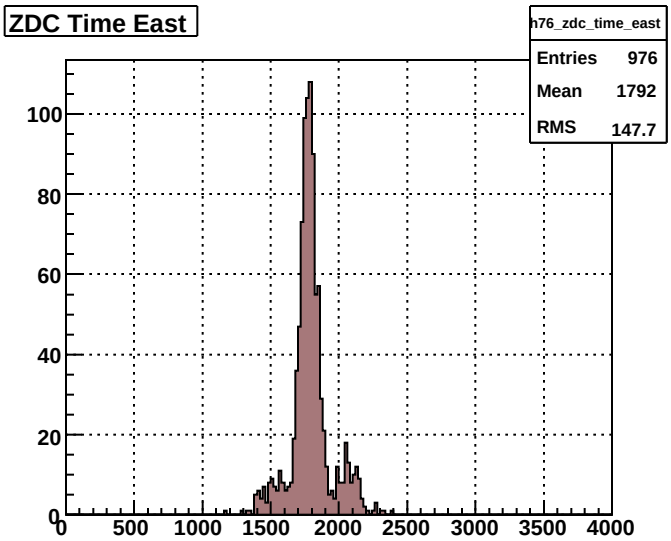
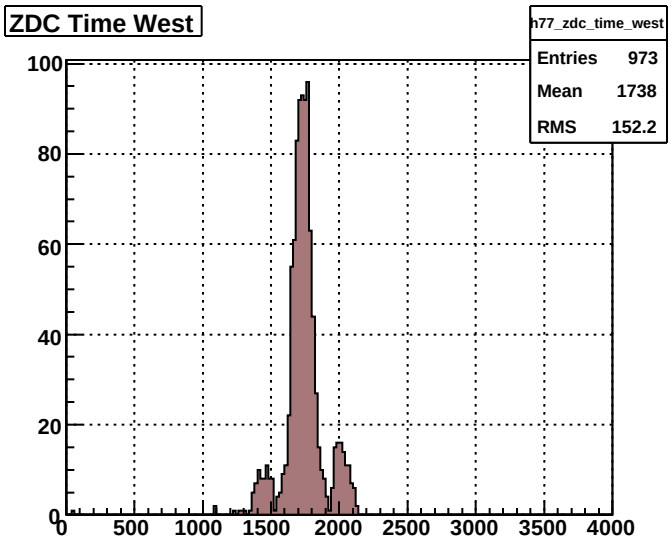
# Run: #12144018

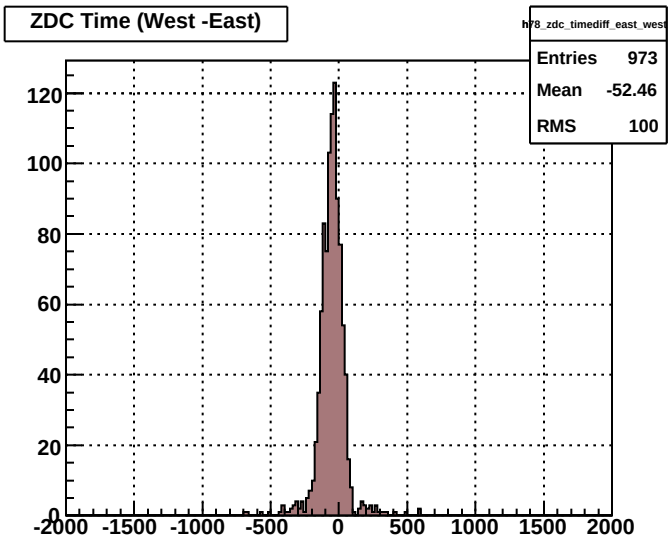
**TriggerBits: 11111111 11111111 11111111 11111111**

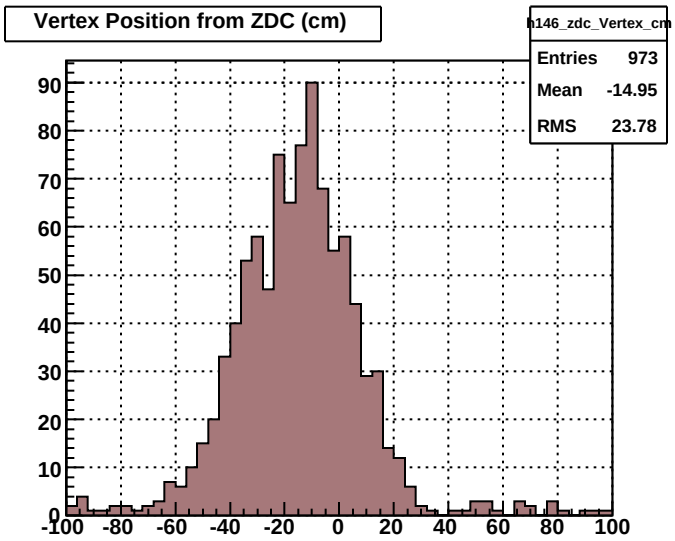
**DetectorBits: 00000000 01010100 00000011 00101100**

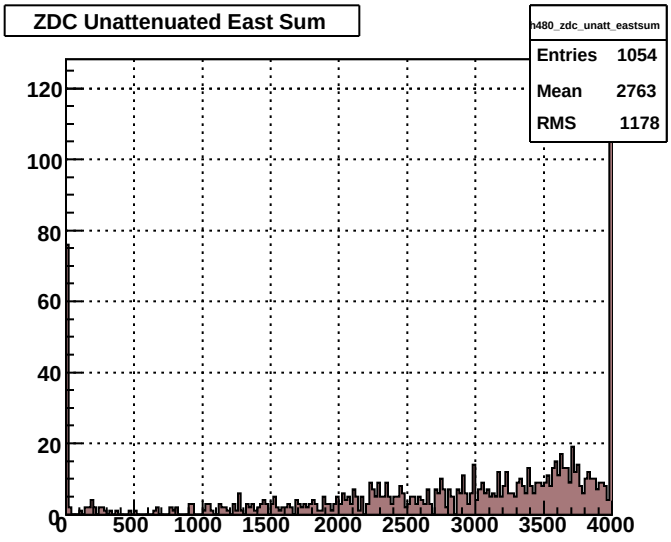
**Tue May 24 07:04:42 2011**

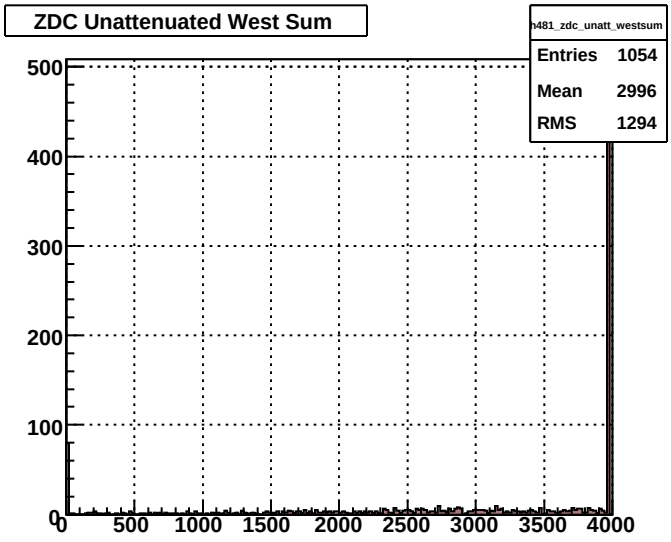

ZDC Time East
h76_zdc_time_east
Entries 976
Mean 1792
RMS 147.7

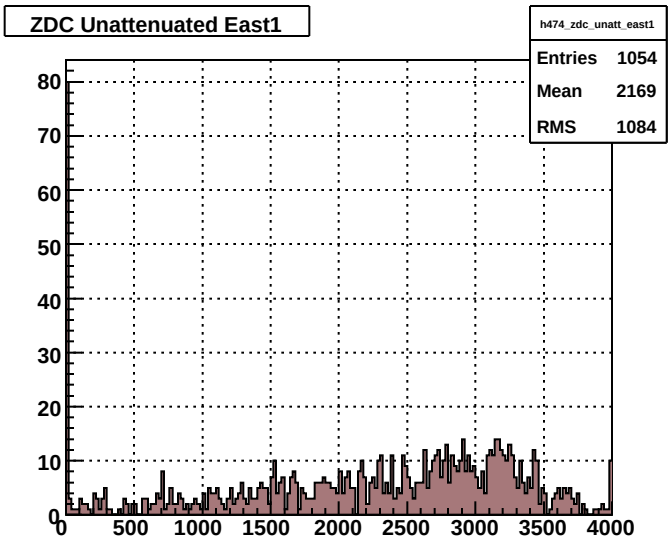

ZDC Time West
h77_zdc_time_west
Entries 973
Mean 1738
RMS 152.2

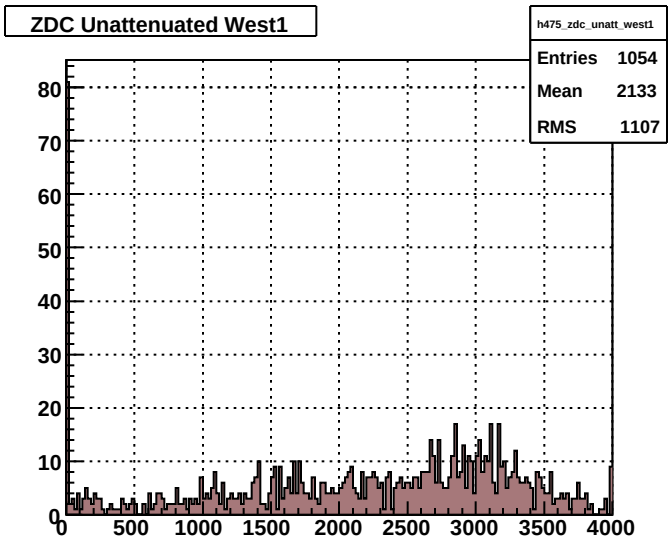

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 973
Mean -52.46
RMS 100

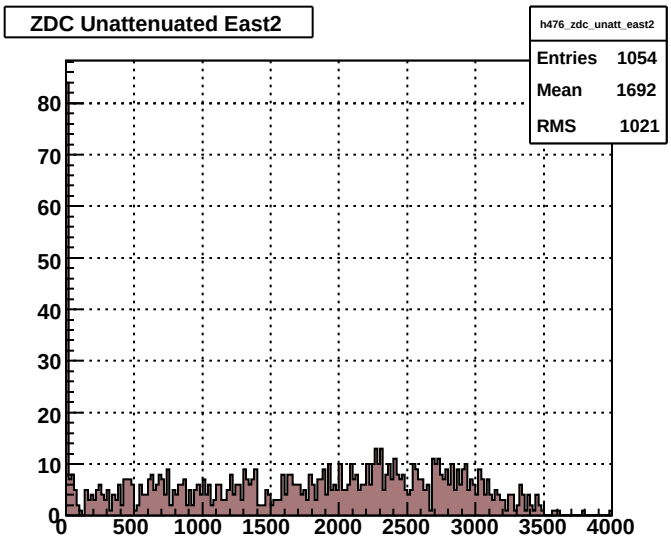

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 973
Mean -14.95
RMS 23.78

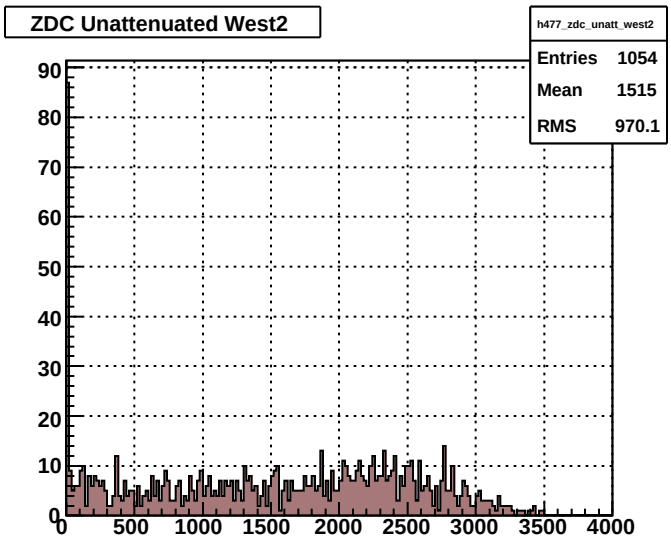

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 1054
Mean 2763
RMS 1178

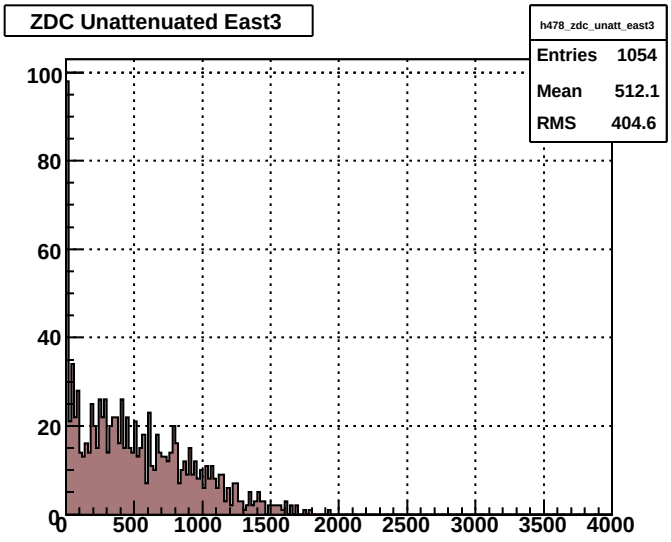

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 1054
Mean 2996
RMS 1294

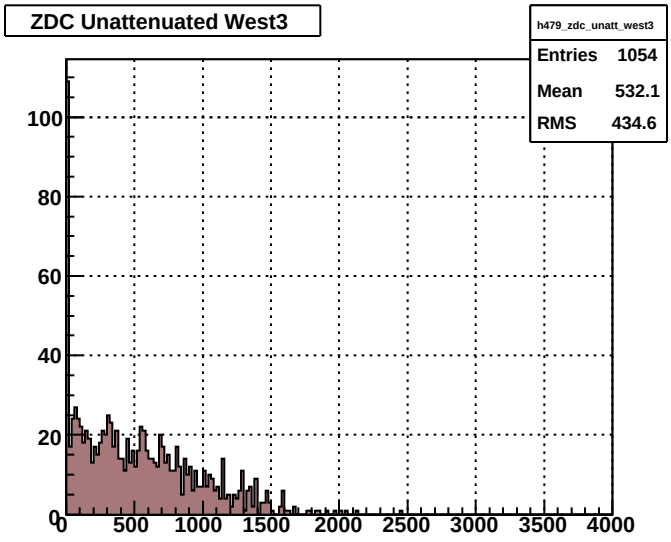

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 1054
Mean 2169
RMS 1084

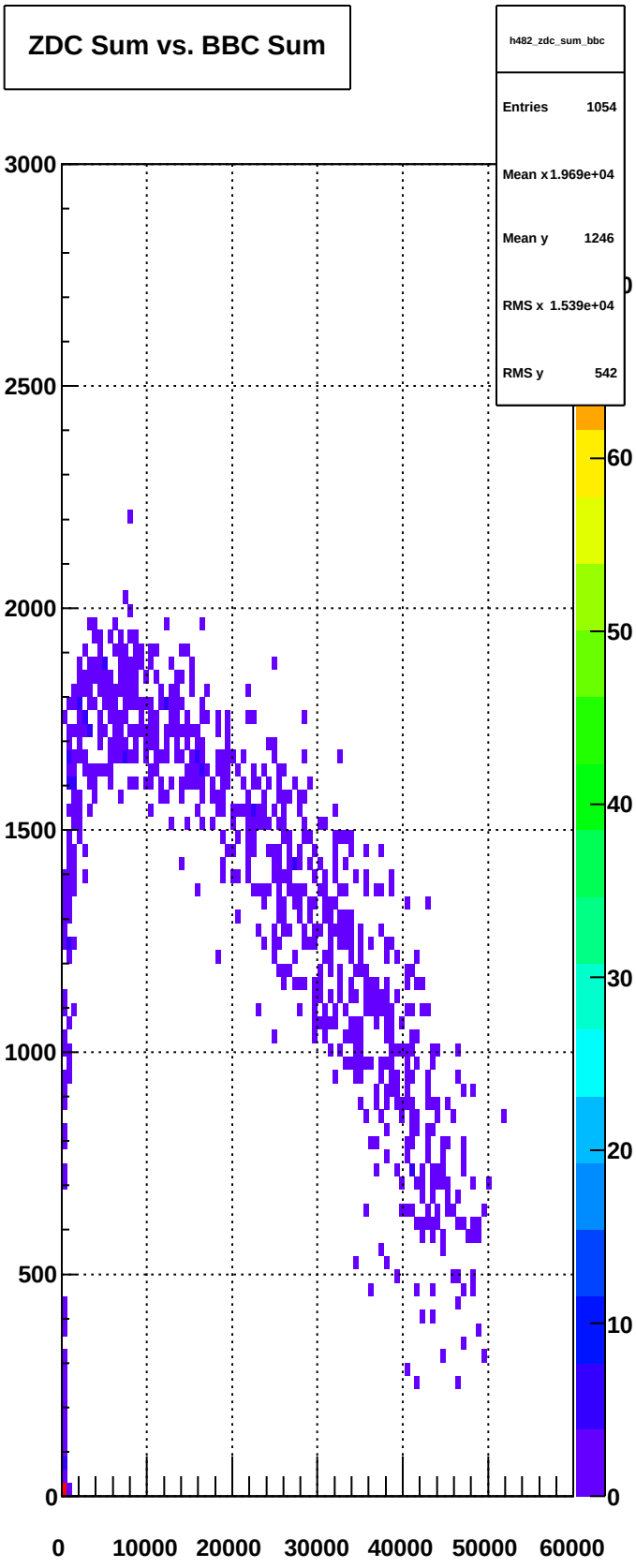

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 1054
Mean 2133
RMS 1107

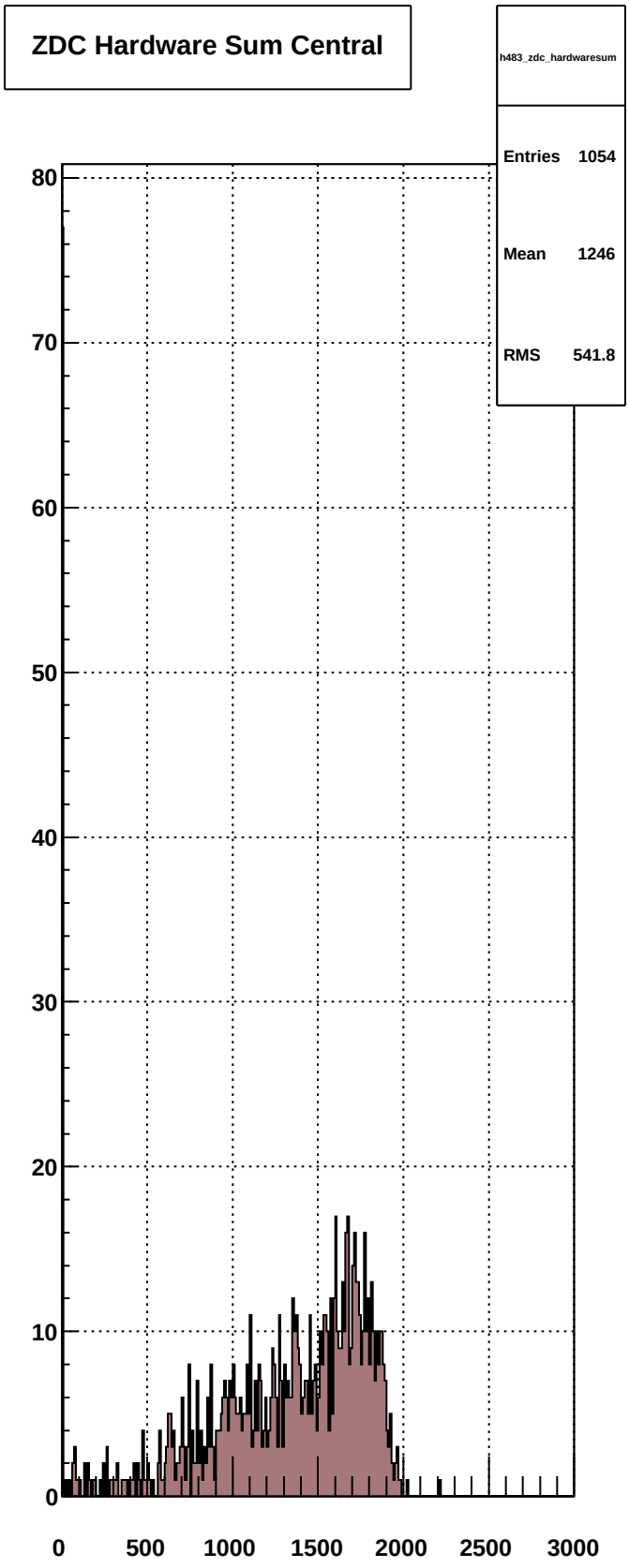

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 1054
Mean 1692
RMS 1021

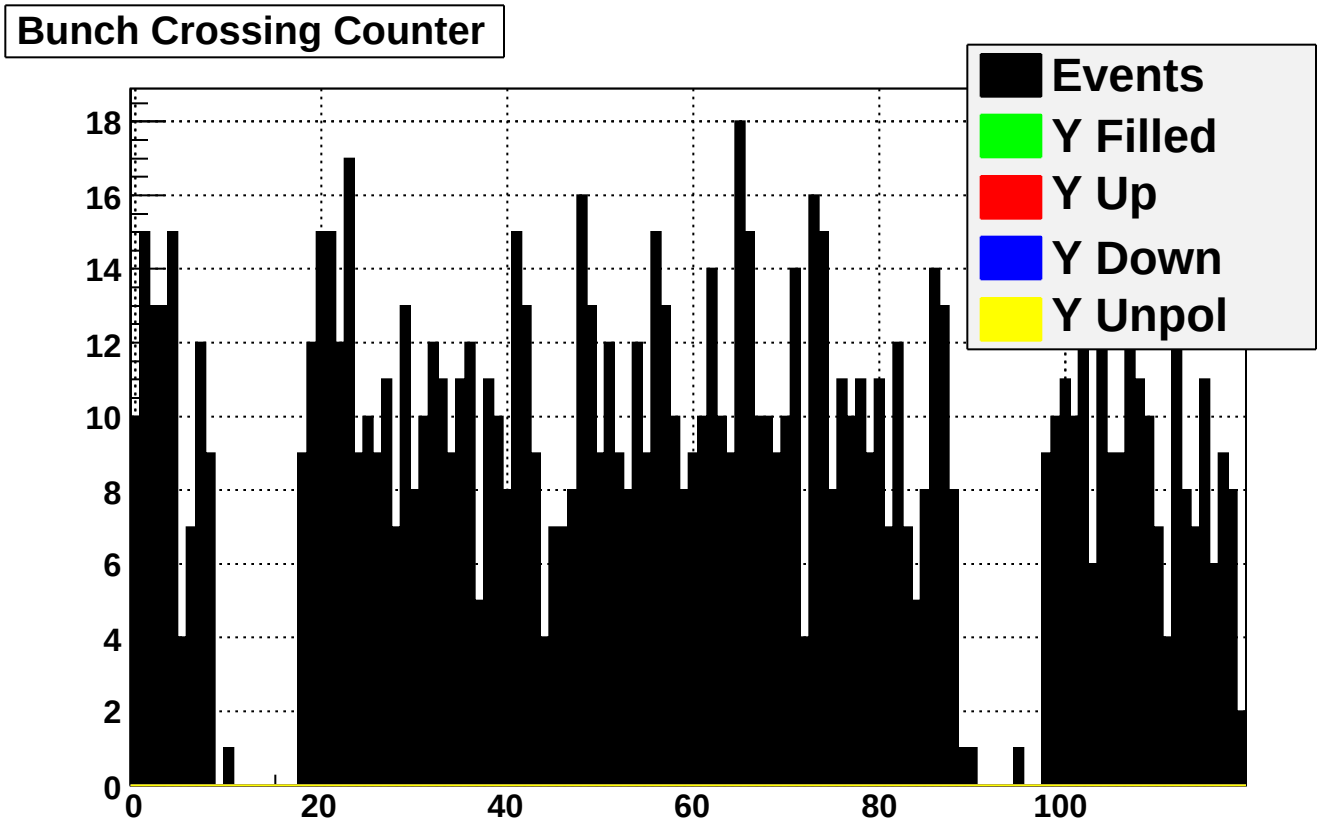

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 1054
Mean 1515
RMS 970.1

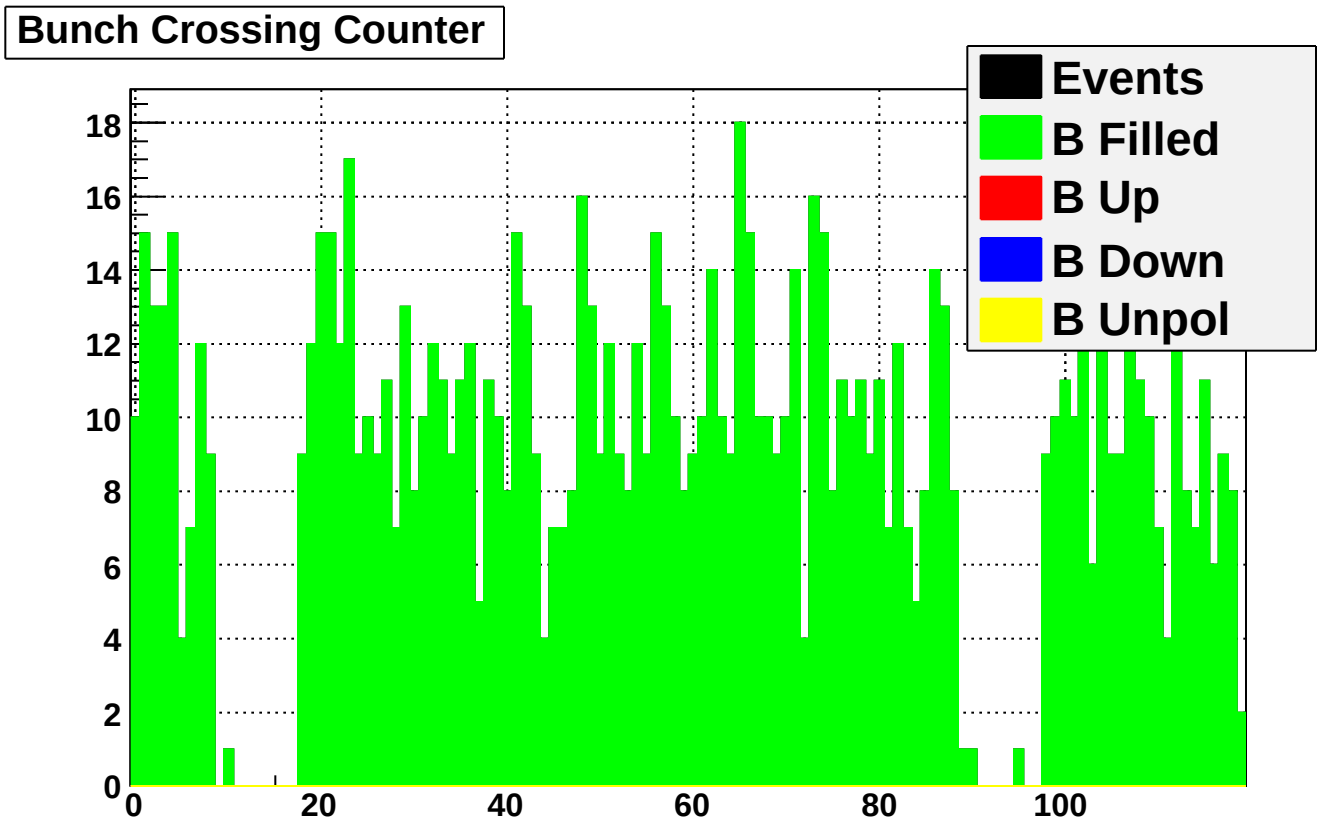

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 1054
Mean 512.1
RMS 404.6

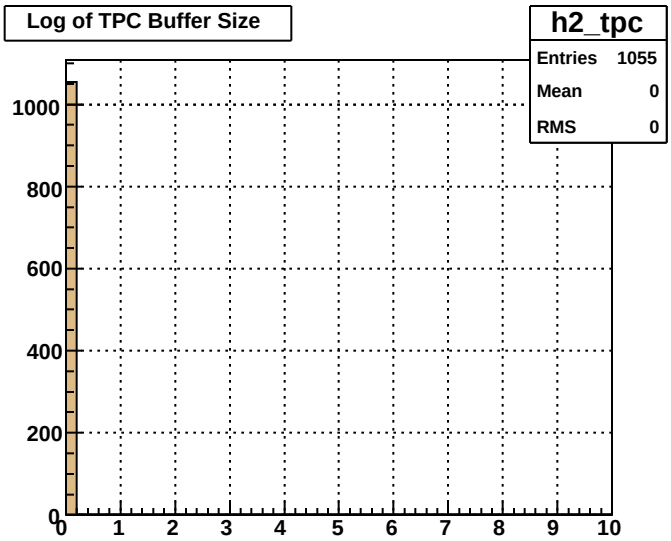

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 1054
Mean 532.1
RMS 434.6

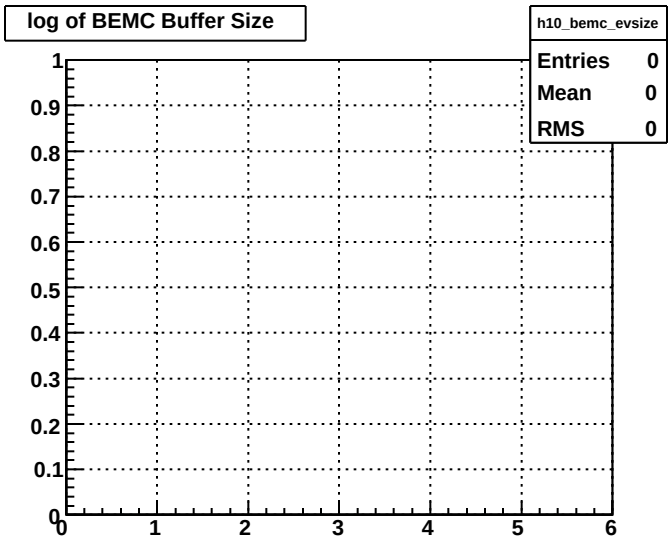

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 1054
Mean x 1.969e+04
Mean y 1246
RMS x 1.539e+04
RMS y 542
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
60
50
40
30
20
10
0

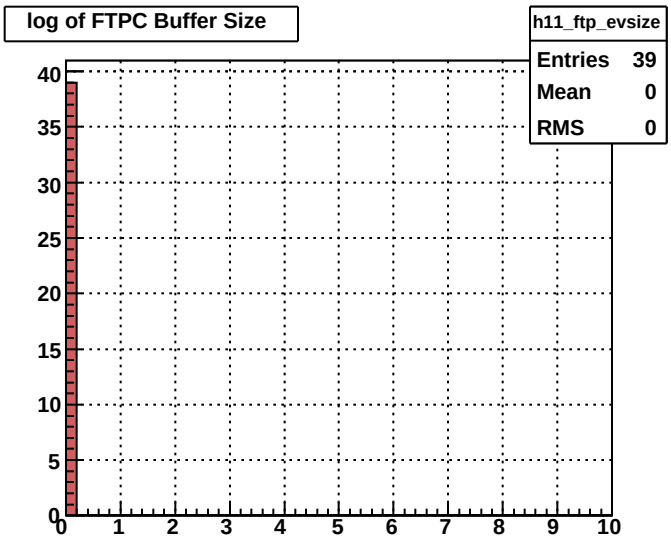

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 1054
Mean 1246
RMS 541.8
80
70
60
50
40
30
20
10
0
0
500
1000
1500
2000
2500
3000

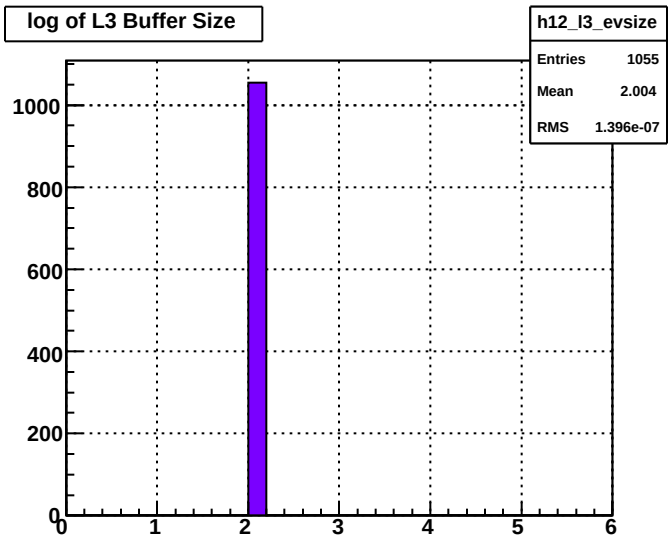

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
2
4
6
8
10
12
14
16
18
0
20
40
60
80
100

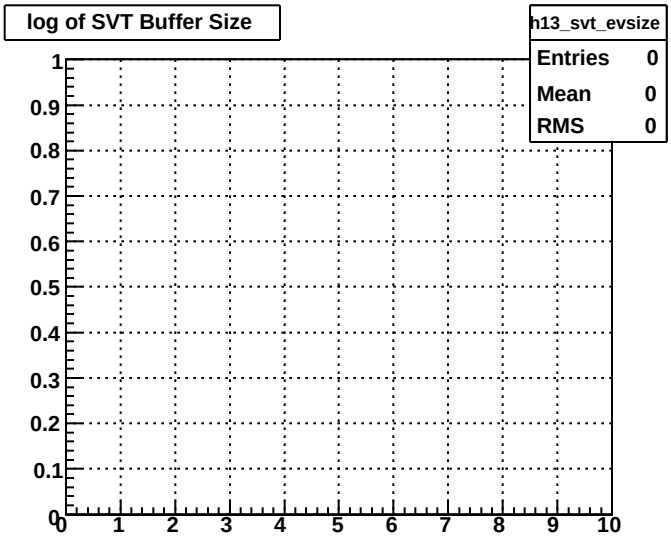

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
2
4
6
8
10
12
14
16
18
0
20
40
60
80
100

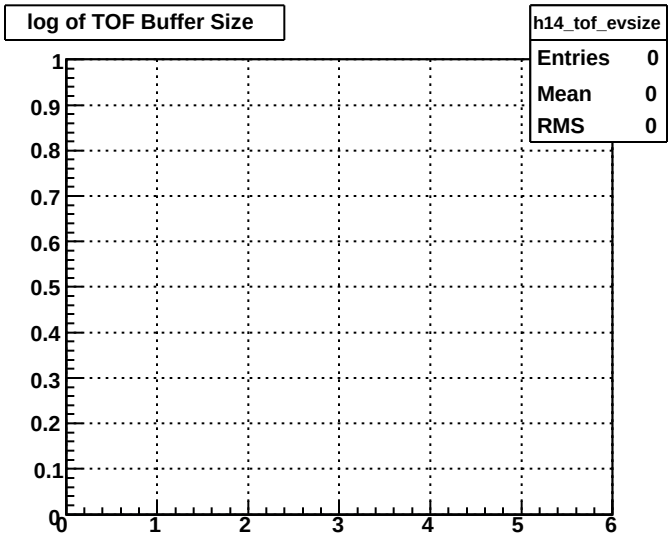

Log of TPC Buffer Size
h2_tpc
Entries 1055
Mean 0
RMS 0

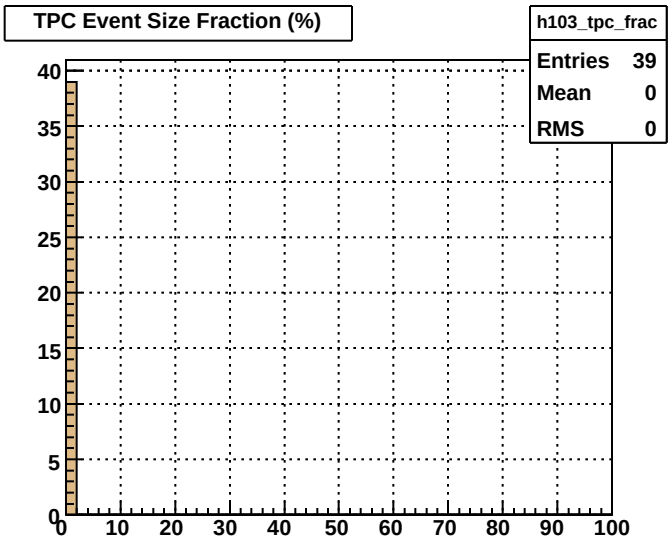

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

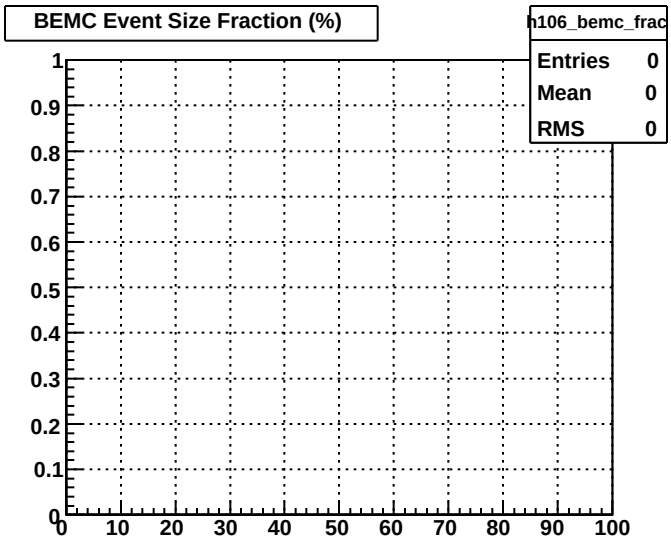

log of FTPC Buffer Size
h11_ftp_evsize
Entries 39
Mean 0
RMS 0

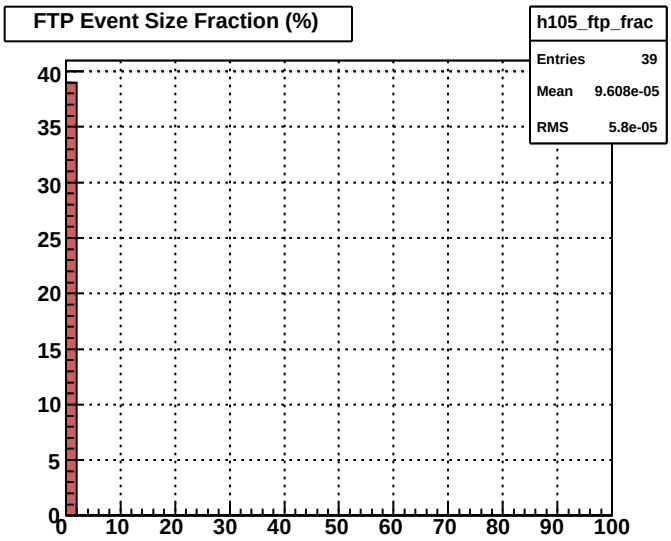

log of L3 Buffer Size
h12_l3_evsize
Entries 1055
Mean 2.004
RMS 1.396e-07

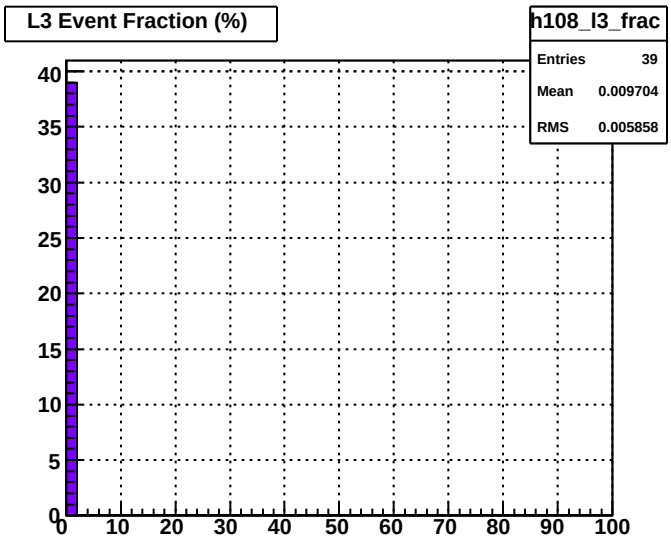

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

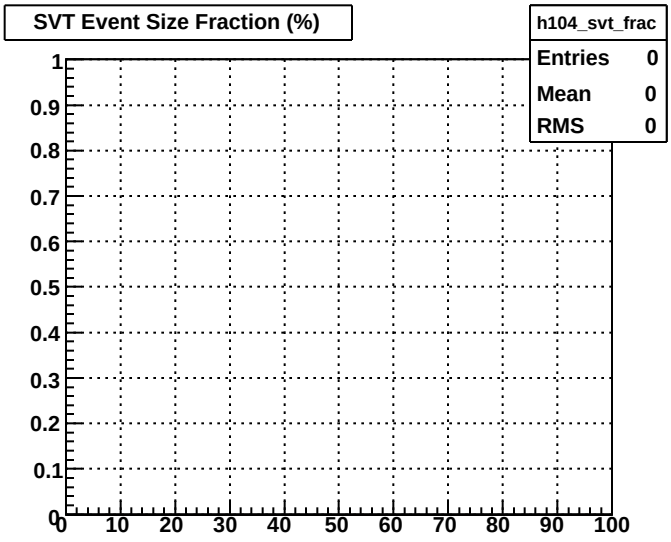

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

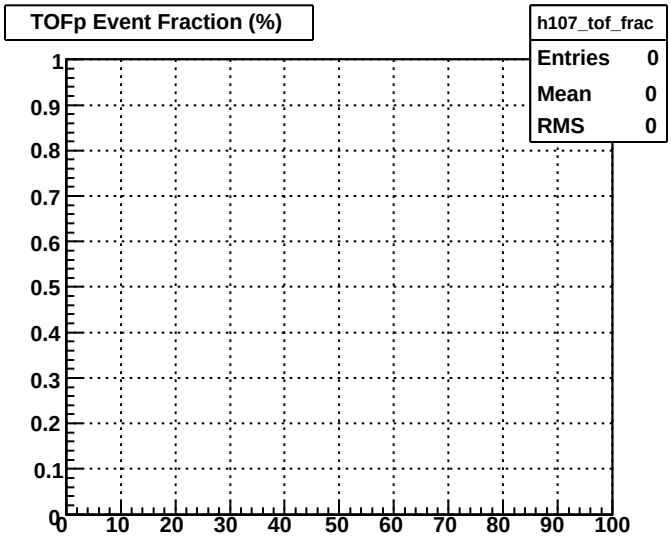

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 39
Mean 0
RMS 0


BEMC Event Size Fraction (%)
h106_bemc_frac
Entries 0
Mean 0
RMS 0

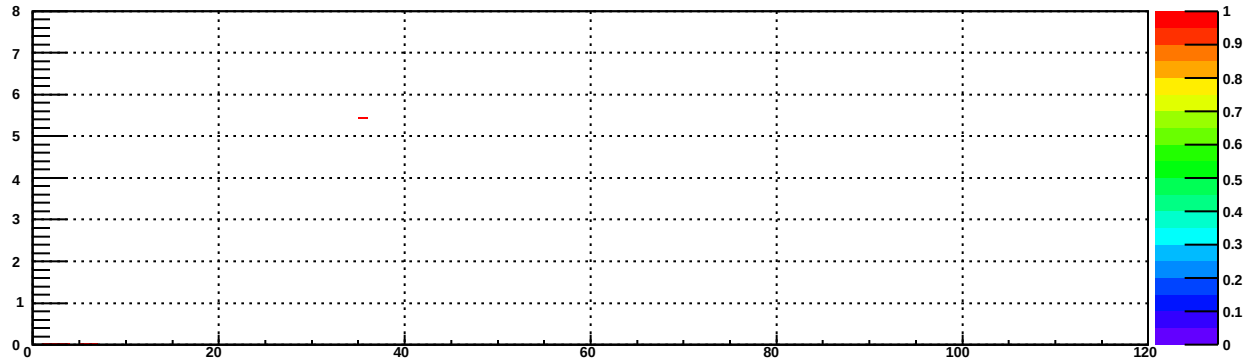

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 39
Mean 9.608e-05
RMS 5.8e-05


L3 Event Fraction (%)
h108_l3_frac
Entries 39
Mean 0.009704
RMS 0.005858

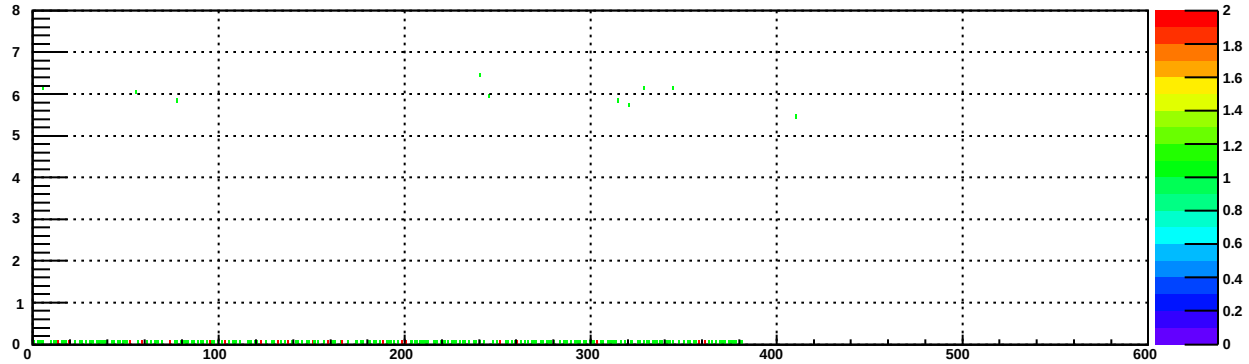

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


TOFp Event Fraction (%)
h107_tof_frac
Entries 0
Mean 0
RMS 0

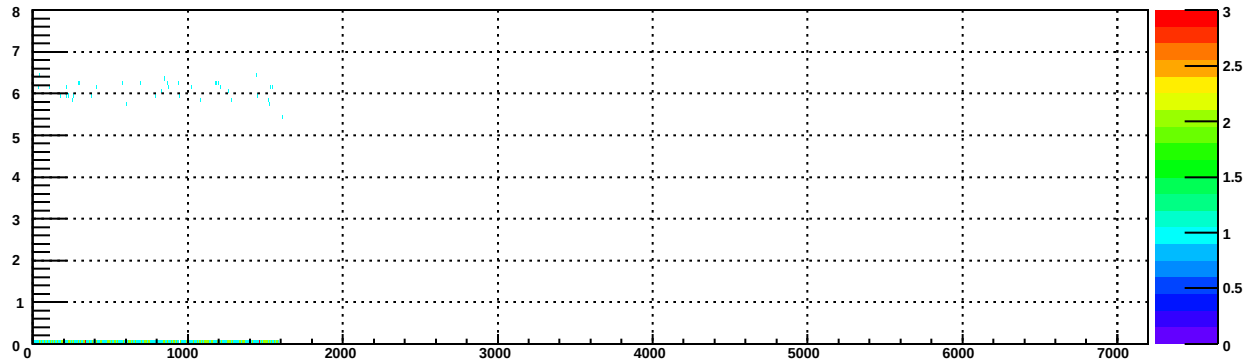
Event Size (Log10) vs time (sec)



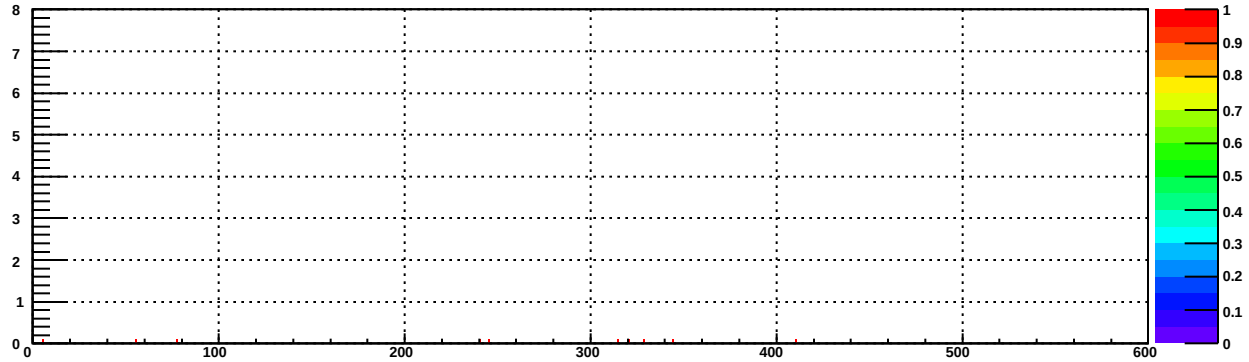

Event Size (Log10) vs time (sec)

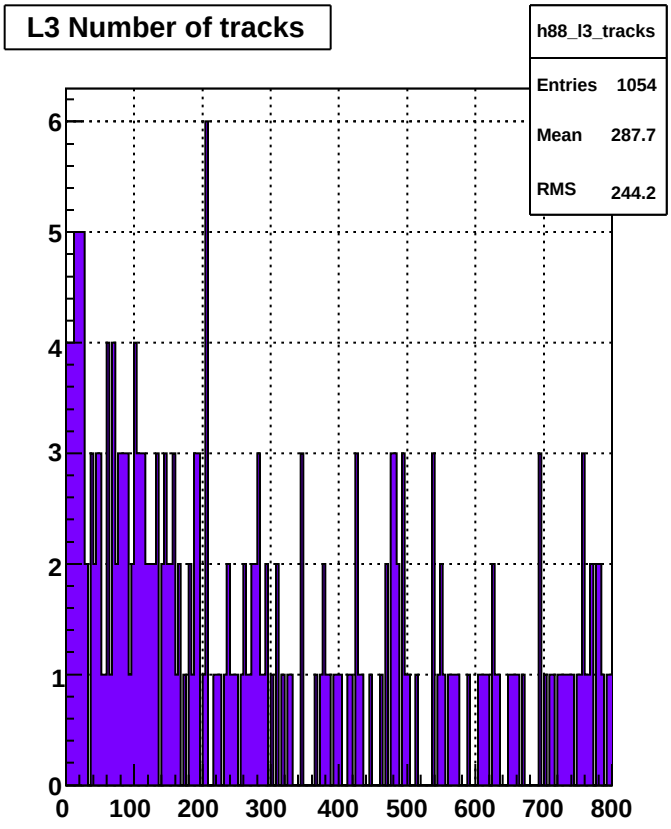


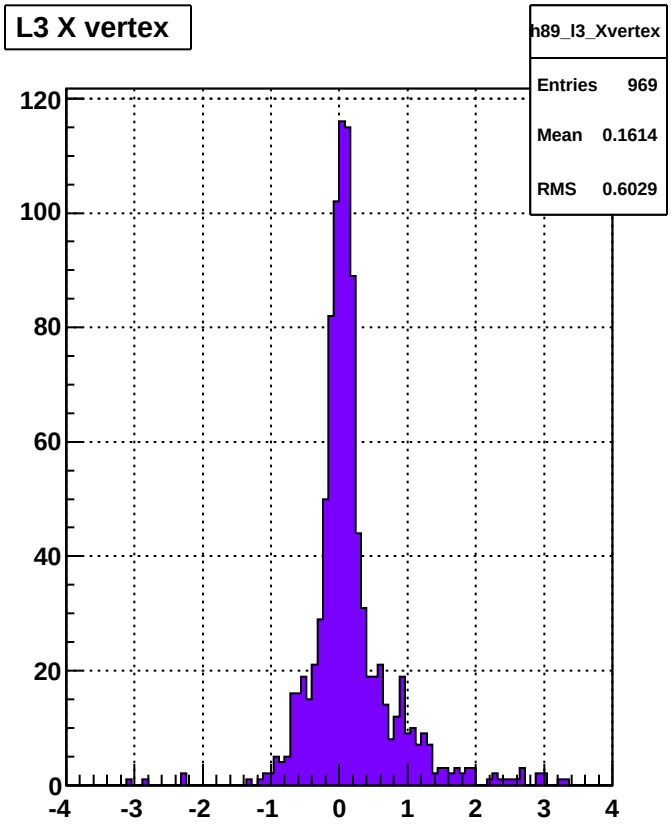

Event Size (Log10) vs time(sec)

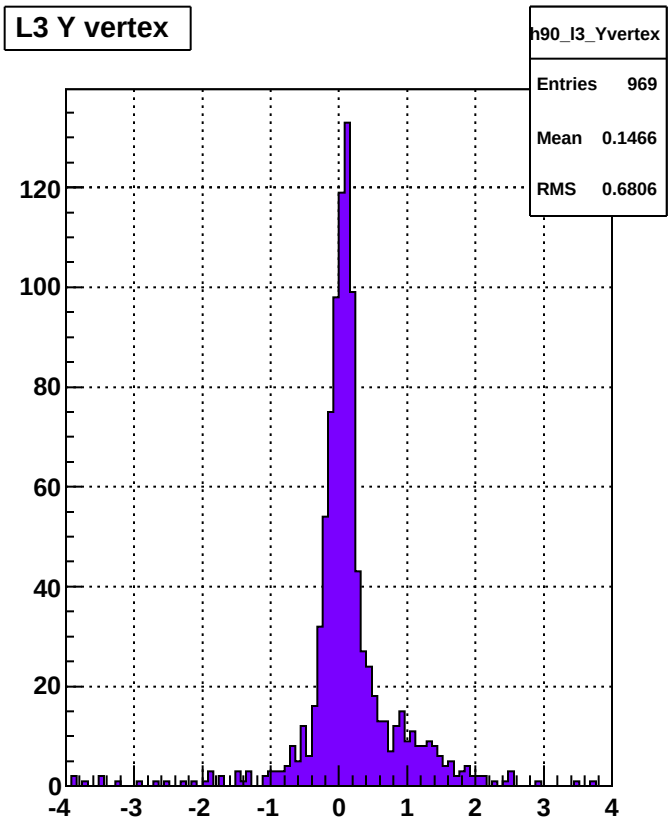


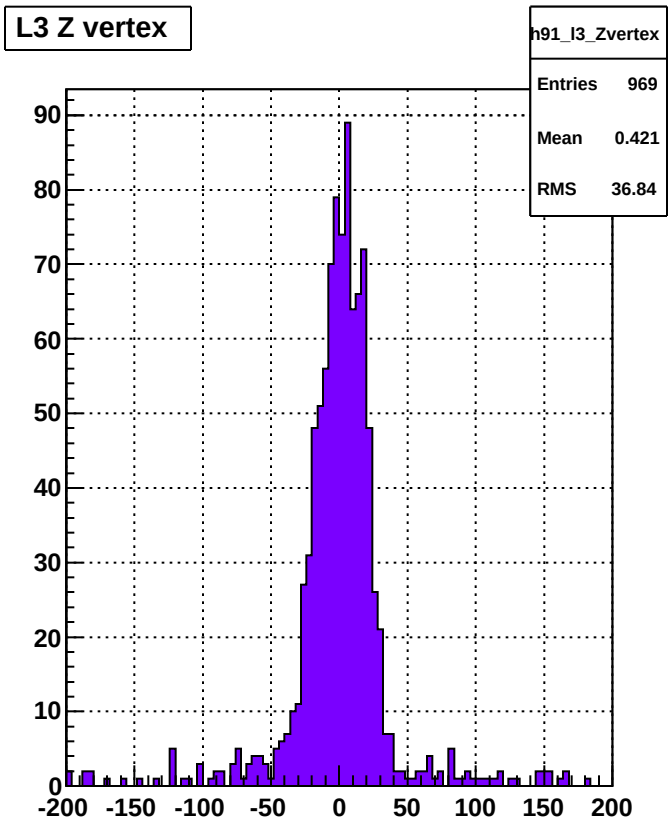

FTPC Event Size vs time(sec)



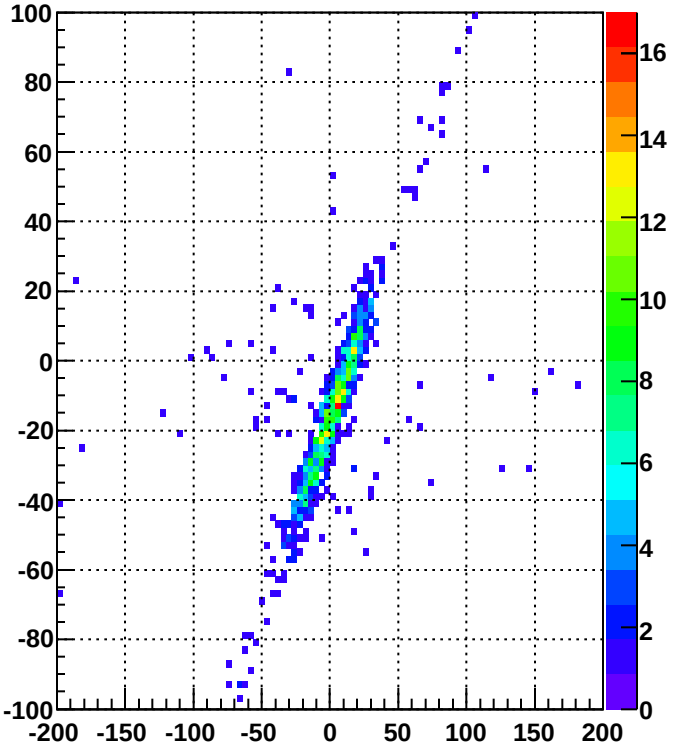

L3 Number of tracks
h88_l3_tracks
Entries 1054
Mean 287.7
RMS 244.2
0 1 2 3 4 5 6
0 100 200 300 400 500 600 700 800


L3 X vertex
h89_l3_Xvertex
Entries 969
Mean 0.1614
RMS 0.6029
0 20 40 60 80 100 120
-4 -3 -2 -1 0 1 2 3 4

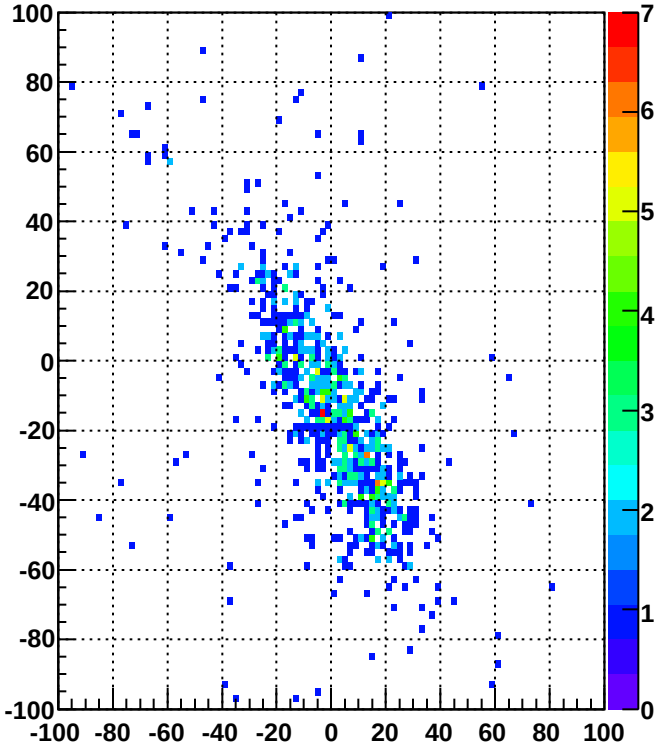

L3 Y vertex
h90_l3_Yvertex
Entries 969
Mean 0.1466
RMS 0.6806
0 20 40 60 80 100 120
-4 -3 -2 -1 0 1 2 3 4


L3 Z vertex
h91_l3_Zvertex
Entries 969
Mean 0.421
RMS 36.84
0 10 20 30 40 50 60 70 80 90
-200 -150 -100 -50 0 50 100 150 200

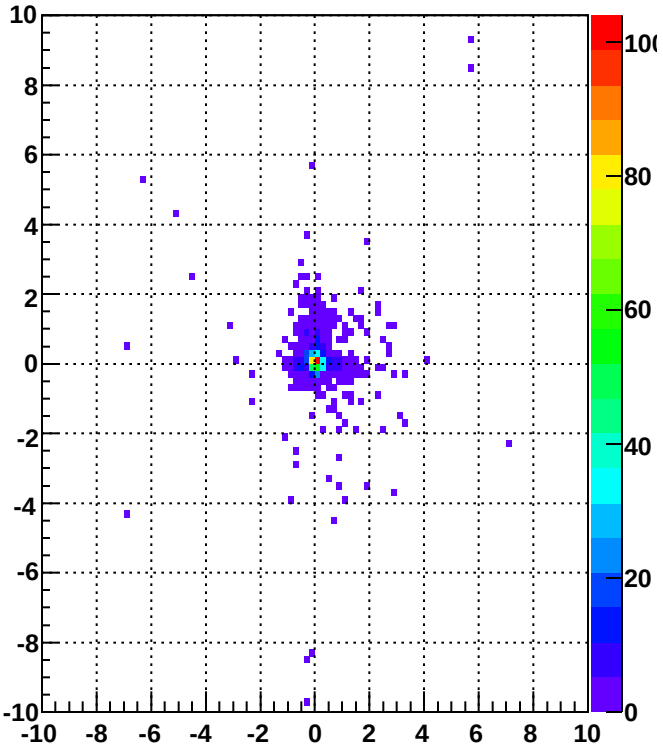
ZDC Vertex vs L3 Vertex



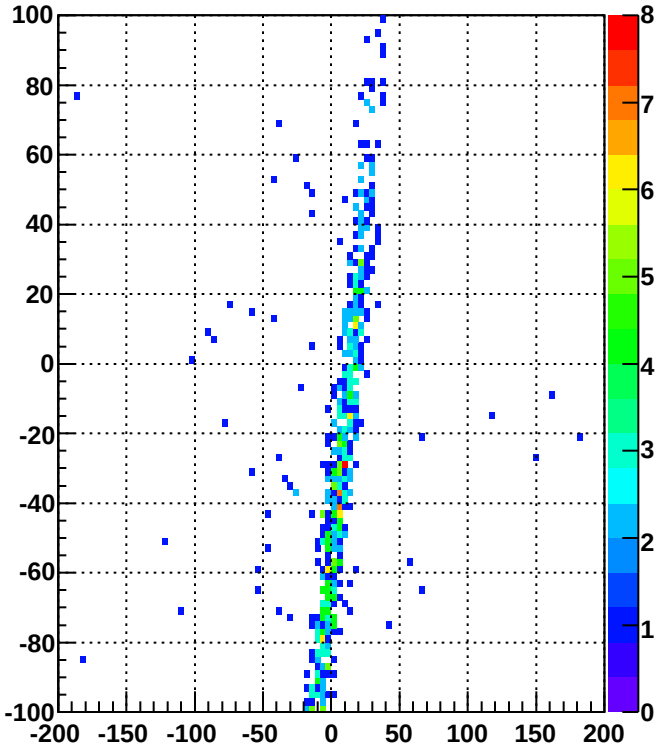

BBC Vertex vs L3 Vertex

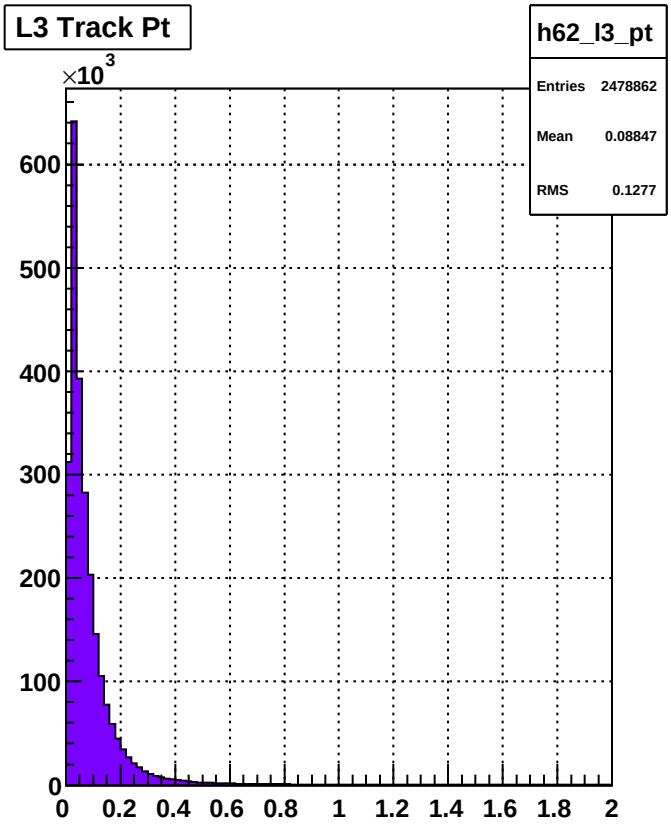


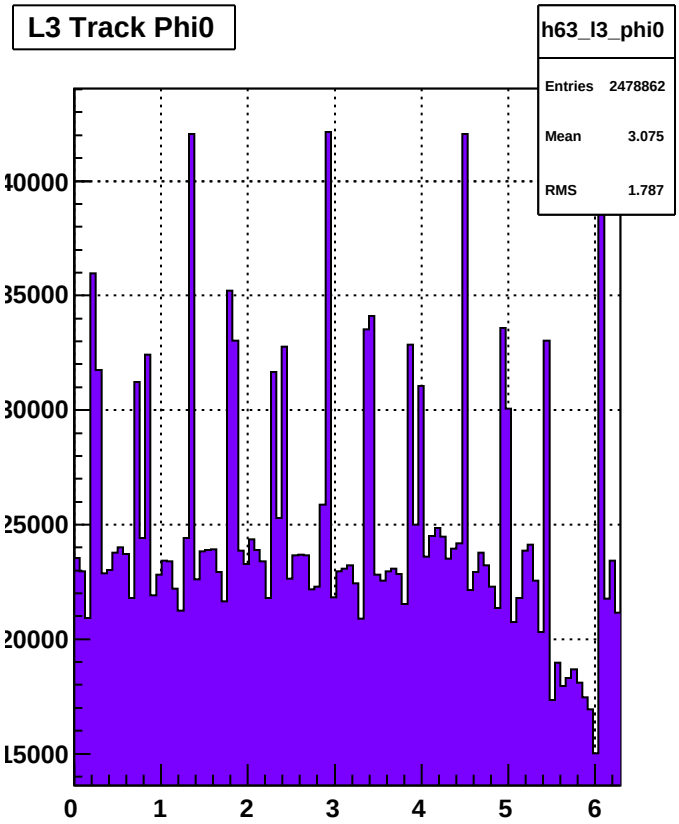

L3 Vertex Y vs X

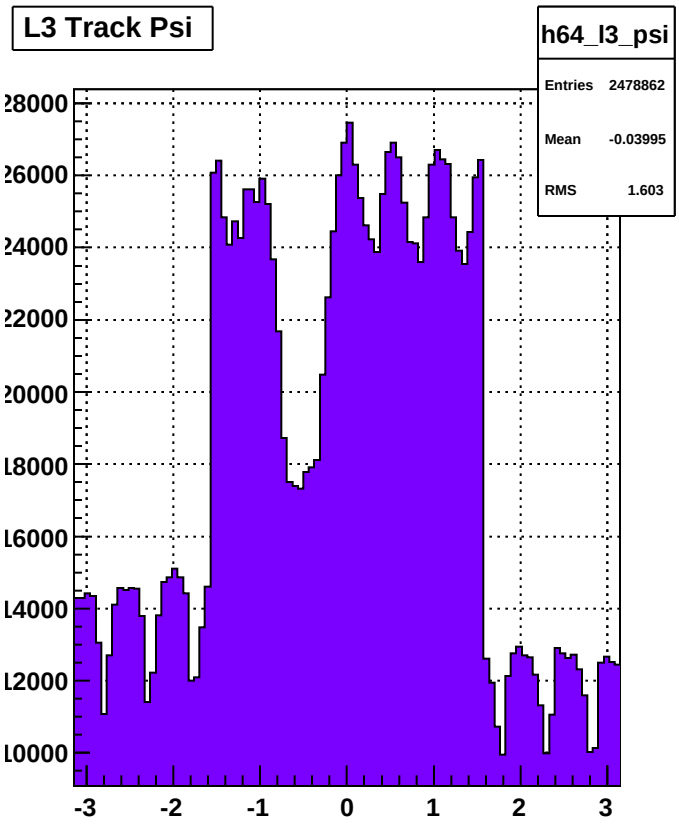


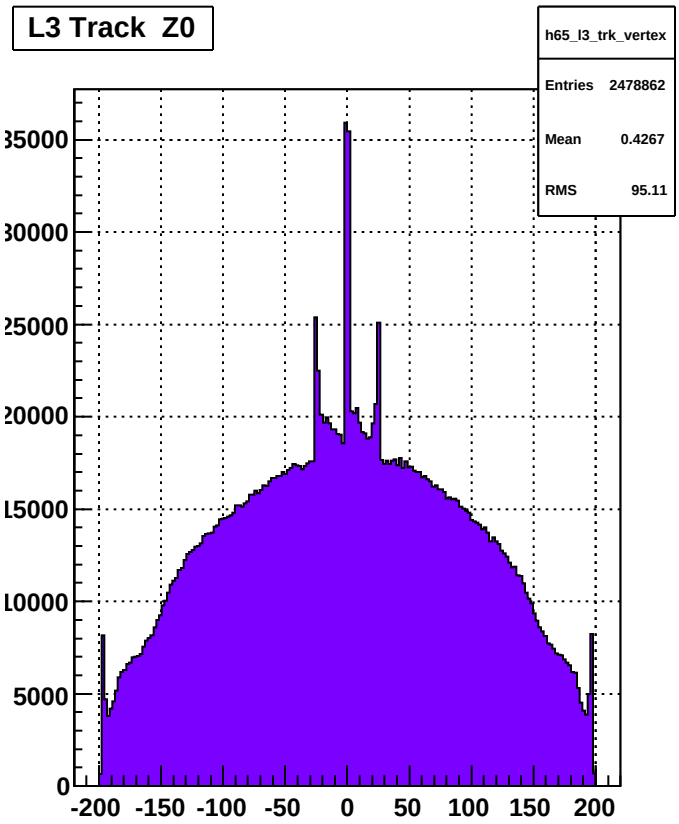

L3 Vertex-Z vs ZDC Timing difference

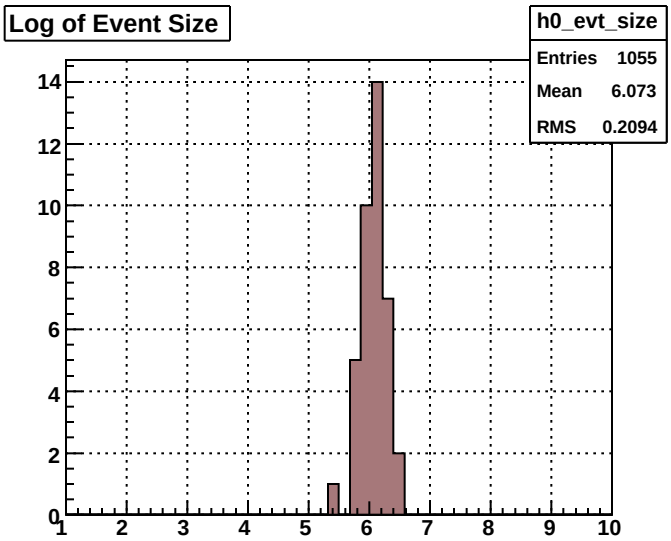


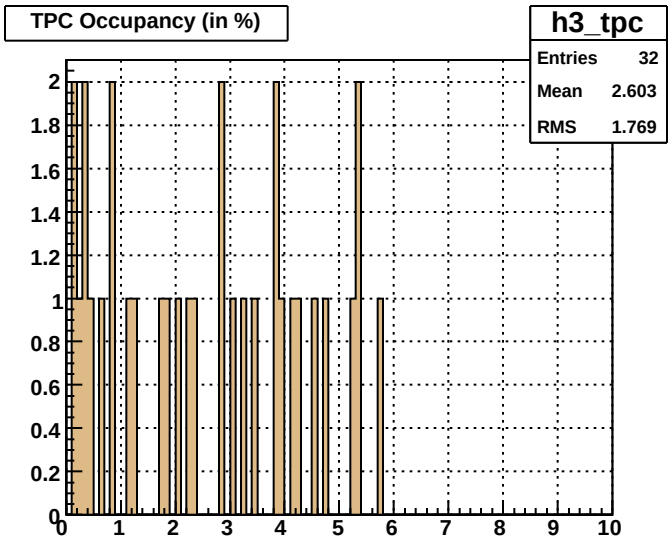

L3 Track Pt
h62_l3_pt
Entries 2478862
Mean 0.08847
RMS 0.1277
×10^3
600
500
400
300
200
100
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

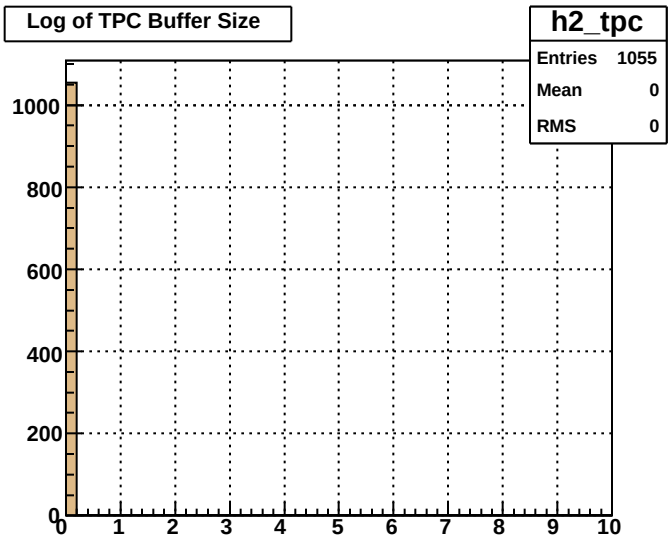

L3 Track Phi0
h63_l3_phi0
Entries 2478862
Mean 3.075
RMS 1.787
40000
35000
30000
25000
20000
15000
0 1 2 3 4 5 6

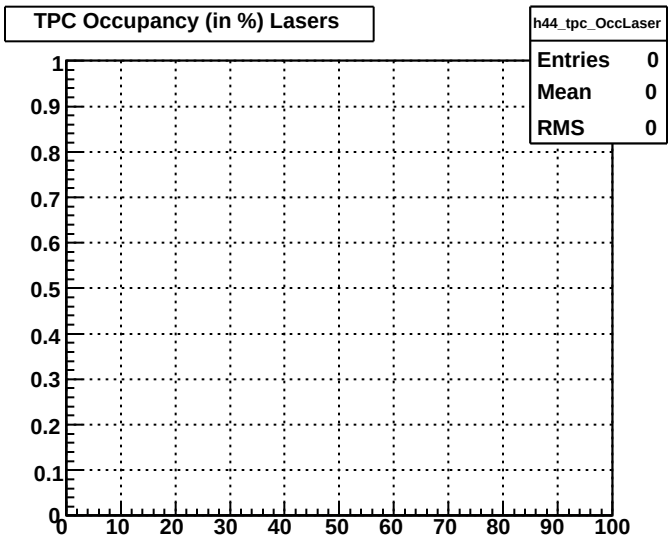

L3 Track Psi
h64_l3_psi
Entries 2478862
Mean -0.03995
RMS 1.603
28000
26000
24000
22000
20000
18000
16000
14000
12000
10000
-3 -2 -1 0 1 2 3

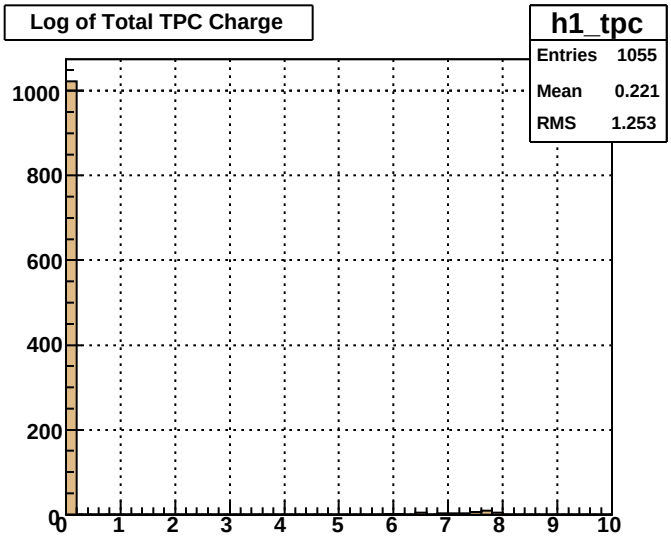

L3 Track Z0
h65_l3_trk_vertex
Entries 2478862
Mean 0.4267
RMS 95.11
35000
30000
25000
20000
15000
10000
5000
0
-200 -150 -100 -50 0 50 100 150 200

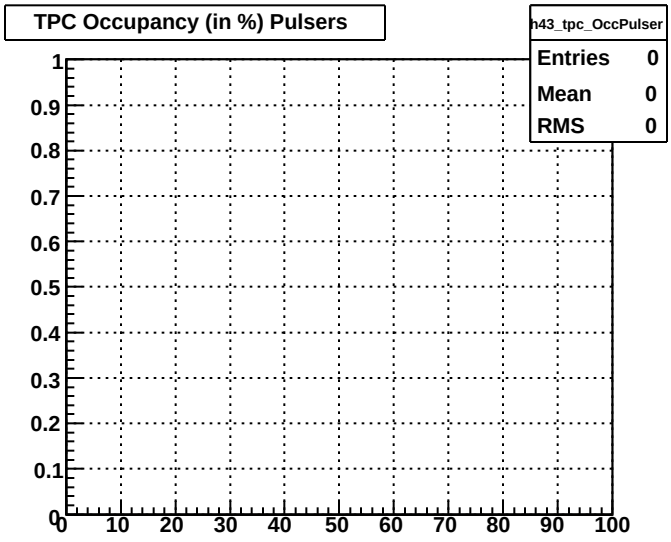

Log of Event Size
h0_evt_size
Entries 1055
Mean 6.073
RMS 0.2094


TPC Occupancy (in %)
h3_tpc
Entries 32
Mean 2.603
RMS 1.769

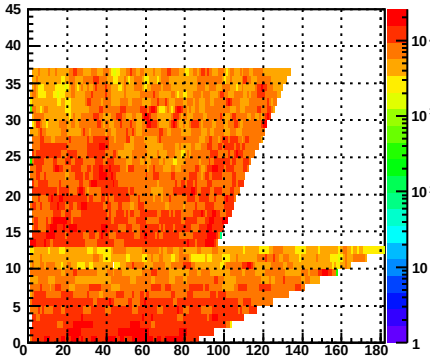

Log of TPC Buffer Size
h2_tpc
Entries 1055
Mean 0
RMS 0


TPC Occupancy (in %) Lasers
h44_tpc_OccLaser
Entries 0
Mean 0
RMS 0

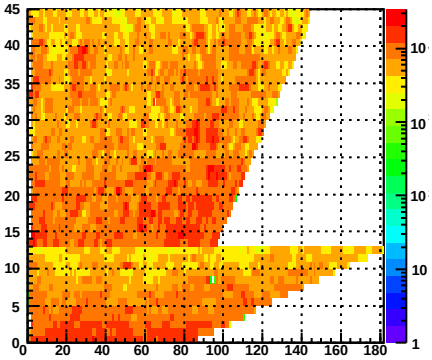

Log of Total TPC Charge
h1_tpc
Entries 1055
Mean 0.221
RMS 1.253


TPC Occupancy (in %) Pulsers
h43_tpc_OccPulser
Entries 0
Mean 0
RMS 0

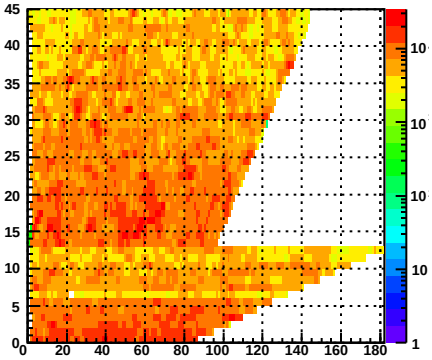
Sec. 1 charge per pad



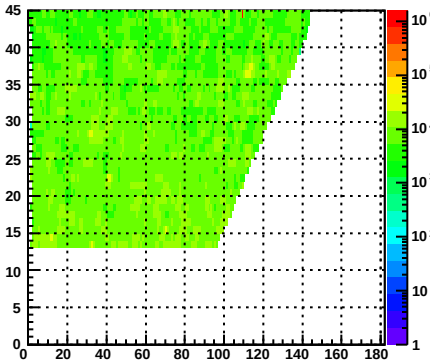
Sec. 2 charge per pad



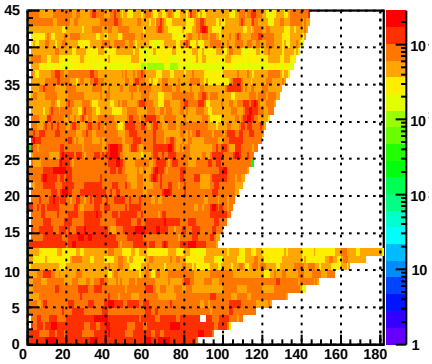
Sec. 3 charge per pad



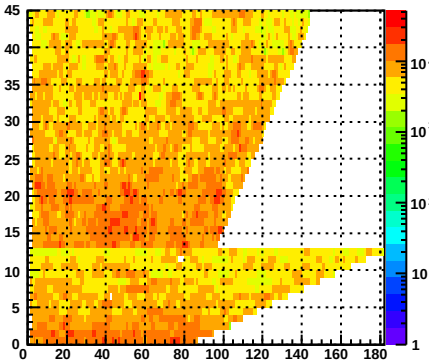
Sec. 4 charge per pad



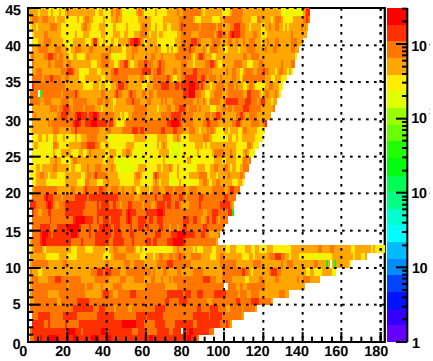
Sec. 5 charge per pad



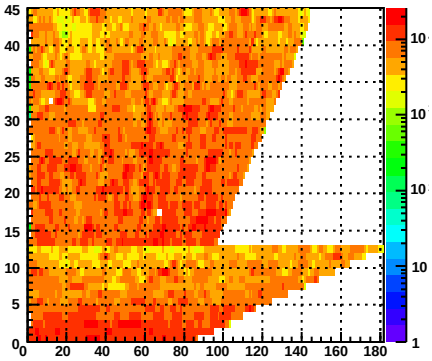
Sec. 6 charge per pad



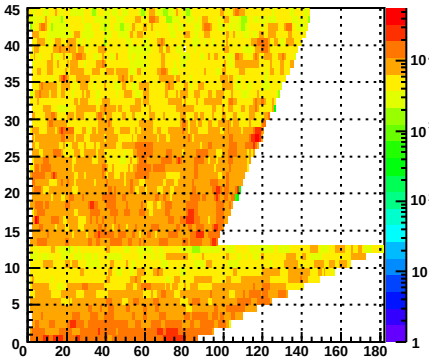
Sec. 7 charge per pad



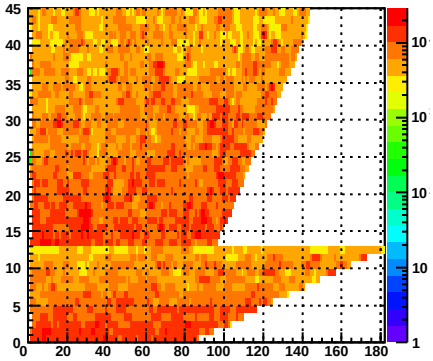
Sec. 8 charge per pad



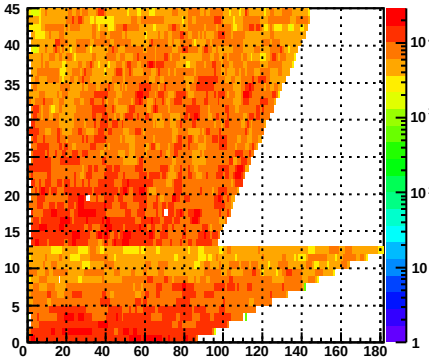
Sec. 9 charge per pad



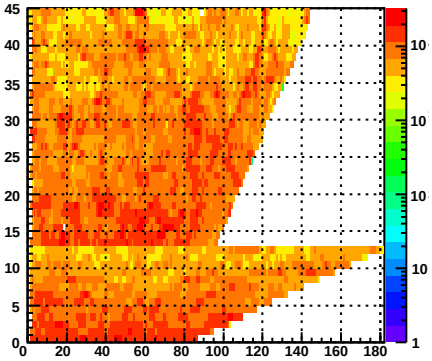
Sec. 10 charge per pad



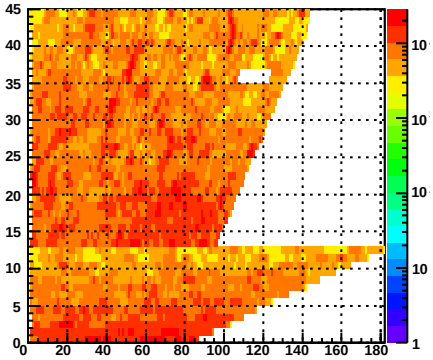
Sec. 11 charge per pad



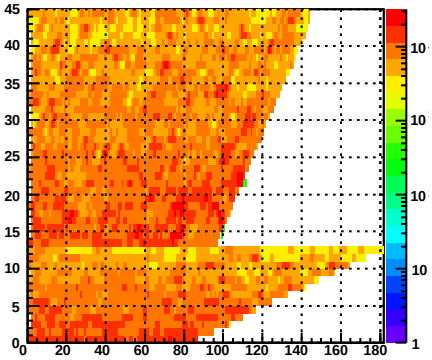
Sec. 12 charge per pad



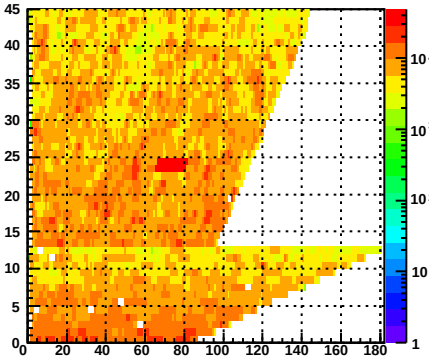
Sec. 13 charge per pad



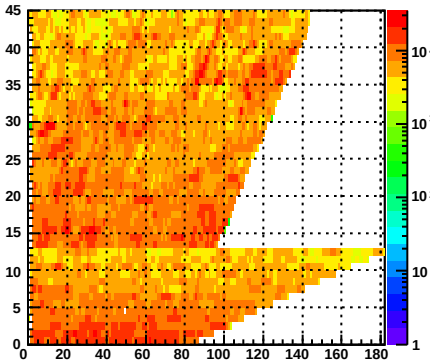
Sec. 14 charge per pad



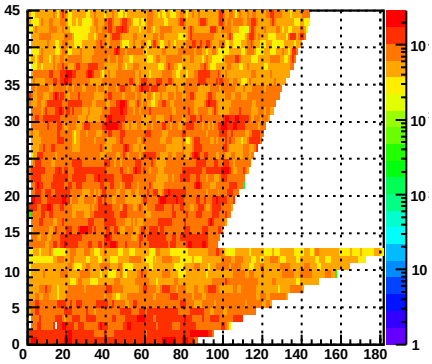
Sec. 15 charge per pad



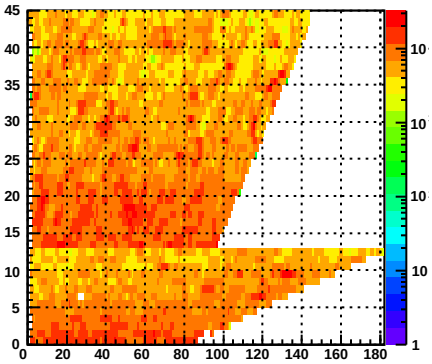
Sec. 16 charge per pad



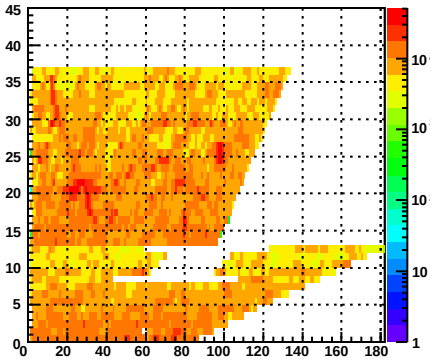
Sec. 17 charge per pad



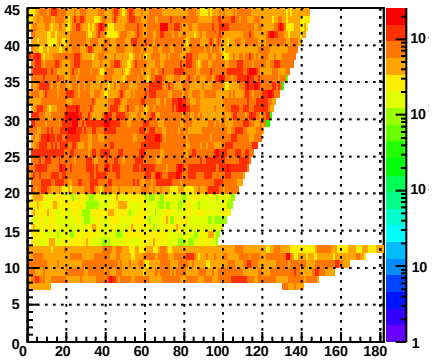
Sec. 18 charge per pad



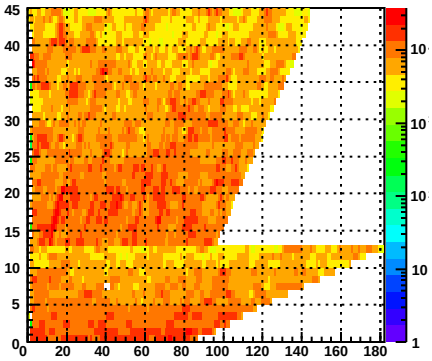
Sec. 19 charge per pad



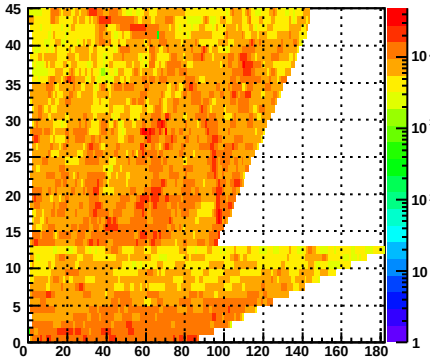
Sec. 20 charge per pad



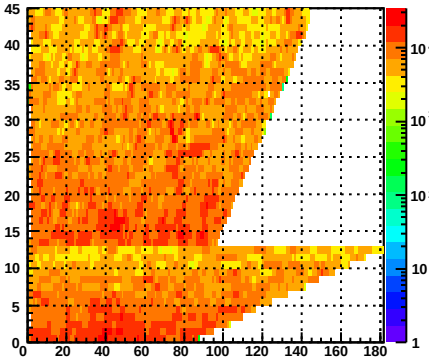
Sec. 21 charge per pad



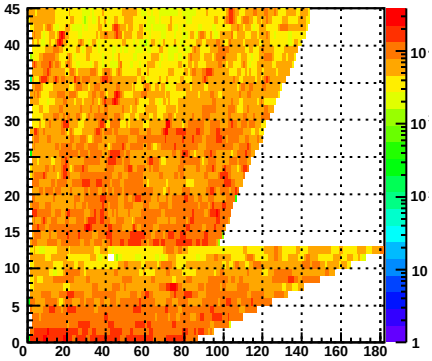
Sec. 22 charge per pad

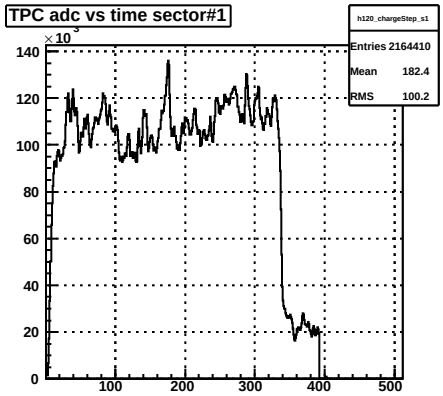


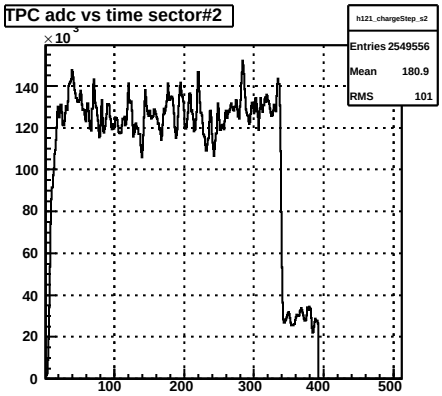
Sec. 23 charge per pad

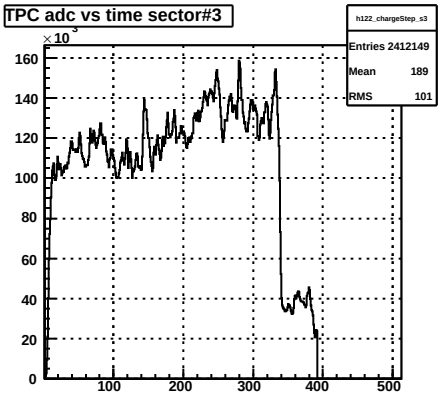


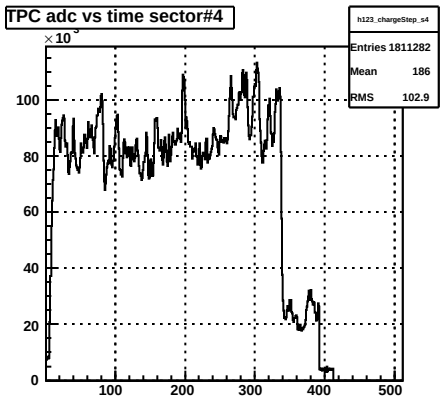
Sec. 24 charge per pad

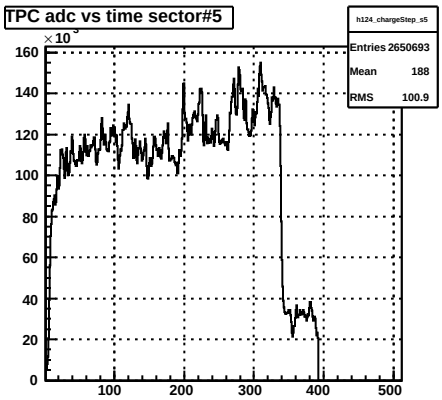


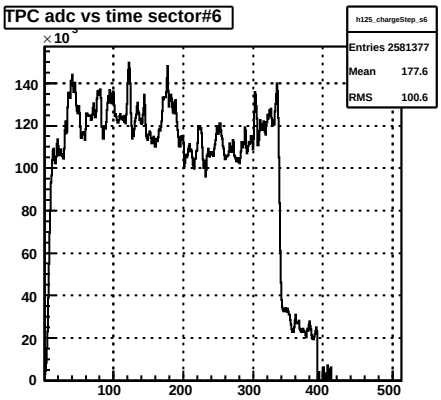

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 2164410
Mean 182.4
RMS 100.2

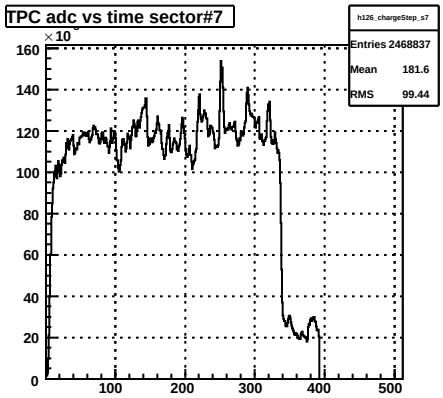

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 2549556
Mean 180.9
RMS 101

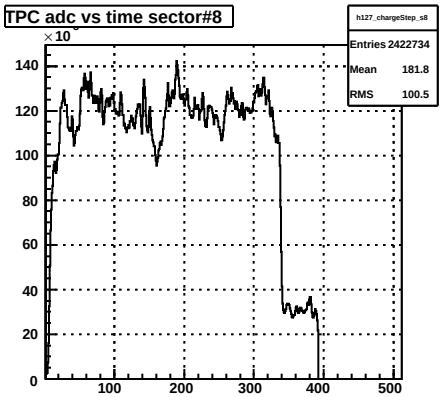

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 2412149
Mean 189
RMS 101

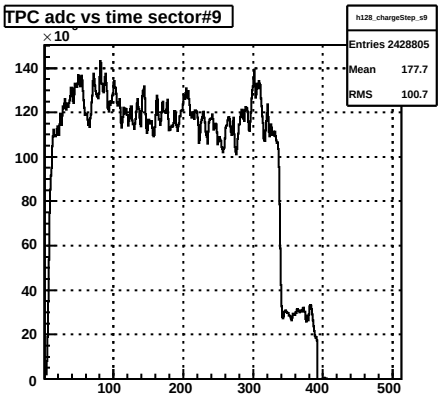

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 1811282
Mean 186
RMS 102.9

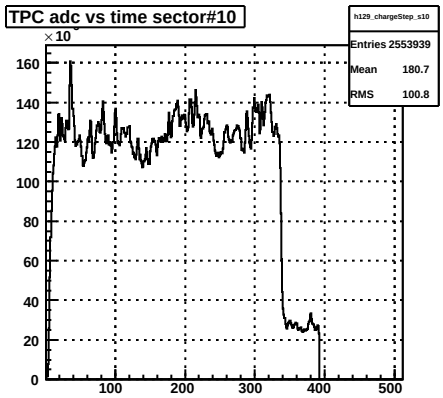

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 2650693
Mean 188
RMS 100.9

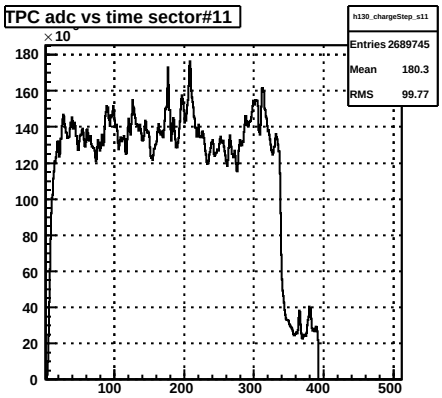

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 2581377
Mean 177.6
RMS 100.6

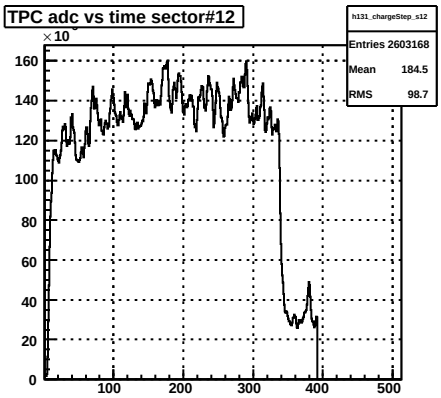

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 2468837
Mean 181.6
RMS 99.44

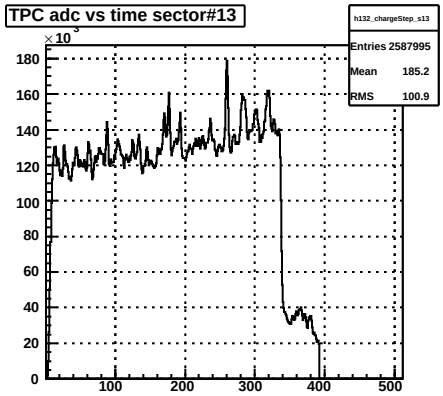

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 2422734
Mean 181.8
RMS 100.5

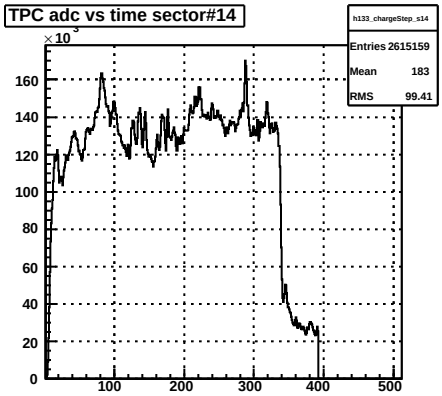

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 2428805
Mean 177.7
RMS 100.7

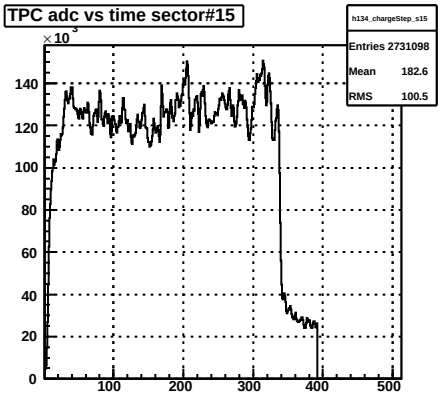

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 2553939
Mean 180.7
RMS 100.8

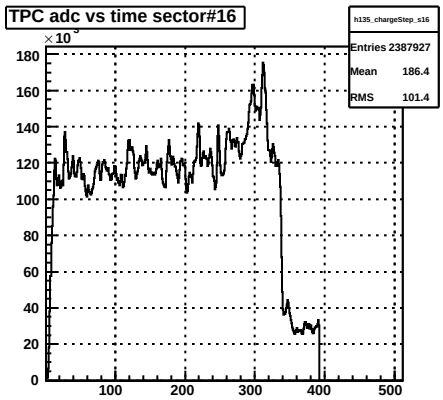

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 2689745
Mean 180.3
RMS 99.77

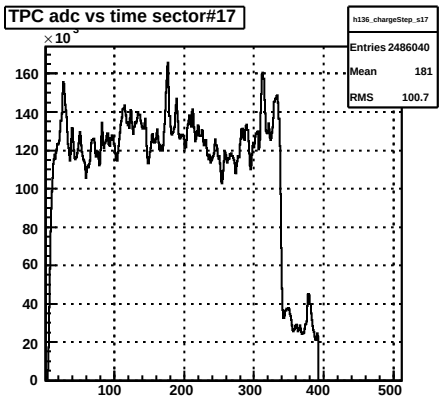

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 2603168
Mean 184.5
RMS 98.7

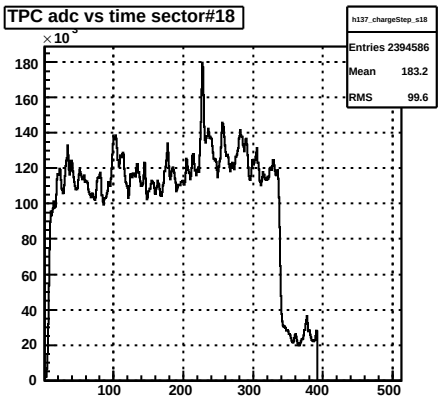

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 2587995
Mean 185.2
RMS 100.9

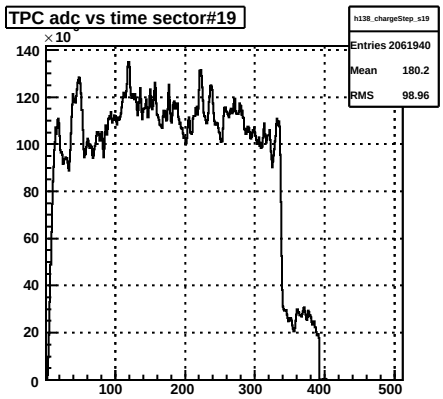

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 2615159
Mean 183
RMS 99.41

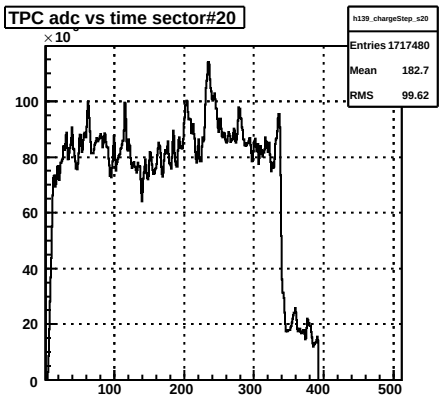

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 2731098
Mean 182.6
RMS 100.5

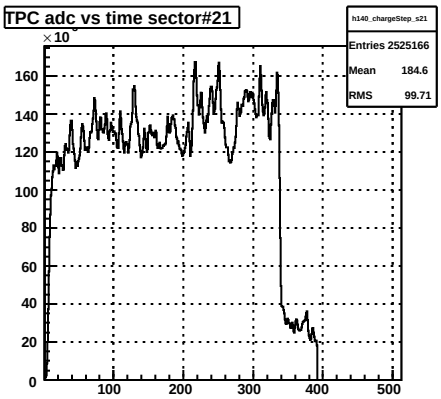

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 2387927
Mean 186.4
RMS 101.4

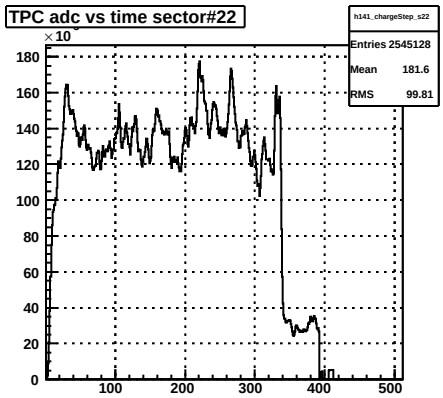

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 2486040
Mean 181
RMS 100.7

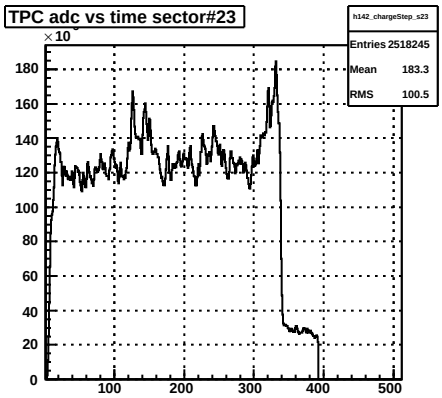

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 2394586
Mean 183.2
RMS 99.6

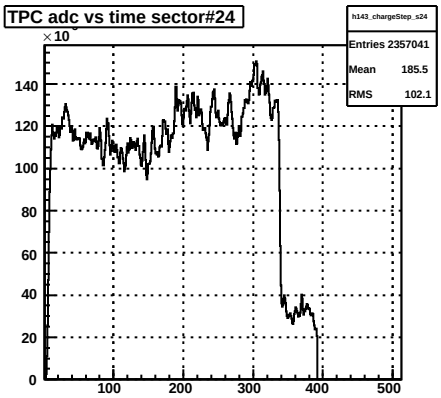

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 2061940
Mean 180.2
RMS 98.96

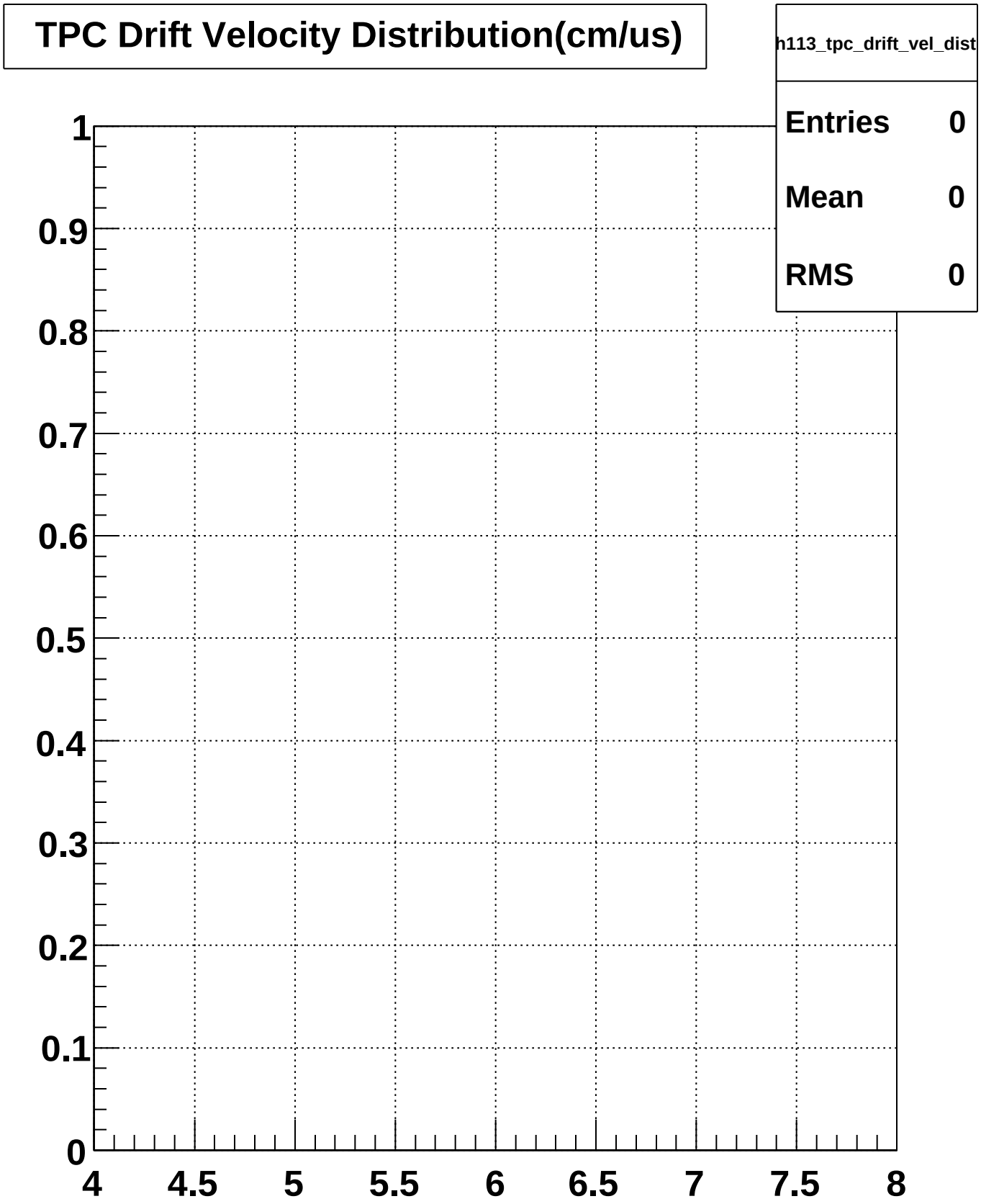

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 1717480
Mean 182.7
RMS 99.62

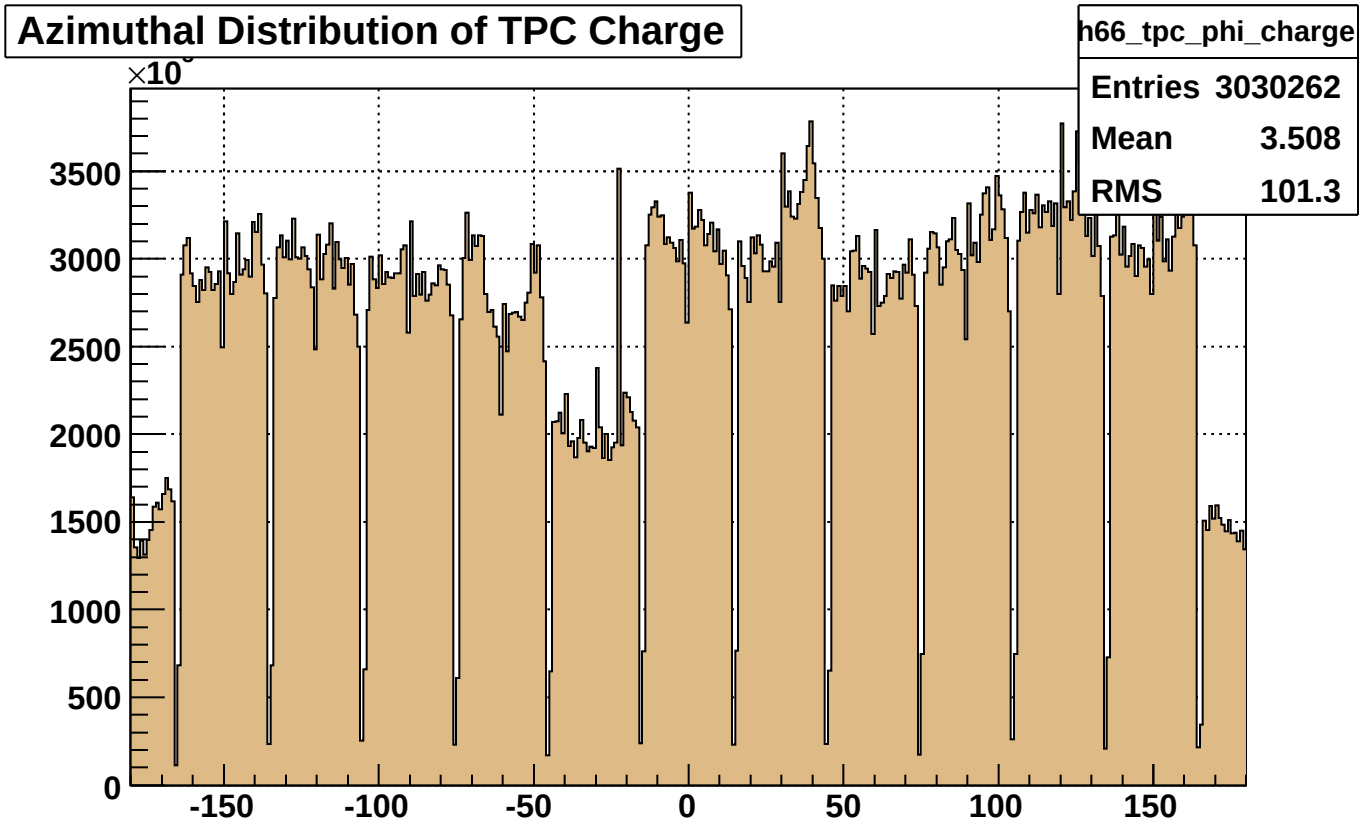

TPC adc vs time sector#21
h140_chargeStep_s21
Entries 2525166
Mean 184.6
RMS 99.71

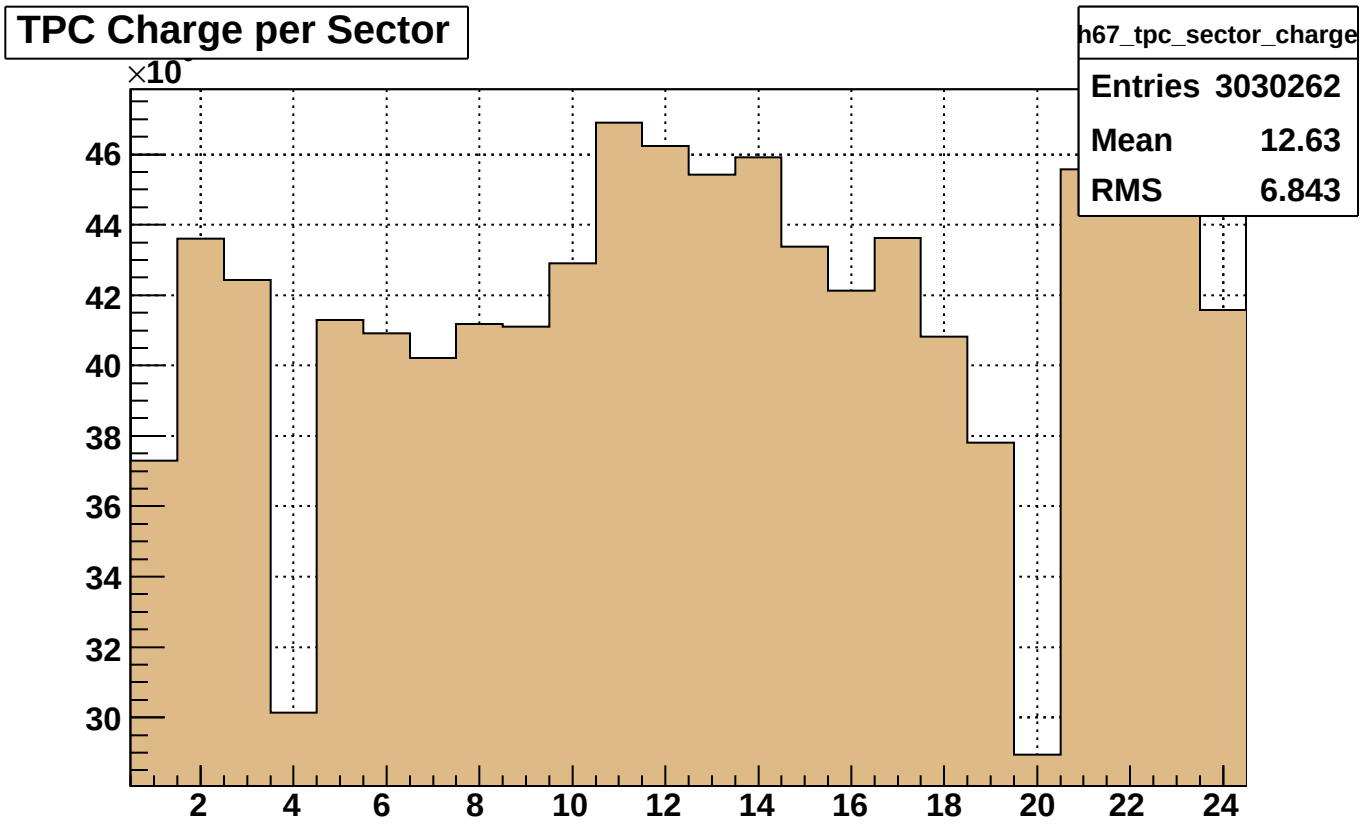

TPC adc vs time sector#22
h141_chargeStep_s22
Entries 2545128
Mean 181.6
RMS 99.81

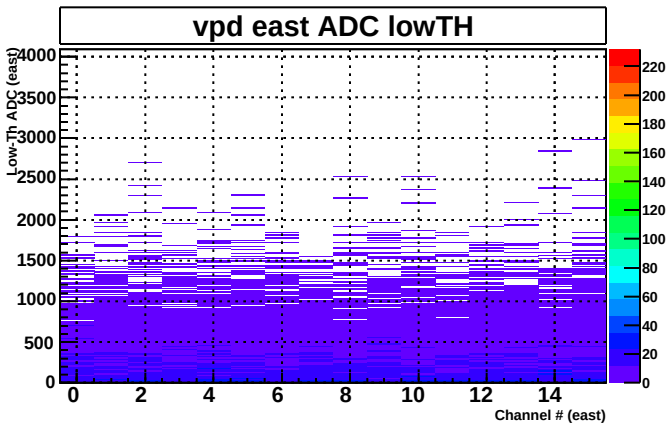

TPC adc vs time sector#23
h142_chargeStep_s23
Entries 2518245
Mean 183.3
RMS 100.5

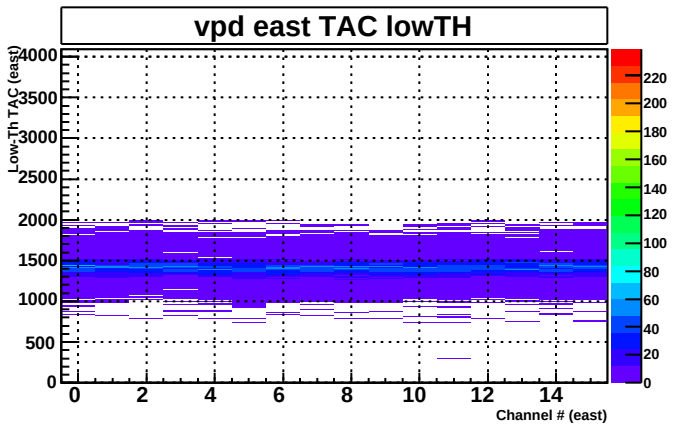

TPC adc vs time sector#24
h143_chargeStep_s24
Entries 2357041
Mean 185.5
RMS 102.1

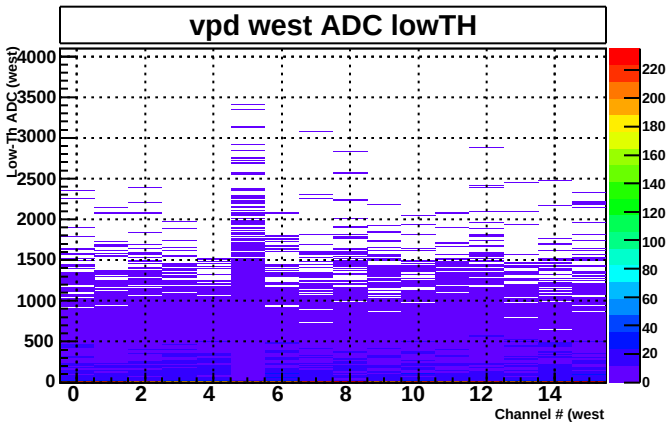

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4
4.5
5
5.5
6
6.5
7
7.5
8

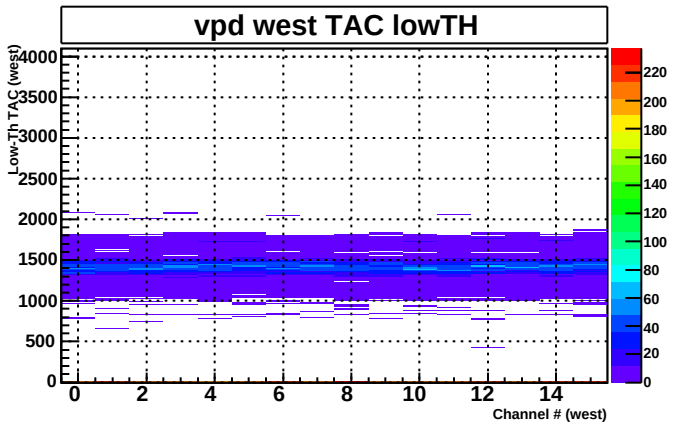

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 3030262
Mean 3.508
RMS 101.3
×10
3500
3000
2500
2000
1500
1000
500
0
-150
-100
-50
0
50
100
150

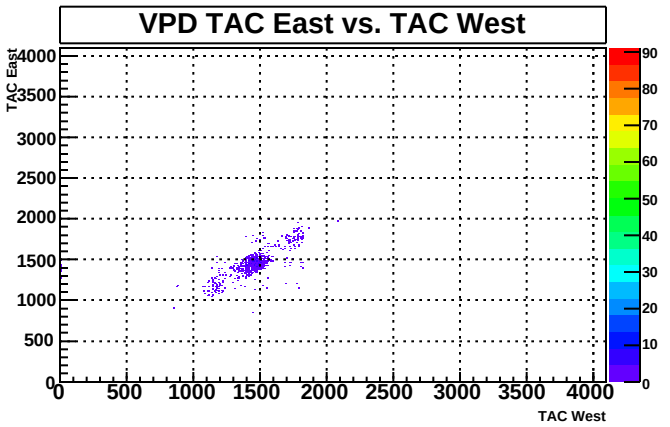

TPC Charge per Sector
h67_tpc_sector_charge
Entries 3030262
Mean 12.63
RMS 6.843
×10
46
44
42
40
38
36
34
32
30
2
4
6
8
10
12
14
16
18
20
22
24

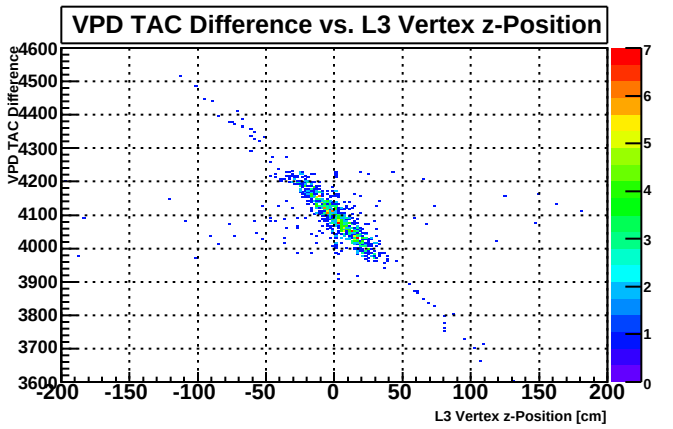

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

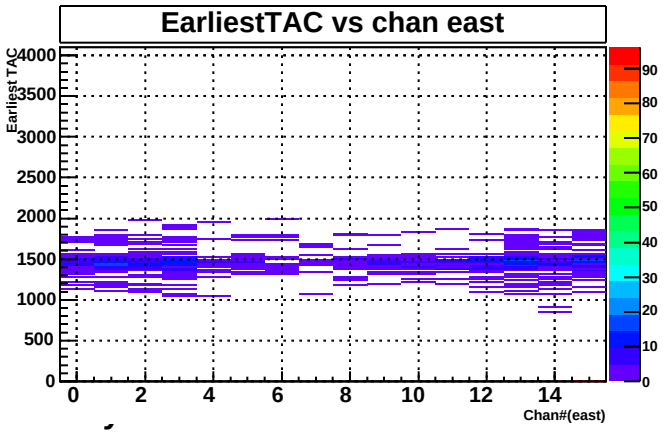

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

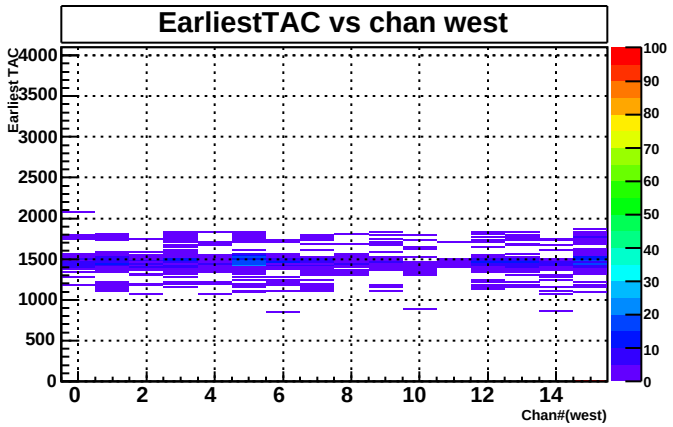

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

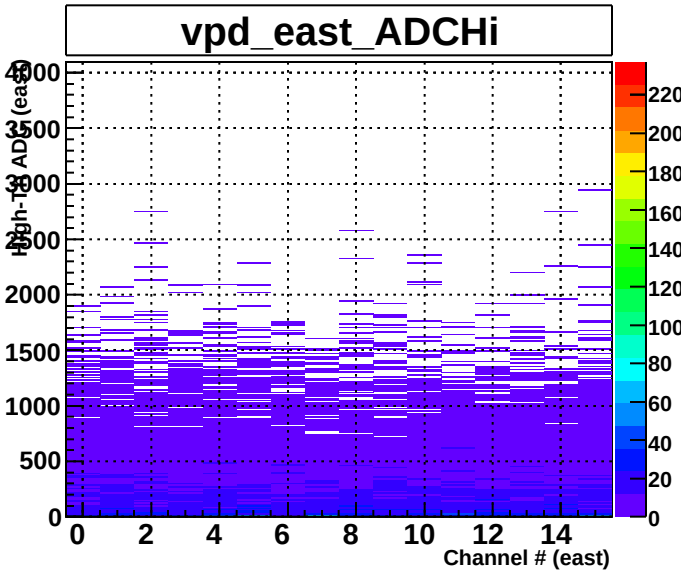

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

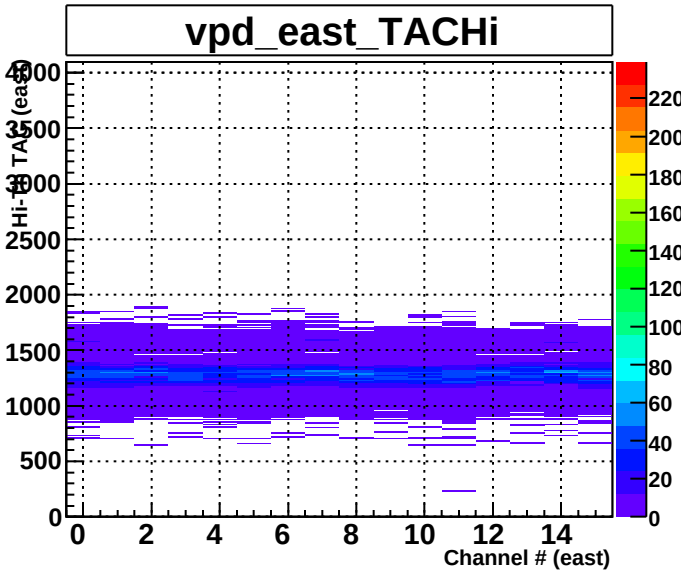

VPD TAC East vs. TAC West
TAC East
TAC West

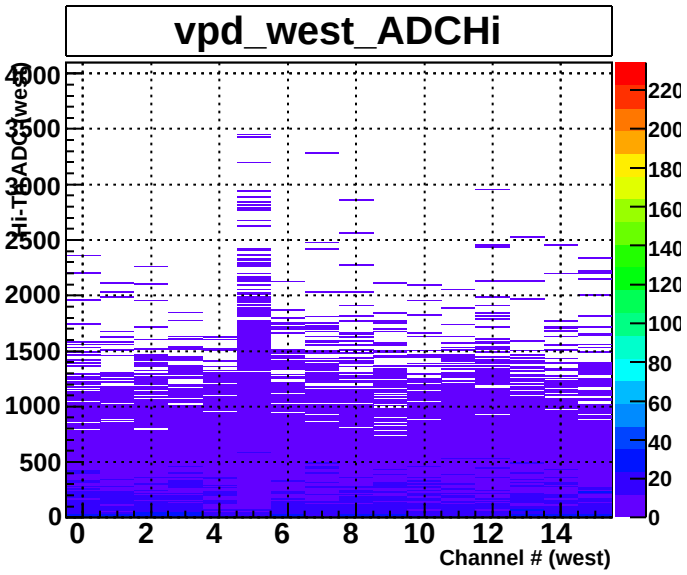

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

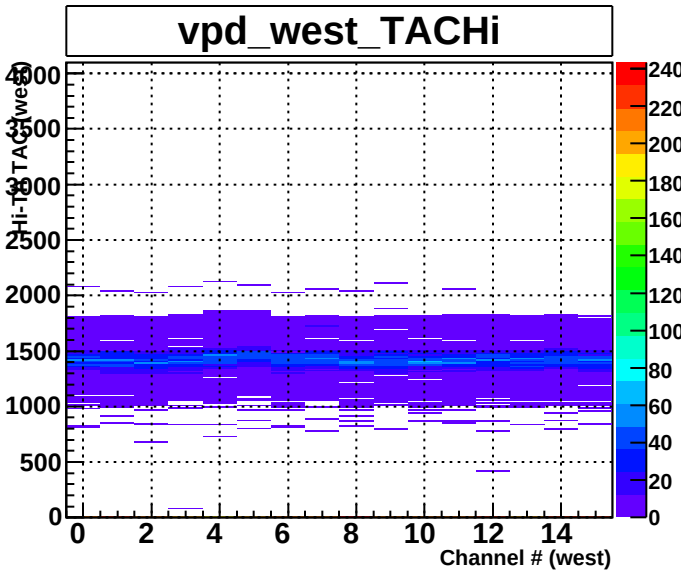

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

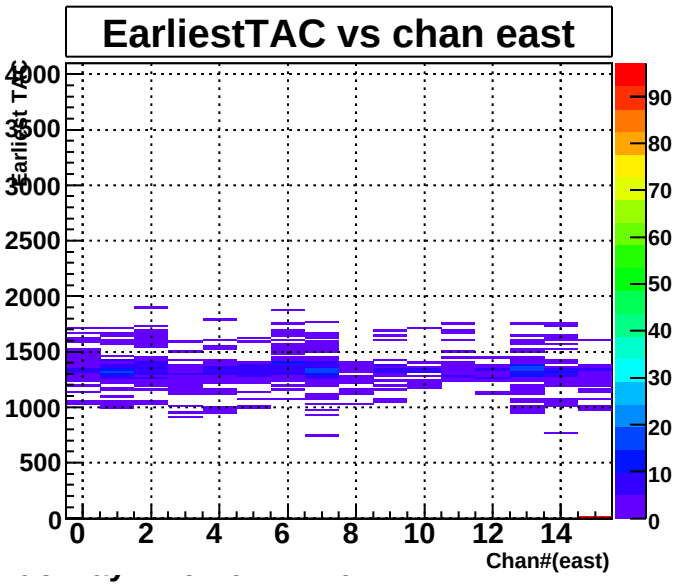

EarliestTAC vs chan west
Earliest TAC
Chan#(west)

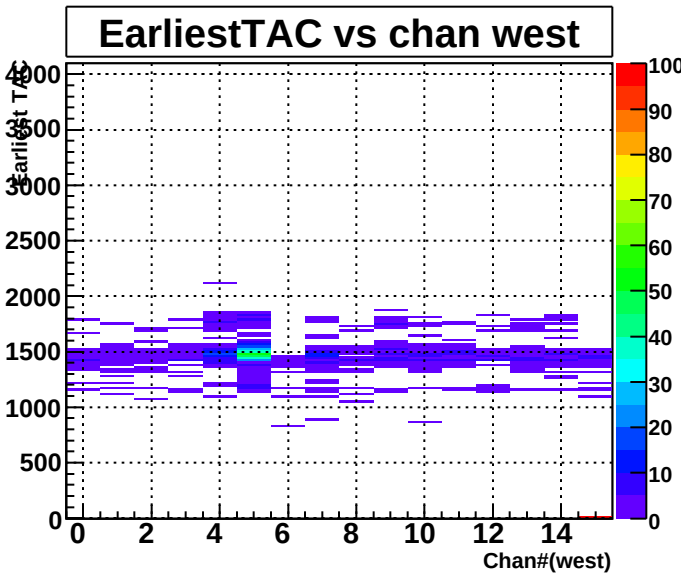

vpd_east_ADCHi
High-Hi ADC (east)
Channel # (east)

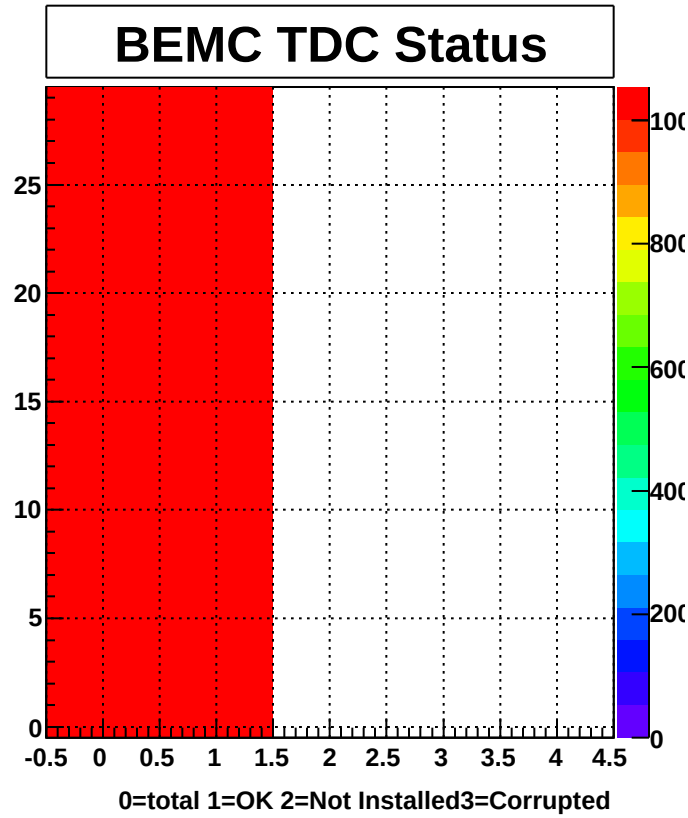

vpd_east_TACHi
Hi-Hi TAC (east)
Channel # (east)

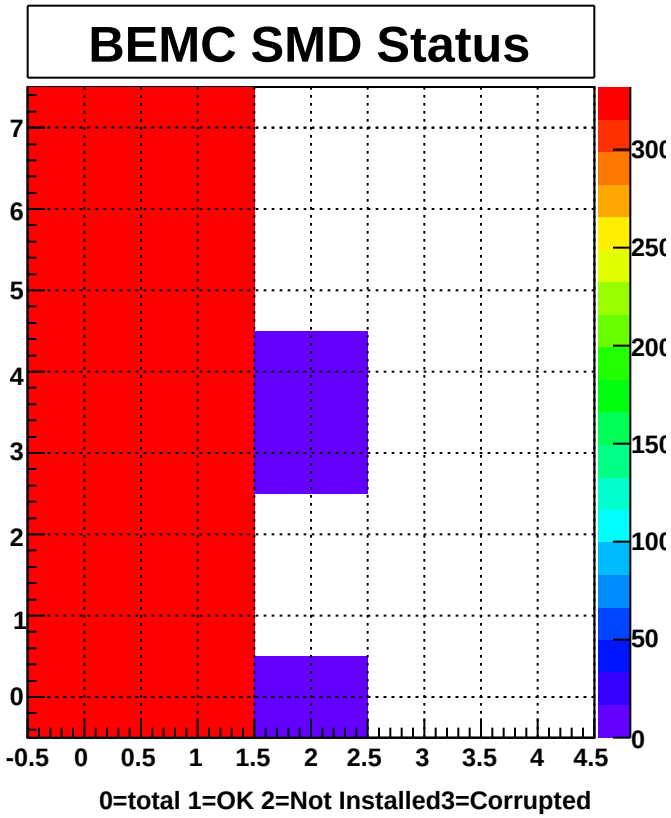

vpd_west_ADCHi
Hi-Hi ADC (west)
Channel # (west)

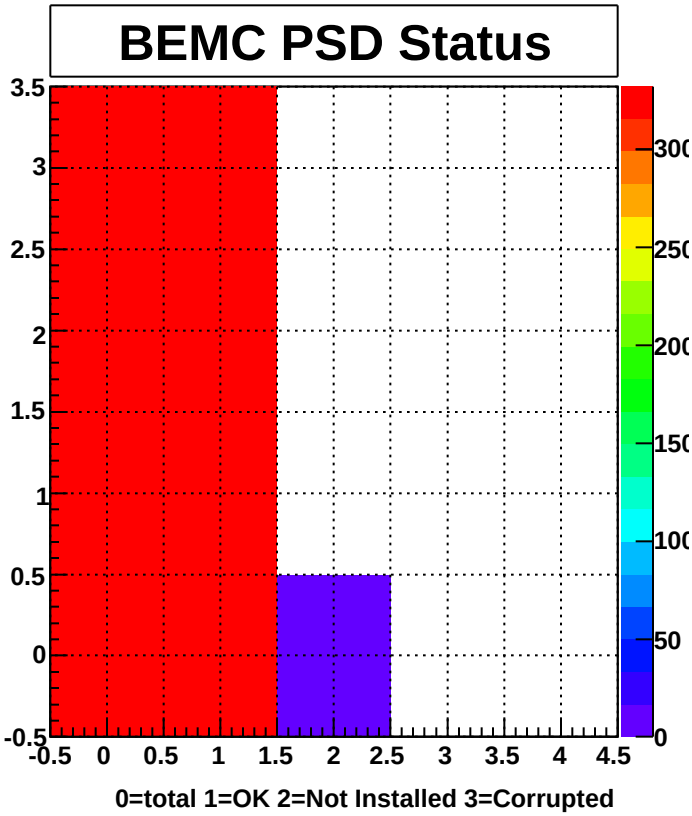

vpd_west_TACHi
Hi-Hi TAC (west)
Channel # (west)

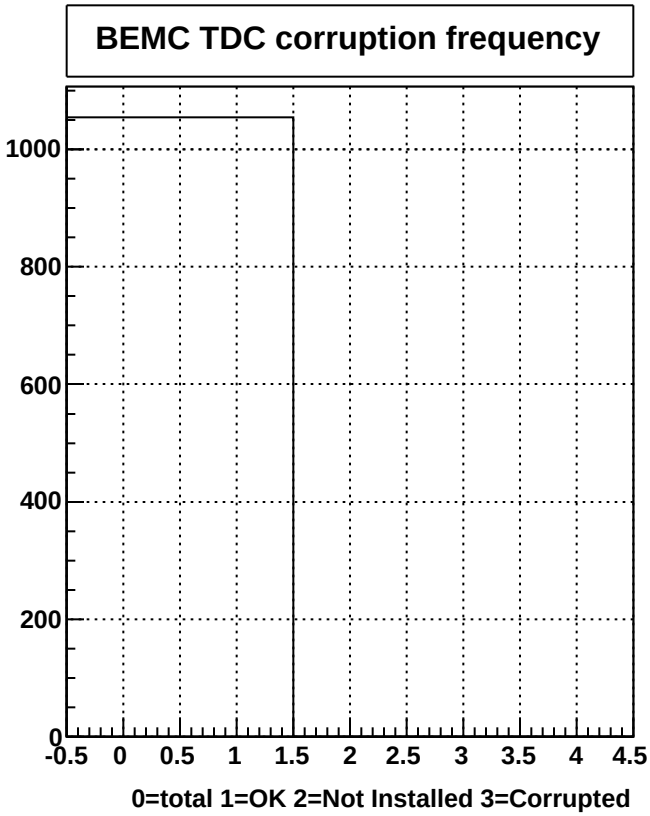

EarliestTAC vs chan east
Earliest TAC
Chan#(east)


EarliestTAC vs chan west
Earliest TAC
Chan#(west)

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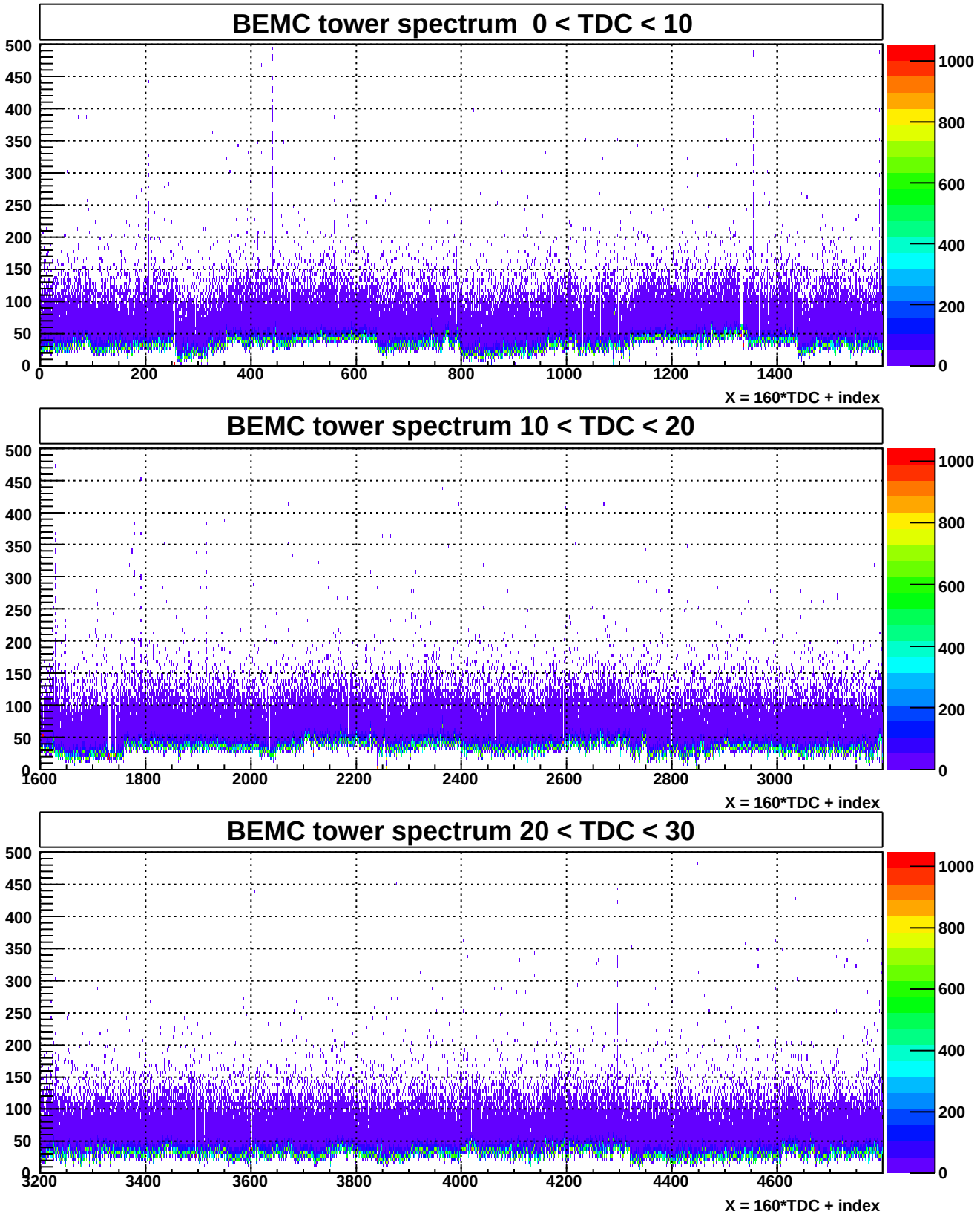


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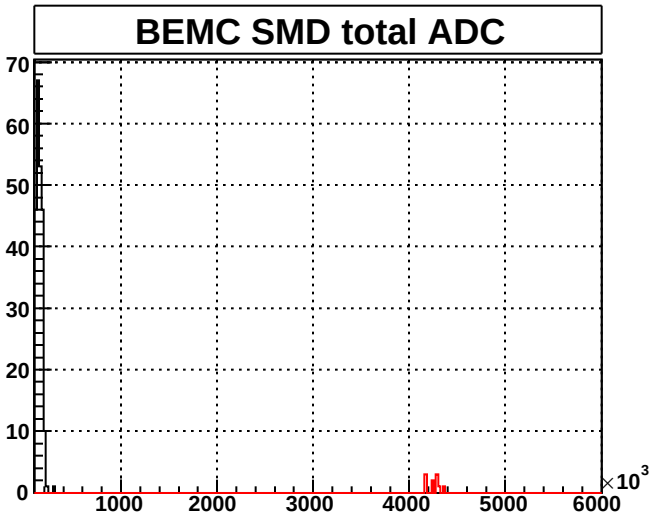


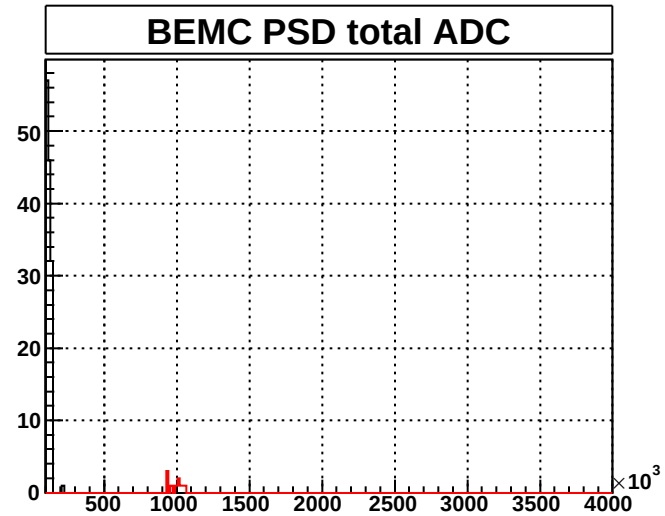


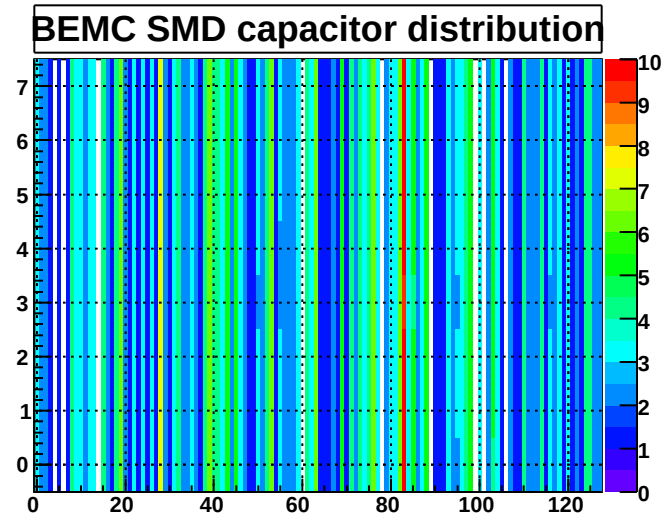


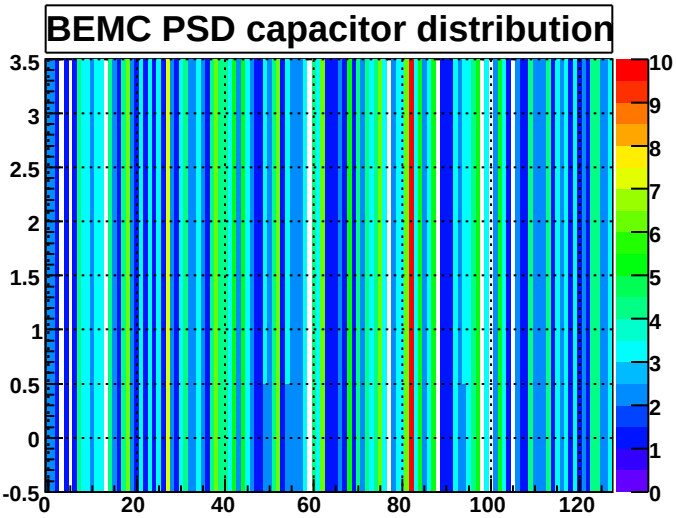


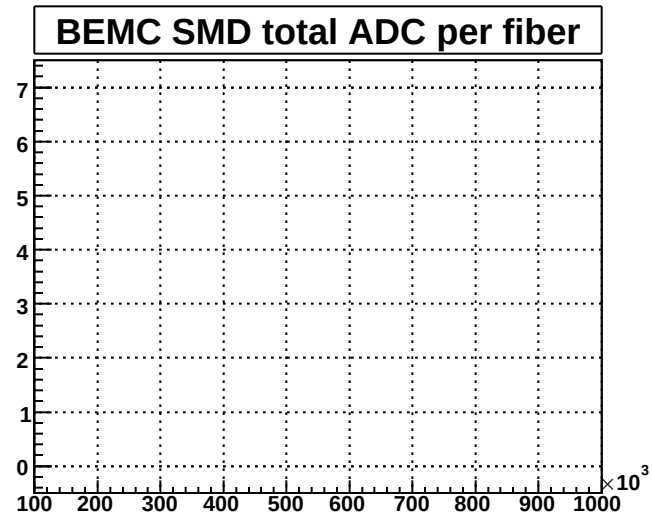


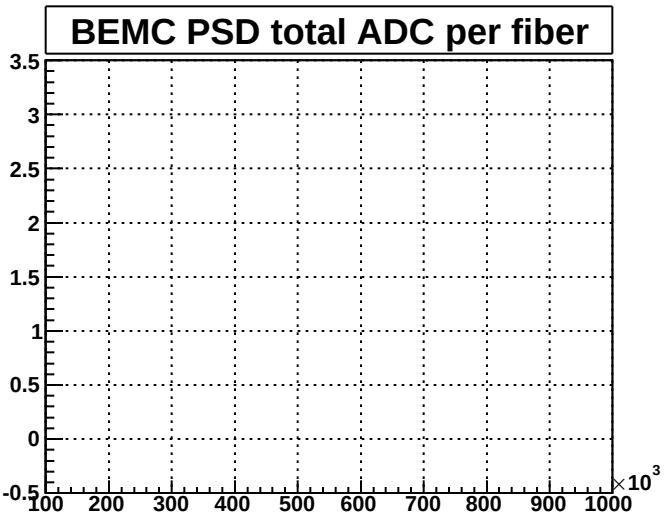


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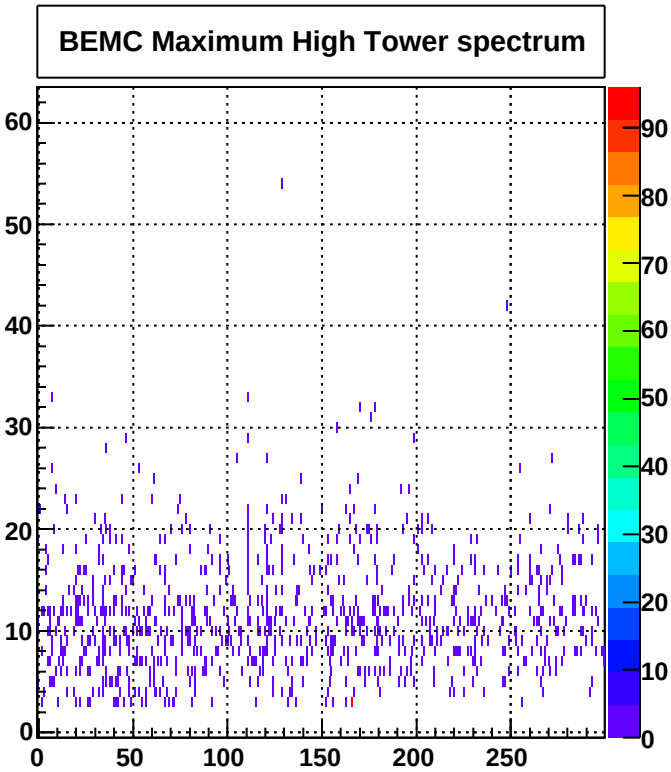


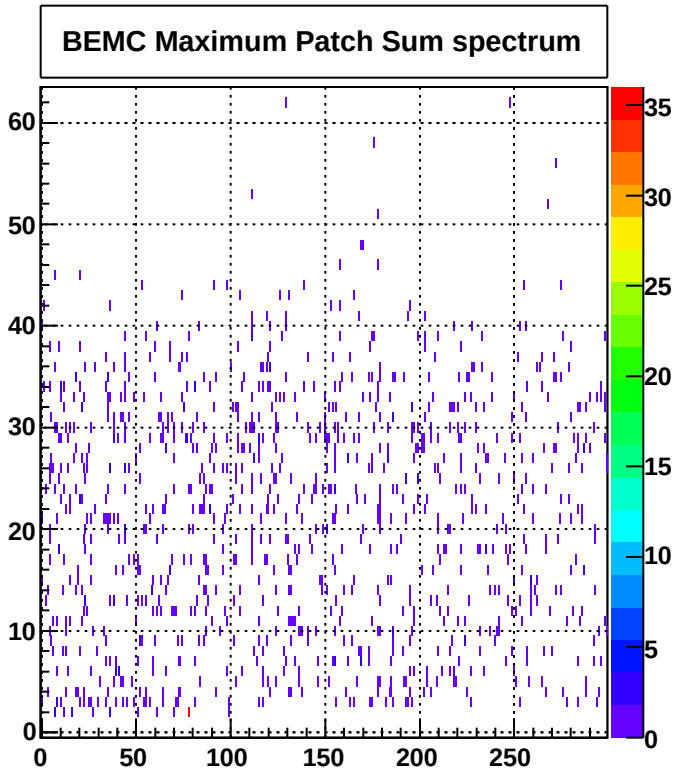


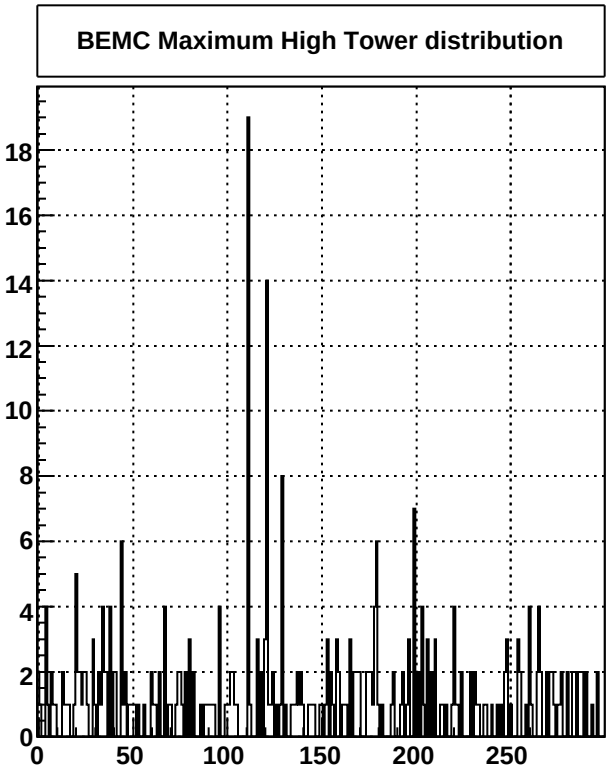


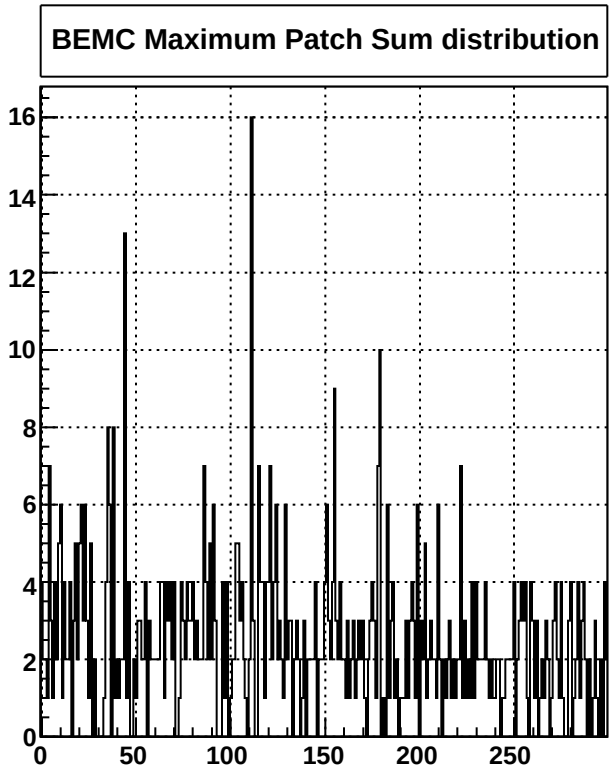


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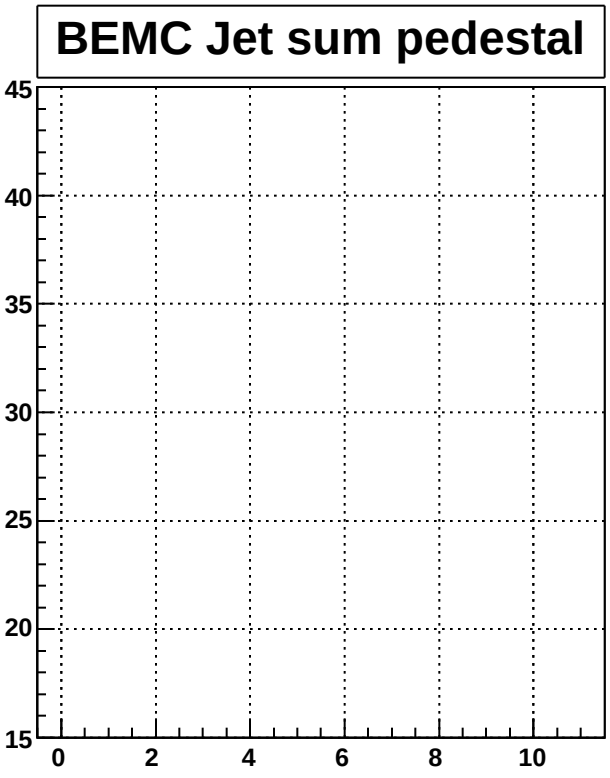


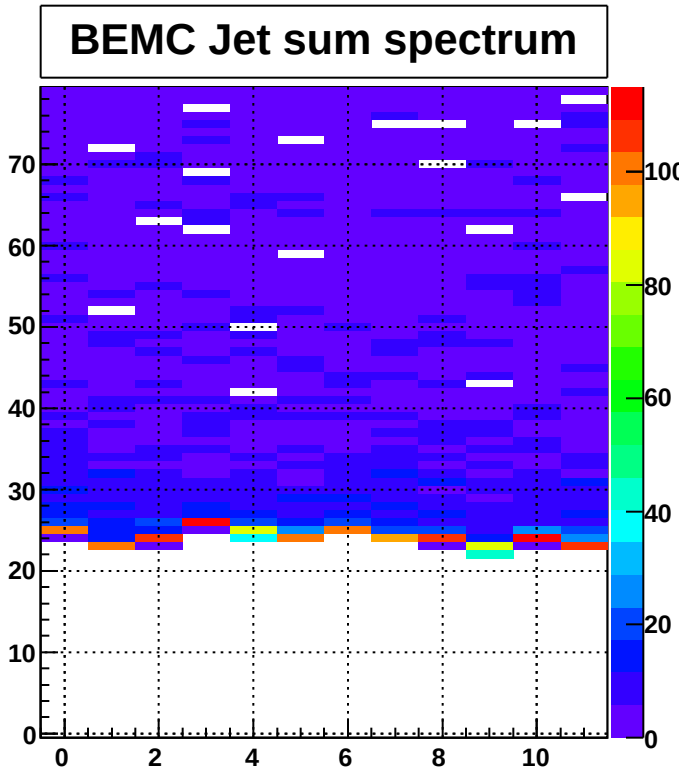


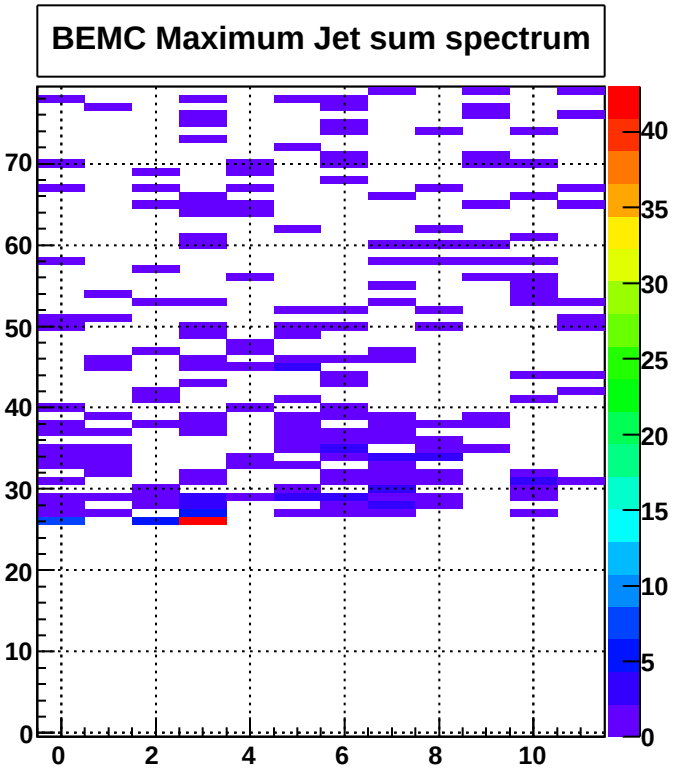


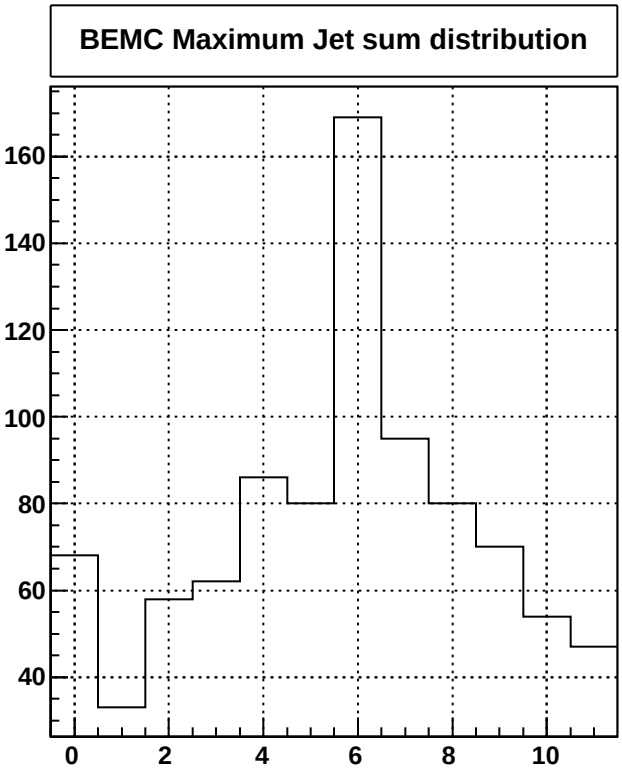


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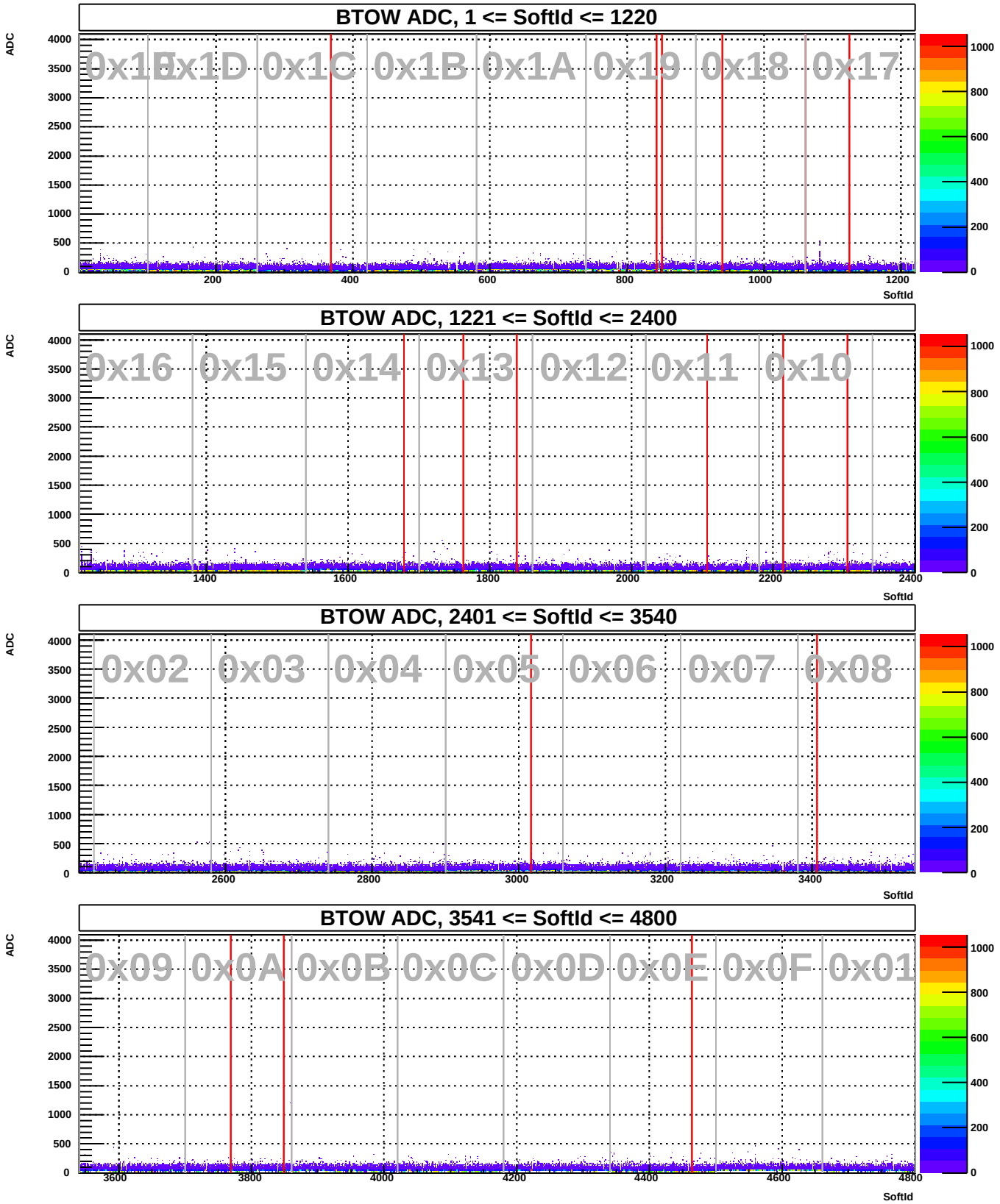
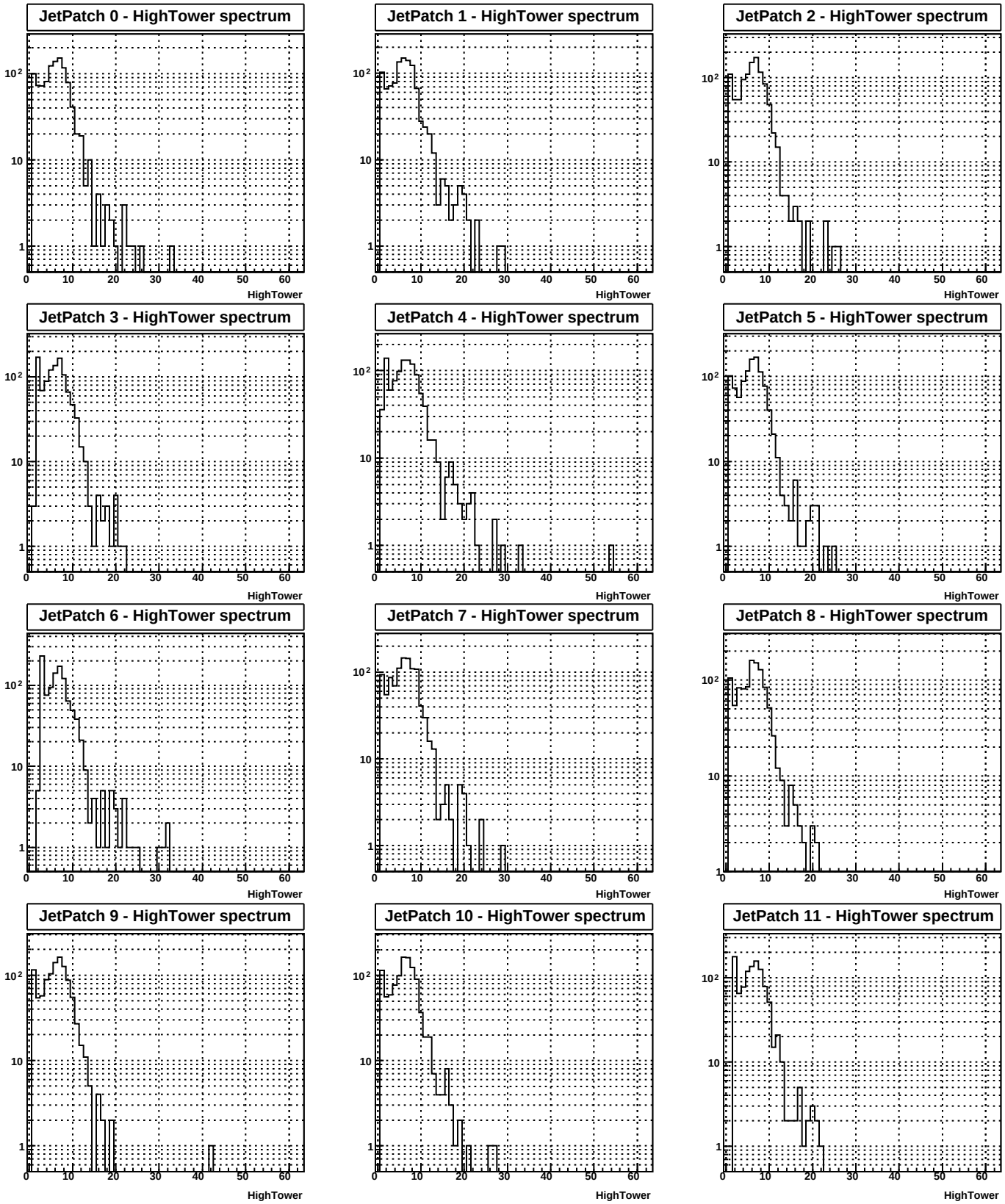
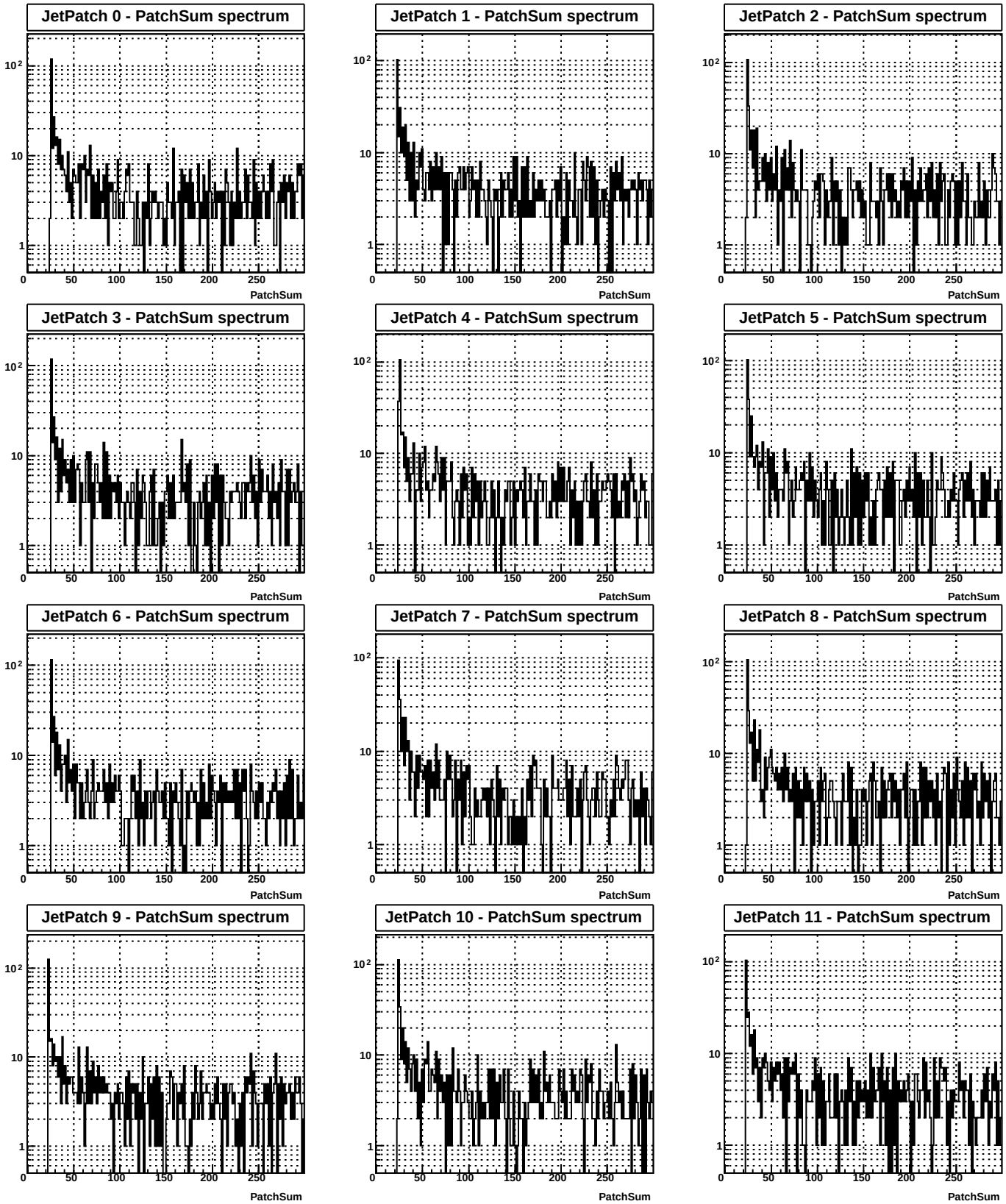


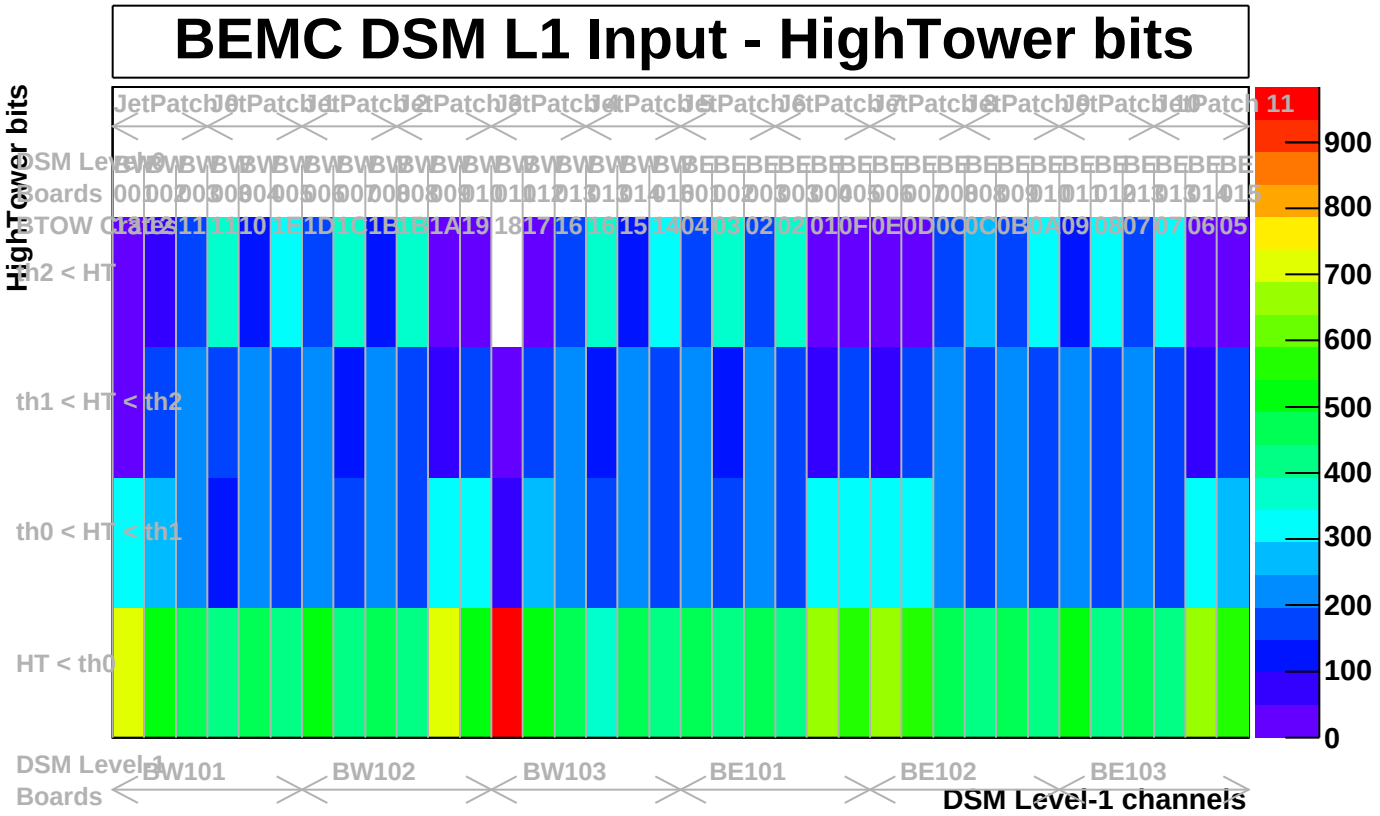

**Tue May 24 07:04:46 2011**

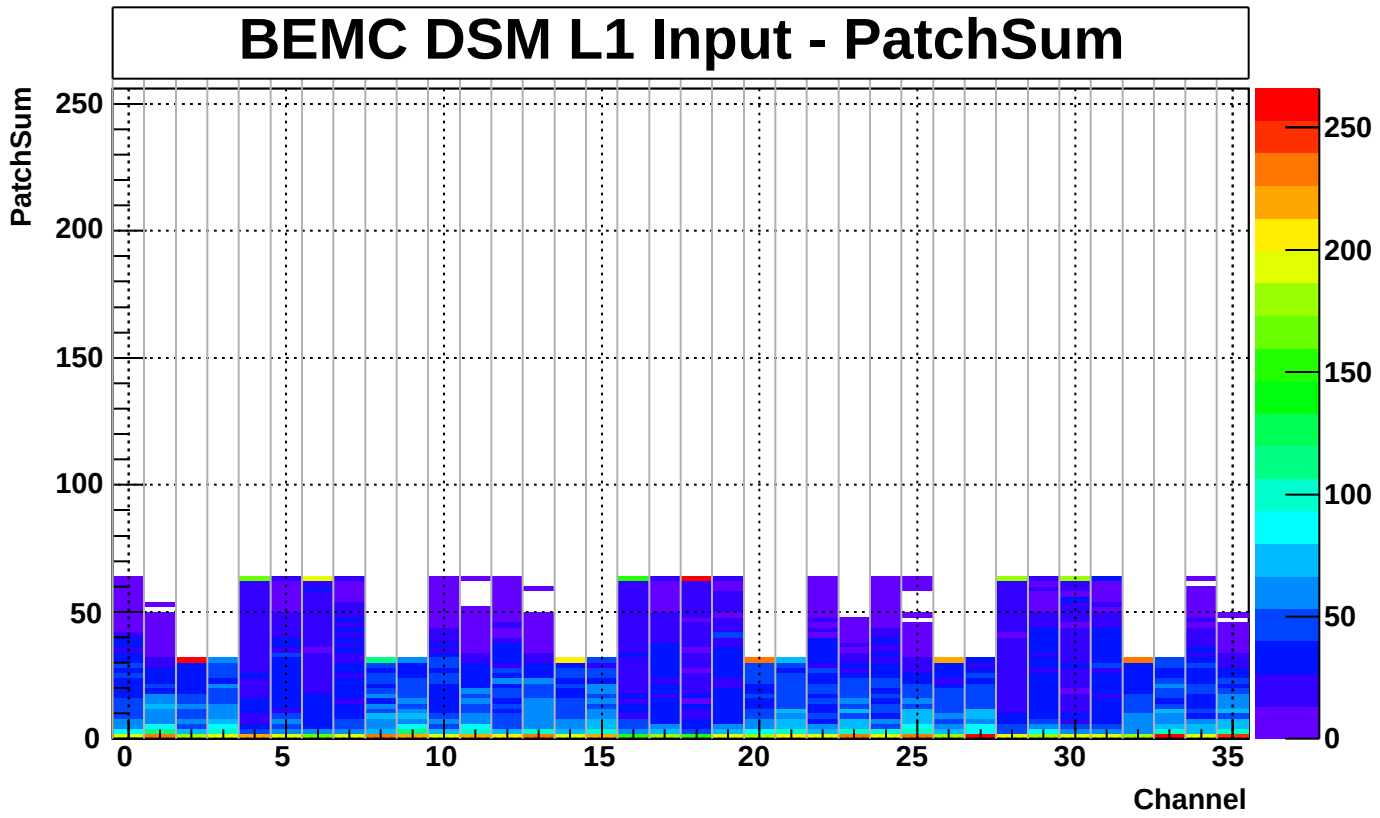



**Tue May 24 07:04:46 2011**

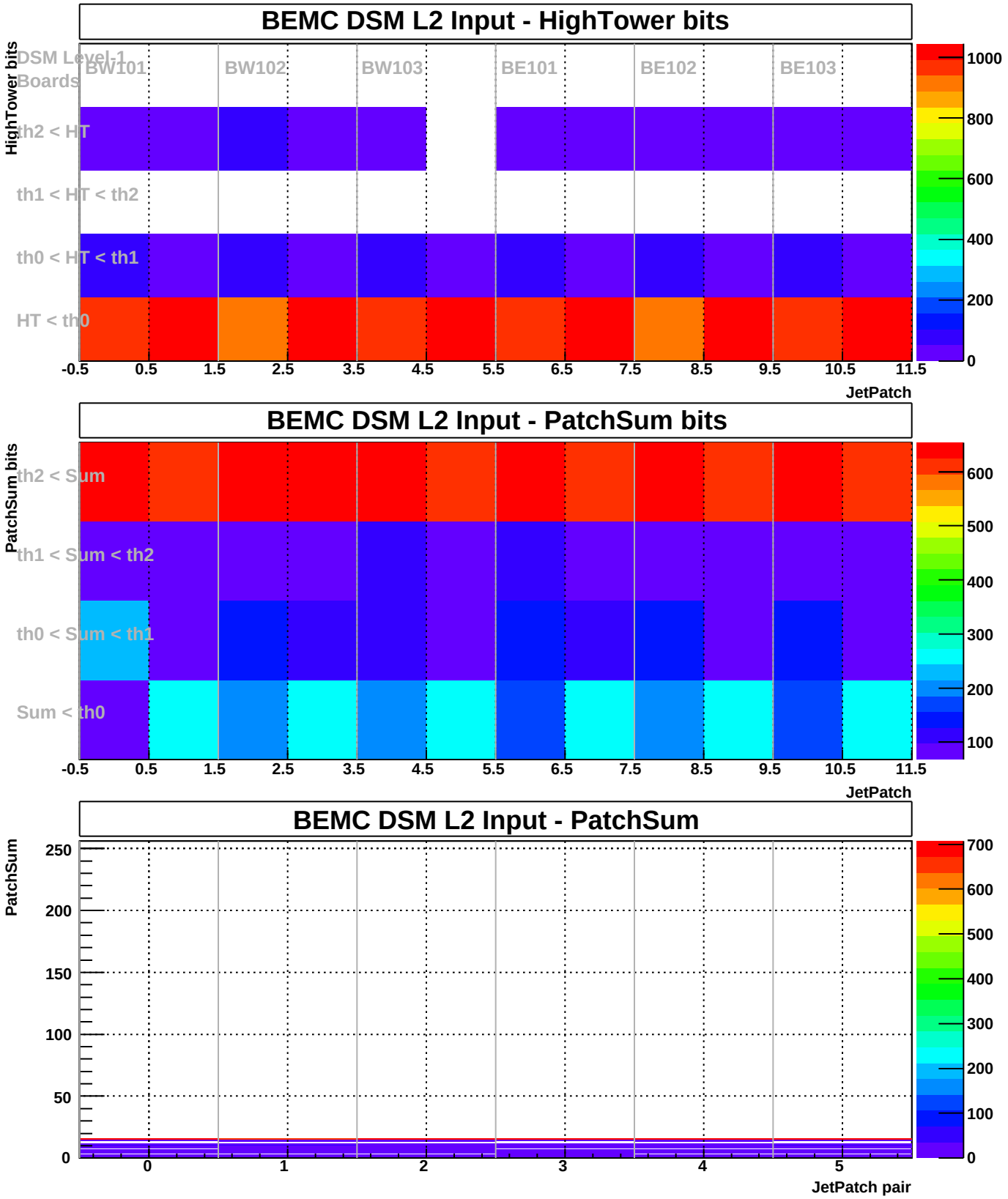



**Tue May 24 07:04:46 2011**

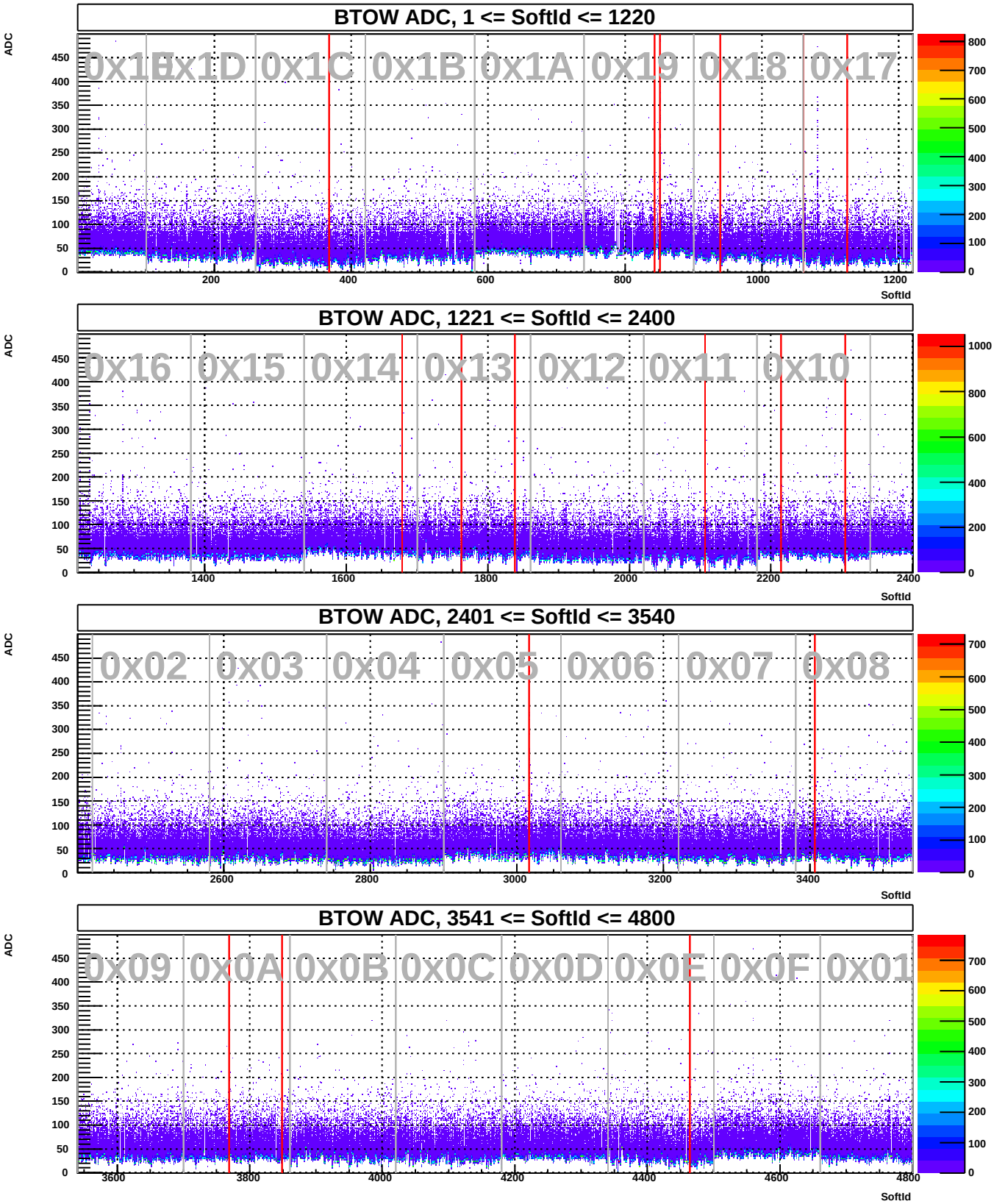


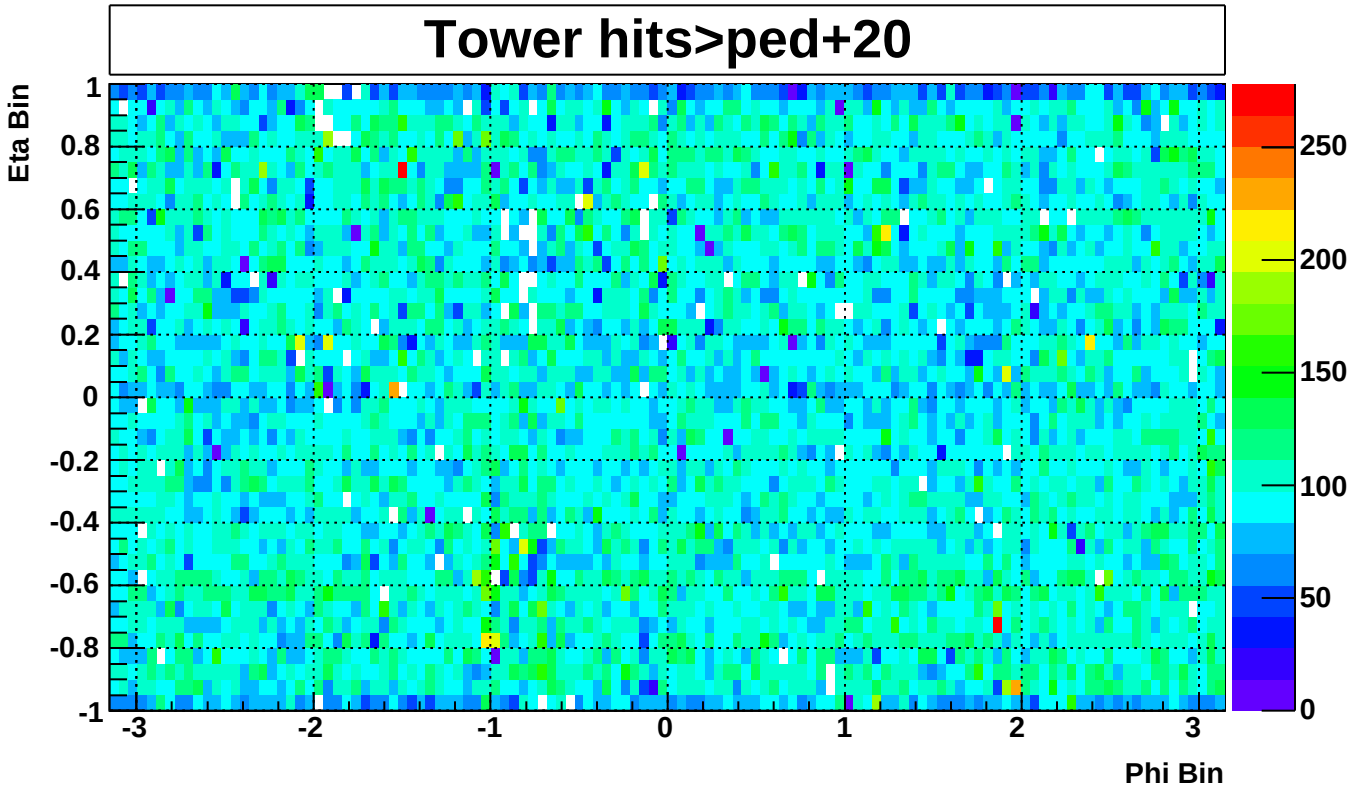

Tue May 24 07:04:47 2011

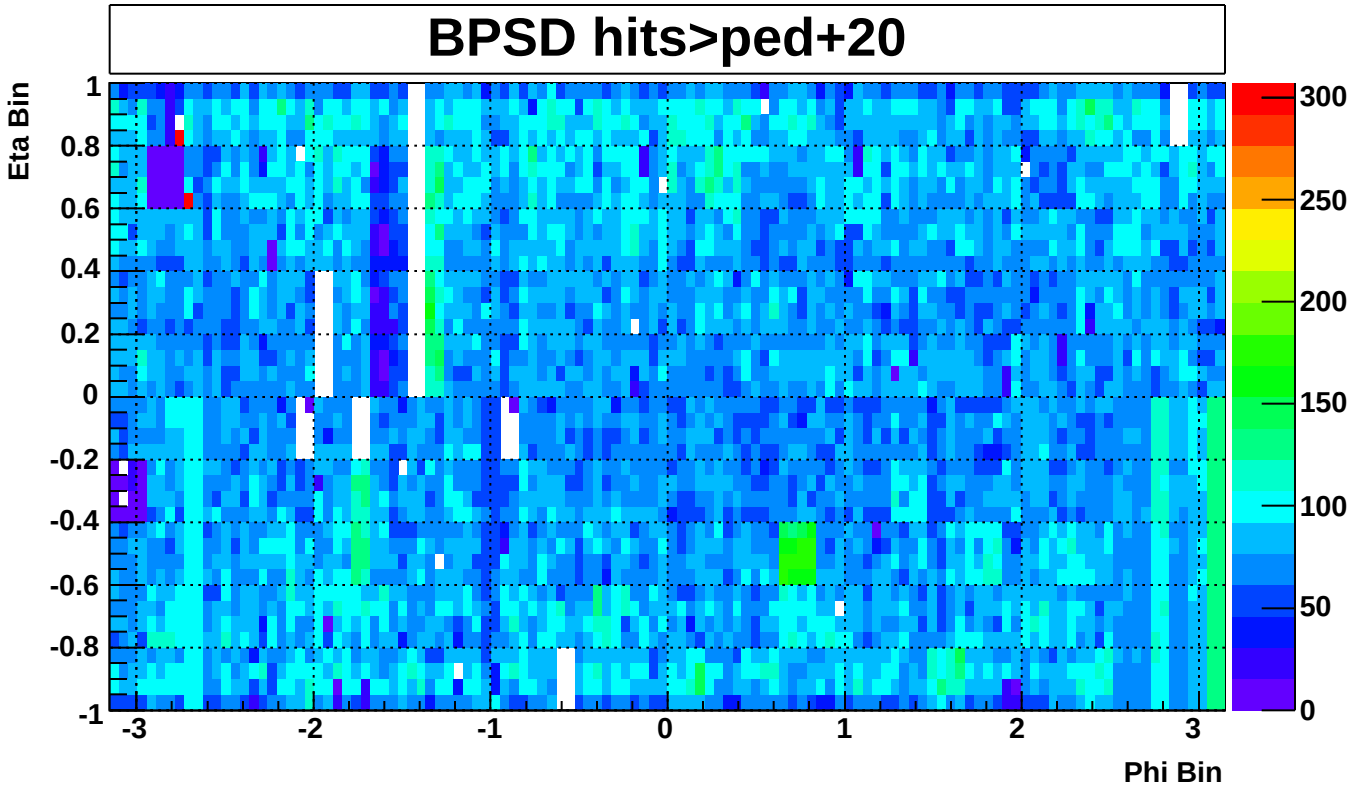



Tue May 24 07:04:47 2011

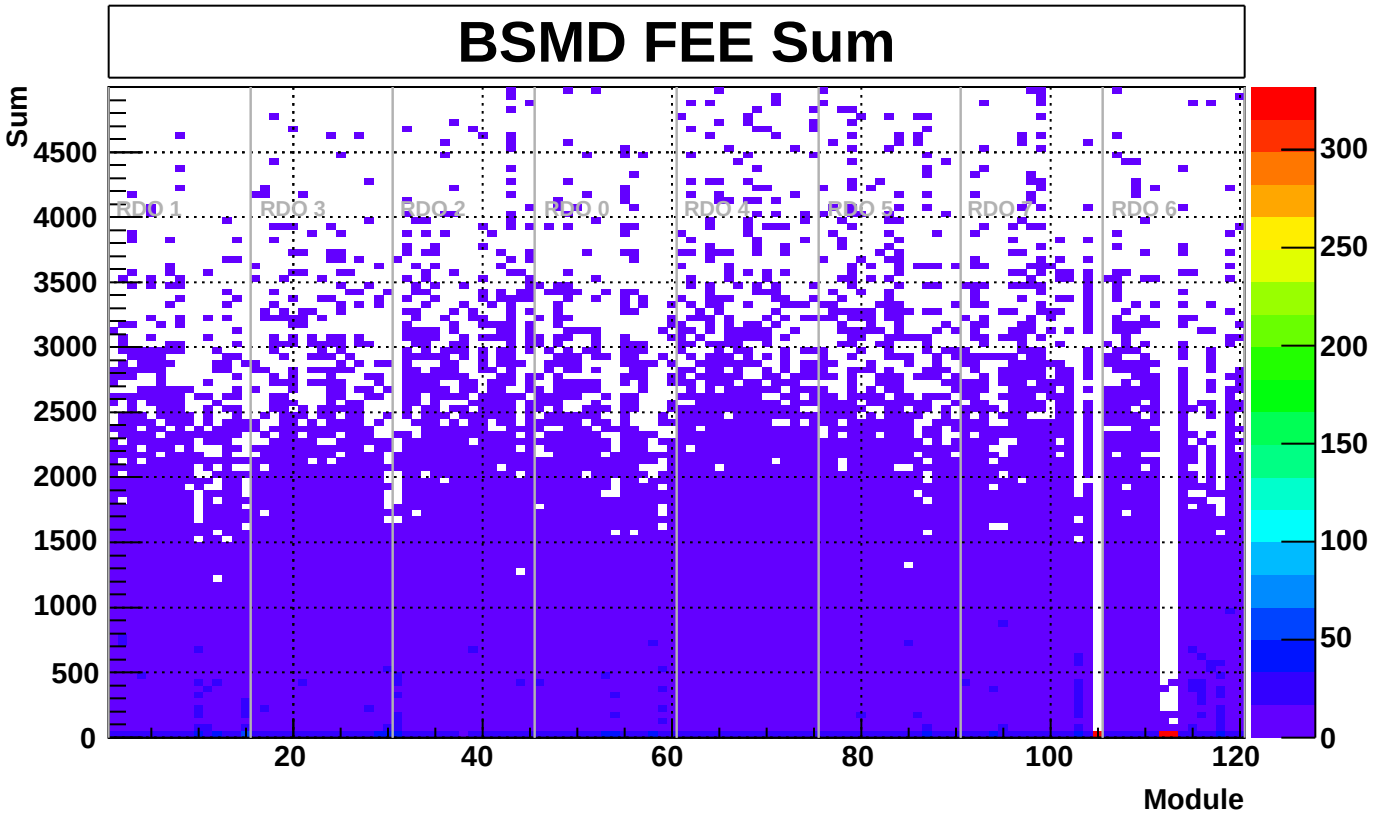


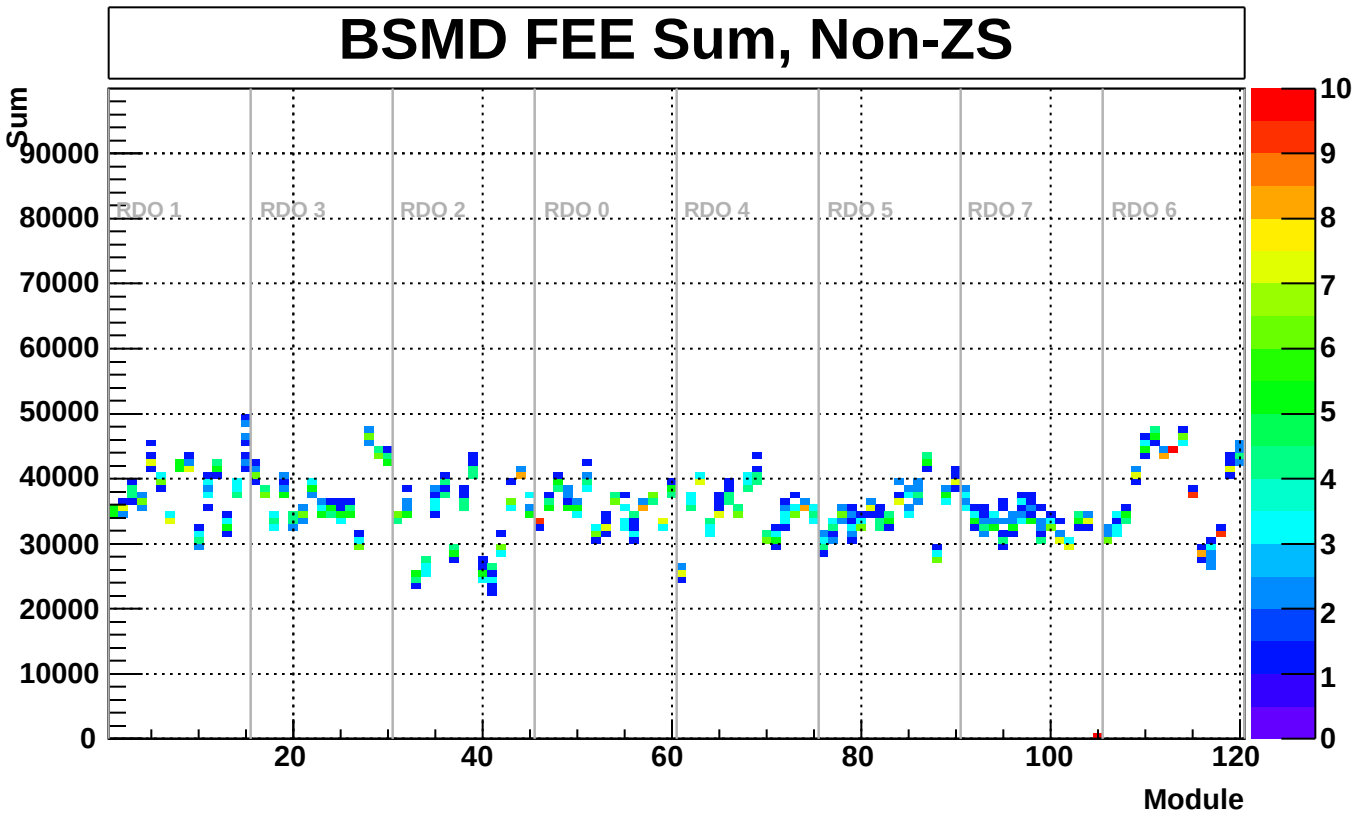

**Tue May 24 07:04:47 2011**



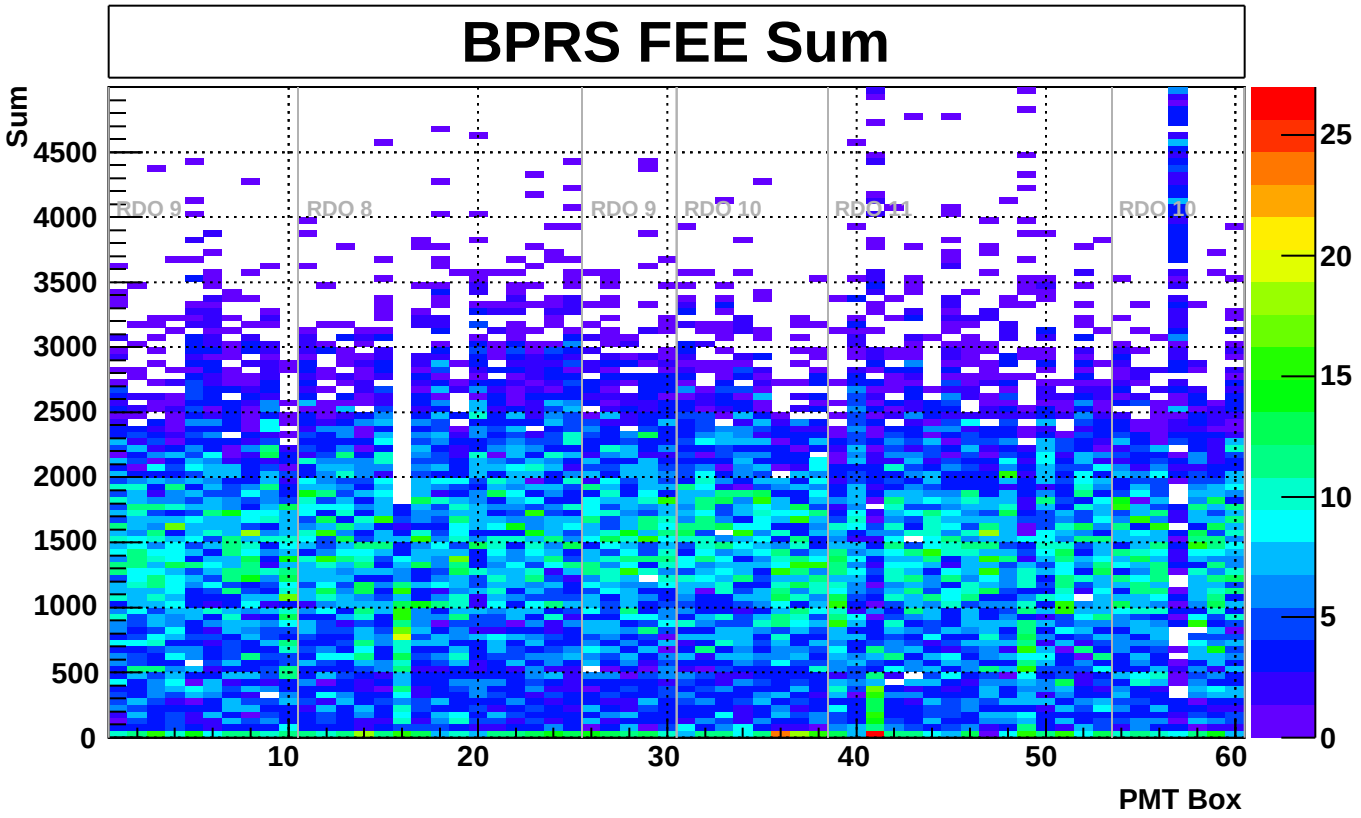



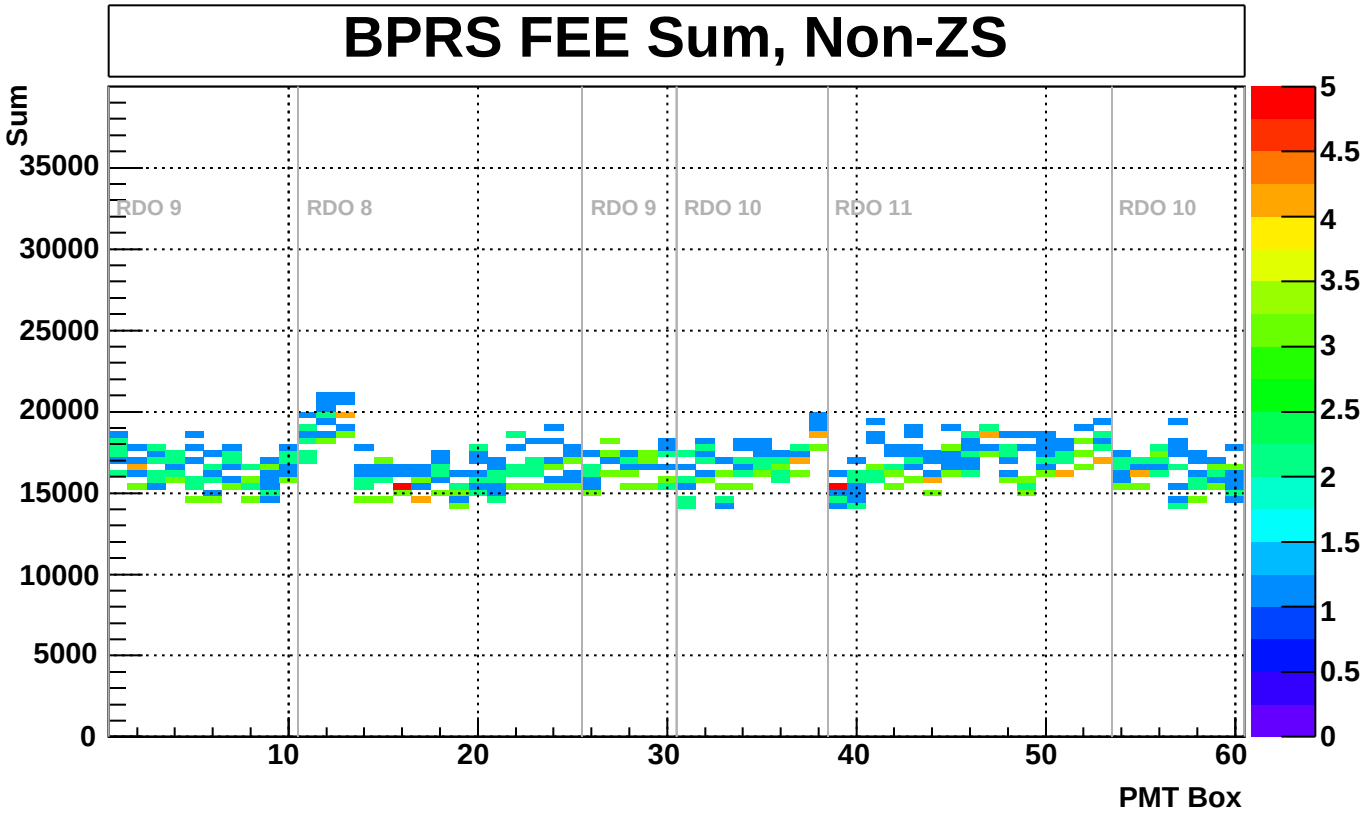

Tue May 24 07:04:48 2011



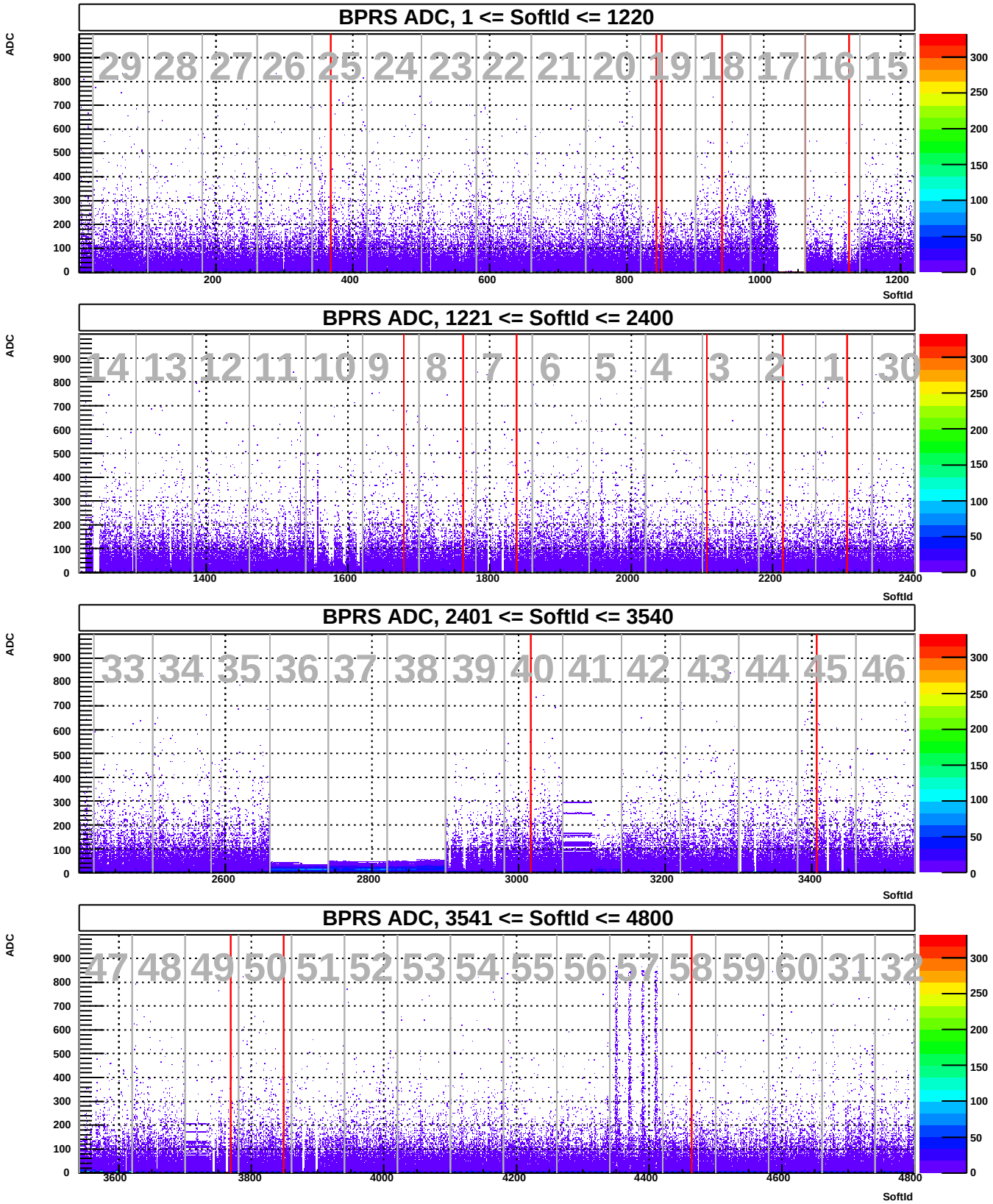




Tue May 24 07:04:51 2011

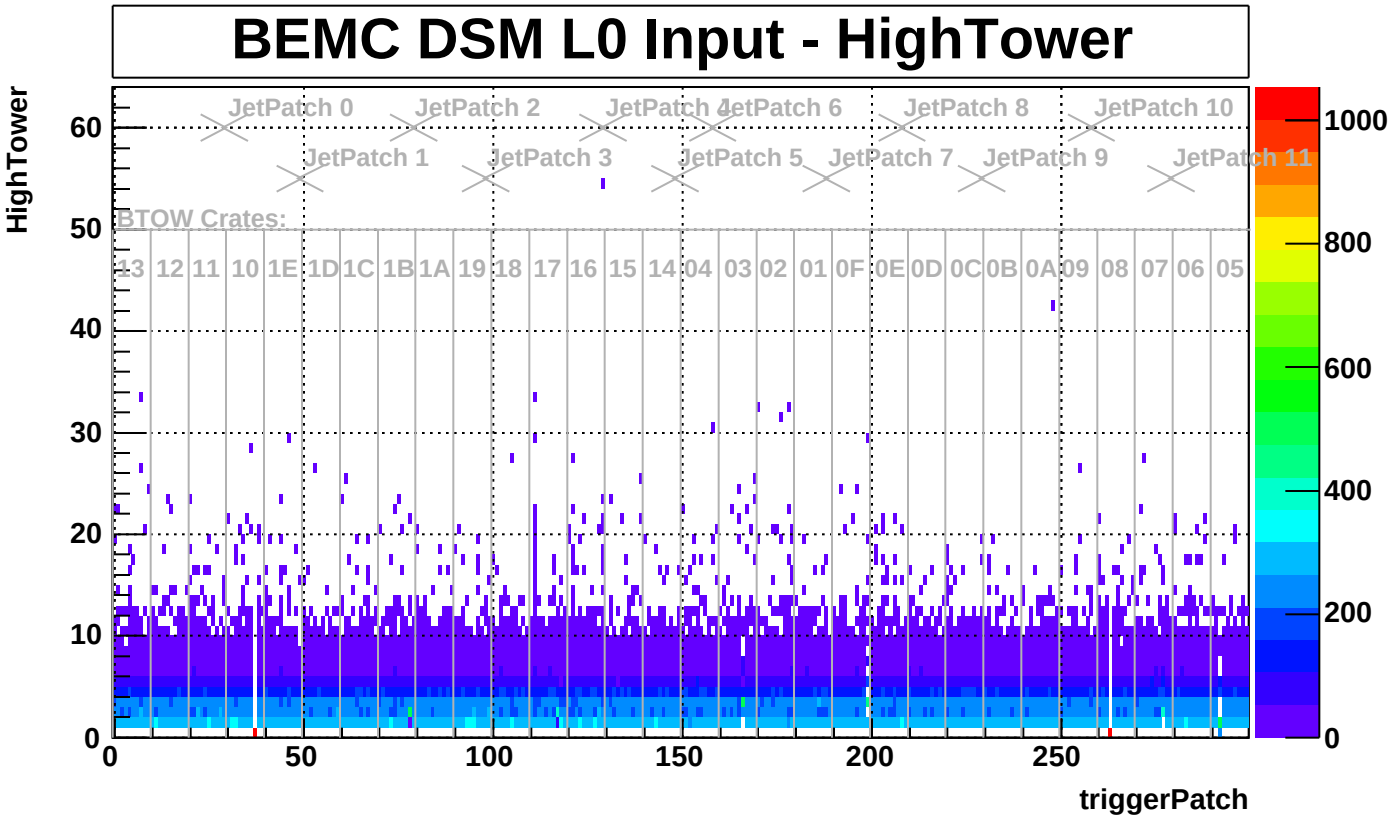


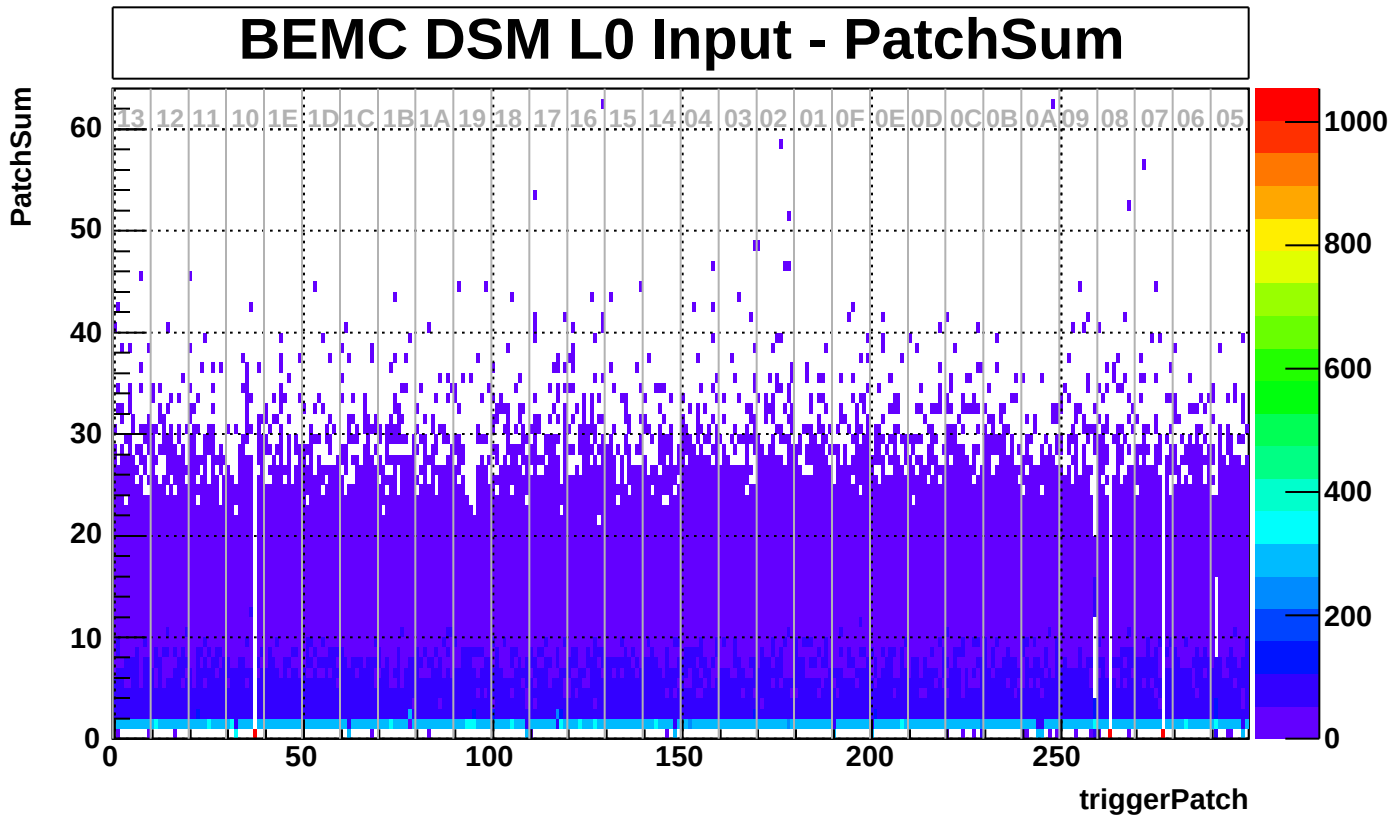




Tue May 24 07:04:51 2011

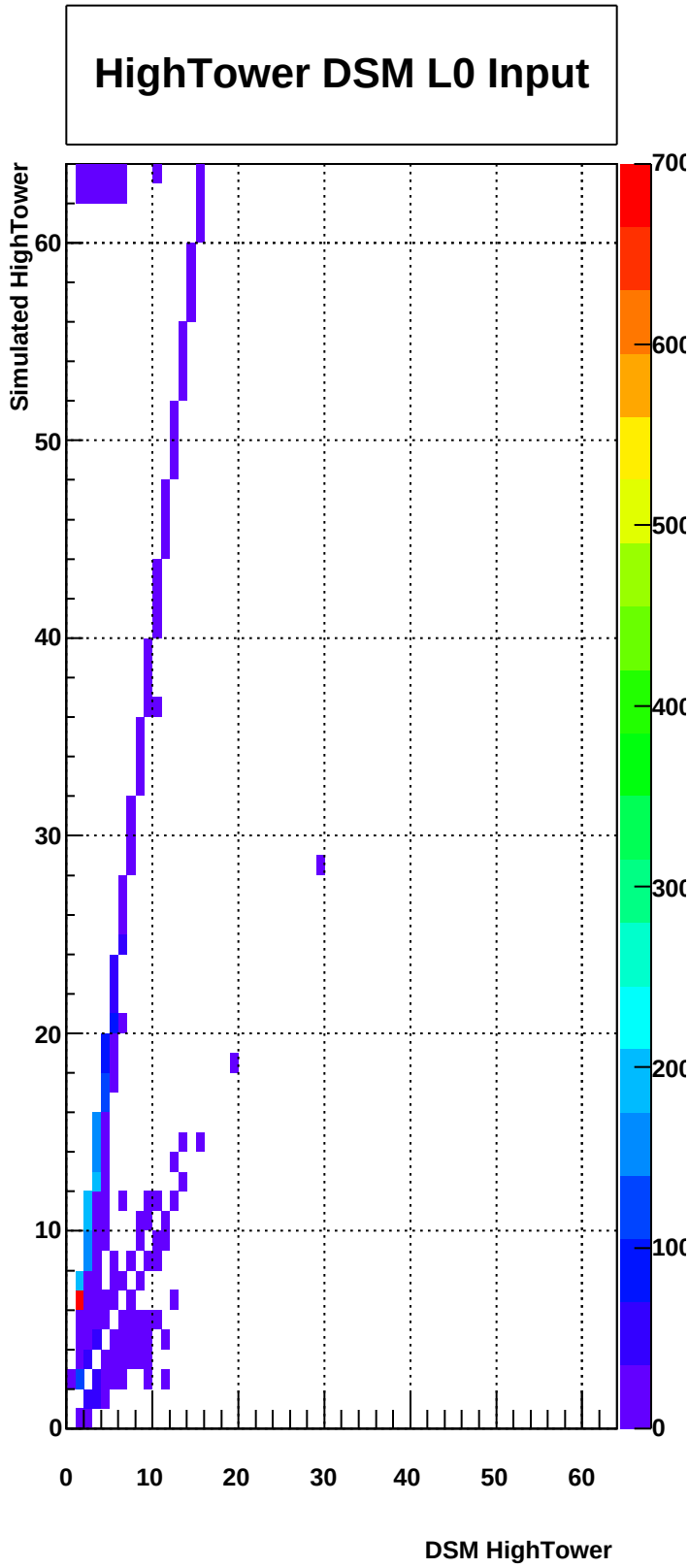


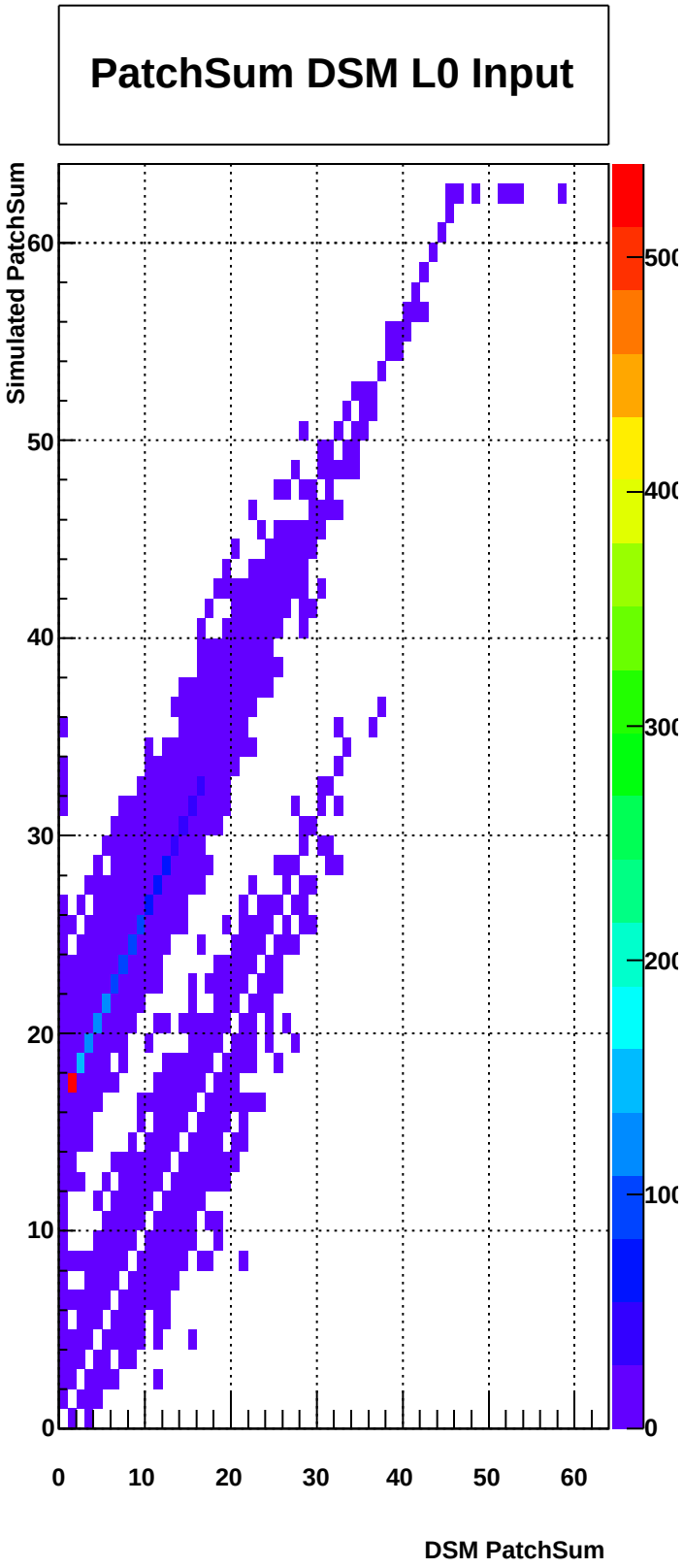

Tue May 24 07:04:52 2011



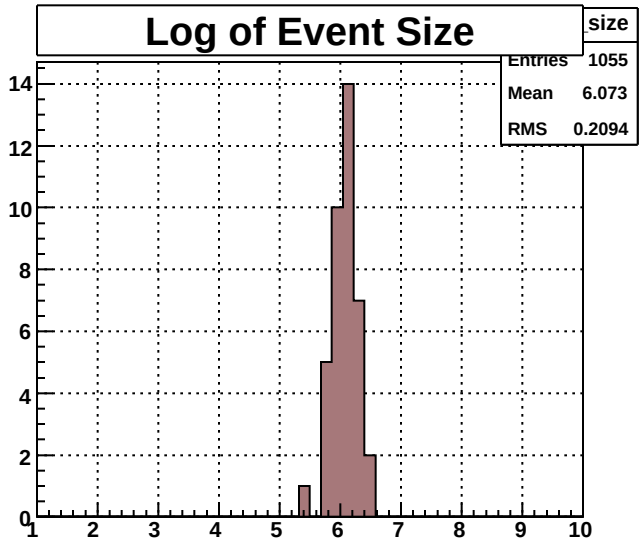



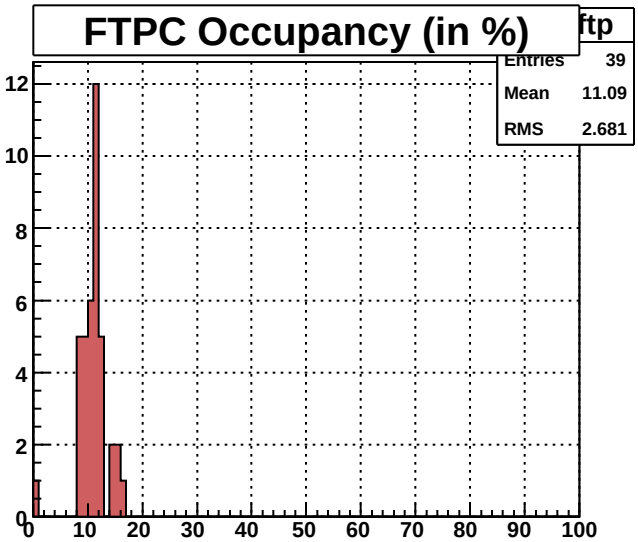

Tue May 24 07:04:53 2011

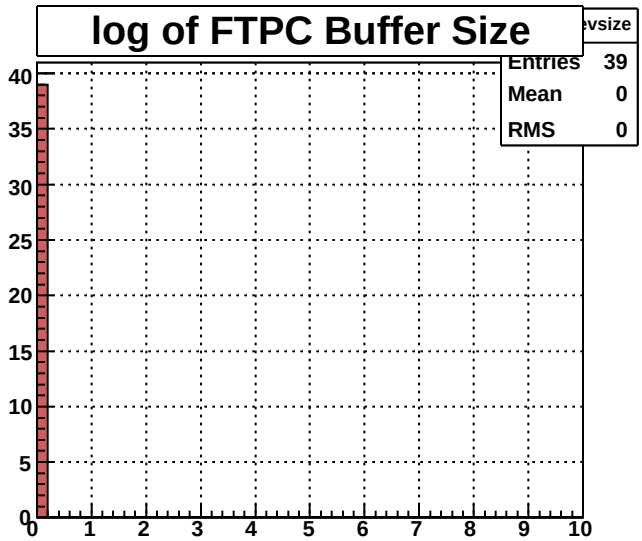


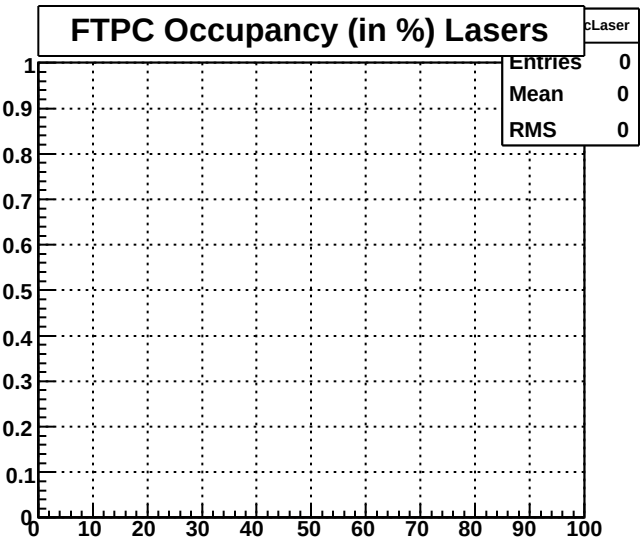



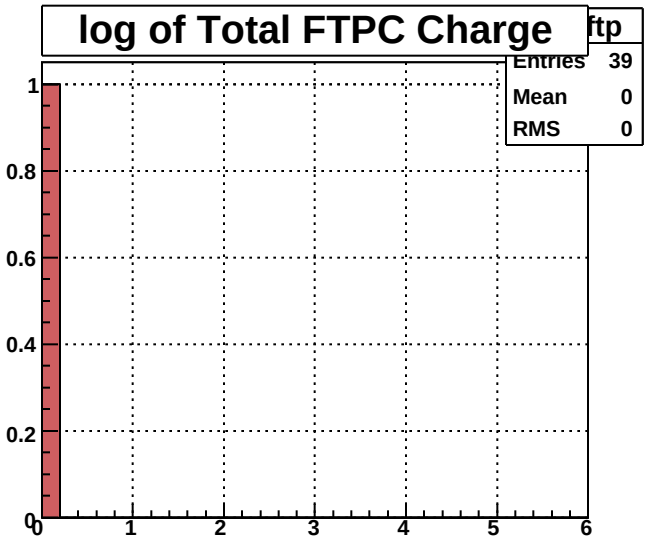

Tue May 24 07:04:53 2011

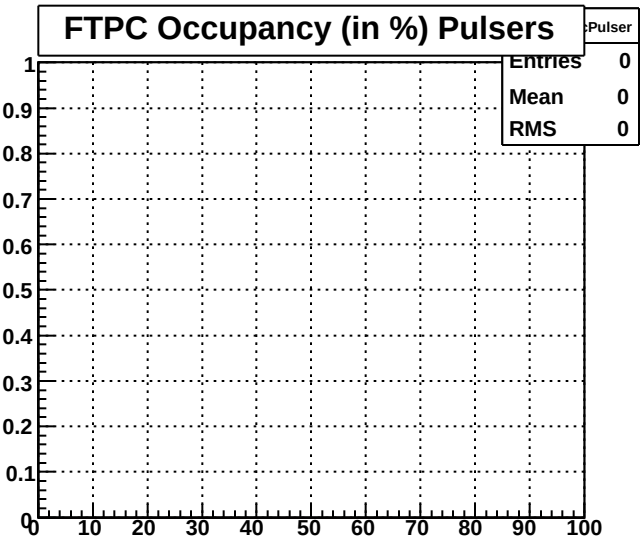

Log of Event Size
size
Entries 1055
Mean 6.073
RMS 0.2094

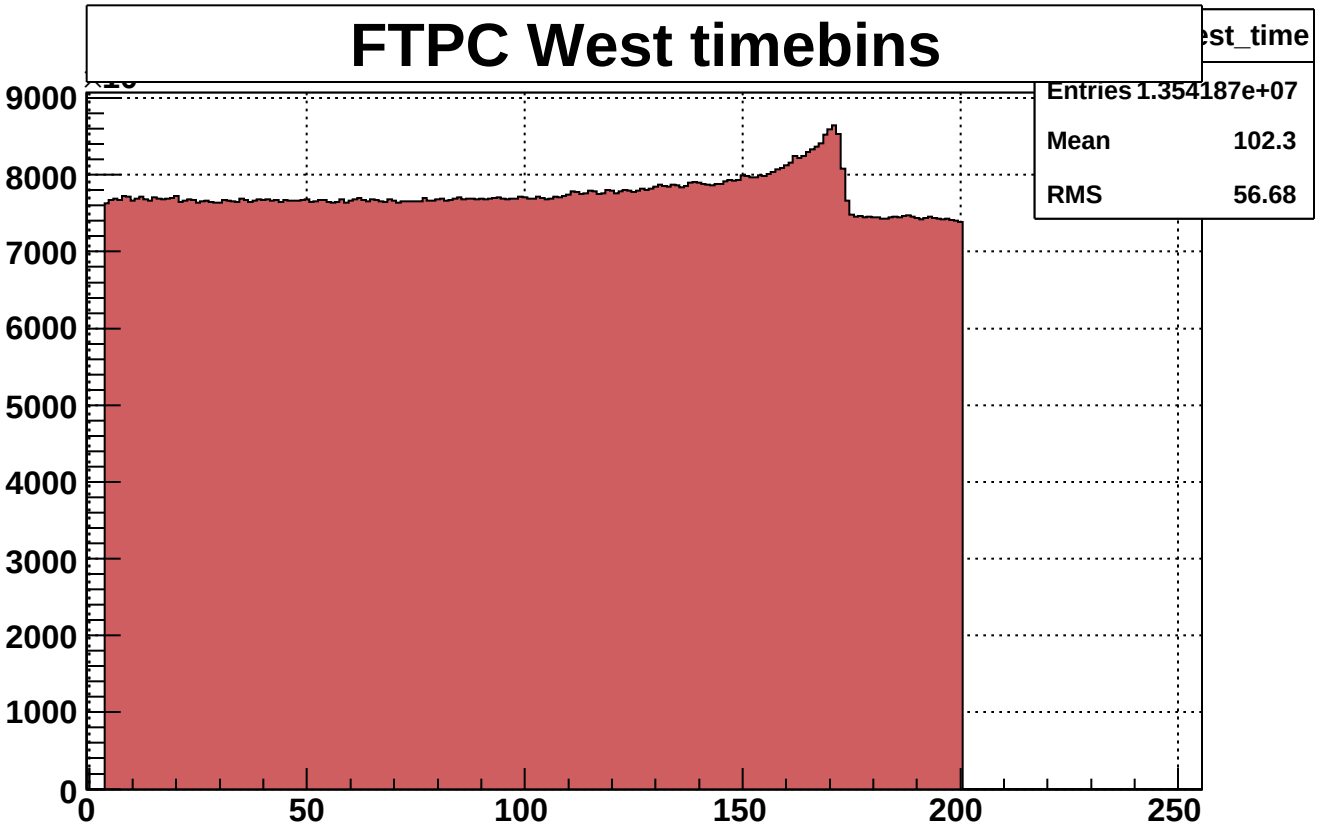

FTPC Occupancy (in %)
ftp
Entries 39
Mean 11.09
RMS 2.681

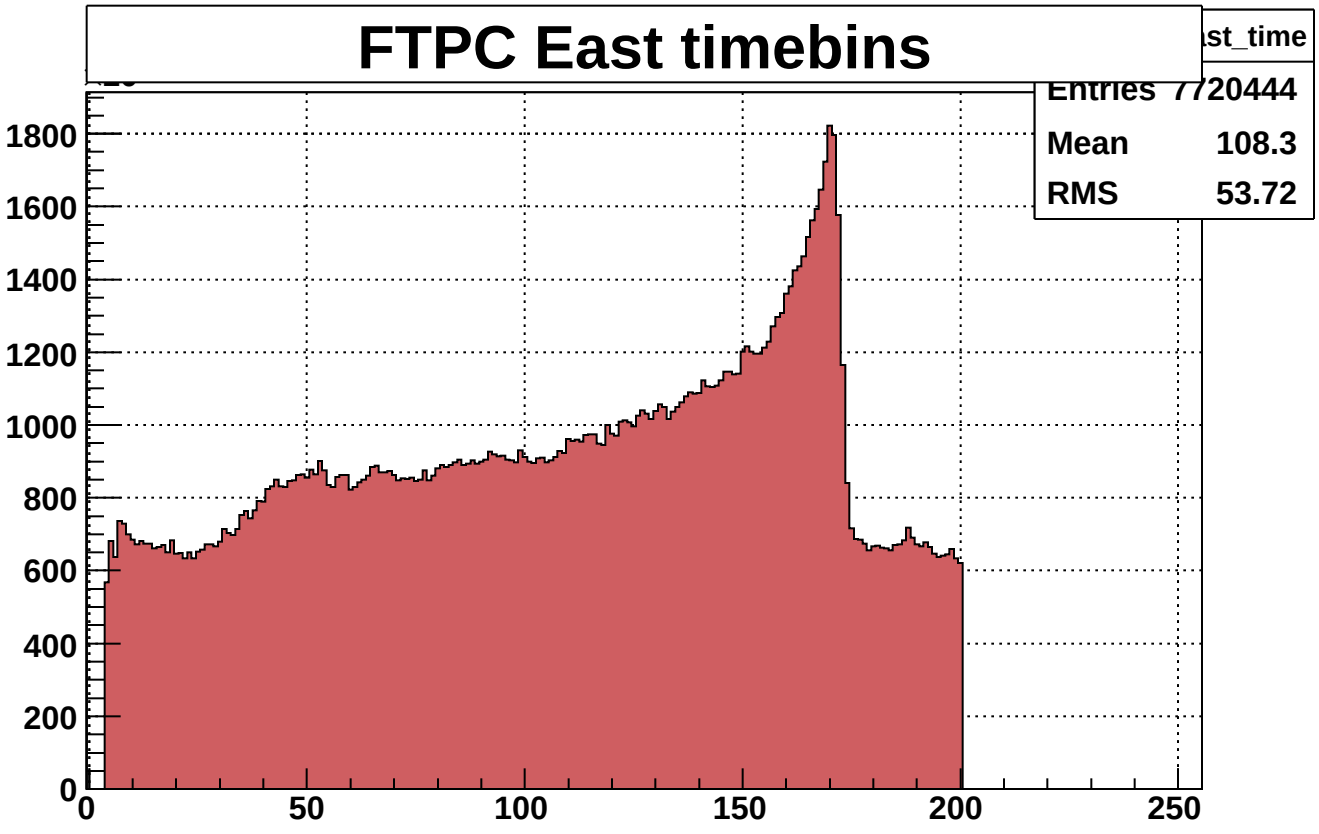

log of FTPC Buffer Size
evsize
Entries 39
Mean 0
RMS 0

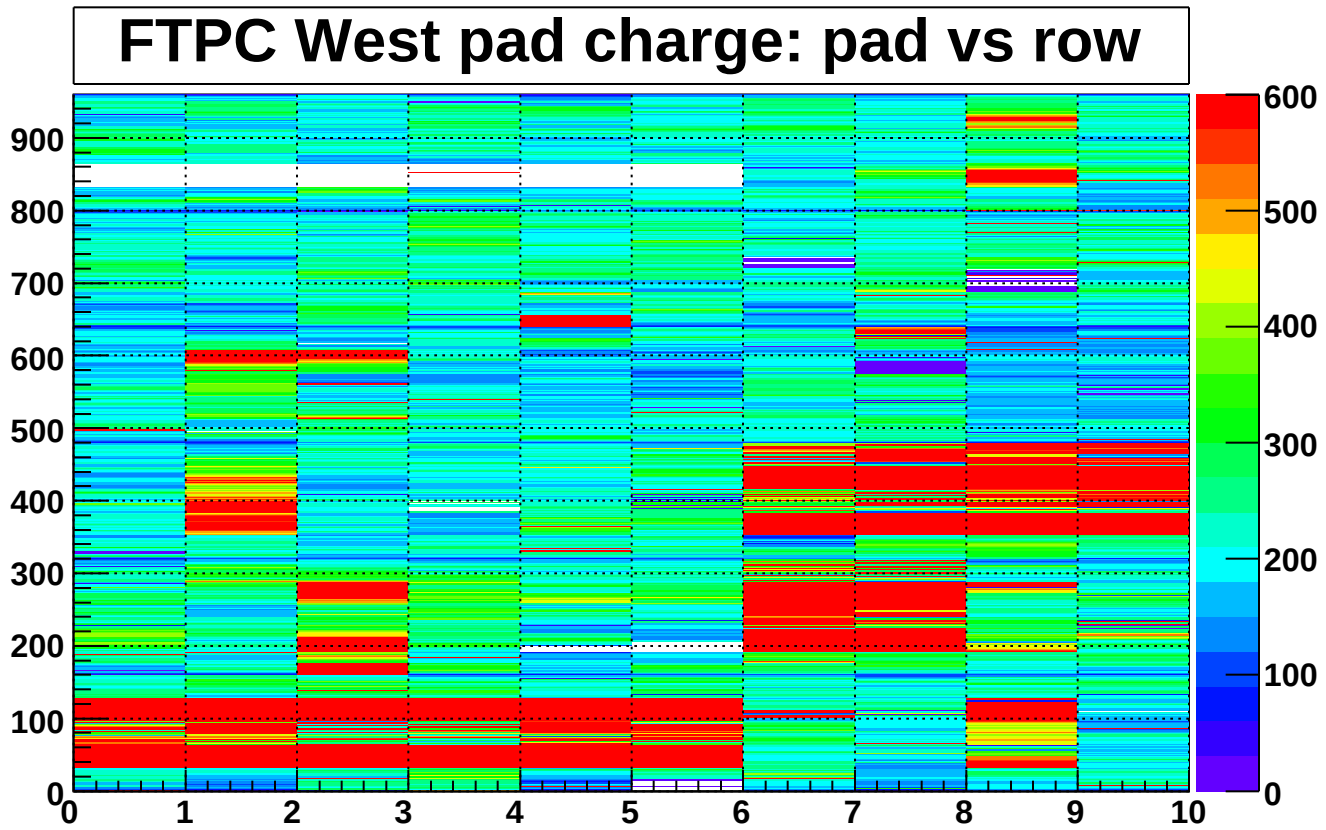

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

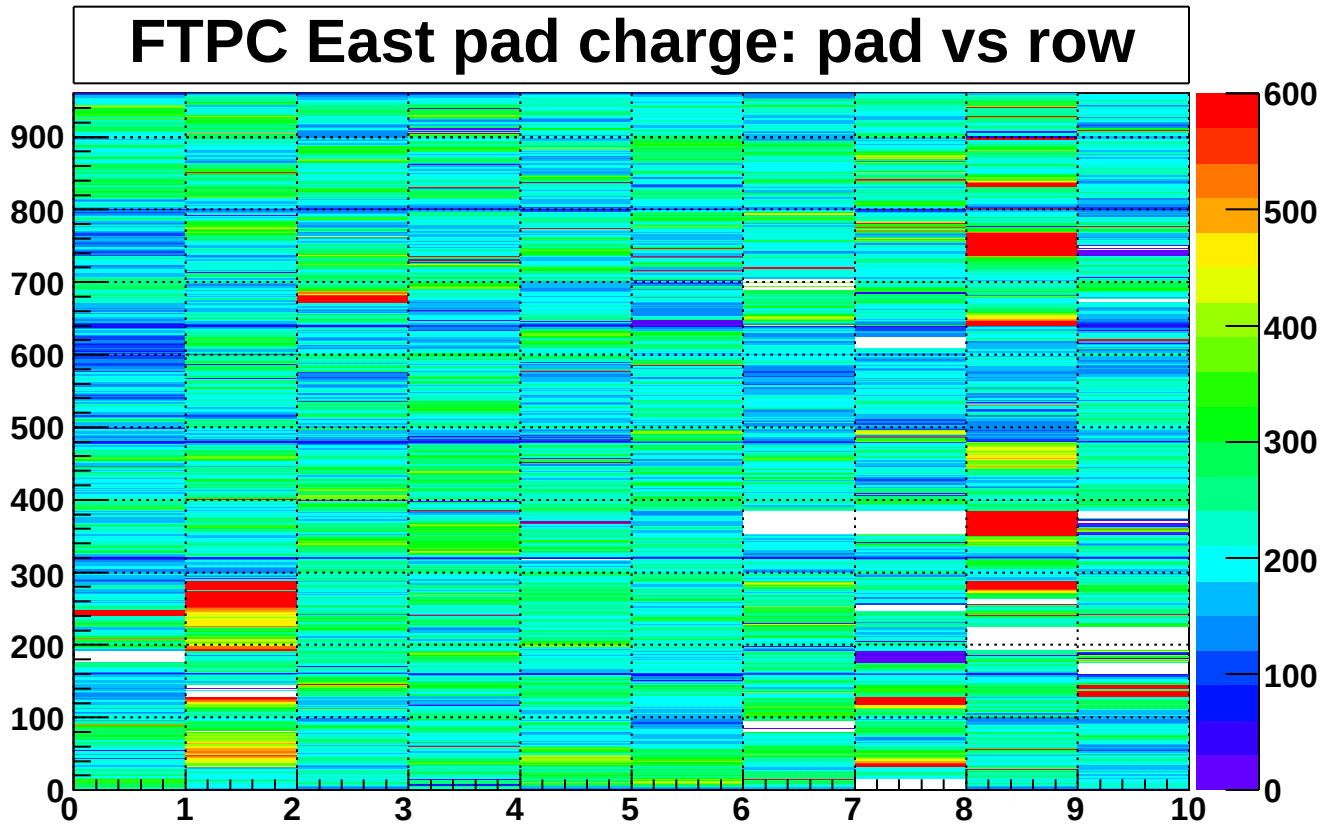

log of Total FTPC Charge
ftp
Entries 39
Mean 0
RMS 0

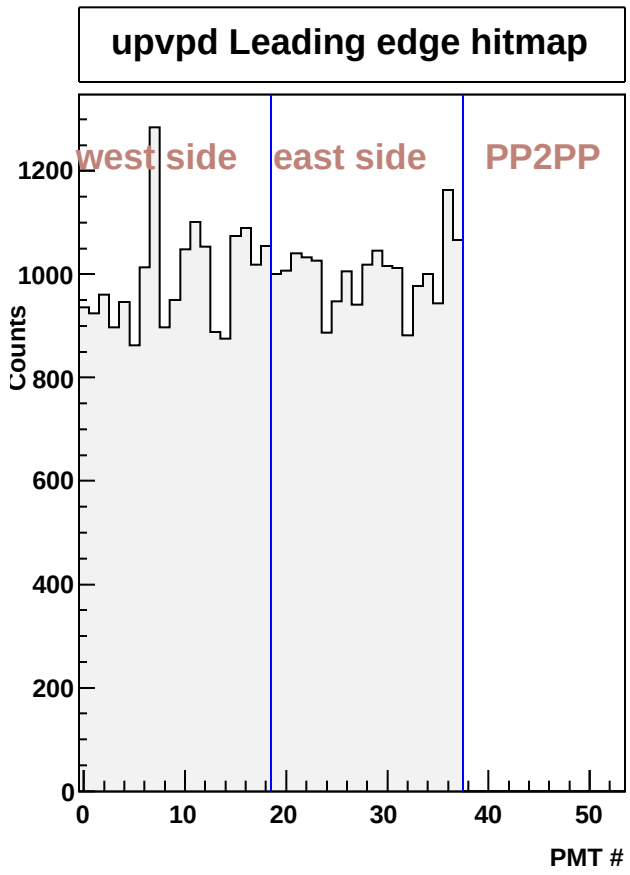

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

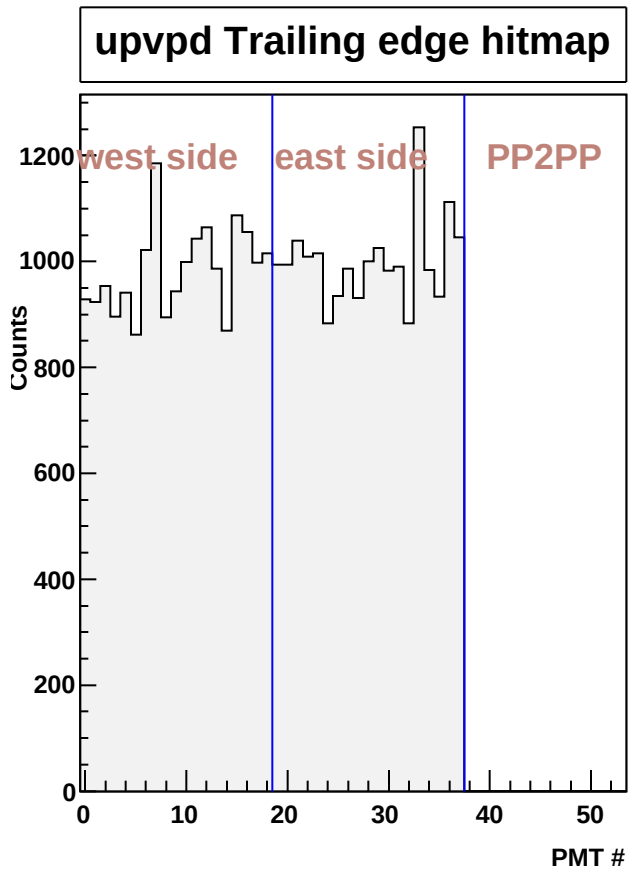

FTPC West timebins
est_time
Entries 1.354187e+07
Mean 102.3
RMS 56.68
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
0
50
100
150
200
250

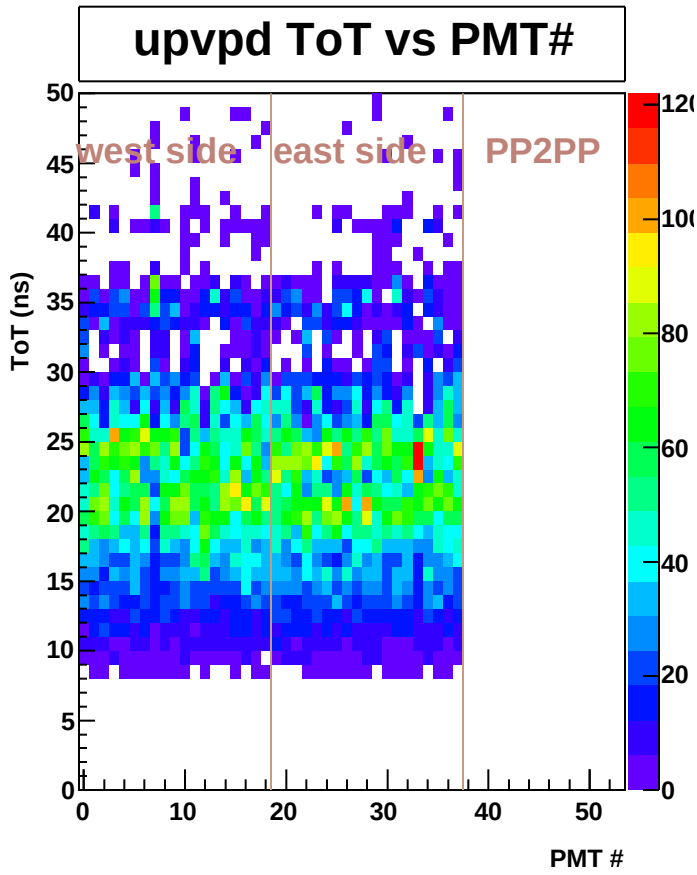

FTPC East timebins
st_time
Entries 7720444
Mean 108.3
RMS 53.72
1800
1600
1400
1200
1000
800
600
400
200
0
0
50
100
150
200
250

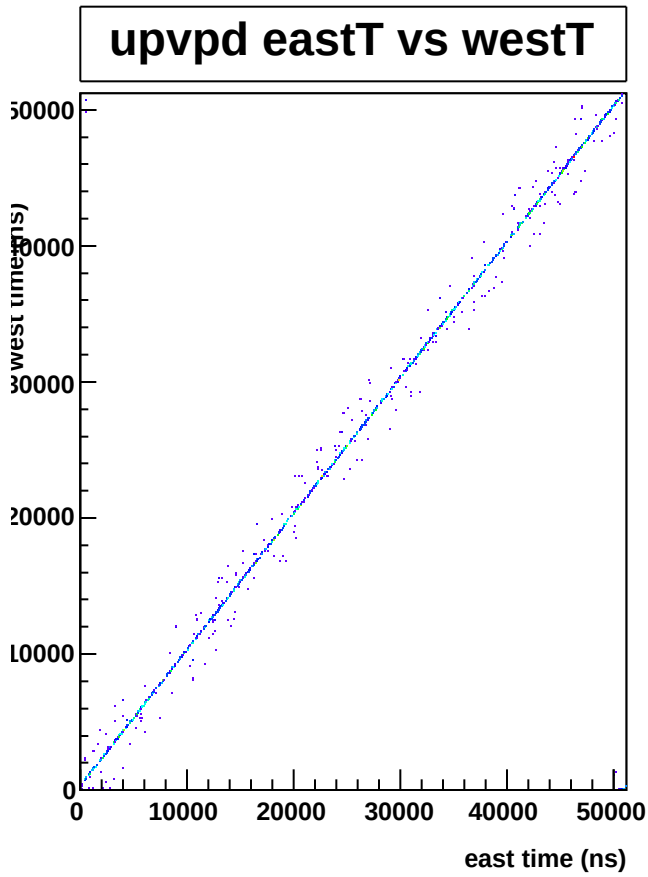

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10
600
500
400
300
200
100
0

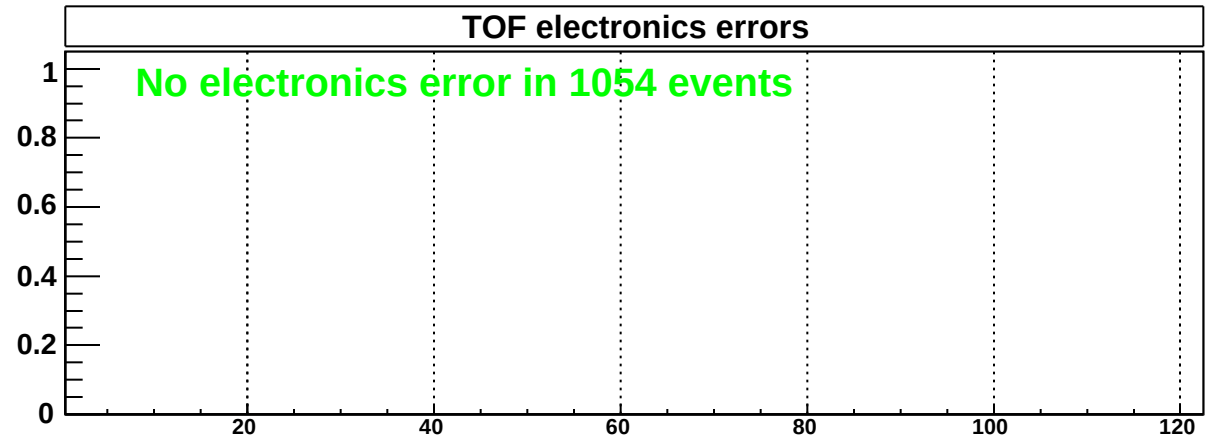

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10
600
500
400
300
200
100
0

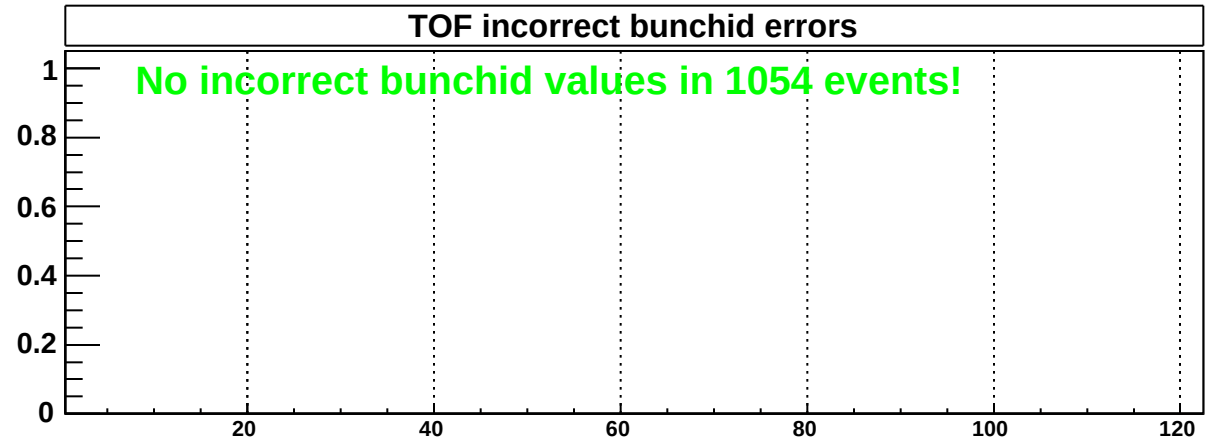

upvpd Leading edge hitmap
west side
east side
PP2PP
Counts
PMT #

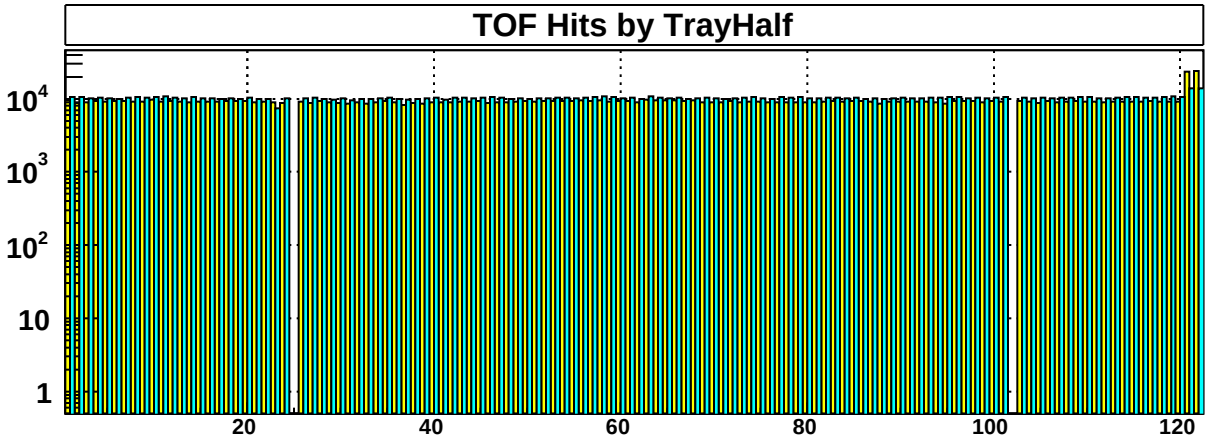

upvpd Trailing edge hitmap
west side
east side
PP2PP
Counts
PMT #

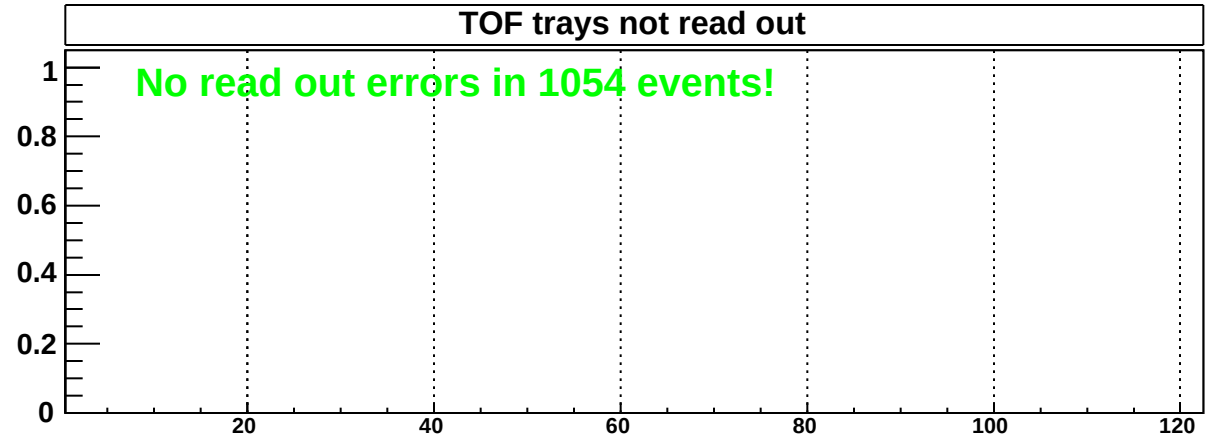

upvpd ToT vs PMT#
west side
east side
PP2PP
ToT (ns)
PMT #

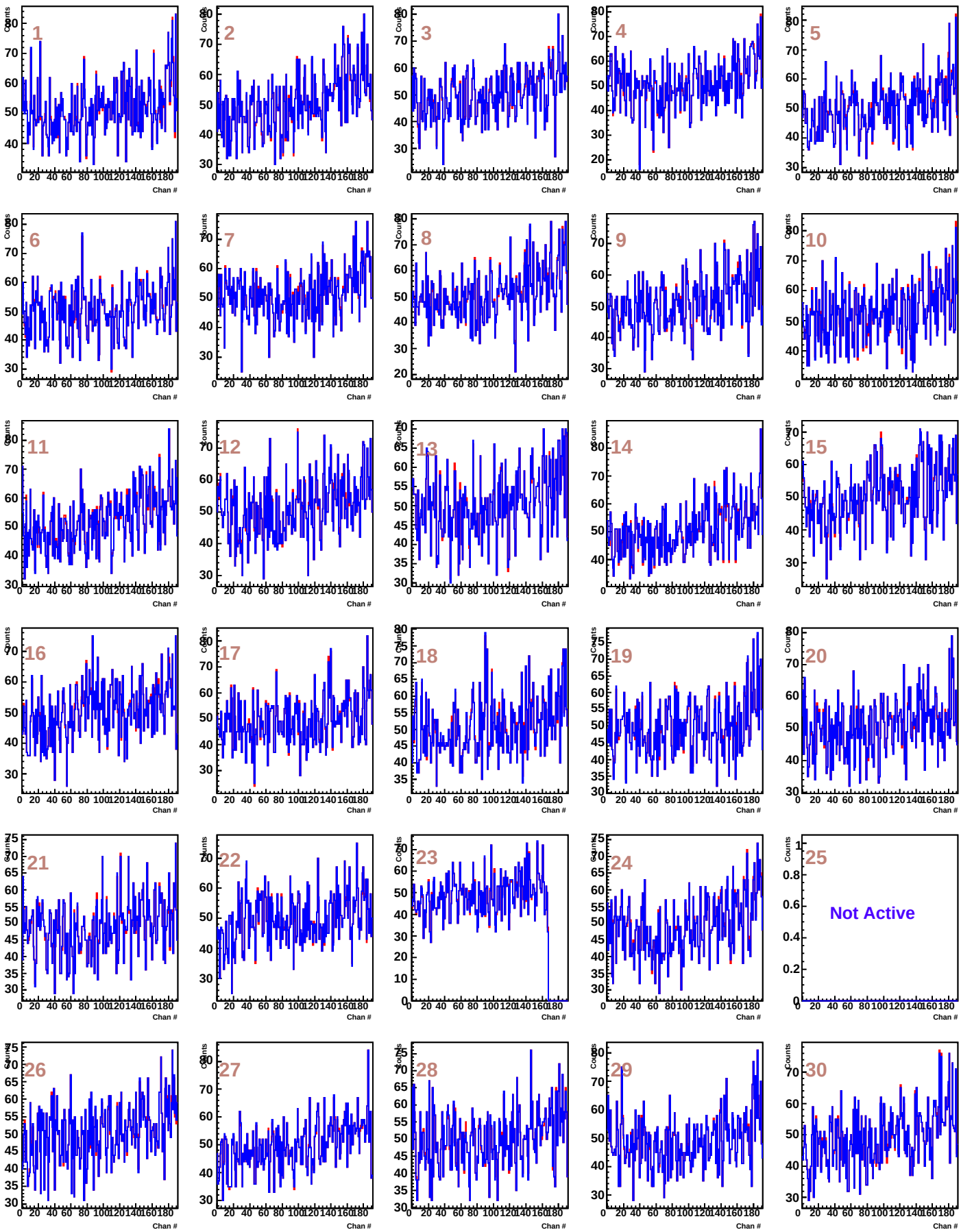

upvpd eastT vs westT
east time (ns)


TOF electronics errors
No electronics error in 1054 events
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


TOF incorrect bunchid errors
No incorrect bunchid values in 1054 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


TOF Hits by TrayHalf
$10^4$
$10^3$
$10^2$
10
1
20
40
60
80
100
120


TOF trays not read out
No read out errors in 1054 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


1
2
3
4
5
6
7
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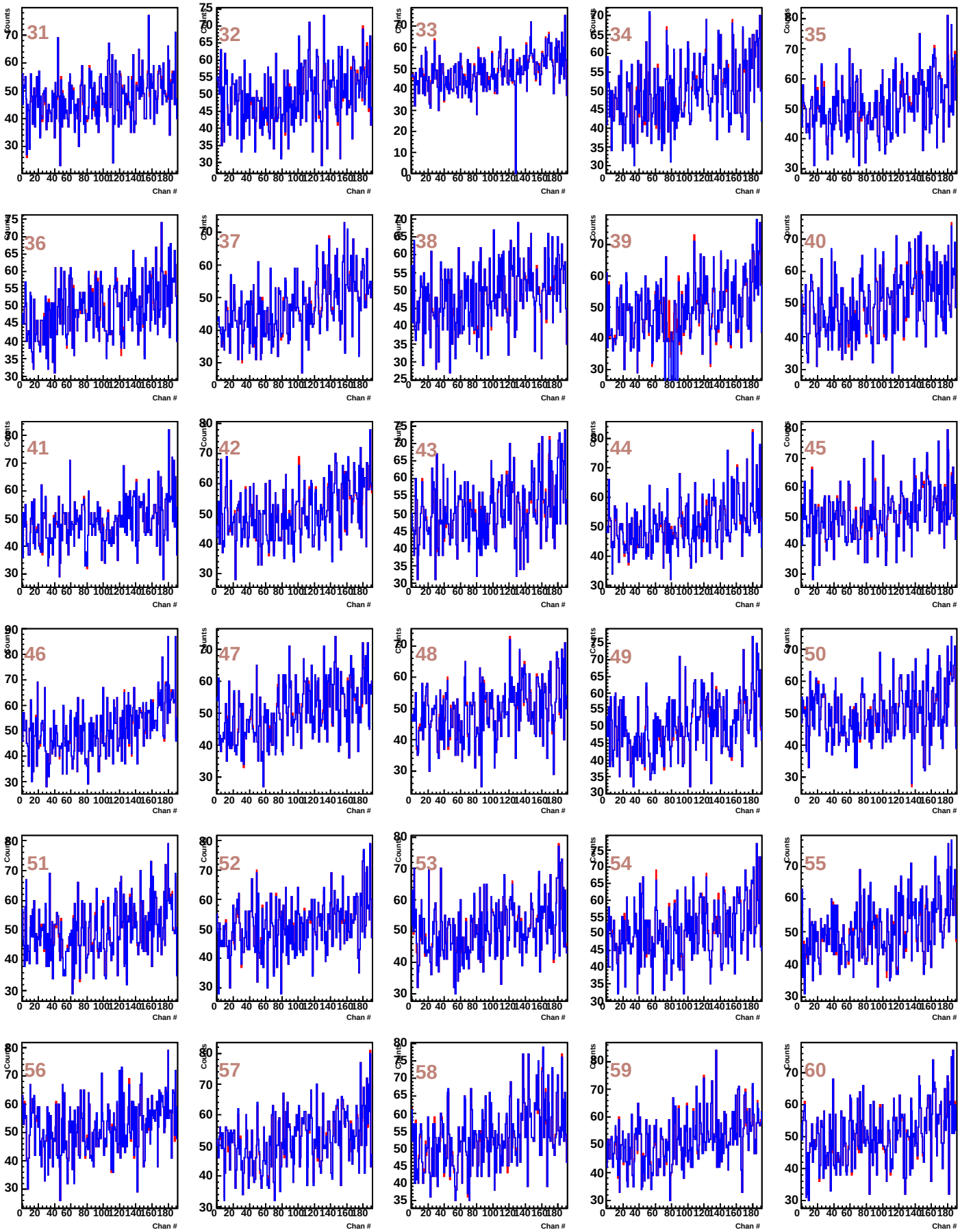
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #


31
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42
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45
46
47
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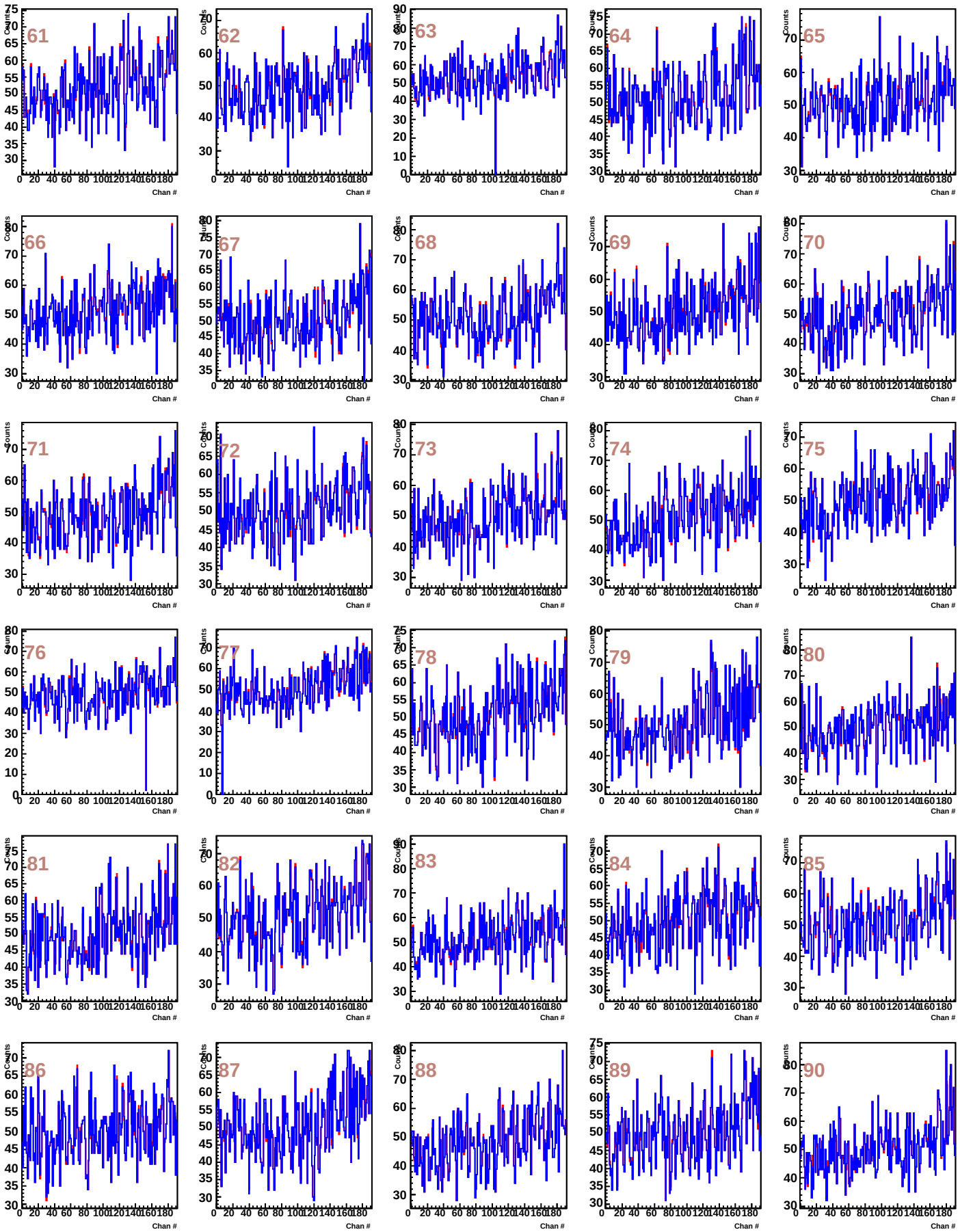
51
52
53
54
55
56
57
58
59
60
Counts
Chan #


61
62
63
64
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67
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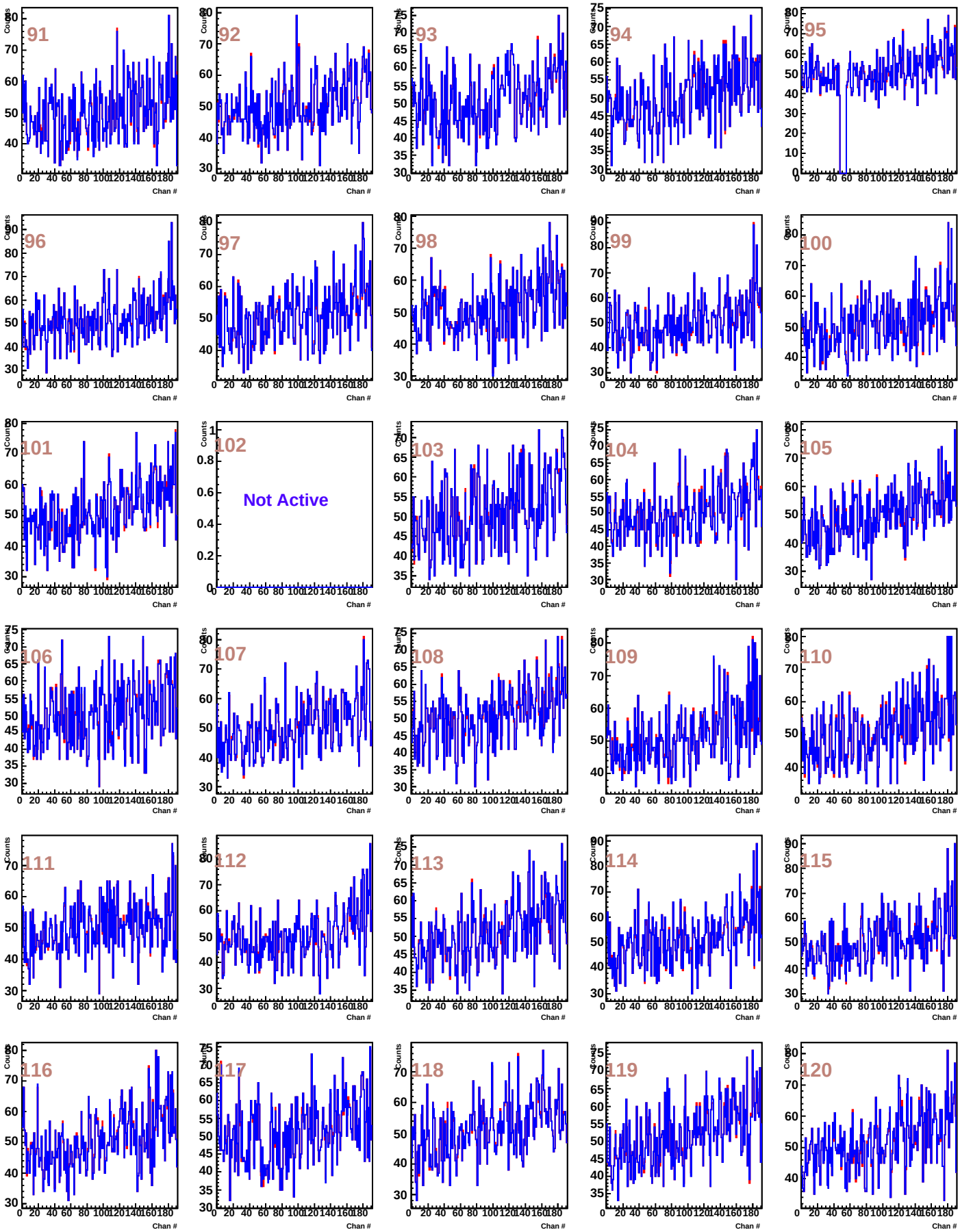
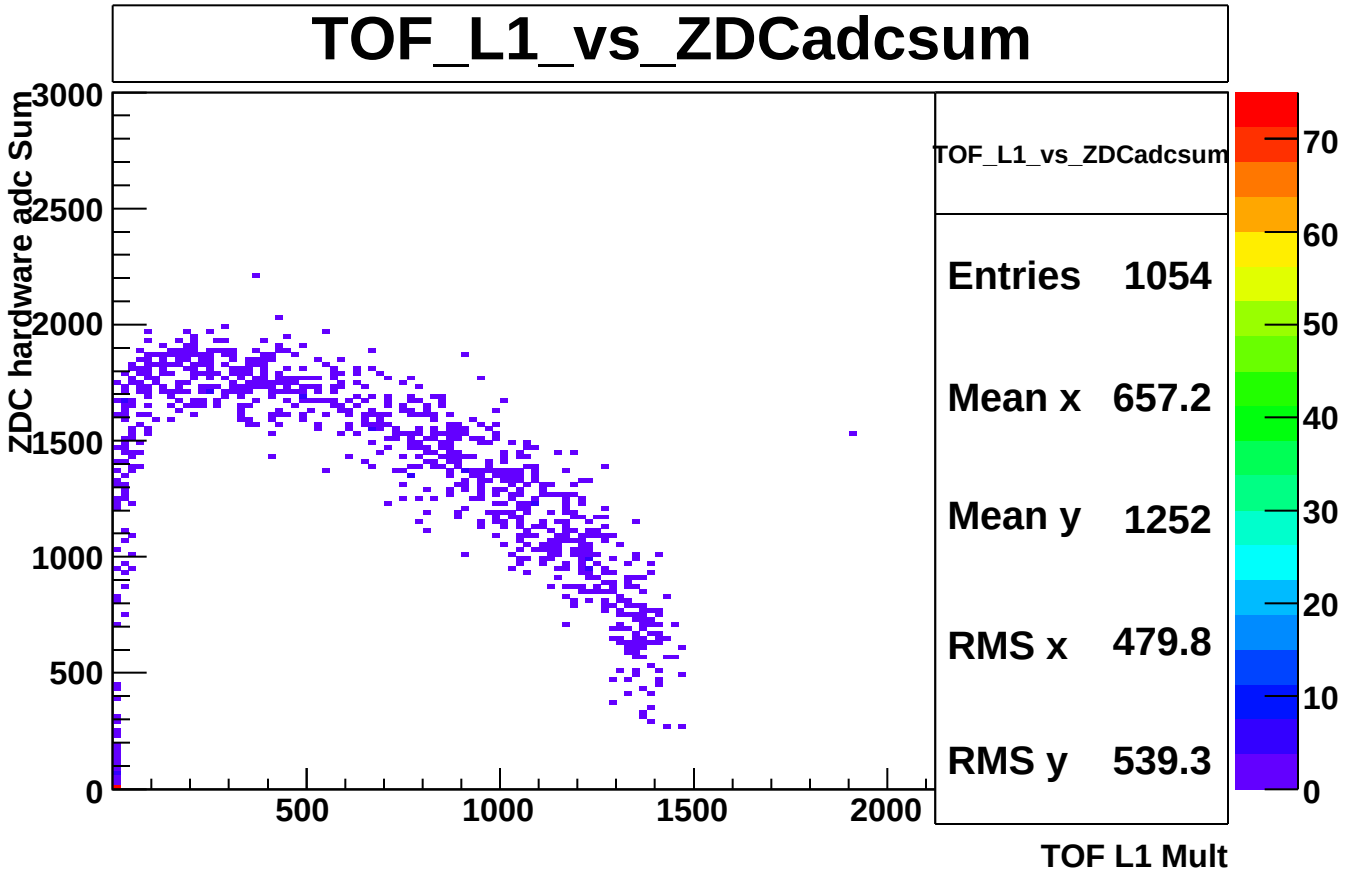
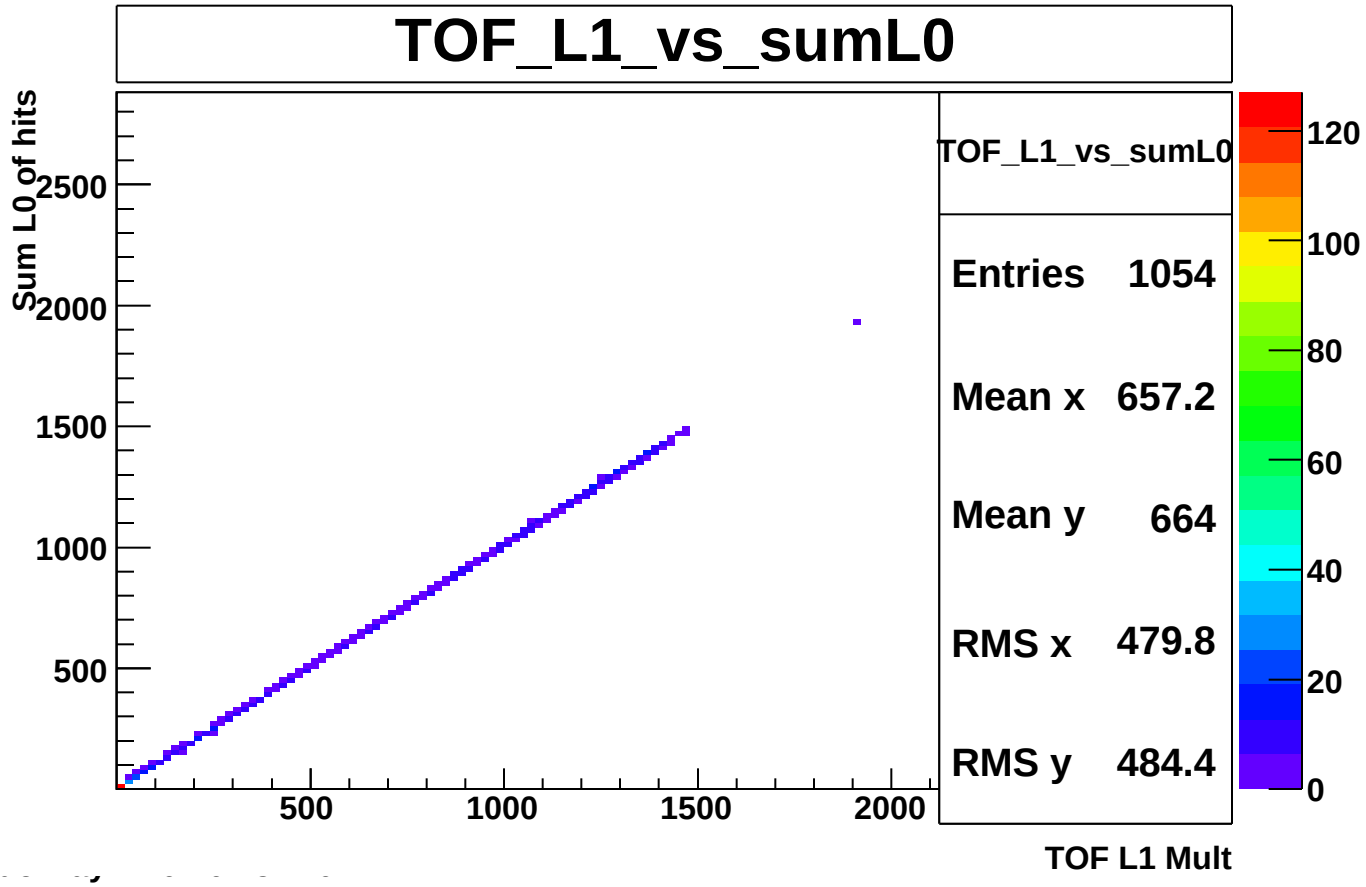
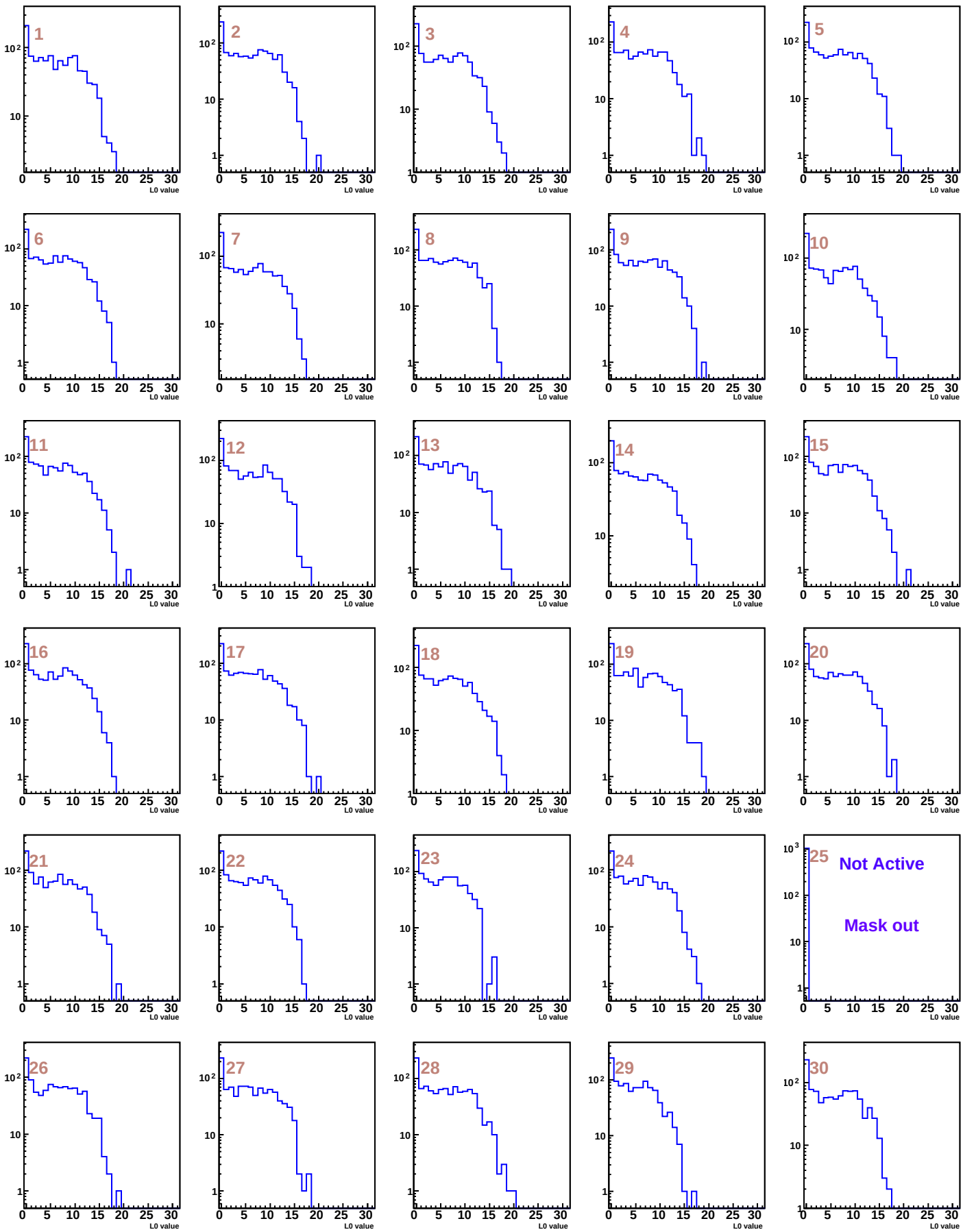
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
Counts
Chan #


91
92
93
94
95
96
97
98
99
100
101
102
Not Active
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
Counts
Chan #


TOF_L1_vs_ZDCadcsum
ZDC hardware adc Sum
TOF L1 Mult
TOF_L1_vs_ZDCadcsum
Entries 1054
Mean x 657.2
Mean y 1252
RMS x 479.8
RMS y 539.3


TOF_L1_vs_sumL0
Sum L0 of hits
TOF L1 Mult
TOF_L1_vs_sumL0
Entries 1054
Mean x 657.2
Mean y 664
RMS x 479.8
RMS y 484.4


1
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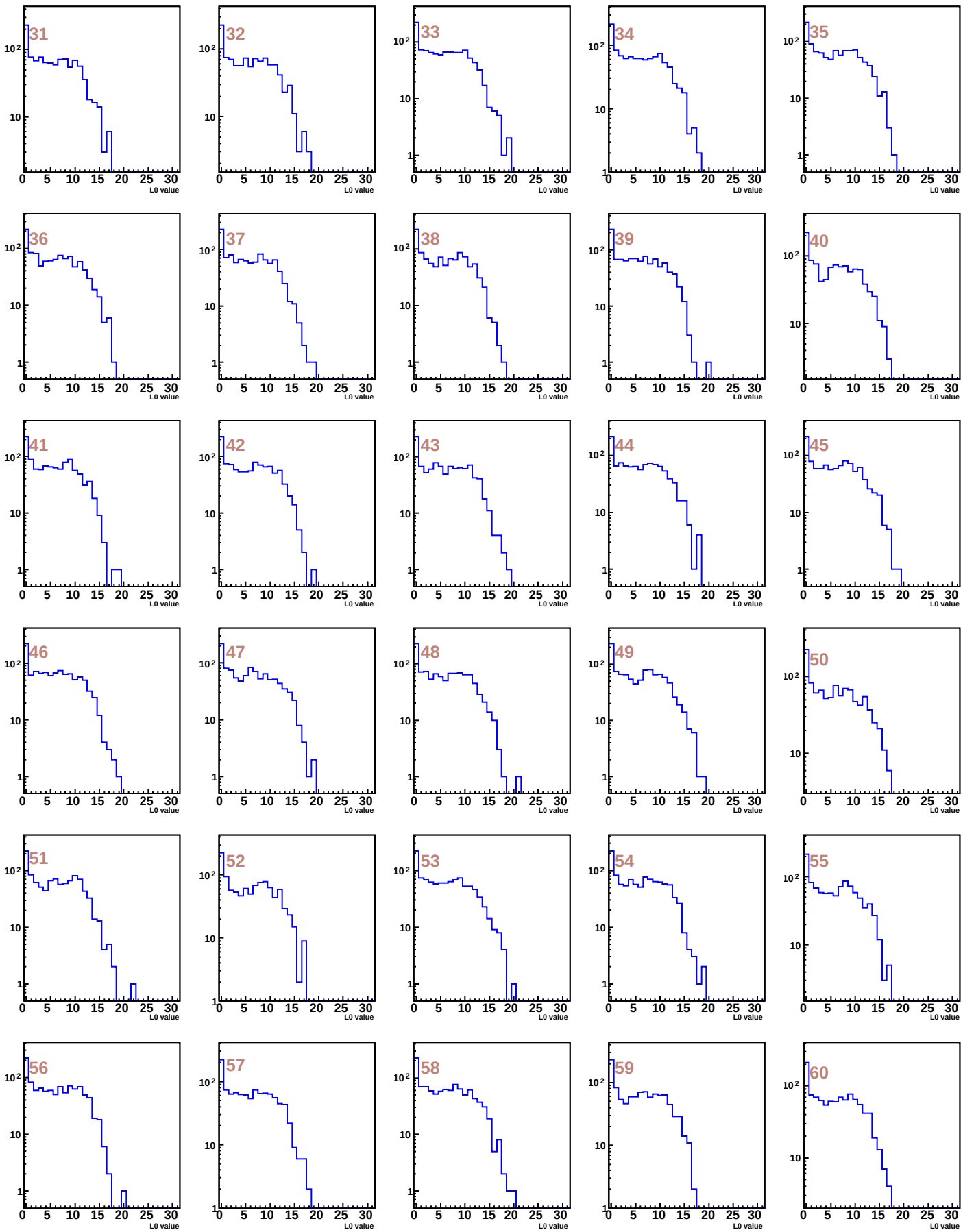
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value


31
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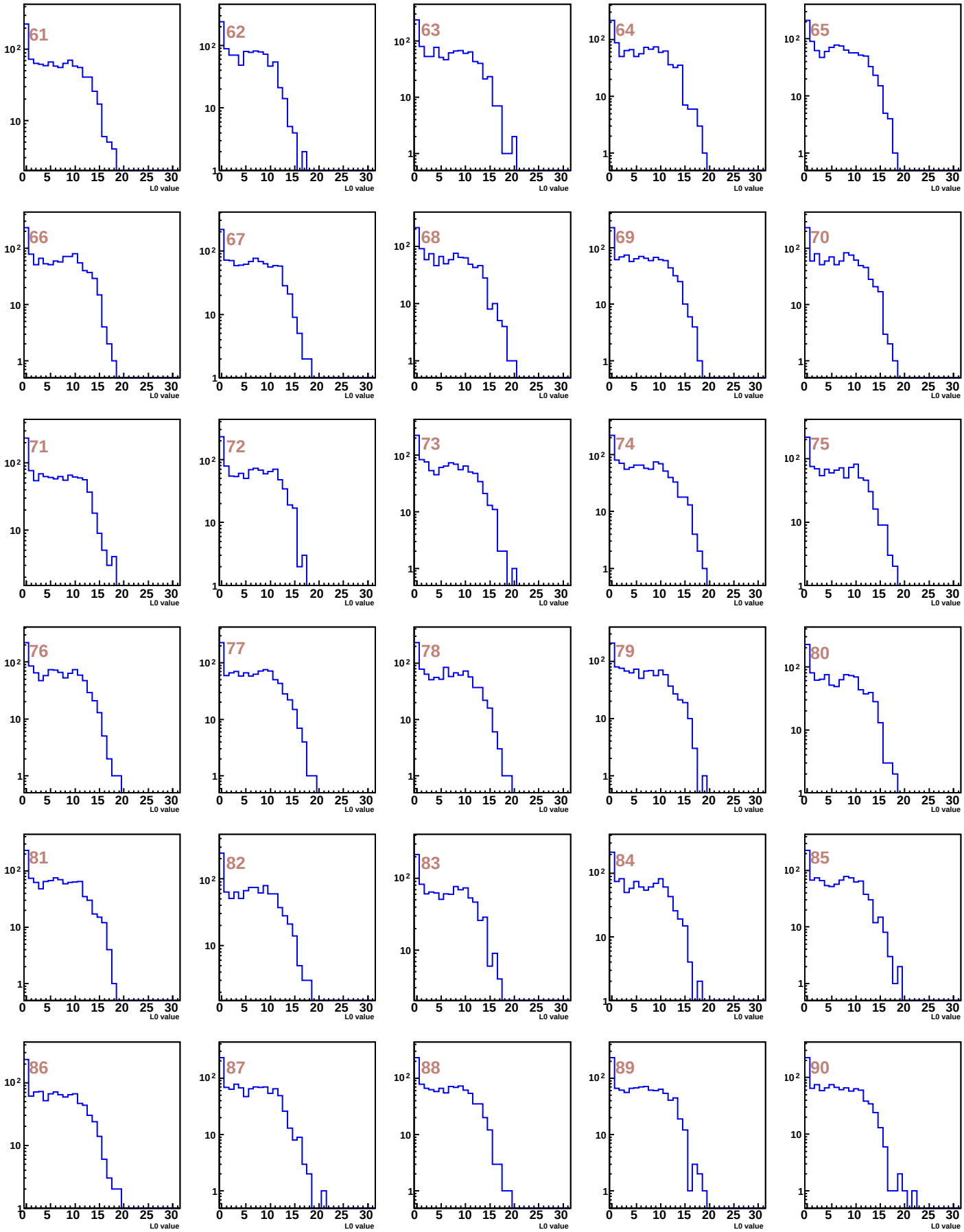
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
L0 value


61
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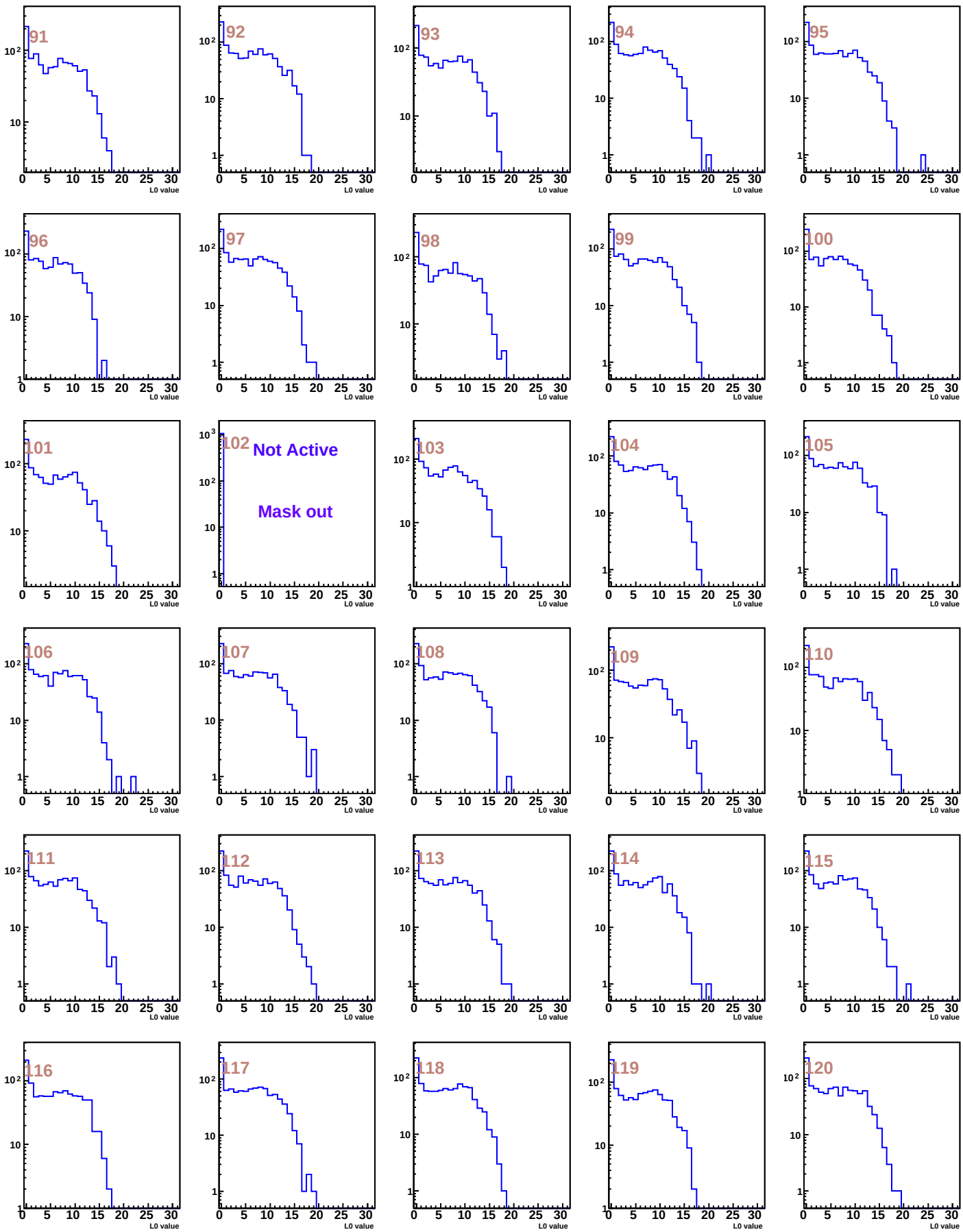
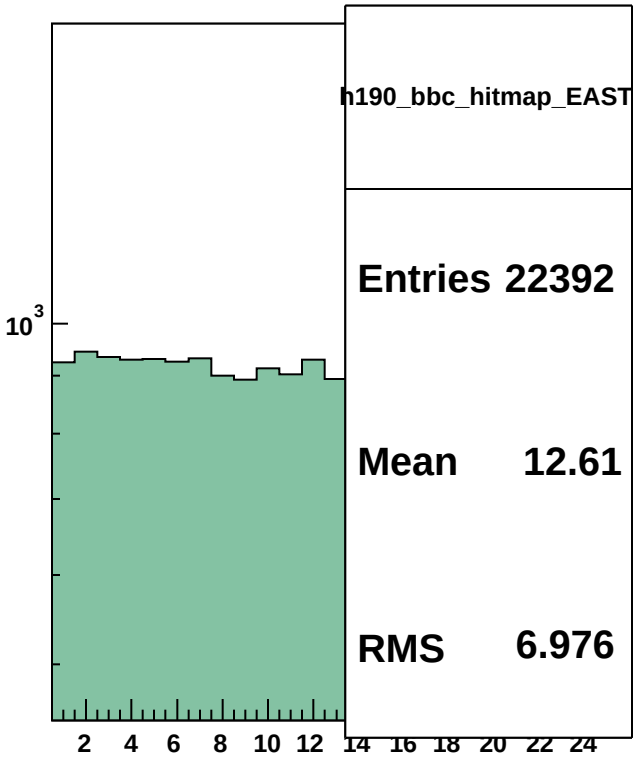
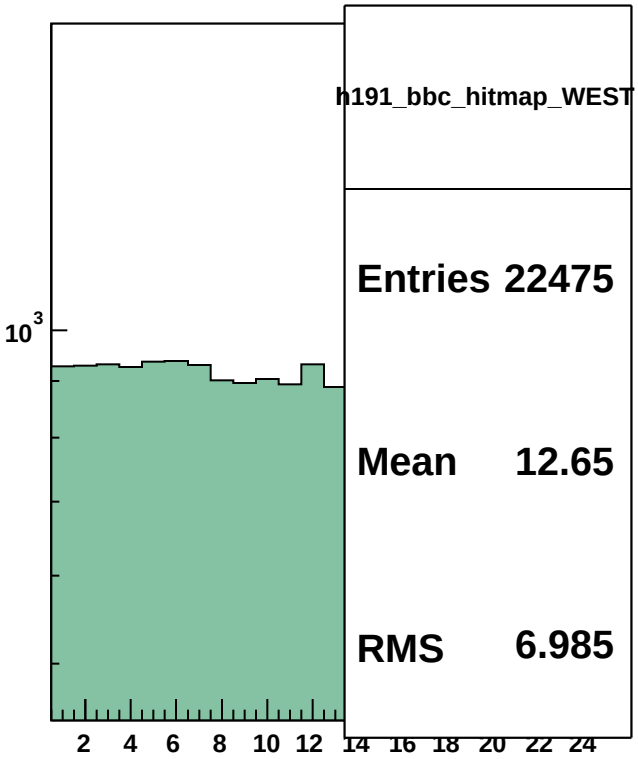
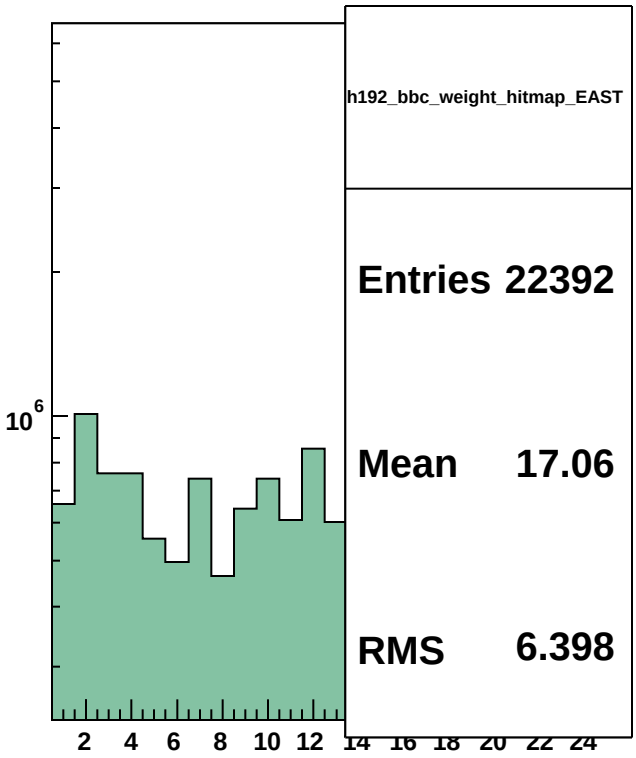
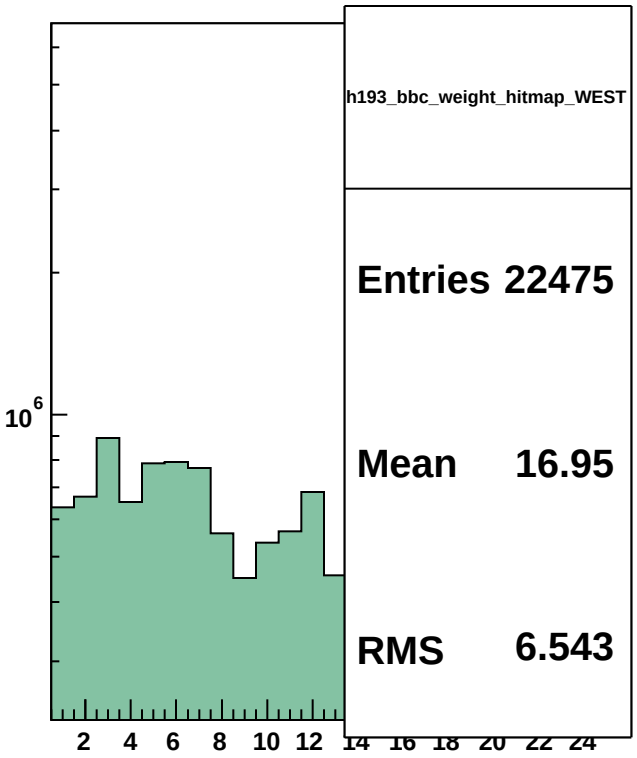
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
L0 value

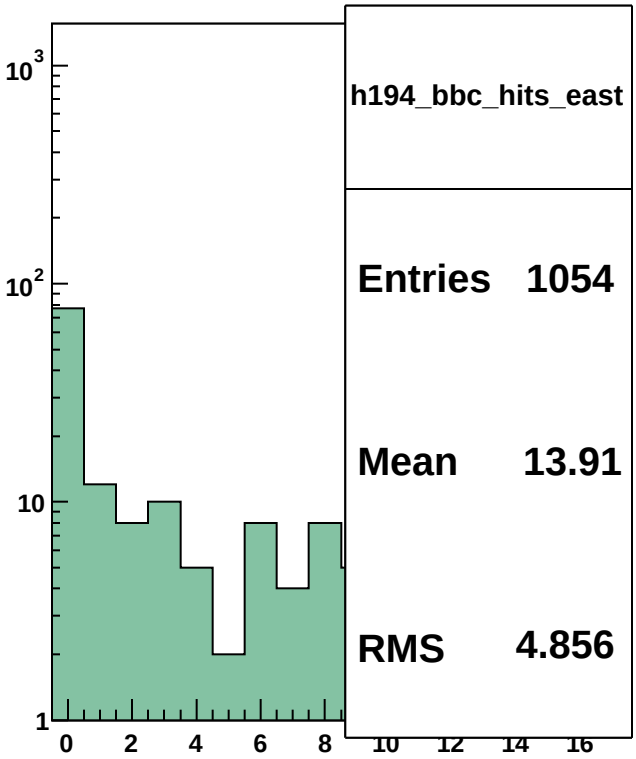

91
92
93
94
95
96
97
98
99
100
101
102
Not Active
Mask out
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

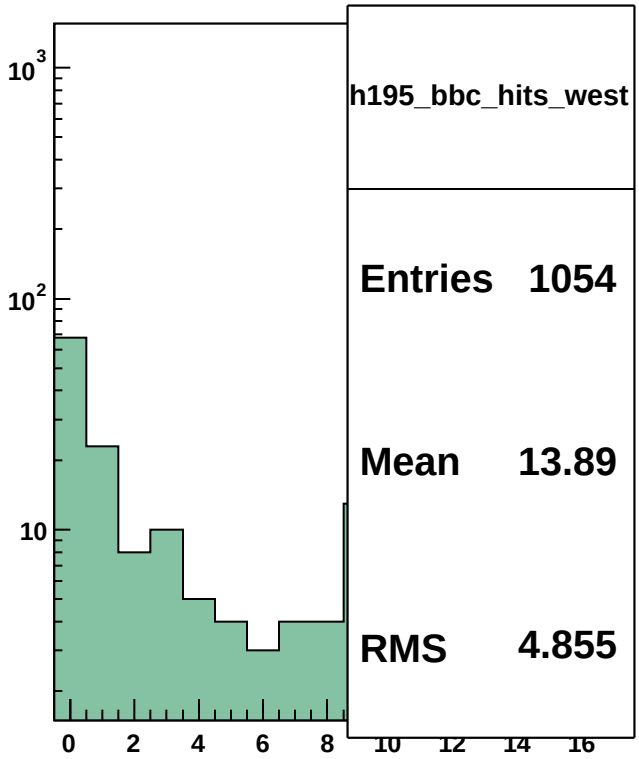

h190_bbc_hitmap_EAST
Entries 22392
Mean 12.61
RMS 6.976
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

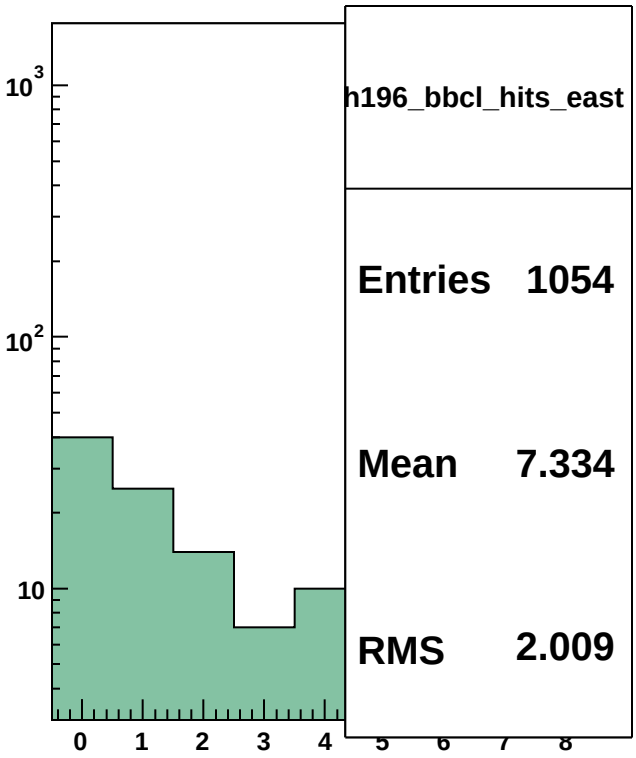

h191_bbc_hitmap_WEST
Entries 22475
Mean 12.65
RMS 6.985
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

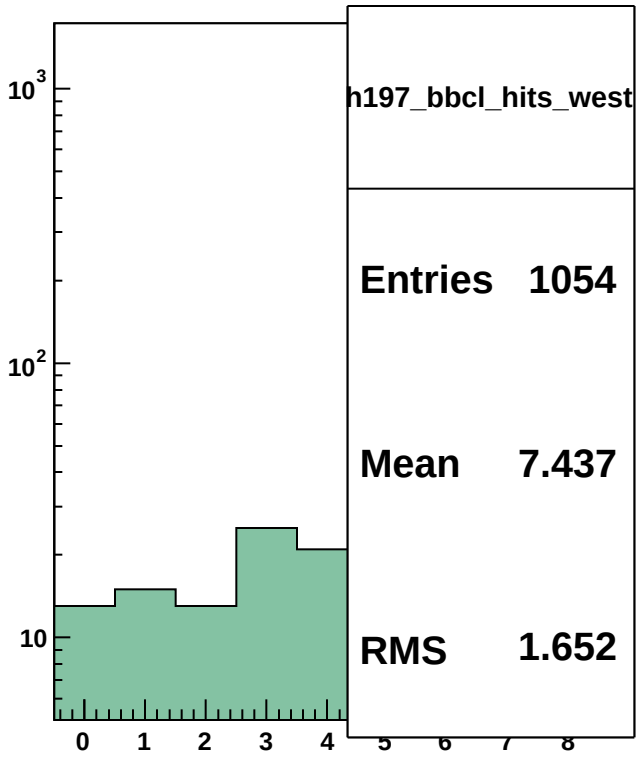

h192_bbc_weight_hitmap_EAST
Entries 22392
Mean 17.06
RMS 6.398
$10^6$
2 4 6 8 10 12 14 16 18 20 22 24

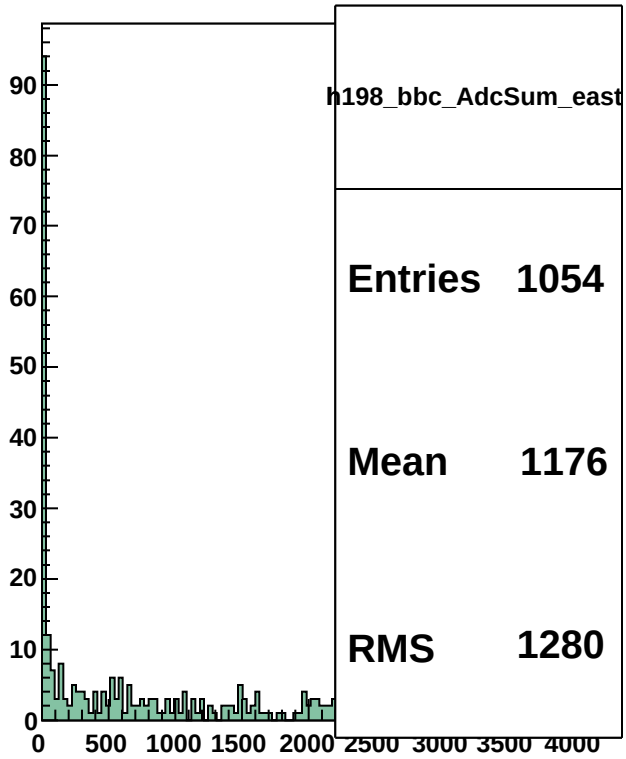

h193_bbc_weight_hitmap_WEST
Entries 22475
Mean 16.95
RMS 6.543
$10^6$
2 4 6 8 10 12 14 16 18 20 22 24

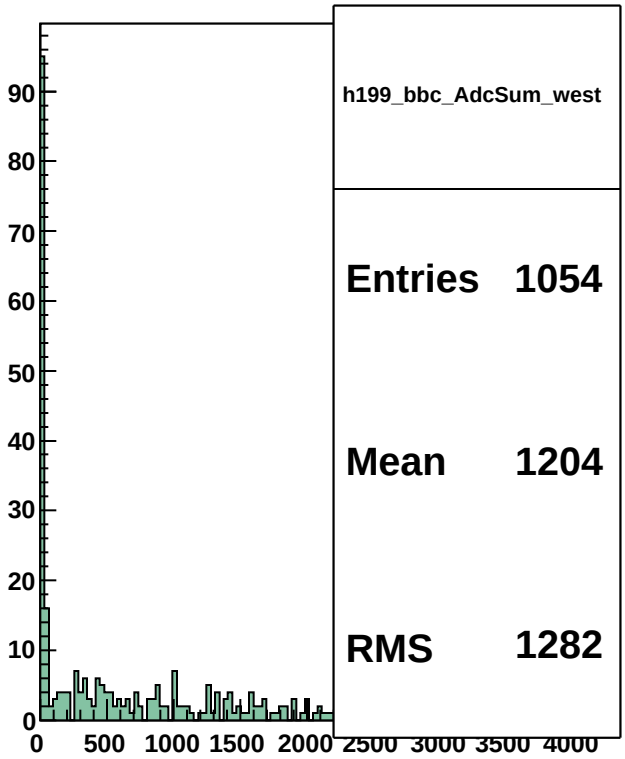

h194_bbc_hits_east
Entries 1054
Mean 13.91
RMS 4.856

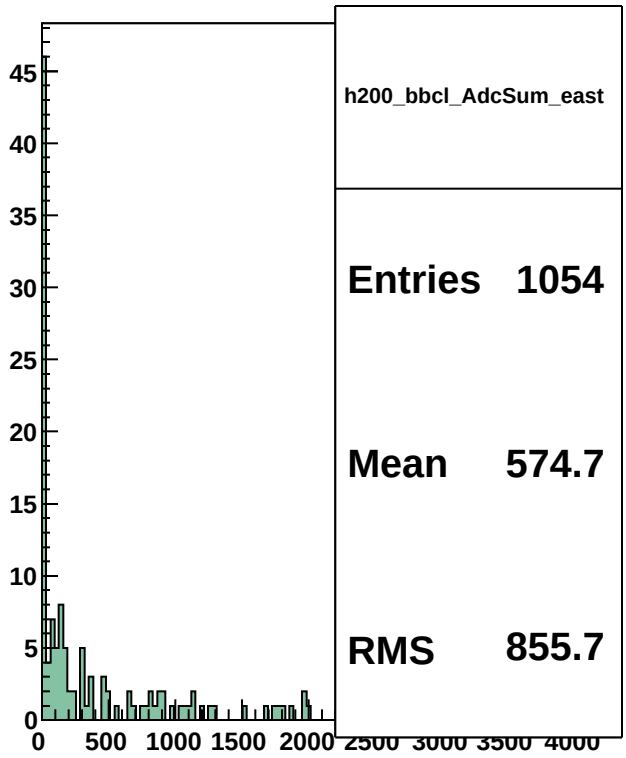

h195_bbc_hits_west
Entries 1054
Mean 13.89
RMS 4.855

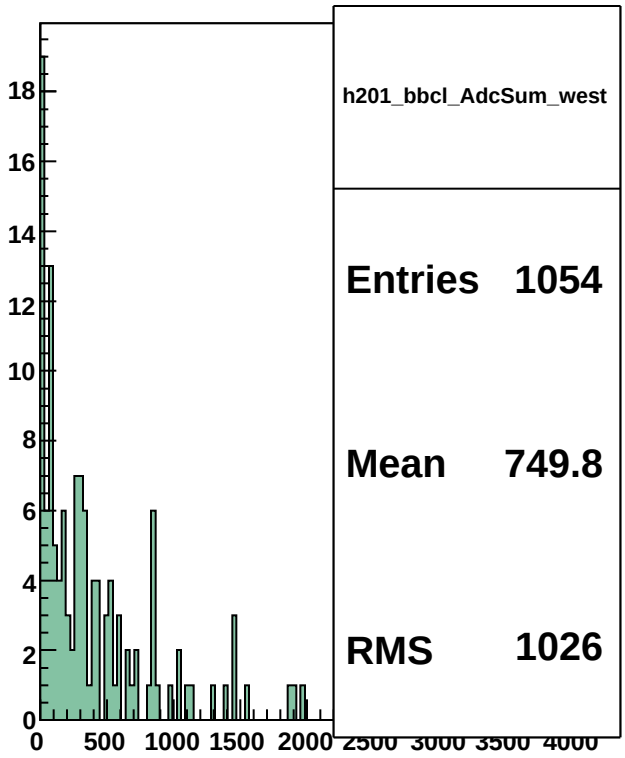

h196_bbcl_hits_east
Entries 1054
Mean 7.334
RMS 2.009

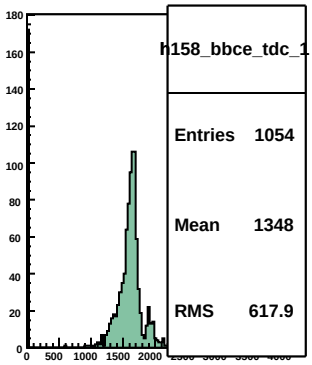

h197_bbcl_hits_west
Entries 1054
Mean 7.437
RMS 1.652

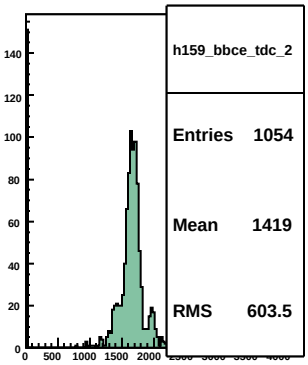

h198_bbc_AdcSum_east
Entries 1054
Mean 1176
RMS 1280

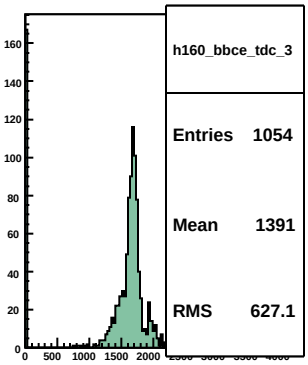

h199_bbc_AdcSum_west
Entries 1054
Mean 1204
RMS 1282

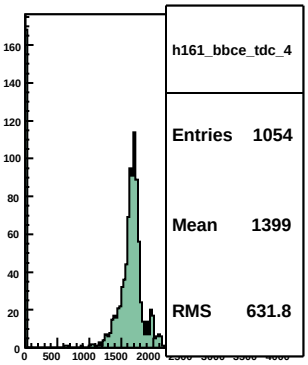

h200_bbcl_AdcSum_east
Entries 1054
Mean 574.7
RMS 855.7

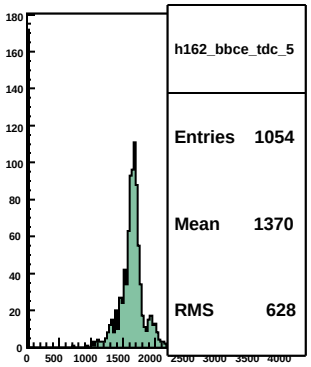

h201_bbcl_AdcSum_west
Entries 1054
Mean 749.8
RMS 1026

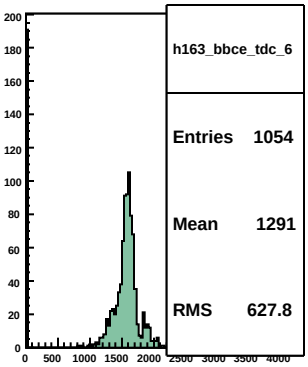

h158_bbce_tdc_1
Entries 1054
Mean 1348
RMS 617.9

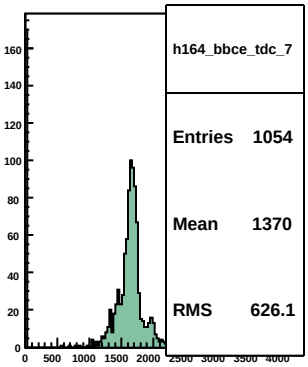

h159_bbce_tdc_2
Entries 1054
Mean 1419
RMS 603.5

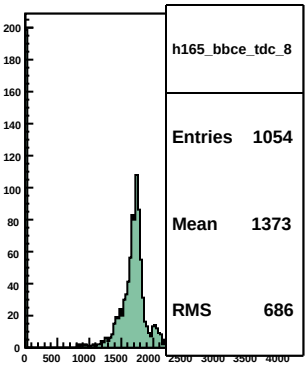

h160_bbce_tdc_3
Entries 1054
Mean 1391
RMS 627.1

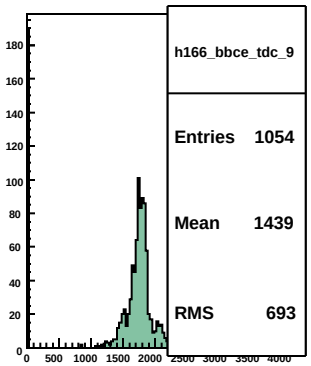

h161_bbce_tdc_4
Entries 1054
Mean 1399
RMS 631.8

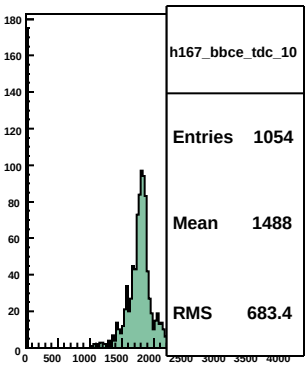

h162_bbce_tdc_5
Entries 1054
Mean 1370
RMS 628

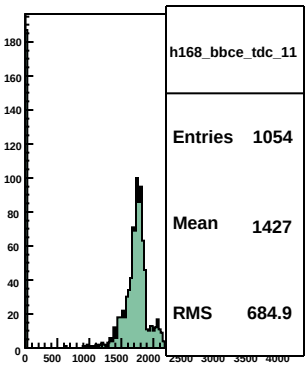

h163_bbce_tdc_6
Entries 1054
Mean 1291
RMS 627.8

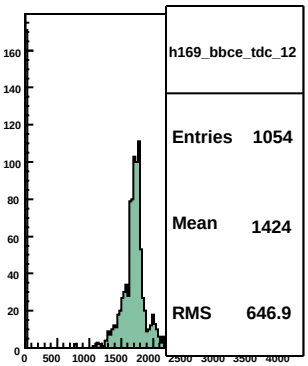

h164_bbce_tdc_7
Entries 1054
Mean 1370
RMS 626.1

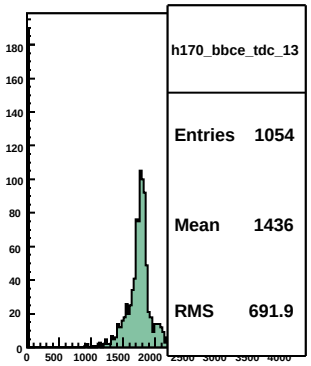

h165_bbce_tdc_8
Entries 1054
Mean 1373
RMS 686

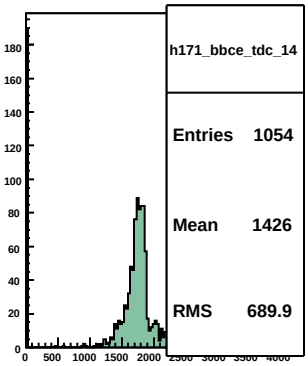

h166_bbce_tdc_9
Entries 1054
Mean 1439
RMS 693

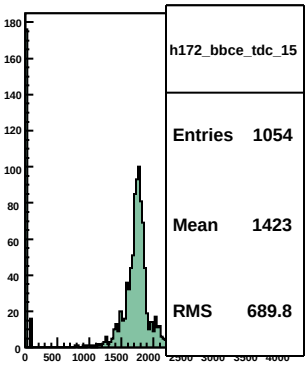

h167_bbce_tdc_10
Entries 1054
Mean 1488
RMS 683.4

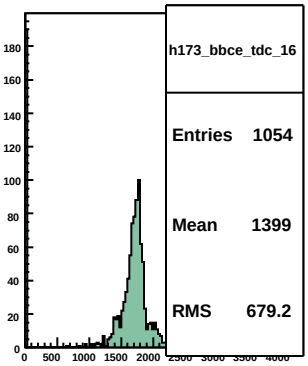

h168_bbce_tdc_11
Entries 1054
Mean 1427
RMS 684.9

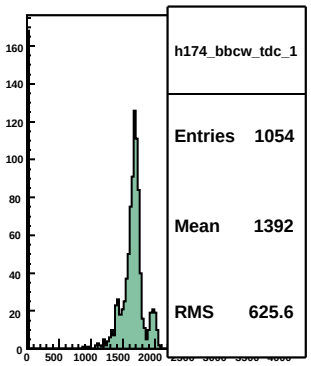

h169_bbce_tdc_12
Entries 1054
Mean 1424
RMS 646.9

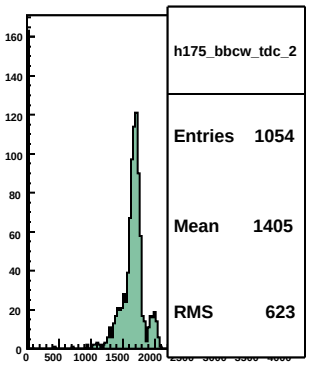

h170_bbce_tdc_13
Entries 1054
Mean 1436
RMS 691.9

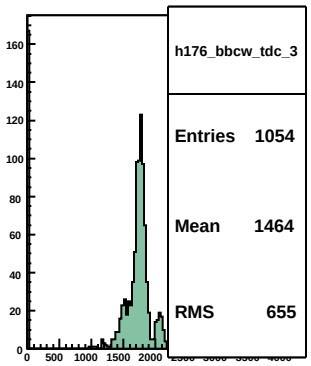

h171_bbce_tdc_14
Entries 1054
Mean 1426
RMS 689.9

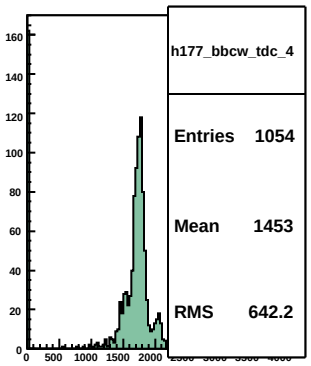

h172_bbce_tdc_15
Entries 1054
Mean 1423
RMS 689.8

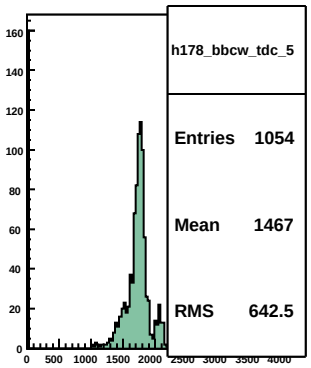

h173_bbce_tdc_16
Entries 1054
Mean 1399
RMS 679.2

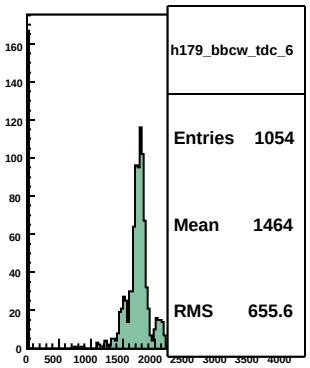

h174_bbcw_tdc_1
Entries 1054
Mean 1392
RMS 625.6

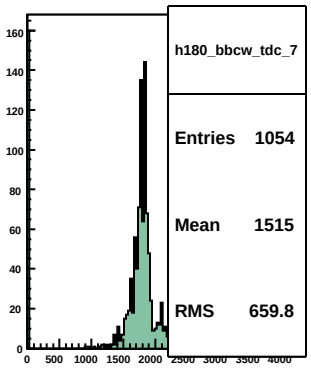

h175_bbcw_tdc_2
Entries 1054
Mean 1405
RMS 623

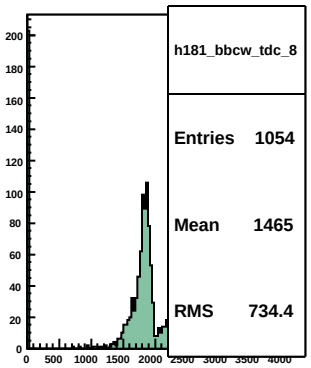

h176_bbcw_tdc_3
Entries 1054
Mean 1464
RMS 655

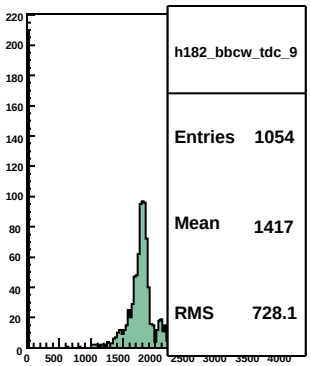

h177_bbcw_tdc_4
Entries 1054
Mean 1453
RMS 642.2

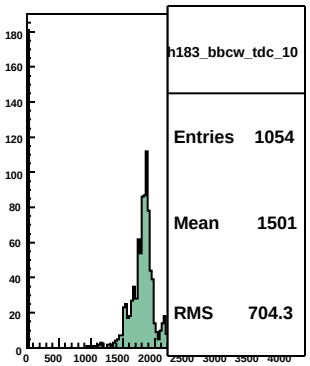

h178_bbcw_tdc_5
Entries 1054
Mean 1467
RMS 642.5

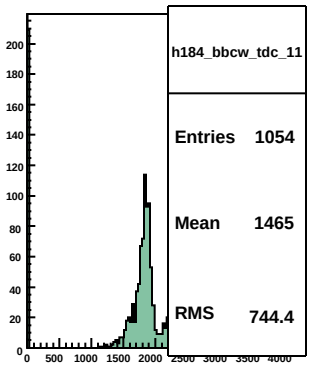

h179_bbcw_tdc_6
Entries 1054
Mean 1464
RMS 655.6

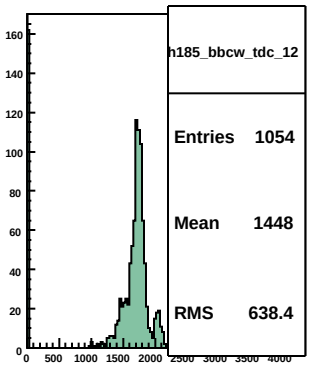

h180_bbcw_tdc_7
Entries 1054
Mean 1515
RMS 659.8

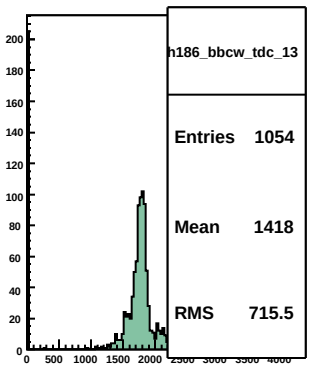

h181_bbcw_tdc_8
Entries 1054
Mean 1465
RMS 734.4

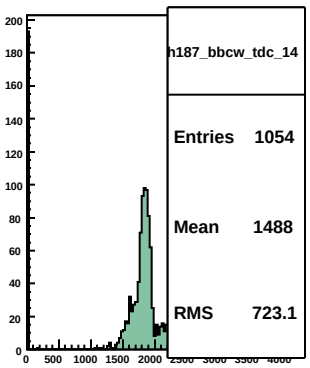

h182_bbcw_tdc_9
Entries 1054
Mean 1417
RMS 728.1

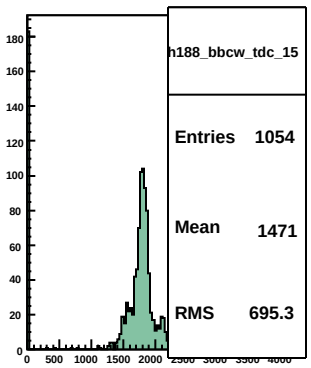

h183_bbcw_tdc_10
Entries 1054
Mean 1501
RMS 704.3

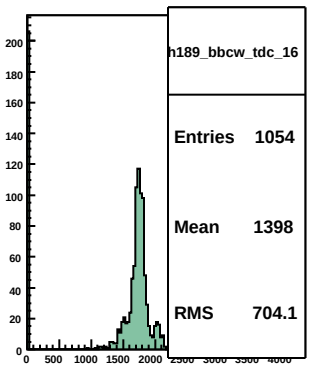

h184_bbcw_tdc_11
Entries 1054
Mean 1465
RMS 744.4

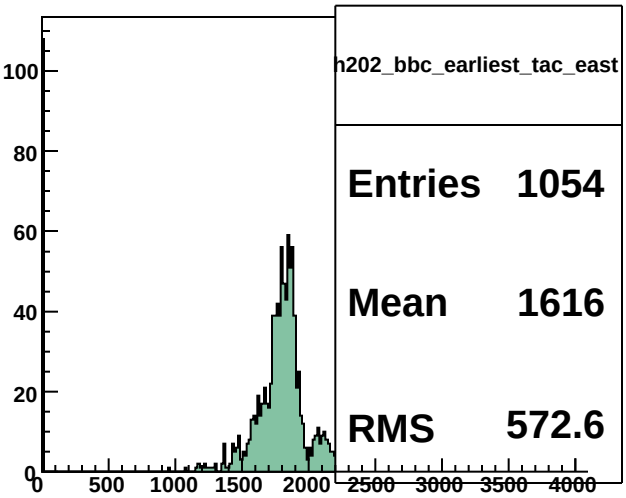

h185_bbcw_tdc_12
Entries 1054
Mean 1448
RMS 638.4

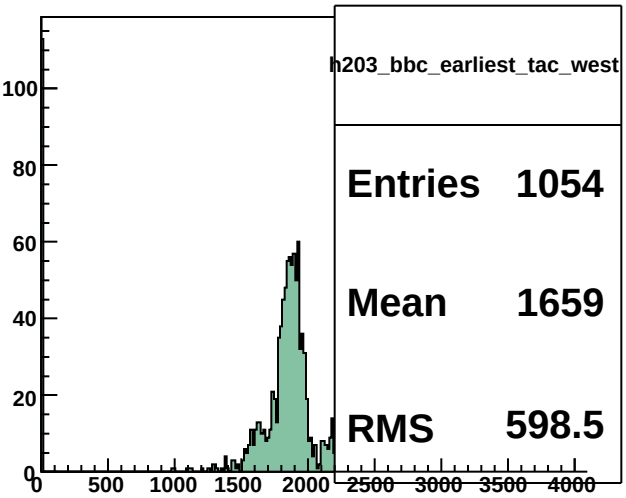

h186_bbcw_tdc_13
Entries 1054
Mean 1418
RMS 715.5

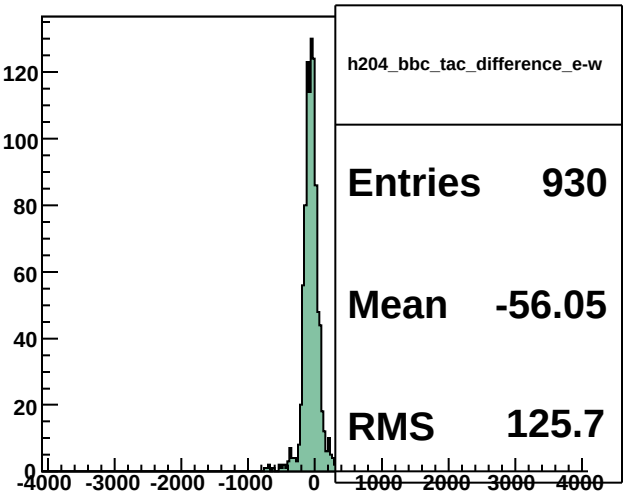

h187_bbcw_tdc_14
Entries 1054
Mean 1488
RMS 723.1

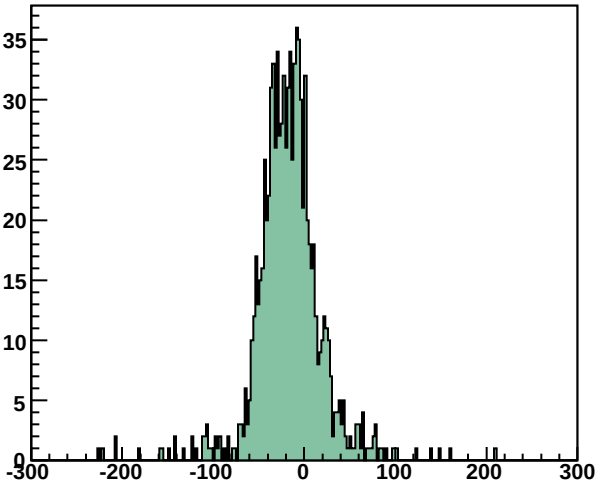

h188_bbcw_tdc_15
Entries 1054
Mean 1471
RMS 695.3

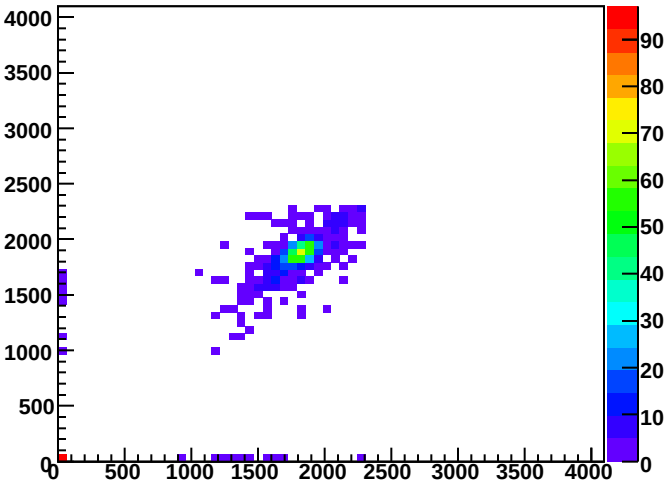

h189_bbcw_tdc_16
Entries 1054
Mean 1398
RMS 704.1

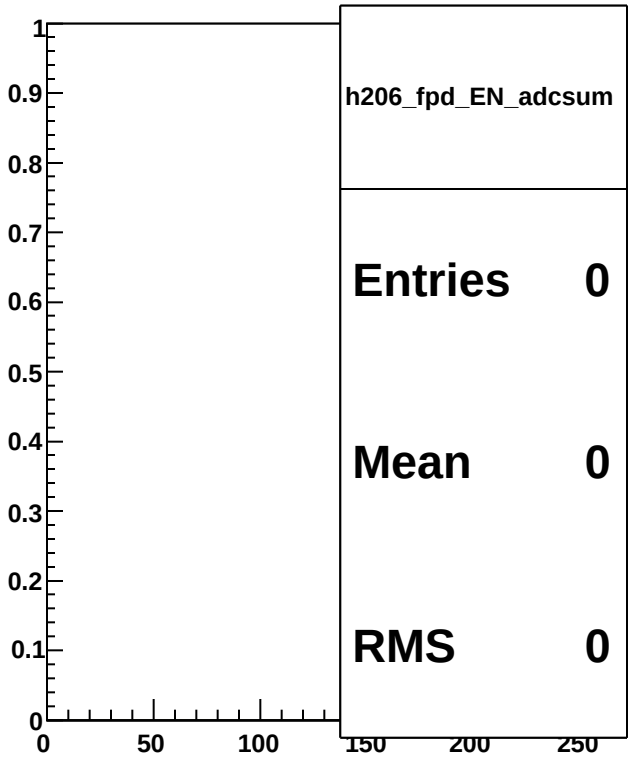

h202_bbc_earliest_tac_east
Entries 1054
Mean 1616
RMS 572.6

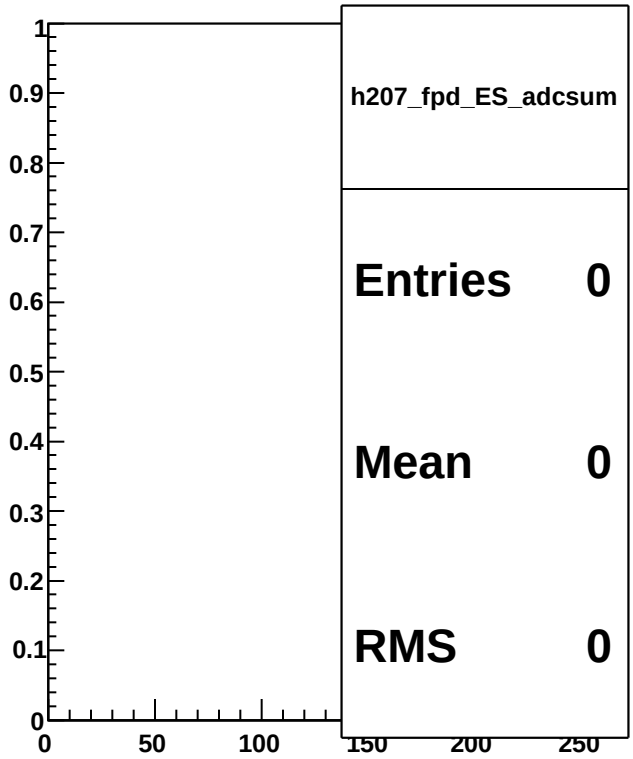

h203_bbc_earliest_tac_west
Entries 1054
Mean 1659
RMS 598.5

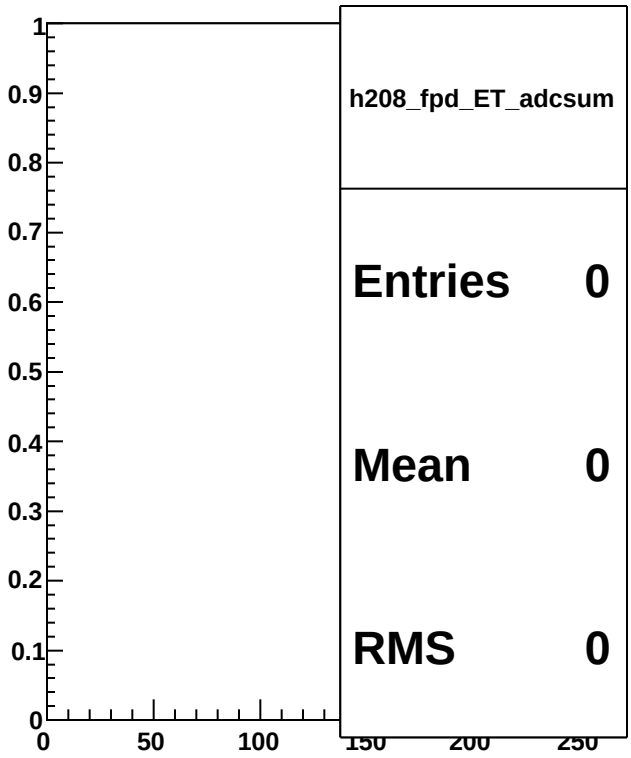

h204_bbc_tac_difference_e-w
Entries 930
Mean -56.05
RMS 125.7

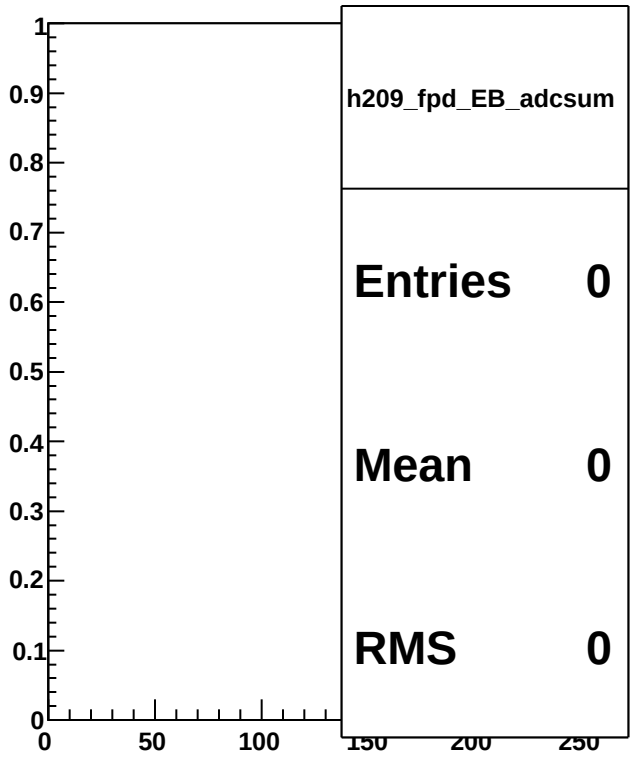


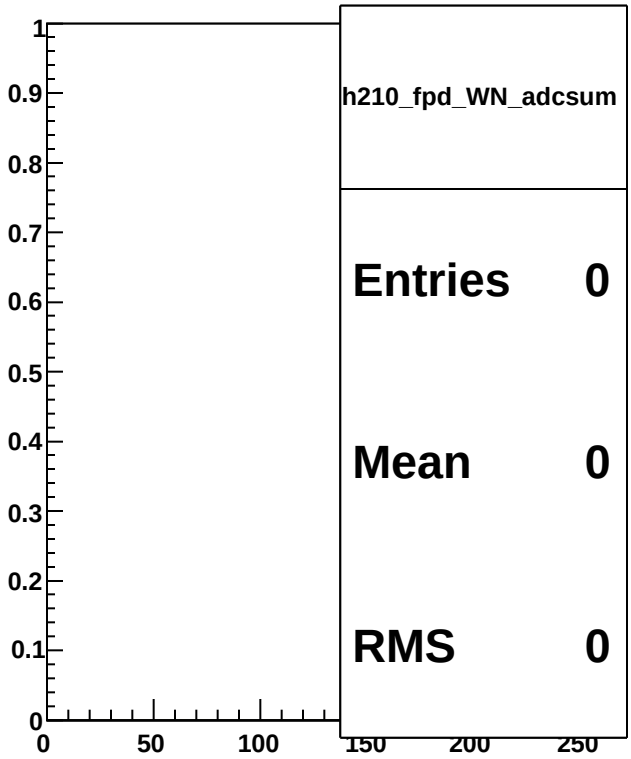


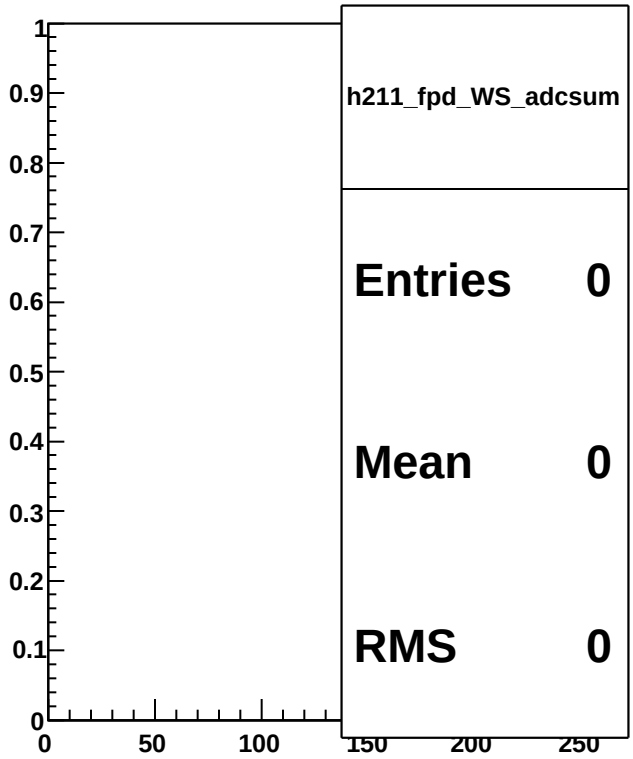

h206_fpd_EN_adcsum
Entries 0
Mean 0
RMS 0

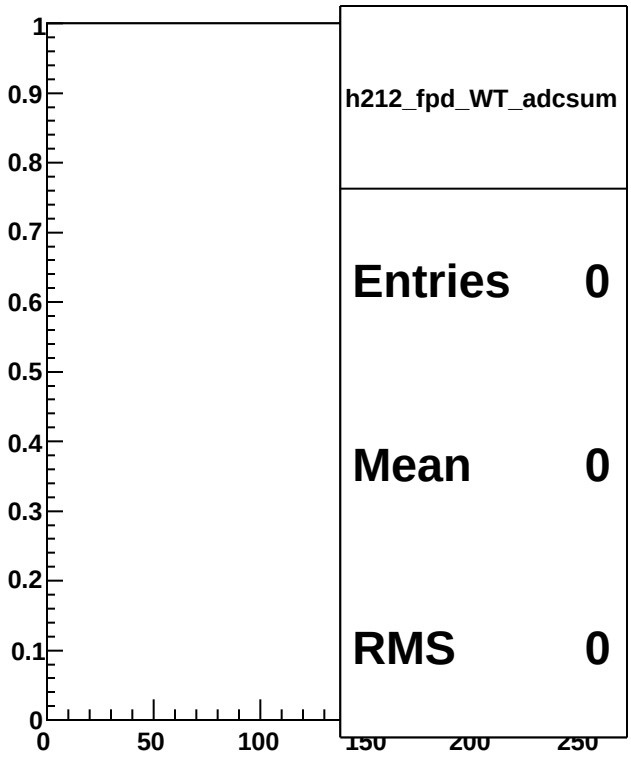

h207_fpd_ES_adcsum
Entries 0
Mean 0
RMS 0

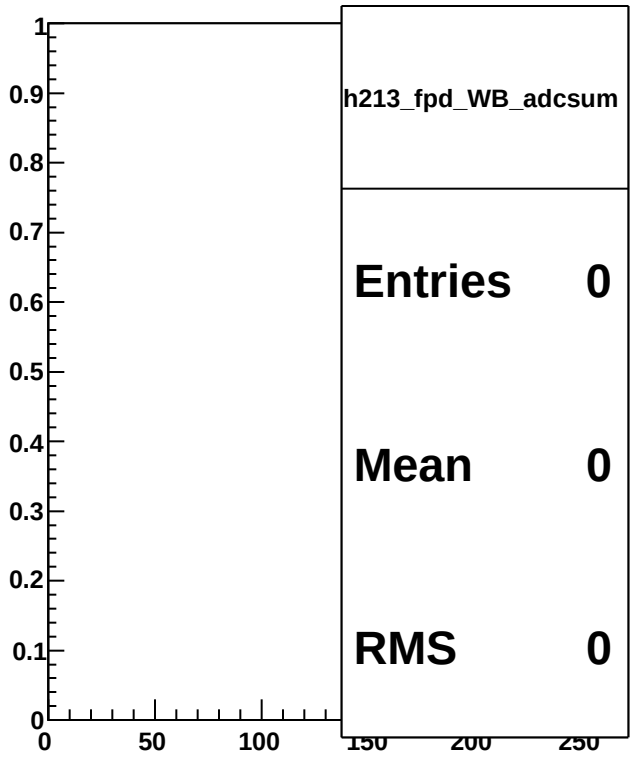

h208_fpd_ET_adcsum
Entries 0
Mean 0
RMS 0

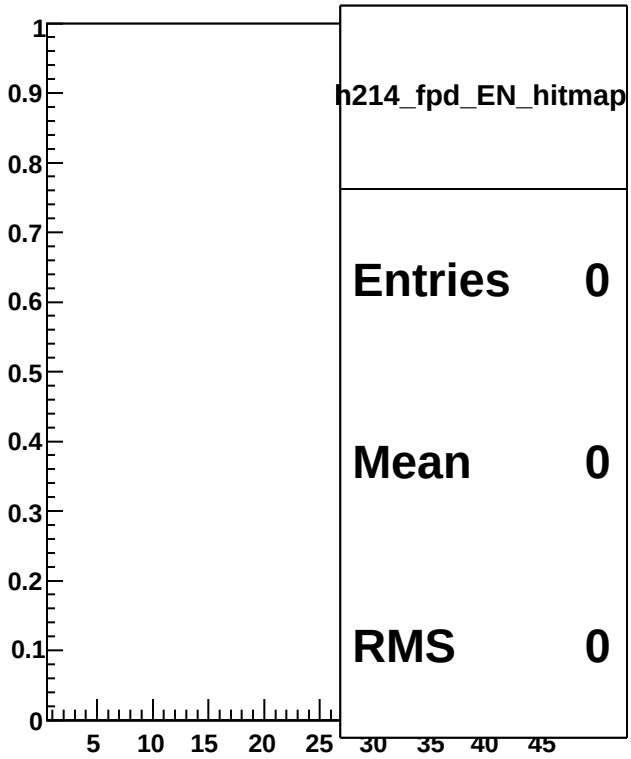

h209_fpd_EB_adcsum
Entries 0
Mean 0
RMS 0

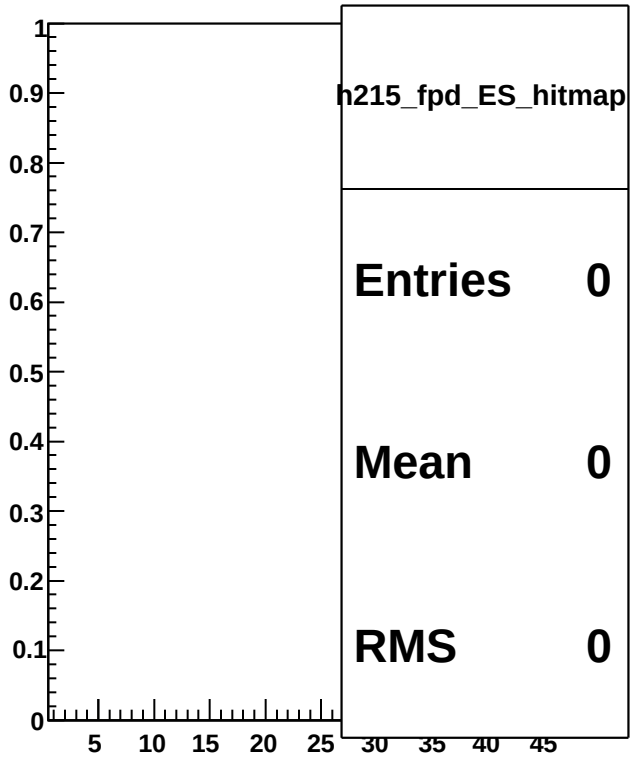

h210_fpd_WN_adcsum
Entries 0
Mean 0
RMS 0

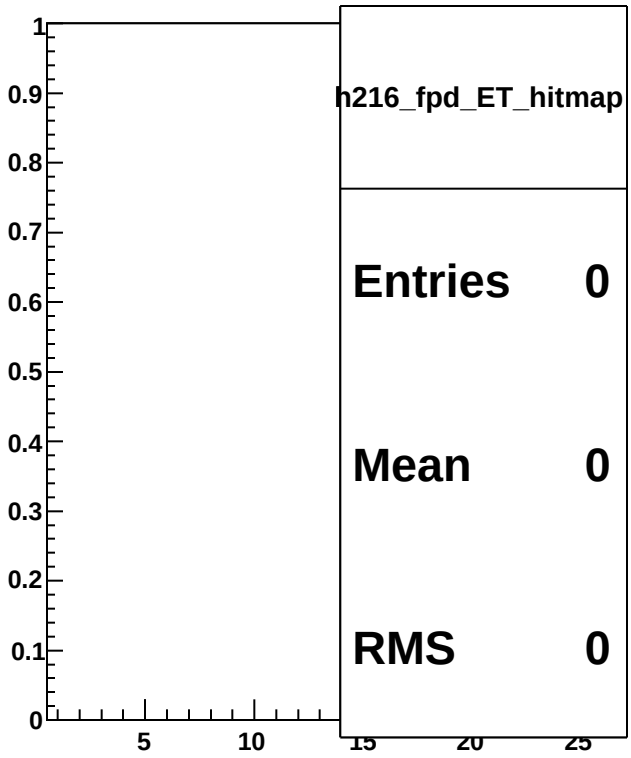

h211_fpd_WS_adcsum
Entries 0
Mean 0
RMS 0

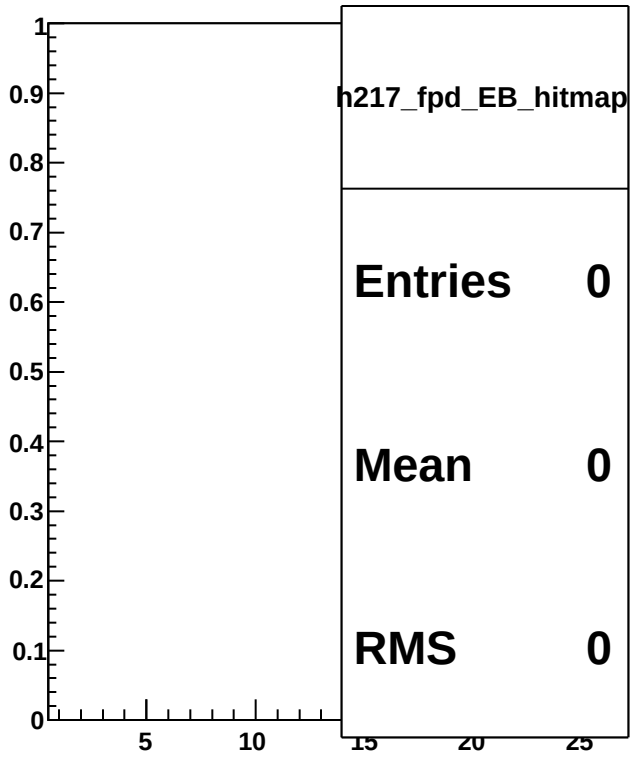

h212_fpd_WT_adcsum
Entries 0
Mean 0
RMS 0

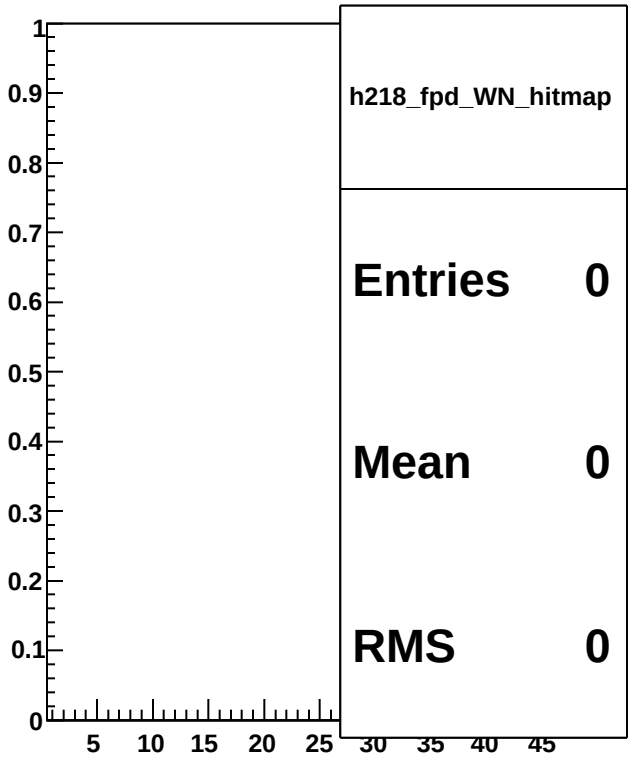

h213_fpd_WB_adcsum
Entries 0
Mean 0
RMS 0


h214_fpd_EN_hitmap
Entries 0
Mean 0
RMS 0


h215_fpd_ES_hitmap
Entries 0
Mean 0
RMS 0


h216_fpd_ET_hitmap
Entries 0
Mean 0
RMS 0


h217_fpd_EB_hitmap
Entries 0
Mean 0
RMS 0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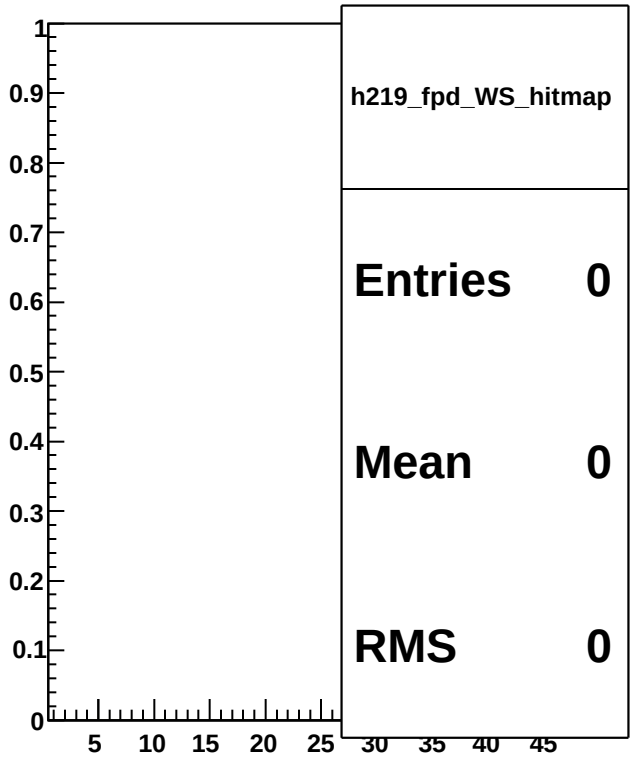
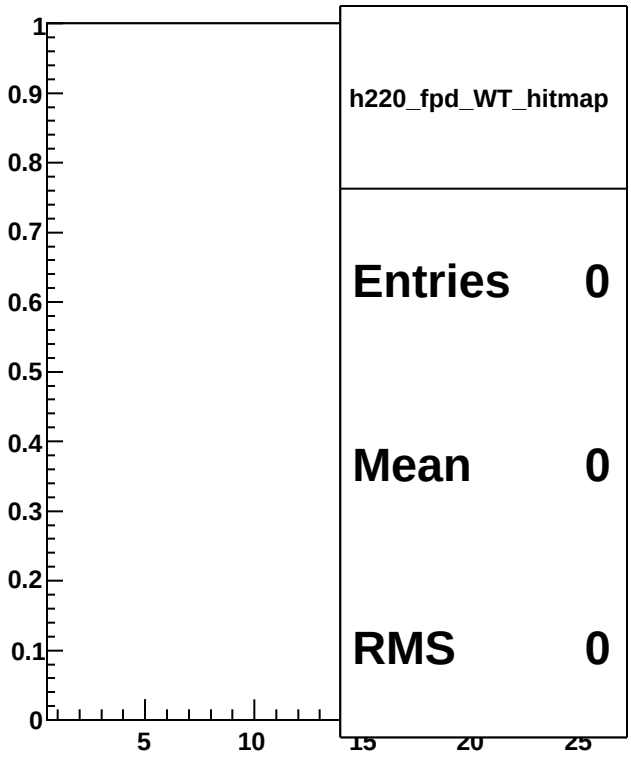
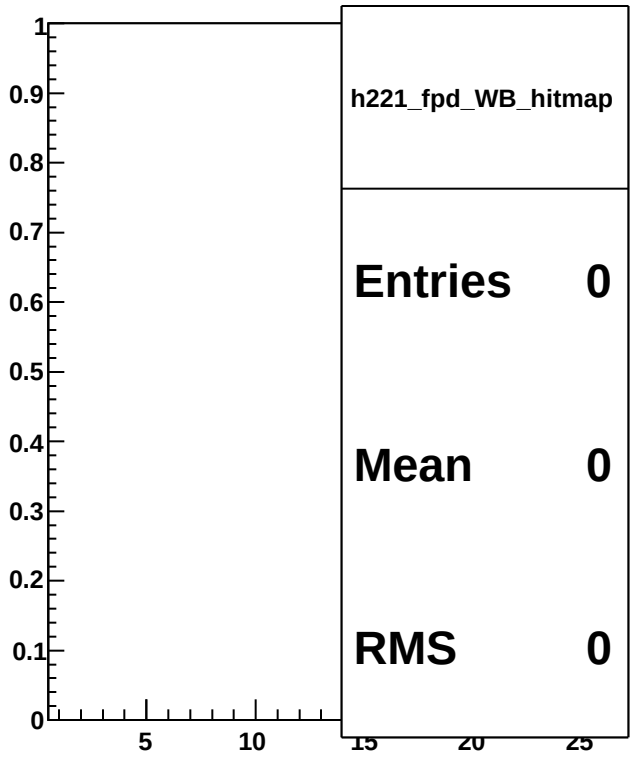
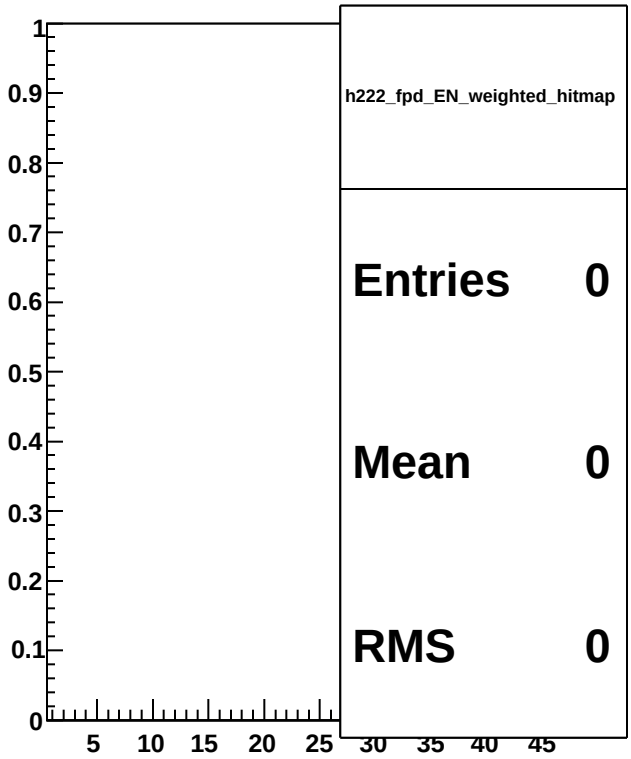
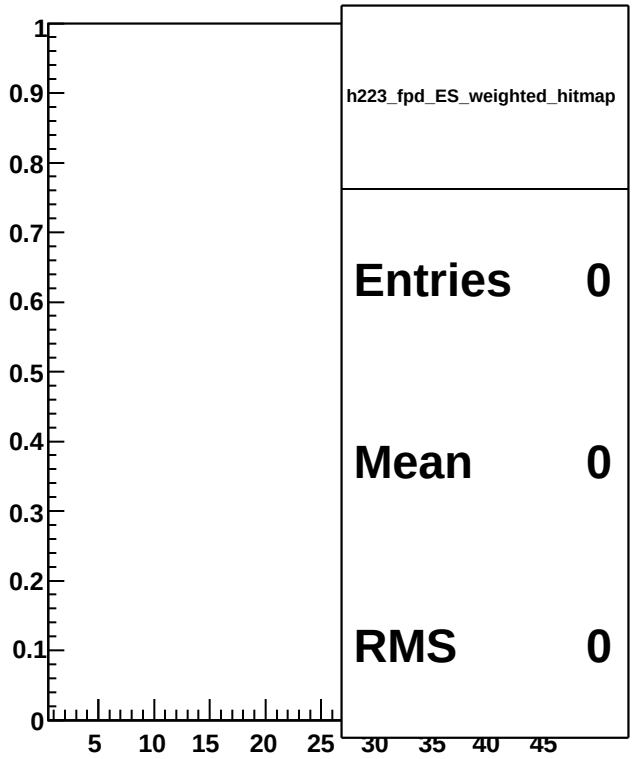
Entries 0
Mean 0
RMS 0

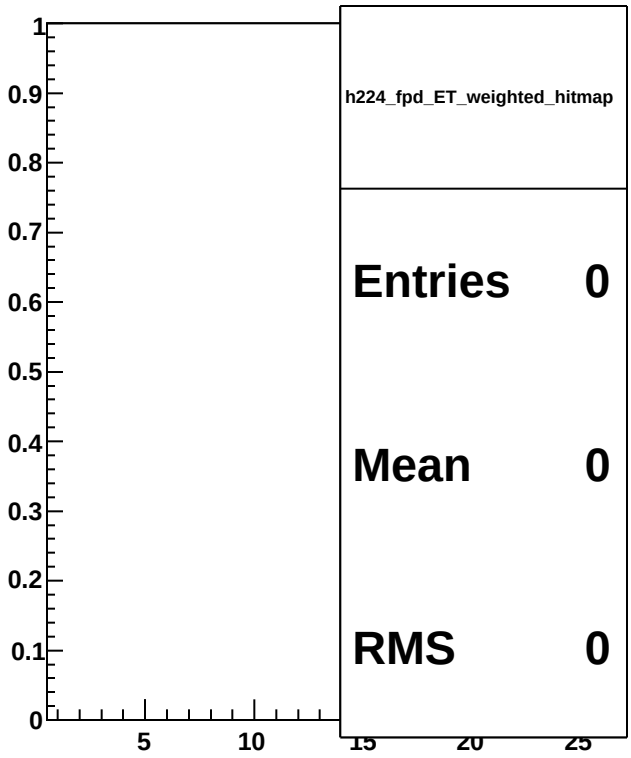

h219_fpd_WS_hitmap
Entries 0
Mean 0
RMS 0

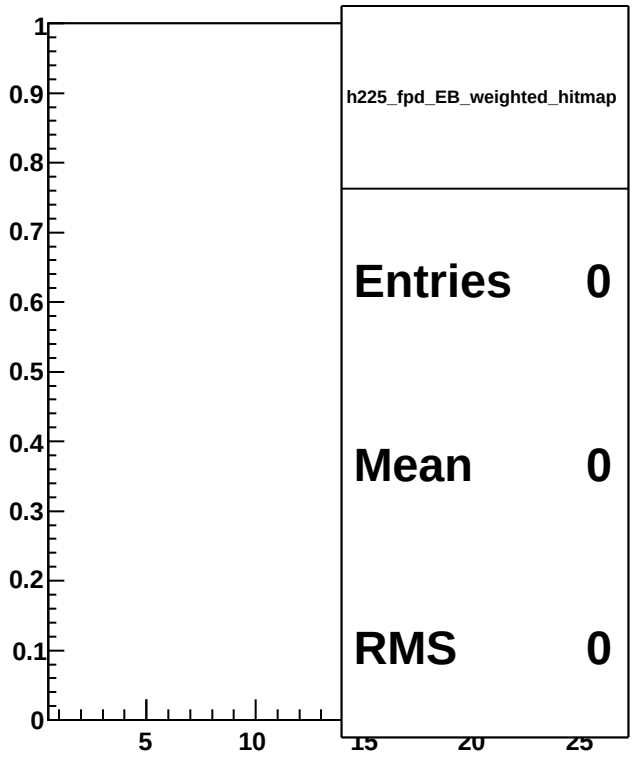

h220_fpd_WT_hitmap
Entries 0
Mean 0
RMS 0

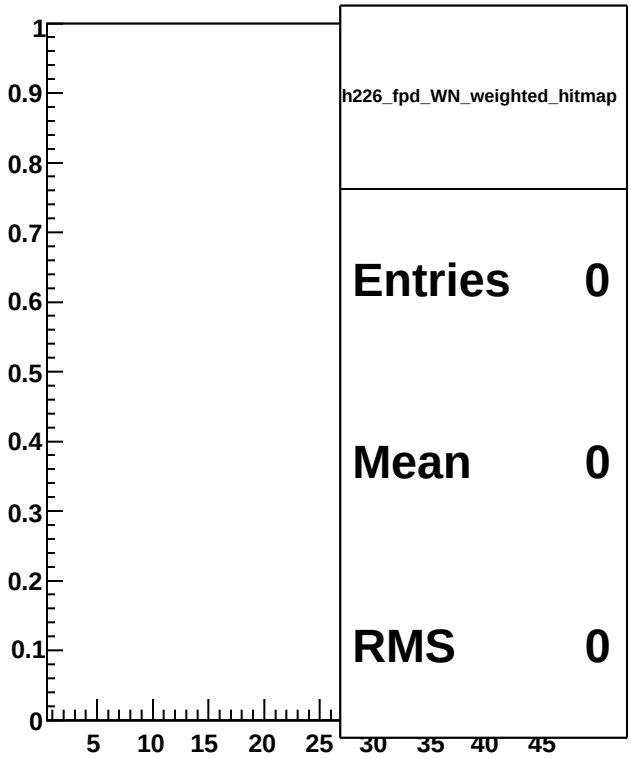

h221_fpd_WB_hitmap
Entries 0
Mean 0
RMS 0

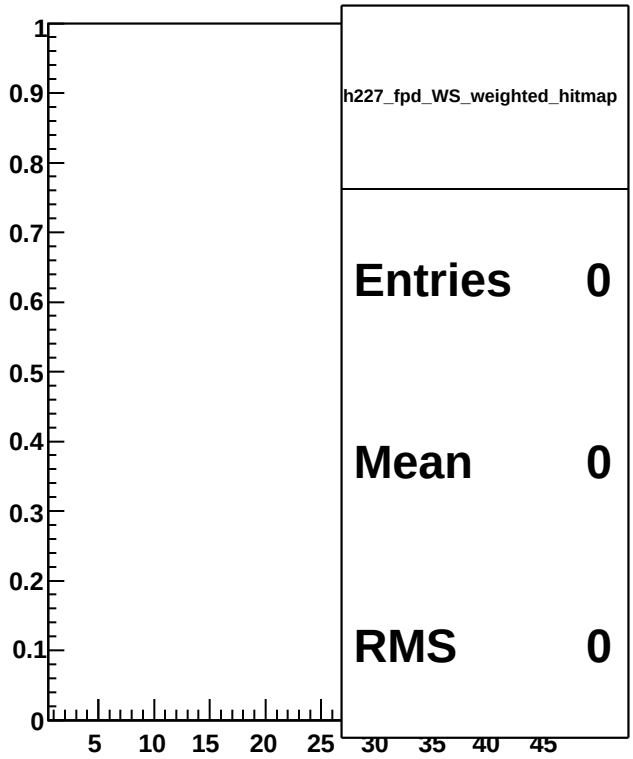

h222_fpd_EN_weighted_hitmap
Entries 0
Mean 0
RMS 0

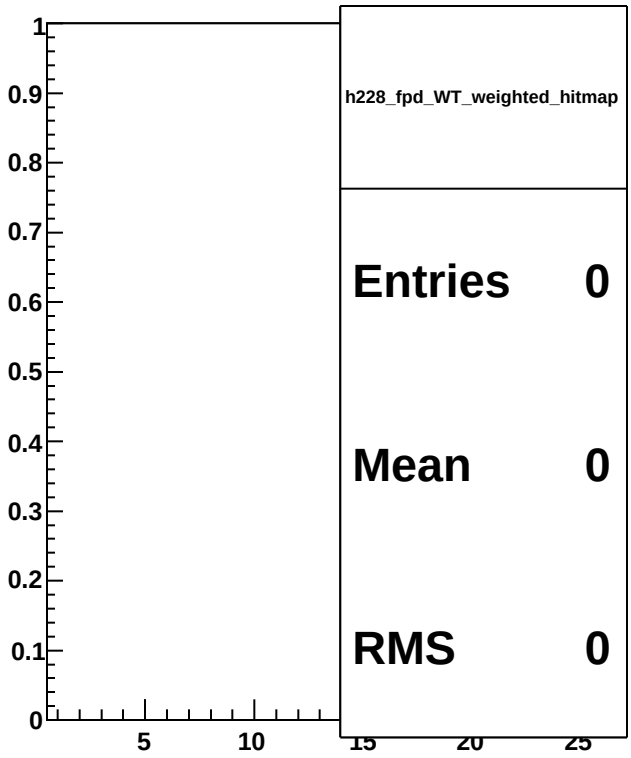

h223_fpd_ES_weighted_hitmap
Entries 0
Mean 0
RMS 0

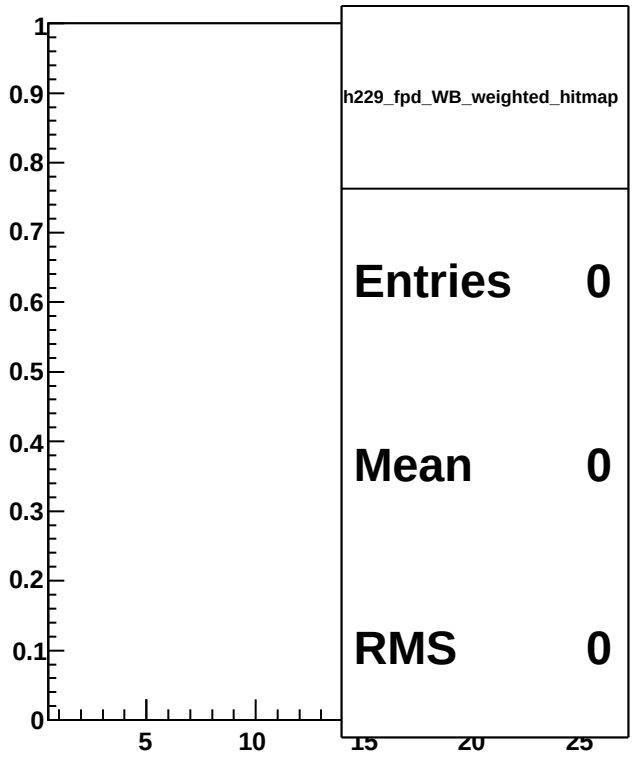

h224_fpd_ET_weighted_hitmap
Entries 0
Mean 0
RMS 0

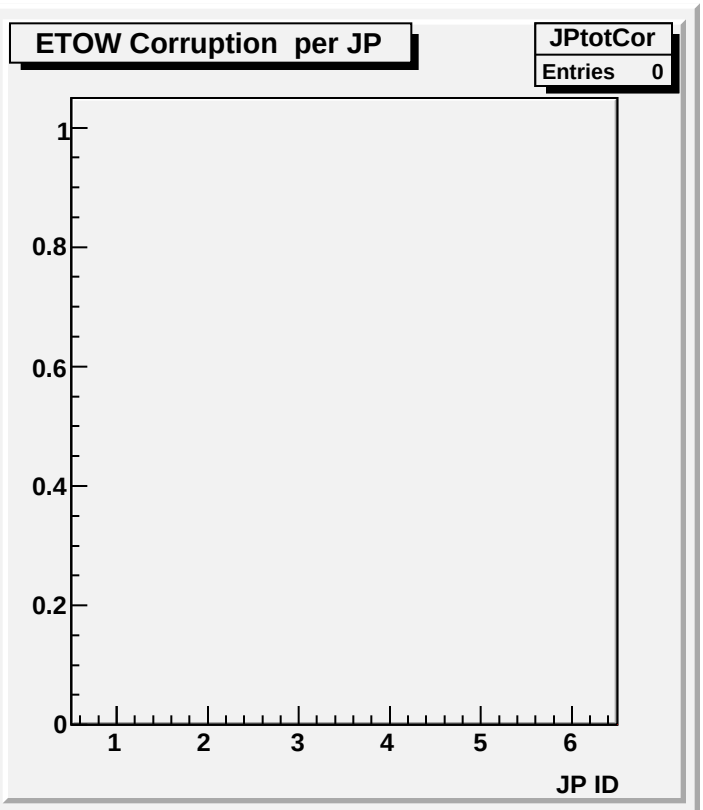

h225_fpd_EB_weighted_hitmap
Entries 0
Mean 0
RMS 0

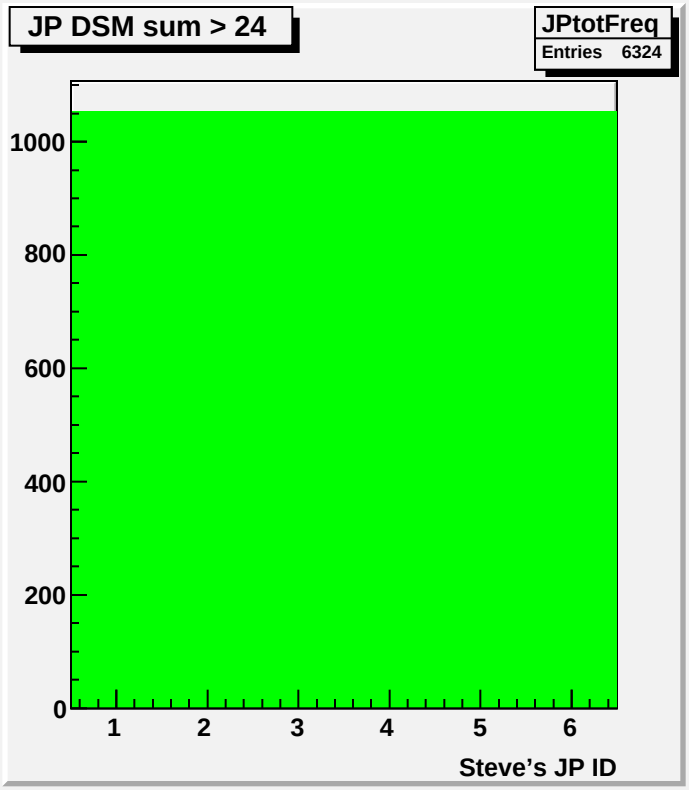

h226_fpd_WN_weighted_hitmap
Entries 0
Mean 0
RMS 0

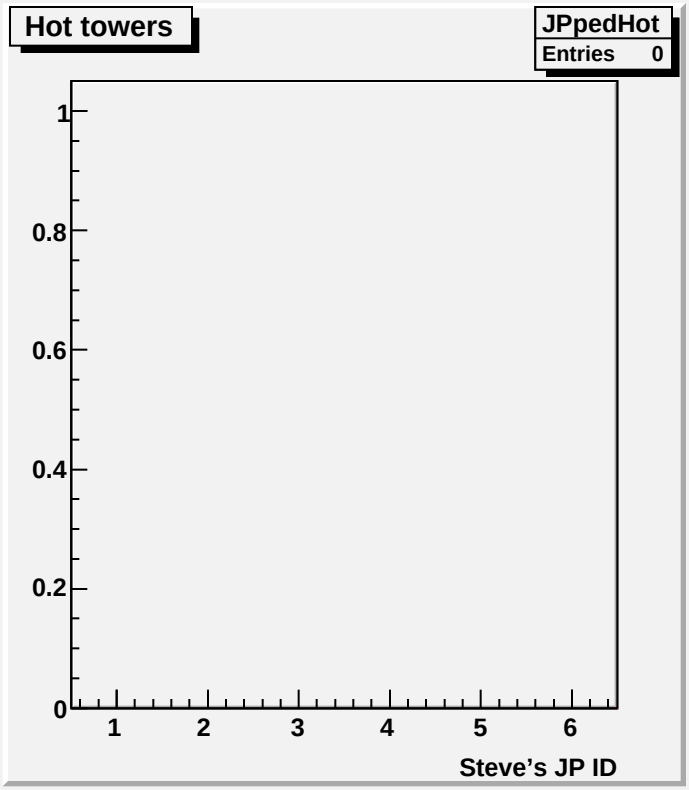

h227_fpd_WS_weighted_hitmap
Entries 0
Mean 0
RMS 0


h228_fpd_WT_weighted_hitmap
Entries 0
Mean 0
RMS 0


h229_fpd_WB_weighted_hitmap
Entries 0
Mean 0
RMS 0

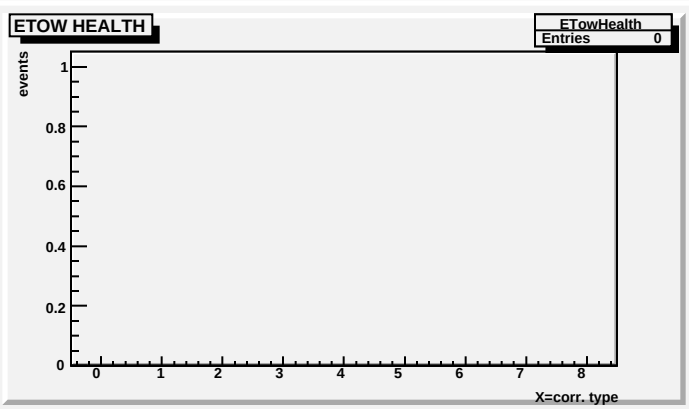


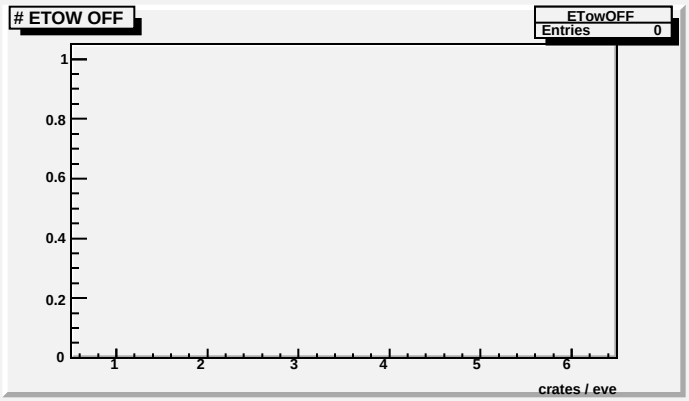



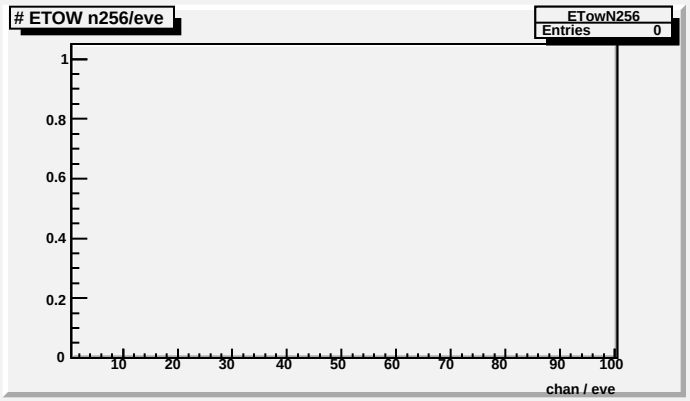

**ETOW masked (cr-ch-name): 1-97-12TC05, 4-117-07TC05, 4-18-06TA03, 2-98-02TC06, 6-67-11TB08,**

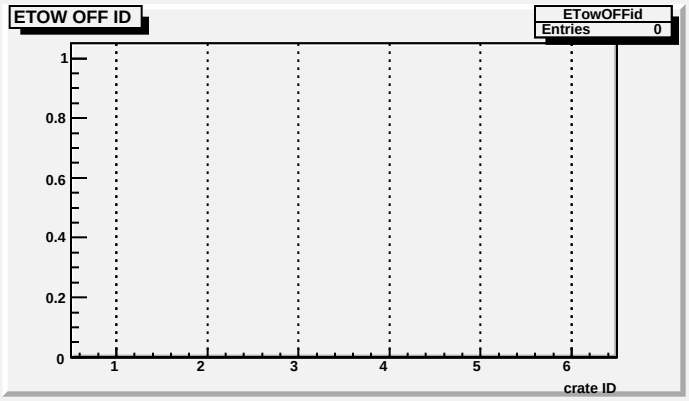
**--**

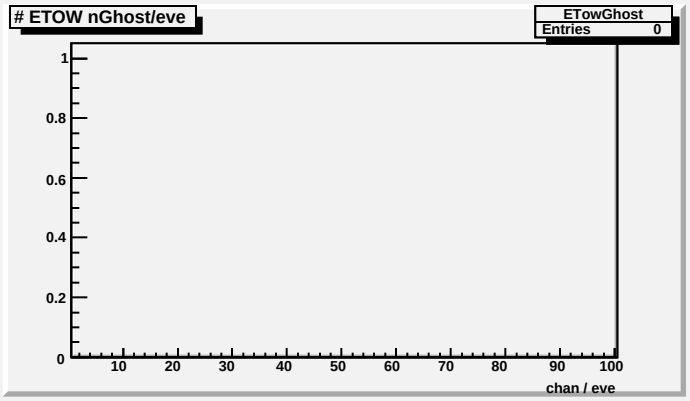

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

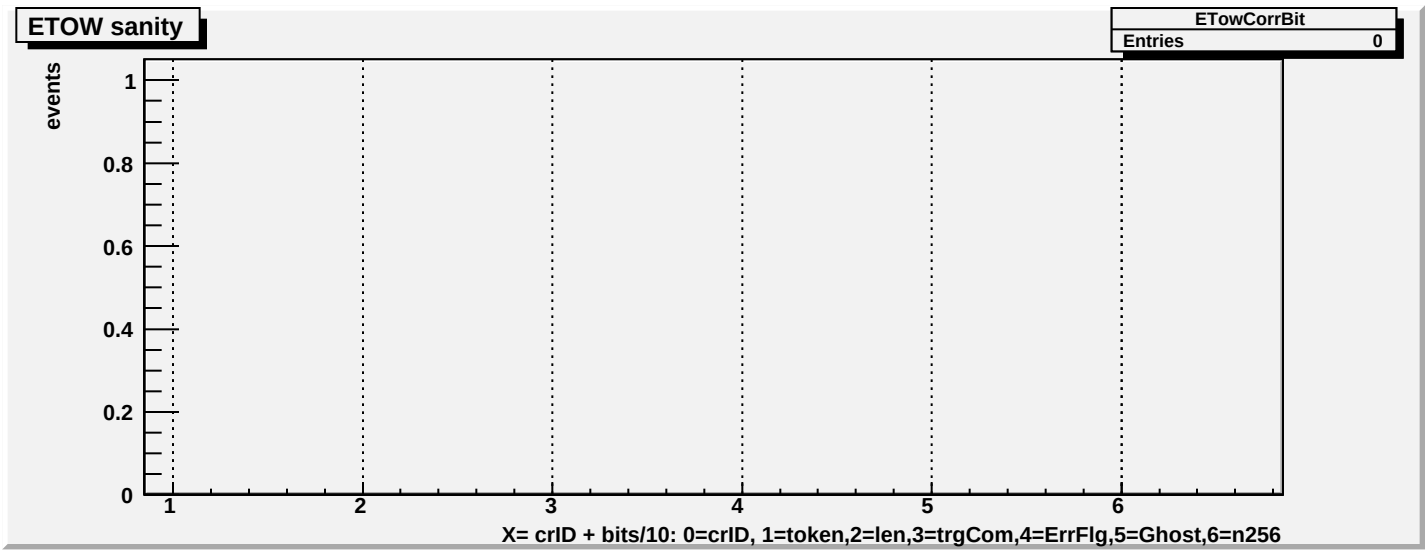
# ETOW head corr
ETowHeadCorr
Entries 0
crates / eve

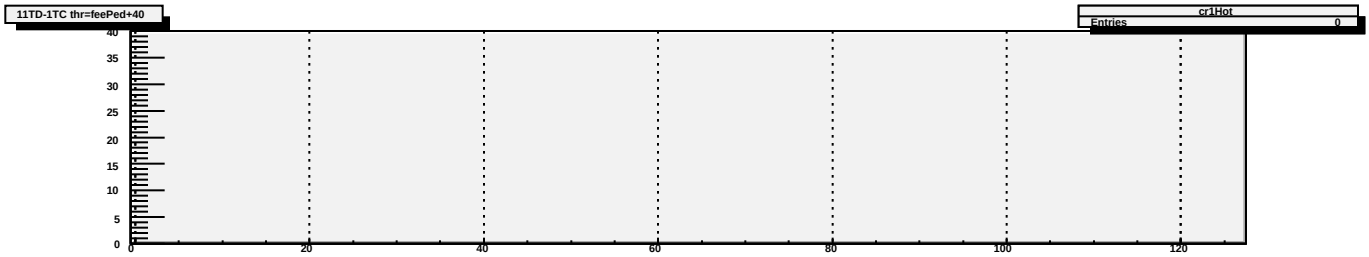

# ETOW OFF
ETowOFF
Entries 0
crates / eve

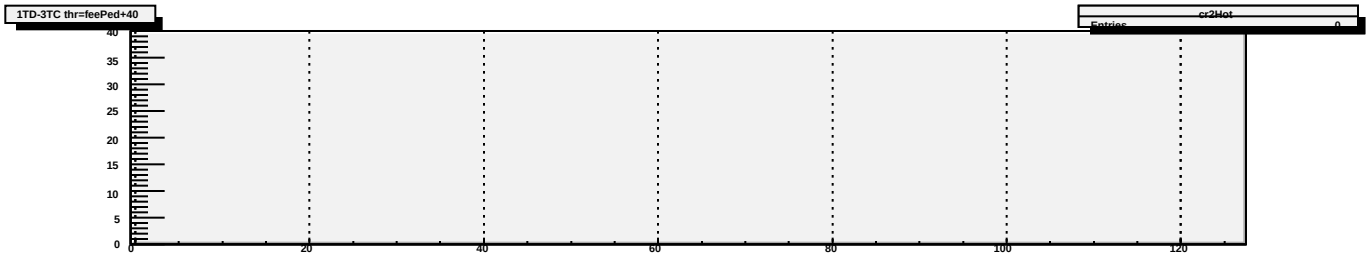

# ETOW n256/eve
ETowN256
Entries 0
chan / eve

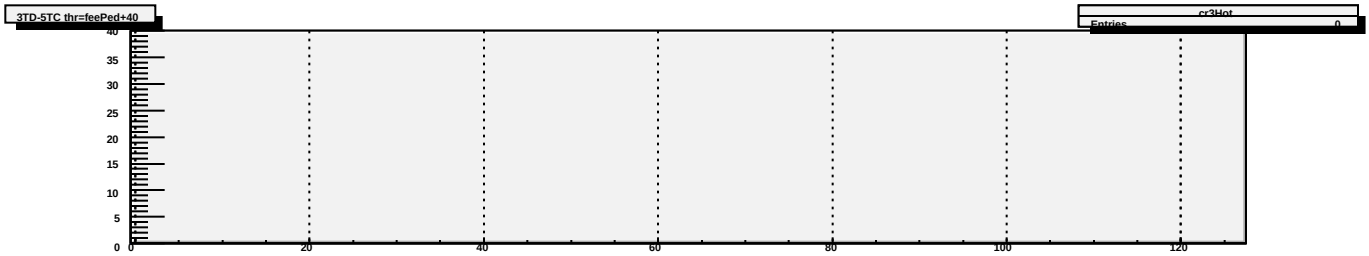

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

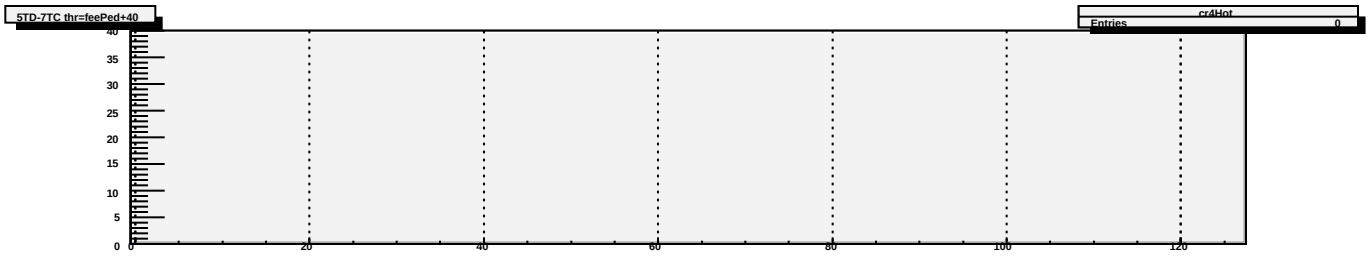

# ETOW nGhost/eve
ETowGhost
Entries 0
chan / eve

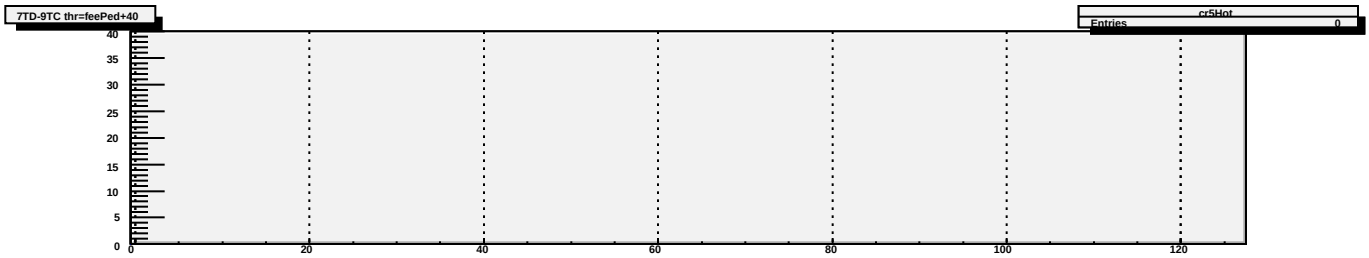

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

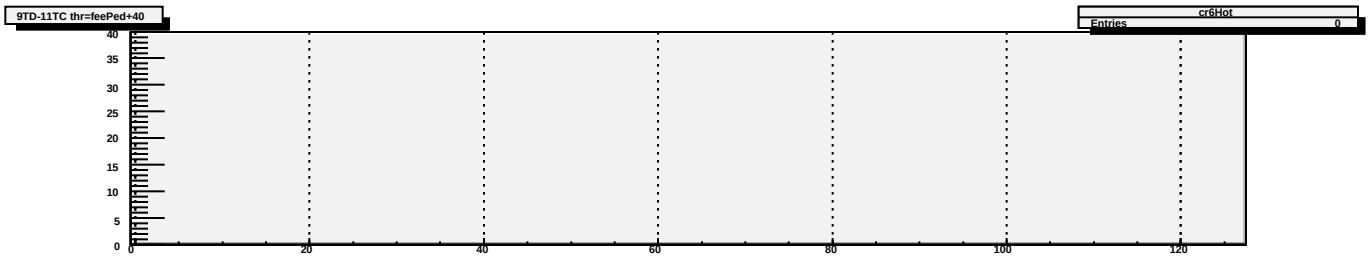

11TD-1TC thr=feePed+40
cr1Hot
Entries 0

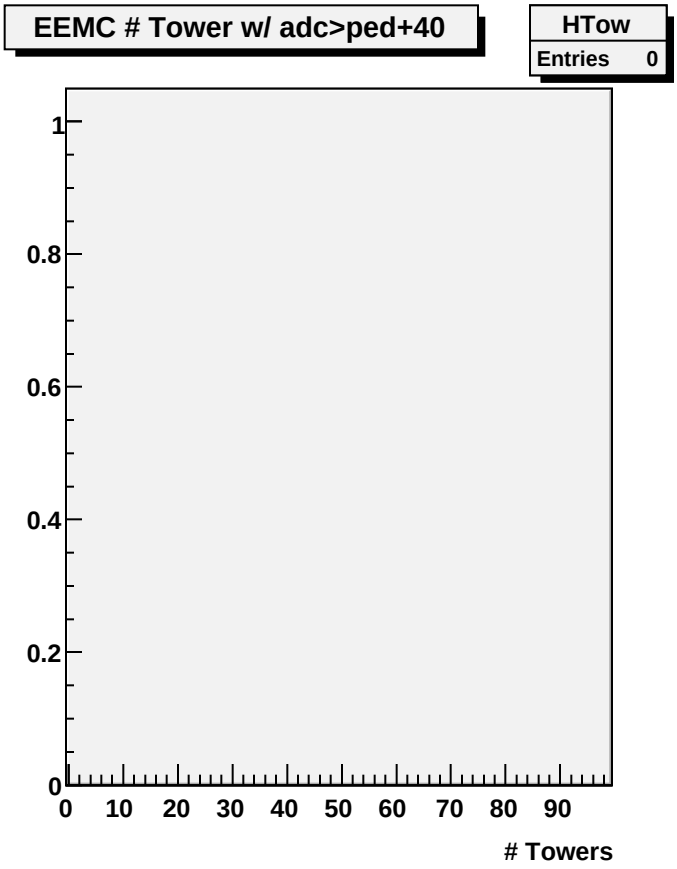

1TD-3TC thr=feePed+40
cr2Hot
Entries 0

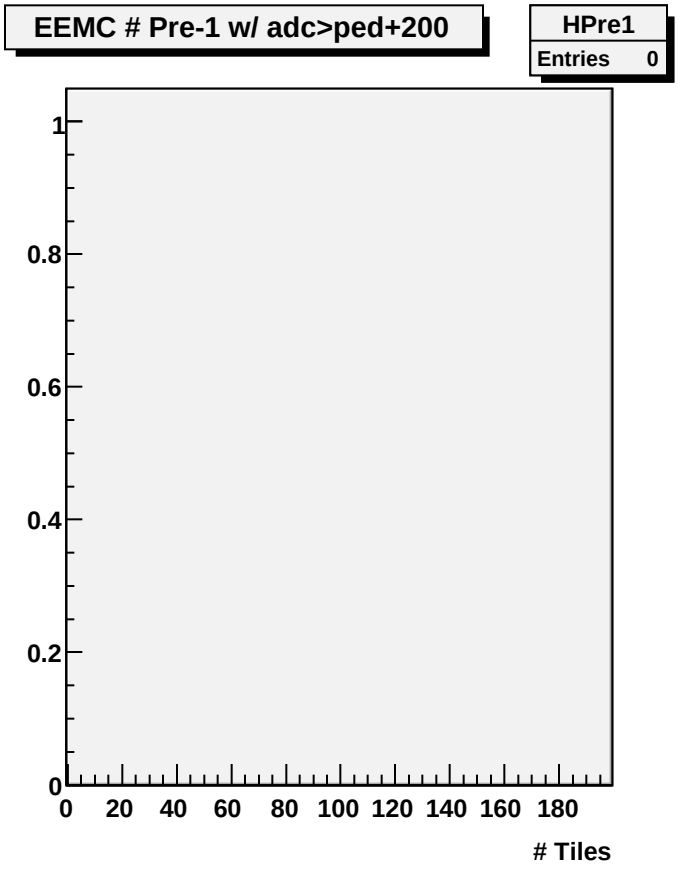

3TD-5TC thr=feePed+40
cr3Hot
Entries 0

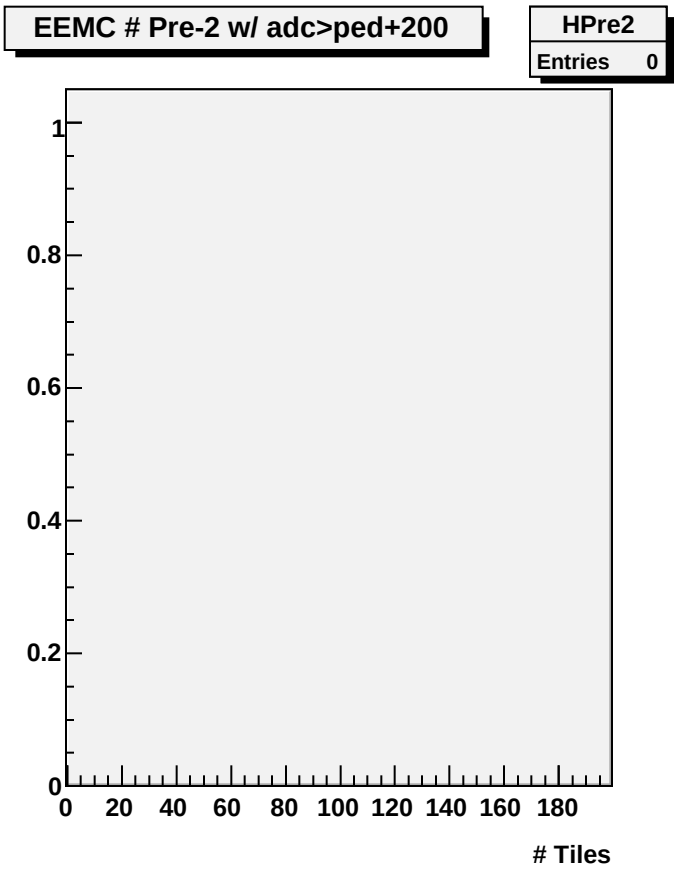

5TD-7TC thr=feePed+40
cr4Hot
Entries 0

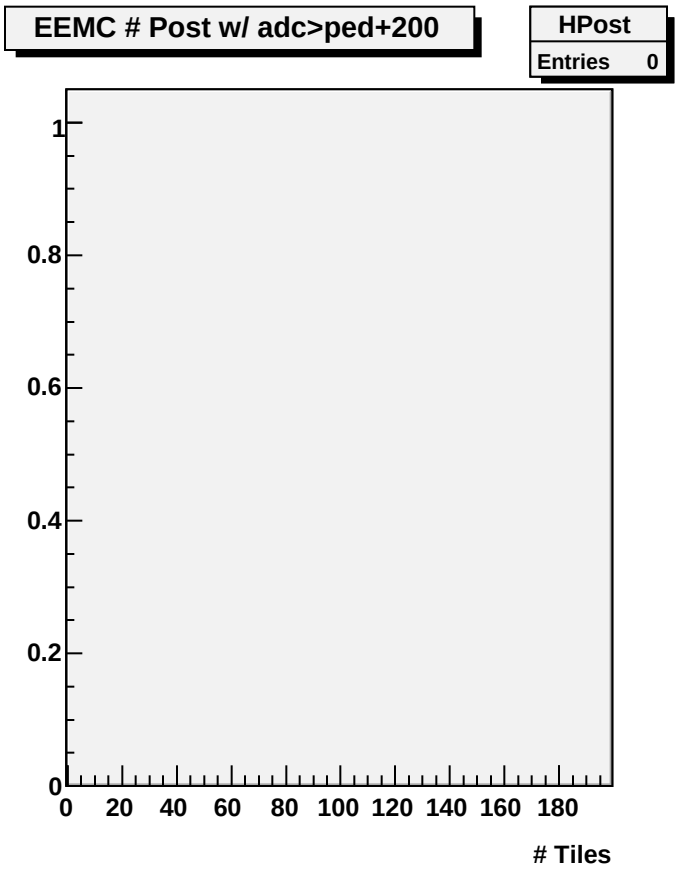

7TD-9TC thr=feePed+40
cr5Hot
Entries 0

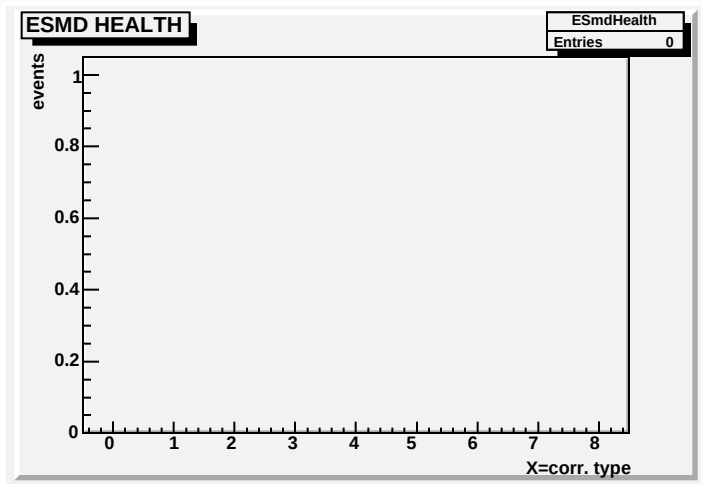

9TD-11TC thr=feePed+40
cr6Hot
Entries 0

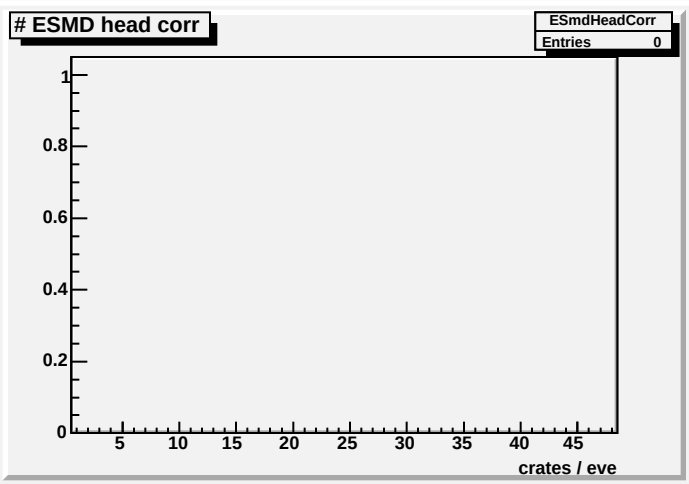

EEMC # Tower w/ adc>ped+40
HTow
Entries 0
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90
# Towers

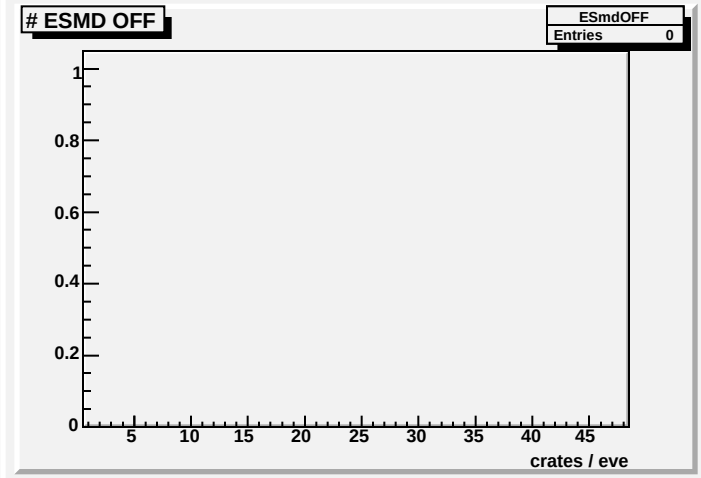

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
# Tiles

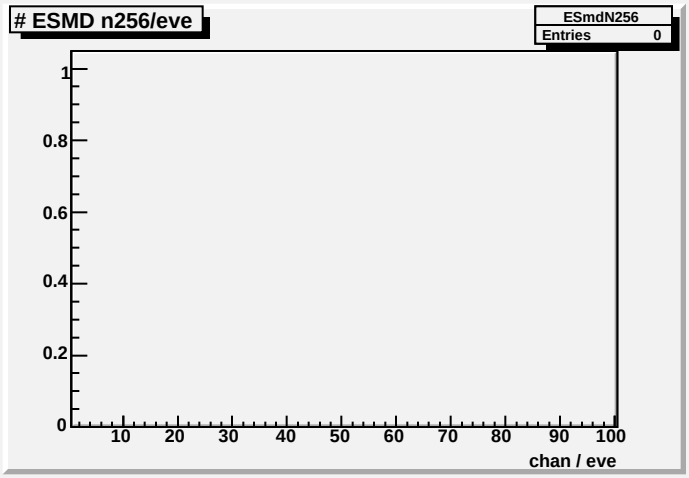

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
# Tiles

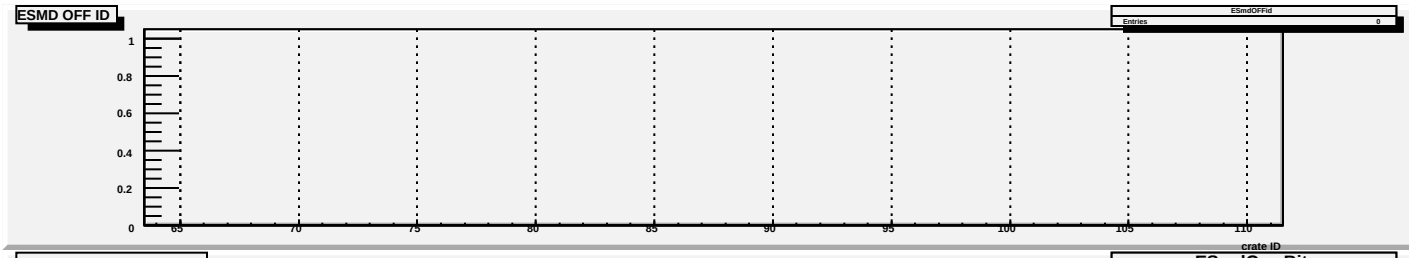

EEMC # Post w/ adc>ped+200
HPost
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
# Tiles

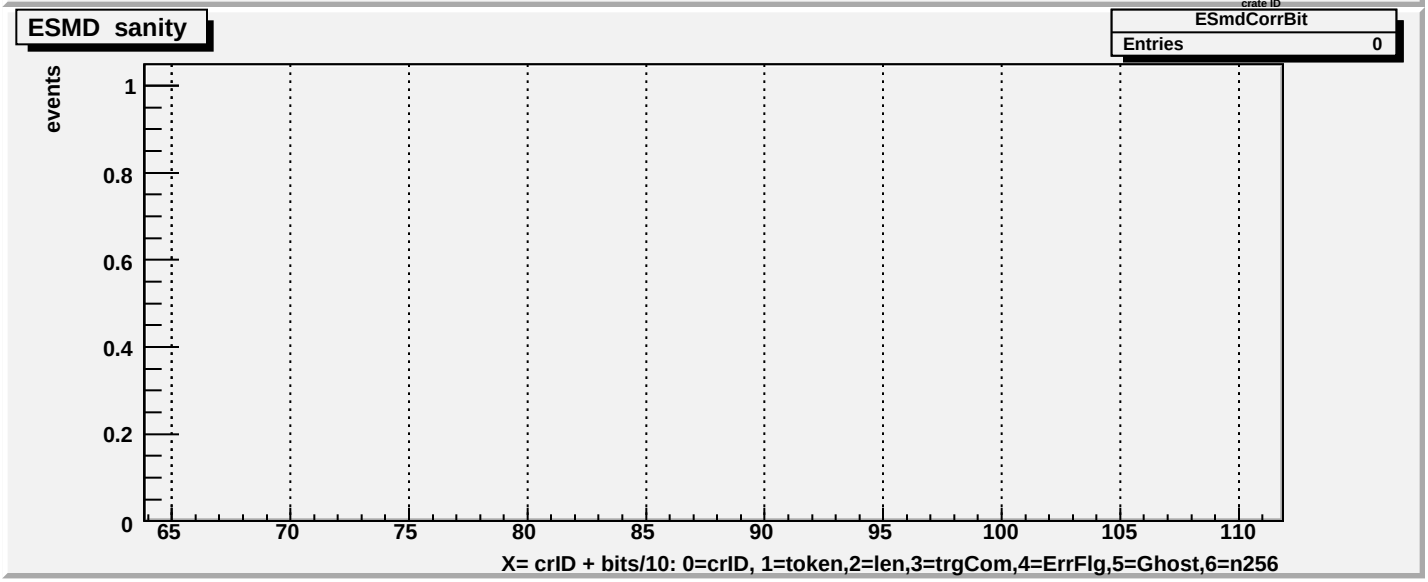

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

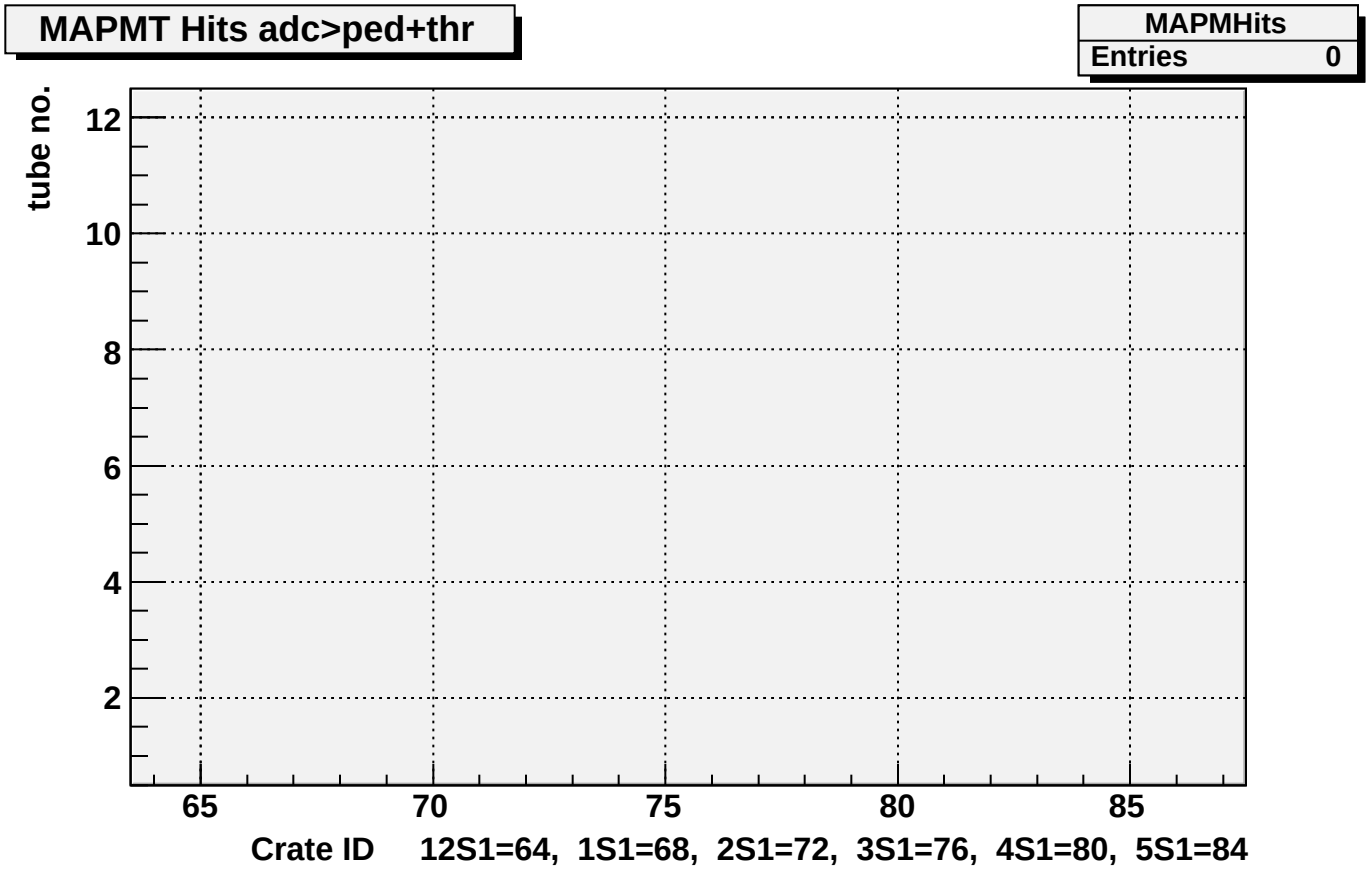

# ESMD head corr
ESmdHeadCorr
Entries 0
crates / eve

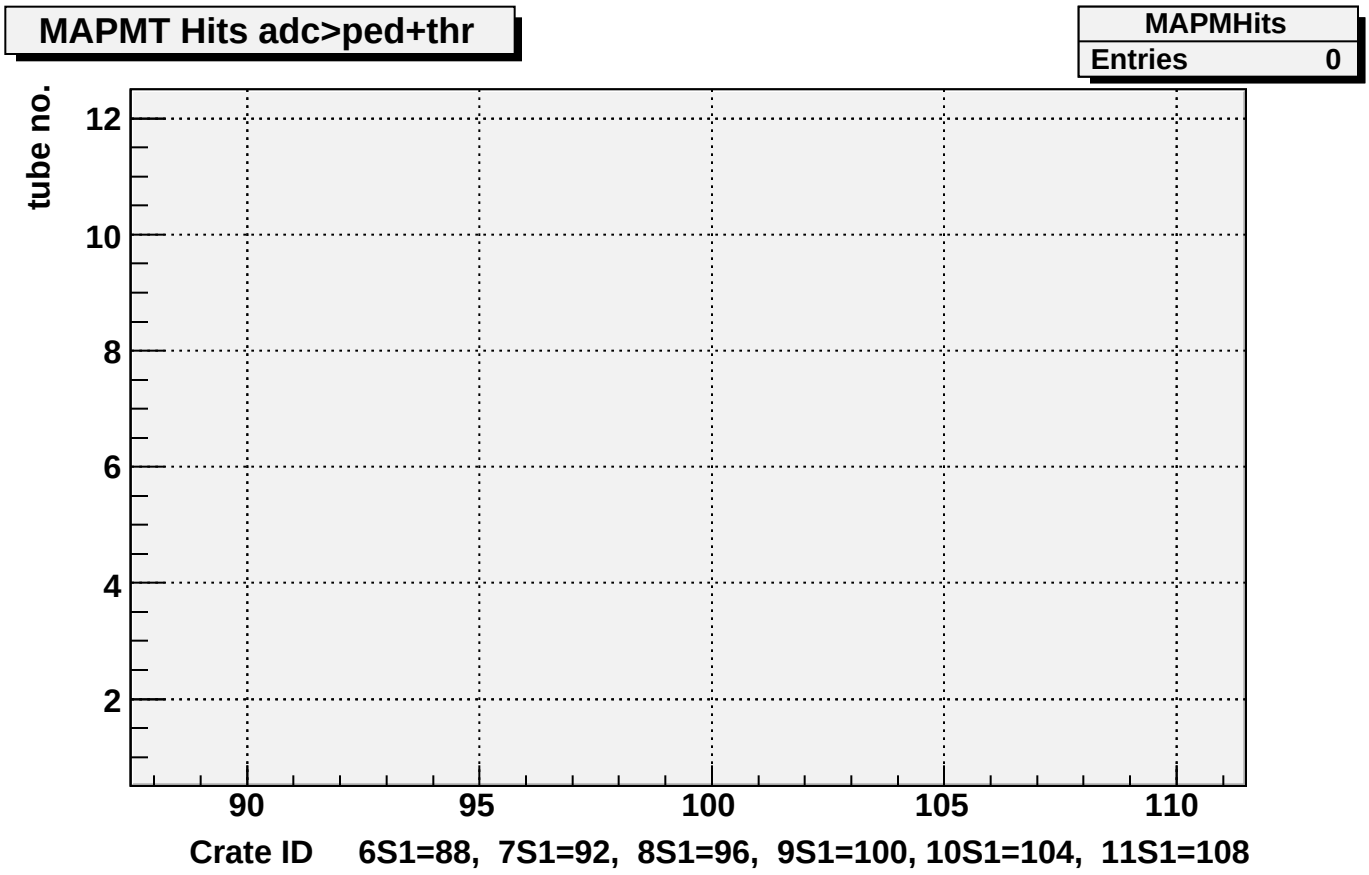

# ESMD OFF
ESmdOFF
Entries 0
crates / eve

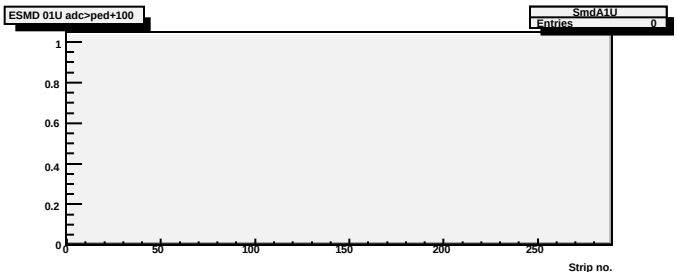

# ESMD n256/eve
ESmdN256
Entries 0
chan / eve

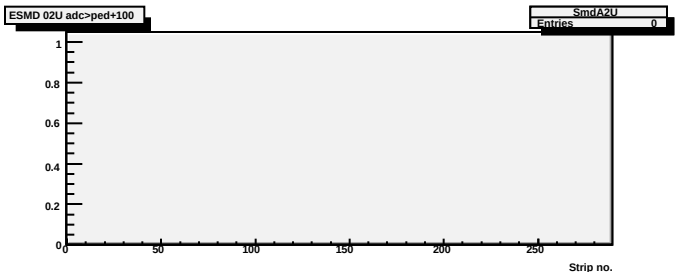

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

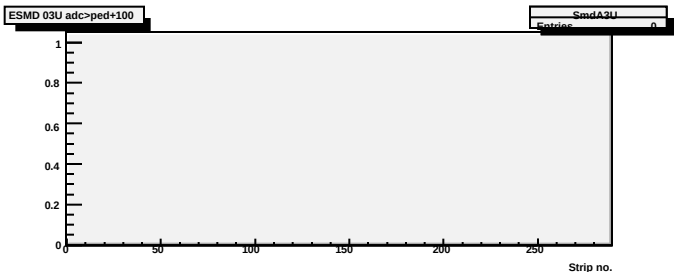

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

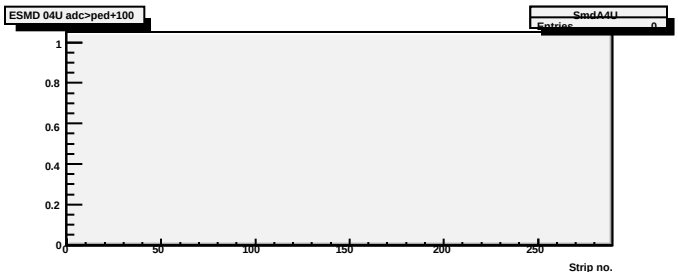

MAPMT Hits adc>ped+thr
MAPMHits
Entries 0
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84

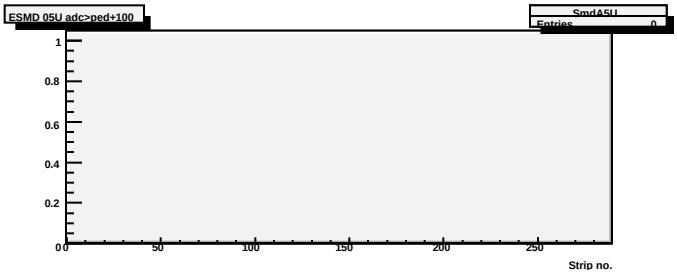

MAPMT Hits adc>ped+thr
MAPMHits
Entries 0
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108

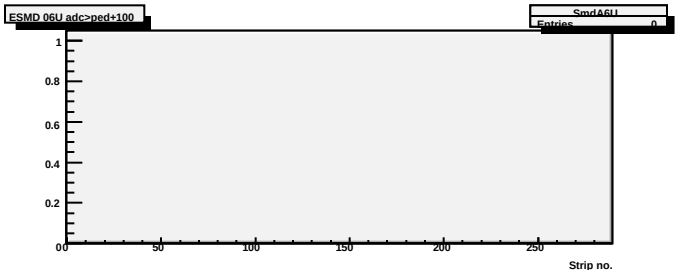

ESMD 01U adc>ped+100
SmdA1U
Entries 0
Strip no.

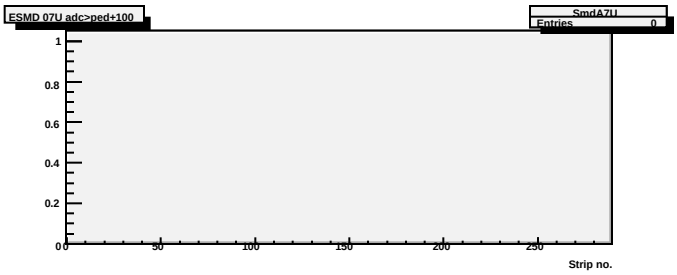

ESMD 02U adc>ped+100
SmdA2U
Entries 0
Strip no.

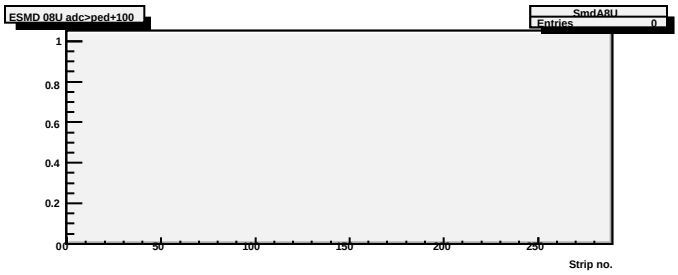

ESMD 03U adc>ped+100
SmdA3U
Entries 0
Strip no.

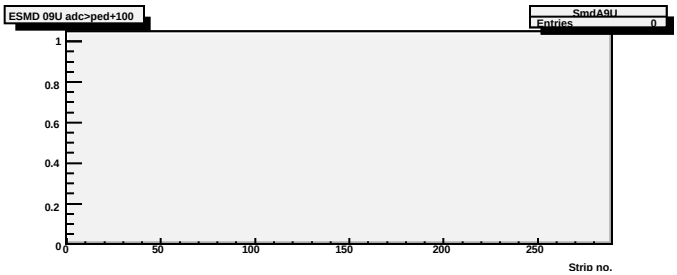

ESMD 04U adc>ped+100
SmdA4U
Entries 0
Strip no.

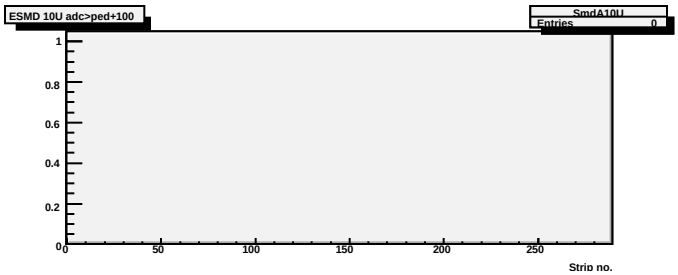

ESMD 05U adc>ped+100
SmdA5U
Entries 0
Strip no.

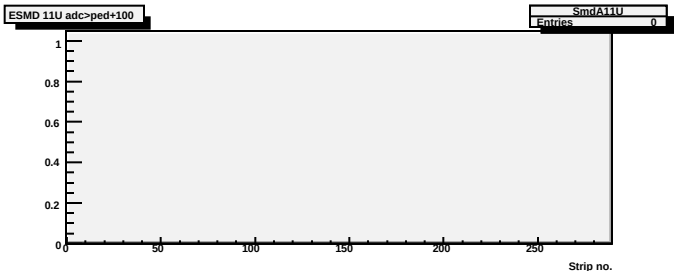

ESMD 06U adc>ped+100
SmdA6U
Entries 0
Strip no.

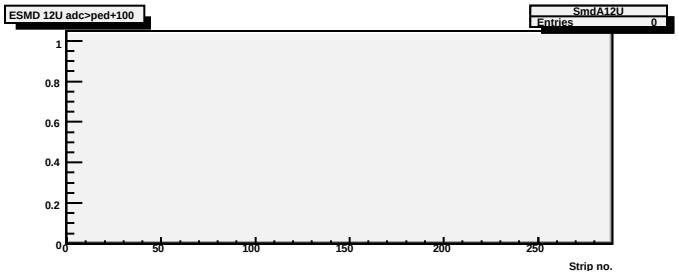

ESMD 07U adc>ped+100
SmdA7U
Entries 0
Strip no.

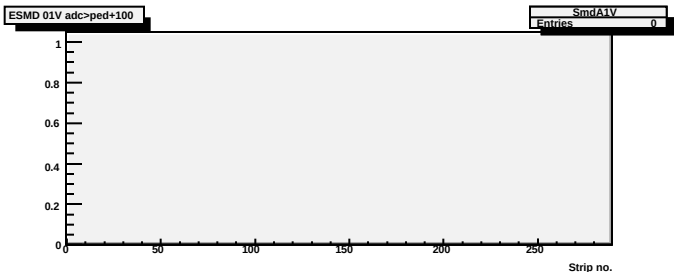

ESMD 08U adc>ped+100
SmdA8U
Entries 0
Strip no.

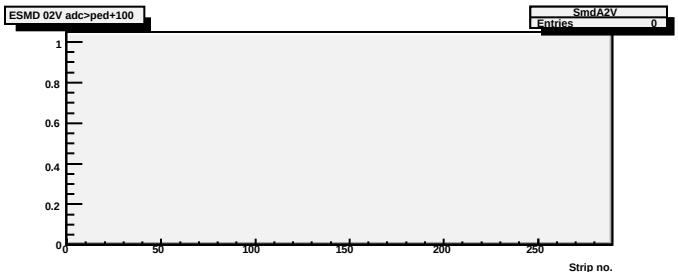

ESMD 09U adc>ped+100
SmdA9U
Entries 0
Strip no.

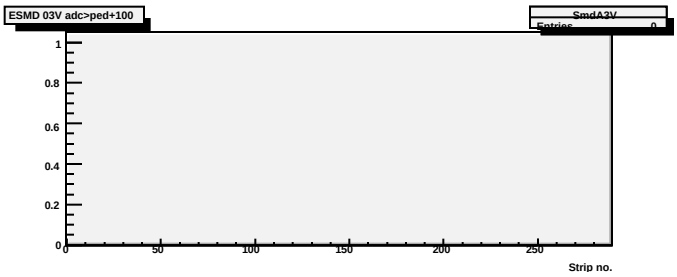

ESMD 10U adc>ped+100
SmdA10U
Entries 0
Strip no.

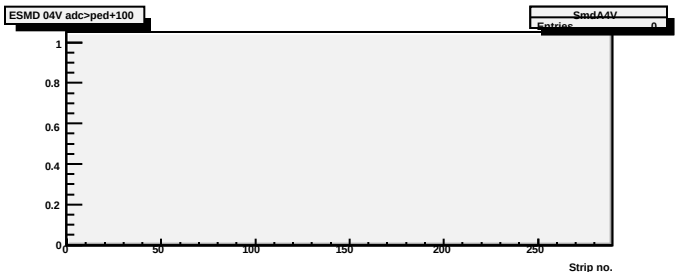

ESMD 11U adc>ped+100
SmdA11U
Entries 0
Strip no.

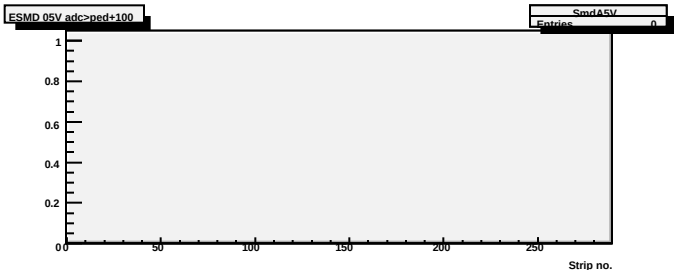

ESMD 12U adc>ped+100
SmdA12U
Entries 0
Strip no.

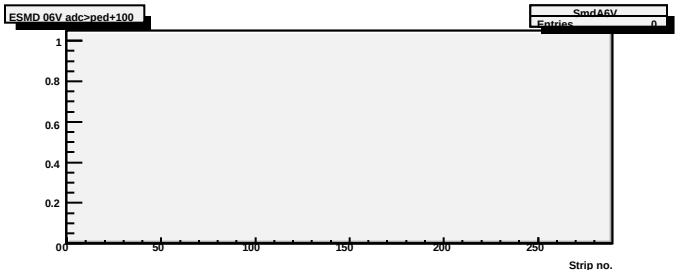

ESMD 01V adc>ped+100
SmdA1V
Entries 0
Strip no.

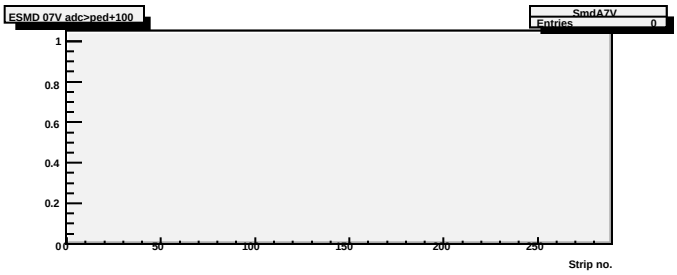

ESMD 02V adc>ped+100
SmdA2V
Entries 0
Strip no.

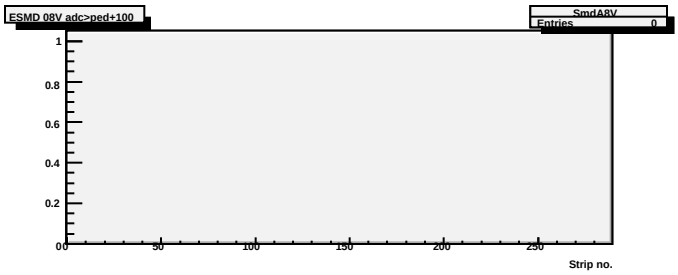

ESMD 03V adc>ped+100
SmdA3V
Entries 0
Strip no.

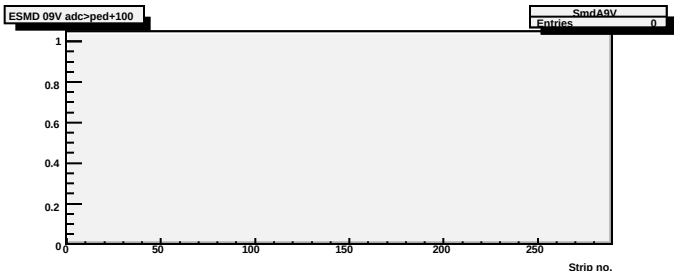

ESMD 04V adc>ped+100
SmdA4V
Entries 0
Strip no.

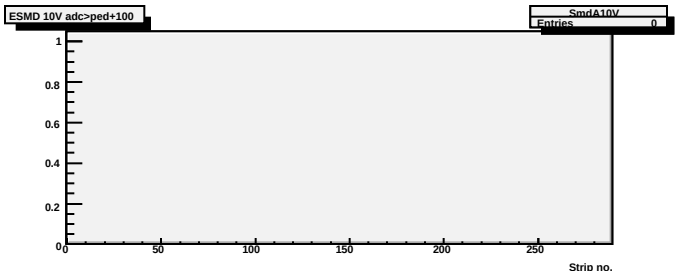

ESMD 05V adc>ped+100
SmdA5V
Entries 0
Strip no.


ESMD 06V adc>ped+100
SmdA6V
Entries 0
Strip no.


ESMD 07V adc>ped+100
SmdA7V
Entries 0
Strip no.


ESMD 08V adc>ped+100
SmdA8V
Entries 0
Strip no.


ESMD 09V adc>ped+100
SmdA9V
Entries 0
Strip no.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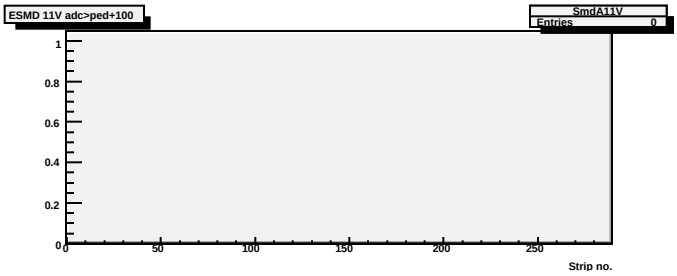
Strip no.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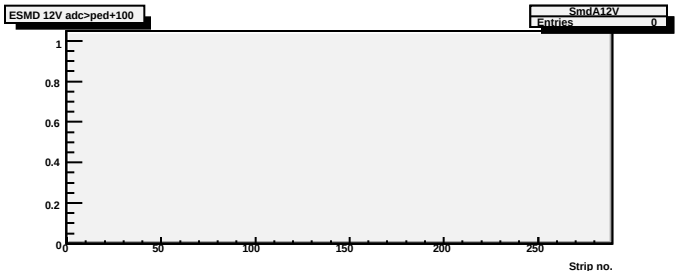
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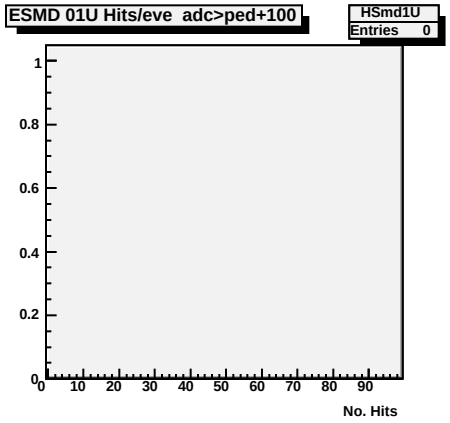
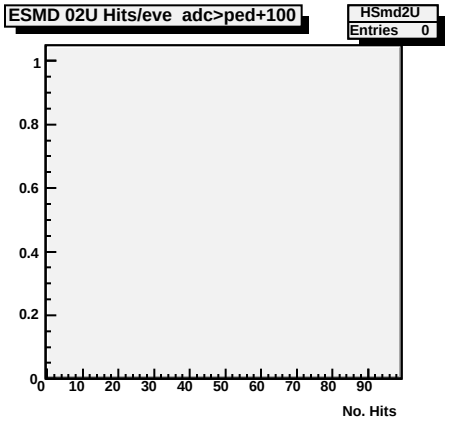
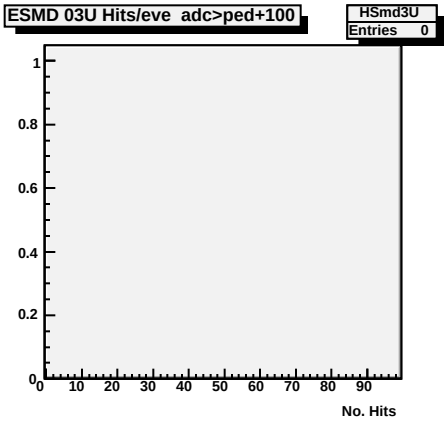
Strip no.


ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 0
No. Hits


ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 0
No. Hits


ESMD 03U Hits/eve adc>ped+100
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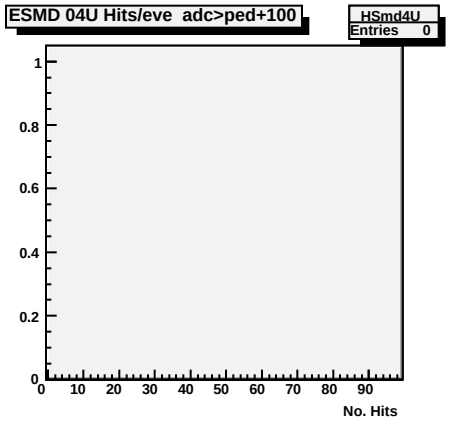
No. Hits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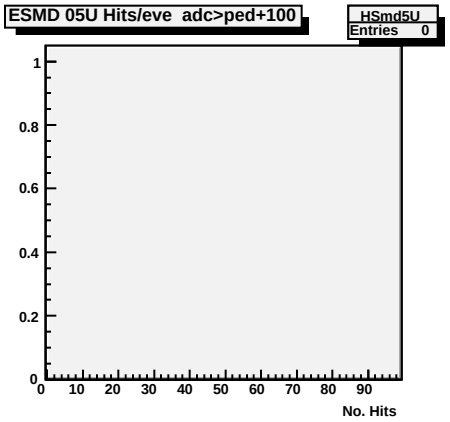
No. Hits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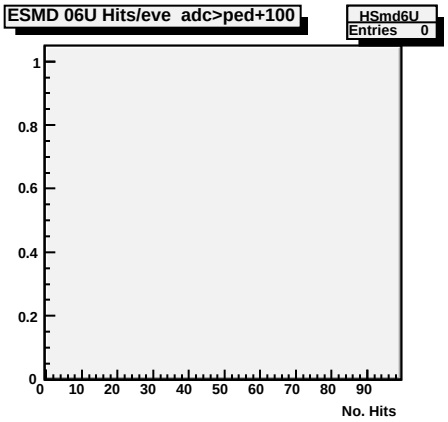
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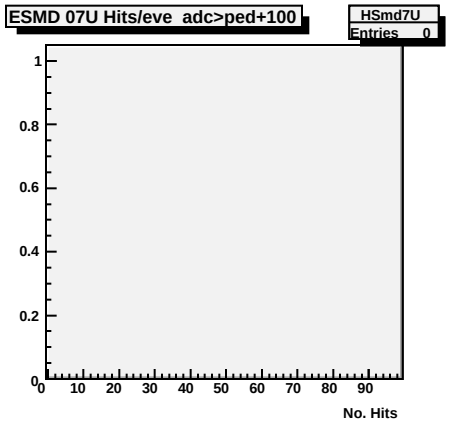
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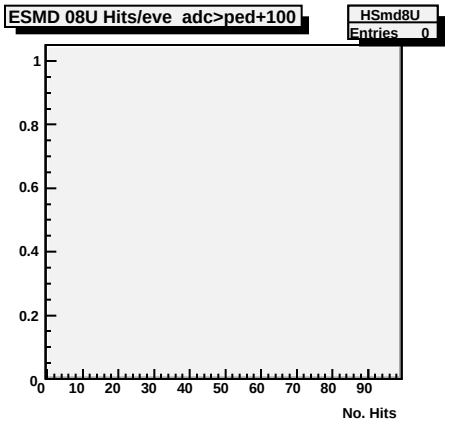
No. Hits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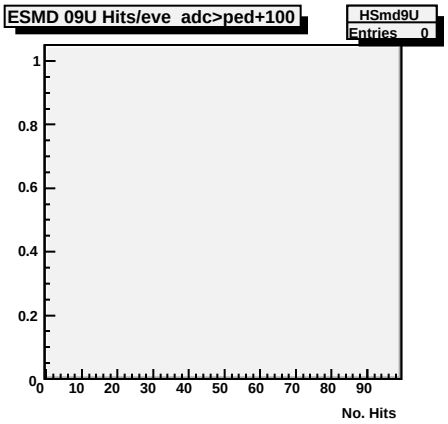
Entries 0
No. Hits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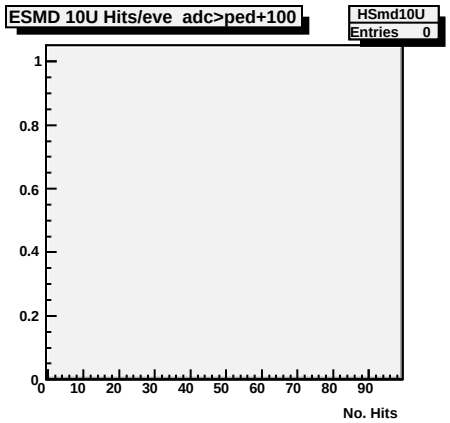
No. Hits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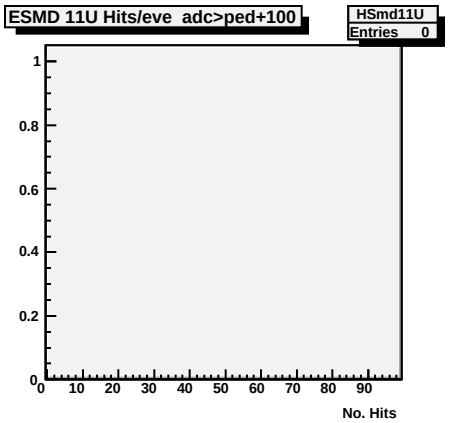
Entries 0
No. Hits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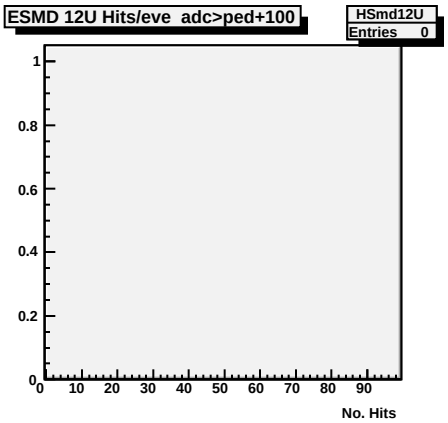
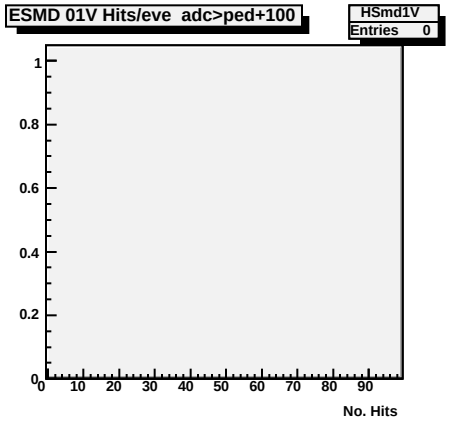
Entries 0
No. Hits


ESMD 12U Hits/eve adc>ped+100
HSmd12U
Entries 0
No. Hits


ESMD 01V Hits/eve adc>ped+100
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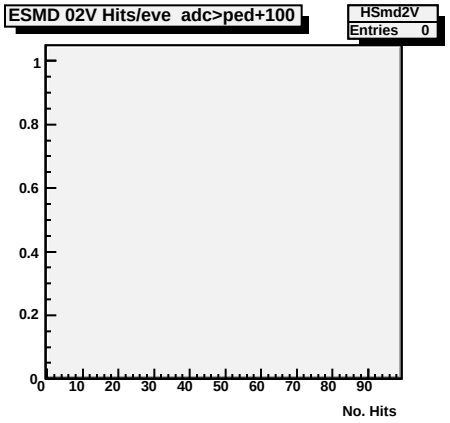
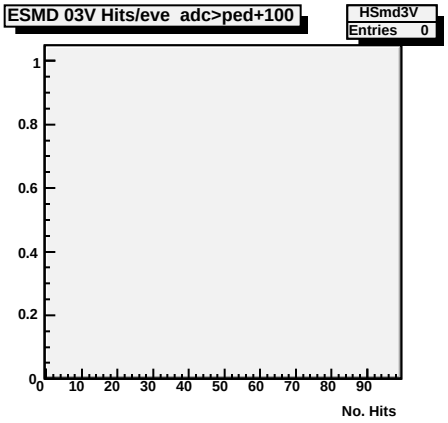
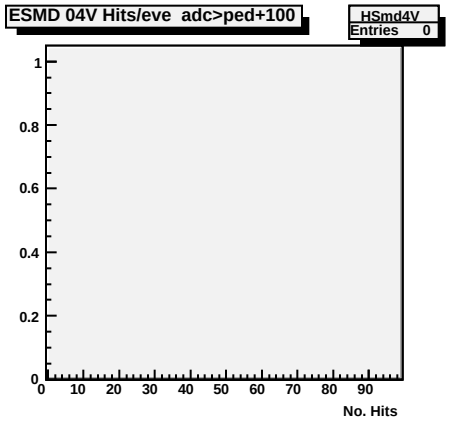
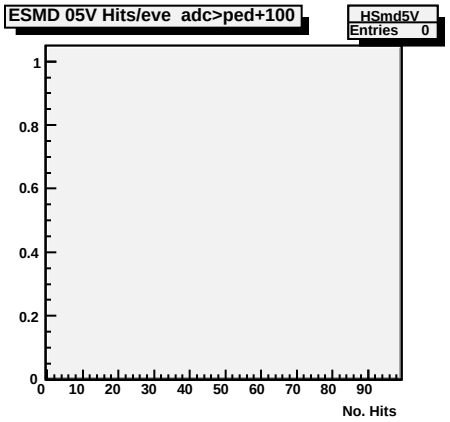
Entries 0
No. Hits


ESMD 02V Hits/eve adc>ped+100
HSmd2V
Entries 0
No. Hits


ESMD 03V Hits/eve adc>ped+100
HSmd3V
Entries 0
No. Hits


ESMD 04V Hits/eve adc>ped+100
HSmd4V
Entries 0
No. Hits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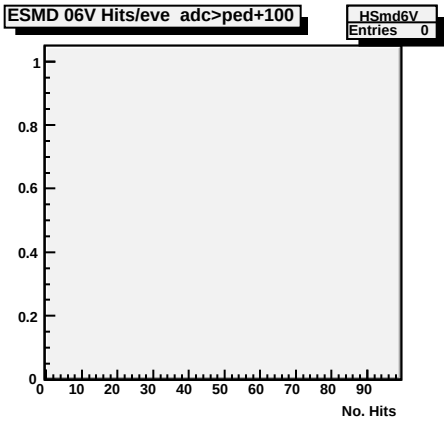
HSmd5V
Entries 0
No. Hits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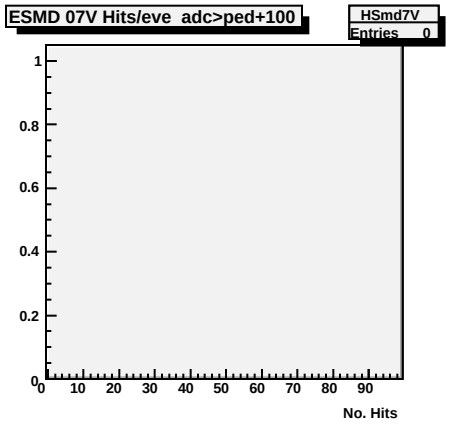
No. Hits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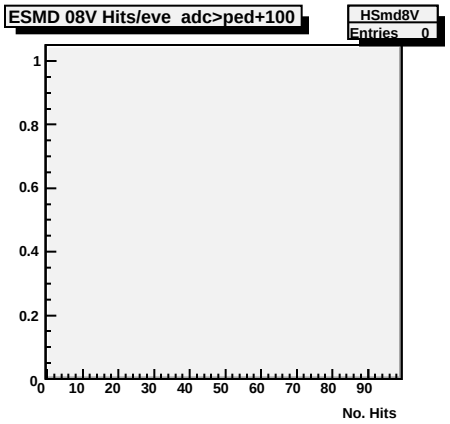
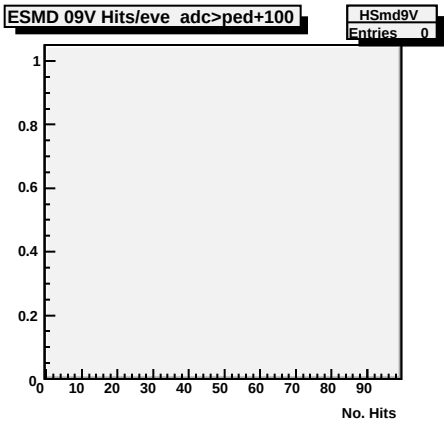

ESMD 08V Hits/eve adc>ped+100
HSmd8V
Entries 0
No. Hits


ESMD 09V Hits/eve adc>ped+100
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Entries 0
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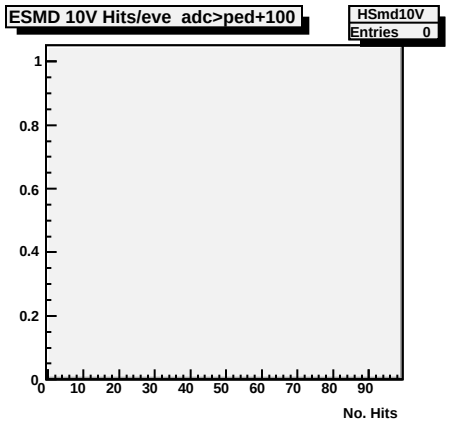
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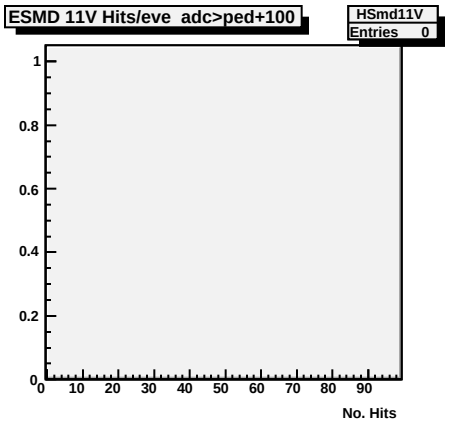
No. Hits


ESMD 11V Hits/eve adc>ped+100
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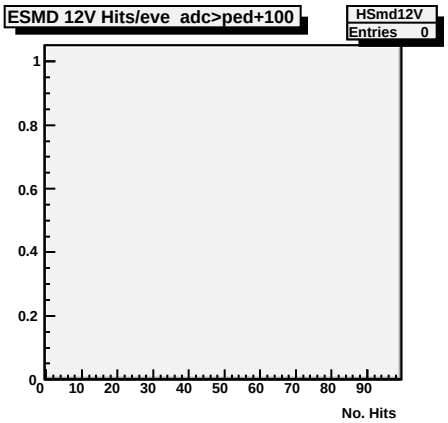
Entries 0
No. Hits


ESMD 12V Hits/eve adc>ped+100
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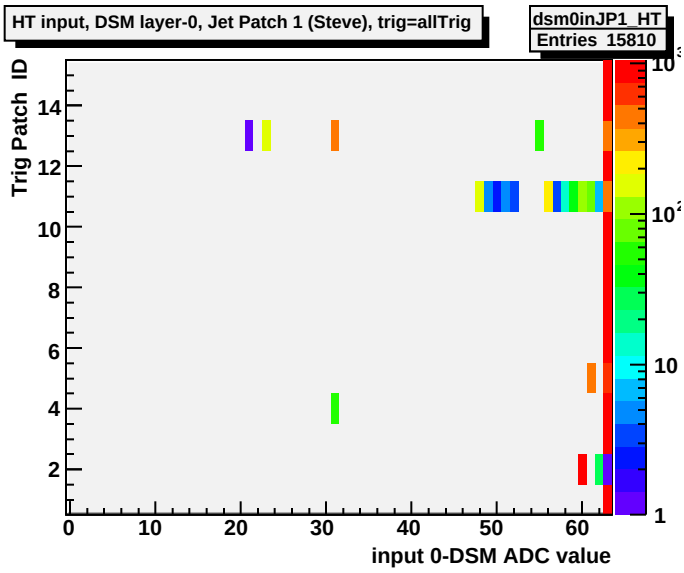
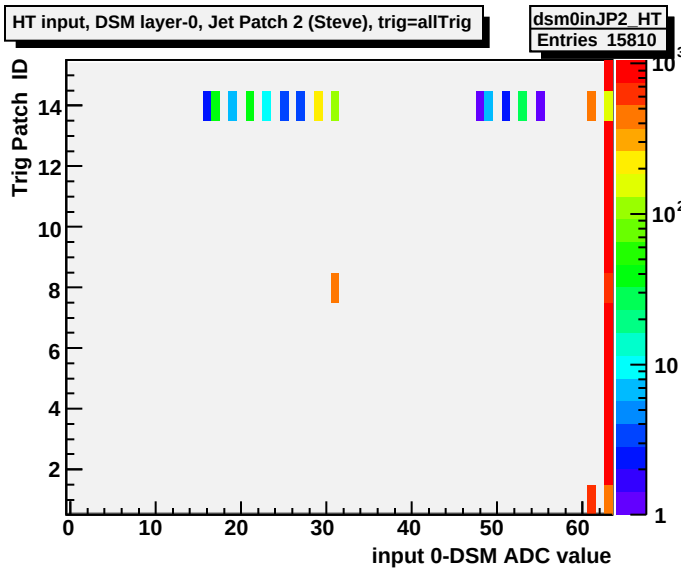
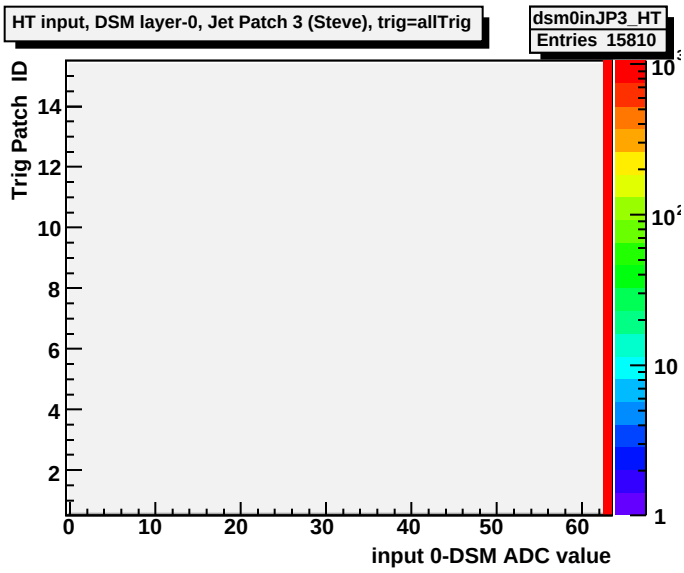
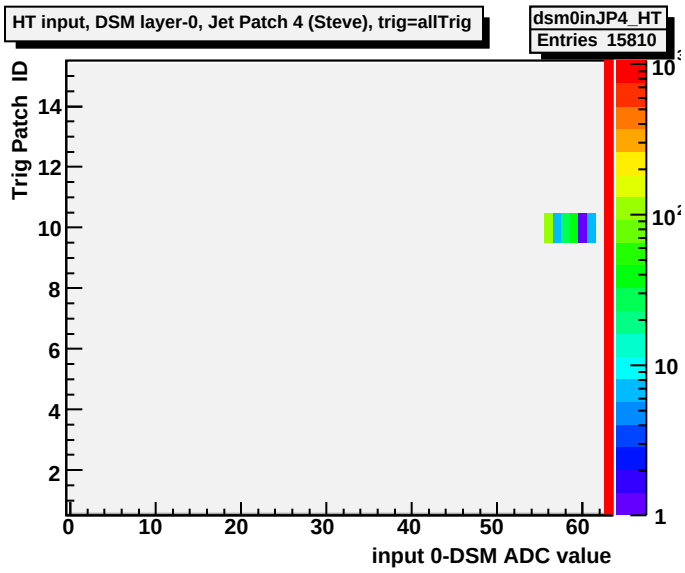
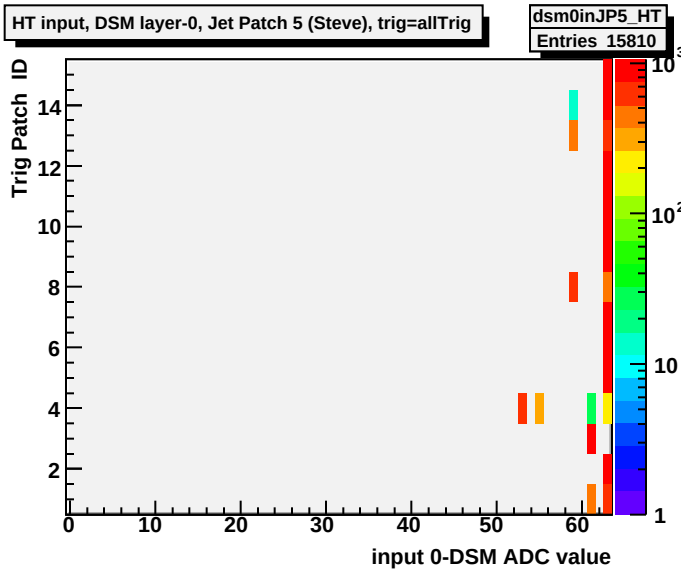
Entries 0
No. Hits

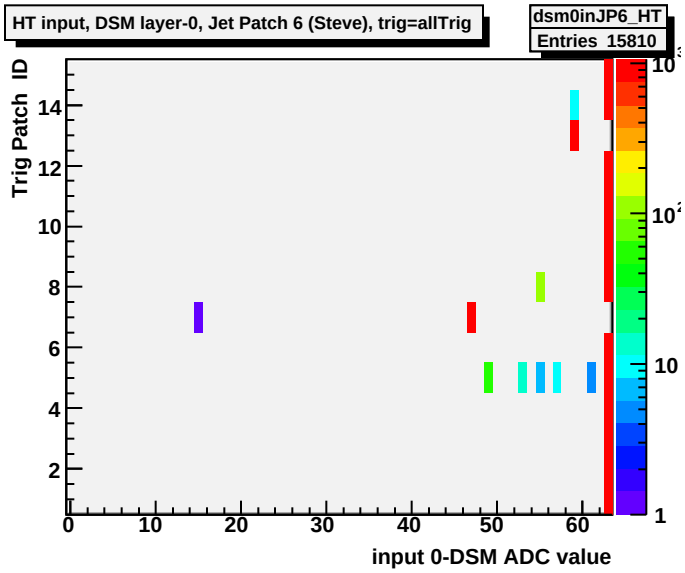

HT input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_HT
Entries 15810
Trig Patch ID
input 0-DSM ADC value

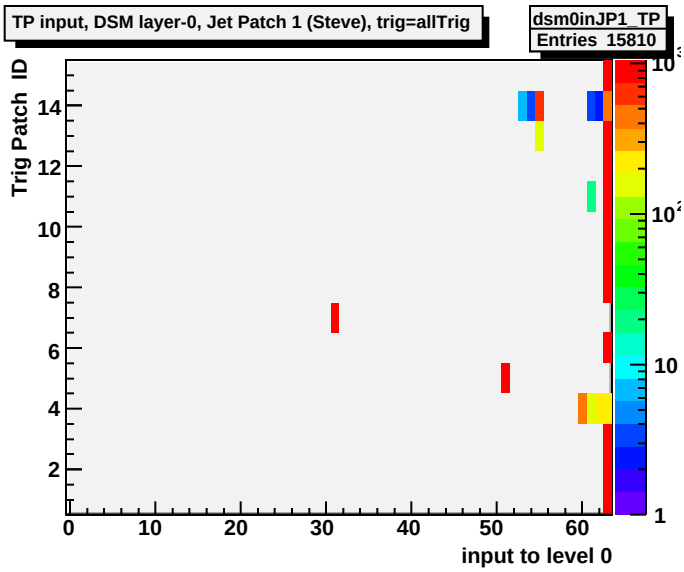

HT input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_HT
Entries 15810
Trig Patch ID
input 0-DSM ADC value

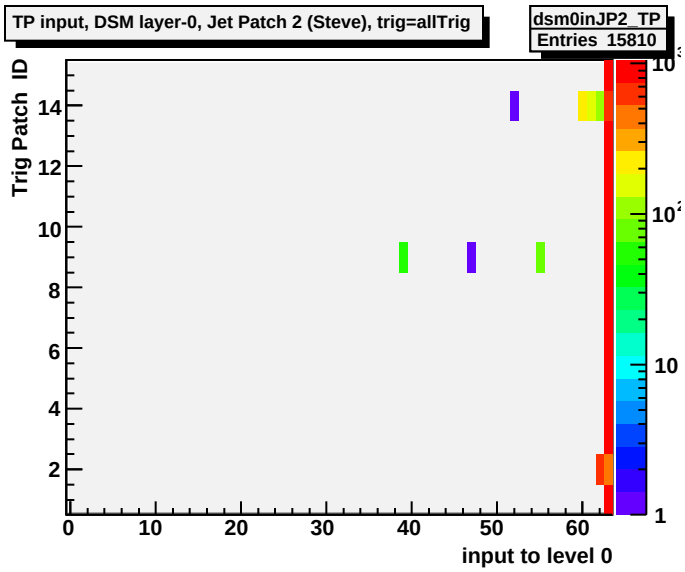

HT input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_HT
Entries 15810
Trig Patch ID
input 0-DSM ADC value

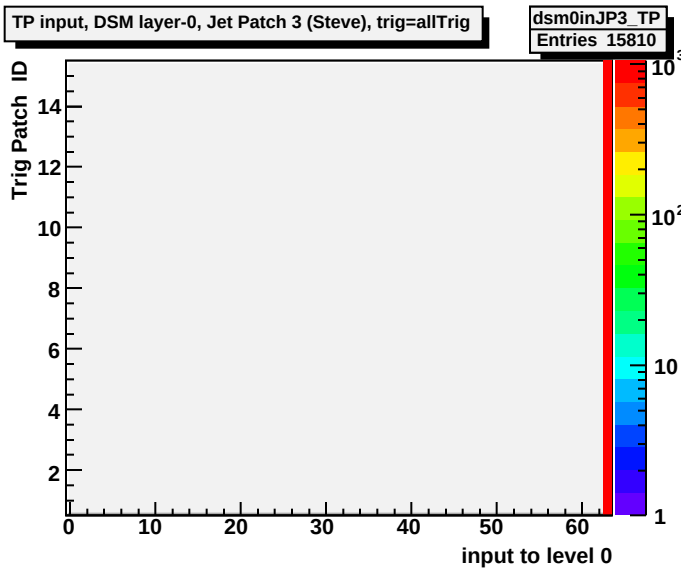

HT input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_HT
Entries 15810
Trig Patch ID
input 0-DSM ADC value

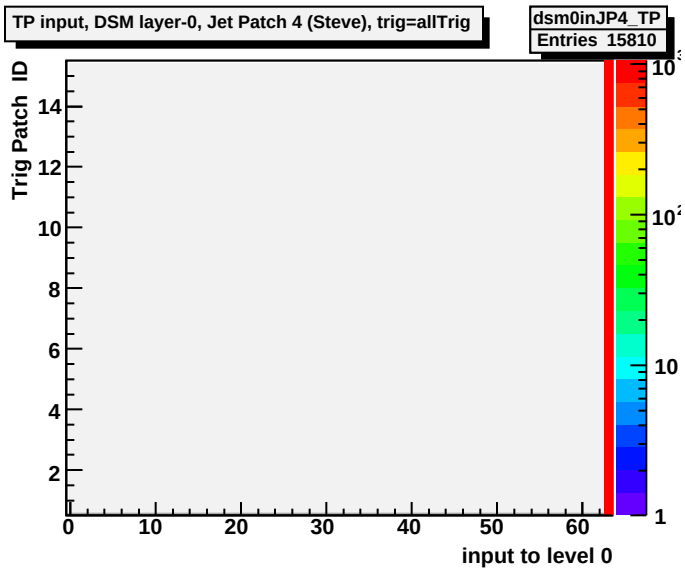

HT input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_HT
Entries 15810
Trig Patch ID
input 0-DSM ADC value

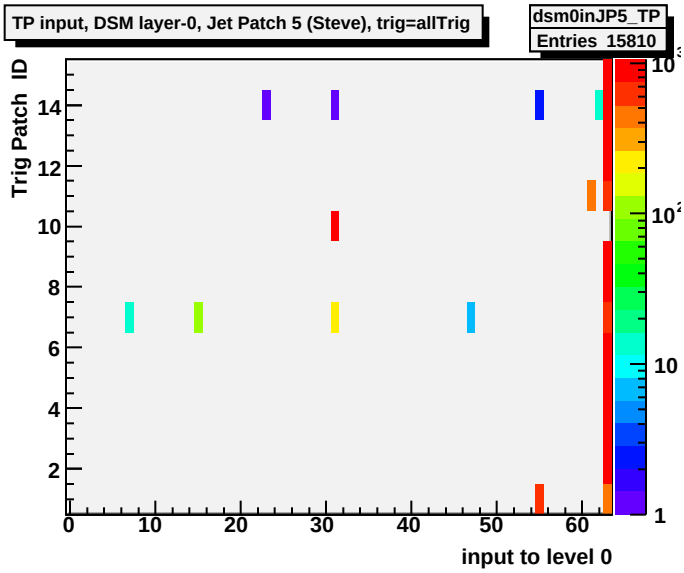

HT input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_HT
Entries 15810
Trig Patch ID
input 0-DSM ADC value

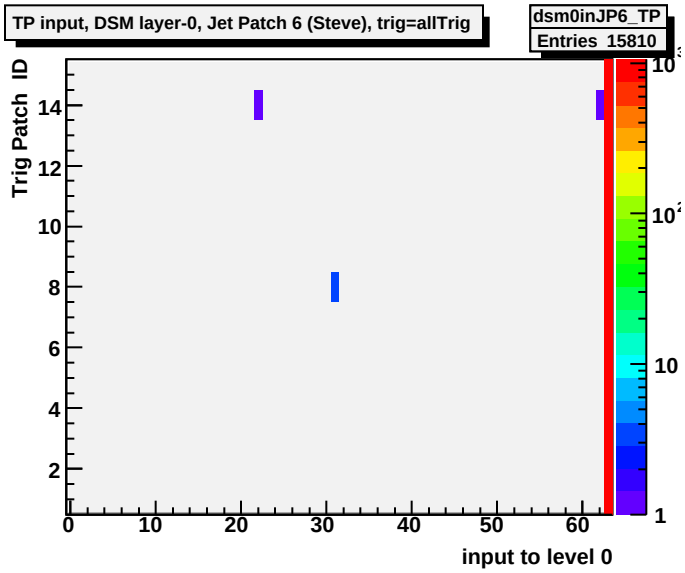

TP input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_TP
Entries 15810
Trig Patch ID
input to level 0

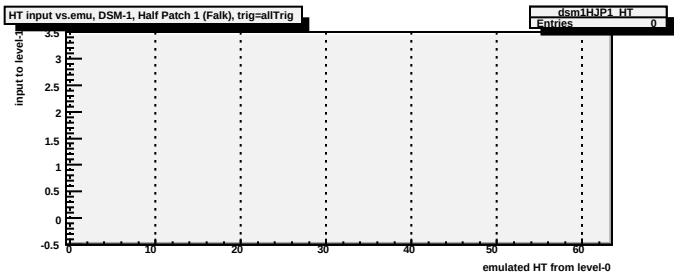

TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_TP
Entries 15810
Trig Patch ID
input to level 0

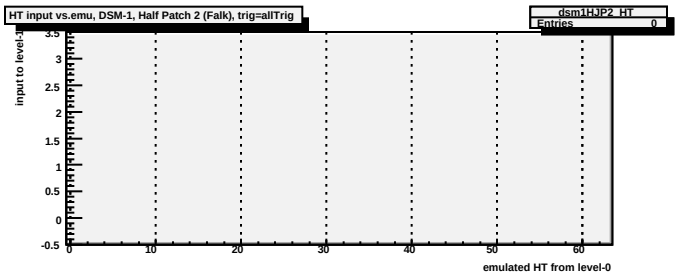

TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_TP
Entries 15810
Trig Patch ID
input to level 0

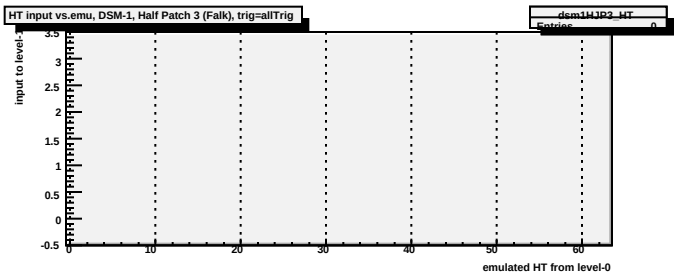

TP input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_TP
Entries 15810
Trig Patch ID
input to level 0

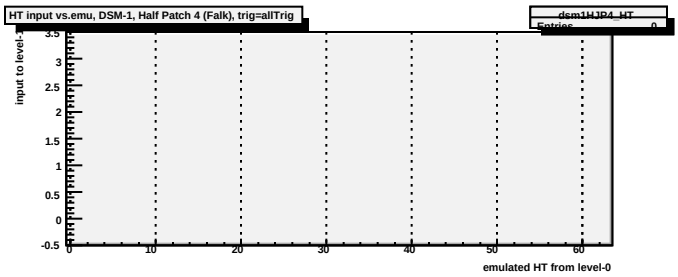

TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 15810
Trig Patch ID
input to level 0

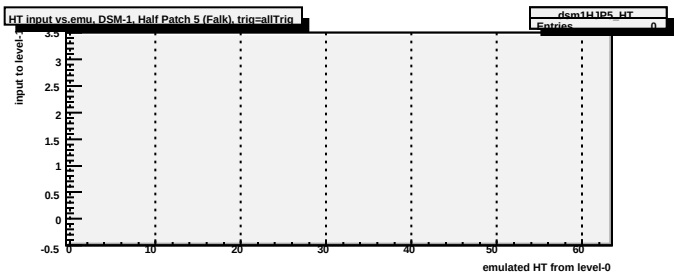

TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_TP
Entries 15810
Trig Patch ID
input to level 0

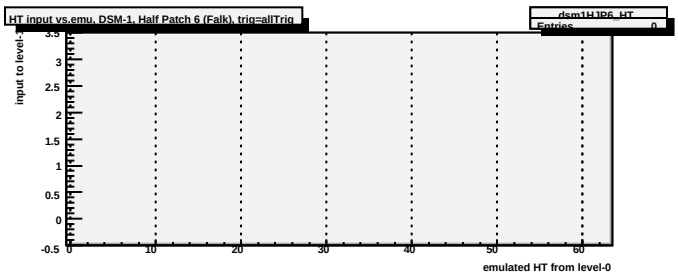

HT input vs.emu, DSM-1, Half Patch 1 (Falk), trig=allTrig
dsm1HJP1_HT
Entries 0
input to level-1
emulated HT from level-0

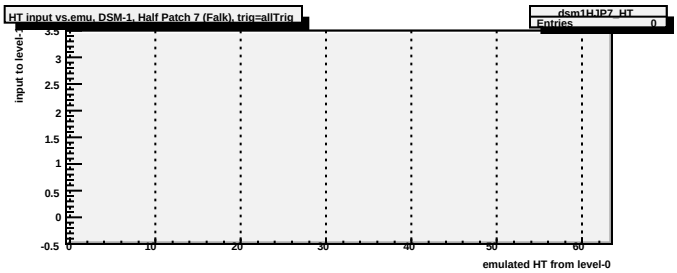

HT input vs.emu, DSM-1, Half Patch 2 (Falk), trig=allTrig
dsm1HJP2_HT
Entries 0
input to level-1
emulated HT from level-0

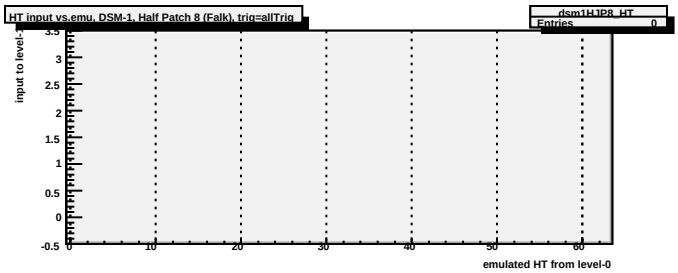

HT input vs.emu, DSM-1, Half Patch 3 (Falk), trig=allTrig
dsm1HJP3_HT
Entries 0
input to level-1
emulated HT from level-0

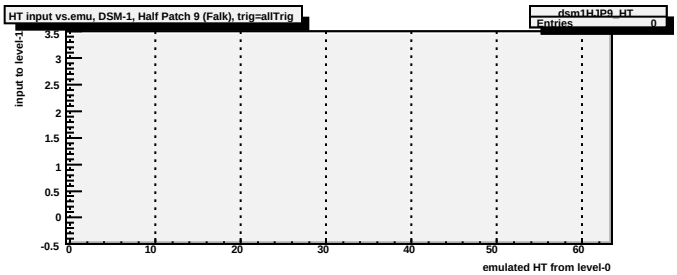

HT input vs.emu, DSM-1, Half Patch 4 (Falk), trig=allTrig
dsm1HJP4_HT
Entries 0
input to level-1
emulated HT from level-0

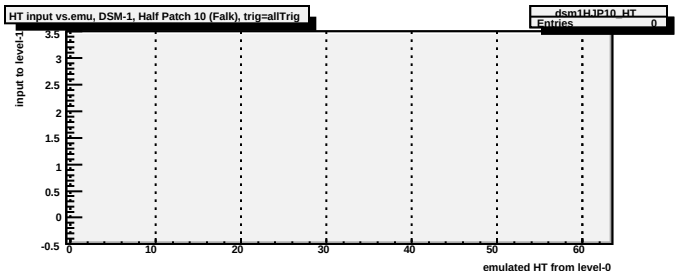

HT input vs.emu, DSM-1, Half Patch 5 (Falk), trig=allTrig
dsm1HJP5_HT
Entries 0
input to level-1
emulated HT from level-0

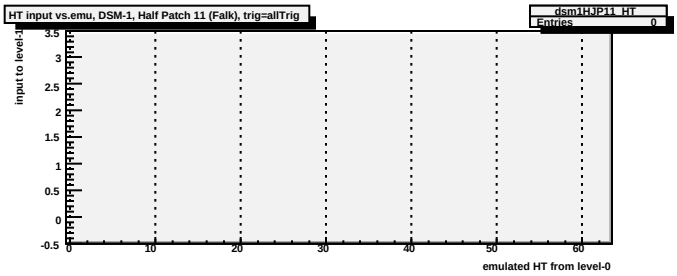

HT input vs.emu, DSM-1, Half Patch 6 (Falk), trig=allTrig
dsm1HJP6_HT
Entries 0
input to level-1
emulated HT from level-0

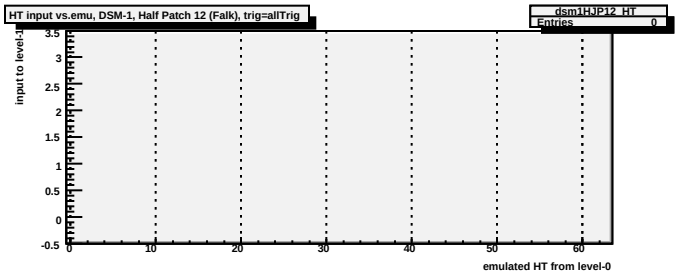

HT input vs.emu, DSM-1, Half Patch 7 (Falk), trig=allTrig
dsm1HJP7_HT
Entries 0
input to level-1
emulated HT from level-0

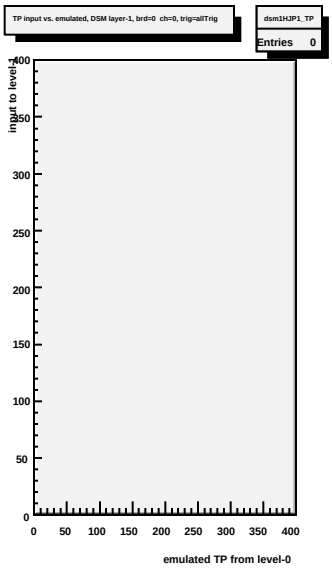

HT input vs.emu, DSM-1, Half Patch 8 (Falk), trig=allTrig
dsm1HJP8_HT
Entries 0
input to level-1
emulated HT from level-0

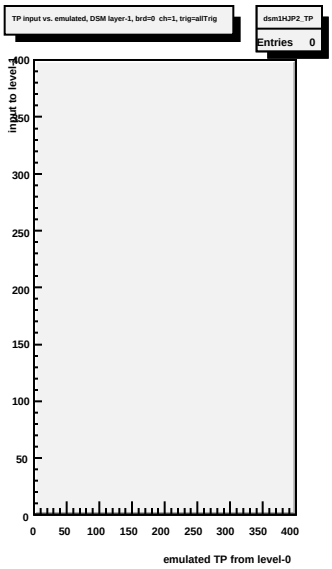

HT input vs.emu, DSM-1, Half Patch 9 (Falk), trig=allTrig
dsm1HJP9_HT
Entries 0
input to level-1
emulated HT from level-0

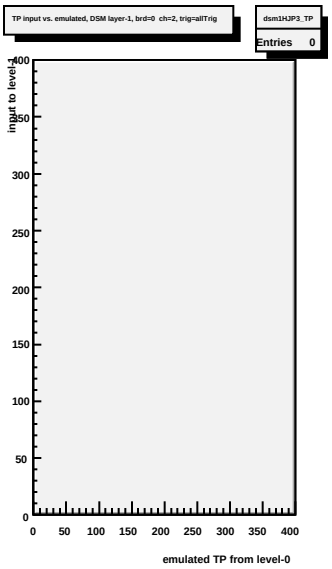

HT input vs.emu, DSM-1, Half Patch 10 (Falk), trig=allTrig
dsm1HJP10_HT
Entries 0
input to level-1
emulated HT from level-0

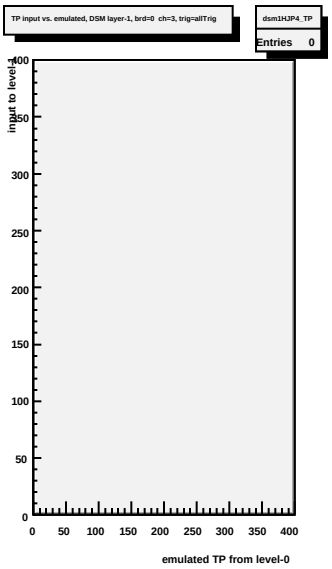

HT input vs.emu, DSM-1, Half Patch 11 (Falk), trig=allTrig
dsm1HJP11_HT
Entries 0
input to level-1
emulated HT from level-0

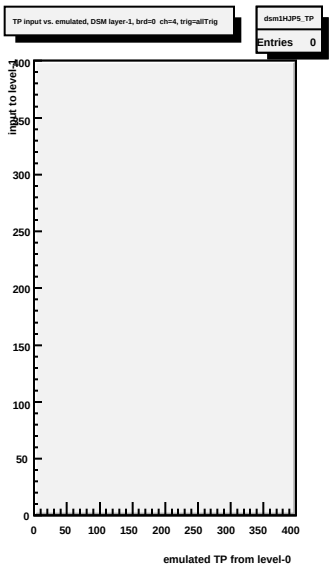

HT input vs.emu, DSM-1, Half Patch 12 (Falk), trig=allTrig
dsm1HJP12_HT
Entries 0
input to level-1
emulated HT from level-0

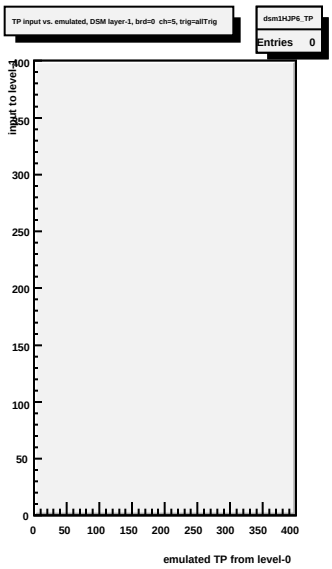

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
input to level-1
emulated TP from level-0

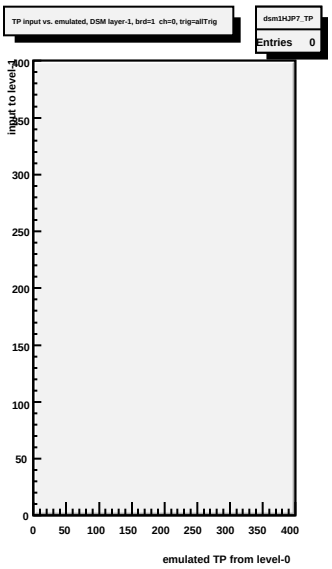

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

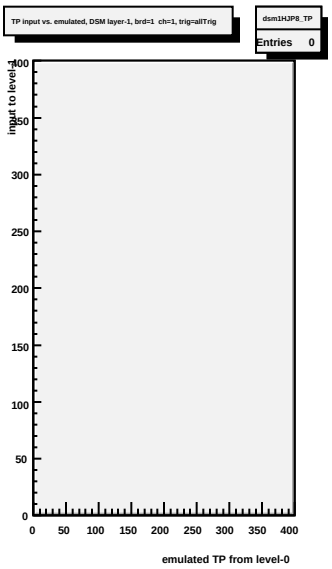

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

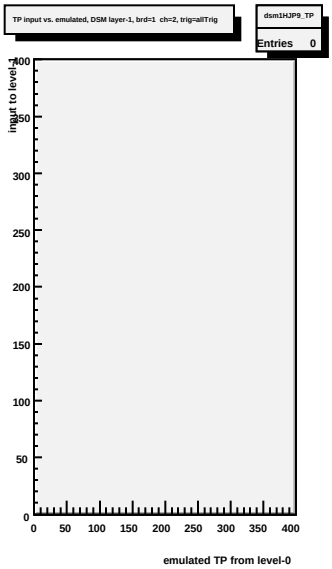

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

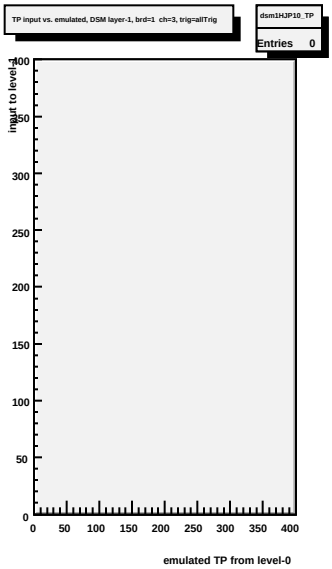

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

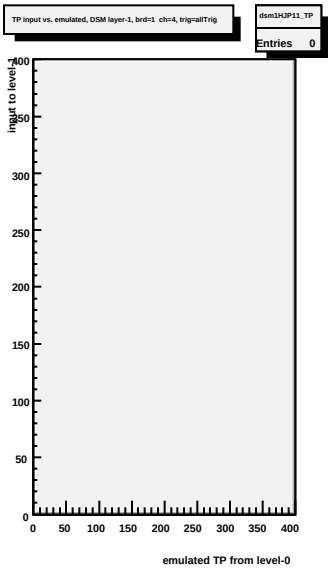

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

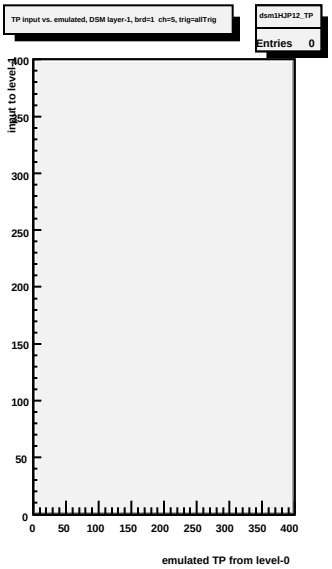

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

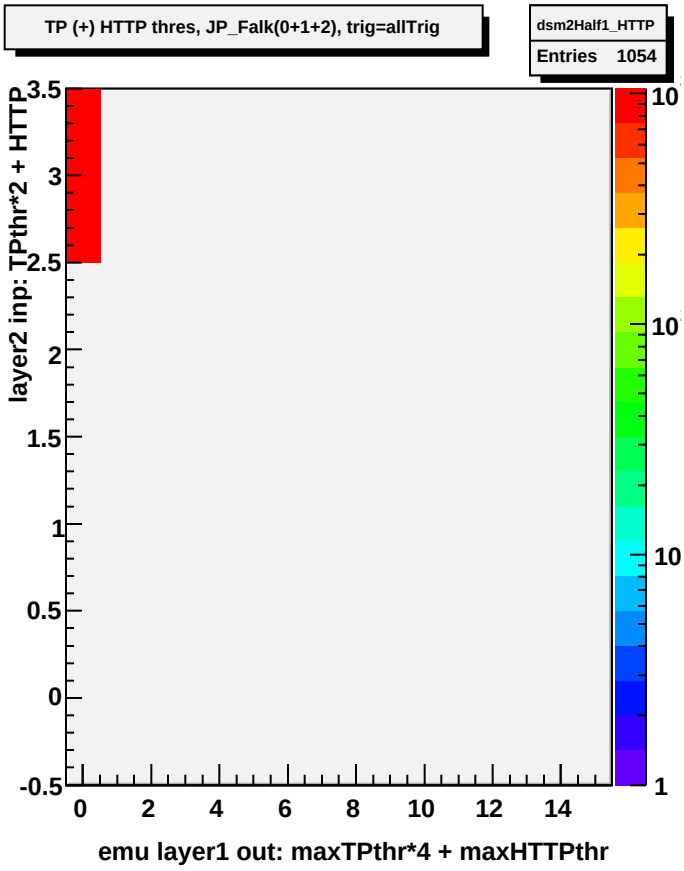

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

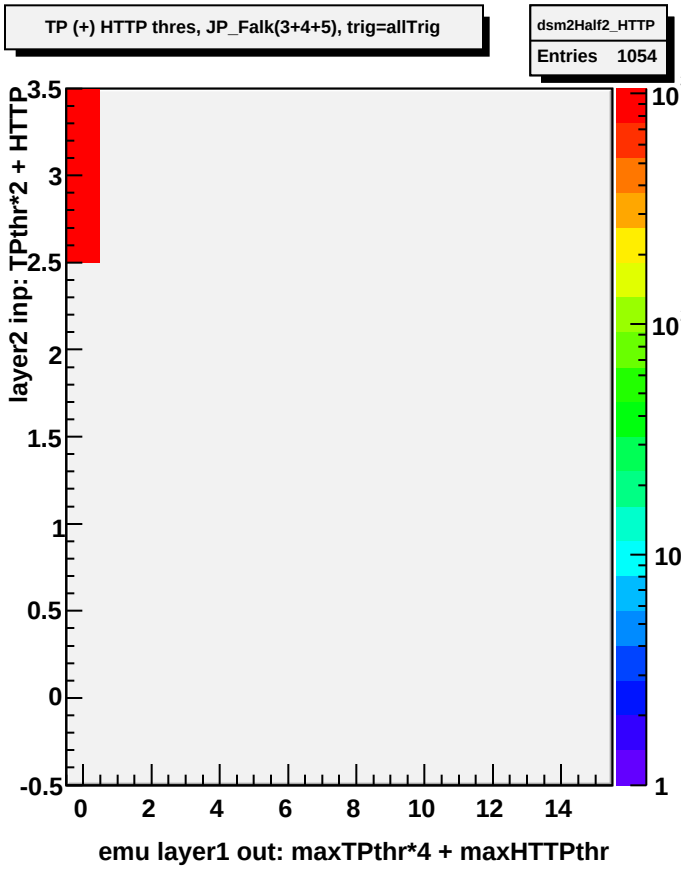

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

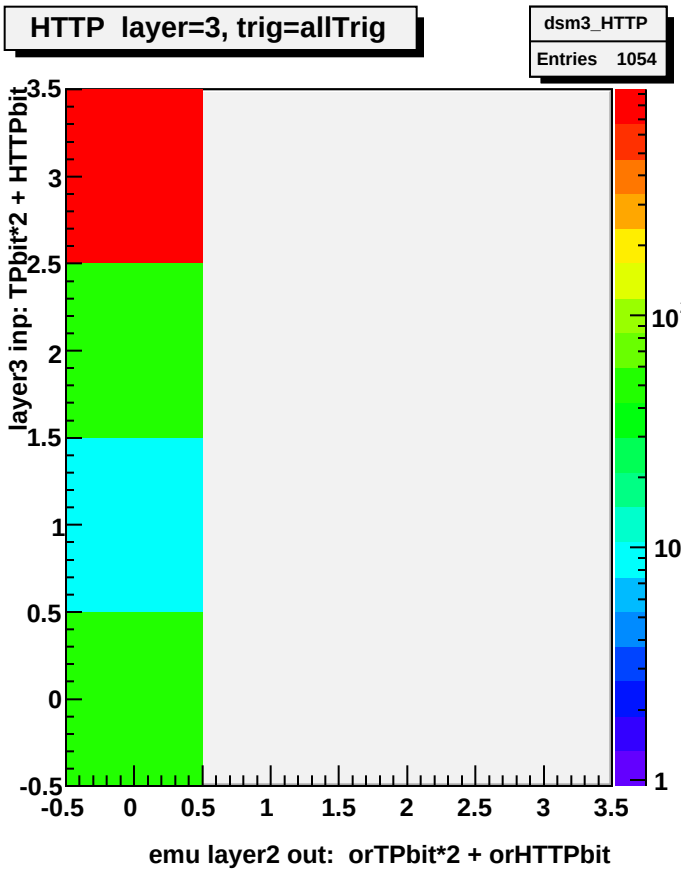

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

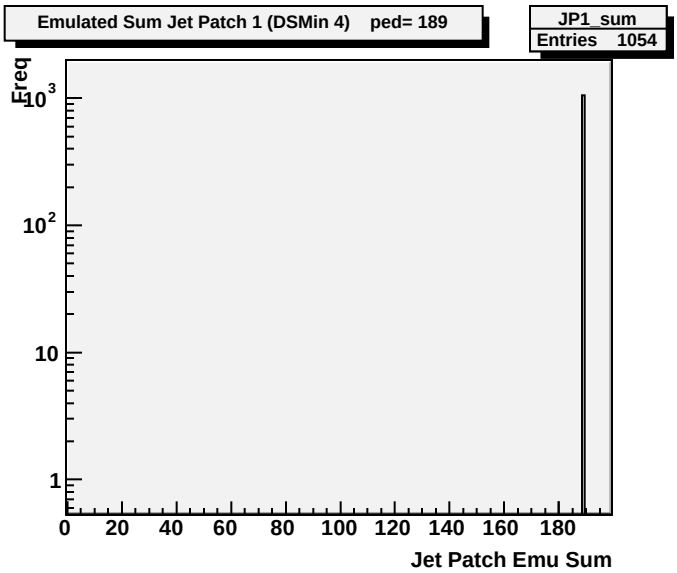

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

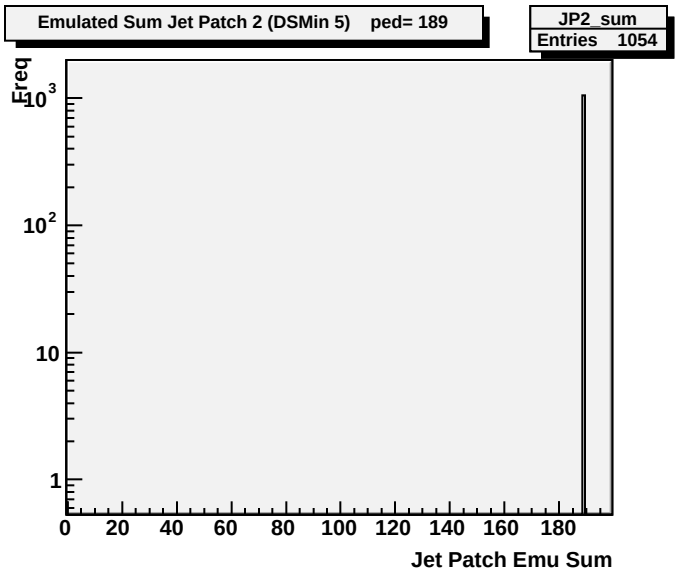

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

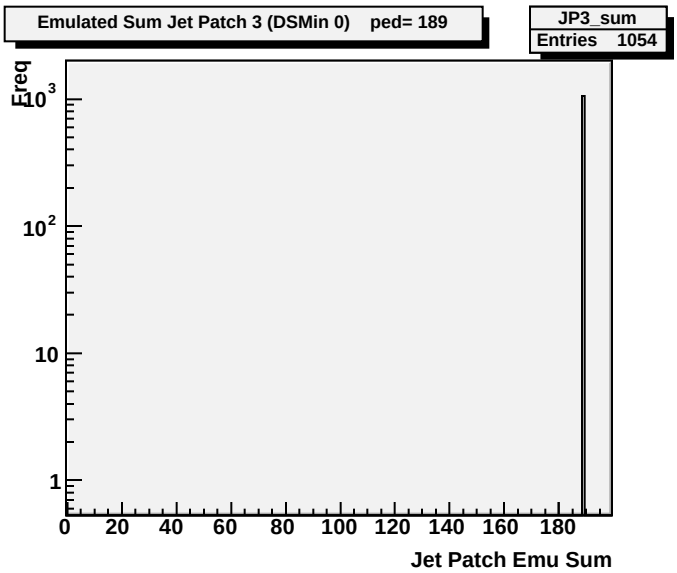

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 1054
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

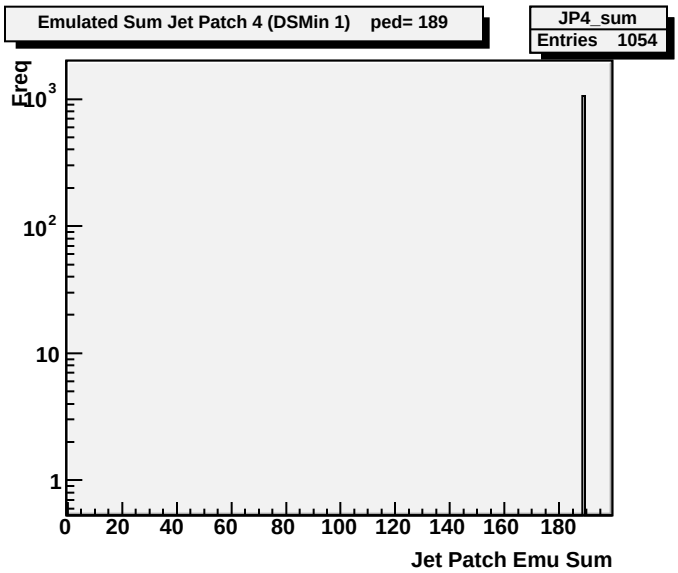

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 1054
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

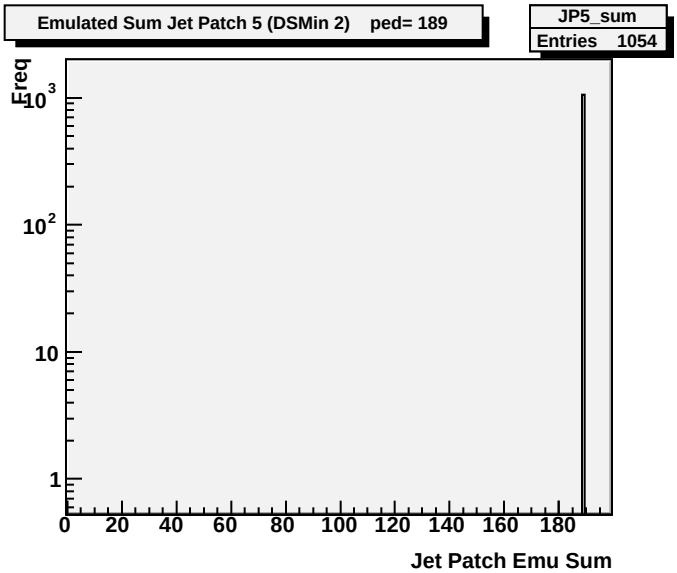

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 1054
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

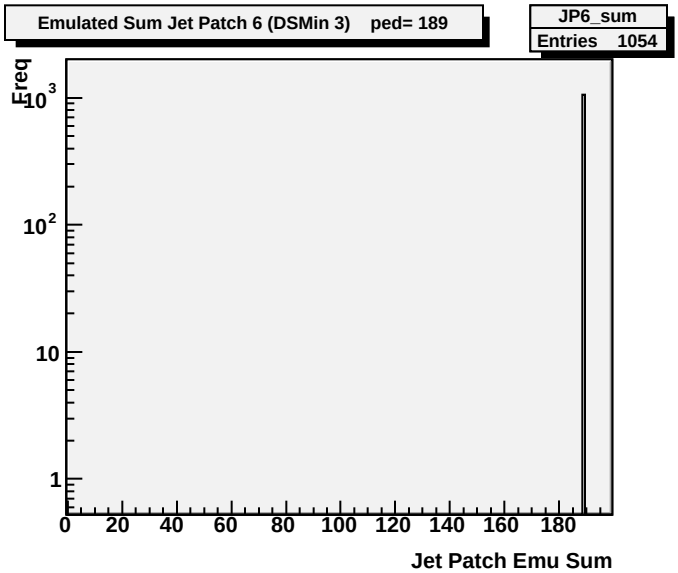

Emulated Sum Jet Patch 1 (DSMin 4) ped= 189
JP1_sum
Entries 1054
Freq
Jet Patch Emu Sum

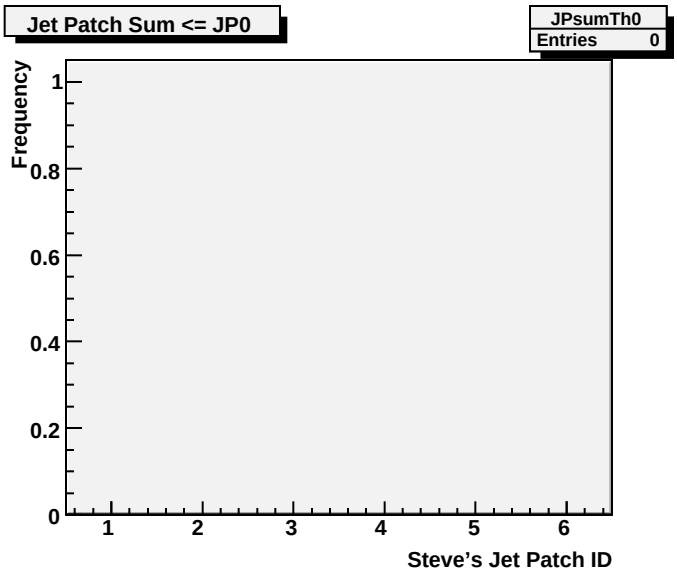

Emulated Sum Jet Patch 2 (DSMin 5) ped= 189
JP2_sum
Entries 1054
Freq
Jet Patch Emu Sum

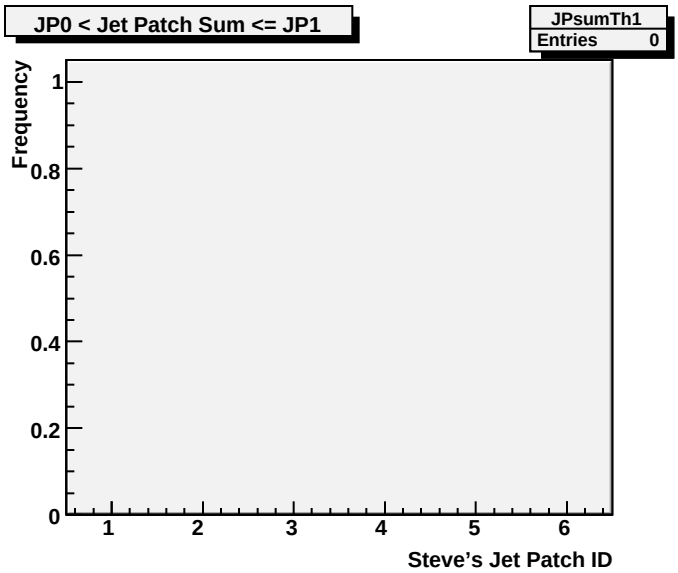

Emulated Sum Jet Patch 3 (DSMin 0) ped= 189
JP3_sum
Entries 1054
Freq
Jet Patch Emu Sum

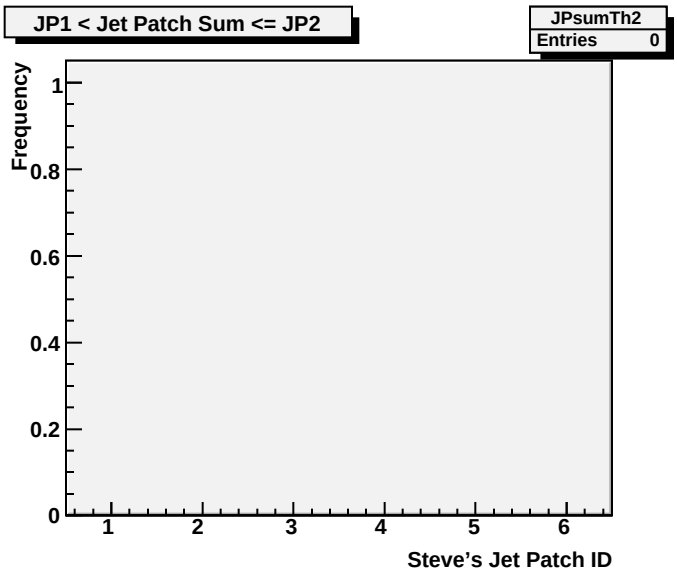

Emulated Sum Jet Patch 4 (DSMin 1) ped= 189
JP4_sum
Entries 1054
Freq
Jet Patch Emu Sum

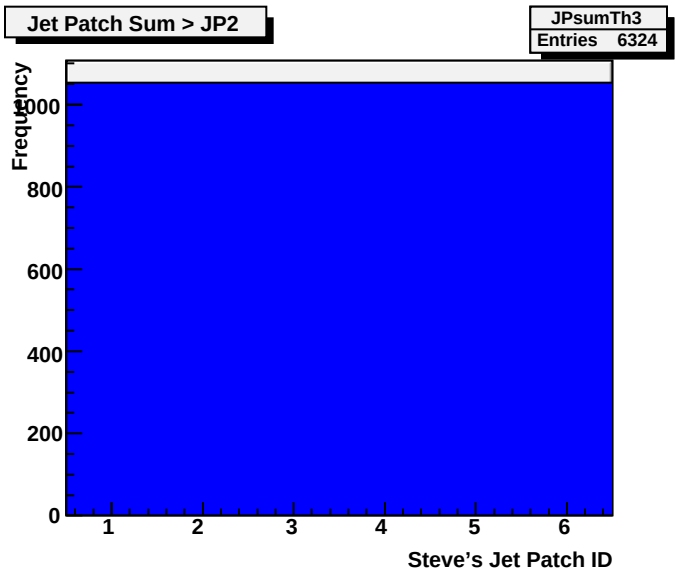

Emulated Sum Jet Patch 5 (DSMin 2) ped= 189
JP5_sum
Entries 1054
Freq
Jet Patch Emu Sum

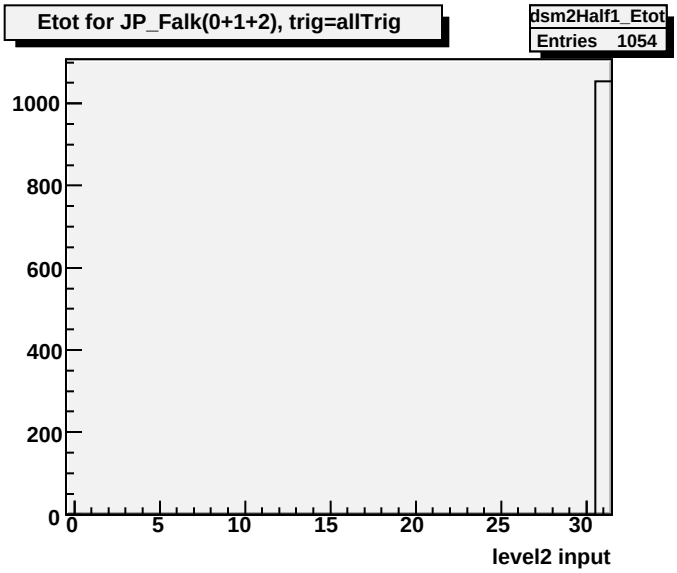

Emulated Sum Jet Patch 6 (DSMin 3) ped= 189
JP6_sum
Entries 1054
Freq
Jet Patch Emu Sum

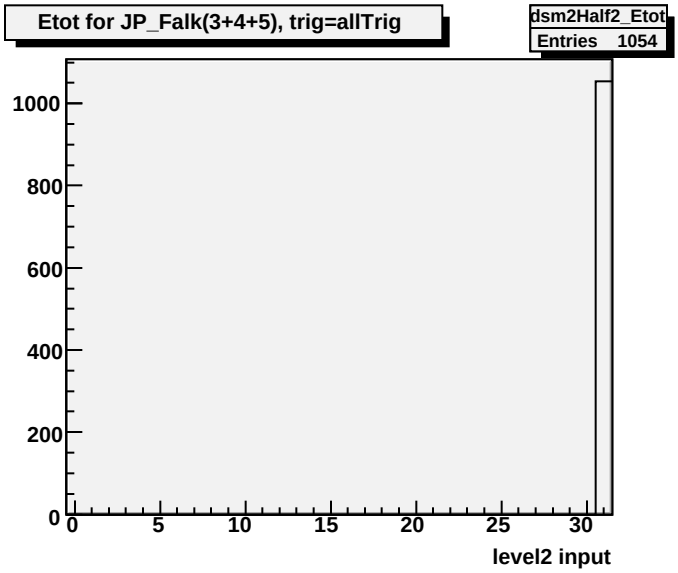

Jet Patch Sum <= JP0
JPsumTh0
Entries 0
Frequency
Steve's Jet Patch ID

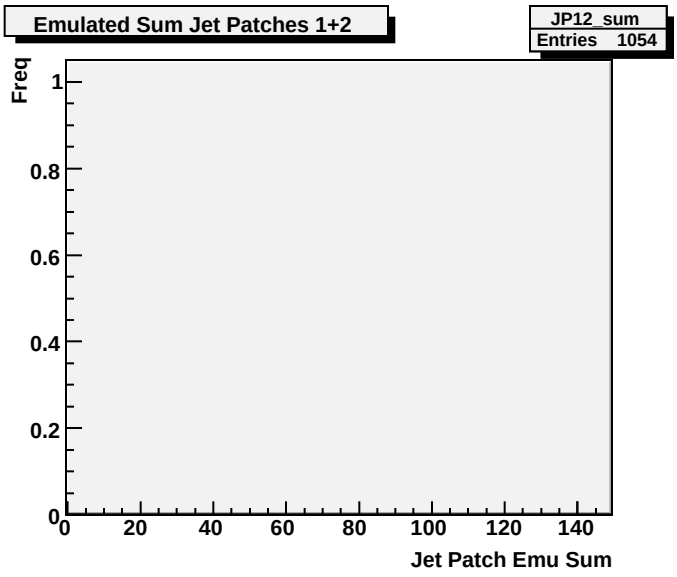

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 0
Frequency
Steve's Jet Patch ID

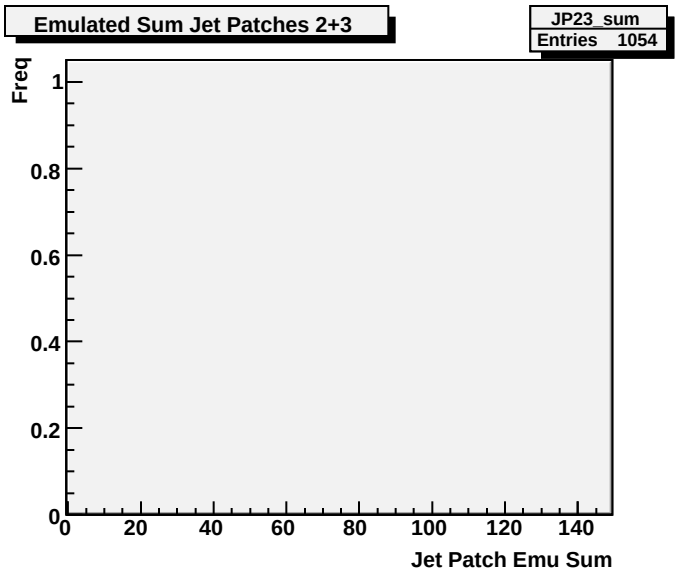

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

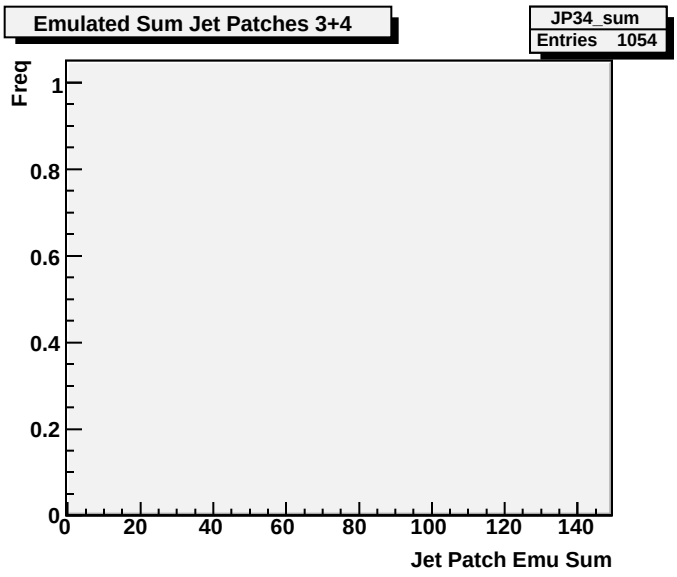

Jet Patch Sum > JP2
JPsumTh3
Entries 6324
Frequency
Steve's Jet Patch ID

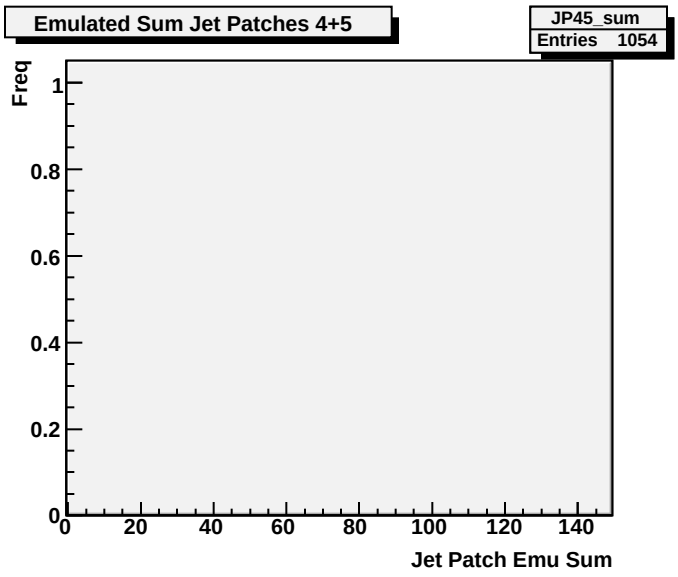

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 1054
level2 input

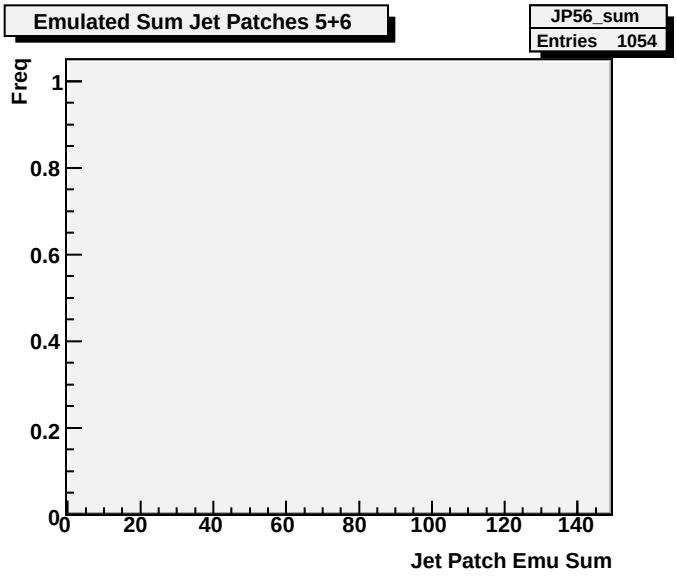

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 1054
level2 input

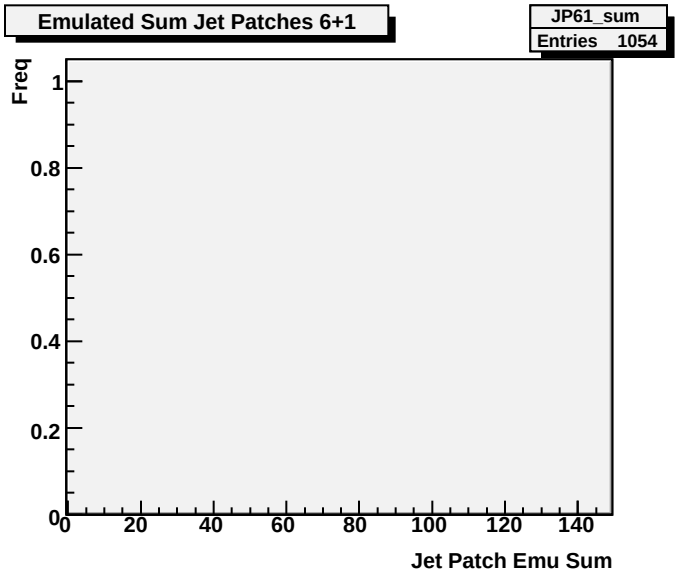

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 1054
Freq
Jet Patch Emu Sum

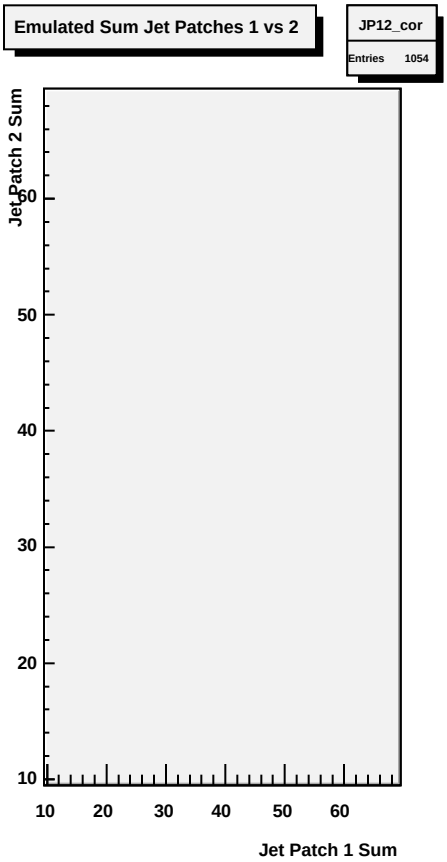

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 1054
Freq
Jet Patch Emu Sum

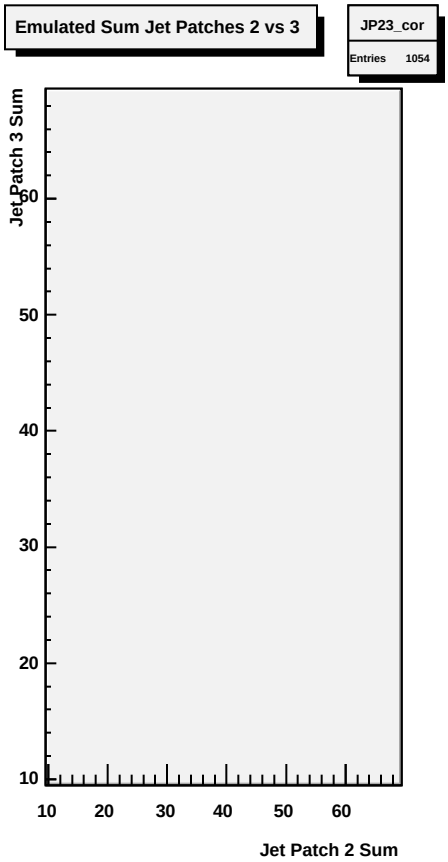

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 1054
Freq
Jet Patch Emu Sum

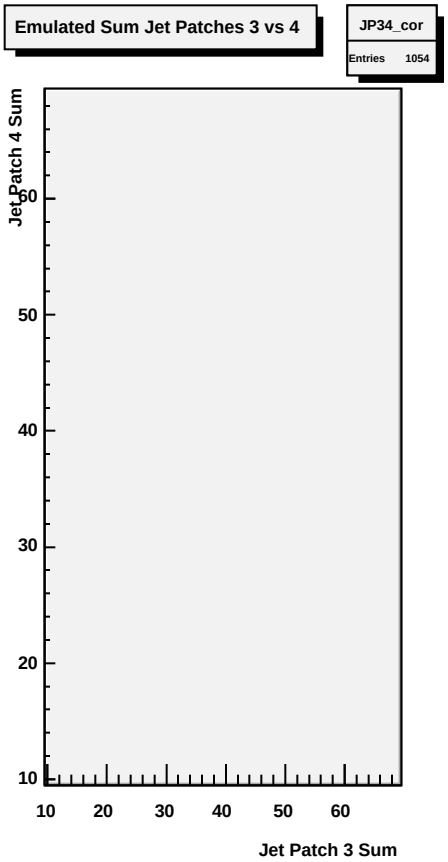

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 1054
Freq
Jet Patch Emu Sum

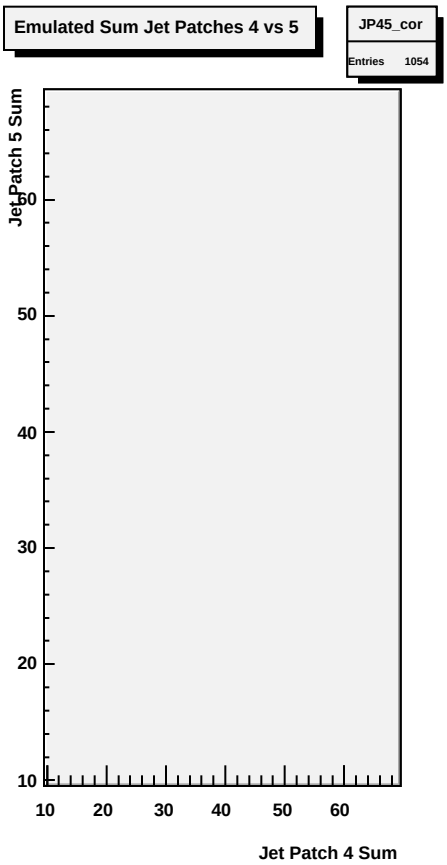

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 1054
Freq
Jet Patch Emu Sum

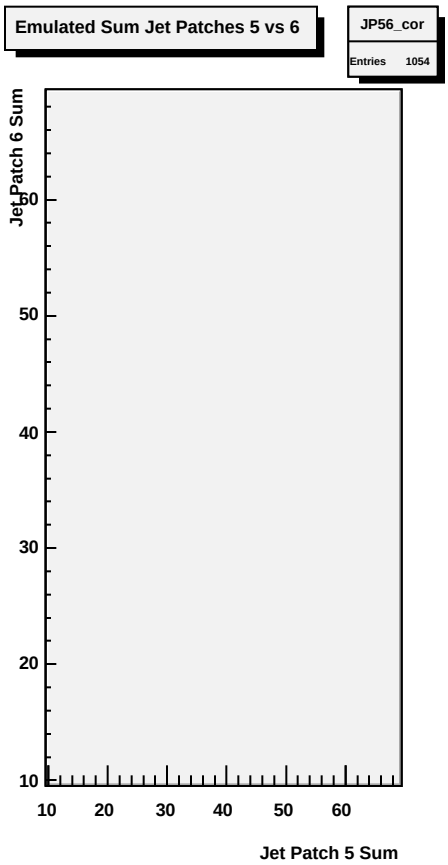

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 1054
Freq
Jet Patch Emu Sum

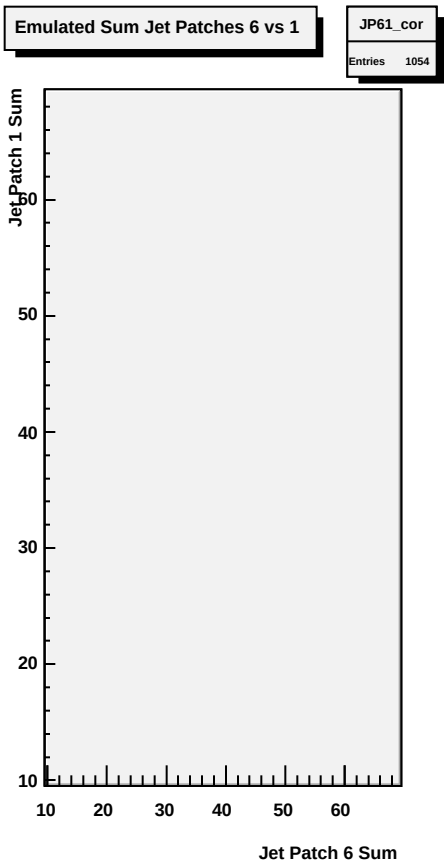

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 1054
Jet Patch 2 Sum
Jet Patch 1 Sum

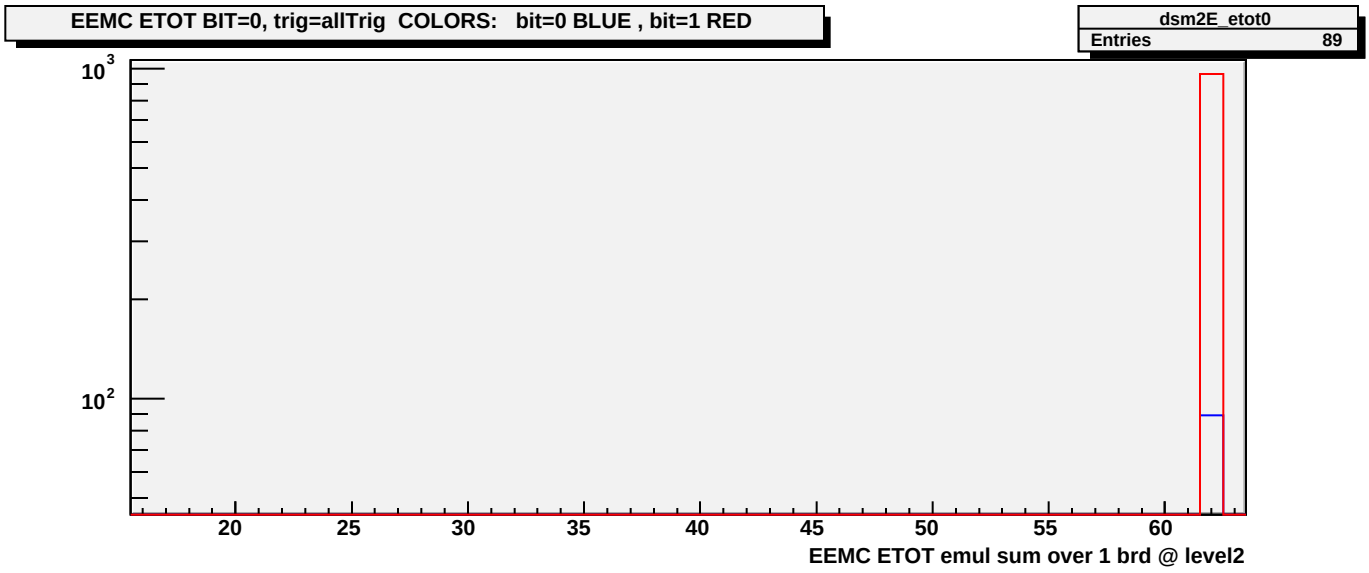

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 1054
Jet Patch 3 Sum
Jet Patch 2 Sum

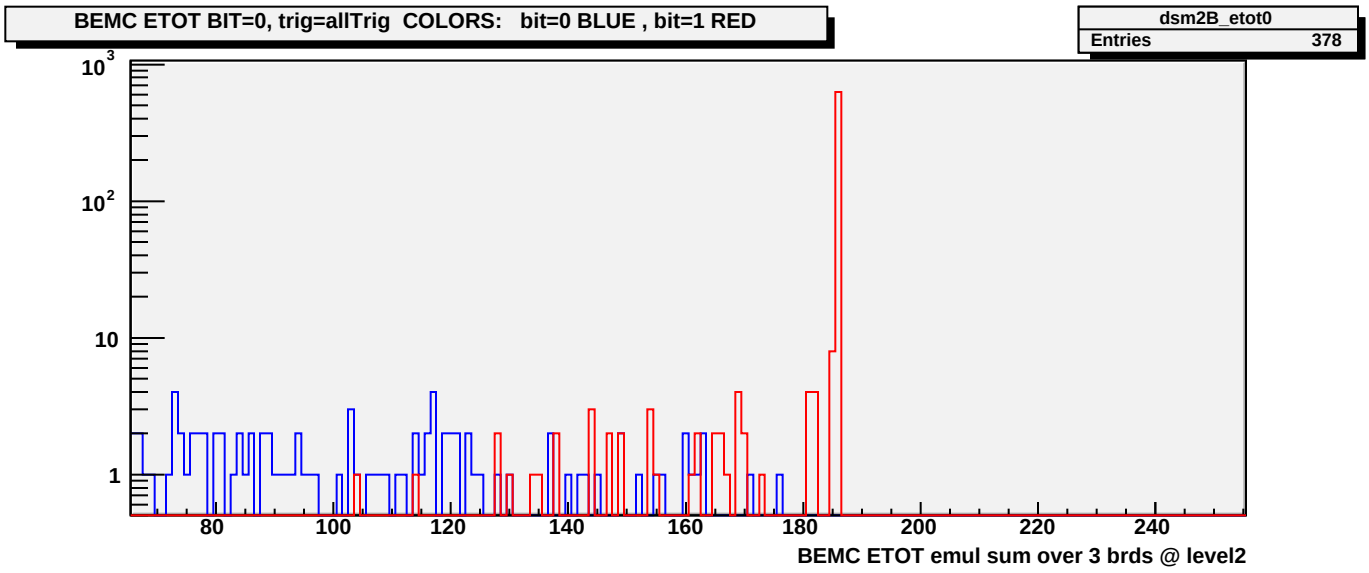

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 1054
Jet Patch 4 Sum
Jet Patch 3 Sum

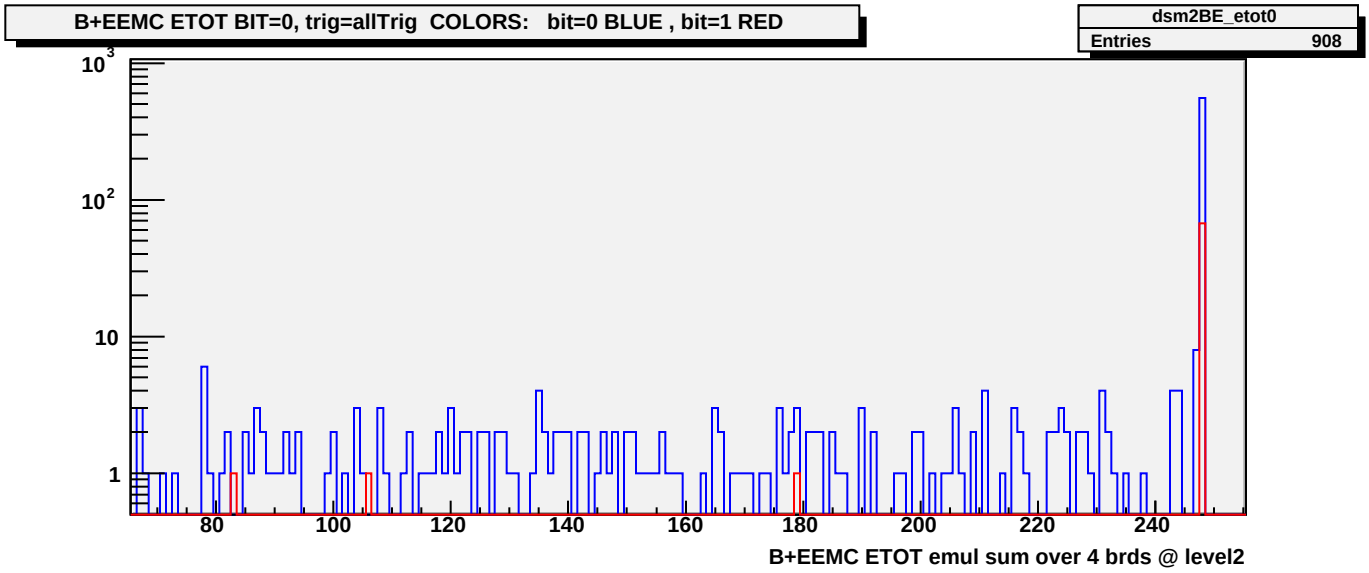

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 1054
Jet Patch 5 Sum
Jet Patch 4 Sum

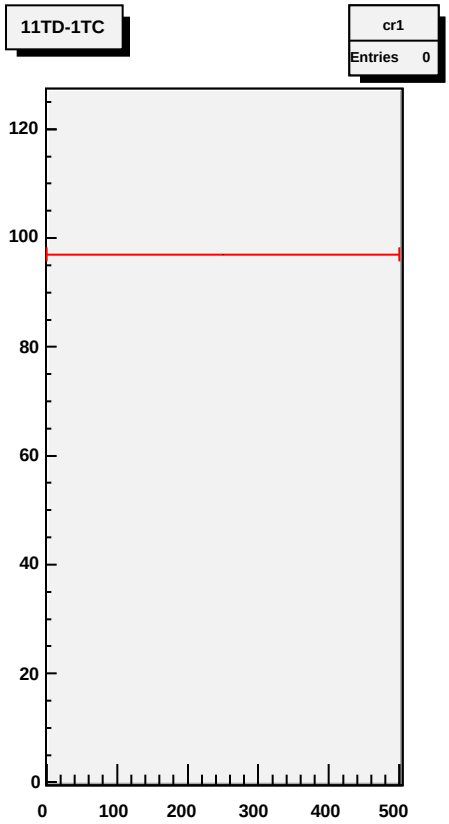

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 1054
Jet Patch 6 Sum
Jet Patch 5 Sum

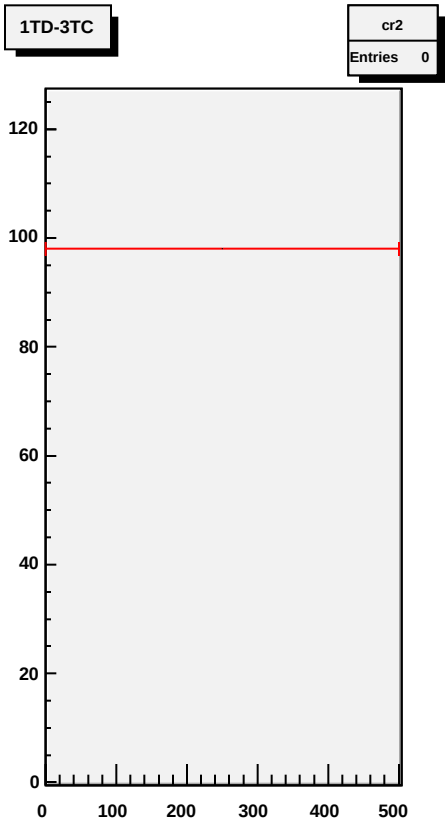

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 1054
Jet Patch 1 Sum
Jet Patch 6 Sum

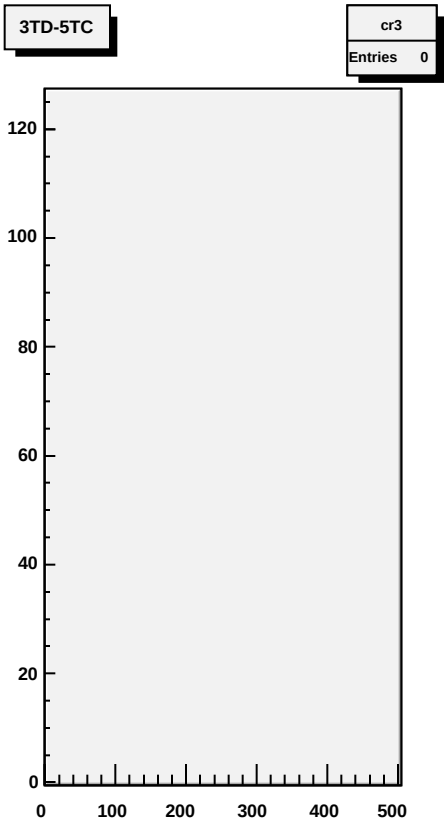

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 89
$10^3$
$10^2$
20 25 30 35 40 45 50 55 60
EEMC ETOT emul sum over 1 brd @ level2

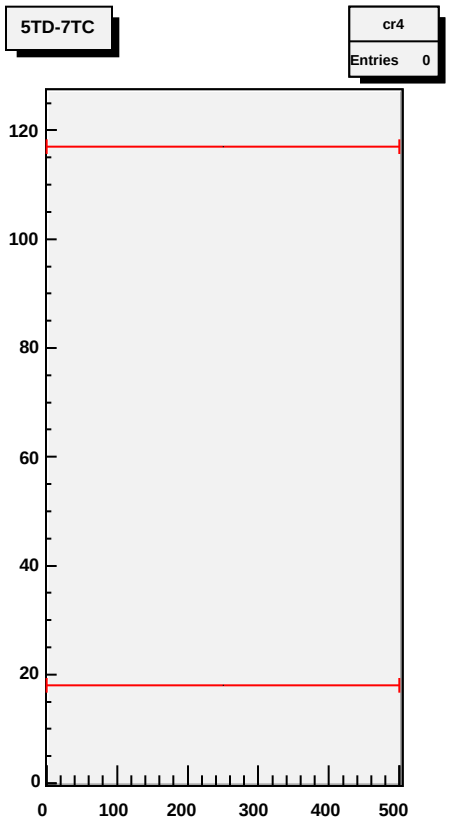

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 378
$10^3$
$10^2$
10
1
80 100 120 140 160 180 200 220 240
BEMC ETOT emul sum over 3 brds @ level2

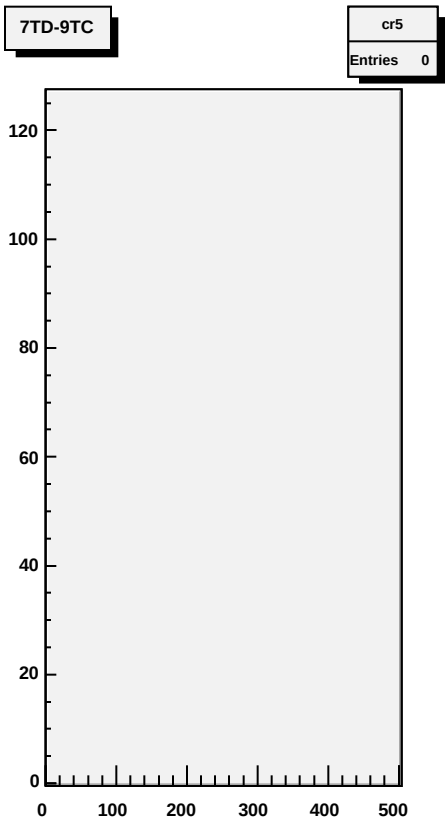

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 908
$10^3$
$10^2$
10
1
80 100 120 140 160 180 200 220 240
B+EEMC ETOT emul sum over 4 brds @ level2

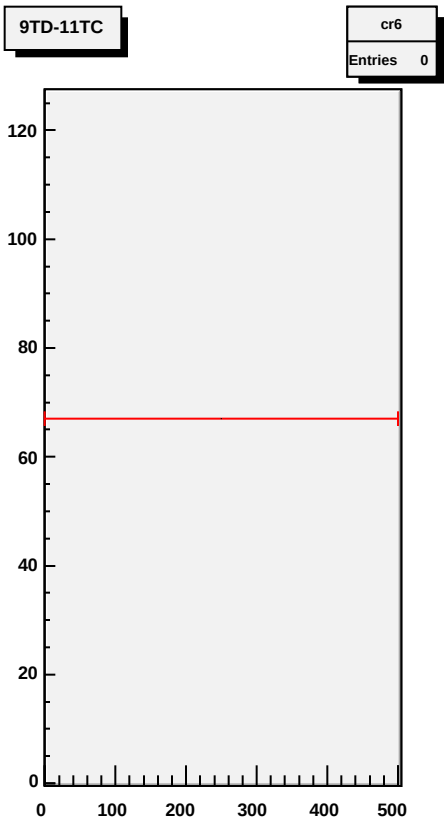

11TD-1TC
cr1
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


1TD-3TC
cr2
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500

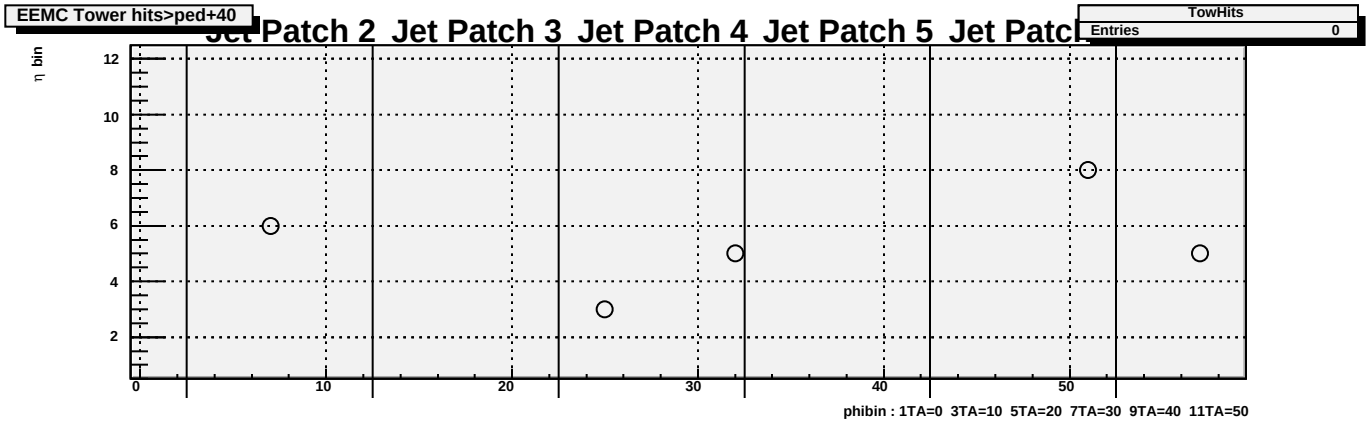

3TD-5TC
cr3
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


5TD-7TC
cr4
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500

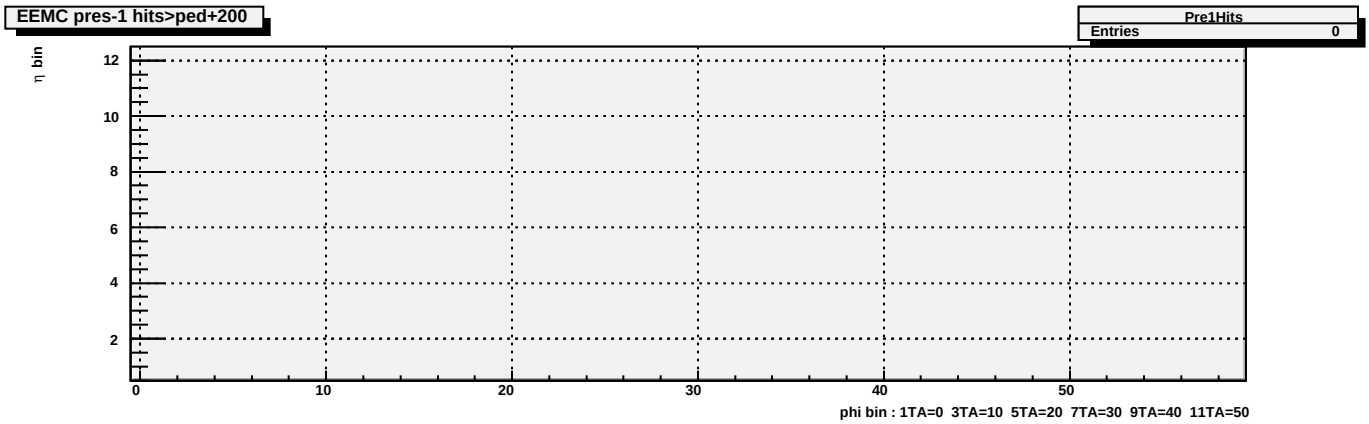

7TD-9TC
cr5
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


9TD-11TC
cr6
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500

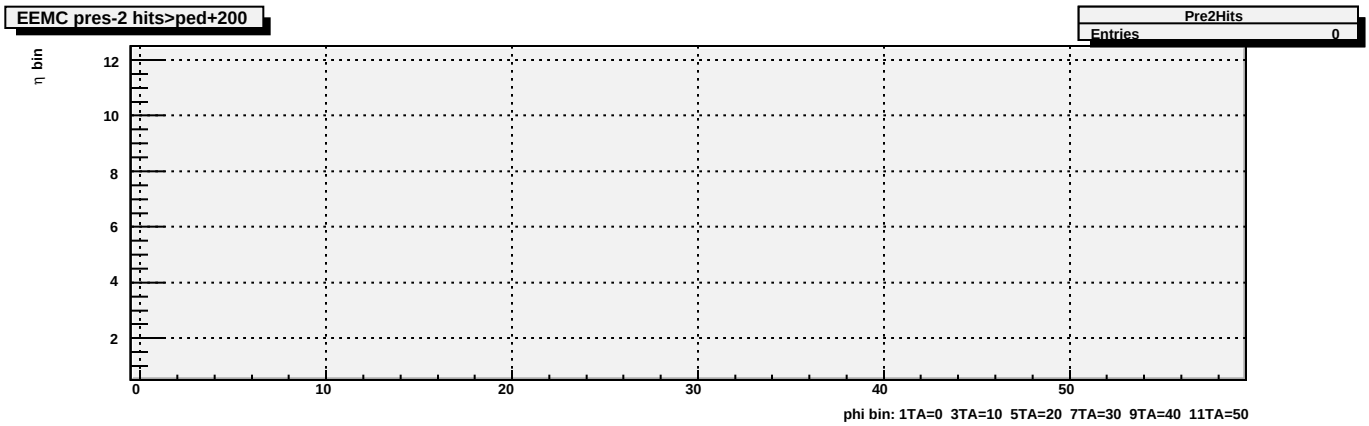
EEMC Tower hits>ped+40



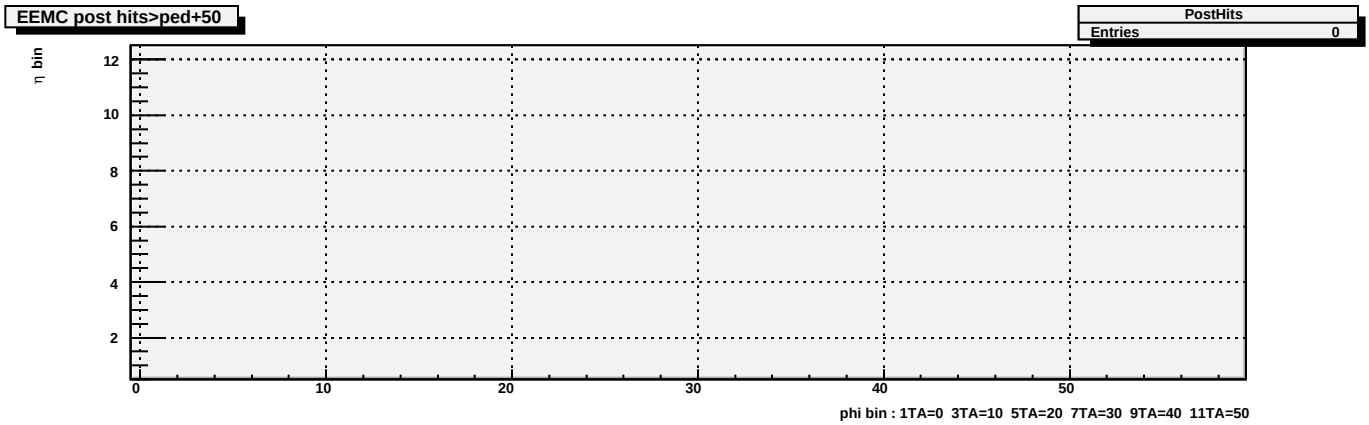

EEMC pres-1 hits>ped+200

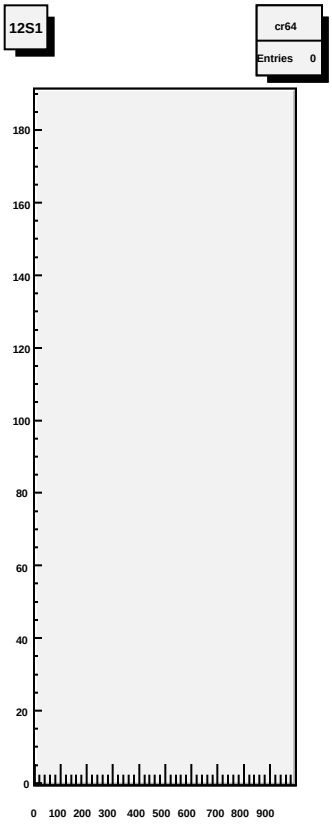


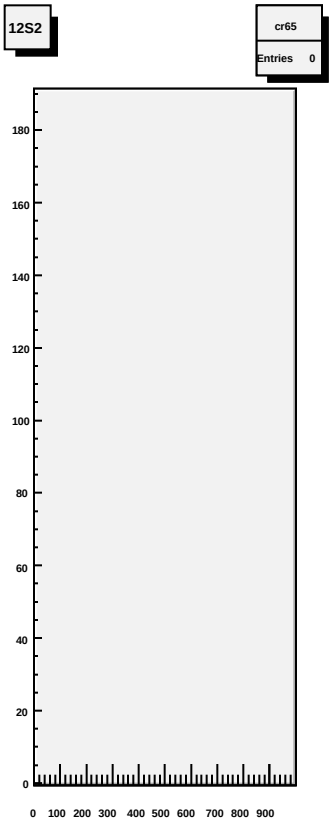

EEMC pres-2 hits>ped+200

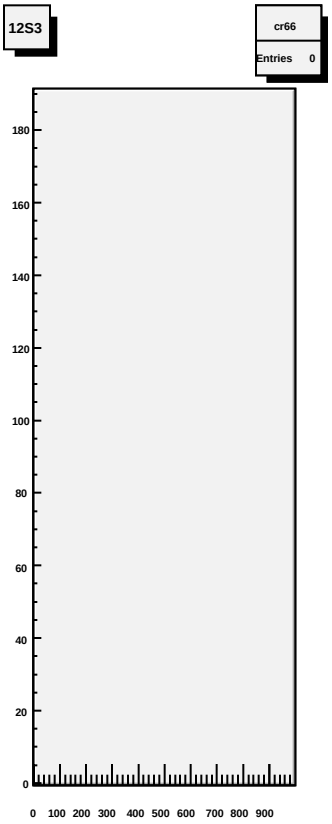


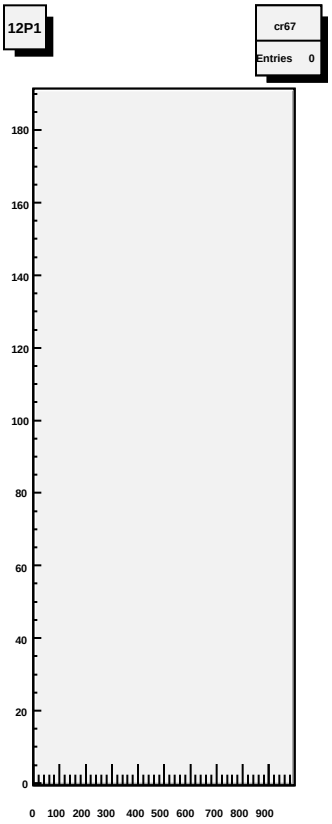

EEMC post hits>ped+50

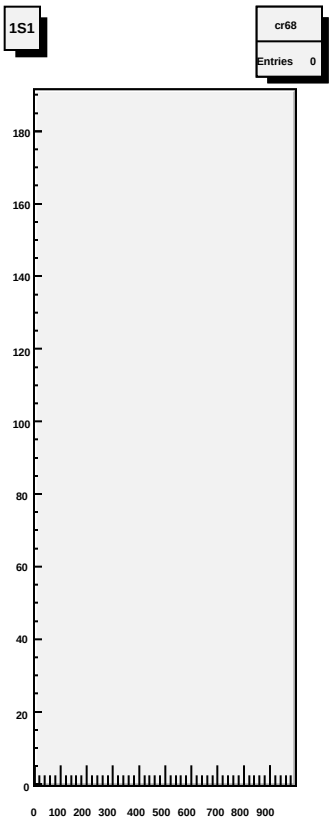


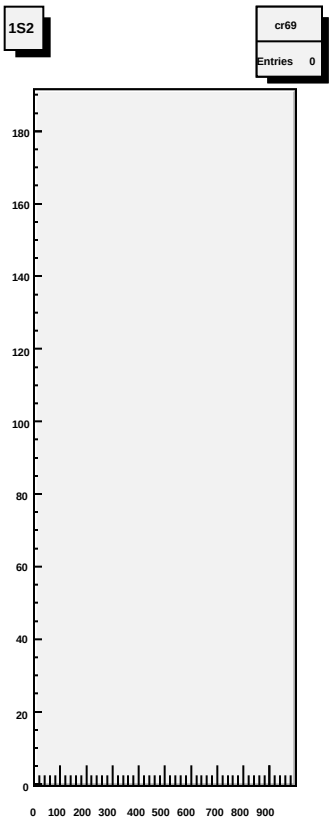

12S1
cr64
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

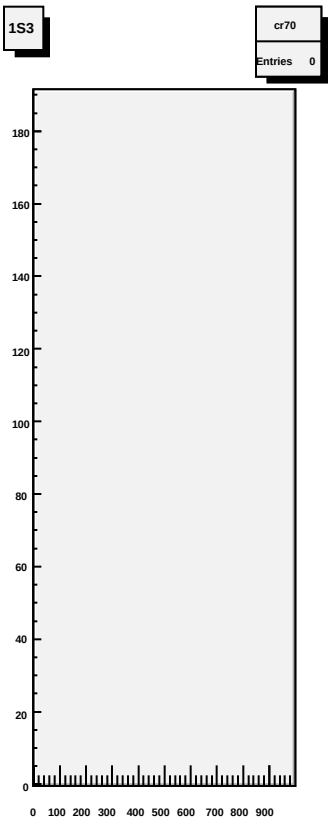

12S2
cr65
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

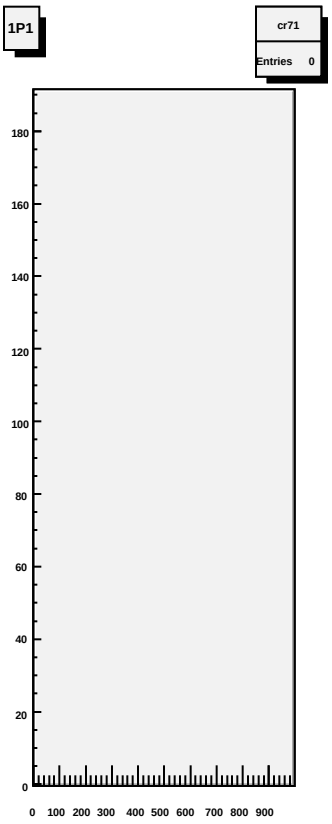

12S3
cr66
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

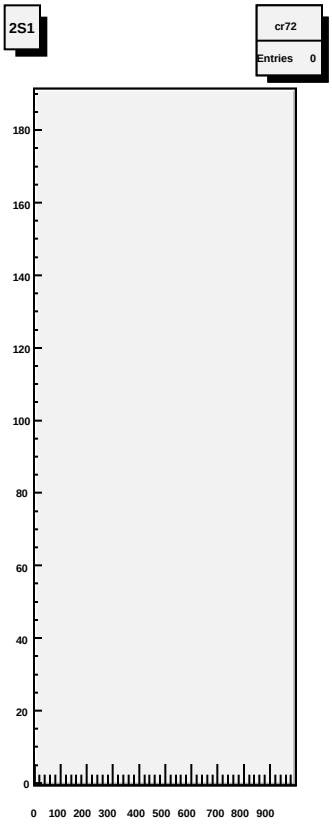

12P1
cr67
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

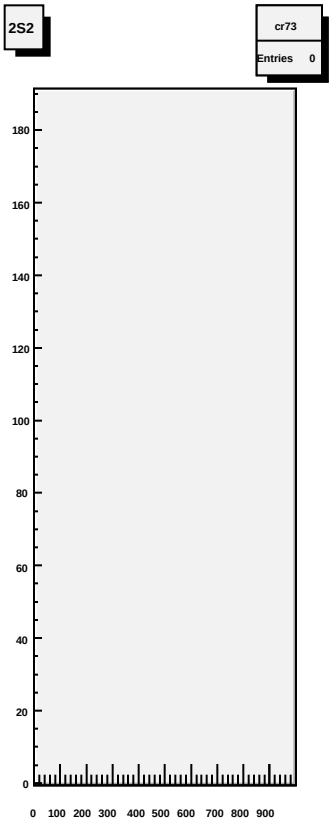

1S1
cr68
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

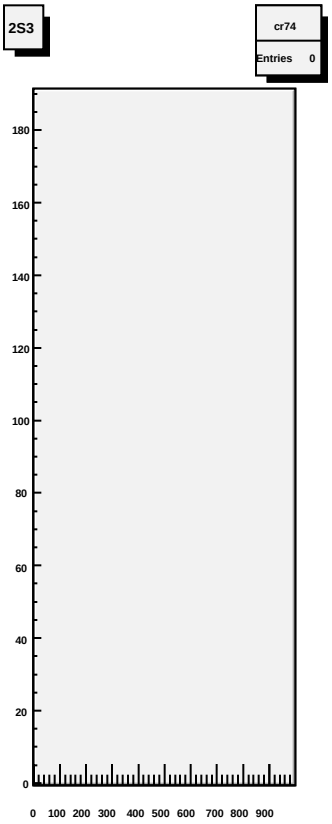

1S2
cr69
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

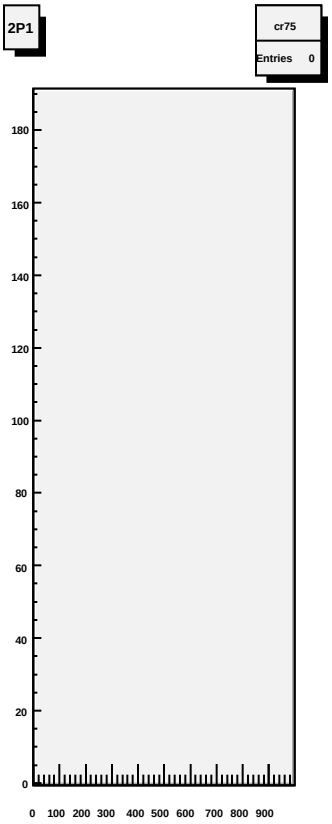

1S3
cr70
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

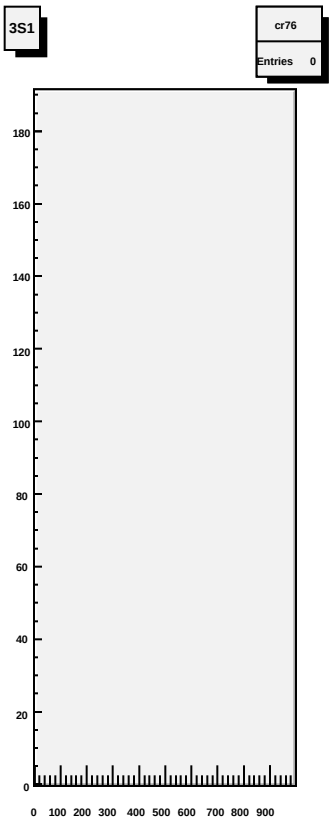

1P1
cr71
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

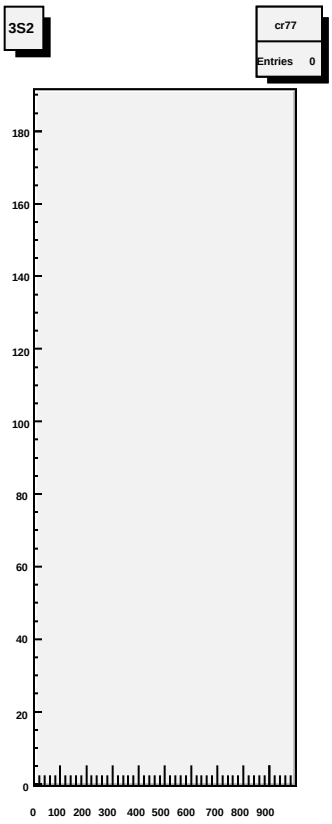

2S1
cr72
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

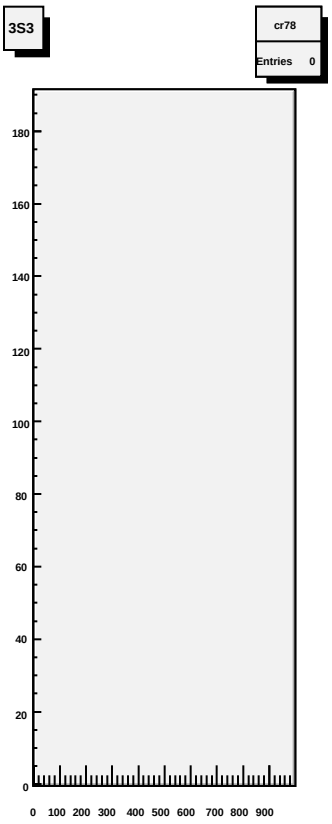

2S2
cr73
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

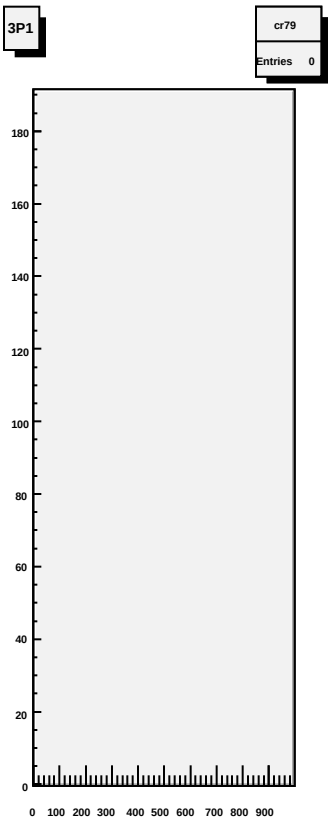

2S3
cr74
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

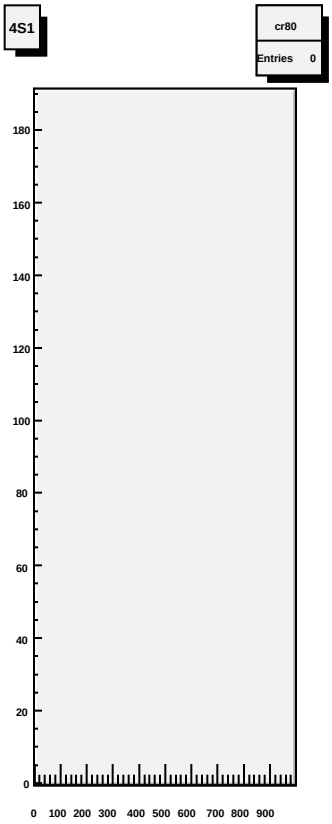

2P1
cr75
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

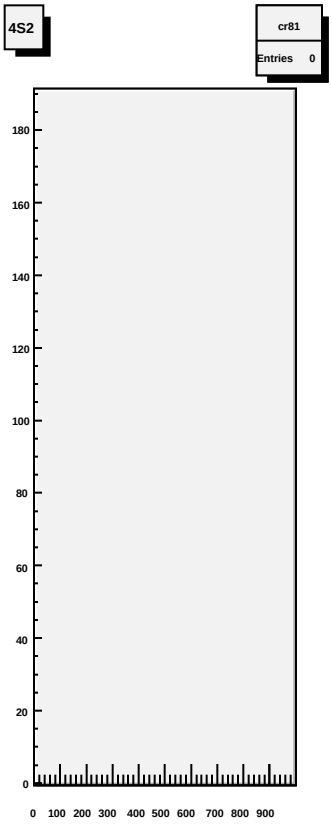

3S1
cr76
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

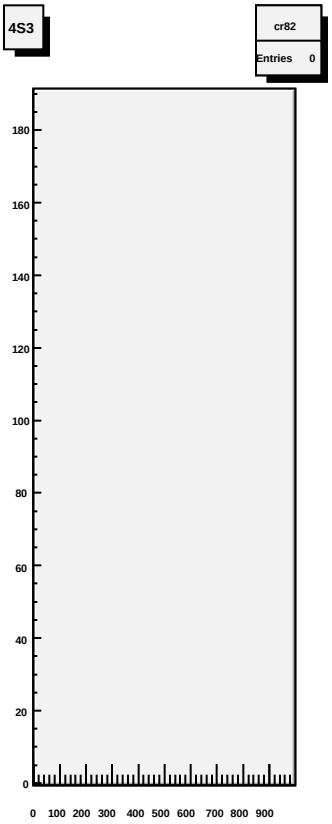

3S2
cr77
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

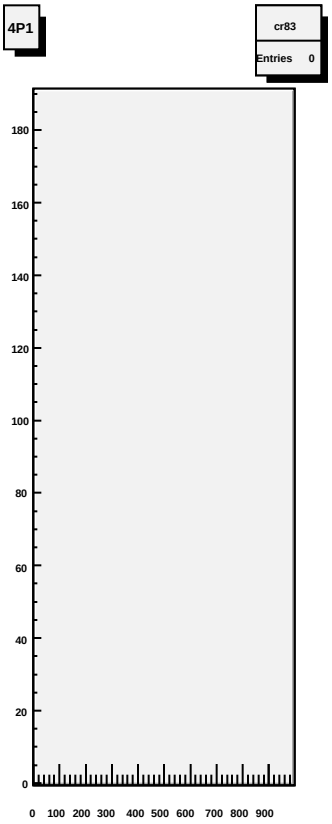

3S3
cr78
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

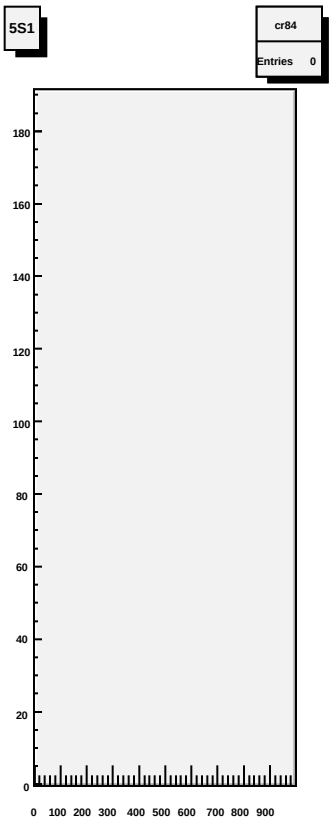

3P1
cr79
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

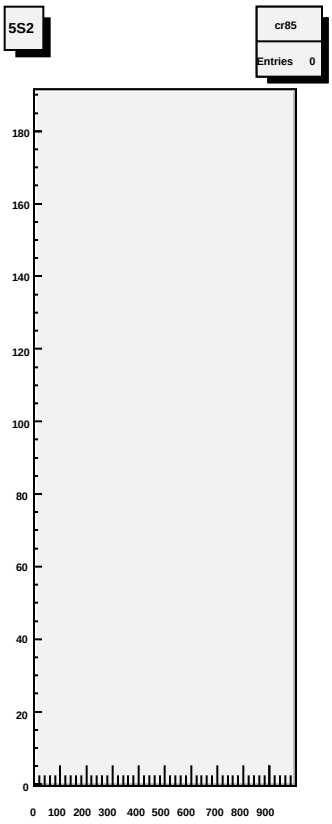

4S1
cr80
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

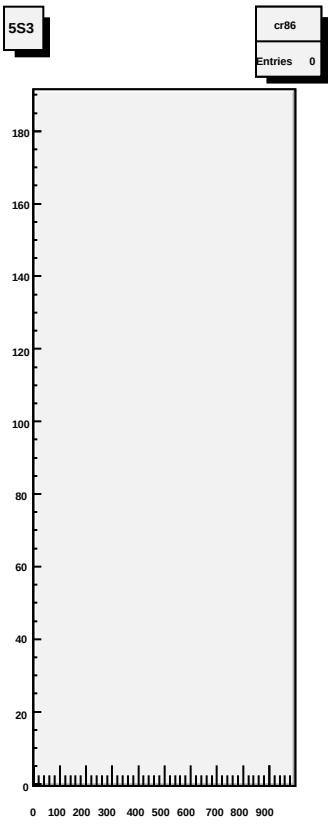

4S2
cr81
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

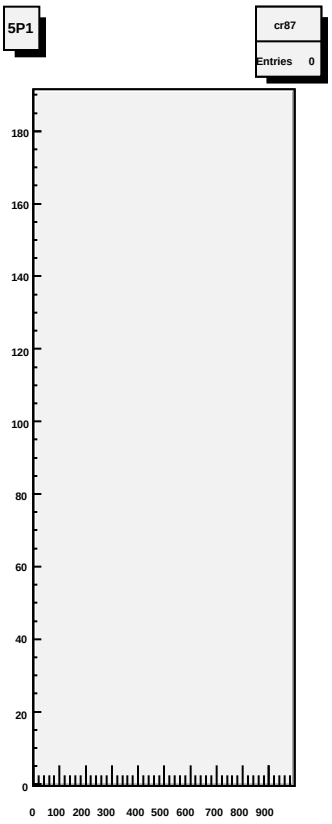

4S3
cr82
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

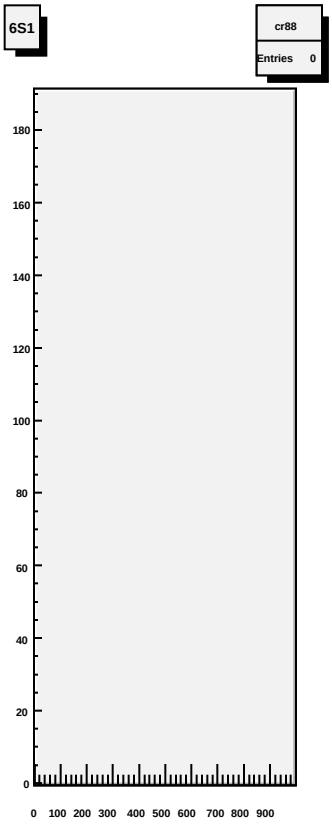

4P1
cr83
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

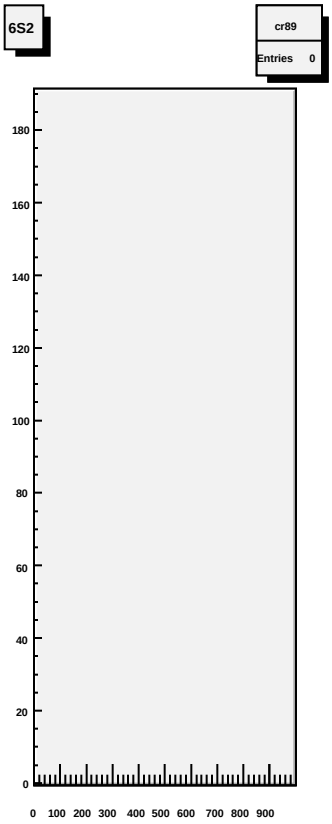

5S1
cr84
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

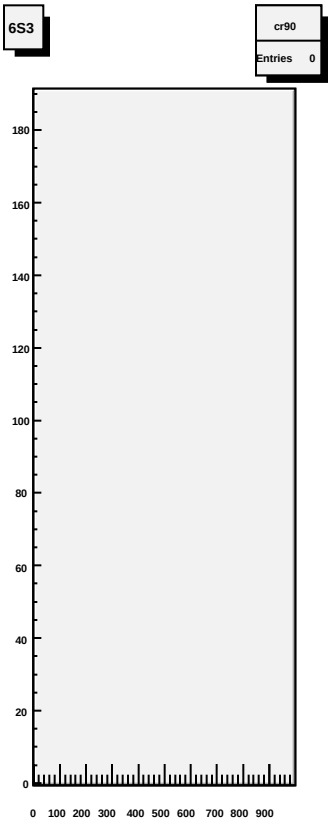

5S2
cr85
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

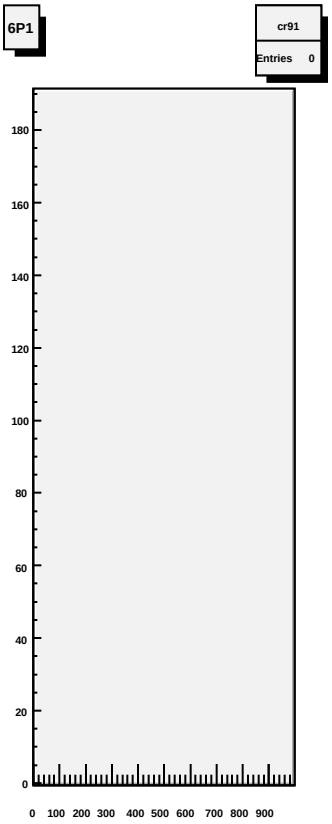

5S3
cr86
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

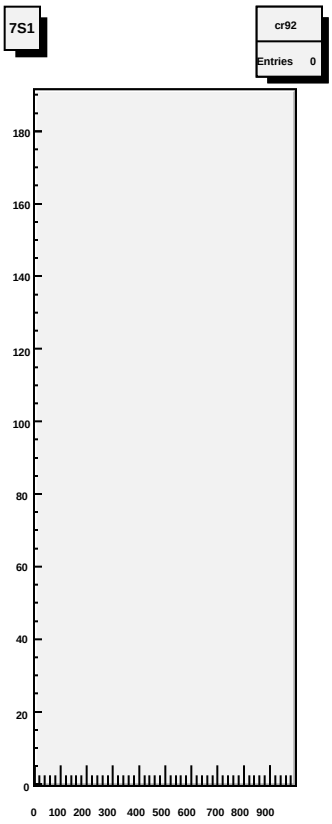

5P1
cr87
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

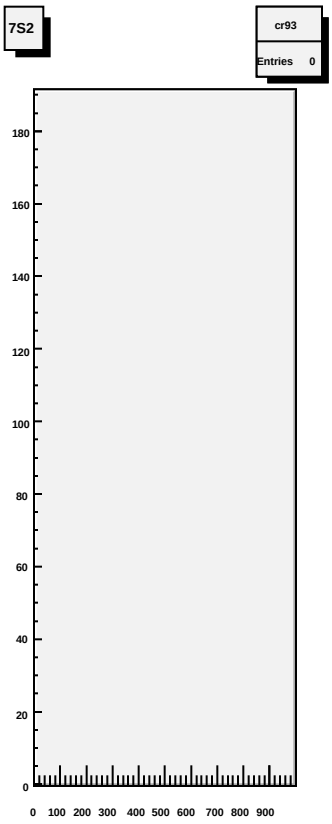

6S1
cr88
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

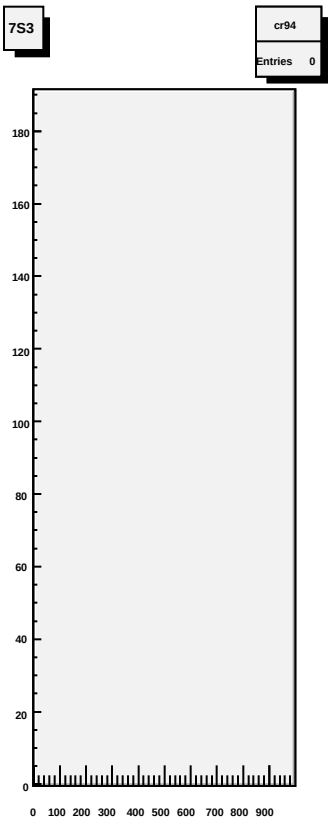

6S2
cr89
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

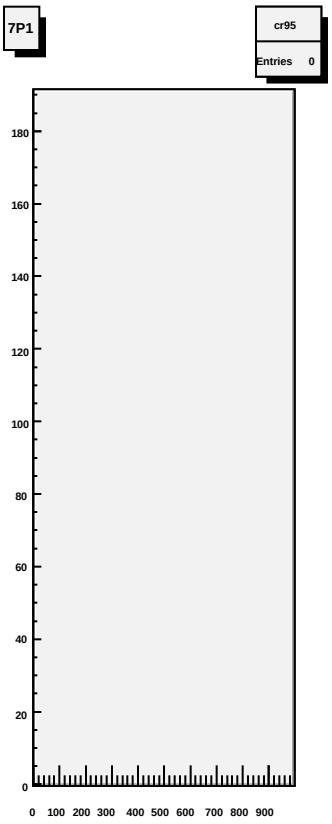

6S3
cr90
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

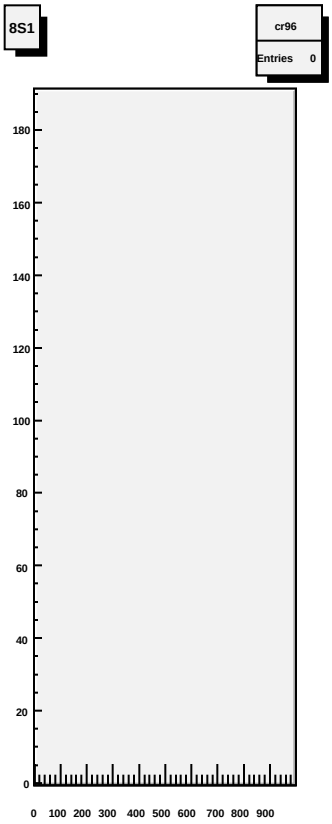

6P1
cr91
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

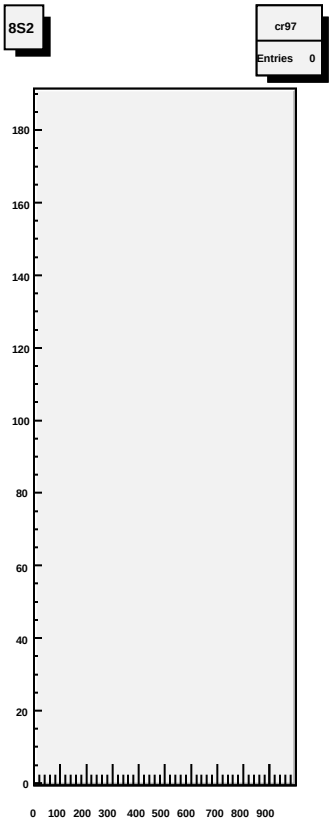

7S1
cr92
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

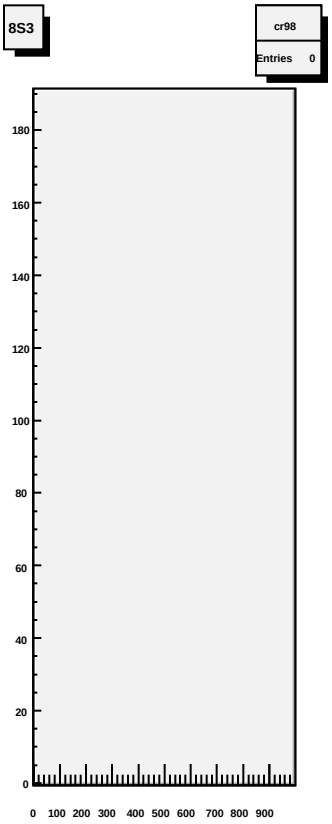

7S2
cr93
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

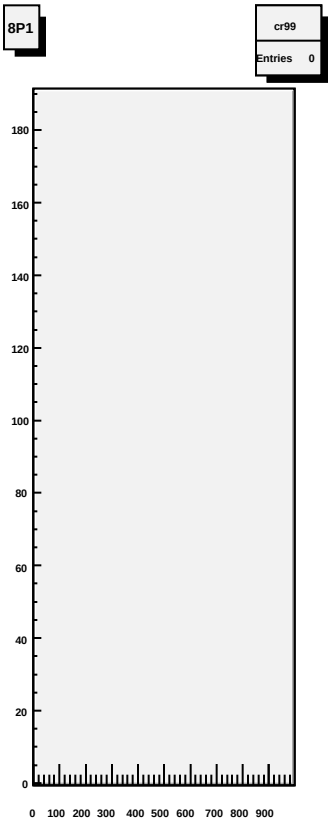

7S3
cr94
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

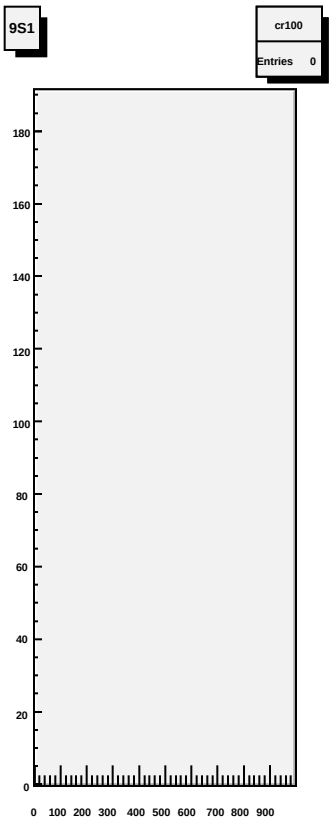

7P1
cr95
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

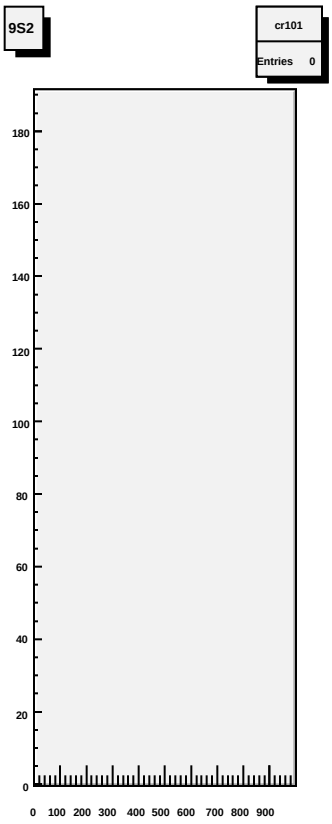

8S1
cr96
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

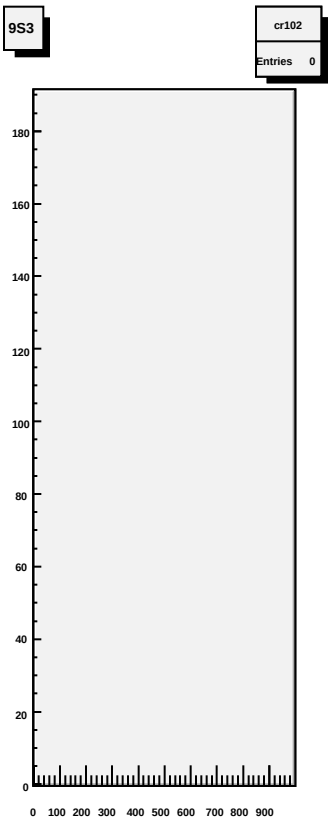

8S2
cr97
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

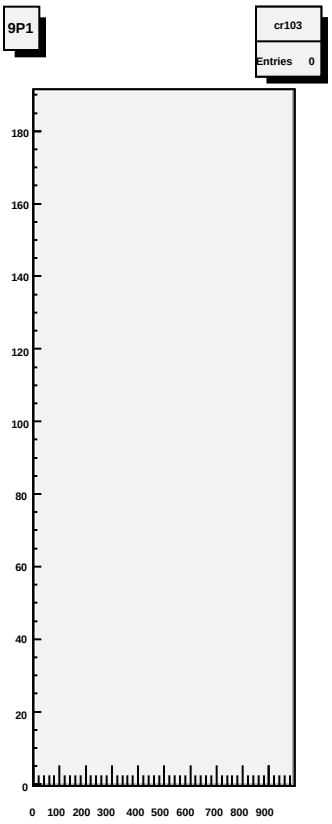

8S3
cr98
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

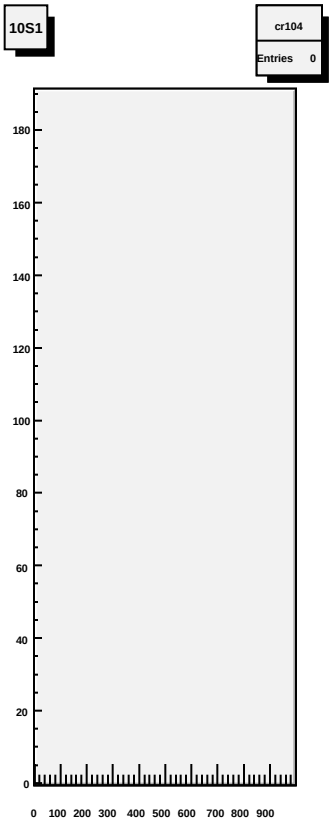

8P1
cr99
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


9S1
cr100
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


9S2
cr101
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


9S3
cr102
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


9P1
cr103
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


10S1
cr104
Entries 0
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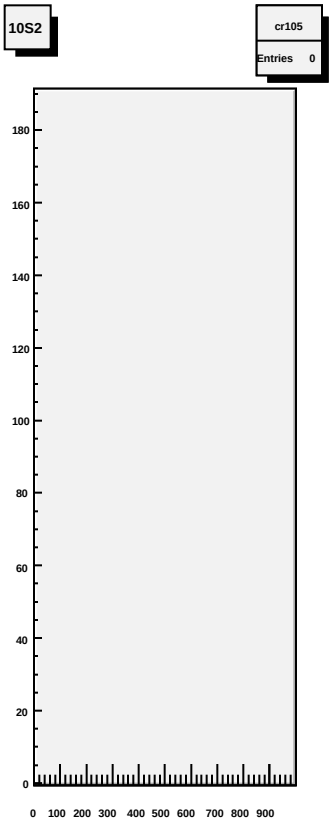
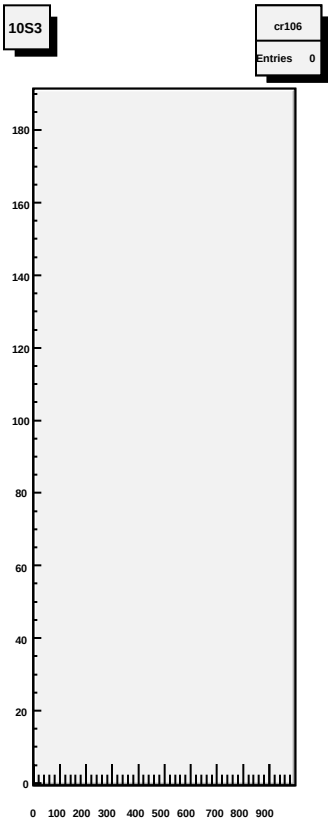
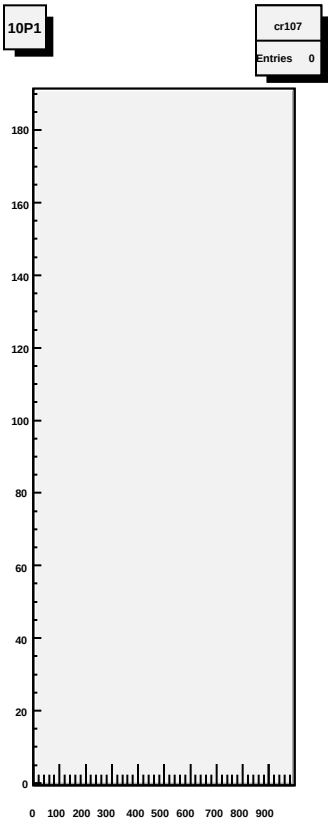
0 100 200 300 400 500 600 700 800 900


10S2
cr105
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


10S3
cr106
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


10P1
cr107
Entries 0
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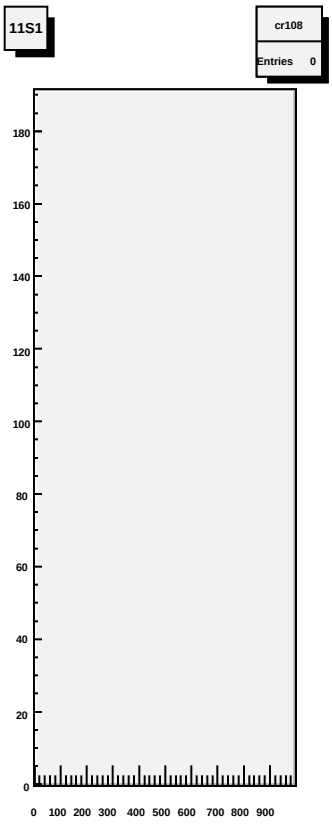
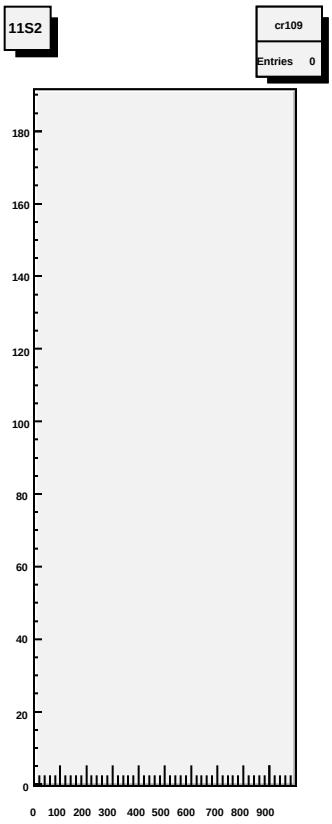
0 100 200 300 400 500 600 700 800 900


11S1
cr108
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900


11S2
cr109
Entries 0
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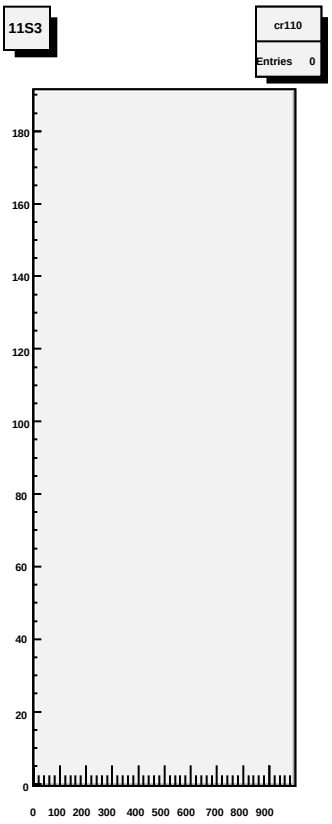
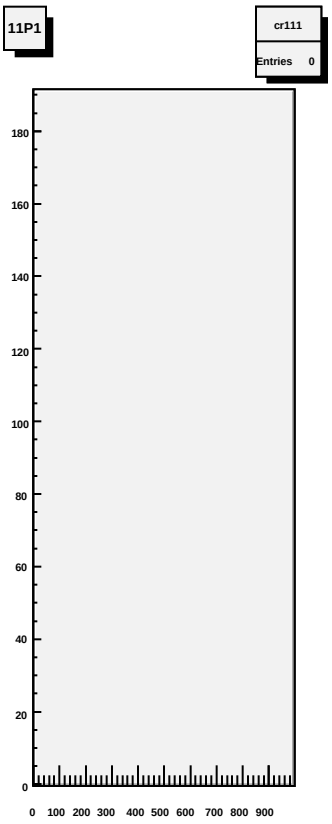
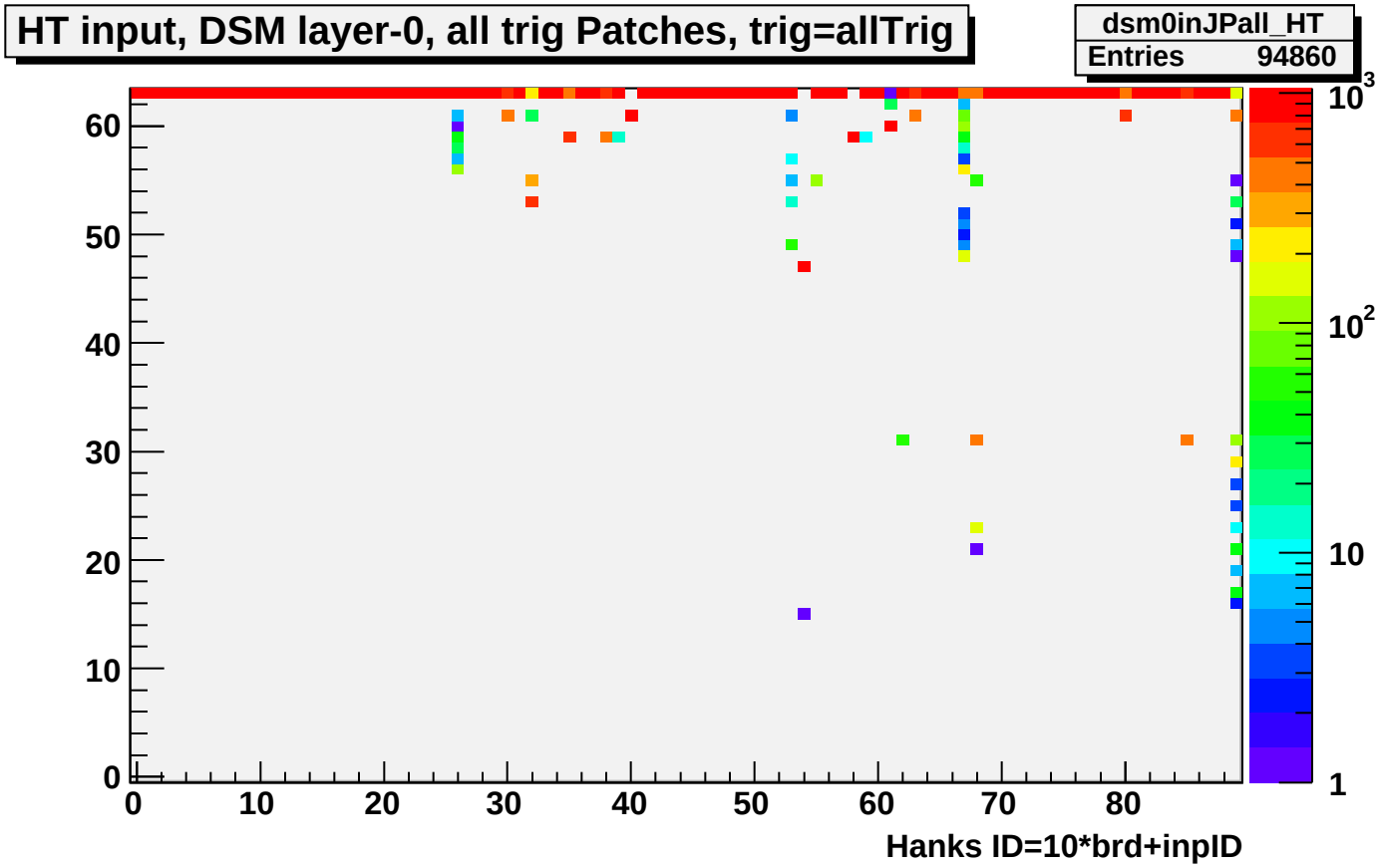
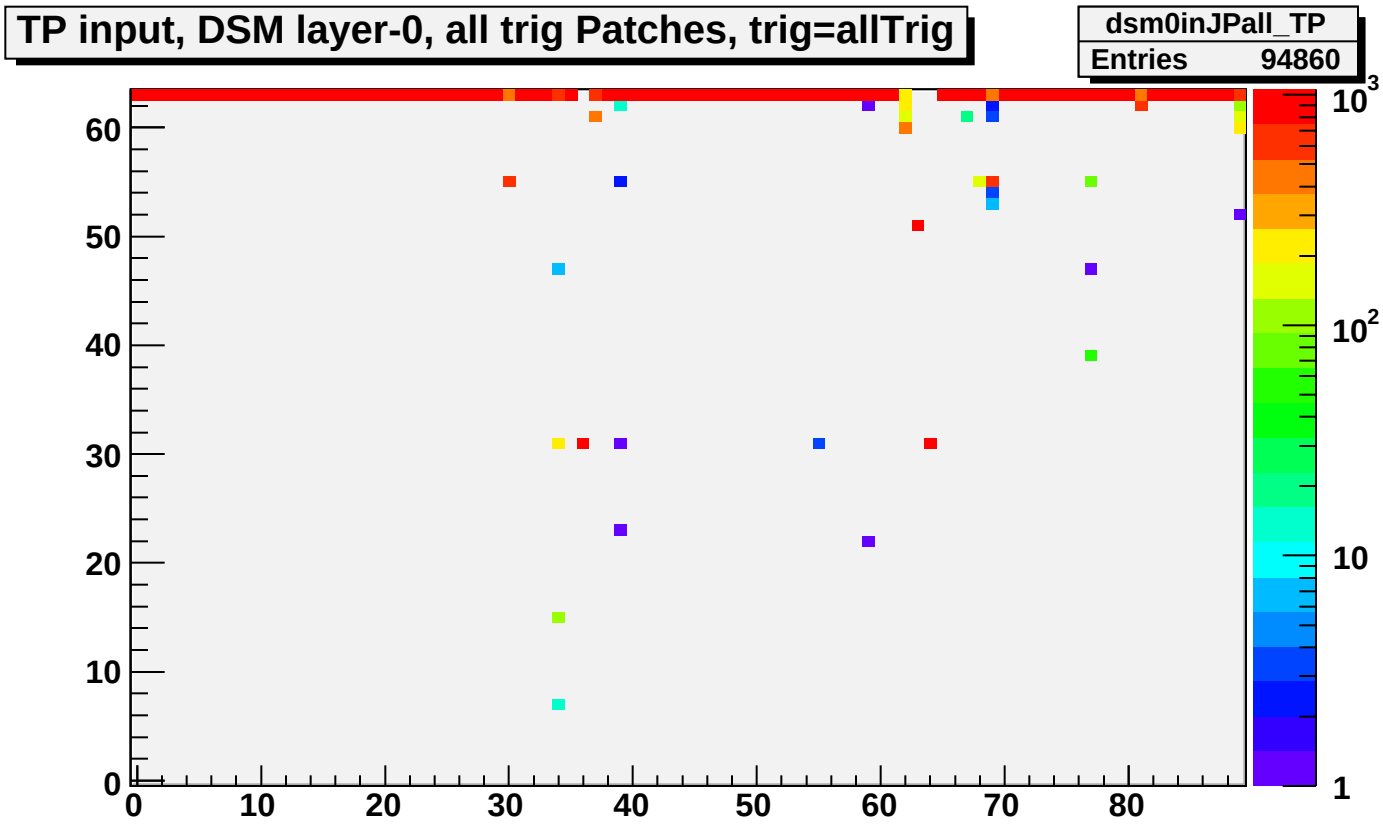
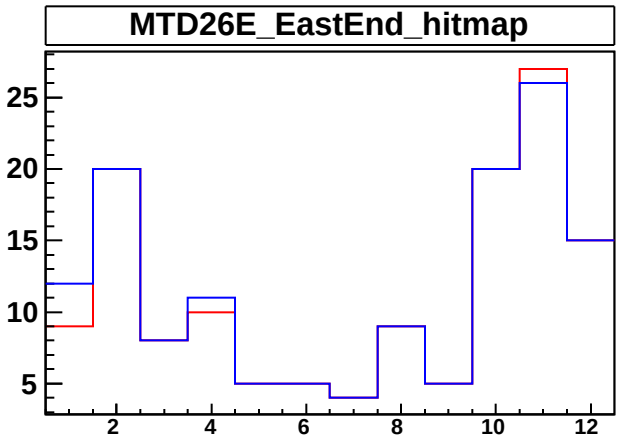
0 100 200 300 400 500 600 700 800 900

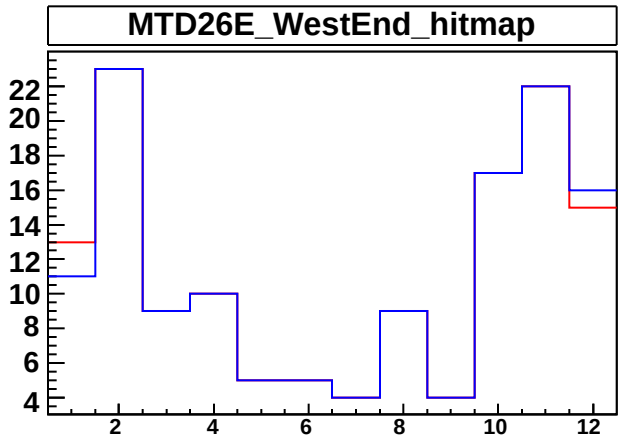

11S3
cr110
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

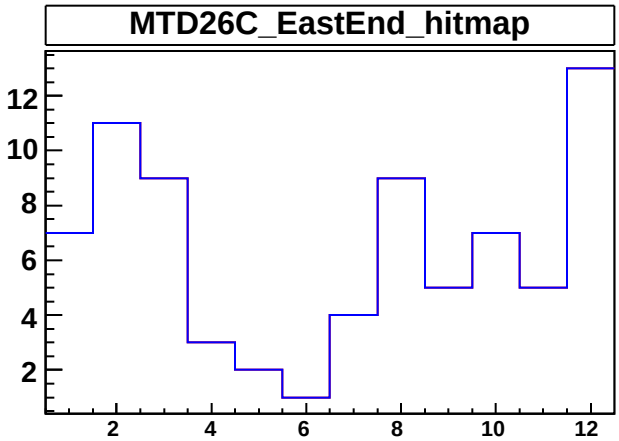

11P1
cr111
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

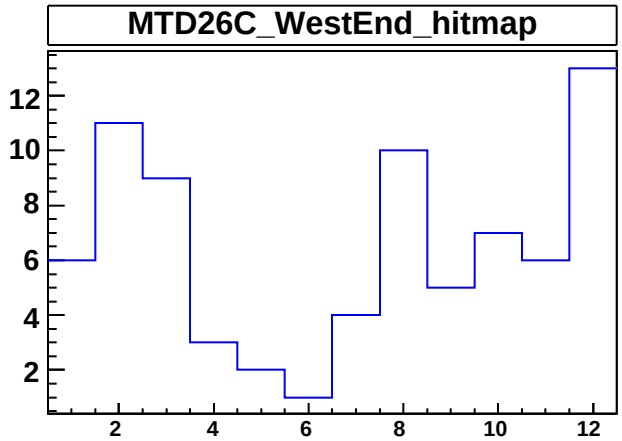

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 94860
Hanks ID=10*brd+inpID

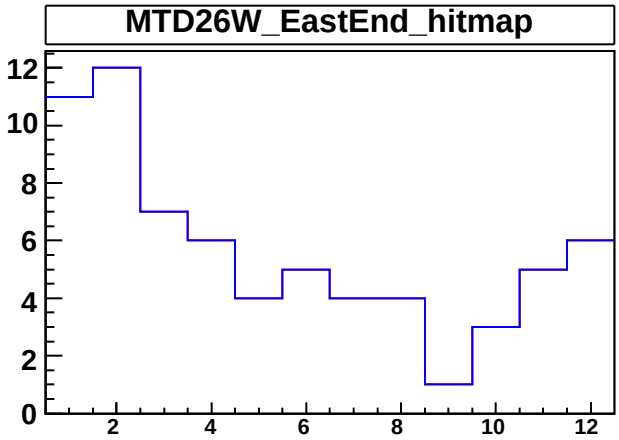

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 94860

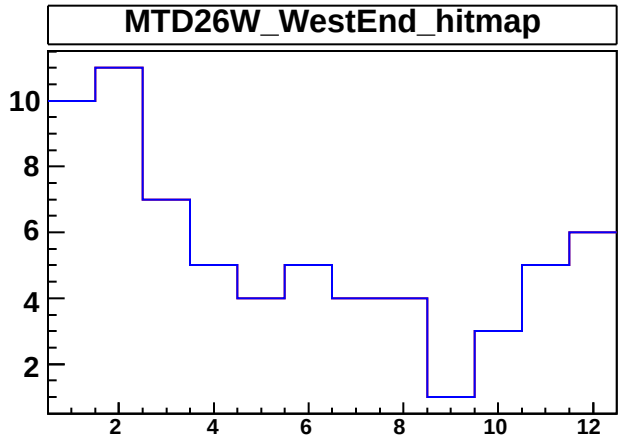

MTD26E_EastEnd_hitmap

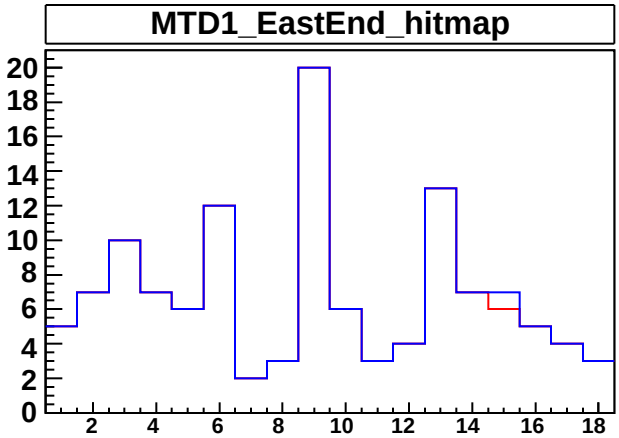

MTD26E_WestEnd_hitmap

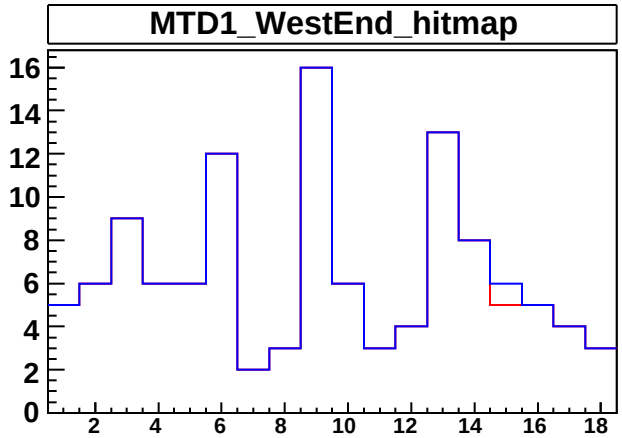

MTD26C_EastEnd_hitmap

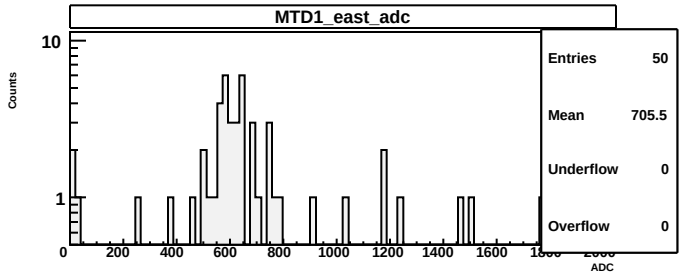

MTD26C_WestEnd_hitmap

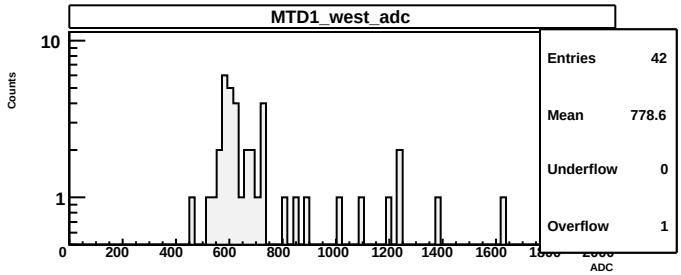

MTD26W_EastEnd_hitmap

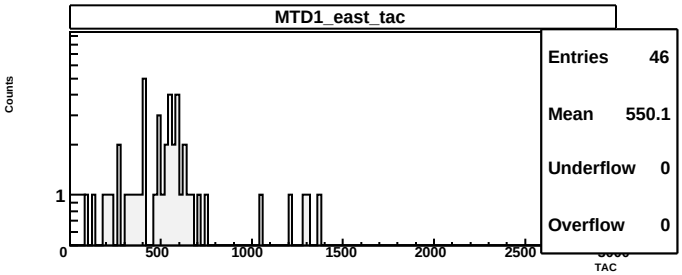

MTD26W_WestEnd_hitmap

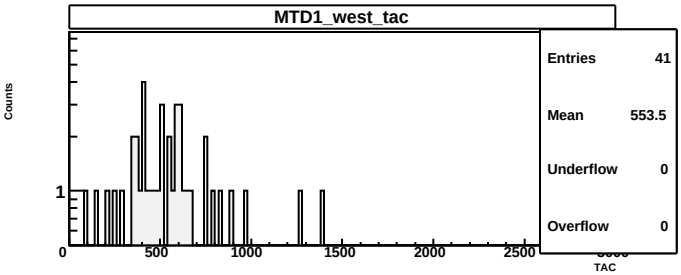

MTD1_EastEnd_hitmap

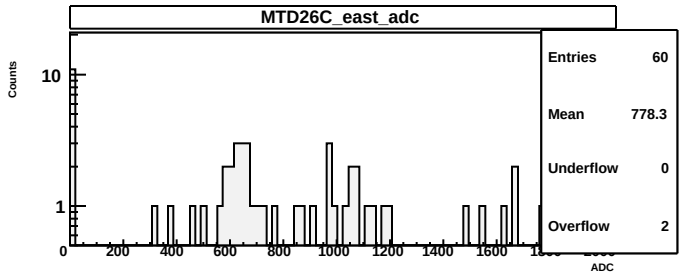

MTD1_WestEnd_hitmap

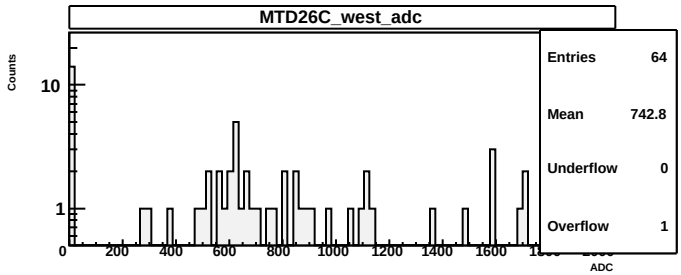

MTD1_east_adc
Counts
ADC
Entries 50
Mean 705.5
Underflow 0
Overflow 0

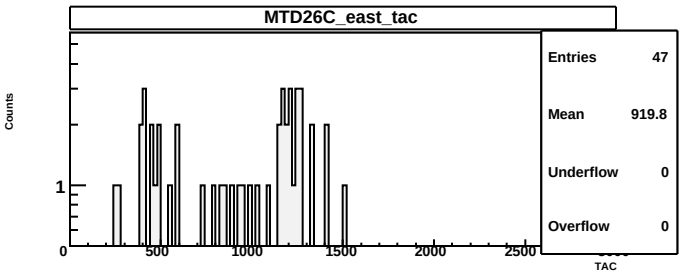

MTD1_west_adc
Counts
ADC
Entries 42
Mean 778.6
Underflow 0
Overflow 1

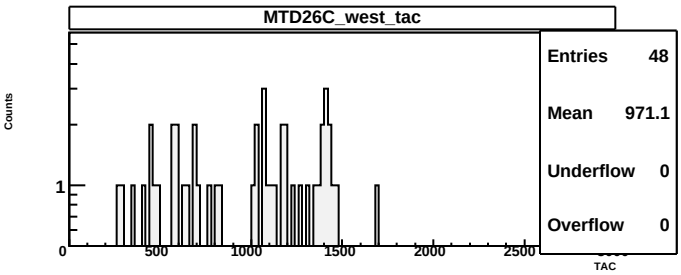

MTD1_east_tac
Counts
TAC
Entries 46
Mean 550.1
Underflow 0
Overflow 0

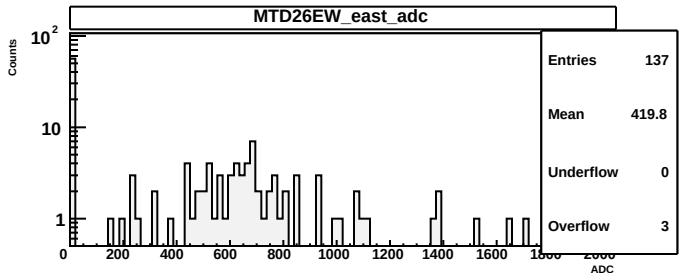

MTD1_west_tac
Counts
TAC
Entries 41
Mean 553.5
Underflow 0
Overflow 0

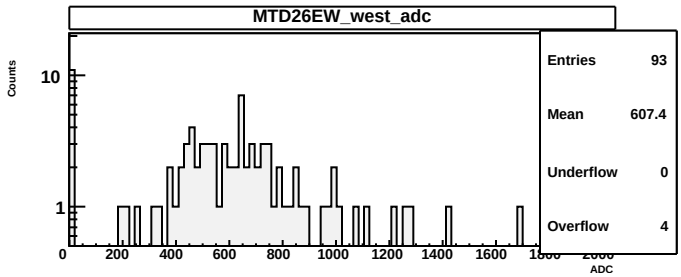

MTD26C_east_adc
Counts
ADC
Entries 60
Mean 778.3
Underflow 0
Overflow 2

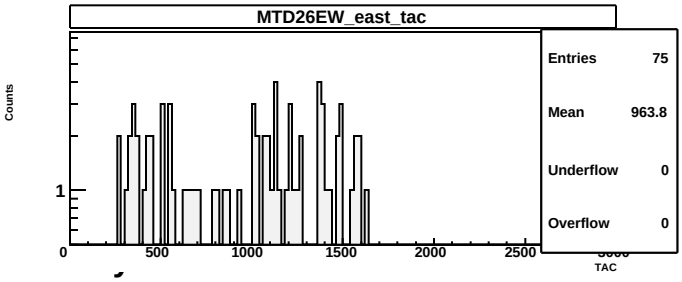

MTD26C_west_adc
Counts
ADC
Entries 64
Mean 742.8
Underflow 0
Overflow 1

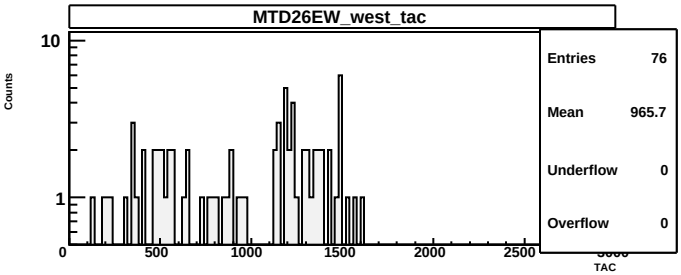

MTD26C_east_tac
Counts
TAC
Entries 47
Mean 919.8
Underflow 0
Overflow 0

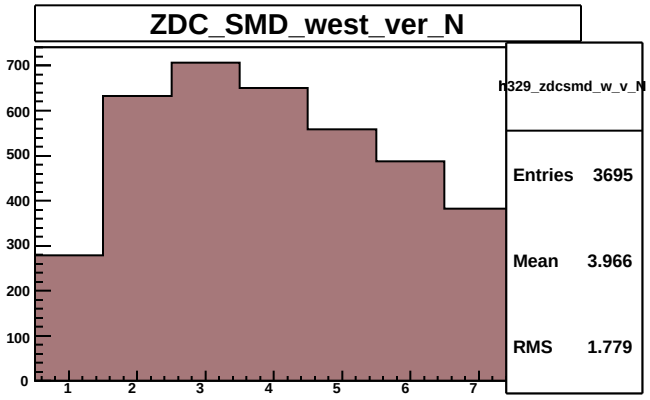

MTD26C_west_tac
Counts
TAC
Entries 48
Mean 971.1
Underflow 0
Overflow 0

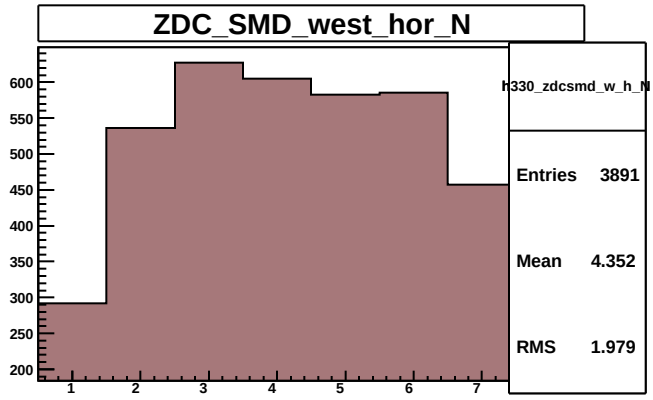

MTD26EW_east_adc
Counts
ADC
Entries 137
Mean 419.8
Underflow 0
Overflow 3

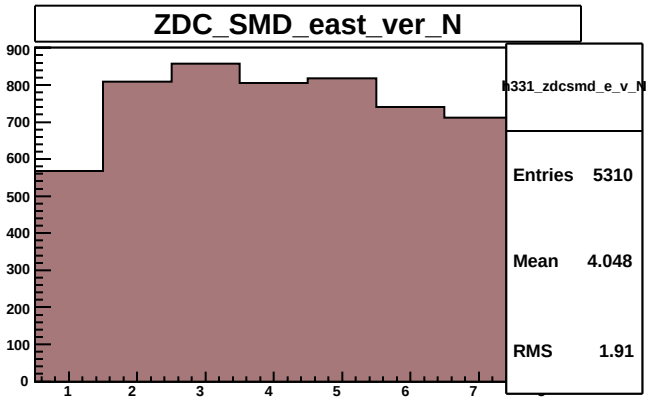

MTD26EW_west_adc
Counts
ADC
Entries 93
Mean 607.4
Underflow 0
Overflow 4

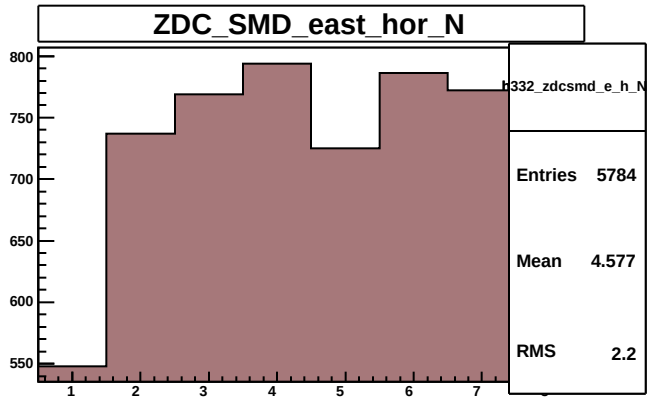

MTD26EW_east_tac
Counts
TAC
Entries 75
Mean 963.8
Underflow 0
Overflow 0

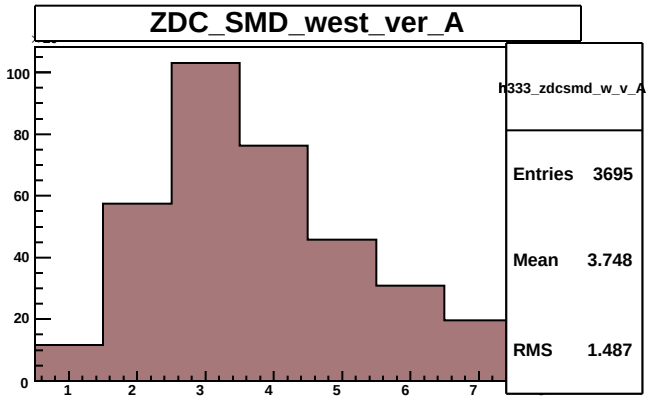

MTD26EW_west_tac
Counts
TAC
Entries 76
Mean 965.7
Underflow 0
Overflow 0

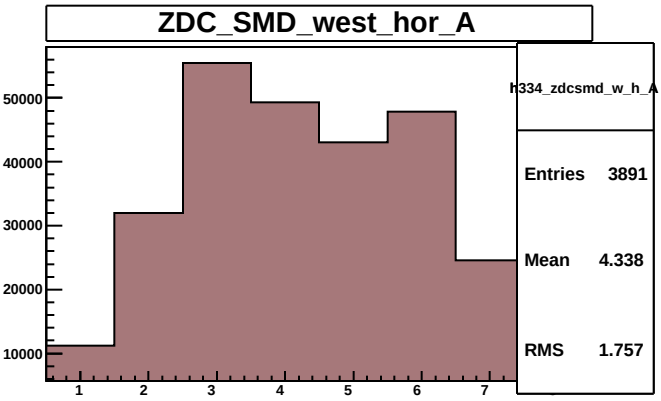

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 3695
Mean 3.966
RMS 1.779

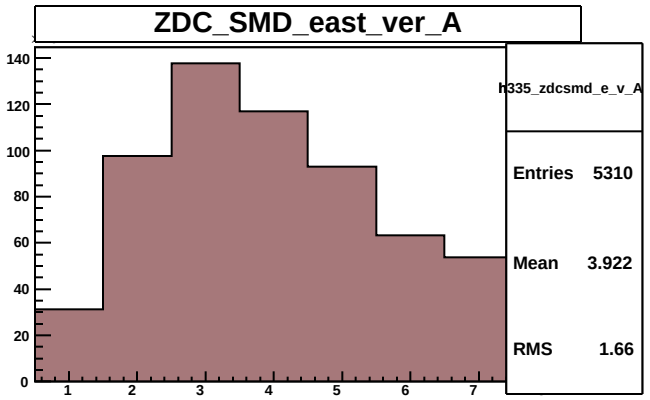

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 3891
Mean 4.352
RMS 1.979

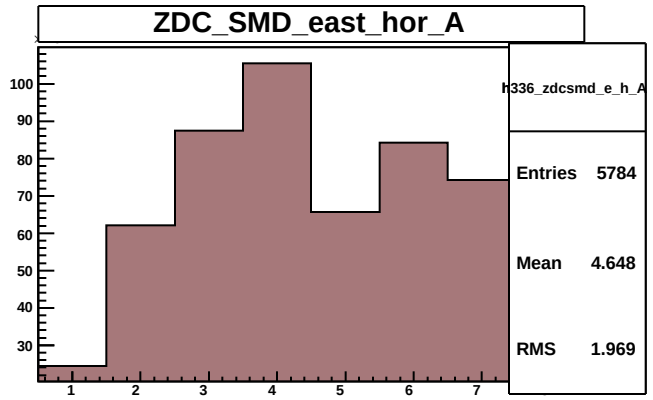

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 5310
Mean 4.048
RMS 1.91

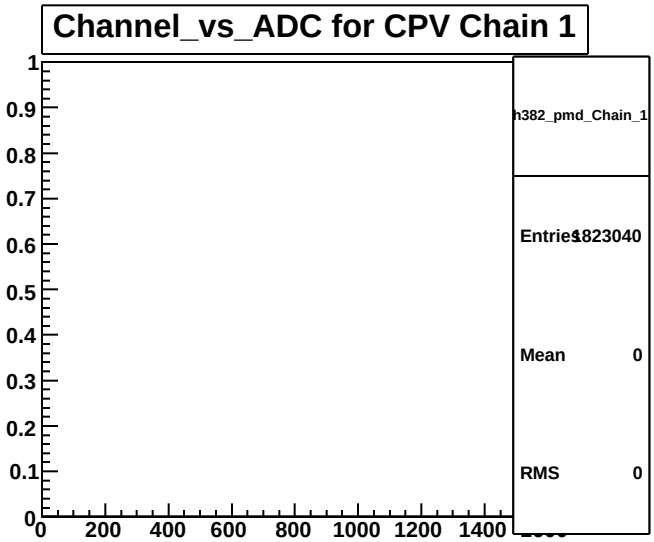

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 5784
Mean 4.577
RMS 2.2

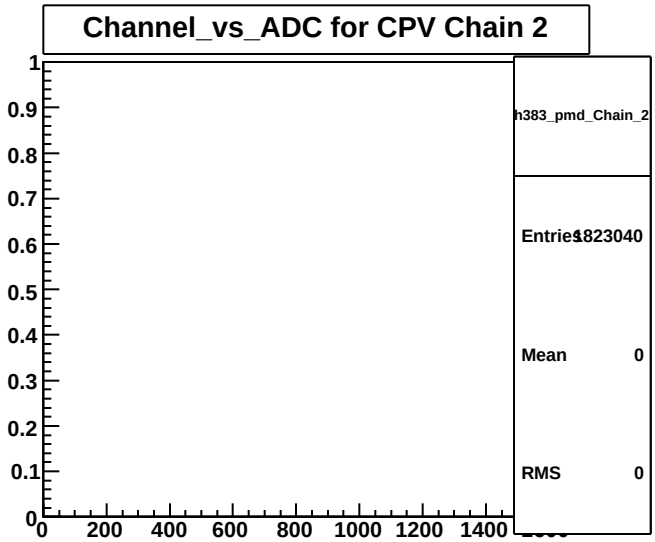

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 3695
Mean 3.748
RMS 1.487

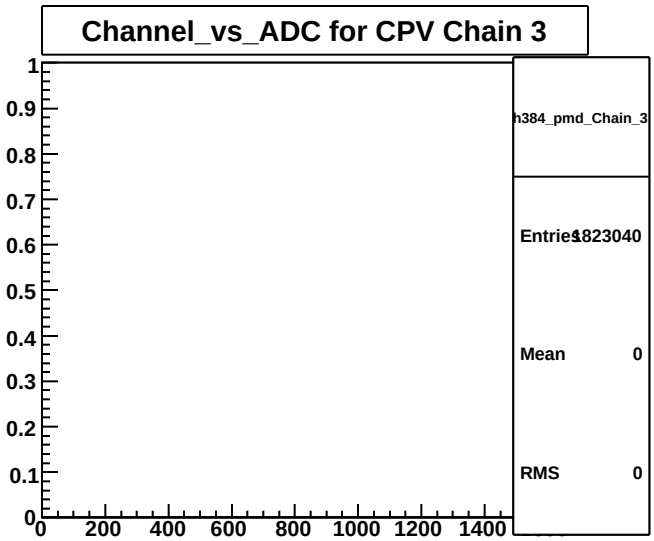

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 3891
Mean 4.338
RMS 1.757

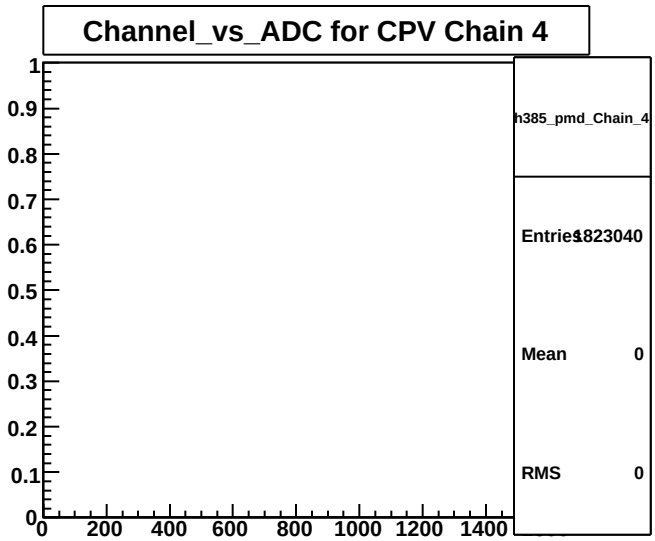

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 5310
Mean 3.922
RMS 1.66

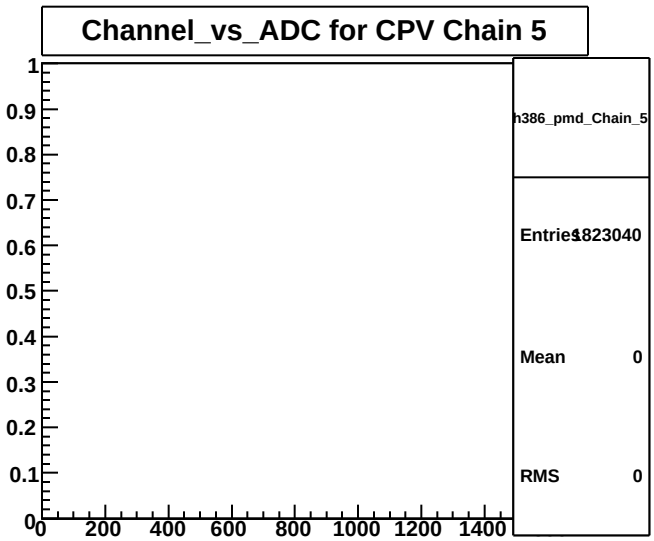

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 5784
Mean 4.648
RMS 1.969

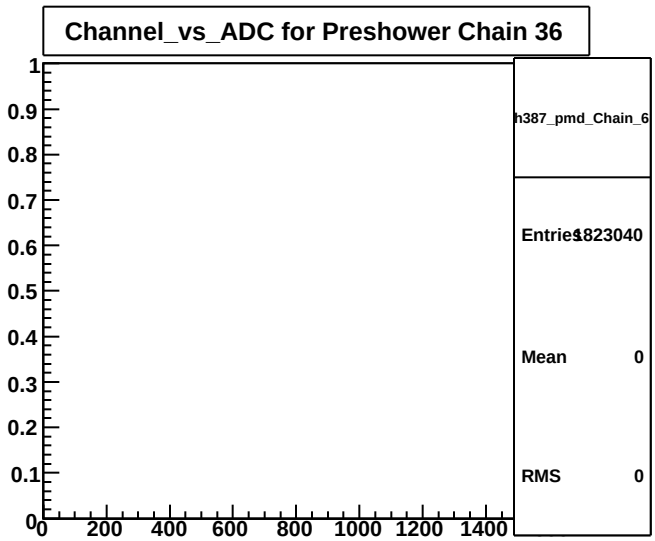

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 1823040
Mean 0
RMS 0

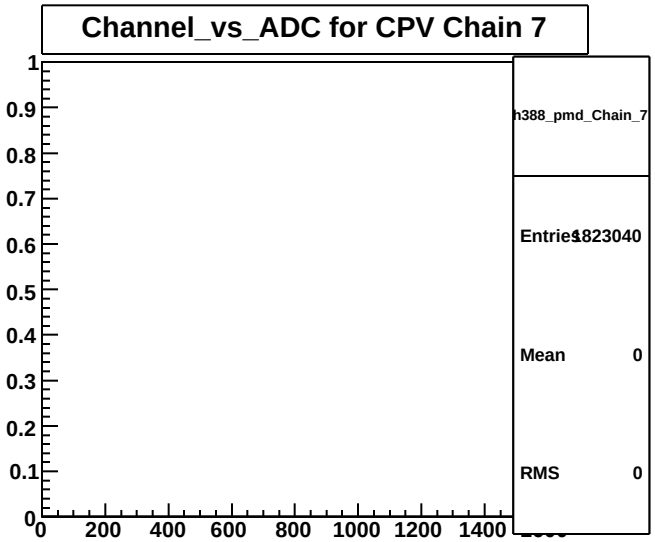

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 1823040
Mean 0
RMS 0

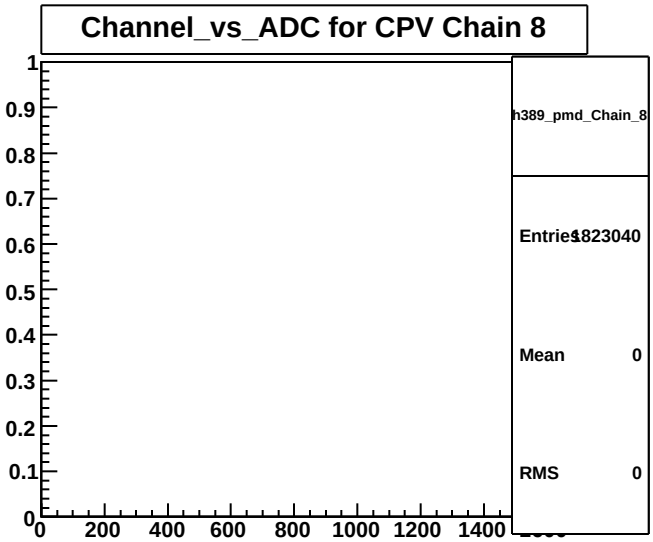

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 1823040
Mean 0
RMS 0

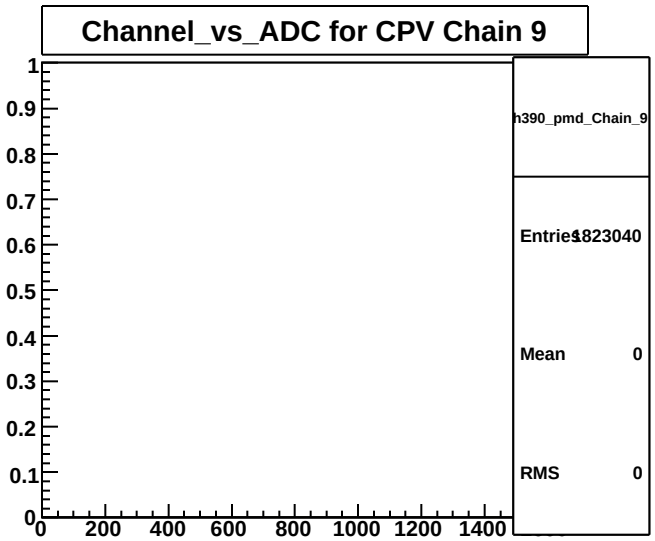

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 1823040
Mean 0
RMS 0

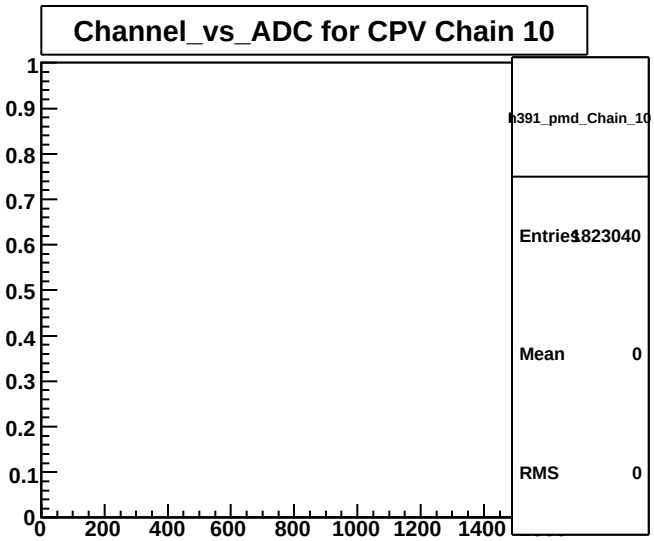

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 1823040
Mean 0
RMS 0

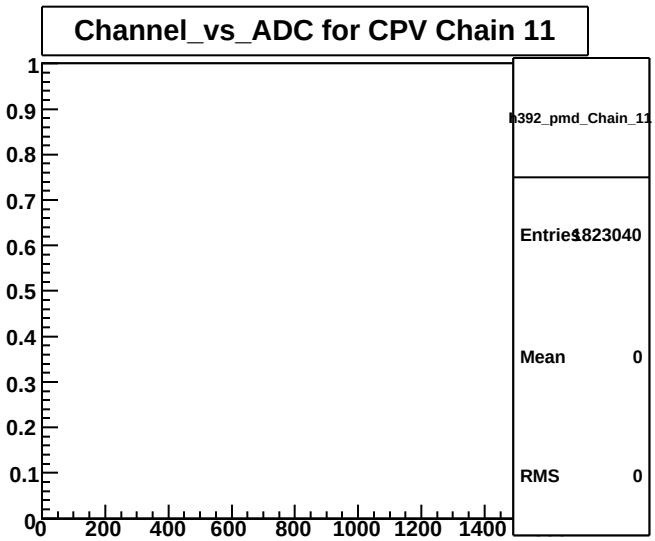

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 1823040
Mean 0
RMS 0

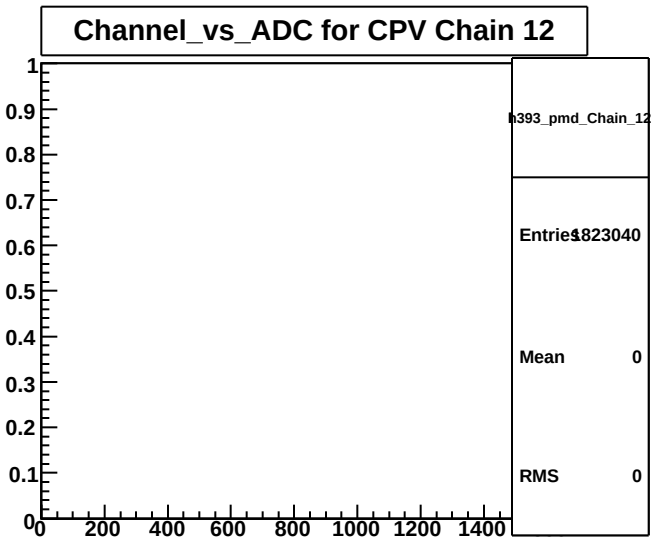

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 1823040
Mean 0
RMS 0

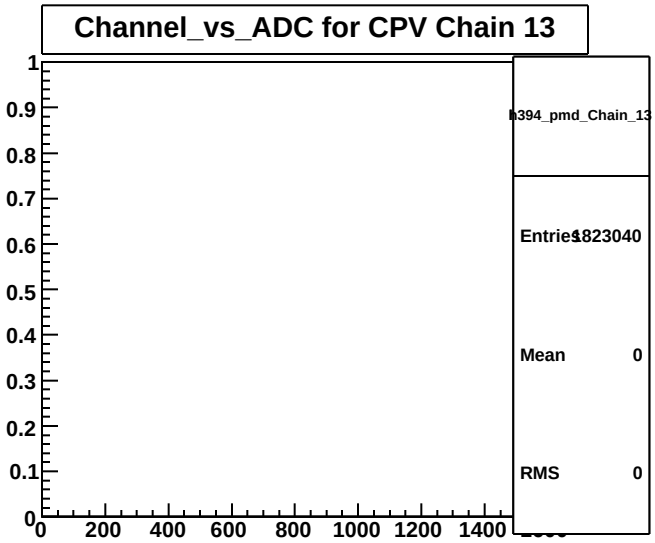

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 1823040
Mean 0
RMS 0

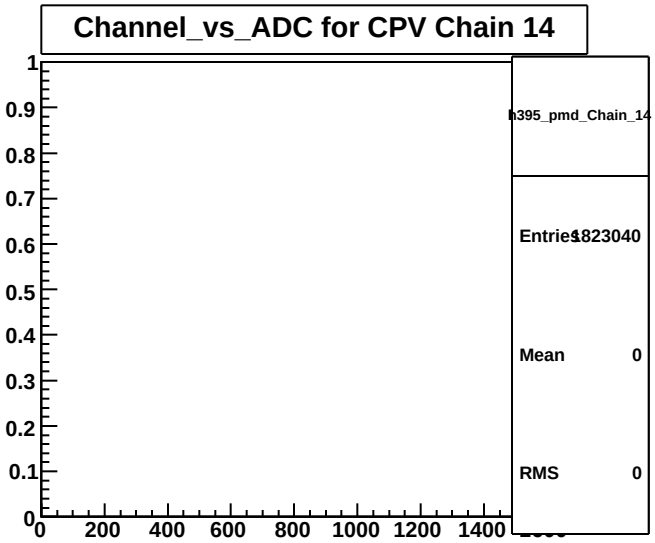

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 1823040
Mean 0
RMS 0

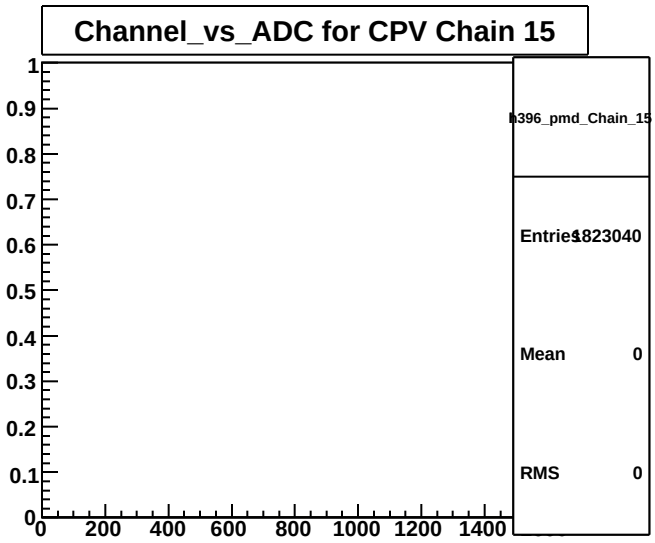

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 1823040
Mean 0
RMS 0

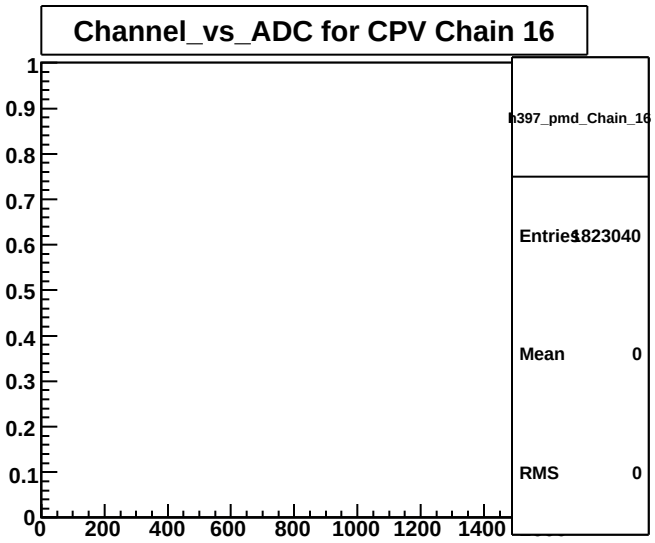

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 1823040
Mean 0
RMS 0

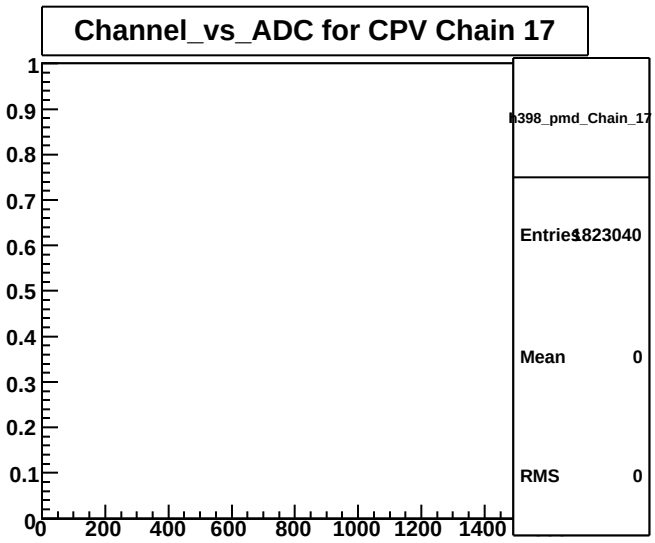

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 1823040
Mean 0
RMS 0

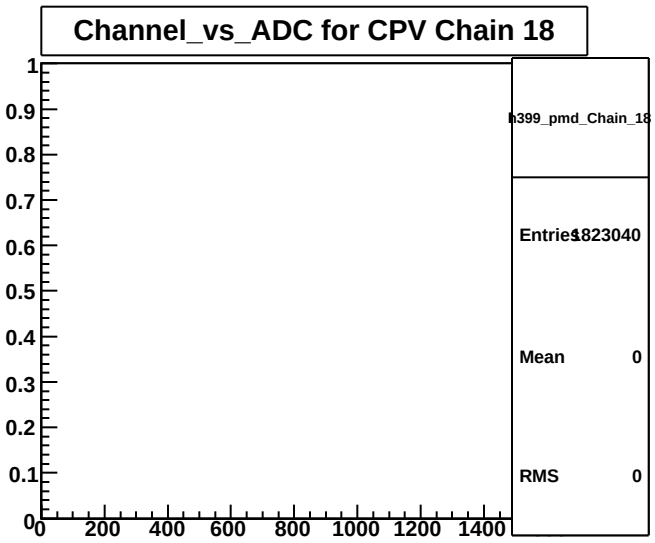

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 1823040
Mean 0
RMS 0

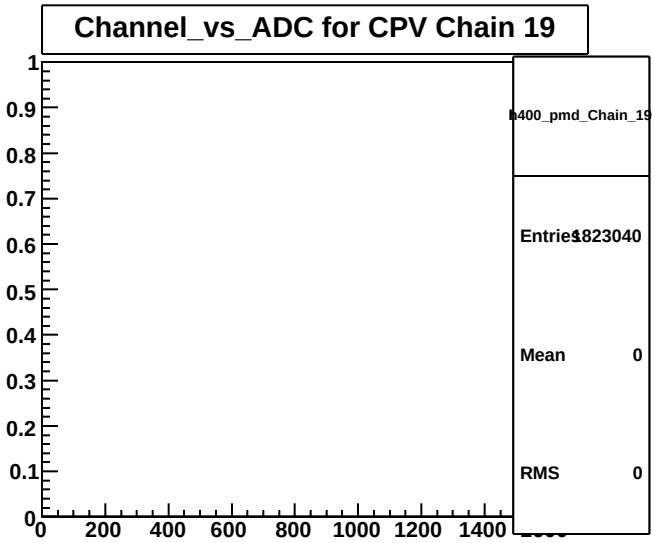

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 1823040
Mean 0
RMS 0

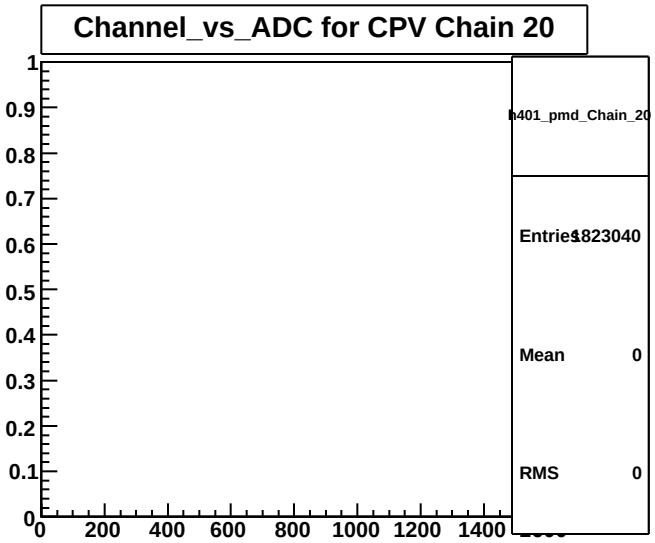

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 1823040
Mean 0
RMS 0

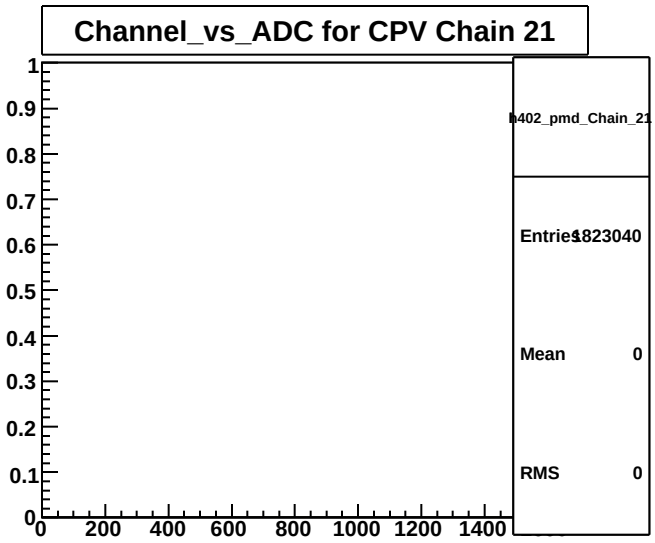

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 1823040
Mean 0
RMS 0

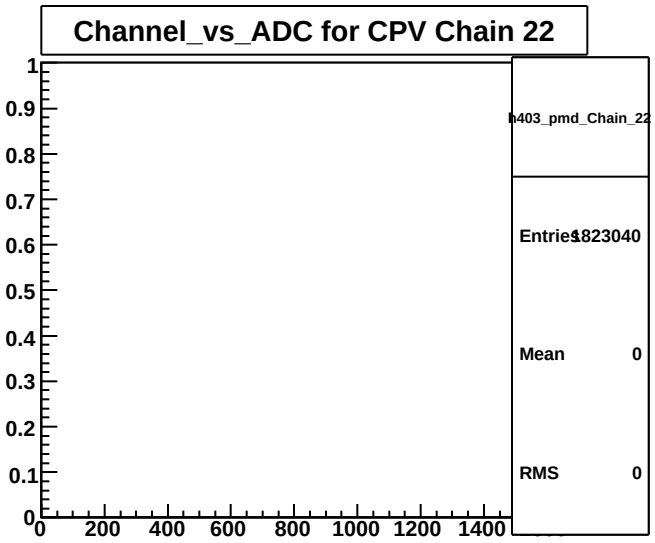

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 1823040
Mean 0
RMS 0

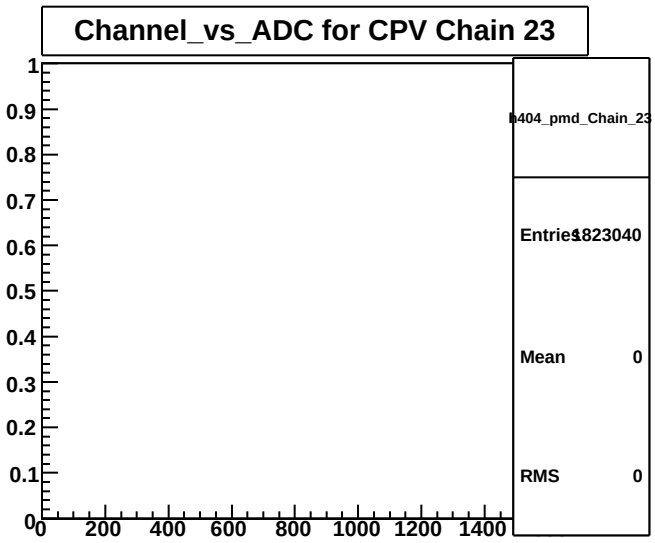

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 1823040
Mean 0
RMS 0

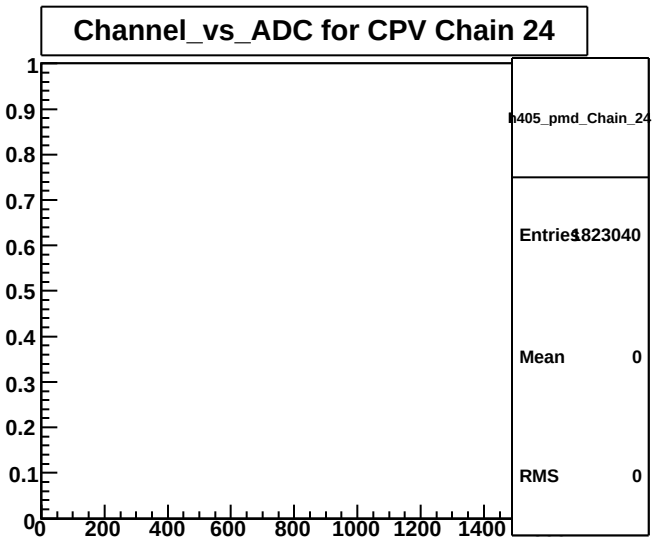

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 1823040
Mean 0
RMS 0

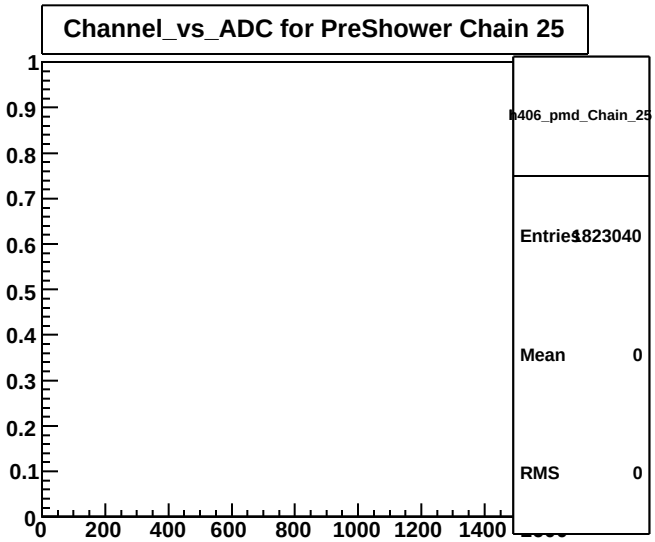

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 1823040
Mean 0
RMS 0

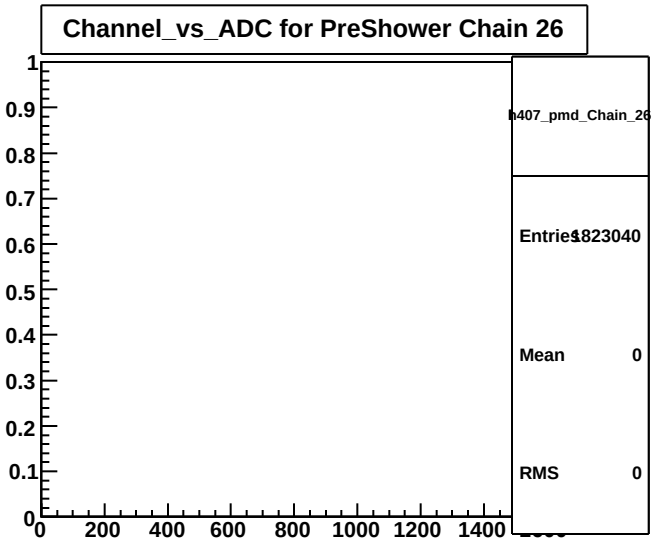

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 1823040
Mean 0
RMS 0

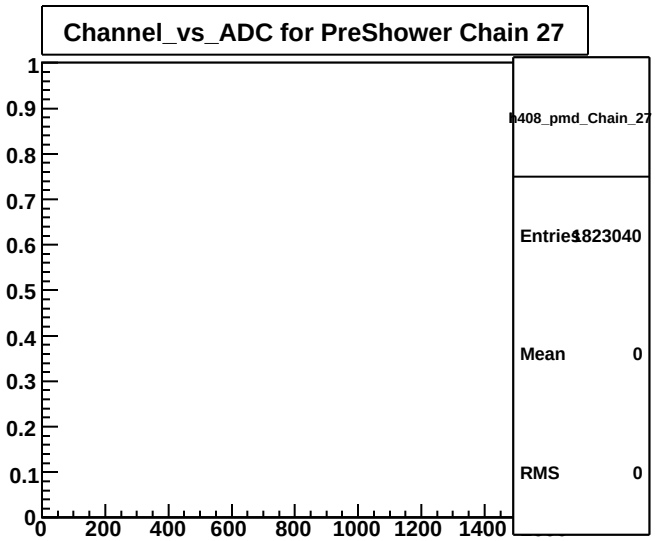

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 1823040
Mean 0
RMS 0

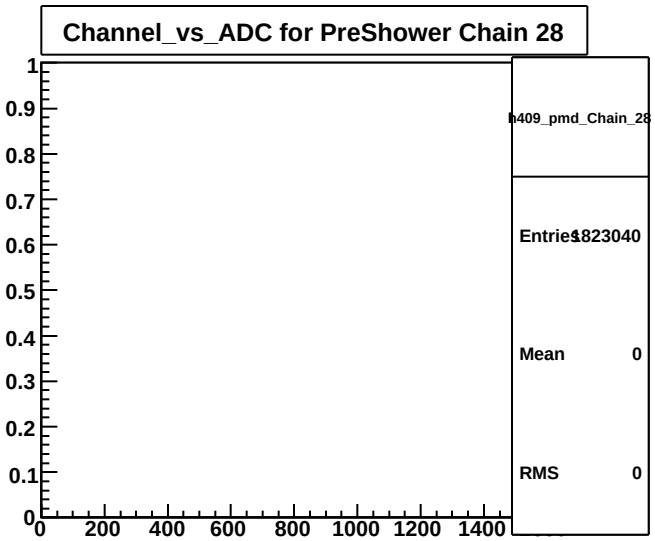

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 1823040
Mean 0
RMS 0

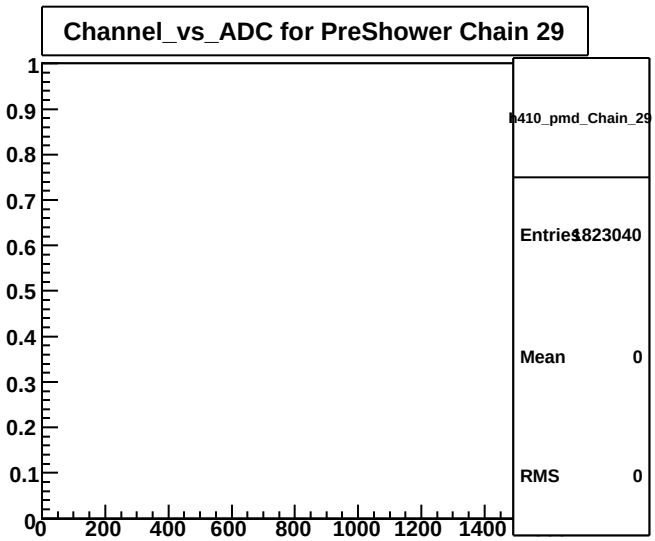

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 1823040
Mean 0
RMS 0

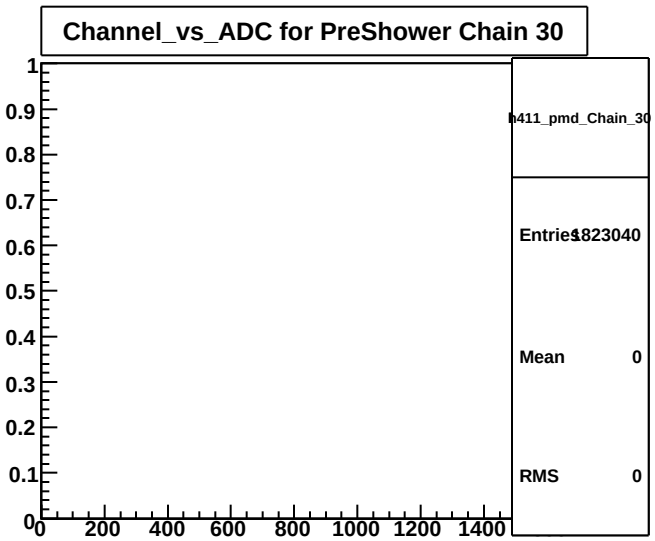

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 1823040
Mean 0
RMS 0

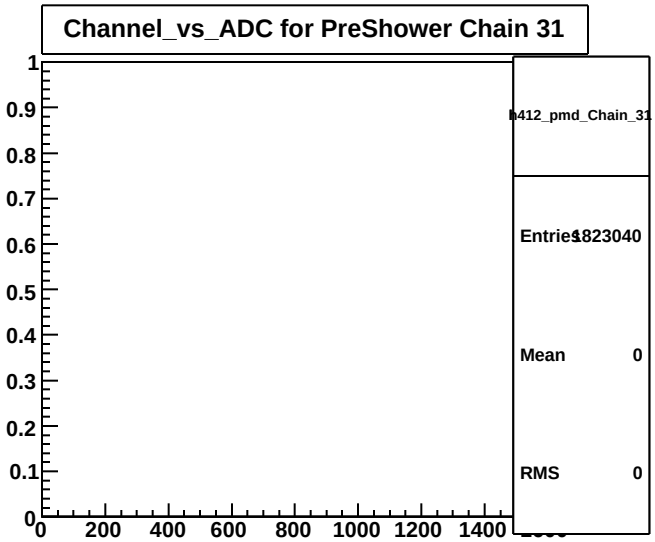

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 1823040
Mean 0
RMS 0

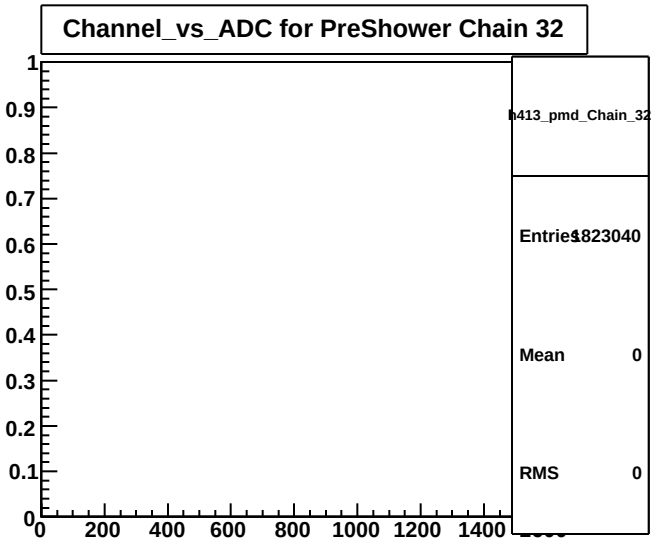

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 1823040
Mean 0
RMS 0

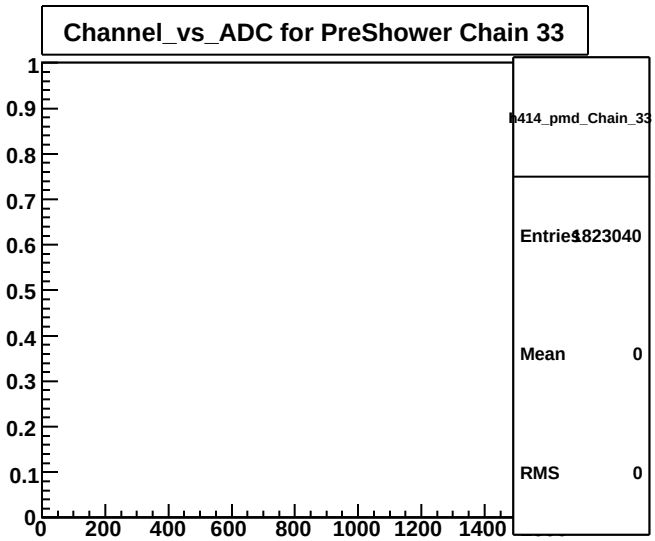

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 1823040
Mean 0
RMS 0

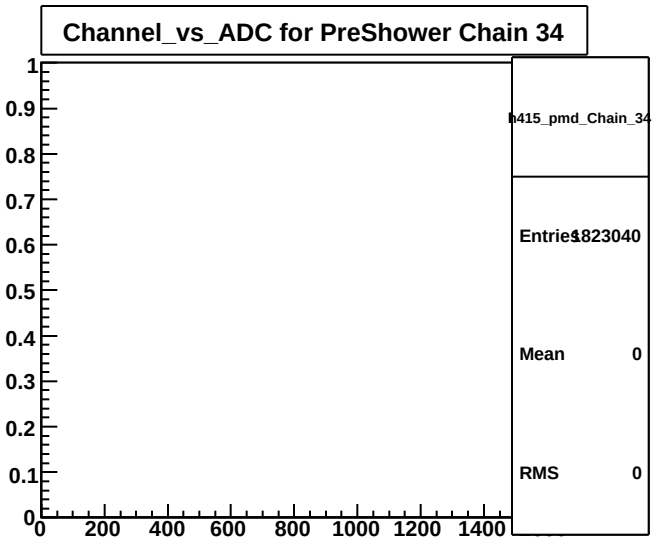

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 1823040
Mean 0
RMS 0

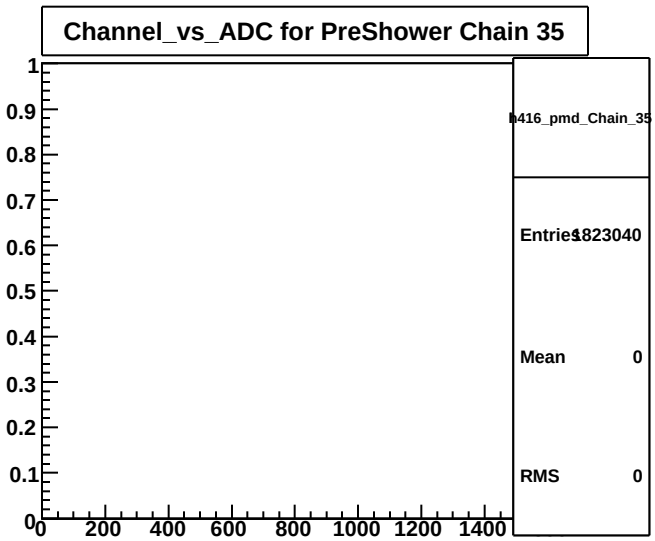

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 1823040
Mean 0
RMS 0

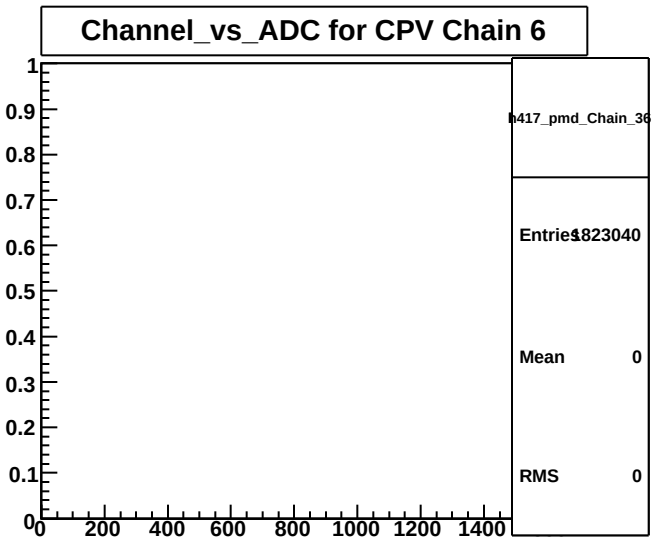

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 1823040
Mean 0
RMS 0

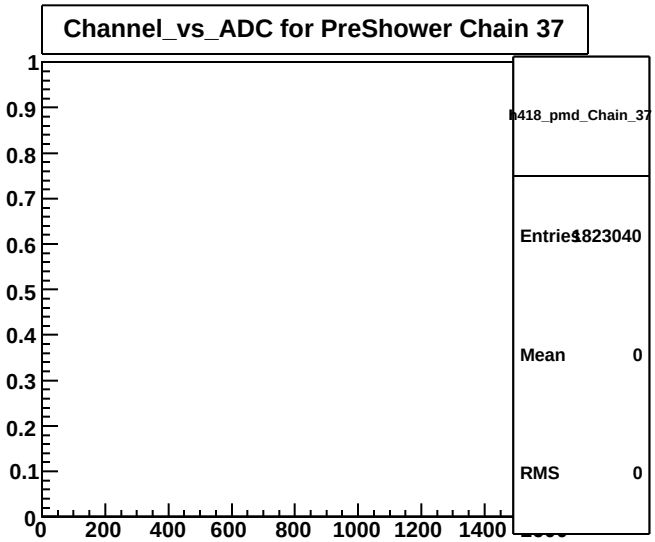

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 1823040
Mean 0
RMS 0

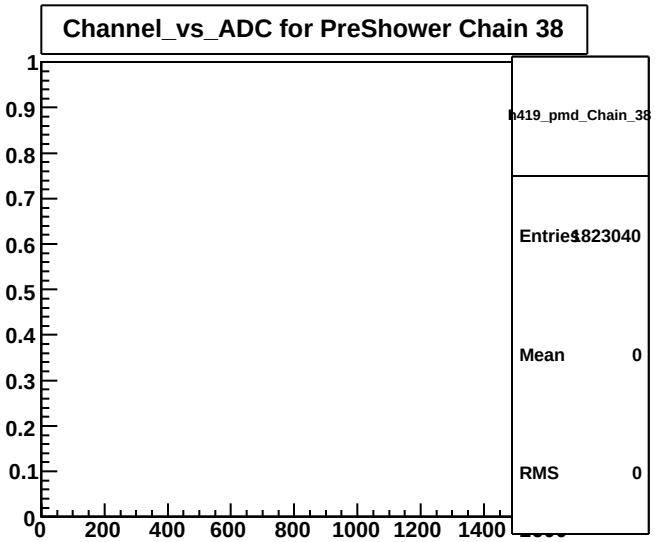

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 1823040
Mean 0
RMS 0

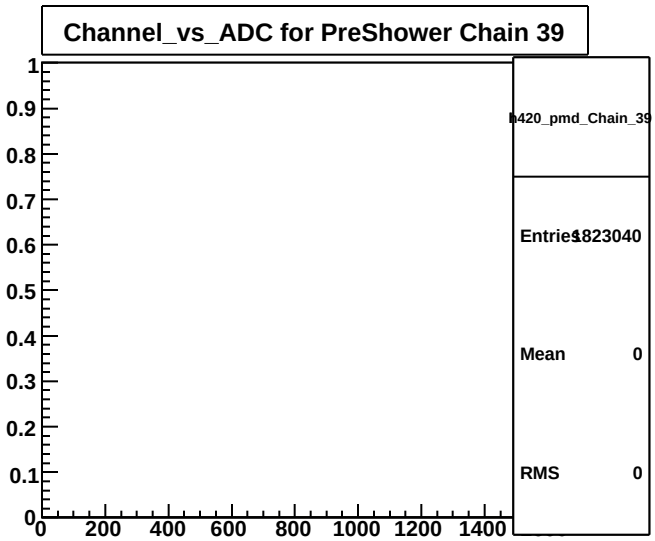

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 1823040
Mean 0
RMS 0

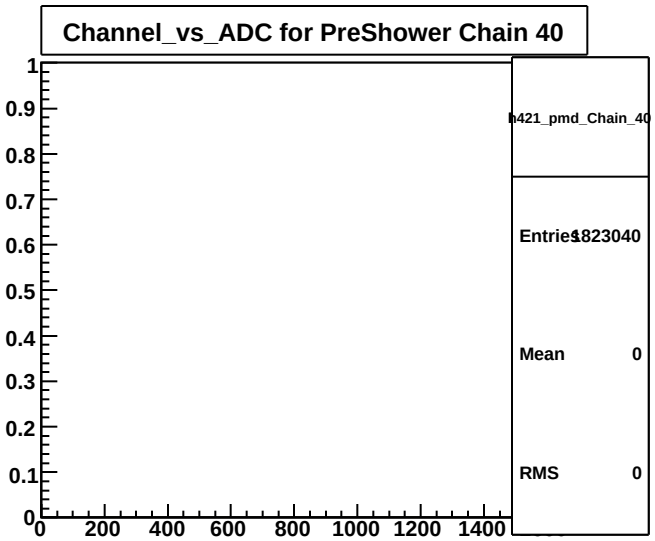

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 1823040
Mean 0
RMS 0

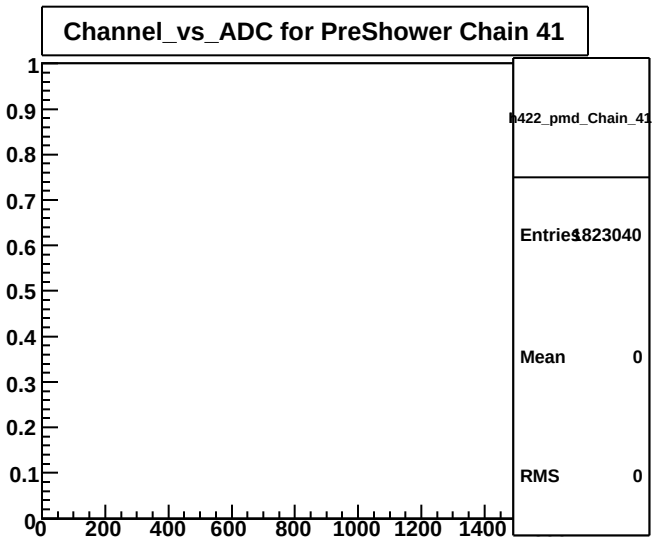

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 1823040
Mean 0
RMS 0

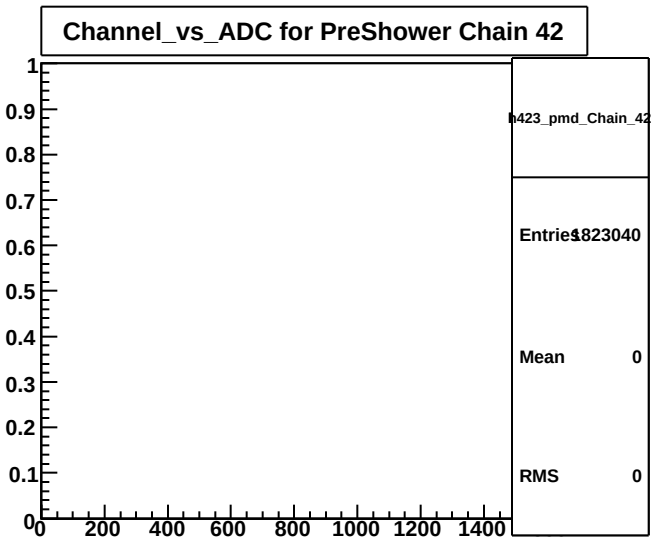

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 1823040
Mean 0
RMS 0

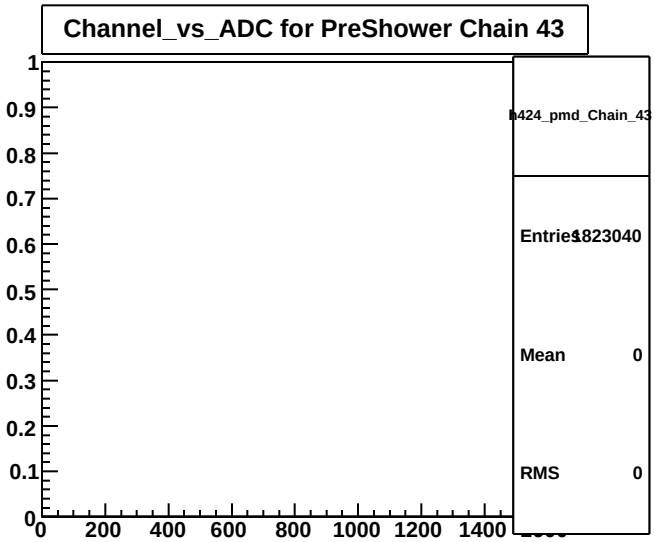

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 1823040
Mean 0
RMS 0

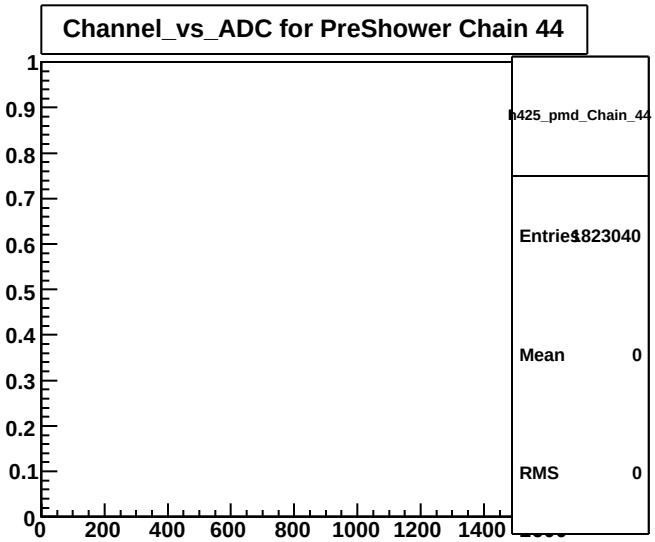

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 1823040
Mean 0
RMS 0

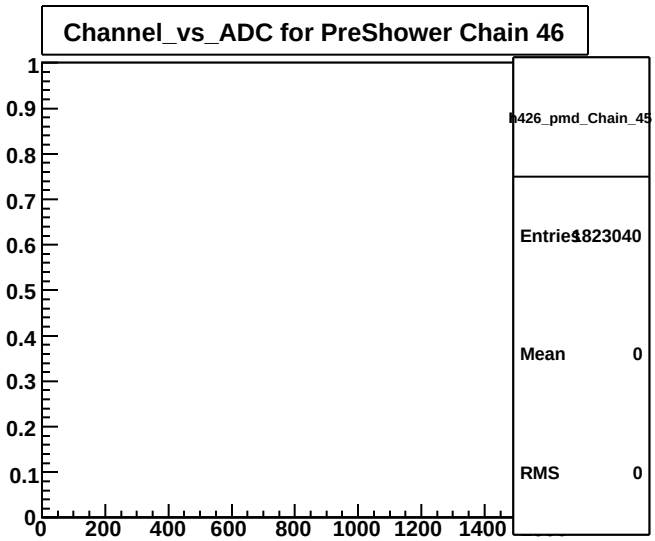

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 1823040
Mean 0
RMS 0

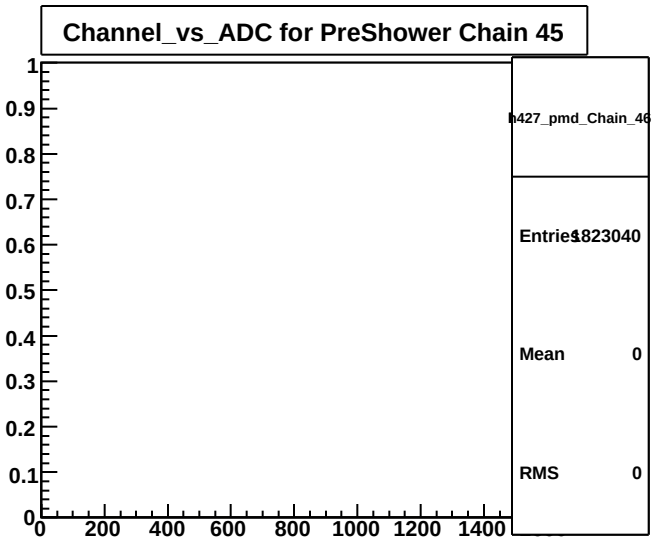

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 1823040
Mean 0
RMS 0

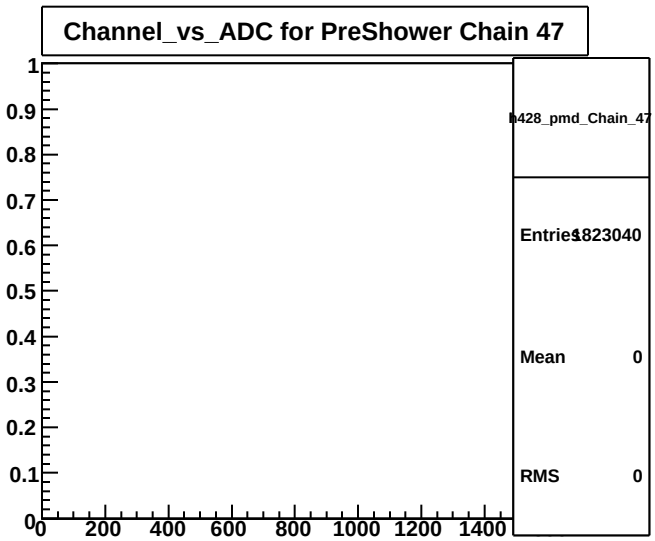

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 1823040
Mean 0
RMS 0

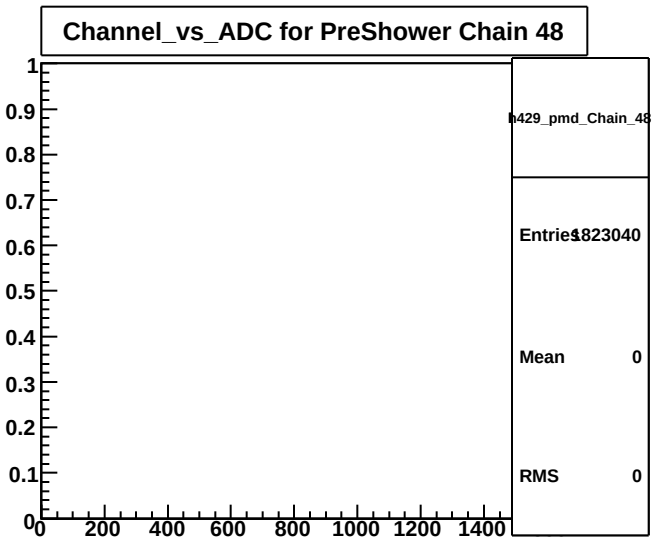

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 1823040
Mean 0
RMS 0

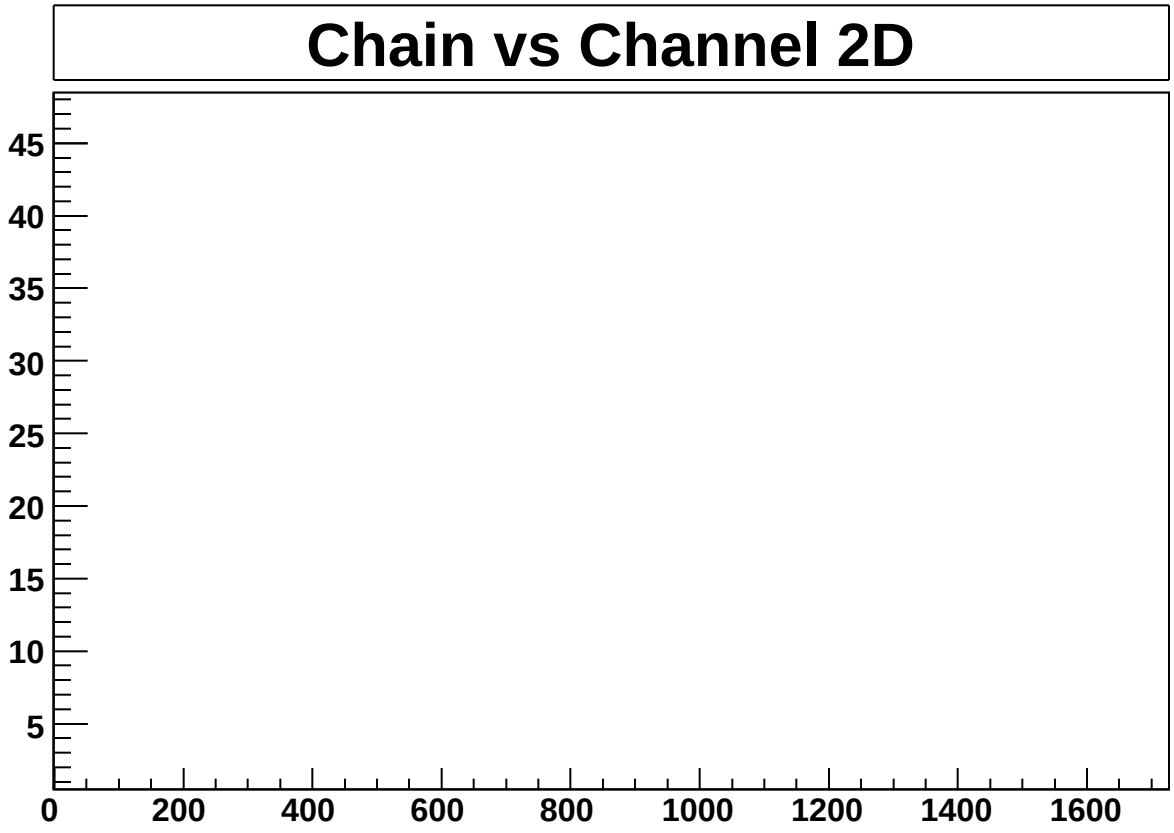

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 1823040
Mean 0
RMS 0

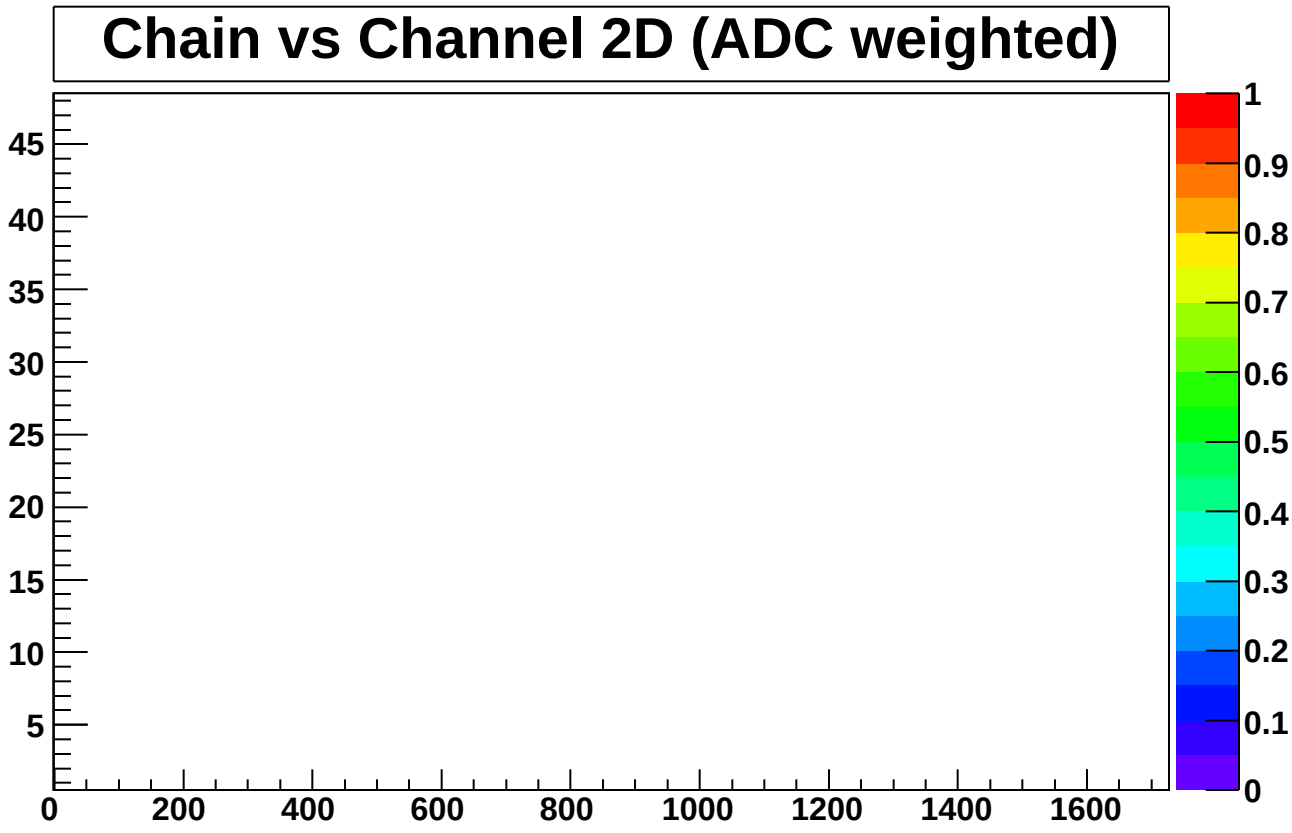

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 1823040
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 1823040
Mean 0
RMS 0

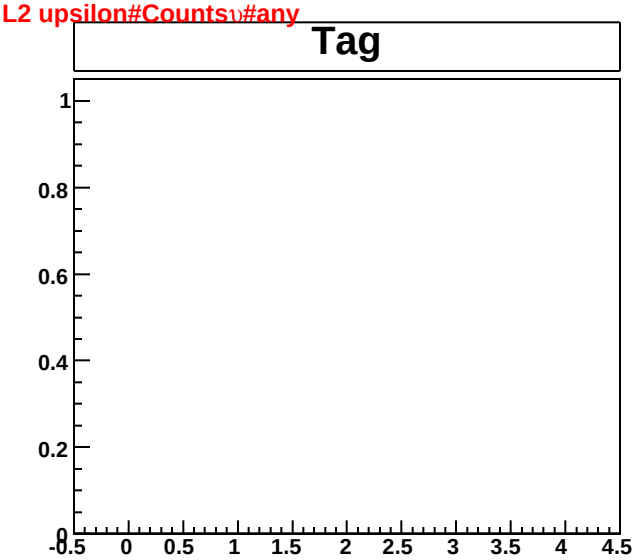

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 1823040
Mean 0
RMS 0

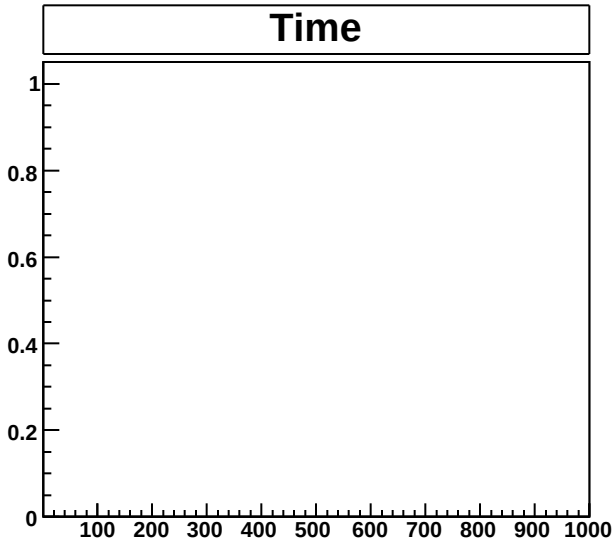

Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 1823040
Mean 0
RMS 0

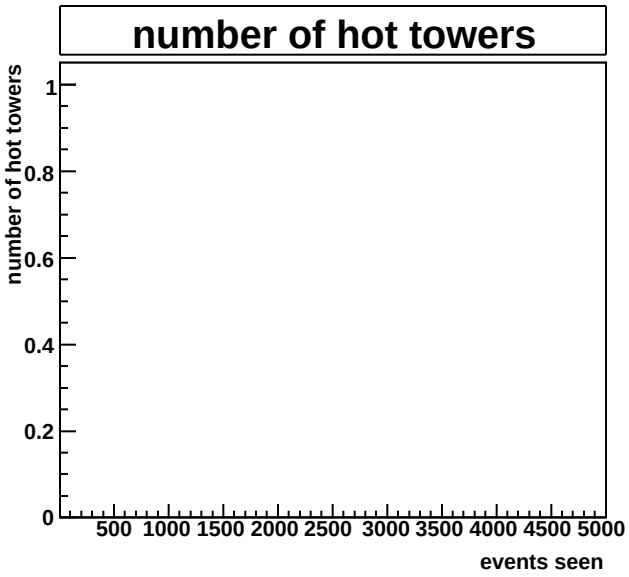

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

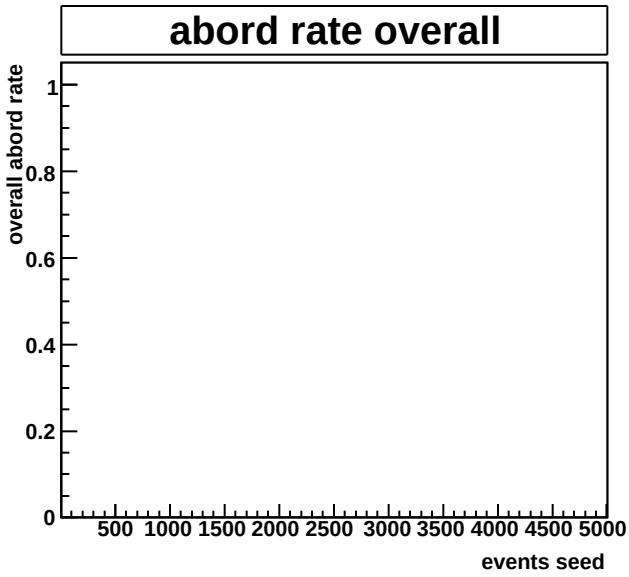

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

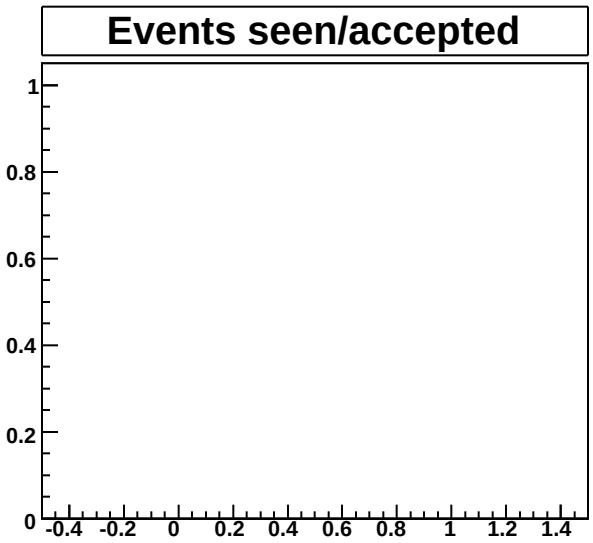
L2 upsilon#Countsυ#any

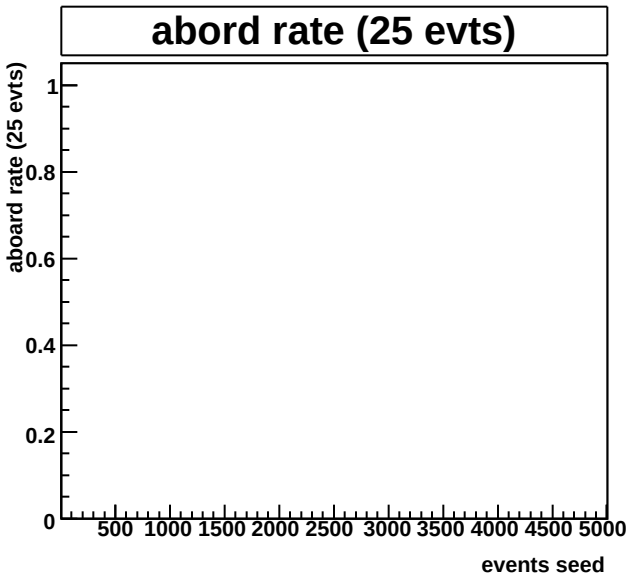


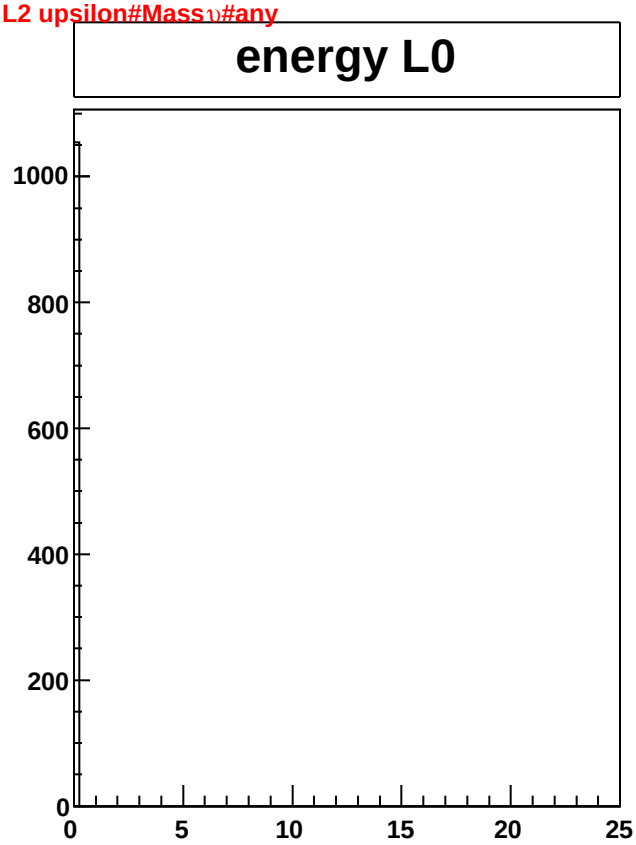



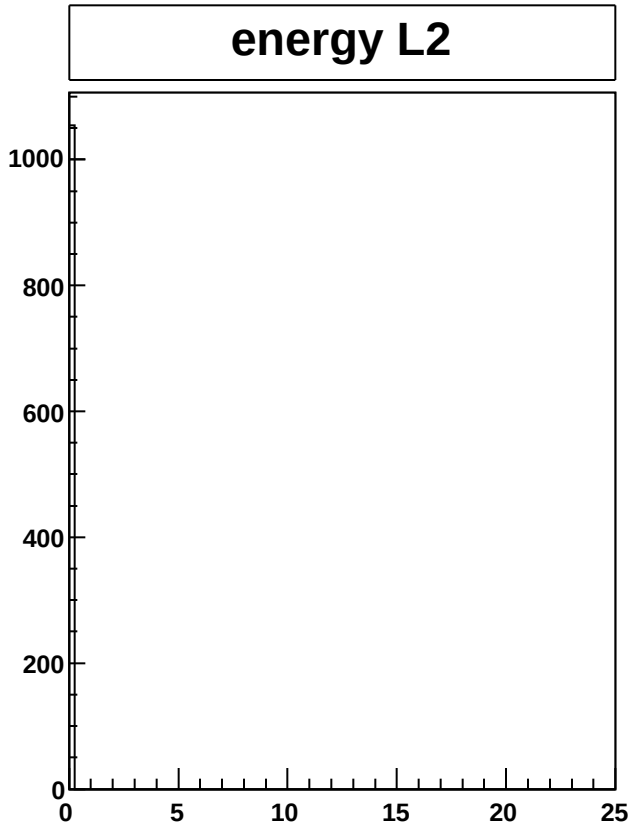



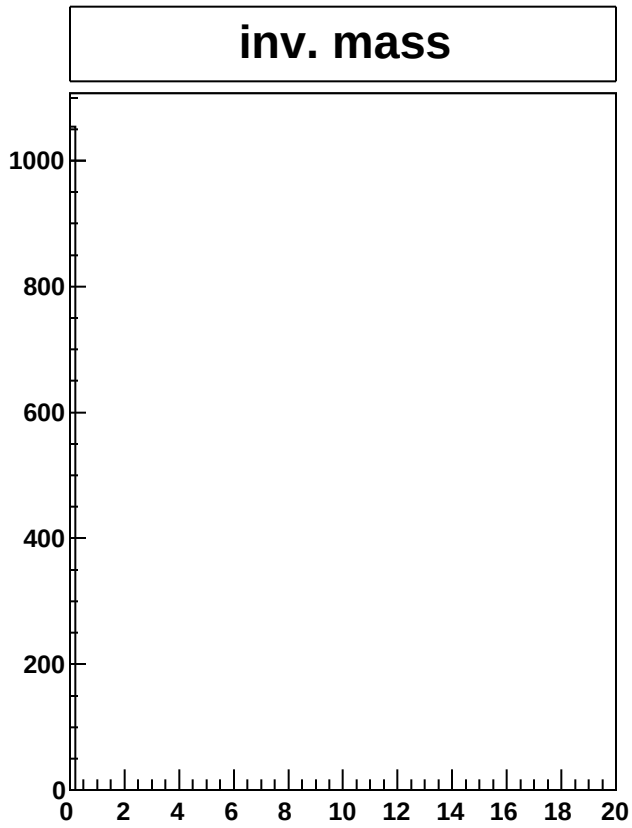



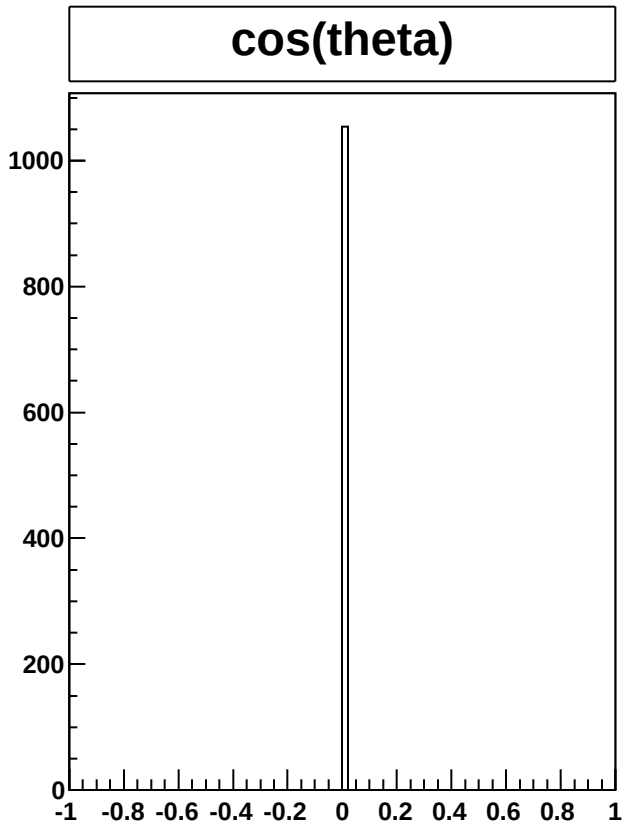



L2 upsilon#Massυ#any

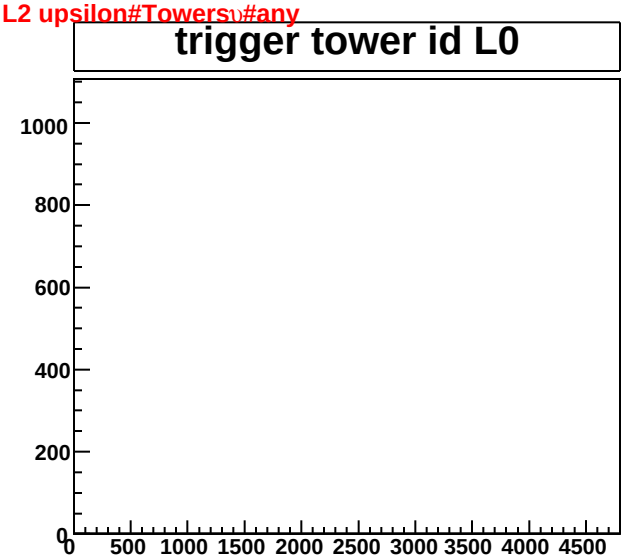


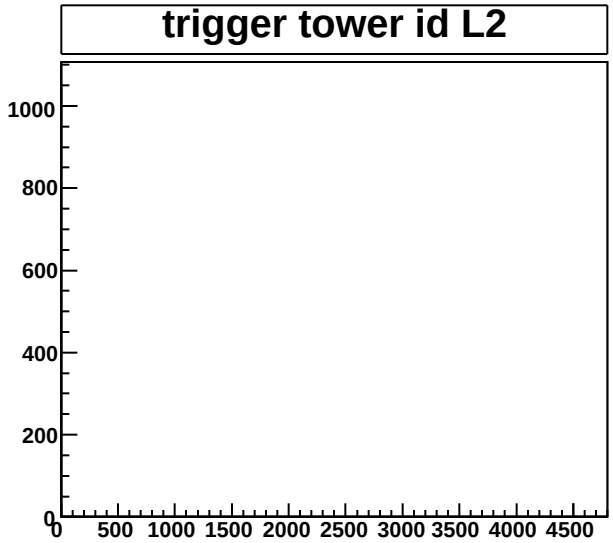



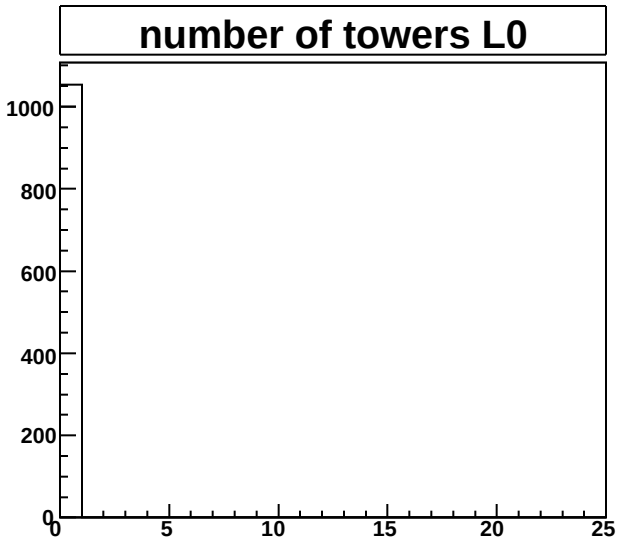



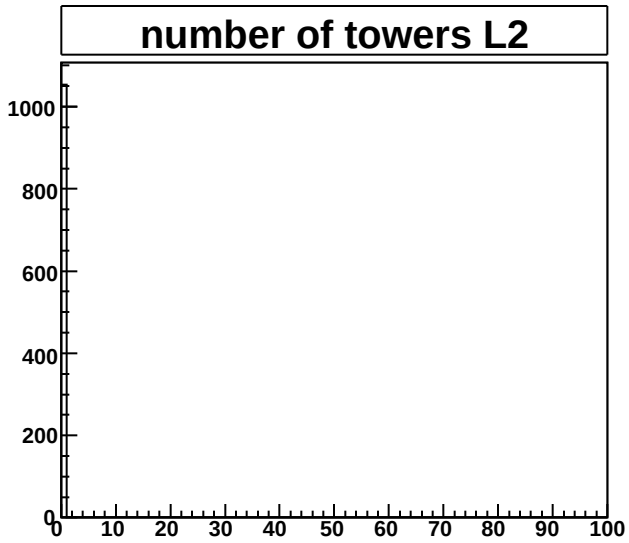



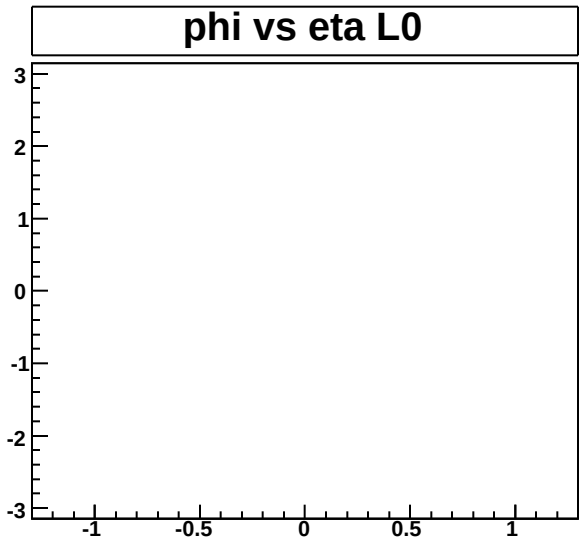
L2 upsilon#Towersυ#any

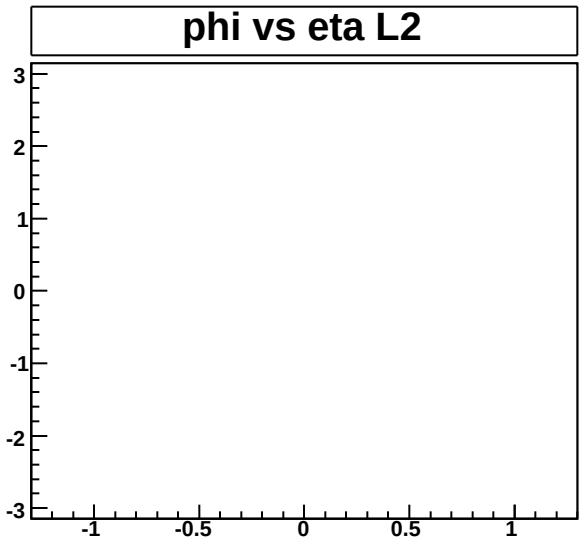


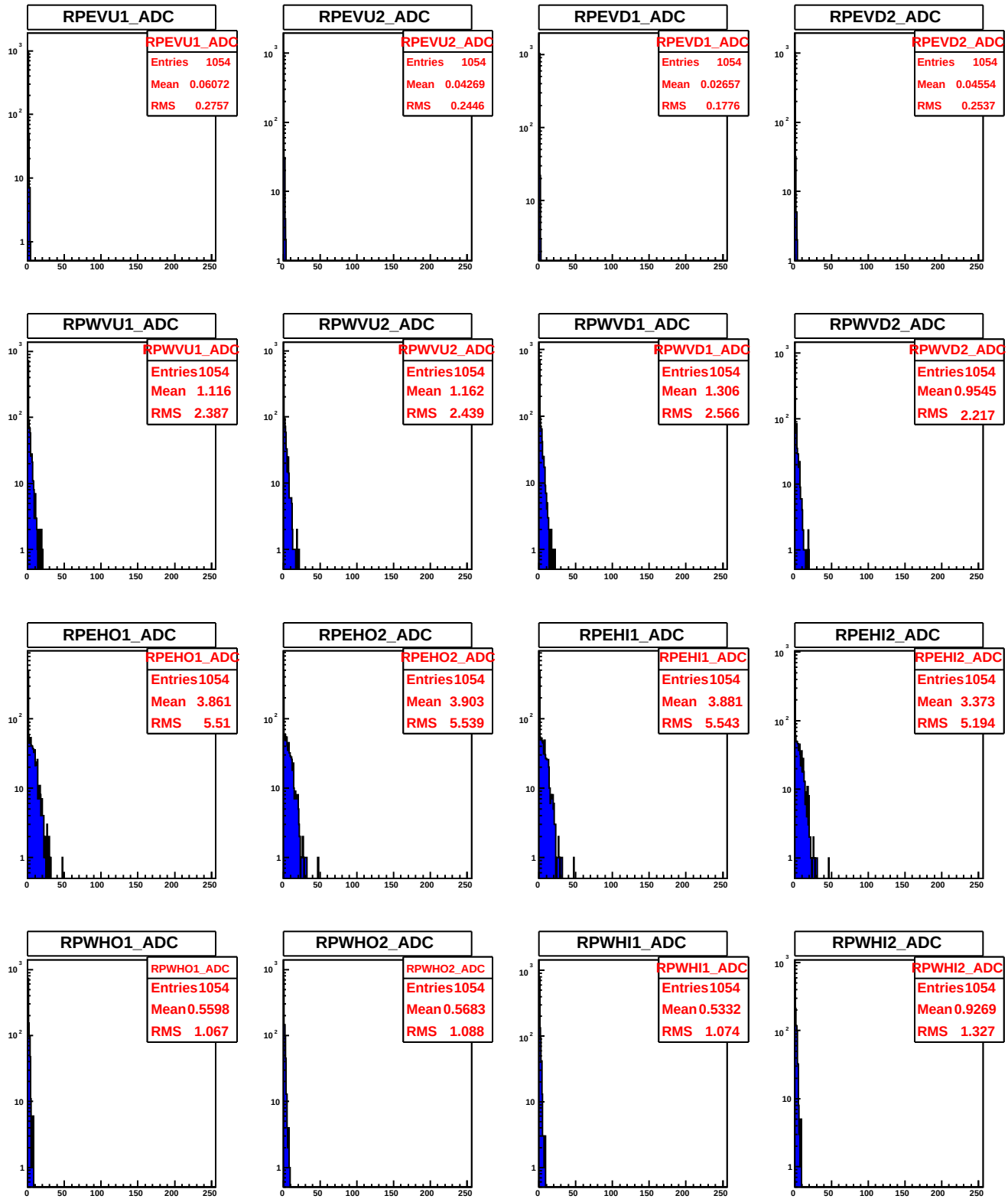



P2P#Trg1-16#any#trg

# Run: #12144018



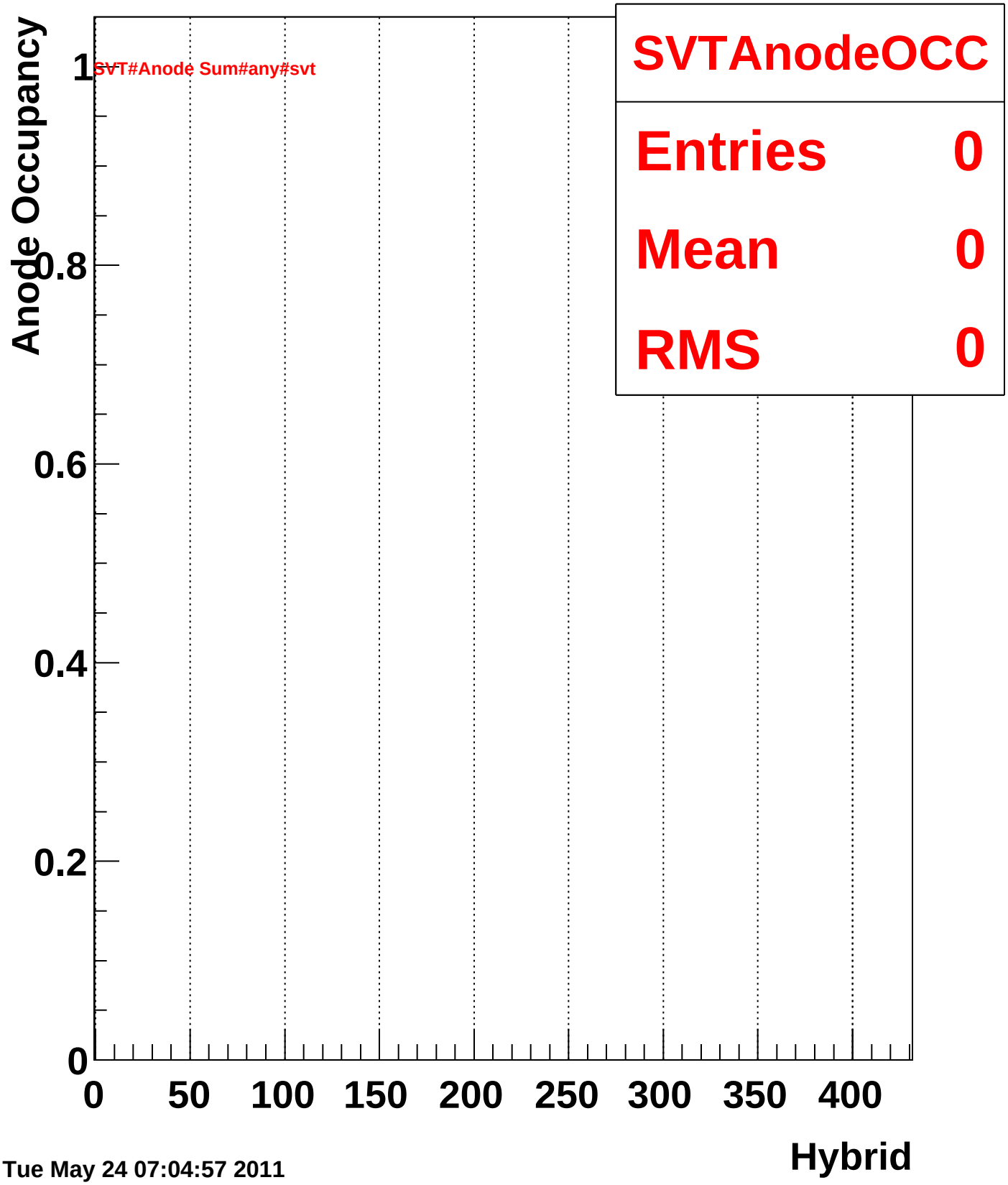

Tue May 24 07:04:57 2011

P2P#Trg17-32#any#trg

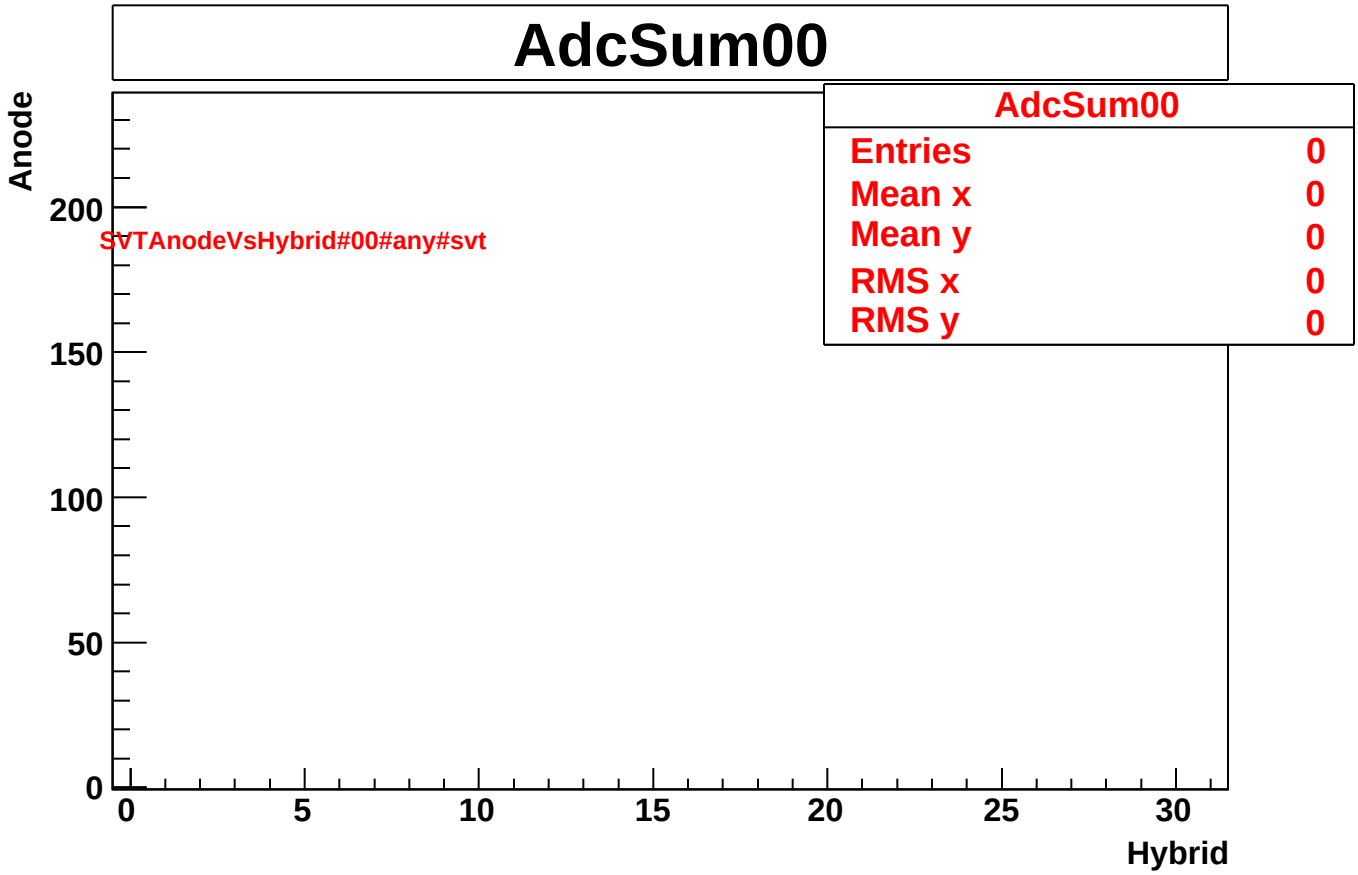
# Run: #12144018

Tue May 24 07:04:57 2011

# SVTAnodeOCC




Tue May 24 07:04:57 2011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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#00#any#svt
Anode
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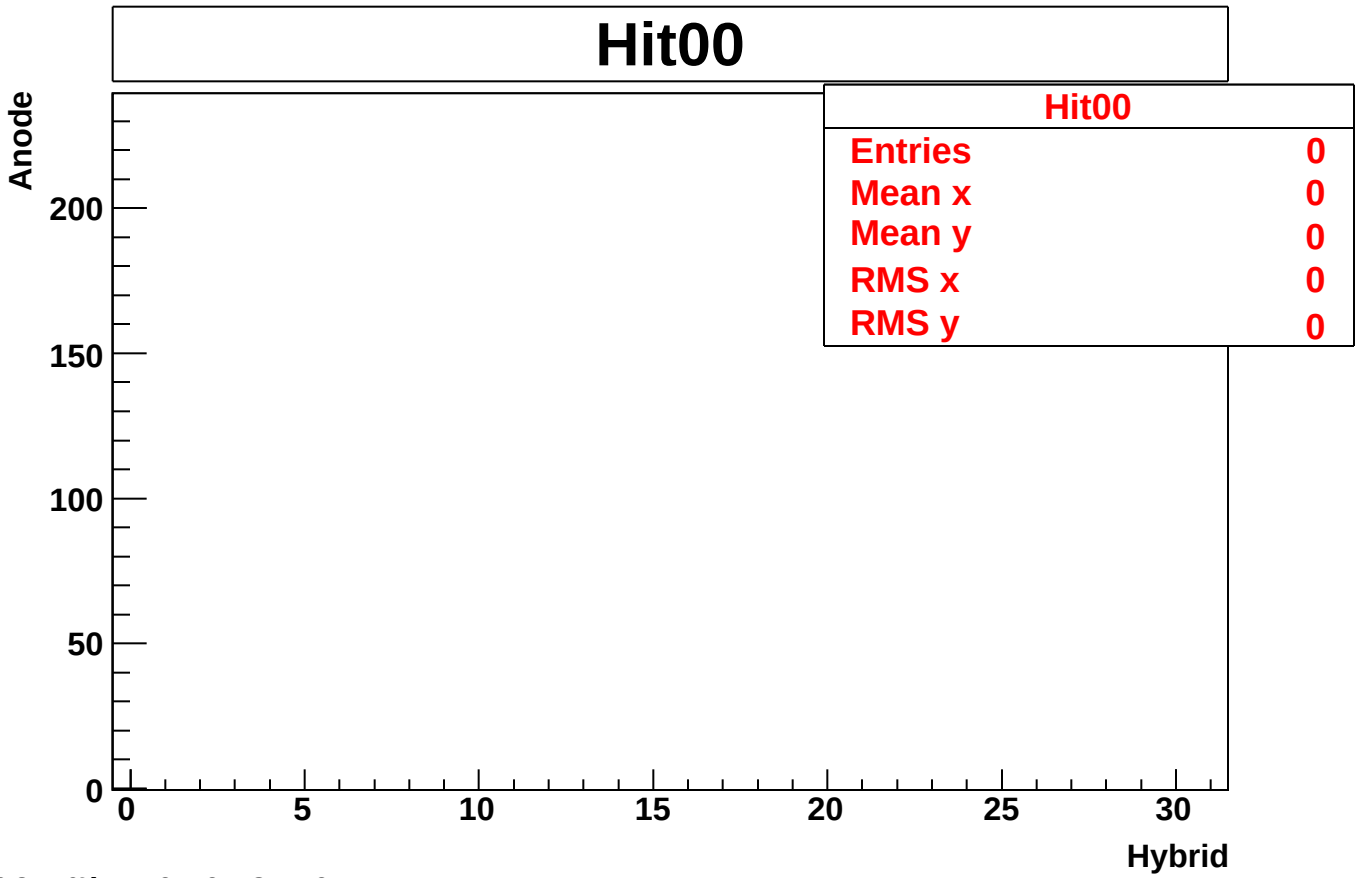
50
100
150
200
0
5
10
15
20
25
30
Hybrid


Hit00
Hit00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
0
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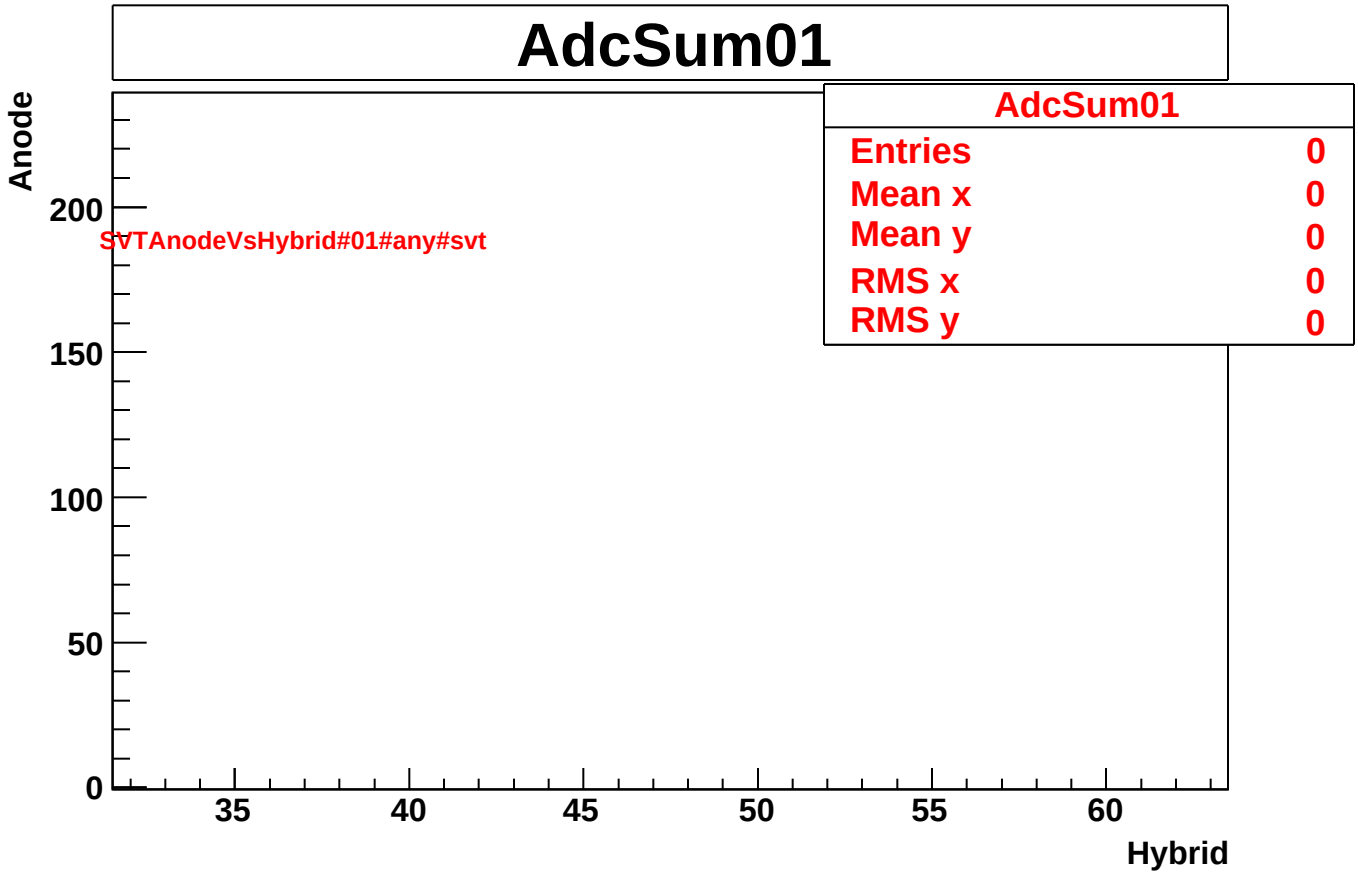
10
15
20
25
30
Hybrid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Mean y 0
RMS x 0
RMS y 0
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Anode
200
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100
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40
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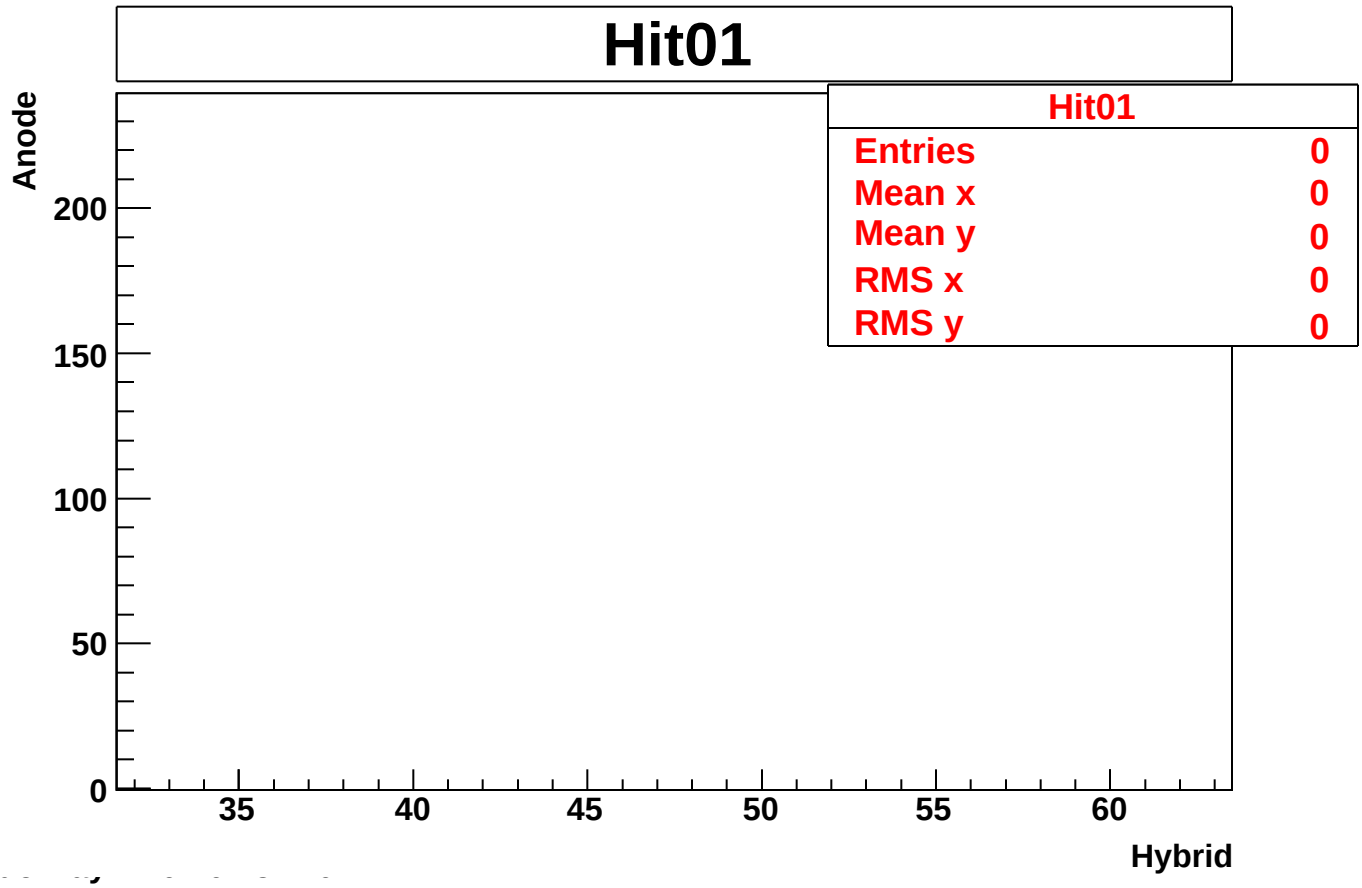
50
55
60
Hybrid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Hit01
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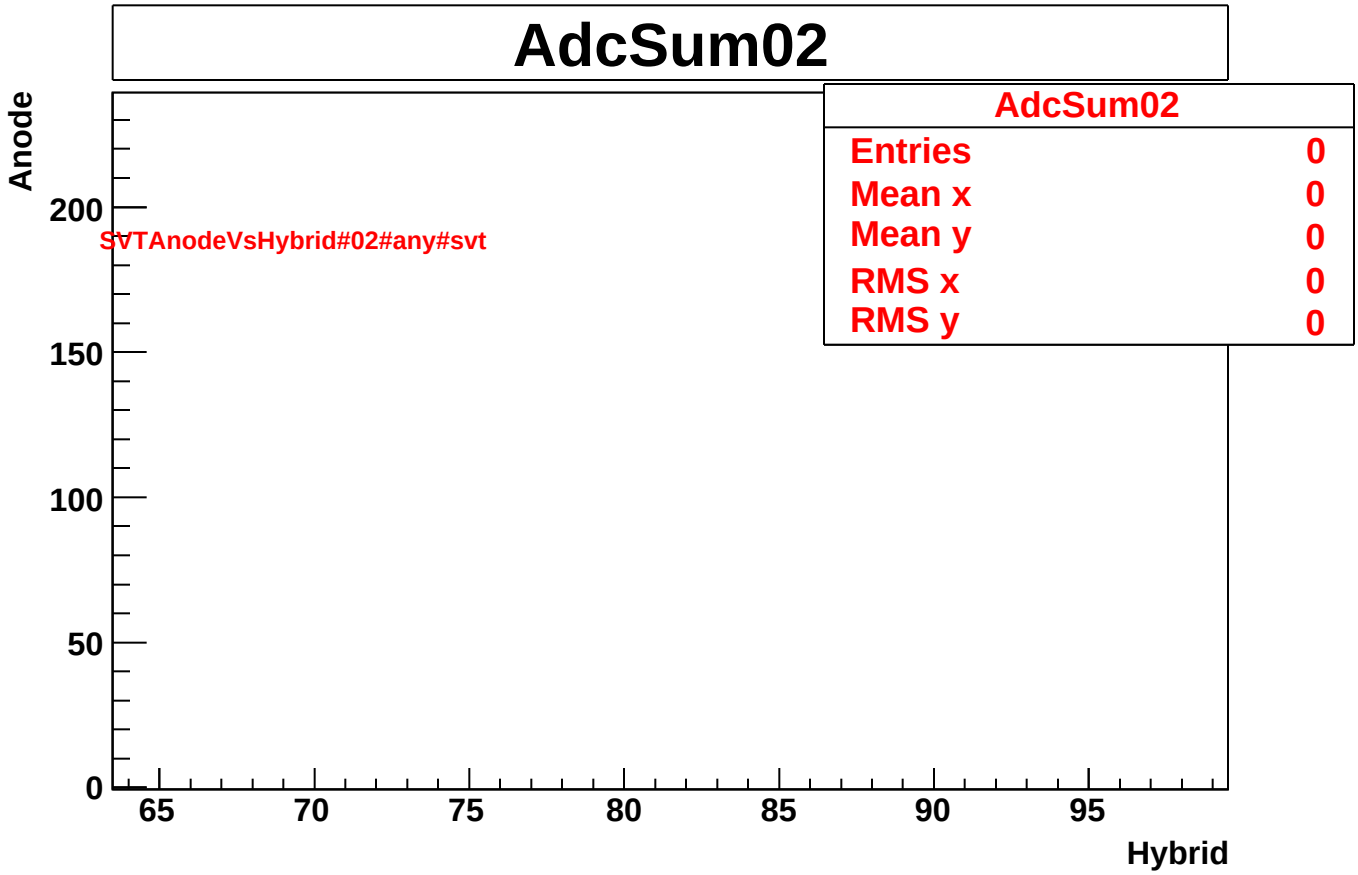
60
Hybrid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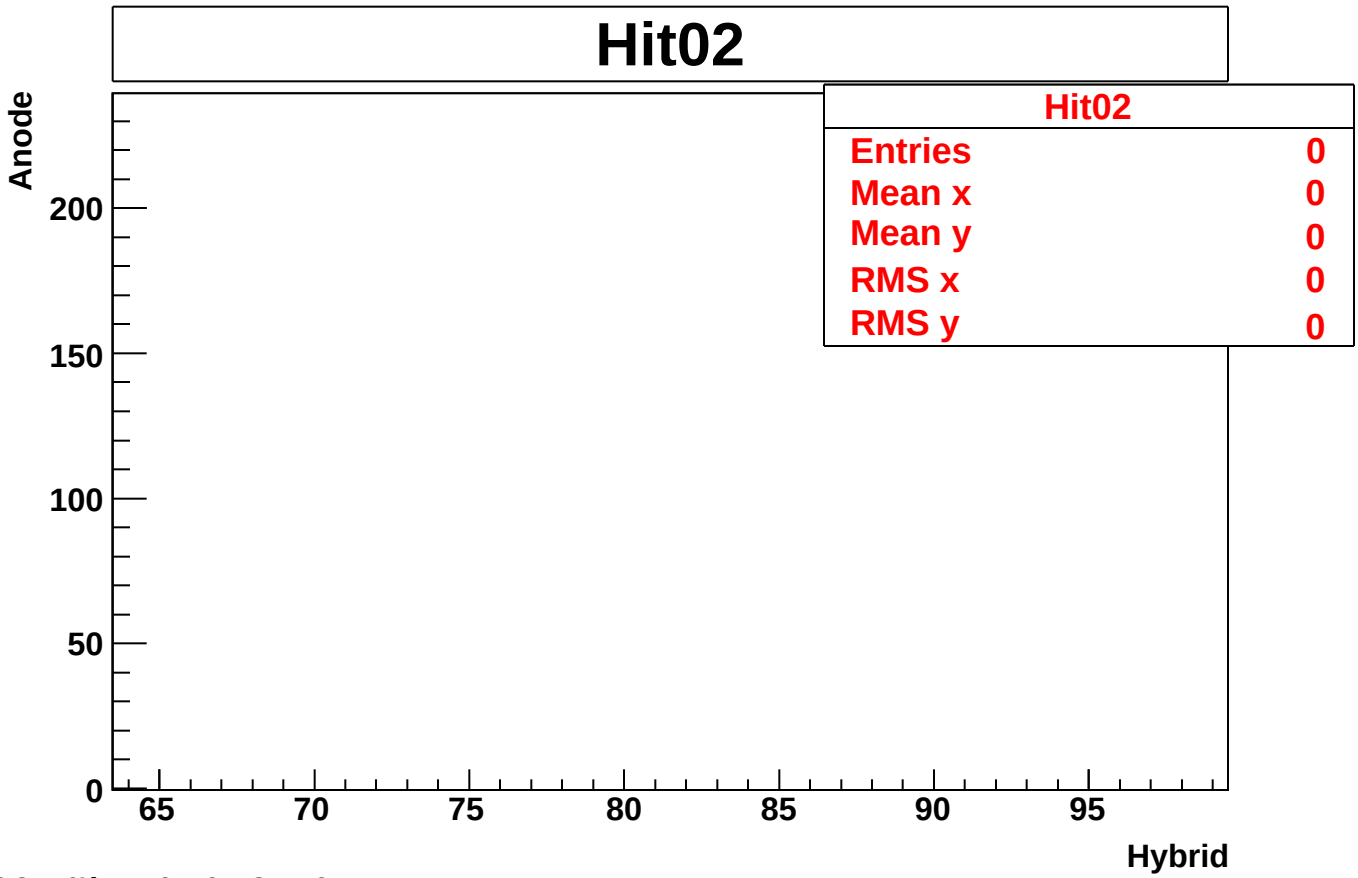
50
100
150
200
65
70
75
80
85
90
95
Hybrid


Hit02
Hit02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
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100
150
200
65
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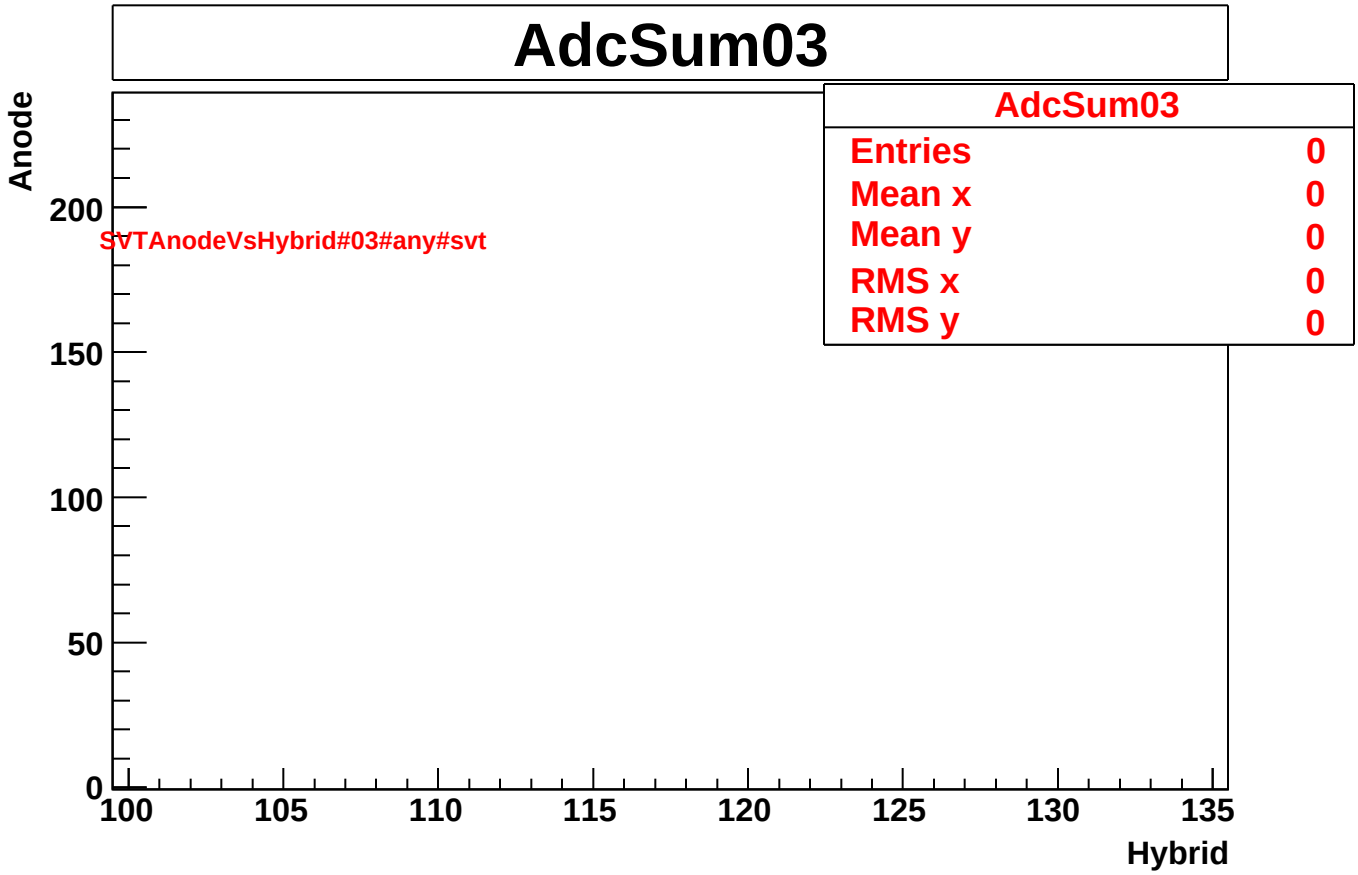
75
80
85
90
95
Hybrid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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#03#any#svt
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0
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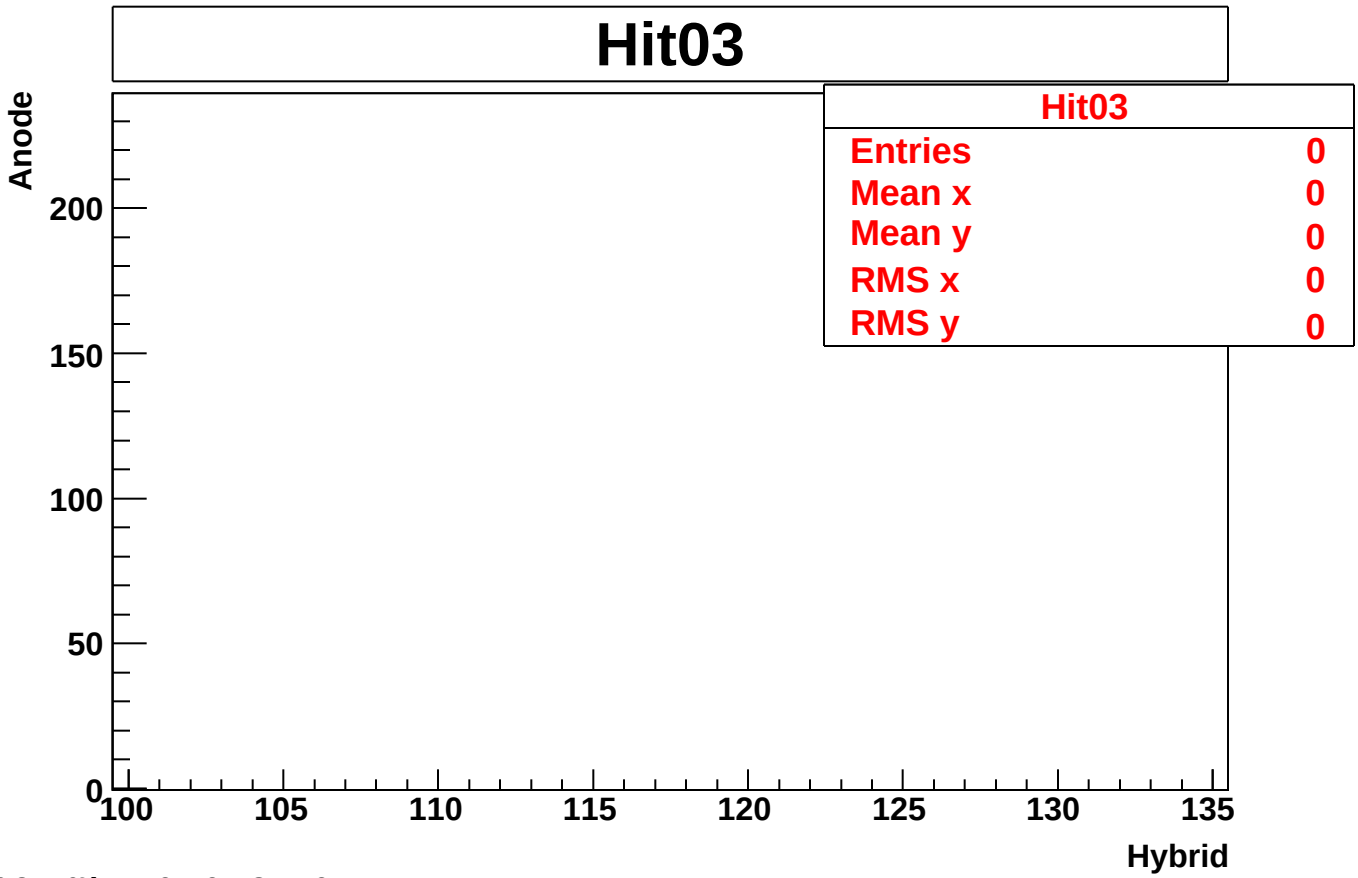
100
150
200
100
105
110
115
120
125
130
135
Hybrid


Hit03
Hit03
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Mean x 0
Mean y 0
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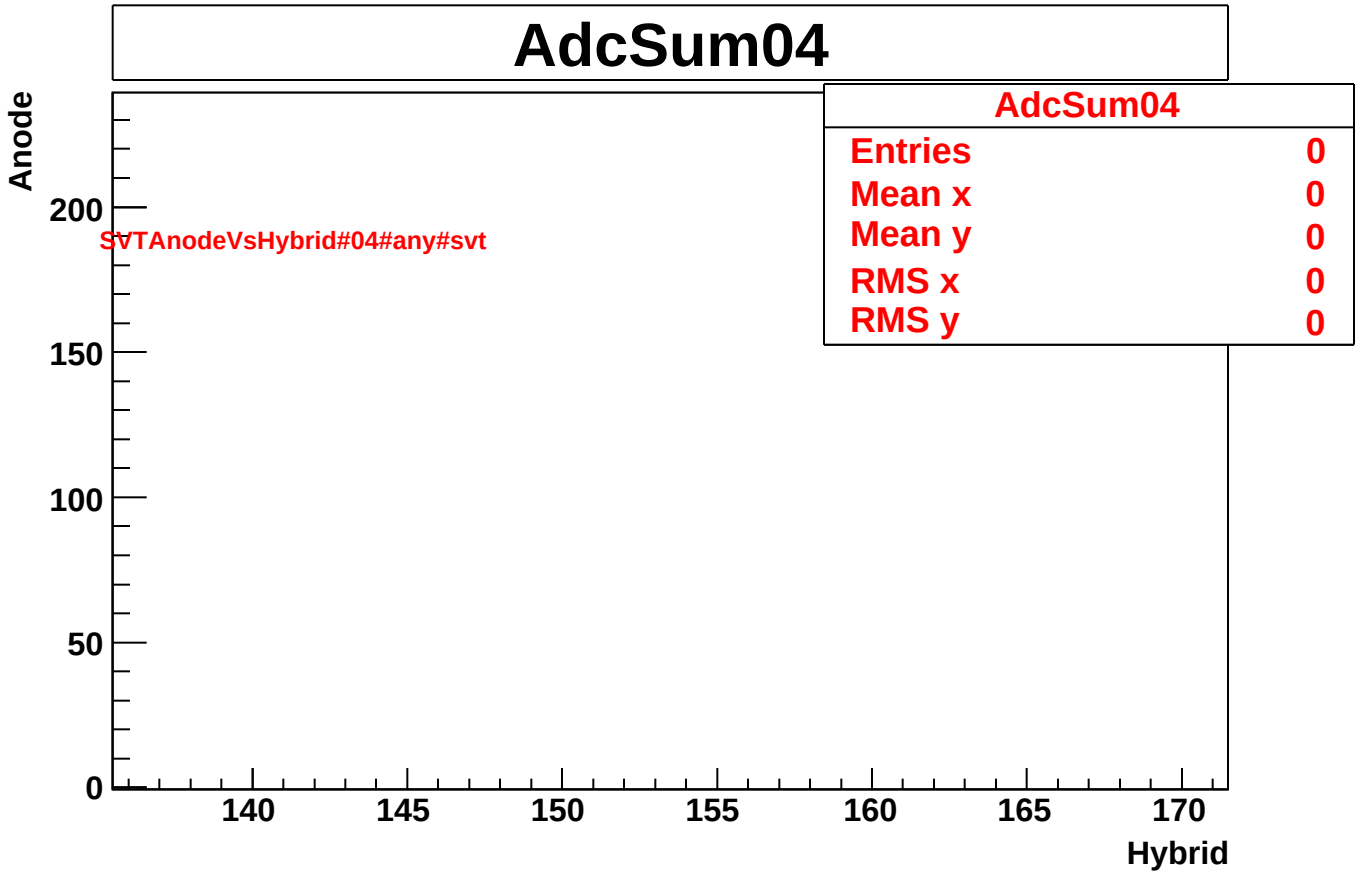
120
125
130
135
Hybrid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Entries 0
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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#04#any#svt
Anode
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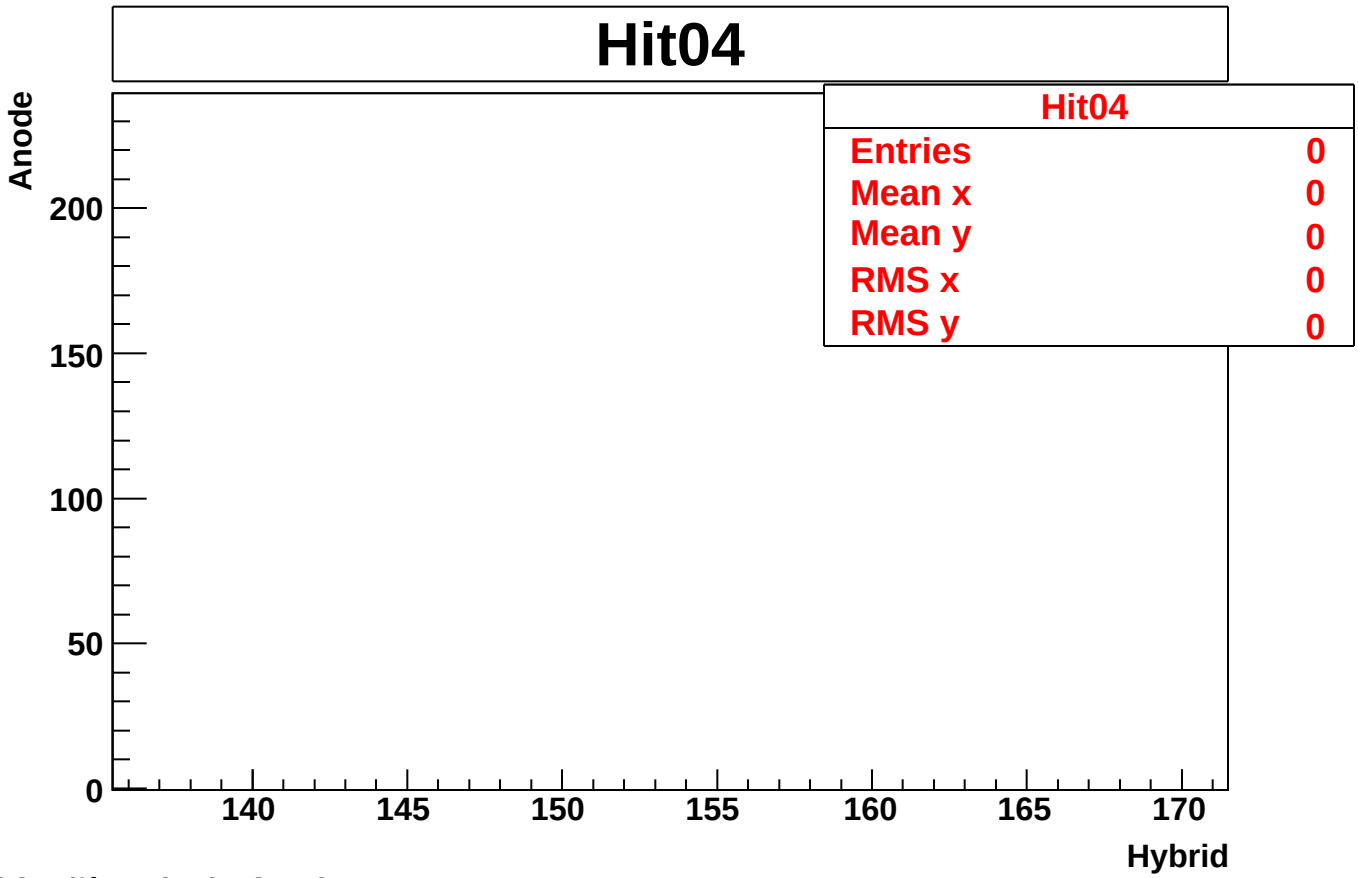
150
155
160
165
170
Hybrid


Hit04
Hit04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
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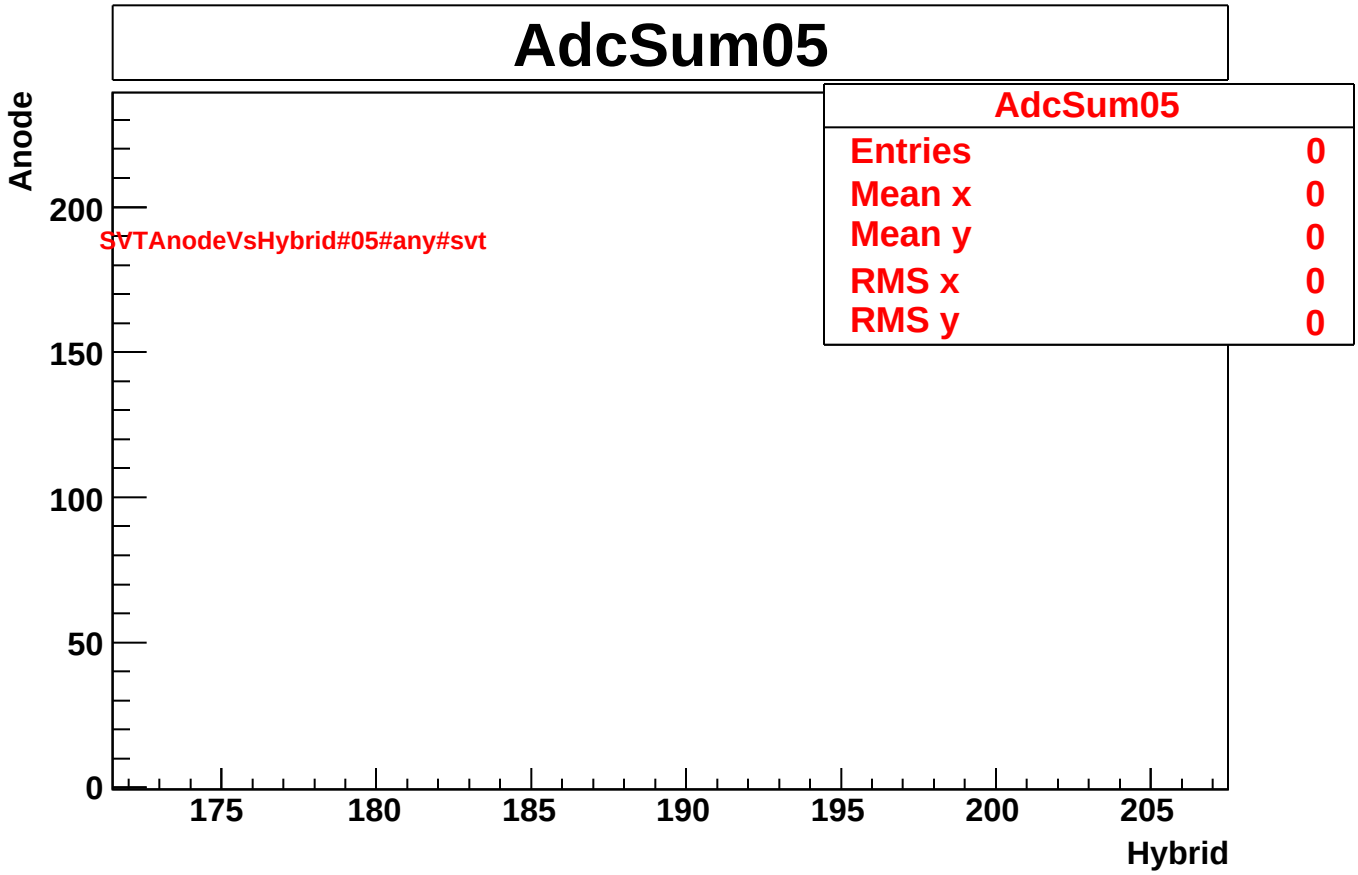
150
155
160
165
170
Hybrid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Anode
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100
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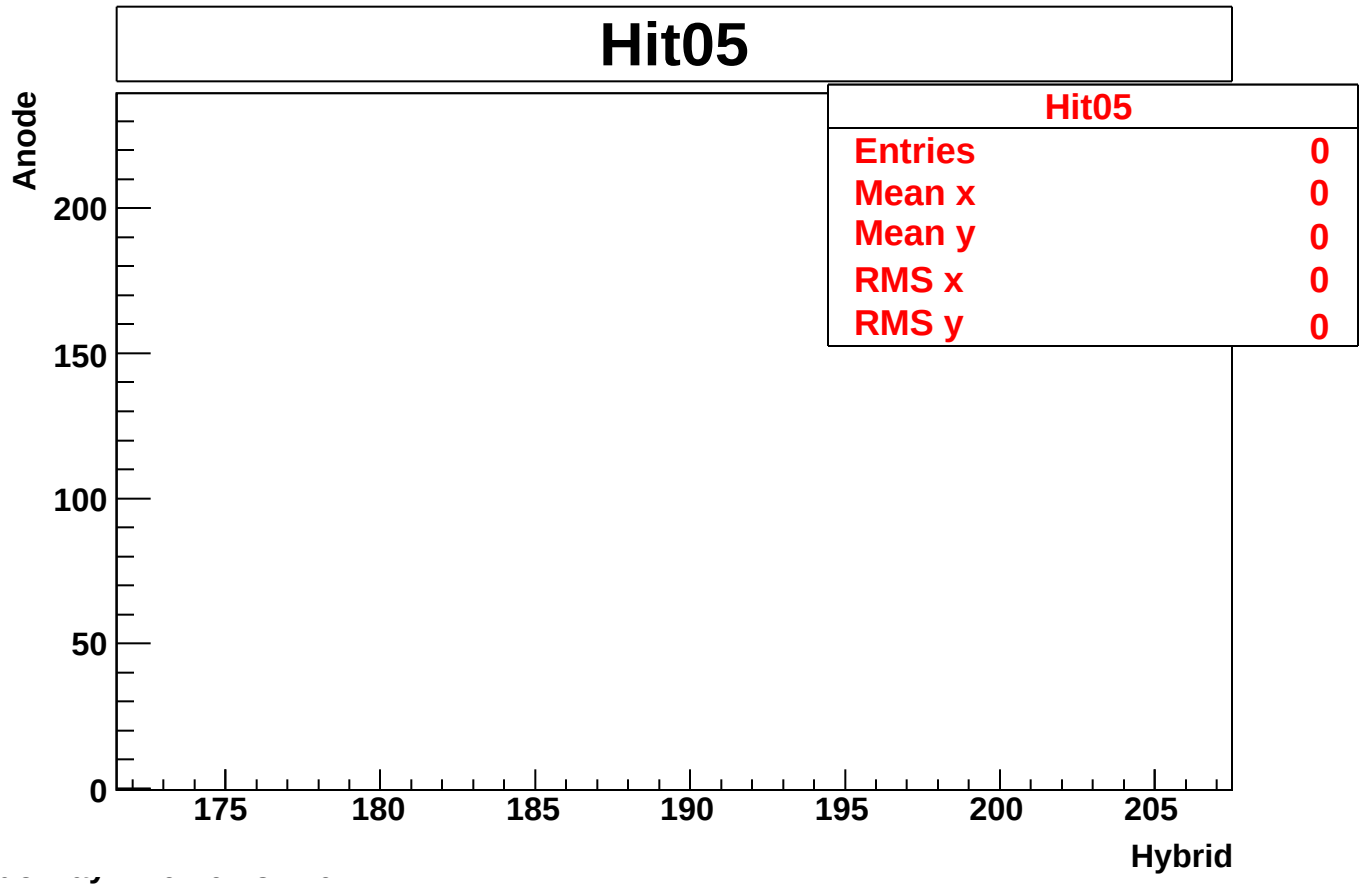
175
180
185
190
195
200
205
Hybrid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Hit05
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RMS x 0
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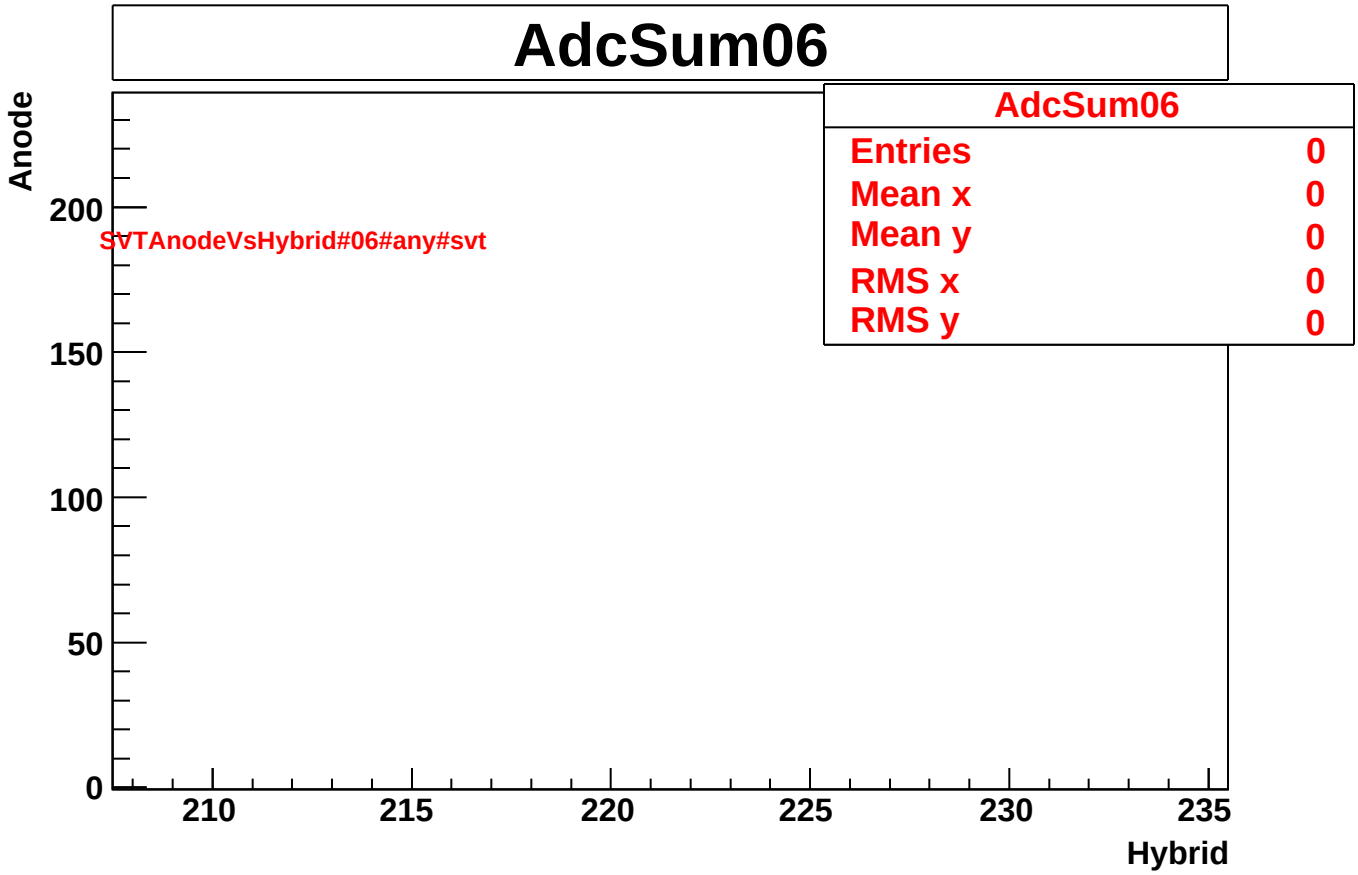
190
195
200
205
Hybrid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AdcSum06
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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#06#any#svt
Anode
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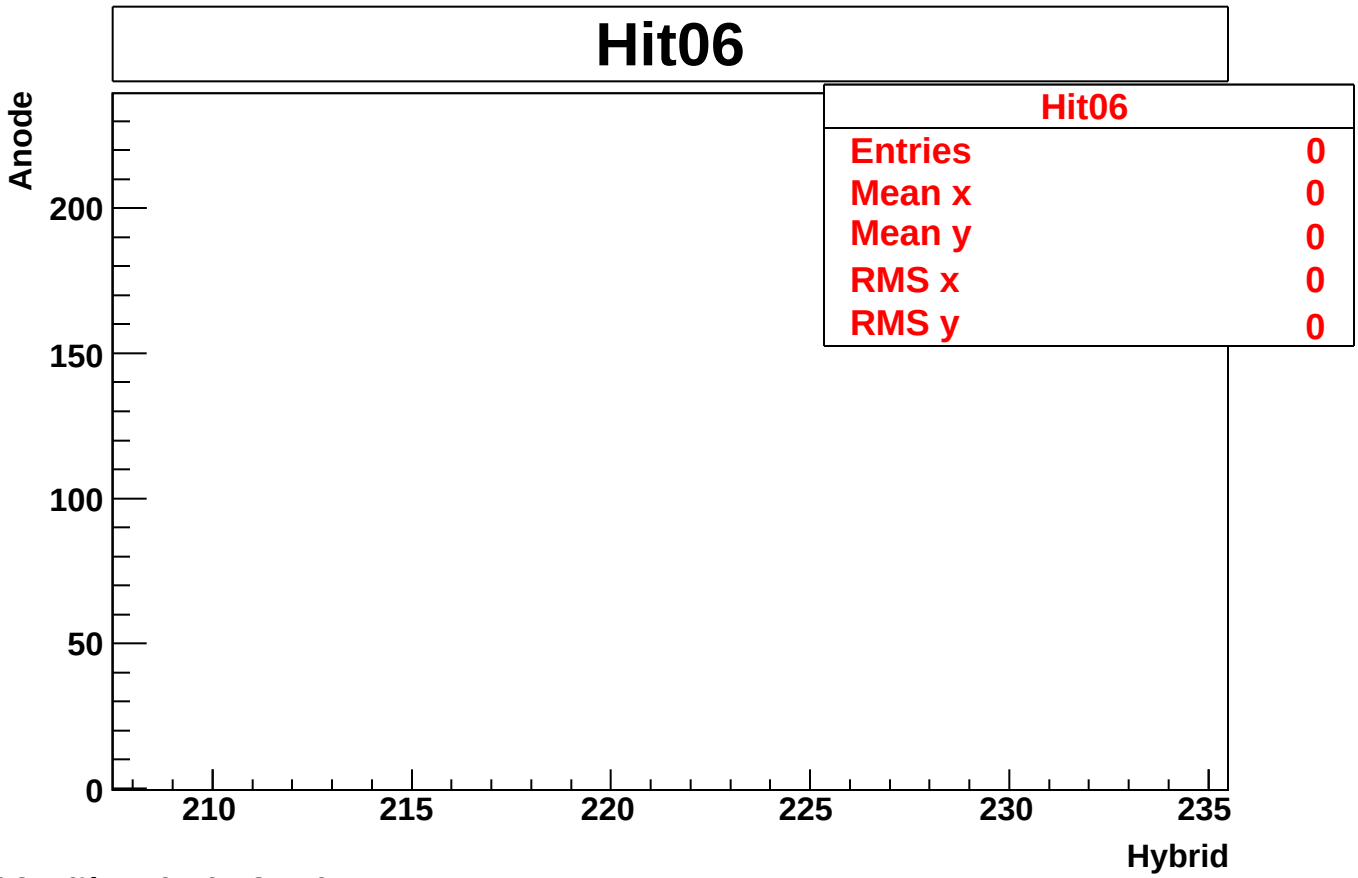
100
150
200
210
215
220
225
230
235
Hybrid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Hit06
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RMS y 0
Anode
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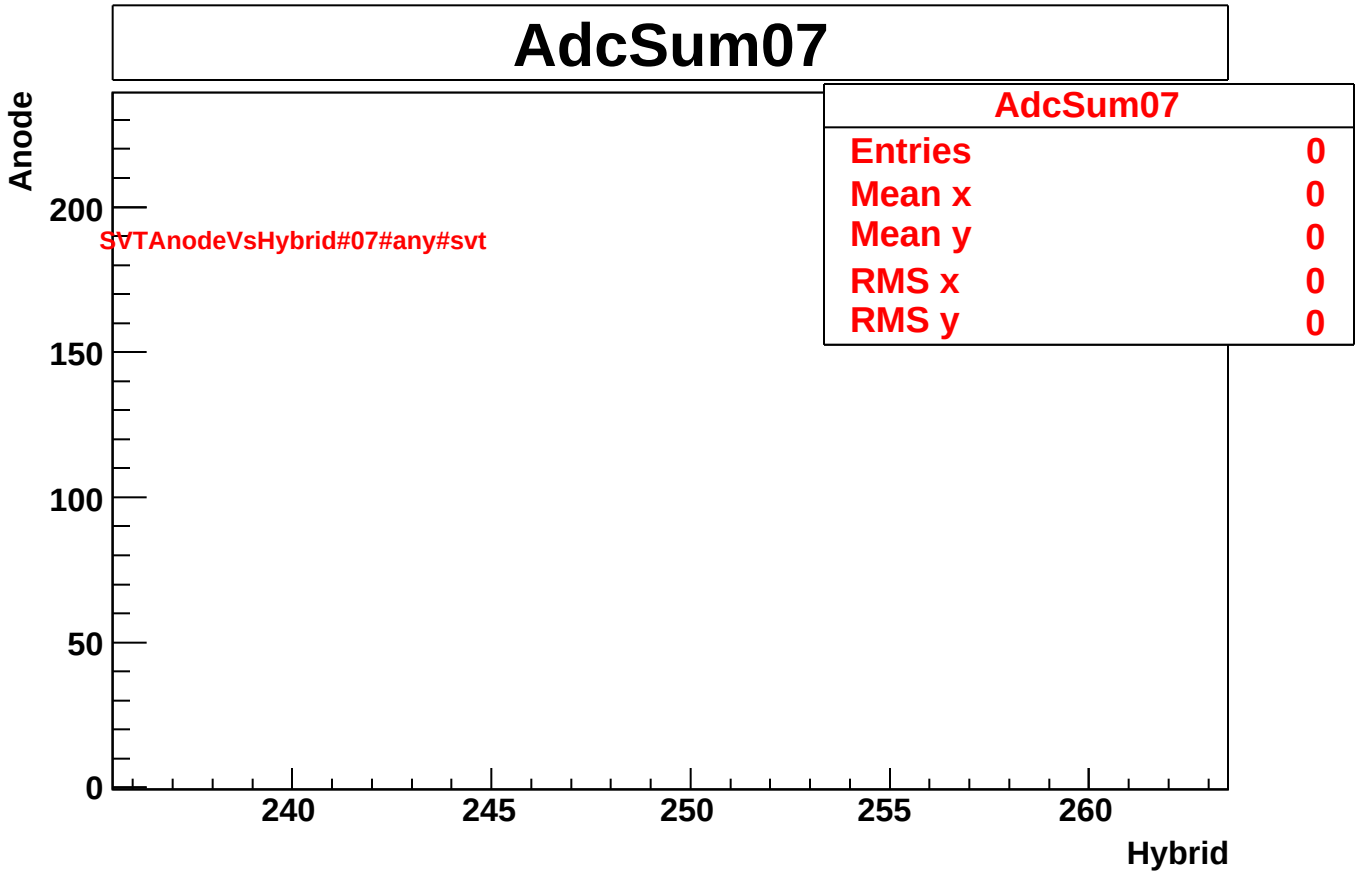
100
150
200
210
215
220
225
230
235
Hybrid


AdcSum07
AdcSum07
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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#07#any#svt
Anode
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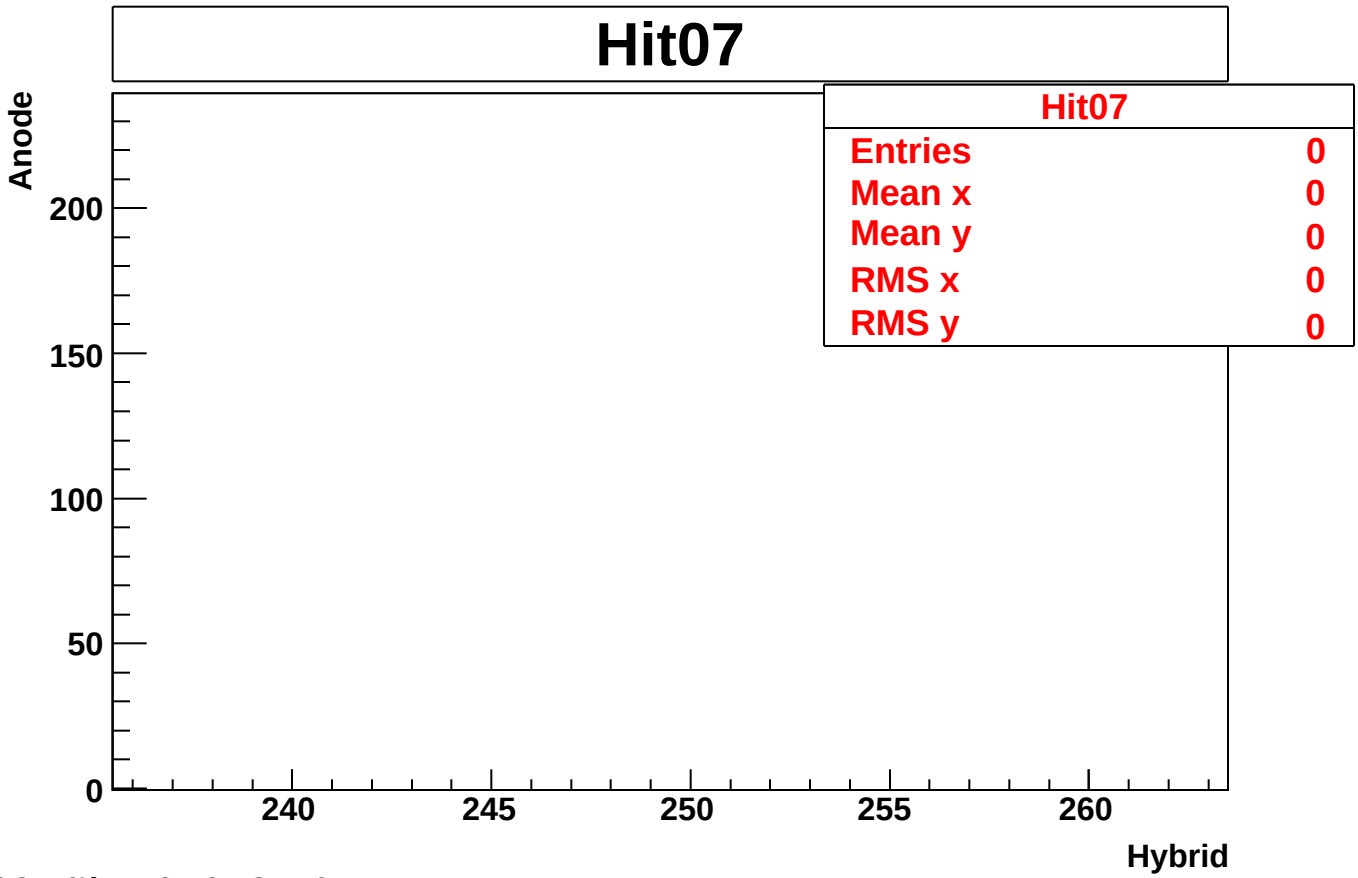
240
245
250
255
260
Hybrid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Hit07
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Mean y 0
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RMS y 0
Anode
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0
240
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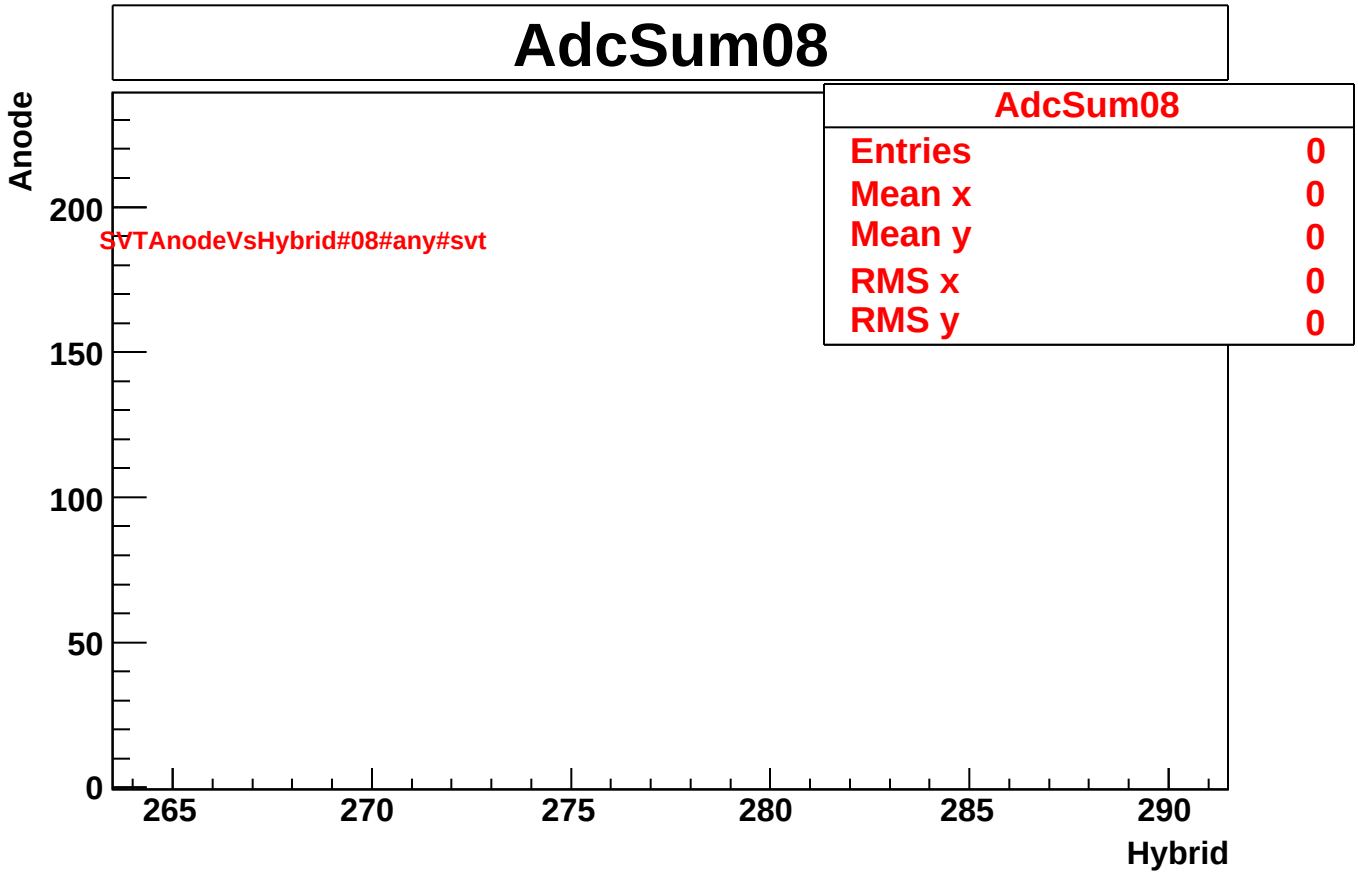
250
255
260
Hybrid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AdcSum08
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RMS x 0
RMS y 0
SVTAnodeVsHybrid#08#any#svt
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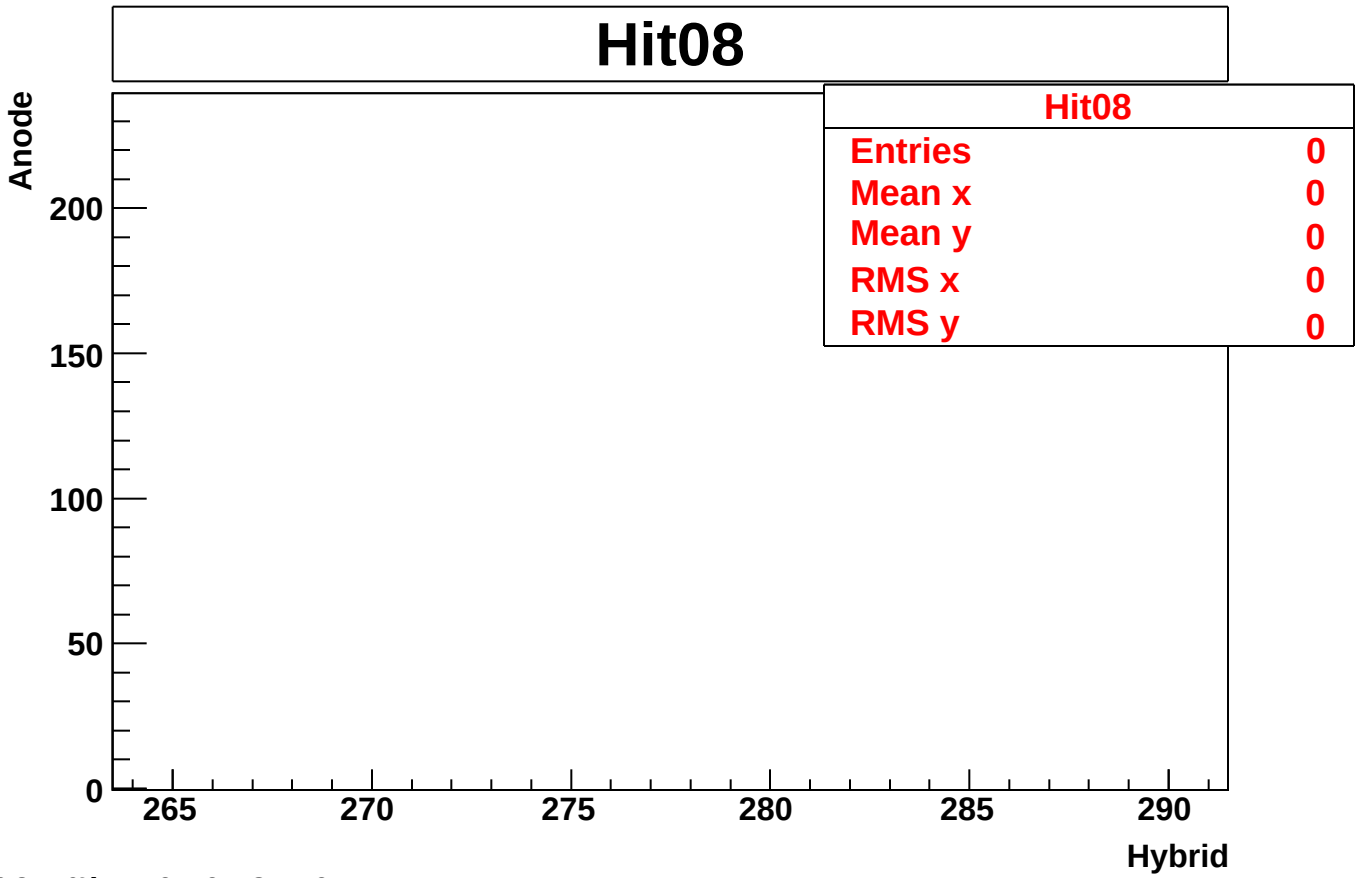
100
150
200
265
270
275
280
285
290
Hybrid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Hit08
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RMS y 0
Anode
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100
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200
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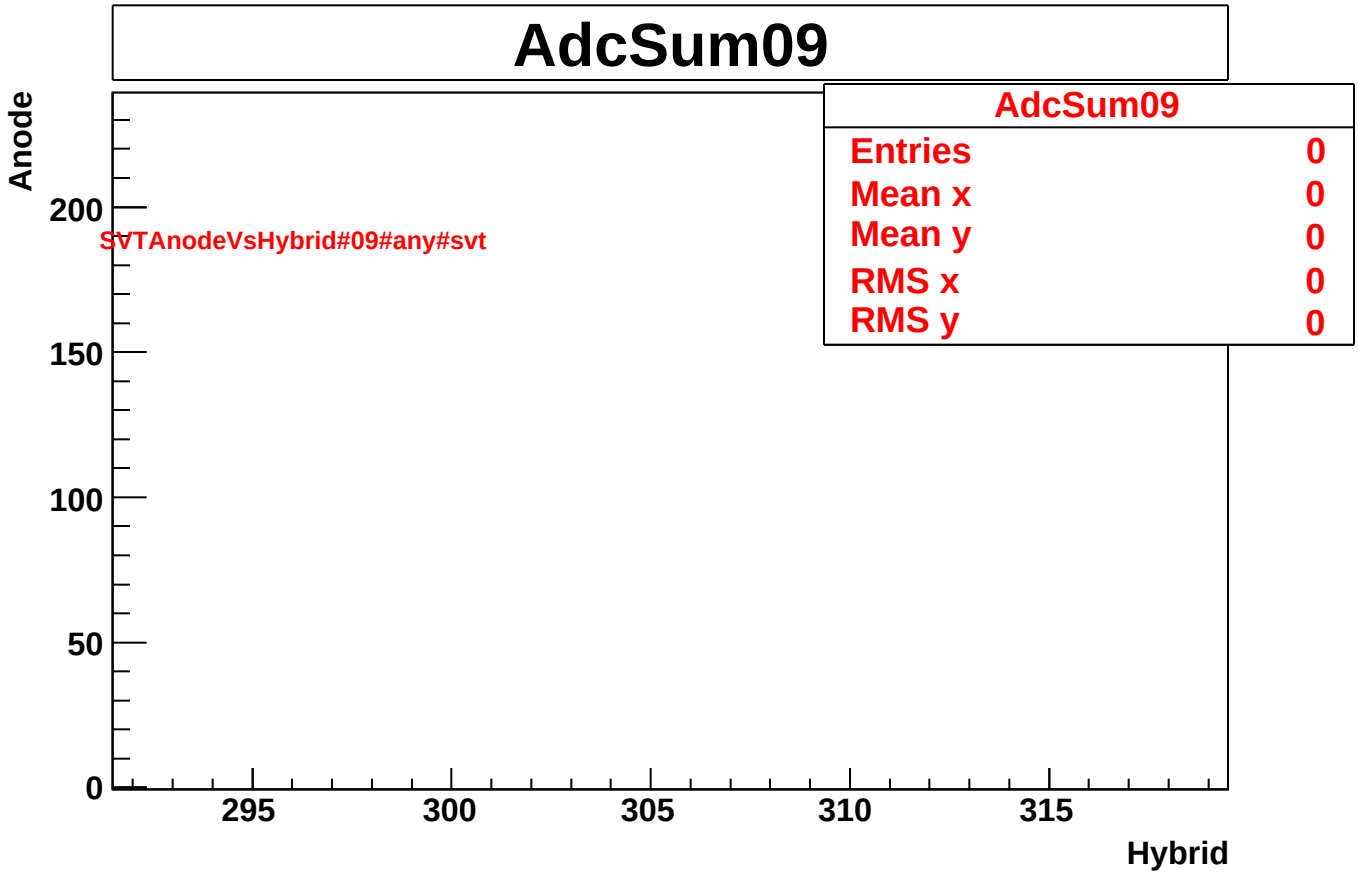
275
280
285
290
Hybrid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AdcSum09
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RMS x 0
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Anode
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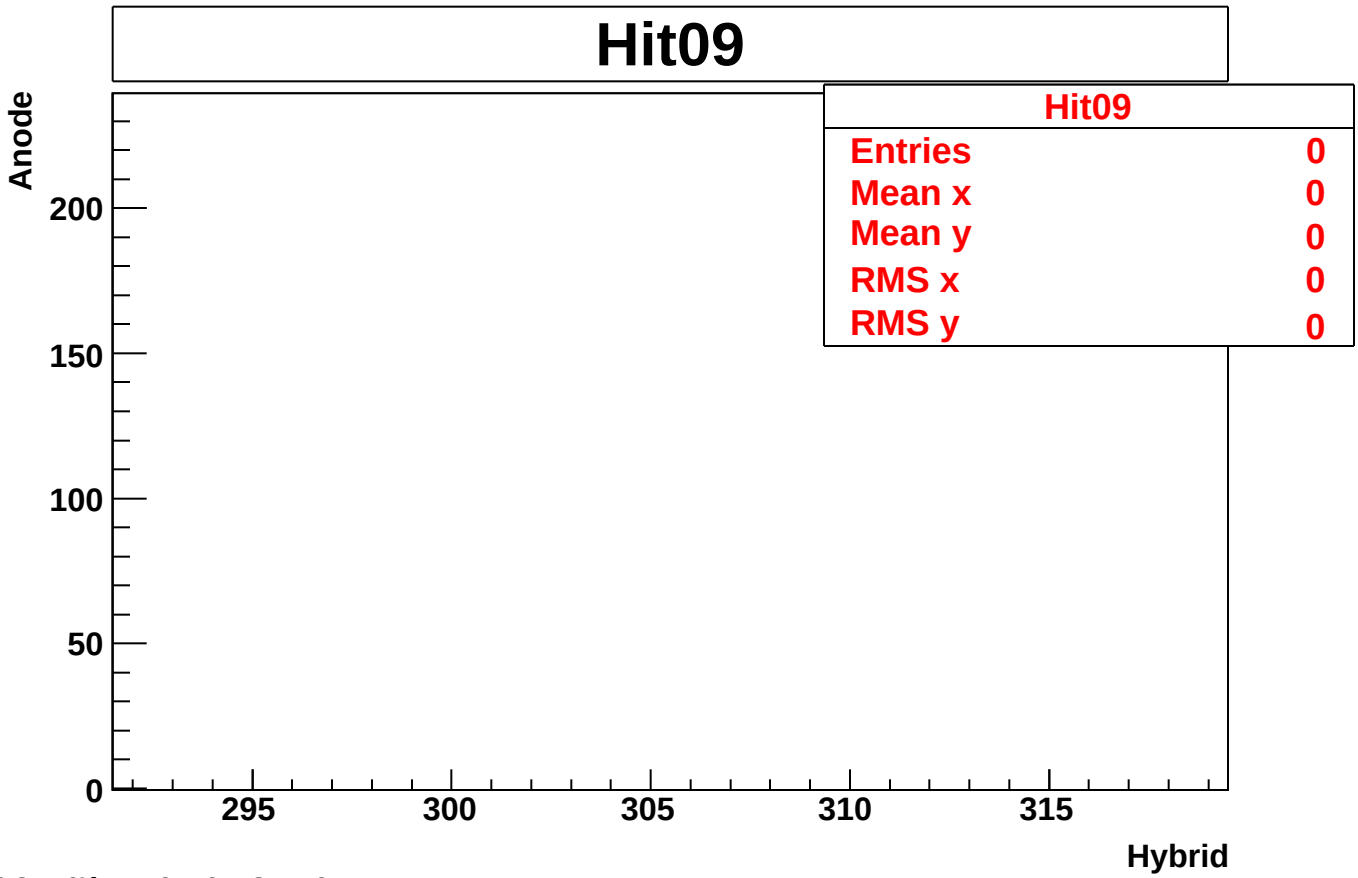
305
310
315
Hybrid


Hit09
Hit09
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Mean y 0
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RMS y 0
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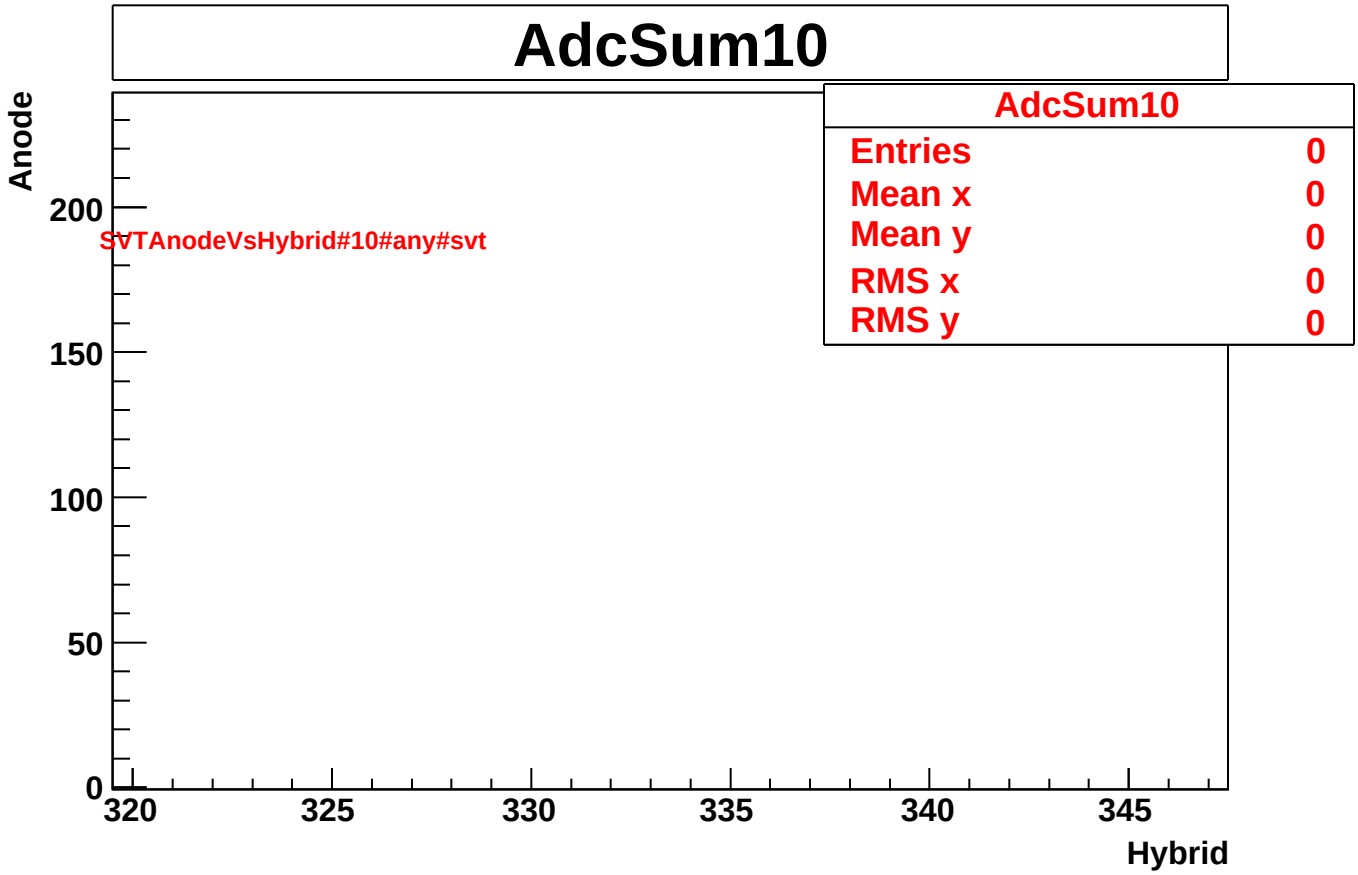
305
310
315
Hybrid


AdcSum10
AdcSum10
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Mean y 0
RMS x 0
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Anode
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100
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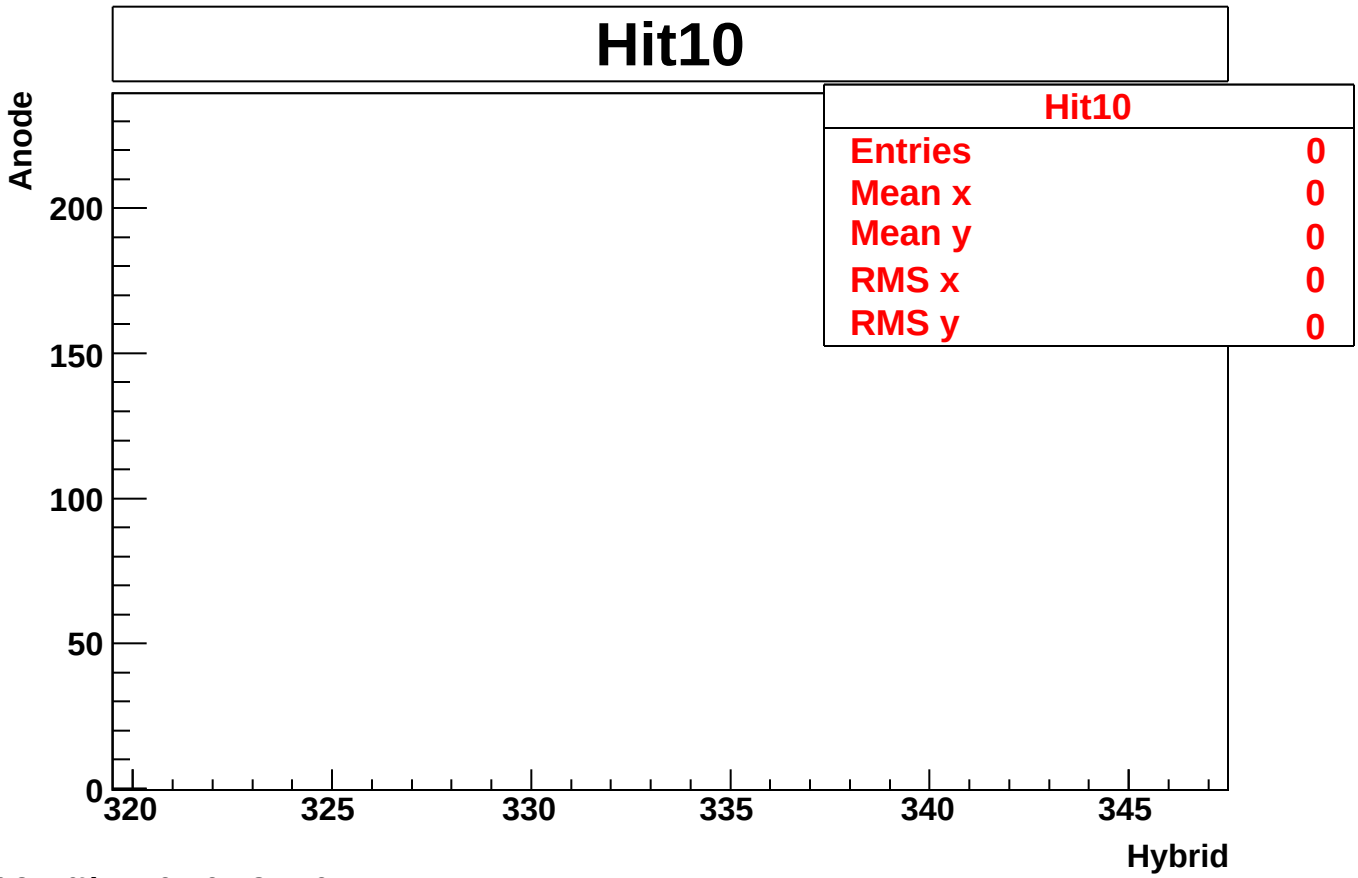
325
330
335
340
345
Hybrid


Hit10
Hit10
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Mean y 0
RMS x 0
RMS y 0
Anode
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100
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200
320
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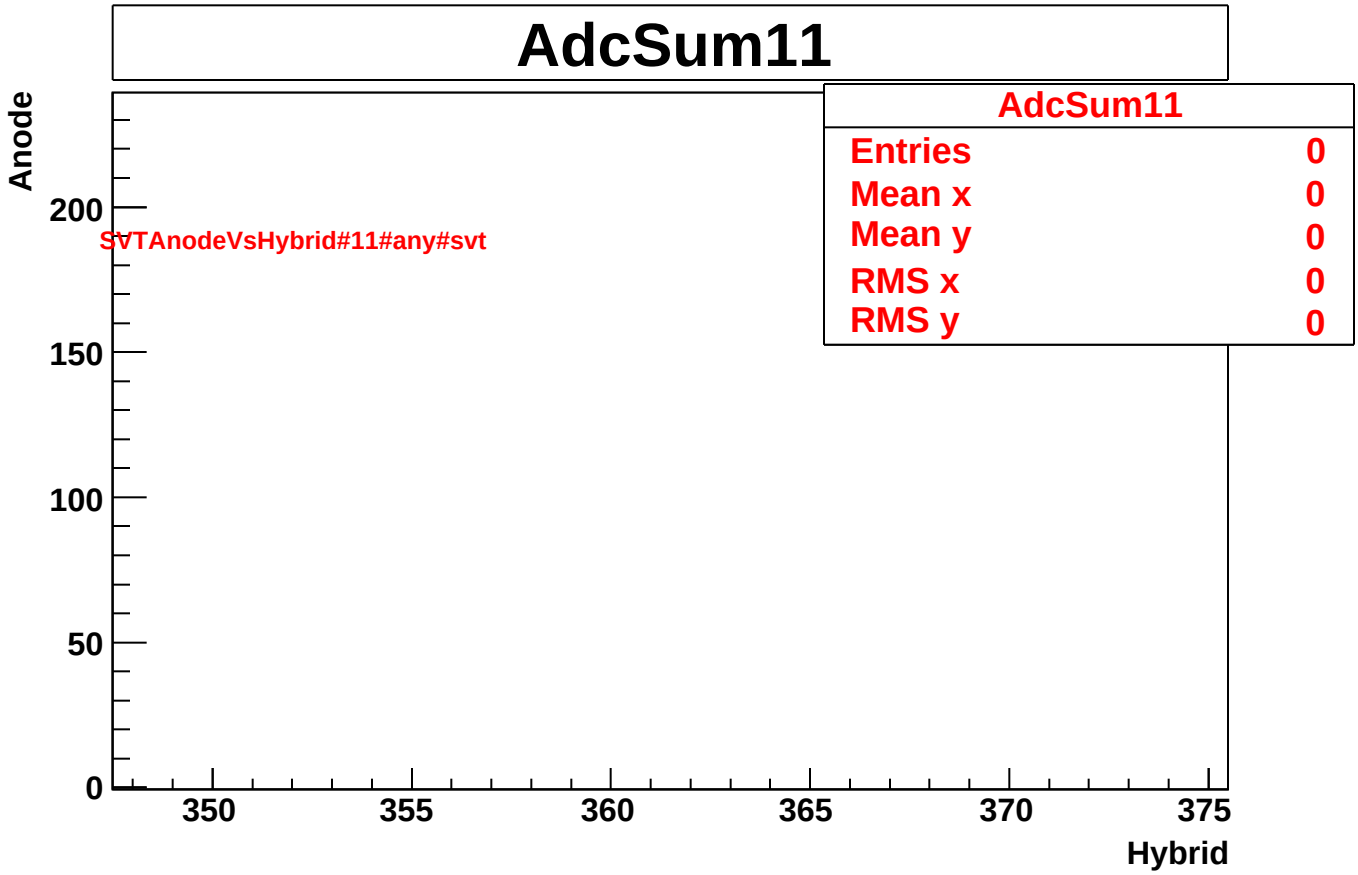
335
340
345
Hybrid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AdcSum11
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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#11#any#svt
Anode
200
150
100
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0
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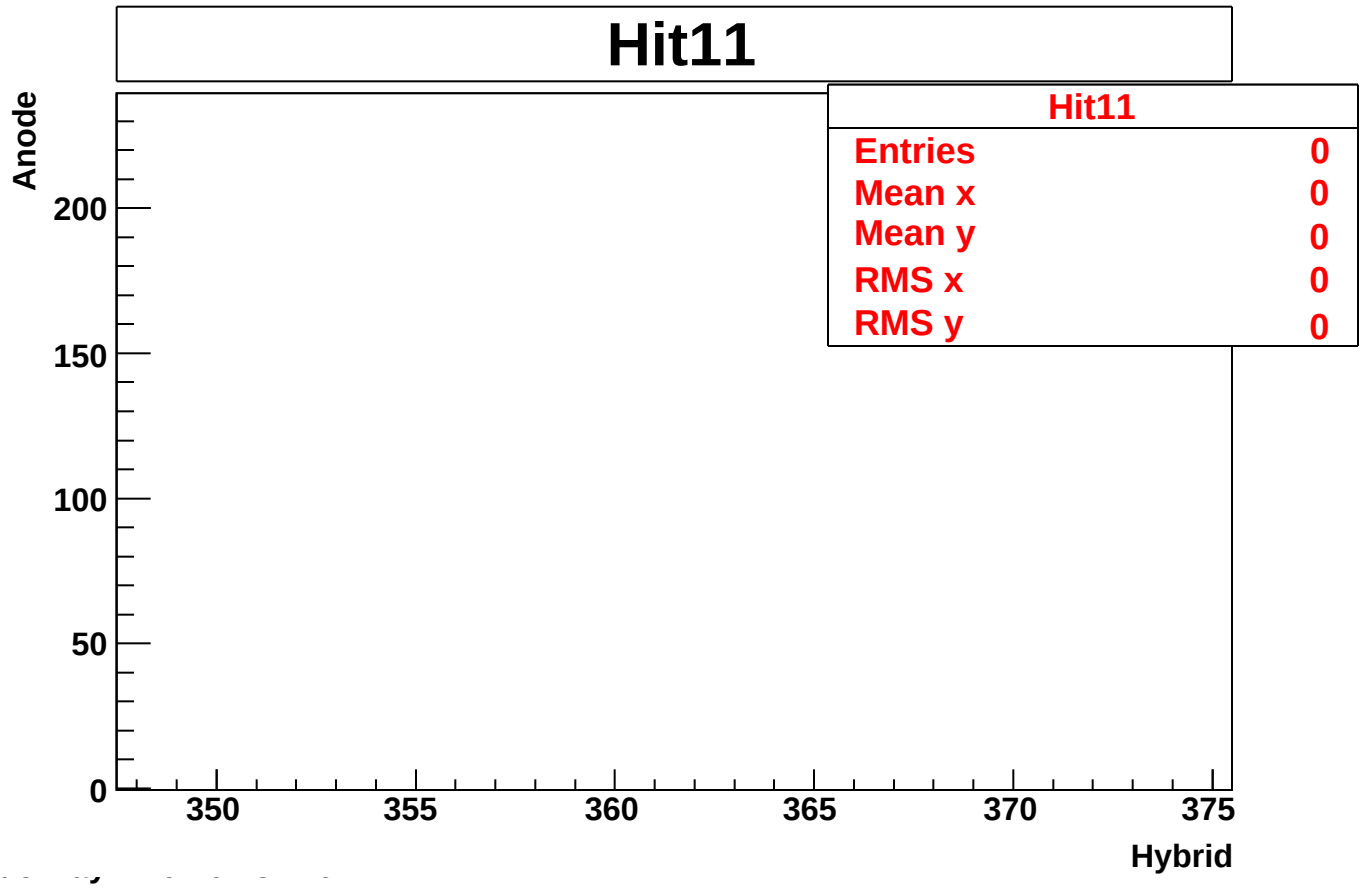
355
360
365
370
375
Hybrid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Hit11
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Mean y 0
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RMS y 0
Anode
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100
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0
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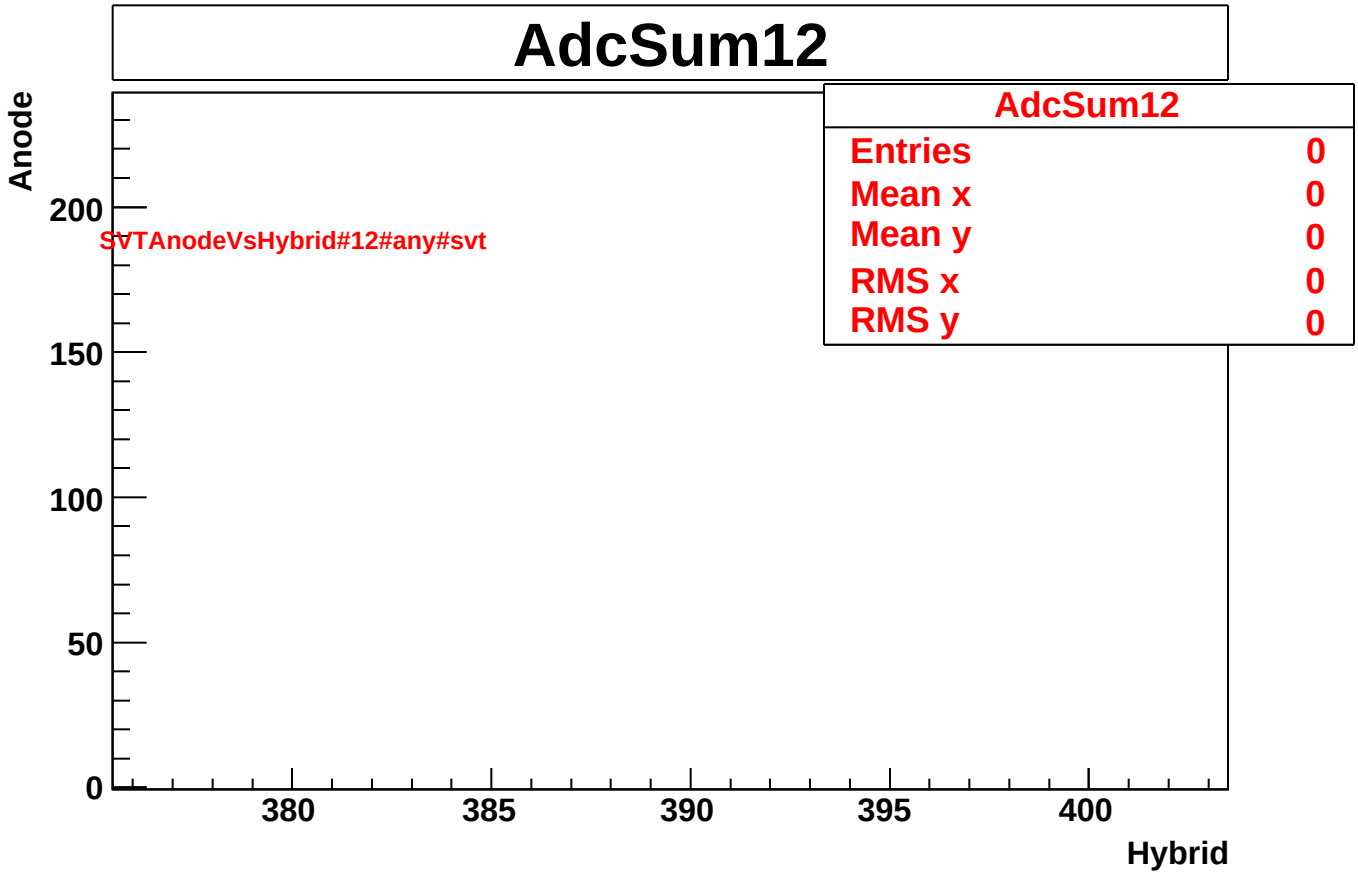
360
365
370
375
Hybrid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AdcSum12
Entries 0
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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#12#any#svt
Anode
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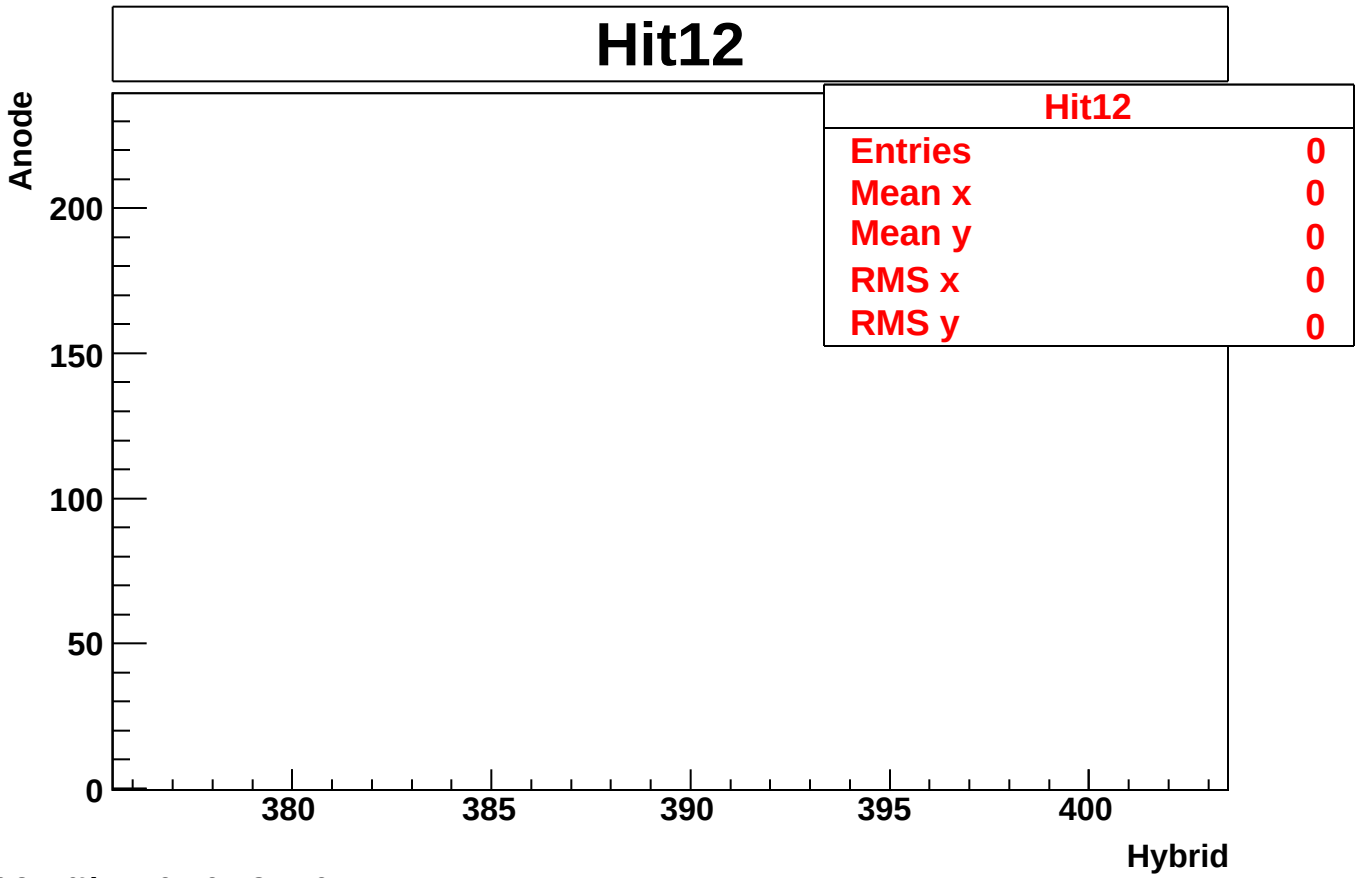
380
385
390
395
400
Hybrid


Hit12
Hit12
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Mean y 0
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RMS y 0
Anode
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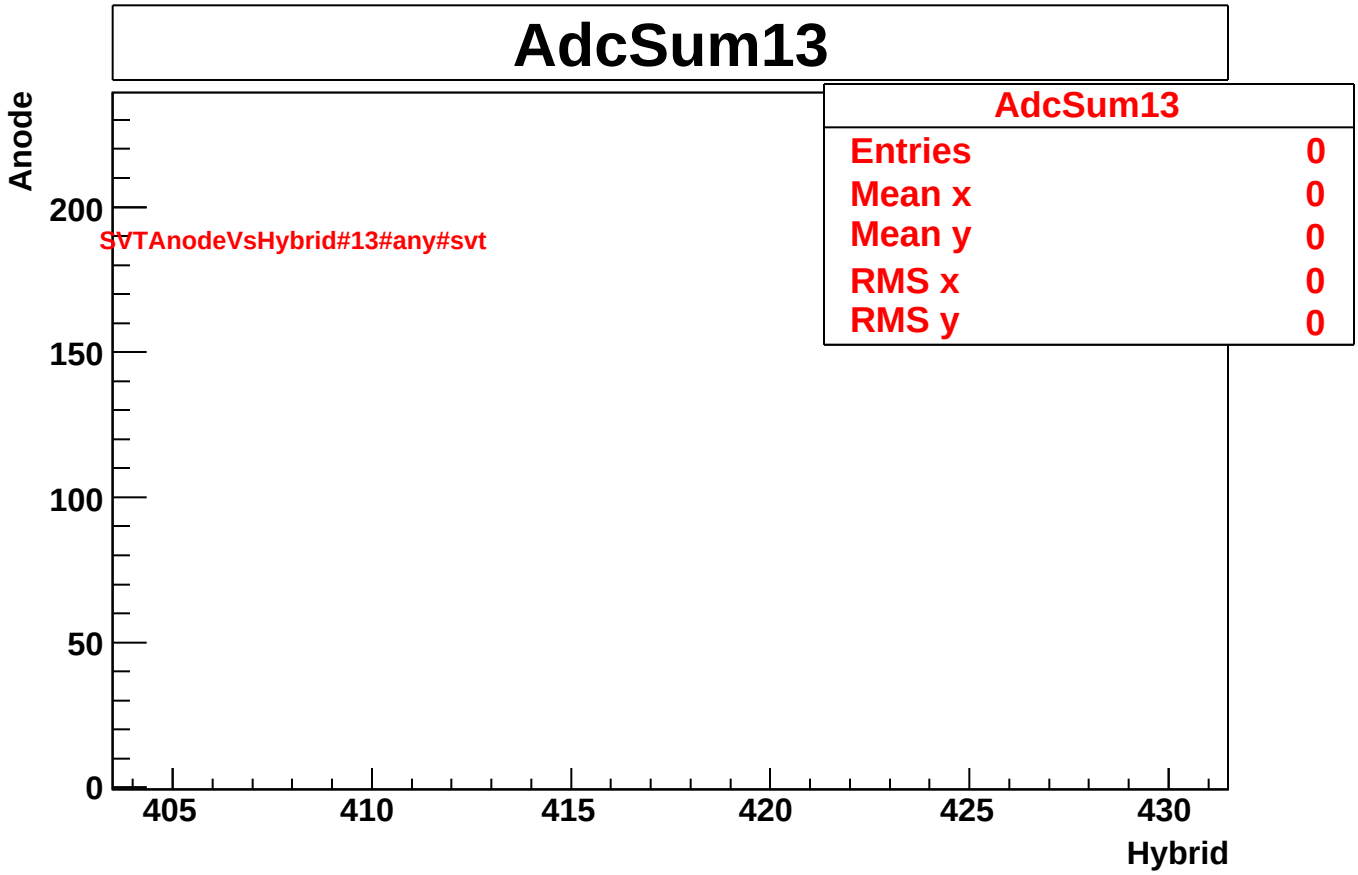
385
390
395
400
Hybrid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AdcSum13
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Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#13#any#svt
Anode
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100
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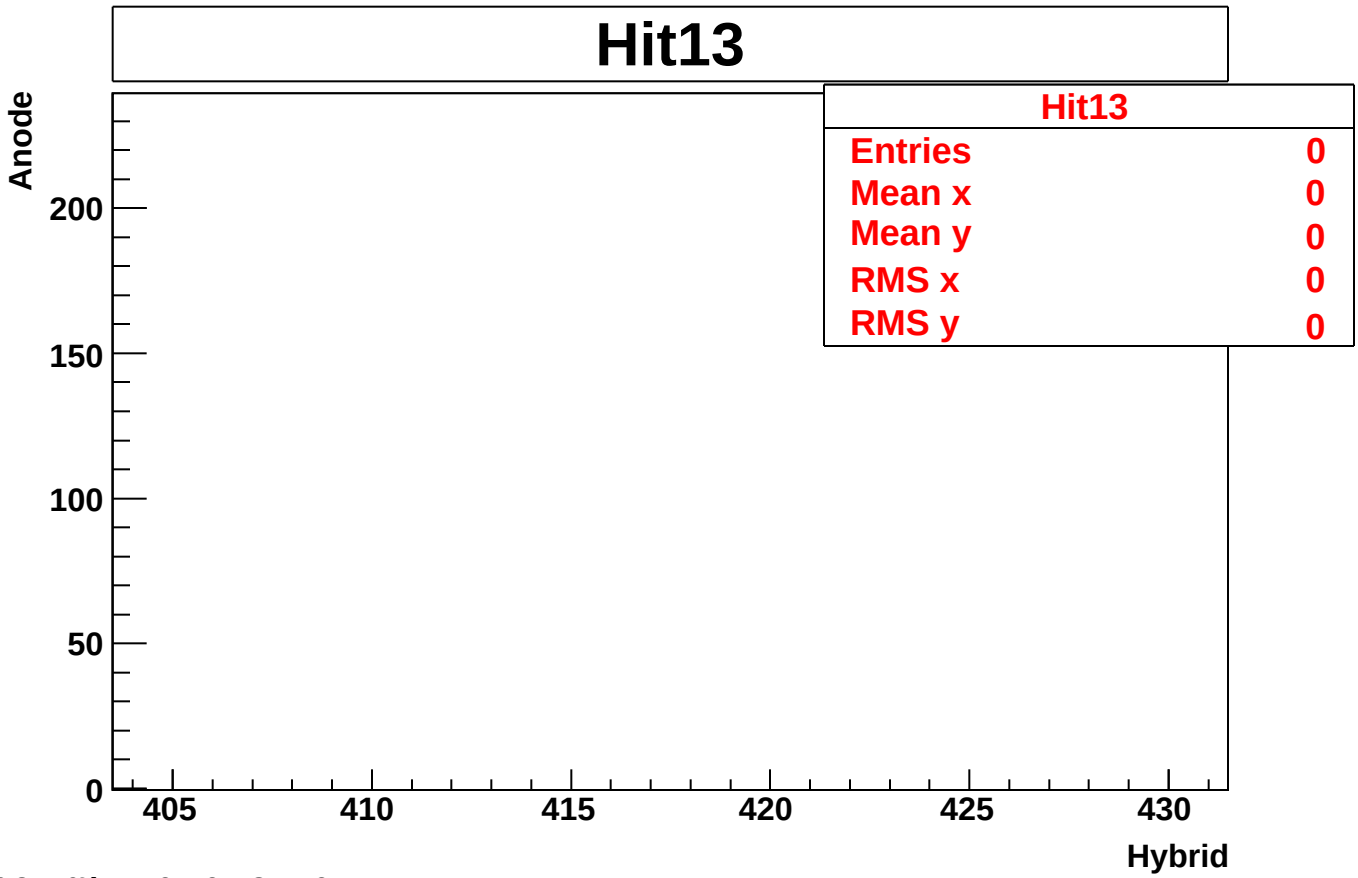
200
405
410
415
420
425
430
Hybrid


Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
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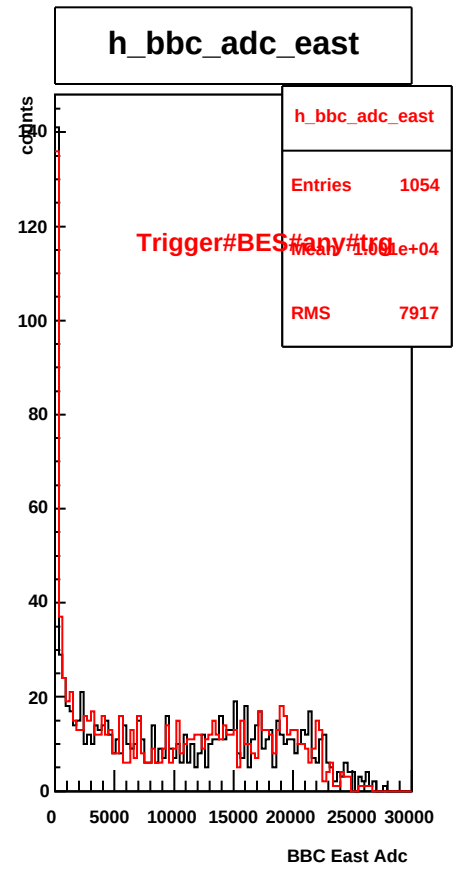
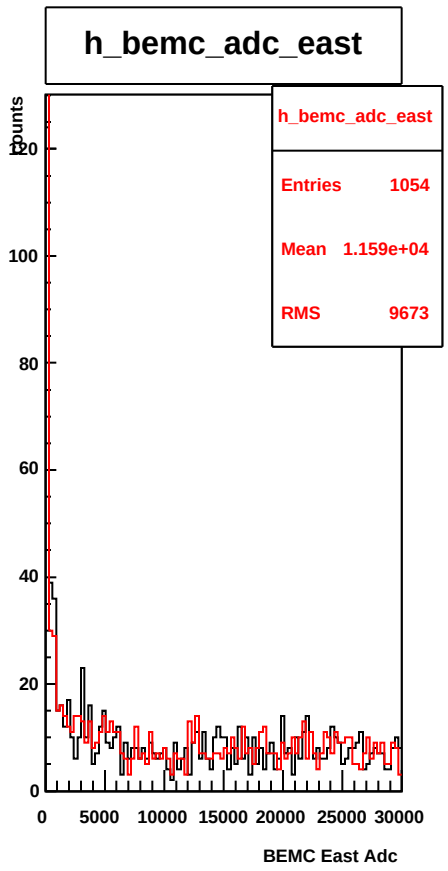
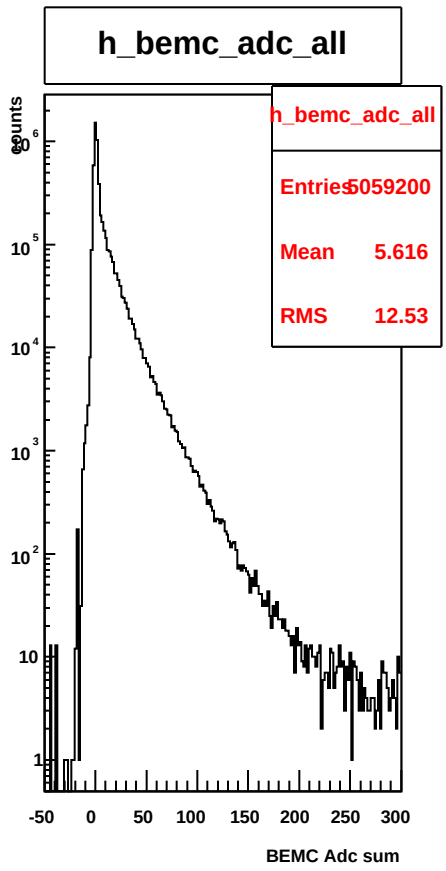
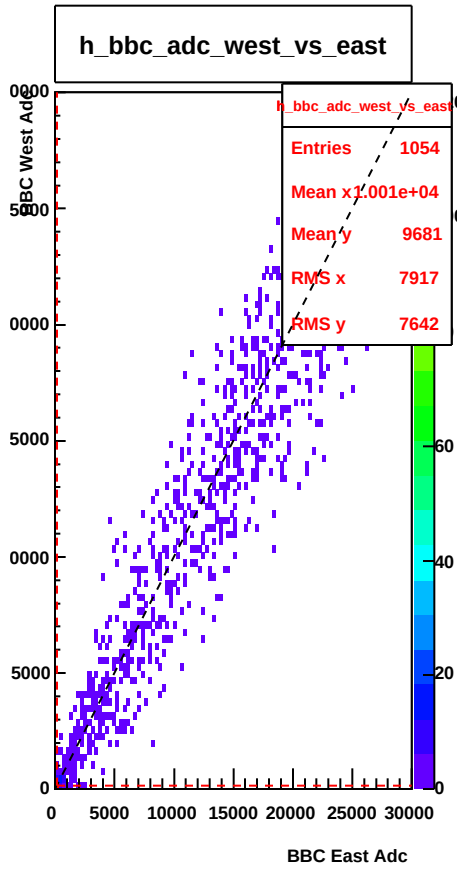
100
150
200
405
410
415
420
425
430
Hybrid

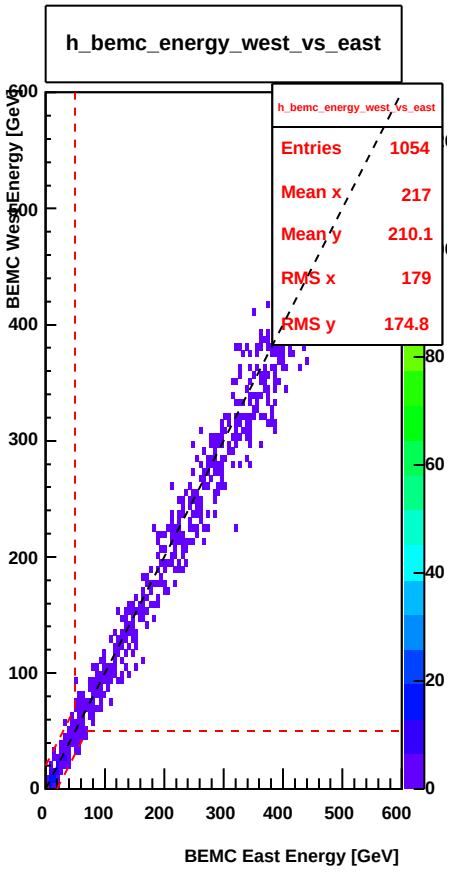
**Ssd#Pedestal#pedestal#ssd**

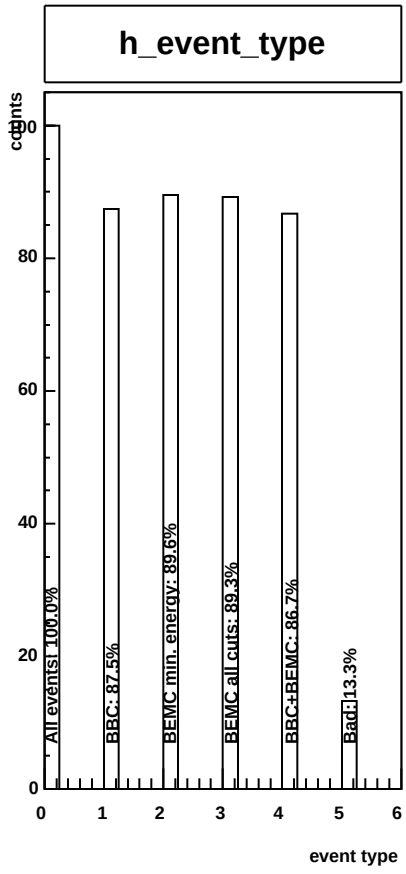

h_bbc_adc_east
h_bbc_adc_east
Entries 1054
Mean 1.001e+04
RMS 7917
Trigger#BES#any#trg
counts
BBC East Adc

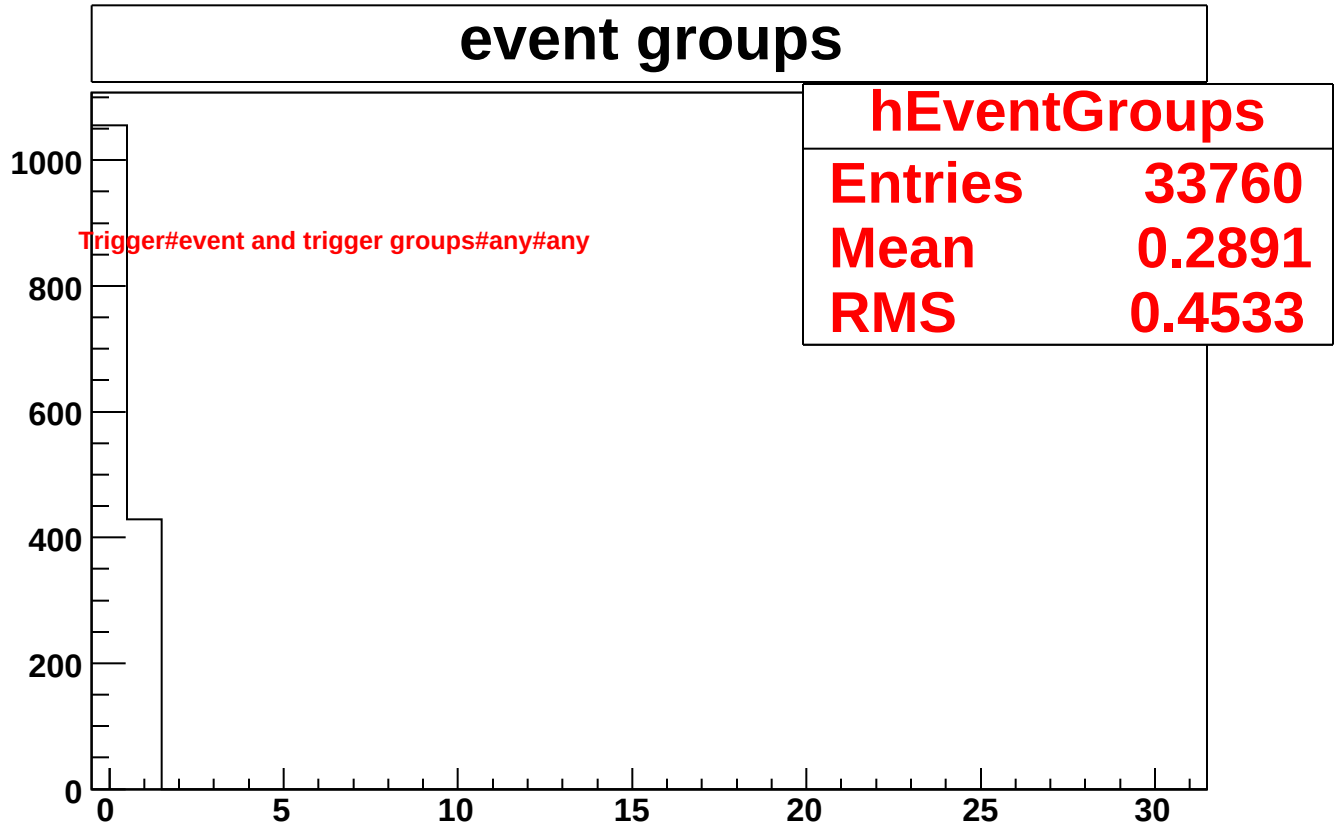

h_bemc_adc_east
h_bemc_adc_east
Entries 1054
Mean 1.159e+04
RMS 9673
counts
BEMC East Adc

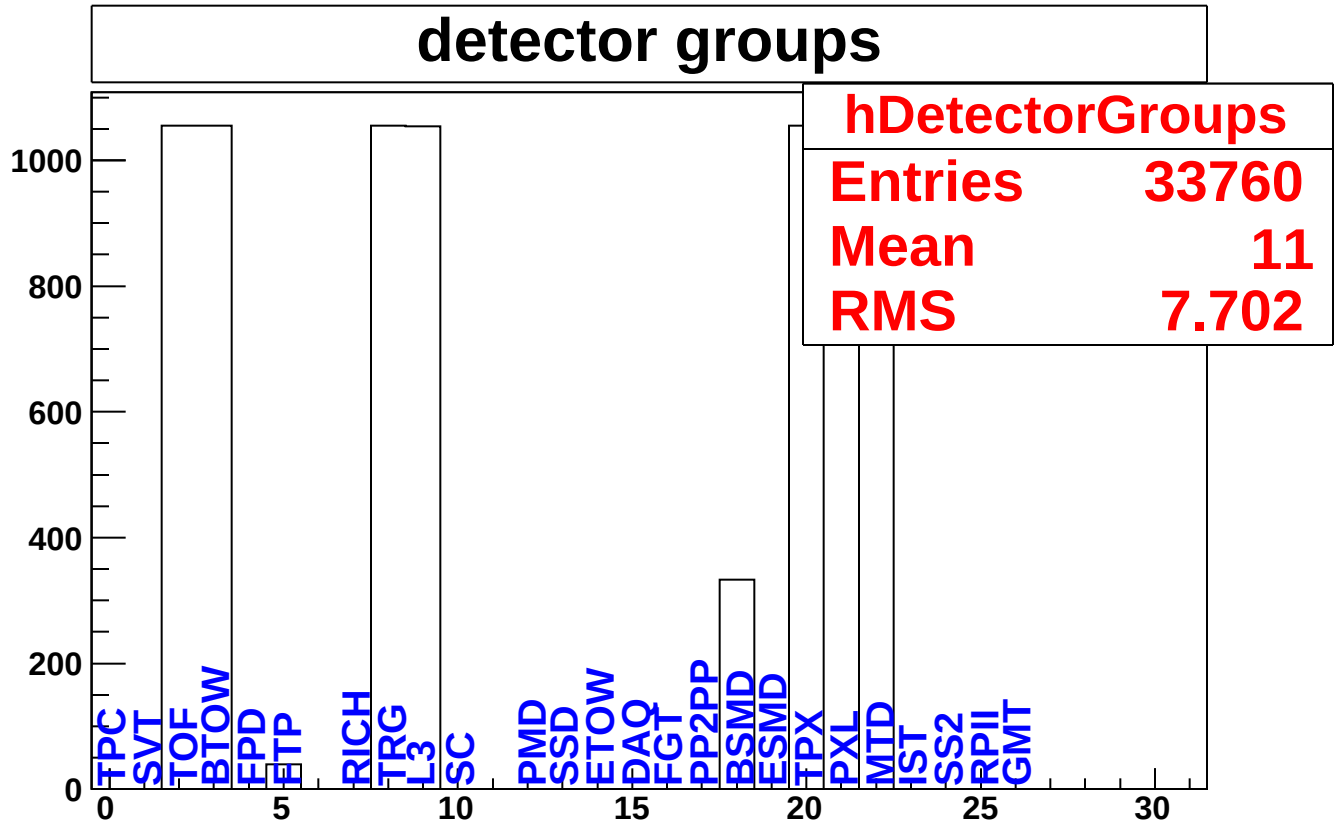

h_bemc_adc_all
h_bemc_adc_all
Entries 5059200
Mean 5.616
RMS 12.53
counts
BEMC Adc sum

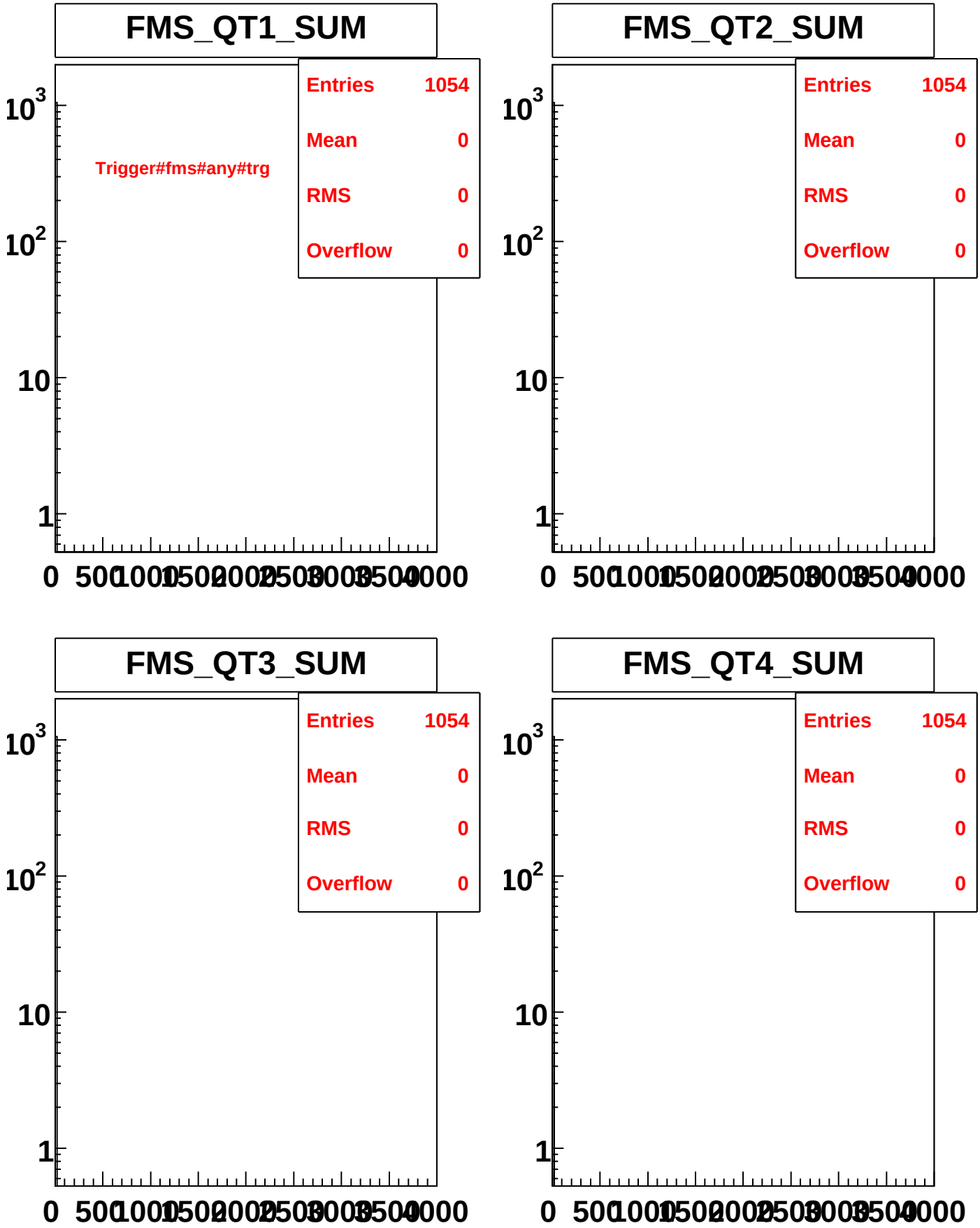

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 1054
Mean x 1.001e+04
Mean y 9681
RMS x 7917
RMS y 7642
BBC West Adc
BBC East Adc

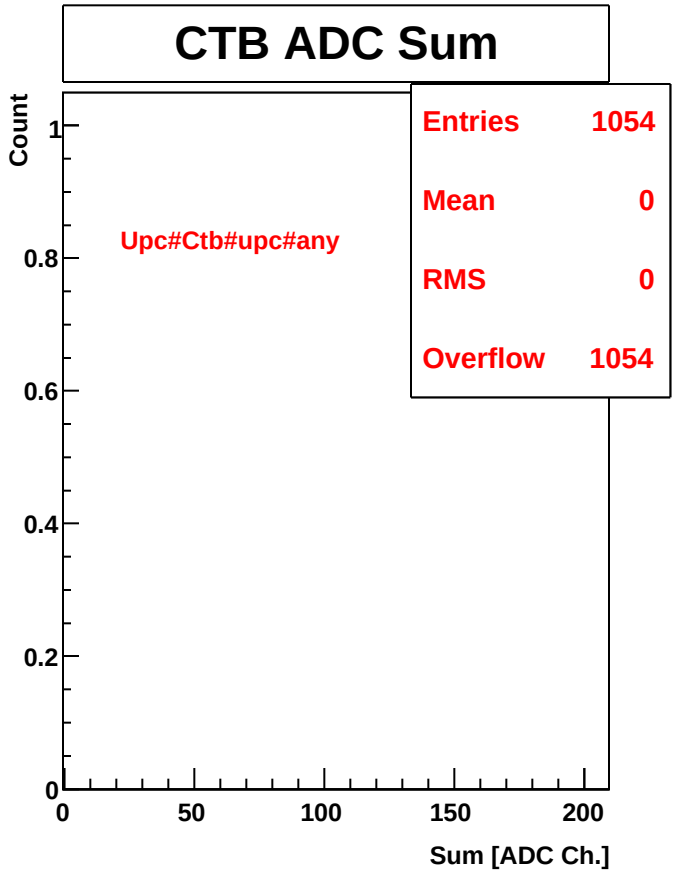

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 1054
Mean x 217
Mean y 210.1
RMS x 179
RMS y 174.8
BEMC West Energy [GeV]
BEMC East Energy [GeV]

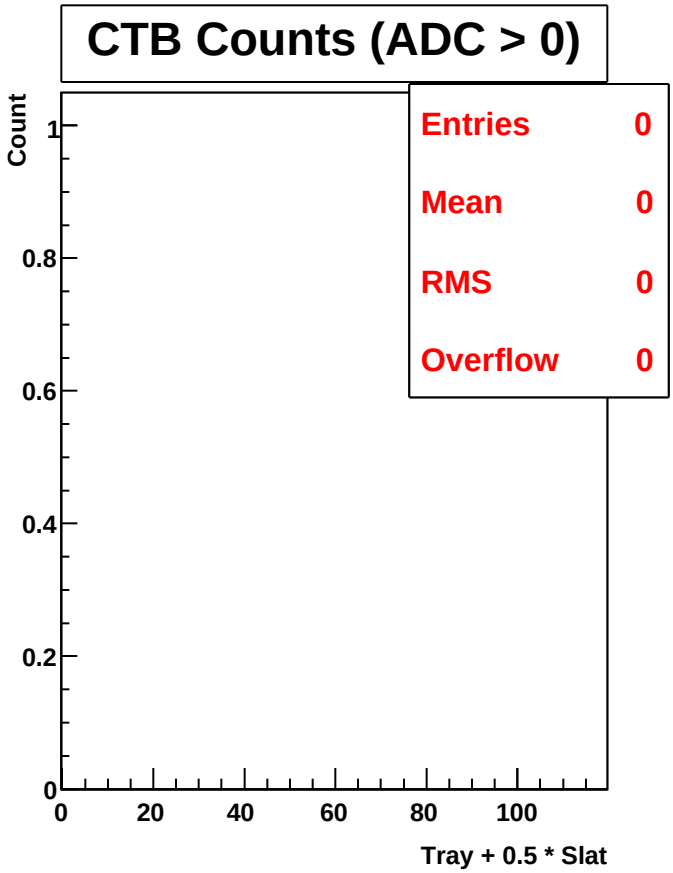

h_event_type
counts
All events: 100.0%
BBC: 87.5%
BEMC min. energy: 89.6%
BEMC all cuts: 89.3%
BBC+BEMC: 86.7%
Bad: 13.3%
event type

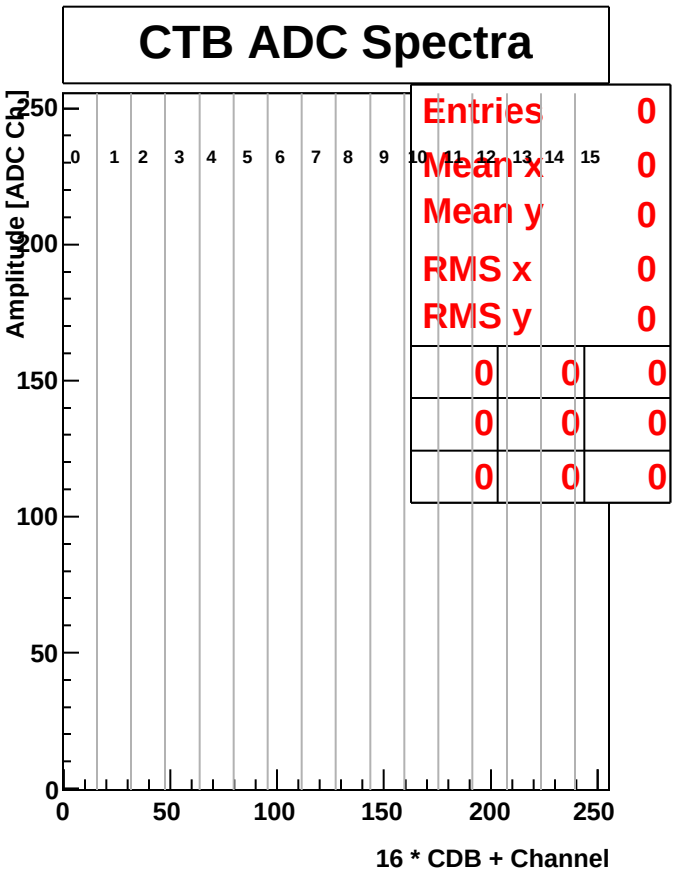

event groups
hEventGroups
Entries 33760
Mean 0.2891
RMS 0.4533
Trigger#event and trigger groups#any#any
0
200
400
600
800
1000
0
5
10
15
20
25
30

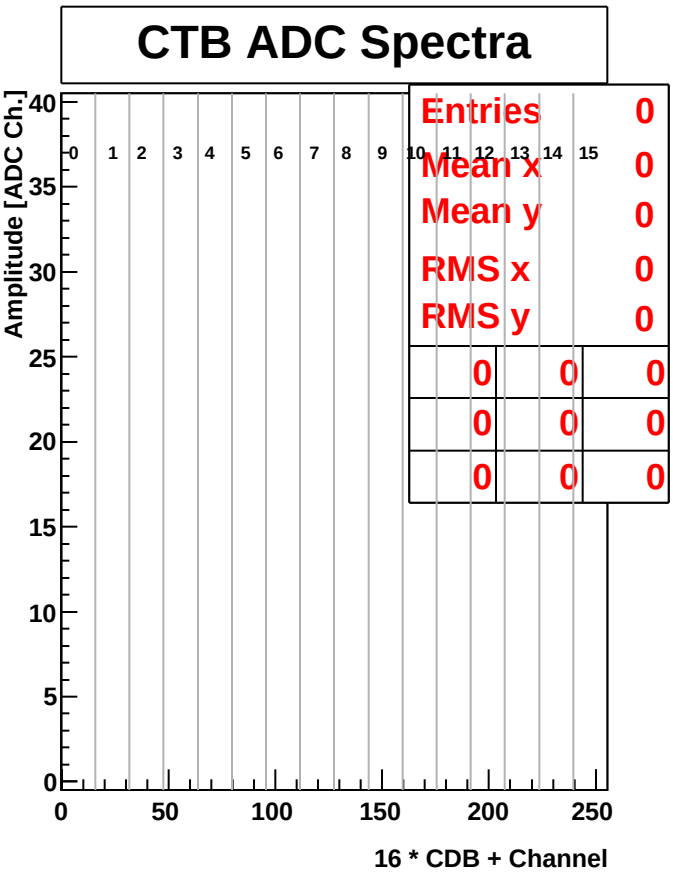

detector groups
hDetectorGroups
Entries 33760
Mean 11
RMS 7.702
0
200
400
600
800
1000
0
5
10
15
20
25
30
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
GMT

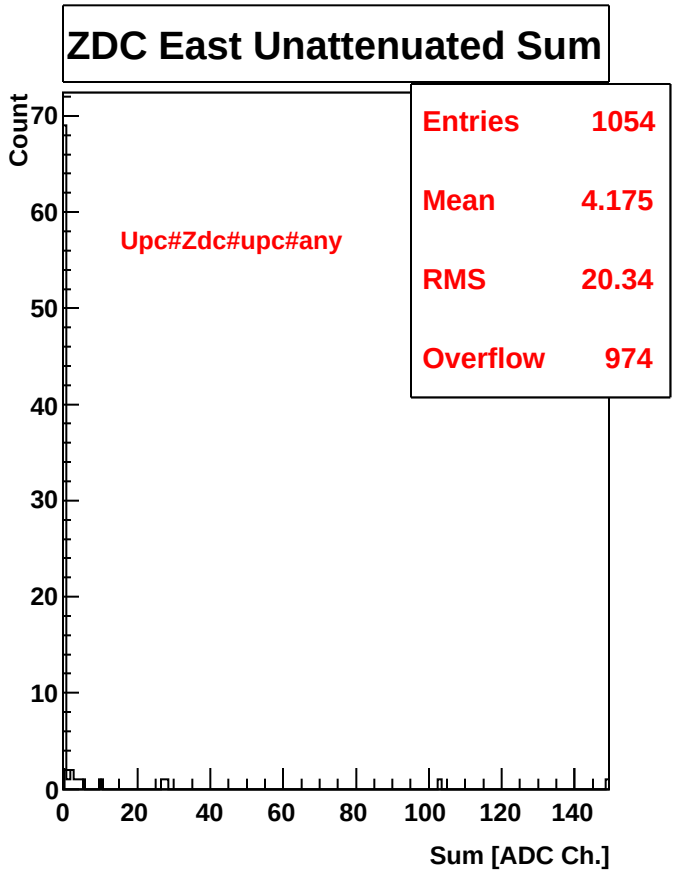

FMS_QT1_SUM
Entries 1054
Mean 0
RMS 0
Overflow 0
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 1054
Mean 0
RMS 0
Overflow 0
FMS_QT3_SUM
Entries 1054
Mean 0
RMS 0
Overflow 0
FMS_QT4_SUM
Entries 1054
Mean 0
RMS 0
Overflow 0

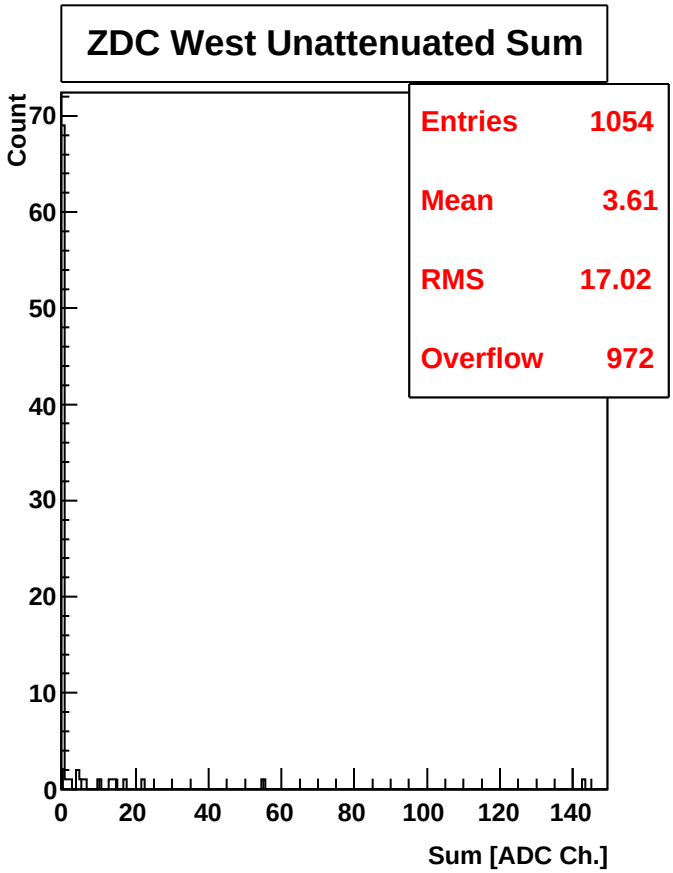

CTB ADC Sum
Count
Upc#Ctb#upc#any
Entries 1054
Mean 0
RMS 0
Overflow 1054
Sum [ADC Ch.]

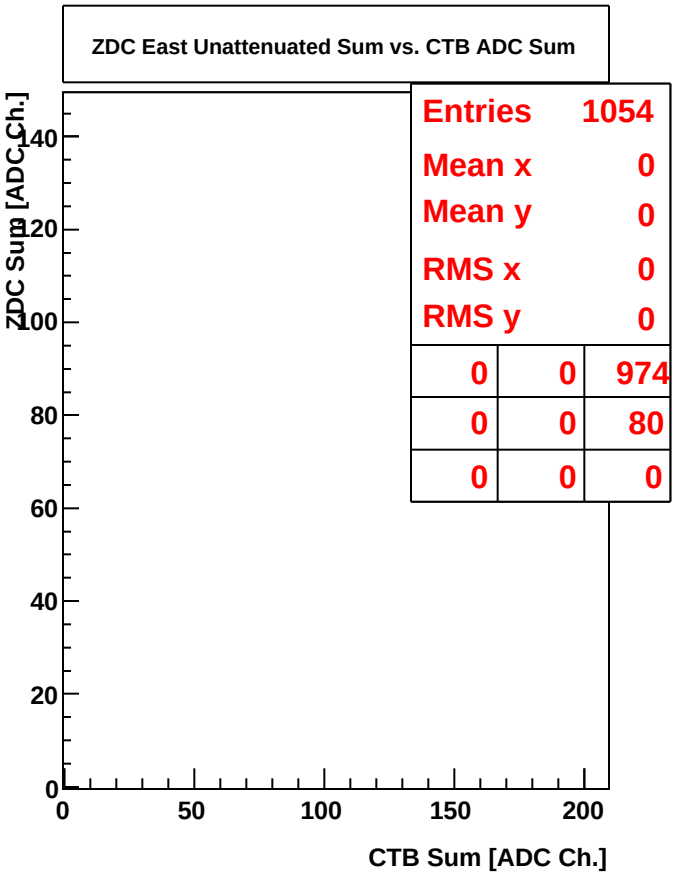

CTB Counts (ADC > 0)
Count
Entries 0
Mean 0
RMS 0
Overflow 0
Tray + 0.5 * Slat

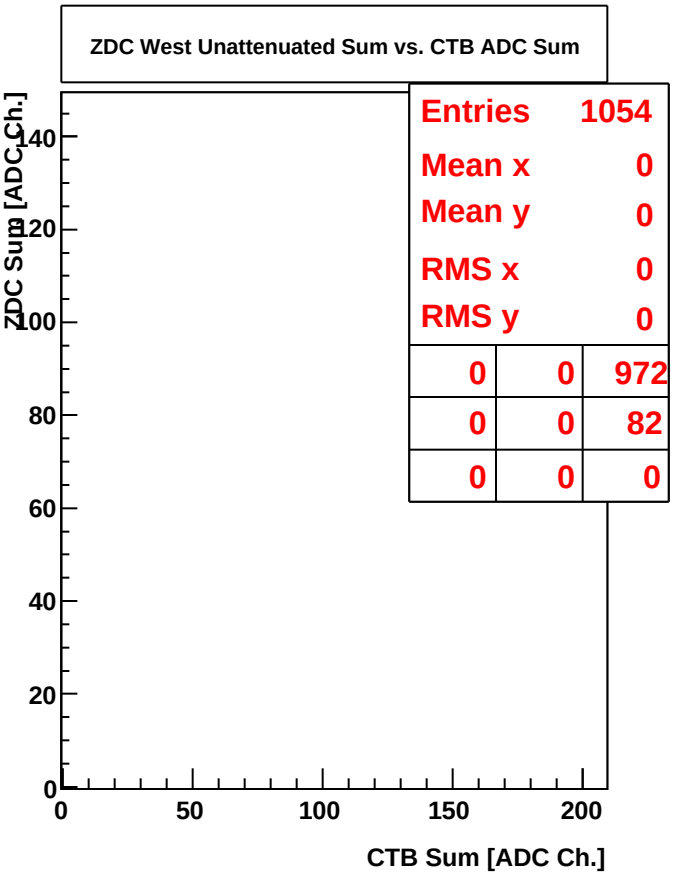

CTB ADC Spectra
Amplitude [ADC Ch.]
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
16 * CDB + Channel


CTB ADC Spectra
Amplitude [ADC Ch.]
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
16 * CDB + Channel


ZDC East Unattenuated Sum
Entries 1054
Mean 4.175
RMS 20.34
Overflow 974
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 1054
Mean 3.61
RMS 17.02
Overflow 972
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 1054
Mean x 0
Mean y 0
RMS x 0
RMS y 0
0 0 974
0 0 80
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 1054
Mean x 0
Mean y 0
RMS x 0
RMS y 0
0 0 972
0 0 82
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]