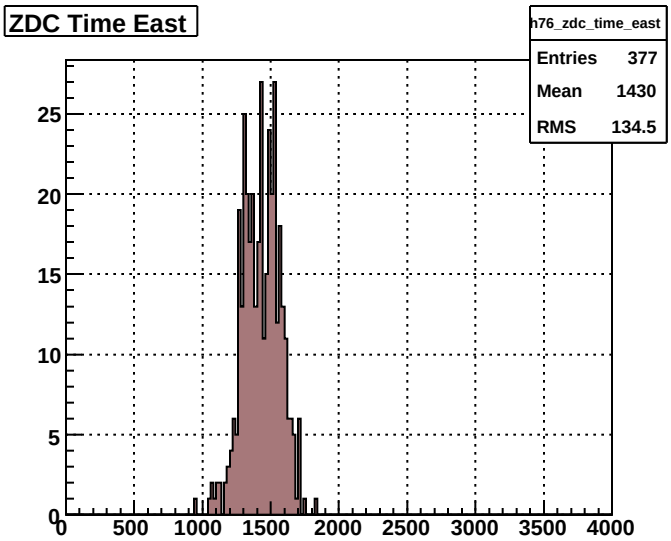
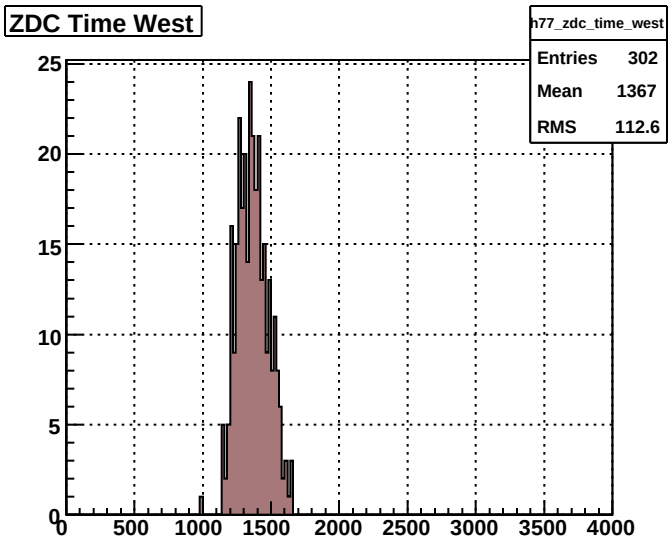
Run: #12079038

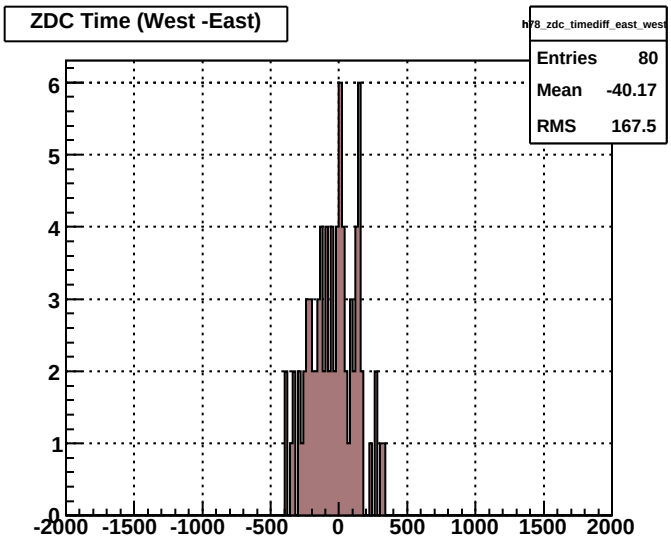
TriggerBits: 11111111 11111111 11111111 11111111

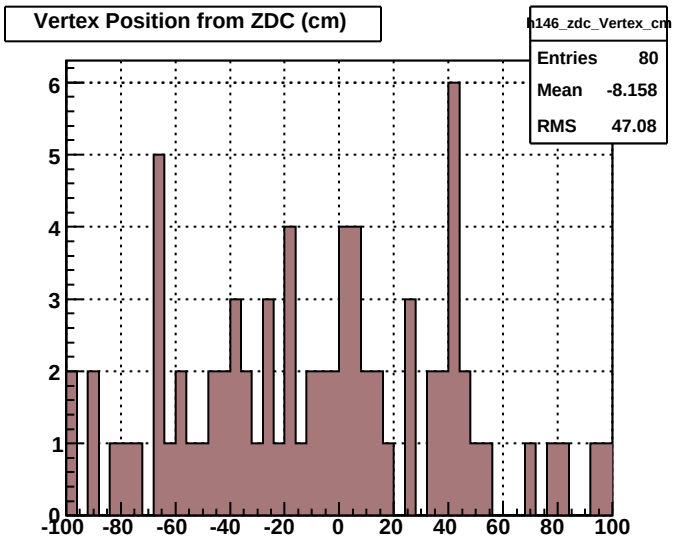
DetectorBits: 00000000 01011100 01000011 00001100

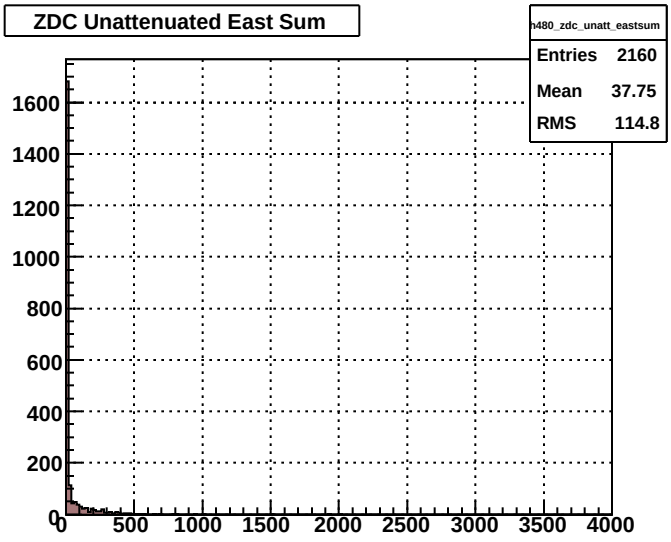
Sun Mar 20 20:04:40 2011

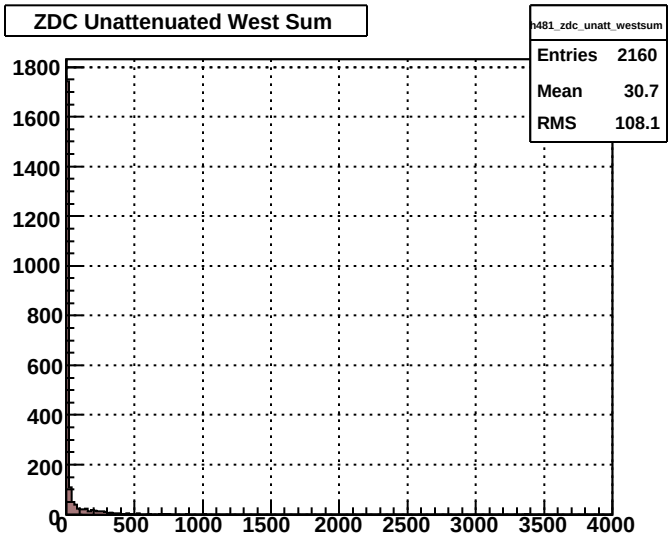

ZDC Time East
h76_zdc_time_east
Entries 377
Mean 1430
RMS 134.5

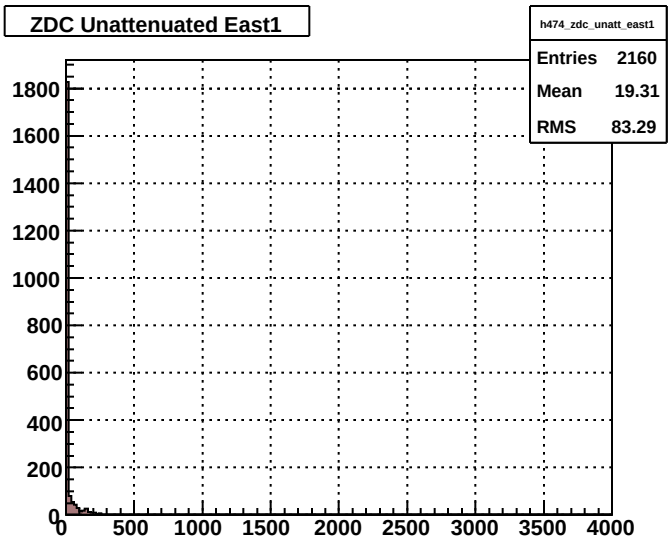

ZDC Time West
h77_zdc_time_west
Entries 302
Mean 1367
RMS 112.6

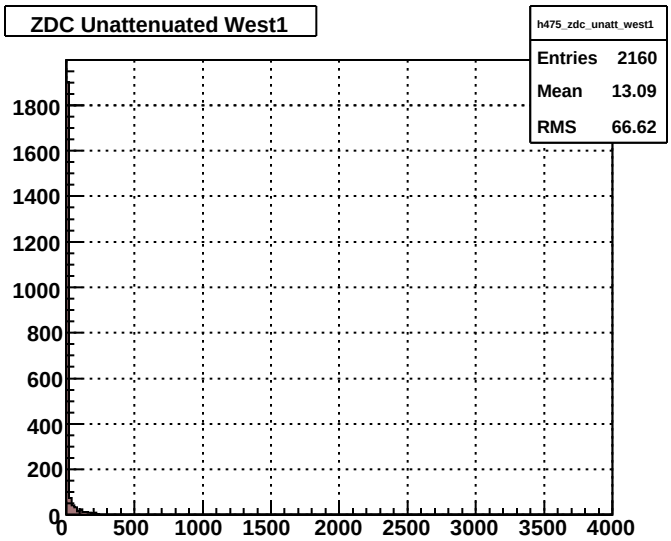

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 80
Mean -40.17
RMS 167.5

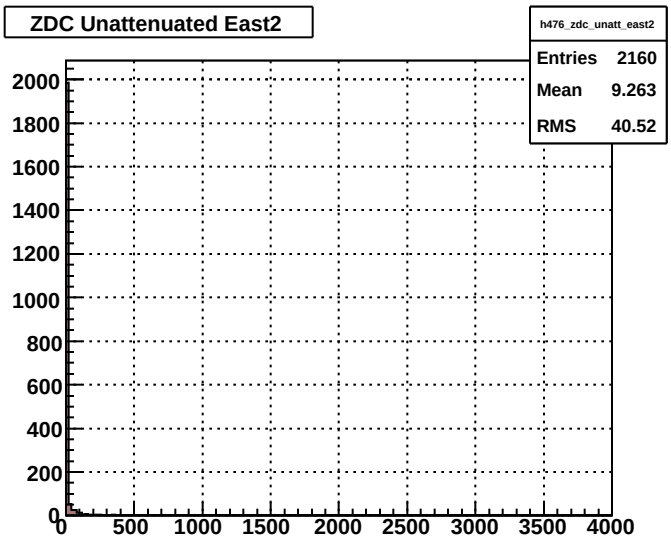

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 80
Mean -8.158
RMS 47.08

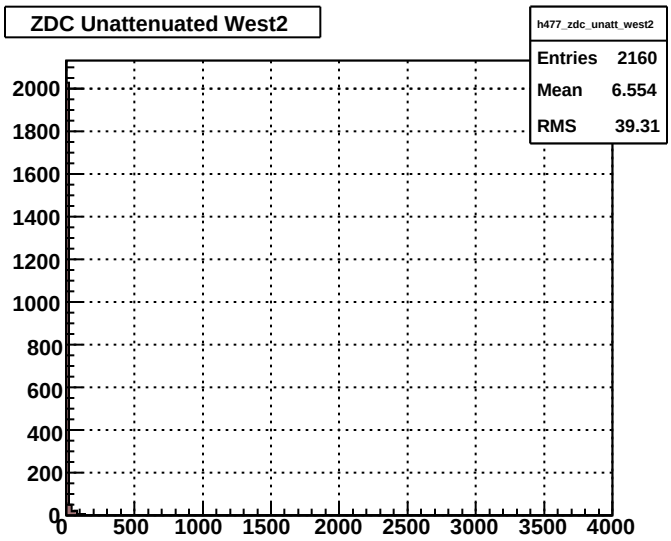

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 2160
Mean 37.75
RMS 114.8

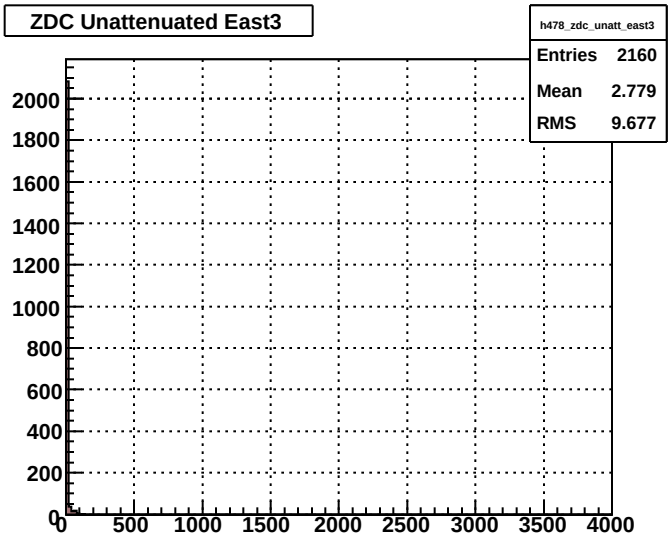

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 2160
Mean 30.7
RMS 108.1

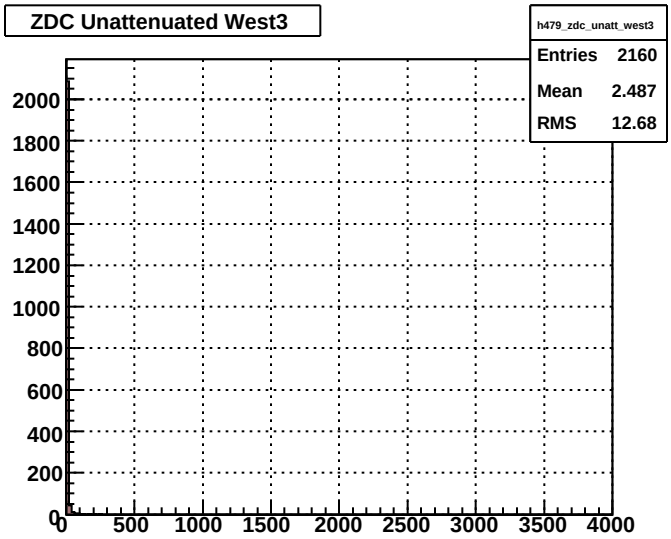

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 2160
Mean 19.31
RMS 83.29

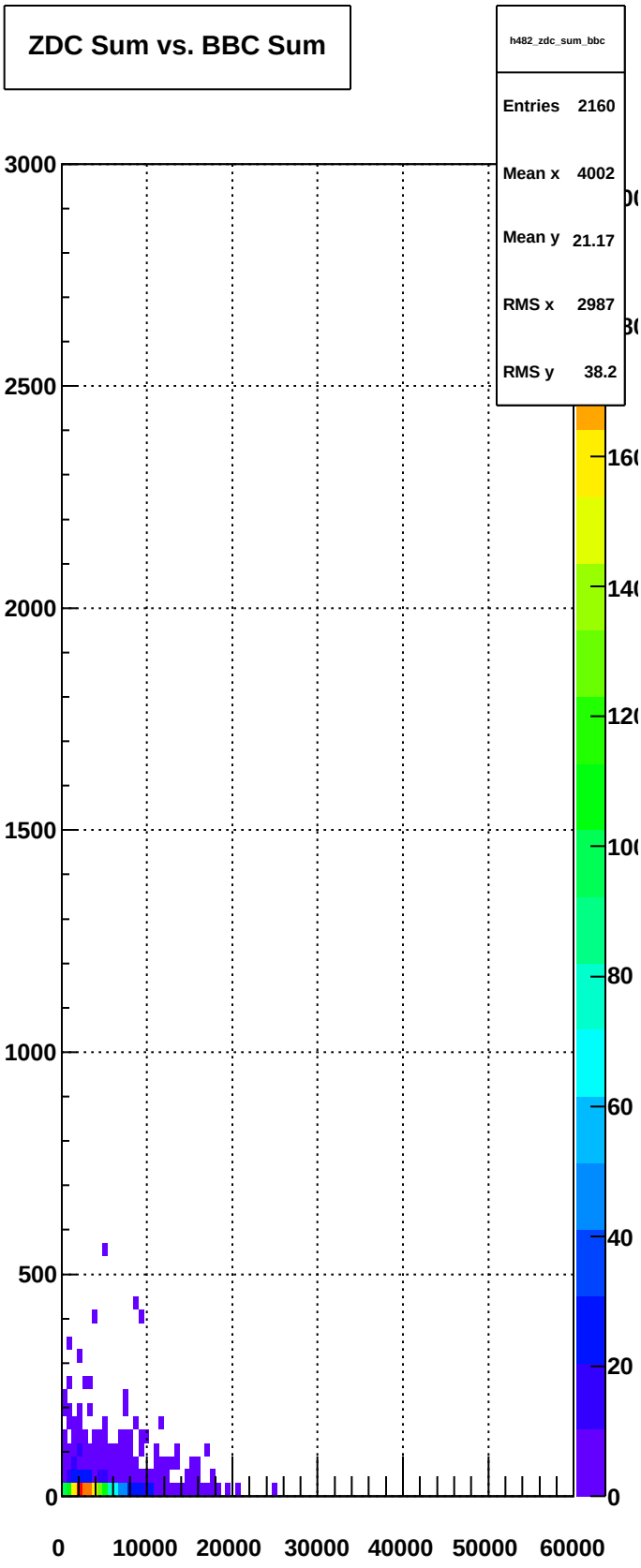

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 2160
Mean 13.09
RMS 66.62

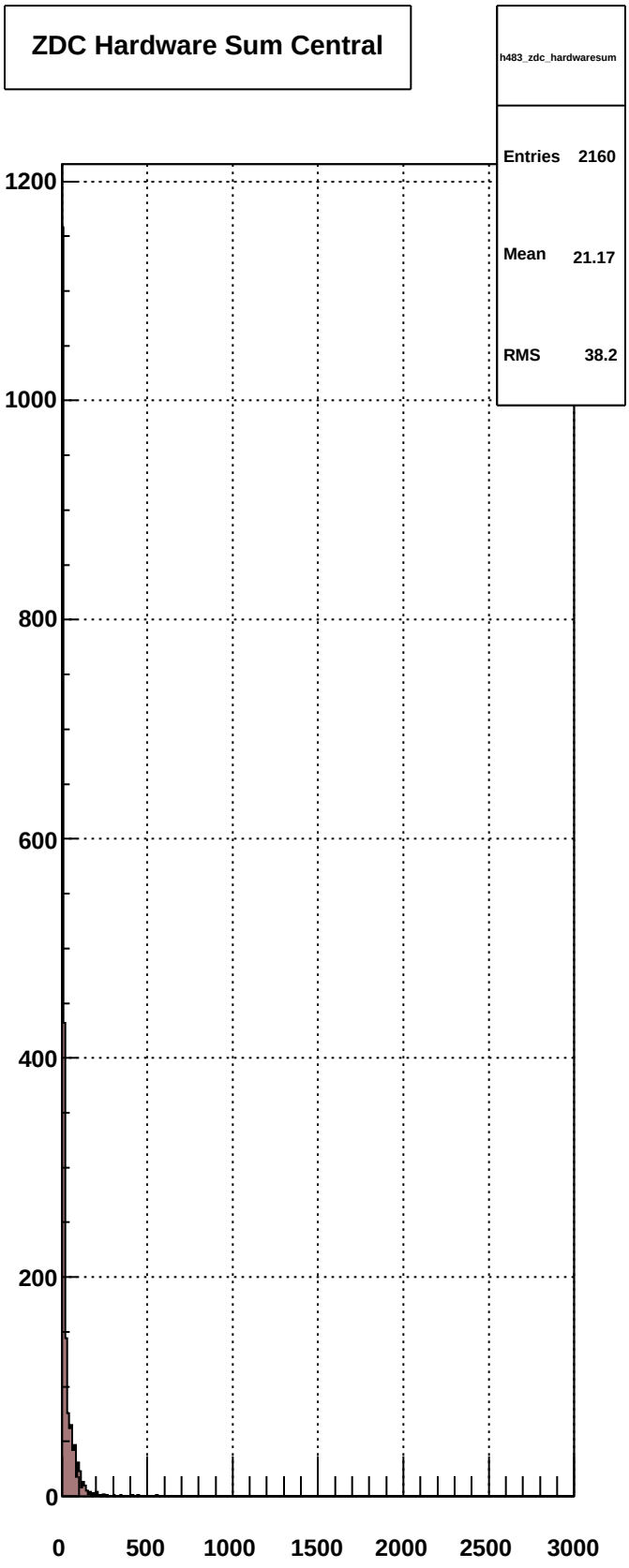

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 2160
Mean 9.263
RMS 40.52

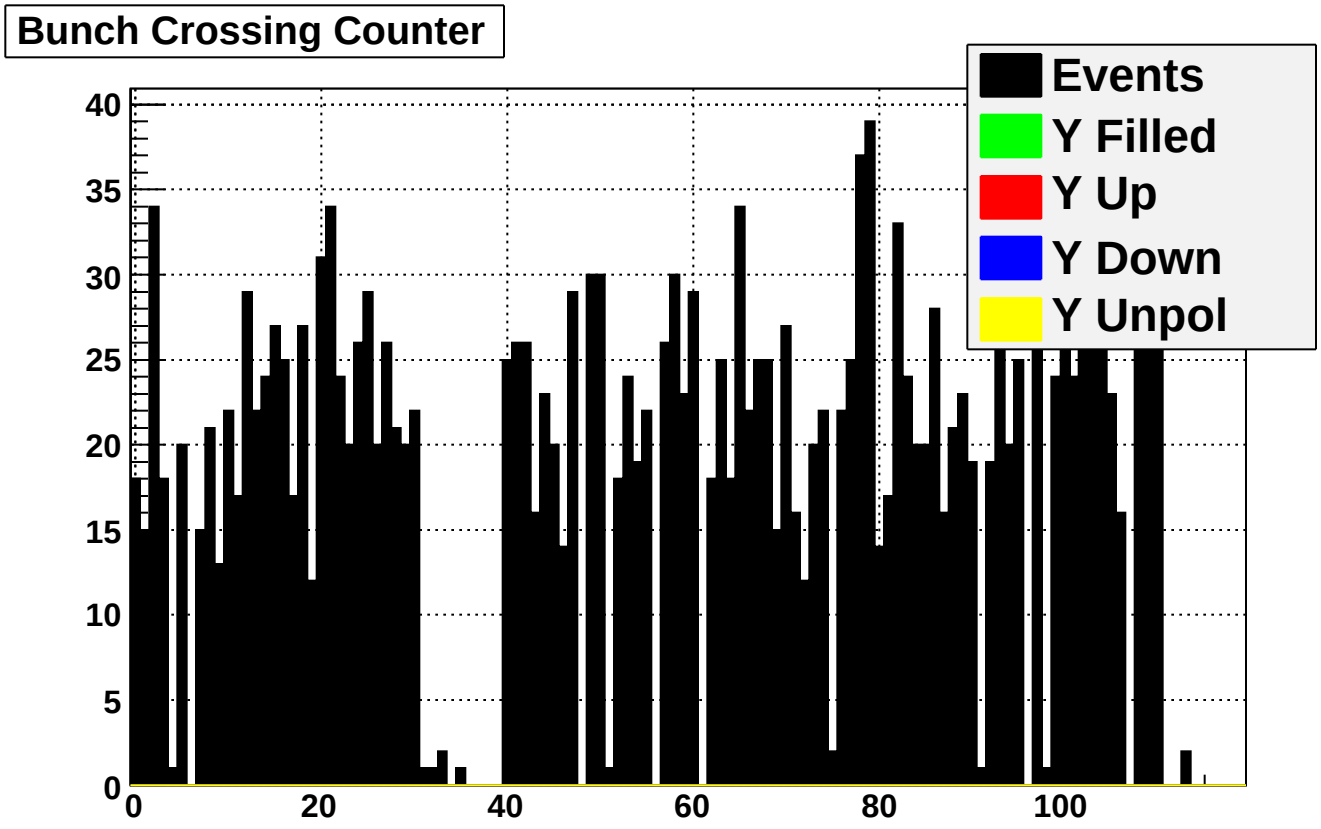

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 2160
Mean 6.554
RMS 39.31

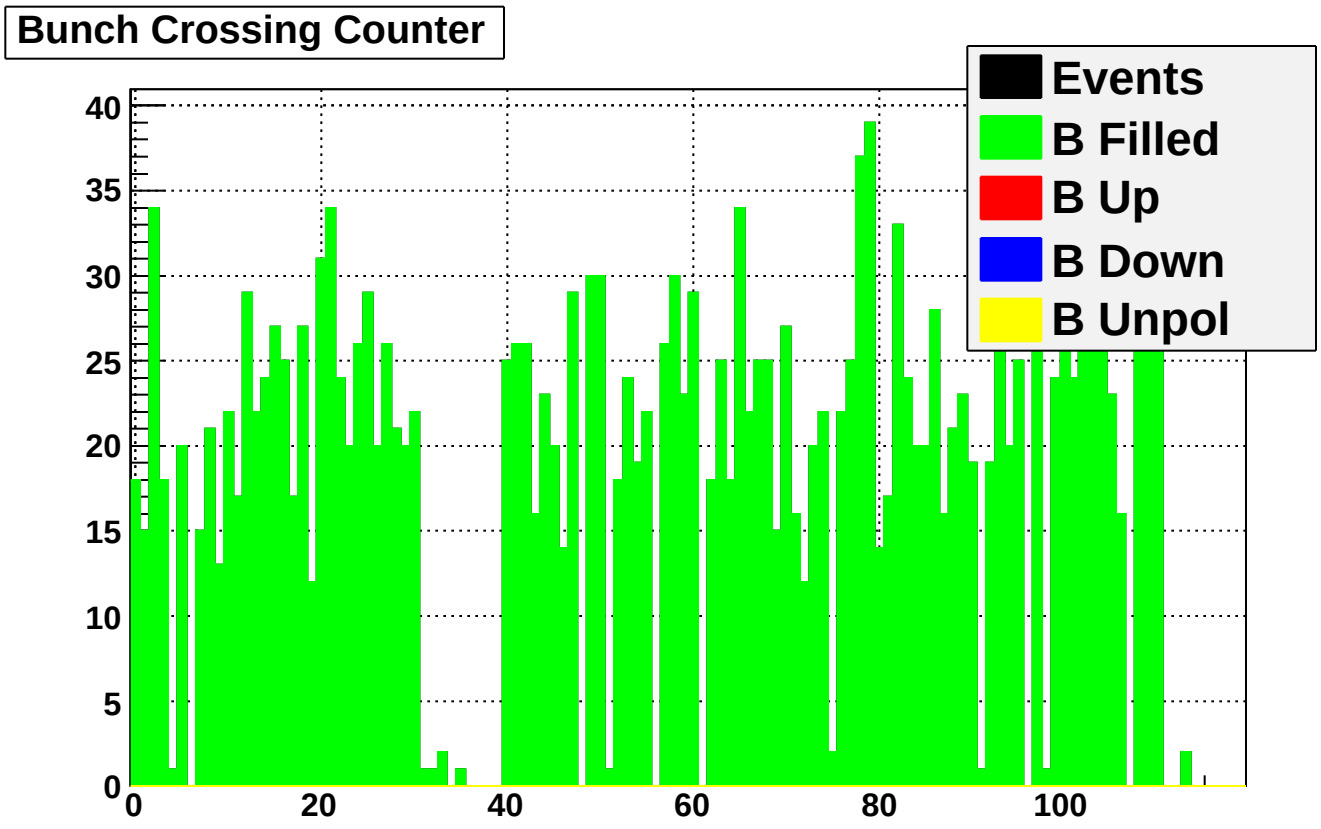

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 2160
Mean 2.779
RMS 9.677

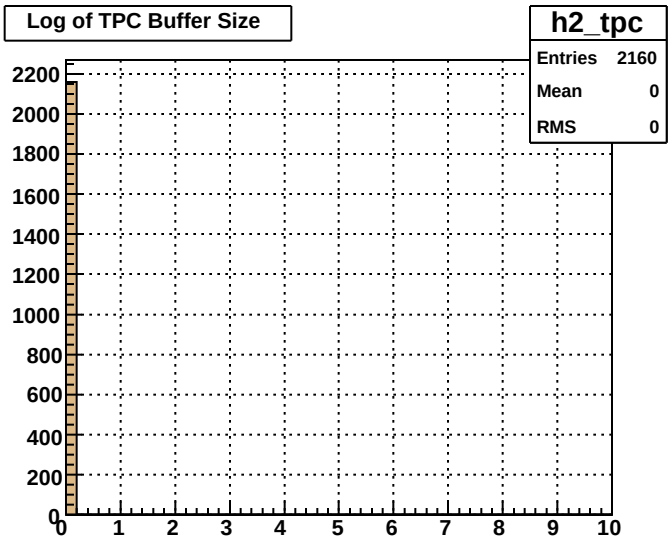

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 2160
Mean 2.487
RMS 12.68

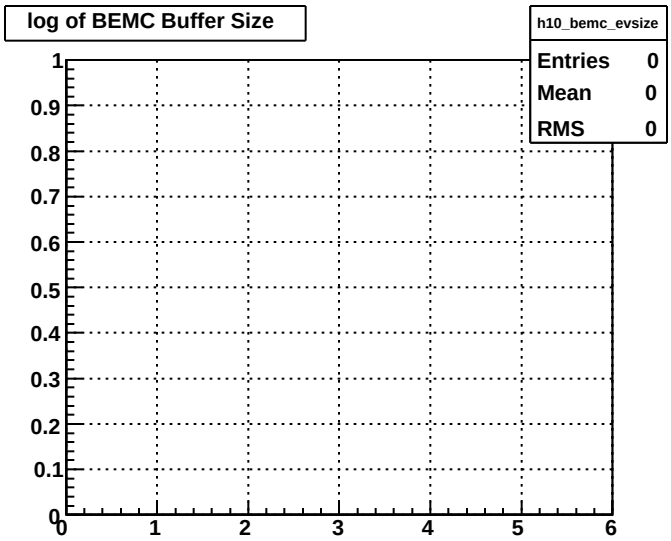

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 2160
Mean x 4002
Mean y 21.17
RMS x 2987
RMS y 38.2
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
160
140
120
100
80
60
40
20
0

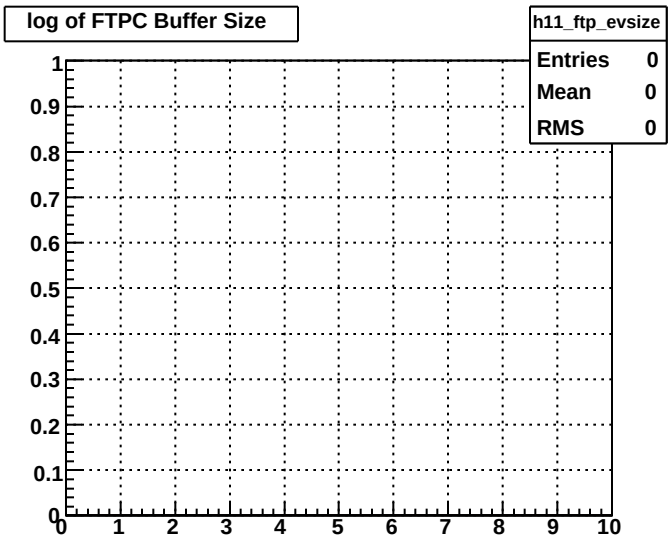

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 2160
Mean 21.17
RMS 38.2
1200
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000

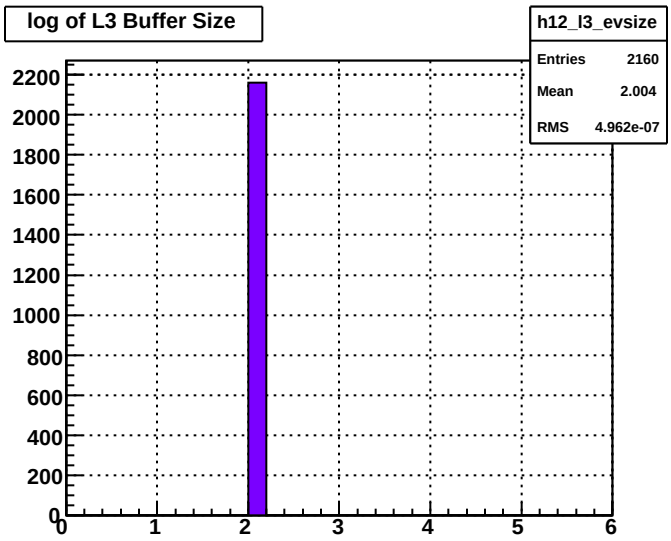

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
5
10
15
20
25
30
35
40
0
20
40
60
80
100

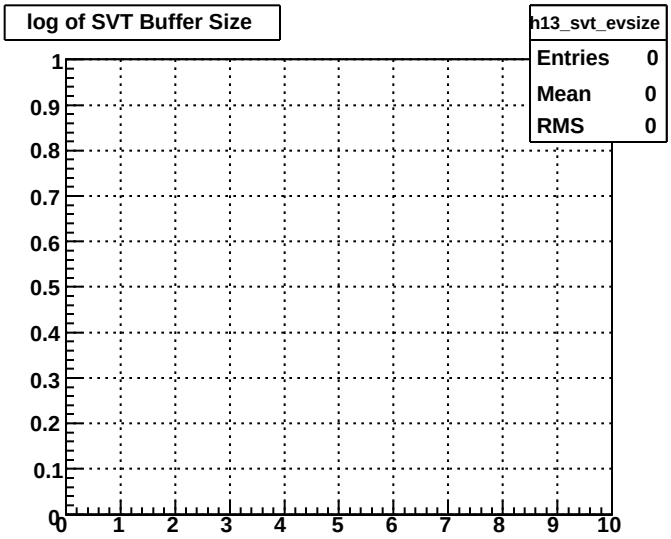

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
5
10
15
20
25
30
35
40
0
20
40
60
80
100

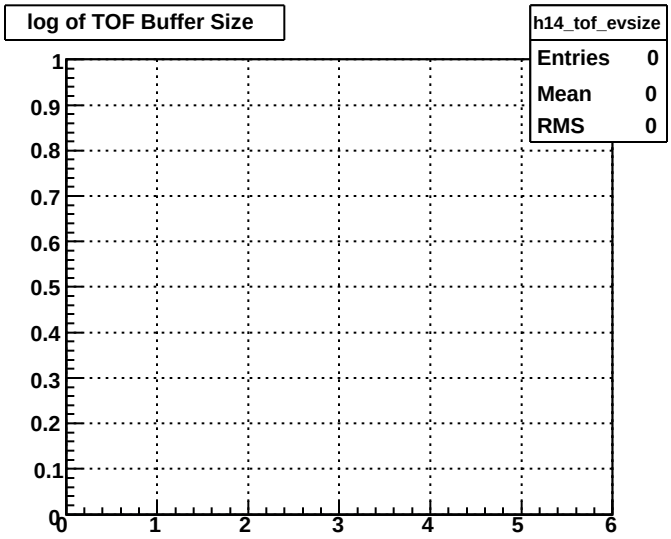

Log of TPC Buffer Size
h2_tpc
Entries 2160
Mean 0
RMS 0

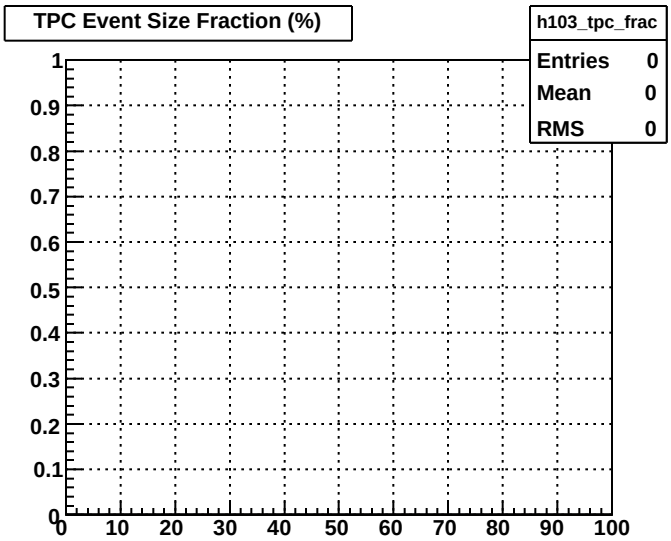

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

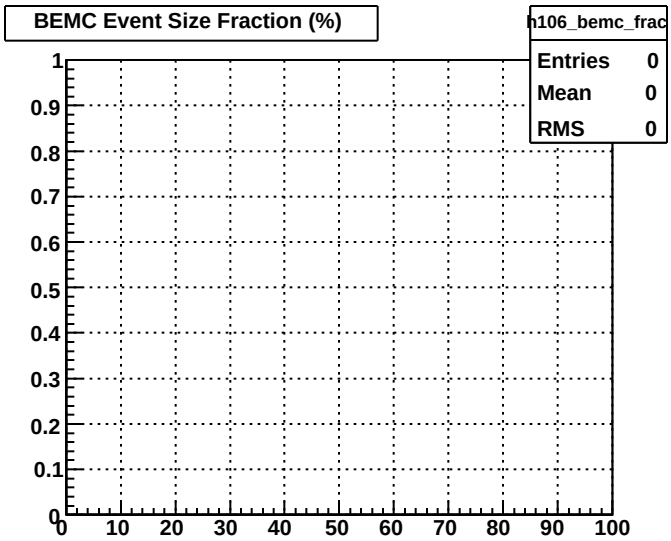

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

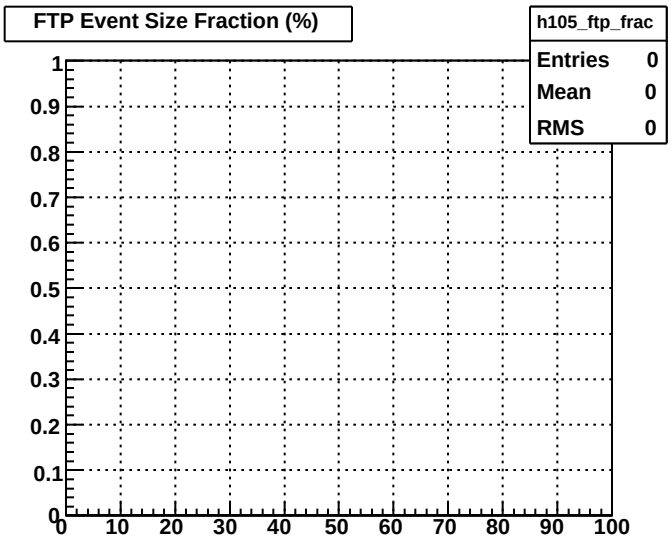

log of L3 Buffer Size
h12_l3_evsize
Entries 2160
Mean 2.004
RMS 4.962e-07

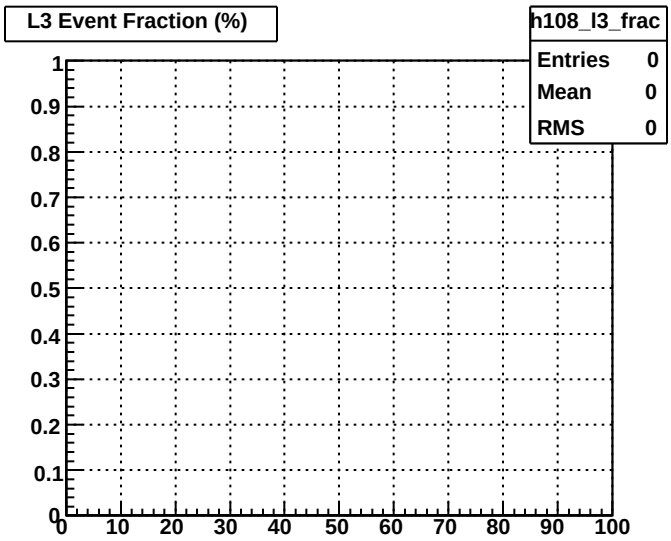

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

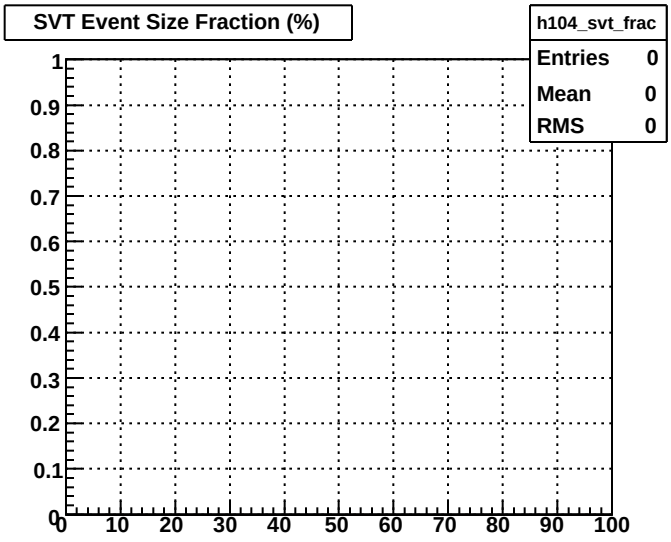

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

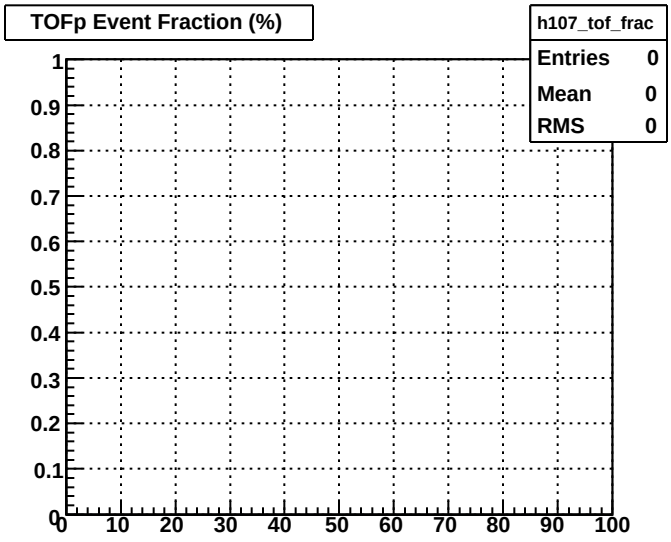

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

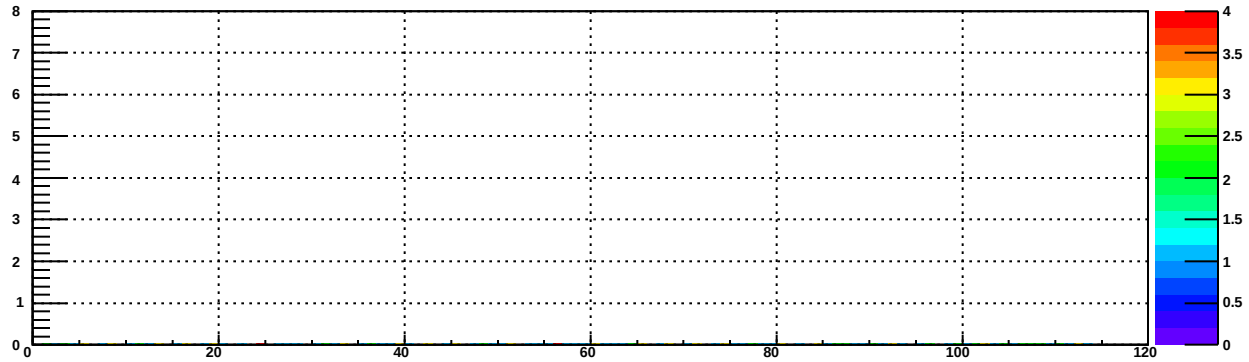

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


L3 Event Fraction (%)
h108_l3_frac
Entries 0
Mean 0
RMS 0

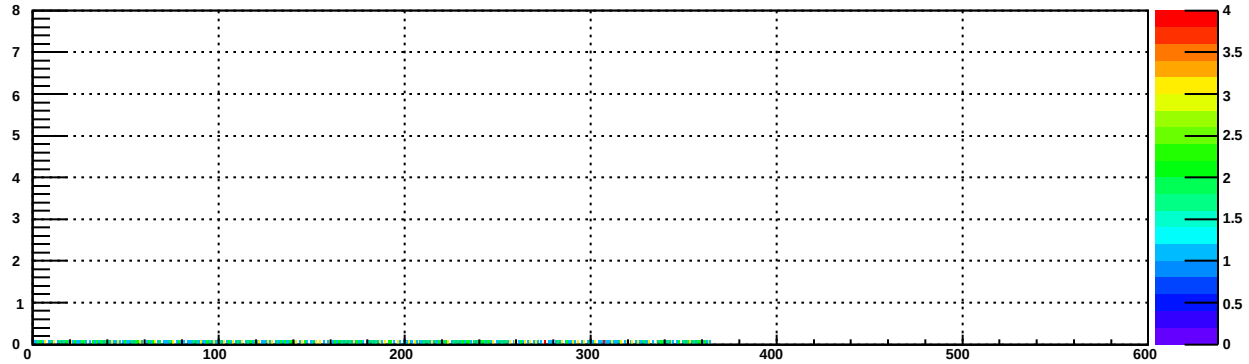

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

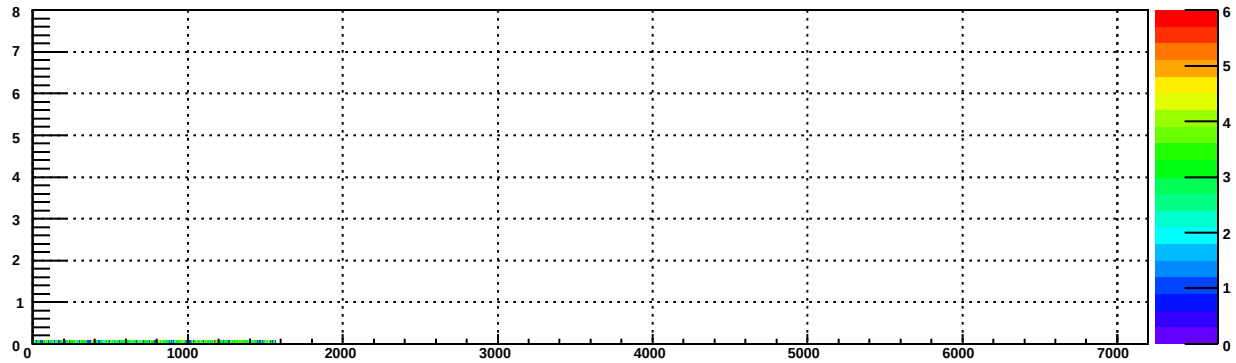
Event Size (Log10) vs time (sec)



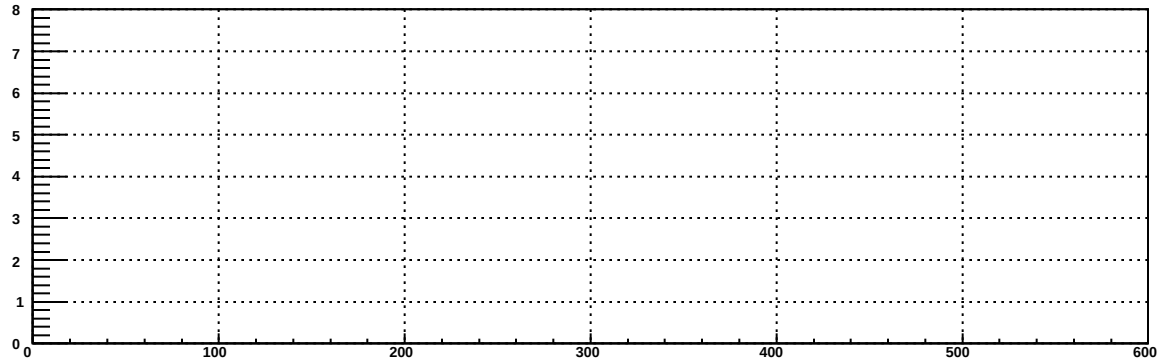
Event Size (Log10) vs time (sec)

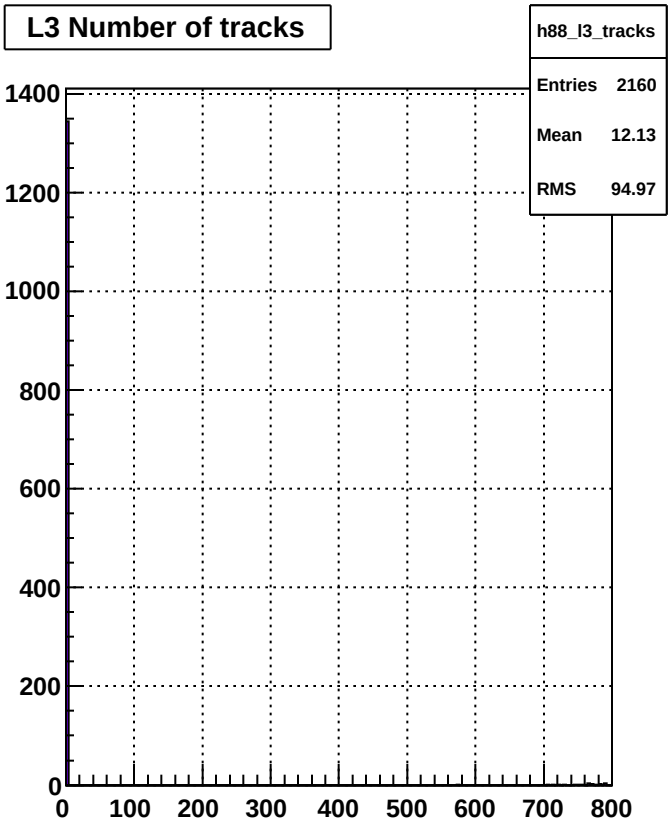


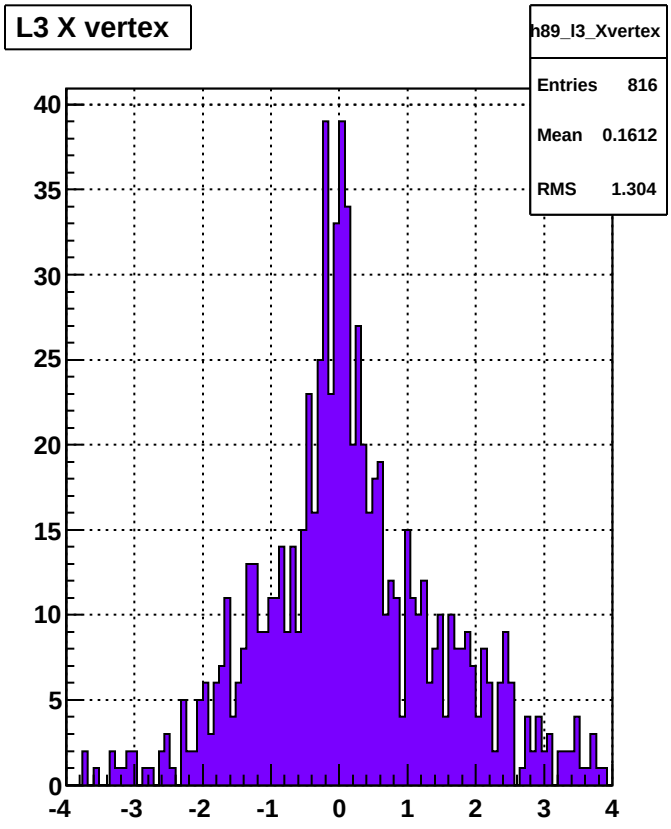
Event Size (Log10) vs time(sec)

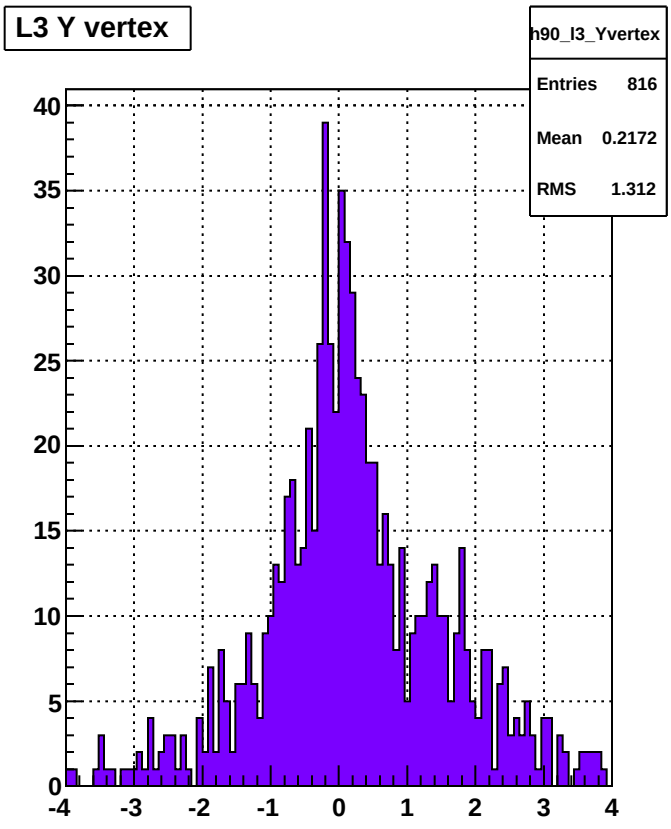


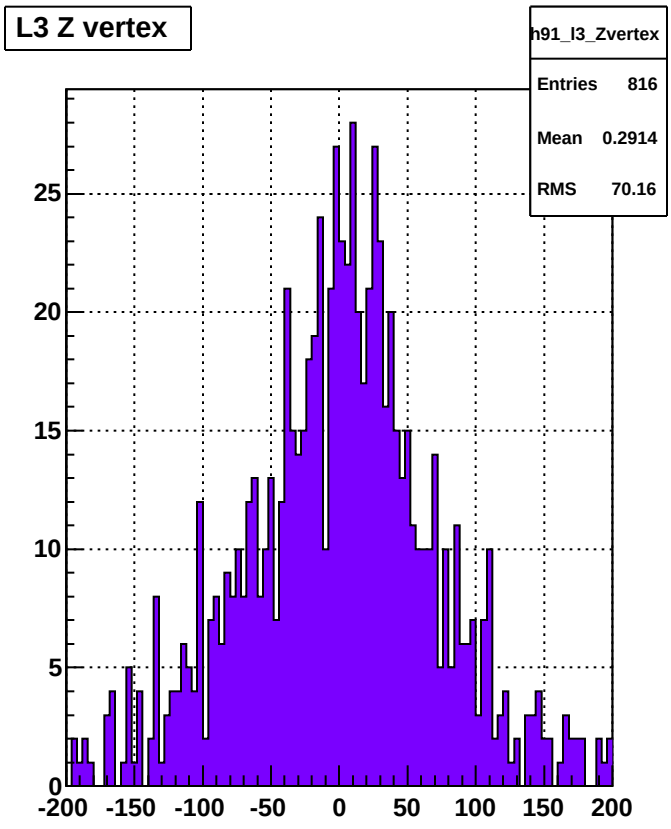
FTPC Event Size vs time(sec)



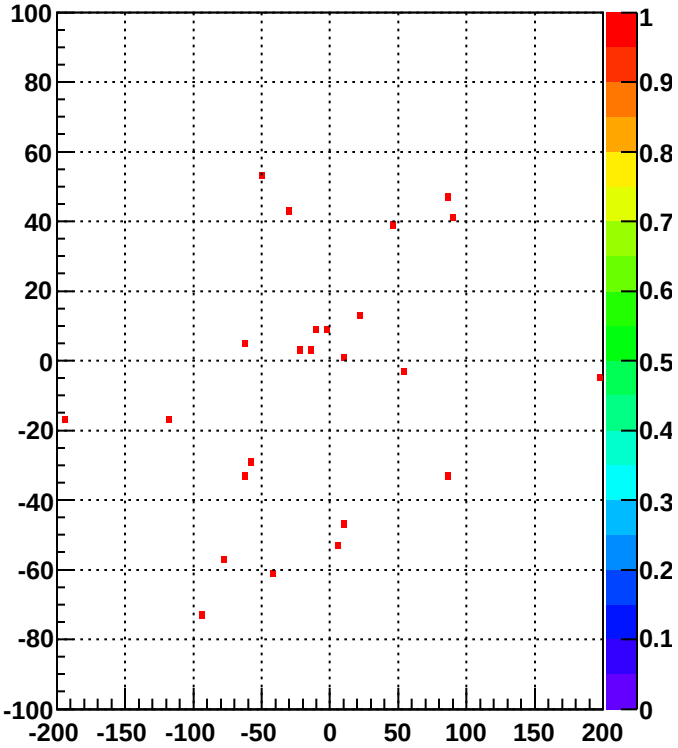

L3 Number of tracks
h88_l3_tracks
Entries 2160
Mean 12.13
RMS 94.97
1400
1200
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800


L3 X vertex
h89_l3_Xvertex
Entries 816
Mean 0.1612
RMS 1.304
40
35
30
25
20
15
10
5
0
-4 -3 -2 -1 0 1 2 3 4

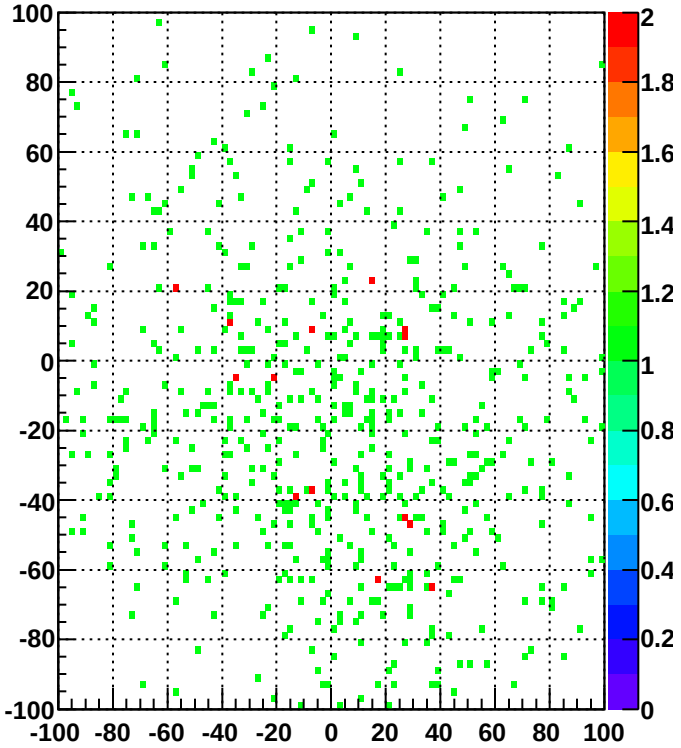

L3 Y vertex
h90_l3_Yvertex
Entries 816
Mean 0.2172
RMS 1.312
40
35
30
25
20
15
10
5
0
-4 -3 -2 -1 0 1 2 3 4


L3 Z vertex
h91_l3_Zvertex
Entries 816
Mean 0.2914
RMS 70.16
25
20
15
10
5
0
-200 -150 -100 -50 0 50 100 150 200

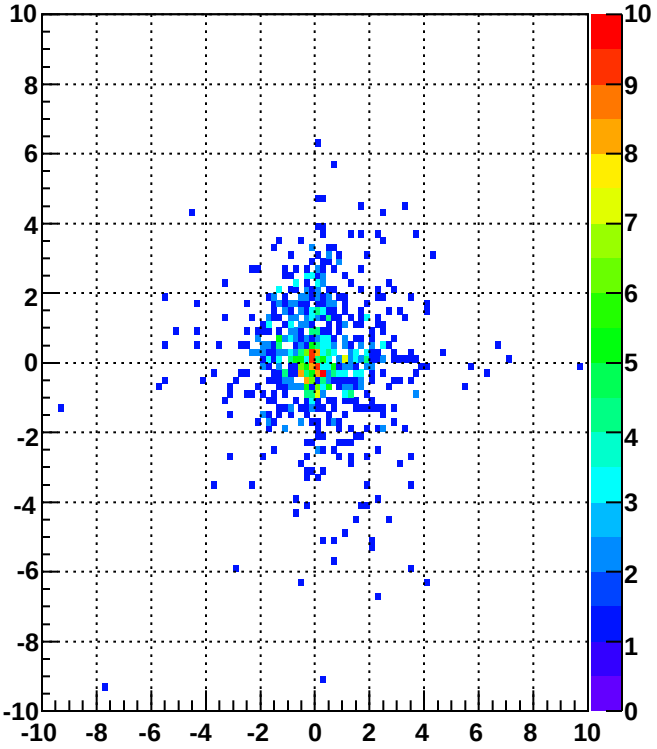
ZDC Vertex vs L3 Vertex



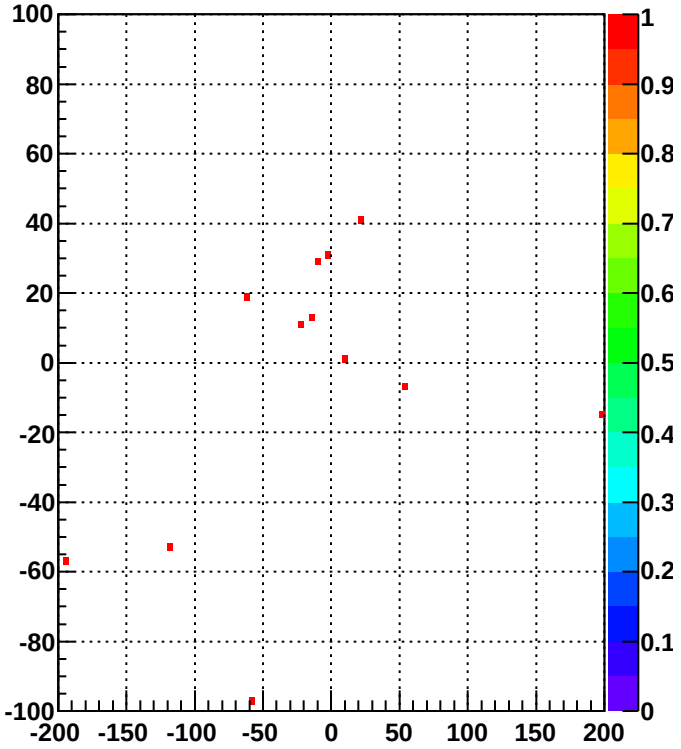
BBC Vertex vs L3 Vertex

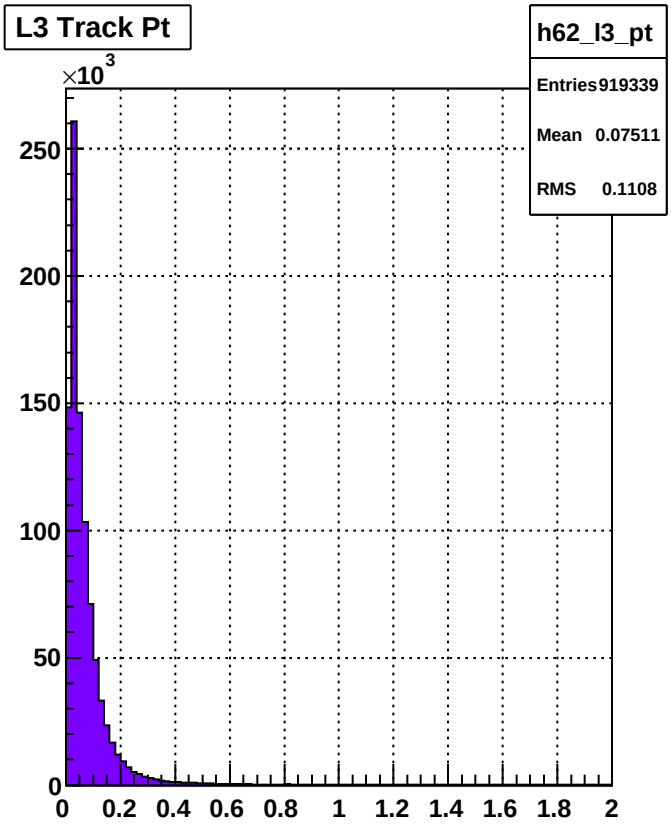


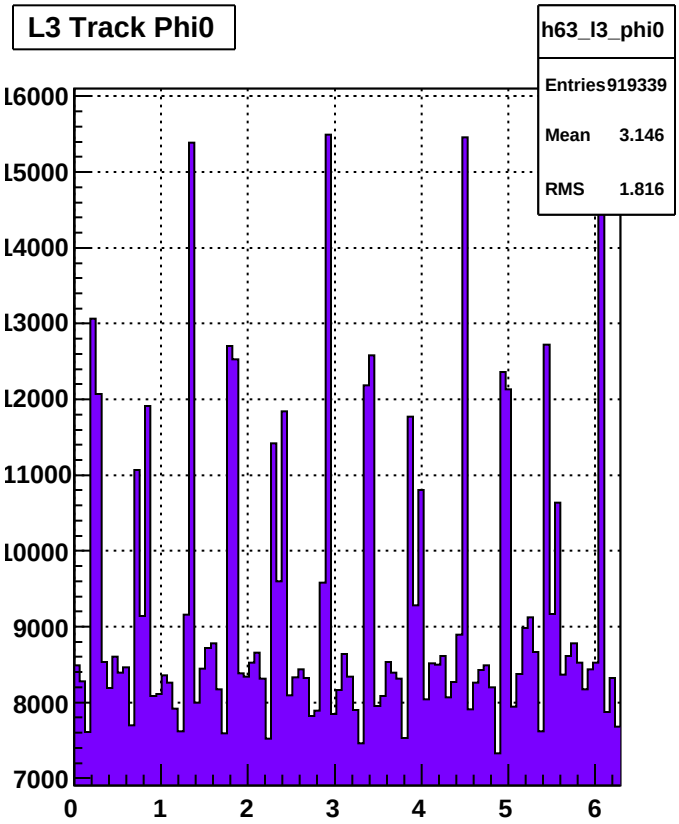
L3 Vertex Y vs X

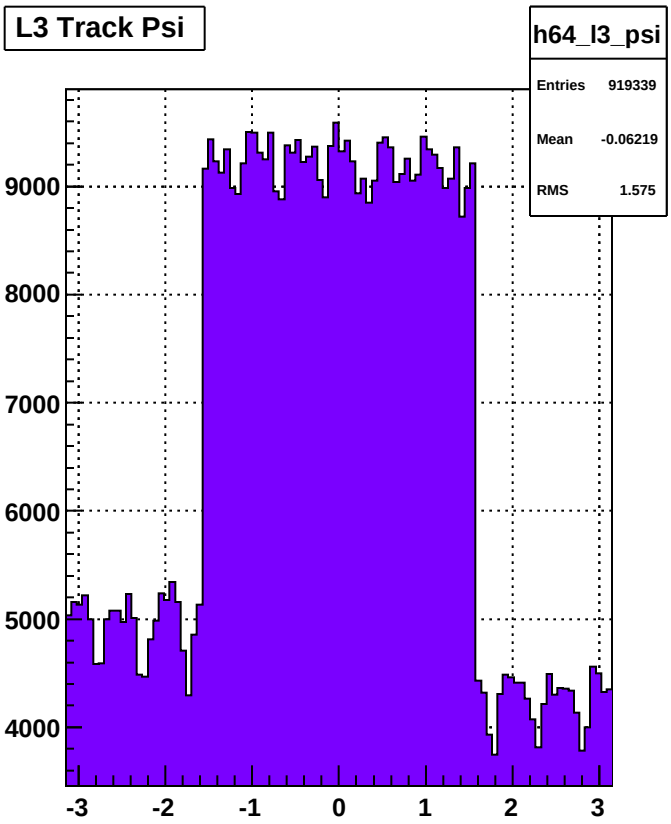


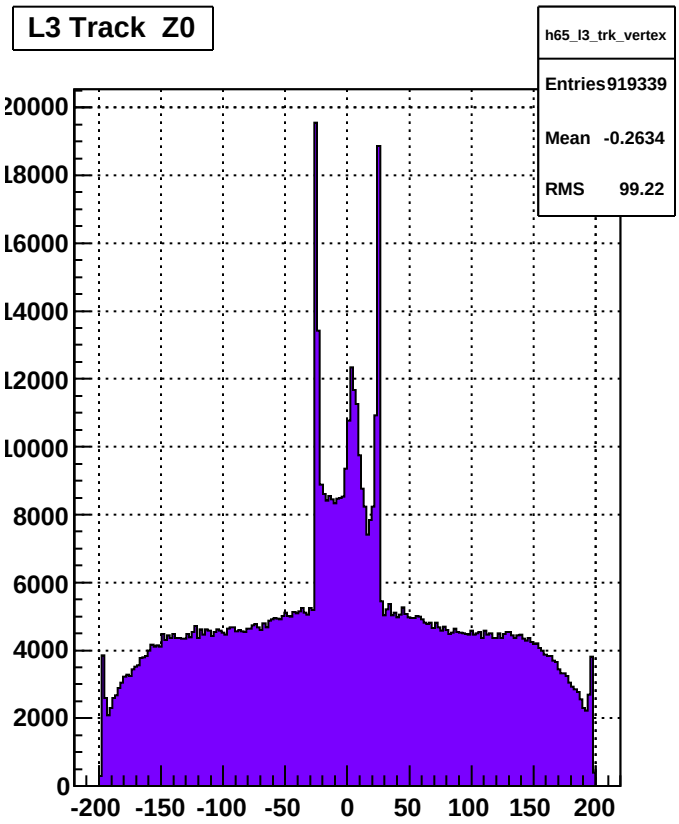
L3 Vertex-Z vs ZDC Timing difference

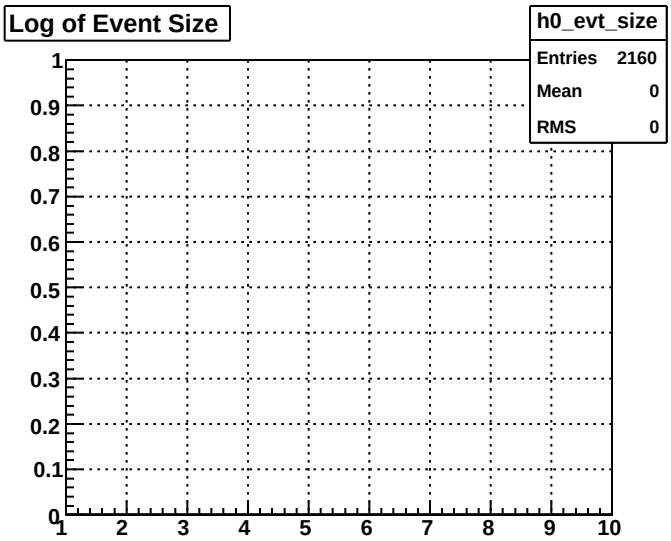


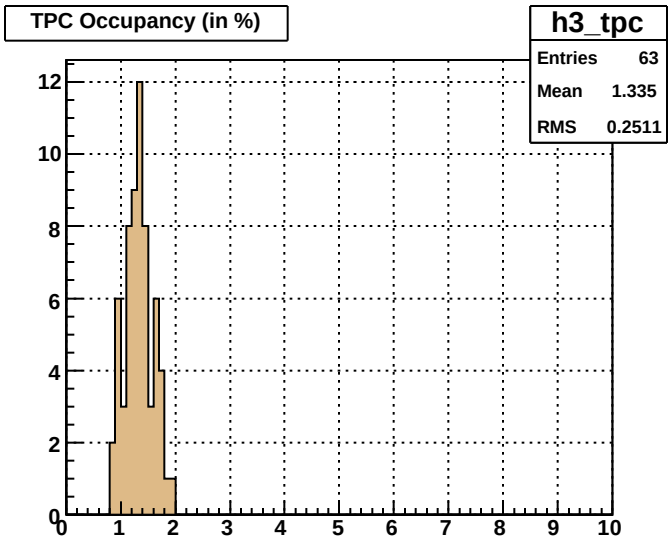

L3 Track Pt
h62_l3_pt
Entries 919339
Mean 0.07511
RMS 0.1108
×10^3
250
200
150
100
50
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

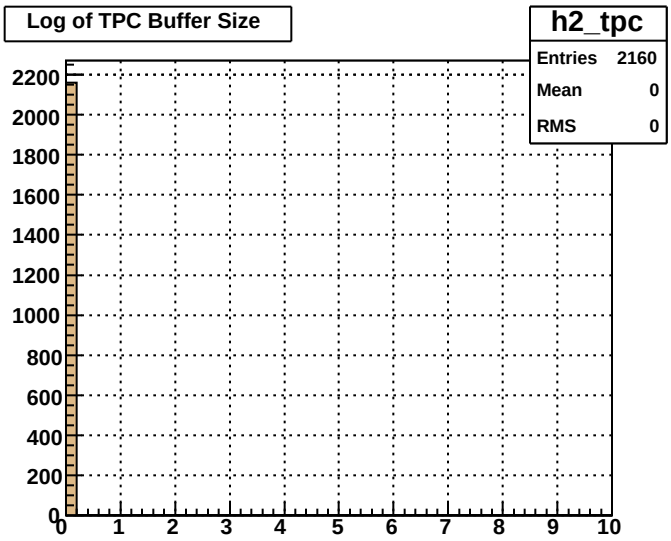

L3 Track Phi0
h63_l3_phi0
Entries 919339
Mean 3.146
RMS 1.816
16000
15000
14000
13000
12000
11000
10000
9000
8000
7000
0 1 2 3 4 5 6

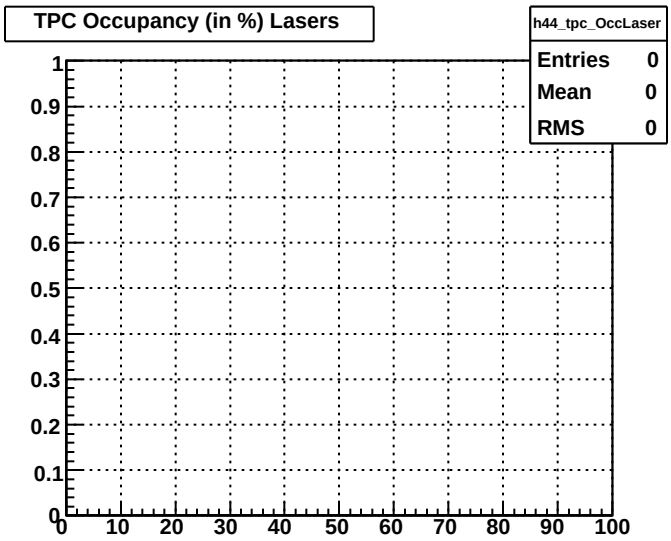

L3 Track Psi
h64_l3_psi
Entries 919339
Mean -0.06219
RMS 1.575
9000
8000
7000
6000
5000
4000
-3 -2 -1 0 1 2 3

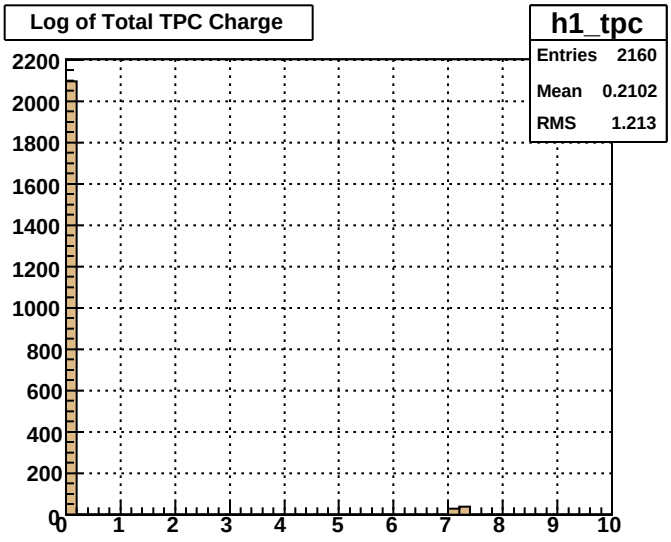

L3 Track Z0
h65_l3_trk_vertex
Entries 919339
Mean -0.2634
RMS 99.22
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-200 -150 -100 -50 0 50 100 150 200

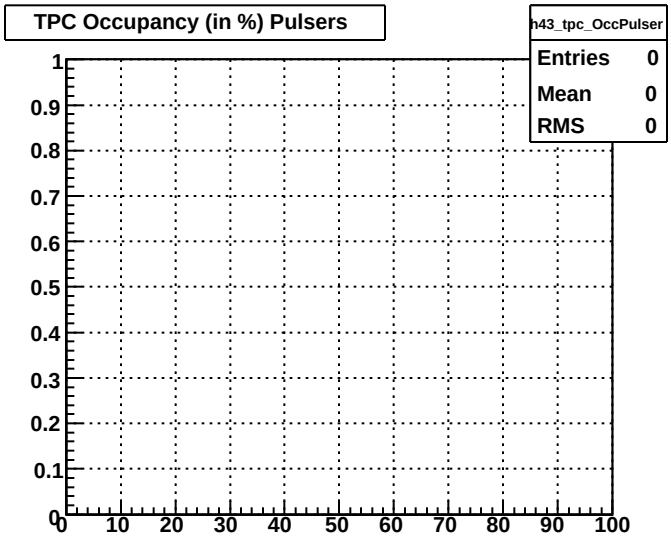

Log of Event Size
h0_evt_size
Entries 2160
Mean 0
RMS 0


TPC Occupancy (in %)
h3_tpc
Entries 63
Mean 1.335
RMS 0.2511

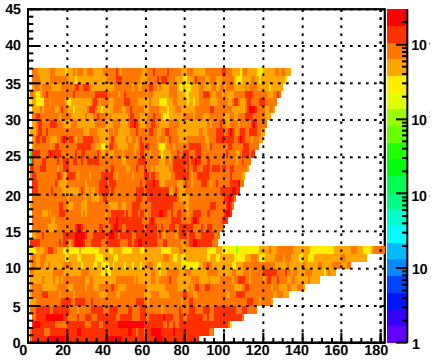

Log of TPC Buffer Size
h2_tpc
Entries 2160
Mean 0
RMS 0


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

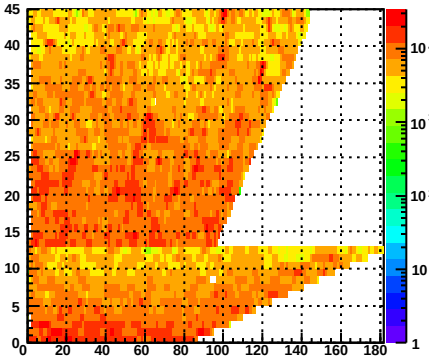

Log of Total TPC Charge
h1_tpc
Entries 2160
Mean 0.2102
RMS 1.213


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

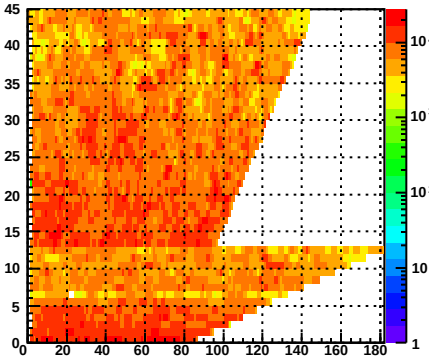
Sec. 1 charge per pad



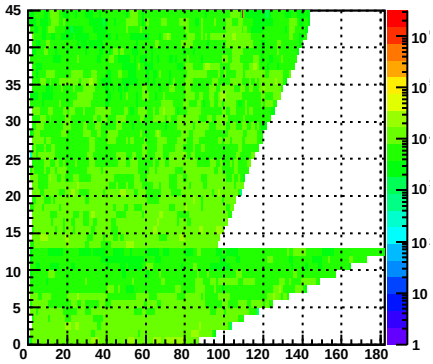
Sec. 2 charge per pad



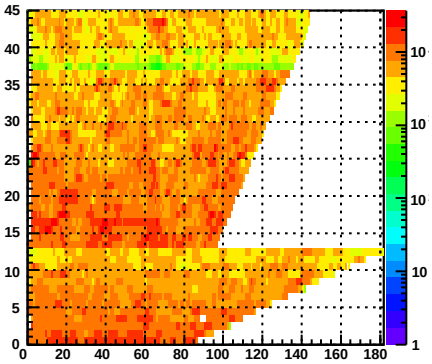
Sec. 3 charge per pad



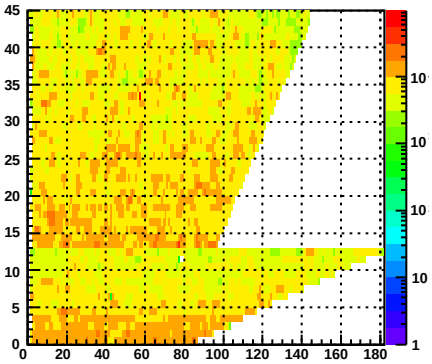
Sec. 4 charge per pad



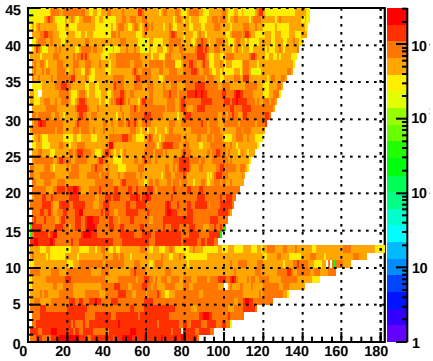
Sec. 5 charge per pad



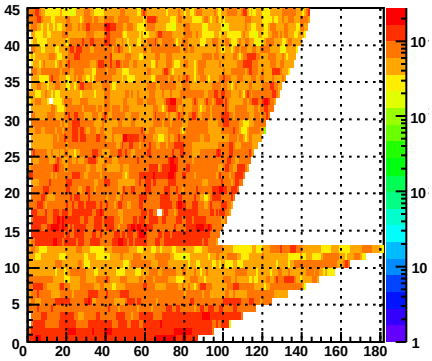
Sec. 6 charge per pad



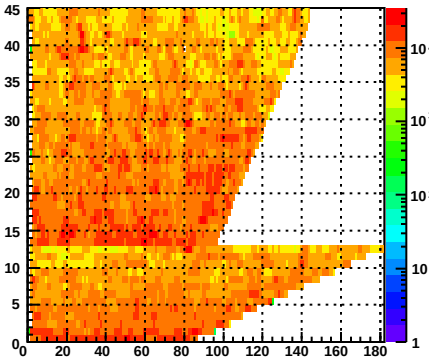
Sec. 7 charge per pad



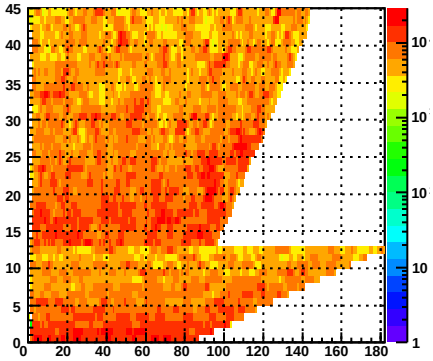
Sec. 8 charge per pad



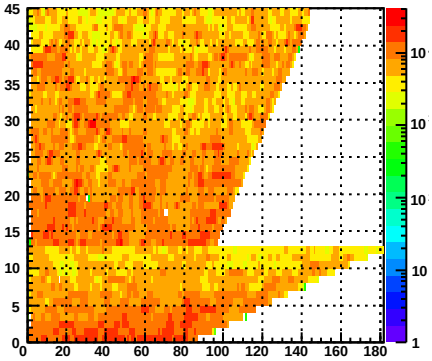
Sec. 9 charge per pad



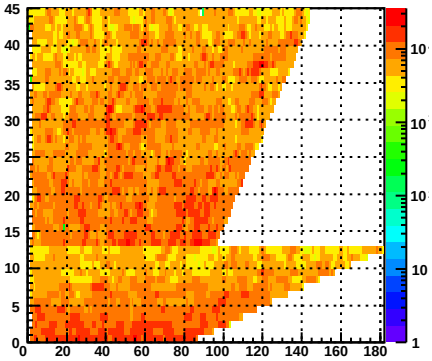
Sec. 10 charge per pad



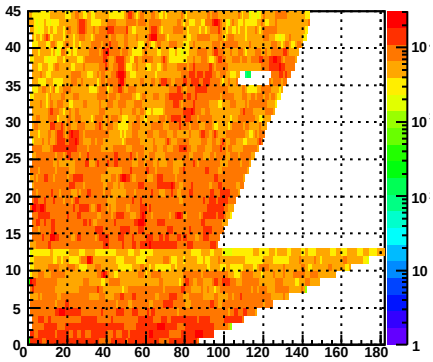
Sec. 11 charge per pad



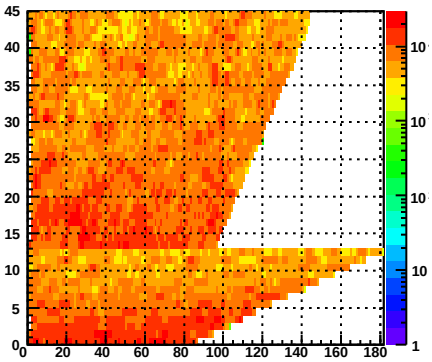
Sec. 12 charge per pad



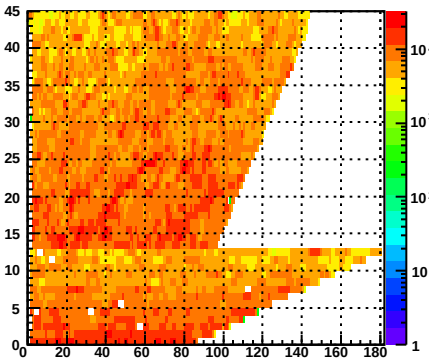
Sec. 13 charge per pad



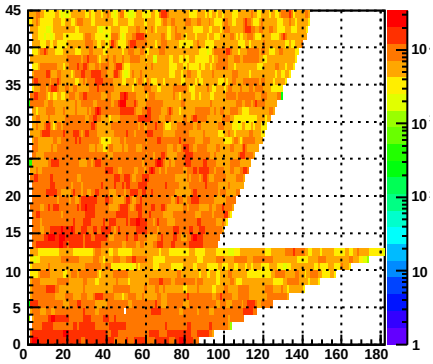
Sec. 14 charge per pad



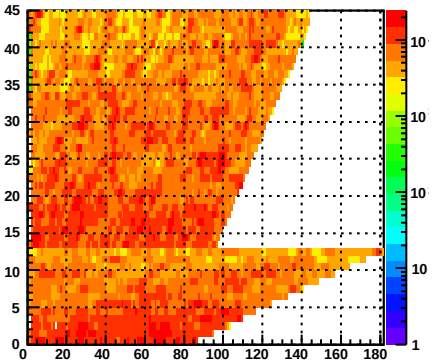
Sec. 15 charge per pad



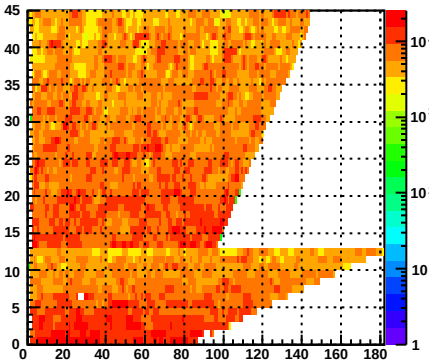
Sec. 16 charge per pad



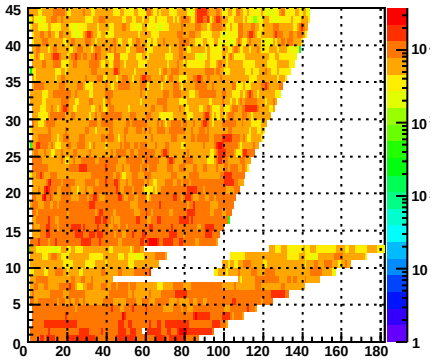
Sec. 17 charge per pad



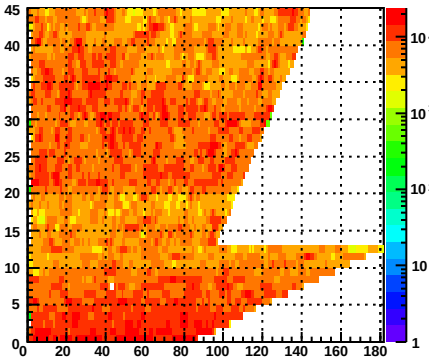
Sec. 18 charge per pad



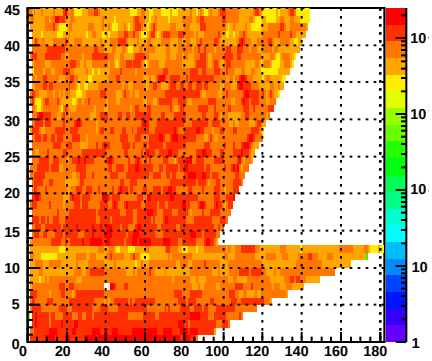
Sec. 19 charge per pad



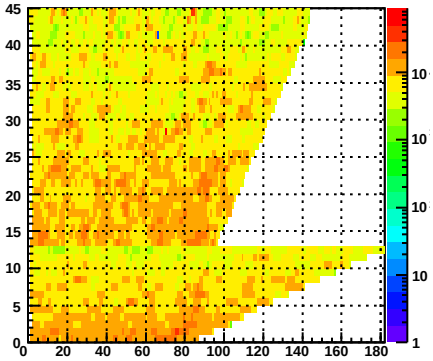
Sec. 20 charge per pad



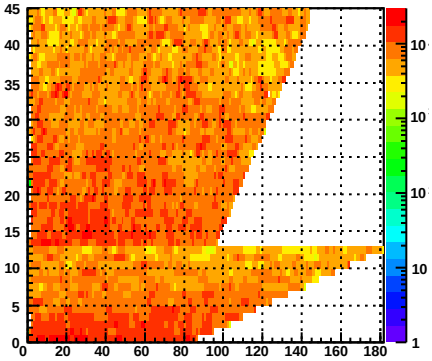
Sec. 21 charge per pad



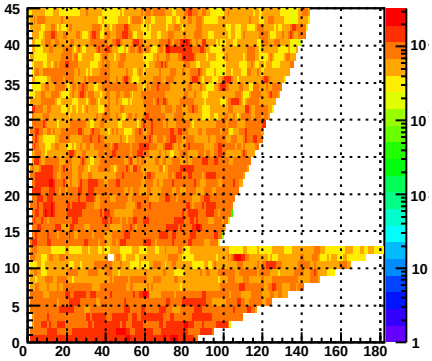
Sec. 22 charge per pad

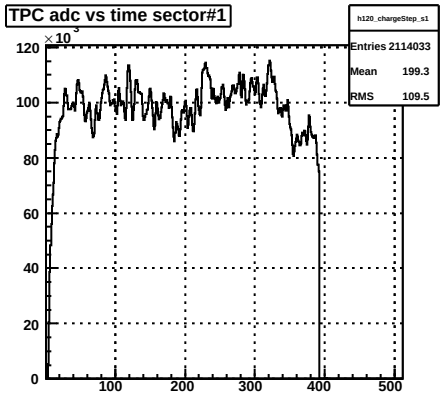


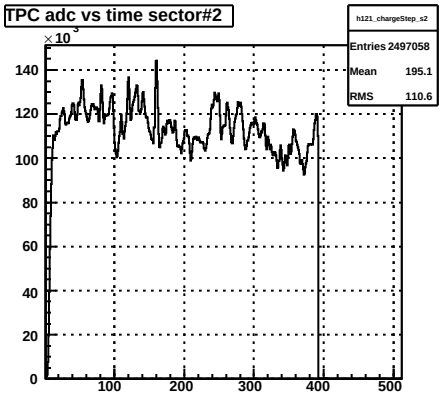
Sec. 23 charge per pad

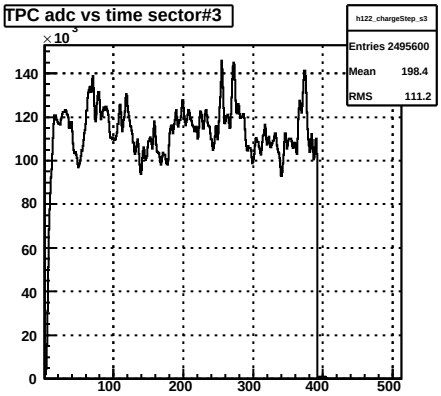


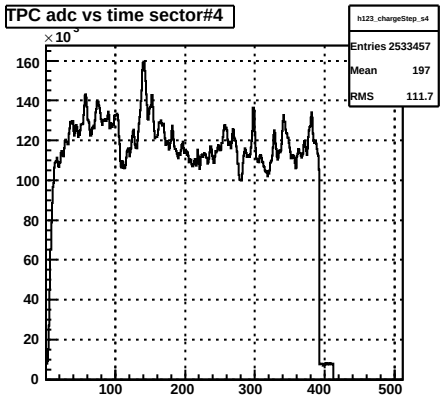
Sec. 24 charge per pad

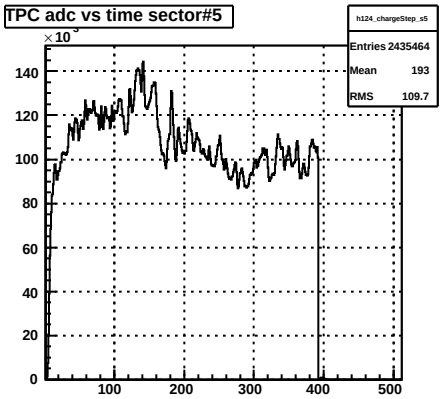


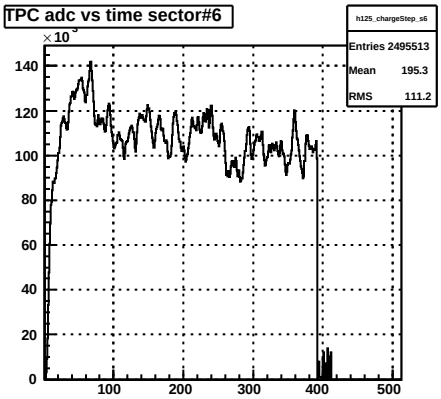

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 2114033
Mean 199.3
RMS 109.5

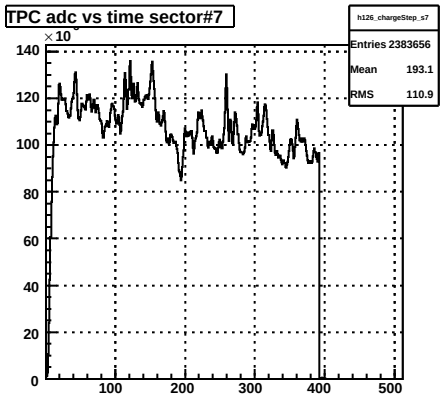

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 2497058
Mean 195.1
RMS 110.6

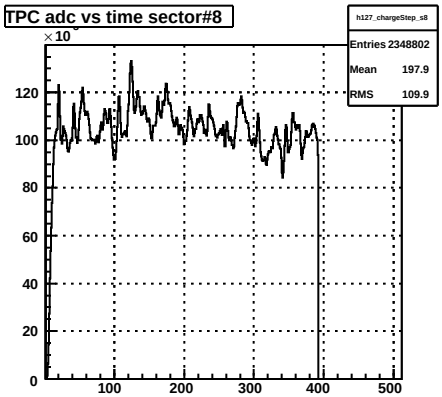

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 2495600
Mean 198.4
RMS 111.2

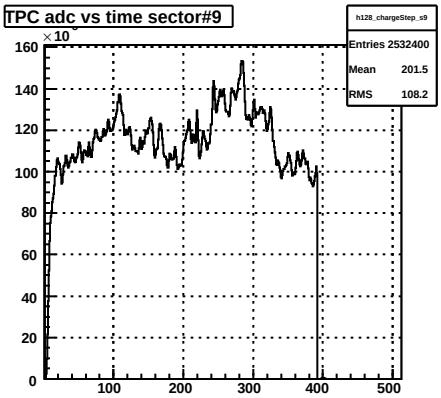

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 2533457
Mean 197
RMS 111.7

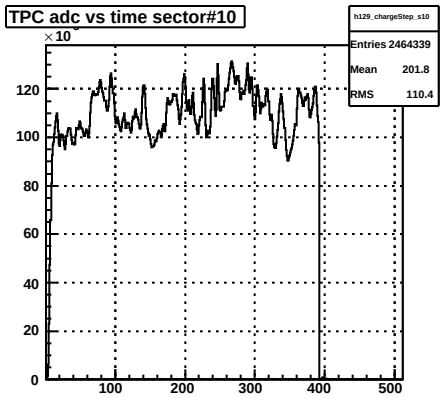

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 2435464
Mean 193
RMS 109.7

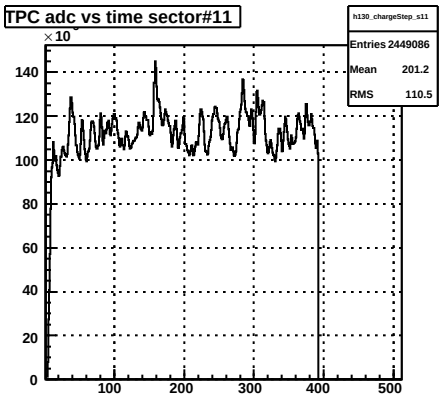

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 2495513
Mean 195.3
RMS 111.2

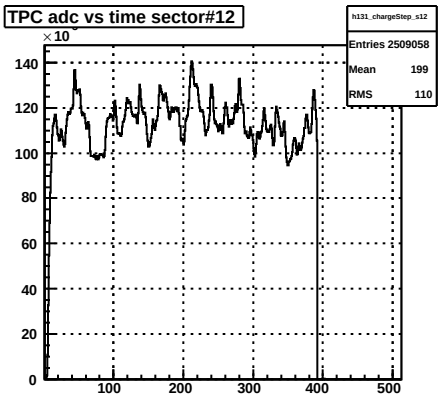

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 2383656
Mean 193.1
RMS 110.9

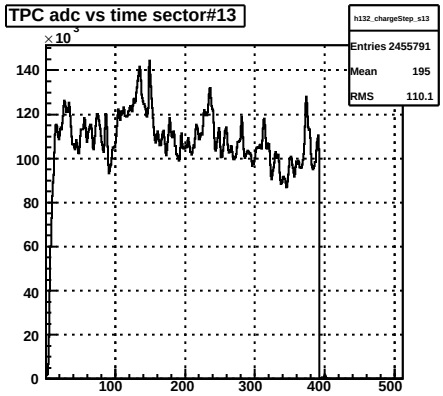

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 2348802
Mean 197.9
RMS 109.9

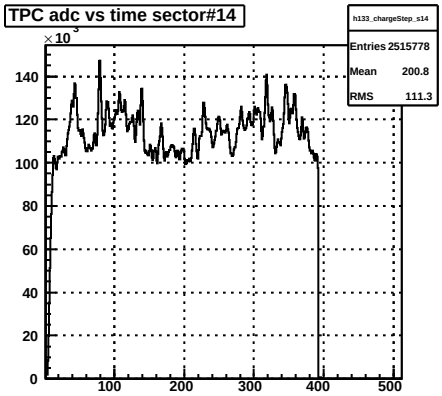

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 2532400
Mean 201.5
RMS 108.2

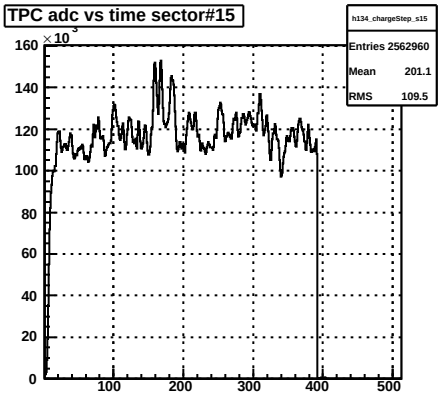

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 2464339
Mean 201.8
RMS 110.4

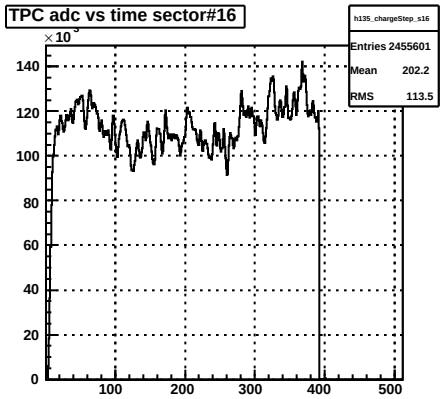

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 2449086
Mean 201.2
RMS 110.5

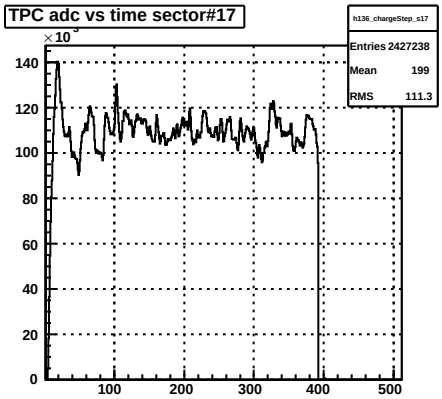

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 2509058
Mean 199
RMS 110

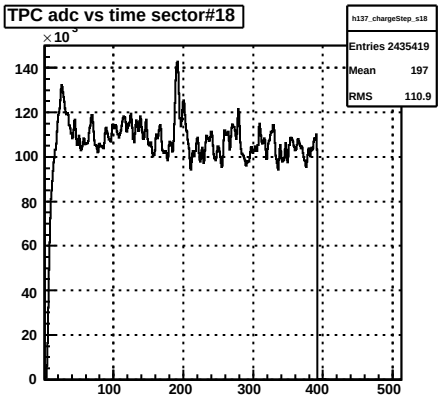

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 2455791
Mean 195
RMS 110.1

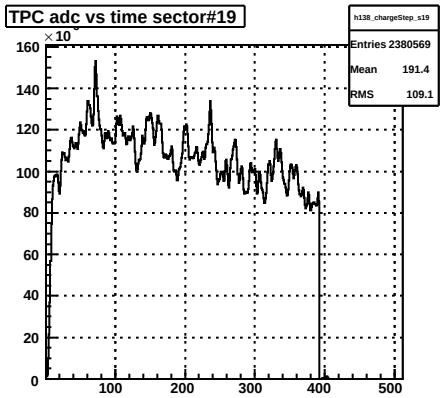

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 2515778
Mean 200.8
RMS 111.3

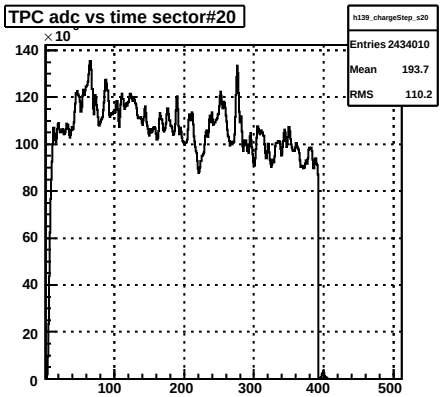

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 2562960
Mean 201.1
RMS 109.5

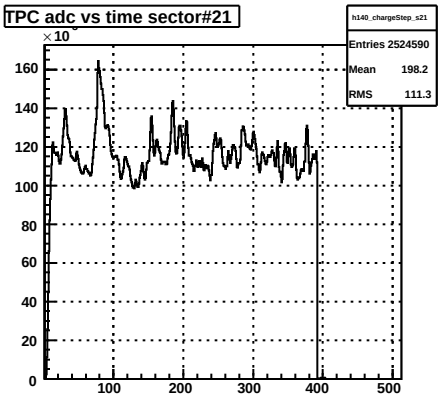

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 2455601
Mean 202.2
RMS 113.5

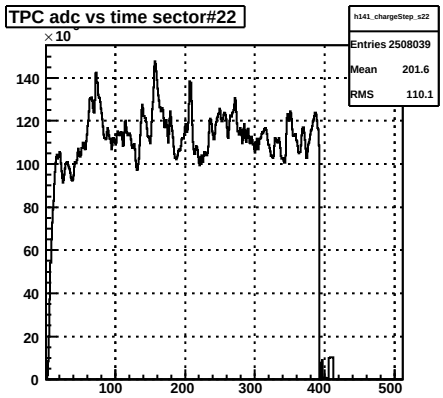

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 2427238
Mean 199
RMS 111.3

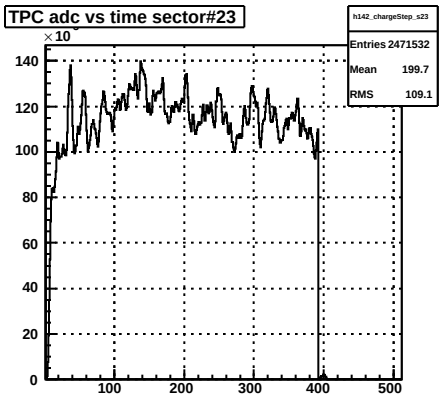

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 2435419
Mean 197
RMS 110.9

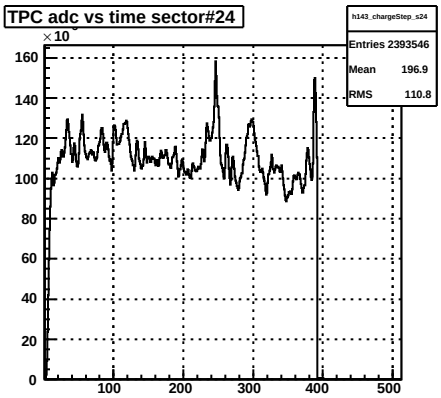

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 2380569
Mean 191.4
RMS 109.1

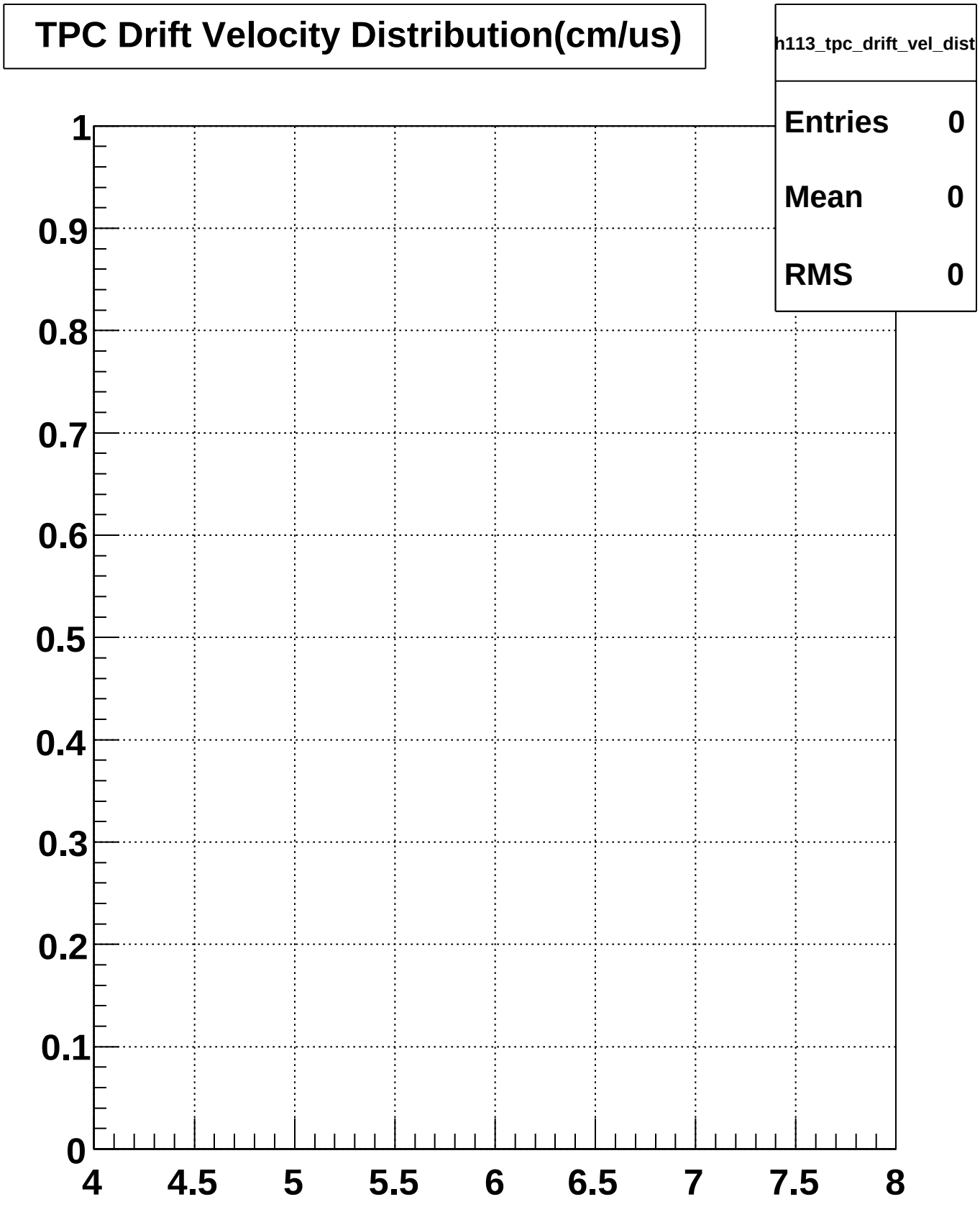

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 2434010
Mean 193.7
RMS 110.2

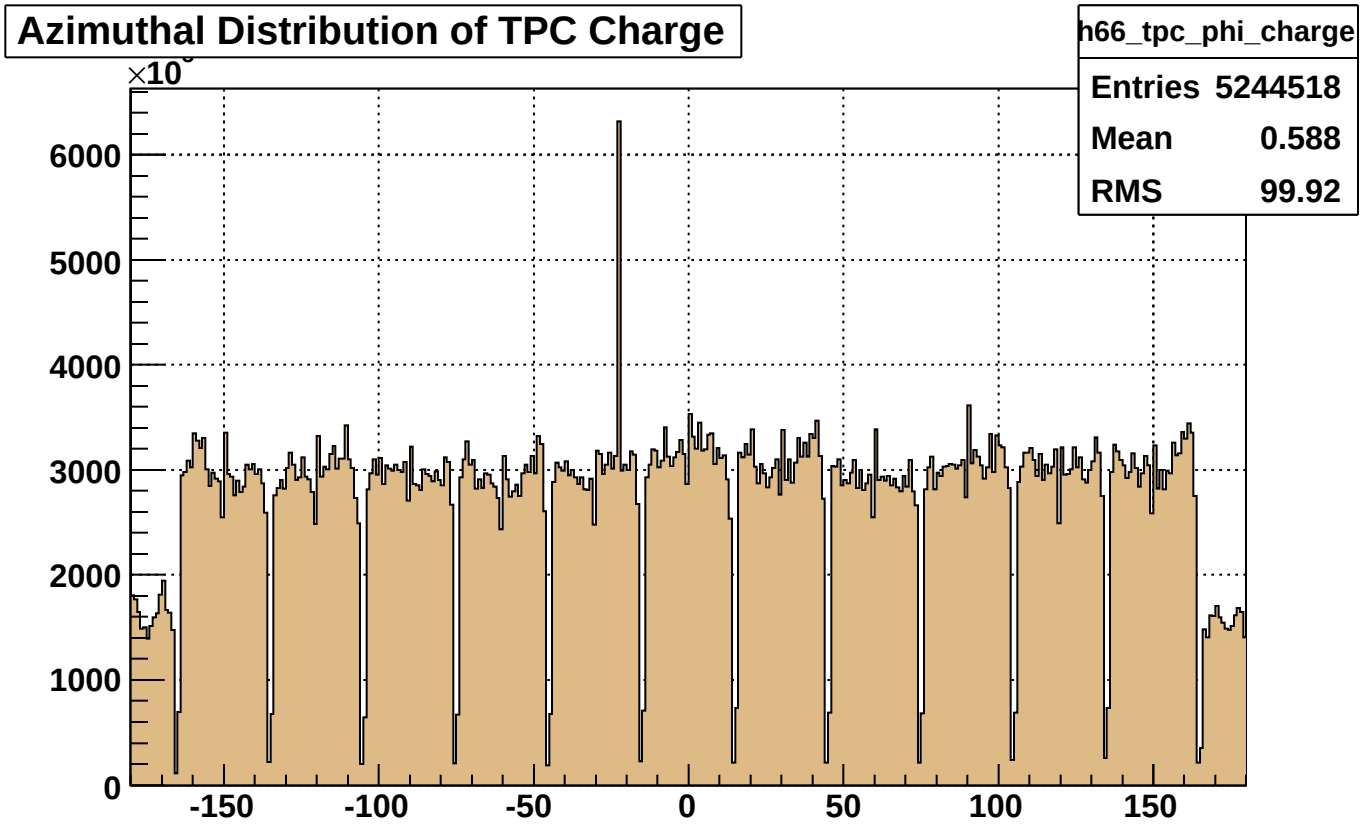

TPC adc vs time sector#21
h140_chargeStep_s21
Entries 2524590
Mean 198.2
RMS 111.3

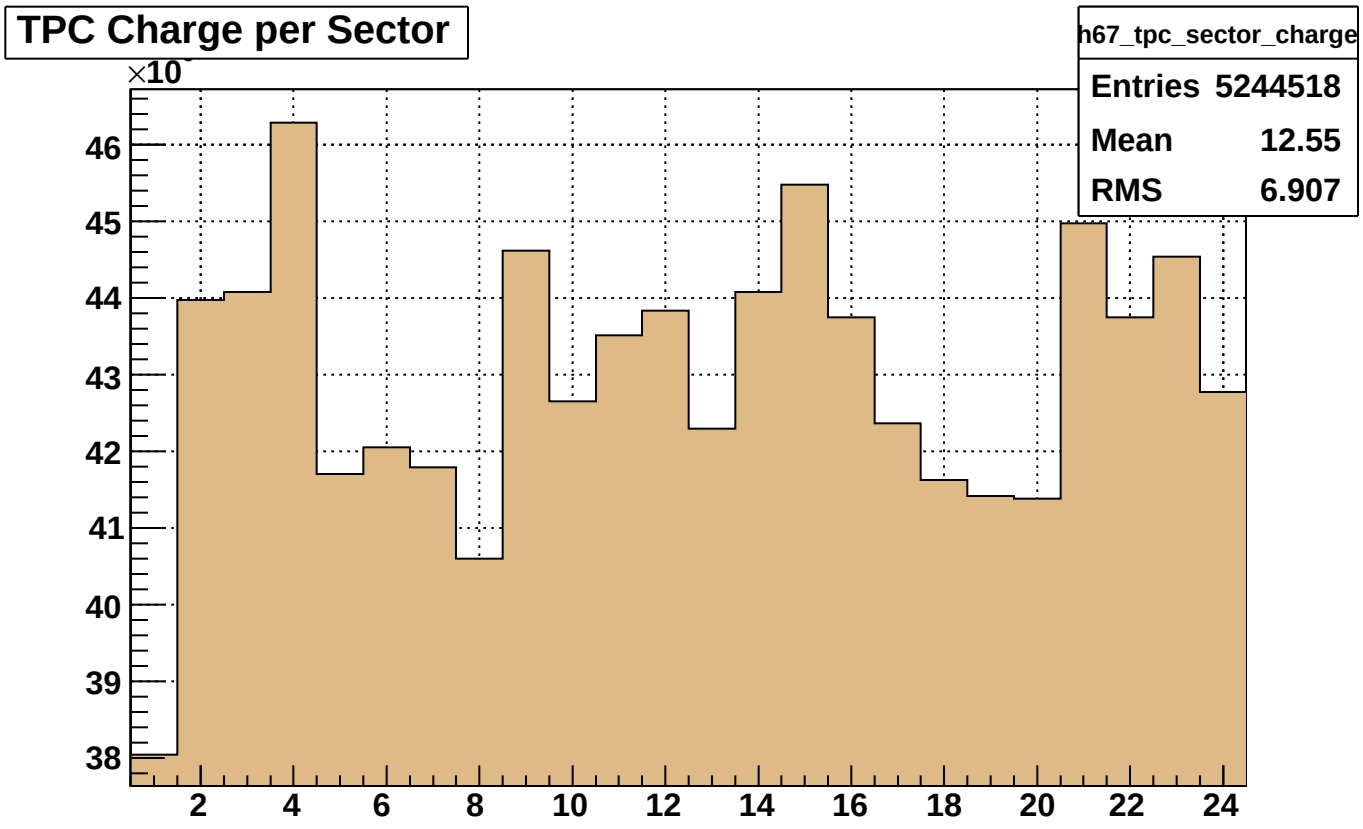

TPC adc vs time sector#22
h141_chargeStep_s22
Entries 2508039
Mean 201.6
RMS 110.1

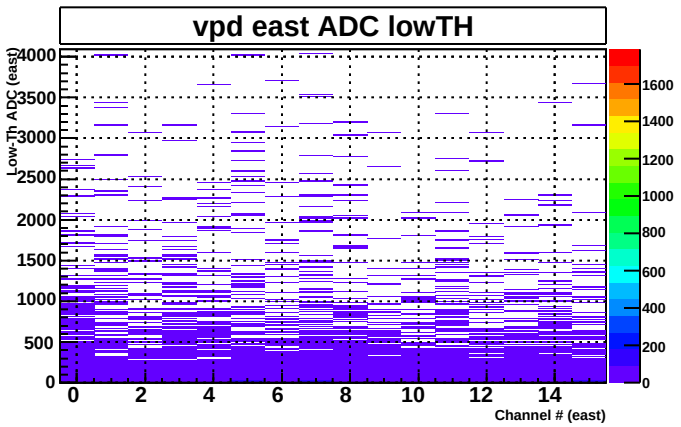

TPC adc vs time sector#23
h142_chargeStep_s23
Entries 2471532
Mean 199.7
RMS 109.1

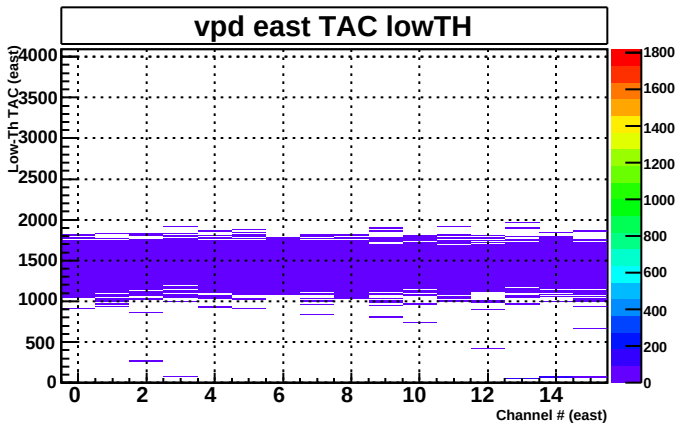

TPC adc vs time sector#24
h143_chargeStep_s24
Entries 2393546
Mean 196.9
RMS 110.8

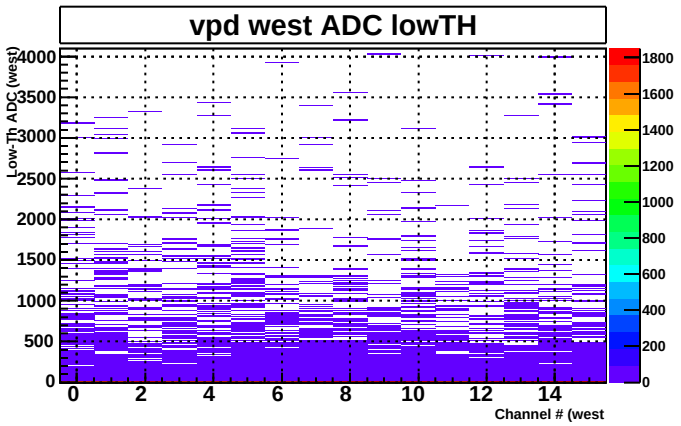

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4
4.5
5
5.5
6
6.5
7
7.5
8

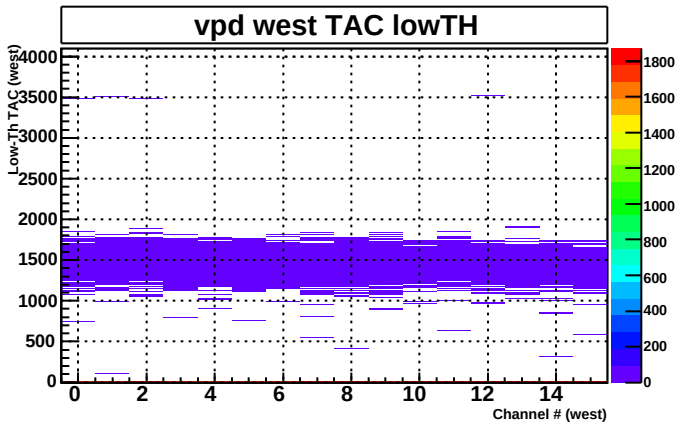

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 5244518
Mean 0.588
RMS 99.92
×10
6000
5000
4000
3000
2000
1000
0
-150
-100
-50
0
50
100
150

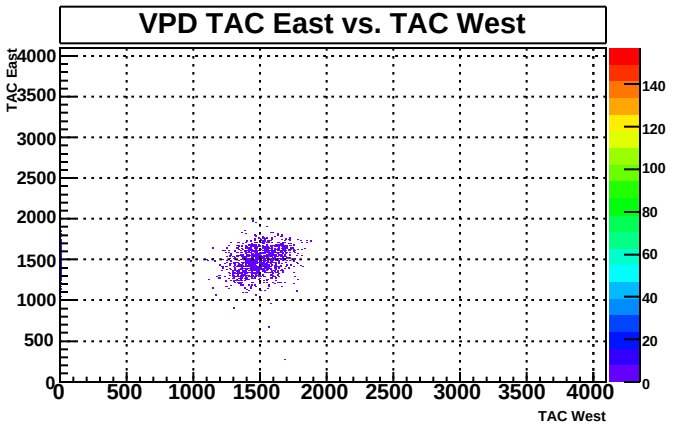

TPC Charge per Sector
h67_tpc_sector_charge
Entries 5244518
Mean 12.55
RMS 6.907
×10
46
45
44
43
42
41
40
39
38
2
4
6
8
10
12
14
16
18
20
22
24

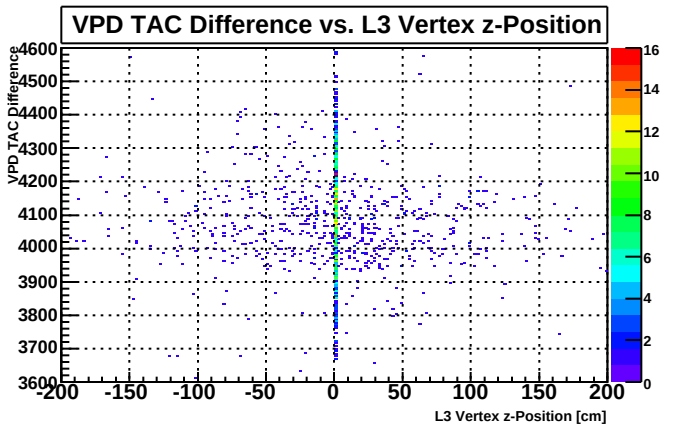

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

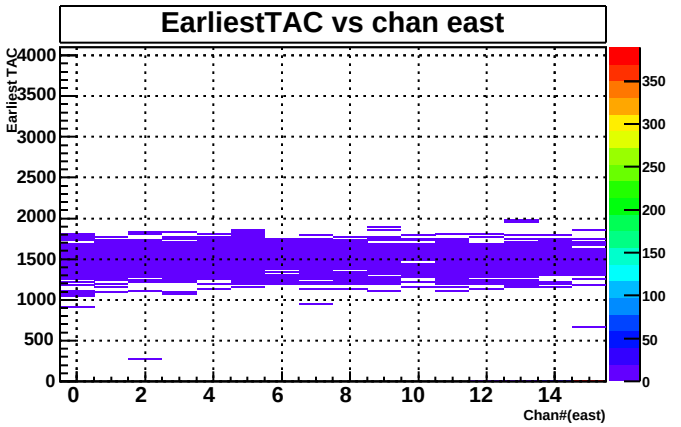

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

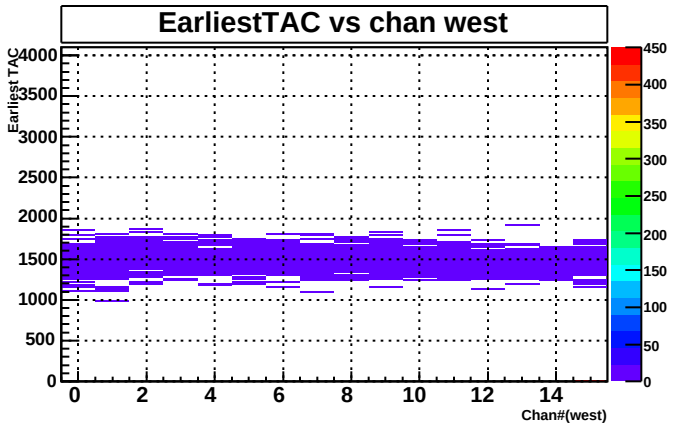

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

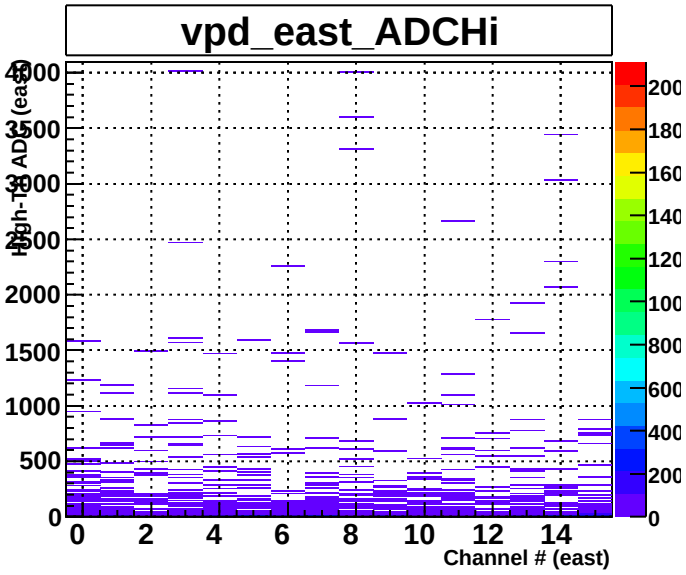

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

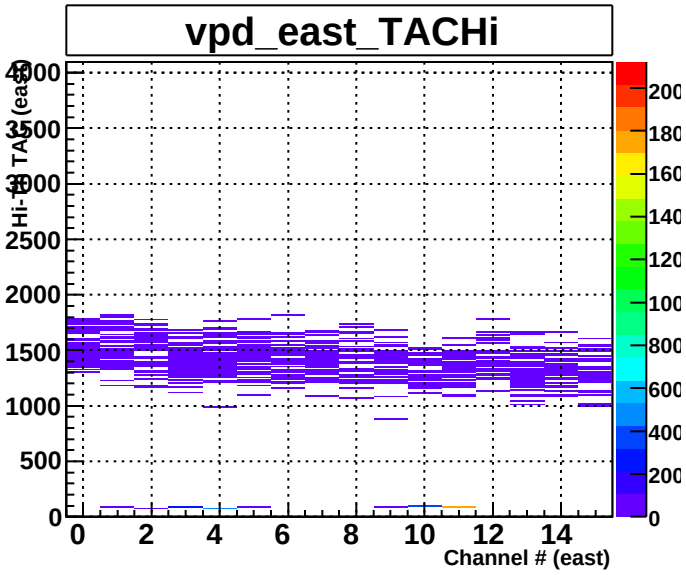

VPD TAC East vs. TAC West
TAC East
TAC West

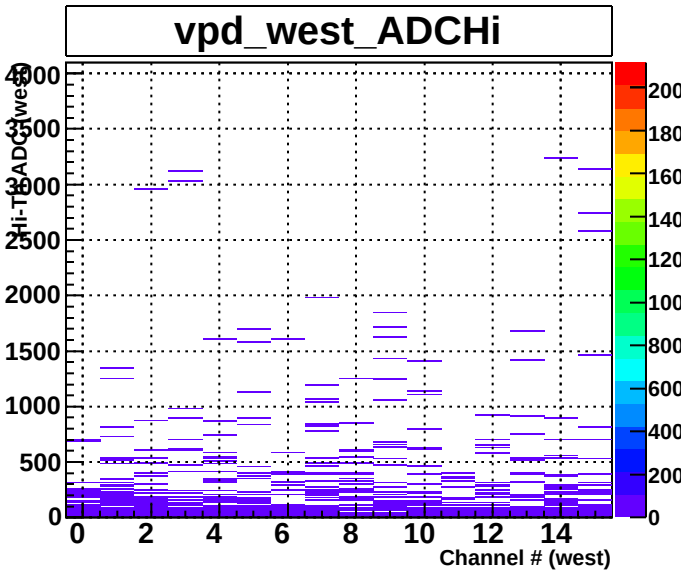

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

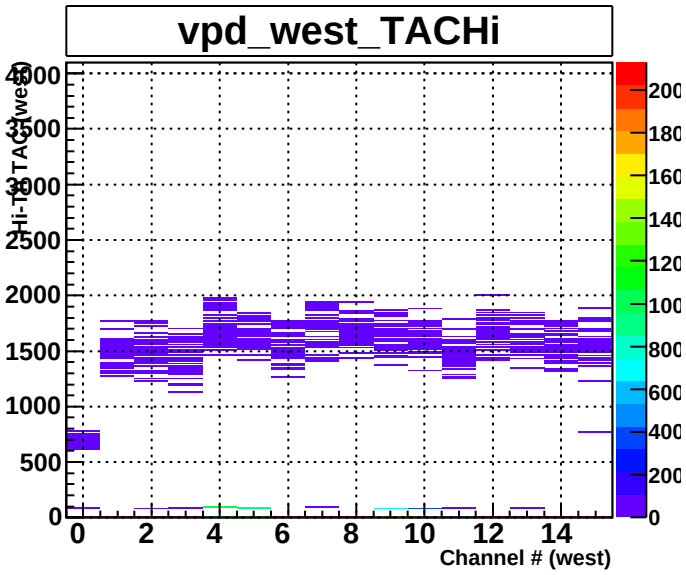

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

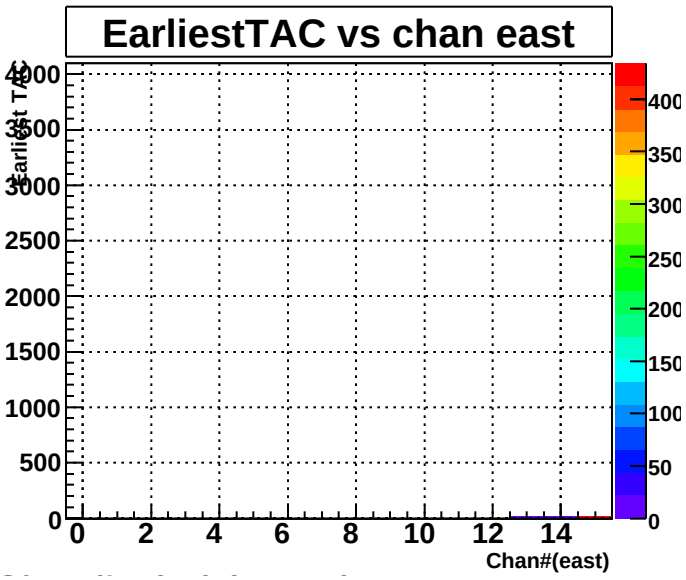

EarliestTAC vs chan west
Earliest TAC
Chan#(west)

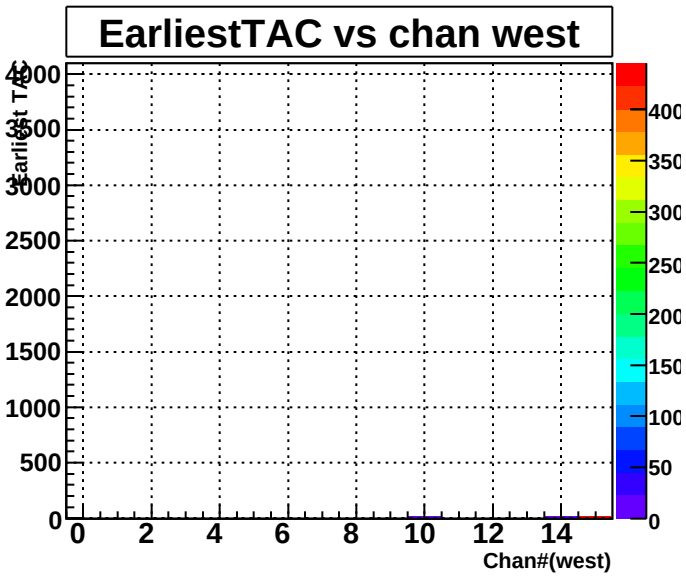

vpd_east_ADCHi
High-Hi ADC (east)
Channel # (east)

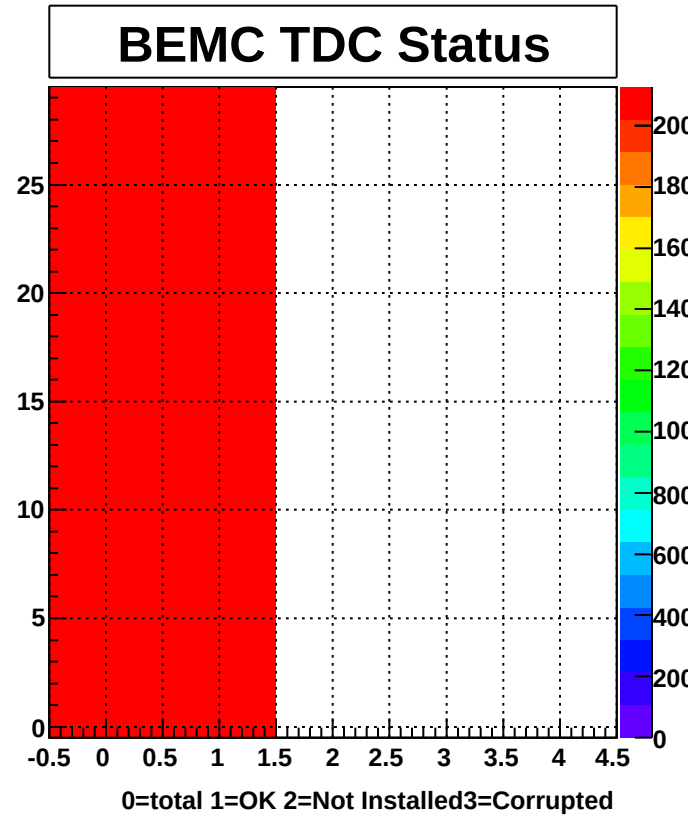

vpd_east_TACHi
Hi-Hi TAC (east)
Channel # (east)

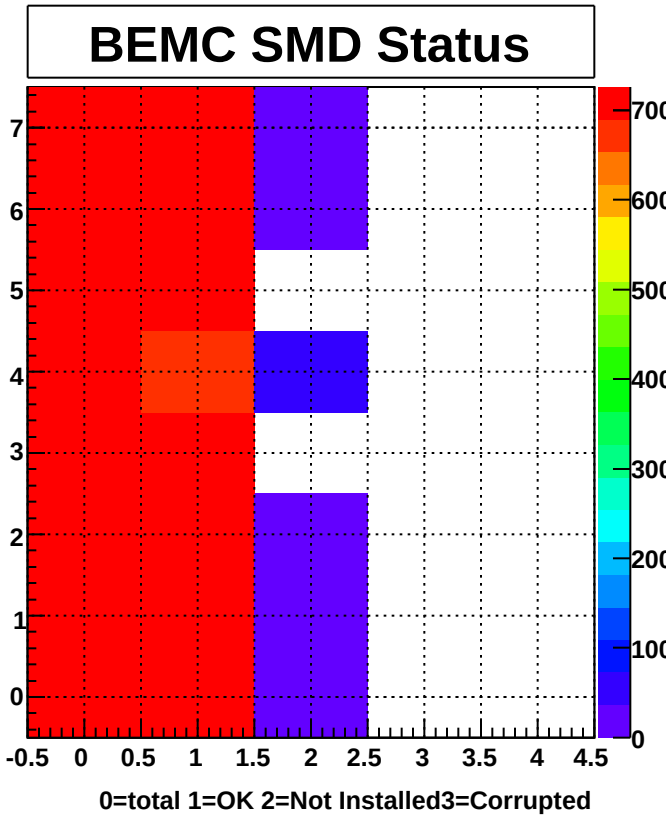

vpd_west_ADCHi
Hi-Hi ADC (west)
Channel # (west)

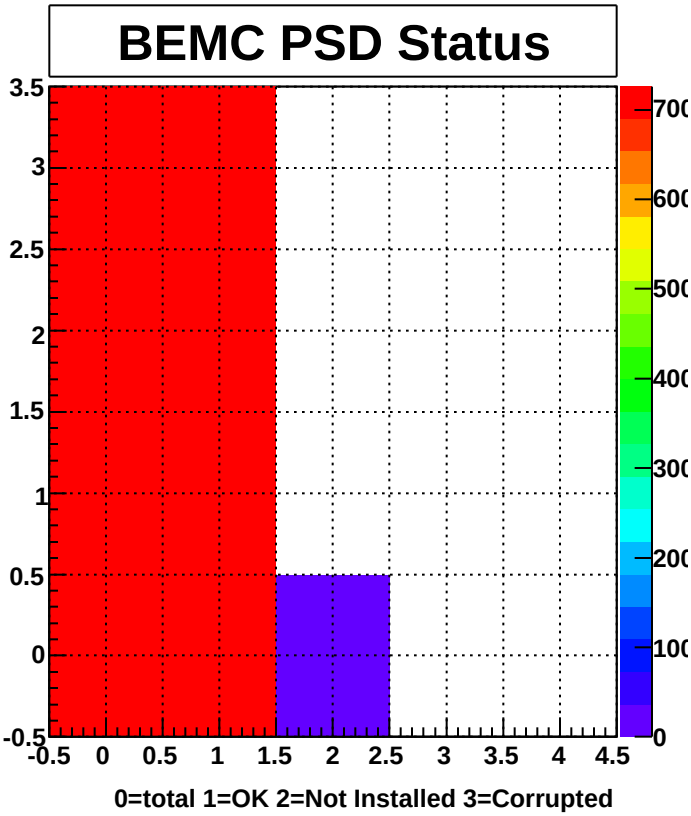

vpd_west_TACHi
Hi-Hi TAC (west)
Channel # (west)

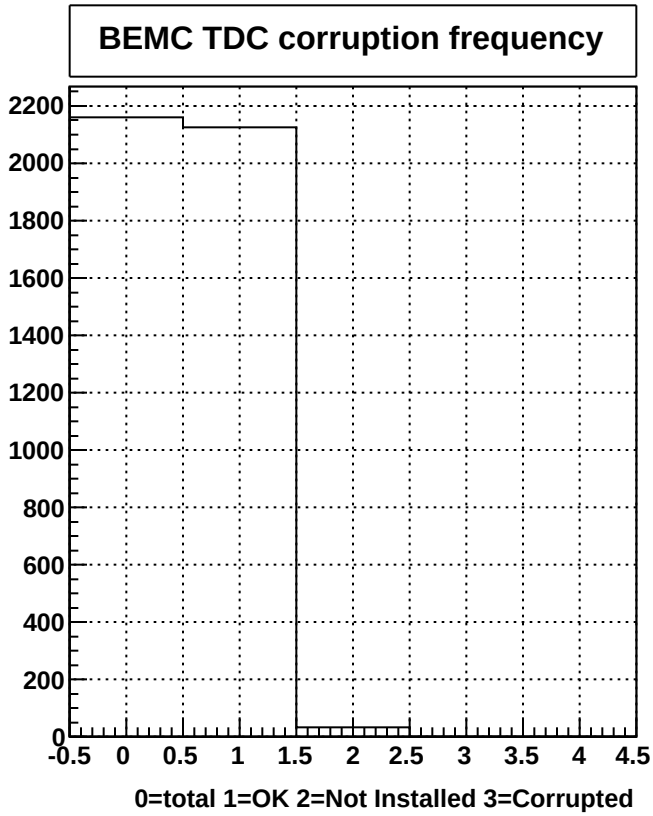

EarliestTAC vs chan east
Earliest TAC
Chan#(east)


EarliestTAC vs chan west
Earliest TAC
Chan#(west)

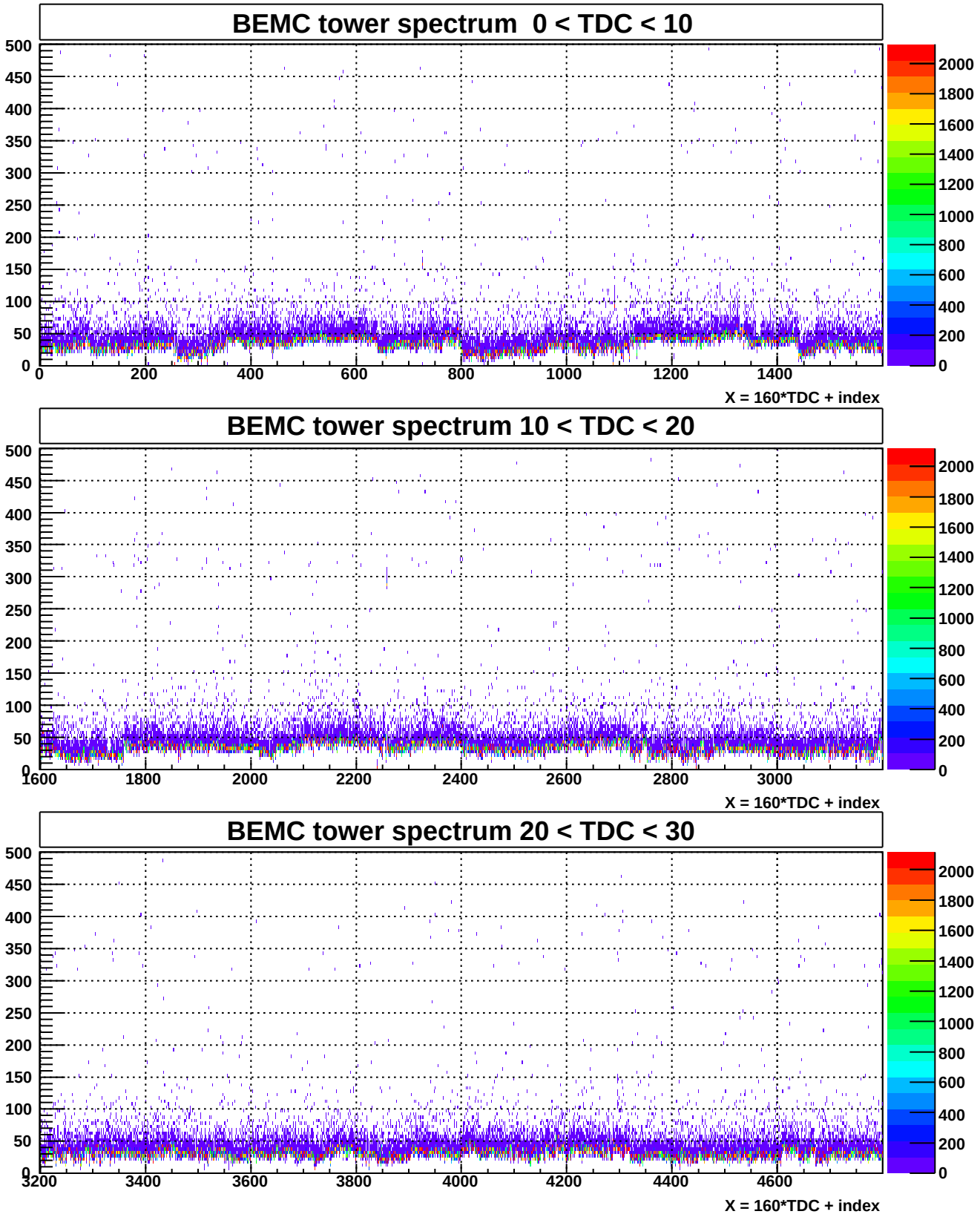








Sun Mar 20 20:04:42 2011



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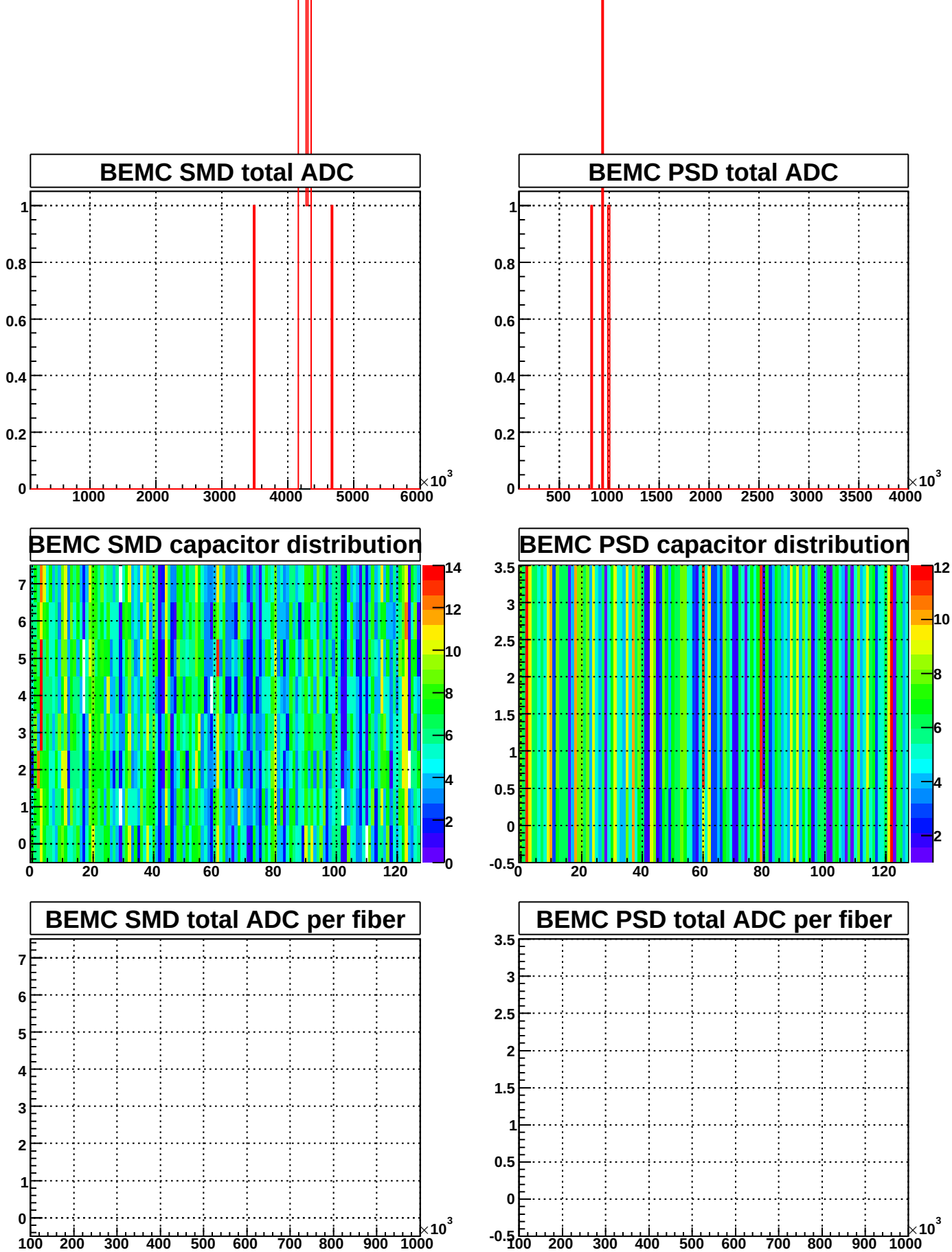

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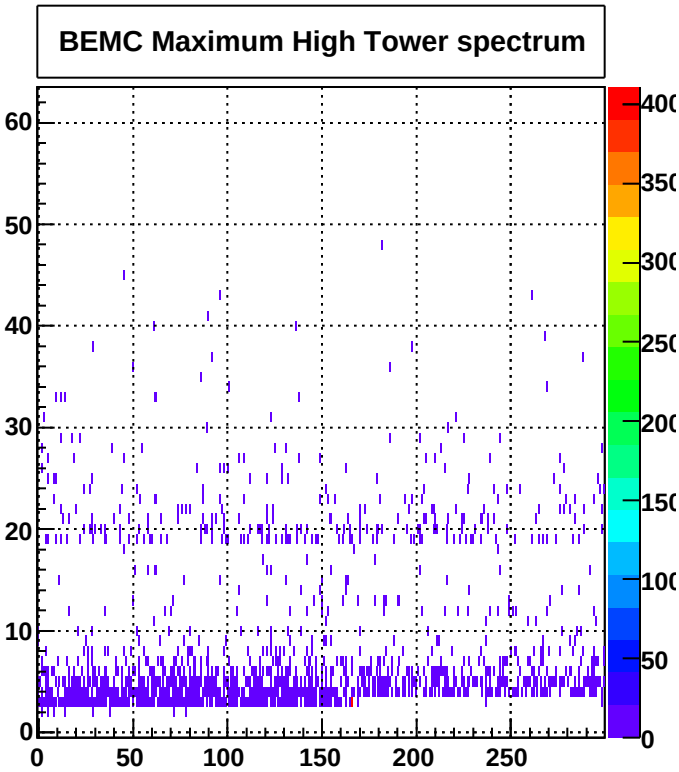
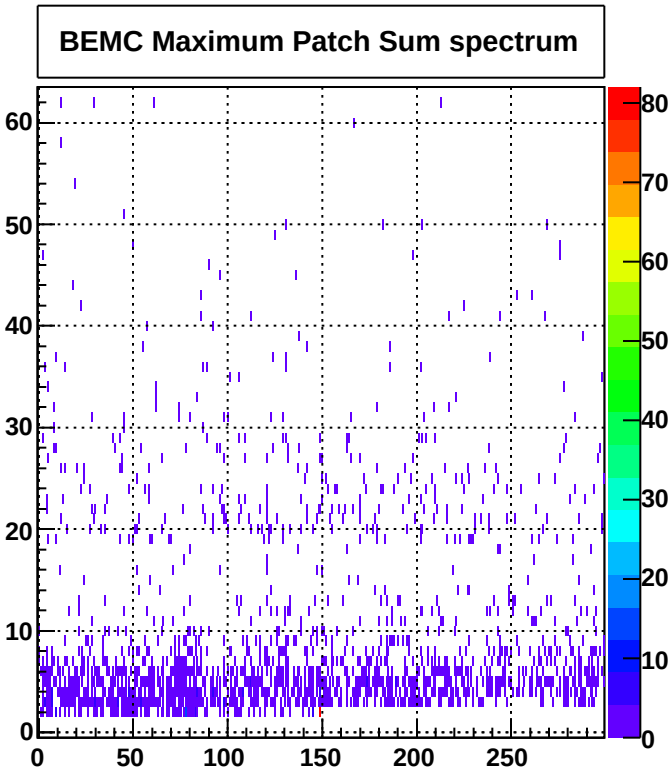
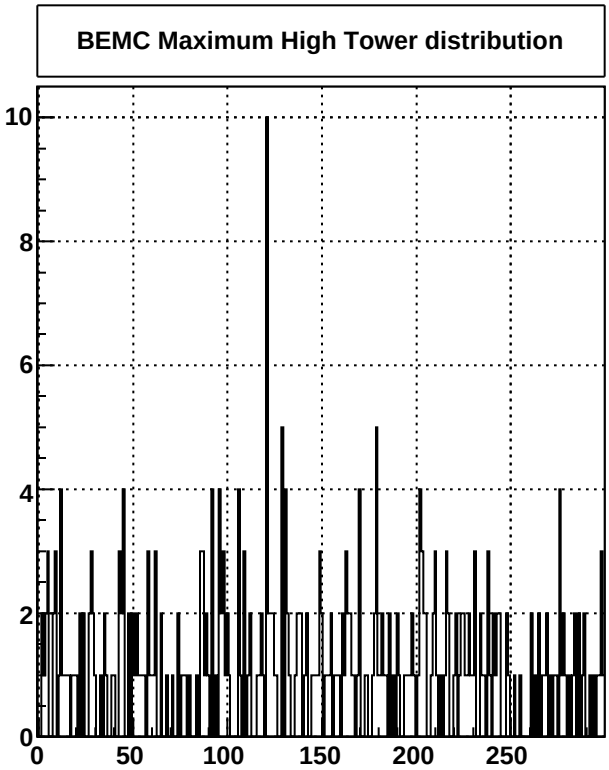
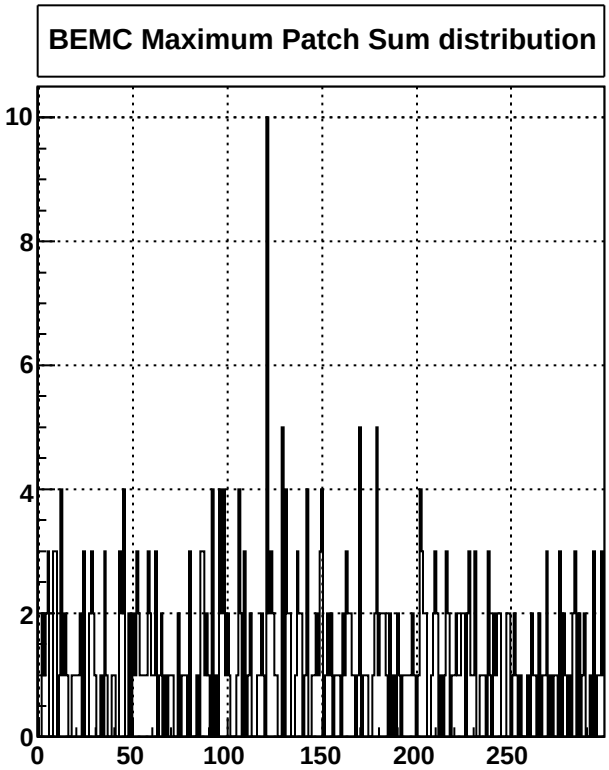
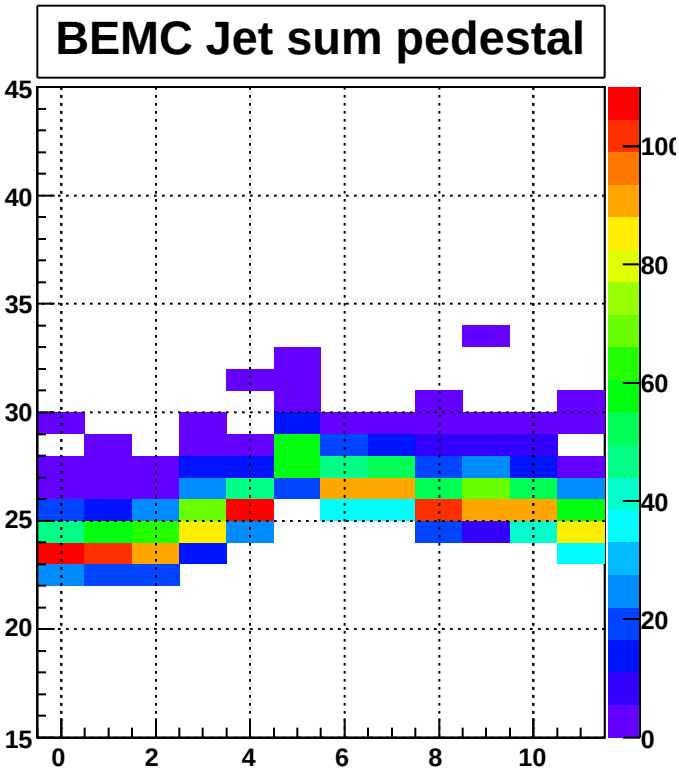


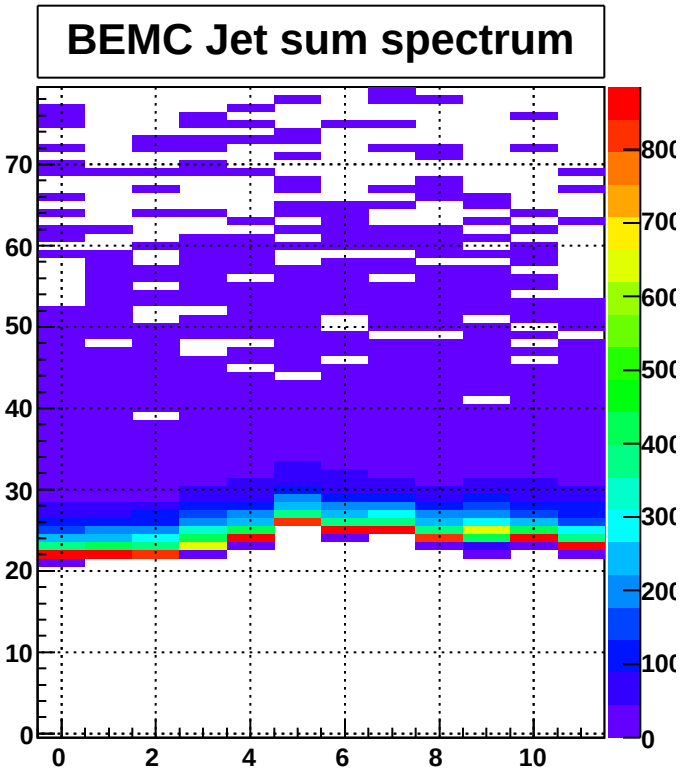


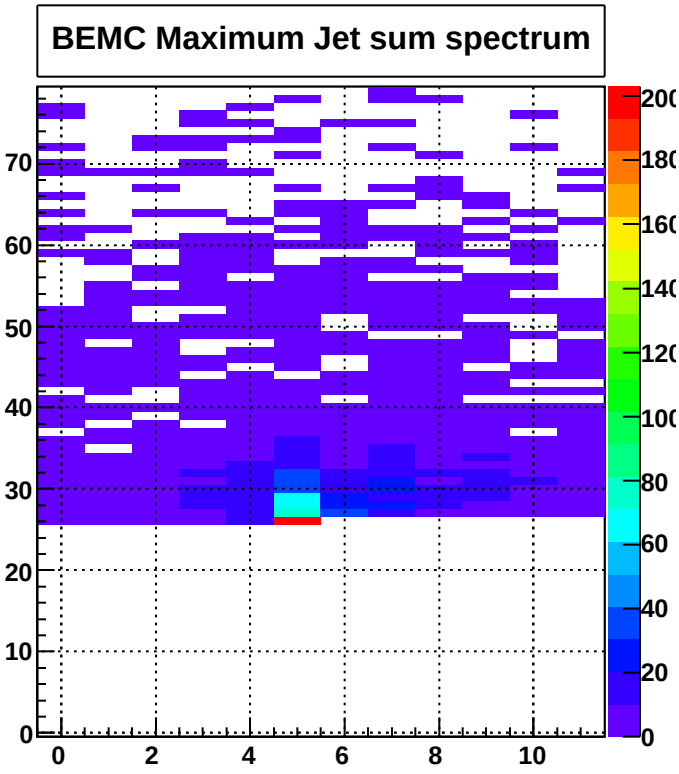


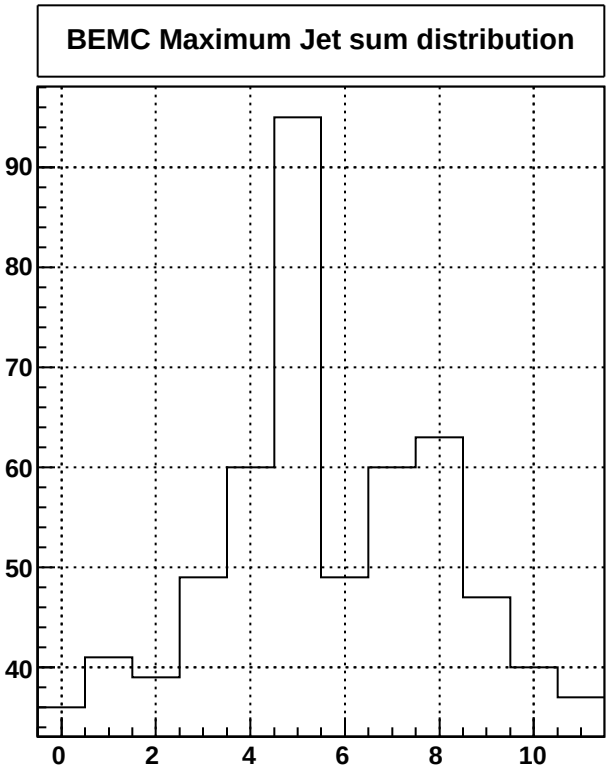


Sun Mar 20 20:04:43 2011









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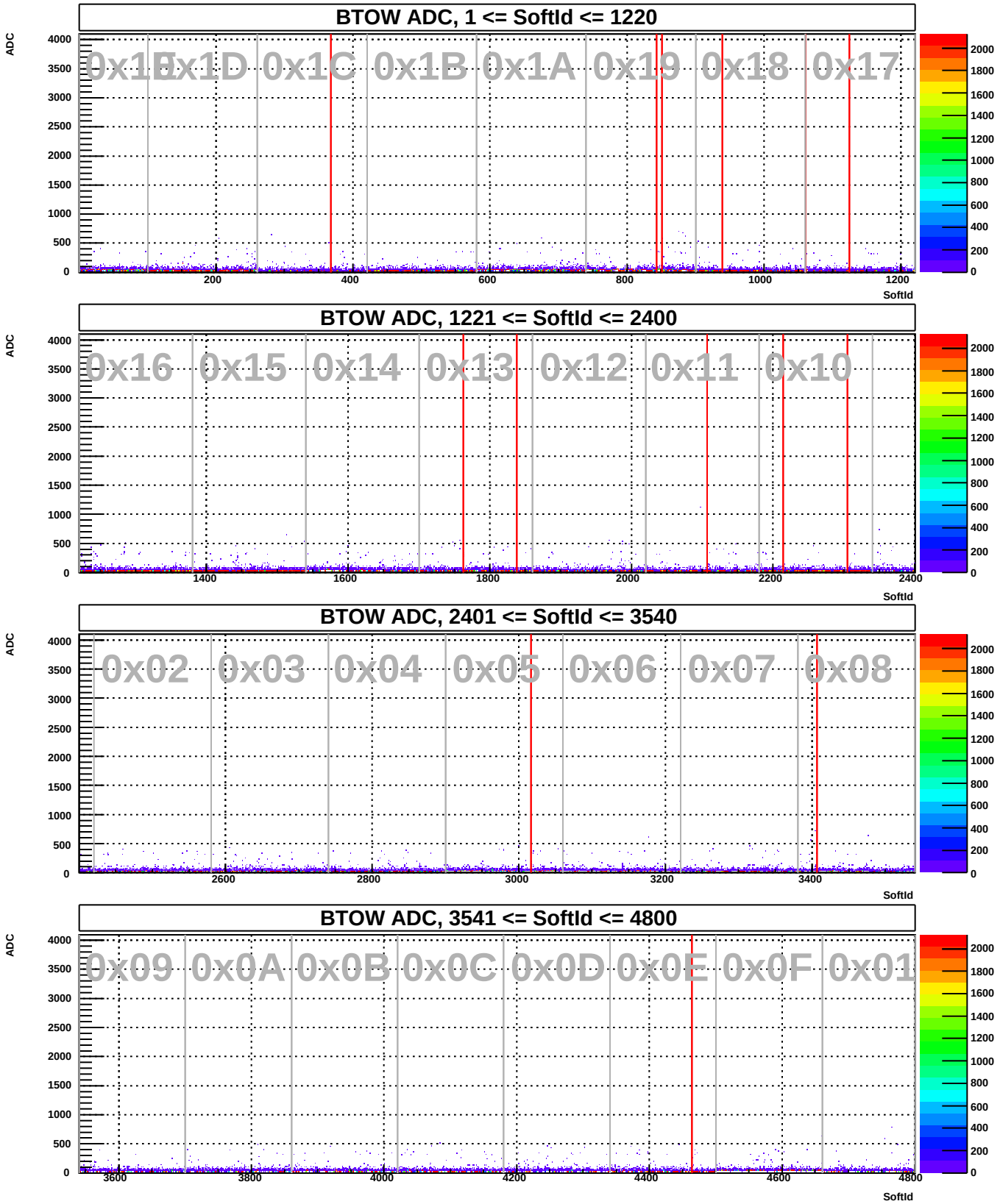

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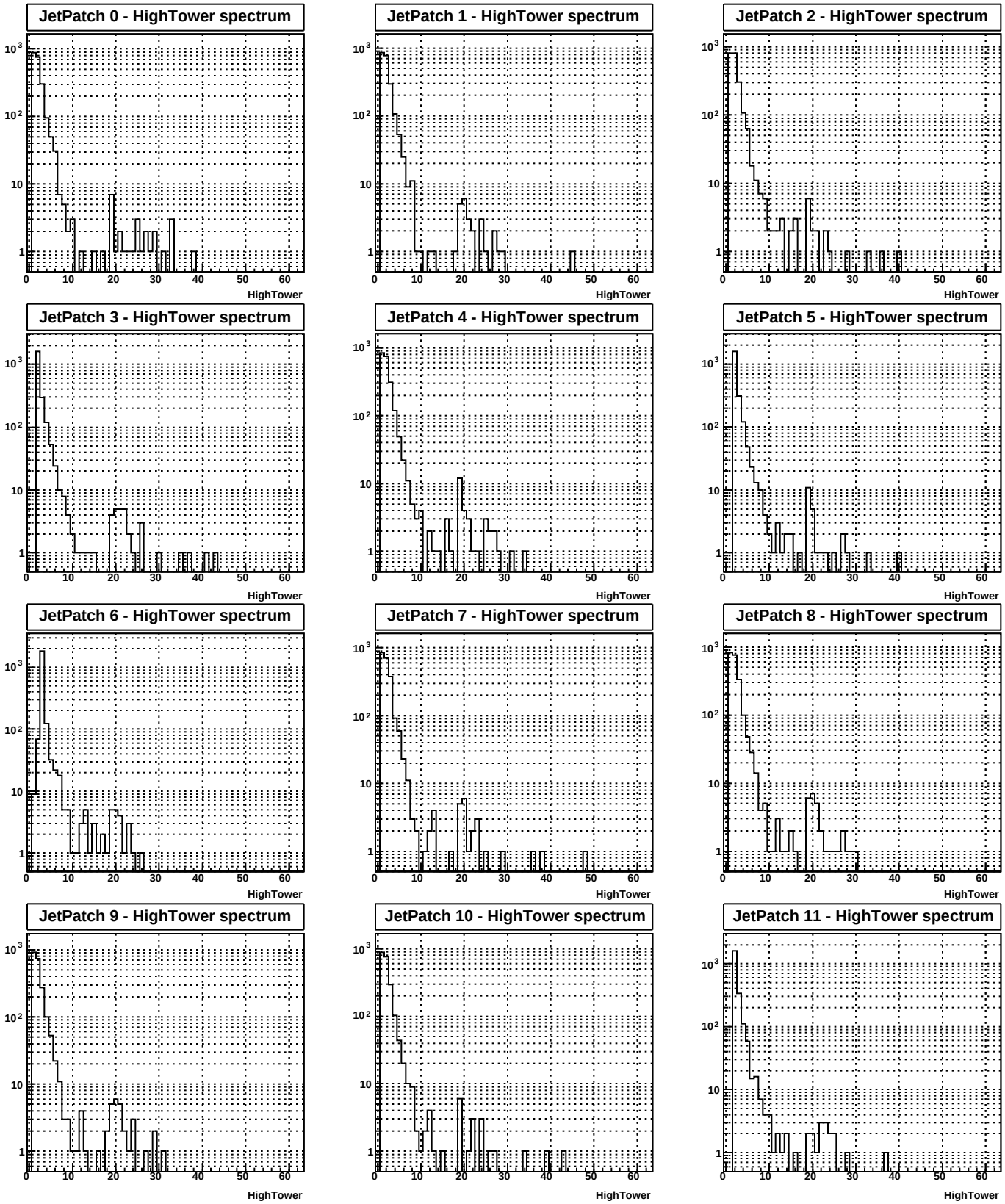

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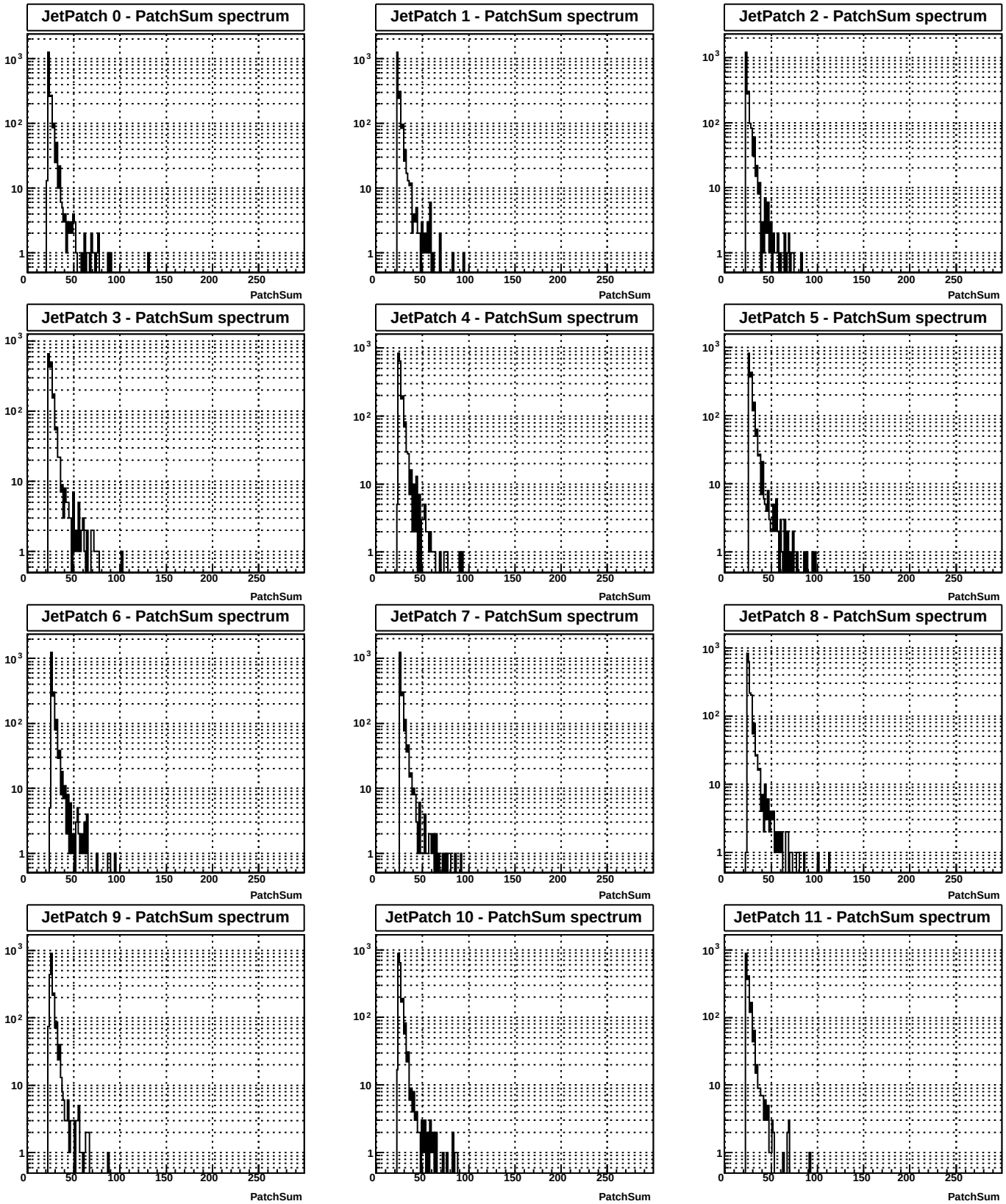

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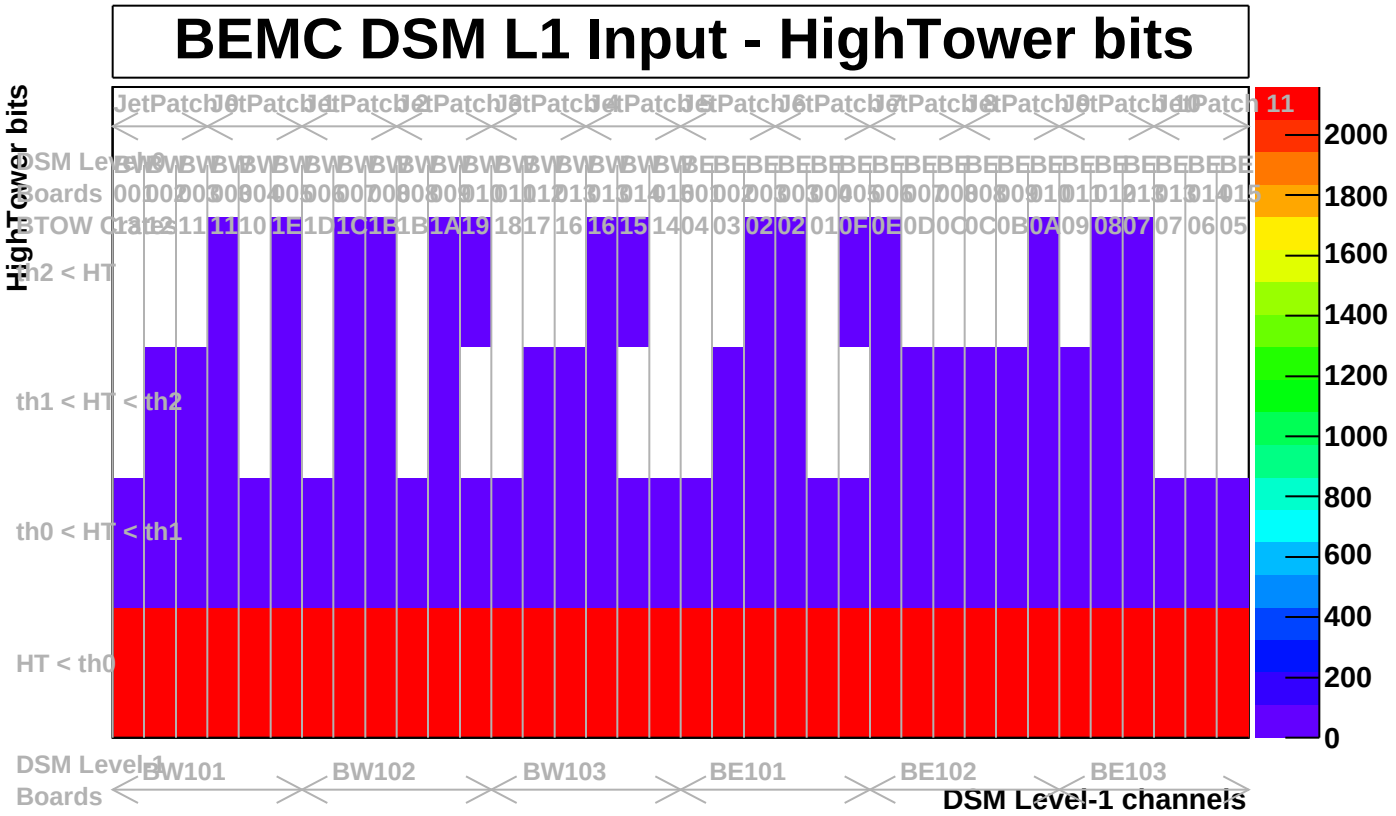

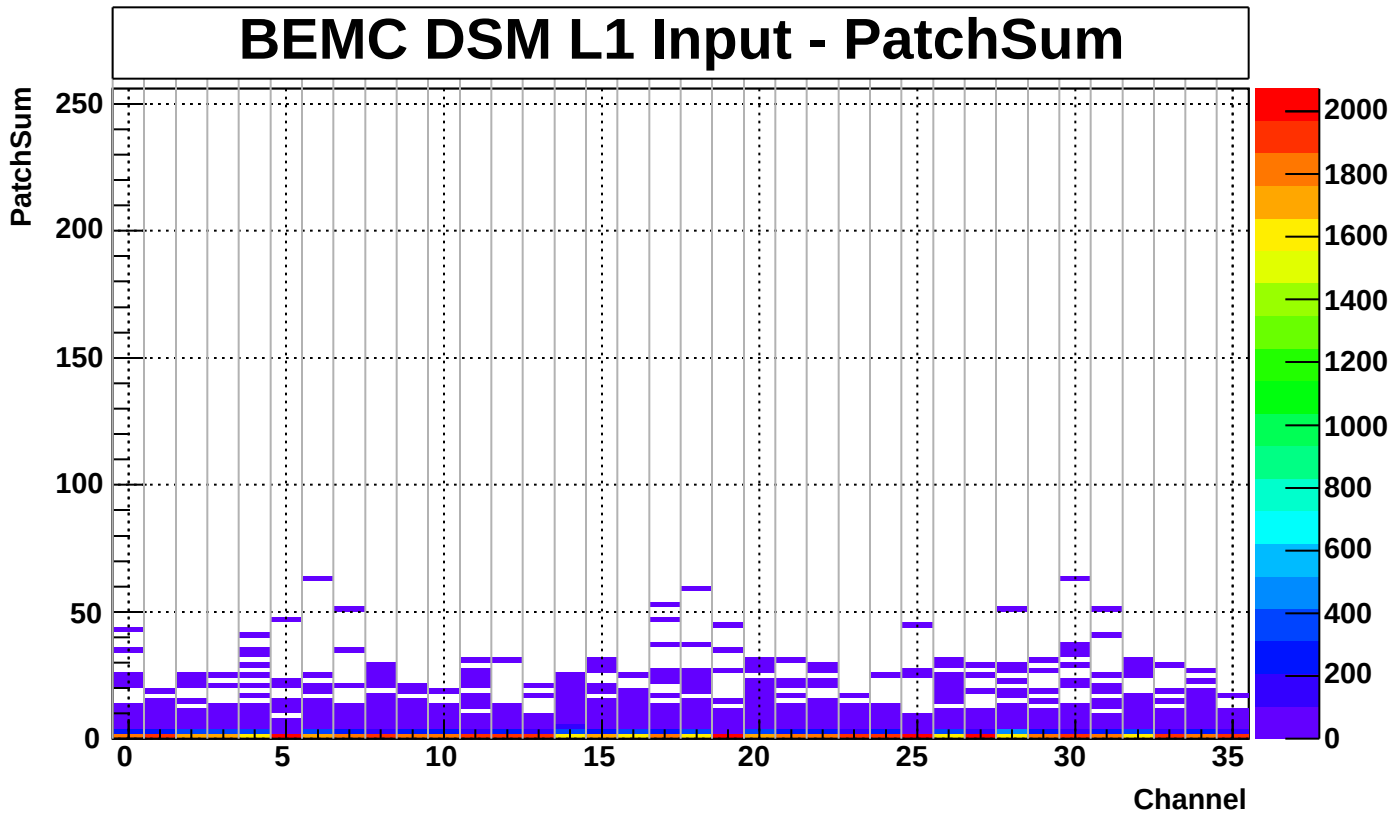

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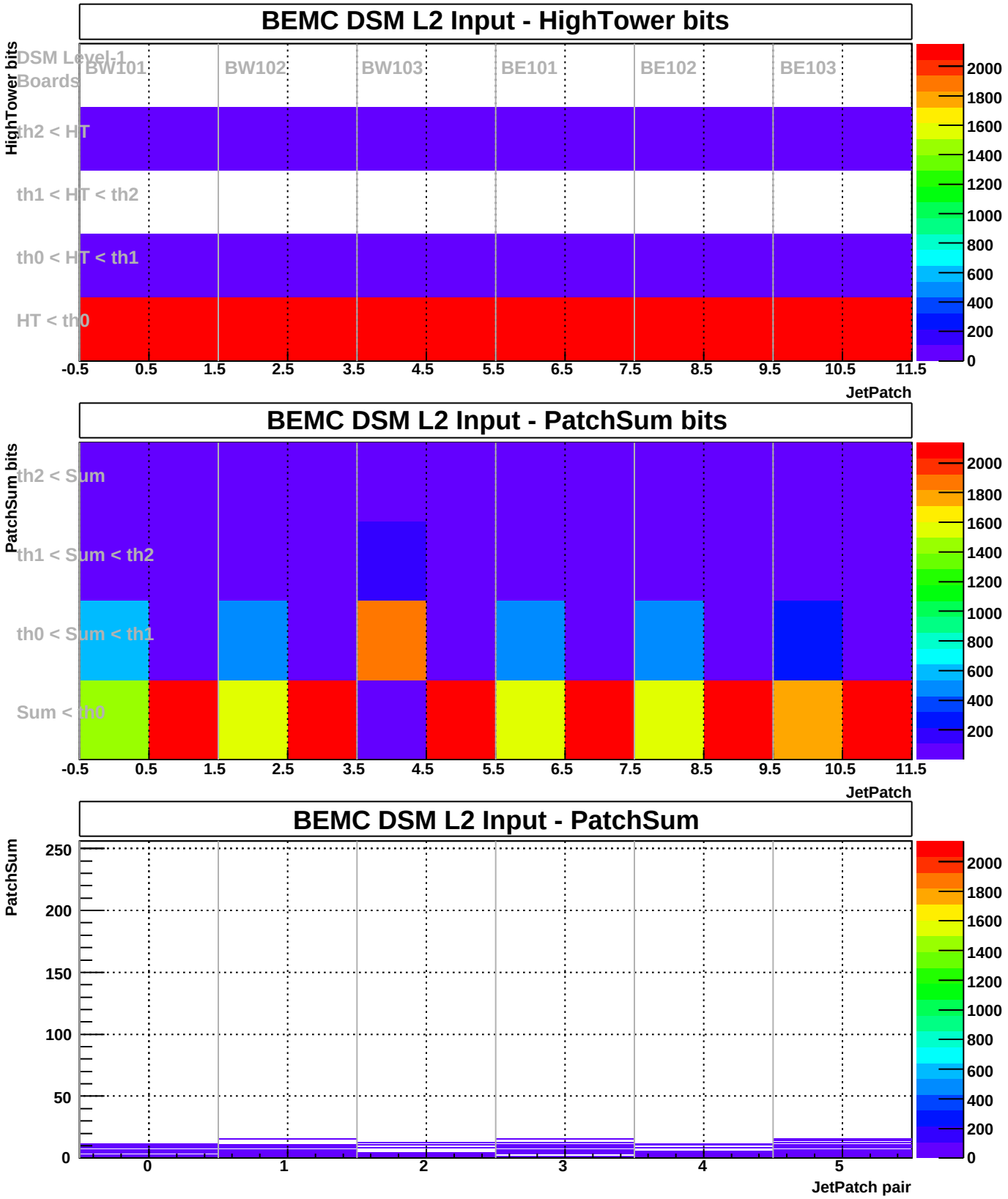

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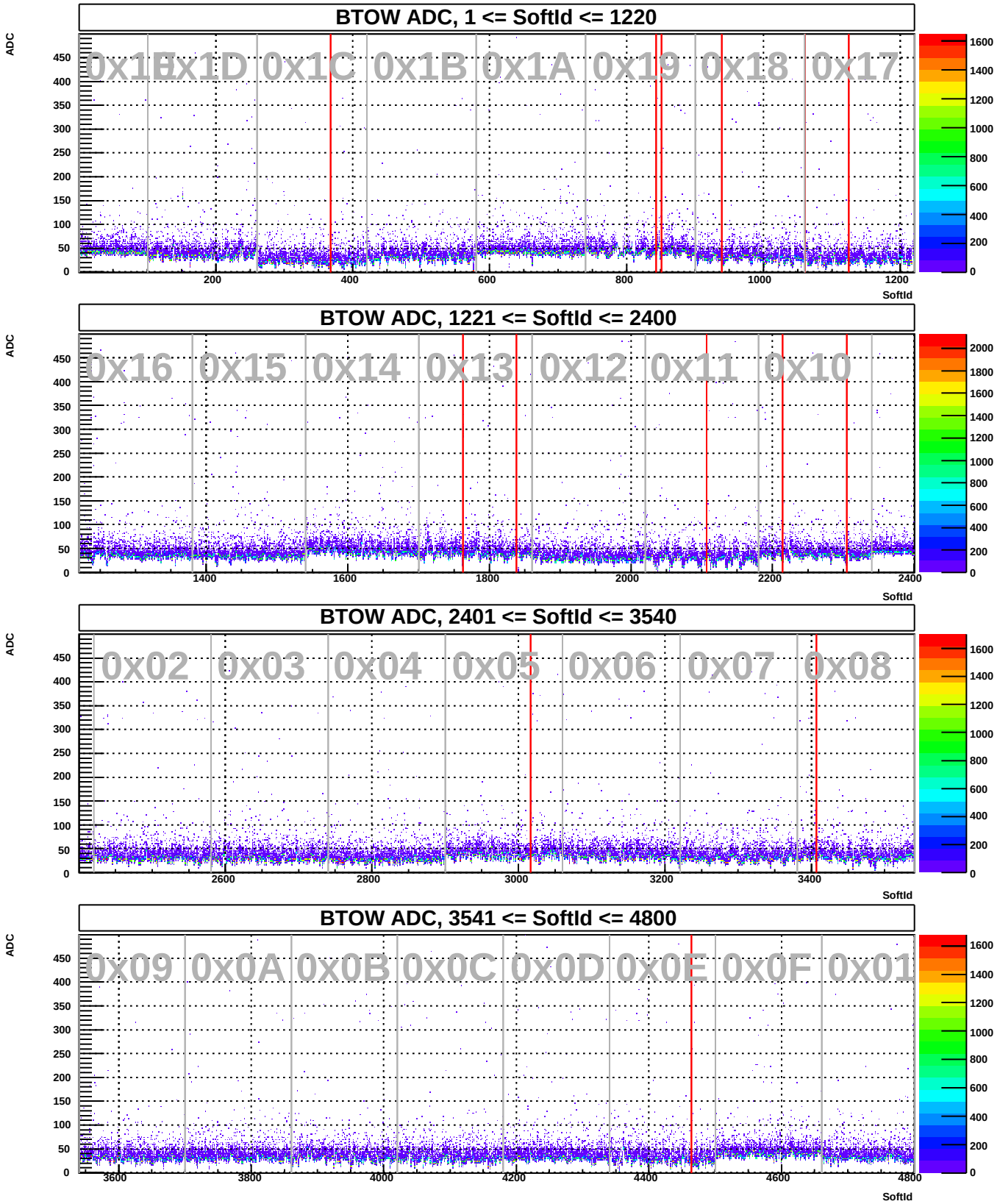

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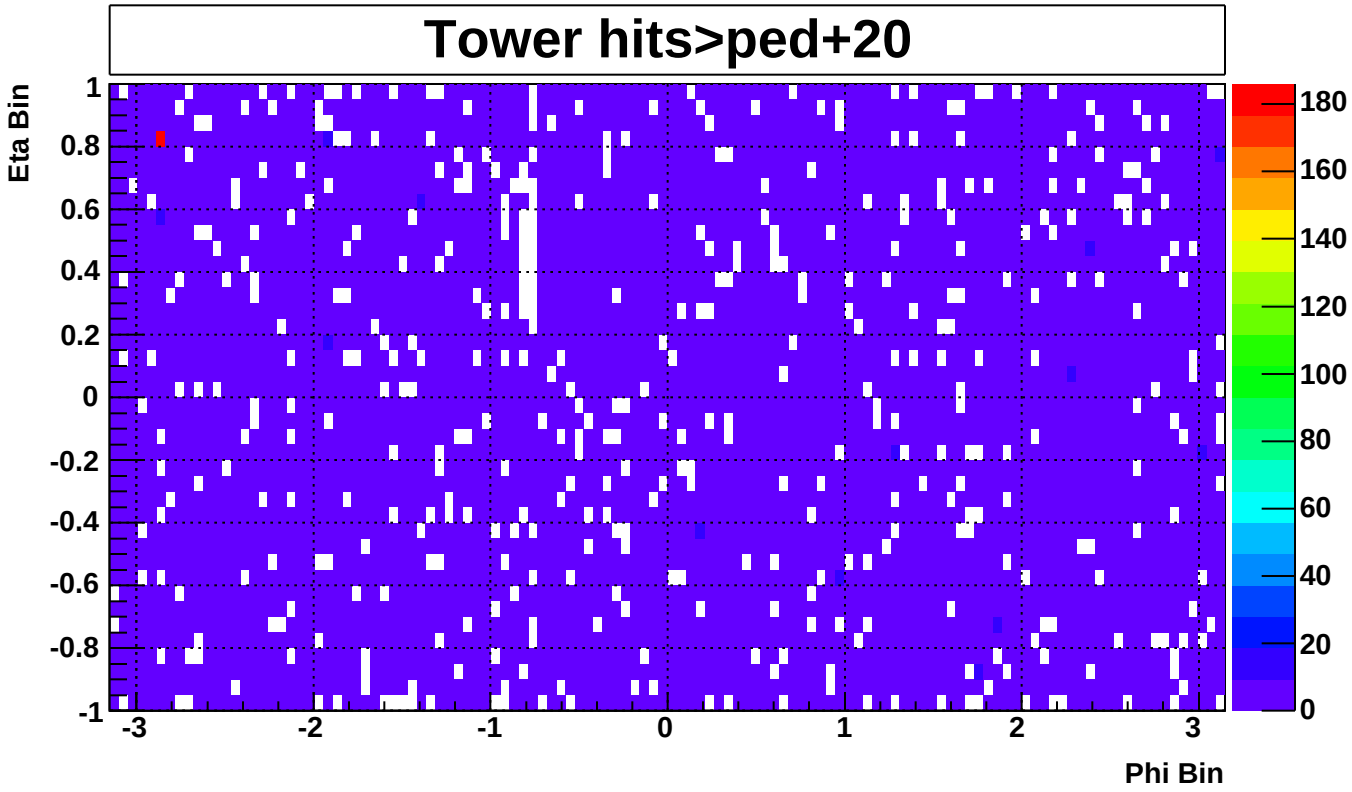

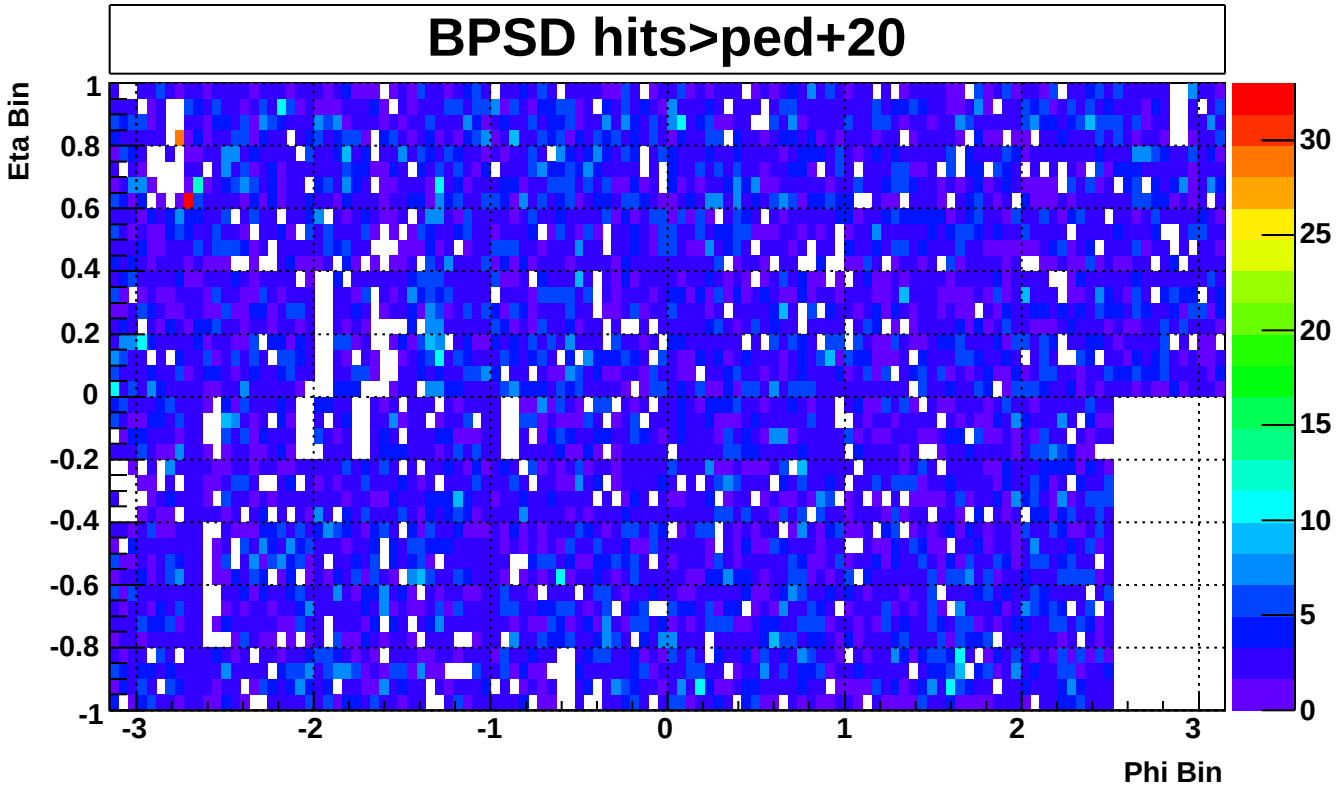

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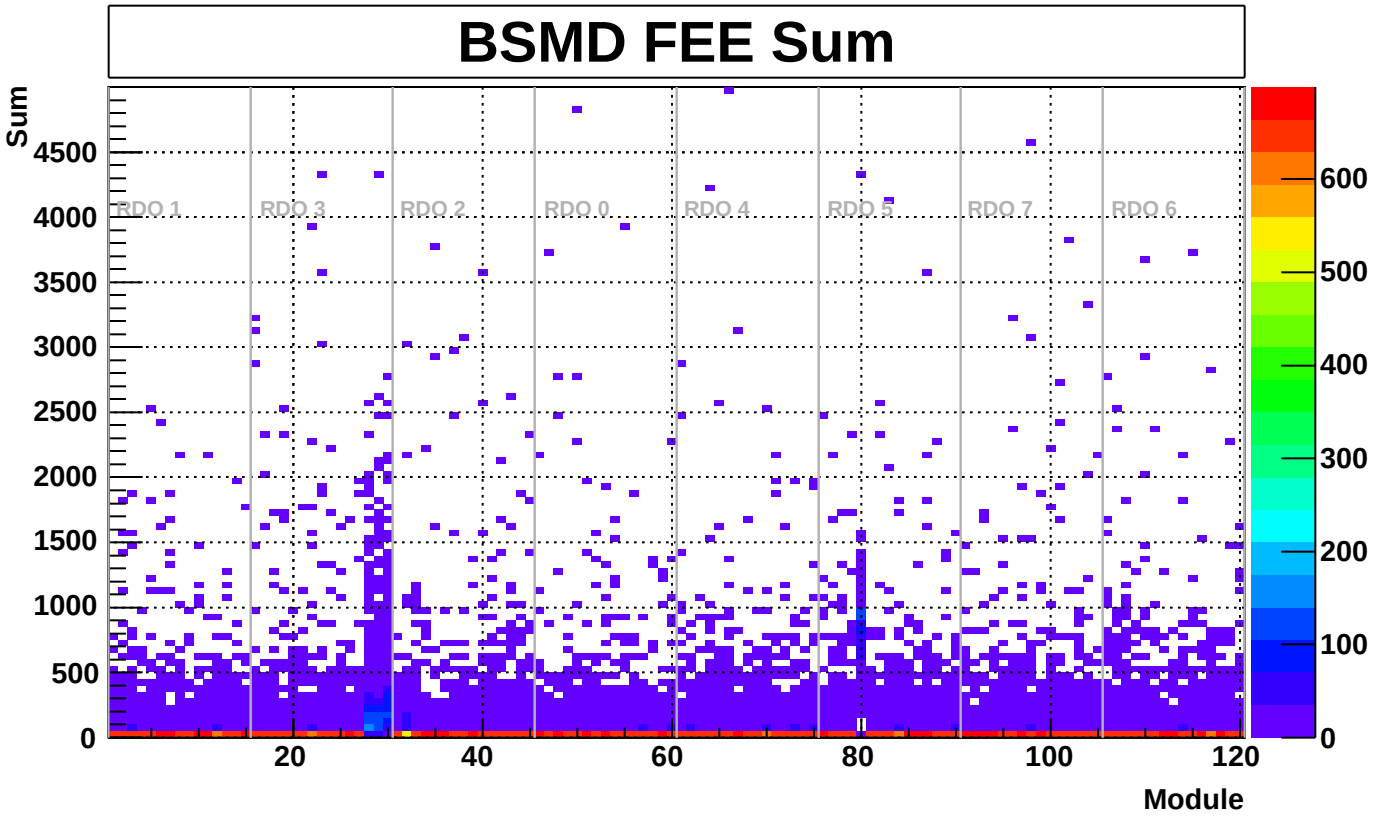

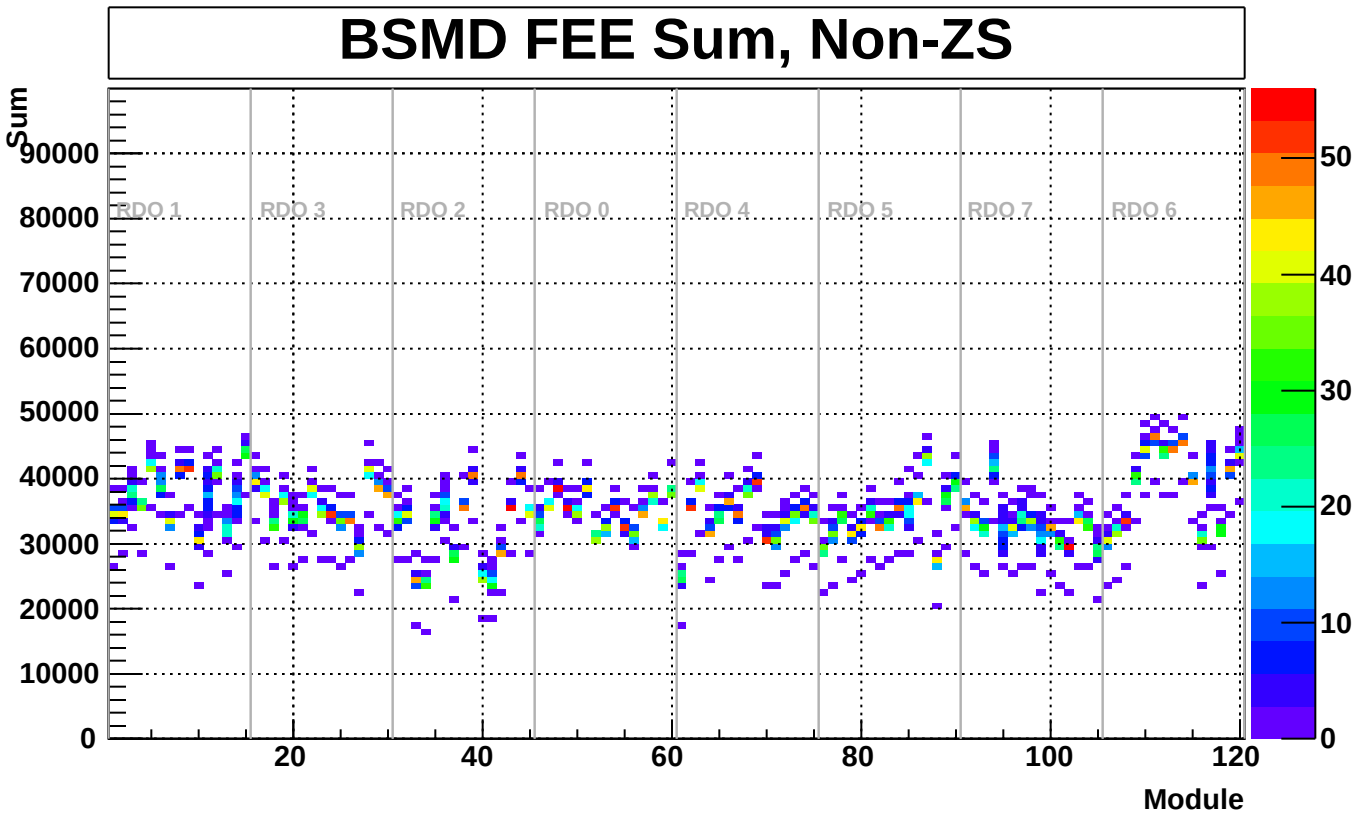

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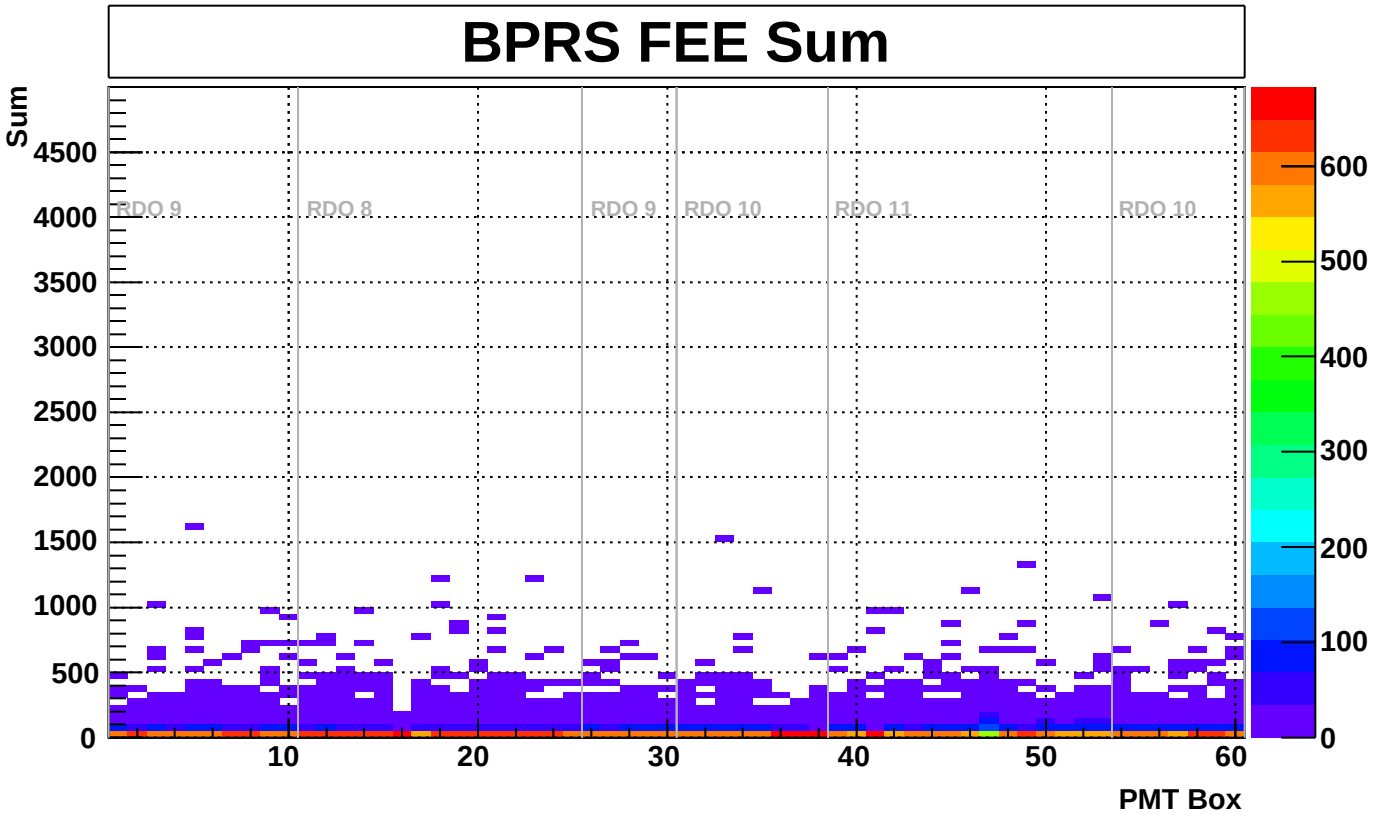

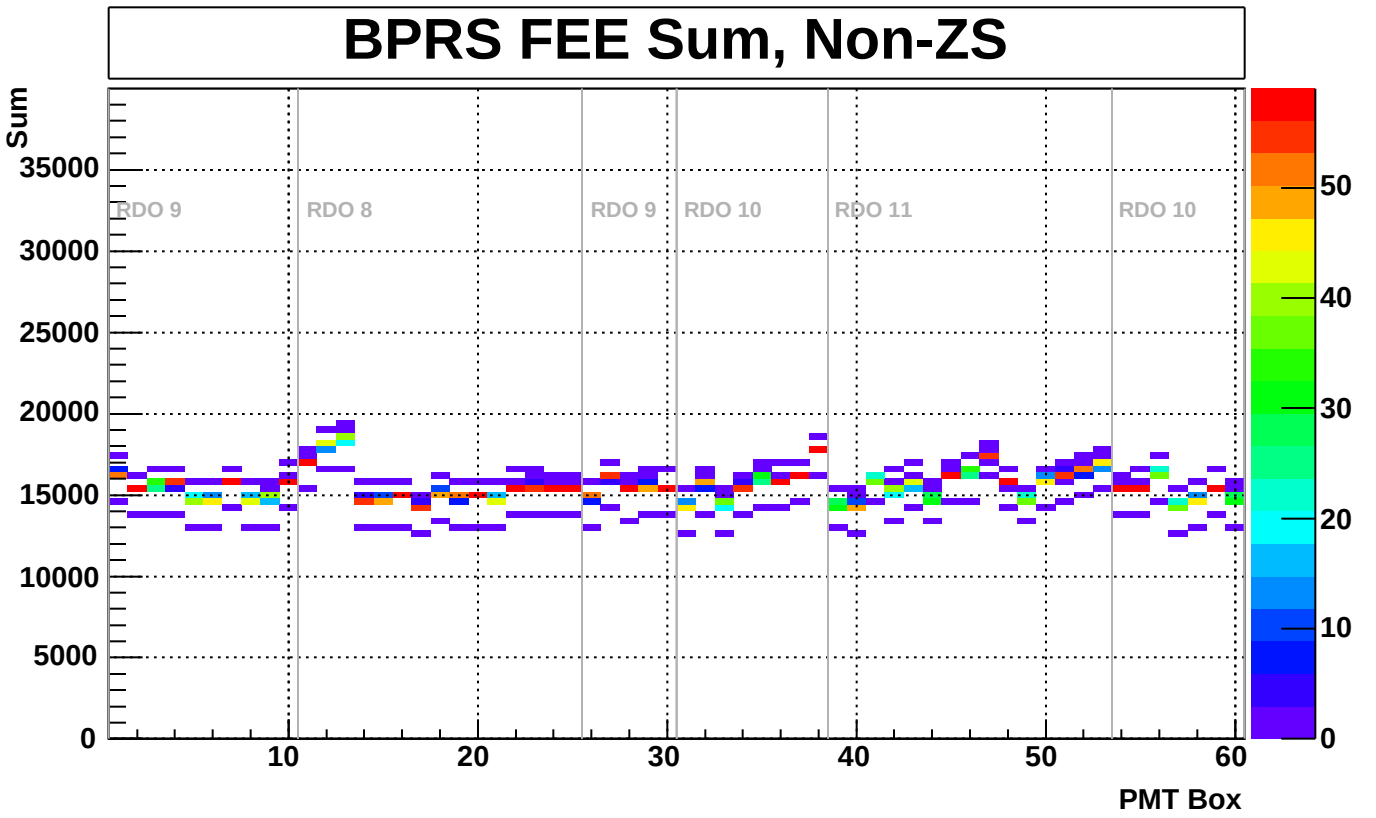

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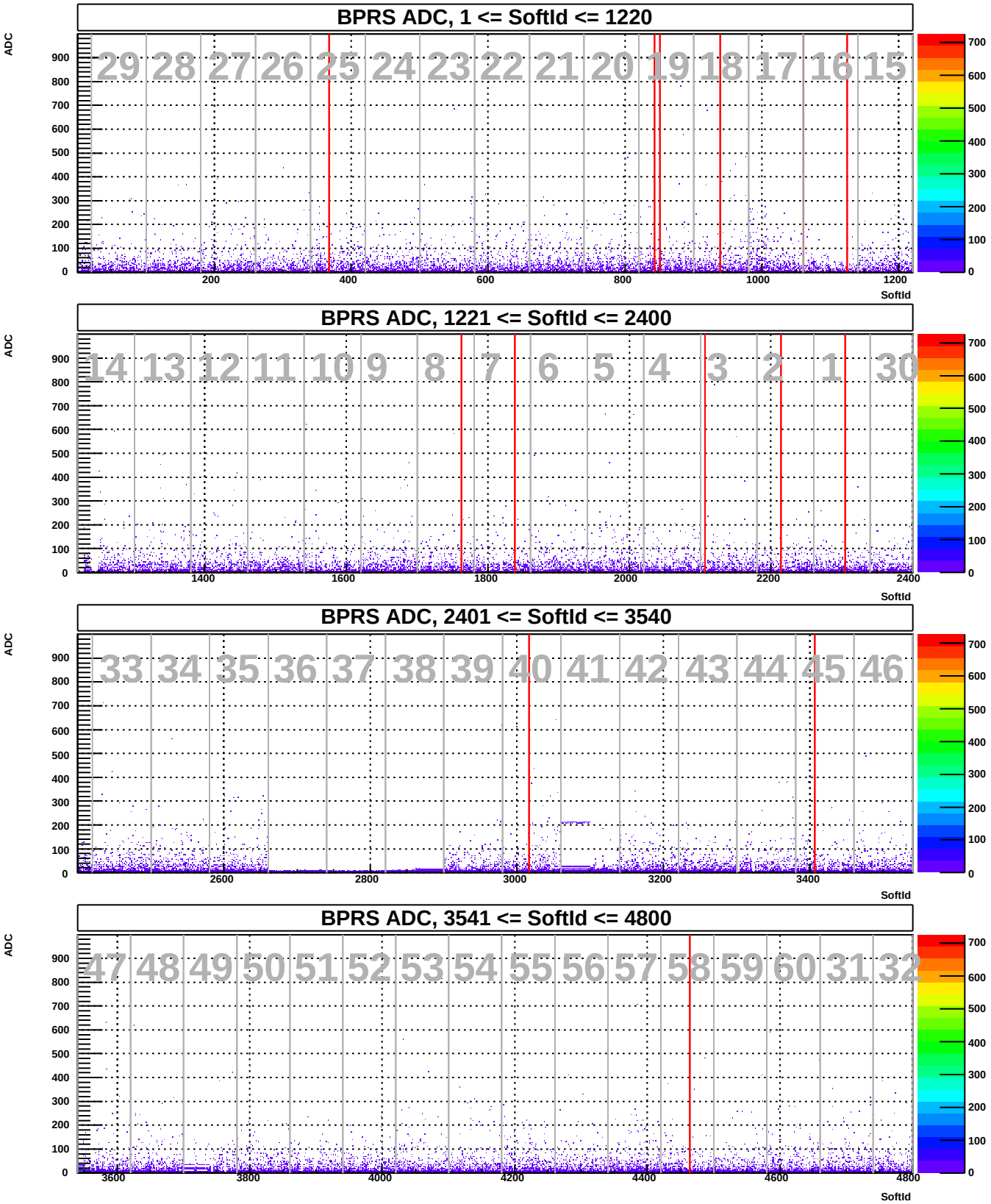

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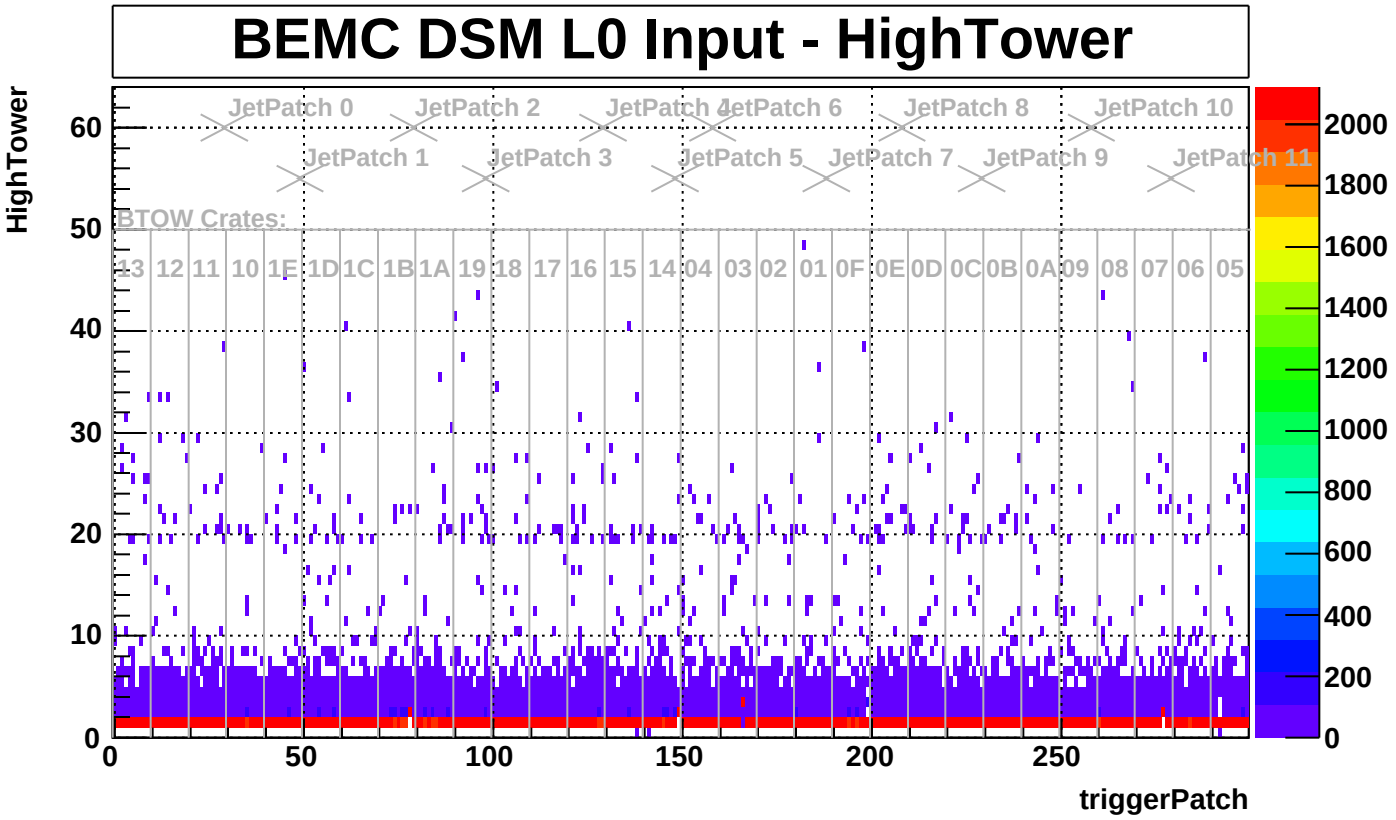

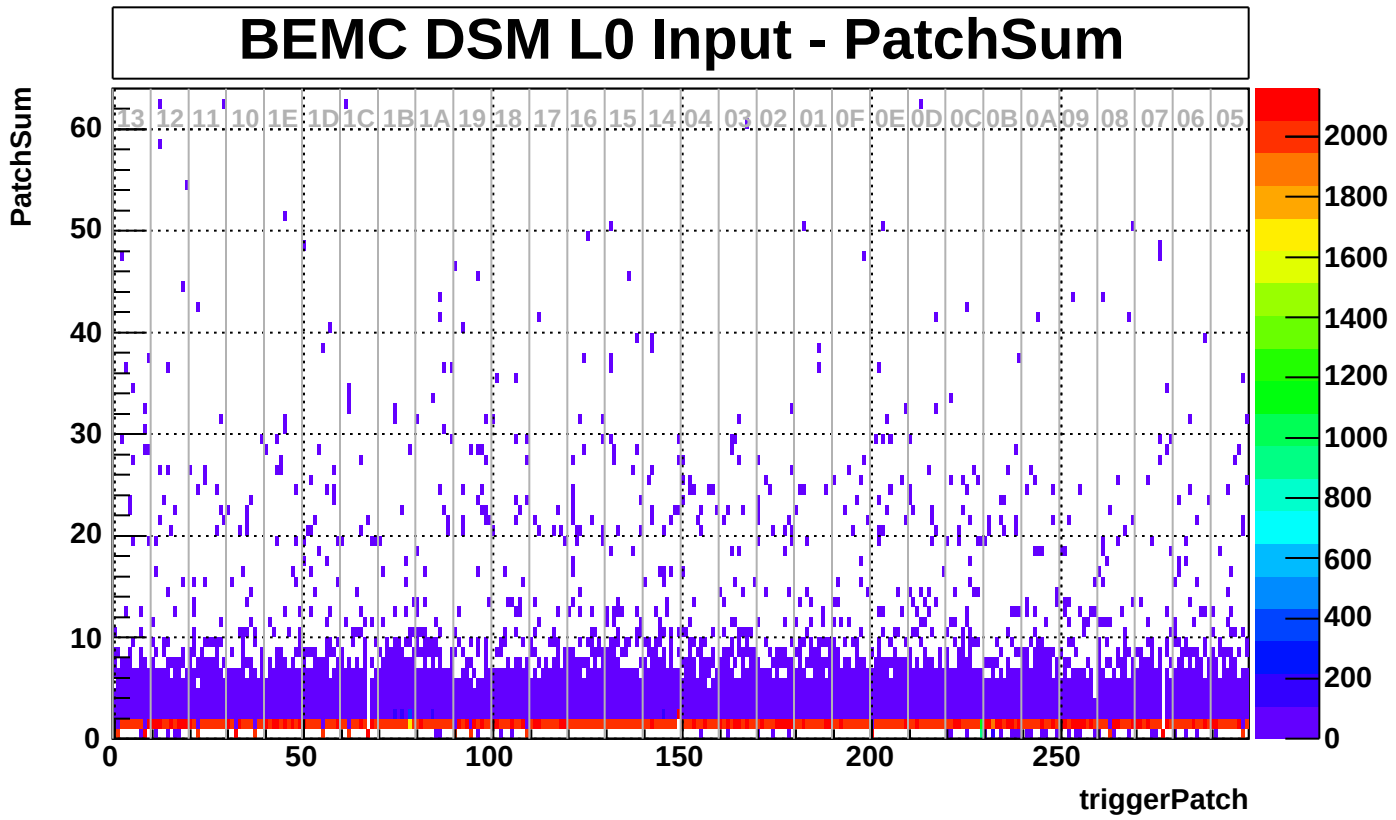

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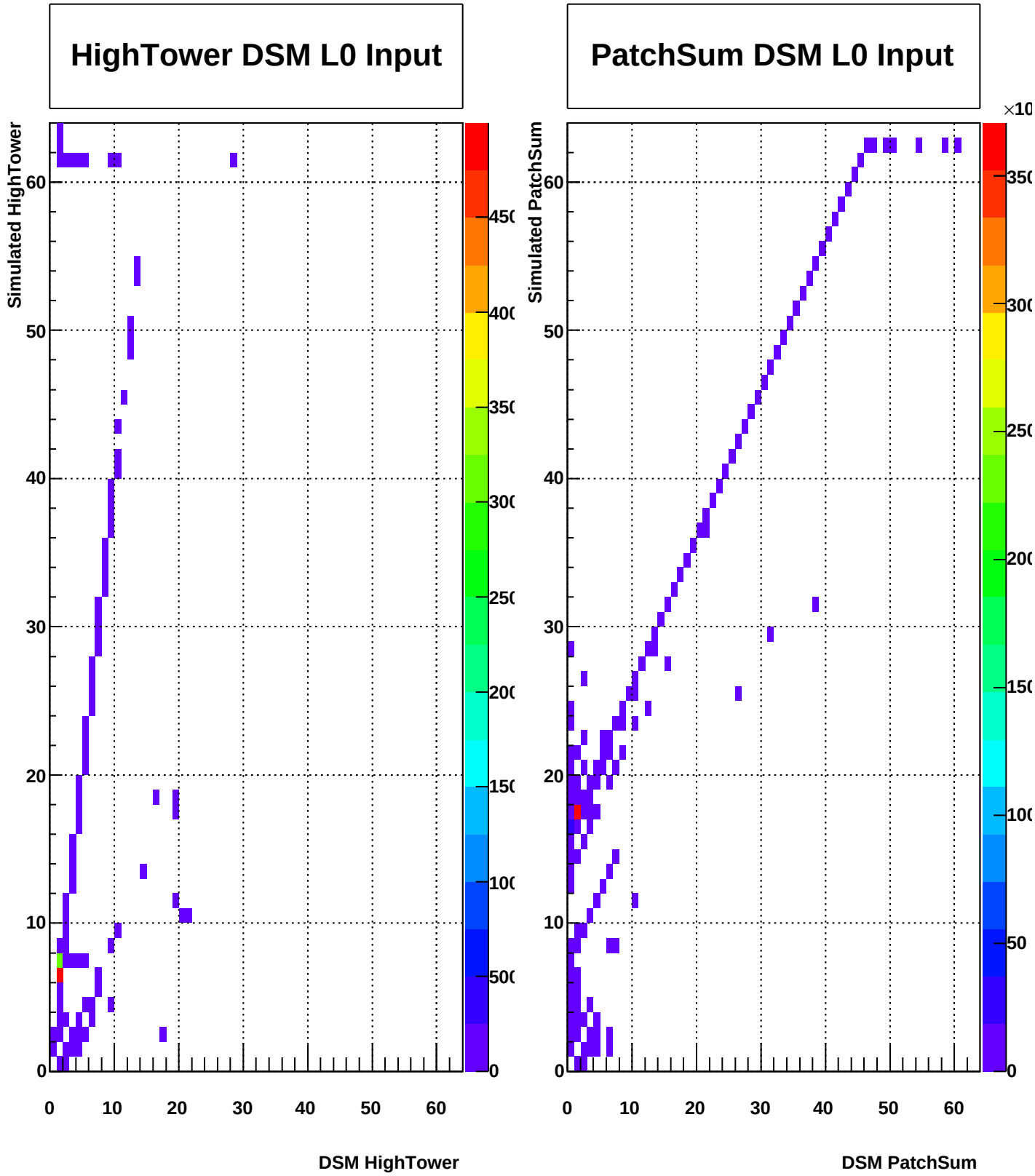

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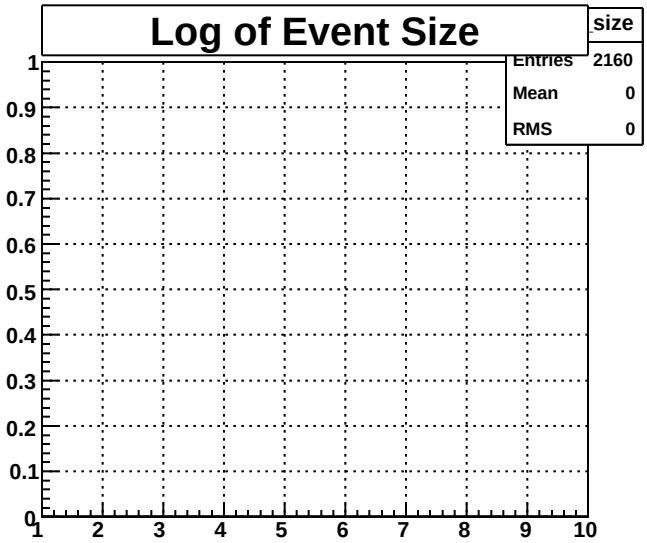
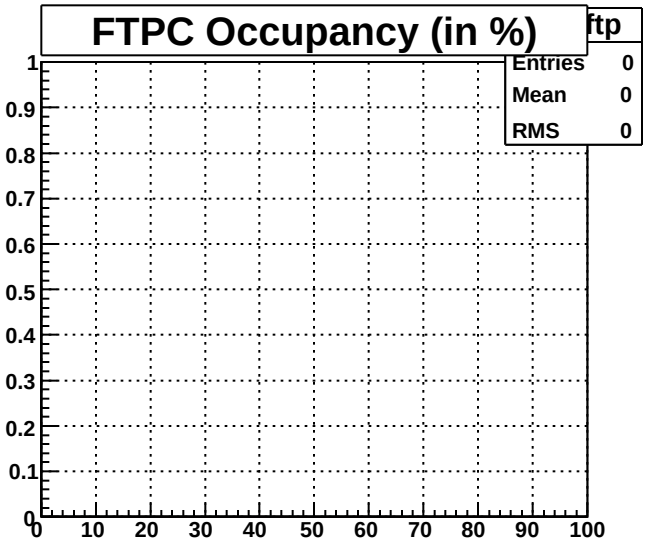
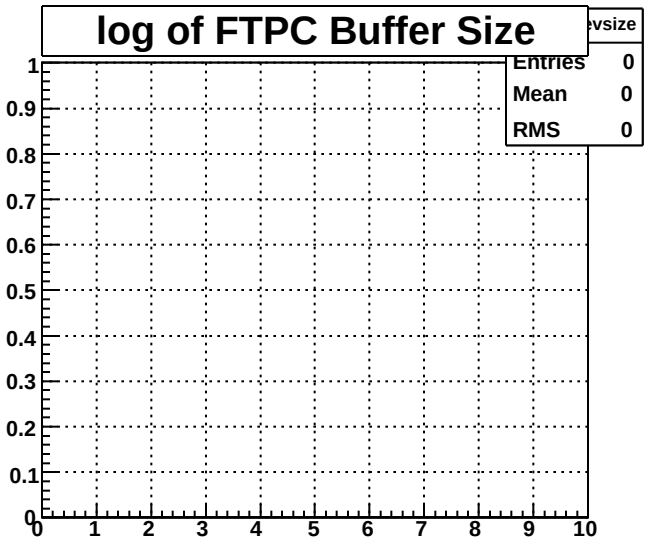
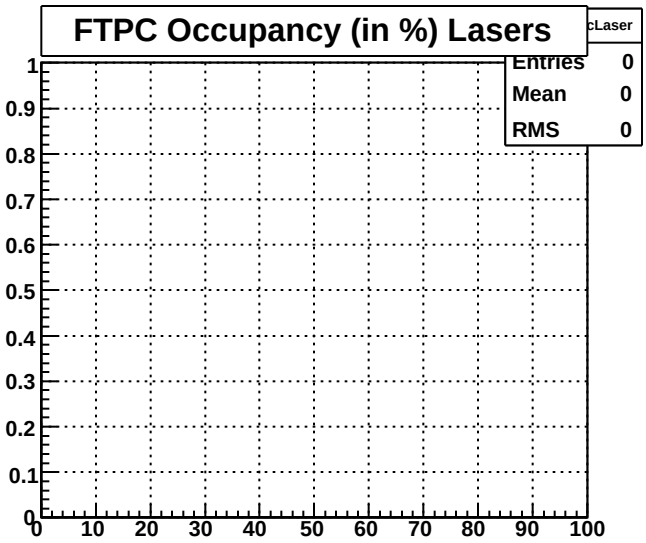
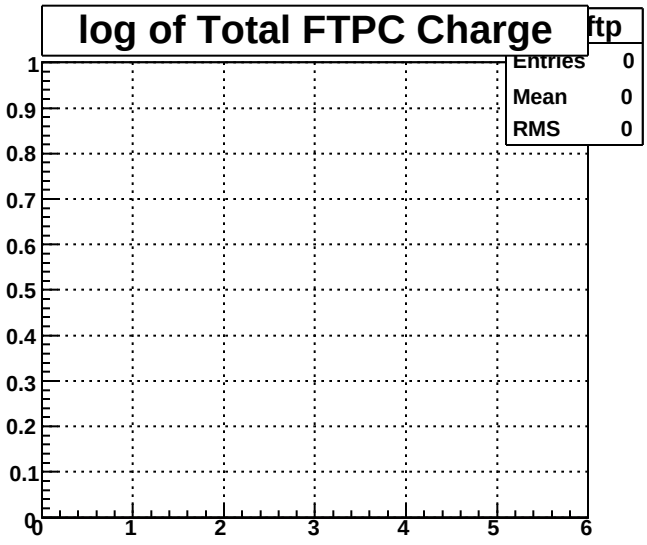
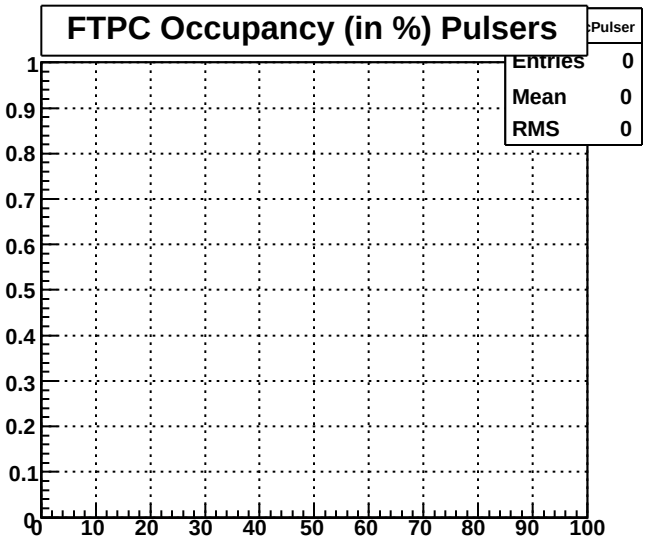

Log of Event Size
size
Entries 2160
Mean 0
RMS 0

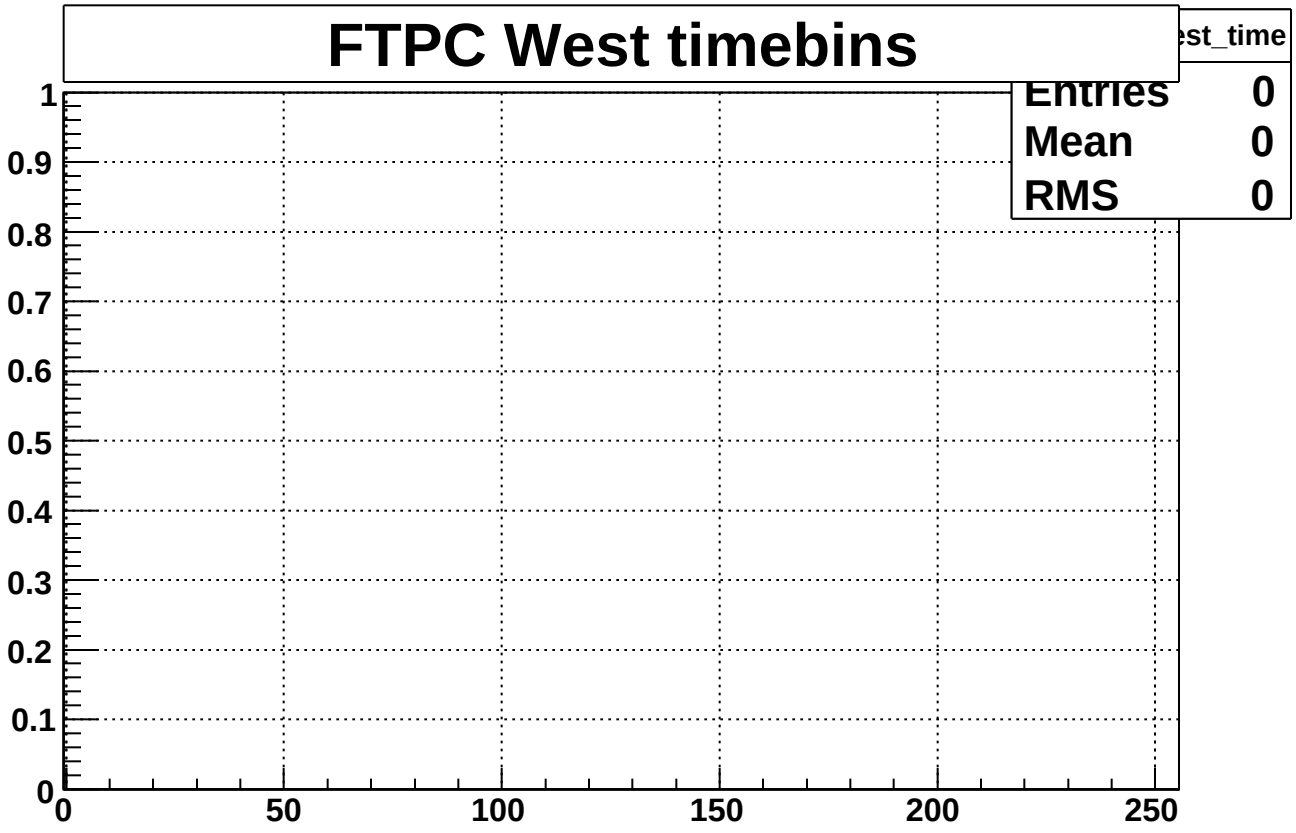

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

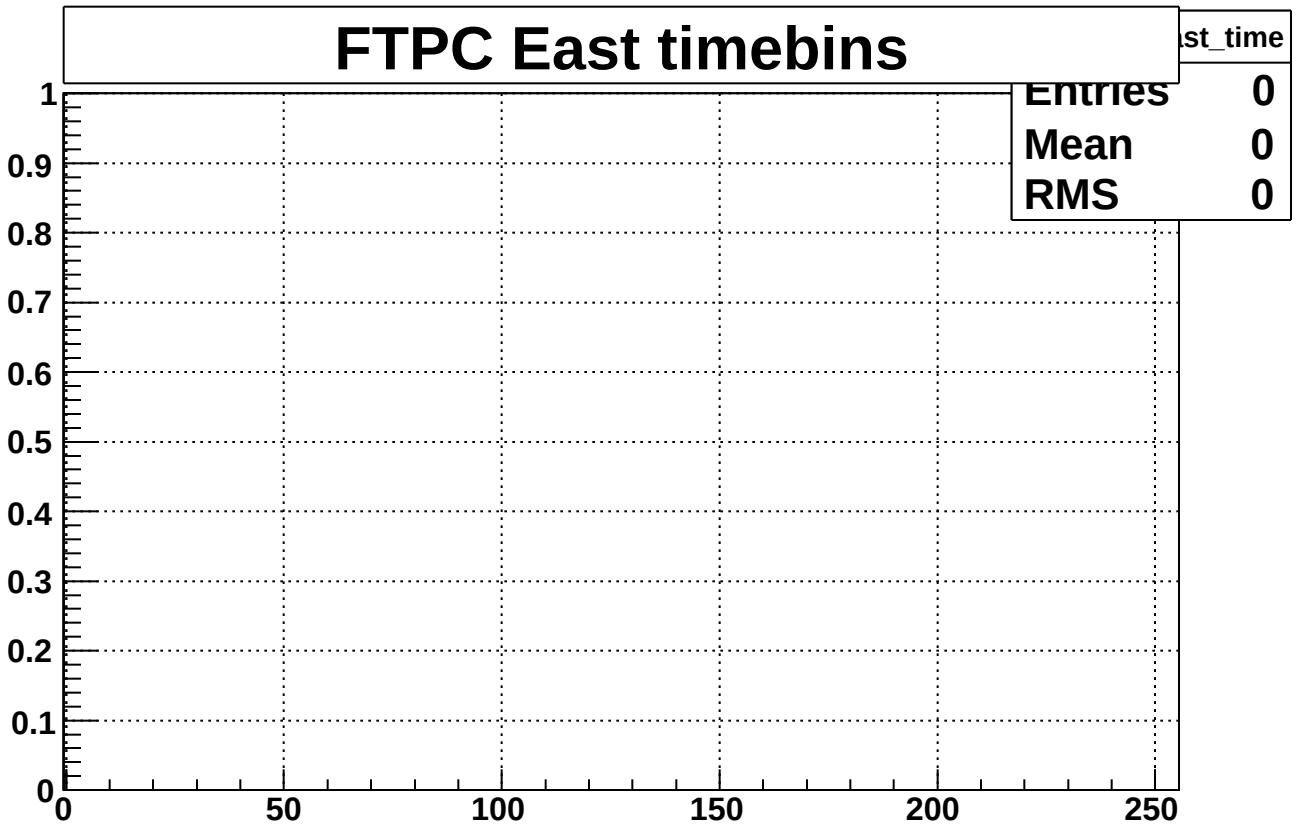

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

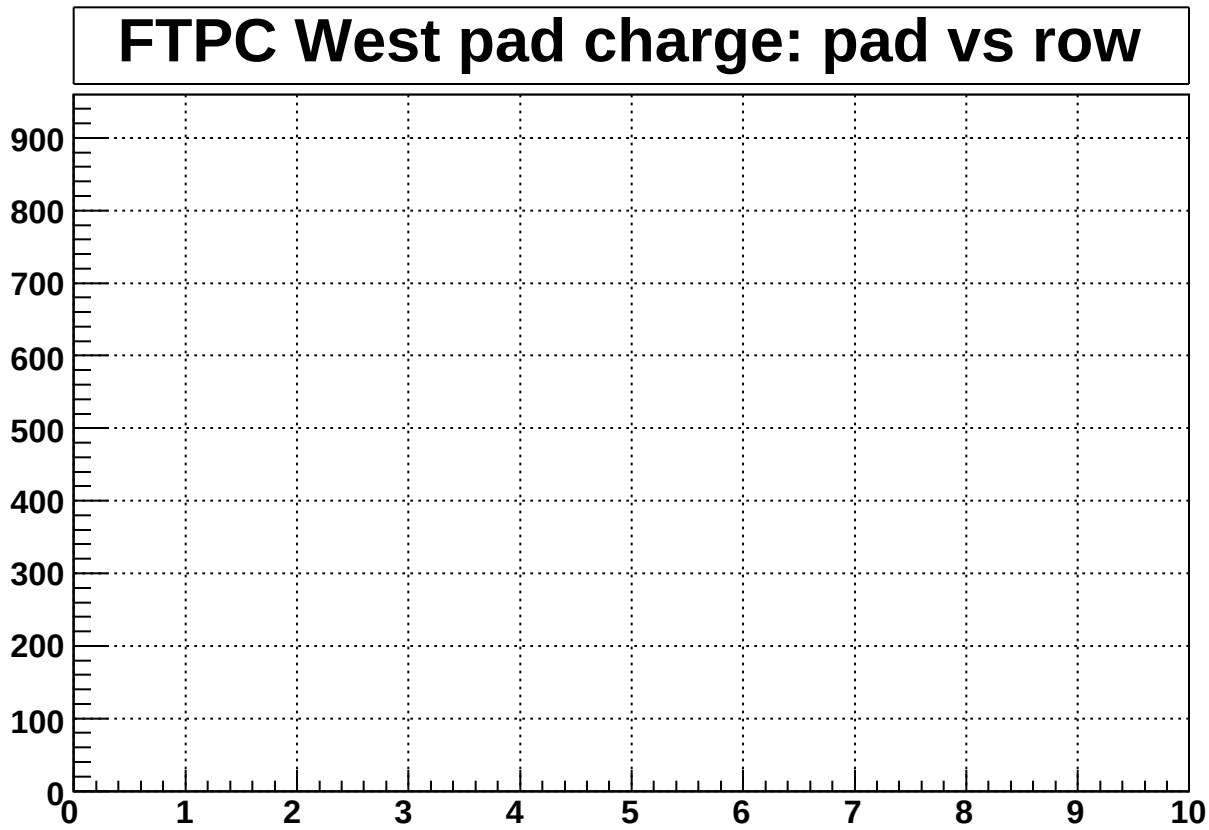

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

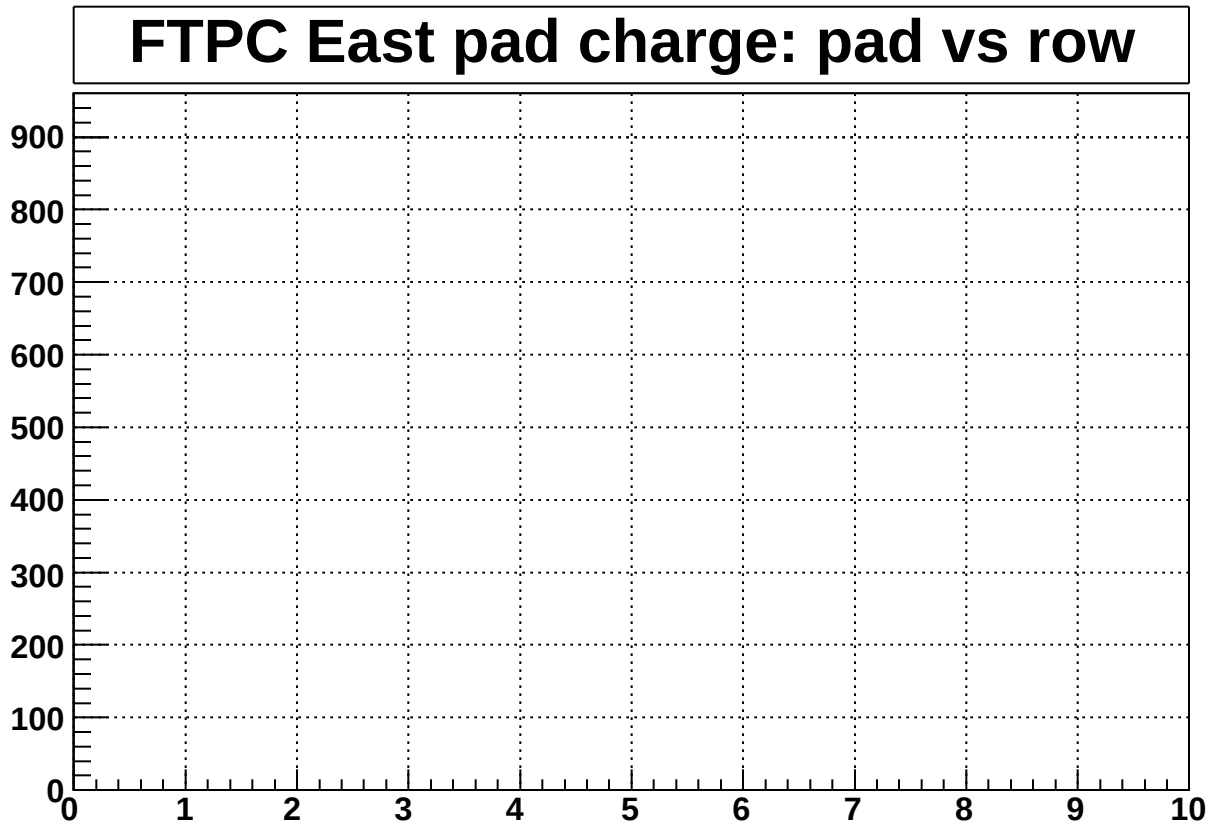

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

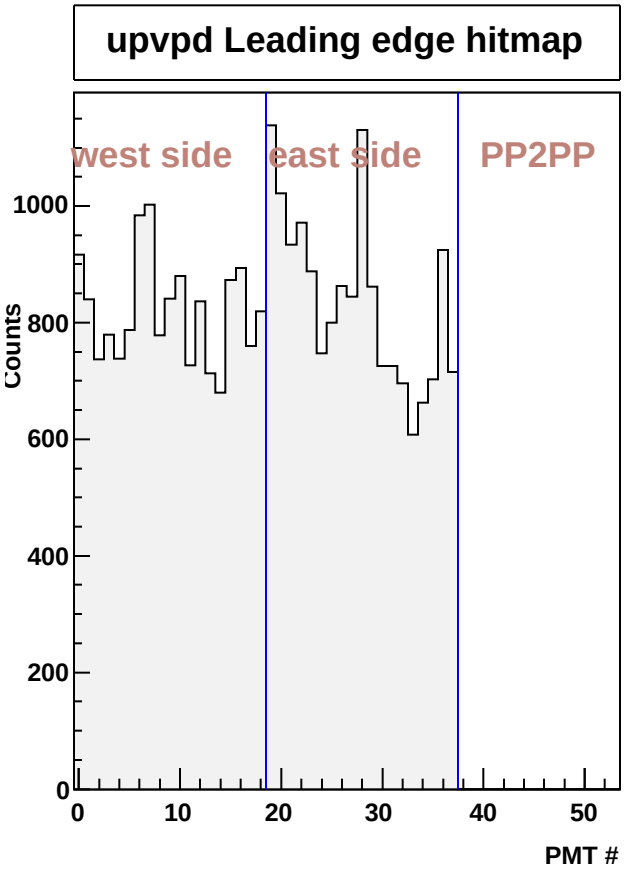

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

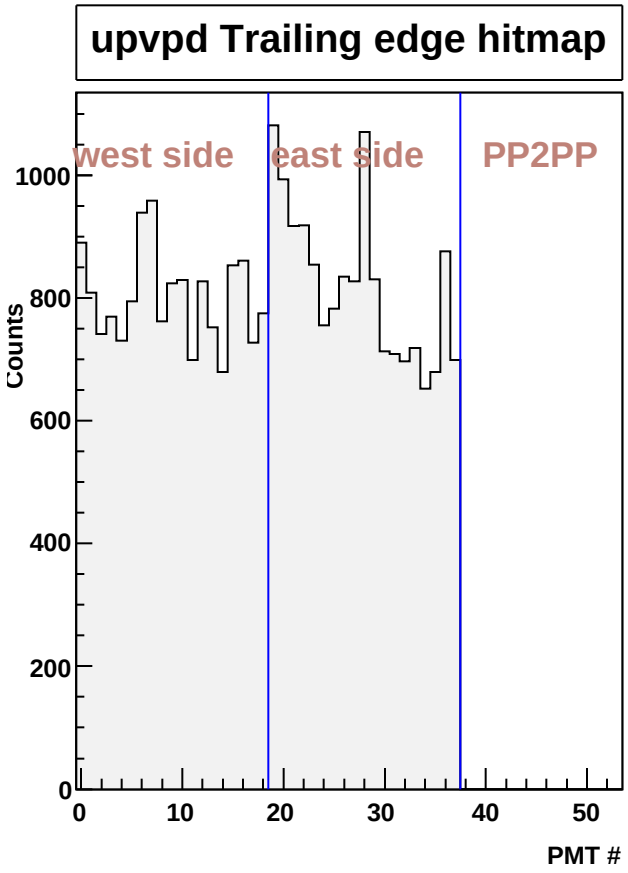

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

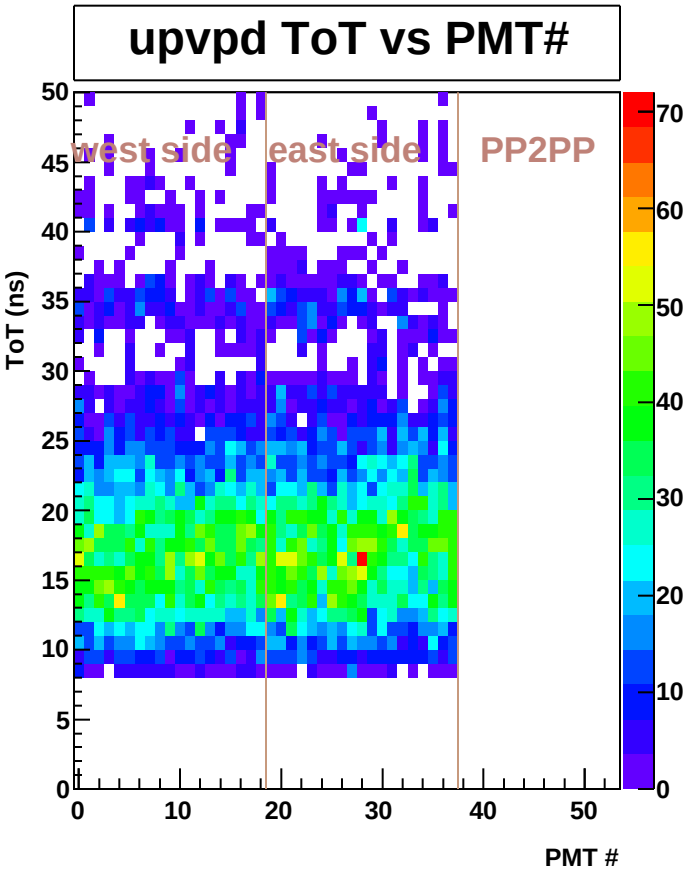

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

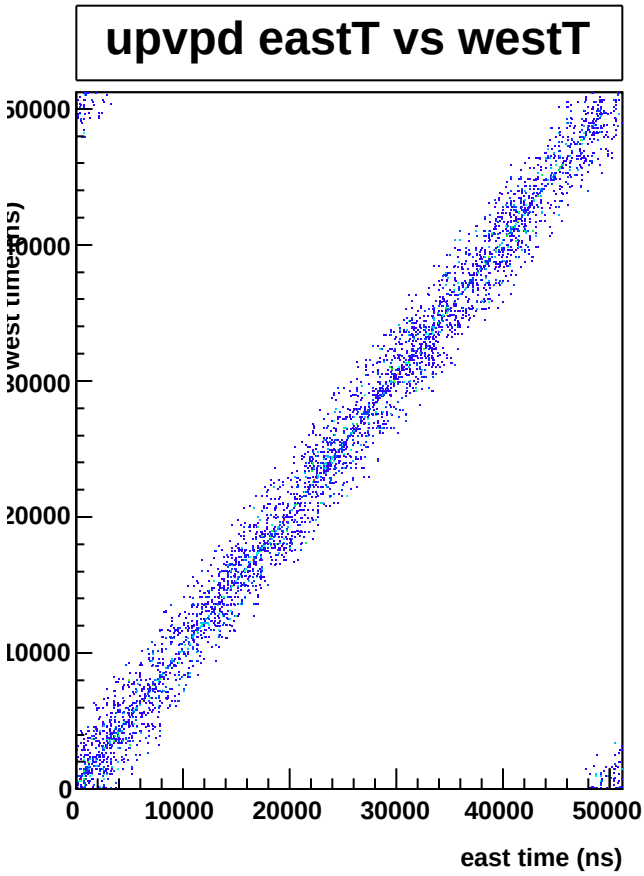

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

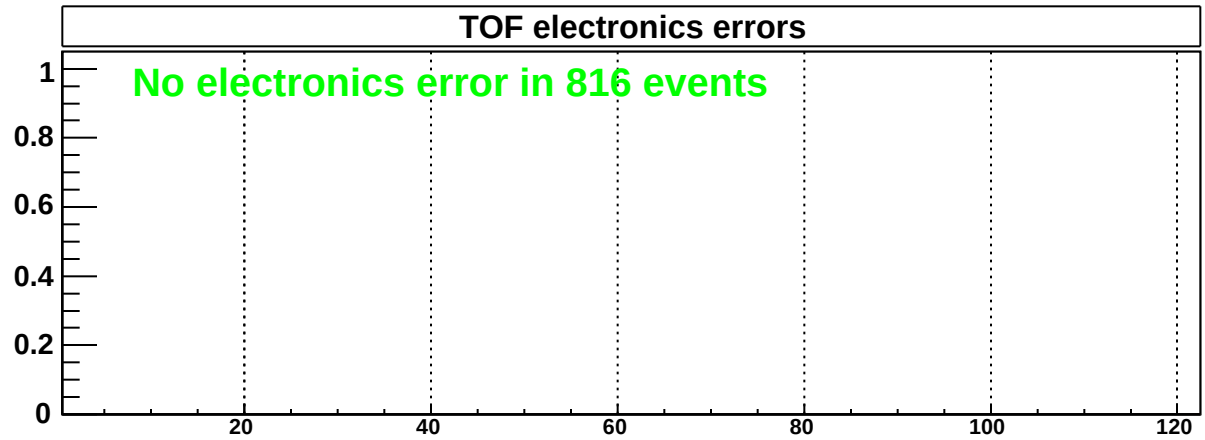

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

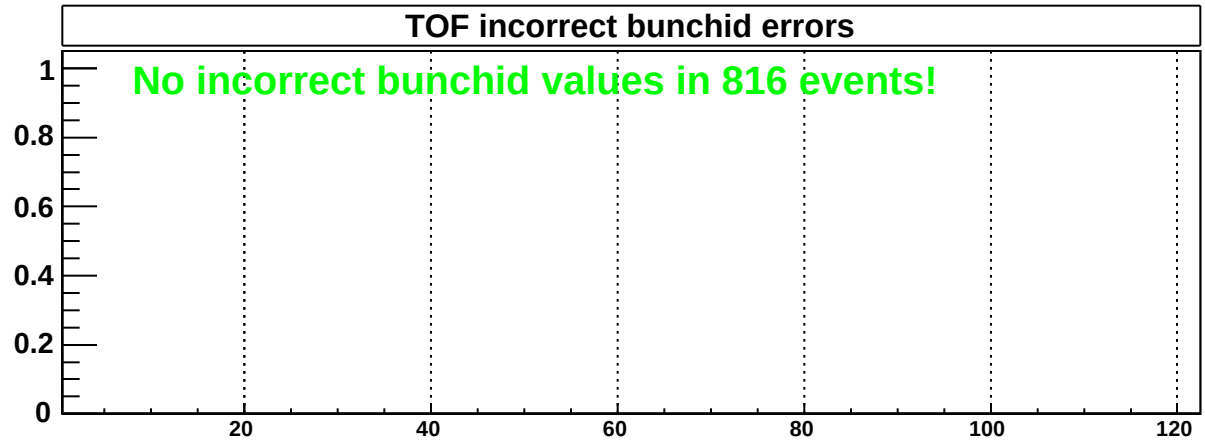

upvpd Leading edge hitmap
west side
east side
PP2PP
Counts
PMT #

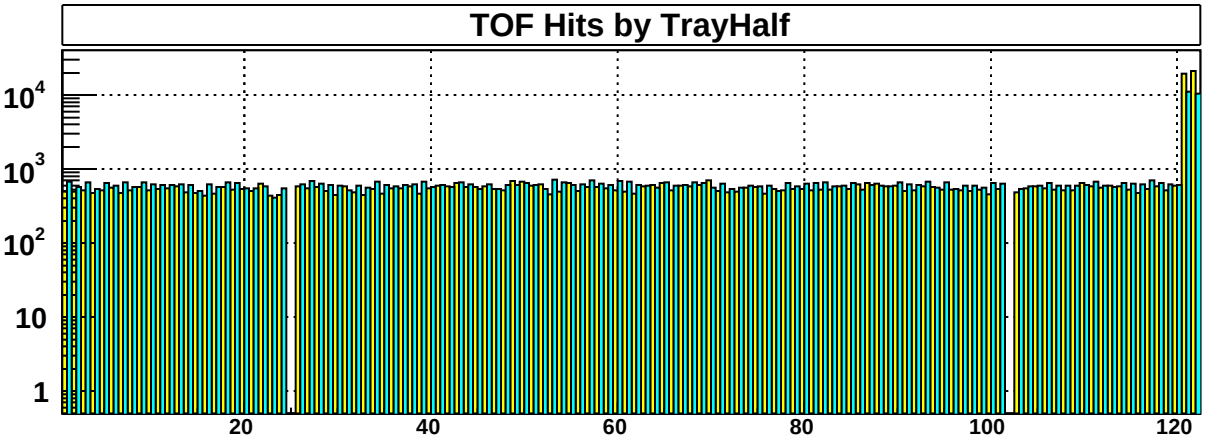

upvpd Trailing edge hitmap
west side
east side
PP2PP
Counts
PMT #

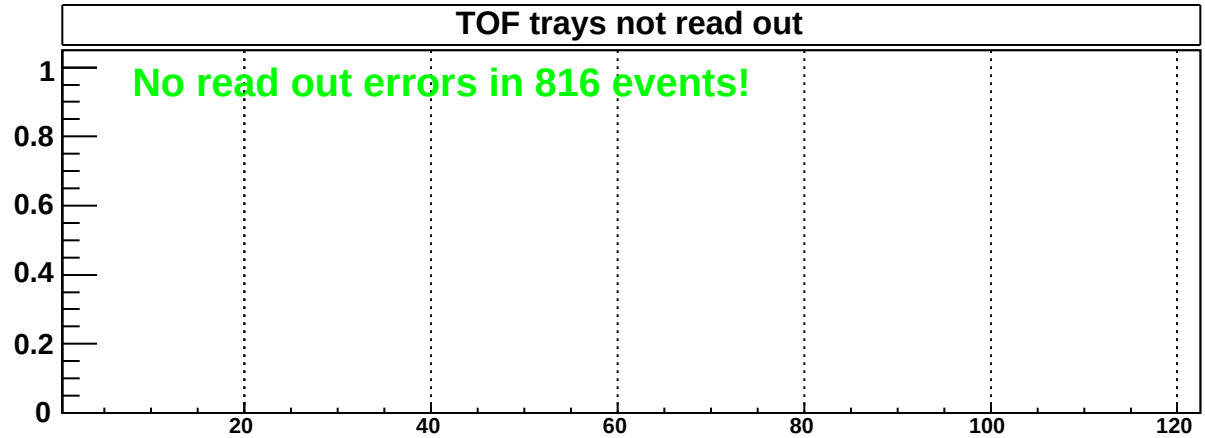

upvpd ToT vs PMT#
west side
east side
PP2PP
ToT (ns)
PMT #

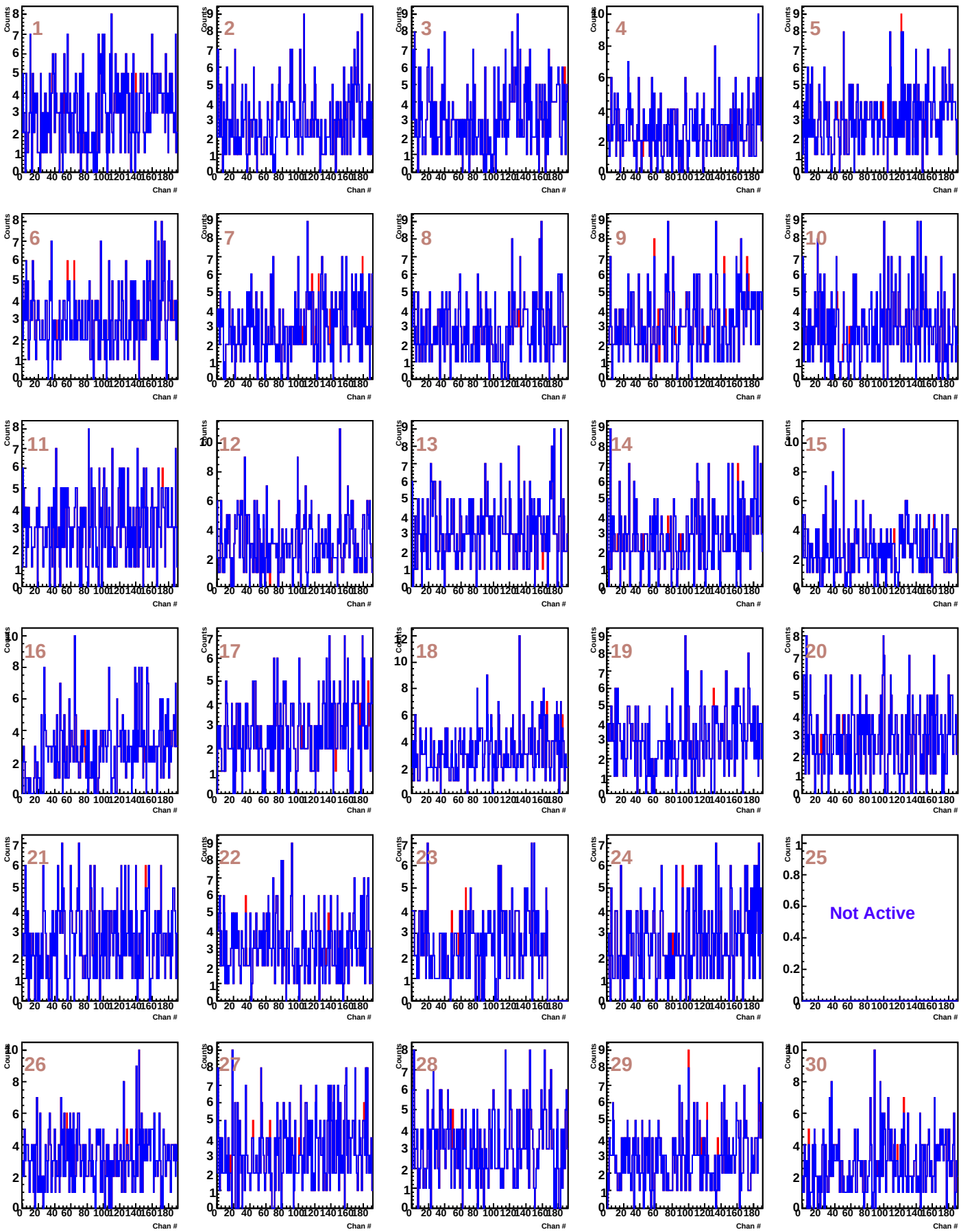

upvpd eastT vs westT
east time (ns)

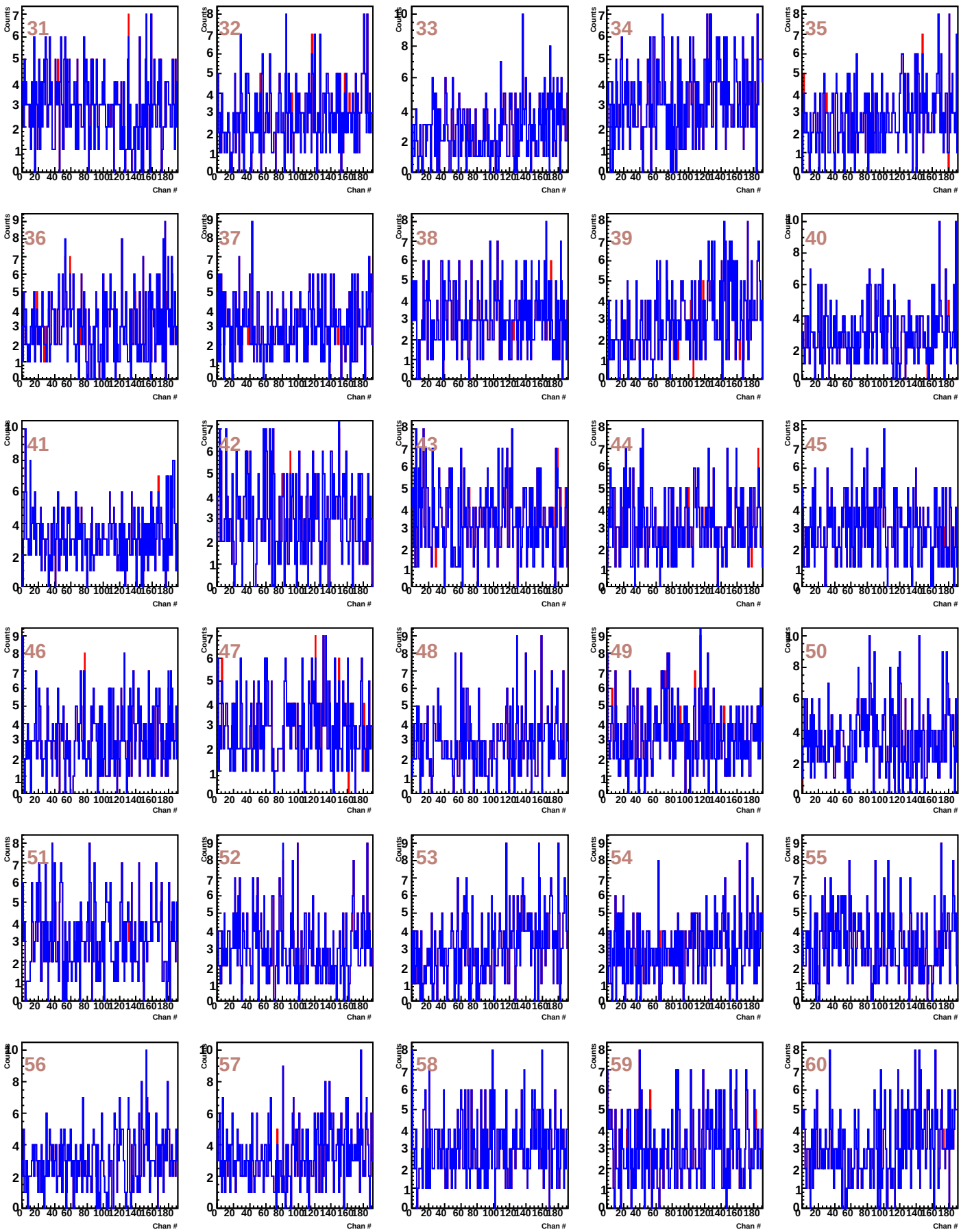

TOF electronics errors
No electronics error in 816 events
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


TOF incorrect bunchid errors
No incorrect bunchid values in 816 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 816 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


1
2
3
4
5
6
7
8
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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46
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49
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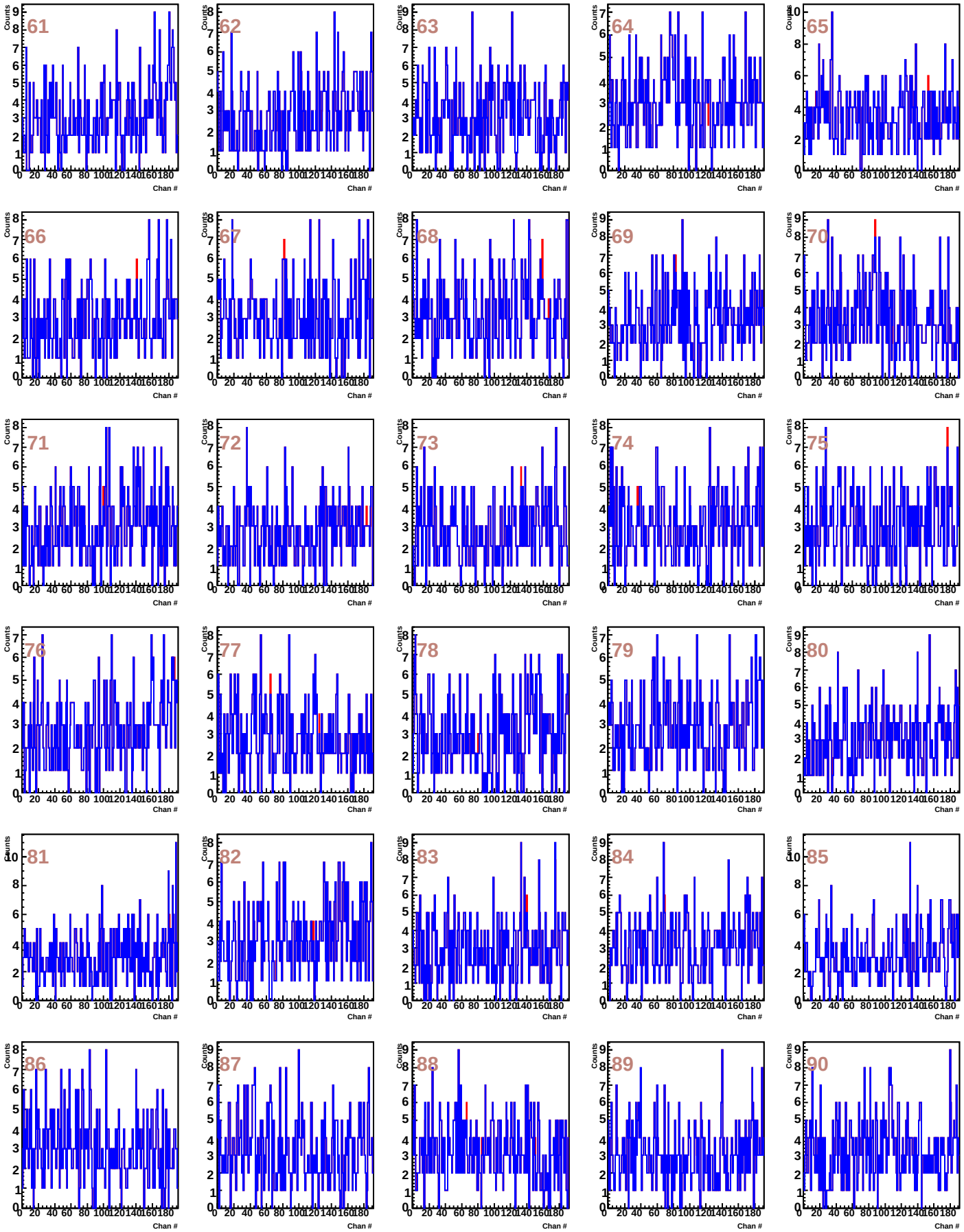
51
52
53
54
55
56
57
58
59
60
Counts
Chan #


61
62
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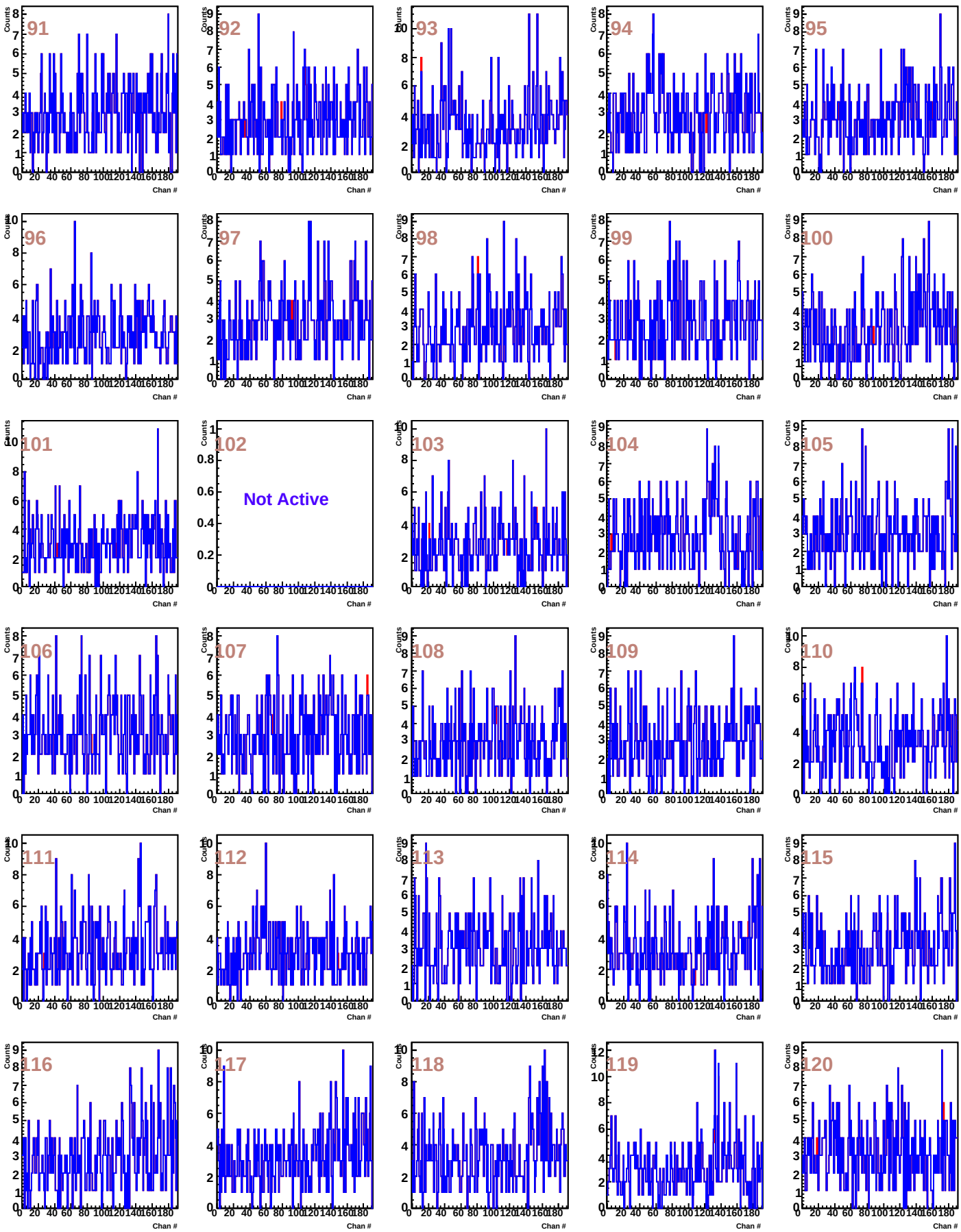
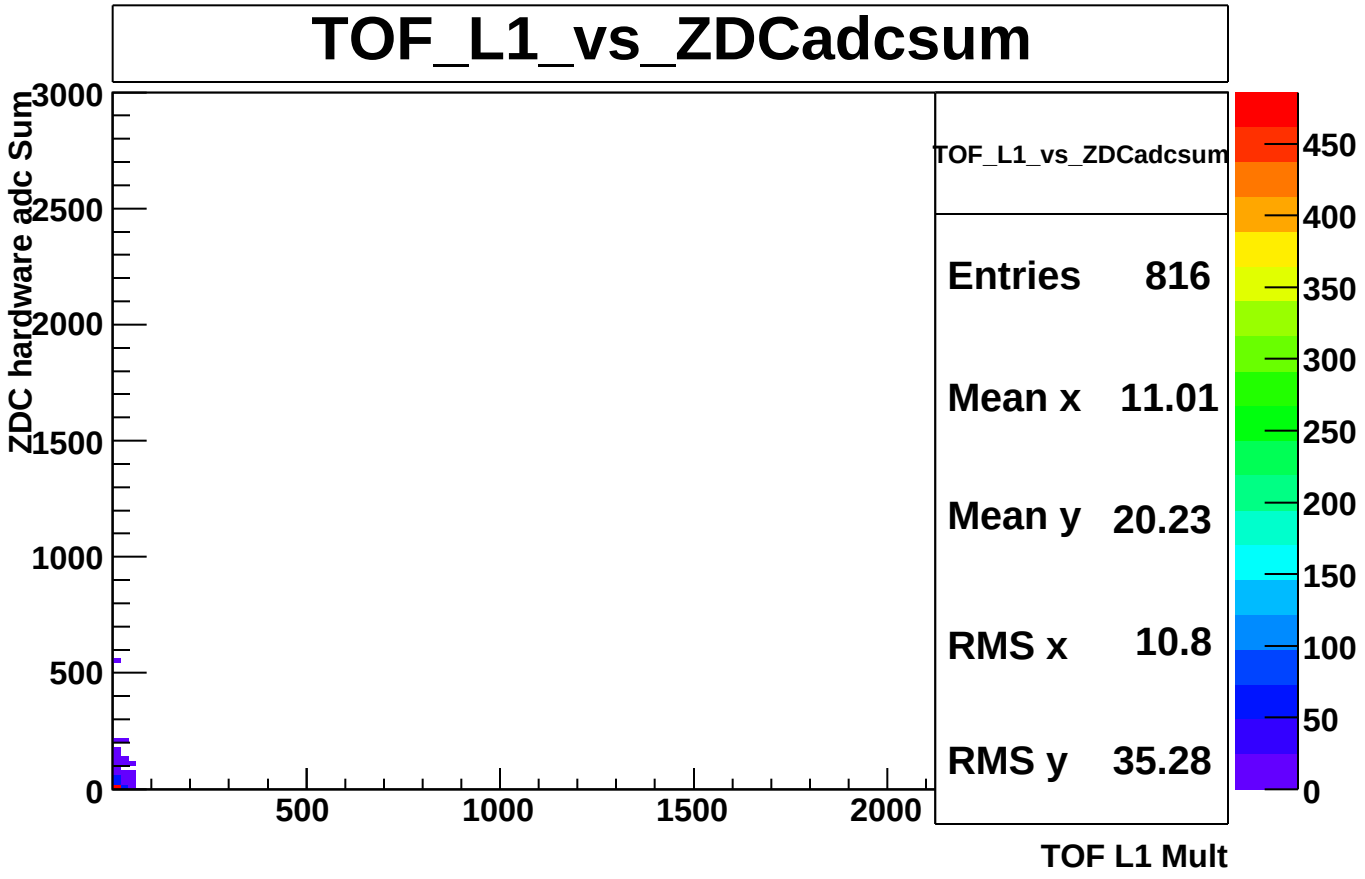
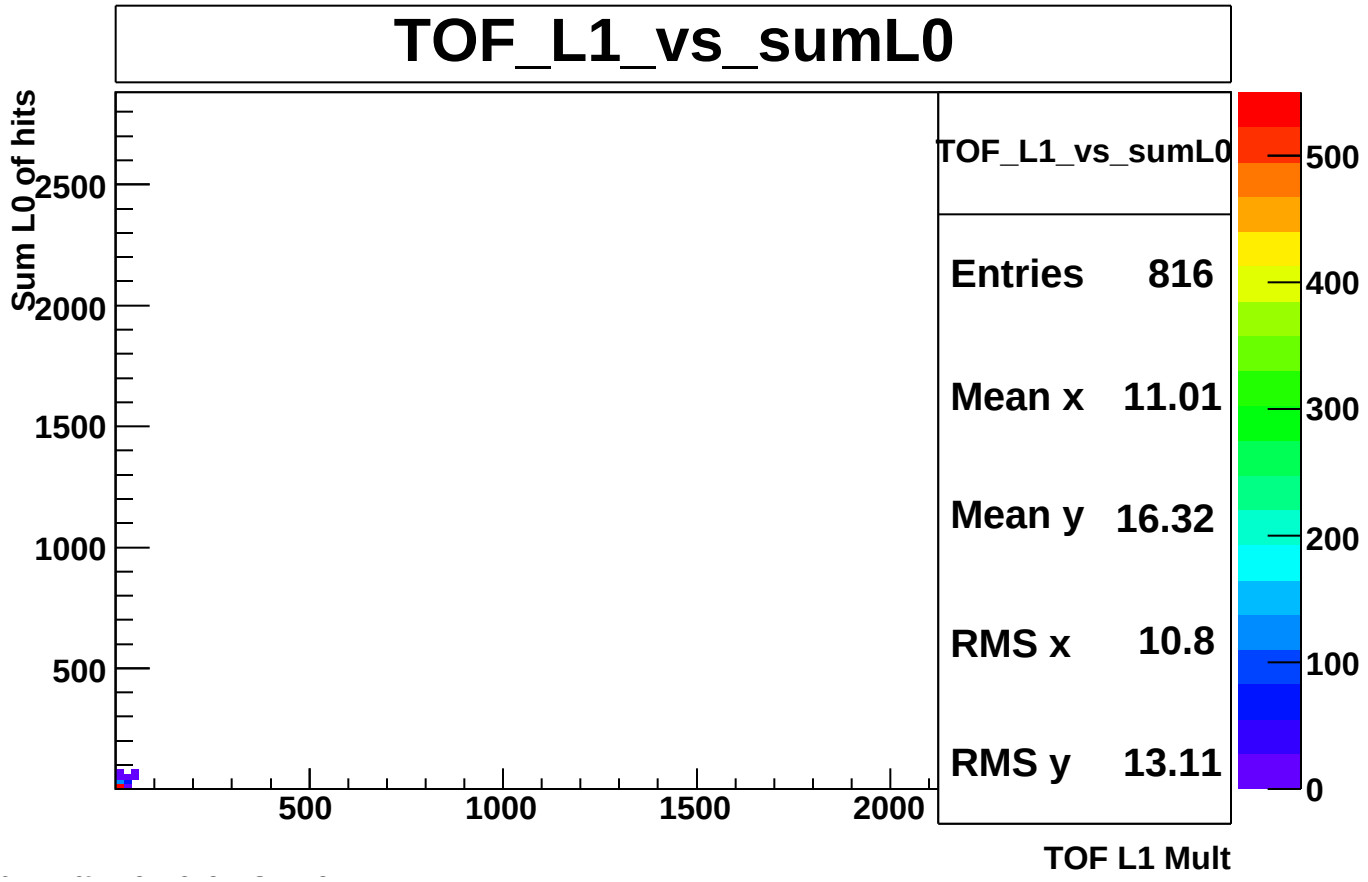
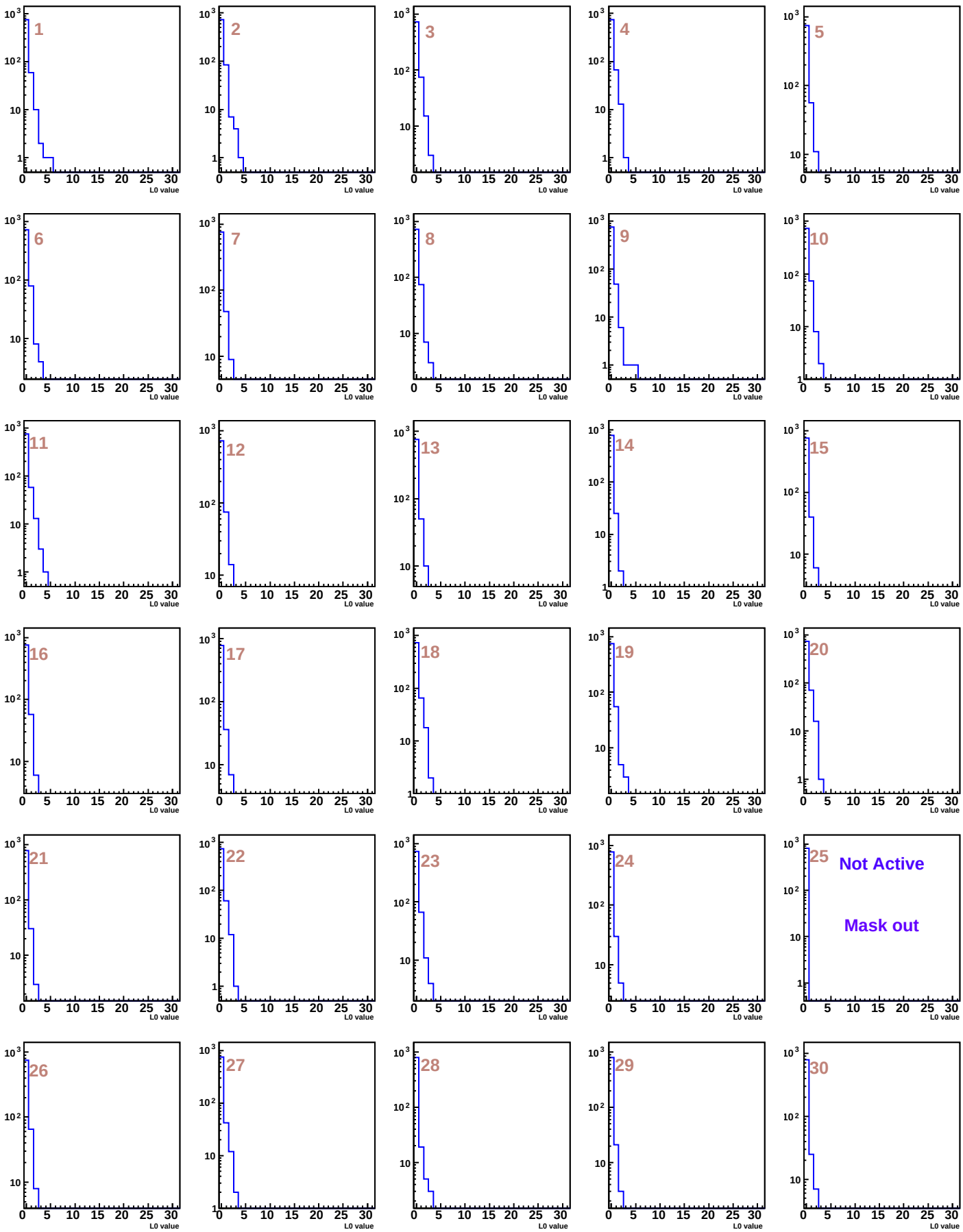
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
Counts
Chan #


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 816
Mean x 11.01
Mean y 20.23
RMS x 10.8
RMS y 35.28


TOF_L1_vs_sumL0
Sum L0 of hits
TOF L1 Mult
TOF_L1_vs_sumL0
Entries 816
Mean x 11.01
Mean y 16.32
RMS x 10.8
RMS y 13.11


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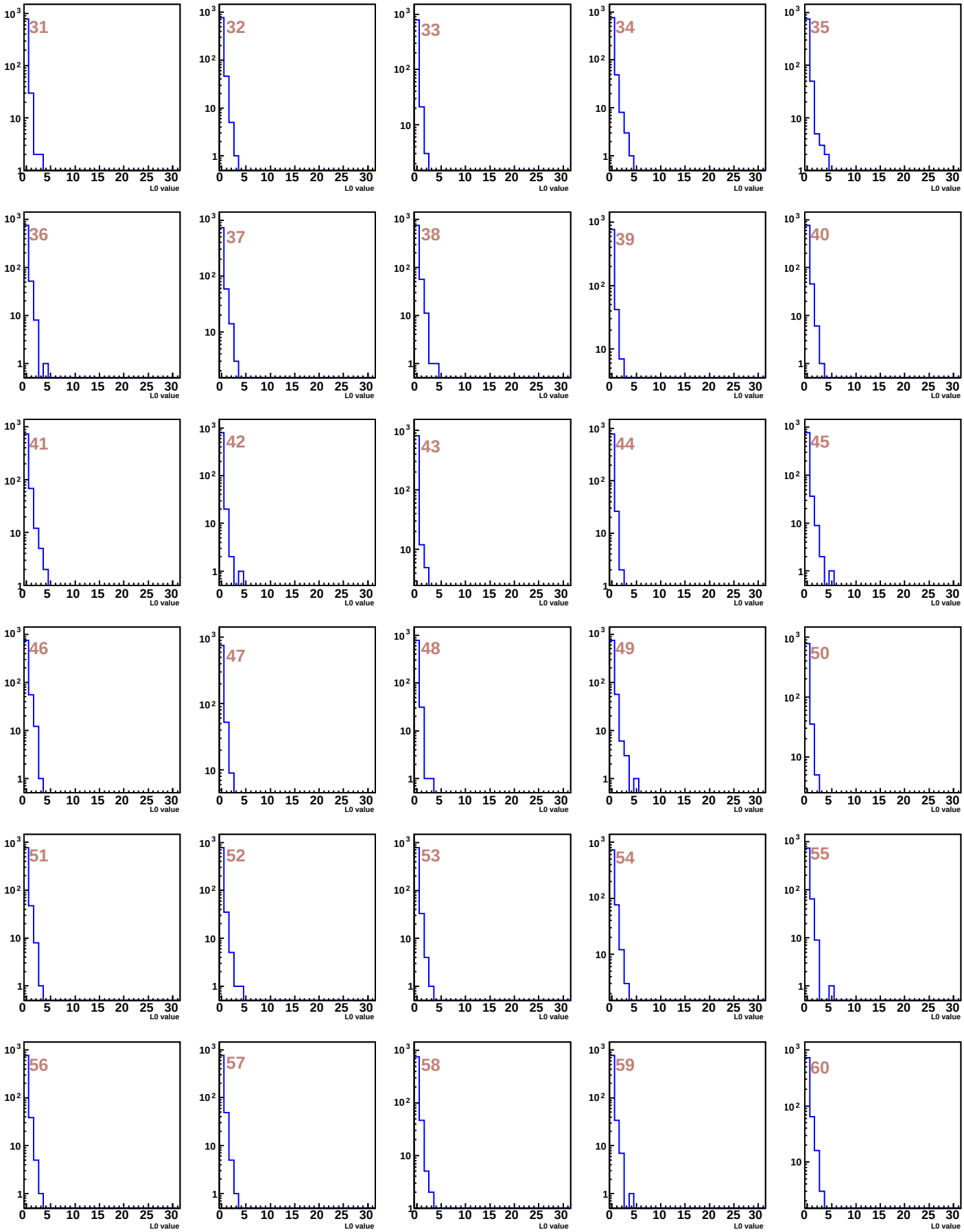
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value


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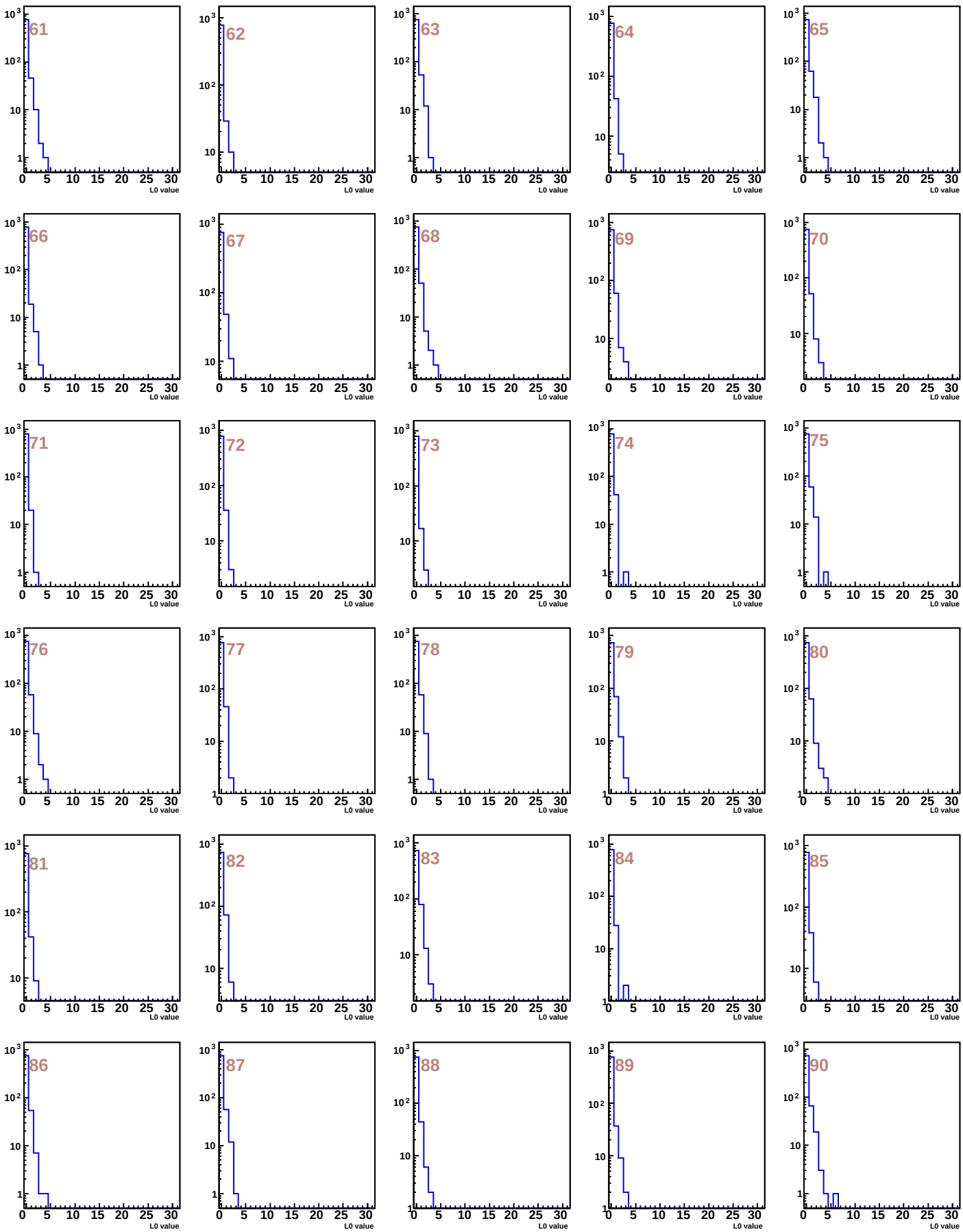
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
L0 value


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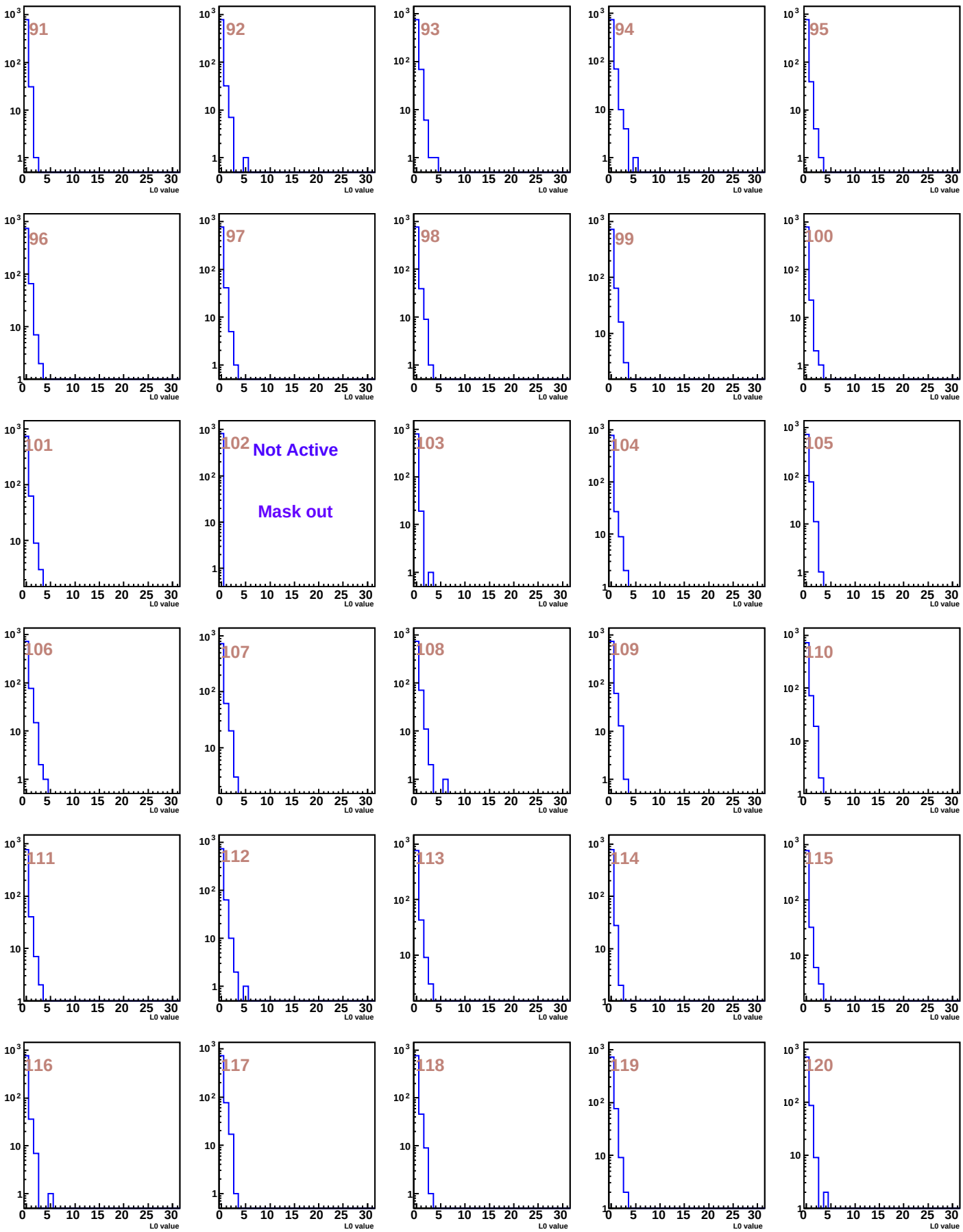
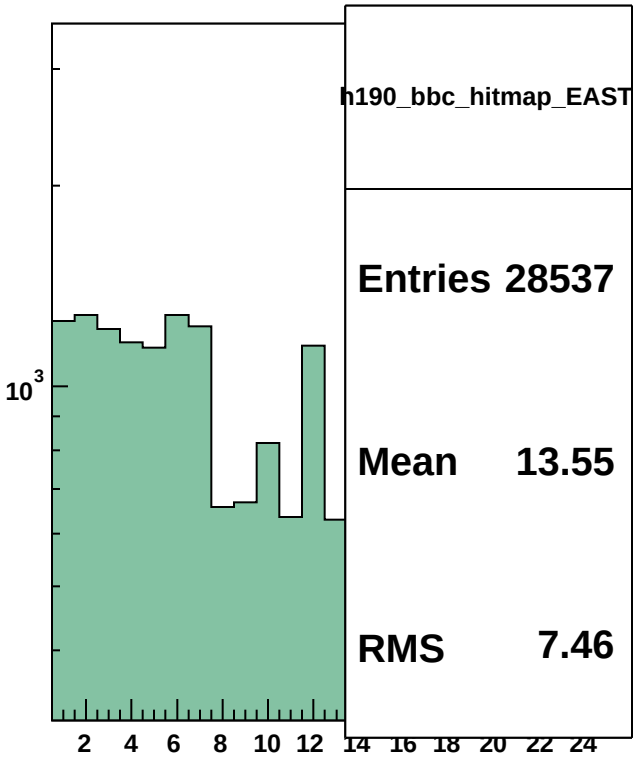
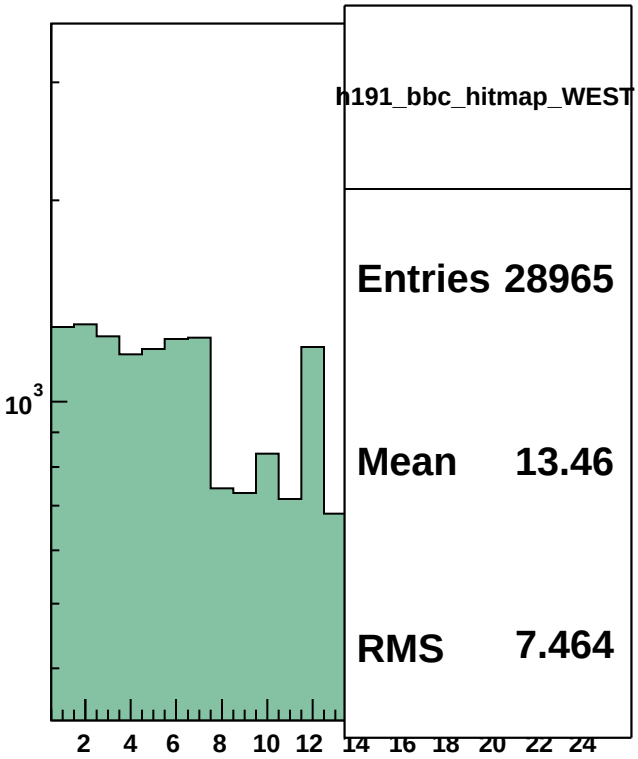
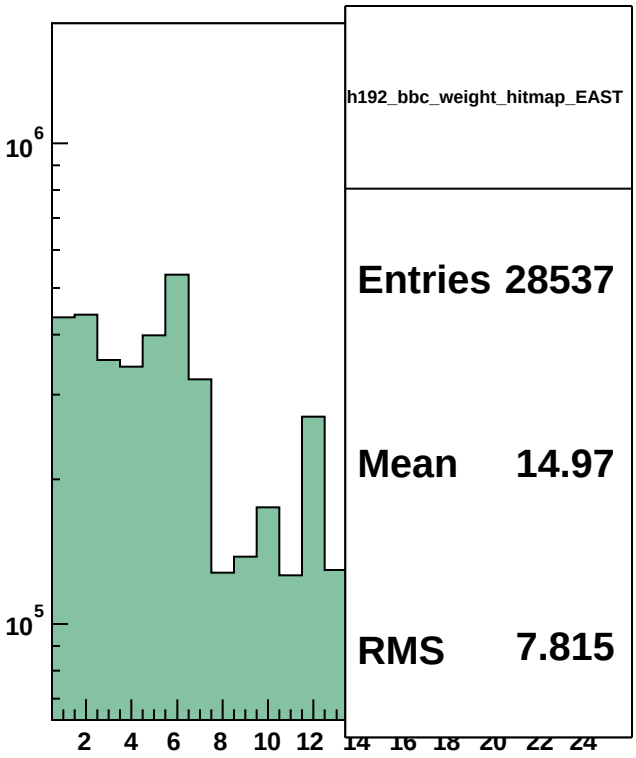
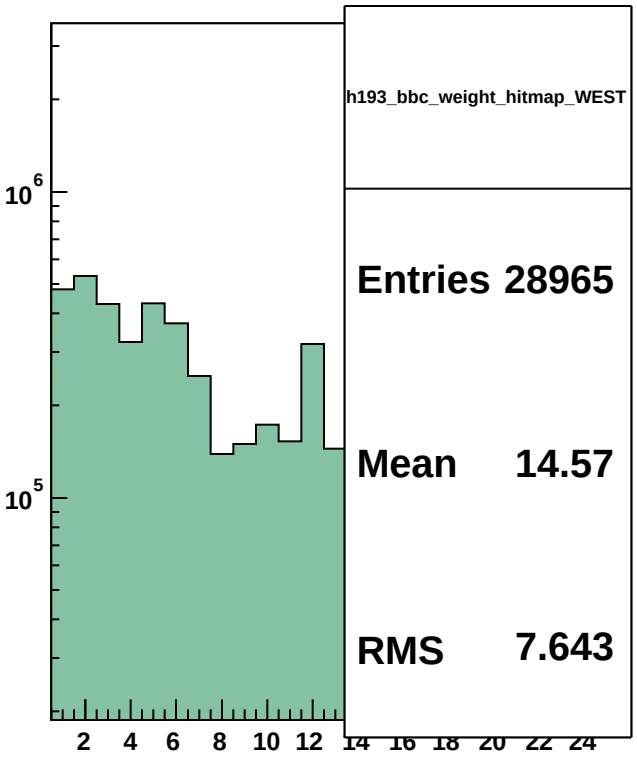
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
L0 value

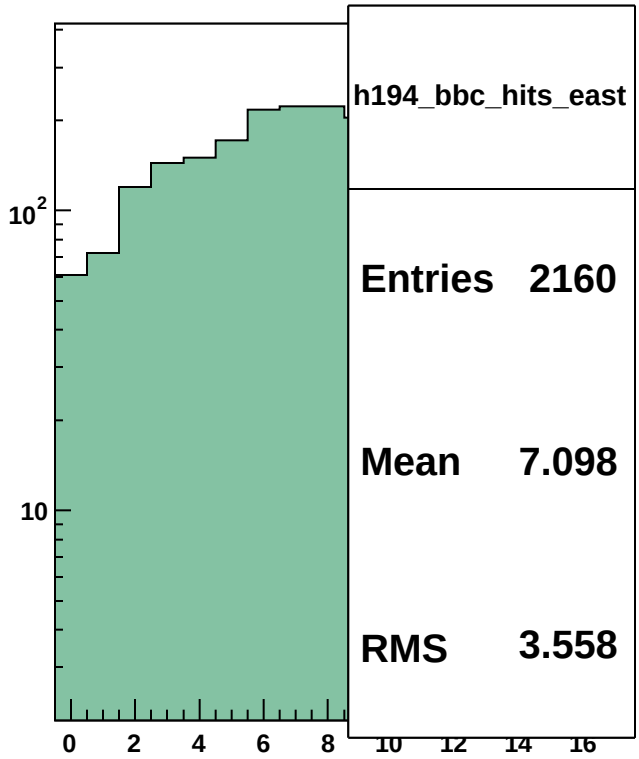

91
92
93
94
95
96
97
98
99
100
101
102
Not Active
Mask out
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

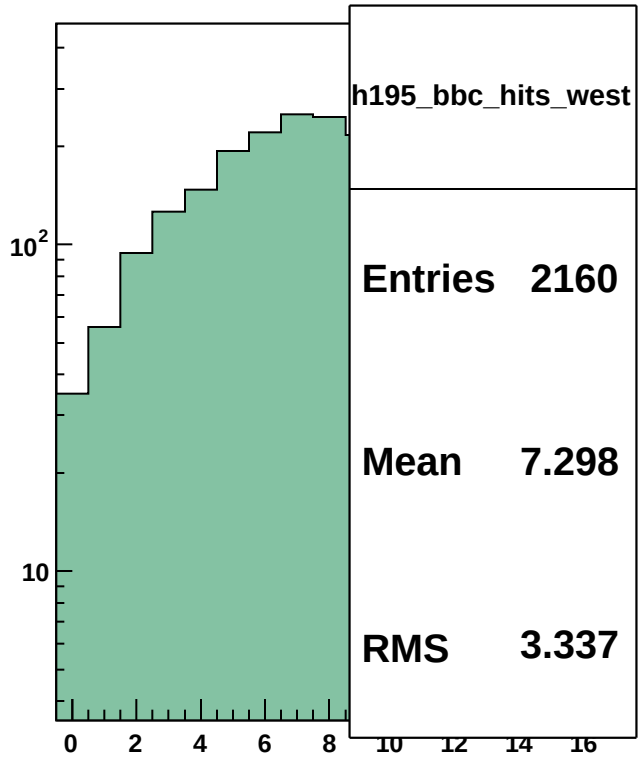

h190_bbc_hitmap_EAST
Entries 28537
Mean 13.55
RMS 7.46
10^3
2 4 6 8 10 12 14 16 18 20 22 24

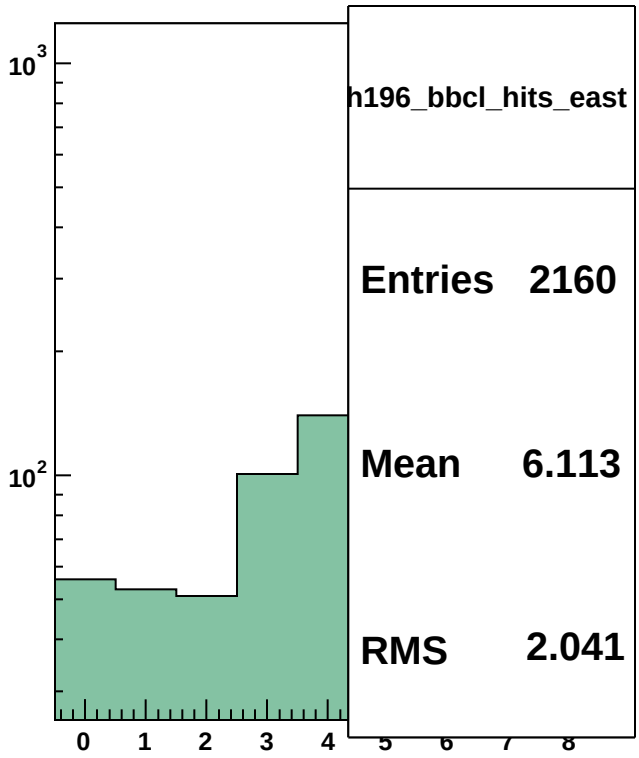

h191_bbc_hitmap_WEST
Entries 28965
Mean 13.46
RMS 7.464
10^3
2 4 6 8 10 12 14 16 18 20 22 24

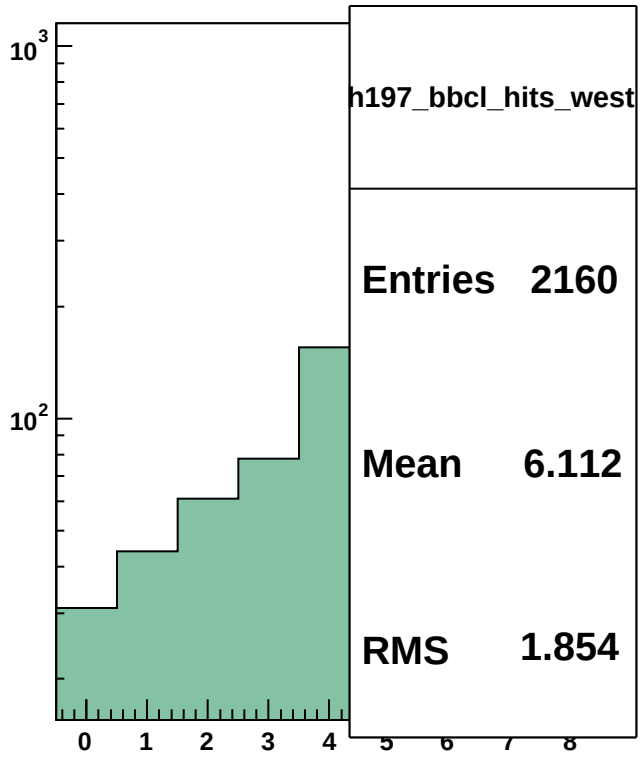

h192_bbc_weight_hitmap_EAST
Entries 28537
Mean 14.97
RMS 7.815
10^6
10^5
2 4 6 8 10 12 14 16 18 20 22 24

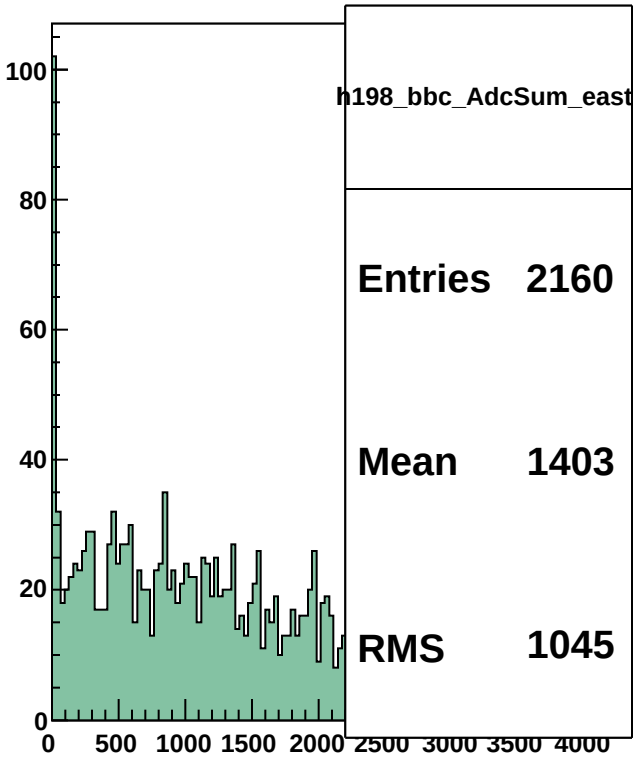

h193_bbc_weight_hitmap_WEST
Entries 28965
Mean 14.57
RMS 7.643
10^6
10^5
2 4 6 8 10 12 14 16 18 20 22 24

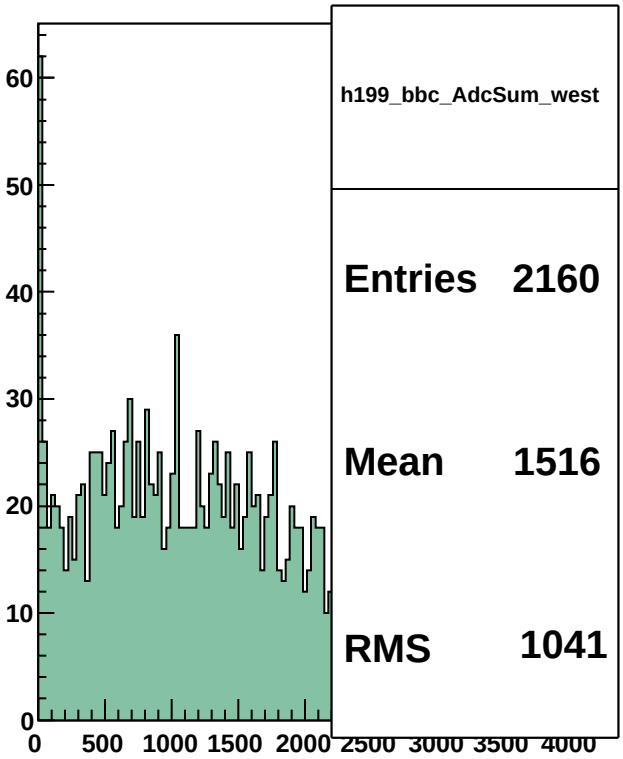

h194_bbc_hits_east
Entries 2160
Mean 7.098
RMS 3.558
10^2
10
0 2 4 6 8 10 12 14 16

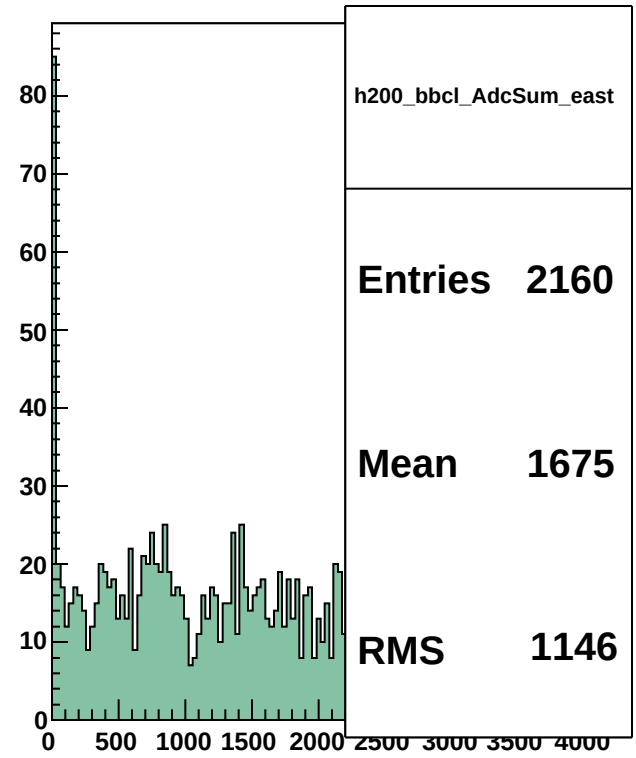

h195_bbc_hits_west
Entries 2160
Mean 7.298
RMS 3.337
10^2
10
0 2 4 6 8 10 12 14 16

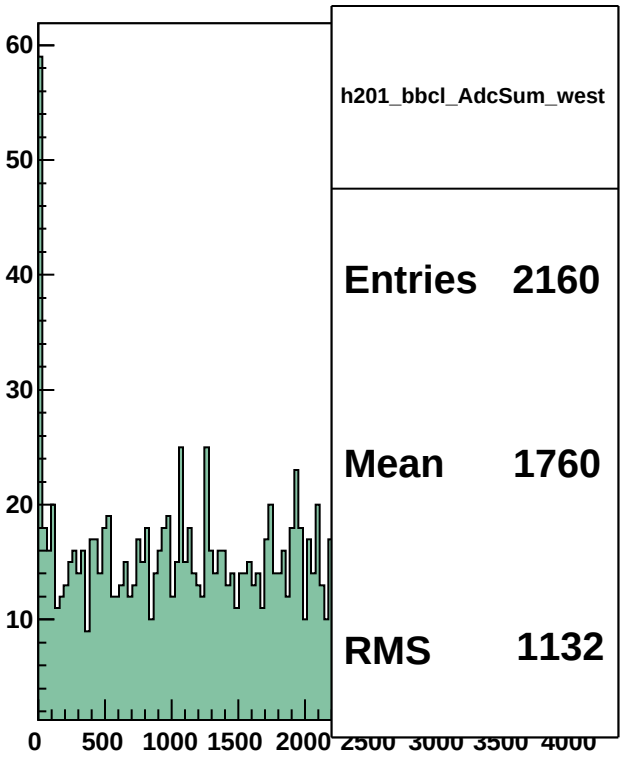

h196_bbcl_hits_east
Entries 2160
Mean 6.113
RMS 2.041
10^3
10^2
0 1 2 3 4 5 6 7 8

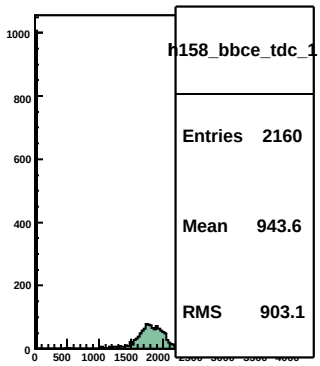

h197_bbcl_hits_west
Entries 2160
Mean 6.112
RMS 1.854
10^3
10^2
0 1 2 3 4 5 6 7 8

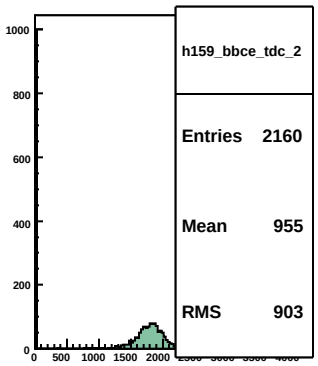

h198_bbc_AdcSum_east
Entries 2160
Mean 1403
RMS 1045

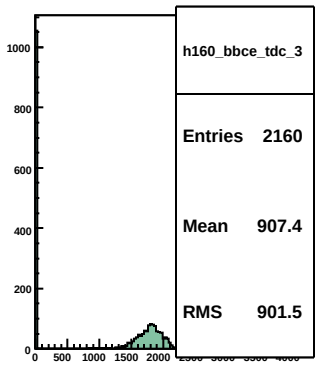

h199_bbc_AdcSum_west
Entries 2160
Mean 1516
RMS 1041

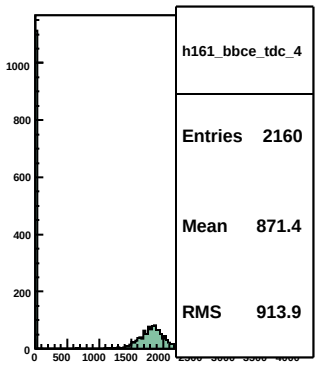

h200_bbcl_AdcSum_east
Entries 2160
Mean 1675
RMS 1146

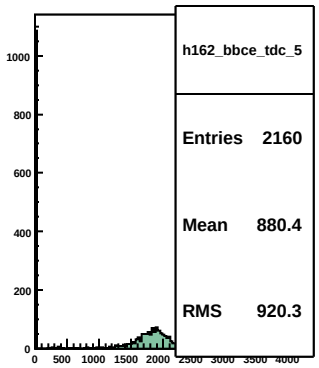

h201_bbcl_AdcSum_west
Entries 2160
Mean 1760
RMS 1132

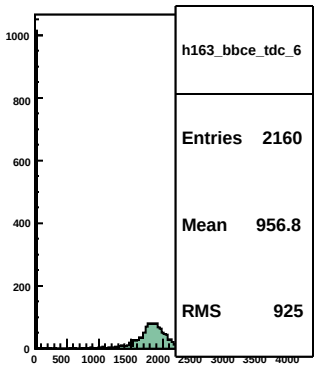

h158_bbce_tdc_1
Entries 2160
Mean 943.6
RMS 903.1

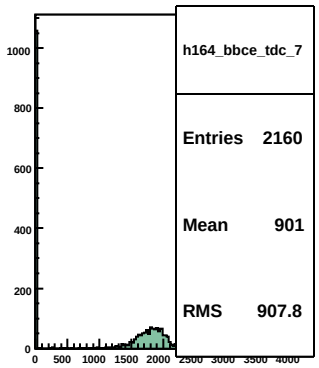

h159_bbce_tdc_2
Entries 2160
Mean 955
RMS 903

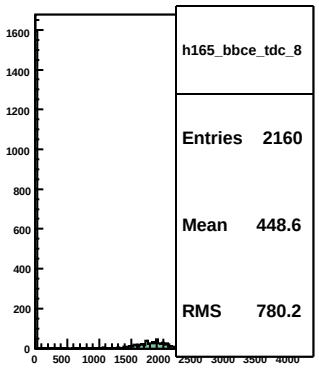

h160_bbce_tdc_3
Entries 2160
Mean 907.4
RMS 901.5

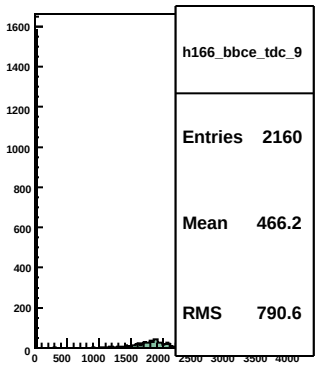

h161_bbce_tdc_4
Entries 2160
Mean 871.4
RMS 913.9

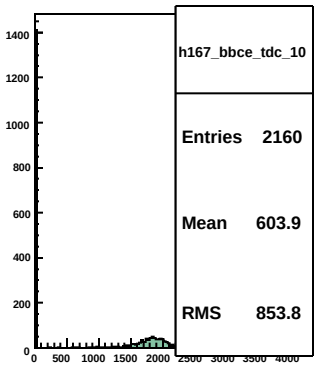

h162_bbce_tdc_5
Entries 2160
Mean 880.4
RMS 920.3

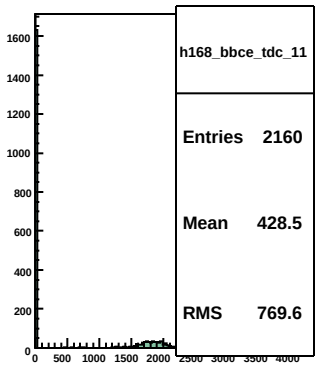

h163_bbce_tdc_6
Entries 2160
Mean 956.8
RMS 925

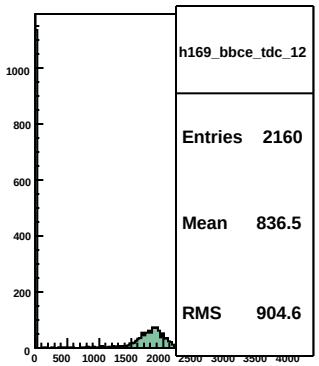

h164_bbce_tdc_7
Entries 2160
Mean 901
RMS 907.8

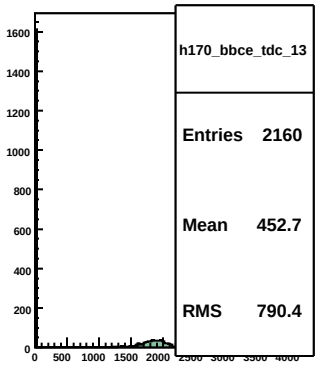

h165_bbce_tdc_8
Entries 2160
Mean 448.6
RMS 780.2

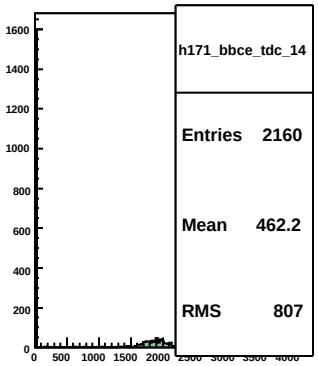

h166_bbce_tdc_9
Entries 2160
Mean 466.2
RMS 790.6

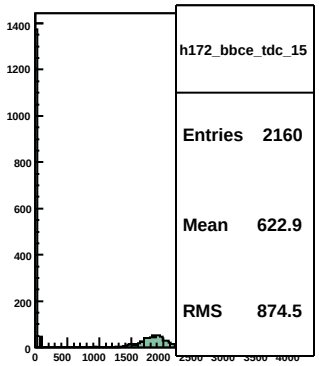

h167_bbce_tdc_10
Entries 2160
Mean 603.9
RMS 853.8

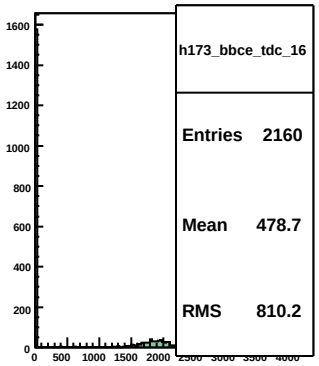

h168_bbce_tdc_11
Entries 2160
Mean 428.5
RMS 769.6

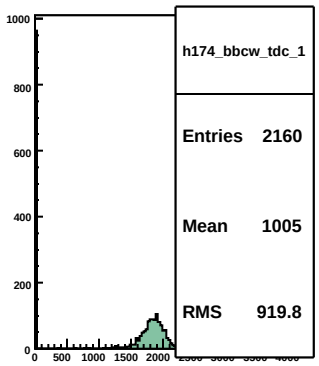

h169_bbce_tdc_12
Entries 2160
Mean 836.5
RMS 904.6

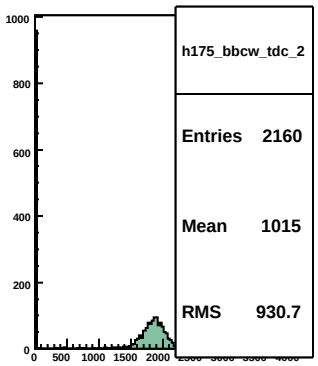

h170_bbce_tdc_13
Entries 2160
Mean 452.7
RMS 790.4

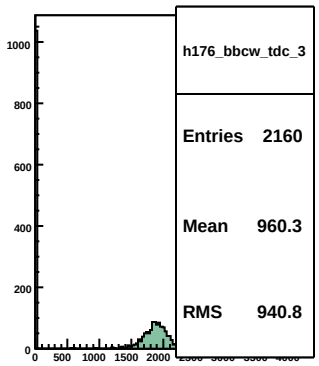

h171_bbce_tdc_14
Entries 2160
Mean 462.2
RMS 807

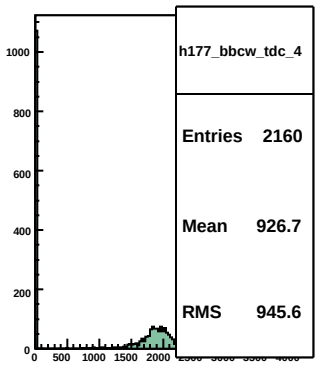

h172_bbce_tdc_15
Entries 2160
Mean 622.9
RMS 874.5


h173_bbce_tdc_16
Entries 2160
Mean 478.7
RMS 810.2


h174_bbcw_tdc_1
Entries 2160
Mean 1005
RMS 919.8


h175_bbcw_tdc_2
Entries 2160
Mean 1015
RMS 930.7


h176_bbcw_tdc_3
Entries 2160
Mean 960.3
RMS 940.8


h177_bbcw_tdc_4
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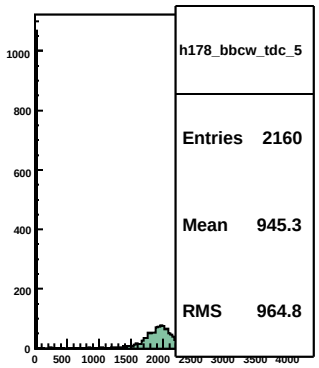
Mean 926.7
RMS 945.6


h178_bbcw_tdc_5
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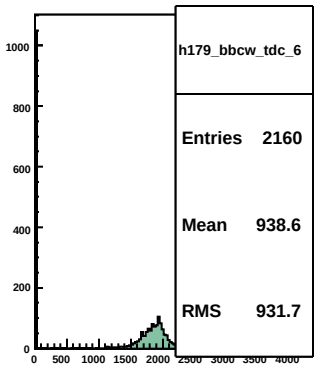
RMS 964.8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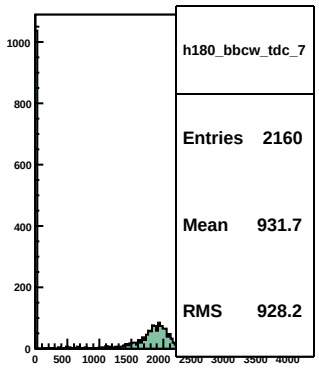
Entries 2160
Mean 938.6
RMS 931.7


h180_bbcw_tdc_7
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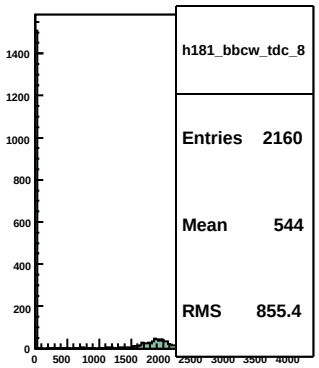
Mean 931.7
RMS 928.2


h181_bbcw_tdc_8
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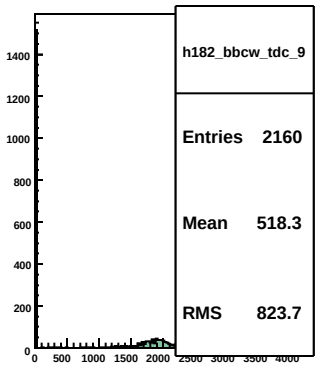
Mean 544
RMS 855.4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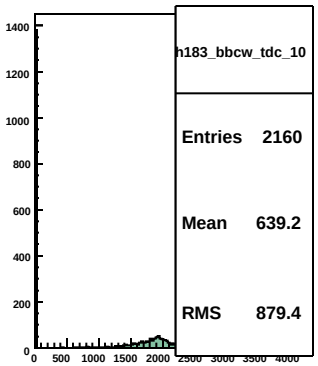
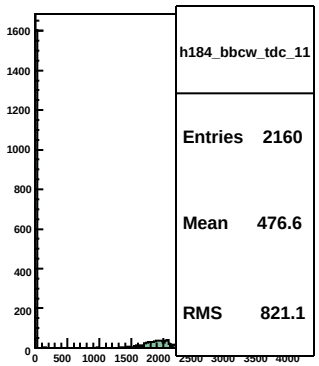
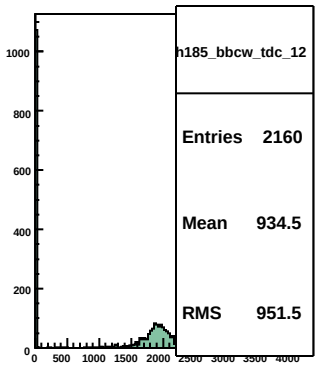
Mean 518.3
RMS 823.7


h183_bbcw_tdc_10
Entries 2160
Mean 639.2
RMS 879.4


h184_bbcw_tdc_11
Entries 2160
Mean 476.6
RMS 821.1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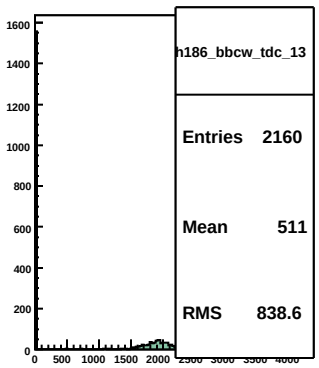
RMS 951.5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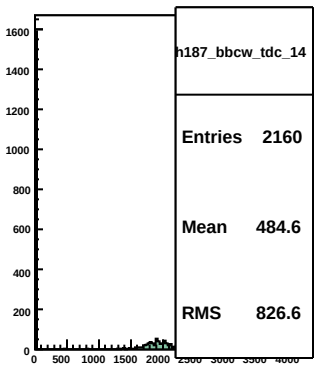
Entries 2160
Mean 511
RMS 838.6


h187_bbcw_tdc_14
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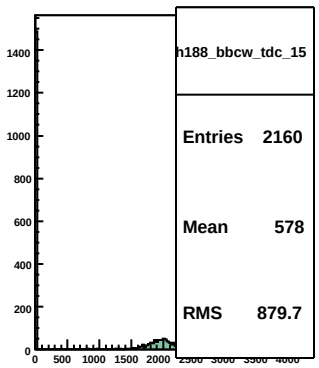
Mean 484.6
RMS 826.6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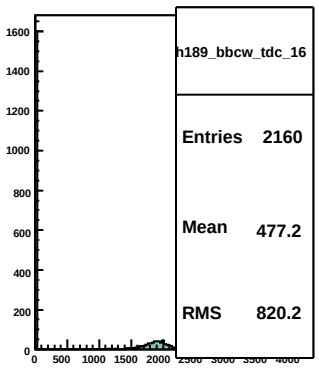
Entries 2160
Mean 578
RMS 879.7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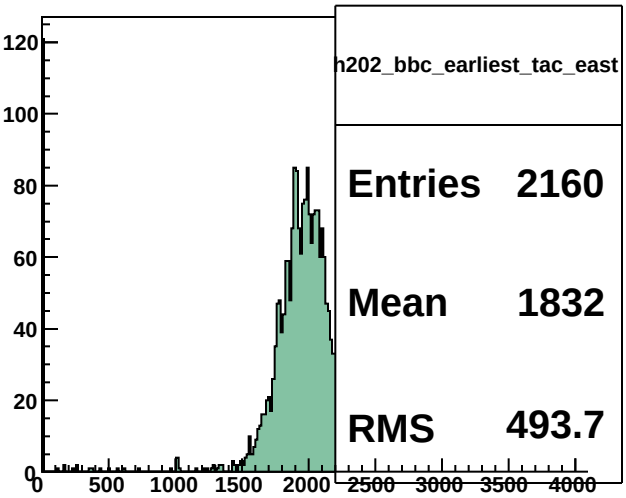
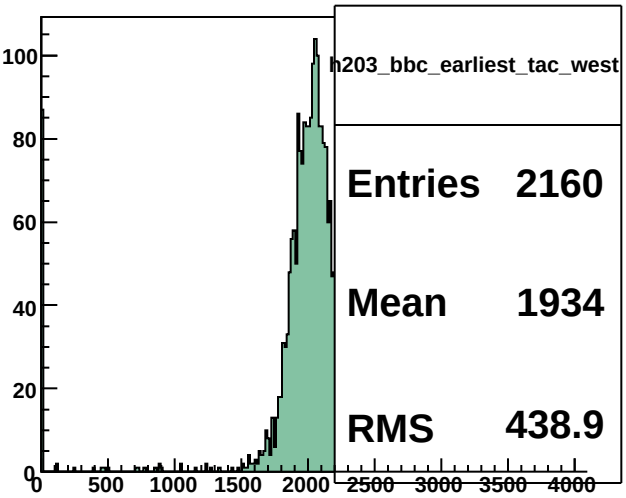
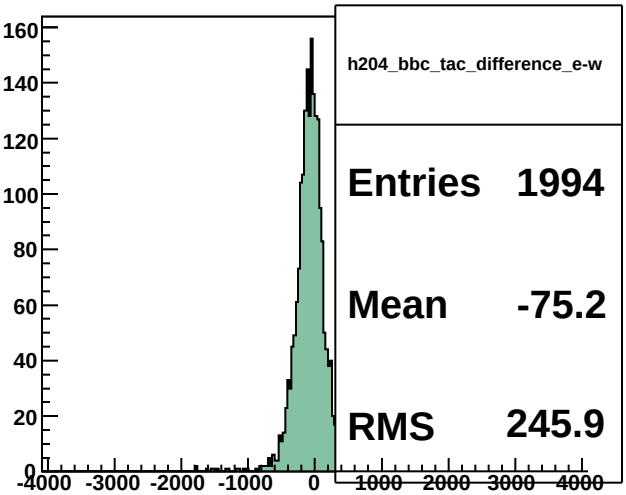
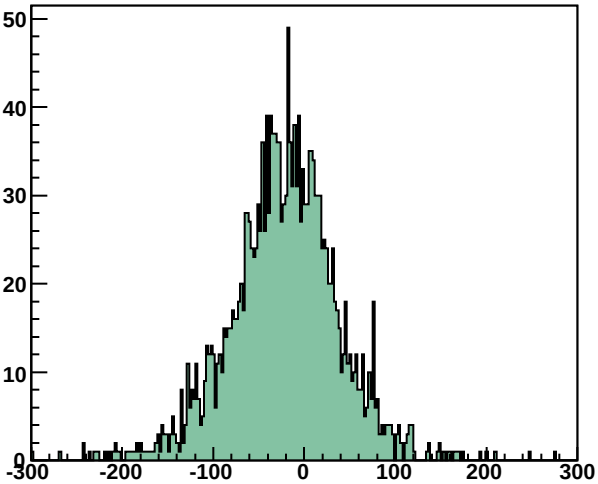
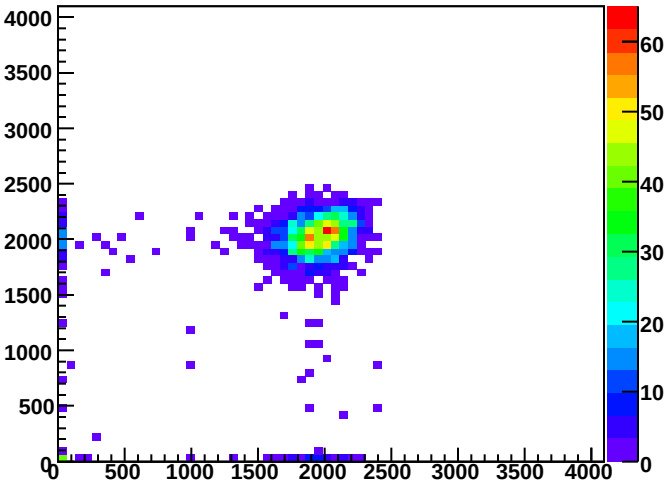
Entries 2160
Mean 477.2
RMS 820.2

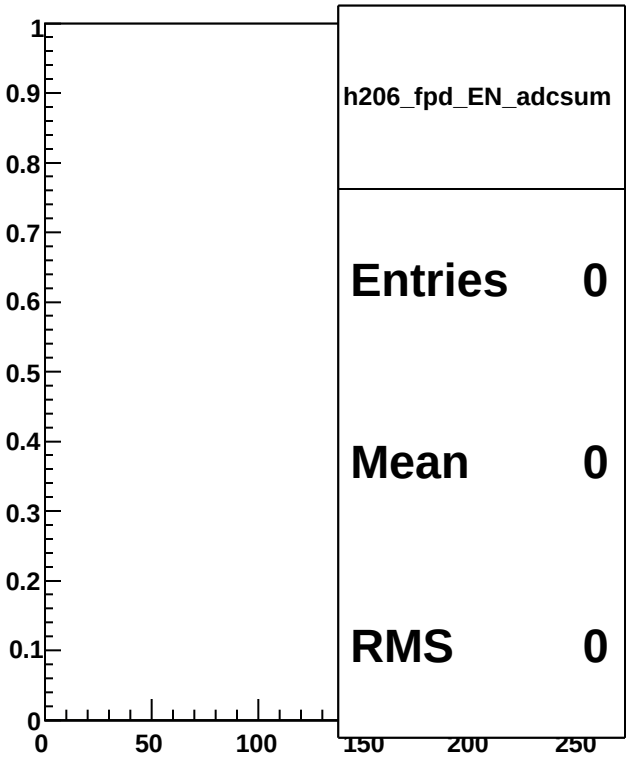

h202_bbc_earliest_tac_east
Entries 2160
Mean 1832
RMS 493.7

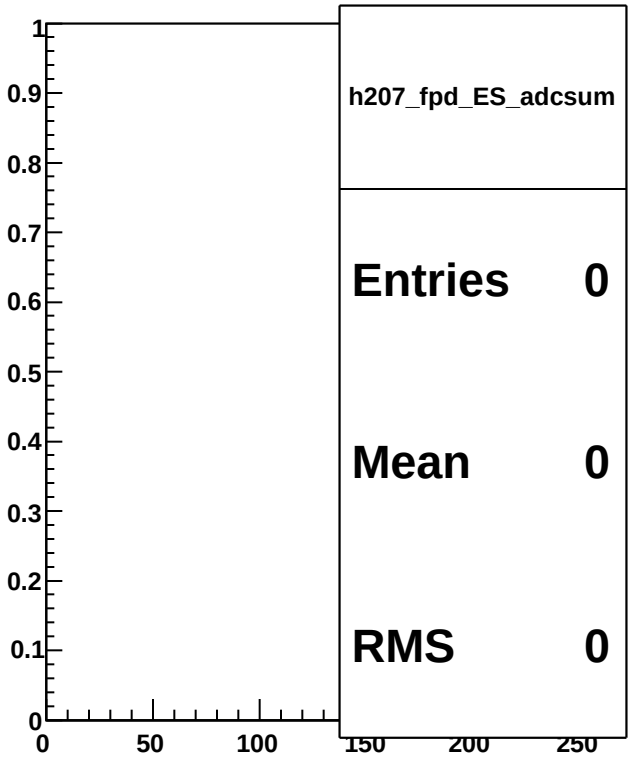

h203_bbc_earliest_tac_west
Entries 2160
Mean 1934
RMS 438.9


h204_bbc_tac_difference_e-w
Entries 1994
Mean -75.2
RMS 245.9






h206_fpd_EN_adcsum
Entries 0
Mean 0
RMS 0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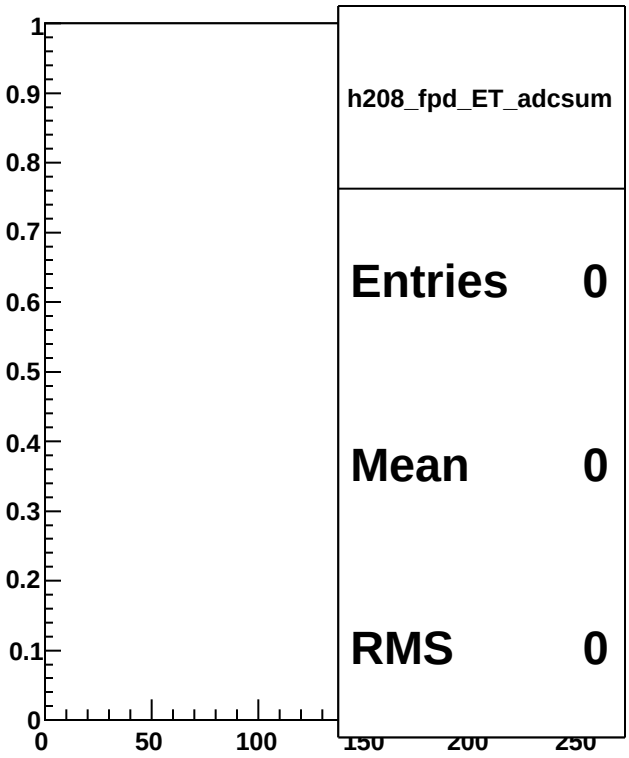
Entries 0
Mean 0
RMS 0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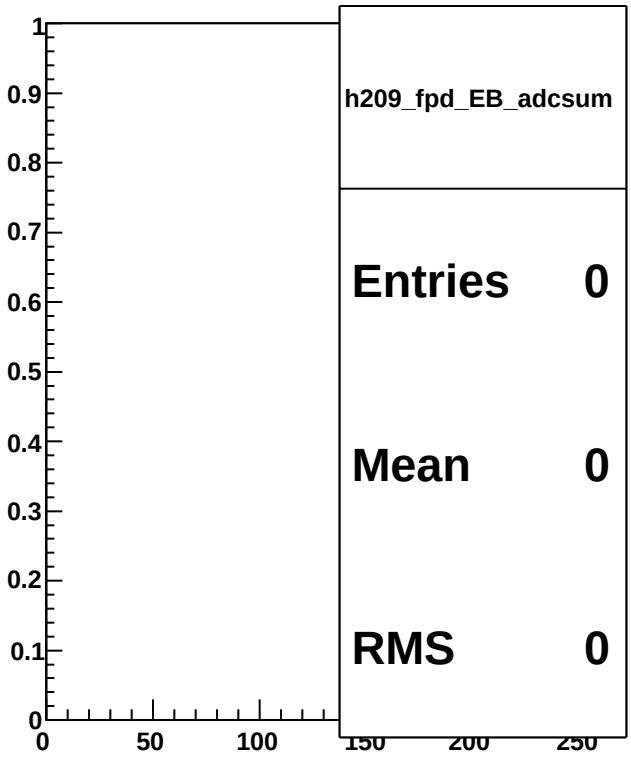
RMS 0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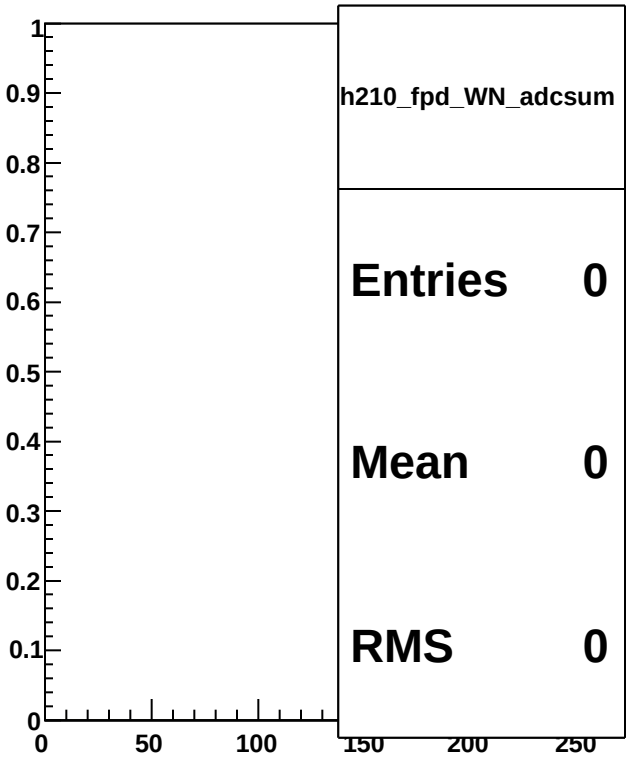
RMS 0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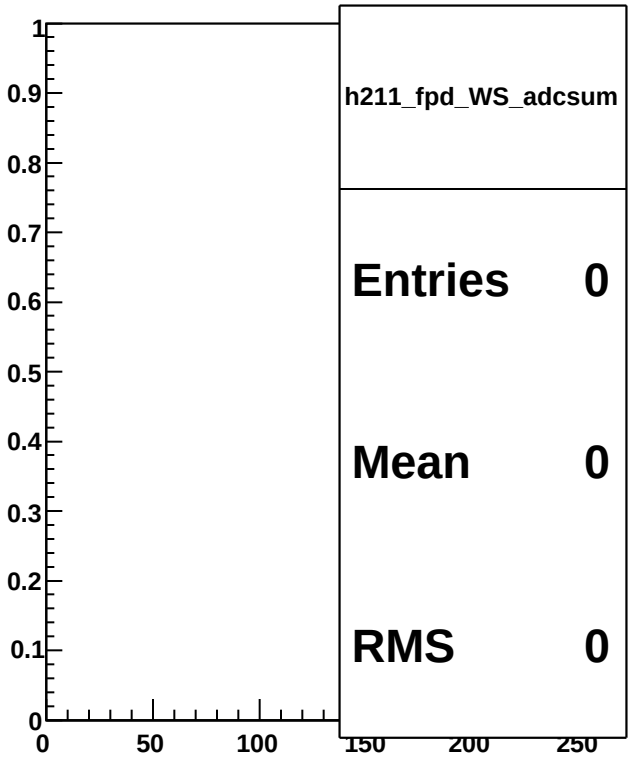
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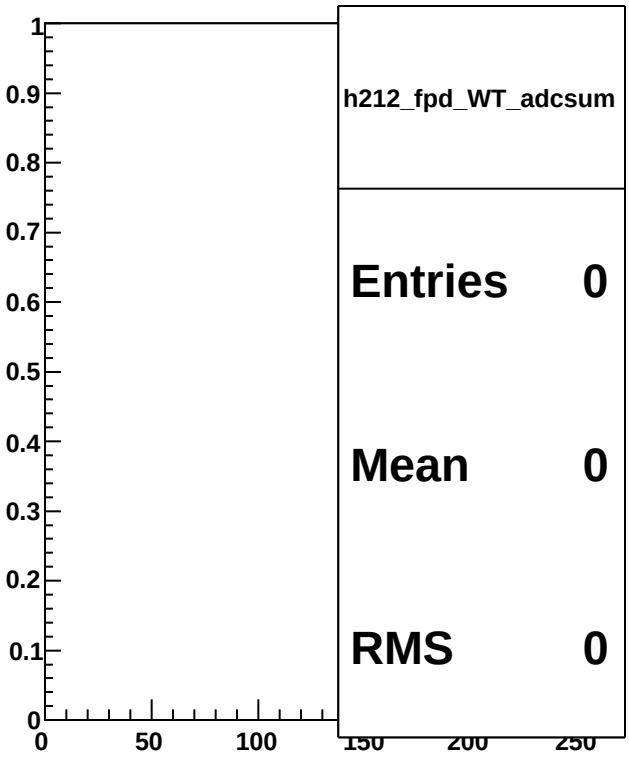
RMS 0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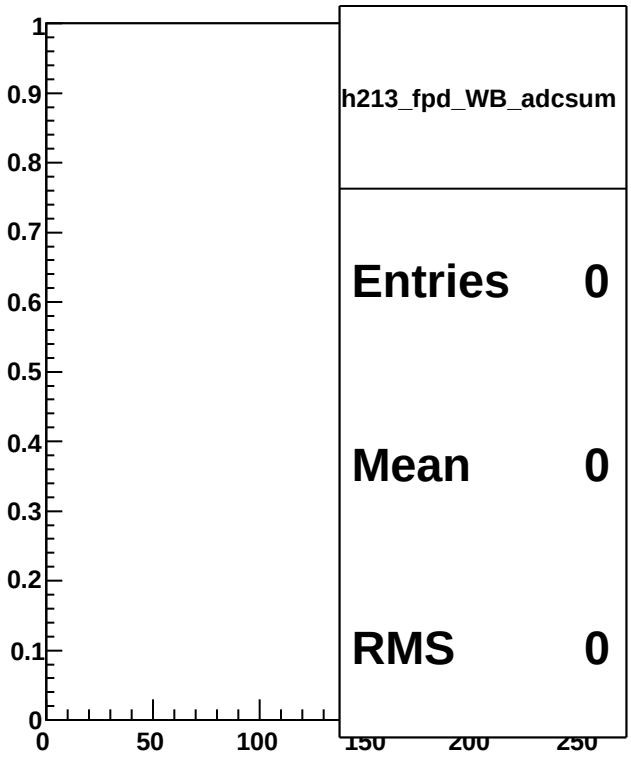
Mean 0
RMS 0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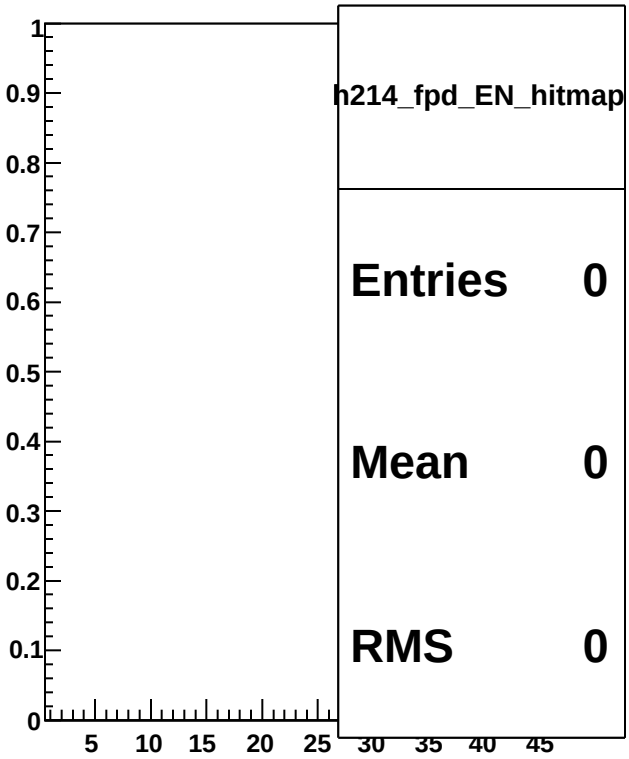
RMS 0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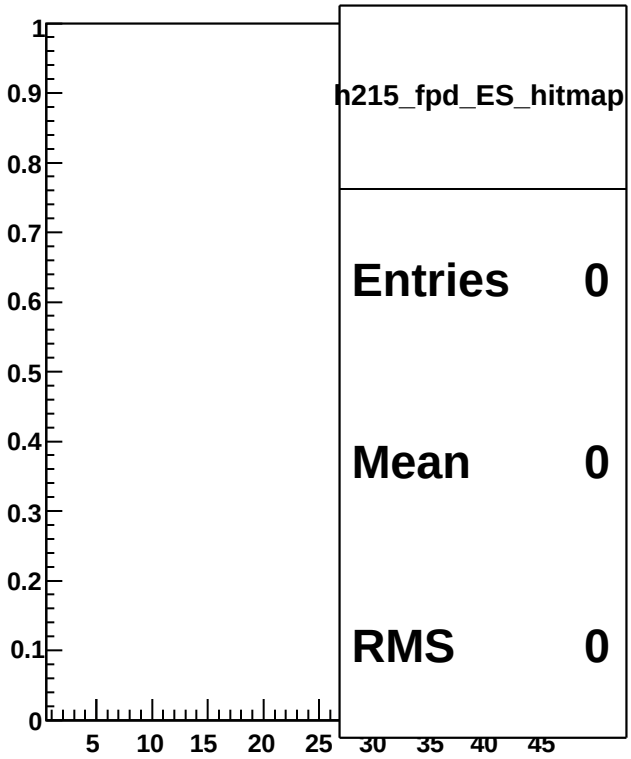
RMS 0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Entries 0
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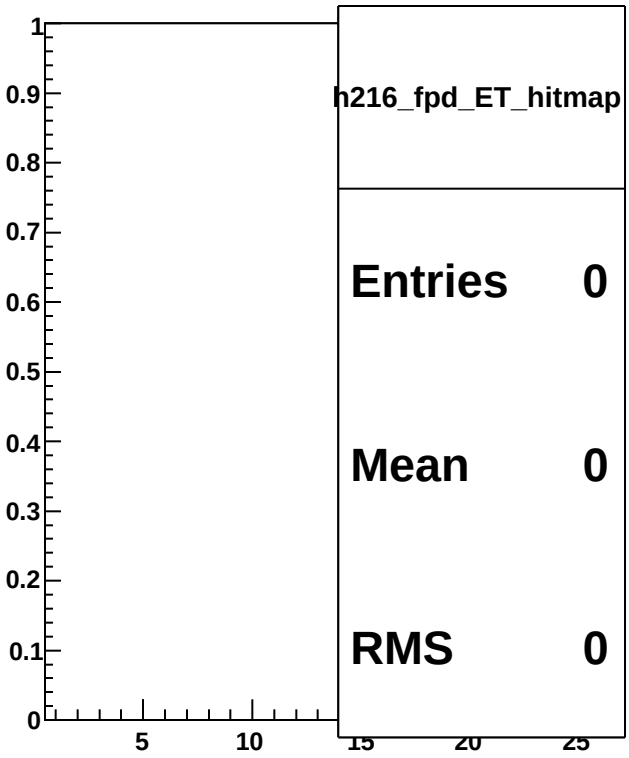
RMS 0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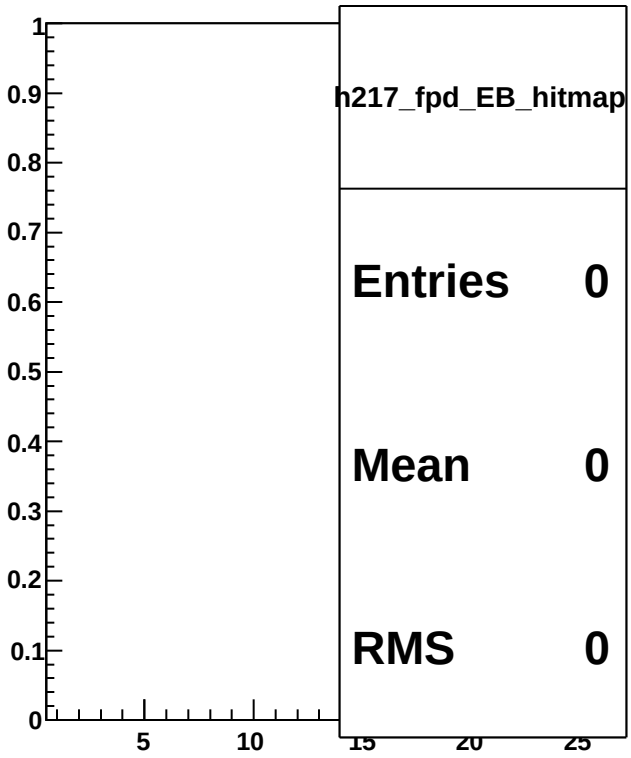
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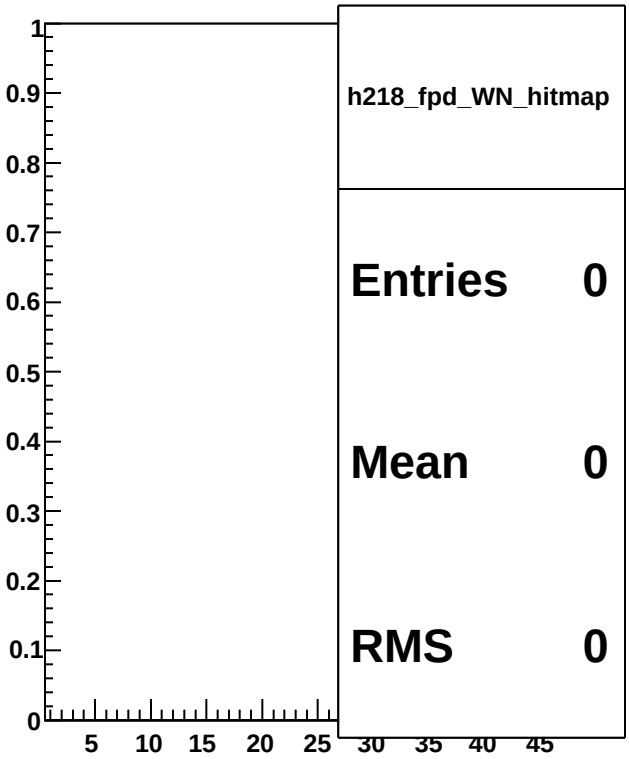
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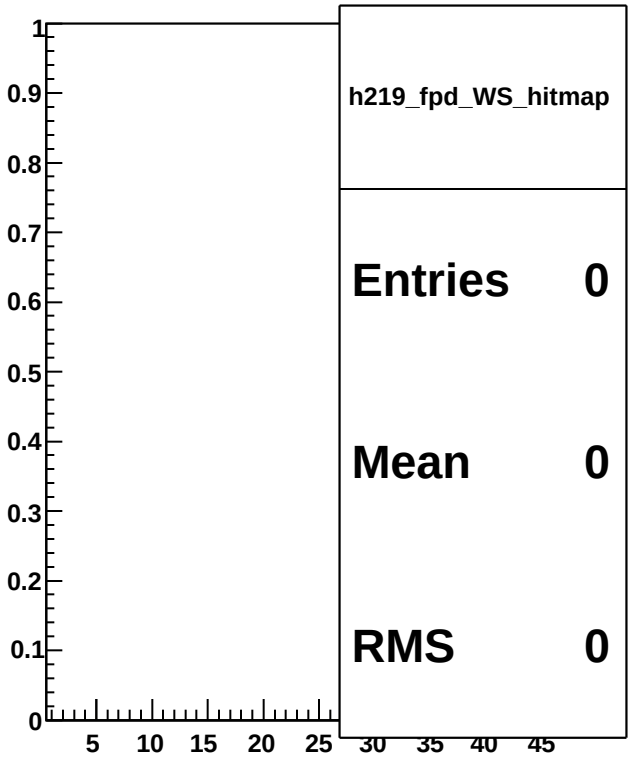
RMS 0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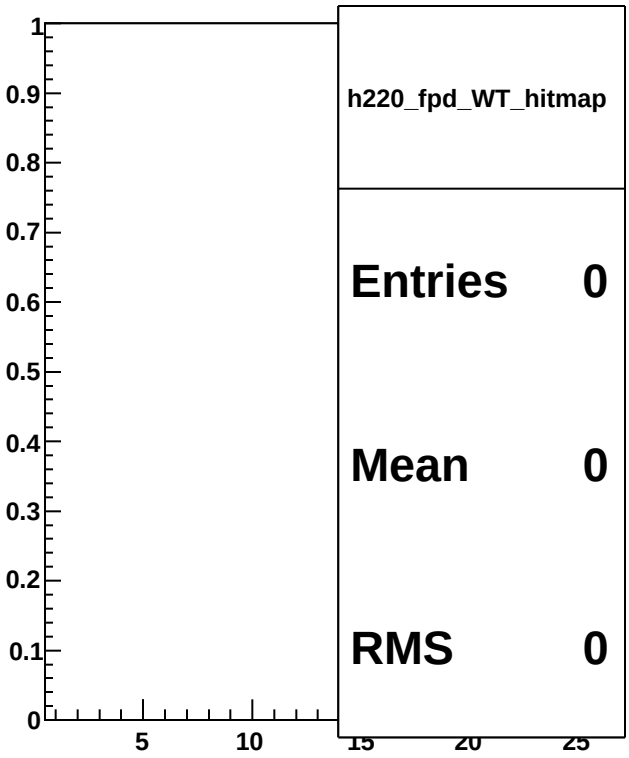
RMS 0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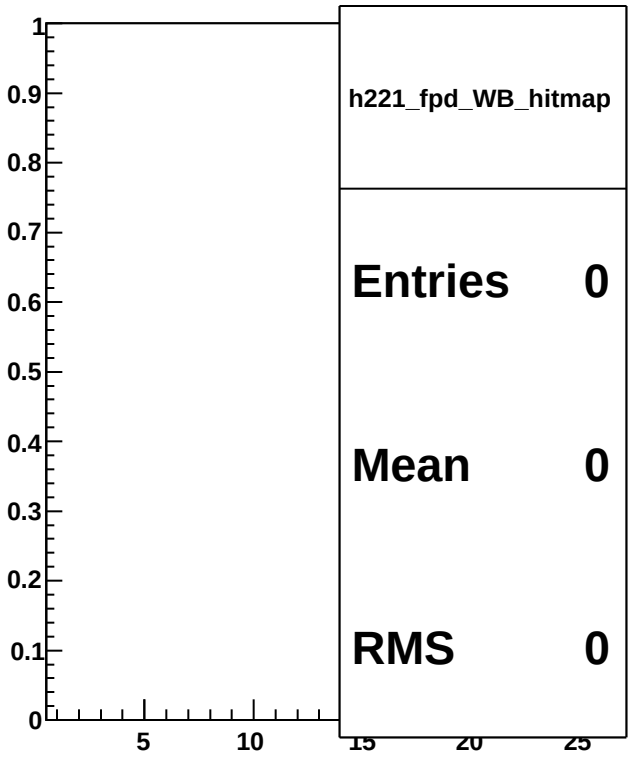
RMS 0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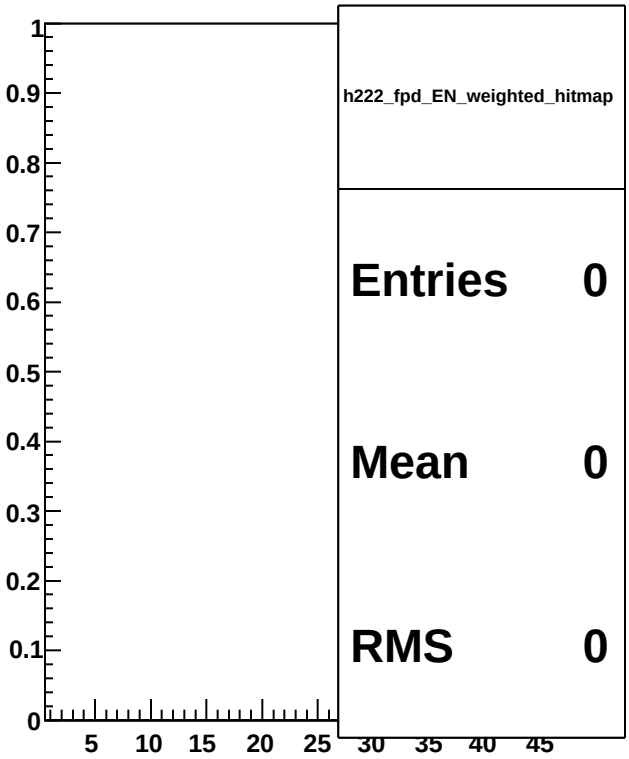
RMS 0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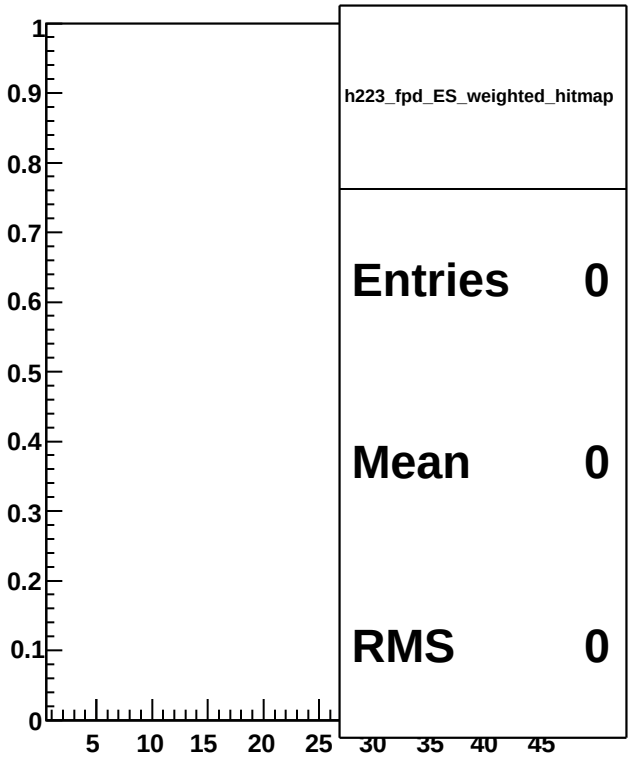
Mean 0
RMS 0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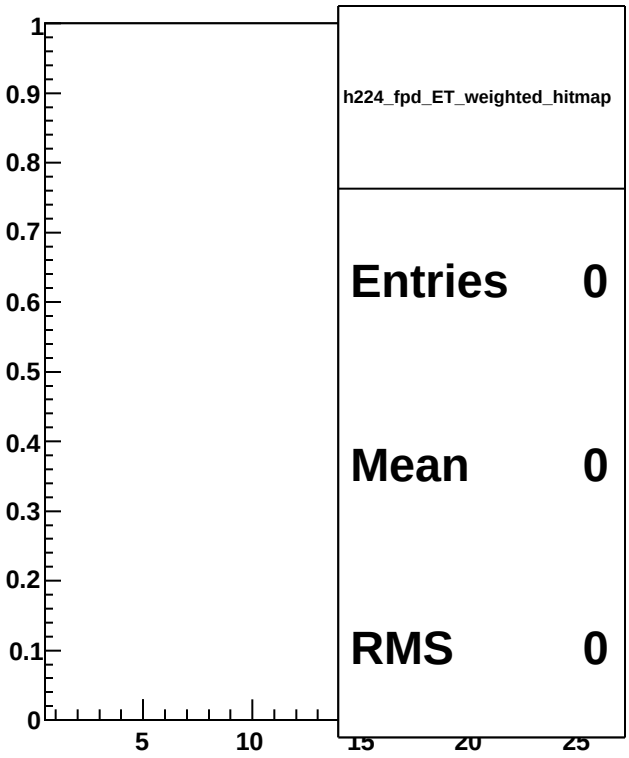
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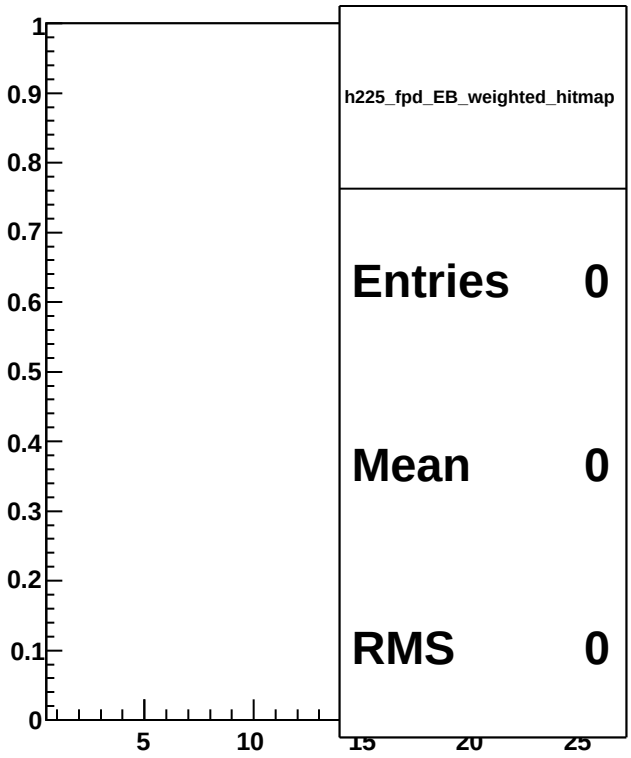
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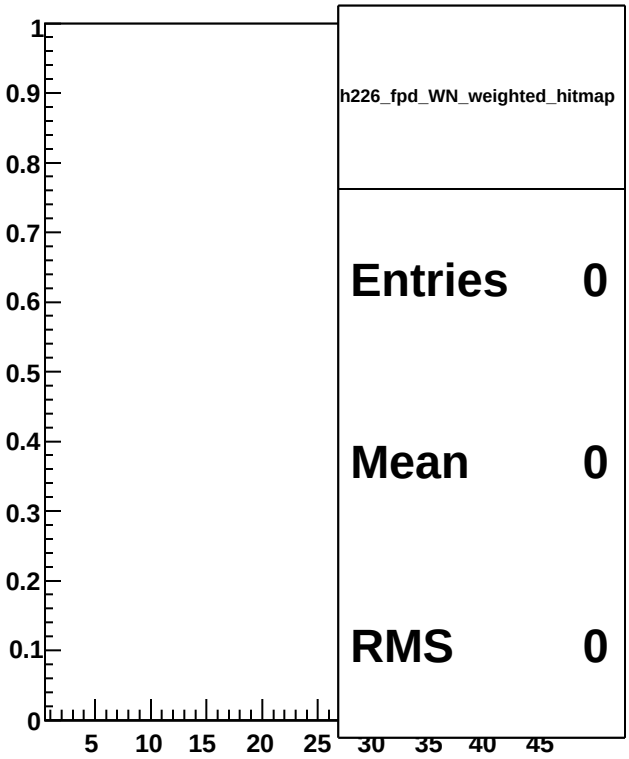
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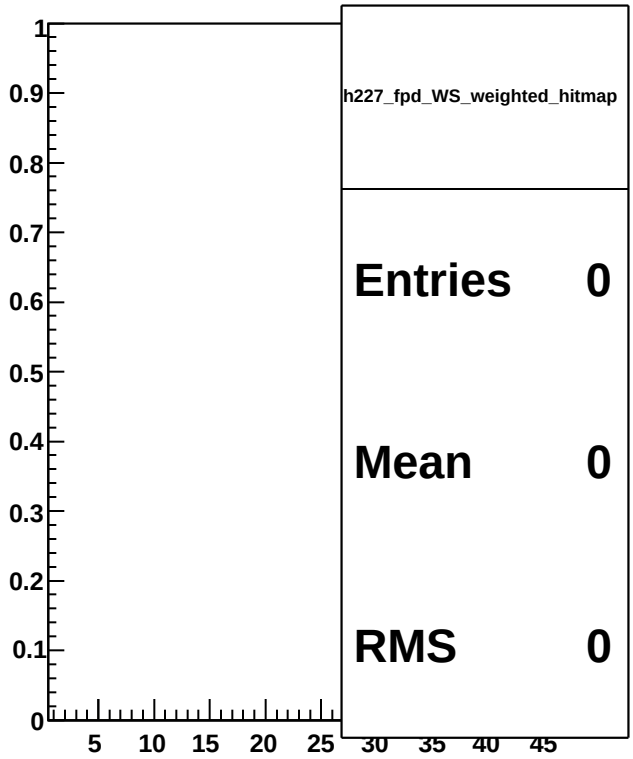
RMS 0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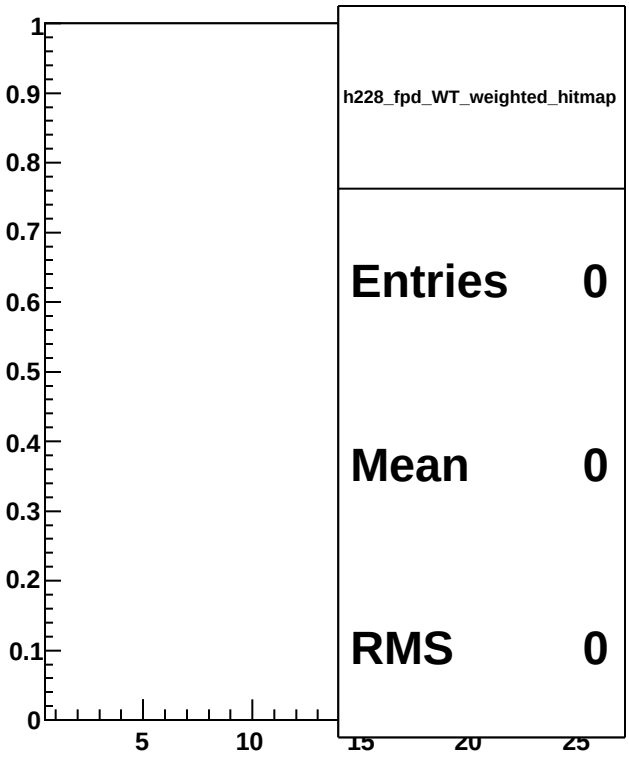
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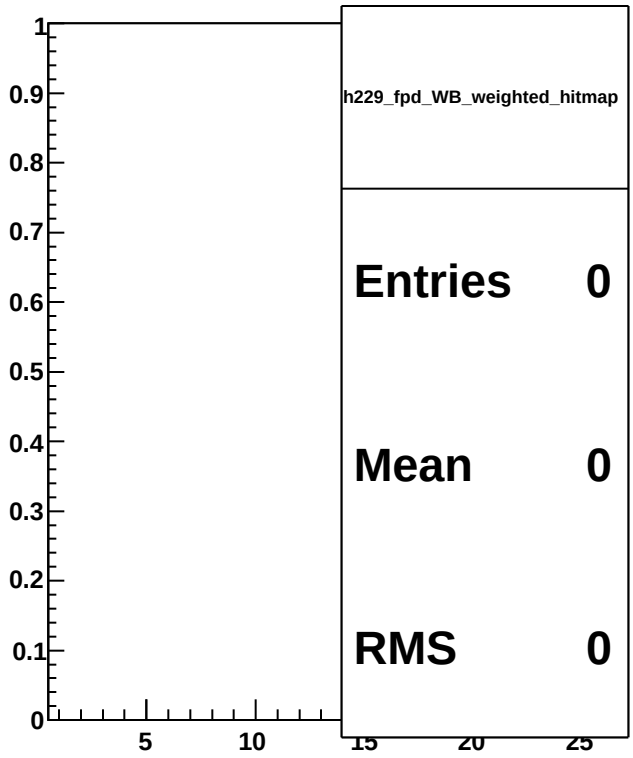
Mean 0
RMS 0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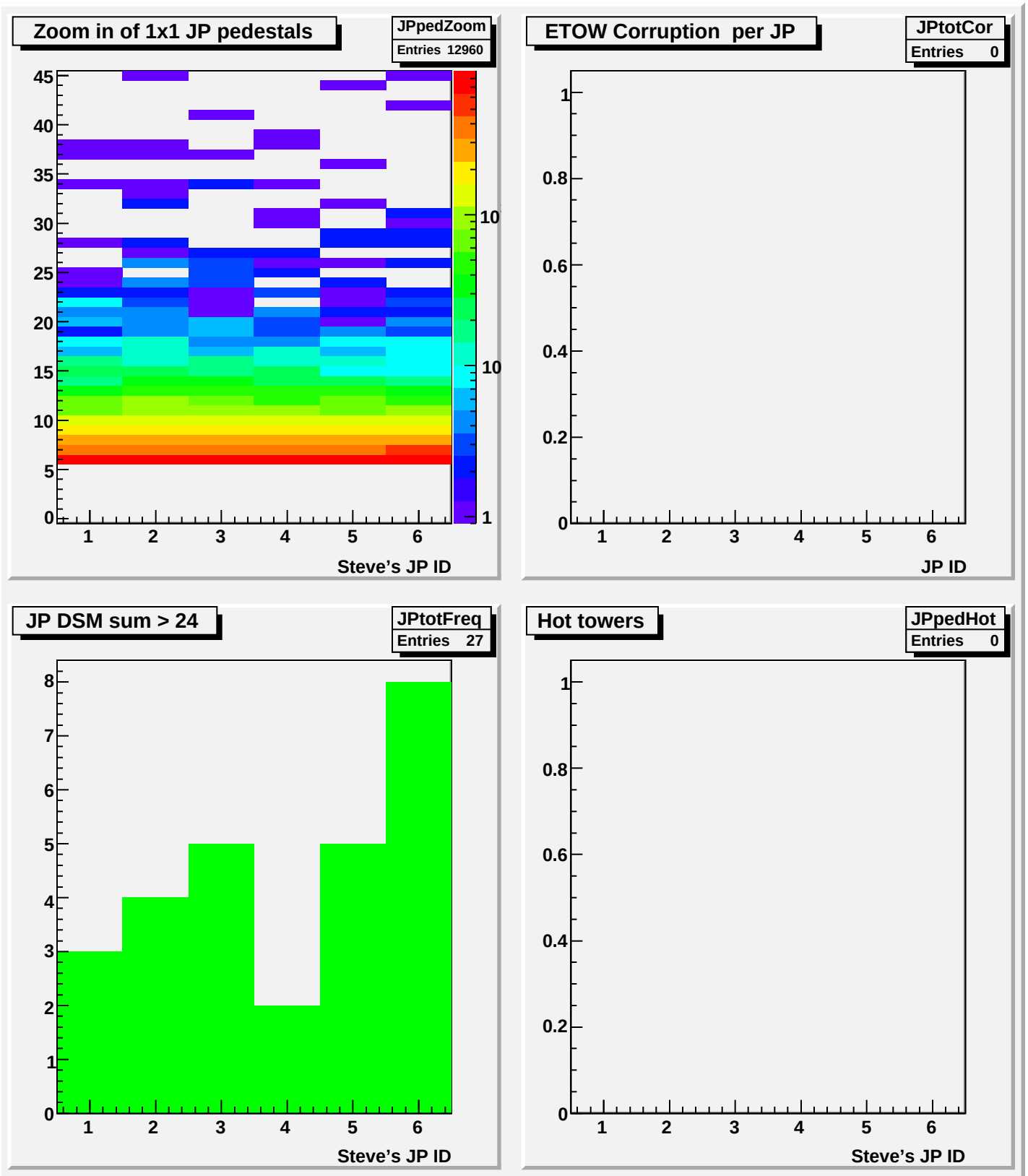

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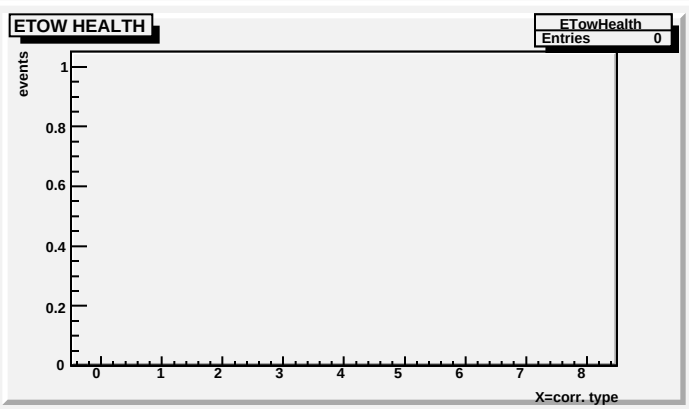
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Entries 0
events
X=corr. type

ETOW head corr
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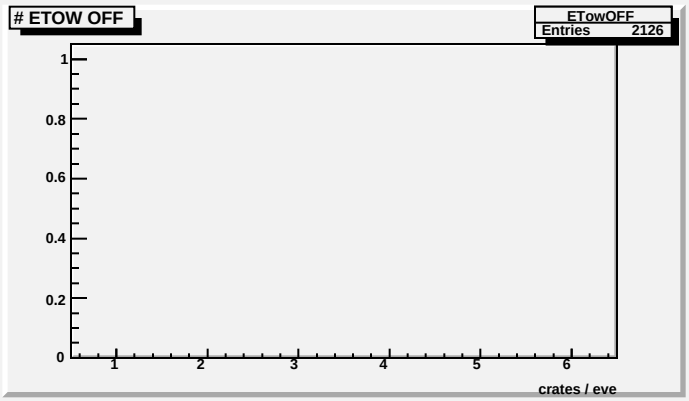
Entries 2126
crates / eve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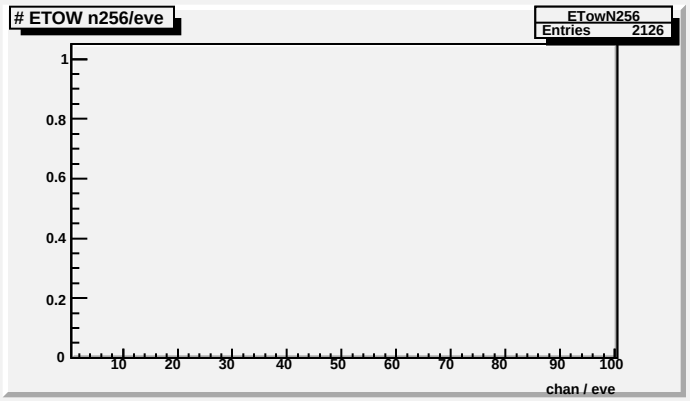
crates / eve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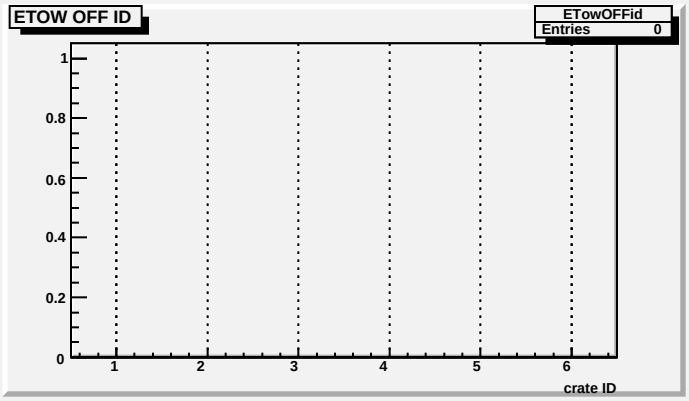
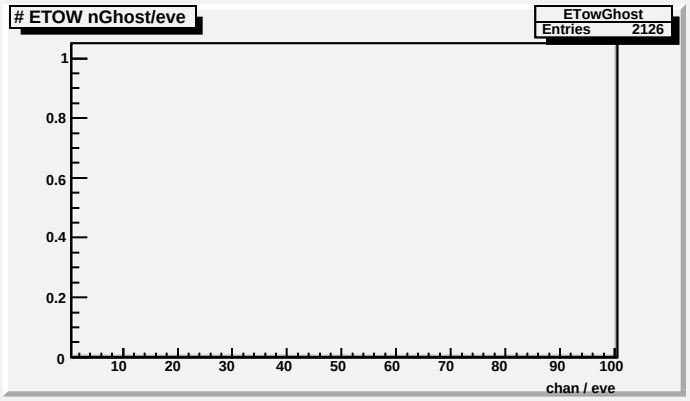
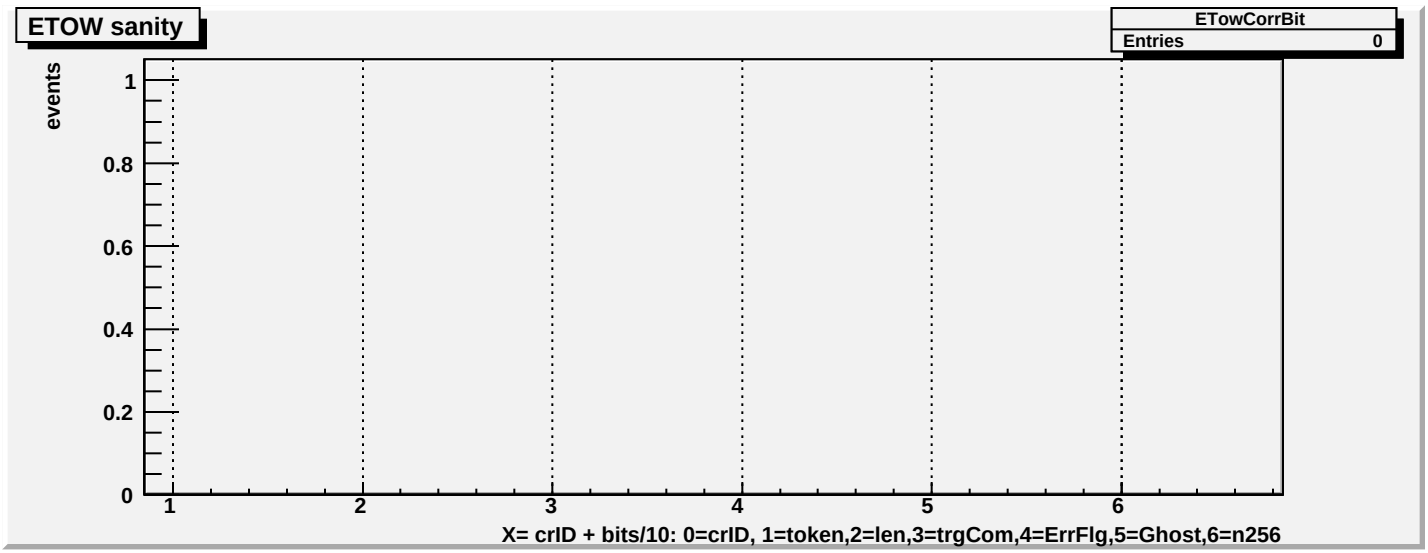
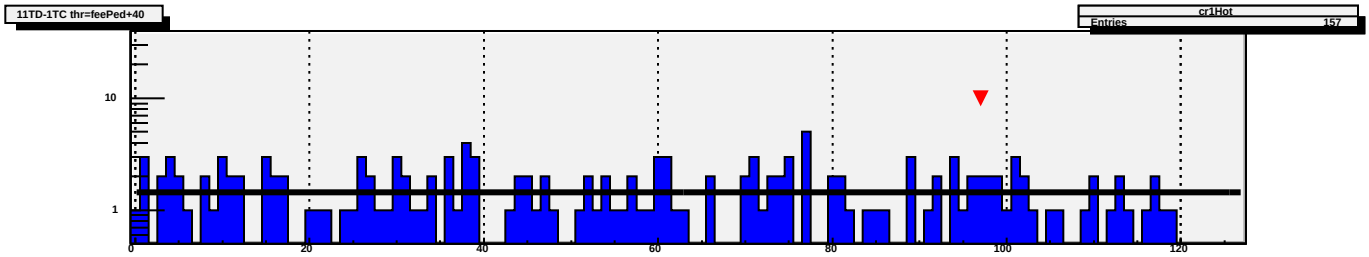
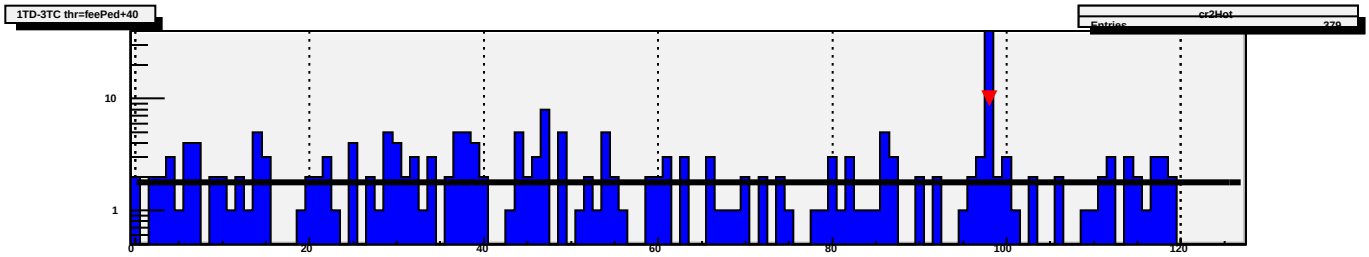
Entries 2126
chan / eve

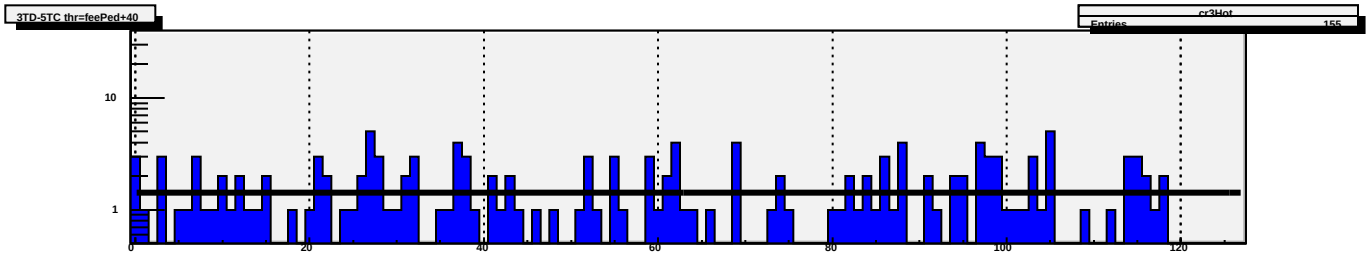

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

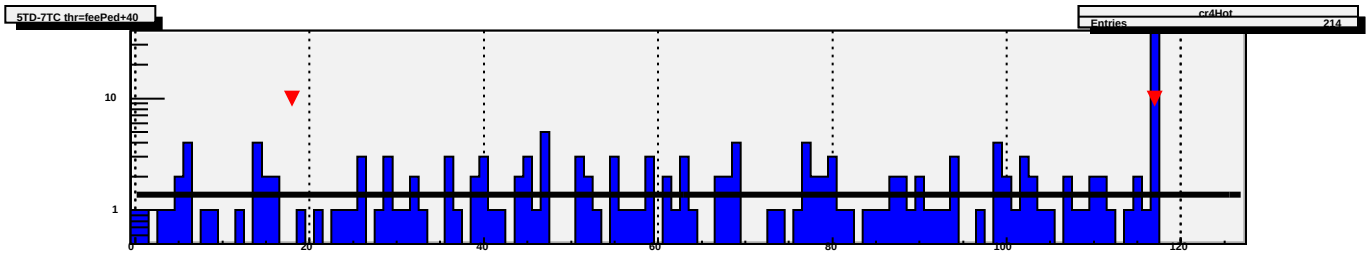

ETOW nGhost/eve
ETowGhost
Entries 2126
chan / eve

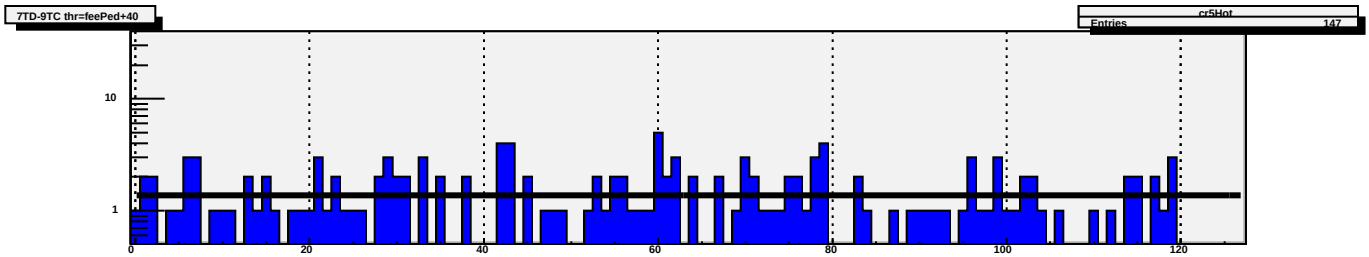

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

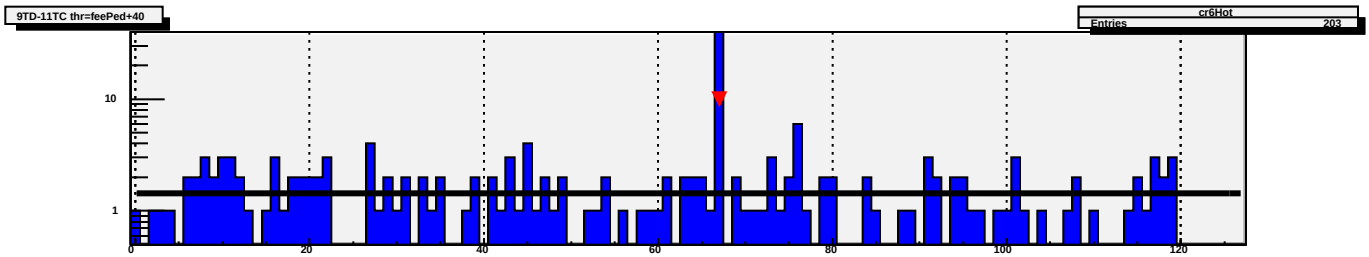

11TD-1TC thr=feePed+40
cr1Hot
Entries 157
10
1
0
20
40
60
80
100
120

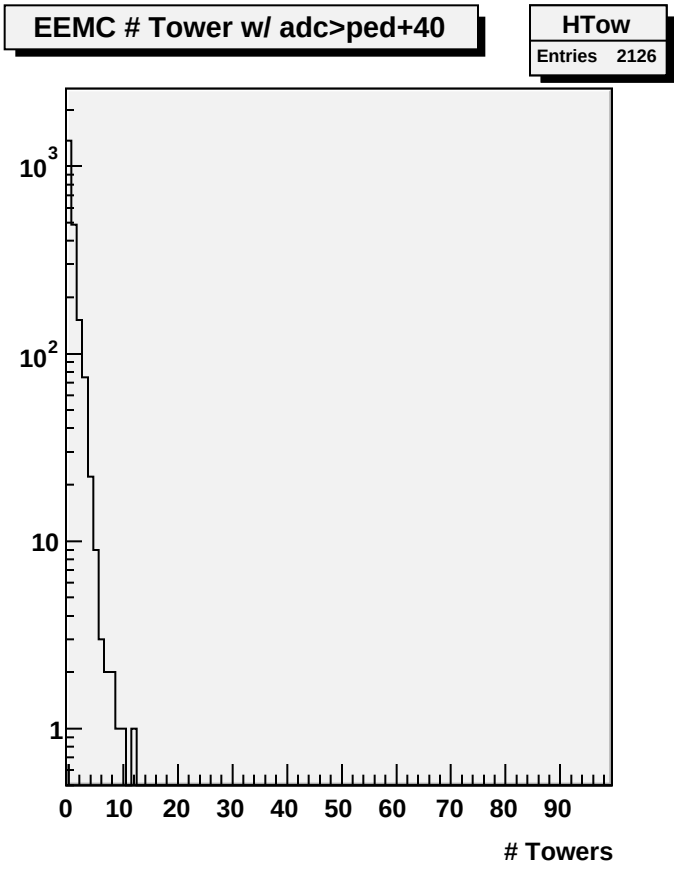

1TD-3TC thr=feePed+40
cr2Hot
Entries 279
10
1
0
20
40
60
80
100
120

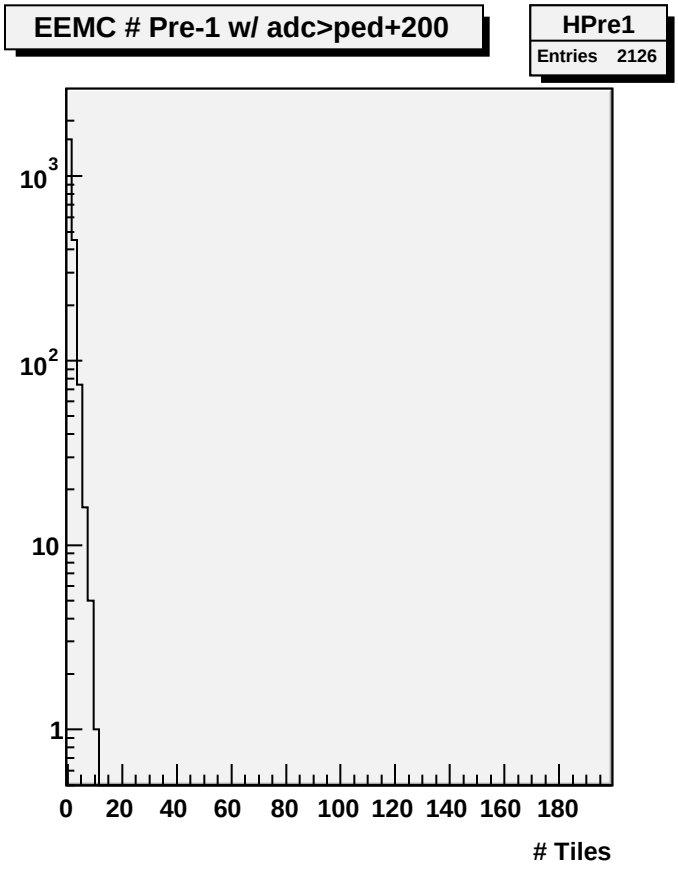

3TD-5TC thr=feePed+40
cr3Hot
Entries 155
10
1
0
20
40
60
80
100
120

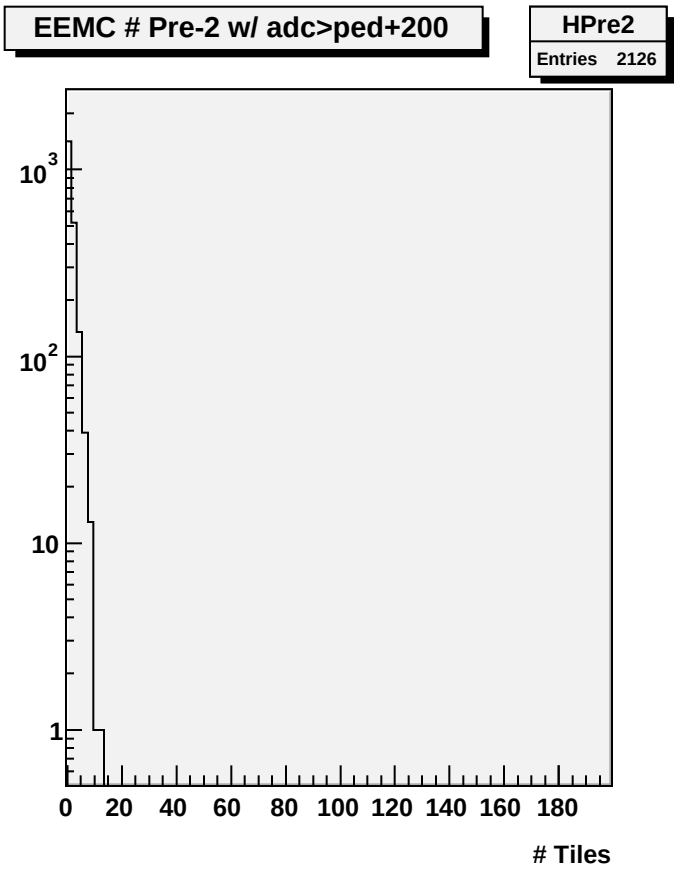

5TD-7TC thr=feePed+40
cr4Hot
Entries 214
10
1
0
20
40
60
80
100
120

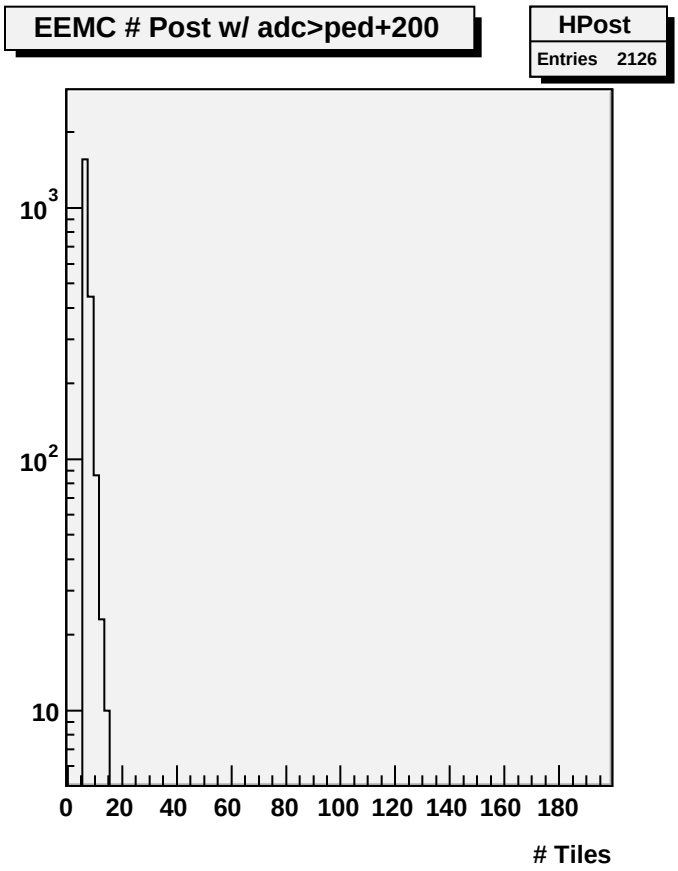

7TD-9TC thr=feePed+40
cr5Hot
Entries 147
10
1
0
20
40
60
80
100
120

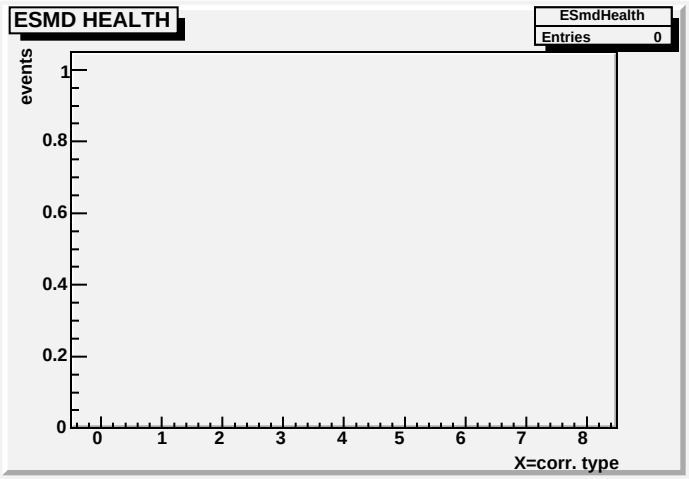

9TD-11TC thr=feePed+40
cr6Hot
Entries 203
10
1
0
20
40
60
80
100
120

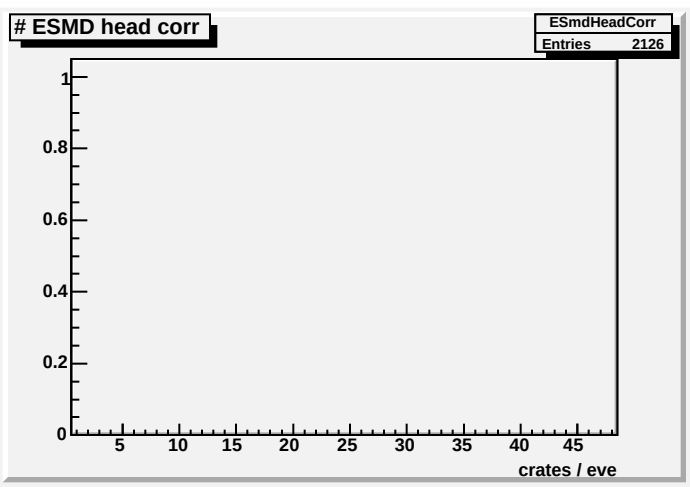

EEMC # Tower w/ adc>ped+40
HTow
Entries 2126
10^3
10^2
10
1
0 10 20 30 40 50 60 70 80 90
Towers

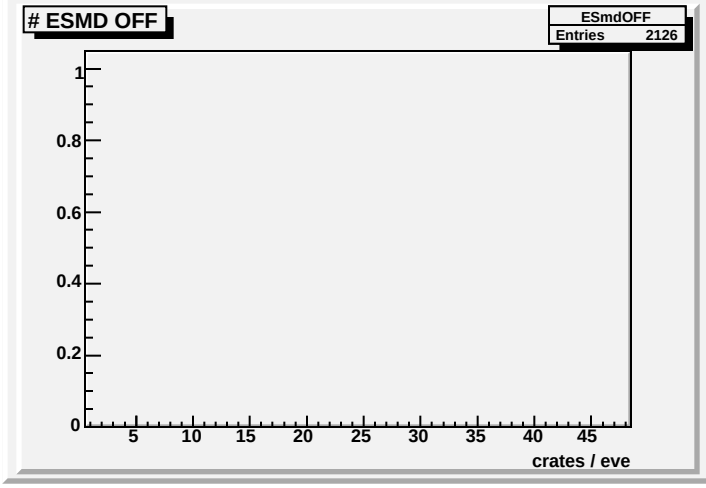

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 2126
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

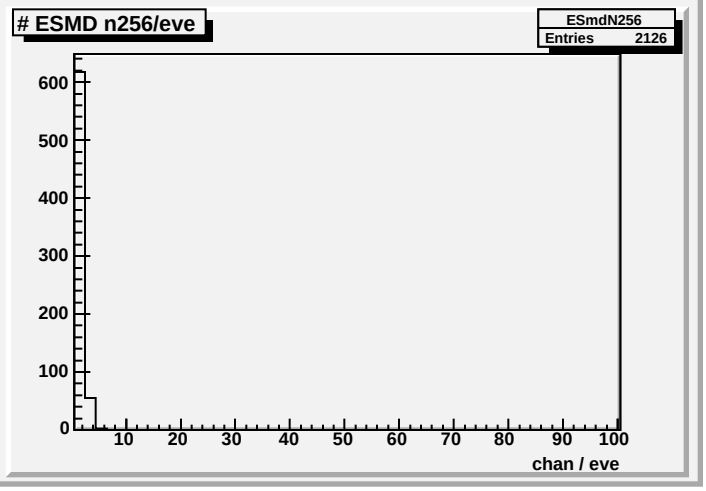

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 2126
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

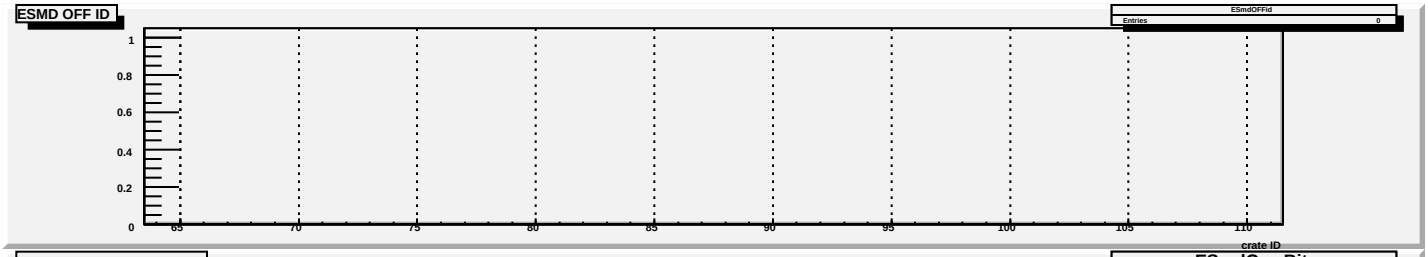

EEMC # Post w/ adc>ped+200
HPost
Entries 2126
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Tiles

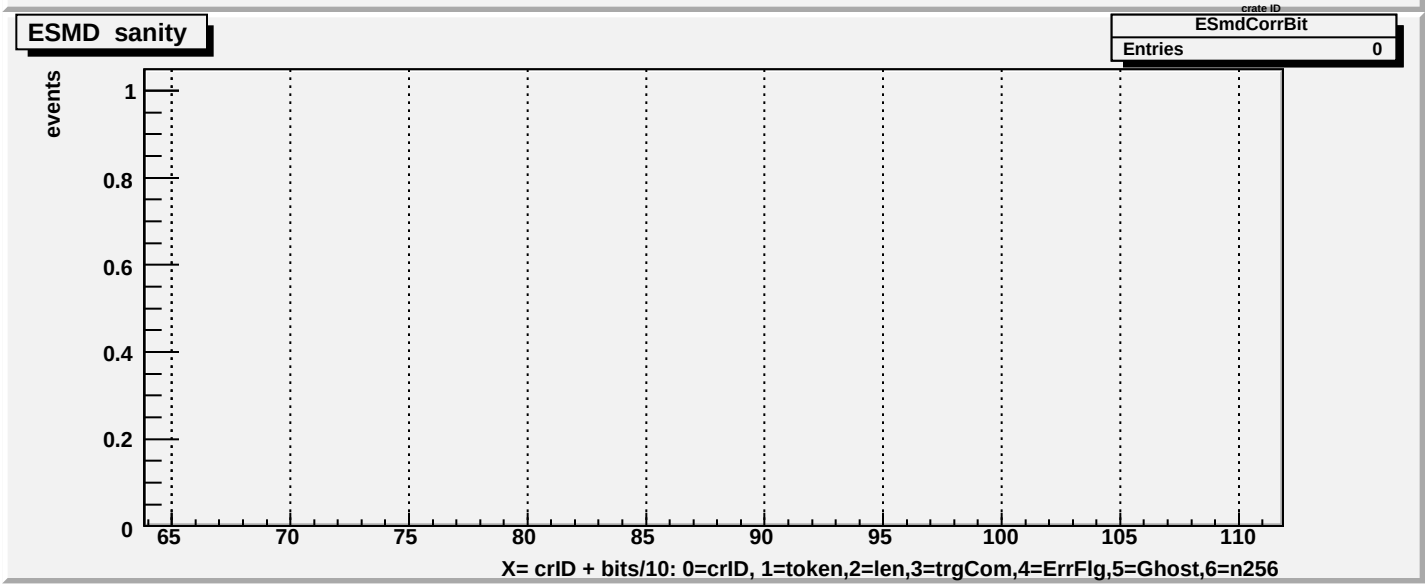

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

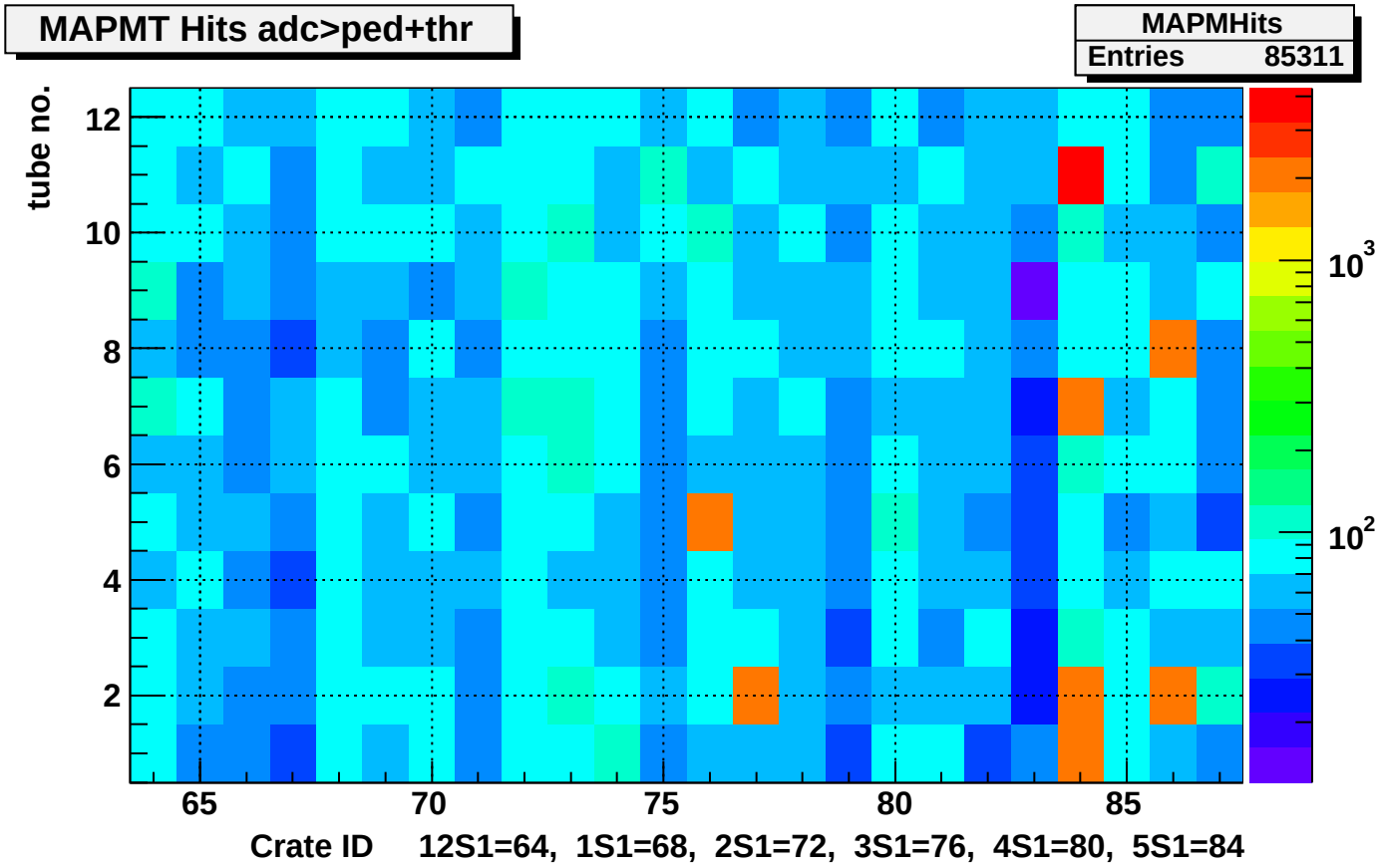

ESMD head corr
ESmdHeadCorr
Entries 2126
crates / eve

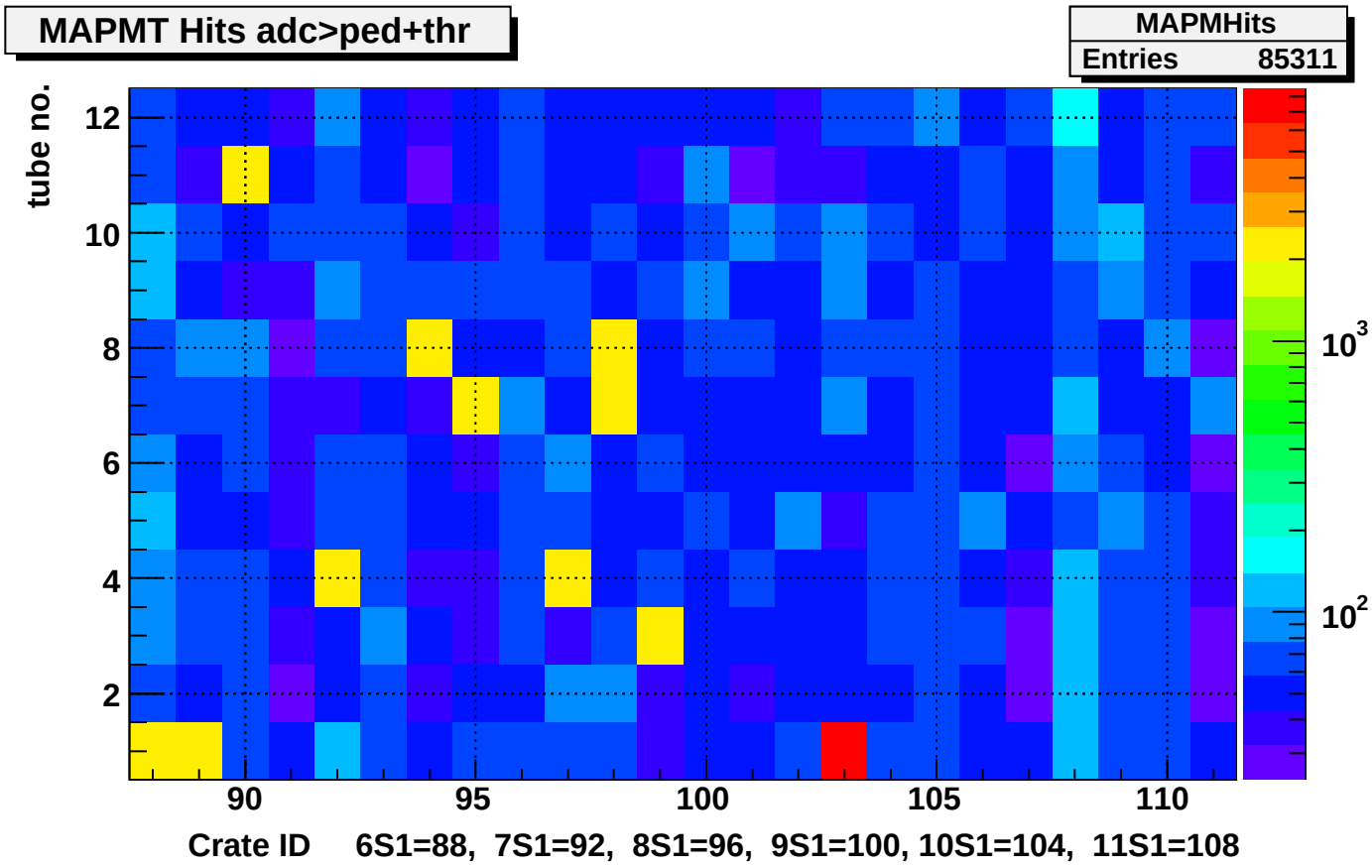

ESMD OFF
ESmdOFF
Entries 2126
crates / eve

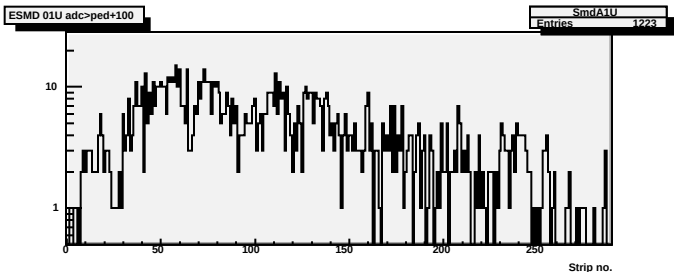

ESMD n256/eve
ESmdN256
Entries 2126
chan / eve

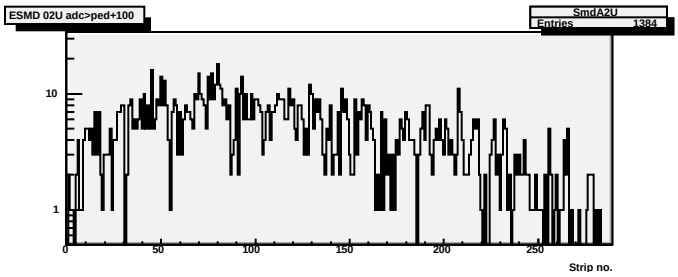

ESMD OFF ID
ESmdOFFId
Entries 0
crate ID

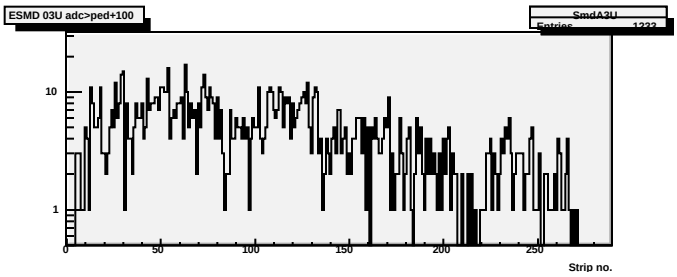

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

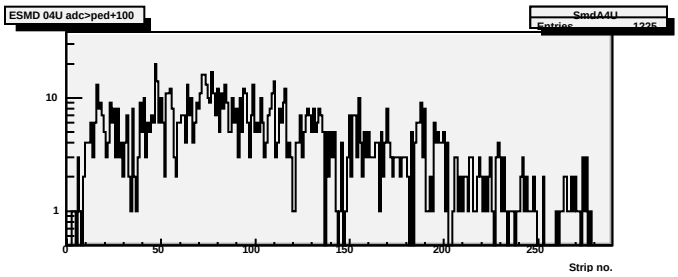

MAPMT Hits adc>ped+thr
MAPMHits
Entries 85311
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84
10^3
10^2

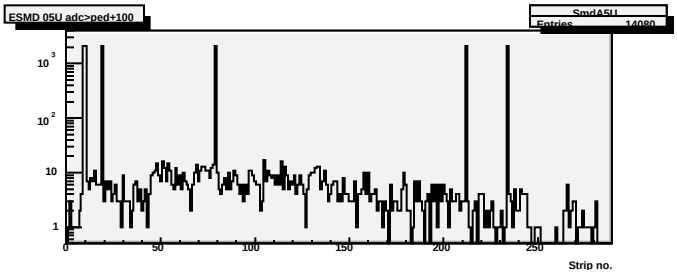

MAPMT Hits adc>ped+thr
MAPMHits
Entries 85311
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108
10^3
10^2

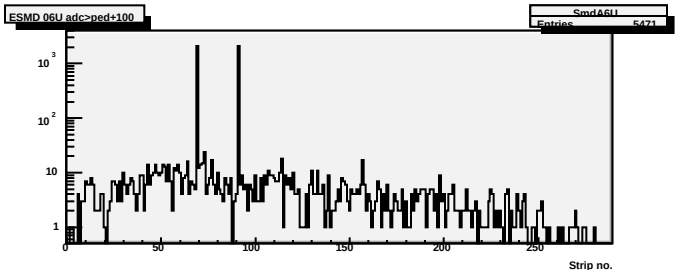

ESMD 01U adc>ped+100
SmdA1U
Entries 1223
Strip no.

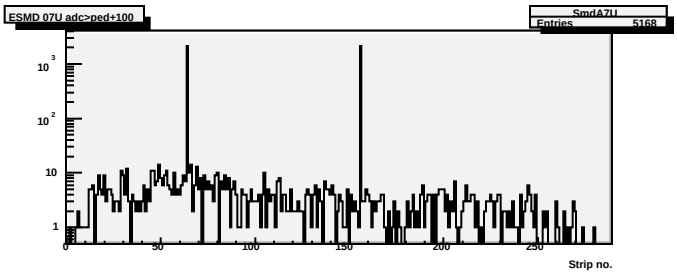

ESMD 02U adc>ped+100
SmdA2U
Entries 1384
Strip no.

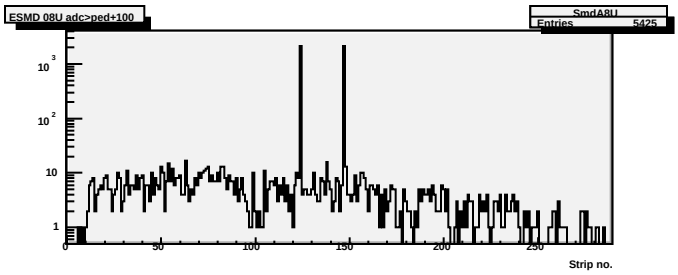

ESMD 03U adc>ped+100
SmdA3U
Entries 1233
Strip no.

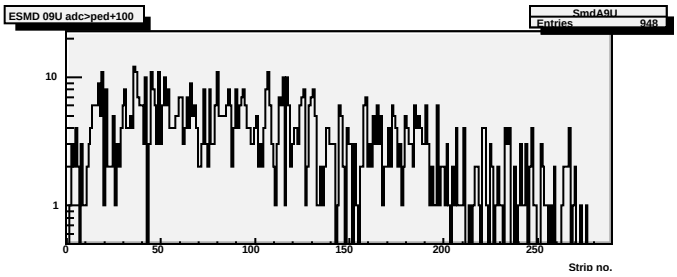

ESMD 04U adc>ped+100
SmdA4U
Entries 1325
Strip no.

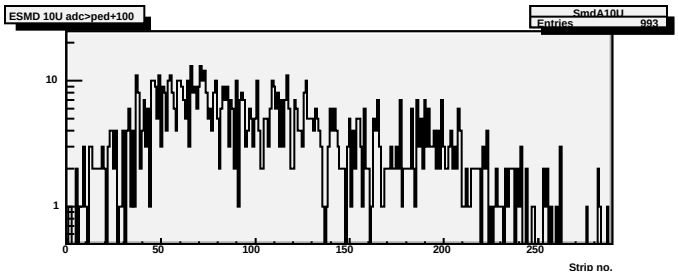

ESMD 05U adc>ped+100
SmdA5U
Entries 14080
Strip no.

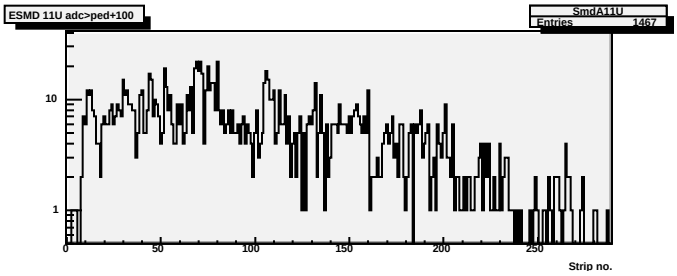

ESMD 06U adc>ped+100
SmdA6U
Entries 5471
Strip no.

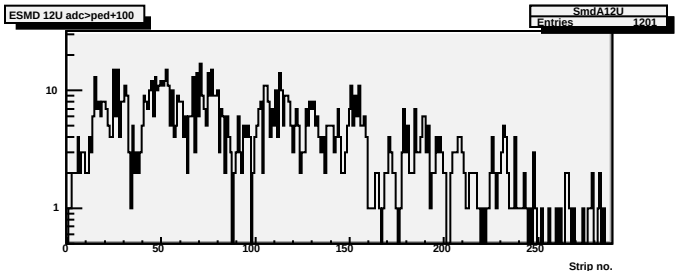

ESMD 07U adc>ped+100
SmdA7U
Entries 5168
Strip no.

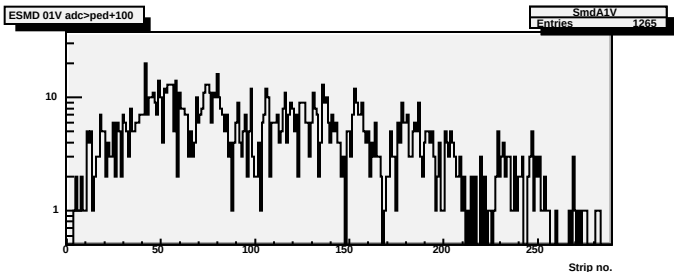

ESMD 08U adc>ped+100
SmdA8U
Entries 5425
Strip no.

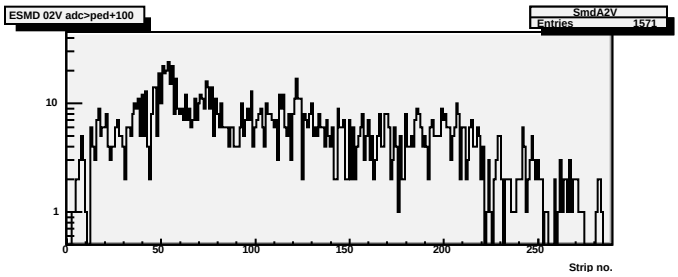

ESMD 09U adc>ped+100
SmdA9U
Entries 948
Strip no.

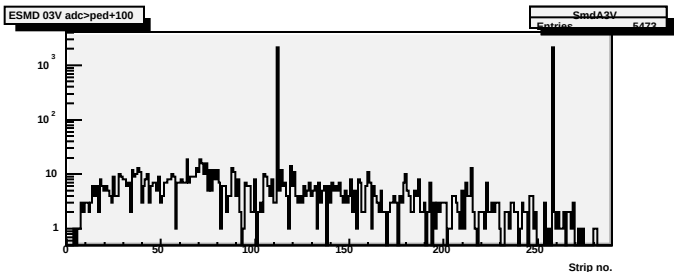

ESMD 10U adc>ped+100
SmdA10U
Entries 993
Strip no.

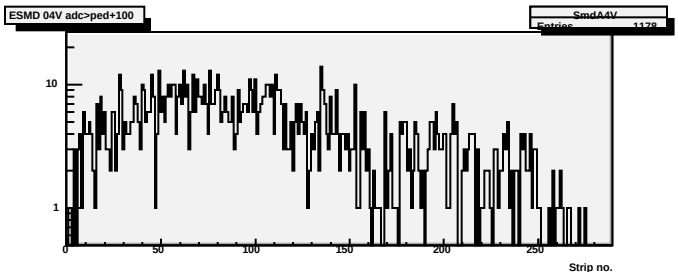

ESMD 11U adc>ped+100
SmdA11U
Entries 1467
Strip no.

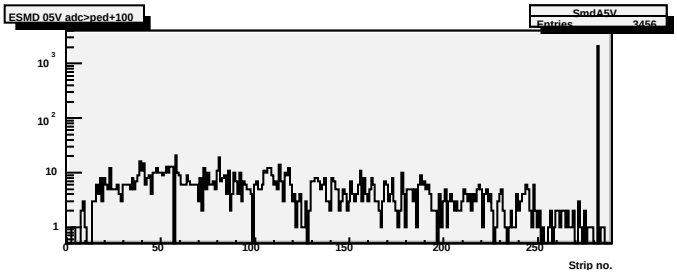

ESMD 12U adc>ped+100
SmdA12U
Entries 1201
Strip no.

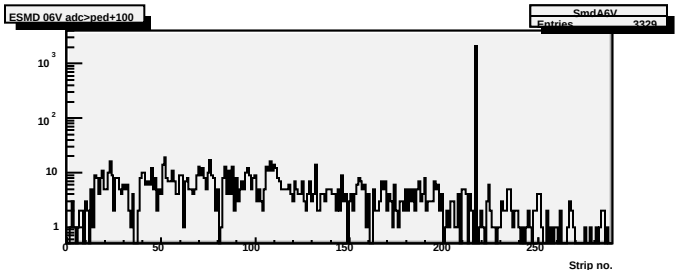

ESMD 01V adc>ped+100
SmdA1V
Entries 1265
Strip no.

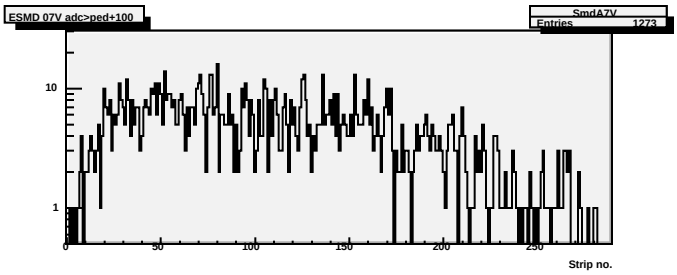

ESMD 02V adc>ped+100
SmdA2V
Entries 1571
Strip no.

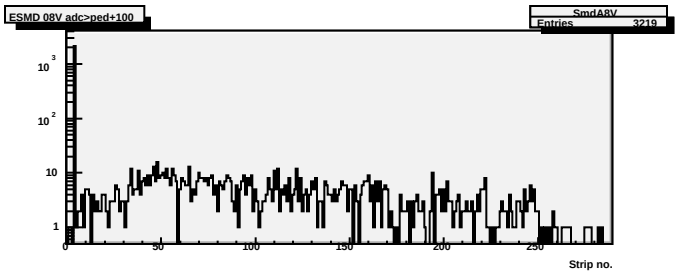

ESMD 03V adc>ped+100
SmdA3V
Entries 5473
Strip no.

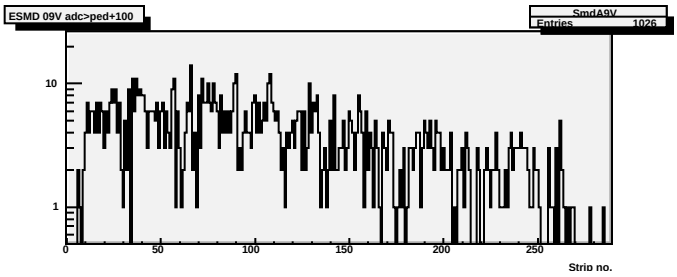

ESMD 04V adc>ped+100
SmdA4V
Entries 1178
Strip no.

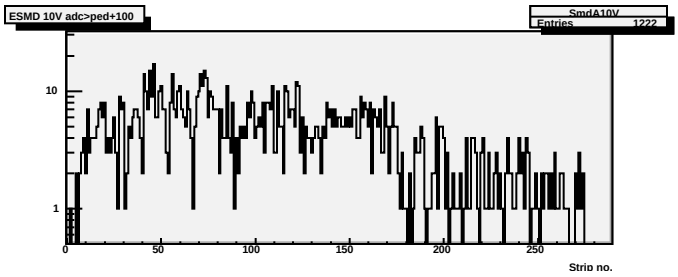

ESMD 05V adc>ped+100
SmdA5V
Entries 3456
Strip no.

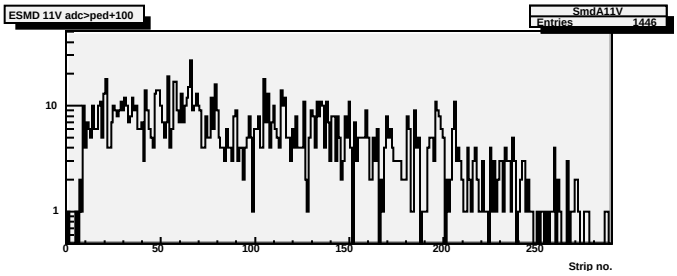

ESMD 06V adc>ped+100
SmdA6V
Entries 3329
Strip no.

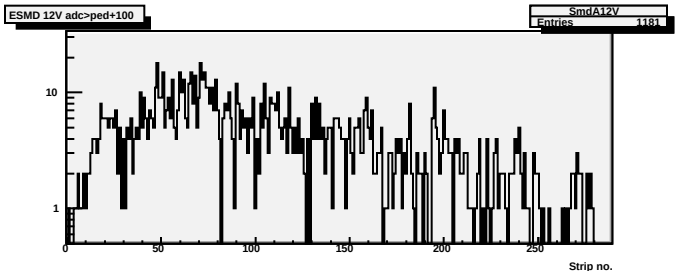

ESMD 07V adc>ped+100
SmdA7V
Entries 1273
Strip no.

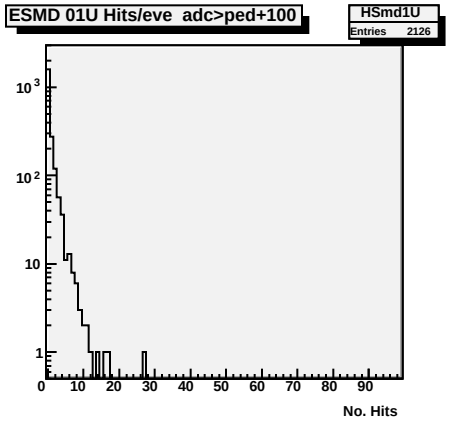

ESMD 08V adc>ped+100
SmdA8V
Entries 3219
Strip no.

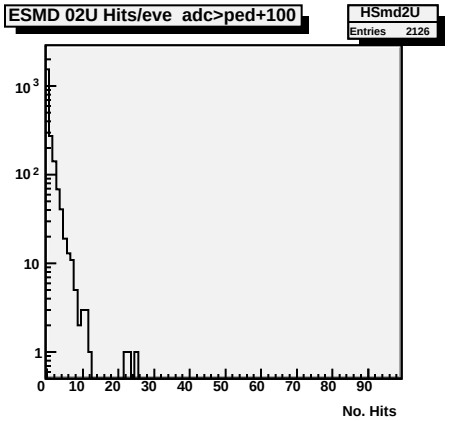

ESMD 09V adc>ped+100
SmdA9V
Entries 1026
Strip no.

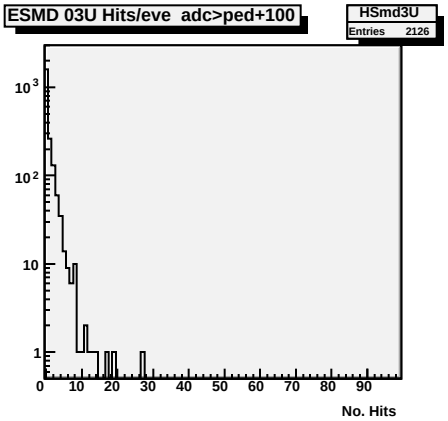

ESMD 10V adc>ped+100
SmdA10V
Entries 1222
Strip no.

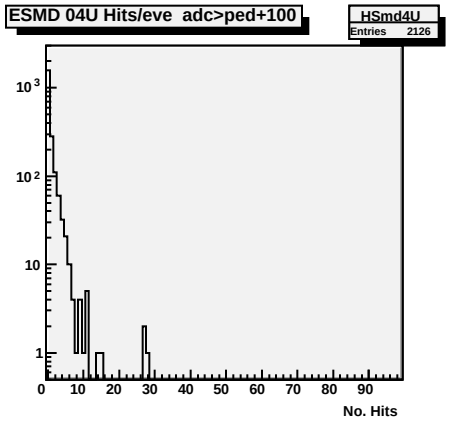

ESMD 11V adc>ped+100
SmdA11V
Entries 1446
Strip no.


ESMD 12V adc>ped+100
SmdA12V
Entries 1181
Strip no.


ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 2126
No. Hits


ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 2126
No. Hits


ESMD 03U Hits/eve adc>ped+100
HSmd3U
Entries 2126
No. Hits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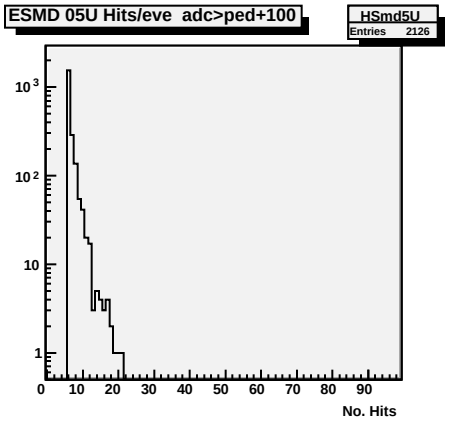
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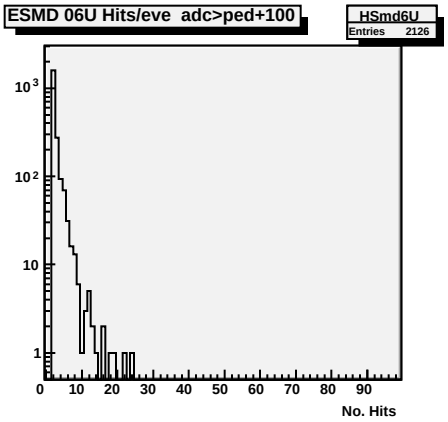
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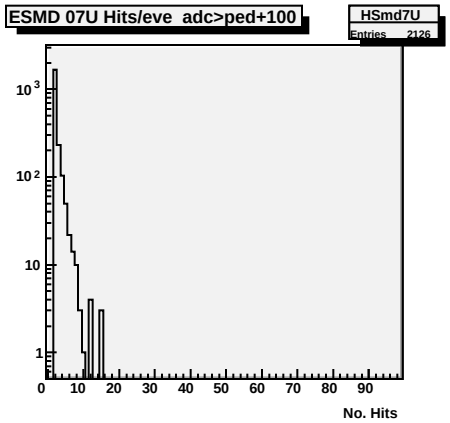
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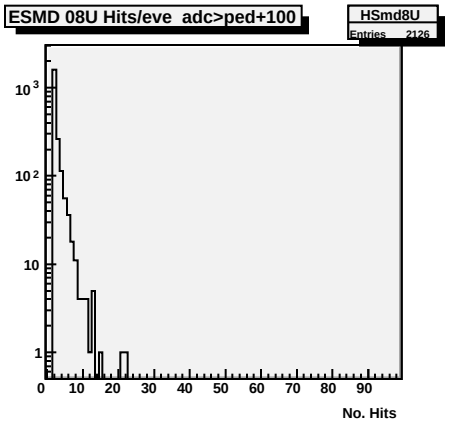
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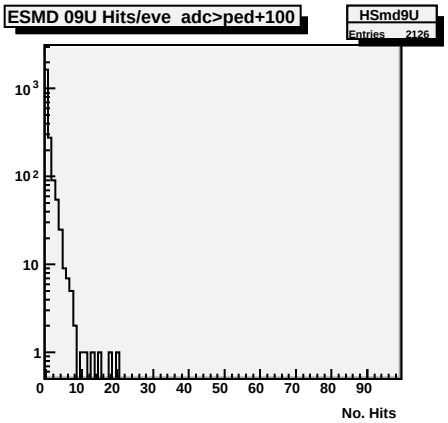
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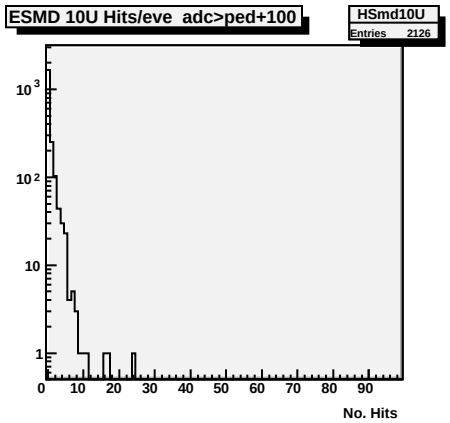
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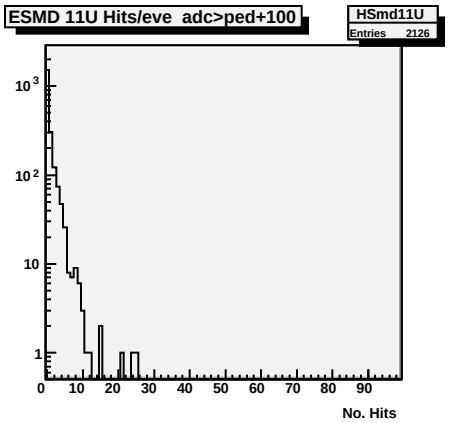
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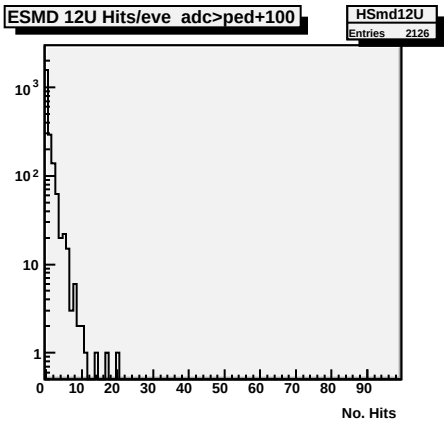
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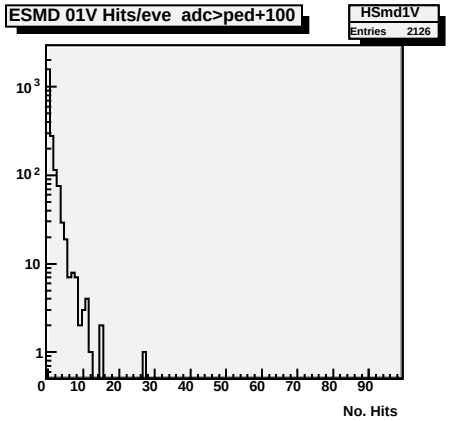
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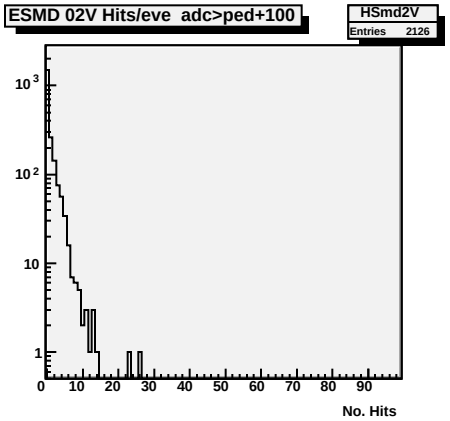
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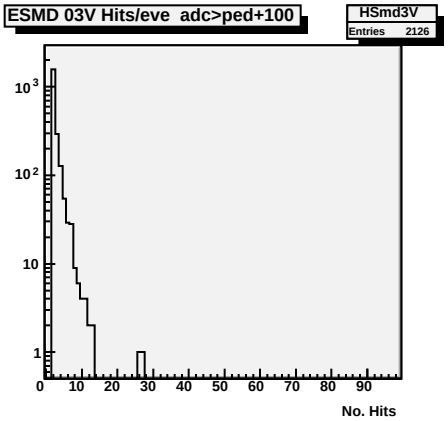
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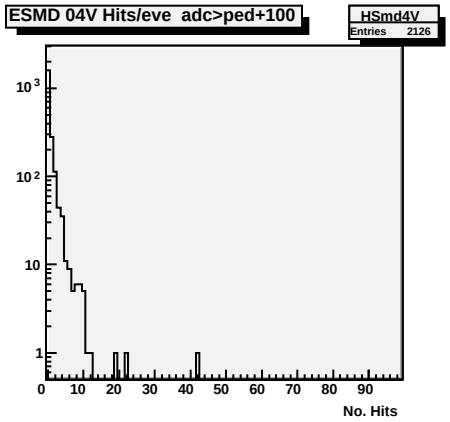
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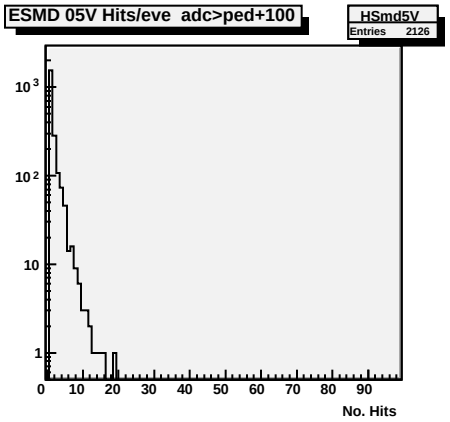
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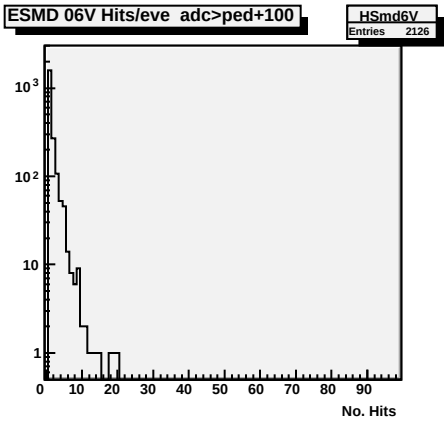
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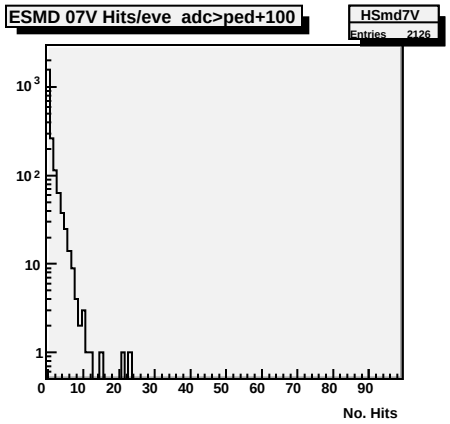
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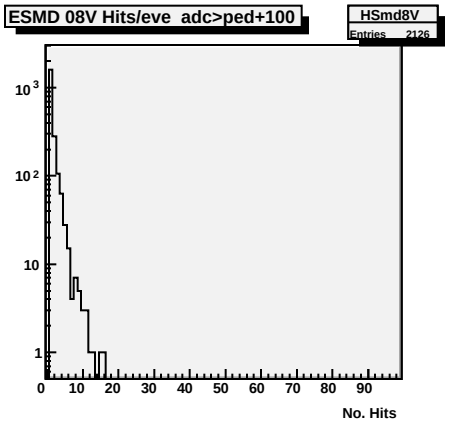
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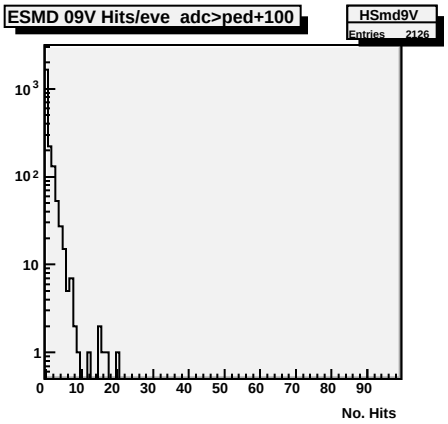
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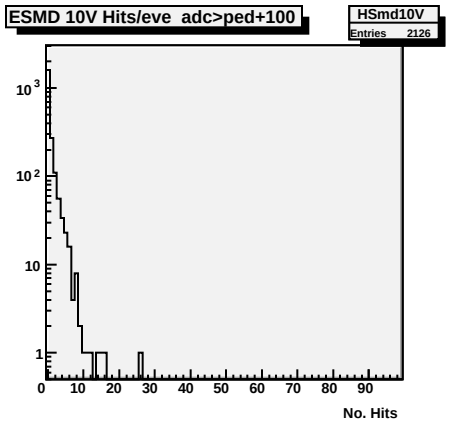
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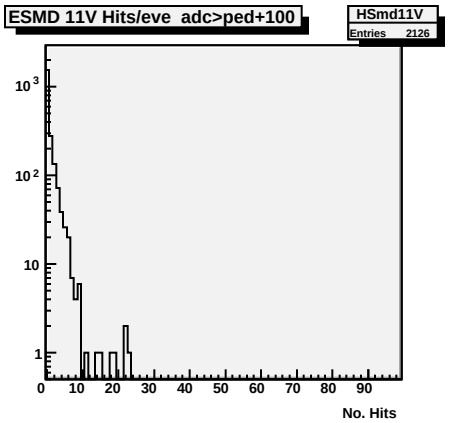
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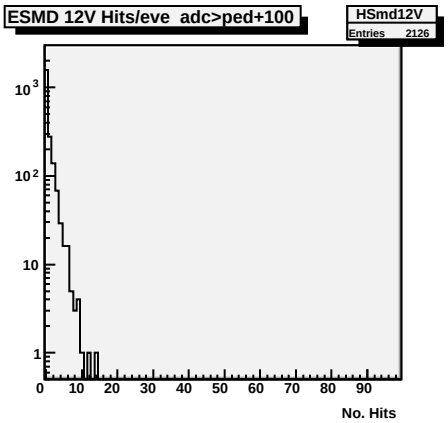
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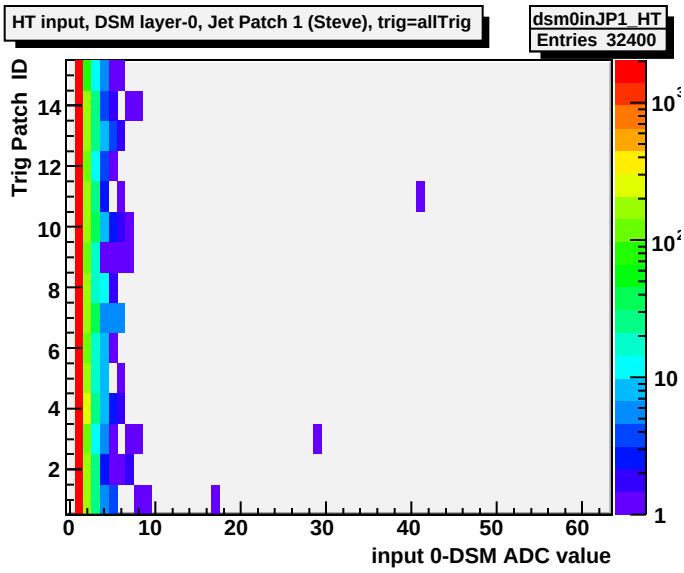
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dsm0inJP1_HT
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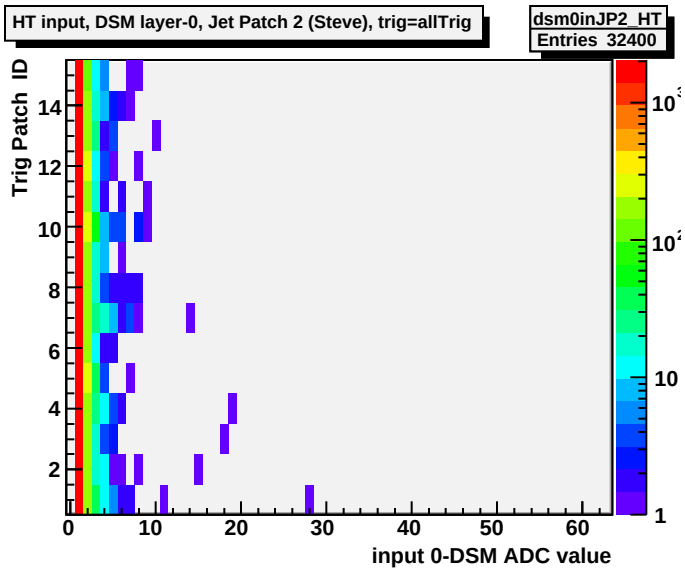
Trig Patch ID
input 0-DSM ADC value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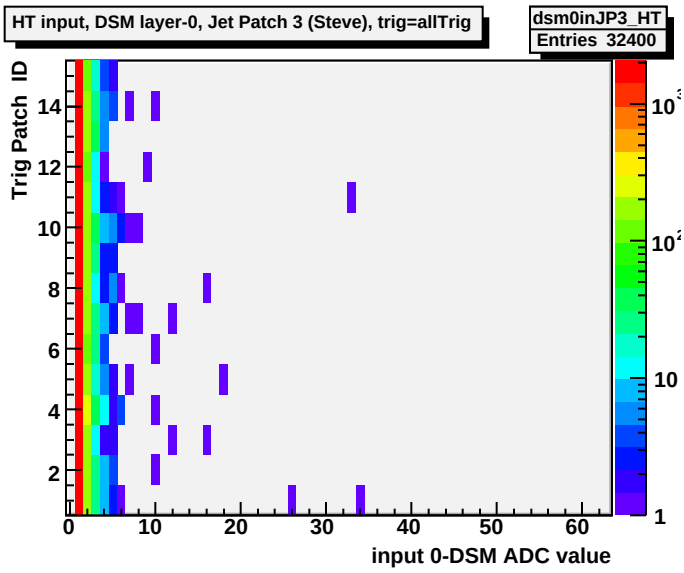
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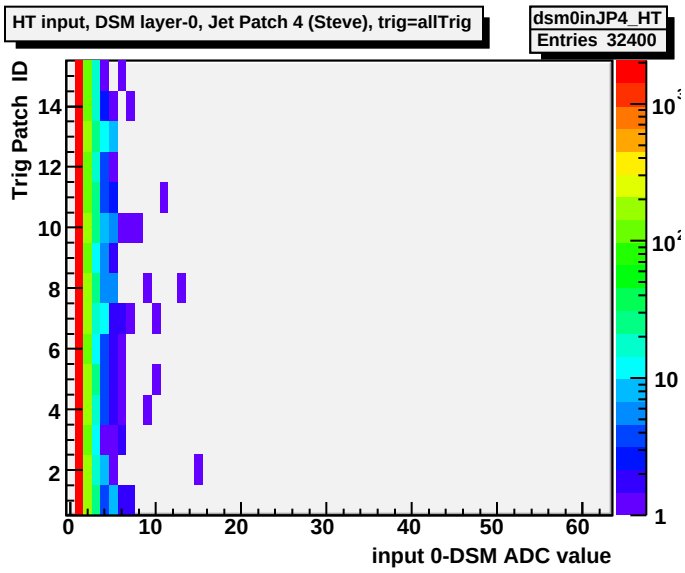
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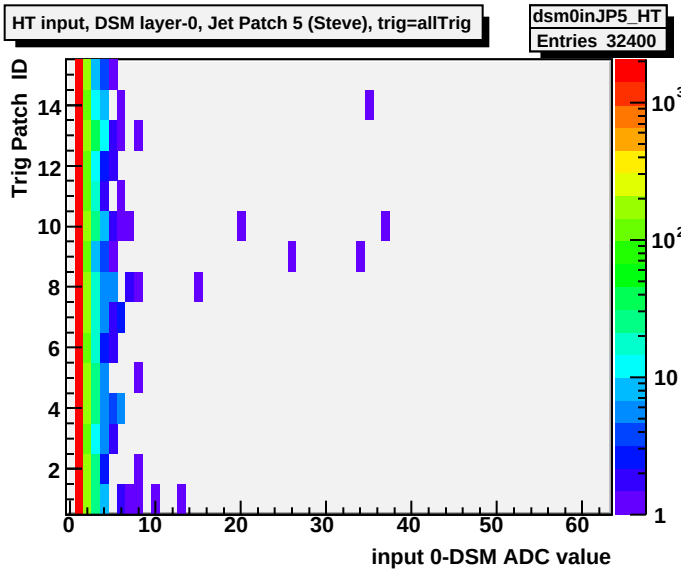
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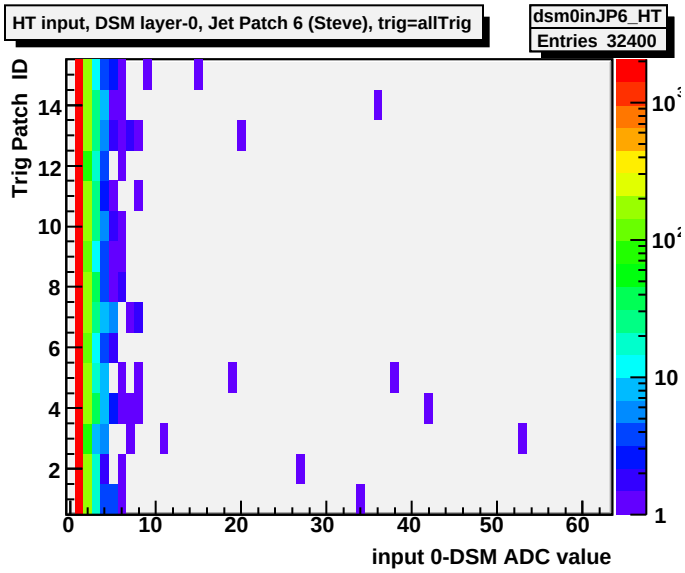
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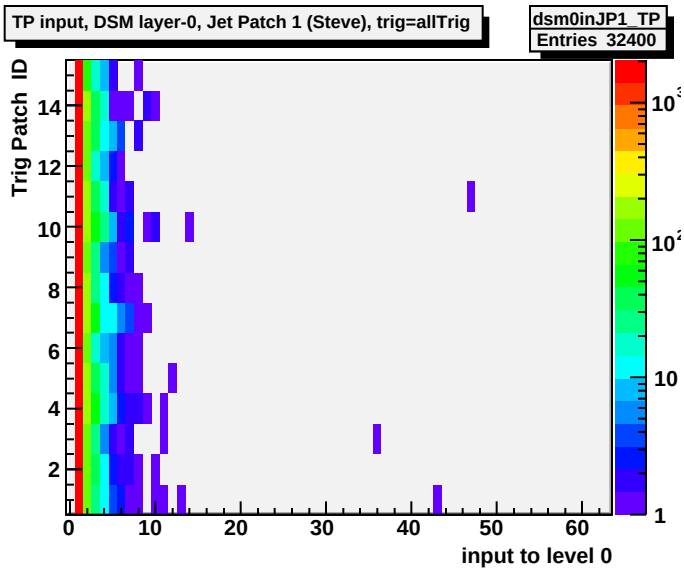
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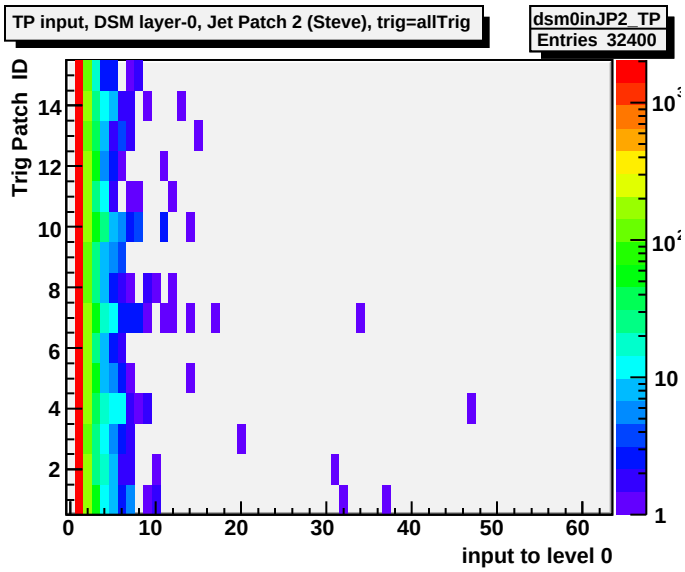
input to level 0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Entries 32400
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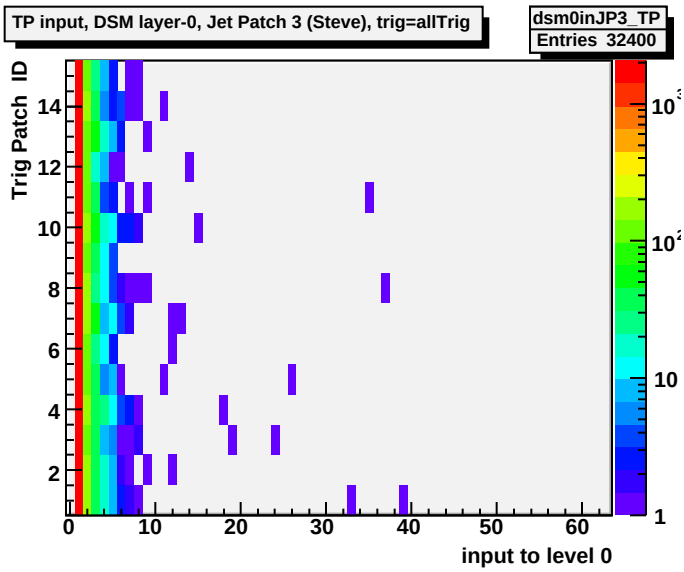
input to level 0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Entries 32400
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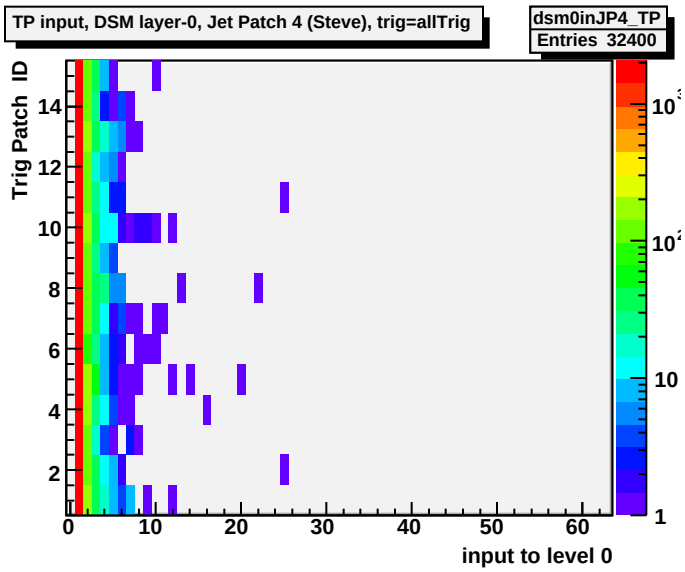
input to level 0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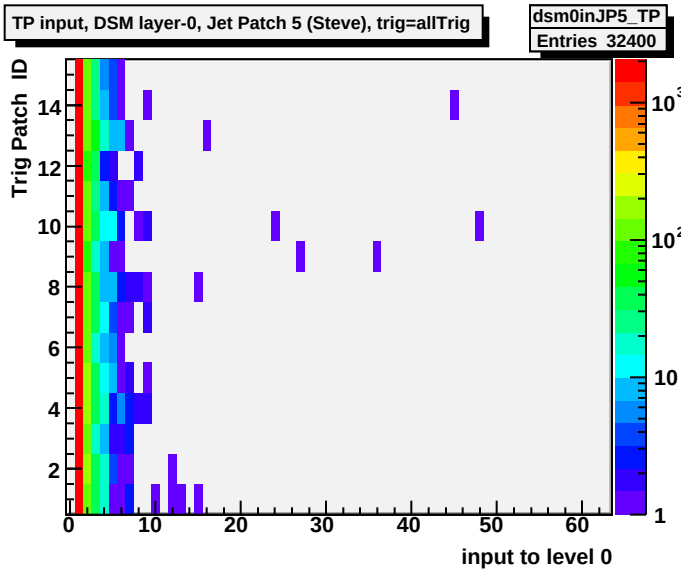
TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
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Entries 32400
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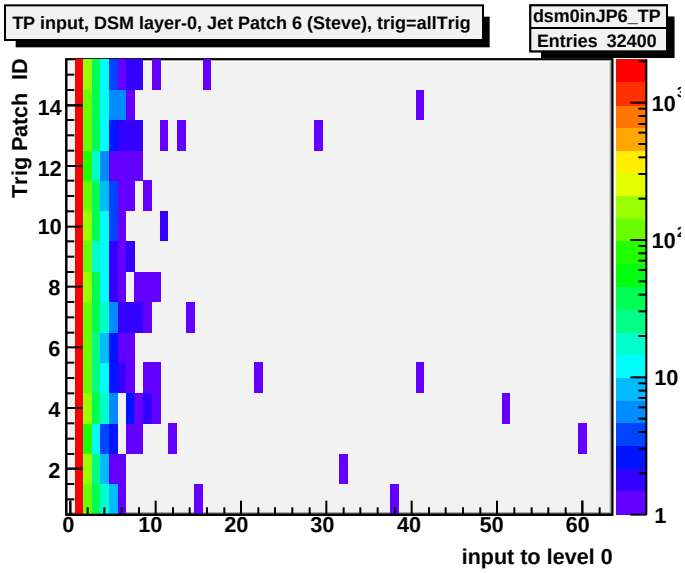
input to level 0


TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
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Entries 32400
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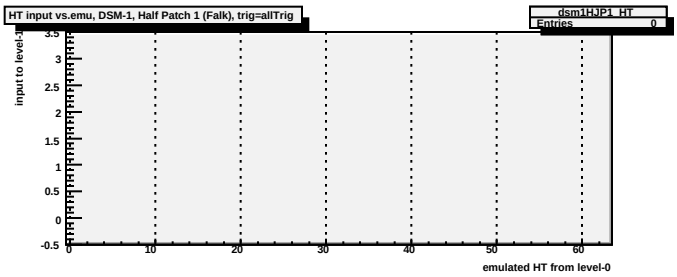
input to level 0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Entries 0
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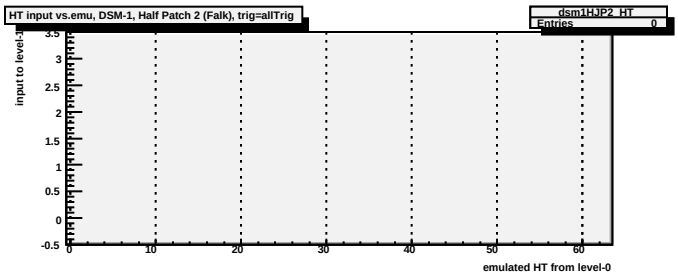
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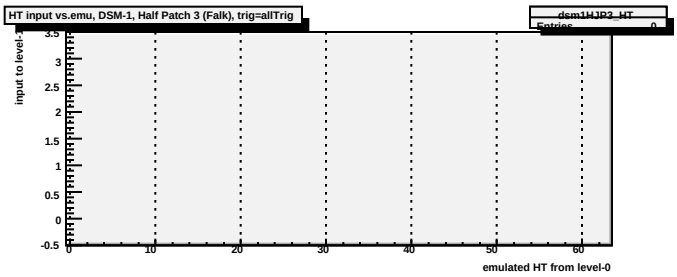
emulated HT from level-0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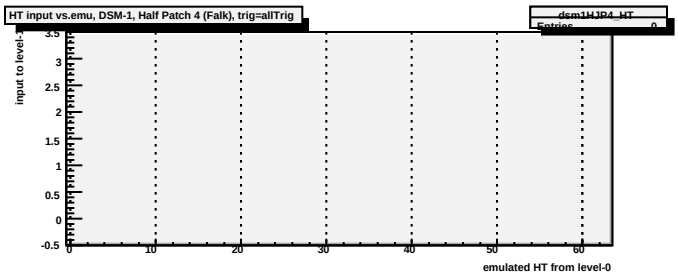
emulated HT from level-0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Entries 0
input to level-1
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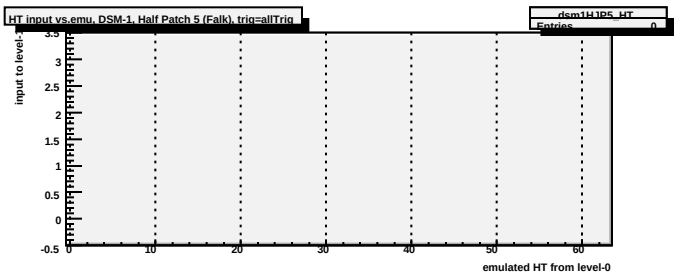
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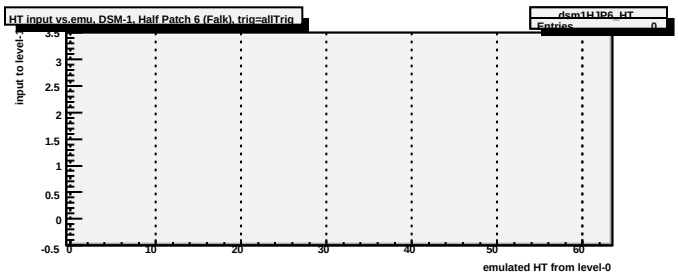
Entries 0
input to level-1
emulated HT from level-0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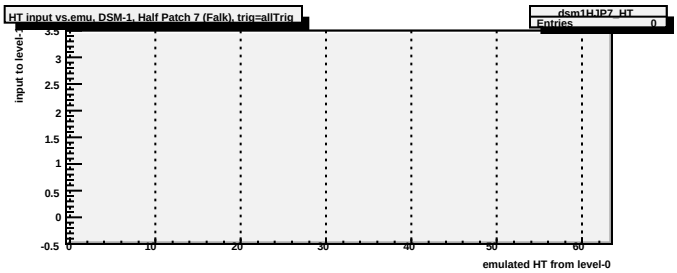
Entries 0
input to level-1
emulated HT from level-0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dsm1HJP7_HT
Entries 0
input to level-1
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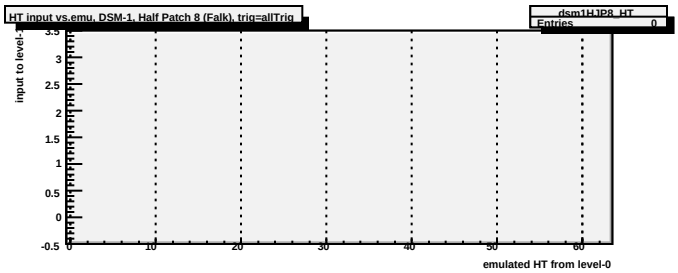
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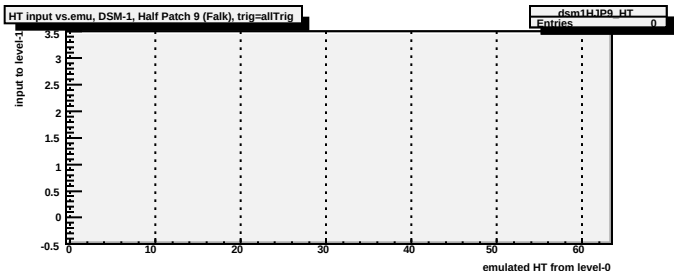
dsm1HJP8_HT
Entries 0
input to level-1
emulated HT from level-0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dsm1HJP9_HT
Entries 0
input to level-1
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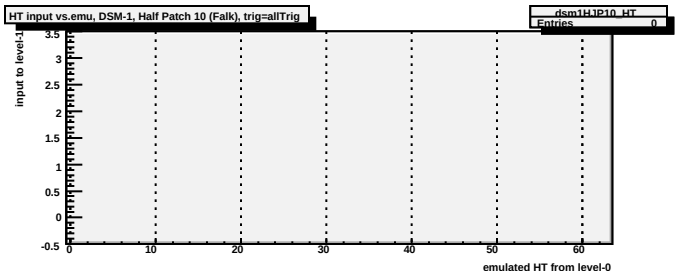
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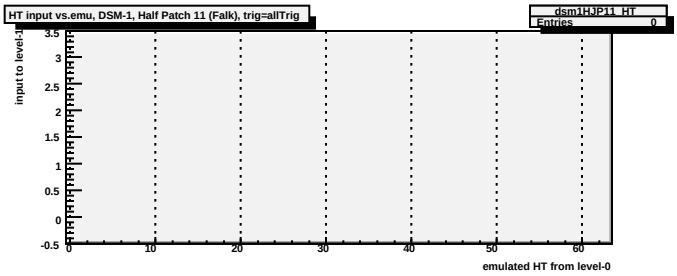
emulated HT from level-0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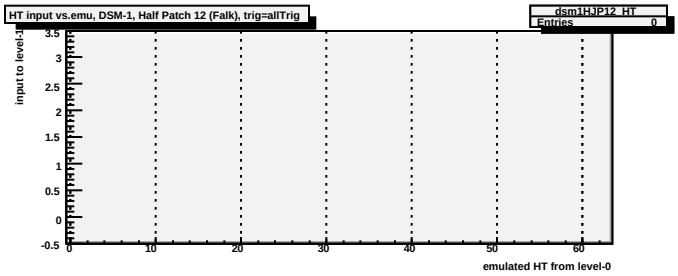
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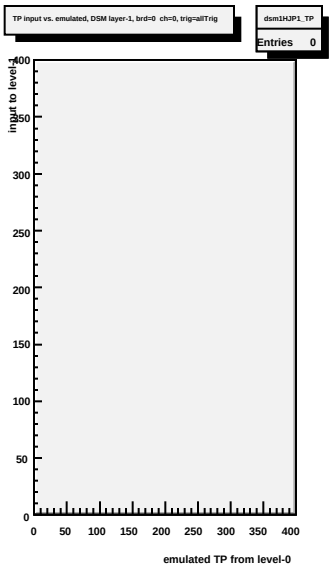
dsm1HJP12_HT
Entries 0
input to level-1
emulated HT from level-0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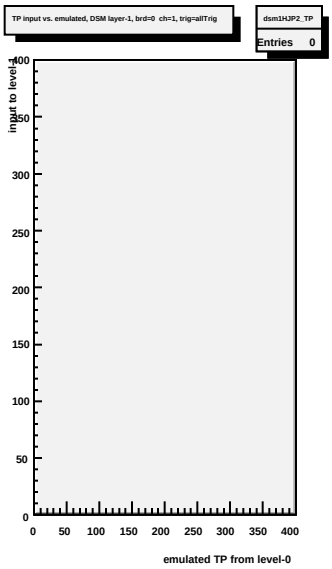
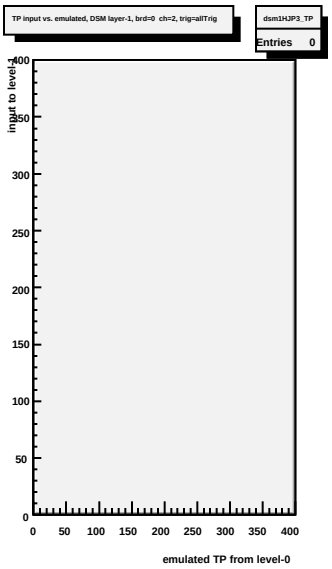
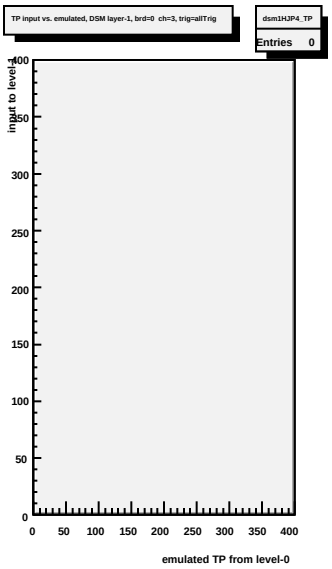
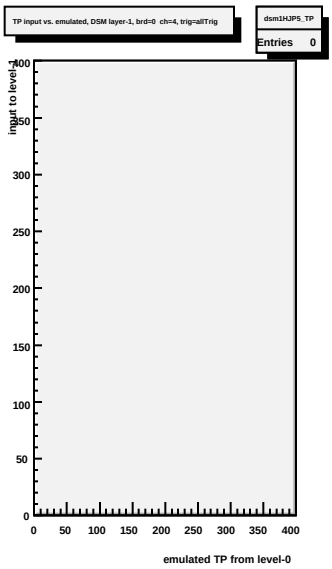
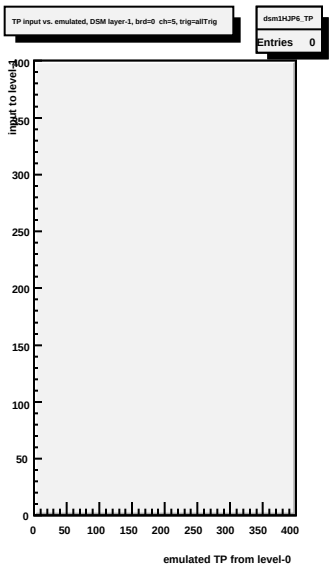
Entries 0
input to level-1
emulated TP from level-0

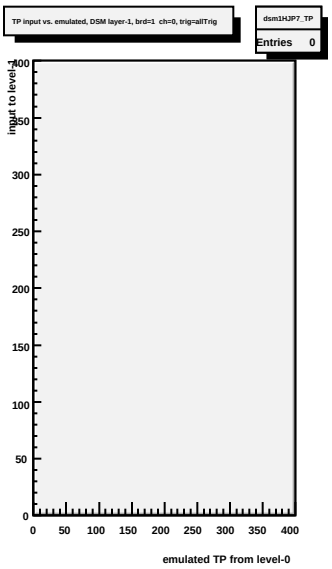

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

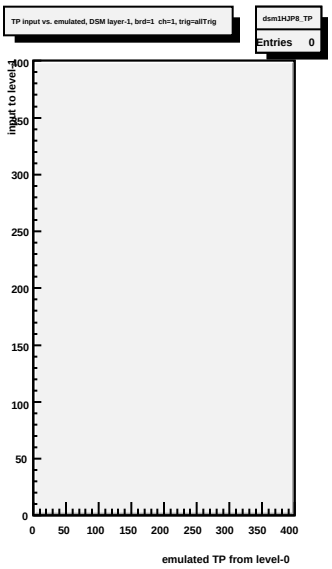

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

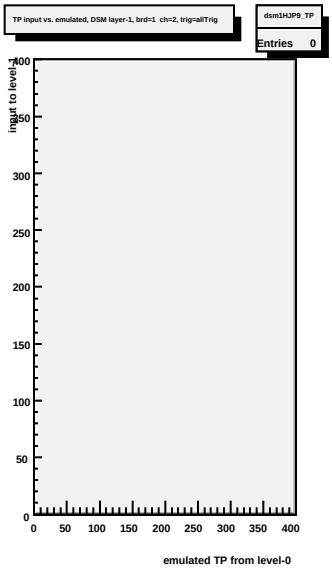

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

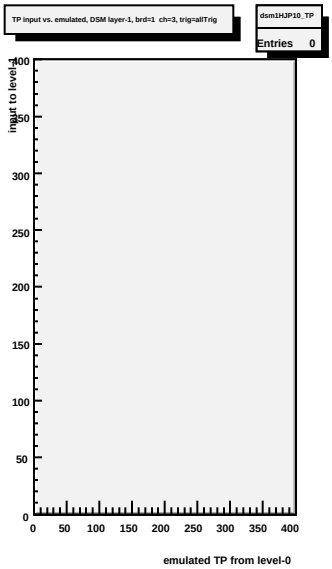

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

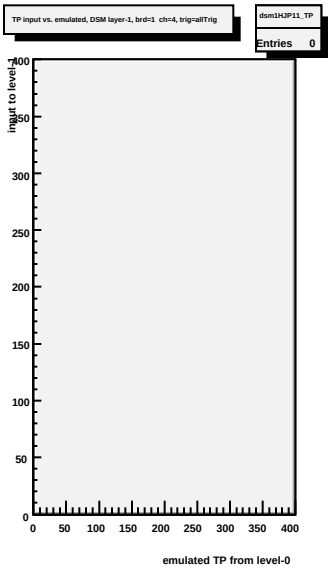

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

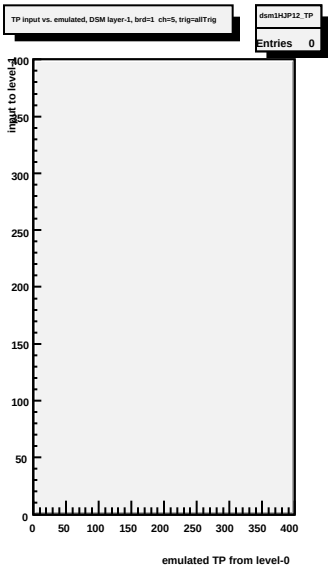

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

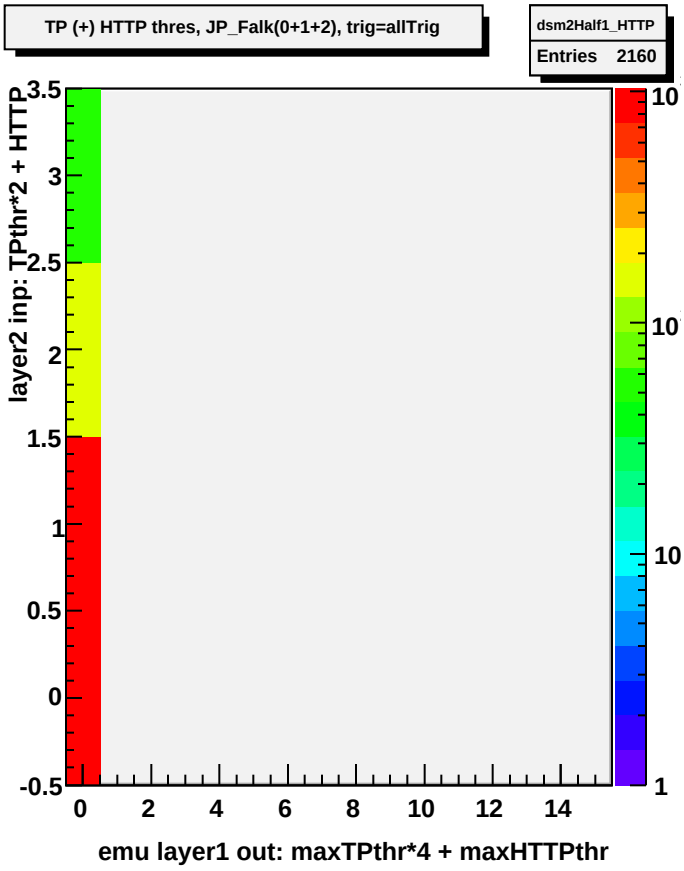

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

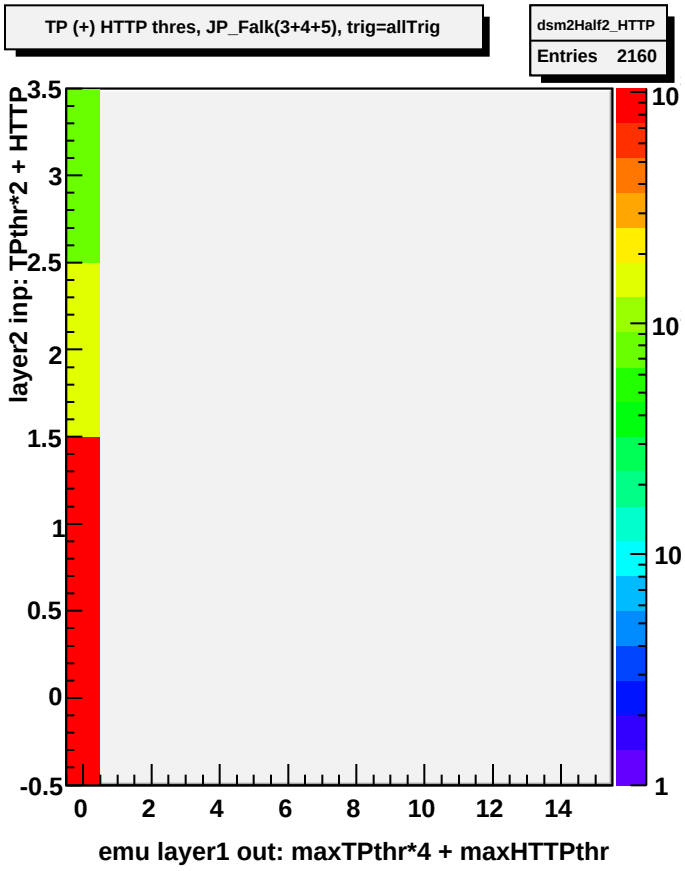

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

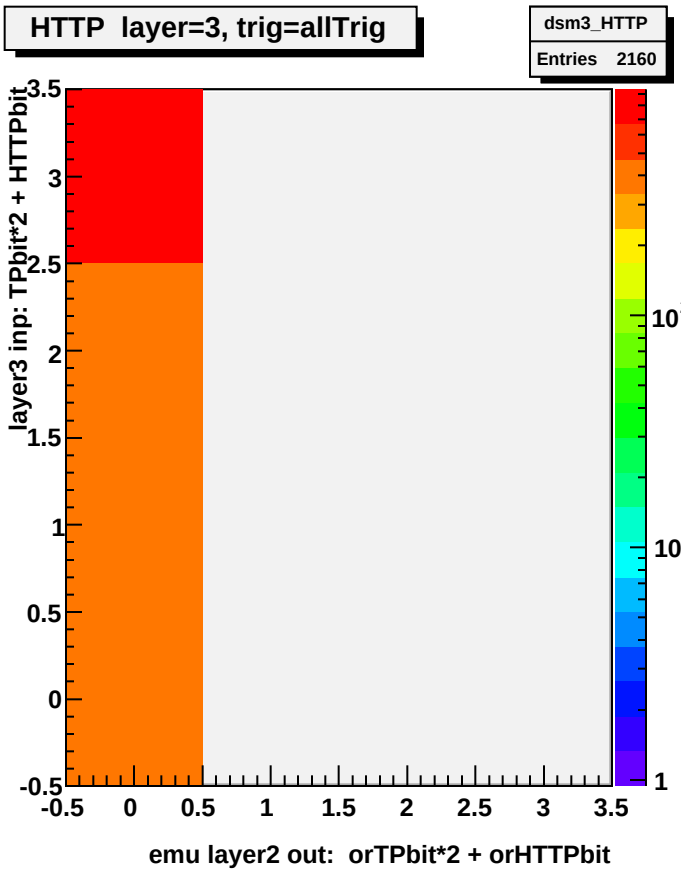

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

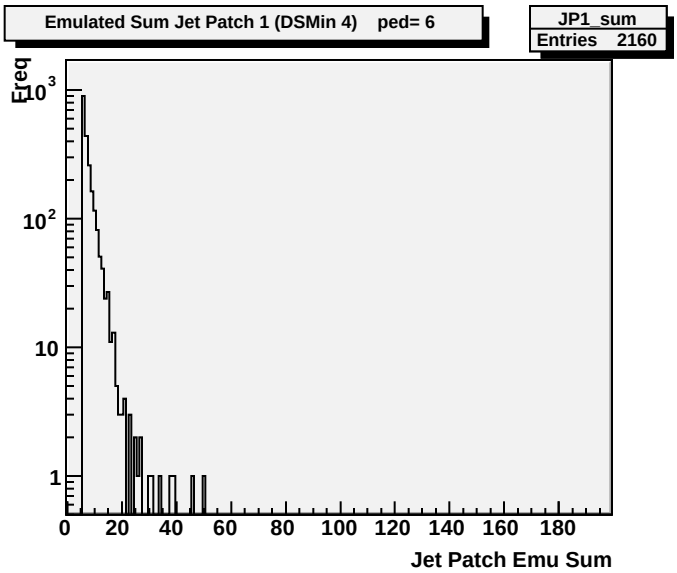

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

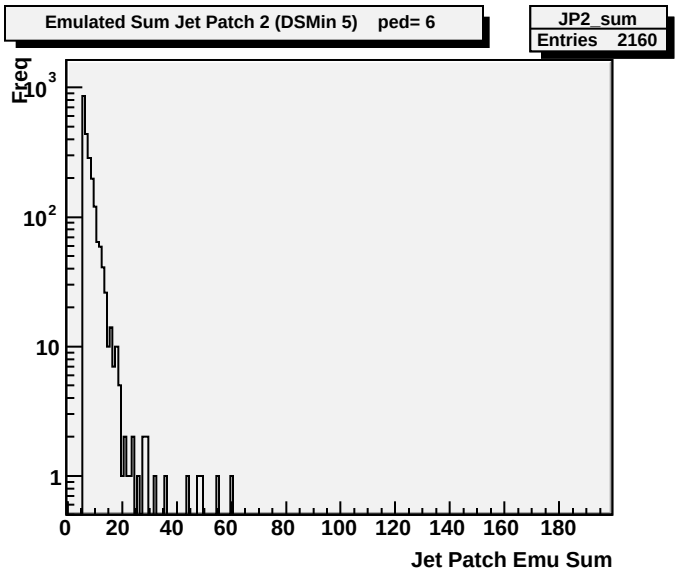

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

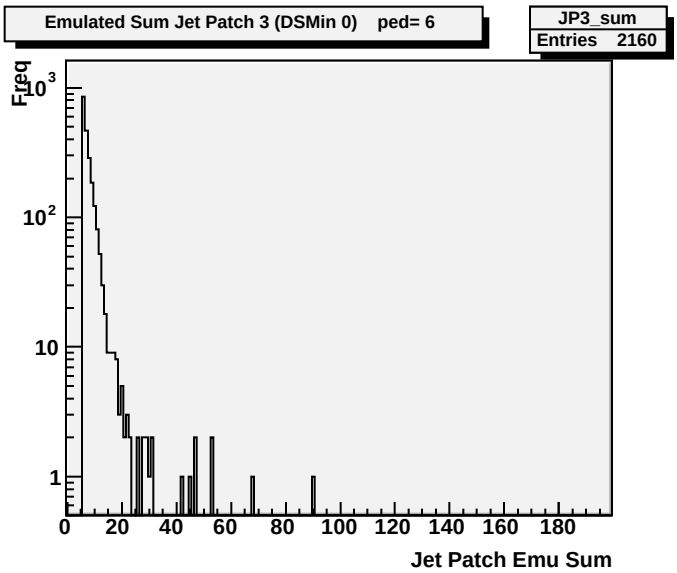

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 2160
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

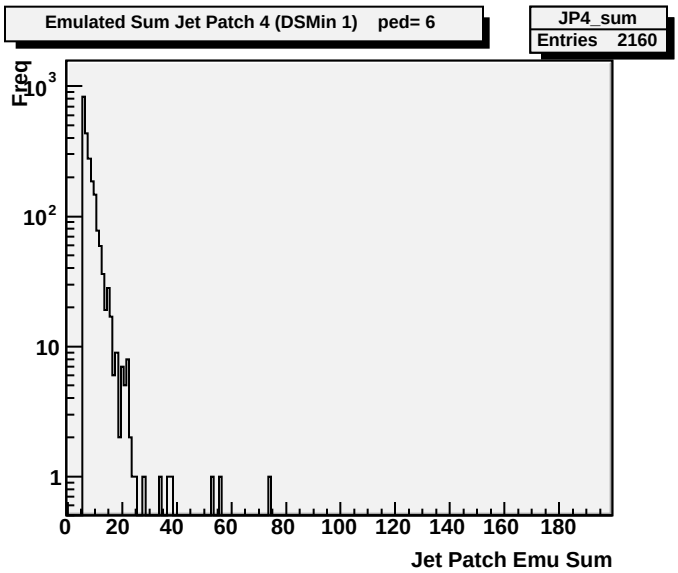

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 2160
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

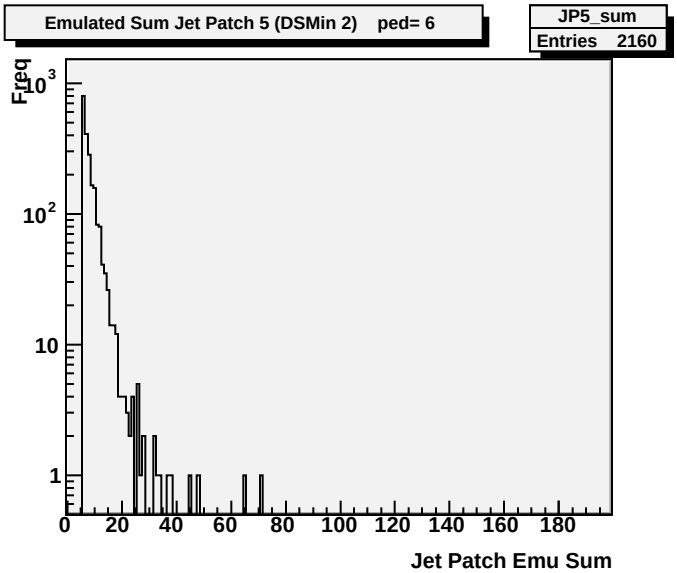

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 2160
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

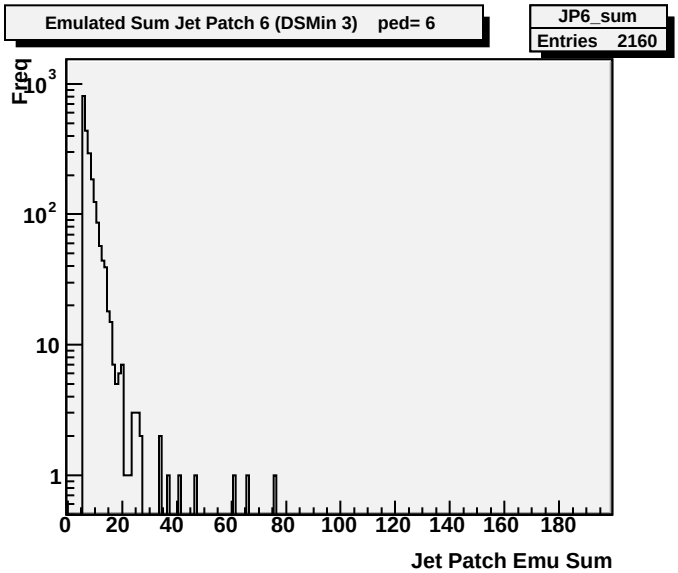

Emulated Sum Jet Patch 1 (DSMin 4) ped= 6
JP1_sum
Entries 2160
Freq
Jet Patch Emu Sum

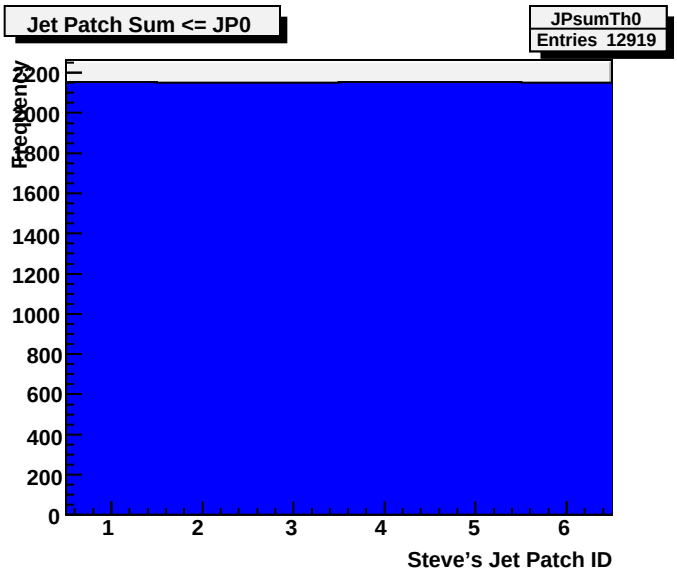

Emulated Sum Jet Patch 2 (DSMin 5) ped= 6
JP2_sum
Entries 2160
Freq
Jet Patch Emu Sum

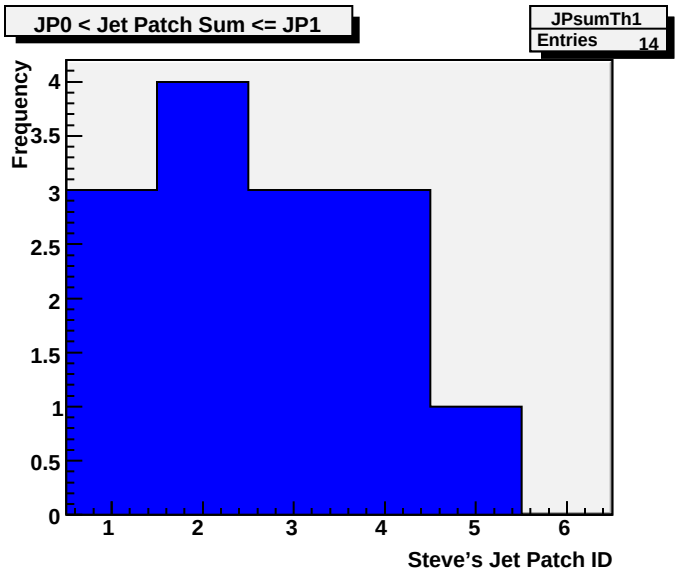

Emulated Sum Jet Patch 3 (DSMin 0) ped= 6
JP3_sum
Entries 2160
Freq
Jet Patch Emu Sum

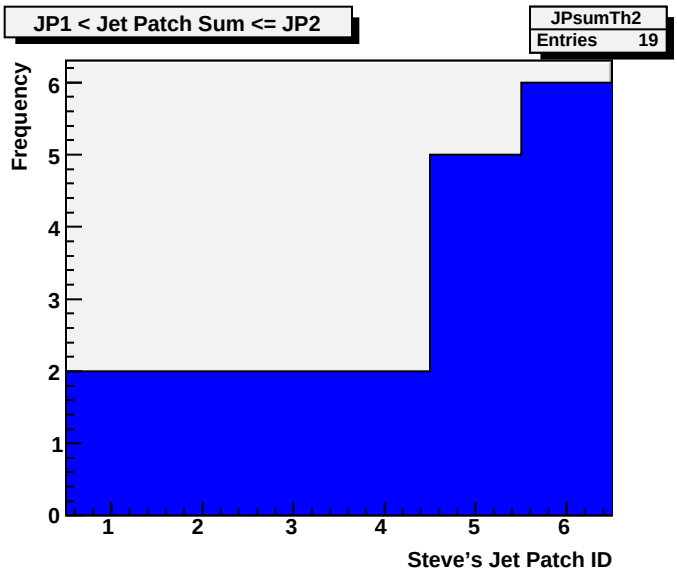

Emulated Sum Jet Patch 4 (DSMin 1) ped= 6
JP4_sum
Entries 2160
Freq
Jet Patch Emu Sum

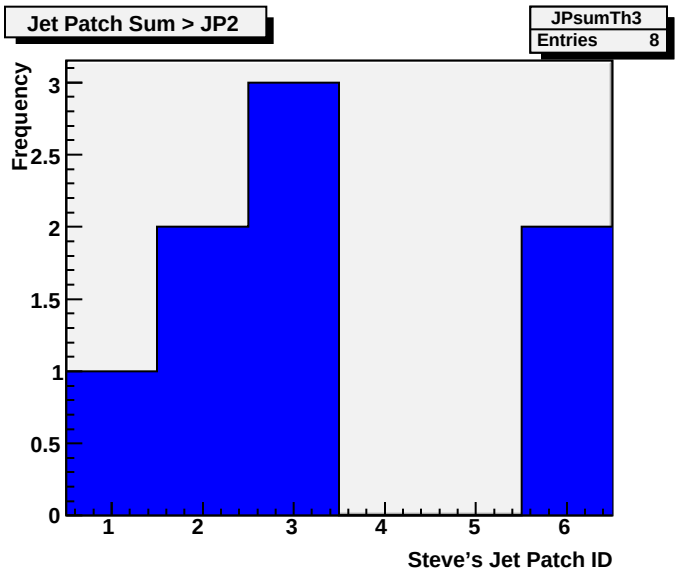

Emulated Sum Jet Patch 5 (DSMin 2) ped= 6
JP5_sum
Entries 2160
Freq
Jet Patch Emu Sum

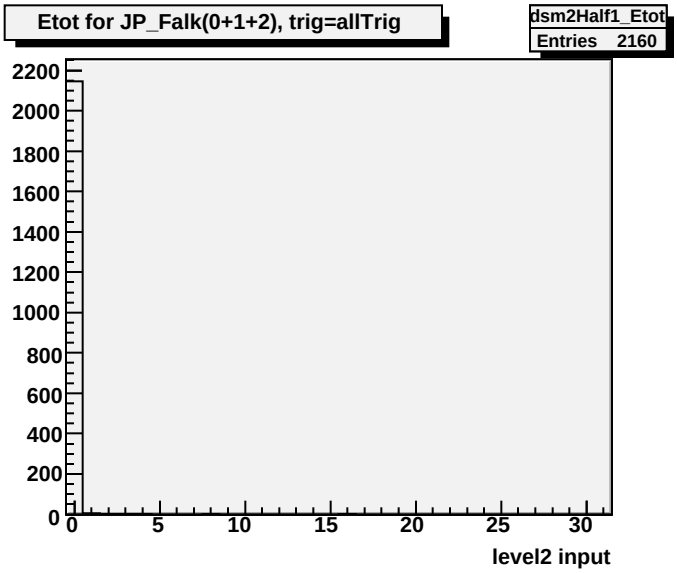

Emulated Sum Jet Patch 6 (DSMin 3) ped= 6
JP6_sum
Entries 2160
Freq
Jet Patch Emu Sum

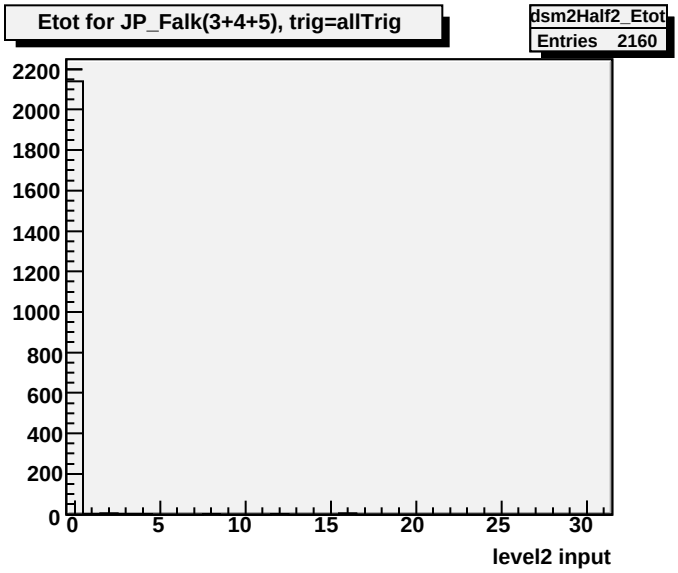

Jet Patch Sum <= JP0
JPsumTh0
Entries 12919
Frequency
Steve's Jet Patch ID

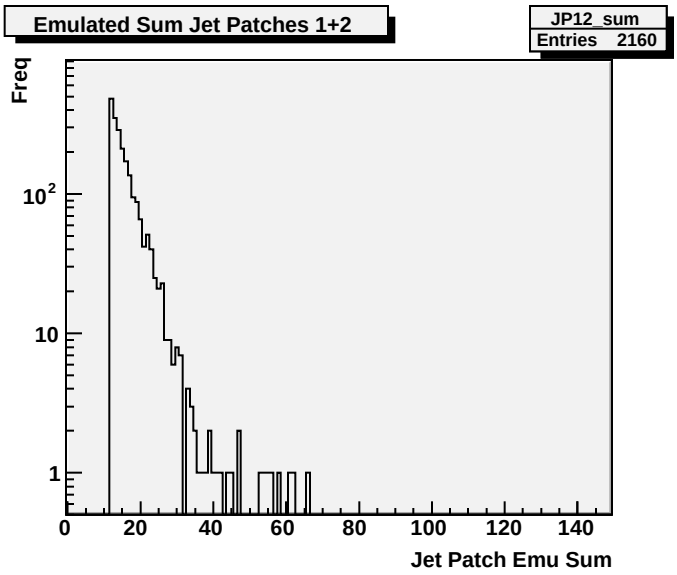

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 14
Frequency
Steve's Jet Patch ID

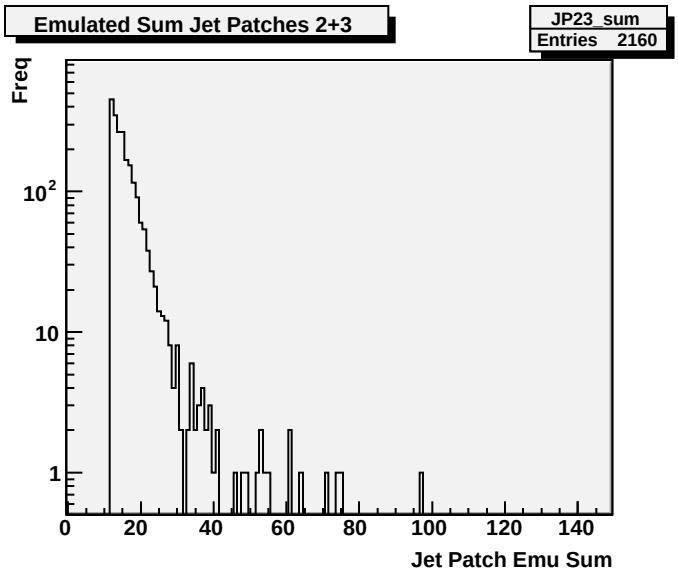

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 19
Frequency
Steve's Jet Patch ID

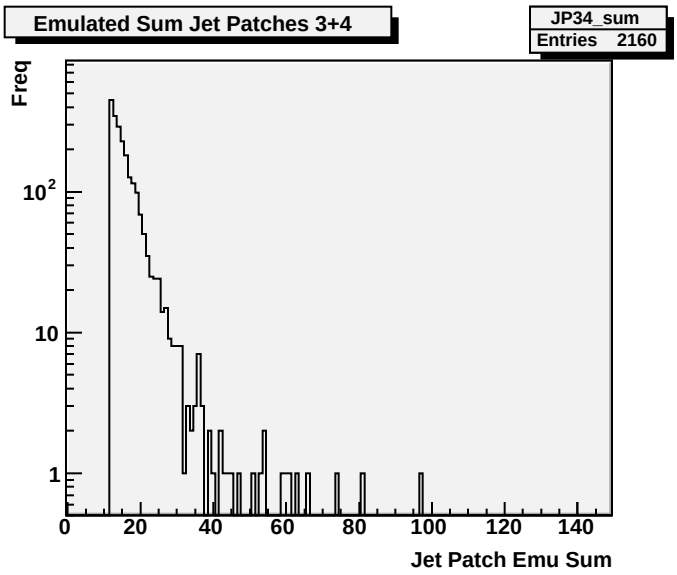

Jet Patch Sum > JP2
JPsumTh3
Entries 8
Frequency
Steve's Jet Patch ID

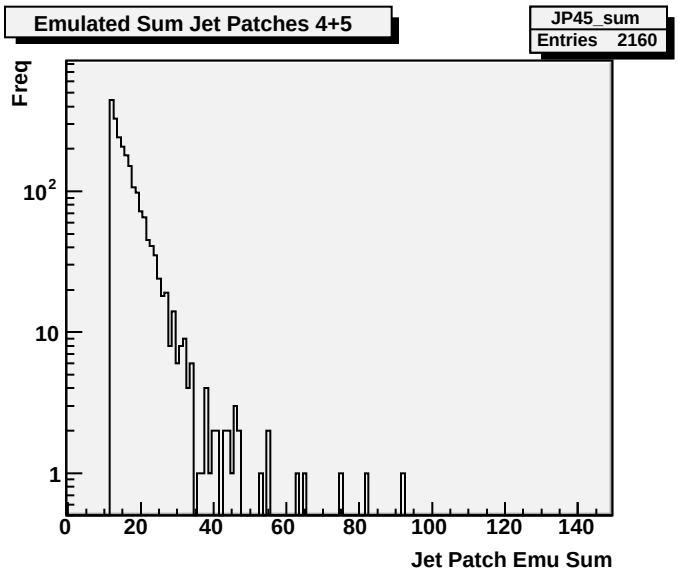

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 2160
level2 input

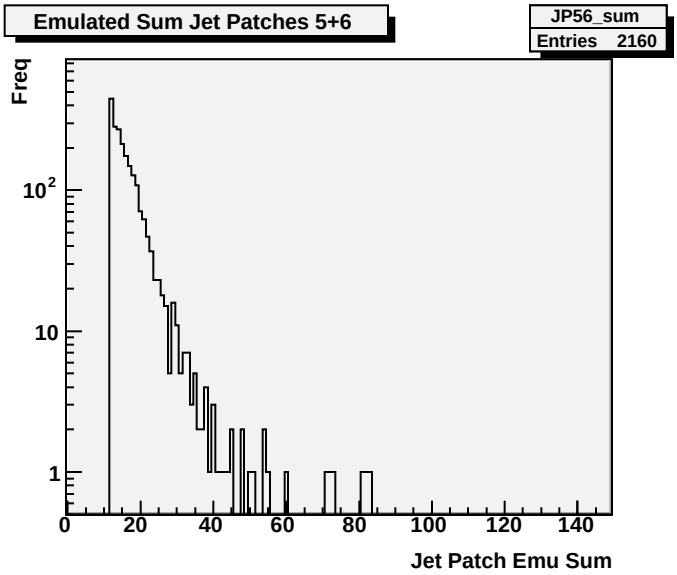

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 2160
level2 input

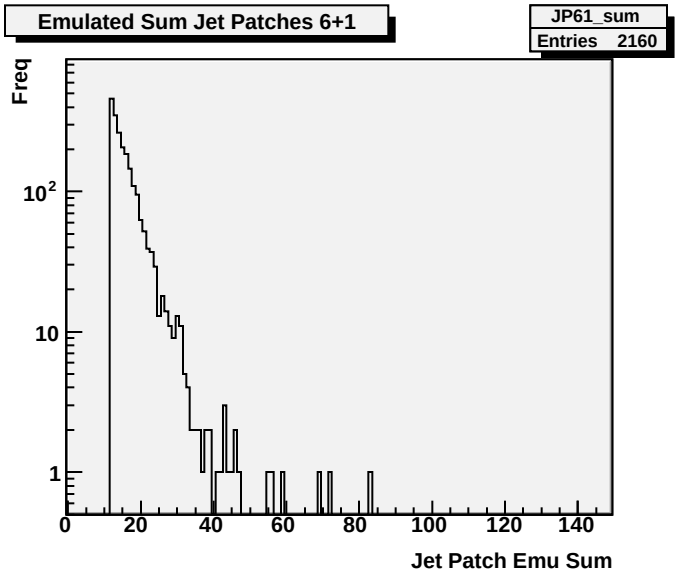

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 2160
Freq
Jet Patch Emu Sum

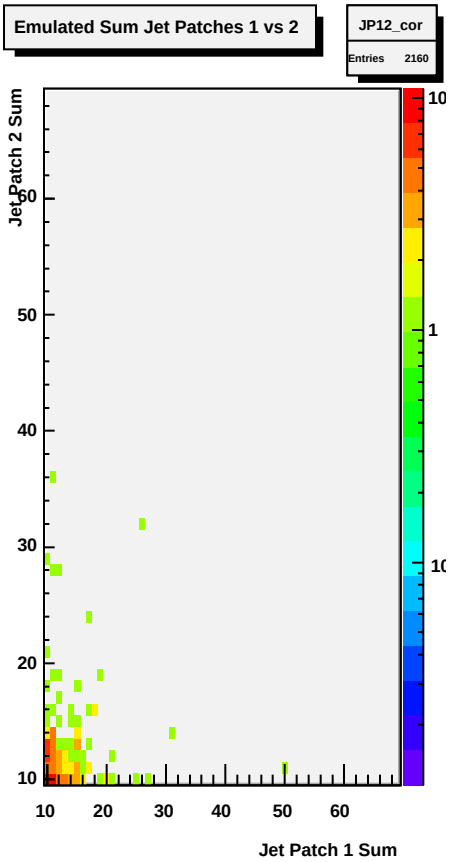

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 2160
Freq
Jet Patch Emu Sum

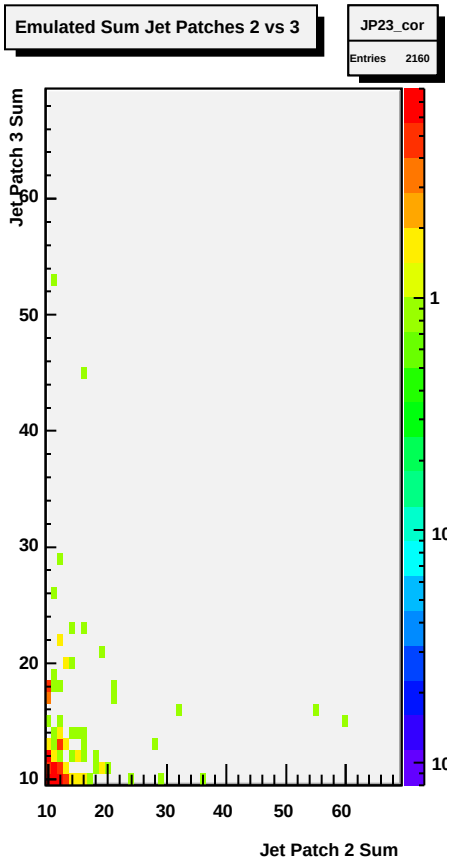

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 2160
Freq
Jet Patch Emu Sum

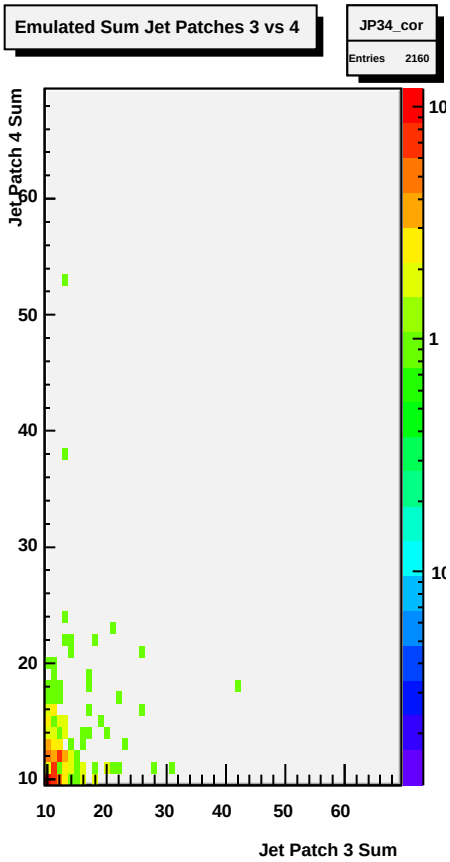

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 2160
Freq
Jet Patch Emu Sum

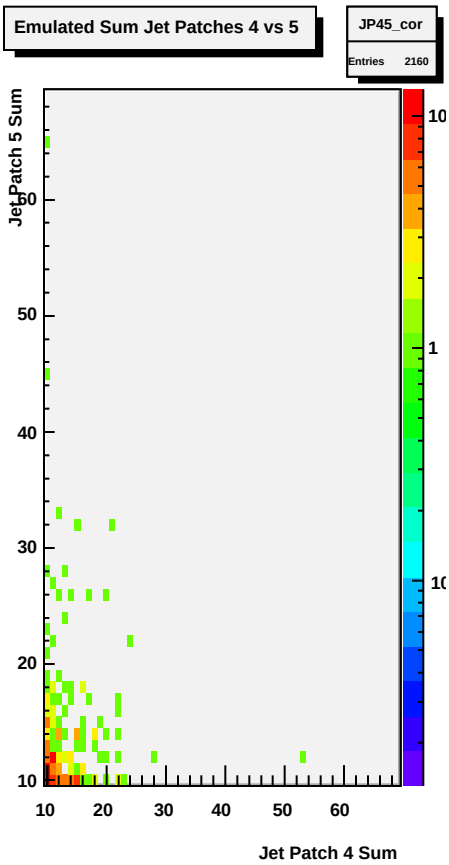

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 2160
Freq
Jet Patch Emu Sum

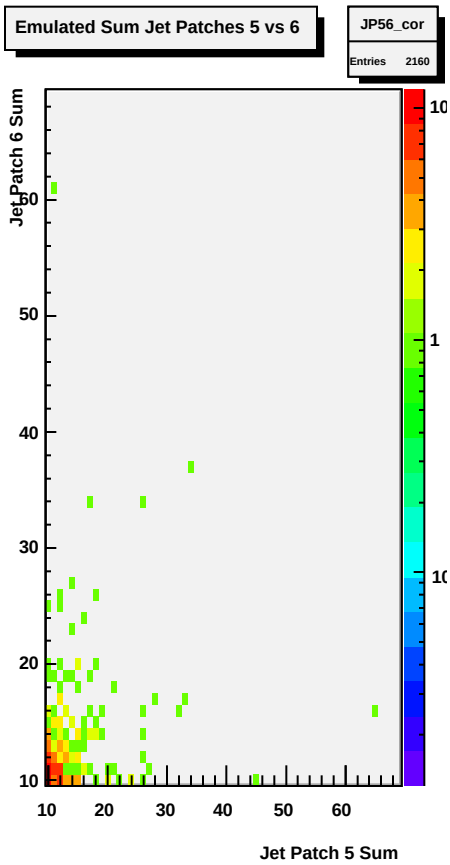

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 2160
Freq
Jet Patch Emu Sum

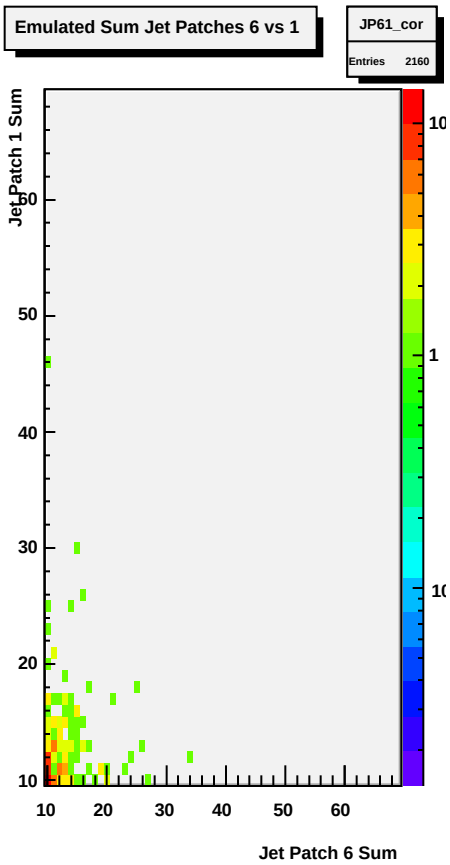

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 2160
Jet Patch 2 Sum
Jet Patch 1 Sum

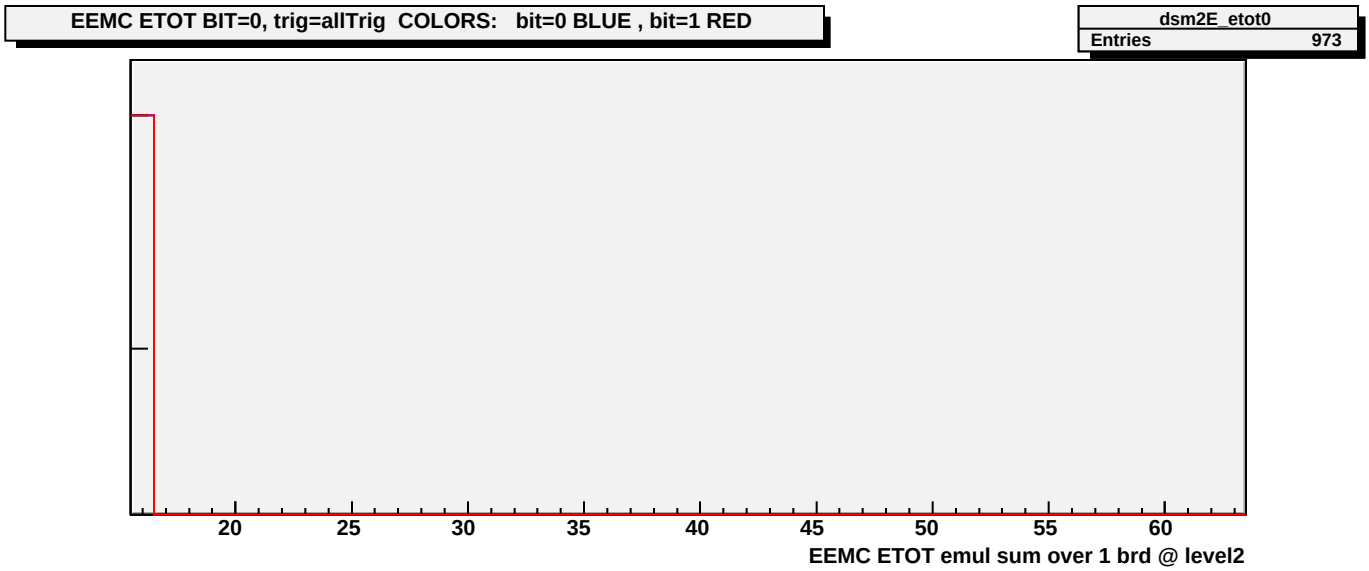

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 2160
Jet Patch 3 Sum
Jet Patch 2 Sum

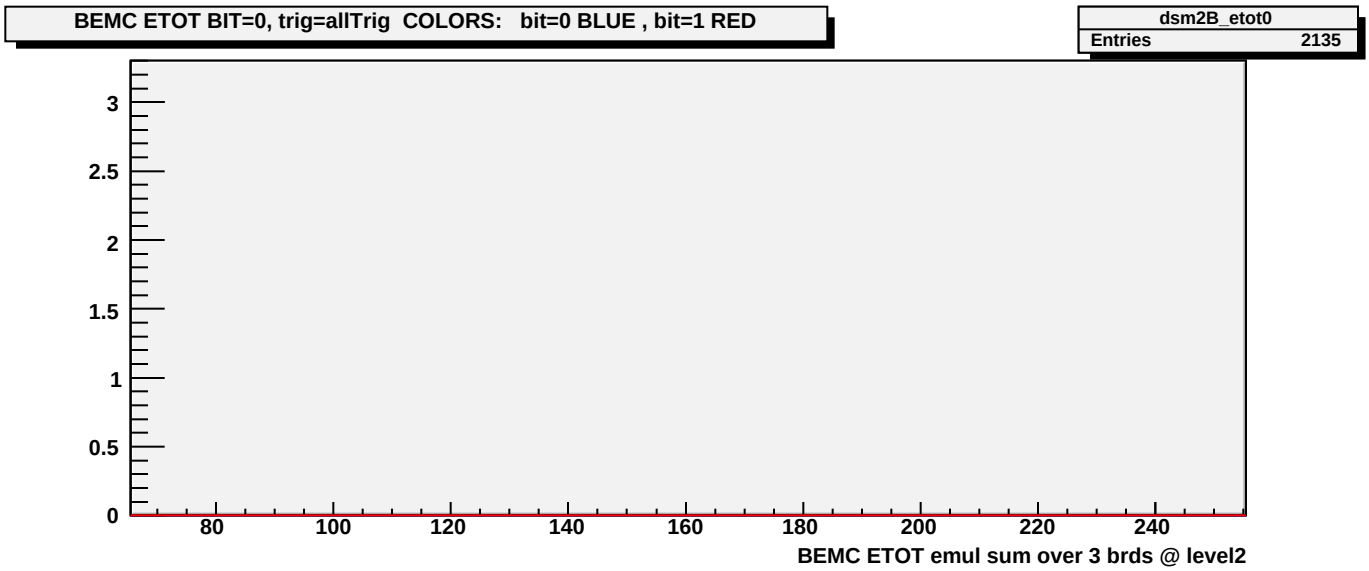

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 2160
Jet Patch 4 Sum
Jet Patch 3 Sum

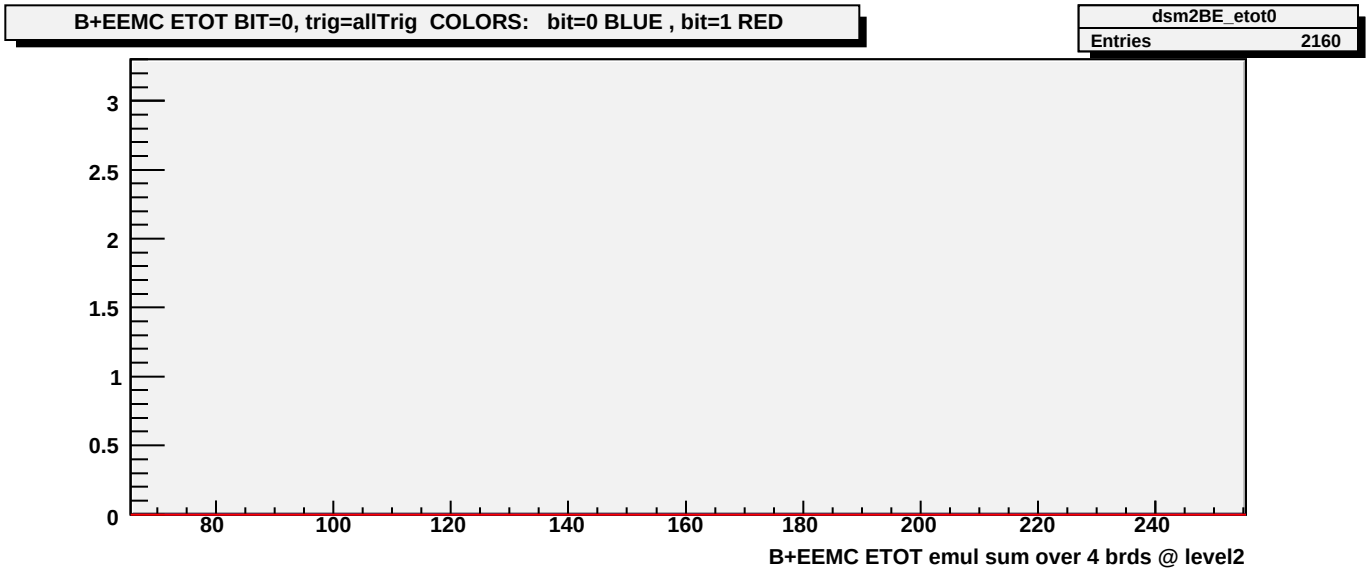

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 2160
Jet Patch 5 Sum
Jet Patch 4 Sum

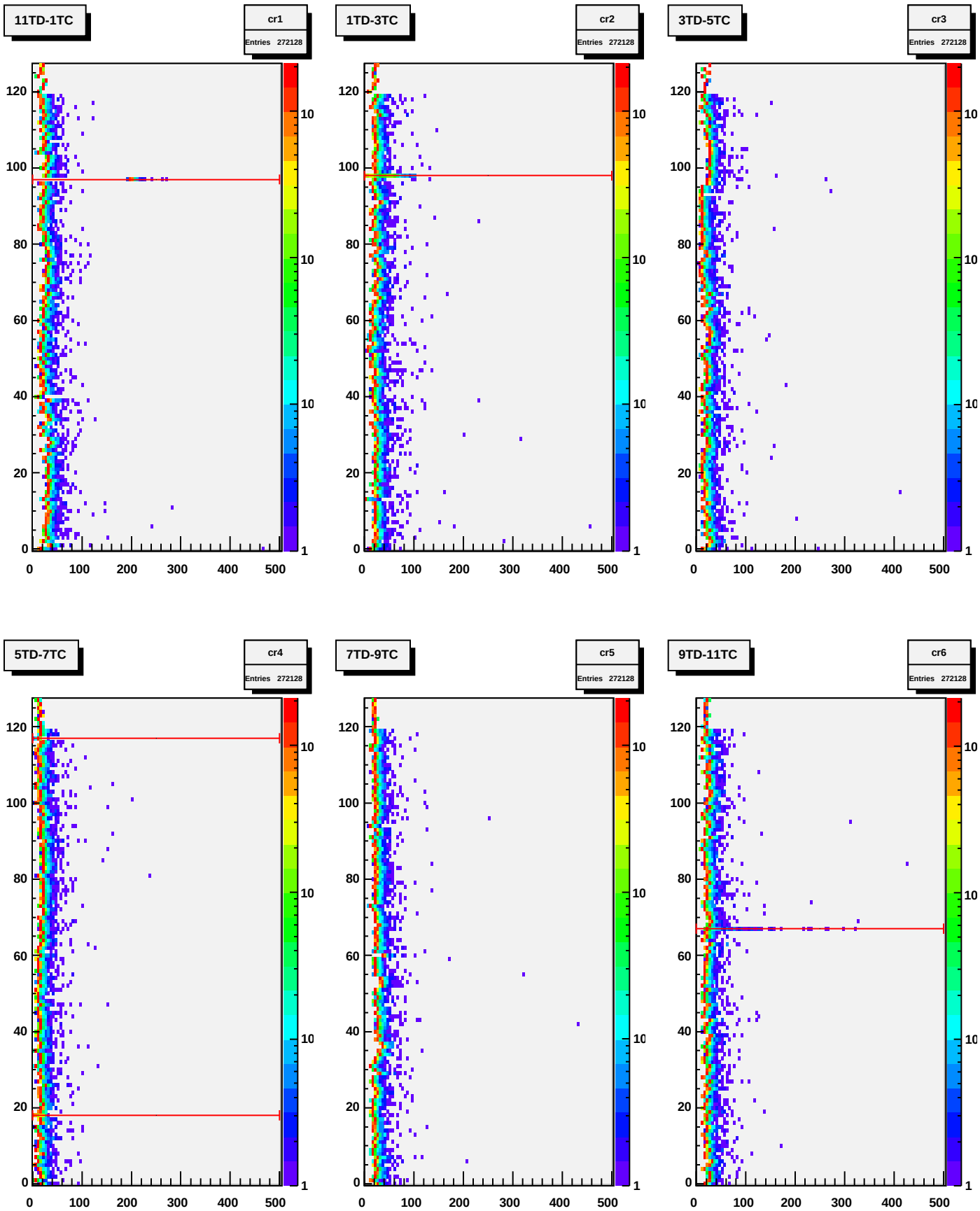

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 2160
Jet Patch 6 Sum
Jet Patch 5 Sum

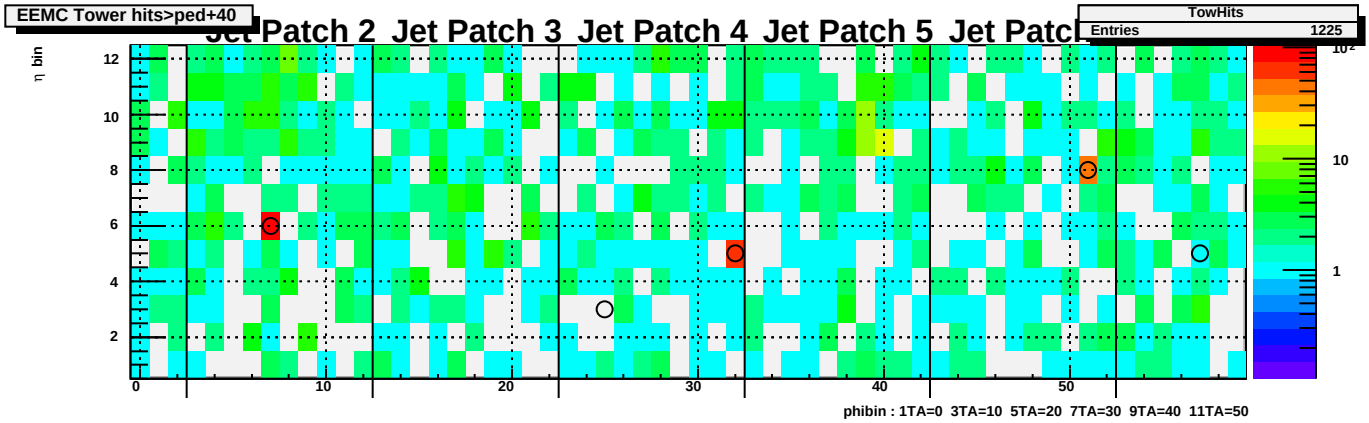

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 2160
Jet Patch 1 Sum
Jet Patch 6 Sum

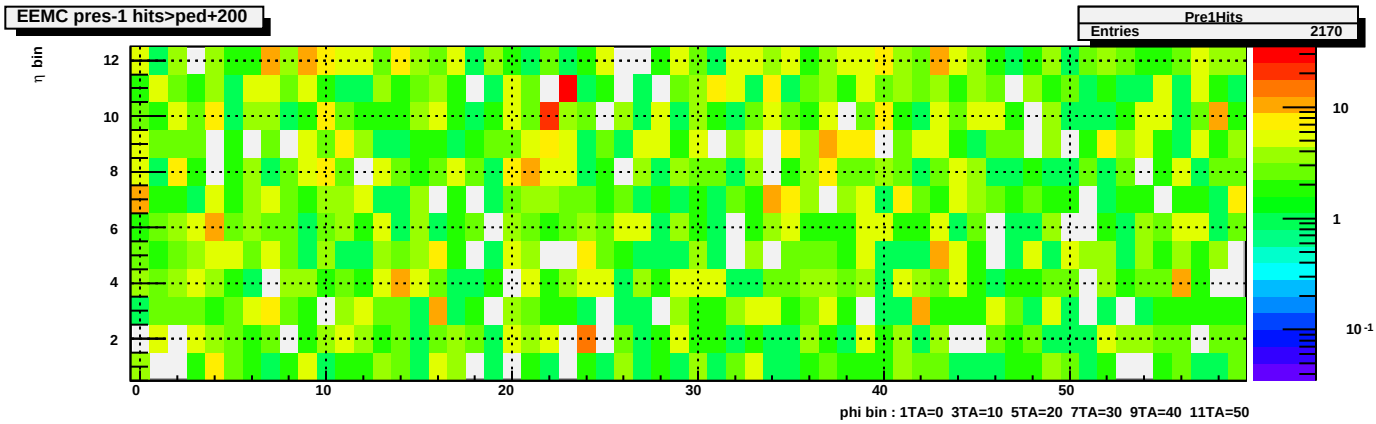

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 973
20
25
30
35
40
45
50
55
60
EEMC ETOT emul sum over 1 brd @ level2

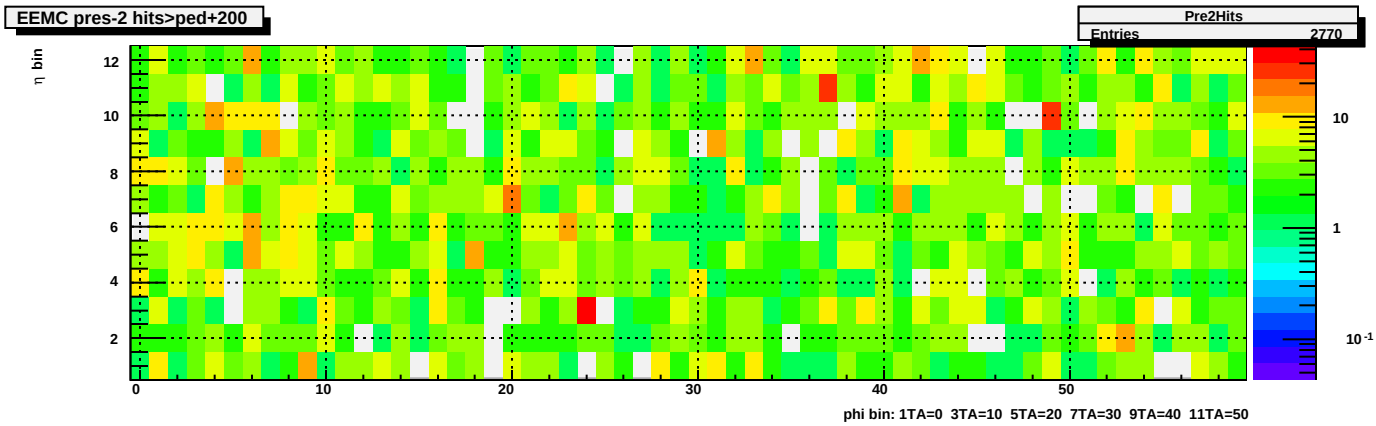

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 2135
3
2.5
2
1.5
1
0.5
0
80
100
120
140
160
180
200
220
240
BEMC ETOT emul sum over 3 brds @ level2

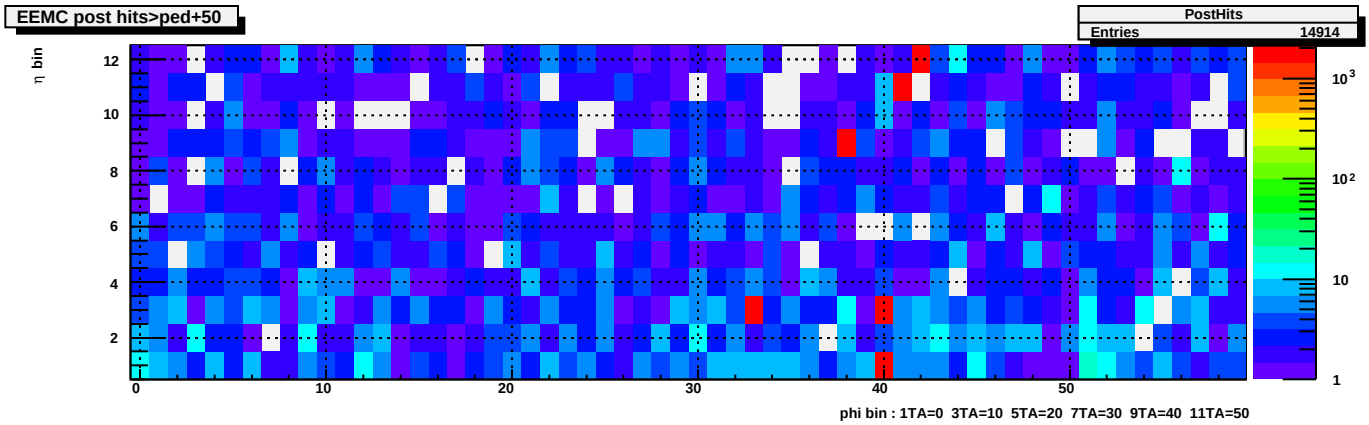

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 2160
3
2.5
2
1.5
1
0.5
0
80
100
120
140
160
180
200
220
240
B+EEMC ETOT emul sum over 4 brds @ level2

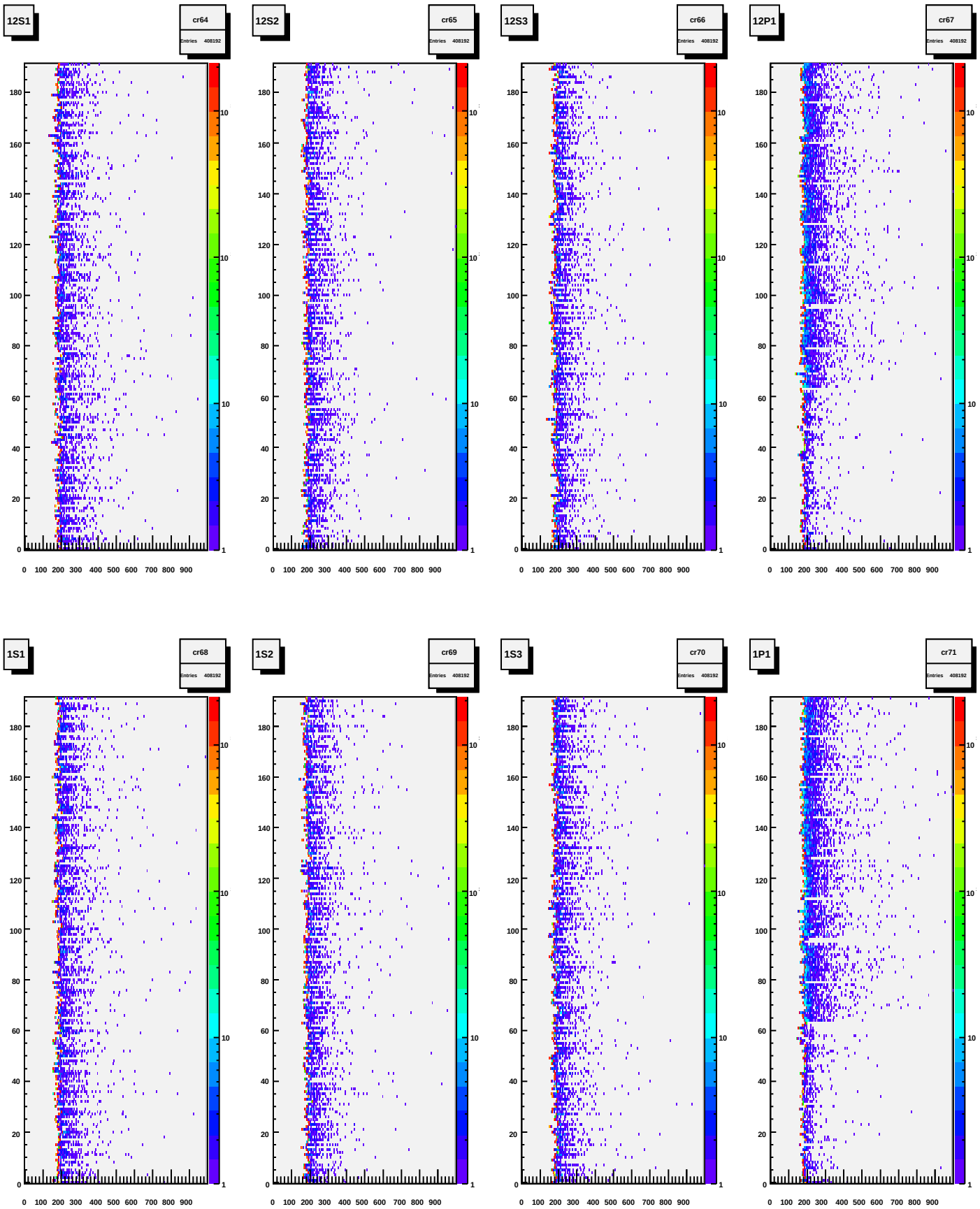

11TD-1TC
cr1
Entries 272128
1TD-3TC
cr2
Entries 272128
3TD-5TC
cr3
Entries 272128
5TD-7TC
cr4
Entries 272128
7TD-9TC
cr5
Entries 272128
9TD-11TC
cr6
Entries 272128
0 100 200 300 400 500
0 20 40 60 80 100 120
1 10 10 10 10

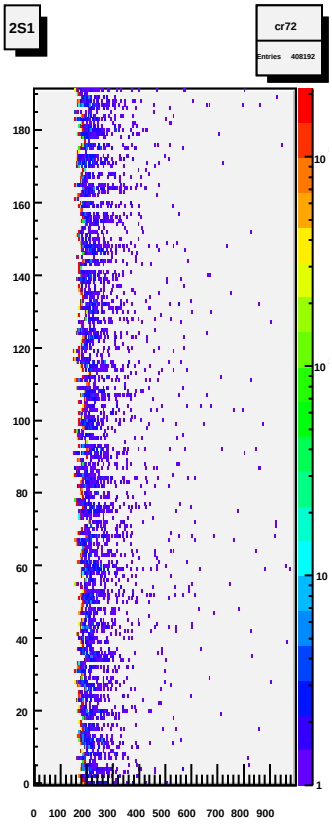

EEMC Tower hits>ped+40
Jet Patch 2 Jet Patch 3 Jet Patch 4 Jet Patch 5 Jet Patch
TowHits
Entries 1225
η bin
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

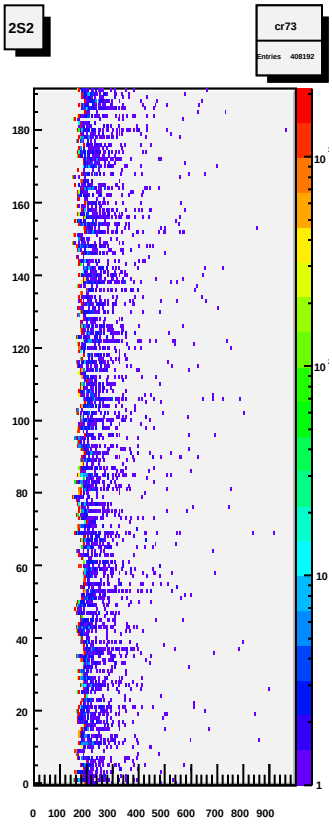

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 2170
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

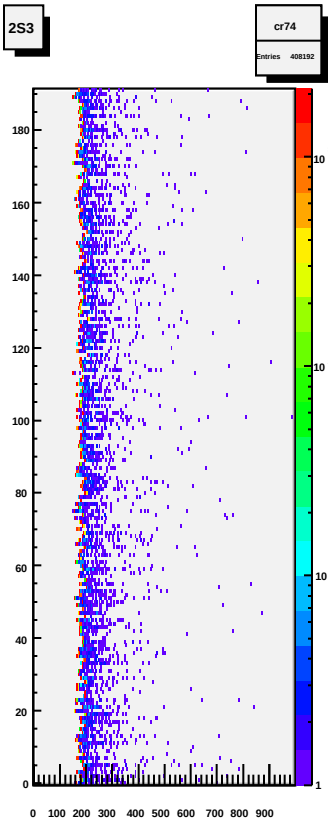

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 2770
η bin
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

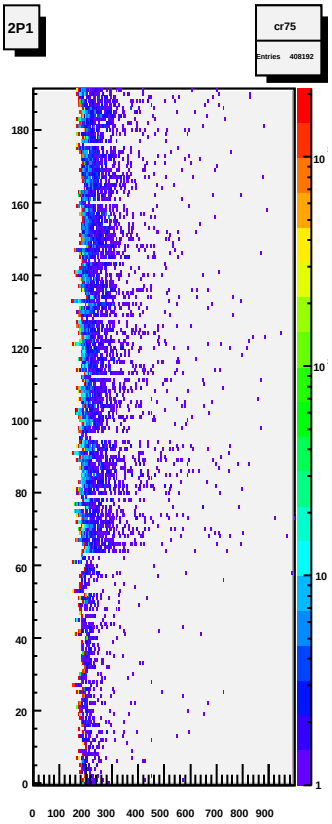

EEMC post hits>ped+50
PostHits
Entries 14914
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

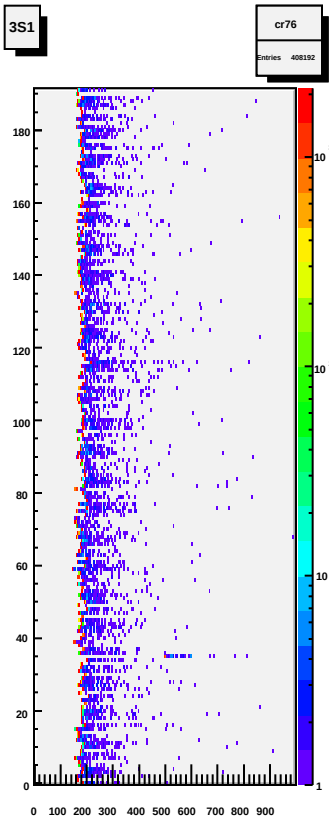

12S1
cr64
Entries 408192
12S2
cr65
Entries 408192
12S3
cr66
Entries 408192
12P1
cr67
Entries 408192
1S1
cr68
Entries 408192
1S2
cr69
Entries 408192
1S3
cr70
Entries 408192
1P1
cr71
Entries 408192
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1 10 10 10

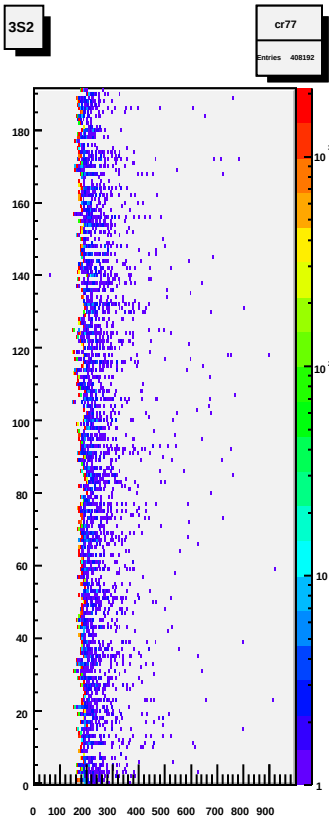

2S1
cr72
Entries 408192

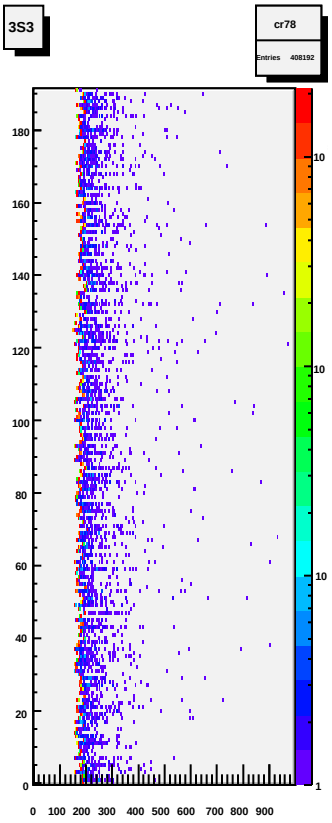

2S2
cr73
Entries 408192

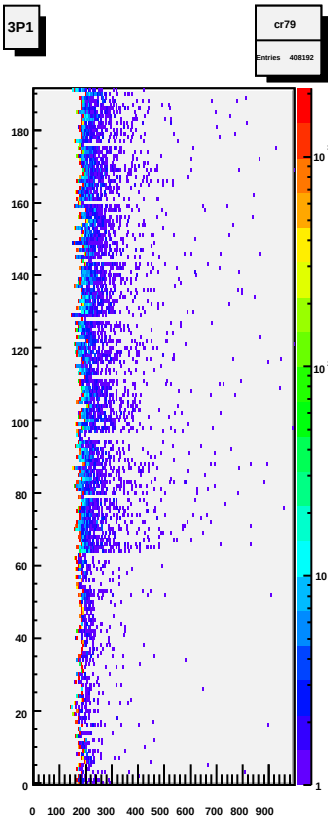

2S3
cr74
Entries 408192

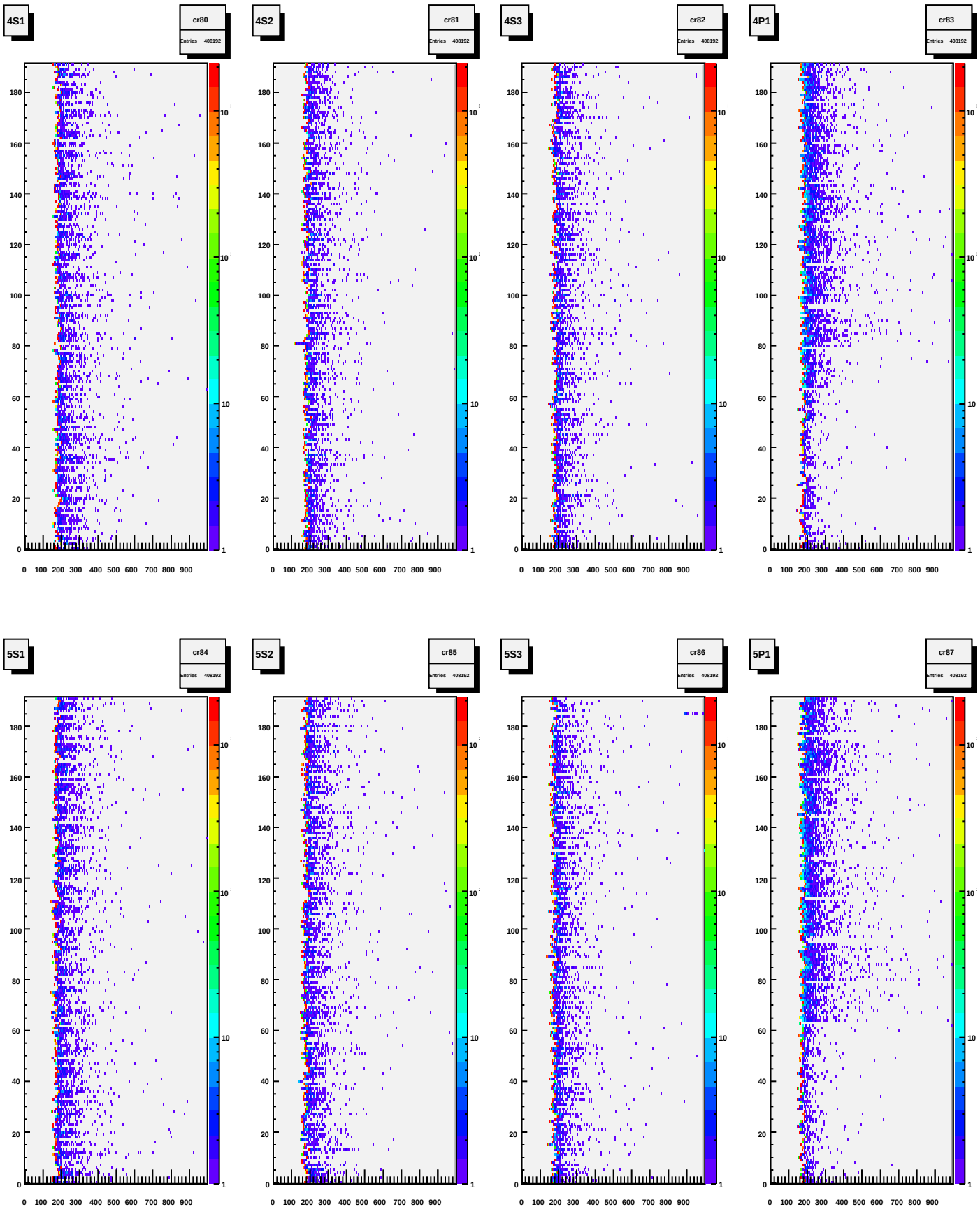

2P1
cr75
Entries 408192

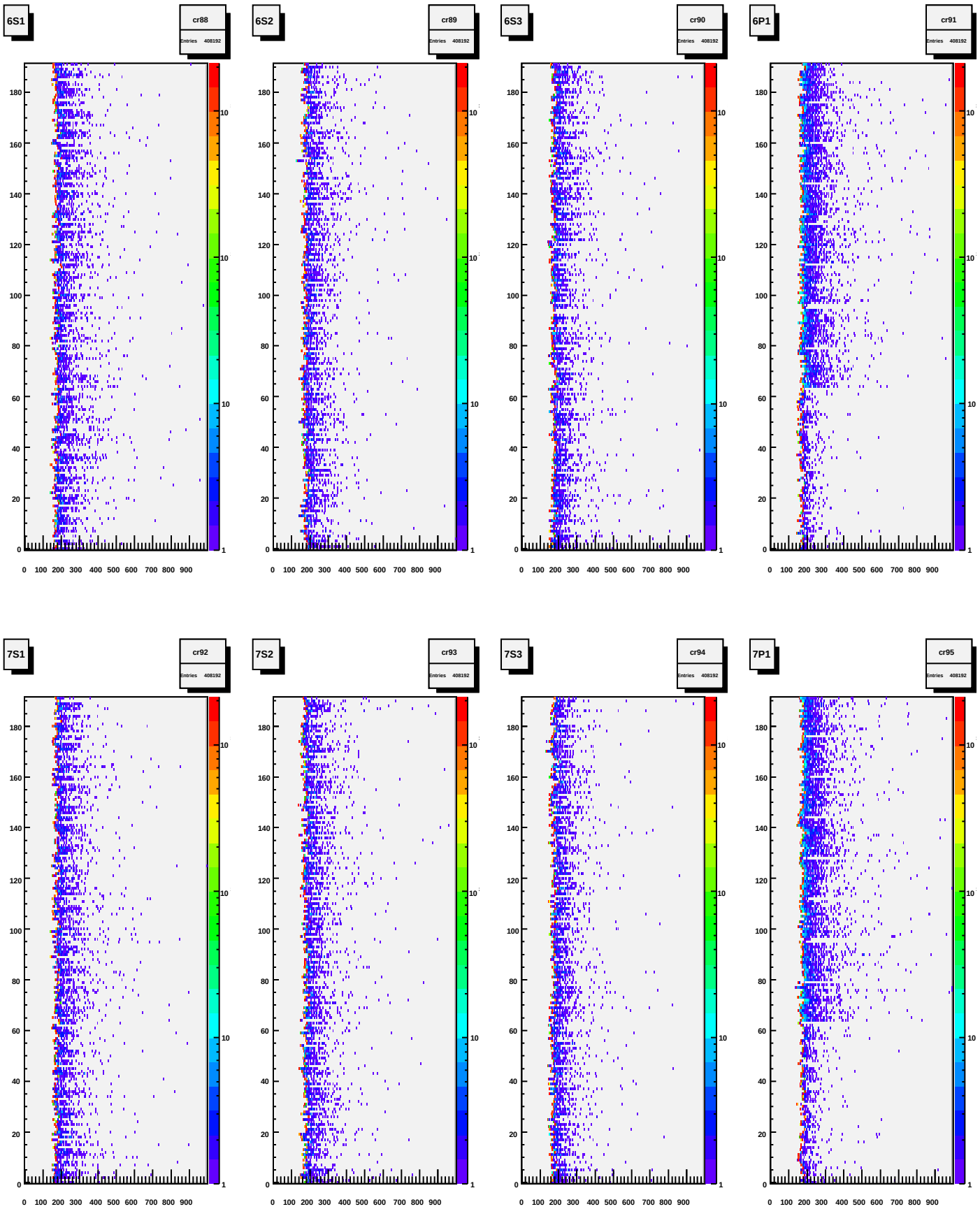

3S1
cr76
Entries 408192

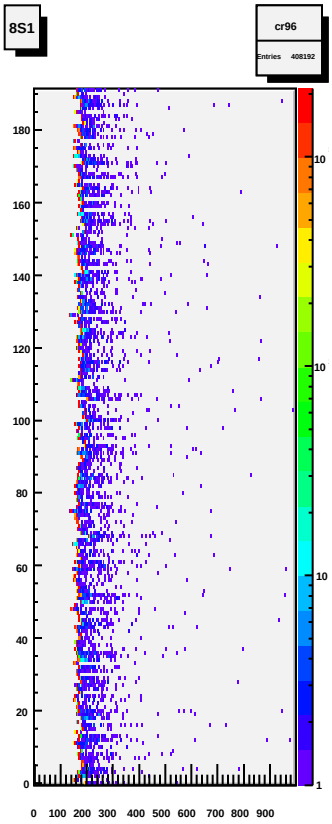

3S2
cr77
Entries 408192

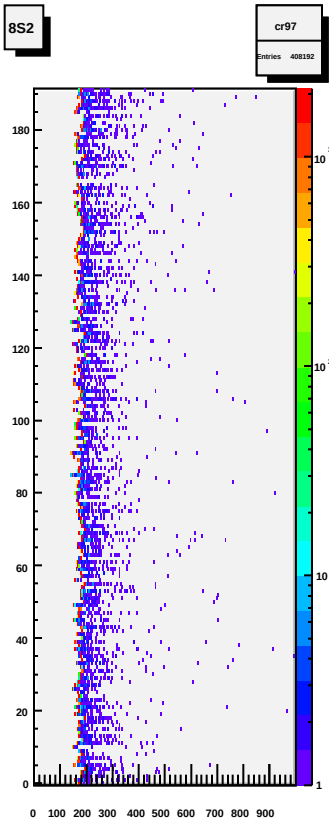

3S3
cr78
Entries 408192

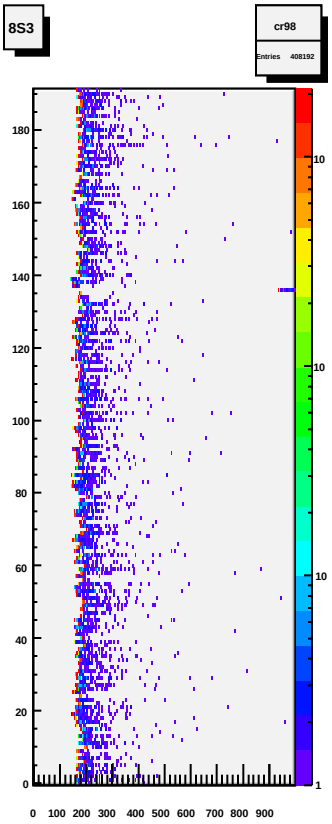

3P1
cr79
Entries 408192

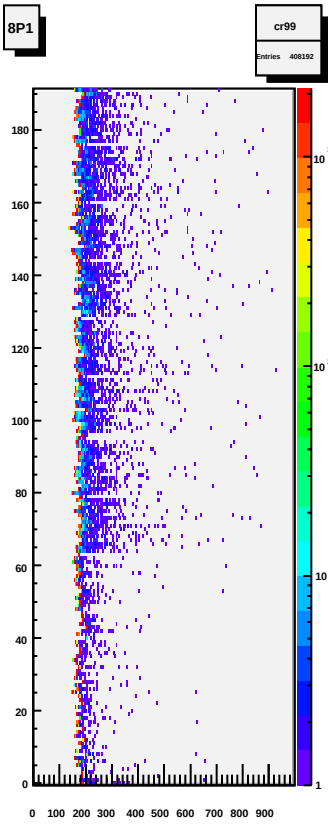

4S1
cr80
Entries 408192
4S2
cr81
Entries 408192
4S3
cr82
Entries 408192
4P1
cr83
Entries 408192
5S1
cr84
Entries 408192
5S2
cr85
Entries 408192
5S3
cr86
Entries 408192
5P1
cr87
Entries 408192
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1 10 10 10

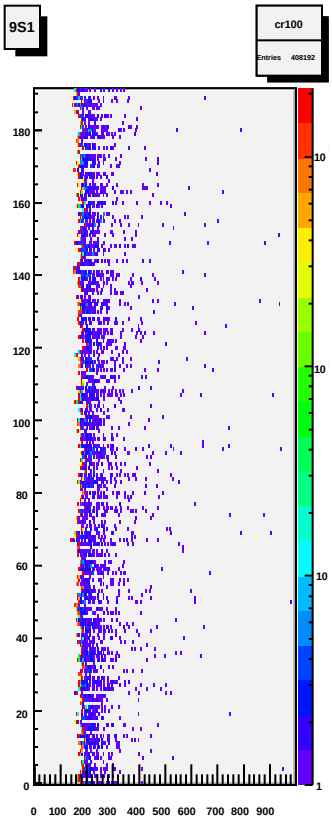

6S1
cr88
Entries 408192
6S2
cr89
Entries 408192
6S3
cr90
Entries 408192
6P1
cr91
Entries 408192
7S1
cr92
Entries 408192
7S2
cr93
Entries 408192
7S3
cr94
Entries 408192
7P1
cr95
Entries 408192
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1 10 10

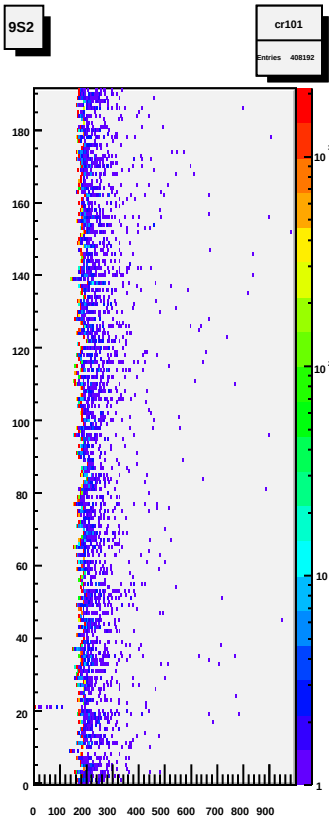

8S1
cr96
Entries 408192

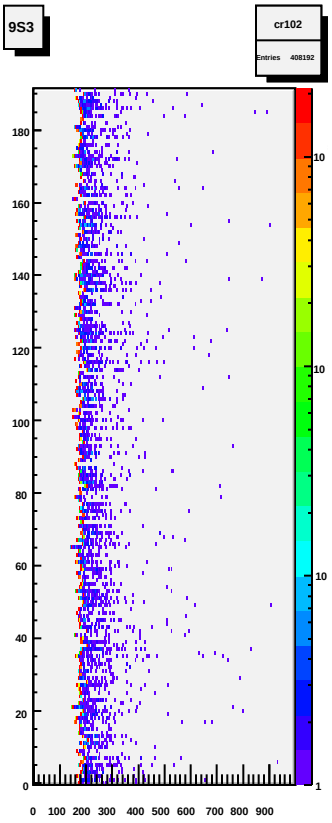

8S2
cr97
Entries 408192

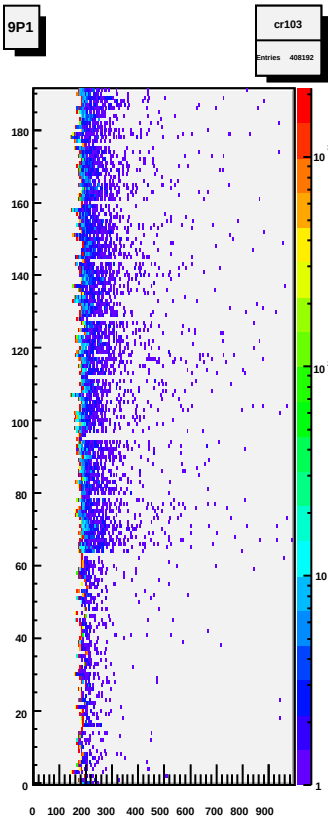

8S3
cr98
Entries 408192

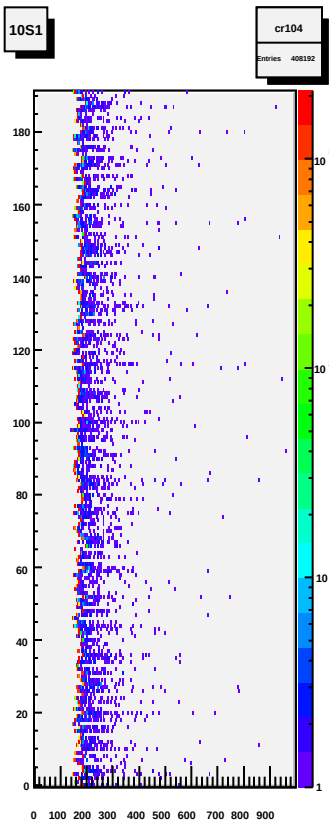

8P1
cr99
Entries 408192

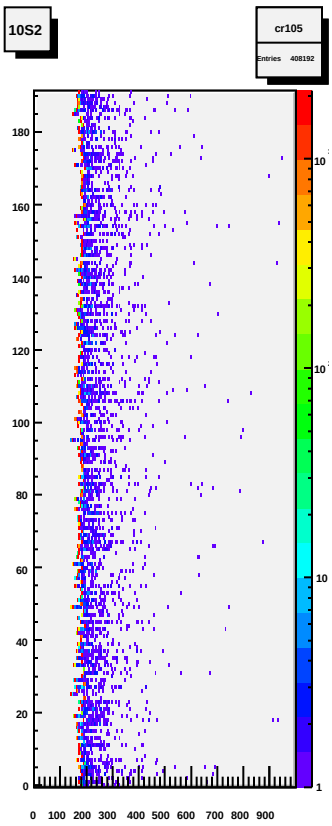

9S1
cr100
Entries 408192

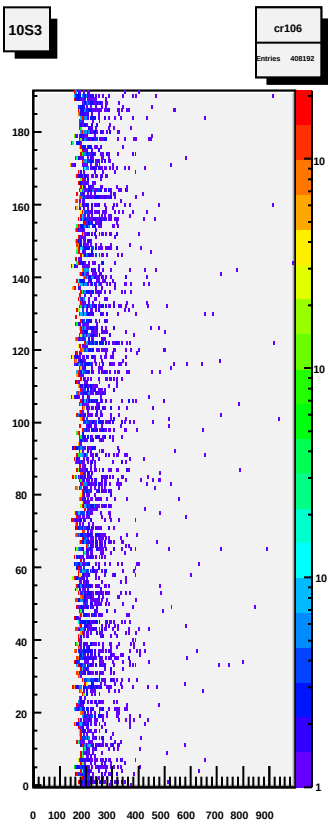

9S2
cr101
Entries 408192

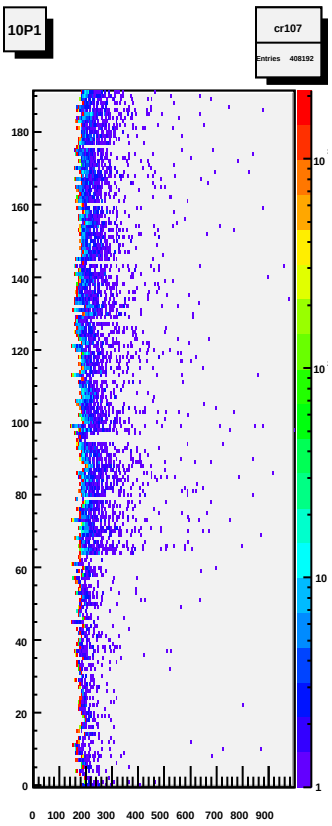

9S3
cr102
Entries 408192

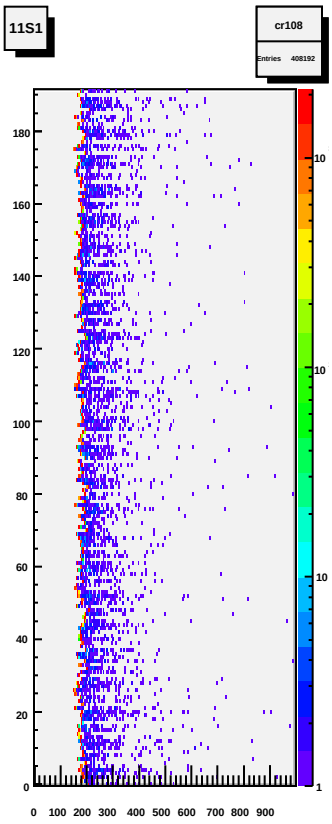

9P1
cr103
Entries 408192

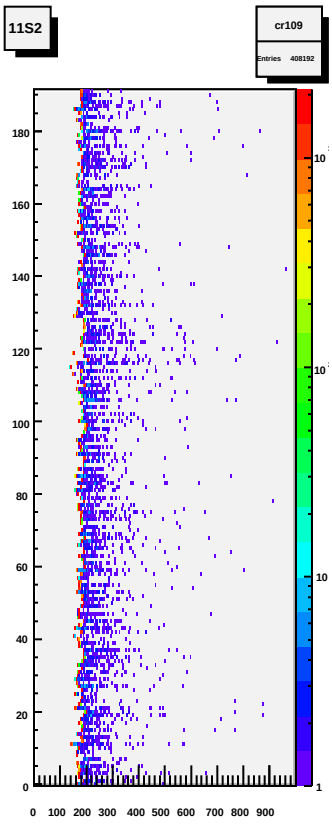

10S1
cr104
Entries 408192

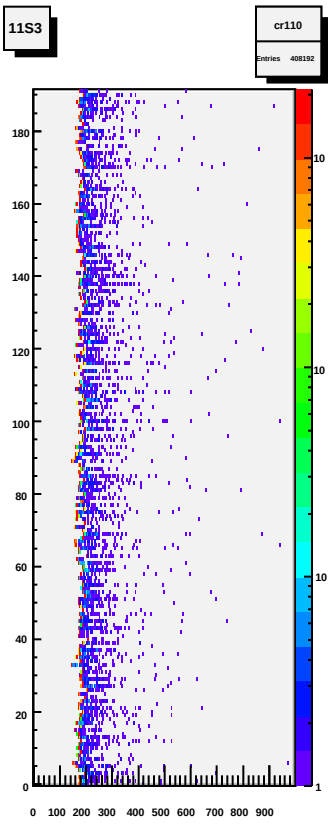

10S2
cr105
Entries 408192

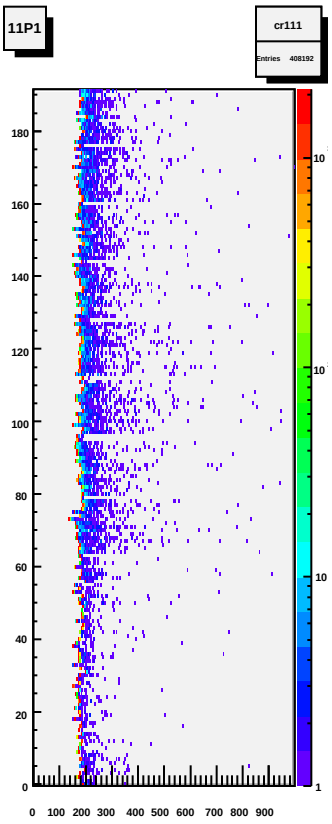

10S3
cr106
Entries 408192

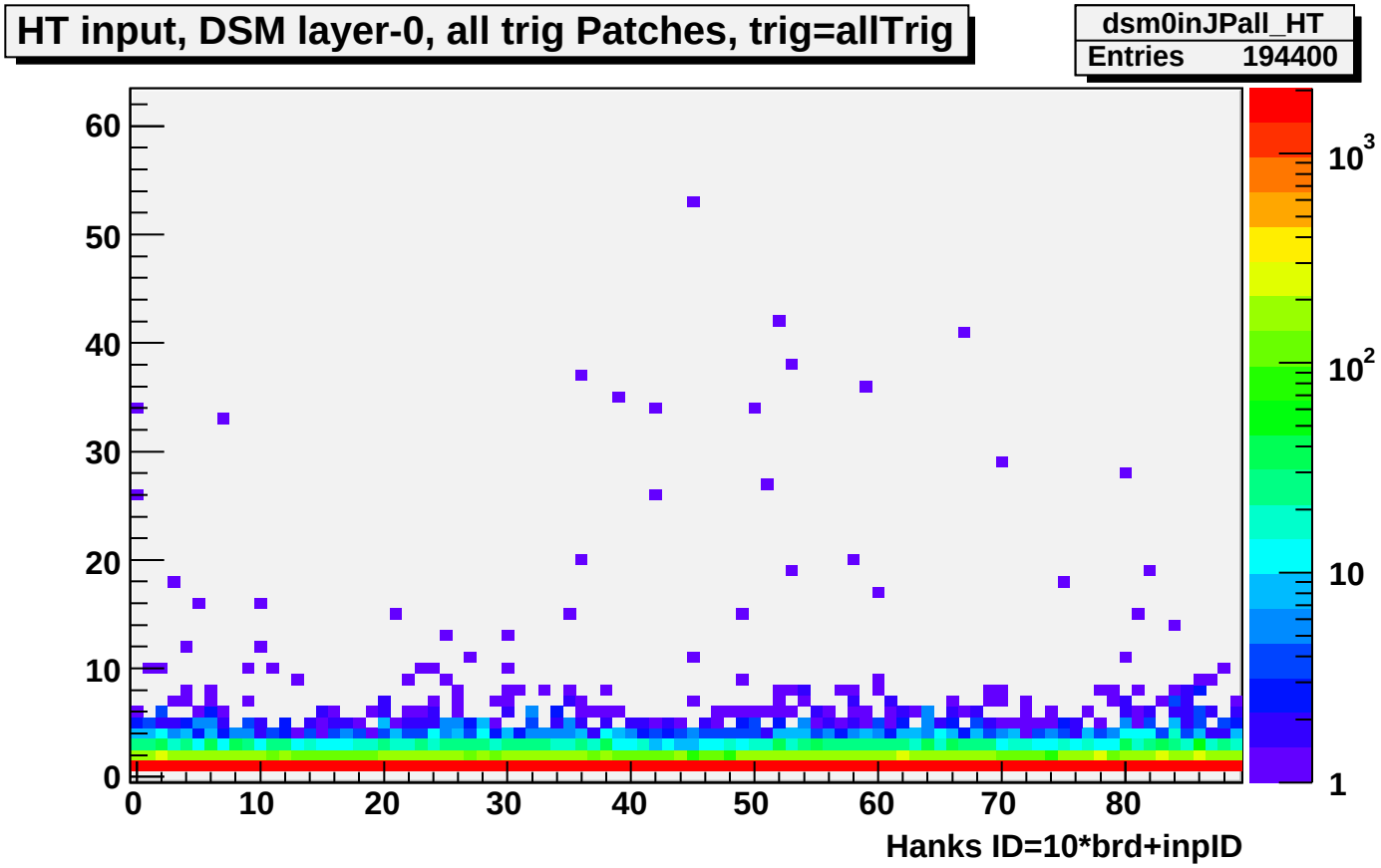

10P1
cr107
Entries 408192

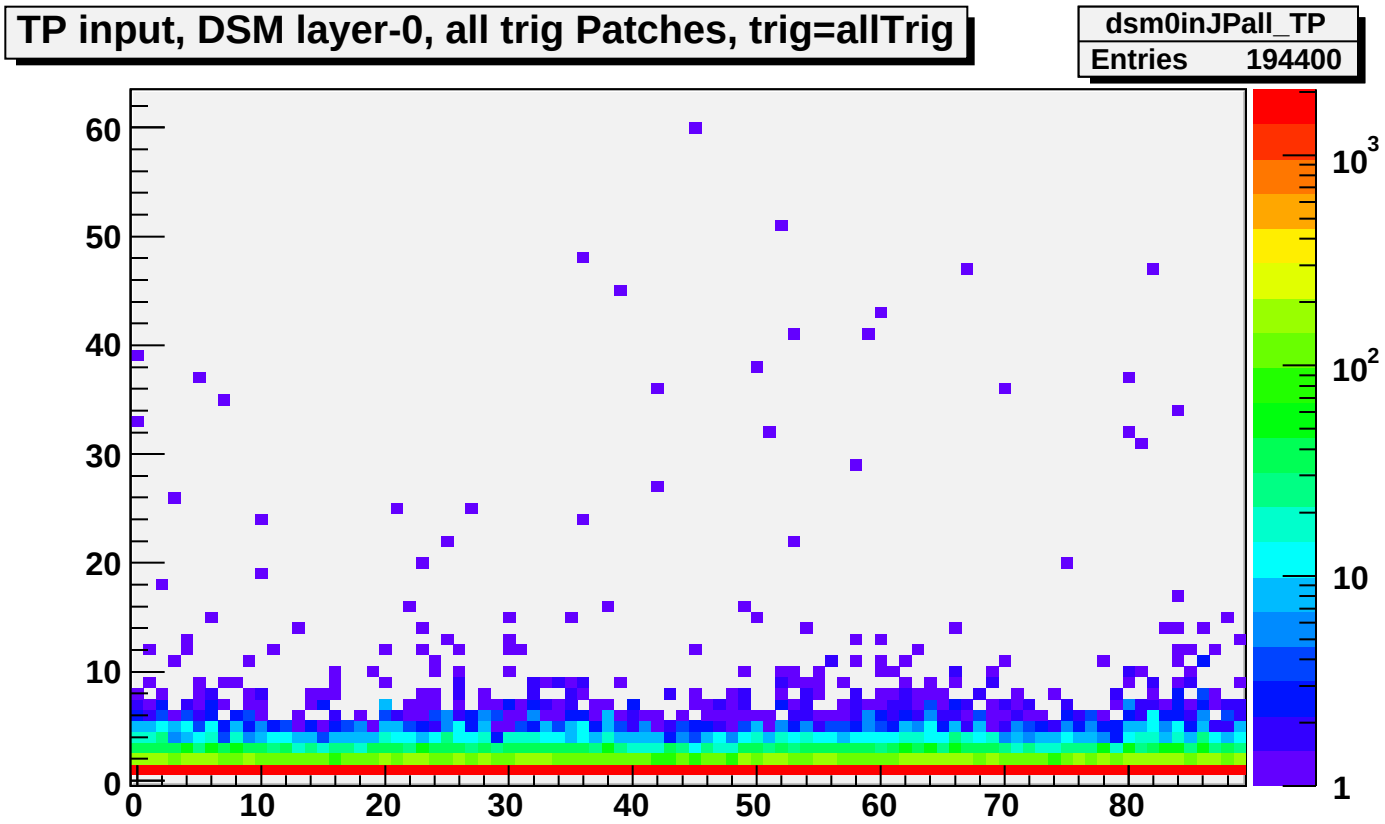

11S1
cr108
Entries 408192

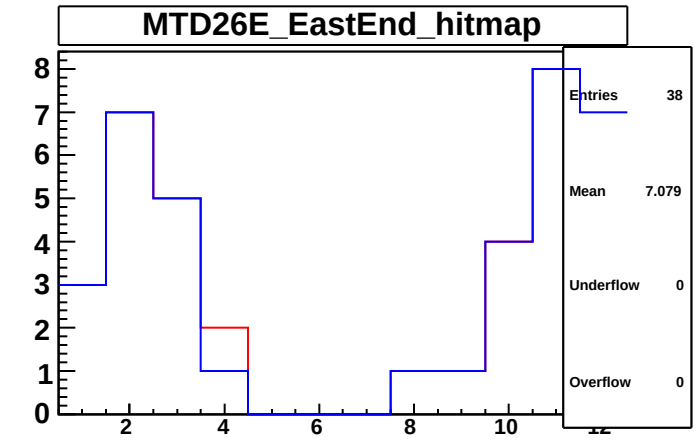

11S2
cr109
Entries 408192

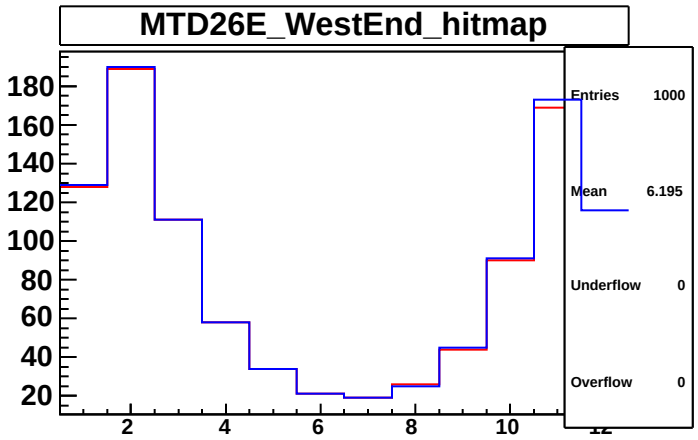

11S3
cr110
Entries 408192

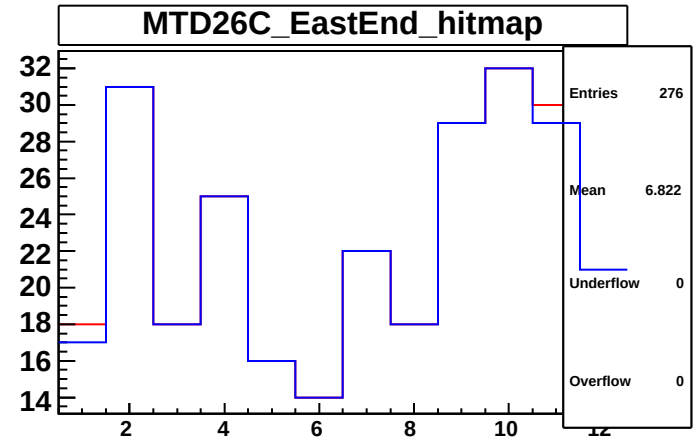

11P1
cr111
Entries 408192

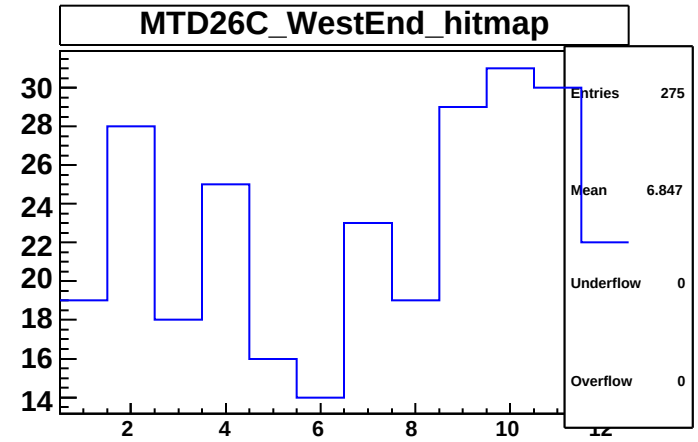

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 194400
Hanks ID=10*brd+inpID

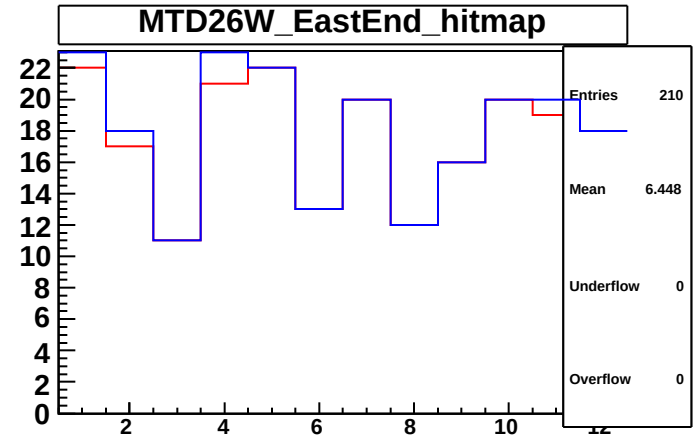

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 194400

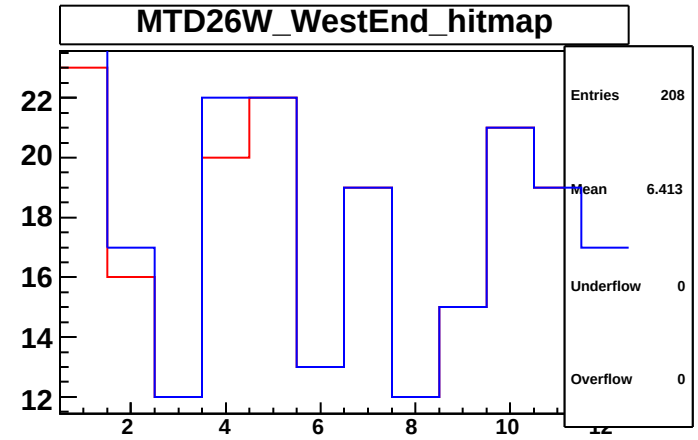

MTD26E_EastEnd_hitmap
Entries 38
Mean 7.079
Underflow 0
Overflow 0

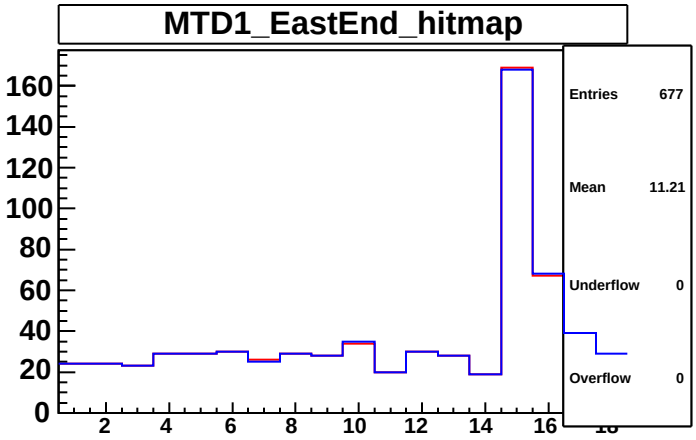

MTD26E_WestEnd_hitmap
Entries 1000
Mean 6.195
Underflow 0
Overflow 0

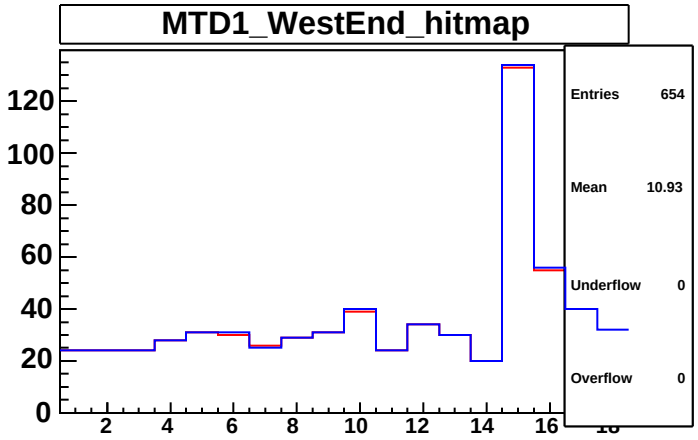

MTD26C_EastEnd_hitmap
Entries 276
Mean 6.822
Underflow 0
Overflow 0

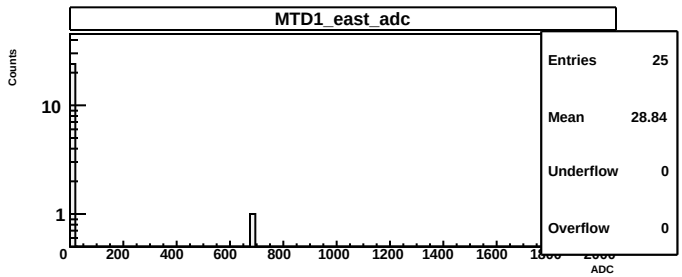

MTD26C_WestEnd_hitmap
Entries 275
Mean 6.847
Underflow 0
Overflow 0

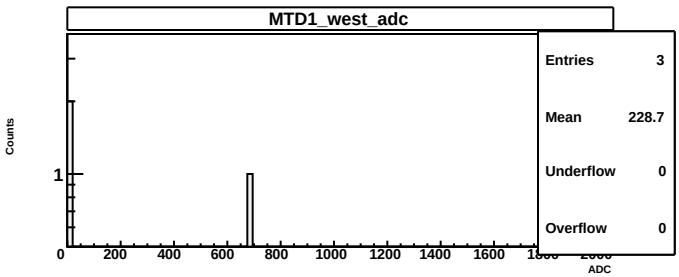

MTD26W_EastEnd_hitmap
Entries 210
Mean 6.448
Underflow 0
Overflow 0

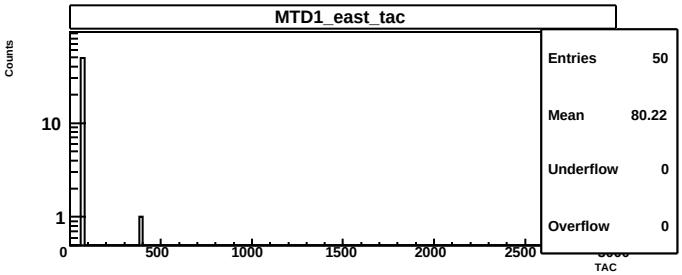

MTD26W_WestEnd_hitmap
Entries 208
Mean 6.413
Underflow 0
Overflow 0

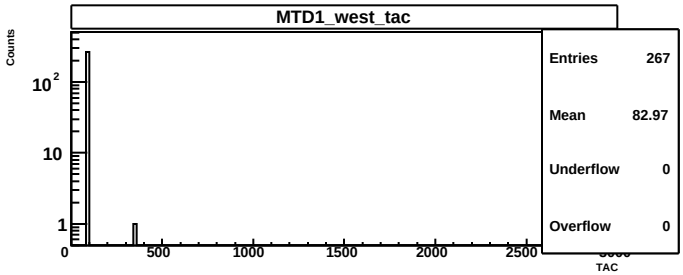

MTD1_EastEnd_hitmap
Entries 677
Mean 11.21
Underflow 0
Overflow 0

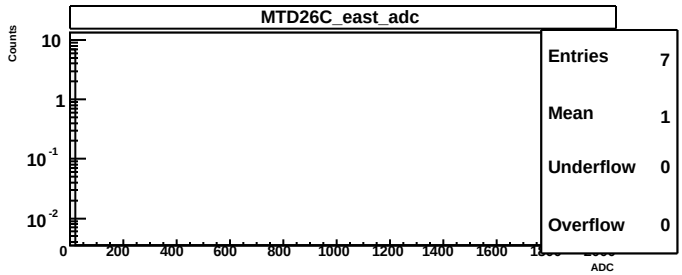

MTD1_WestEnd_hitmap
Entries 654
Mean 10.93
Underflow 0
Overflow 0

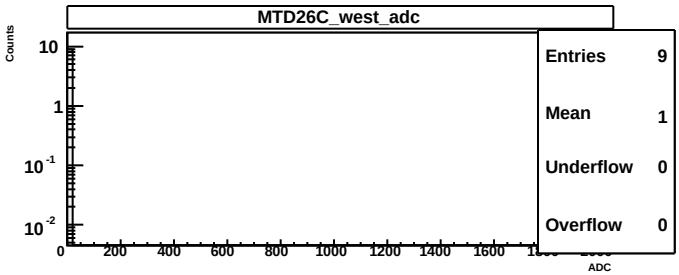

MTD1_east_adc
Counts
ADC
Entries 25
Mean 28.84
Underflow 0
Overflow 0

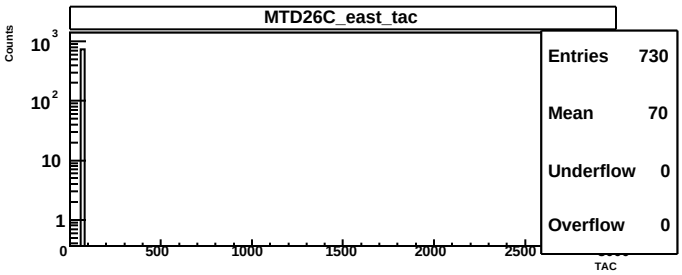

MTD1_west_adc
Counts
ADC
Entries 3
Mean 228.7
Underflow 0
Overflow 0

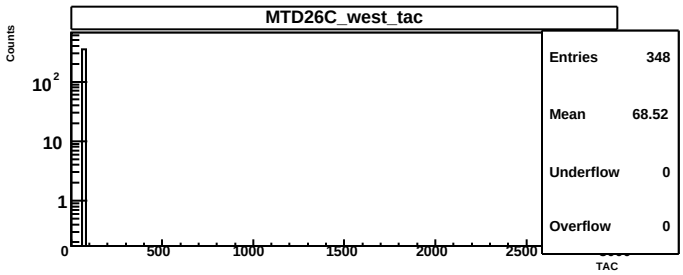

MTD1_east_tac
Counts
TAC
Entries 50
Mean 80.22
Underflow 0
Overflow 0

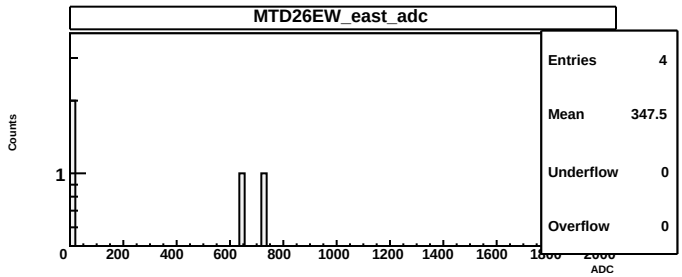

MTD1_west_tac
Counts
TAC
Entries 267
Mean 82.97
Underflow 0
Overflow 0

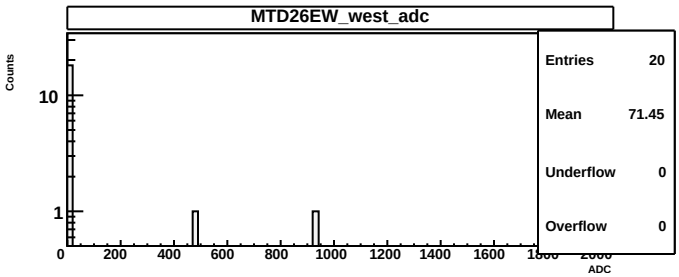

MTD26C_east_adc
Counts
ADC
Entries 7
Mean 1
Underflow 0
Overflow 0

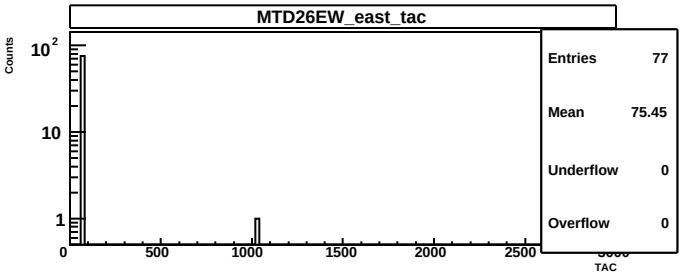

MTD26C_west_adc
Counts
ADC
Entries 9
Mean 1
Underflow 0
Overflow 0

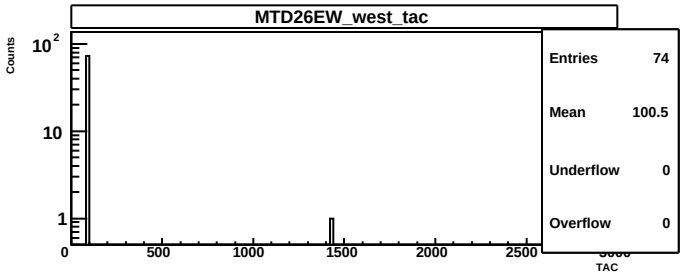

MTD26C_east_tac
Counts
TAC
Entries 730
Mean 70
Underflow 0
Overflow 0

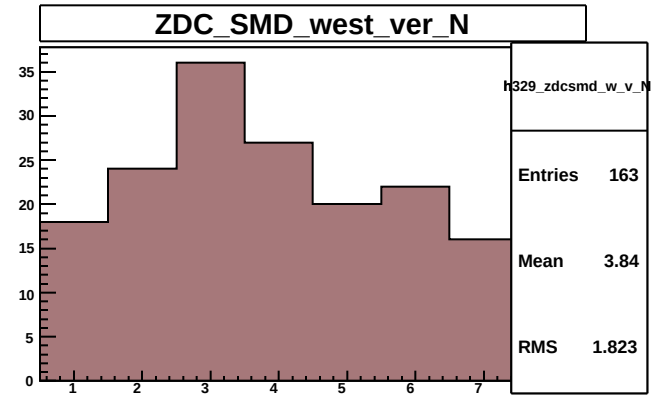

MTD26C_west_tac
Counts
TAC
Entries 348
Mean 68.52
Underflow 0
Overflow 0

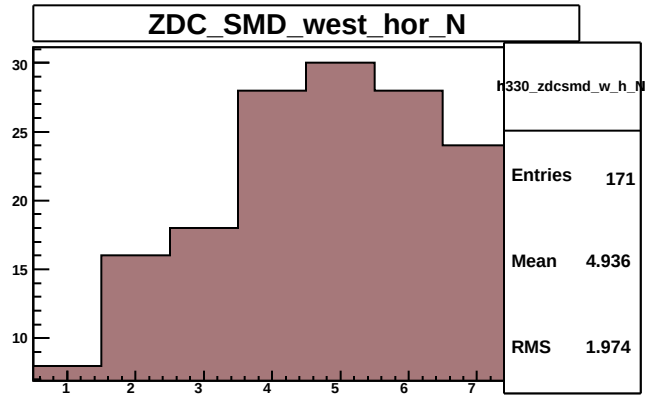

MTD26EW_east_adc
Counts
ADC
Entries 4
Mean 347.5
Underflow 0
Overflow 0

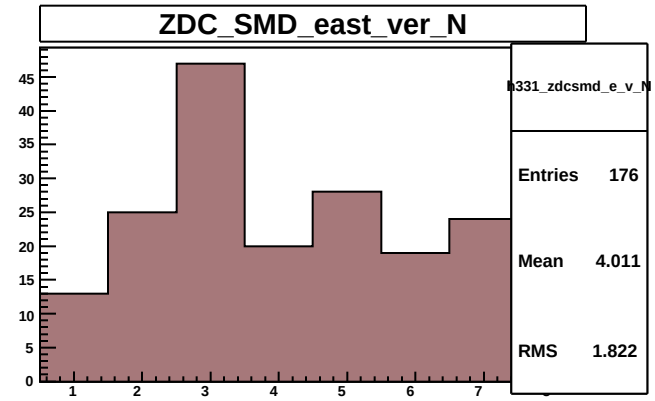

MTD26EW_west_adc
Counts
ADC
Entries 20
Mean 71.45
Underflow 0
Overflow 0

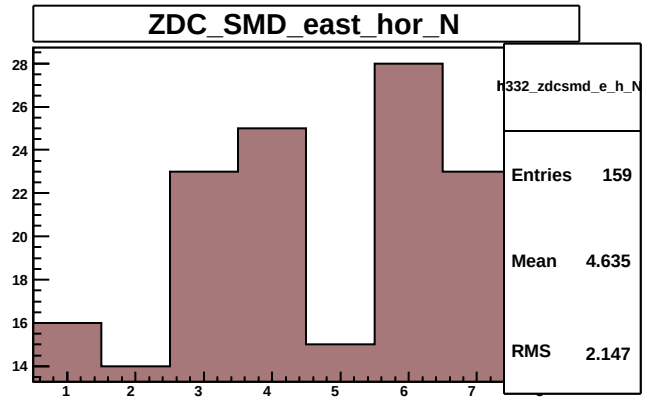

MTD26EW_east_tac
Counts
TAC
Entries 77
Mean 75.45
Underflow 0
Overflow 0

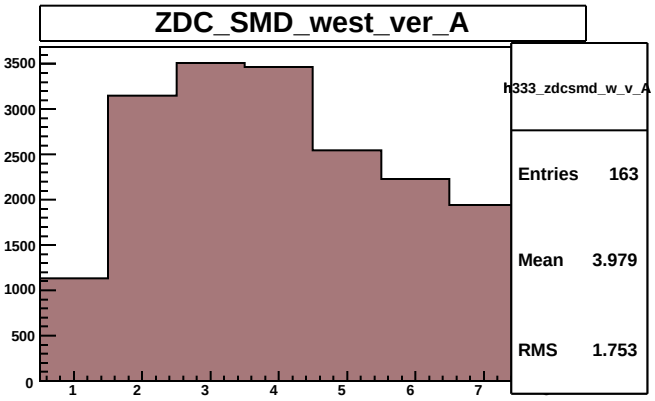

MTD26EW_west_tac
Counts
TAC
Entries 74
Mean 100.5
Underflow 0
Overflow 0

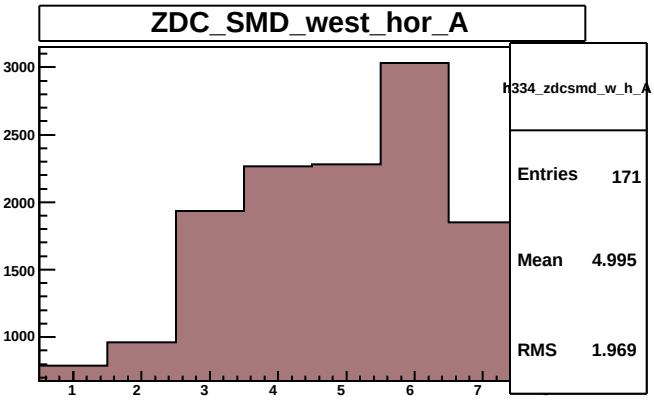

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 163
Mean 3.84
RMS 1.823

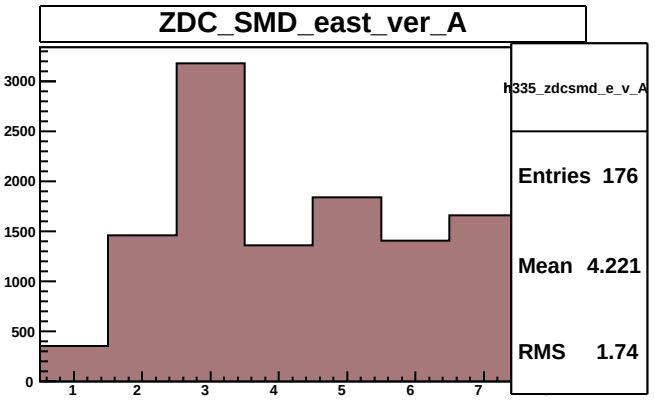

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 171
Mean 4.936
RMS 1.974

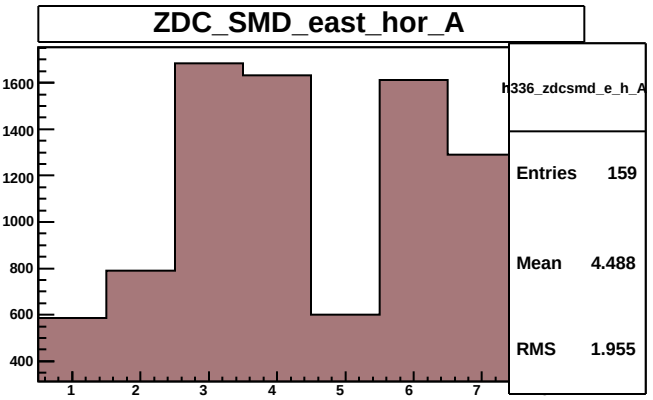

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 176
Mean 4.011
RMS 1.822

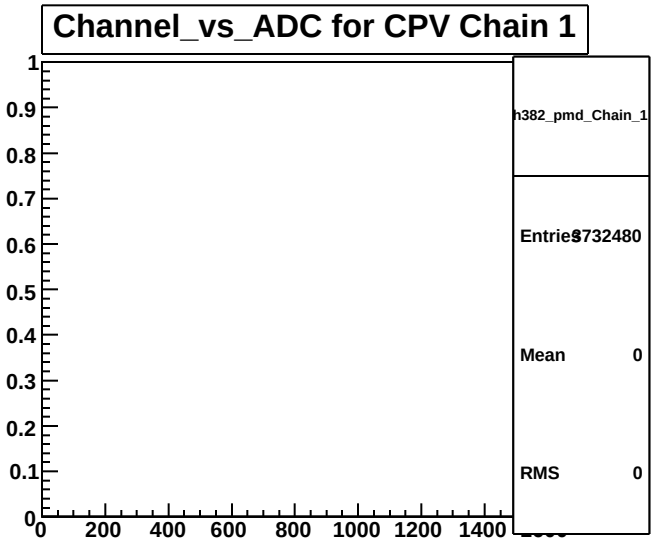

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 159
Mean 4.635
RMS 2.147

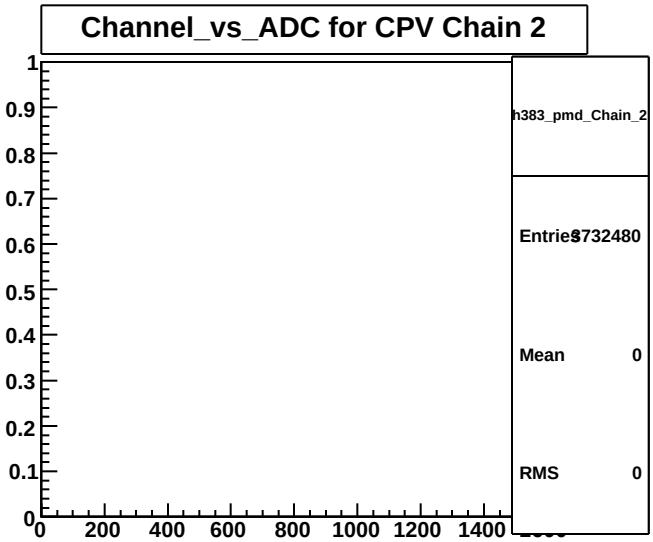

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 163
Mean 3.979
RMS 1.753

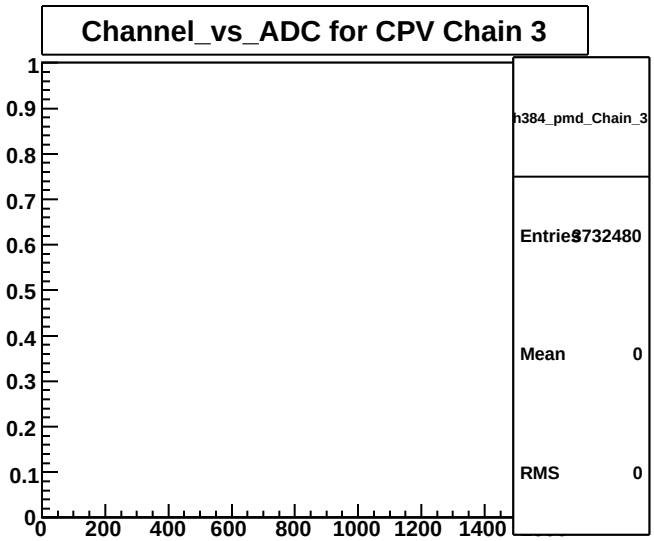

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 171
Mean 4.995
RMS 1.969

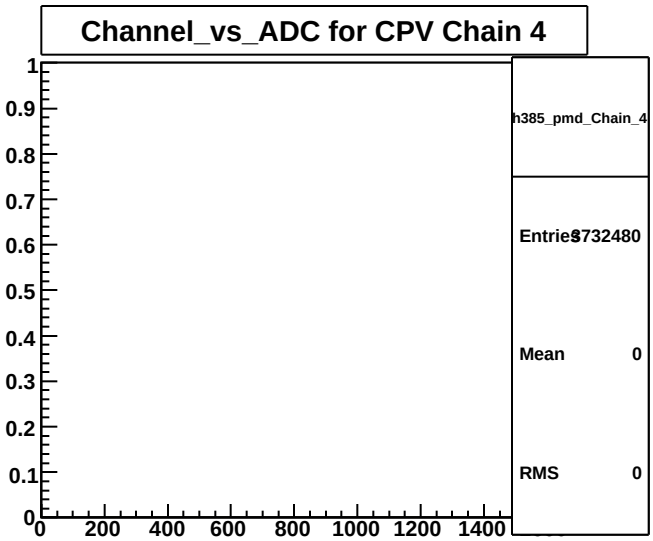

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 176
Mean 4.221
RMS 1.74

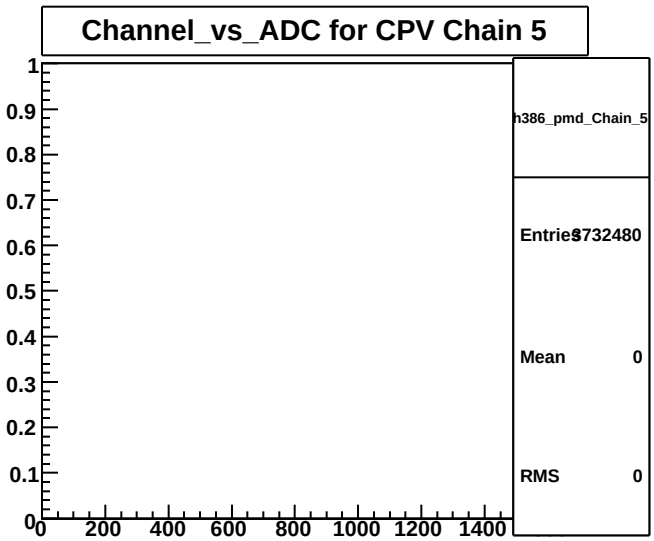

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 159
Mean 4.488
RMS 1.955

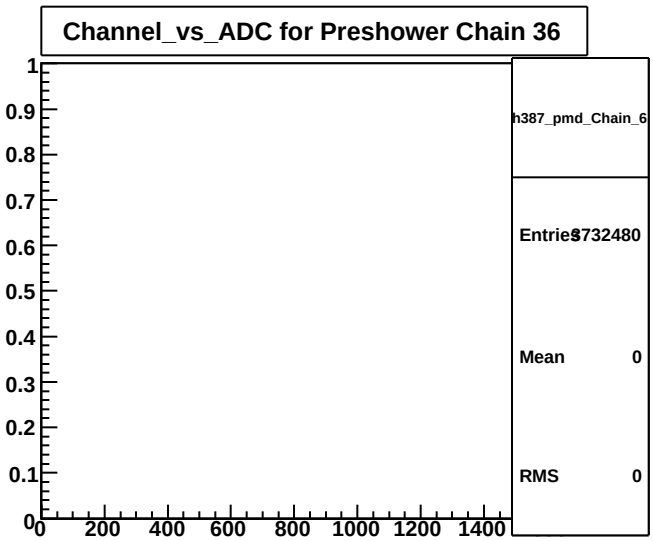

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 732480
Mean 0
RMS 0

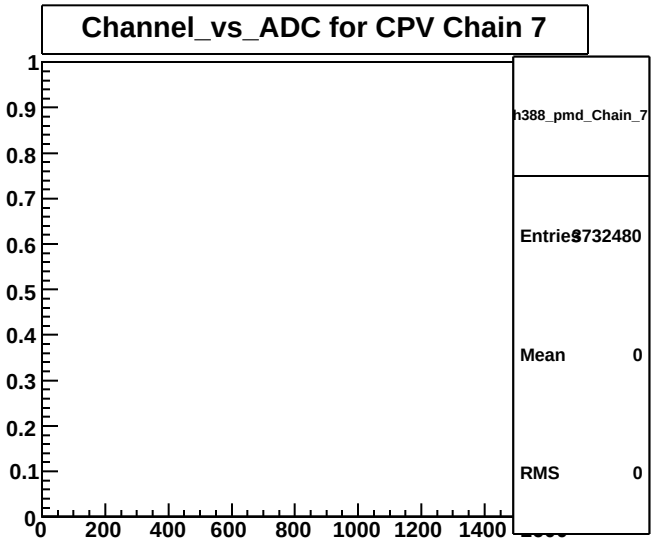

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 732480
Mean 0
RMS 0

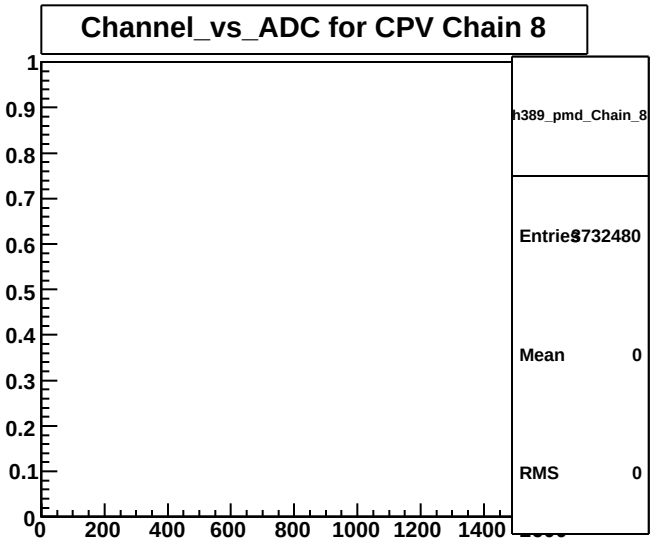

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 732480
Mean 0
RMS 0

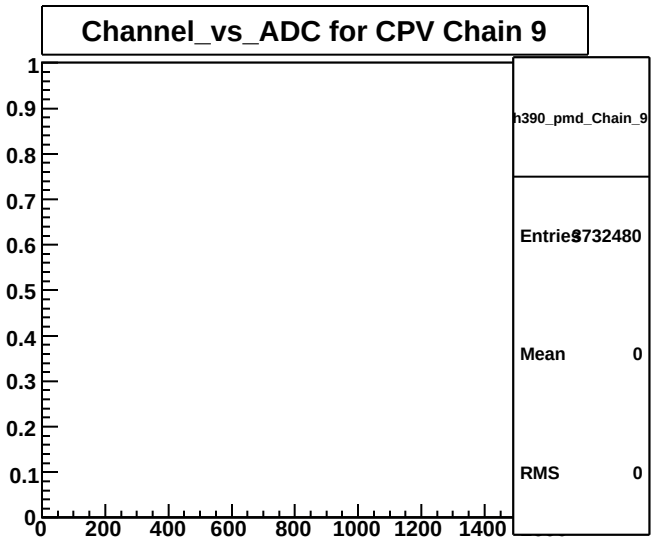

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 732480
Mean 0
RMS 0

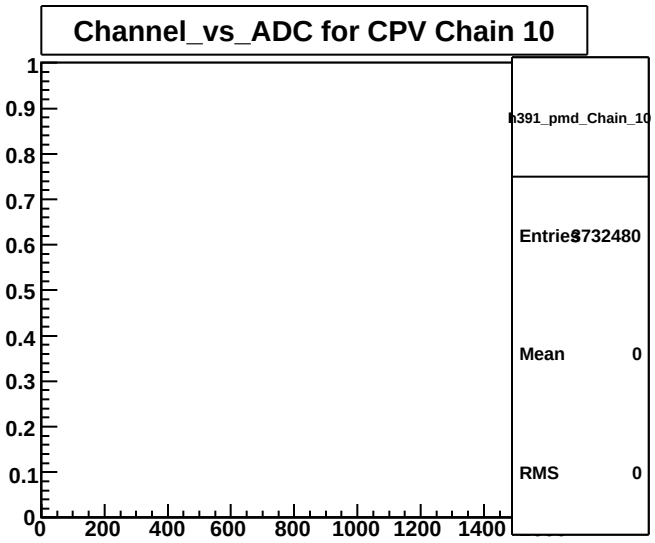

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 732480
Mean 0
RMS 0

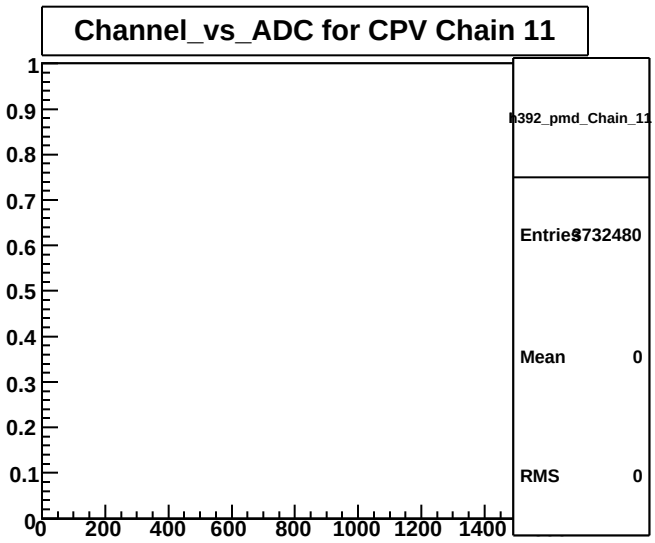

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 732480
Mean 0
RMS 0

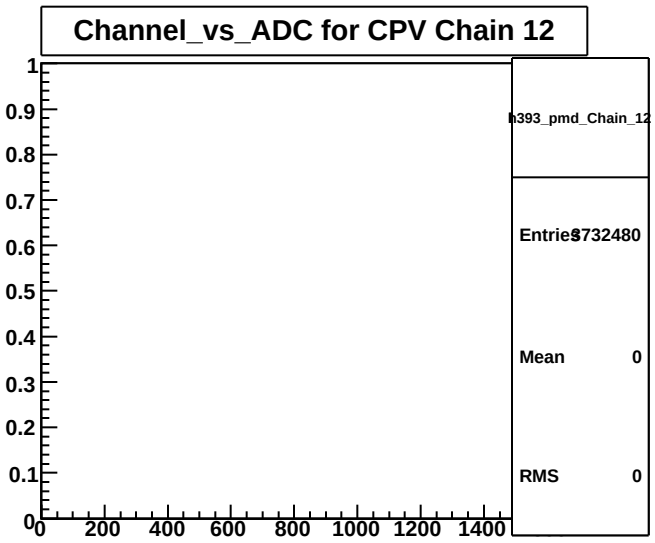

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 732480
Mean 0
RMS 0

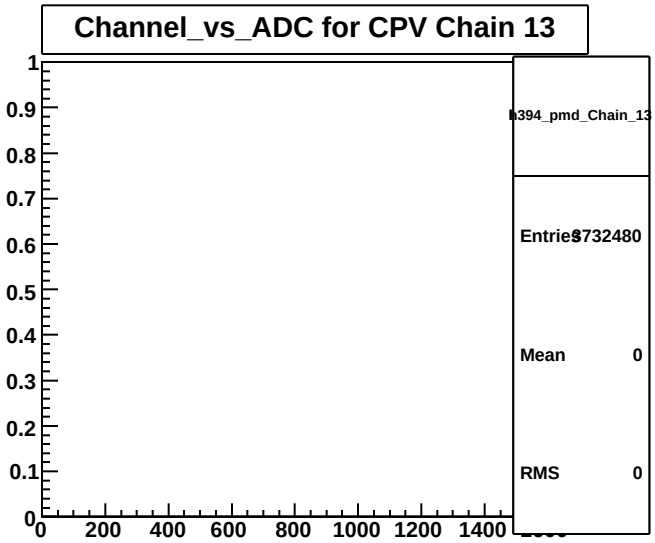

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 732480
Mean 0
RMS 0

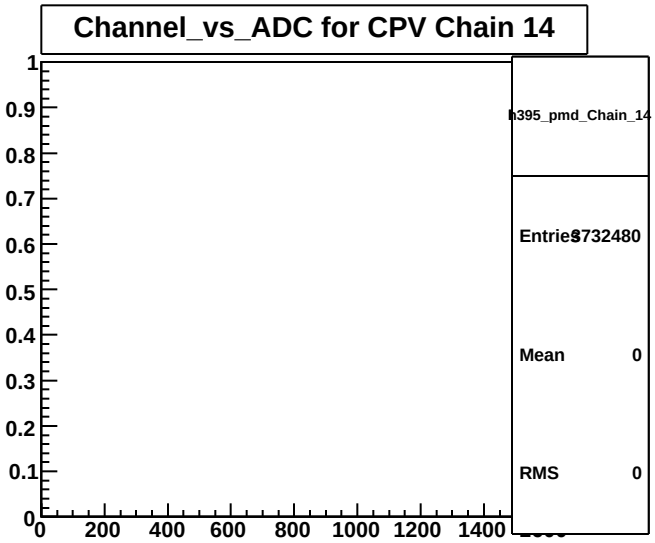

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 732480
Mean 0
RMS 0

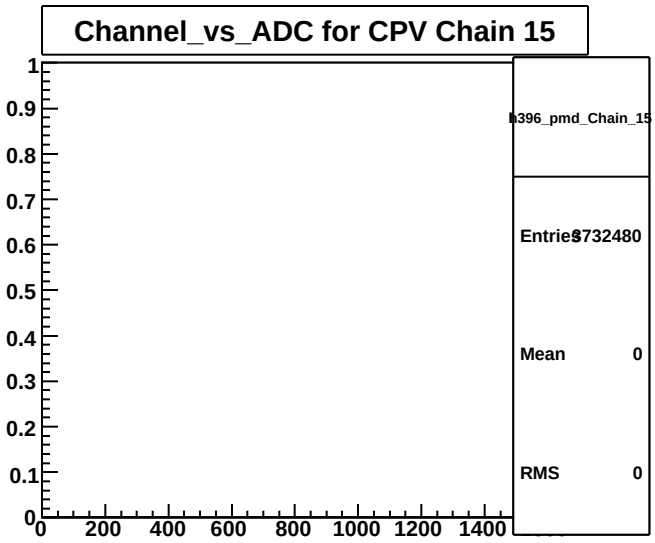

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 732480
Mean 0
RMS 0

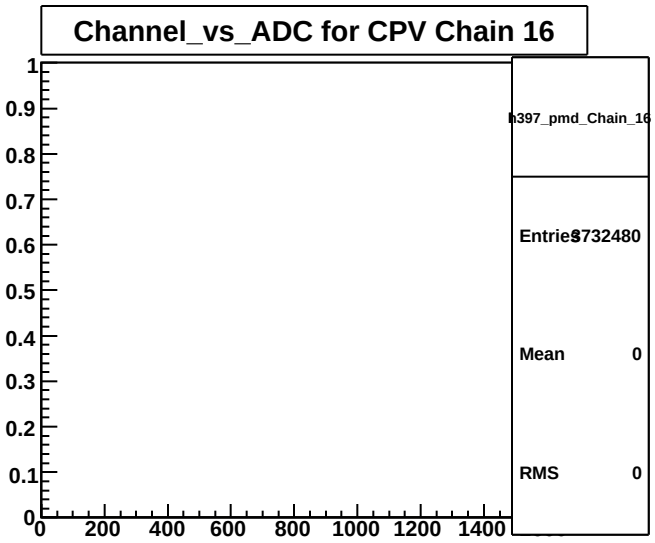

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 732480
Mean 0
RMS 0

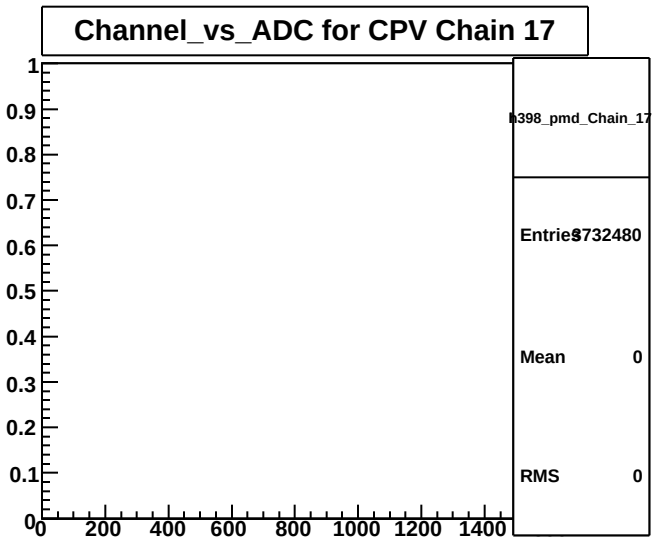

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 732480
Mean 0
RMS 0

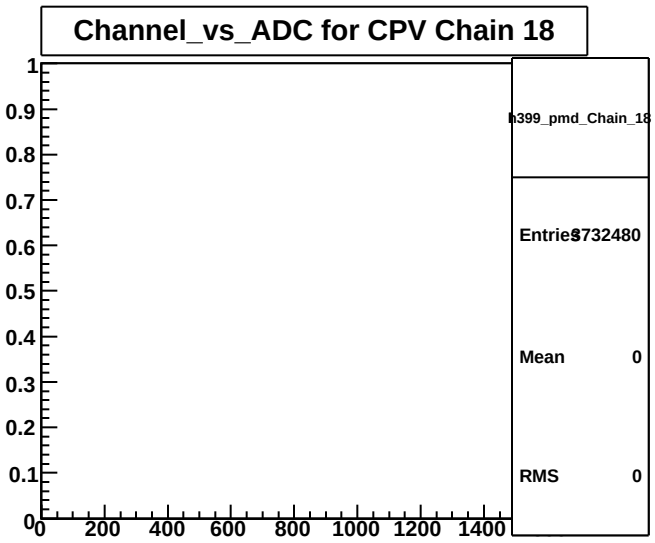

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 3732480
Mean 0
RMS 0

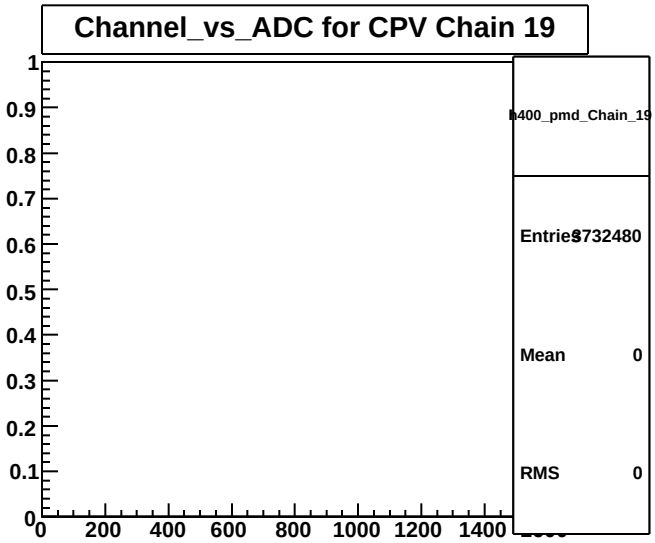

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 3732480
Mean 0
RMS 0

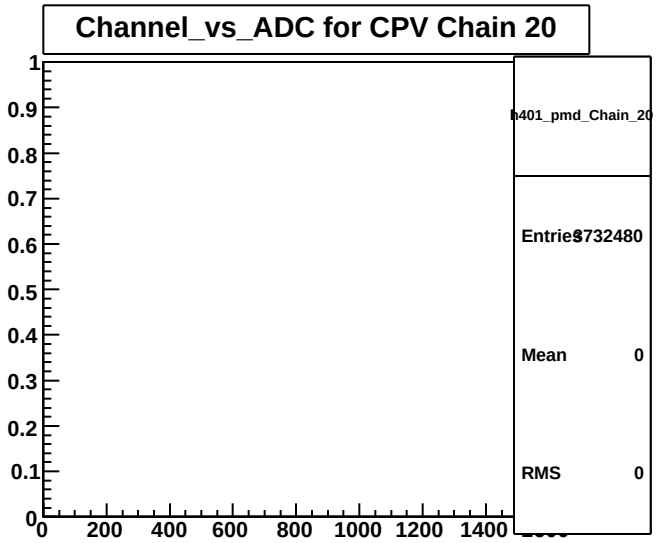

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 3732480
Mean 0
RMS 0

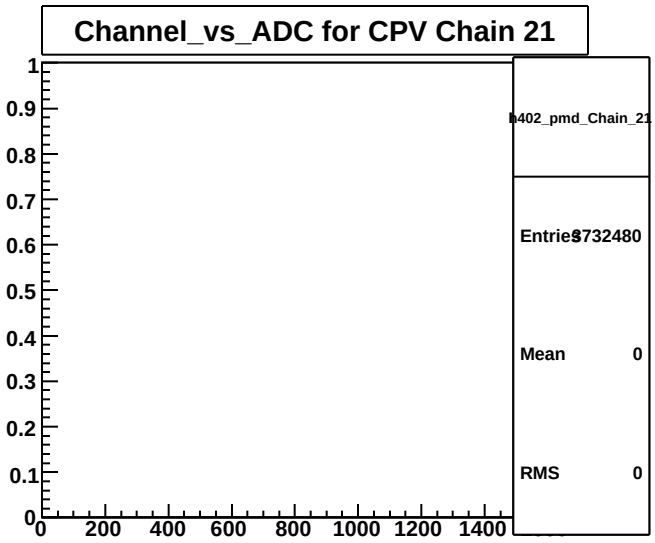

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 3732480
Mean 0
RMS 0

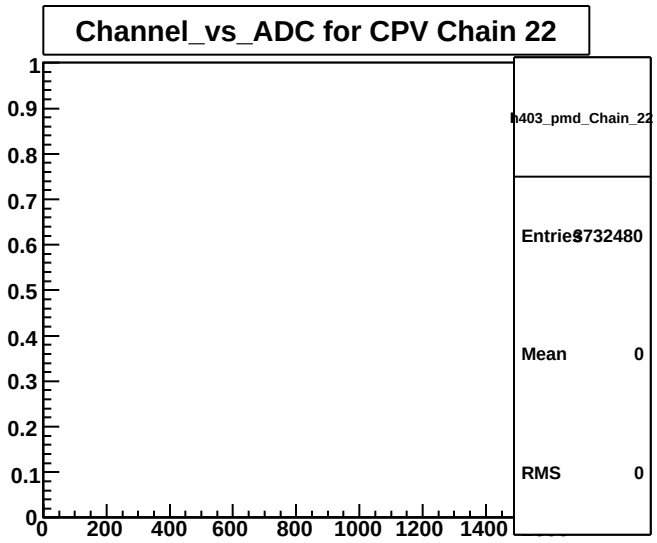

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 3732480
Mean 0
RMS 0

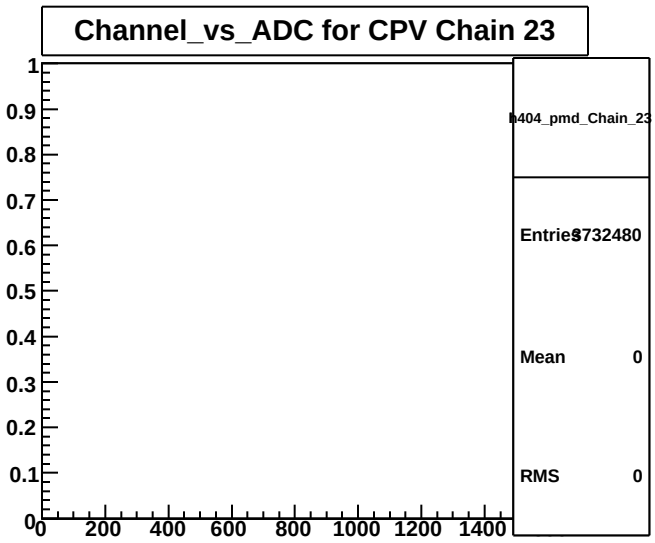

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 3732480
Mean 0
RMS 0

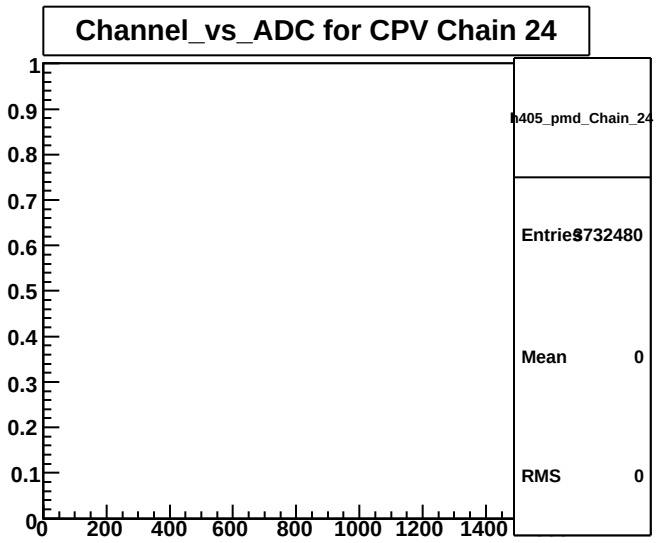

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 732480
Mean 0
RMS 0

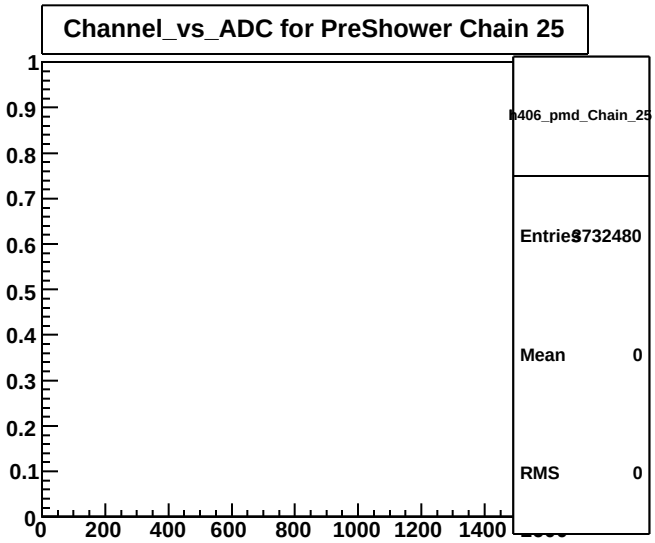

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 732480
Mean 0
RMS 0

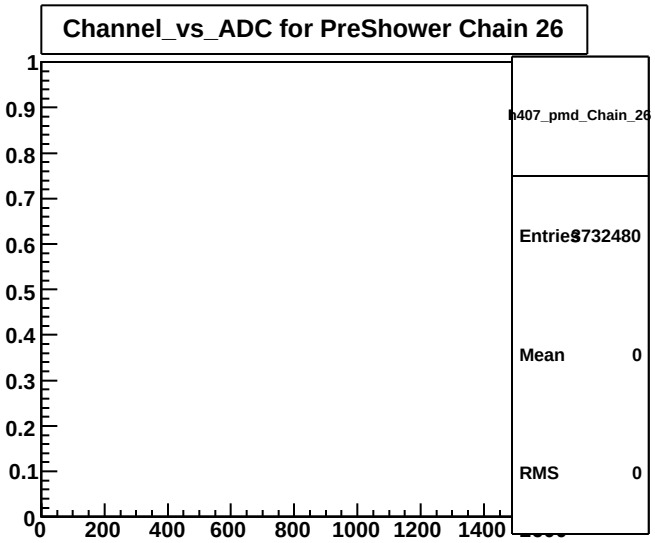

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 732480
Mean 0
RMS 0

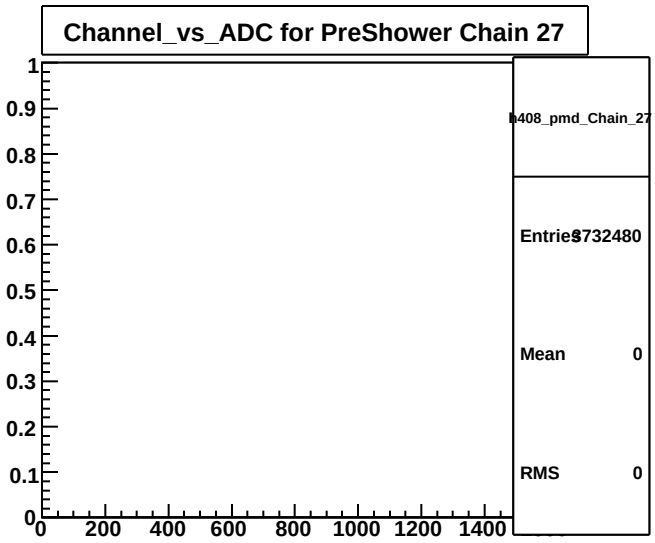

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 732480
Mean 0
RMS 0

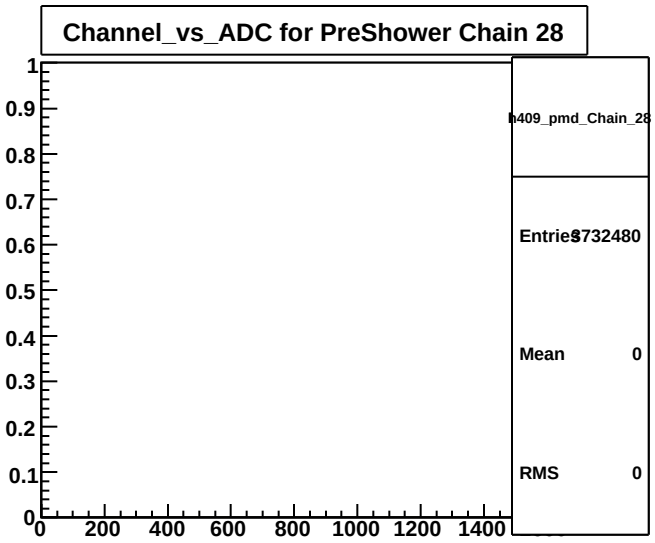

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 732480
Mean 0
RMS 0

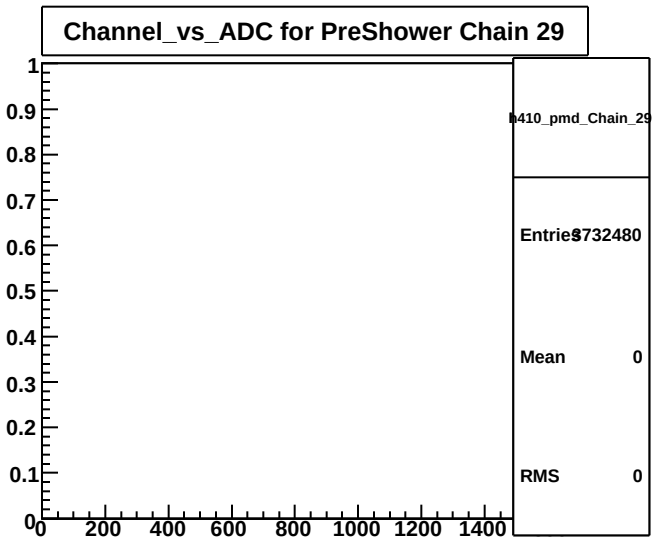

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 732480
Mean 0
RMS 0

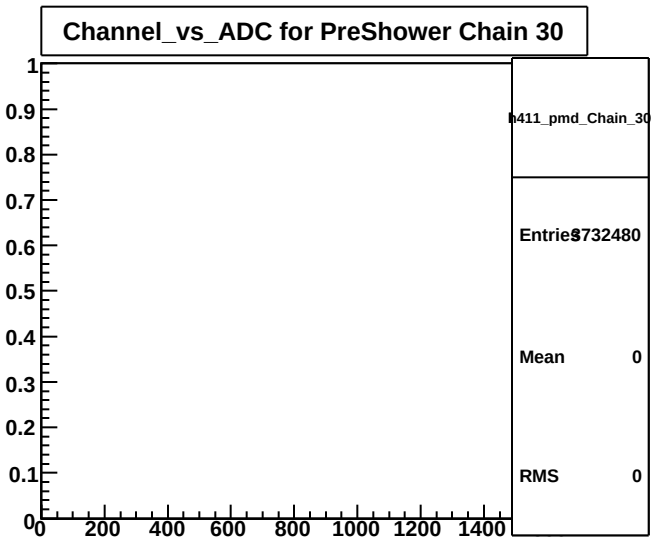

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 3732480
Mean 0
RMS 0

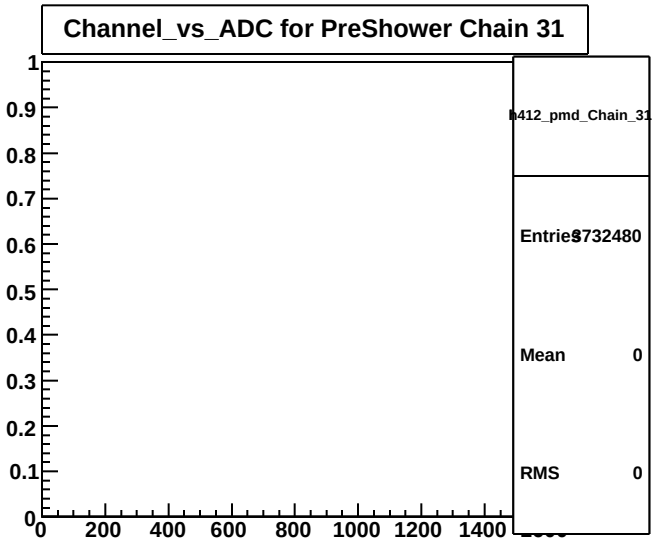

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 3732480
Mean 0
RMS 0

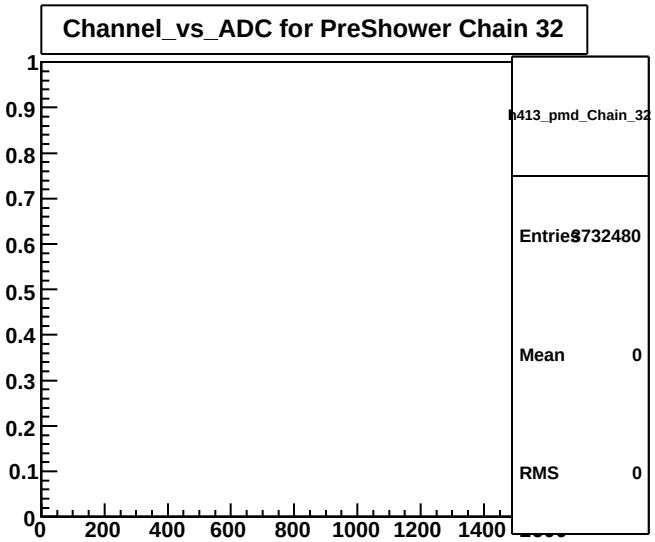

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 3732480
Mean 0
RMS 0

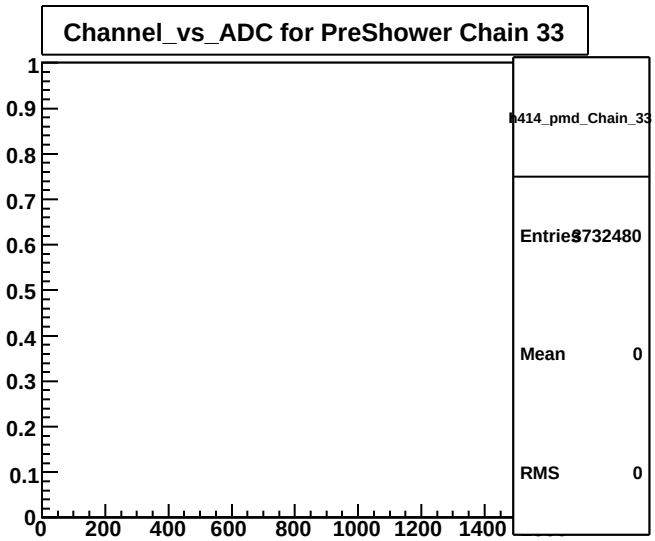

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 3732480
Mean 0
RMS 0

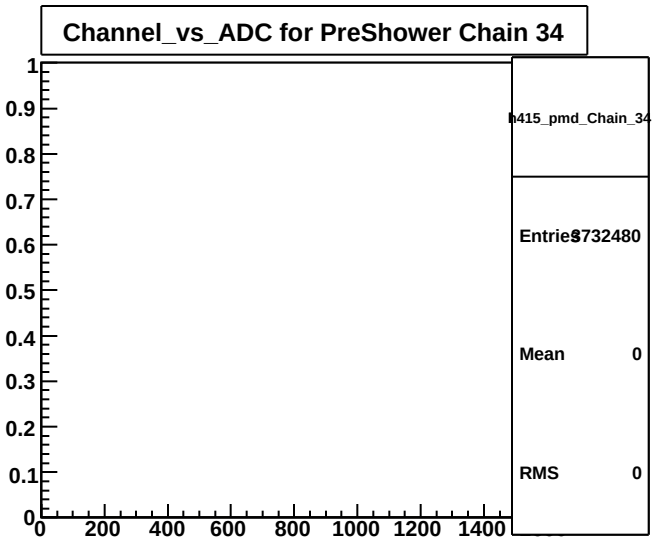

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 3732480
Mean 0
RMS 0

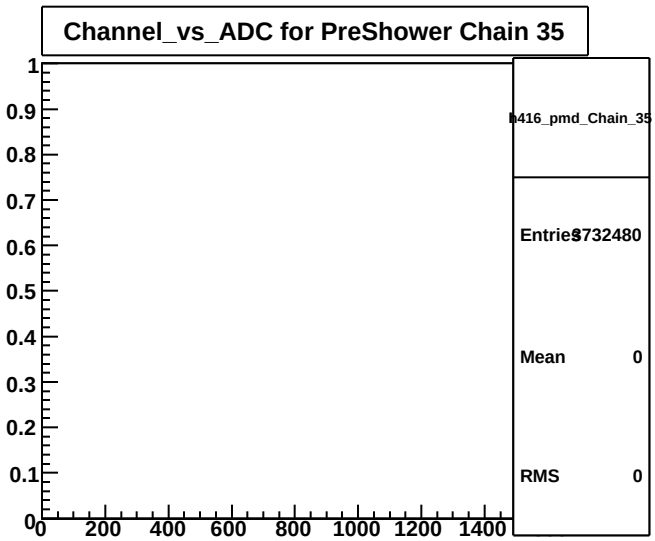

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 3732480
Mean 0
RMS 0

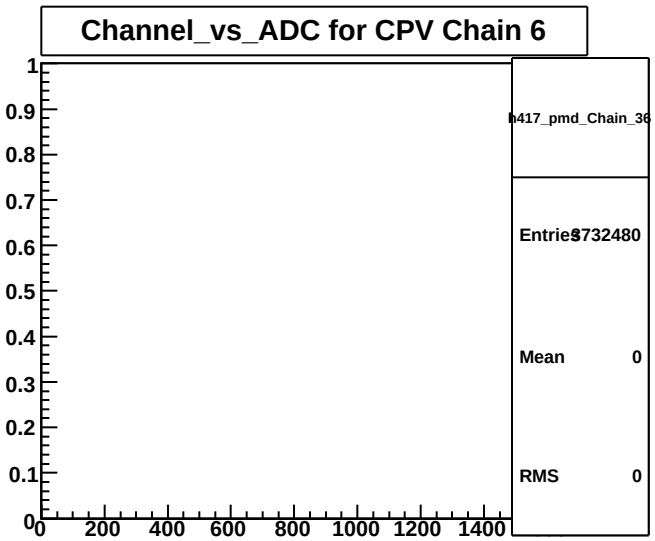

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 3732480
Mean 0
RMS 0

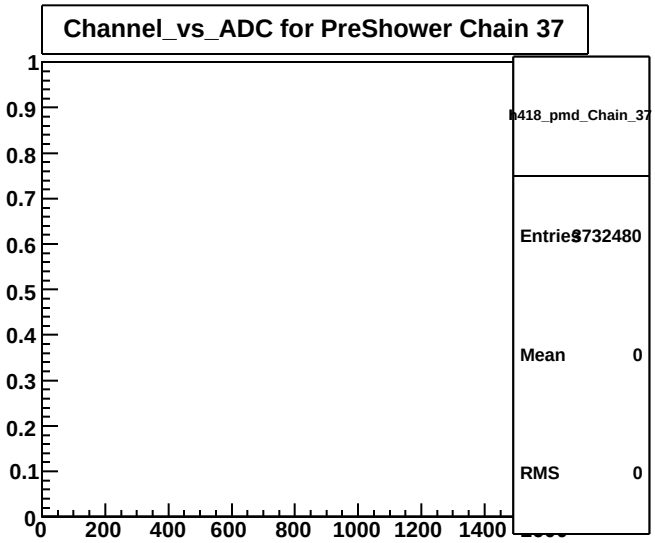

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 3732480
Mean 0
RMS 0

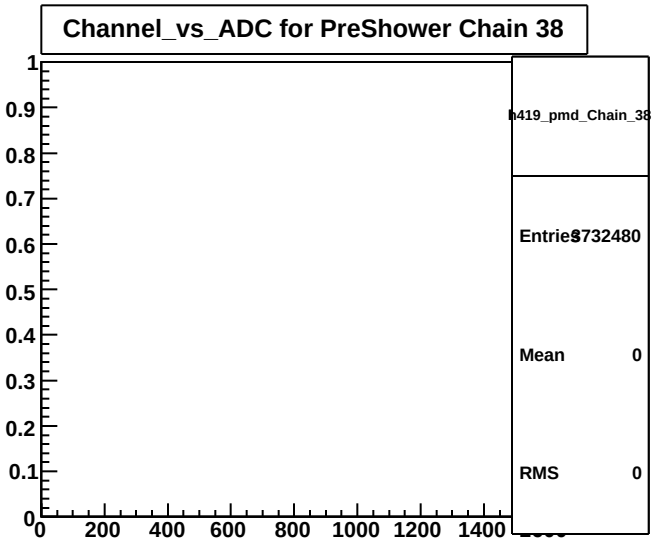

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 3732480
Mean 0
RMS 0

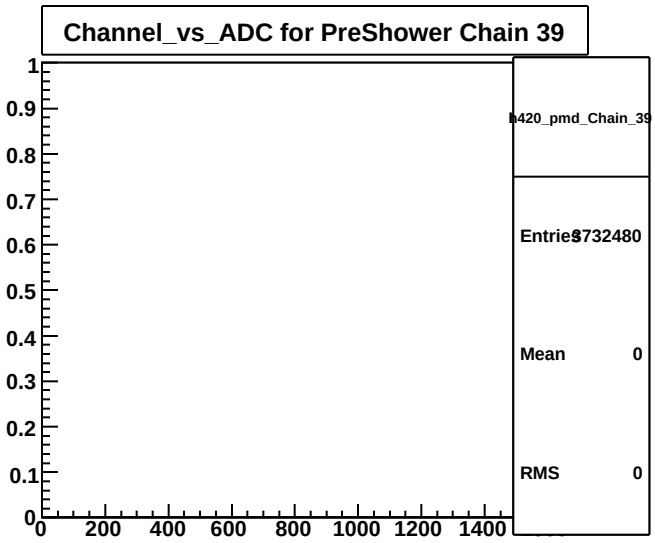

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 3732480
Mean 0
RMS 0

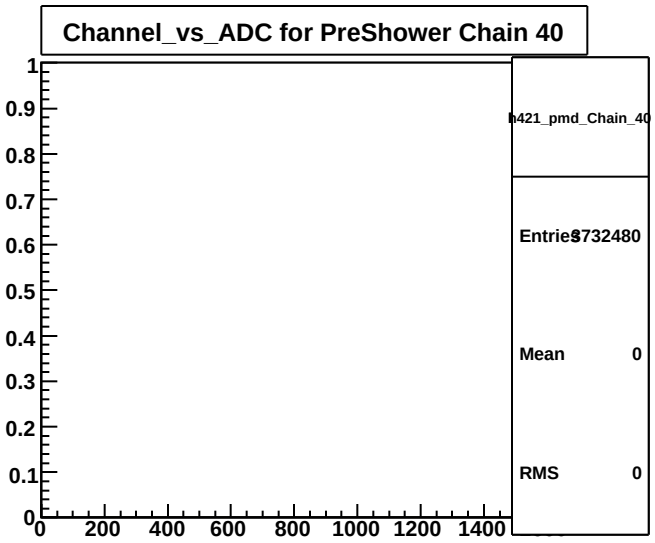

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 3732480
Mean 0
RMS 0

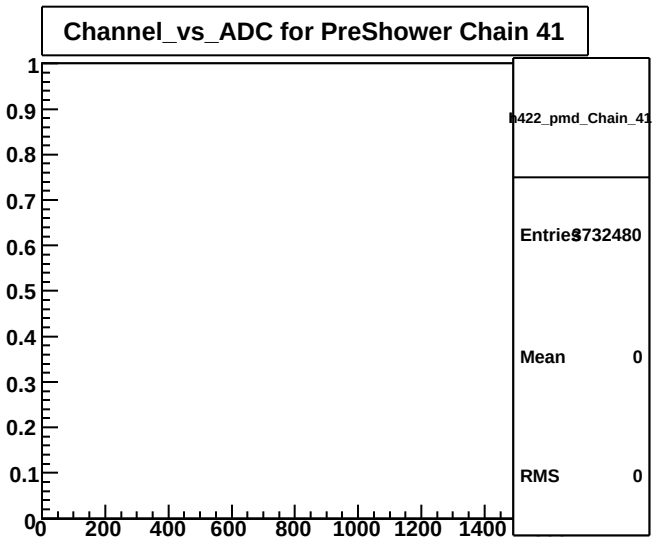

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 3732480
Mean 0
RMS 0

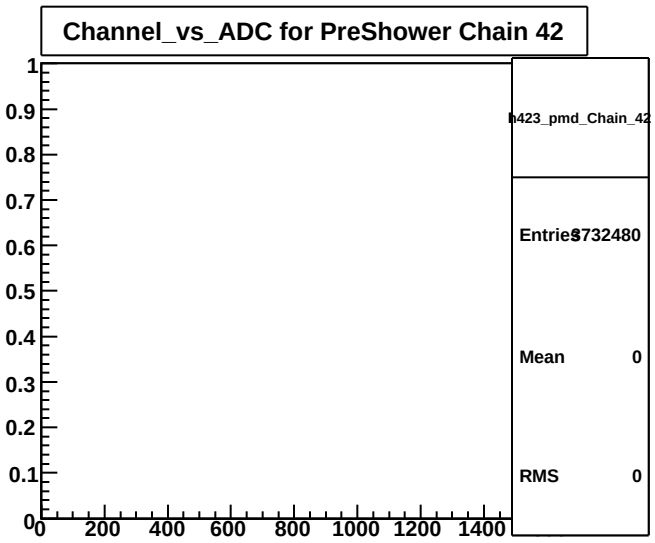

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 3732480
Mean 0
RMS 0

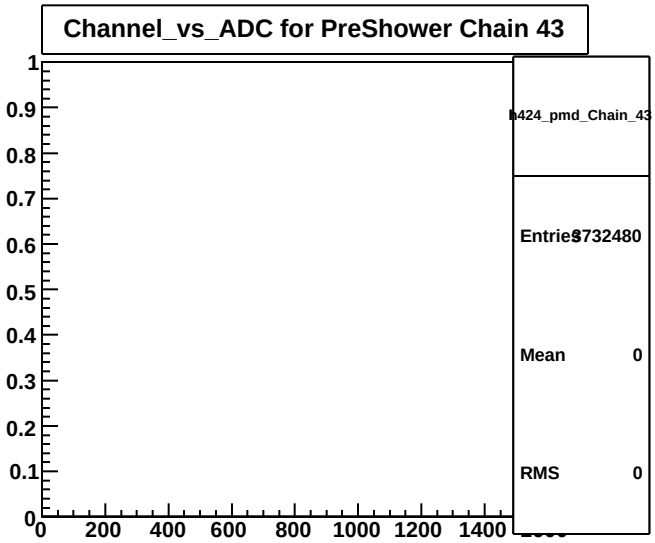

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 3732480
Mean 0
RMS 0

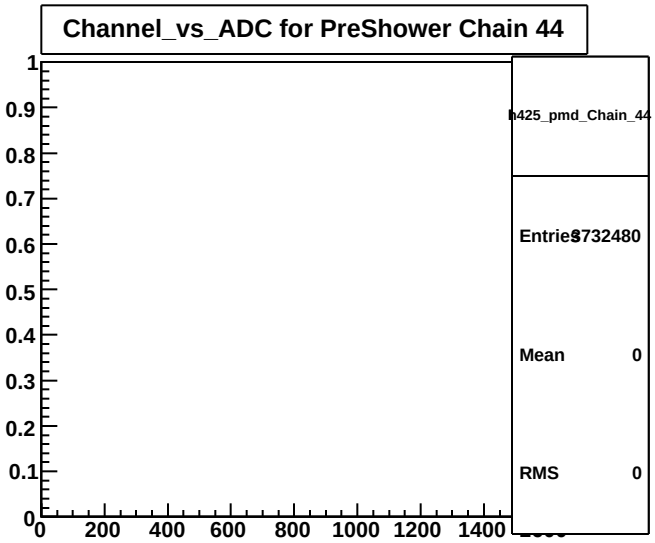

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 3732480
Mean 0
RMS 0

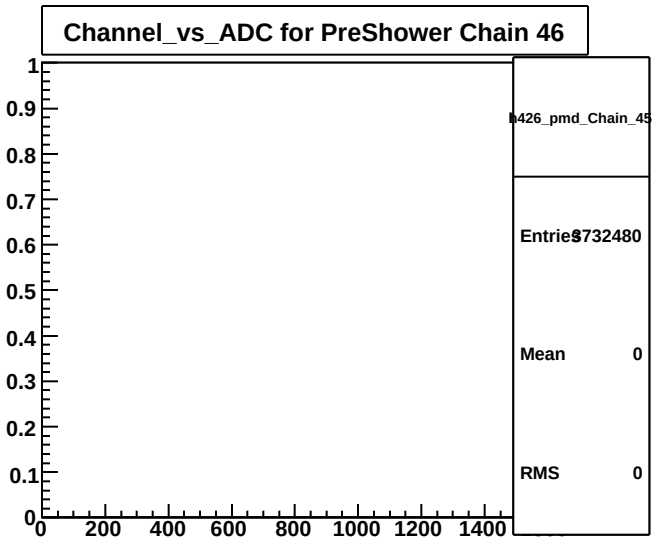

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 3732480
Mean 0
RMS 0

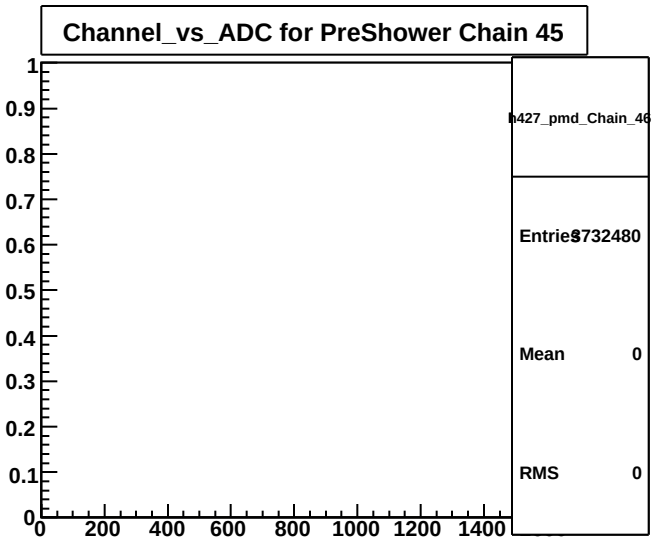

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 3732480
Mean 0
RMS 0

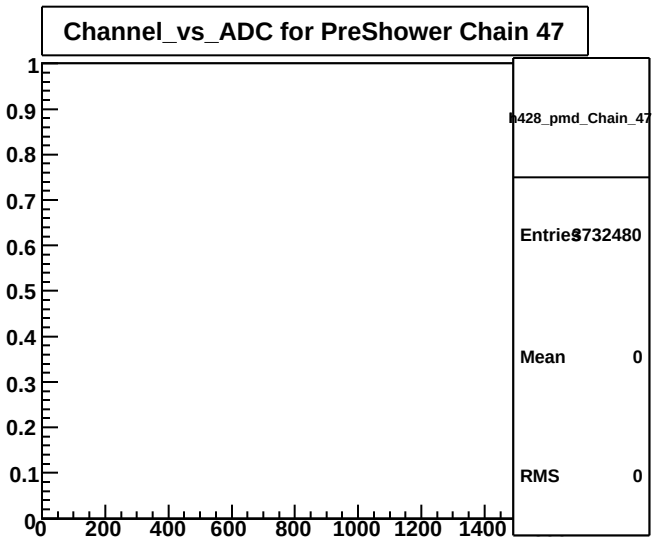

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 3732480
Mean 0
RMS 0

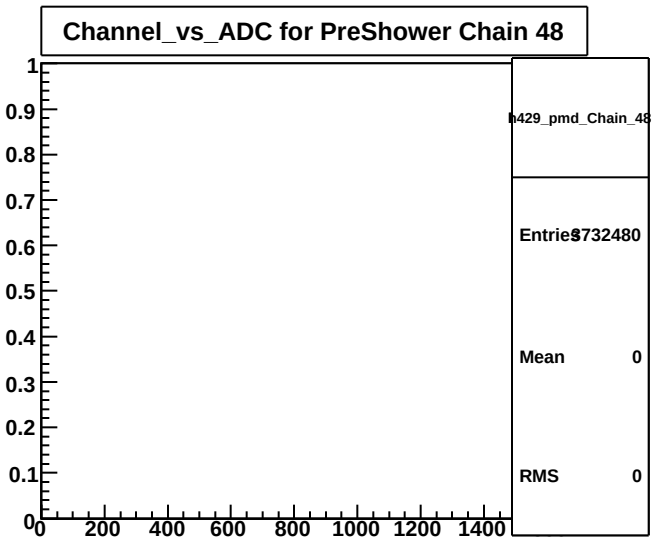

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 3732480
Mean 0
RMS 0

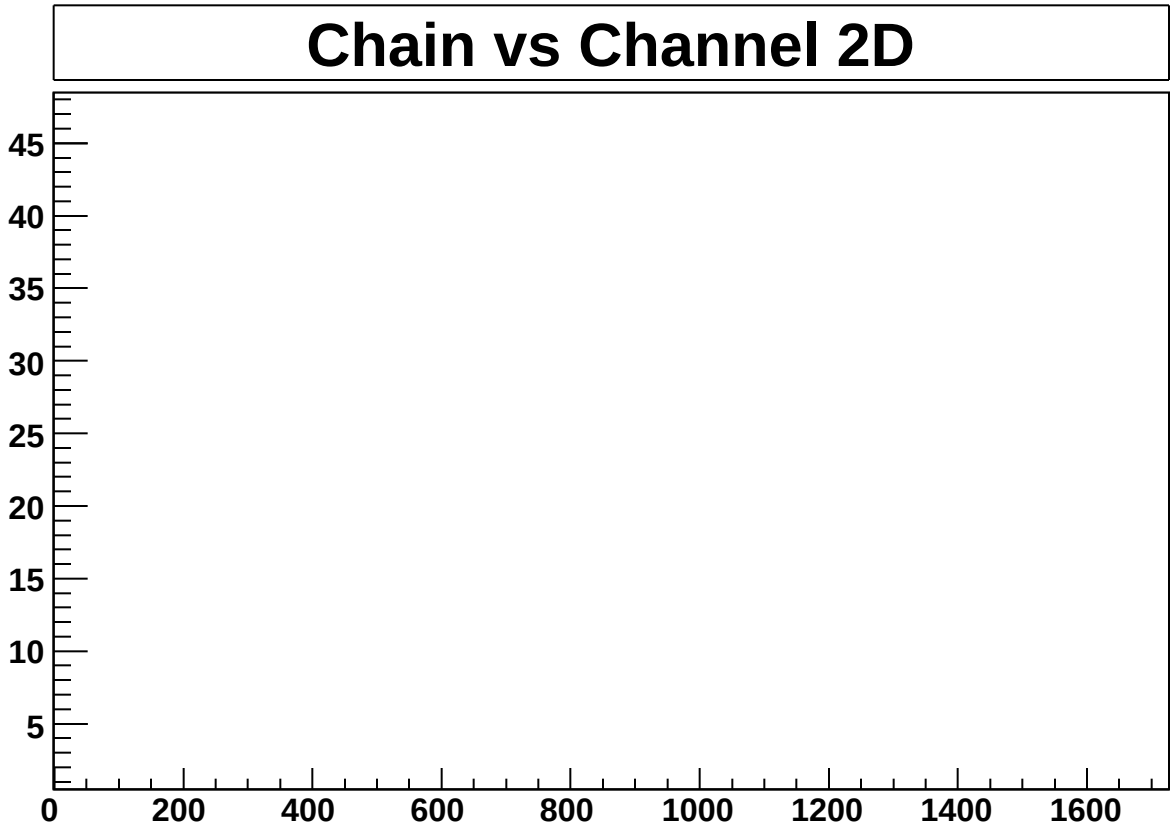

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 3732480
Mean 0
RMS 0

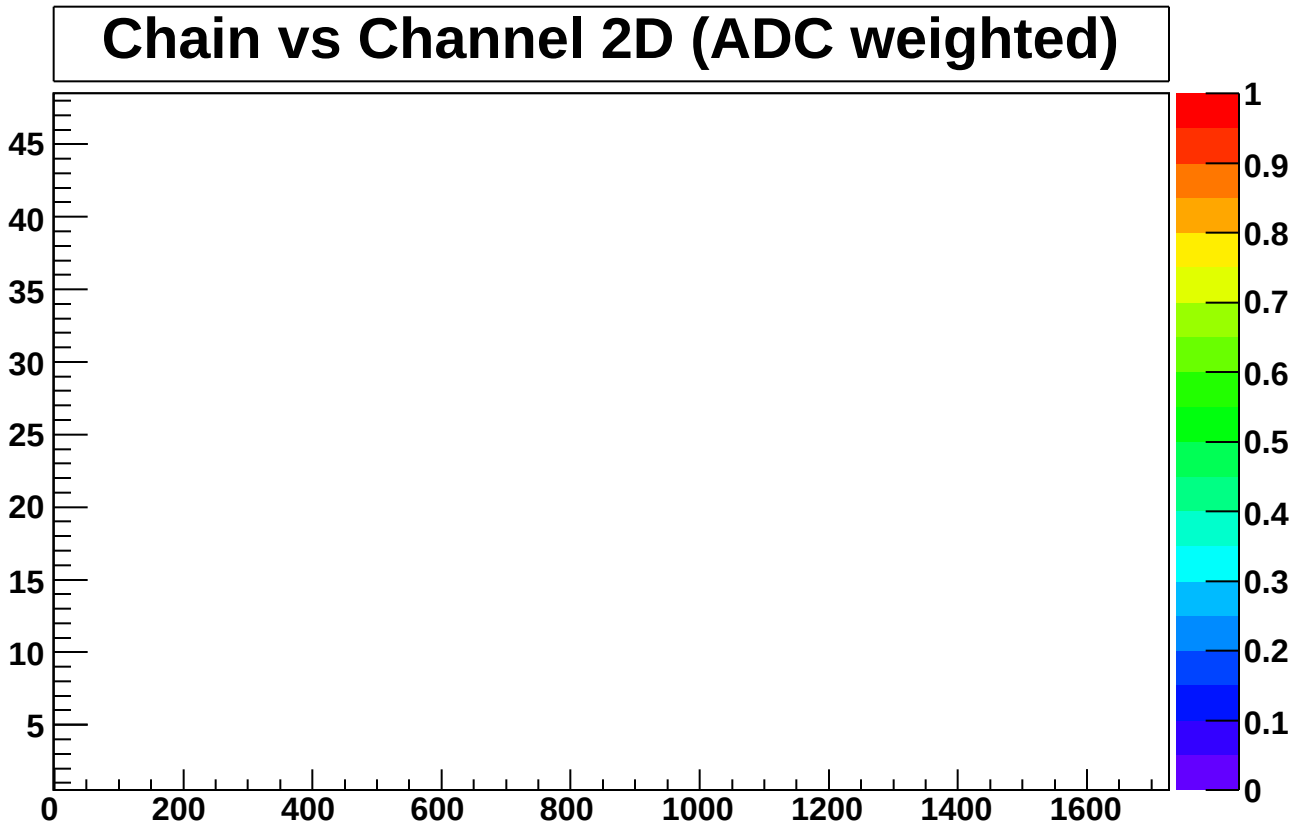

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 3732480
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 3732480
Mean 0
RMS 0

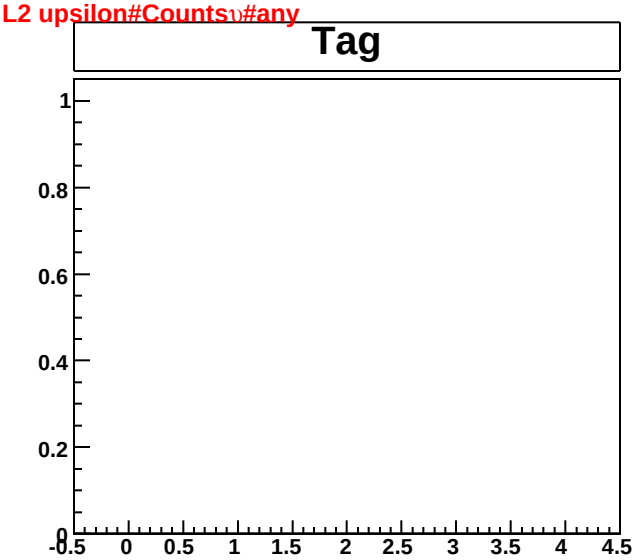

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 3732480
Mean 0
RMS 0

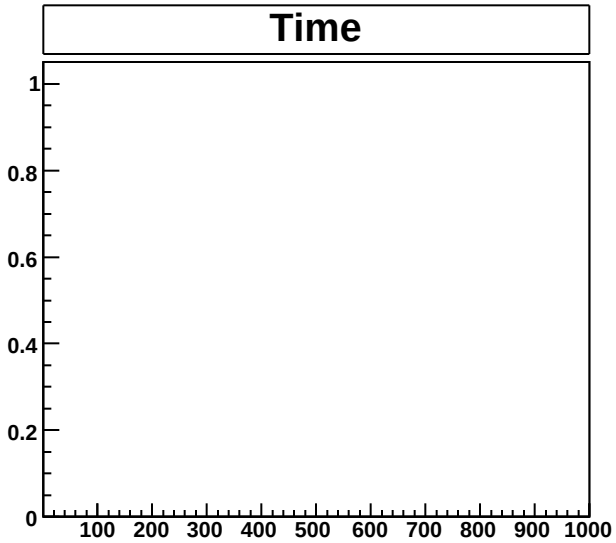

Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 3732480
Mean 0
RMS 0

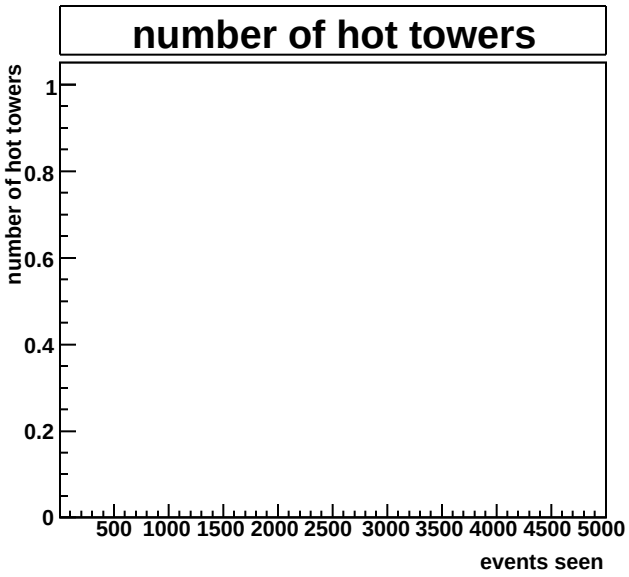

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

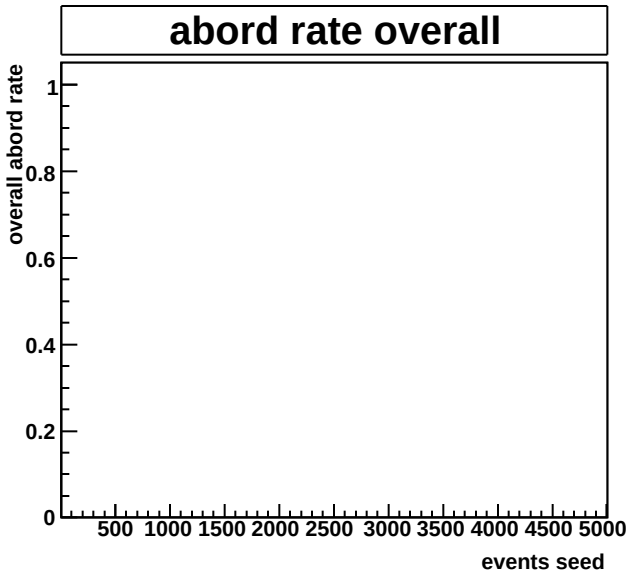

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

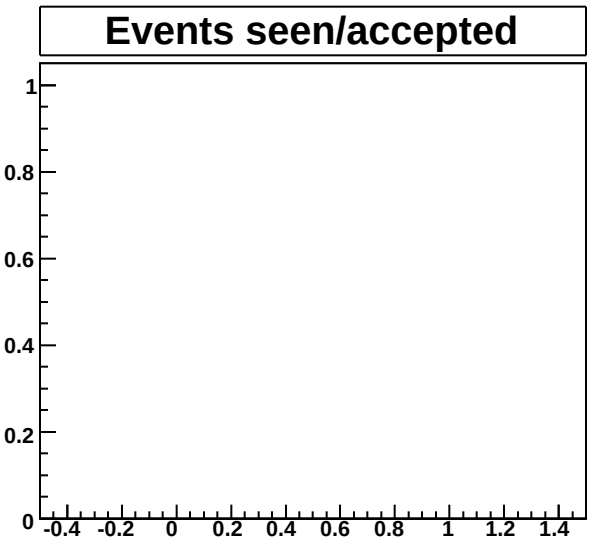
L2 upsilon#Countsυ#any

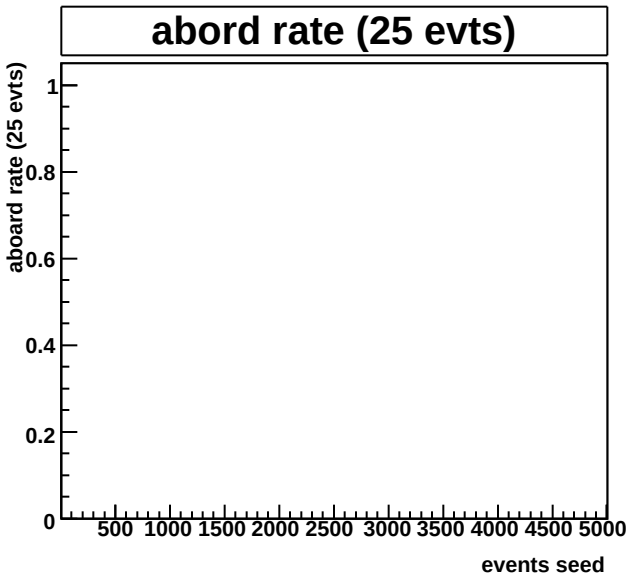




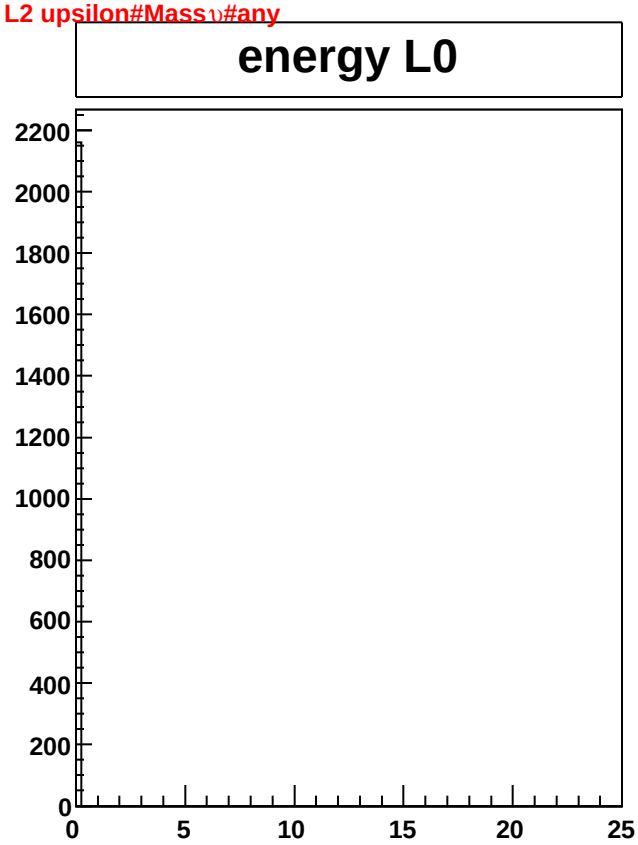


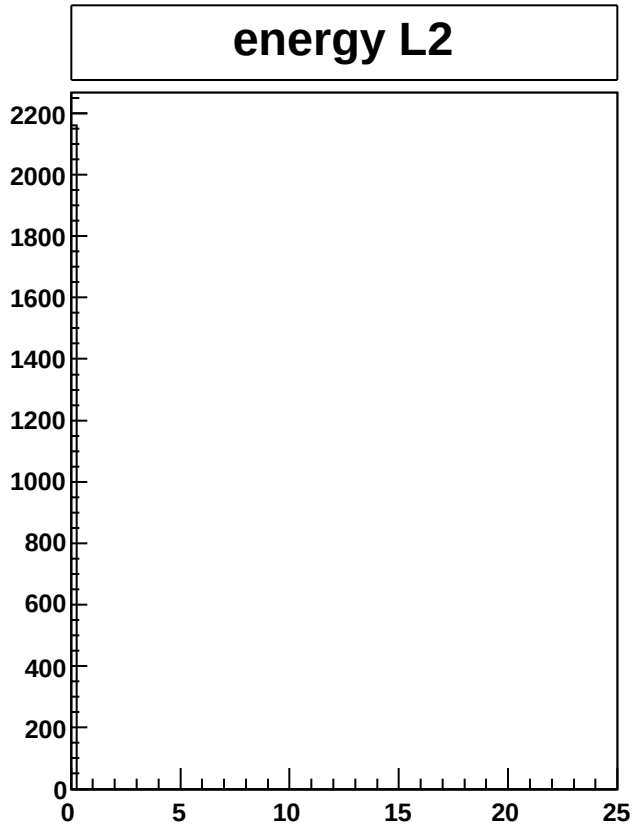


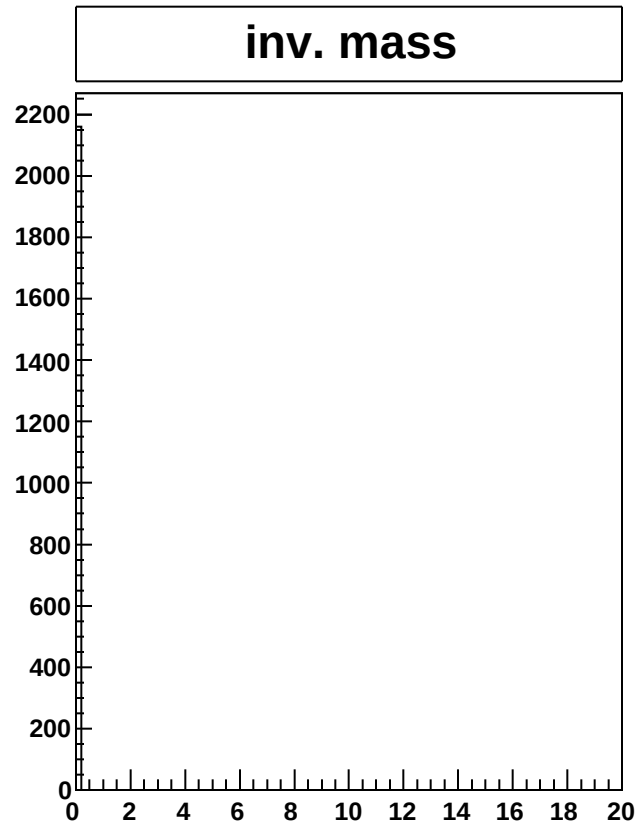


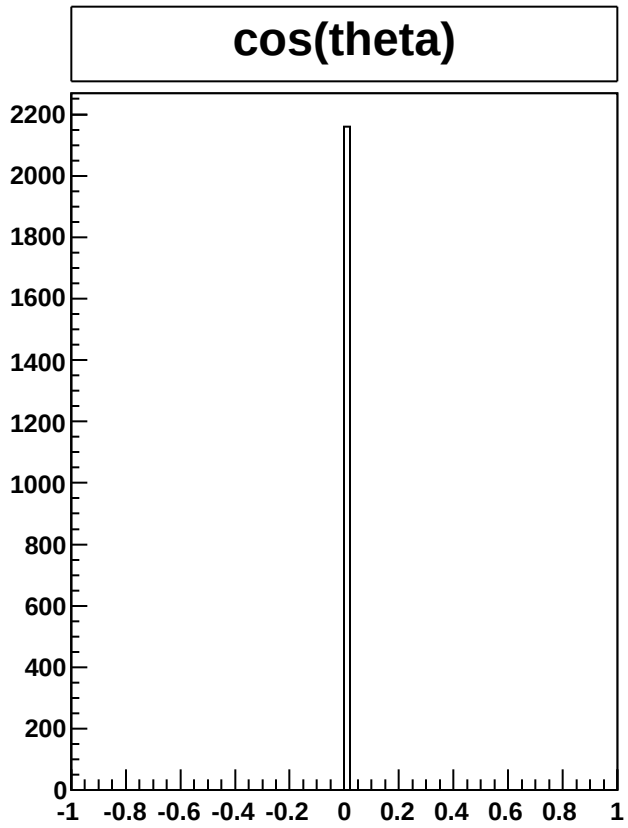


L2 upsilon#Massυ#any

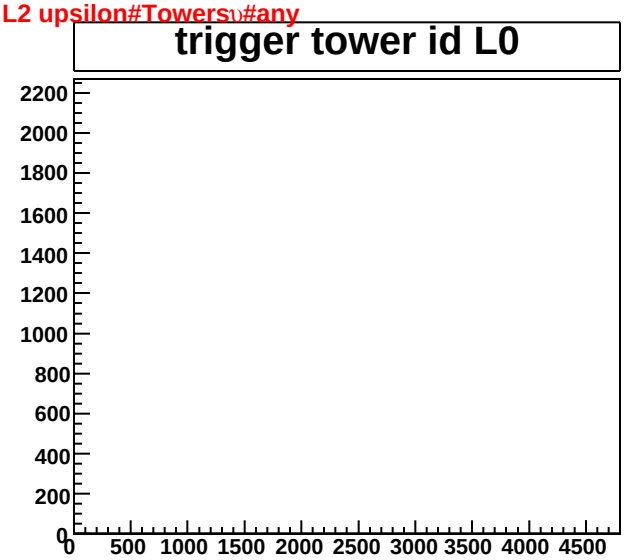


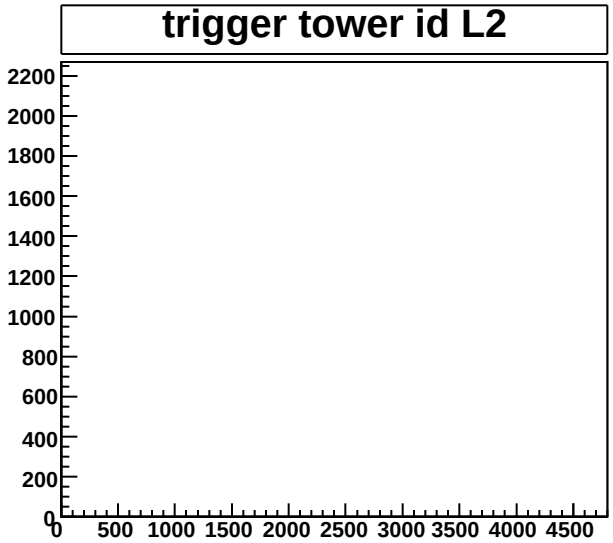


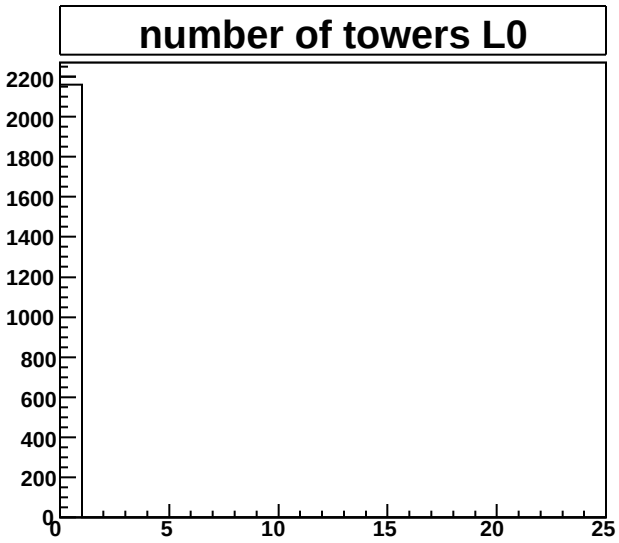


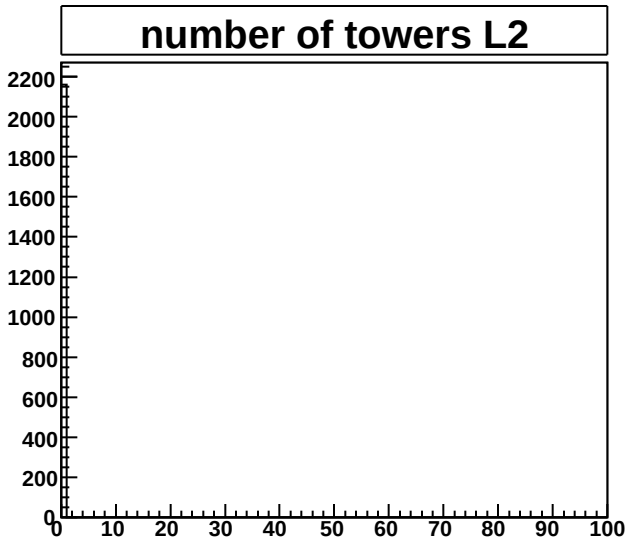


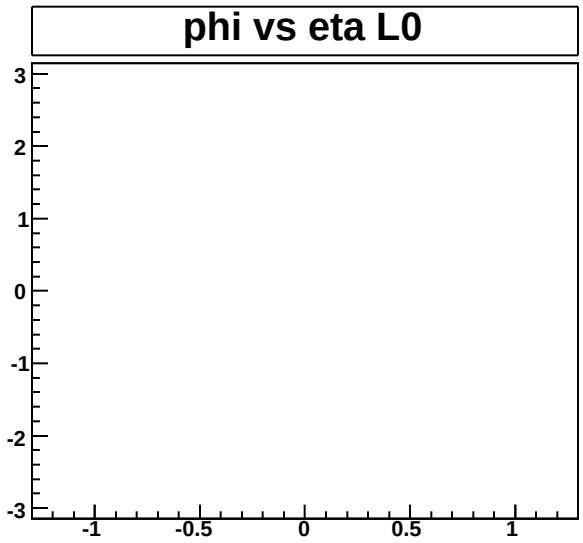
L2 upsilon#Towersυ#any

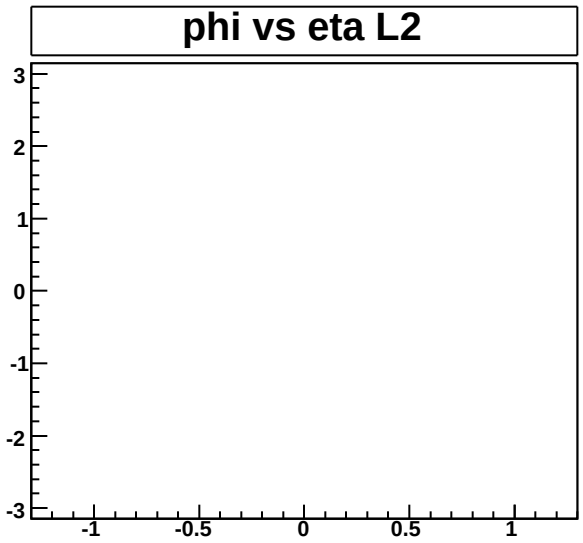






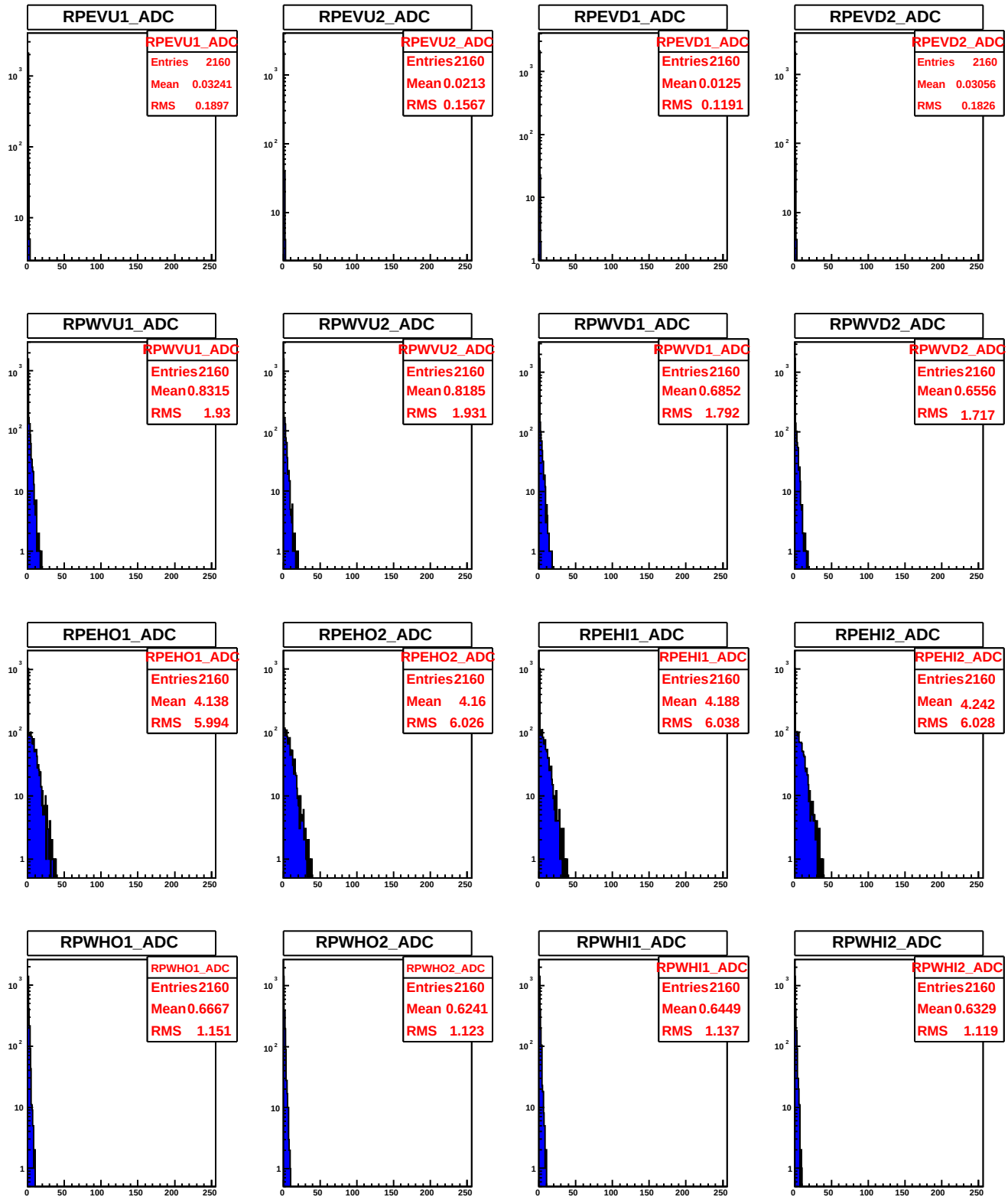






P2P#Trg1-16#any#trg

Run: #12079038



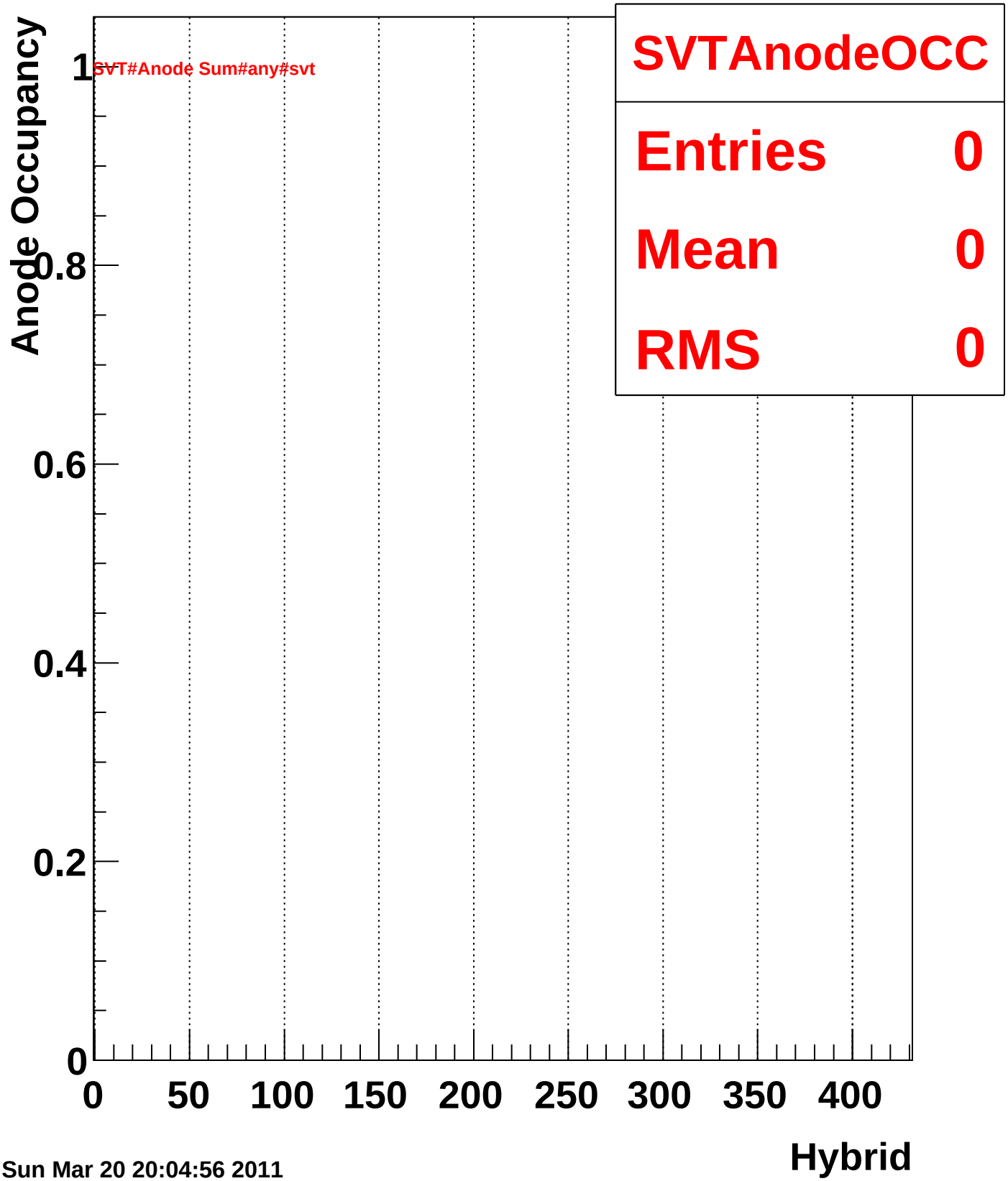
Sun Mar 20 20:04:55 2011

P2P#Trg17-32#any#trg

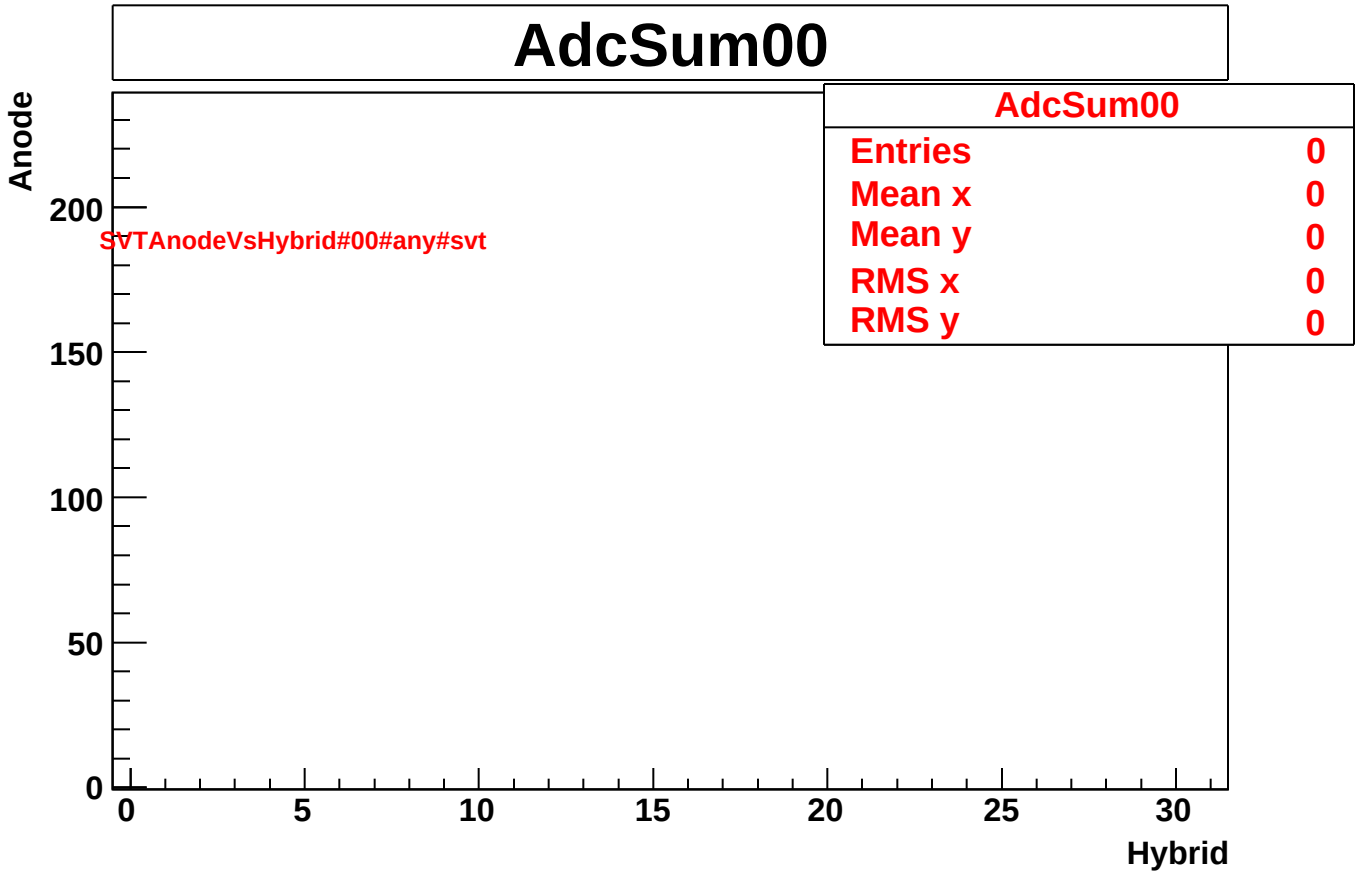
Run: #12079038

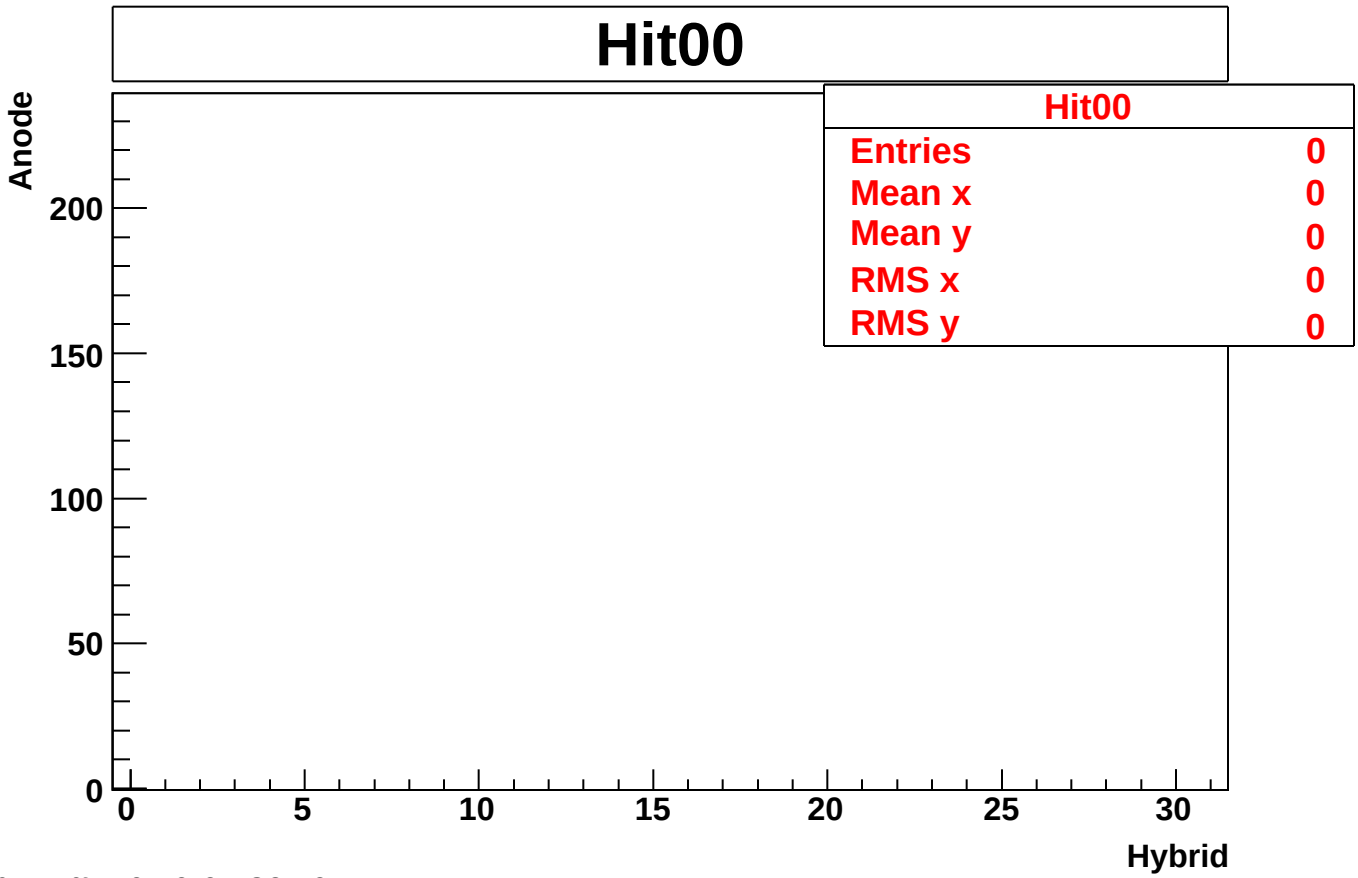
Sun Mar 20 20:04:56 2011

SVTAnodeOCC



Sun Mar 20 20:04:56 2011


AdcSum00
AdcSum00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#00#any#svt
Anode
0
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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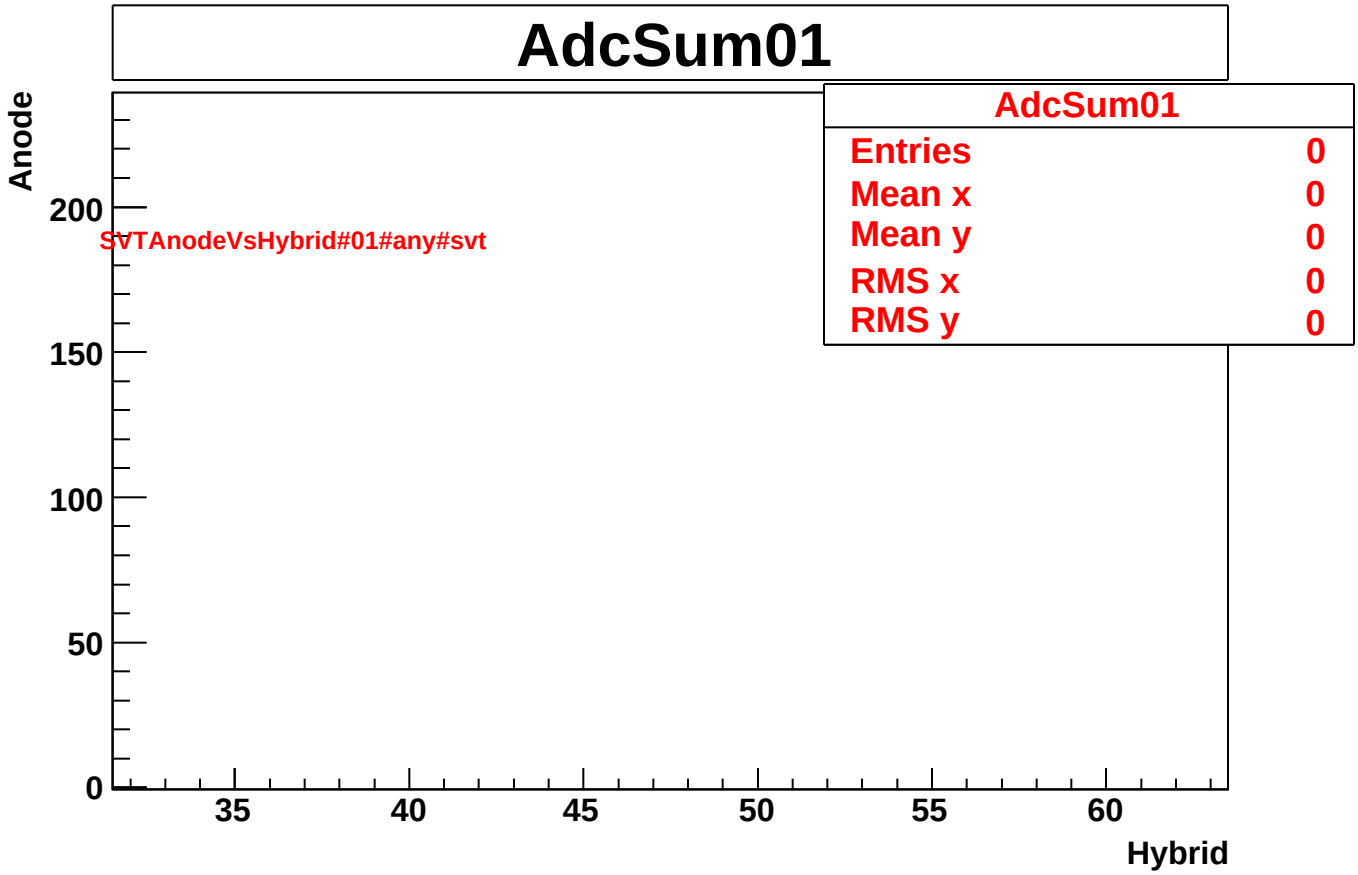
10
15
20
25
30
Hybrid


AdcSum01
AdcSum01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#01#any#svt
Anode
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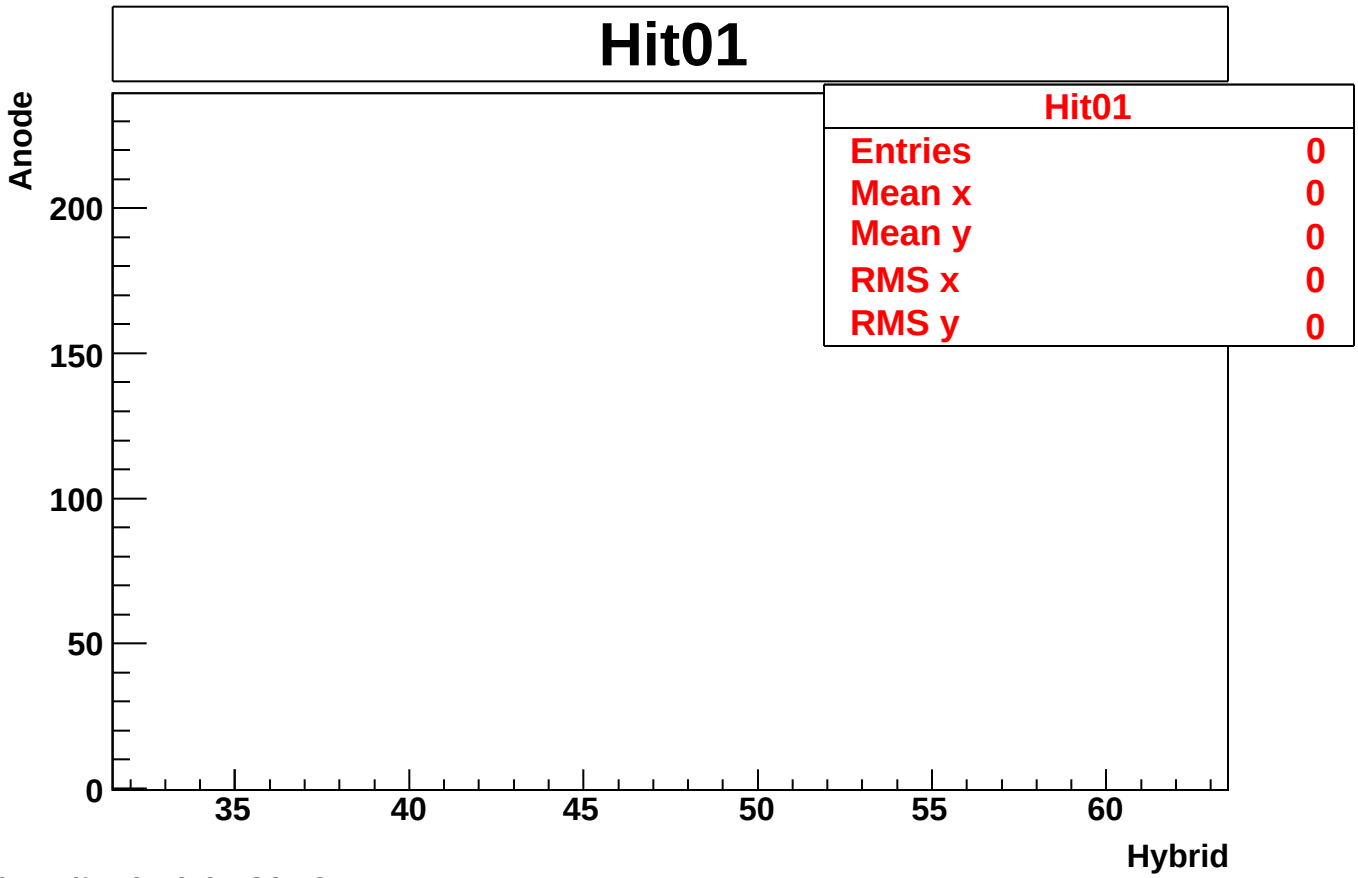
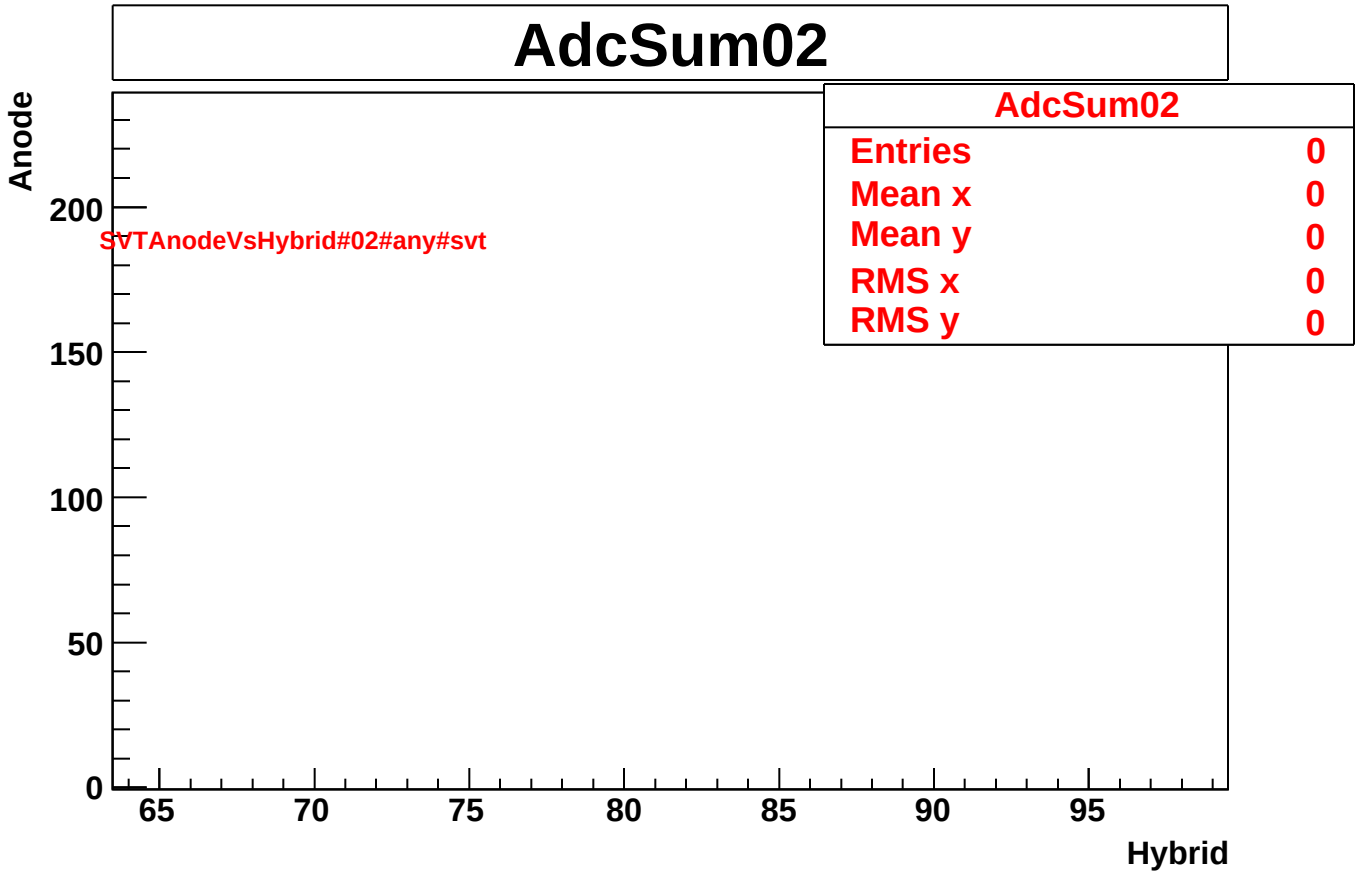
40
45
50
55
60
Hybrid


Hit01
Hit01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
35
40
45
50
55
60
Hybrid


AdcSum02
AdcSum02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#02#any#svt
Anode
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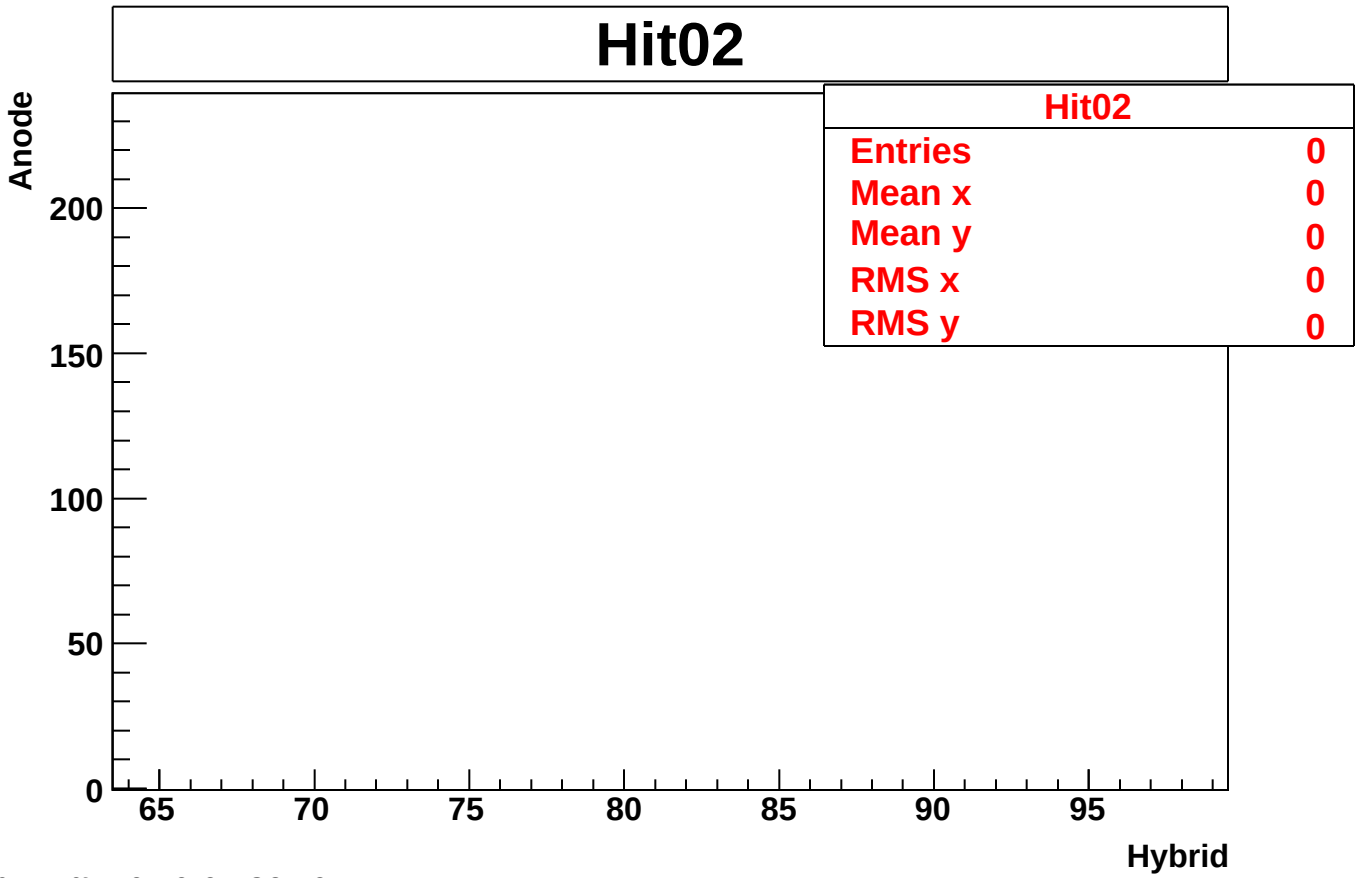
50
100
150
200
65
70
75
80
85
90
95
Hybrid


Hit02
Hit02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
65
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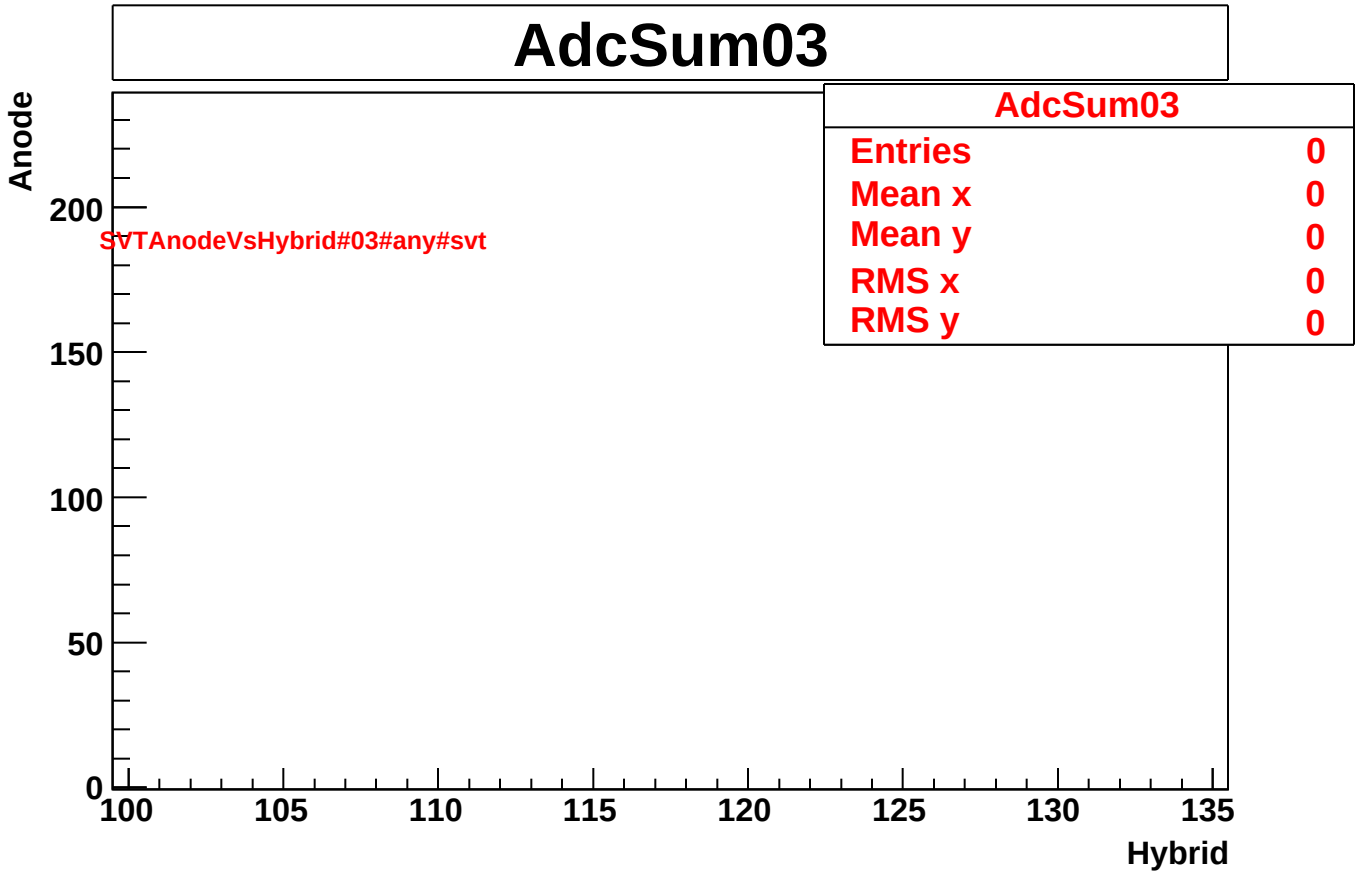
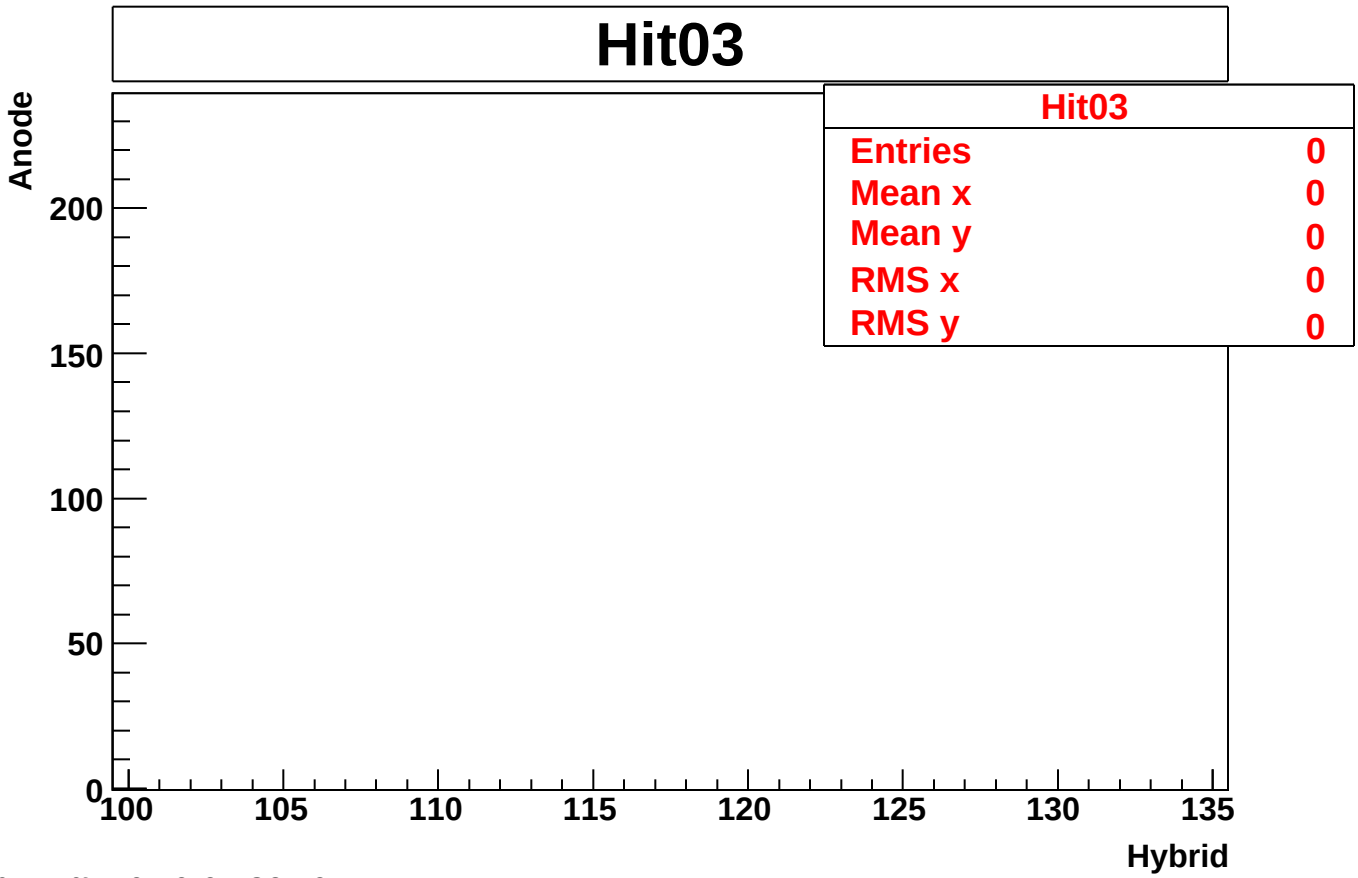
75
80
85
90
95
Hybrid


AdcSum03
AdcSum03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#03#any#svt
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid


Hit03
Hit03
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Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
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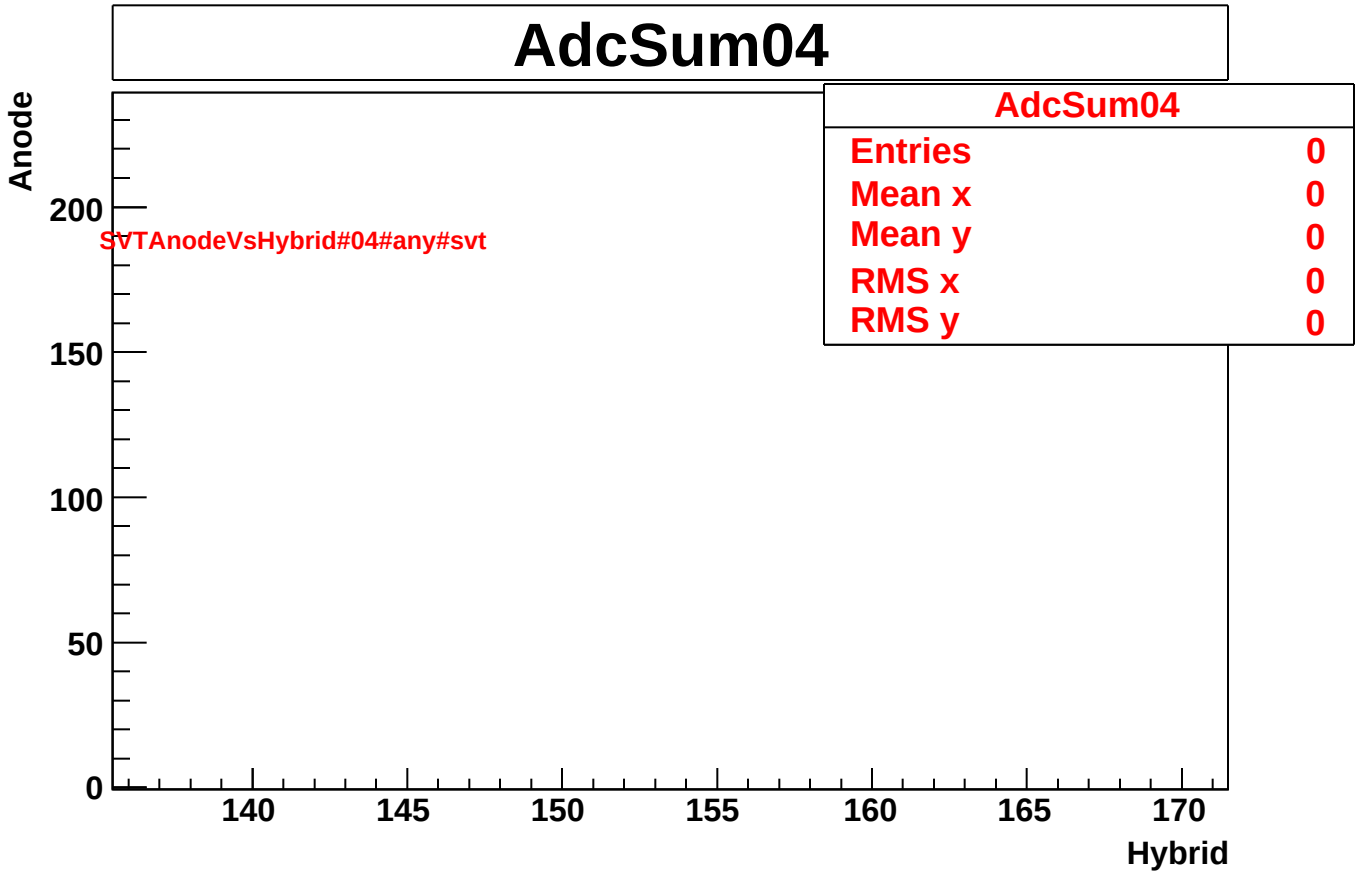
100
150
200
100
105
110
115
120
125
130
135
Hybrid


AdcSum04
AdcSum04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#04#any#svt
Anode
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100
150
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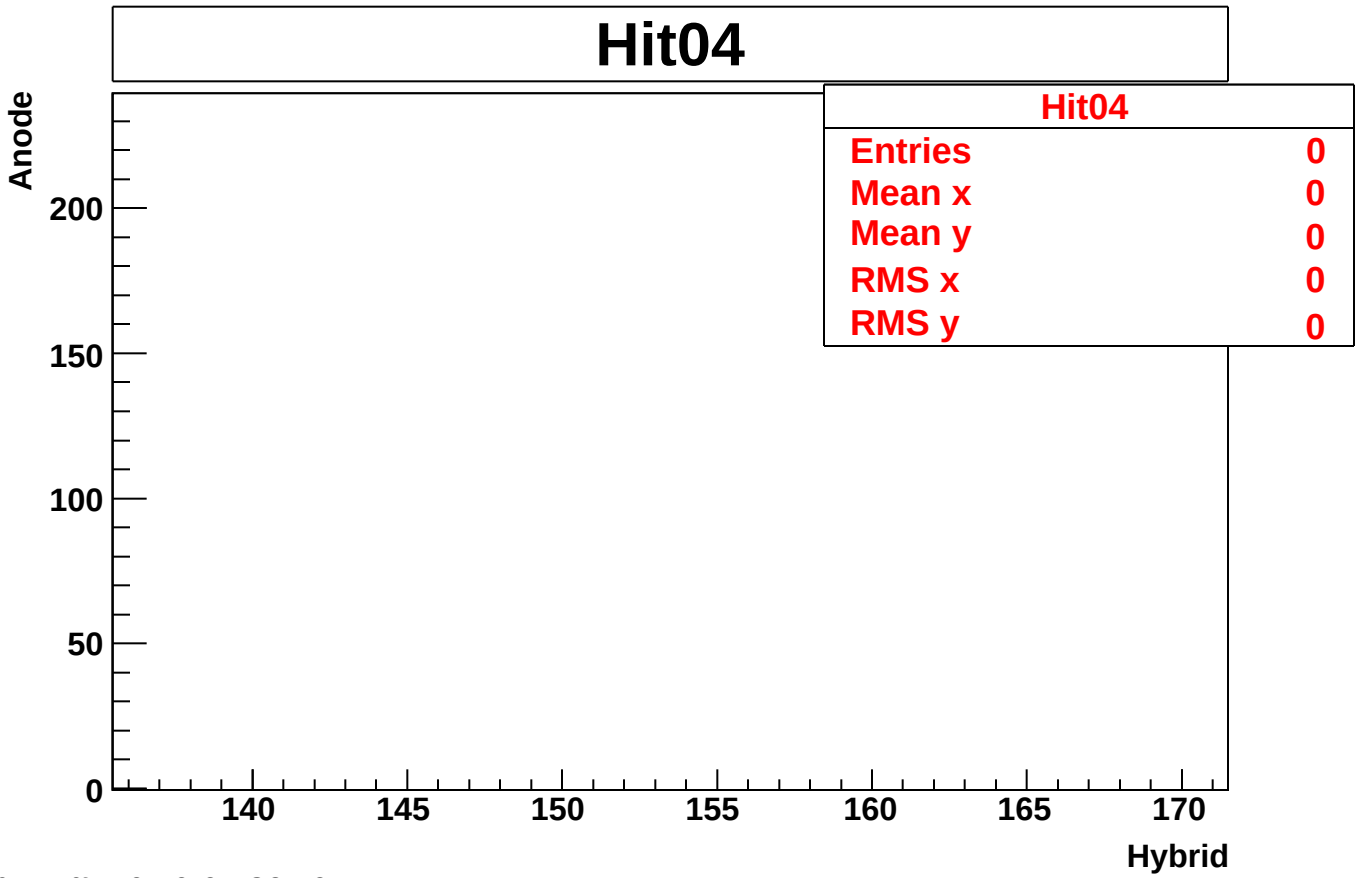
145
150
155
160
165
170
Hybrid


Hit04
Hit04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
140
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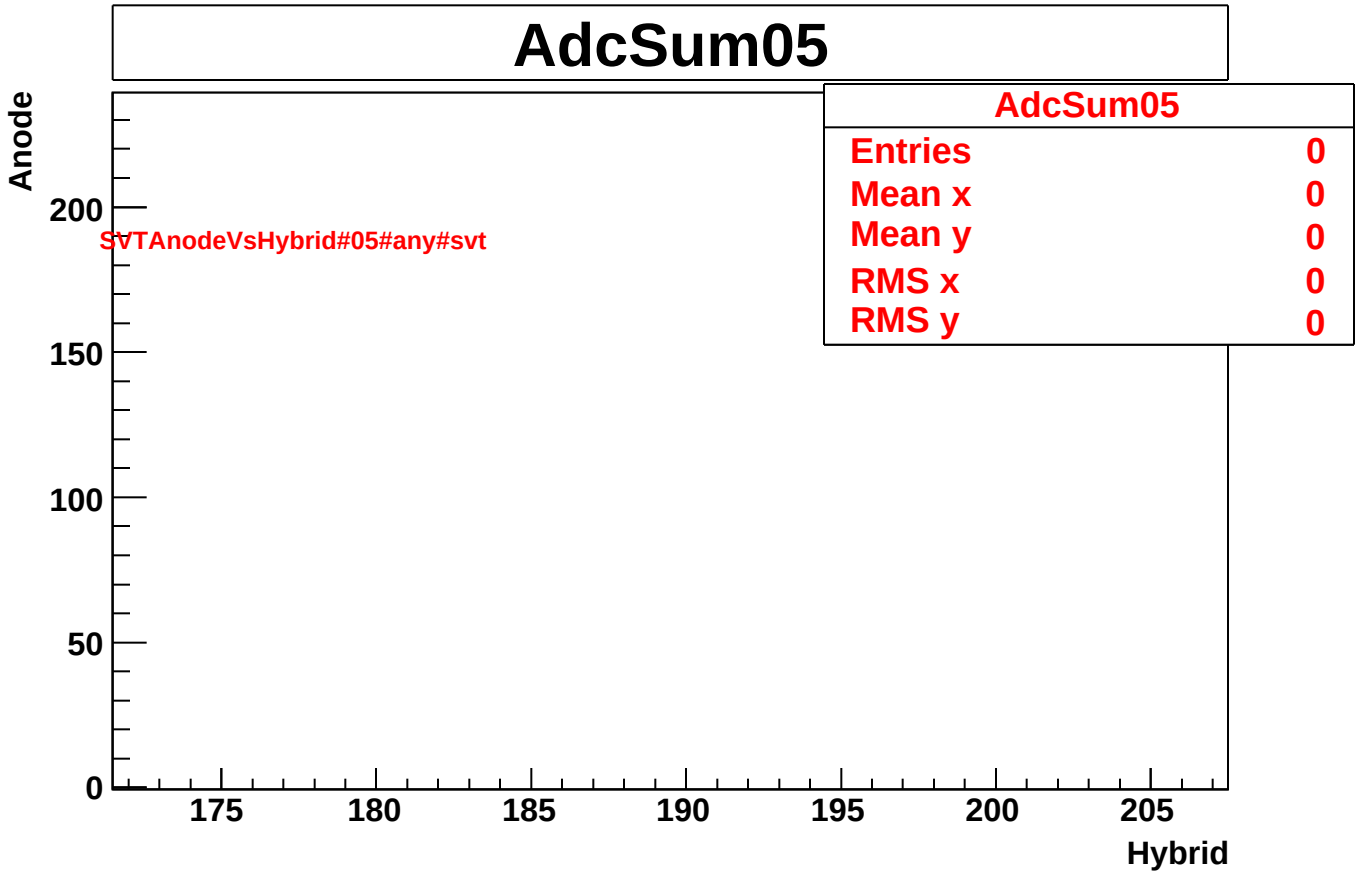
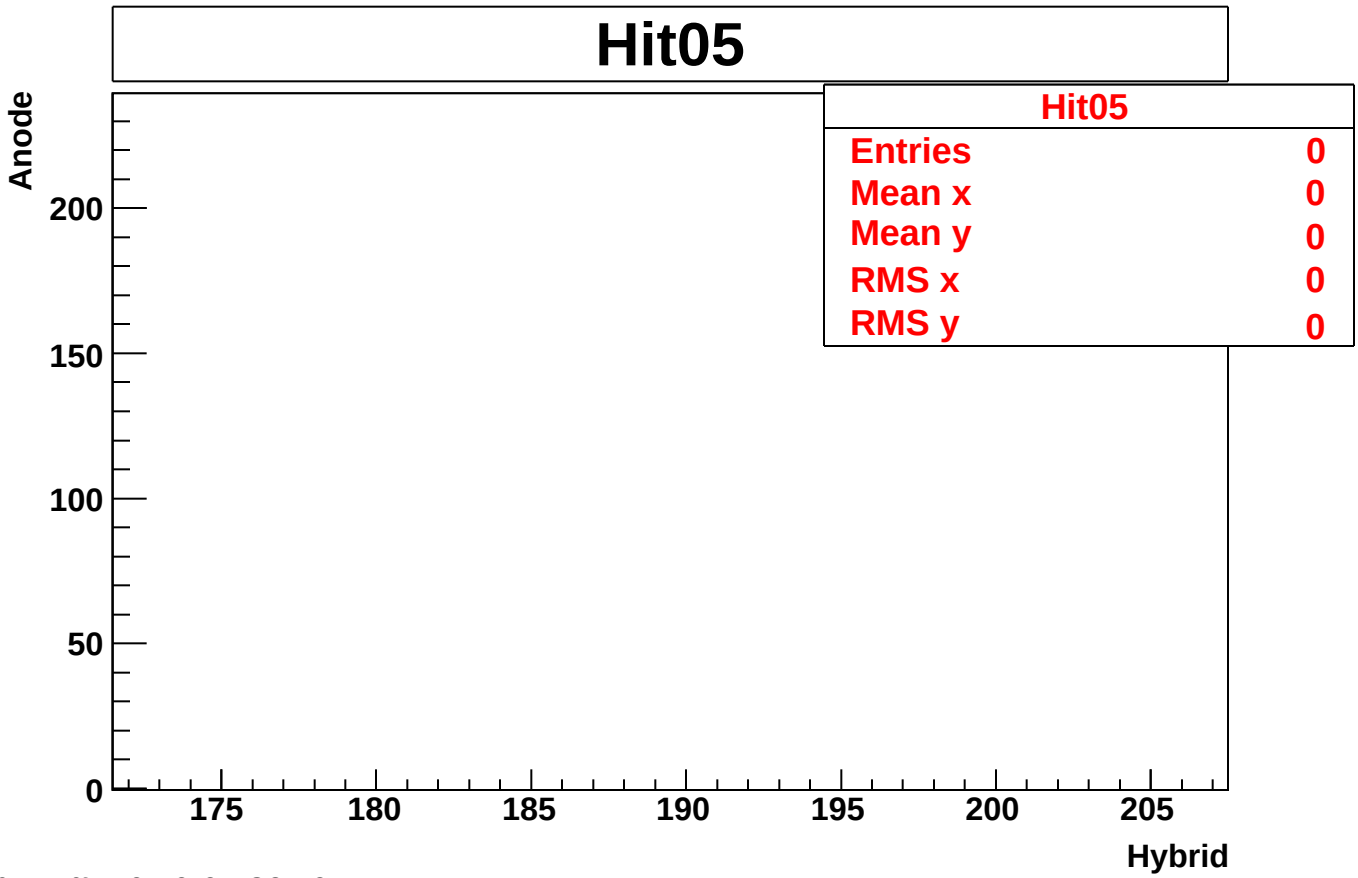
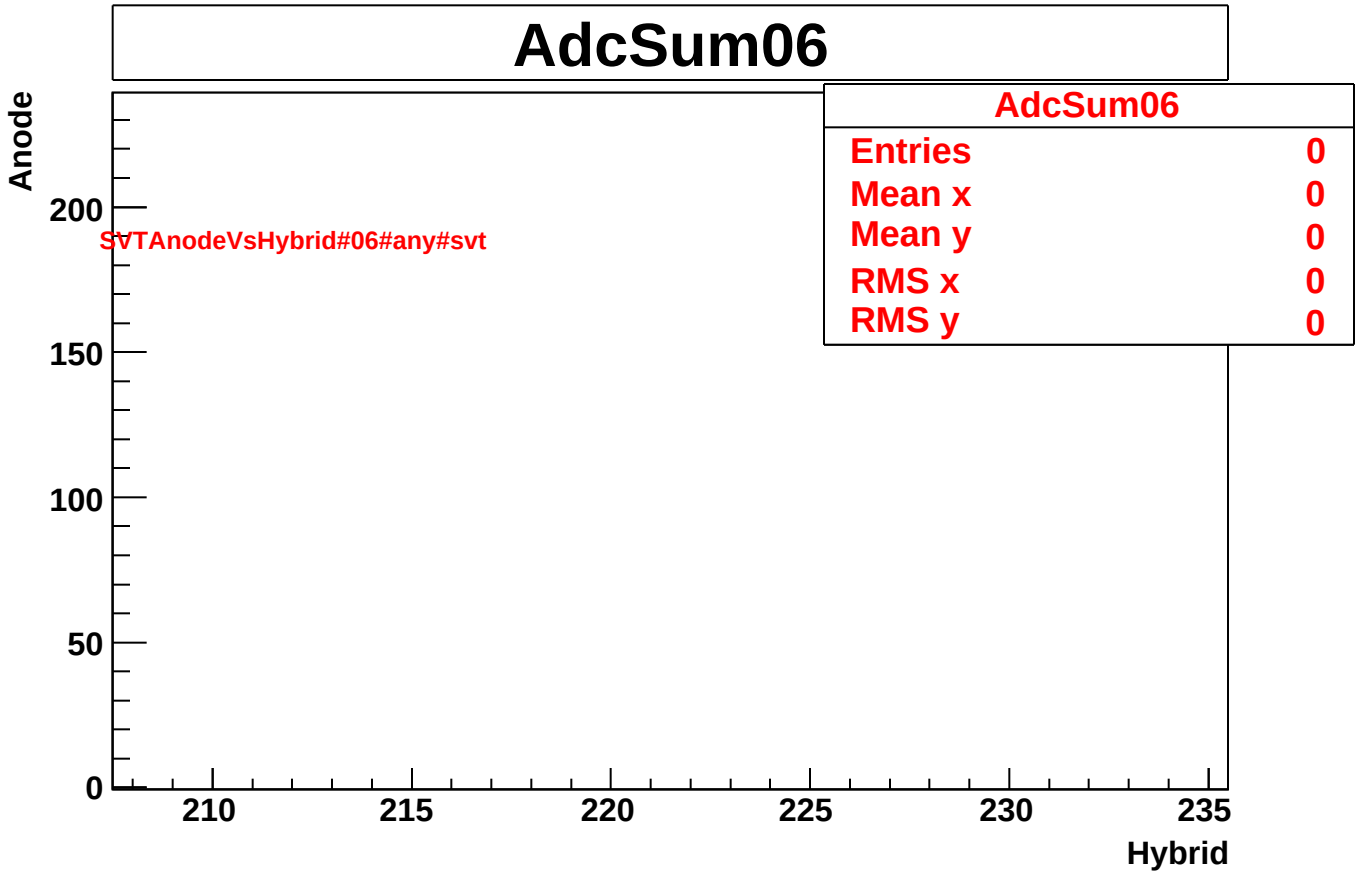
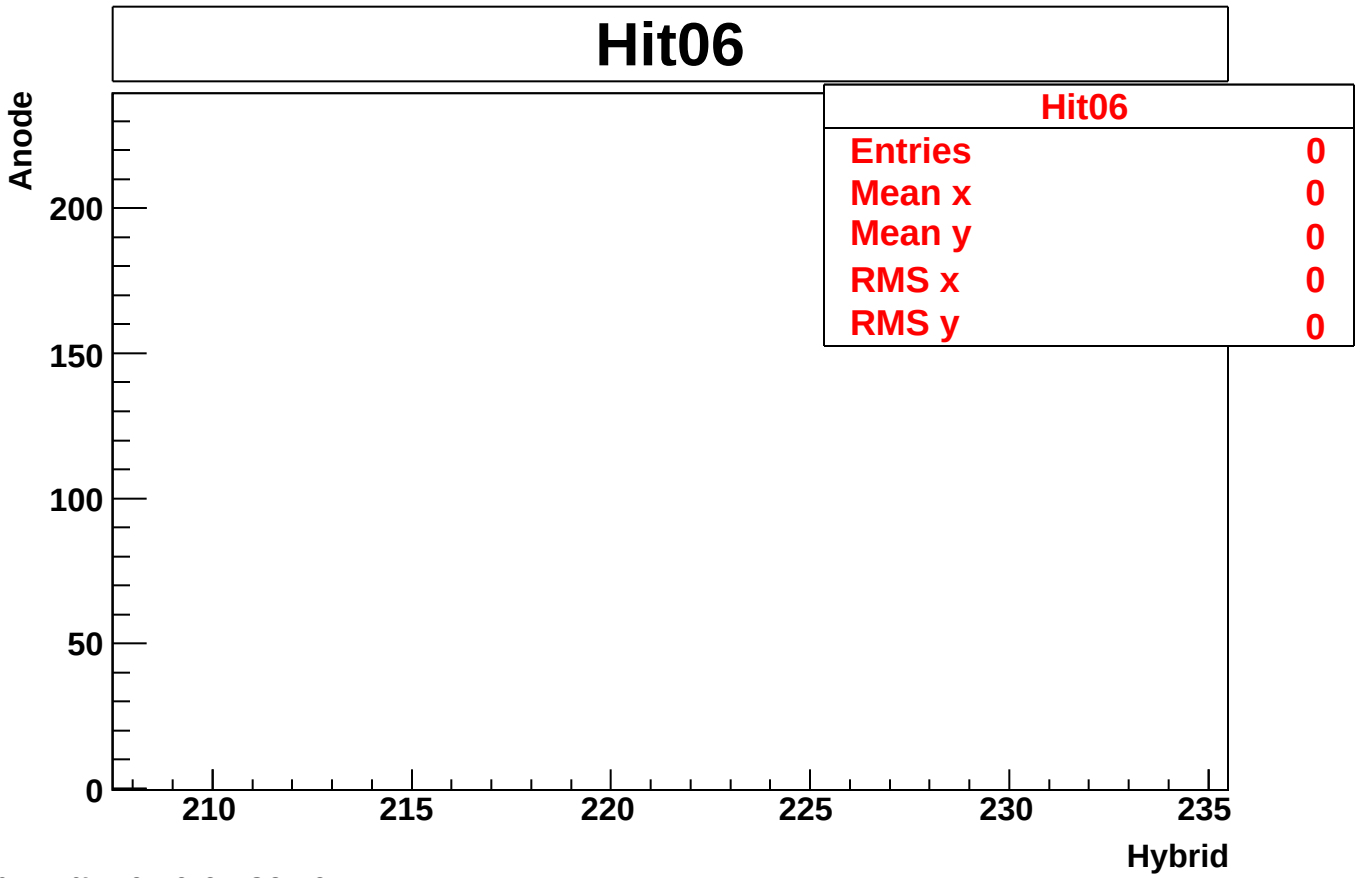
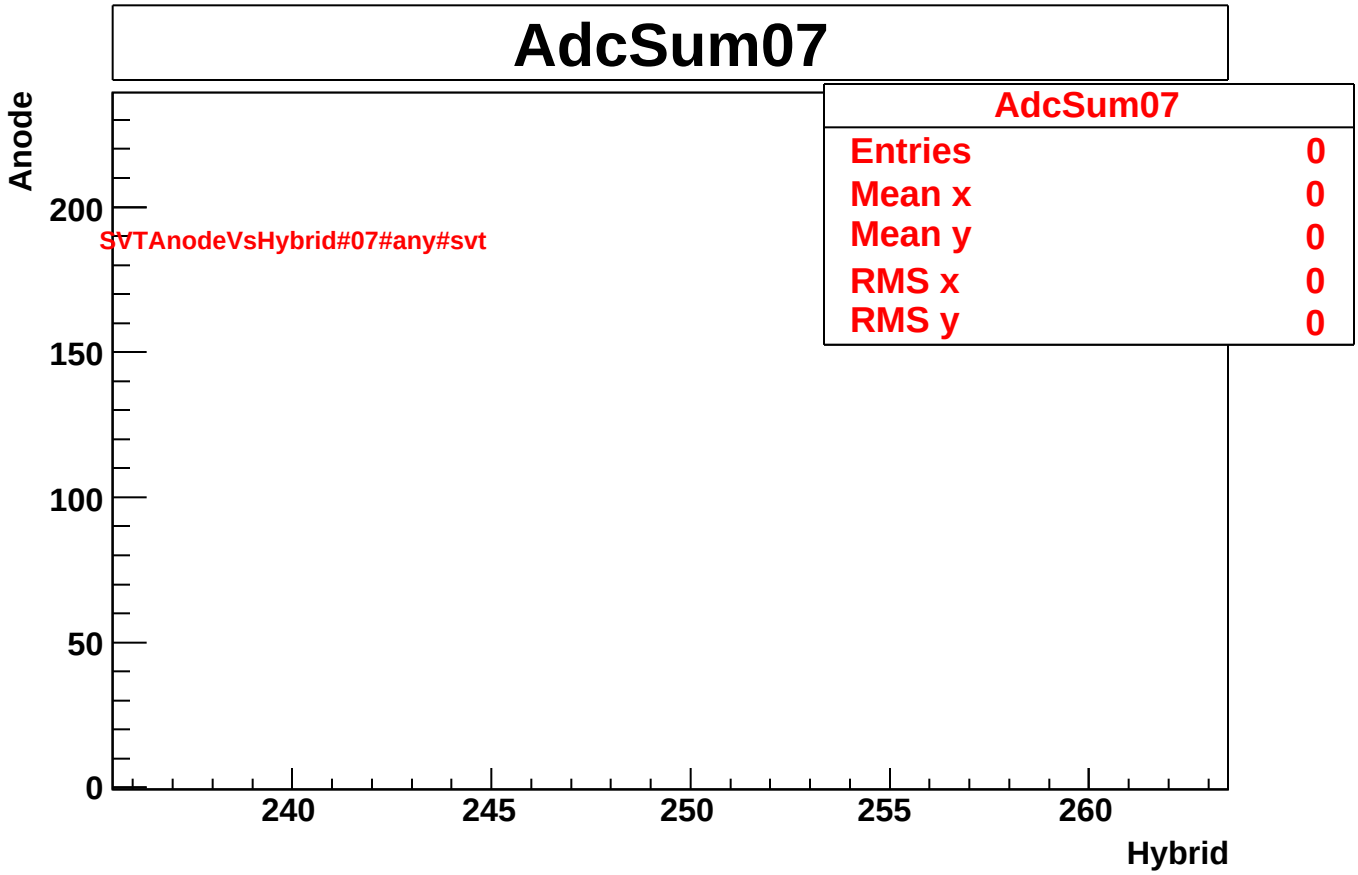
150
155
160
165
170
Hybrid

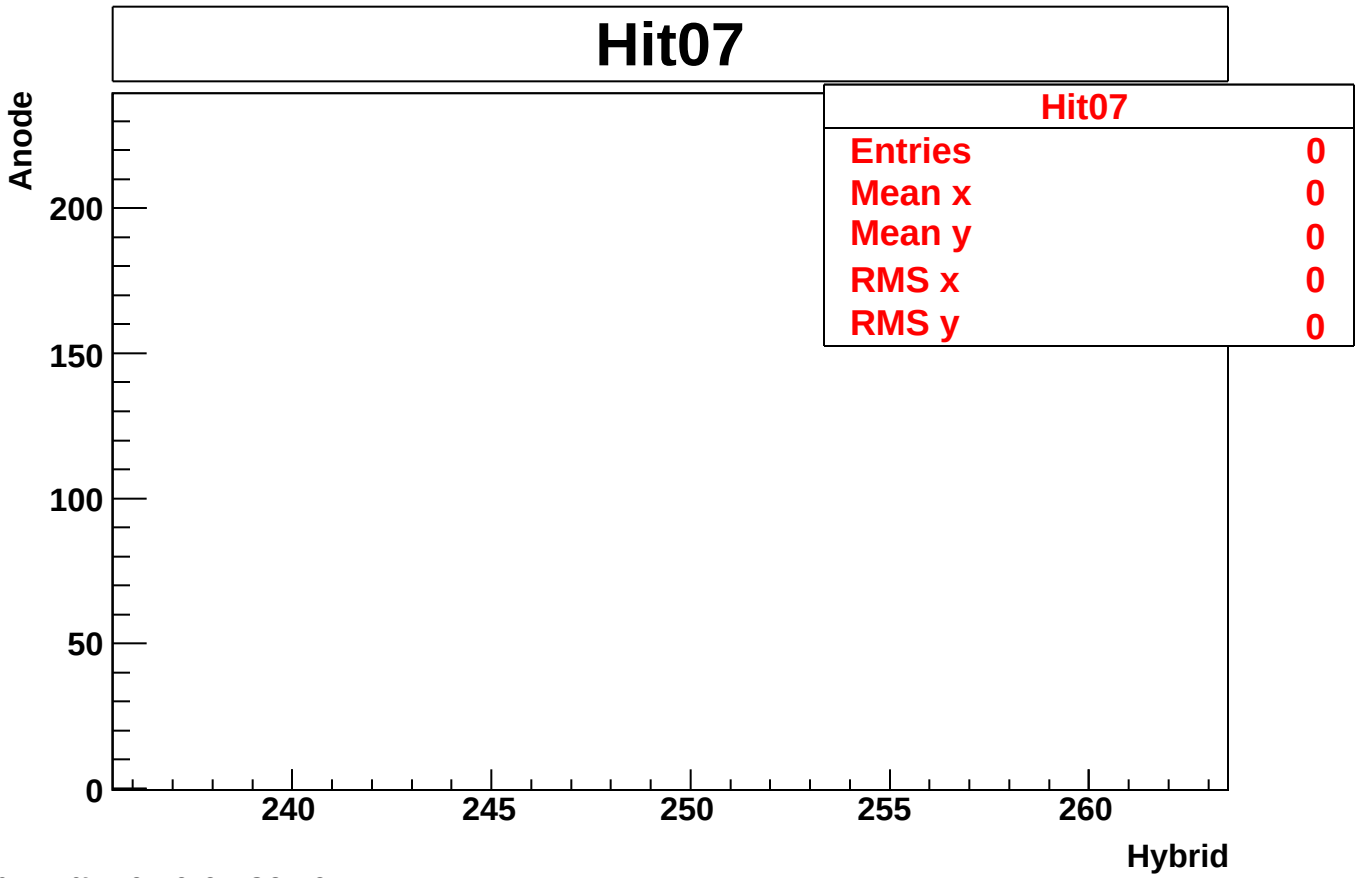

AdcSum05
AdcSum05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#05#any#svt
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

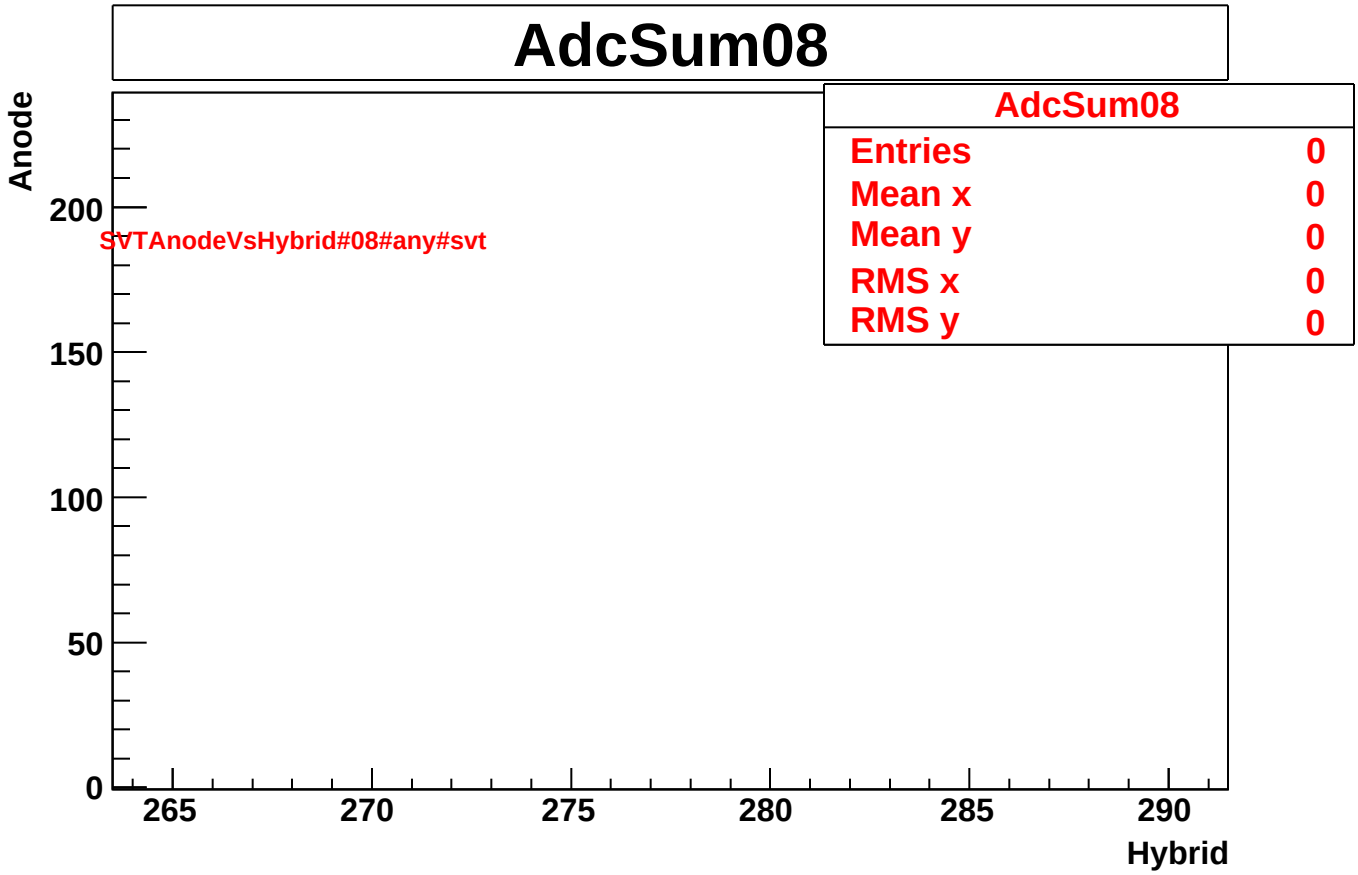

Hit05
Hit05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

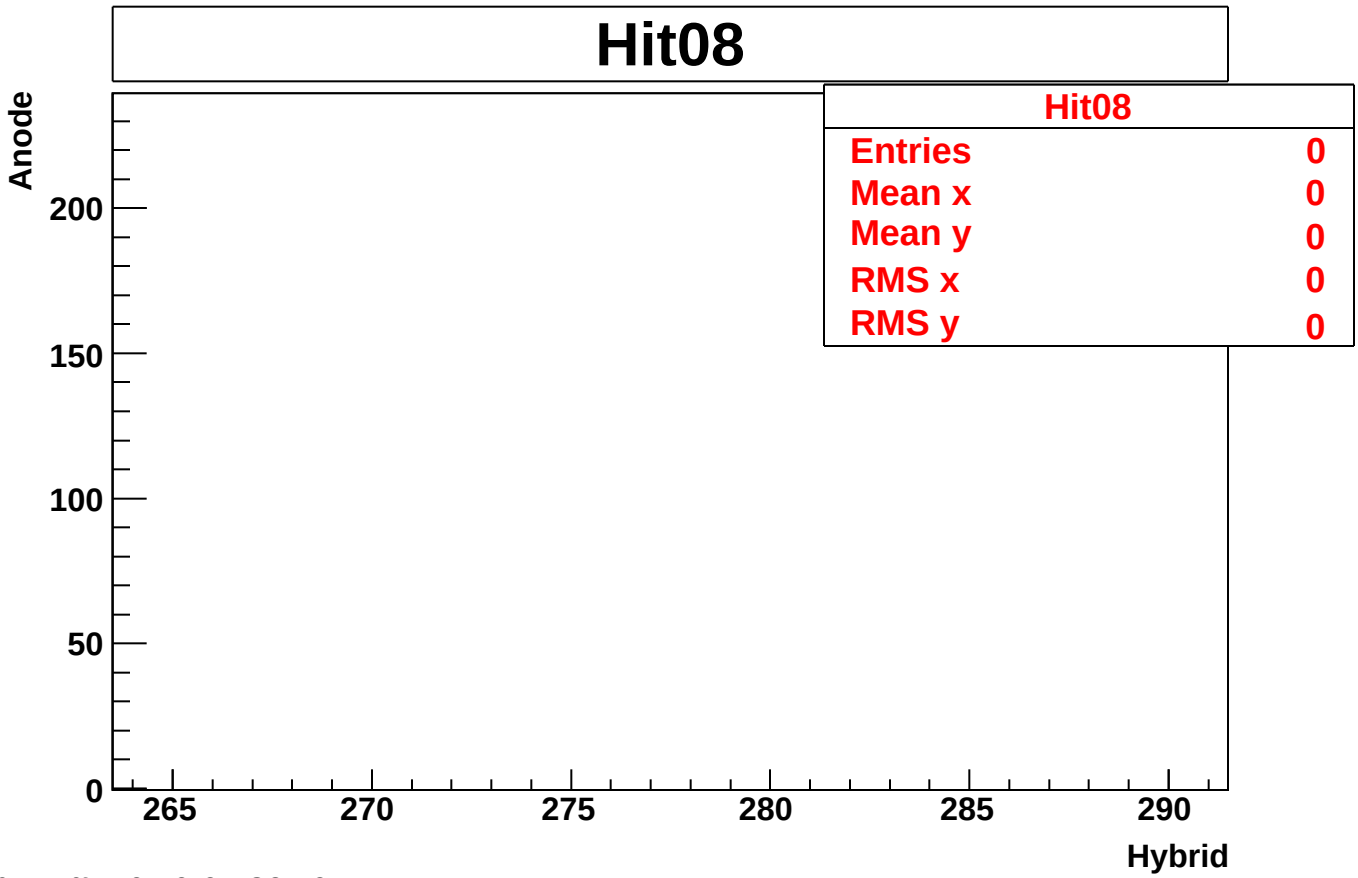

AdcSum06
AdcSum06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#06#any#svt
Anode
0
50
100
150
200
210
215
220
225
230
235
Hybrid

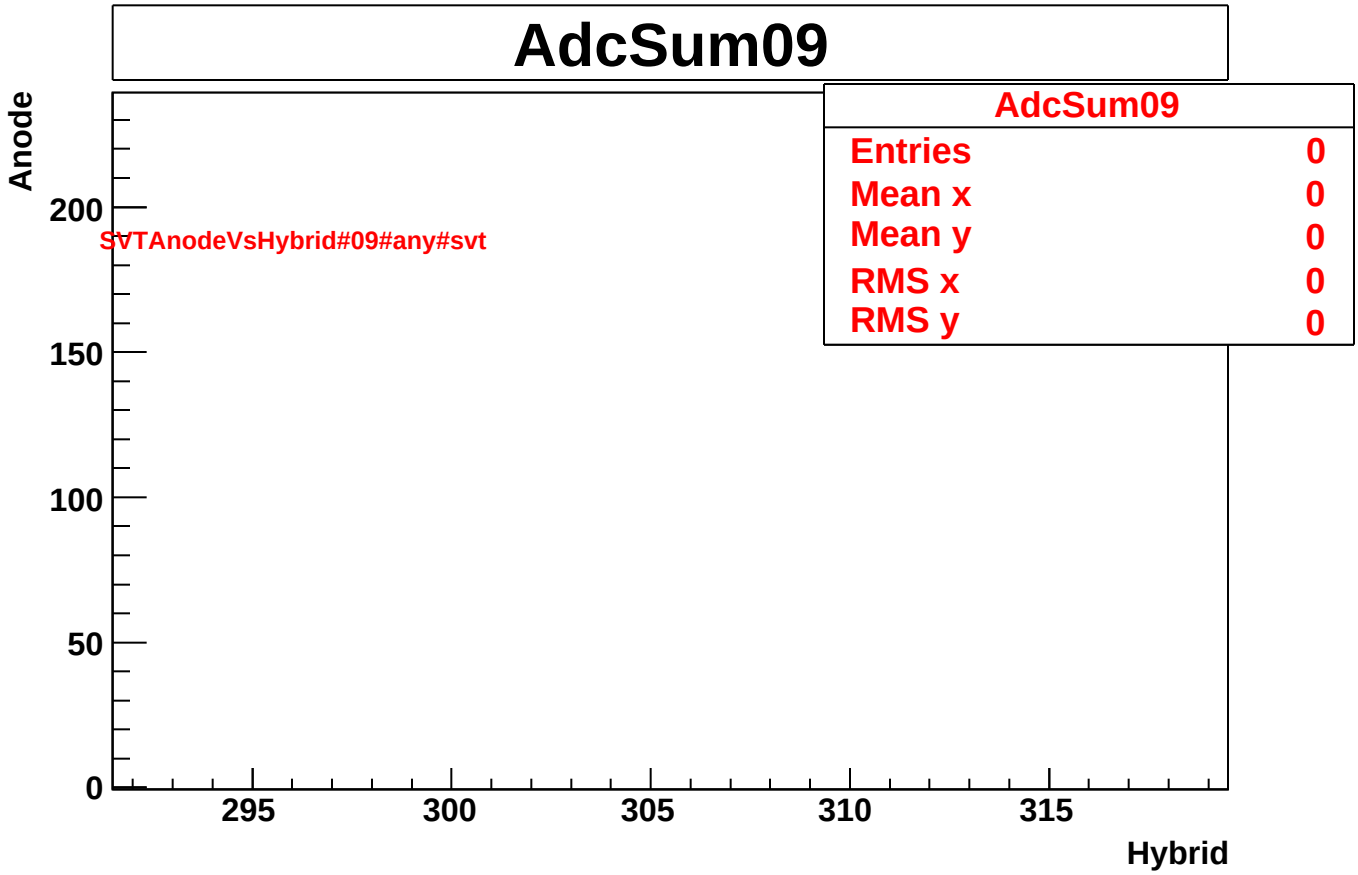

Hit06
Hit06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
210
215
220
225
230
235
Hybrid

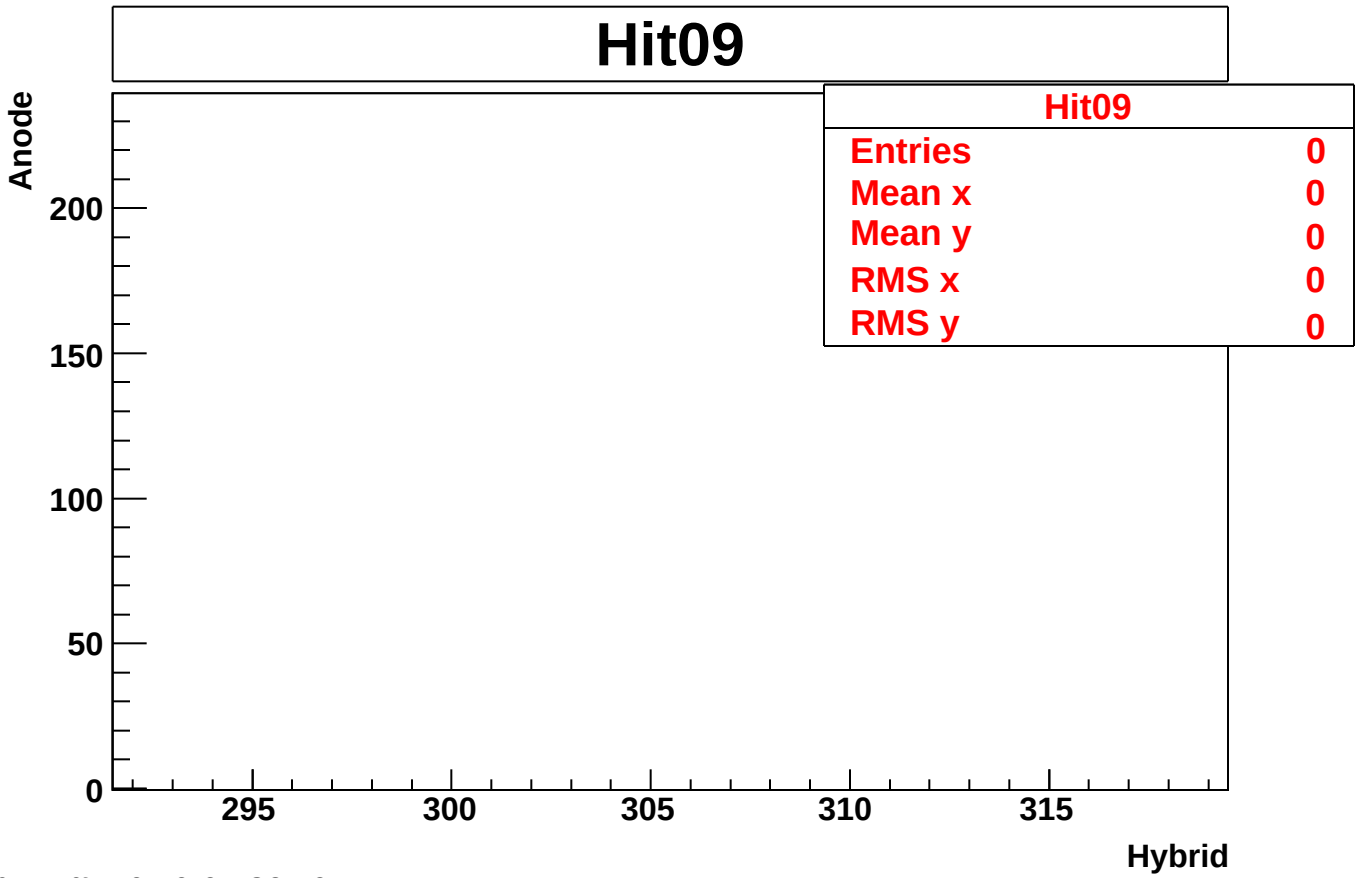

AdcSum07
AdcSum07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#07#any#svt
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

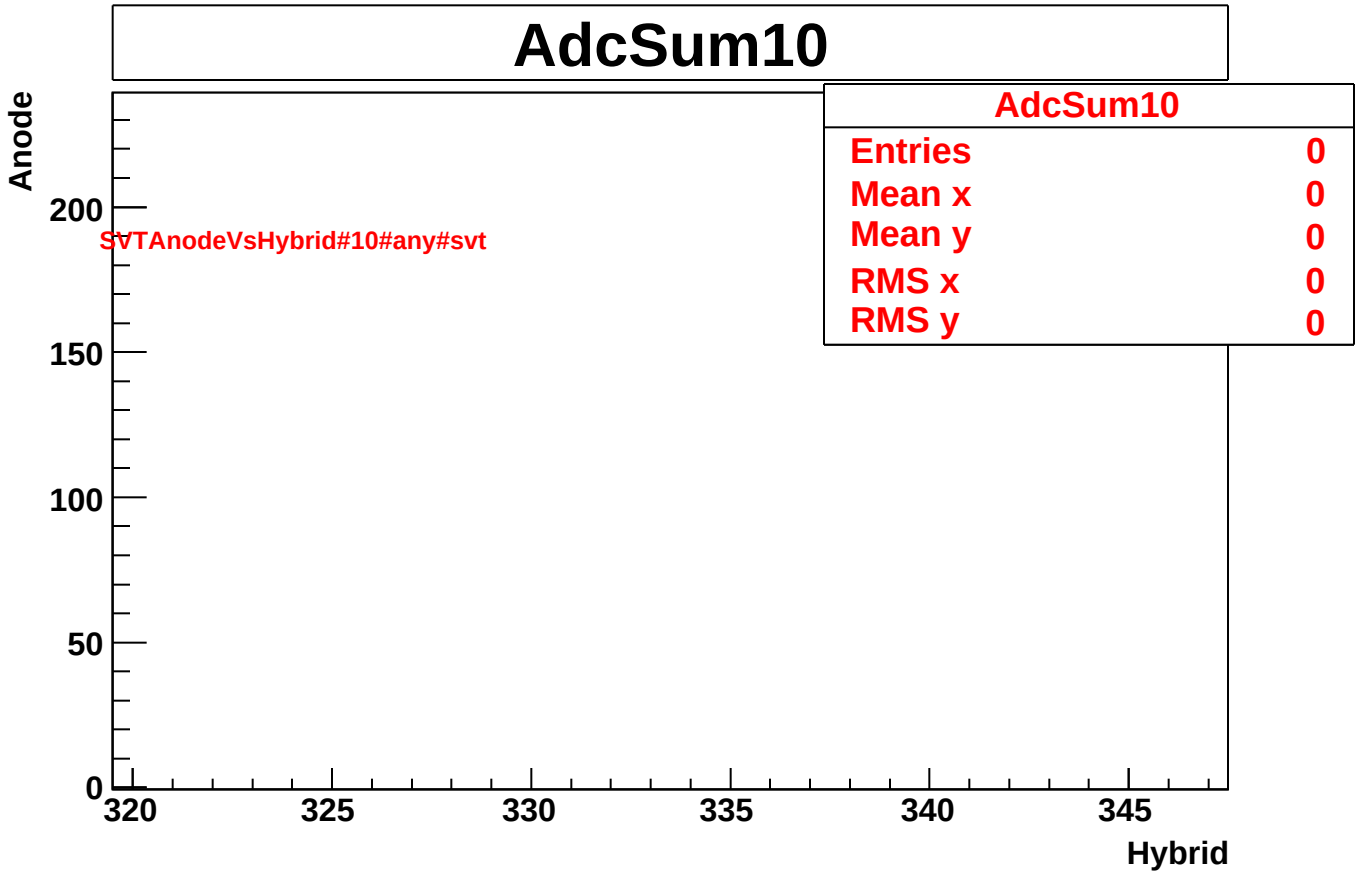

Hit07
Hit07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

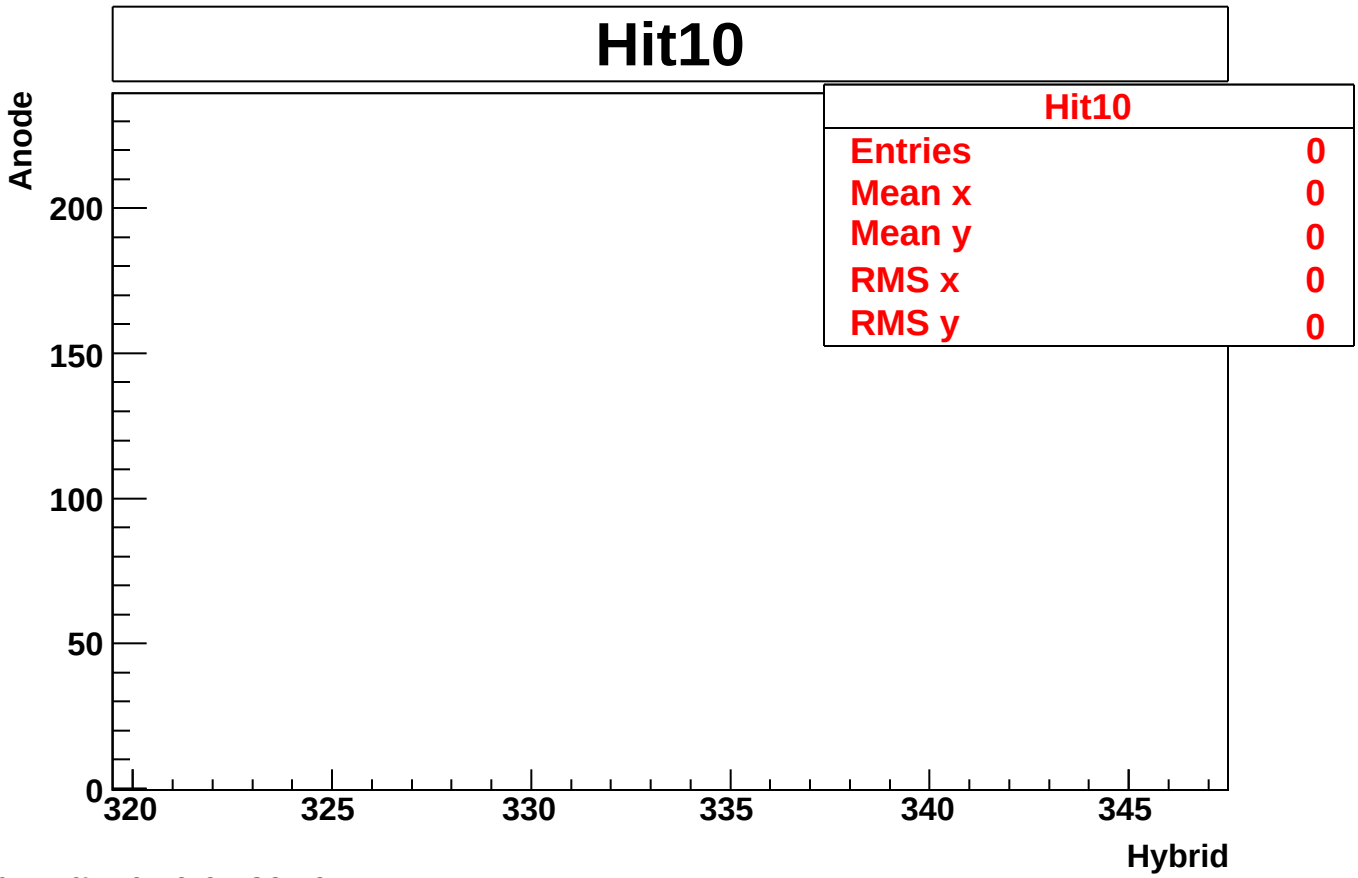

AdcSum08
AdcSum08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#08#any#svt
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

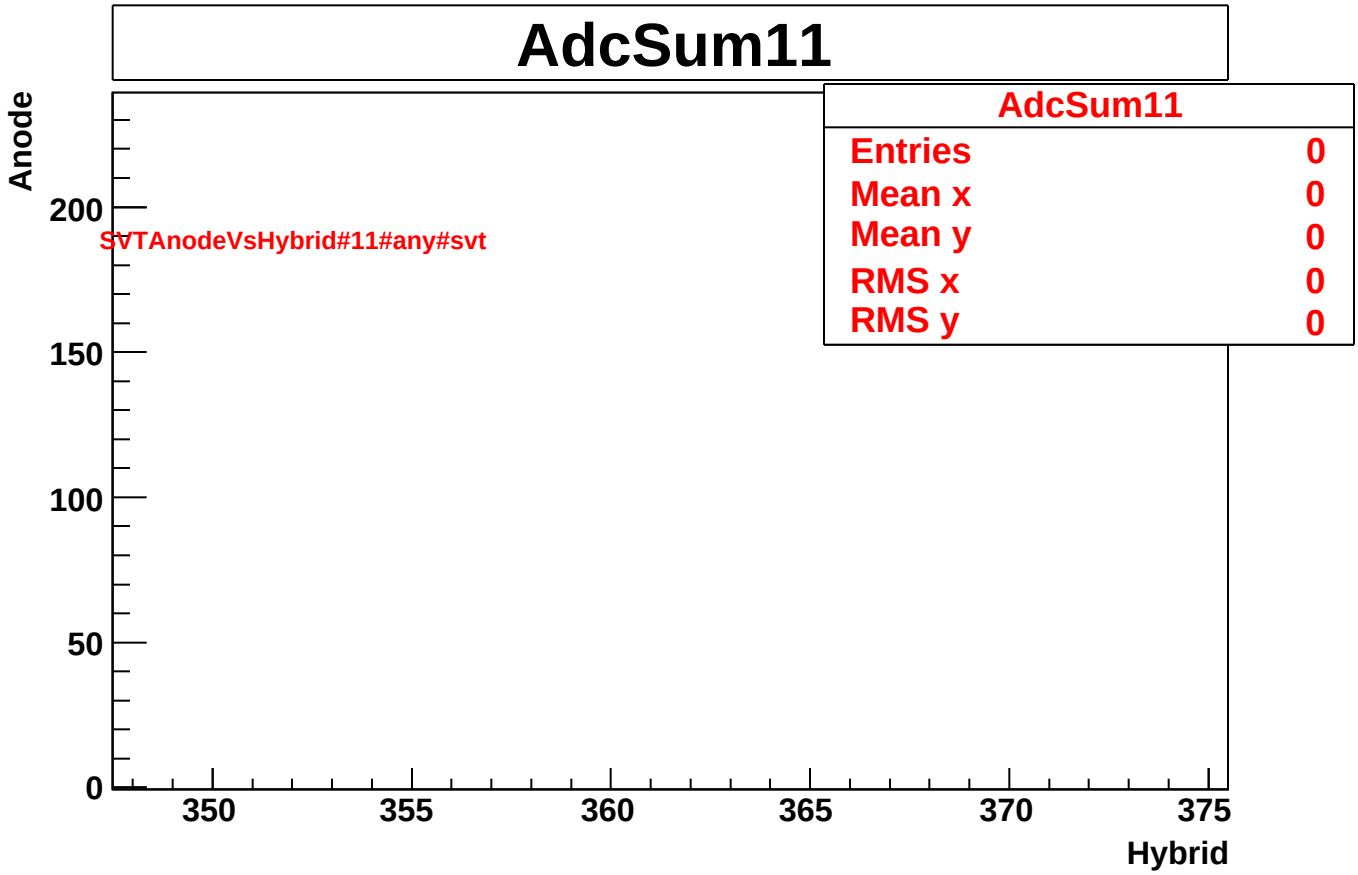

Hit08
Hit08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

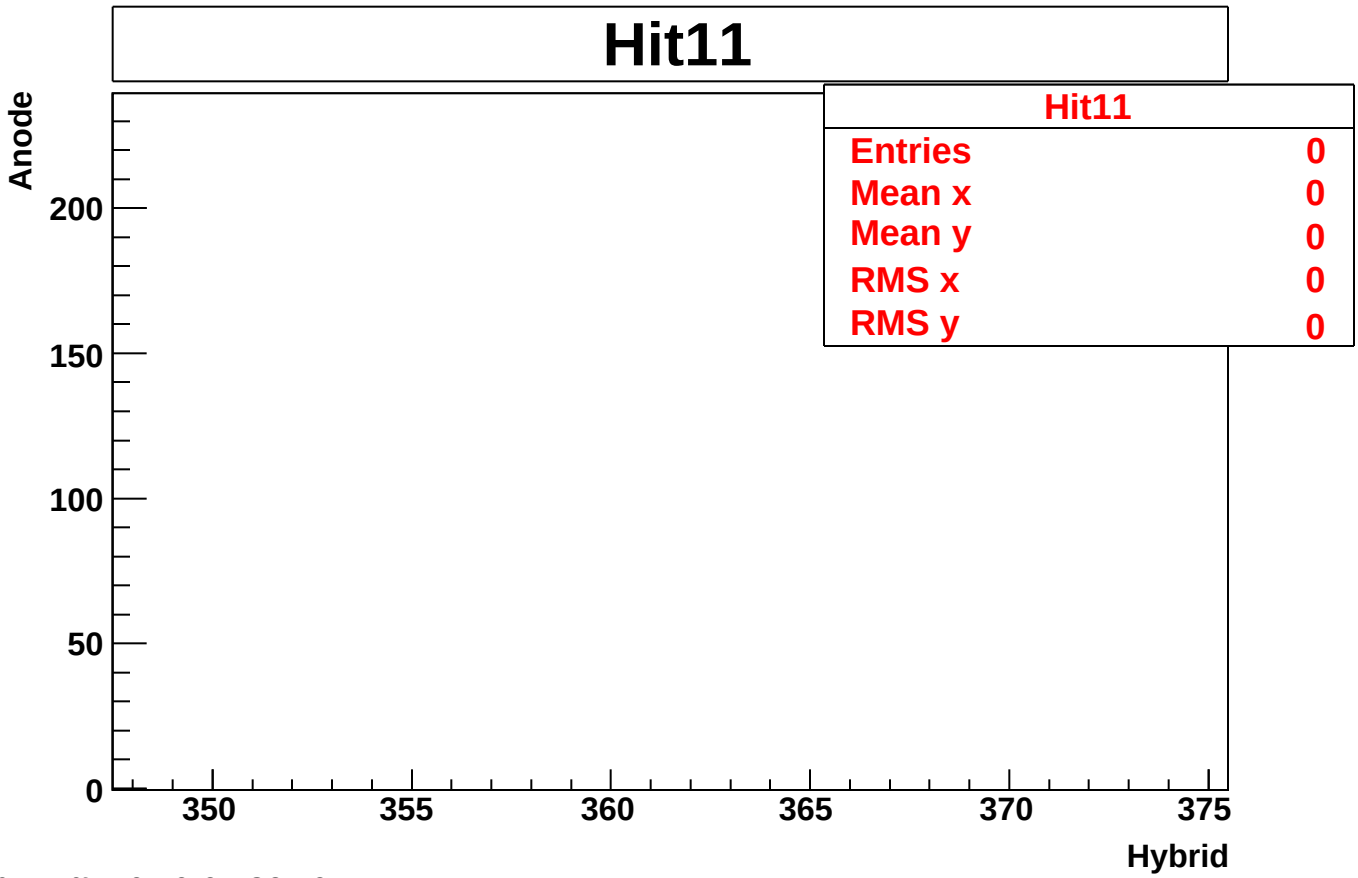

AdcSum09
AdcSum09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#09#any#svt
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

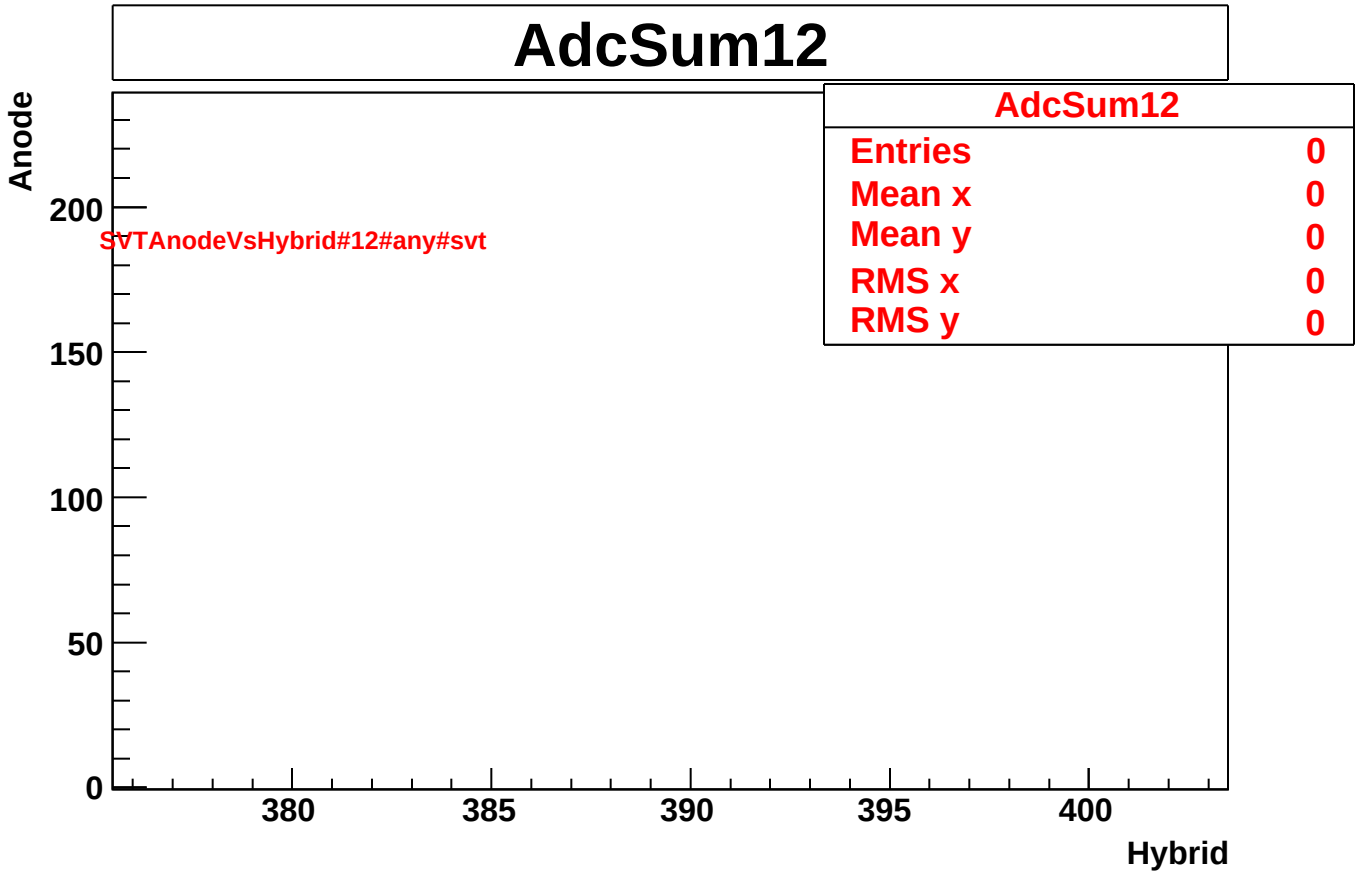

Hit09
Hit09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

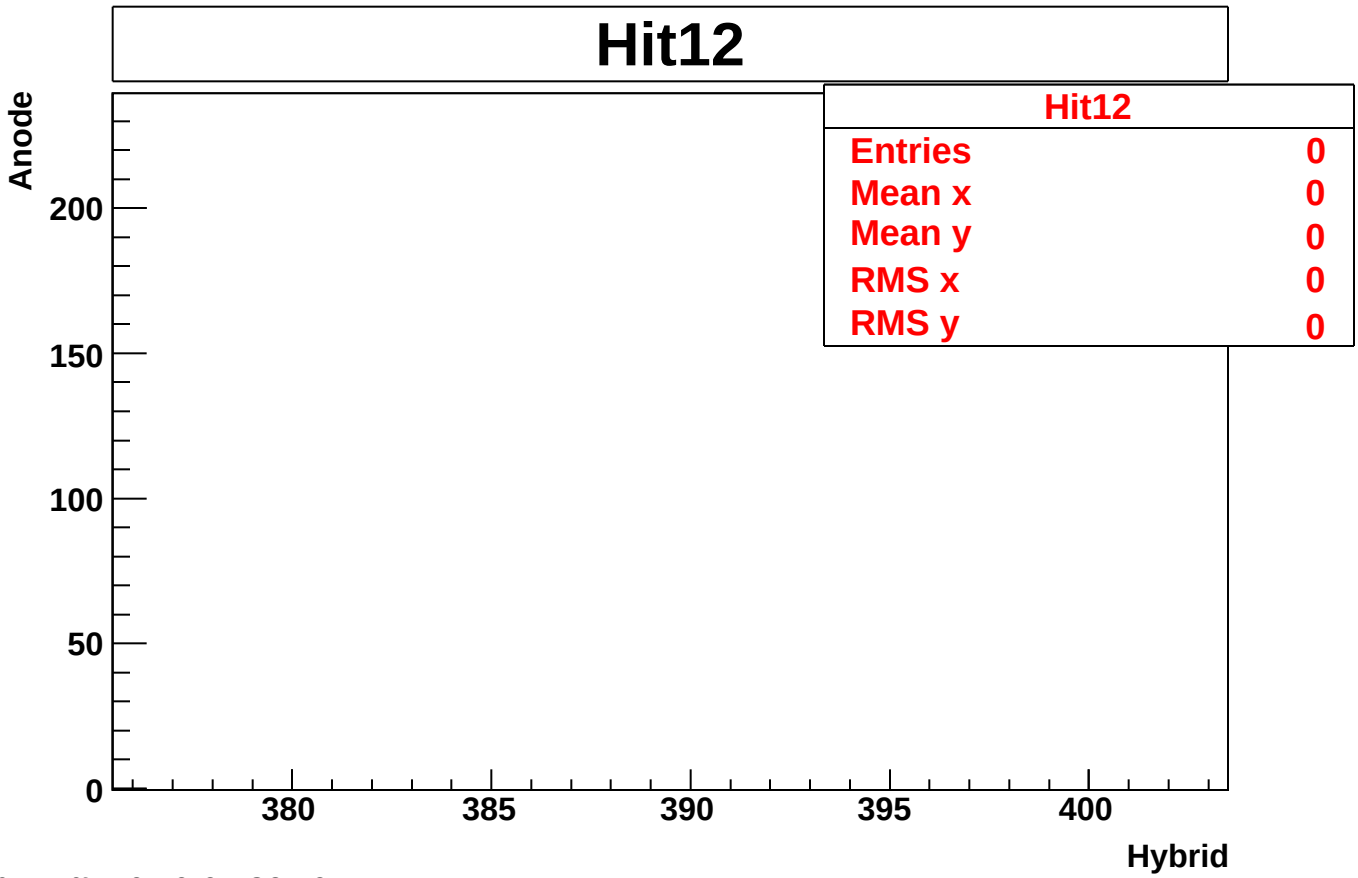

AdcSum10
AdcSum10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#10#any#svt
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

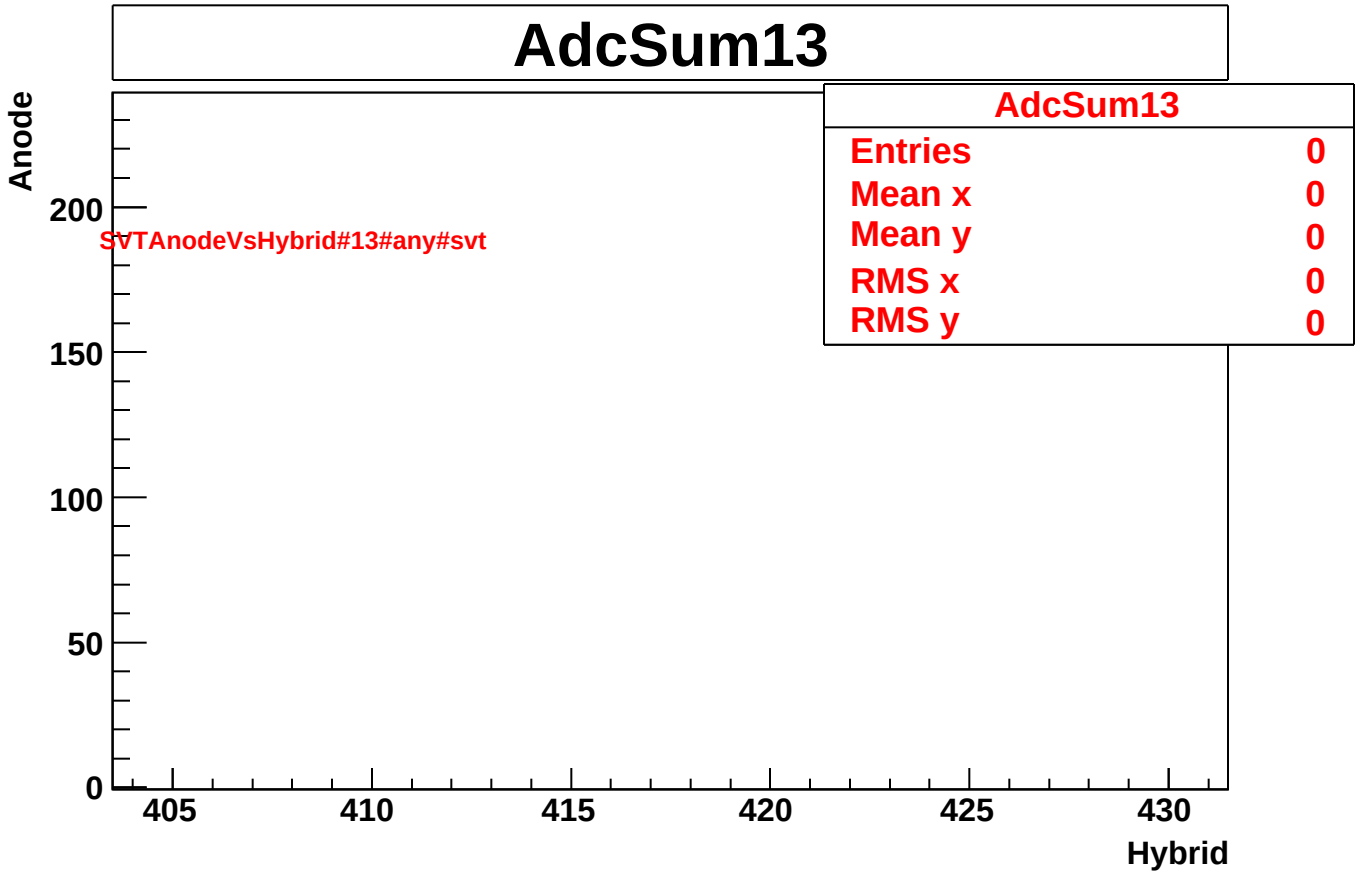

Hit10
Hit10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

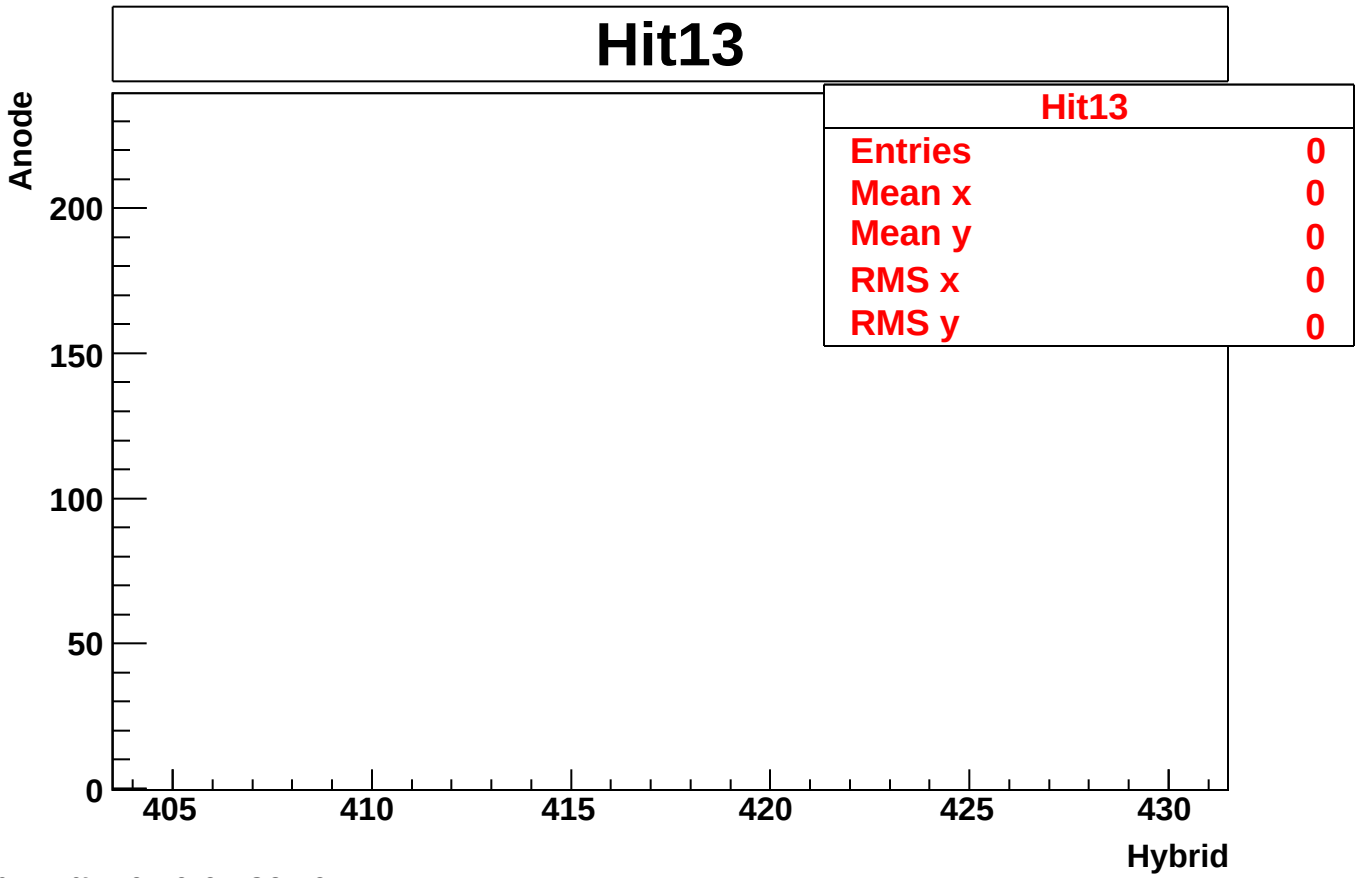

AdcSum11
AdcSum11
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#11#any#svt
Anode
0
50
100
150
200
350
355
360
365
370
375
Hybrid


Hit11
Hit11
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
350
355
360
365
370
375
Hybrid

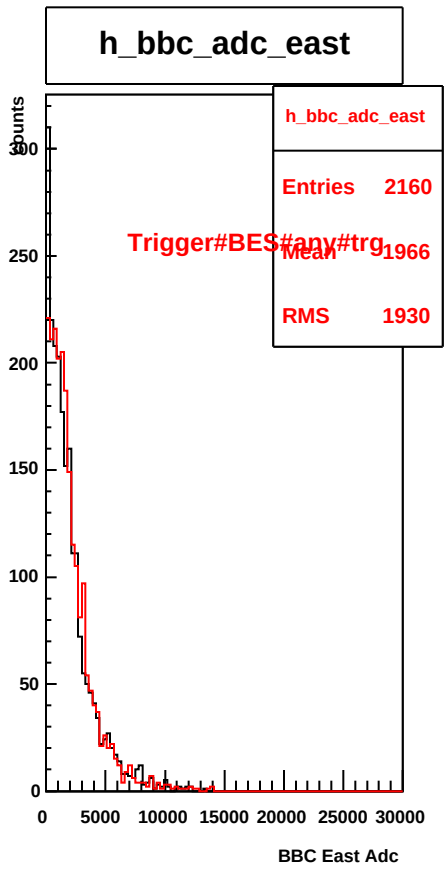

AdcSum12
AdcSum12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#12#any#svt
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

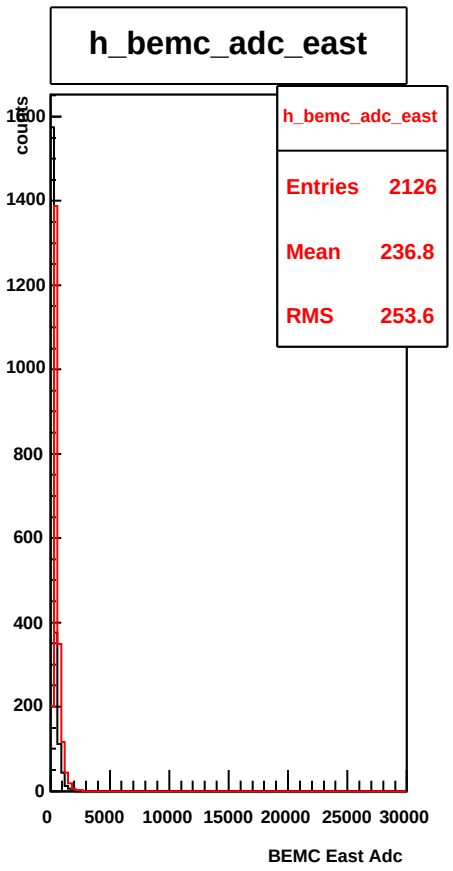

Hit12
Hit12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

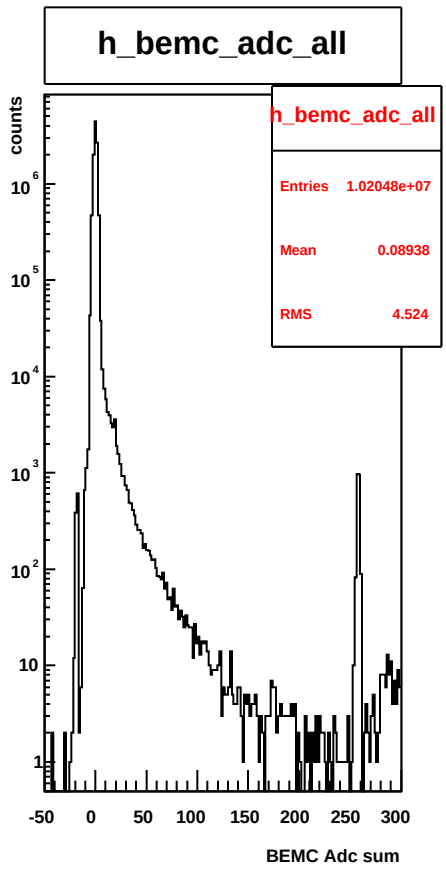

AdcSum13
AdcSum13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#13#any#svt
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

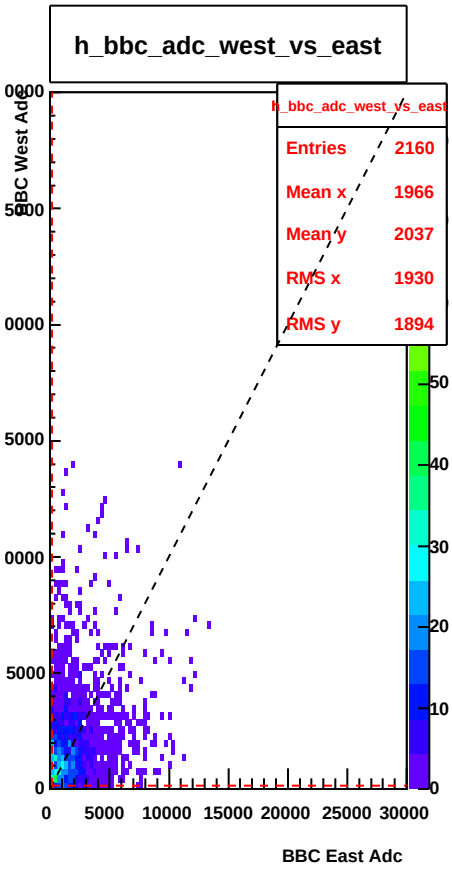

Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

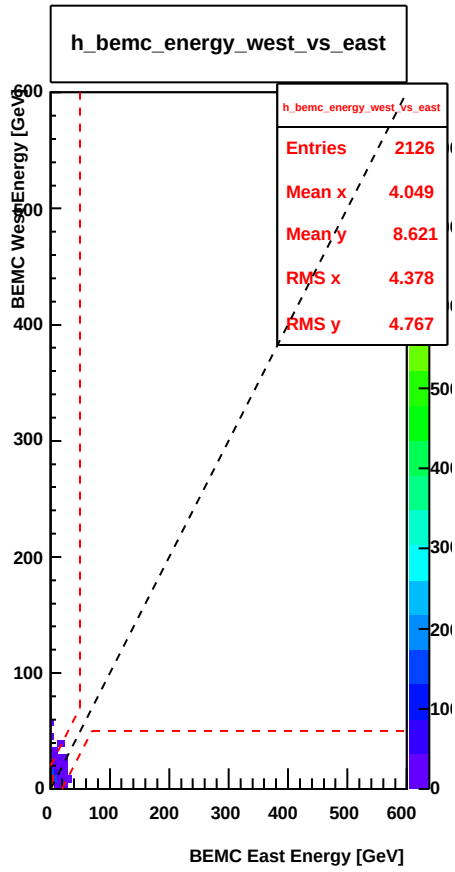
Ssd#Pedestal#pedestal#ssd

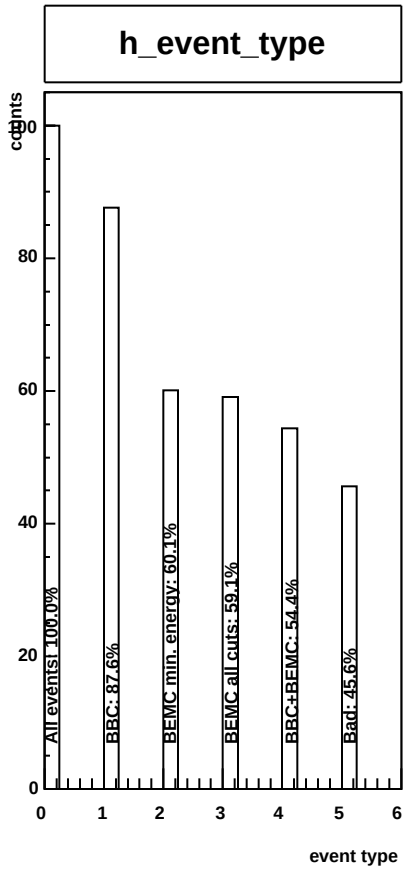

h_bbc_adc_east
h_bbc_adc_east
Entries 2160
Mean 1966
RMS 1930
Trigger#BES#any#trg
counts
BBC East Adc

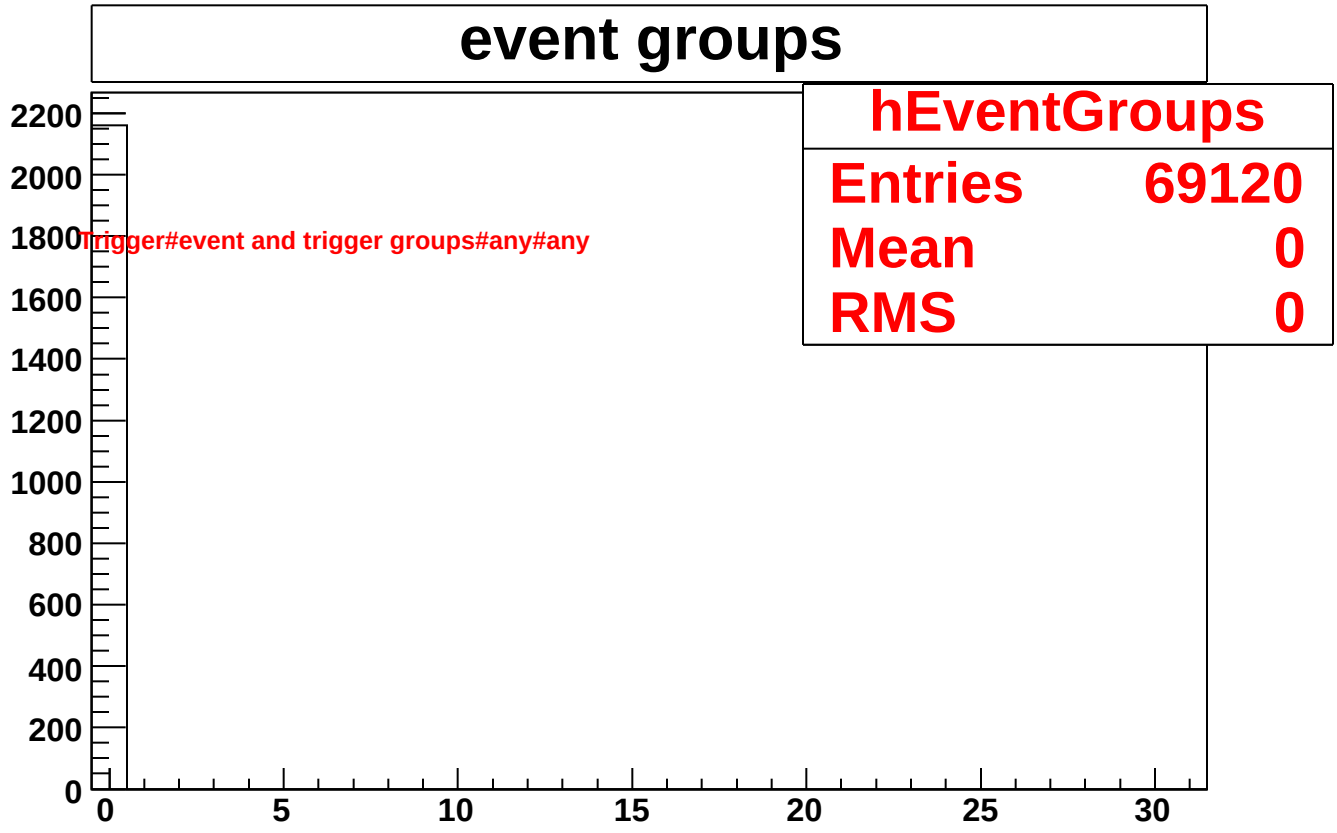

h_bemc_adc_east
h_bemc_adc_east
Entries 2126
Mean 236.8
RMS 253.6
counts
BEMC East Adc

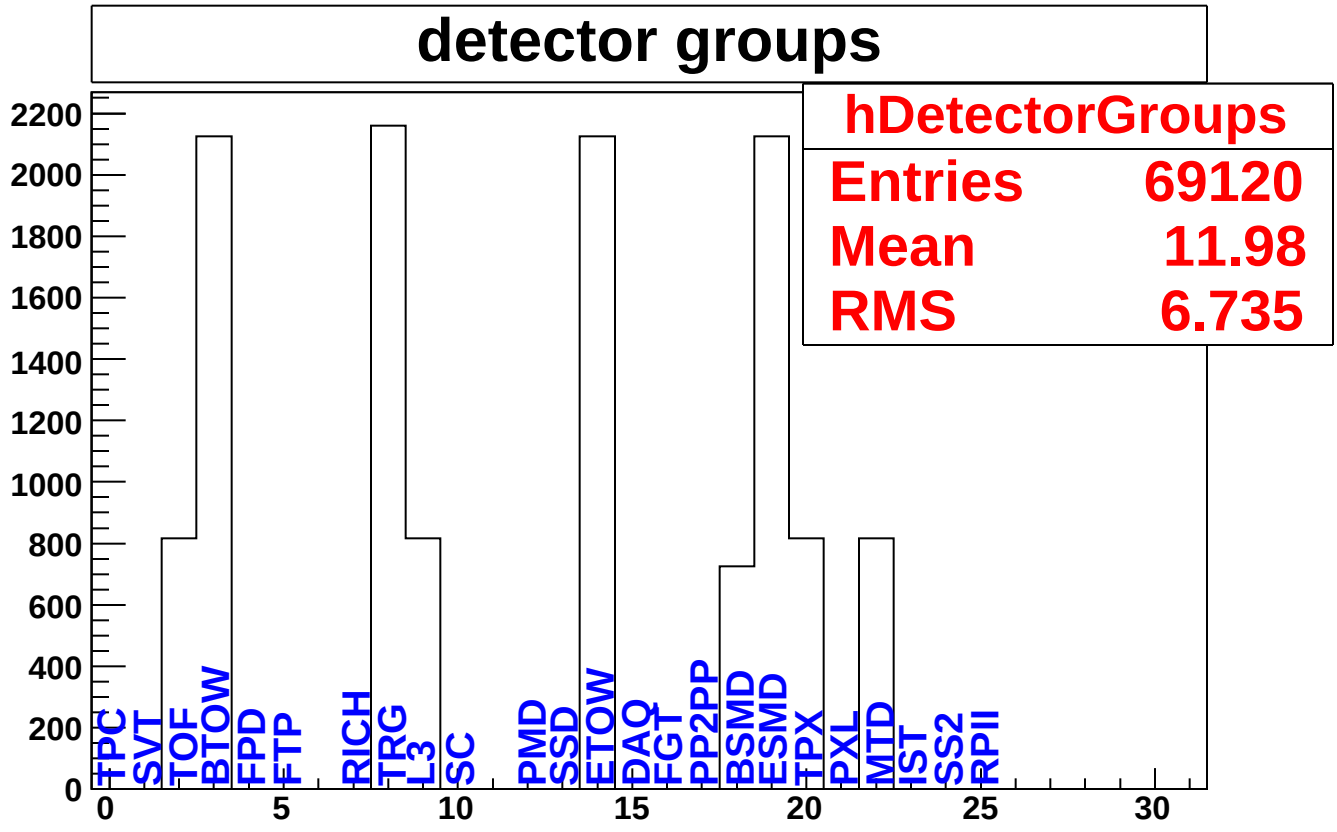

h_bemc_adc_all
h_bemc_adc_all
Entries 1.02048e+07
Mean 0.08938
RMS 4.524
counts
BEMC Adc sum

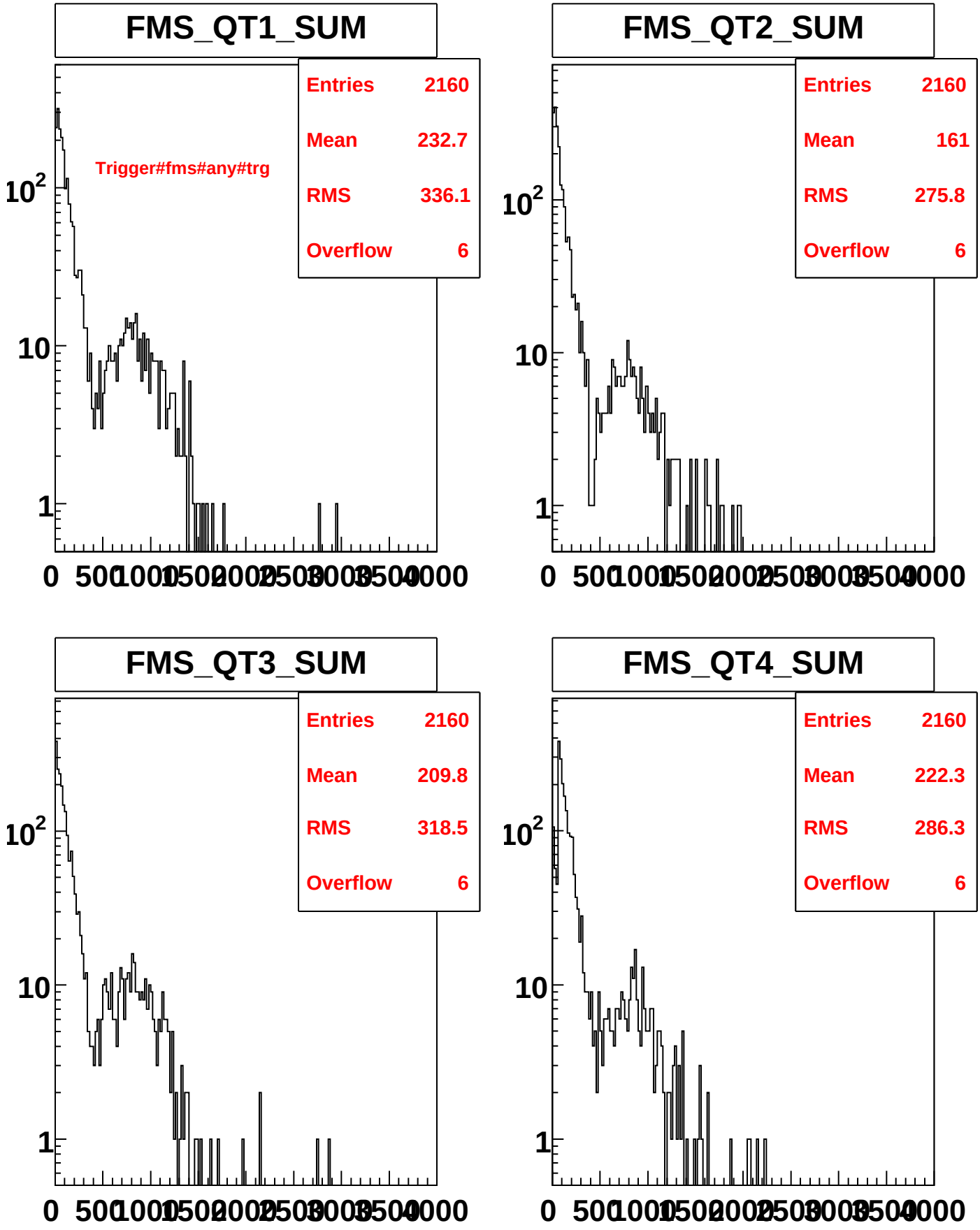

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 2160
Mean x 1966
Mean y 2037
RMS x 1930
RMS y 1894
BBC West Adc
BBC East Adc

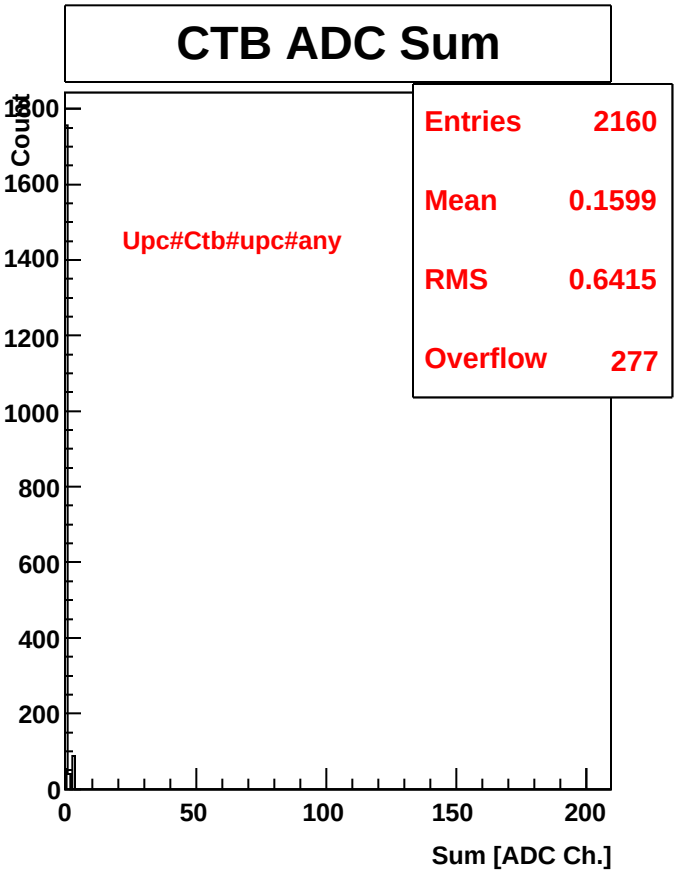

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 2126
Mean x 4.049
Mean y 8.621
RMS x 4.378
RMS y 4.767
BEMC West Energy [GeV]
BEMC East Energy [GeV]

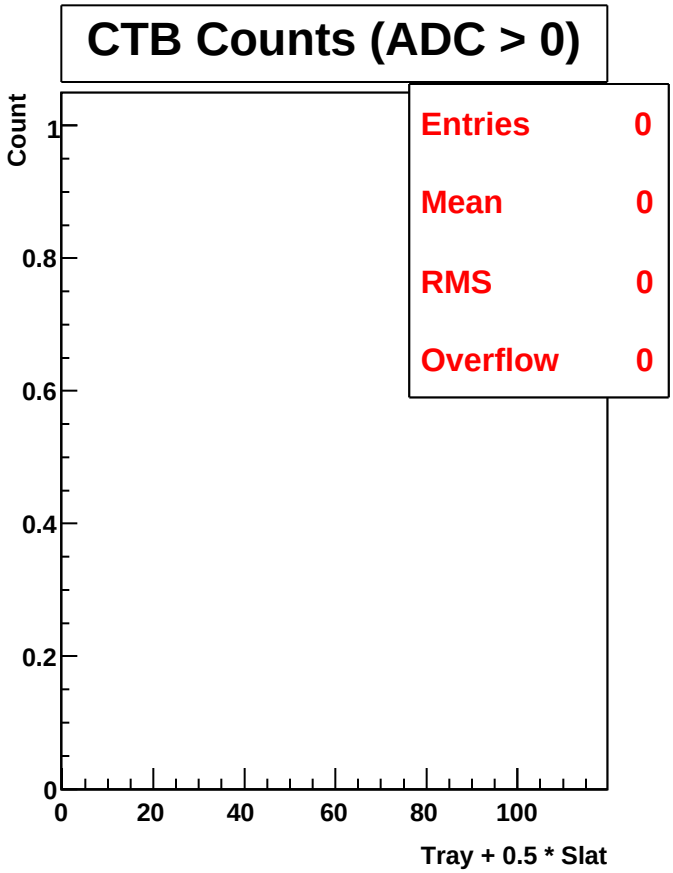

h_event_type
counts
All events: 100.0%
BBC: 87.6%
BEMC min. energy: 60.1%
BEMC all cuts: 59.1%
BBC+BEMC: 54.4%
Bad: 45.6%
event type

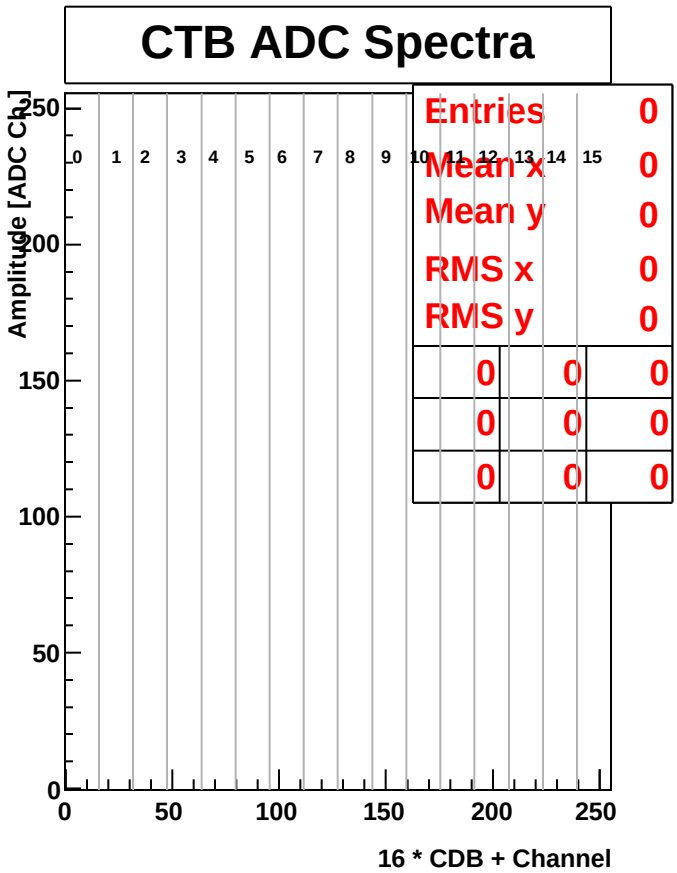

event groups
hEventGroups
Entries 69120
Mean 0
RMS 0
Trigger#event and trigger groups#any#any
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
0
5
10
15
20
25
30

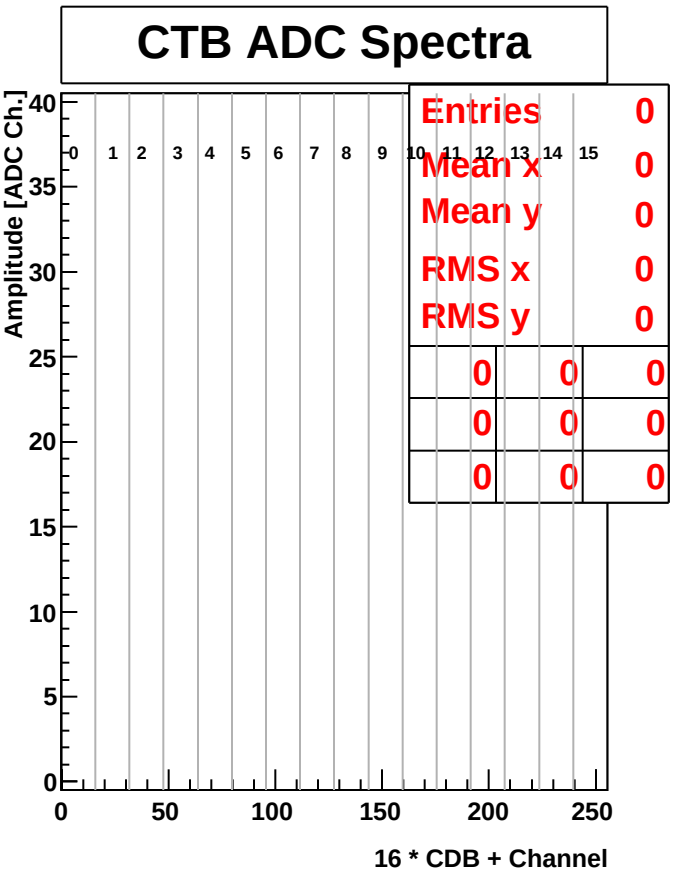

detector groups
hDetectorGroups
Entries 69120
Mean 11.98
RMS 6.735
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
5
10
15
20
25
30

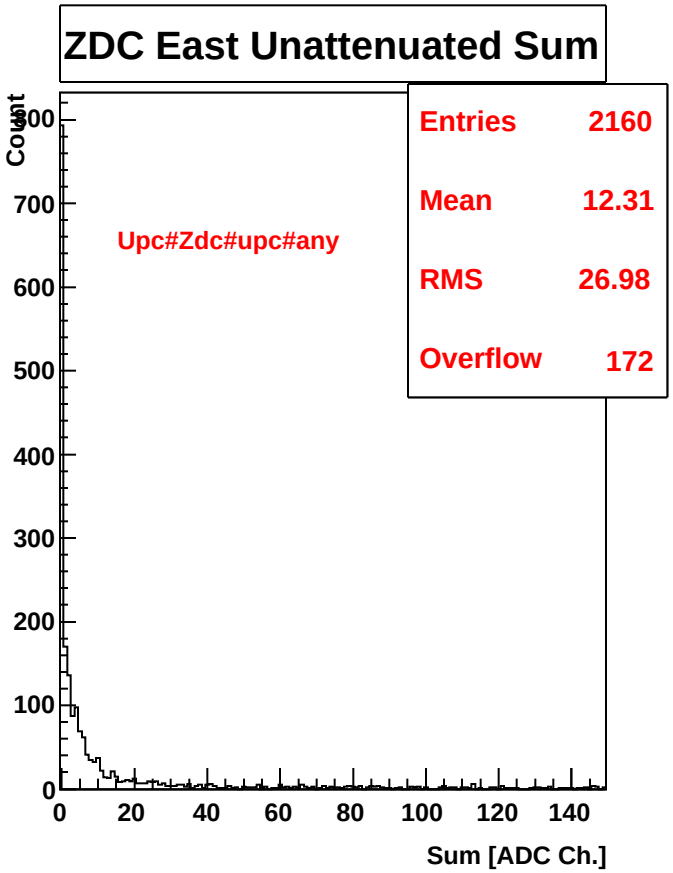

FMS_QT1_SUM
Entries 2160
Mean 232.7
RMS 336.1
Overflow 6
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 2160
Mean 161
RMS 275.8
Overflow 6
FMS_QT3_SUM
Entries 2160
Mean 209.8
RMS 318.5
Overflow 6
FMS_QT4_SUM
Entries 2160
Mean 222.3
RMS 286.3
Overflow 6

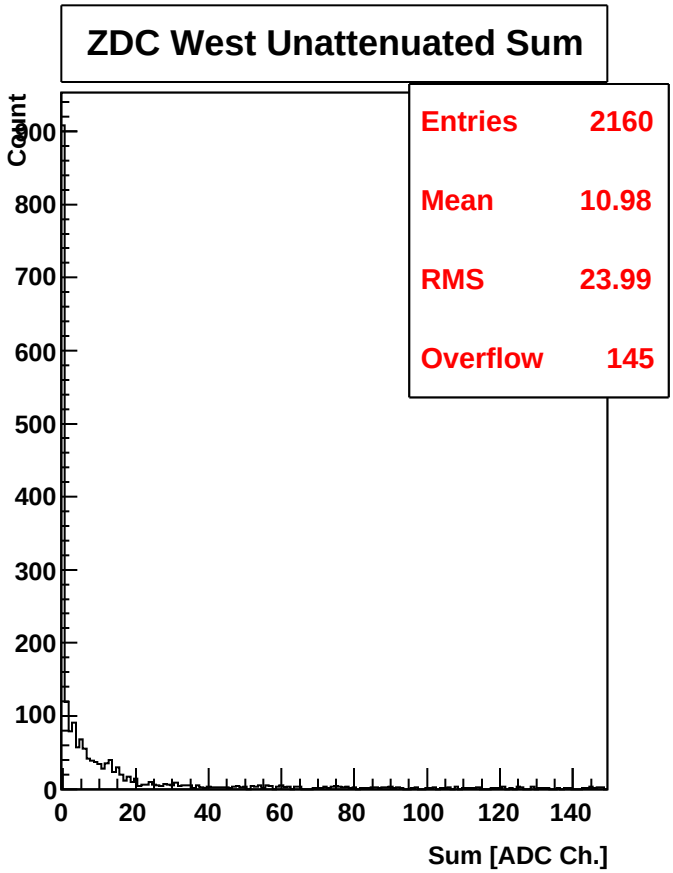

CTB ADC Sum
Entries 2160
Mean 0.1599
RMS 0.6415
Overflow 277
Upc#Ctb#upc#any
Count
Sum [ADC Ch.]

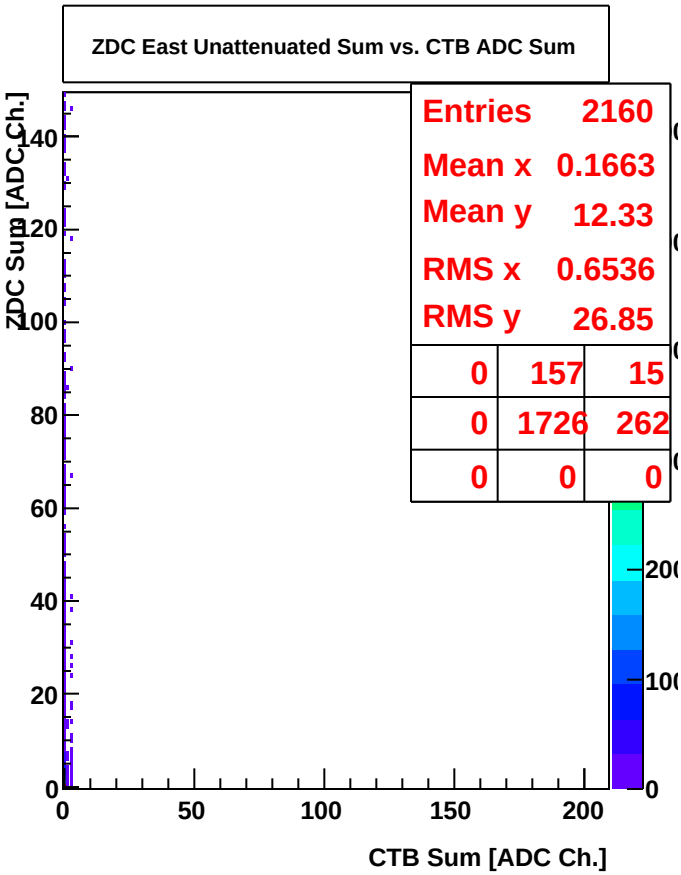

CTB Counts (ADC > 0)
Entries 0
Mean 0
RMS 0
Overflow 0
Count
Tray + 0.5 * Slat

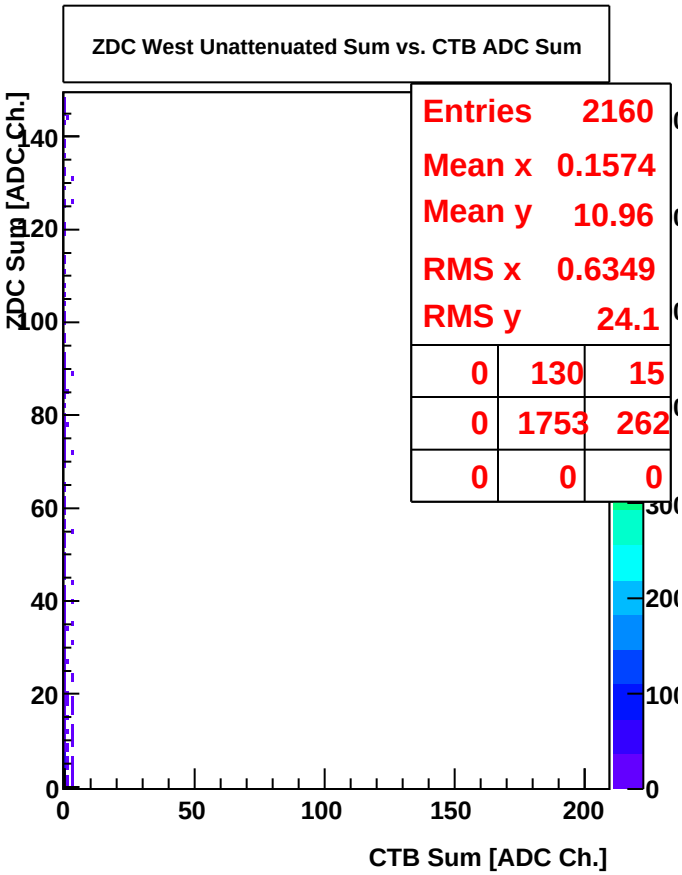

CTB ADC Spectra
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Amplitude [ADC Ch.]
16 * CDB + Channel


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


ZDC East Unattenuated Sum
Entries 2160
Mean 12.31
RMS 26.98
Overflow 172
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 2160
Mean 10.98
RMS 23.99
Overflow 145
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 2160
Mean x 0.1663
Mean y 12.33
RMS x 0.6536
RMS y 26.85
0 157 15
0 1726 262
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 2160
Mean x 0.1574
Mean y 10.96
RMS x 0.6349
RMS y 24.1
0 130 15
0 1753 262
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]