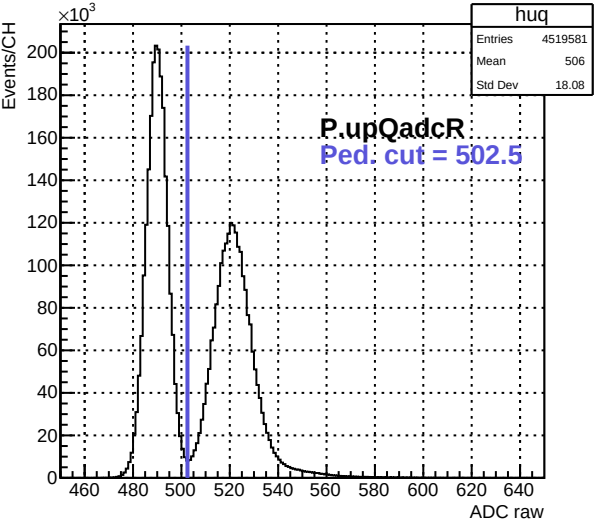
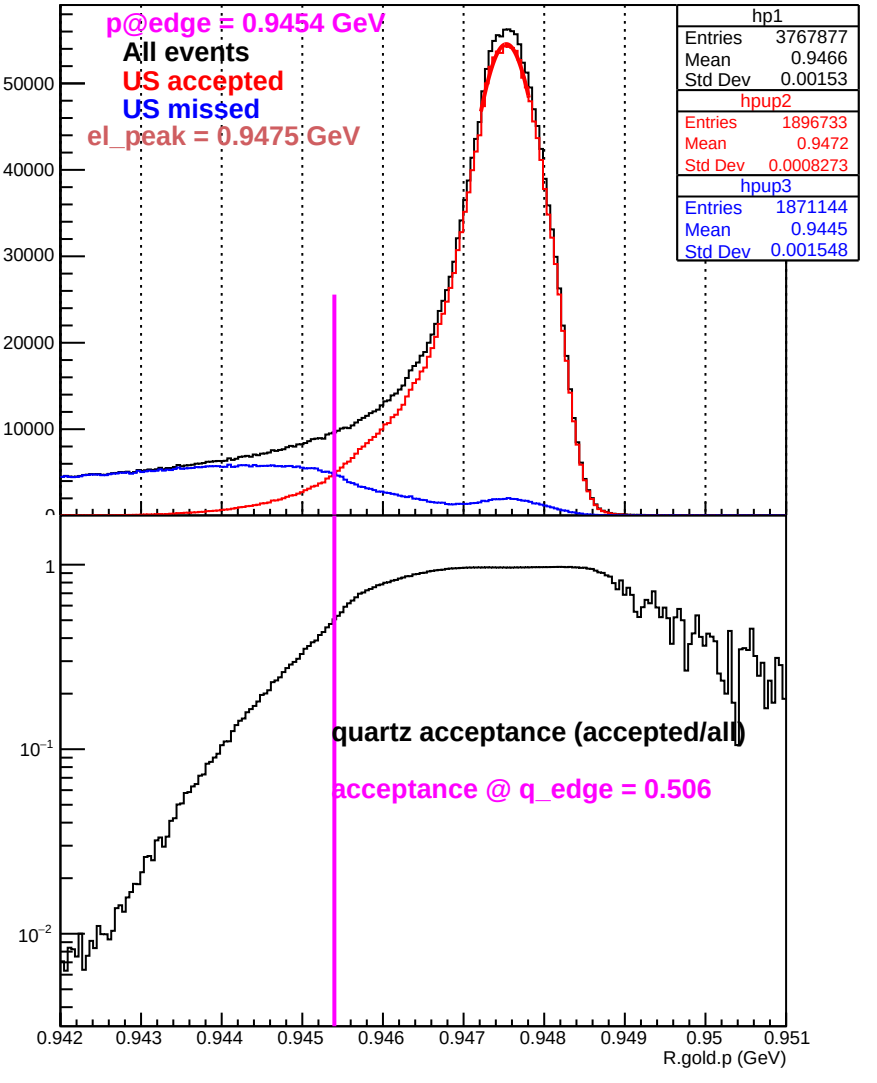
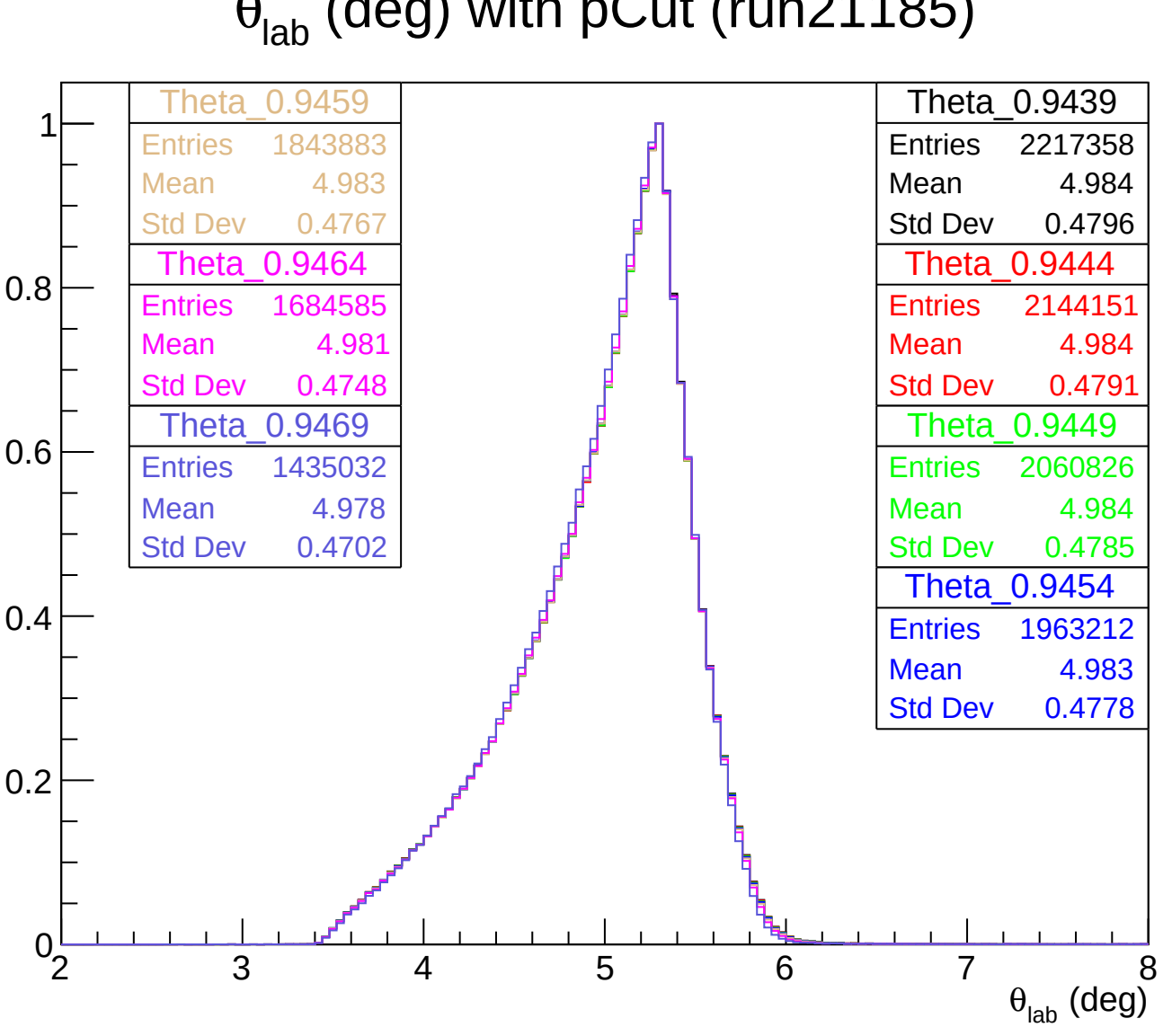
ADC raw (run21185, detZ = 1.3 m)

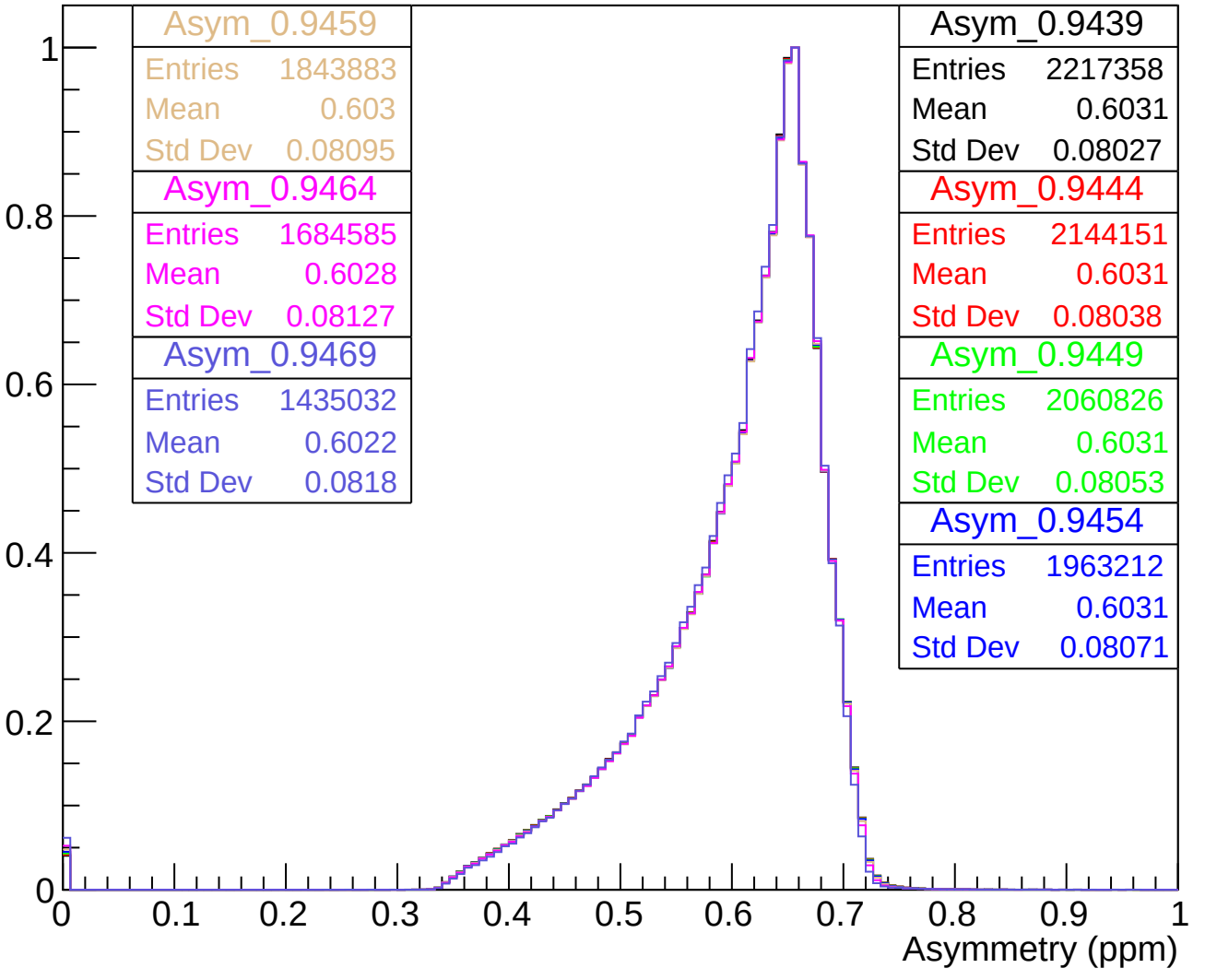


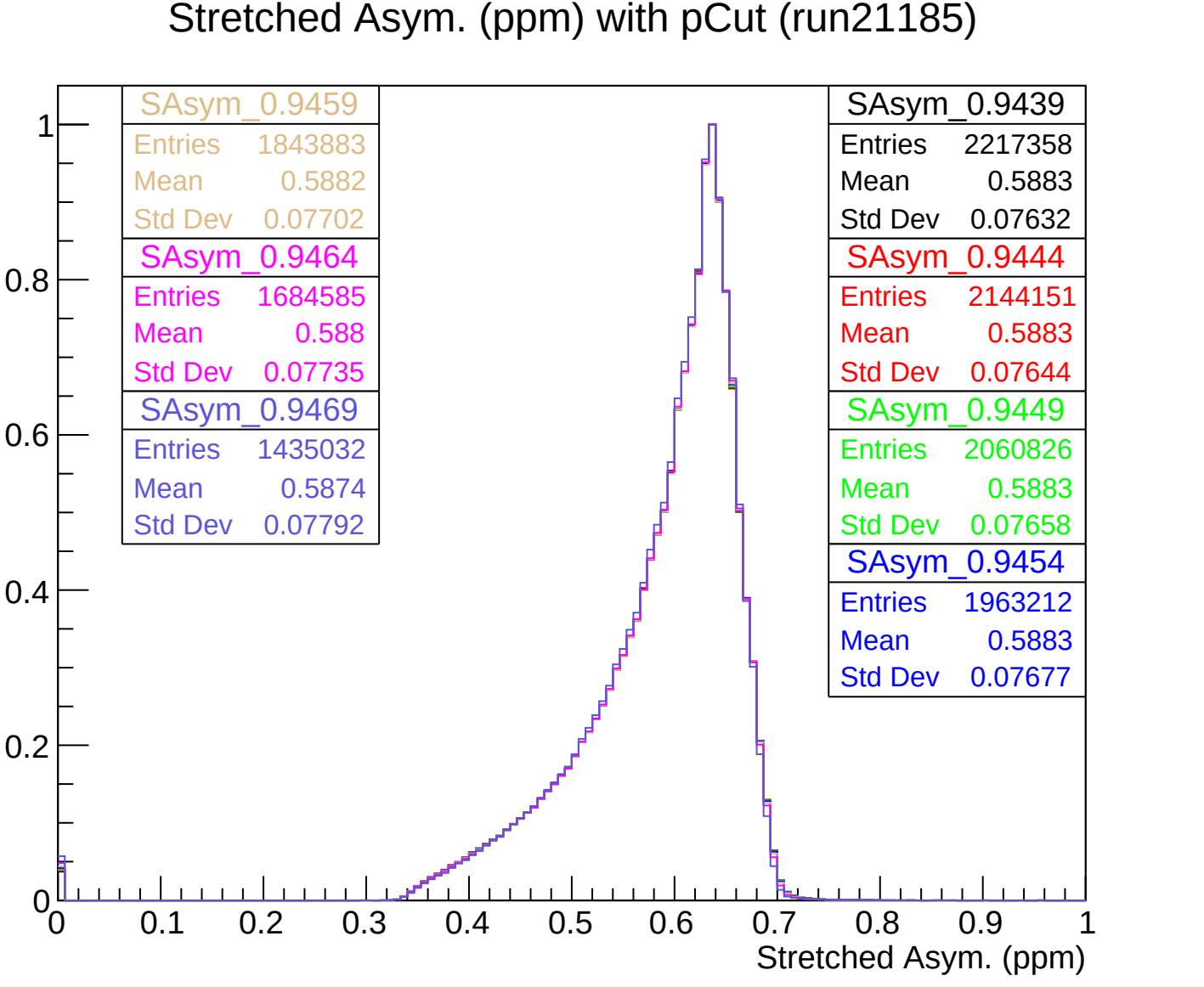
RHRS momentum (run21185)

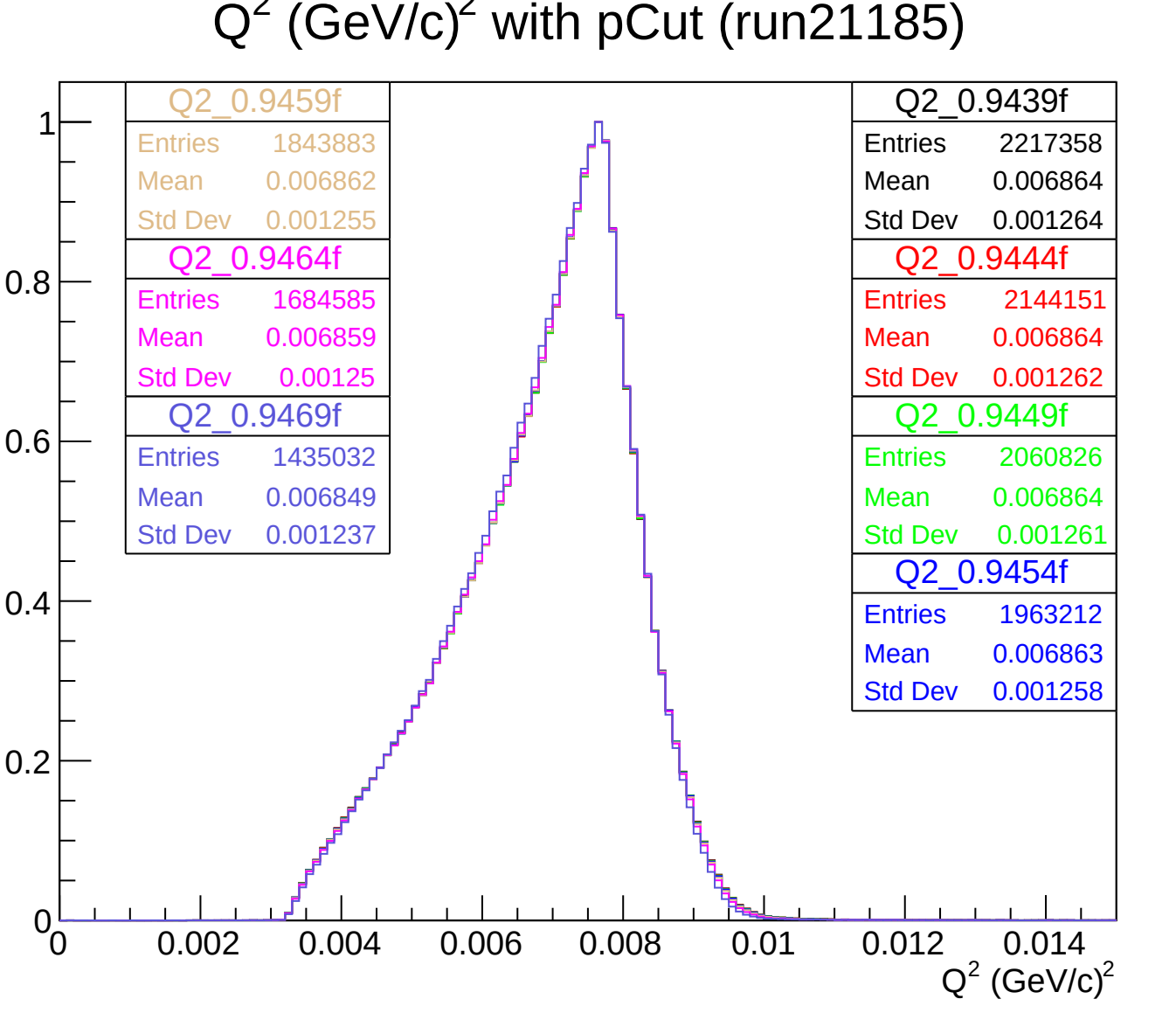
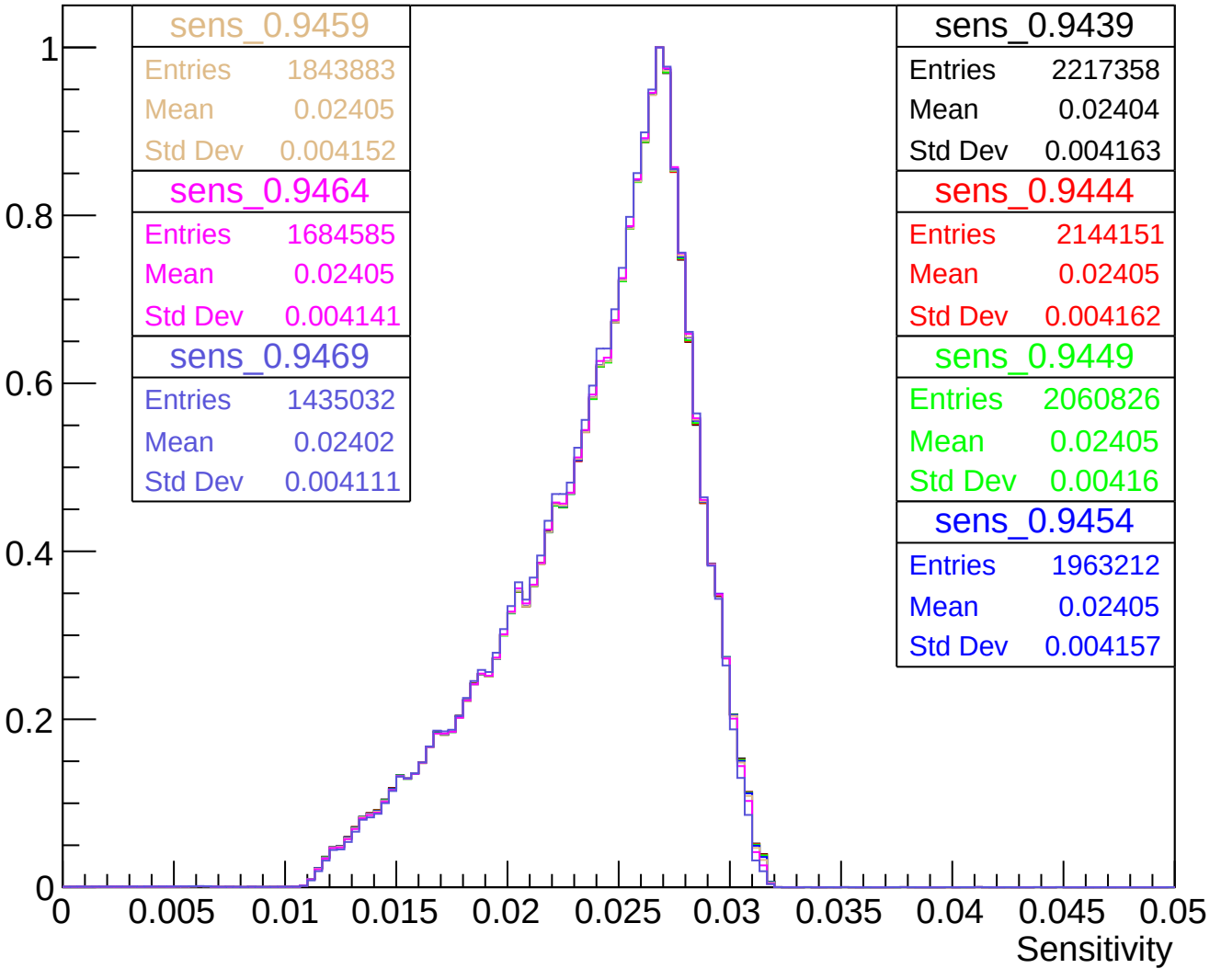



θlab (deg) with pCut (run21185)
Theta_0.9459
Entries 1843883
Mean 4.983
Std Dev 0.4767
Theta_0.9464
Entries 1684585
Mean 4.981
Std Dev 0.4748
Theta_0.9469
Entries 1435032
Mean 4.978
Std Dev 0.4702
Theta_0.9439
Entries 2217358
Mean 4.984
Std Dev 0.4796
Theta_0.9444
Entries 2144151
Mean 4.984
Std Dev 0.4791
Theta_0.9449
Entries 2060826
Mean 4.984
Std Dev 0.4785
Theta_0.9454
Entries 1963212
Mean 4.983
Std Dev 0.4778
0
0.2
0.4
0.6
0.8
1
2
3
4
5
6
7
8
θlab (deg)

Asymmetry (ppm) with pCut (run21185)




Stretched Asym. (ppm) with pCut (run21185)
SAsym_0.9459
Entries 1843883
Mean 0.5882
Std Dev 0.07702
SAsym_0.9464
Entries 1684585
Mean 0.588
Std Dev 0.07735
SAsym_0.9469
Entries 1435032
Mean 0.5874
Std Dev 0.07792
SAsym_0.9439
Entries 2217358
Mean 0.5883
Std Dev 0.07632
SAsym_0.9444
Entries 2144151
Mean 0.5883
Std Dev 0.07644
SAsym_0.9449
Entries 2060826
Mean 0.5883
Std Dev 0.07658
SAsym_0.9454
Entries 1963212
Mean 0.5883
Std Dev 0.07677
0
0.2
0.4
0.6
0.8
1
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 with pCut (run21185)
Q2_0.9459f
Entries 1843883
Mean 0.006862
Std Dev 0.001255
Q2_0.9464f
Entries 1684585
Mean 0.006859
Std Dev 0.00125
Q2_0.9469f
Entries 1435032
Mean 0.006849
Std Dev 0.001237
Q2_0.9439f
Entries 2217358
Mean 0.006864
Std Dev 0.001264
Q2_0.9444f
Entries 2144151
Mean 0.006864
Std Dev 0.001262
Q2_0.9449f
Entries 2060826
Mean 0.006864
Std Dev 0.001261
Q2_0.9454f
Entries 1963212
Mean 0.006863
Std Dev 0.001258
0
0.2
0.4
0.6
0.8
1
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

Sensitivity with pCut (run21185)