400
200
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

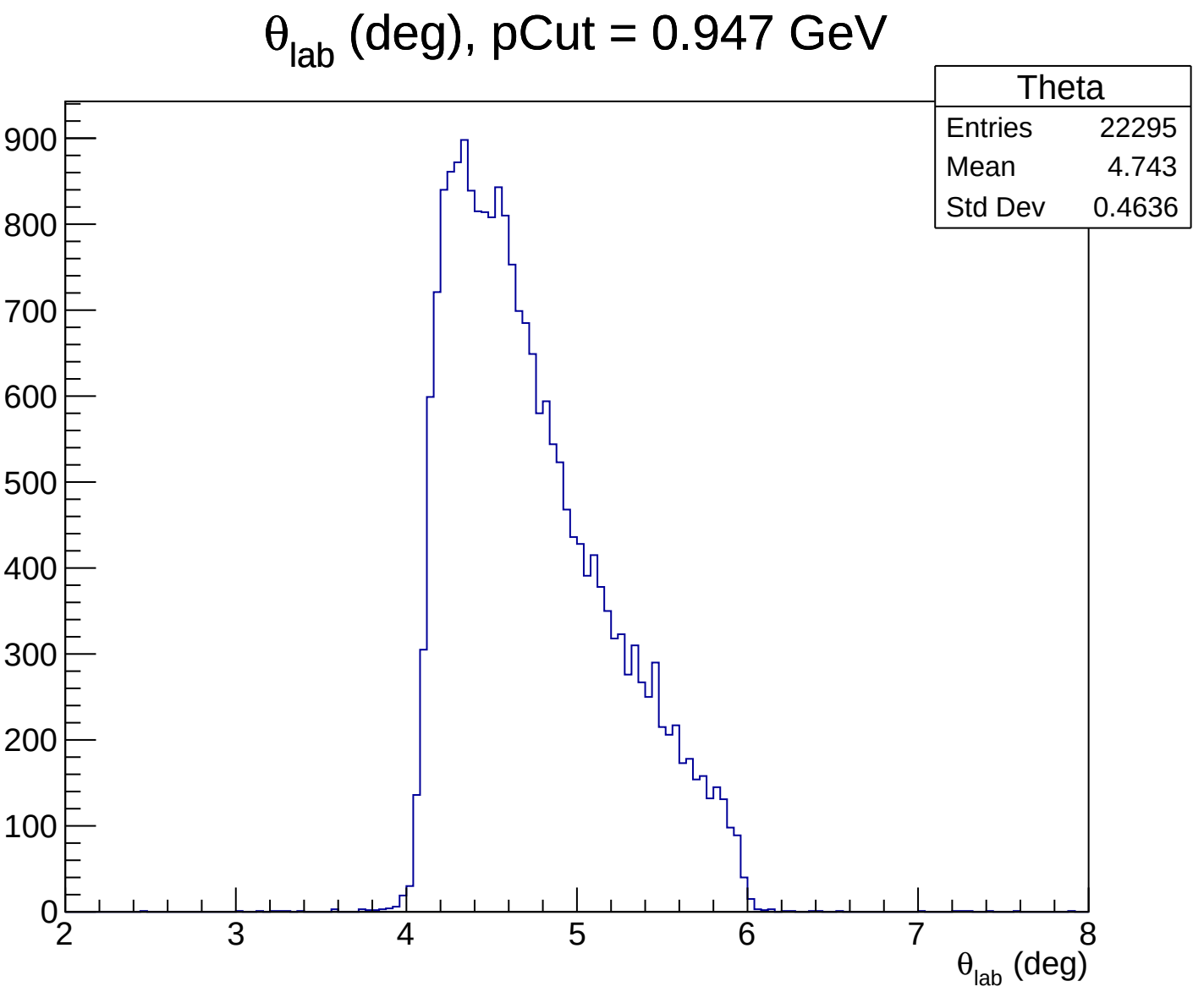

Sensitivity, pCut = 0.946 GeV
sens
Entries 23568
Mean 0.02198
Std Dev 0.004013
900
800
700
600
500
400
300
200
100
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

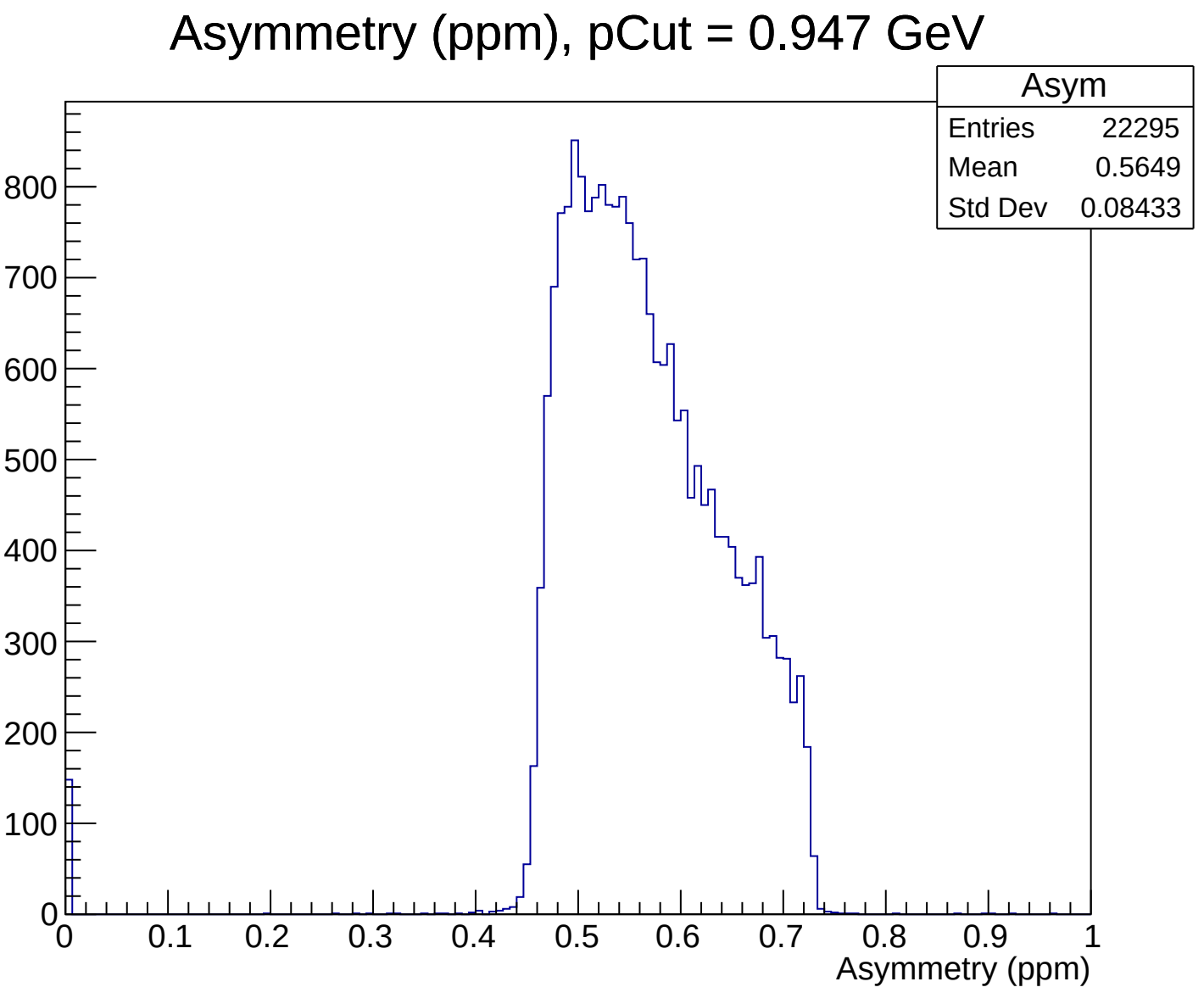
ADC raw (run2316, detZ = 1.3 m)

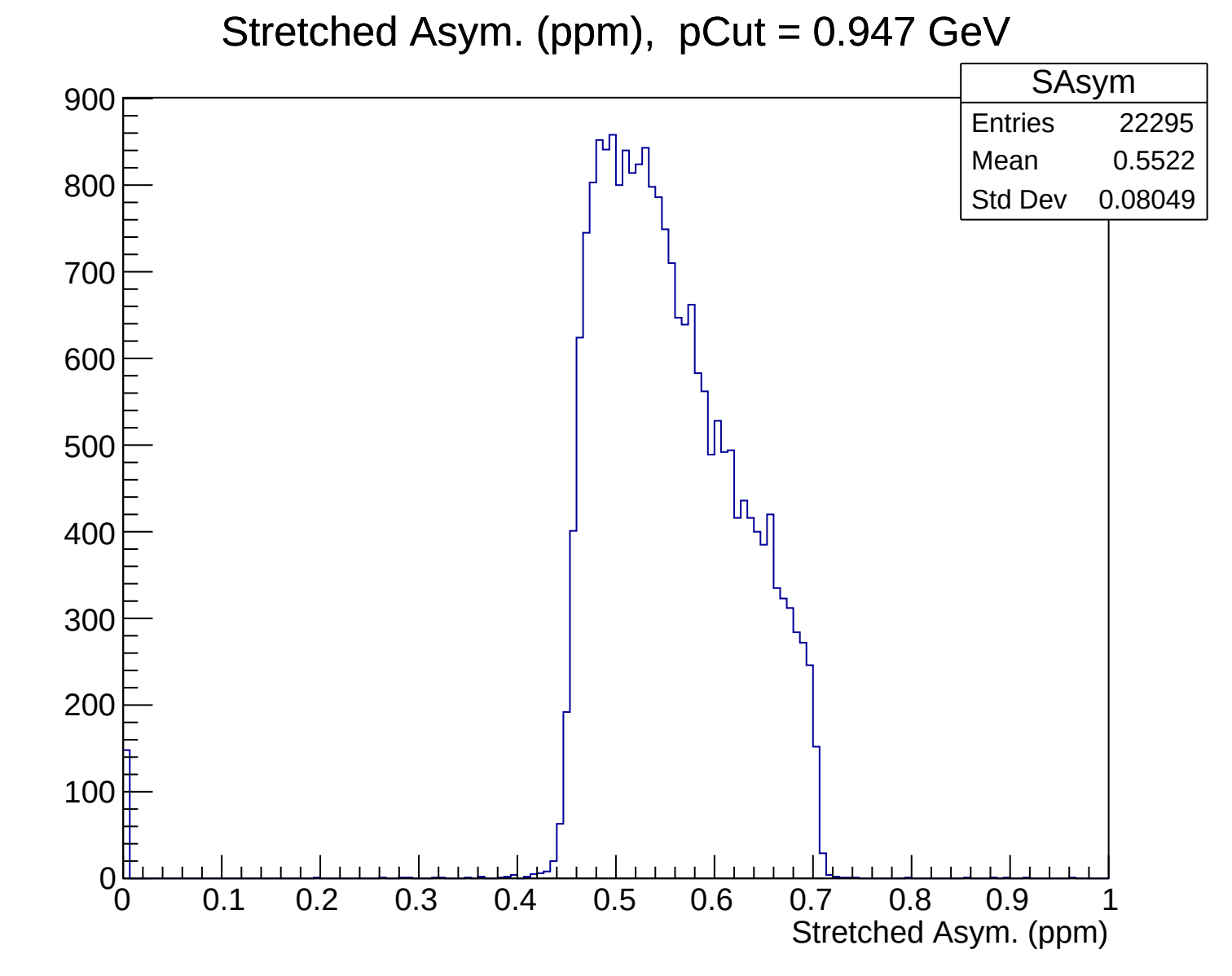


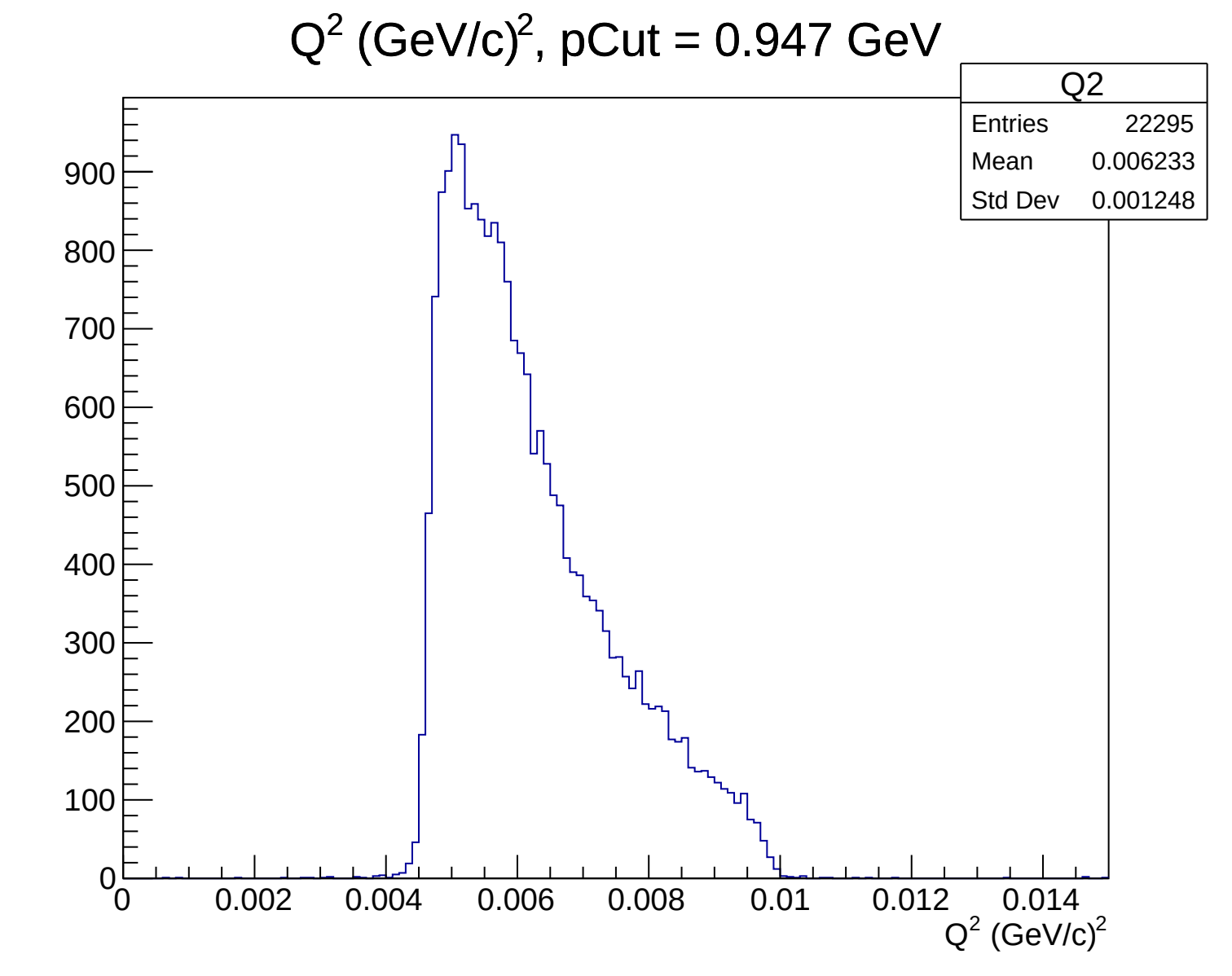
LHRS momentum run2316

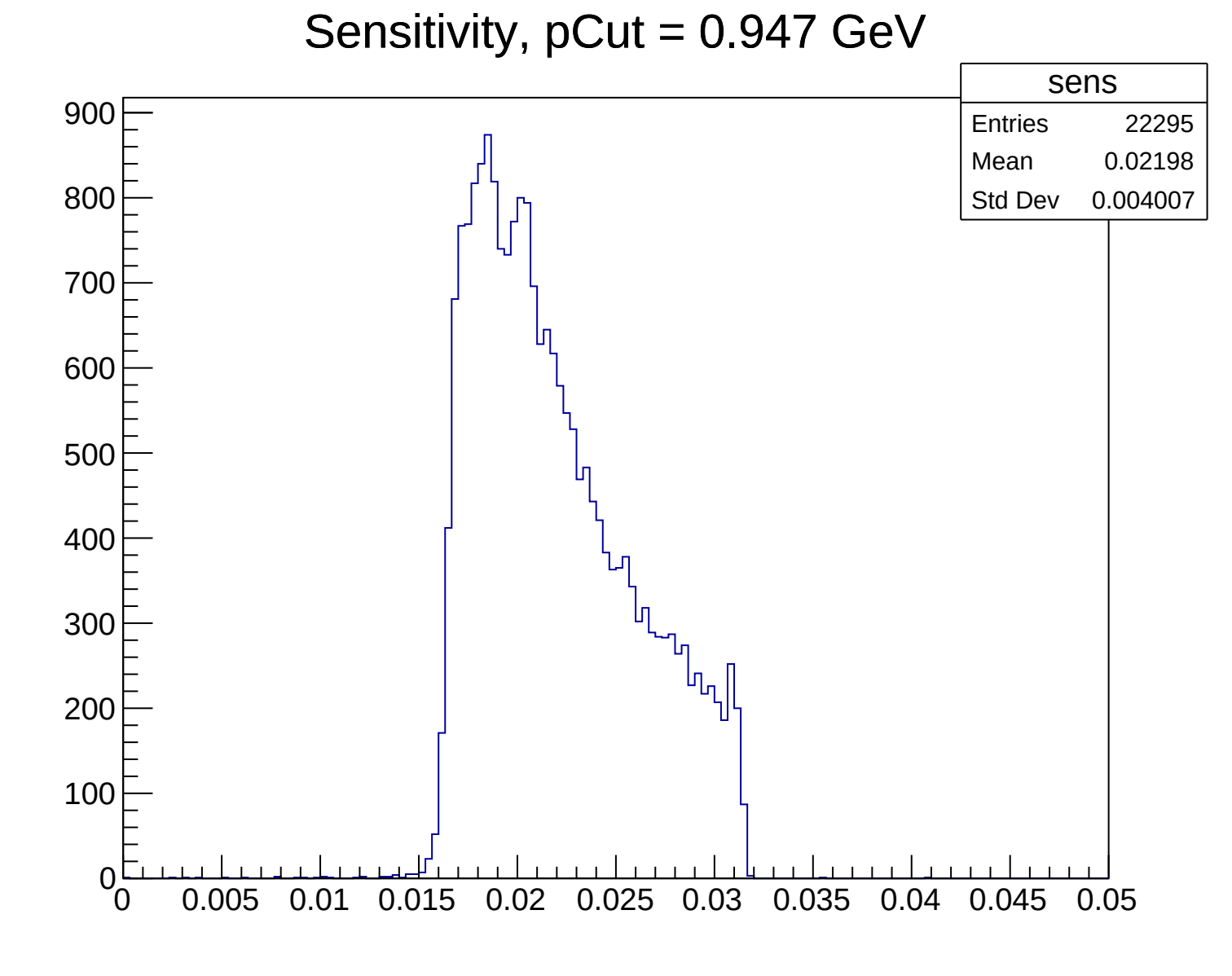



θlab (deg), pCut = 0.947 GeV
Theta
Entries 22295
Mean 4.743
Std Dev 0.4636
900
800
700
600
500
400
300
200
100
0
2
3
4
5
6
7
8
θlab (deg)

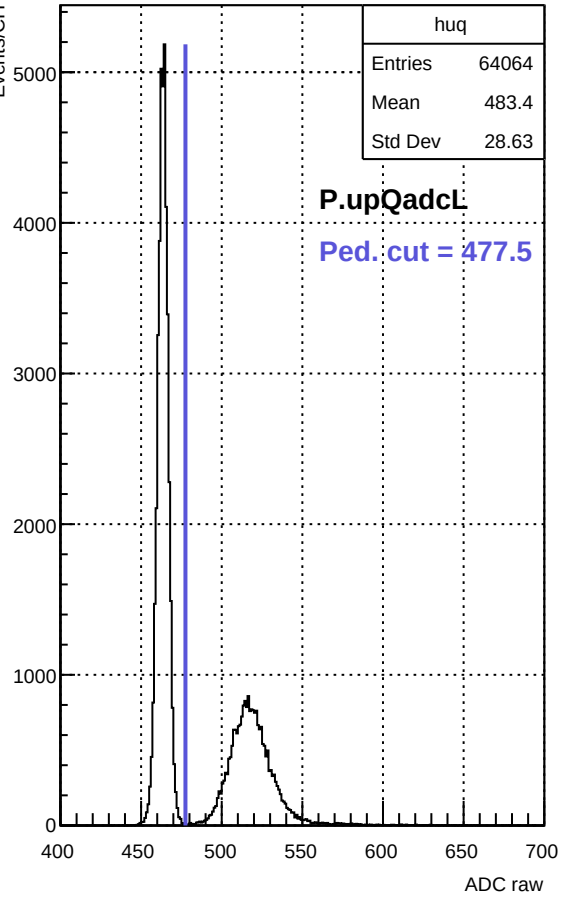

Asymmetry (ppm), pCut = 0.947 GeV
Asym
Entries 22295
Mean 0.5649
Std Dev 0.08433
800
700
600
500
400
300
200
100
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.947 GeV
SAsym
Entries 22295
Mean 0.5522
Std Dev 0.08049
900
800
700
600
500
400
300
200
100
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Stretched Asym. (ppm)

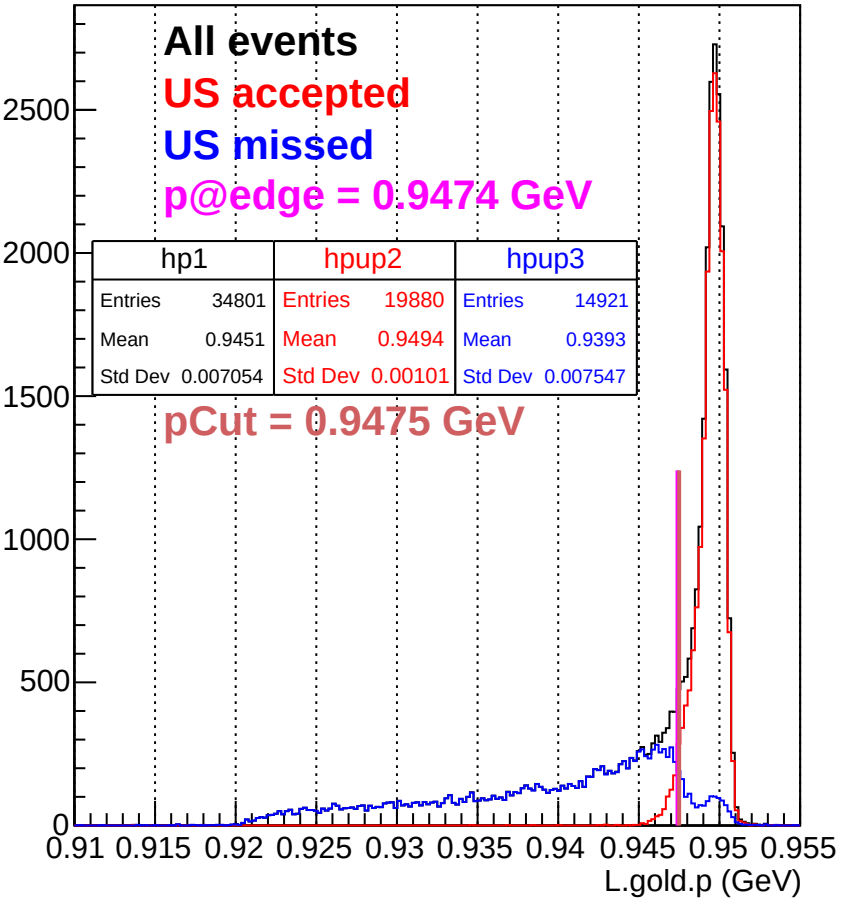

Q^2 (GeV/c)^2, pCut = 0.947 GeV
Q2
Entries 22295
Mean 0.006233
Std Dev 0.001248
900
800
700
600
500
400
300
200
100
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

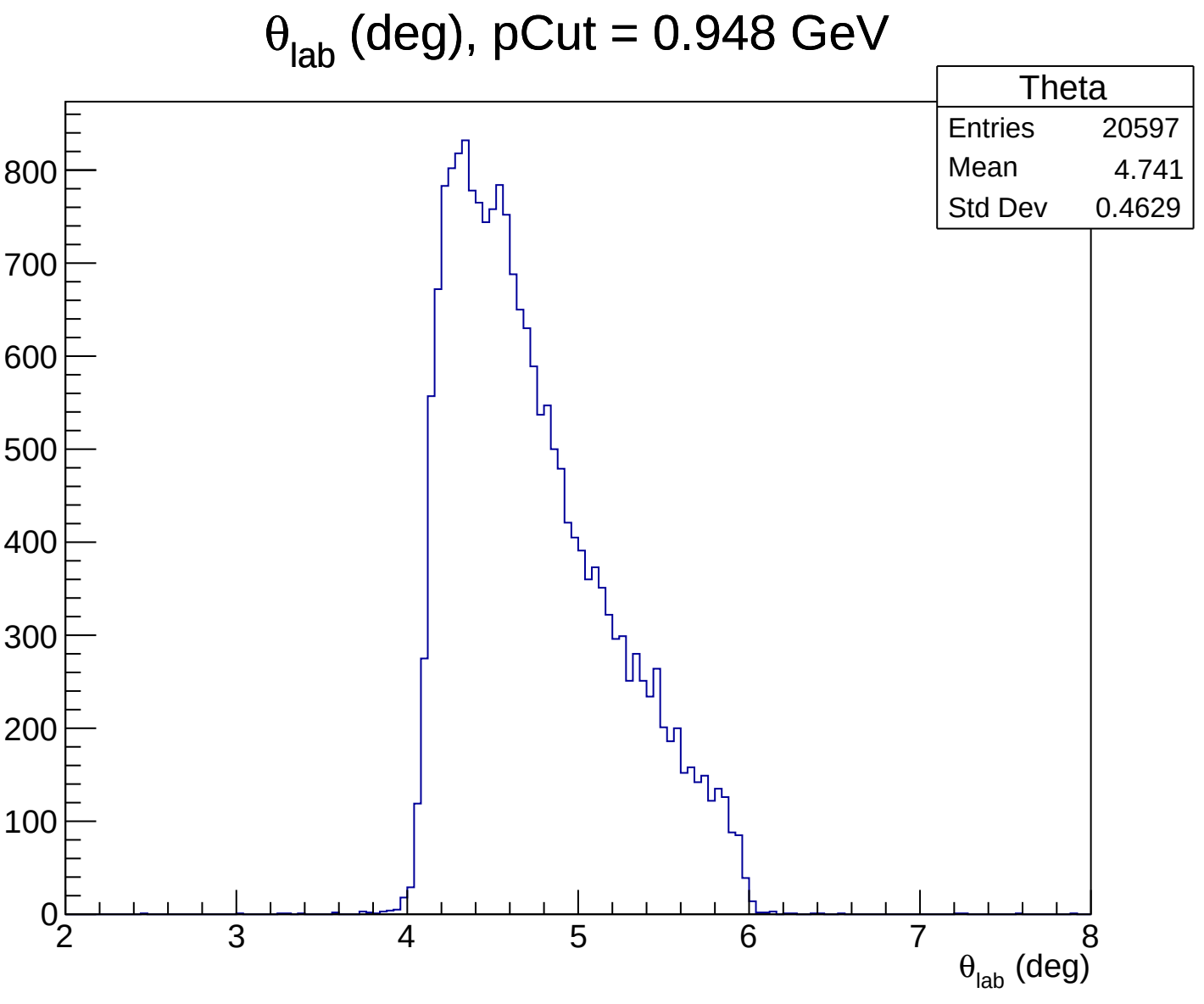

Sensitivity, pCut = 0.947 GeV
sens
Entries 22295
Mean 0.02198
Std Dev 0.004007
900
800
700
600
500
400
300
200
100
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

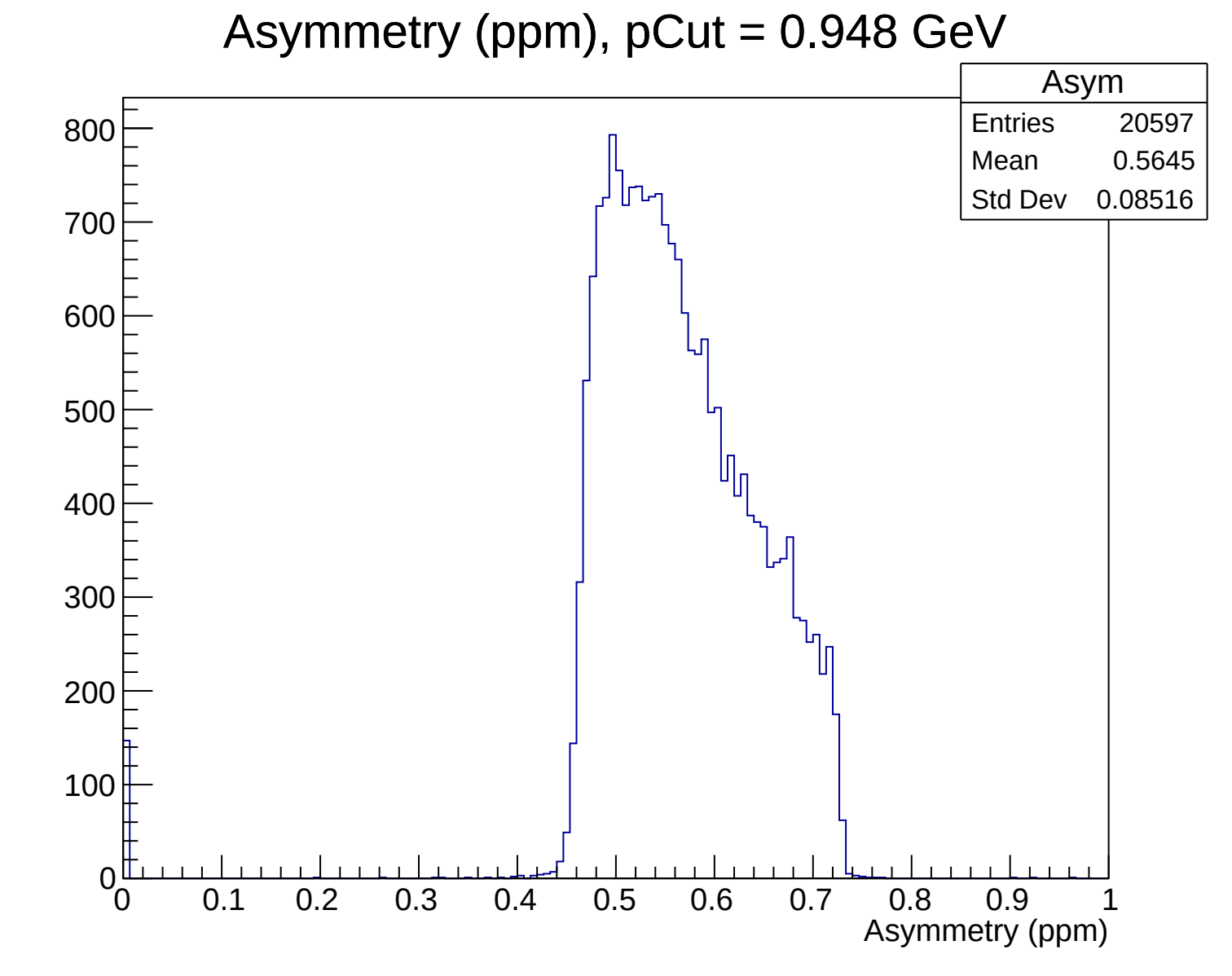
ADC raw (run2316, detZ = 1.3 m)

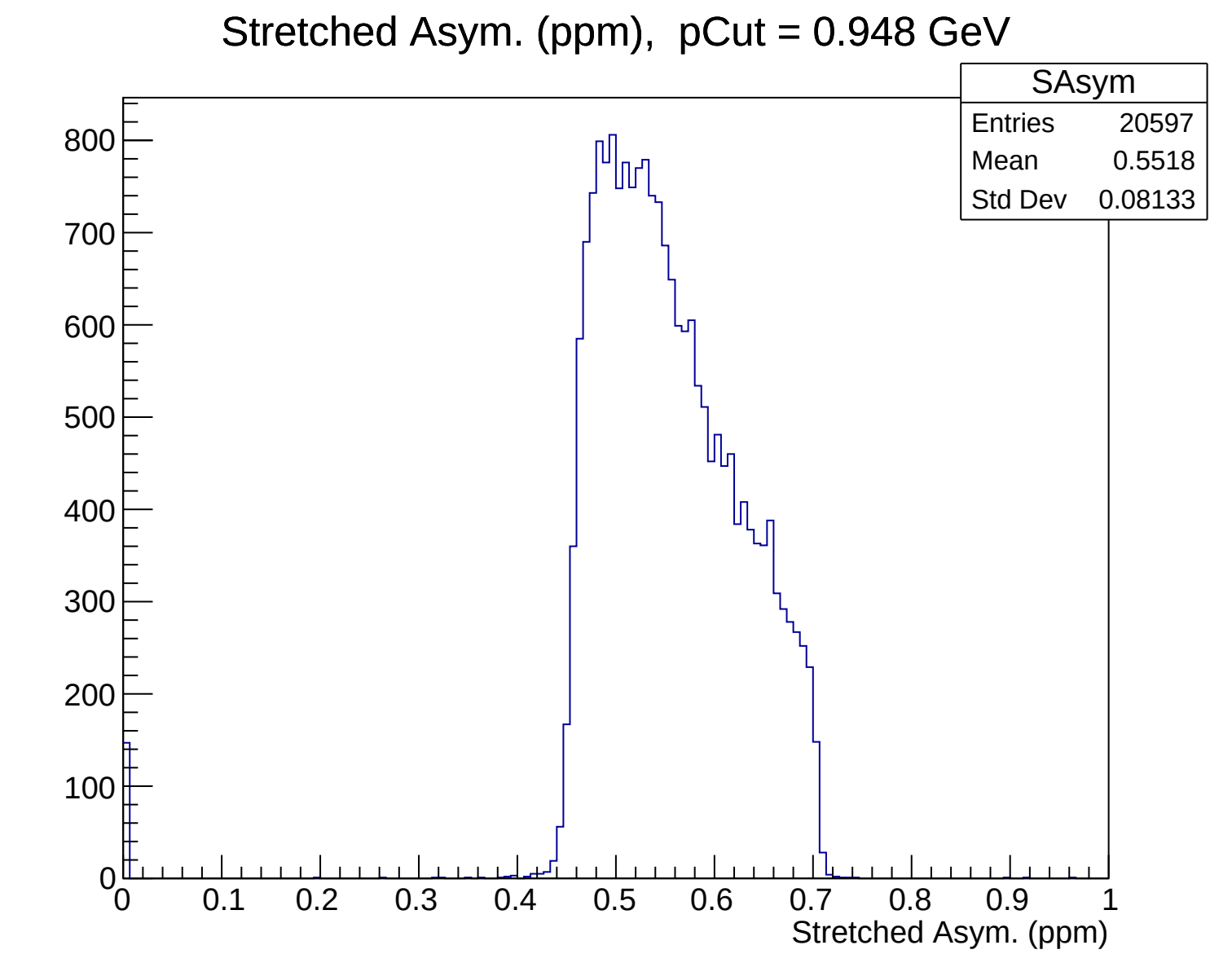


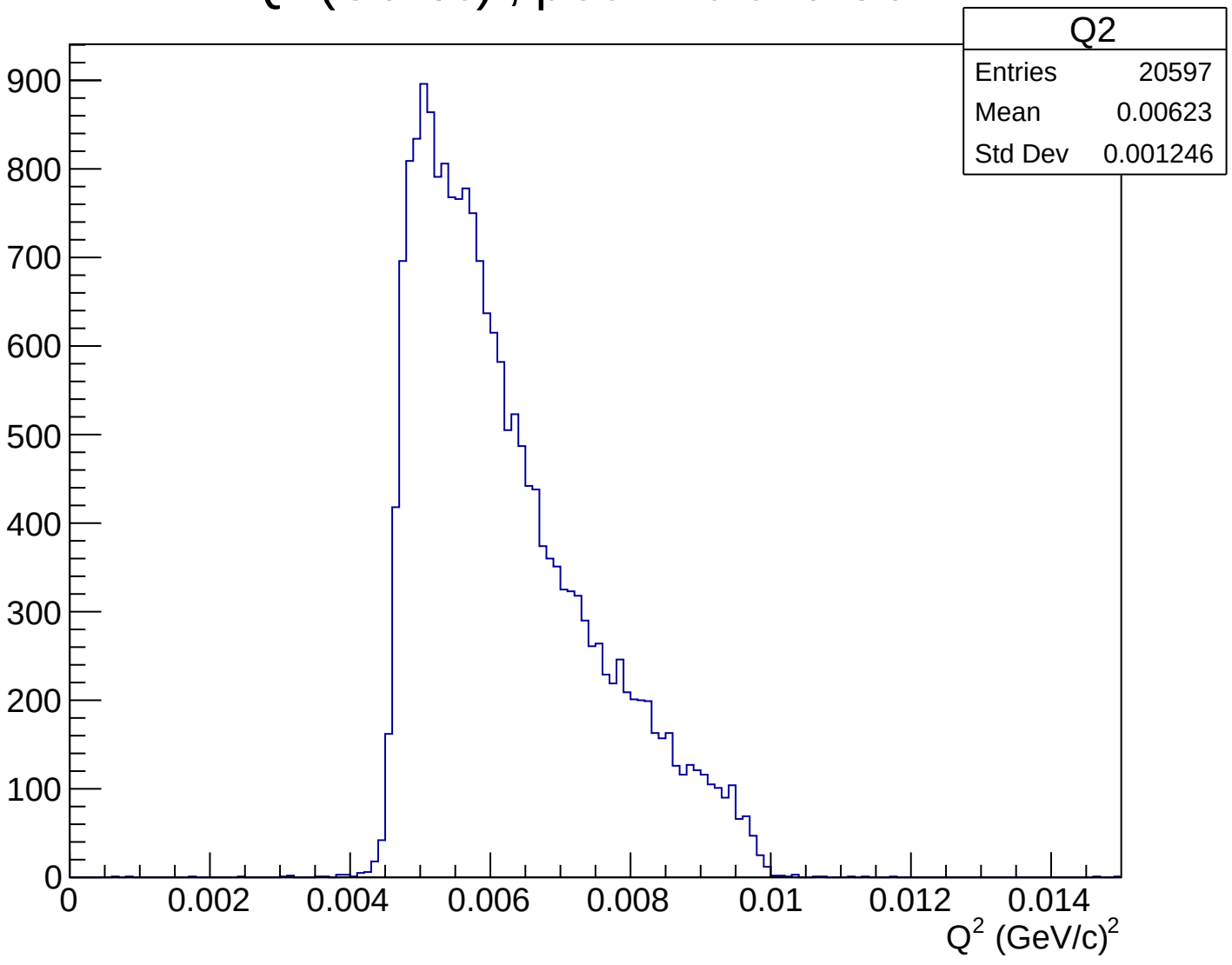
LHRS momentum run2316

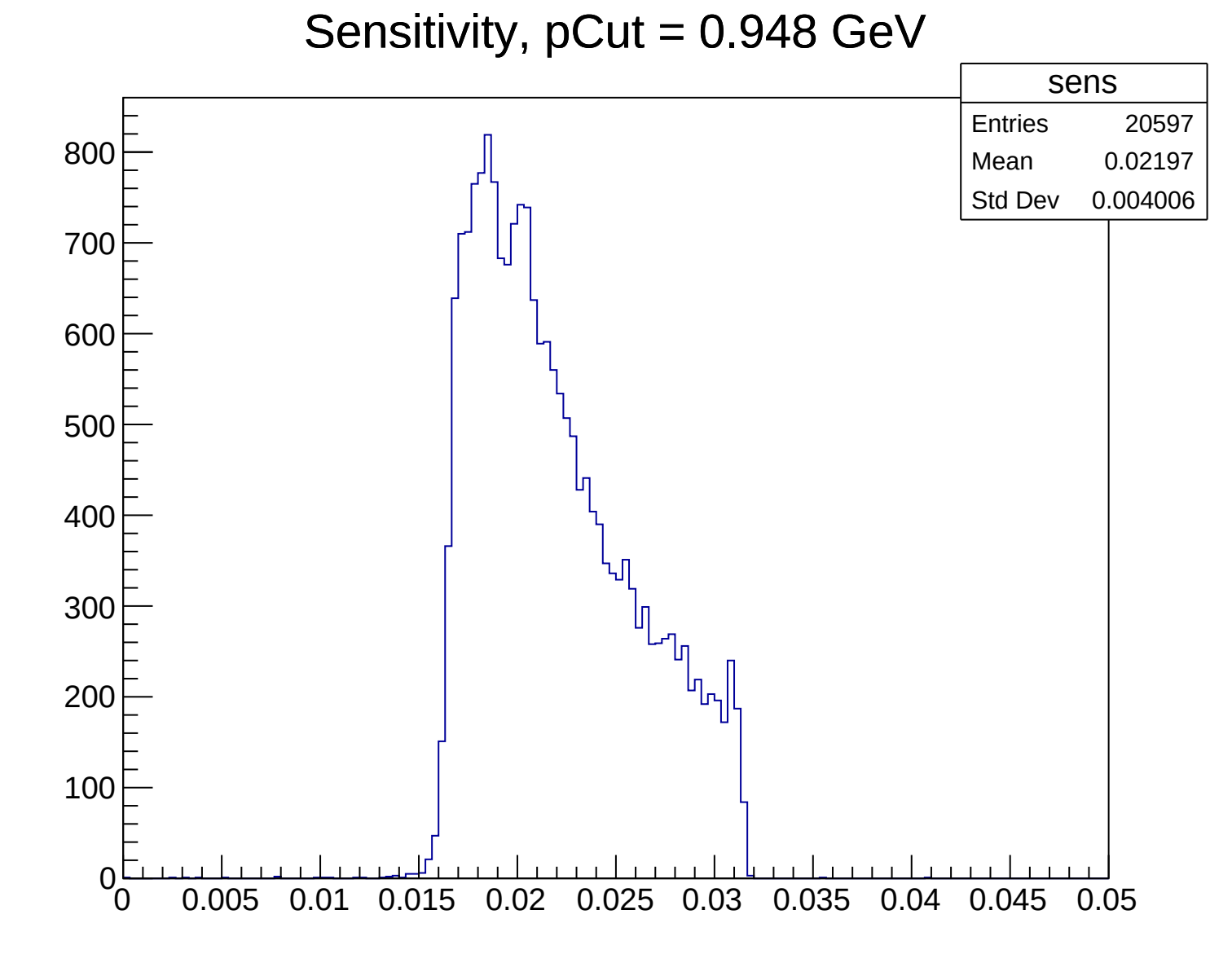



θlab (deg), pCut = 0.948 GeV
Theta
Entries 20597
Mean 4.741
Std Dev 0.4629
800
700
600
500
400
300
200
100
0
2
3
4
5
6
7
8
θlab (deg)

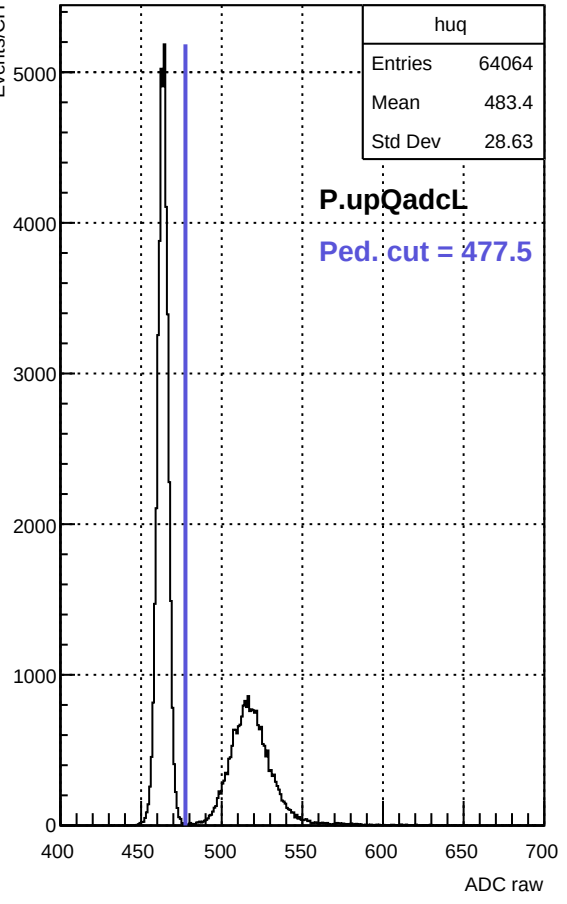

Asymmetry (ppm), pCut = 0.948 GeV
Asym
Entries 20597
Mean 0.5645
Std Dev 0.08516
800
700
600
500
400
300
200
100
0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
Asymmetry (ppm)


Stretched Asym. (ppm), pCut = 0.948 GeV
SAsym
Entries 20597
Mean 0.5518
Std Dev 0.08133
800
700
600
500
400
300
200
100
0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
Stretched Asym. (ppm)

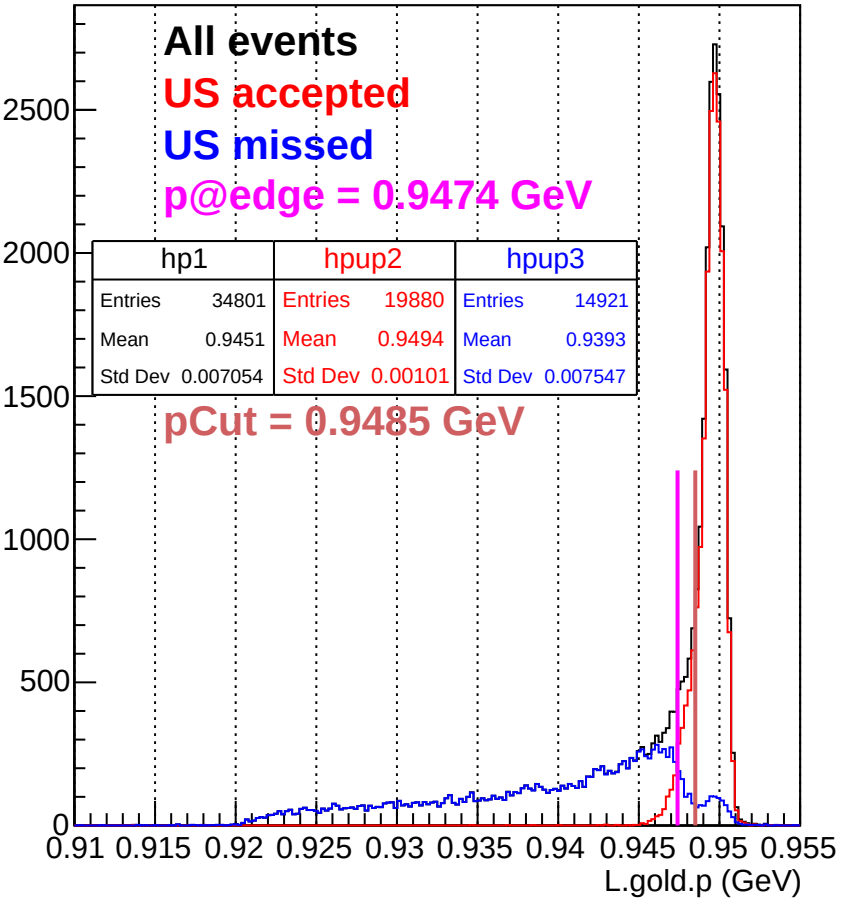

Q^2 (GeV/c)^2, pCut = 0.948 GeV
Q2
Entries 20597
Mean 0.00623
Std Dev 0.001246
900
800
700
600
500
400
300
200
100
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

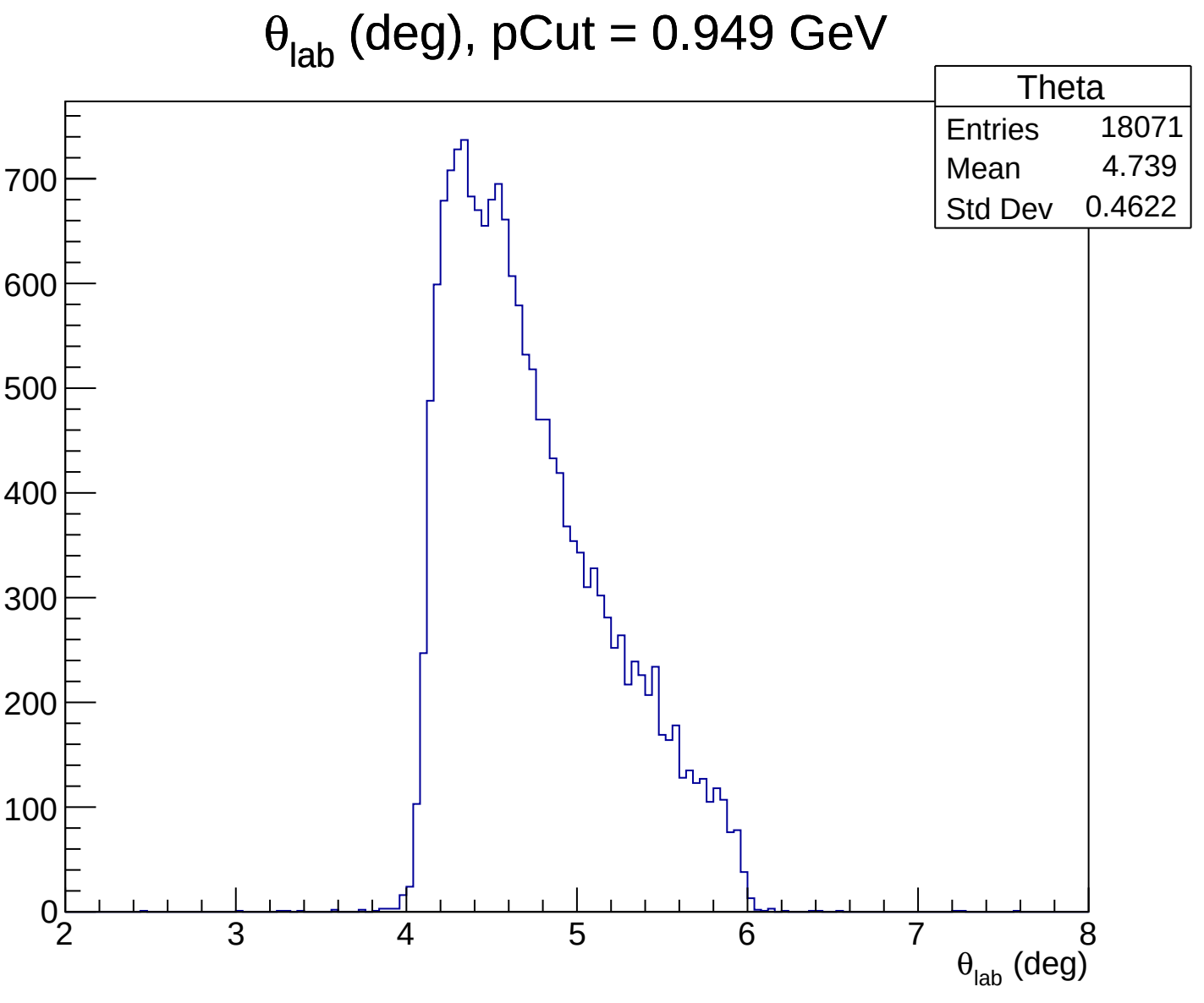

Sensitivity, pCut = 0.948 GeV
sens
Entries 20597
Mean 0.02197
Std Dev 0.004006
800
700
600
500
400
300
200
100
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05

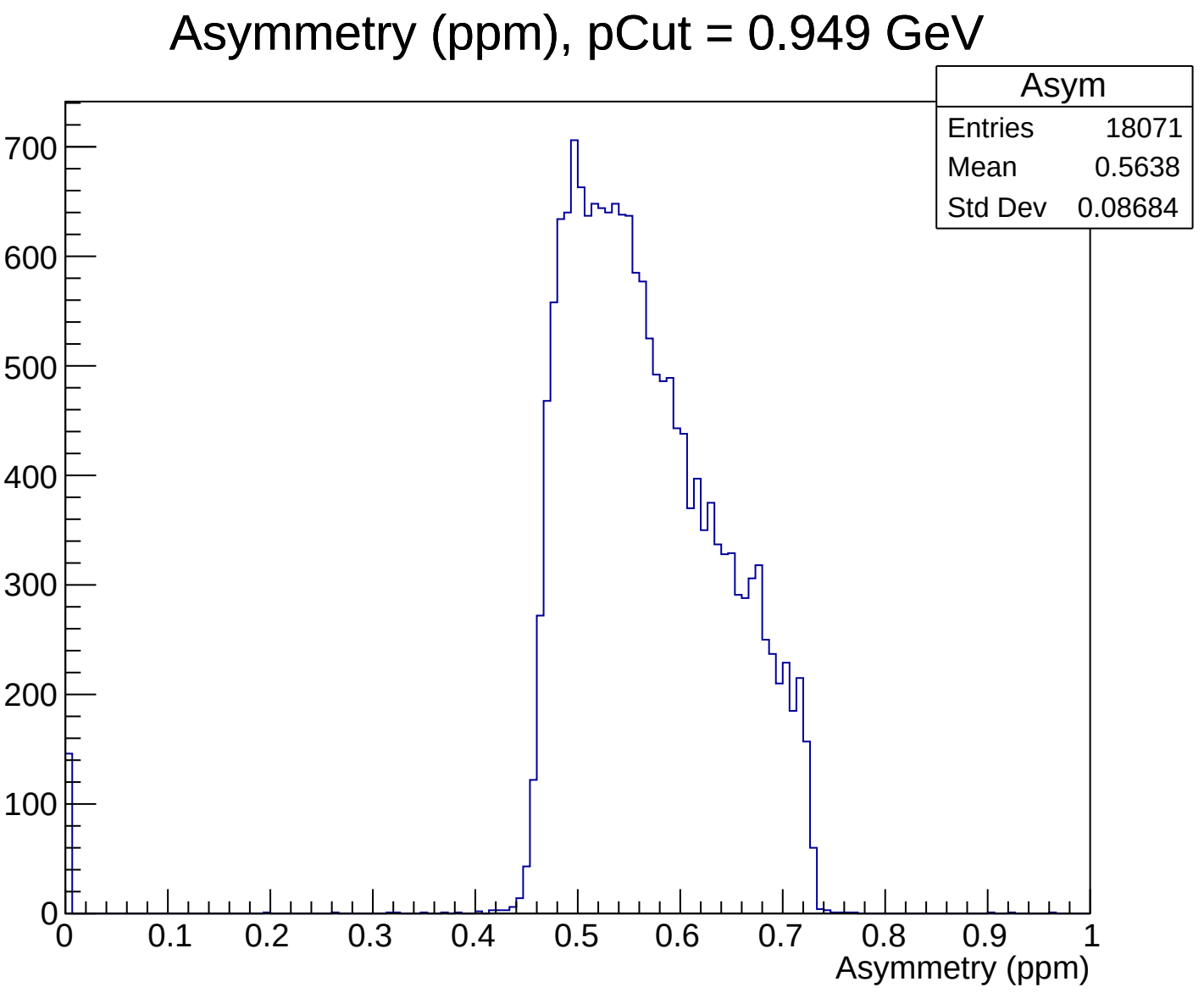
ADC raw (run2316, detZ = 1.3 m)

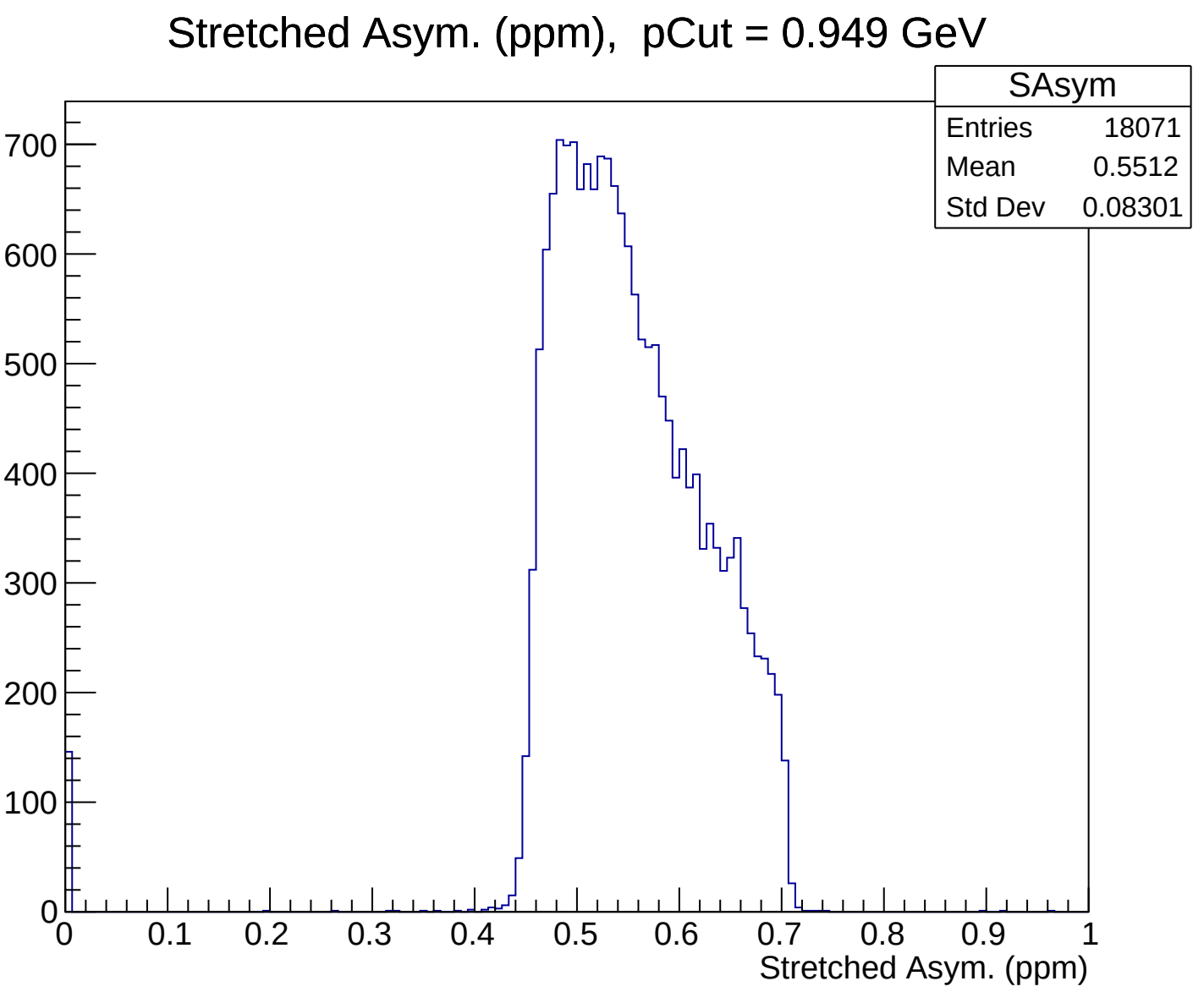


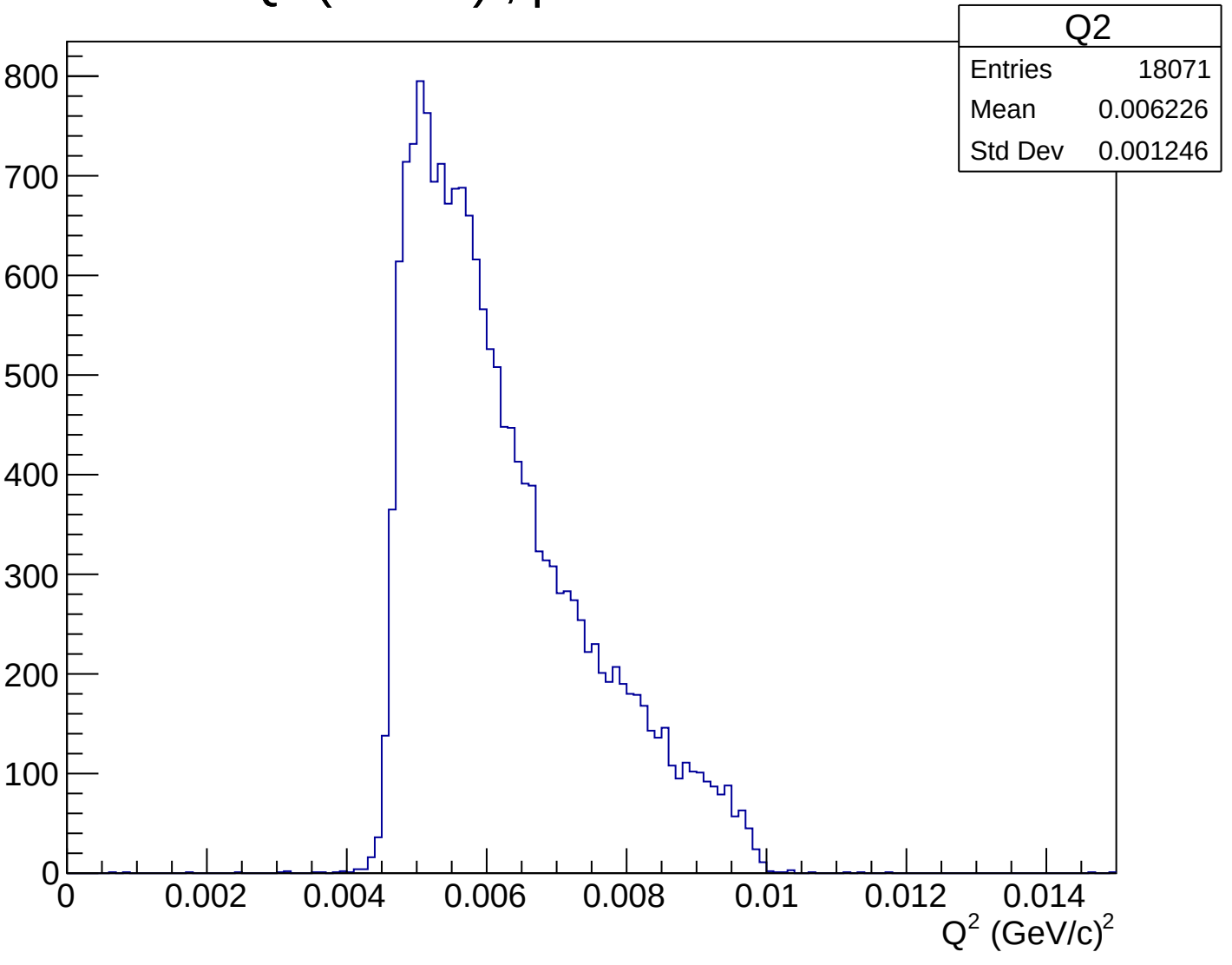
LHRS momentum run2316

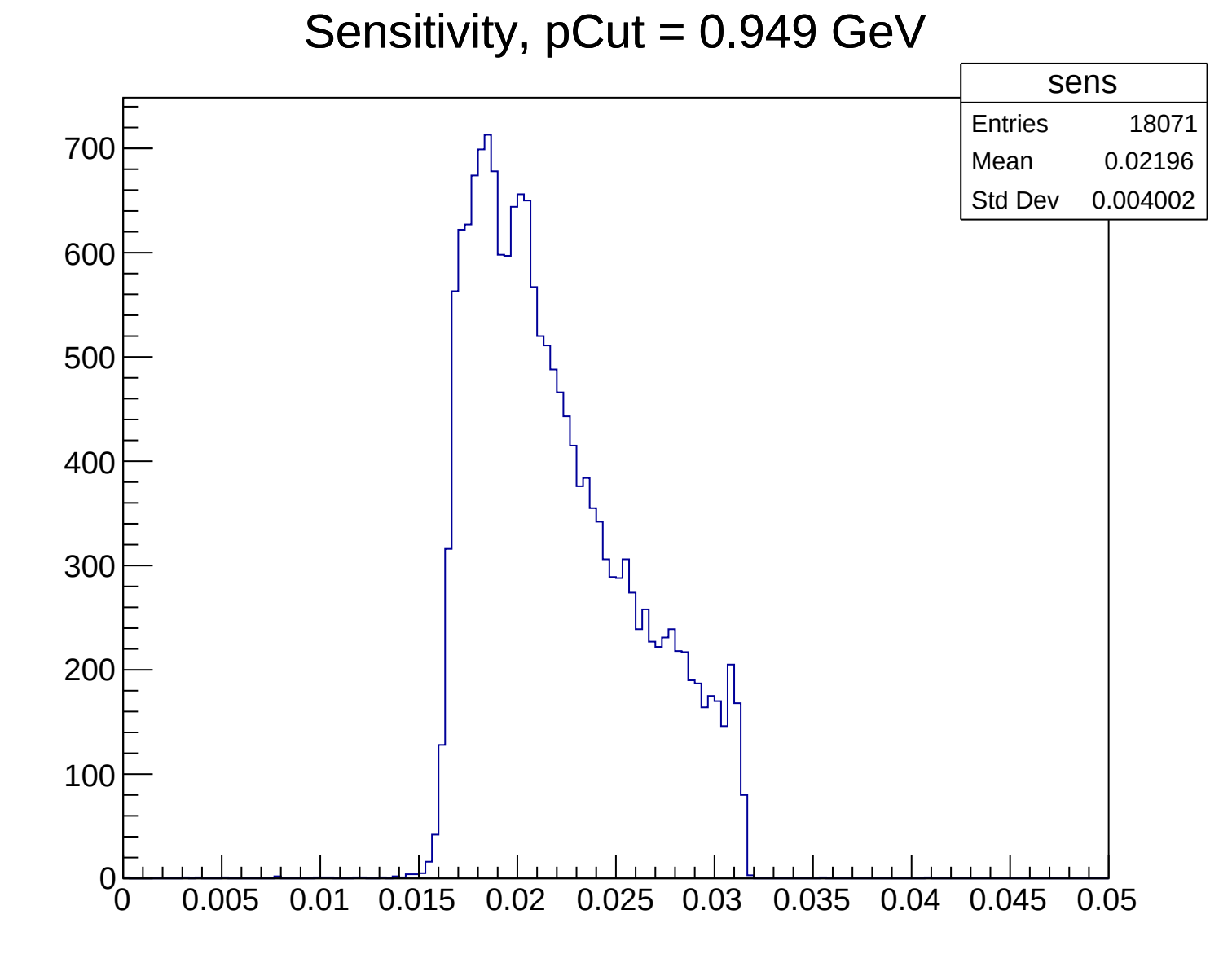



θlab (deg), pCut = 0.949 GeV
Theta
Entries 18071
Mean 4.739
Std Dev 0.4622
700
600
500
400
300
200
100
0
2
3
4
5
6
7
8
θlab (deg)


Asymmetry (ppm), pCut = 0.949 GeV
Asym
Entries 18071
Mean 0.5638
Std Dev 0.08684
700
600
500
400
300
200
100
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 = 0.949 GeV
SAsym
Entries 18071
Mean 0.5512
Std Dev 0.08301
700
600
500
400
300
200
100
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 = 0.949 GeV
Q2
Entries 18071
Mean 0.006226
Std Dev 0.001246
800
700
600
500
400
300
200
100
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2


Sensitivity, pCut = 0.949 GeV
sens
Entries 18071
Mean 0.02196
Std Dev 0.004002
700
600
500
400
300
200
100
0
0
0.005
0.01
0.015
0.02
0.025
0.03
0.035
0.04
0.045
0.05