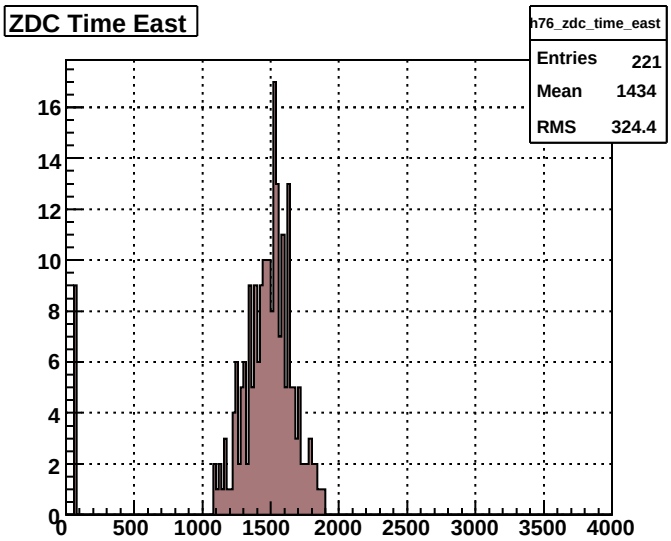
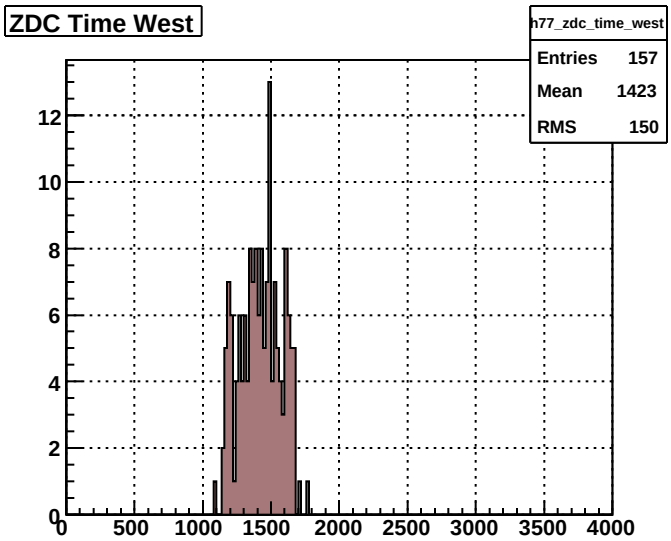
Run: #12101010

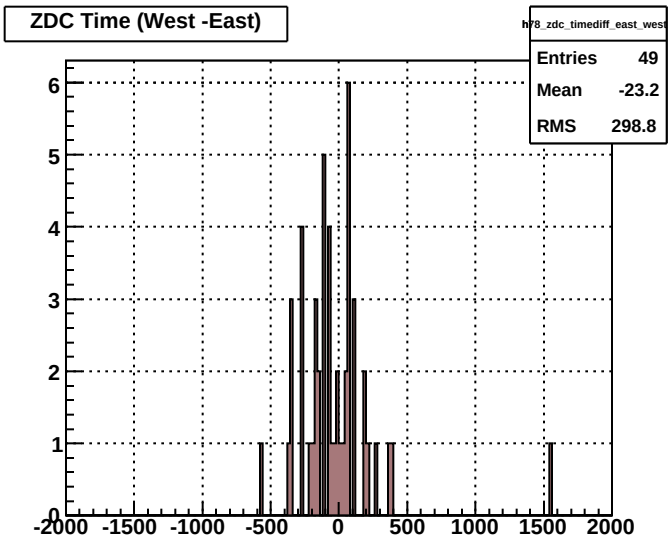
TriggerBits: 11111111 11111111 11111111 11111111

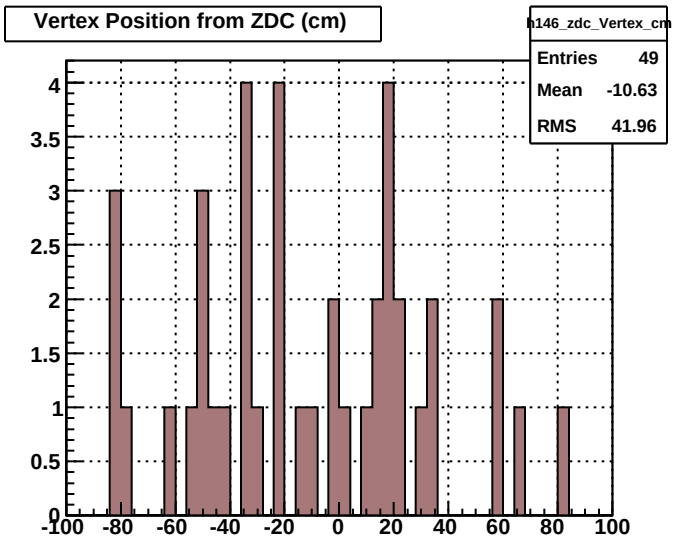
DetectorBits: 00000000 00001000 01000001 00001000

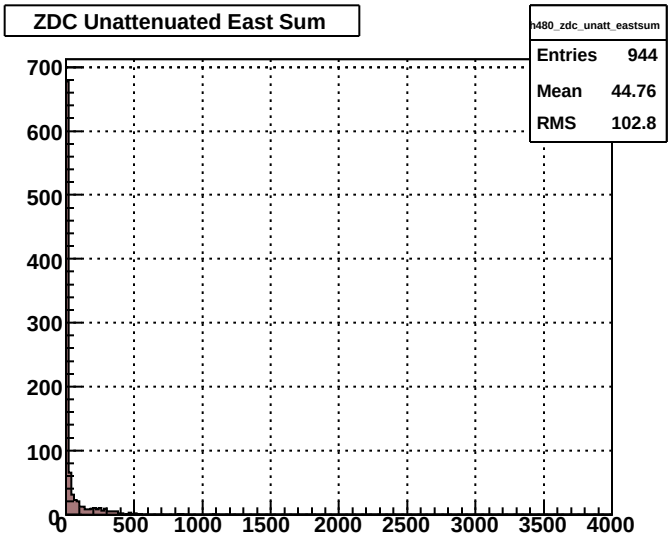
Mon Apr 11 04:01:20 2011

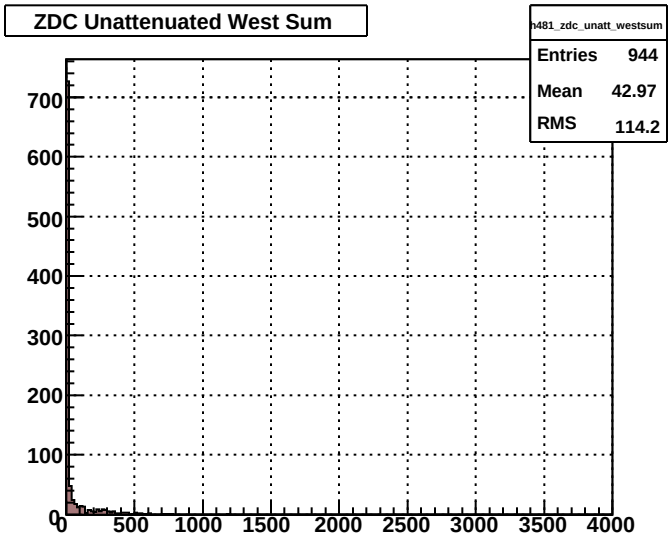

ZDC Time East
h76_zdc_time_east
Entries 221
Mean 1434
RMS 324.4

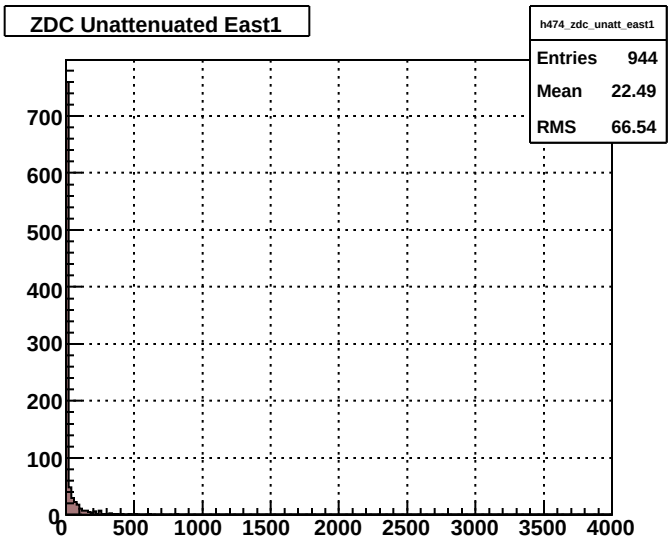

ZDC Time West
h77_zdc_time_west
Entries 157
Mean 1423
RMS 150

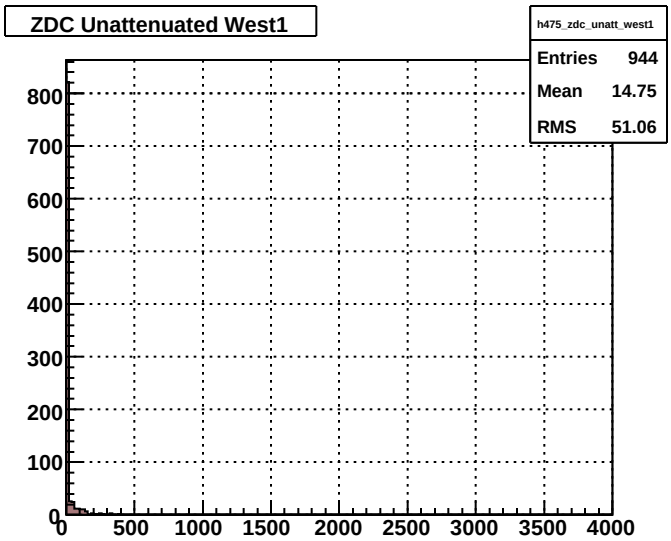

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 49
Mean -23.2
RMS 298.8

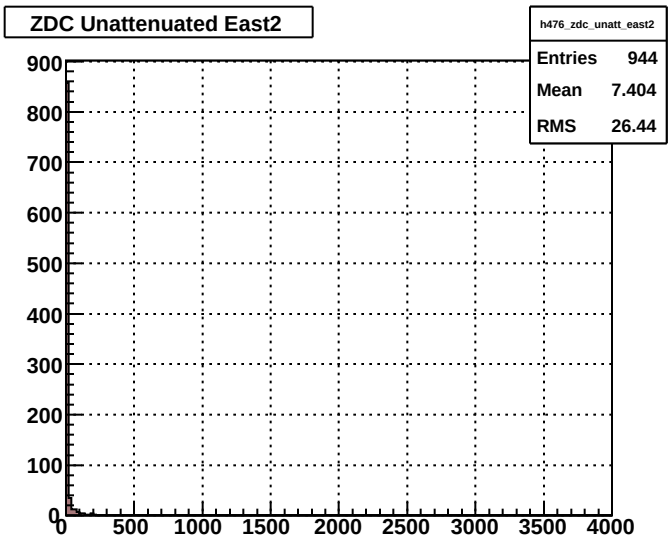

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 49
Mean -10.63
RMS 41.96

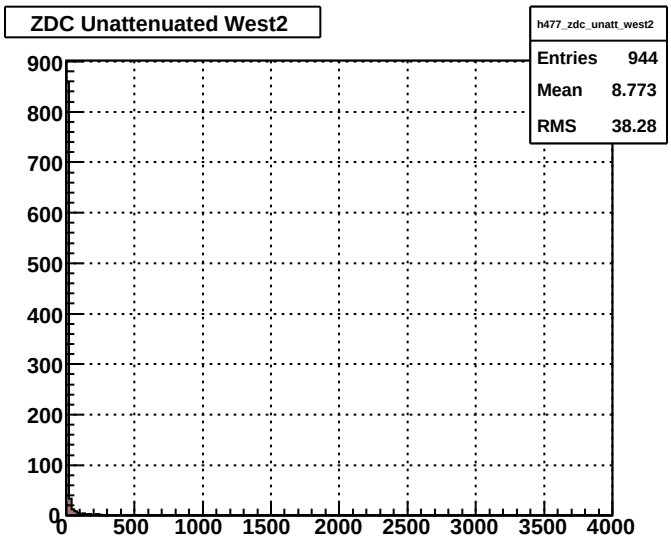

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 944
Mean 44.76
RMS 102.8

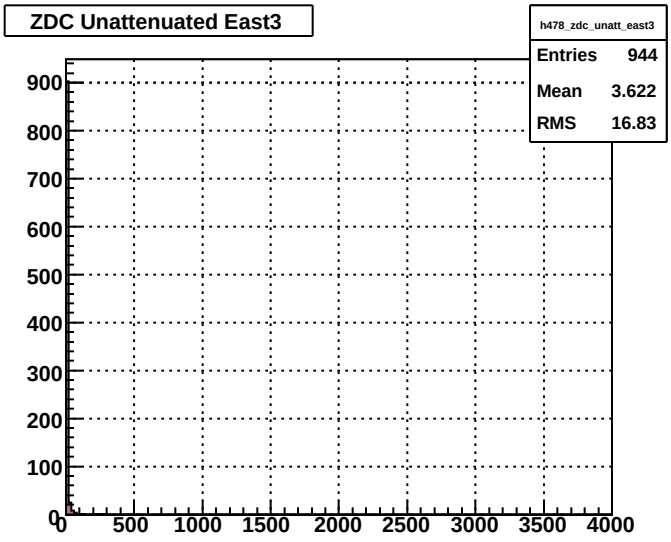

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 944
Mean 42.97
RMS 114.2

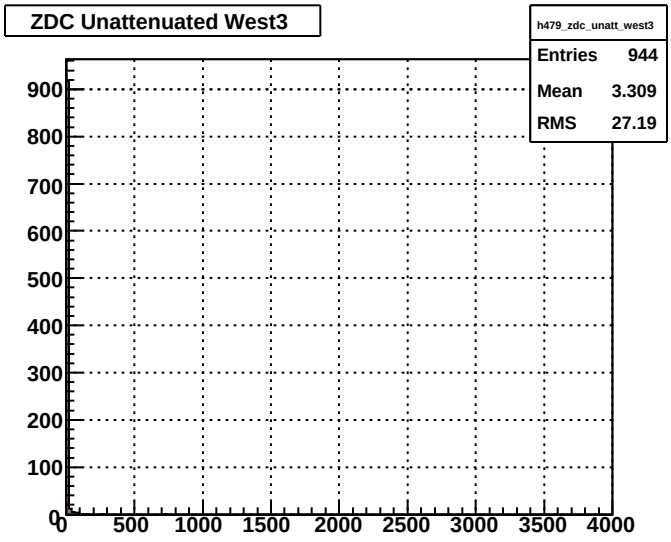

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 944
Mean 22.49
RMS 66.54

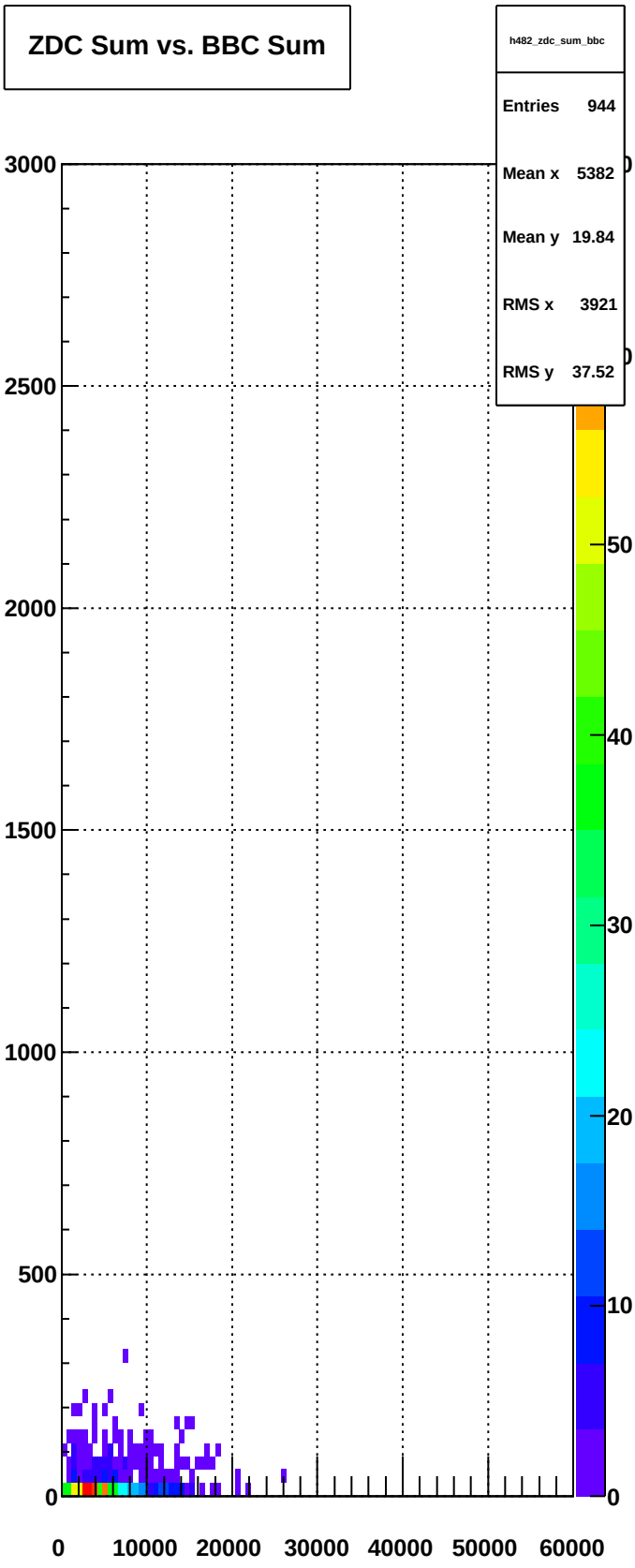

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 944
Mean 14.75
RMS 51.06

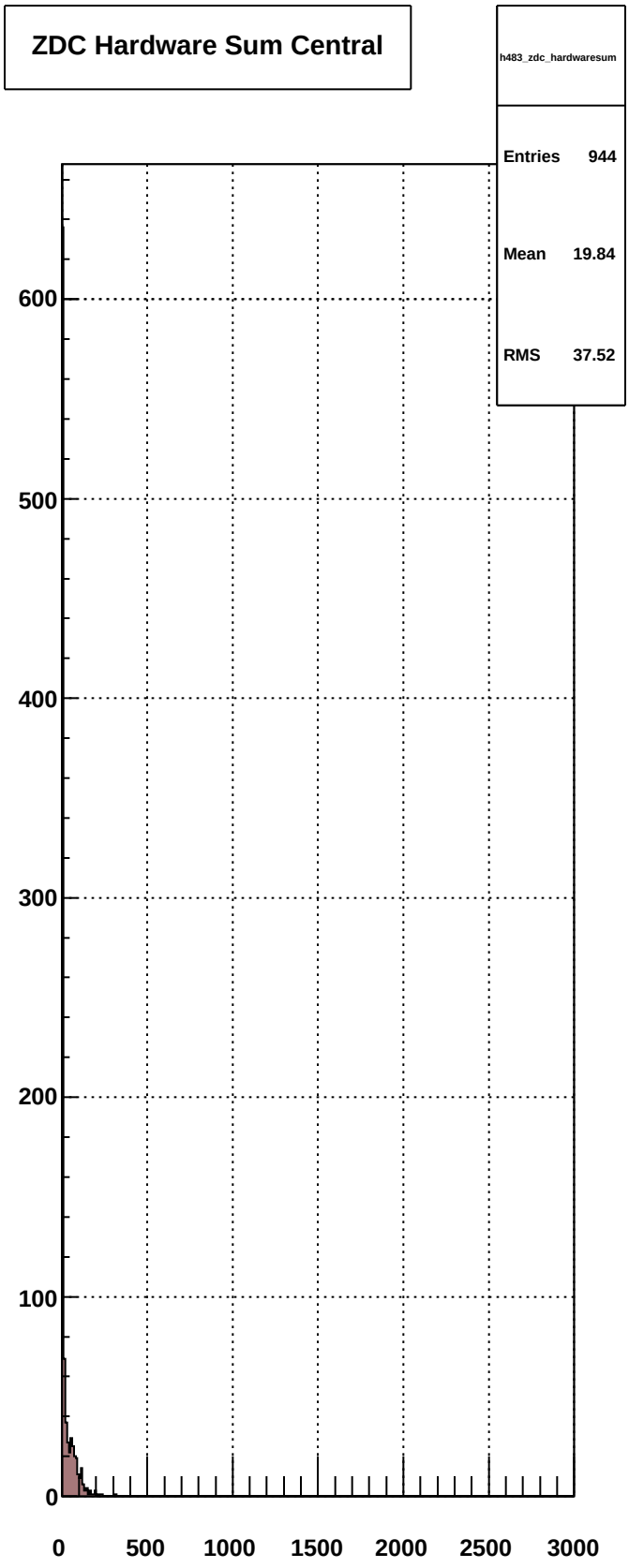

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 944
Mean 7.404
RMS 26.44

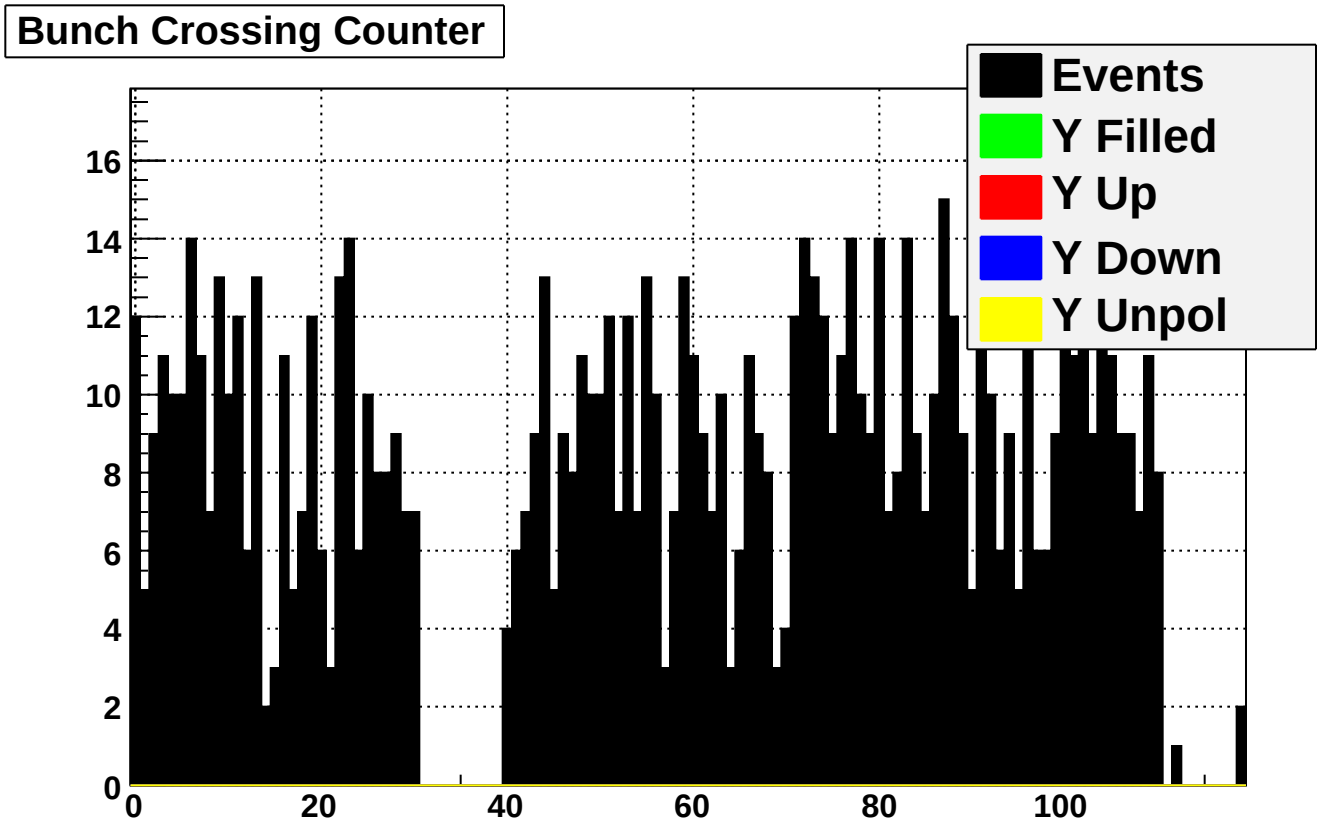

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 944
Mean 8.773
RMS 38.28

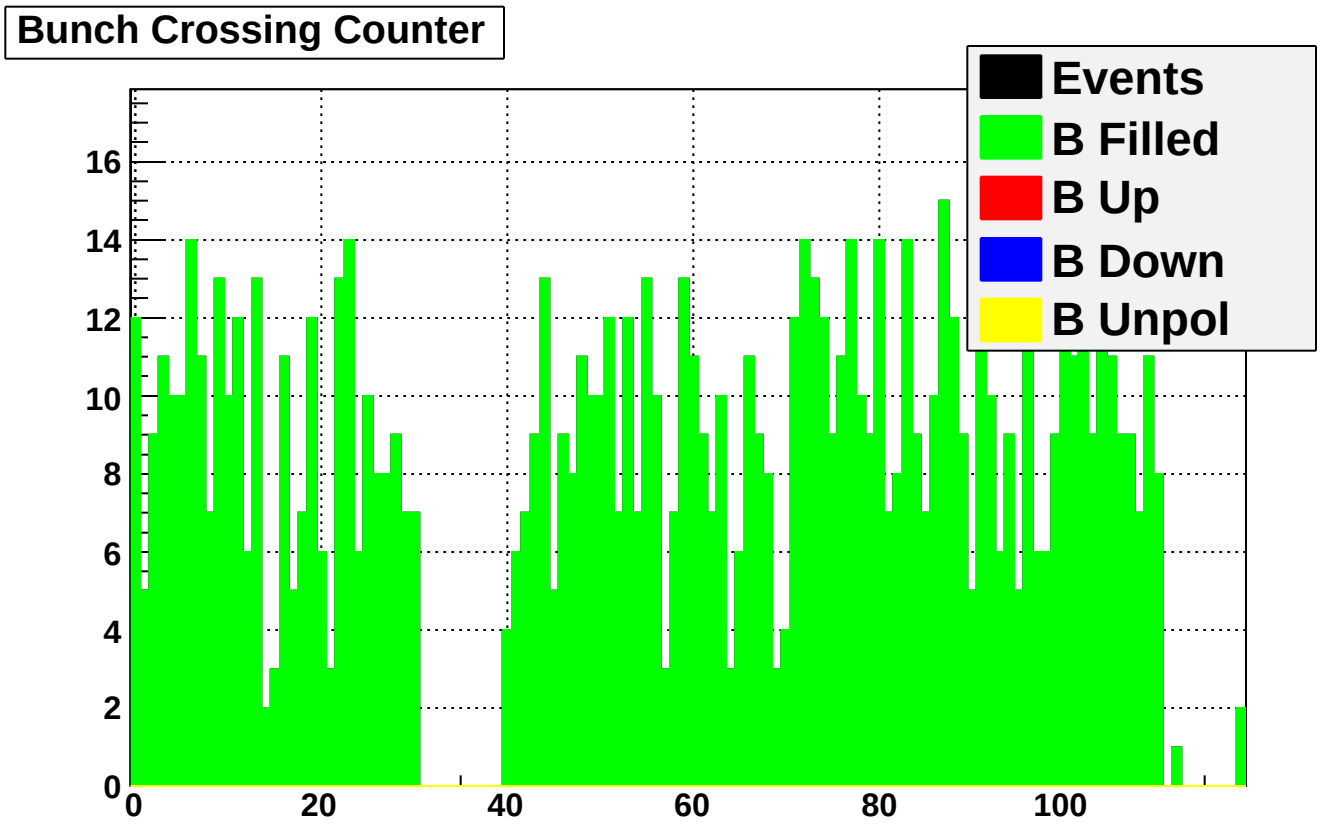

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 944
Mean 3.622
RMS 16.83

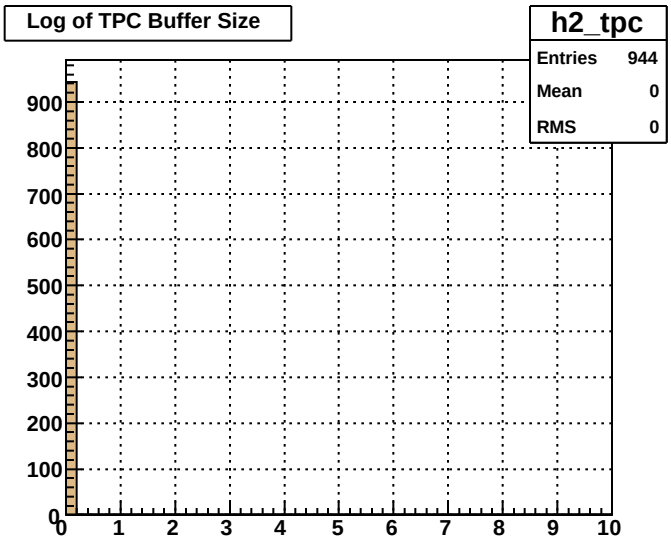

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 944
Mean 3.309
RMS 27.19

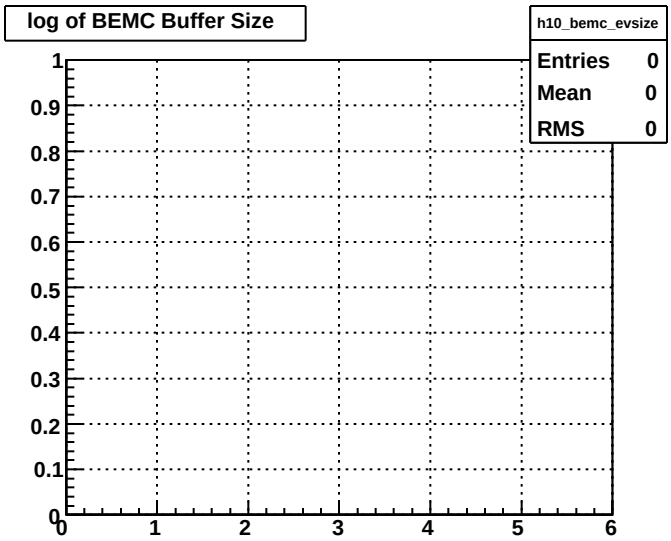

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 944
Mean x 5382
Mean y 19.84
RMS x 3921
RMS y 37.52
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
50
40
30
20
10
0

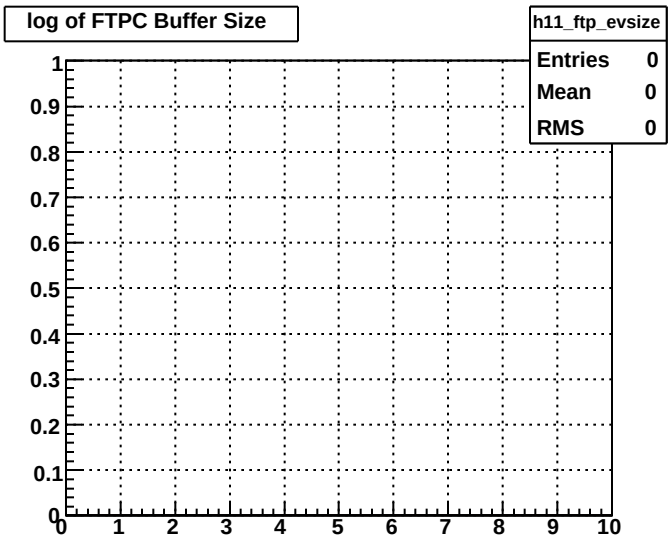

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 944
Mean 19.84
RMS 37.52
600
500
400
300
200
100
0
0
500
1000
1500
2000
2500
3000

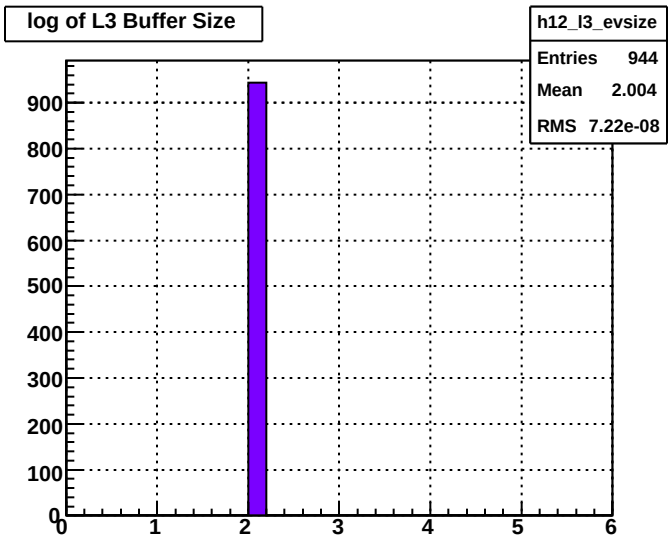

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
2
4
6
8
10
12
14
16
0
20
40
60
80
100

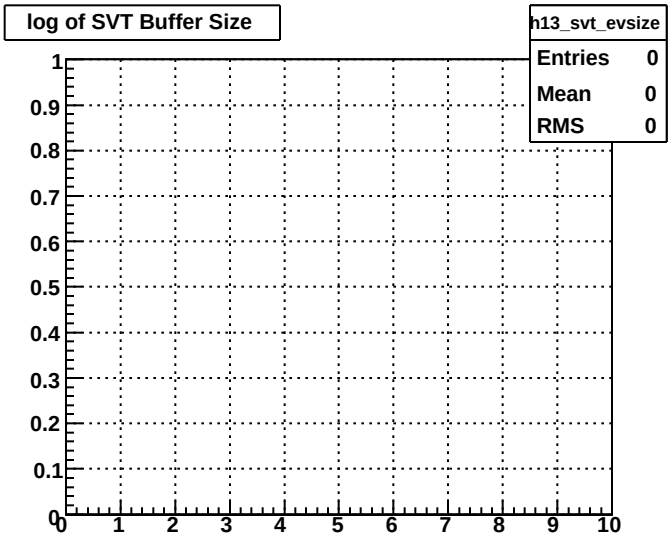

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
2
4
6
8
10
12
14
16
0
20
40
60
80
100

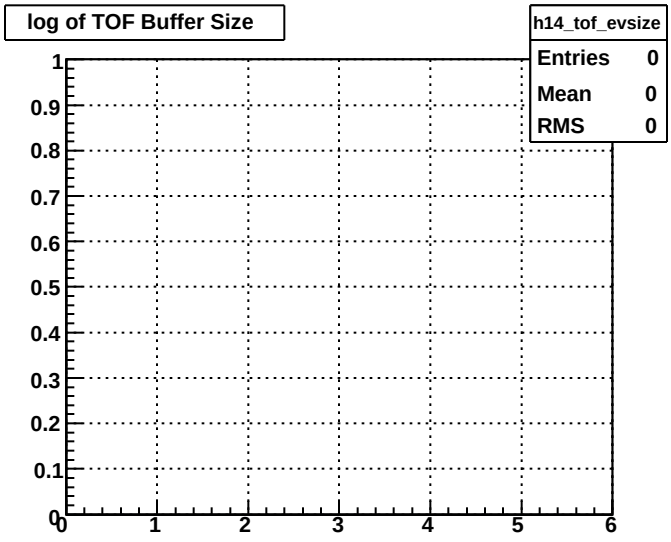

Log of TPC Buffer Size
h2_tpc
Entries 944
Mean 0
RMS 0

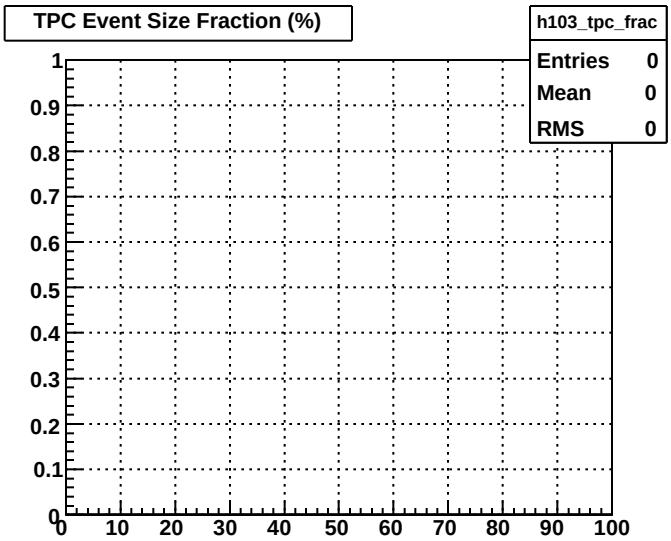

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

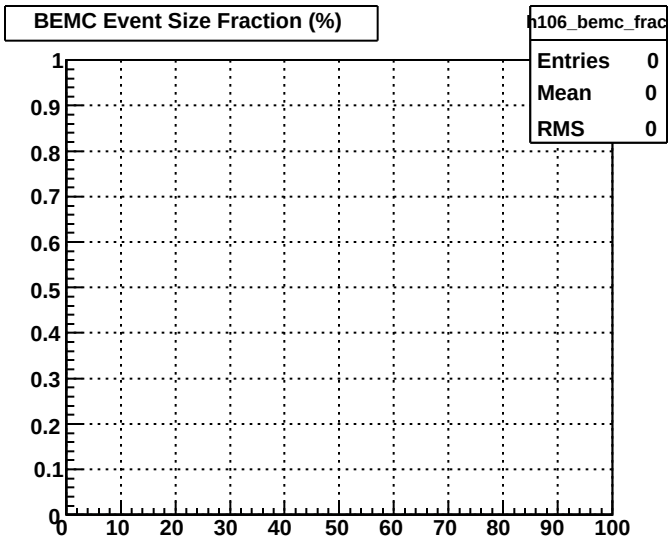

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

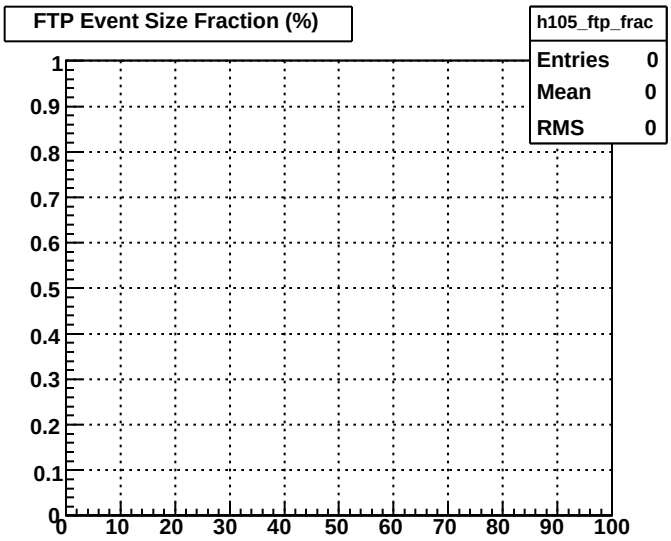

log of L3 Buffer Size
h12_l3_evsize
Entries 944
Mean 2.004
RMS 7.22e-08

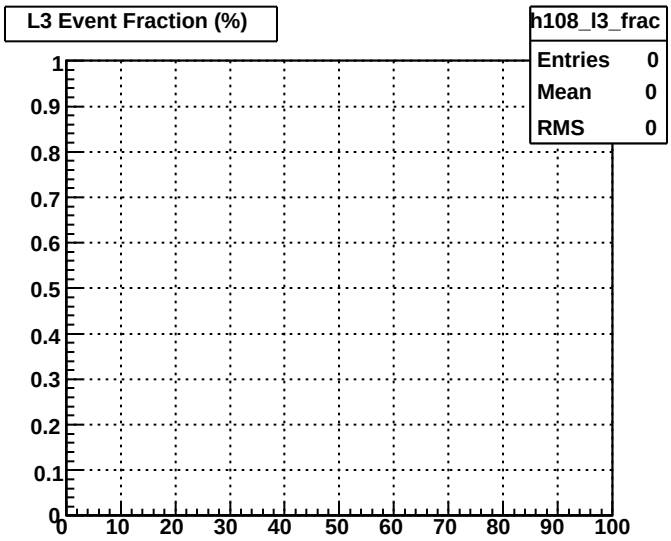

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

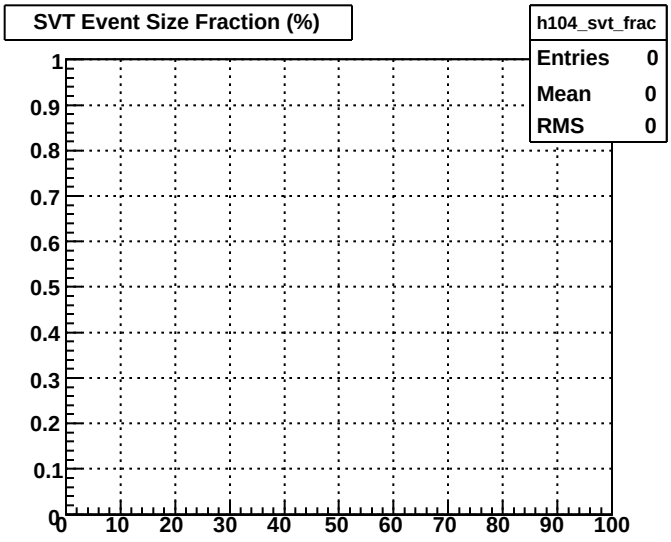

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

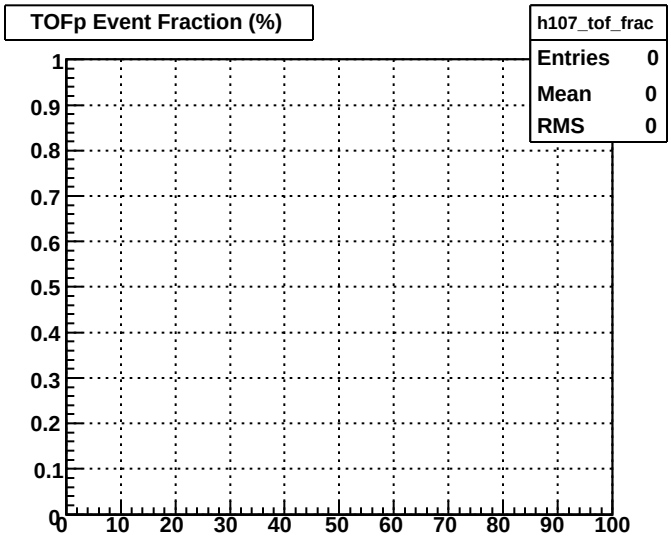

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

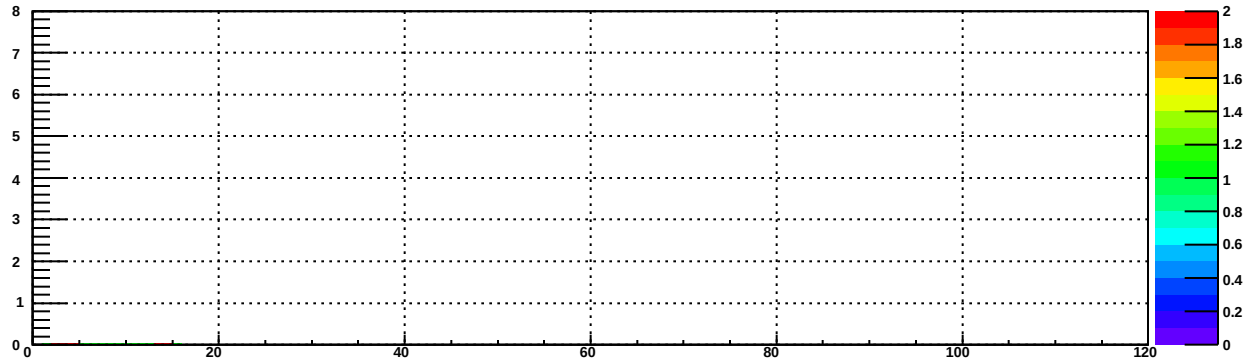

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

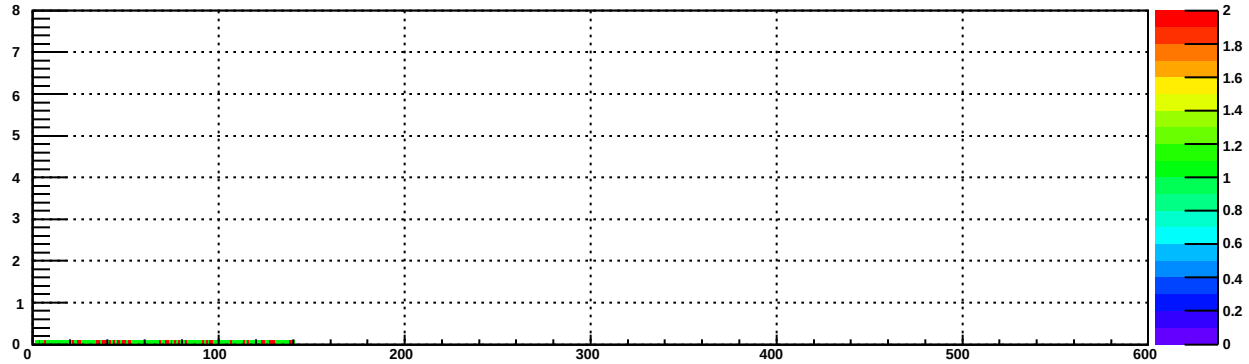

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

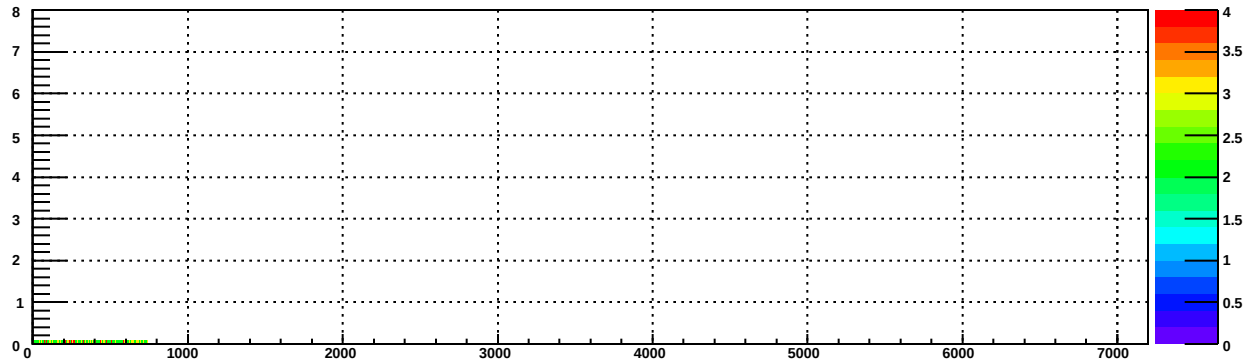
Event Size (Log10) vs time (sec)



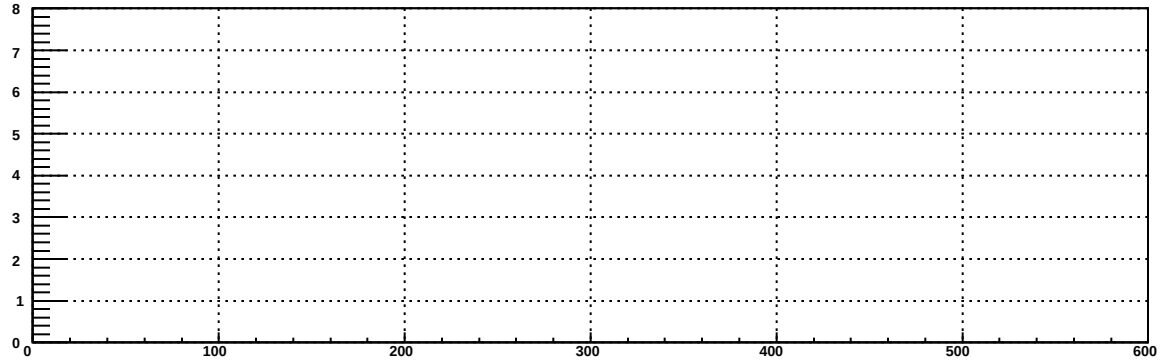
Event Size (Log10) vs time (sec)

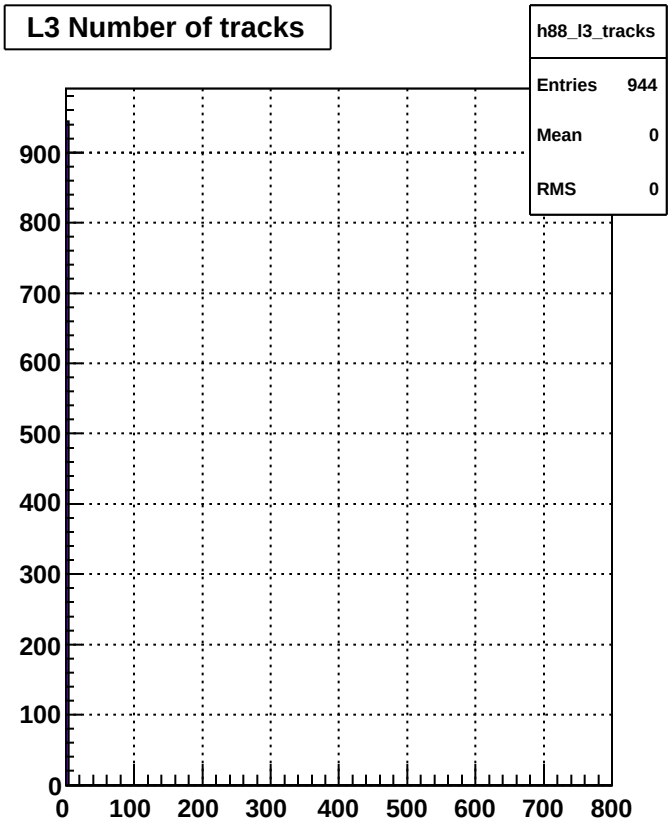


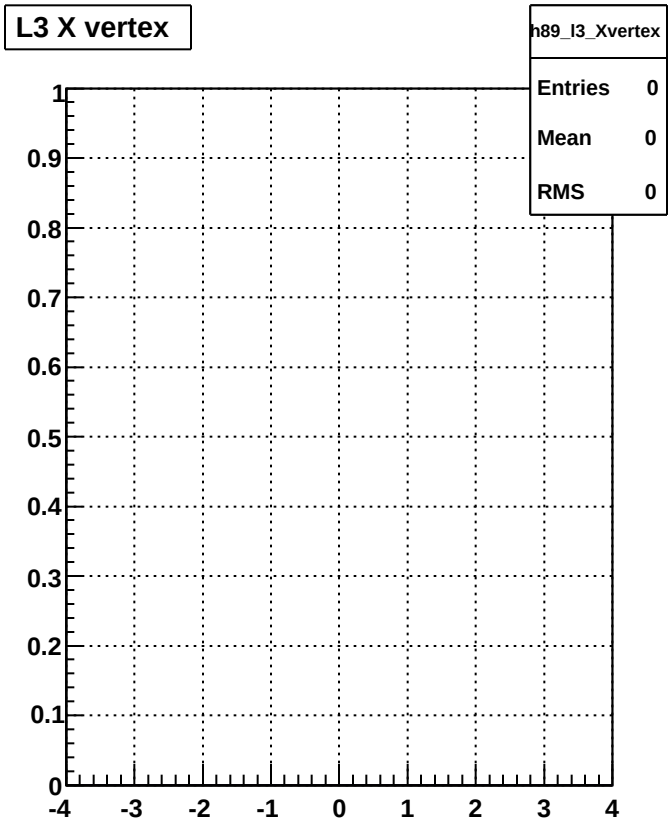
Event Size (Log10) vs time(sec)

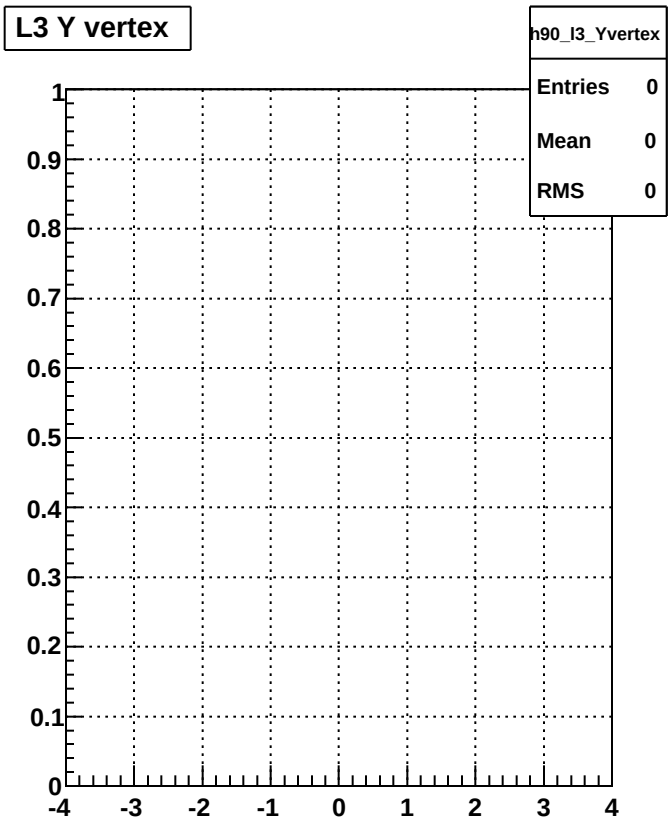


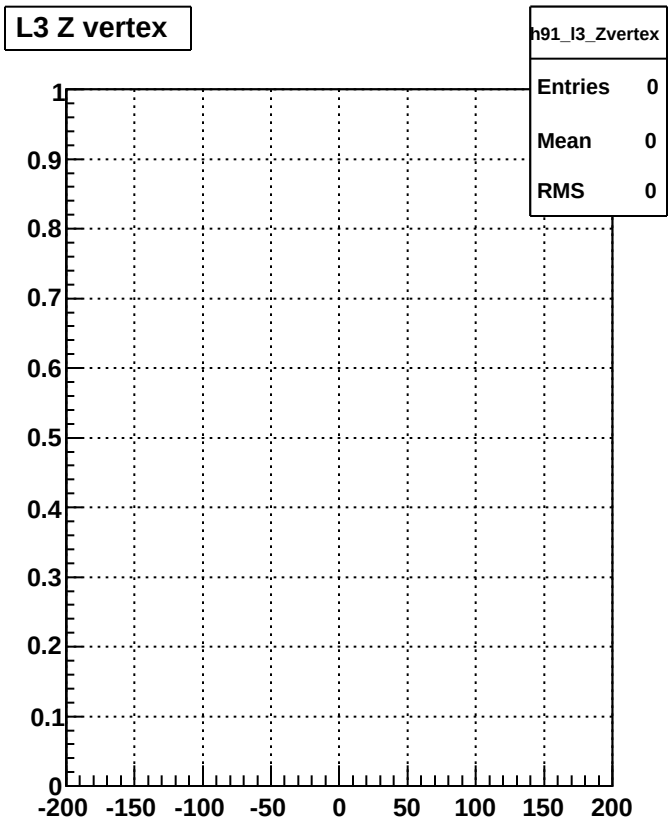
FTPC Event Size vs time(sec)



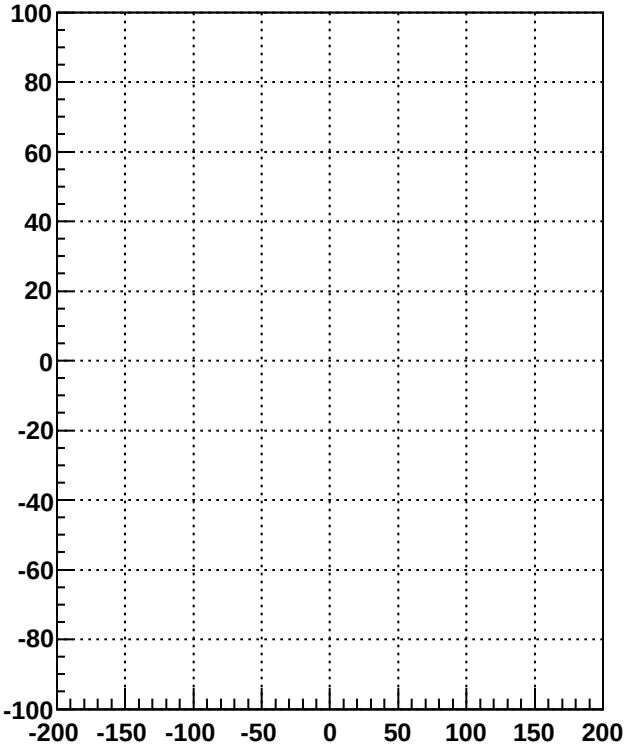

L3 Number of tracks
h88_l3_tracks
Entries 944
Mean 0
RMS 0
900
800
700
600
500
400
300
200
100
0
0 100 200 300 400 500 600 700 800


L3 X vertex
h89_l3_Xvertex
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 -3 -2 -1 0 1 2 3 4

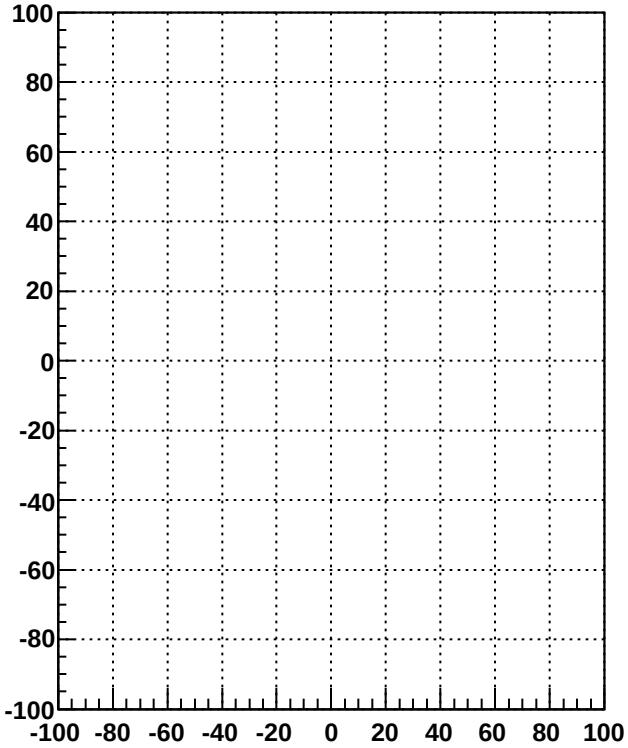

L3 Y vertex
h90_l3_Yvertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-4 -3 -2 -1 0 1 2 3 4


L3 Z vertex
h91_l3_Zvertex
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
-200 -150 -100 -50 0 50 100 150 200

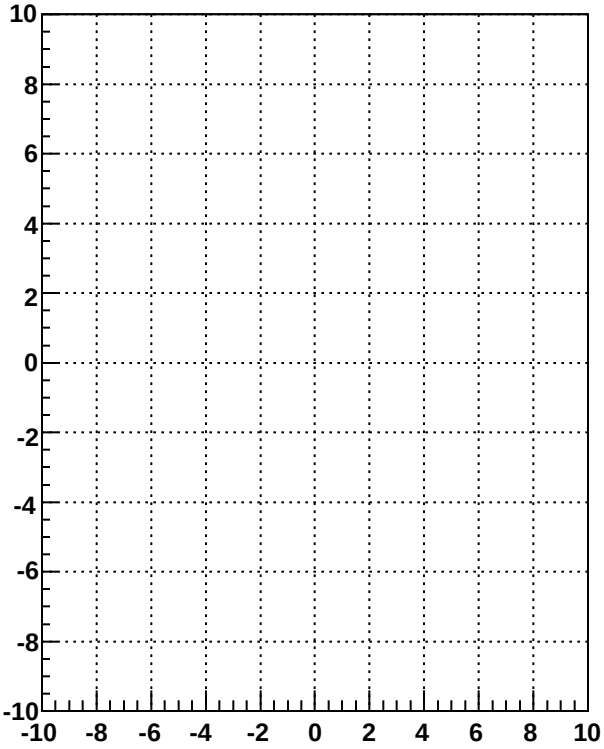
ZDC Vertex vs L3 Vertex



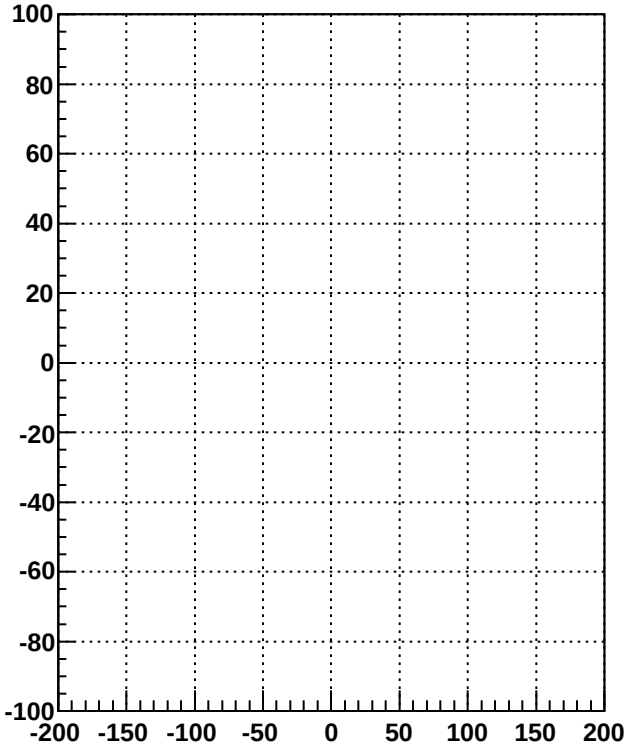
BBC Vertex vs L3 Vertex

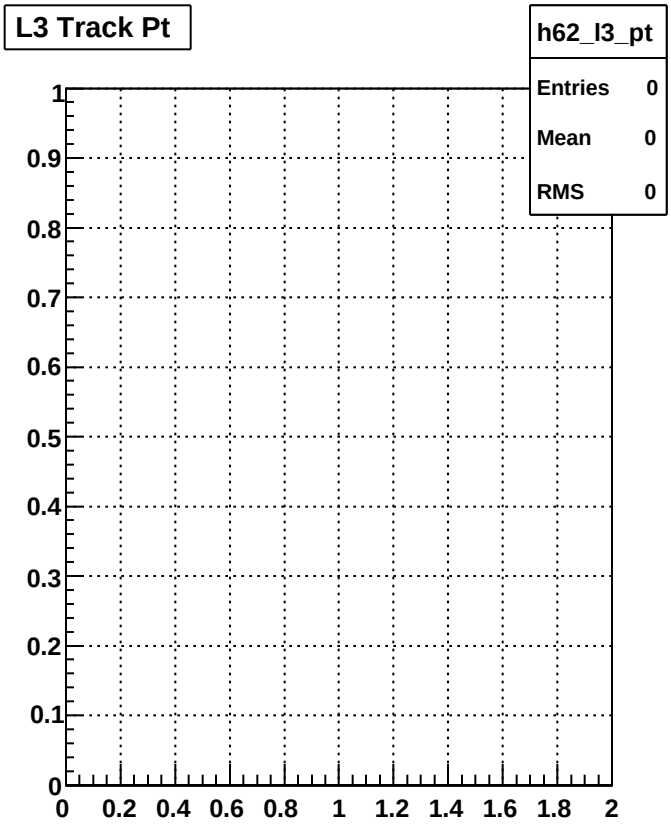


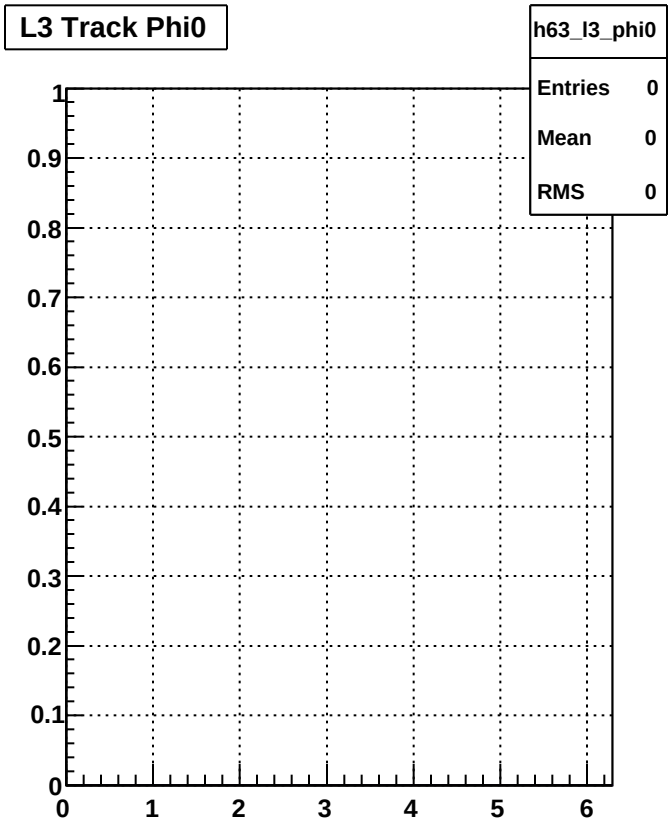
L3 Vertex Y vs X

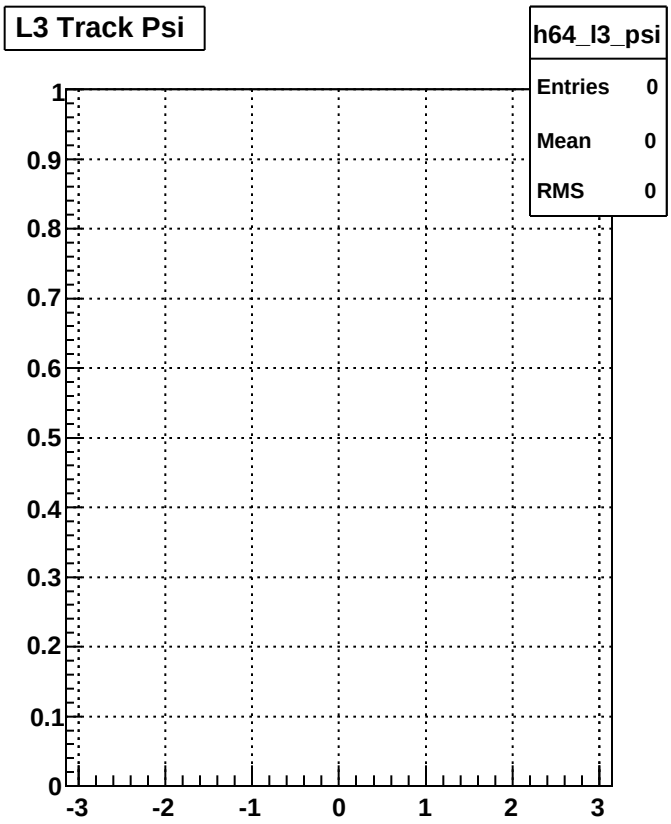


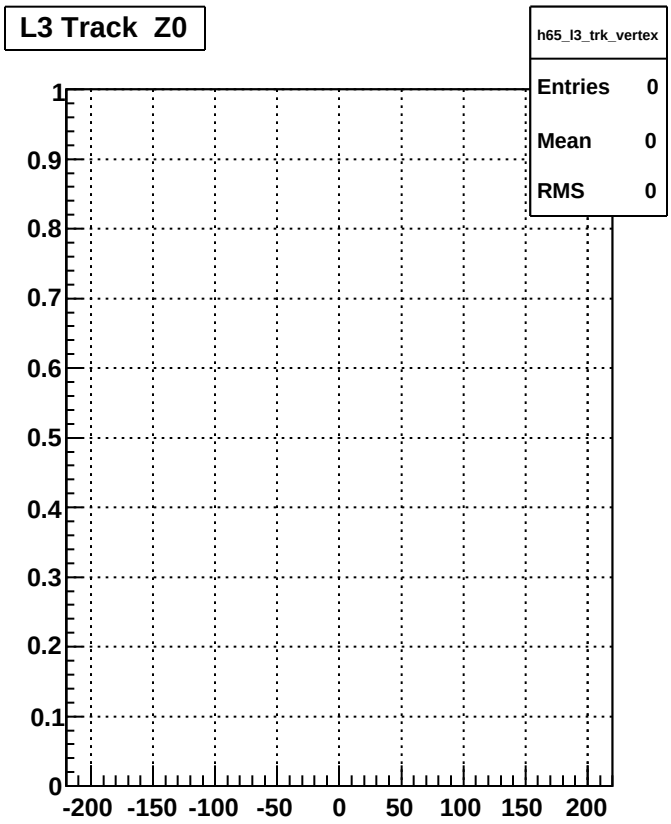
L3 Vertex-Z vs ZDC Timing difference

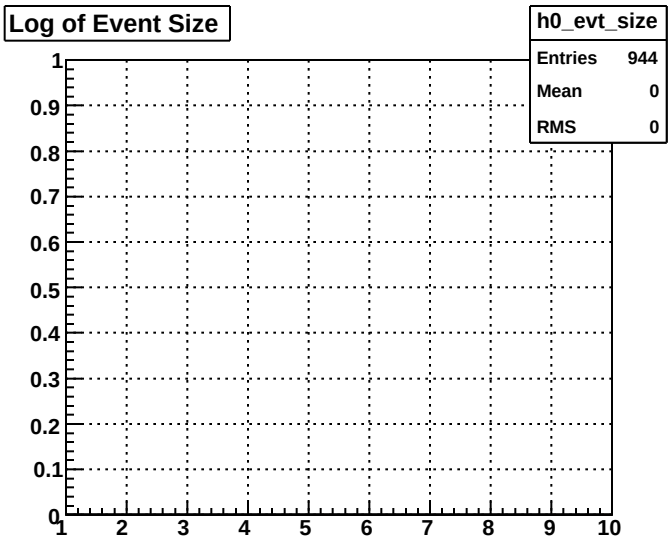


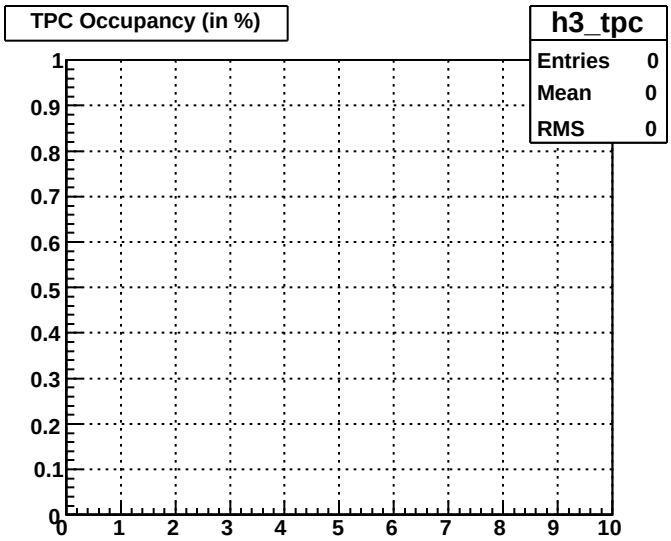

L3 Track Pt
h62_l3_pt
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

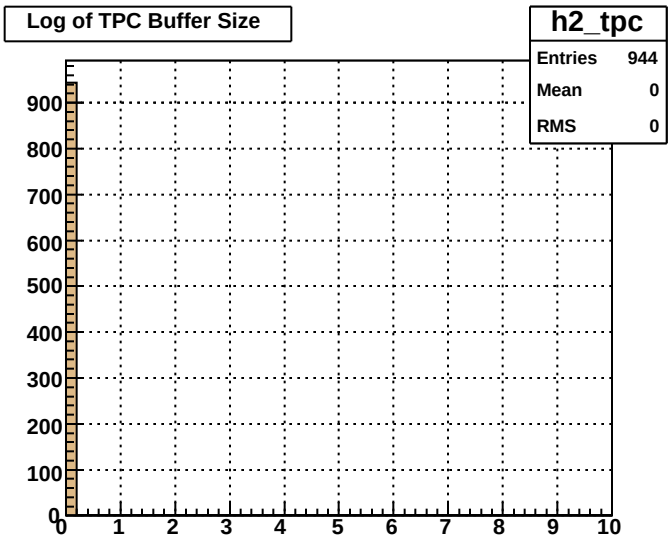

L3 Track Phi0
h63_l3_phi0
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6

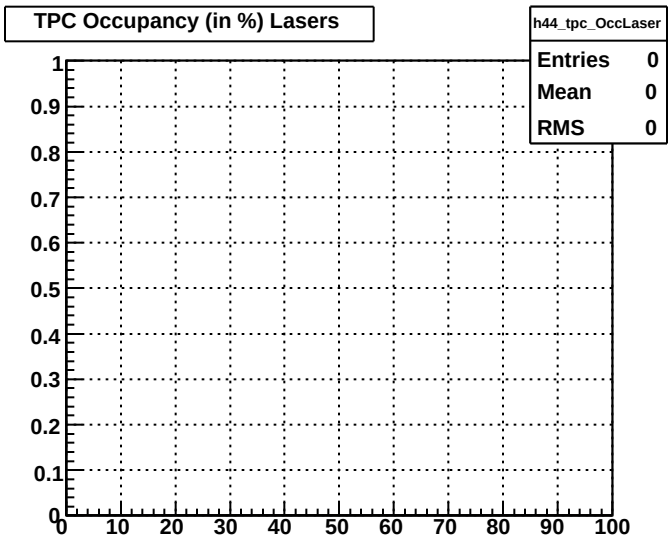

L3 Track Psi
h64_l3_psi
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-3 -2 -1 0 1 2 3

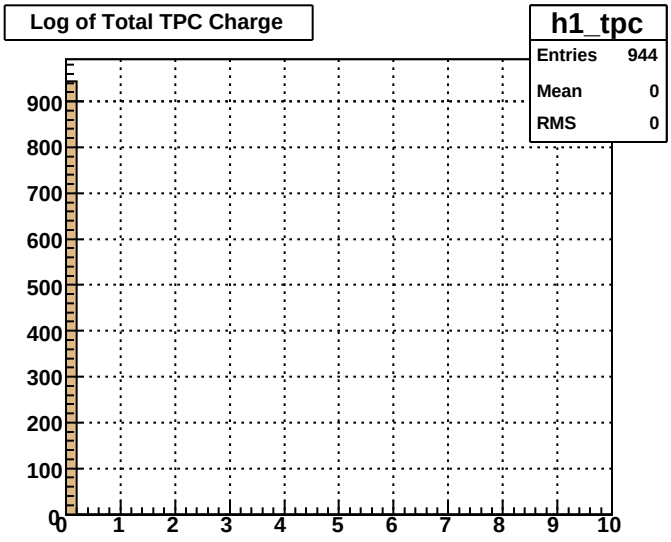

L3 Track Z0
h65_l3_trk_vertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-200 -150 -100 -50 0 50 100 150 200

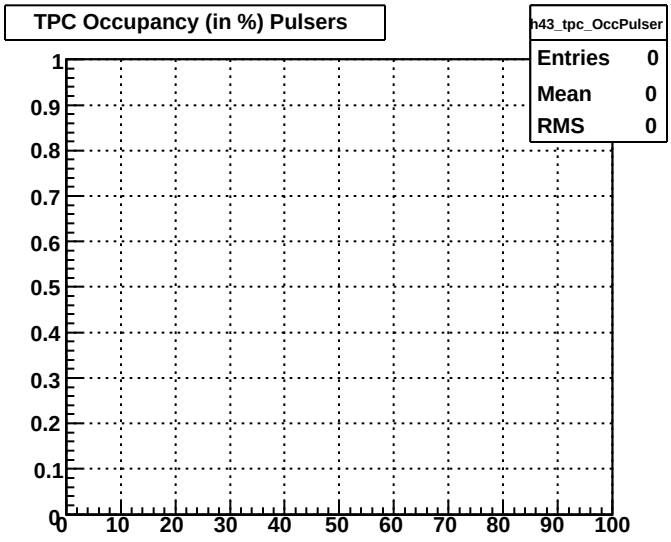

Log of Event Size
h0_evt_size
Entries 944
Mean 0
RMS 0


TPC Occupancy (in %)
h3_tpc
Entries 0
Mean 0
RMS 0

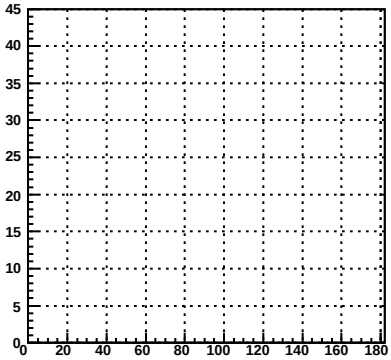

Log of TPC Buffer Size
h2_tpc
Entries 944
Mean 0
RMS 0


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

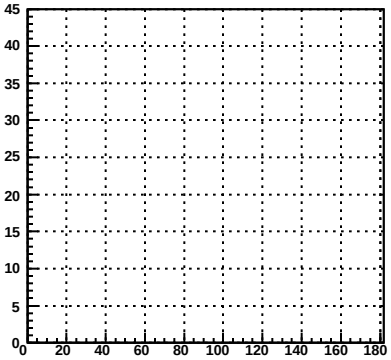

Log of Total TPC Charge
h1_tpc
Entries 944
Mean 0
RMS 0


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

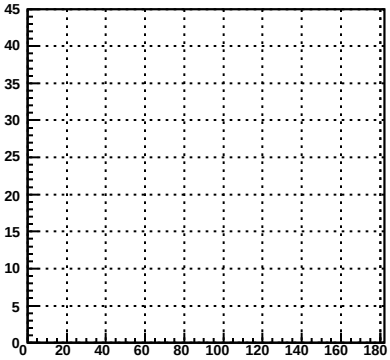
Sec. 1 charge per pad



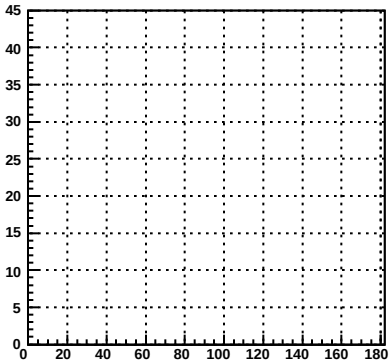
Sec. 2 charge per pad



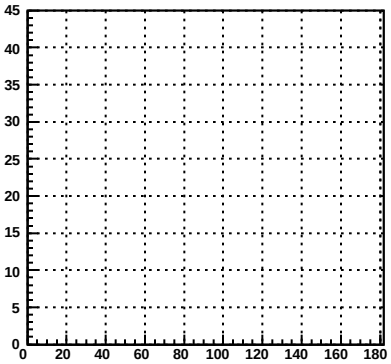
Sec. 3 charge per pad



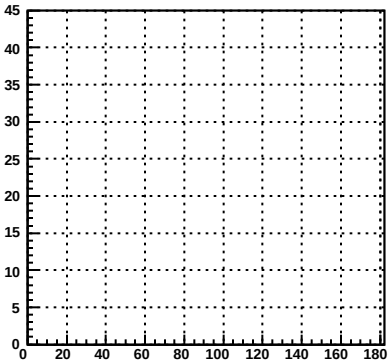
Sec. 4 charge per pad



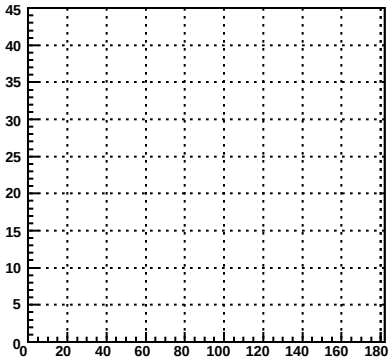
Sec. 5 charge per pad



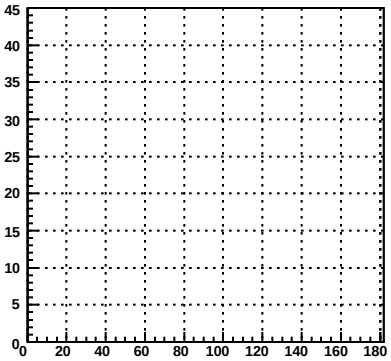
Sec. 6 charge per pad



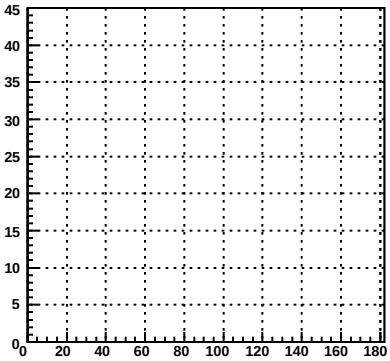
Sec. 7 charge per pad



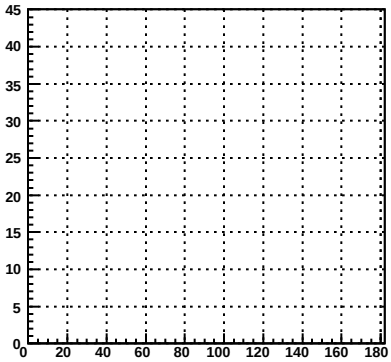
Sec. 8 charge per pad



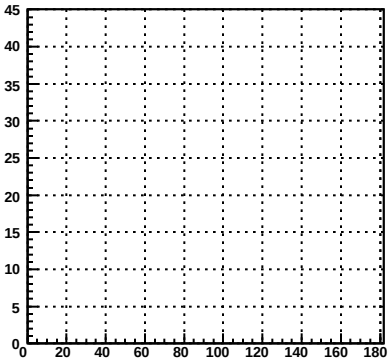
Sec. 9 charge per pad



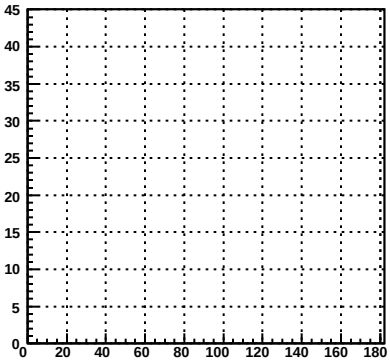
Sec. 10 charge per pad



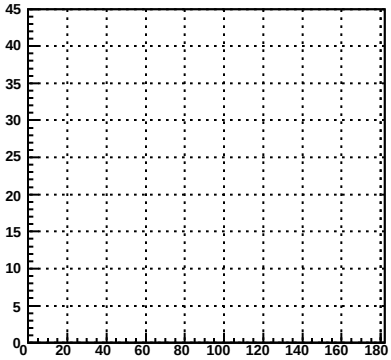
Sec. 11 charge per pad



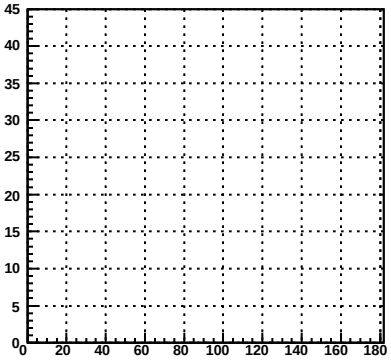
Sec. 12 charge per pad



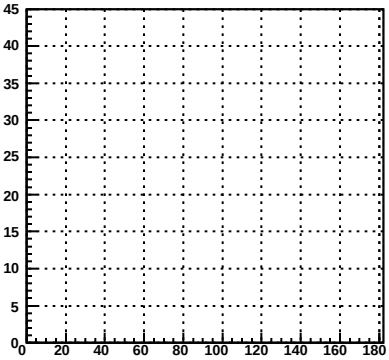
Sec. 13 charge per pad



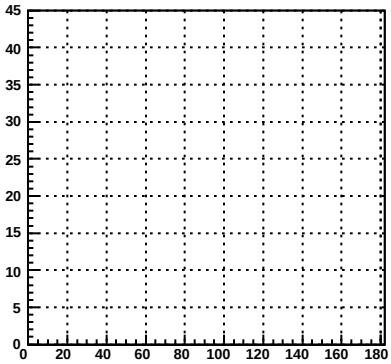
Sec. 14 charge per pad



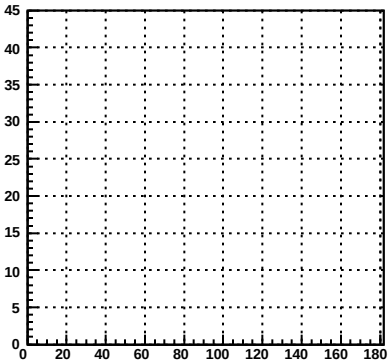
Sec. 15 charge per pad



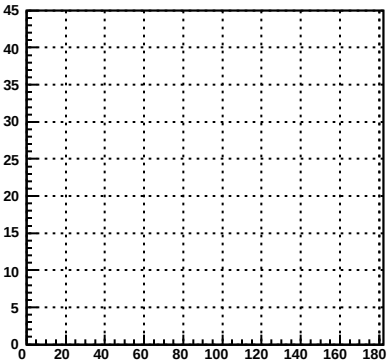
Sec. 16 charge per pad



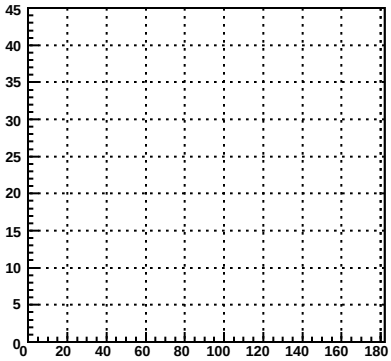
Sec. 17 charge per pad



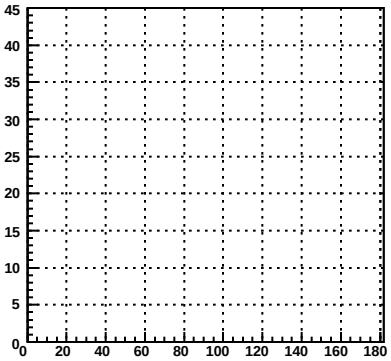
Sec. 18 charge per pad



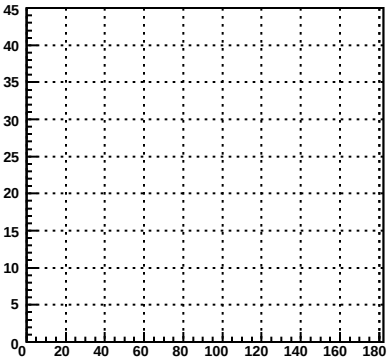
Sec. 19 charge per pad



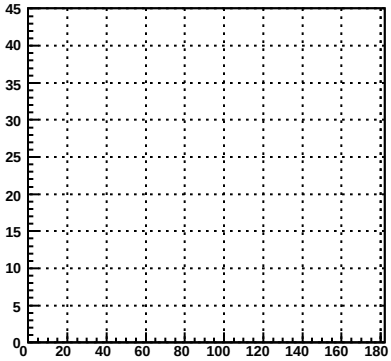
Sec. 20 charge per pad



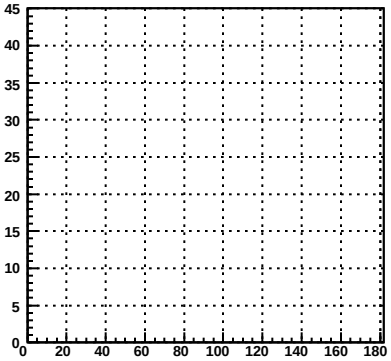
Sec. 21 charge per pad



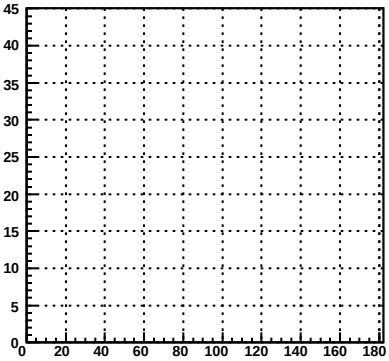
Sec. 22 charge per pad

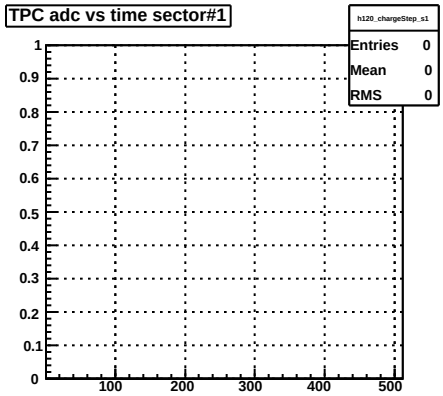


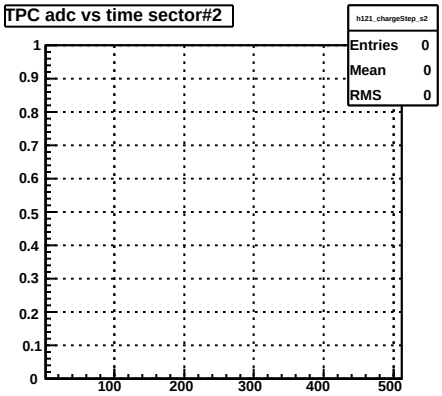
Sec. 23 charge per pad

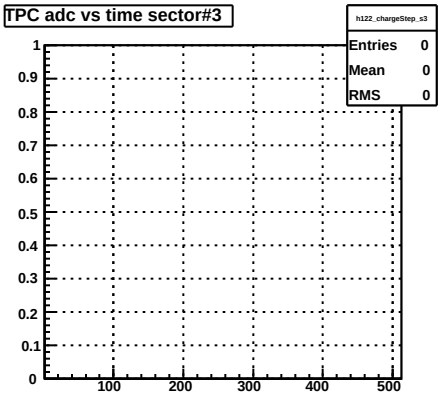


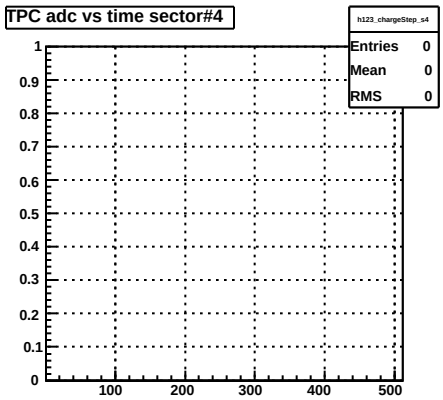
Sec. 24 charge per pad

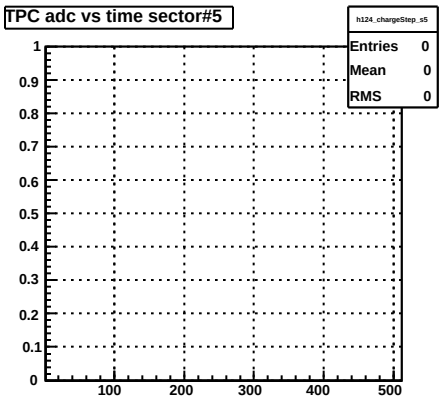


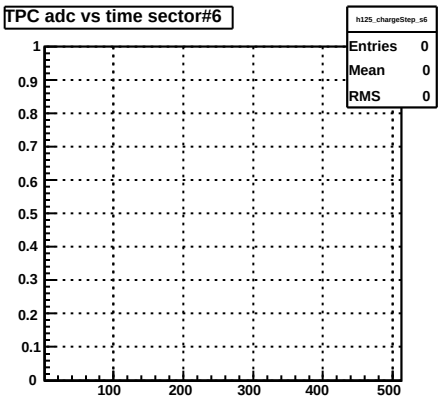

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 0
Mean 0
RMS 0

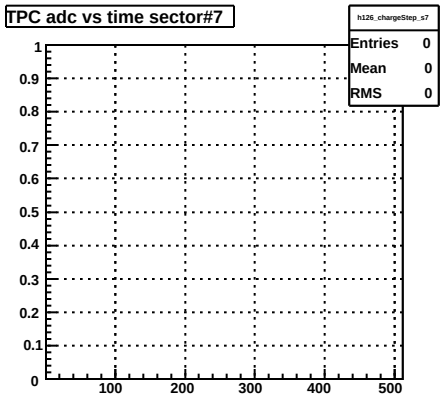

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 0
Mean 0
RMS 0

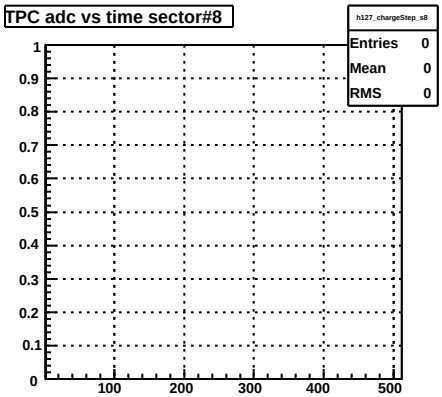

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 0
Mean 0
RMS 0

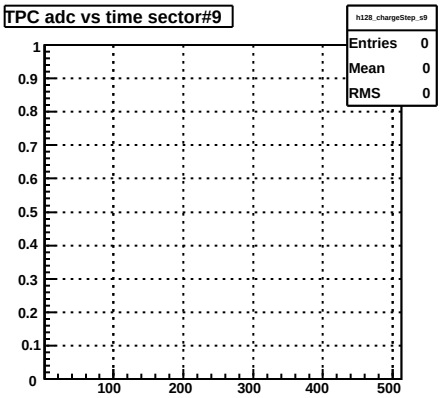

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 0
Mean 0
RMS 0

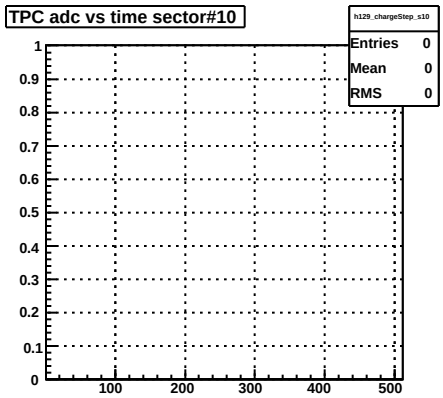

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 0
Mean 0
RMS 0

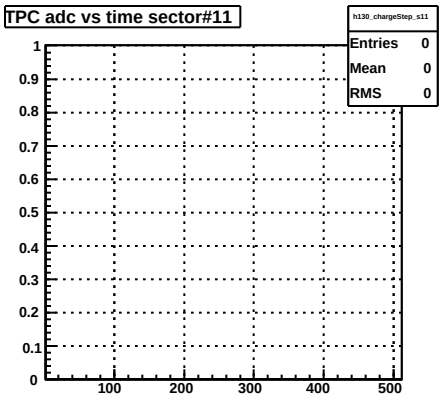

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 0
Mean 0
RMS 0

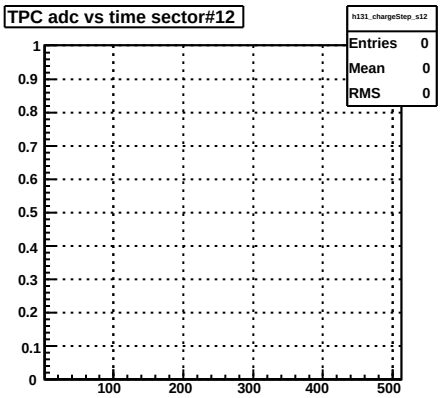

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 0
Mean 0
RMS 0

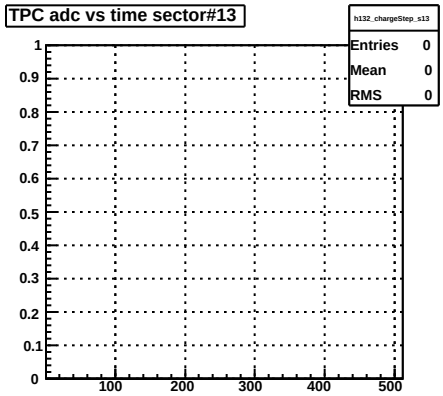

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 0
Mean 0
RMS 0

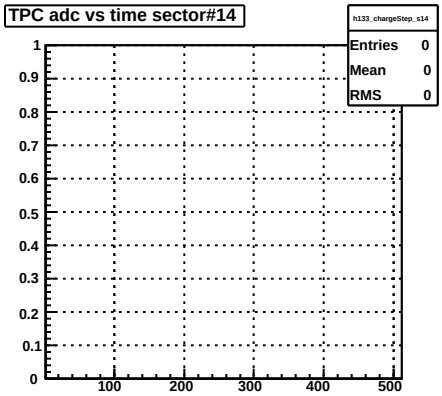

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 0
Mean 0
RMS 0

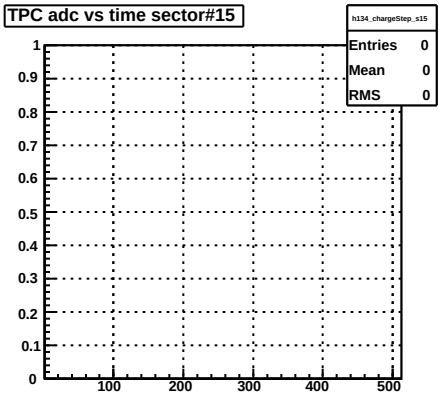

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 0
Mean 0
RMS 0

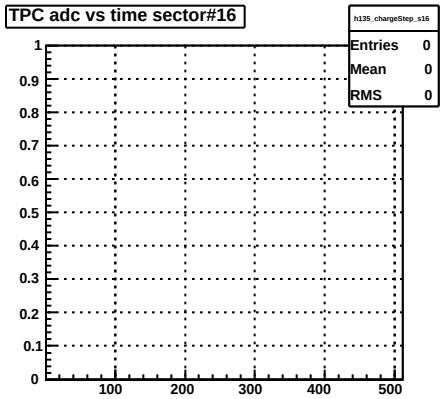

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 0
Mean 0
RMS 0

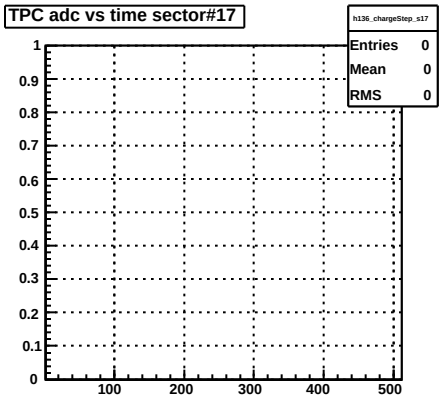

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 0
Mean 0
RMS 0

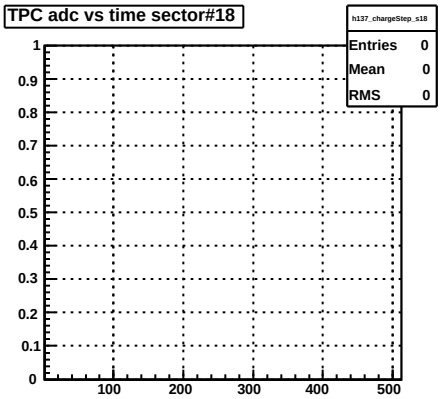

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 0
Mean 0
RMS 0

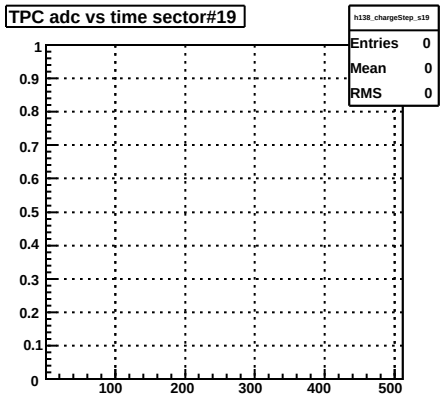

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 0
Mean 0
RMS 0

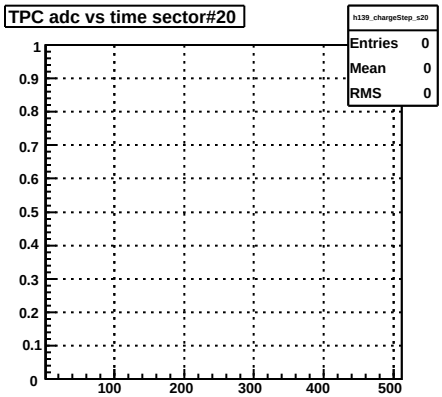

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 0
Mean 0
RMS 0

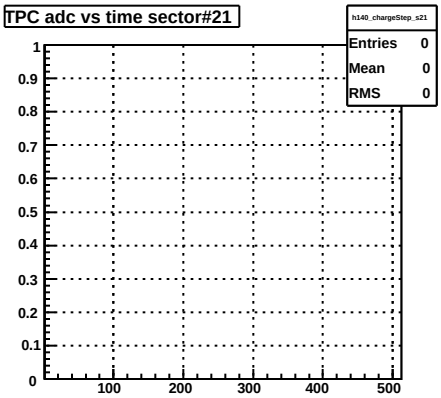

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 0
Mean 0
RMS 0

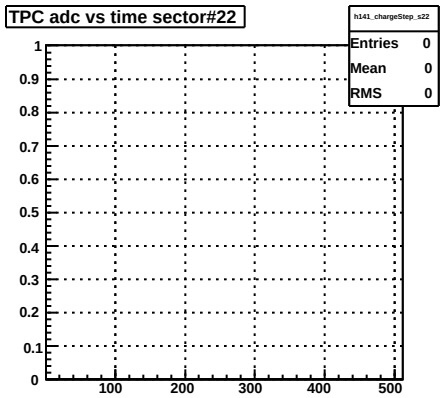

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 0
Mean 0
RMS 0

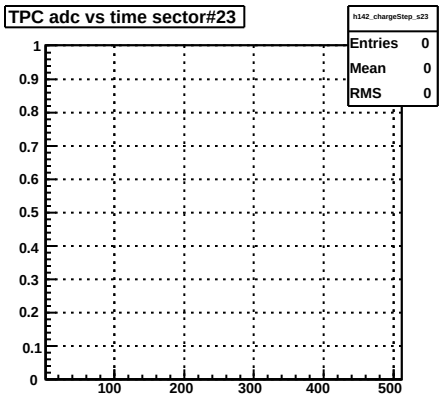

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 0
Mean 0
RMS 0

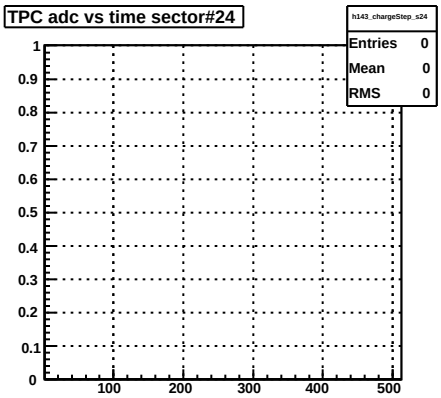

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 0
Mean 0
RMS 0

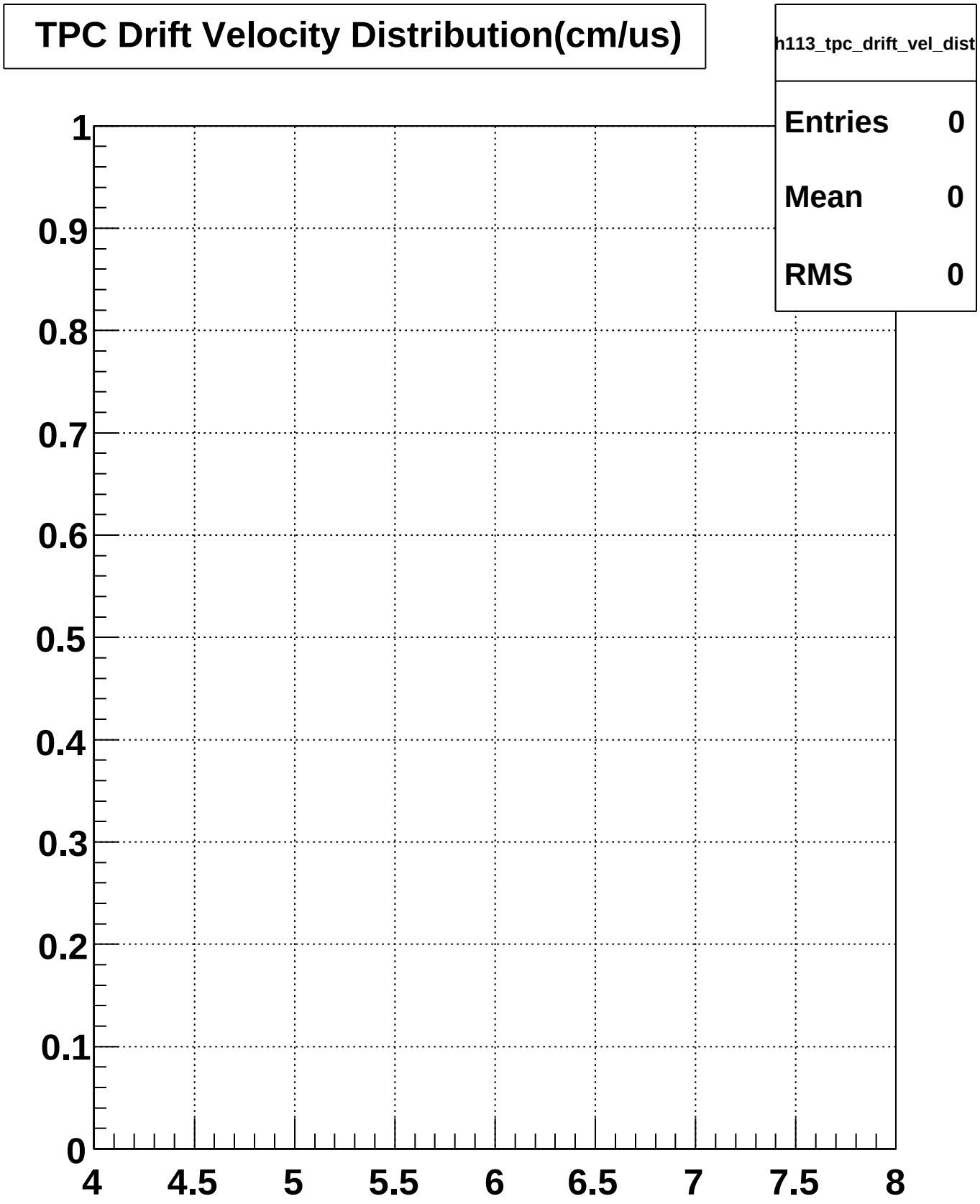

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 0
Mean 0
RMS 0


TPC adc vs time sector#21
h140_chargeStep_s21
Entries 0
Mean 0
RMS 0


TPC adc vs time sector#22
h141_chargeStep_s22
Entries 0
Mean 0
RMS 0


TPC adc vs time sector#23
h142_chargeStep_s23
Entries 0
Mean 0
RMS 0


TPC adc vs time sector#24
h143_chargeStep_s24
Entries 0
Mean 0
RMS 0


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

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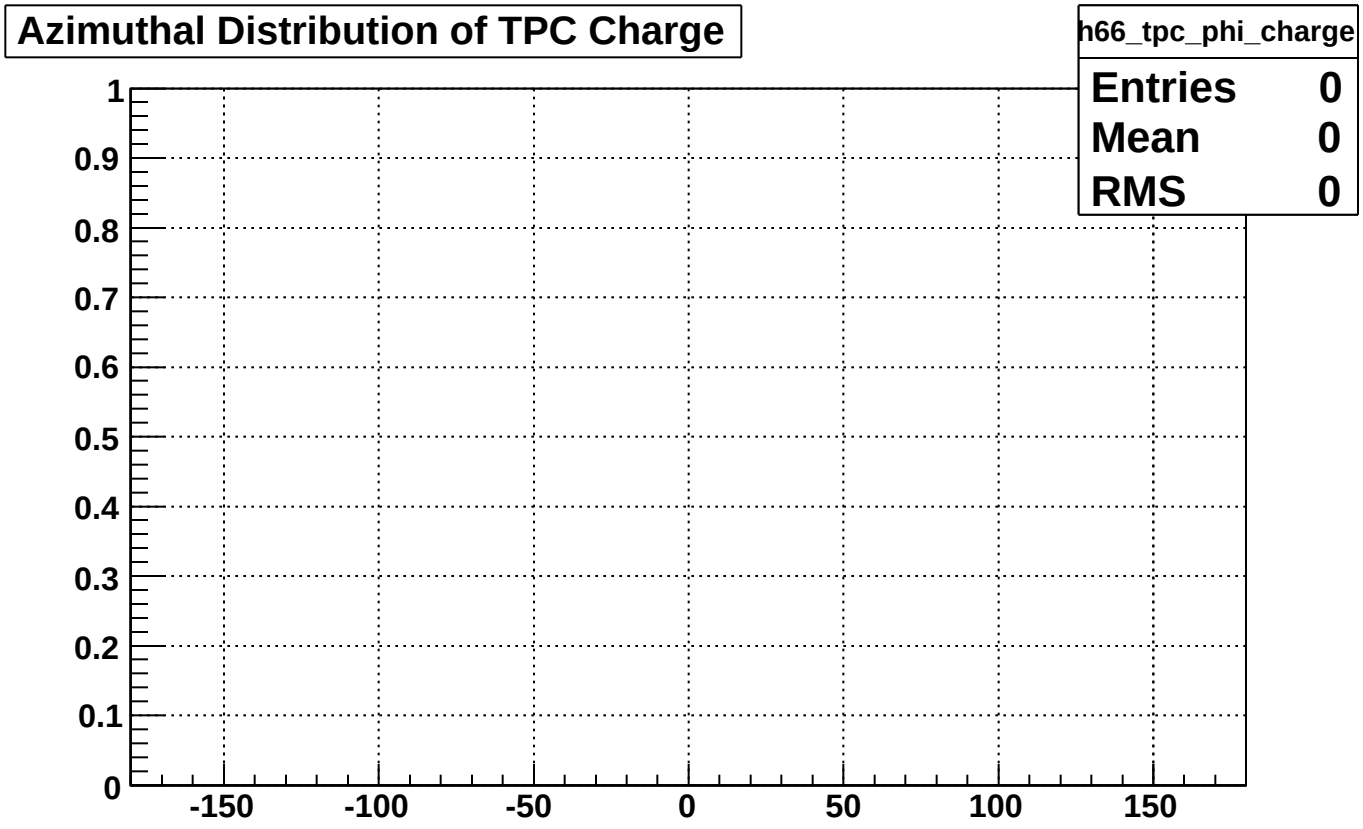
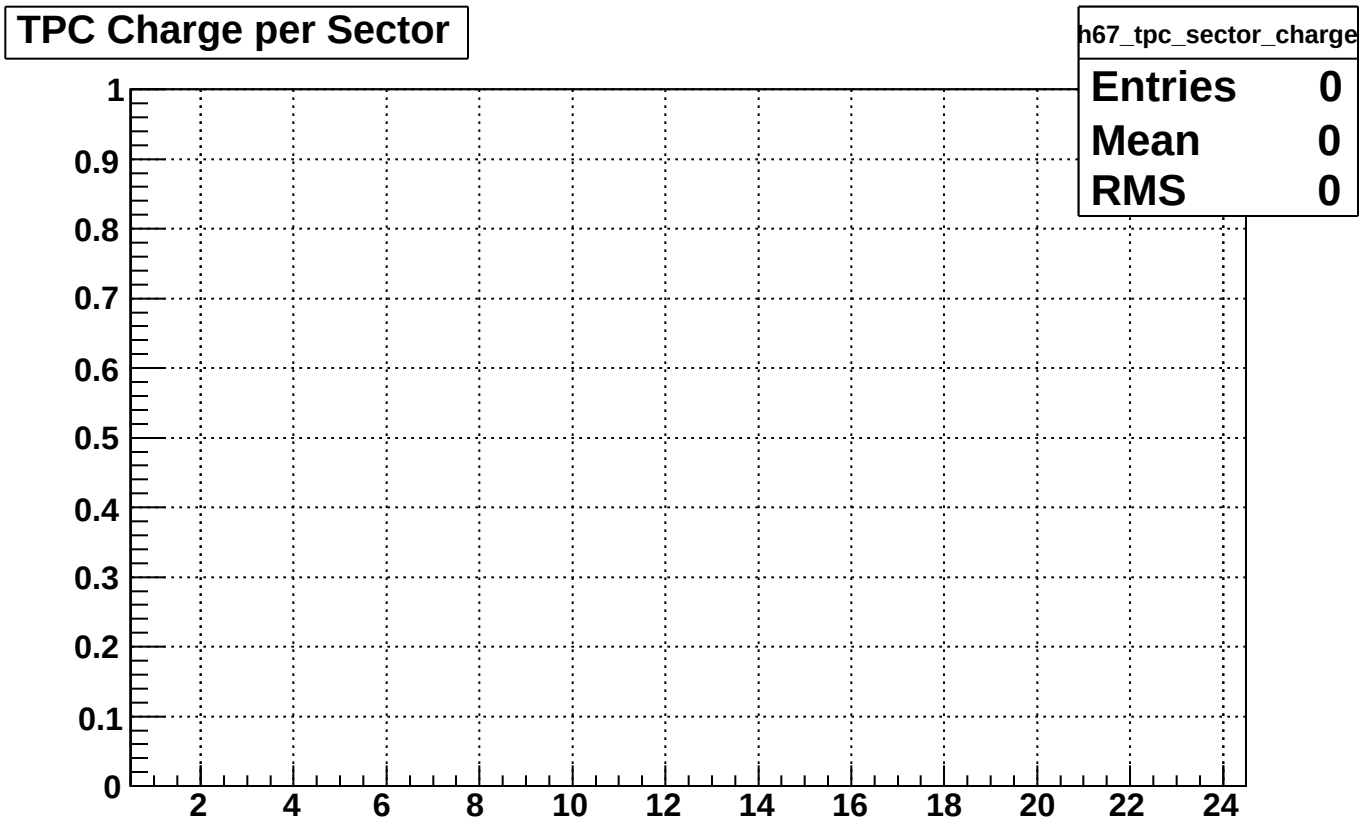
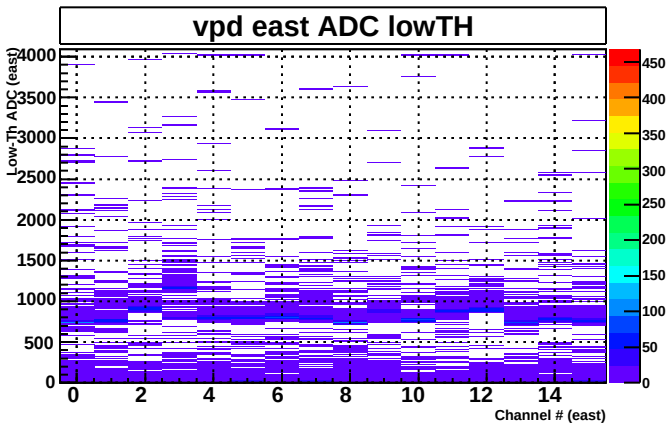
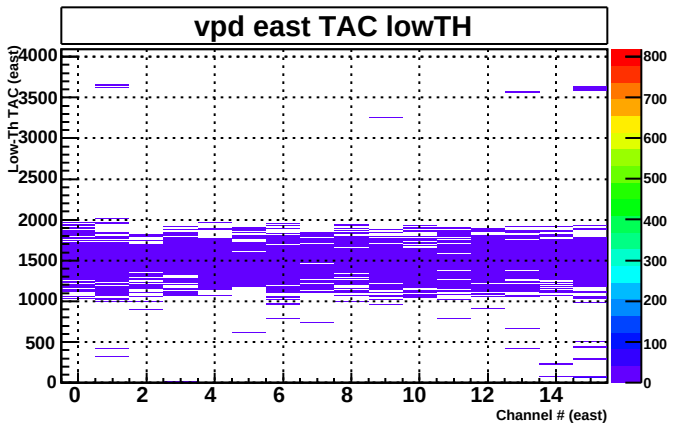
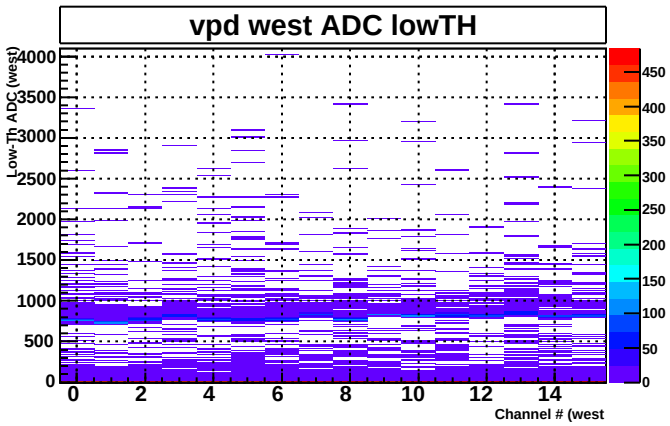
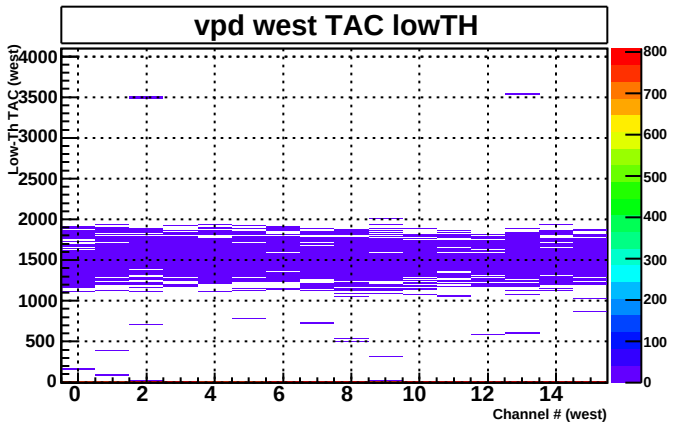

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-150
-100
-50
0
50
100
150

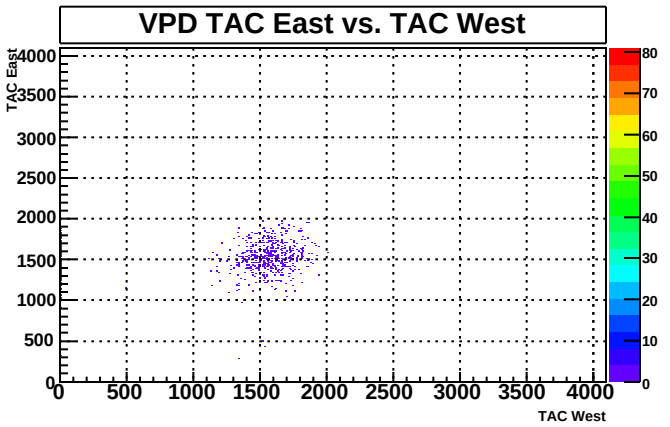

TPC Charge per Sector
h67_tpc_sector_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2
4
6
8
10
12
14
16
18
20
22
24

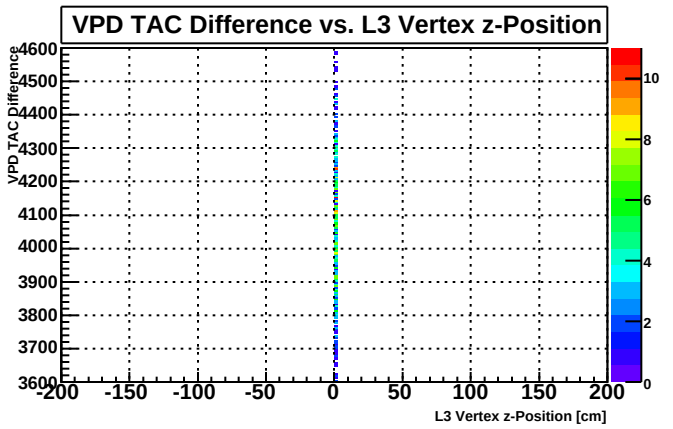

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

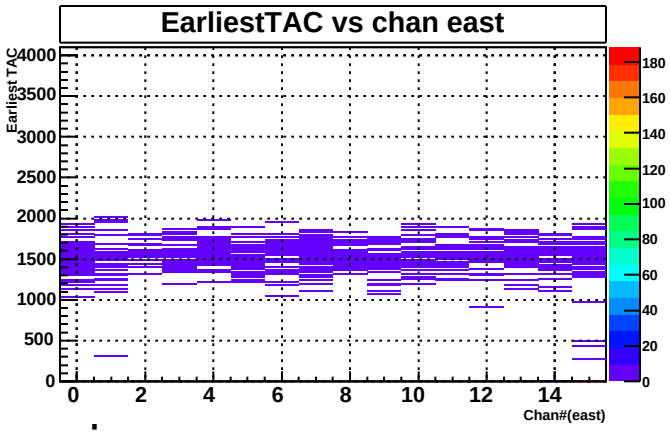

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

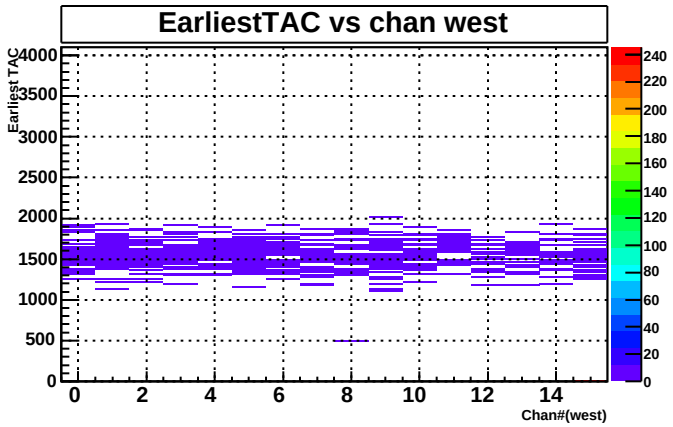

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

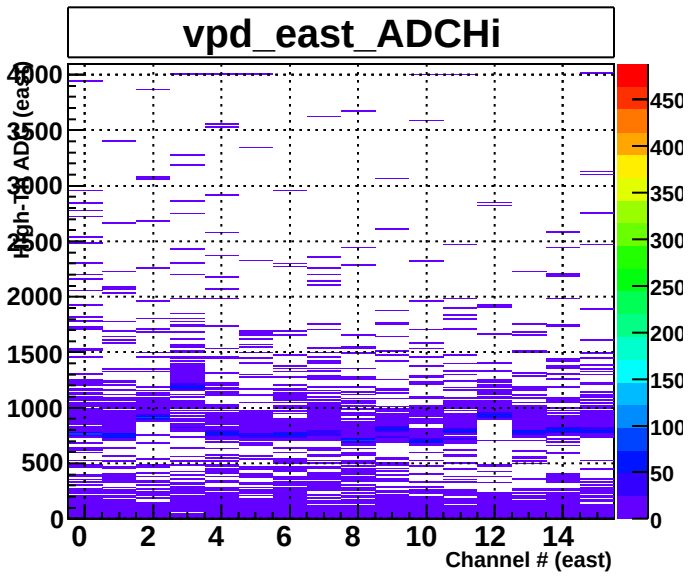

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

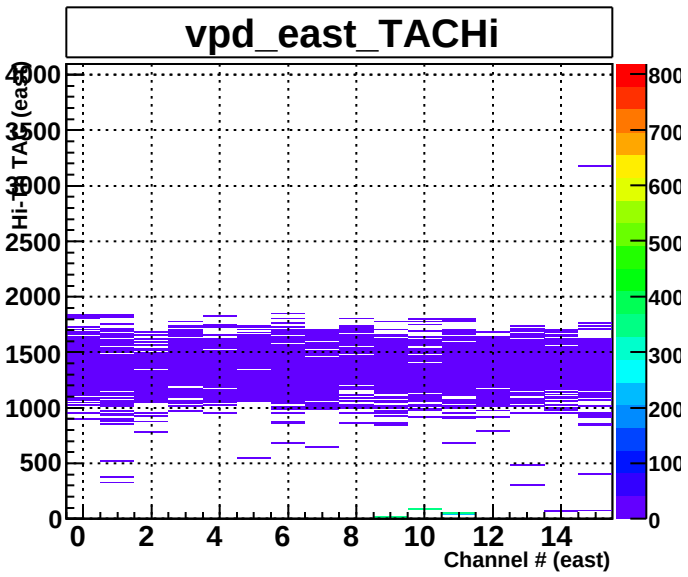

VPD TAC East vs. TAC West
TAC East
TAC West

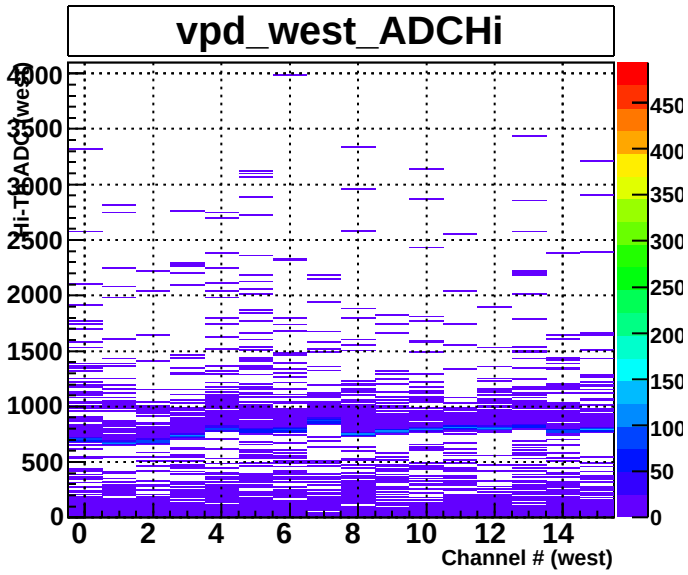

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

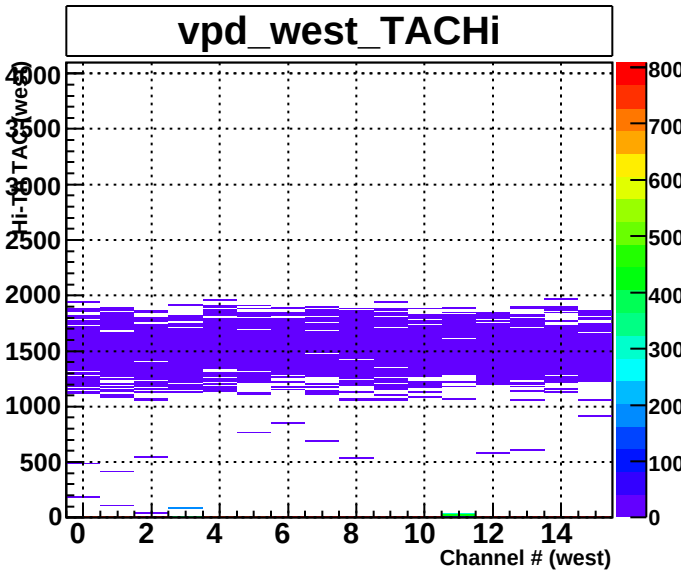

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

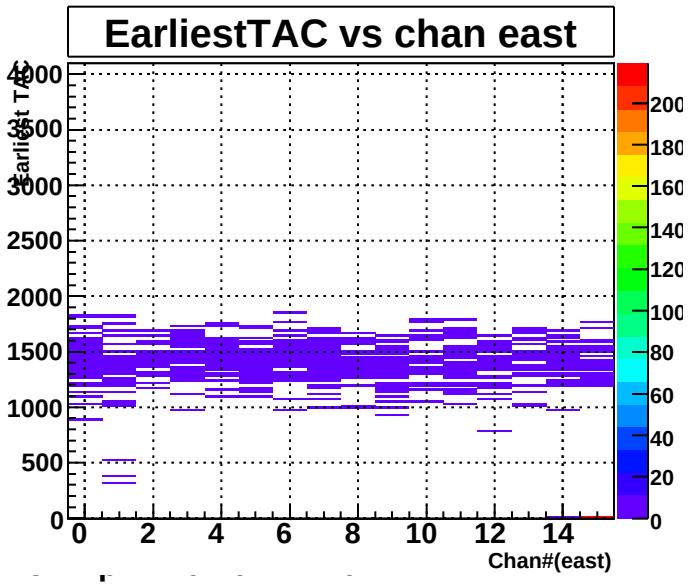

EarliestTAC vs chan west
Earliest TAC
Chan#(west)

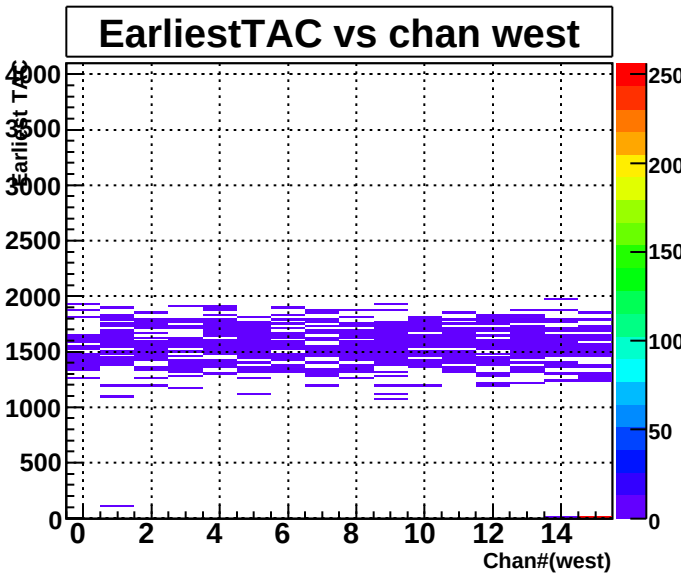

vpd_east_ADCHi
High-Hi ADC (east)
Channel # (east)

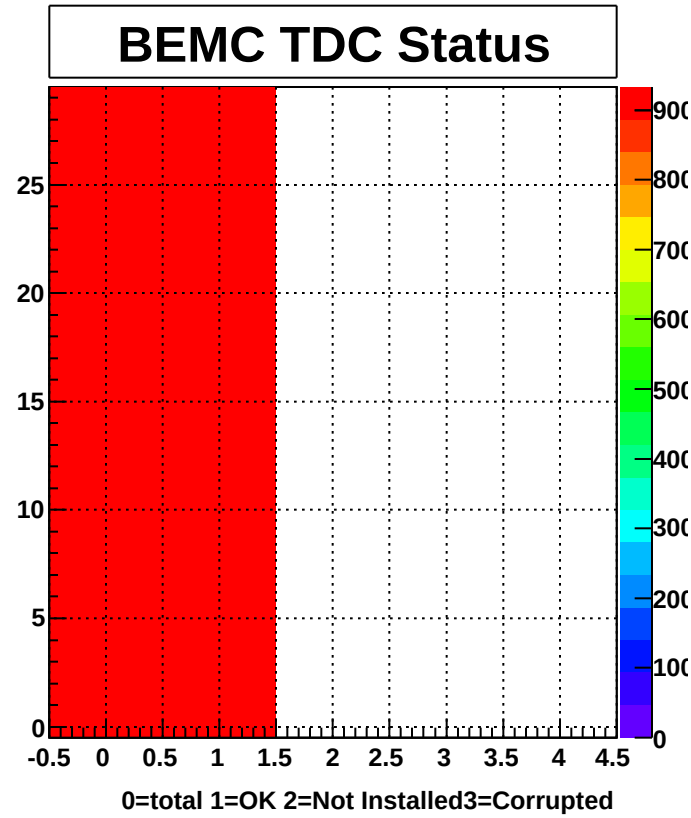

vpd_east_TACHi
Hi-Hi TAC (east)
Channel # (east)

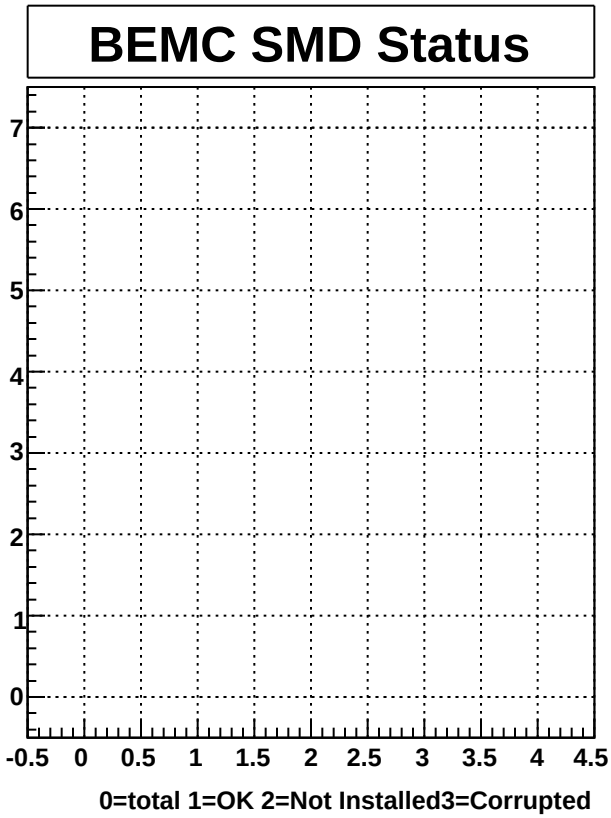

vpd_west_ADCHi
Hi-Hi ADC (west)
Channel # (west)

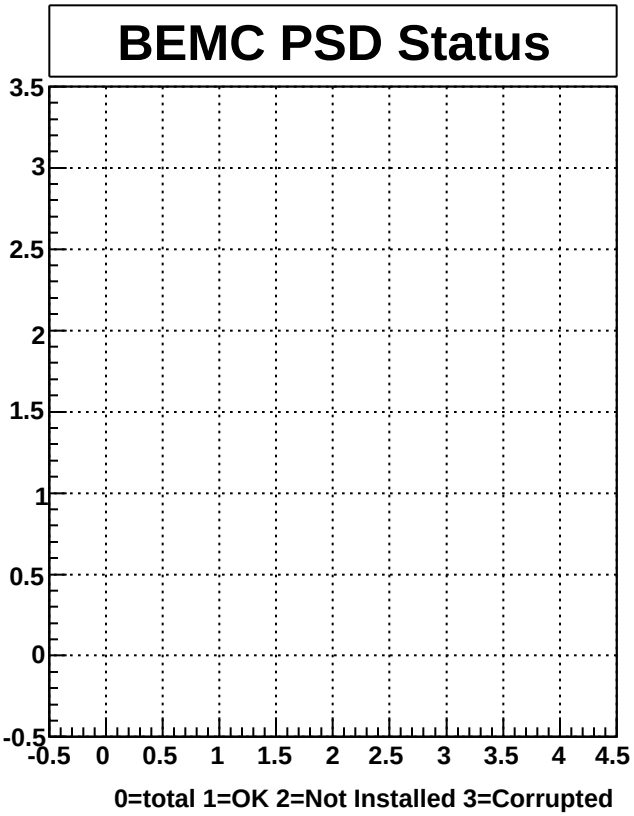

vpd_west_TACHi
Hi-Hi TAC (west)
Channel # (west)

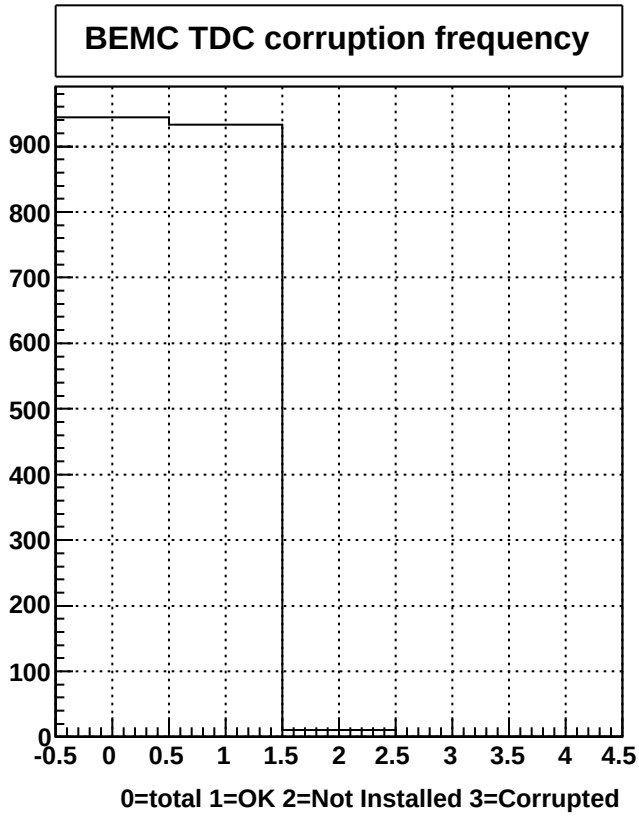

EarliestTAC vs chan east
Earliest TAC
Chan#(east)


EarliestTAC vs chan west
Earliest TAC
Chan#(west)









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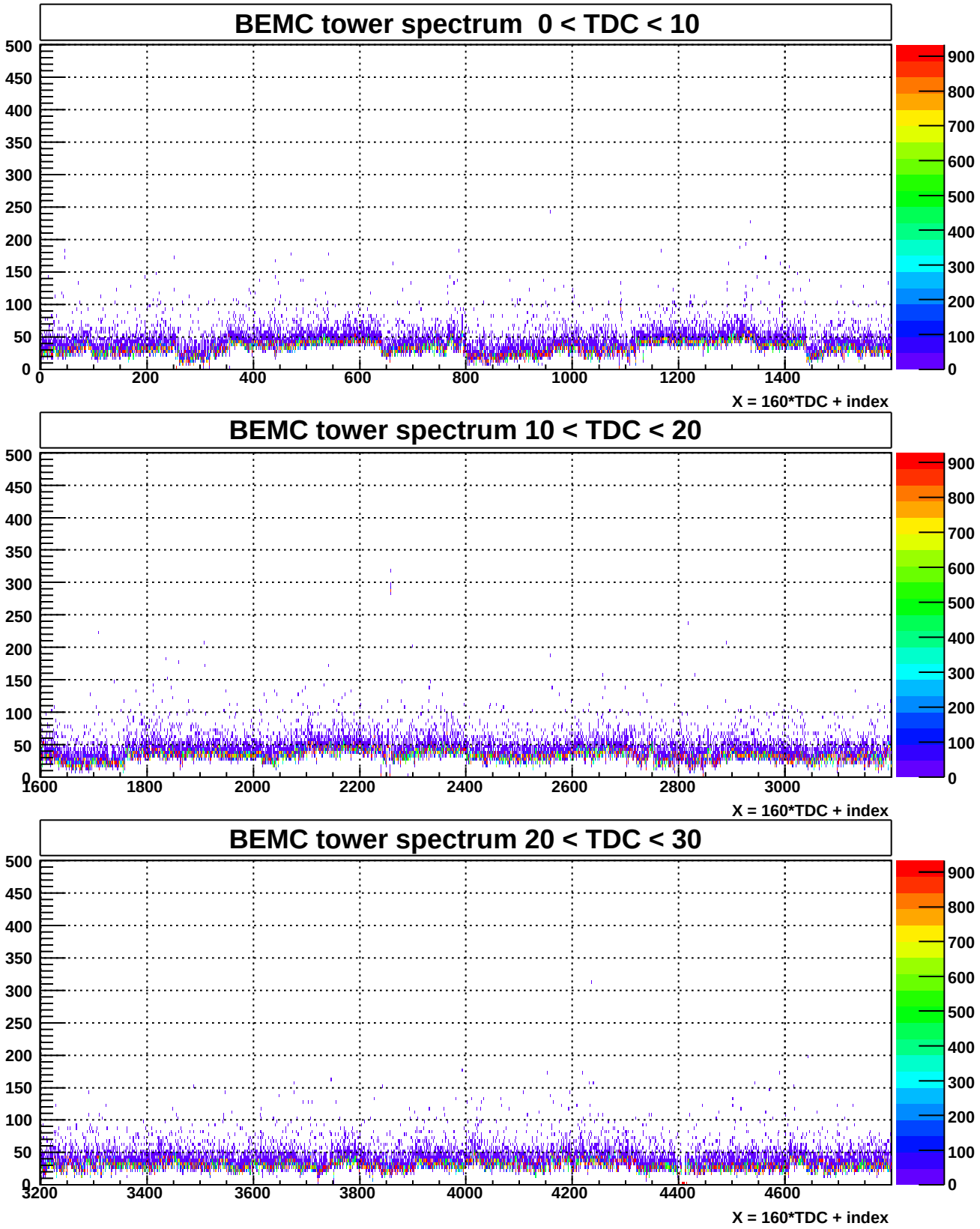

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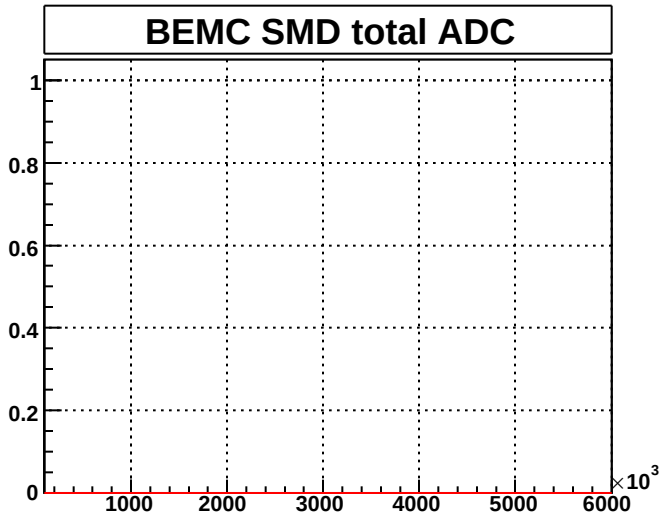

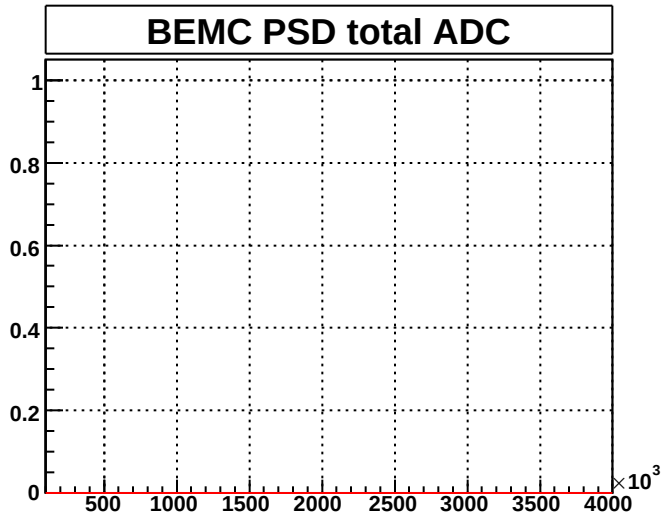

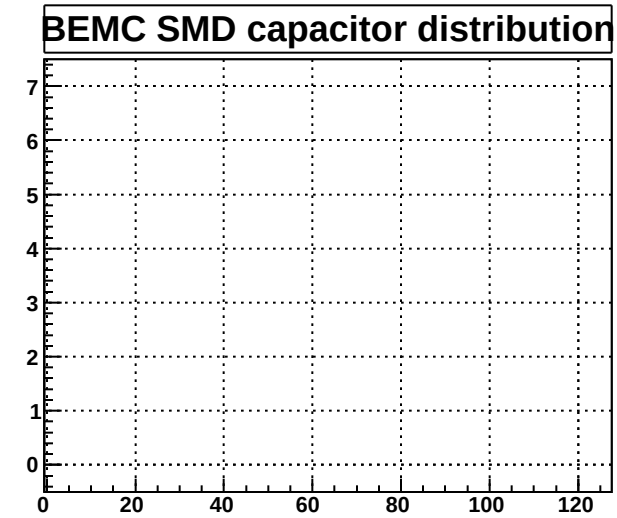

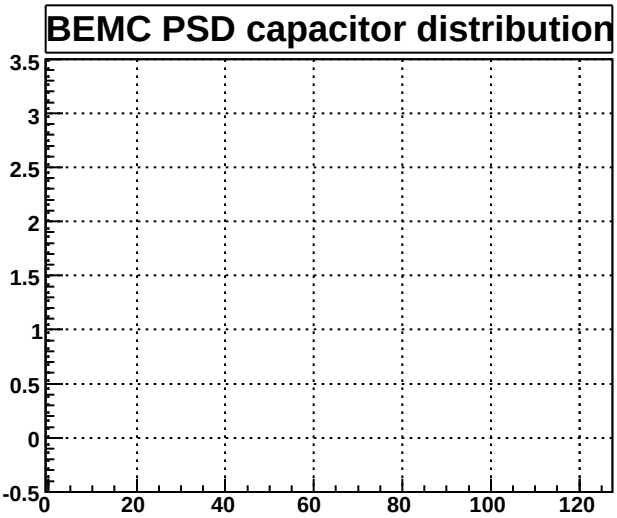

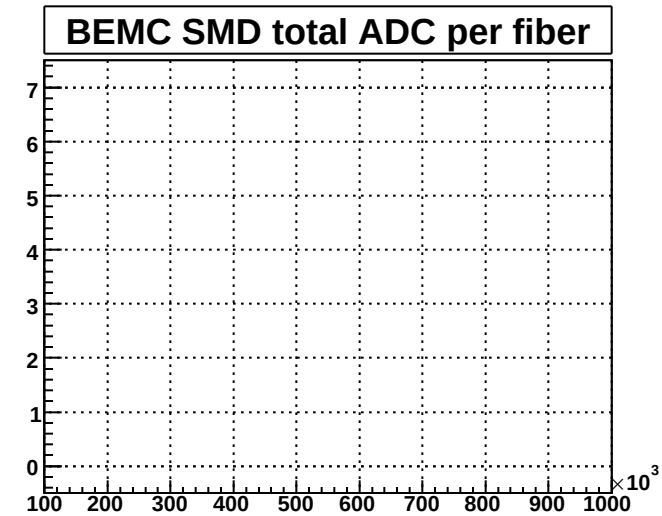

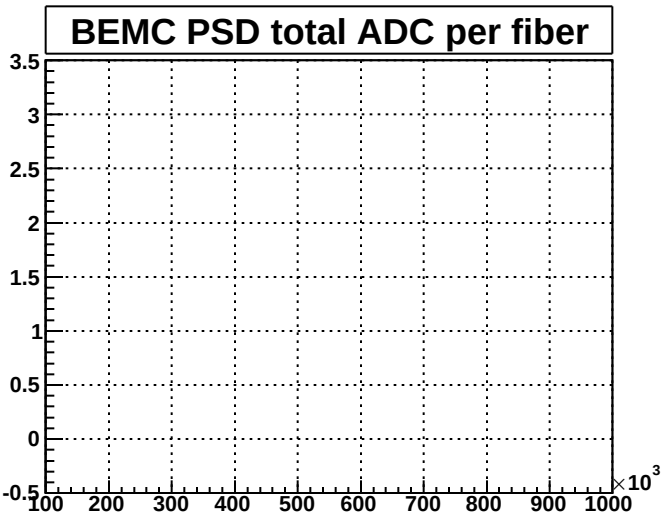

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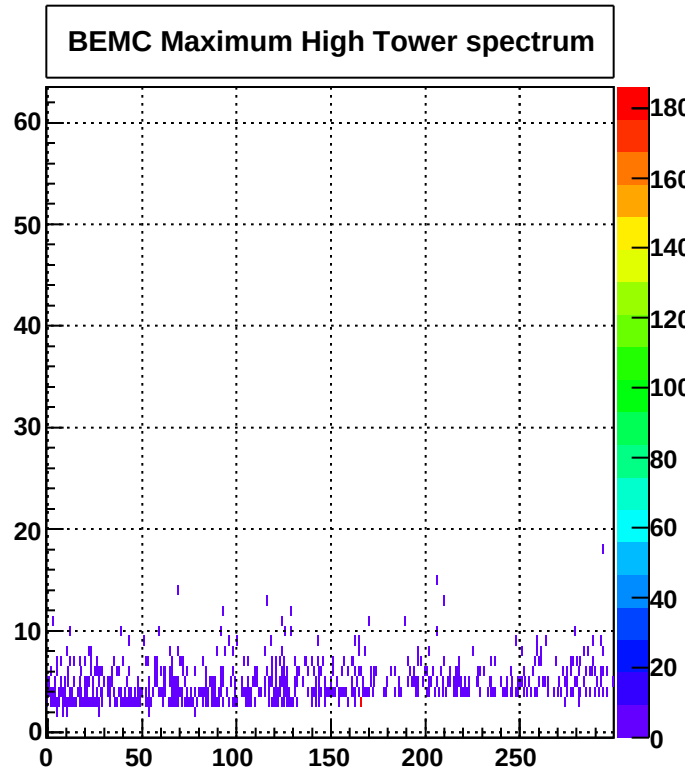

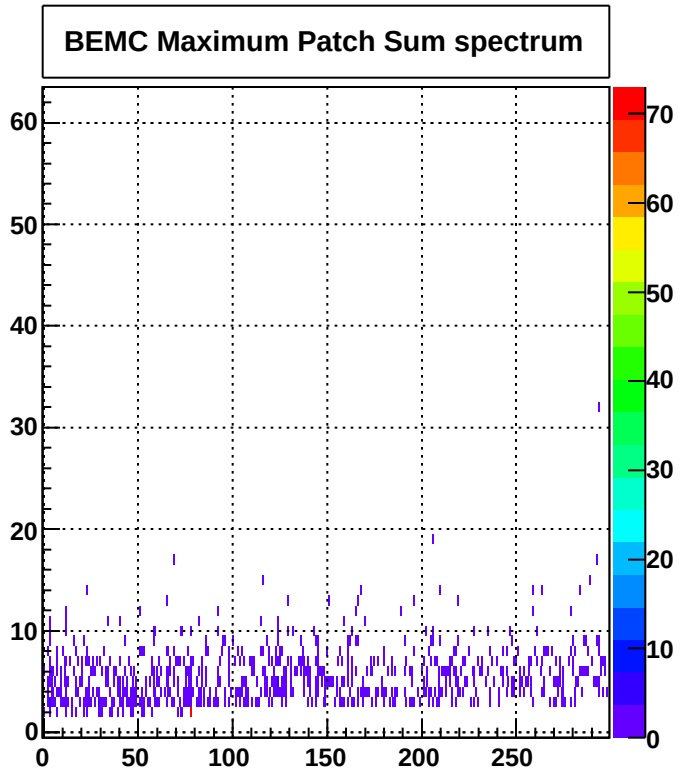

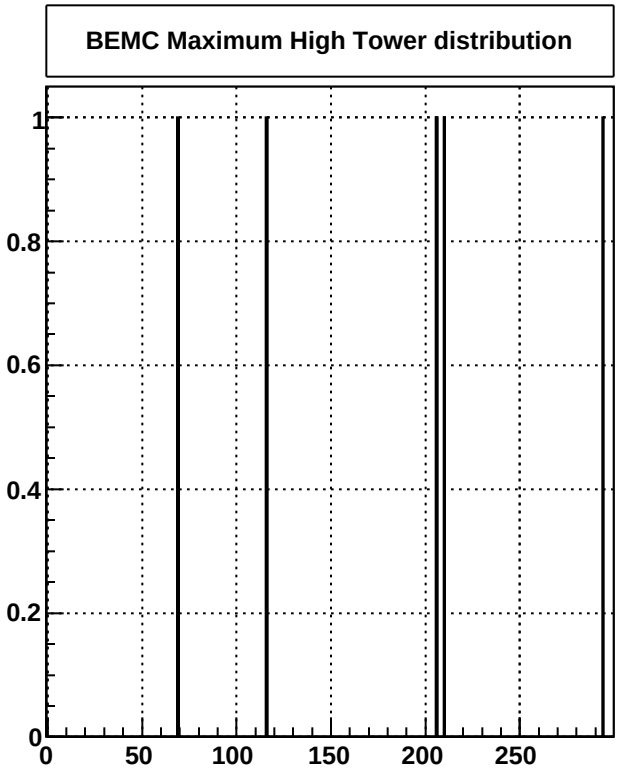

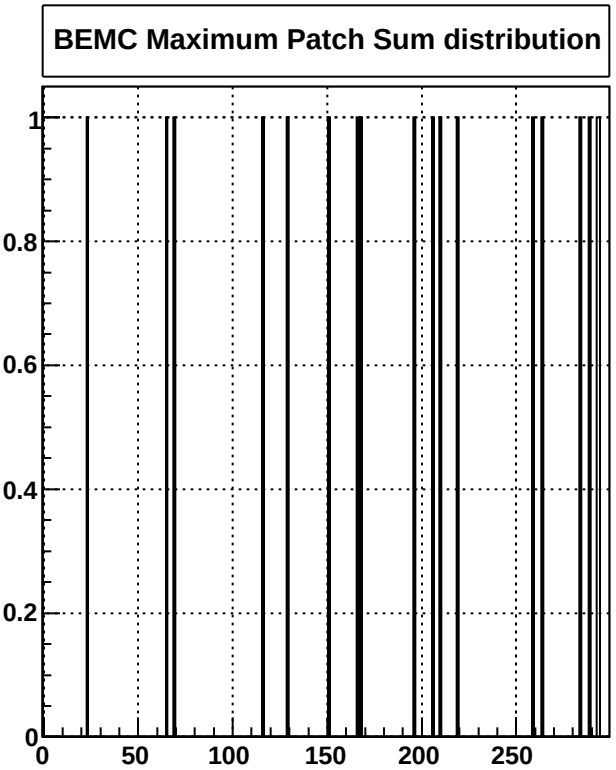

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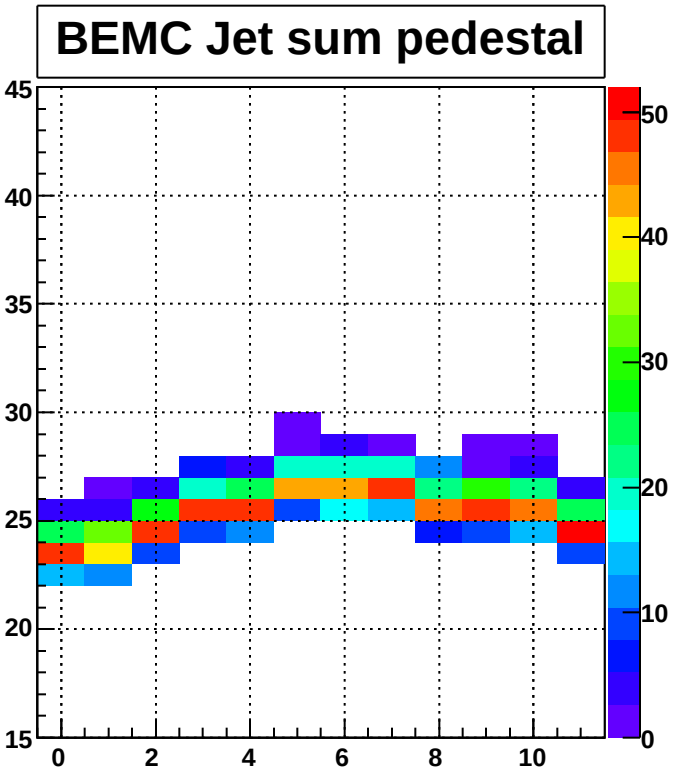

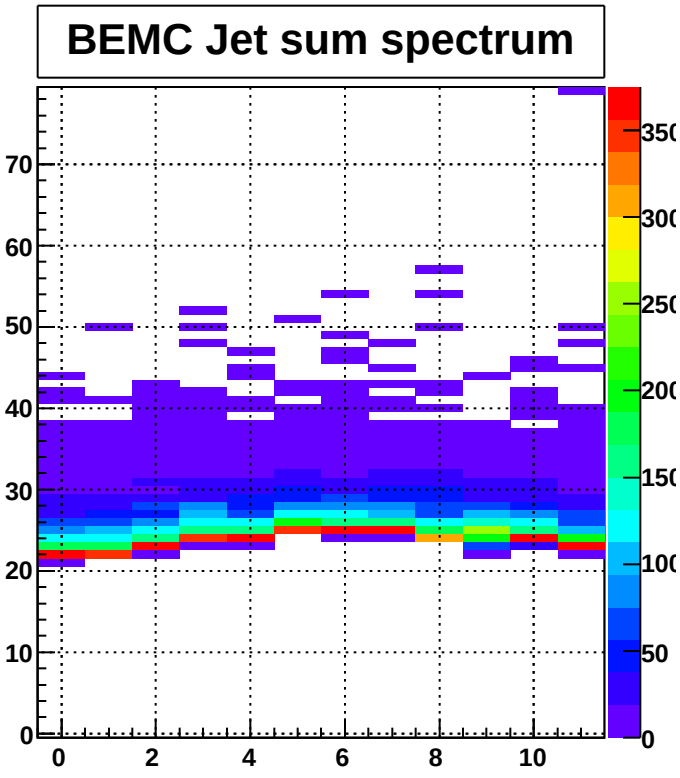

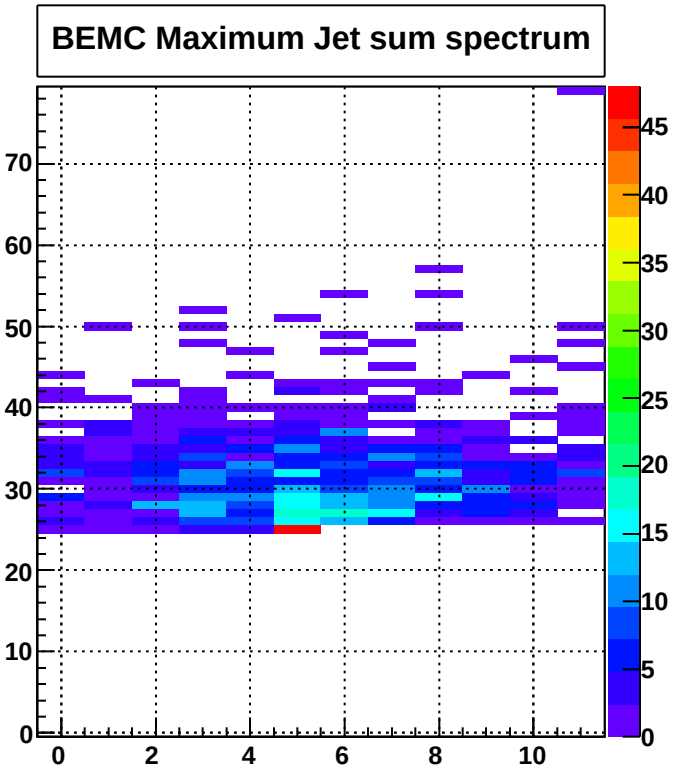

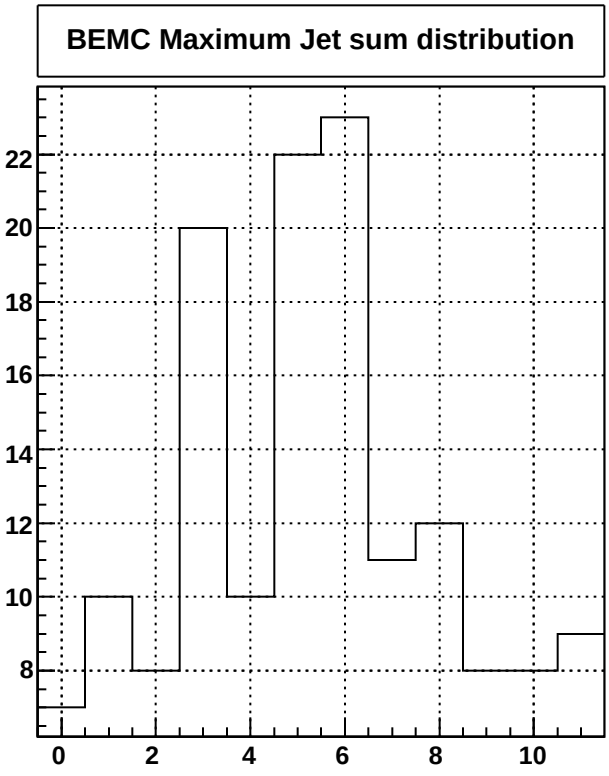

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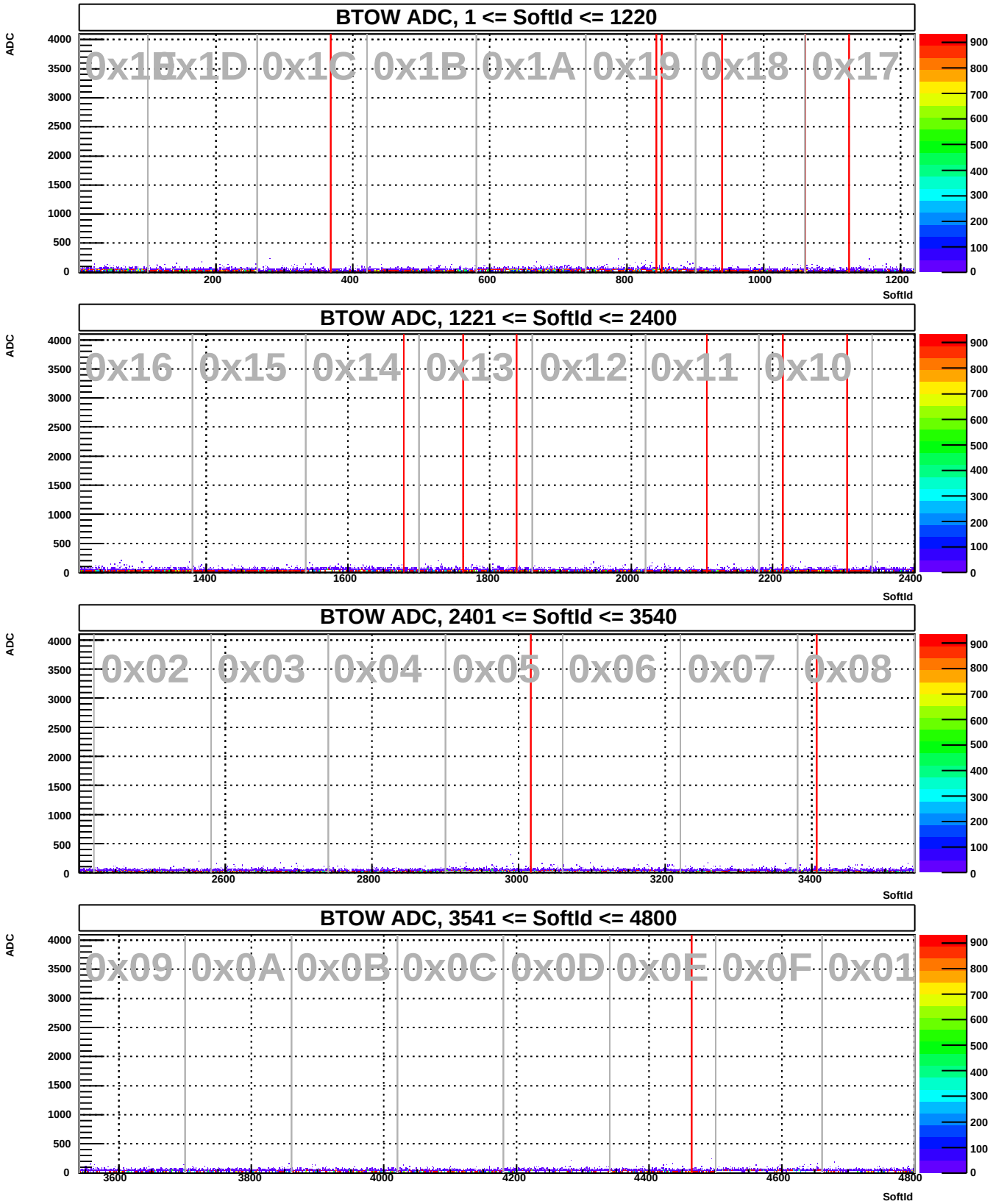

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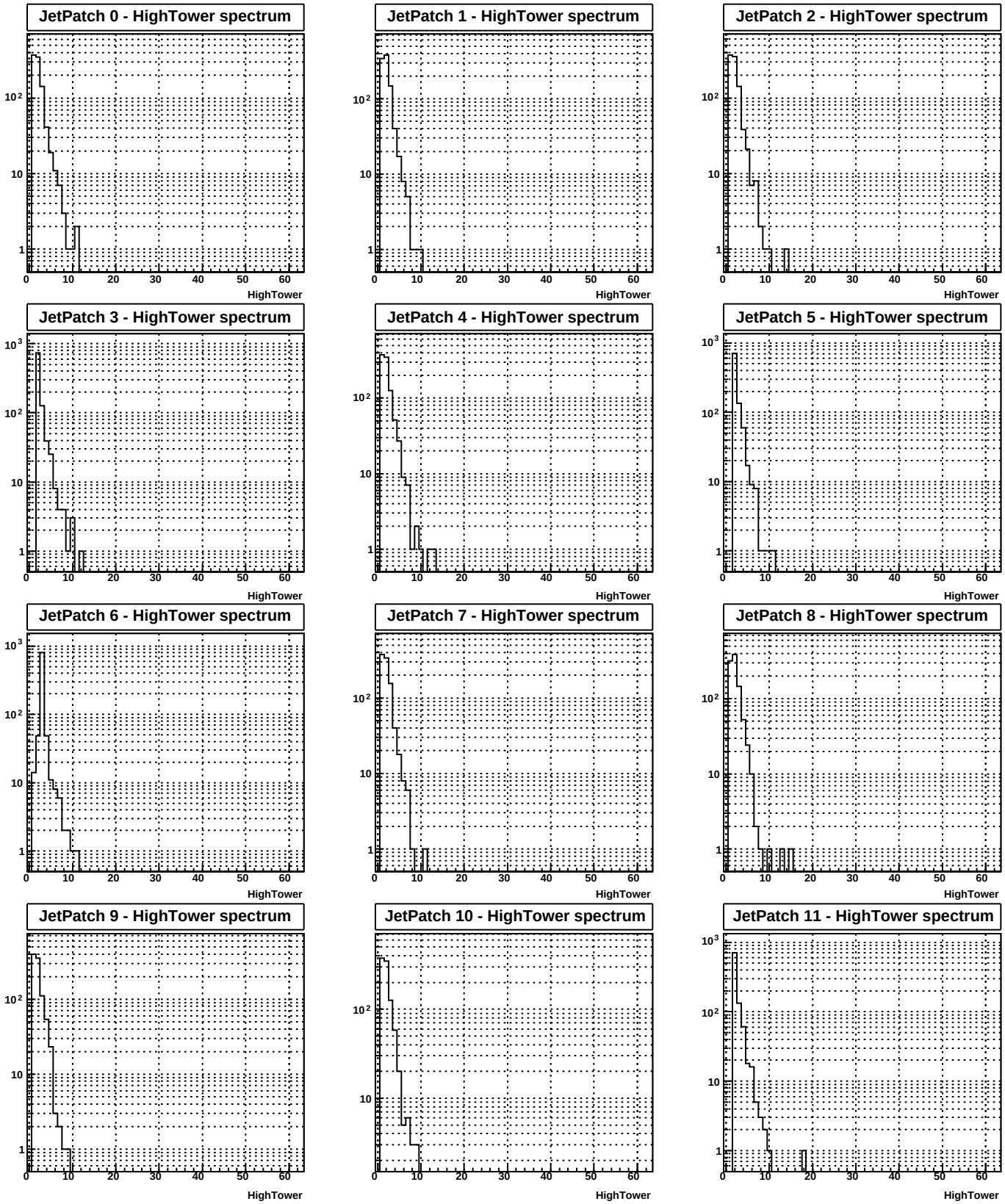

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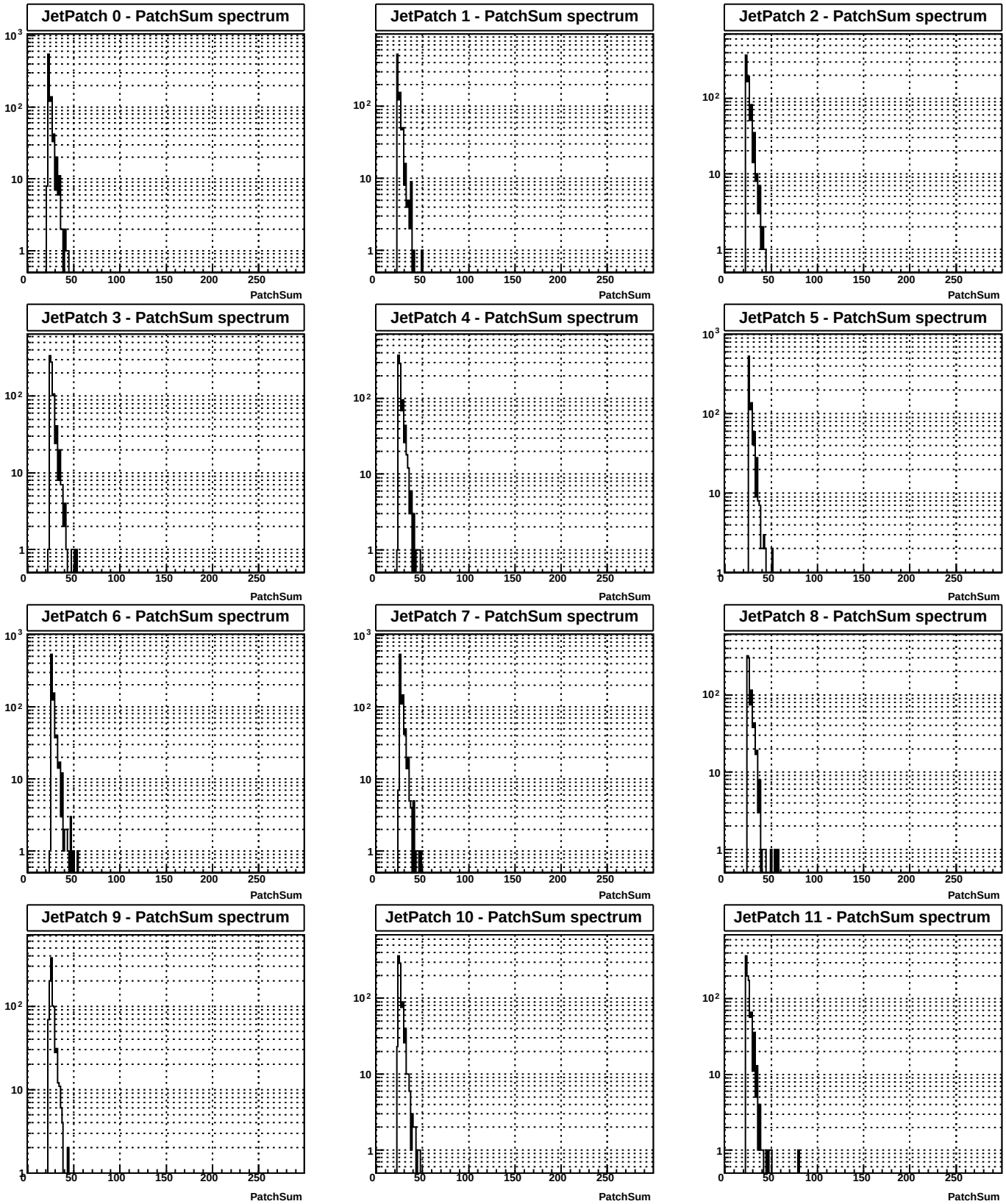

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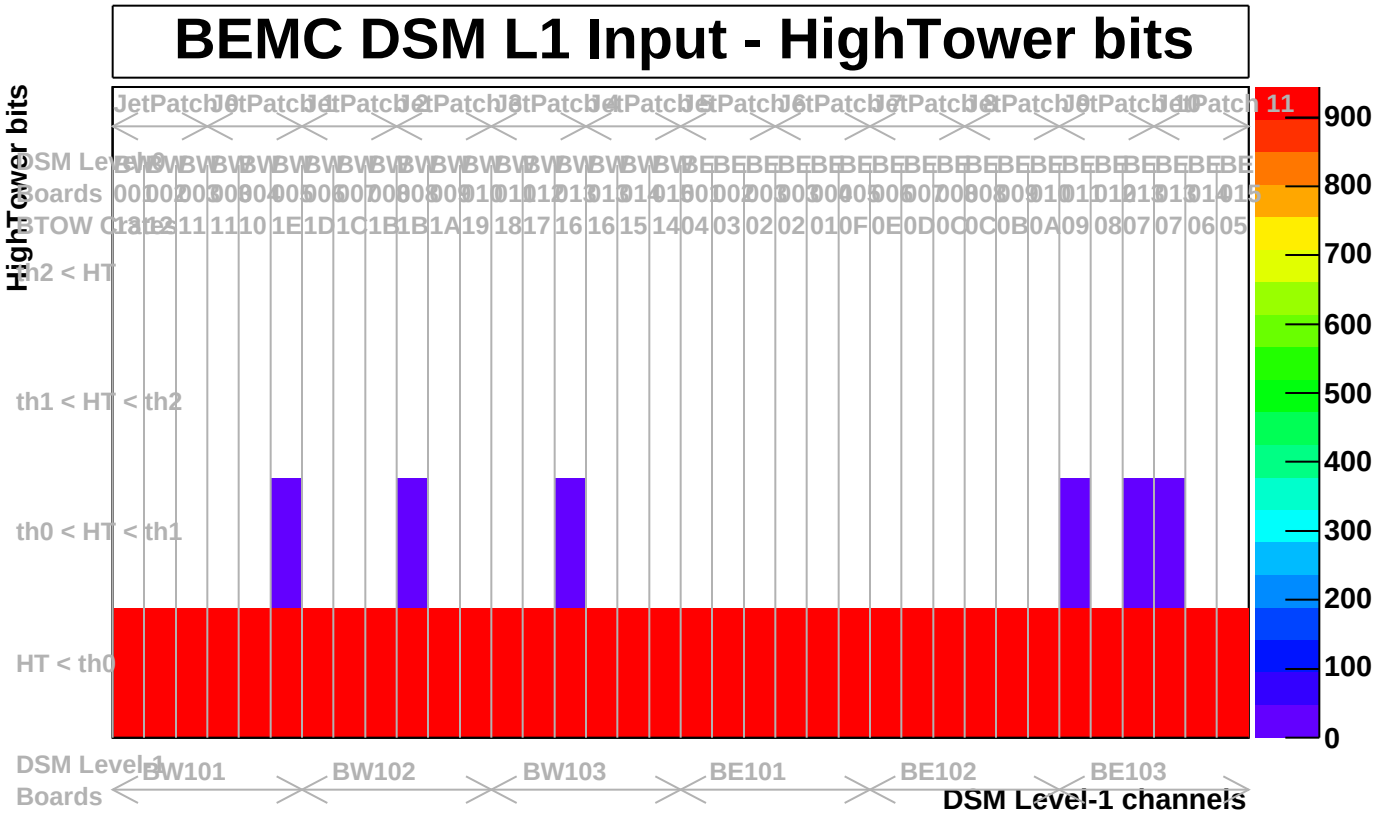

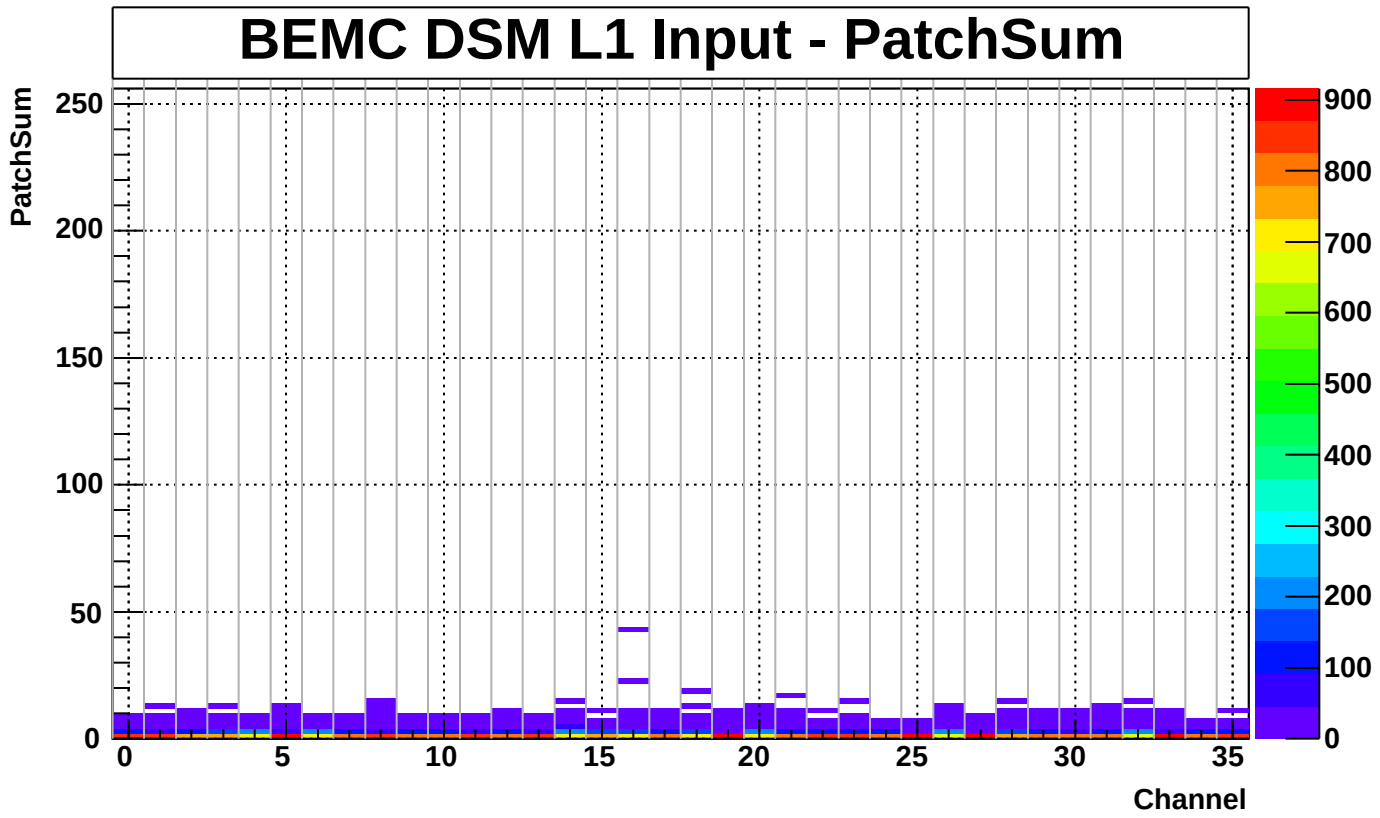

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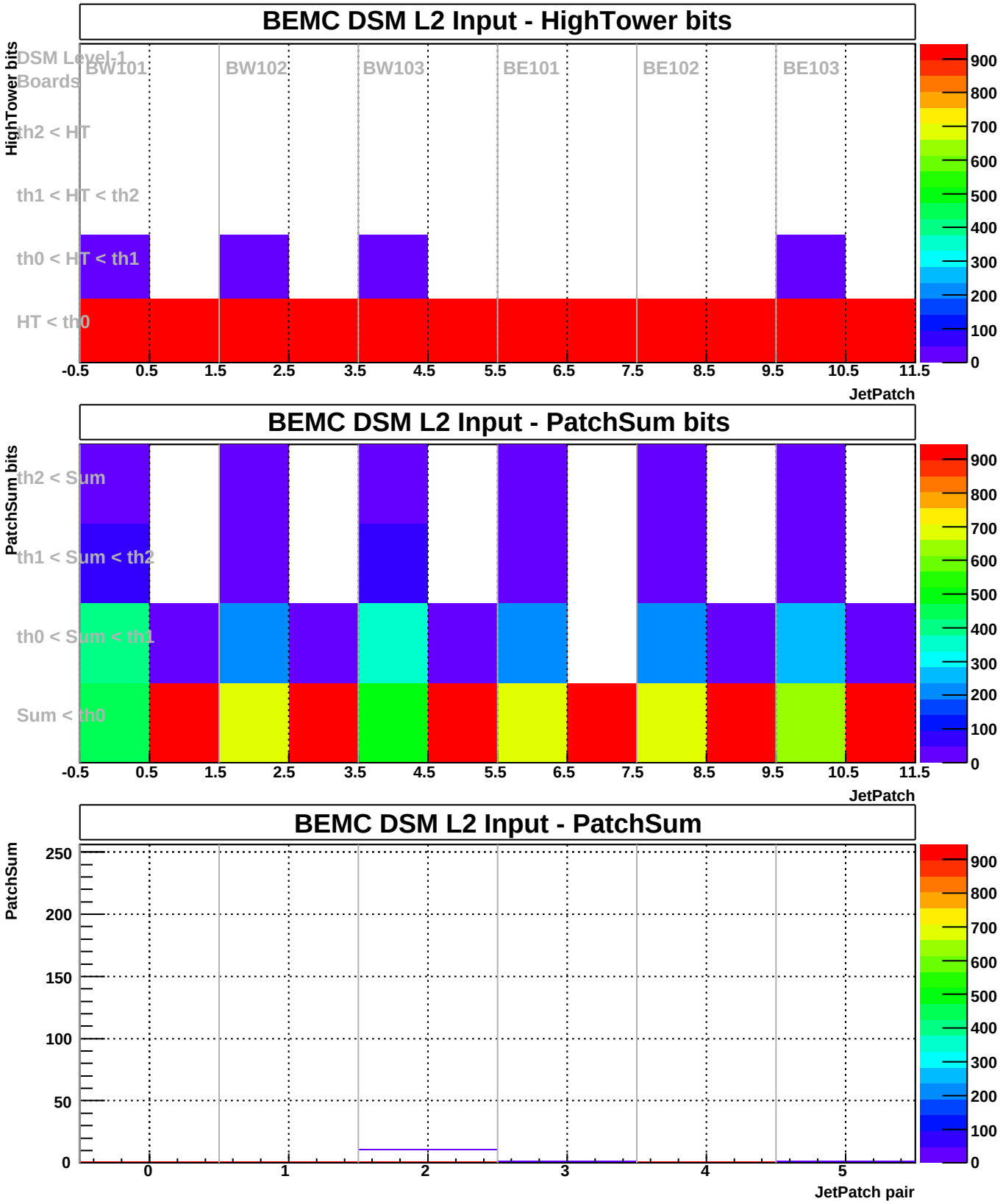

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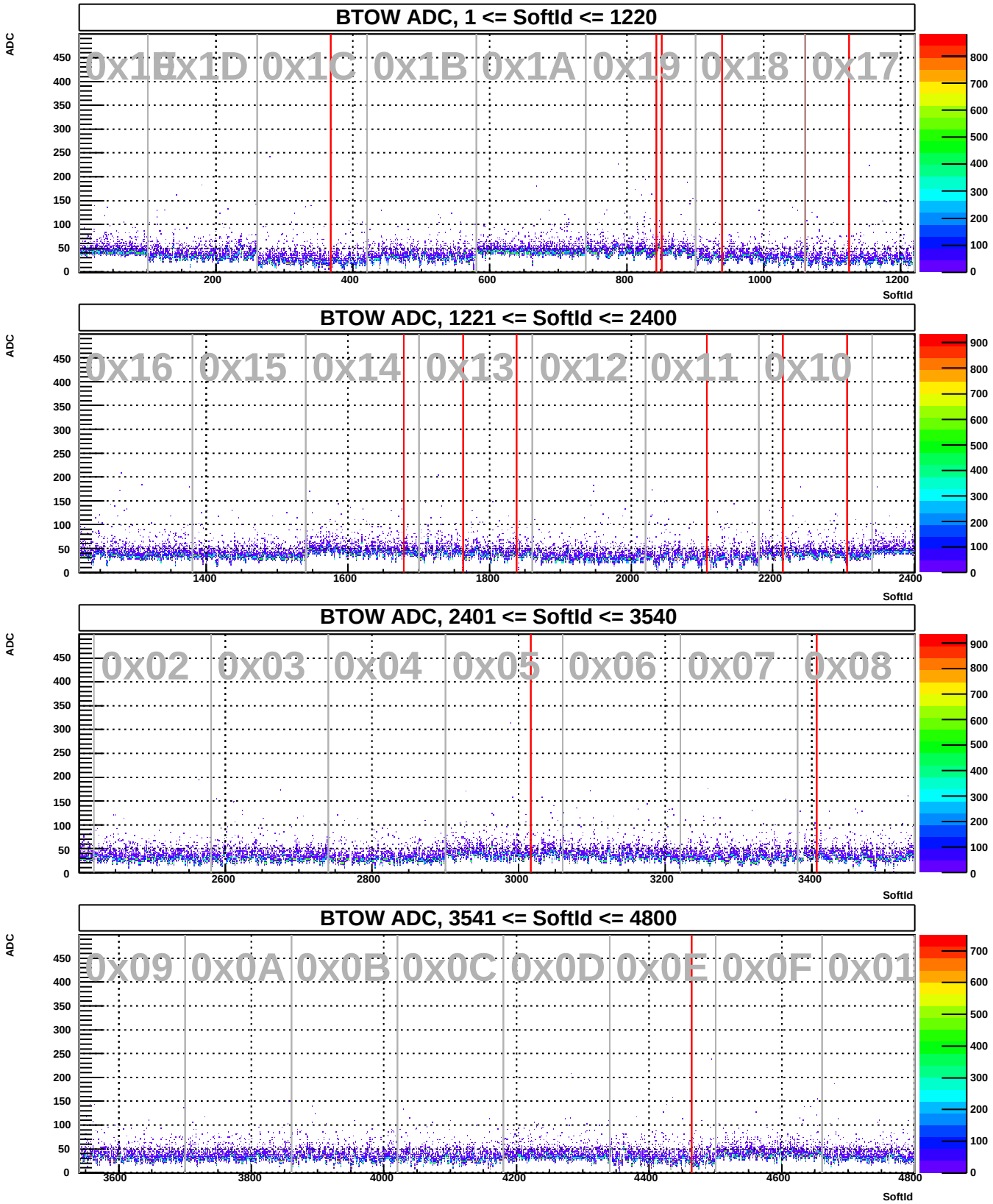

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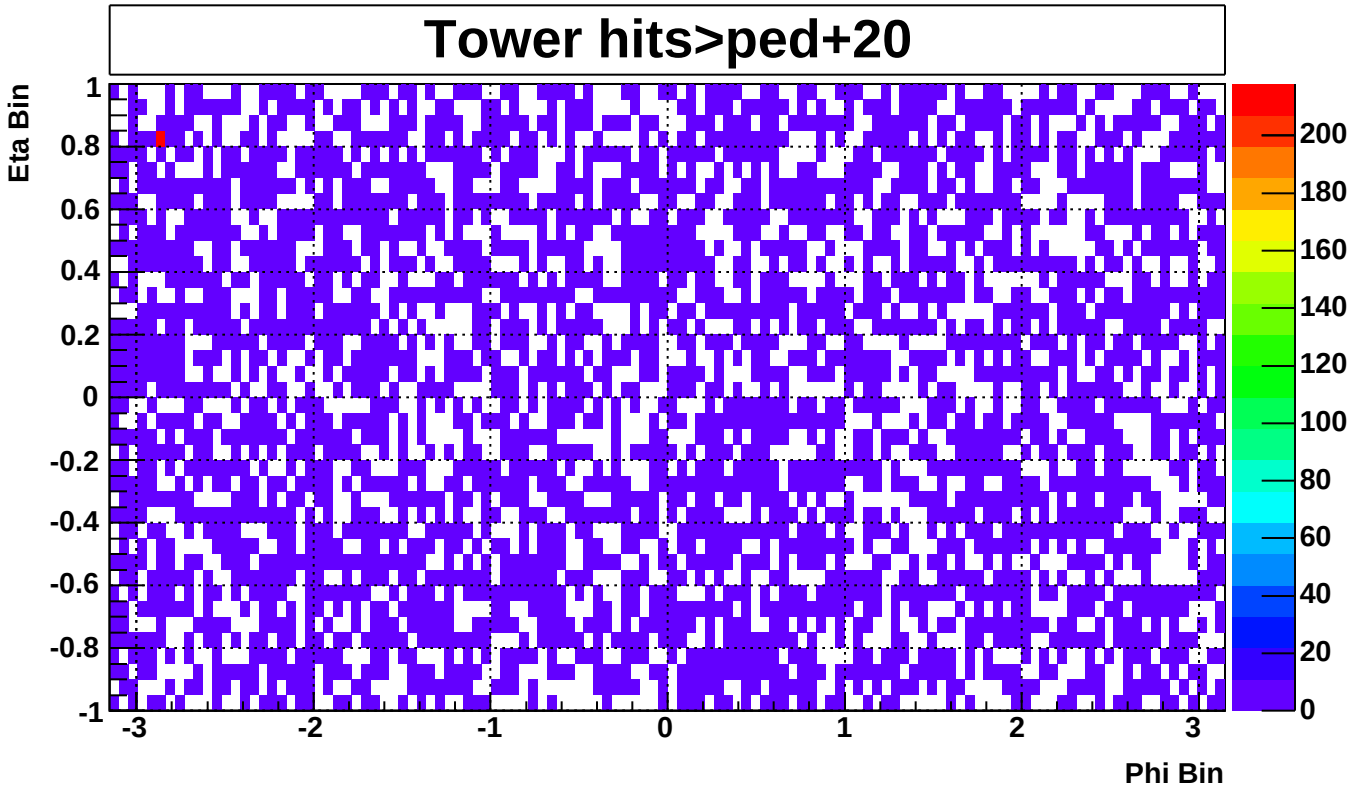

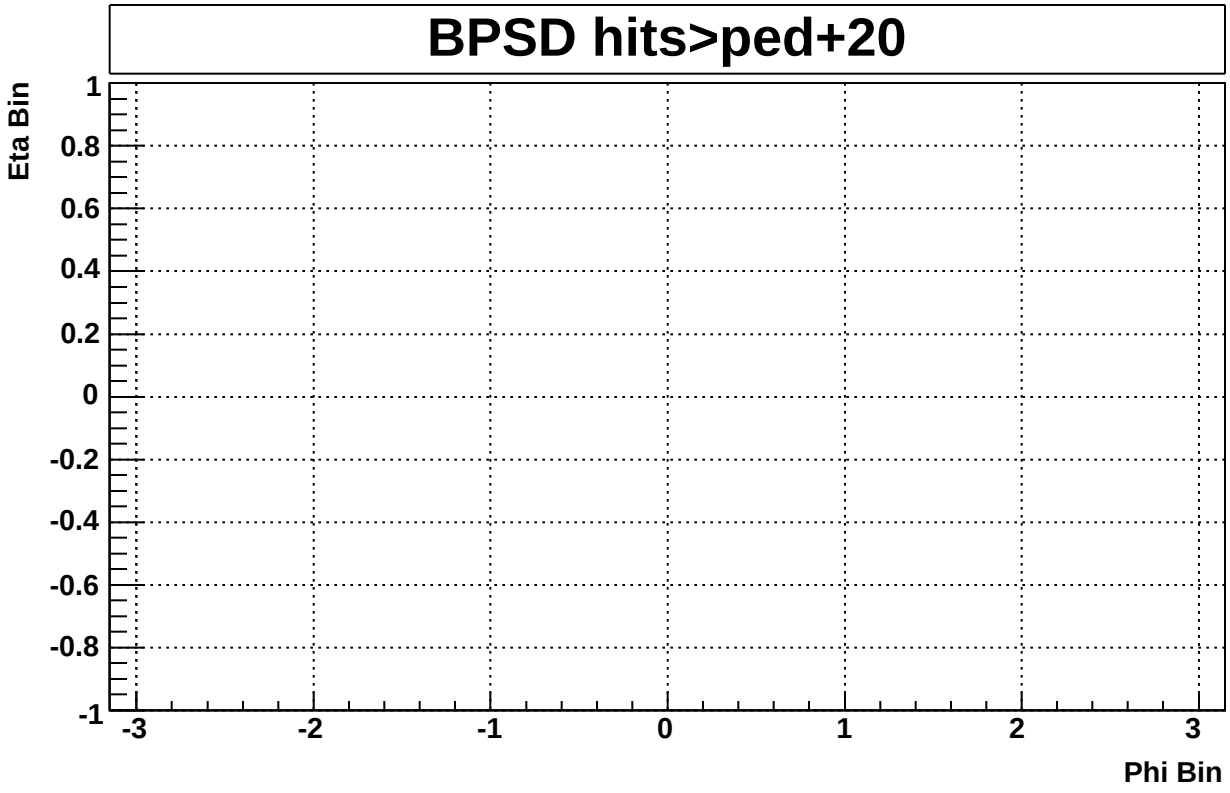

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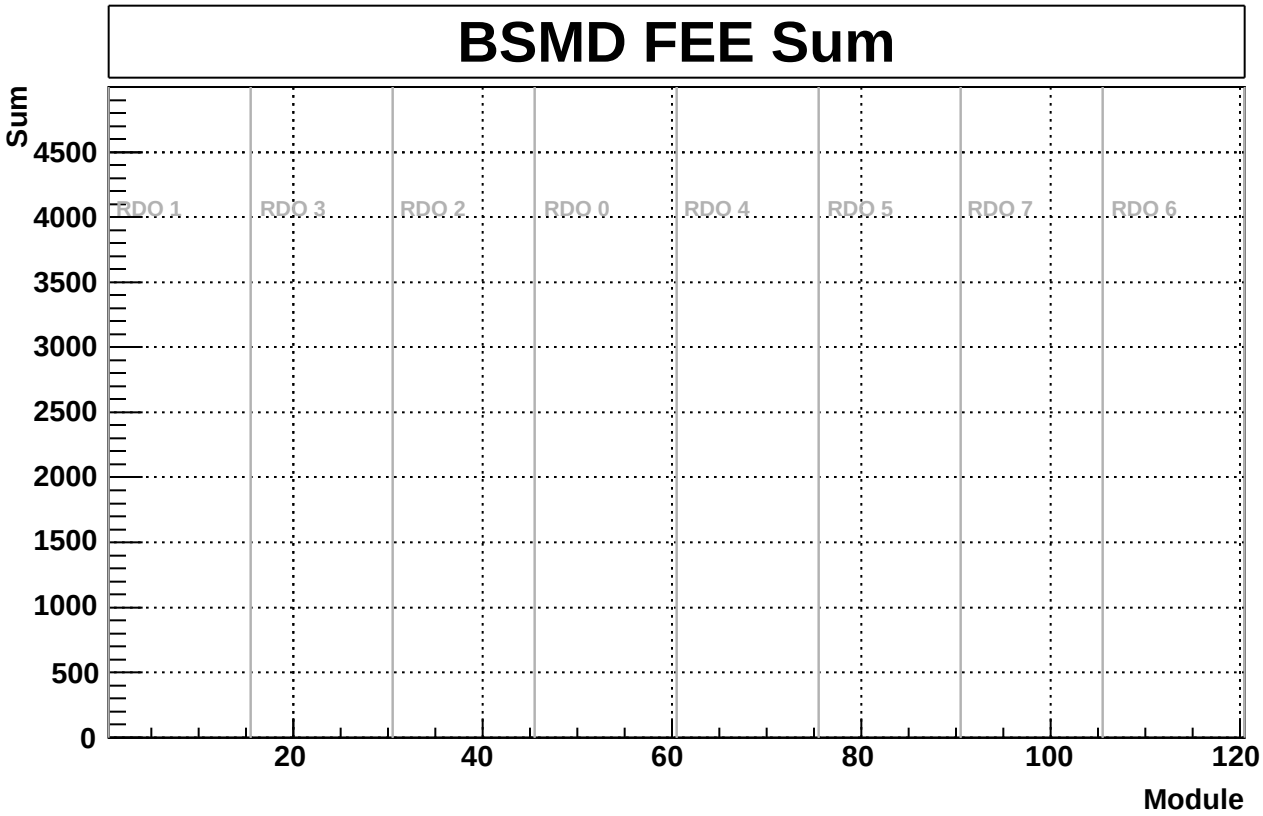

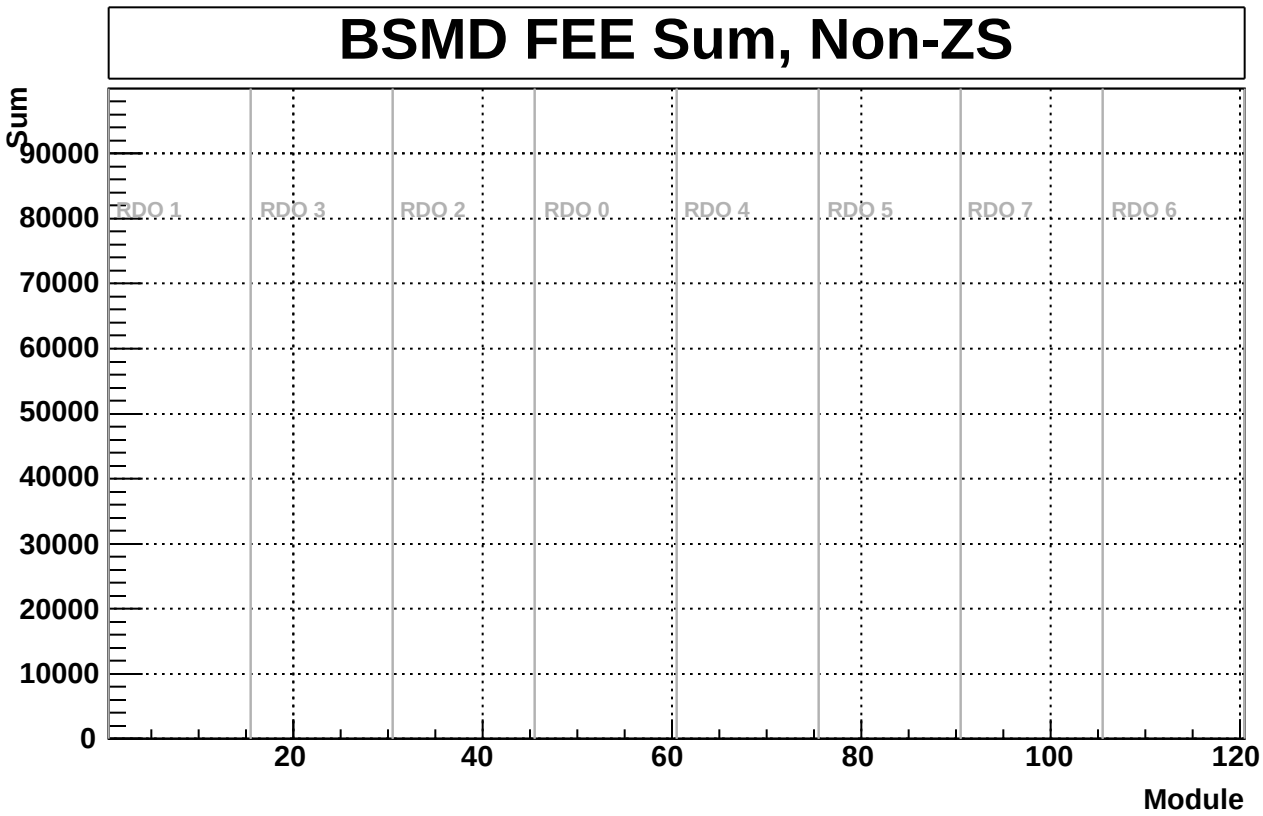

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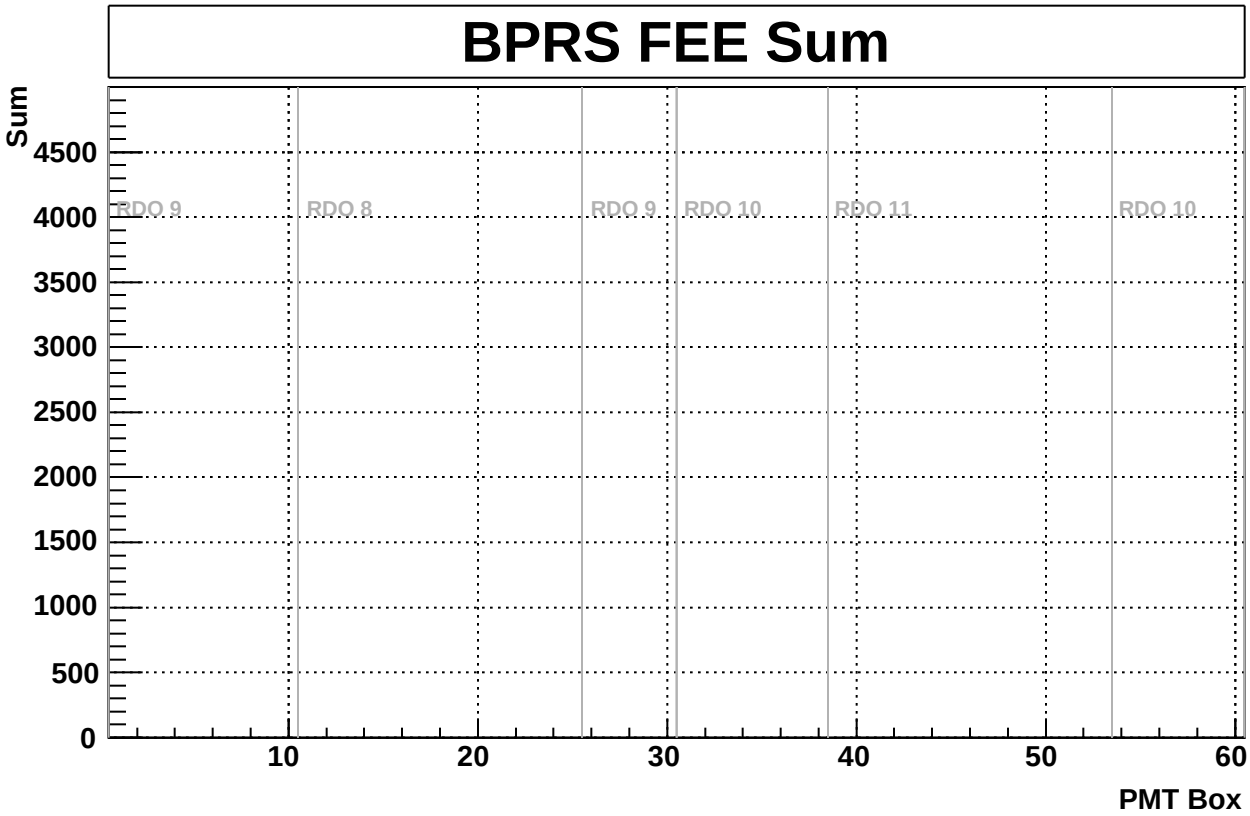

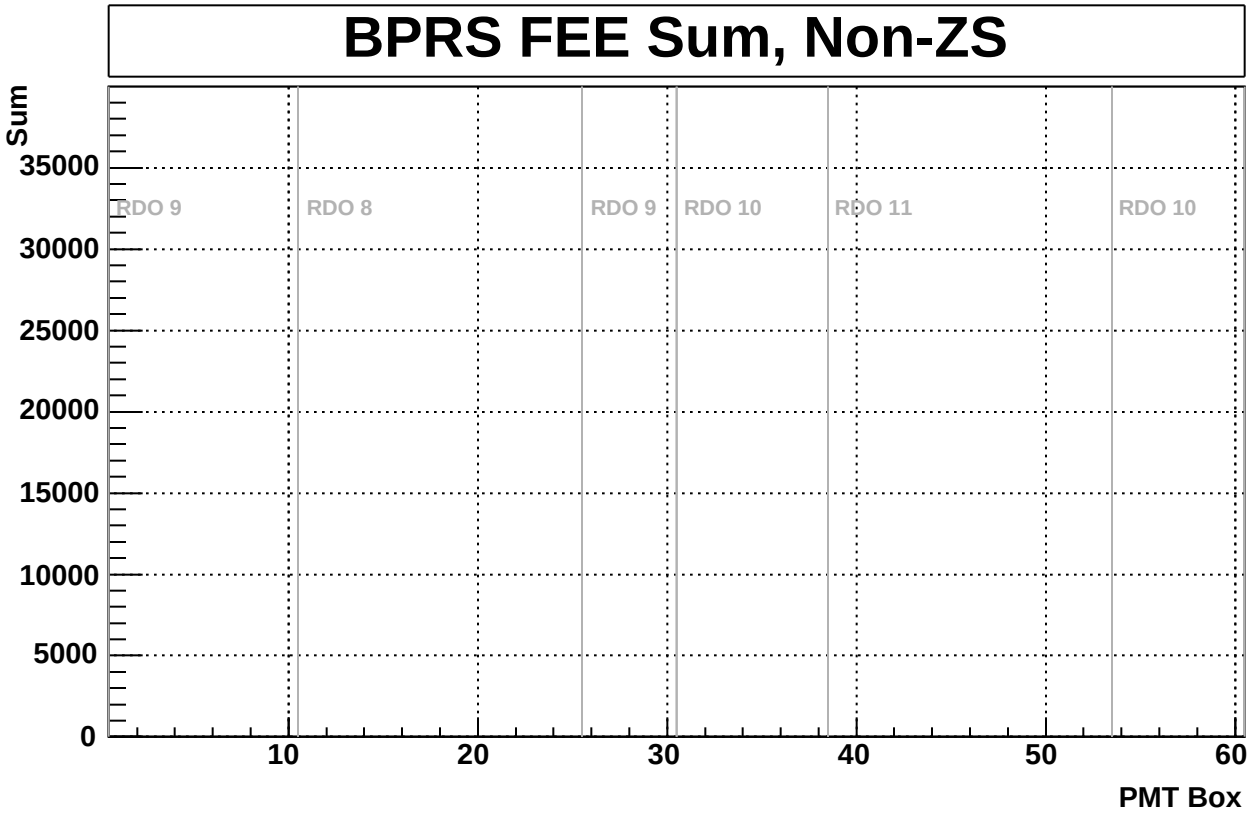

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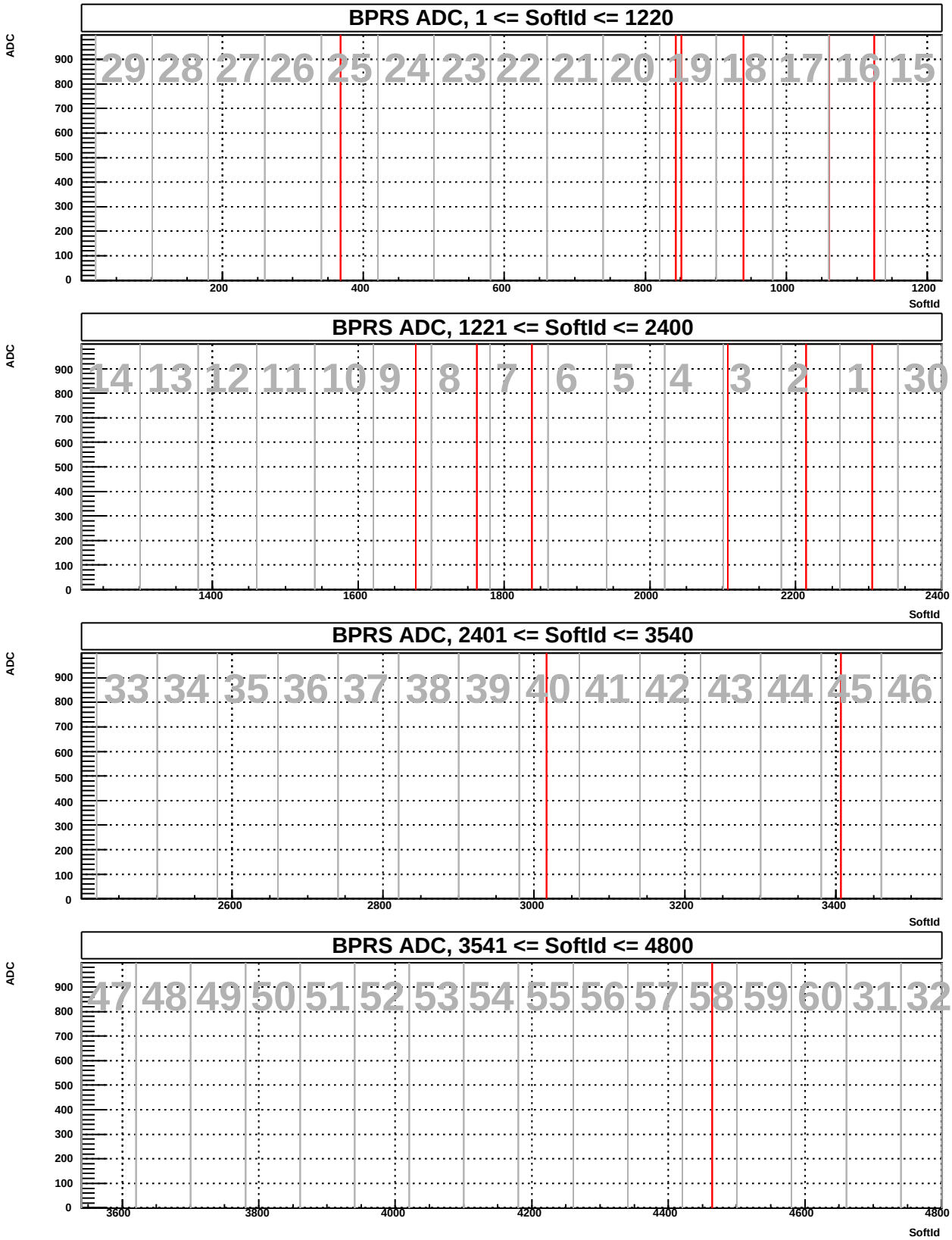

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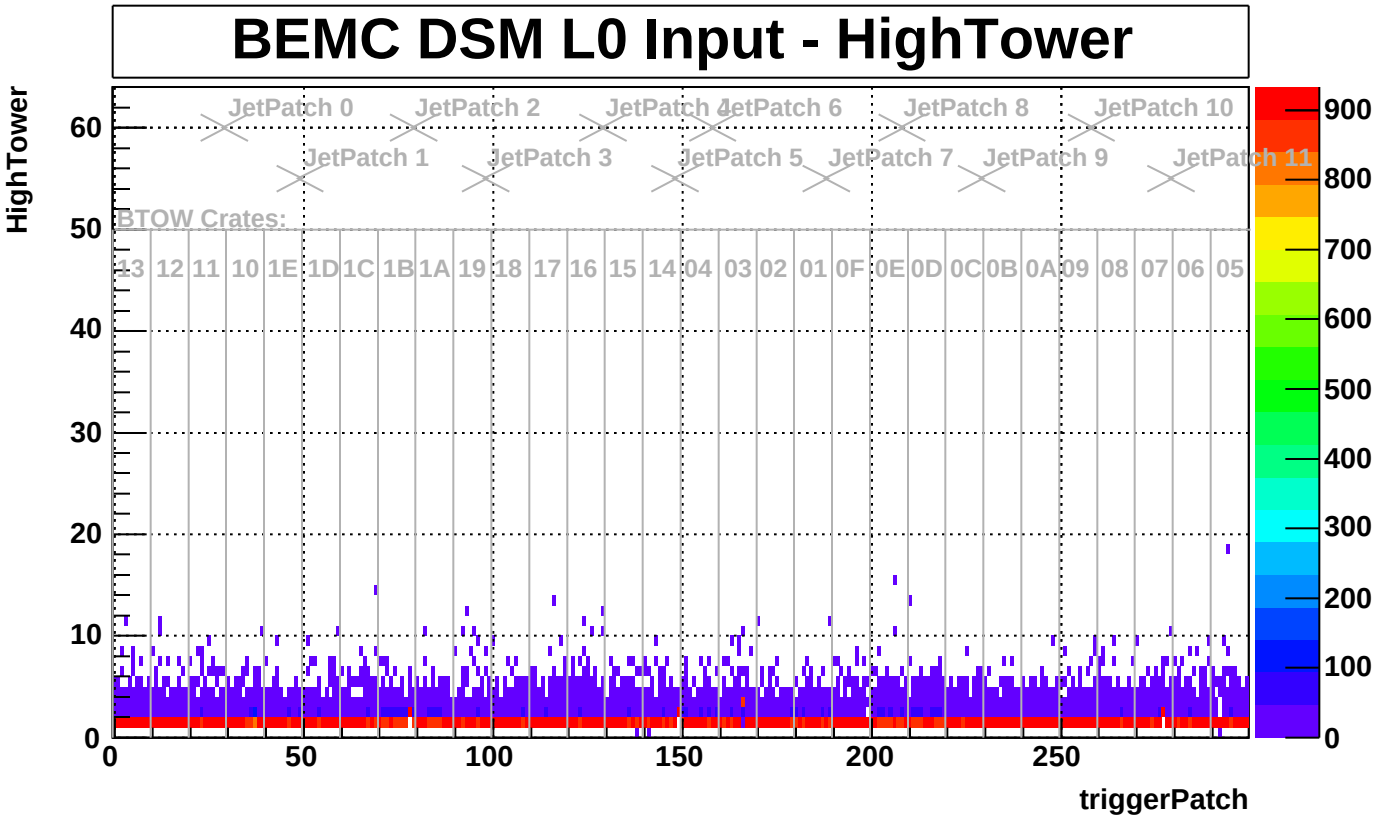

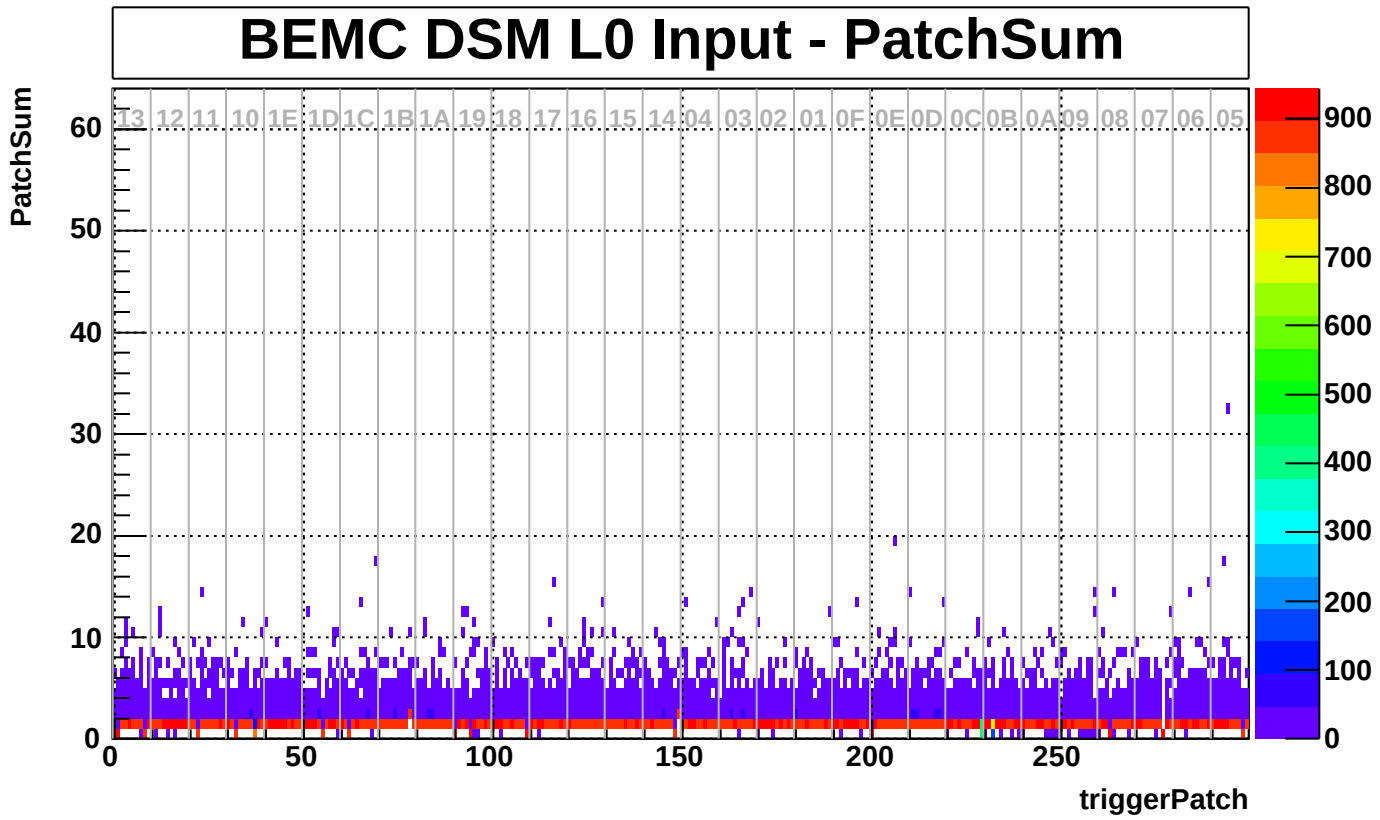

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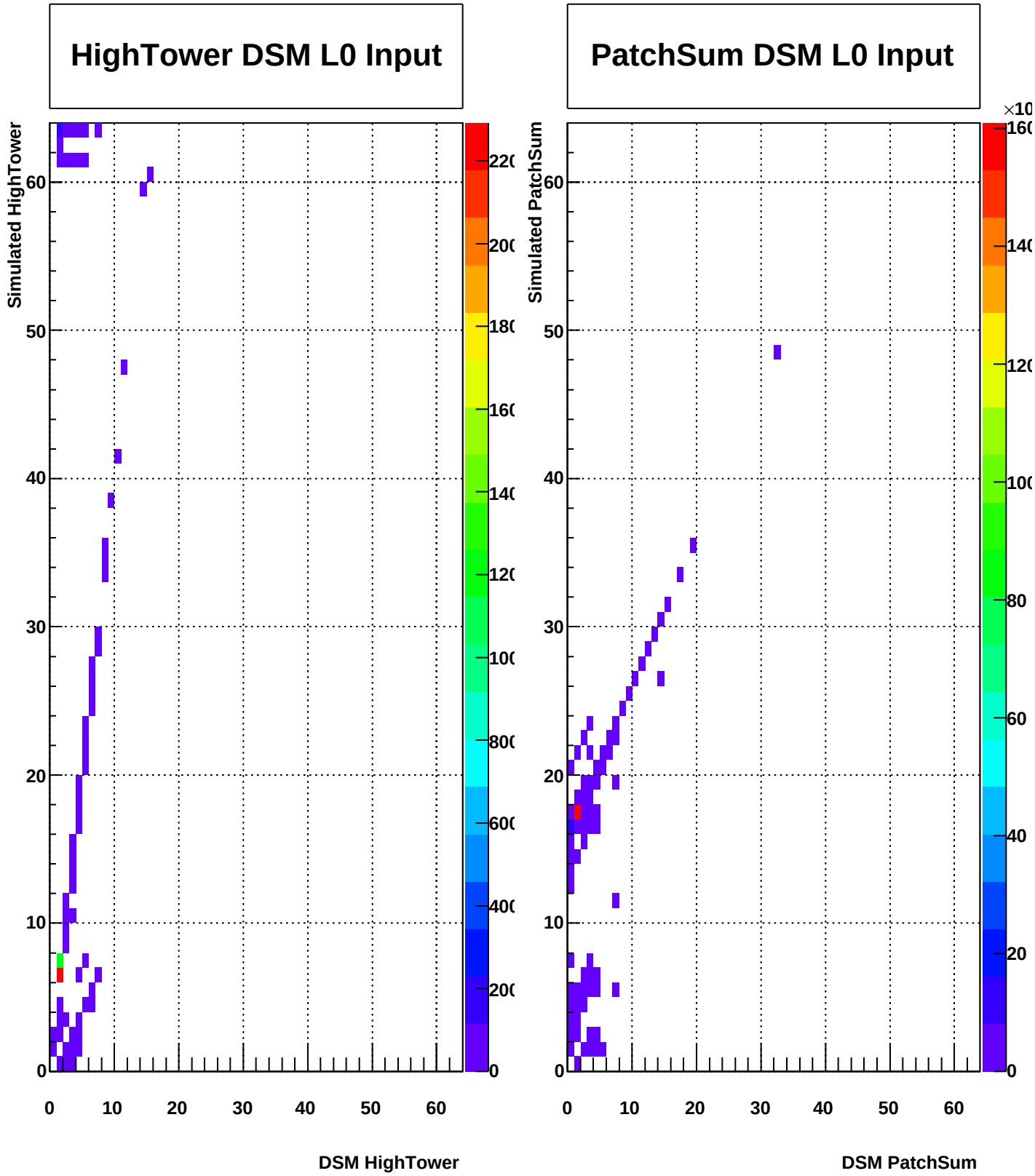

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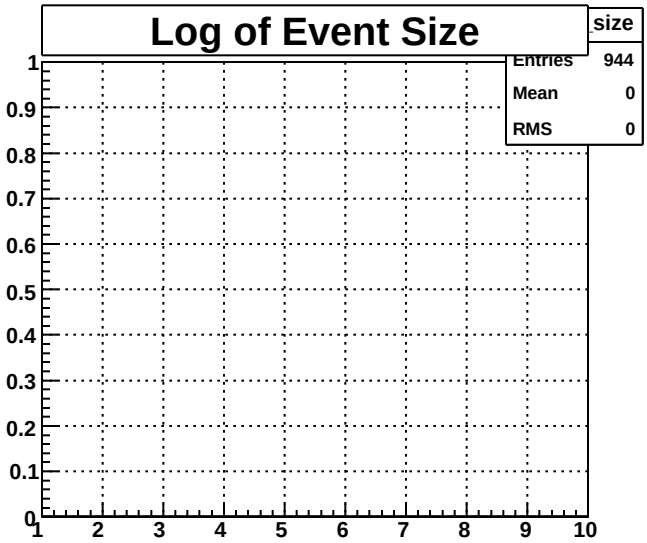
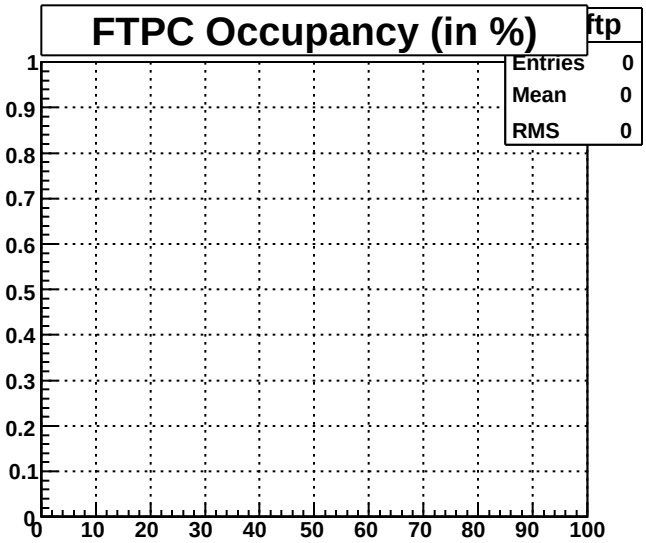
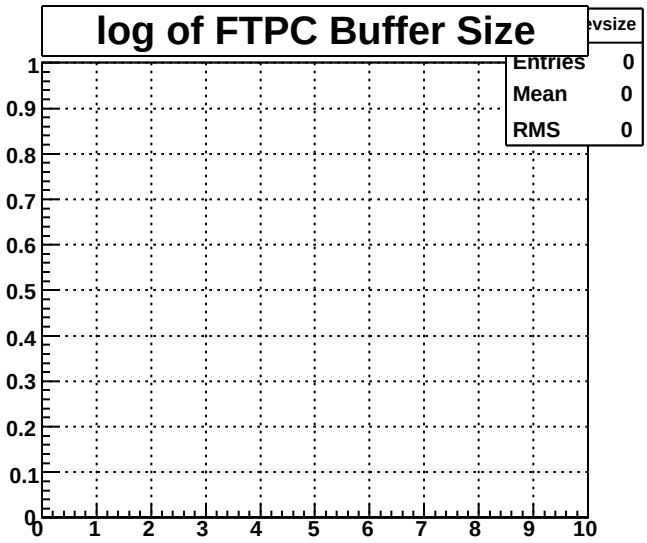
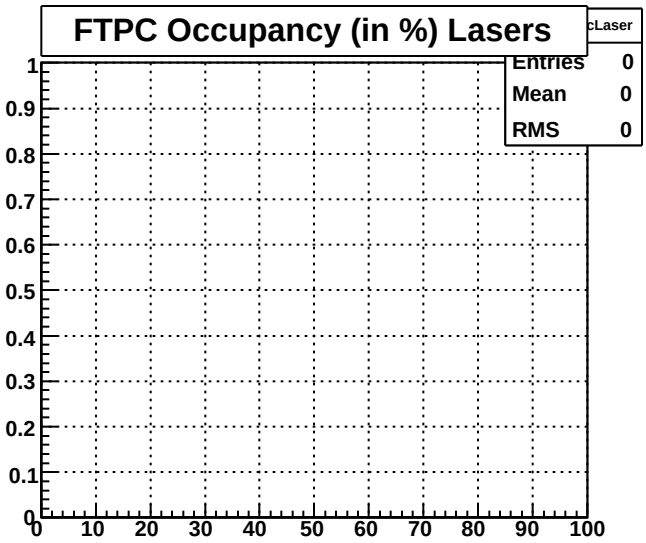
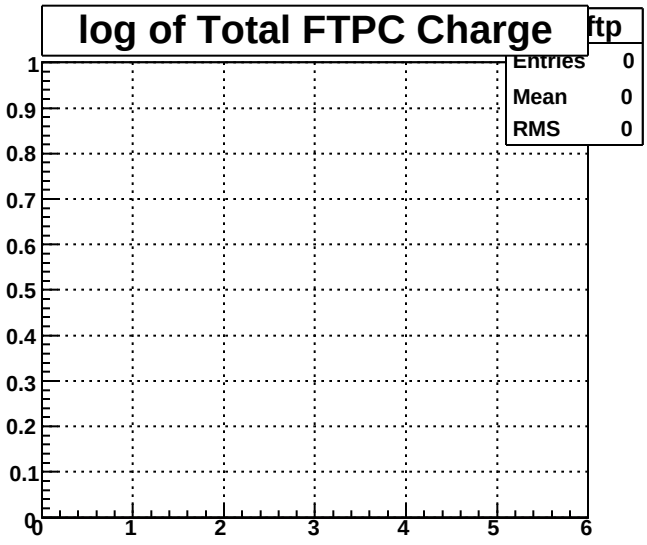
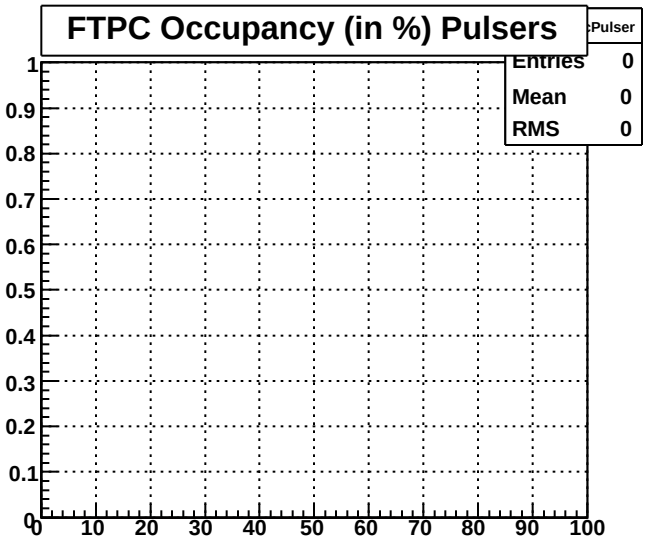

Log of Event Size
size
Entries 944
Mean 0
RMS 0

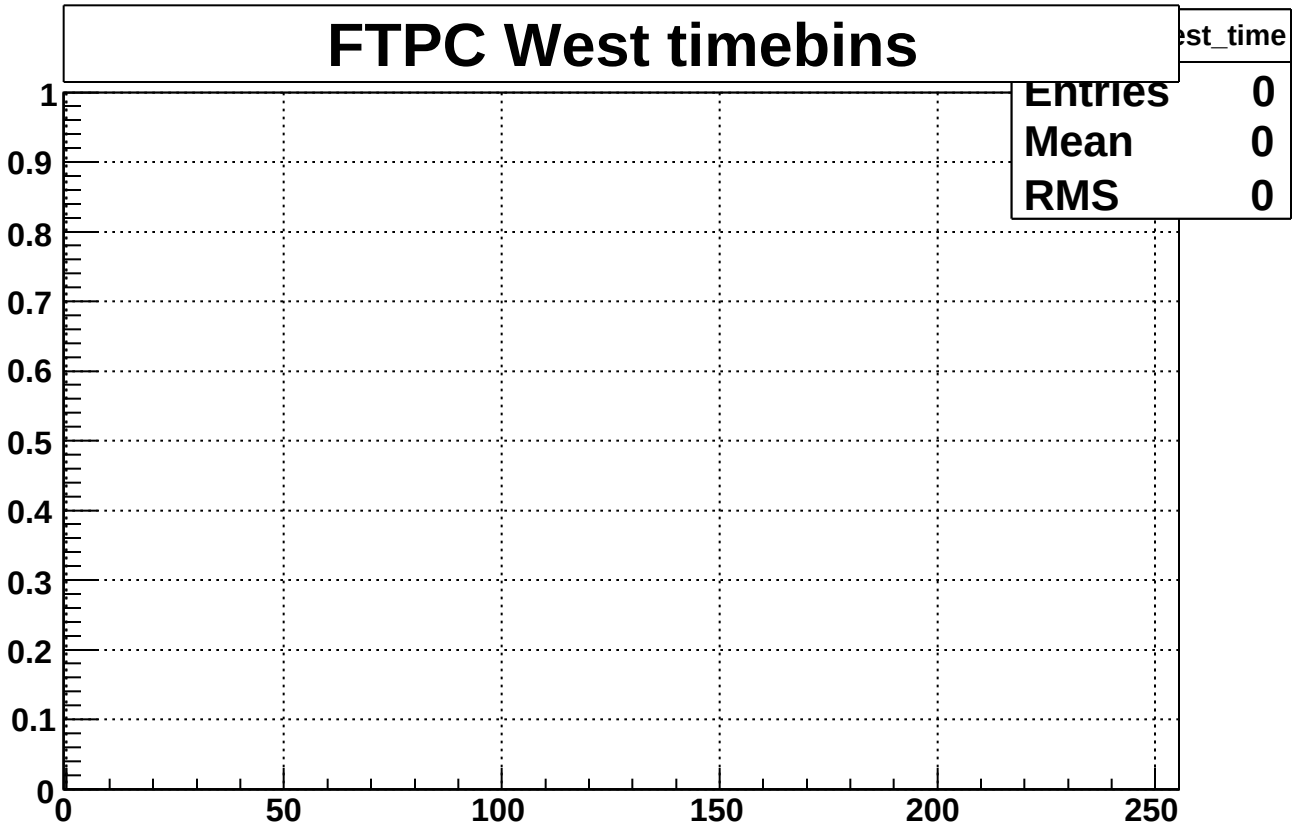

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

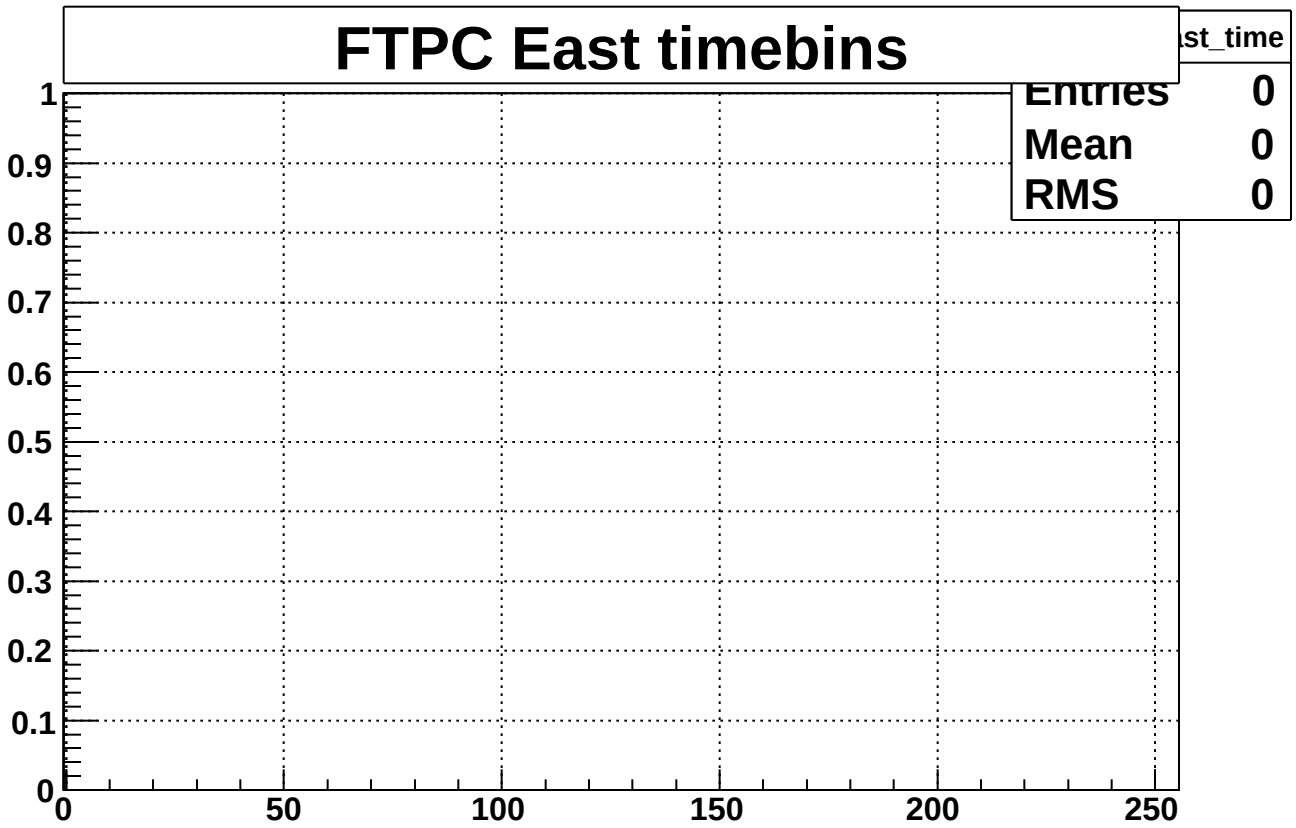

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

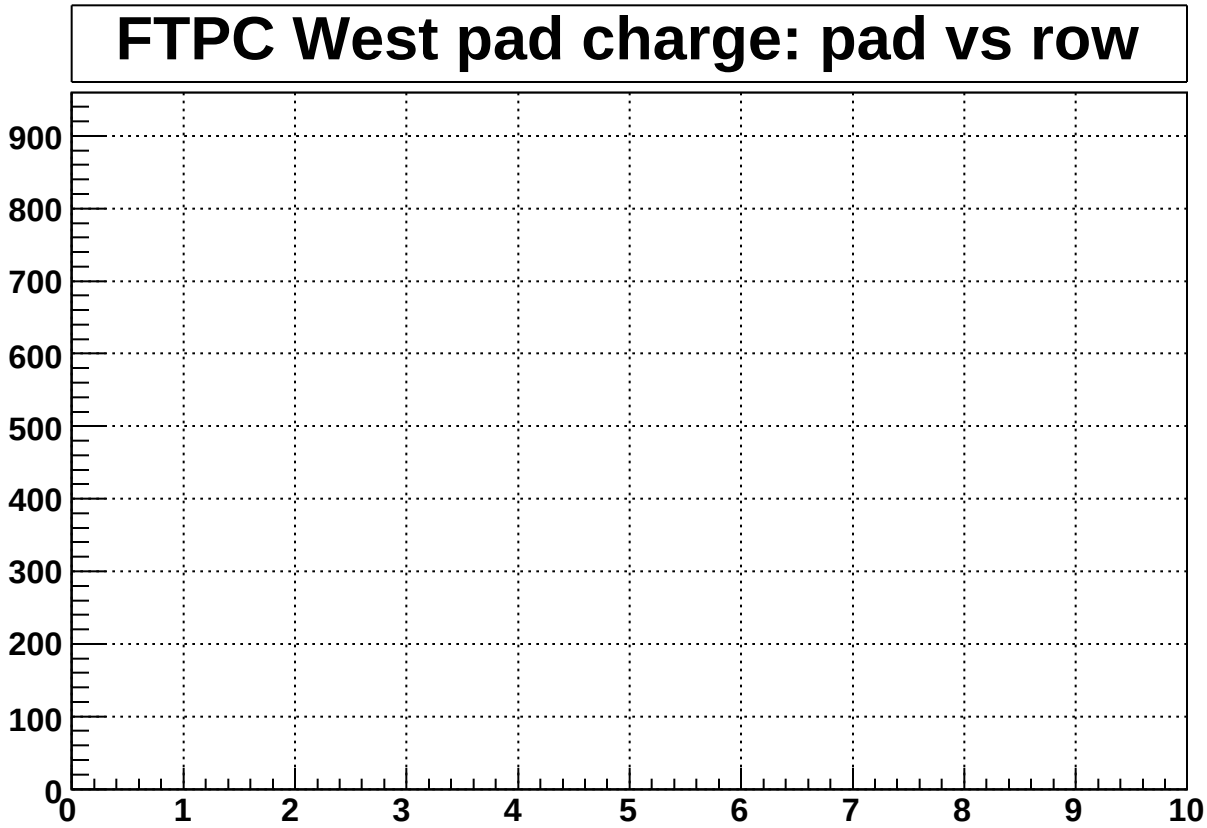

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

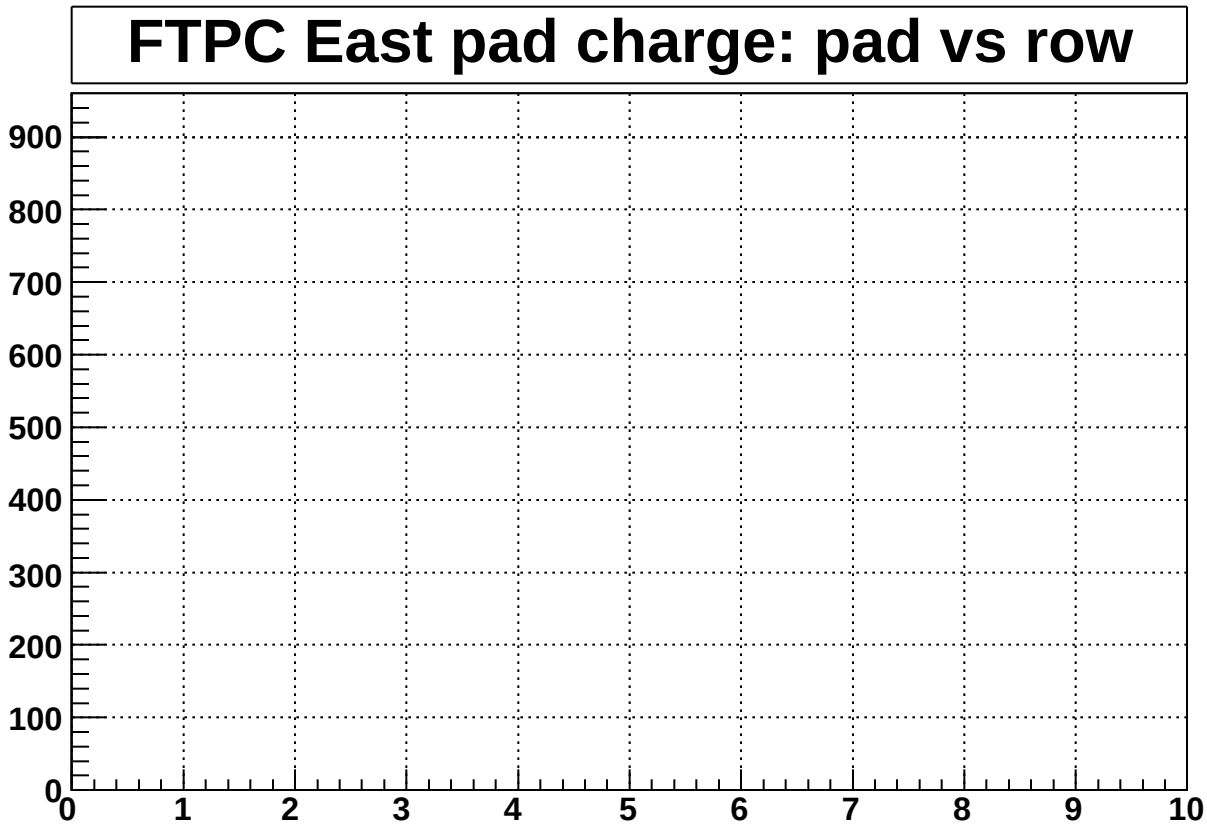

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

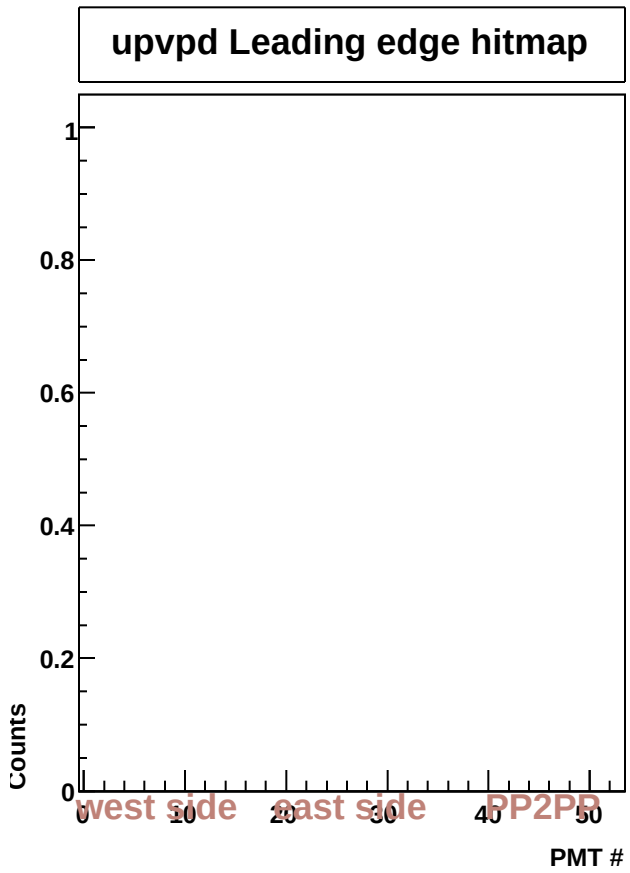

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

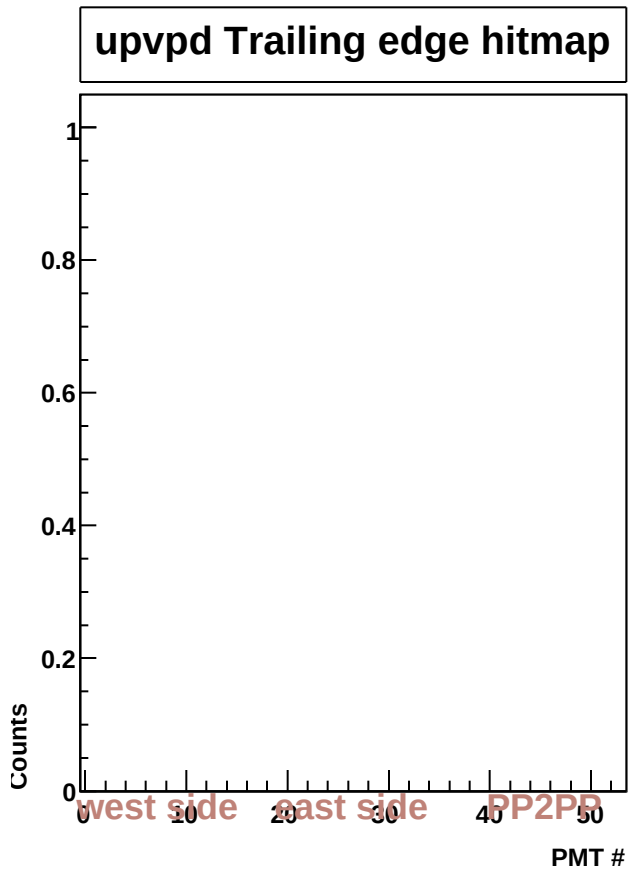

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

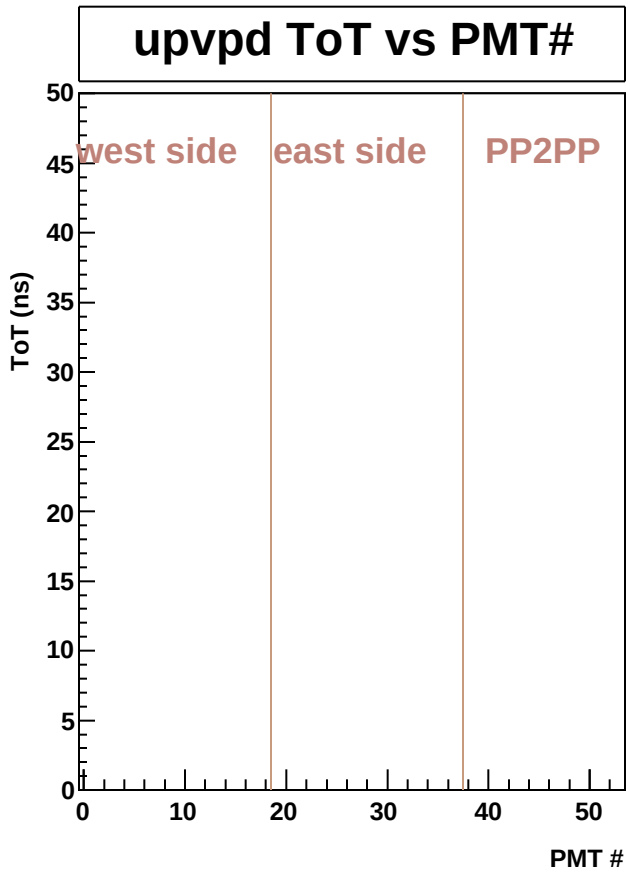

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

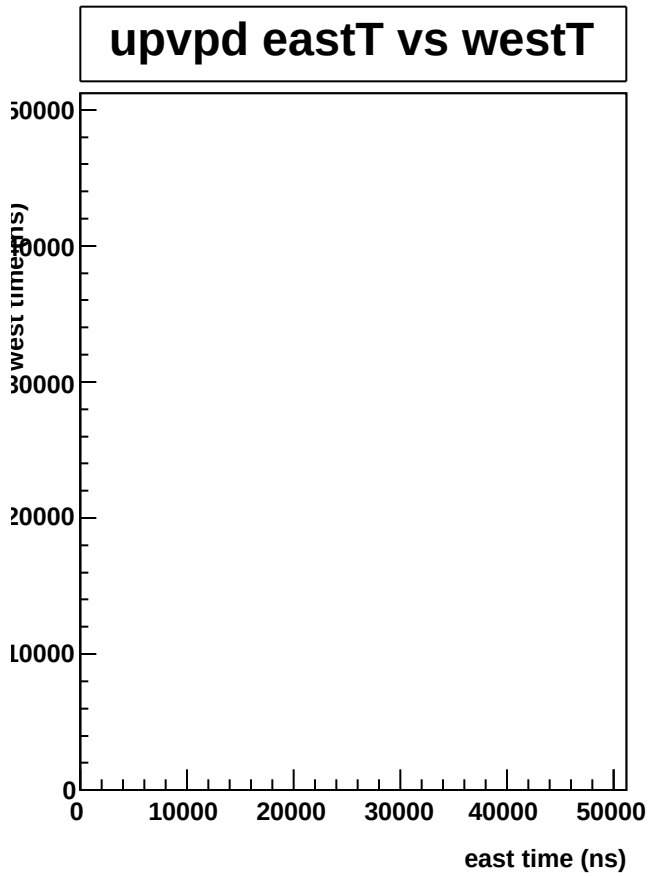

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

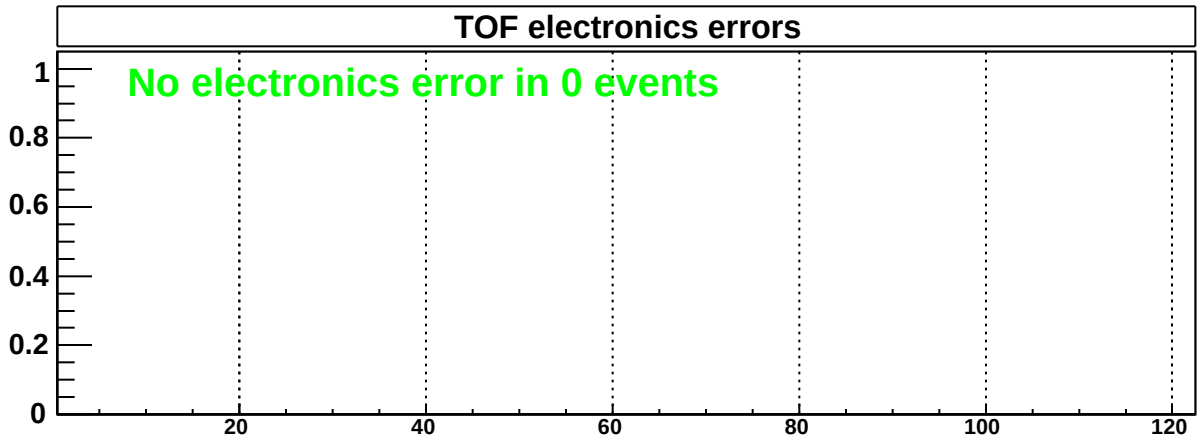

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

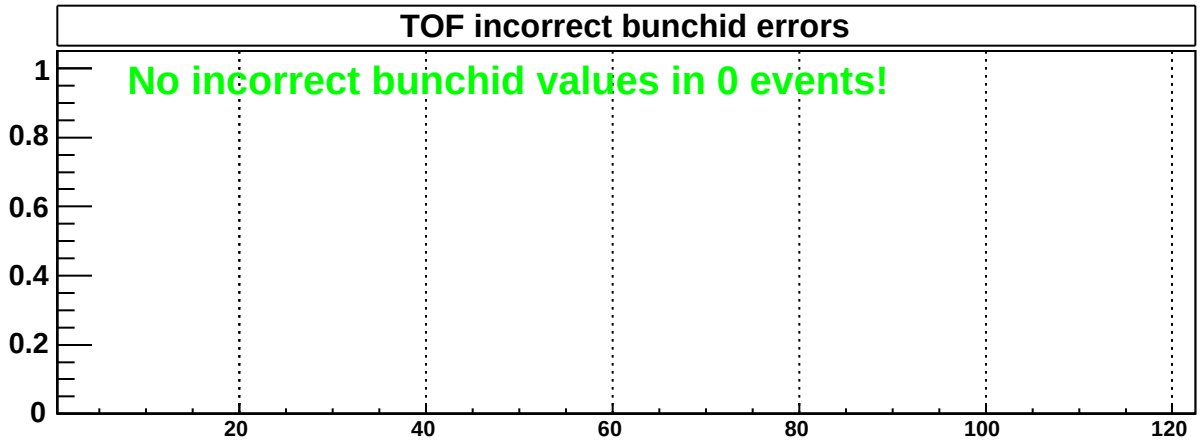

upvpd Leading edge hitmap
Counts
PMT #
west side
east side
PP2PP

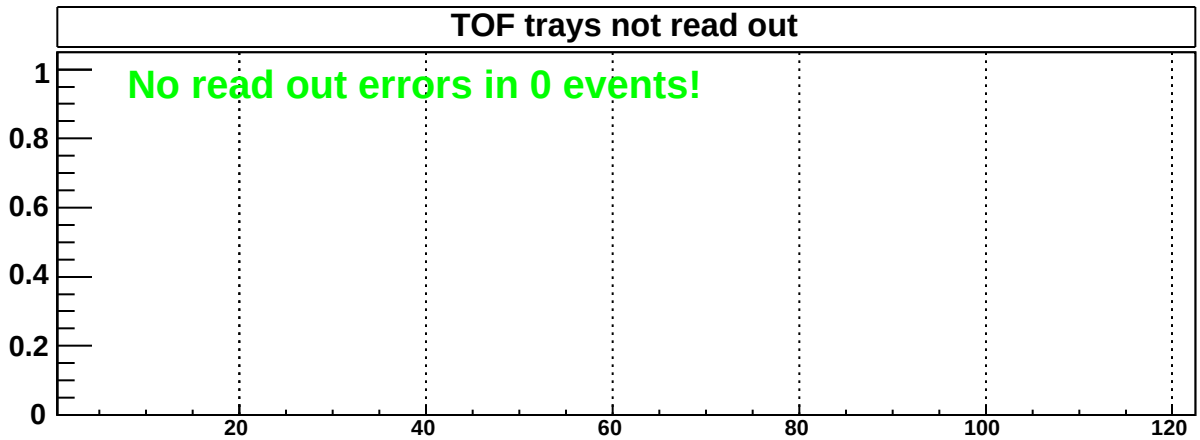

upvpd Trailing edge hitmap
Counts
PMT #
west side
east side
PP2PP

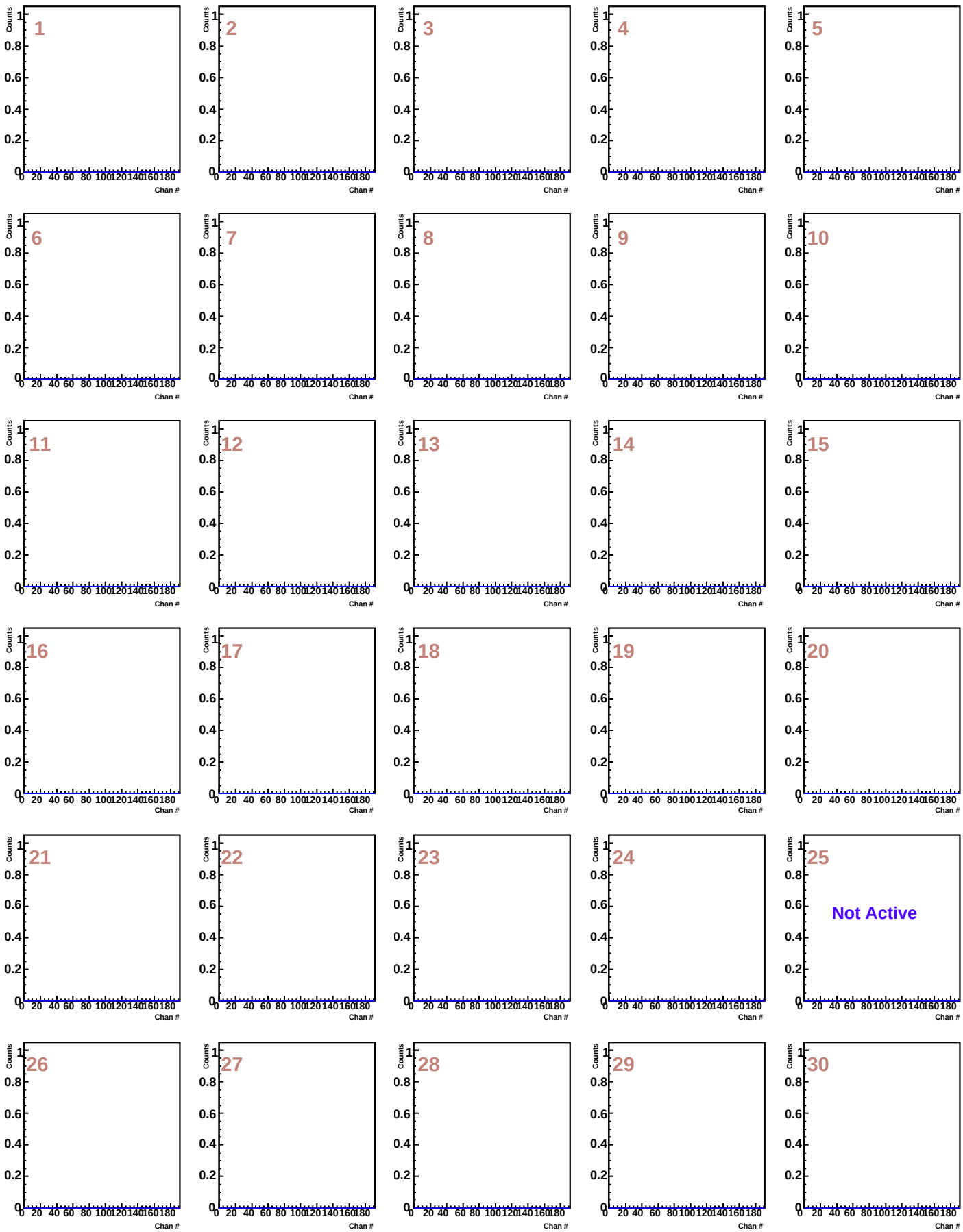

upvpd ToT vs PMT#
ToT (ns)
PMT #
west side
east side
PP2PP


upvpd eastT vs westT
east time (ns)


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


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


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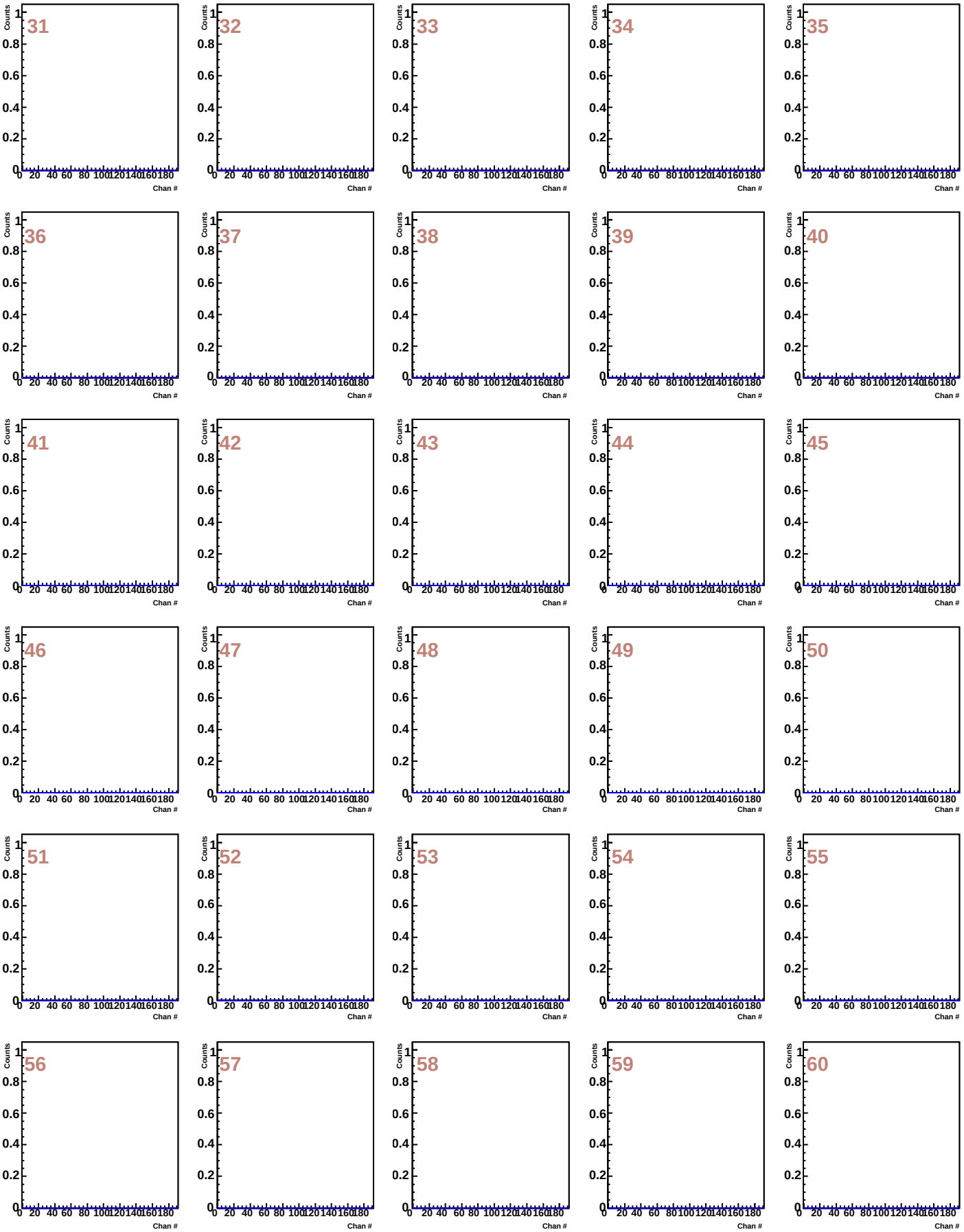
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #


31
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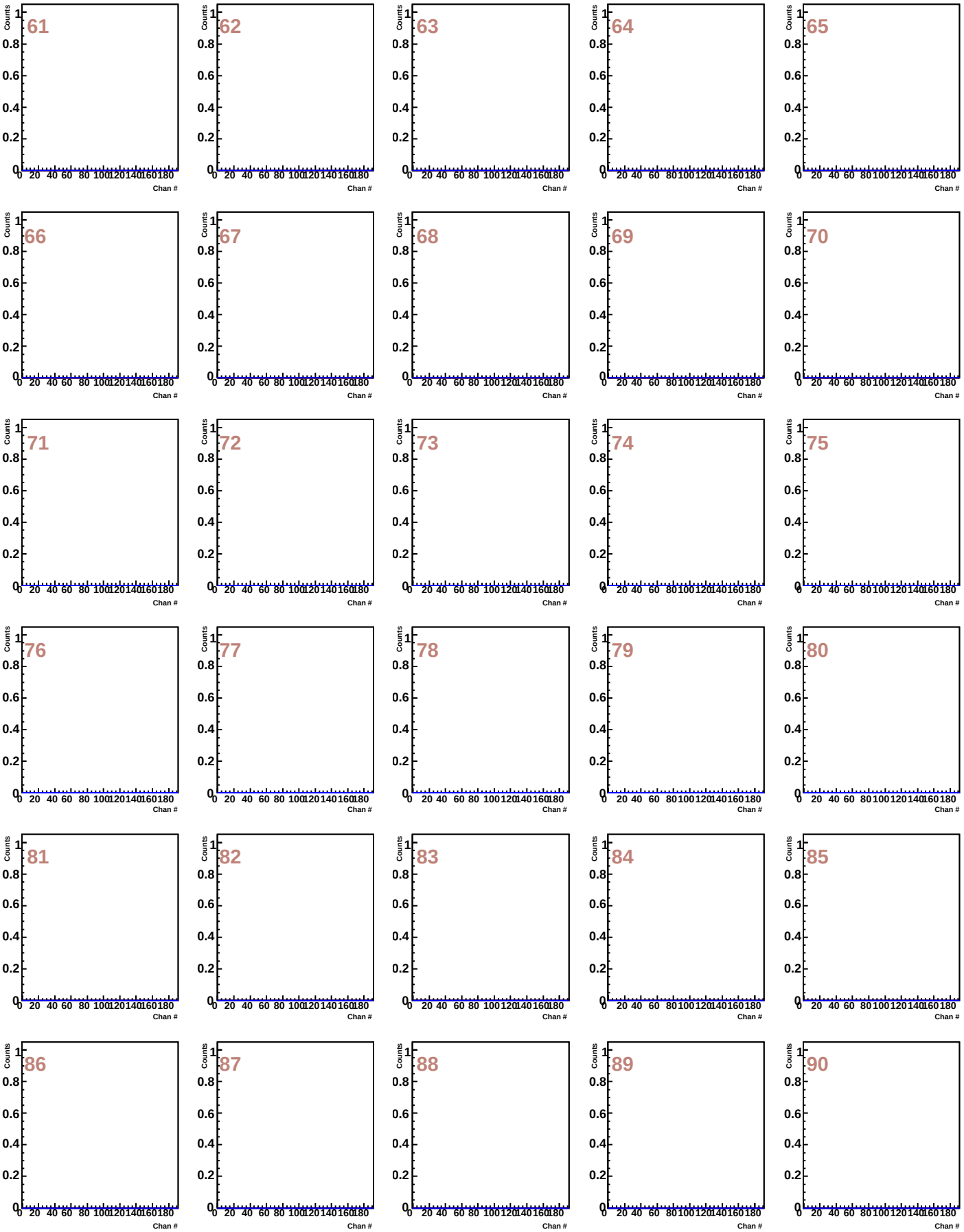
51
52
53
54
55
56
57
58
59
60
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


61
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81
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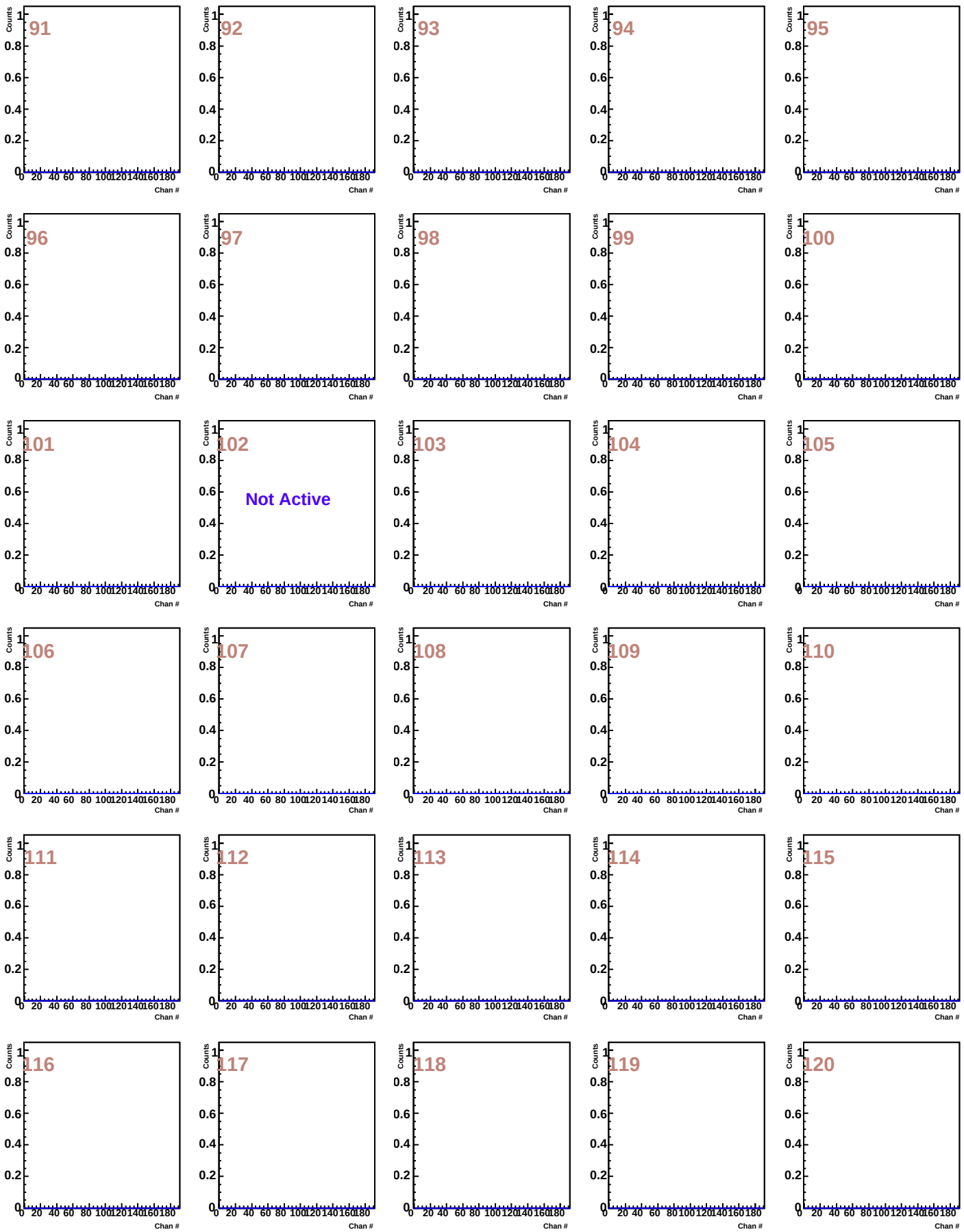
84
85
86
87
88
89
90
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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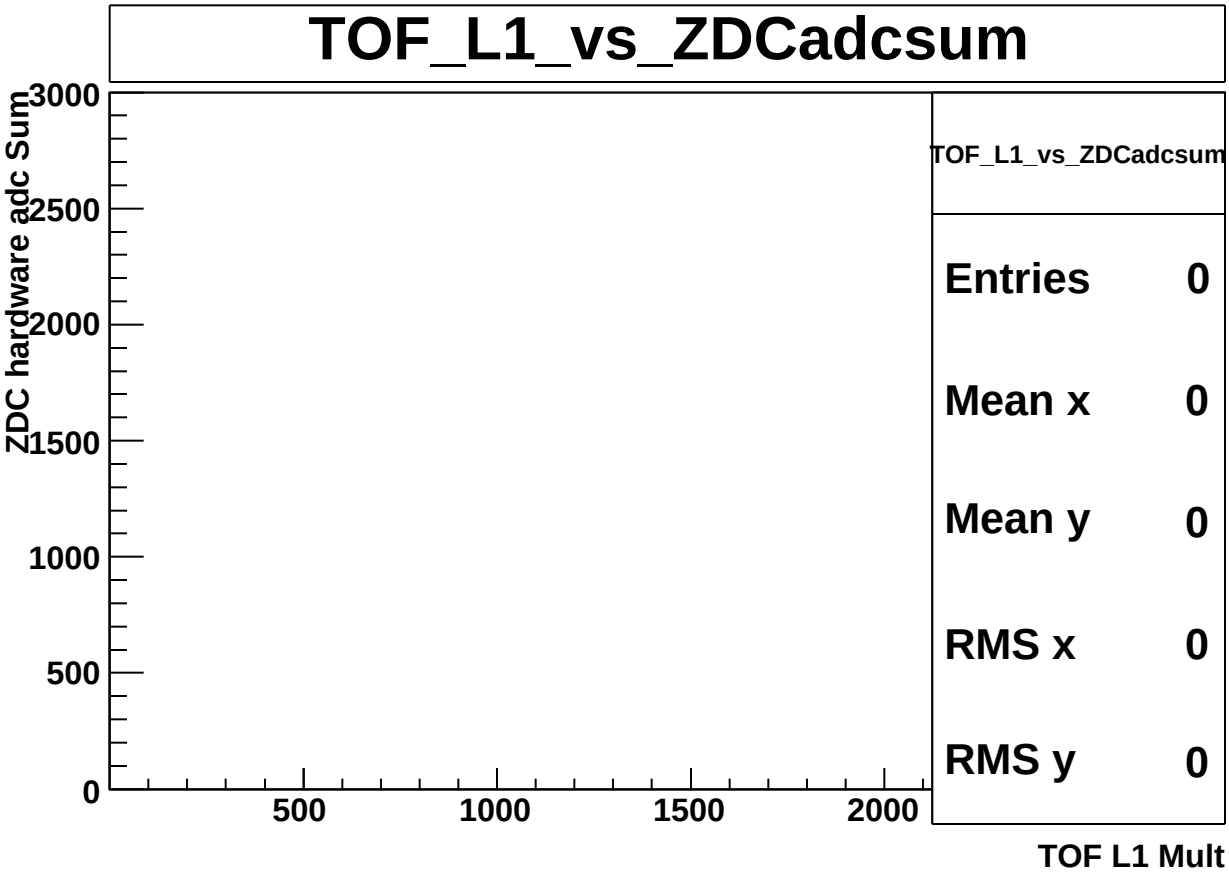
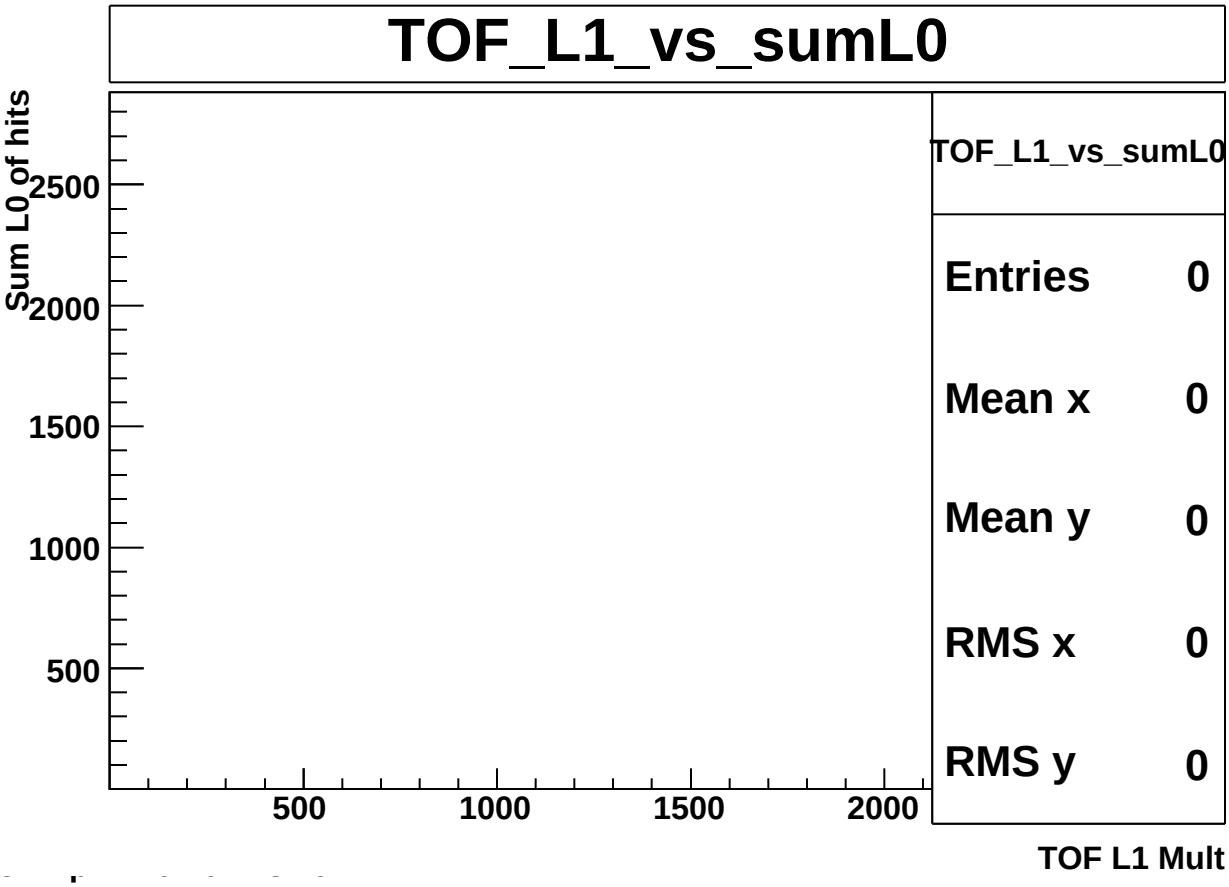
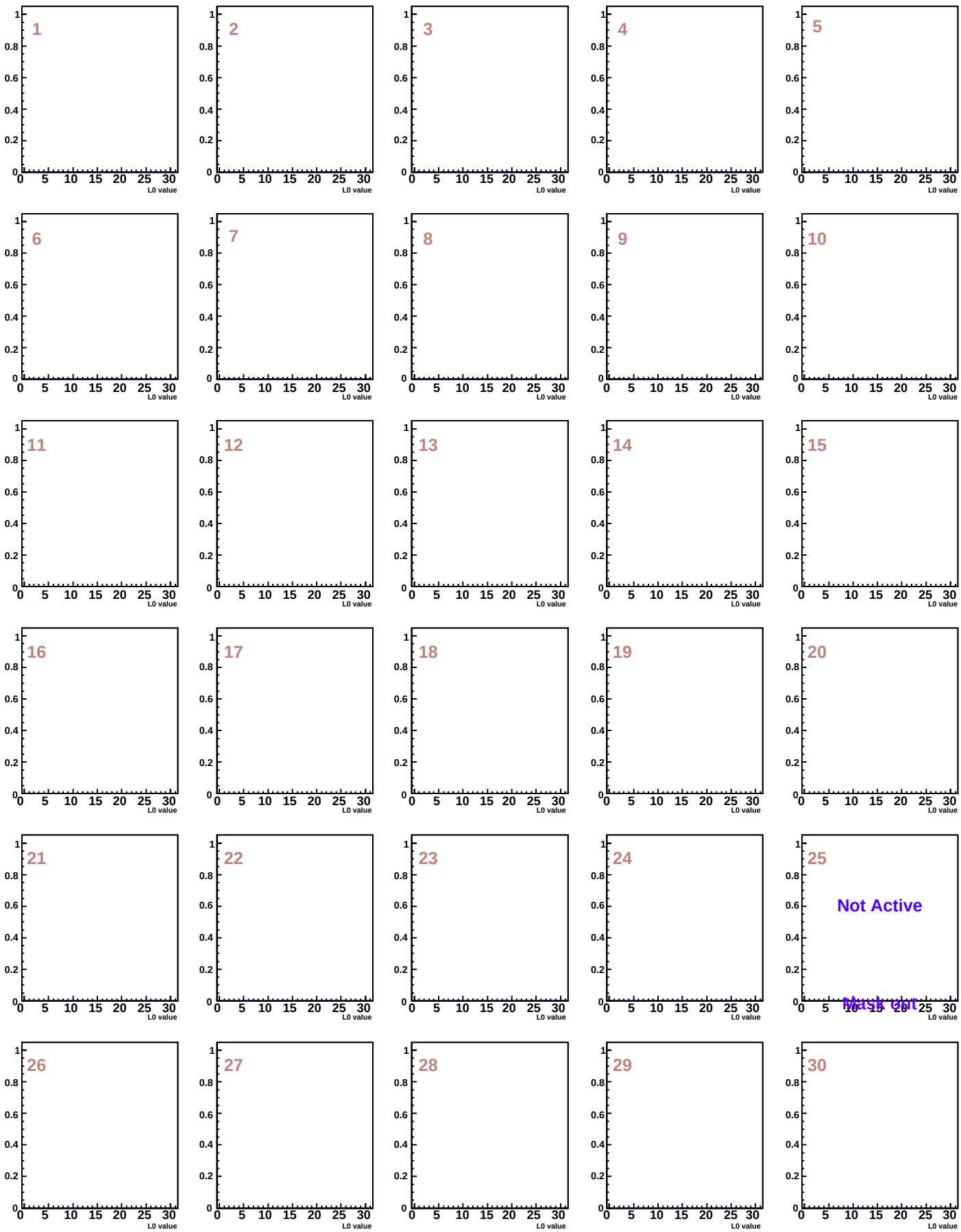
99
100
101
102
Not Active
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
Counts
Chan #


TOF_L1_vs_ZDCadcsum
ZDC hardware adc Sum
3000
2500
2000
1500
1000
500
0
500
1000
1500
2000
TOF_L1_vs_ZDCadcsum
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
TOF L1 Mult


TOF_L1_vs_sumL0
Sum L0 of hits
2500
2000
1500
1000
500
500
1000
1500
2000
TOF_L1_vs_sumL0
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
TOF L1 Mult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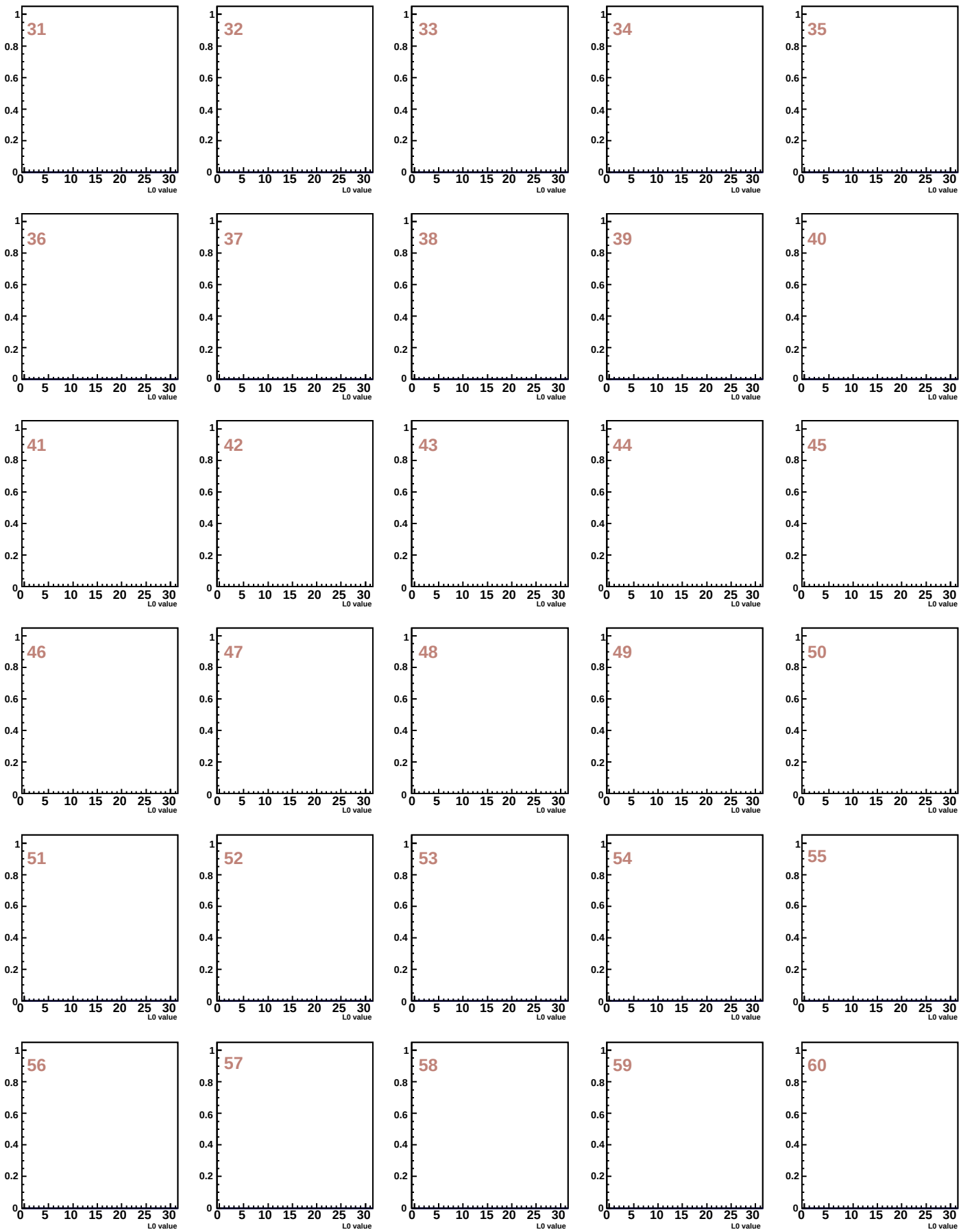
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value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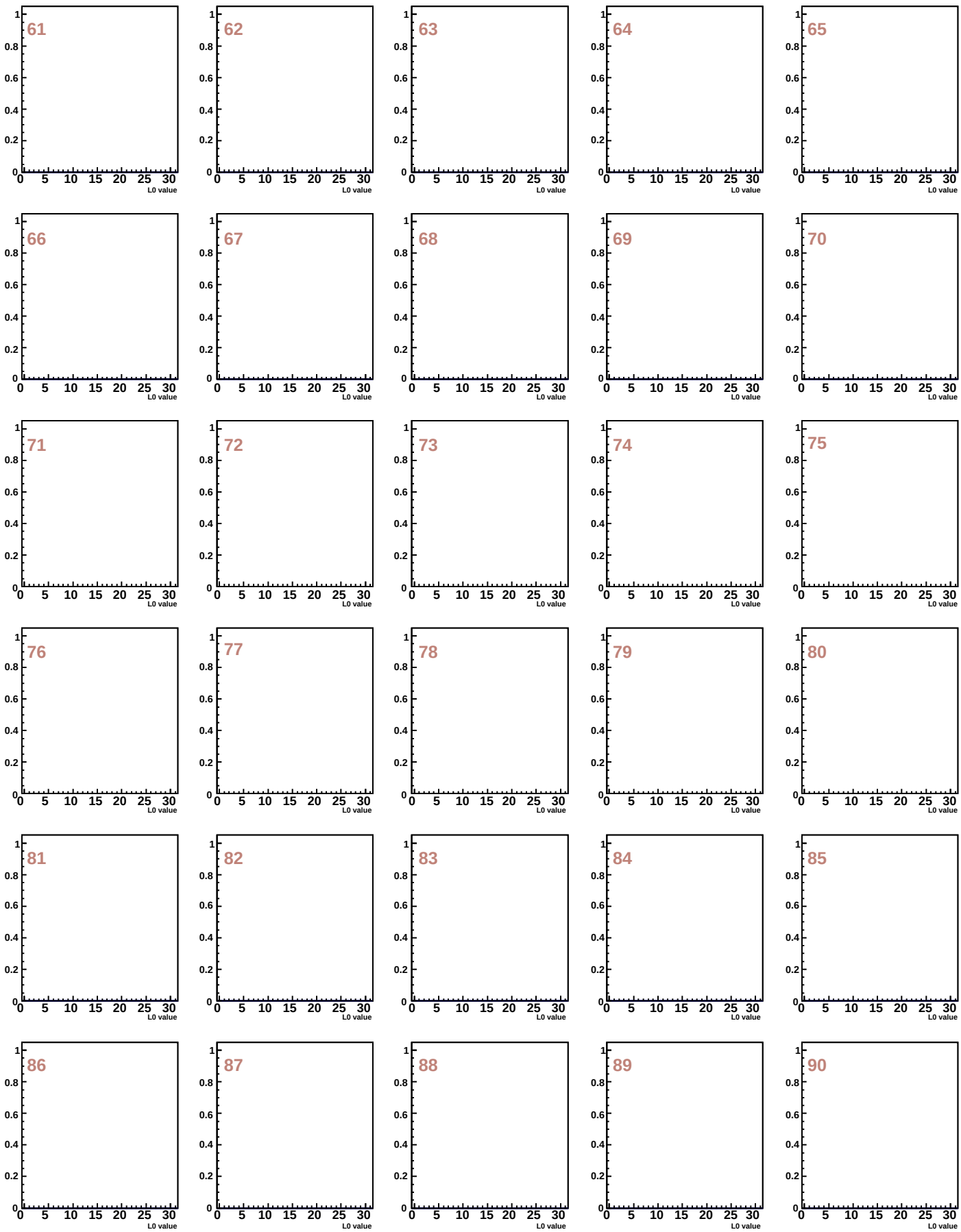
54
55
56
57
58
59
60
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value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81
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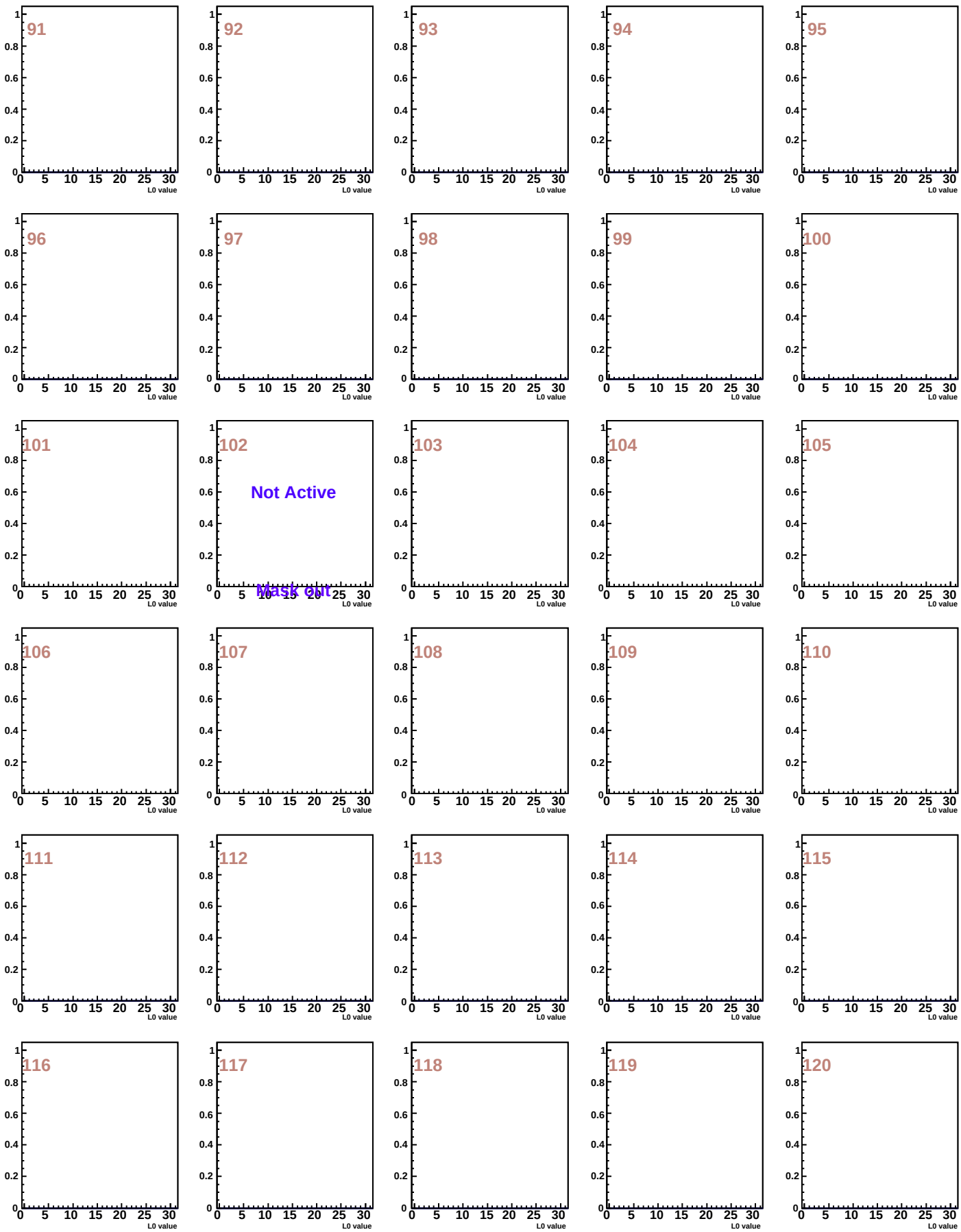
84
85
86
87
88
89
90
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value


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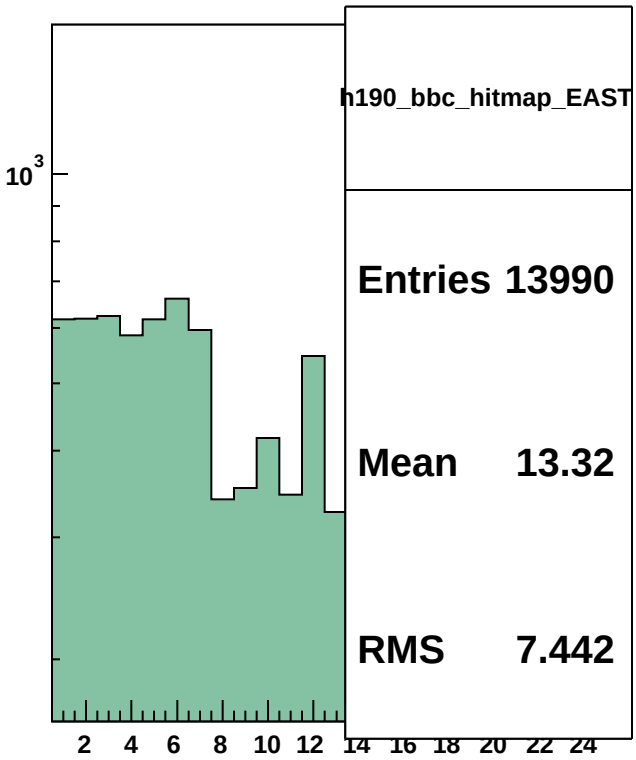
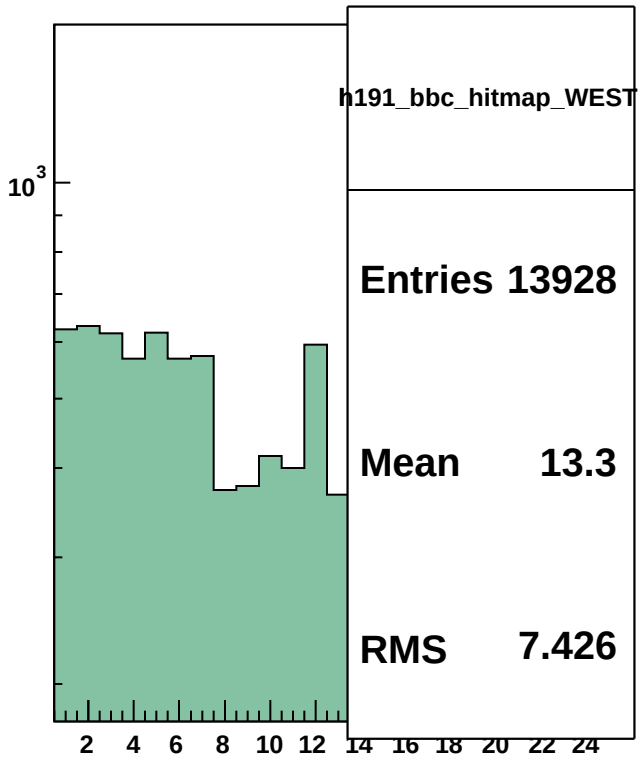
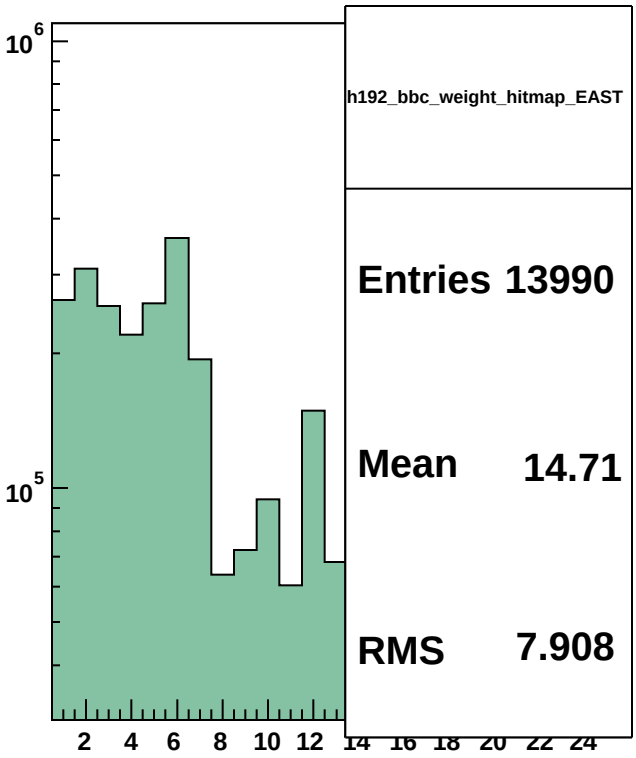
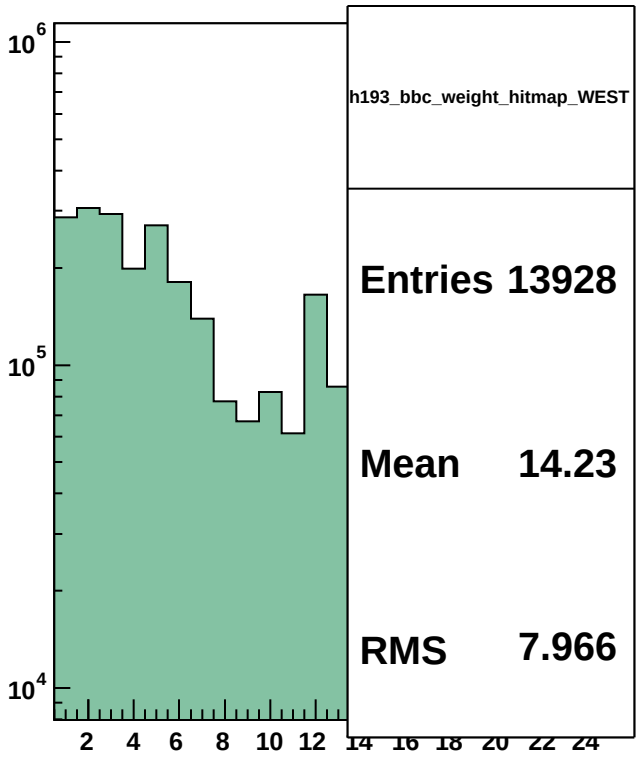
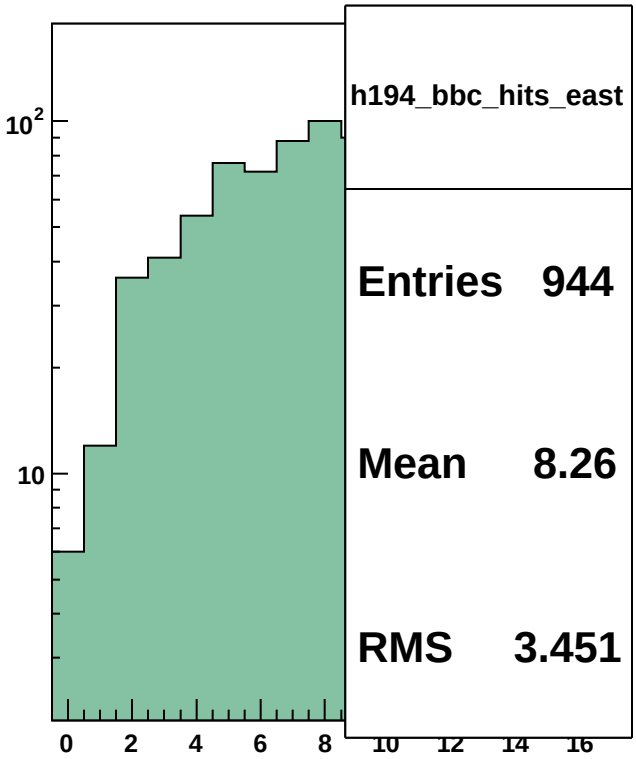
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

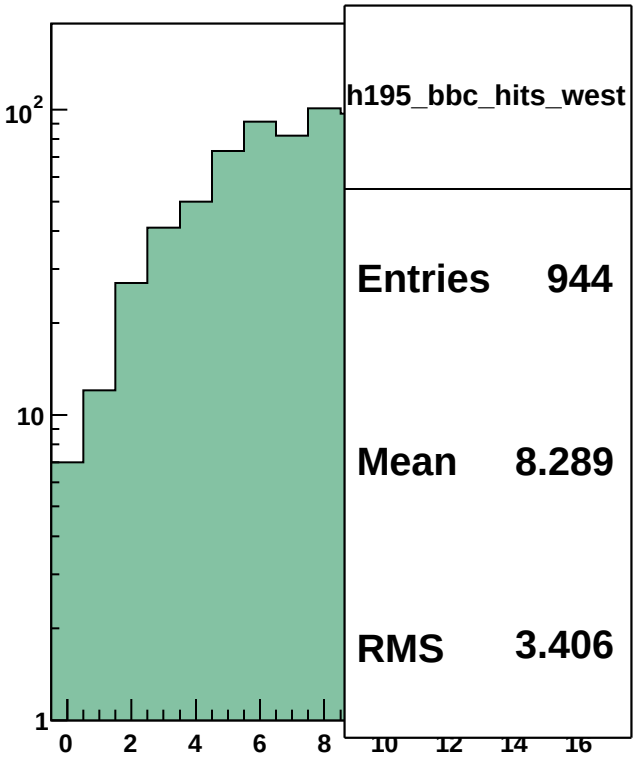

h190_bbc_hitmap_EAST
Entries 13990
Mean 13.32
RMS 7.442
10^3
2 4 6 8 10 12 14 16 18 20 22 24

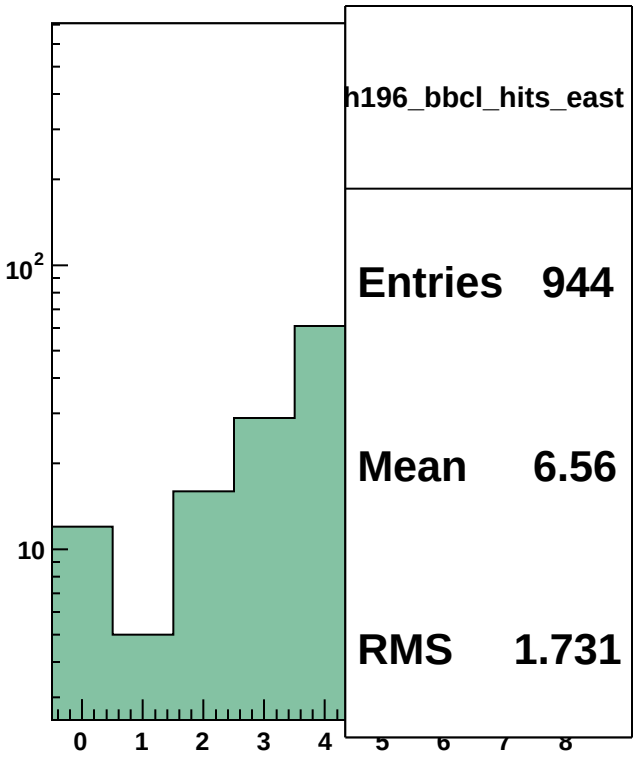

h191_bbc_hitmap_WEST
Entries 13928
Mean 13.3
RMS 7.426
10^3
2 4 6 8 10 12 14 16 18 20 22 24

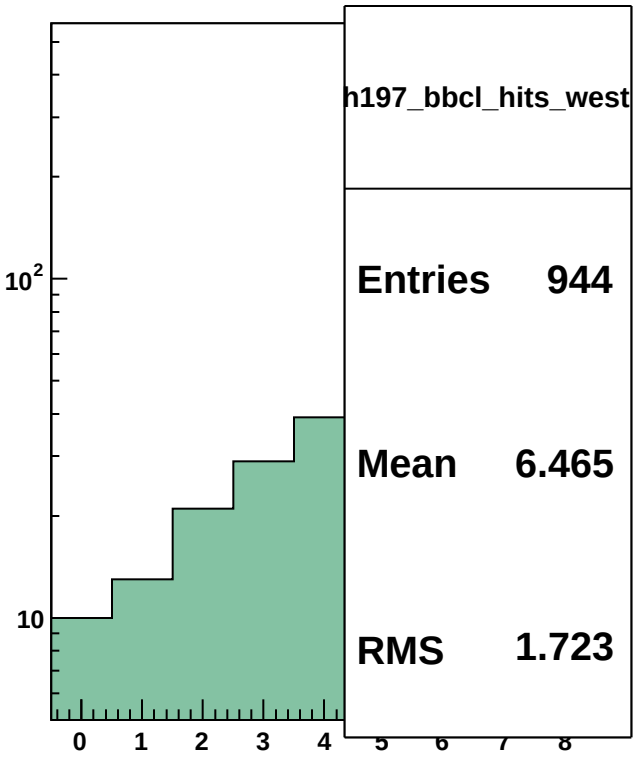

h192_bbc_weight_hitmap_EAST
Entries 13990
Mean 14.71
RMS 7.908
10^6
10^5
2 4 6 8 10 12 14 16 18 20 22 24

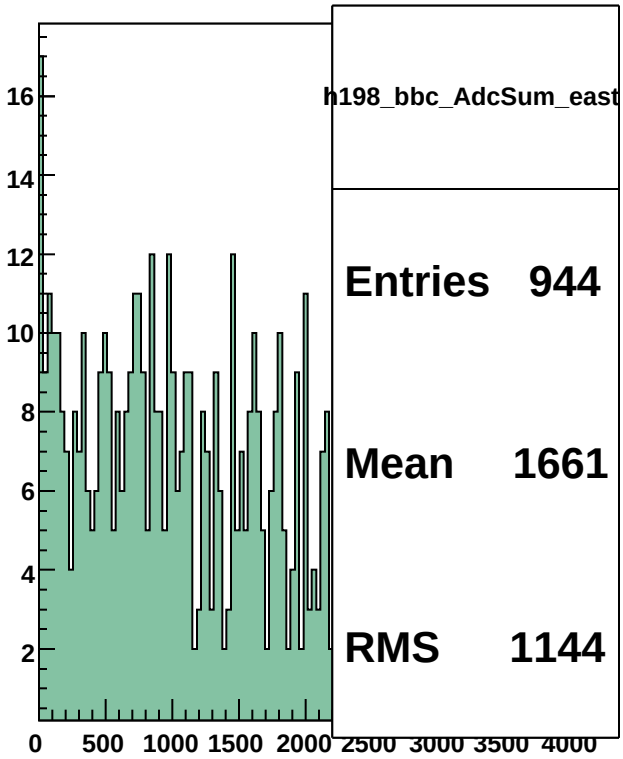

h193_bbc_weight_hitmap_WEST
Entries 13928
Mean 14.23
RMS 7.966
10^6
10^5
10^4
2 4 6 8 10 12 14 16 18 20 22 24

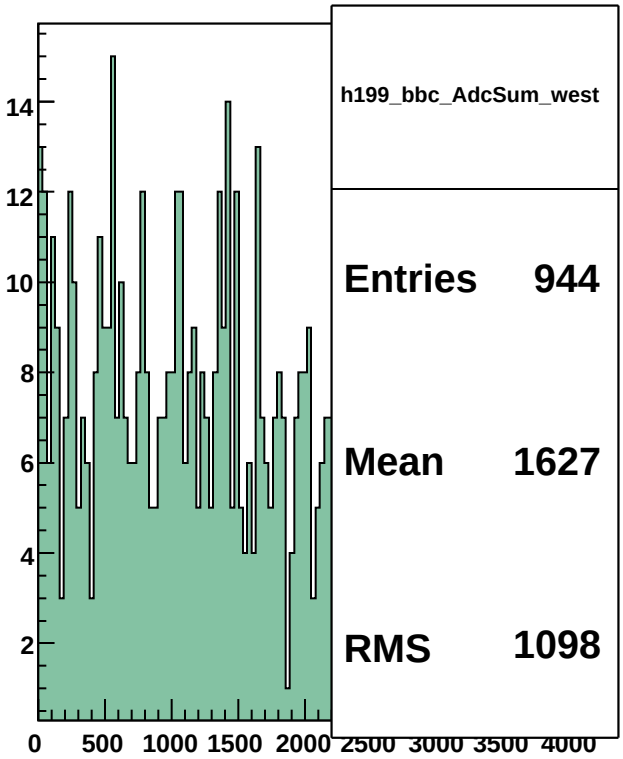

h194_bbc_hits_east
Entries 944
Mean 8.26
RMS 3.451
10^2
10
0 2 4 6 8 10 12 14 16

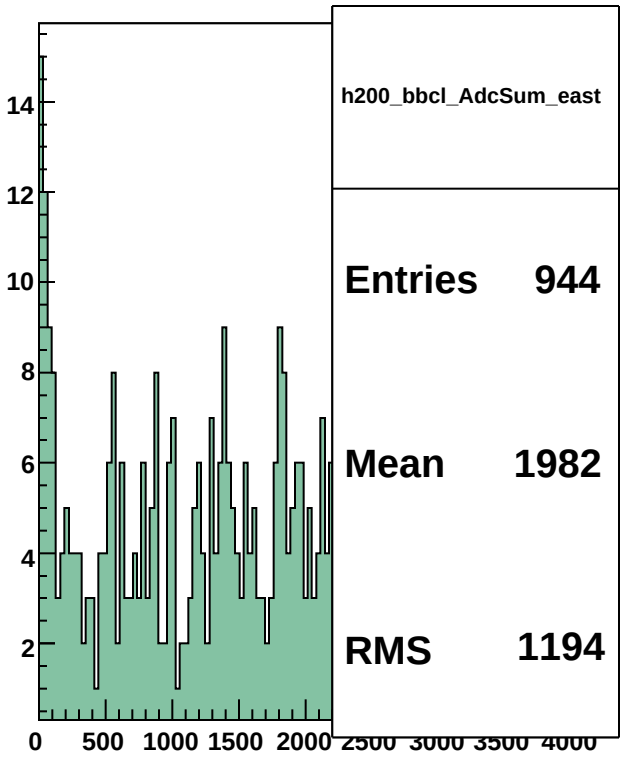

h195_bbc_hits_west
Entries 944
Mean 8.289
RMS 3.406
10^2
10
1
0 2 4 6 8 10 12 14 16

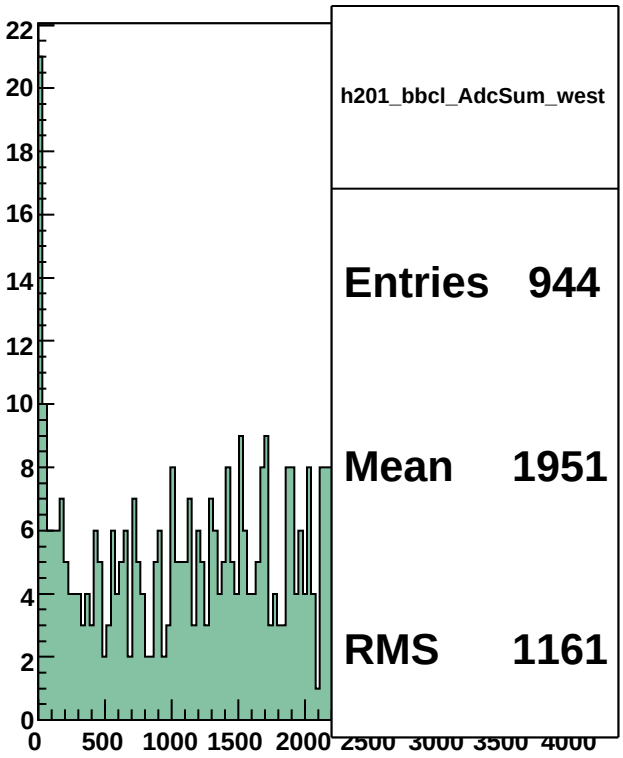

h196_bbcl_hits_east
Entries 944
Mean 6.56
RMS 1.731
10^2
10
0 1 2 3 4 5 6 7 8

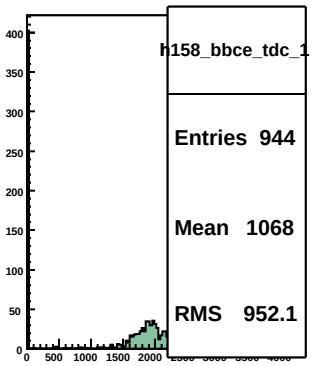

h197_bbcl_hits_west
Entries 944
Mean 6.465
RMS 1.723
10^2
10
0 1 2 3 4 5 6 7 8

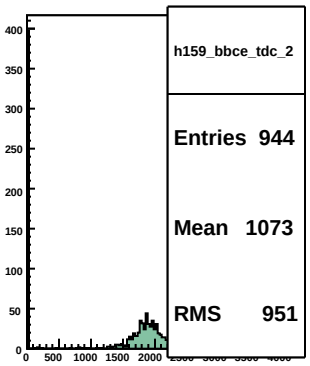

h198_bbc_AdcSum_east
Entries 944
Mean 1661
RMS 1144

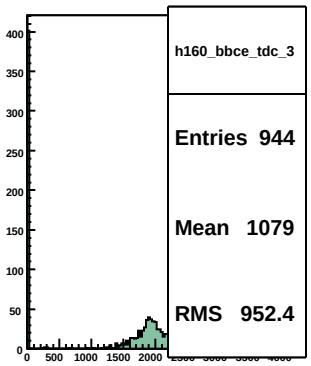

h199_bbc_AdcSum_west
Entries 944
Mean 1627
RMS 1098

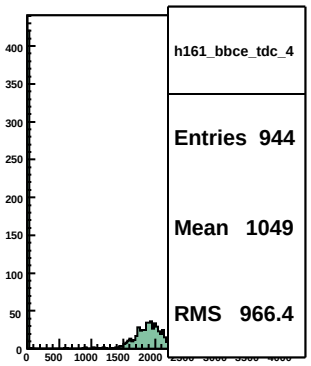

h200_bbcl_AdcSum_east
Entries 944
Mean 1982
RMS 1194

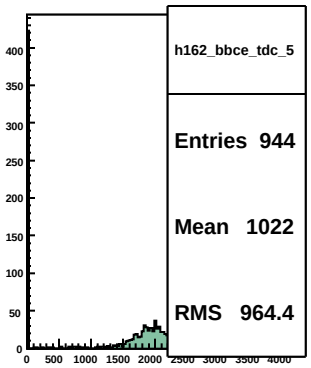

h201_bbcl_AdcSum_west
Entries 944
Mean 1951
RMS 1161

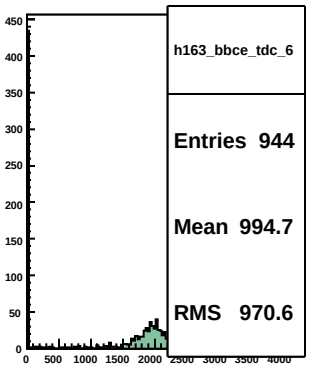

h158_bbce_tdc_1
Entries 944
Mean 1068
RMS 952.1

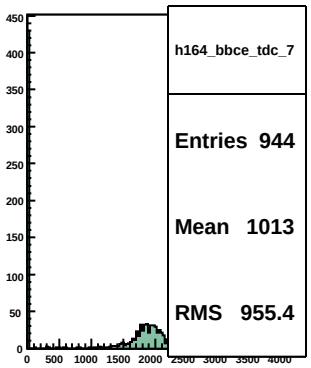

h159_bbce_tdc_2
Entries 944
Mean 1073
RMS 951

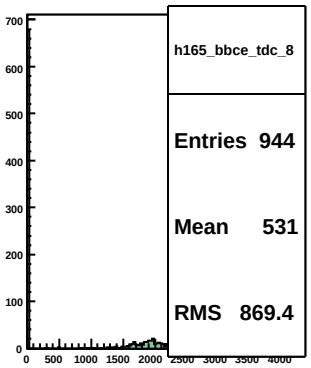

h160_bbce_tdc_3
Entries 944
Mean 1079
RMS 952.4

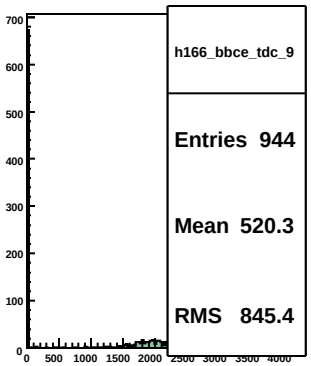

h161_bbce_tdc_4
Entries 944
Mean 1049
RMS 966.4

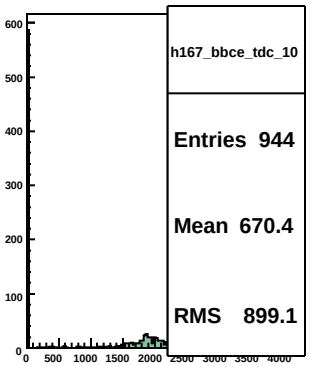

h162_bbce_tdc_5
Entries 944
Mean 1022
RMS 964.4

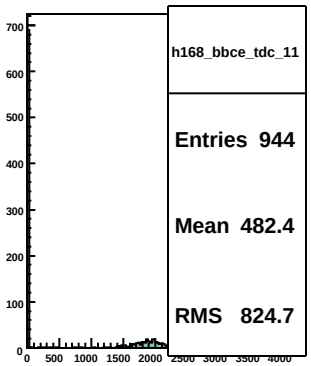

h163_bbce_tdc_6
Entries 944
Mean 994.7
RMS 970.6

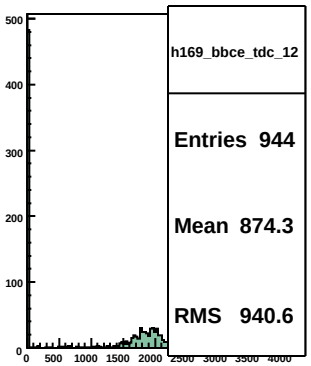

h164_bbce_tdc_7
Entries 944
Mean 1013
RMS 955.4

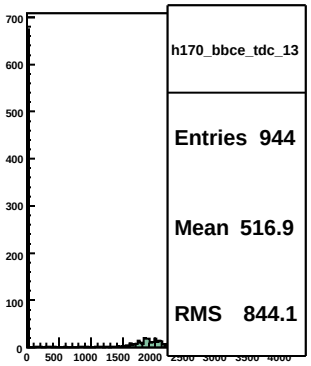

h165_bbce_tdc_8
Entries 944
Mean 531
RMS 869.4

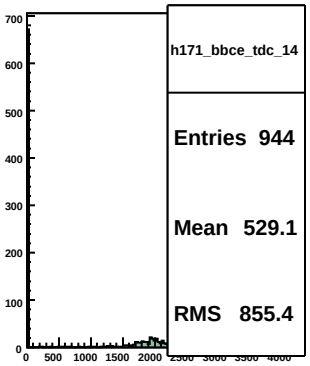

h166_bbce_tdc_9
Entries 944
Mean 520.3
RMS 845.4

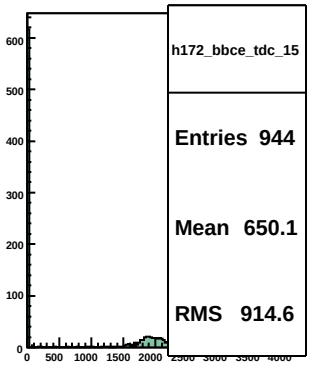

h167_bbce_tdc_10
Entries 944
Mean 670.4
RMS 899.1

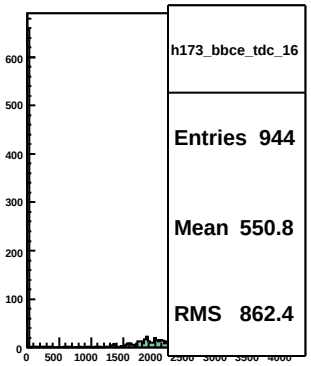

h168_bbce_tdc_11
Entries 944
Mean 482.4
RMS 824.7

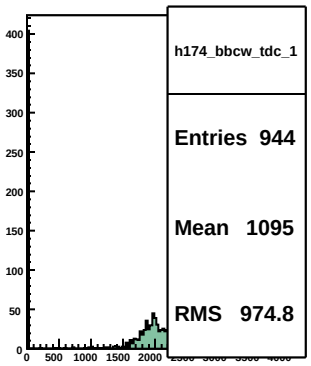

h169_bbce_tdc_12
Entries 944
Mean 874.3
RMS 940.6

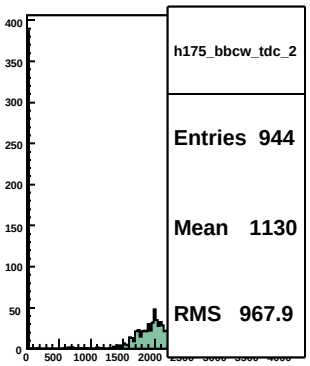

h170_bbce_tdc_13
Entries 944
Mean 516.9
RMS 844.1

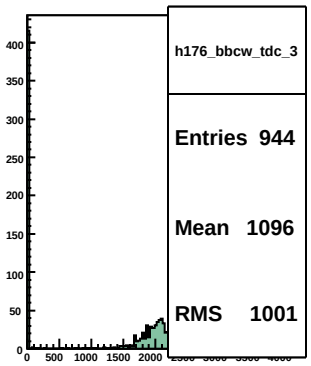

h171_bbce_tdc_14
Entries 944
Mean 529.1
RMS 855.4

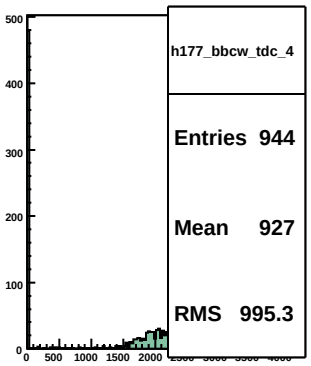

h172_bbce_tdc_15
Entries 944
Mean 650.1
RMS 914.6

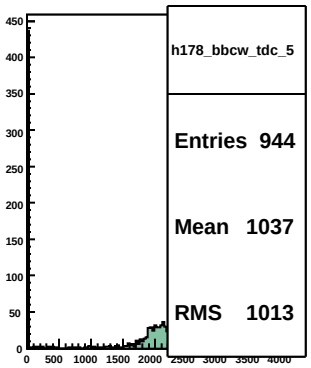

h173_bbce_tdc_16
Entries 944
Mean 550.8
RMS 862.4

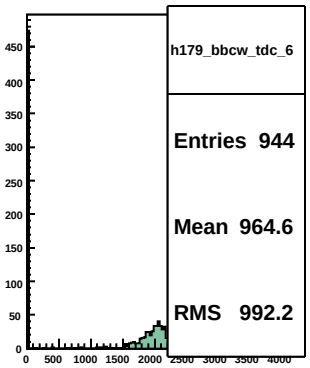

h174_bbcw_tdc_1
Entries 944
Mean 1095
RMS 974.8

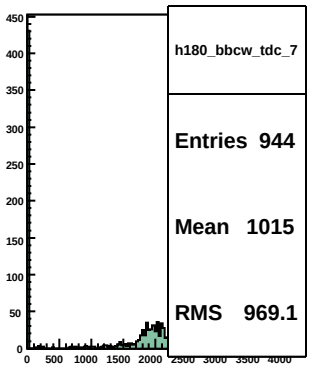

h175_bbcw_tdc_2
Entries 944
Mean 1130
RMS 967.9

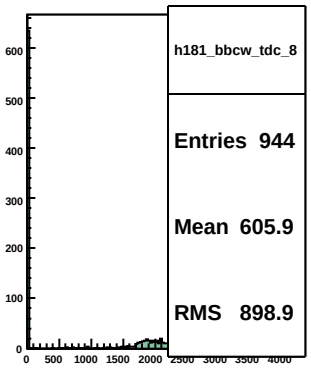

h176_bbcw_tdc_3
Entries 944
Mean 1096
RMS 1001

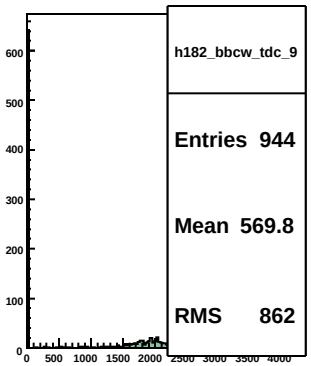

h177_bbcw_tdc_4
Entries 944
Mean 927
RMS 995.3

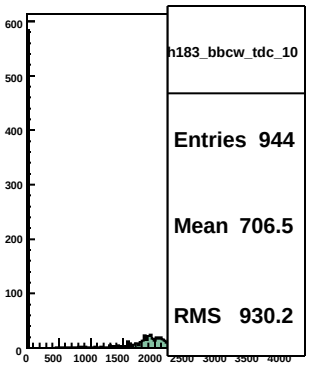

h178_bbcw_tdc_5
Entries 944
Mean 1037
RMS 1013

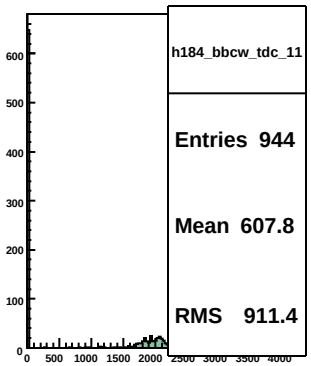

h179_bbcw_tdc_6
Entries 944
Mean 964.6
RMS 992.2

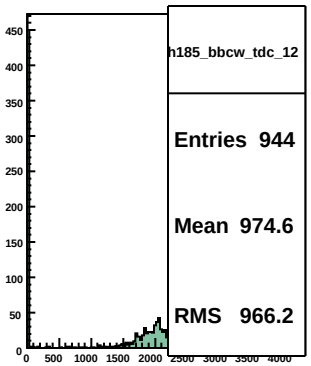

h180_bbcw_tdc_7
Entries 944
Mean 1015
RMS 969.1

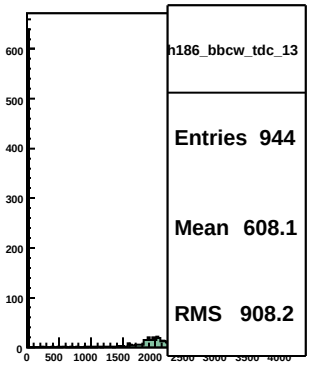

h181_bbcw_tdc_8
Entries 944
Mean 605.9
RMS 898.9

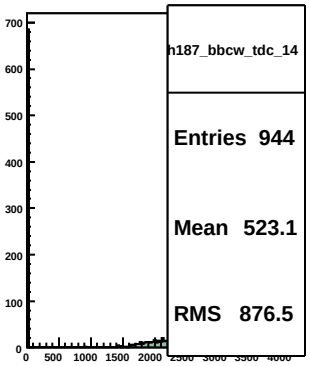

h182_bbcw_tdc_9
Entries 944
Mean 569.8
RMS 862

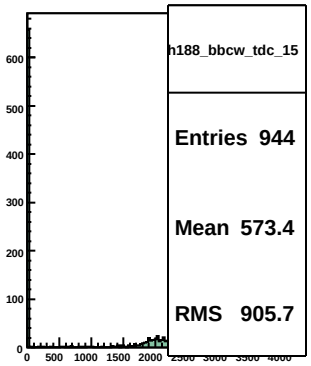

h183_bbcw_tdc_10
Entries 944
Mean 706.5
RMS 930.2

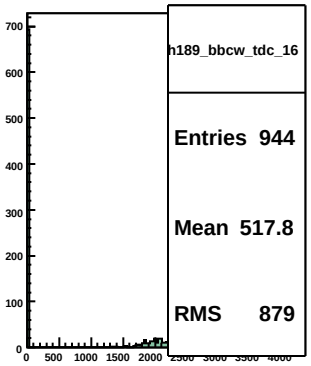

h184_bbcw_tdc_11
Entries 944
Mean 607.8
RMS 911.4

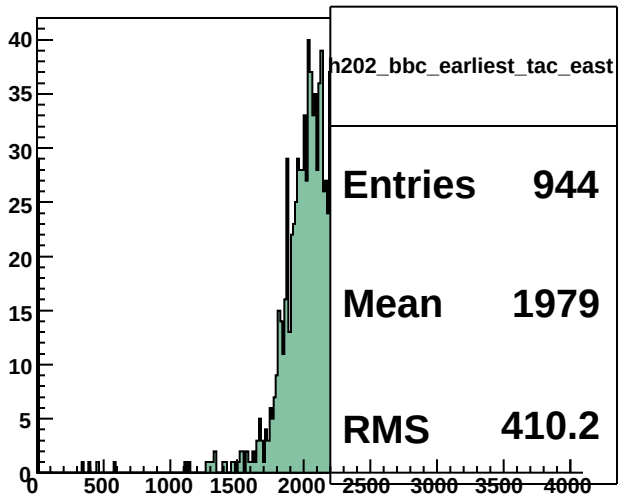

h185_bbcw_tdc_12
Entries 944
Mean 974.6
RMS 966.2

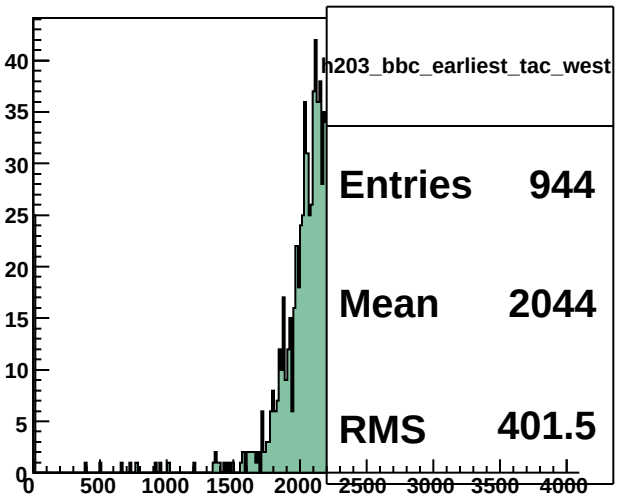

h186_bbcw_tdc_13
Entries 944
Mean 608.1
RMS 908.2

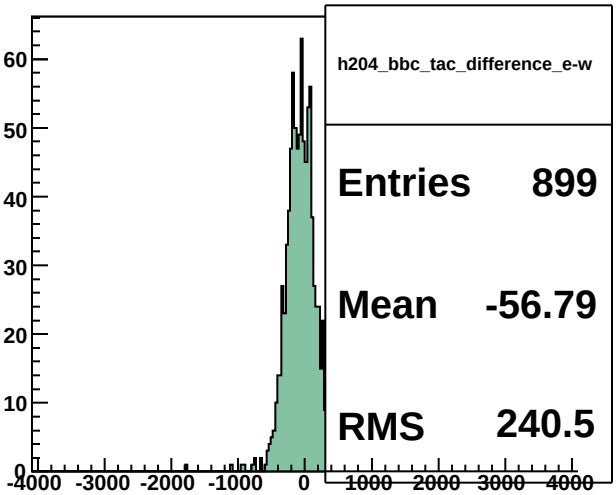

h187_bbcw_tdc_14
Entries 944
Mean 523.1
RMS 876.5

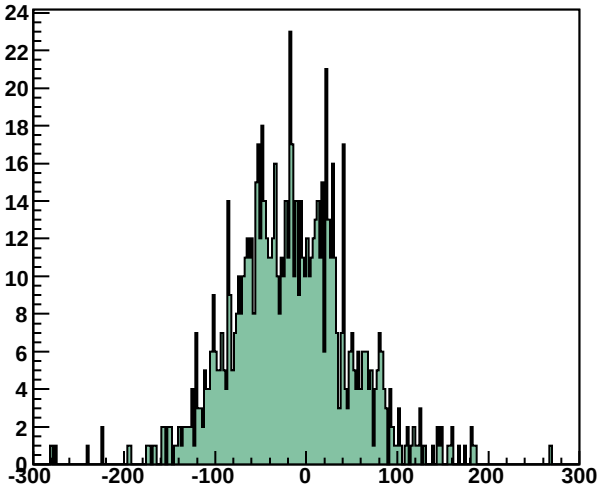

h188_bbcw_tdc_15
Entries 944
Mean 573.4
RMS 905.7

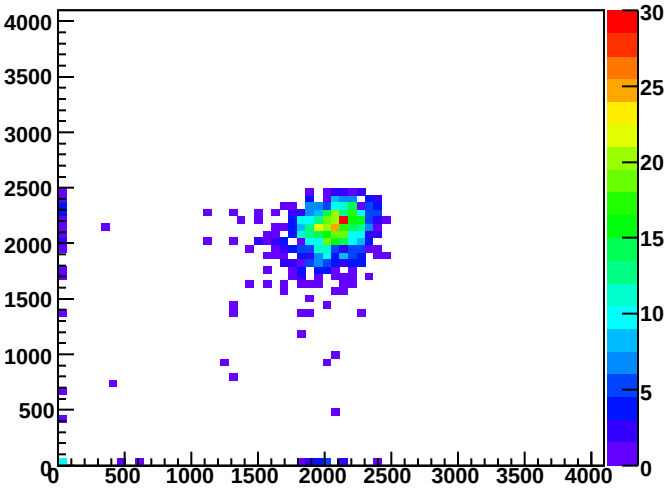

h189_bbcw_tdc_16
Entries 944
Mean 517.8
RMS 879

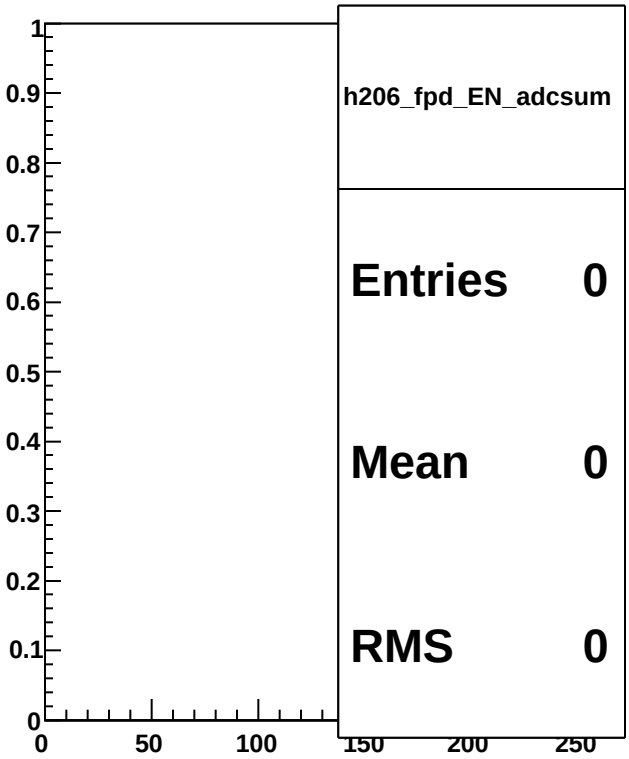

h202_bbc_earliest_tac_east
Entries 944
Mean 1979
RMS 410.2

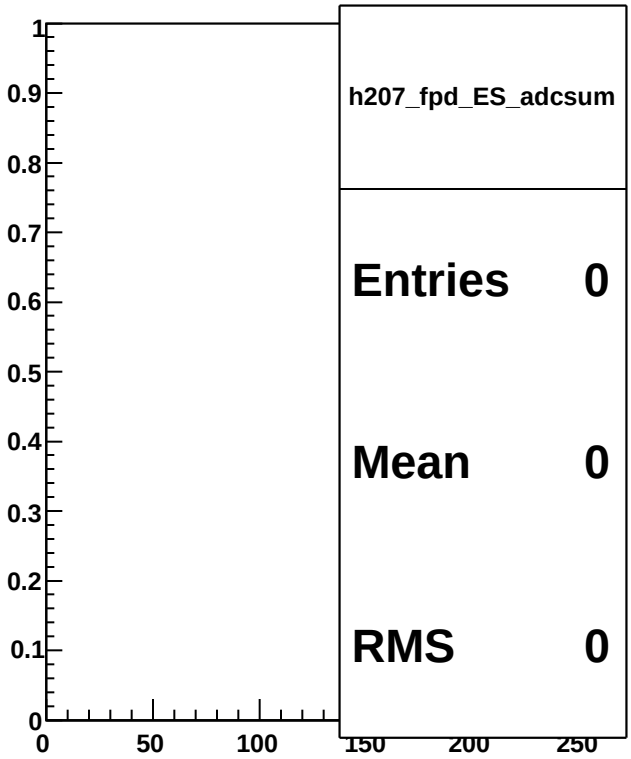

h203_bbc_earliest_tac_west
Entries 944
Mean 2044
RMS 401.5

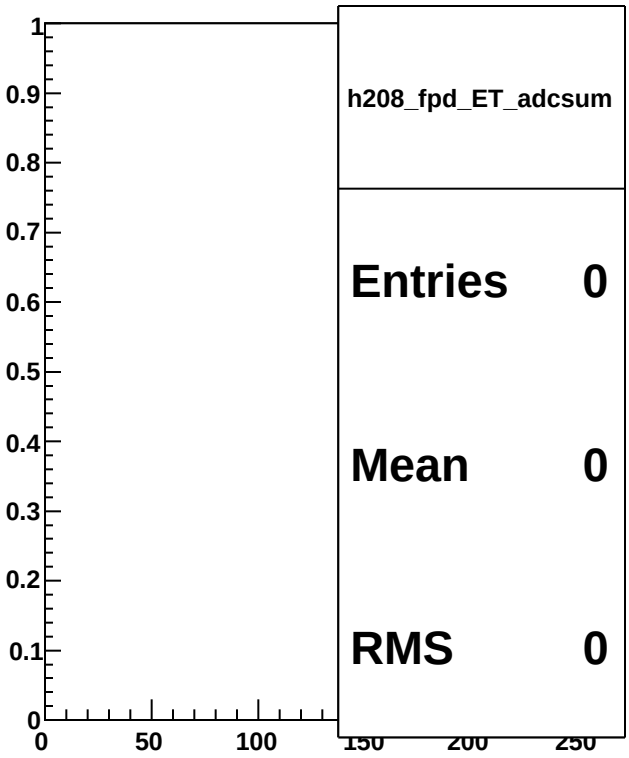

h204_bbc_tac_difference_e-w
Entries 899
Mean -56.79
RMS 240.5

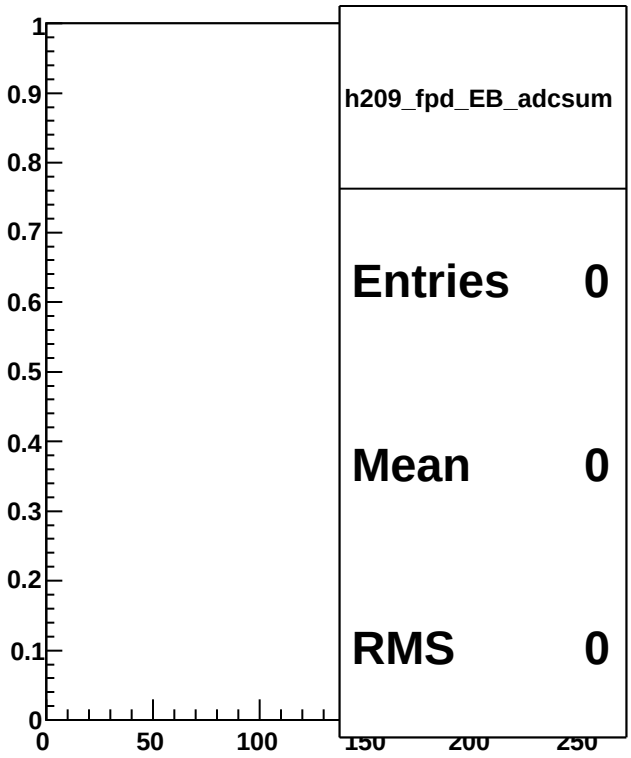


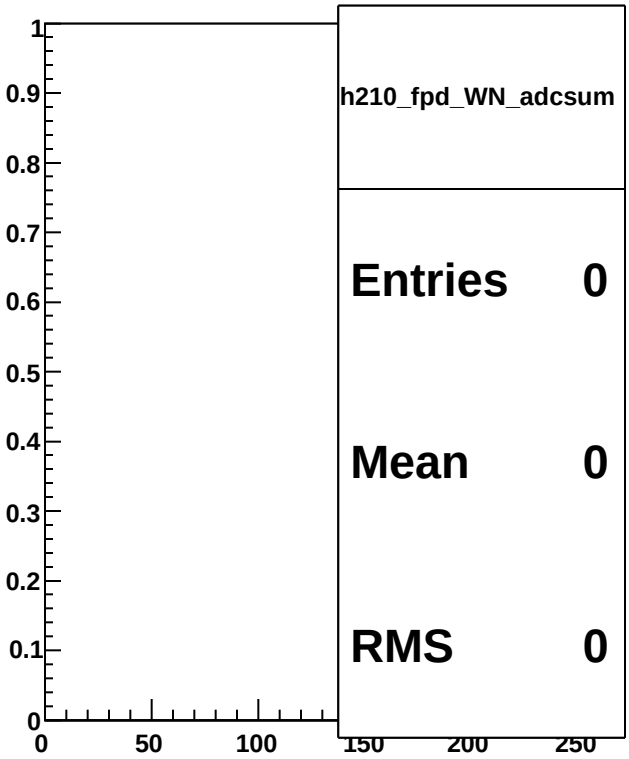


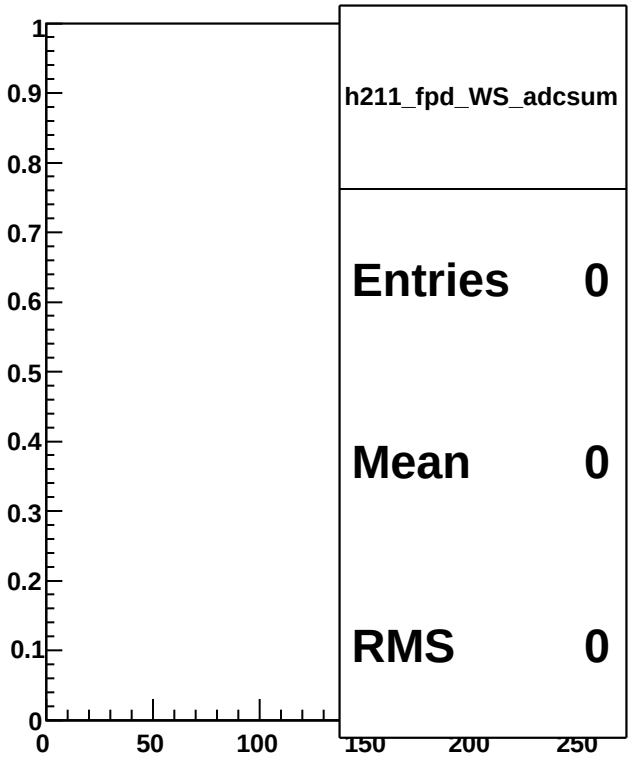

h206_fpd_EN_adcsum
Entries 0
Mean 0
RMS 0

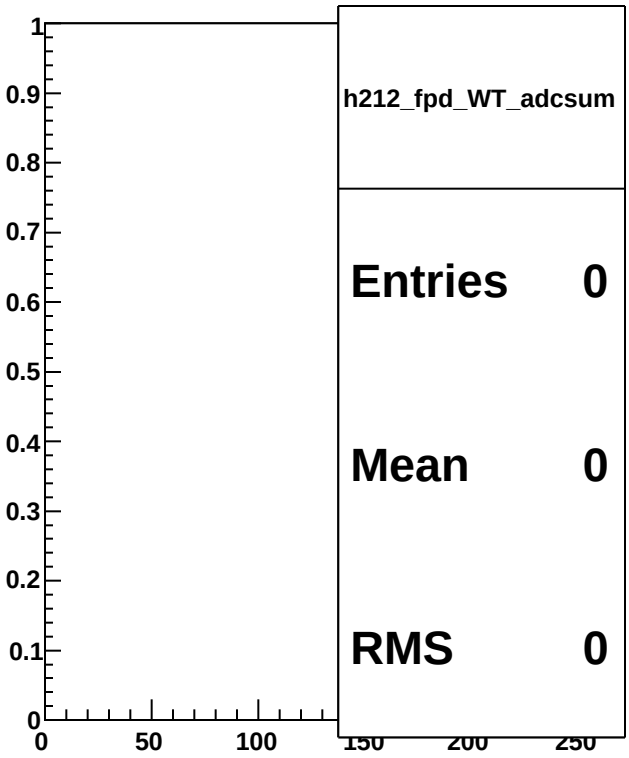

h207_fpd_ES_adcsum
Entries 0
Mean 0
RMS 0

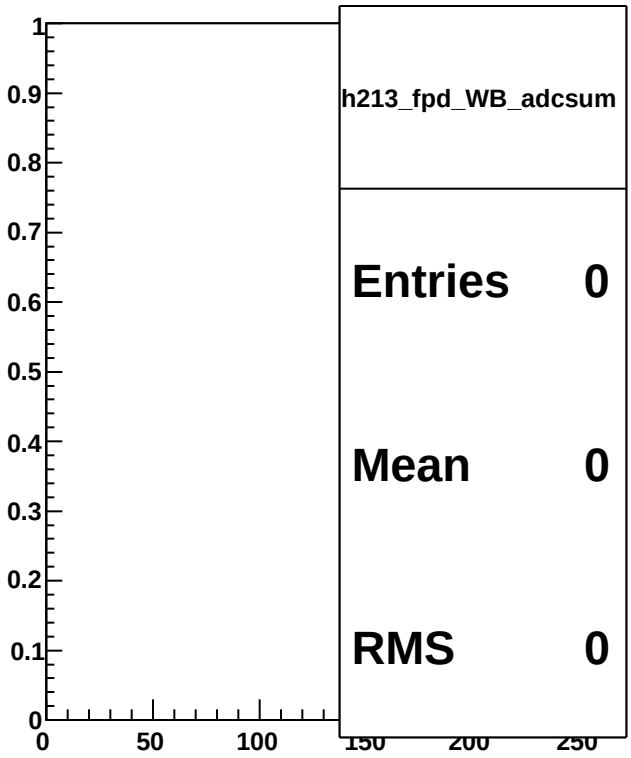

h208_fpd_ET_adcsum
Entries 0
Mean 0
RMS 0

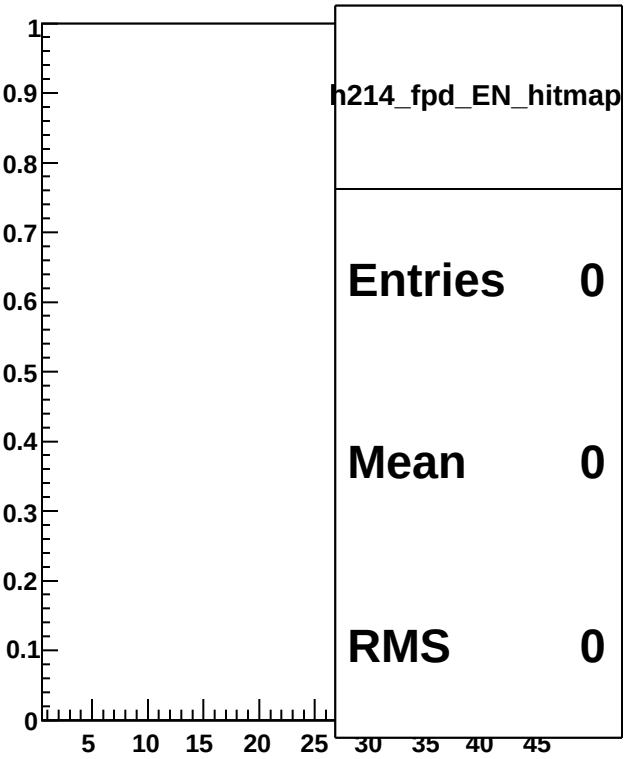

h209_fpd_EB_adcsum
Entries 0
Mean 0
RMS 0

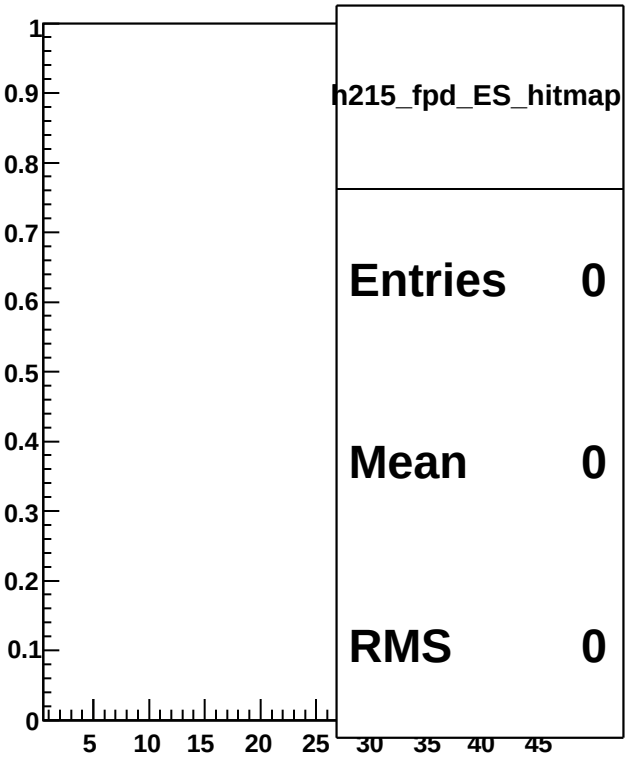

h210_fpd_WN_adcsum
Entries 0
Mean 0
RMS 0

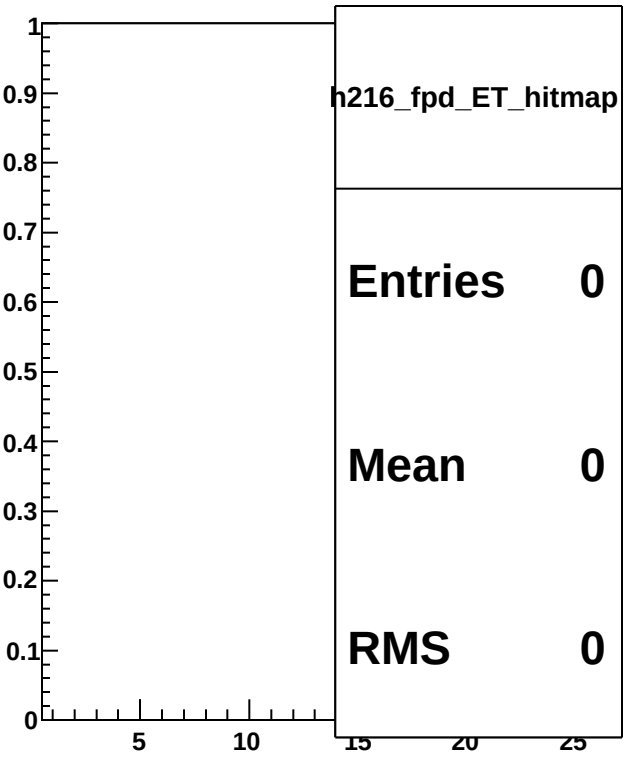

h211_fpd_WS_adcsum
Entries 0
Mean 0
RMS 0

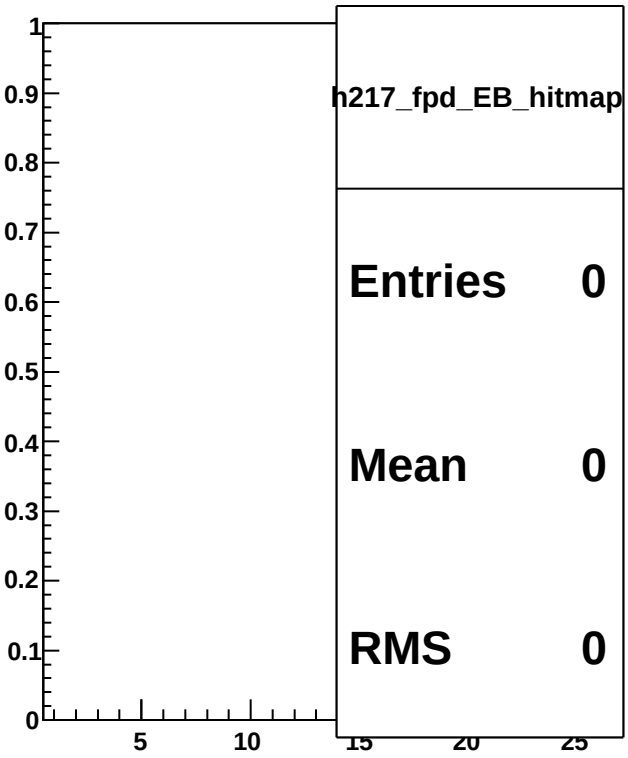

h212_fpd_WT_adcsum
Entries 0
Mean 0
RMS 0

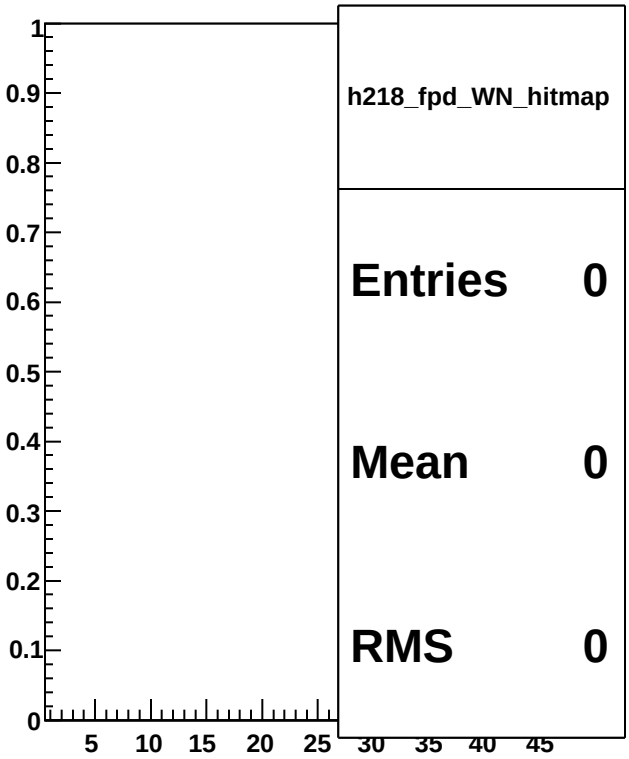

h213_fpd_WB_adcsum
Entries 0
Mean 0
RMS 0

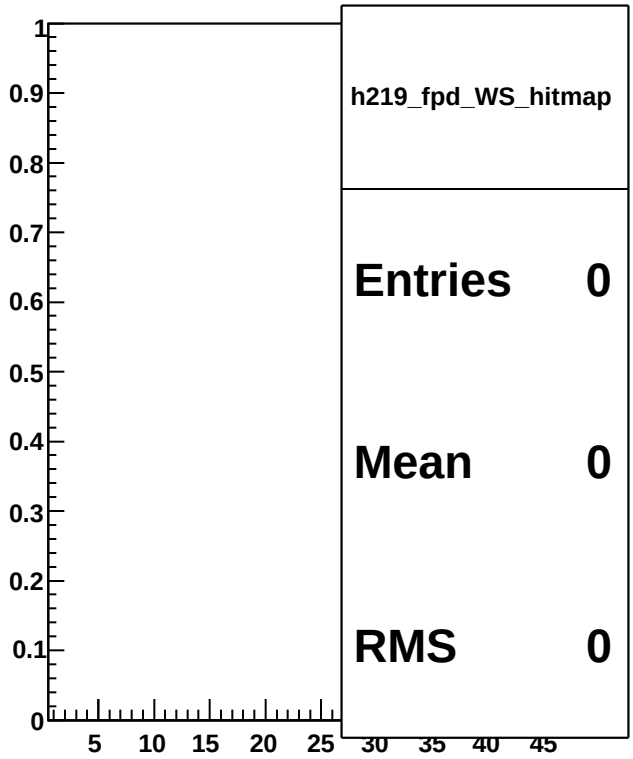

h214_fpd_EN_hitmap
Entries 0
Mean 0
RMS 0

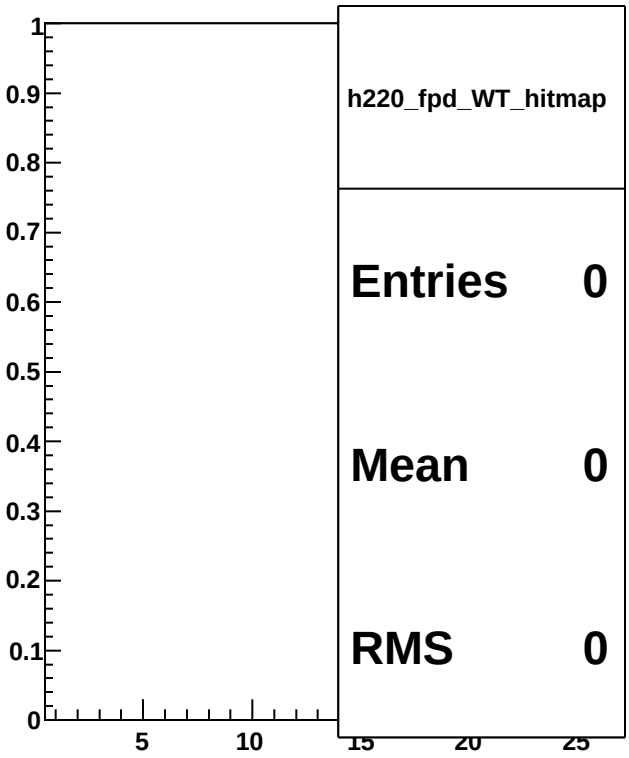

h215_fpd_ES_hitmap
Entries 0
Mean 0
RMS 0

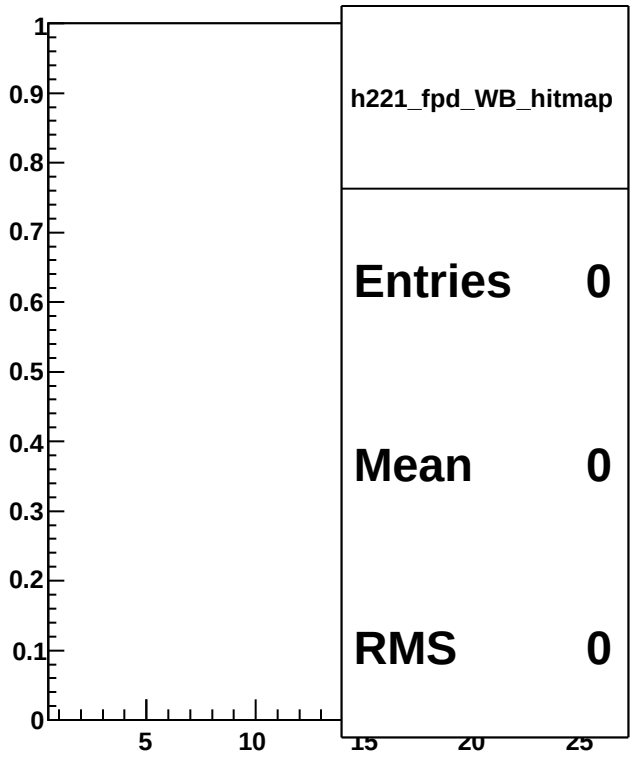

h216_fpd_ET_hitmap
Entries 0
Mean 0
RMS 0

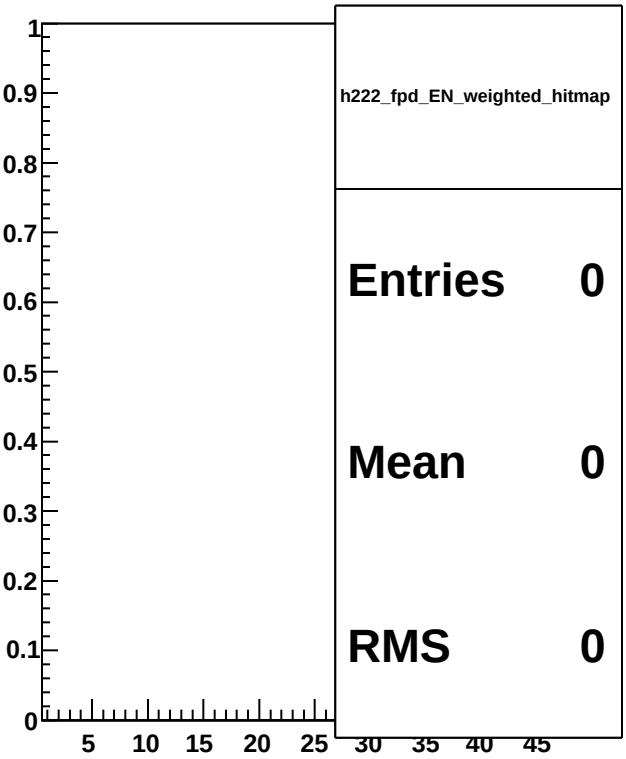

h217_fpd_EB_hitmap
Entries 0
Mean 0
RMS 0

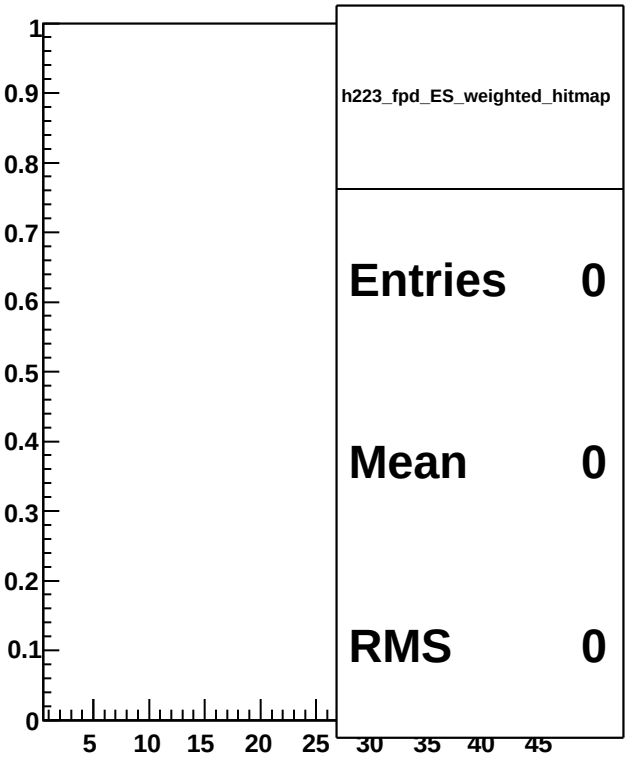

h218_fpd_WN_hitmap
Entries 0
Mean 0
RMS 0

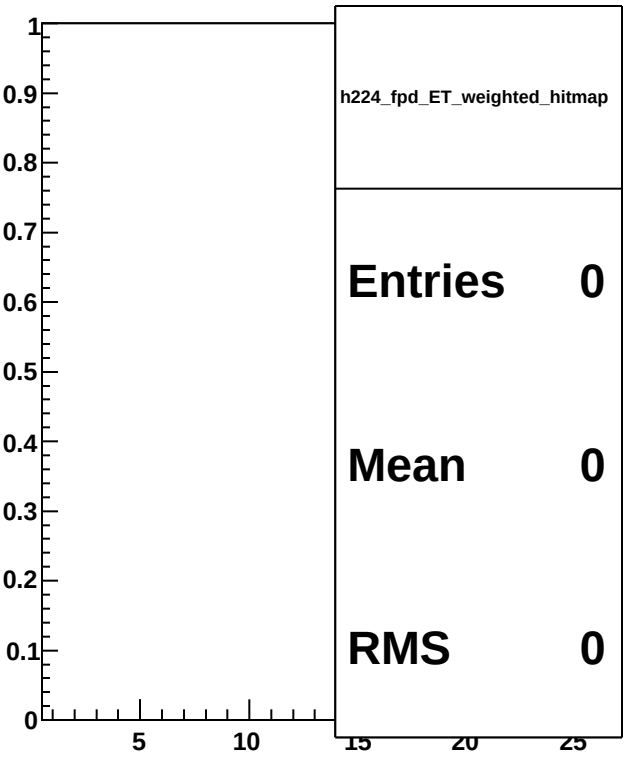

h219_fpd_WS_hitmap
Entries 0
Mean 0
RMS 0


h220_fpd_WT_hitmap
Entries 0
Mean 0
RMS 0


h221_fpd_WB_hitmap
Entries 0
Mean 0
RMS 0


h222_fpd_EN_weighted_hitmap
Entries 0
Mean 0
RMS 0


h223_fpd_ES_weighted_hitmap
Entries 0
Mean 0
RMS 0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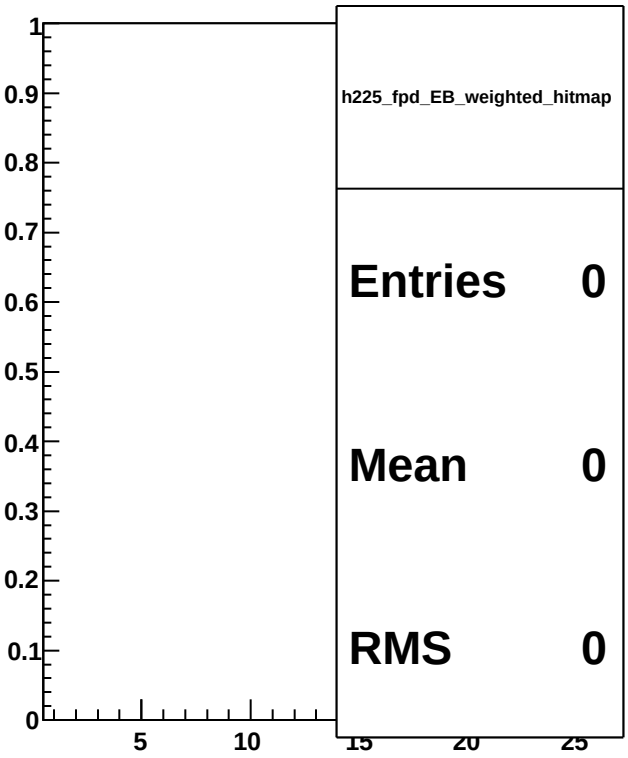
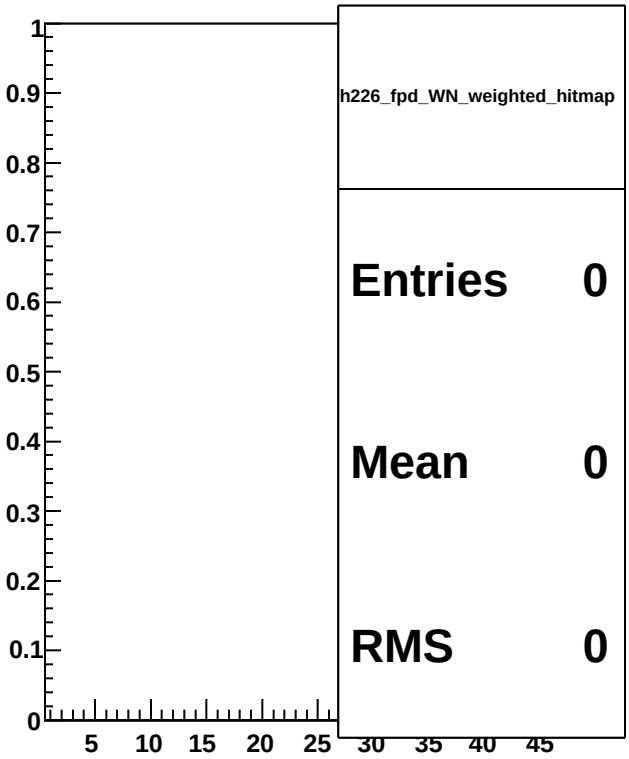
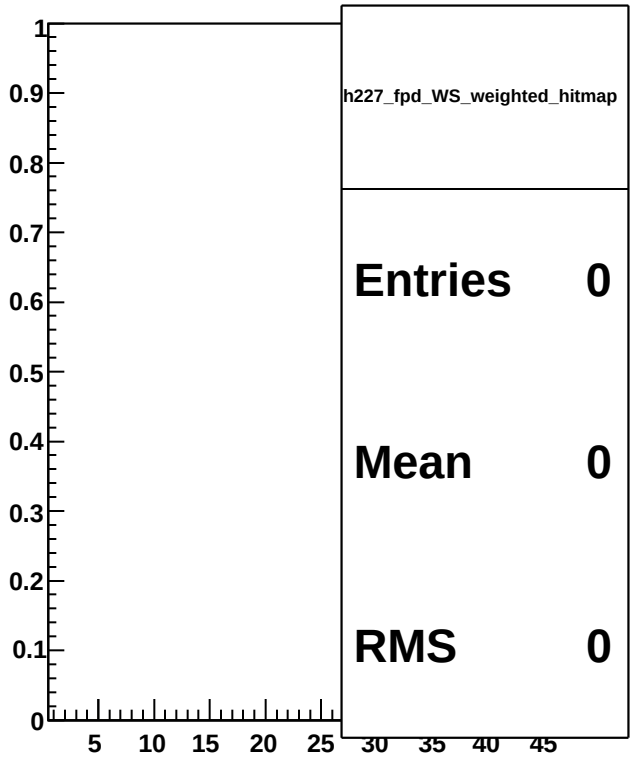
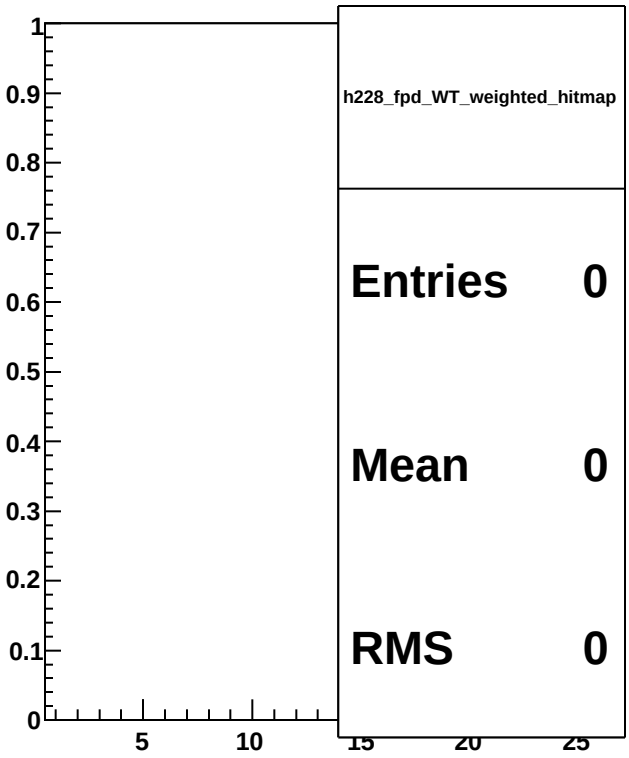
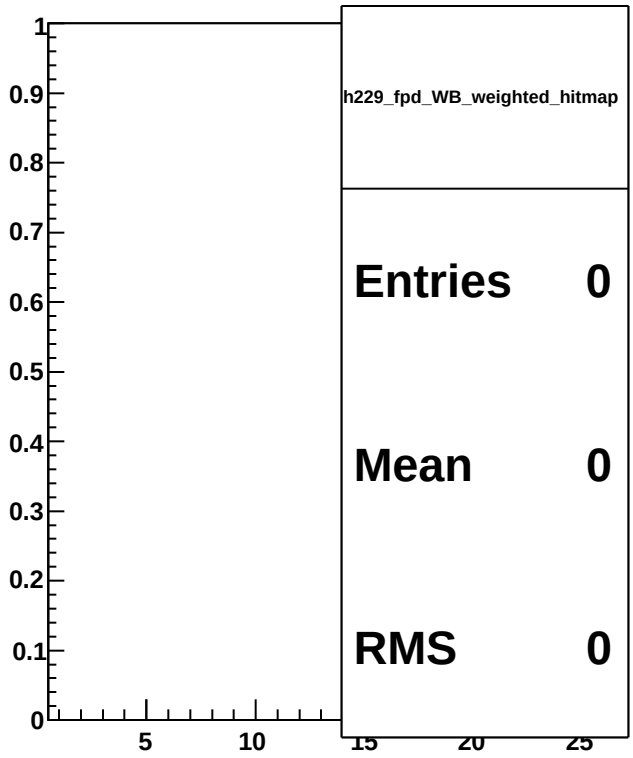
Entries 0
Mean 0
RMS 0

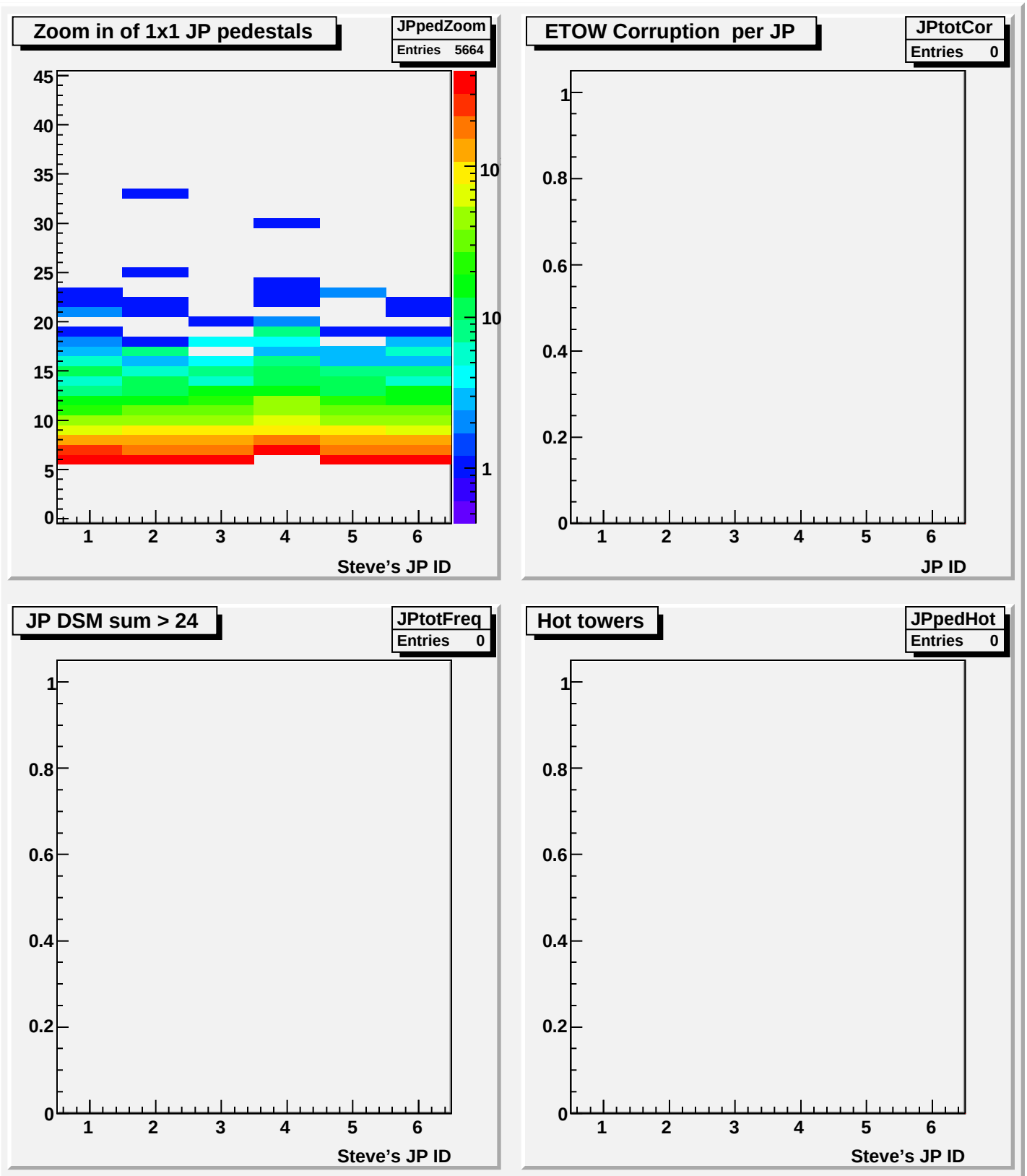

h225_fpd_EB_weighted_hitmap
Entries 0
Mean 0
RMS 0


h226_fpd_WN_weighted_hitmap
Entries 0
Mean 0
RMS 0


h227_fpd_WS_weighted_hitmap
Entries 0
Mean 0
RMS 0


h228_fpd_WT_weighted_hitmap
Entries 0
Mean 0
RMS 0


h229_fpd_WB_weighted_hitmap
Entries 0
Mean 0
RMS 0



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

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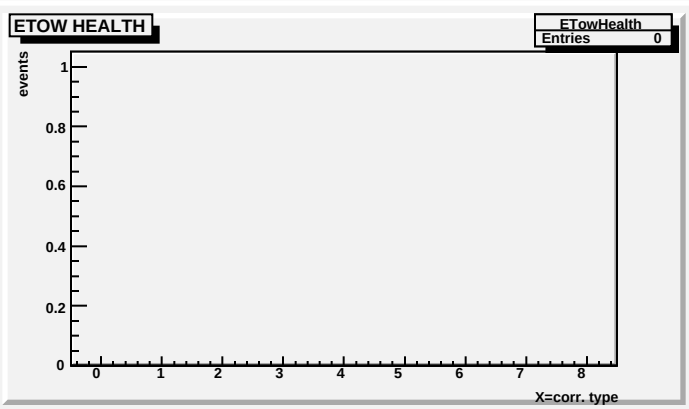
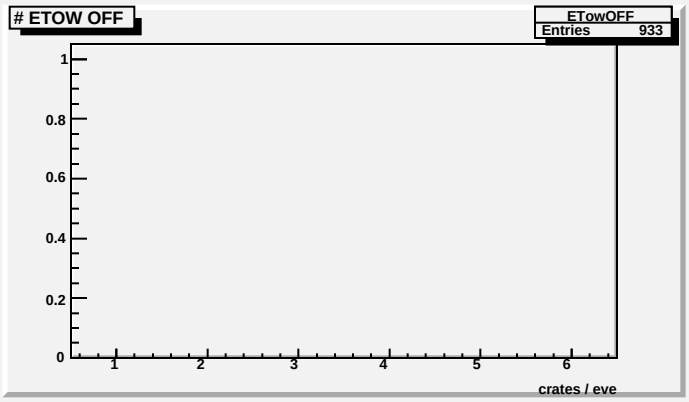
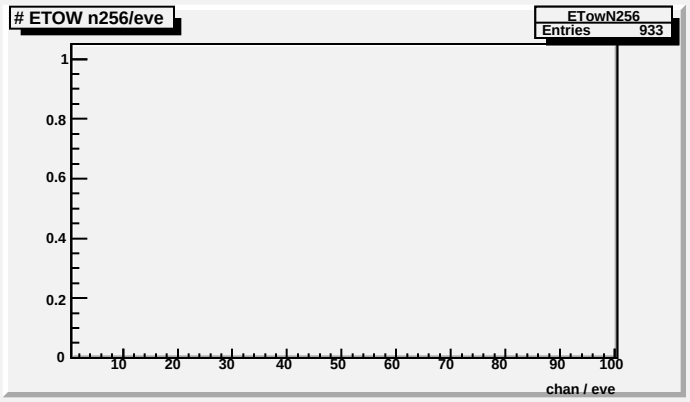
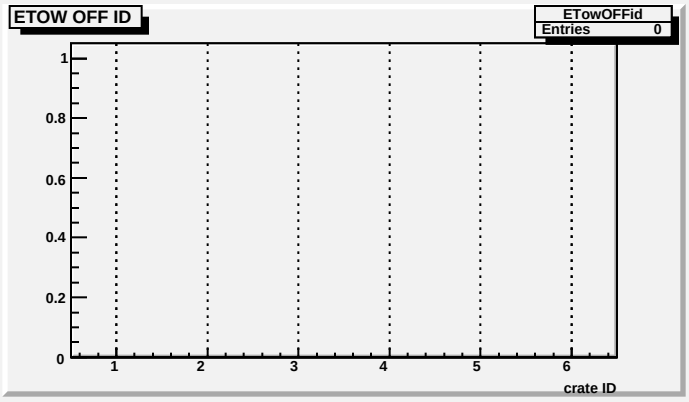
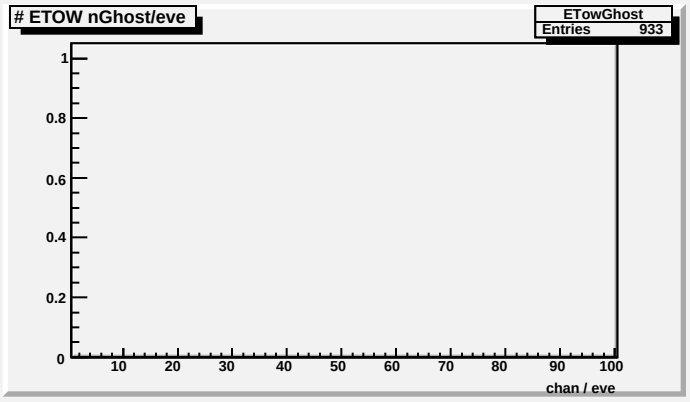

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

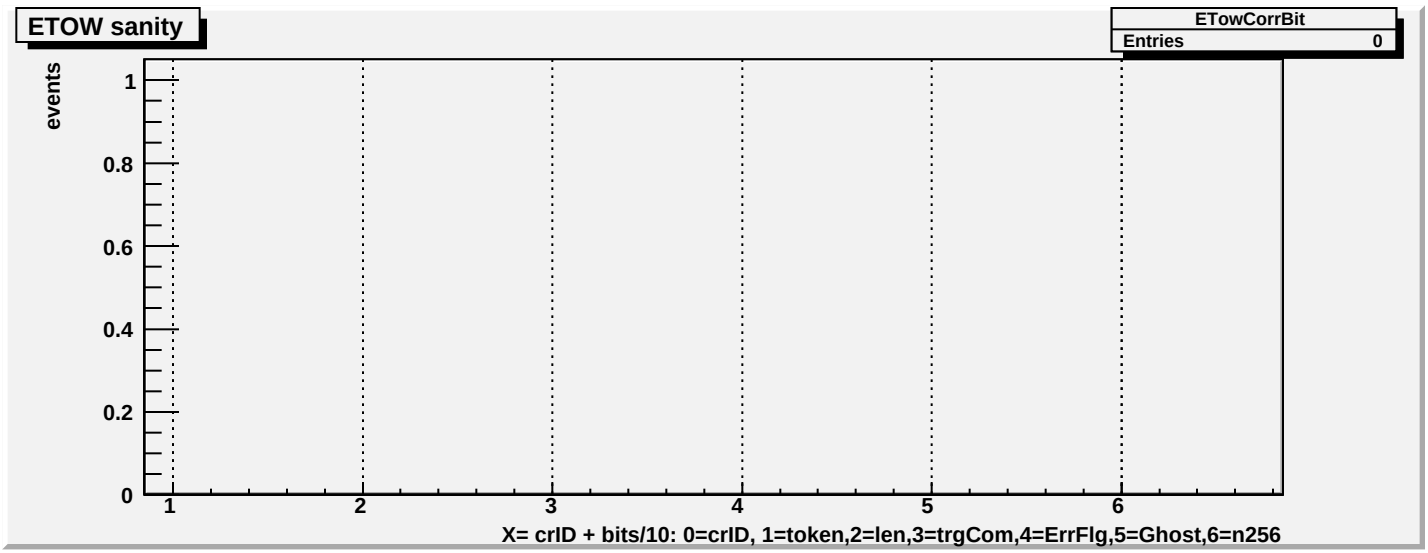
ETOW head corr
ETowHeadCorr
Entries 933
crates / eve

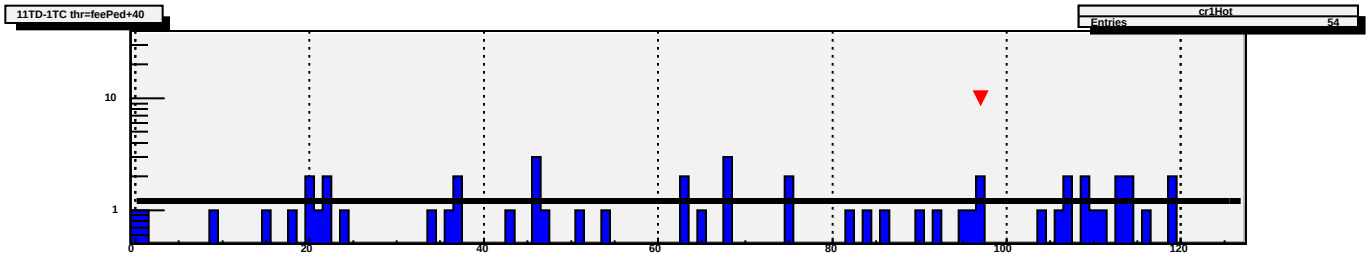

ETOW OFF
ETowOFF
Entries 933
crates / eve

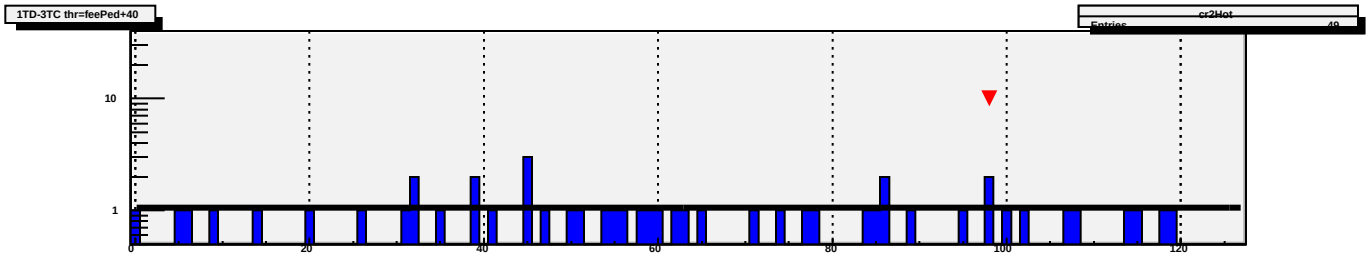

ETOW n256/eve
ETowN256
Entries 933
chan / eve

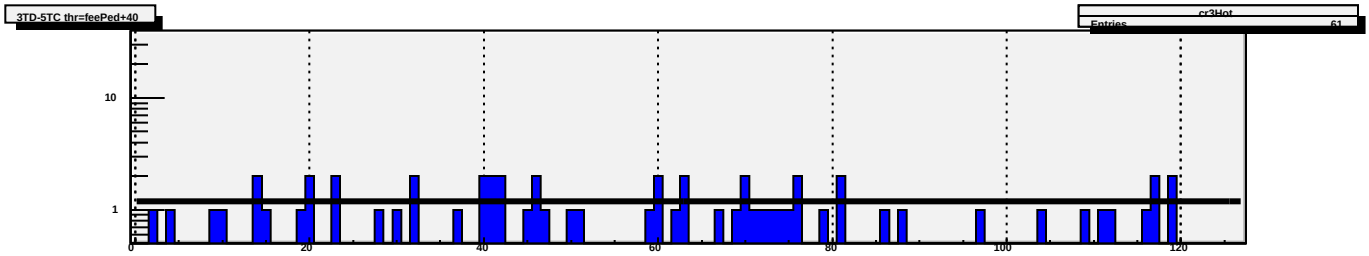

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

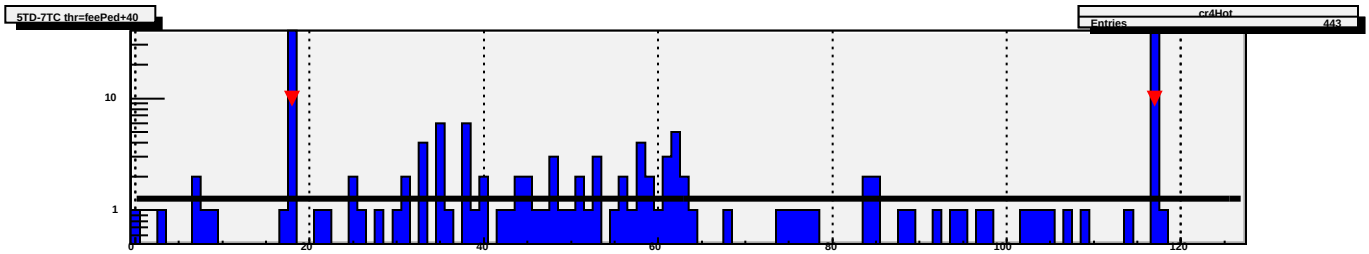

ETOW nGhost/eve
ETowGhost
Entries 933
chan / eve

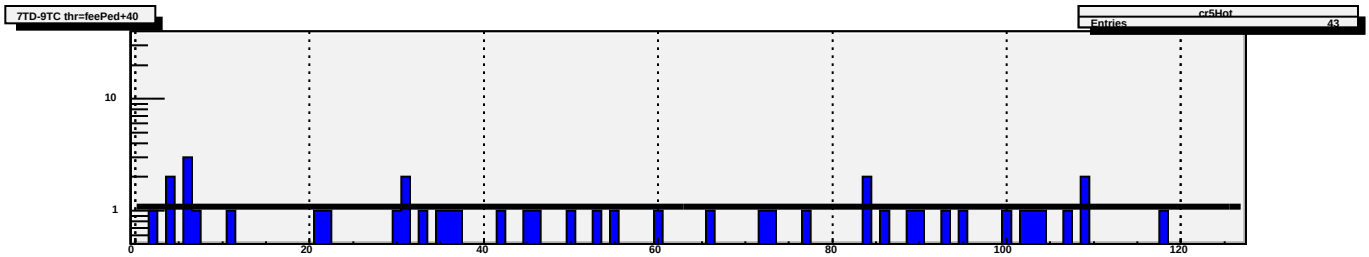

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

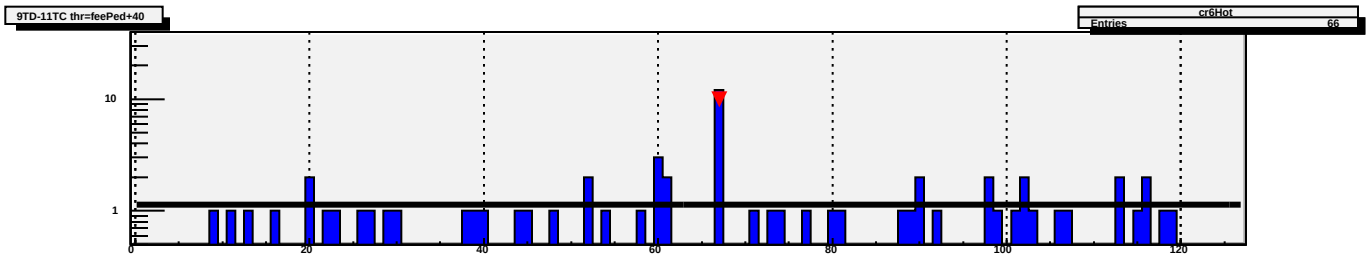

11TD-1TC thr=feePed+40
cr1Hot
Entries 54
10
1
0
20
40
60
80
100
120

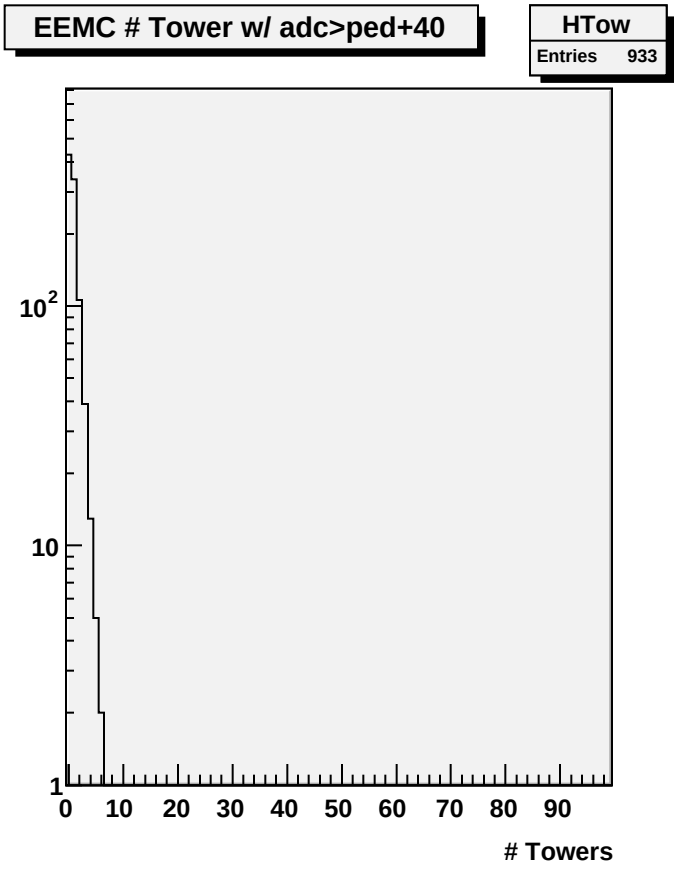

1TD-3TC thr=feePed+40
cr2Hot
Entries 49
10
1
0
20
40
60
80
100
120

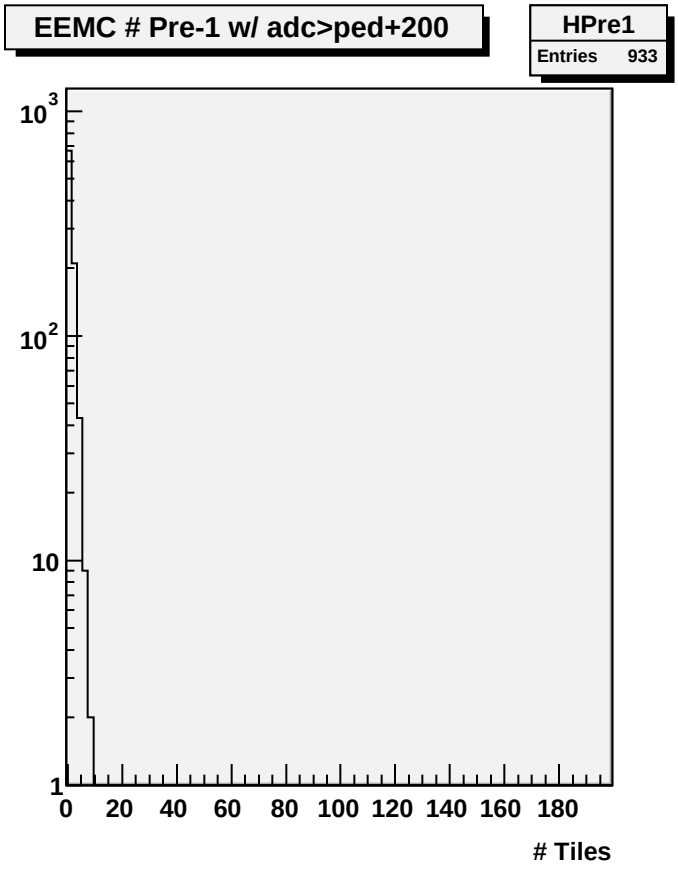

3TD-5TC thr=feePed+40
cr3Hot
Entries 61
10
1
0
20
40
60
80
100
120

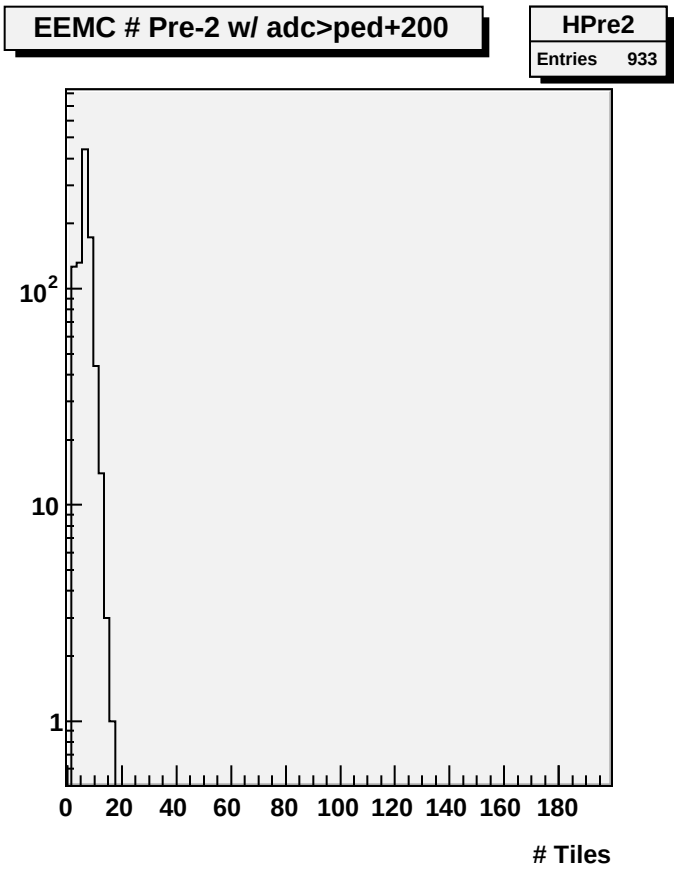

5TD-7TC thr=feePed+40
cr4Hot
Entries 443
10
1
0
20
40
60
80
100
120

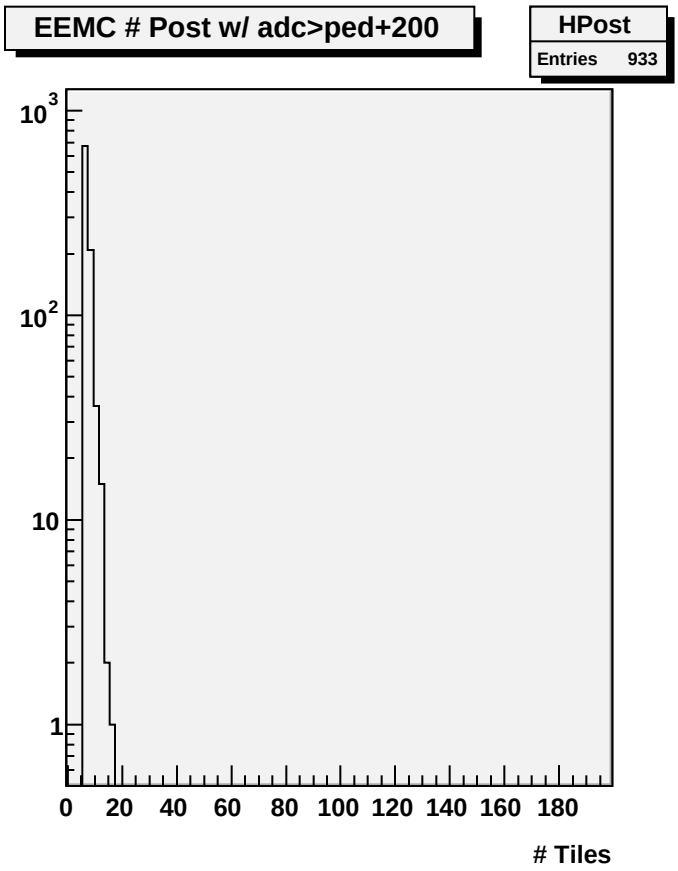

7TD-9TC thr=feePed+40
cr5Hot
Entries 43
10
1
0
20
40
60
80
100
120

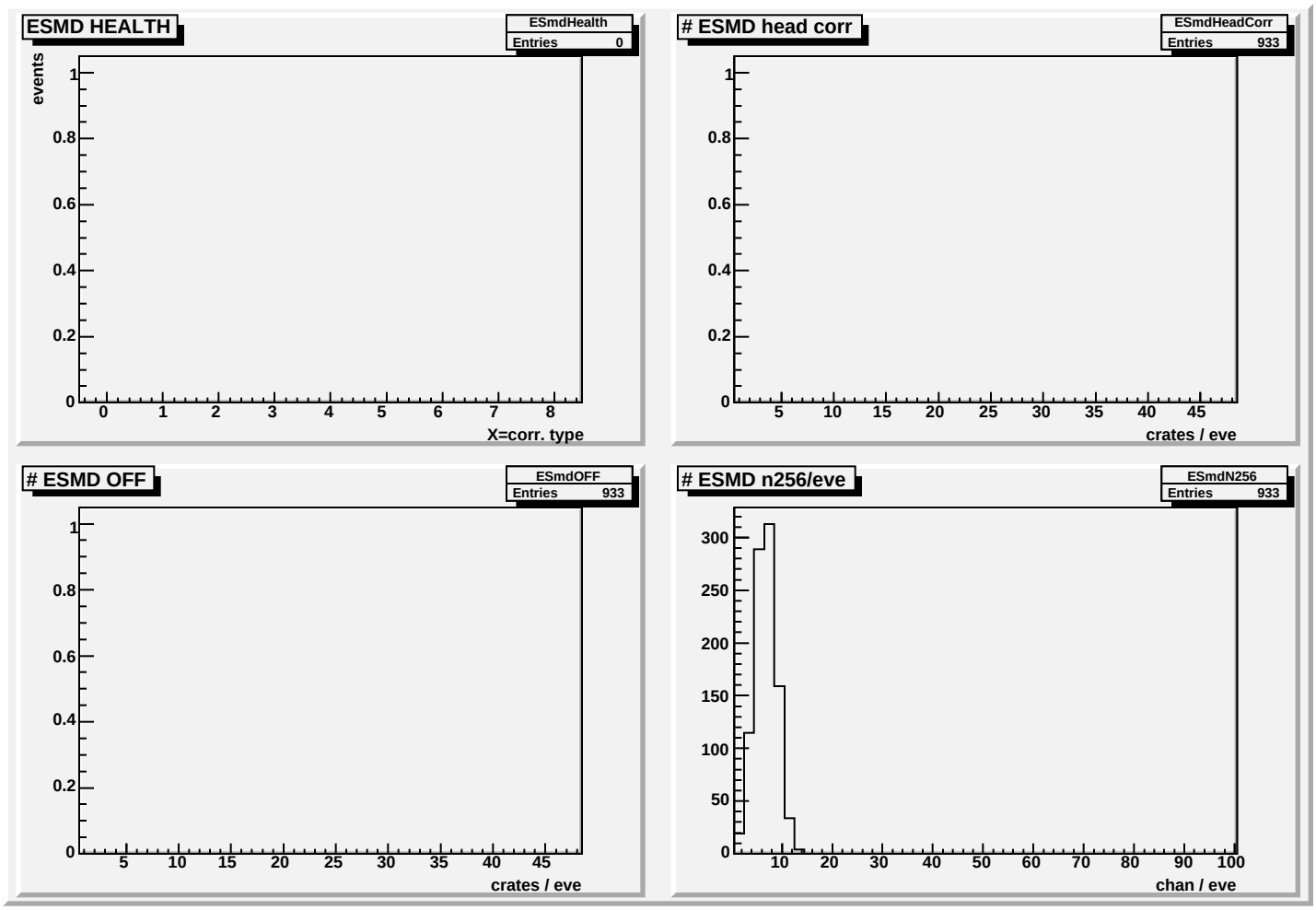

9TD-11TC thr=feePed+40
cr6Hot
Entries 66
10
1
0
20
40
60
80
100
120

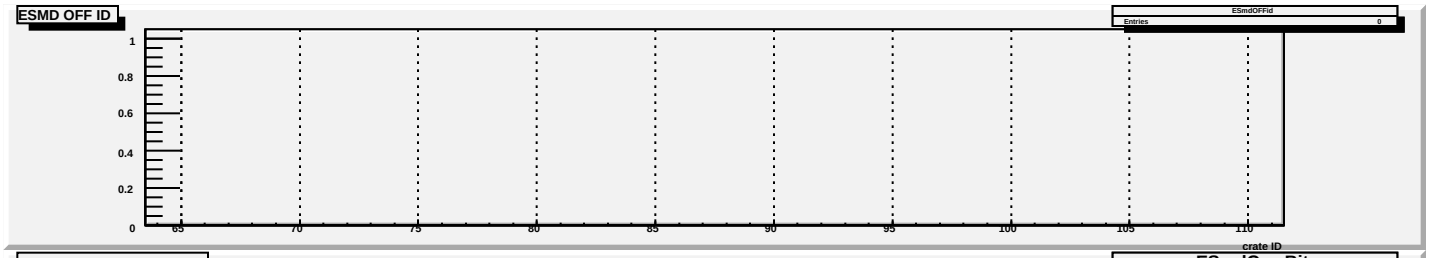

EEMC # Tower w/ adc>ped+40
HTow
Entries 933
10^2
10
1
0 10 20 30 40 50 60 70 80 90
Towers

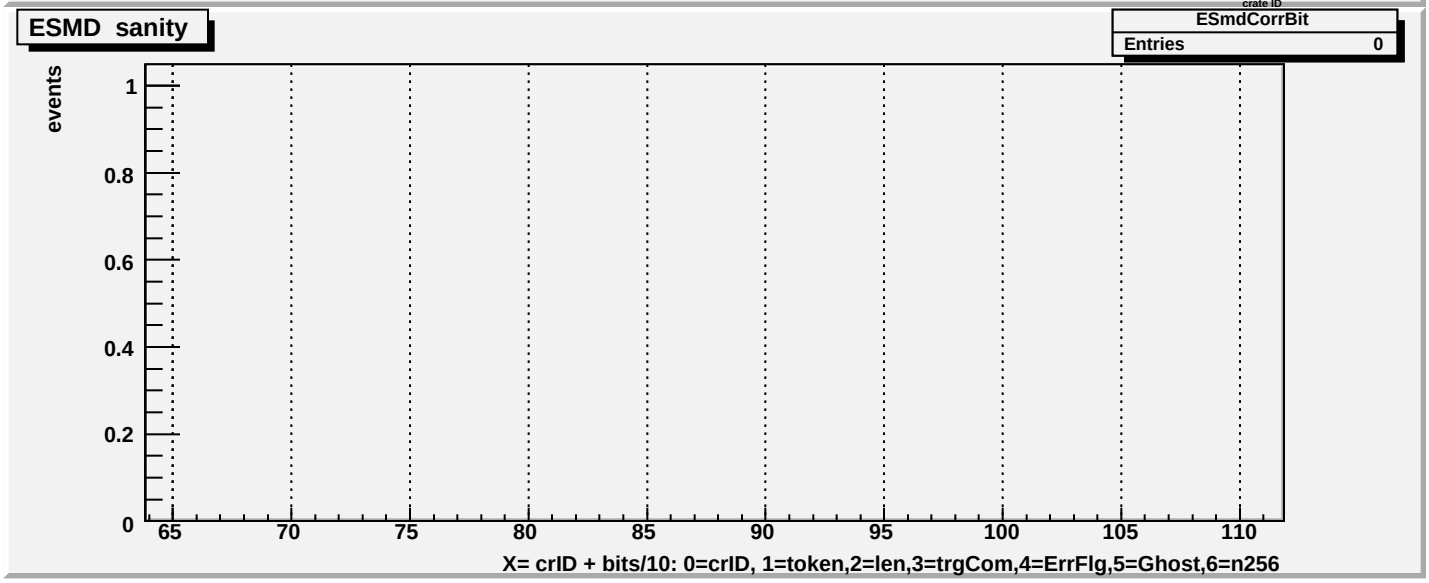

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 933
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

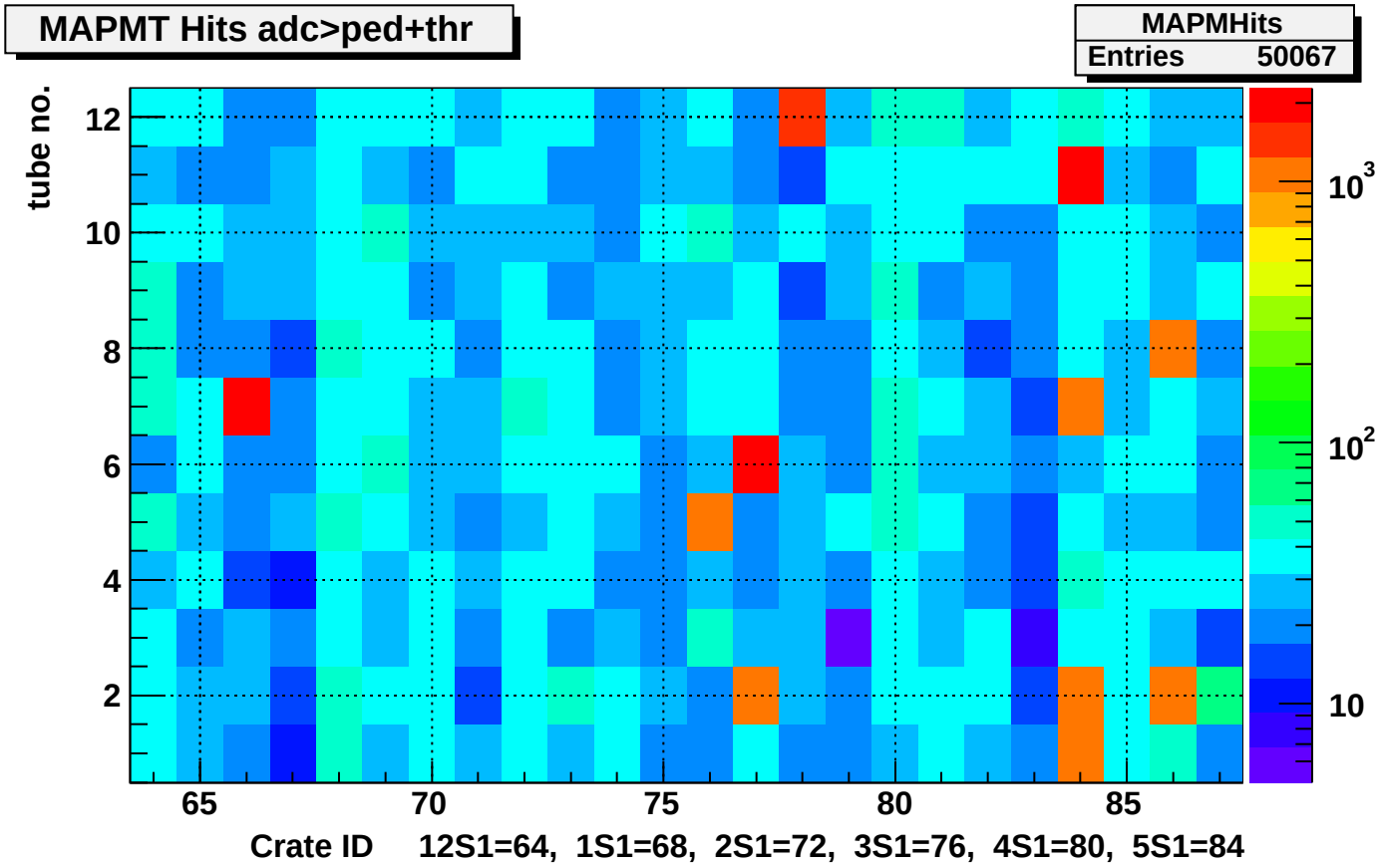

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 933
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

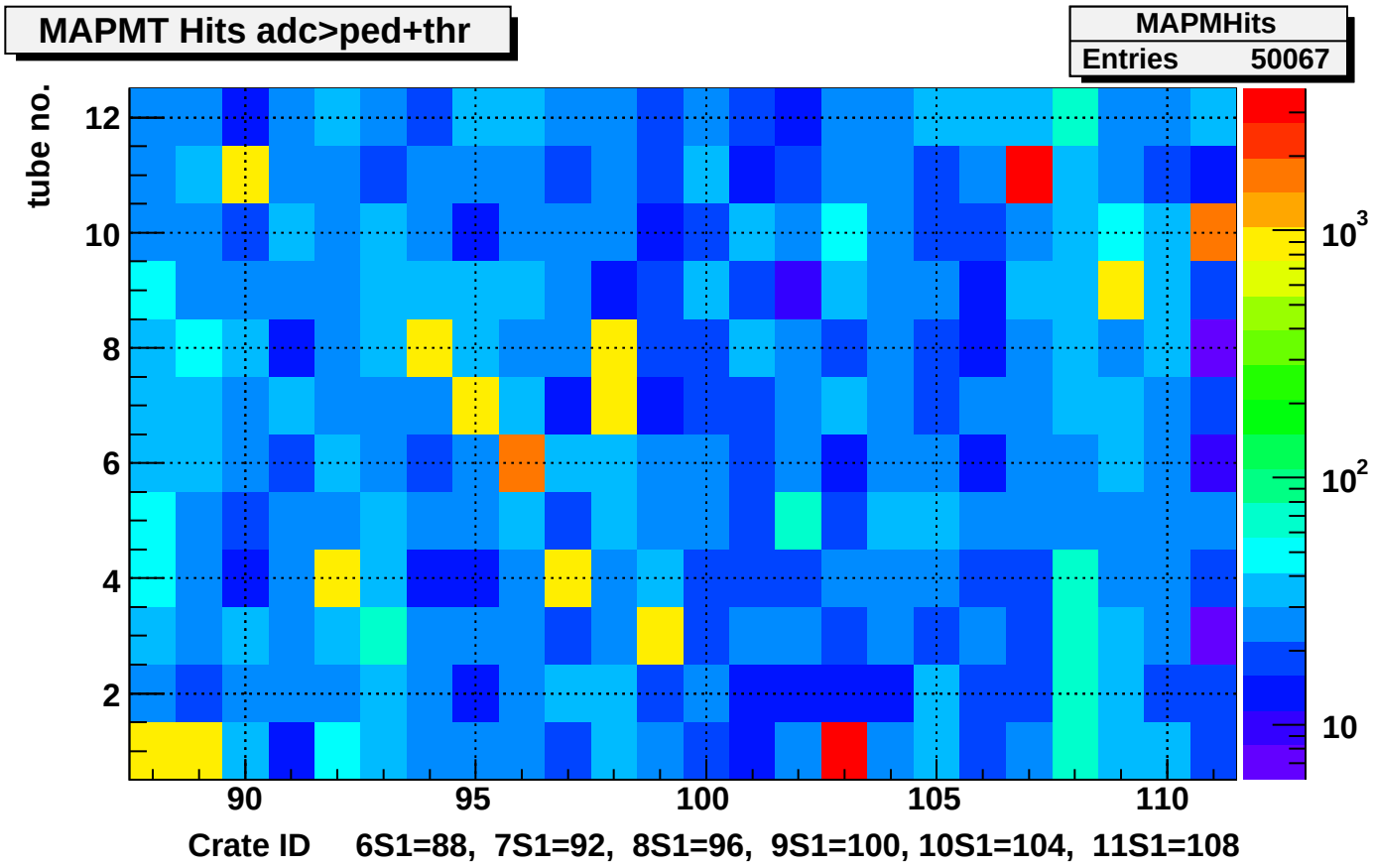

EEMC # Post w/ adc>ped+200
HPost
Entries 933
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

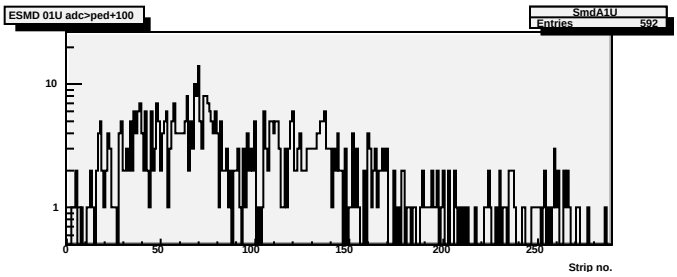

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type
# ESMD head corr
ESmdHeadCorr
Entries 933
crates / eve
ESMD OFF
ESmdOFF
Entries 933
crates / eve
ESMD n256/eve
ESmdN256
Entries 933
chan / eve

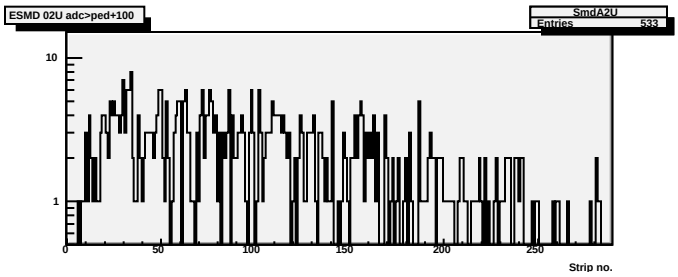

ESMD OFF ID
ESmdOFFId
Entries 0
crate ID

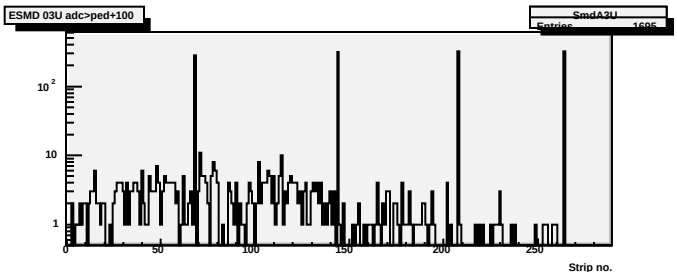

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

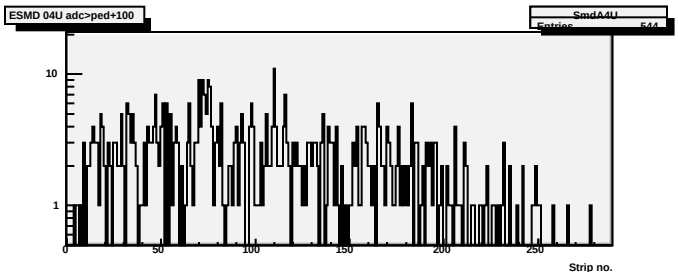

MAPMT Hits adc>ped+thr
MAPMHits
Entries 50067
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84
10^3
10^2
10

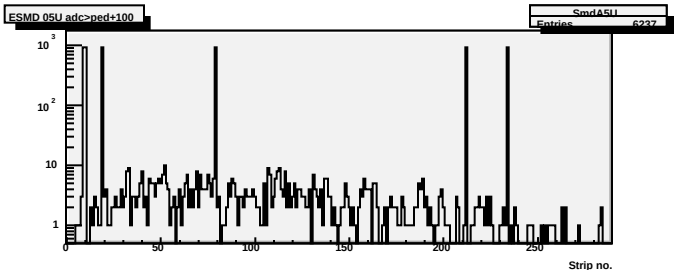

MAPMT Hits adc>ped+thr
MAPMHits
Entries 50067
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108
10^3
10^2
10

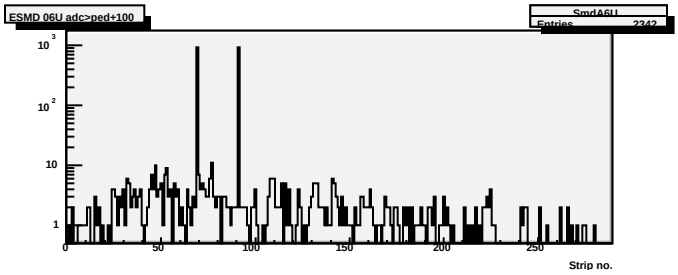

ESMD 01U adc>ped+100
SmdA1U
Entries 592
Strip no.

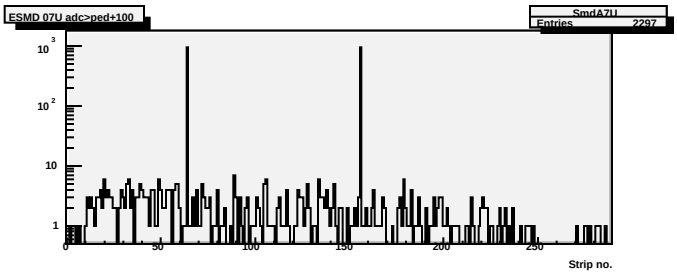

ESMD 02U adc>ped+100
SmdA2U
Entries 533
Strip no.

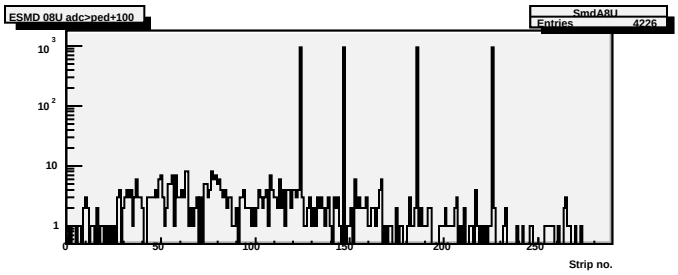

ESMD 03U adc>ped+100
SmdA3U
Entries 1695
Strip no.

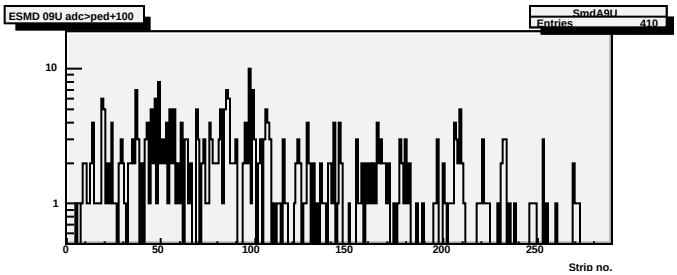

ESMD 04U adc>ped+100
SmdA4U
Entries 544
Strip no.

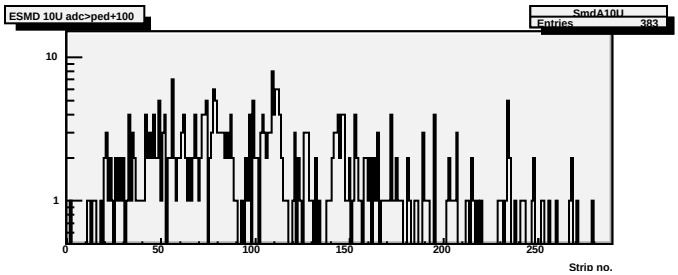

ESMD 05U adc>ped+100
SmdA5U
Entries 6237
Strip no.

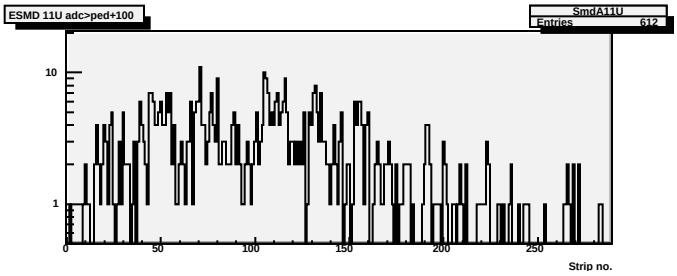

ESMD 06U adc>ped+100
SmdA6U
Entries 2342
Strip no.

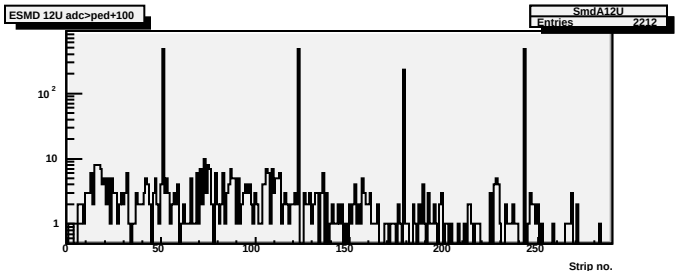

ESMD 07U adc>ped+100
SmdA7U
Entries 2297
Strip no.

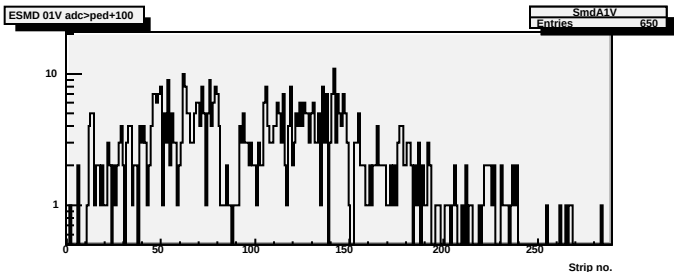

ESMD 08U adc>ped+100
SmdA8U
Entries 4226
Strip no.

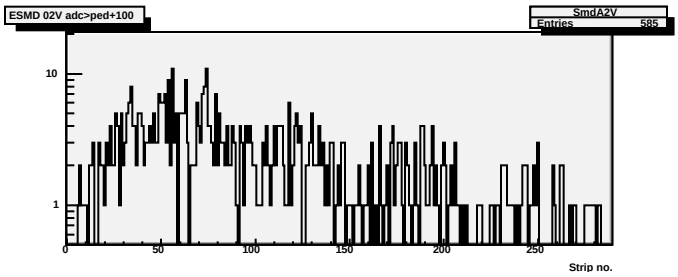

ESMD 09U adc>ped+100
SmdA9U
Entries 410
Strip no.

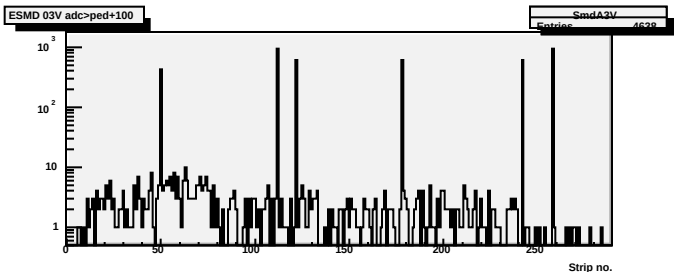

ESMD 10U adc>ped+100
SmdA10U
Entries 383
Strip no.

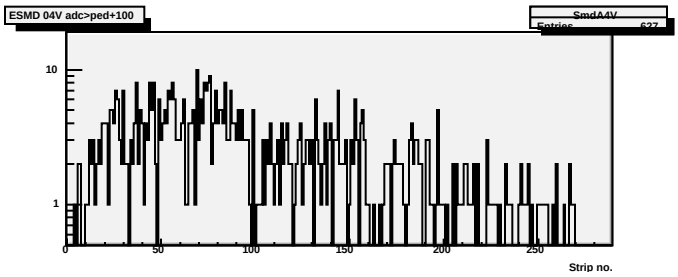

ESMD 11U adc>ped+100
SmdA11U
Entries 612
Strip no.

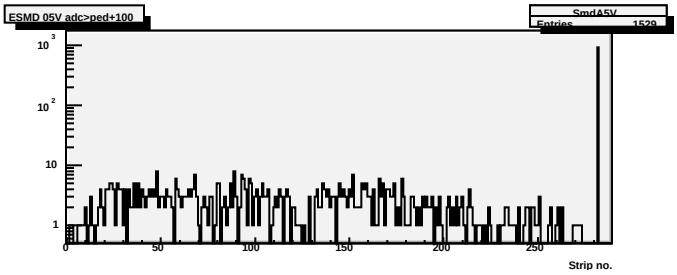

ESMD 12U adc>ped+100
SmdA12U
Entries 2212
Strip no.

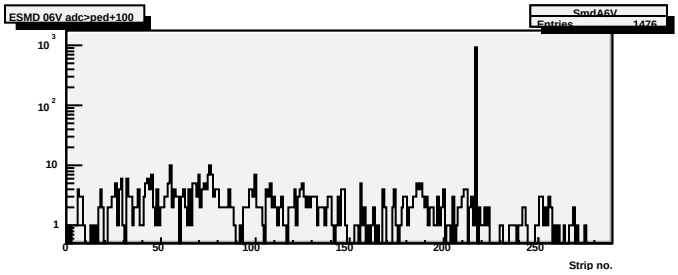

ESMD 01V adc>ped+100
SmdA1V
Entries 650
Strip no.

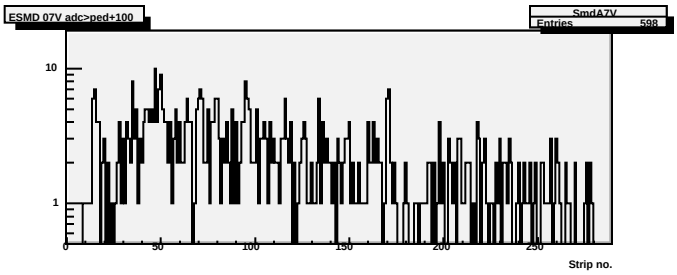

ESMD 02V adc>ped+100
SmdA2V
Entries 585
Strip no.

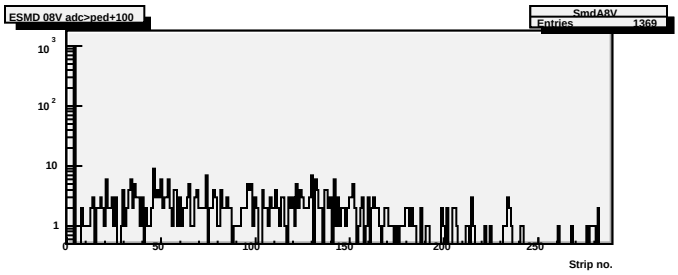

ESMD 03V adc>ped+100
SmdA3V
Entries 4638
Strip no.

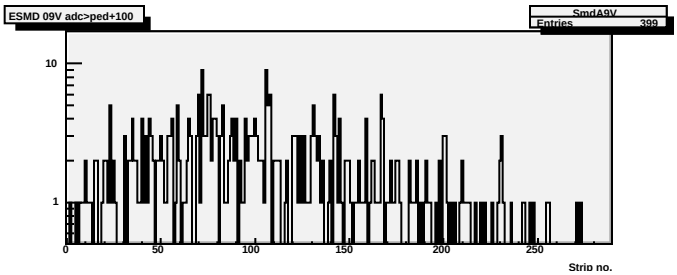

ESMD 04V adc>ped+100
SmdA4V
Entries 627
Strip no.

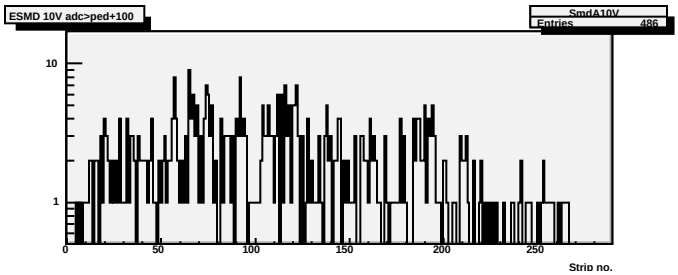

ESMD 05V adc>ped+100
SmdA5V
Entries 1529
Strip no.

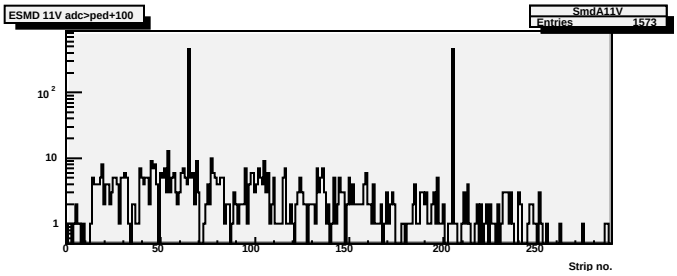

ESMD 06V adc>ped+100
SmdA6V
Entries 1476
Strip no.

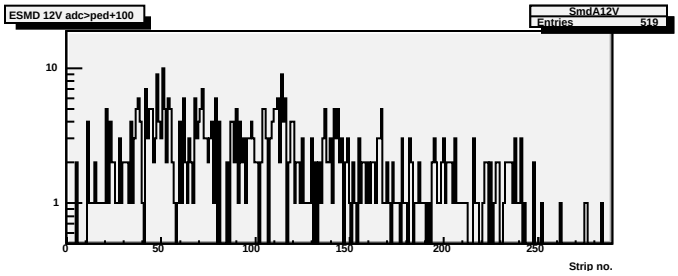

ESMD 07V adc>ped+100
SmdA7V
Entries 598
Strip no.

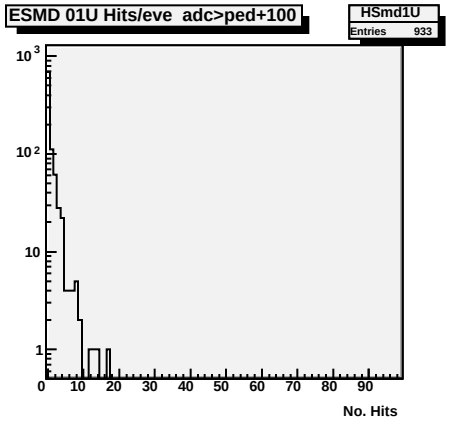

ESMD 08V adc>ped+100
SmdA8V
Entries 1369
Strip no.

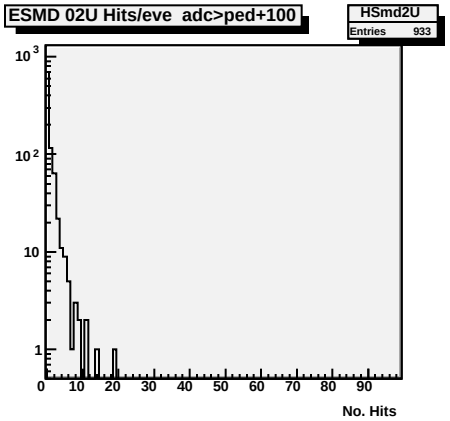

ESMD 09V adc>ped+100
SmdA9V
Entries 399
Strip no.


ESMD 10V adc>ped+100
SmdA10V
Entries 486
Strip no.


ESMD 11V adc>ped+100
SmdA11V
Entries 1573
Strip no.


ESMD 12V adc>ped+100
SmdA12V
Entries 519
Strip no.


ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 933
No. Hits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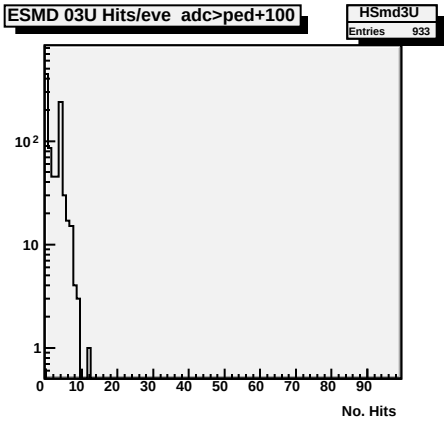
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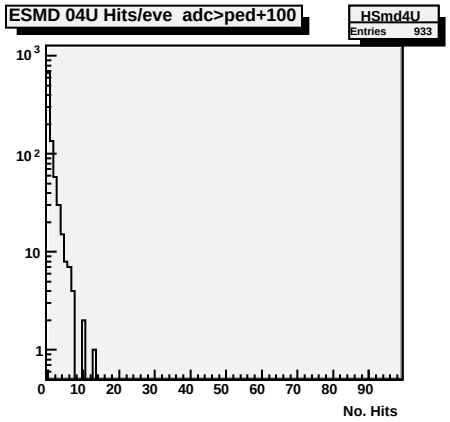
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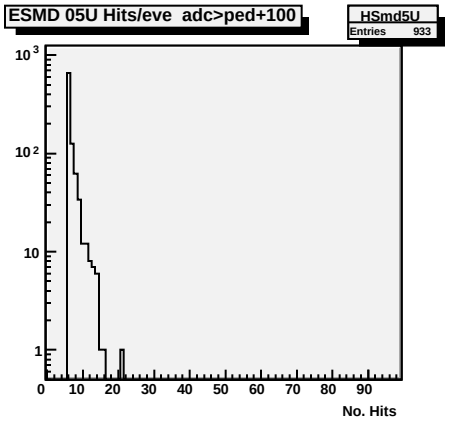
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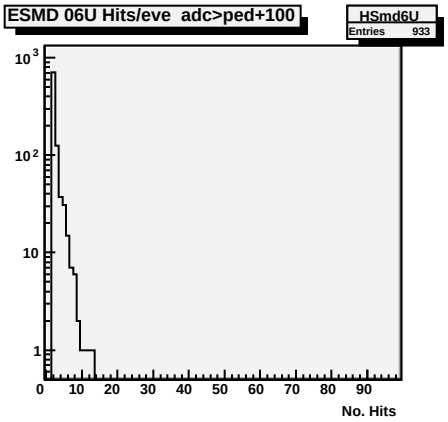
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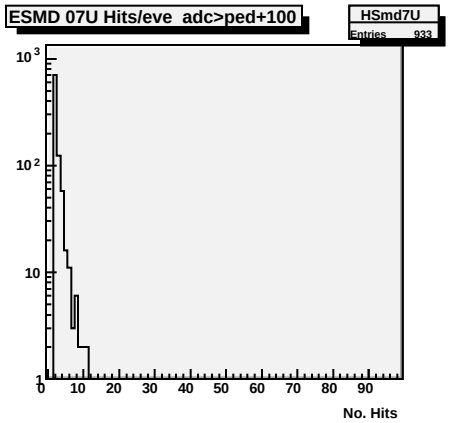
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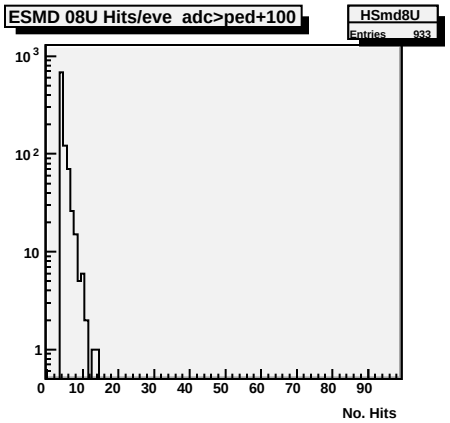
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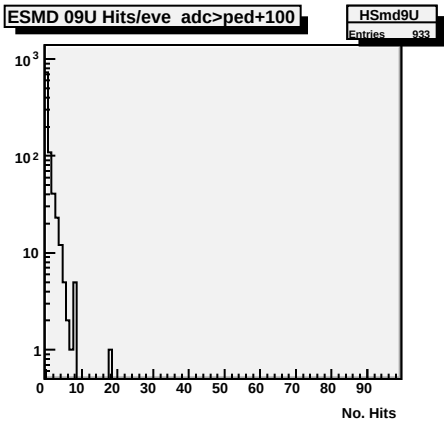
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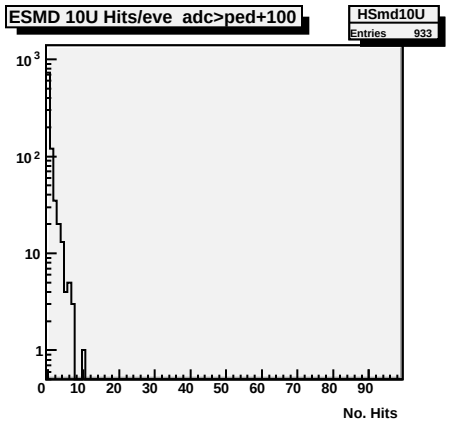
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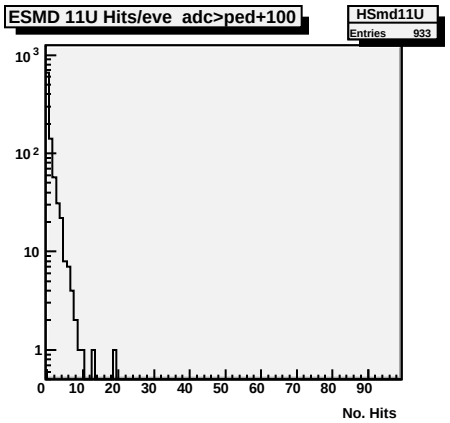
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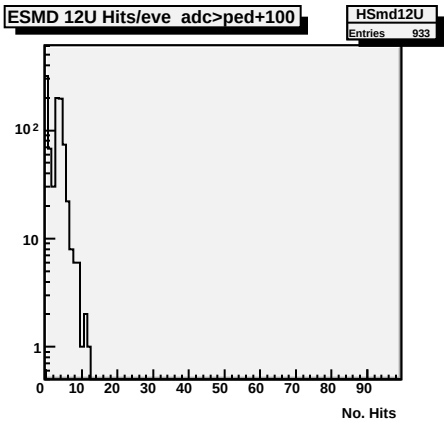
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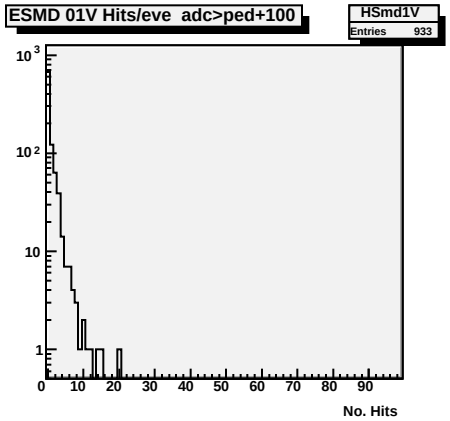
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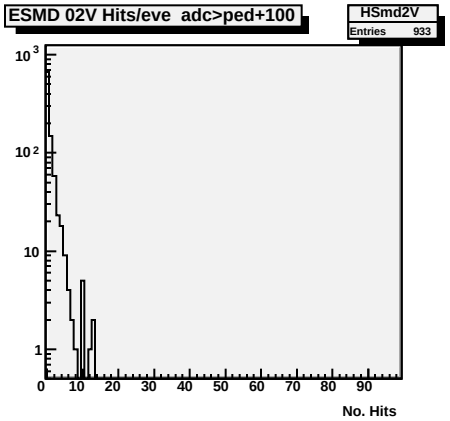
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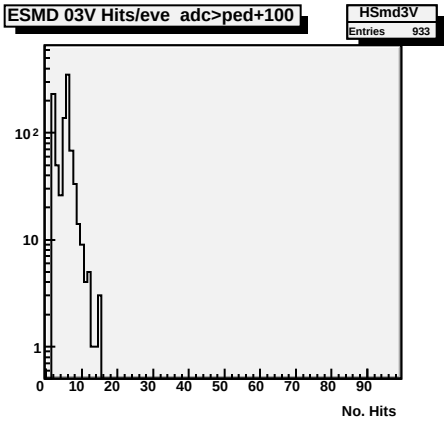
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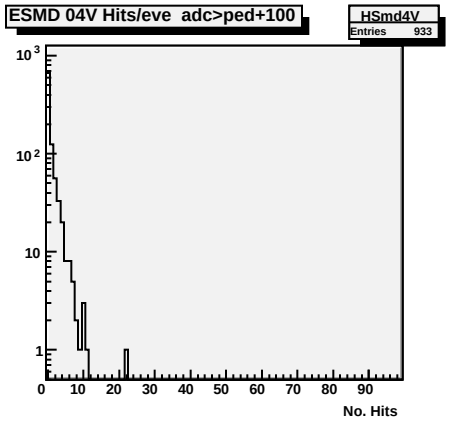
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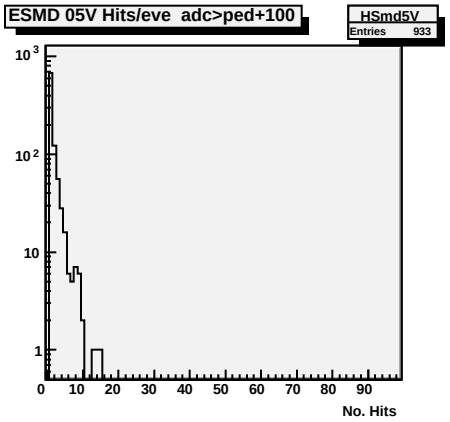
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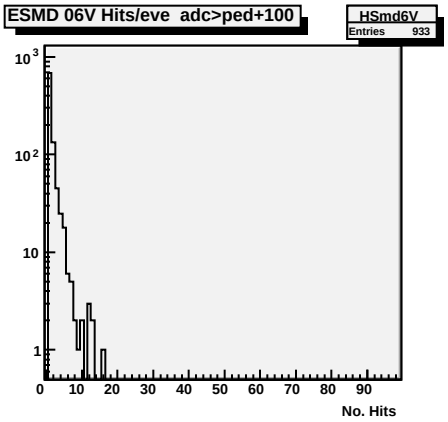
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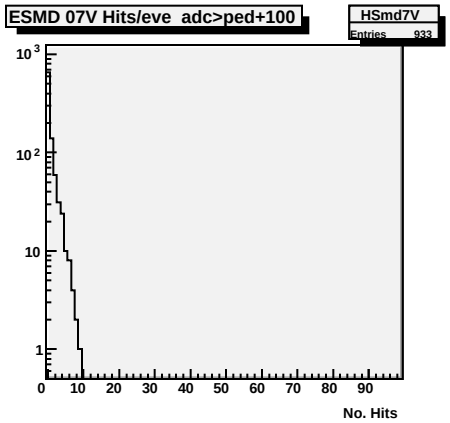
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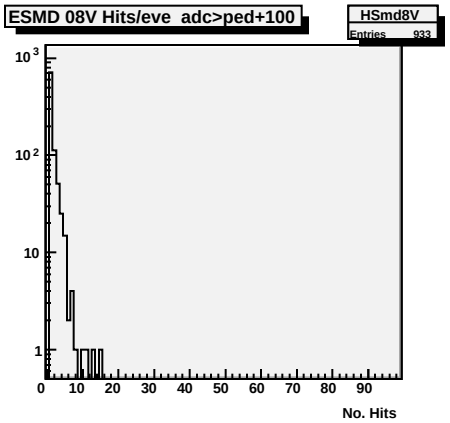
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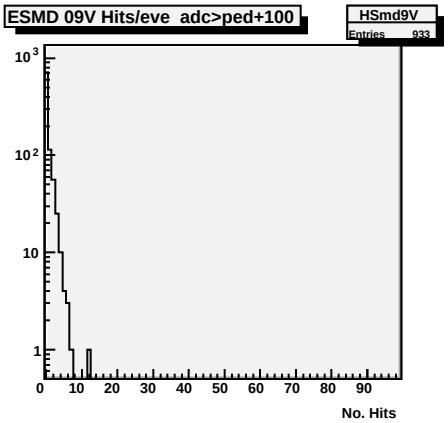
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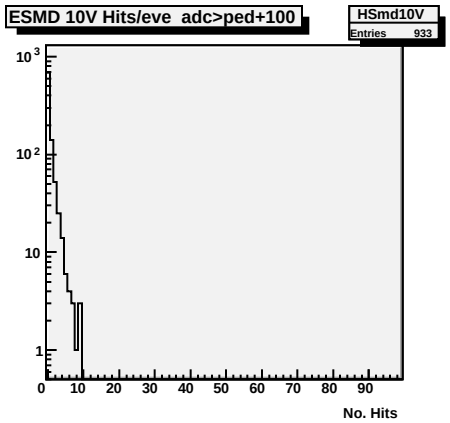
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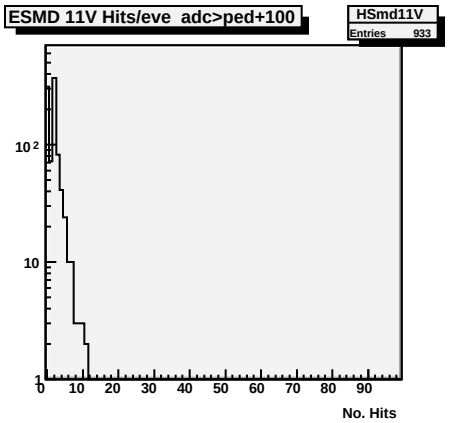
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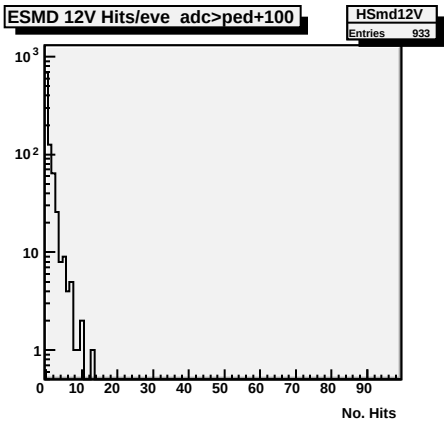
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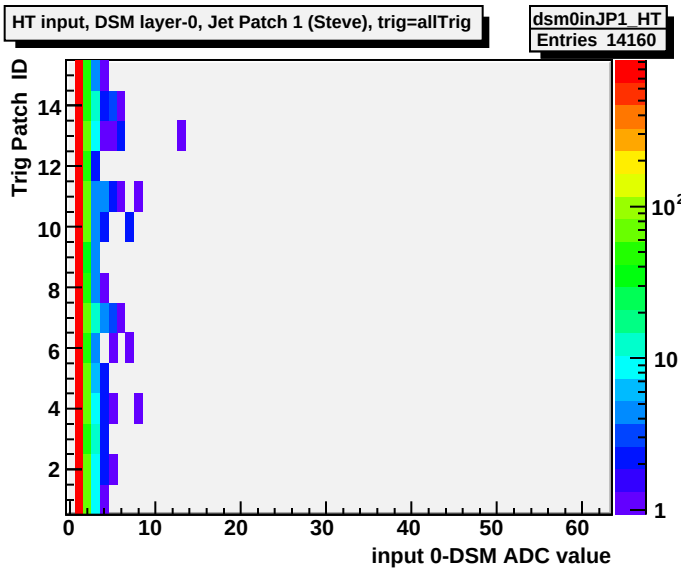
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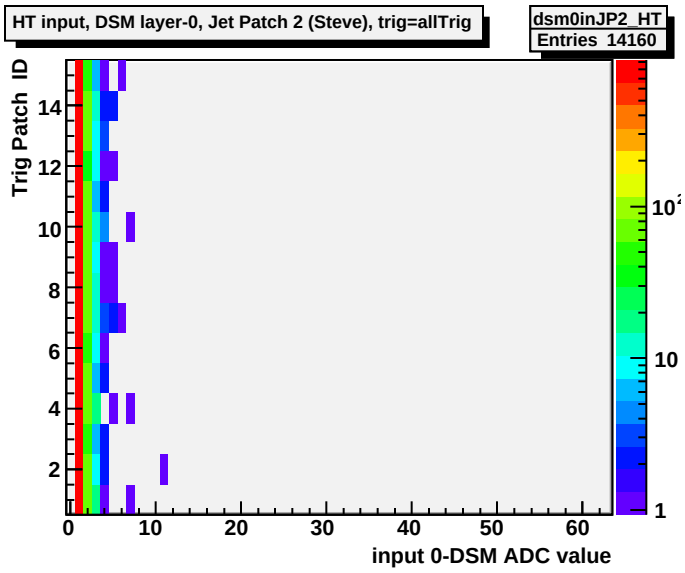
Entries 14160
Trig Patch ID
input 0-DSM ADC value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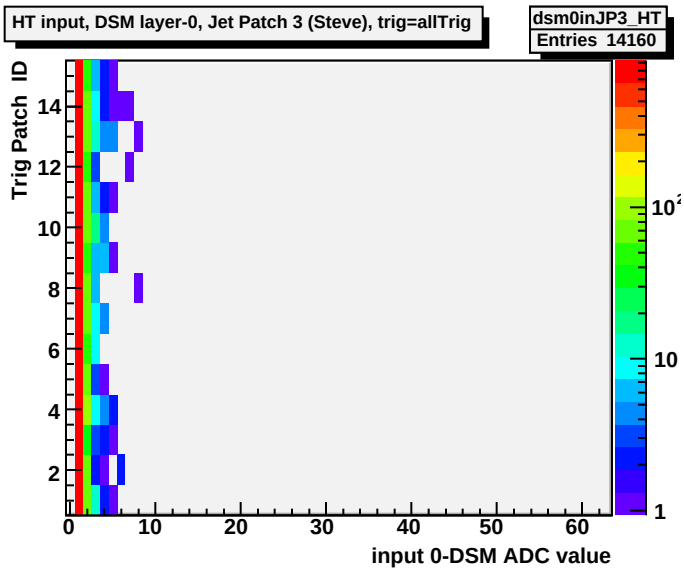
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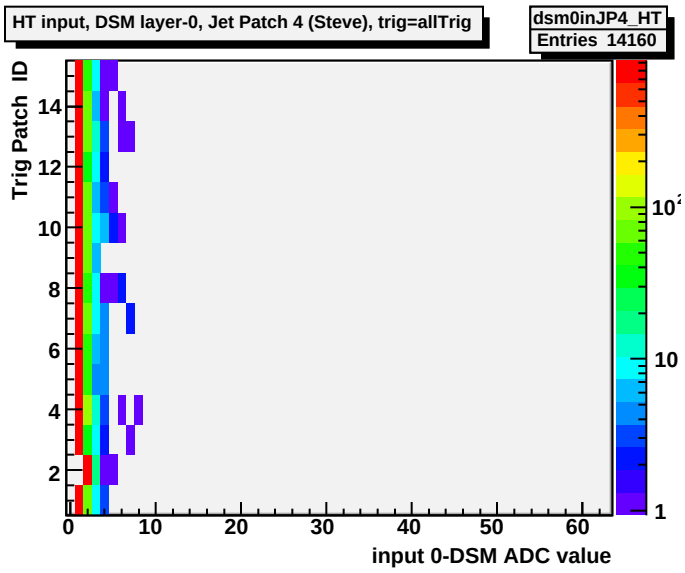
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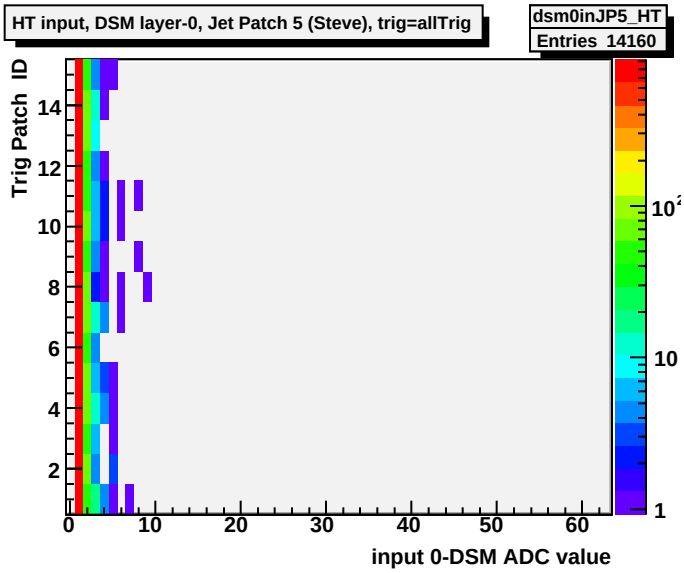
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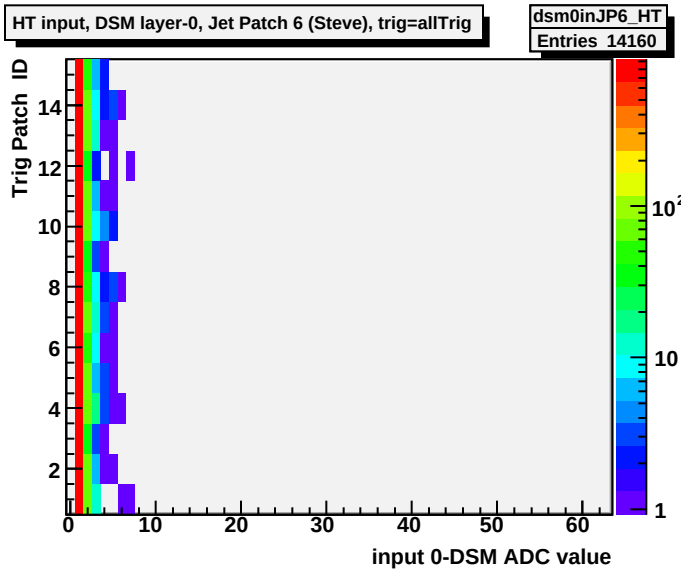
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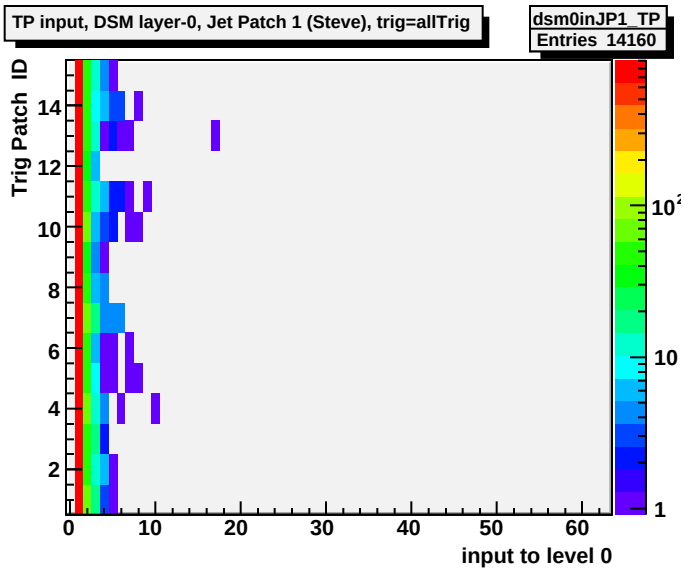
input 0-DSM ADC value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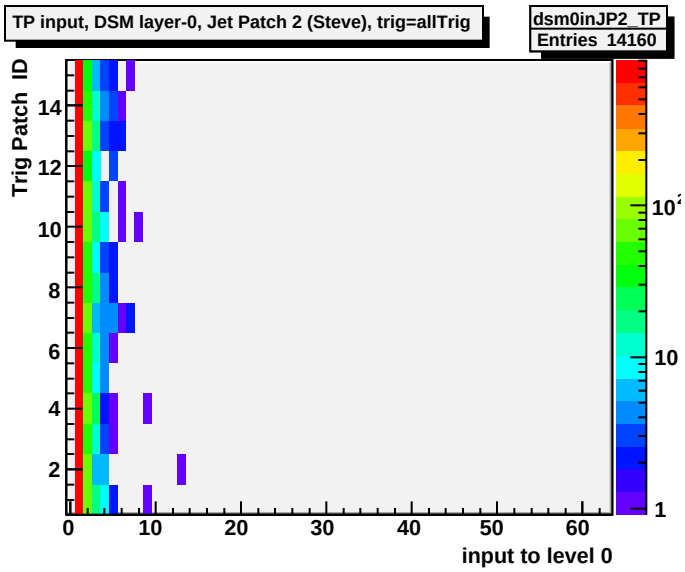
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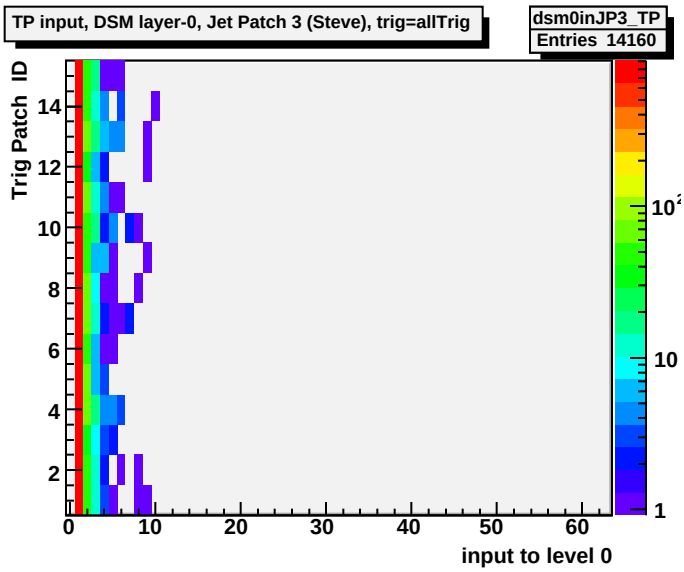
input to level 0


TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
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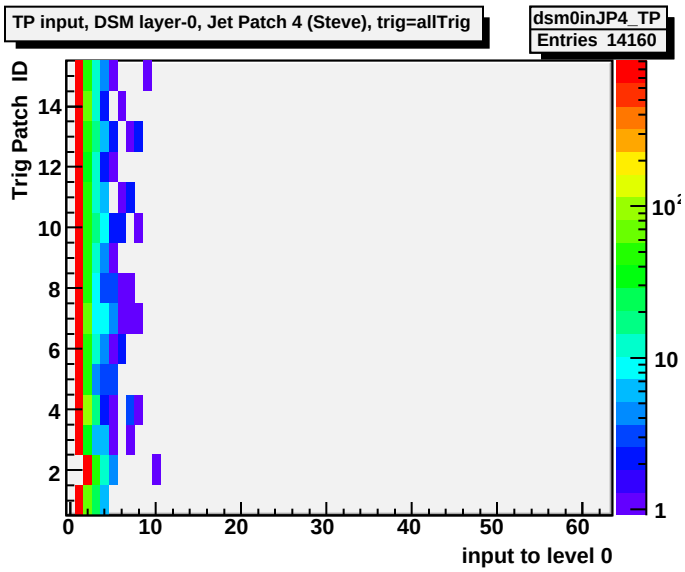
input to level 0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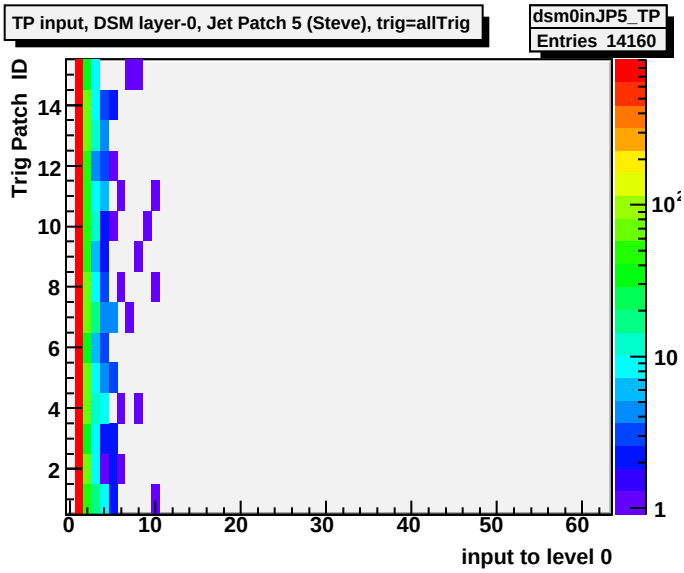
TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
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Entries 14160
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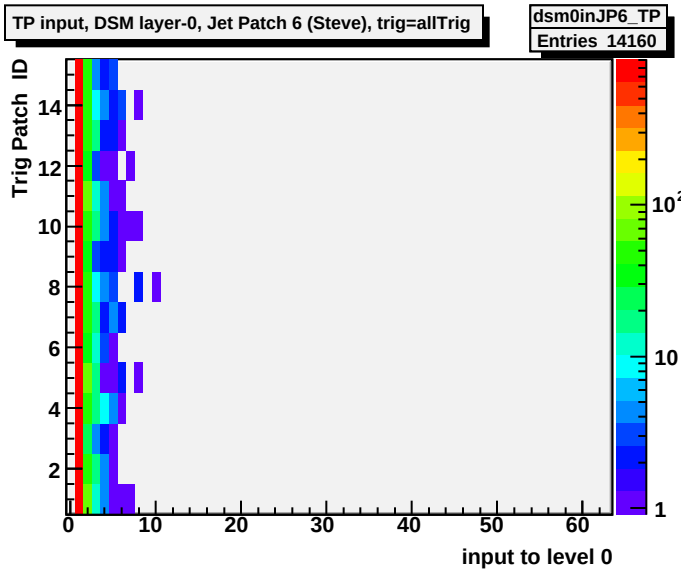
input to level 0


TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
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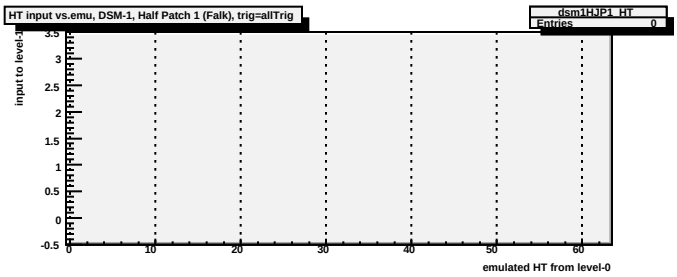
Entries 14160
Trig Patch ID
input to level 0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Entries 0
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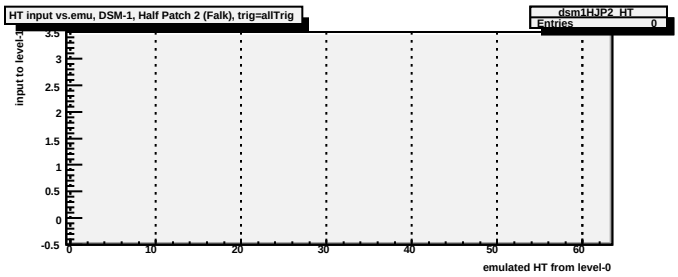
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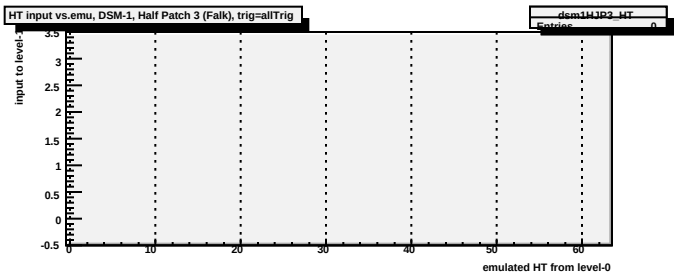
emulated HT from level-0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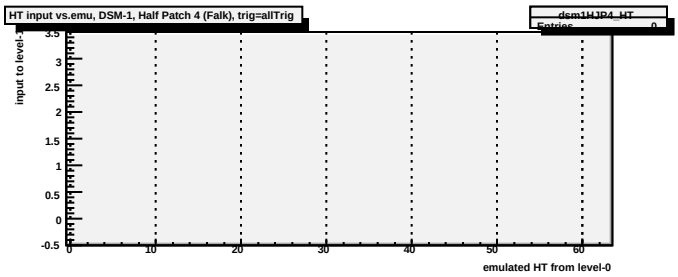
input to level-1
emulated HT from level-0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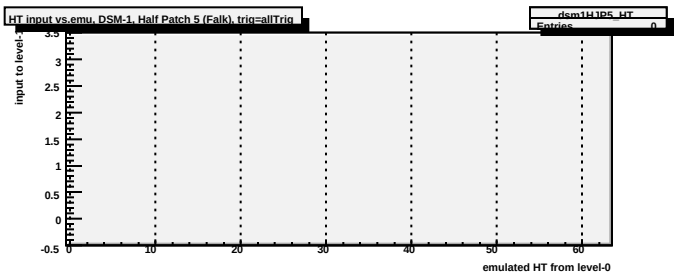
Entries 0
input to level-1
emulated HT from level-0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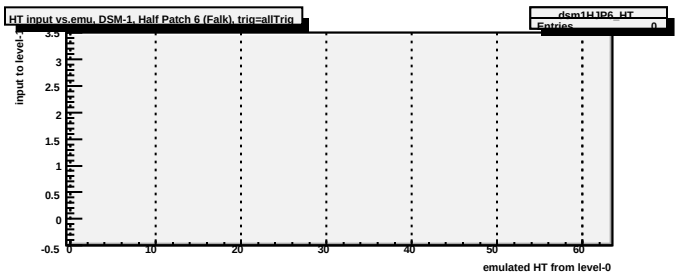
Entries 0
input to level-1
emulated HT from level-0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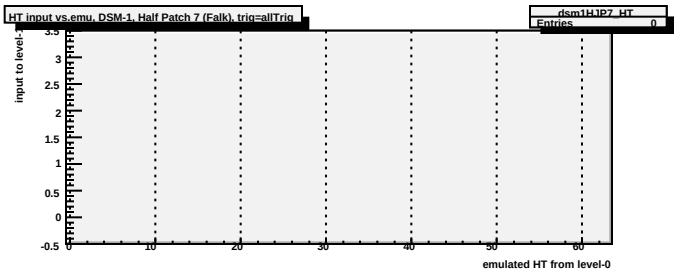
Entries 0
input to level-1
emulated HT from level-0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dsm1HJP7_HT
Entries 0
input to level-1
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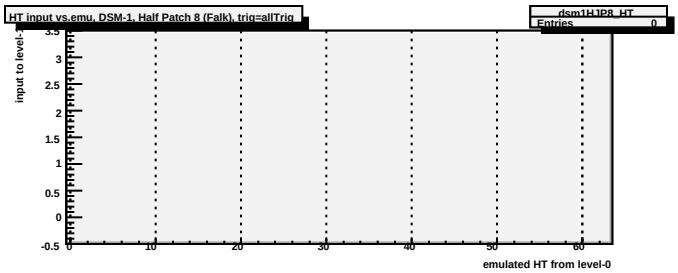
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input to level-1
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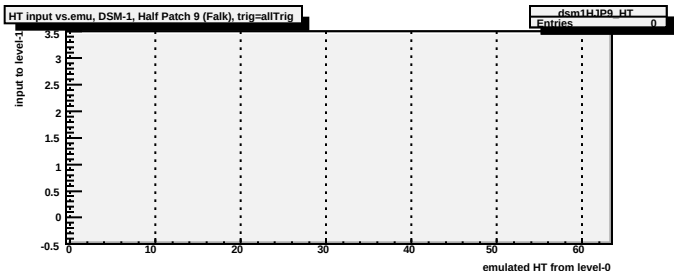
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Entries 0
input to level-1
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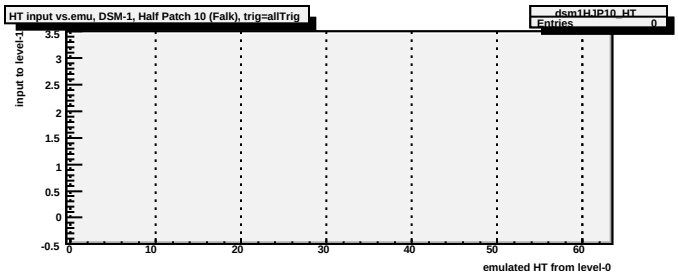
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Entries 0
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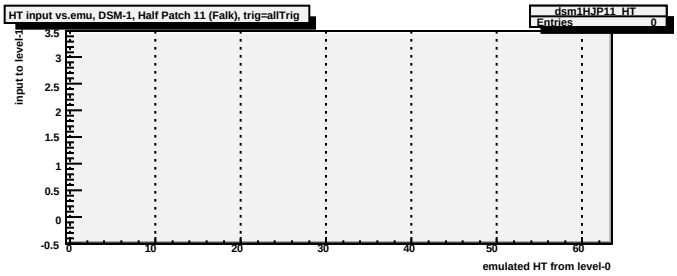
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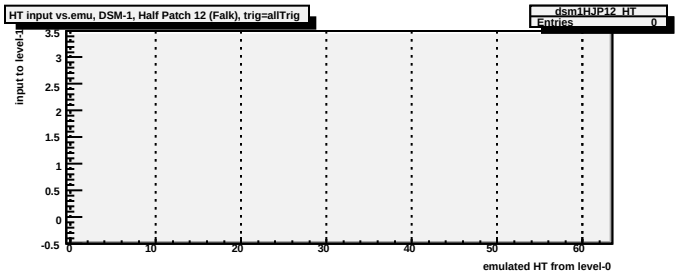
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Entries 0
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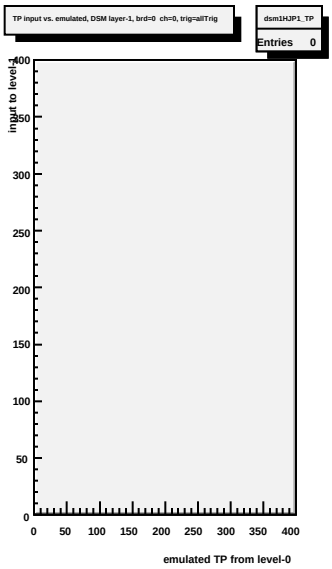
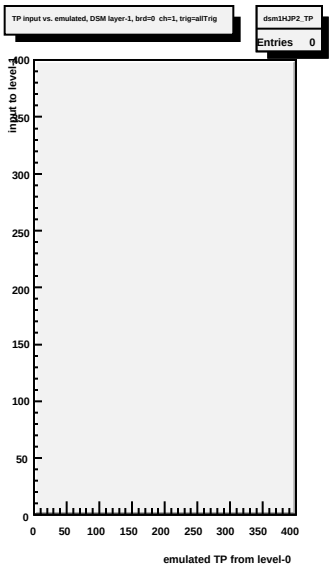
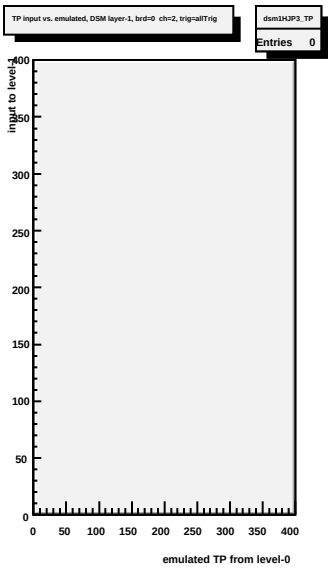
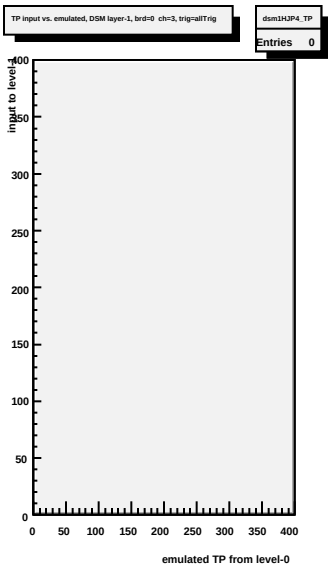
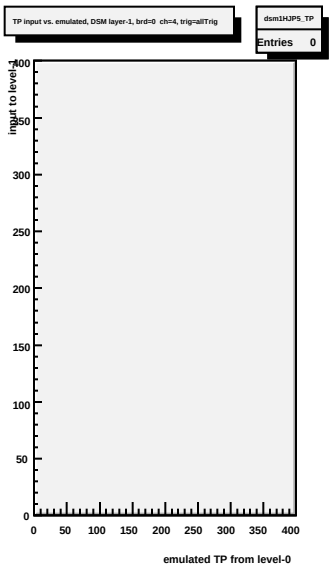
emulated HT from level-0

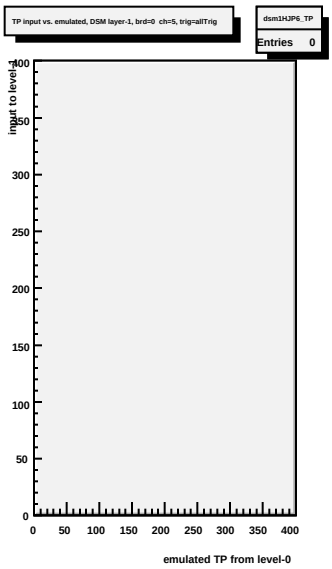

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
input to level-1
emulated TP from level-0

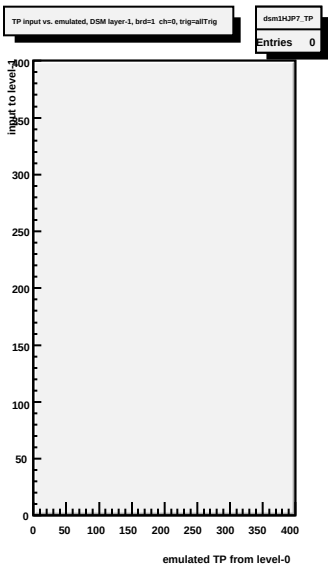

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

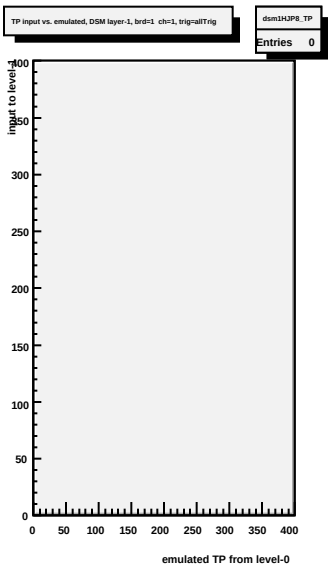

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

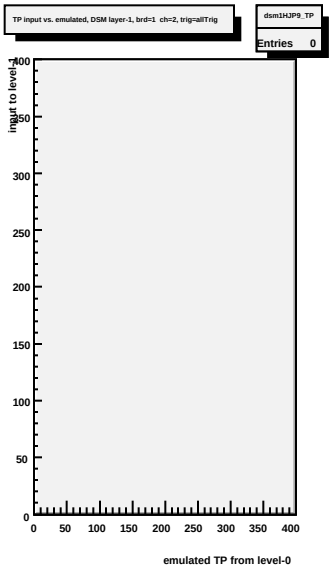

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

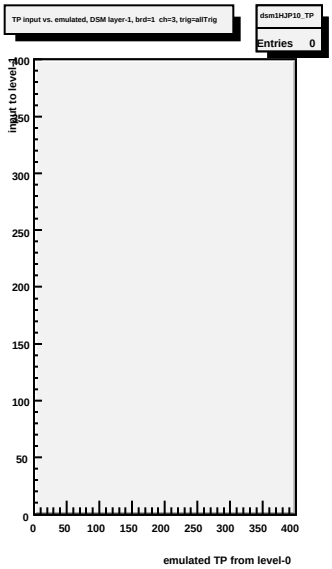

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

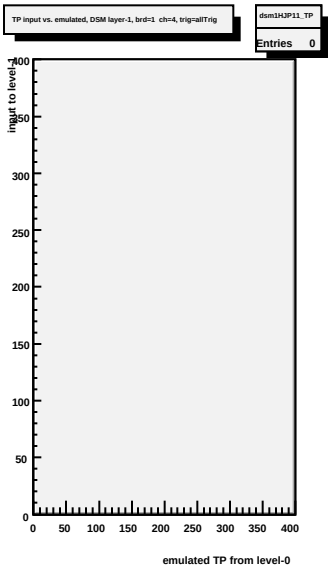

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

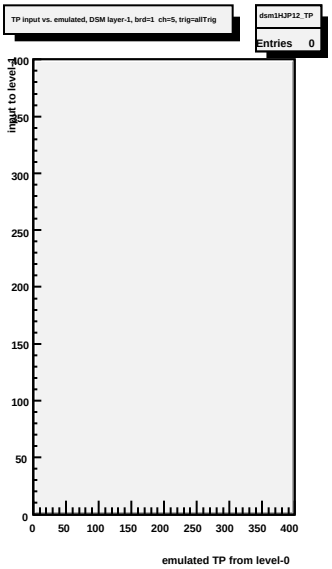

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

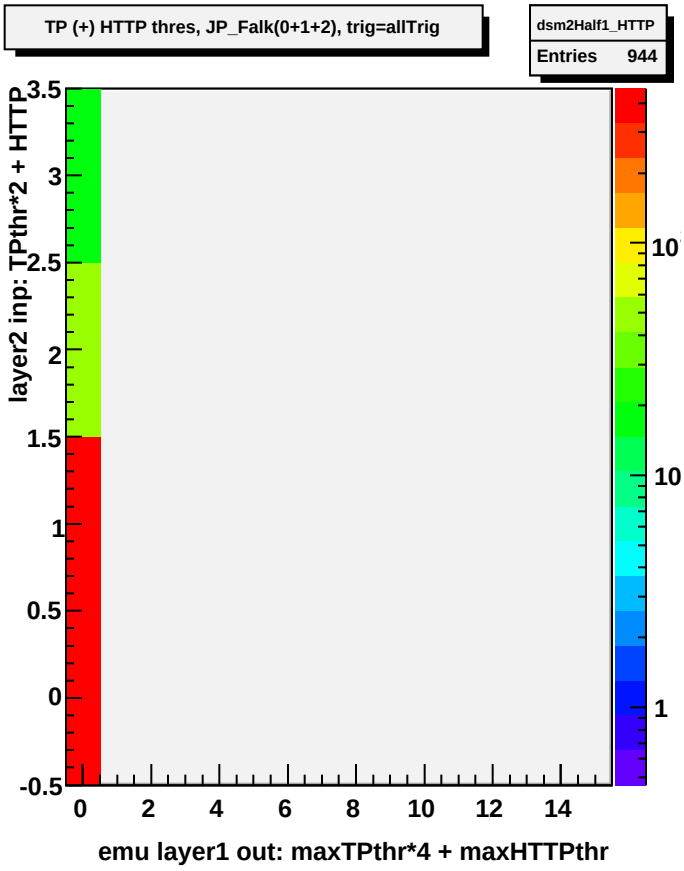

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

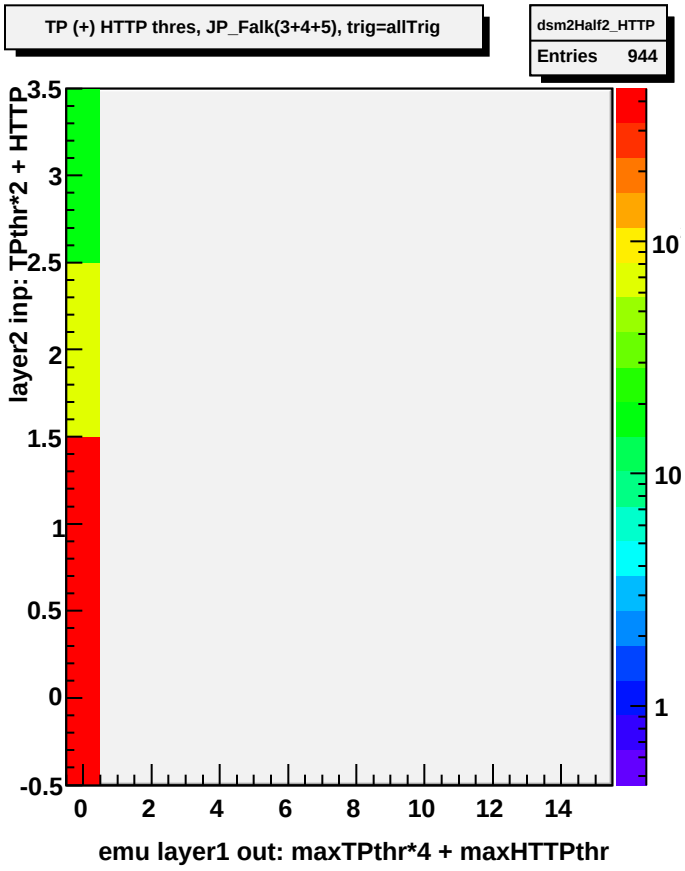

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

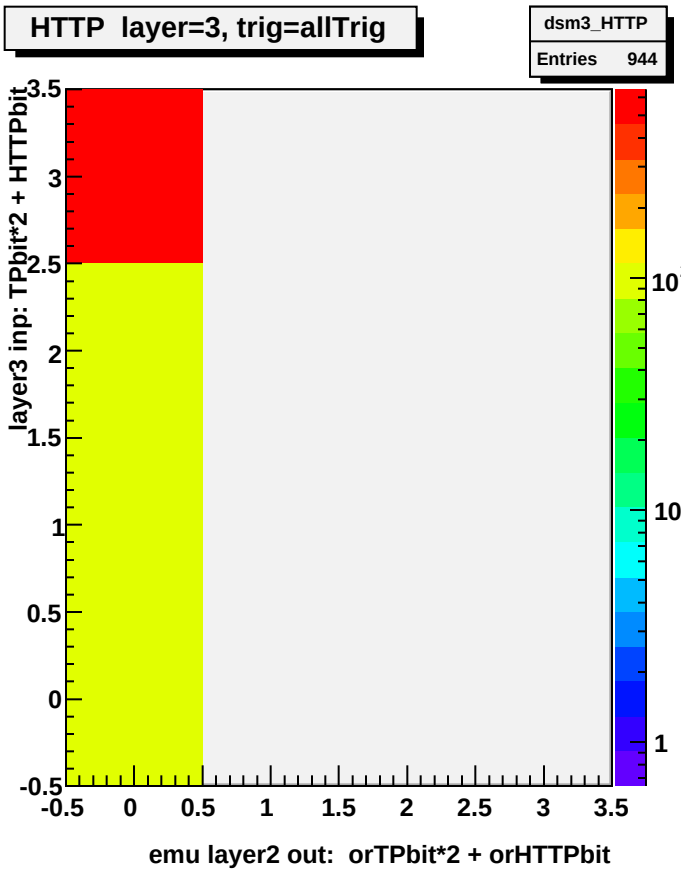

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

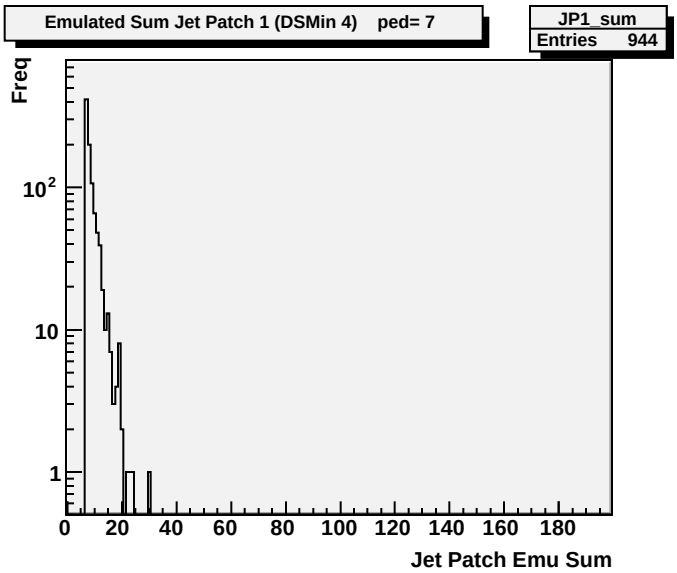

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

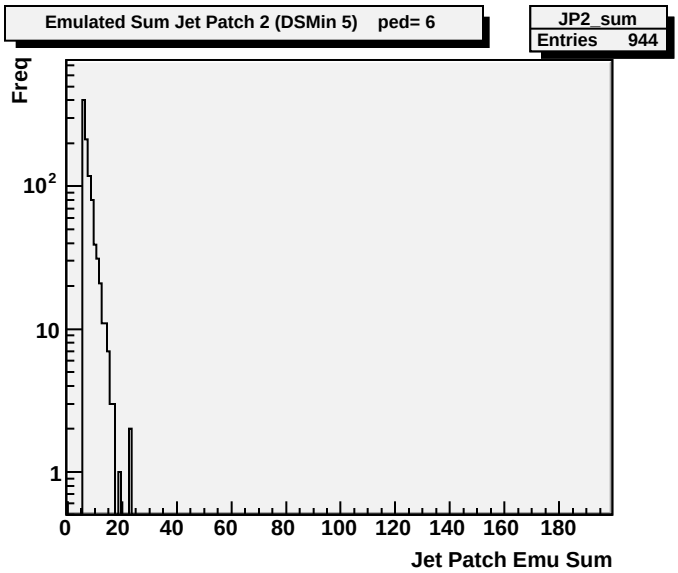

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

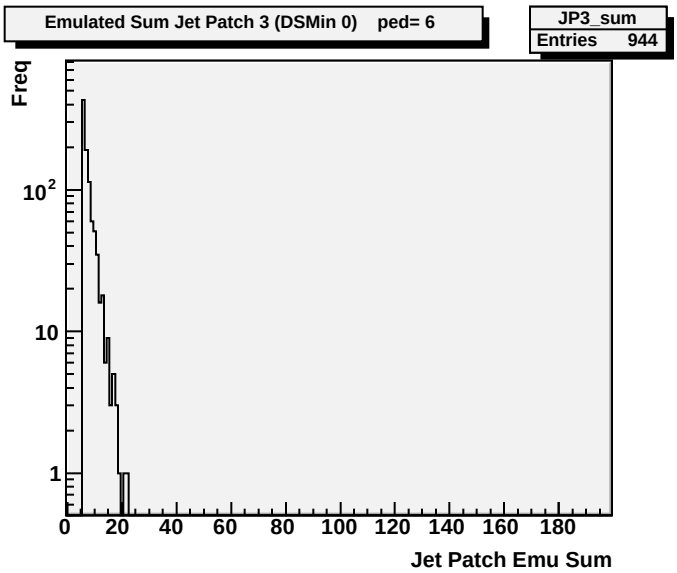

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 944
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

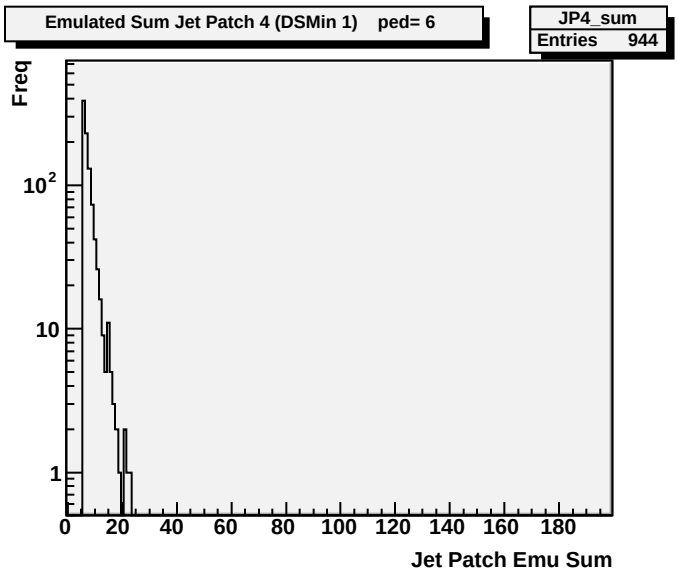

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 944
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

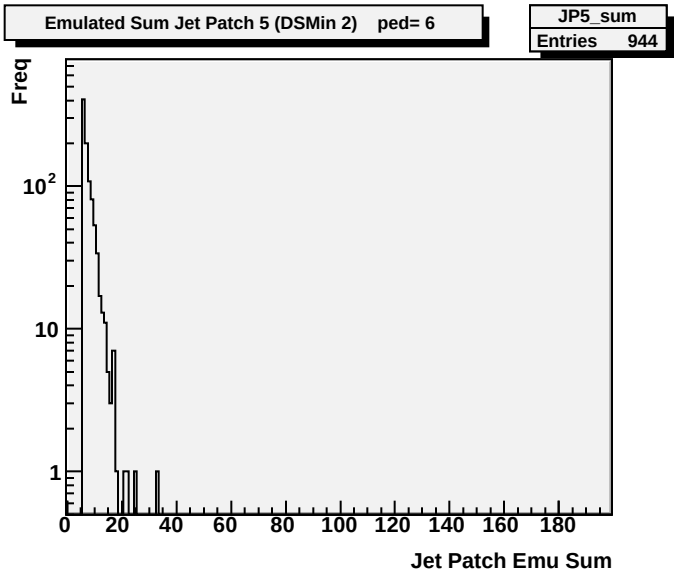

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 944
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

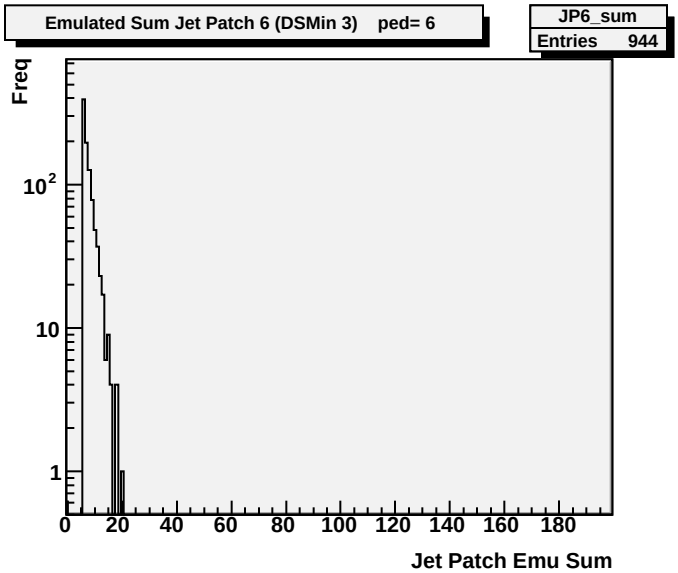

Emulated Sum Jet Patch 1 (DSMin 4) ped= 7
JP1_sum
Entries 944
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

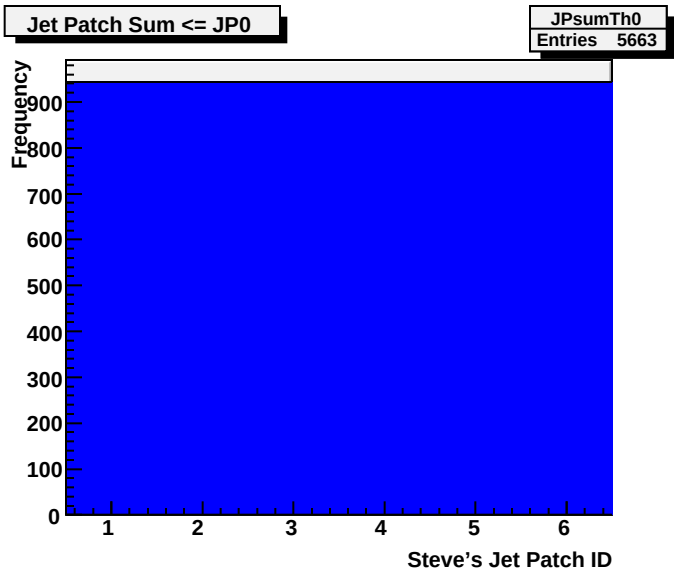

Emulated Sum Jet Patch 2 (DSMin 5) ped= 6
JP2_sum
Entries 944
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

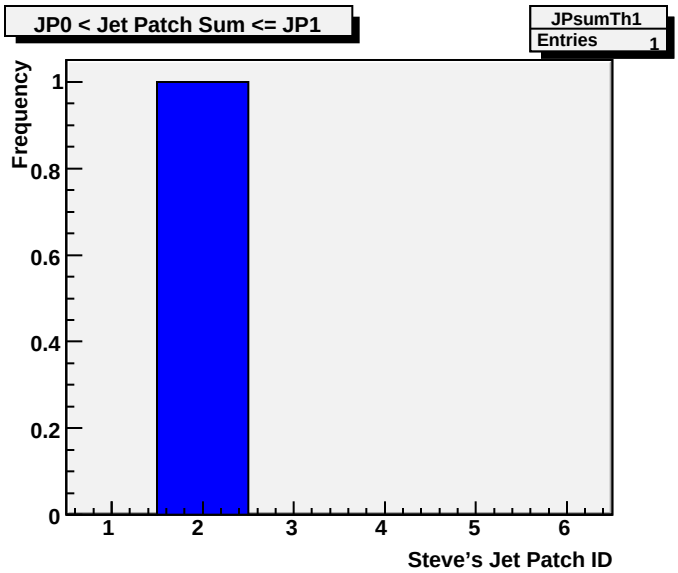

Emulated Sum Jet Patch 3 (DSMin 0) ped= 6
JP3_sum
Entries 944
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

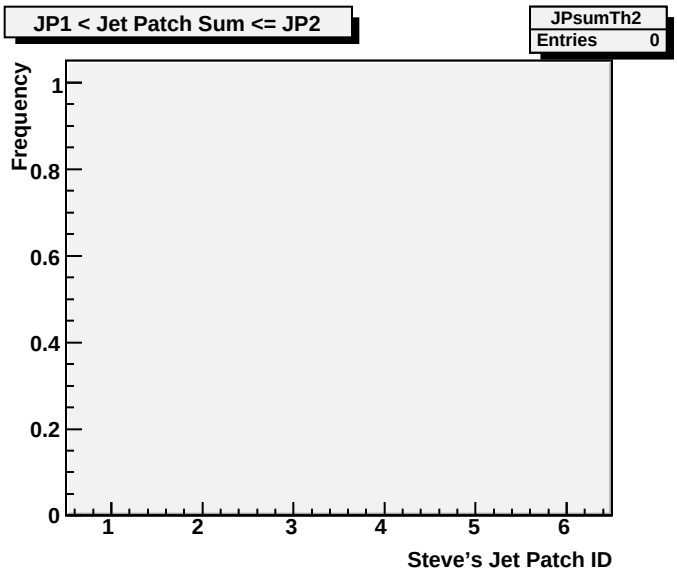

Emulated Sum Jet Patch 4 (DSMin 1) ped= 6
JP4_sum
Entries 944
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

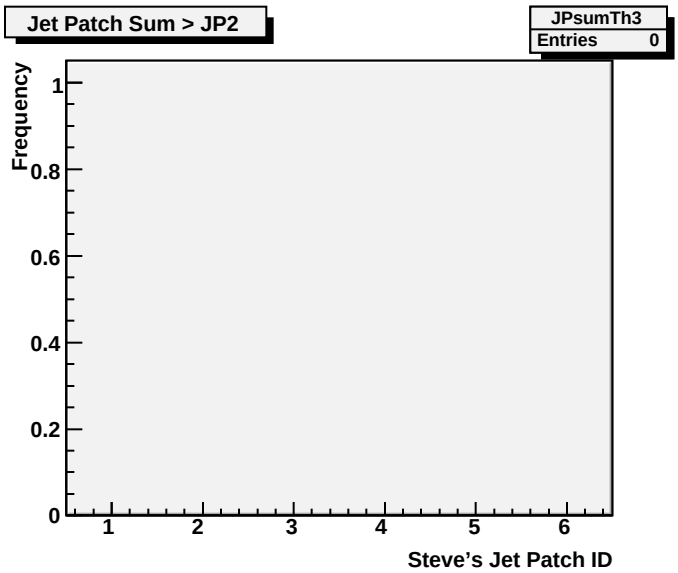

Emulated Sum Jet Patch 5 (DSMin 2) ped= 6
JP5_sum
Entries 944
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

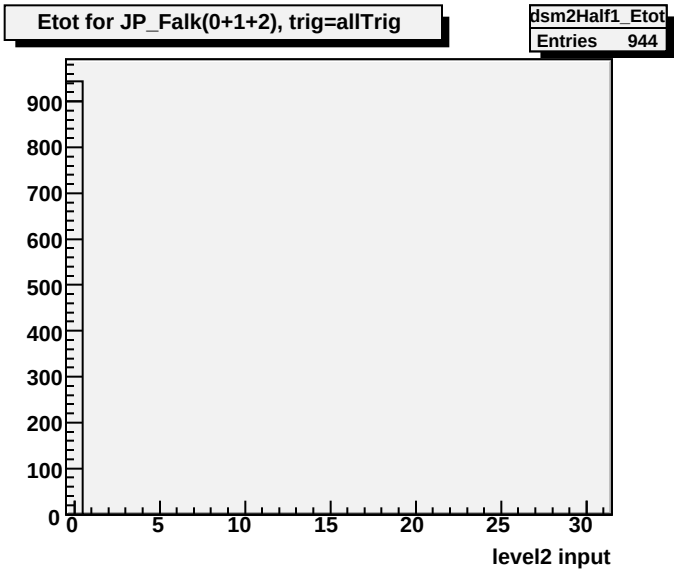

Emulated Sum Jet Patch 6 (DSMin 3) ped= 6
JP6_sum
Entries 944
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

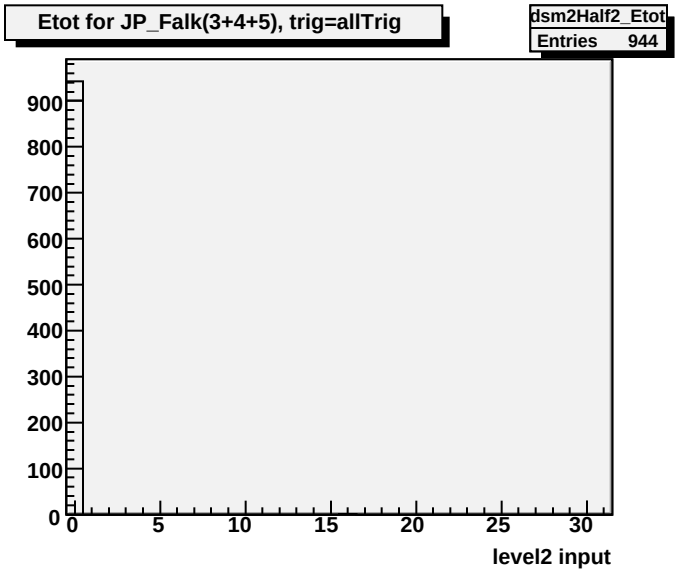

Jet Patch Sum <= JP0
JPsumTh0
Entries 5663
Frequency
Steve's Jet Patch ID

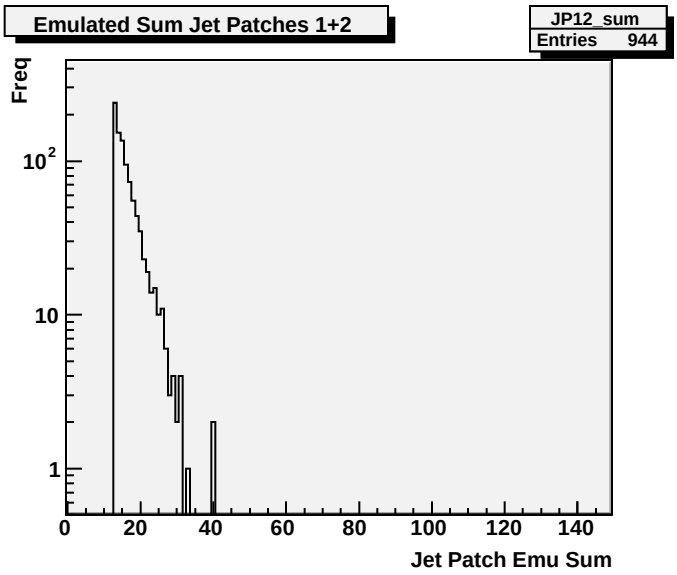

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 1
Frequency
Steve's Jet Patch ID

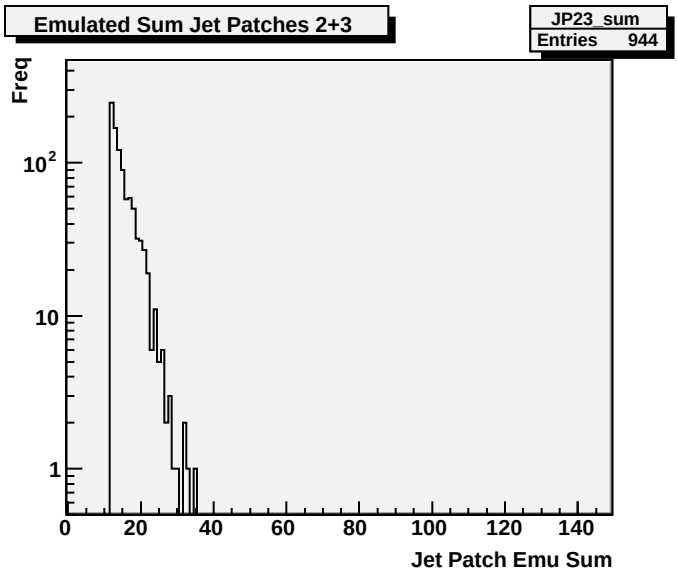

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

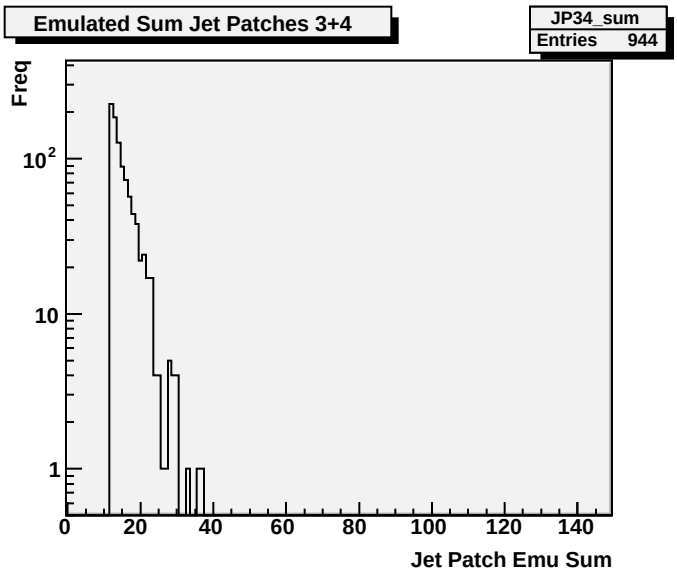

Jet Patch Sum > JP2
JPsumTh3
Entries 0
Frequency
Steve's Jet Patch ID

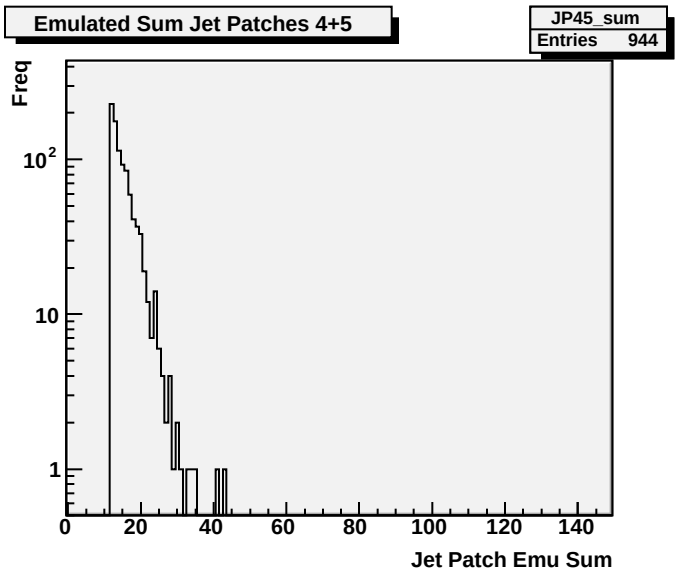

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 944
level2 input

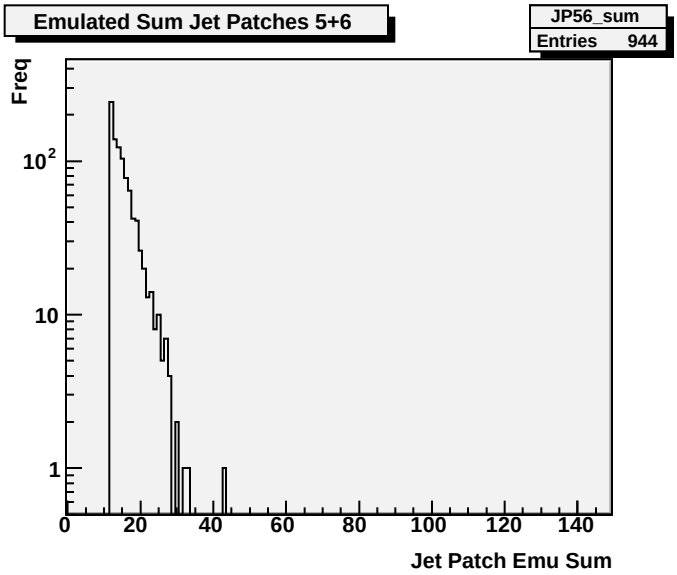

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 944
level2 input

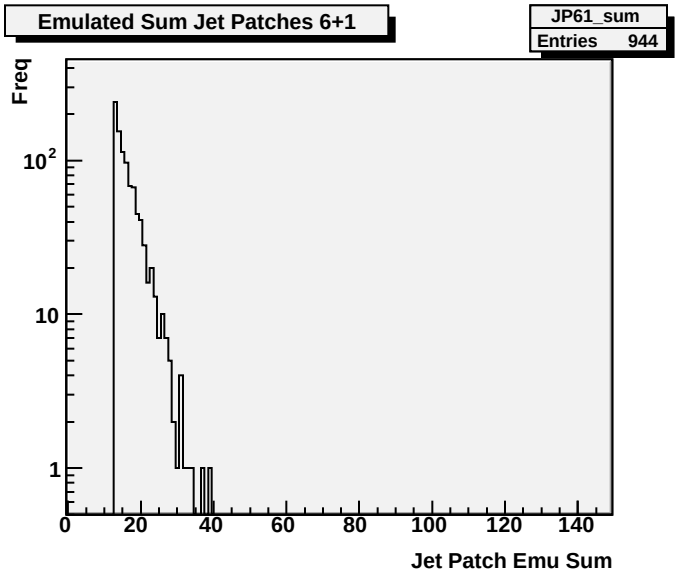

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 944
Freq
Jet Patch Emu Sum

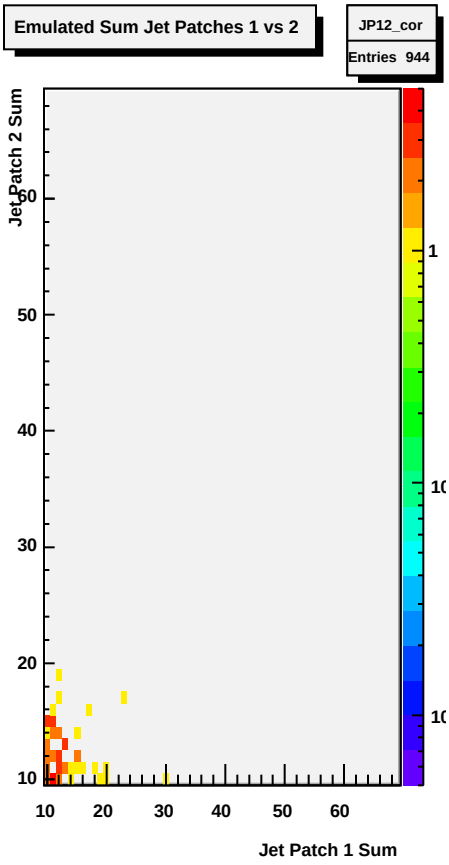

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 944
Freq
Jet Patch Emu Sum

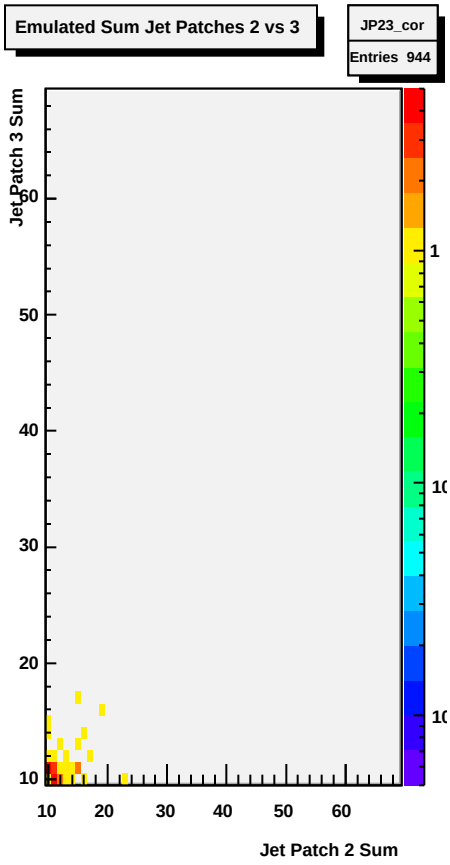

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 944
Freq
Jet Patch Emu Sum

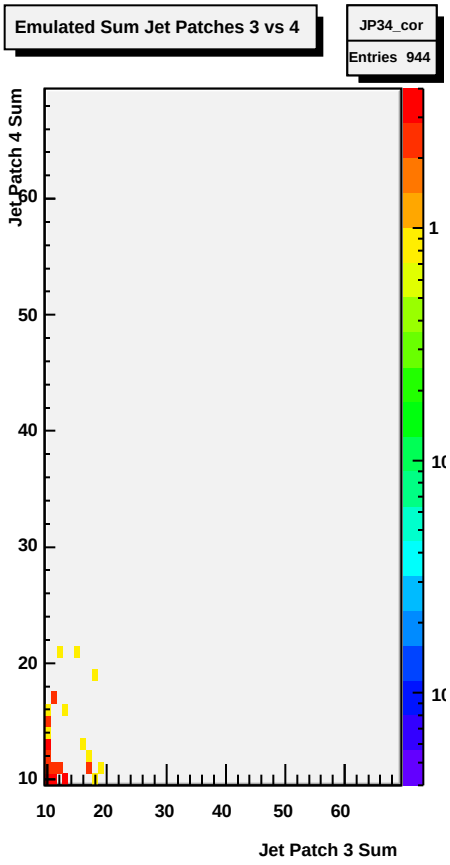

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 944
Freq
Jet Patch Emu Sum

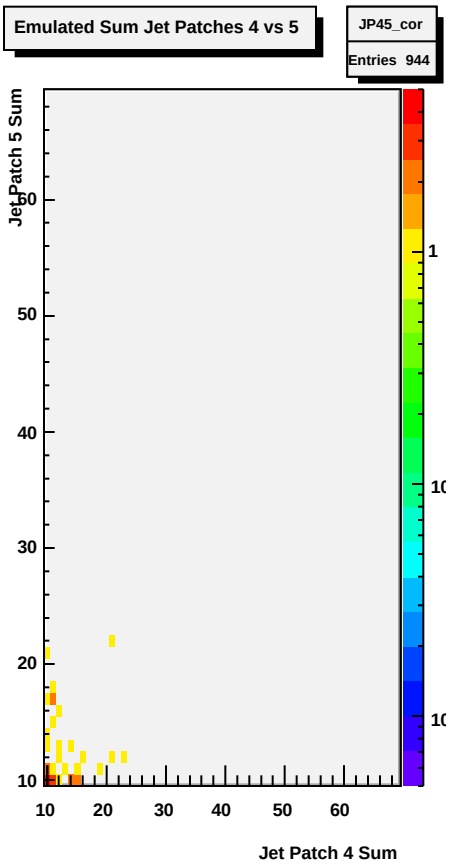

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 944
Freq
Jet Patch Emu Sum

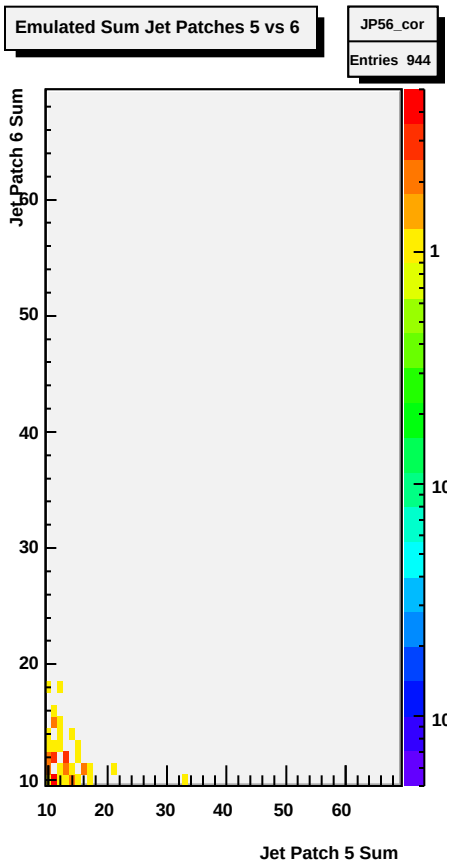

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 944
Freq
Jet Patch Emu Sum

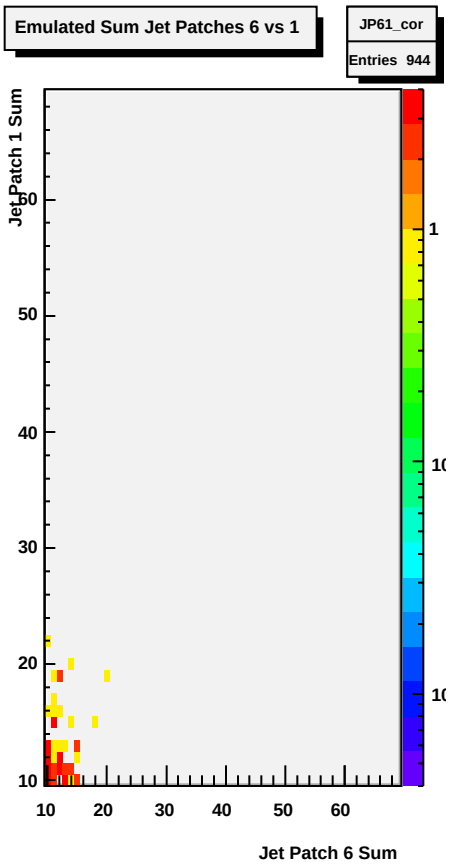

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 944
Jet Patch 2 Sum
Jet Patch 1 Sum

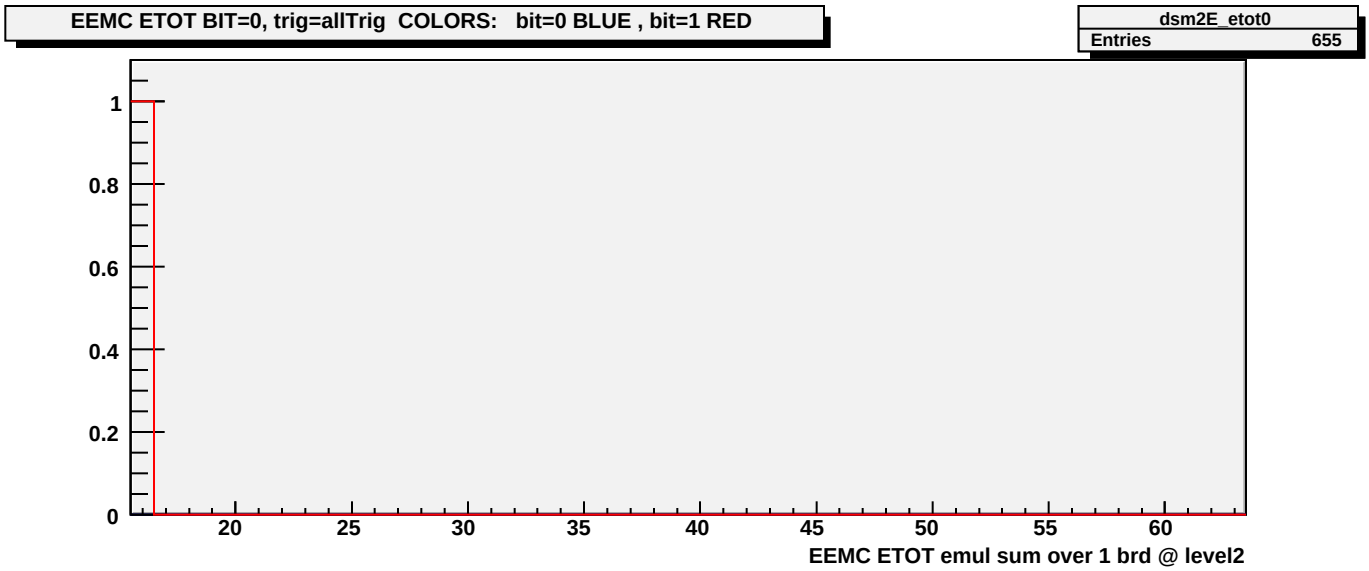

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 944
Jet Patch 3 Sum
Jet Patch 2 Sum

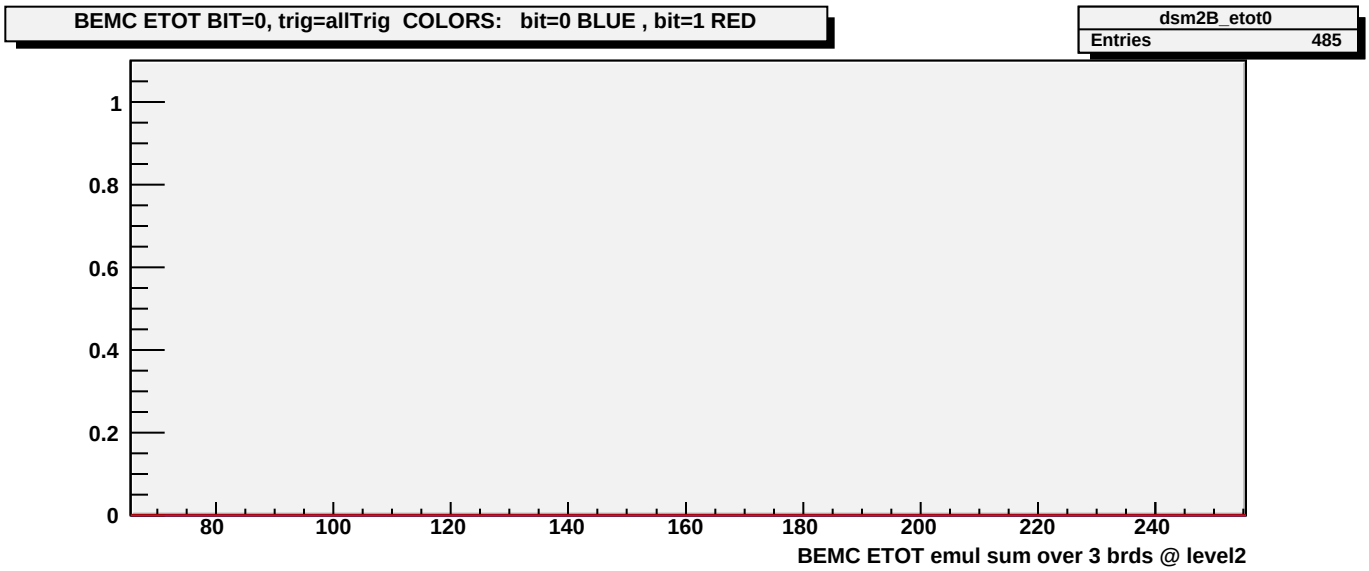

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 944
Jet Patch 4 Sum
Jet Patch 3 Sum

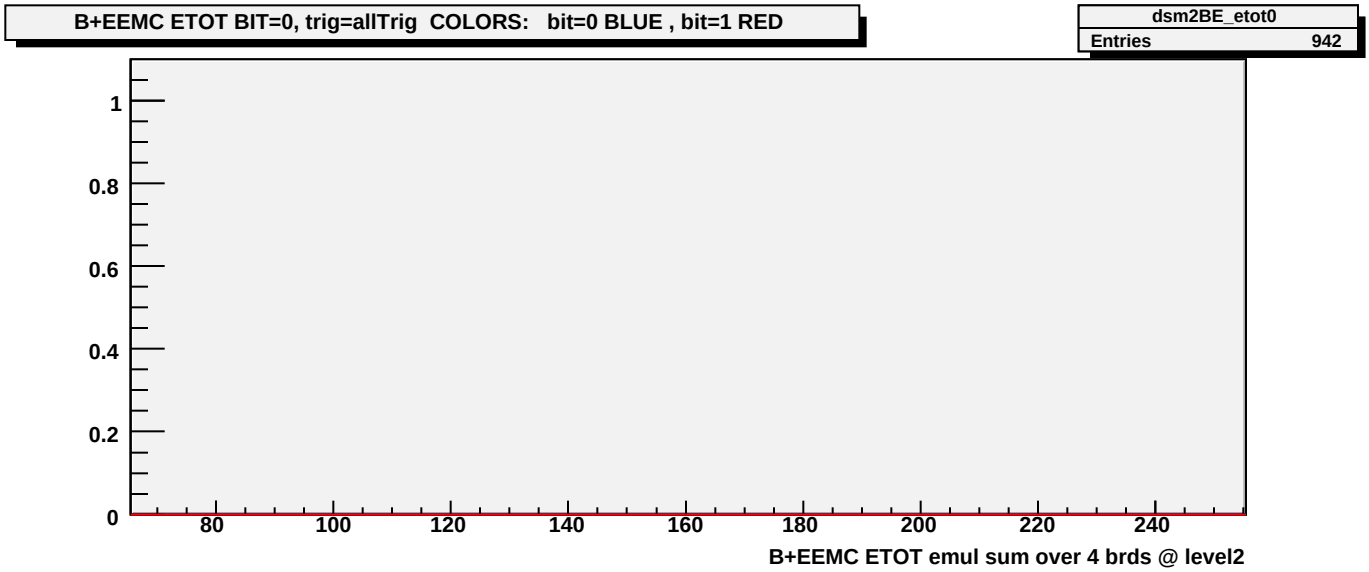

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 944
Jet Patch 5 Sum
Jet Patch 4 Sum

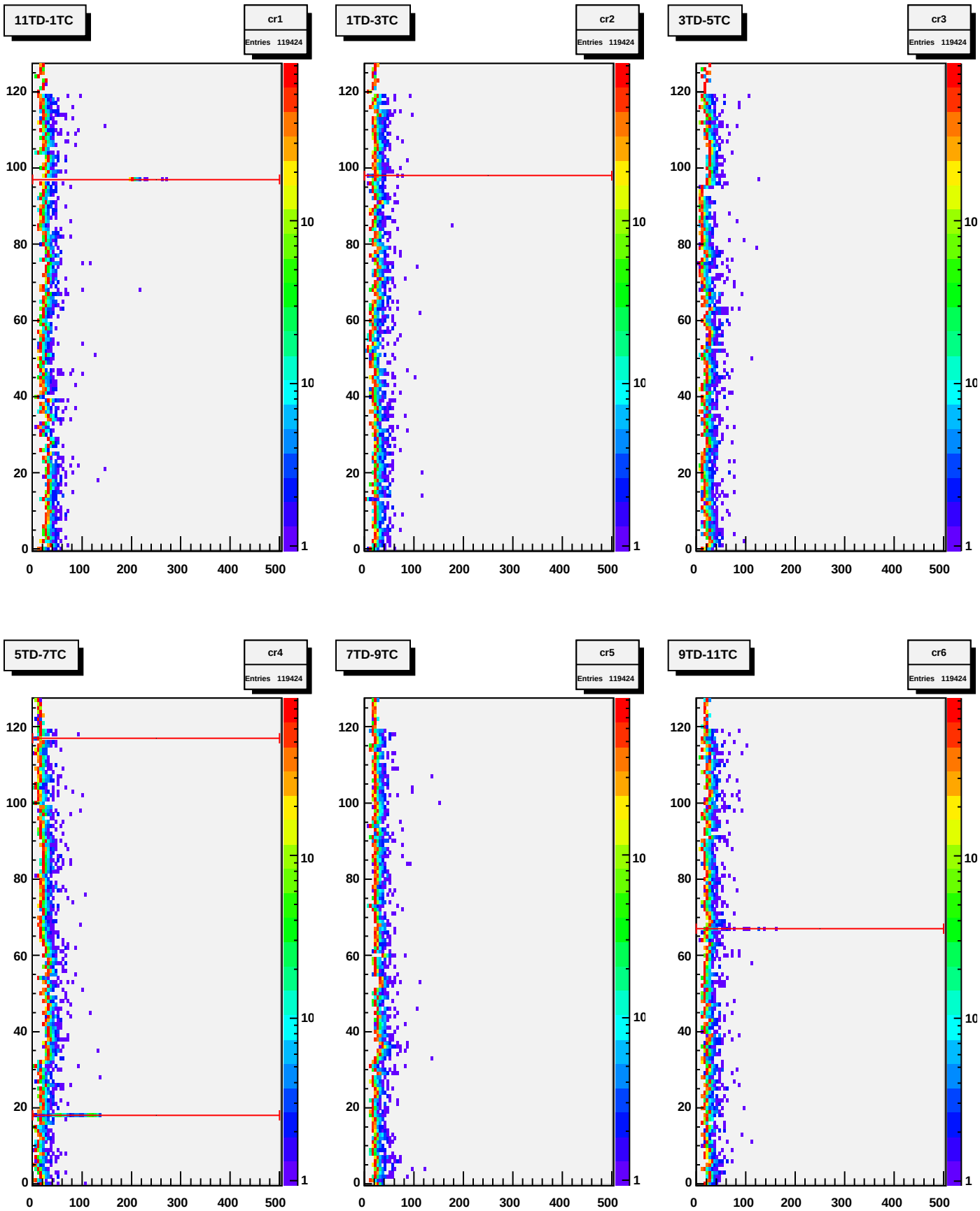

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 944
Jet Patch 6 Sum
Jet Patch 5 Sum

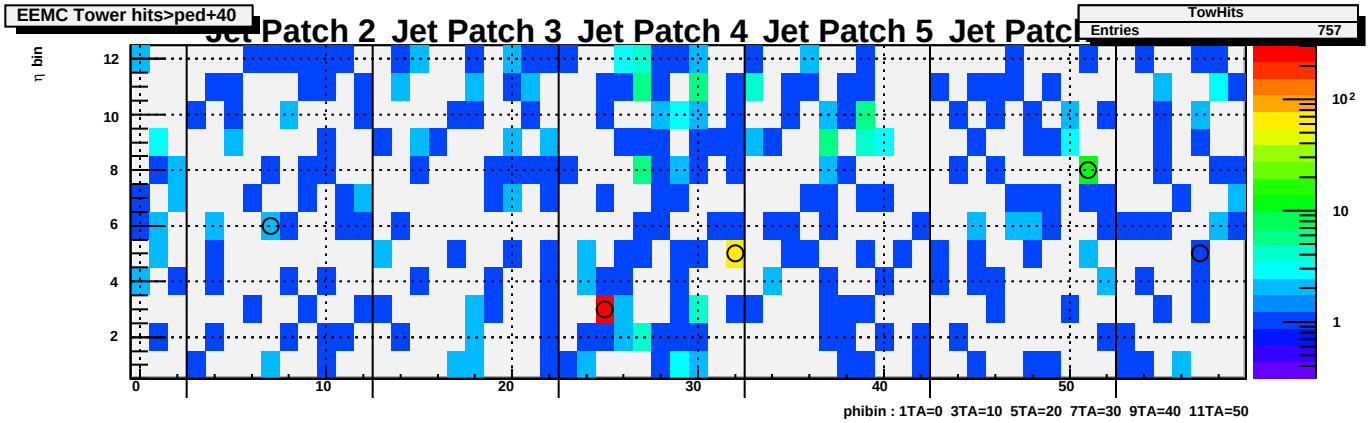

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 944
Jet Patch 1 Sum
Jet Patch 6 Sum

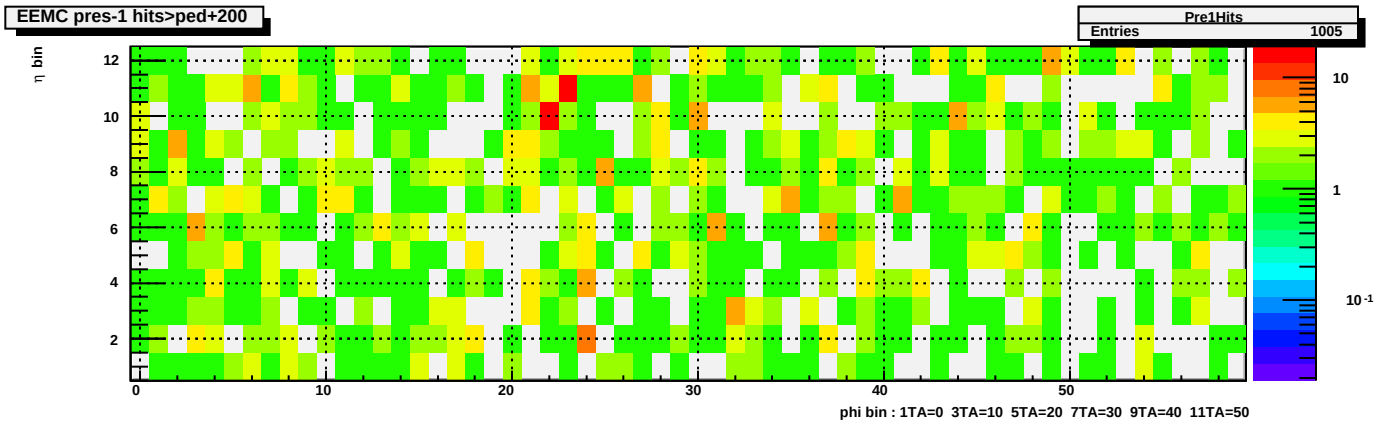

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 655
1
0.8
0.6
0.4
0.2
0
20
25
30
35
40
45
50
55
60
EEMC ETOT emul sum over 1 brd @ level2

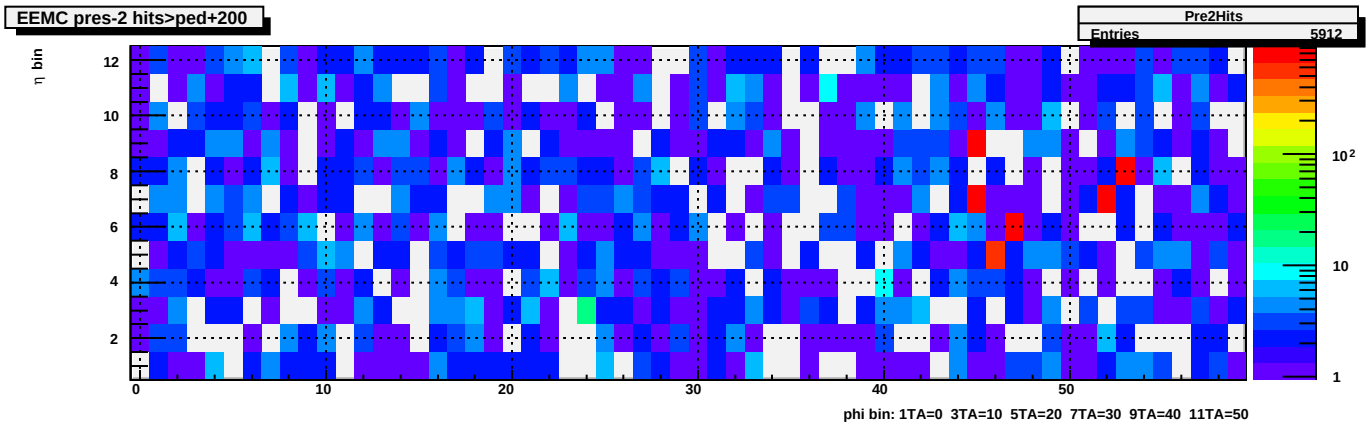

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 485
1
0.8
0.6
0.4
0.2
0
80
100
120
140
160
180
200
220
240
BEMC ETOT emul sum over 3 brds @ level2

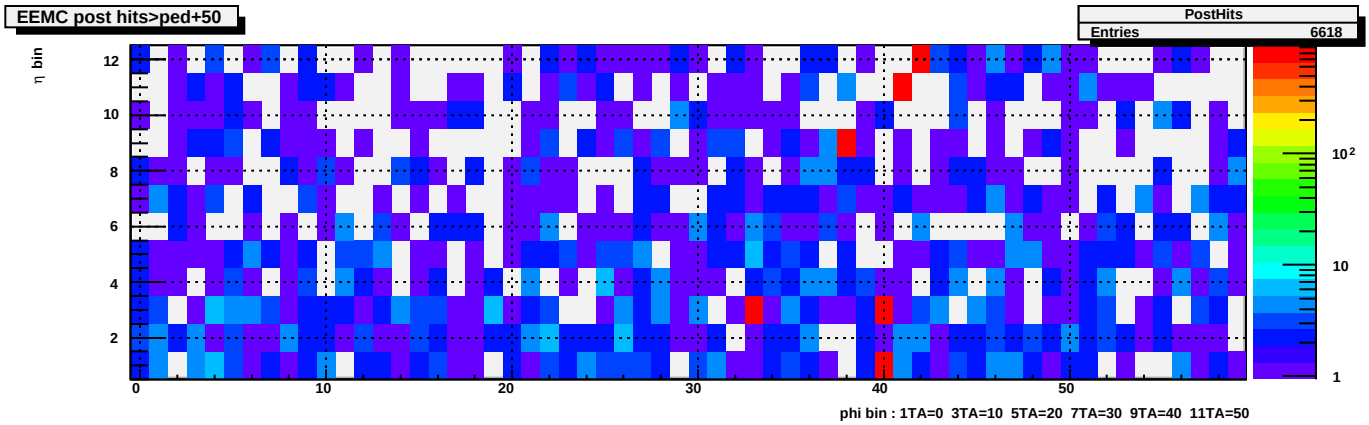

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 942
1
0.8
0.6
0.4
0.2
0
80
100
120
140
160
180
200
220
240
B+EEMC ETOT emul sum over 4 brds @ level2

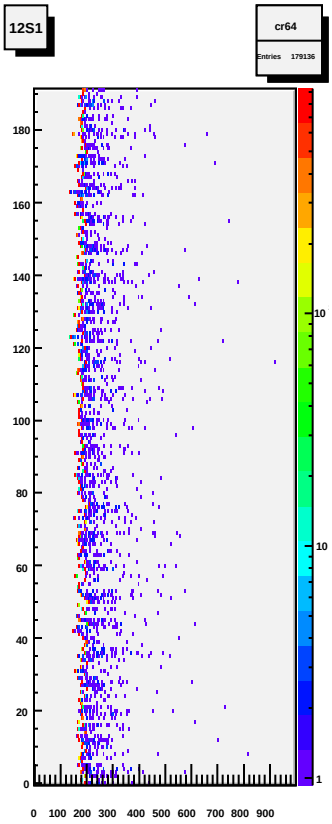

11TD-1TC
cr1
Entries 119424
1TD-3TC
cr2
Entries 119424
3TD-5TC
cr3
Entries 119424
5TD-7TC
cr4
Entries 119424
7TD-9TC
cr5
Entries 119424
9TD-11TC
cr6
Entries 119424
0
20
40
60
80
100
120
0
100
200
300
400
500
1
10
10

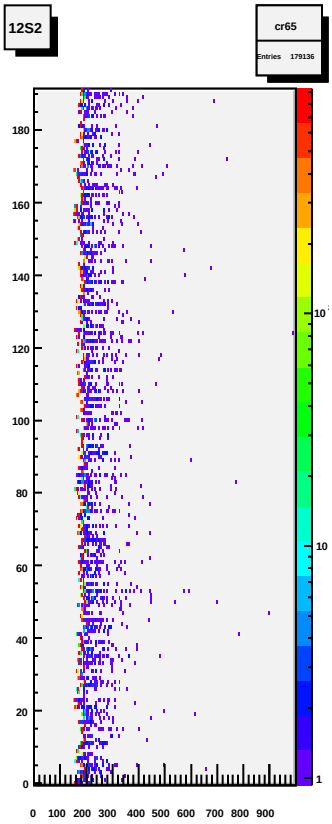

EEMC Tower hits>ped+40
Jet Patch 2 Jet Patch 3 Jet Patch 4 Jet Patch 5 Jet Patch
TowHits
Entries 757
η bin
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

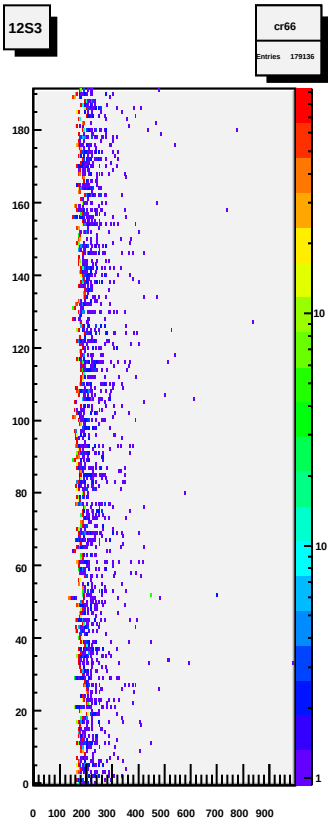

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 1005
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

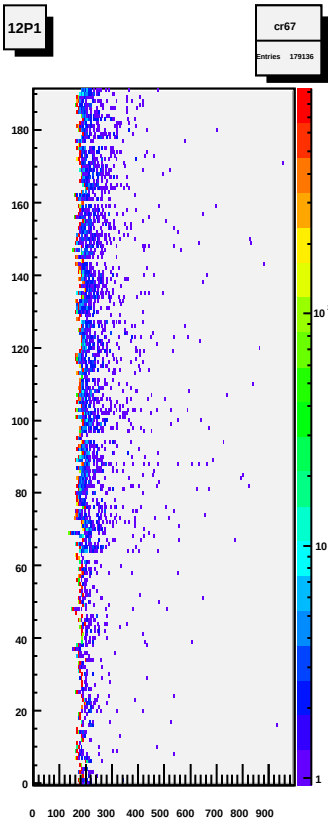

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 5912
η bin
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

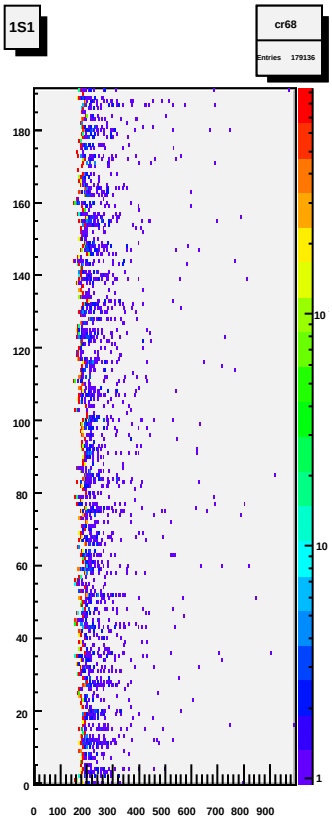

EEMC post hits>ped+50
PostHits
Entries 6618
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

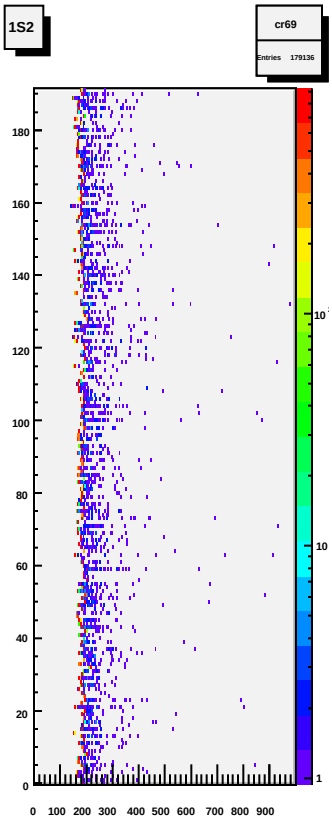

12S1
cr64
Entries 179136

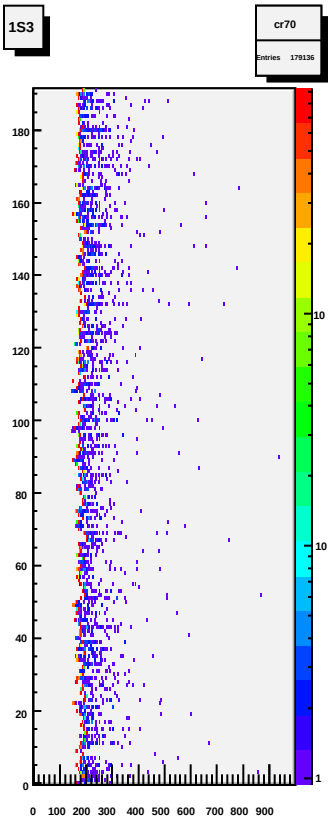

12S2
cr65
Entries 179136

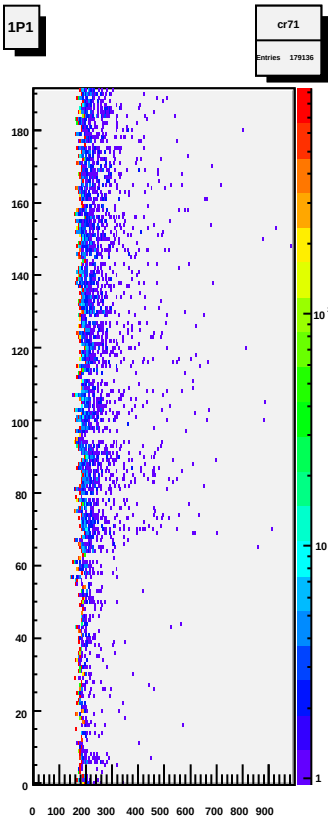

12S3
cr66
Entries 179136

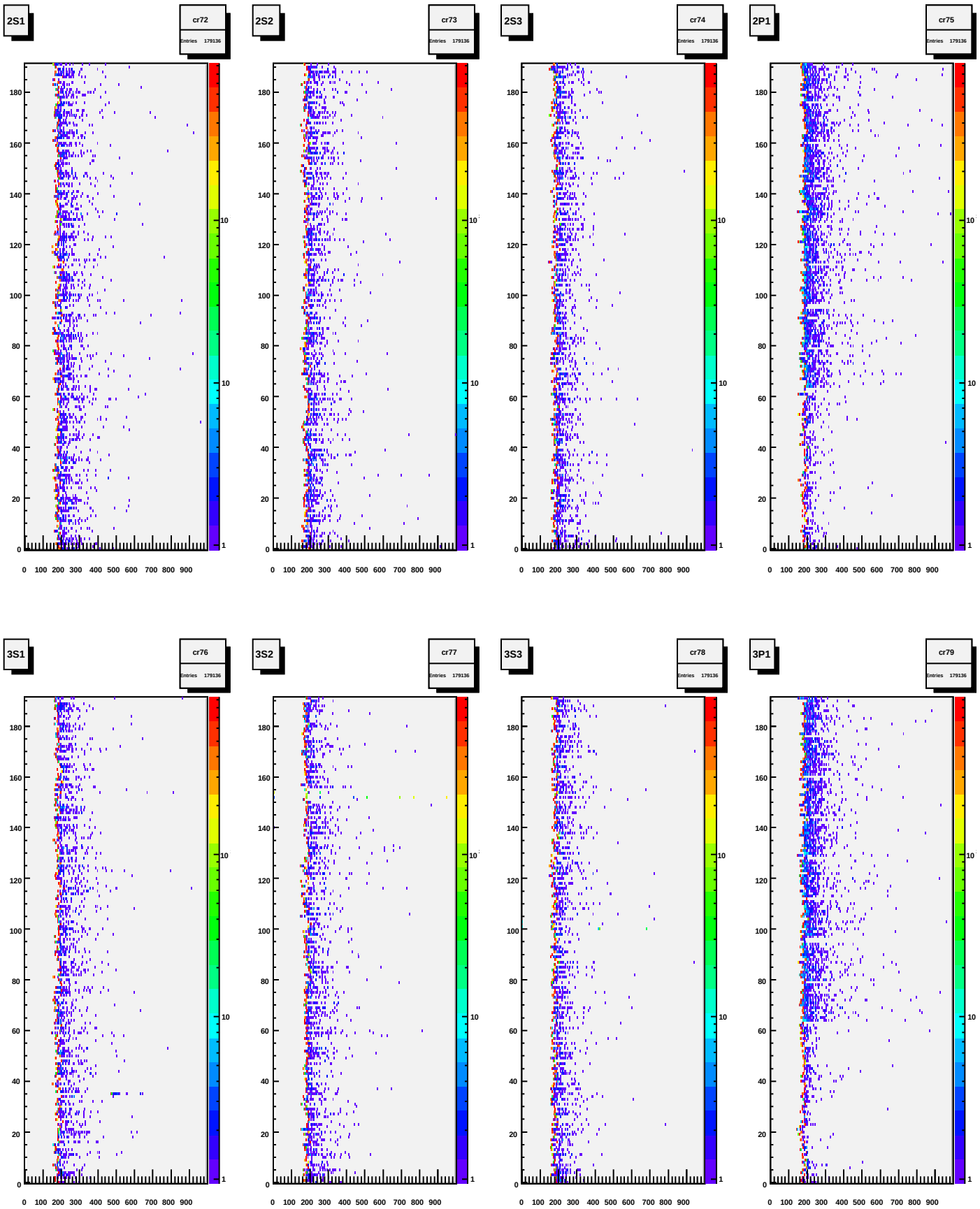

12P1
cr67
Entries 179136

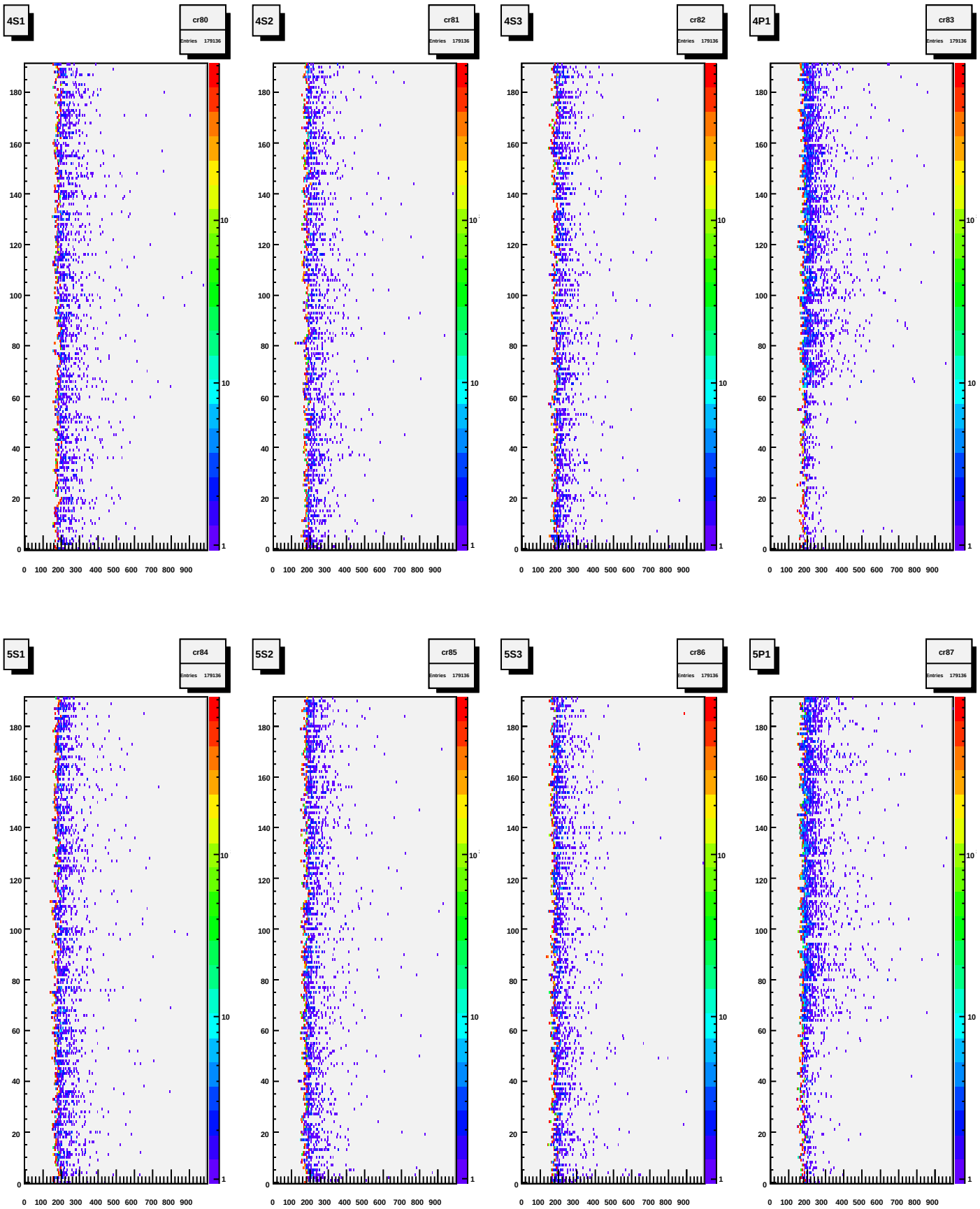

1S1
cr68
Entries 179136

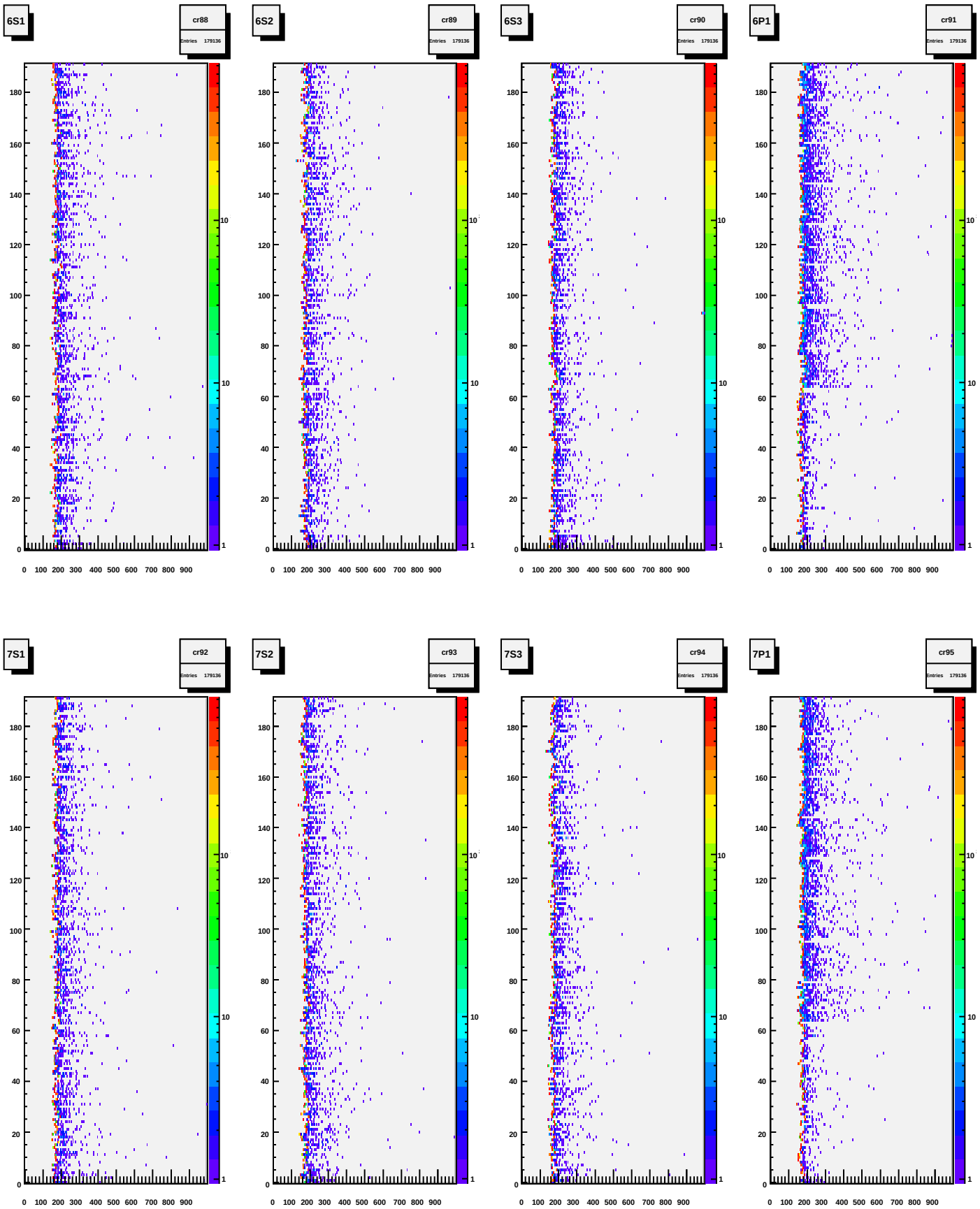

1S2
cr69
Entries 179136

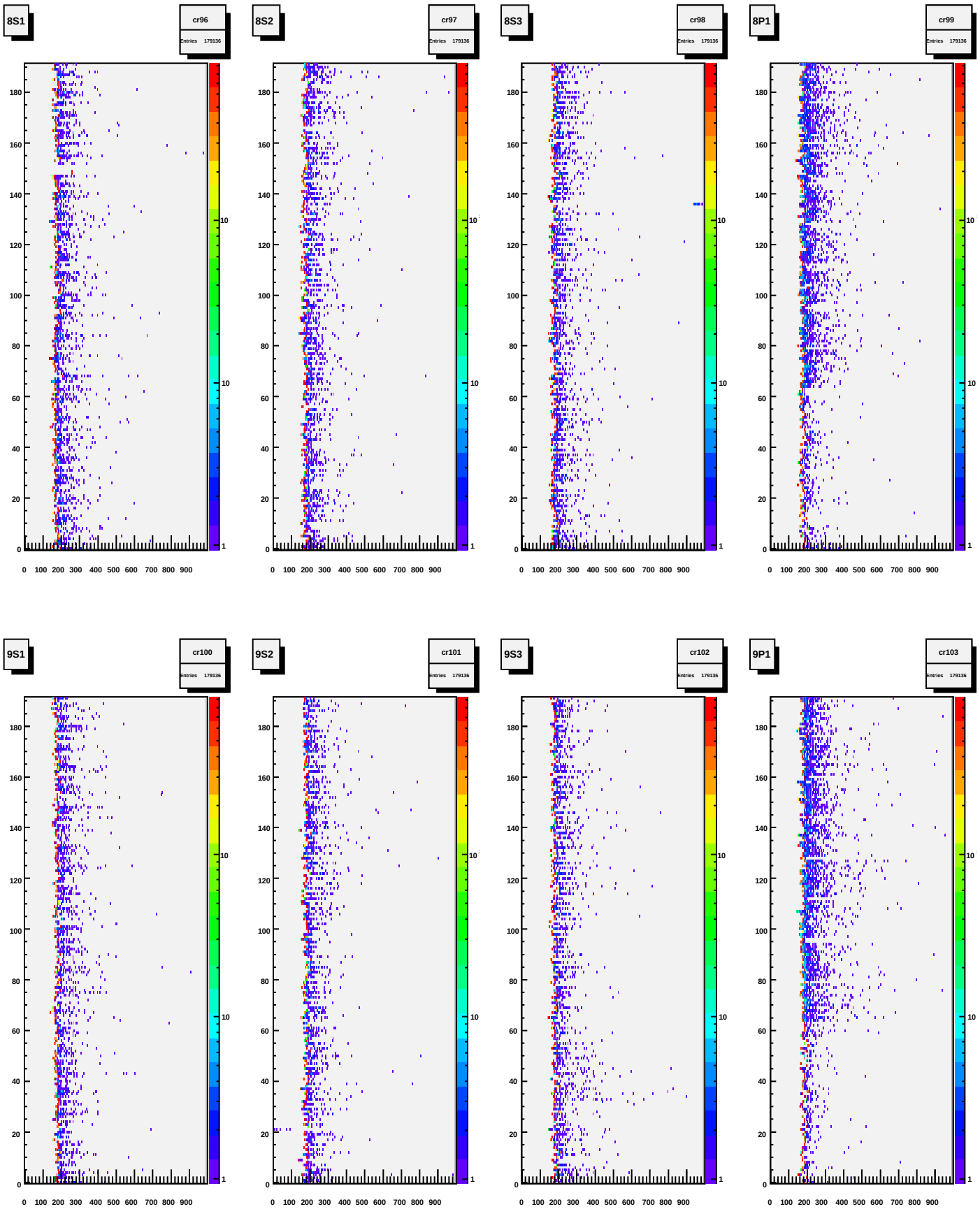

1S3
cr70
Entries 179136

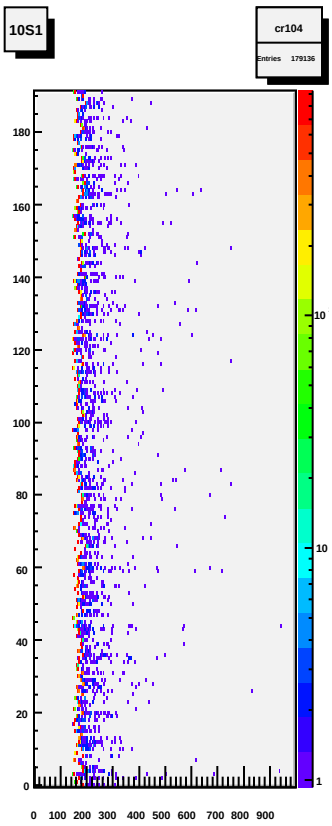

1P1
cr71
Entries 179136

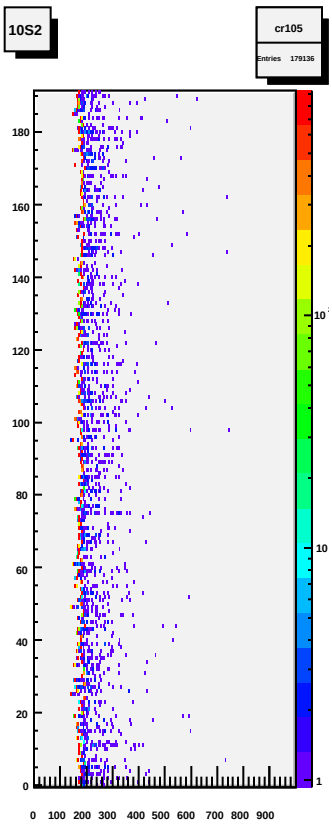

2S1
cr72
Entries 179136
2S2
cr73
Entries 179136
2S3
cr74
Entries 179136
2P1
cr75
Entries 179136
3S1
cr76
Entries 179136
3S2
cr77
Entries 179136
3S3
cr78
Entries 179136
3P1
cr79
Entries 179136
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900
1
10
10²

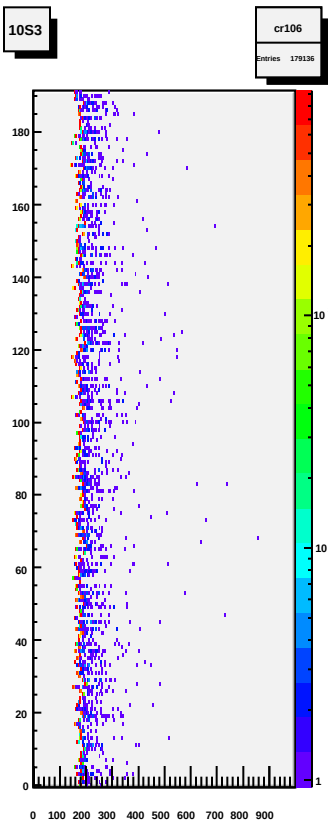

4S1
cr80
Entries 179136
4S2
cr81
Entries 179136
4S3
cr82
Entries 179136
4P1
cr83
Entries 179136
5S1
cr84
Entries 179136
5S2
cr85
Entries 179136
5S3
cr86
Entries 179136
5P1
cr87
Entries 179136
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10
10²

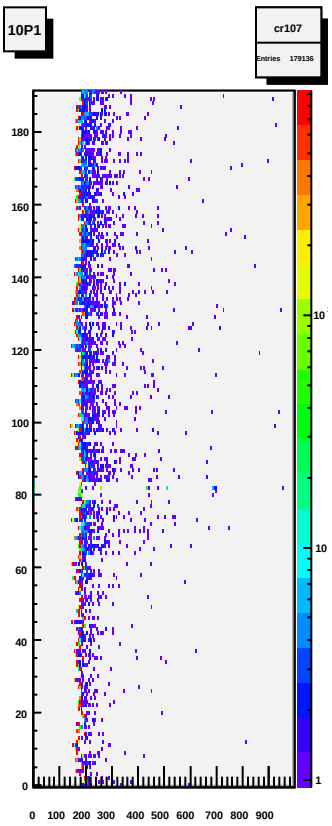

6S1
cr88
Entries 179136
6S2
cr89
Entries 179136
6S3
cr90
Entries 179136
6P1
cr91
Entries 179136
7S1
cr92
Entries 179136
7S2
cr93
Entries 179136
7S3
cr94
Entries 179136
7P1
cr95
Entries 179136
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900
1
10
10

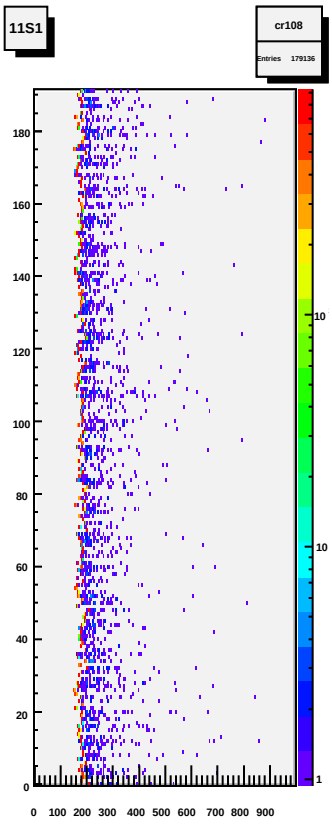

8S1
cr96
Entries 179136
8S2
cr97
Entries 179136
8S3
cr98
Entries 179136
8P1
cr99
Entries 179136
9S1
cr100
Entries 179136
9S2
cr101
Entries 179136
9S3
cr102
Entries 179136
9P1
cr103
Entries 179136
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10
10

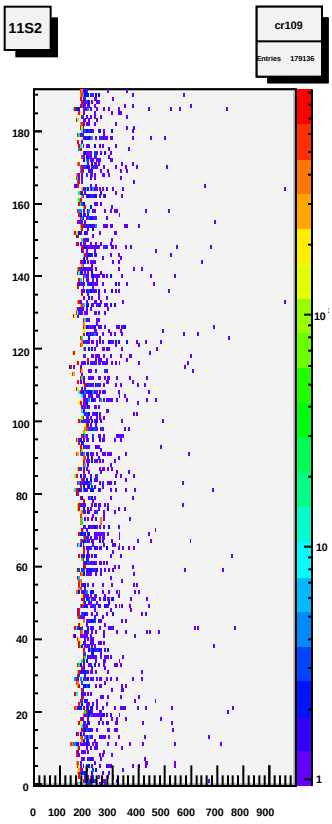

10S1
cr104
Entries 179136

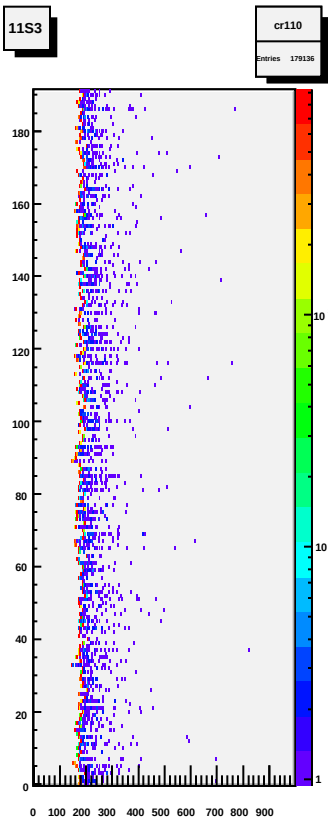

10S2
cr105
Entries 179136

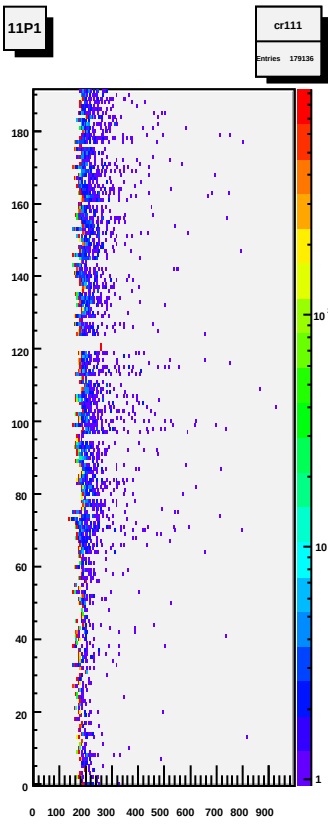

10S3
cr106
Entries 179136

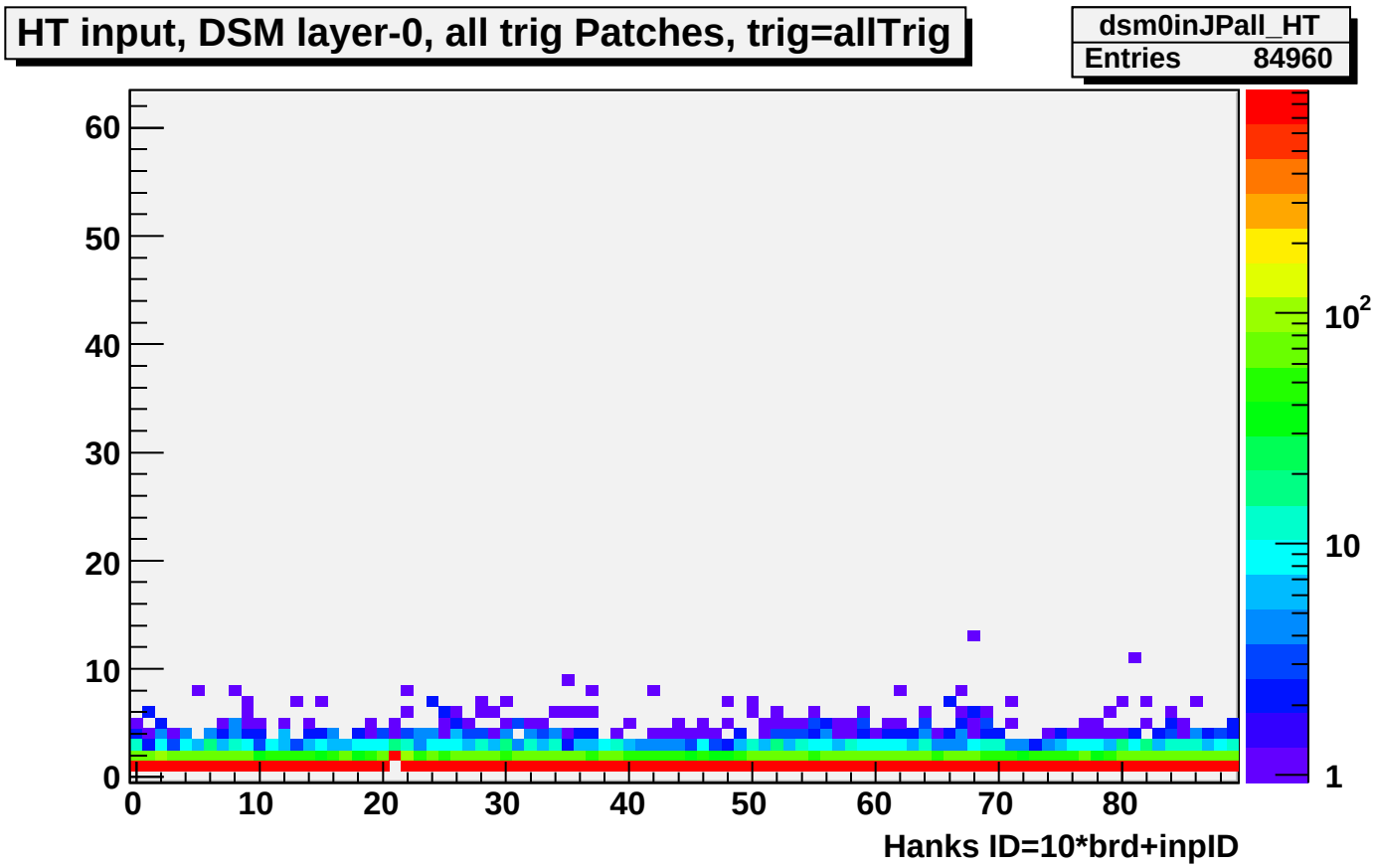

10P1
cr107
Entries 179136

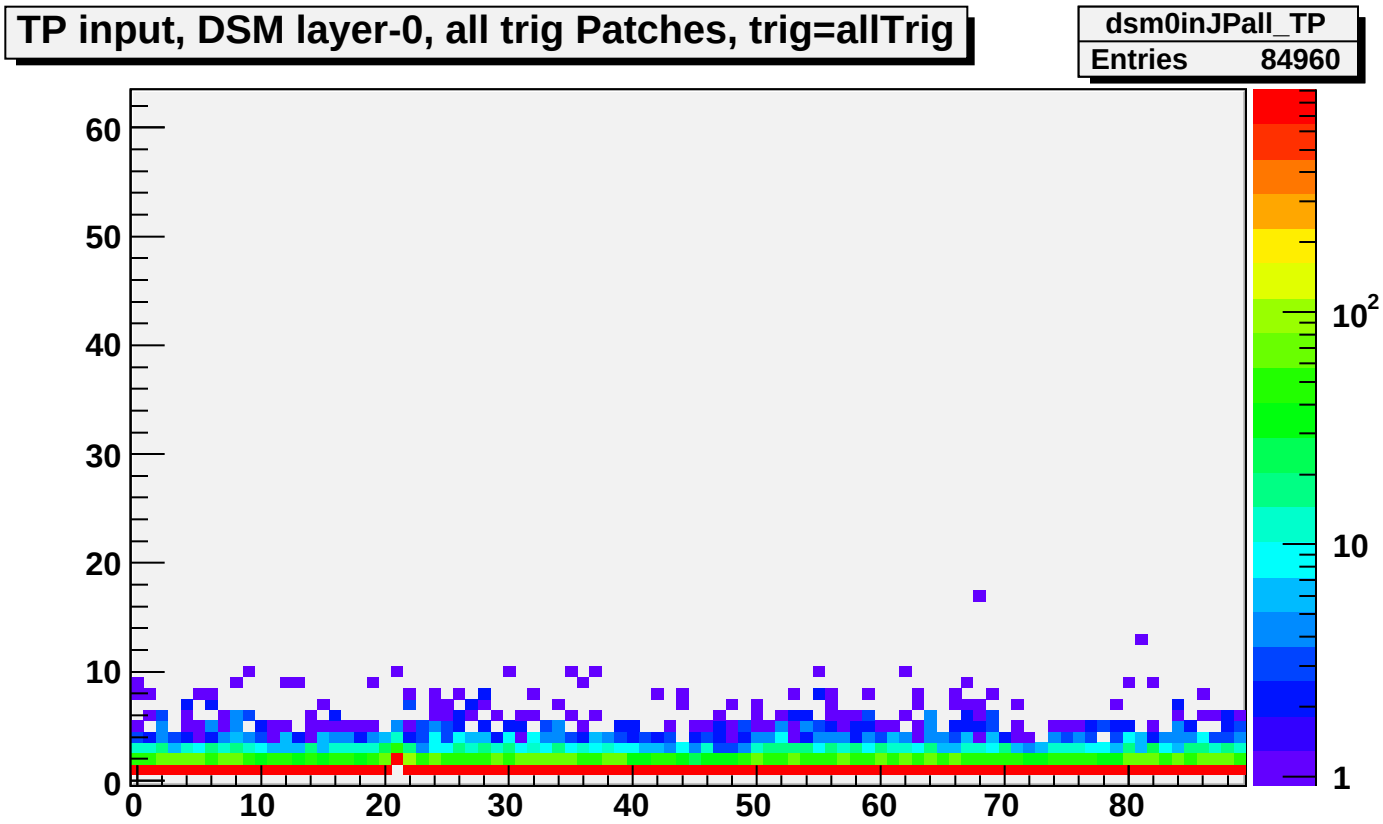

11S1
cr108
Entries 179136

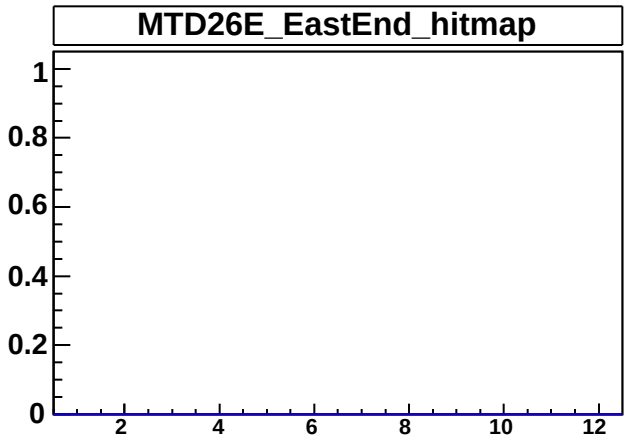

11S2
cr109
Entries 179136

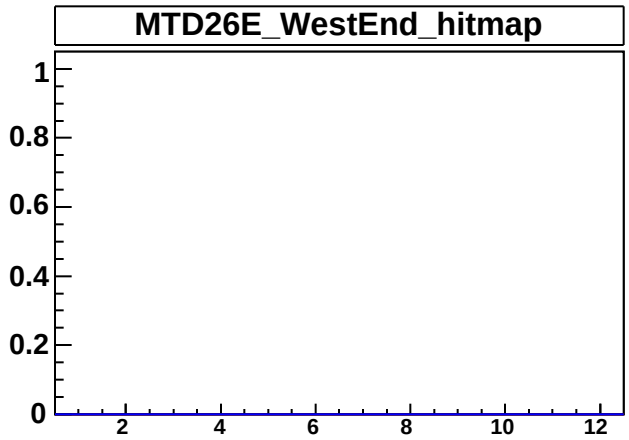

11S3
cr110
Entries 179136

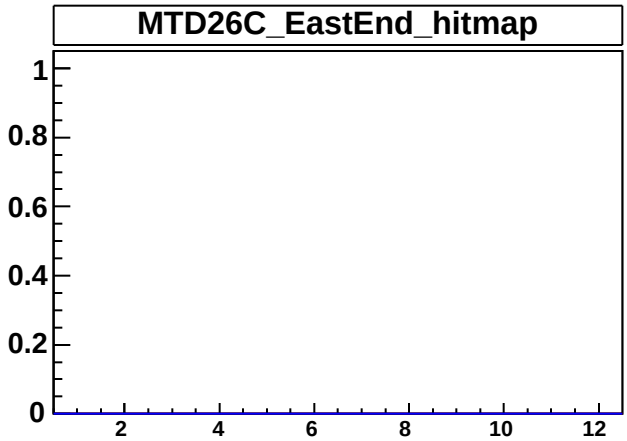

11P1
cr111
Entries 179136

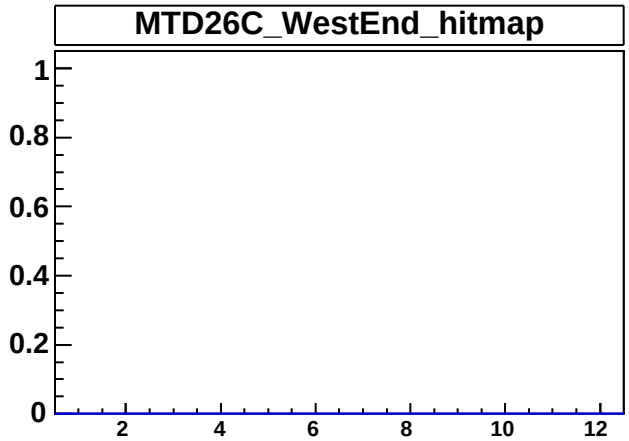

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 84960
0
10
20
30
40
50
60
0
10
20
30
40
50
60
70
80
Hanks ID=10*brd+inpID
1
10
10^2

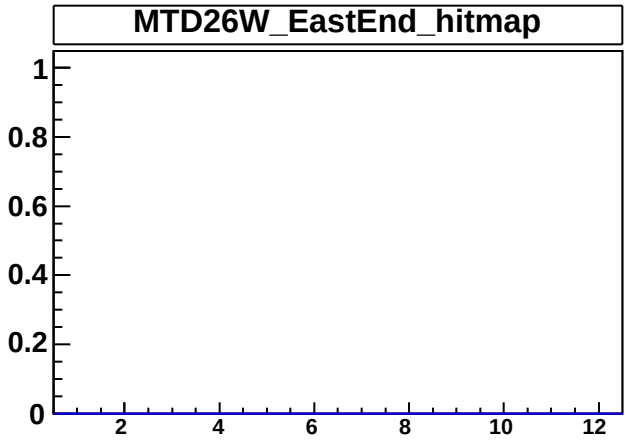

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 84960
0
10
20
30
40
50
60
0
10
20
30
40
50
60
70
80
1
10
10^2

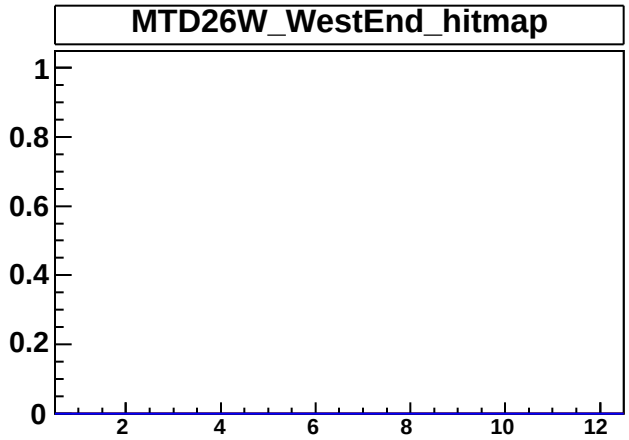

MTD26E_EastEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

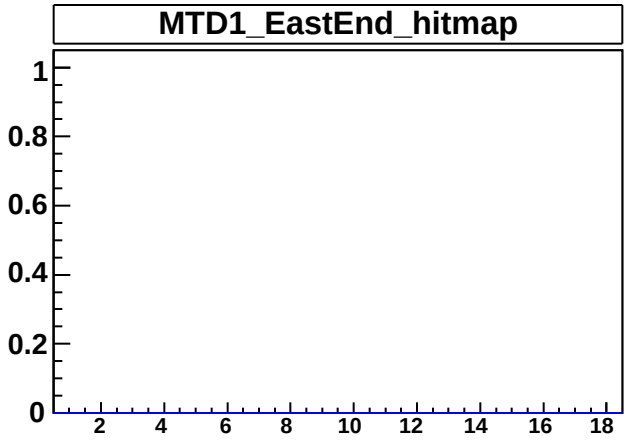

MTD26E_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

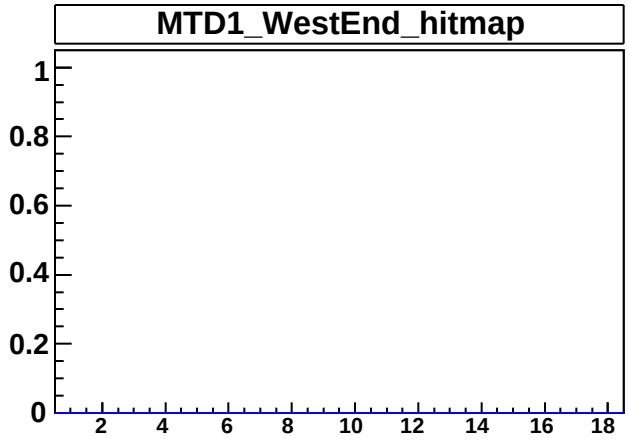

MTD26C_EastEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

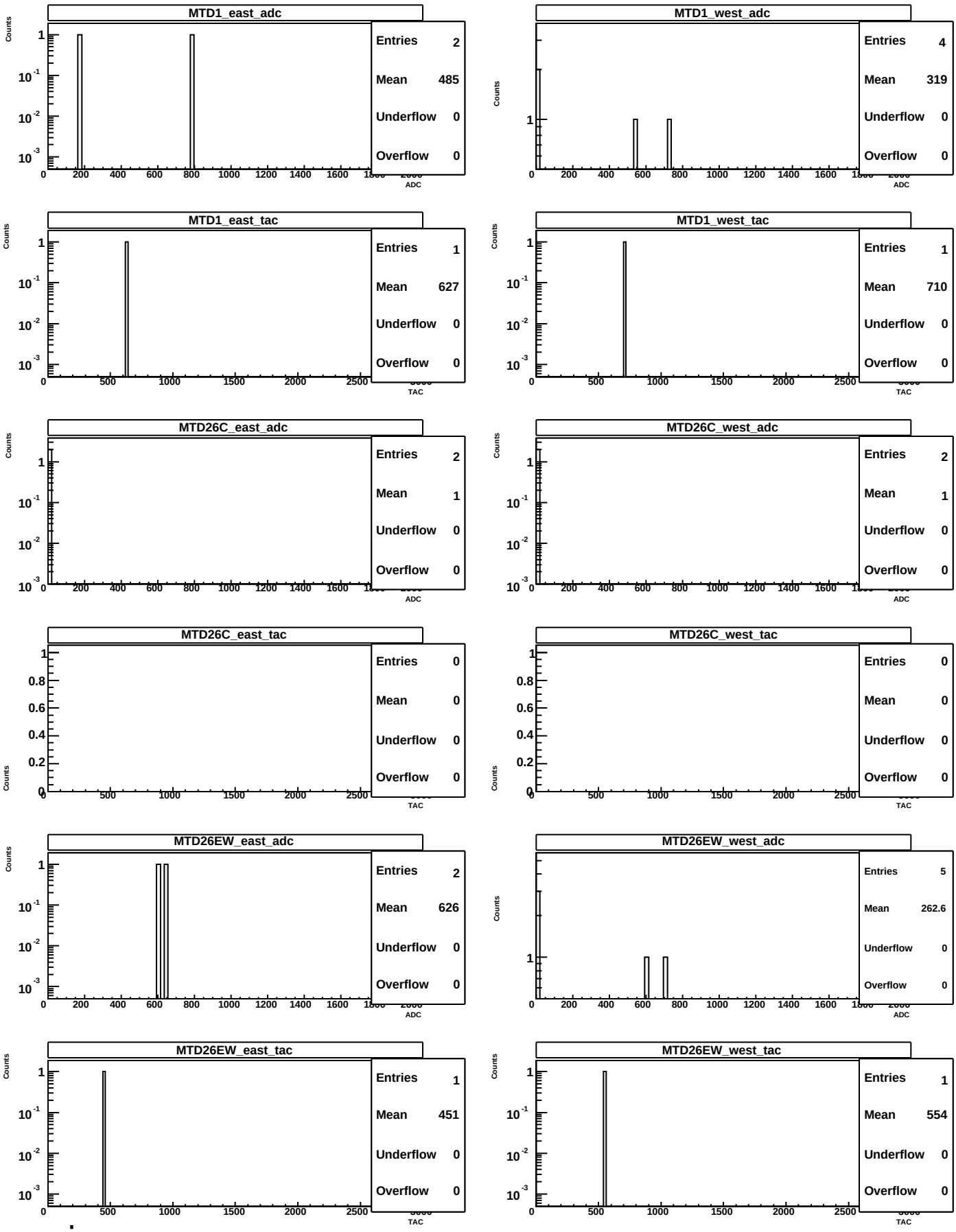

MTD26C_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

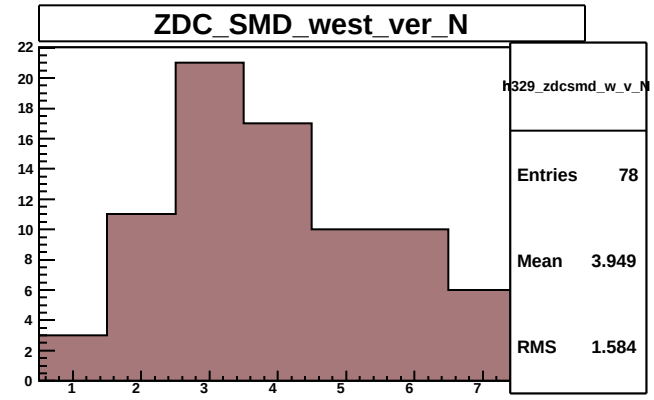

MTD26W_EastEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

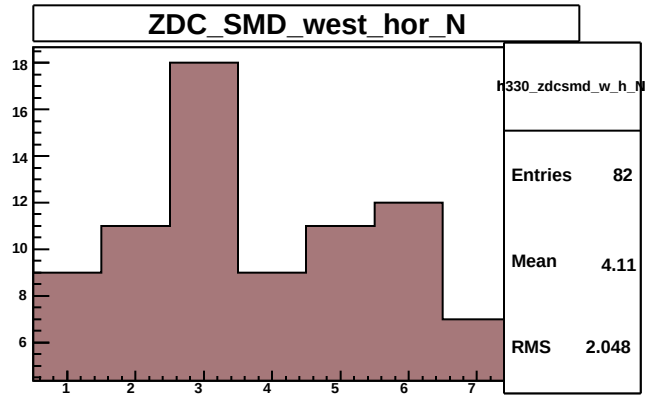

MTD26W_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

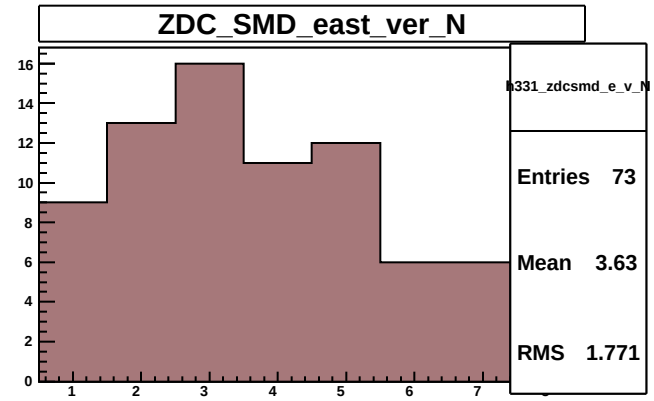

MTD1_EastEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12
14
16
18

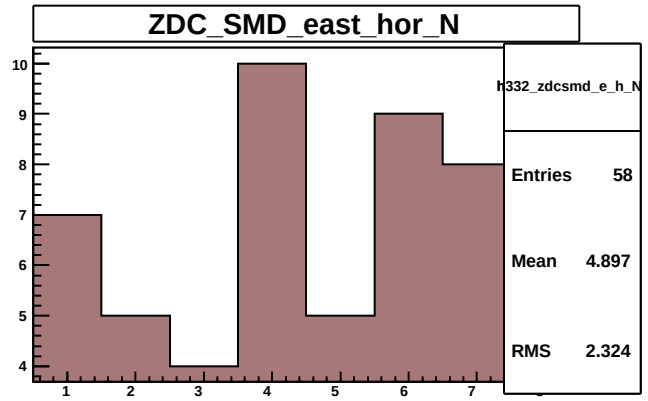

MTD1_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12
14
16
18

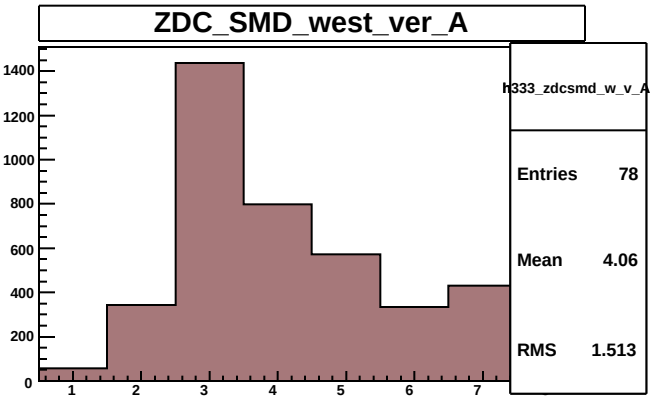

MTD1_east_adc
Entries 2
Mean 485
Underflow 0
Overflow 0
MTD1_west_adc
Entries 4
Mean 319
Underflow 0
Overflow 0
MTD1_east_tac
Entries 1
Mean 627
Underflow 0
Overflow 0
MTD1_west_tac
Entries 1
Mean 710
Underflow 0
Overflow 0
MTD26C_east_adc
Entries 2
Mean 1
Underflow 0
Overflow 0
MTD26C_west_adc
Entries 2
Mean 1
Underflow 0
Overflow 0
MTD26C_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
MTD26C_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
MTD26EW_east_adc
Entries 2
Mean 626
Underflow 0
Overflow 0
MTD26EW_west_adc
Entries 5
Mean 262.6
Underflow 0
Overflow 0
MTD26EW_east_tac
Entries 1
Mean 451
Underflow 0
Overflow 0
MTD26EW_west_tac
Entries 1
Mean 554
Underflow 0
Overflow 0
Counts
ADC
TAC

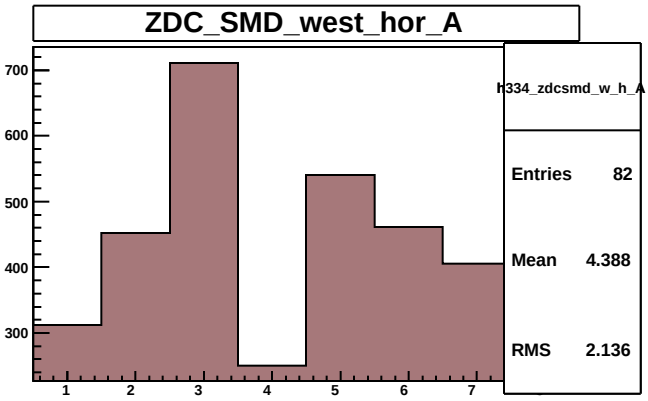

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 78
Mean 3.949
RMS 1.584

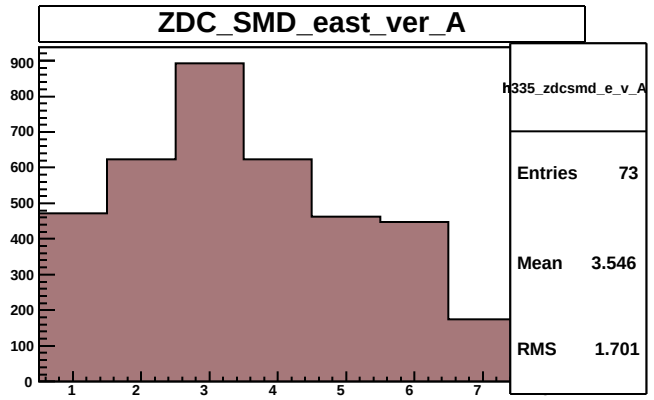

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 82
Mean 4.11
RMS 2.048

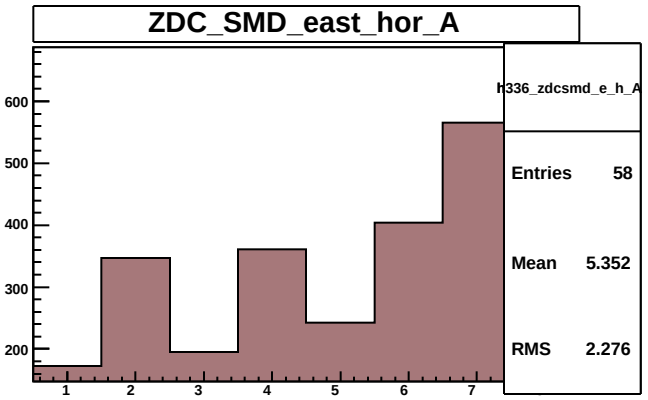

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 73
Mean 3.63
RMS 1.771

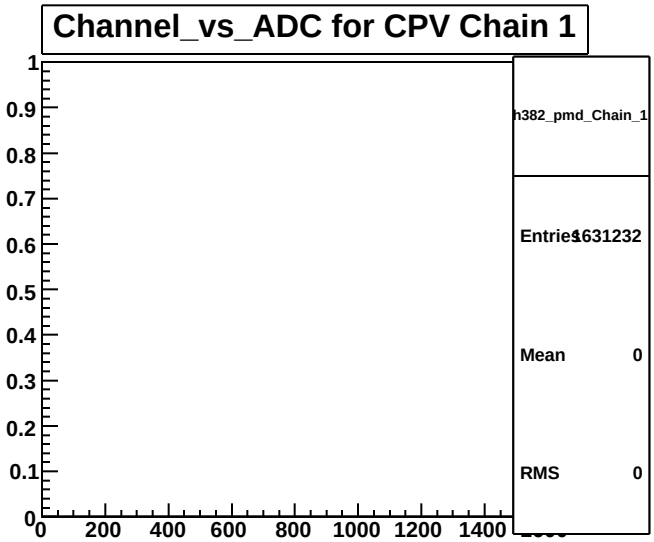

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 58
Mean 4.897
RMS 2.324

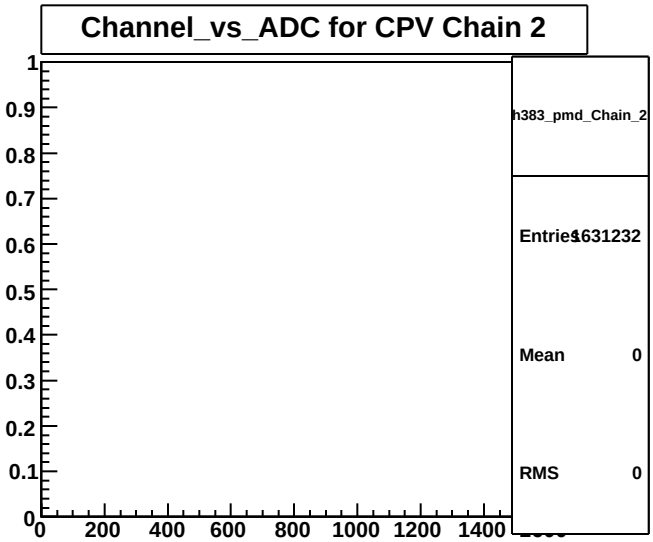

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 78
Mean 4.06
RMS 1.513

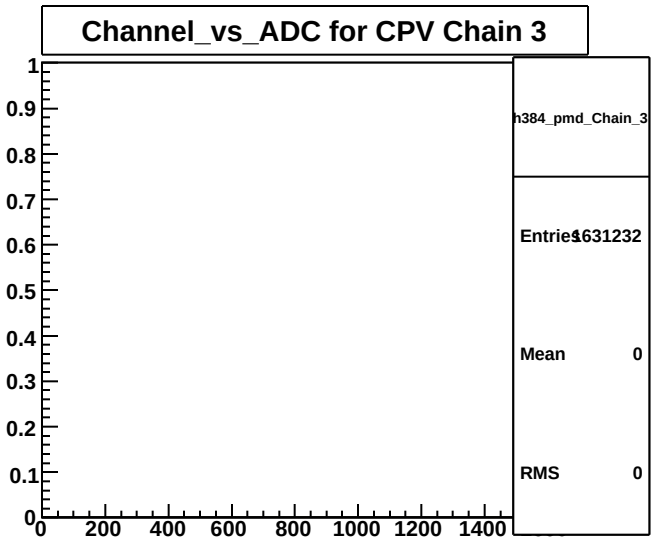

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 82
Mean 4.388
RMS 2.136

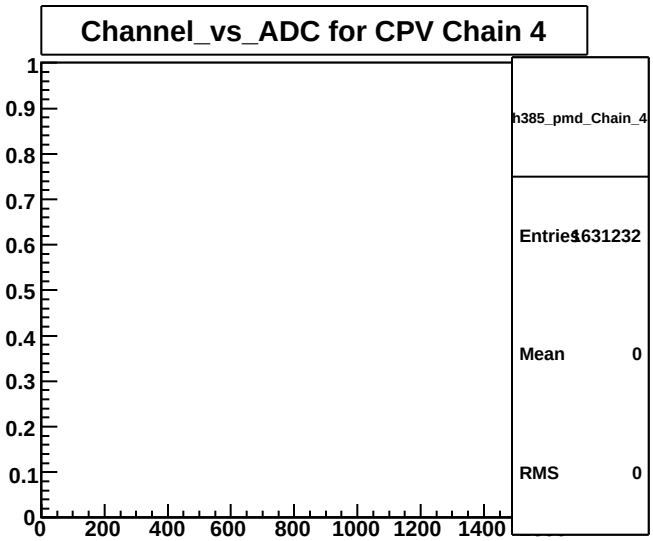

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 73
Mean 3.546
RMS 1.701

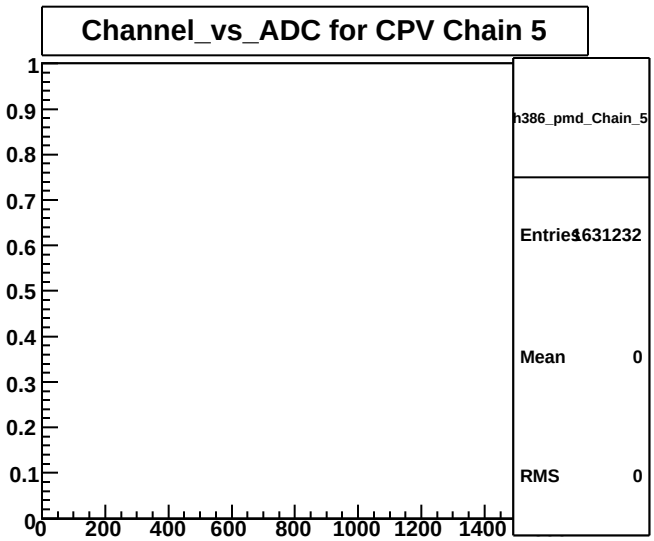

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 58
Mean 5.352
RMS 2.276

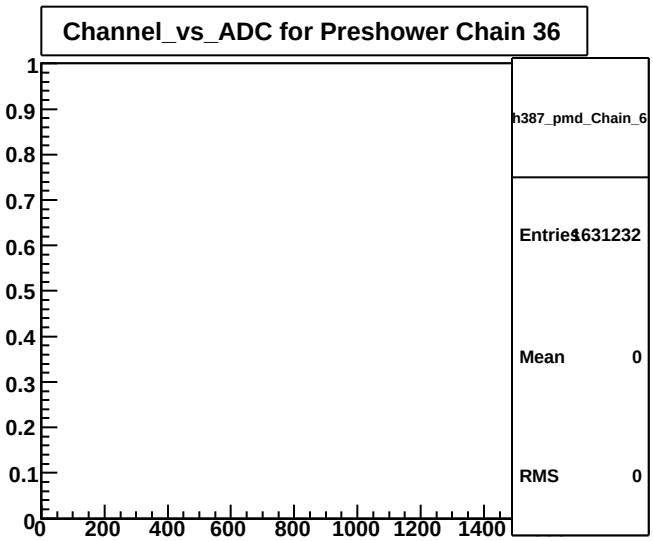

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 1631232
Mean 0
RMS 0

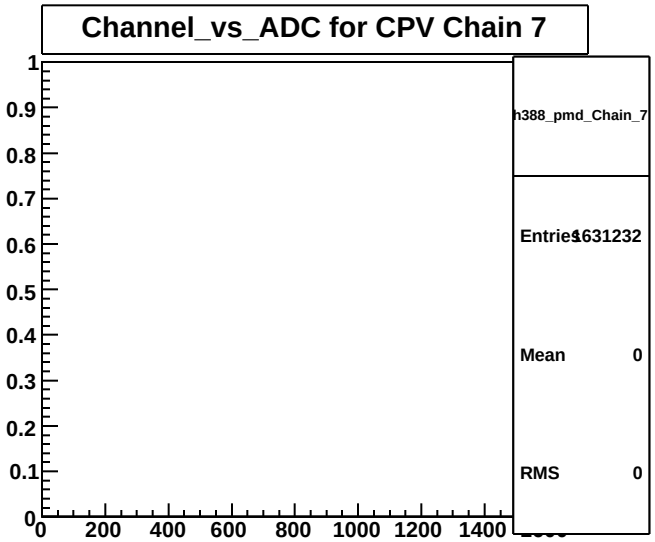

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 1631232
Mean 0
RMS 0

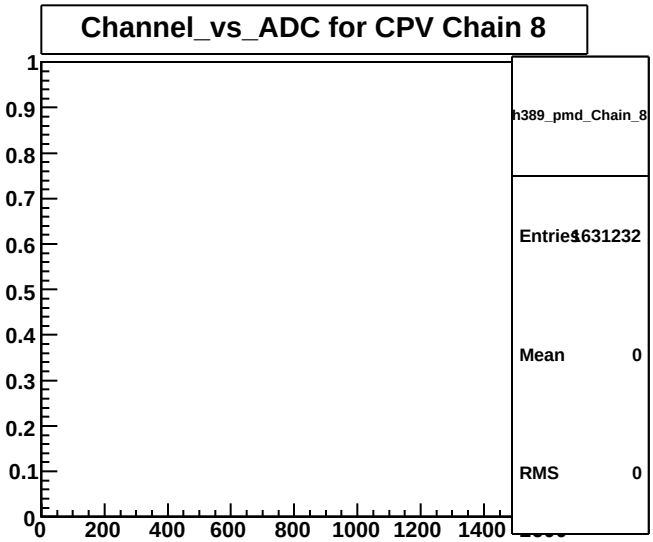

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 1631232
Mean 0
RMS 0

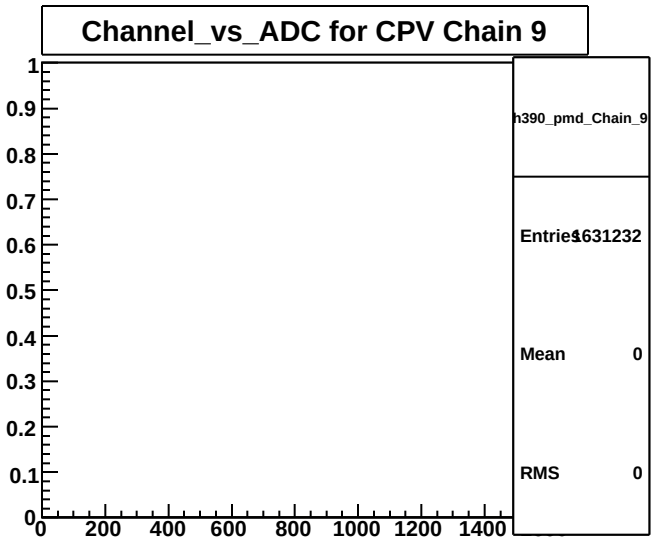

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 1631232
Mean 0
RMS 0

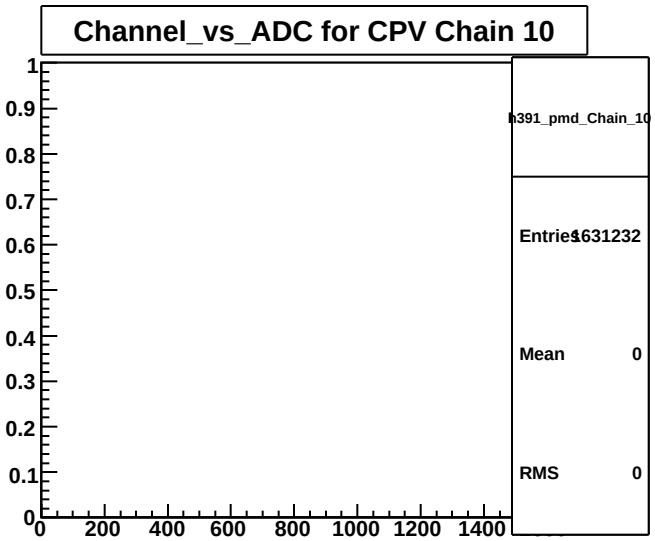

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 1631232
Mean 0
RMS 0

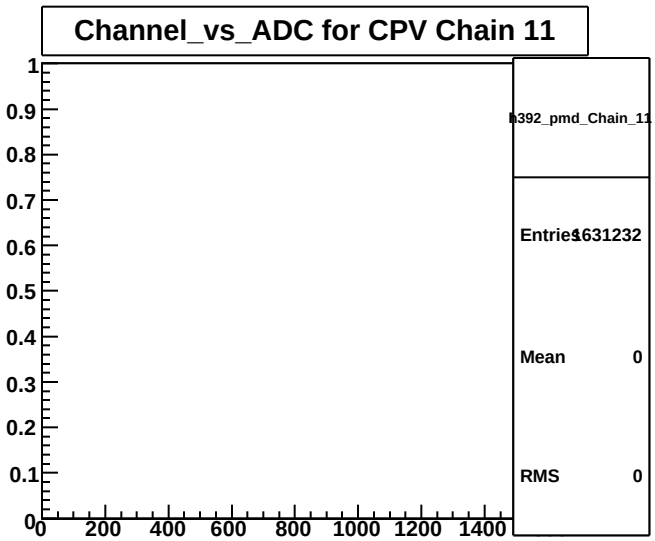

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 1631232
Mean 0
RMS 0

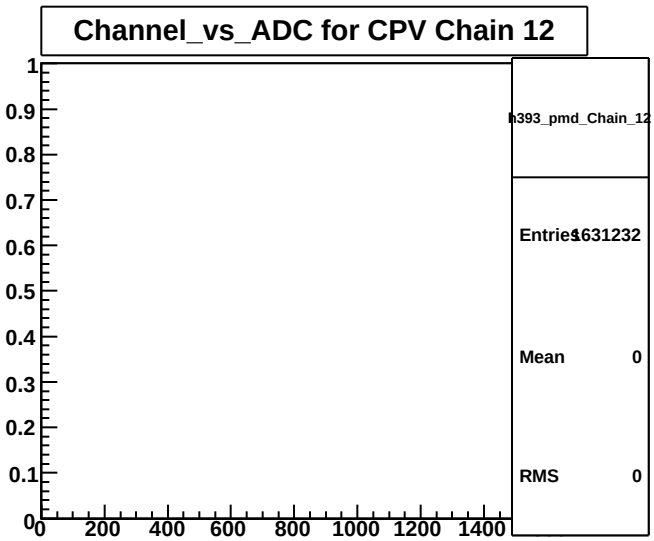

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 1631232
Mean 0
RMS 0

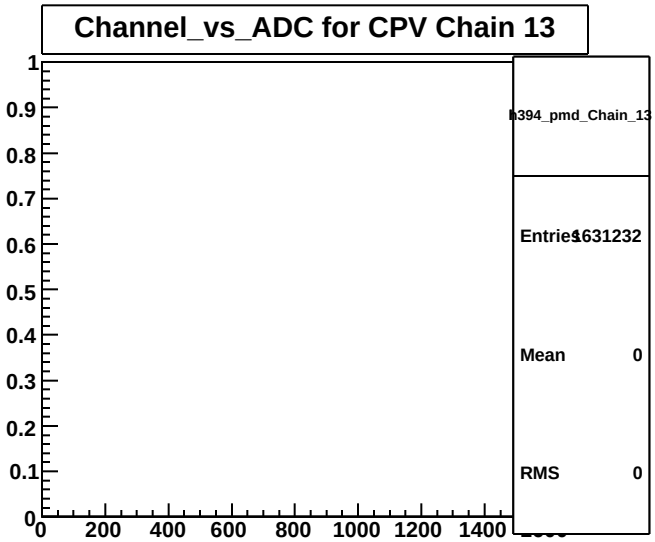

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 1631232
Mean 0
RMS 0

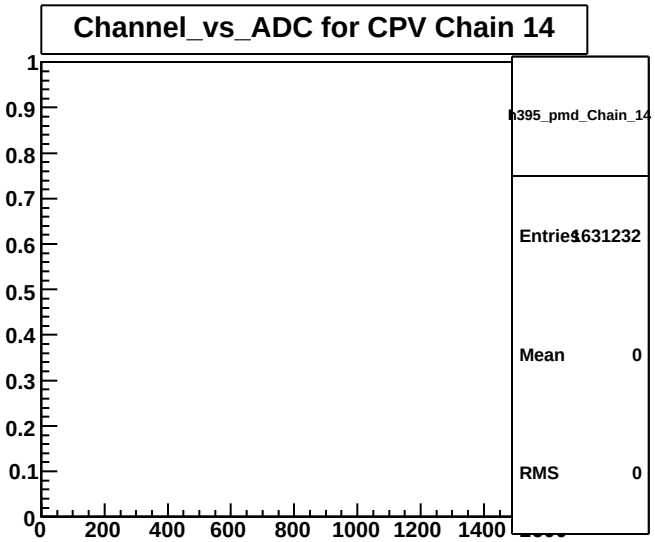

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 1631232
Mean 0
RMS 0

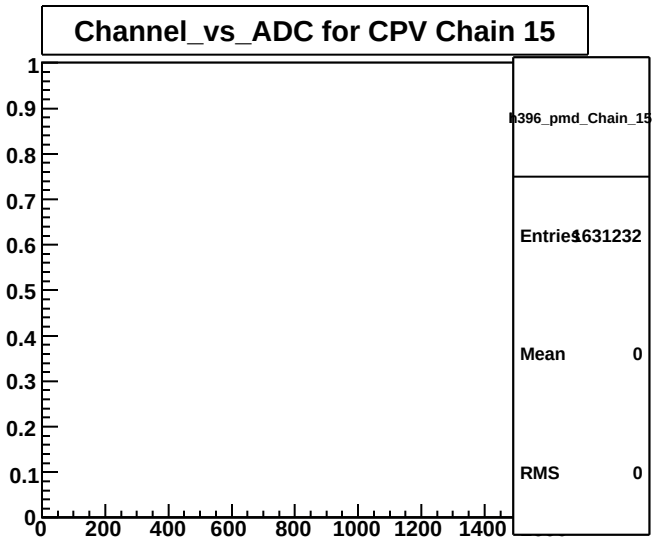

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 1631232
Mean 0
RMS 0

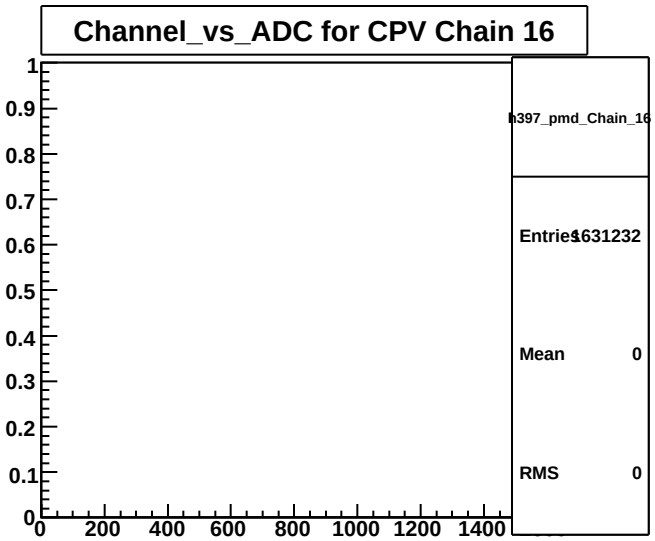

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 1631232
Mean 0
RMS 0

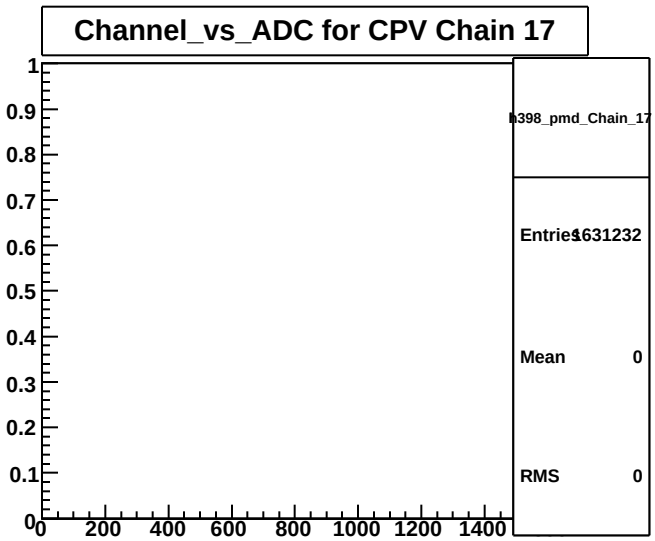

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 1631232
Mean 0
RMS 0

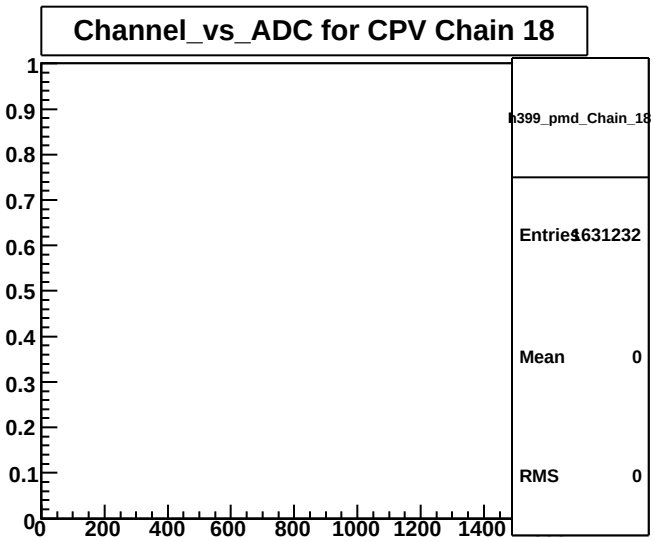

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 1631232
Mean 0
RMS 0

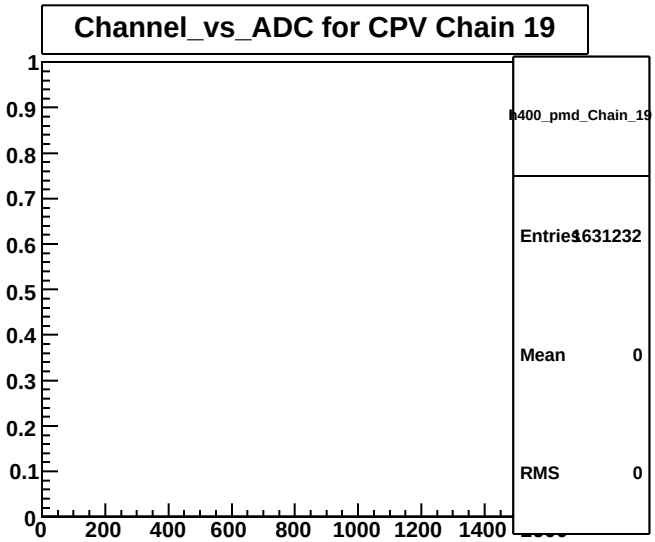

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 1631232
Mean 0
RMS 0

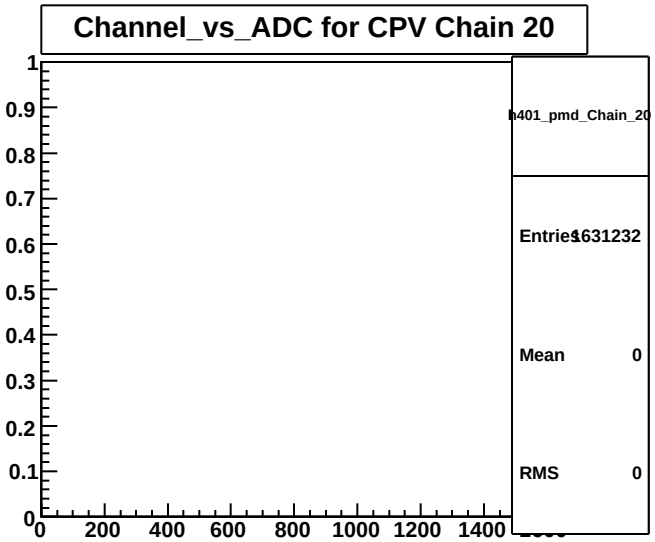

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 1631232
Mean 0
RMS 0

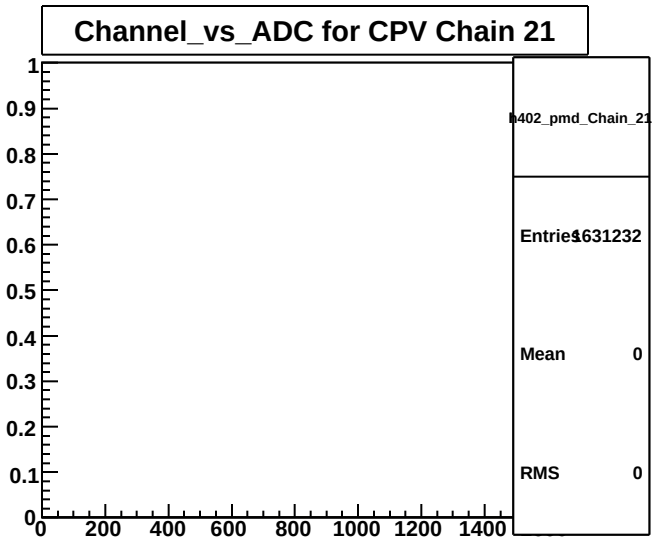

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 1631232
Mean 0
RMS 0

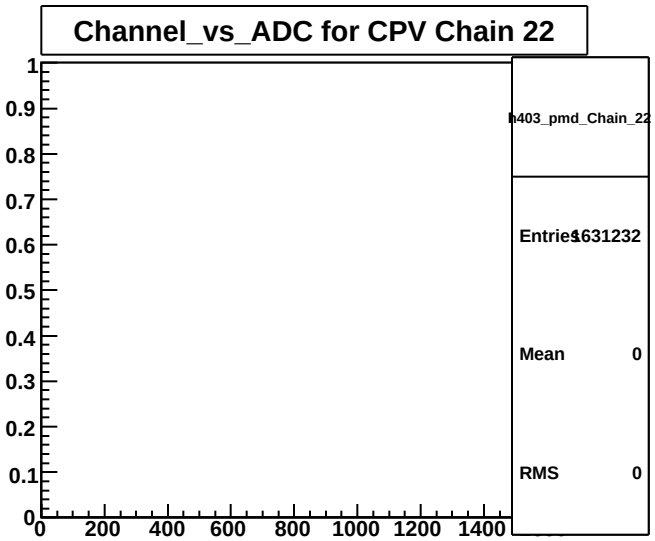

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 1631232
Mean 0
RMS 0

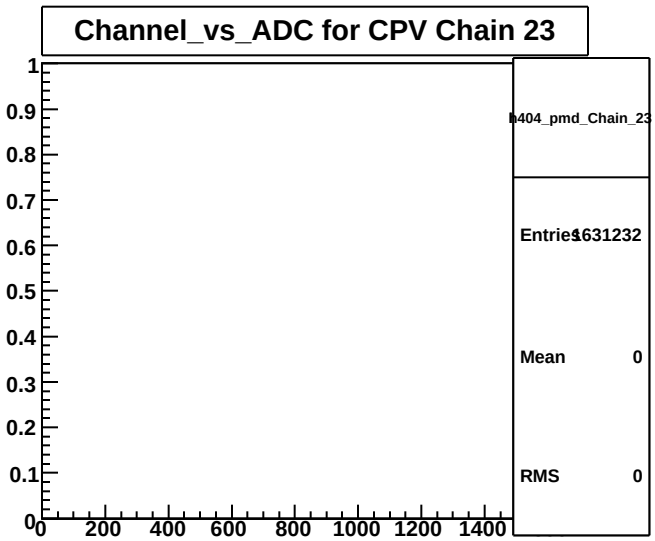

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 1631232
Mean 0
RMS 0

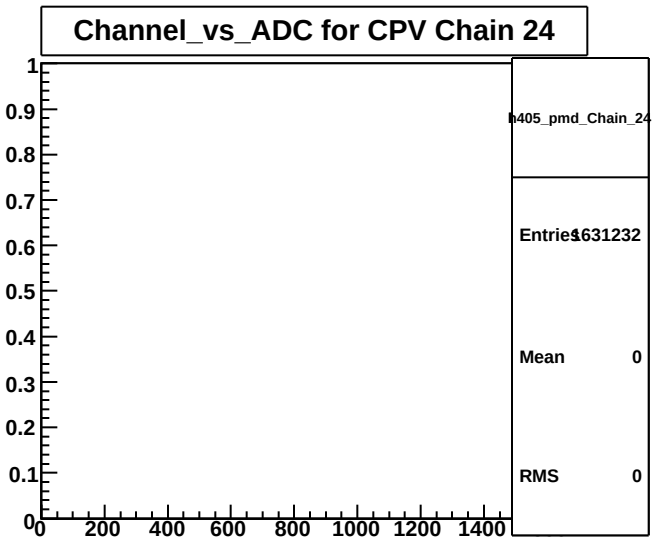

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 1631232
Mean 0
RMS 0

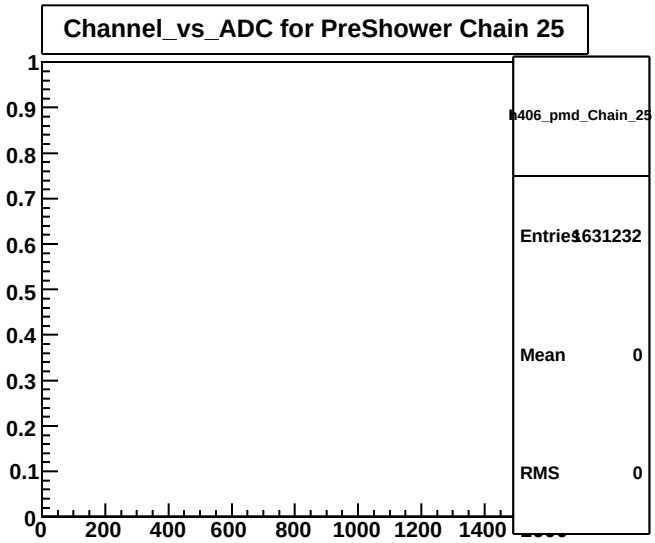

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 1631232
Mean 0
RMS 0

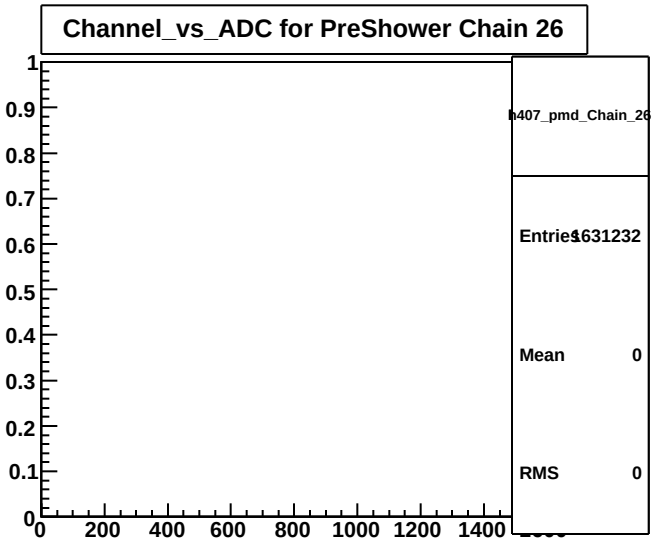

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 1631232
Mean 0
RMS 0

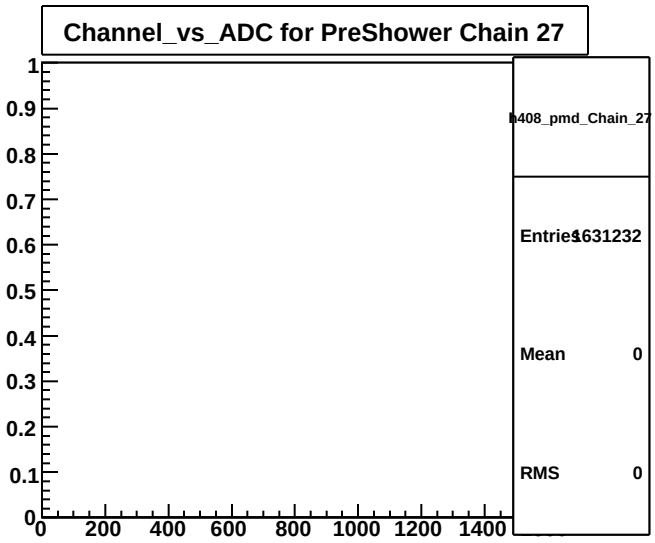

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 1631232
Mean 0
RMS 0

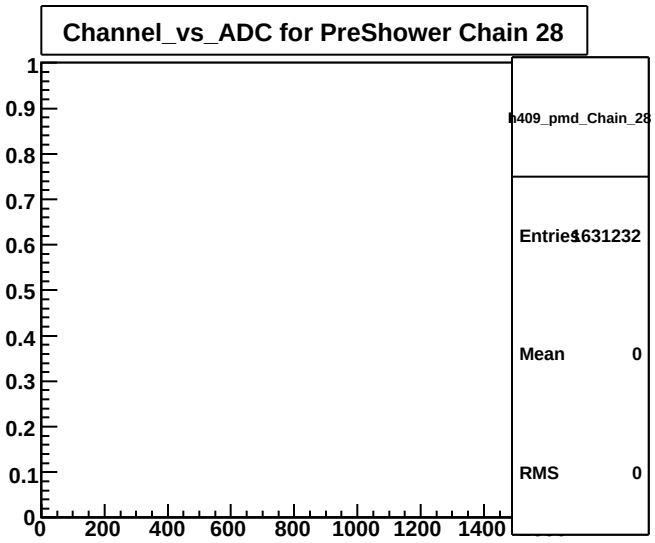

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 1631232
Mean 0
RMS 0

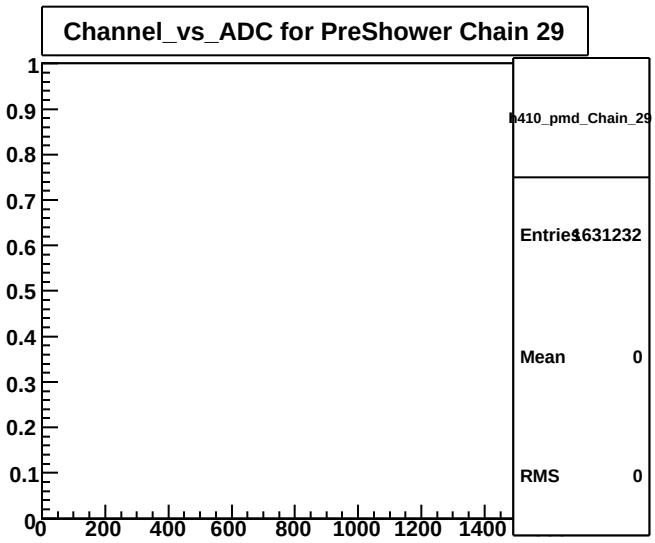

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 1631232
Mean 0
RMS 0

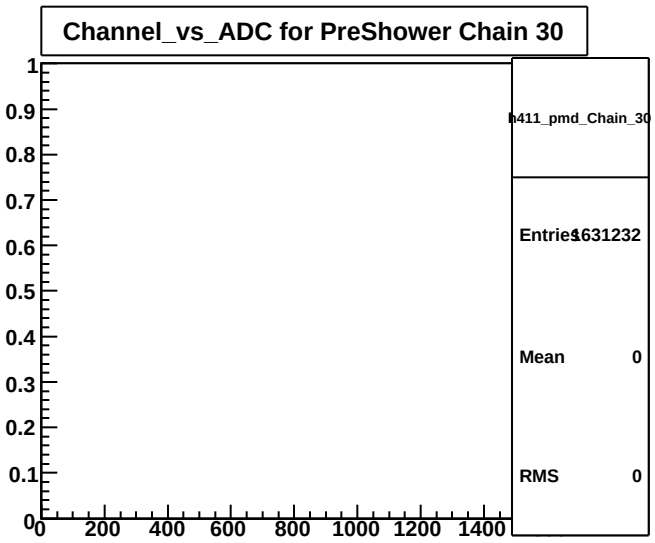

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 1631232
Mean 0
RMS 0

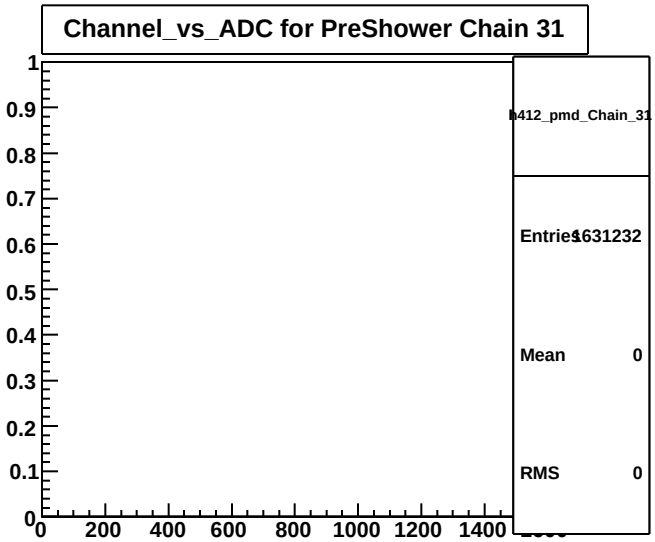

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 1631232
Mean 0
RMS 0

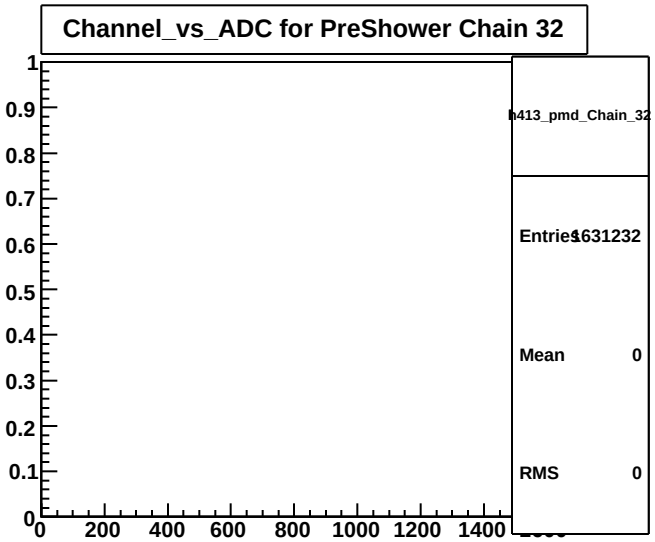

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 1631232
Mean 0
RMS 0

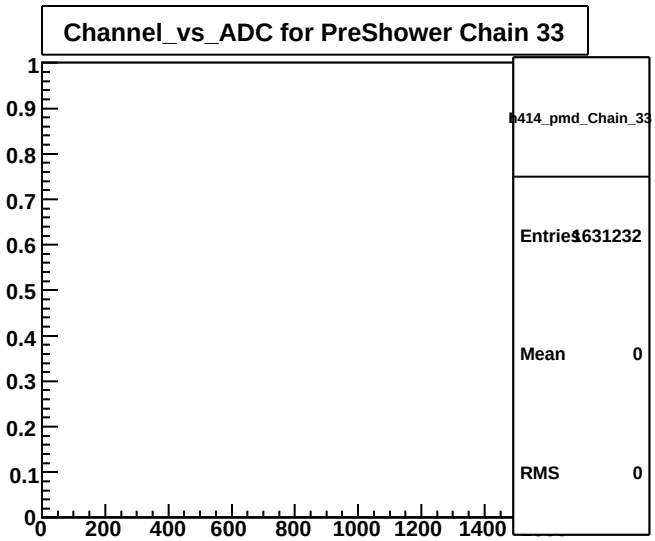

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 1631232
Mean 0
RMS 0

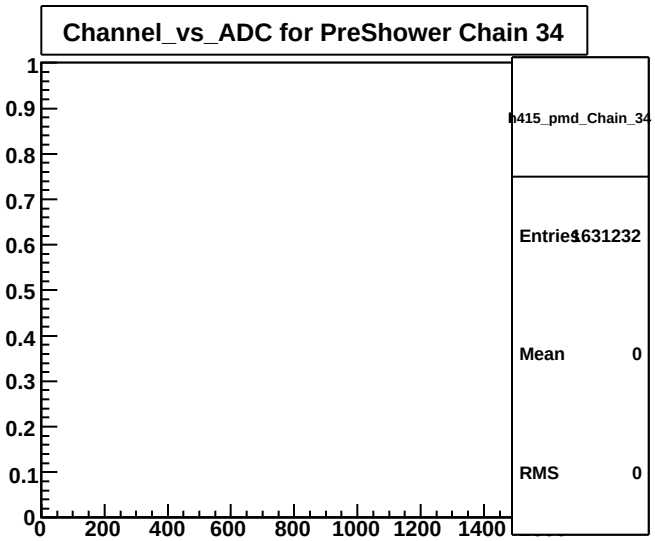

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 1631232
Mean 0
RMS 0

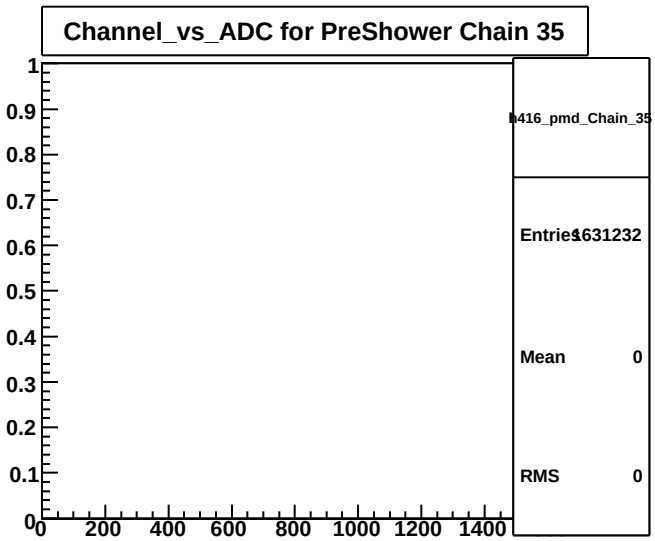

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 1631232
Mean 0
RMS 0

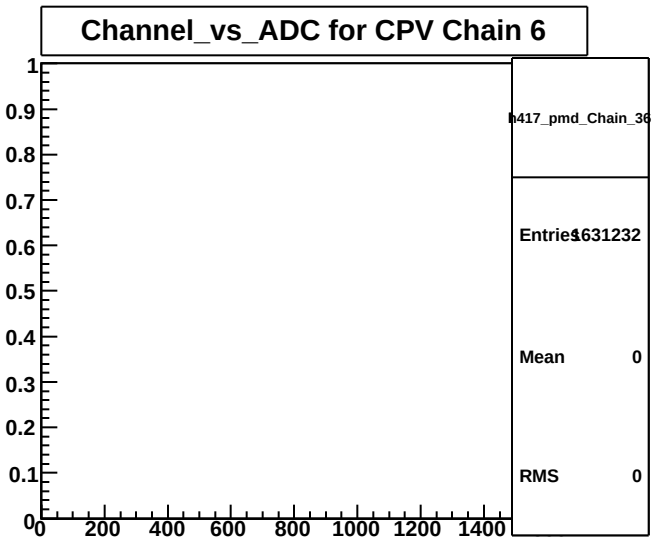

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 1631232
Mean 0
RMS 0

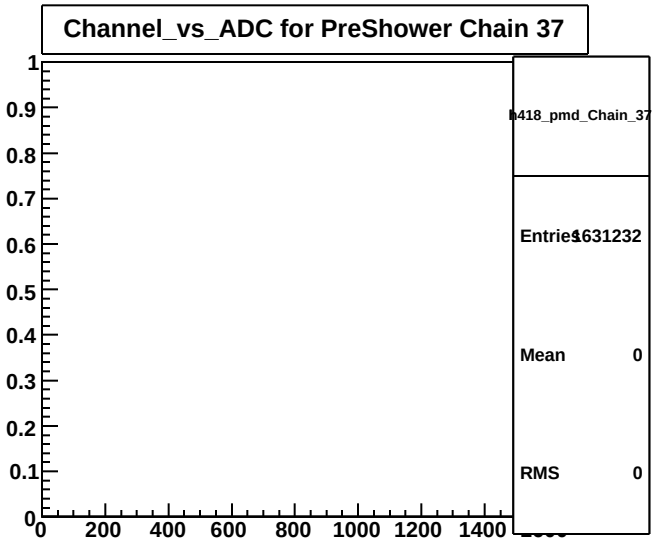

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 1631232
Mean 0
RMS 0

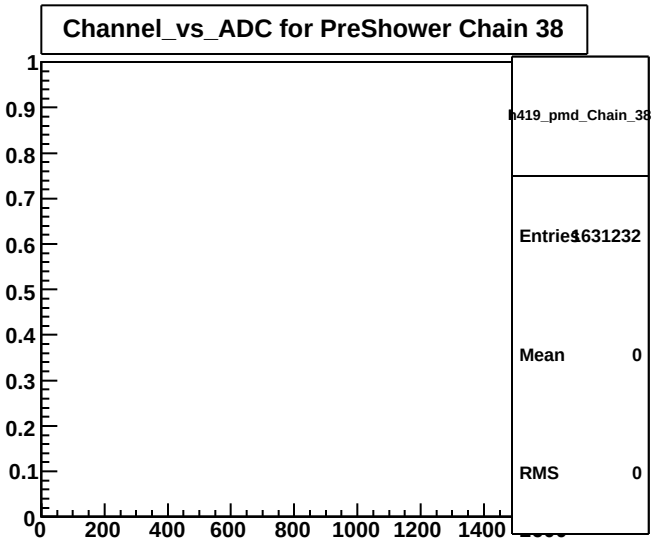

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 1631232
Mean 0
RMS 0

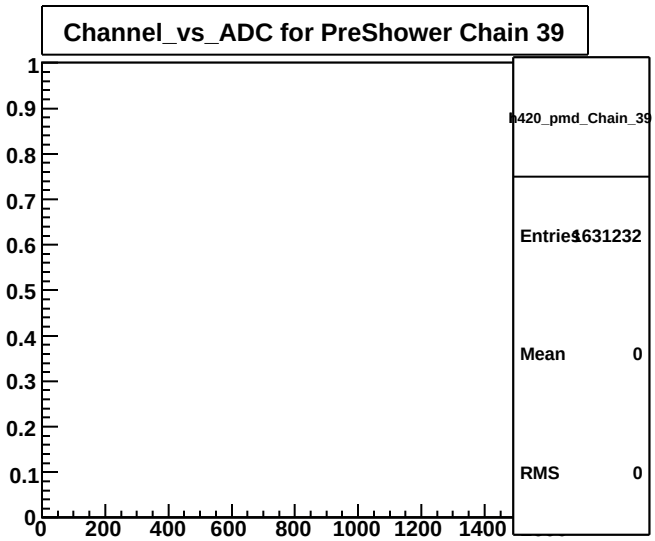

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 1631232
Mean 0
RMS 0

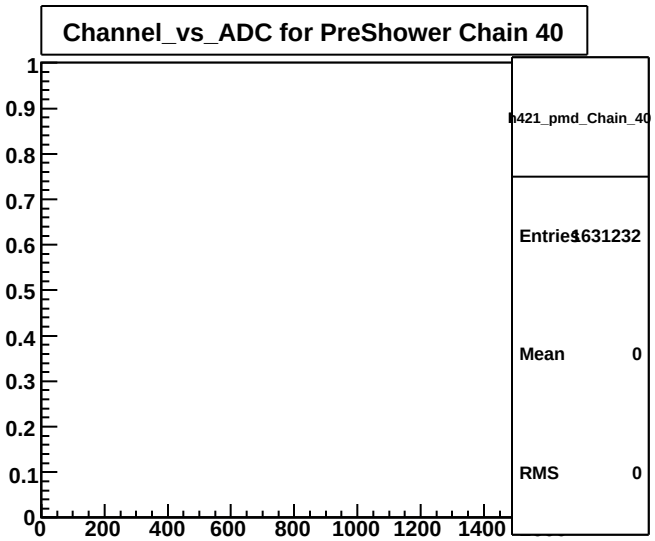

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 1631232
Mean 0
RMS 0

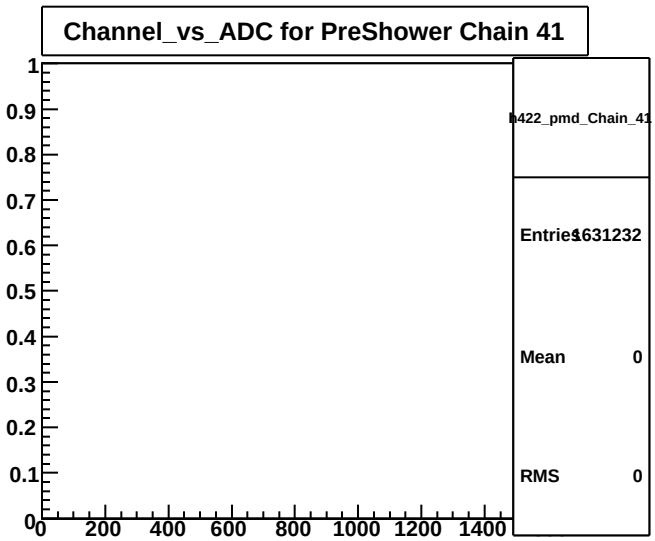

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 1631232
Mean 0
RMS 0

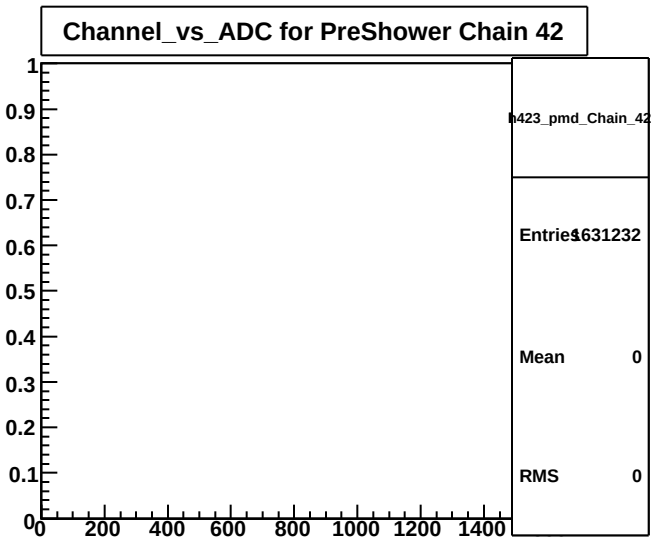

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 1631232
Mean 0
RMS 0

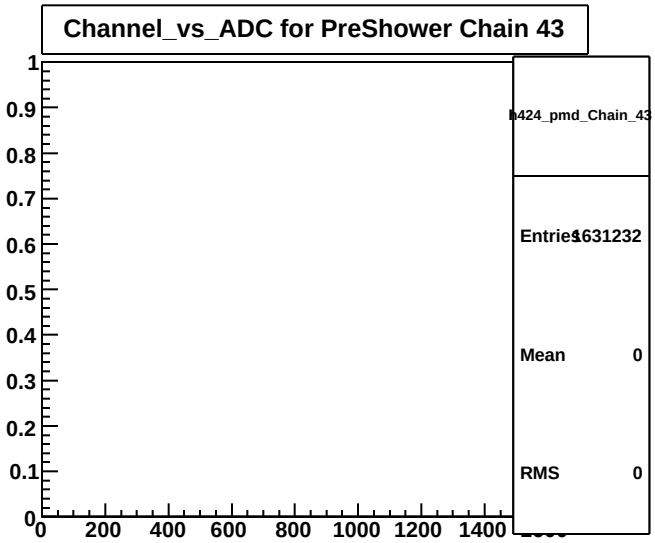

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 1631232
Mean 0
RMS 0

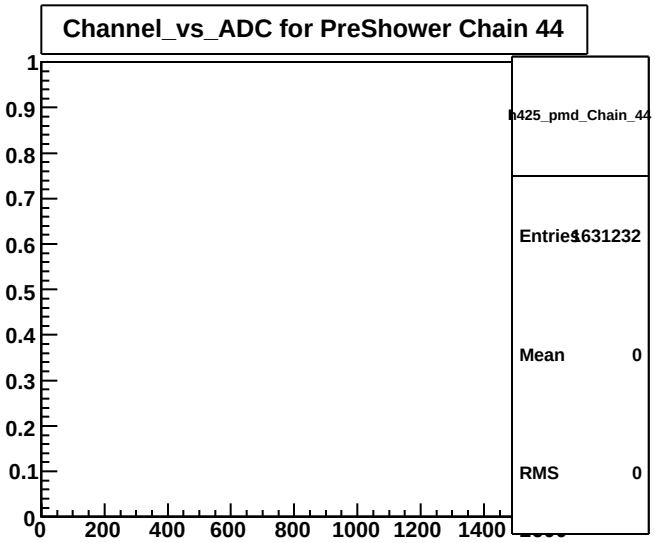

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 1631232
Mean 0
RMS 0

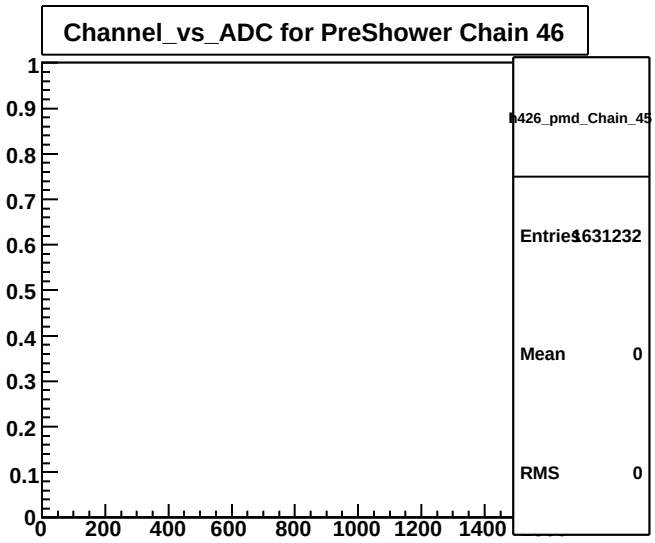

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 1631232
Mean 0
RMS 0

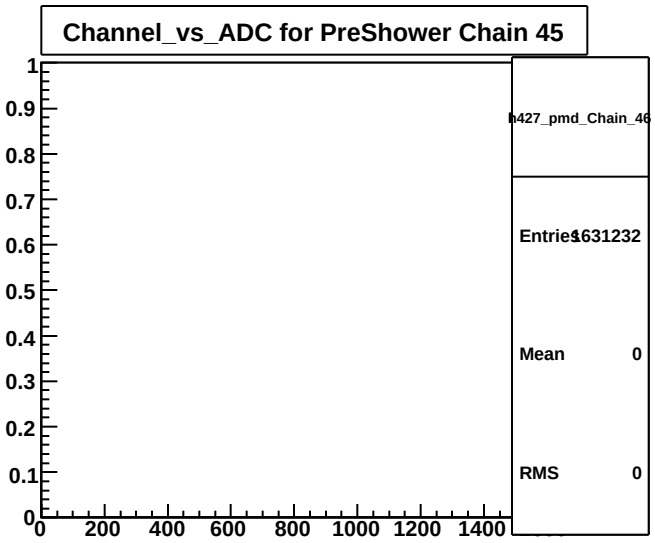

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 1631232
Mean 0
RMS 0

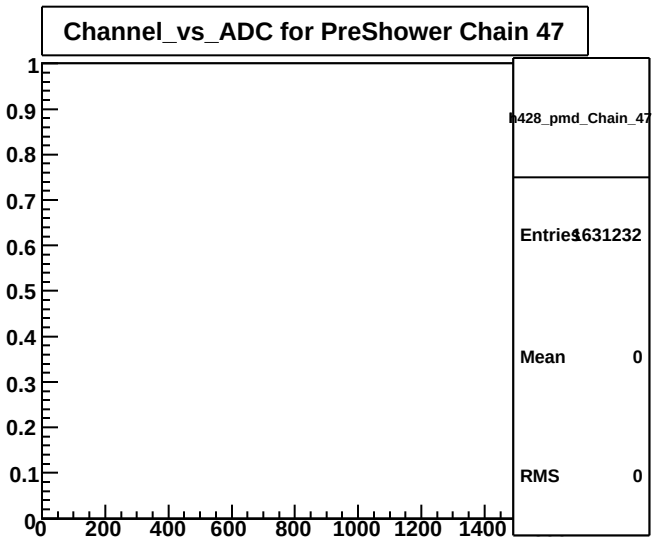

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 1631232
Mean 0
RMS 0

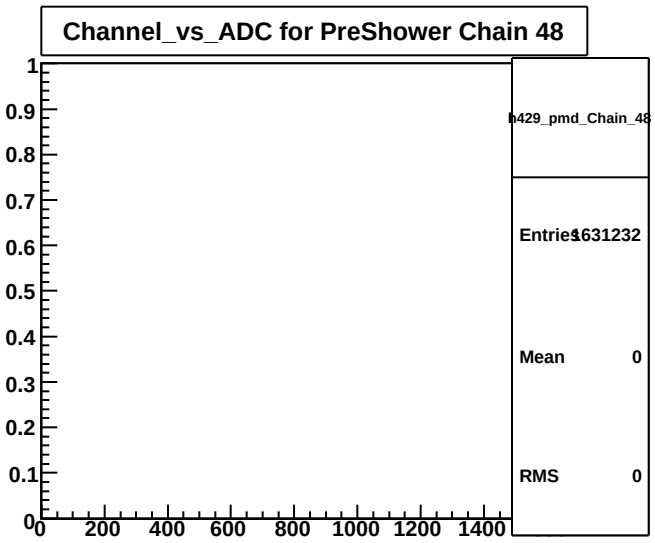

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 1631232
Mean 0
RMS 0

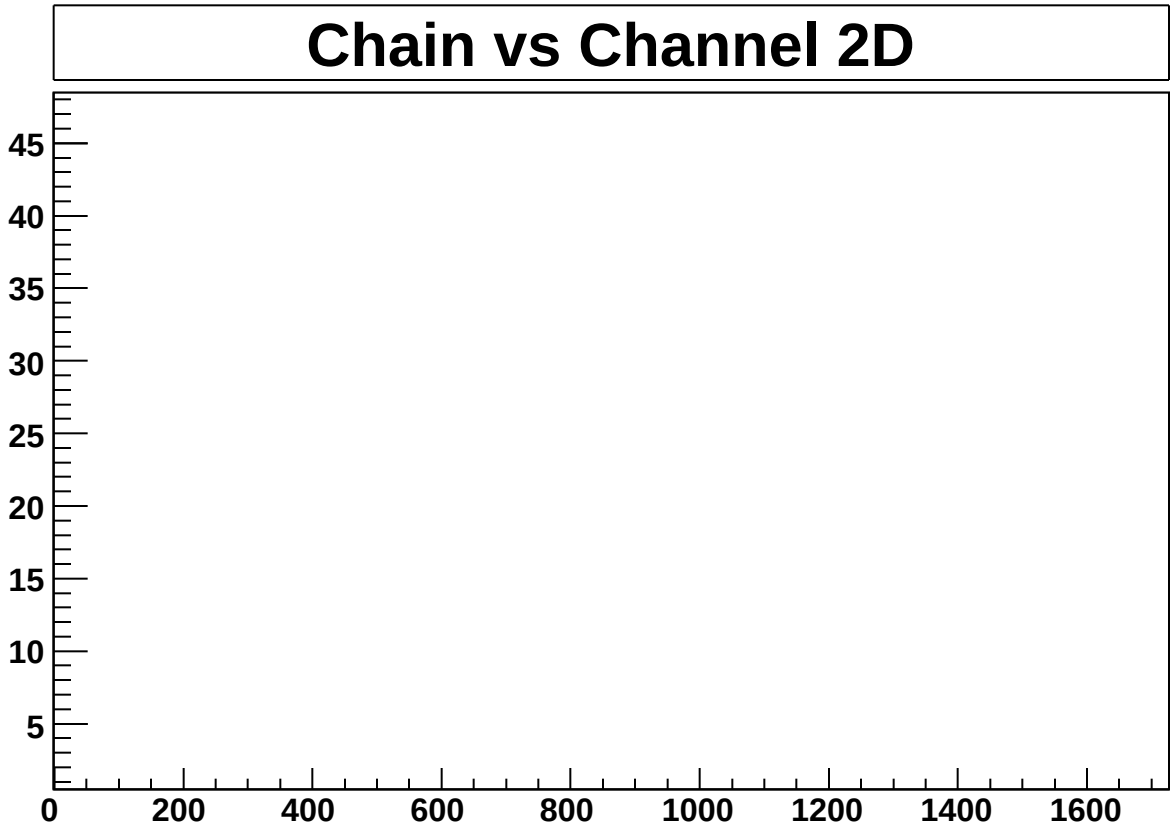

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 1631232
Mean 0
RMS 0

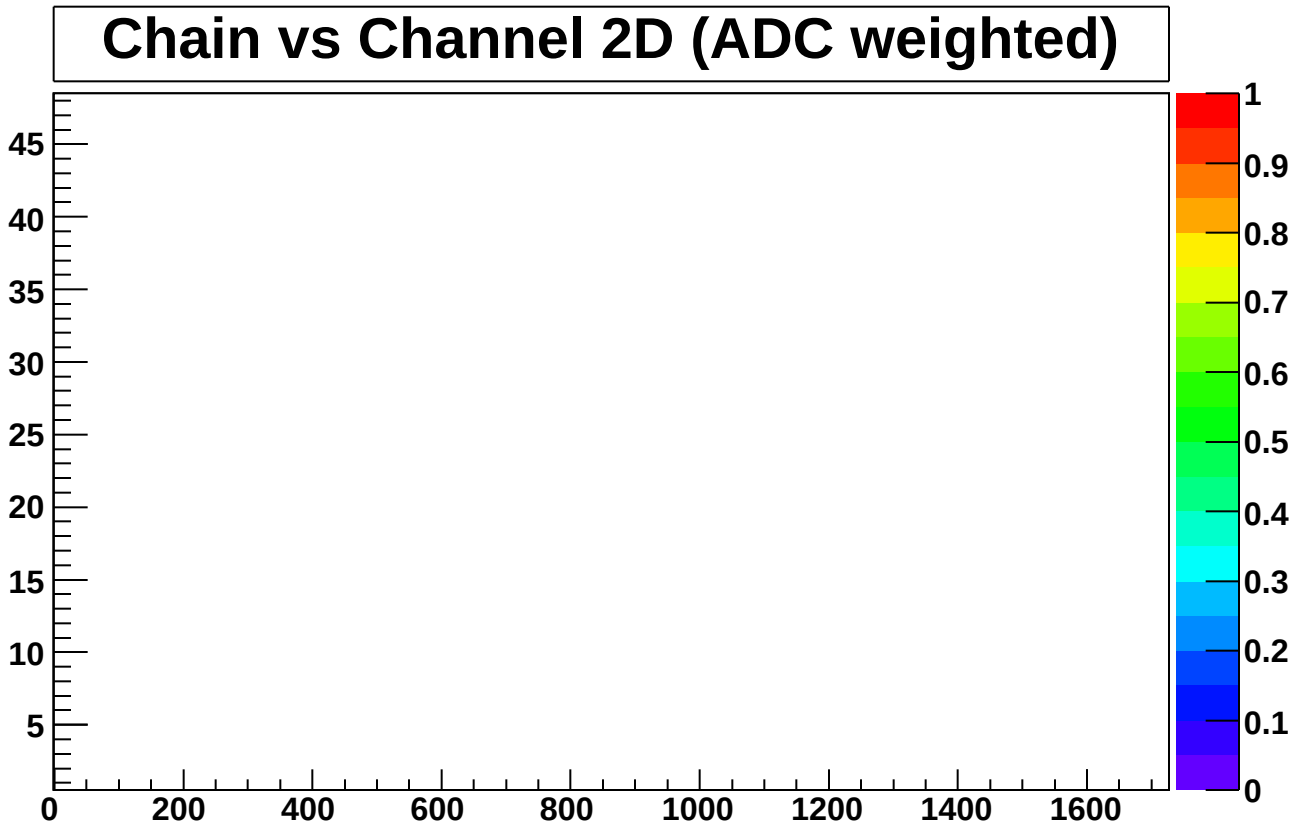

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 1631232
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 1631232
Mean 0
RMS 0

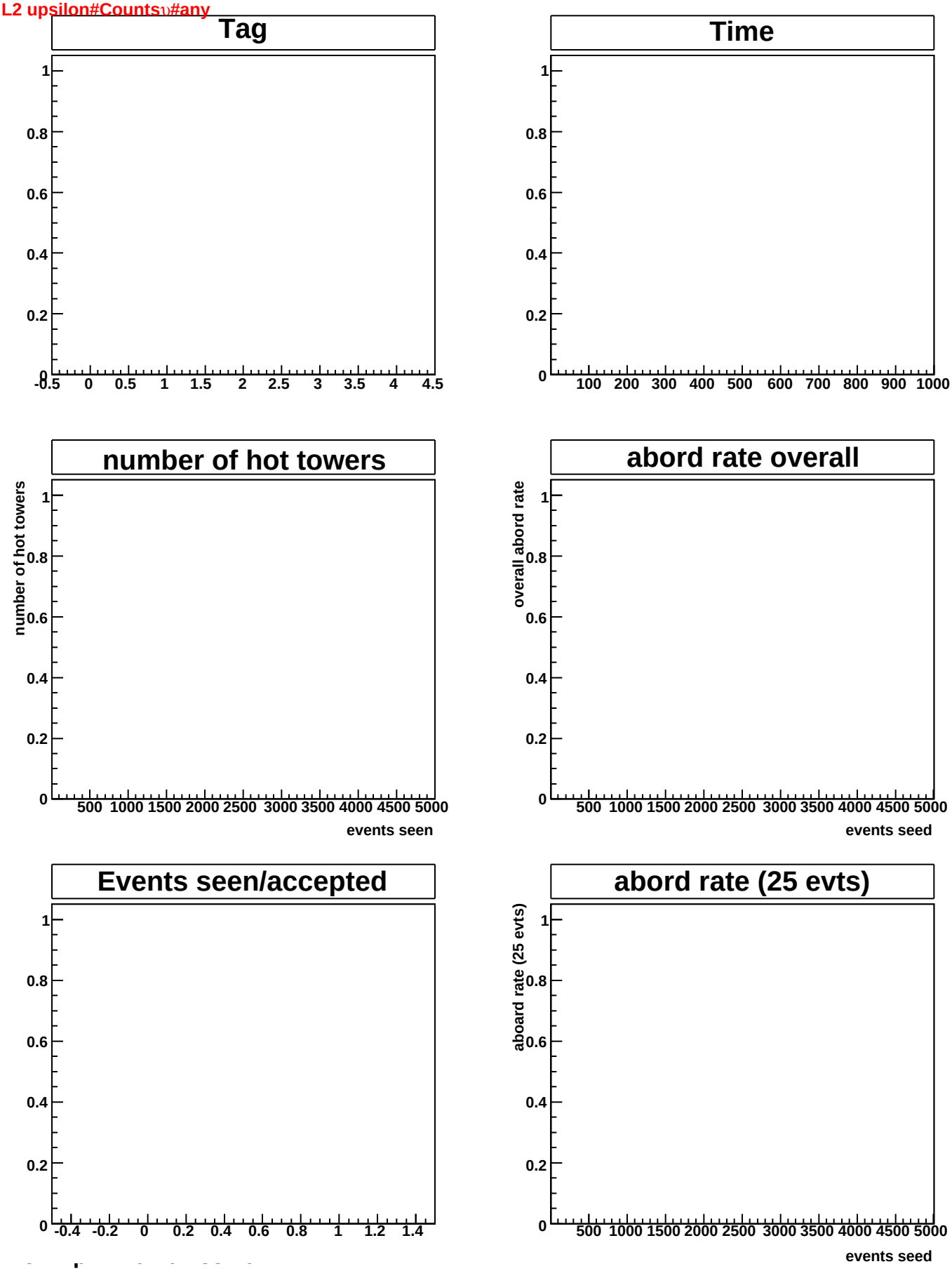

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 1631232
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 1631232
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



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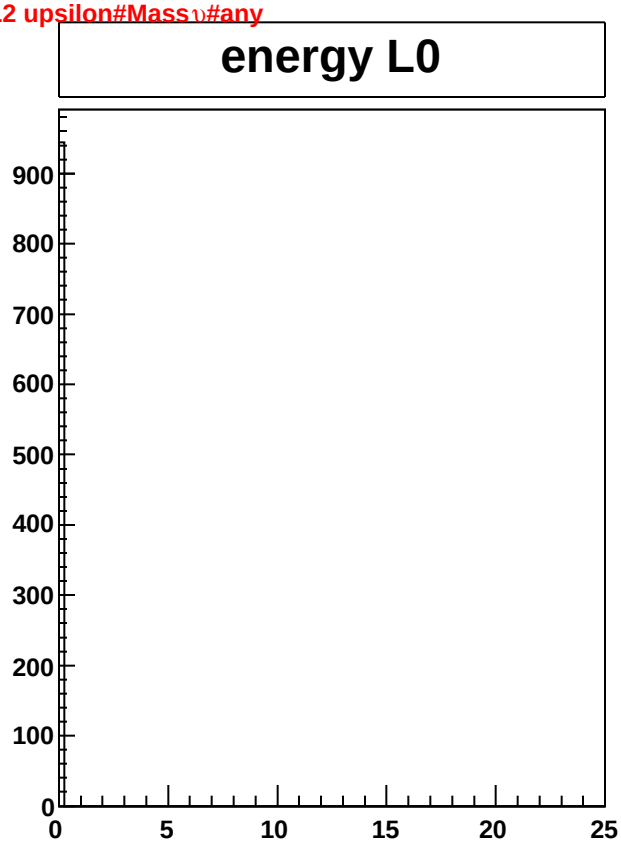

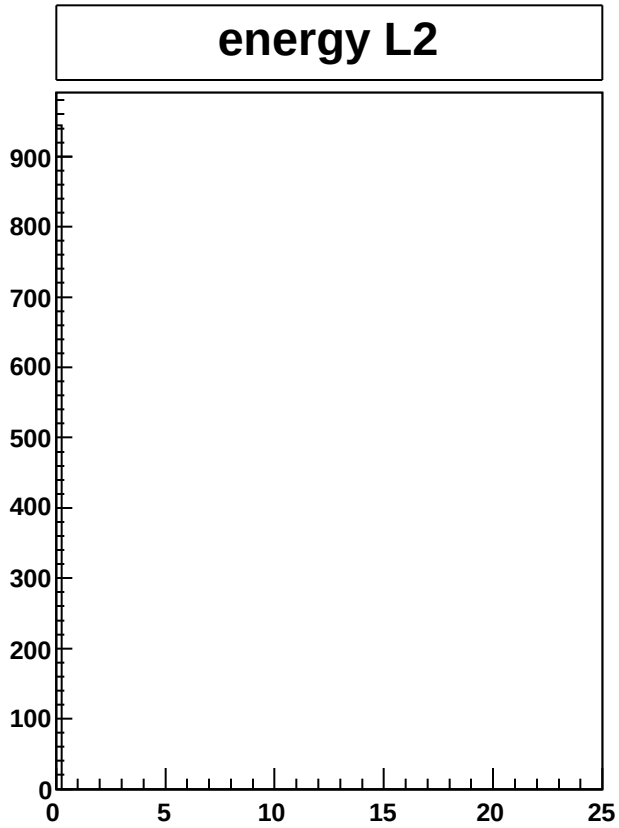

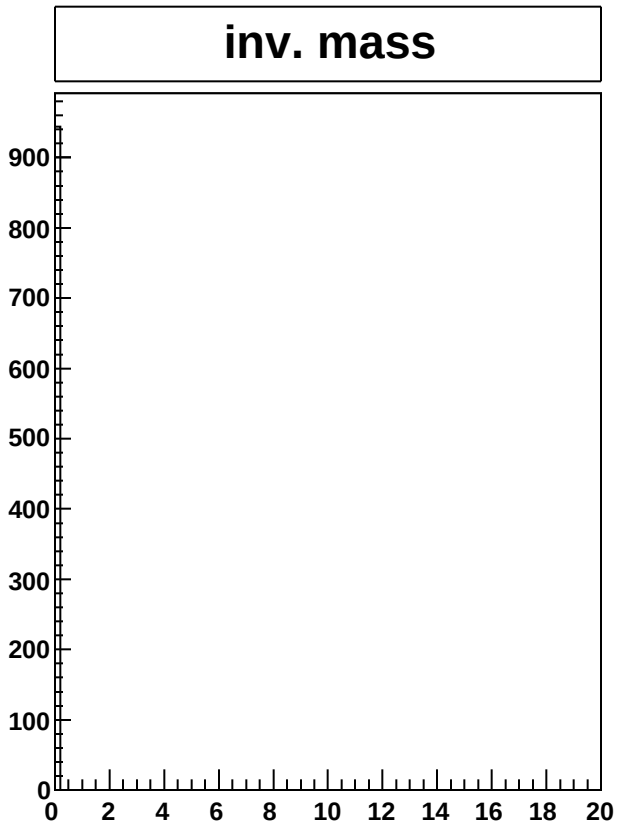

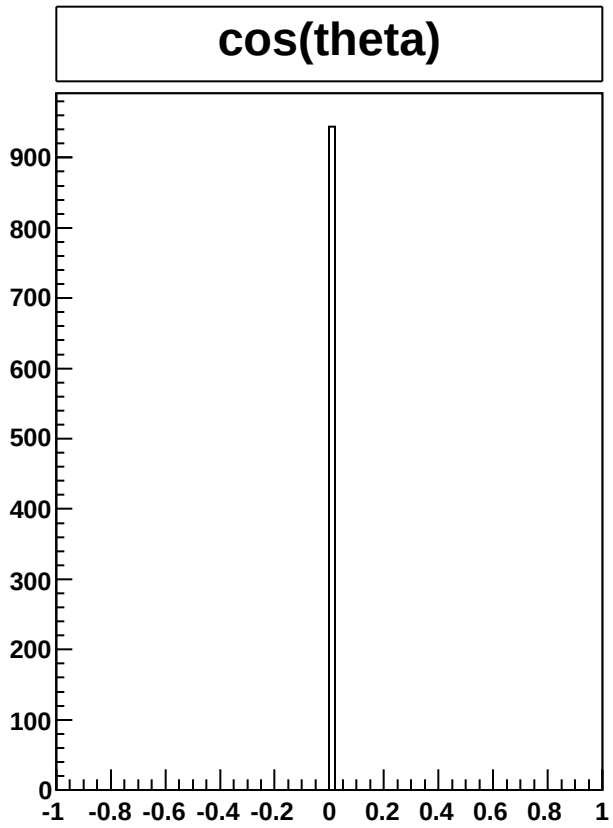

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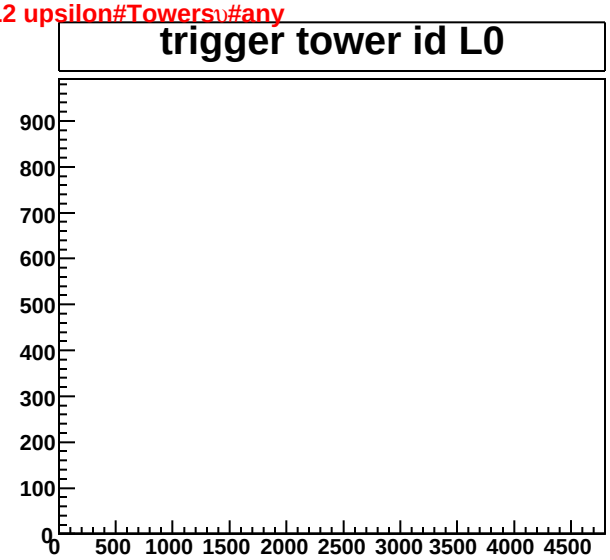

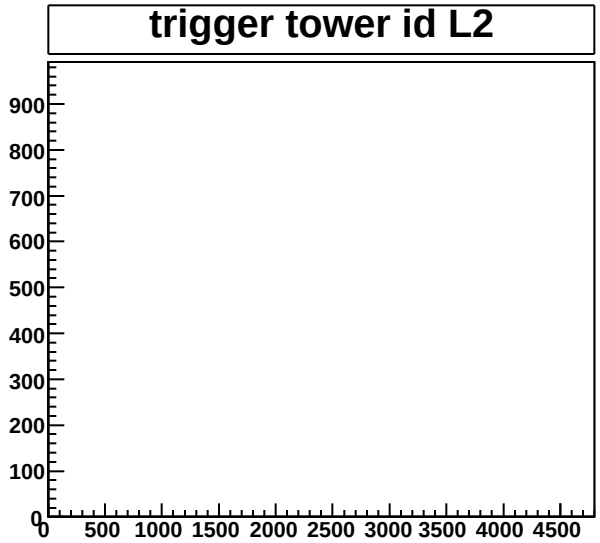

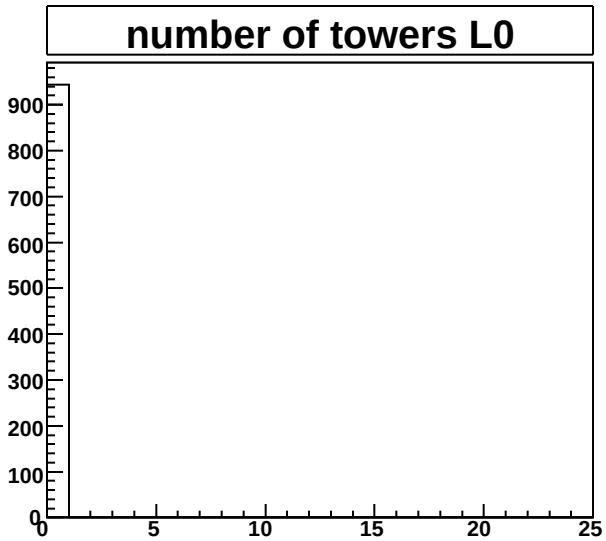

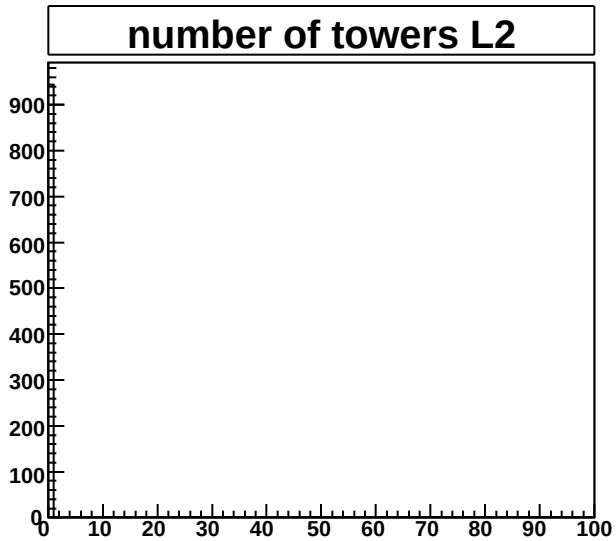

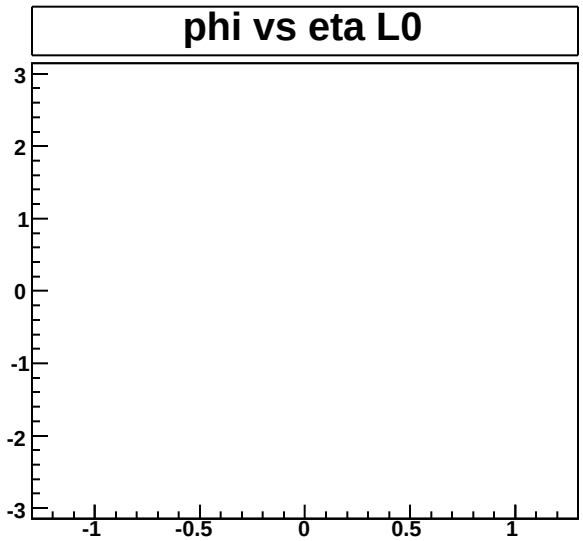

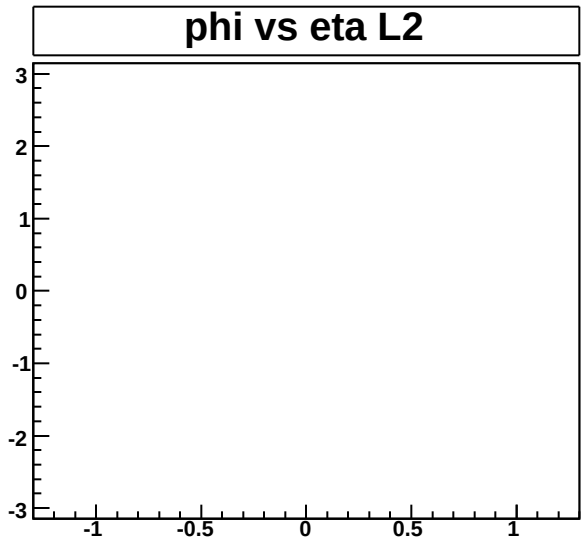

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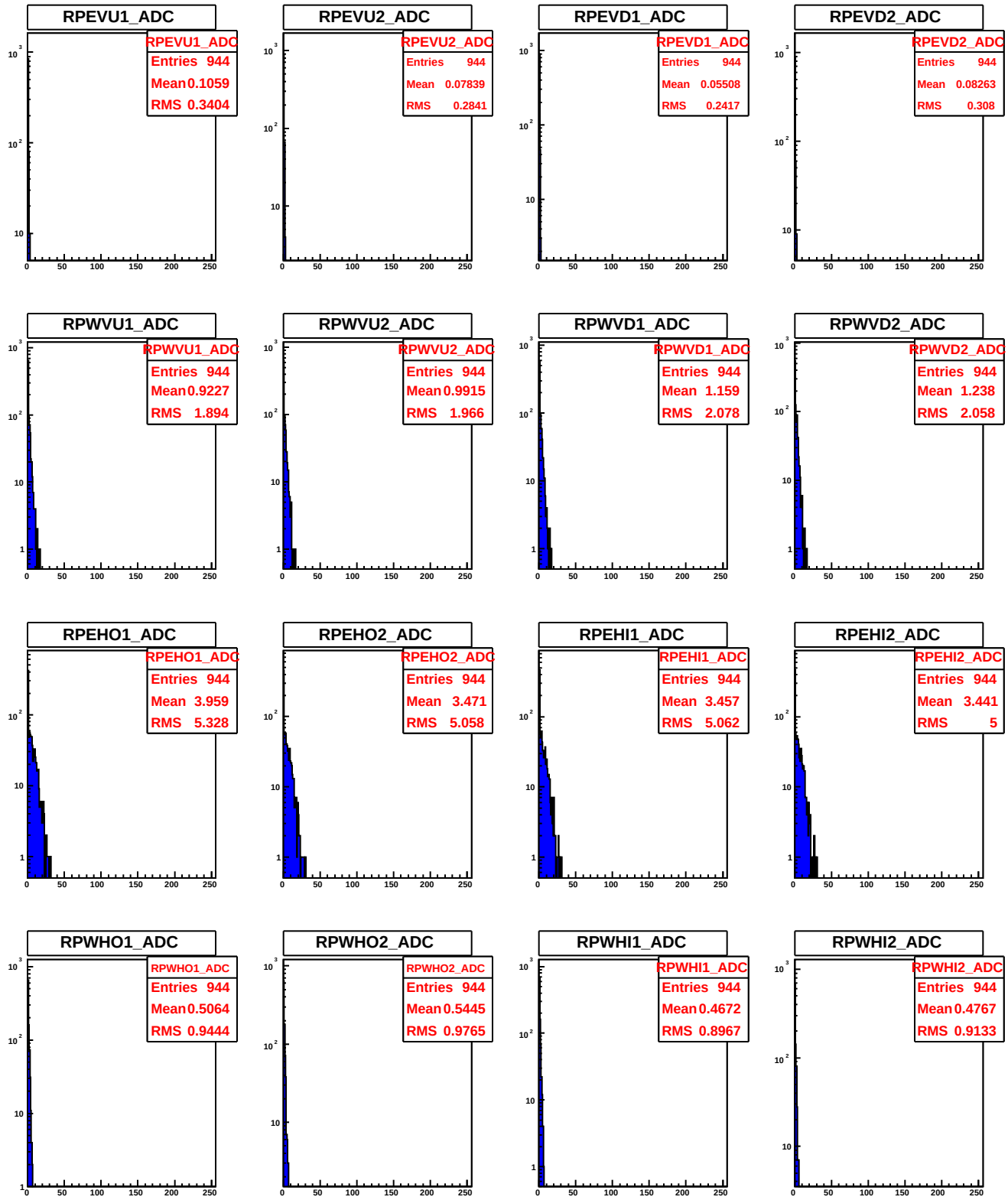

Mon Apr 11 04:01:33 2011

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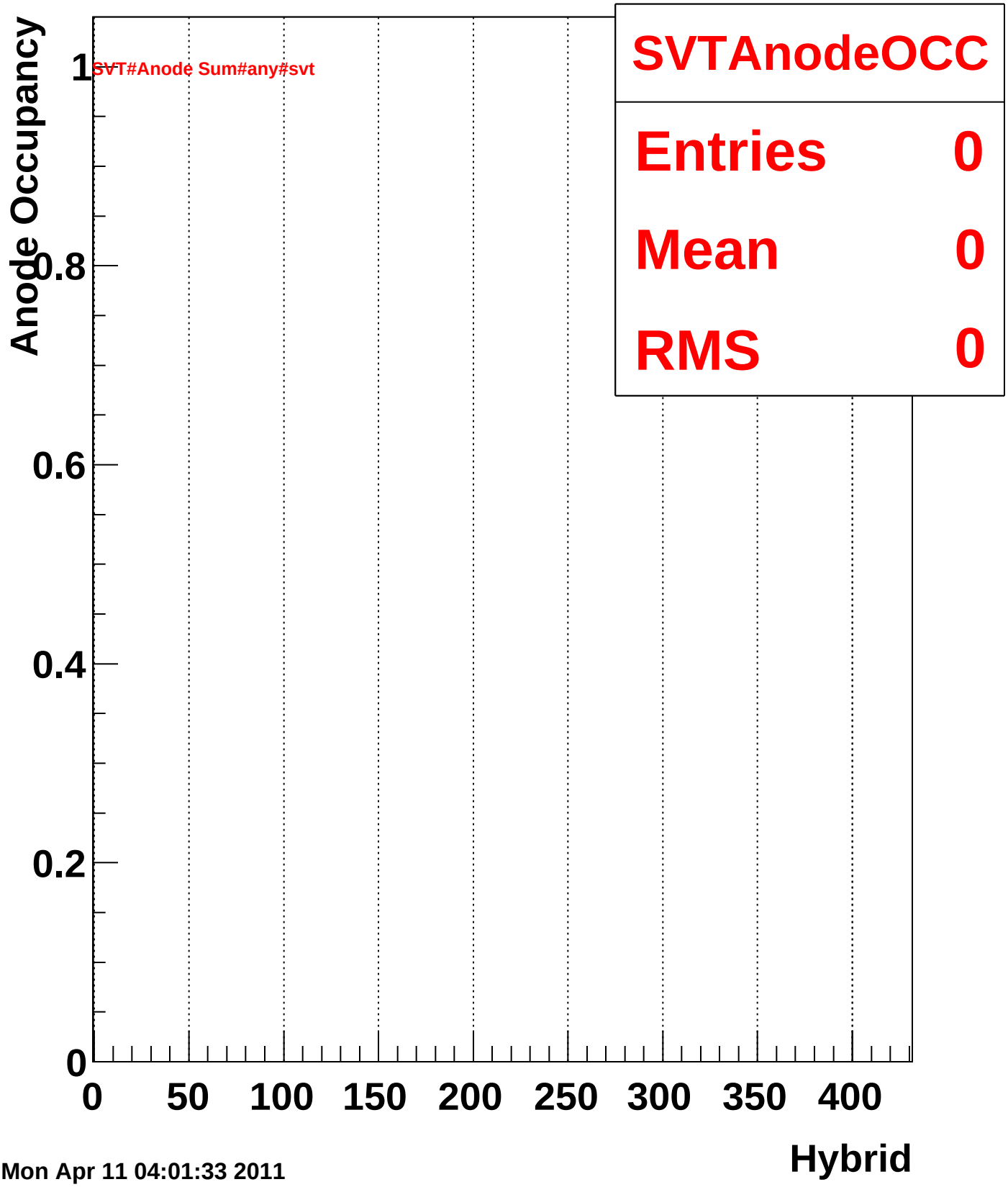
Run: #12101010

Mon Apr 11 04:01:33 2011

SVTAnodeOCC



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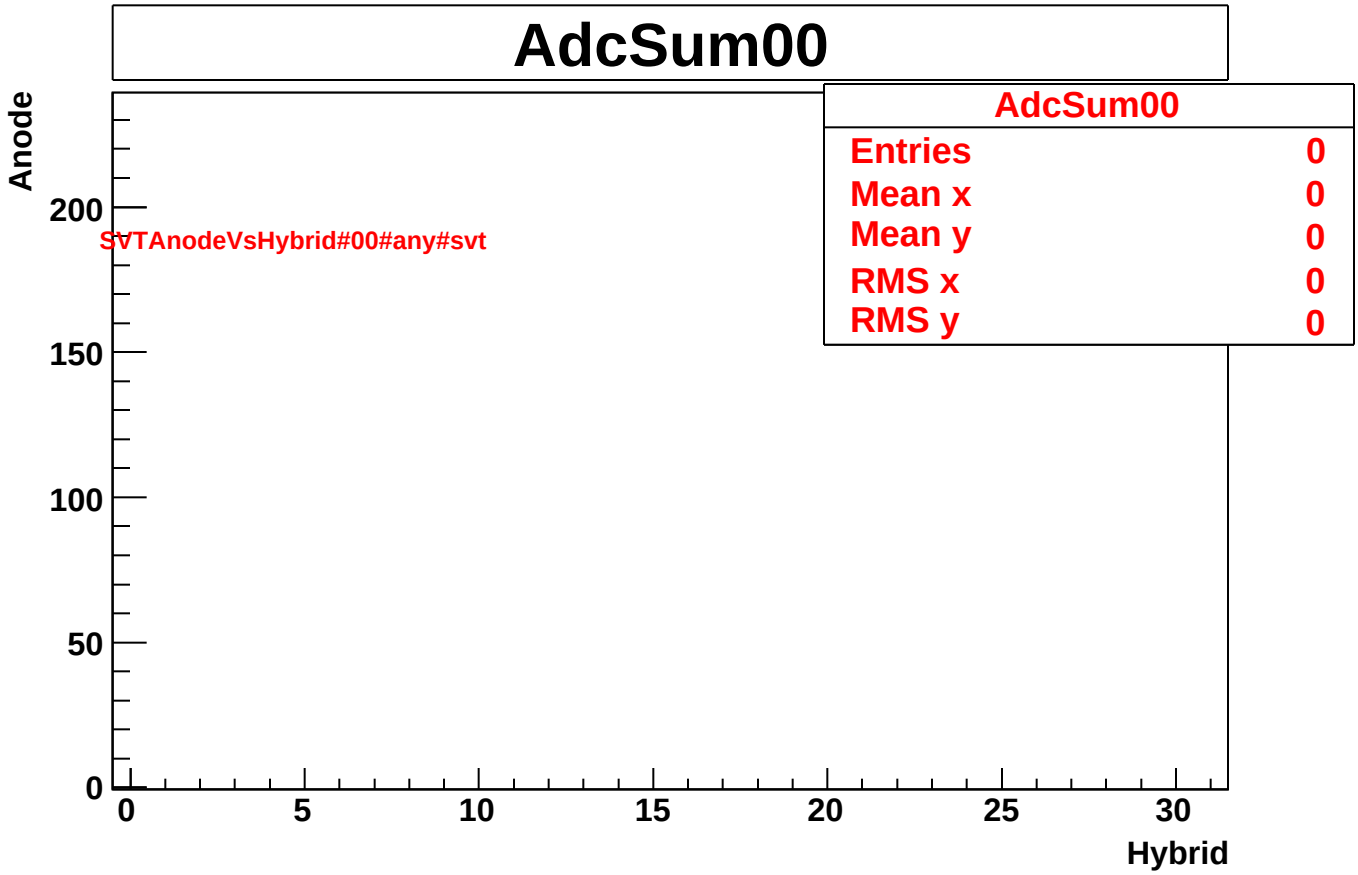
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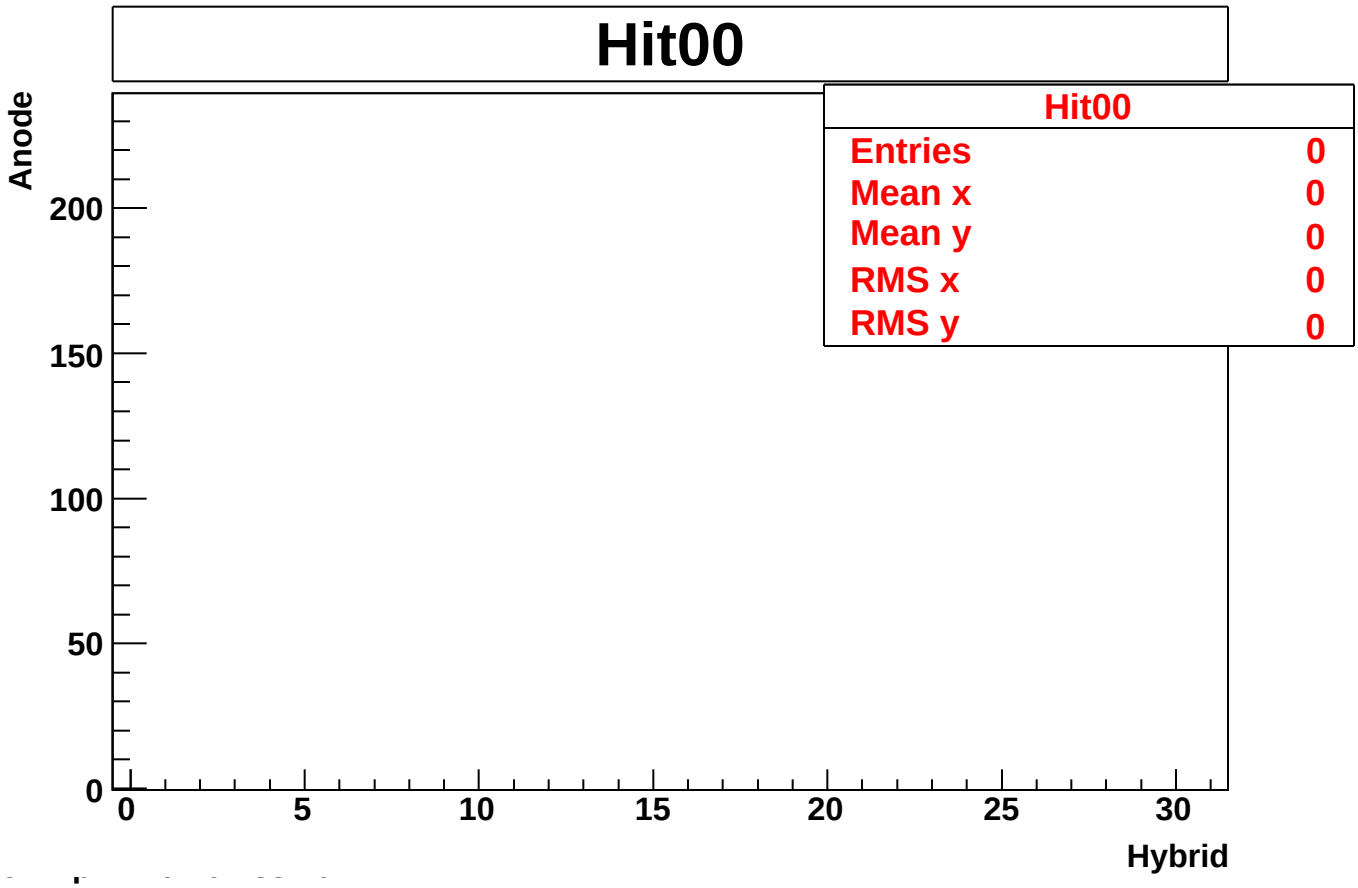
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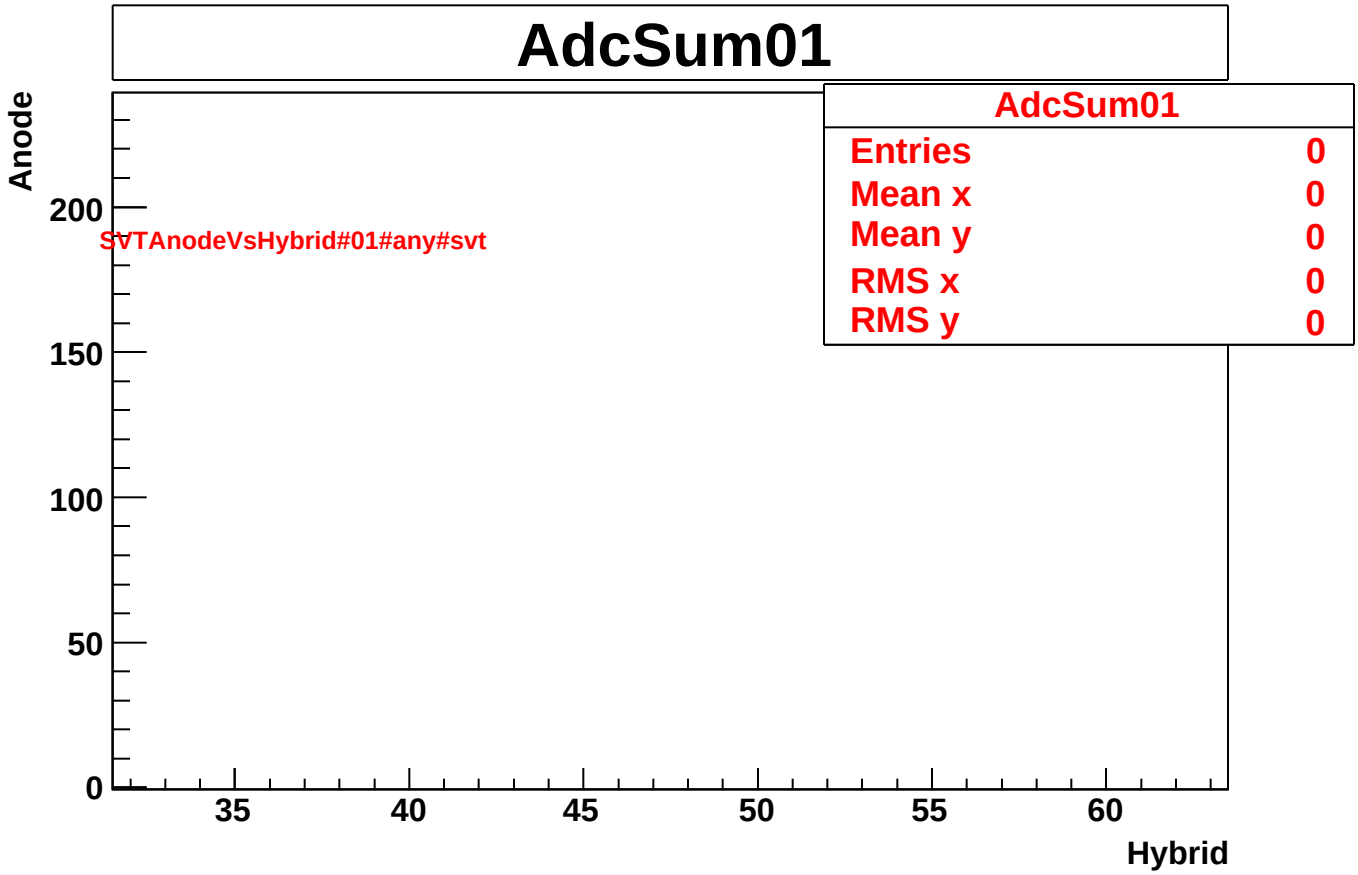
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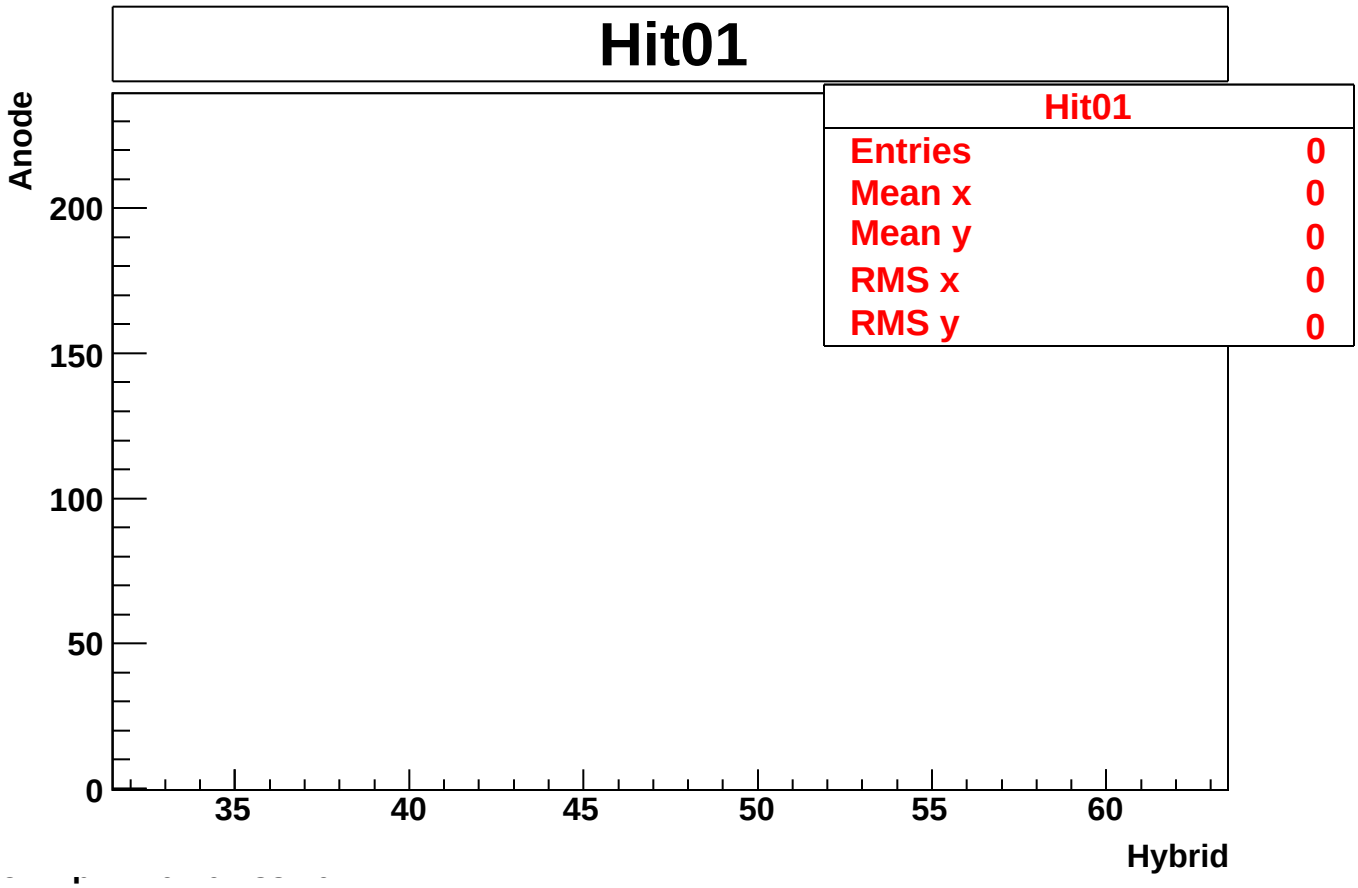
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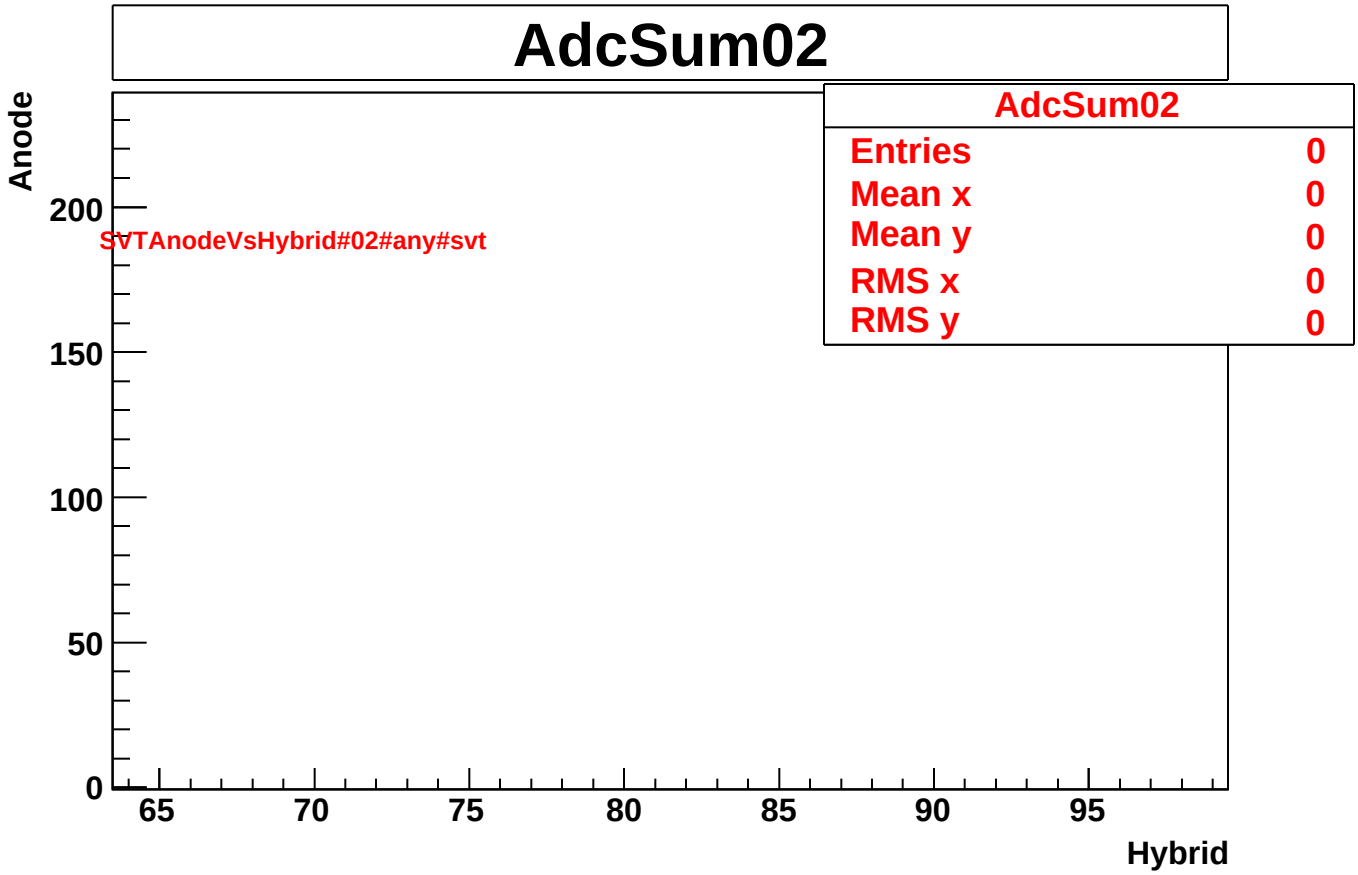
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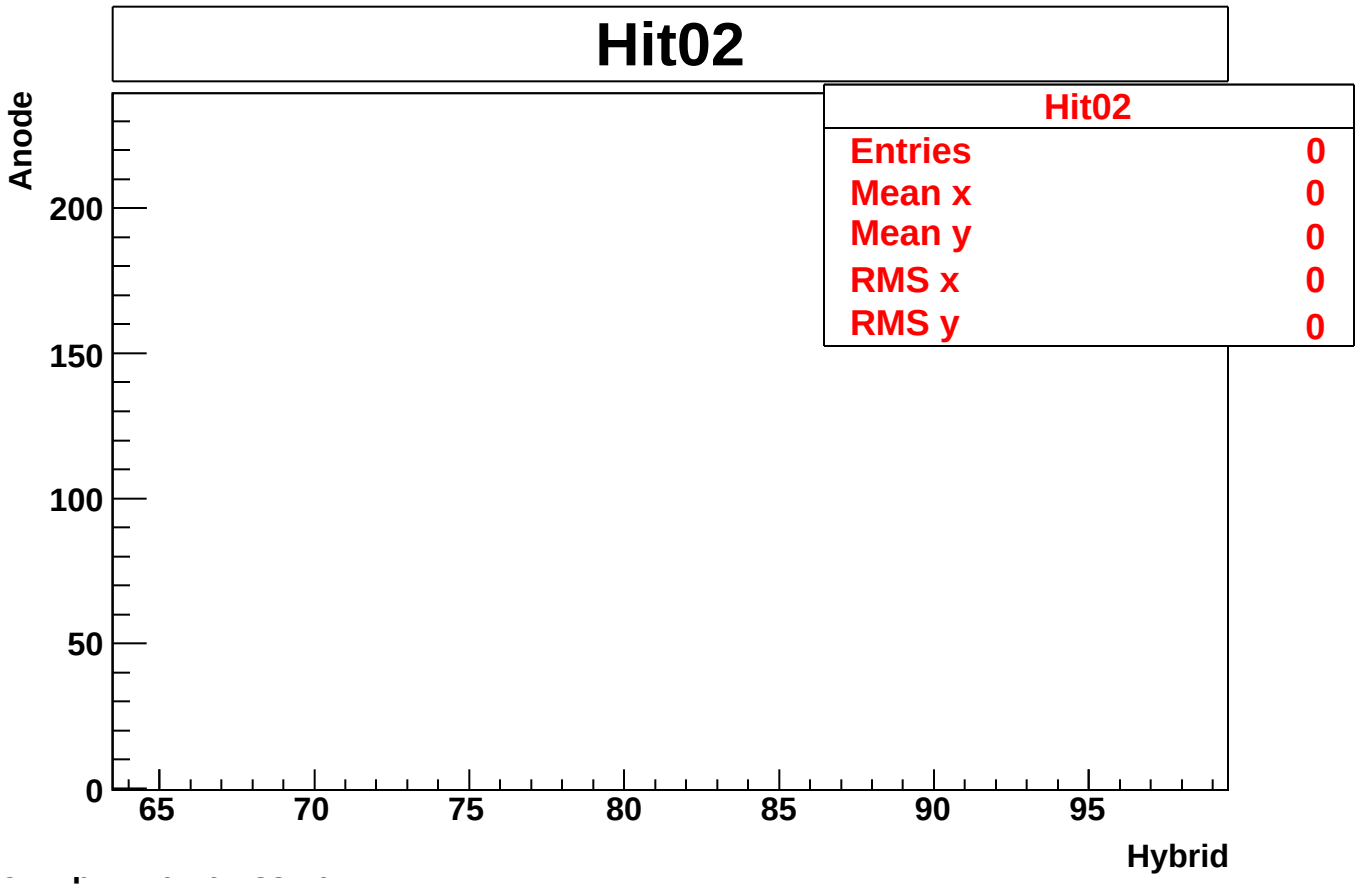
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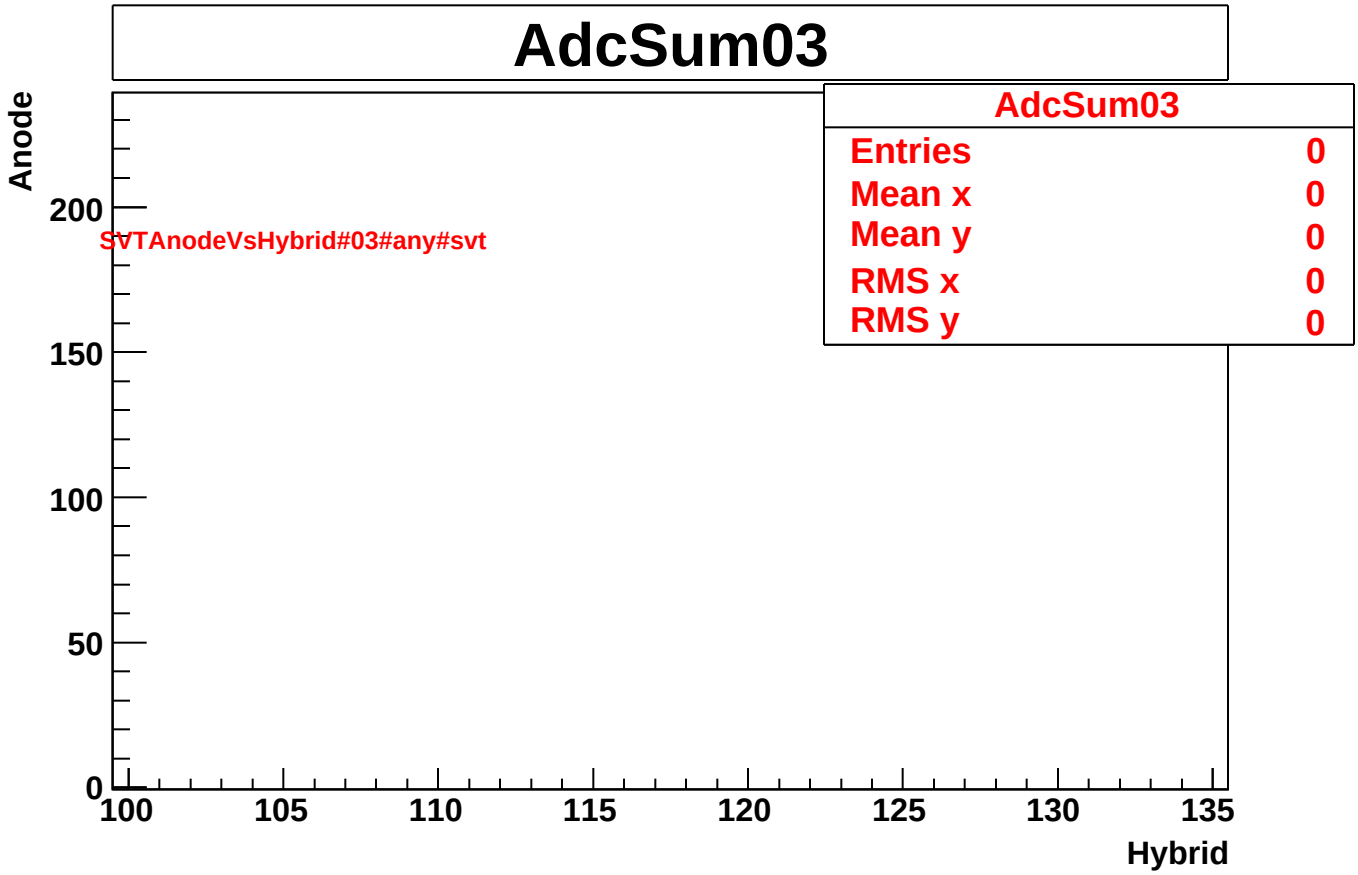
Hybrid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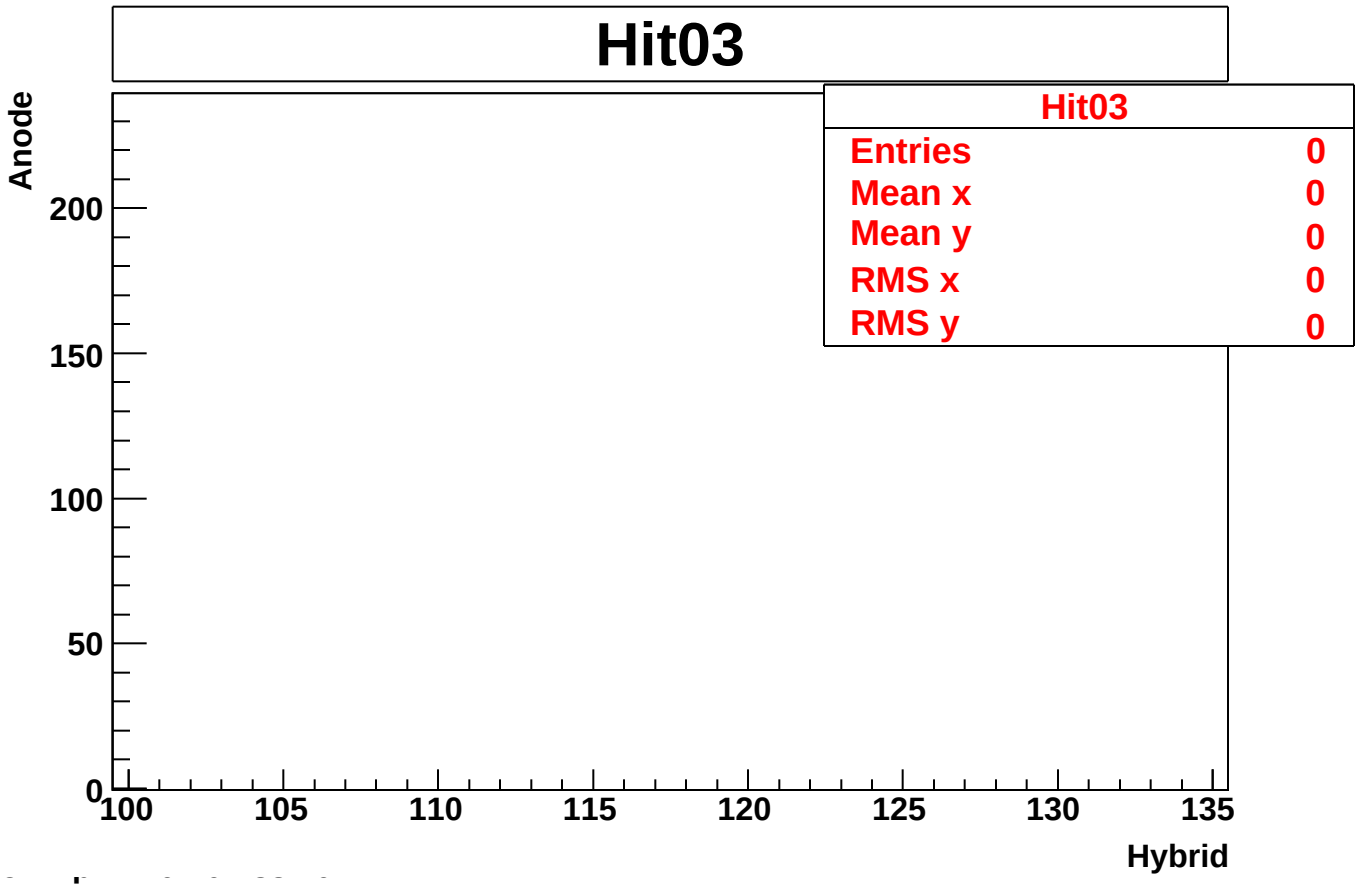
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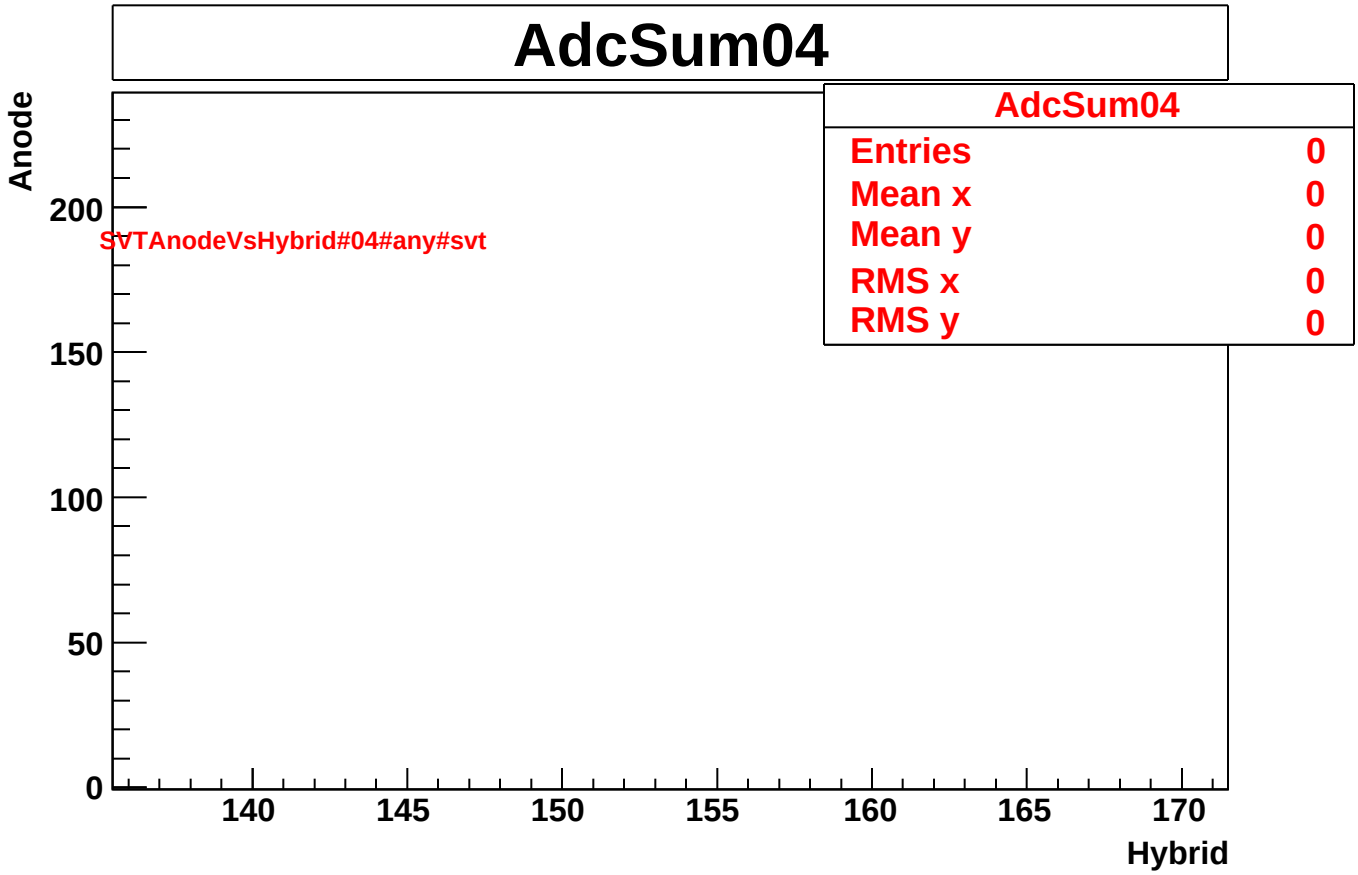
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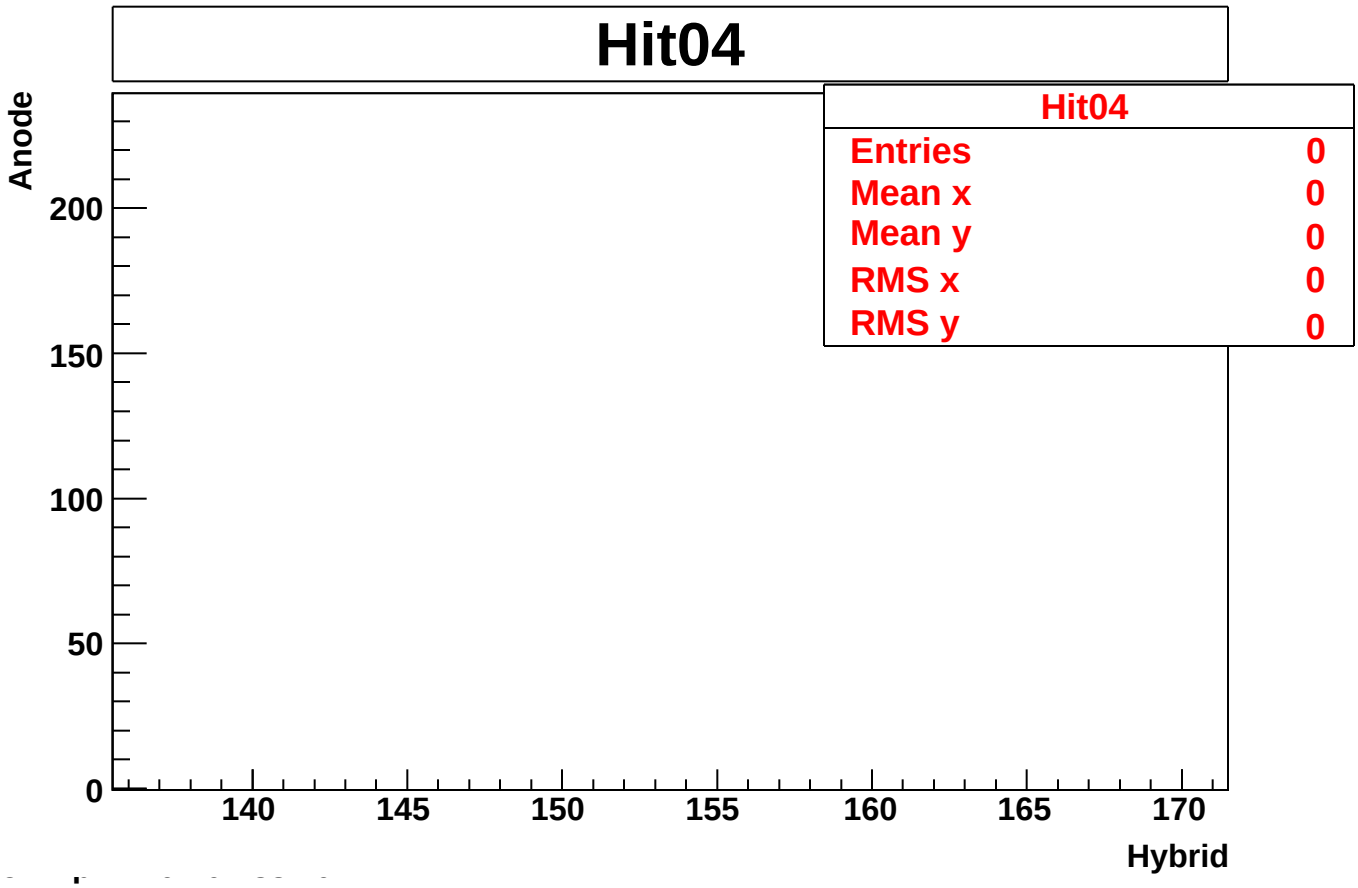
170
Hybrid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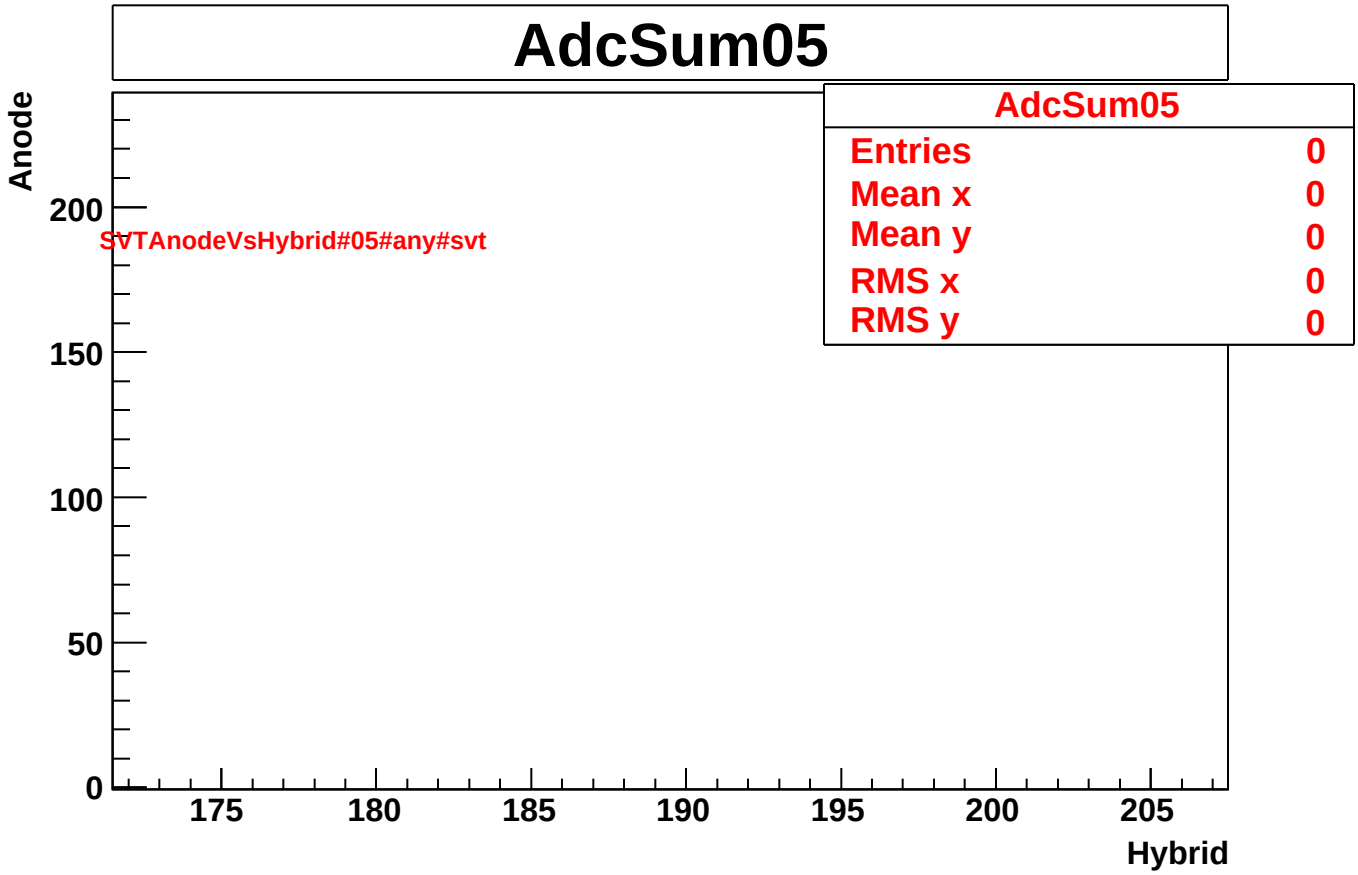
Hybrid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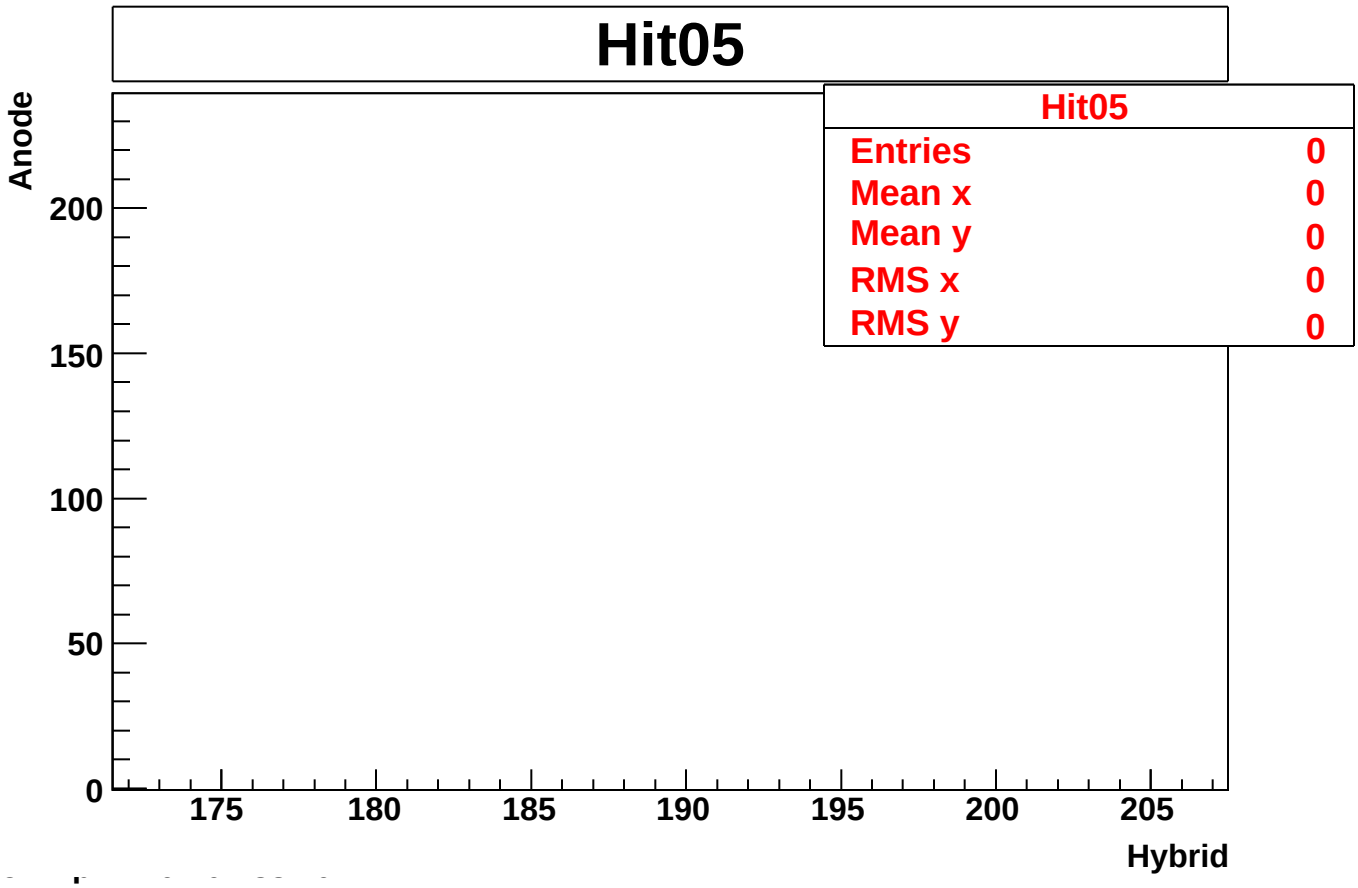
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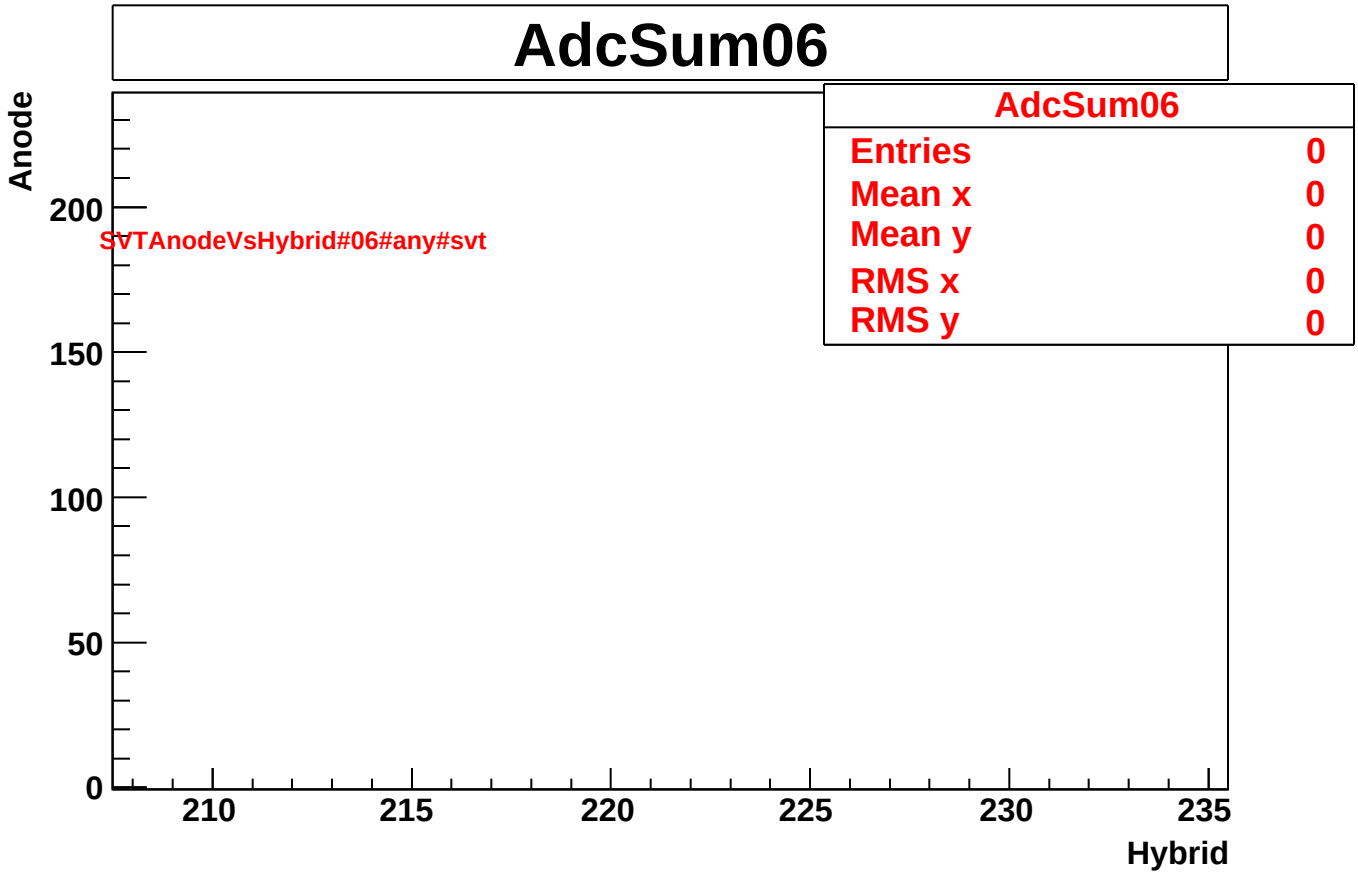
Hybrid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235
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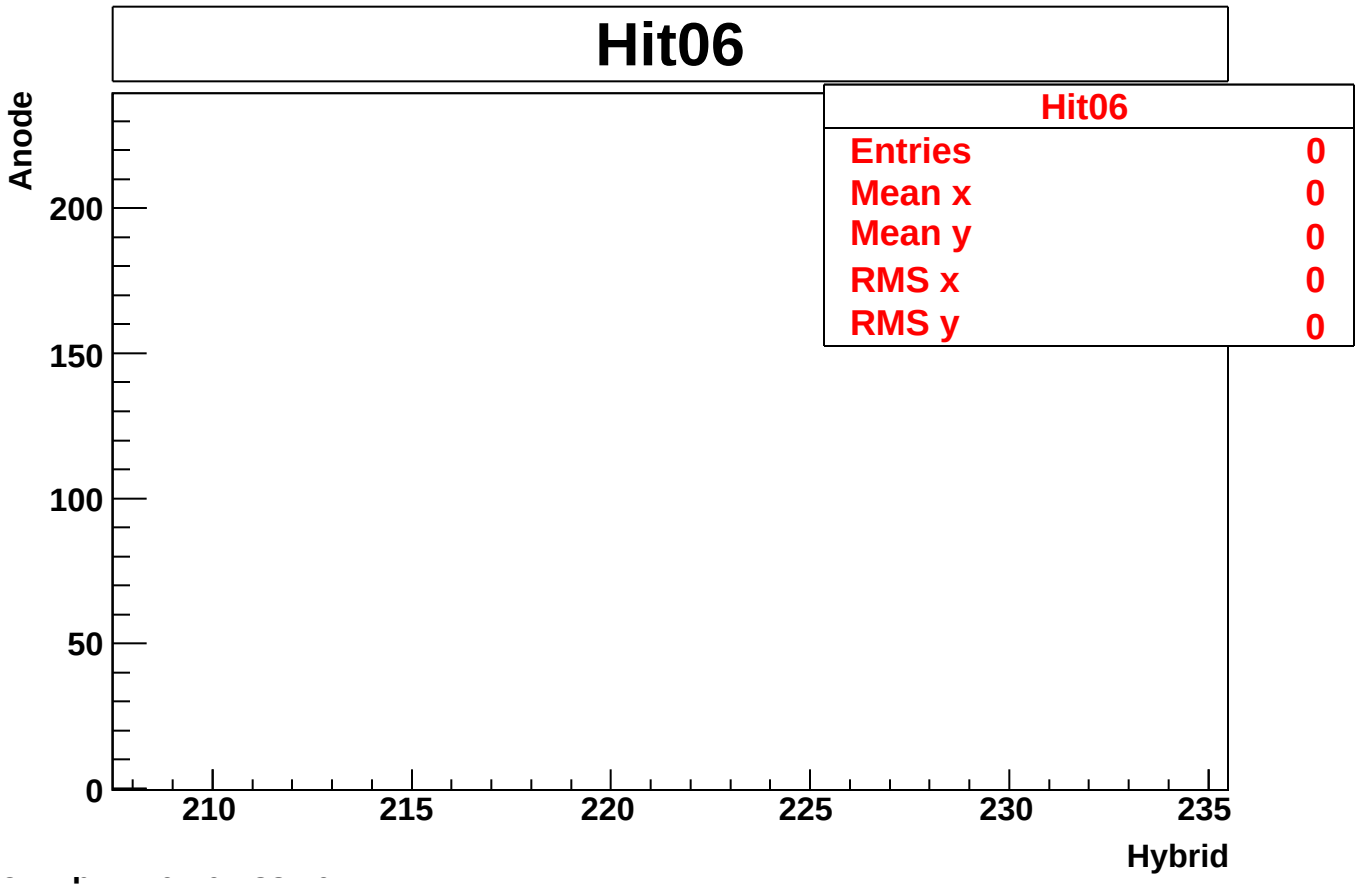
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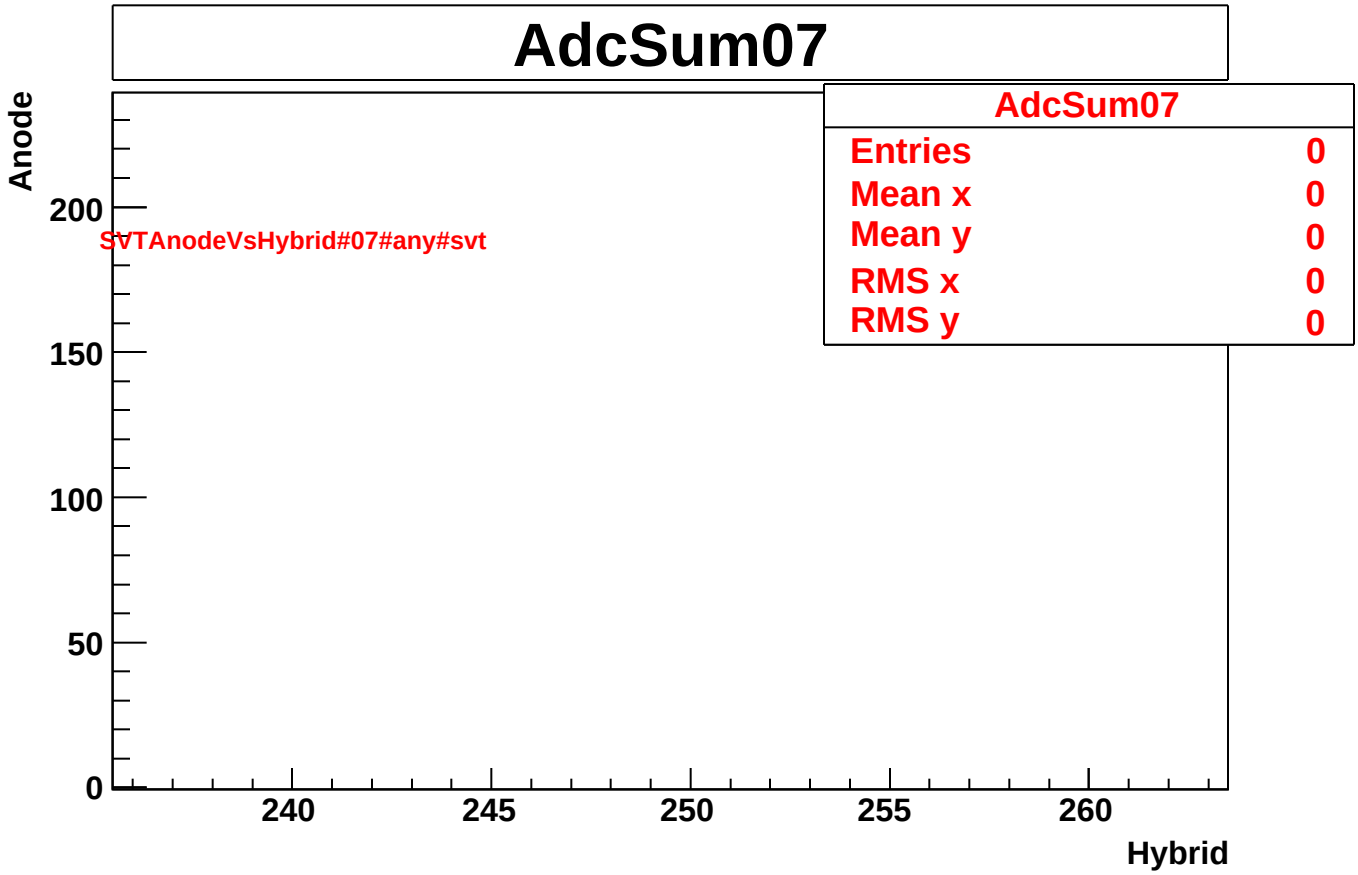
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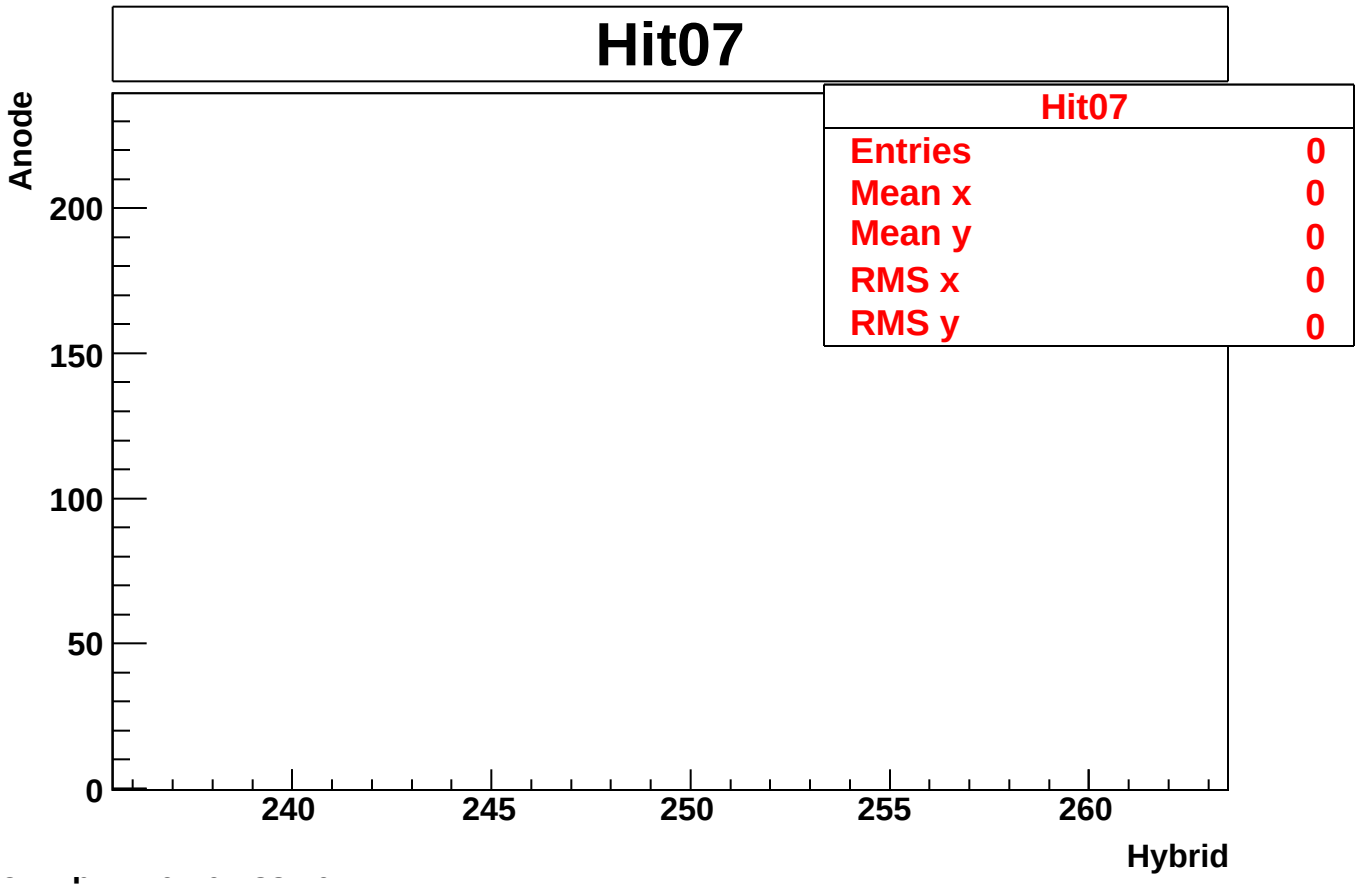
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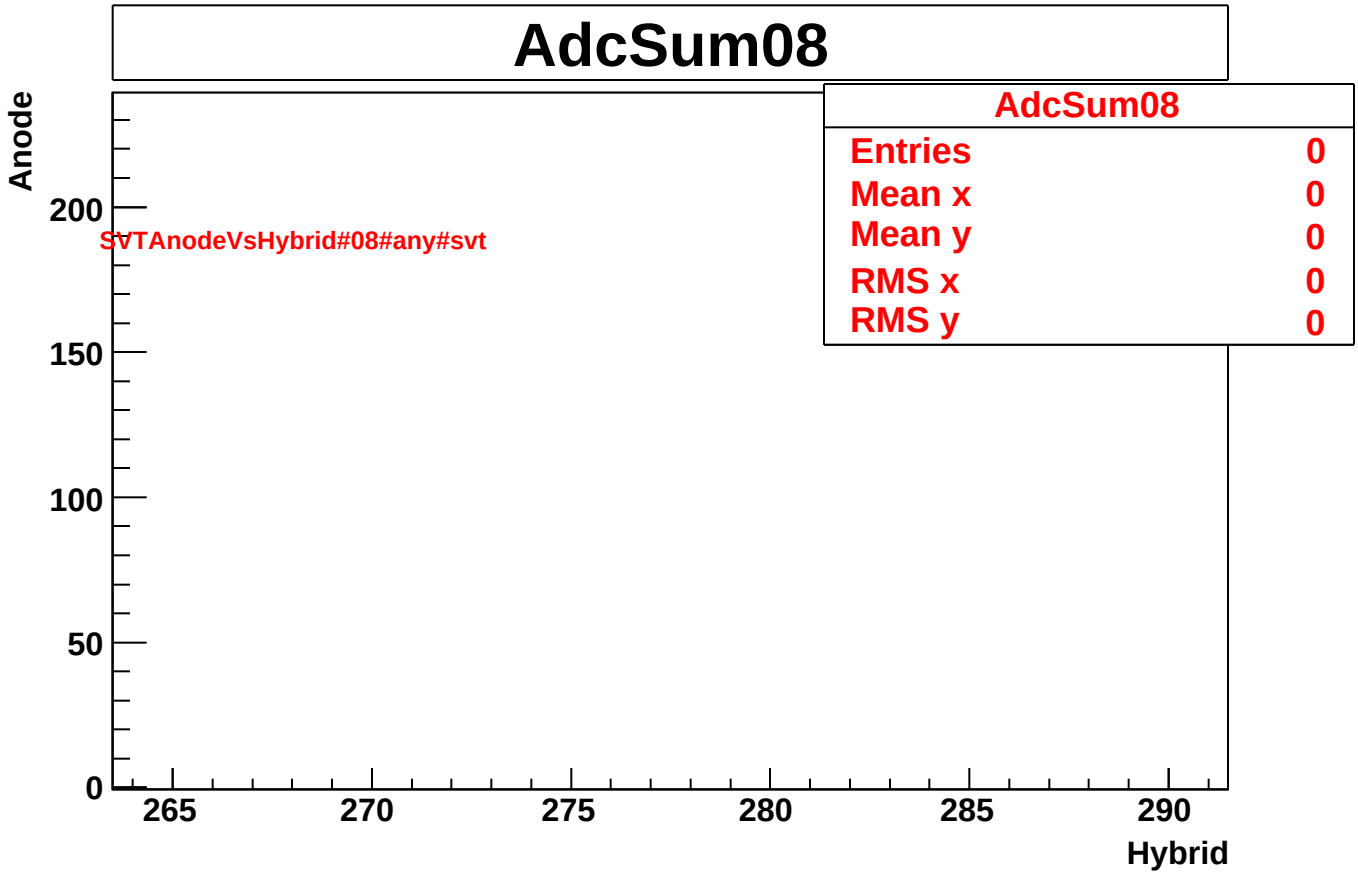
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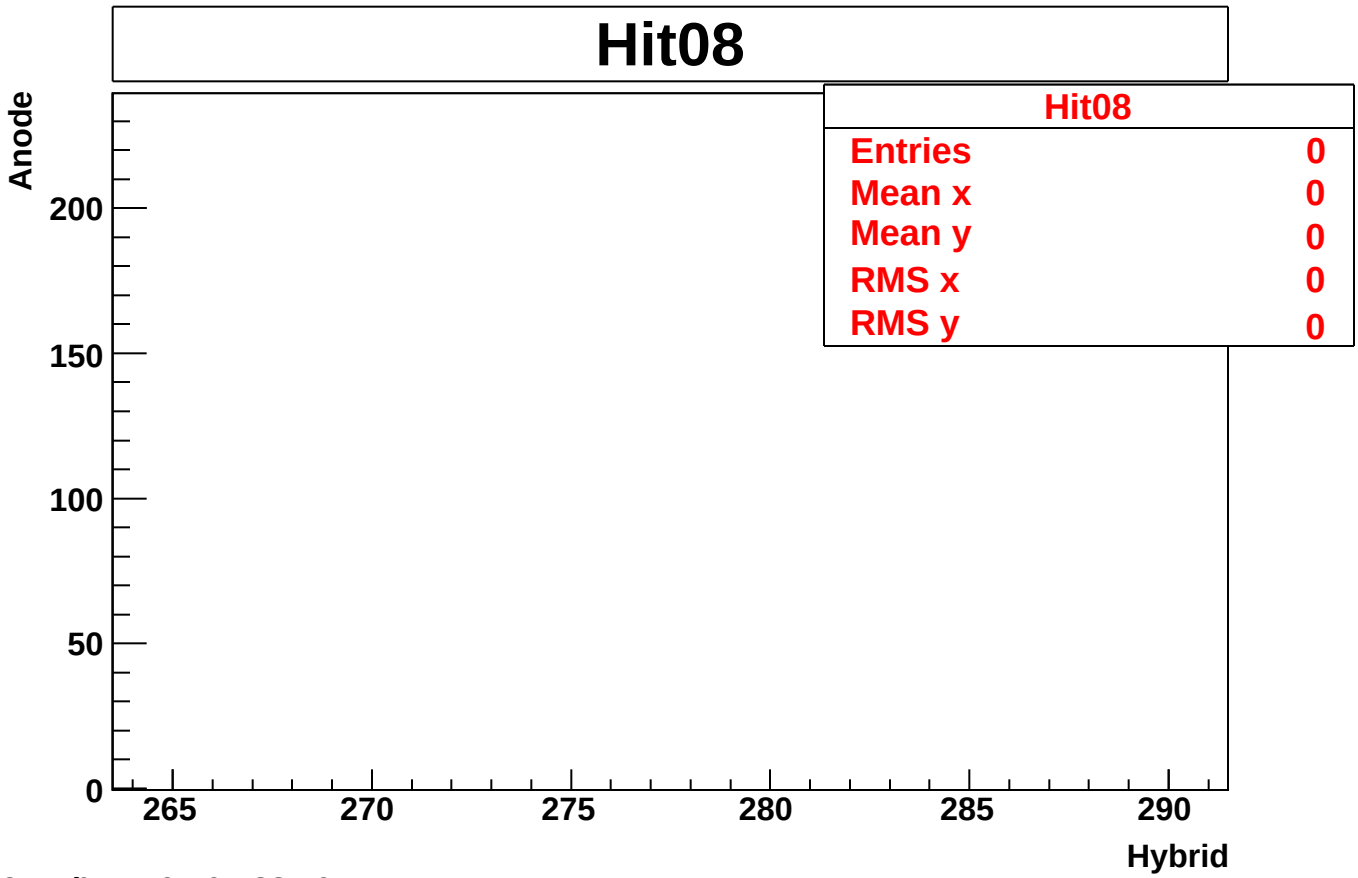
Hybrid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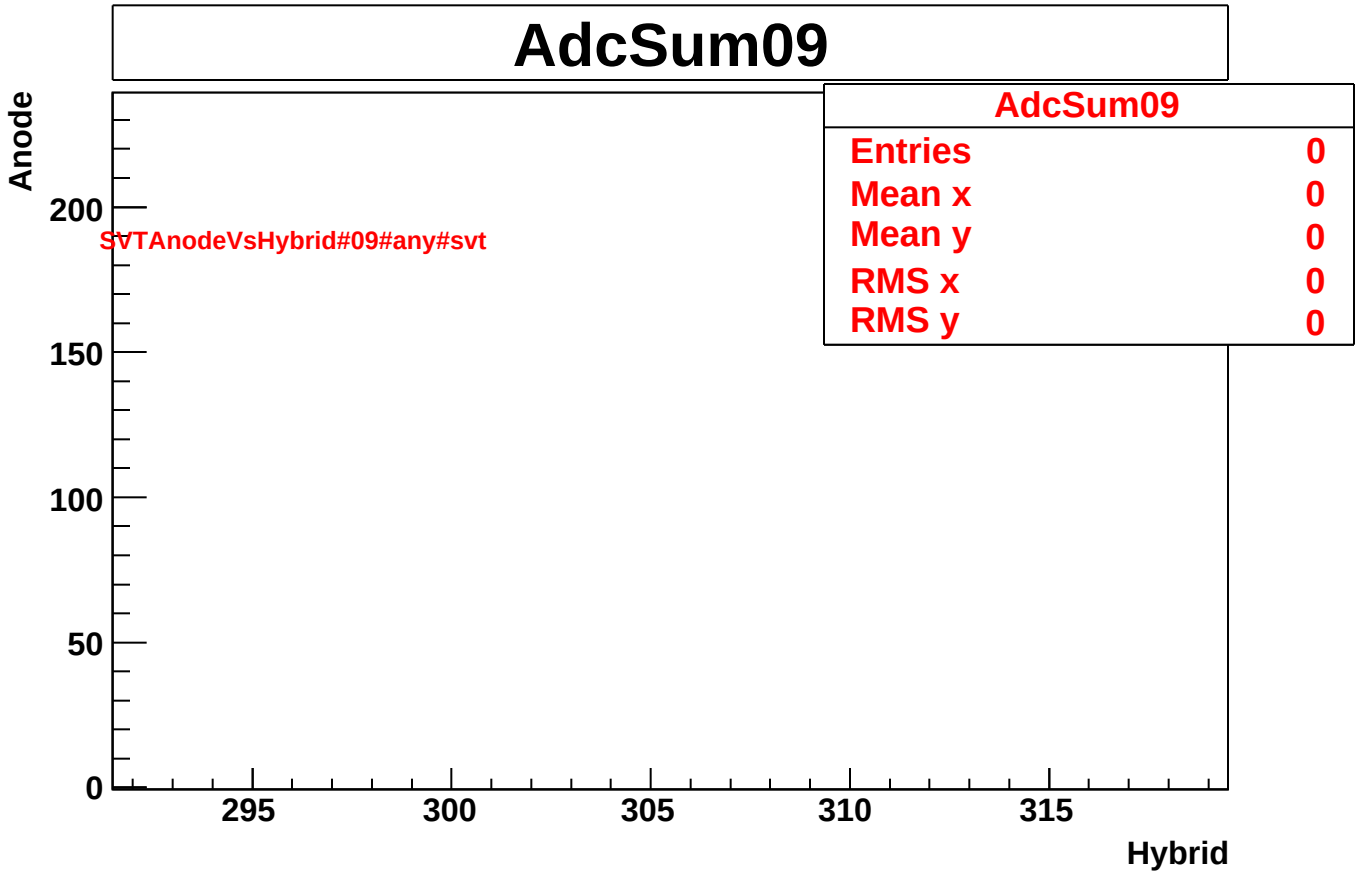
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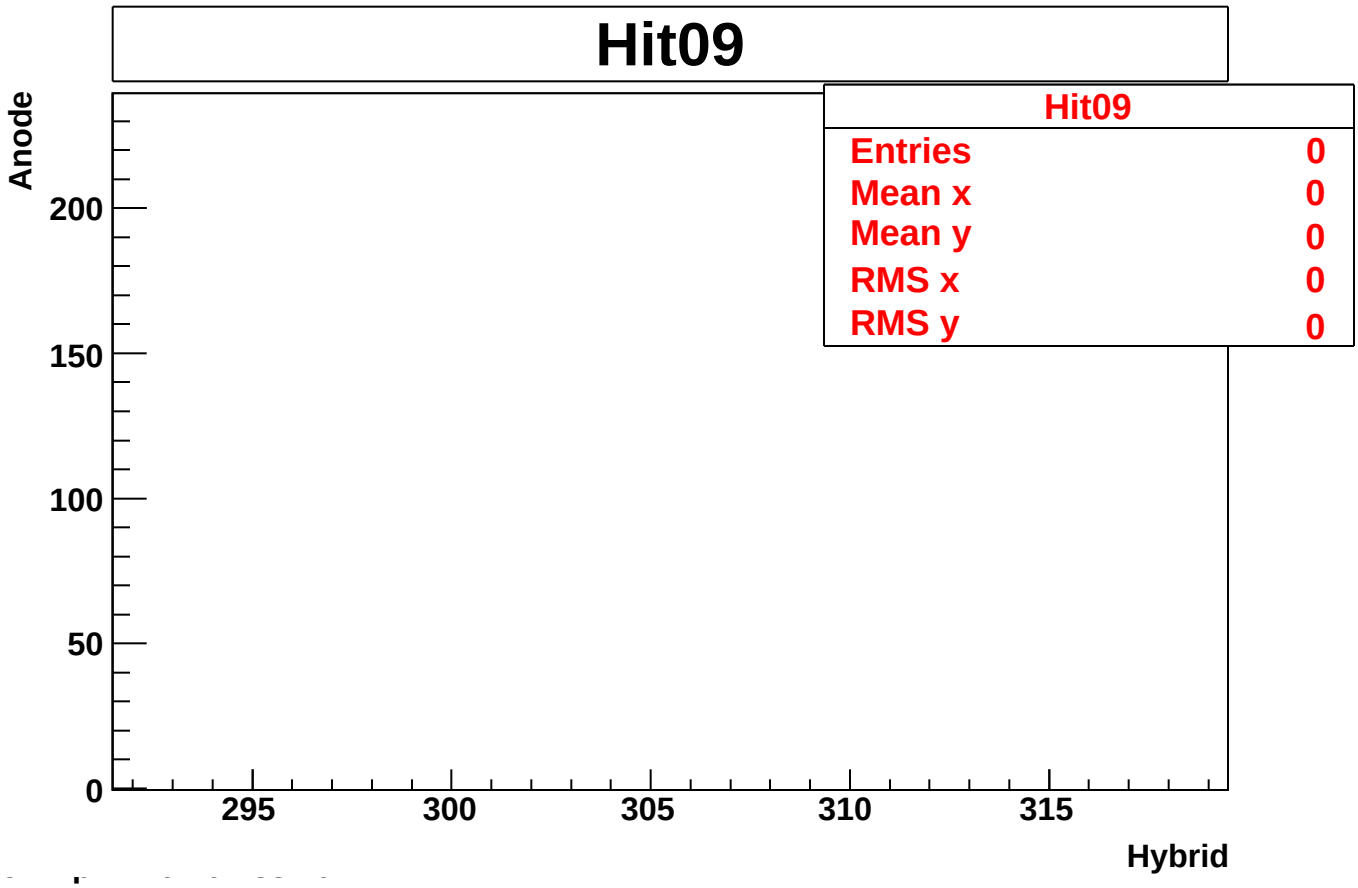
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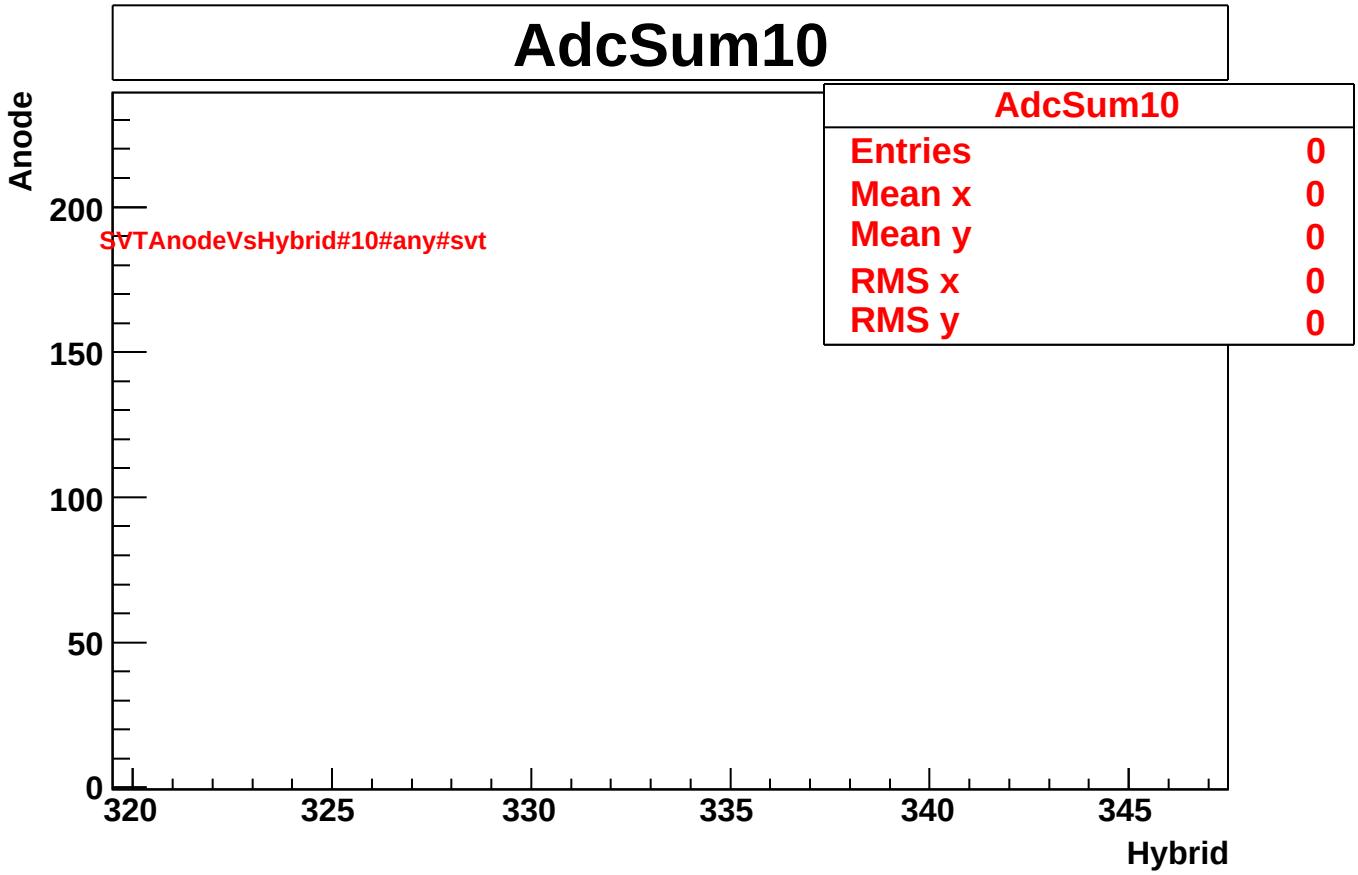
Hybrid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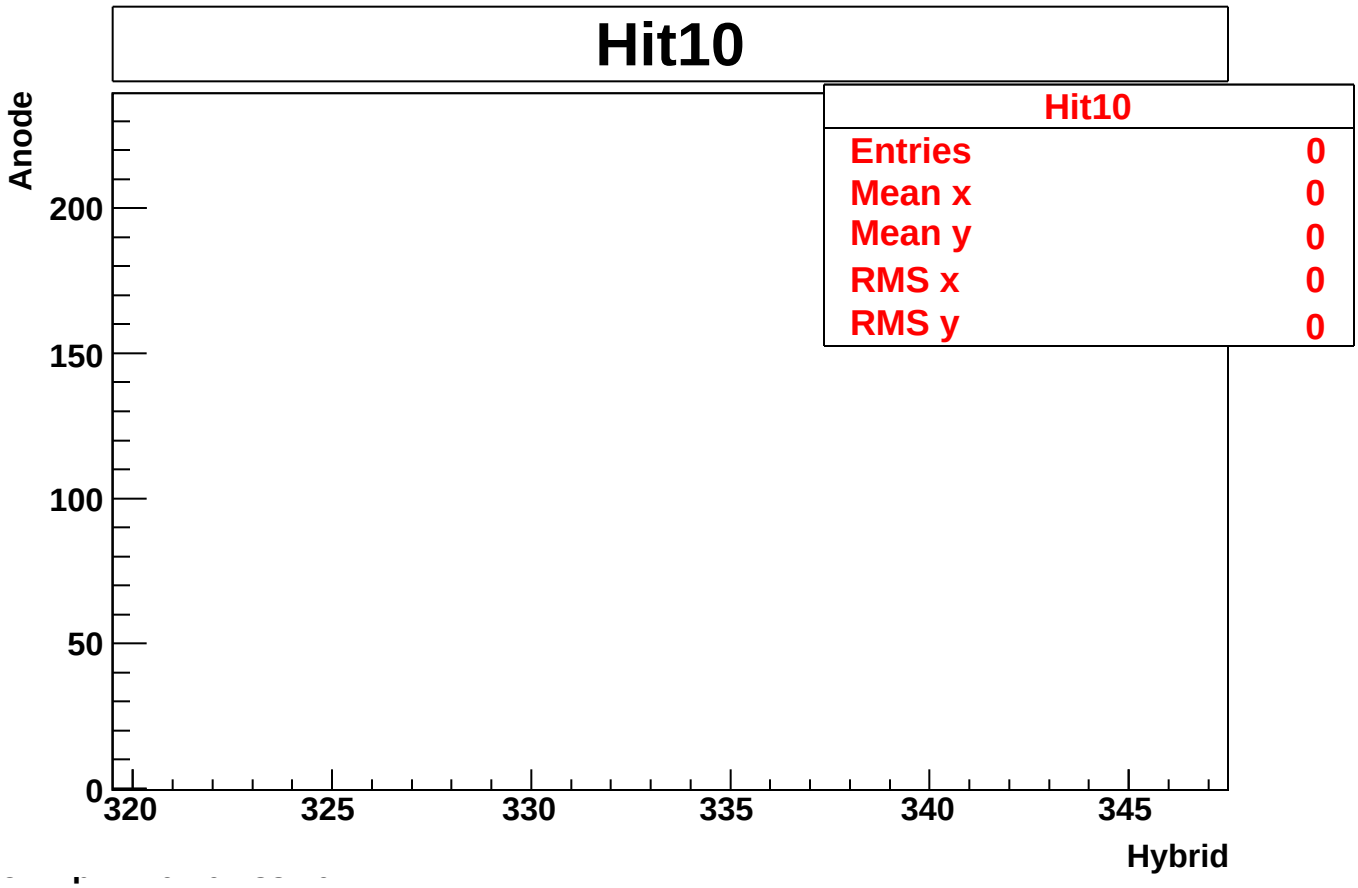
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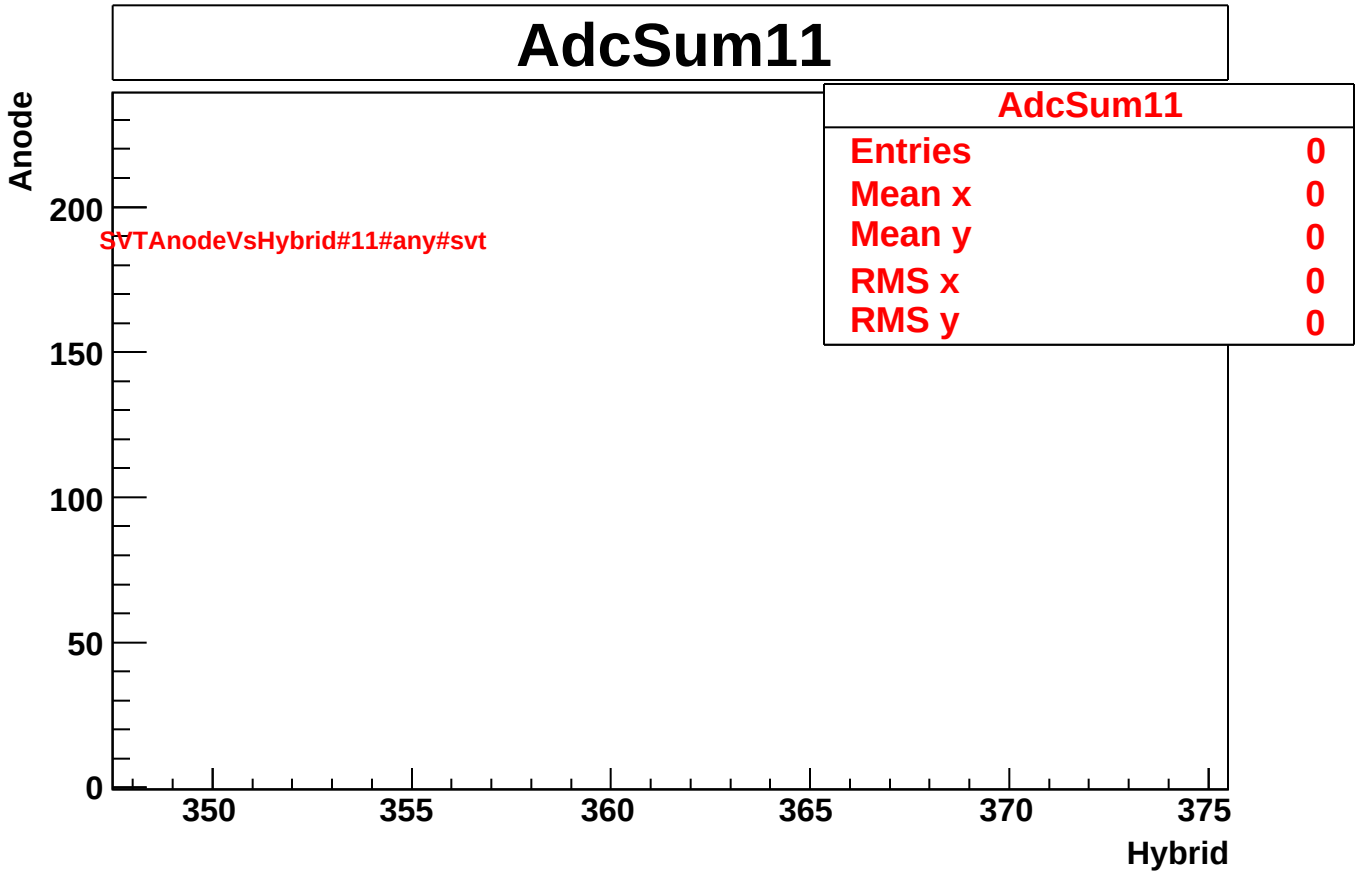
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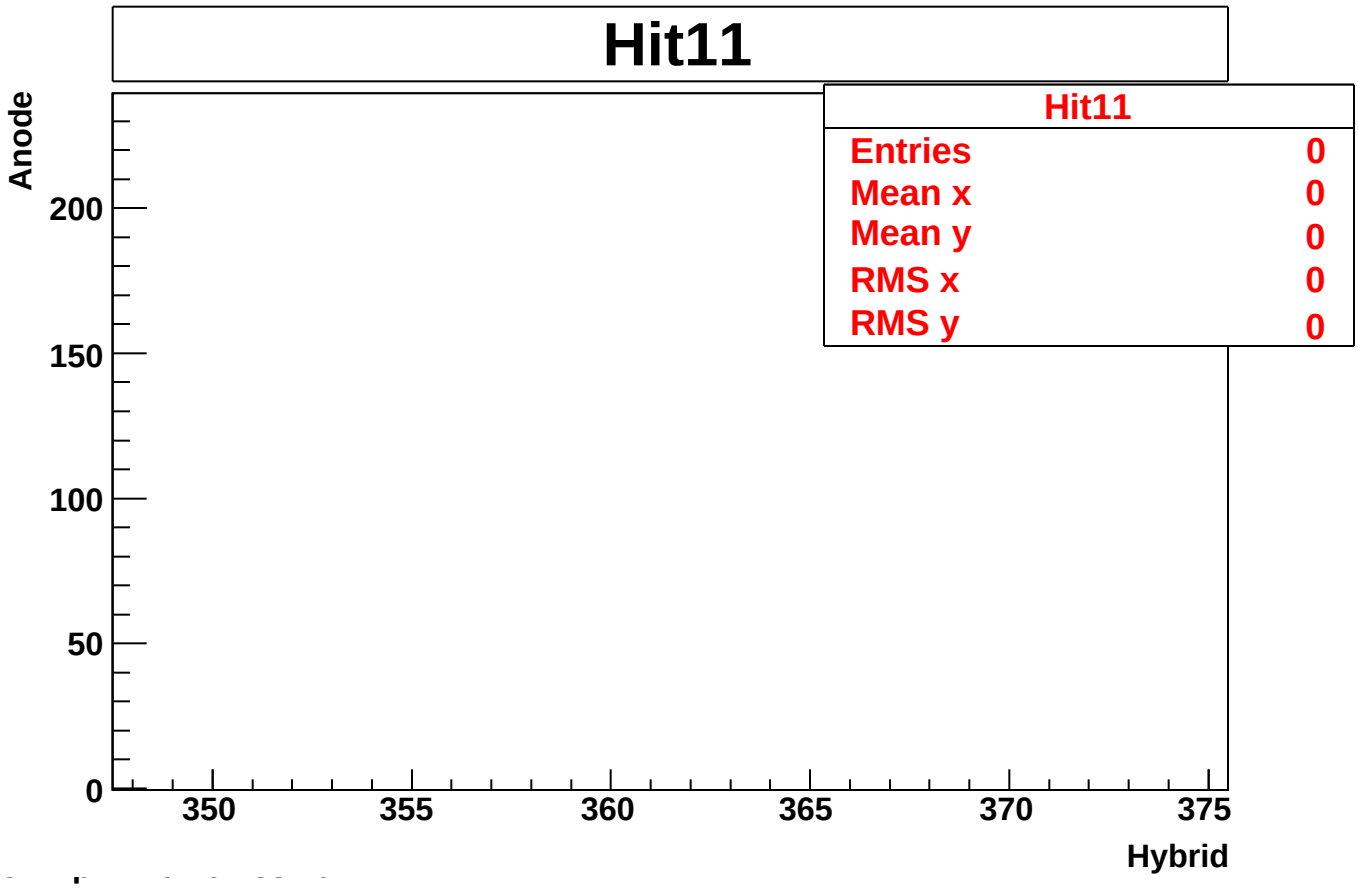
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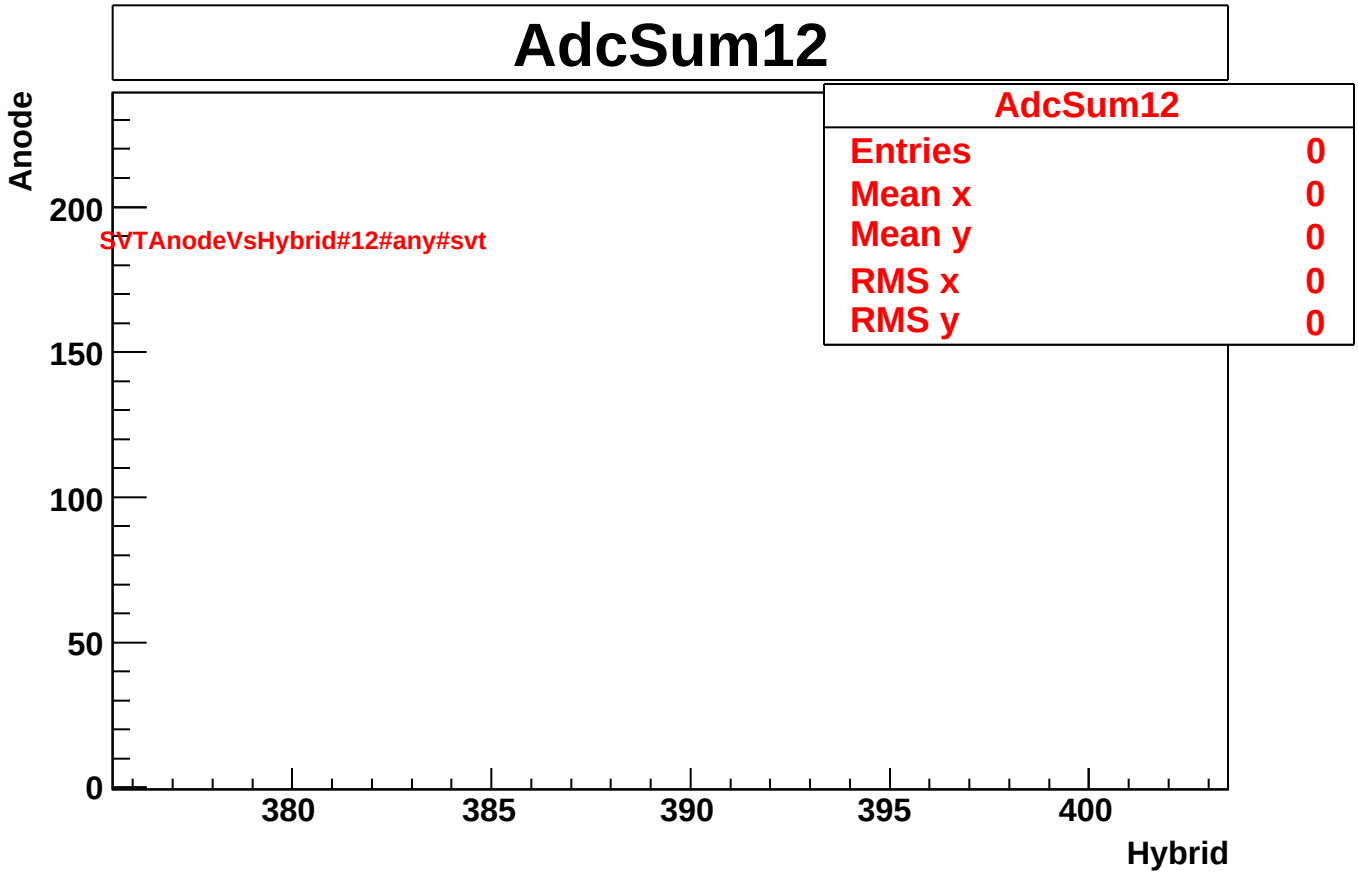
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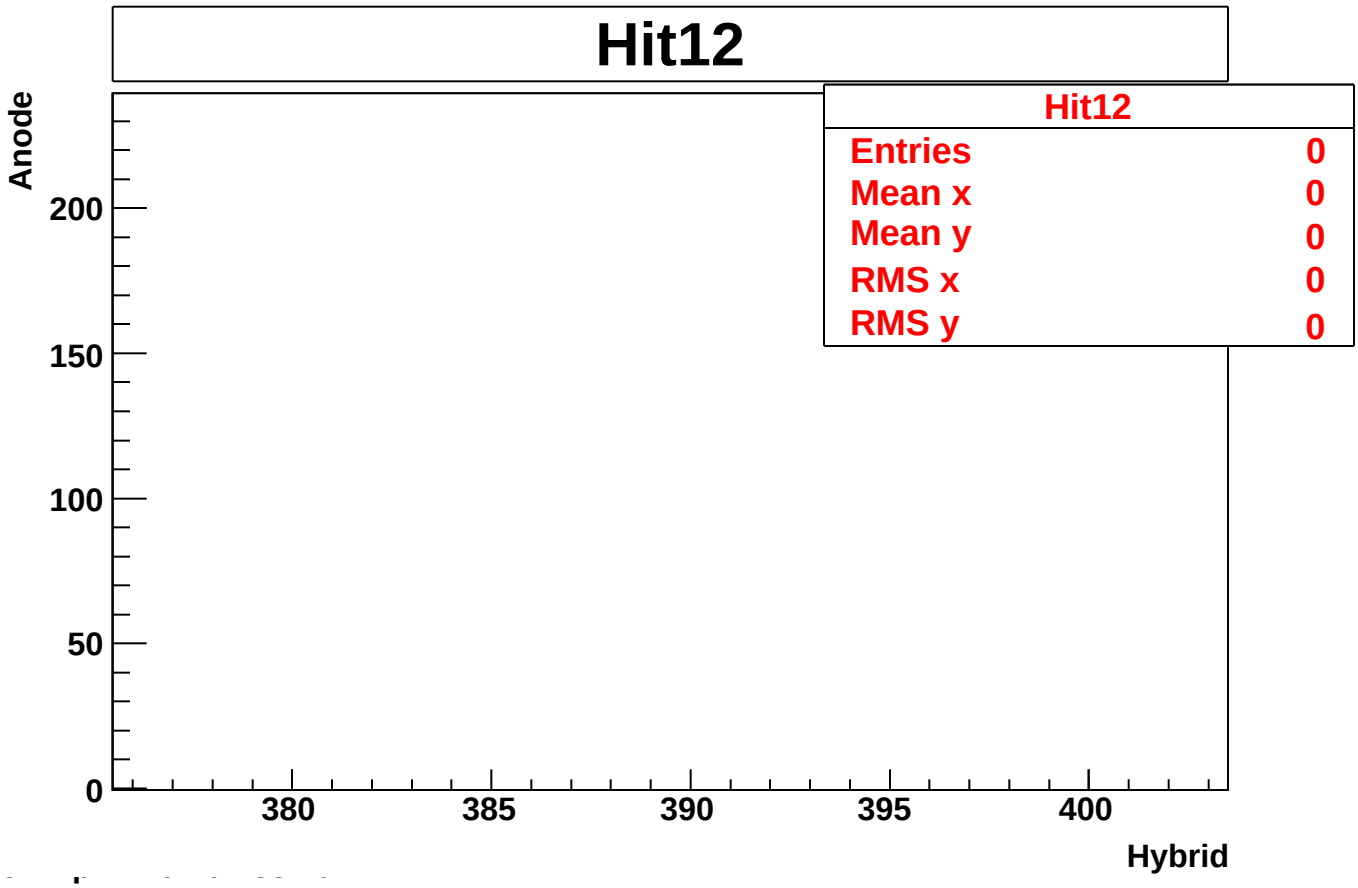
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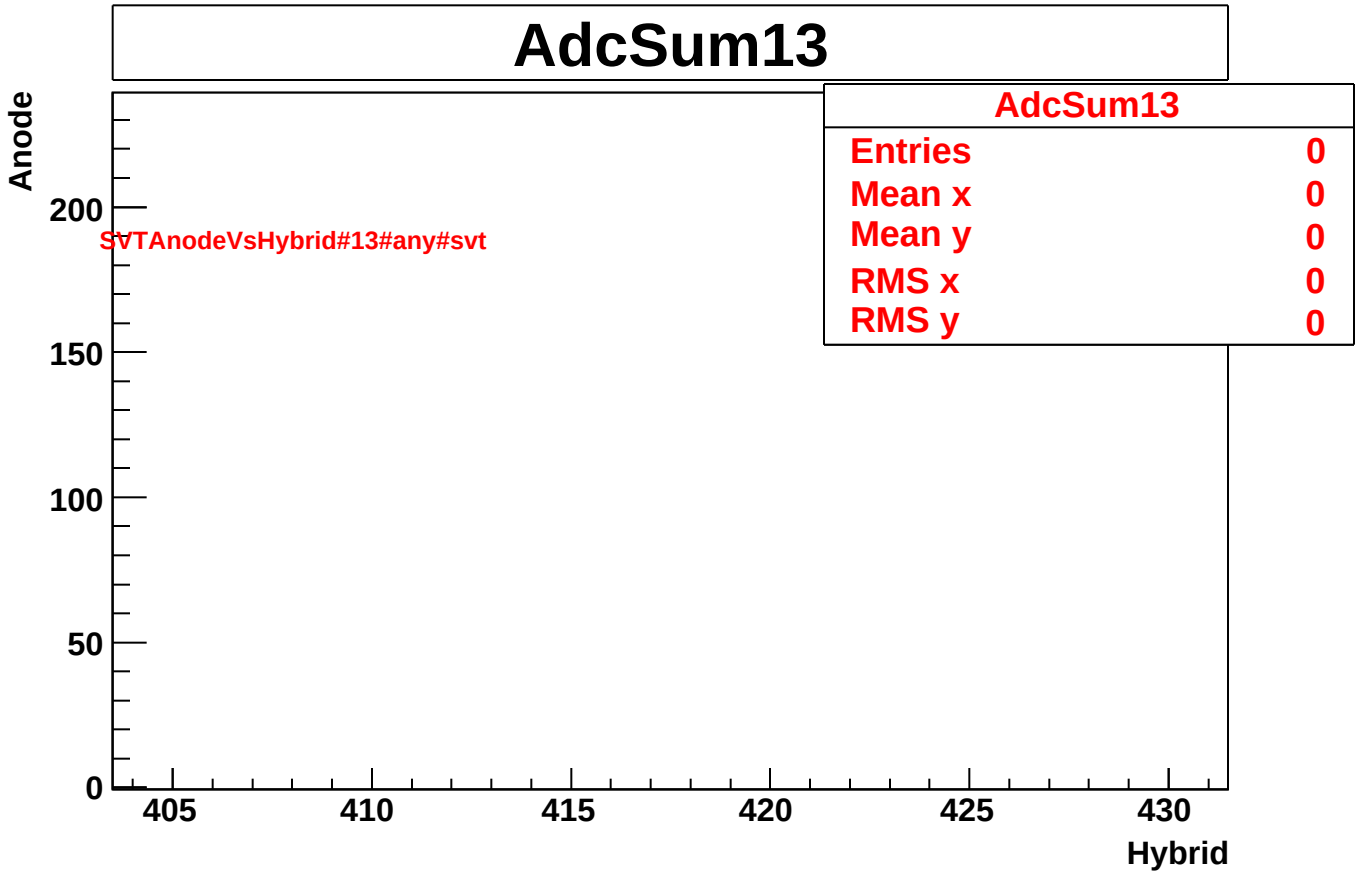
Hybrid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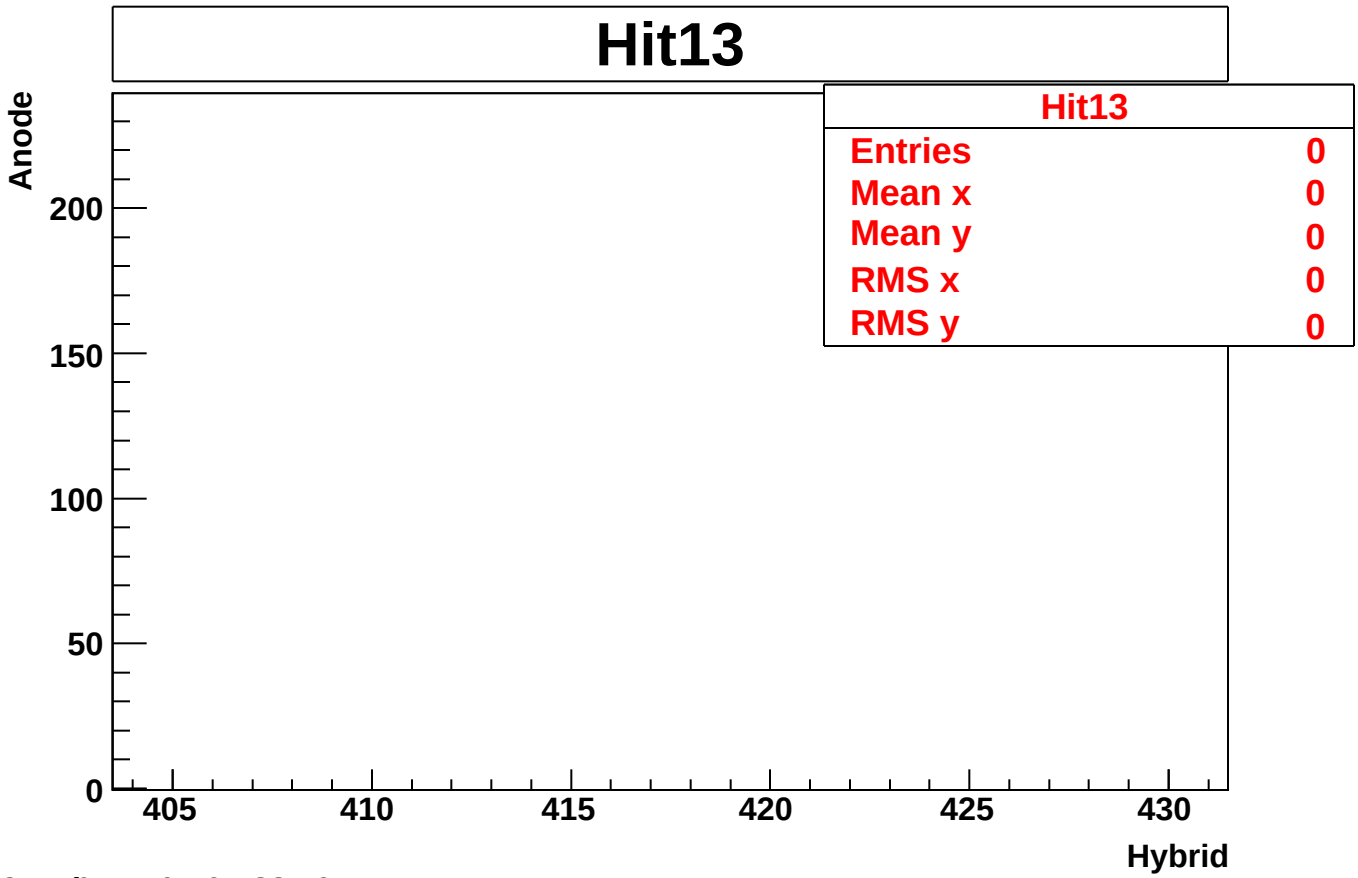
Hybrid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430
Hybrid

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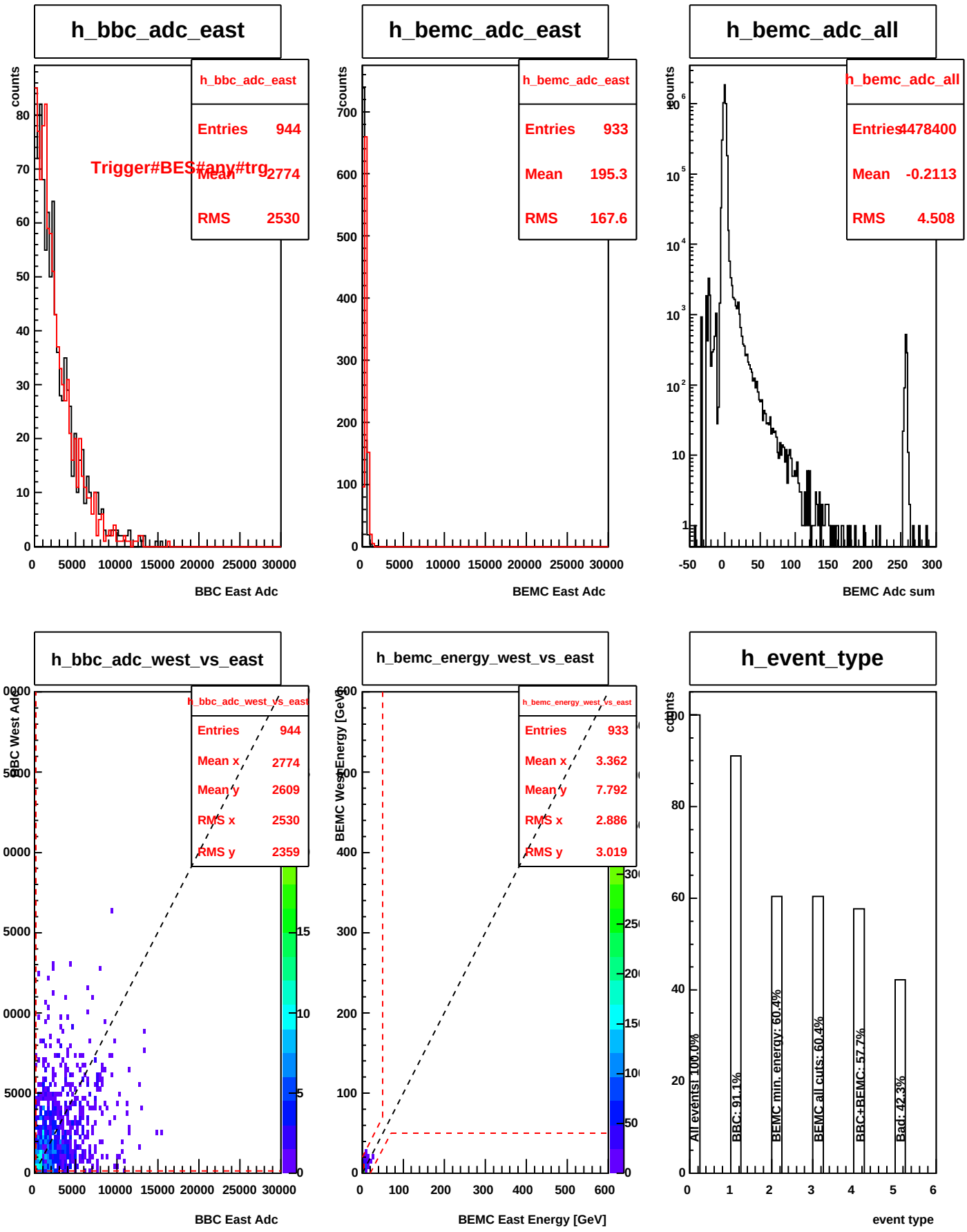
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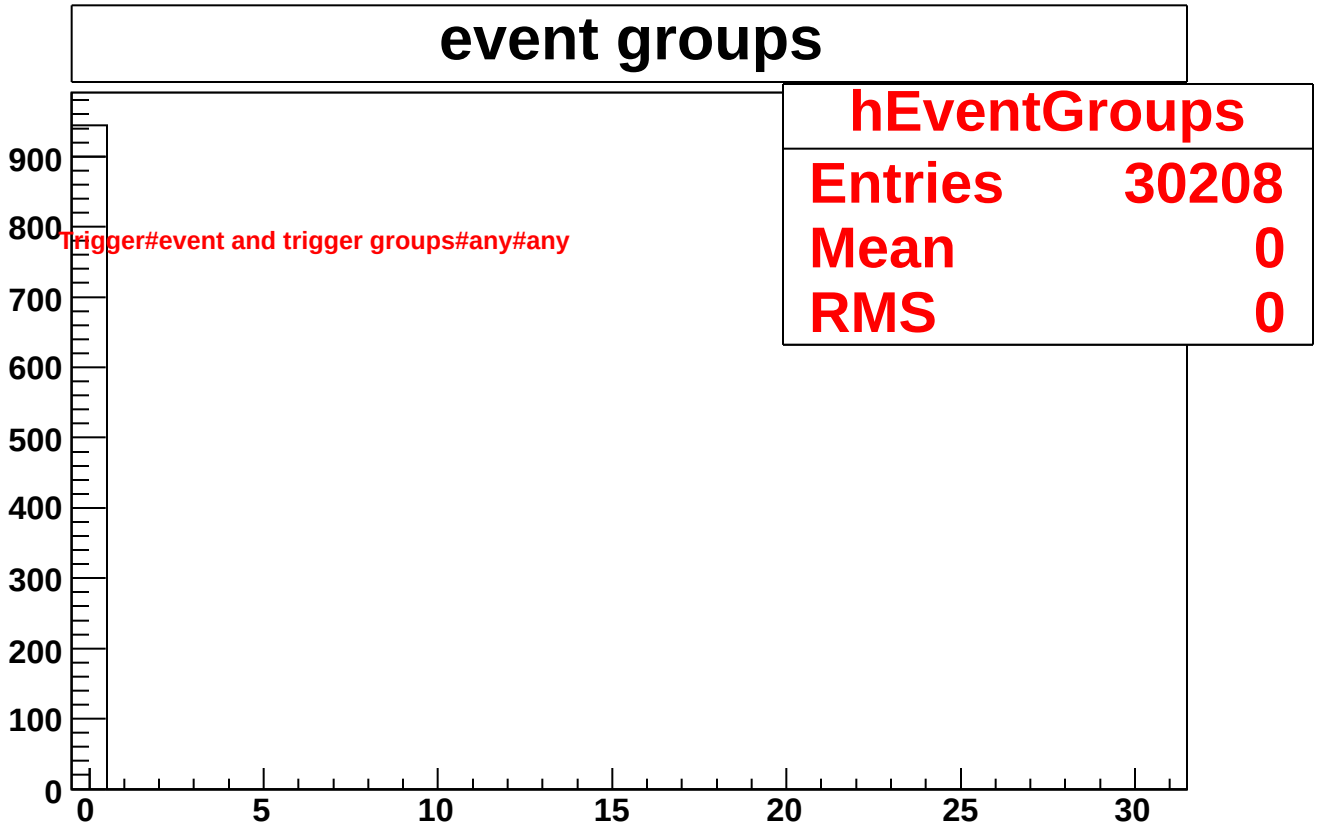
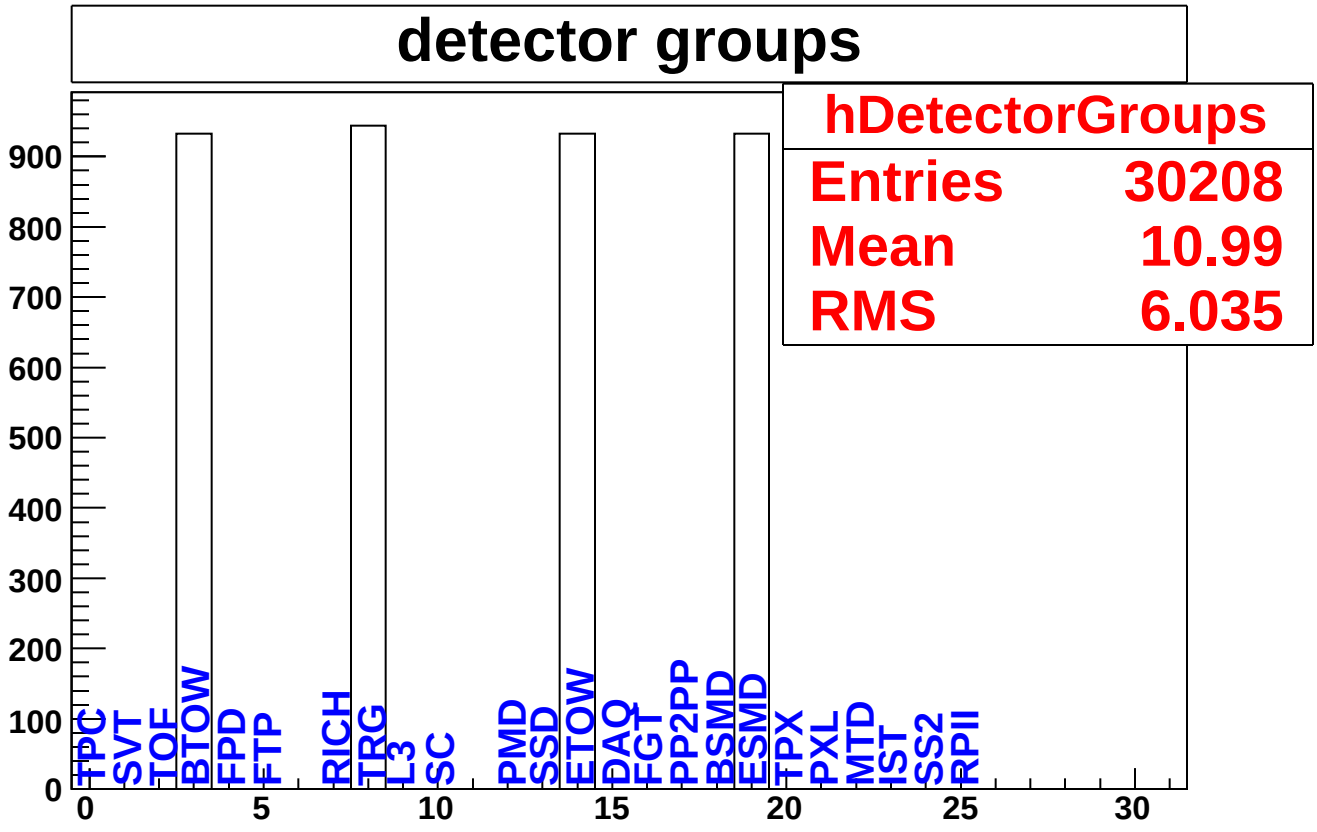
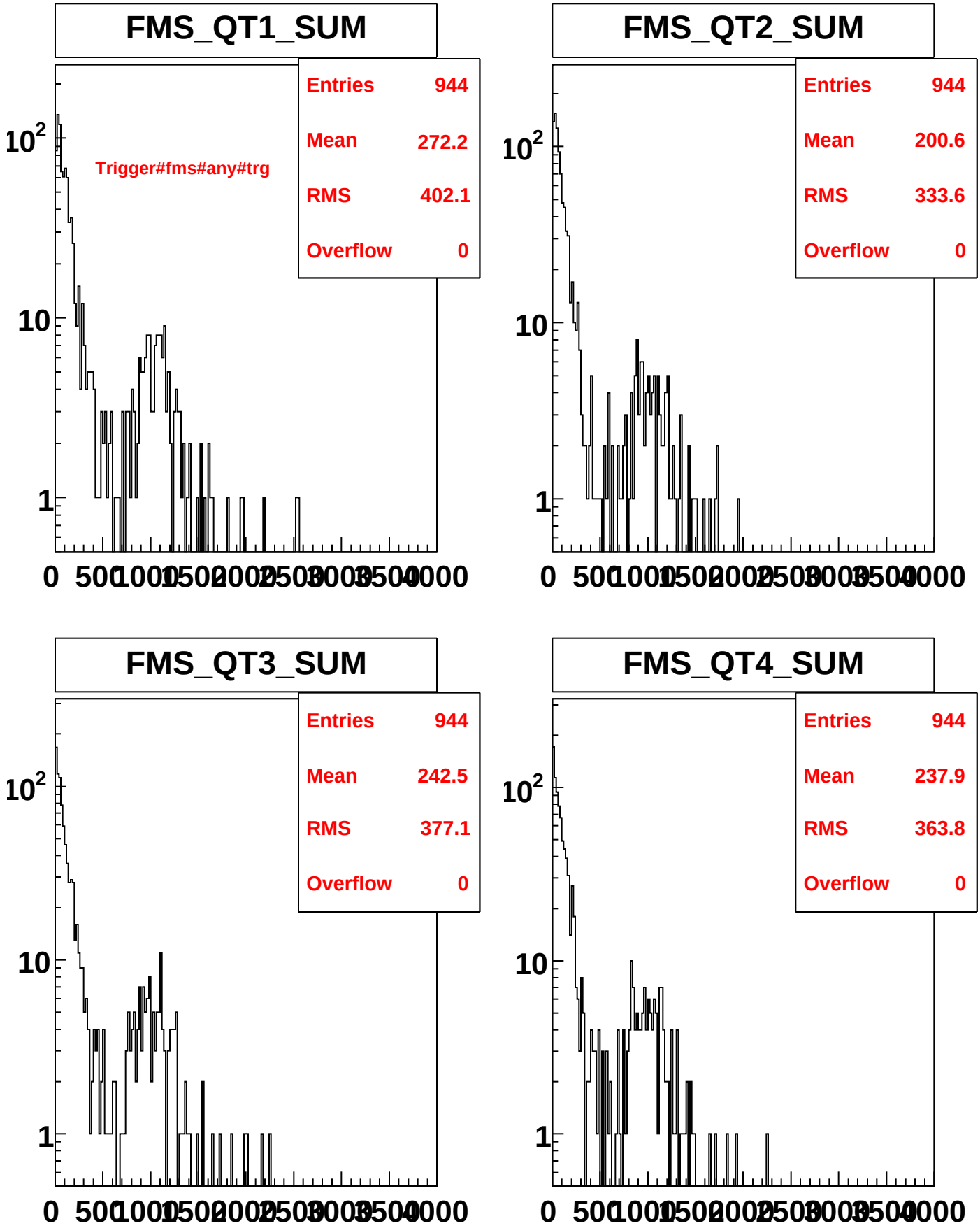
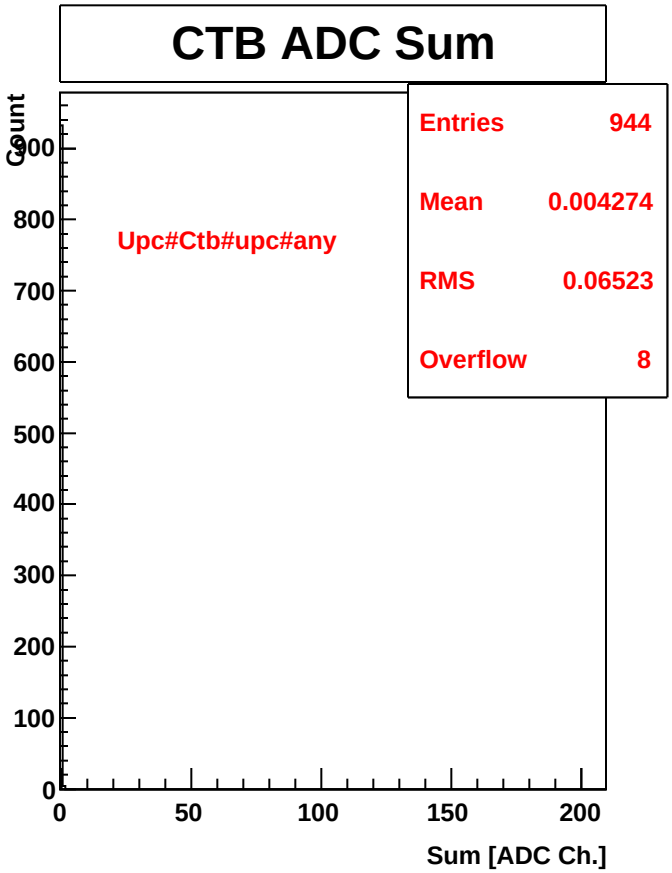
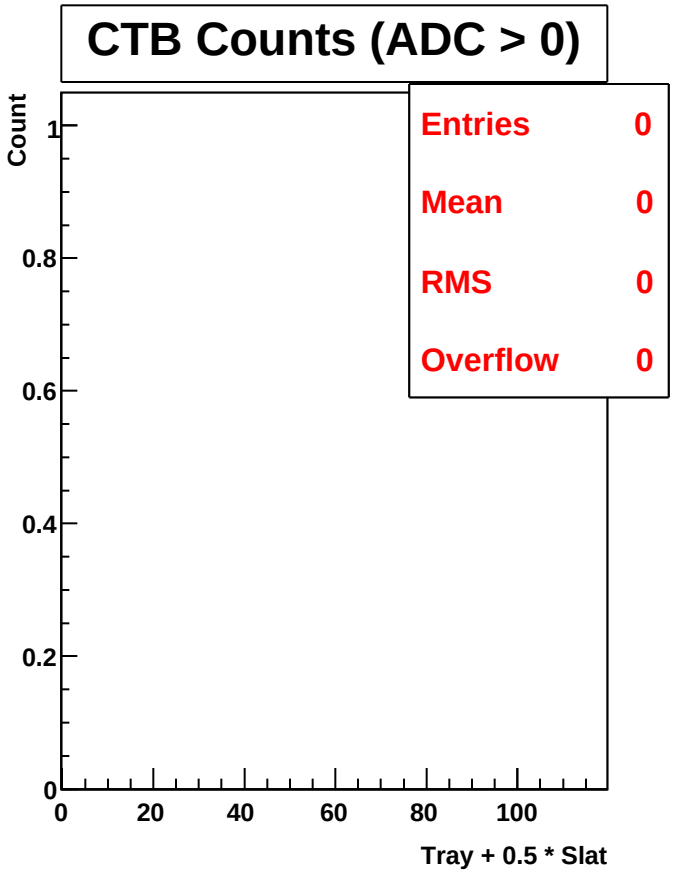
counts
BBC East Adc
h_bemc_adc_east
h_bemc_adc_east
Entries 933
Mean 195.3
RMS 167.6
counts
BEMC East Adc
h_bemc_adc_all
h_bemc_adc_all
Entries 1478400
Mean -0.2113
RMS 4.508
counts
BEMC Adc sum
h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 944
Mean x 2774
Mean y 2609
RMS x 2530
RMS y 2359
BBC West Adc
BBC East Adc
h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 933
Mean x 3.362
Mean y 7.792
RMS x 2.886
RMS y 3.019
BEMC West Energy [GeV]
BEMC East Energy [GeV]
h_event_type
counts
All events: 100.0%
BBC: 91.1%
BEMC min. energy: 60.4%
BEMC all cuts: 60.4%
BBC+BEMC: 57.7%
Bad: 42.3%
event type

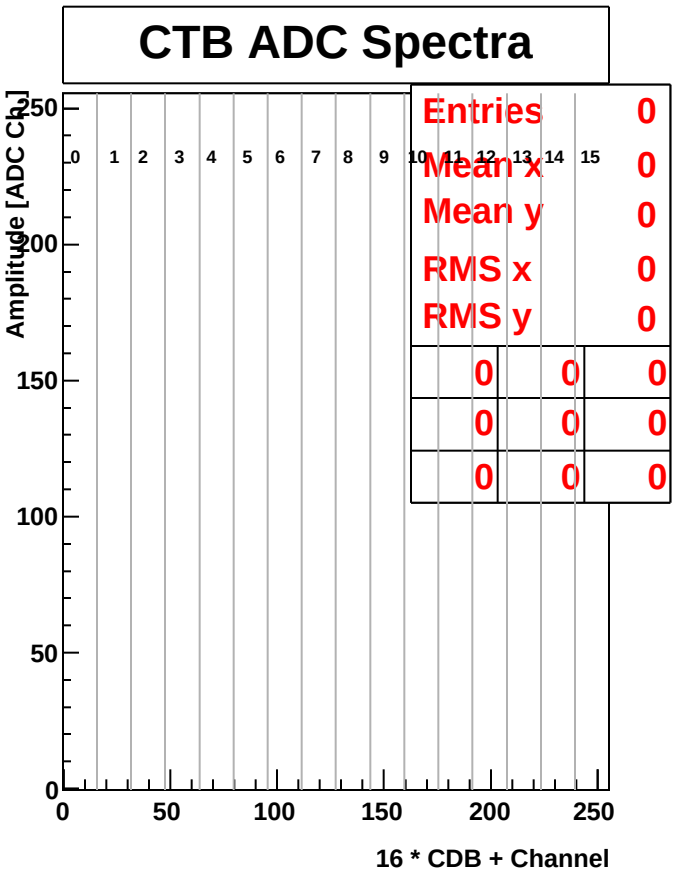

event groups
hEventGroups
Entries 30208
Mean 0
RMS 0
Trigger#event and trigger groups#any#any
0
100
200
300
400
500
600
700
800
900
0
5
10
15
20
25
30

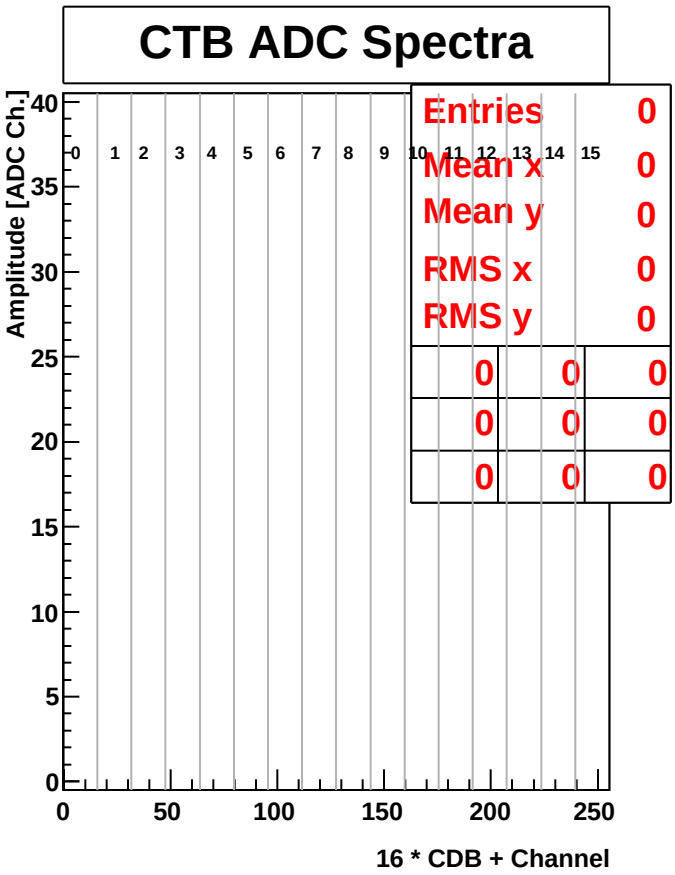

detector groups
hDetectorGroups
Entries 30208
Mean 10.99
RMS 6.035
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
100
200
300
400
500
600
700
800
900
0
5
10
15
20
25
30

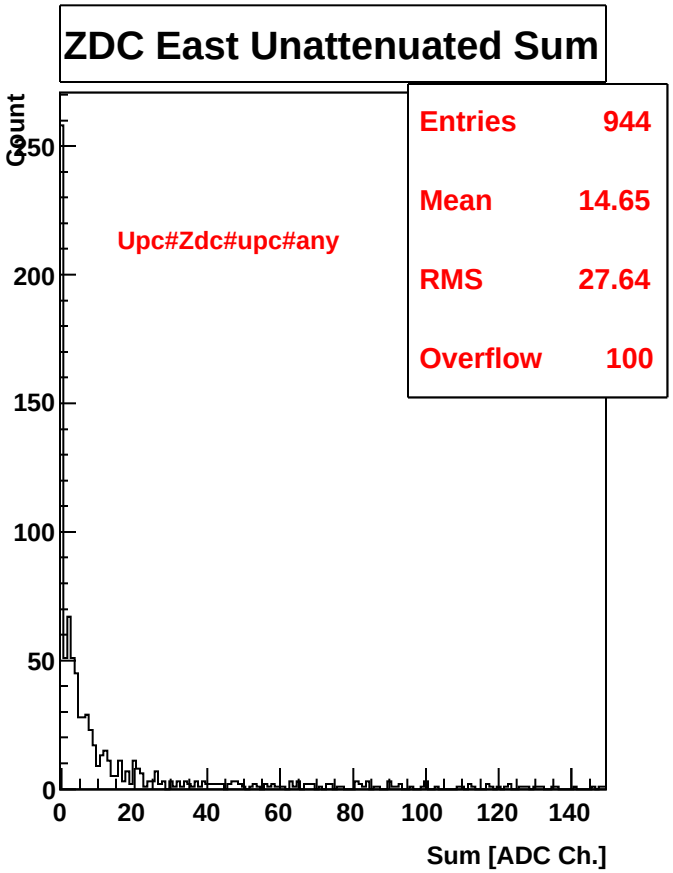

FMS_QT1_SUM
Entries 944
Mean 272.2
RMS 402.1
Overflow 0
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 944
Mean 200.6
RMS 333.6
Overflow 0
FMS_QT3_SUM
Entries 944
Mean 242.5
RMS 377.1
Overflow 0
FMS_QT4_SUM
Entries 944
Mean 237.9
RMS 363.8
Overflow 0

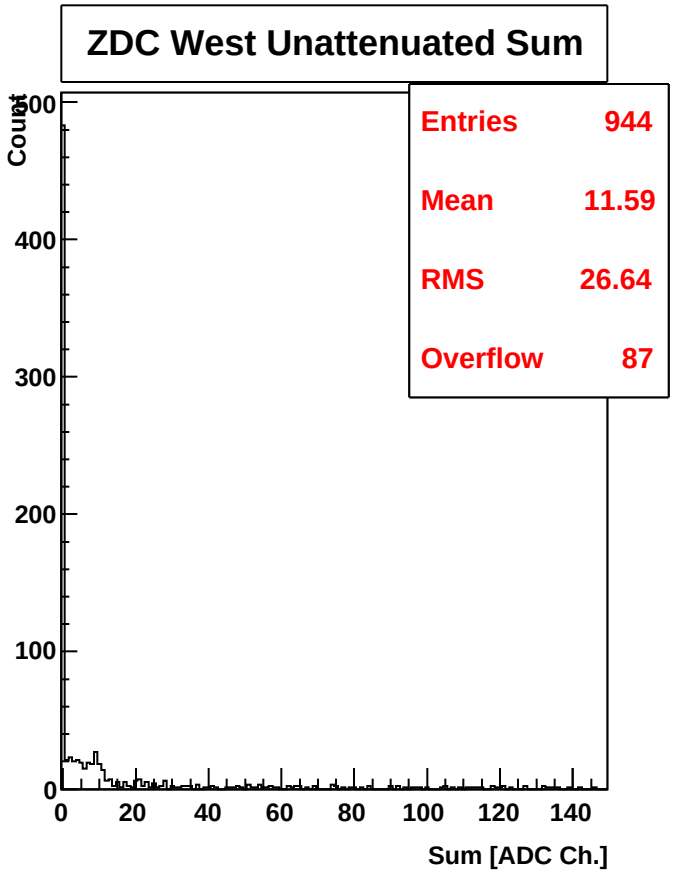

CTB ADC Sum
Entries 944
Mean 0.004274
RMS 0.06523
Overflow 8
Upc#Ctb#upc#any
Count
Sum [ADC Ch.]

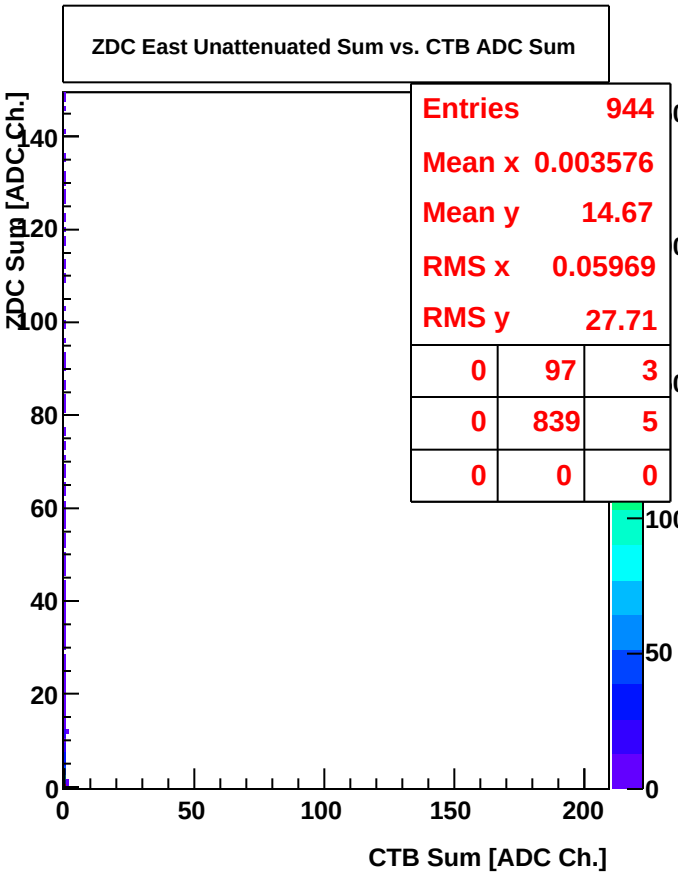

CTB Counts (ADC > 0)
Entries 0
Mean 0
RMS 0
Overflow 0
Count
Tray + 0.5 * Slat

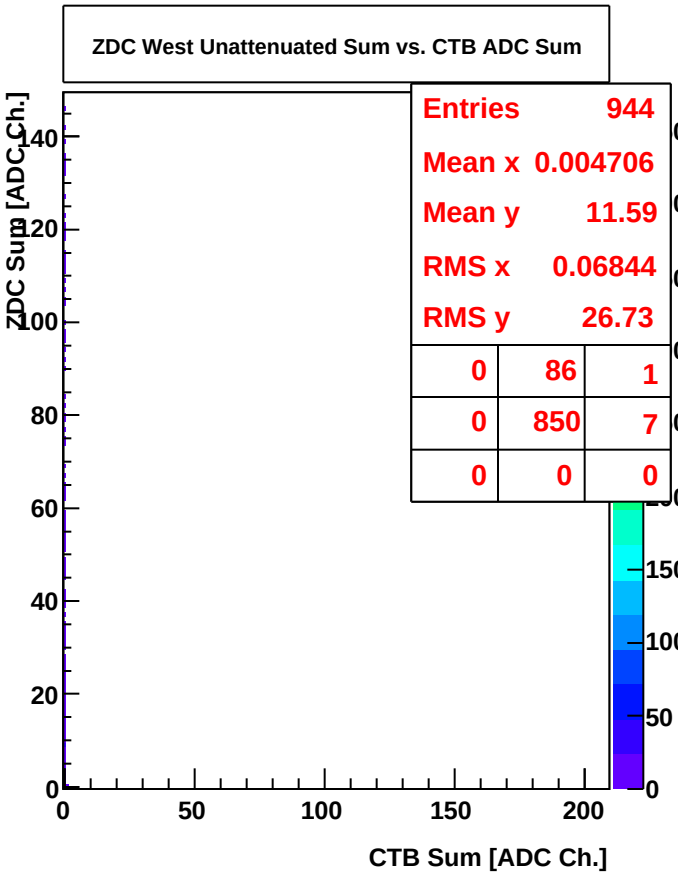

CTB ADC Spectra
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Amplitude [ADC Ch.]
16 * CDB + Channel


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 944
Mean 14.65
RMS 27.64
Overflow 100
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 944
Mean 11.59
RMS 26.64
Overflow 87
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 944
Mean x 0.003576
Mean y 14.67
RMS x 0.05969
RMS y 27.71
0 97 3
0 839 5
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 944
Mean x 0.004706
Mean y 11.59
RMS x 0.06844
RMS y 26.73
0 86 1
0 850 7
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]