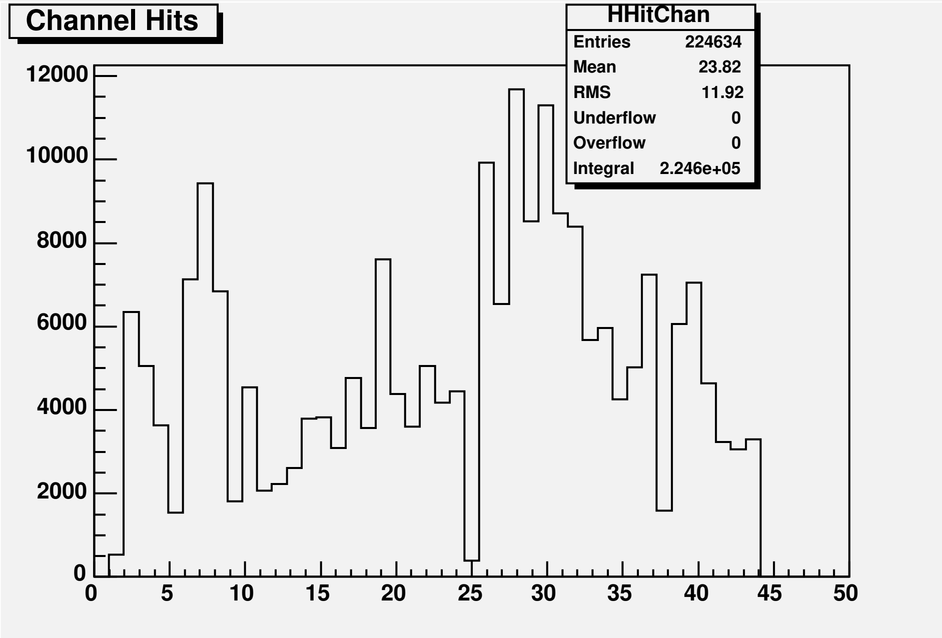
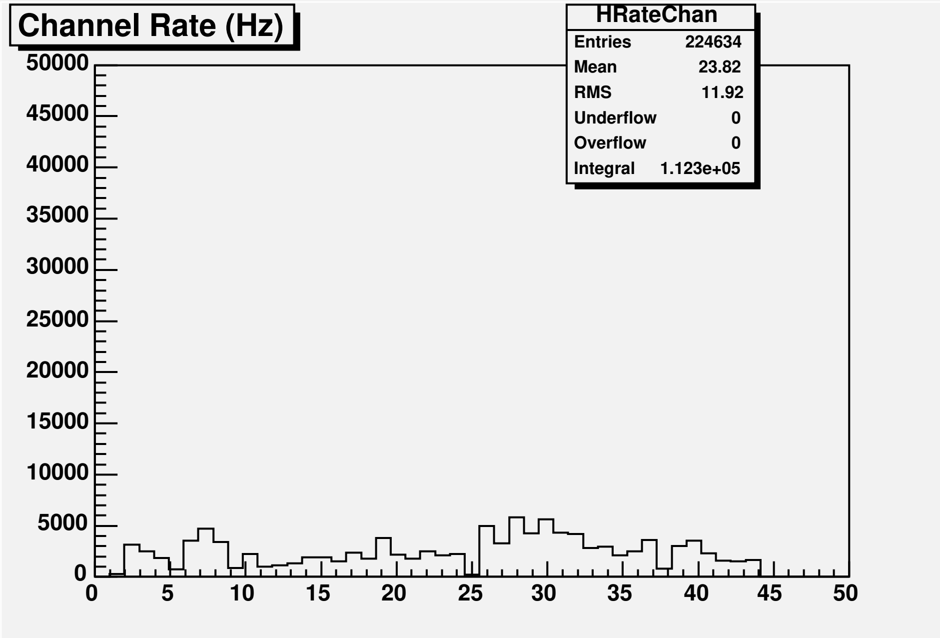
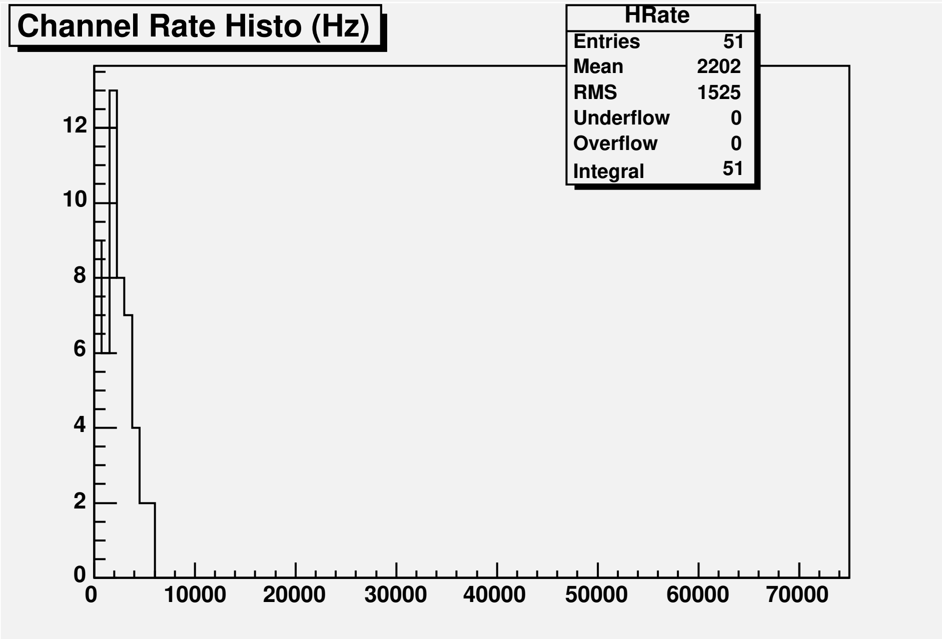
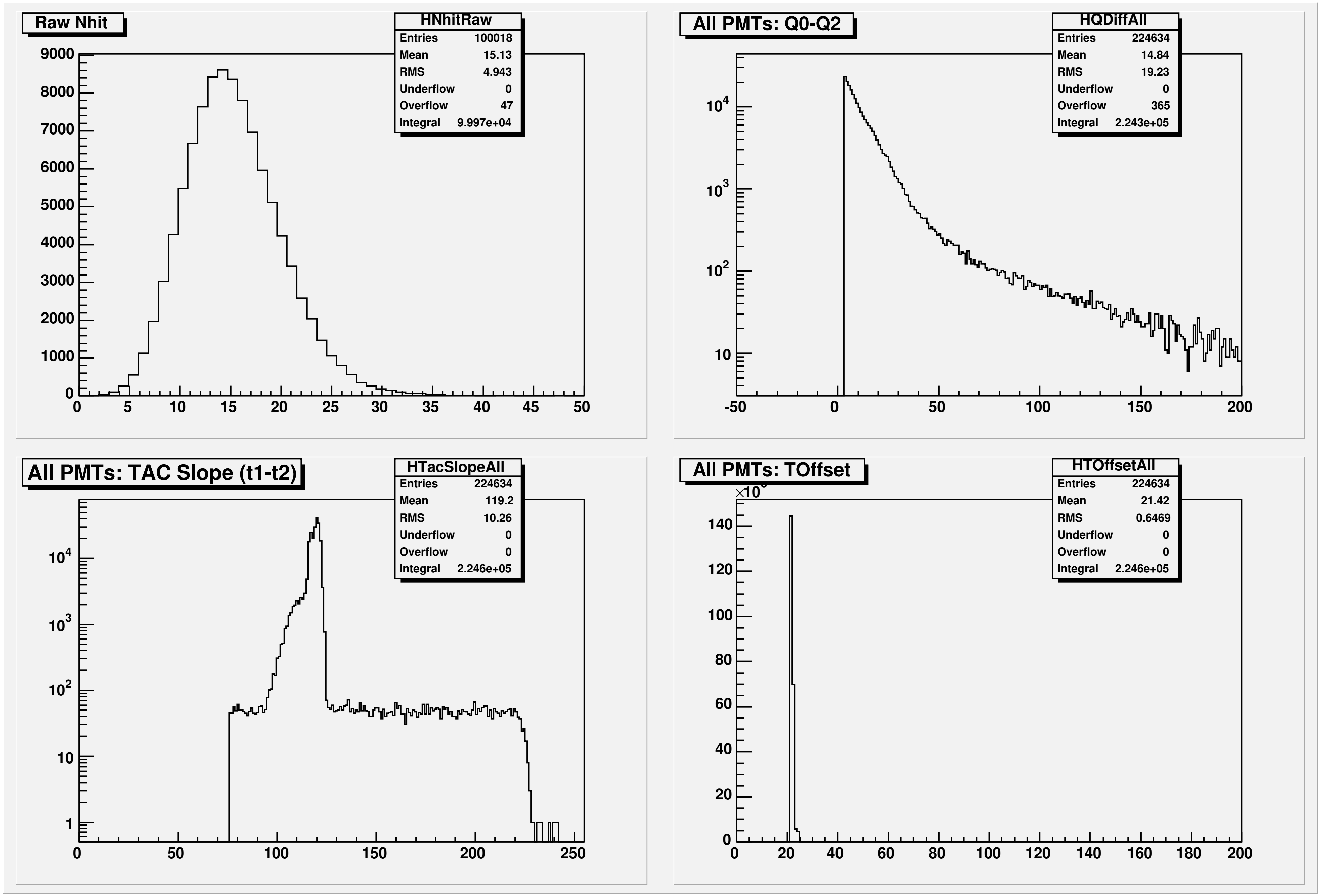
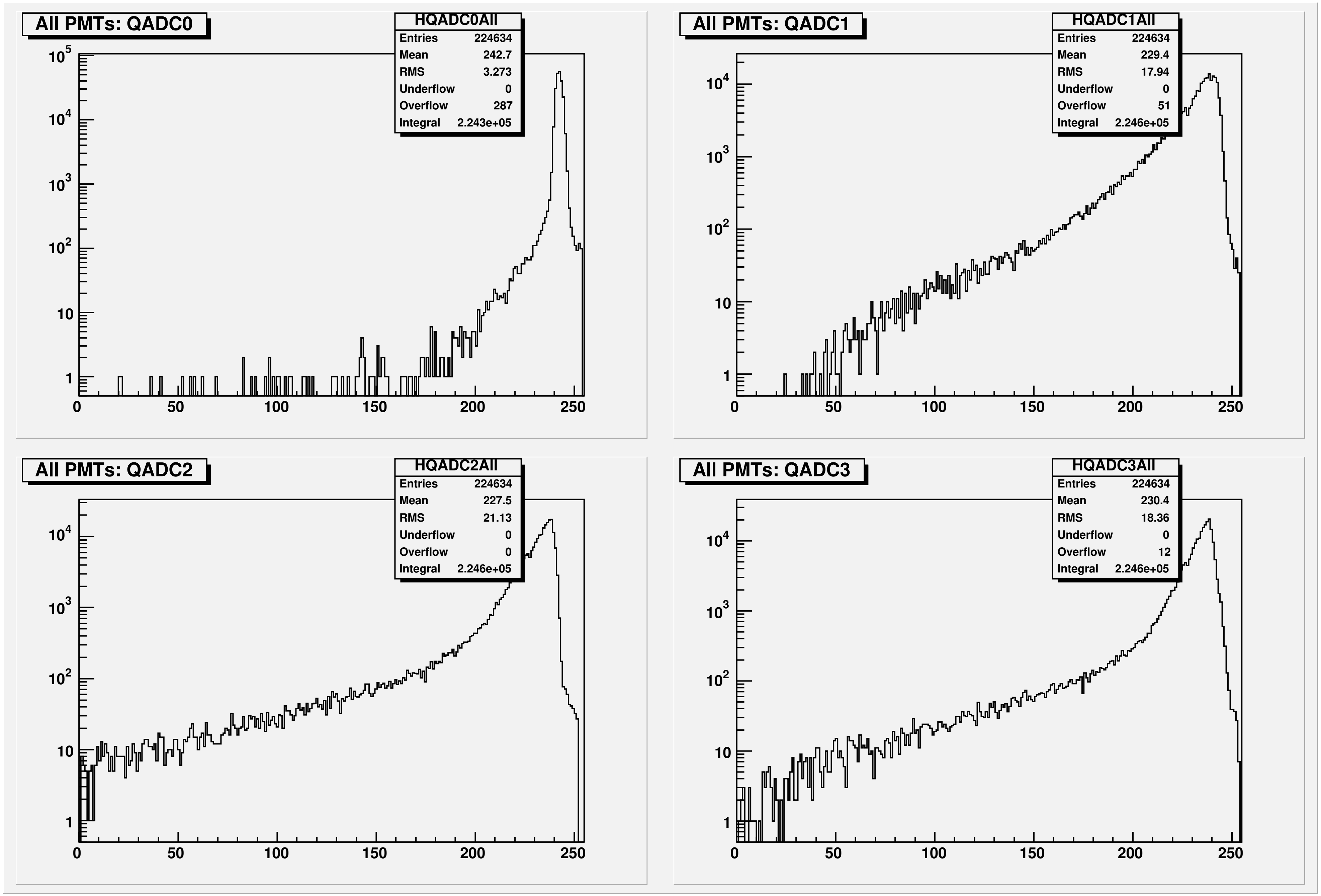
RUN: VlandUnCal Run11487 LEDTCut-QCut


Channel Hits
HHitChan
Entries 224634
Mean 23.82
RMS 11.92
Underflow 0
Overflow 0
Integral 2.246e+05
0
2000
4000
6000
8000
10000
12000
0 5 10 15 20 25 30 35 40 45 50

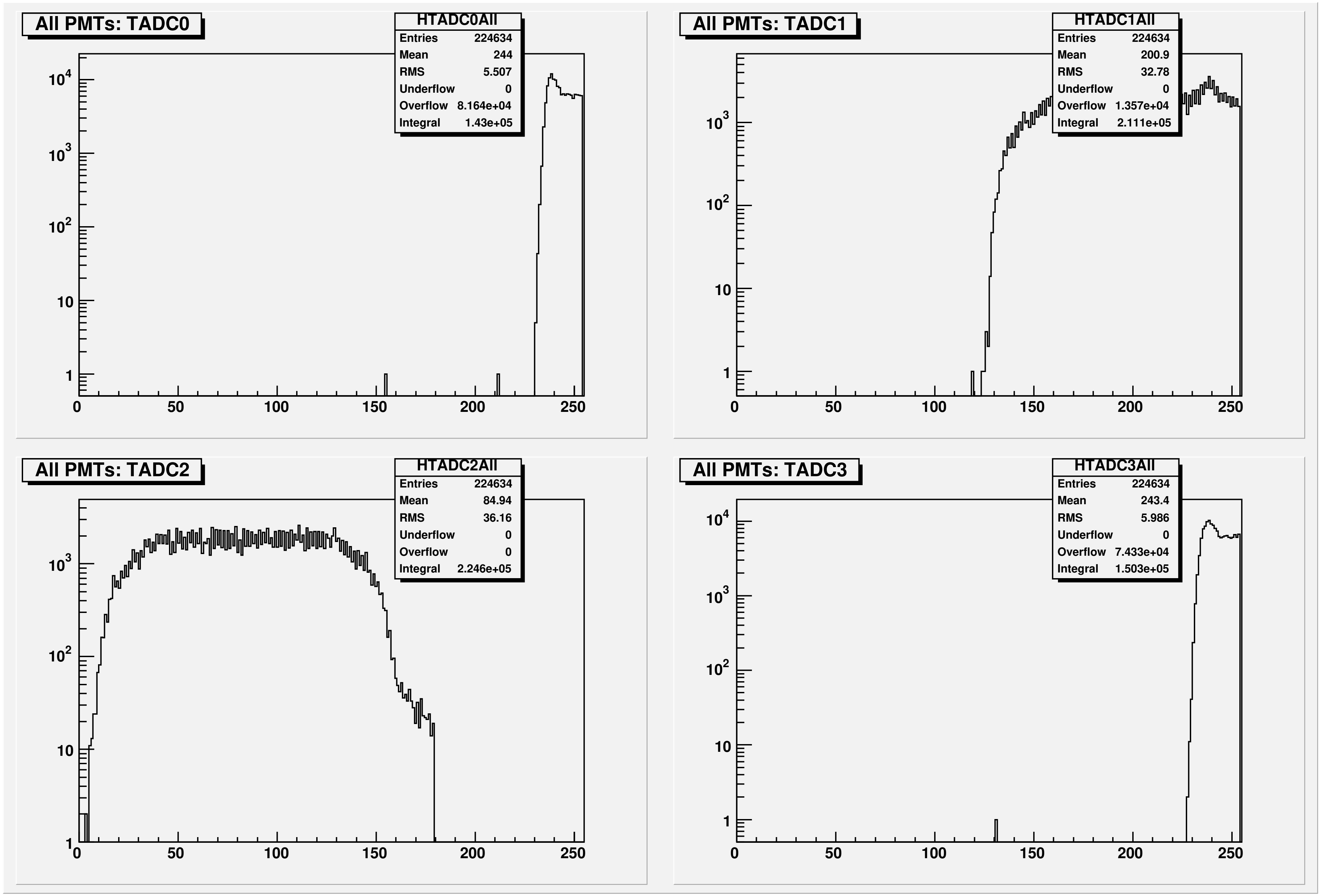

Channel Rate (Hz)
HRateChan
Entries 224634
Mean 23.82
RMS 11.92
Underflow 0
Overflow 0
Integral 1.123e+05
0
5000
10000
15000
20000
25000
30000
35000
40000
45000
50000
0 5 10 15 20 25 30 35 40 45 50


Channel Rate Histo (Hz)
HRate
Entries 51
Mean 2202
RMS 1525
Underflow 0
Overflow 0
Integral 51
0
2
4
6
8
10
12
0 10000 20000 30000 40000 50000 60000 70000

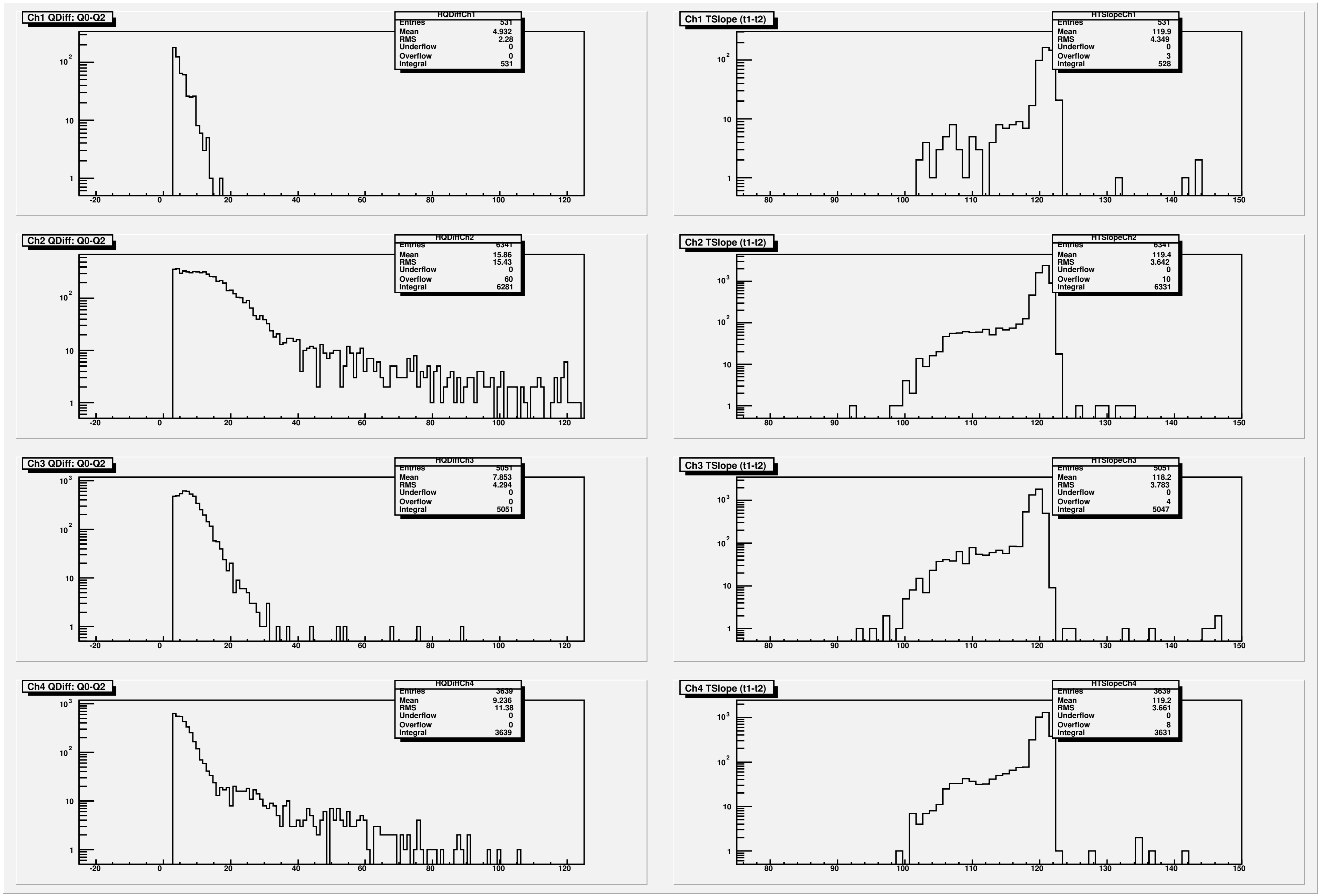

Raw Nhit
HNhitRaw
Entries 100018
Mean 15.13
RMS 4.943
Underflow 0
Overflow 47
Integral 9.997e+04
All PMTs: Q0-Q2
HQDiffAll
Entries 224634
Mean 14.84
RMS 19.23
Underflow 0
Overflow 365
Integral 2.243e+05
All PMTs: TAC Slope (t1-t2)
HTacSlopeAll
Entries 224634
Mean 119.2
RMS 10.26
Underflow 0
Overflow 0
Integral 2.246e+05
All PMTs: TOffset
HTOffsetAll
Entries 224634
Mean 21.42
RMS 0.6469
Underflow 0
Overflow 0
Integral 2.246e+05

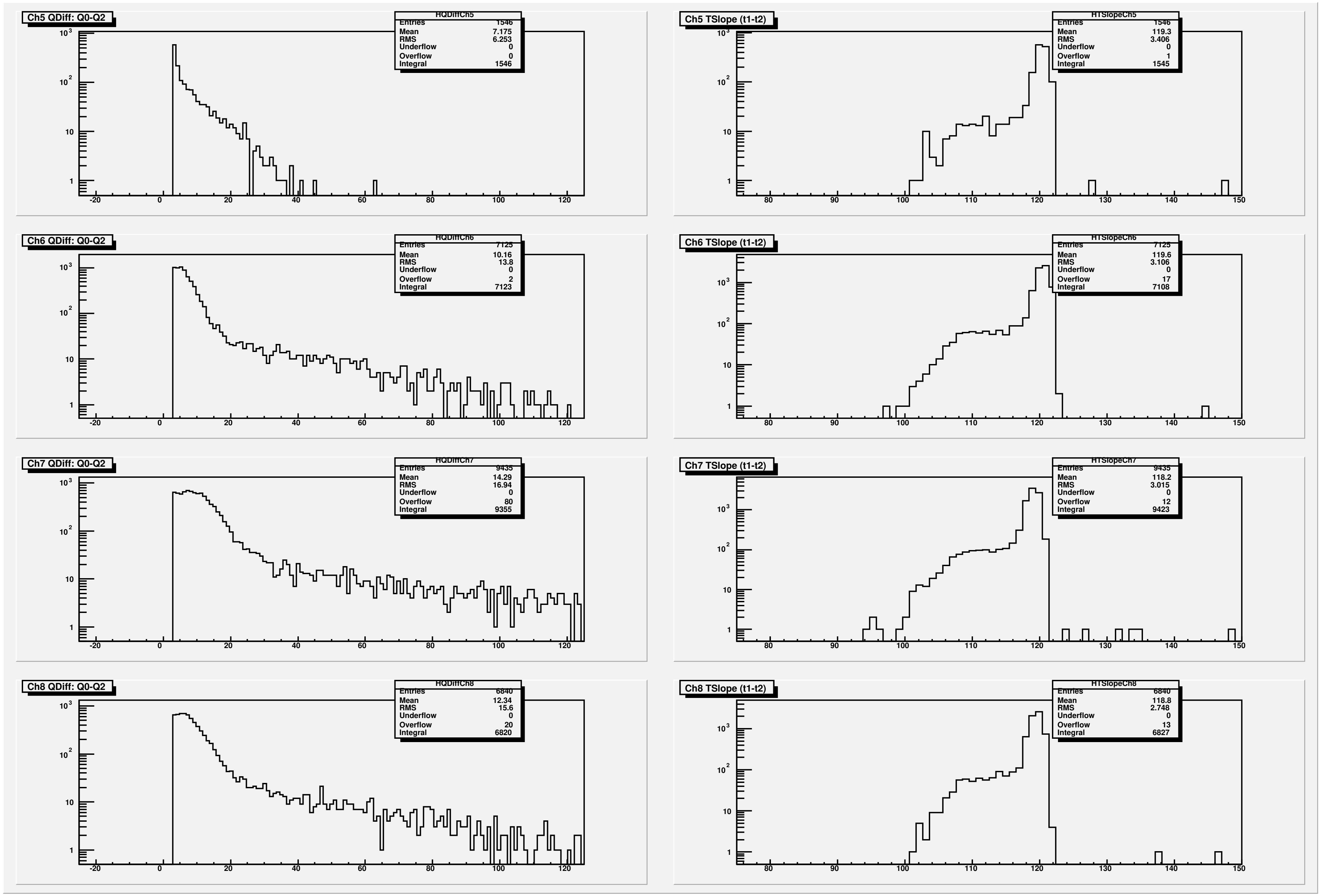


All PMTs: QADC0
HQADC0All
Entries 224634
Mean 242.7
RMS 3.273
Underflow 0
Overflow 287
Integral 2.243e+05
All PMTs: QADC1
HQADC1All
Entries 224634
Mean 229.4
RMS 17.94
Underflow 0
Overflow 51
Integral 2.246e+05
All PMTs: QADC2
HQADC2All
Entries 224634
Mean 227.5
RMS 21.13
Underflow 0
Overflow 0
Integral 2.246e+05
All PMTs: QADC3
HQADC3All
Entries 224634
Mean 230.4
RMS 18.36
Underflow 0
Overflow 12
Integral 2.246e+05

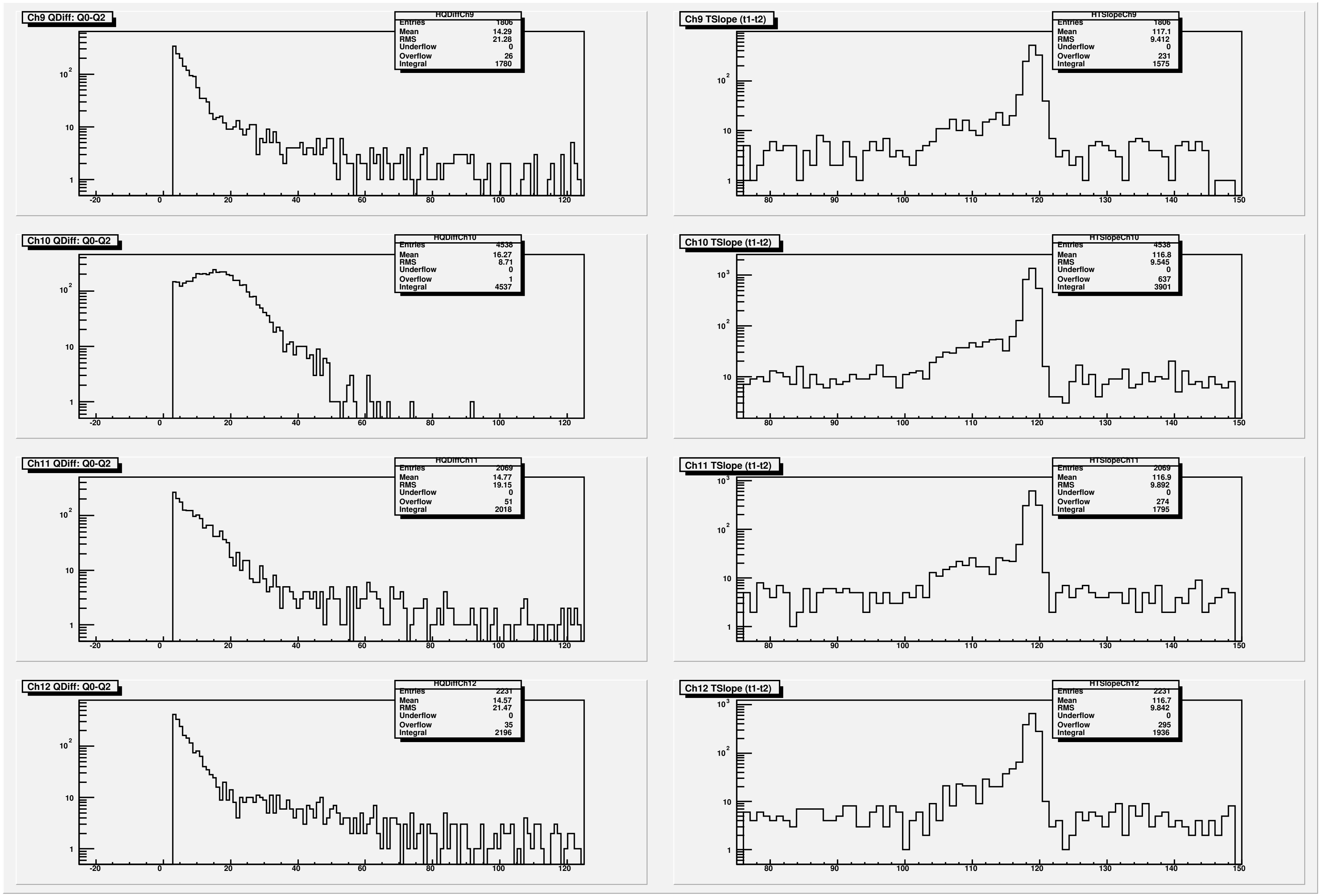


All PMTs: TADC0
HTADC0All
Entries 224634
Mean 244
RMS 5.507
Underflow 0
Overflow 8.164e+04
Integral 1.43e+05
All PMTs: TADC1
HTADC1All
Entries 224634
Mean 200.9
RMS 32.78
Underflow 0
Overflow 1.357e+04
Integral 2.111e+05
All PMTs: TADC2
HTADC2All
Entries 224634
Mean 84.94
RMS 36.16
Underflow 0
Overflow 0
Integral 2.246e+05
All PMTs: TADC3
HTADC3All
Entries 224634
Mean 243.4
RMS 5.986
Underflow 0
Overflow 7.433e+04
Integral 1.503e+05

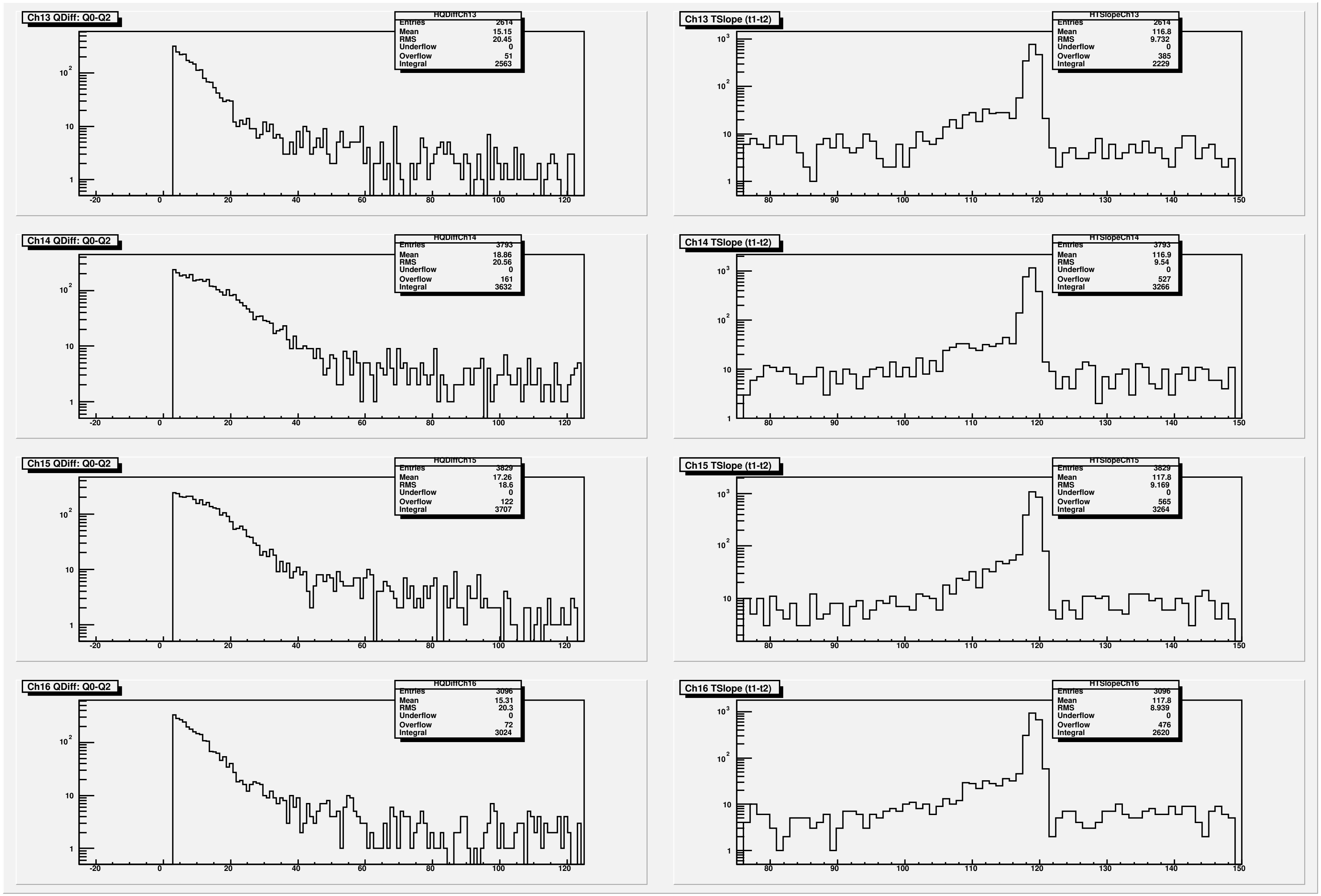

Ch1 QDiff: Q0-Q2
HQDiffCh1
Entries 531
Mean 4.932
RMS 2.28
Underflow 0
Overflow 0
Integral 531
Ch1 TSlope (t1-t2)
HTSlopeCh1
Entries 531
Mean 119.9
RMS 4.349
Underflow 0
Overflow 3
Integral 528
Ch2 QDiff: Q0-Q2
HQDiffCh2
Entries 6341
Mean 15.86
RMS 15.43
Underflow 0
Overflow 60
Integral 6281
Ch2 TSlope (t1-t2)
HTSlopeCh2
Entries 6341
Mean 119.4
RMS 3.642
Underflow 0
Overflow 10
Integral 6331
Ch3 QDiff: Q0-Q2
HQDiffCh3
Entries 5051
Mean 7.853
RMS 4.294
Underflow 0
Overflow 0
Integral 5051
Ch3 TSlope (t1-t2)
HTSlopeCh3
Entries 5051
Mean 118.2
RMS 3.783
Underflow 0
Overflow 4
Integral 5047
Ch4 QDiff: Q0-Q2
HQDiffCh4
Entries 3639
Mean 9.236
RMS 11.38
Underflow 0
Overflow 0
Integral 3639
Ch4 TSlope (t1-t2)
HTSlopeCh4
Entries 3639
Mean 119.2
RMS 3.661
Underflow 0
Overflow 8
Integral 3631

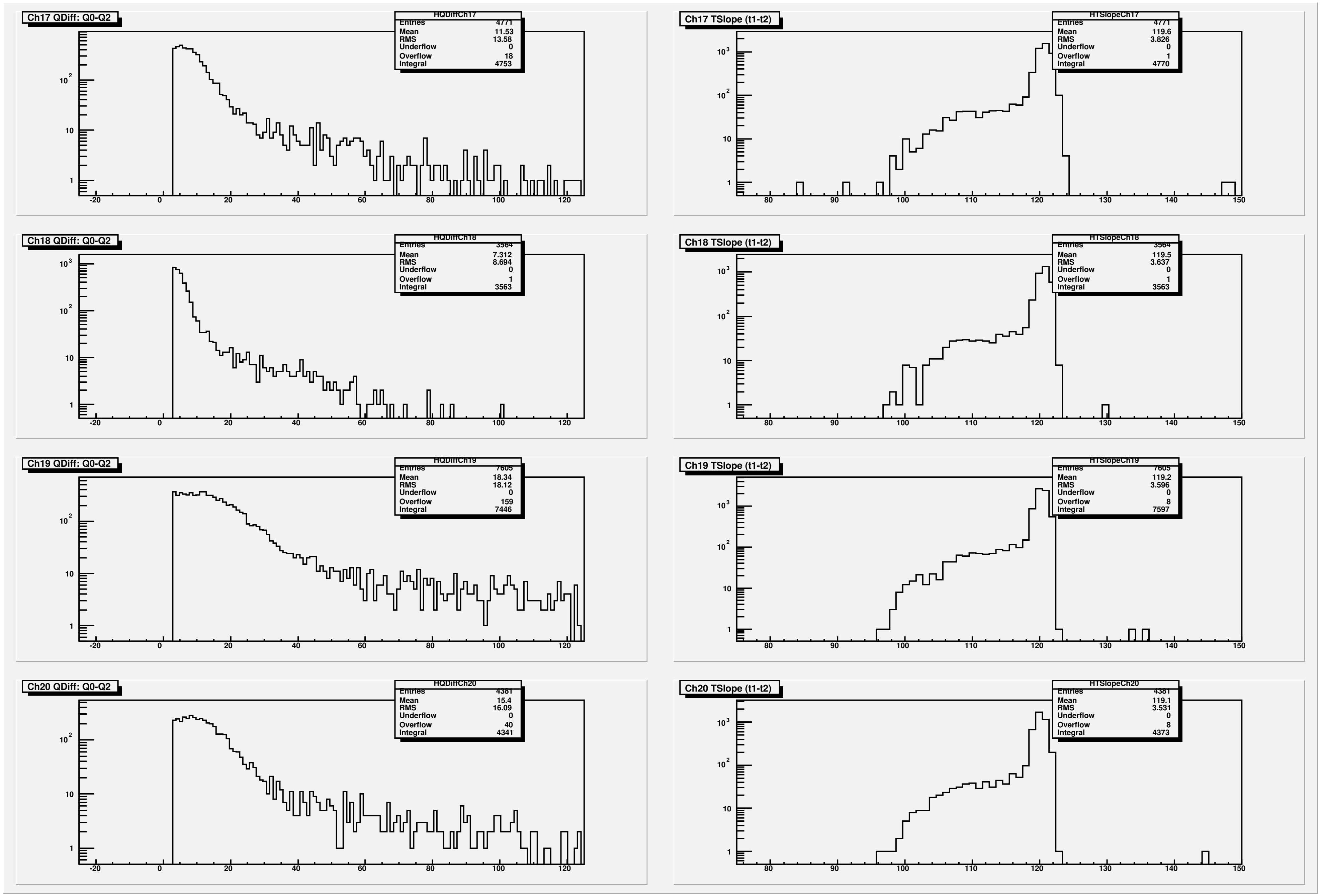


Ch5 QDiff: Q0-Q2
HQDiffCh5
Entries 1546
Mean 7.175
RMS 6.253
Underflow 0
Overflow 0
Integral 1546
Ch5 TSlope (t1-t2)
HTSlopeCh5
Entries 1546
Mean 119.3
RMS 3.406
Underflow 0
Overflow 1
Integral 1545
Ch6 QDiff: Q0-Q2
HQDiffCh6
Entries 7125
Mean 10.16
RMS 13.8
Underflow 0
Overflow 2
Integral 7123
Ch6 TSlope (t1-t2)
HTSlopeCh6
Entries 7125
Mean 119.6
RMS 3.106
Underflow 0
Overflow 17
Integral 7108
Ch7 QDiff: Q0-Q2
HQDiffCh7
Entries 9435
Mean 14.29
RMS 16.94
Underflow 0
Overflow 80
Integral 9355
Ch7 TSlope (t1-t2)
HTSlopeCh7
Entries 9435
Mean 118.2
RMS 3.015
Underflow 0
Overflow 12
Integral 9423
Ch8 QDiff: Q0-Q2
HQDiffCh8
Entries 6840
Mean 12.34
RMS 15.6
Underflow 0
Overflow 20
Integral 6820
Ch8 TSlope (t1-t2)
HTSlopeCh8
Entries 6840
Mean 118.8
RMS 2.748
Underflow 0
Overflow 13
Integral 6827

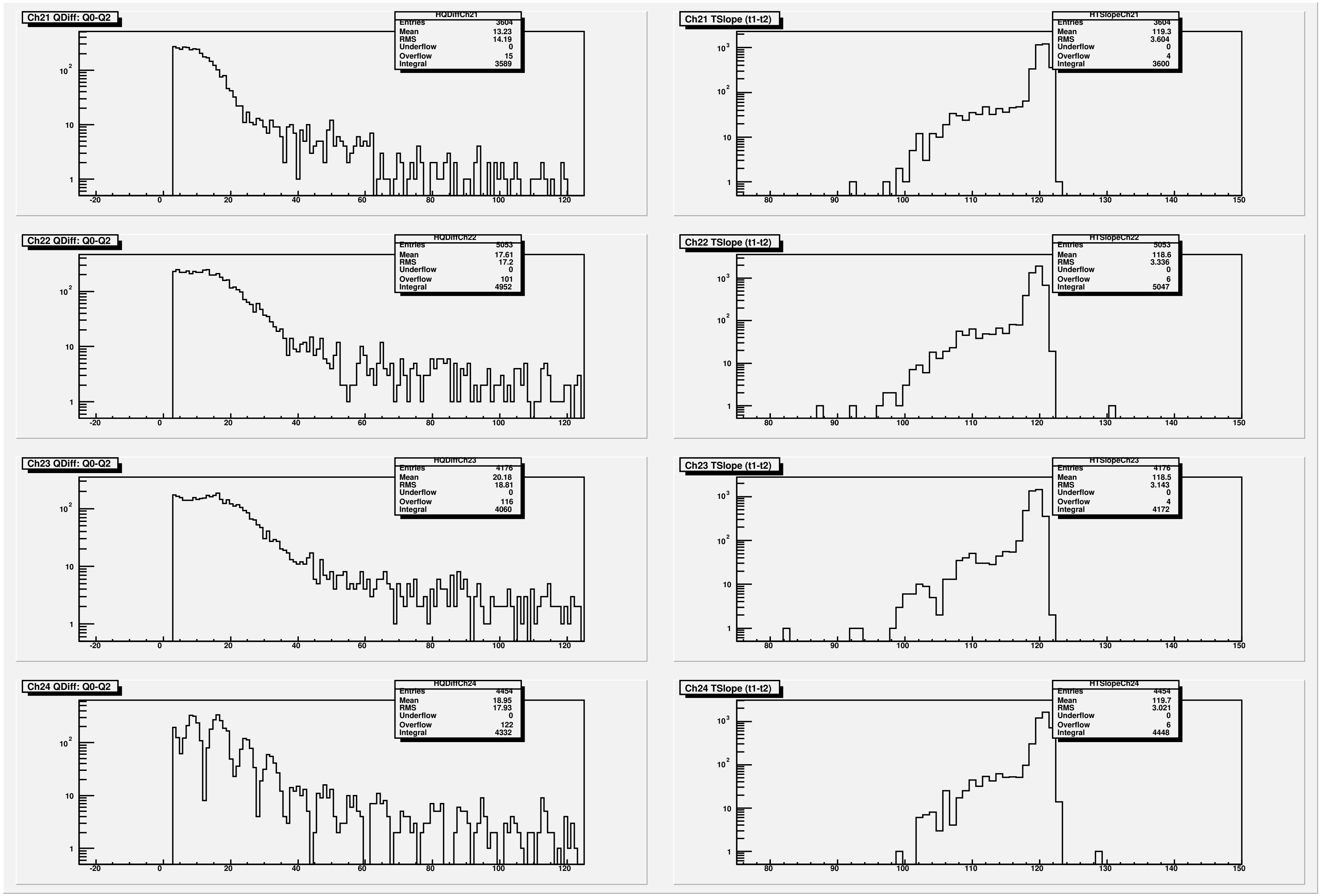


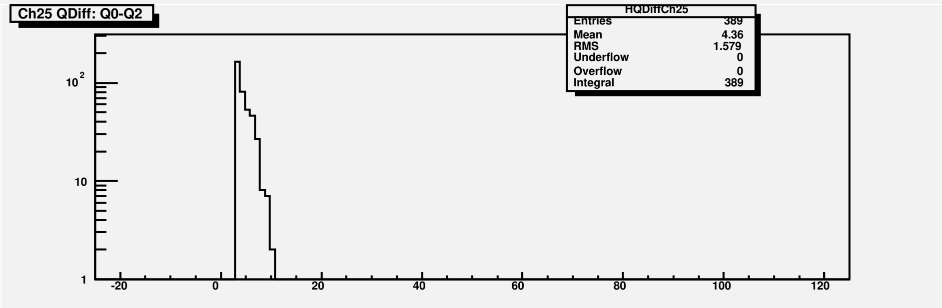
Ch9 QDiff: Q0-Q2
HQDiffCh9
Entries 1806
Mean 14.29
RMS 21.28
Underflow 0
Overflow 26
Integral 1780
Ch9 TSlope (t1-t2)
HTSlopeCh9
Entries 1806
Mean 117.1
RMS 9.412
Underflow 0
Overflow 231
Integral 1575
Ch10 QDiff: Q0-Q2
HQDiffCh10
Entries 4538
Mean 16.27
RMS 8.71
Underflow 0
Overflow 1
Integral 4537
Ch10 TSlope (t1-t2)
HTSlopeCh10
Entries 4538
Mean 116.8
RMS 9.545
Underflow 0
Overflow 637
Integral 3901
Ch11 QDiff: Q0-Q2
HQDiffCh11
Entries 2069
Mean 14.77
RMS 19.15
Underflow 0
Overflow 51
Integral 2018
Ch11 TSlope (t1-t2)
HTSlopeCh11
Entries 2069
Mean 116.9
RMS 9.892
Underflow 0
Overflow 274
Integral 1795
Ch12 QDiff: Q0-Q2
HQDiffCh12
Entries 2231
Mean 14.57
RMS 21.47
Underflow 0
Overflow 35
Integral 2196
Ch12 TSlope (t1-t2)
HTSlopeCh12
Entries 2231
Mean 116.7
RMS 9.842
Underflow 0
Overflow 295
Integral 1936

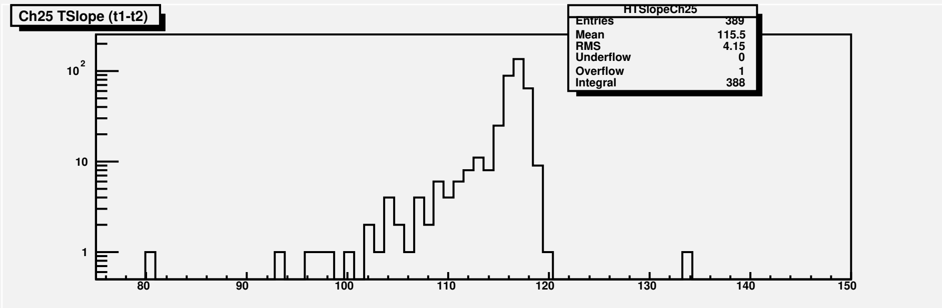

Ch13 QDiff: Q0-Q2
HQDiffCh13
Entries 2614
Mean 15.15
RMS 20.45
Underflow 0
Overflow 51
Integral 2563
Ch13 TSlope (t1-t2)
HTSlopeCh13
Entries 2614
Mean 116.8
RMS 9.732
Underflow 0
Overflow 385
Integral 2229
Ch14 QDiff: Q0-Q2
HQDiffCh14
Entries 3793
Mean 18.86
RMS 20.56
Underflow 0
Overflow 161
Integral 3632
Ch14 TSlope (t1-t2)
HTSlopeCh14
Entries 3793
Mean 116.9
RMS 9.54
Underflow 0
Overflow 527
Integral 3266
Ch15 QDiff: Q0-Q2
HQDiffCh15
Entries 3829
Mean 17.26
RMS 18.6
Underflow 0
Overflow 122
Integral 3707
Ch15 TSlope (t1-t2)
HTSlopeCh15
Entries 3829
Mean 117.8
RMS 9.169
Underflow 0
Overflow 565
Integral 3264
Ch16 QDiff: Q0-Q2
HQDiffCh16
Entries 3096
Mean 15.31
RMS 20.3
Underflow 0
Overflow 72
Integral 3024
Ch16 TSlope (t1-t2)
HTSlopeCh16
Entries 3096
Mean 117.8
RMS 8.939
Underflow 0
Overflow 476
Integral 2620

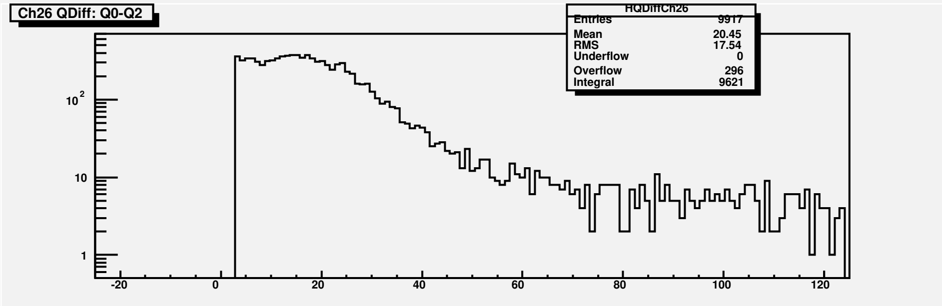


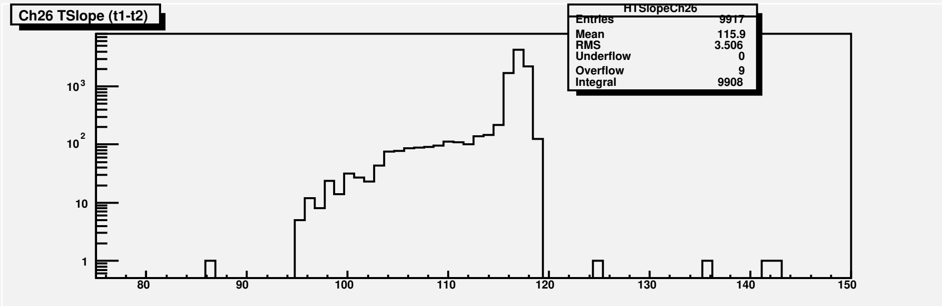
Ch17 QDiff: Q0-Q2
HQDiffCh17
Entries 4771
Mean 11.53
RMS 13.58
Underflow 0
Overflow 18
Integral 4753
Ch17 TSlope (t1-t2)
HTSlopeCh17
Entries 4771
Mean 119.6
RMS 3.826
Underflow 0
Overflow 1
Integral 4770
Ch18 QDiff: Q0-Q2
HQDiffCh18
Entries 3564
Mean 7.312
RMS 8.694
Underflow 0
Overflow 1
Integral 3563
Ch18 TSlope (t1-t2)
HTSlopeCh18
Entries 3564
Mean 119.5
RMS 3.637
Underflow 0
Overflow 1
Integral 3563
Ch19 QDiff: Q0-Q2
HQDiffCh19
Entries 7605
Mean 18.34
RMS 18.12
Underflow 0
Overflow 159
Integral 7446
Ch19 TSlope (t1-t2)
HTSlopeCh19
Entries 7605
Mean 119.2
RMS 3.596
Underflow 0
Overflow 8
Integral 7597
Ch20 QDiff: Q0-Q2
HQDiffCh20
Entries 4381
Mean 15.4
RMS 16.09
Underflow 0
Overflow 40
Integral 4341
Ch20 TSlope (t1-t2)
HTSlopeCh20
Entries 4381
Mean 119.1
RMS 3.531
Underflow 0
Overflow 8
Integral 4373

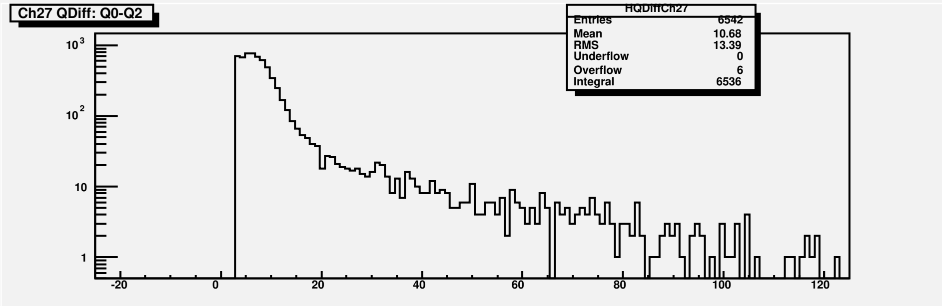

Ch21 QDiff: Q0-Q2
HQDiffCh21
Entries 3604
Mean 13.23
RMS 14.19
Underflow 0
Overflow 15
Integral 3589
Ch21 TSlope (t1-t2)
HTSlopeCh21
Entries 3604
Mean 119.3
RMS 3.604
Underflow 0
Overflow 4
Integral 3600
Ch22 QDiff: Q0-Q2
HQDiffCh22
Entries 5053
Mean 17.61
RMS 17.2
Underflow 0
Overflow 101
Integral 4952
Ch22 TSlope (t1-t2)
HTSlopeCh22
Entries 5053
Mean 118.6
RMS 3.336
Underflow 0
Overflow 6
Integral 5047
Ch23 QDiff: Q0-Q2
HQDiffCh23
Entries 4176
Mean 20.18
RMS 18.81
Underflow 0
Overflow 116
Integral 4060
Ch23 TSlope (t1-t2)
HTSlopeCh23
Entries 4176
Mean 118.5
RMS 3.143
Underflow 0
Overflow 4
Integral 4172
Ch24 QDiff: Q0-Q2
HQDiffCh24
Entries 4454
Mean 18.95
RMS 17.93
Underflow 0
Overflow 122
Integral 4332
Ch24 TSlope (t1-t2)
HTSlopeCh24
Entries 4454
Mean 119.7
RMS 3.021
Underflow 0
Overflow 6
Integral 4448
-20 0 20 40 60 80 100 120
80 90 100 110 120 130 140 150
1 10 10^2 10^3

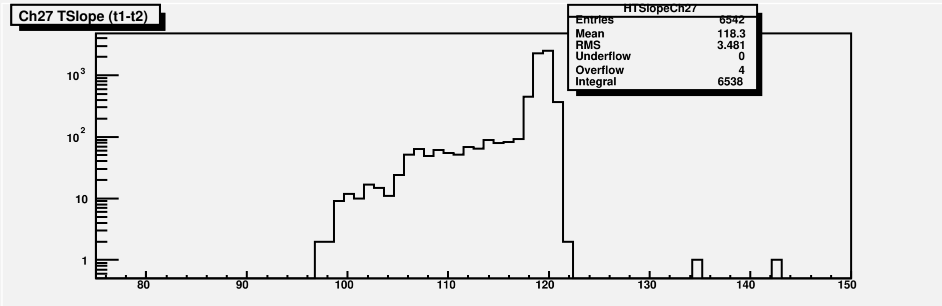

Ch25 QDiff: Q0-Q2
HQDiffCh25
Entries 389
Mean 4.36
RMS 1.579
Underflow 0
Overflow 0
Integral 389

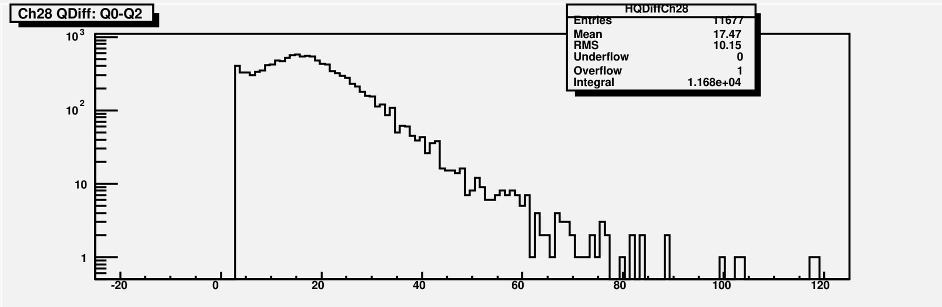

Ch25 TSlope (t1-t2)
HTSlopeCh25
Entries 389
Mean 115.5
RMS 4.15
Underflow 0
Overflow 1
Integral 388

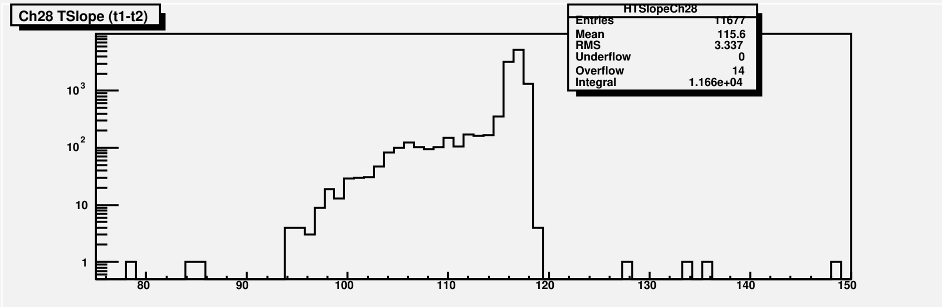

Ch26 QDiff: Q0-Q2
HQDiffCh26
Entries 9917
Mean 20.45
RMS 17.54
Underflow 0
Overflow 296
Integral 9621

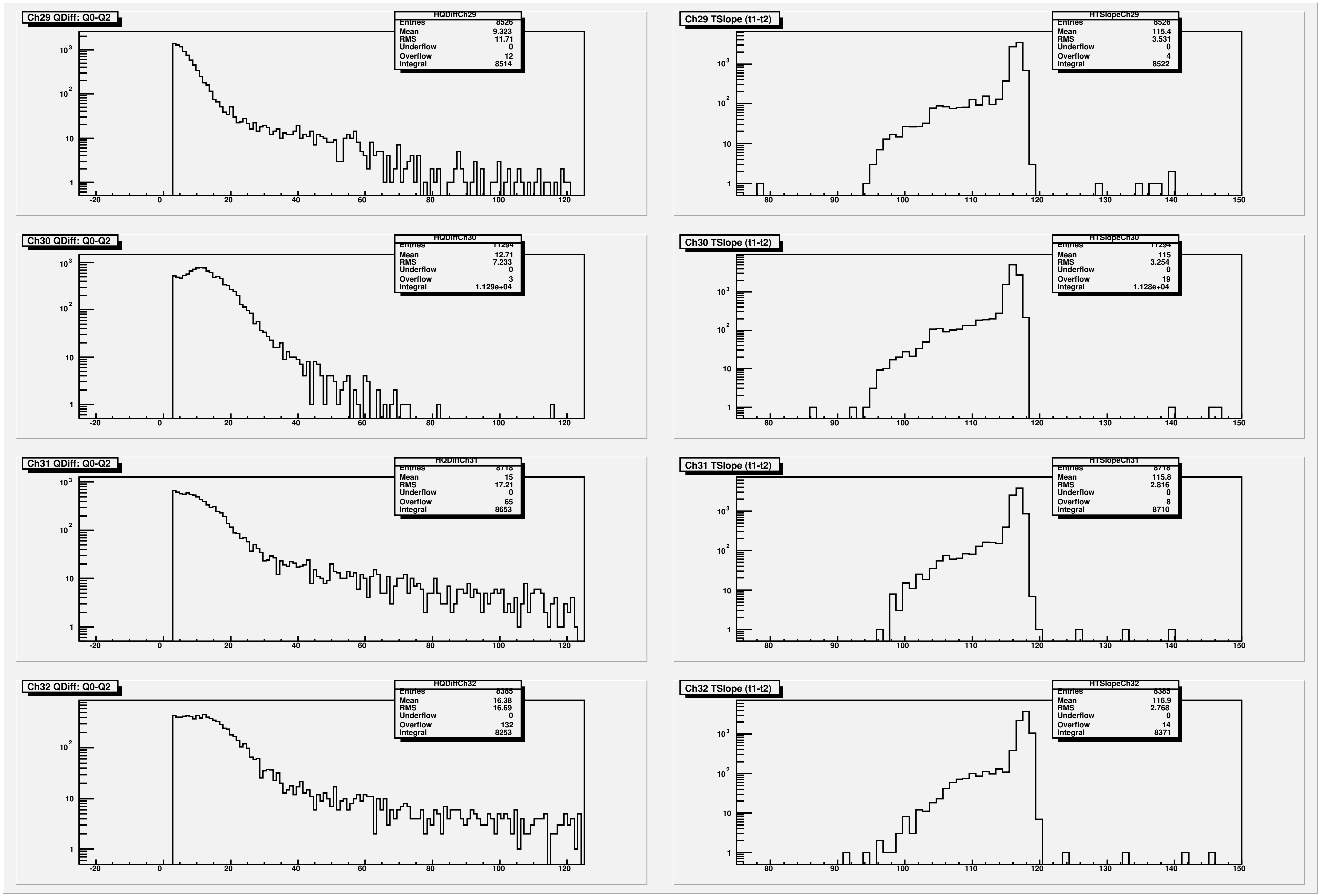

Ch26 TSlope (t1-t2)
HTSlopeCh26
Entries 9917
Mean 115.9
RMS 3.506
Underflow 0
Overflow 9
Integral 9908

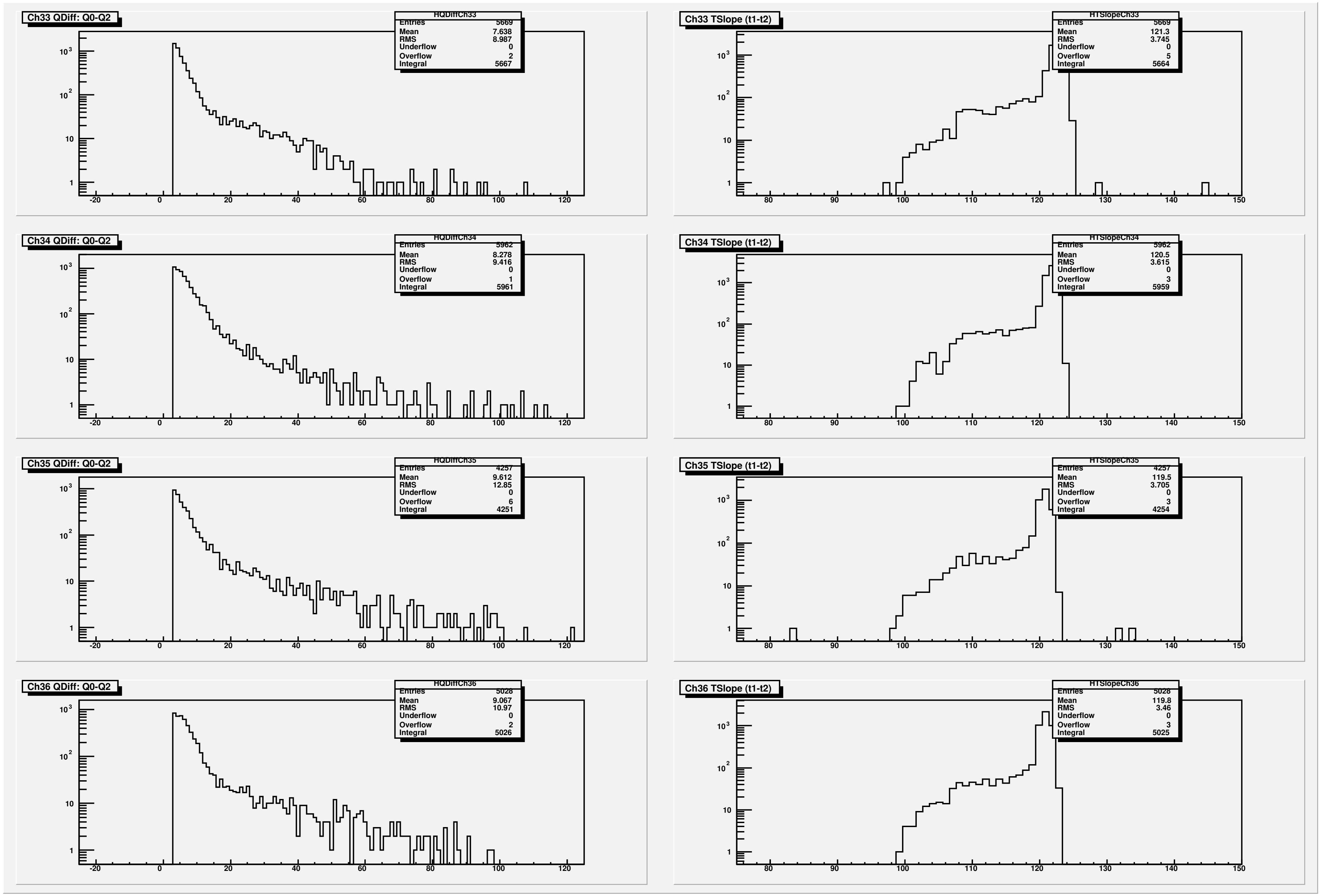

Ch27 QDiff: Q0-Q2
HQDiffCh27
Entries 6542
Mean 10.68
RMS 13.39
Underflow 0
Overflow 6
Integral 6536


Ch27 TSlope (t1-t2)
HTSlopeCh27
Entries 6542
Mean 118.3
RMS 3.481
Underflow 0
Overflow 4
Integral 6538

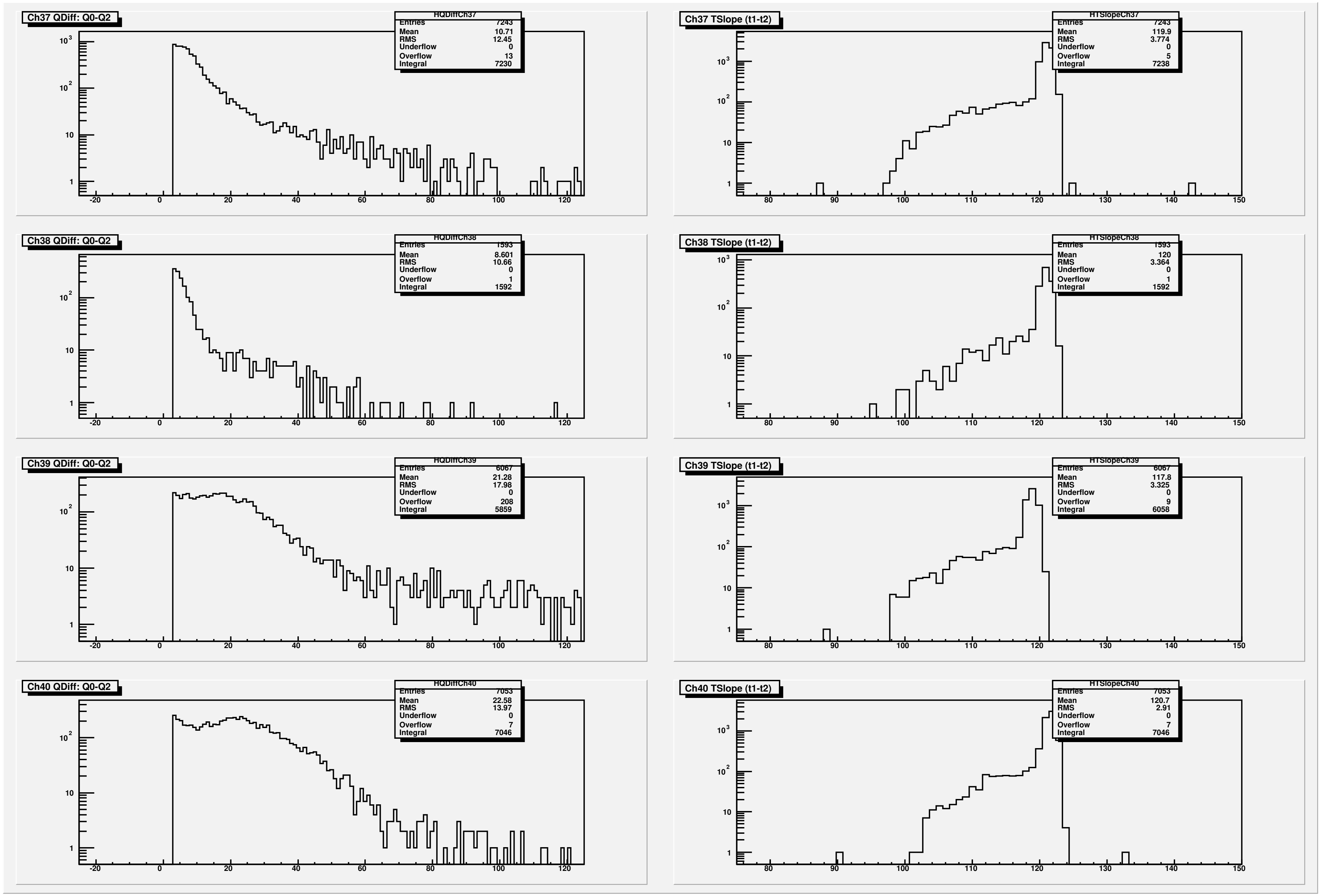

Ch28 QDiff: Q0-Q2
HQDiffCh28
Entries 11677
Mean 17.47
RMS 10.15
Underflow 0
Overflow 1
Integral 1.168e+04

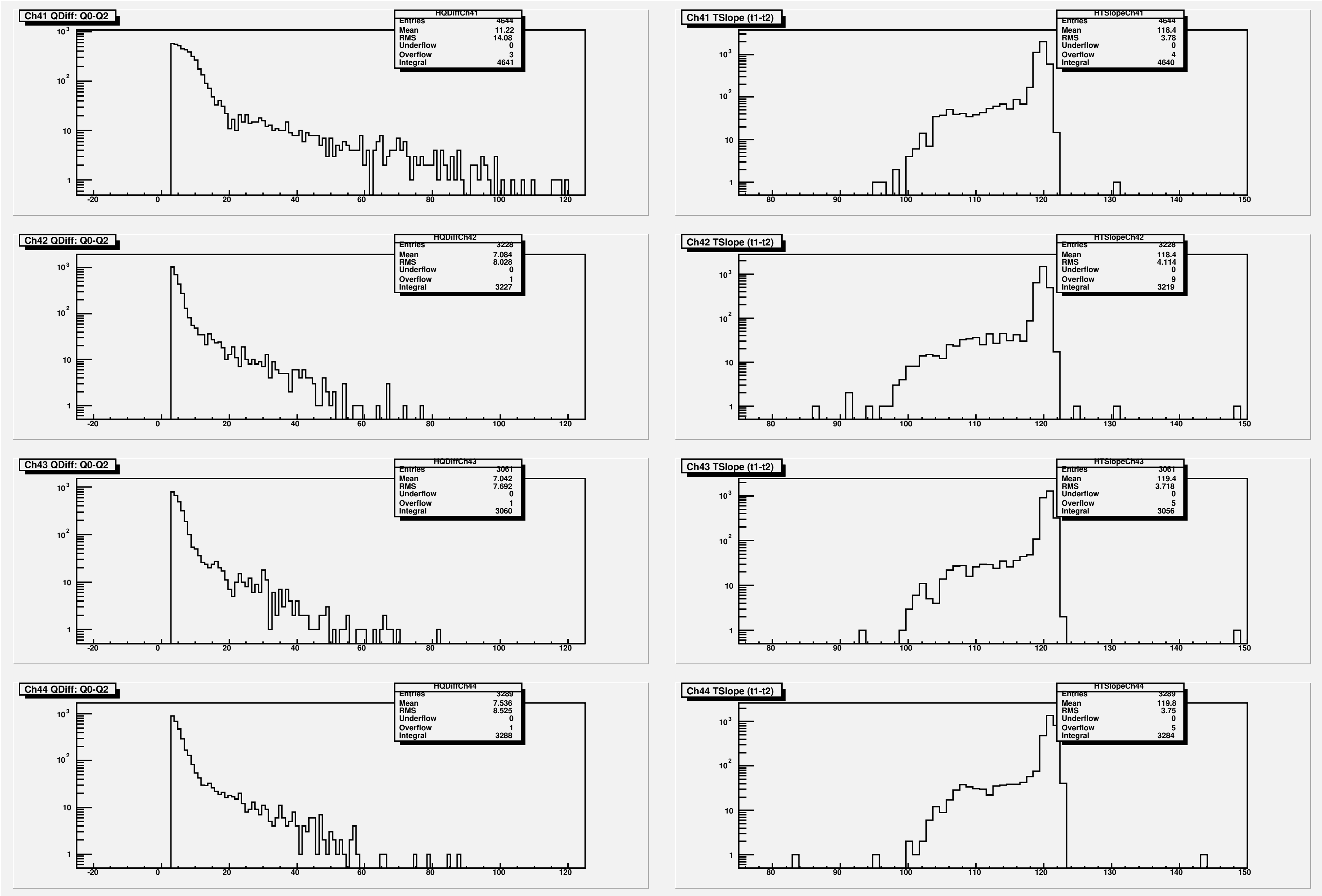

Ch28 TSlope (t1-t2)
HTSlopeCh28
Entries 11677
Mean 115.6
RMS 3.337
Underflow 0
Overflow 14
Integral 1.166e+04


Ch29 QDiff: Q0-Q2
HQDiffCh29
Entries 8526
Mean 9.323
RMS 11.71
Underflow 0
Overflow 12
Integral 8514
Ch29 TSlope (t1-t2)
HTSlopeCh29
Entries 8526
Mean 115.4
RMS 3.531
Underflow 0
Overflow 4
Integral 8522
Ch30 QDiff: Q0-Q2
HQDiffCh30
Entries 11294
Mean 12.71
RMS 7.233
Underflow 0
Overflow 3
Integral 1.129e+04
Ch30 TSlope (t1-t2)
HTSlopeCh30
Entries 11294
Mean 115
RMS 3.254
Underflow 0
Overflow 19
Integral 1.128e+04
Ch31 QDiff: Q0-Q2
HQDiffCh31
Entries 8718
Mean 15
RMS 17.21
Underflow 0
Overflow 65
Integral 8653
Ch31 TSlope (t1-t2)
HTSlopeCh31
Entries 8718
Mean 115.8
RMS 2.816
Underflow 0
Overflow 8
Integral 8710
Ch32 QDiff: Q0-Q2
HQDiffCh32
Entries 8385
Mean 16.38
RMS 16.69
Underflow 0
Overflow 132
Integral 8253
Ch32 TSlope (t1-t2)
HTSlopeCh32
Entries 8385
Mean 116.9
RMS 2.768
Underflow 0
Overflow 14
Integral 8371



Ch33 QDiff: Q0-Q2
HQDiffCh33
Entries 5669
Mean 7.638
RMS 8.987
Underflow 0
Overflow 2
Integral 5667
Ch33 TSlope (t1-t2)
HTSlopeCh33
Entries 5669
Mean 121.3
RMS 3.745
Underflow 0
Overflow 5
Integral 5664
Ch34 QDiff: Q0-Q2
HQDiffCh34
Entries 5962
Mean 8.278
RMS 9.416
Underflow 0
Overflow 1
Integral 5961
Ch34 TSlope (t1-t2)
HTSlopeCh34
Entries 5962
Mean 120.5
RMS 3.615
Underflow 0
Overflow 3
Integral 5959
Ch35 QDiff: Q0-Q2
HQDiffCh35
Entries 4257
Mean 9.612
RMS 12.85
Underflow 0
Overflow 6
Integral 4251
Ch35 TSlope (t1-t2)
HTSlopeCh35
Entries 4257
Mean 119.5
RMS 3.705
Underflow 0
Overflow 3
Integral 4254
Ch36 QDiff: Q0-Q2
HQDiffCh36
Entries 5028
Mean 9.067
RMS 10.97
Underflow 0
Overflow 2
Integral 5026
Ch36 TSlope (t1-t2)
HTSlopeCh36
Entries 5028
Mean 119.8
RMS 3.46
Underflow 0
Overflow 3
Integral 5025


Ch37 QDiff: Q0-Q2
HQDiffCh37
Entries 7243
Mean 10.71
RMS 12.45
Underflow 0
Overflow 13
Integral 7230
Ch37 TSlope (t1-t2)
HTSlopeCh37
Entries 7243
Mean 119.9
RMS 3.774
Underflow 0
Overflow 5
Integral 7238
Ch38 QDiff: Q0-Q2
HQDiffCh38
Entries 1593
Mean 8.601
RMS 10.66
Underflow 0
Overflow 1
Integral 1592
Ch38 TSlope (t1-t2)
HTSlopeCh38
Entries 1593
Mean 120
RMS 3.364
Underflow 0
Overflow 1
Integral 1592
Ch39 QDiff: Q0-Q2
HQDiffCh39
Entries 6067
Mean 21.28
RMS 17.98
Underflow 0
Overflow 208
Integral 5859
Ch39 TSlope (t1-t2)
HTSlopeCh39
Entries 6067
Mean 117.8
RMS 3.325
Underflow 0
Overflow 9
Integral 6058
Ch40 QDiff: Q0-Q2
HQDiffCh40
Entries 7053
Mean 22.58
RMS 13.97
Underflow 0
Overflow 7
Integral 7046
Ch40 TSlope (t1-t2)
HTSlopeCh40
Entries 7053
Mean 120.7
RMS 2.91
Underflow 0
Overflow 7
Integral 7046



Ch41 QDiff: Q0-Q2
HQDiffCh41
Entries 4644
Mean 11.22
RMS 14.08
Underflow 0
Overflow 3
Integral 4641
Ch41 TSlope (t1-t2)
HTSlopeCh41
Entries 4644
Mean 118.4
RMS 3.78
Underflow 0
Overflow 4
Integral 4640
Ch42 QDiff: Q0-Q2
HQDiffCh42
Entries 3228
Mean 7.084
RMS 8.028
Underflow 0
Overflow 1
Integral 3227
Ch42 TSlope (t1-t2)
HTSlopeCh42
Entries 3228
Mean 118.4
RMS 4.114
Underflow 0
Overflow 9
Integral 3219
Ch43 QDiff: Q0-Q2
HQDiffCh43
Entries 3061
Mean 7.042
RMS 7.692
Underflow 0
Overflow 1
Integral 3060
Ch43 TSlope (t1-t2)
HTSlopeCh43
Entries 3061
Mean 119.4
RMS 3.718
Underflow 0
Overflow 5
Integral 3056
Ch44 QDiff: Q0-Q2
HQDiffCh44
Entries 3289
Mean 7.536
RMS 8.525
Underflow 0
Overflow 1
Integral 3288
Ch44 TSlope (t1-t2)
HTSlopeCh44
Entries 3289
Mean 119.8
RMS 3.75
Underflow 0
Overflow 5
Integral 3284