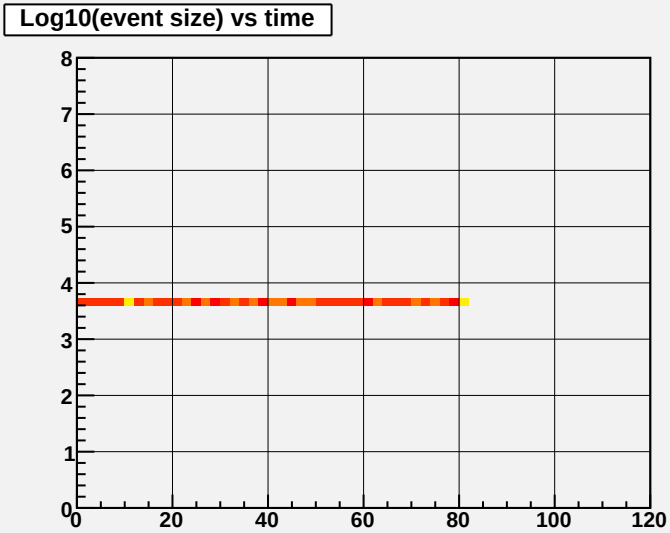
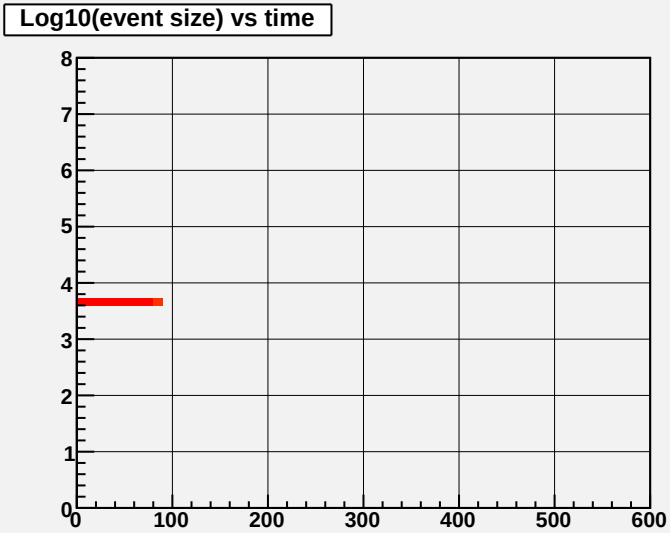
JevpSummary

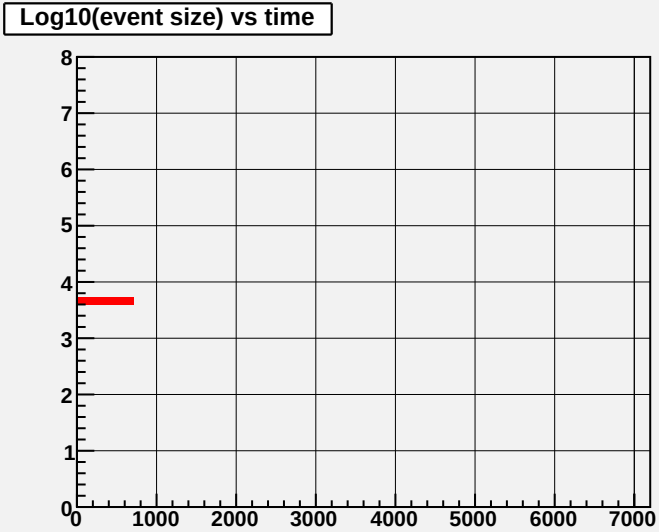
Run #16071048: (running for 691 seconds)

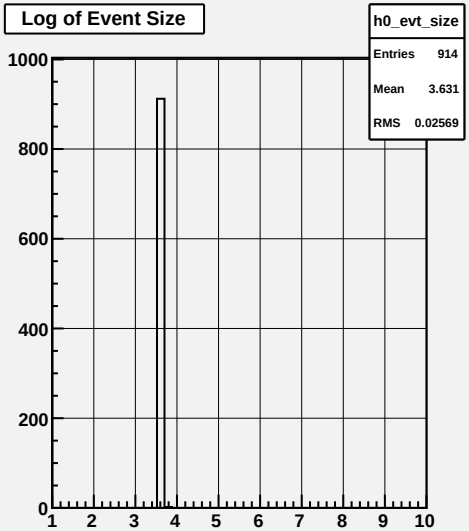
Tags: |trg|daq|

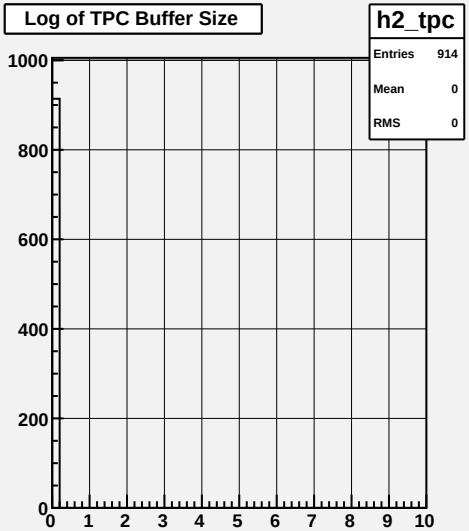
```
builder    base: (events 914, avgtime 0.0000)
builder     bbc: (events 914, avgtime 0.0001)
builder     daq: (events 914, avgtime 0.0000)
builder    bemc: (events 556, avgtime 0.0822)
builder    eemc: (events 914, avgtime 0.0018)
builder     fpd: (events 914, avgtime 0.0001)
builder     hlt: (events 914, avgtime 0.0000)
builder      l3: (events 914, avgtime 0.0003)
builder     tof: (events 914, avgtime 0.0002)
builder     mtd: (events 914, avgtime 0.0000)
builder     tpx: (events 914, avgtime 0.0004)
builder     trg: (events 914, avgtime 0.0001)
builder     upc: (events 914, avgtime 0.0000)
builder     fgt: (events 914, avgtime 0.0105)
builder     vpd: (events 914, avgtime 0.0001)
builder     fms: (events 914, avgtime 0.0003)
builder     fps: (events 914, avgtime 0.0000)
builder     gmt: (events 914, avgtime 0.0000)
builder     pxl: (events 914, avgtime 0.0000)
builder     ist: (events 914, avgtime 0.0073)
builder     ssd: (events 914, avgtime 0.0000)
```


Log10(event size) vs time
8
7
6
5
4
3
2
1
0
0
20
40
60
80
100
120


Log10(event size) vs time
8
7
6
5
4
3
2
1
0
0
100
200
300
400
500
600


Log10(event size) vs time
8
7
6
5
4
3
2
1
0
0
1000
2000
3000
4000
5000
6000
7000



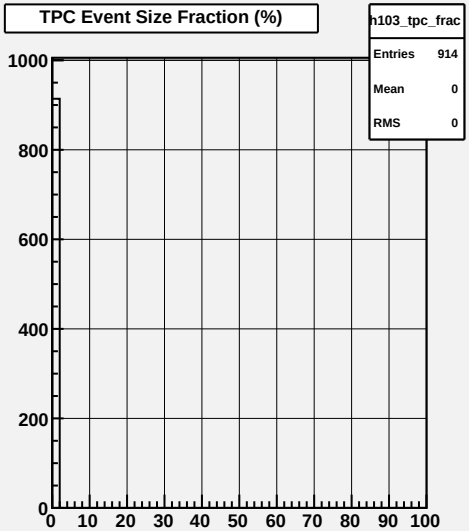


daq_h12_l3_evsize

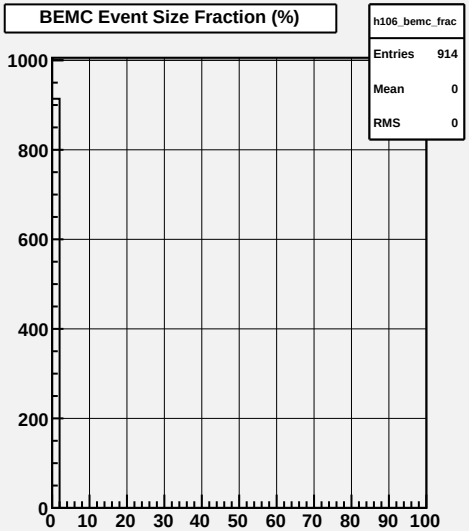
daq_h10_bemc_evsize

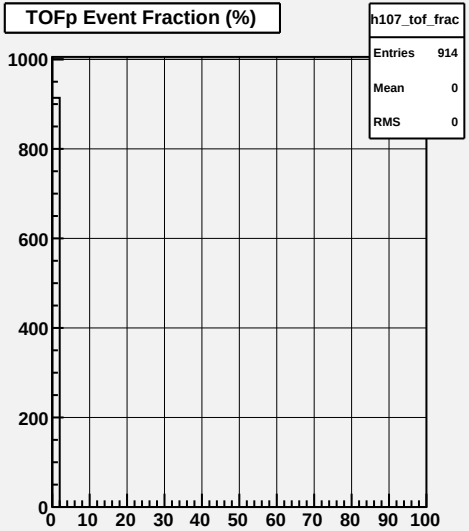
daq_h14_tof_evsize

daq_h11_ftp_evsize

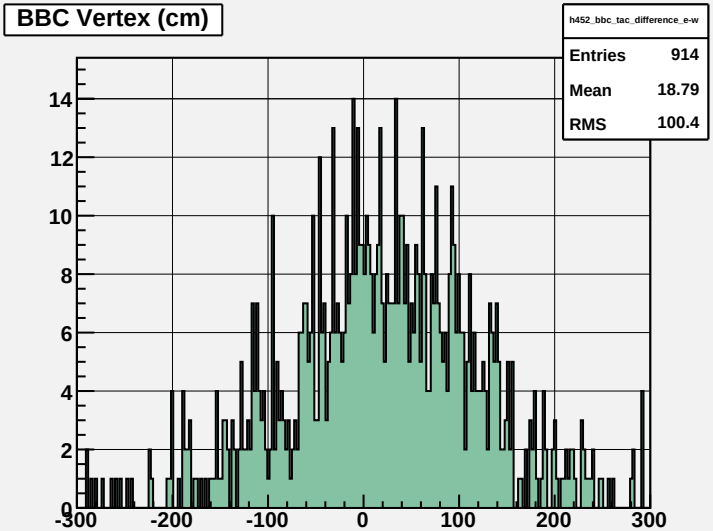


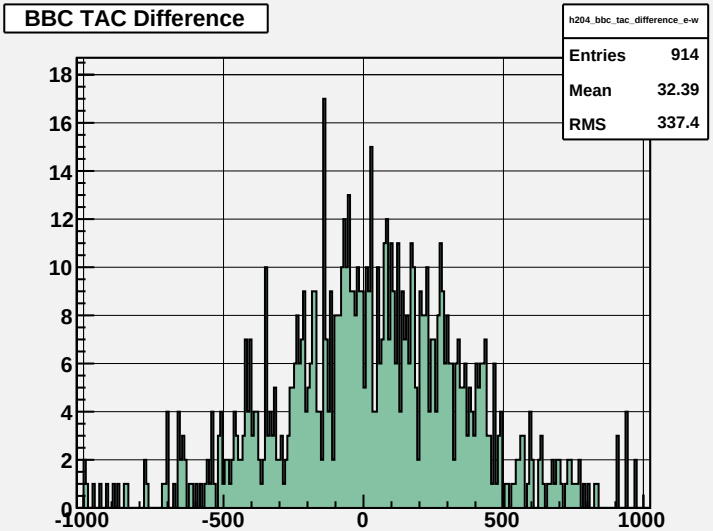
daq_h108_l3_frac

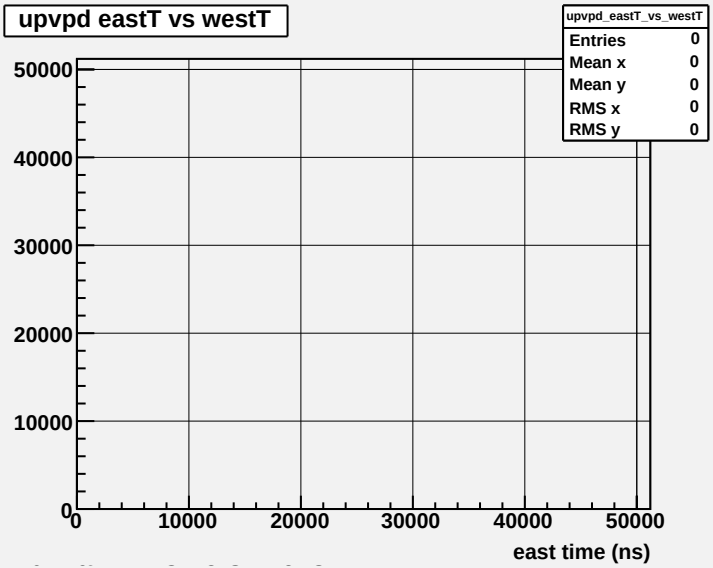


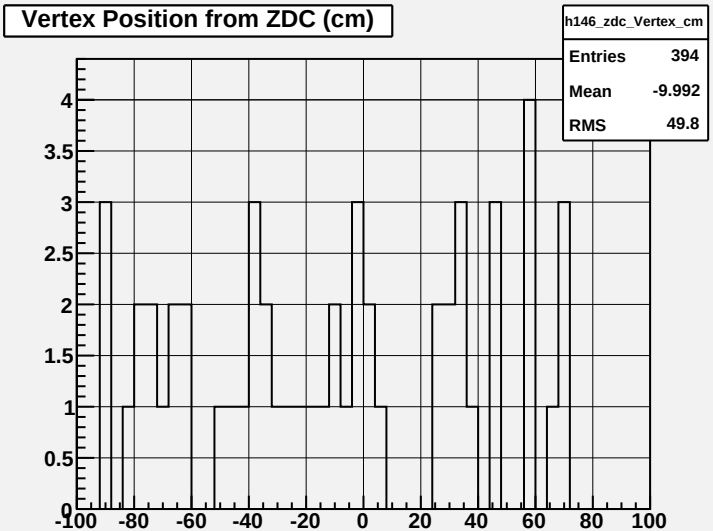


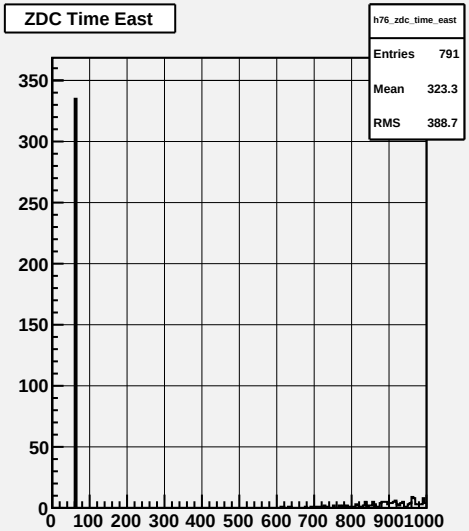
daq_h105_ftp_frac

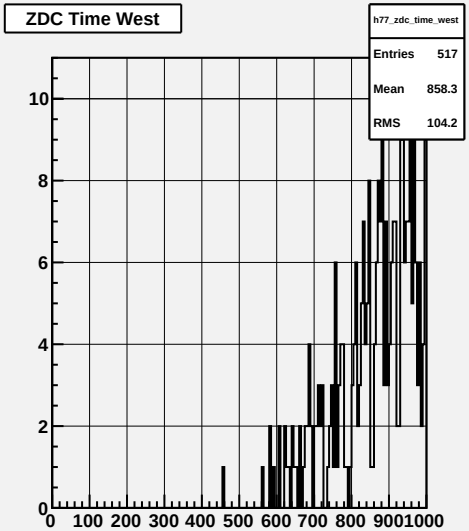

BBC Vertex (cm)
h452_bbc_tac_difference_e-w
Entries 914
Mean 18.79
RMS 100.4
0
2
4
6
8
10
12
14
-300
-200
-100
0
100
200
300

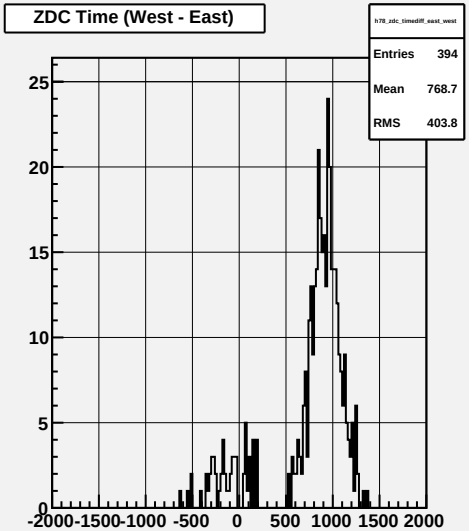

BBC TAC Difference
h204_bbc_tac_difference_e-w
Entries 914
Mean 32.39
RMS 337.4
0
2
4
6
8
10
12
14
16
18
-1000
-500
0
500
1000

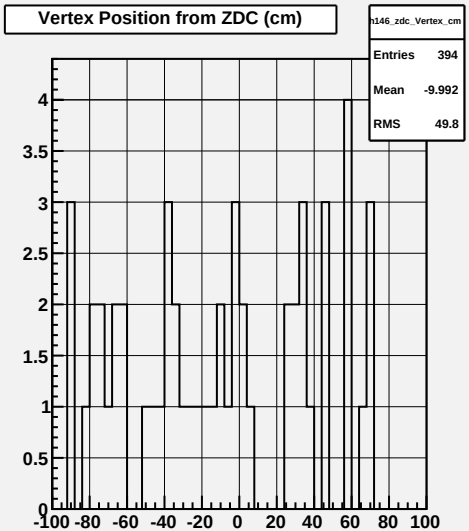

upvpd eastT vs westT
upvpd_eastT_vs_westT
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
0
10000
20000
30000
40000
50000
0
10000
20000
30000
40000
50000
east time (ns)

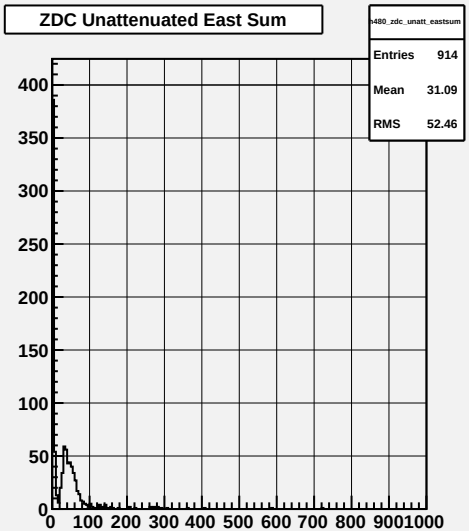

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 394
Mean -9.992
RMS 49.8
0
0.5
1
1.5
2
2.5
3
3.5
4
-100
-80
-60
-40
-20
0
20
40
60
80
100

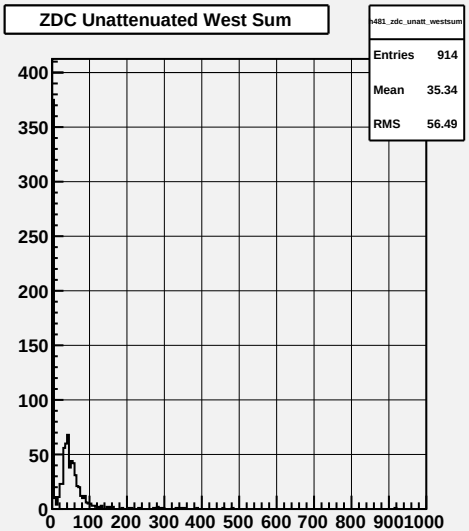

ZDC Time East
h76_zdc_time_east
Entries 791
Mean 323.3
RMS 388.7

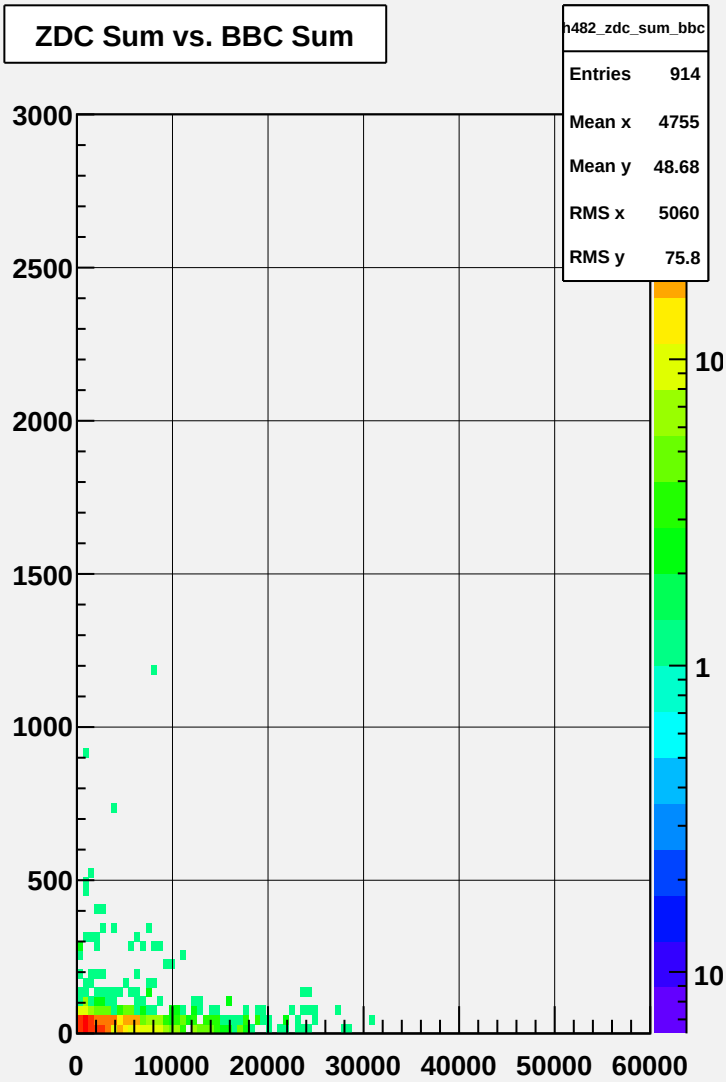

ZDC Time West
h77_zdc_time_west
Entries 517
Mean 858.3
RMS 104.2

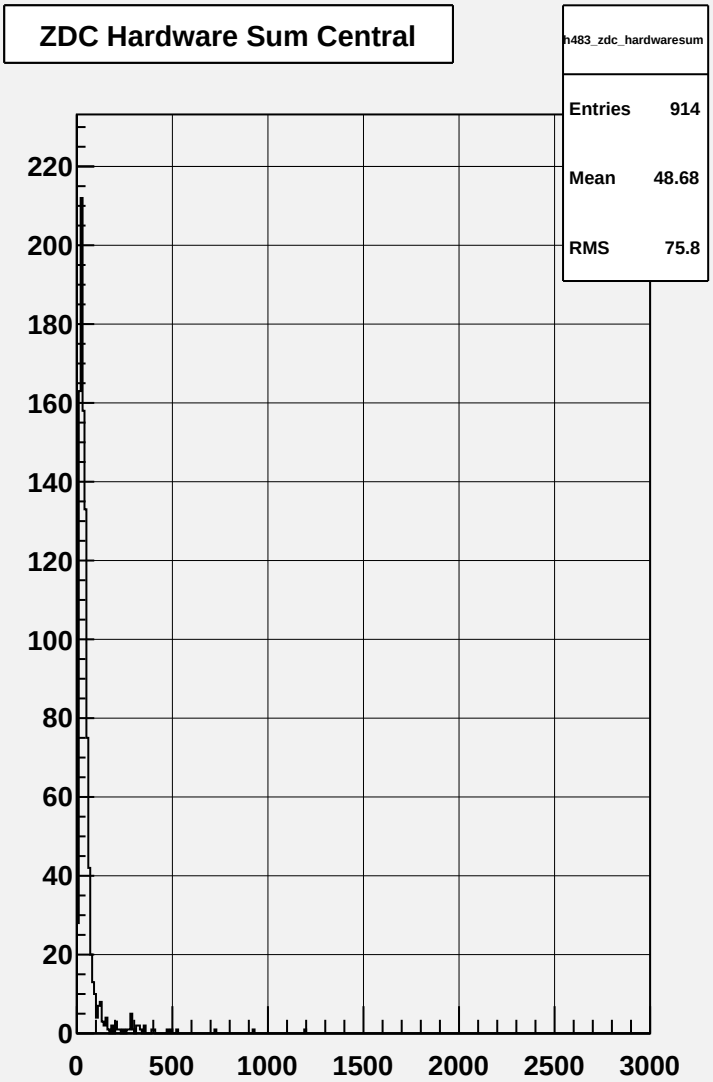

ZDC Time (West - East)
h78_zdc_timediff_east_west
Entries 394
Mean 768.7
RMS 403.8

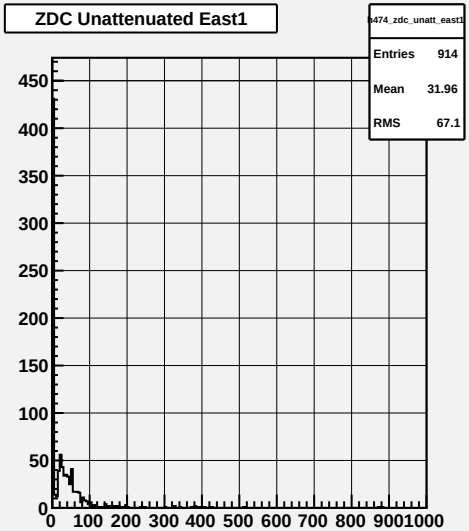

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 394
Mean -9.992
RMS 49.8

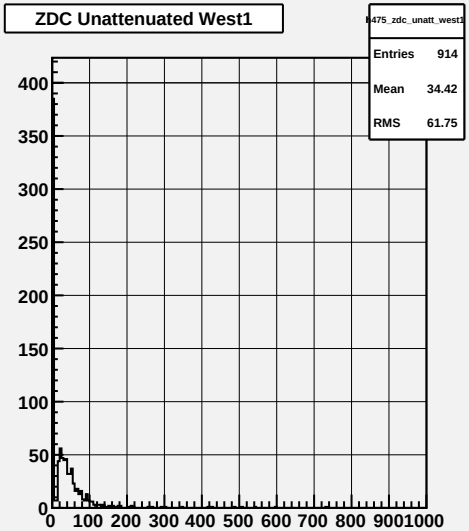

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 914
Mean 31.09
RMS 52.46

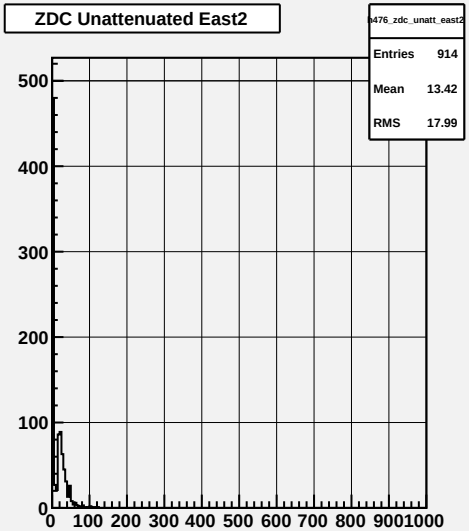

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 914
Mean 35.34
RMS 56.49

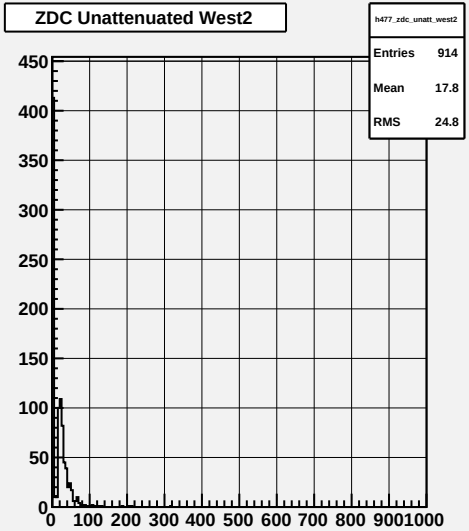

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 914
Mean x 4755
Mean y 48.68
RMS x 5060
RMS y 75.8
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
10
1
10

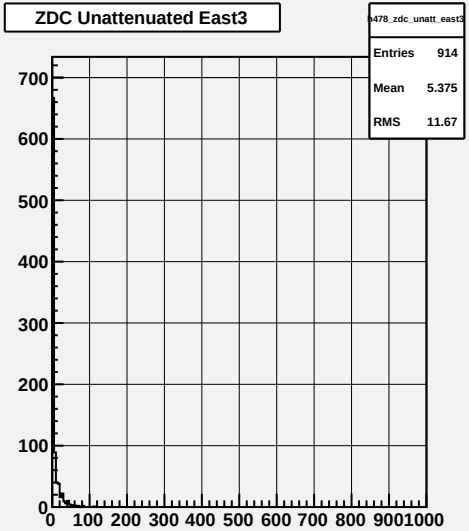

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 914
Mean 48.68
RMS 75.8
220
200
180
160
140
120
100
80
60
40
20
0
0
500
1000
1500
2000
2500
3000

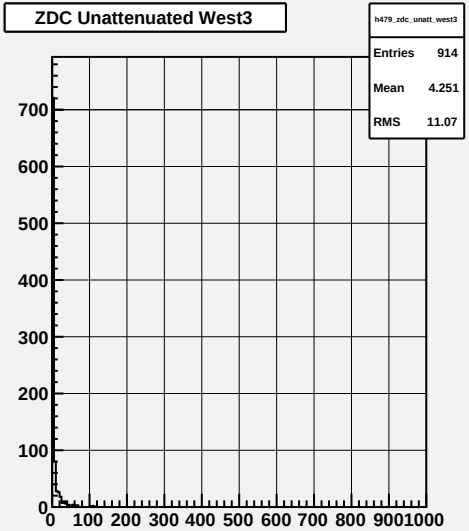

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 914
Mean 31.96
RMS 67.1

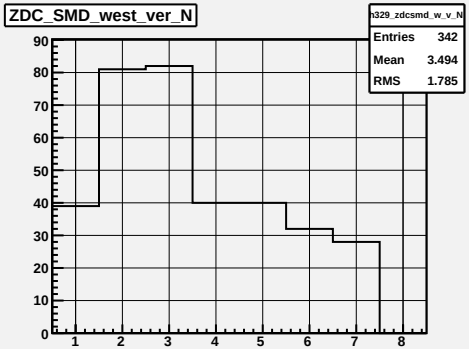

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 914
Mean 34.42
RMS 61.75

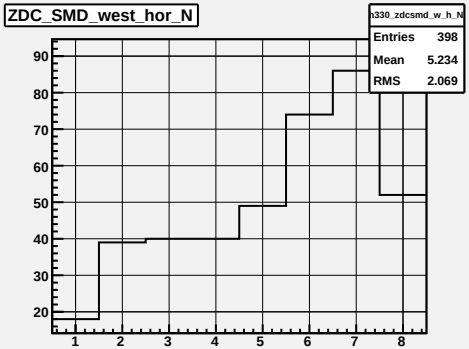

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 914
Mean 13.42
RMS 17.99

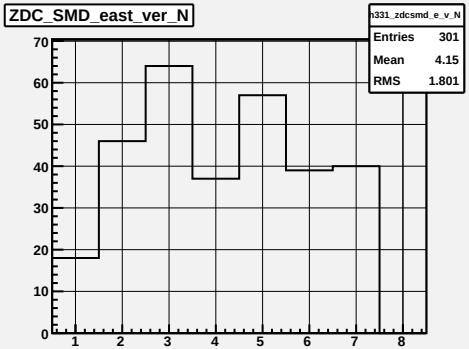

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 914
Mean 17.8
RMS 24.8

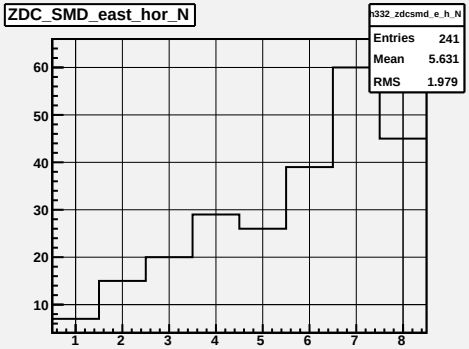

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 914
Mean 5.375
RMS 11.67

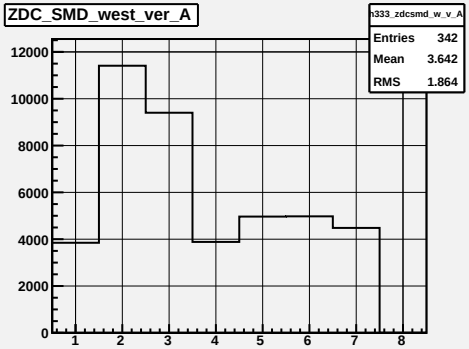

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 914
Mean 4.251
RMS 11.07

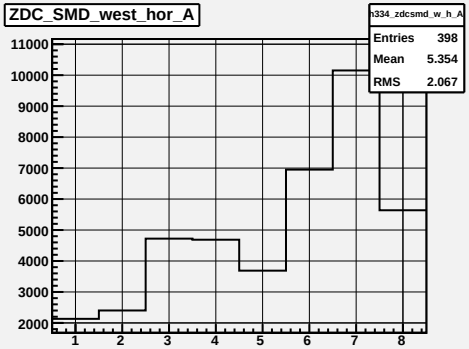

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 342
Mean 3.494
RMS 1.785

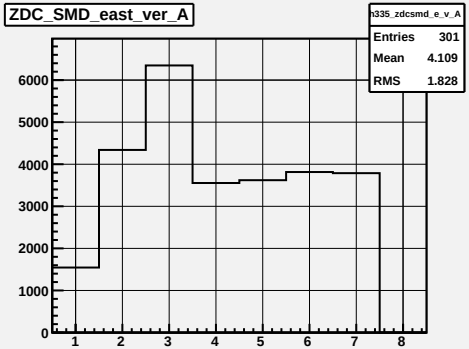

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 398
Mean 5.234
RMS 2.069

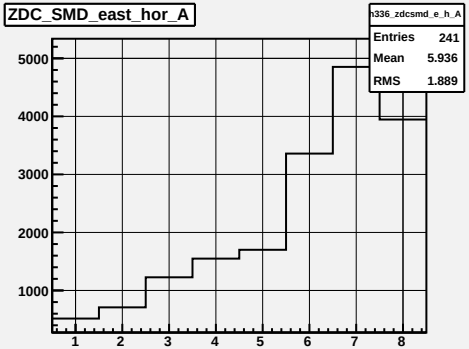

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 301
Mean 4.15
RMS 1.801

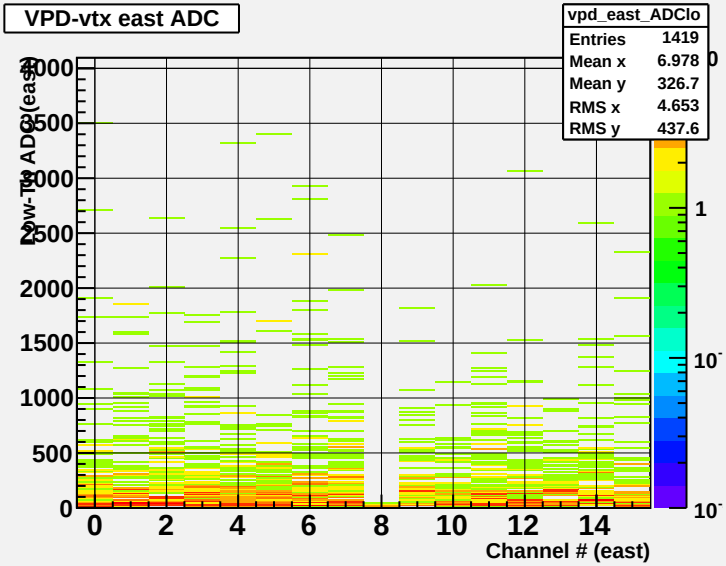

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 241
Mean 5.631
RMS 1.979

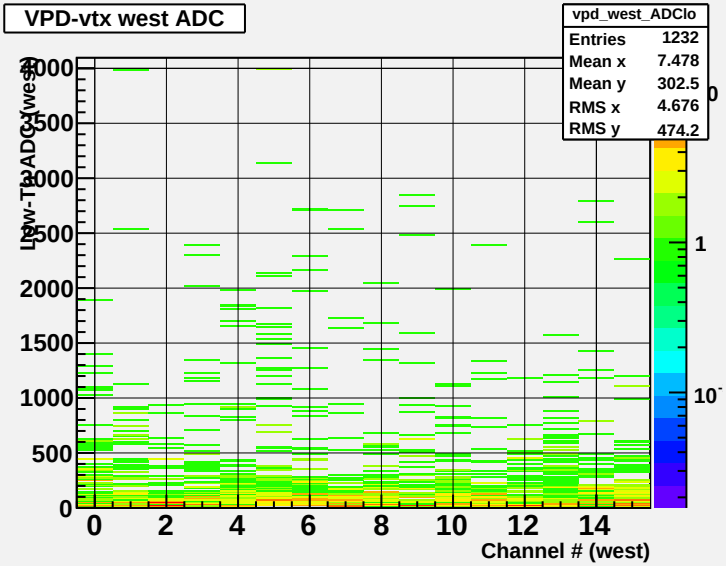

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 342
Mean 3.642
RMS 1.864

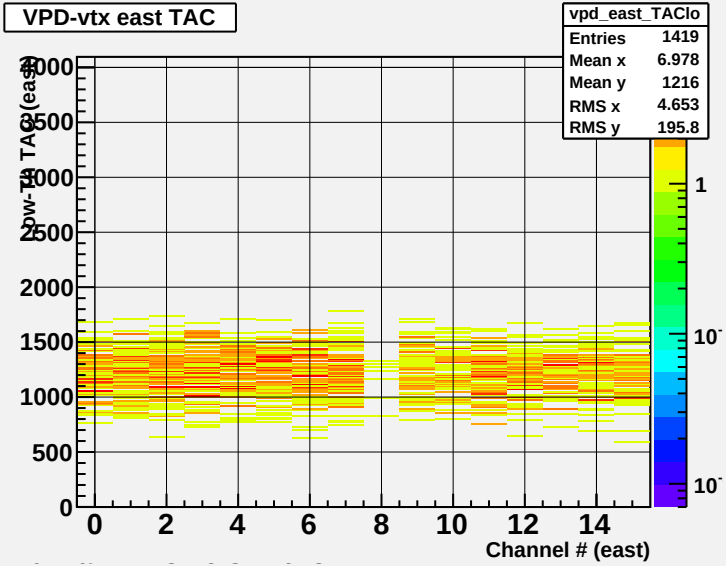

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 398
Mean 5.354
RMS 2.067

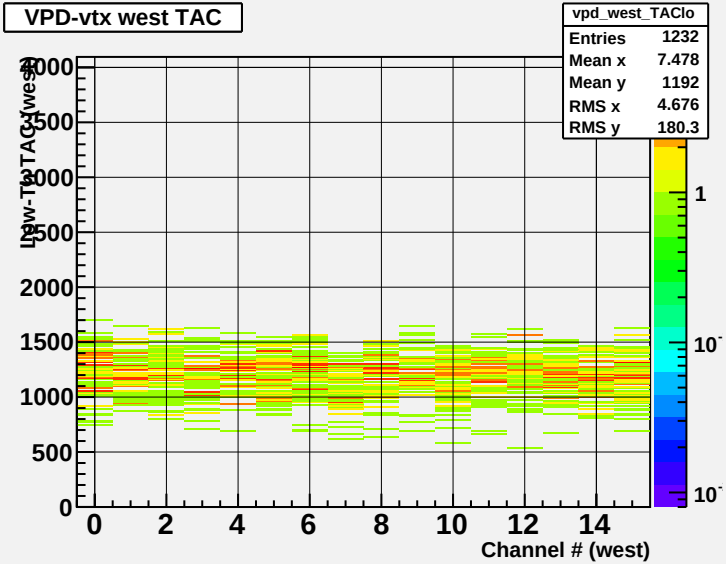

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 301
Mean 4.109
RMS 1.828

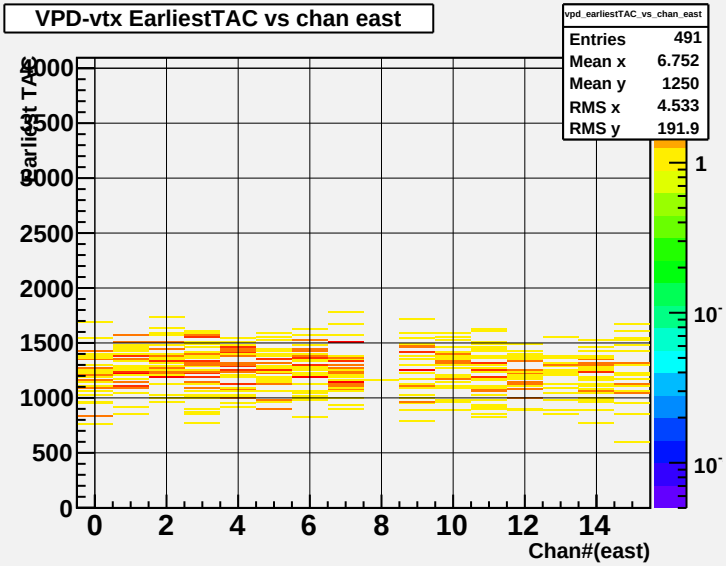

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 241
Mean 5.936
RMS 1.889

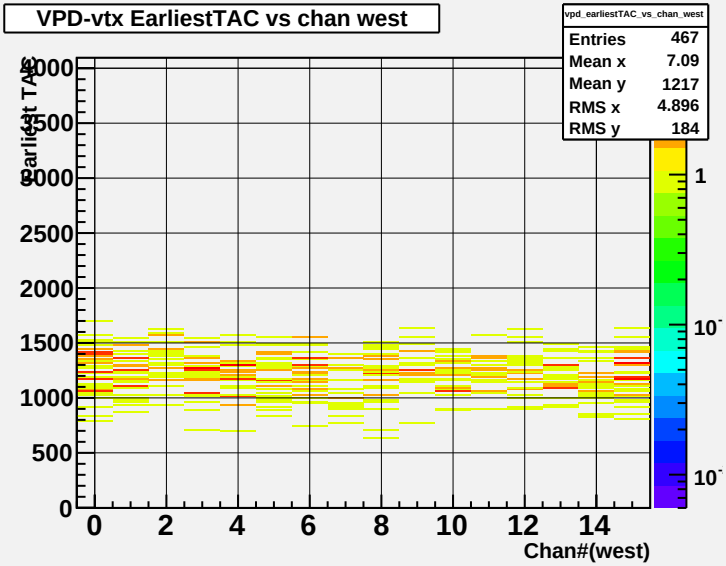

VPD-vtx east ADC
vpd_east_ADClo
Entries 1419
Mean x 6.978
Mean y 326.7
RMS x 4.653
RMS y 437.6
Low-Tu ADC (east)
Channel # (east)

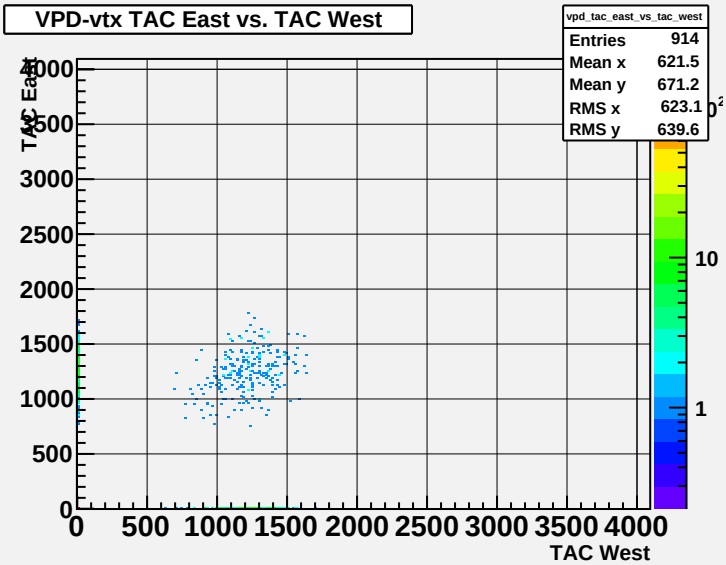

VPD-vtx west ADC
vpd_west_ADClo
Entries 1232
Mean x 7.478
Mean y 302.5
RMS x 4.676
RMS y 474.2
Low-Tu ADC (west)
Channel # (west)

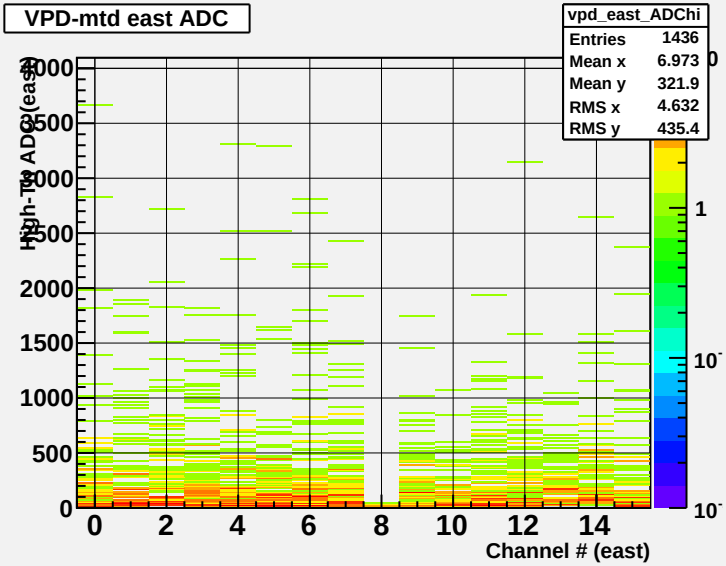

VPD-vtx east TAC
vpd_east_TAClo
Entries 1419
Mean x 6.978
Mean y 1216
RMS x 4.653
RMS y 195.8
Low-Tu TAC (east)
Channel # (east)

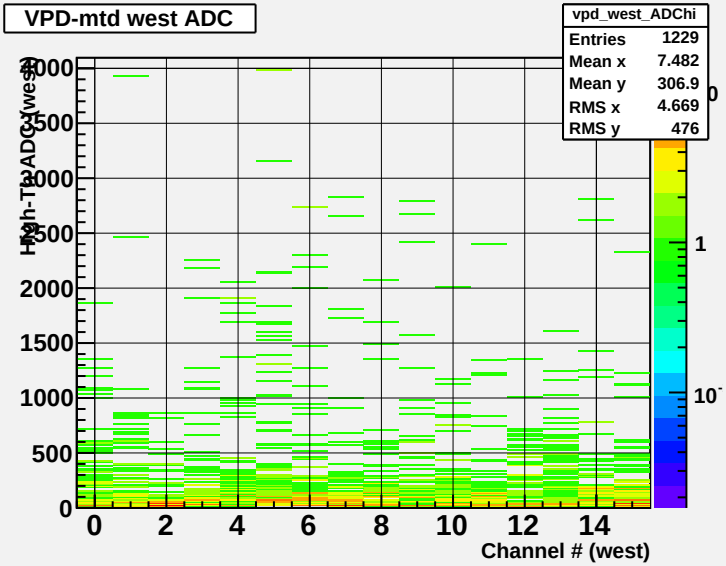

VPD-vtx west TAC
vpd_west_TAClo
Entries 1232
Mean x 7.478
Mean y 1192
RMS x 4.676
RMS y 180.3
Low-Tu TAC (west)
Channel # (west)

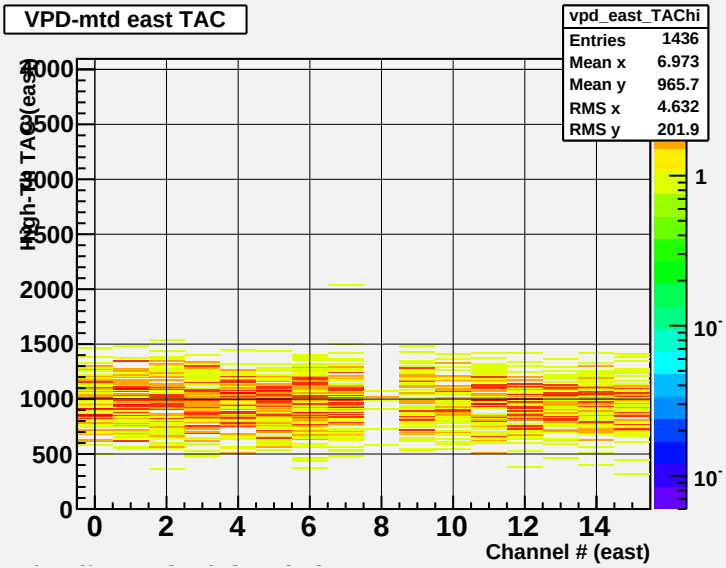

VPD-vtx EarliestTAC vs chan east
vpd_earliestTAC_vs_chan_east
Entries 491
Mean x 6.752
Mean y 1250
RMS x 4.533
RMS y 191.9
Earliest TAC
Chan#(east)

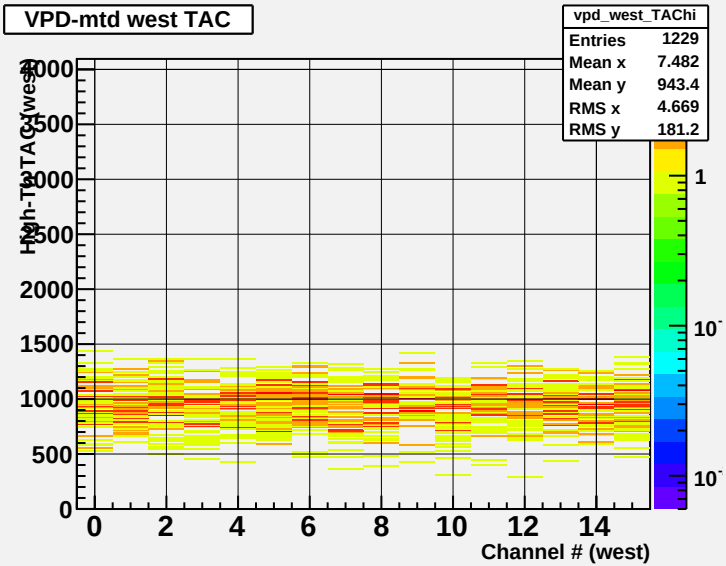

VPD-vtx EarliestTAC vs chan west
vpd_earliestTAC_vs_chan_west
Entries 467
Mean x 7.09
Mean y 1217
RMS x 4.896
RMS y 184
Earliest TAC
Chan#(west)

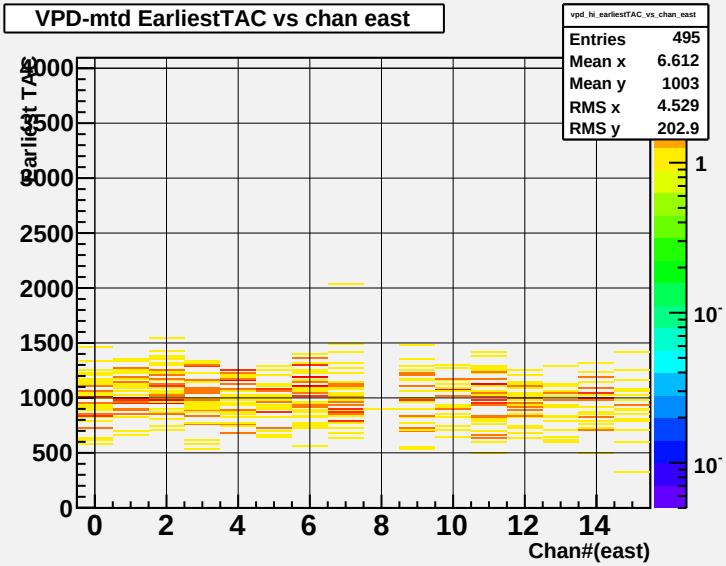

VPD-vtx TAC East vs. TAC West
vpd_tac_east_vs_tac_west
Entries 914
Mean x 621.5
Mean y 671.2
RMS x 623.1
RMS y 639.6
TAC East
TAC West

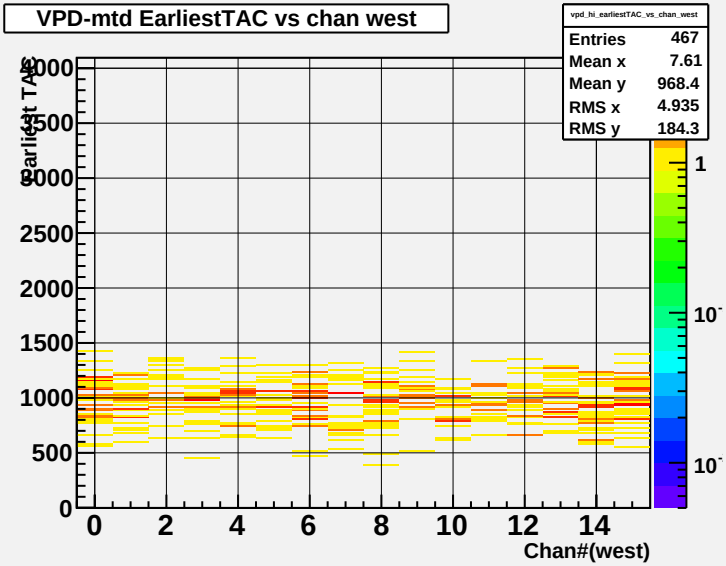

VPD-mtd east ADC
vpd_east_ADChi
Entries 1436
Mean x 6.973
Mean y 321.9
RMS x 4.632
RMS y 435.4
High-Tu ADC (east)
Channel # (east)

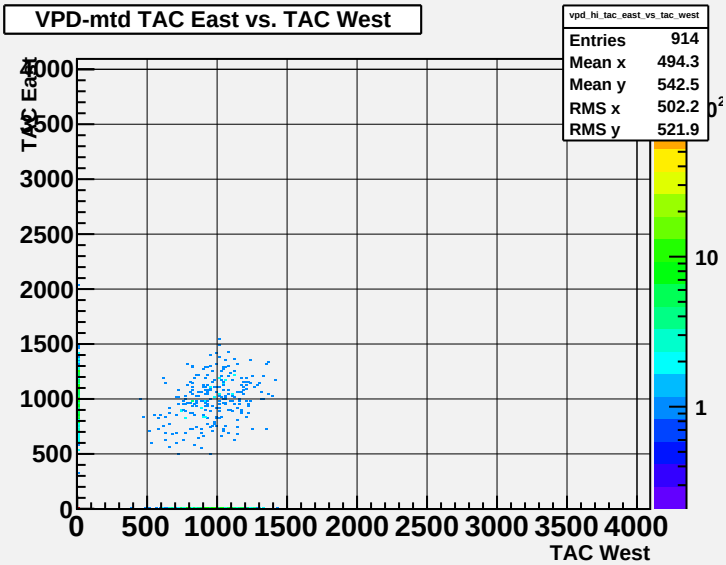

VPD-mtd west ADC
vpd_west_ADChi
Entries 1229
Mean x 7.482
Mean y 306.9
RMS x 4.669
RMS y 476
High-Tu ADC (west)
Channel # (west)

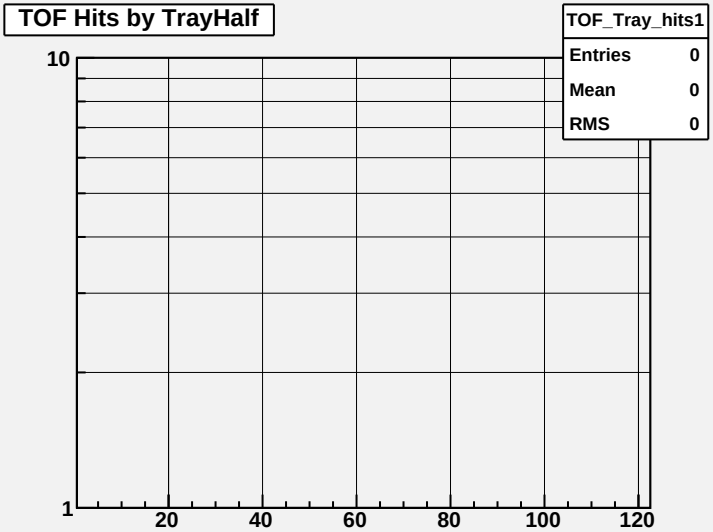

VPD-mtd east TAC
vpd_east_TAChi
Entries 1436
Mean x 6.973
Mean y 965.7
RMS x 4.632
RMS y 201.9
High-Tu TAC (east)
Channel # (east)

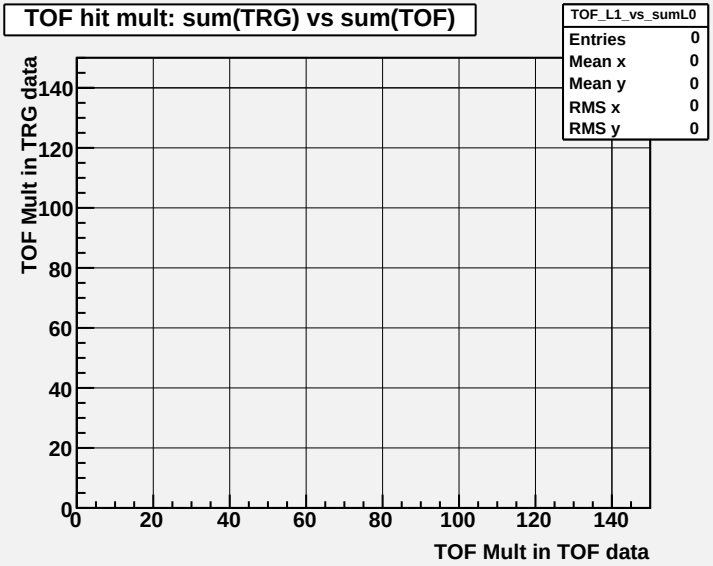

VPD-mtd west TAC
vpd_west_TAChi
Entries 1229
Mean x 7.482
Mean y 943.4
RMS x 4.669
RMS y 181.2
High-Tu TAC (west)
Channel # (west)

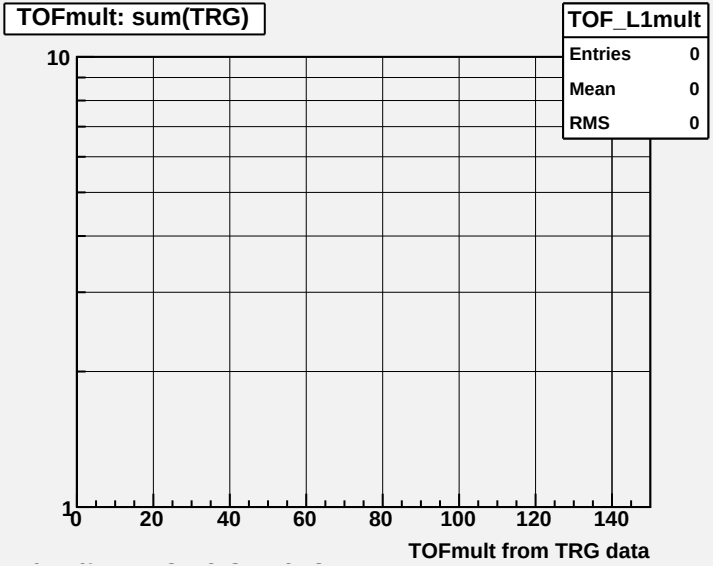

VPD-mtd EarliestTAC vs chan east
vpd_hi_earliestTAC_vs_chan_east
Entries 495
Mean x 6.612
Mean y 1003
RMS x 4.529
RMS y 202.9
Earliest TAC
Chan#(east)

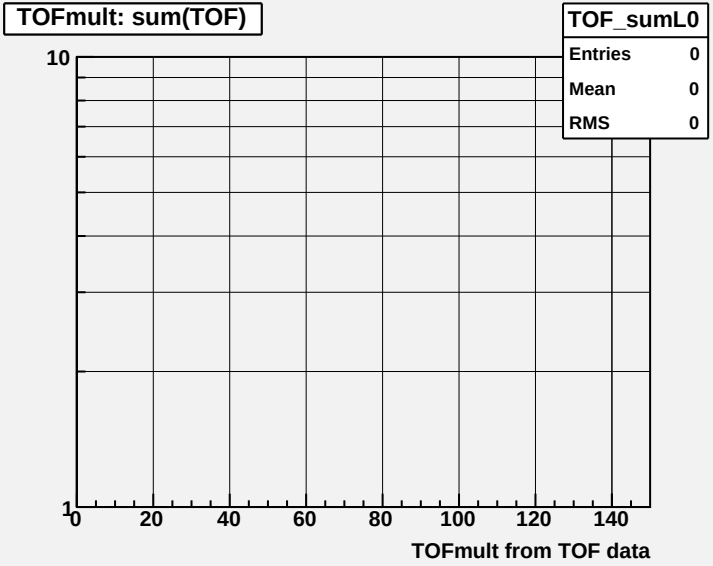

VPD-mtd EarliestTAC vs chan west
vpd_hi_earliestTAC_vs_chan_west
Entries 467
Mean x 7.61
Mean y 968.4
RMS x 4.935
RMS y 184.3
Earliest TAC
Chan#(west)

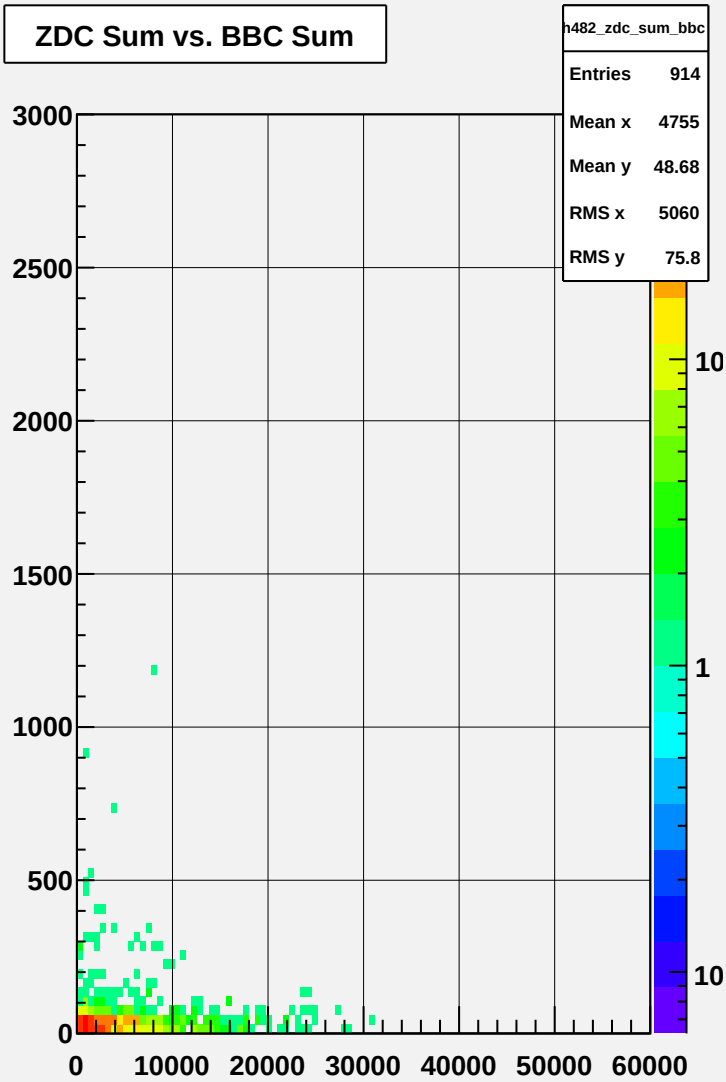

VPD-mtd TAC East vs. TAC West
vpd_hi_tac_east_vs_tac_west
Entries 914
Mean x 494.3
Mean y 542.5
RMS x 502.2
RMS y 521.9
TAC East
TAC West

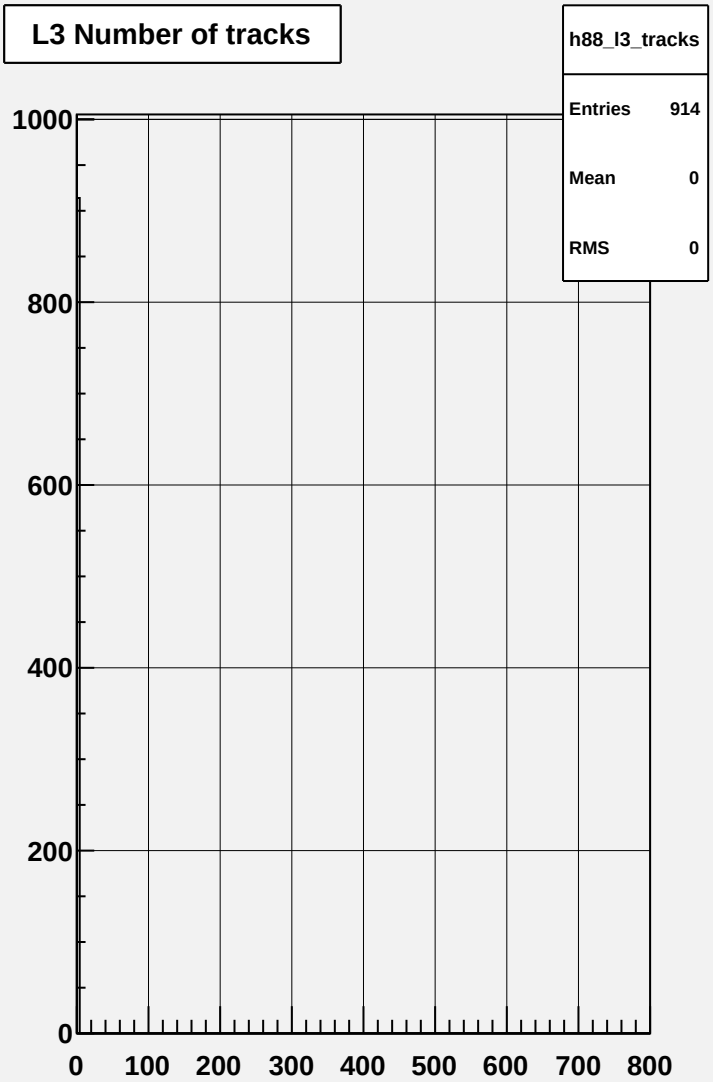

TOF Hits by TrayHalf
TOF_Tray_hits1
Entries 0
Mean 0
RMS 0
10
1
20
40
60
80
100
120

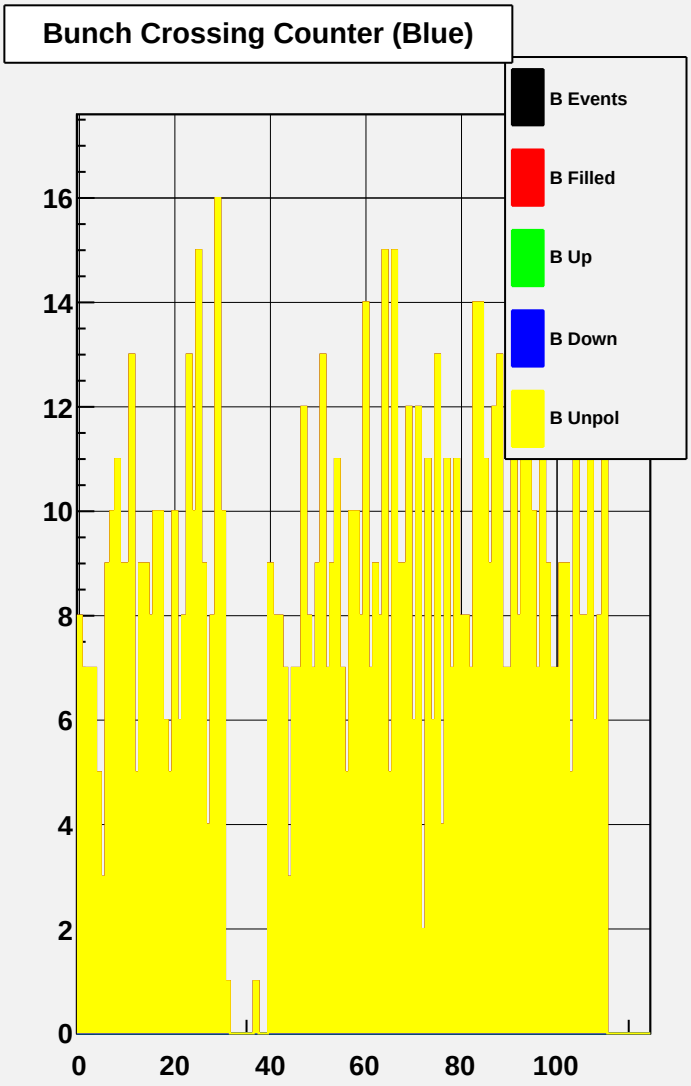

TOF hit mult: sum(TRG) vs sum(TOF)
TOF_L1_vs_sumL0
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
TOF Mult in TRG data
0
20
40
60
80
100
120
140
TOF Mult in TOF data

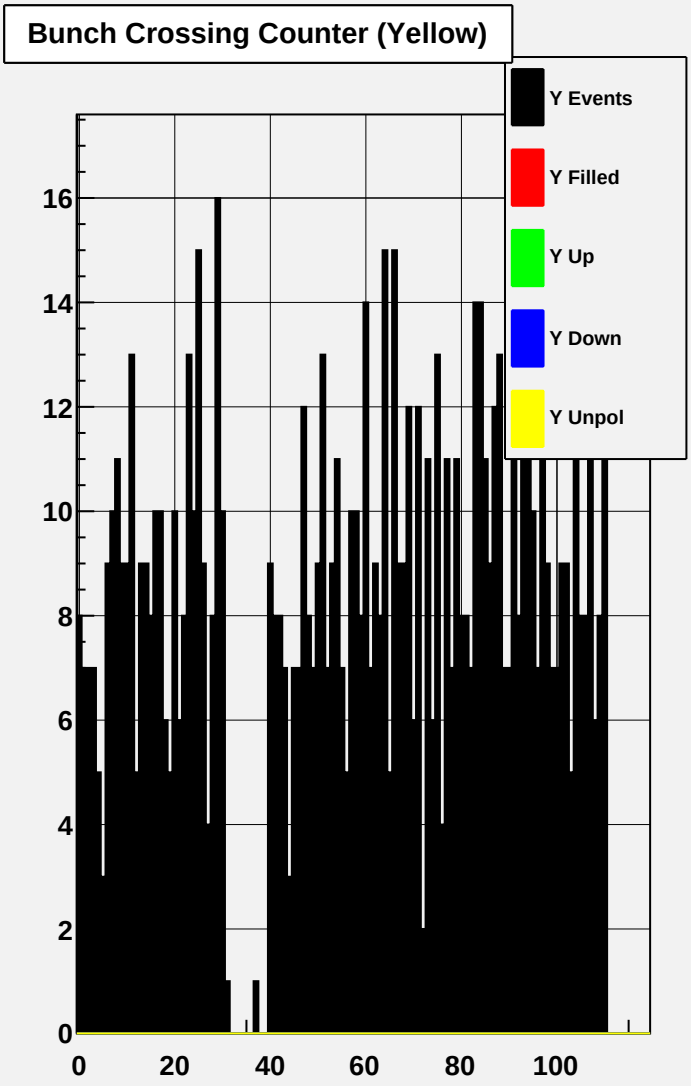

TOFmult: sum(TRG)
TOF_L1mult
Entries 0
Mean 0
RMS 0
10
1
0
20
40
60
80
100
120
140
TOFmult from TRG data

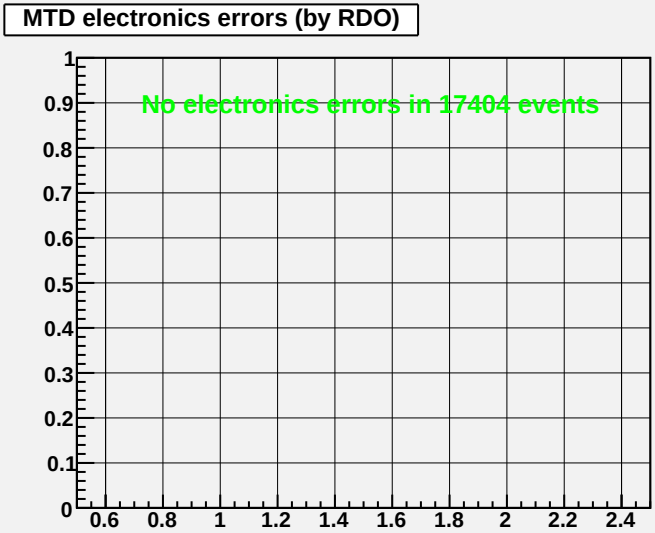

TOFmult: sum(TOF)
TOF_sumL0
Entries 0
Mean 0
RMS 0
10
1
0
20
40
60
80
100
120
140
TOFmult from TOF data

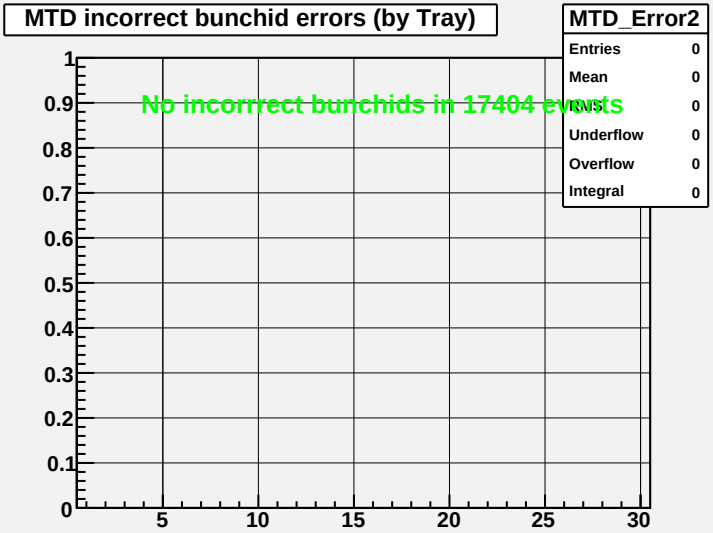

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 914
Mean x 4755
Mean y 48.68
RMS x 5060
RMS y 75.8
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
10
1
10

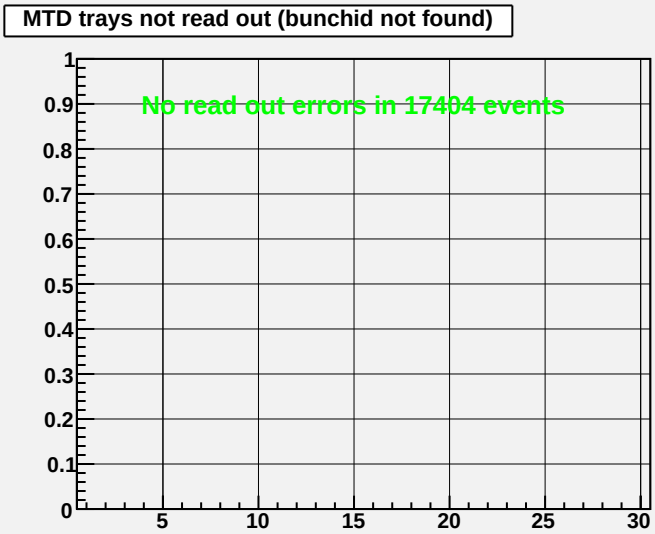

L3 Number of tracks
h88_l3_tracks
Entries 914
Mean 0
RMS 0
1000
800
600
400
200
0
0
100
200
300
400
500
600
700
800

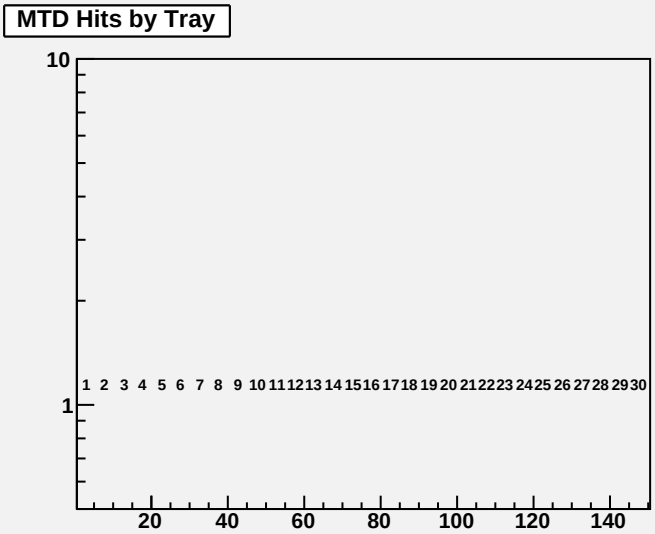

Bunch Crossing Counter (Blue)
B Events
B Filled
B Up
B Down
B Unpol
0
2
4
6
8
10
12
14
16
0
20
40
60
80
100


Bunch Crossing Counter (Yellow)
Y Events
Y Filled
Y Up
Y Down
Y Unpol
0
2
4
6
8
10
12
14
16
0
20
40
60
80
100

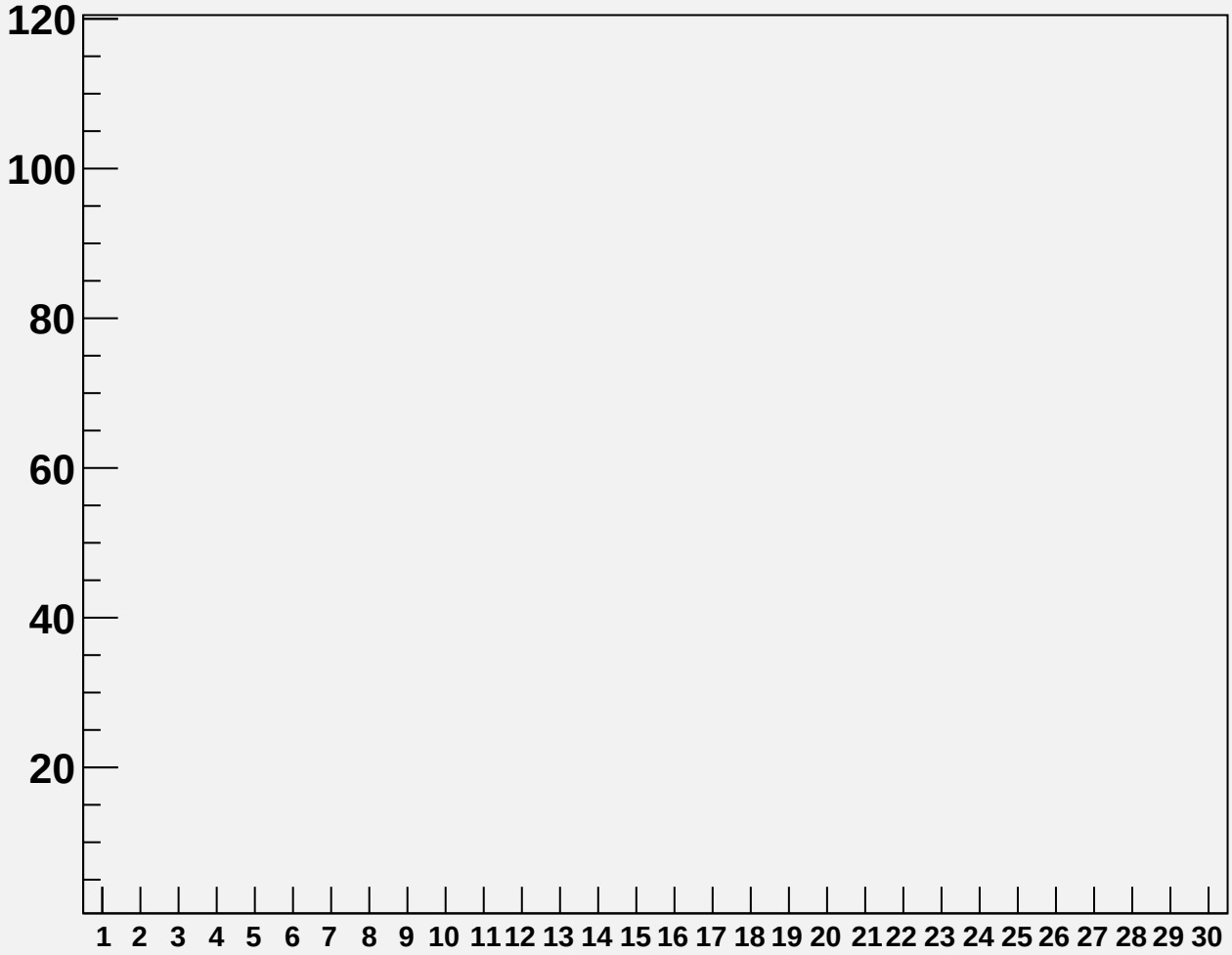

MTD electronics errors (by RDO)
No electronics errors in 17404 events

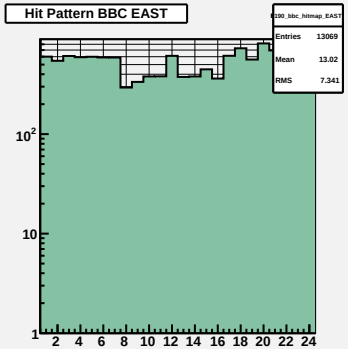

MTD incorrect bunchid errors (by Tray)
No incorrect bunchids in 17404 events
MTD_Error2
Entries 0
Mean 0
RMS 0
Underflow 0
Overflow 0
Integral 0

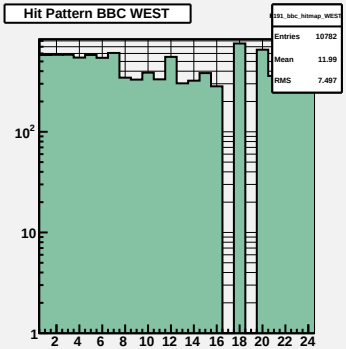

MTD trays not read out (bunchid not found)
No read out errors in 17404 events

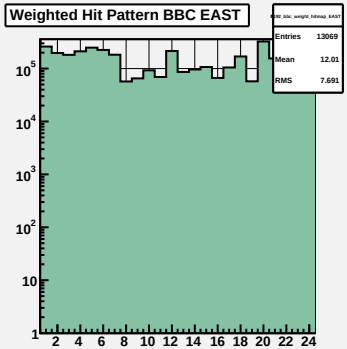

MTD Hits by Tray

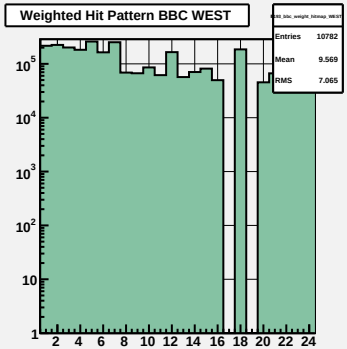
MTD strips vs BL

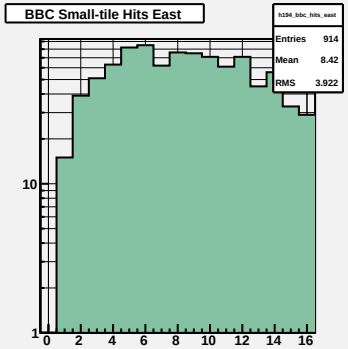


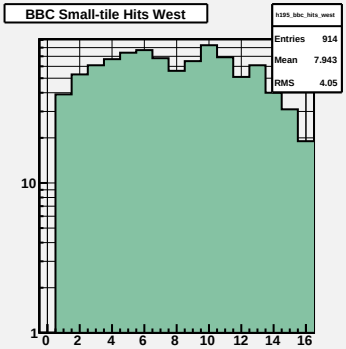

Hit Pattern BBC EAST
h190_bbc_hitmap_EAST
Entries 13069
Mean 13.02
RMS 7.341

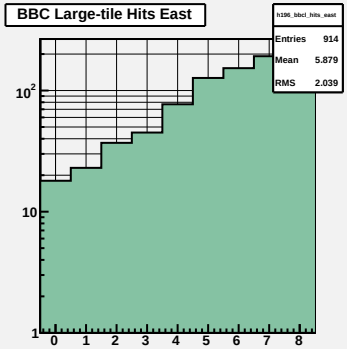

Hit Pattern BBC WEST
h191_bbc_hitmap_WEST
Entries 10782
Mean 11.99
RMS 7.497

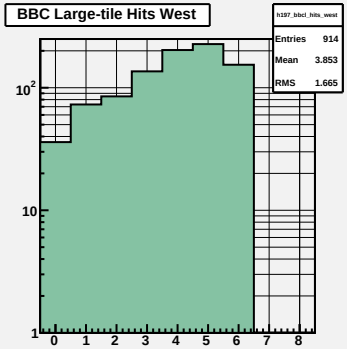

Weighted Hit Pattern BBC EAST
h198_bbc_weight_hitmap_EAST
Entries 13069
Mean 12.01
RMS 7.691

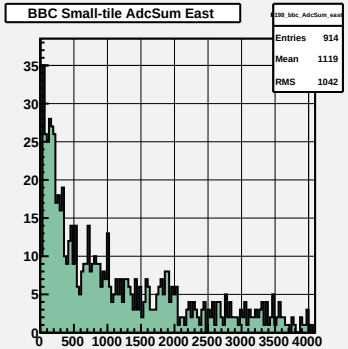

Weighted Hit Pattern BBC WEST
h199_bbc_weight_hitmap_WEST
Entries 10782
Mean 9.569
RMS 7.065

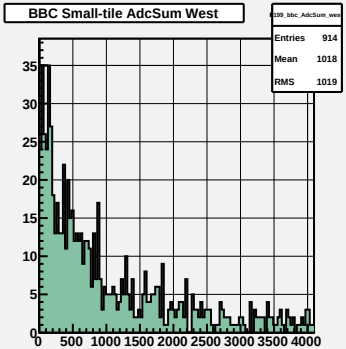

BBC Small-tile Hits East
h194_bbc_hits_east
Entries 914
Mean 8.42
RMS 3.922

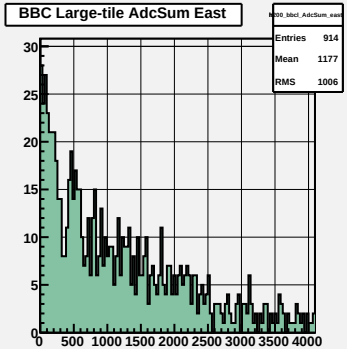

BBC Small-tile Hits West
h195_bbc_hits_west
Entries 914
Mean 7.943
RMS 4.05

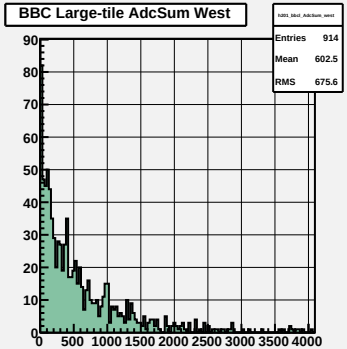

BBC Large-tile Hits East
h196_bbcl_hits_east
Entries 914
Mean 5.879
RMS 2.039

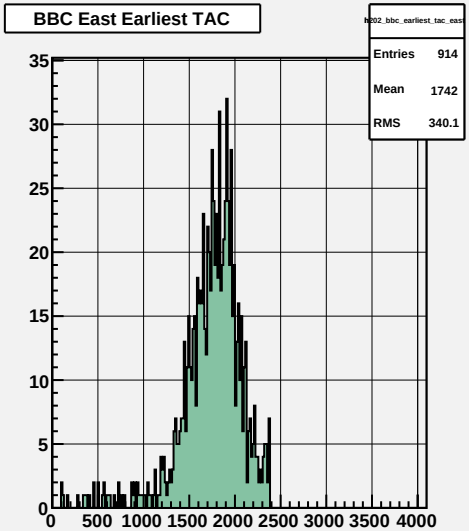

BBC Large-tile Hits West
h197_bbcl_hits_west
Entries 914
Mean 3.853
RMS 1.665

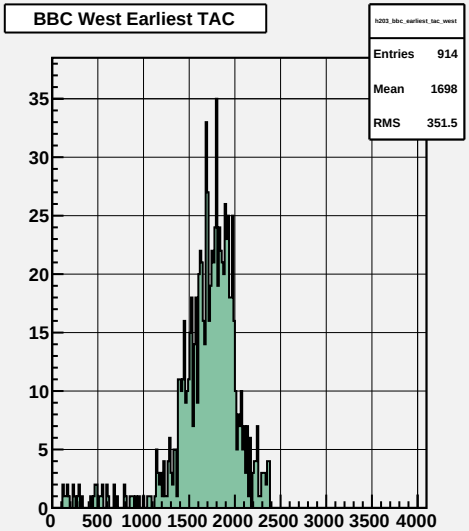

BBC Small-tile AdcSum East
h198_bbc_AdcSum_east
Entries 914
Mean 1119
RMS 1042

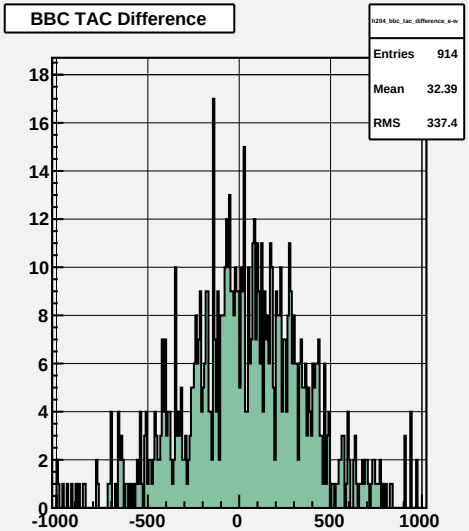

BBC Small-tile AdcSum West
h199_bbc_AdcSum_west
Entries 914
Mean 1018
RMS 1019

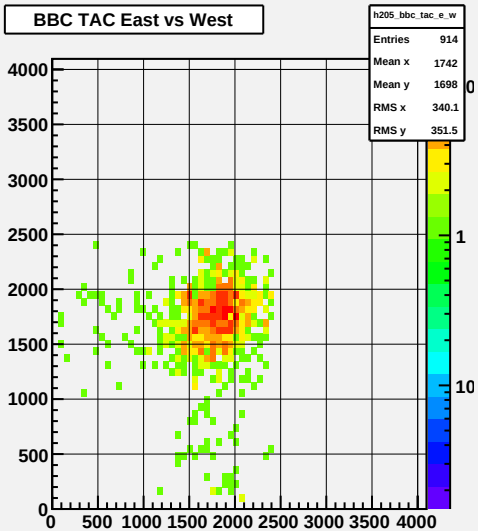

BBC Large-tile AdcSum East
h200_bbcl_AdcSum_east
Entries 914
Mean 1177
RMS 1006

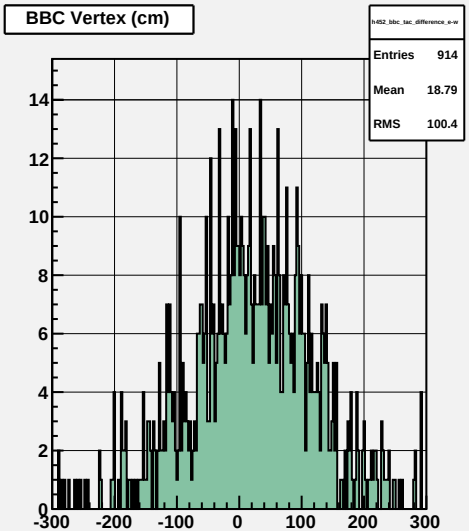

BBC Large-tile AdcSum West
h201_bbcl_AdcSum_west
Entries 914
Mean 602.5
RMS 675.6

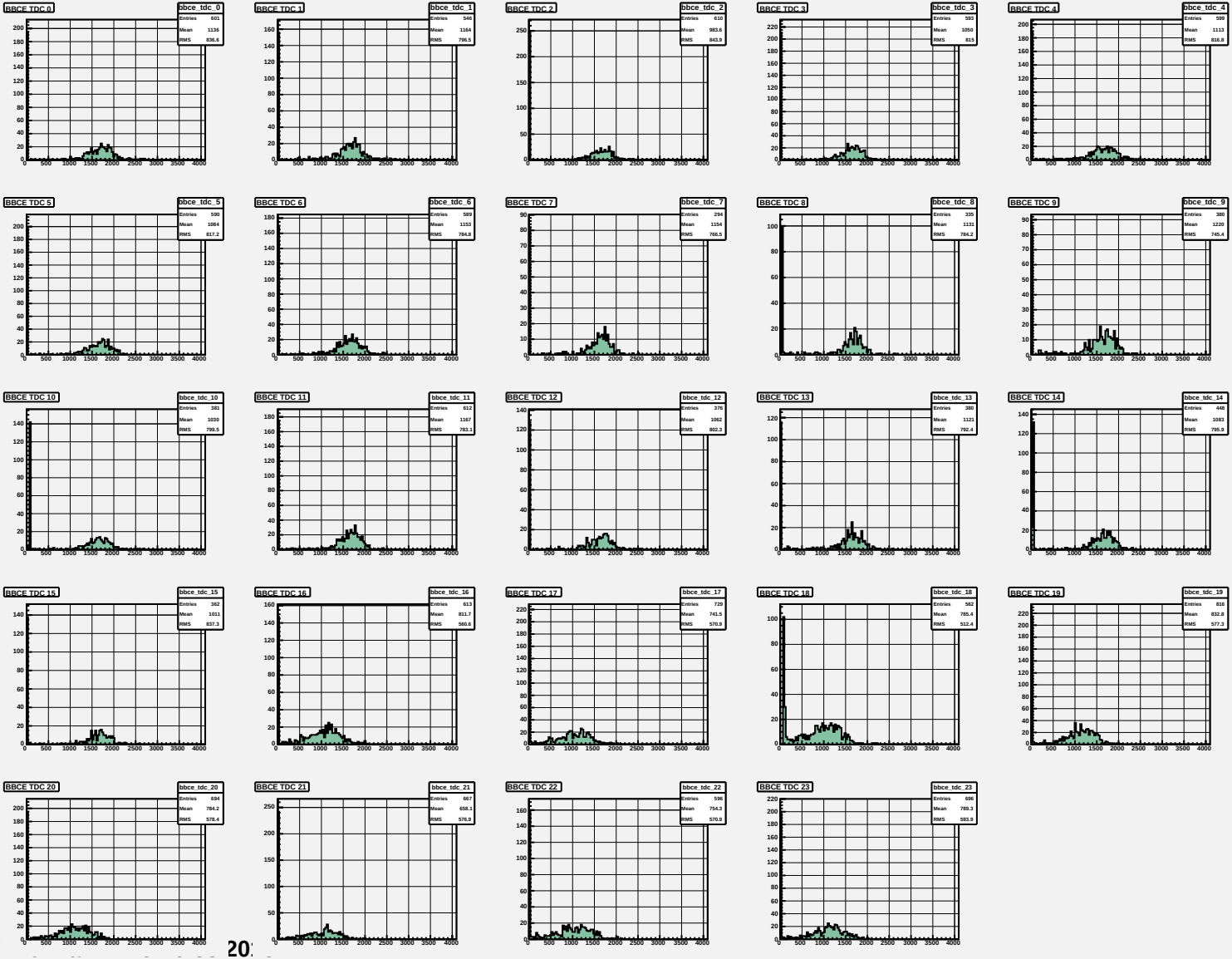

BBC East Earliest TAC
h202_bbc_earliest_tac_east
Entries 914
Mean 1742
RMS 340.1

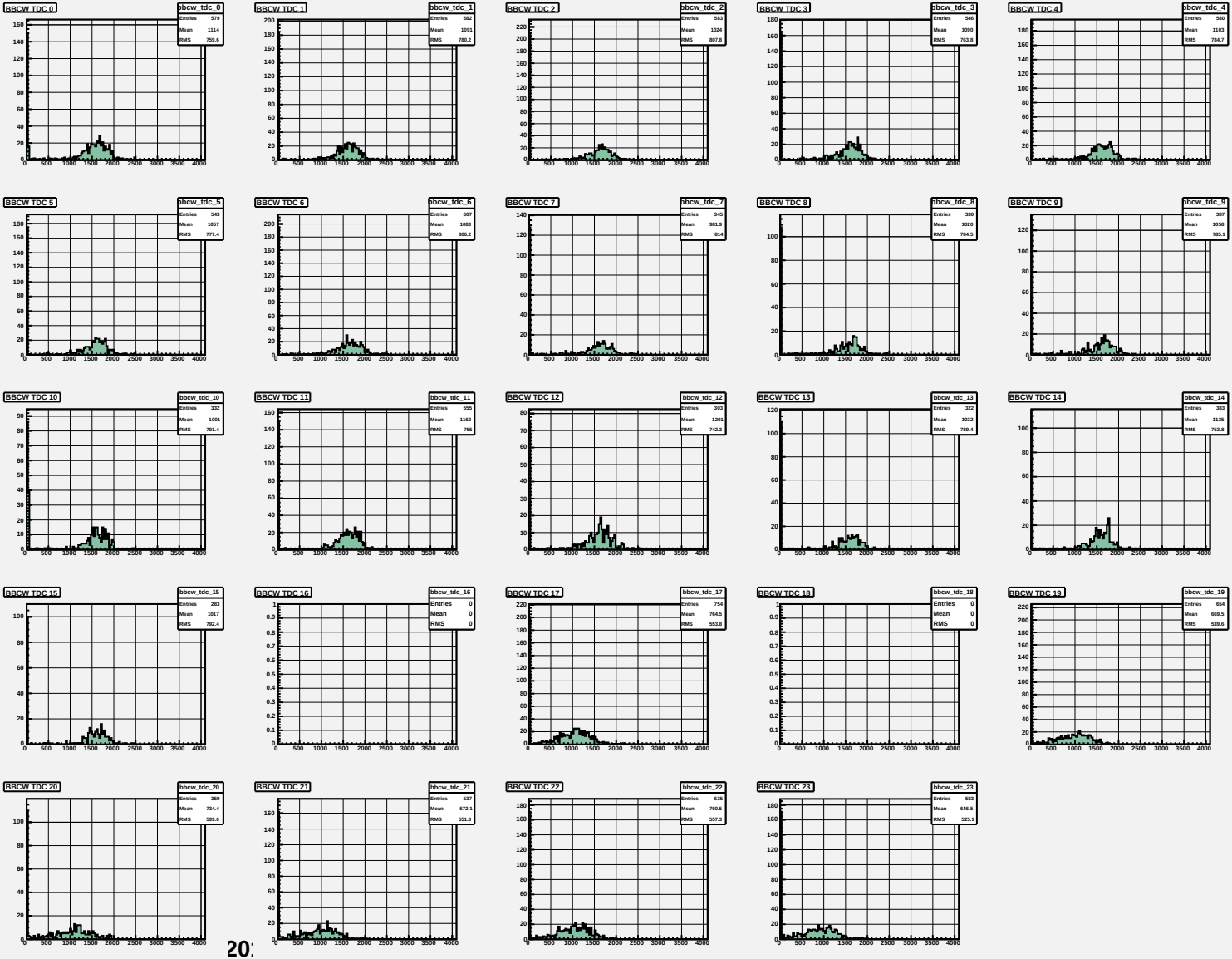

BBC West Earliest TAC
h203_bbc_earliest_tac_west
Entries 914
Mean 1698
RMS 351.5

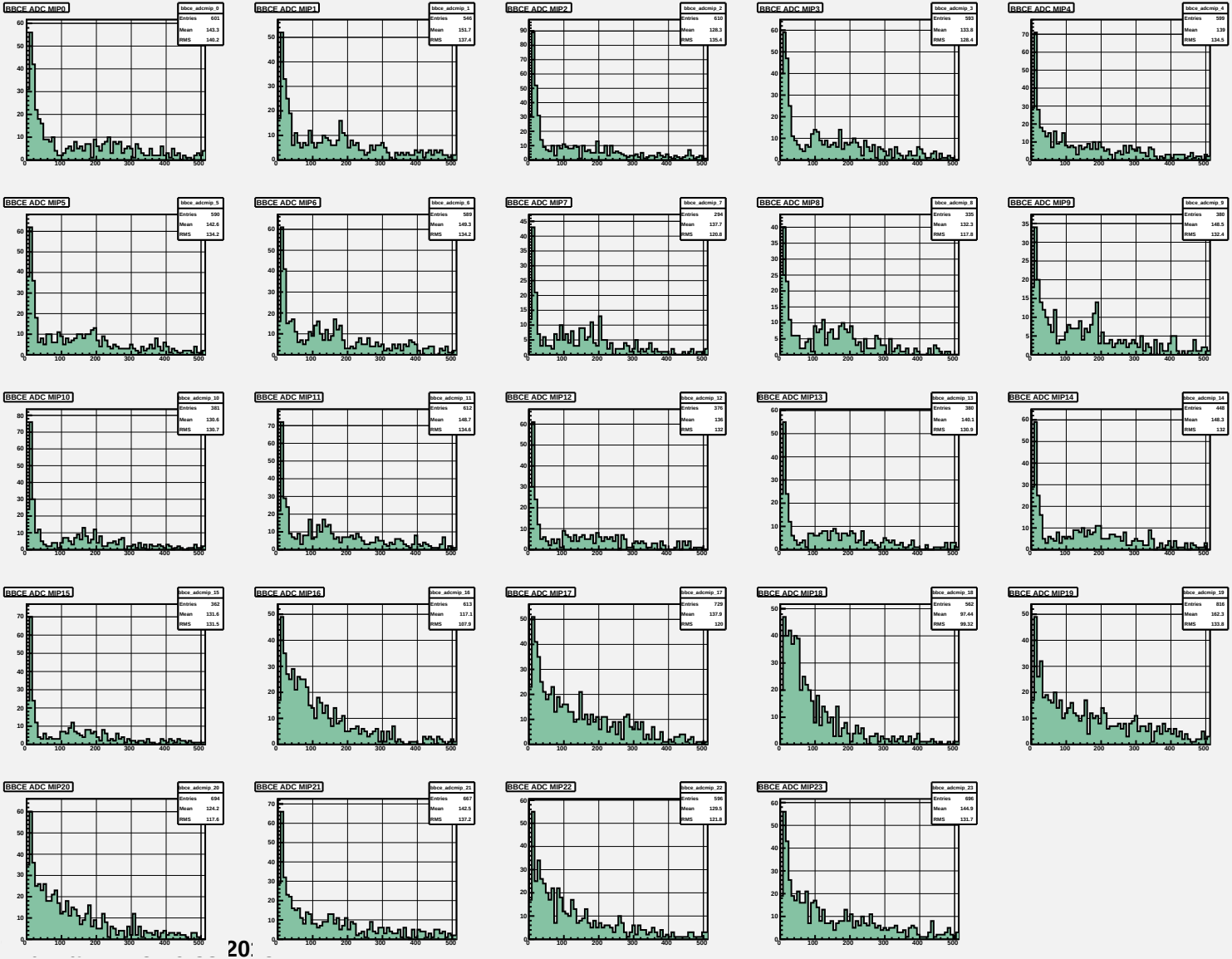

BBC TAC Difference
h204_bbc_tac_difference_e-w
Entries 914
Mean 32.39
RMS 337.4

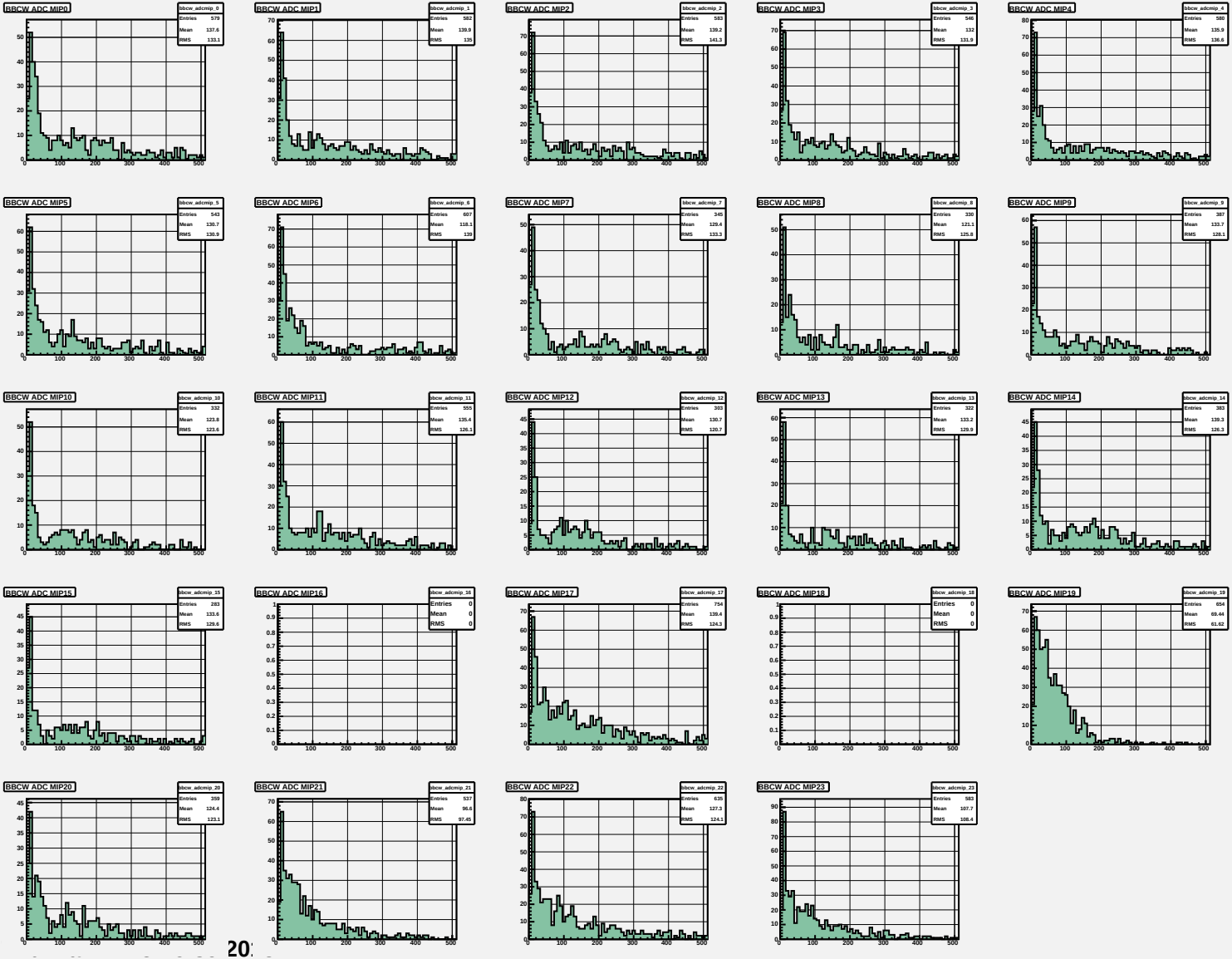

BBC TAC East vs West
h205_bbc_tac_e_w
Entries 914
Mean x 1742
Mean y 1698
RMS x 340.1
RMS y 351.5


BBC Vertex (cm)
h452_bbc_tac_difference_e-w
Entries 914
Mean 18.79
RMS 100.4

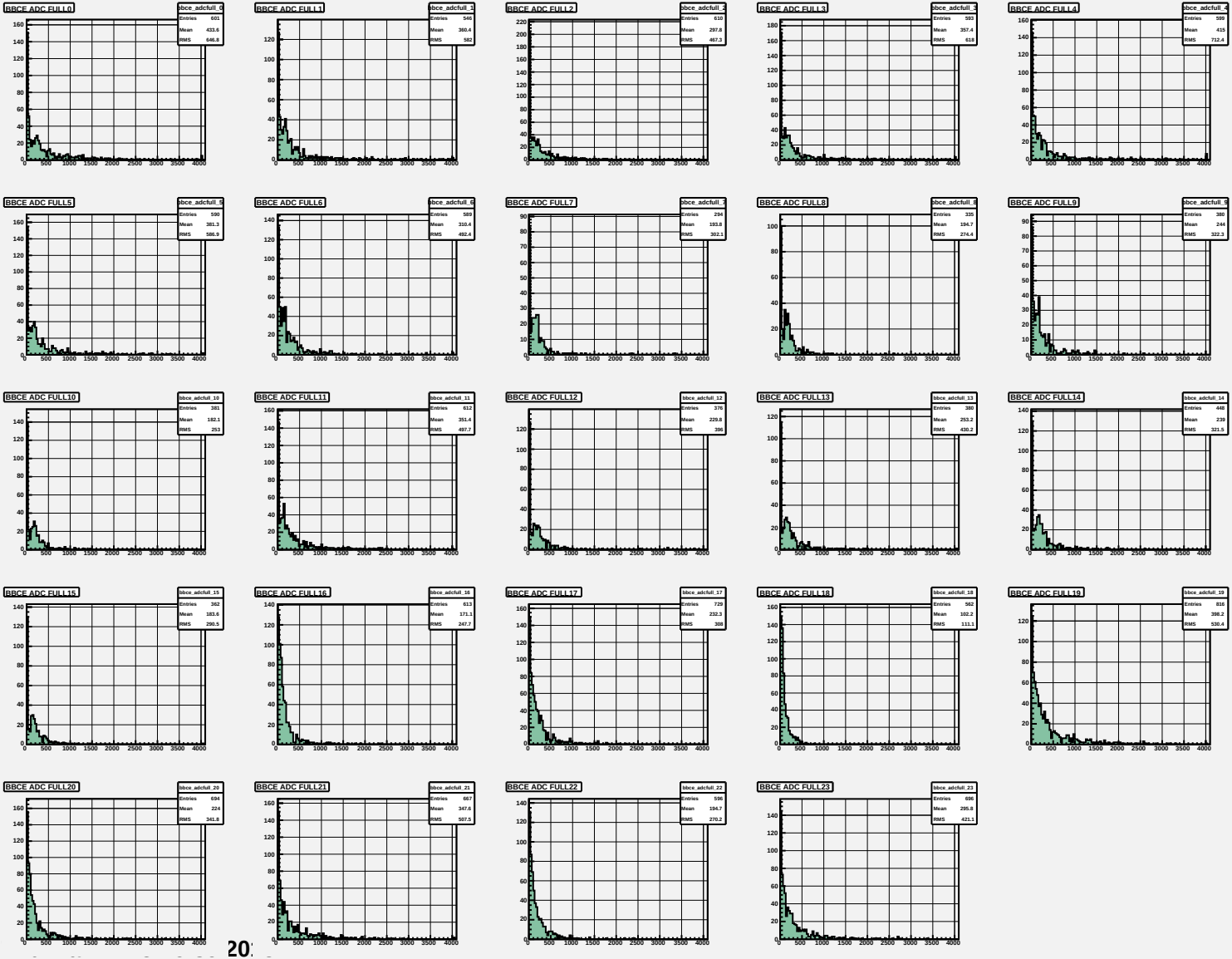

BBCE TDC 0
bbce_tdc_0
Entries 601
Mean 1136
RMS 836.6
BBCE TDC 1
bbce_tdc_1
Entries 546
Mean 1164
RMS 796.5
BBCE TDC 2
bbce_tdc_2
Entries 610
Mean 983.6
RMS 843.9
BBCE TDC 3
bbce_tdc_3
Entries 593
Mean 1050
RMS 815
BBCE TDC 4
bbce_tdc_4
Entries 599
Mean 1113
RMS 816.2
BBCE TDC 5
bbce_tdc_5
Entries 590
Mean 1084
RMS 817.2
BBCE TDC 6
bbce_tdc_6
Entries 583
Mean 1153
RMS 784.8
BBCE TDC 7
bbce_tdc_7
Entries 294
Mean 1154
RMS 766.5
BBCE TDC 8
bbce_tdc_8
Entries 335
Mean 1131
RMS 784.2
BBCE TDC 9
bbce_tdc_9
Entries 380
Mean 1220
RMS 745.4
BBCE TDC 10
bbce_tdc_10
Entries 381
Mean 1030
RMS 799.5
BBCE TDC 11
bbce_tdc_11
Entries 612
Mean 1167
RMS 783.1
BBCE TDC 12
bbce_tdc_12
Entries 376
Mean 1062
RMS 802.3
BBCE TDC 13
bbce_tdc_13
Entries 380
Mean 1121
RMS 792.4
BBCE TDC 14
bbce_tdc_14
Entries 448
Mean 1083
RMS 795.9
BBCE TDC 15
bbce_tdc_15
Entries 362
Mean 1011
RMS 837.3
BBCE TDC 16
bbce_tdc_16
Entries 613
Mean 811.7
RMS 560.6
BBCE TDC 17
bbce_tdc_17
Entries 729
Mean 741.5
RMS 570.9
BBCE TDC 18
bbce_tdc_18
Entries 562
Mean 785.4
RMS 512.4
BBCE TDC 19
bbce_tdc_19
Entries 816
Mean 832.8
RMS 577.3
BBCE TDC 20
bbce_tdc_20
Entries 694
Mean 784.2
RMS 578.4
BBCE TDC 21
bbce_tdc_21
Entries 667
Mean 658.1
RMS 576.9
BBCE TDC 22
bbce_tdc_22
Entries 596
Mean 754.3
RMS 570.9
BBCE TDC 23
bbce_tdc_23
Entries 696
Mean 789.3
RMS 593.9

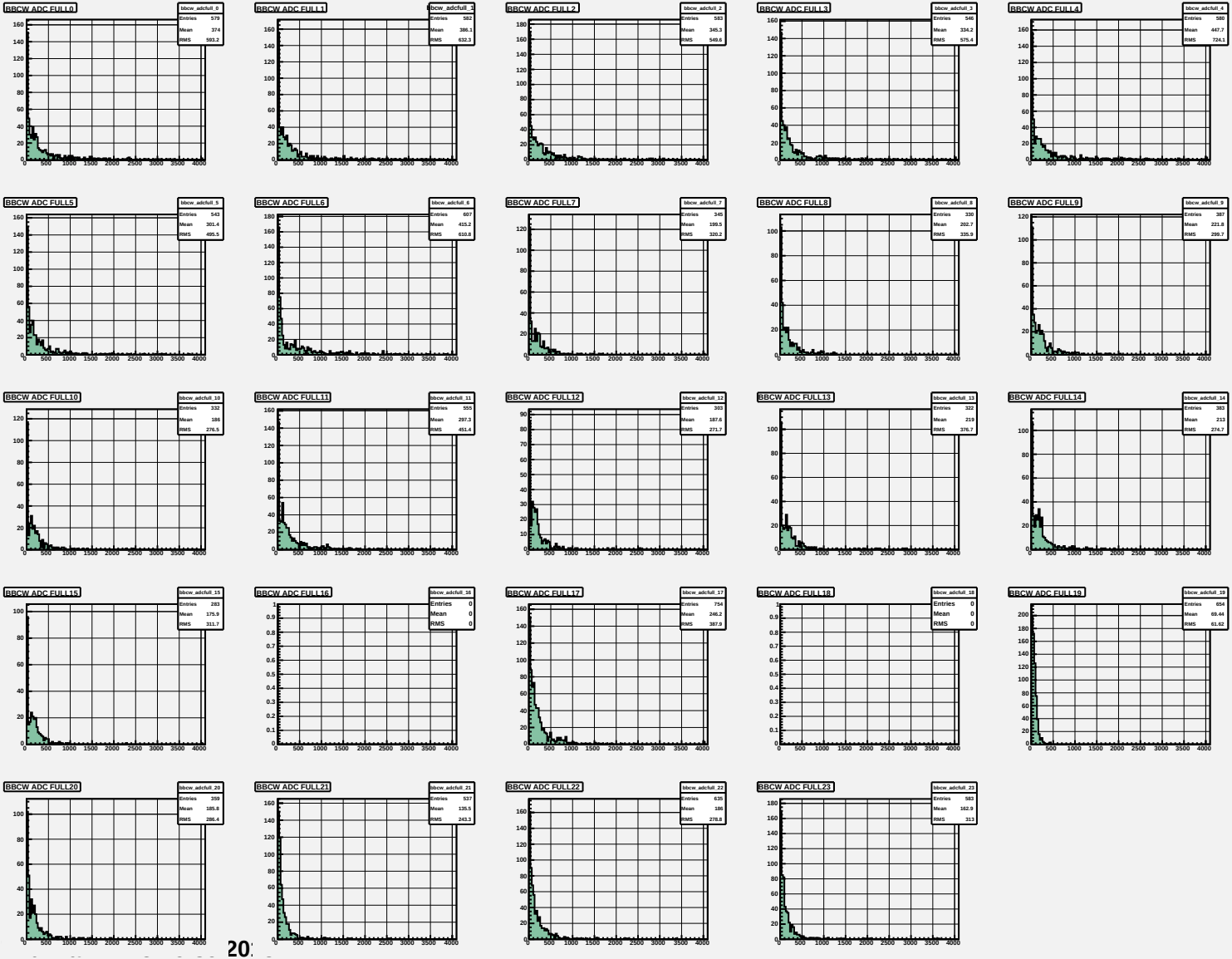

BBCW TDC 0
bbcw_tdc_0
Entries 579
Mean 1114
RMS 759.6
BBCW TDC 1
bbcw_tdc_1
Entries 582
Mean 1091
RMS 780.2
BBCW TDC 2
bbcw_tdc_2
Entries 583
Mean 1024
RMS 807.8
BBCW TDC 3
bbcw_tdc_3
Entries 546
Mean 1090
RMS 763.8
BBCW TDC 4
bbcw_tdc_4
Entries 580
Mean 1103
RMS 784.7
BBCW TDC 5
bbcw_tdc_5
Entries 543
Mean 1057
RMS 777.4
BBCW TDC 6
bbcw_tdc_6
Entries 607
Mean 1083
RMS 806.2
BBCW TDC 7
bbcw_tdc_7
Entries 345
Mean 981.9
RMS 814
BBCW TDC 8
bbcw_tdc_8
Entries 330
Mean 1020
RMS 784.5
BBCW TDC 9
bbcw_tdc_9
Entries 387
Mean 1058
RMS 785.1
BBCW TDC 10
bbcw_tdc_10
Entries 332
Mean 1001
RMS 791.4
BBCW TDC 11
bbcw_tdc_11
Entries 555
Mean 1162
RMS 755
BBCW TDC 12
bbcw_tdc_12
Entries 303
Mean 1201
RMS 742.3
BBCW TDC 13
bbcw_tdc_13
Entries 322
Mean 1032
RMS 789.4
BBCW TDC 14
bbcw_tdc_14
Entries 383
Mean 1135
RMS 753.8
BBCW TDC 15
bbcw_tdc_15
Entries 283
Mean 1017
RMS 792.4
BBCW TDC 16
bbcw_tdc_16
Entries 0
Mean 0
RMS 0
BBCW TDC 17
bbcw_tdc_17
Entries 754
Mean 764.5
RMS 553.8
BBCW TDC 18
bbcw_tdc_18
Entries 0
Mean 0
RMS 0
BBCW TDC 19
bbcw_tdc_19
Entries 654
Mean 669.5
RMS 539.6
BBCW TDC 20
bbcw_tdc_20
Entries 359
Mean 734.4
RMS 589.6
BBCW TDC 21
bbcw_tdc_21
Entries 537
Mean 672.1
RMS 551.8
BBCW TDC 22
bbcw_tdc_22
Entries 635
Mean 760.5
RMS 557.3
BBCW TDC 23
bbcw_tdc_23
Entries 583
Mean 646.5
RMS 525.1


BBCE ADC MIP0
bbce_adcmip_0
Entries 601
Mean 143.3
RMS 140.2
BBCE ADC MIP1
bbce_adcmip_1
Entries 546
Mean 151.7
RMS 137.4
BBCE ADC MIP2
bbce_adcmip_2
Entries 610
Mean 128.3
RMS 135.4
BBCE ADC MIP3
bbce_adcmip_3
Entries 593
Mean 133.8
RMS 128.4
BBCE ADC MIP4
bbce_adcmip_4
Entries 599
Mean 139
RMS 134.5
BBCE ADC MIP5
bbce_adcmip_5
Entries 590
Mean 142.6
RMS 134.2
BBCE ADC MIP6
bbce_adcmip_6
Entries 589
Mean 140.3
RMS 134.2
BBCE ADC MIP7
bbce_adcmip_7
Entries 294
Mean 137.7
RMS 120.8
BBCE ADC MIP8
bbce_adcmip_8
Entries 335
Mean 132.3
RMS 117.8
BBCE ADC MIP9
bbce_adcmip_9
Entries 380
Mean 148.5
RMS 132.4
BBCE ADC MIP10
bbce_adcmip_10
Entries 381
Mean 130.6
RMS 130.7
BBCE ADC MIP11
bbce_adcmip_11
Entries 612
Mean 148.7
RMS 134.6
BBCE ADC MIP12
bbce_adcmip_12
Entries 376
Mean 136
RMS 132
BBCE ADC MIP13
bbce_adcmip_13
Entries 380
Mean 140.1
RMS 130.9
BBCE ADC MIP14
bbce_adcmip_14
Entries 448
Mean 148.3
RMS 132
BBCE ADC MIP15
bbce_adcmip_15
Entries 362
Mean 131.6
RMS 131.5
BBCE ADC MIP16
bbce_adcmip_16
Entries 613
Mean 117.1
RMS 107.9
BBCE ADC MIP17
bbce_adcmip_17
Entries 729
Mean 137.9
RMS 120
BBCE ADC MIP18
bbce_adcmip_18
Entries 562
Mean 97.44
RMS 99.32
BBCE ADC MIP19
bbce_adcmip_19
Entries 816
Mean 162.3
RMS 133.8
BBCE ADC MIP20
bbce_adcmip_20
Entries 694
Mean 124.2
RMS 117.6
BBCE ADC MIP21
bbce_adcmip_21
Entries 667
Mean 142.5
RMS 137.2
BBCE ADC MIP22
bbce_adcmip_22
Entries 596
Mean 129.5
RMS 121.8
BBCE ADC MIP23
bbce_adcmip_23
Entries 696
Mean 144.9
RMS 131.7


BBCW ADC MIP0
bbcw_adcmip_0
Entries 579
Mean 137.6
RMS 133.1
BBCW ADC MIP1
bbcw_adcmip_1
Entries 582
Mean 139.9
RMS 135
BBCW ADC MIP2
bbcw_adcmip_2
Entries 583
Mean 139.2
RMS 141.3
BBCW ADC MIP3
bbcw_adcmip_3
Entries 546
Mean 132
RMS 131.9
BBCW ADC MIP4
bbcw_adcmip_4
Entries 580
Mean 135.9
RMS 136.6
BBCW ADC MIP5
bbcw_adcmip_5
Entries 543
Mean 130.7
RMS 130.9
BBCW ADC MIP6
bbcw_adcmip_6
Entries 607
Mean 118.1
RMS 139
BBCW ADC MIP7
bbcw_adcmip_7
Entries 345
Mean 129.4
RMS 133.3
BBCW ADC MIP8
bbcw_adcmip_8
Entries 330
Mean 121.1
RMS 125.8
BBCW ADC MIP9
bbcw_adcmip_9
Entries 387
Mean 133.7
RMS 128.1
BBCW ADC MIP10
bbcw_adcmip_10
Entries 332
Mean 123.8
RMS 123.6
BBCW ADC MIP11
bbcw_adcmip_11
Entries 555
Mean 135.4
RMS 126.1
BBCW ADC MIP12
bbcw_adcmip_12
Entries 303
Mean 130.7
RMS 120.7
BBCW ADC MIP13
bbcw_adcmip_13
Entries 322
Mean 133.2
RMS 129.9
BBCW ADC MIP14
bbcw_adcmip_14
Entries 383
Mean 139.3
RMS 126.3
BBCW ADC MIP15
bbcw_adcmip_15
Entries 283
Mean 133.6
RMS 129.6
BBCW ADC MIP16
bbcw_adcmip_16
Entries 0
Mean 0
RMS 0
BBCW ADC MIP17
bbcw_adcmip_17
Entries 754
Mean 139.4
RMS 124.3
BBCW ADC MIP18
bbcw_adcmip_18
Entries 0
Mean 0
RMS 0
BBCW ADC MIP19
bbcw_adcmip_19
Entries 654
Mean 69.44
RMS 61.62
BBCW ADC MIP20
bbcw_adcmip_20
Entries 359
Mean 124.4
RMS 123.1
BBCW ADC MIP21
bbcw_adcmip_21
Entries 537
Mean 96.6
RMS 97.40
BBCW ADC MIP22
bbcw_adcmip_22
Entries 635
Mean 127.3
RMS 124.1
BBCW ADC MIP23
bbcw_adcmip_23
Entries 583
Mean 107.7
RMS 108.4

20


BBCE ADC FULL0
bbce_adcfull_0
Entries 601
Mean 433.6
RMS 646.8
BBCE ADC FULL1
bbce_adcfull_1
Entries 546
Mean 360.4
RMS 582
BBCE ADC FULL2
bbce_adcfull_2
Entries 610
Mean 297.8
RMS 467.3
BBCE ADC FULL3
bbce_adcfull_3
Entries 593
Mean 357.4
RMS 618
BBCE ADC FULL4
bbce_adcfull_4
Entries 599
Mean 415
RMS 712.4
BBCE ADC FULL5
bbce_adcfull_5
Entries 590
Mean 381.3
RMS 586.9
BBCE ADC FULL6
bbce_adcfull_6
Entries 589
Mean 310.4
RMS 492.4
BBCE ADC FULL7
bbce_adcfull_7
Entries 294
Mean 155.8
RMS 302.1
BBCE ADC FULL8
bbce_adcfull_8
Entries 335
Mean 194.7
RMS 274.4
BBCE ADC FULL9
bbce_adcfull_9
Entries 380
Mean 244
RMS 322.3
BBCE ADC FULL10
bbce_adcfull_10
Entries 381
Mean 182.1
RMS 253
BBCE ADC FULL11
bbce_adcfull_11
Entries 612
Mean 351.4
RMS 497.7
BBCE ADC FULL12
bbce_adcfull_12
Entries 376
Mean 229.8
RMS 396
BBCE ADC FULL13
bbce_adcfull_13
Entries 380
Mean 253.2
RMS 430.2
BBCE ADC FULL14
bbce_adcfull_14
Entries 448
Mean 239
RMS 321.5
BBCE ADC FULL15
bbce_adcfull_15
Entries 362
Mean 183.6
RMS 290.5
BBCE ADC FULL16
bbce_adcfull_16
Entries 613
Mean 171.1
RMS 247.7
BBCE ADC FULL17
bbce_adcfull_17
Entries 729
Mean 232.3
RMS 308
BBCE ADC FULL18
bbce_adcfull_18
Entries 562
Mean 102.2
RMS 111.1
BBCE ADC FULL19
bbce_adcfull_19
Entries 816
Mean 398.2
RMS 530.4
BBCE ADC FULL20
bbce_adcfull_20
Entries 694
Mean 224
RMS 341.8
BBCE ADC FULL21
bbce_adcfull_21
Entries 667
Mean 347.6
RMS 507.5
BBCE ADC FULL22
bbce_adcfull_22
Entries 596
Mean 194.7
RMS 270.2
BBCE ADC FULL23
bbce_adcfull_23
Entries 696
Mean 295.8
RMS 421.1


BBCW ADC FULL0
bbcw_adcfull_0
Entries 579
Mean 374
RMS 583.2
BBCW ADC FULL1
bbcw_adcfull_1
Entries 582
Mean 386.1
RMS 632.3
BBCW ADC FULL2
bbcw_adcfull_2
Entries 583
Mean 345.3
RMS 549.6
BBCW ADC FULL3
bbcw_adcfull_3
Entries 546
Mean 334.2
RMS 575.4
BBCW ADC FULL4
bbcw_adcfull_4
Entries 580
Mean 447.7
RMS 724.1
BBCW ADC FULL5
bbcw_adcfull_5
Entries 543
Mean 301.4
RMS 495.5
BBCW ADC FULL6
bbcw_adcfull_6
Entries 607
Mean 415.2
RMS 610.8
BBCW ADC FULL7
bbcw_adcfull_7
Entries 345
Mean 199.5
RMS 320.2
BBCW ADC FULL8
bbcw_adcfull_8
Entries 330
Mean 202.7
RMS 335.9
BBCW ADC FULL9
bbcw_adcfull_9
Entries 387
Mean 221.6
RMS 299.7
BBCW ADC FULL10
bbcw_adcfull_10
Entries 332
Mean 186
RMS 276.5
BBCW ADC FULL11
bbcw_adcfull_11
Entries 555
Mean 297.3
RMS 451.4
BBCW ADC FULL12
bbcw_adcfull_12
Entries 303
Mean 187.6
RMS 271.7
BBCW ADC FULL13
bbcw_adcfull_13
Entries 322
Mean 219
RMS 376.7
BBCW ADC FULL14
bbcw_adcfull_14
Entries 383
Mean 213
RMS 274.7
BBCW ADC FULL15
bbcw_adcfull_15
Entries 283
Mean 175.9
RMS 311.7
BBCW ADC FULL16
bbcw_adcfull_16
Entries 0
Mean 0
RMS 0
BBCW ADC FULL17
bbcw_adcfull_17
Entries 754
Mean 246.2
RMS 387.9
BBCW ADC FULL18
bbcw_adcfull_18
Entries 0
Mean 0
RMS 0
BBCW ADC FULL19
bbcw_adcfull_19
Entries 654
Mean 69.44
RMS 61.62
BBCW ADC FULL20
bbcw_adcfull_20
Entries 359
Mean 185.8
RMS 286.4
BBCW ADC FULL21
bbcw_adcfull_21
Entries 537
Mean 135.5
RMS 243.3
BBCW ADC FULL22
bbcw_adcfull_22
Entries 635
Mean 186
RMS 278.8
BBCW ADC FULL23
bbcw_adcfull_23
Entries 583
Mean 162.9
RMS 313

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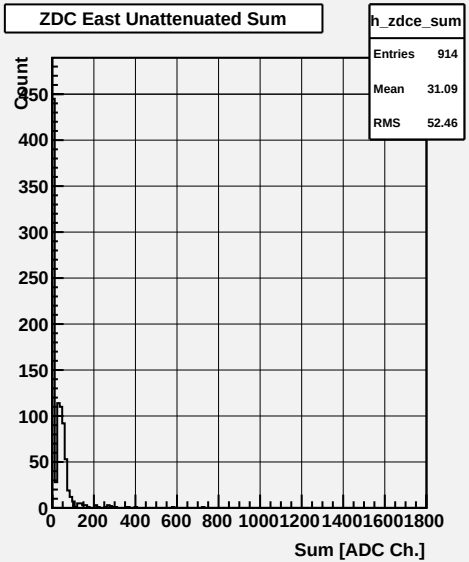
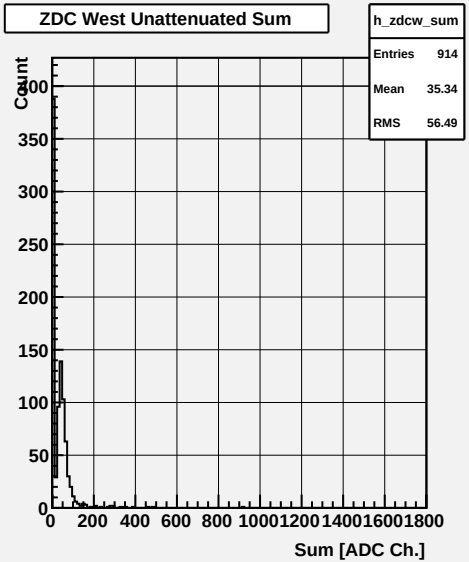
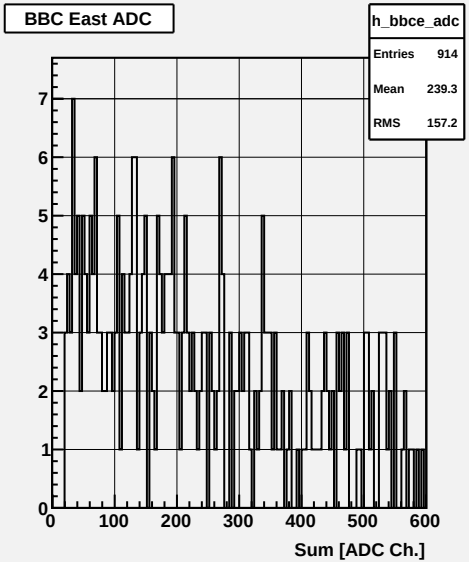
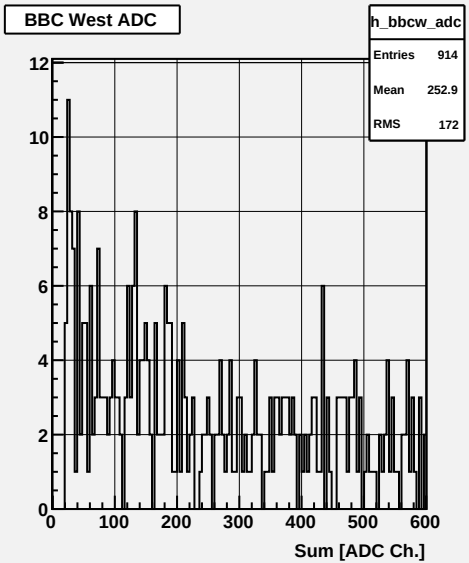
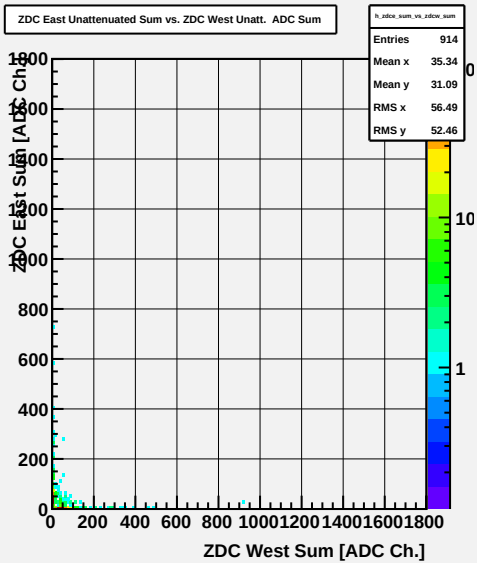
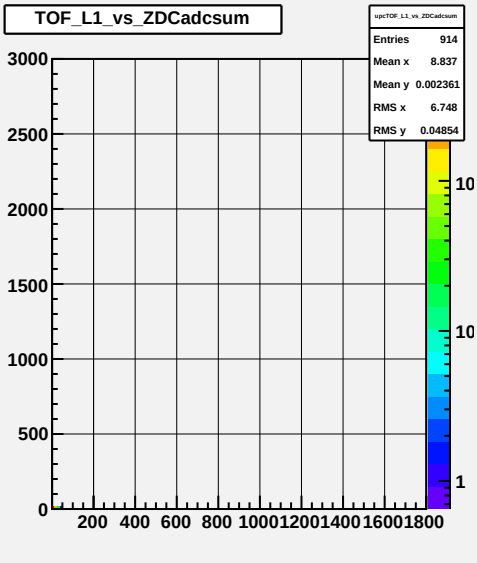

ZDC East Unattenuated Sum
h_zdce_sum
Entries 914
Mean 31.09
RMS 52.46
Count
Sum [ADC Ch.]

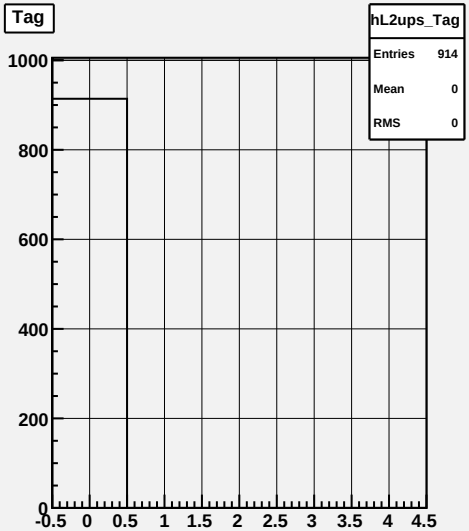

ZDC West Unattenuated Sum
h_zdcw_sum
Entries 914
Mean 35.34
RMS 56.49
Count
Sum [ADC Ch.]

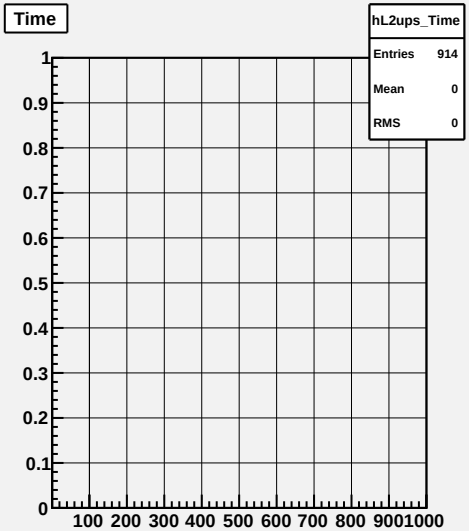

BBC East ADC
h_bbce_adc
Entries 914
Mean 239.3
RMS 157.2
Sum [ADC Ch.]

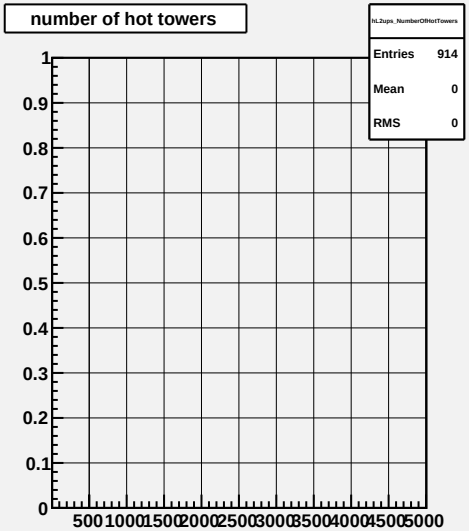

BBC West ADC
h_bbcw_adc
Entries 914
Mean 252.9
RMS 172
Sum [ADC Ch.]

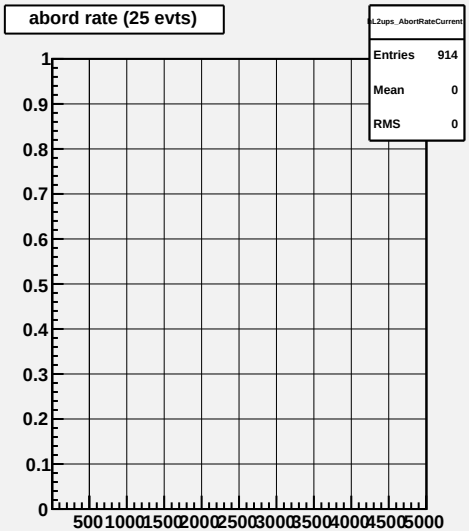

ZDC East Unattenuated Sum vs. ZDC West Unatt. ADC Sum
h_zdce_sum_vs_zdcw_sum
Entries 914
Mean x 35.34
Mean y 31.09
RMS x 56.49
RMS y 52.46
ZDC East Sum [ADC Ch.]
ZDC West Sum [ADC Ch.]

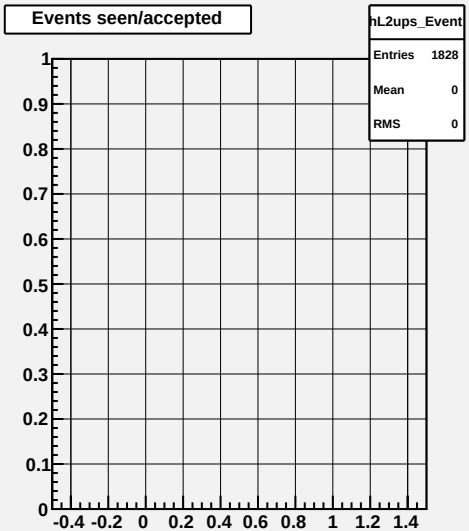

TOF_L1_vs_ZDCadcsum
upcTOF_L1_vs_ZDCadcsum
Entries 914
Mean x 8.837
Mean y 0.002361
RMS x 6.748
RMS y 0.04854

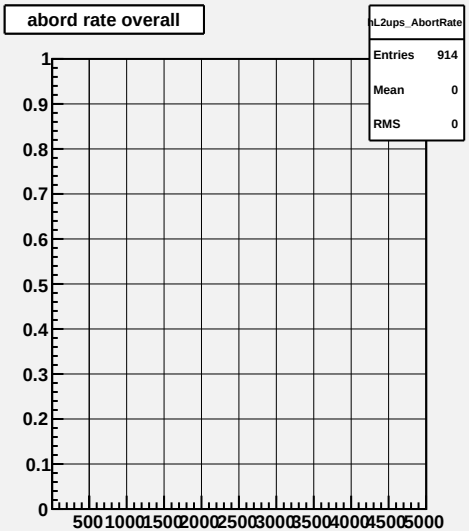

Tag
hL2ups_Tag
Entries 914
Mean 0
RMS 0
1000
800
600
400
200
0
-0.5 0 0.5 1 1.5 2 2.5 3 3.5 4 4.5

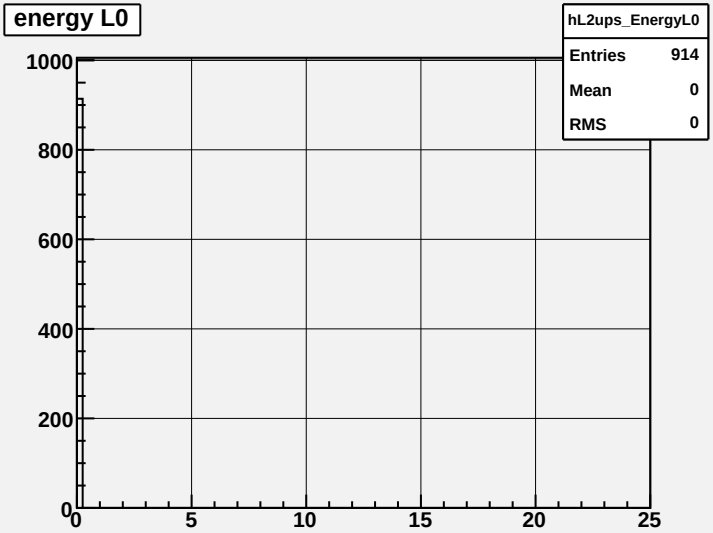

Time
hL2ups_Time
Entries 914
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
100 200 300 400 500 600 700 800 900 1000

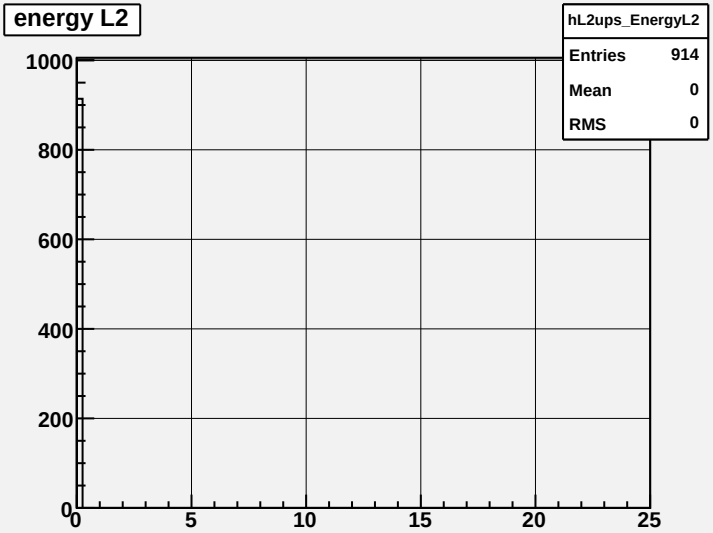

number of hot towers
hL2ups_NumberOfHotTowers
Entries 914
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
500 1000 1500 2000 2500 3000 3500 4000 4500 5000

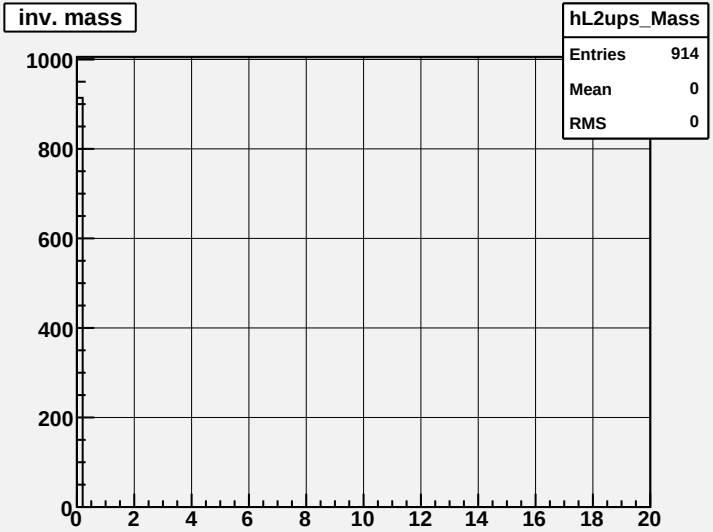

abord rate (25 evts)
hL2ups_AbortRateCurrent
Entries 914
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
500 1000 1500 2000 2500 3000 3500 4000 4500 5000

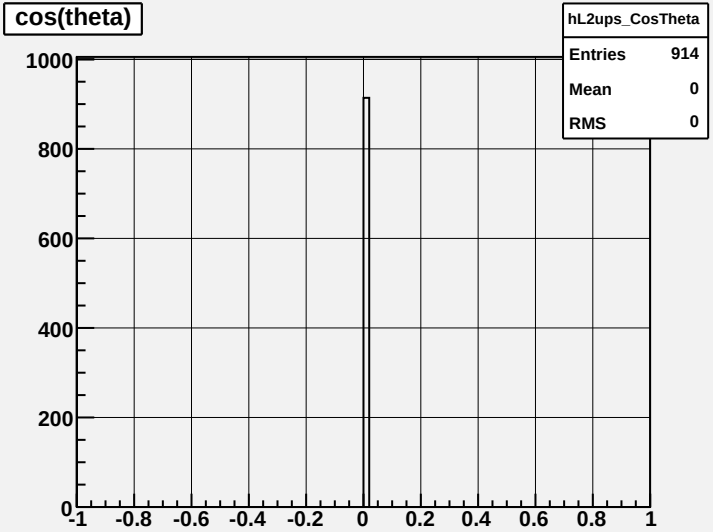

Events seen/accepted
hL2ups_Event
Entries 1828
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-0.4 -0.2 0 0.2 0.4 0.6 0.8 1 1.2 1.4

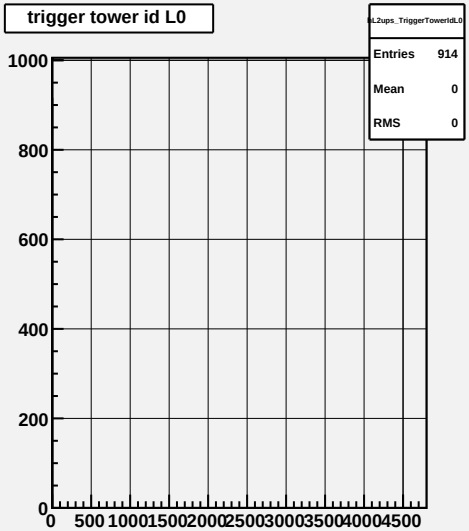

abord rate overall
hL2ups_AbortRate
Entries 914
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
500 1000 1500 2000 2500 3000 3500 4000 4500 5000

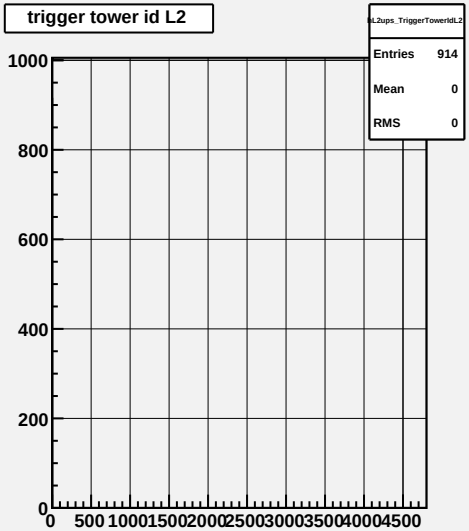

energy L0
hL2ups_EnergyL0
Entries 914
Mean 0
RMS 0
1000
800
600
400
200
0
0
5
10
15
20
25

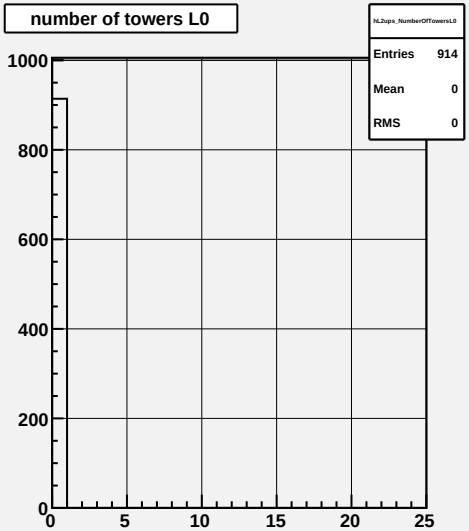

energy L2
hL2ups_EnergyL2
Entries 914
Mean 0
RMS 0
1000
800
600
400
200
0
0
5
10
15
20
25

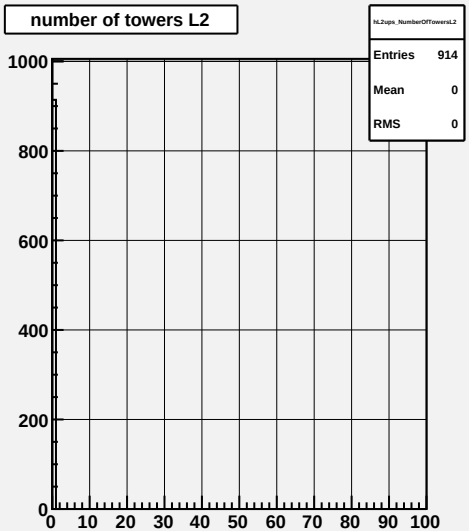

inv. mass
hL2ups_Mass
Entries 914
Mean 0
RMS 0
1000
800
600
400
200
0
0
2
4
6
8
10
12
14
16
18
20

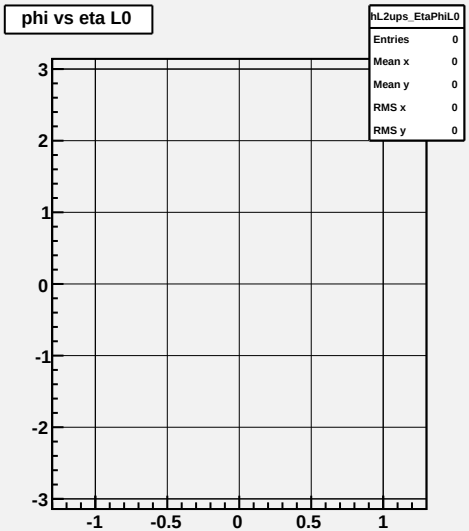

cos(theta)
hL2ups_CosTheta
Entries 914
Mean 0
RMS 0
1000
800
600
400
200
0
-1
-0.8
-0.6
-0.4
-0.2
0
0.2
0.4
0.6
0.8
1

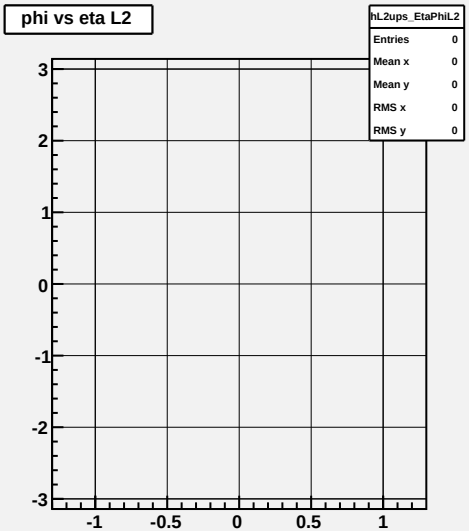

trigger tower id L0
hL2ups_TriggerTowerIdL0
Entries 914
Mean 0
RMS 0

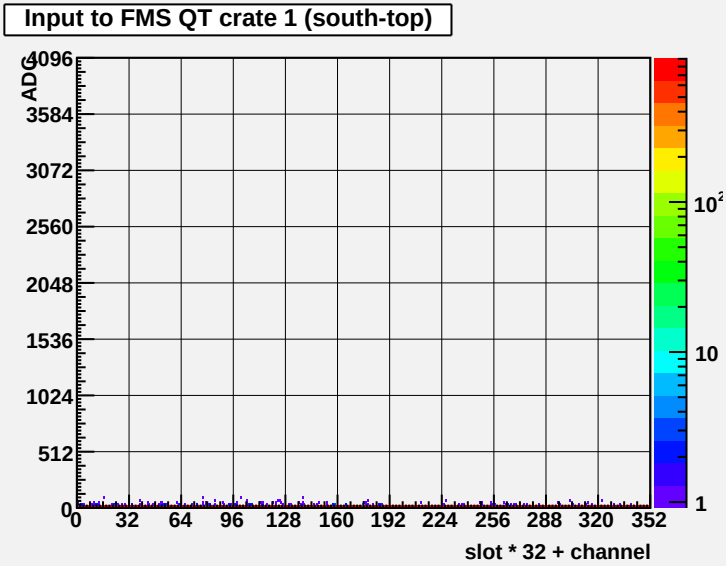

trigger tower id L2
hL2ups_TriggerTowerIdL2
Entries 914
Mean 0
RMS 0

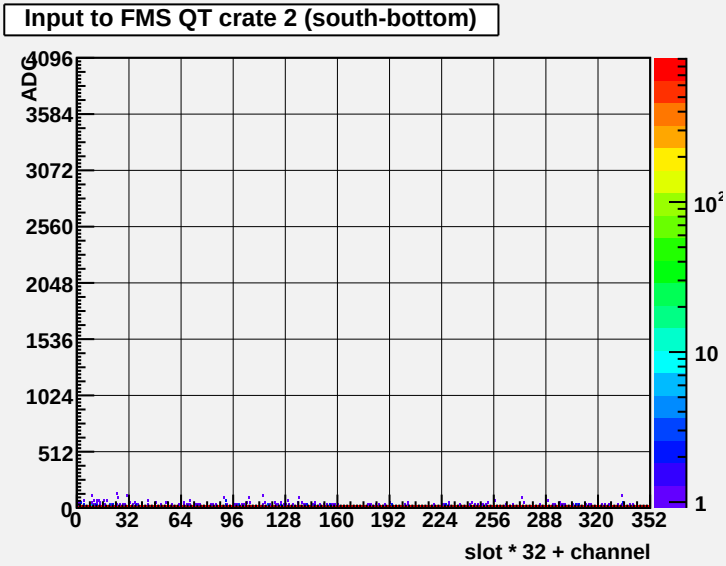

number of towers L0
hL2ups_NumberOfTowersL0
Entries 914
Mean 0
RMS 0

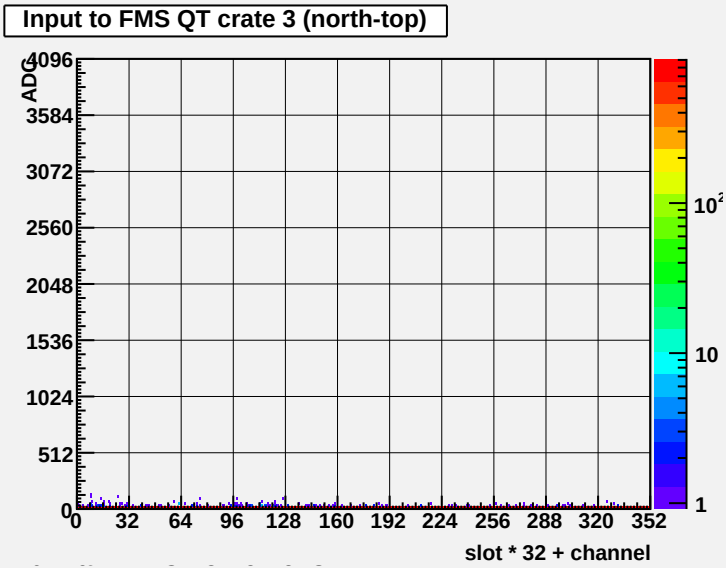

number of towers L2
hL2ups_NumberOfTowersL2
Entries 914
Mean 0
RMS 0

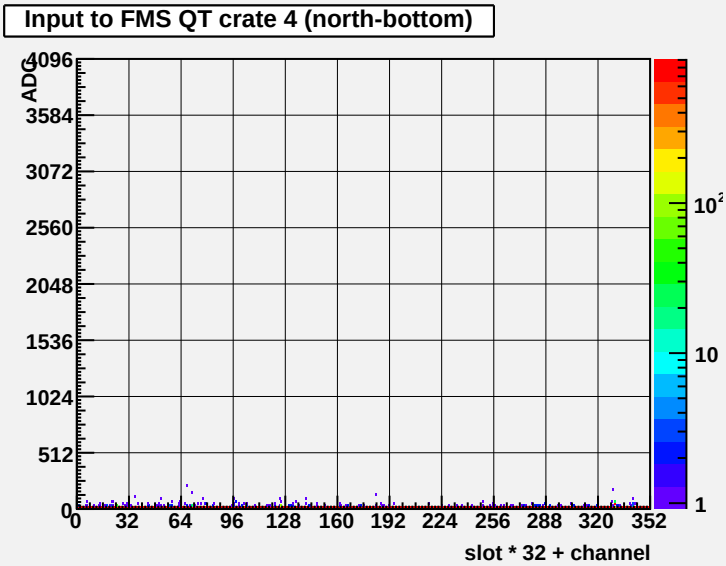

phi vs eta L0
hL2ups_EtaPhiL0
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0


phi vs eta L2
hL2ups_EtaPhiL2
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0

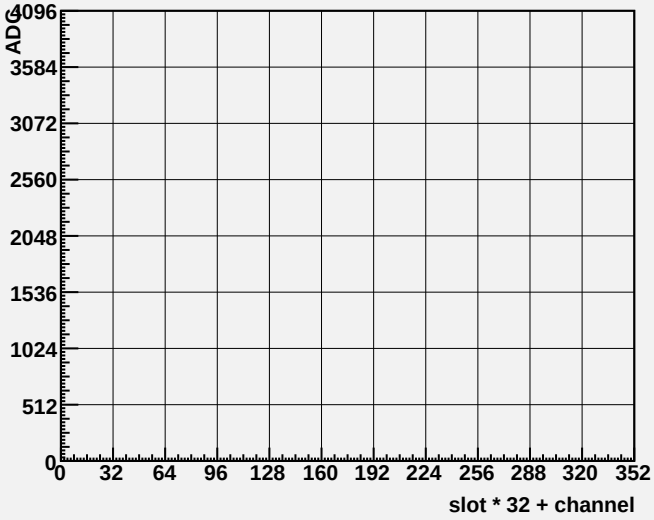

Input to FMS QT crate 1 (south-top)
ADC
4096
3584
3072
2560
2048
1536
1024
512
0
0 32 64 96 128 160 192 224 256 288 320 352
slot * 32 + channel
10^2
10
1


Input to FMS QT crate 2 (south-bottom)
ADC
4096
3584
3072
2560
2048
1536
1024
512
0
0 32 64 96 128 160 192 224 256 288 320 352
slot * 32 + channel
10^2
10
1

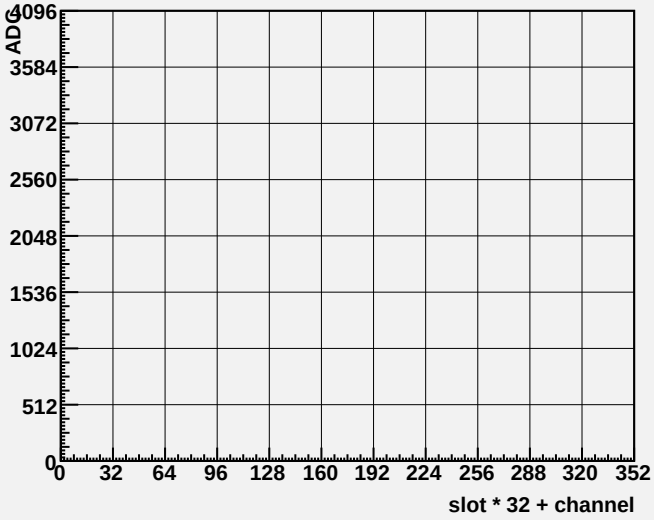

Input to FMS QT crate 3 (north-top)
ADC
4096
3584
3072
2560
2048
1536
1024
512
0
0 32 64 96 128 160 192 224 256 288 320 352
slot * 32 + channel
10^2
10
1


Input to FMS QT crate 4 (north-bottom)
ADC
4096
3584
3072
2560
2048
1536
1024
512
0
0 32 64 96 128 160 192 224 256 288 320 352
slot * 32 + channel
10^2
10
1

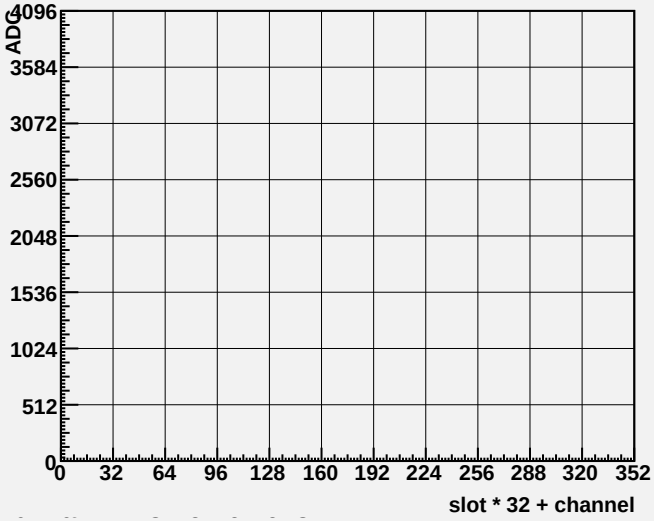
LED Input to FMS QT crate 1 (south-top)



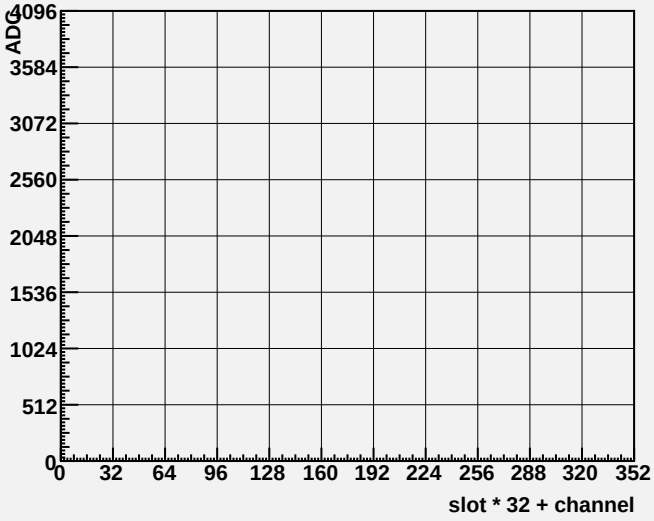
LED Input to FMS QT crate 2 (south-bottom)



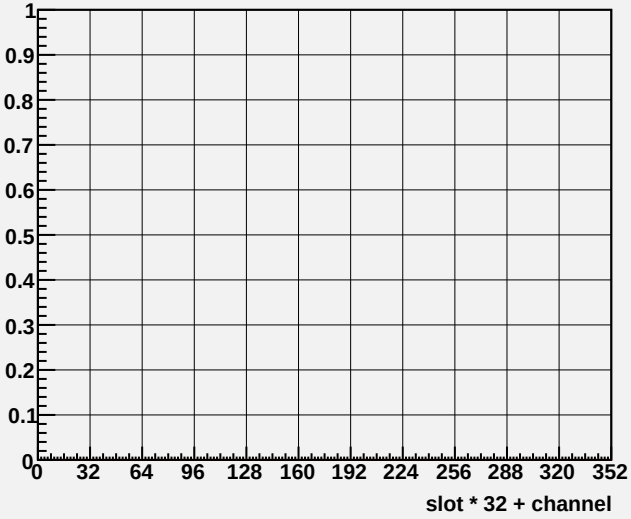
LED Input to FMS QT crate 3 (north-top)



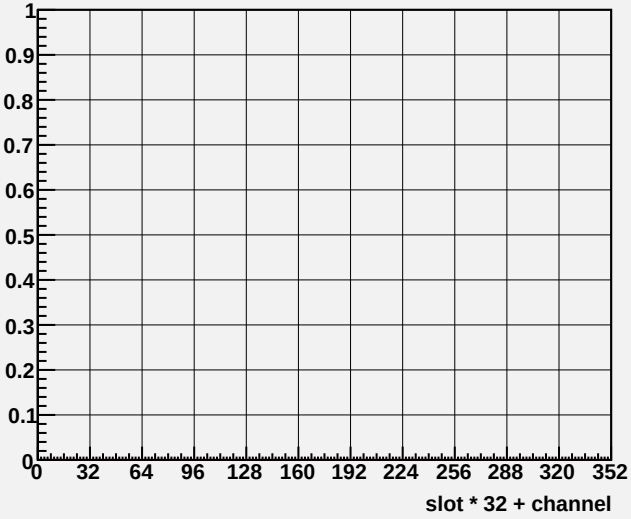
LED Input to FMS QT crate 4 (north-bottom)



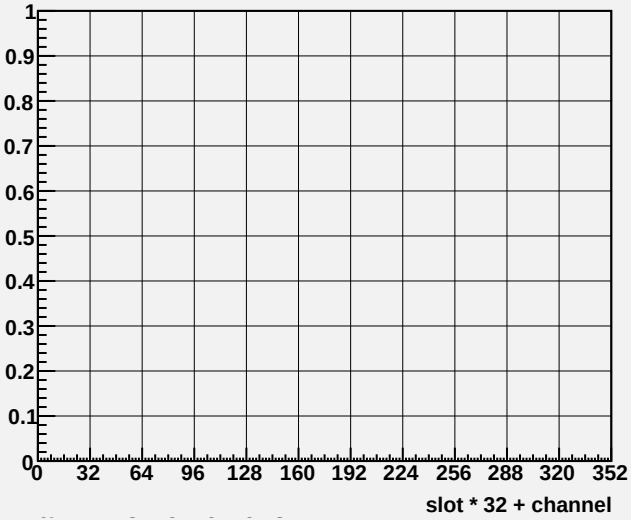
ADC>4094 for QT crate 1 (south-top)



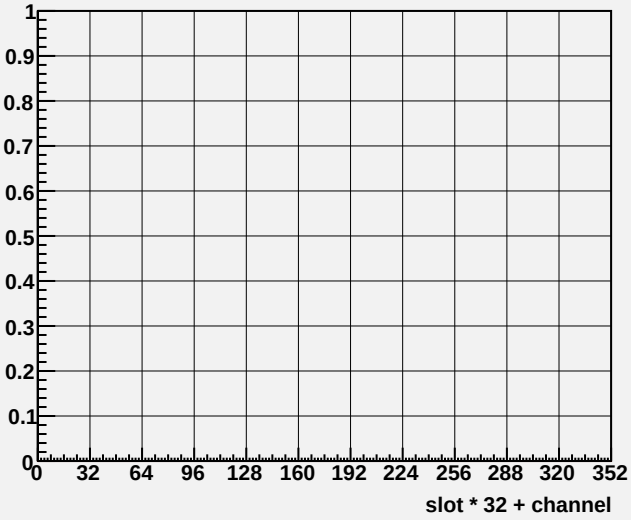
ADC>4094 for QT crate 2 (south-bottom)

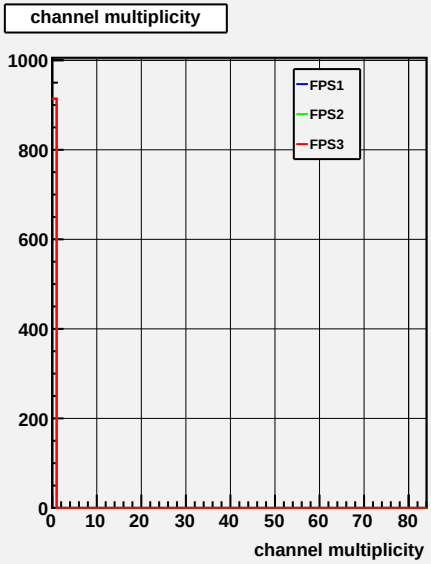


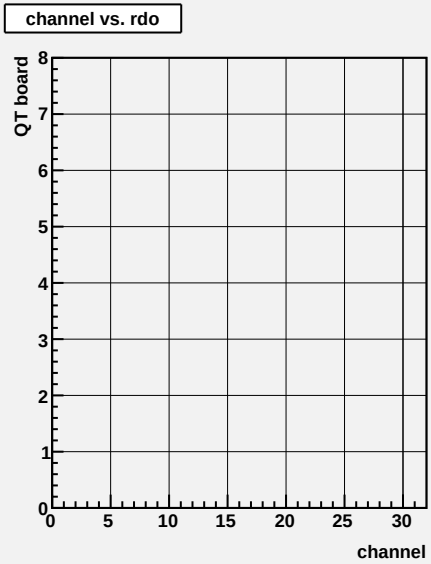
ADC>4094 for QT crate 3 (north-top)

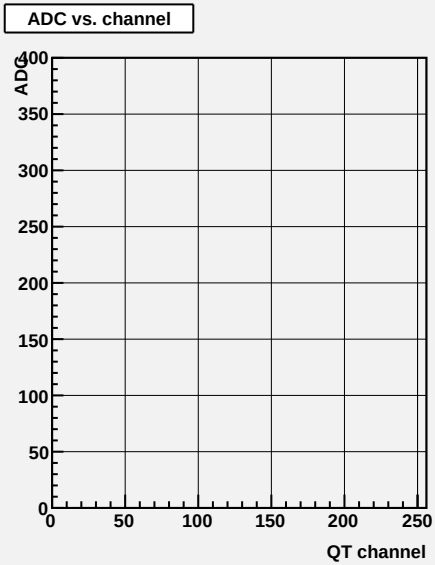


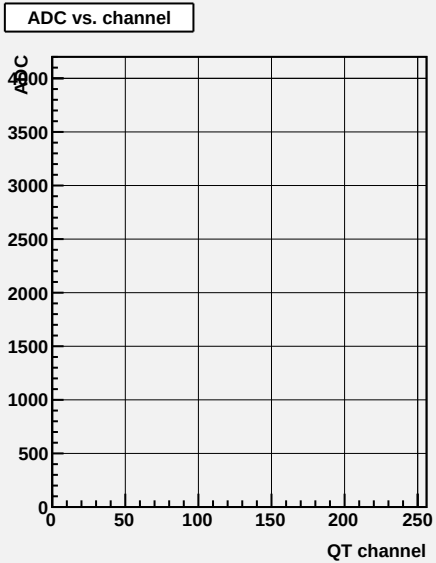
ADC>4094 for QT crate 4 (north-bottom)

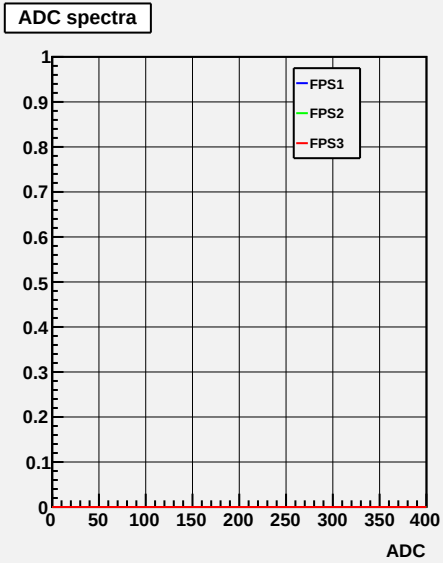


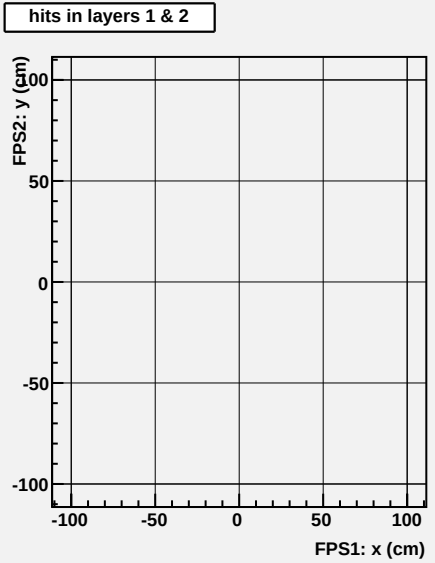

channel multiplicity
FPS1
FPS2
FPS3
channel multiplicity


channel vs. rdo
QT board
channel

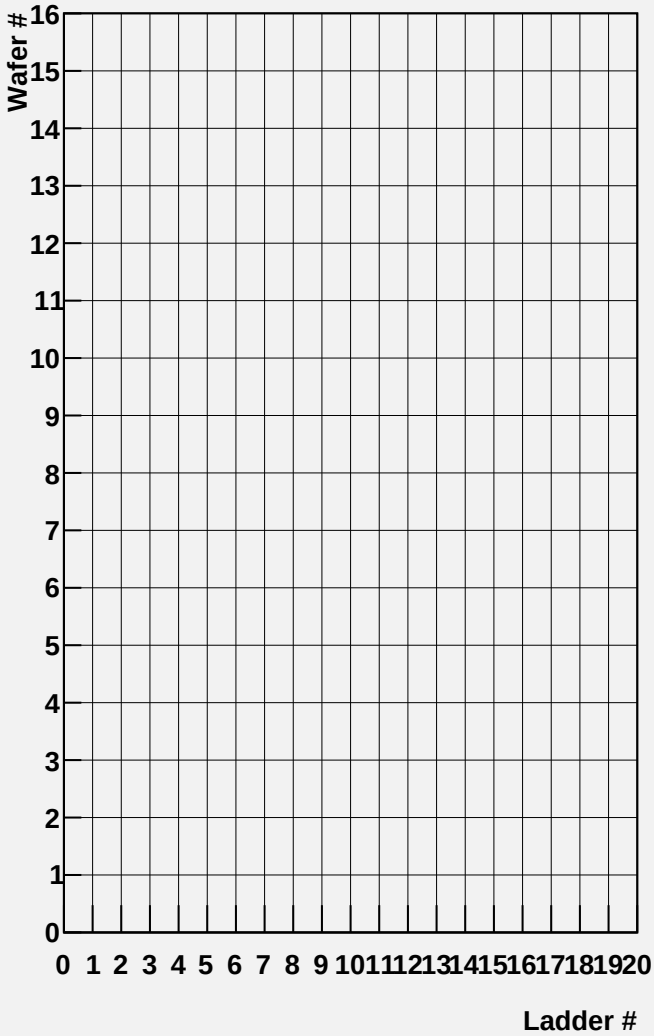

ADC vs. channel
ADC
QT channel


ADC vs. channel
ADC
QT channel

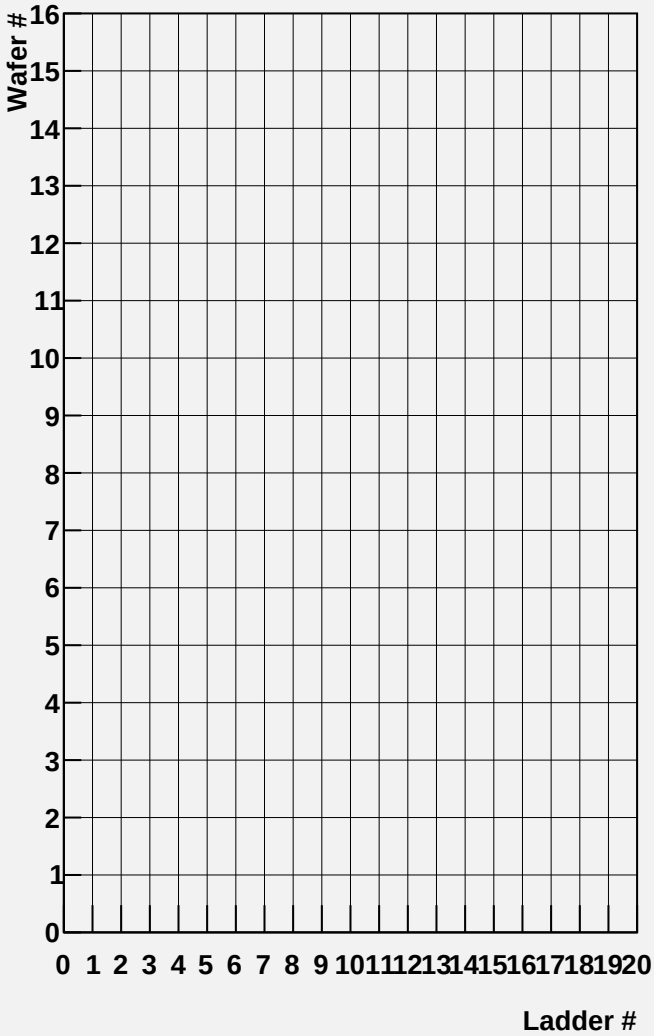

ADC spectra
FPS1
FPS2
FPS3
ADC

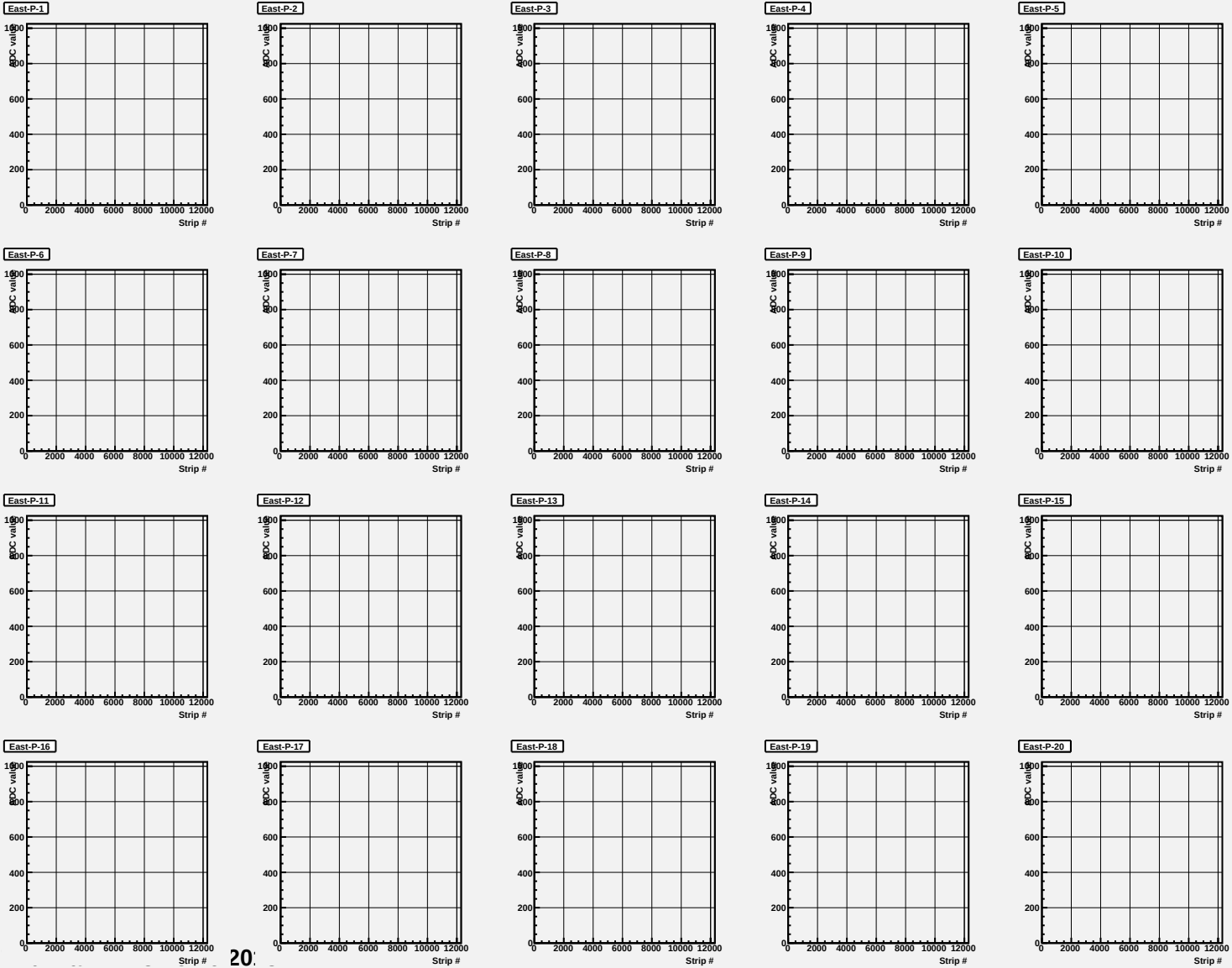

hits in layers 1 & 2
FPS2: y (cm)
FPS1: x (cm)

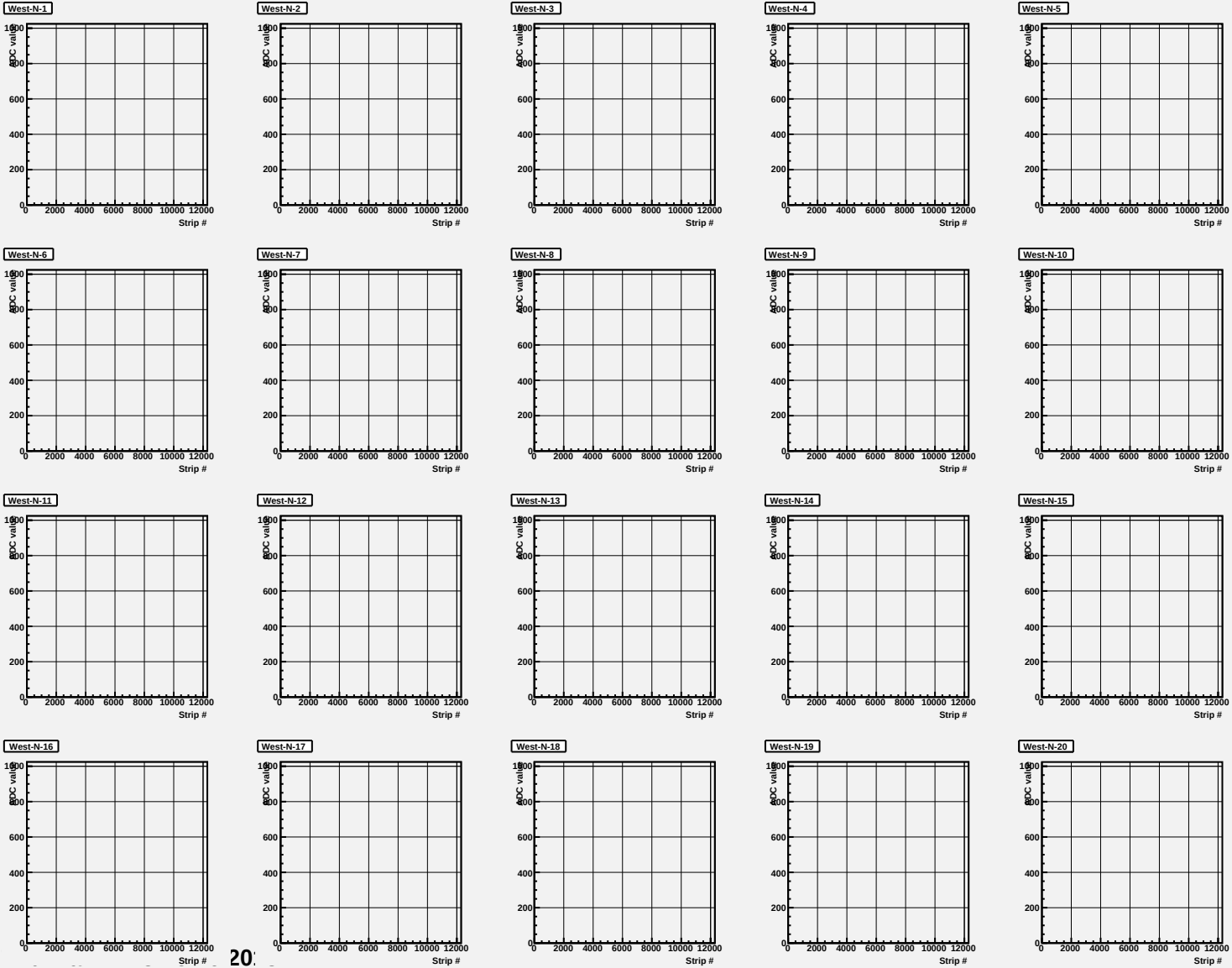
N-side Hit Map

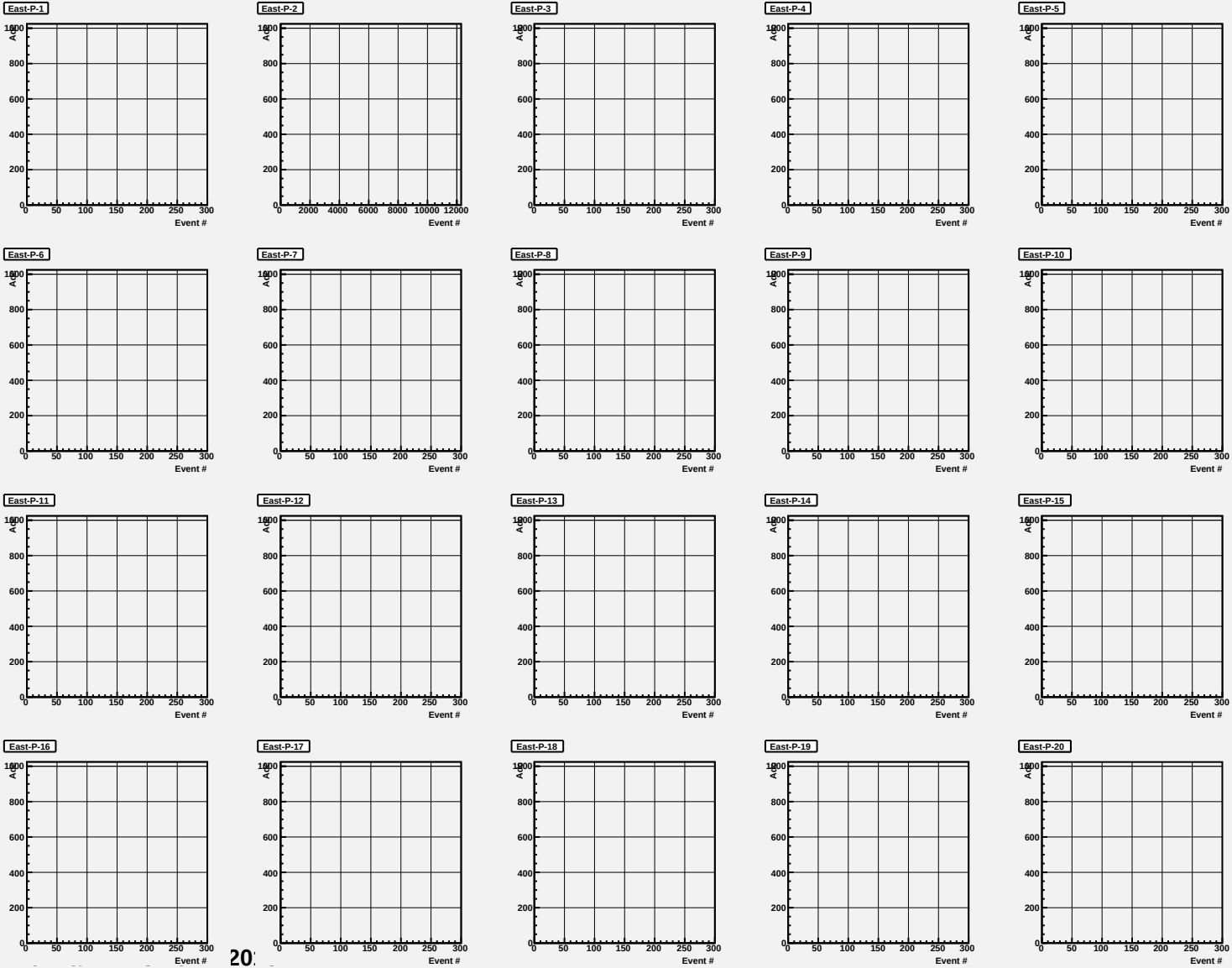


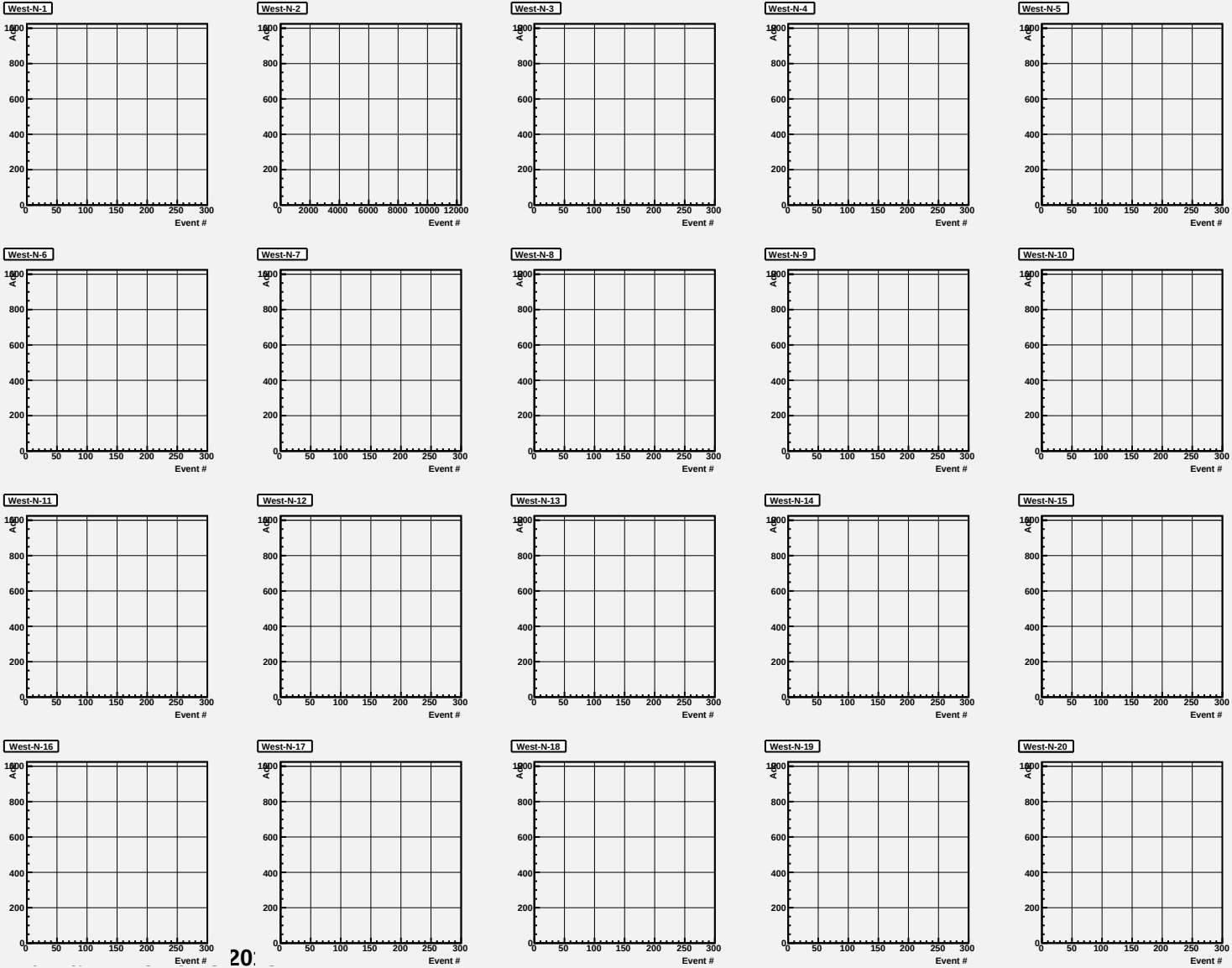
P-side Hit Map

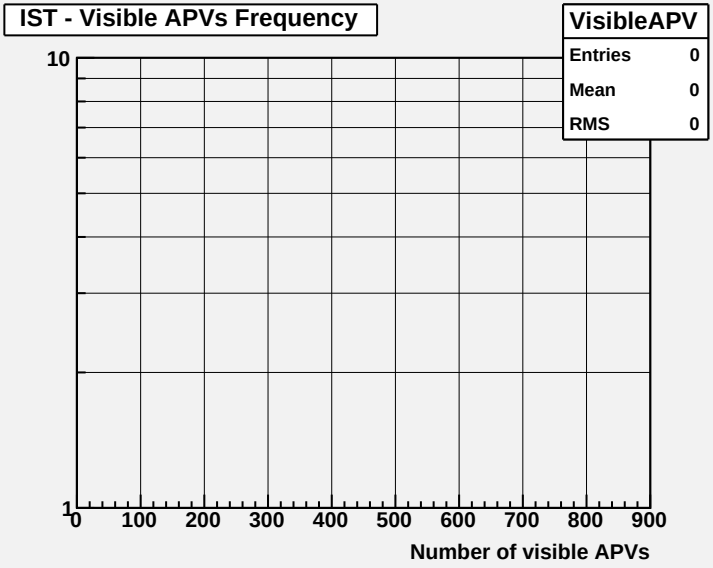


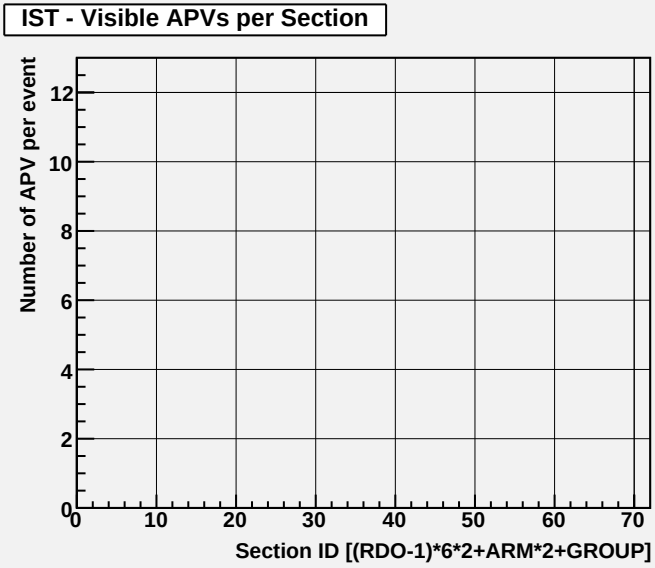

East-P-1
East-P-2
East-P-3
East-P-4
East-P-5
East-P-6
East-P-7
East-P-8
East-P-9
East-P-10
East-P-11
East-P-12
East-P-13
East-P-14
East-P-15
East-P-16
East-P-17
East-P-18
East-P-19
East-P-20
ADC value
Strip #
0
200
400
600
800
1000
1200
2000
4000
6000
8000
10000
12000

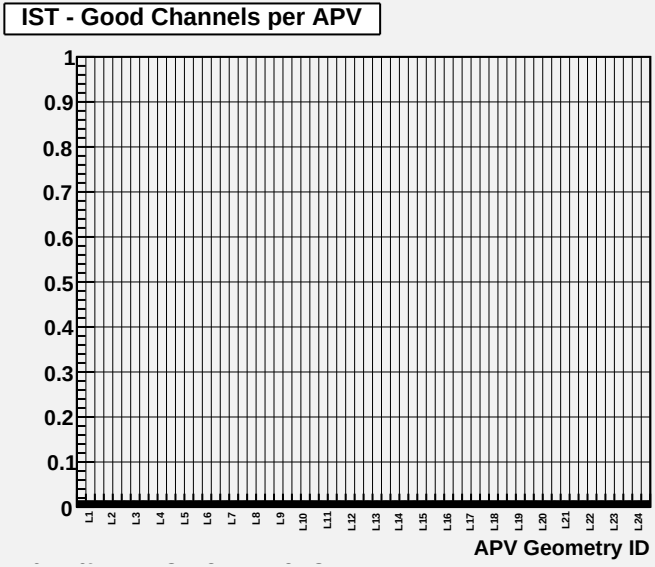

West-N-1
West-N-2
West-N-3
West-N-4
West-N-5
West-N-6
West-N-7
West-N-8
West-N-9
West-N-10
West-N-11
West-N-12
West-N-13
West-N-14
West-N-15
West-N-16
West-N-17
West-N-18
West-N-19
West-N-20
ADC value
Strip #
0
200
400
600
800
1000
1200
2000
4000
6000
8000
10000
12000

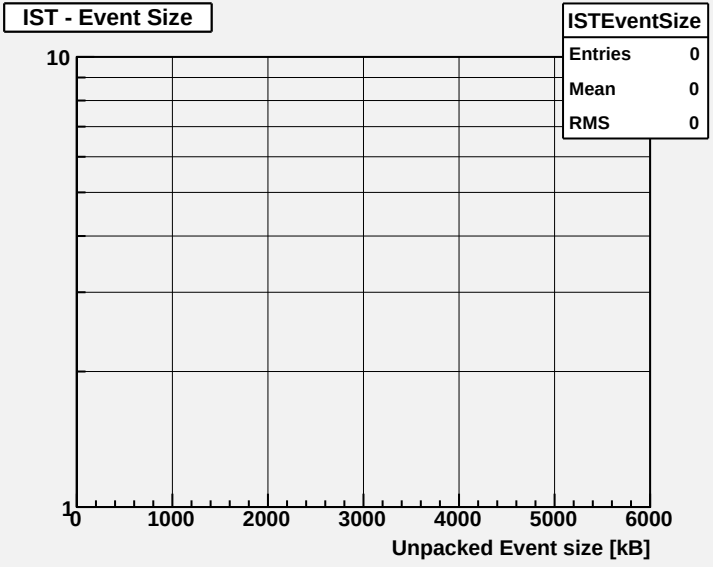

East-P-1
East-P-2
East-P-3
East-P-4
East-P-5
East-P-6
East-P-7
East-P-8
East-P-9
East-P-10
East-P-11
East-P-12
East-P-13
East-P-14
East-P-15
East-P-16
East-P-17
East-P-18
East-P-19
East-P-20
Adc
Event #

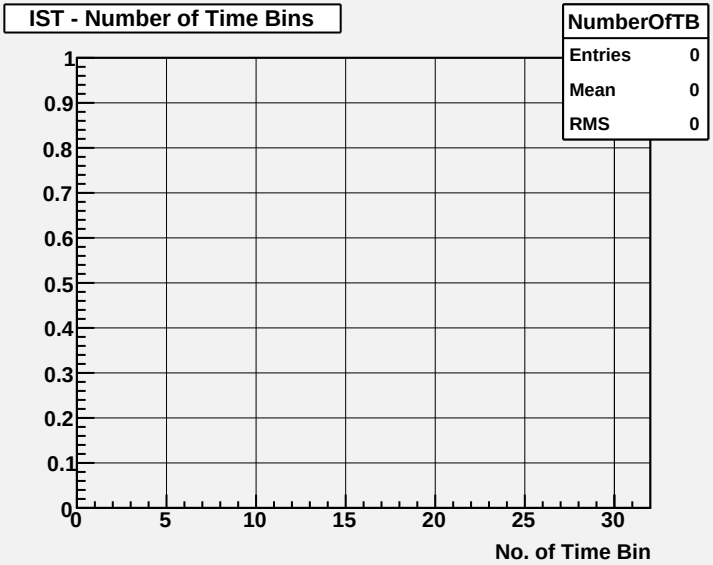

West-N-1
West-N-2
West-N-3
West-N-4
West-N-5
West-N-6
West-N-7
West-N-8
West-N-9
West-N-10
West-N-11
West-N-12
West-N-13
West-N-14
West-N-15
West-N-16
West-N-17
West-N-18
West-N-19
West-N-20
Adc
Event #

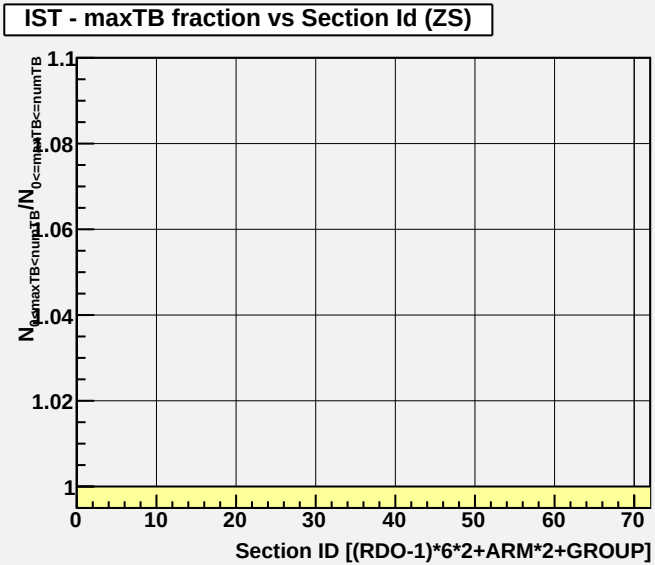

IST - Visible APVs Frequency
VisibleAPV
Entries 0
Mean 0
RMS 0
10
1
0 100 200 300 400 500 600 700 800 900
Number of visible APVs

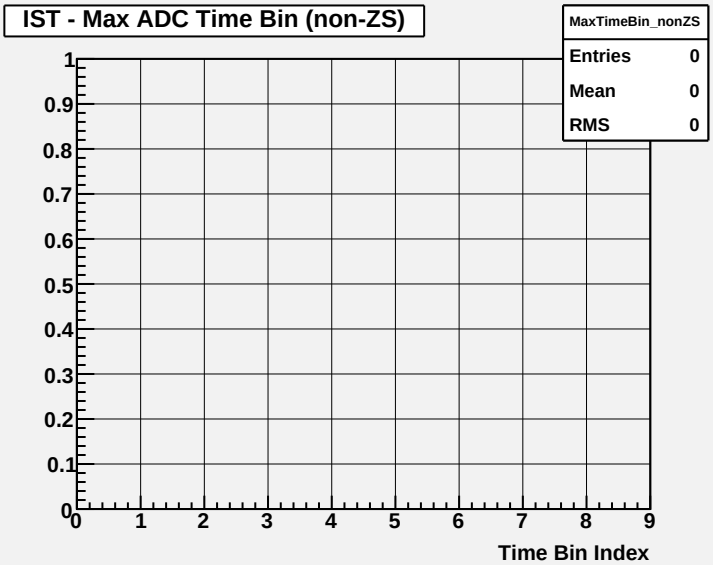

IST - Visible APVs per Section
Number of APV per event
0 2 4 6 8 10 12
0 10 20 30 40 50 60 70
Section ID [(RDO-1)*6*2+ARM*2+GROUP]

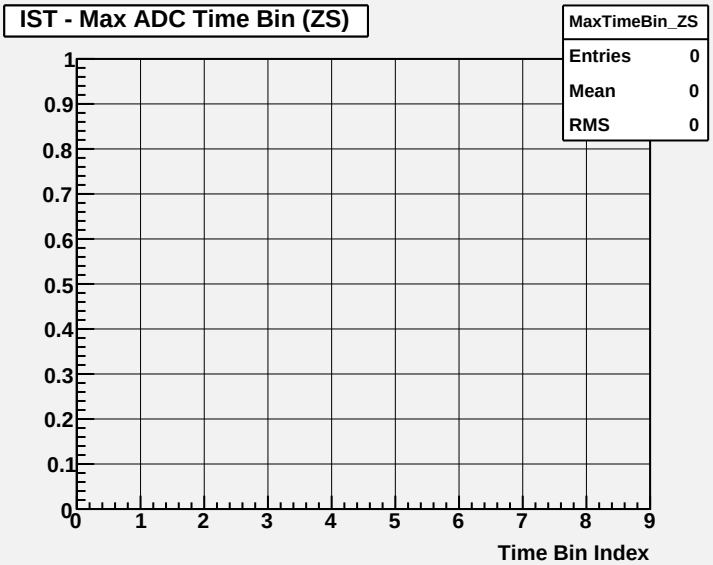

IST - Good Channels per APV
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24
APV Geometry ID


IST - Event Size
ISTEventSize
Entries 0
Mean 0
RMS 0
10
1
0 1000 2000 3000 4000 5000 6000
Unpacked Event size [kB]

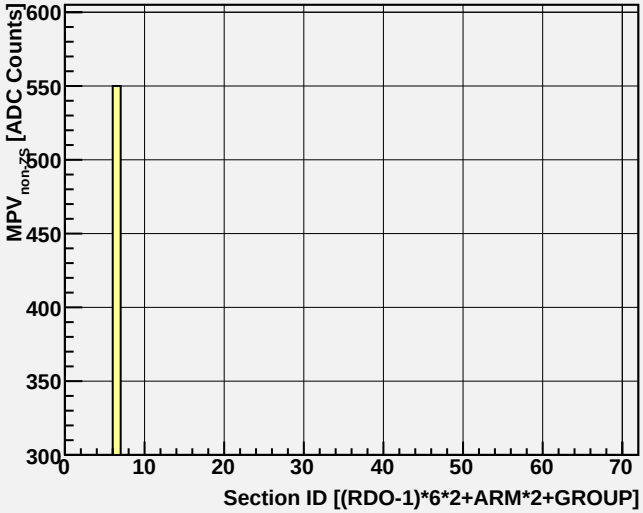

IST - Number of Time Bins
NumberOfTB
Entries 0
Mean 0
RMS 0
No. of Time Bin


IST - maxTB fraction vs Section Id (ZS)
Section ID [(RDO-1)*6*2+ARM*2+GROUP]

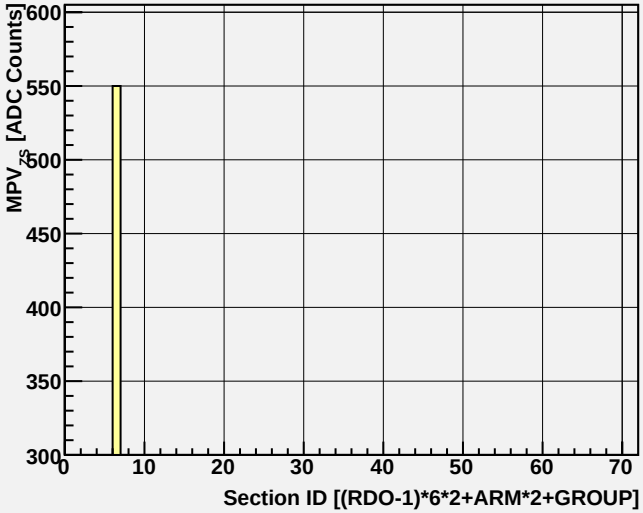

IST - Max ADC Time Bin (non-ZS)
MaxTimeBin_nonZS
Entries 0
Mean 0
RMS 0
Time Bin Index


IST - Max ADC Time Bin (ZS)
MaxTimeBin_ZS
Entries 0
Mean 0
RMS 0
Time Bin Index

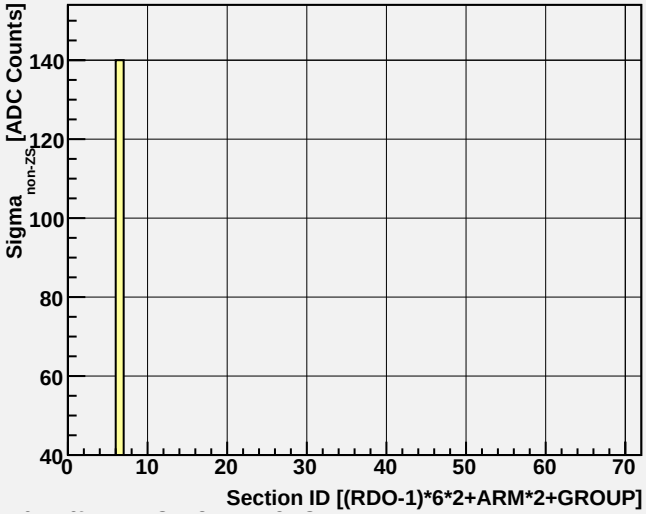
IST - MPV vs Section Id (non-ZS)



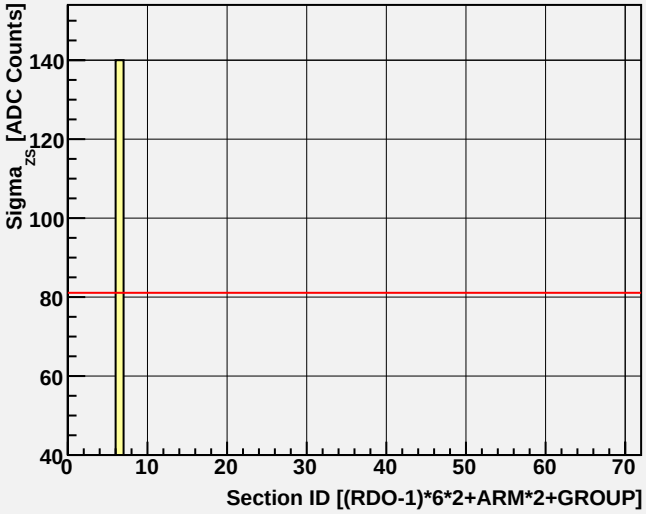
IST - MPV vs Section Id (ZS)

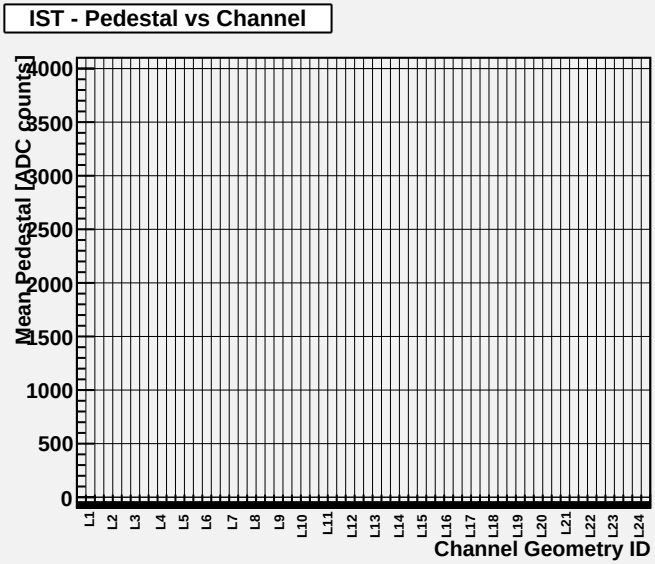


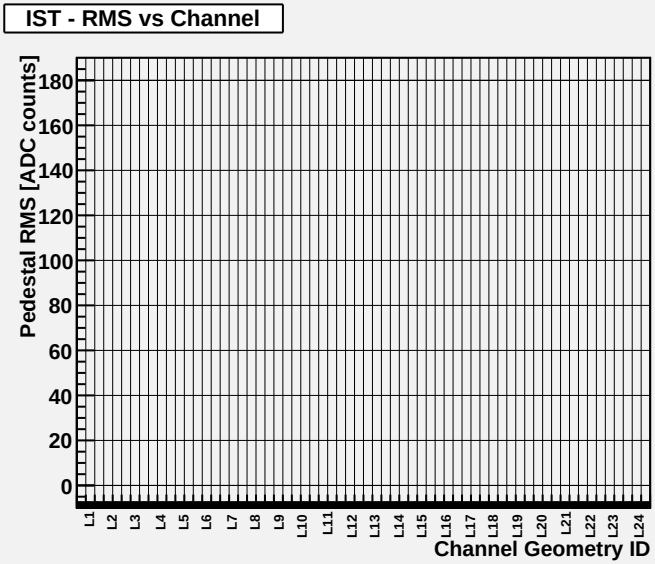
IST - Sigma vs Section Id (non-ZS)

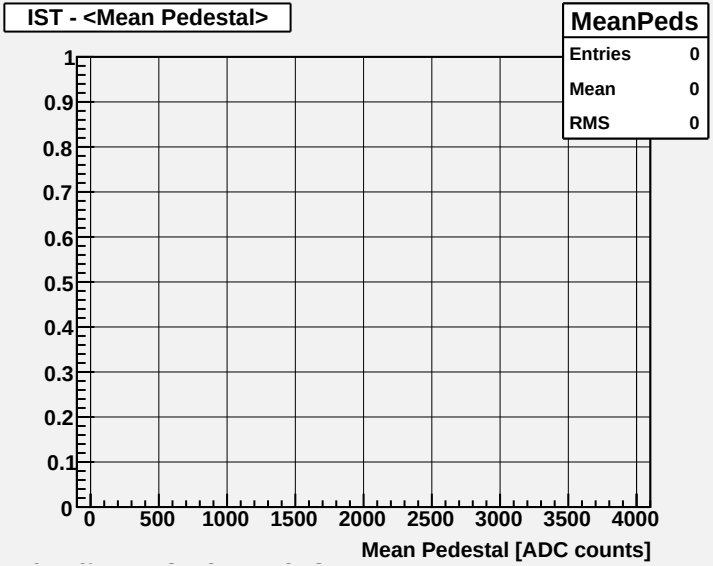


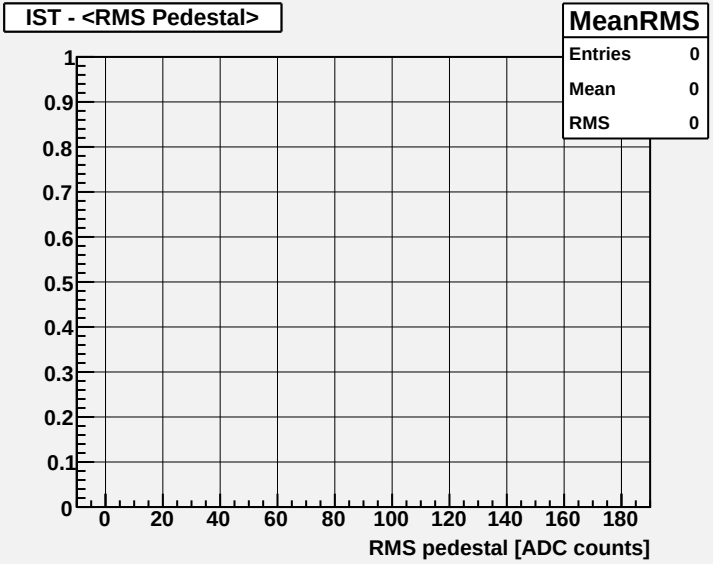
IST - Sigma vs Section Id (ZS)



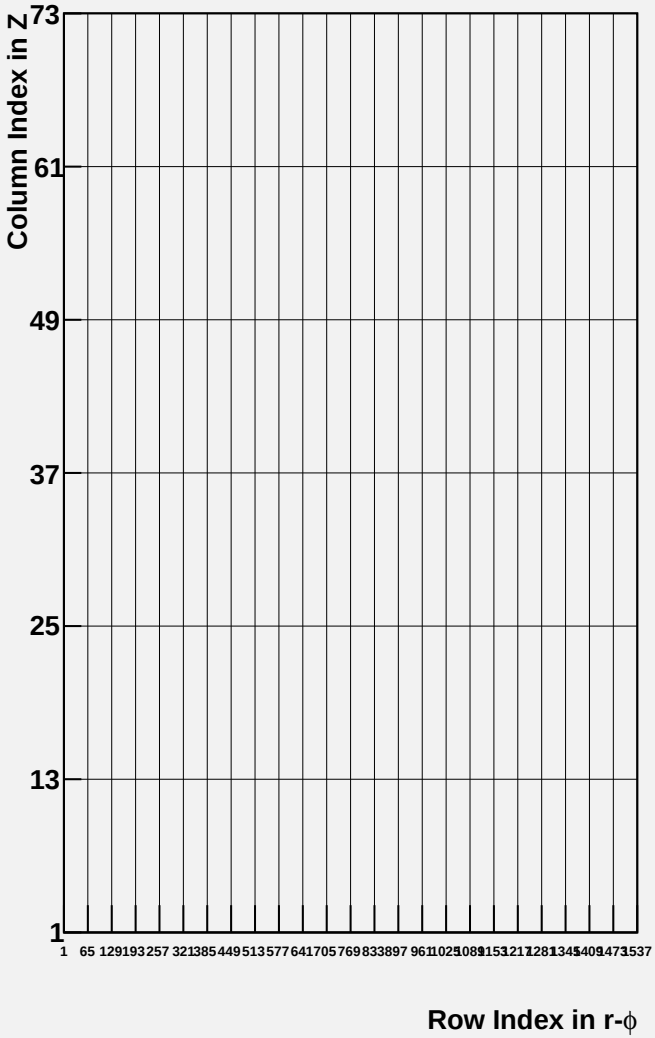

IST - Pedestal vs Channel
Mean Pedestal [ADC counts]
4000
3500
3000
2500
2000
1500
1000
500
0
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24
Channel Geometry ID


IST - RMS vs Channel
Pedestal RMS [ADC counts]
180
160
140
120
100
80
60
40
20
0
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24
Channel Geometry ID

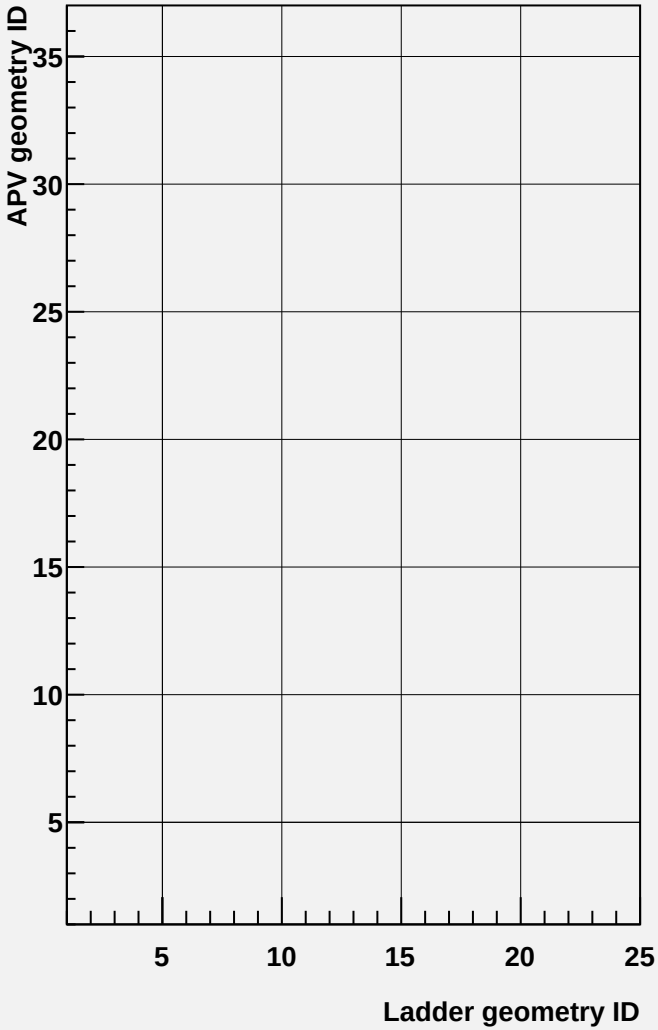

IST - <Mean Pedestal>
MeanPeds
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 500 1000 1500 2000 2500 3000 3500 4000
Mean Pedestal [ADC counts]


IST - <RMS Pedestal>
MeanRMS
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 20 40 60 80 100 120 140 160 180
RMS pedestal [ADC counts]

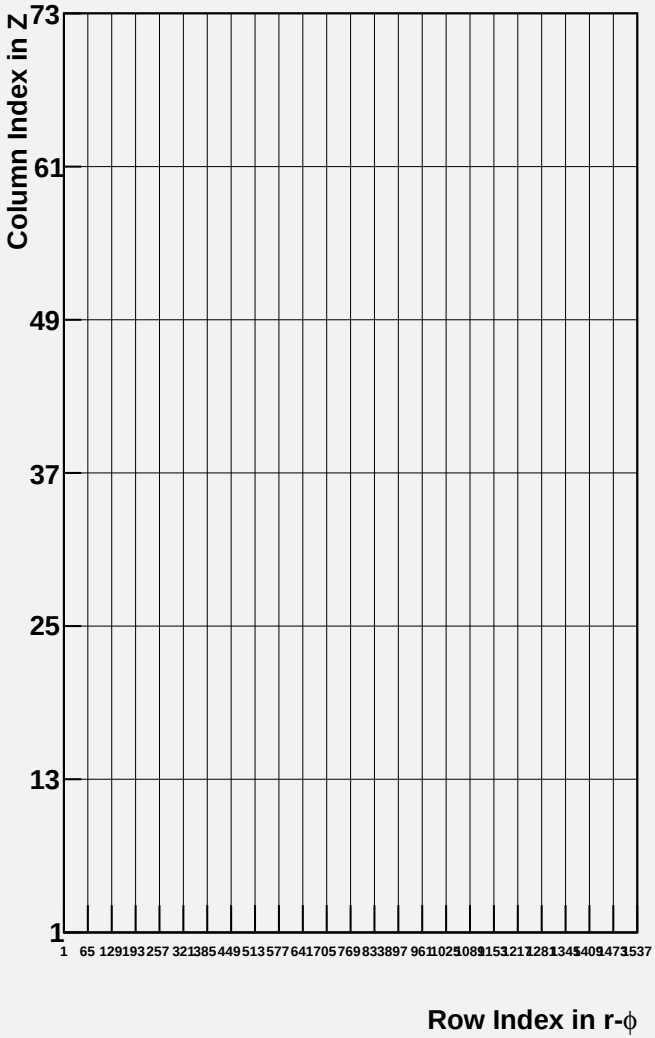
IST - Hit map (non-ZS)



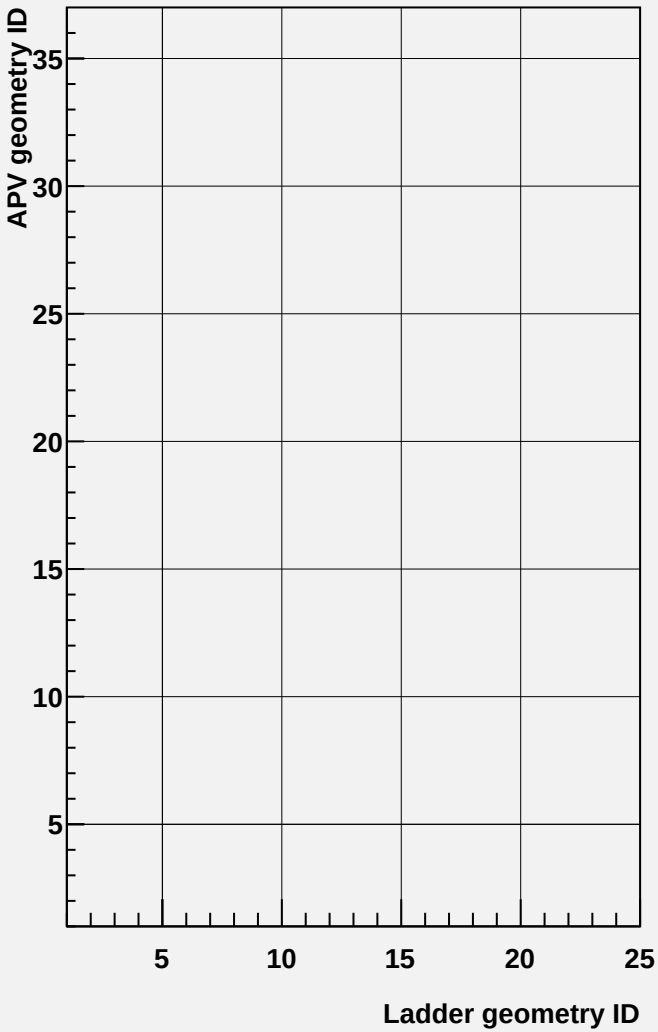
IST - Hit map in Ladder vs APV (non-ZS)



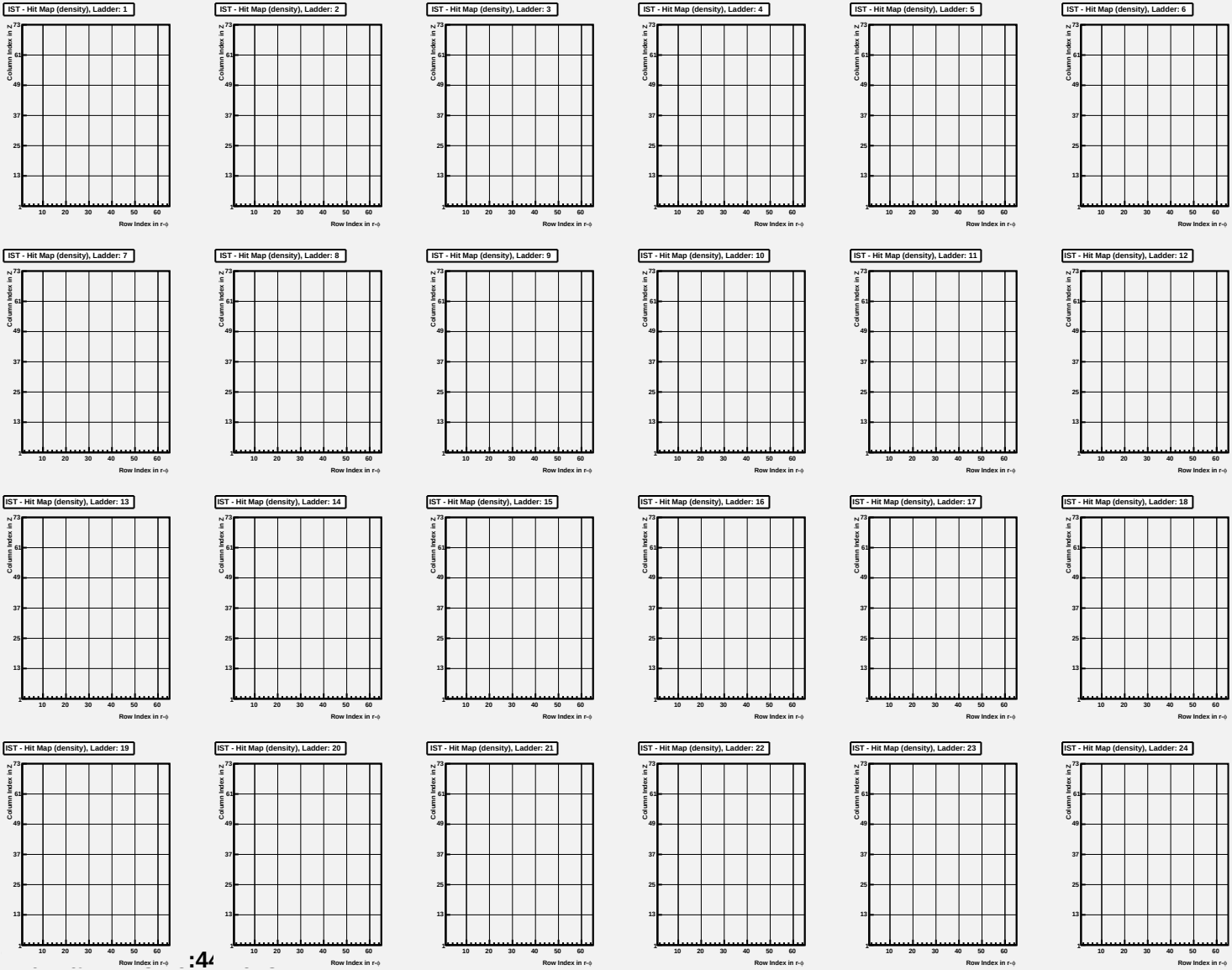
IST - Hit map (ZS)

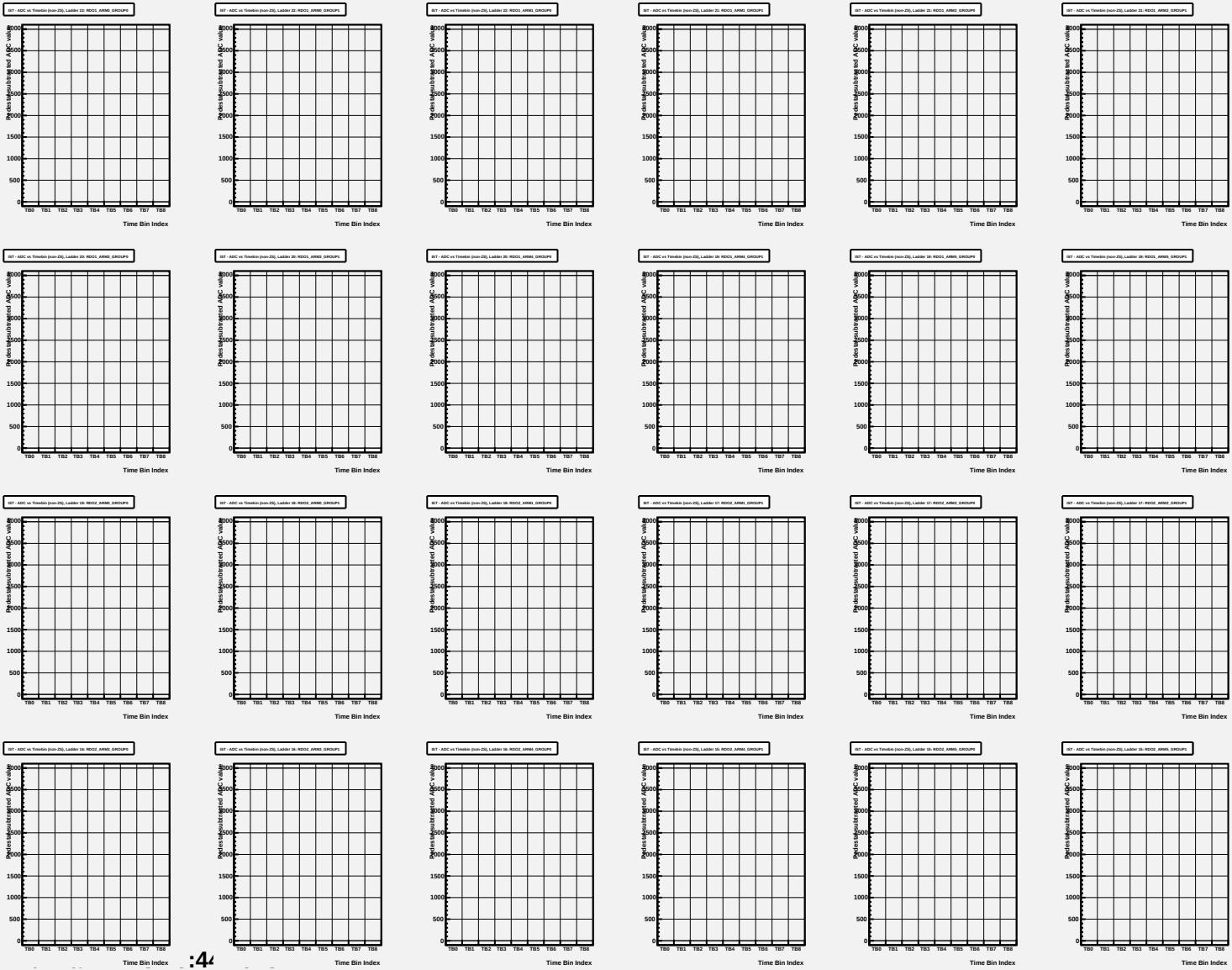


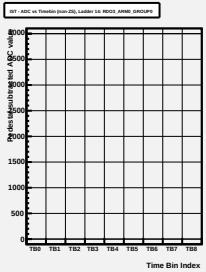
IST - Hit map in Ladder vs APV (ZS)

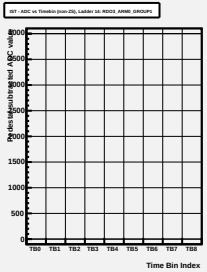


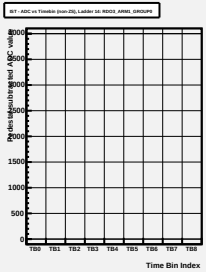
IST - ADC vs Channel Id, Ladder: 1
IST - ADC vs Channel Id, Ladder: 2
IST - ADC vs Channel Id, Ladder: 3
IST - ADC vs Channel Id, Ladder: 4
IST - ADC vs Channel Id, Ladder: 5
IST - ADC vs Channel Id, Ladder: 6
IST - ADC vs Channel Id, Ladder: 7
IST - ADC vs Channel Id, Ladder: 8
IST - ADC vs Channel Id, Ladder: 9
ST - ADC vs Channel Id, Ladder: 10
ST - ADC vs Channel Id, Ladder: 11
ST - ADC vs Channel Id, Ladder: 12
ST - ADC vs Channel Id, Ladder: 13
ST - ADC vs Channel Id, Ladder: 14
ST - ADC vs Channel Id, Ladder: 15
ST - ADC vs Channel Id, Ladder: 16
ST - ADC vs Channel Id, Ladder: 17
ST - ADC vs Channel Id, Ladder: 18
ST - ADC vs Channel Id, Ladder: 19
ST - ADC vs Channel Id, Ladder: 20
ST - ADC vs Channel Id, Ladder: 21
ST - ADC vs Channel Id, Ladder: 22
ST - ADC vs Channel Id, Ladder: 23
ST - ADC vs Channel Id, Ladder: 24
ADC value
Channel Electronics Index

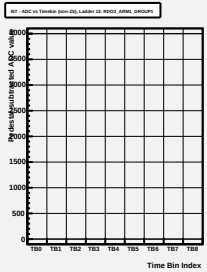

IST - Hit Map (density), Ladder: 1
IST - Hit Map (density), Ladder: 2
IST - Hit Map (density), Ladder: 3
IST - Hit Map (density), Ladder: 4
IST - Hit Map (density), Ladder: 5
IST - Hit Map (density), Ladder: 6
IST - Hit Map (density), Ladder: 7
IST - Hit Map (density), Ladder: 8
IST - Hit Map (density), Ladder: 9
IST - Hit Map (density), Ladder: 10
IST - Hit Map (density), Ladder: 11
IST - Hit Map (density), Ladder: 12
IST - Hit Map (density), Ladder: 13
IST - Hit Map (density), Ladder: 14
IST - Hit Map (density), Ladder: 15
IST - Hit Map (density), Ladder: 16
IST - Hit Map (density), Ladder: 17
IST - Hit Map (density), Ladder: 18
IST - Hit Map (density), Ladder: 19
IST - Hit Map (density), Ladder: 20
IST - Hit Map (density), Ladder: 21
IST - Hit Map (density), Ladder: 22
IST - Hit Map (density), Ladder: 23
IST - Hit Map (density), Ladder: 24
Column Index in Z
Row Index in r-ϕ
1
13
25
37
49
61
73
10
20
30
40
50
60

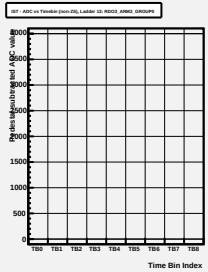

BIT - ADC vs Timestim (non-ZS), Ladder 22: RDO1_ARM0_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 22: RDO1_ARM0_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 22: RDO1_ARM1_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 21: RDO1_ARM1_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 21: RDO1_ARM2_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 21: RDO1_ARM2_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 20: RDO1_ARM3_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 20: RDO1_ARM3_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 20: RDO1_ARM4_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 19: RDO1_ARM4_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 19: RDO1_ARM5_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 19: RDO1_ARM5_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 18: RDO2_ARM0_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 18: RDO2_ARM0_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 18: RDO2_ARM1_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 17: RDO2_ARM1_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 17: RDO2_ARM2_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 17: RDO2_ARM2_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 16: RDO2_ARM3_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 16: RDO2_ARM3_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 16: RDO2_ARM4_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 15: RDO2_ARM4_GROUP1
BIT - ADC vs Timestim (non-ZS), Ladder 15: RDO2_ARM5_GROUP0
BIT - ADC vs Timestim (non-ZS), Ladder 15: RDO2_ARM5_GROUP1
Pedestal subtracted ADC value
Time Bin Index
TB0 TB1 TB2 TB3 TB4 TB5 TB6 TB7 TB8
0 500 1000 1500 2000 2500 3000 3500

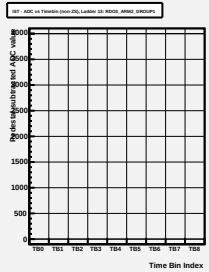

IST - ADC vs Timebin (non-Z0), Ladder 14: RDO3_ARM0_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

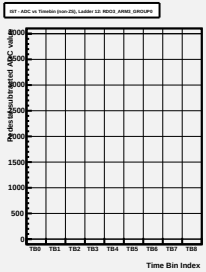

IST - ADC vs Timebin (non-Z0), Ladder 14: RDO3_ARM0_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

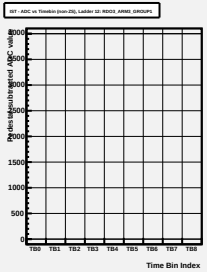

IST - ADC vs Timebin (non-Z0), Ladder 14: RDO3_ARM1_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

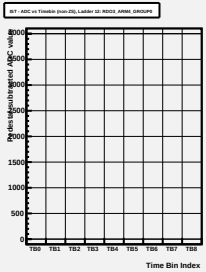

IST - ADC vs Timebin (non-Z0), Ladder 13: RDO3_ARM1_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

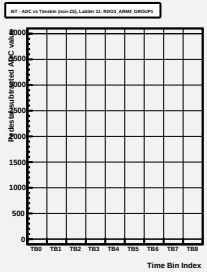

IST - ADC vs Timebin (non-Z0), Ladder 13: RDO3_ARM2_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

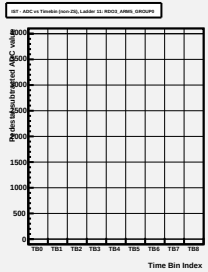

IST - ADC vs Timebin (non-Z0), Ladder 13: RDO3_ARM2_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

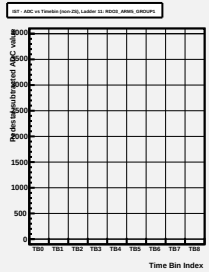

IST - ADC vs Timebin (non-Z0), Ladder 12: RDO3_ARM3_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

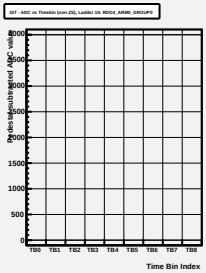

IST - ADC vs Timebin (non-Z0), Ladder 12: RDO3_ARM3_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

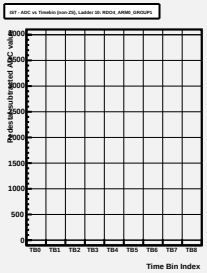

IST - ADC vs Timebin (non-Z0), Ladder 12: RDO3_ARM4_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

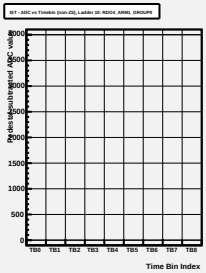

IST - ADC vs Timebin (non-Z0), Ladder 11: RDO3_ARM4_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

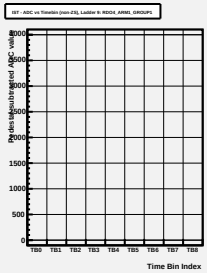

IST - ADC vs Timebin (non-Z0), Ladder 11: RDO3_ARM5_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

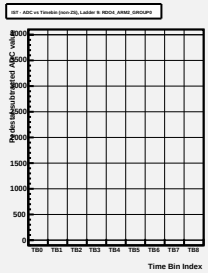

IST - ADC vs Timebin (non-Z0), Ladder 11: RDO3_ARM5_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

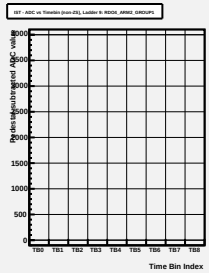

IST - ADC vs Timebin (non-Z0), Ladder 10: RDO4_ARM0_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

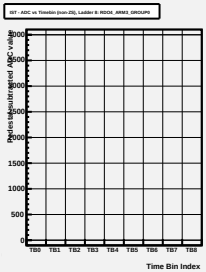

IST - ADC vs Timebin (non-Z0), Ladder 10: RDO4_ARM0_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

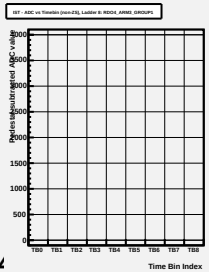

IST - ADC vs Timebin (non-Z0), Ladder 10: RDO4_ARM1_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

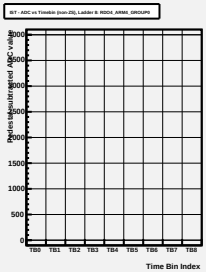

IST - ADC vs Timebin (non-Z0), Ladder 9: RDO4_ARM1_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

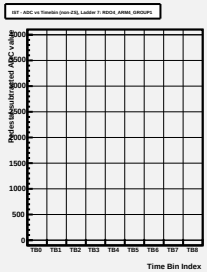

IST - ADC vs Timebin (non-Z0), Ladder 9: RDO4_ARM2_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

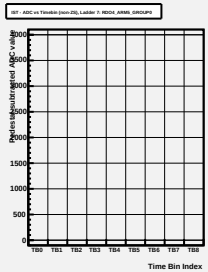

IST - ADC vs Timebin (non-Z0), Ladder 9: RDO4_ARM2_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

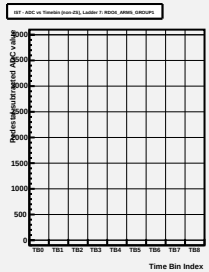

IST - ADC vs Timebin (non-Z0), Ladder 8: RDO4_ARM3_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

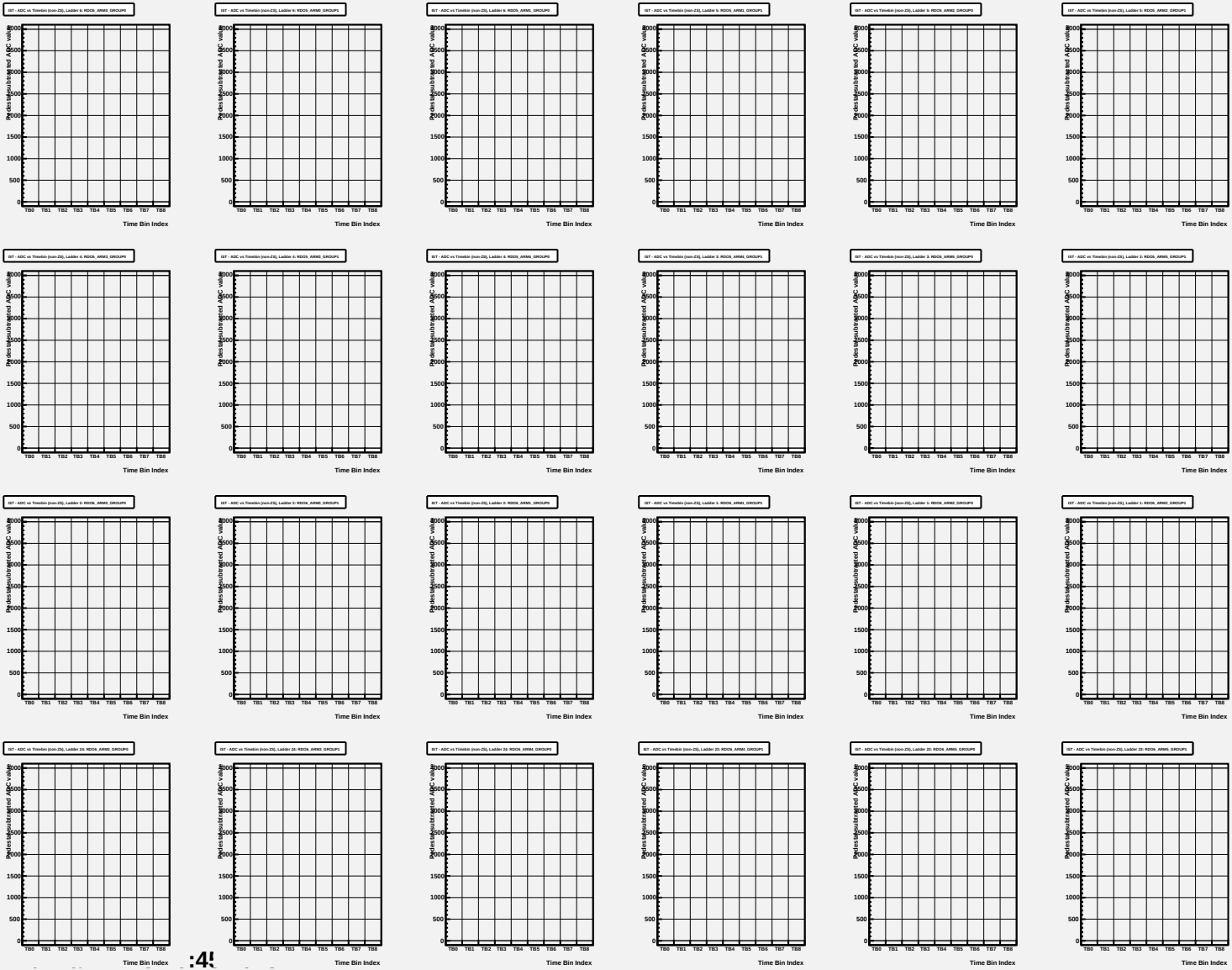

IST - ADC vs Timebin (non-Z0), Ladder 8: RDO4_ARM3_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

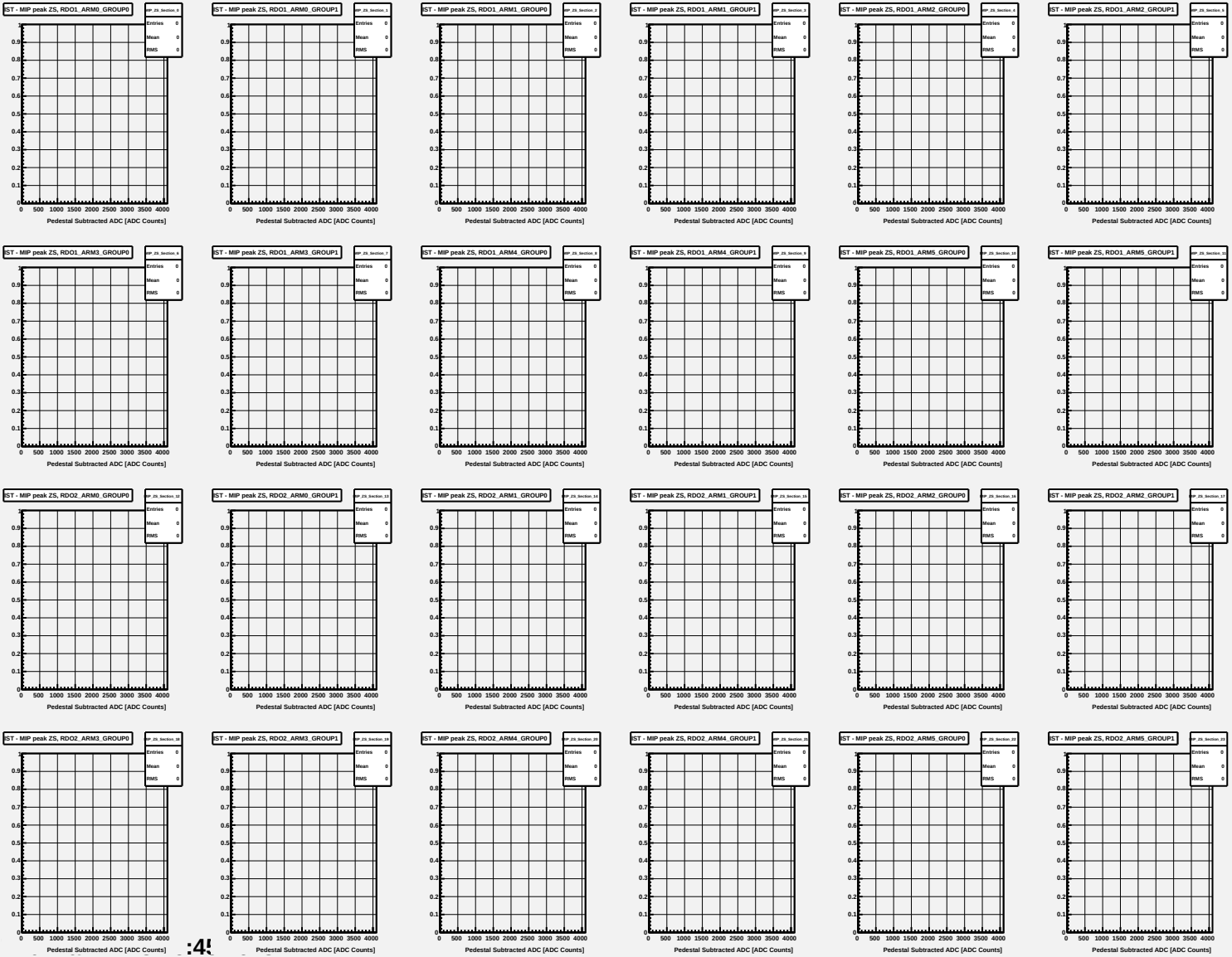

IST - ADC vs Timebin (non-Z0), Ladder 8: RDO4_ARM4_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

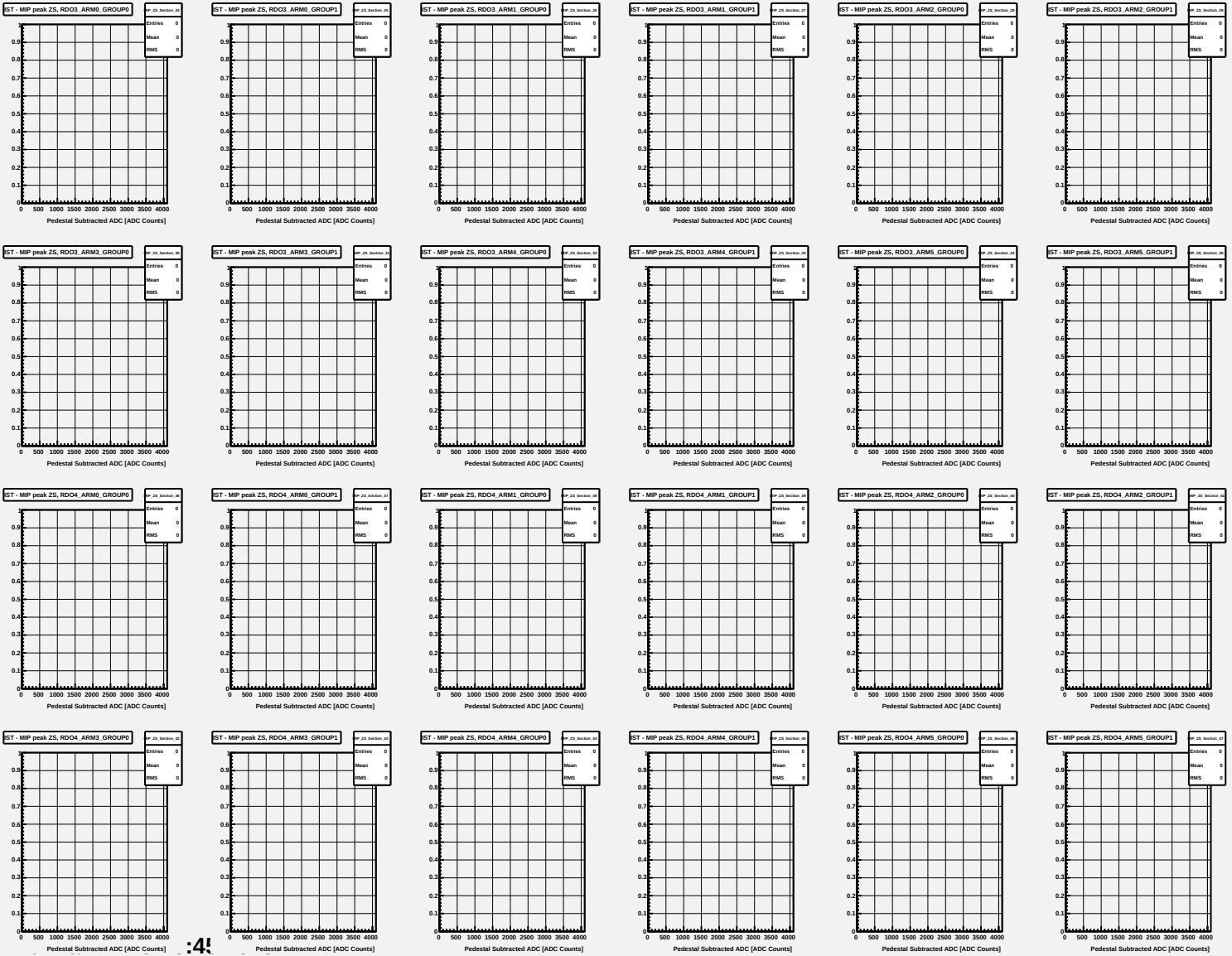

IST - ADC vs Timebin (non-Z0), Ladder 7: RDO4_ARM4_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

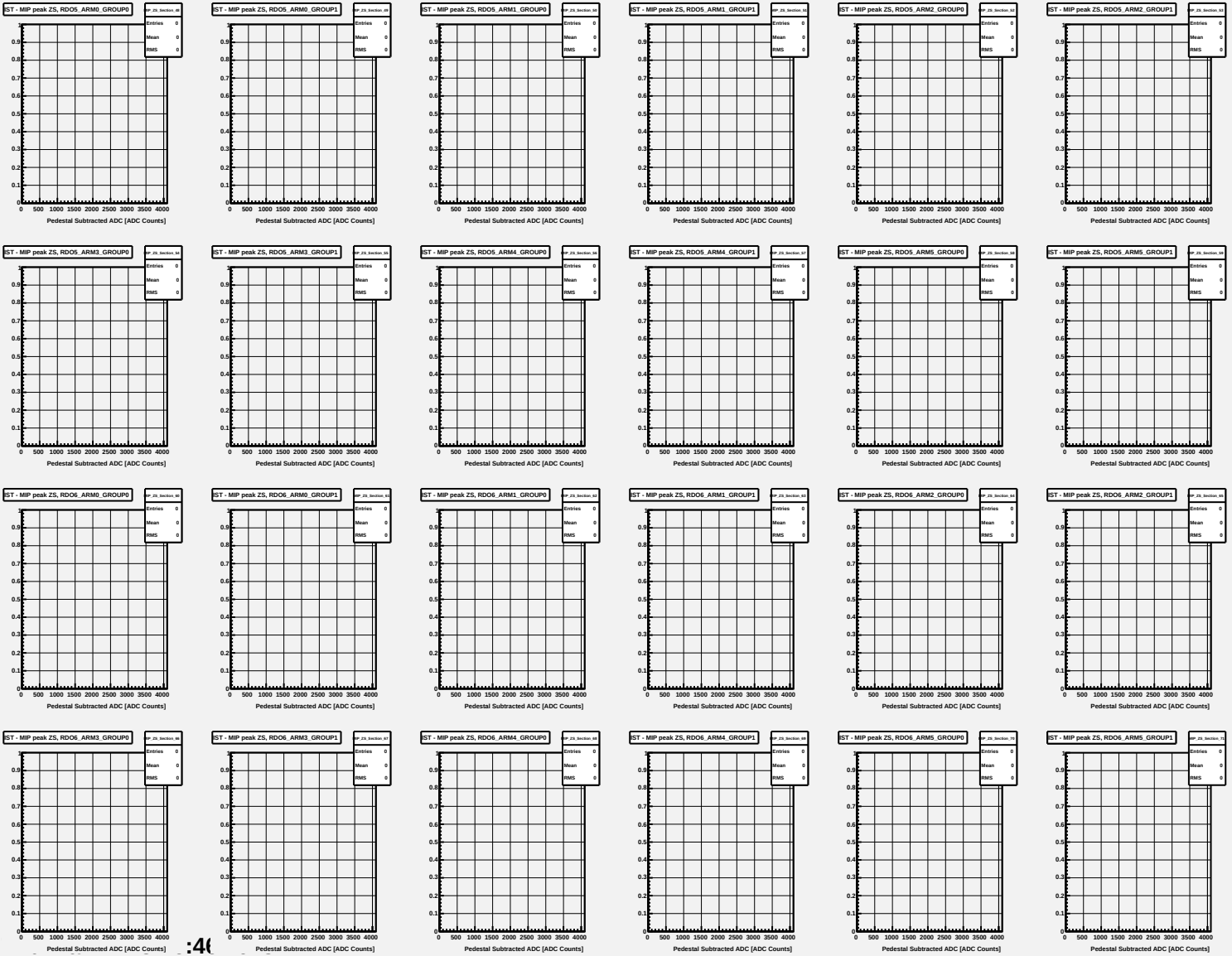

IST - ADC vs Timebin (non-Z0), Ladder 7: RDO4_ARM5_GROUP0
Pedestal-subtracted ADC value
Time Bin Index

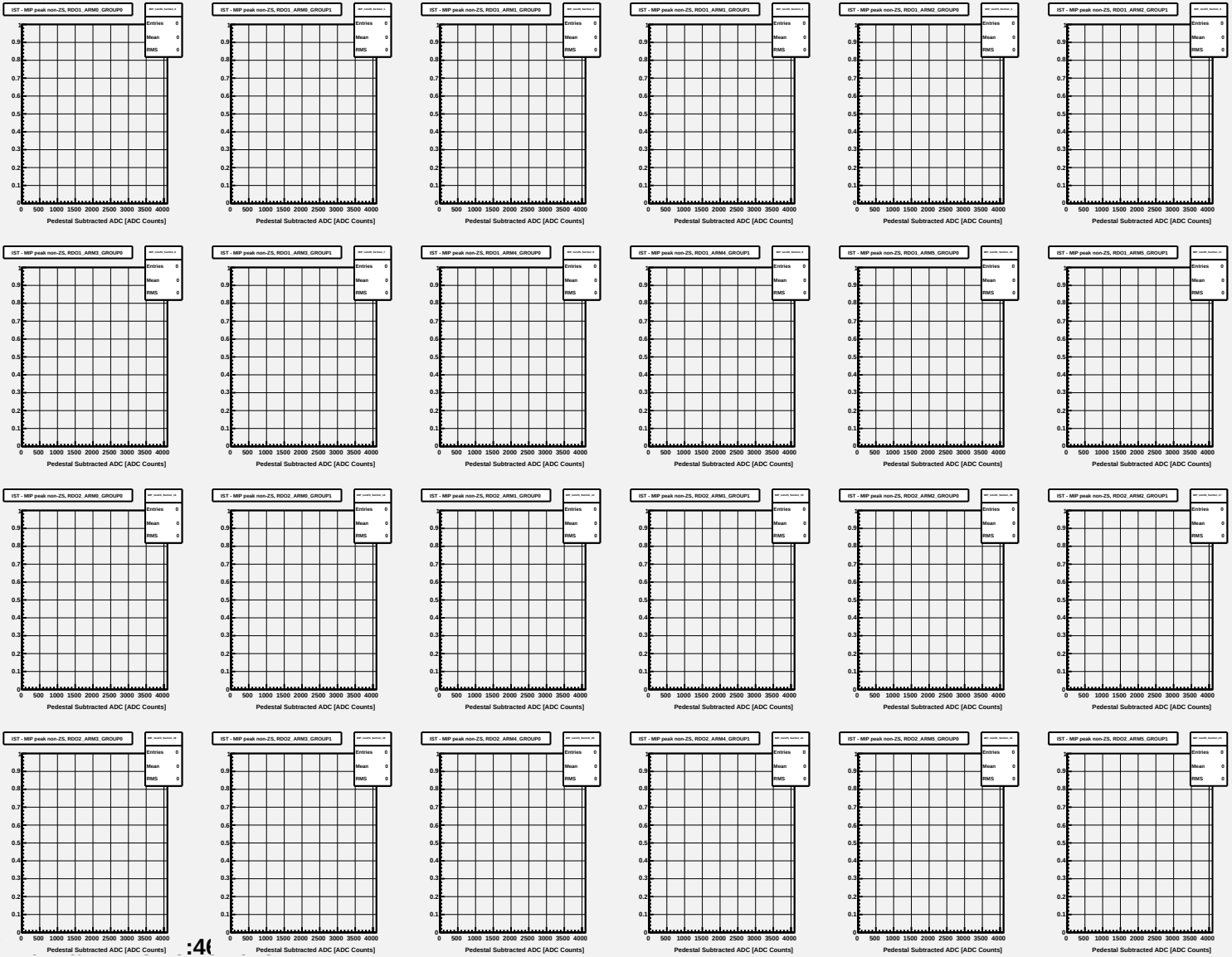

IST - ADC vs Timebin (non-Z0), Ladder 7: RDO4_ARM5_GROUP1
Pedestal-subtracted ADC value
Time Bin Index

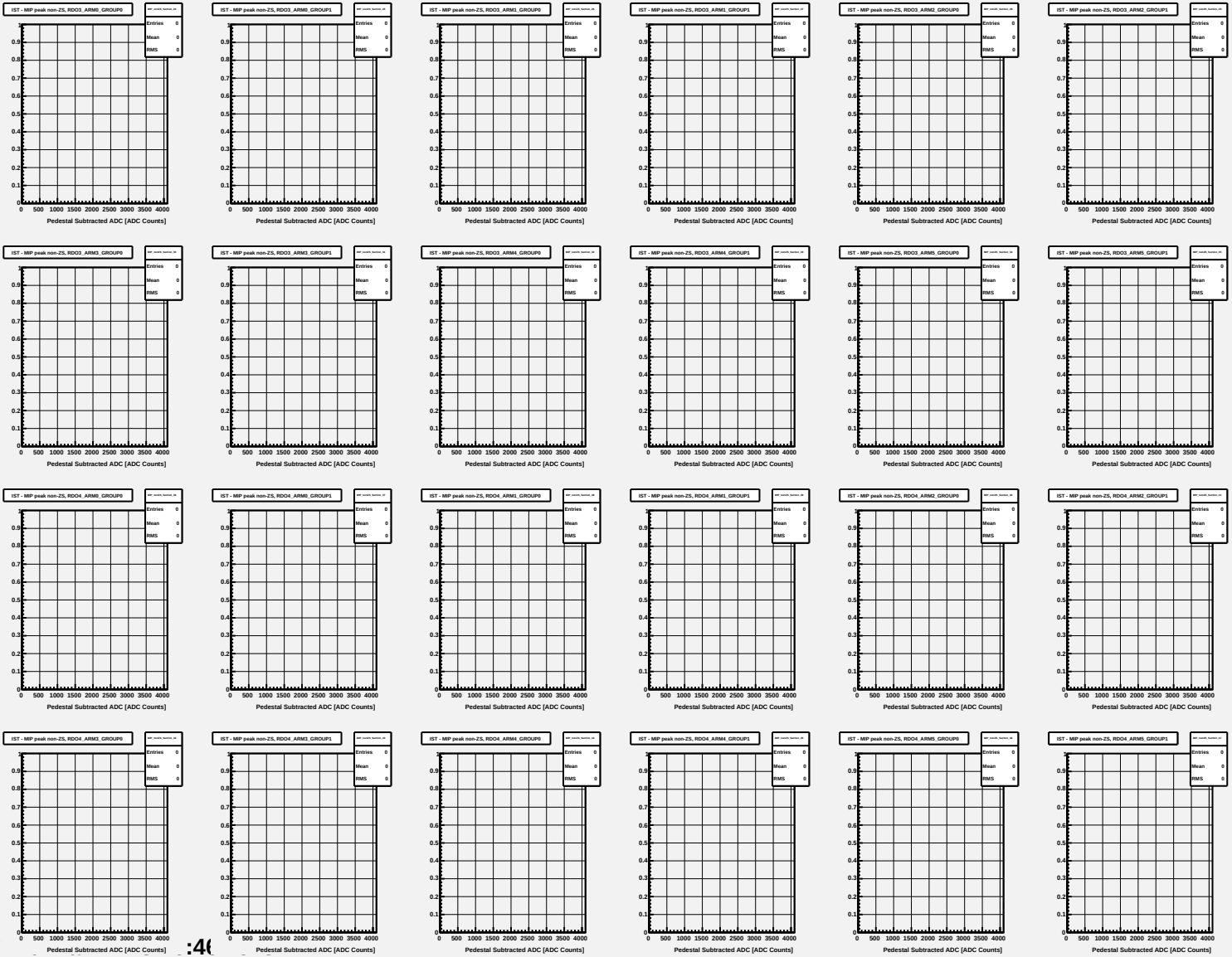

IST : ADC vs Timestim (non-ZS), Ladder 6: RD05_ARM0_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 6: RD05_ARM0_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 6: RD05_ARM1_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 5: RD05_ARM1_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 5: RD05_ARM2_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 5: RD05_ARM2_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 4: RD05_ARM3_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 4: RD05_ARM3_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 4: RD06_ARM0_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 3: RD06_ARM0_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 3: RD06_ARM6_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 3: RD06_ARM6_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 2: RD06_ARM9_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 2: RD06_ARM9_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 2: RD06_ARM1_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 1: RD06_ARM1_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 1: RD06_ARM2_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 1: RD06_ARM2_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 24: RD06_ARM3_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 24: RD06_ARM3_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 24: RD06_ARM4_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 23: RD06_ARM4_GROUP5
IST : ADC vs Timestim (non-ZS), Ladder 23: RD06_ARM5_GROUP0
IST : ADC vs Timestim (non-ZS), Ladder 23: RD06_ARM5_GROUP5
Pedestal subtracted ADC value
Time Bin Index
TB0 TB1 TB2 TB3 TB4 TB5 TB6 TB7 TB8
0 500 1000 1500 2000 2500 3000 3500

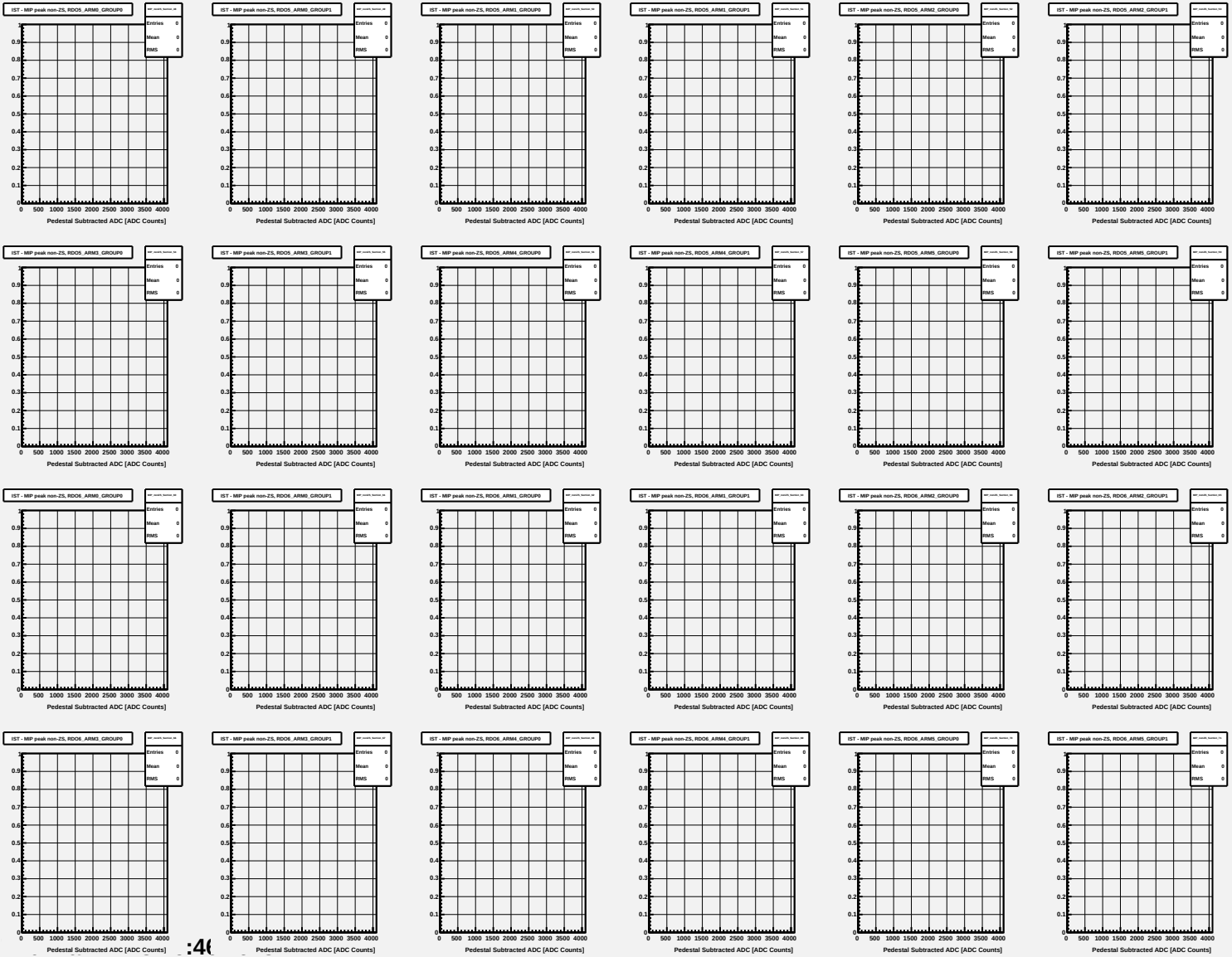

IST - MIP peak ZS, RDO1_ARM0_GROUP0
MIP_ZS_Section_0
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM0_GROUP1
MIP_ZS_Section_1
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM1_GROUP0
MIP_ZS_Section_2
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM1_GROUP1
MIP_ZS_Section_3
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM2_GROUP0
MIP_ZS_Section_4
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM2_GROUP1
MIP_ZS_Section_5
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM3_GROUP0
MIP_ZS_Section_6
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM3_GROUP1
MIP_ZS_Section_7
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM4_GROUP0
MIP_ZS_Section_8
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM4_GROUP1
MIP_ZS_Section_9
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM5_GROUP0
MIP_ZS_Section_10
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO1_ARM5_GROUP1
MIP_ZS_Section_11
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM0_GROUP0
MIP_ZS_Section_12
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM0_GROUP1
MIP_ZS_Section_13
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM1_GROUP0
MIP_ZS_Section_14
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM1_GROUP1
MIP_ZS_Section_15
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM2_GROUP0
MIP_ZS_Section_16
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM2_GROUP1
MIP_ZS_Section_17
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM3_GROUP0
MIP_ZS_Section_18
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM3_GROUP1
MIP_ZS_Section_19
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM4_GROUP0
MIP_ZS_Section_20
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM4_GROUP1
MIP_ZS_Section_21
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM5_GROUP0
MIP_ZS_Section_22
Entries 0
Mean 0
RMS 0
IST - MIP peak ZS, RDO2_ARM5_GROUP1
MIP_ZS_Section_23
Entries 0
Mean 0
RMS 0
Pedestal Subtracted ADC [ADC Counts]

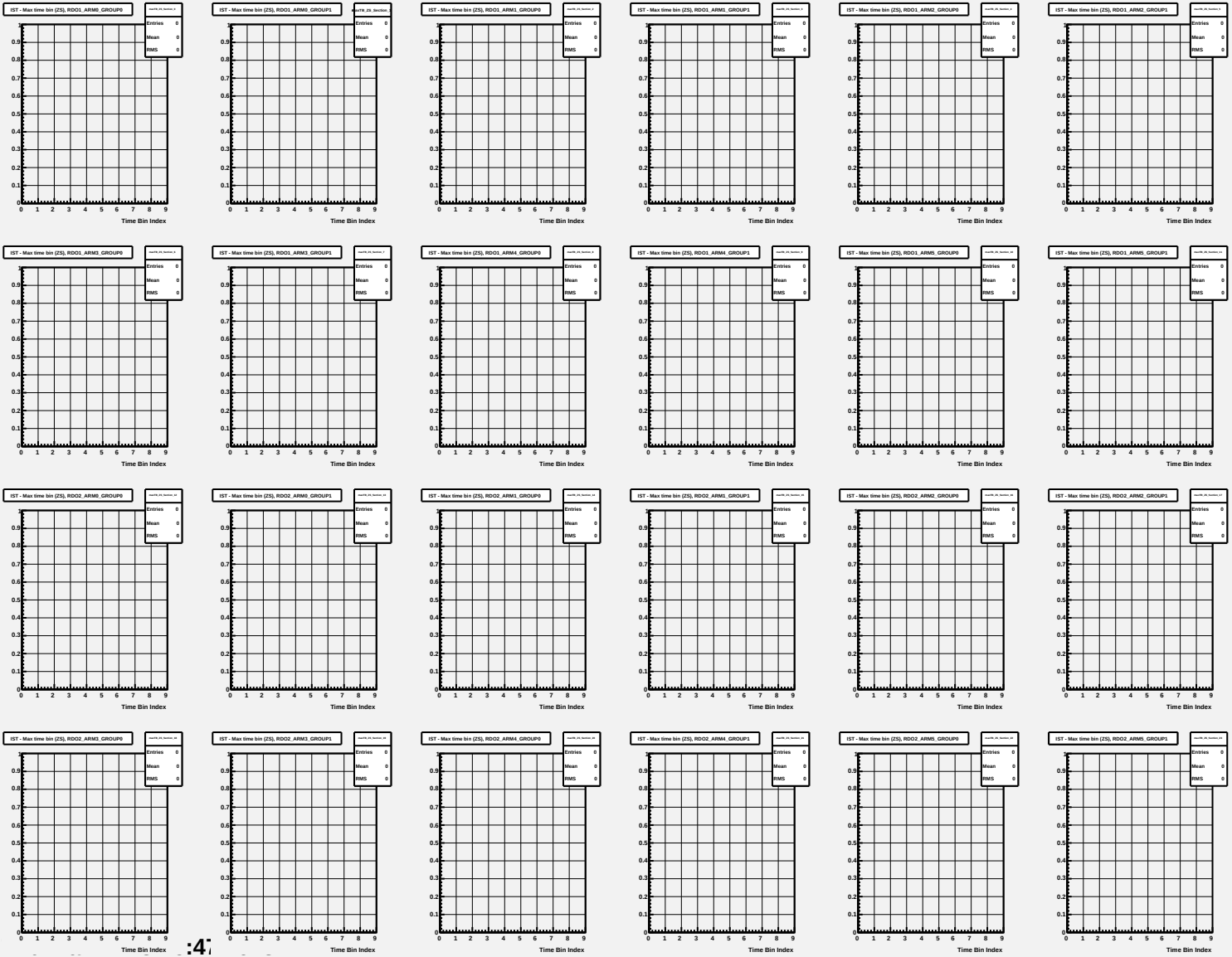

IST - MIP peak ZS, RDO3_ARM0_GROUP0
IST - MIP peak ZS, RDO3_ARM0_GROUP1
IST - MIP peak ZS, RDO3_ARM1_GROUP0
IST - MIP peak ZS, RDO3_ARM1_GROUP1
IST - MIP peak ZS, RDO3_ARM2_GROUP0
IST - MIP peak ZS, RDO3_ARM2_GROUP1
IST - MIP peak ZS, RDO3_ARM3_GROUP0
IST - MIP peak ZS, RDO3_ARM3_GROUP1
IST - MIP peak ZS, RDO3_ARM4_GROUP0
IST - MIP peak ZS, RDO3_ARM4_GROUP1
IST - MIP peak ZS, RDO3_ARM5_GROUP0
IST - MIP peak ZS, RDO3_ARM5_GROUP1
IST - MIP peak ZS, RDO4_ARM0_GROUP0
IST - MIP peak ZS, RDO4_ARM0_GROUP1
IST - MIP peak ZS, RDO4_ARM1_GROUP0
IST - MIP peak ZS, RDO4_ARM1_GROUP1
IST - MIP peak ZS, RDO4_ARM2_GROUP0
IST - MIP peak ZS, RDO4_ARM2_GROUP1
IST - MIP peak ZS, RDO4_ARM3_GROUP0
IST - MIP peak ZS, RDO4_ARM3_GROUP1
IST - MIP peak ZS, RDO4_ARM4_GROUP0
IST - MIP peak ZS, RDO4_ARM4_GROUP1
IST - MIP peak ZS, RDO4_ARM5_GROUP0
IST - MIP peak ZS, RDO4_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Pedestal Subtracted ADC [ADC Counts]

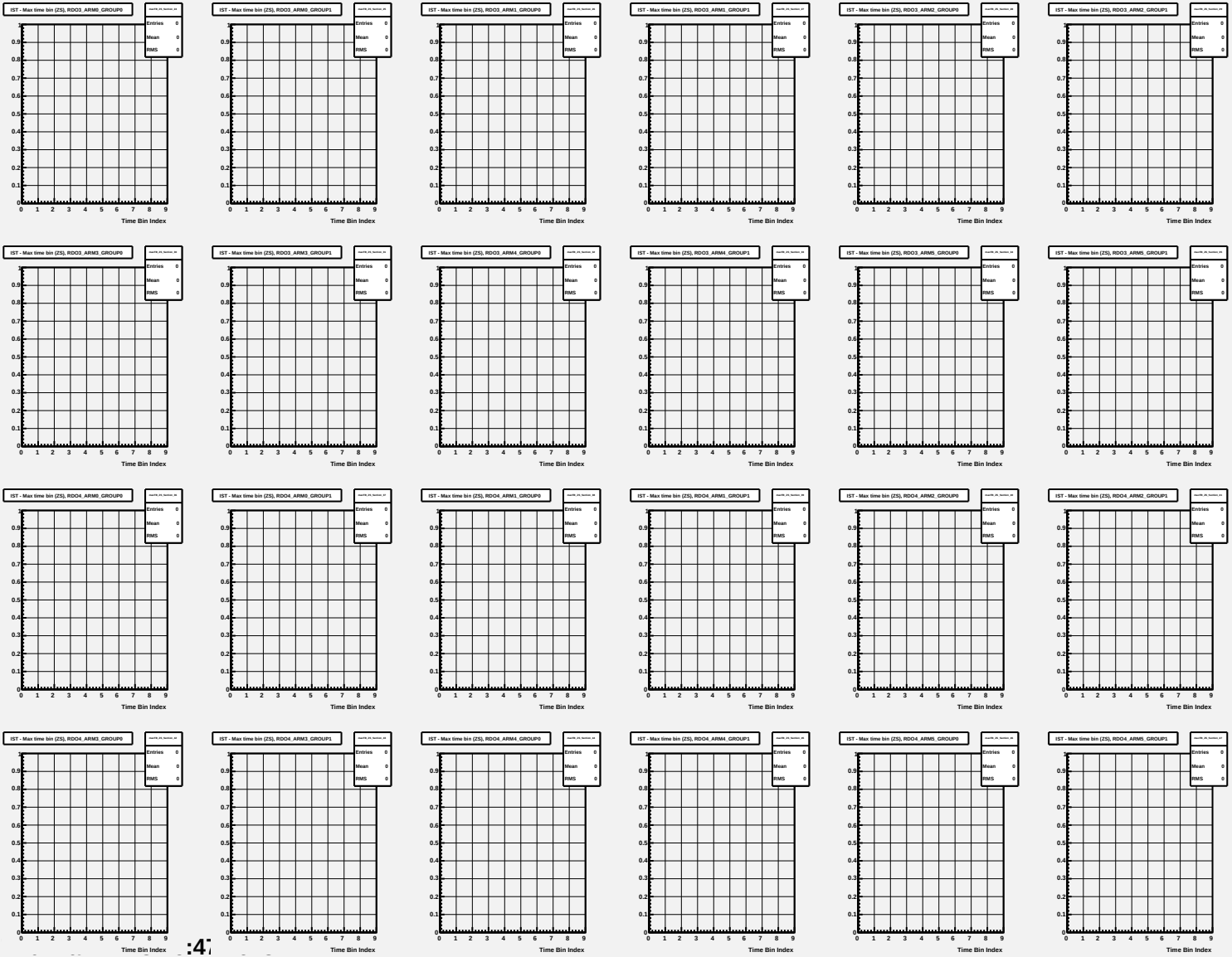

IST - MIP peak ZS, RDO5_ARM0_GROUP0
IST - MIP peak ZS, RDO5_ARM0_GROUP1
IST - MIP peak ZS, RDO5_ARM1_GROUP0
IST - MIP peak ZS, RDO5_ARM1_GROUP1
IST - MIP peak ZS, RDO5_ARM2_GROUP0
IST - MIP peak ZS, RDO5_ARM2_GROUP1
IST - MIP peak ZS, RDO5_ARM3_GROUP0
IST - MIP peak ZS, RDO5_ARM3_GROUP1
IST - MIP peak ZS, RDO5_ARM4_GROUP0
IST - MIP peak ZS, RDO5_ARM4_GROUP1
IST - MIP peak ZS, RDO5_ARM5_GROUP0
IST - MIP peak ZS, RDO5_ARM5_GROUP1
IST - MIP peak ZS, RDO6_ARM0_GROUP0
IST - MIP peak ZS, RDO6_ARM0_GROUP1
IST - MIP peak ZS, RDO6_ARM1_GROUP0
IST - MIP peak ZS, RDO6_ARM1_GROUP1
IST - MIP peak ZS, RDO6_ARM2_GROUP0
IST - MIP peak ZS, RDO6_ARM2_GROUP1
IST - MIP peak ZS, RDO6_ARM3_GROUP0
IST - MIP peak ZS, RDO6_ARM3_GROUP1
IST - MIP peak ZS, RDO6_ARM4_GROUP0
IST - MIP peak ZS, RDO6_ARM4_GROUP1
IST - MIP peak ZS, RDO6_ARM5_GROUP0
IST - MIP peak ZS, RDO6_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Pedestal Subtracted ADC [ADC Counts]

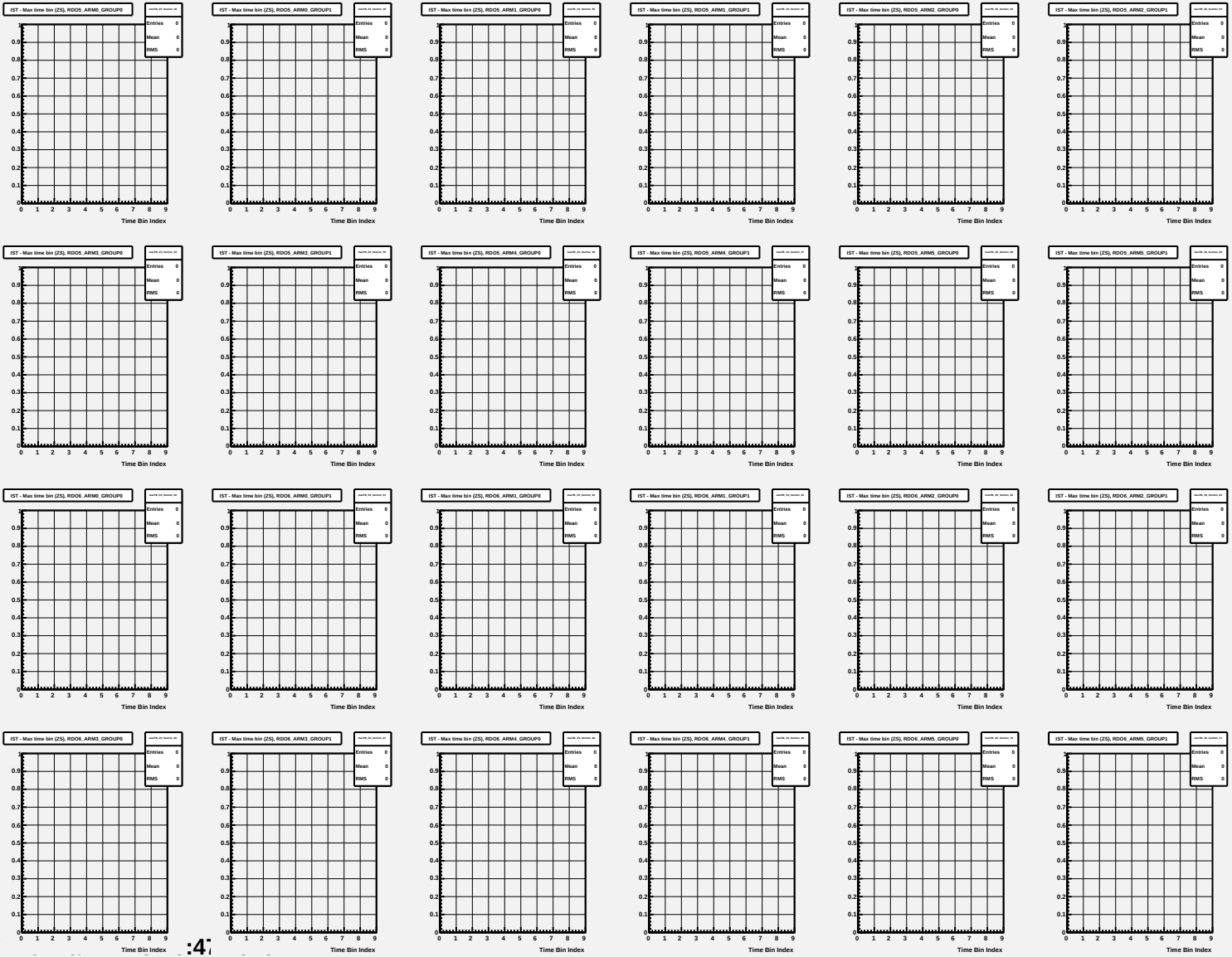

IST - MIP peak non-ZS, RDO1_ARM0_GROUP0
IST - MIP peak non-ZS, RDO1_ARM0_GROUP1
IST - MIP peak non-ZS, RDO1_ARM1_GROUP0
IST - MIP peak non-ZS, RDO1_ARM1_GROUP1
IST - MIP peak non-ZS, RDO1_ARM2_GROUP0
IST - MIP peak non-ZS, RDO1_ARM2_GROUP1
IST - MIP peak non-ZS, RDO1_ARM3_GROUP0
IST - MIP peak non-ZS, RDO1_ARM3_GROUP1
IST - MIP peak non-ZS, RDO1_ARM4_GROUP0
IST - MIP peak non-ZS, RDO1_ARM4_GROUP1
IST - MIP peak non-ZS, RDO1_ARM5_GROUP0
IST - MIP peak non-ZS, RDO1_ARM5_GROUP1
IST - MIP peak non-ZS, RDO2_ARM0_GROUP0
IST - MIP peak non-ZS, RDO2_ARM0_GROUP1
IST - MIP peak non-ZS, RDO2_ARM1_GROUP0
IST - MIP peak non-ZS, RDO2_ARM1_GROUP1
IST - MIP peak non-ZS, RDO2_ARM2_GROUP0
IST - MIP peak non-ZS, RDO2_ARM2_GROUP1
IST - MIP peak non-ZS, RDO2_ARM3_GROUP0
IST - MIP peak non-ZS, RDO2_ARM3_GROUP1
IST - MIP peak non-ZS, RDO2_ARM4_GROUP0
IST - MIP peak non-ZS, RDO2_ARM4_GROUP1
IST - MIP peak non-ZS, RDO2_ARM5_GROUP0
IST - MIP peak non-ZS, RDO2_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Pedestal Subtracted ADC [ADC Counts]

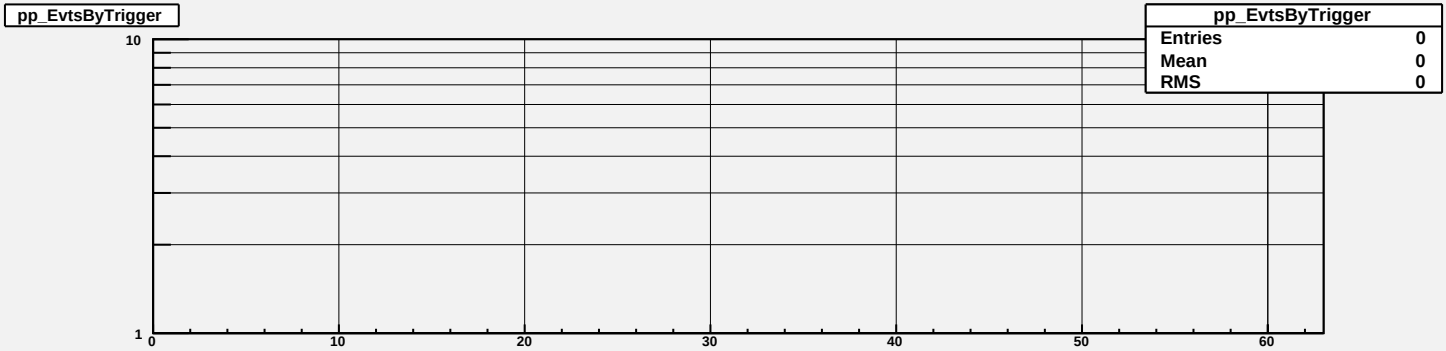

IST - MIP peak non-ZS, RDO3_ARM0_GROUP0
IST - MIP peak non-ZS, RDO3_ARM0_GROUP1
IST - MIP peak non-ZS, RDO3_ARM1_GROUP0
IST - MIP peak non-ZS, RDO3_ARM1_GROUP1
IST - MIP peak non-ZS, RDO3_ARM2_GROUP0
IST - MIP peak non-ZS, RDO3_ARM2_GROUP1
IST - MIP peak non-ZS, RDO3_ARM3_GROUP0
IST - MIP peak non-ZS, RDO3_ARM3_GROUP1
IST - MIP peak non-ZS, RDO3_ARM4_GROUP0
IST - MIP peak non-ZS, RDO3_ARM4_GROUP1
IST - MIP peak non-ZS, RDO3_ARM5_GROUP0
IST - MIP peak non-ZS, RDO3_ARM5_GROUP1
IST - MIP peak non-ZS, RDO4_ARM0_GROUP0
IST - MIP peak non-ZS, RDO4_ARM0_GROUP1
IST - MIP peak non-ZS, RDO4_ARM1_GROUP0
IST - MIP peak non-ZS, RDO4_ARM1_GROUP1
IST - MIP peak non-ZS, RDO4_ARM2_GROUP0
IST - MIP peak non-ZS, RDO4_ARM2_GROUP1
IST - MIP peak non-ZS, RDO4_ARM3_GROUP0
IST - MIP peak non-ZS, RDO4_ARM3_GROUP1
IST - MIP peak non-ZS, RDO4_ARM4_GROUP0
IST - MIP peak non-ZS, RDO4_ARM4_GROUP1
IST - MIP peak non-ZS, RDO4_ARM5_GROUP0
IST - MIP peak non-ZS, RDO4_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Pedestal Subtracted ADC [ADC Counts]

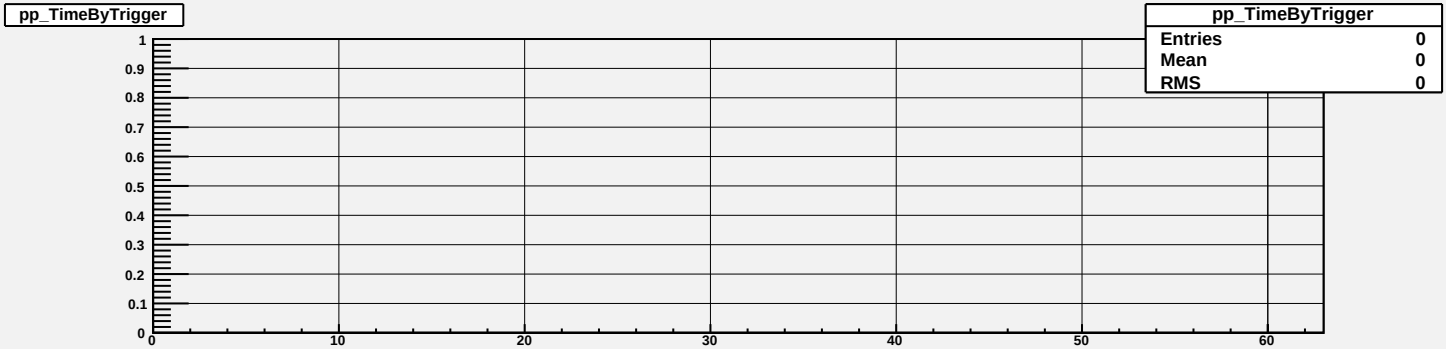

IST - MIP peak non-ZS, RD05_ARM0_GROUP0
IST - MIP peak non-ZS, RD05_ARM0_GROUP1
IST - MIP peak non-ZS, RD05_ARM1_GROUP0
IST - MIP peak non-ZS, RD05_ARM1_GROUP1
IST - MIP peak non-ZS, RD05_ARM2_GROUP0
IST - MIP peak non-ZS, RD05_ARM2_GROUP1
IST - MIP peak non-ZS, RD05_ARM3_GROUP0
IST - MIP peak non-ZS, RD05_ARM3_GROUP1
IST - MIP peak non-ZS, RD05_ARM4_GROUP0
IST - MIP peak non-ZS, RD05_ARM4_GROUP1
IST - MIP peak non-ZS, RD05_ARM5_GROUP0
IST - MIP peak non-ZS, RD05_ARM5_GROUP1
IST - MIP peak non-ZS, RD06_ARM0_GROUP0
IST - MIP peak non-ZS, RD06_ARM0_GROUP1
IST - MIP peak non-ZS, RD06_ARM1_GROUP0
IST - MIP peak non-ZS, RD06_ARM1_GROUP1
IST - MIP peak non-ZS, RD06_ARM2_GROUP0
IST - MIP peak non-ZS, RD06_ARM2_GROUP1
IST - MIP peak non-ZS, RD06_ARM3_GROUP0
IST - MIP peak non-ZS, RD06_ARM3_GROUP1
IST - MIP peak non-ZS, RD06_ARM4_GROUP0
IST - MIP peak non-ZS, RD06_ARM4_GROUP1
IST - MIP peak non-ZS, RD06_ARM5_GROUP0
IST - MIP peak non-ZS, RD06_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Pedestal Subtracted ADC [ADC Counts]

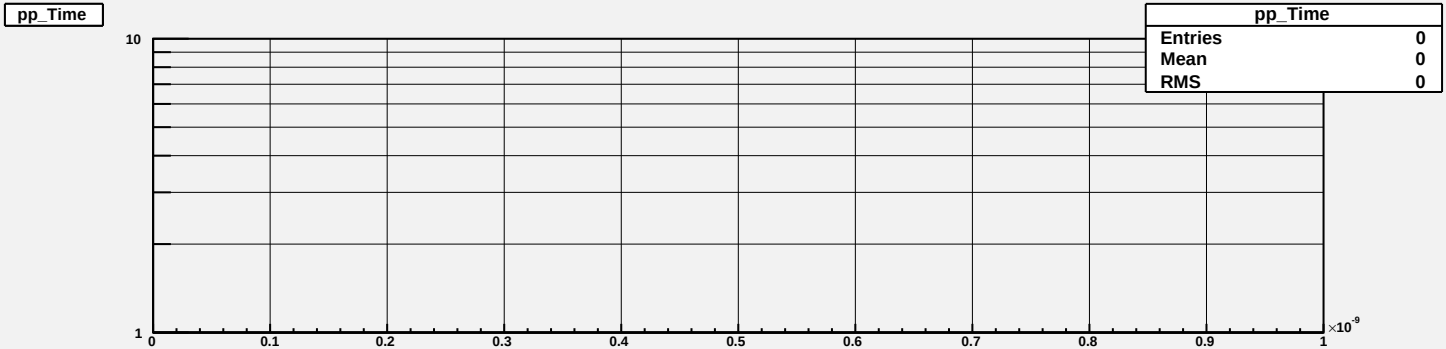

IST - Max time bin (ZS), RDO1_ARM0_GROUP0
IST - Max time bin (ZS), RDO1_ARM0_GROUP1
IST - Max time bin (ZS), RDO1_ARM1_GROUP0
IST - Max time bin (ZS), RDO1_ARM1_GROUP1
IST - Max time bin (ZS), RDO1_ARM2_GROUP0
IST - Max time bin (ZS), RDO1_ARM2_GROUP1
IST - Max time bin (ZS), RDO1_ARM3_GROUP0
IST - Max time bin (ZS), RDO1_ARM3_GROUP1
IST - Max time bin (ZS), RDO1_ARM4_GROUP0
IST - Max time bin (ZS), RDO1_ARM4_GROUP1
IST - Max time bin (ZS), RDO1_ARM5_GROUP0
IST - Max time bin (ZS), RDO1_ARM5_GROUP1
IST - Max time bin (ZS), RDO2_ARM0_GROUP0
IST - Max time bin (ZS), RDO2_ARM0_GROUP1
IST - Max time bin (ZS), RDO2_ARM1_GROUP0
IST - Max time bin (ZS), RDO2_ARM1_GROUP1
IST - Max time bin (ZS), RDO2_ARM2_GROUP0
IST - Max time bin (ZS), RDO2_ARM2_GROUP1
IST - Max time bin (ZS), RDO2_ARM3_GROUP0
IST - Max time bin (ZS), RDO2_ARM3_GROUP1
IST - Max time bin (ZS), RDO2_ARM4_GROUP0
IST - Max time bin (ZS), RDO2_ARM4_GROUP1
IST - Max time bin (ZS), RDO2_ARM5_GROUP0
IST - Max time bin (ZS), RDO2_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Time Bin Index


IST - Max time bin (ZS), RDO3_ARM0_GROUP0
IST - Max time bin (ZS), RDO3_ARM0_GROUP1
IST - Max time bin (ZS), RDO3_ARM1_GROUP0
IST - Max time bin (ZS), RDO3_ARM1_GROUP1
IST - Max time bin (ZS), RDO3_ARM2_GROUP0
IST - Max time bin (ZS), RDO3_ARM2_GROUP1
IST - Max time bin (ZS), RDO3_ARM3_GROUP0
IST - Max time bin (ZS), RDO3_ARM3_GROUP1
IST - Max time bin (ZS), RDO3_ARM4_GROUP0
IST - Max time bin (ZS), RDO3_ARM4_GROUP1
IST - Max time bin (ZS), RDO3_ARM5_GROUP0
IST - Max time bin (ZS), RDO3_ARM5_GROUP1
IST - Max time bin (ZS), RDO4_ARM0_GROUP0
IST - Max time bin (ZS), RDO4_ARM0_GROUP1
IST - Max time bin (ZS), RDO4_ARM1_GROUP0
IST - Max time bin (ZS), RDO4_ARM1_GROUP1
IST - Max time bin (ZS), RDO4_ARM2_GROUP0
IST - Max time bin (ZS), RDO4_ARM2_GROUP1
IST - Max time bin (ZS), RDO4_ARM3_GROUP0
IST - Max time bin (ZS), RDO4_ARM3_GROUP1
IST - Max time bin (ZS), RDO4_ARM4_GROUP0
IST - Max time bin (ZS), RDO4_ARM4_GROUP1
IST - Max time bin (ZS), RDO4_ARM5_GROUP0
IST - Max time bin (ZS), RDO4_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Time Bin Index

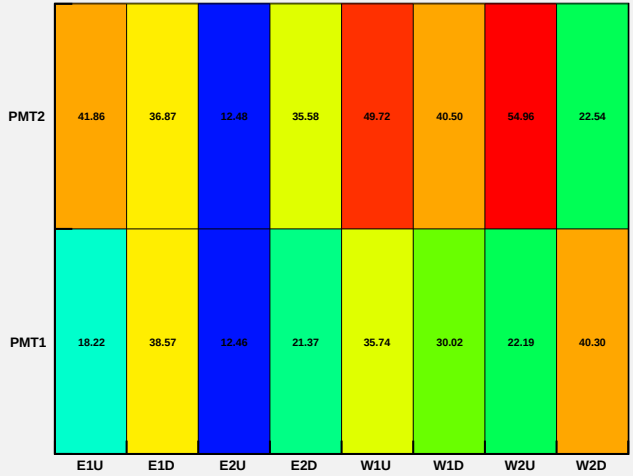

IST - Max time bin (ZS), RDO5_ARM0_GROUP0
IST - Max time bin (ZS), RDO5_ARM0_GROUP1
IST - Max time bin (ZS), RDO5_ARM1_GROUP0
IST - Max time bin (ZS), RDO5_ARM1_GROUP1
IST - Max time bin (ZS), RDO5_ARM2_GROUP0
IST - Max time bin (ZS), RDO5_ARM2_GROUP1
IST - Max time bin (ZS), RDO5_ARM3_GROUP0
IST - Max time bin (ZS), RDO5_ARM3_GROUP1
IST - Max time bin (ZS), RDO5_ARM4_GROUP0
IST - Max time bin (ZS), RDO5_ARM4_GROUP1
IST - Max time bin (ZS), RDO5_ARM5_GROUP0
IST - Max time bin (ZS), RDO5_ARM5_GROUP1
IST - Max time bin (ZS), RDO6_ARM0_GROUP0
IST - Max time bin (ZS), RDO6_ARM0_GROUP1
IST - Max time bin (ZS), RDO6_ARM1_GROUP0
IST - Max time bin (ZS), RDO6_ARM1_GROUP1
IST - Max time bin (ZS), RDO6_ARM2_GROUP0
IST - Max time bin (ZS), RDO6_ARM2_GROUP1
IST - Max time bin (ZS), RDO6_ARM3_GROUP0
IST - Max time bin (ZS), RDO6_ARM3_GROUP1
IST - Max time bin (ZS), RDO6_ARM4_GROUP0
IST - Max time bin (ZS), RDO6_ARM4_GROUP1
IST - Max time bin (ZS), RDO6_ARM5_GROUP0
IST - Max time bin (ZS), RDO6_ARM5_GROUP1
Entries 0
Mean 0
RMS 0
Time Bin Index


pp_EvtsByTrigger
pp_EvtsByTrigger
Entries 0
Mean 0
RMS 0
10
1
0
10
20
30
40
50
60


pp_TimeByTrigger
pp_TimeByTrigger
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
10
20
30
40
50
60

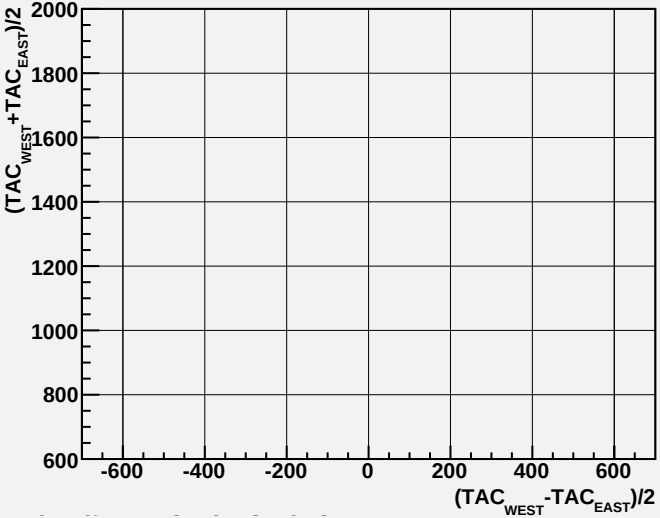

pp_Time
pp_Time
Entries 0
Mean 0
RMS 0
10
1
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
×10^-9

PMT_STATUS <ADC>

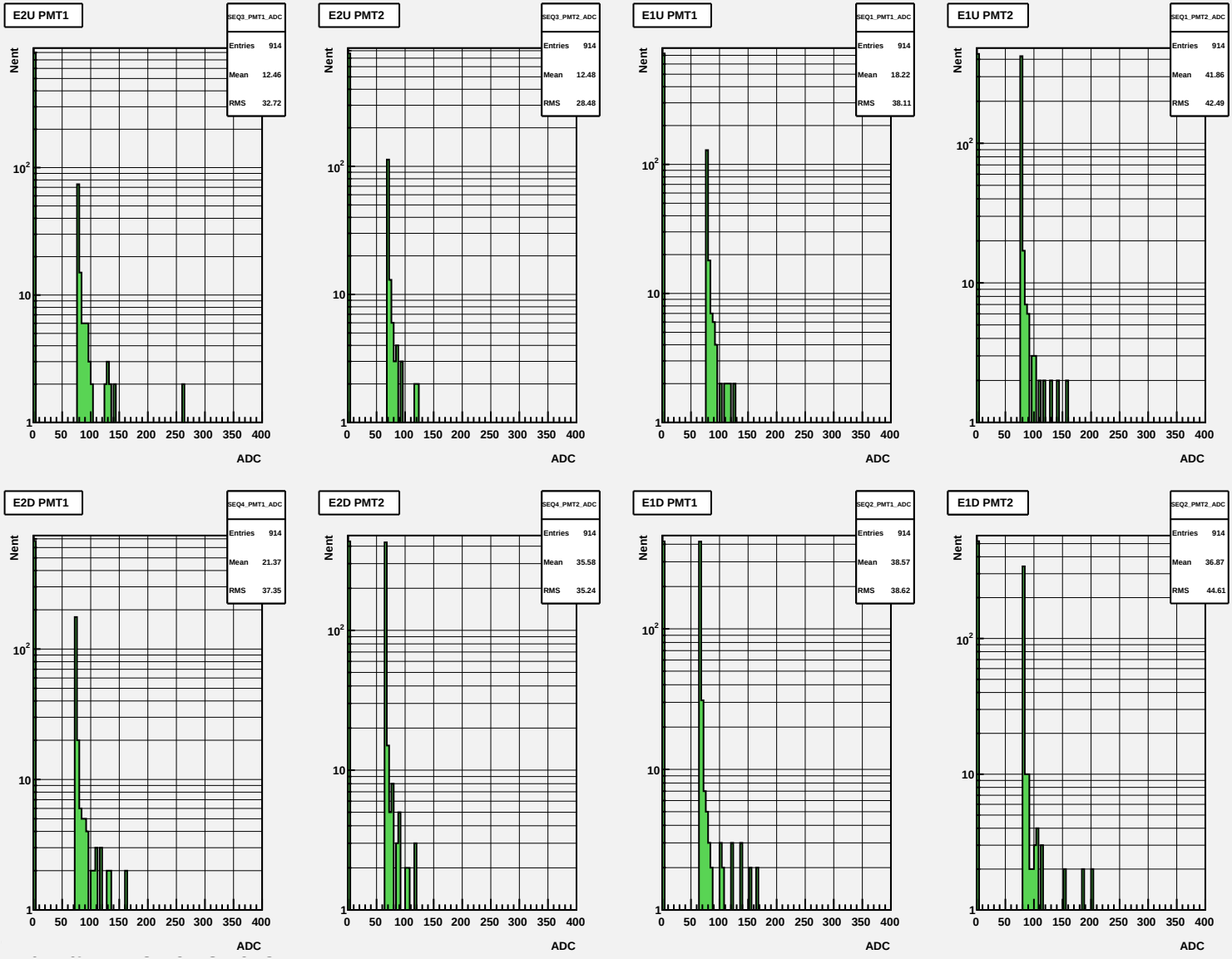


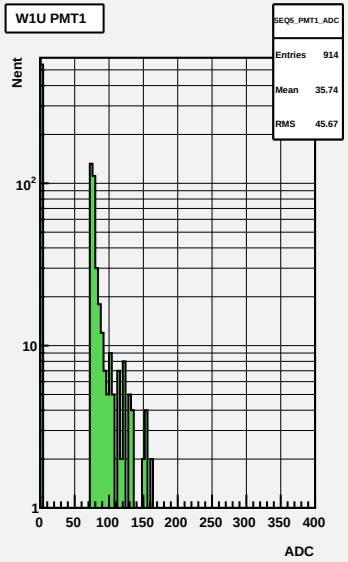
SVX_STATUS <ADC>

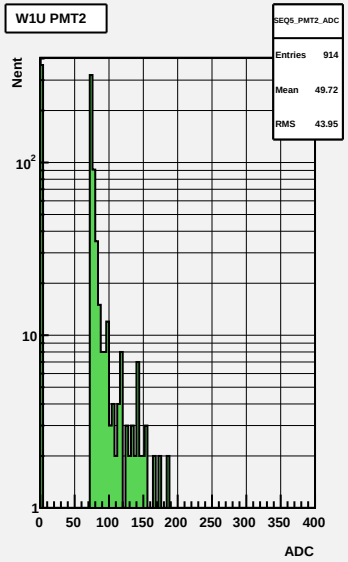
PMT Time vs z-vertex

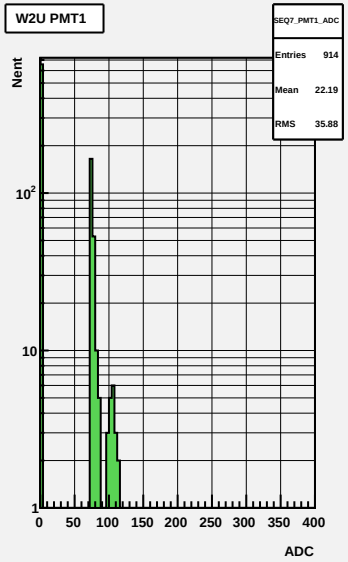


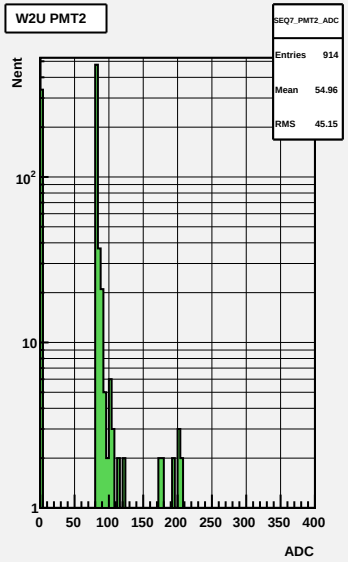
SVX_NCH <average fraction of chnls read>

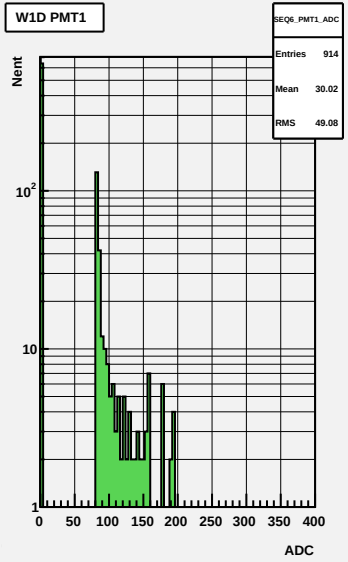

E2U PMT1
SEQ3_PMT1_ADC
Entries 914
Mean 12.46
RMS 32.72
E2U PMT2
SEQ3_PMT2_ADC
Entries 914
Mean 12.48
RMS 28.48
E1U PMT1
SEQ1_PMT1_ADC
Entries 914
Mean 18.22
RMS 38.11
E1U PMT2
SEQ1_PMT2_ADC
Entries 914
Mean 41.86
RMS 42.49
E2D PMT1
SEQ4_PMT1_ADC
Entries 914
Mean 21.37
RMS 37.35
E2D PMT2
SEQ4_PMT2_ADC
Entries 914
Mean 35.58
RMS 35.24
E1D PMT1
SEQ2_PMT1_ADC
Entries 914
Mean 38.57
RMS 38.62
E1D PMT2
SEQ2_PMT2_ADC
Entries 914
Mean 36.87
RMS 44.61
Nent
ADC

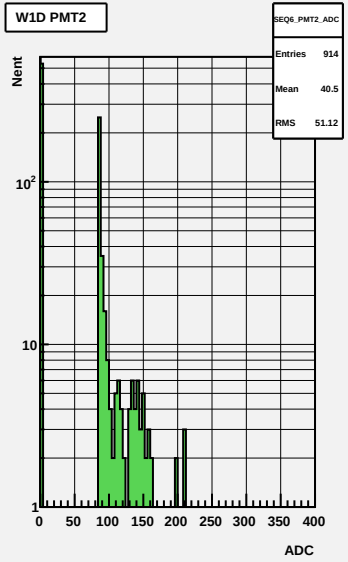

W1U PMT1
SEQ5_PMT1_ADC
Entries 914
Mean 35.74
RMS 45.67
Nent
ADC

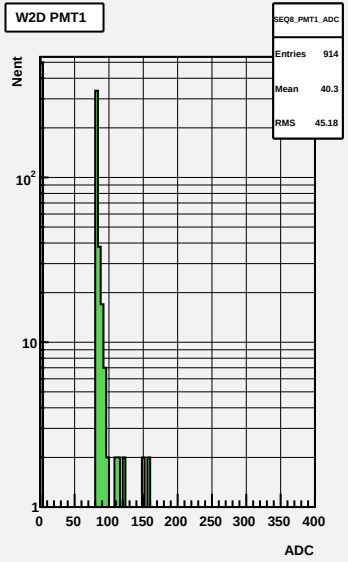

W1U PMT2
SEQ5_PMT2_ADC
Entries 914
Mean 49.72
RMS 43.95
Nent
ADC

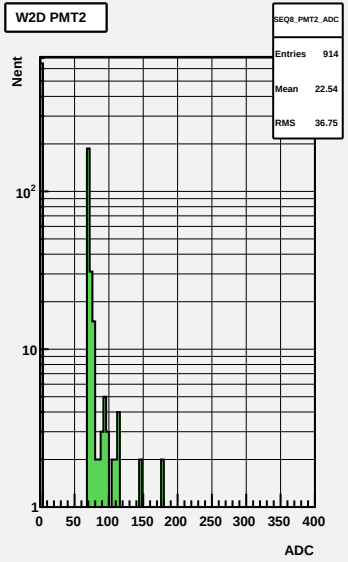

W2U PMT1
SEQ7_PMT1_ADC
Entries 914
Mean 22.19
RMS 35.88
Nent
ADC

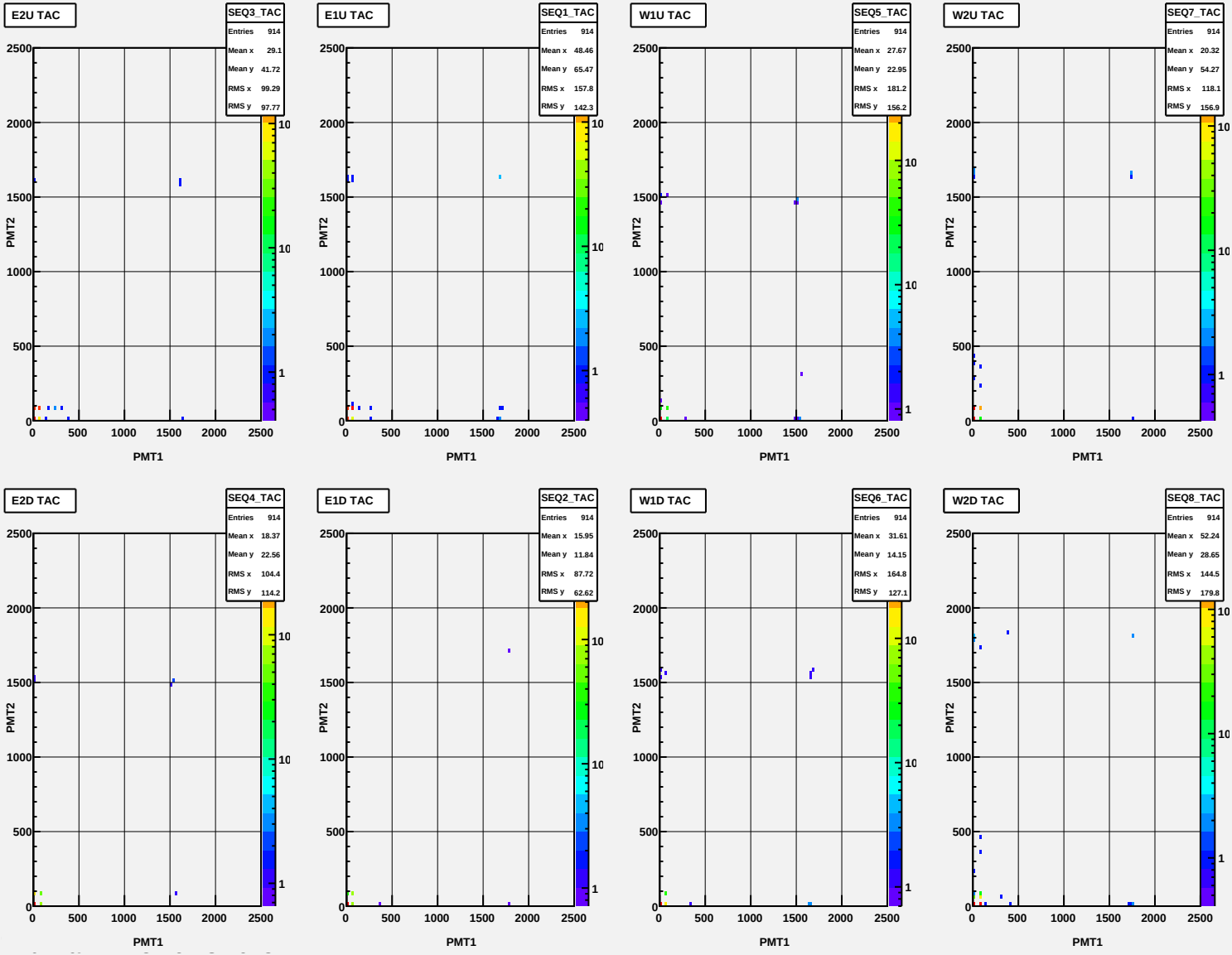

W2U PMT2
SEQ7_PMT2_ADC
Entries 914
Mean 54.96
RMS 45.15
Nent
ADC


W1D PMT1
SEQ6_PMT1_ADC
Entries 914
Mean 30.02
RMS 49.08
Nent
ADC

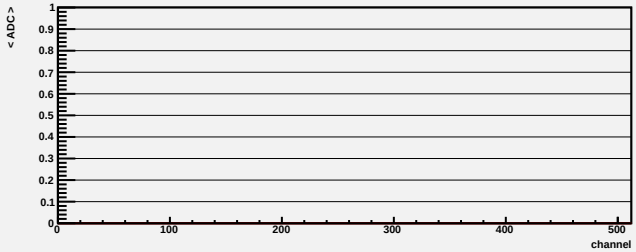

W1D PMT2
SEQ6_PMT2_ADC
Entries 914
Mean 40.5
RMS 51.12
Nent
ADC


W2D PMT1
SEQ8_PMT1_ADC
Entries 914
Mean 40.3
RMS 45.18
Nent
ADC

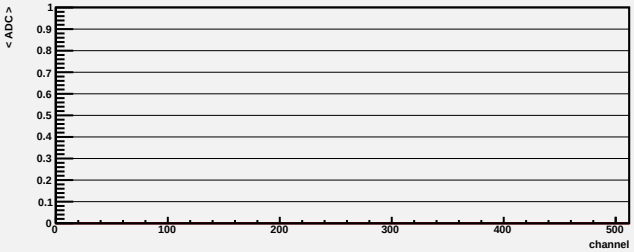

W2D PMT2
SEQ8_PMT2_ADC
Entries 914
Mean 22.54
RMS 36.75
Nent
ADC


E2U TAC
SEQ3_TAC
Entries 914
Mean x 29.1
Mean y 41.72
RMS x 99.29
RMS y 97.77
E1U TAC
SEQ1_TAC
Entries 914
Mean x 48.46
Mean y 65.47
RMS x 157.8
RMS y 142.3
W1U TAC
SEQ5_TAC
Entries 914
Mean x 27.67
Mean y 22.95
RMS x 181.2
RMS y 156.2
W2U TAC
SEQ7_TAC
Entries 914
Mean x 20.32
Mean y 54.27
RMS x 118.1
RMS y 156.9
E2D TAC
SEQ4_TAC
Entries 914
Mean x 18.37
Mean y 22.56
RMS x 104.4
RMS y 114.2
E1D TAC
SEQ2_TAC
Entries 914
Mean x 15.95
Mean y 11.84
RMS x 87.72
RMS y 62.62
W1D TAC
SEQ6_TAC
Entries 914
Mean x 31.61
Mean y 14.15
RMS x 164.8
RMS y 127.1
W2D TAC
SEQ8_TAC
Entries 914
Mean x 52.24
Mean y 28.65
RMS x 144.5
RMS y 179.8
PMT1
PMT2

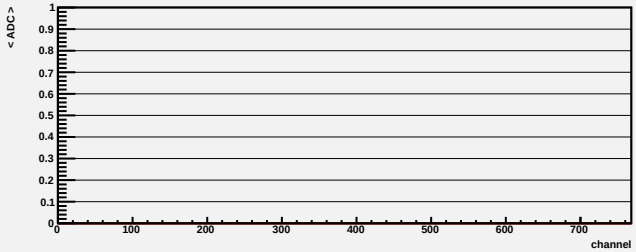
E1U_A



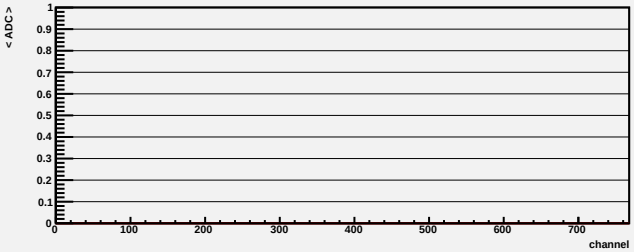
E1D_A



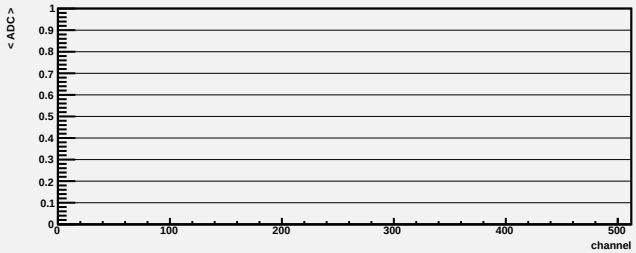
E1U_B



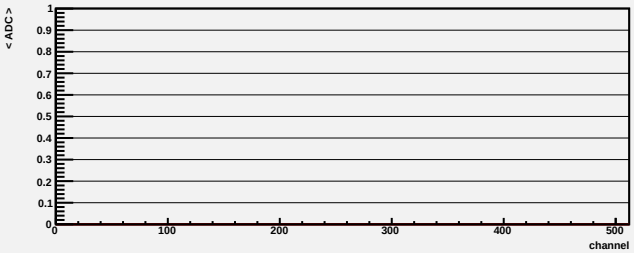
E1D_B



E1U_C



E1D_C



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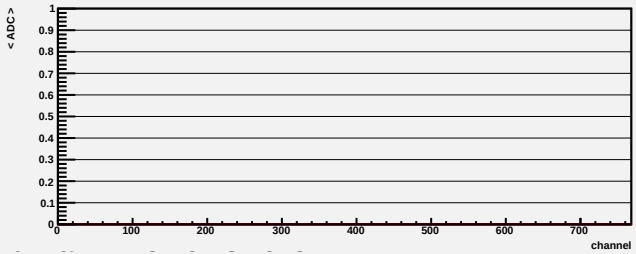

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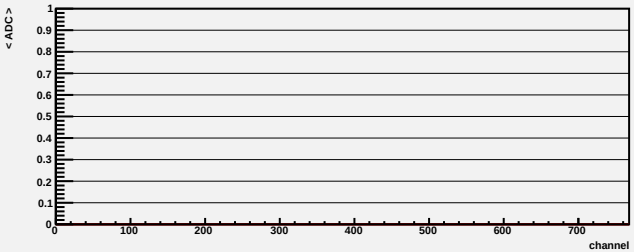

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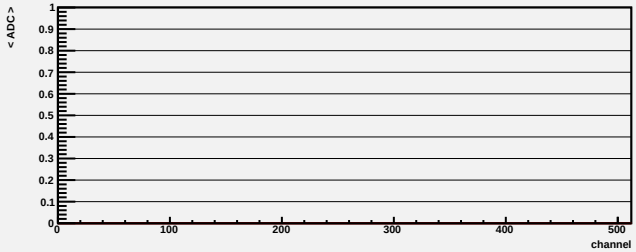

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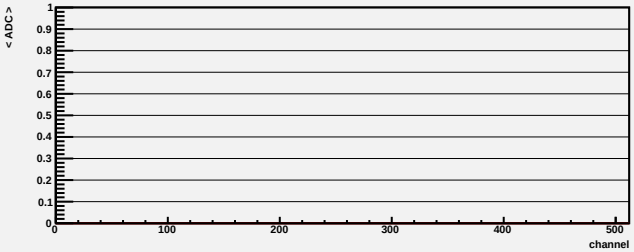

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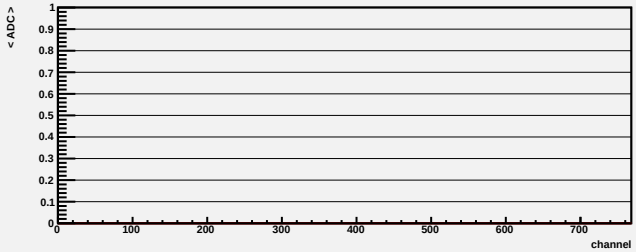

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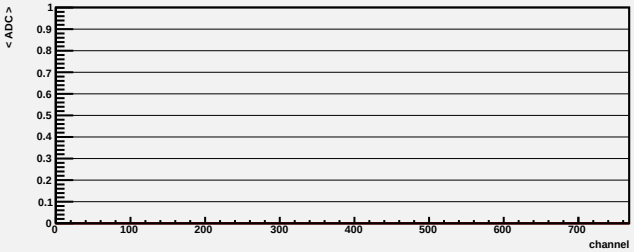

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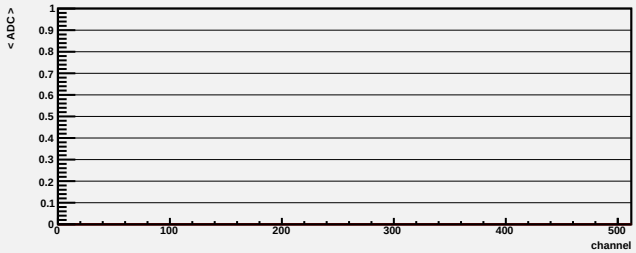

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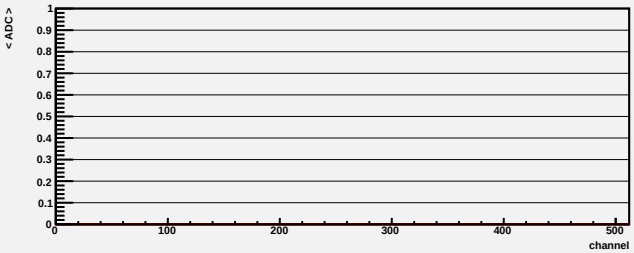

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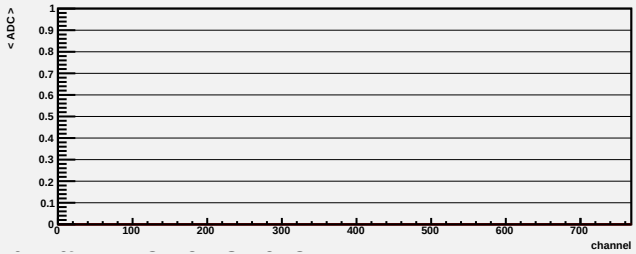

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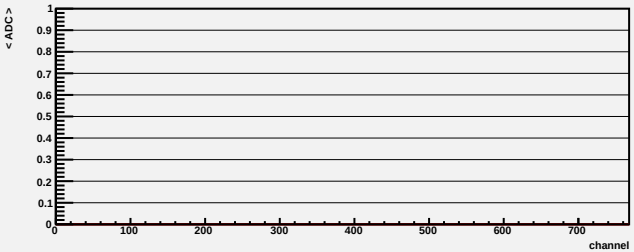

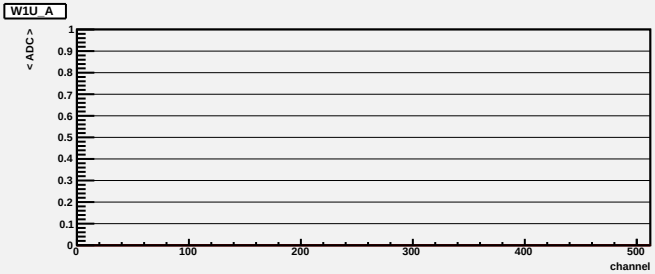
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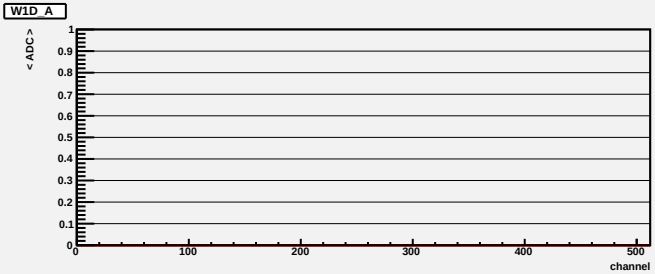
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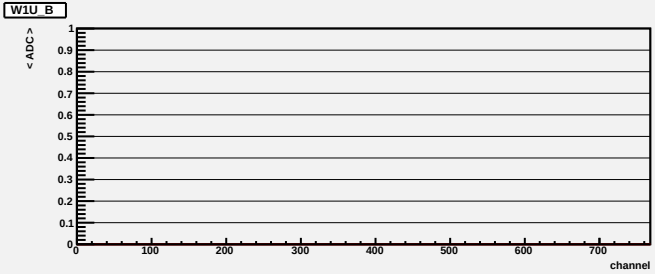
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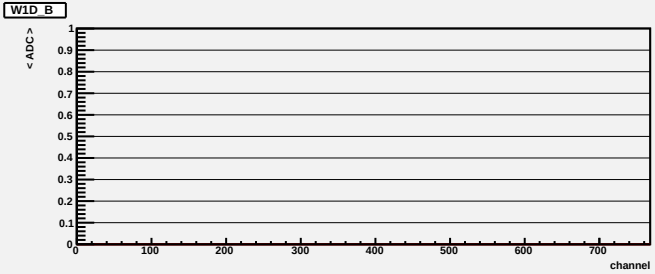
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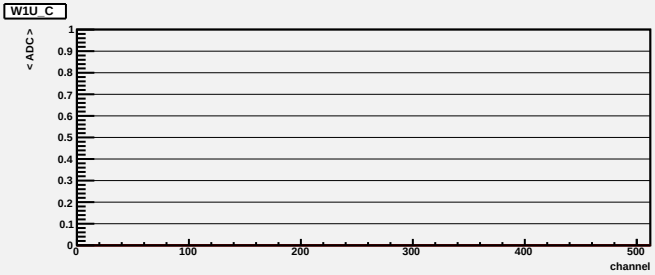
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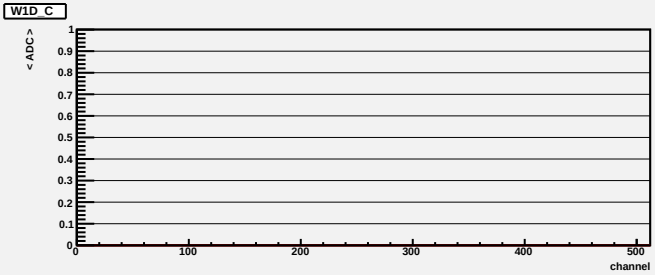
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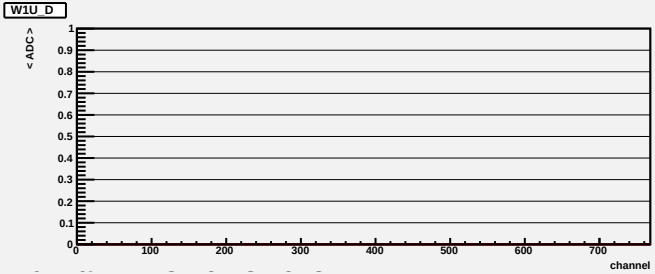
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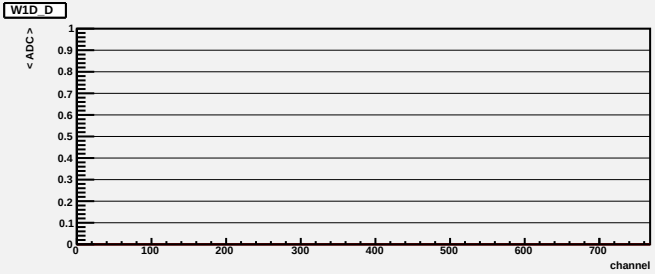
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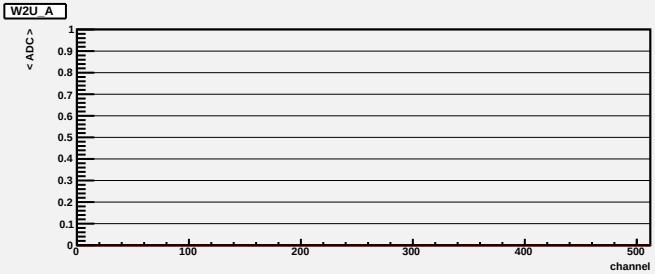
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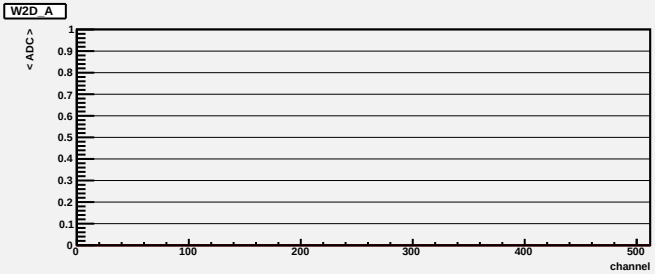
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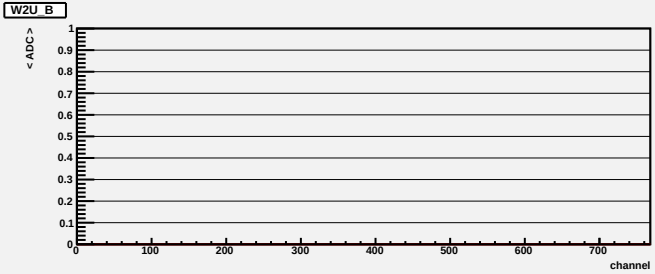
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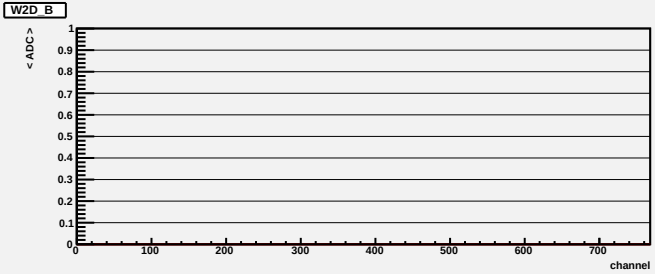
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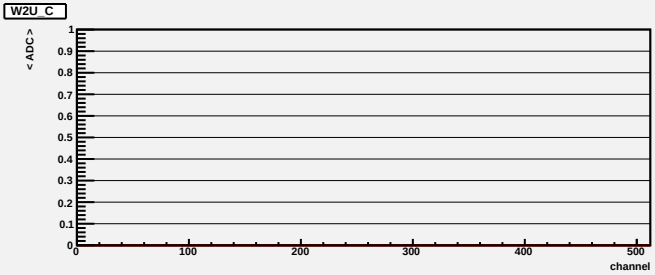
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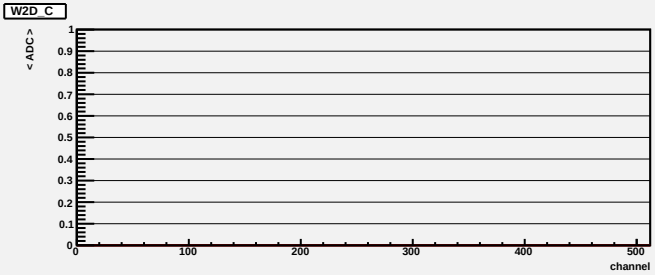
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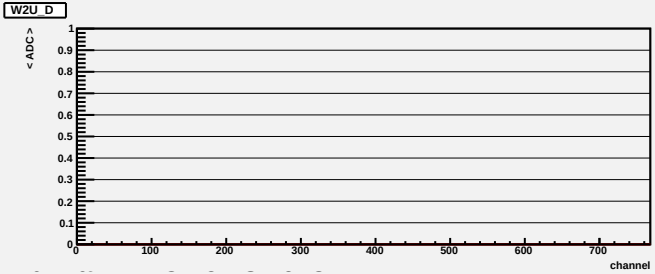
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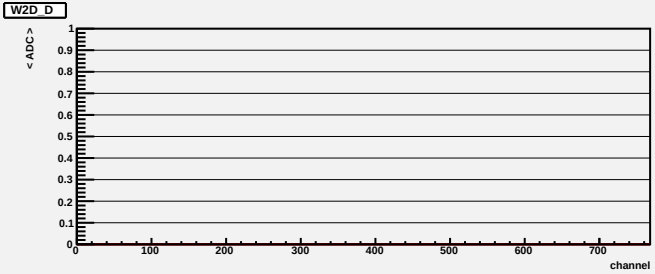
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Thu Mar 12 15:16:48 2015