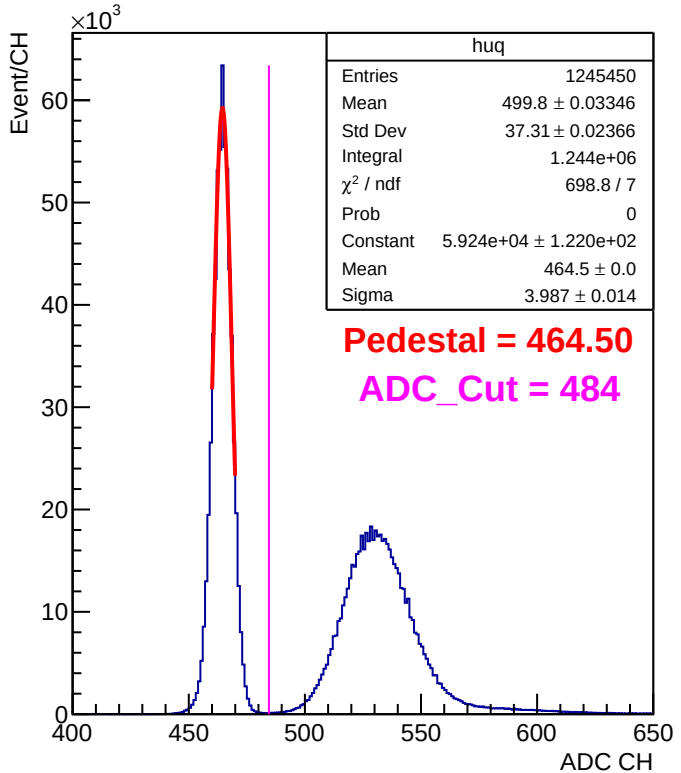
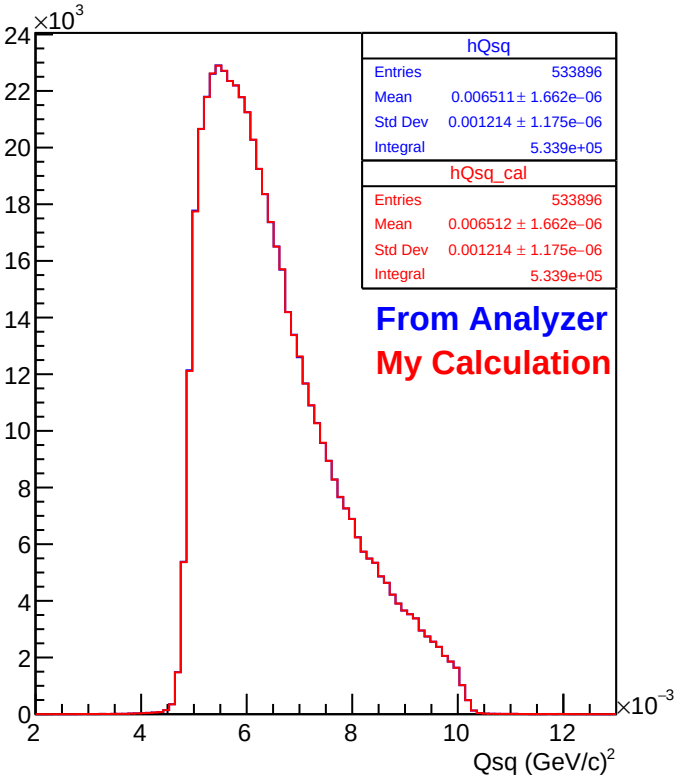
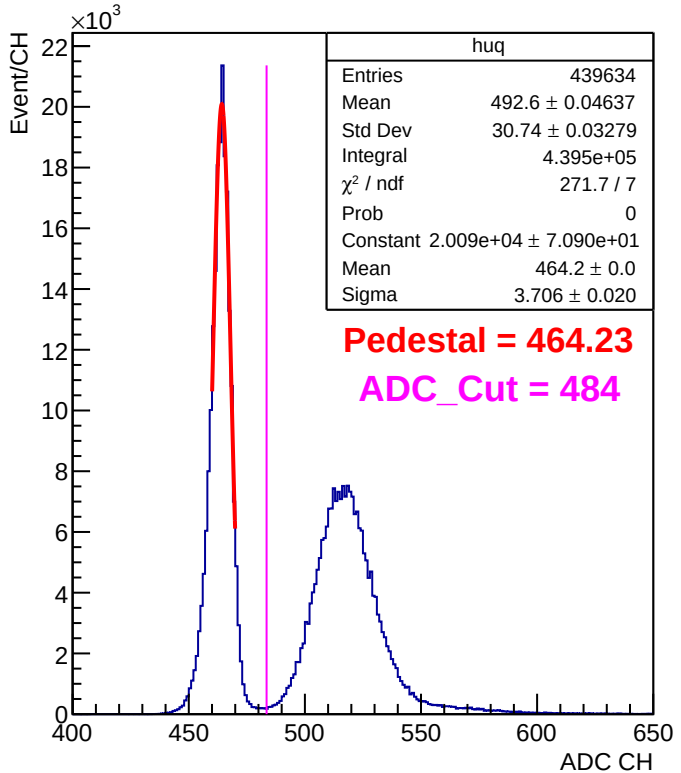
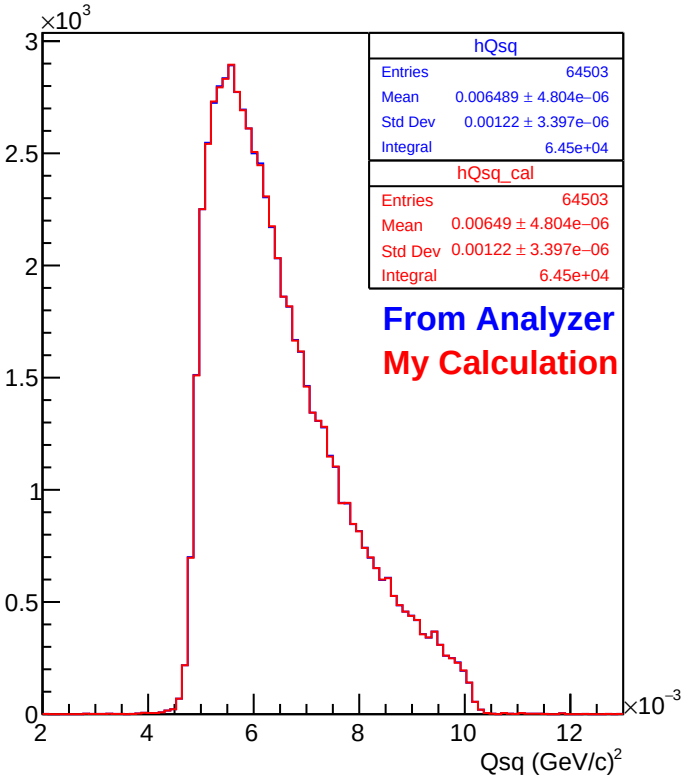
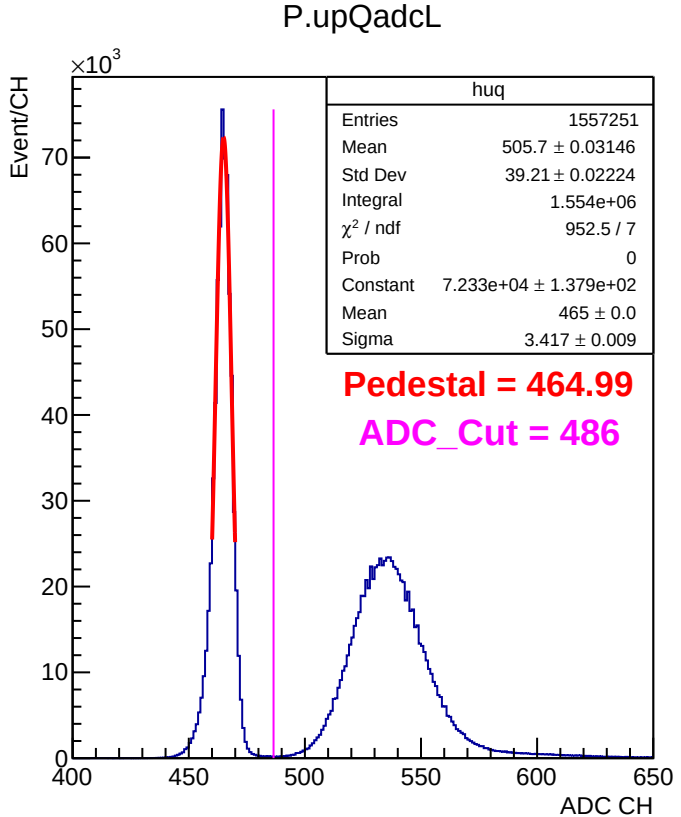
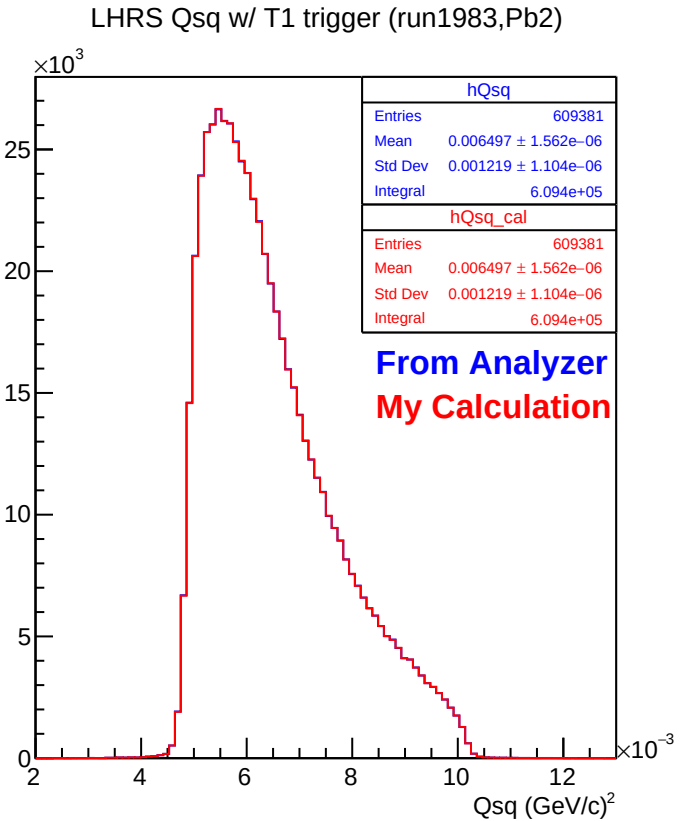

P.upQadcL
×10^3
Event/CH
ADC CH
huq
Entries 1245450
Mean 499.8 ± 0.03346
Std Dev 37.31 ± 0.02366
Integral 1.244e+06
χ² / ndf 698.8 / 7
Prob 0
Constant 5.924e+04 ± 1.220e+02
Mean 464.5 ± 0.0
Sigma 3.987 ± 0.014
Pedestal = 464.50
ADC_Cut = 484

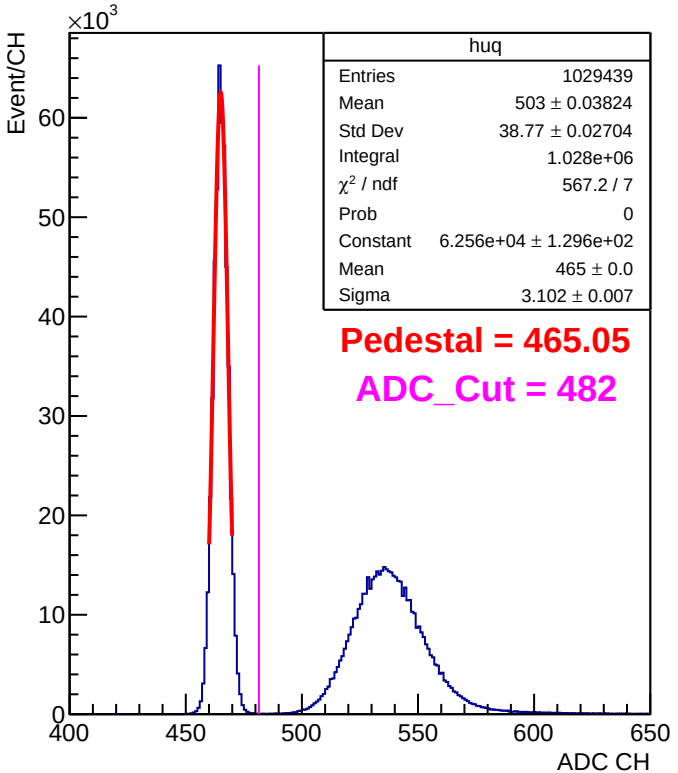

LHRS Qsq w/ T1 trigger (run2052,Pb10)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 533896
Mean 0.006511 ± 1.662e-06
Std Dev 0.001214 ± 1.175e-06
Integral 5.339e+05
hQsq_cal
Entries 533896
Mean 0.006512 ± 1.662e-06
Std Dev 0.001214 ± 1.175e-06
Integral 5.339e+05
From Analyzer
My Calculation

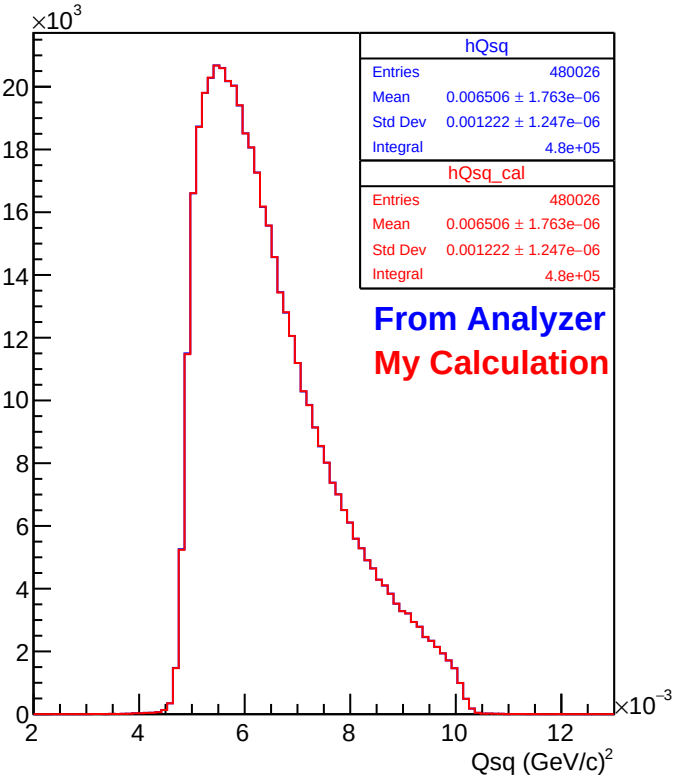

P.upQadcL
×10^3
Event/CH
ADC CH
huq
Entries 439634
Mean 492.6 ± 0.04637
Std Dev 30.74 ± 0.03279
Integral 4.395e+05
χ² / ndf 271.7 / 7
Prob 0
Constant 2.009e+04 ± 7.090e+01
Mean 464.2 ± 0.0
Sigma 3.706 ± 0.020
Pedestal = 464.23
ADC_Cut = 484

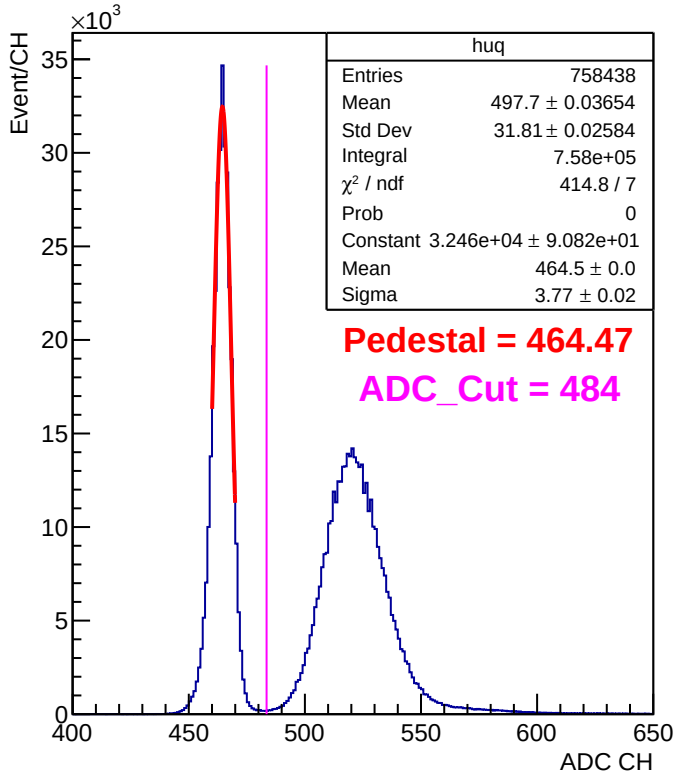

LHRS Qsq w/ T1 trigger (run2294,Pb10)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 64503
Mean 0.006489 ± 4.804e−06
Std Dev 0.00122 ± 3.397e−06
Integral 6.45e+04
hQsq_cal
Entries 64503
Mean 0.00649 ± 4.804e−06
Std Dev 0.00122 ± 3.397e−06
Integral 6.45e+04
From Analyzer
My Calculation

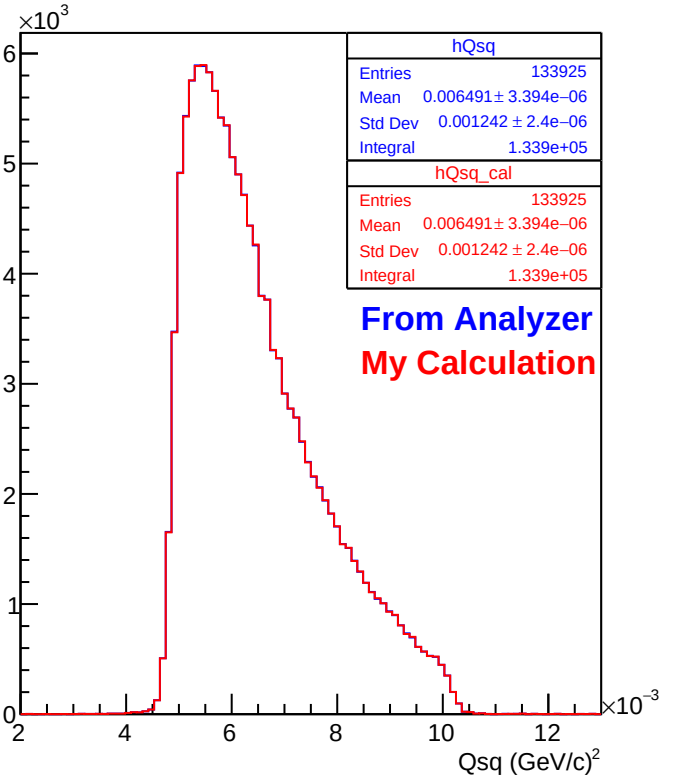

P.upQadcL
×10^3
Event/CH
ADC CH
huq
Entries 1557251
Mean 505.7 ± 0.03146
Std Dev 39.21 ± 0.02224
Integral 1.554e+06
χ² / ndf 952.5 / 7
Prob 0
Constant 7.233e+04 ± 1.379e+02
Mean 465 ± 0.0
Sigma 3.417 ± 0.009
Pedestal = 464.99
ADC_Cut = 486

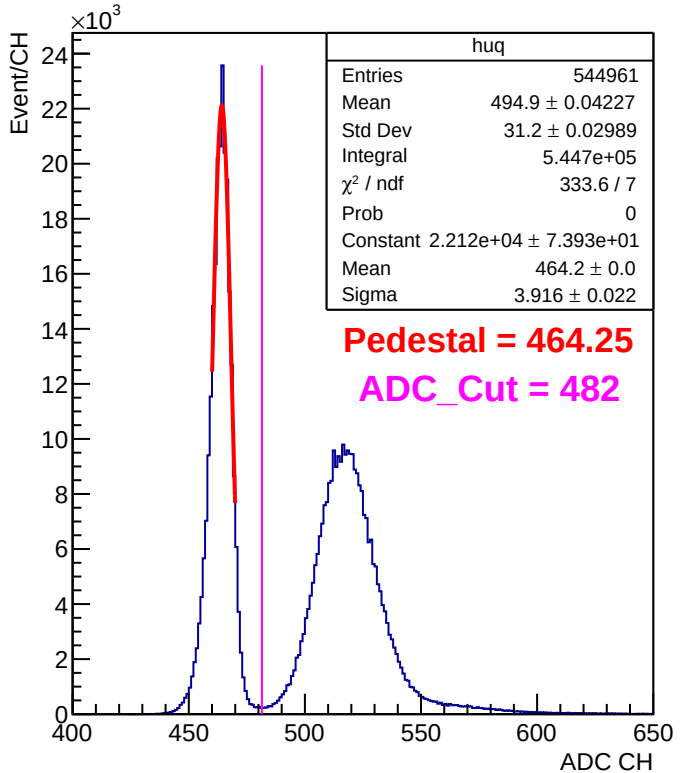

LHRS Qsq w/ T1 trigger (run1983,Pb2)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 609381
Mean 0.006497 ± 1.562e−06
Std Dev 0.001219 ± 1.104e−06
Integral 6.094e+05
hQsq_cal
Entries 609381
Mean 0.006497 ± 1.562e−06
Std Dev 0.001219 ± 1.104e−06
Integral 6.094e+05
From Analyzer
My Calculation

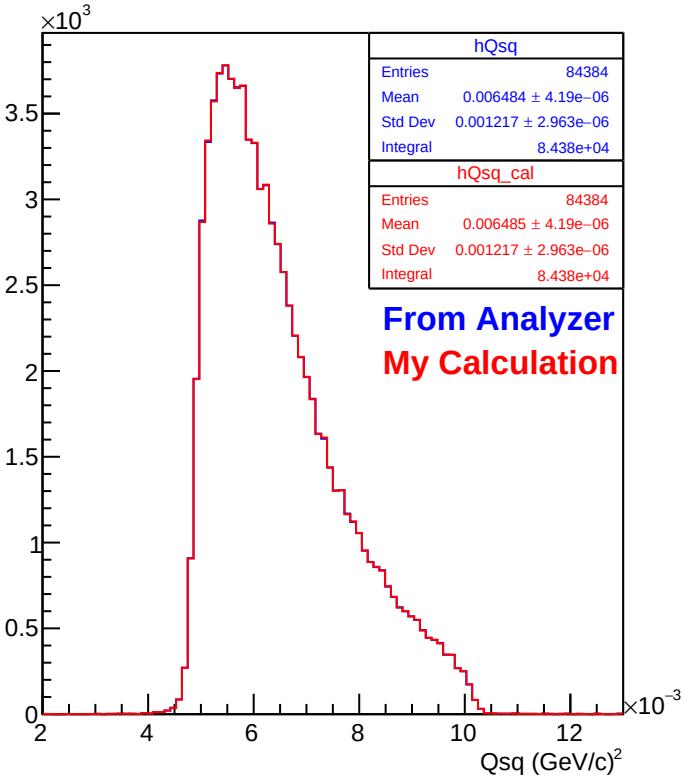

P.upQadcL
×10^3
Event/CH
huq
Entries 1029439
Mean 503 ± 0.03824
Std Dev 38.77 ± 0.02704
Integral 1.028e+06
χ² / ndf 567.2 / 7
Prob 0
Constant 6.256e+04 ± 1.296e+02
Mean 465 ± 0.0
Sigma 3.102 ± 0.007
Pedestal = 465.05
ADC_Cut = 482
ADC CH

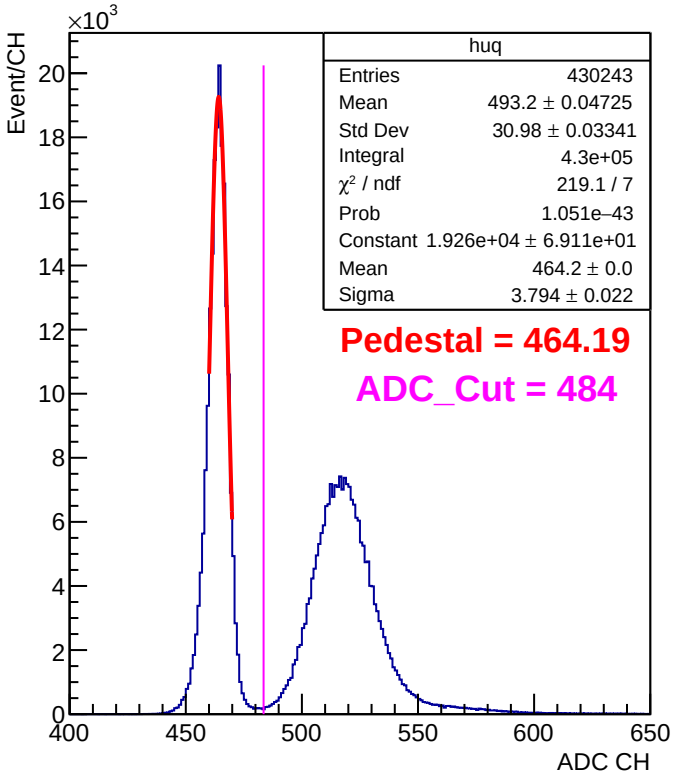

LHRS Qsq w/ T1 trigger (run1996,Pb2)
×10^3
hQsq
Entries 480026
Mean 0.006506 ± 1.763e−06
Std Dev 0.001222 ± 1.247e−06
Integral 4.8e+05
hQsq_cal
Entries 480026
Mean 0.006506 ± 1.763e−06
Std Dev 0.001222 ± 1.247e−06
Integral 4.8e+05
From Analyzer
My Calculation
×10^−3
Qsq (GeV/c)²

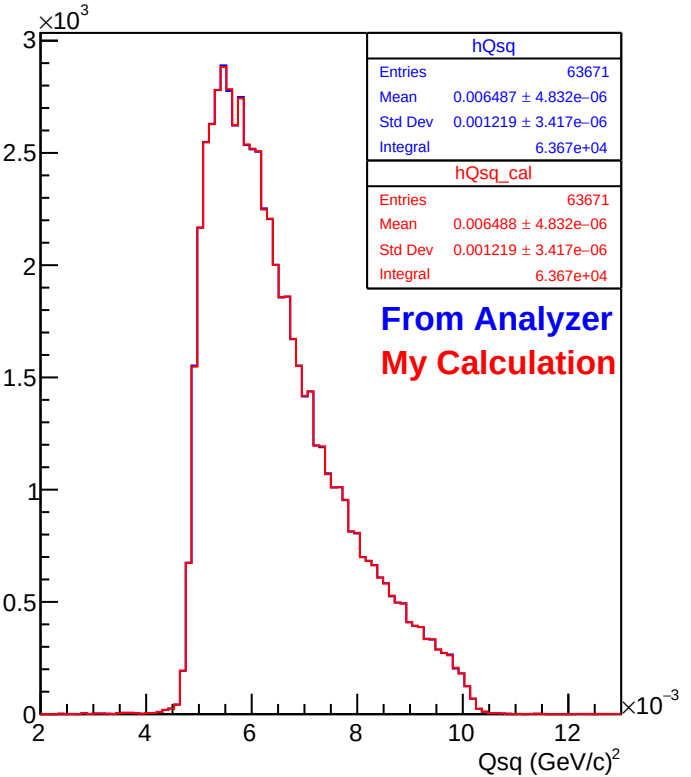

P.upQadcL
×10^3
Event/CH
ADC CH
huq
Entries 758438
Mean 497.7 ± 0.03654
Std Dev 31.81 ± 0.02584
Integral 7.58e+05
χ² / ndf 414.8 / 7
Prob 0
Constant 3.246e+04 ± 9.082e+01
Mean 464.5 ± 0.0
Sigma 3.77 ± 0.02
Pedestal = 464.47
ADC_Cut = 484

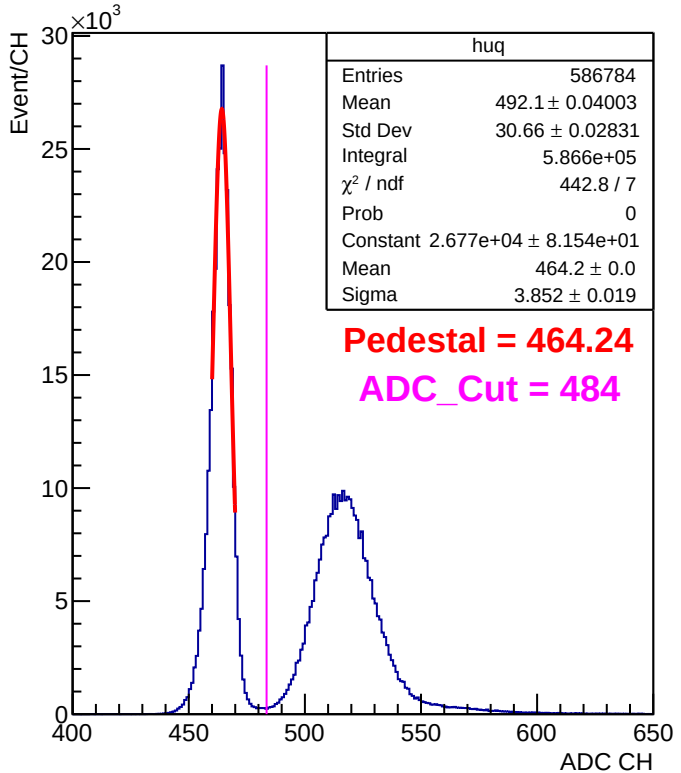

LHRS Qsq w/ T1 trigger (run2199,Pb7)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 133925
Mean 0.006491 ± 3.394e−06
Std Dev 0.001242 ± 2.4e−06
Integral 1.339e+05
hQsq_cal
Entries 133925
Mean 0.006491 ± 3.394e−06
Std Dev 0.001242 ± 2.4e−06
Integral 1.339e+05
From Analyzer
My Calculation

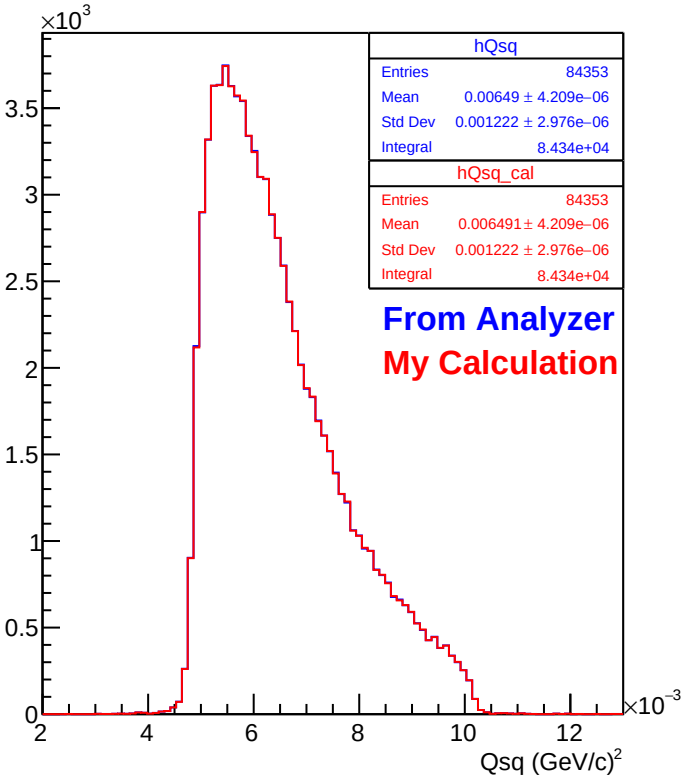

P.upQadcL
×10^3
Event/CH
ADC CH
huq
Entries 544961
Mean 494.9 ± 0.04227
Std Dev 31.2 ± 0.02989
Integral 5.447e+05
χ² / ndf 333.6 / 7
Prob 0
Constant 2.212e+04 ± 7.393e+01
Mean 464.2 ± 0.0
Sigma 3.916 ± 0.022
Pedestal = 464.25
ADC_Cut = 482

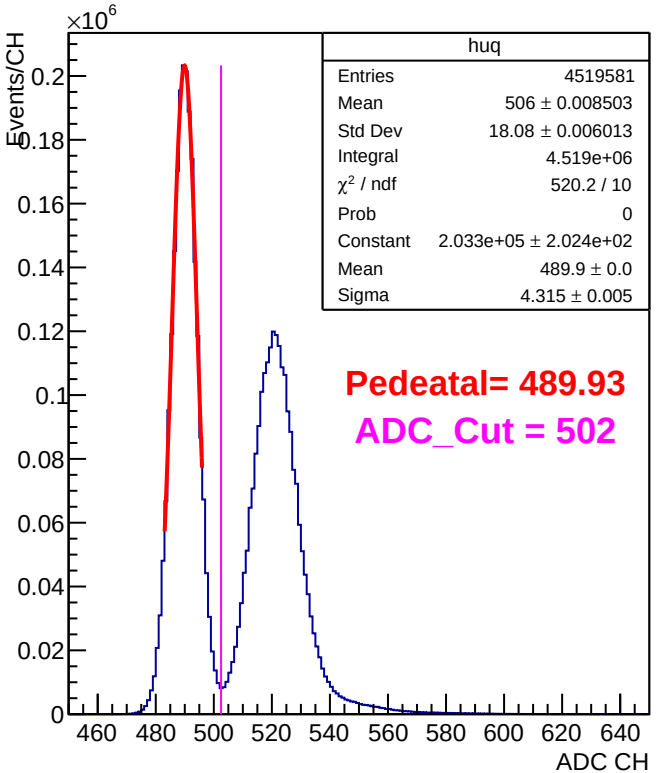

LHRS Qsq w/ T1 trigger (run2291,Pb7)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 84384
Mean 0.006484 ± 4.19e−06
Std Dev 0.001217 ± 2.963e−06
Integral 8.438e+04
hQsq_cal
Entries 84384
Mean 0.006485 ± 4.19e−06
Std Dev 0.001217 ± 2.963e−06
Integral 8.438e+04
From Analyzer
My Calculation

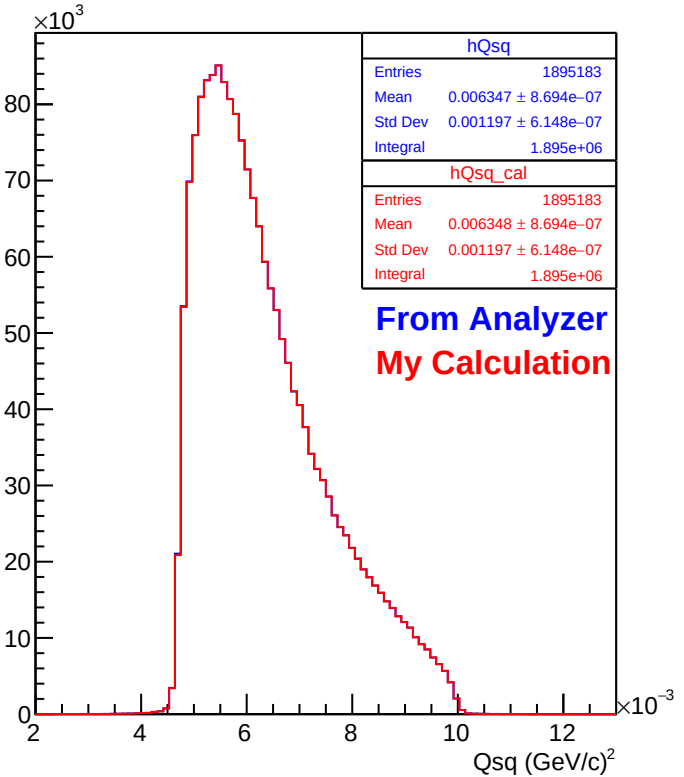

P.upQadcL
×10^3
Event/CH
ADC CH
huq
Entries 430243
Mean 493.2 ± 0.04725
Std Dev 30.98 ± 0.03341
Integral 4.3e+05
χ² / ndf 219.1 / 7
Prob 1.051e–43
Constant 1.926e+04 ± 6.911e+01
Mean 464.2 ± 0.0
Sigma 3.794 ± 0.022
Pedestal = 464.19
ADC_Cut = 484

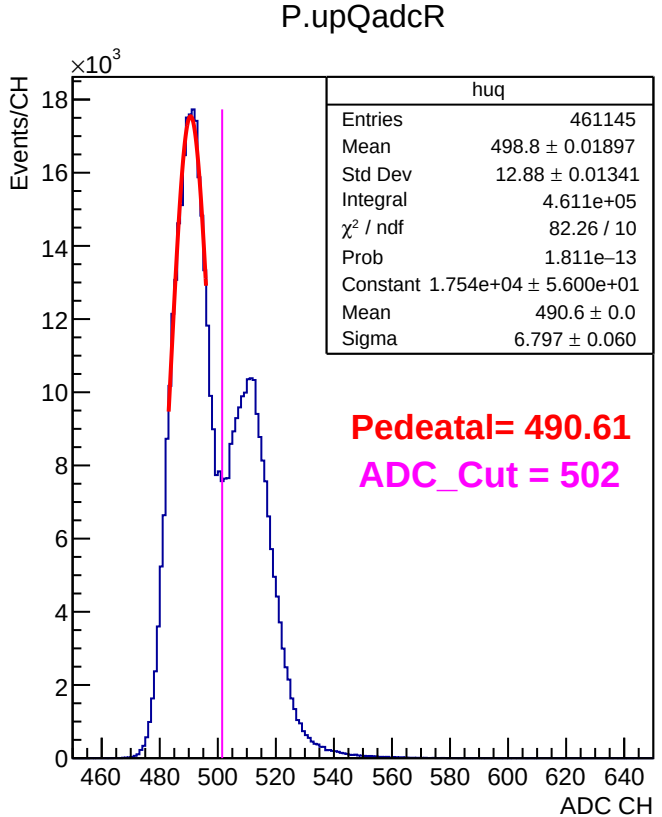

LHRS Qsq w/ T1 trigger (run2292,Pb8)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 63671
Mean 0.006487 ± 4.832e–06
Std Dev 0.001219 ± 3.417e–06
Integral 6.367e+04
hQsq_cal
Entries 63671
Mean 0.006488 ± 4.832e–06
Std Dev 0.001219 ± 3.417e–06
Integral 6.367e+04
From Analyzer
My Calculation

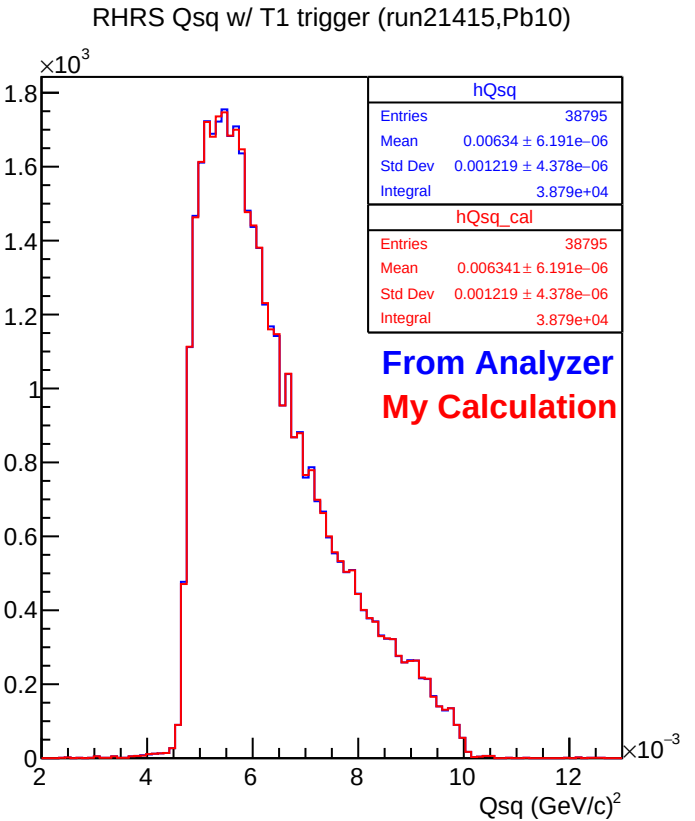

P.upQadcL
×10^3
Event/CH
ADC CH
huq
Entries 586784
Mean 492.1 ± 0.04003
Std Dev 30.66 ± 0.02831
Integral 5.866e+05
χ² / ndf 442.8 / 7
Prob 0
Constant 2.677e+04 ± 8.154e+01
Mean 464.2 ± 0.0
Sigma 3.852 ± 0.019
Pedestal = 464.24
ADC_Cut = 484

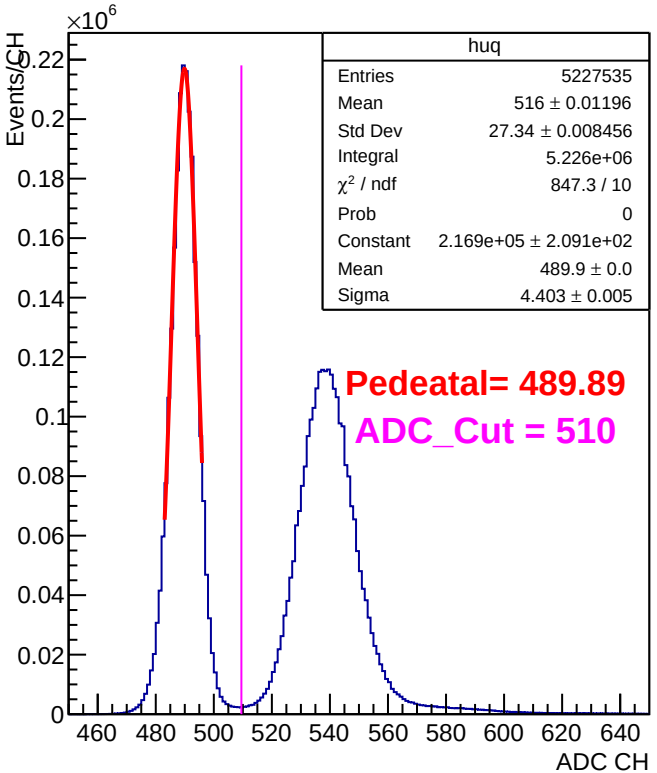

LHRS Qsq w/ T1 trigger (run2293,Pb9)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 84353
Mean 0.00649 ± 4.209e−06
Std Dev 0.001222 ± 2.976e−06
Integral 8.434e+04
hQsq_cal
Entries 84353
Mean 0.006491 ± 4.209e−06
Std Dev 0.001222 ± 2.976e−06
Integral 8.434e+04
From Analyzer
My Calculation

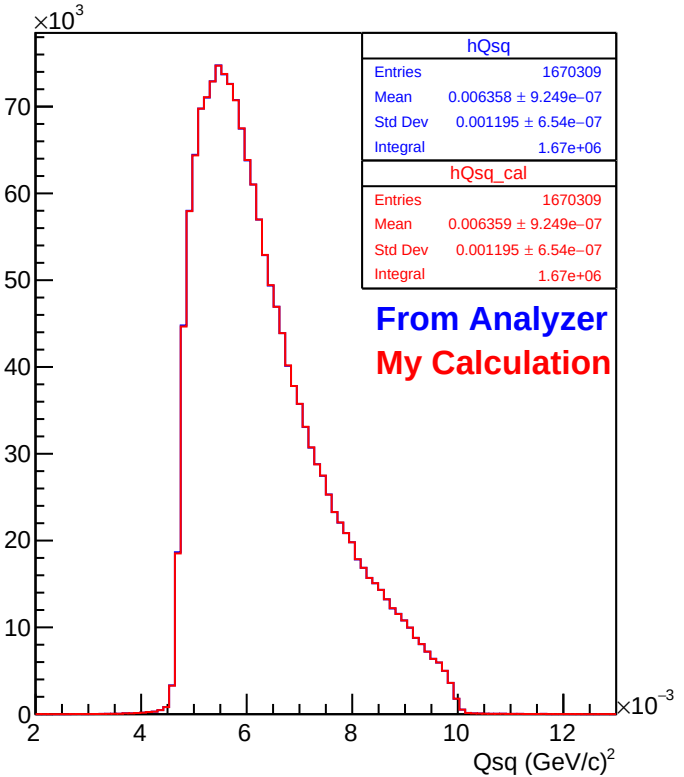

P.upQadcR
×10^6
Events/CH
ADC CH
huq
Entries 4519581
Mean 506 ± 0.008503
Std Dev 18.08 ± 0.006013
Integral 4.519e+06
χ² / ndf 520.2 / 10
Prob 0
Constant 2.033e+05 ± 2.024e+02
Mean 489.9 ± 0.0
Sigma 4.315 ± 0.005
Pedeatal= 489.93
ADC_Cut = 502

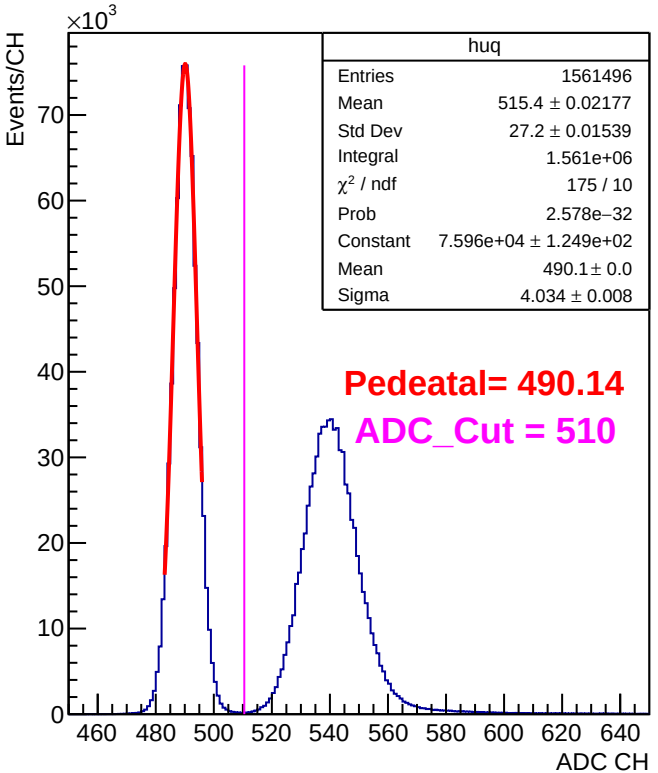

RHRS Qsq w/ T1 trigger (run21185,Pb10)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 1895183
Mean 0.006347 ± 8.694e−07
Std Dev 0.001197 ± 6.148e−07
Integral 1.895e+06
hQsq_cal
Entries 1895183
Mean 0.006348 ± 8.694e−07
Std Dev 0.001197 ± 6.148e−07
Integral 1.895e+06
From Analyzer
My Calculation

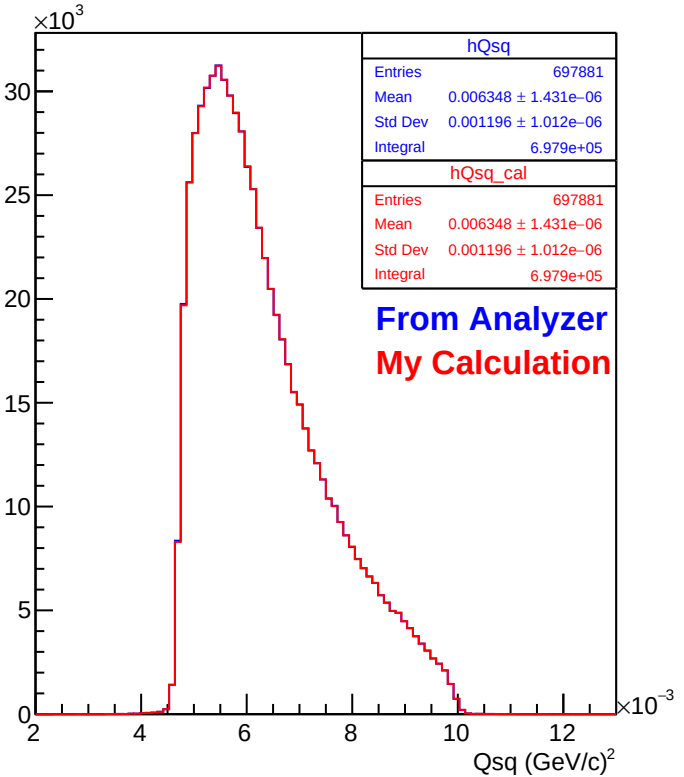

P.upQadcR
×10^3
Events/CH
ADC CH
huq
Entries 461145
Mean 498.8 ± 0.01897
Std Dev 12.88 ± 0.01341
Integral 4.611e+05
χ² / ndf 82.26 / 10
Prob 1.811e−13
Constant 1.754e+04 ± 5.600e+01
Mean 490.6 ± 0.0
Sigma 6.797 ± 0.060
Pedeatal= 490.61
ADC_Cut = 502

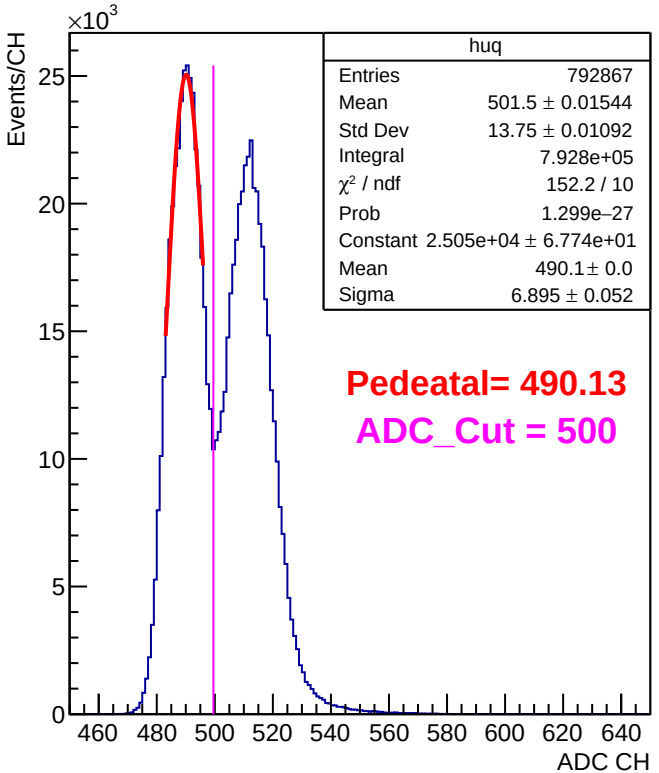

RHRS Qsq w/ T1 trigger (run21415,Pb10)
×10^3
×10^−3
Qsq (GeV/c)²
hQsq
Entries 38795
Mean 0.00634 ± 6.191e−06
Std Dev 0.001219 ± 4.378e−06
Integral 3.879e+04
hQsq_cal
Entries 38795
Mean 0.006341 ± 6.191e−06
Std Dev 0.001219 ± 4.378e−06
Integral 3.879e+04
From Analyzer
My Calculation

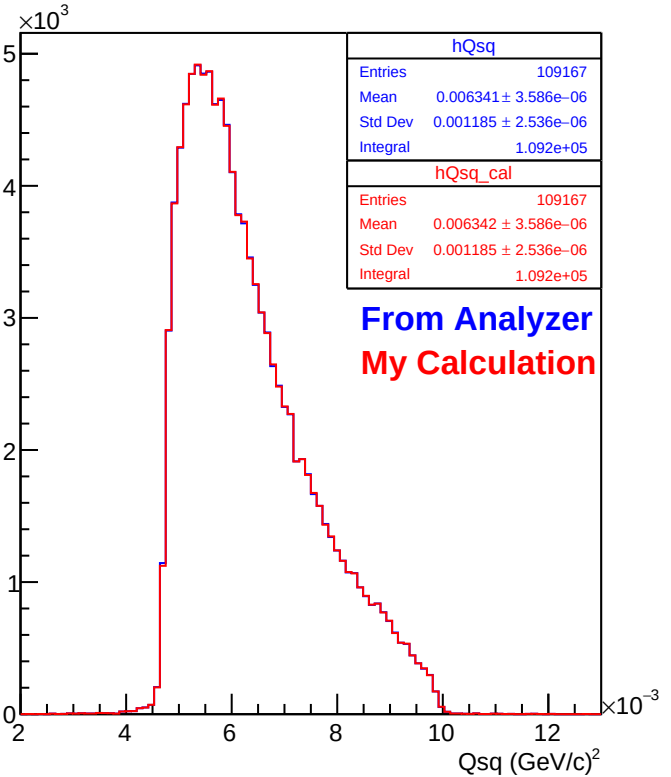

P.upQadcR
×10^6
Events/CH
0.22
0.2
0.18
0.16
0.14
0.12
0.1
0.08
0.06
0.04
0.02
0
460 480 500 520 540 560 580 600 620 640
ADC CH
huq
Entries 5227535
Mean 516 ± 0.01196
Std Dev 27.34 ± 0.008456
Integral 5.226e+06
χ² / ndf 847.3 / 10
Prob 0
Constant 2.169e+05 ± 2.091e+02
Mean 489.9 ± 0.0
Sigma 4.403 ± 0.005
Pedeatal= 489.89
ADC_Cut = 510

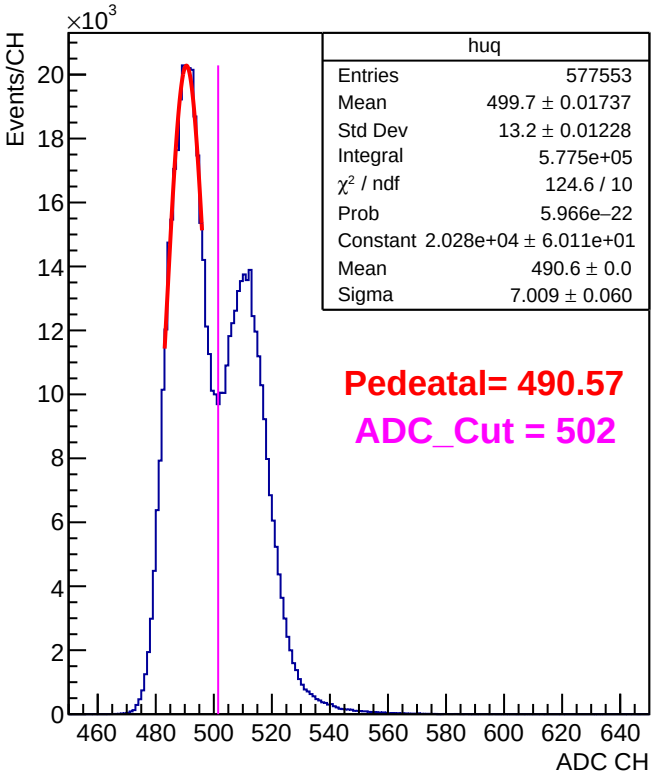

RHRS Qsq w/ T1 trigger (run21108,Pb2)
×10^3
70
60
50
40
30
20
10
0
2 4 6 8 10 12
×10^-3
Qsq (GeV/c)²
hQsq
Entries 1670309
Mean 0.006358 ± 9.249e−07
Std Dev 0.001195 ± 6.54e−07
Integral 1.67e+06
hQsq_cal
Entries 1670309
Mean 0.006359 ± 9.249e−07
Std Dev 0.001195 ± 6.54e−07
Integral 1.67e+06
From Analyzer
My Calculation

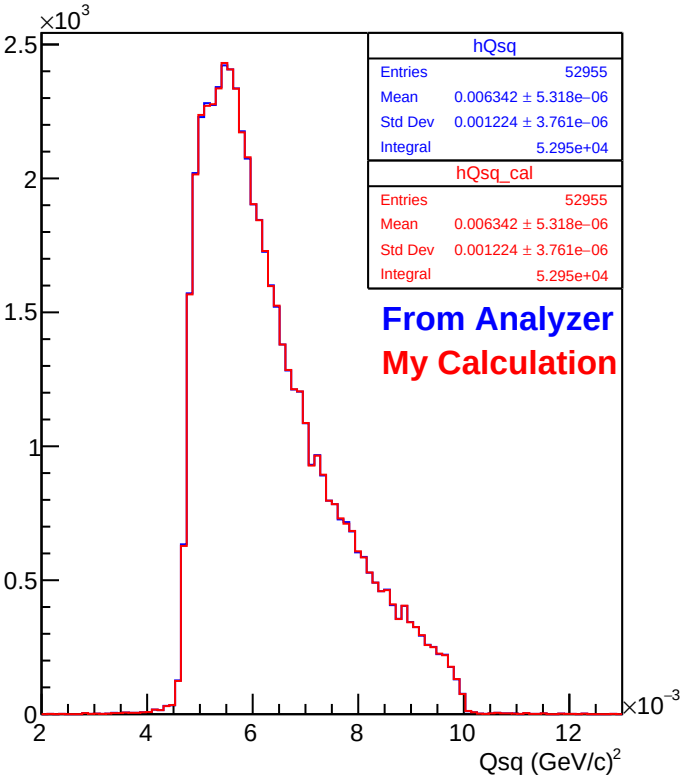

P.upQadcR
×10^3
Events/CH
70
60
50
40
30
20
10
0
460 480 500 520 540 560 580 600 620 640
ADC CH
huq
Entries 1561496
Mean 515.4 ± 0.02177
Std Dev 27.2 ± 0.01539
Integral 1.561e+06
χ² / ndf 175 / 10
Prob 2.578e−32
Constant 7.596e+04 ± 1.249e+02
Mean 490.1 ± 0.0
Sigma 4.034 ± 0.008
Pedeatal= 490.14
ADC_Cut = 510

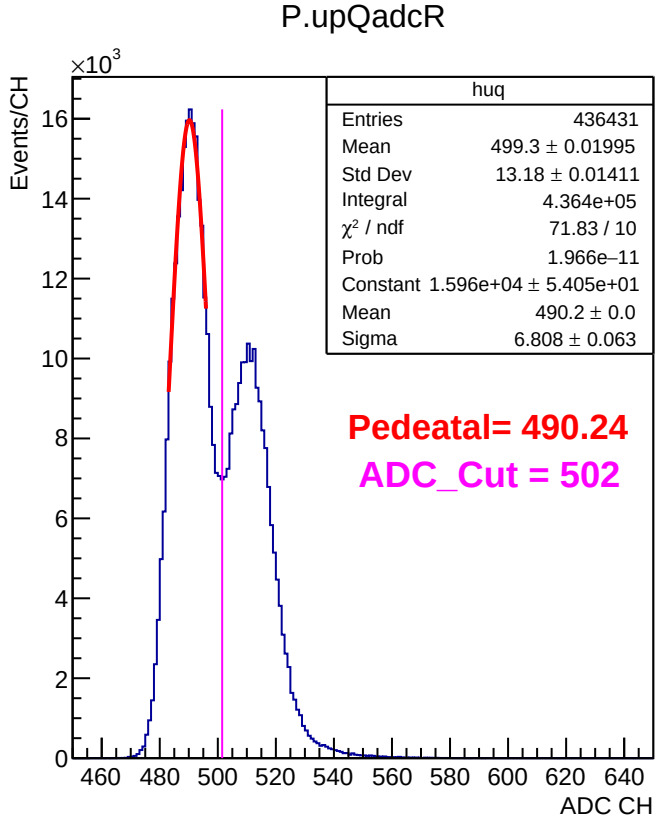

RHRS Qsq w/ T1 trigger (run21121,Pb2)
×10^3
30
25
20
15
10
5
0
2 4 6 8 10 12
×10^−3
Qsq (GeV/c)²
hQsq
Entries 697881
Mean 0.006348 ± 1.431e−06
Std Dev 0.001196 ± 1.012e−06
Integral 6.979e+05
hQsq_cal
Entries 697881
Mean 0.006348 ± 1.431e−06
Std Dev 0.001196 ± 1.012e−06
Integral 6.979e+05
From Analyzer
My Calculation

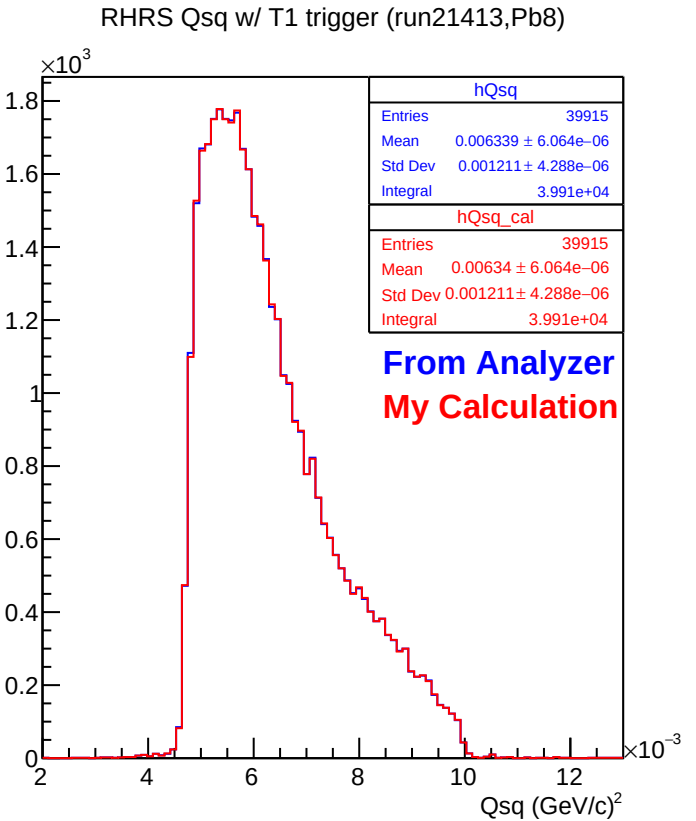

P.upQadcR
×10^3
Events/CH
25
20
15
10
5
0
460 480 500 520 540 560 580 600 620 640
ADC CH
huq
Entries 792867
Mean 501.5 ± 0.01544
Std Dev 13.75 ± 0.01092
Integral 7.928e+05
χ² / ndf 152.2 / 10
Prob 1.299e–27
Constant 2.505e+04 ± 6.774e+01
Mean 490.1 ± 0.0
Sigma 6.895 ± 0.052
Pedeatal= 490.13
ADC_Cut = 500

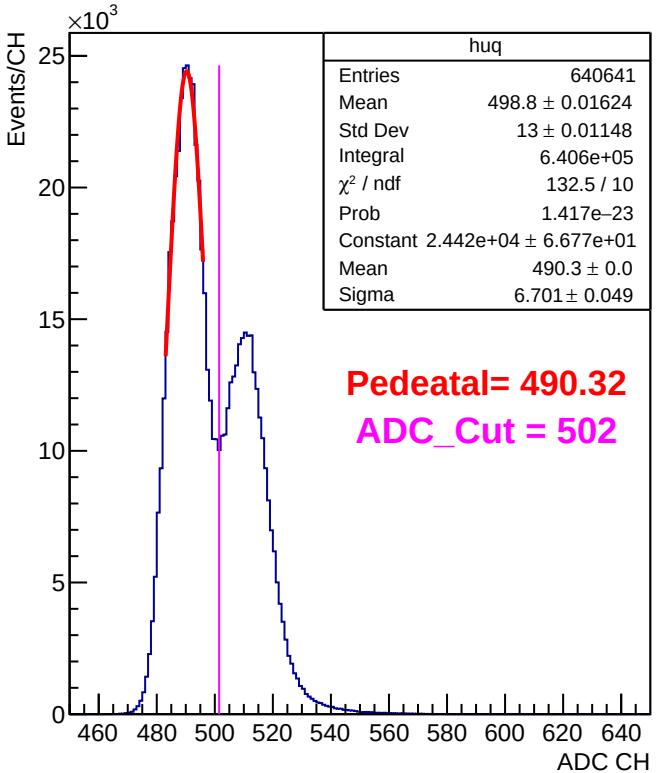

RHRS Qsq w/ T1 trigger (run21344,Pb7)
×10^3
5
4
3
2
1
0
2 4 6 8 10 12
×10^-3
Qsq (GeV/c)²
hQsq
Entries 109167
Mean 0.006341 ± 3.586e–06
Std Dev 0.001185 ± 2.536e–06
Integral 1.092e+05
hQsq_cal
Entries 109167
Mean 0.006342 ± 3.586e–06
Std Dev 0.001185 ± 2.536e–06
Integral 1.092e+05
From Analyzer
My Calculation

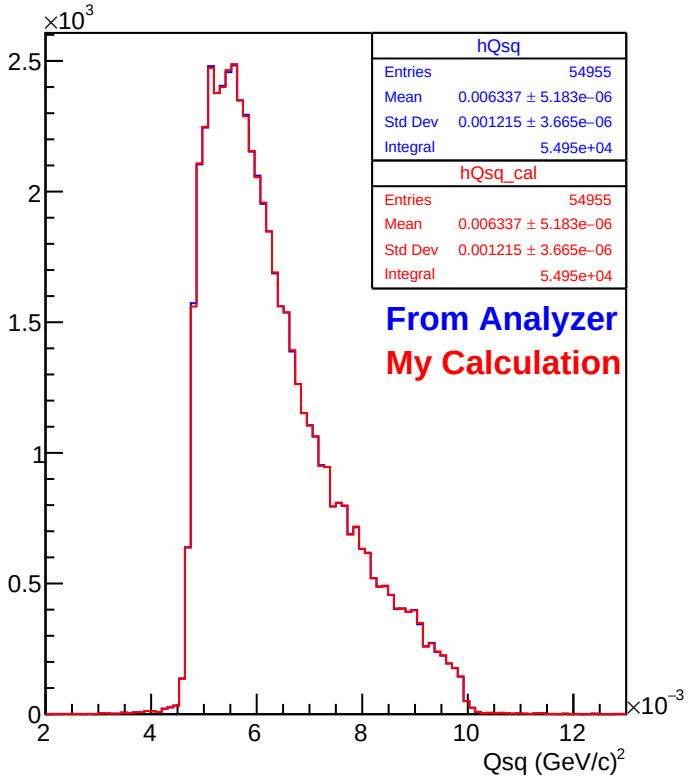

P.upQadcR
×10^3
Events/CH
ADC CH
huq
Entries 577553
Mean 499.7 ± 0.01737
Std Dev 13.2 ± 0.01228
Integral 5.775e+05
χ² / ndf 124.6 / 10
Prob 5.966e–22
Constant 2.028e+04 ± 6.011e+01
Mean 490.6 ± 0.0
Sigma 7.009 ± 0.060
Pedeatal= 490.57
ADC_Cut = 502


RHRS Qsq w/ T1 trigger (run21412,Pb7)
×10^3
×10^-3
Qsq (GeV/c)²
hQsq
Entries 52955
Mean 0.006342 ± 5.318e–06
Std Dev 0.001224 ± 3.761e–06
Integral 5.295e+04
hQsq_cal
Entries 52955
Mean 0.006342 ± 5.318e–06
Std Dev 0.001224 ± 3.761e–06
Integral 5.295e+04
From Analyzer
My Calculation


P.upQadcR
×10^3
Events/CH
ADC CH
huq
Entries 436431
Mean 499.3 ± 0.01995
Std Dev 13.18 ± 0.01411
Integral 4.364e+05
χ² / ndf 71.83 / 10
Prob 1.966e−11
Constant 1.596e+04 ± 5.405e+01
Mean 490.2 ± 0.0
Sigma 6.808 ± 0.063
Pedeatal= 490.24
ADC_Cut = 502


RHRS Qsq w/ T1 trigger (run21413,Pb8)
×10^3
×10^−3
Qsq (GeV/c)²
hQsq
Entries 39915
Mean 0.006339 ± 6.064e−06
Std Dev 0.001211 ± 4.288e−06
Integral 3.991e+04
hQsq_cal
Entries 39915
Mean 0.00634 ± 6.064e−06
Std Dev 0.001211 ± 4.288e−06
Integral 3.991e+04
From Analyzer
My Calculation


P.upQadcR
×10^3
Events/CH
25
20
15
10
5
0
460 480 500 520 540 560 580 600 620 640
ADC CH
huq
Entries 640641
Mean 498.8 ± 0.01624
Std Dev 13 ± 0.01148
Integral 6.406e+05
χ² / ndf 132.5 / 10
Prob 1.417e–23
Constant 2.442e+04 ± 6.677e+01
Mean 490.3 ± 0.0
Sigma 6.701 ± 0.049
Pedeatal= 490.32
ADC_Cut = 502


RHRS Qsq w/ T1 trigger (run21414,Pb9)
×10^3
2.5
2
1.5
1
0.5
0
2 4 6 8 10 12
×10^-3
Qsq (GeV/c)²
hQsq
Entries 54955
Mean 0.006337 ± 5.183e–06
Std Dev 0.001215 ± 3.665e–06
Integral 5.495e+04
hQsq_cal
Entries 54955
Mean 0.006337 ± 5.183e–06
Std Dev 0.001215 ± 3.665e–06
Integral 5.495e+04
From Analyzer
My Calculation