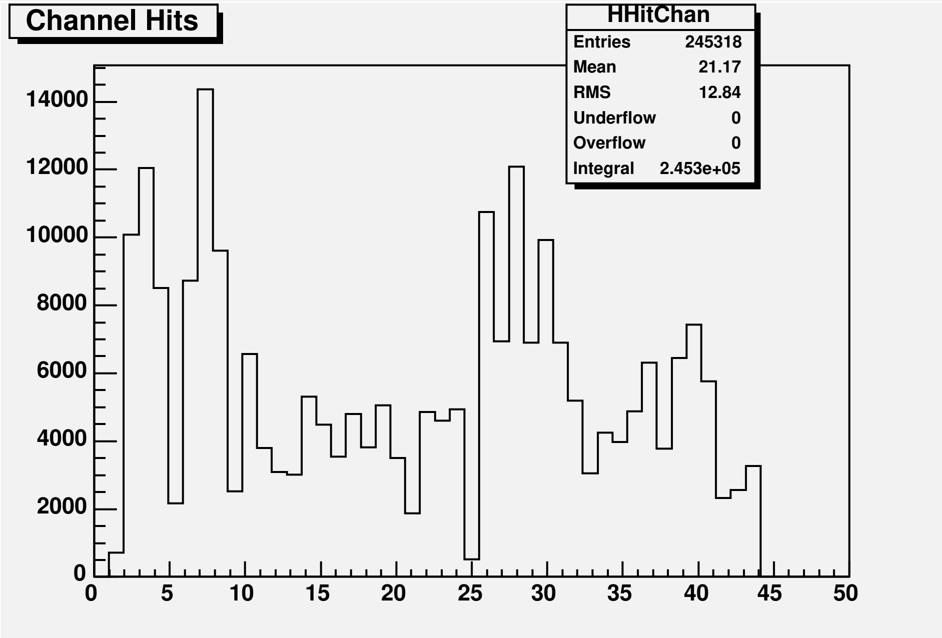
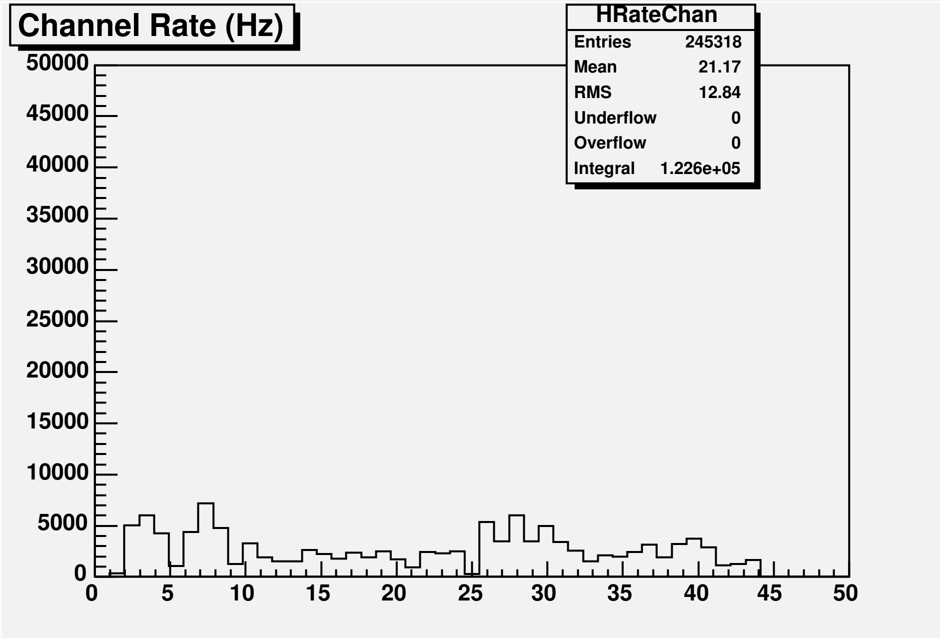
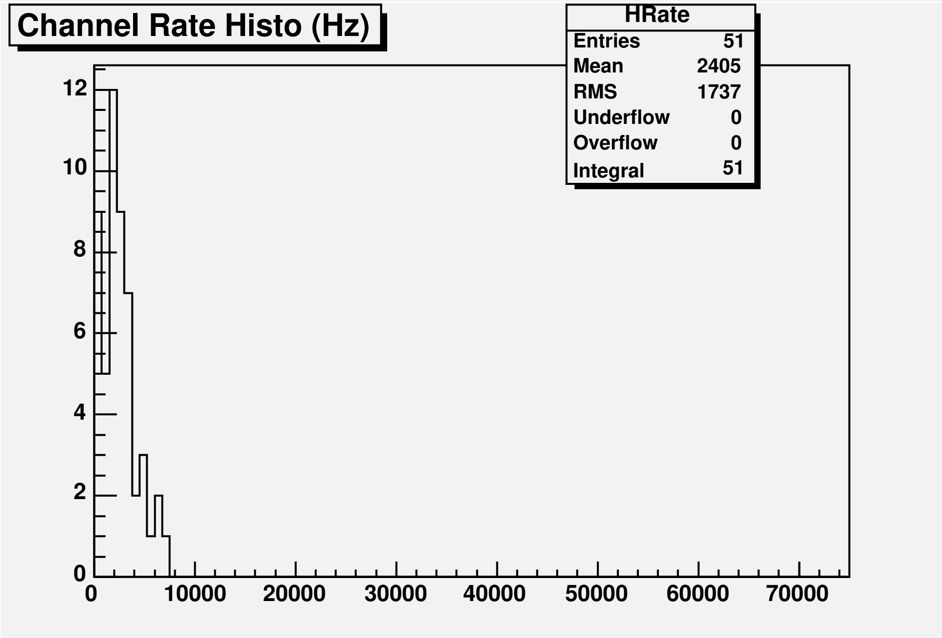
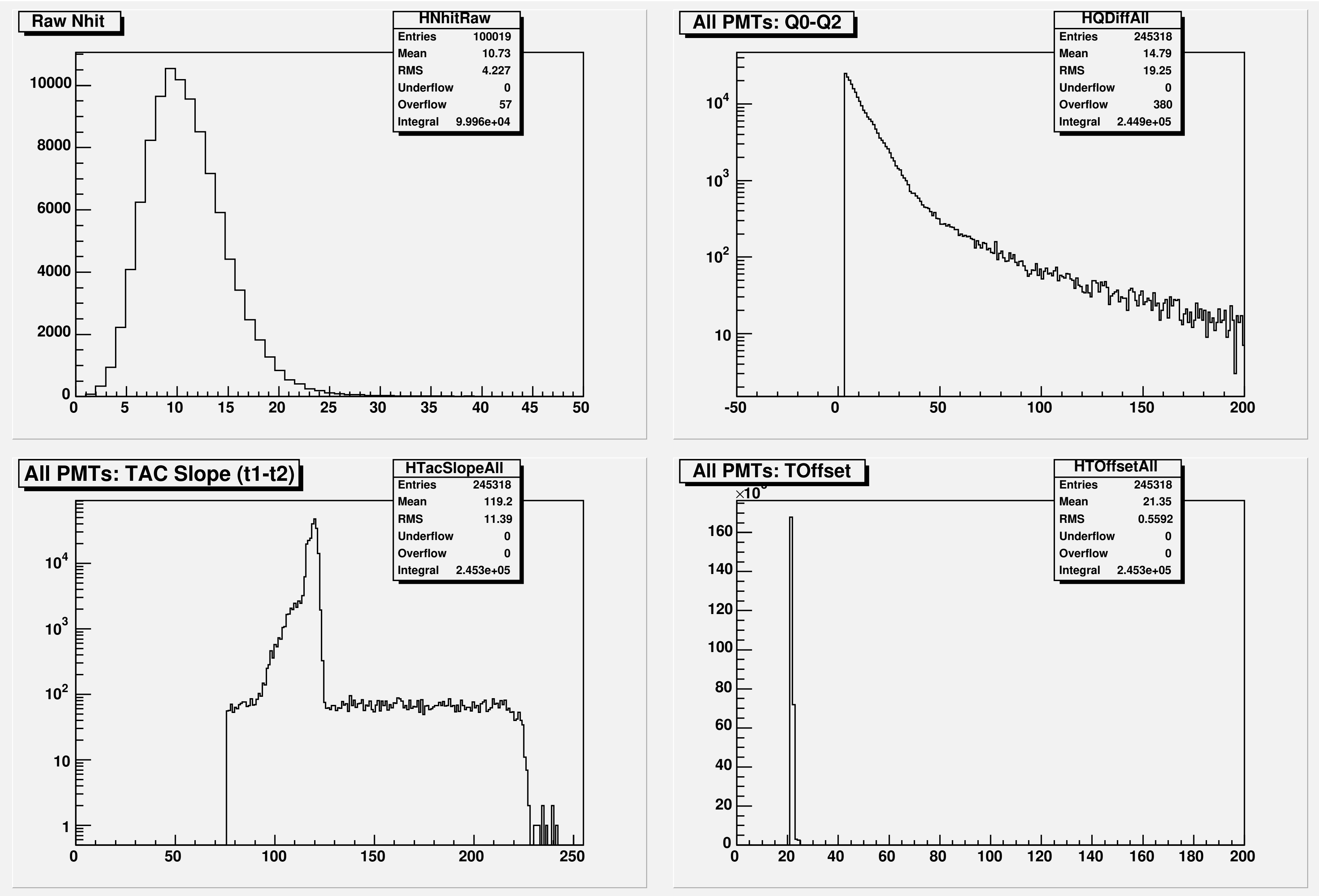
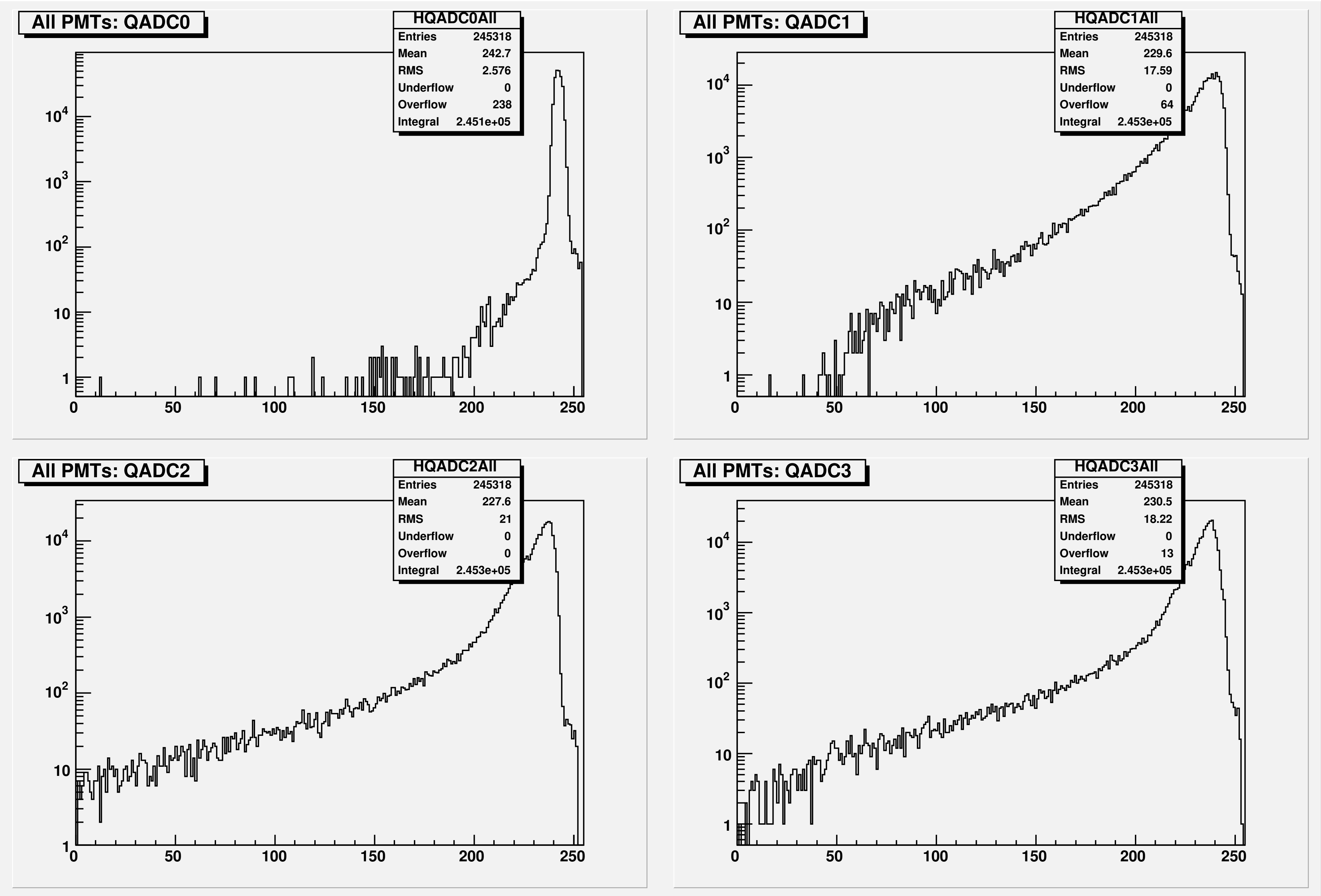
RUN: VlandUnCal Run11489 LEDTCut-QCut

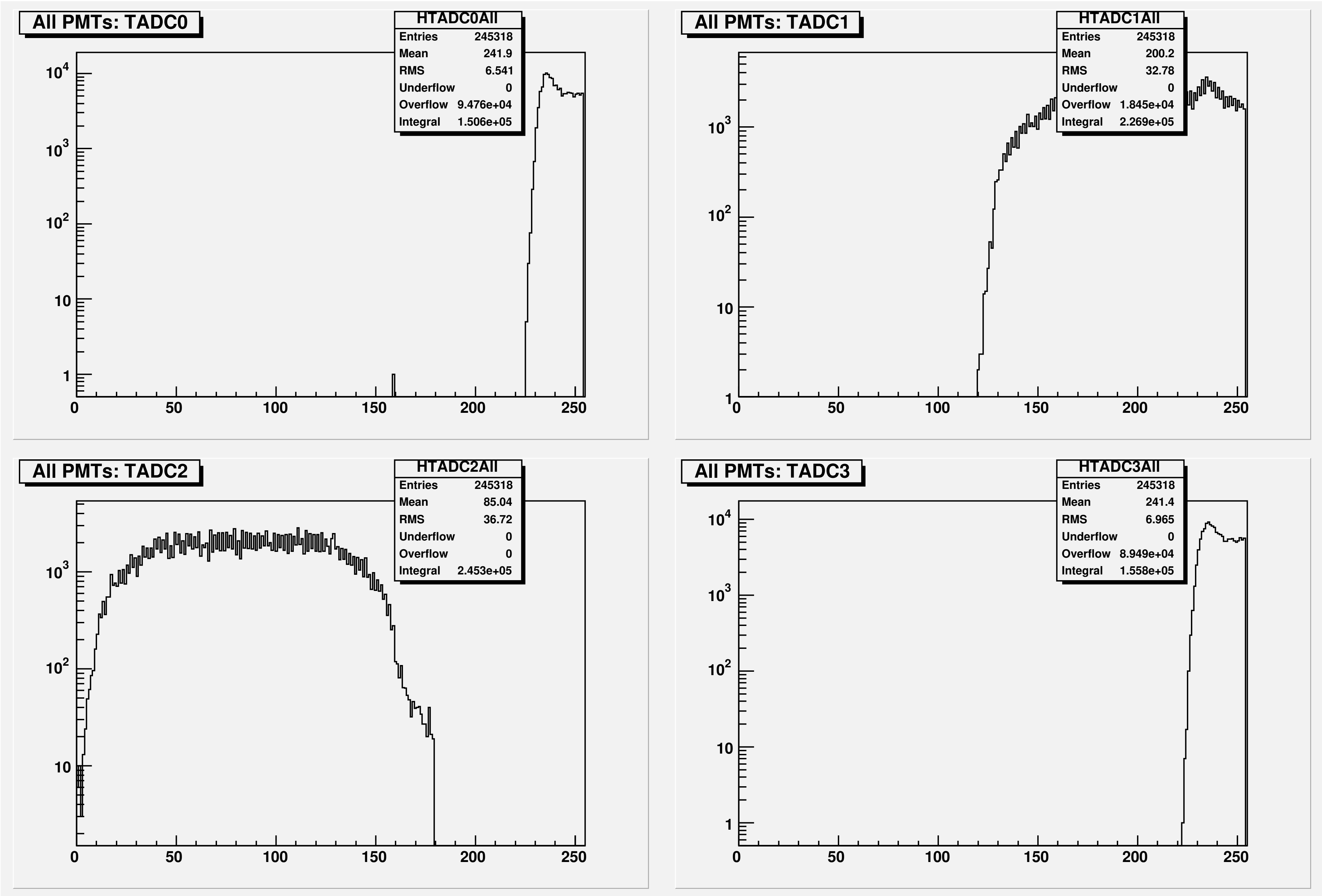

Channel Hits
HHitChan
Entries 245318
Mean 21.17
RMS 12.84
Underflow 0
Overflow 0
Integral 2.453e+05
0 2000 4000 6000 8000 10000 12000 14000
0 5 10 15 20 25 30 35 40 45 50

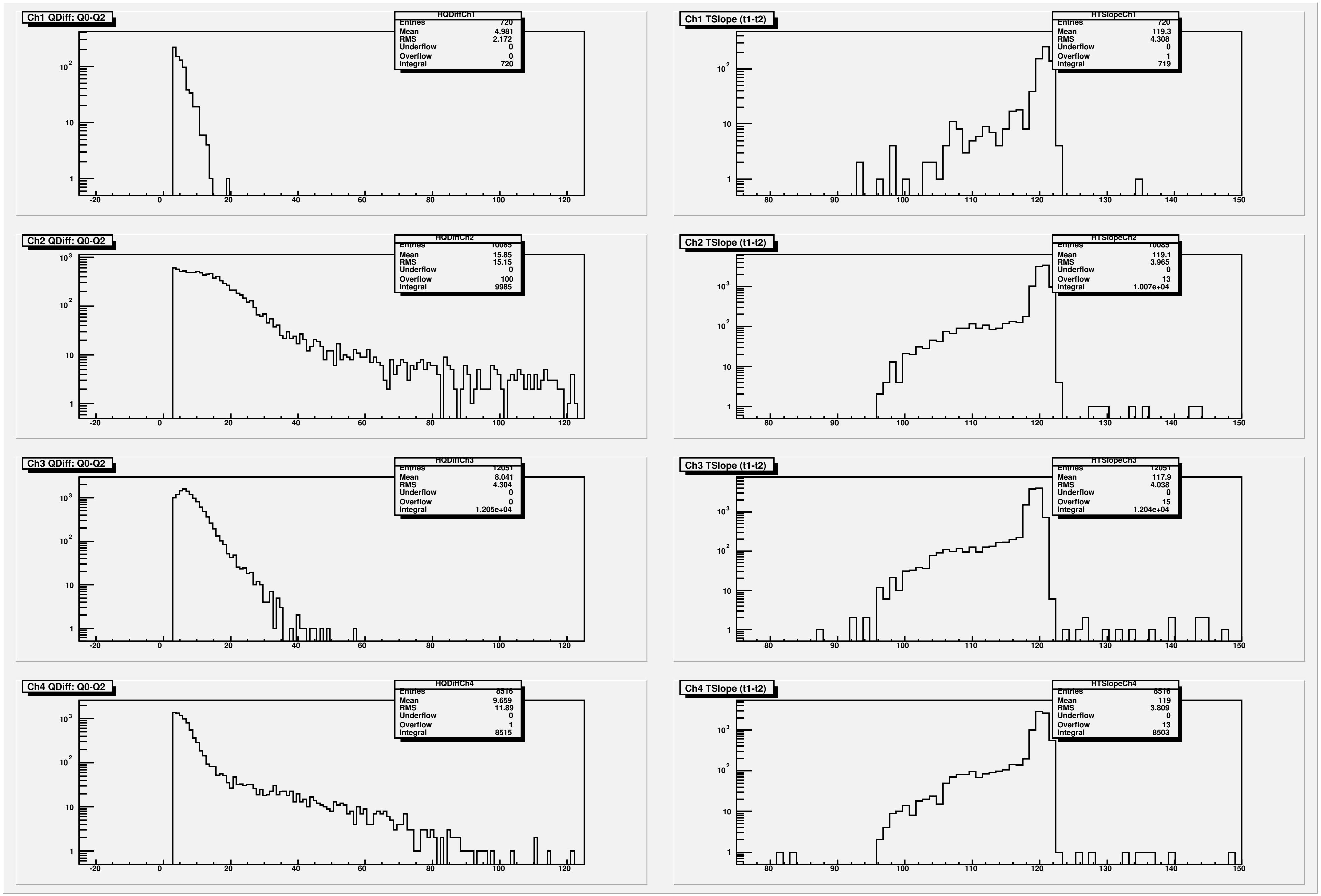

Channel Rate (Hz)
HRateChan
Entries 245318
Mean 21.17
RMS 12.84
Underflow 0
Overflow 0
Integral 1.226e+05
0 5000 10000 15000 20000 25000 30000 35000 40000 45000 50000
0 5 10 15 20 25 30 35 40 45 50

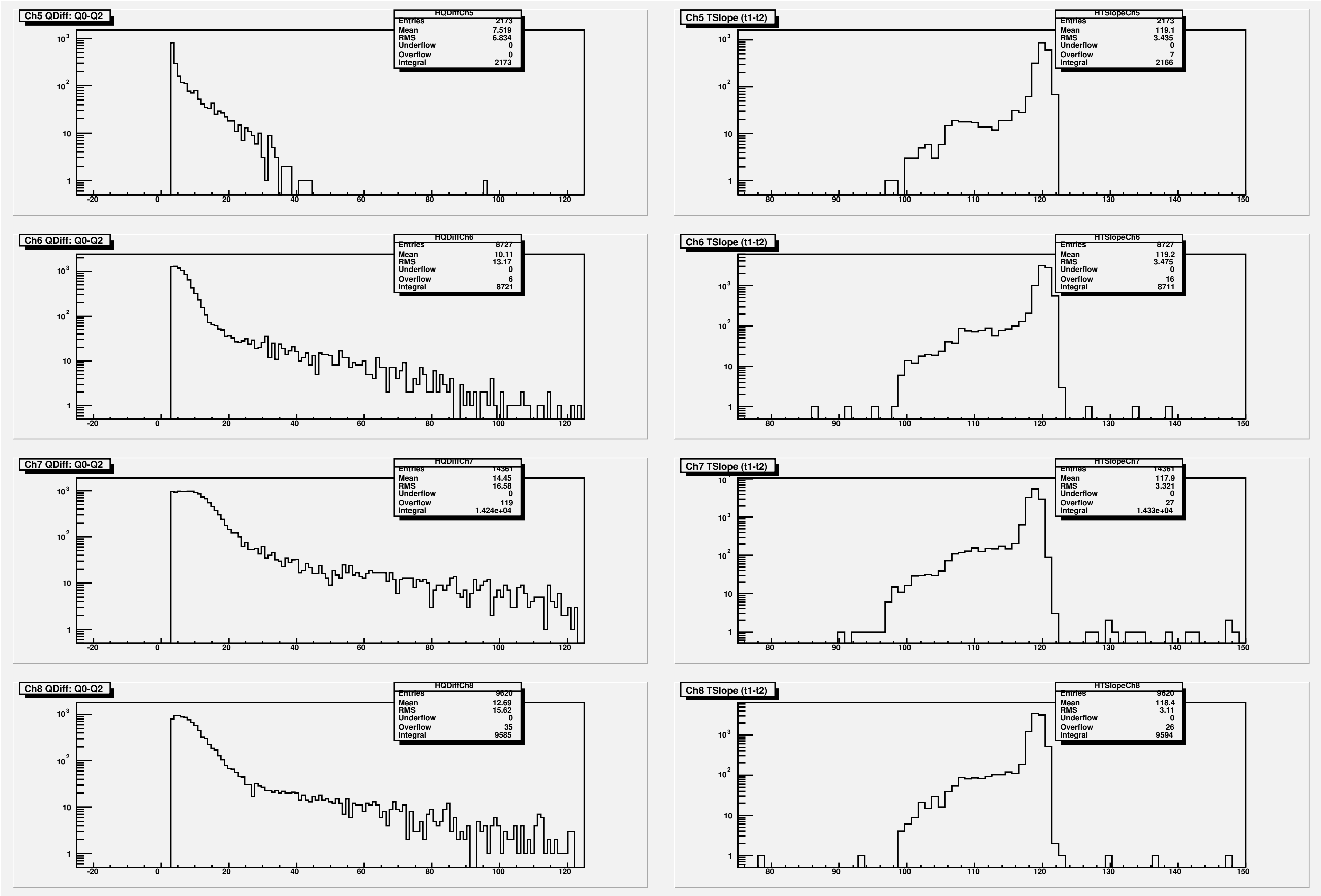

Channel Rate Histo (Hz)
HRate
Entries 51
Mean 2405
RMS 1737
Underflow 0
Overflow 0
Integral 51
0 2 4 6 8 10 12
0 10000 20000 30000 40000 50000 60000 70000


Raw Nhit
HNhitRaw
Entries 100019
Mean 10.73
RMS 4.227
Underflow 0
Overflow 57
Integral 9.996e+04
All PMTs: Q0-Q2
HQDiffAll
Entries 245318
Mean 14.79
RMS 19.25
Underflow 0
Overflow 380
Integral 2.449e+05
All PMTs: TAC Slope (t1-t2)
HTacSlopeAll
Entries 245318
Mean 119.2
RMS 11.39
Underflow 0
Overflow 0
Integral 2.453e+05
All PMTs: TOffset
HTOffsetAll
Entries 245318
Mean 21.35
RMS 0.5592
Underflow 0
Overflow 0
Integral 2.453e+05

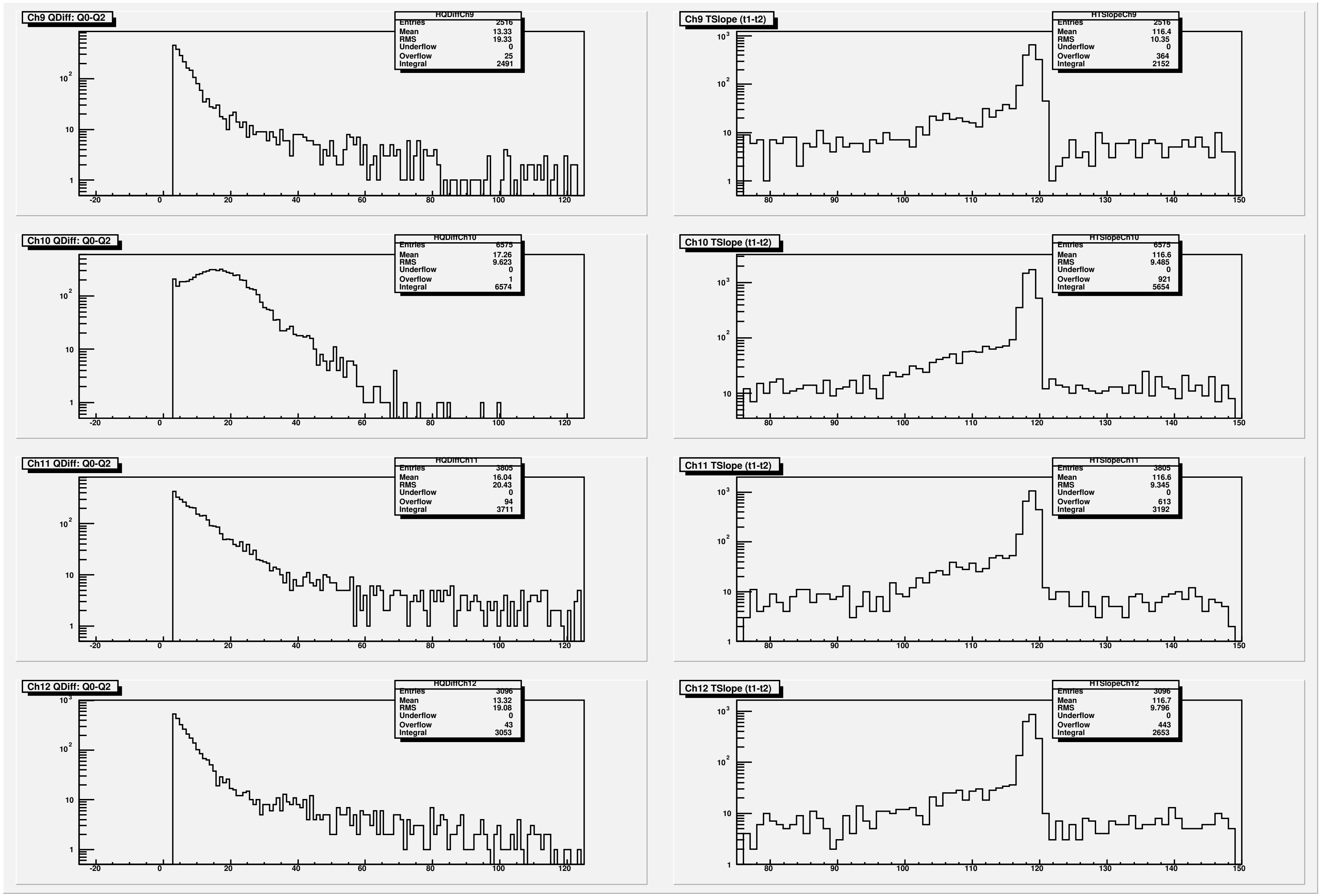

All PMTs: QADC0
HQADC0All
Entries 245318
Mean 242.7
RMS 2.576
Underflow 0
Overflow 238
Integral 2.451e+05
All PMTs: QADC1
HQADC1All
Entries 245318
Mean 229.6
RMS 17.59
Underflow 0
Overflow 64
Integral 2.453e+05
All PMTs: QADC2
HQADC2All
Entries 245318
Mean 227.6
RMS 21
Underflow 0
Overflow 0
Integral 2.453e+05
All PMTs: QADC3
HQADC3All
Entries 245318
Mean 230.5
RMS 18.22
Underflow 0
Overflow 13
Integral 2.453e+05


All PMTs: TADC0
HTADC0All
Entries 245318
Mean 241.9
RMS 6.541
Underflow 0
Overflow 9.476e+04
Integral 1.506e+05
All PMTs: TADC1
HTADC1All
Entries 245318
Mean 200.2
RMS 32.78
Underflow 0
Overflow 1.845e+04
Integral 2.269e+05
All PMTs: TADC2
HTADC2All
Entries 245318
Mean 85.04
RMS 36.72
Underflow 0
Overflow 0
Integral 2.453e+05
All PMTs: TADC3
HTADC3All
Entries 245318
Mean 241.4
RMS 6.965
Underflow 0
Overflow 8.949e+04
Integral 1.558e+05
0
50
100
150
200
250

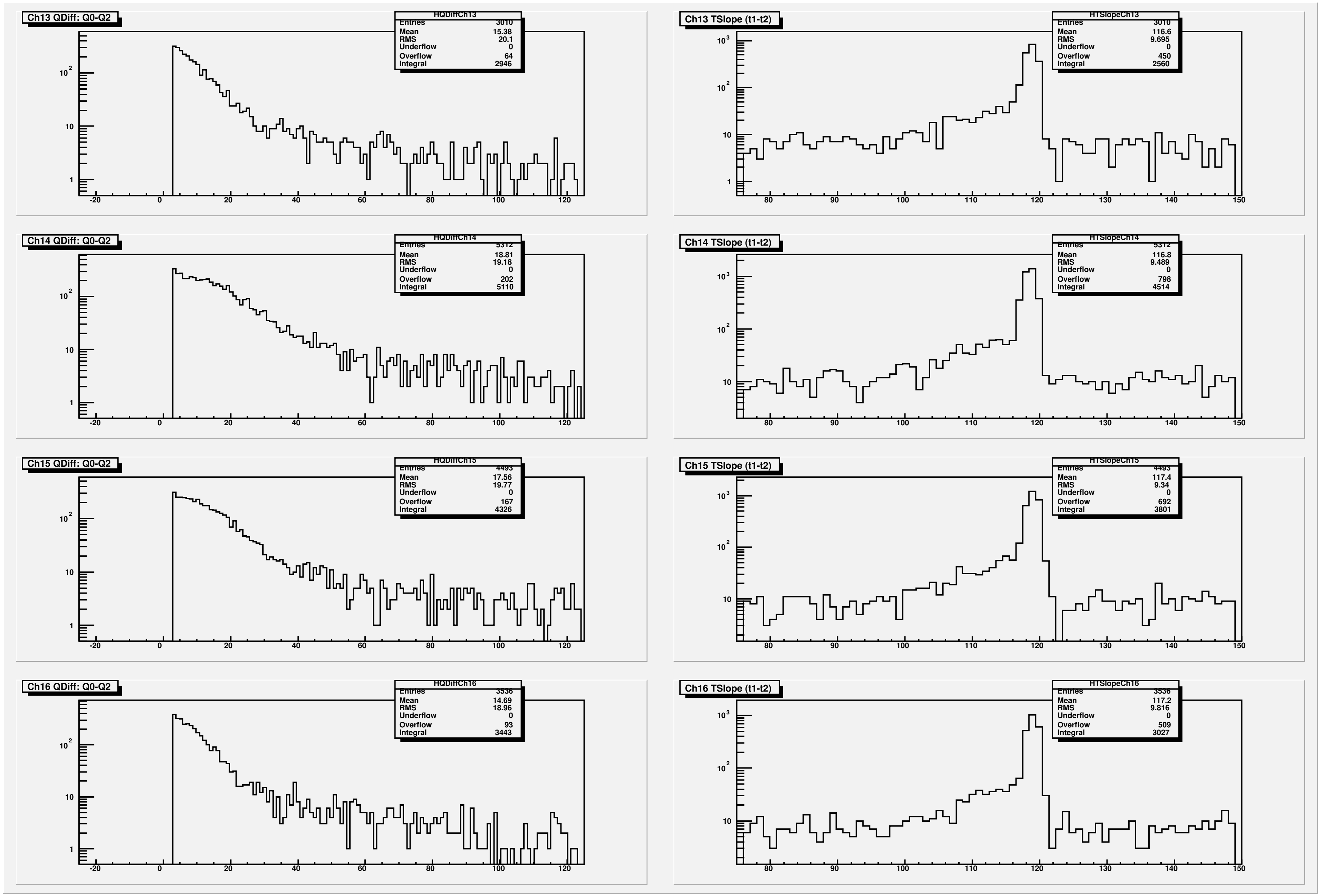

Ch1 QDiff: Q0-Q2
HQDiffCh1
Entries 720
Mean 4.981
RMS 2.172
Underflow 0
Overflow 0
Integral 720
Ch1 TSlope (t1-t2)
HTSlopeCh1
Entries 720
Mean 119.3
RMS 4.308
Underflow 0
Overflow 1
Integral 719
Ch2 QDiff: Q0-Q2
HQDiffCh2
Entries 10085
Mean 15.85
RMS 15.15
Underflow 0
Overflow 100
Integral 9985
Ch2 TSlope (t1-t2)
HTSlopeCh2
Entries 10085
Mean 119.1
RMS 3.965
Underflow 0
Overflow 13
Integral 1.007e+04
Ch3 QDiff: Q0-Q2
HQDiffCh3
Entries 12051
Mean 8.041
RMS 4.304
Underflow 0
Overflow 0
Integral 1.205e+04
Ch3 TSlope (t1-t2)
HTSlopeCh3
Entries 12051
Mean 117.9
RMS 4.038
Underflow 0
Overflow 15
Integral 1.204e+04
Ch4 QDiff: Q0-Q2
HQDiffCh4
Entries 8516
Mean 9.659
RMS 11.89
Underflow 0
Overflow 1
Integral 8515
Ch4 TSlope (t1-t2)
HTSlopeCh4
Entries 8516
Mean 119
RMS 3.809
Underflow 0
Overflow 13
Integral 8503

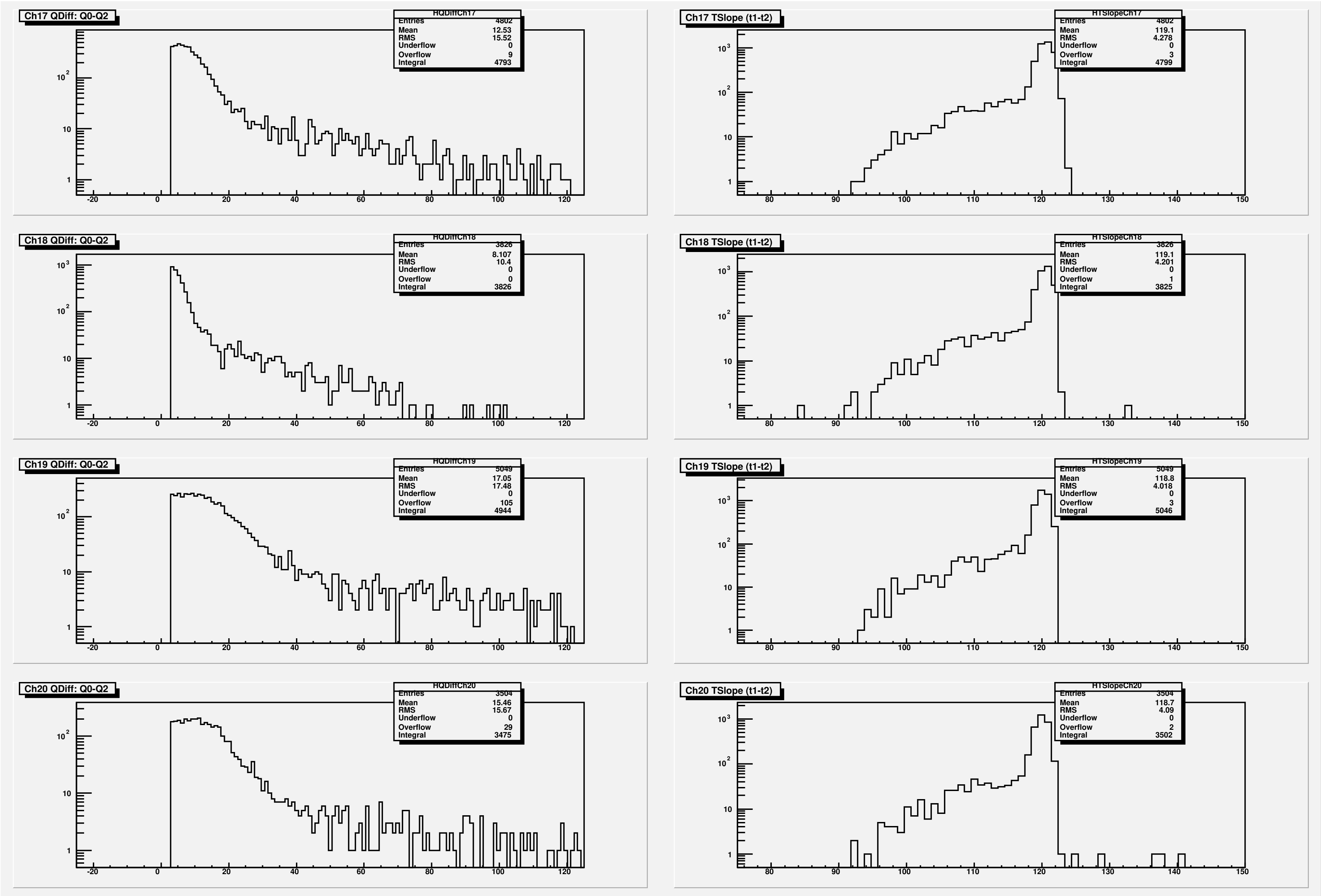


Ch5 QDiff: Q0-Q2
HQDiffCh5
Entries 2173
Mean 7.519
RMS 6.834
Underflow 0
Overflow 0
Integral 2173
Ch5 TSlope (t1-t2)
HTSlopeCh5
Entries 2173
Mean 119.1
RMS 3.435
Underflow 0
Overflow 7
Integral 2166
Ch6 QDiff: Q0-Q2
HQDiffCh6
Entries 8727
Mean 10.11
RMS 13.17
Underflow 0
Overflow 6
Integral 8721
Ch6 TSlope (t1-t2)
HTSlopeCh6
Entries 8727
Mean 119.2
RMS 3.475
Underflow 0
Overflow 16
Integral 8711
Ch7 QDiff: Q0-Q2
HQDiffCh7
Entries 14361
Mean 14.45
RMS 16.58
Underflow 0
Overflow 119
Integral 1.424e+04
Ch7 TSlope (t1-t2)
HTSlopeCh7
Entries 14361
Mean 117.9
RMS 3.321
Underflow 0
Overflow 27
Integral 1.433e+04
Ch8 QDiff: Q0-Q2
HQDiffCh8
Entries 9620
Mean 12.69
RMS 15.62
Underflow 0
Overflow 35
Integral 9585
Ch8 TSlope (t1-t2)
HTSlopeCh8
Entries 9620
Mean 118.4
RMS 3.11
Underflow 0
Overflow 26
Integral 9594

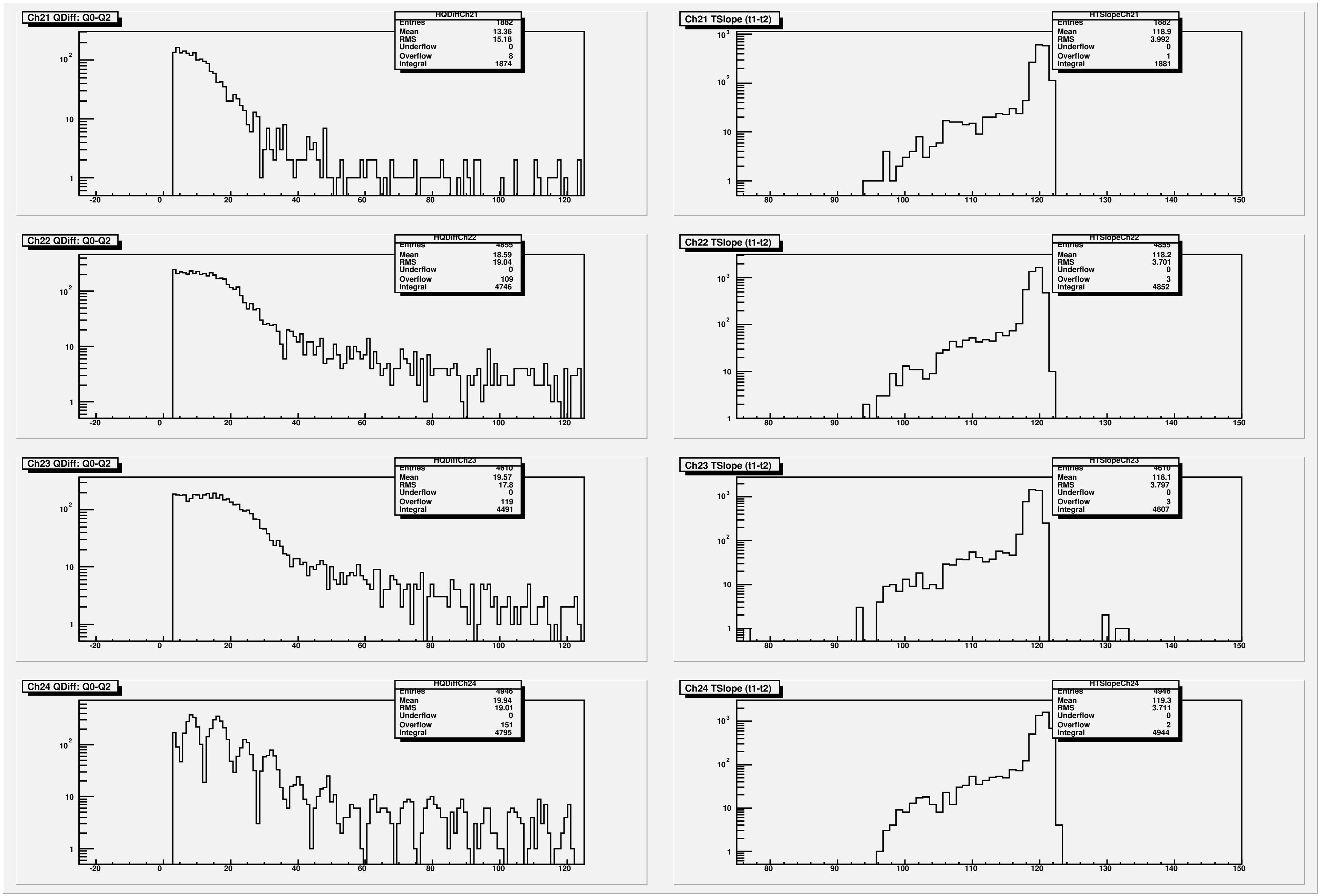


Ch9 QDiff: Q0-Q2
HQDiffCh9
Entries 2516
Mean 13.33
RMS 19.33
Underflow 0
Overflow 25
Integral 2491
Ch9 TSlope (t1-t2)
HTSlopeCh9
Entries 2516
Mean 116.4
RMS 10.35
Underflow 0
Overflow 364
Integral 2152
Ch10 QDiff: Q0-Q2
HQDiffCh10
Entries 6575
Mean 17.26
RMS 9.623
Underflow 0
Overflow 1
Integral 6574
Ch10 TSlope (t1-t2)
HTSlopeCh10
Entries 6575
Mean 116.6
RMS 9.485
Underflow 0
Overflow 921
Integral 5654
Ch11 QDiff: Q0-Q2
HQDiffCh11
Entries 3805
Mean 16.04
RMS 20.43
Underflow 0
Overflow 94
Integral 3711
Ch11 TSlope (t1-t2)
HTSlopeCh11
Entries 3805
Mean 116.6
RMS 9.345
Underflow 0
Overflow 613
Integral 3192
Ch12 QDiff: Q0-Q2
HQDiffCh12
Entries 3096
Mean 13.32
RMS 19.08
Underflow 0
Overflow 43
Integral 3053
Ch12 TSlope (t1-t2)
HTSlopeCh12
Entries 3096
Mean 116.7
RMS 9.796
Underflow 0
Overflow 443
Integral 2653

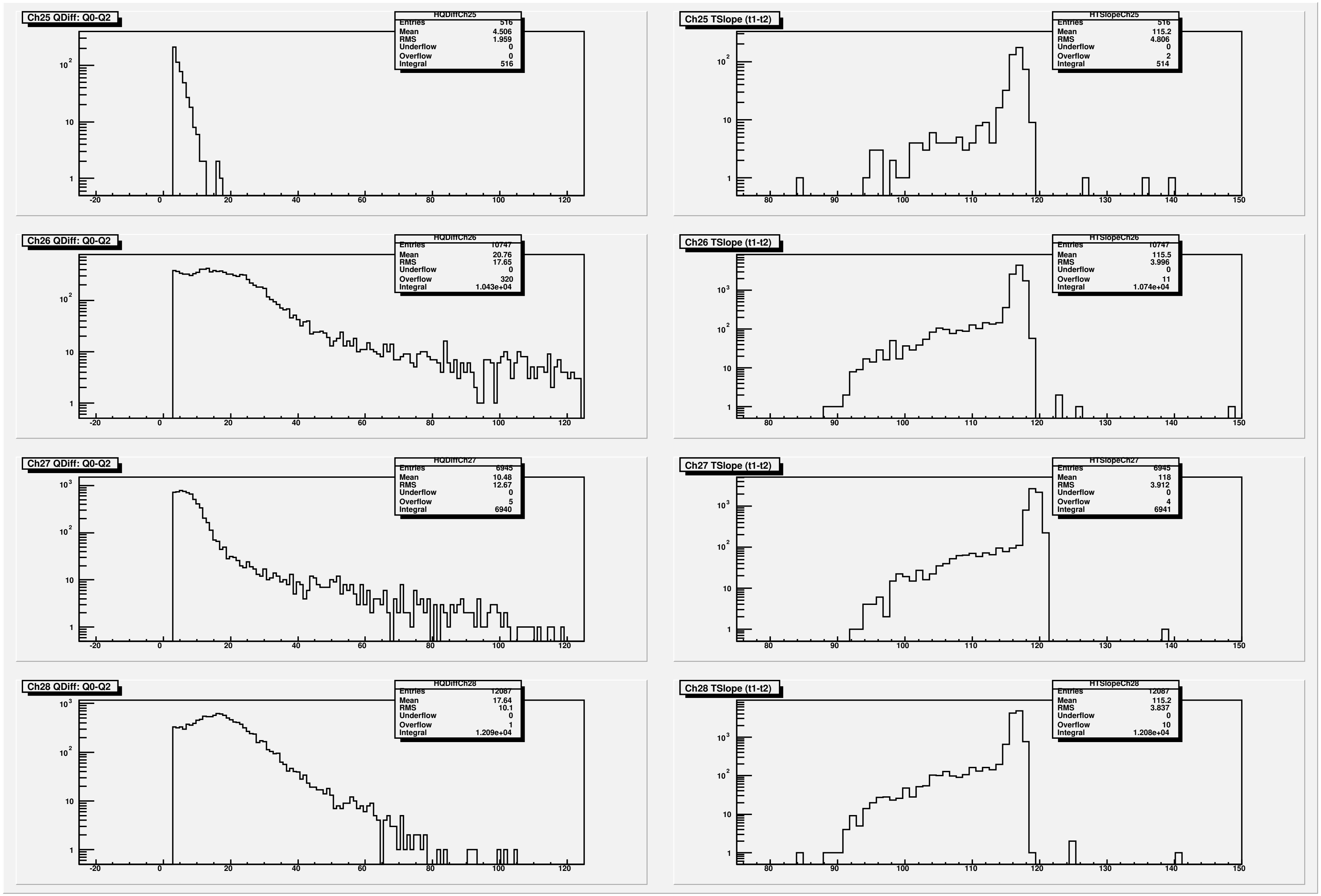

Ch13 QDiff: Q0-Q2
HQDiffCh13
Entries 3010
Mean 15.38
RMS 20.1
Underflow 0
Overflow 64
Integral 2946
Ch13 TSlope (t1-t2)
HTSlopeCh13
Entries 3010
Mean 116.6
RMS 9.695
Underflow 0
Overflow 450
Integral 2560
Ch14 QDiff: Q0-Q2
HQDiffCh14
Entries 5312
Mean 18.81
RMS 19.18
Underflow 0
Overflow 202
Integral 5110
Ch14 TSlope (t1-t2)
HTSlopeCh14
Entries 5312
Mean 116.8
RMS 9.489
Underflow 0
Overflow 798
Integral 4514
Ch15 QDiff: Q0-Q2
HQDiffCh15
Entries 4493
Mean 17.56
RMS 19.77
Underflow 0
Overflow 167
Integral 4326
Ch15 TSlope (t1-t2)
HTSlopeCh15
Entries 4493
Mean 117.4
RMS 9.34
Underflow 0
Overflow 692
Integral 3801
Ch16 QDiff: Q0-Q2
HQDiffCh16
Entries 3536
Mean 14.69
RMS 18.96
Underflow 0
Overflow 93
Integral 3443
Ch16 TSlope (t1-t2)
HTSlopeCh16
Entries 3536
Mean 117.2
RMS 9.816
Underflow 0
Overflow 509
Integral 3027



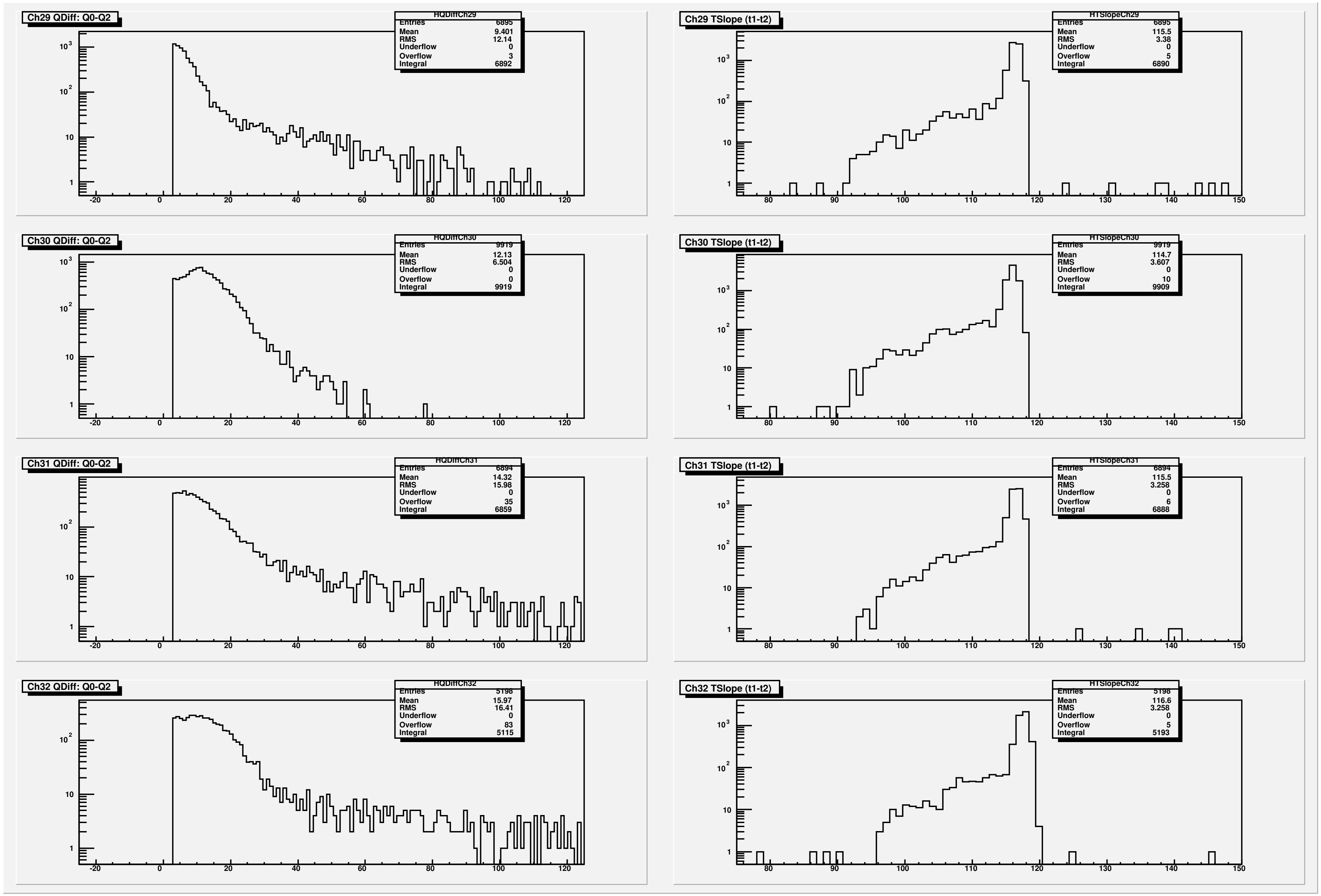
Ch17 QDiff: Q0-Q2
HQDiffCh17
Entries 4802
Mean 12.53
RMS 15.52
Underflow 0
Overflow 9
Integral 4793
Ch17 TSlope (t1-t2)
HTSlopeCh17
Entries 4802
Mean 119.1
RMS 4.278
Underflow 0
Overflow 3
Integral 4799
Ch18 QDiff: Q0-Q2
HQDiffCh18
Entries 3826
Mean 8.107
RMS 10.4
Underflow 0
Overflow 0
Integral 3826
Ch18 TSlope (t1-t2)
HTSlopeCh18
Entries 3826
Mean 119.1
RMS 4.201
Underflow 0
Overflow 1
Integral 3825
Ch19 QDiff: Q0-Q2
HQDiffCh19
Entries 5049
Mean 17.05
RMS 17.48
Underflow 0
Overflow 105
Integral 4944
Ch19 TSlope (t1-t2)
HTSlopeCh19
Entries 5049
Mean 118.8
RMS 4.018
Underflow 0
Overflow 3
Integral 5046
Ch20 QDiff: Q0-Q2
HQDiffCh20
Entries 3504
Mean 15.46
RMS 15.67
Underflow 0
Overflow 29
Integral 3475
Ch20 TSlope (t1-t2)
HTSlopeCh20
Entries 3504
Mean 118.7
RMS 4.09
Underflow 0
Overflow 2
Integral 3502

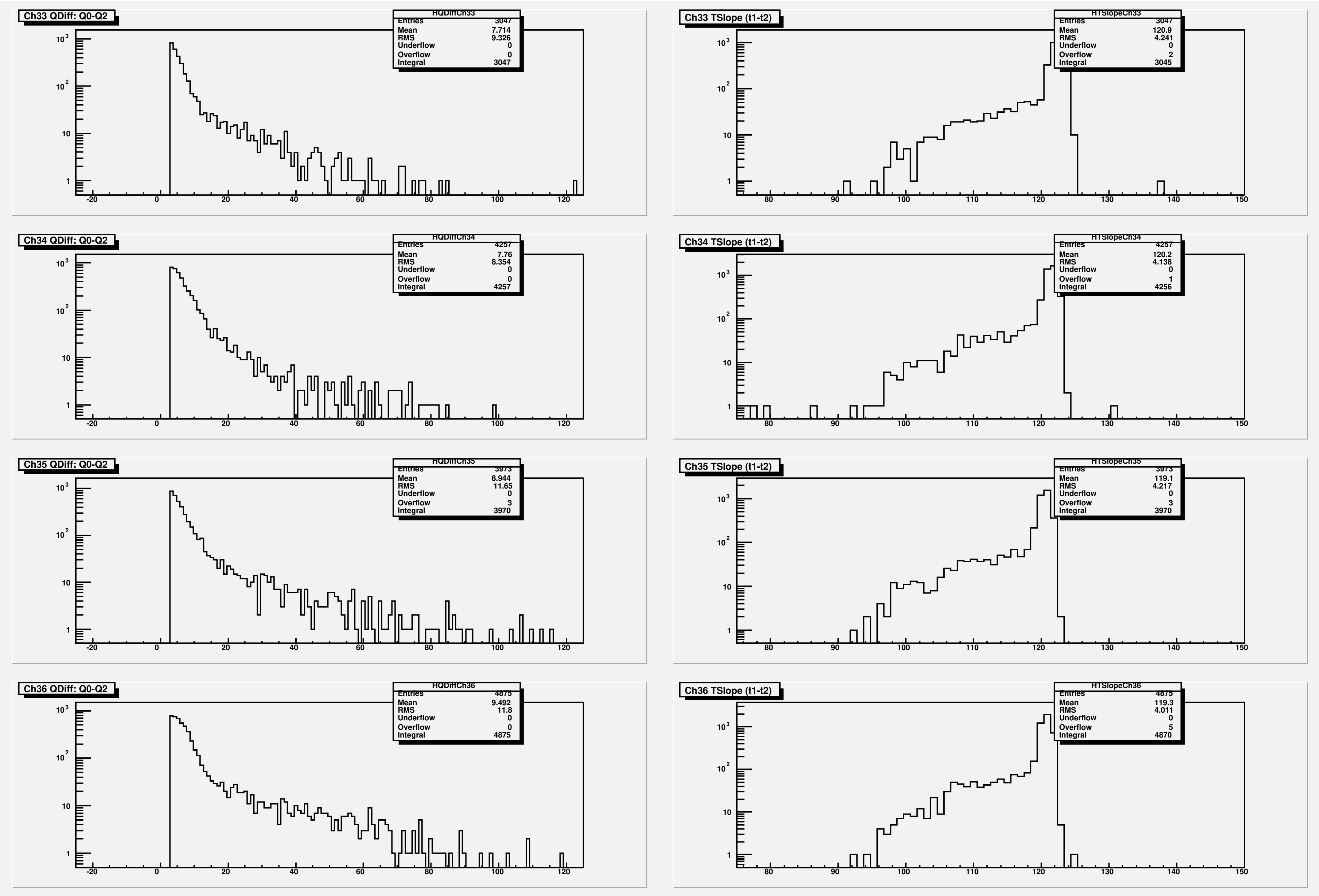


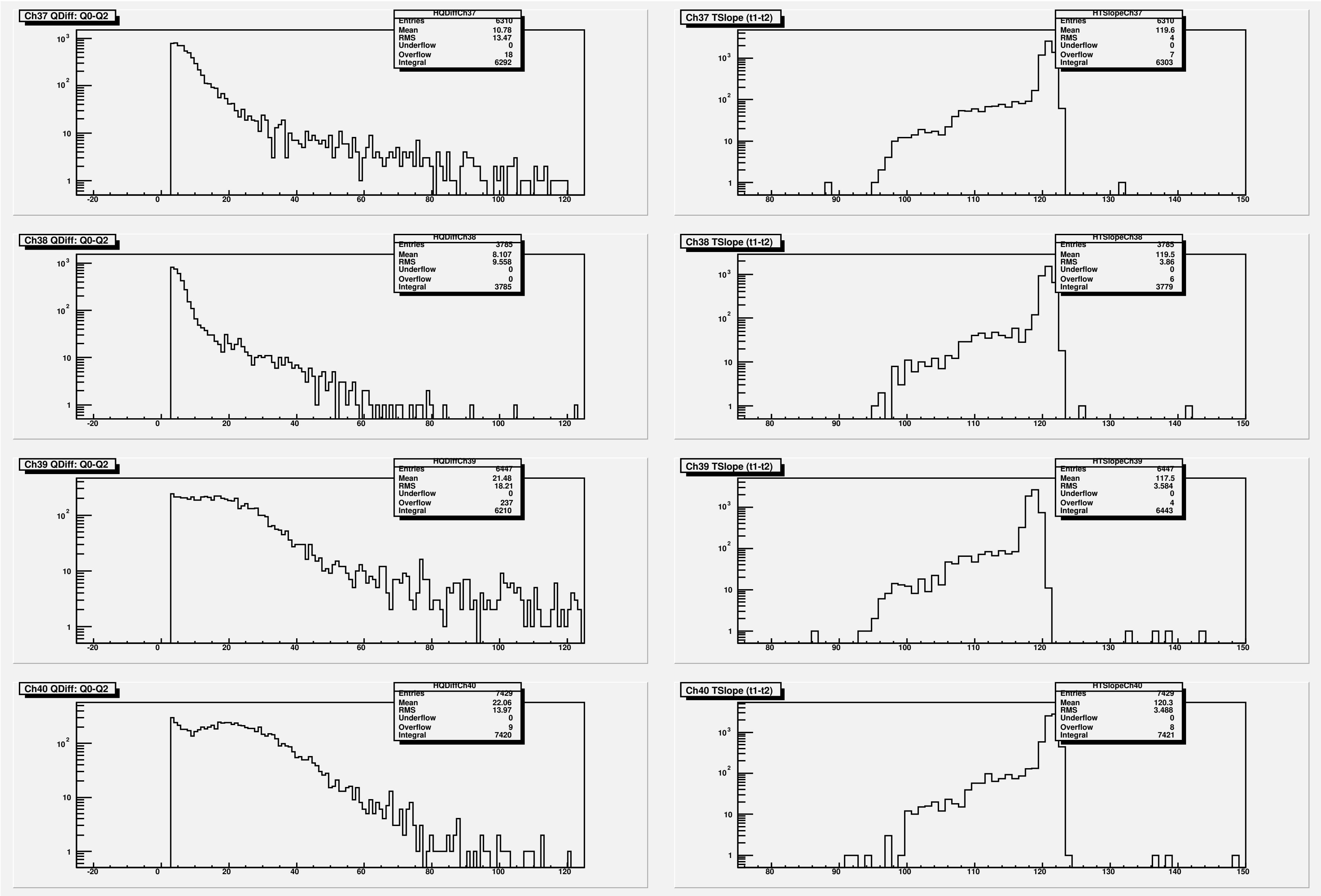
Ch21 QDiff: Q0-Q2
HQDiffCh21
Entries 1882
Mean 13.36
RMS 15.18
Underflow 0
Overflow 8
Integral 1874
Ch21 TSlope (t1-t2)
HTSlopeCh21
Entries 1882
Mean 118.9
RMS 3.992
Underflow 0
Overflow 1
Integral 1881
Ch22 QDiff: Q0-Q2
HQDiffCh22
Entries 4855
Mean 18.59
RMS 19.04
Underflow 0
Overflow 109
Integral 4746
Ch22 TSlope (t1-t2)
HTSlopeCh22
Entries 4855
Mean 118.2
RMS 3.701
Underflow 0
Overflow 3
Integral 4852
Ch23 QDiff: Q0-Q2
HQDiffCh23
Entries 4610
Mean 19.57
RMS 17.8
Underflow 0
Overflow 119
Integral 4491
Ch23 TSlope (t1-t2)
HTSlopeCh23
Entries 4610
Mean 118.1
RMS 3.797
Underflow 0
Overflow 3
Integral 4607
Ch24 QDiff: Q0-Q2
HQDiffCh24
Entries 4946
Mean 19.94
RMS 19.01
Underflow 0
Overflow 151
Integral 4795
Ch24 TSlope (t1-t2)
HTSlopeCh24
Entries 4946
Mean 119.3
RMS 3.711
Underflow 0
Overflow 2
Integral 4944



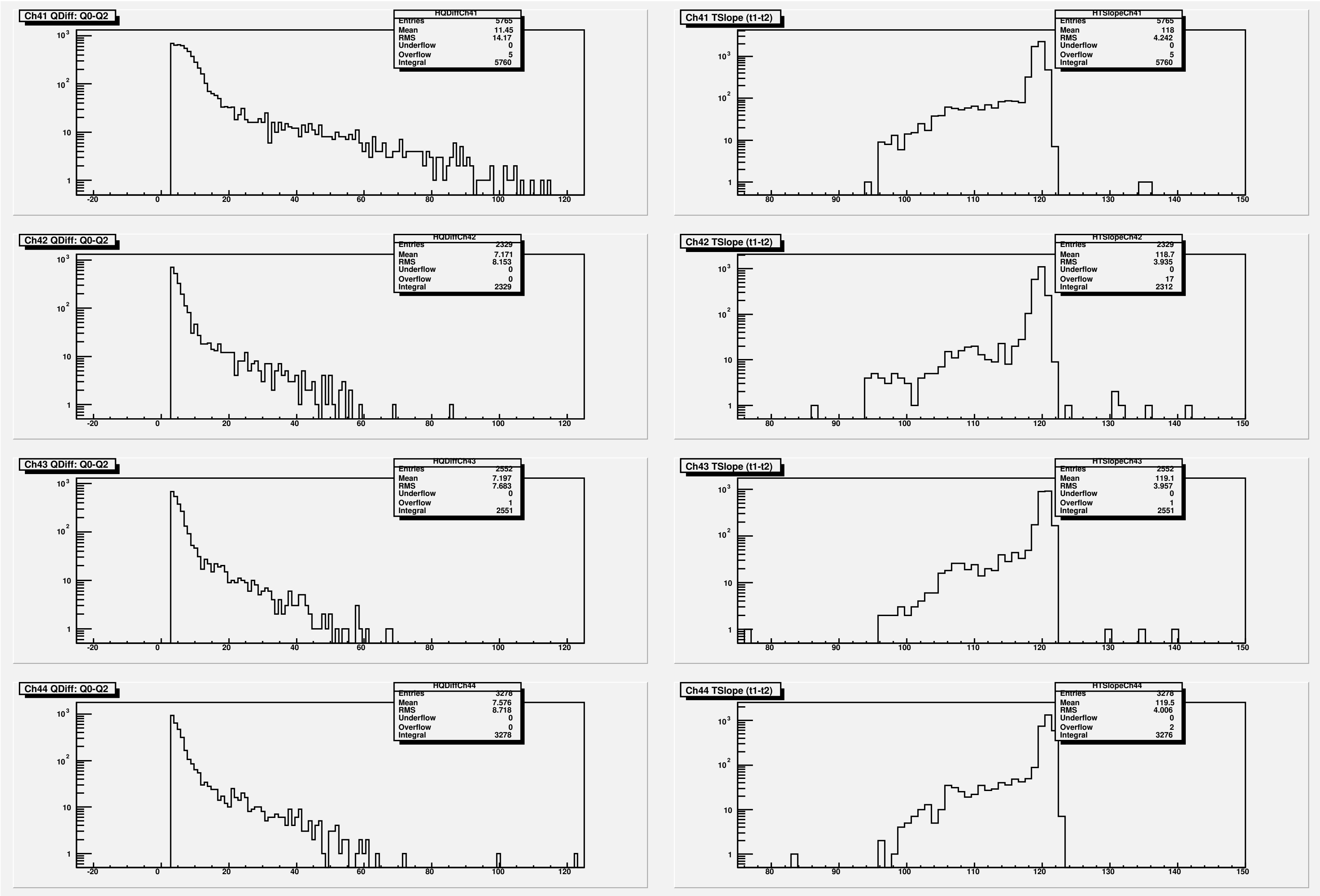
Ch25 QDiff: Q0-Q2
HQDiffCh25
Entries 516
Mean 4.506
RMS 1.959
Underflow 0
Overflow 0
Integral 516
Ch25 TSlope (t1-t2)
HTSlopeCh25
Entries 516
Mean 115.2
RMS 4.806
Underflow 0
Overflow 2
Integral 514
Ch26 QDiff: Q0-Q2
HQDiffCh26
Entries 10747
Mean 20.76
RMS 17.65
Underflow 0
Overflow 320
Integral 1.043e+04
Ch26 TSlope (t1-t2)
HTSlopeCh26
Entries 10747
Mean 115.5
RMS 3.996
Underflow 0
Overflow 11
Integral 1.074e+04
Ch27 QDiff: Q0-Q2
HQDiffCh27
Entries 6945
Mean 10.48
RMS 12.67
Underflow 0
Overflow 5
Integral 6940
Ch27 TSlope (t1-t2)
HTSlopeCh27
Entries 6945
Mean 118
RMS 3.912
Underflow 0
Overflow 4
Integral 6941
Ch28 QDiff: Q0-Q2
HQDiffCh28
Entries 12087
Mean 17.64
RMS 10.1
Underflow 0
Overflow 1
Integral 1.209e+04
Ch28 TSlope (t1-t2)
HTSlopeCh28
Entries 12087
Mean 115.2
RMS 3.837
Underflow 0
Overflow 10
Integral 1.208e+04


Ch29 QDiff: Q0-Q2
HQDiffCh29
Entries 6895
Mean 9.401
RMS 12.14
Underflow 0
Overflow 3
Integral 6892
Ch29 TSlope (t1-t2)
HTSlopeCh29
Entries 6895
Mean 115.5
RMS 3.38
Underflow 0
Overflow 5
Integral 6890
Ch30 QDiff: Q0-Q2
HQDiffCh30
Entries 9919
Mean 12.13
RMS 6.504
Underflow 0
Overflow 0
Integral 9919
Ch30 TSlope (t1-t2)
HTSlopeCh30
Entries 9919
Mean 114.7
RMS 3.607
Underflow 0
Overflow 10
Integral 9909
Ch31 QDiff: Q0-Q2
HQDiffCh31
Entries 6894
Mean 14.32
RMS 15.98
Underflow 0
Overflow 35
Integral 6859
Ch31 TSlope (t1-t2)
HTSlopeCh31
Entries 6894
Mean 115.5
RMS 3.258
Underflow 0
Overflow 6
Integral 6888
Ch32 QDiff: Q0-Q2
HQDiffCh32
Entries 5198
Mean 15.97
RMS 16.41
Underflow 0
Overflow 83
Integral 5115
Ch32 TSlope (t1-t2)
HTSlopeCh32
Entries 5198
Mean 116.6
RMS 3.258
Underflow 0
Overflow 5
Integral 5193


Ch33 QDiff: Q0-Q2
HQDiffCh33
Entries 3047
Mean 7.714
RMS 9.326
Underflow 0
Overflow 0
Integral 3047
Ch33 TSlope (t1-t2)
HTSlopeCh33
Entries 3047
Mean 120.9
RMS 4.241
Underflow 0
Overflow 2
Integral 3045
Ch34 QDiff: Q0-Q2
HQDiffCh34
Entries 4257
Mean 7.76
RMS 8.354
Underflow 0
Overflow 0
Integral 4257
Ch34 TSlope (t1-t2)
HTSlopeCh34
Entries 4257
Mean 120.2
RMS 4.138
Underflow 0
Overflow 1
Integral 4256
Ch35 QDiff: Q0-Q2
HQDiffCh35
Entries 3973
Mean 8.944
RMS 11.65
Underflow 0
Overflow 3
Integral 3970
Ch35 TSlope (t1-t2)
HTSlopeCh35
Entries 3973
Mean 119.1
RMS 4.217
Underflow 0
Overflow 3
Integral 3970
Ch36 QDiff: Q0-Q2
HQDiffCh36
Entries 4875
Mean 9.492
RMS 11.8
Underflow 0
Overflow 0
Integral 4875
Ch36 TSlope (t1-t2)
HTSlopeCh36
Entries 4875
Mean 119.3
RMS 4.011
Underflow 0
Overflow 5
Integral 4870



Ch37 QDiff: Q0-Q2
HQDiffCh37
Entries 6310
Mean 10.78
RMS 13.47
Underflow 0
Overflow 18
Integral 6292
Ch37 TSlope (t1-t2)
HTSlopeCh37
Entries 6310
Mean 119.6
RMS 4
Underflow 0
Overflow 7
Integral 6303
Ch38 QDiff: Q0-Q2
HQDiffCh38
Entries 3785
Mean 8.107
RMS 9.558
Underflow 0
Overflow 0
Integral 3785
Ch38 TSlope (t1-t2)
HTSlopeCh38
Entries 3785
Mean 119.5
RMS 3.86
Underflow 0
Overflow 6
Integral 3779
Ch39 QDiff: Q0-Q2
HQDiffCh39
Entries 6447
Mean 21.48
RMS 18.21
Underflow 0
Overflow 237
Integral 6210
Ch39 TSlope (t1-t2)
HTSlopeCh39
Entries 6447
Mean 117.5
RMS 3.584
Underflow 0
Overflow 4
Integral 6443
Ch40 QDiff: Q0-Q2
HQDiffCh40
Entries 7429
Mean 22.06
RMS 13.97
Underflow 0
Overflow 9
Integral 7420
Ch40 TSlope (t1-t2)
HTSlopeCh40
Entries 7429
Mean 120.3
RMS 3.488
Underflow 0
Overflow 8
Integral 7421
-20 0 20 40 60 80 100 120
80 90 100 110 120 130 140 150
1 10 10^2 10^3


Ch41 QDiff: Q0-Q2
HQDiffCh41
Entries 5765
Mean 11.45
RMS 14.17
Underflow 0
Overflow 5
Integral 5760
Ch41 TSlope (t1-t2)
HTSlopeCh41
Entries 5765
Mean 118
RMS 4.242
Underflow 0
Overflow 5
Integral 5760
Ch42 QDiff: Q0-Q2
HQDiffCh42
Entries 2329
Mean 7.171
RMS 8.153
Underflow 0
Overflow 0
Integral 2329
Ch42 TSlope (t1-t2)
HTSlopeCh42
Entries 2329
Mean 118.7
RMS 3.935
Underflow 0
Overflow 17
Integral 2312
Ch43 QDiff: Q0-Q2
HQDiffCh43
Entries 2552
Mean 7.197
RMS 7.683
Underflow 0
Overflow 1
Integral 2551
Ch43 TSlope (t1-t2)
HTSlopeCh43
Entries 2552
Mean 119.1
RMS 3.957
Underflow 0
Overflow 1
Integral 2551
Ch44 QDiff: Q0-Q2
HQDiffCh44
Entries 3278
Mean 7.576
RMS 8.718
Underflow 0
Overflow 0
Integral 3278
Ch44 TSlope (t1-t2)
HTSlopeCh44
Entries 3278
Mean 119.5
RMS 4.006
Underflow 0
Overflow 2
Integral 3276