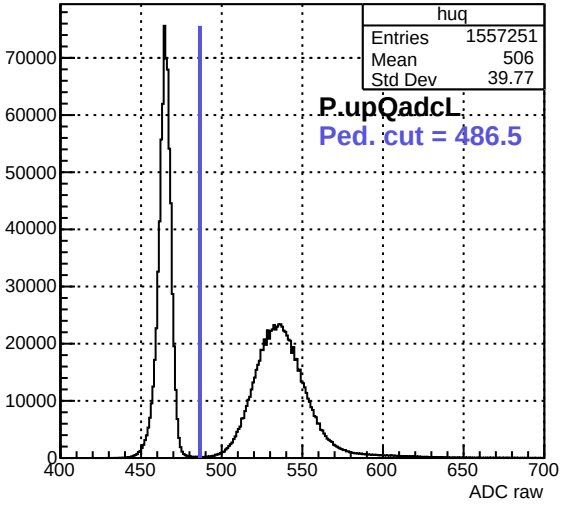
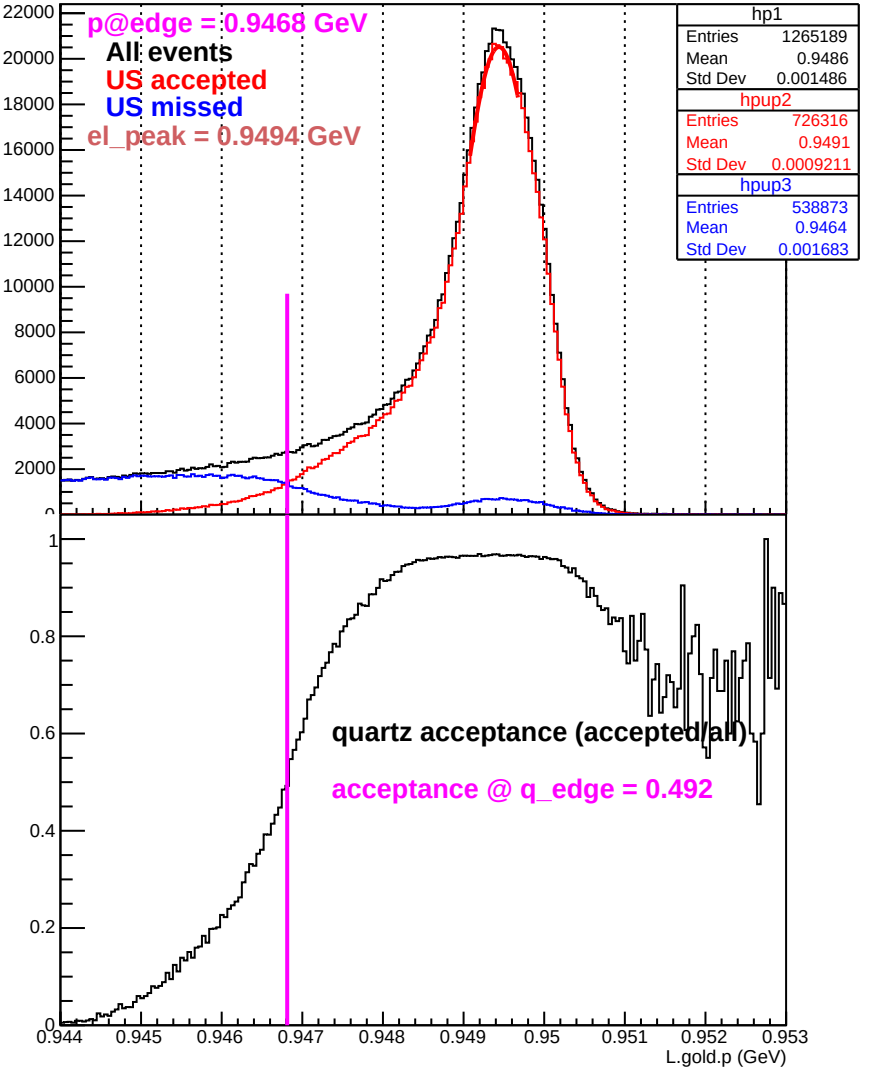
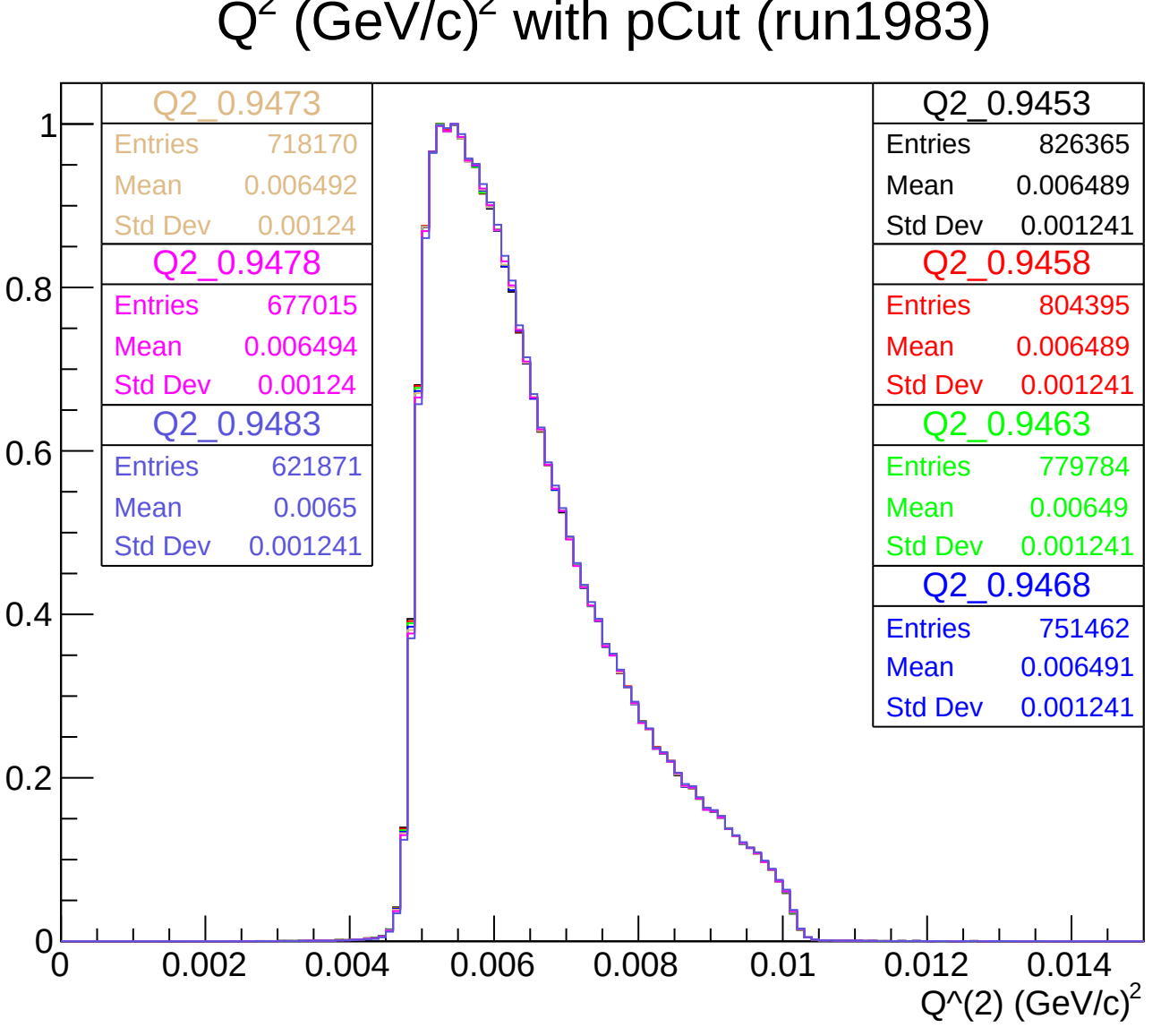
ADC raw (run1983)

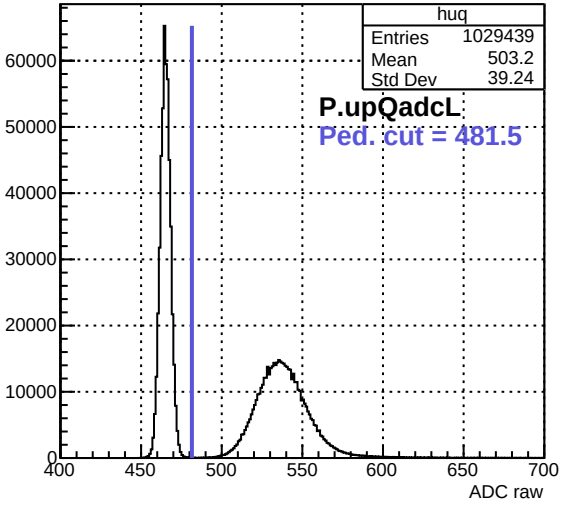


LHRS momentum run1983

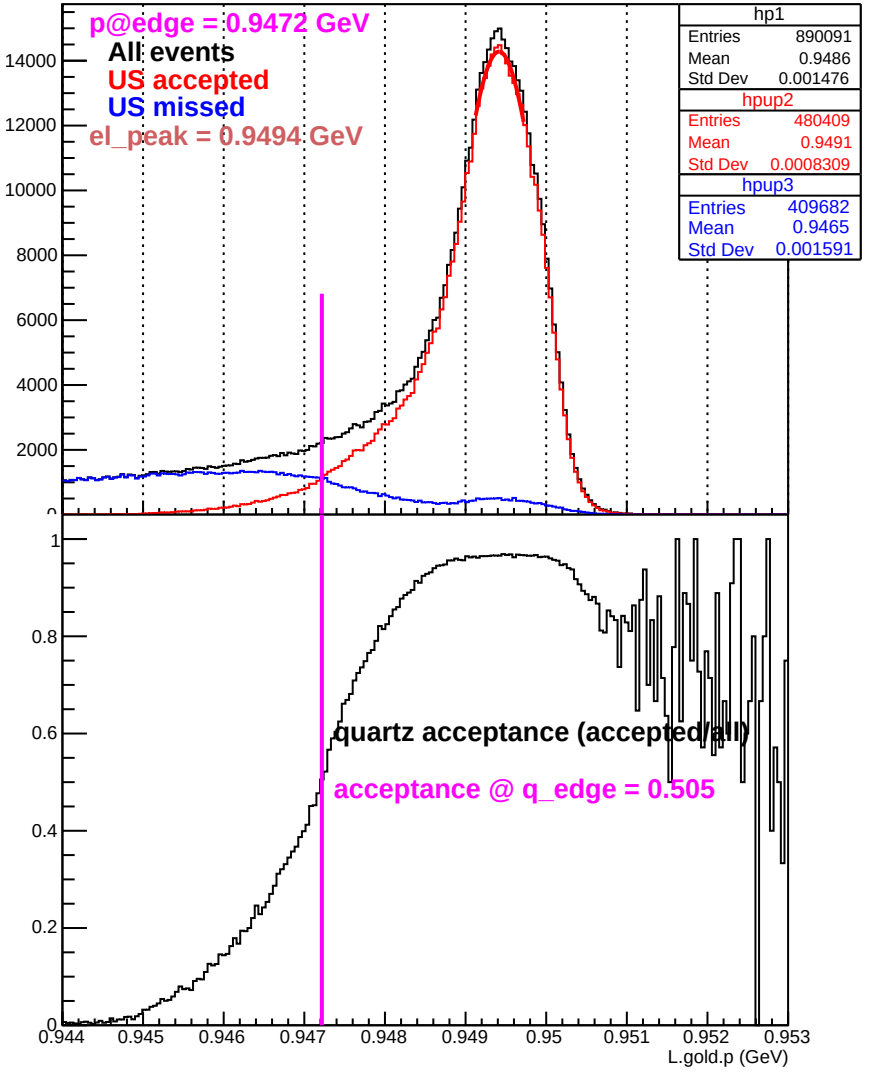


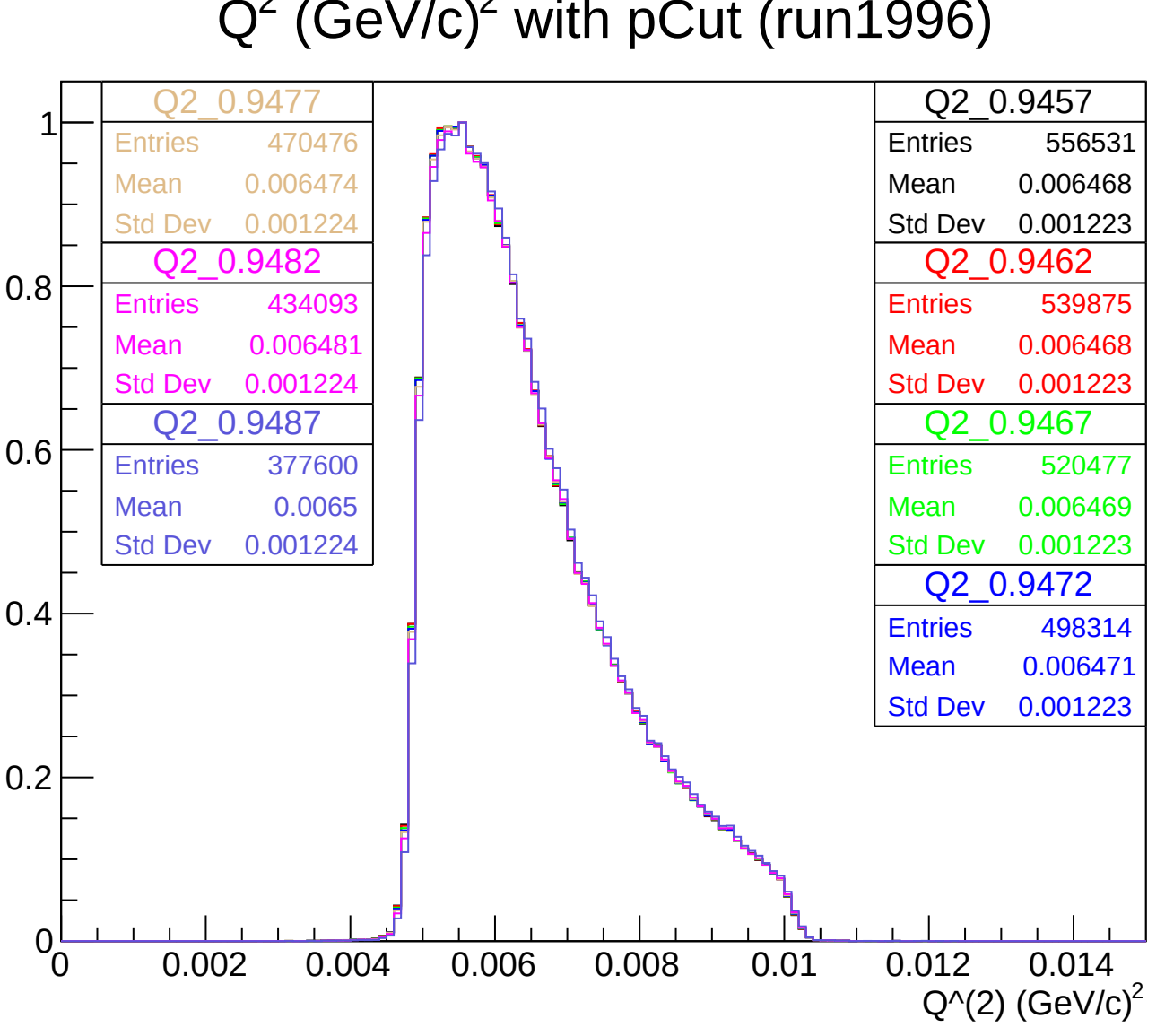

Q^2 (GeV/c)^2 with pCut (run1983)
Q2_0.9473
Entries 718170
Mean 0.006492
Std Dev 0.00124
Q2_0.9478
Entries 677015
Mean 0.006494
Std Dev 0.00124
Q2_0.9483
Entries 621871
Mean 0.0065
Std Dev 0.001241
Q2_0.9453
Entries 826365
Mean 0.006489
Std Dev 0.001241
Q2_0.9458
Entries 804395
Mean 0.006489
Std Dev 0.001241
Q2_0.9463
Entries 779784
Mean 0.00649
Std Dev 0.001241
Q2_0.9468
Entries 751462
Mean 0.006491
Std Dev 0.001241
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2

ADC raw (run1996)

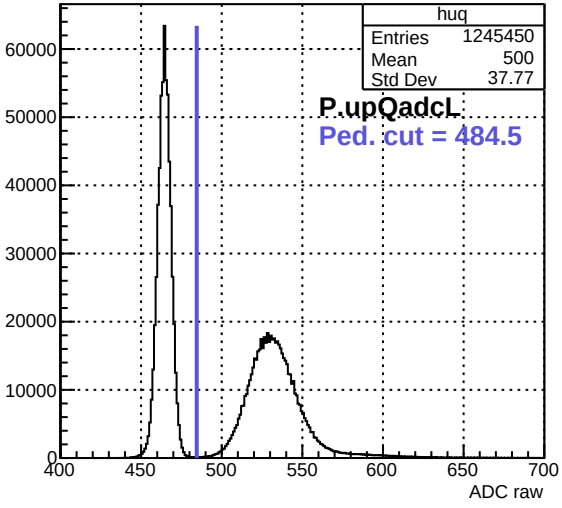


LHRS momentum run1996

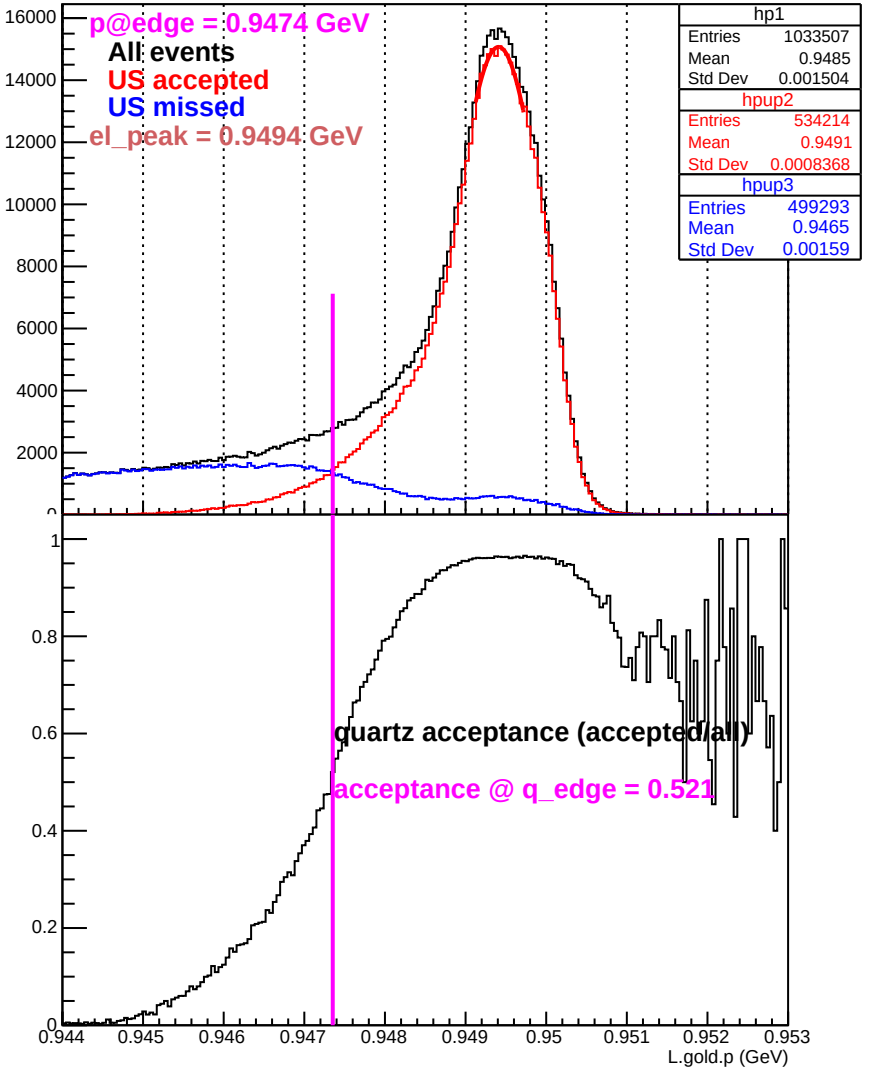


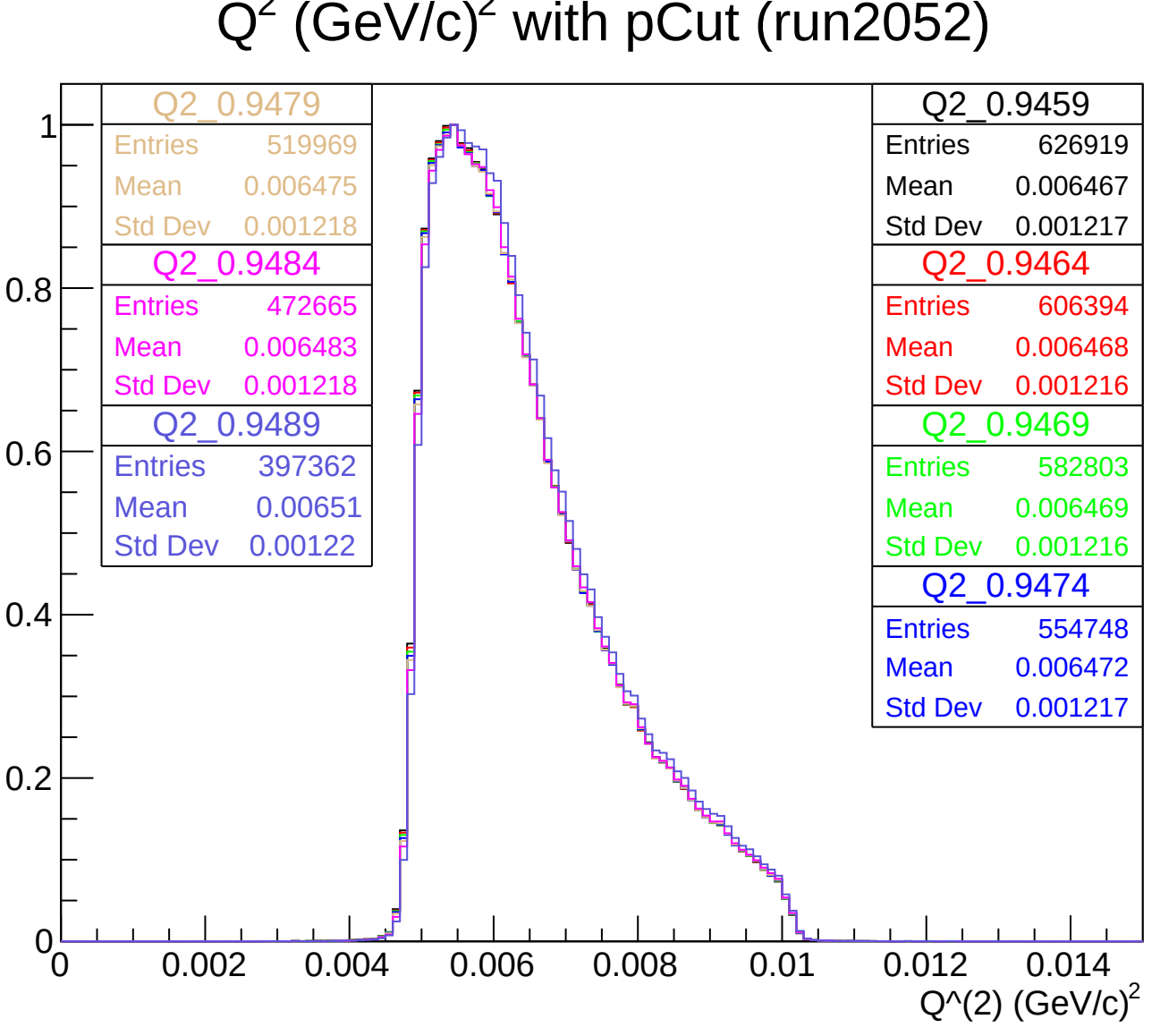

Q^2 (GeV/c)^2 with pCut (run1996)
Q2_0.9477
Entries 470476
Mean 0.006474
Std Dev 0.001224
Q2_0.9482
Entries 434093
Mean 0.006481
Std Dev 0.001224
Q2_0.9487
Entries 377600
Mean 0.0065
Std Dev 0.001224
Q2_0.9457
Entries 556531
Mean 0.006468
Std Dev 0.001223
Q2_0.9462
Entries 539875
Mean 0.006468
Std Dev 0.001223
Q2_0.9467
Entries 520477
Mean 0.006469
Std Dev 0.001223
Q2_0.9472
Entries 498314
Mean 0.006471
Std Dev 0.001223
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2

ADC raw (run2052)

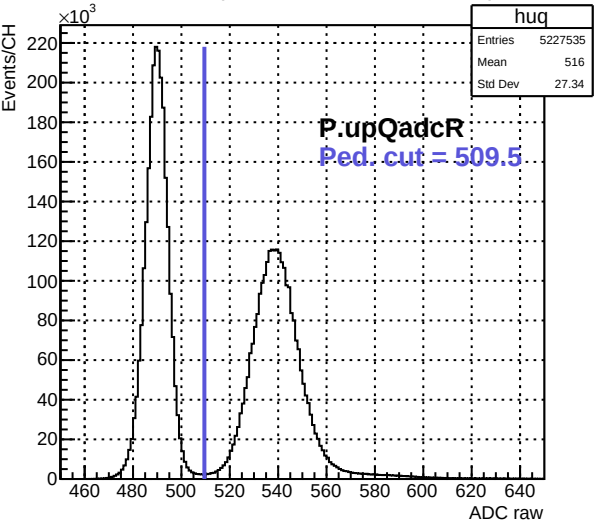


LHRS momentum run2052

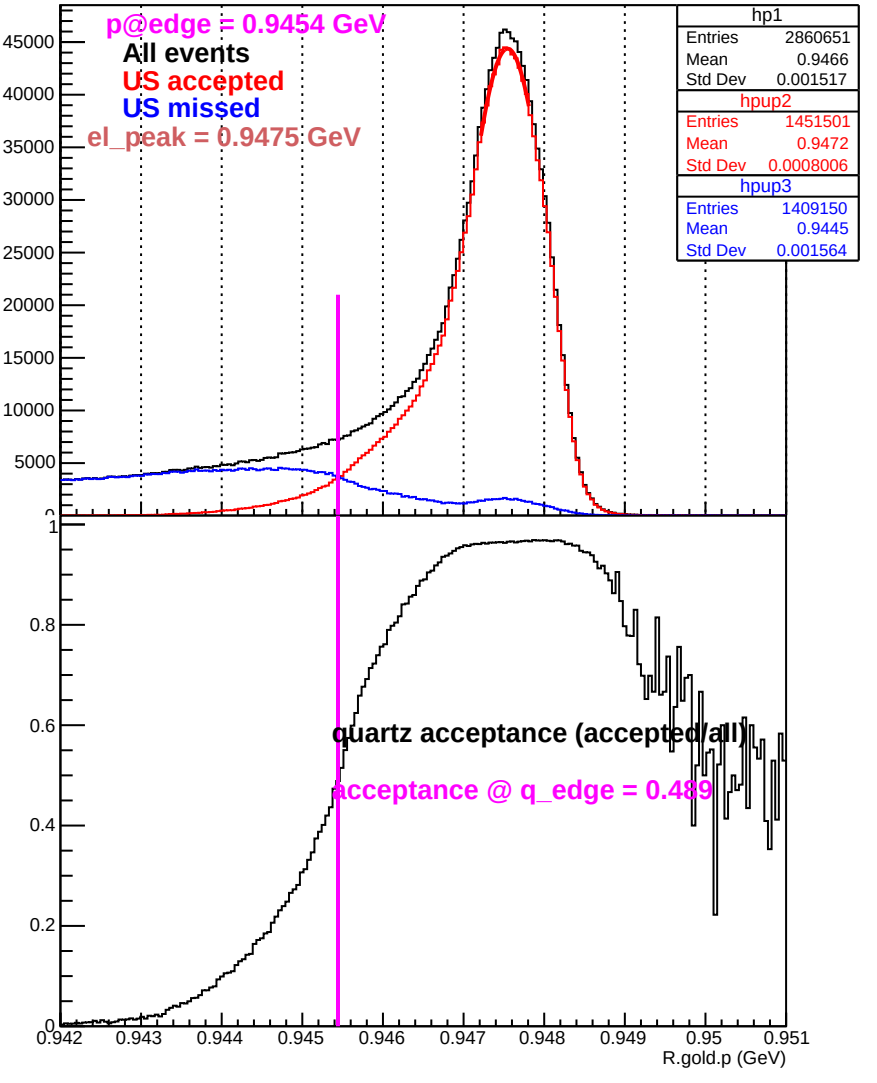


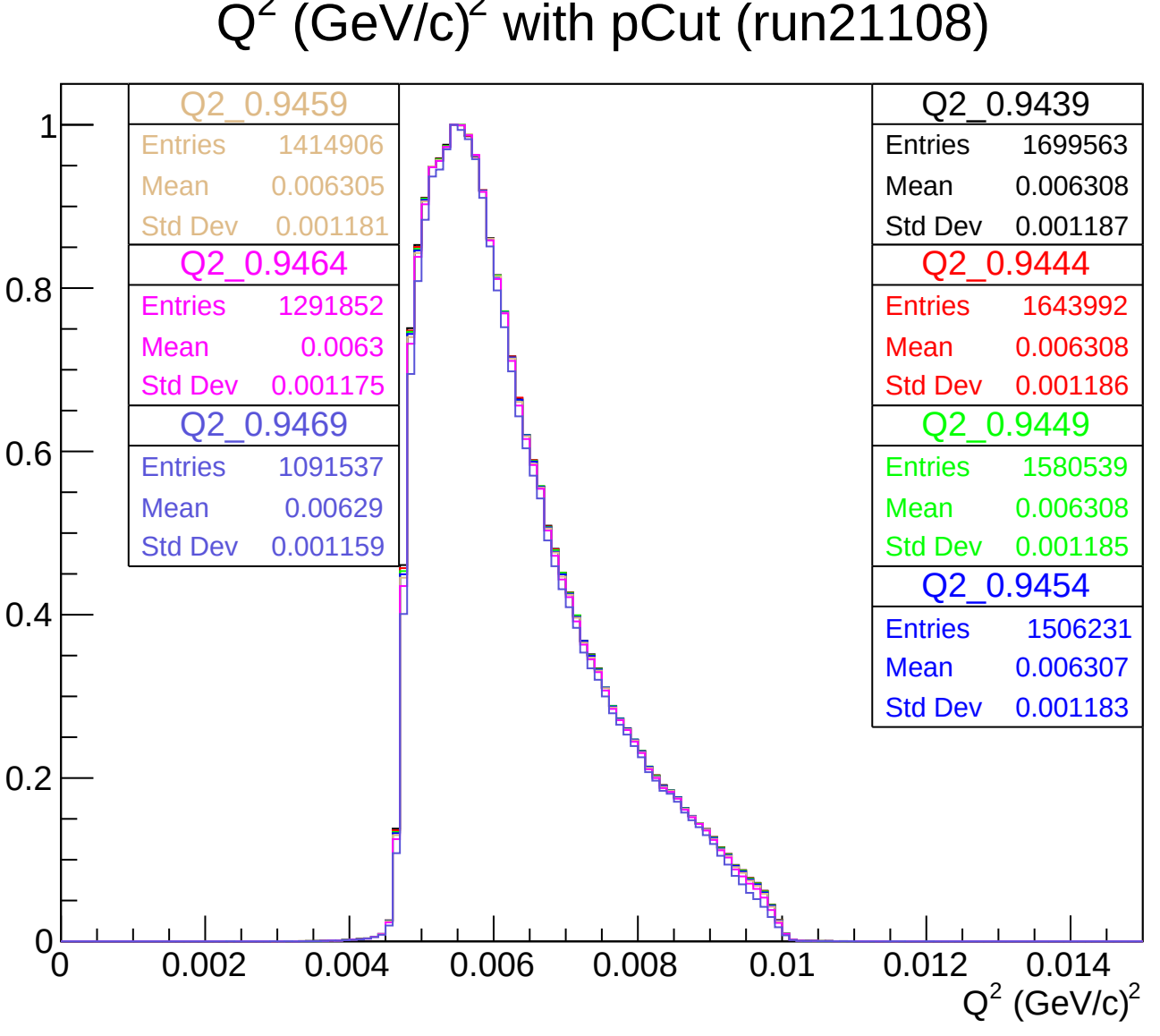

Q^2 (GeV/c)^2 with pCut (run2052)
Q2_0.9479
Entries 519969
Mean 0.006475
Std Dev 0.001218
Q2_0.9484
Entries 472665
Mean 0.006483
Std Dev 0.001218
Q2_0.9489
Entries 397362
Mean 0.00651
Std Dev 0.00122
Q2_0.9459
Entries 626919
Mean 0.006467
Std Dev 0.001217
Q2_0.9464
Entries 606394
Mean 0.006468
Std Dev 0.001216
Q2_0.9469
Entries 582803
Mean 0.006469
Std Dev 0.001216
Q2_0.9474
Entries 554748
Mean 0.006472
Std Dev 0.001217
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2

ADC raw (run21108, detZ = 1.3 m)

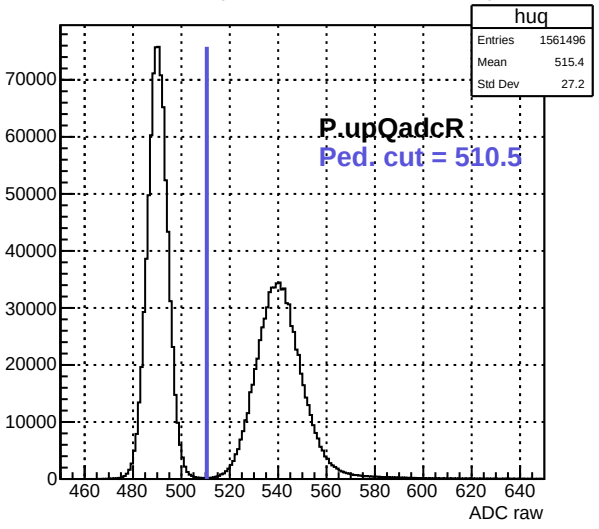


RHRS momentum (run21108)

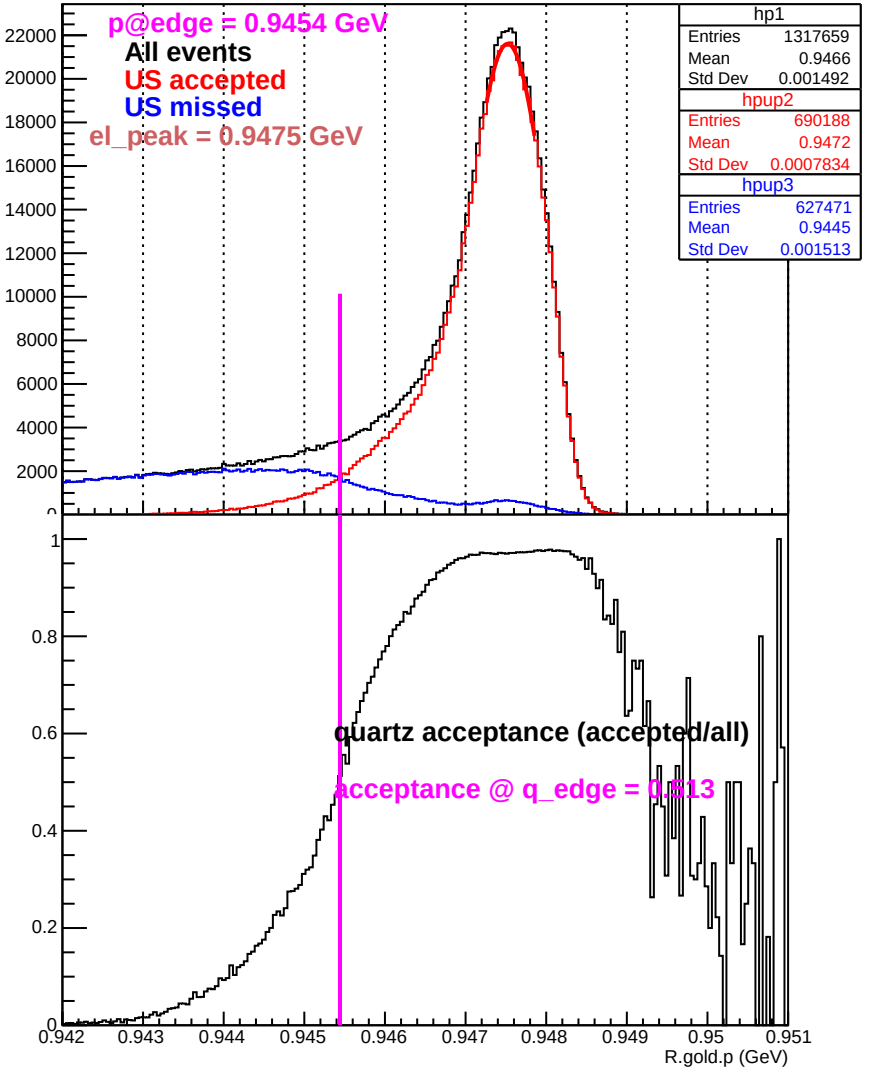


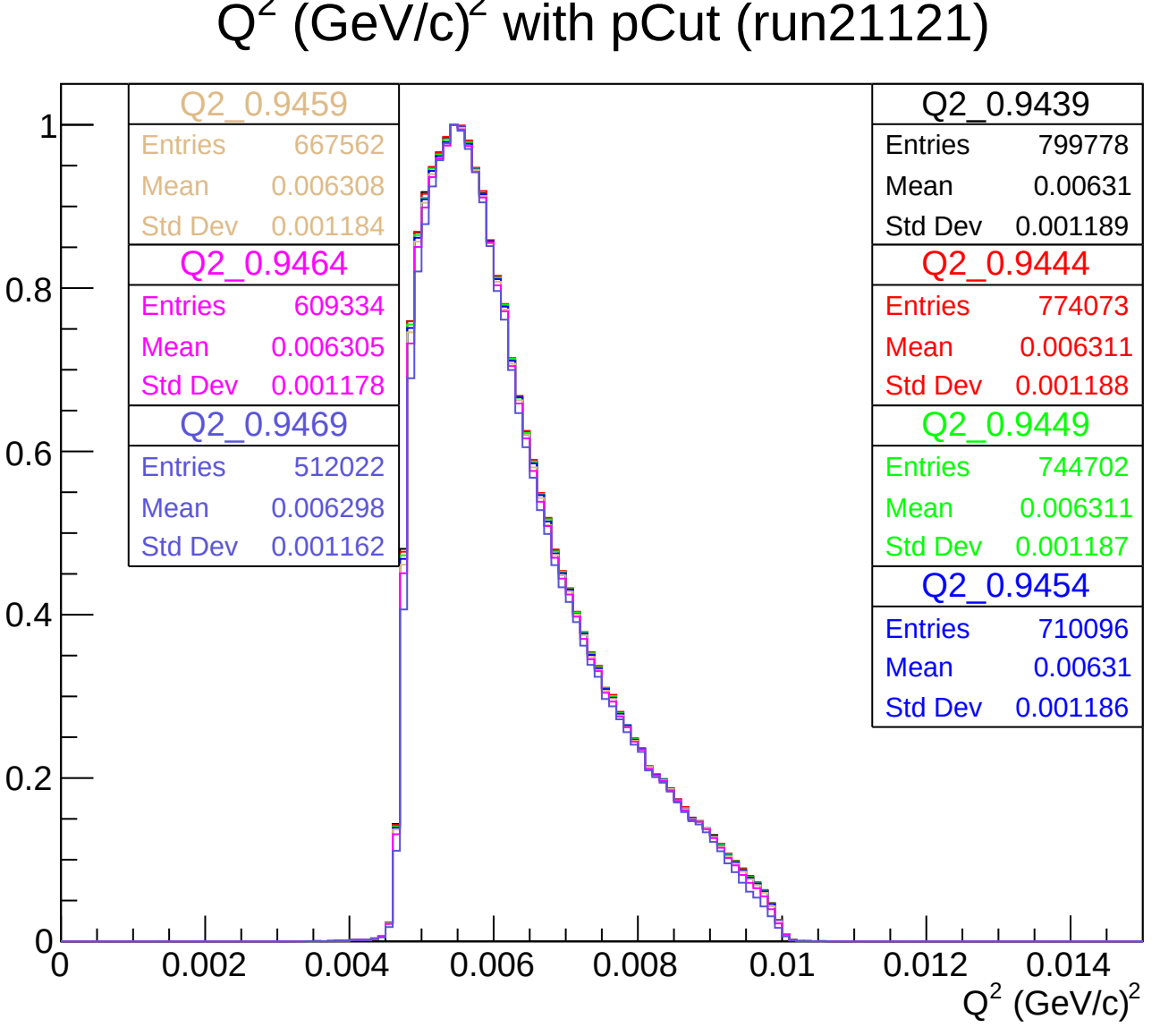

Q^2 (GeV/c)^2 with pCut (run21108)
Q2_0.9459
Entries 1414906
Mean 0.006305
Std Dev 0.001181
Q2_0.9464
Entries 1291852
Mean 0.0063
Std Dev 0.001175
Q2_0.9469
Entries 1091537
Mean 0.00629
Std Dev 0.001159
Q2_0.9439
Entries 1699563
Mean 0.006308
Std Dev 0.001187
Q2_0.9444
Entries 1643992
Mean 0.006308
Std Dev 0.001186
Q2_0.9449
Entries 1580539
Mean 0.006308
Std Dev 0.001185
Q2_0.9454
Entries 1506231
Mean 0.006307
Std Dev 0.001183
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

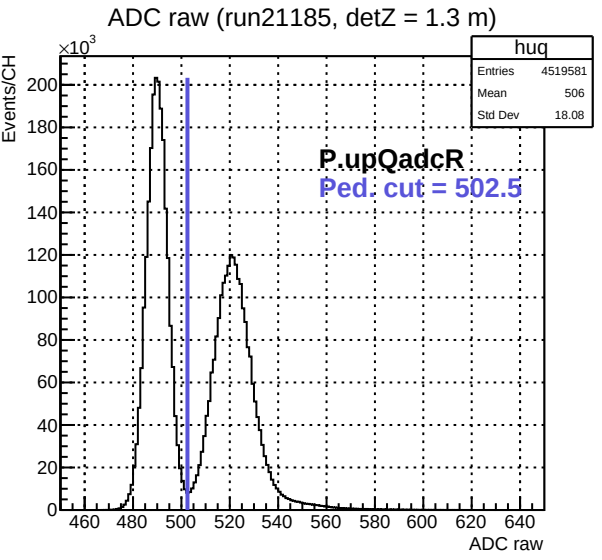
ADC raw (run21121, detZ = 1.3 m)

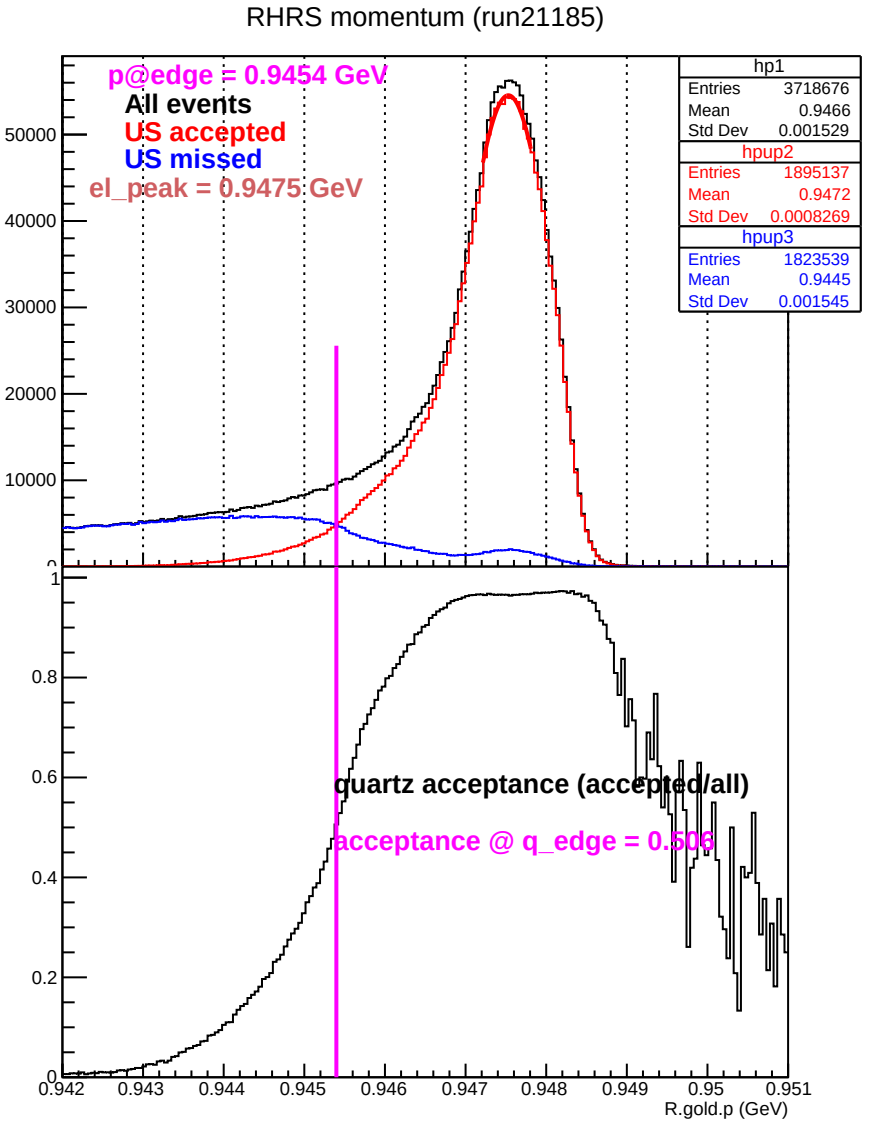


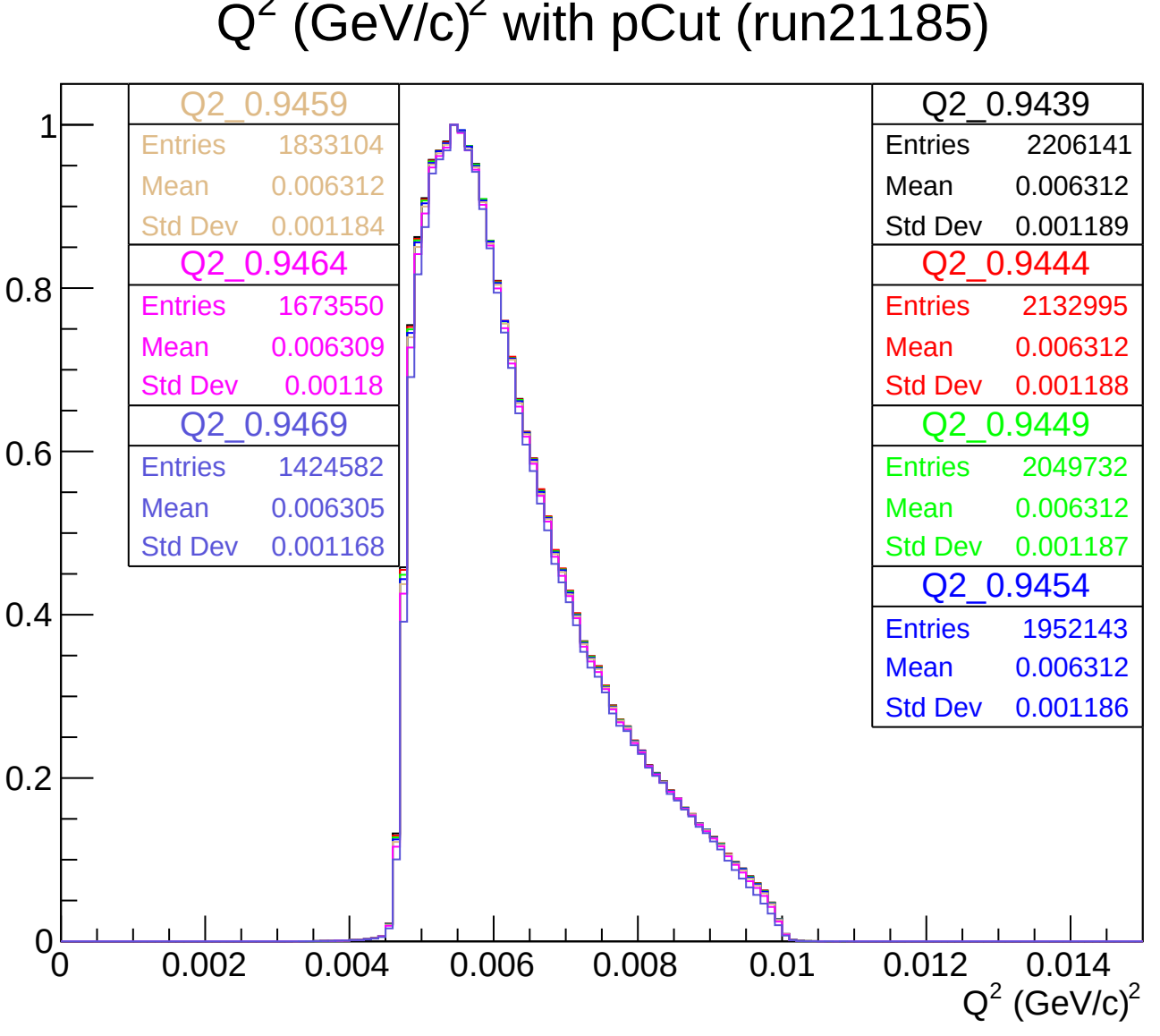
RHRS momentum (run21121)



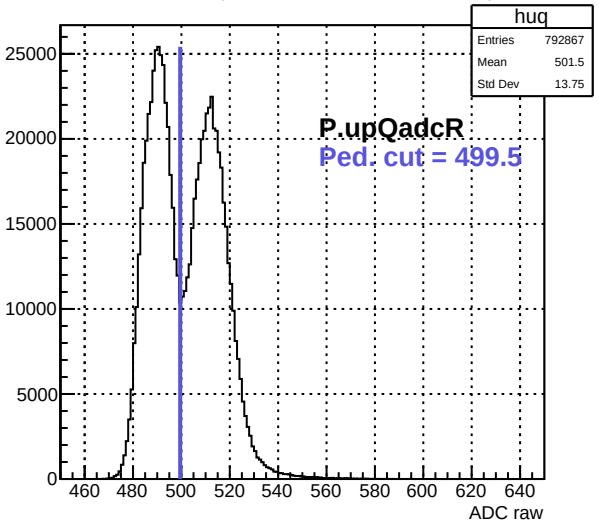

Q^2 (GeV/c)^2 with pCut (run21121)
Q2_0.9459
Entries 667562
Mean 0.006308
Std Dev 0.001184
Q2_0.9464
Entries 609334
Mean 0.006305
Std Dev 0.001178
Q2_0.9469
Entries 512022
Mean 0.006298
Std Dev 0.001162
Q2_0.9439
Entries 799778
Mean 0.00631
Std Dev 0.001189
Q2_0.9444
Entries 774073
Mean 0.006311
Std Dev 0.001188
Q2_0.9449
Entries 744702
Mean 0.006311
Std Dev 0.001187
Q2_0.9454
Entries 710096
Mean 0.00631
Std Dev 0.001186
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


ADC raw (run21185, detZ = 1.3 m)
huq
Entries 4519581
Mean 506
Std Dev 18.08
P.upQadcR
Ped. cut = 502.5
Events/CH
ADC raw

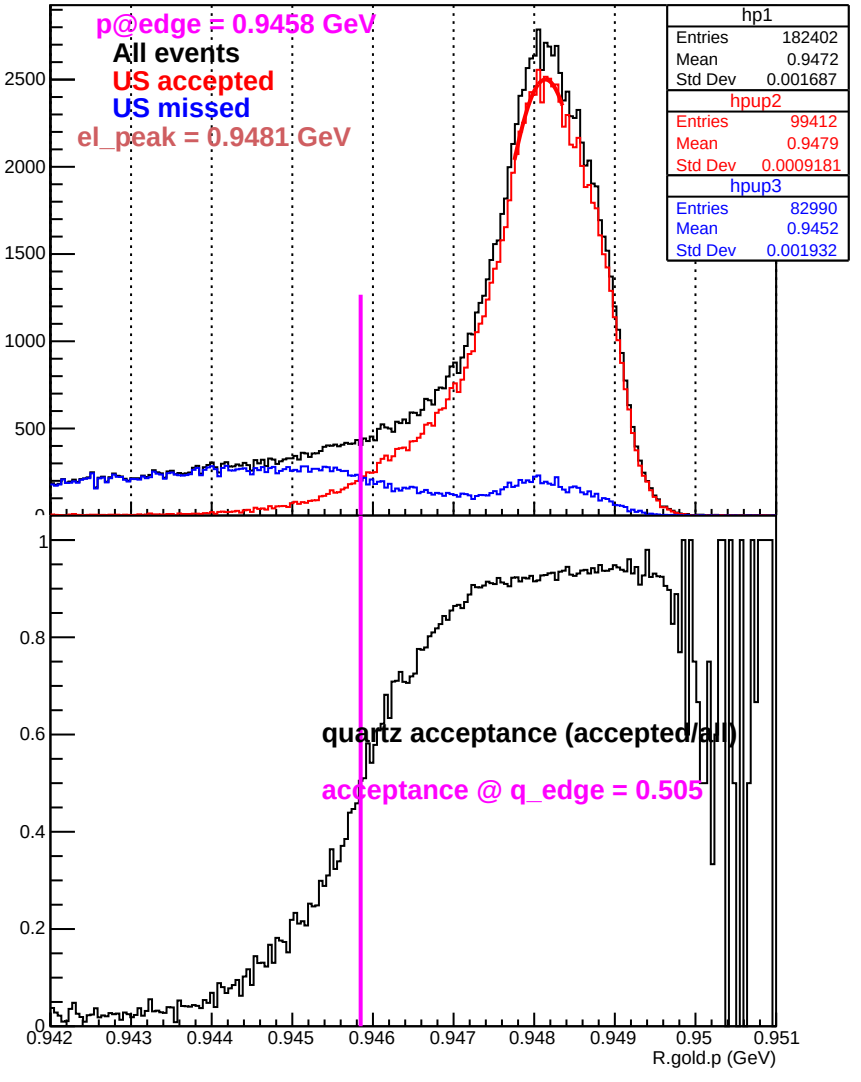

RHRS momentum (run21185)
p@edge = 0.9454 GeV
All events
US accepted
US missed
el_peak = 0.9475 GeV
hp1
Entries 3718676
Mean 0.9466
Std Dev 0.001529
hpup2
Entries 1895137
Mean 0.9472
Std Dev 0.0008269
hpup3
Entries 1823539
Mean 0.9445
Std Dev 0.001545
quartz acceptance (accepted/all)
acceptance @ q_edge = 0.506
R.gold.p (GeV)

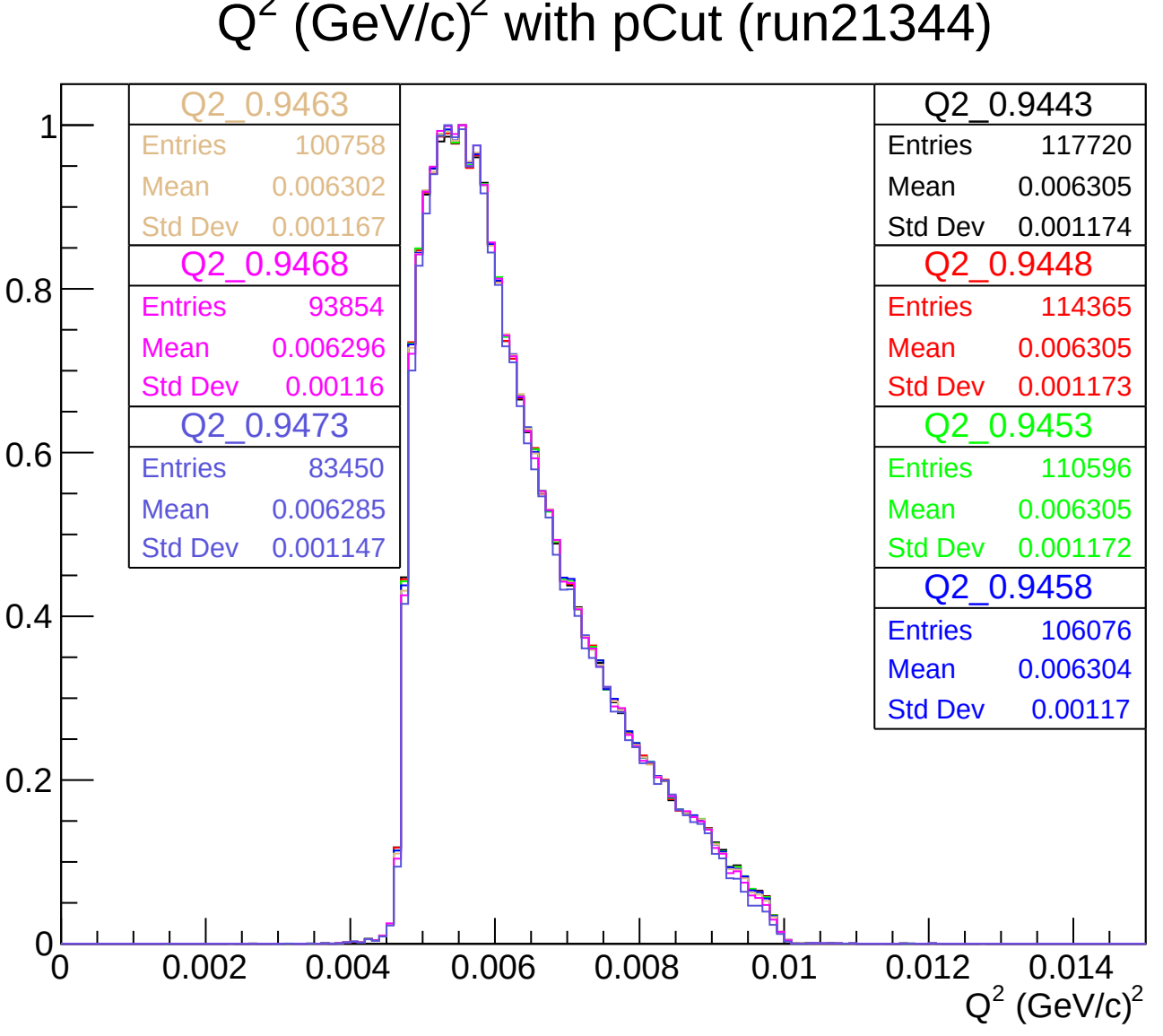

Q^2 (GeV/c)^2 with pCut (run21185)
Q2_0.9459
Entries 1833104
Mean 0.006312
Std Dev 0.001184
Q2_0.9464
Entries 1673550
Mean 0.006309
Std Dev 0.00118
Q2_0.9469
Entries 1424582
Mean 0.006305
Std Dev 0.001168
Q2_0.9439
Entries 2206141
Mean 0.006312
Std Dev 0.001189
Q2_0.9444
Entries 2132995
Mean 0.006312
Std Dev 0.001188
Q2_0.9449
Entries 2049732
Mean 0.006312
Std Dev 0.001187
Q2_0.9454
Entries 1952143
Mean 0.006312
Std Dev 0.001186
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

ADC raw (run21344, detZ = 1.3 m)

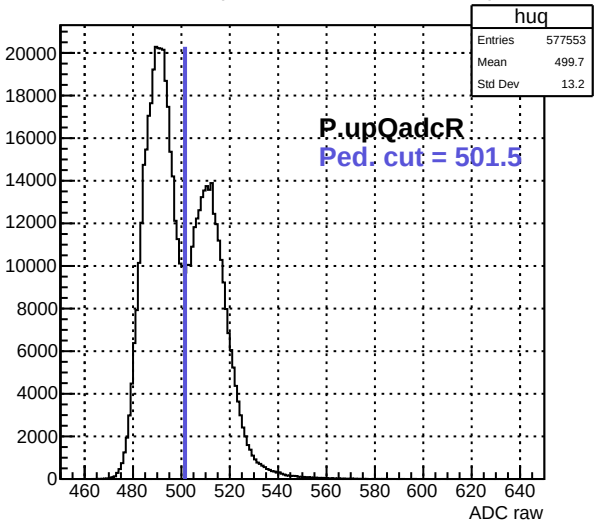


RHRS momentum (run21344)

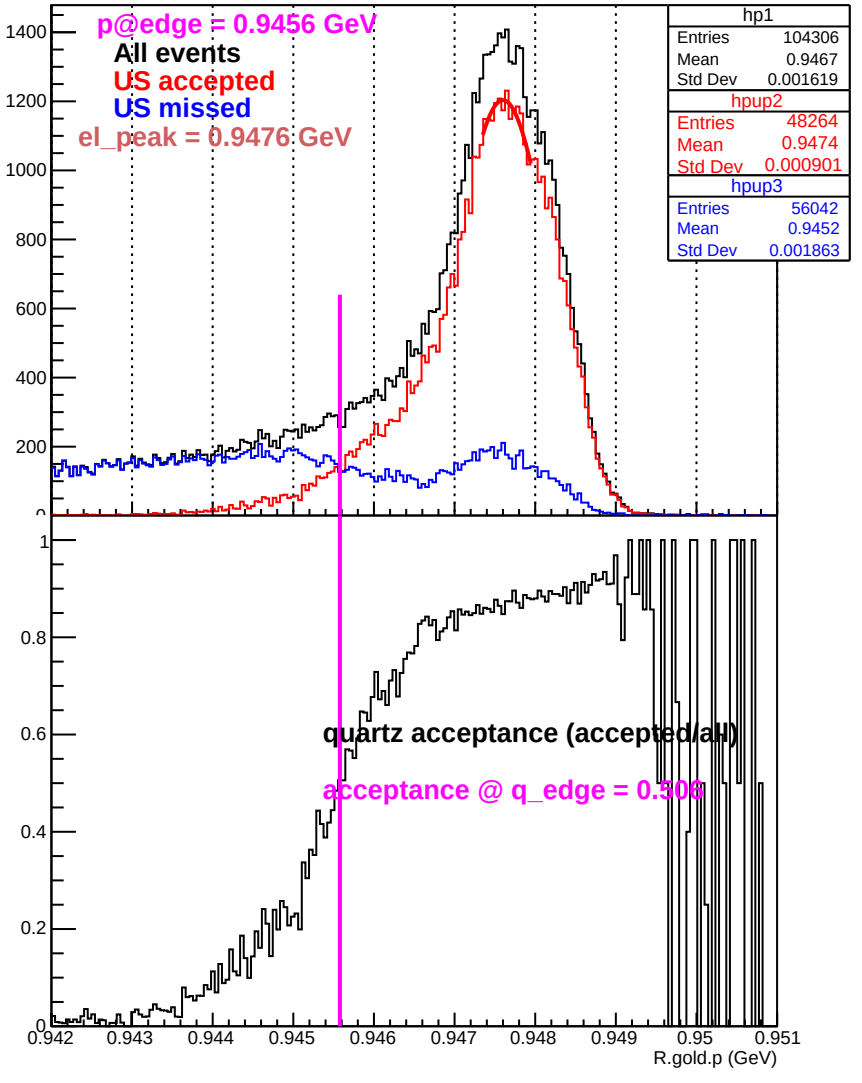


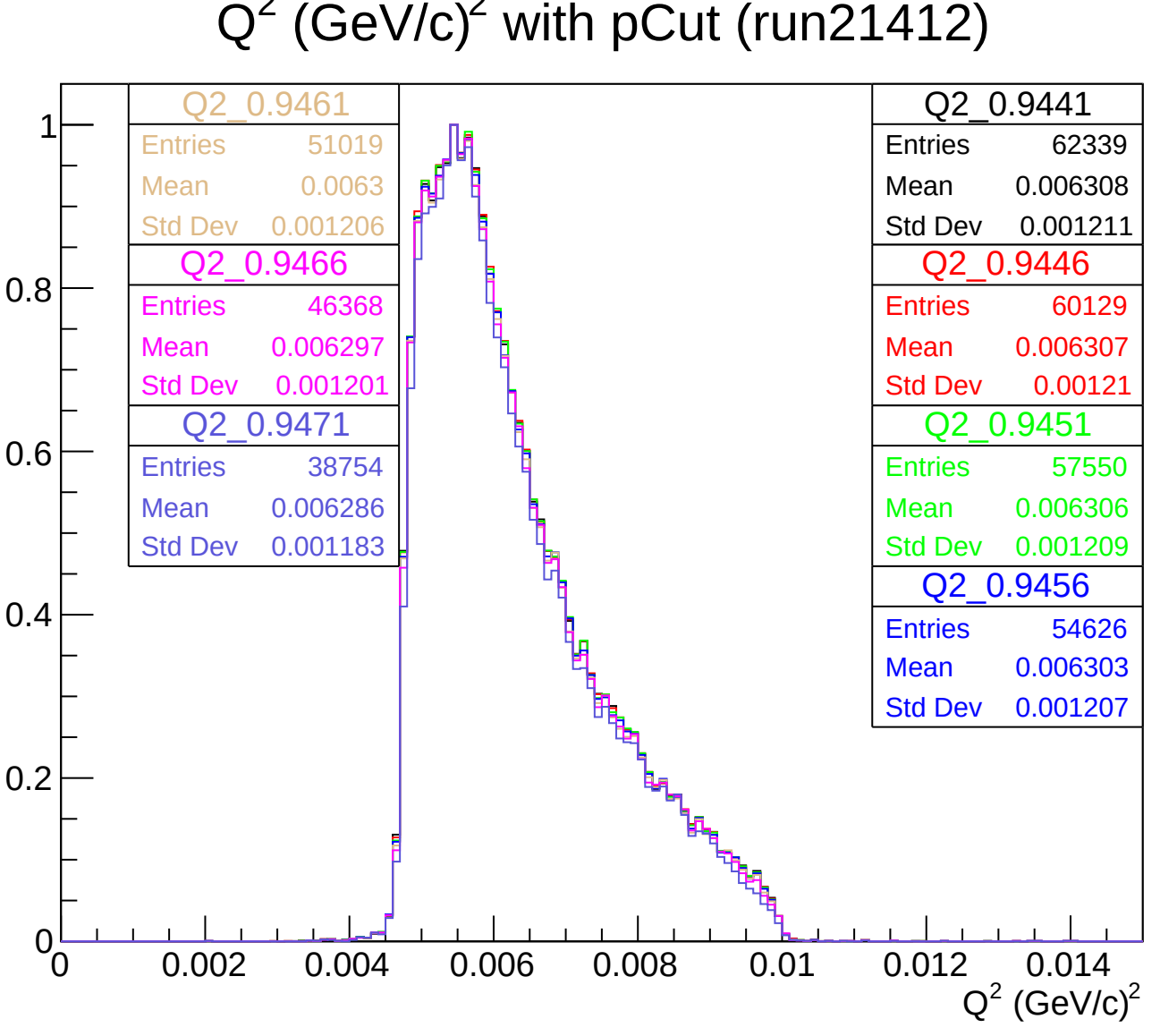

Q^2 (GeV/c)^2 with pCut (run21344)
Q2_0.9463
Entries 100758
Mean 0.006302
Std Dev 0.001167
Q2_0.9468
Entries 93854
Mean 0.006296
Std Dev 0.00116
Q2_0.9473
Entries 83450
Mean 0.006285
Std Dev 0.001147
Q2_0.9443
Entries 117720
Mean 0.006305
Std Dev 0.001174
Q2_0.9448
Entries 114365
Mean 0.006305
Std Dev 0.001173
Q2_0.9453
Entries 110596
Mean 0.006305
Std Dev 0.001172
Q2_0.9458
Entries 106076
Mean 0.006304
Std Dev 0.00117
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

ADC raw (run21412, detZ = 1.3 m)

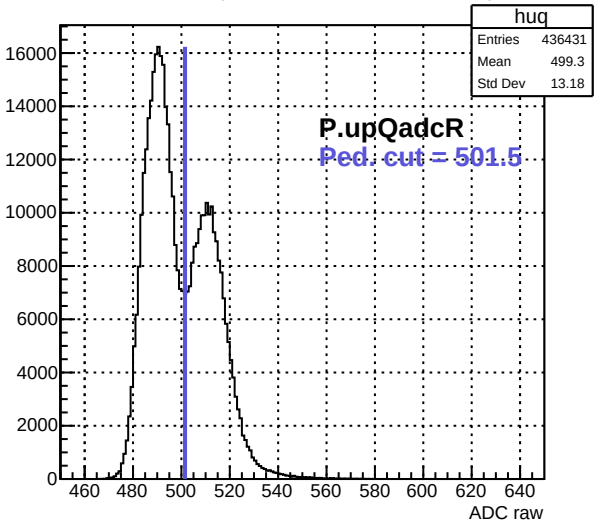


RHRS momentum (run21412)

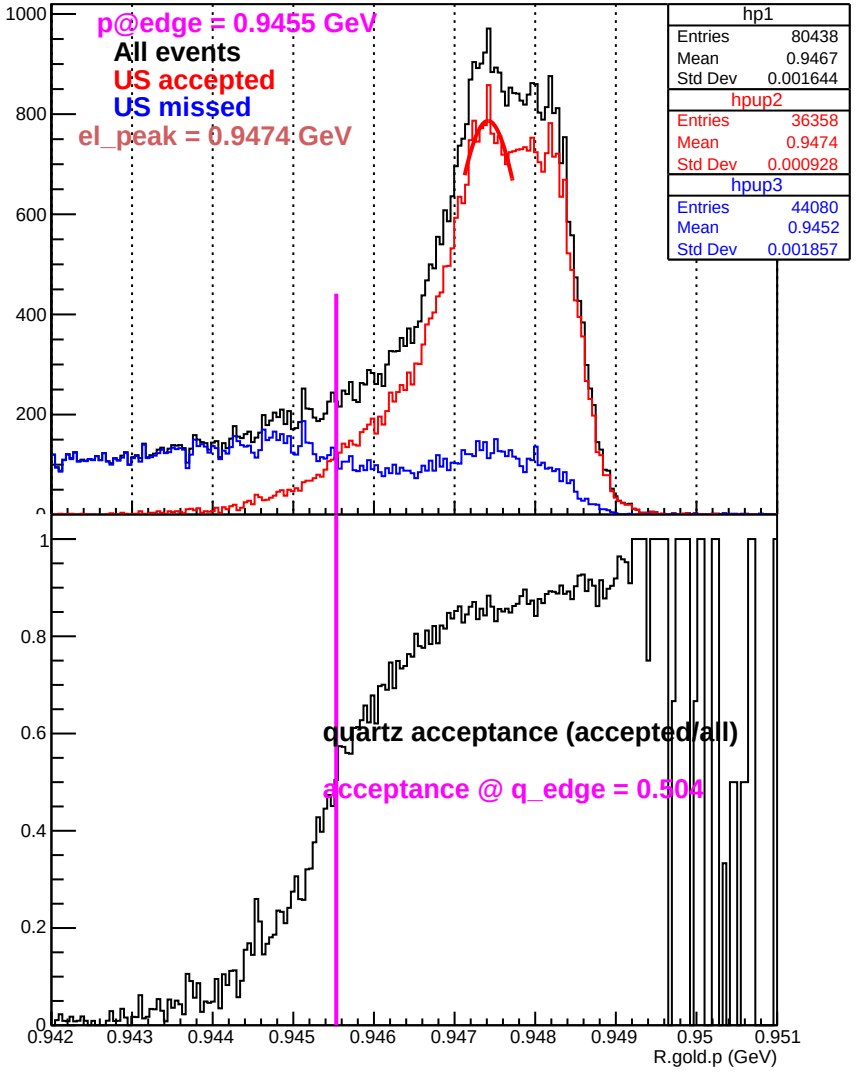


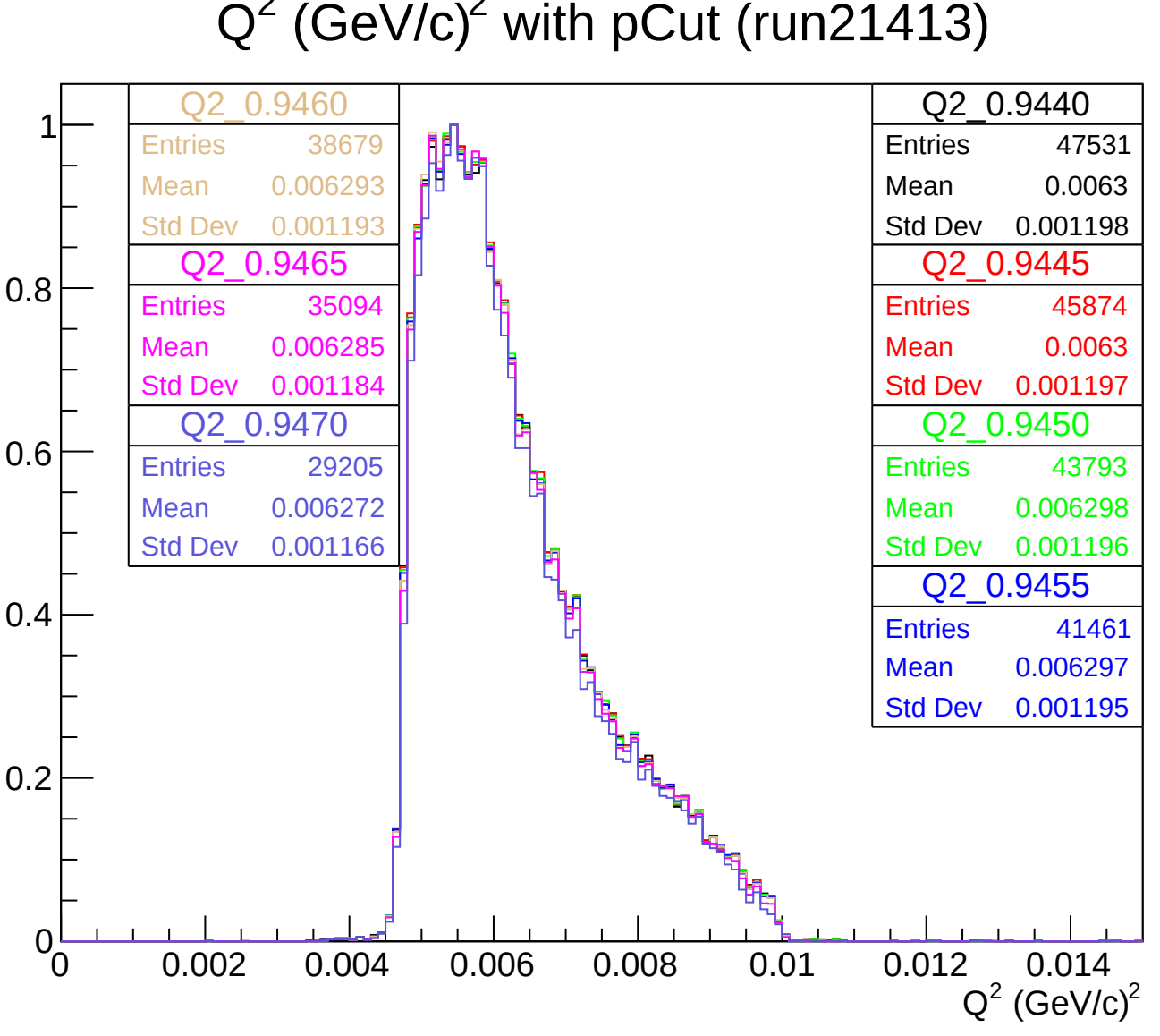

Q^2 (GeV/c)^2 with pCut (run21412)
Q2_0.9461
Entries 51019
Mean 0.0063
Std Dev 0.001206
Q2_0.9466
Entries 46368
Mean 0.006297
Std Dev 0.001201
Q2_0.9471
Entries 38754
Mean 0.006286
Std Dev 0.001183
Q2_0.9441
Entries 62339
Mean 0.006308
Std Dev 0.001211
Q2_0.9446
Entries 60129
Mean 0.006307
Std Dev 0.00121
Q2_0.9451
Entries 57550
Mean 0.006306
Std Dev 0.001209
Q2_0.9456
Entries 54626
Mean 0.006303
Std Dev 0.001207
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

ADC raw (run21413, detZ = 1.3 m)

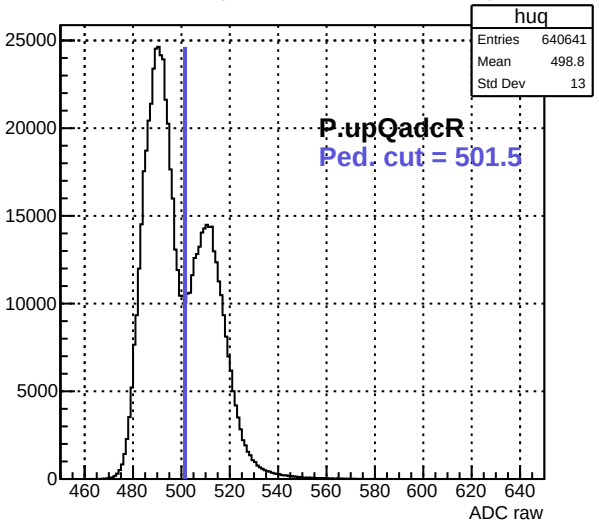


RHRS momentum (run21413)

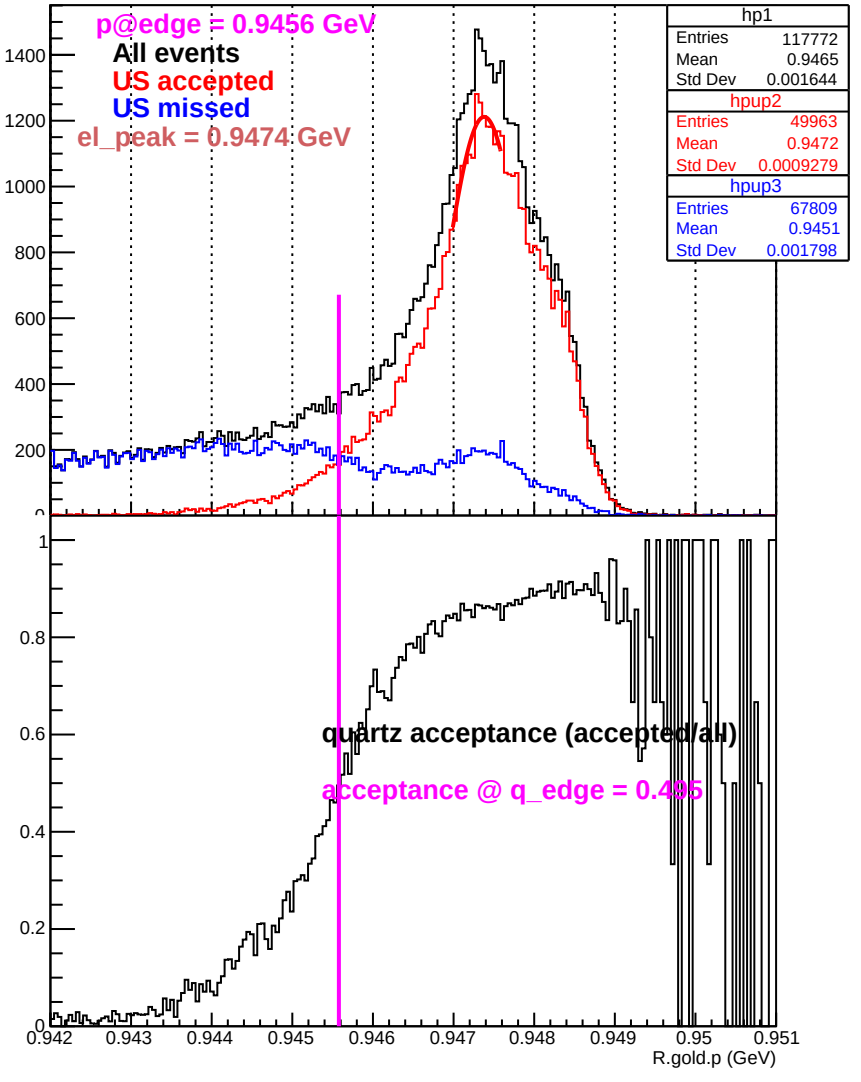



Q^2 (GeV/c)^2 with pCut (run21413)
Q2_0.9460
Entries 38679
Mean 0.006293
Std Dev 0.001193
Q2_0.9465
Entries 35094
Mean 0.006285
Std Dev 0.001184
Q2_0.9470
Entries 29205
Mean 0.006272
Std Dev 0.001166
Q2_0.9440
Entries 47531
Mean 0.0063
Std Dev 0.001198
Q2_0.9445
Entries 45874
Mean 0.0063
Std Dev 0.001197
Q2_0.9450
Entries 43793
Mean 0.006298
Std Dev 0.001196
Q2_0.9455
Entries 41461
Mean 0.006297
Std Dev 0.001195
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

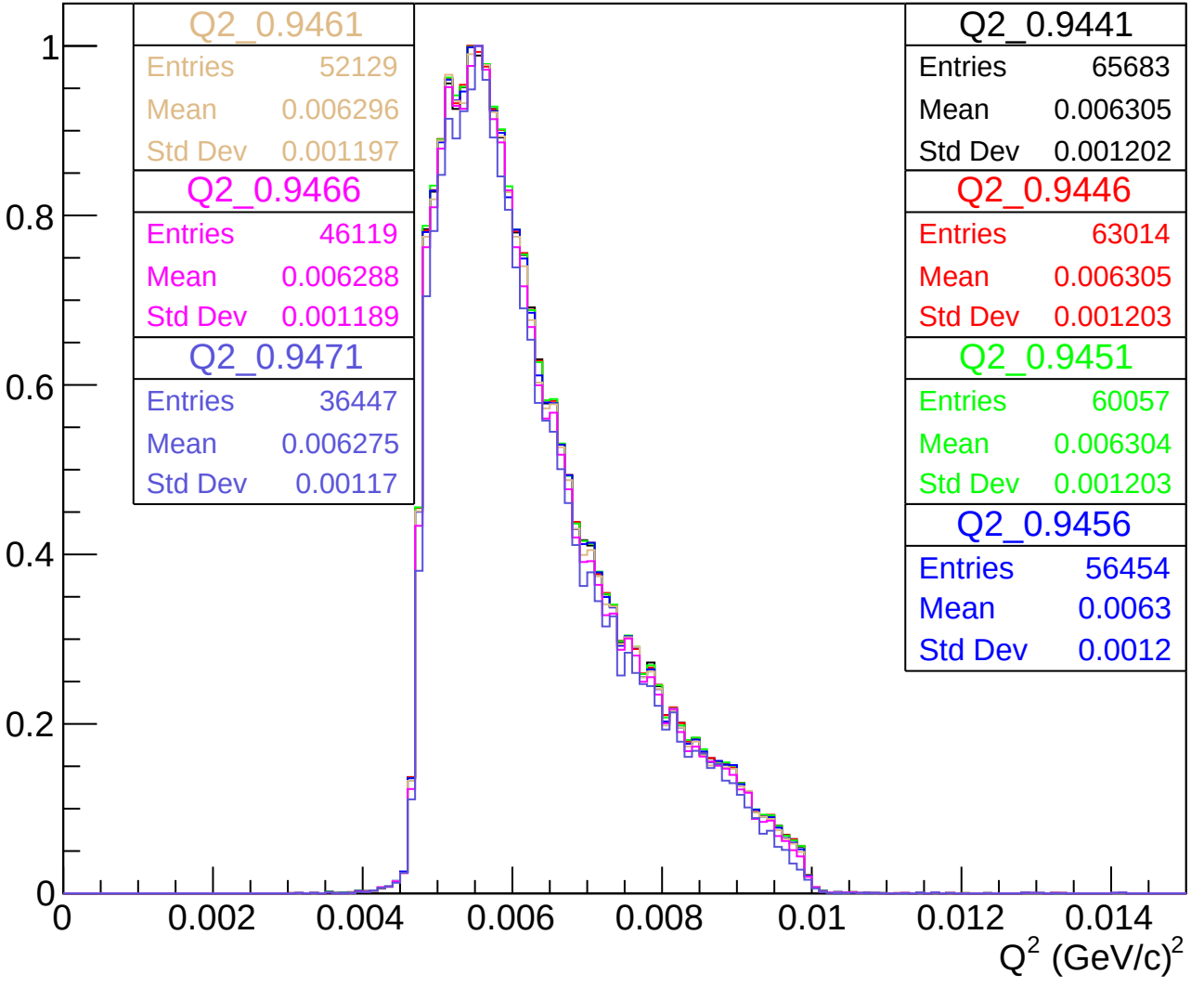
ADC raw (run21414, detZ = 1.3 m)



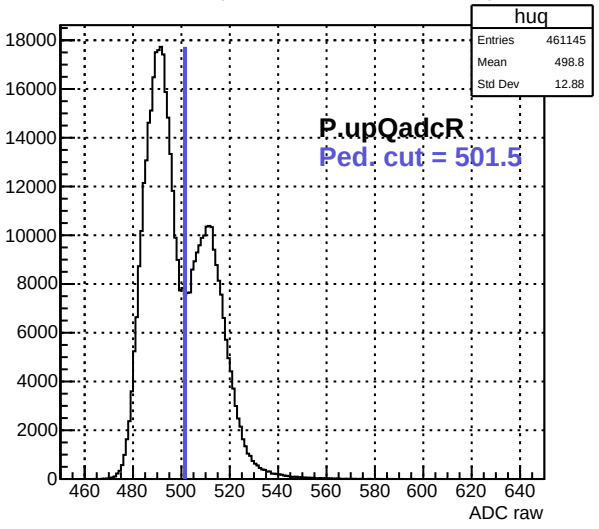
RHRS momentum (run21414)



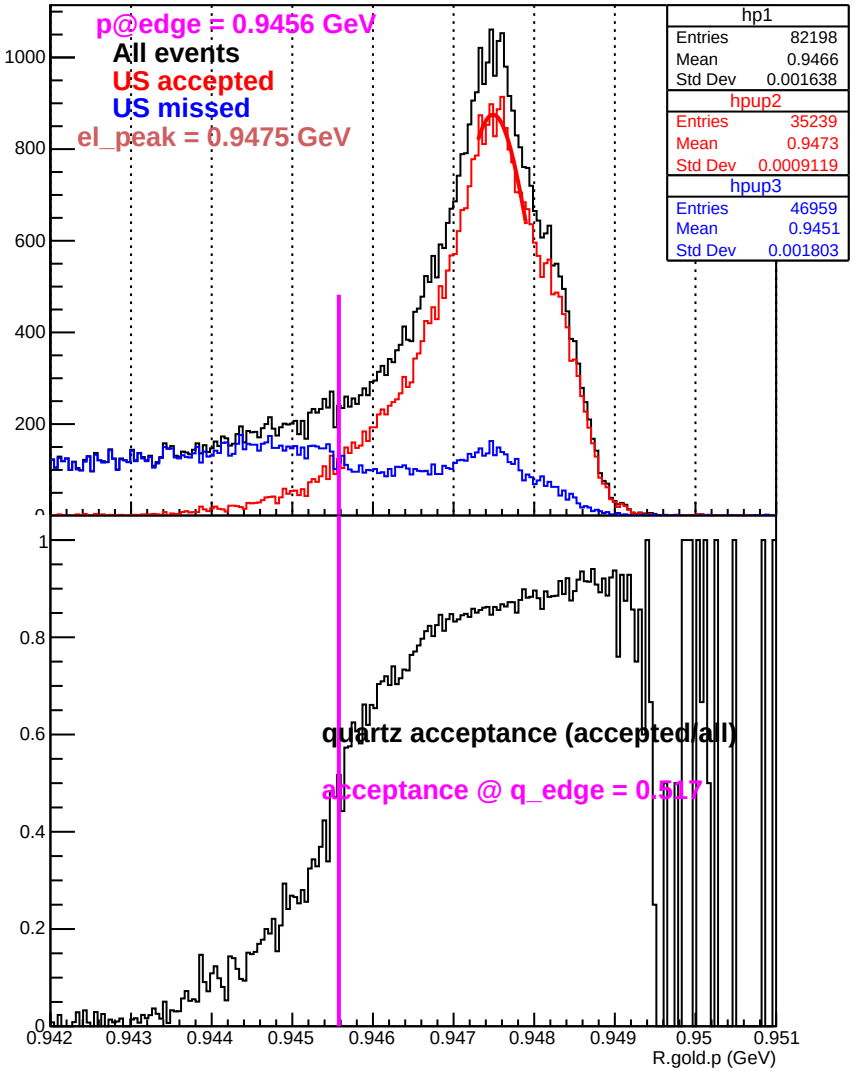
Q^2 (GeV/c)^2 with pCut (run21414)

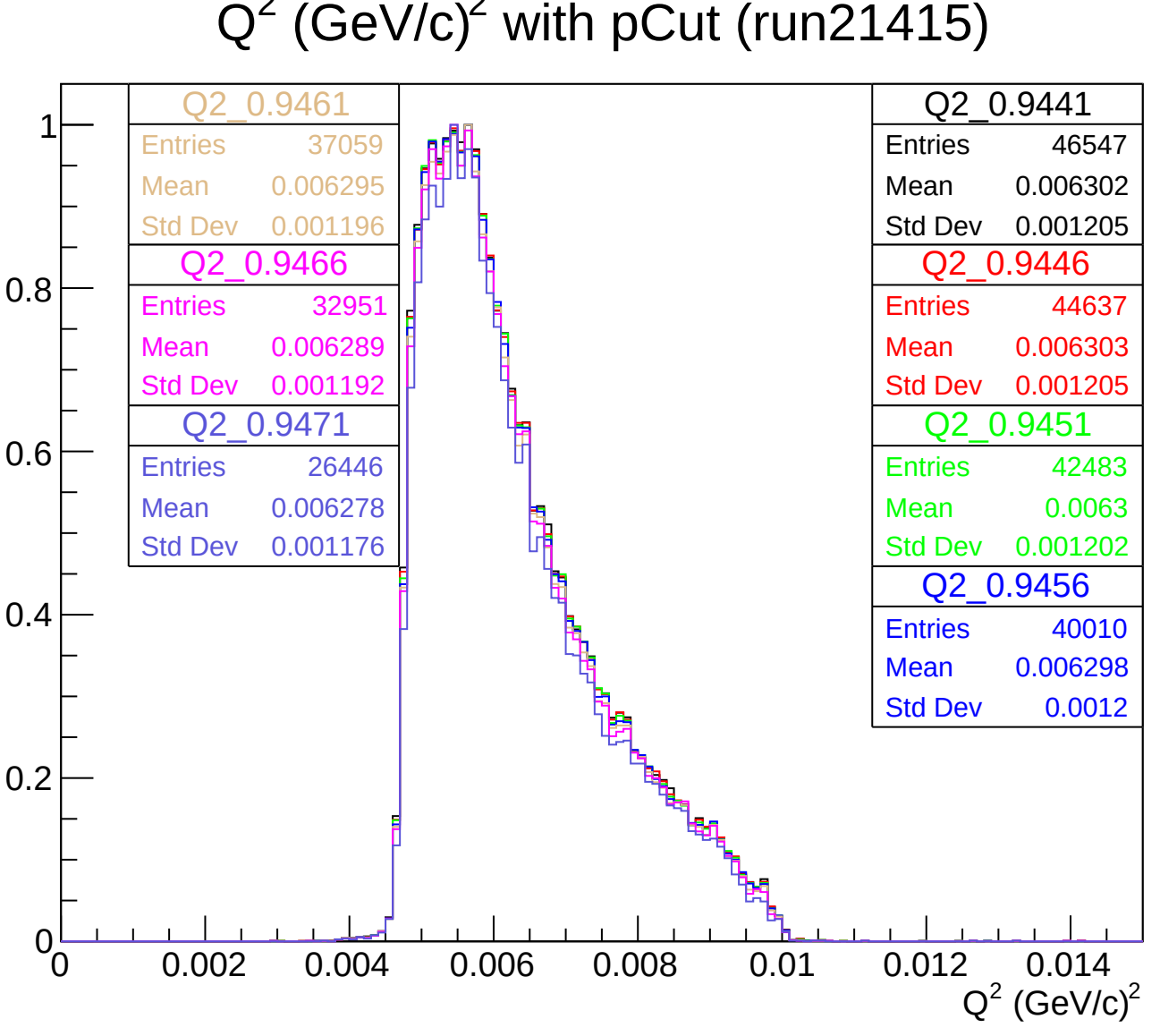


ADC raw (run21415, detZ = 1.3 m)

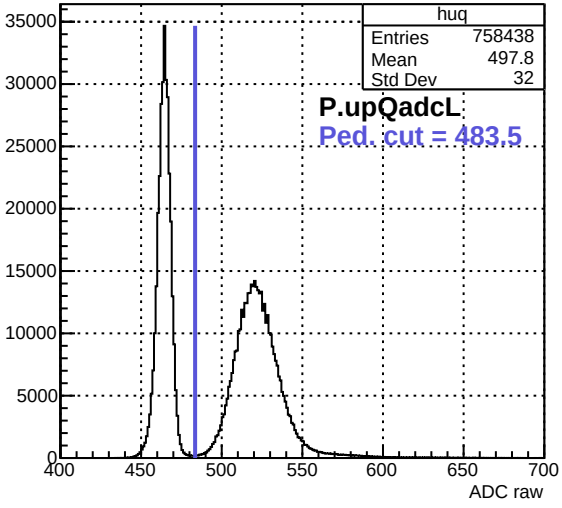


RHRS momentum (run21415)

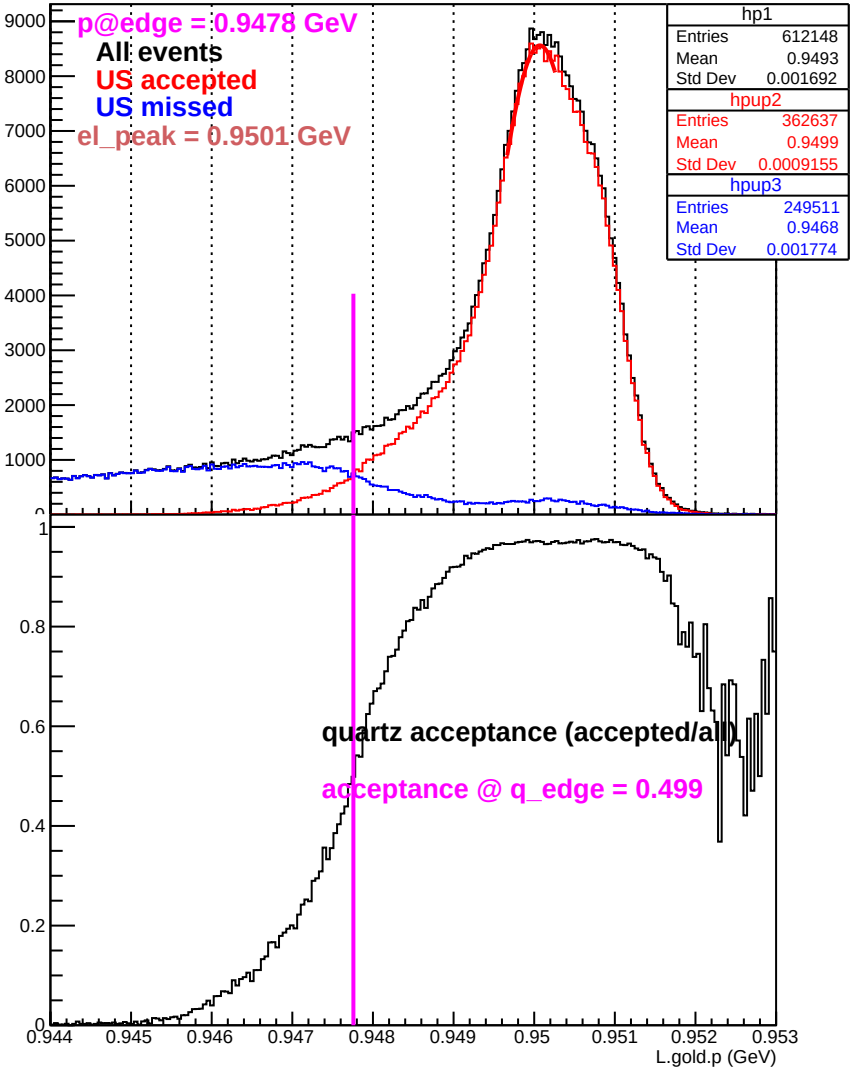


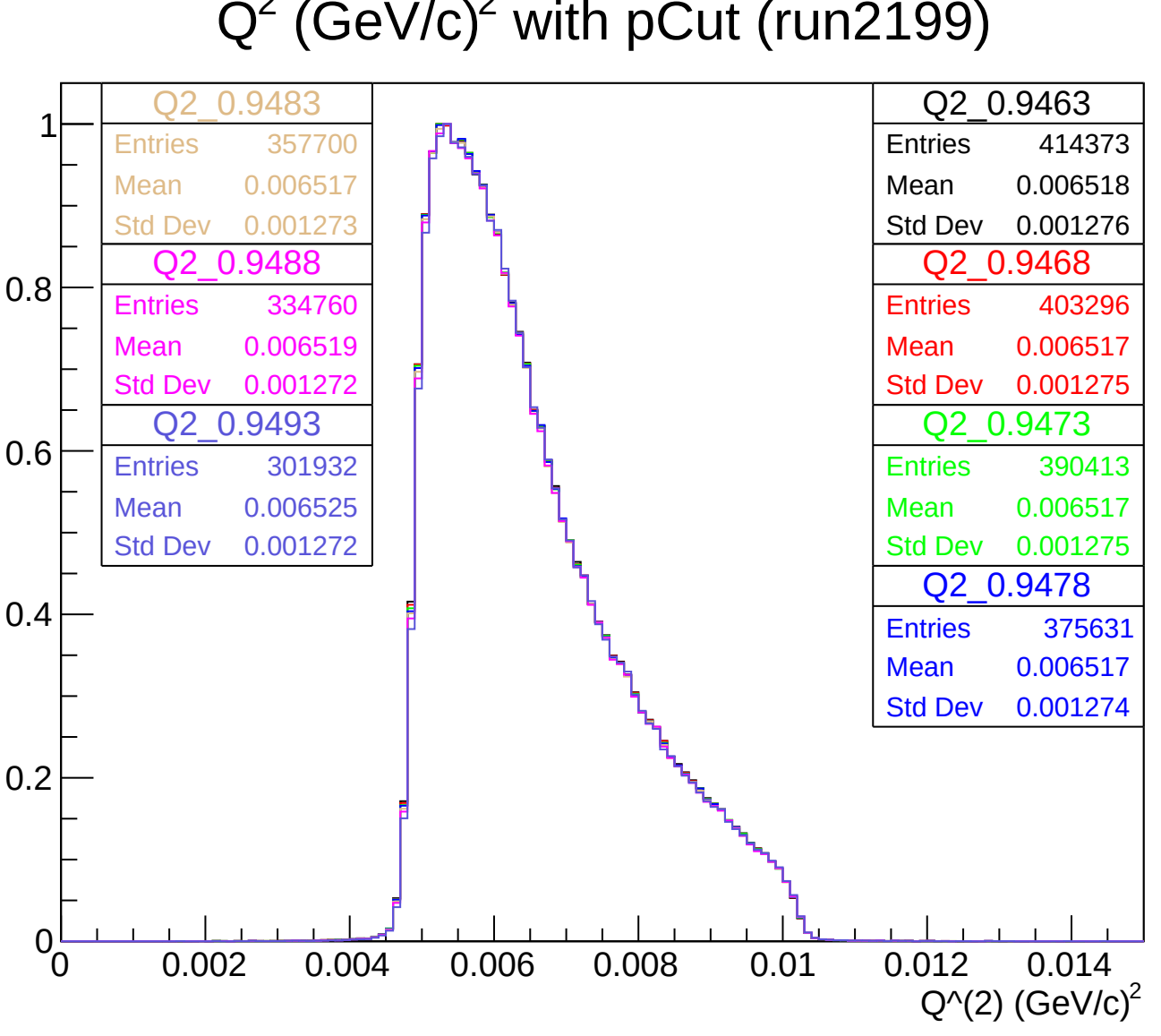

Q^2 (GeV/c)^2 with pCut (run21415)
Q2_0.9461
Entries 37059
Mean 0.006295
Std Dev 0.001196
Q2_0.9466
Entries 32951
Mean 0.006289
Std Dev 0.001192
Q2_0.9471
Entries 26446
Mean 0.006278
Std Dev 0.001176
Q2_0.9441
Entries 46547
Mean 0.006302
Std Dev 0.001205
Q2_0.9446
Entries 44637
Mean 0.006303
Std Dev 0.001205
Q2_0.9451
Entries 42483
Mean 0.0063
Std Dev 0.001202
Q2_0.9456
Entries 40010
Mean 0.006298
Std Dev 0.0012
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^2 (GeV/c)^2

ADC raw (run2199)

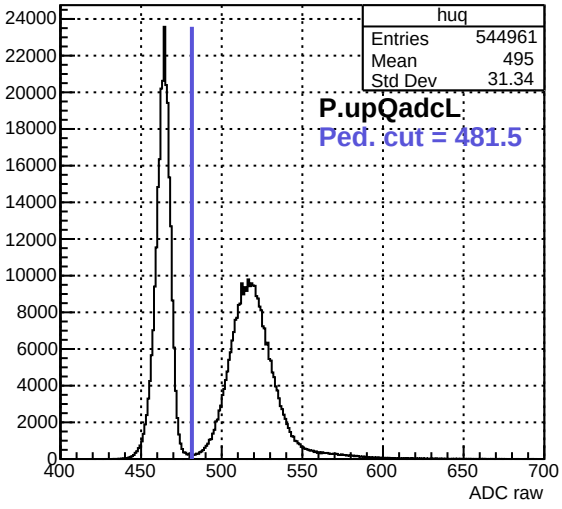


LHRS momentum run2199

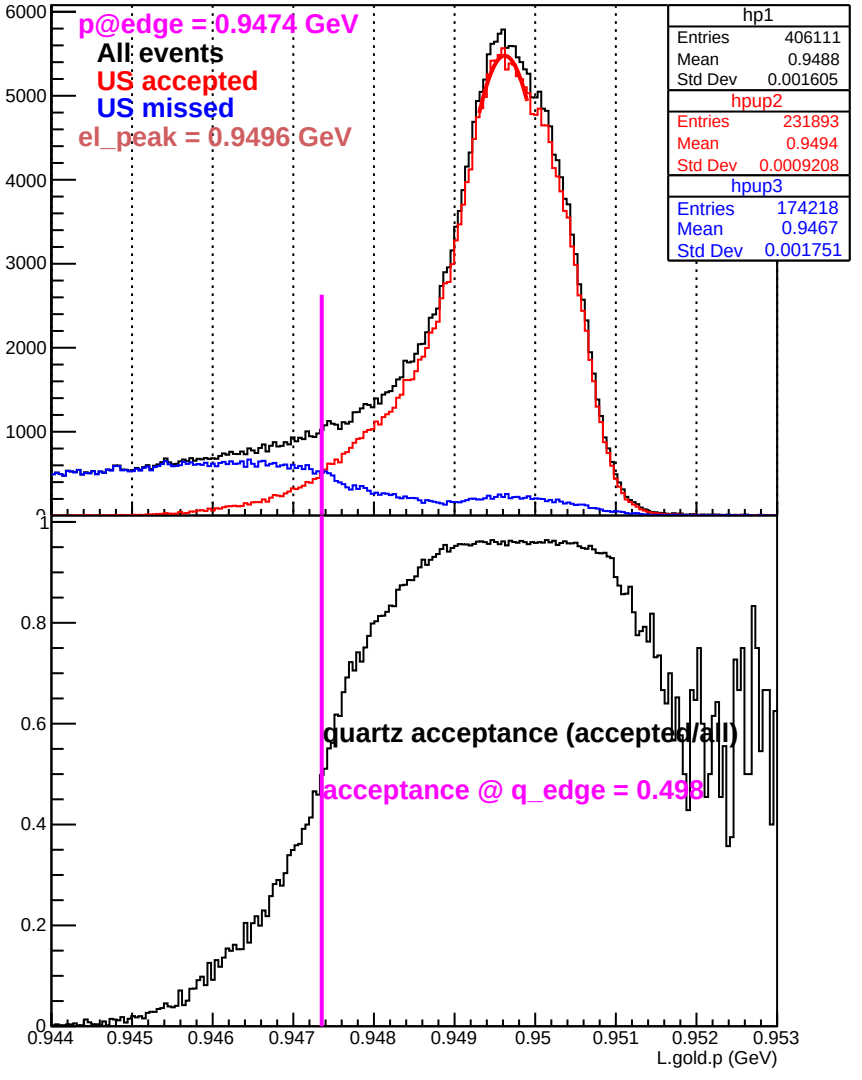


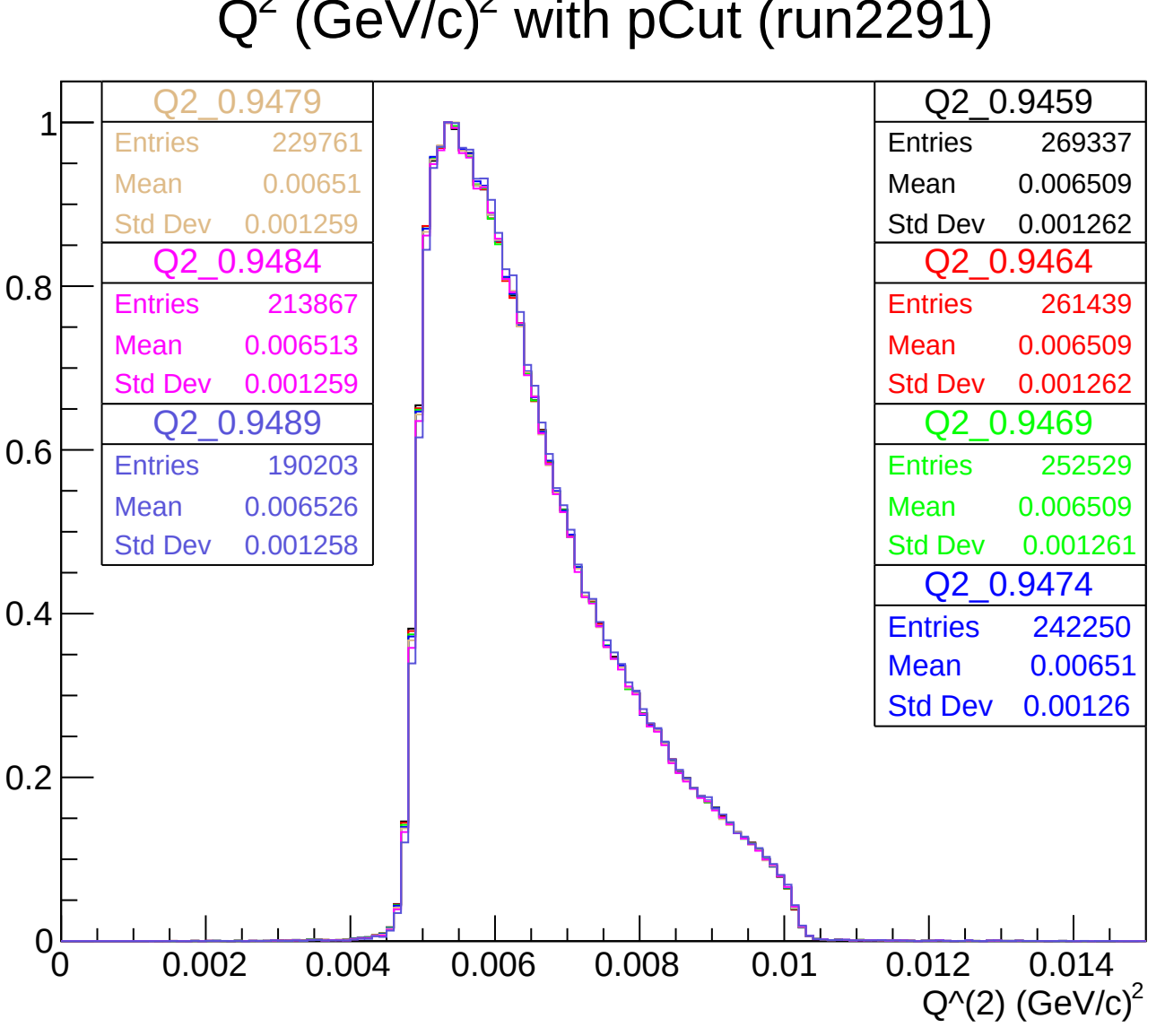

Q^2 (GeV/c)^2 with pCut (run2199)
Q2_0.9483
Entries 357700
Mean 0.006517
Std Dev 0.001273
Q2_0.9488
Entries 334760
Mean 0.006519
Std Dev 0.001272
Q2_0.9493
Entries 301932
Mean 0.006525
Std Dev 0.001272
Q2_0.9463
Entries 414373
Mean 0.006518
Std Dev 0.001276
Q2_0.9468
Entries 403296
Mean 0.006517
Std Dev 0.001275
Q2_0.9473
Entries 390413
Mean 0.006517
Std Dev 0.001275
Q2_0.9478
Entries 375631
Mean 0.006517
Std Dev 0.001274
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2

ADC raw (run2291)

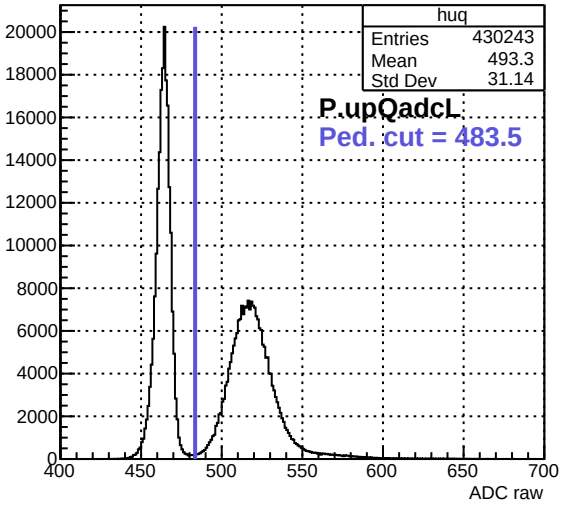


LHRS momentum run2291

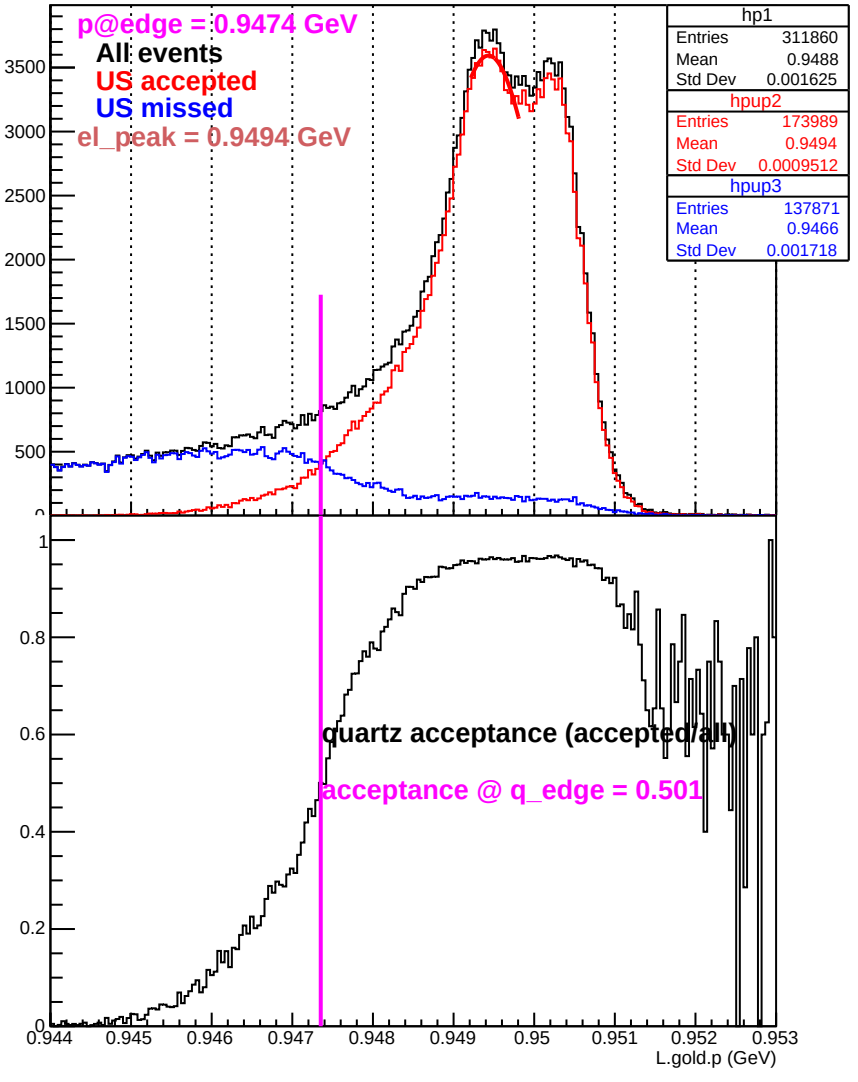


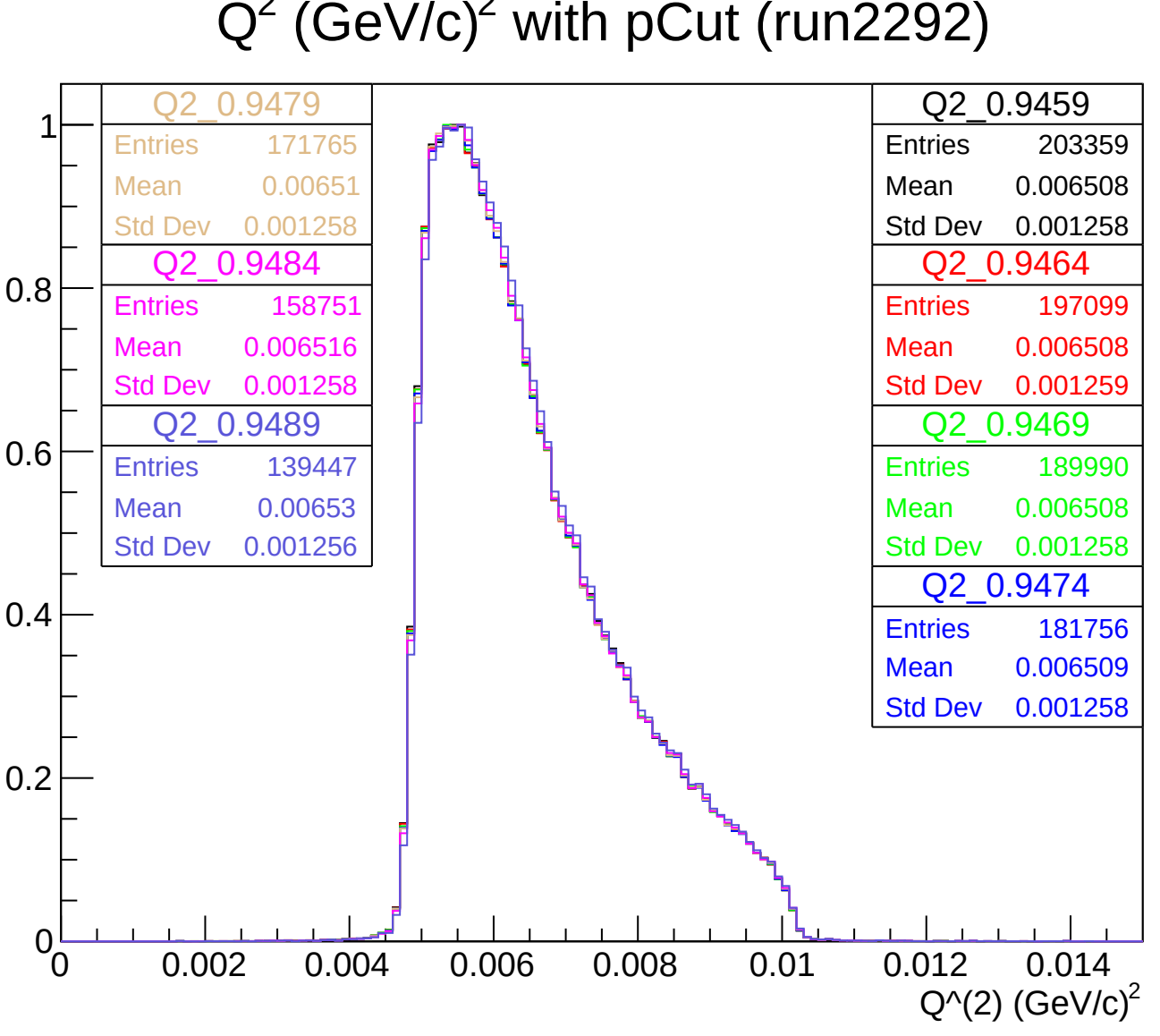

Q^2 (GeV/c)^2 with pCut (run2291)
Q2_0.9479
Entries 229761
Mean 0.00651
Std Dev 0.001259
Q2_0.9484
Entries 213867
Mean 0.006513
Std Dev 0.001259
Q2_0.9489
Entries 190203
Mean 0.006526
Std Dev 0.001258
Q2_0.9459
Entries 269337
Mean 0.006509
Std Dev 0.001262
Q2_0.9464
Entries 261439
Mean 0.006509
Std Dev 0.001262
Q2_0.9469
Entries 252529
Mean 0.006509
Std Dev 0.001261
Q2_0.9474
Entries 242250
Mean 0.00651
Std Dev 0.00126
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2

ADC raw (run2292)

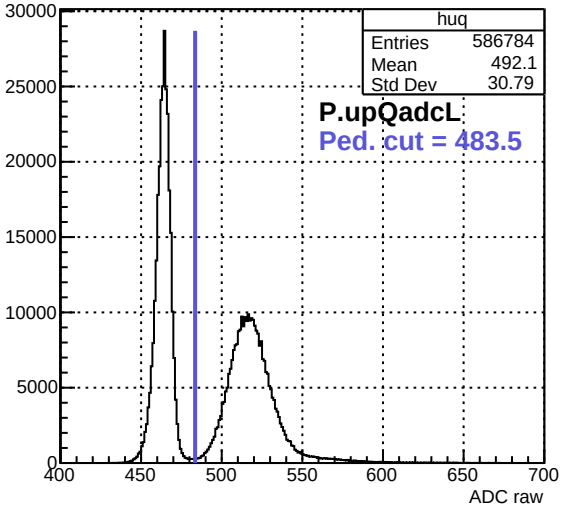


LHRS momentum run2292

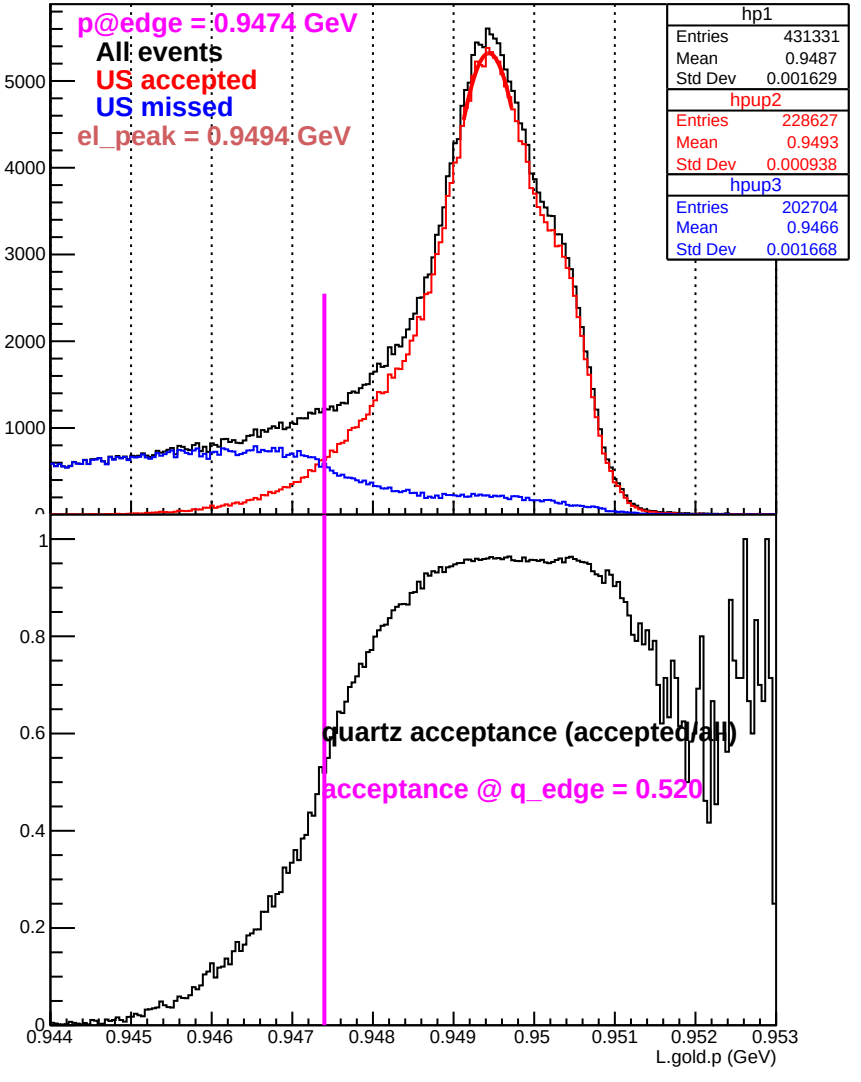


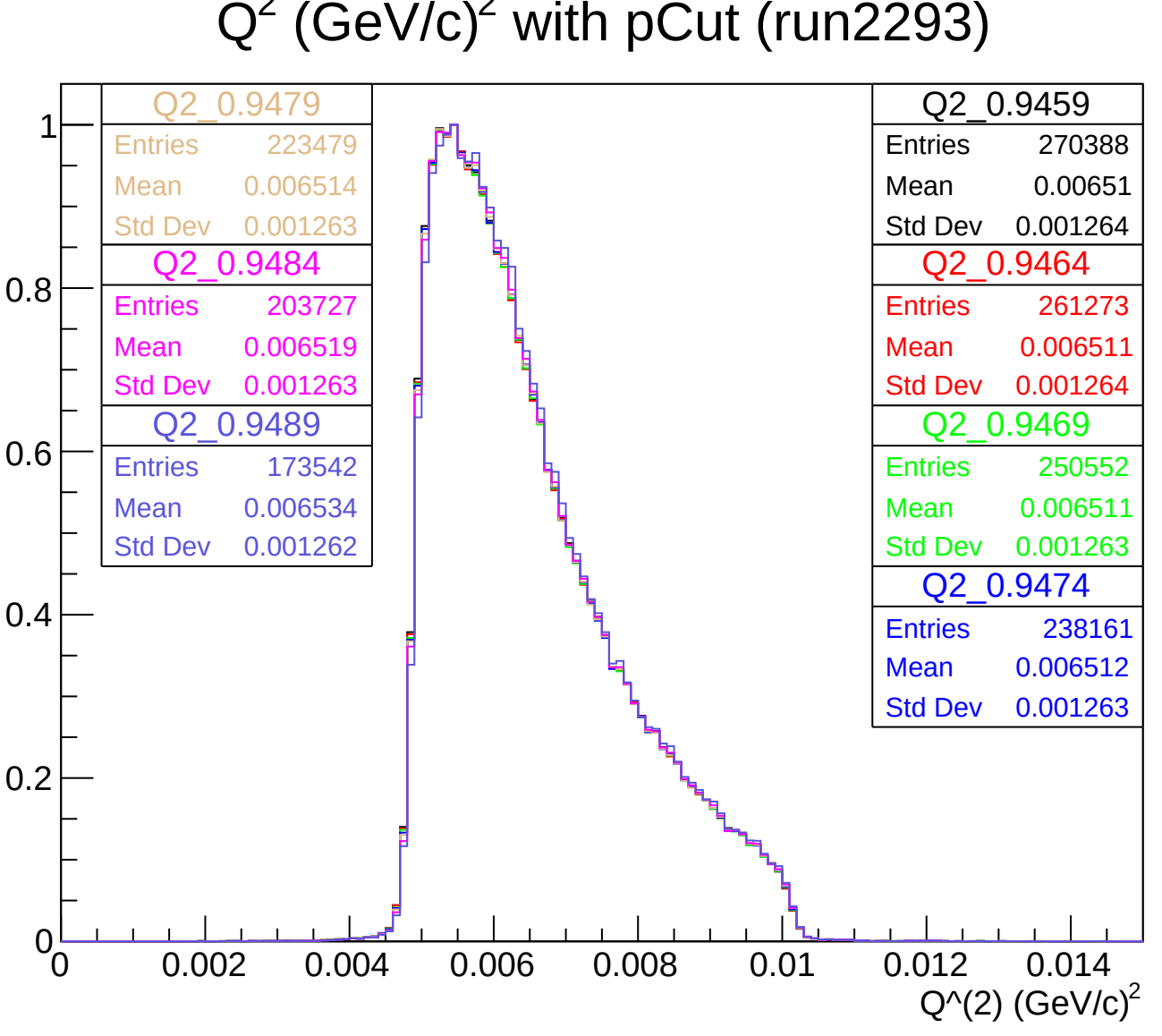

Q^2 (GeV/c)^2 with pCut (run2292)
Q2_0.9479
Entries 171765
Mean 0.00651
Std Dev 0.001258
Q2_0.9484
Entries 158751
Mean 0.006516
Std Dev 0.001258
Q2_0.9489
Entries 139447
Mean 0.00653
Std Dev 0.001256
Q2_0.9459
Entries 203359
Mean 0.006508
Std Dev 0.001258
Q2_0.9464
Entries 197099
Mean 0.006508
Std Dev 0.001259
Q2_0.9469
Entries 189990
Mean 0.006508
Std Dev 0.001258
Q2_0.9474
Entries 181756
Mean 0.006509
Std Dev 0.001258
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2

ADC raw (run2293)

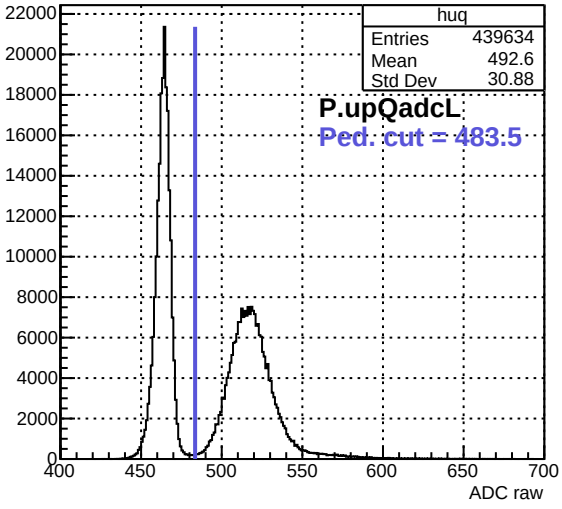


LHRS momentum run2293

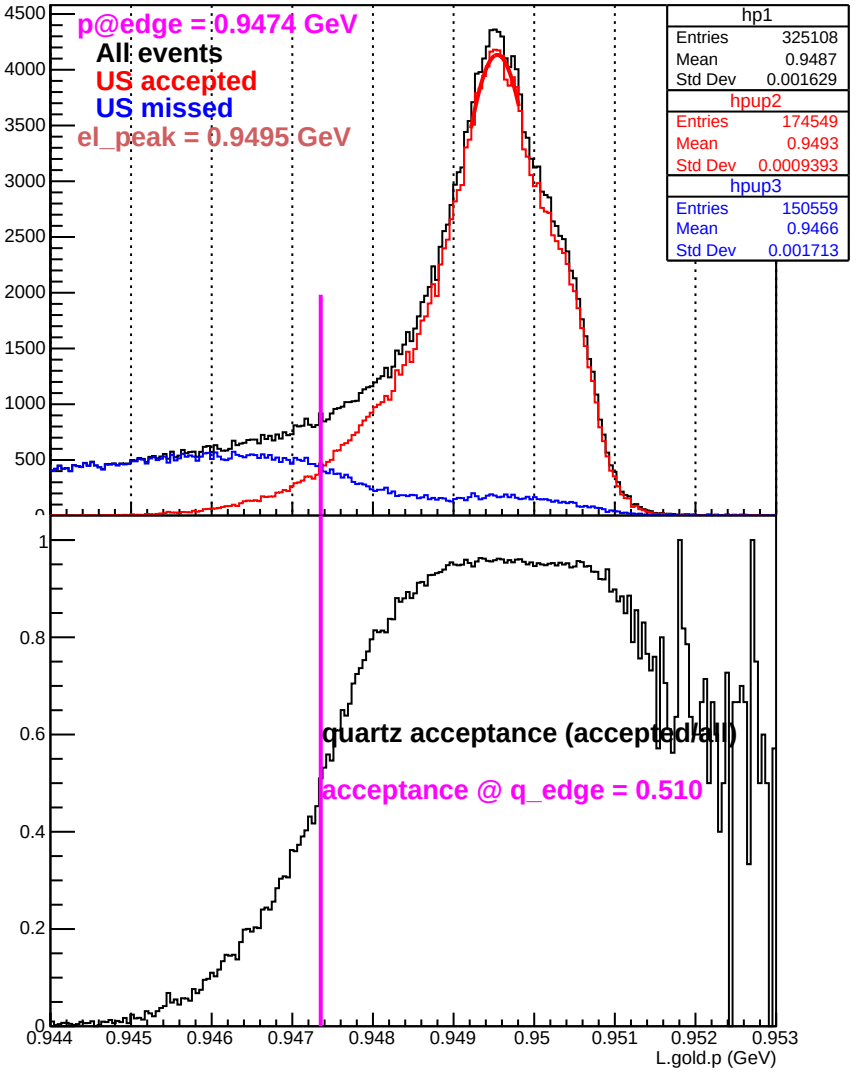


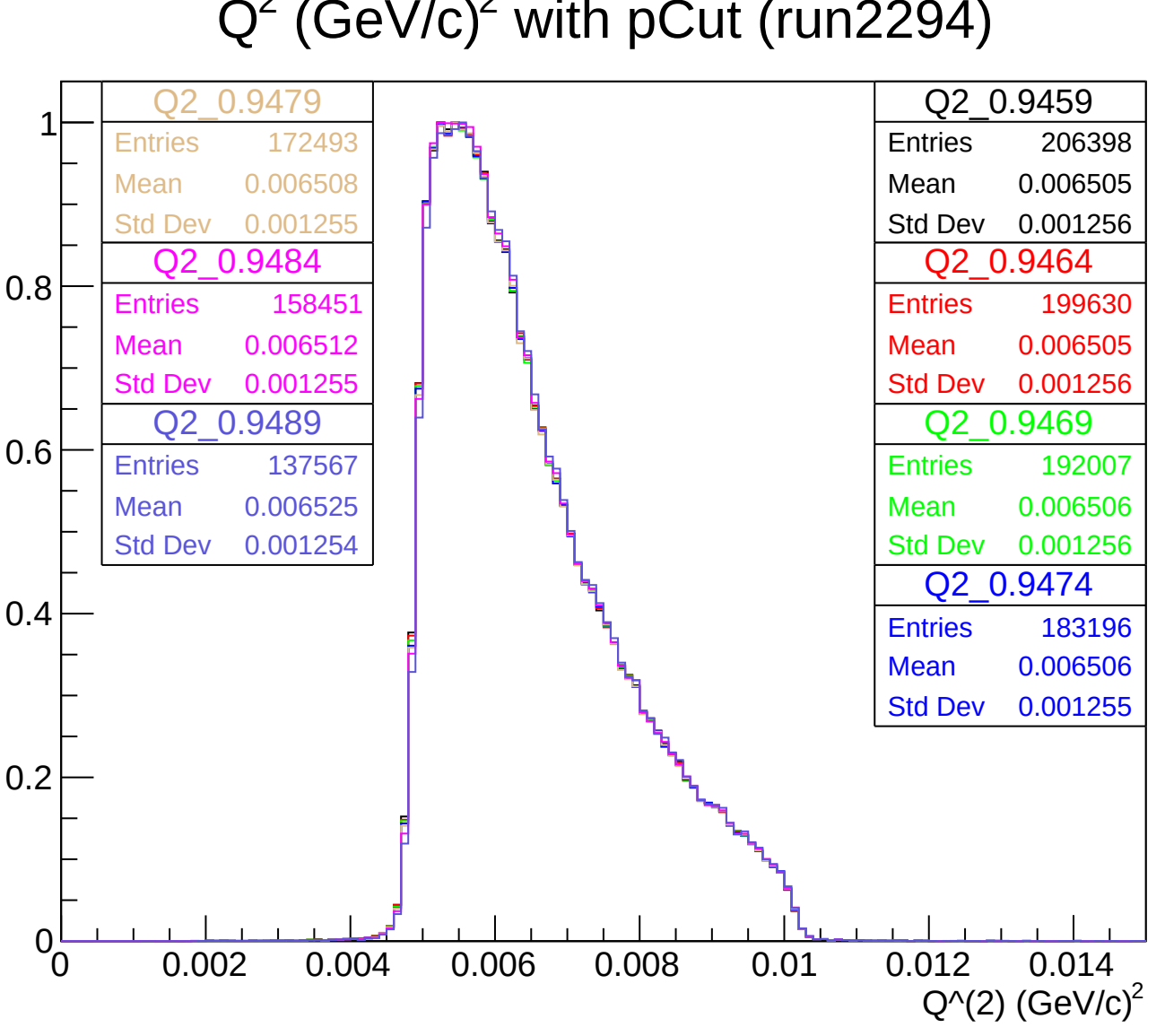

Q^2 (GeV/c)^2 with pCut (run2293)
Q2_0.9479
Entries 223479
Mean 0.006514
Std Dev 0.001263
Q2_0.9484
Entries 203727
Mean 0.006519
Std Dev 0.001263
Q2_0.9489
Entries 173542
Mean 0.006534
Std Dev 0.001262
Q2_0.9459
Entries 270388
Mean 0.00651
Std Dev 0.001264
Q2_0.9464
Entries 261273
Mean 0.006511
Std Dev 0.001264
Q2_0.9469
Entries 250552
Mean 0.006511
Std Dev 0.001263
Q2_0.9474
Entries 238161
Mean 0.006512
Std Dev 0.001263
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2

ADC raw (run2294)



LHRS momentum run2294




Q^2 (GeV/c)^2 with pCut (run2294)
Q2_0.9479
Entries 172493
Mean 0.006508
Std Dev 0.001255
Q2_0.9484
Entries 158451
Mean 0.006512
Std Dev 0.001255
Q2_0.9489
Entries 137567
Mean 0.006525
Std Dev 0.001254
Q2_0.9459
Entries 206398
Mean 0.006505
Std Dev 0.001256
Q2_0.9464
Entries 199630
Mean 0.006505
Std Dev 0.001256
Q2_0.9469
Entries 192007
Mean 0.006506
Std Dev 0.001256
Q2_0.9474
Entries 183196
Mean 0.006506
Std Dev 0.001255
1
0.8
0.6
0.4
0.2
0
0
0.002
0.004
0.006
0.008
0.01
0.012
0.014
Q^(2) (GeV/c)^2