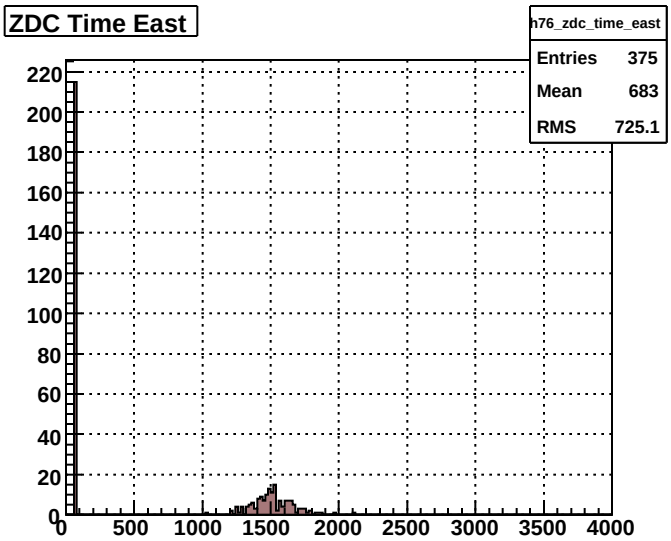
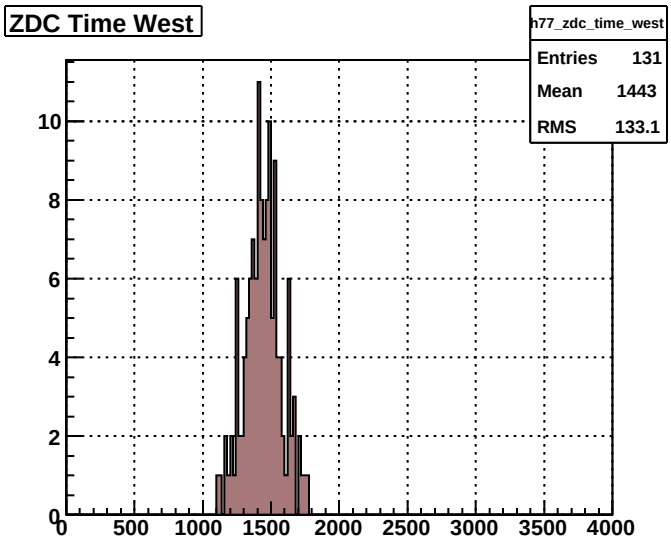
# Run: #12101059

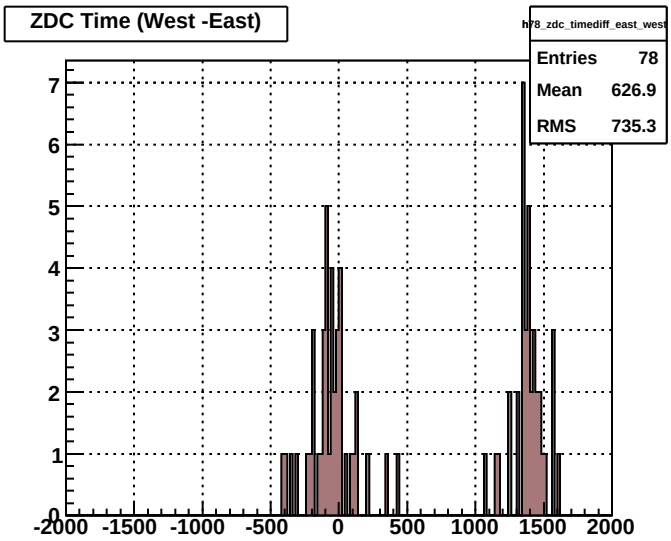
**TriggerBits: 11111111 11111111 11111111 11111111**

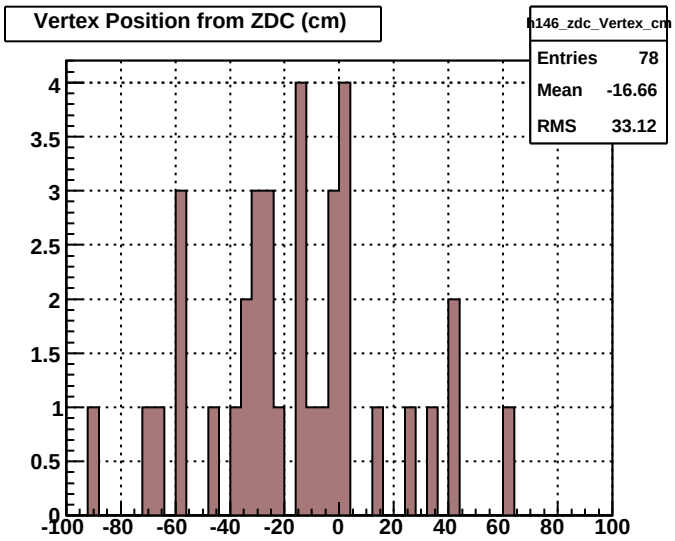
**DetectorBits: 00000000 00001000 01000001 00001000**

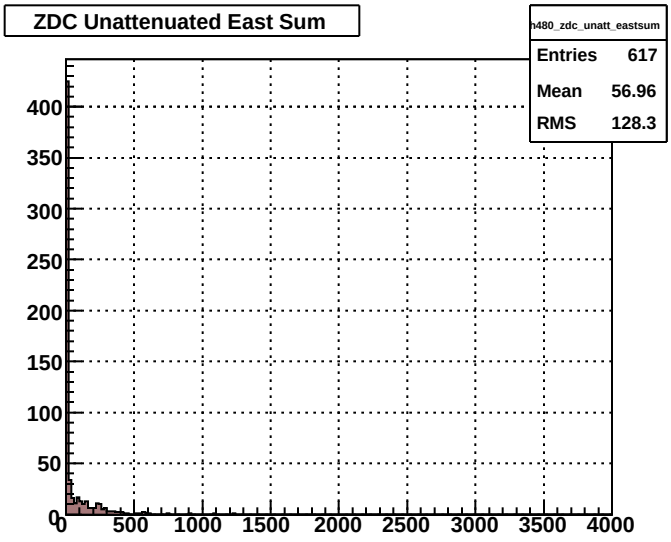
**Mon Apr 11 21:34:33 2011**

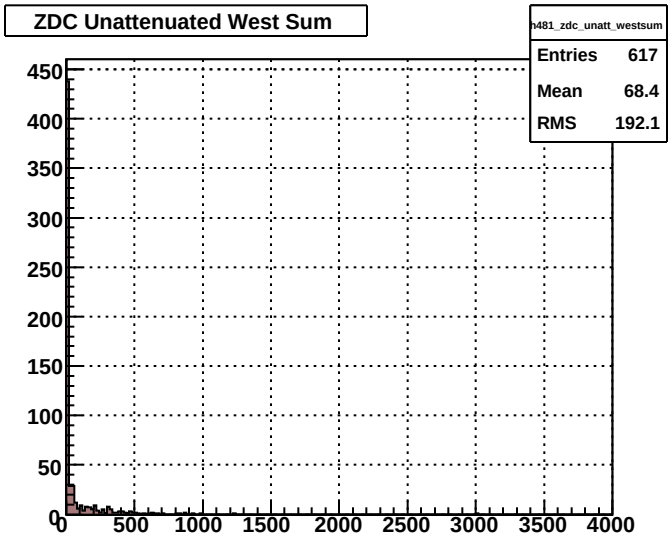

ZDC Time East
h76_zdc_time_east
Entries 375
Mean 683
RMS 725.1

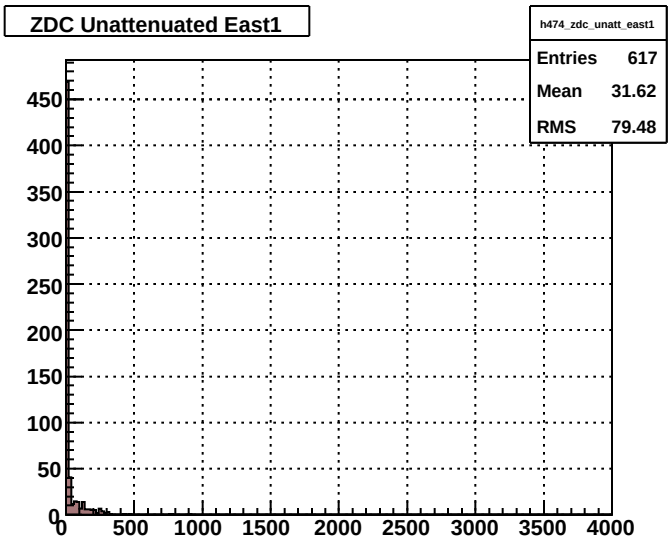

ZDC Time West
h77_zdc_time_west
Entries 131
Mean 1443
RMS 133.1

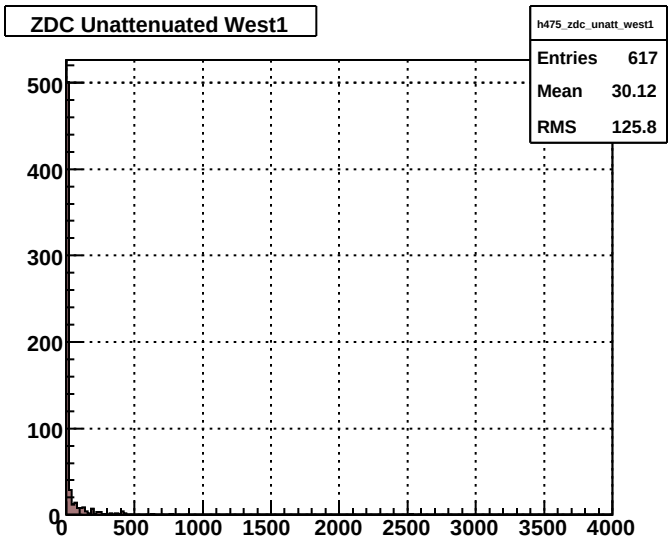

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 78
Mean 626.9
RMS 735.3

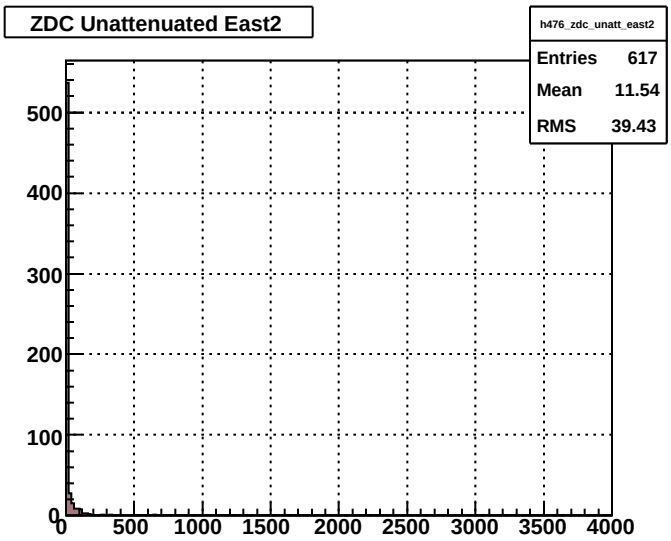

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 78
Mean -16.66
RMS 33.12

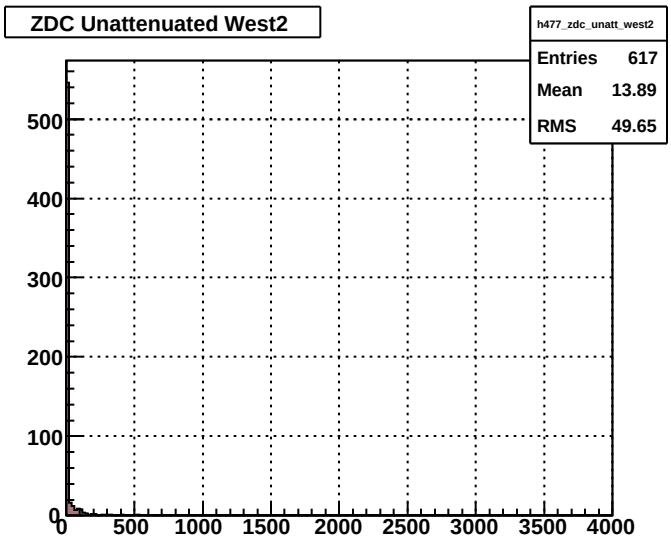

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 617
Mean 56.96
RMS 128.3

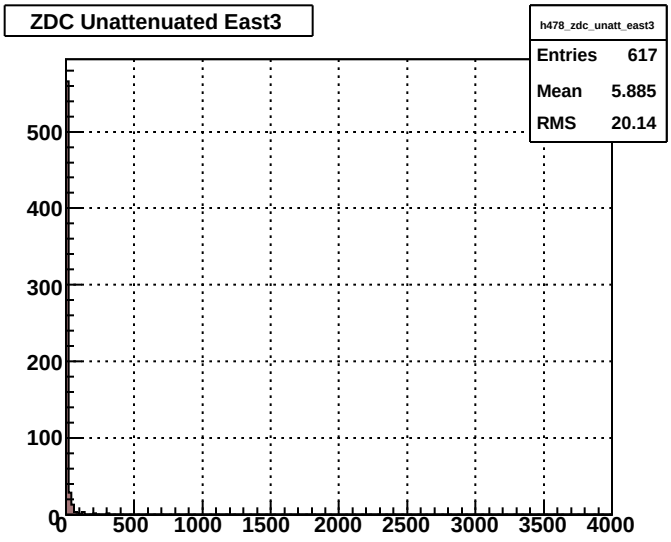

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 617
Mean 68.4
RMS 192.1

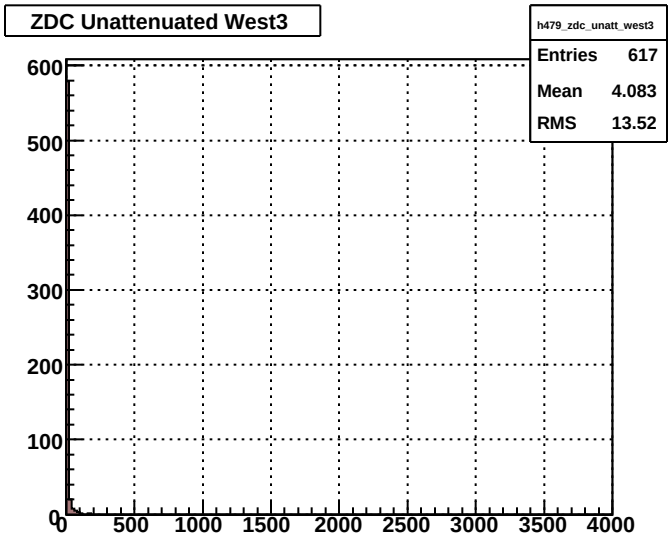

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 617
Mean 31.62
RMS 79.48

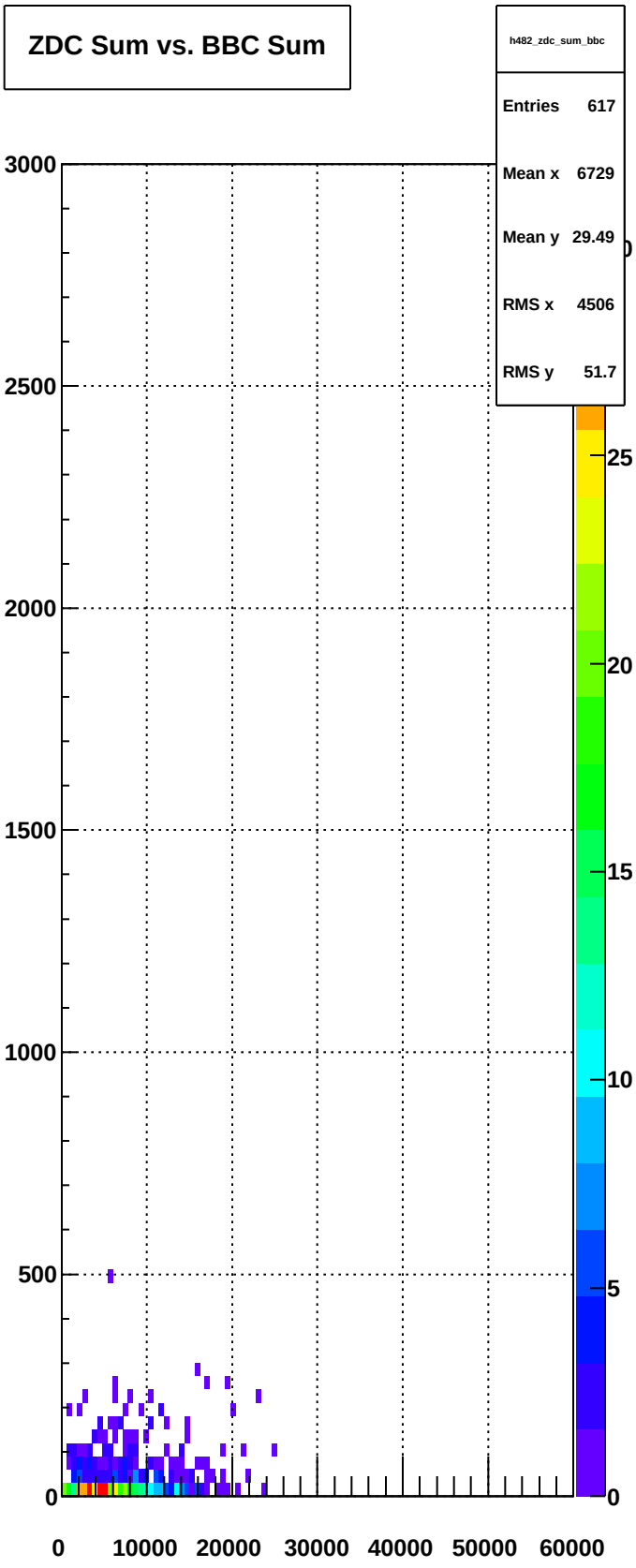

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 617
Mean 30.12
RMS 125.8

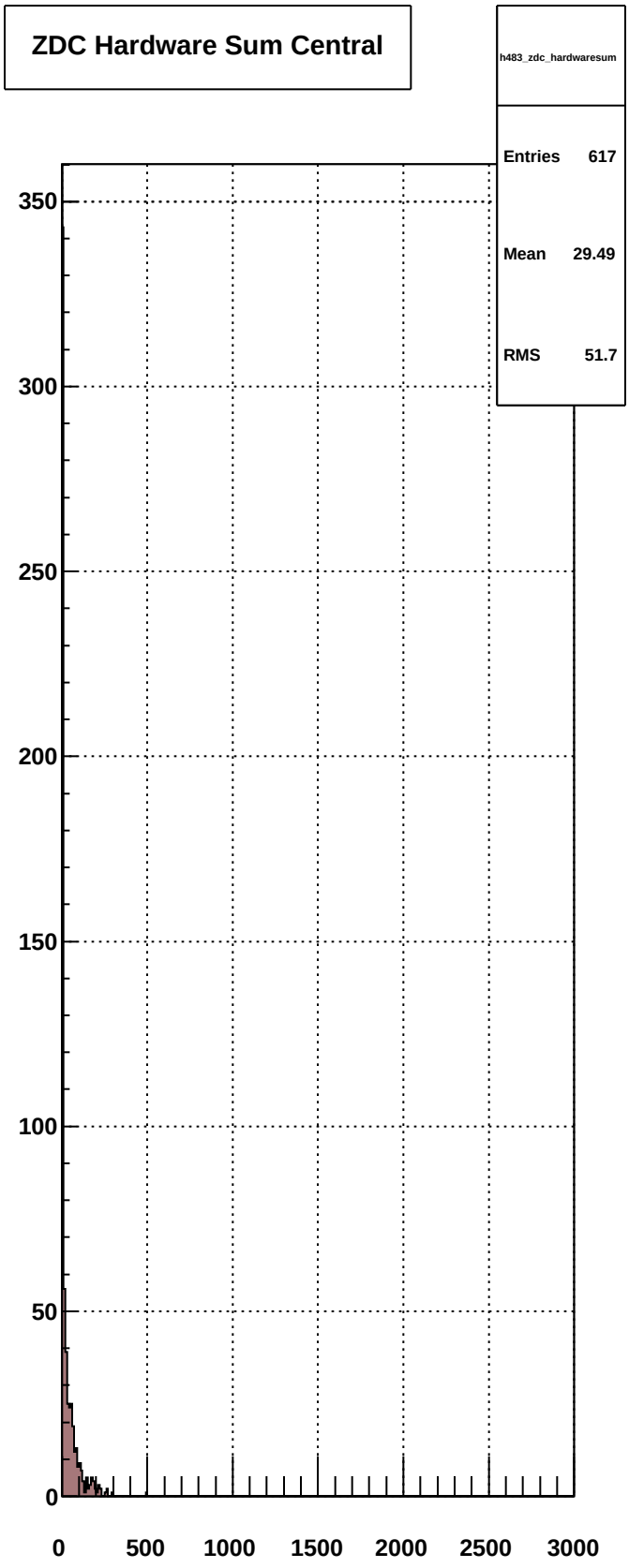

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 617
Mean 11.54
RMS 39.43

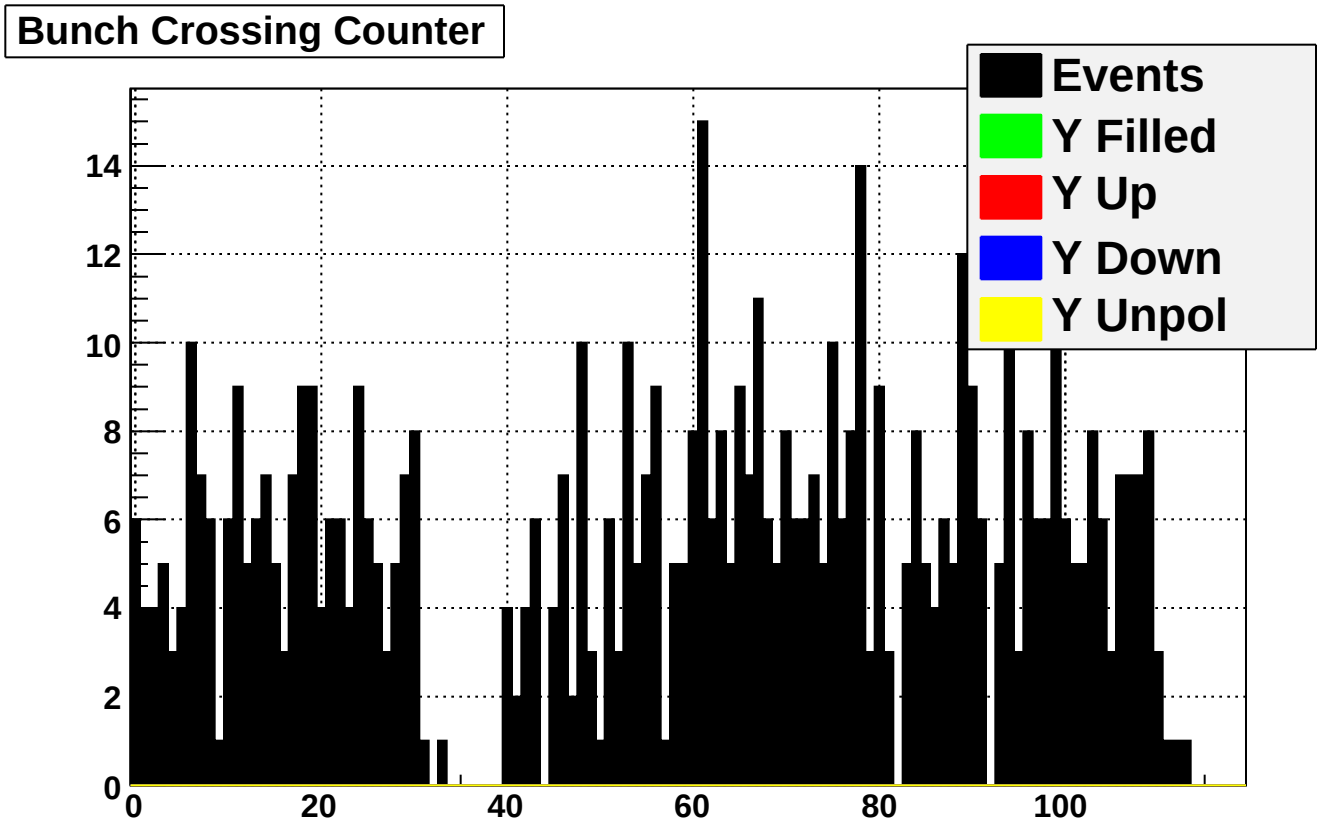

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 617
Mean 13.89
RMS 49.65

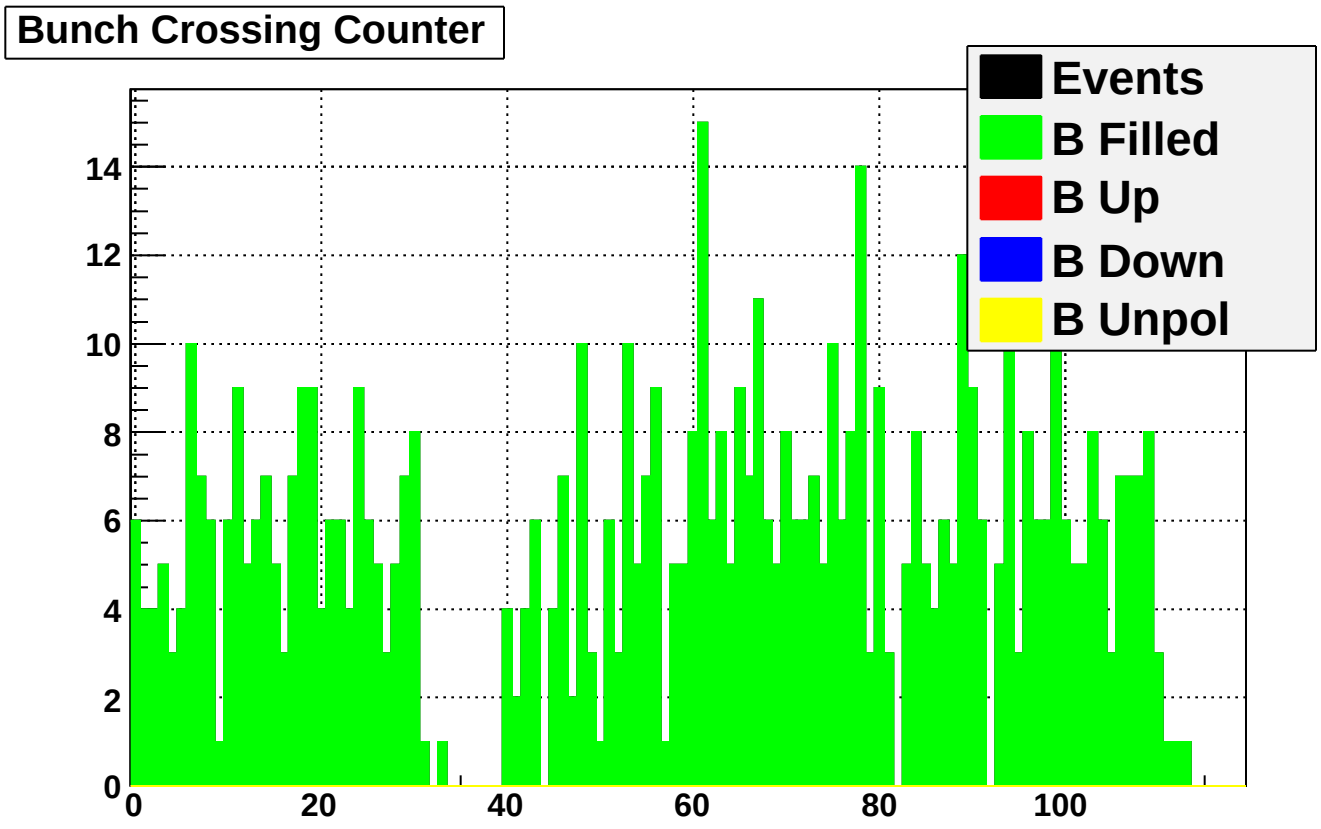

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 617
Mean 5.885
RMS 20.14

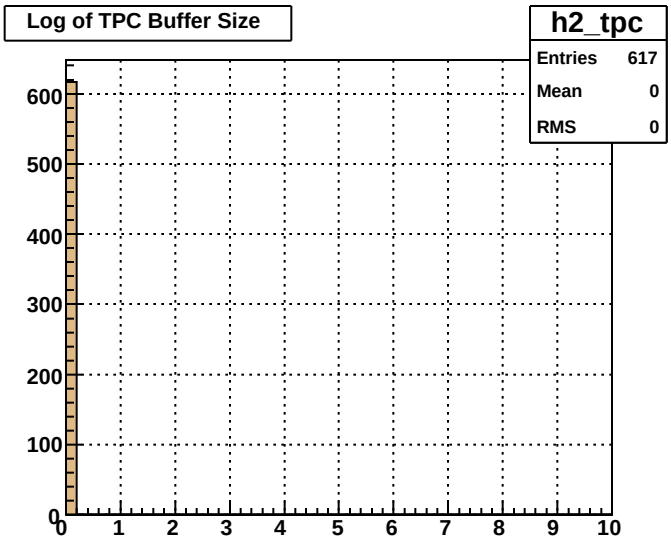

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 617
Mean 4.083
RMS 13.52

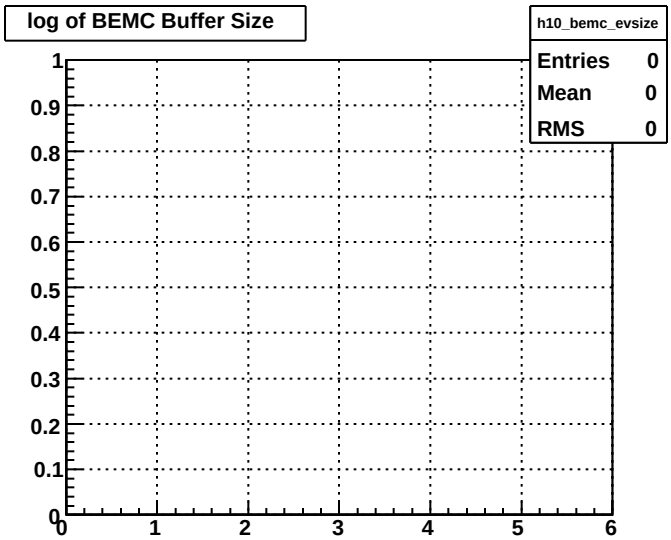

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 617
Mean x 6729
Mean y 29.49
RMS x 4506
RMS y 51.7
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
25
20
15
10
5
0

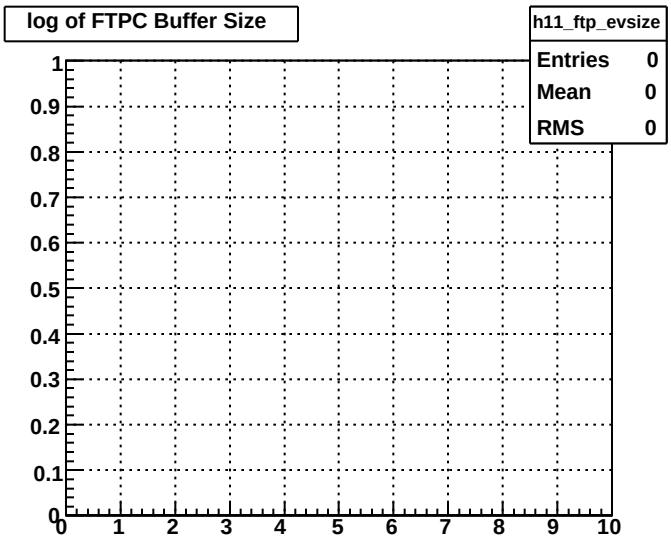

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 617
Mean 29.49
RMS 51.7
350
300
250
200
150
100
50
0
0
500
1000
1500
2000
2500
3000

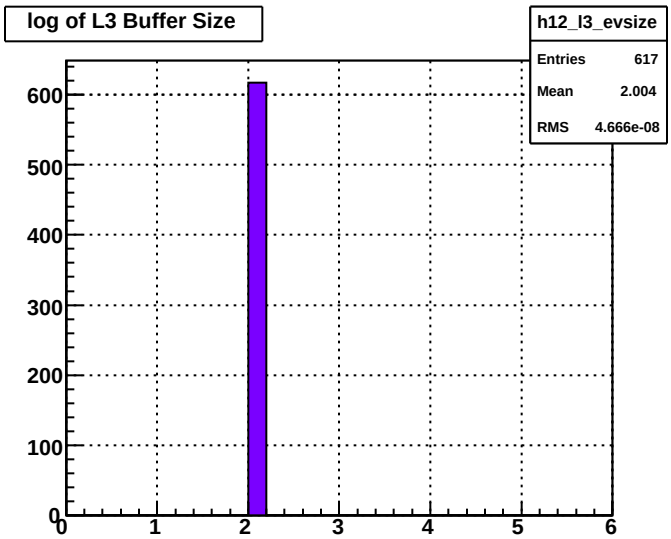

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
2
4
6
8
10
12
14
0
20
40
60
80
100

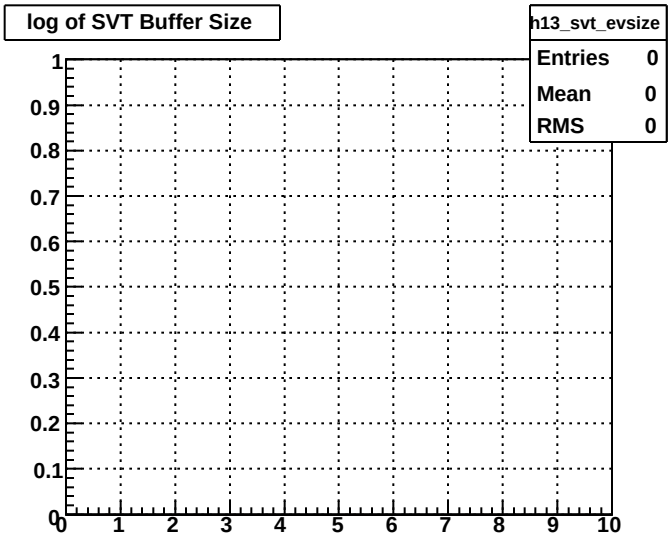

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
2
4
6
8
10
12
14
0
20
40
60
80
100

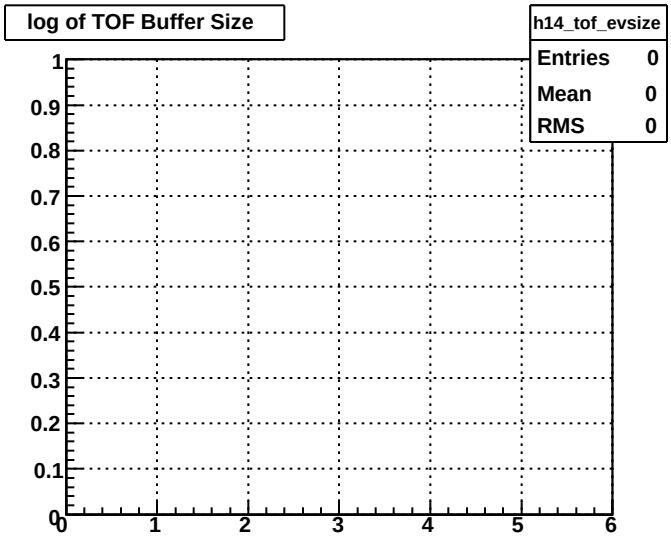

Log of TPC Buffer Size
h2_tpc
Entries 617
Mean 0
RMS 0

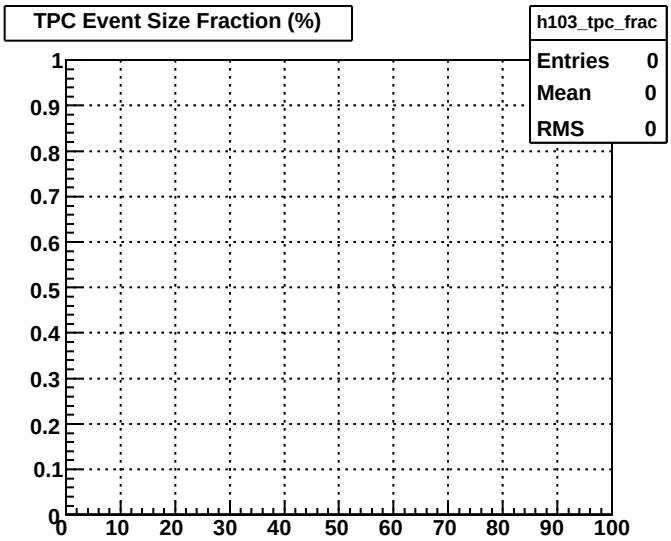

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

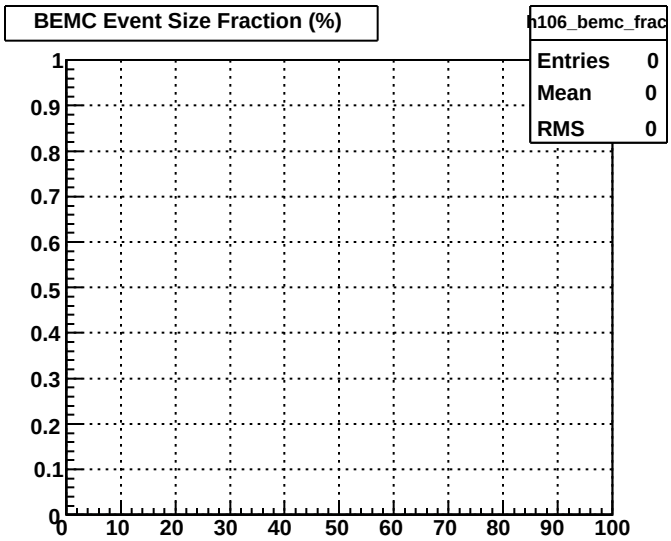

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

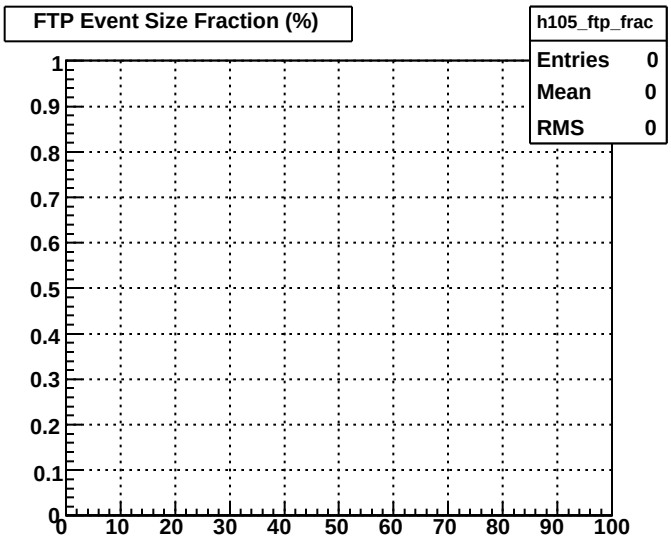

log of L3 Buffer Size
h12_l3_evsize
Entries 617
Mean 2.004
RMS 4.666e-08

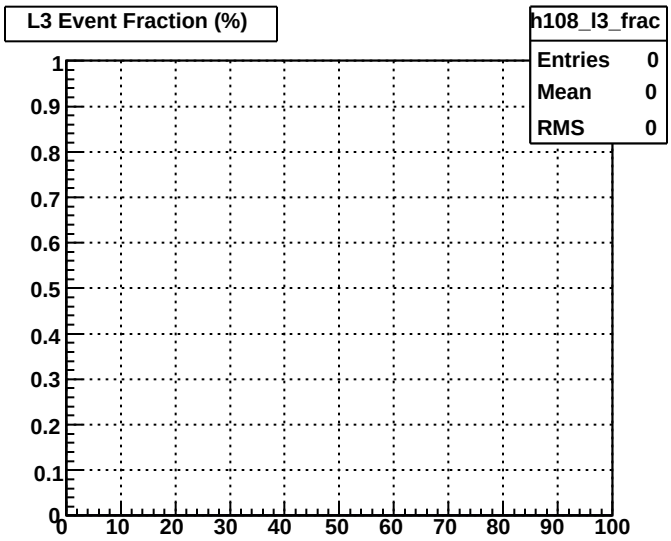

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

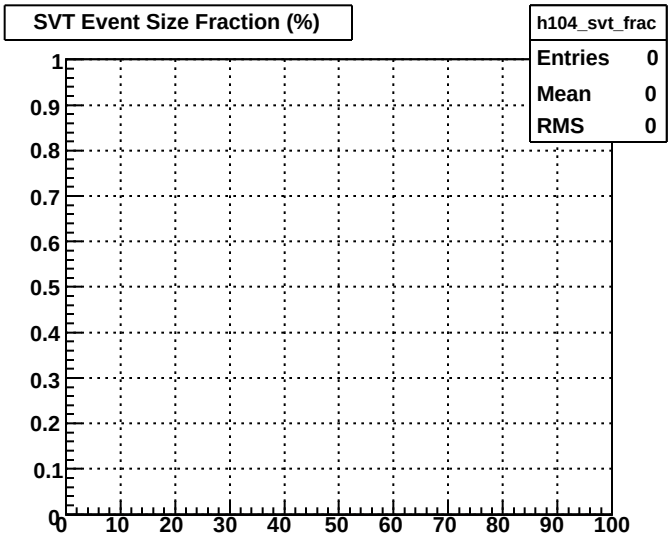

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

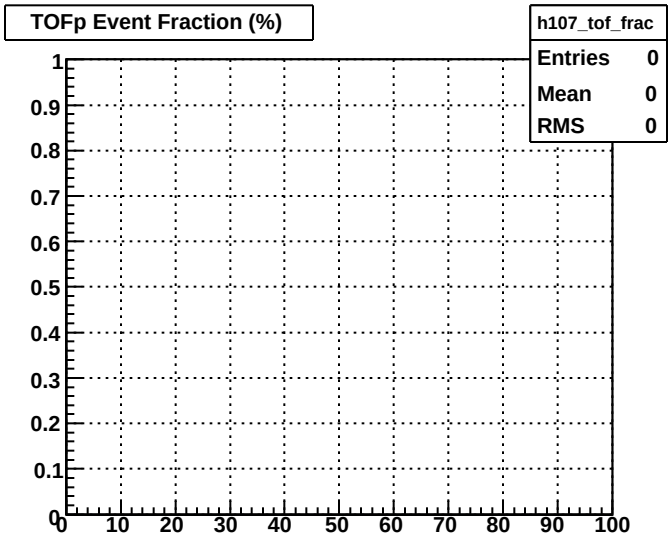

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

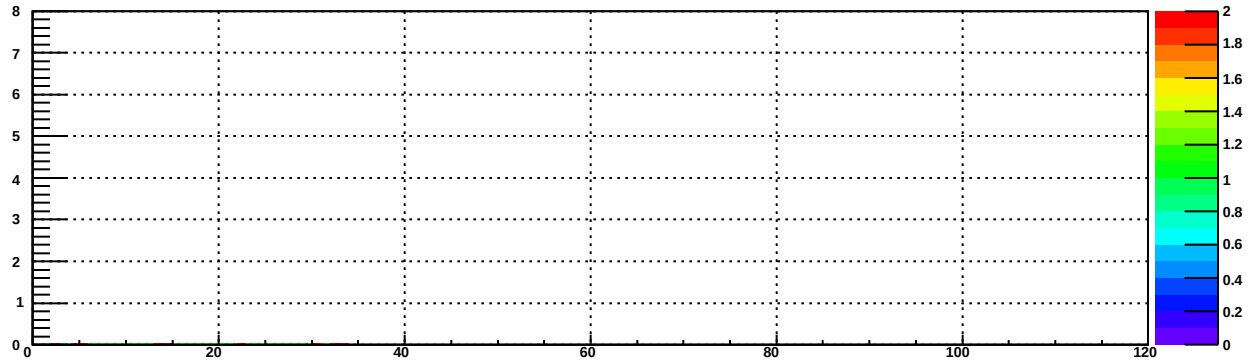

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

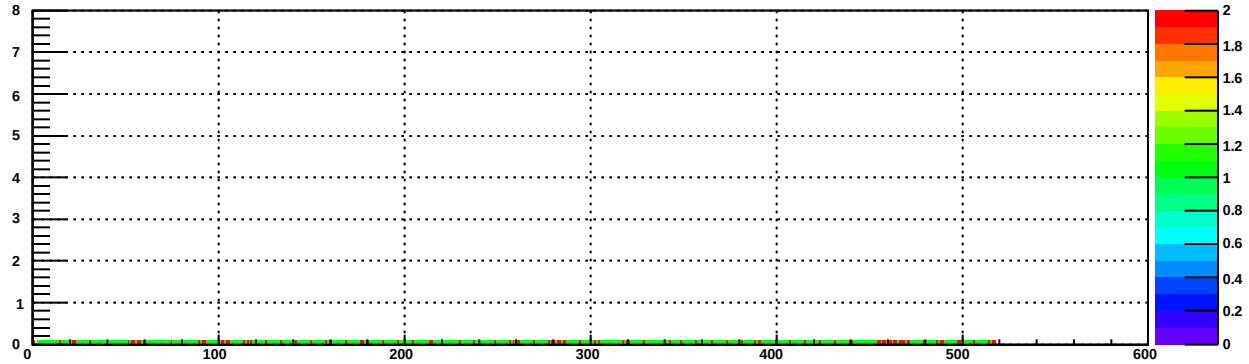

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

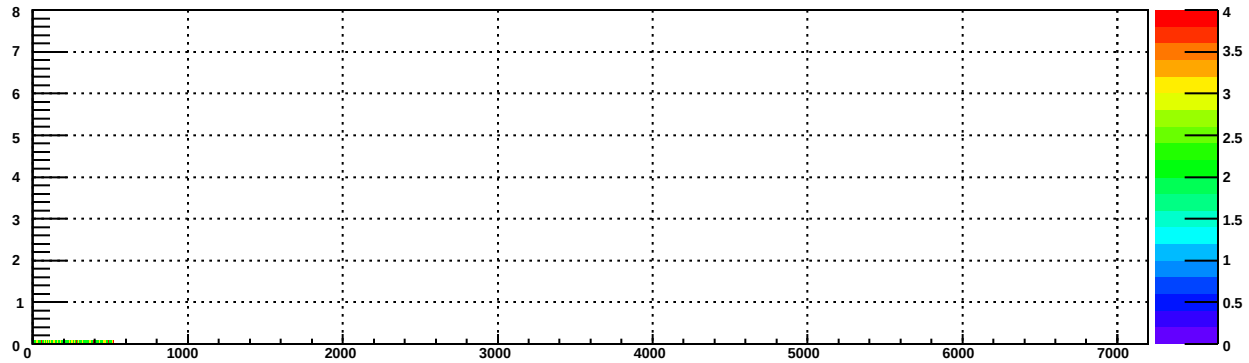
Event Size (Log10) vs time (sec)



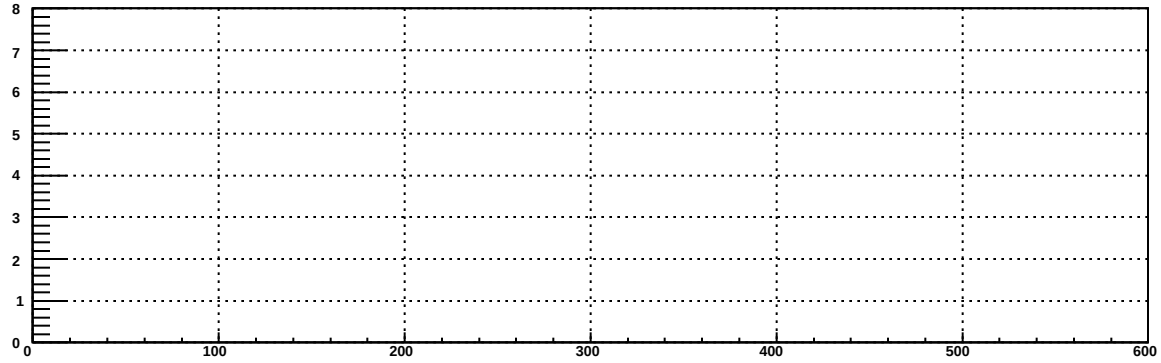

Event Size (Log10) vs time (sec)

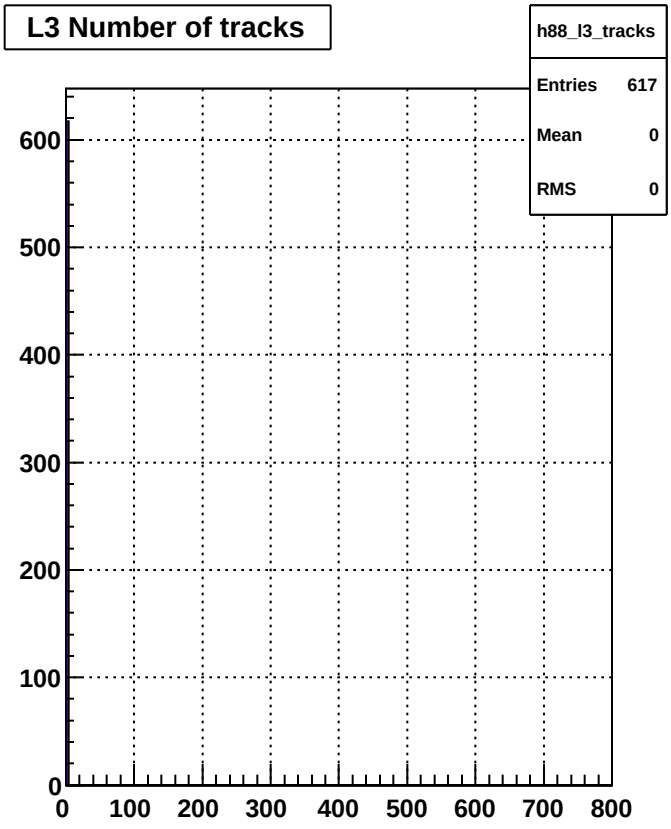


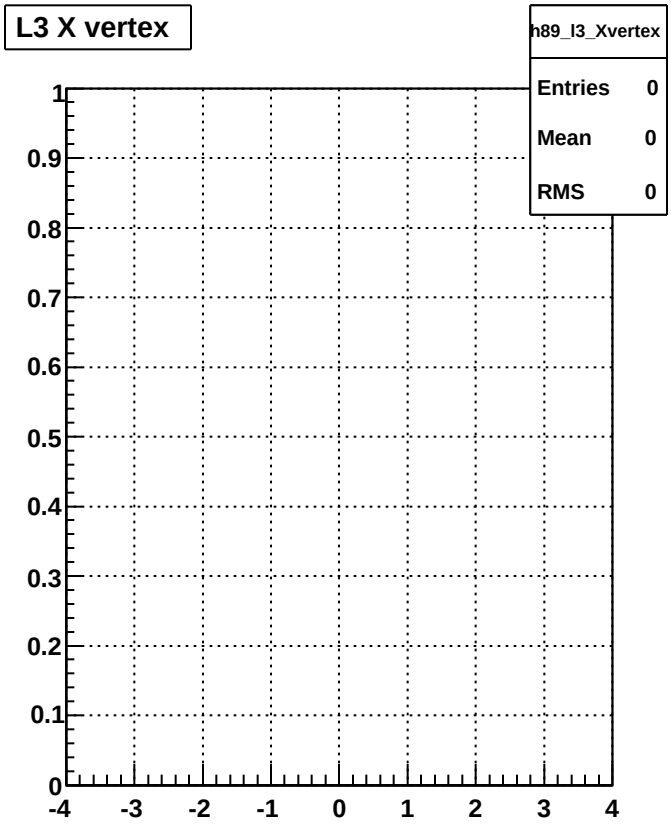

Event Size (Log10) vs time(sec)

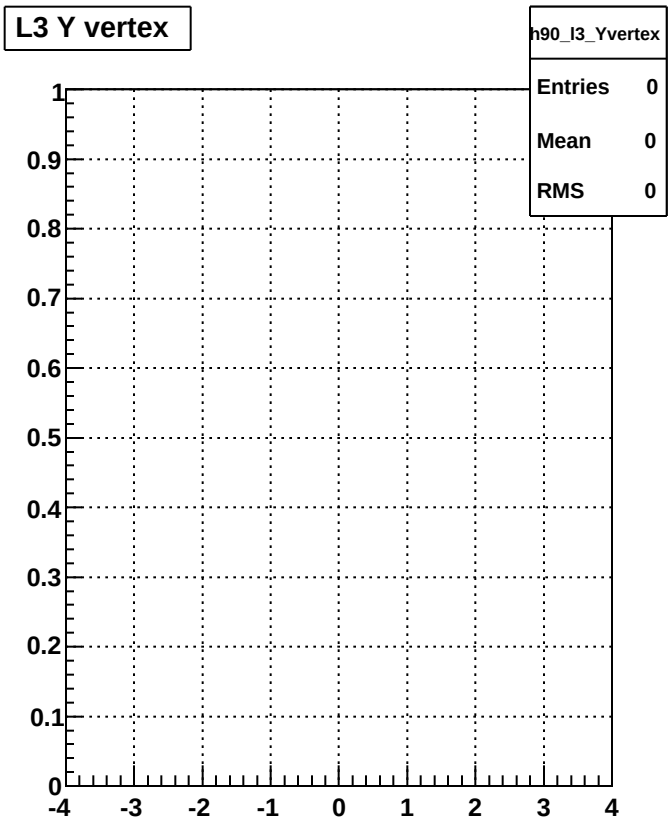


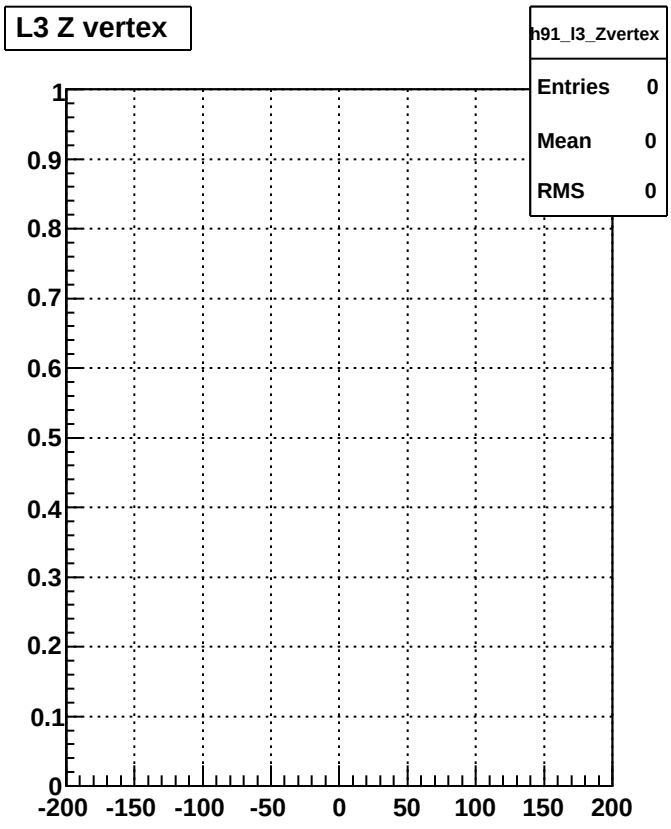

FTPC Event Size vs time(sec)



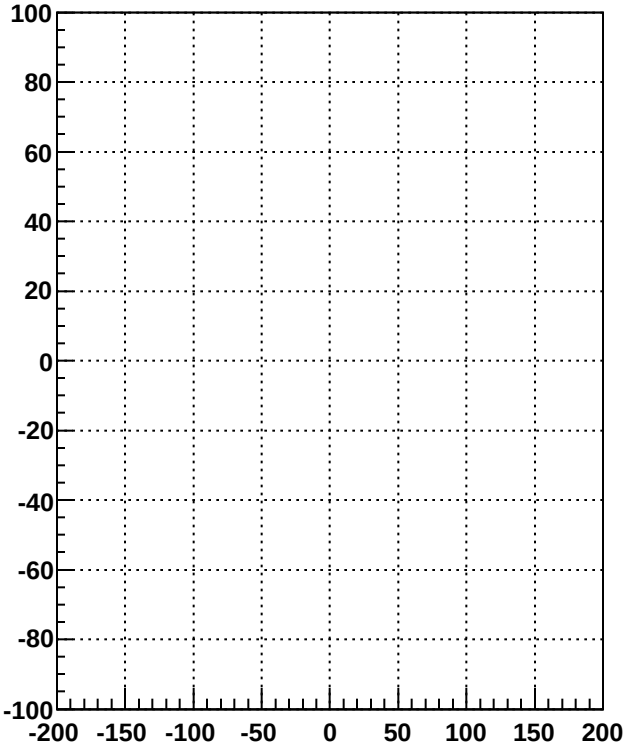

L3 Number of tracks
h88_l3_tracks
Entries 617
Mean 0
RMS 0
0
100
200
300
400
500
600
0
100
200
300
400
500
600
700
800


L3 X vertex
h89_l3_Xvertex
Entries 0
Mean 0
RMS 0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
-4
-3
-2
-1
0
1
2
3
4

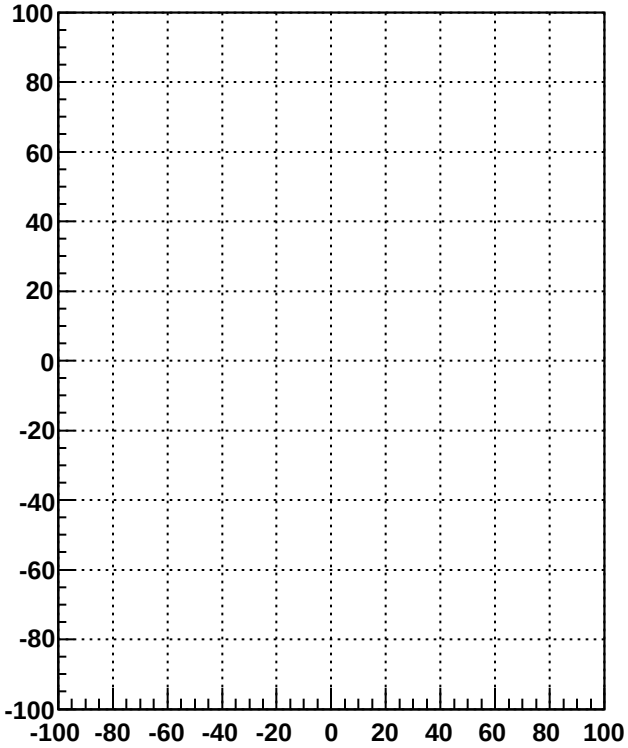

L3 Y vertex
h90_l3_Yvertex
Entries 0
Mean 0
RMS 0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
-4
-3
-2
-1
0
1
2
3
4


L3 Z vertex
h91_l3_Zvertex
Entries 0
Mean 0
RMS 0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
-200
-150
-100
-50
0
50
100
150
200

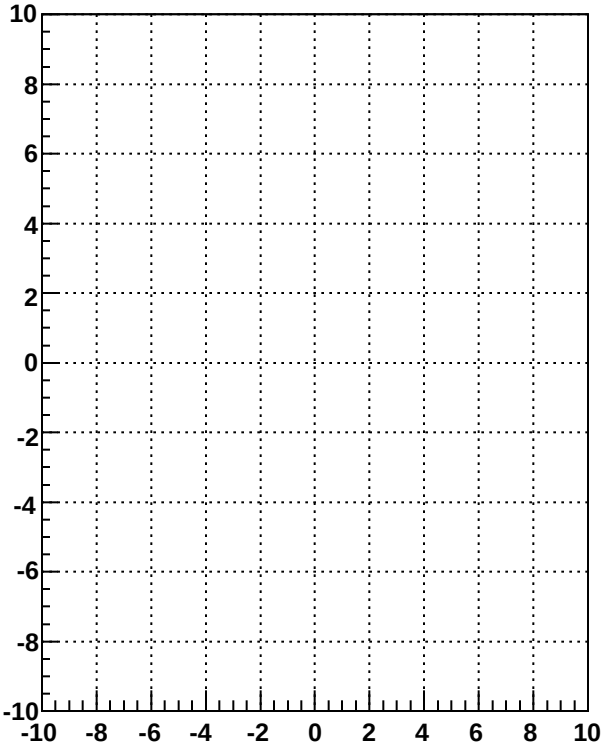
ZDC Vertex vs L3 Vertex



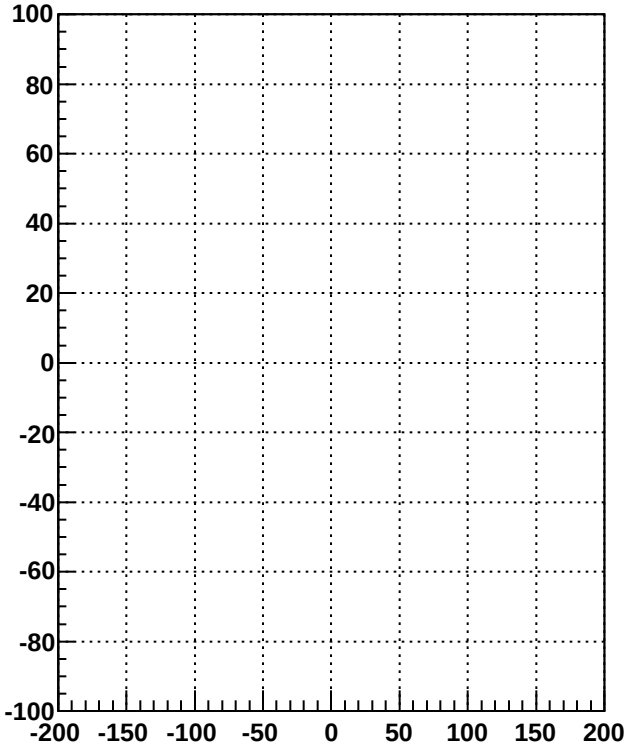

BBC Vertex vs L3 Vertex

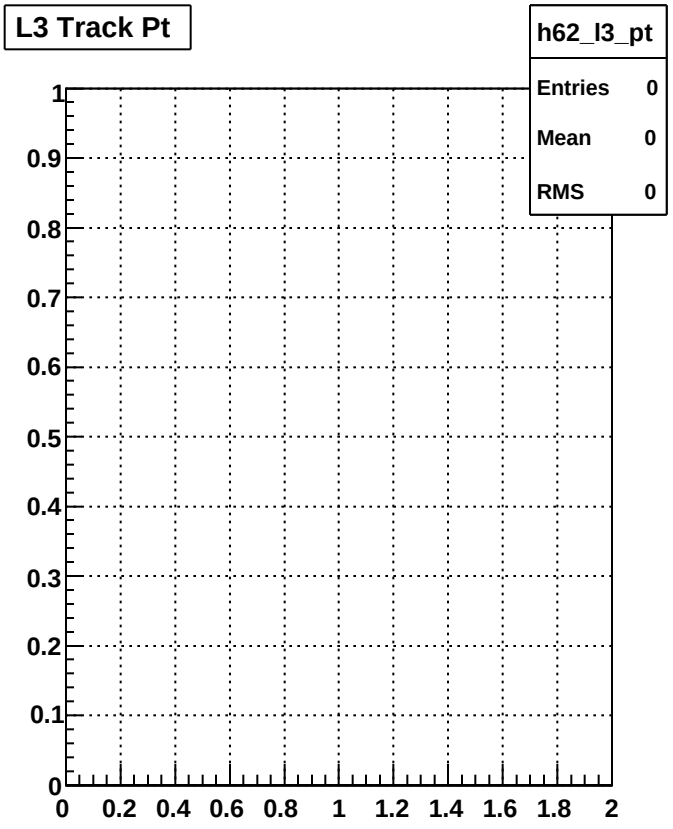


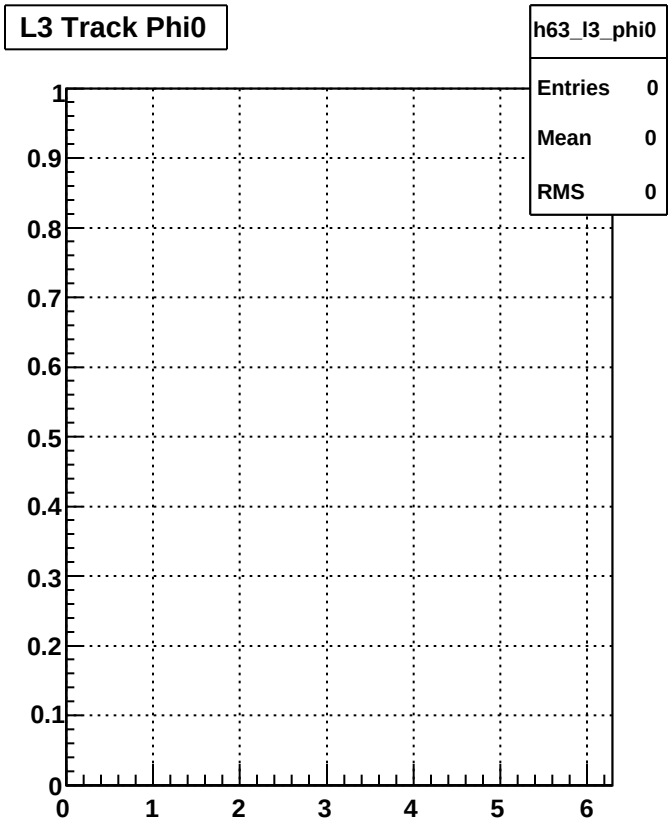

L3 Vertex Y vs X

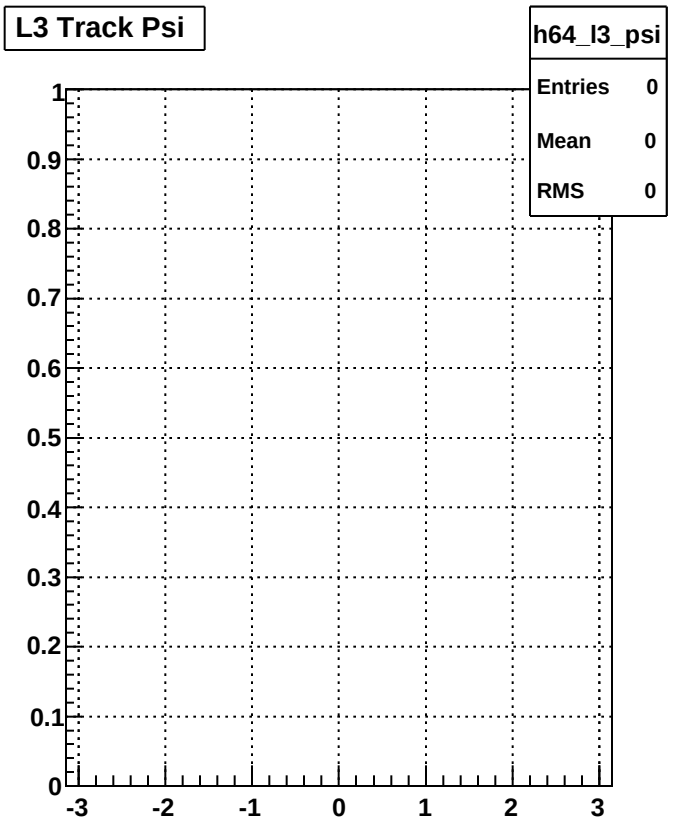


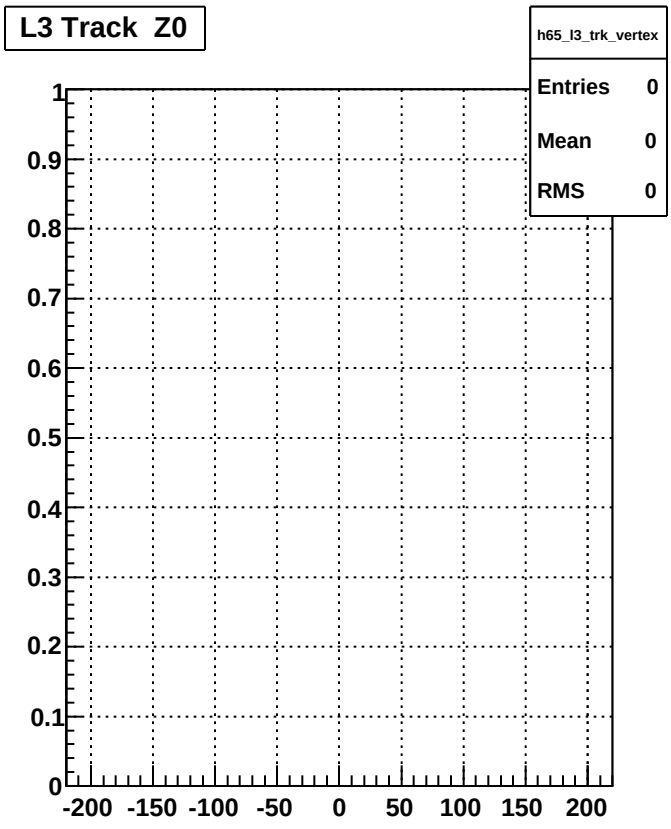

L3 Vertex-Z vs ZDC Timing difference

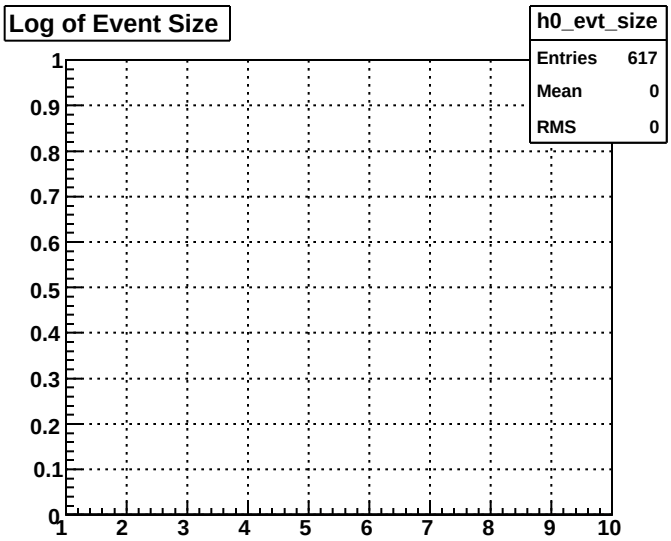


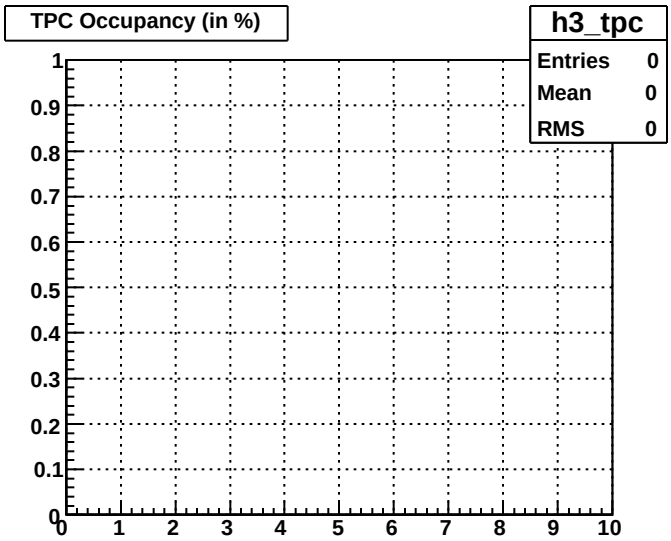

L3 Track Pt
h62_l3_pt
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

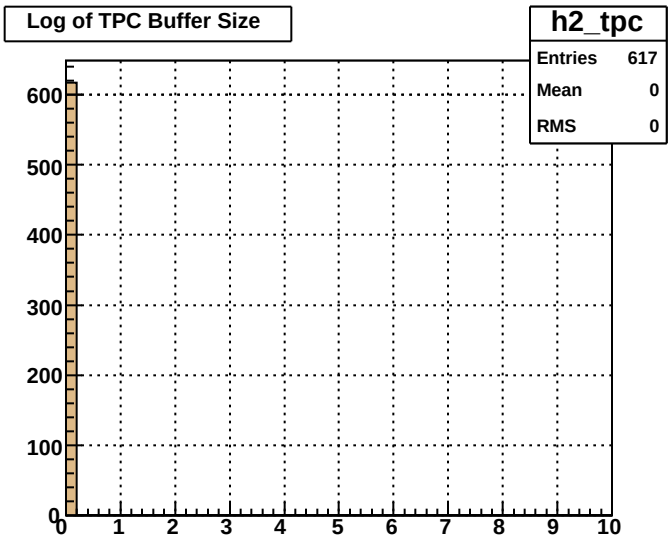

L3 Track Phi0
h63_l3_phi0
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6

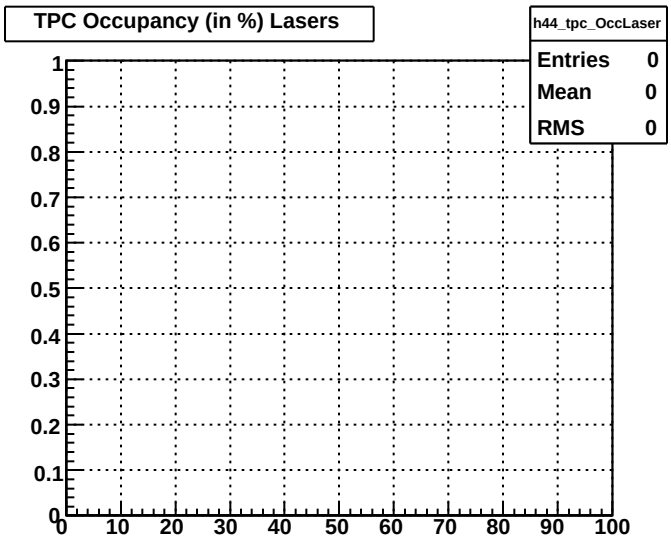

L3 Track Psi
h64_l3_psi
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-3 -2 -1 0 1 2 3

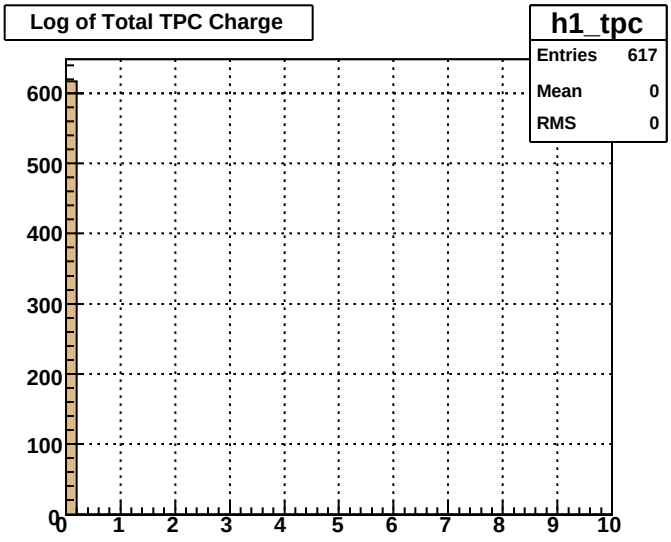

L3 Track Z0
h65_l3_trk_vertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-200 -150 -100 -50 0 50 100 150 200

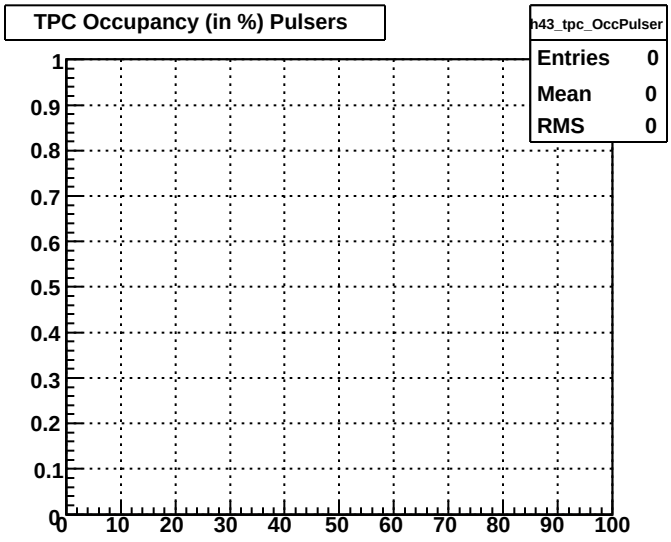

Log of Event Size
h0_evt_size
Entries 617
Mean 0
RMS 0


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

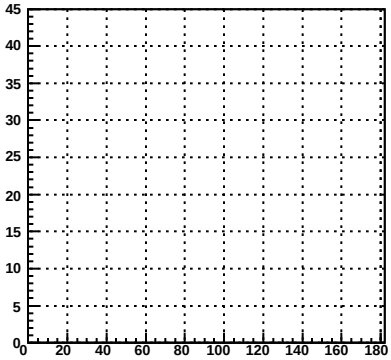

Log of TPC Buffer Size
h2_tpc
Entries 617
Mean 0
RMS 0


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

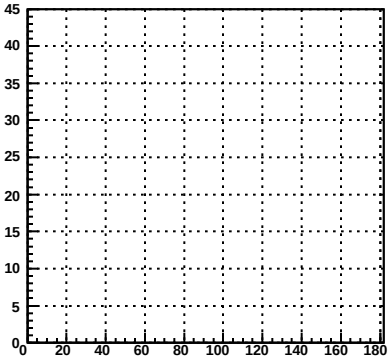

Log of Total TPC Charge
h1_tpc
Entries 617
Mean 0
RMS 0


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

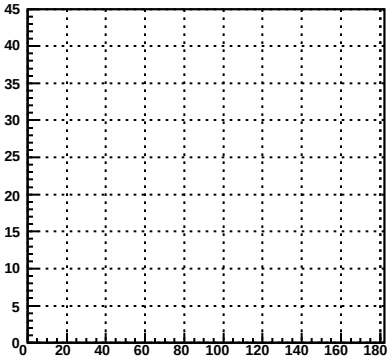
Sec. 1 charge per pad



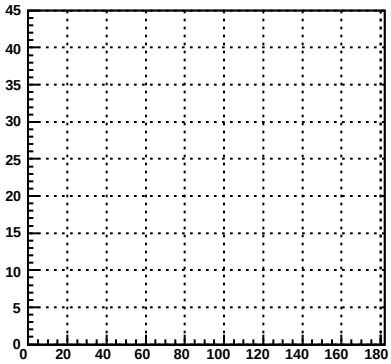

Sec. 2 charge per pad



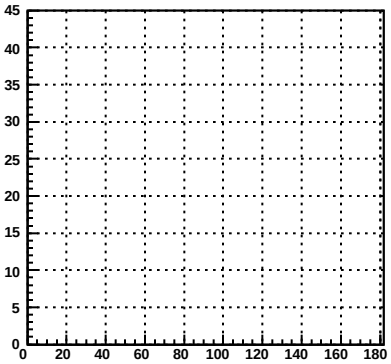

Sec. 3 charge per pad



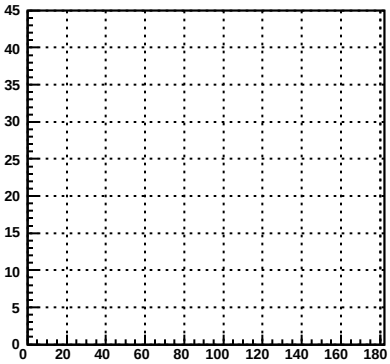

Sec. 4 charge per pad



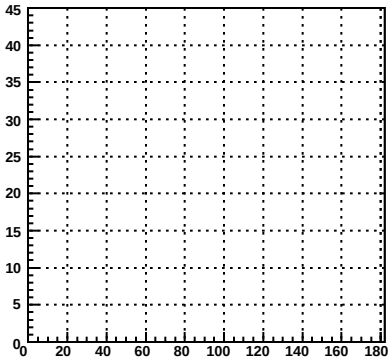

Sec. 5 charge per pad



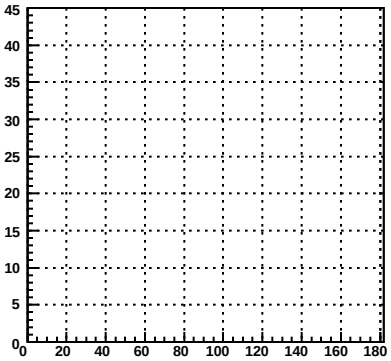

Sec. 6 charge per pad



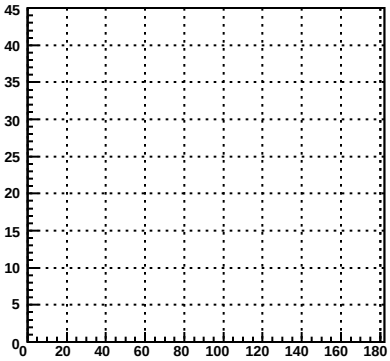

Sec. 7 charge per pad



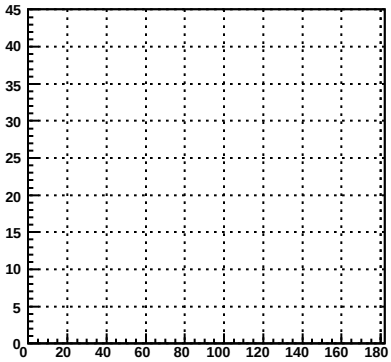

Sec. 8 charge per pad



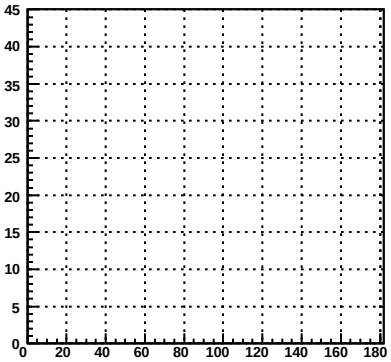

Sec. 9 charge per pad



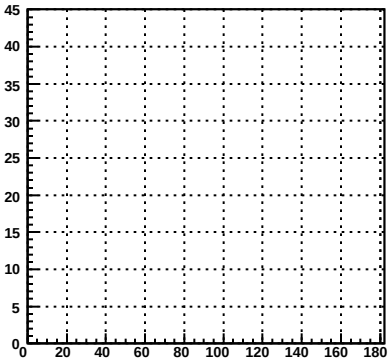

Sec. 10 charge per pad



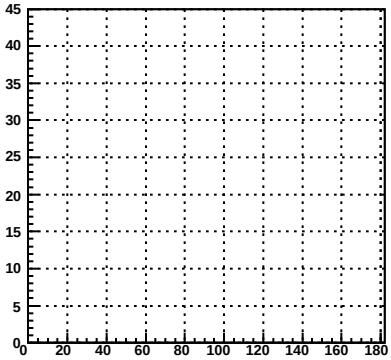

Sec. 11 charge per pad



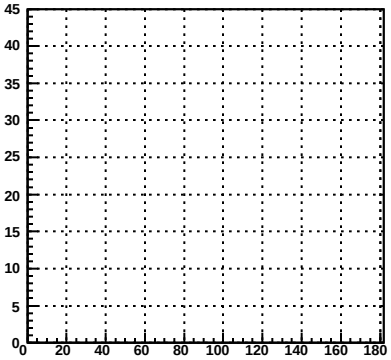

Sec. 12 charge per pad



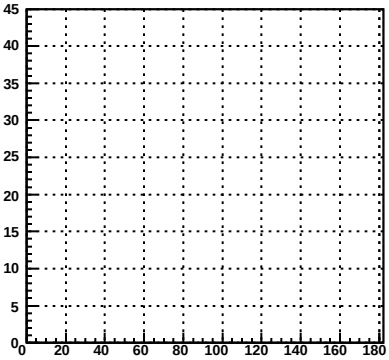
Sec. 13 charge per pad



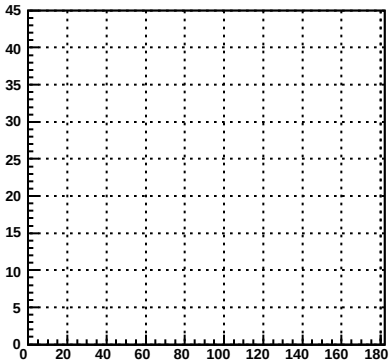

Sec. 14 charge per pad



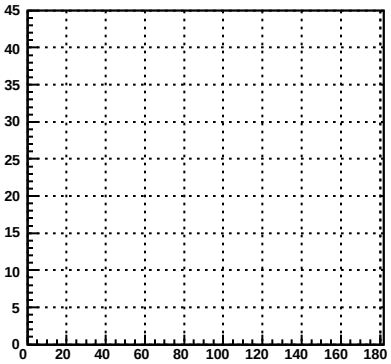

Sec. 15 charge per pad



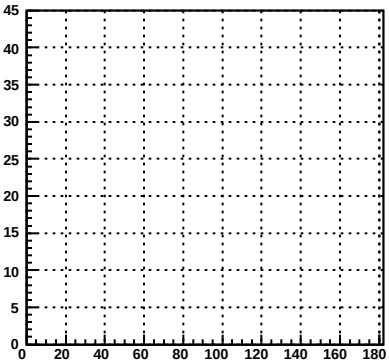

Sec. 16 charge per pad



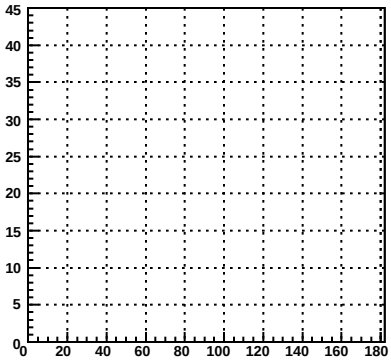

Sec. 17 charge per pad



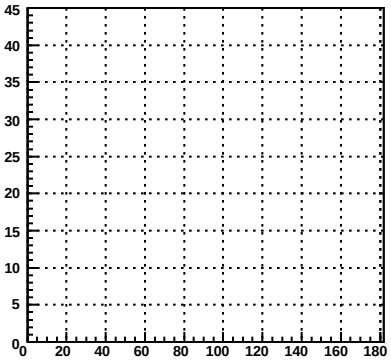

Sec. 18 charge per pad



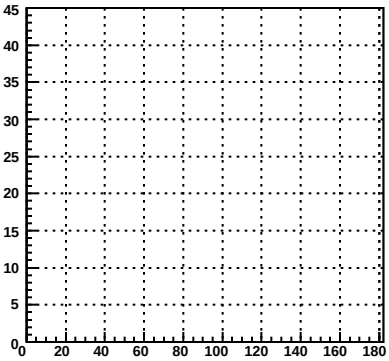

Sec. 19 charge per pad



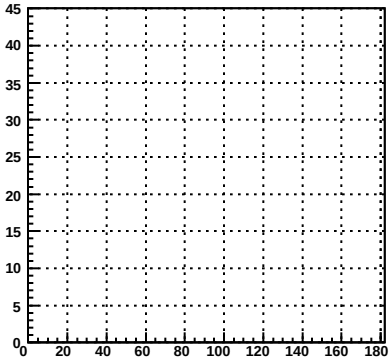

Sec. 20 charge per pad



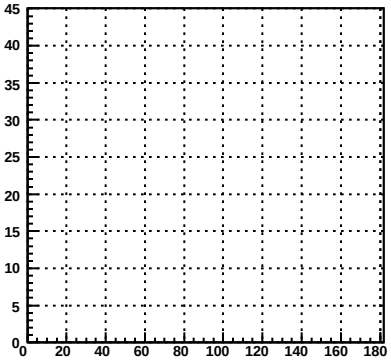

Sec. 21 charge per pad



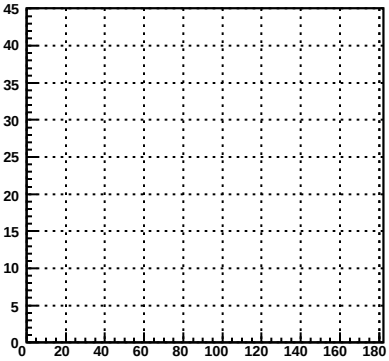

Sec. 22 charge per pad

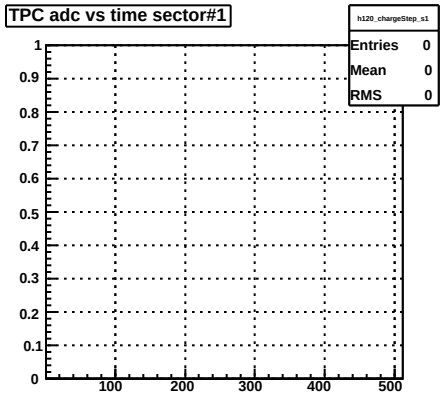


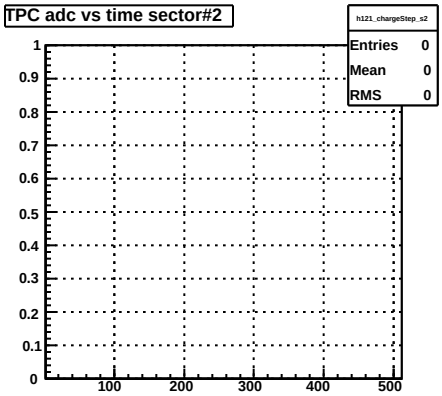

Sec. 23 charge per pad

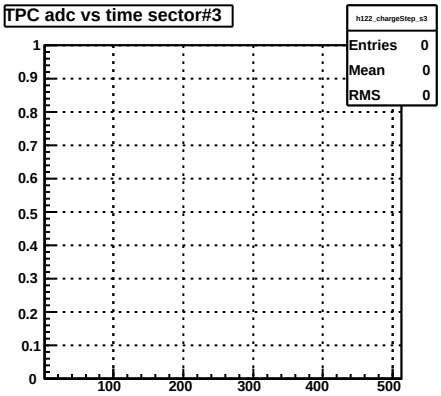


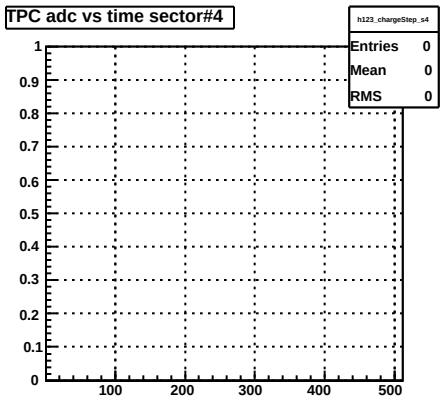

Sec. 24 charge per pad

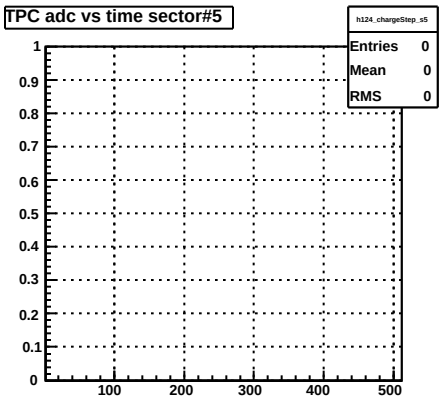


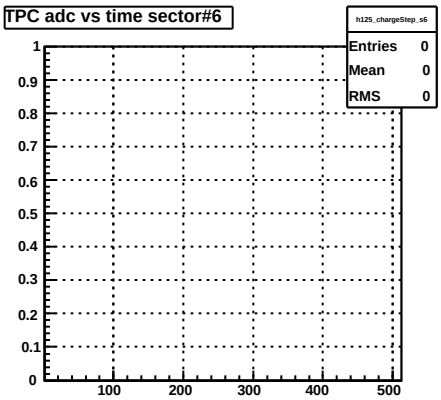

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 0
Mean 0
RMS 0

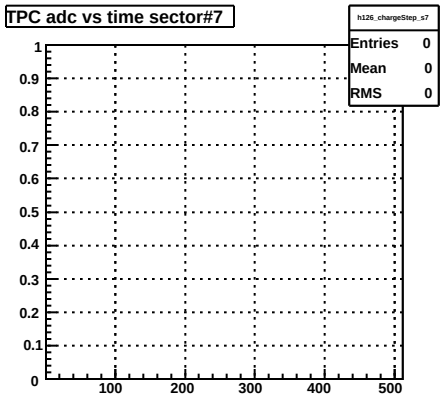

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 0
Mean 0
RMS 0

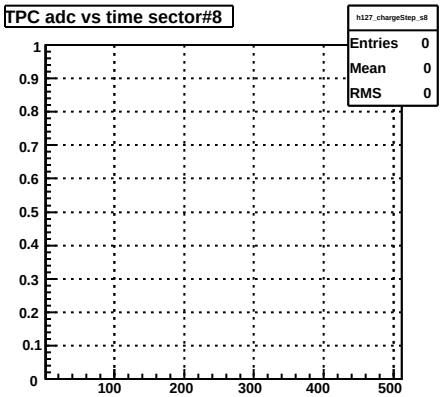

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 0
Mean 0
RMS 0

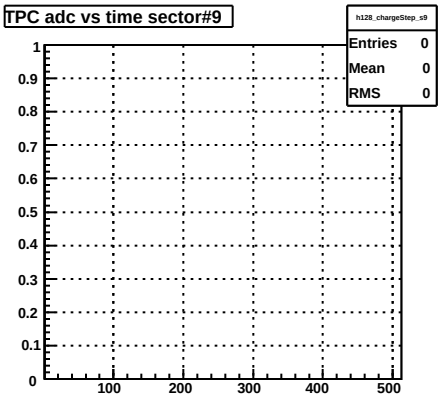

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 0
Mean 0
RMS 0

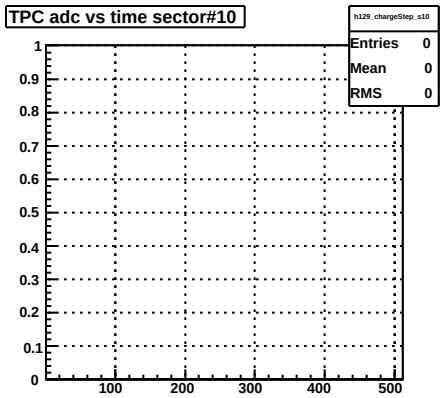

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 0
Mean 0
RMS 0

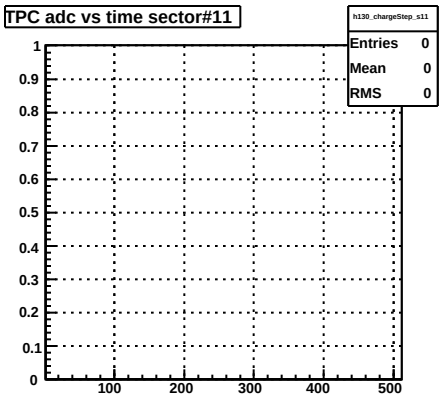

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 0
Mean 0
RMS 0

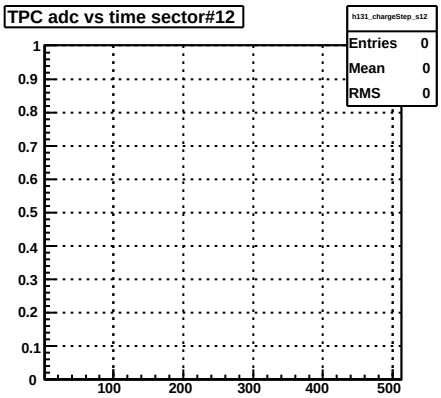

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 0
Mean 0
RMS 0

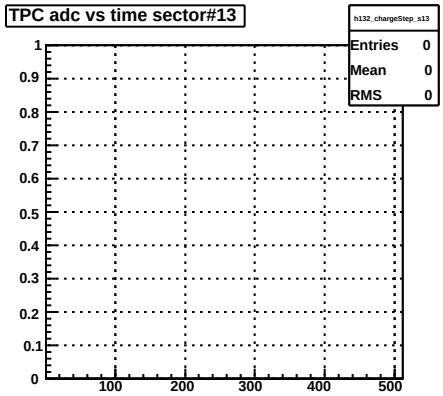

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 0
Mean 0
RMS 0

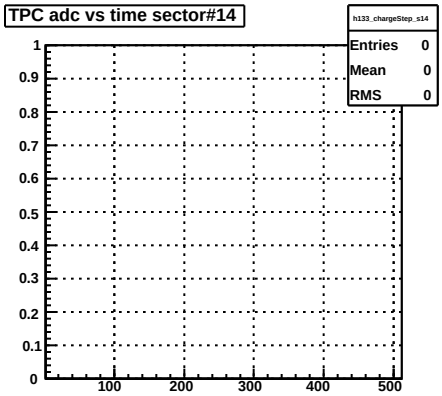

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 0
Mean 0
RMS 0

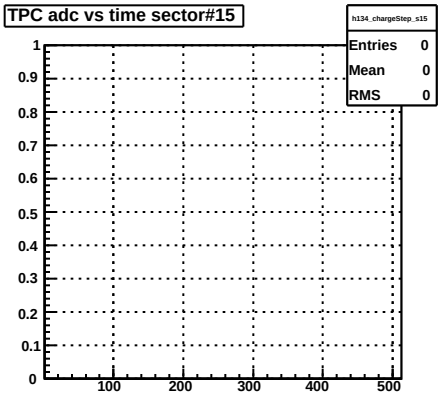

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 0
Mean 0
RMS 0

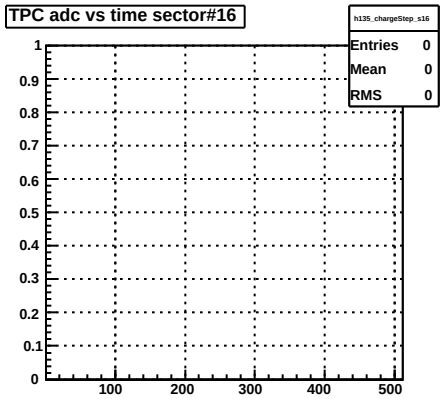

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 0
Mean 0
RMS 0

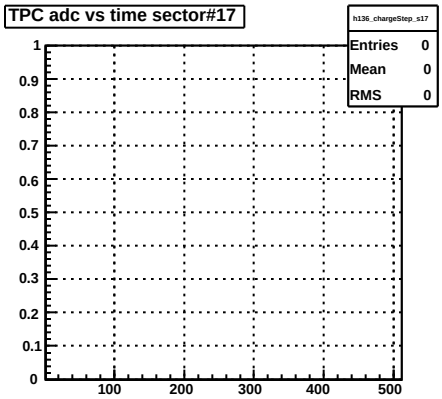

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 0
Mean 0
RMS 0

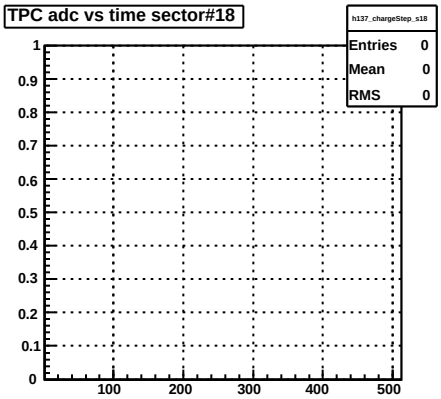

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 0
Mean 0
RMS 0

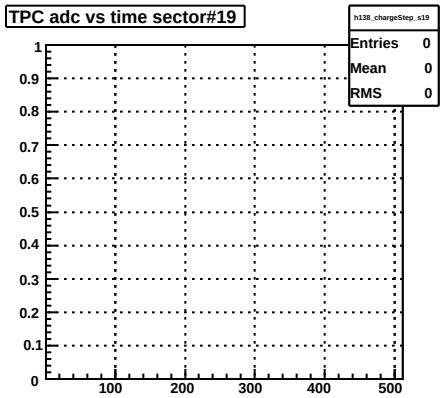

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 0
Mean 0
RMS 0

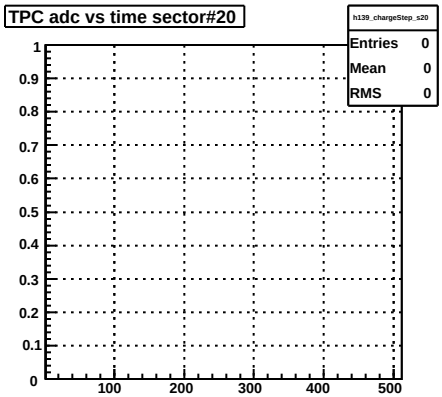

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 0
Mean 0
RMS 0

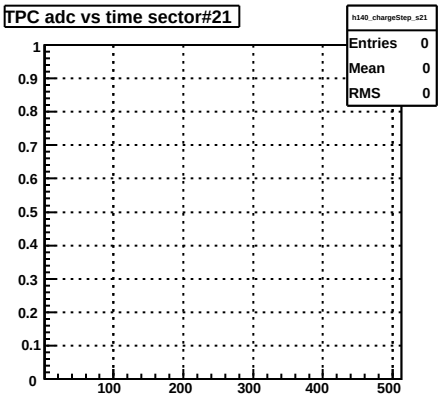

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 0
Mean 0
RMS 0

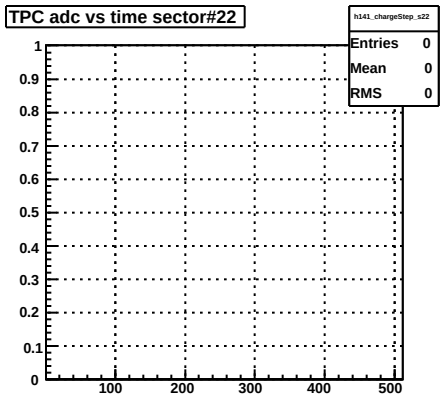

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 0
Mean 0
RMS 0

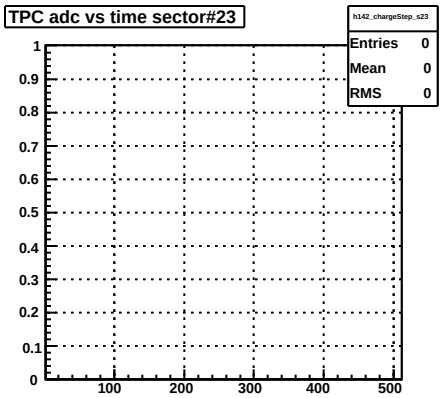

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 0
Mean 0
RMS 0

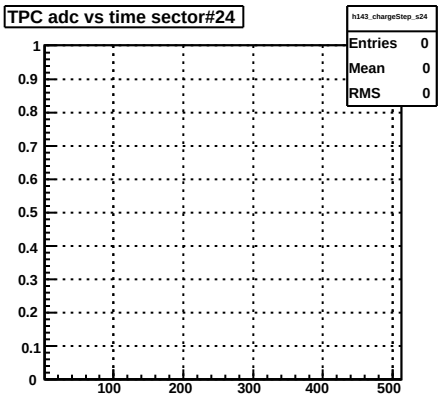

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 0
Mean 0
RMS 0

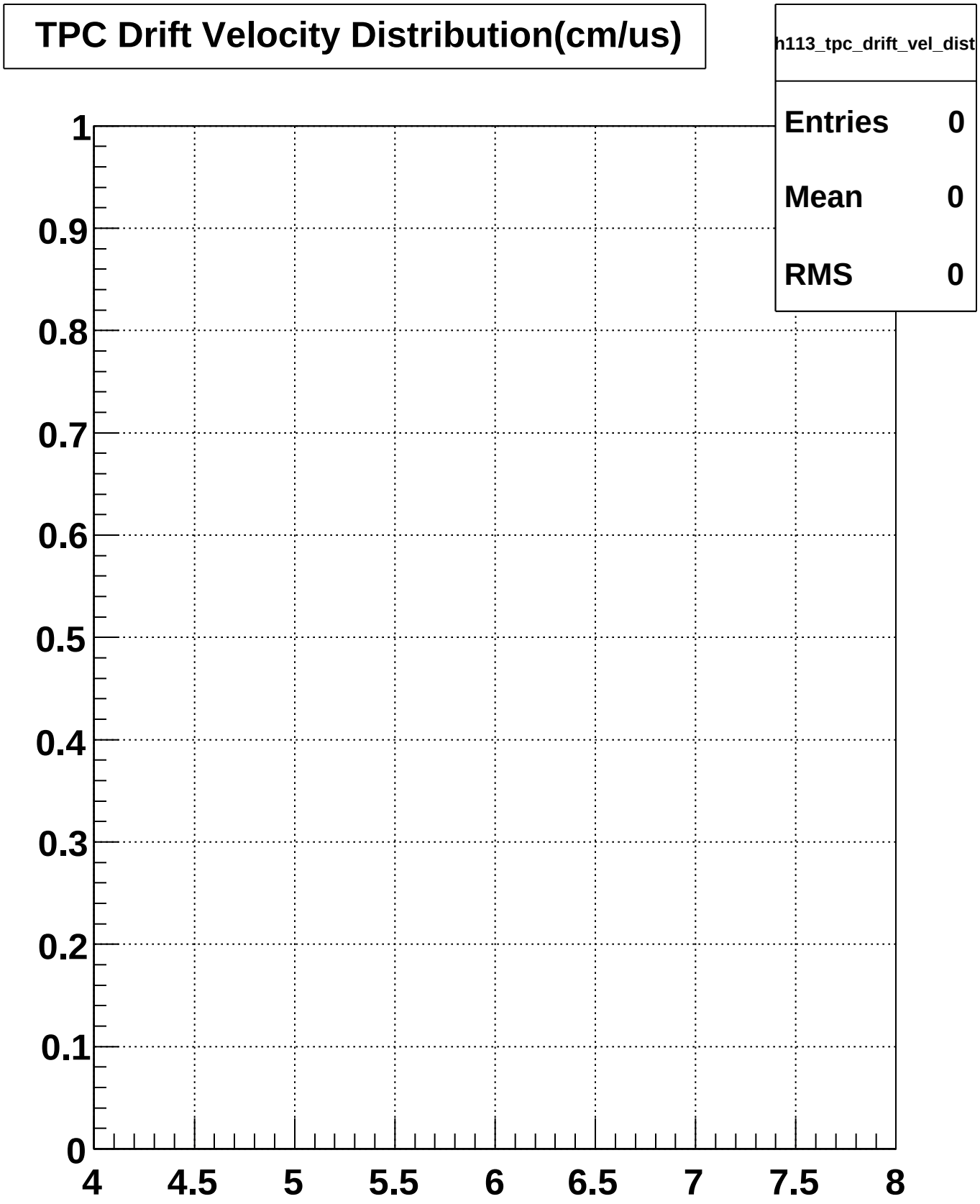

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 0
Mean 0
RMS 0


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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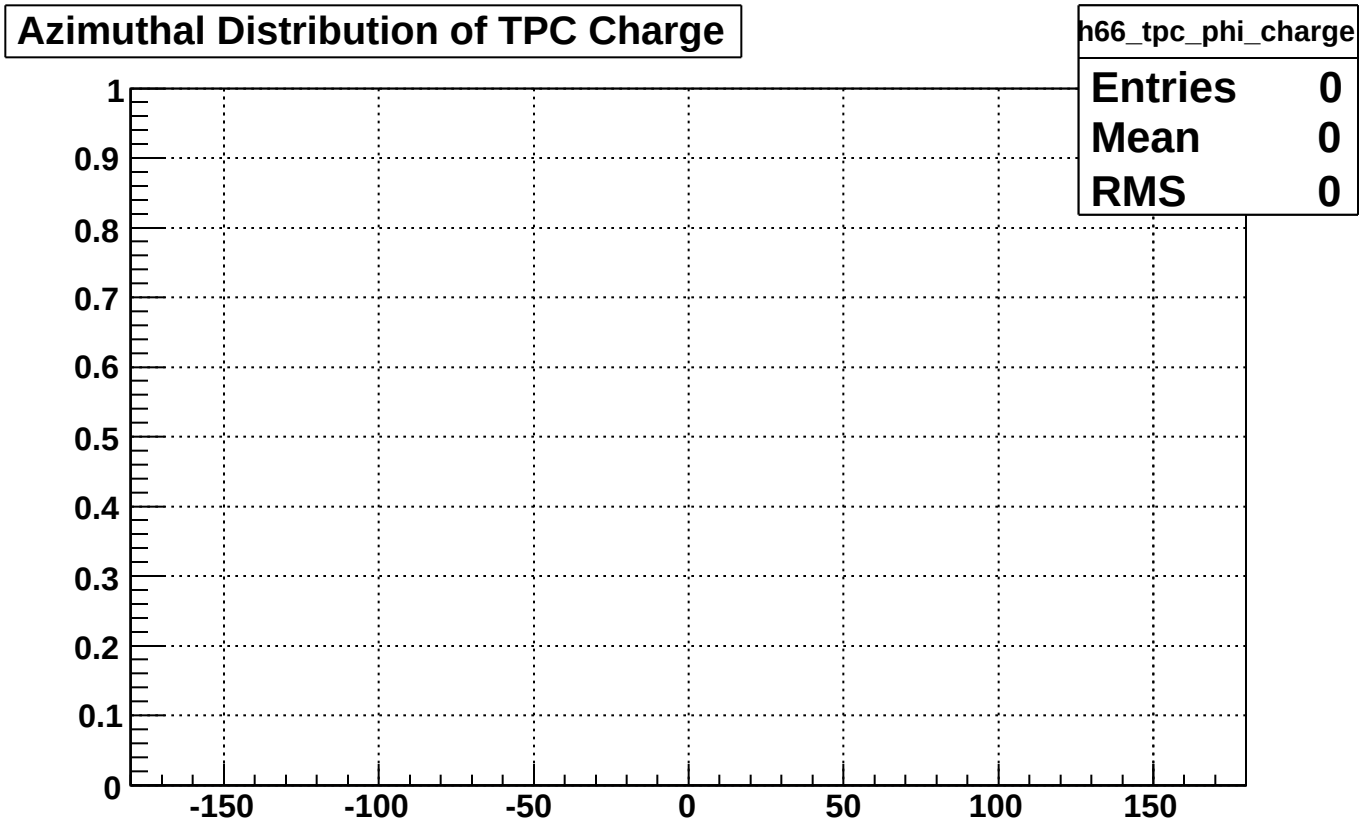
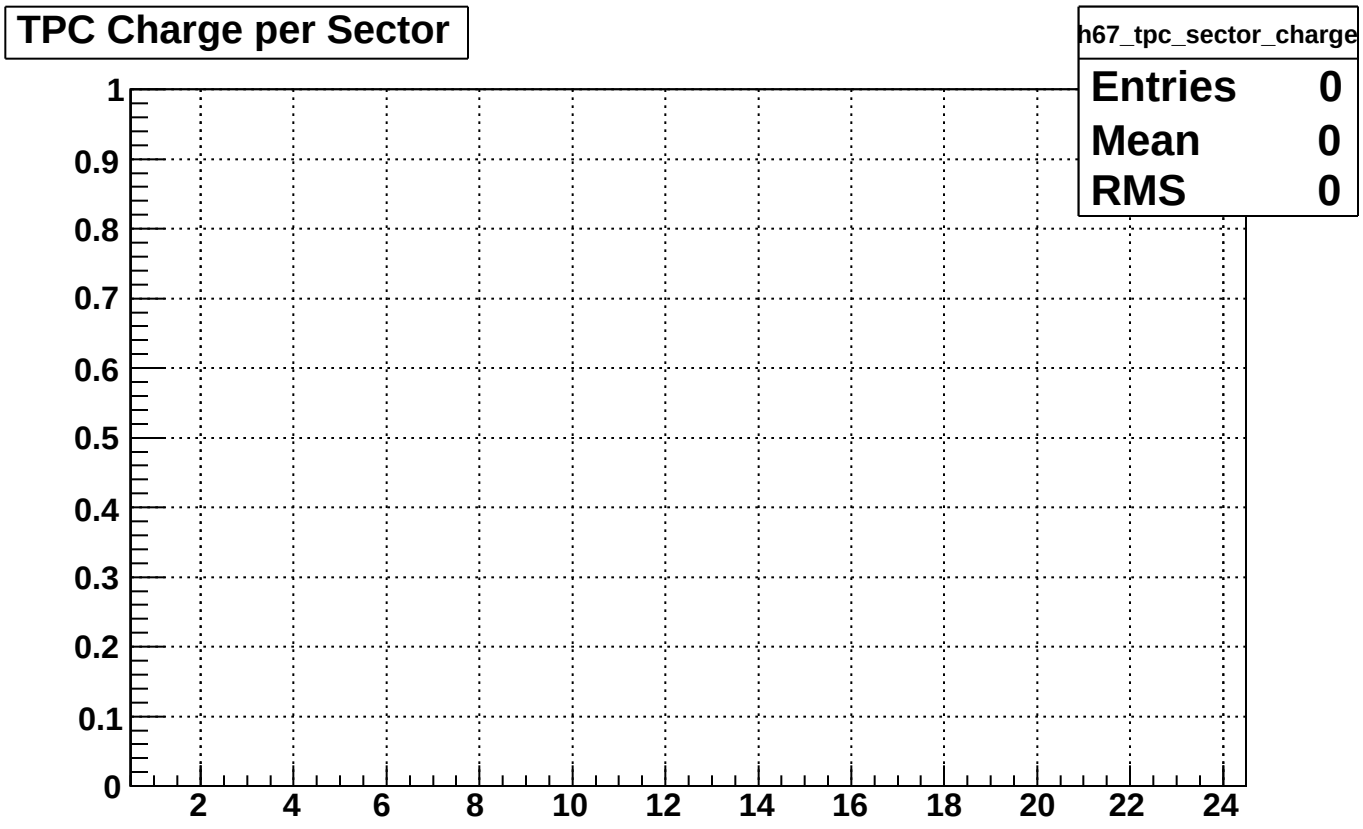
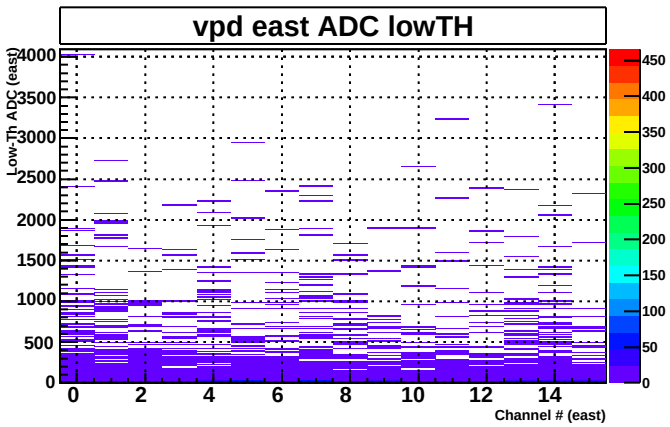
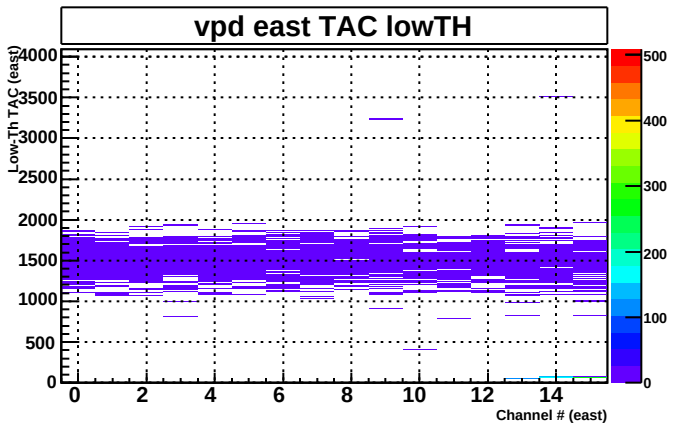
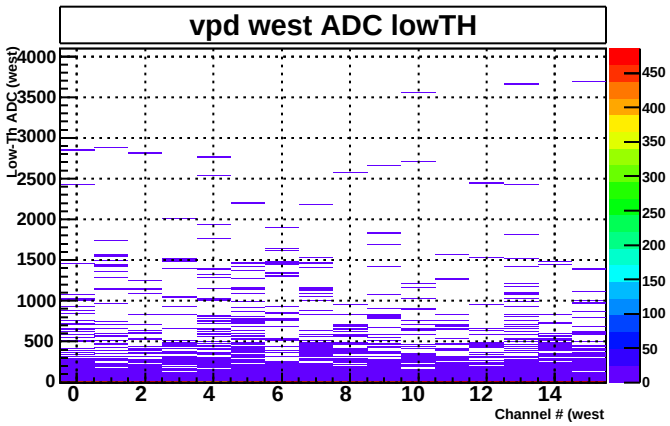
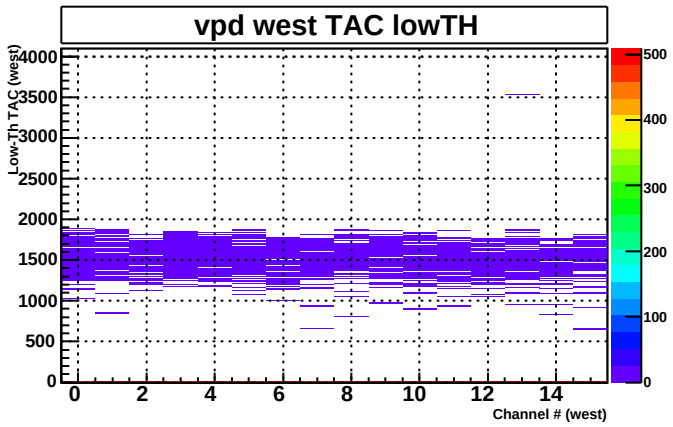

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-150
-100
-50
0
50
100
150

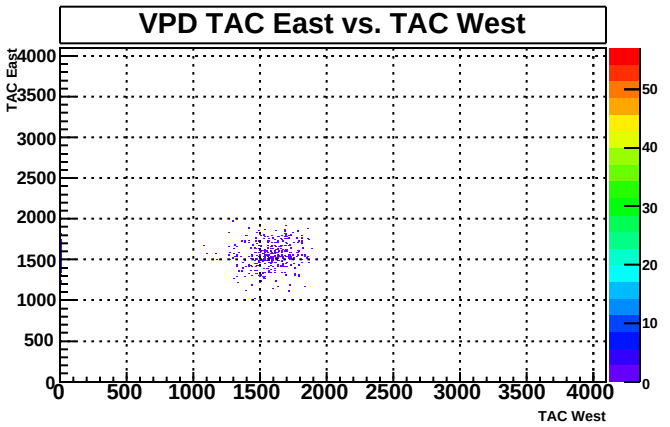

TPC Charge per Sector
h67_tpc_sector_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2
4
6
8
10
12
14
16
18
20
22
24

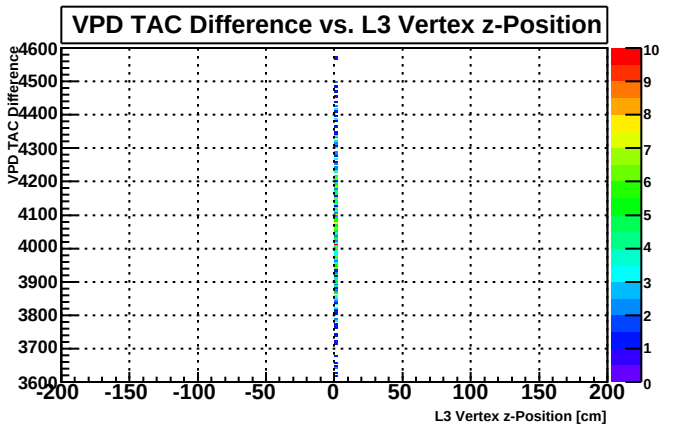

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

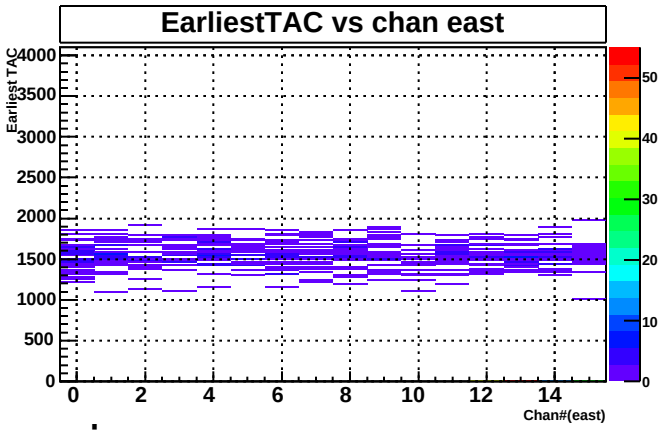

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

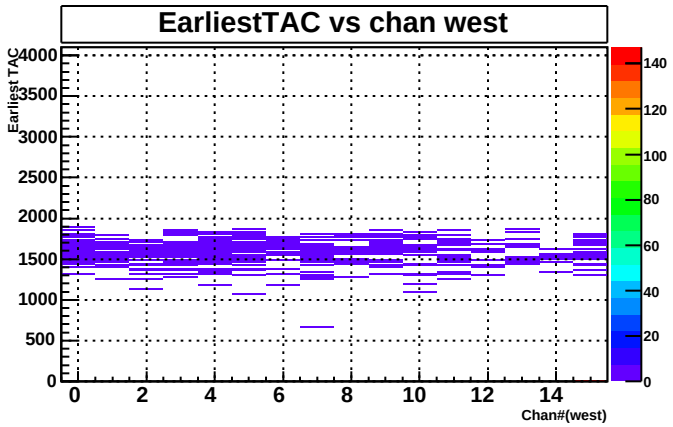

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

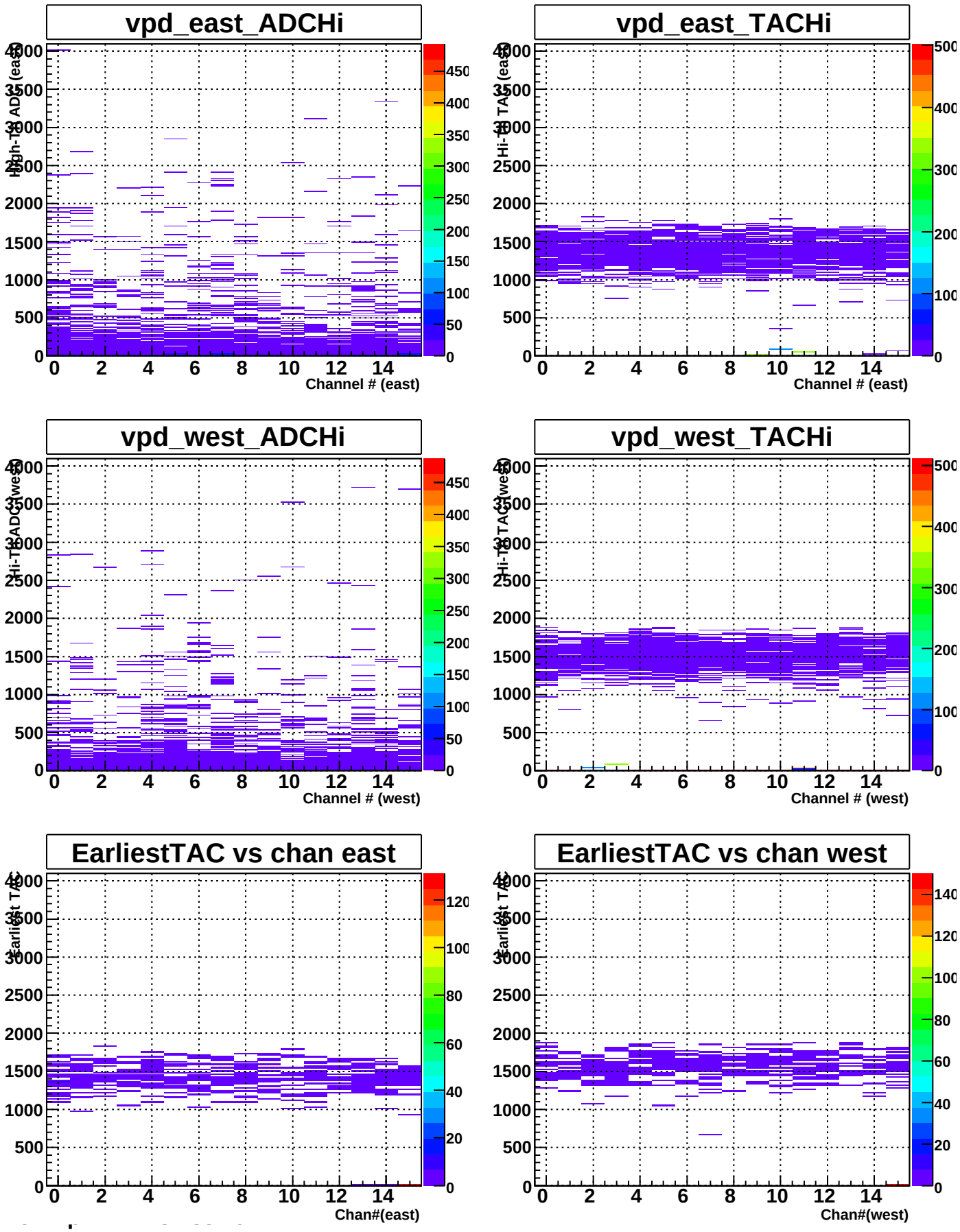

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

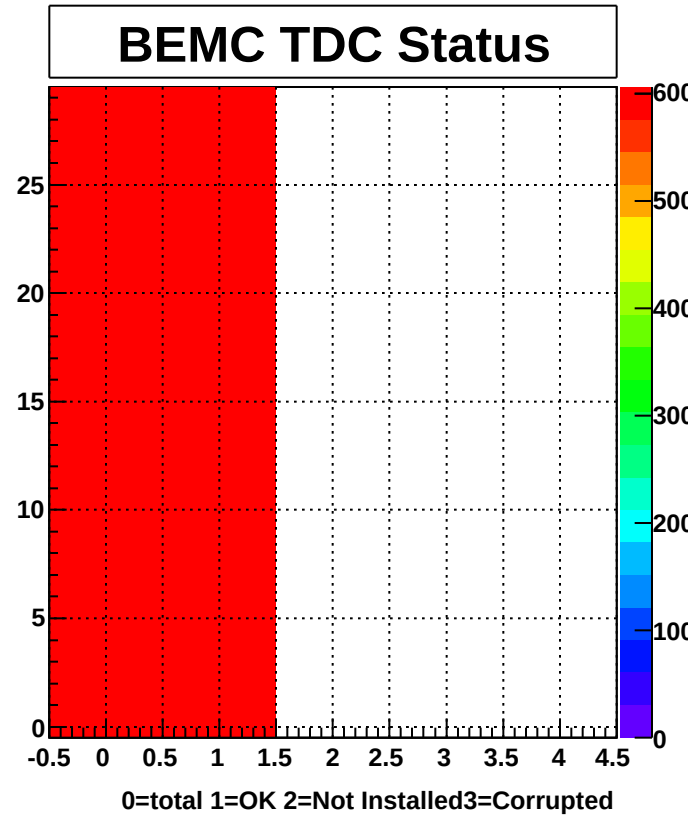

VPD TAC East vs. TAC West
TAC East
TAC West

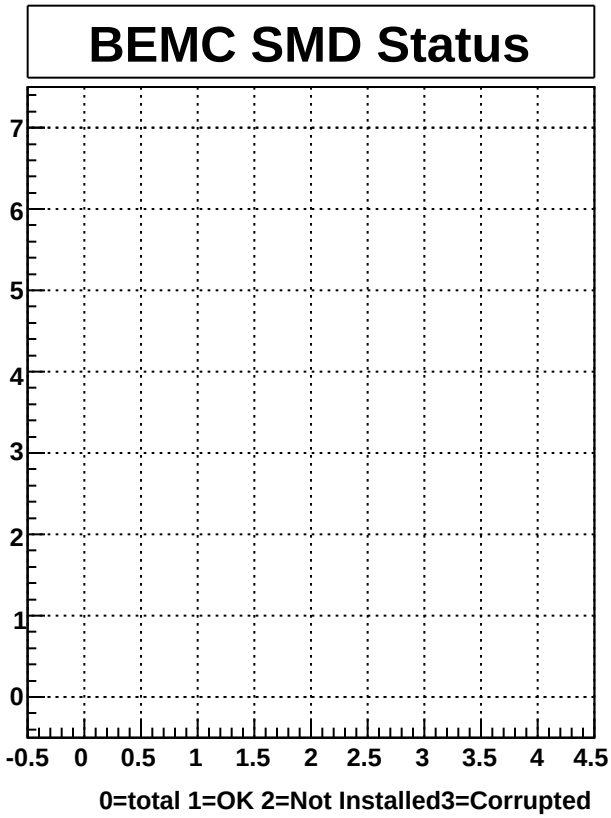

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

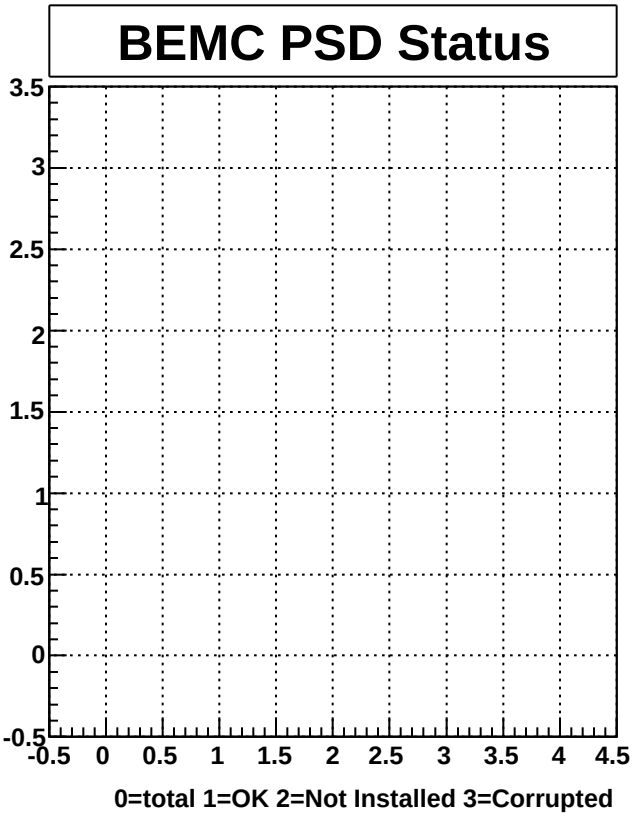

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

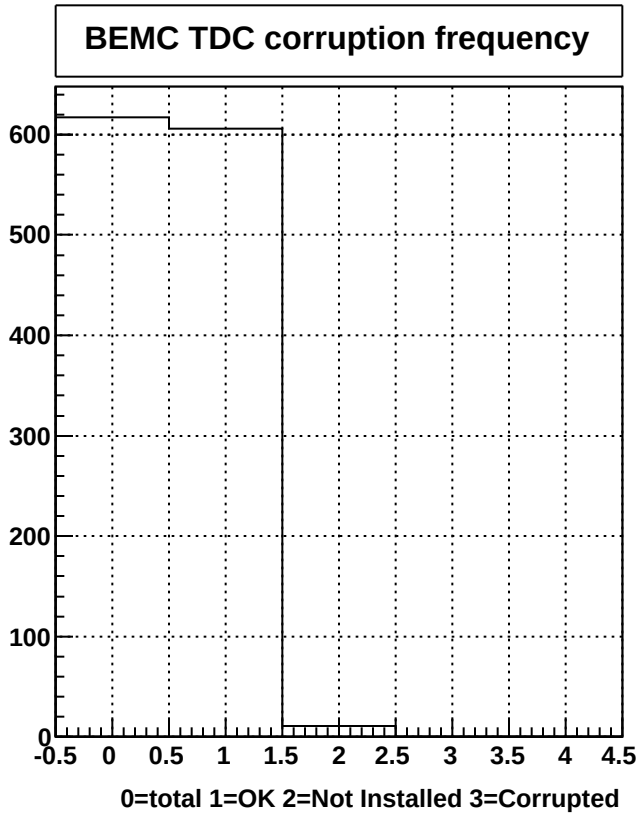

EarliestTAC vs chan west
Earliest TAC
Chan#(west)


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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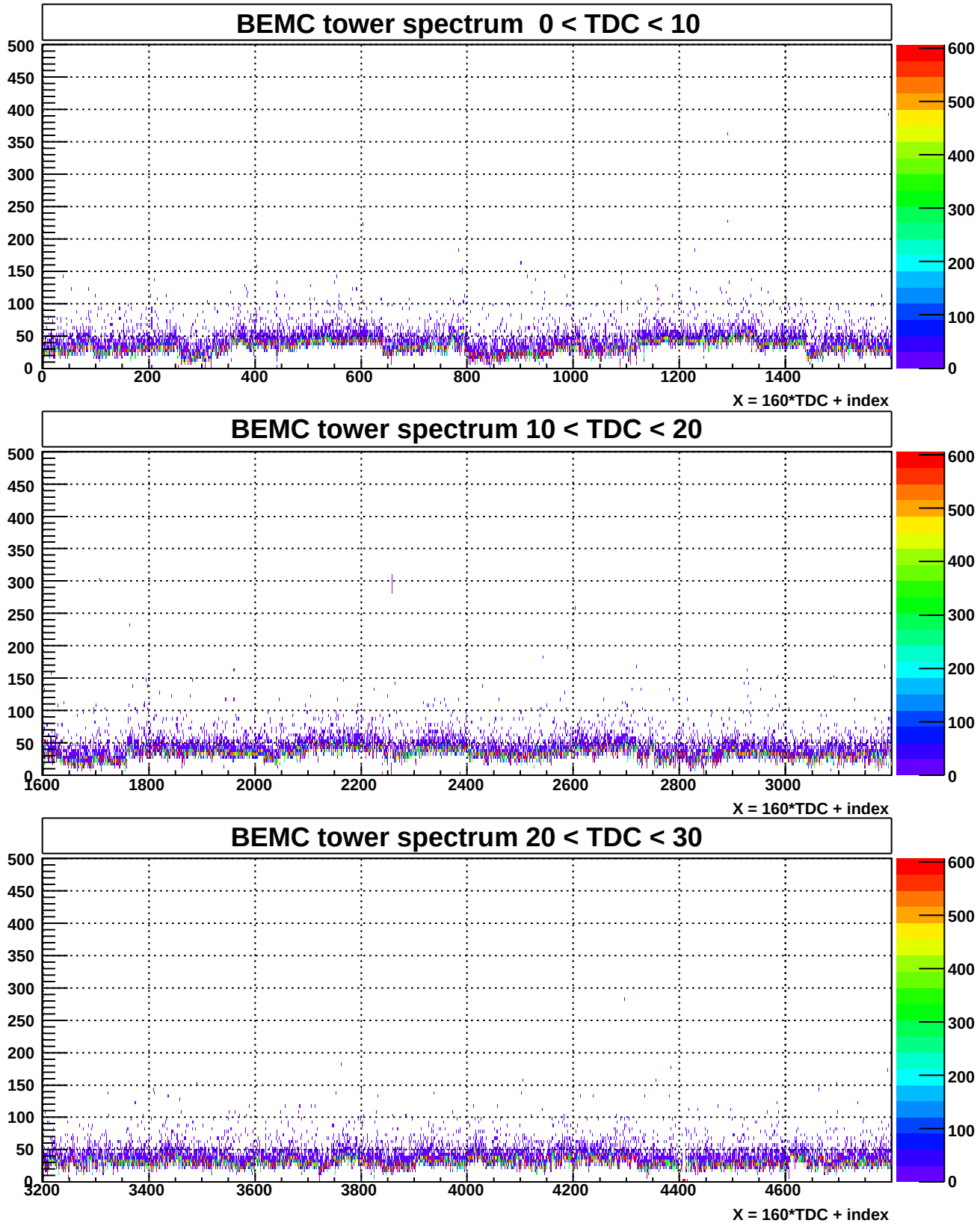


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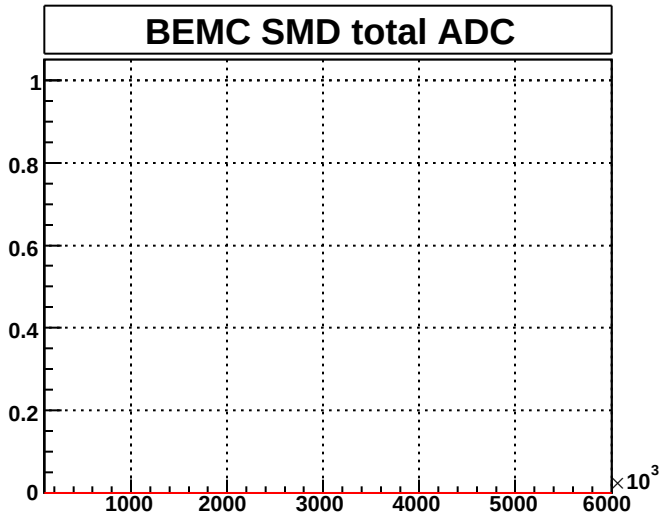


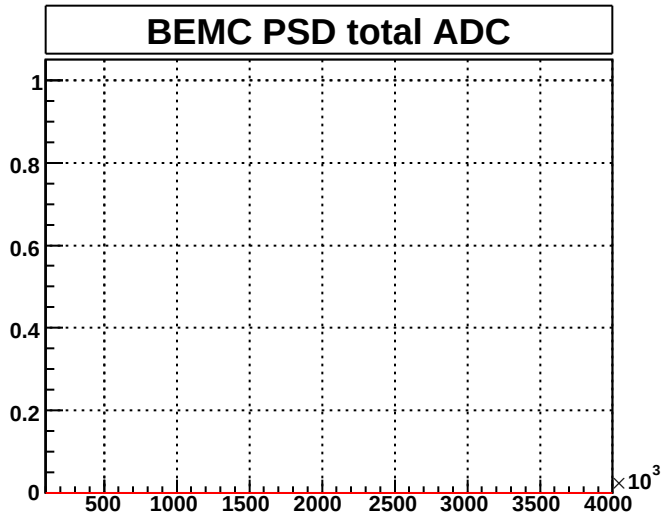


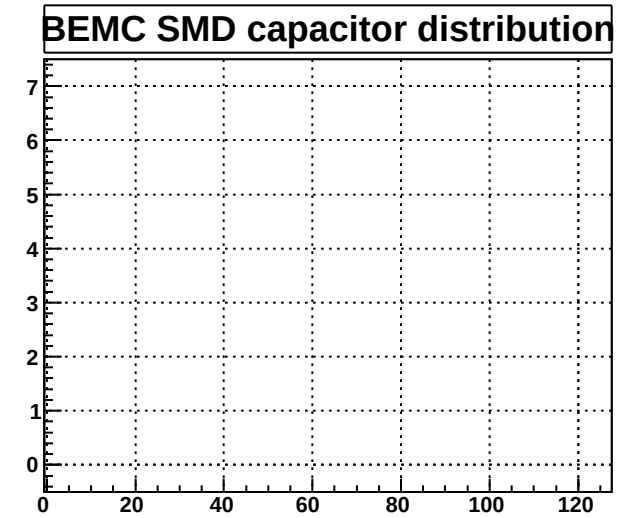


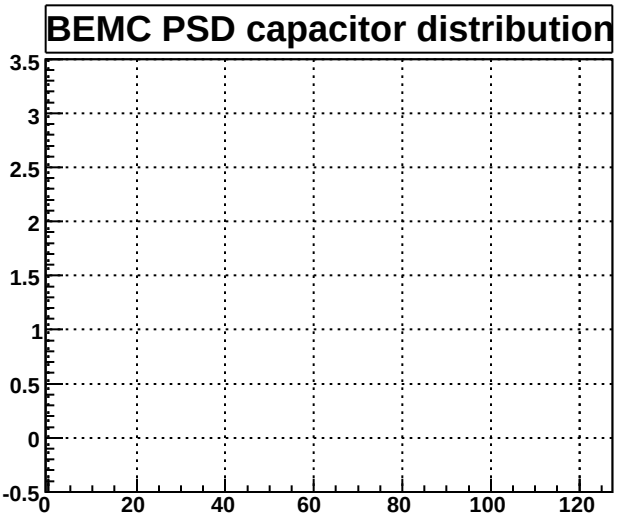


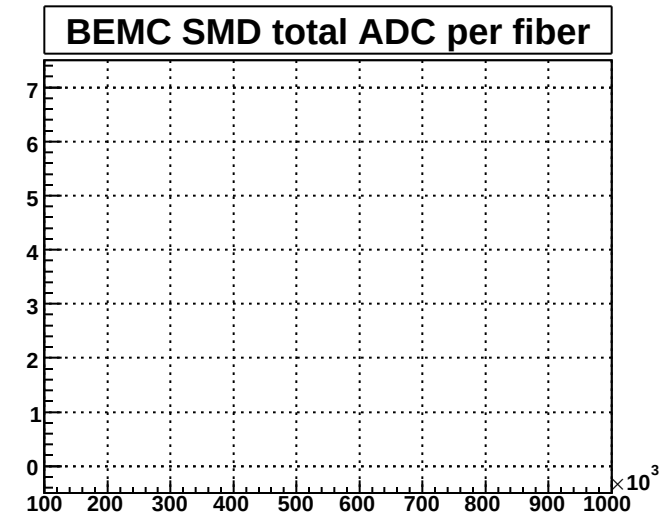


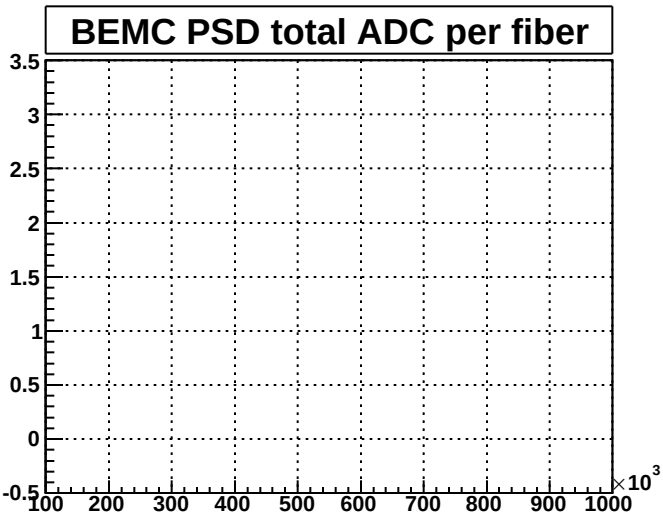


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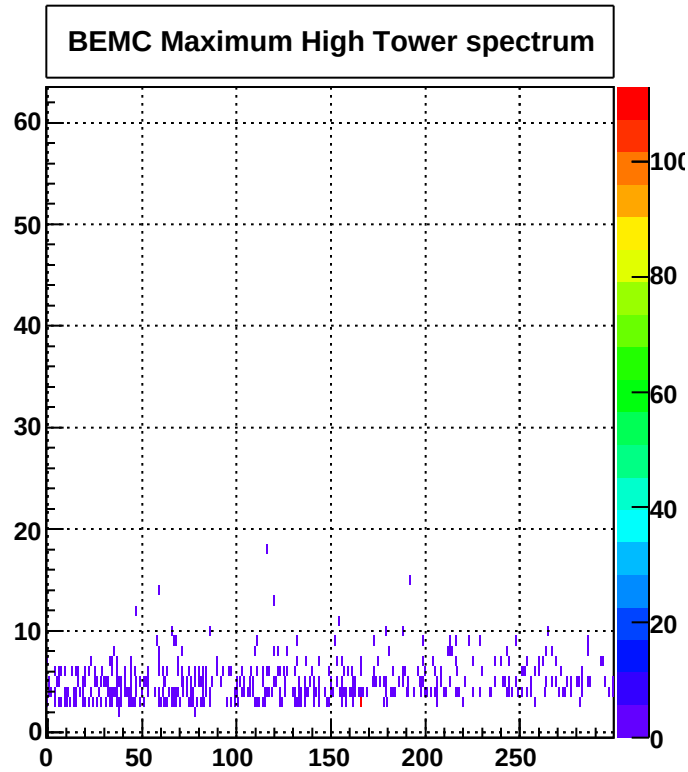


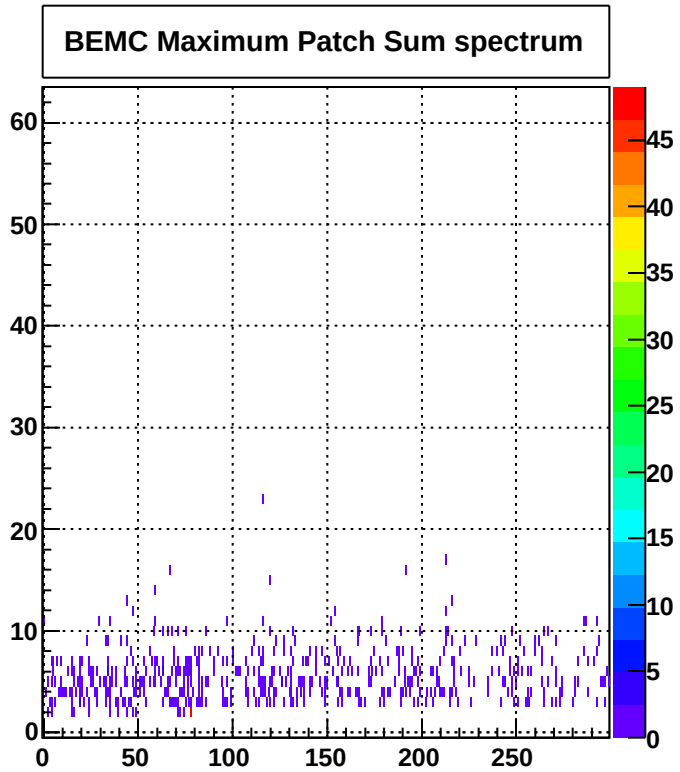


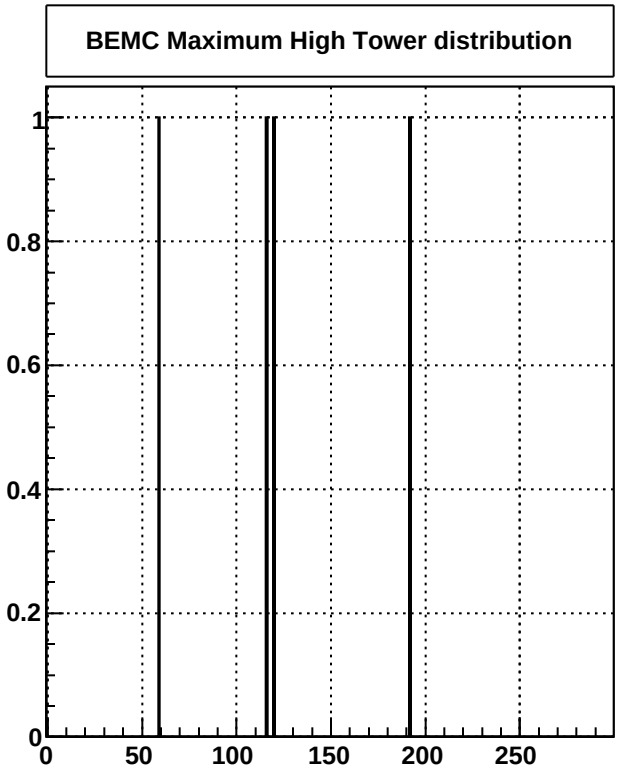


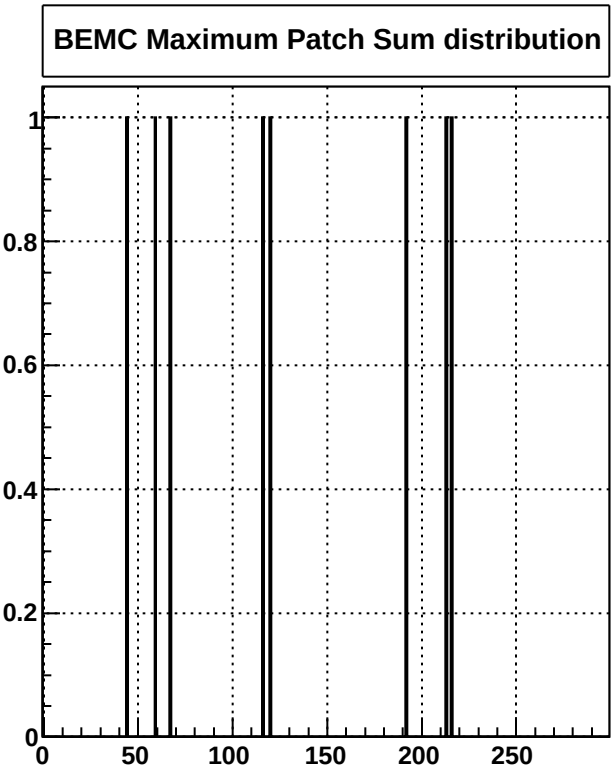


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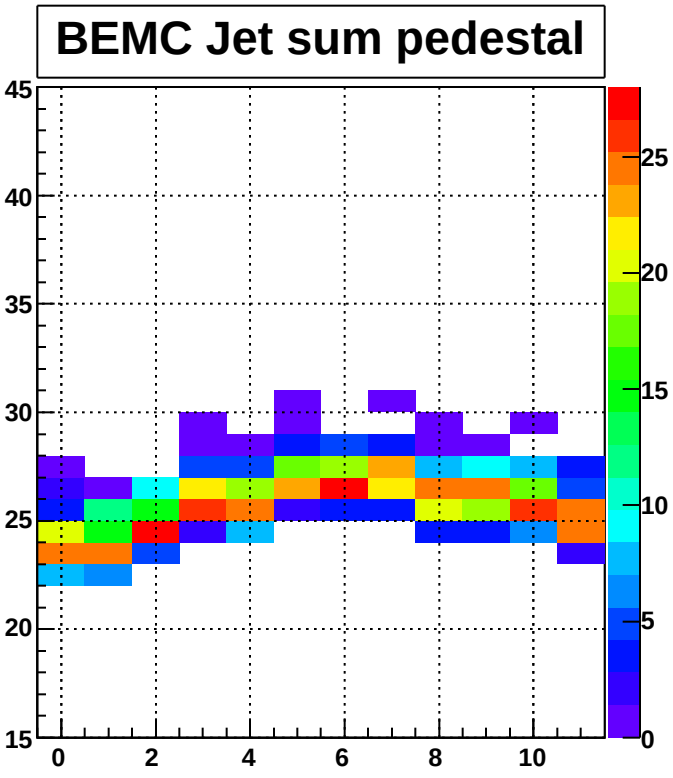


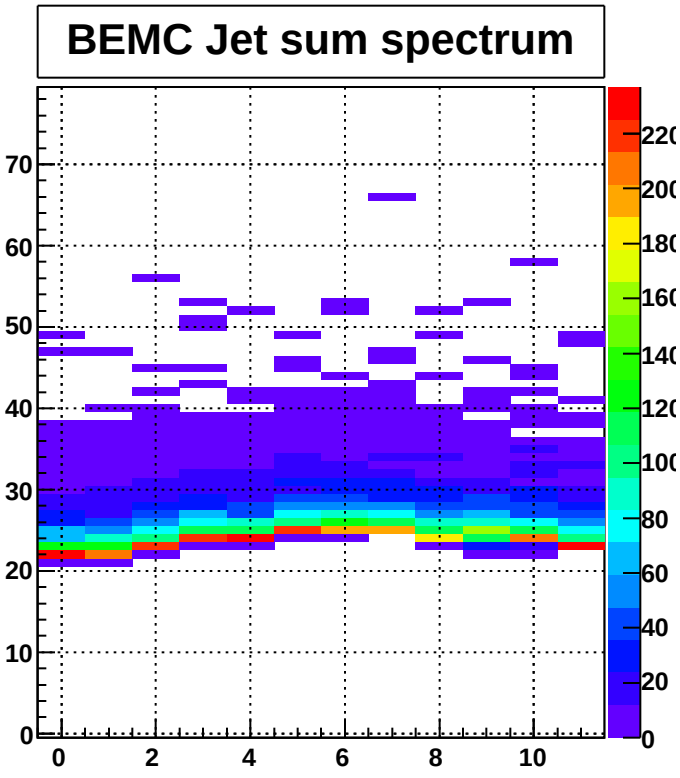


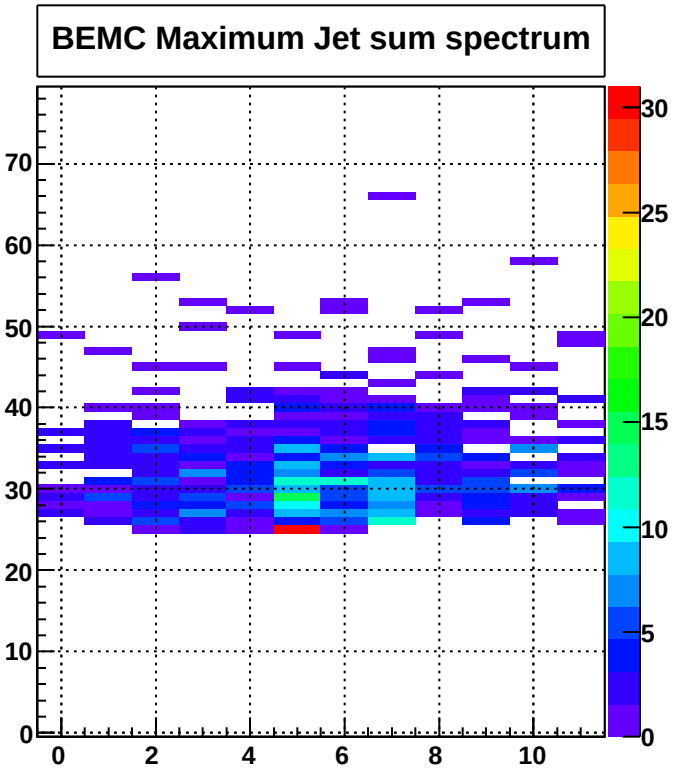


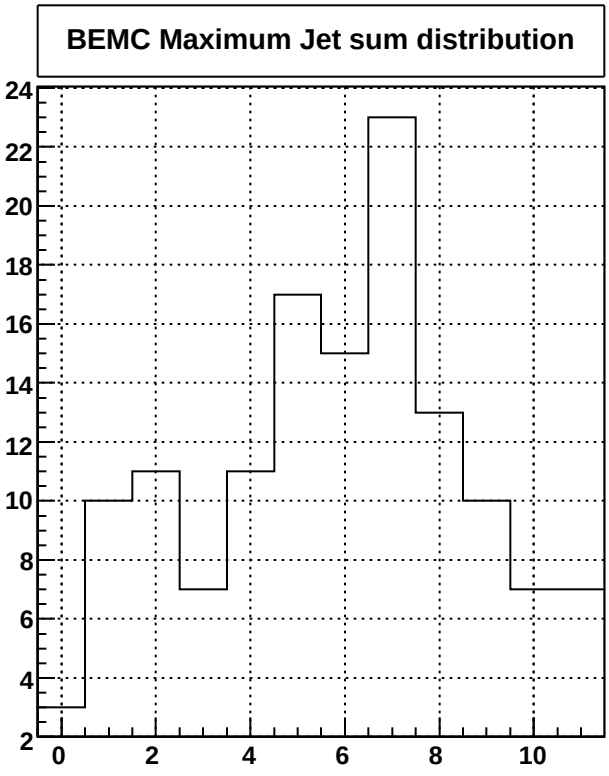


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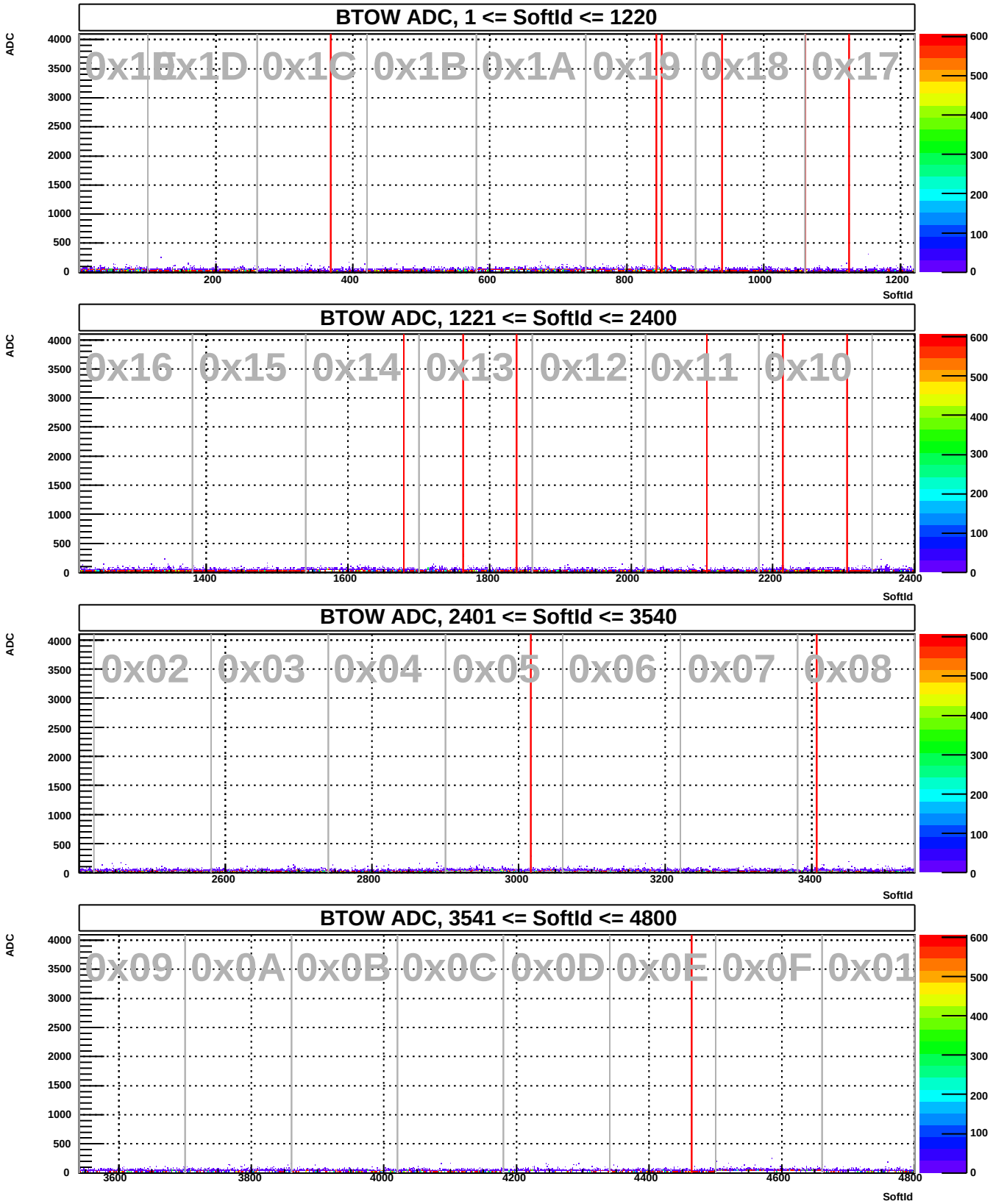


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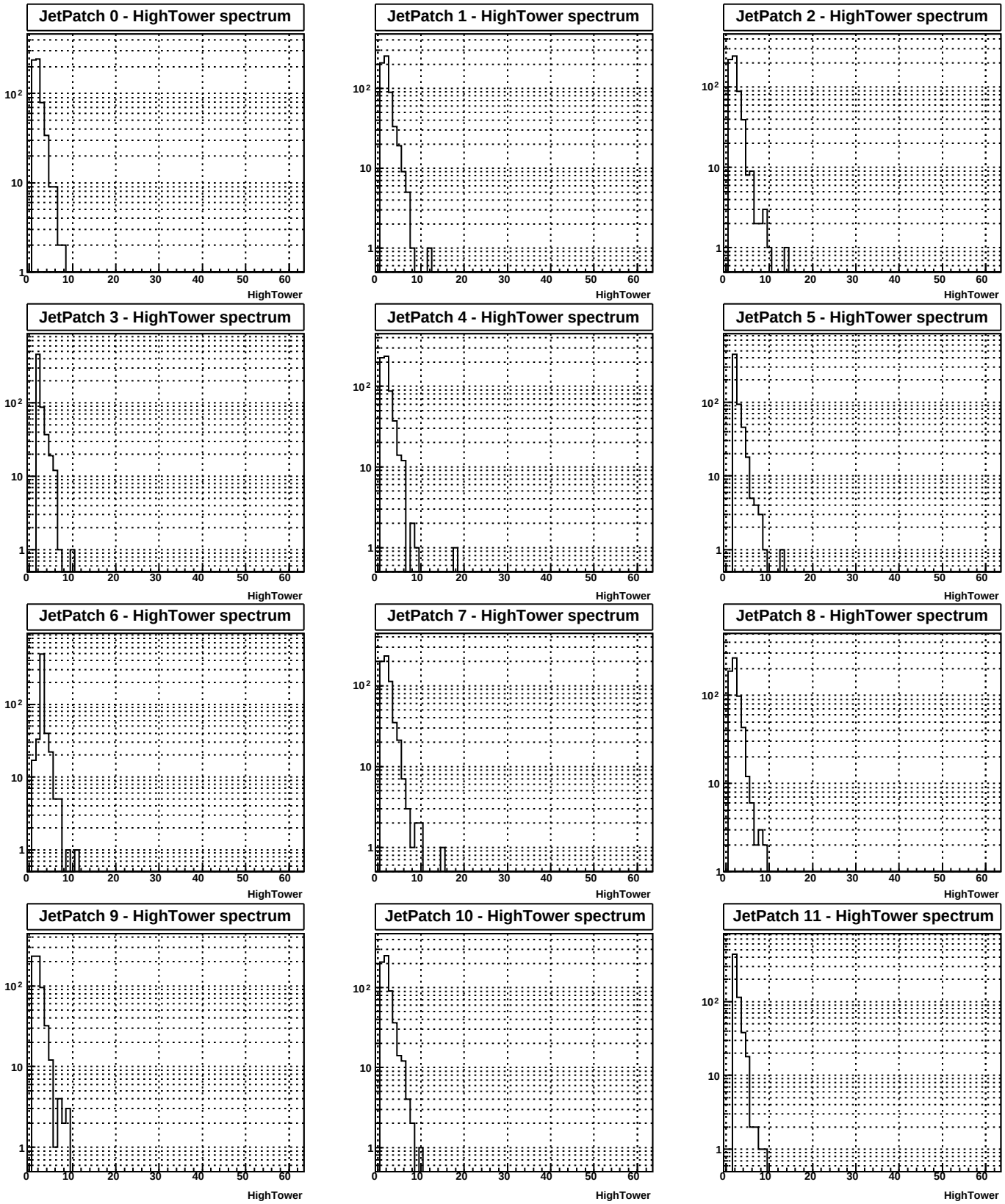
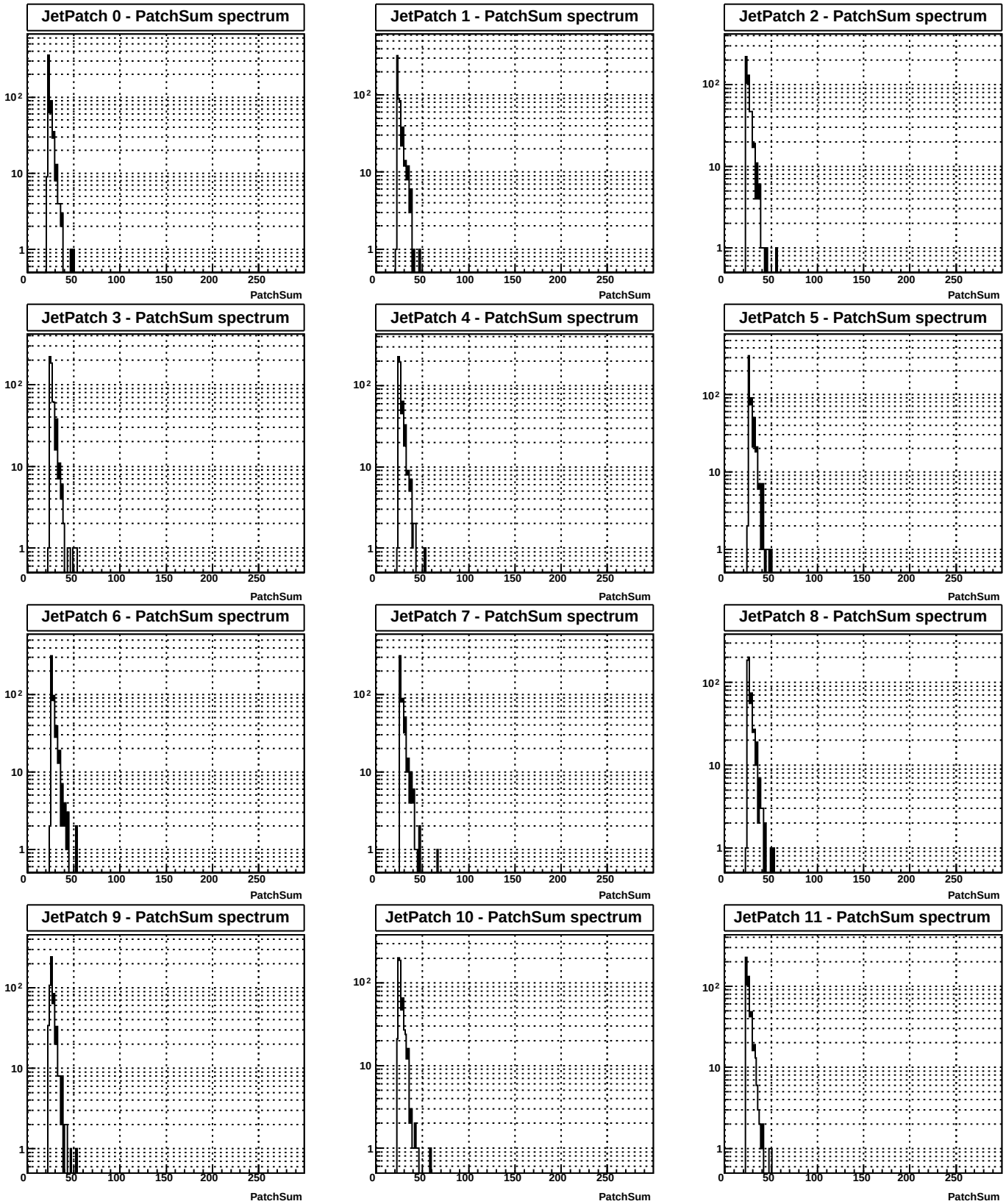
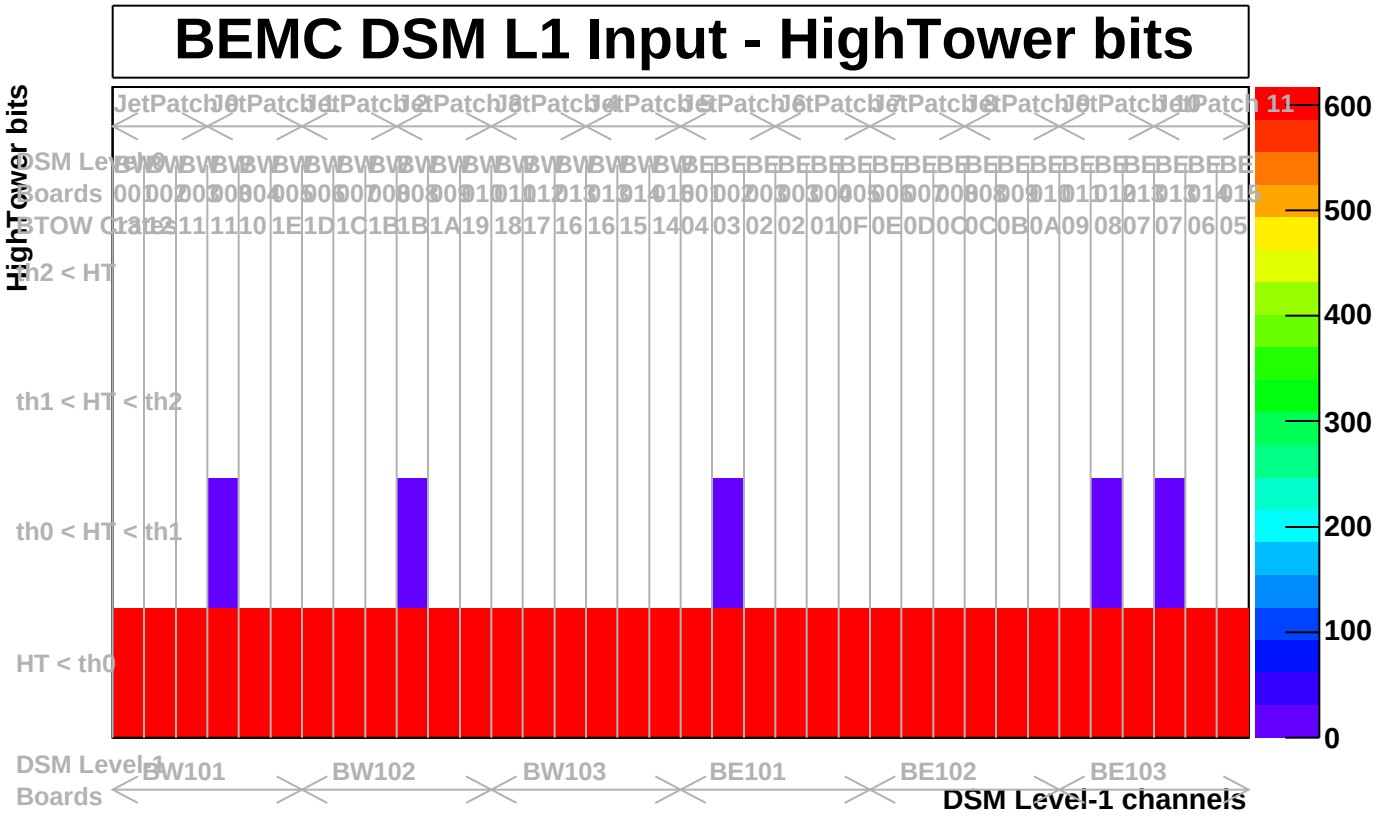
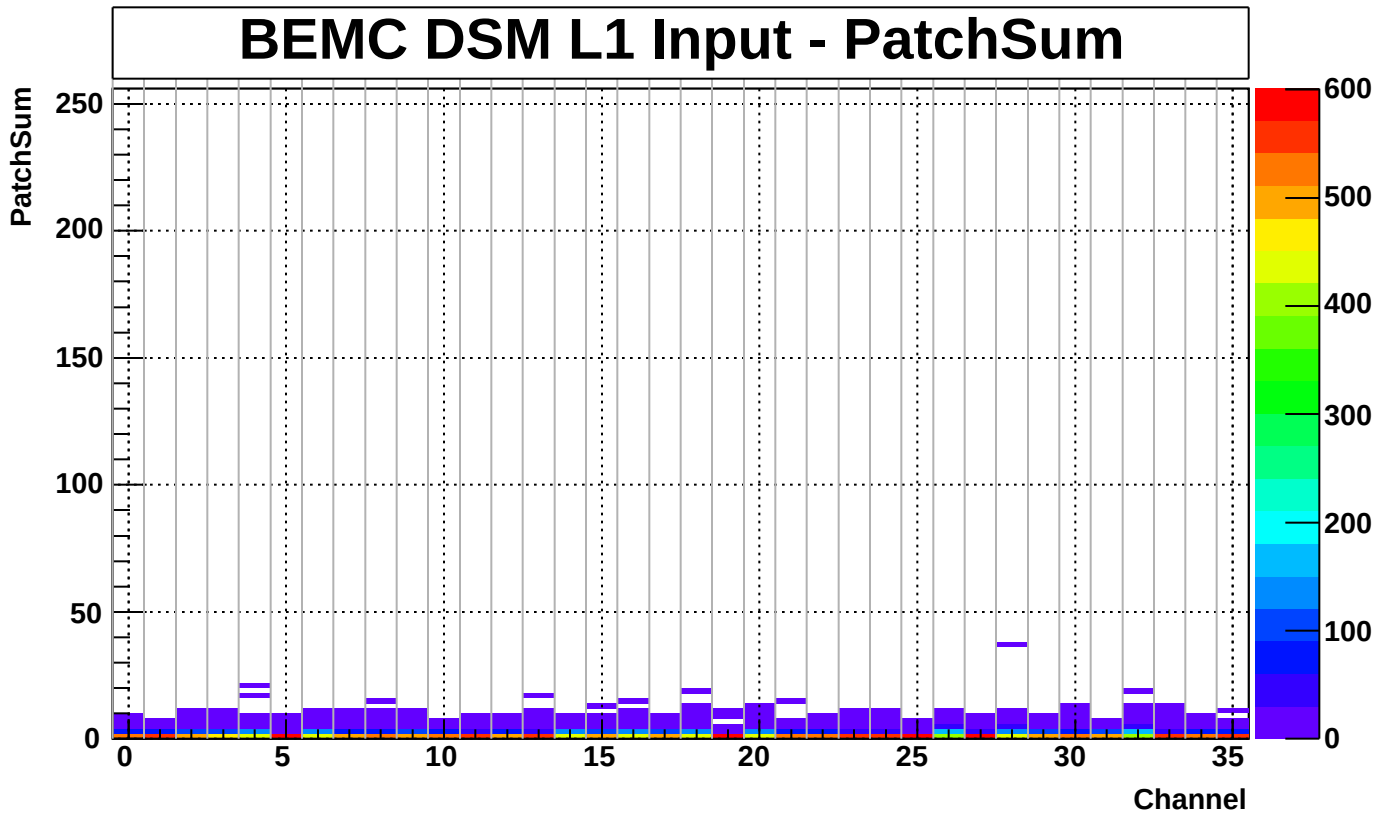



**Mon Apr 11 21:34:37 2011**




**Mon Apr 11 21:34:37 2011**

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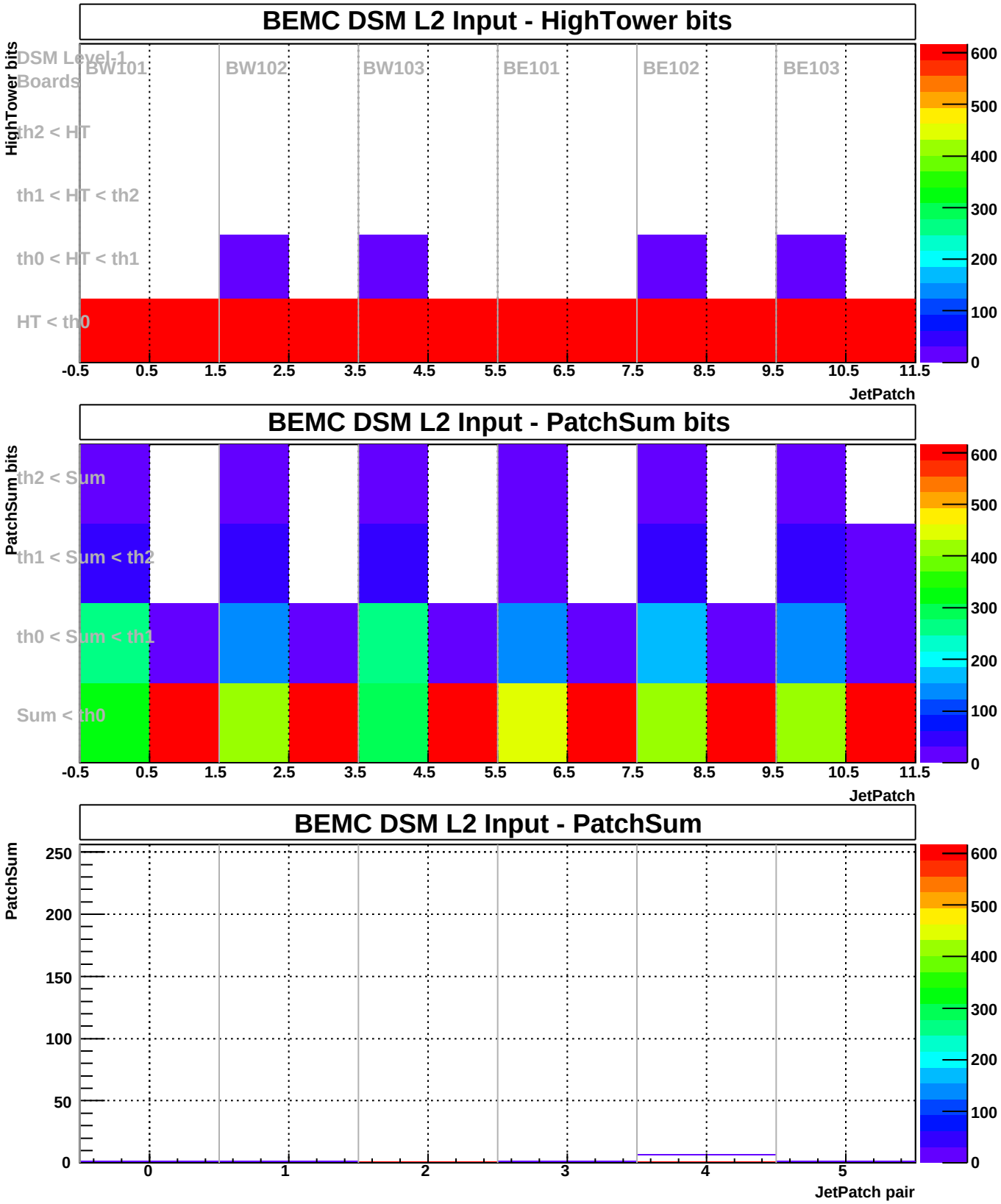


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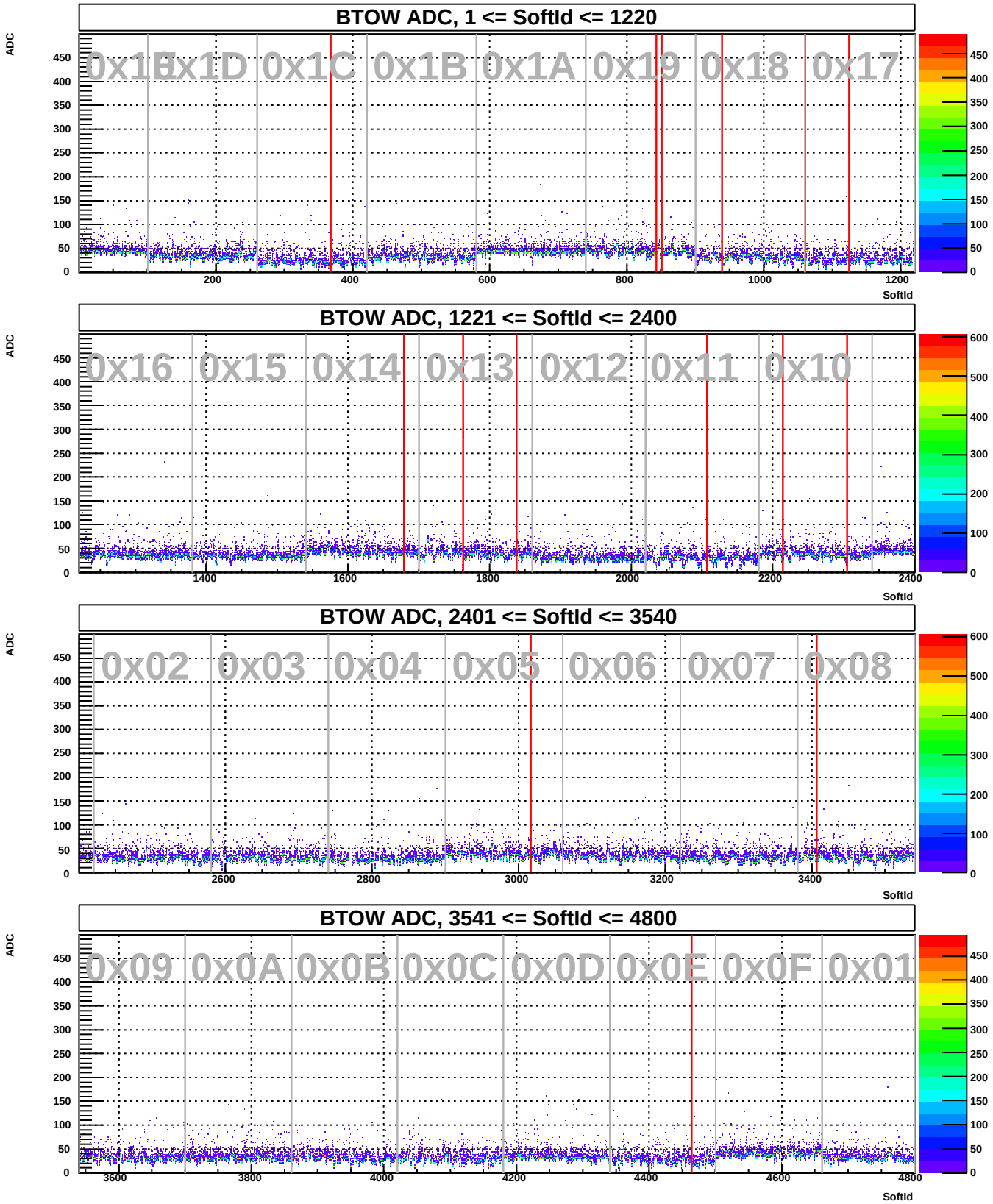
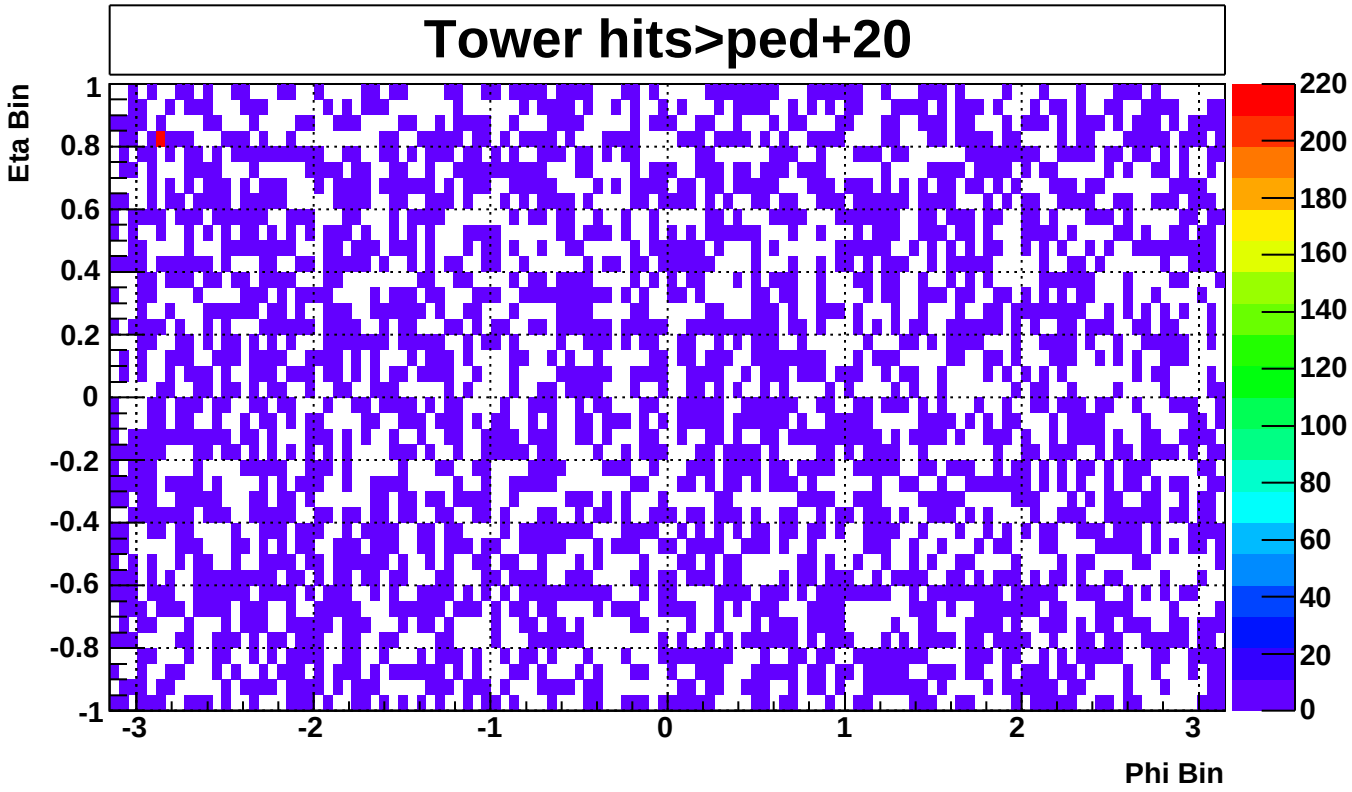
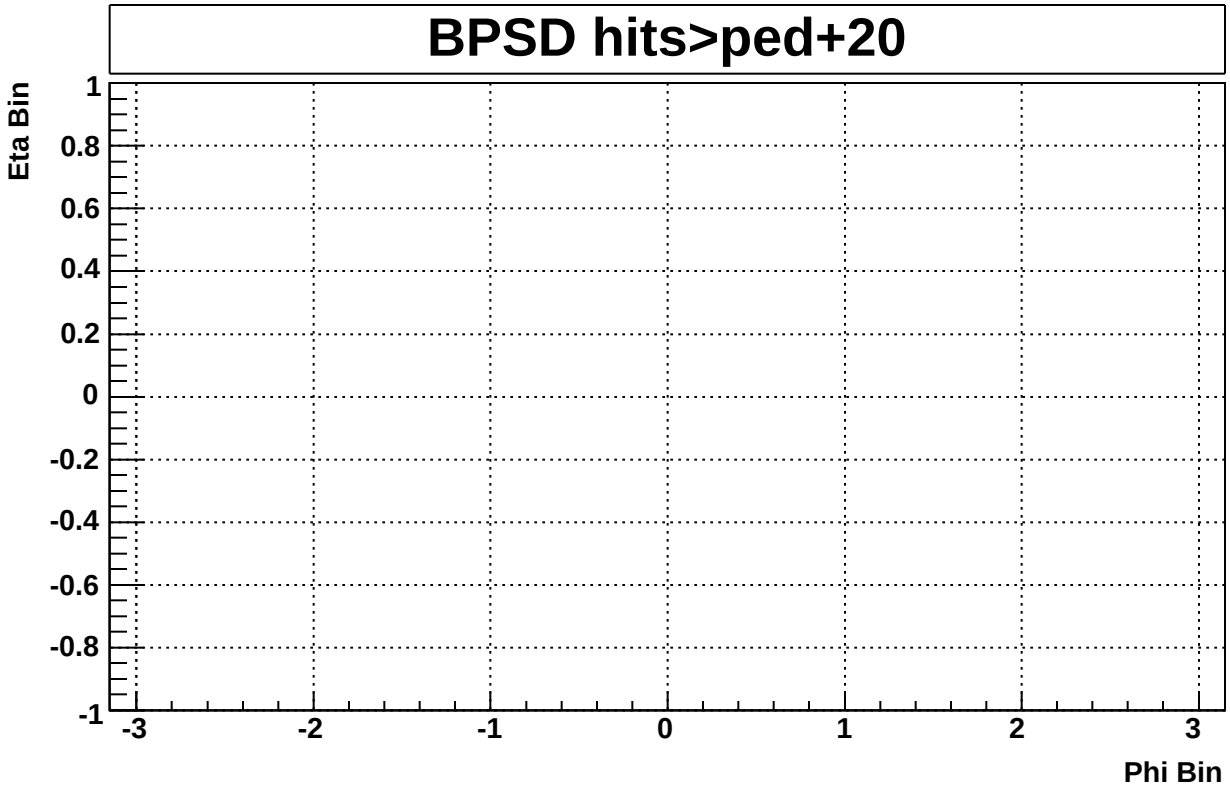



**Mon Apr 11 21:34:38 2011**

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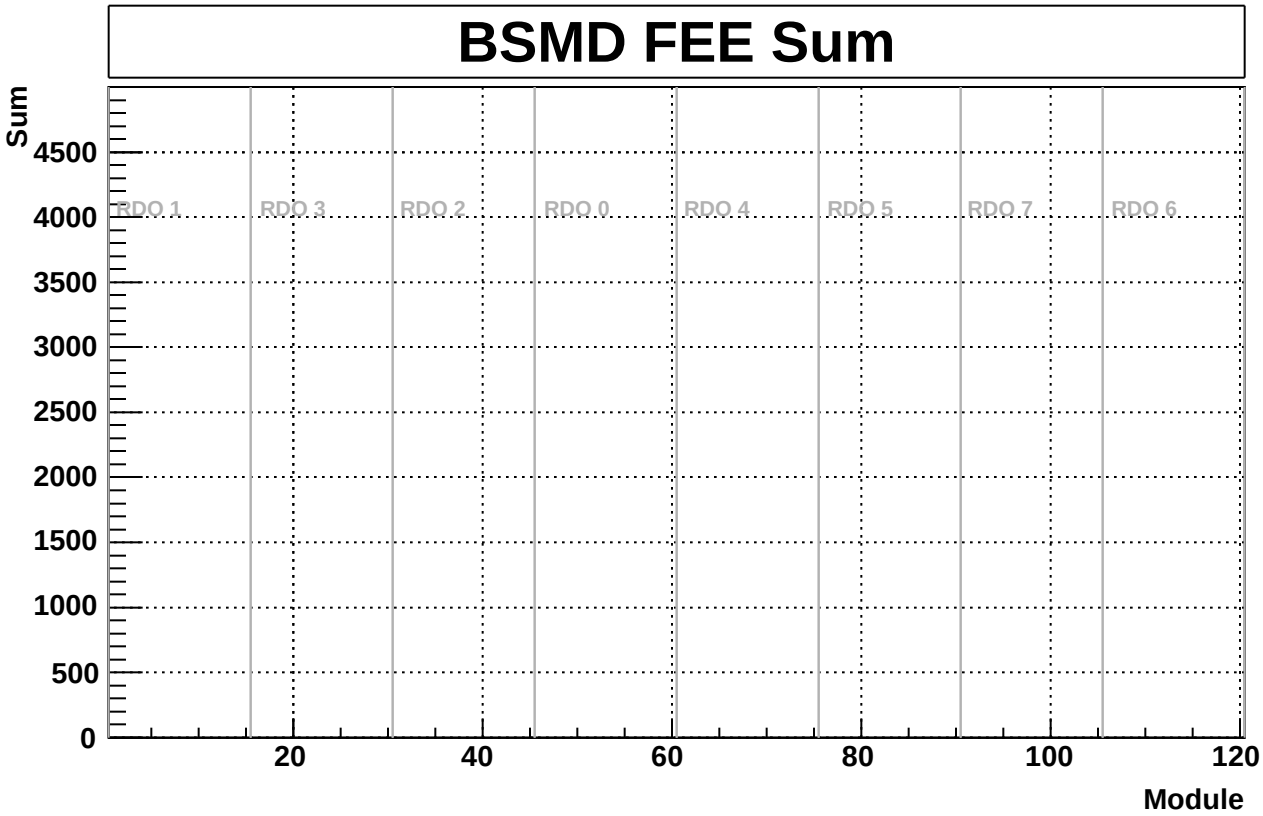


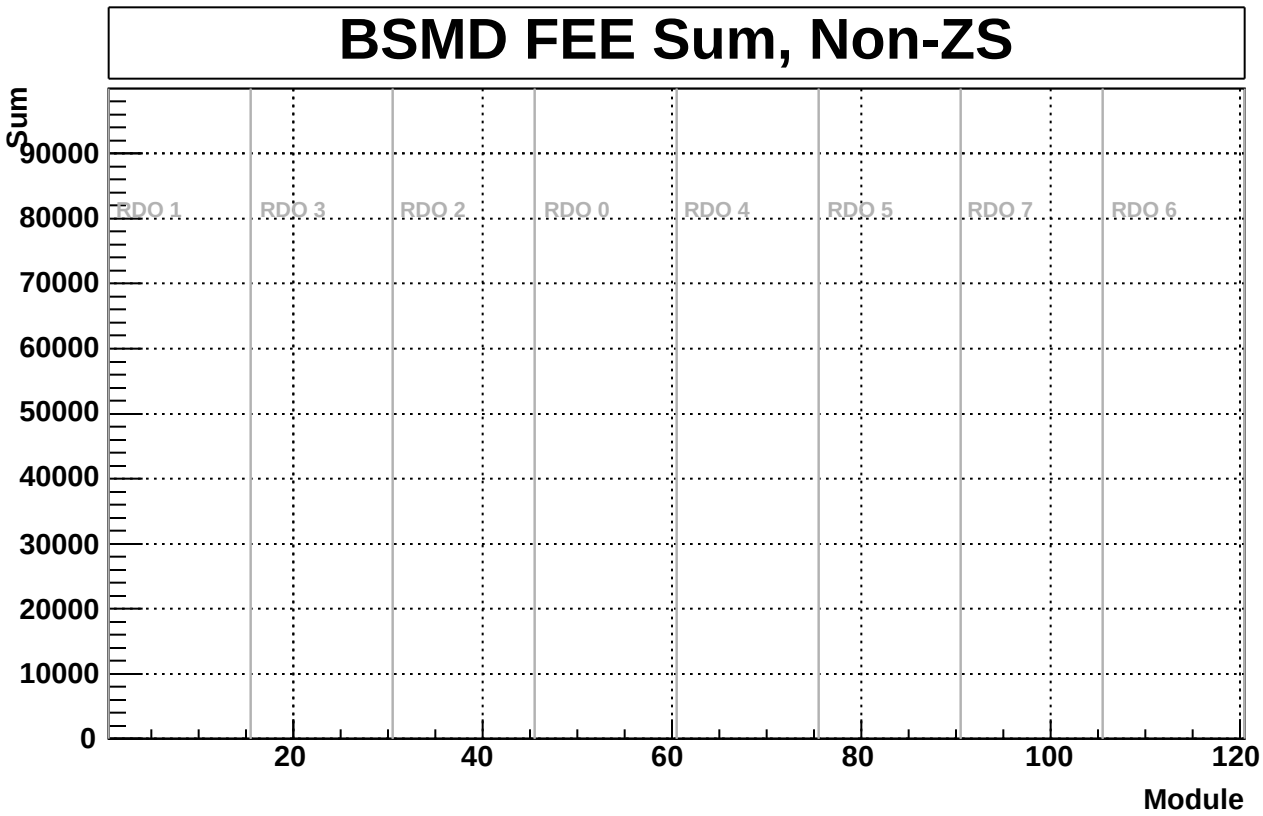


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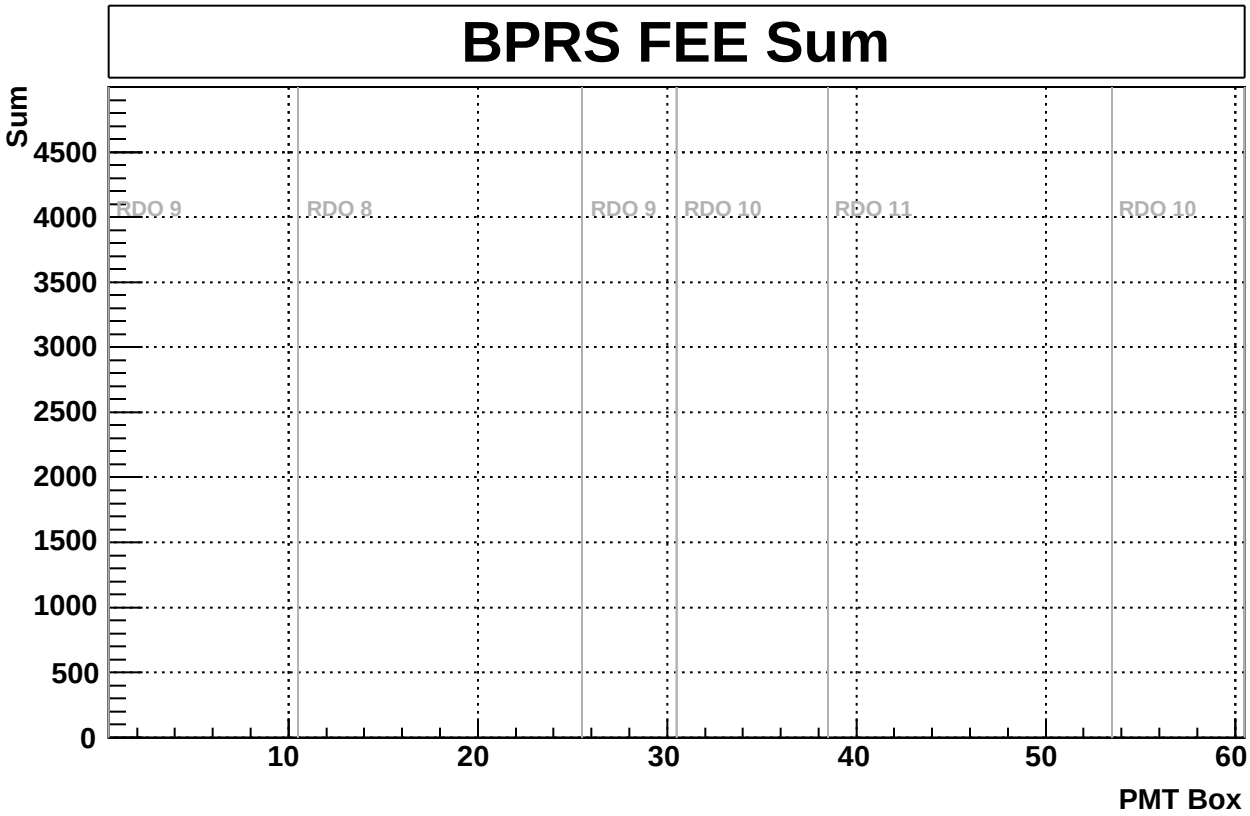


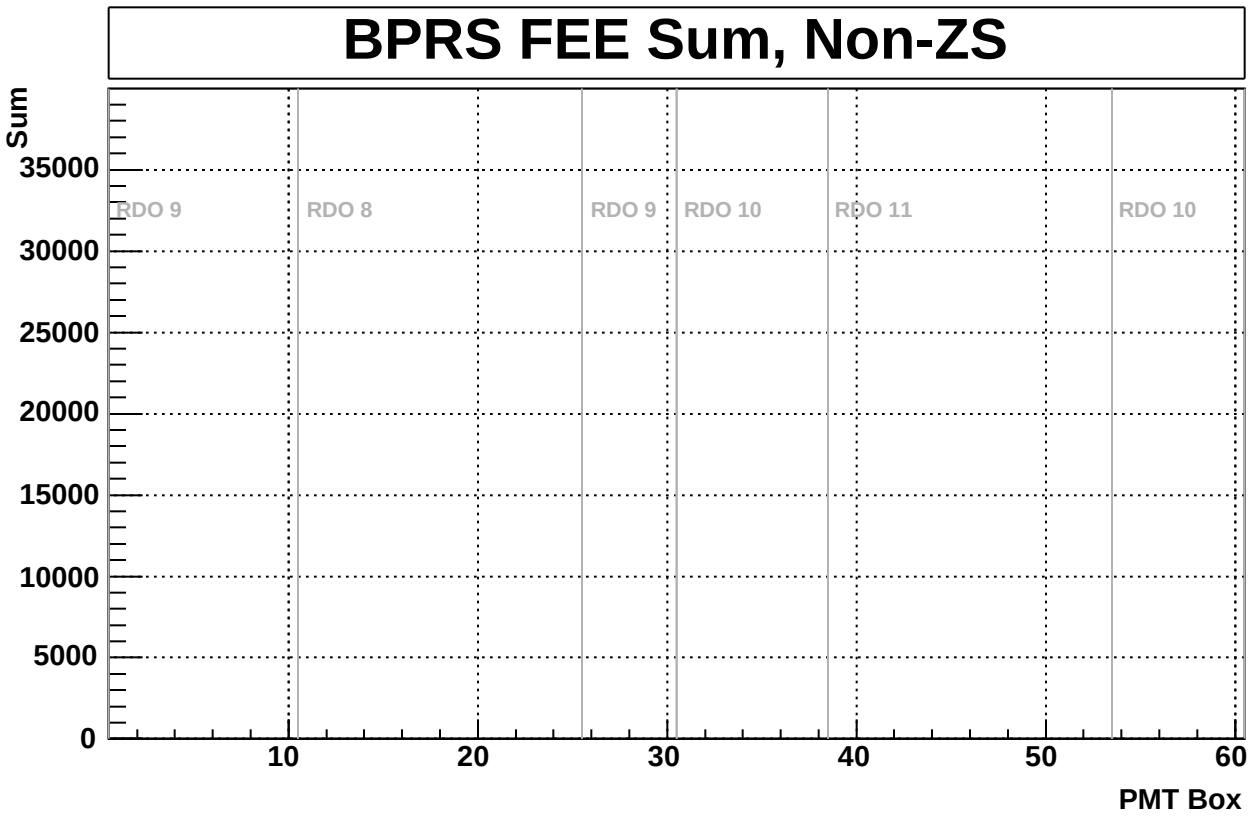


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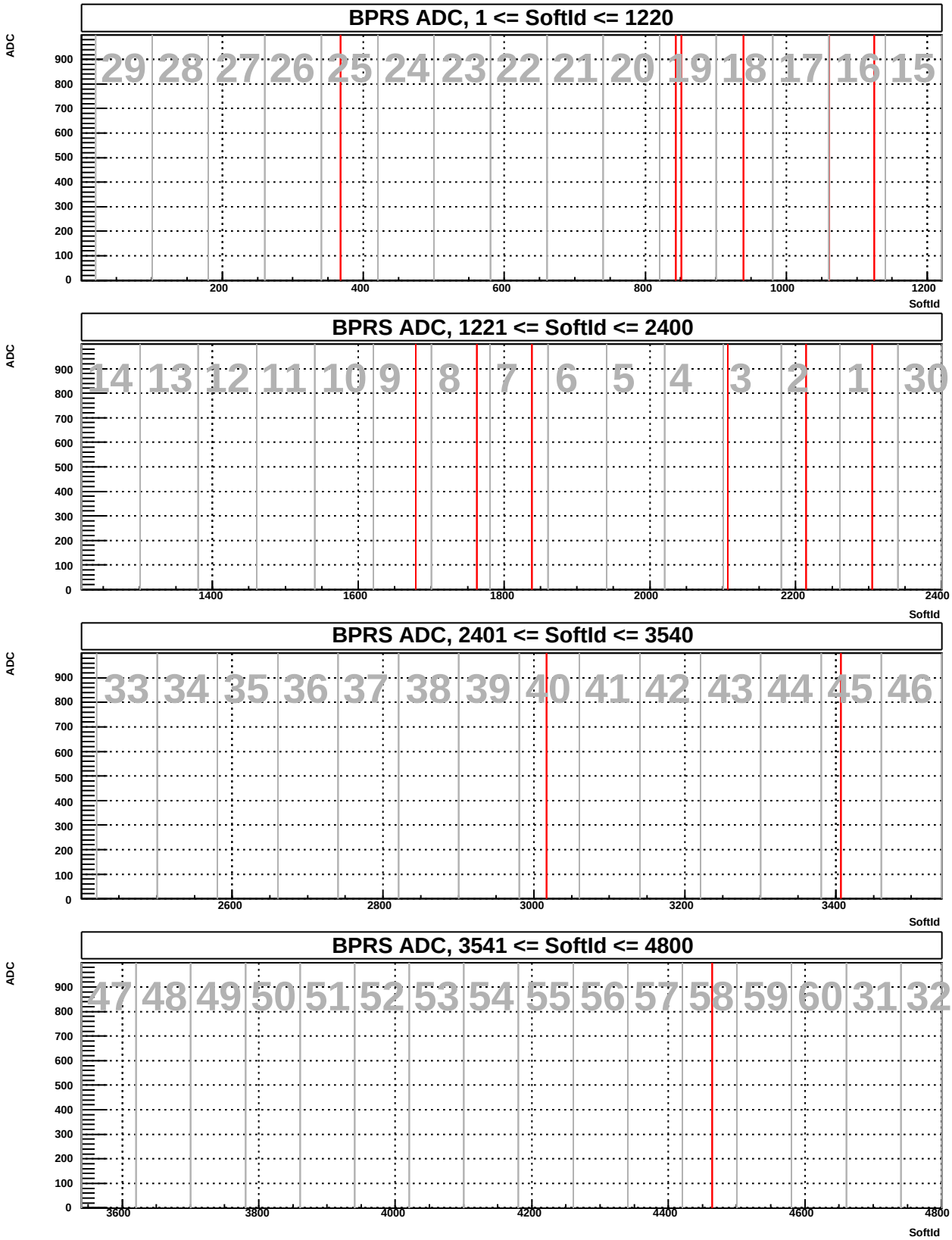


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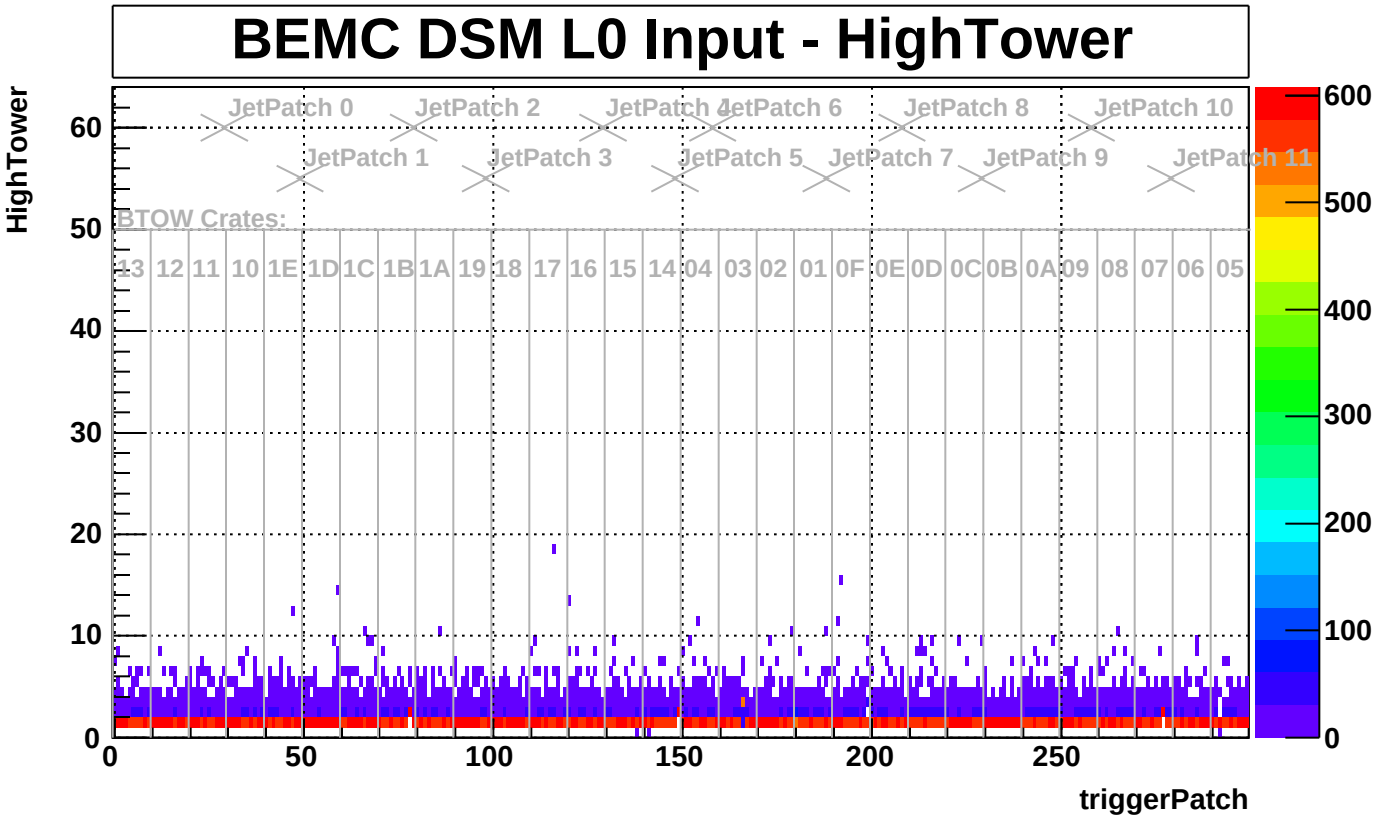


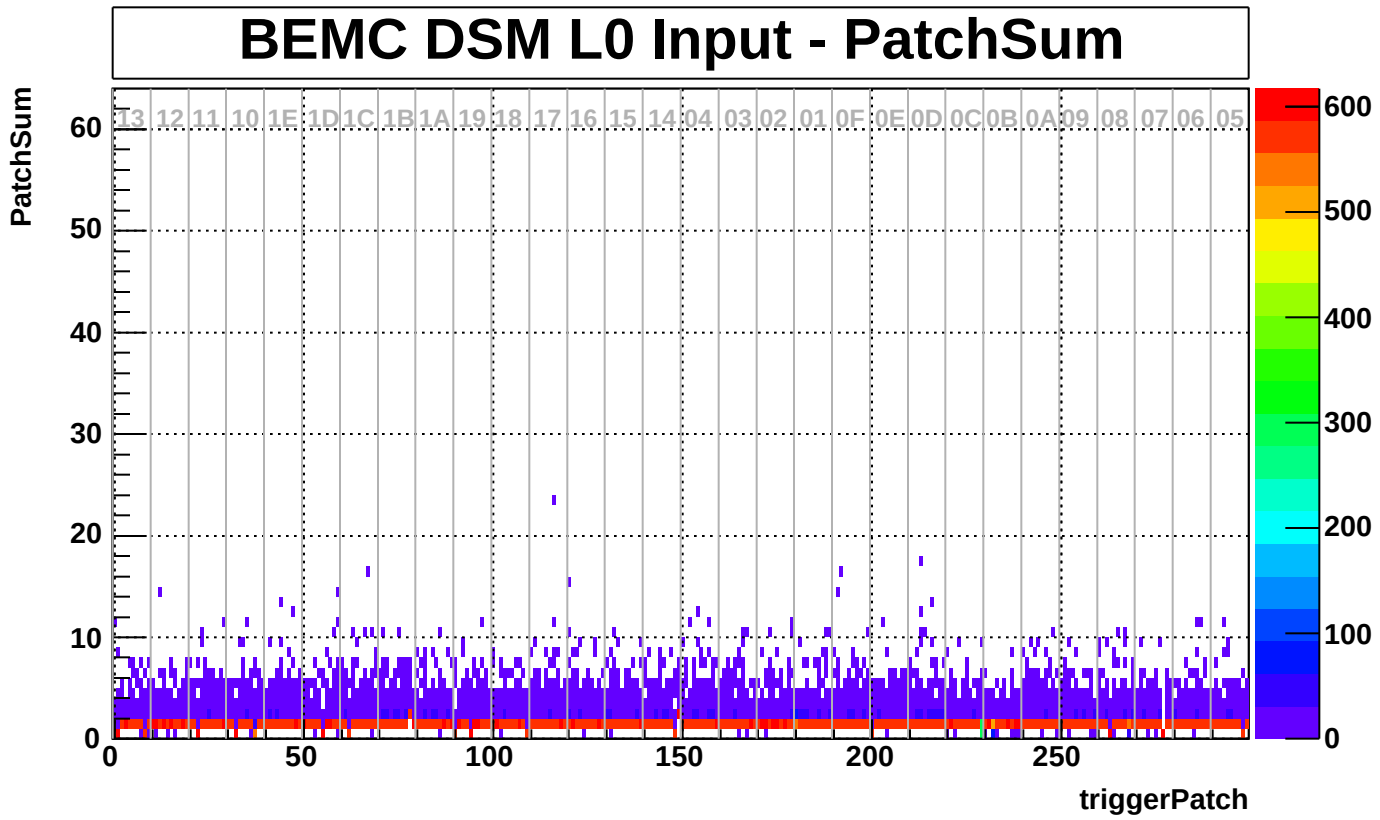


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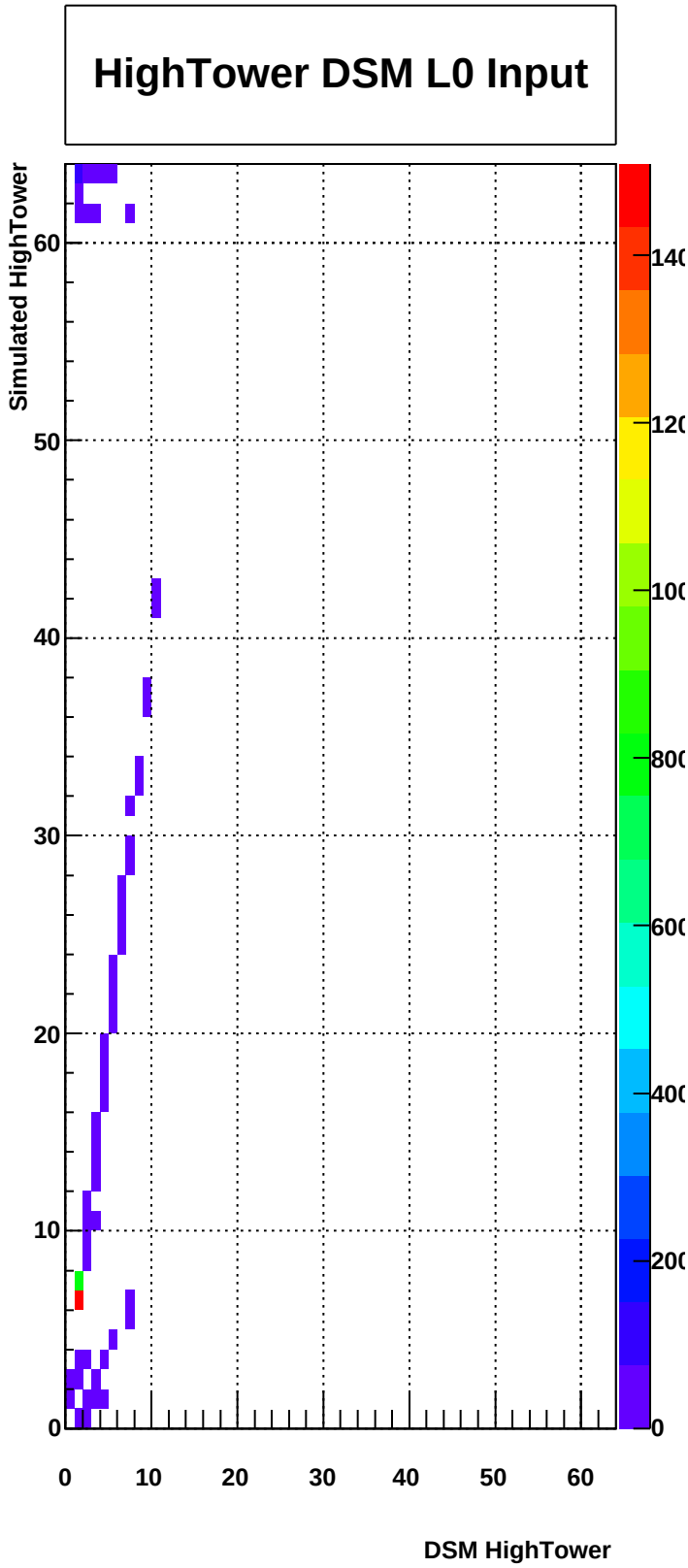
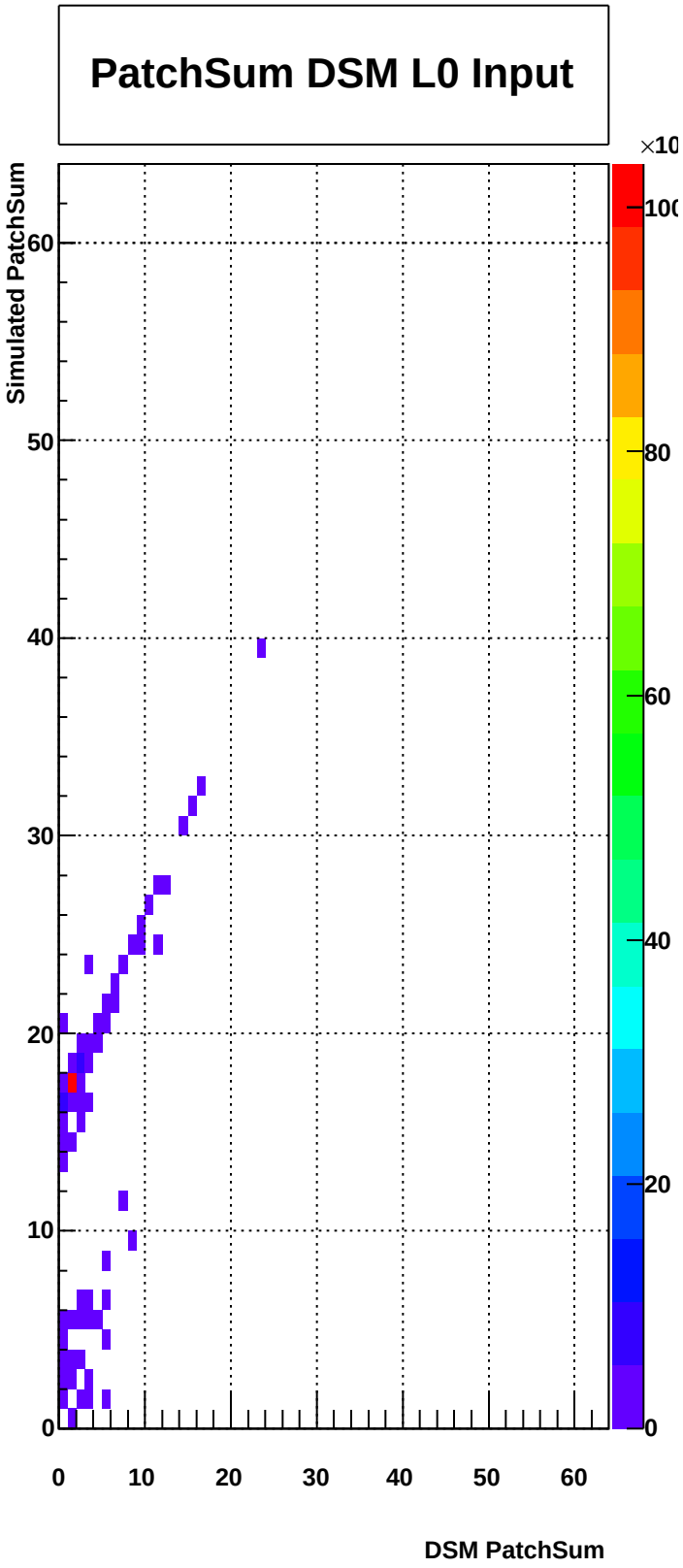
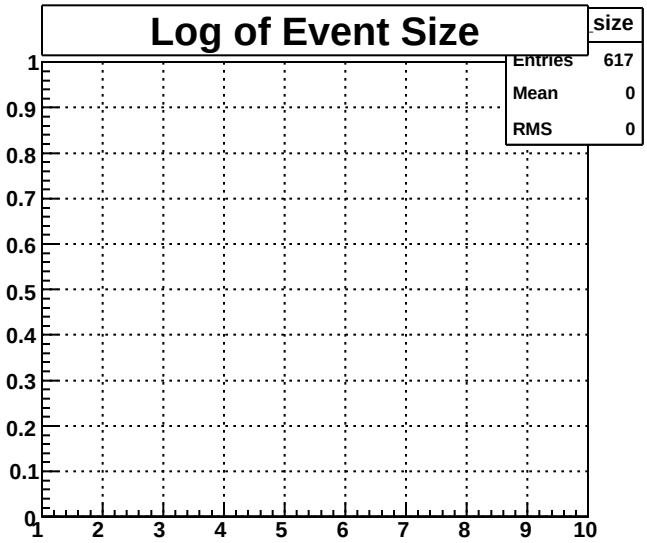
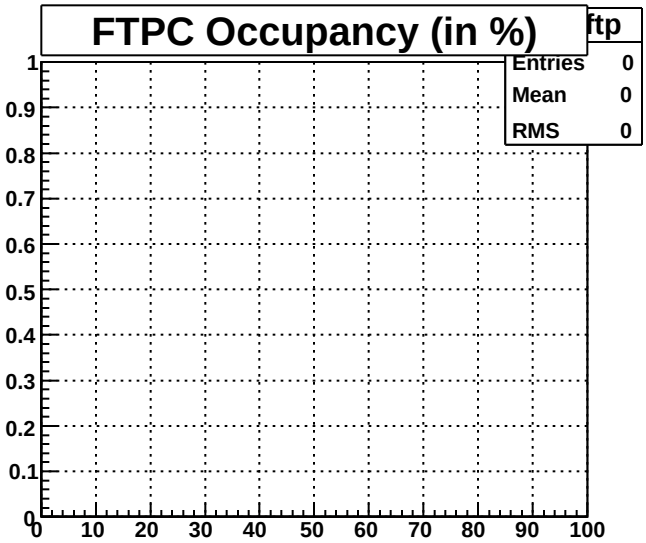
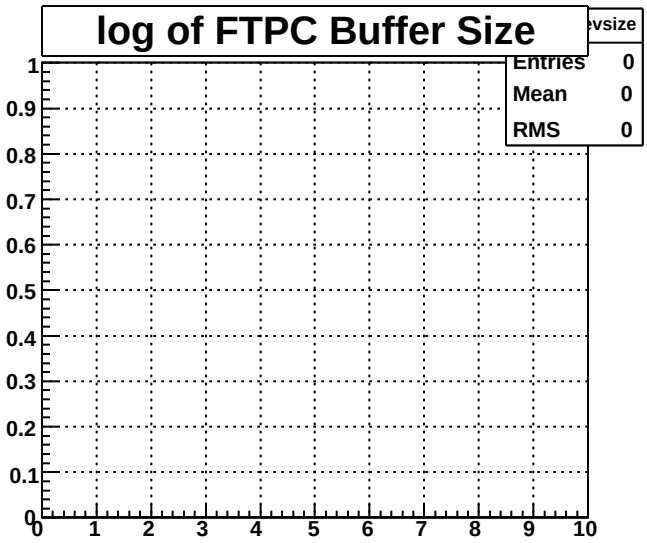


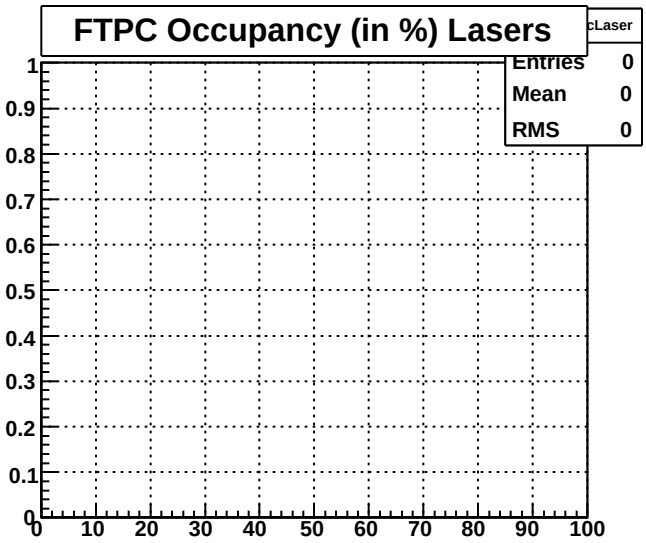



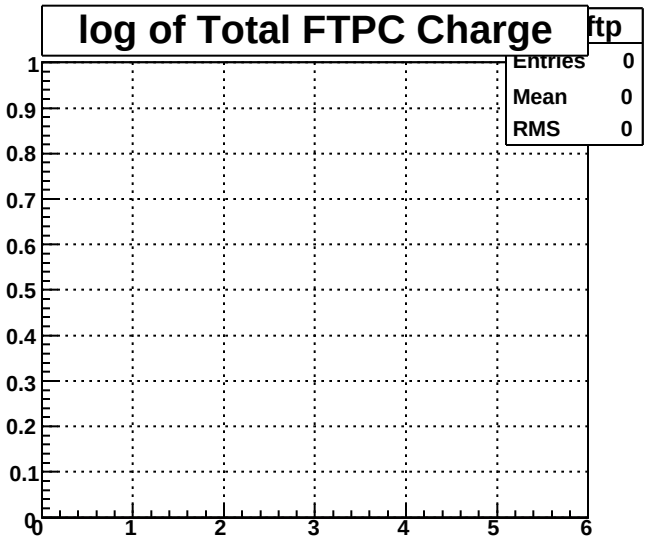

Mon Apr 11 21:34:41 2011

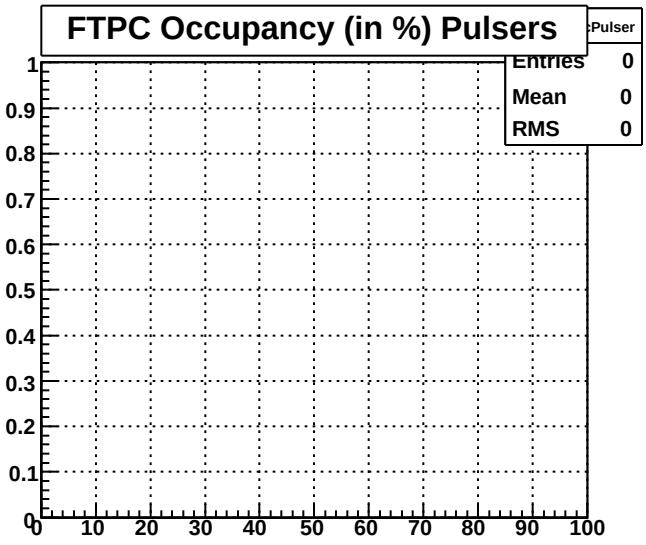

Log of Event Size
size
Entries 617
Mean 0
RMS 0

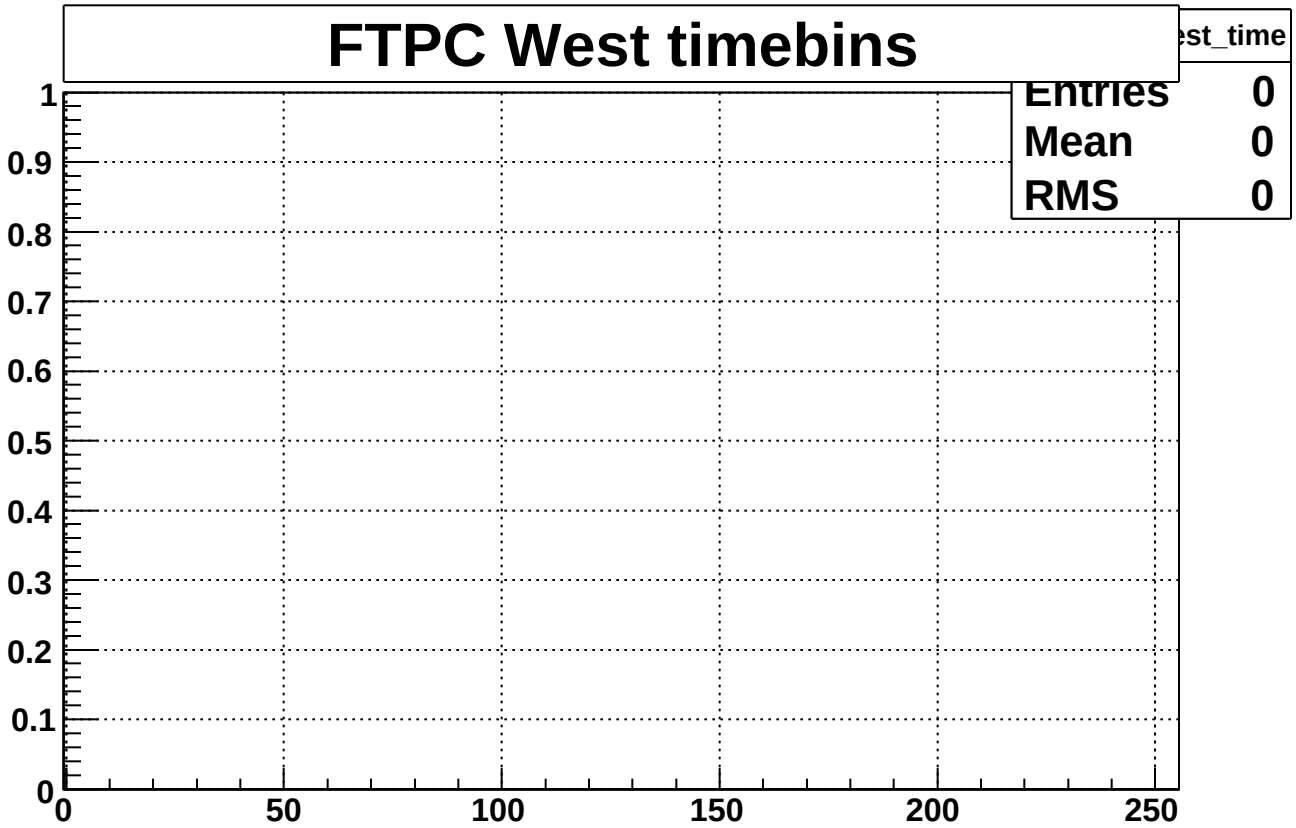

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

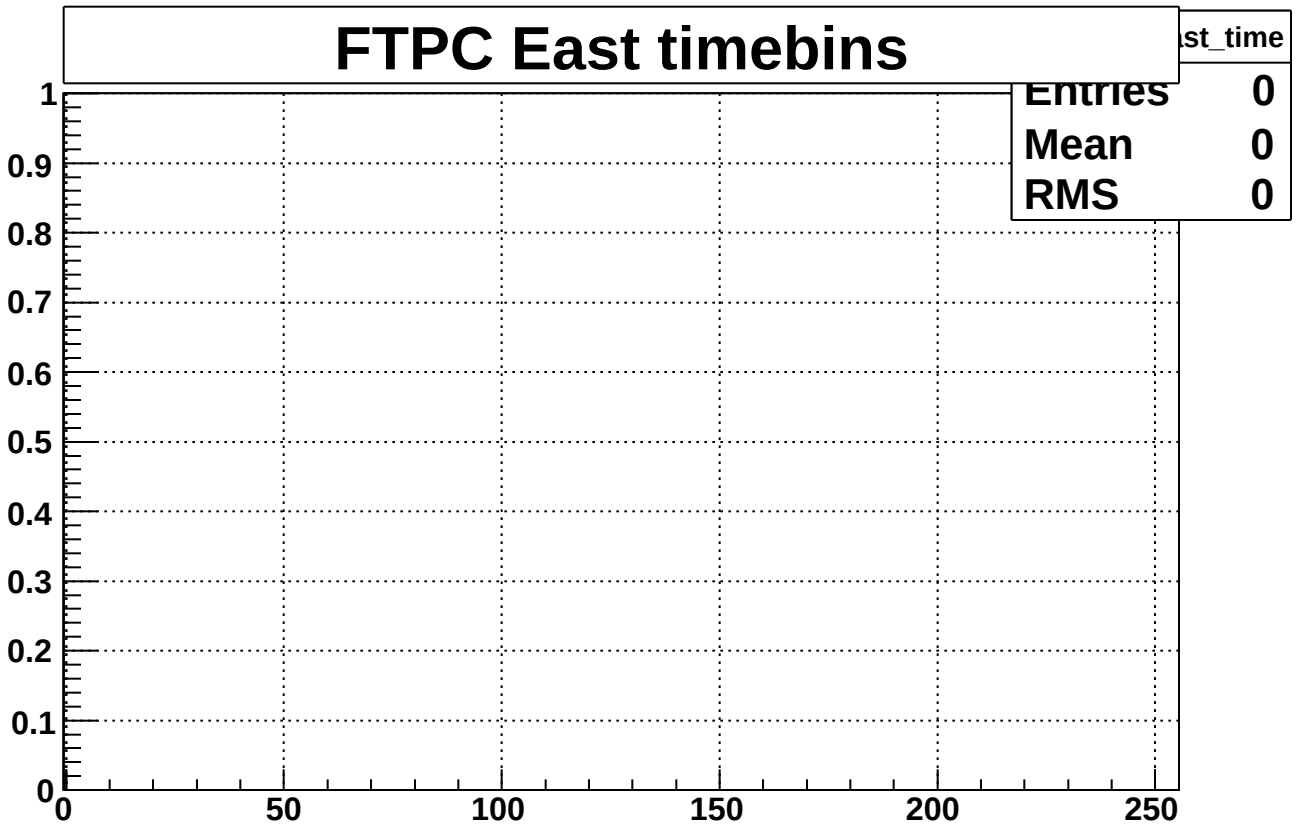

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

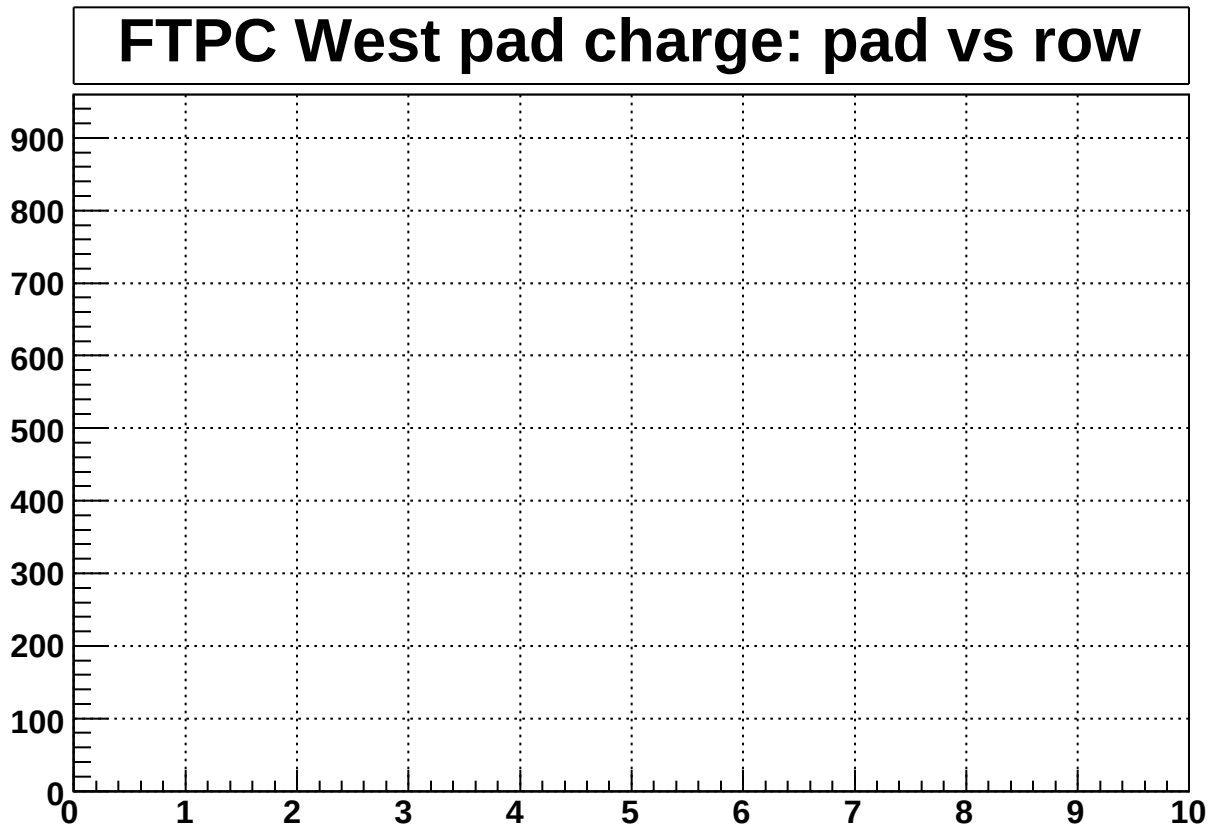

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

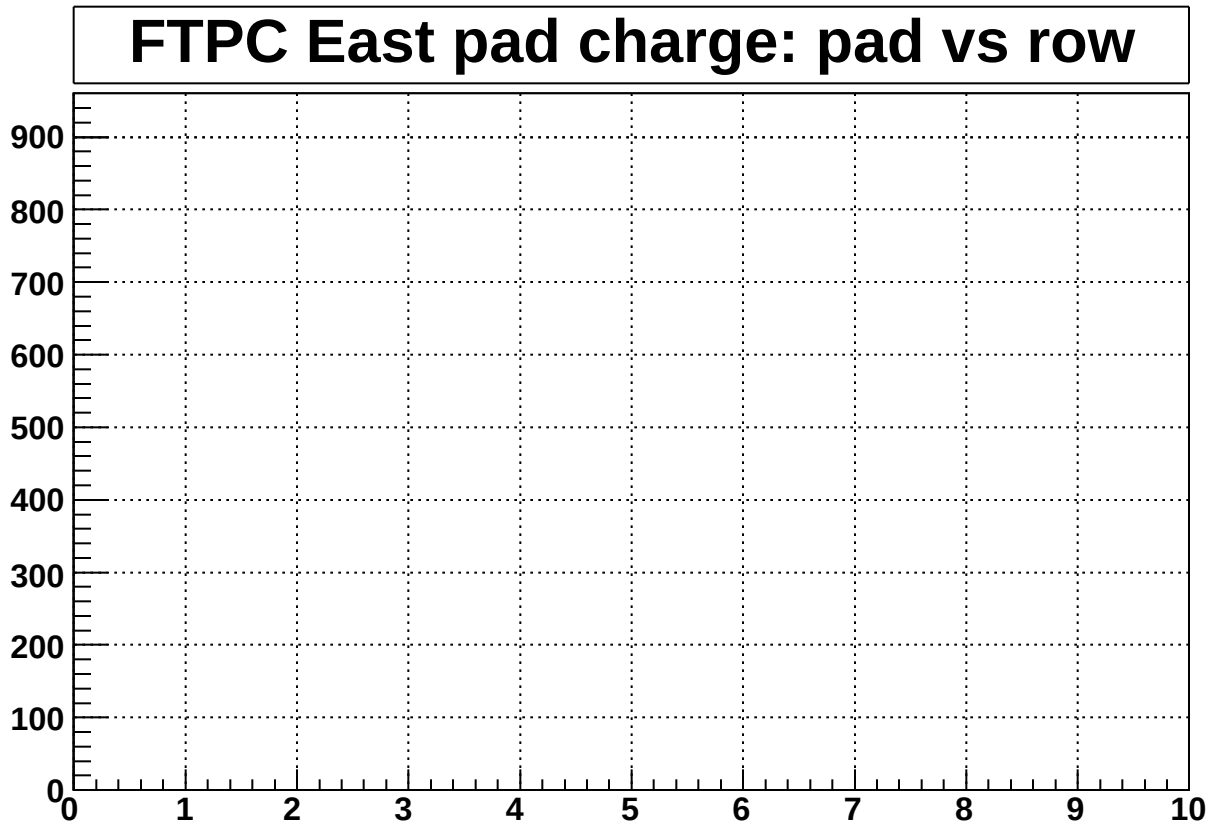

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

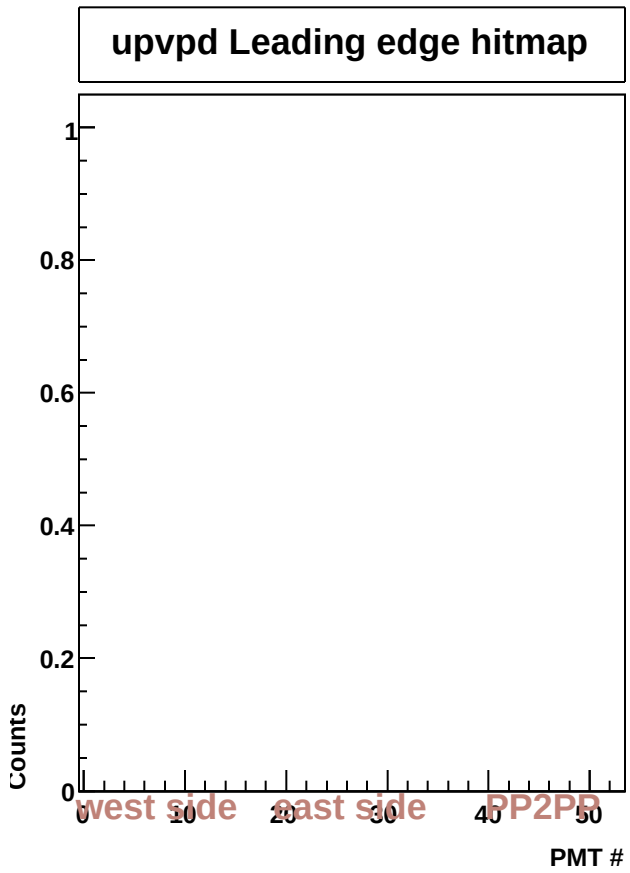

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

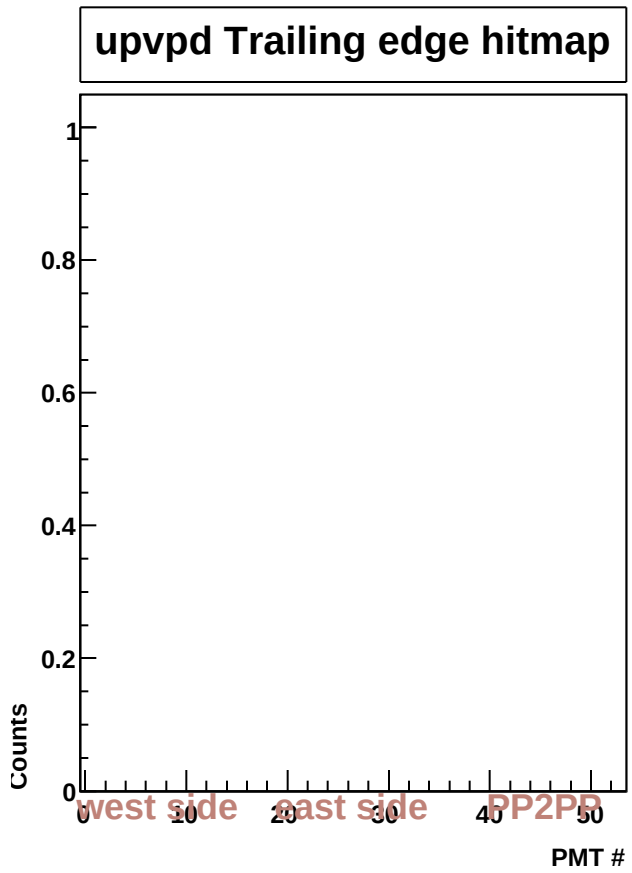

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

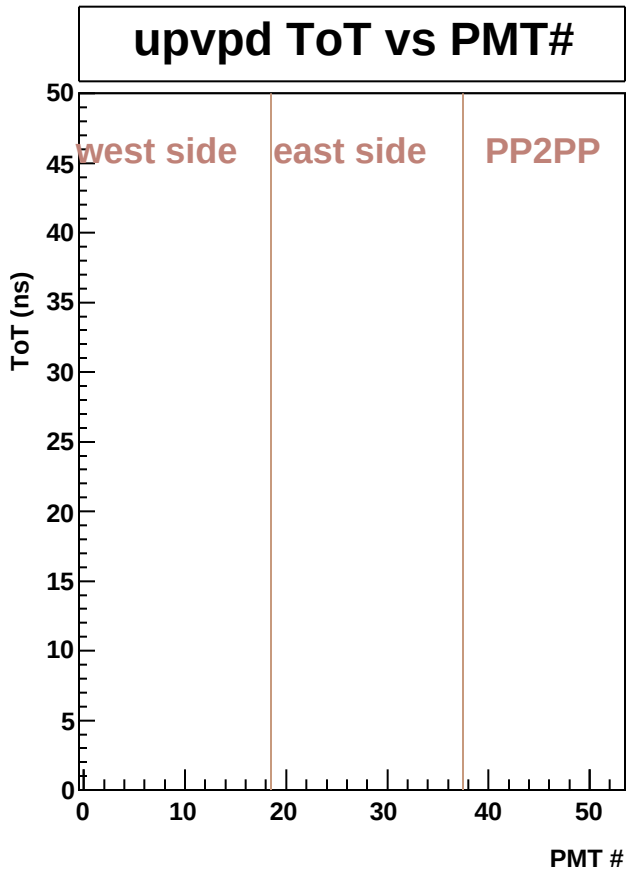

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

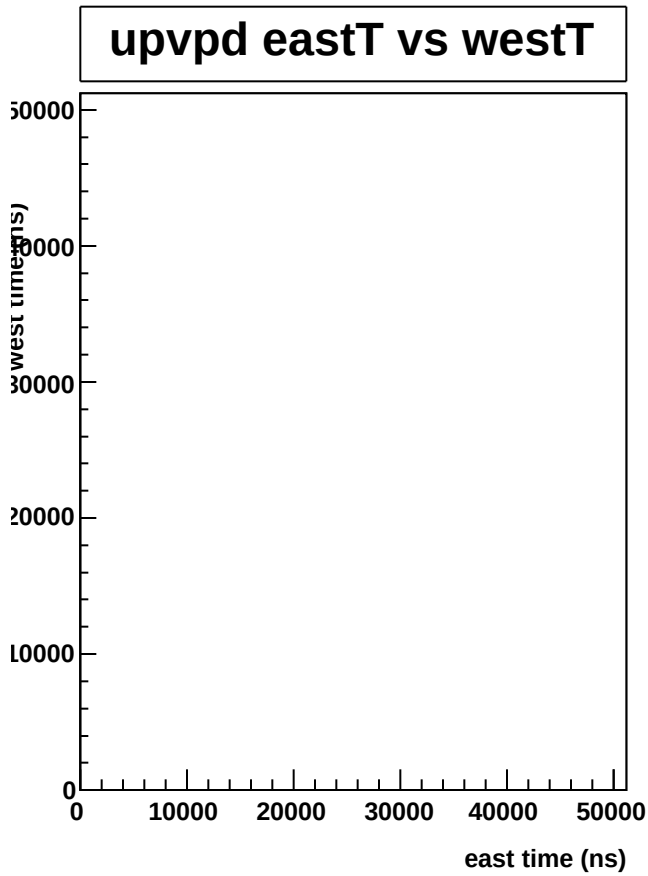

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

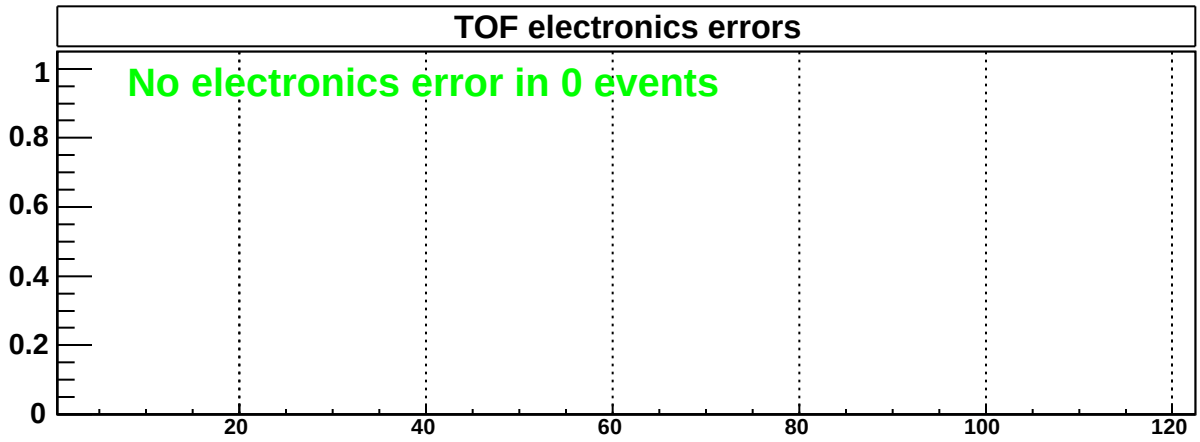

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

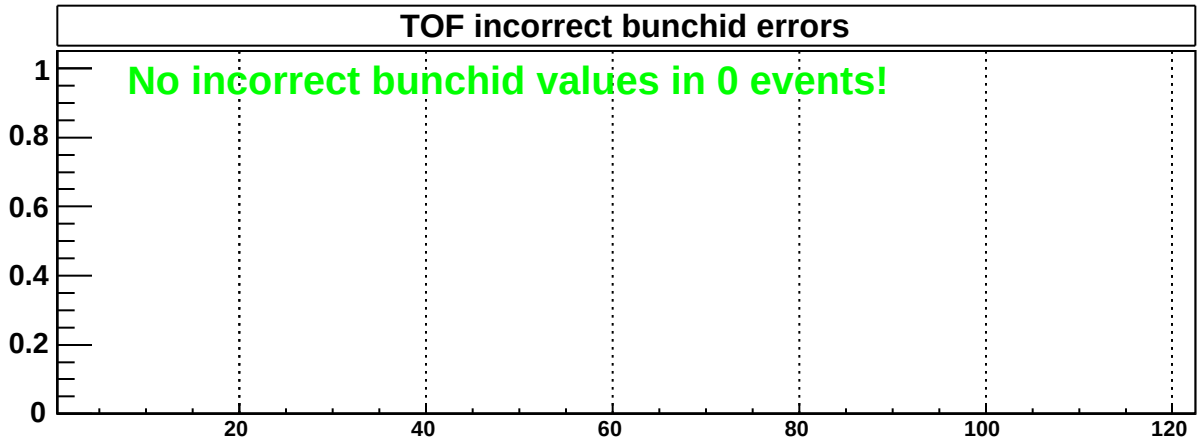

upvpd Leading edge hitmap
Counts
PMT #
west side
east side
PP2PP

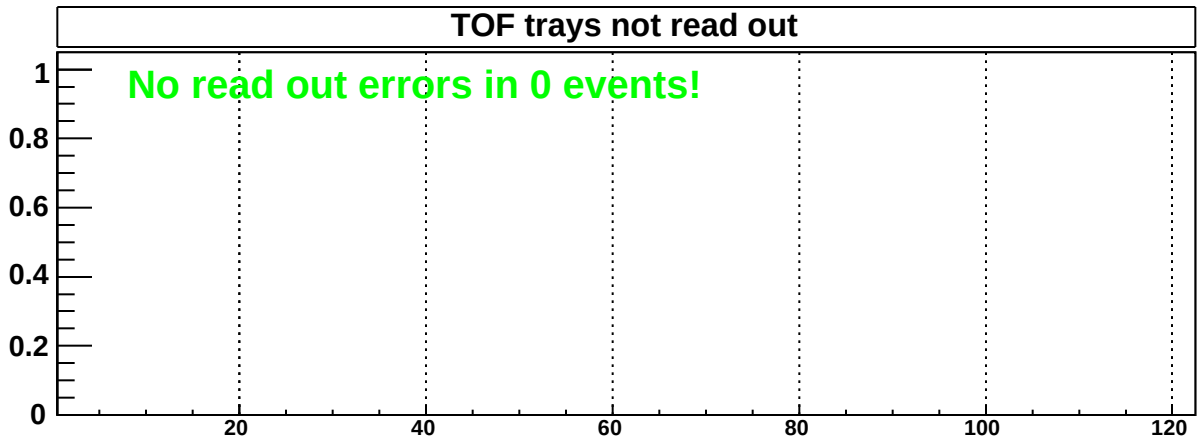

upvpd Trailing edge hitmap
Counts
PMT #
west side
east side
PP2PP

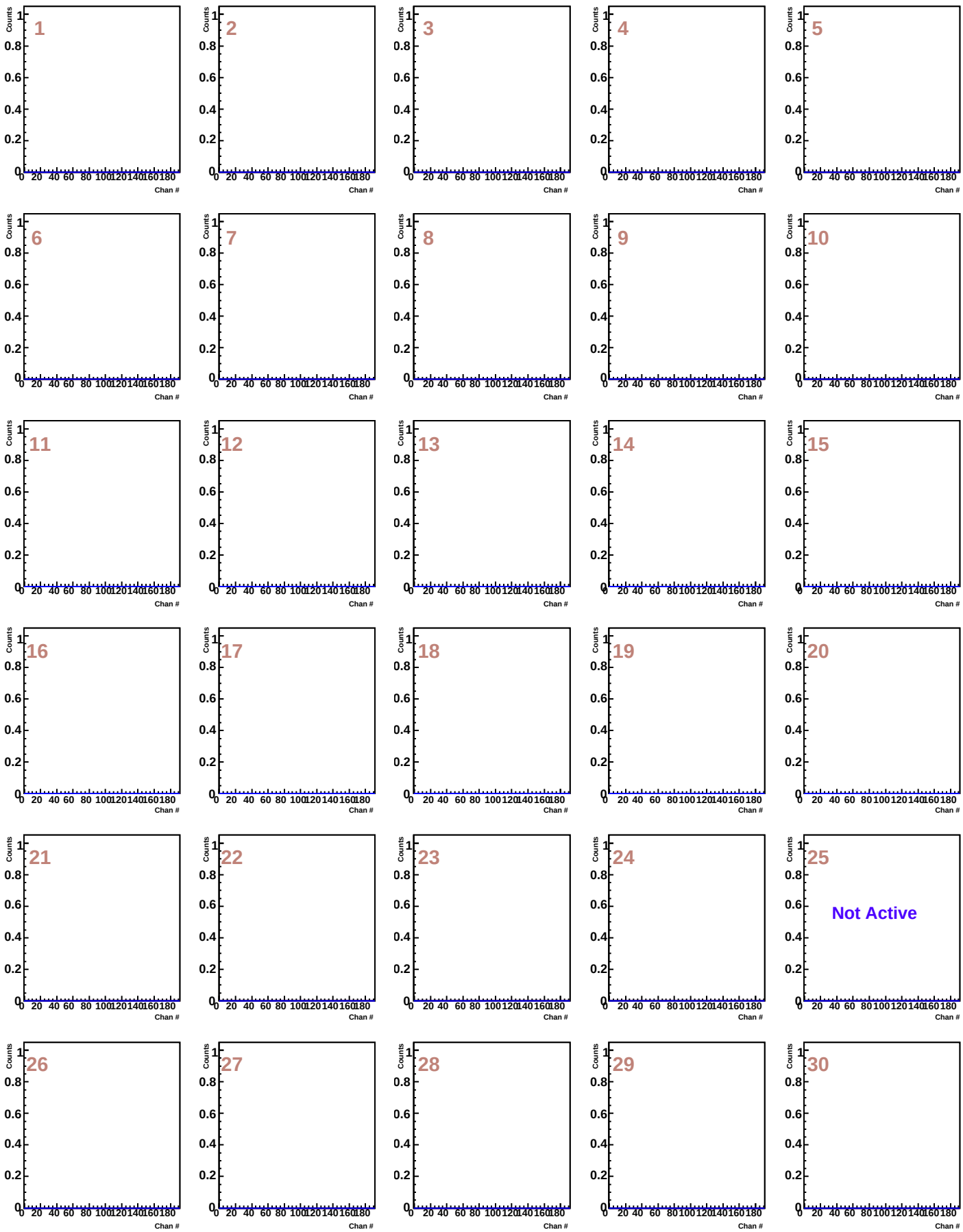

upvpd ToT vs PMT#
ToT (ns)
PMT #
west side
east side
PP2PP


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
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12
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14
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16
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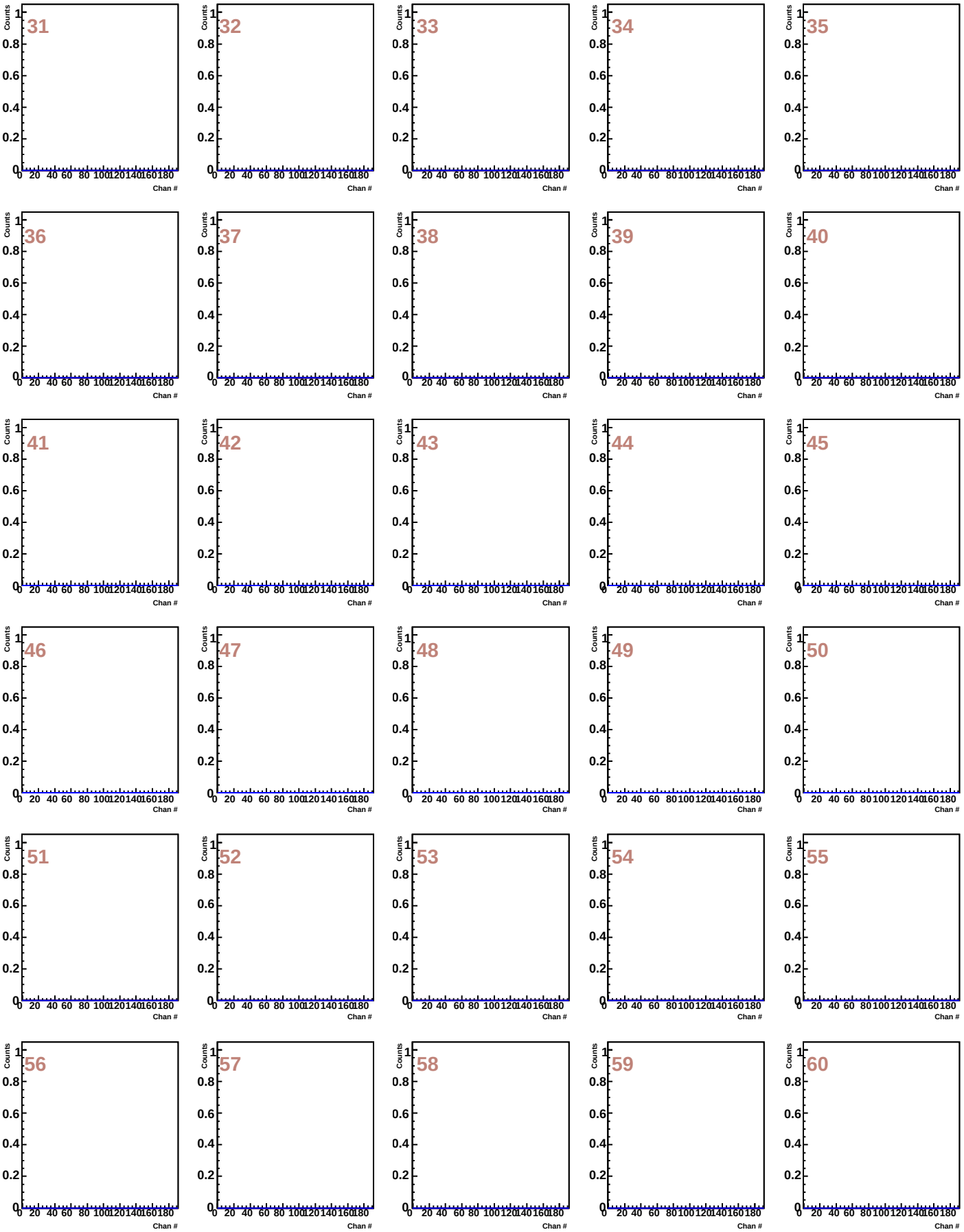
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #


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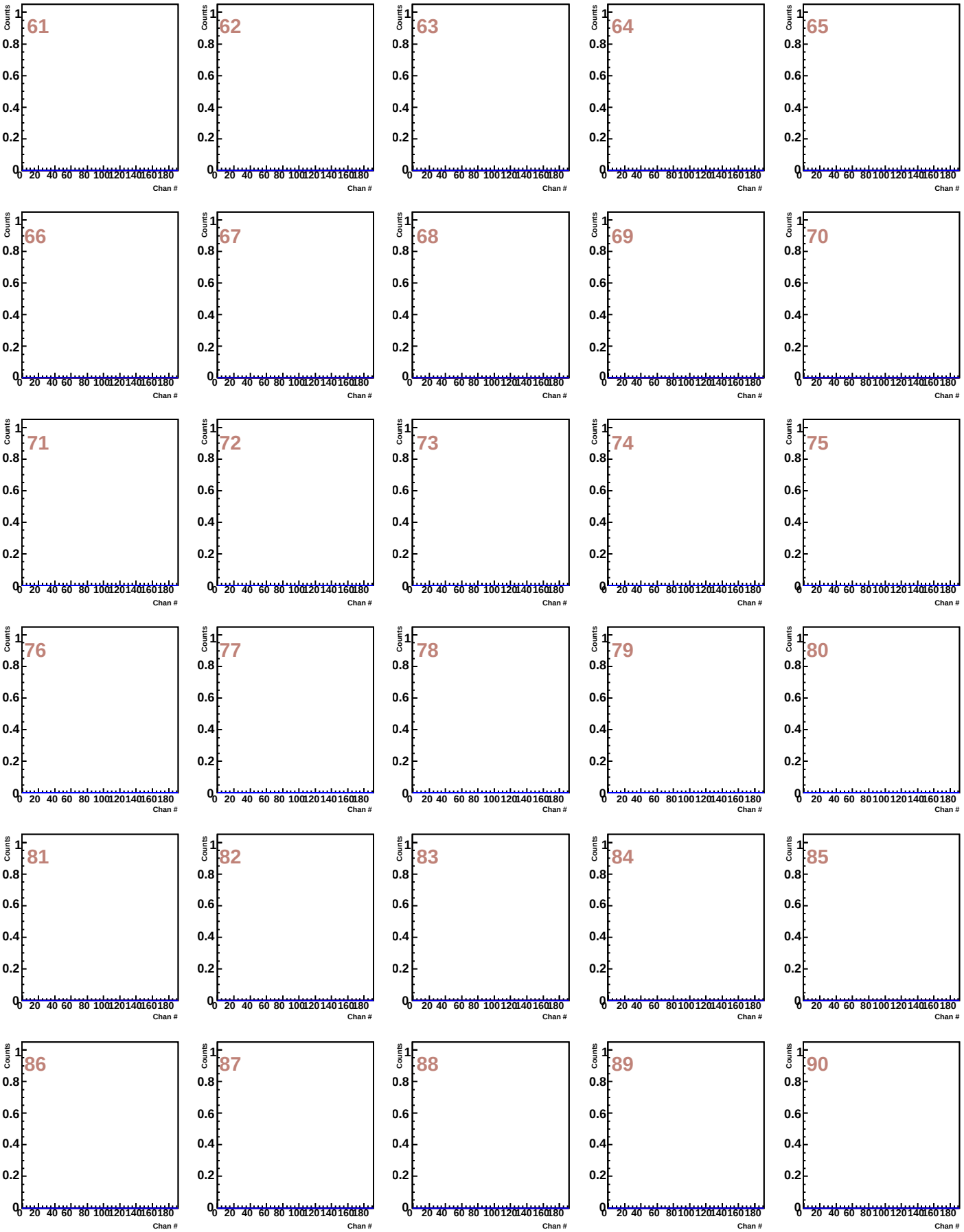
53
54
55
56
57
58
59
60
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


61
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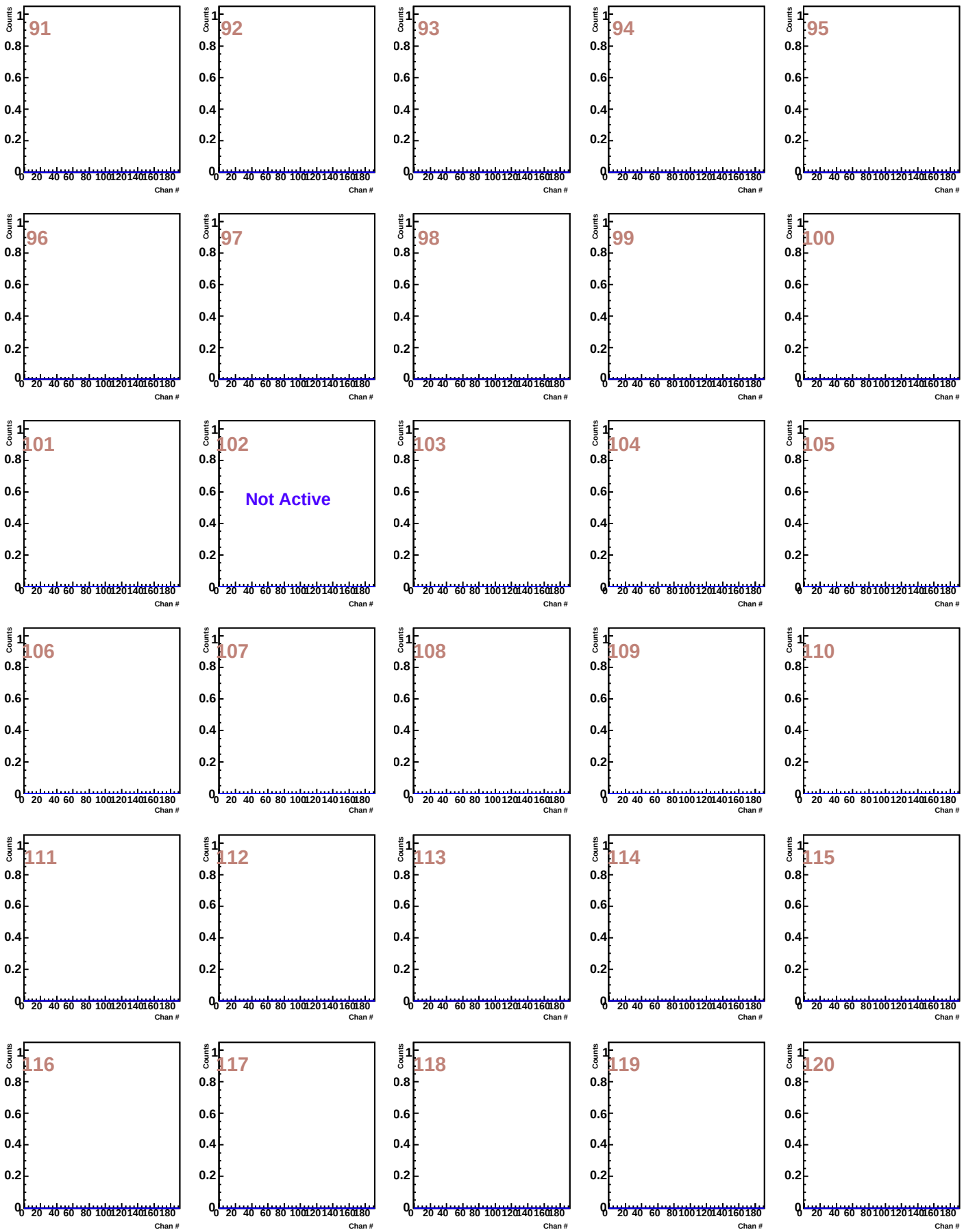
89
90
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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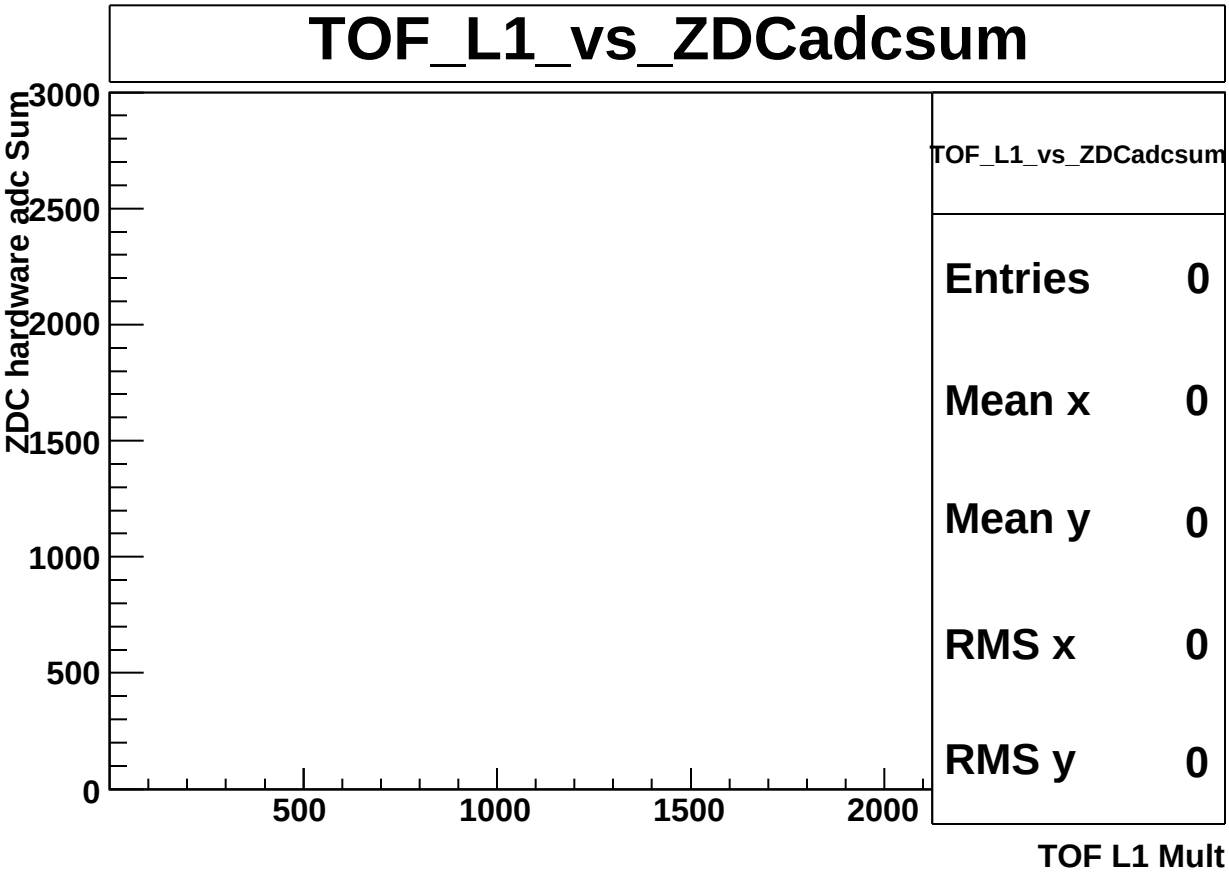
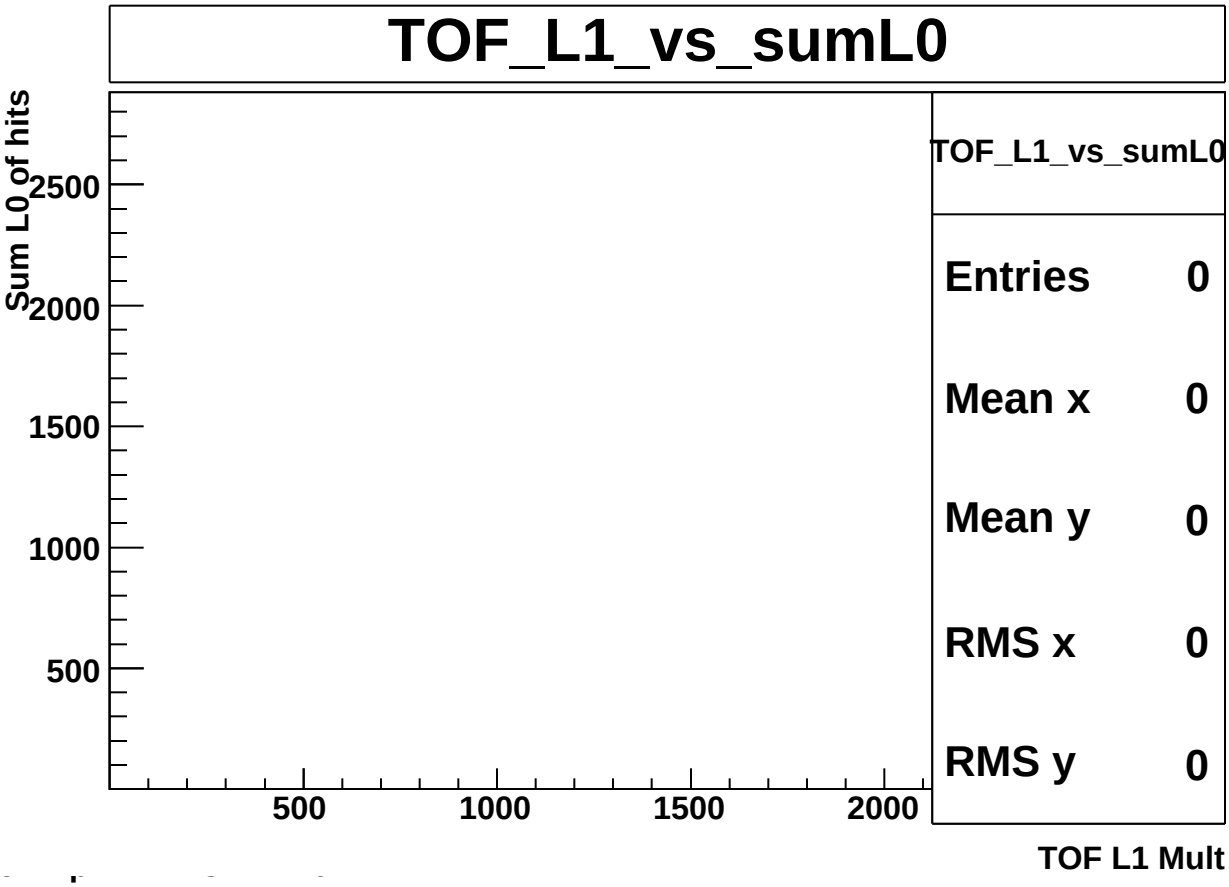
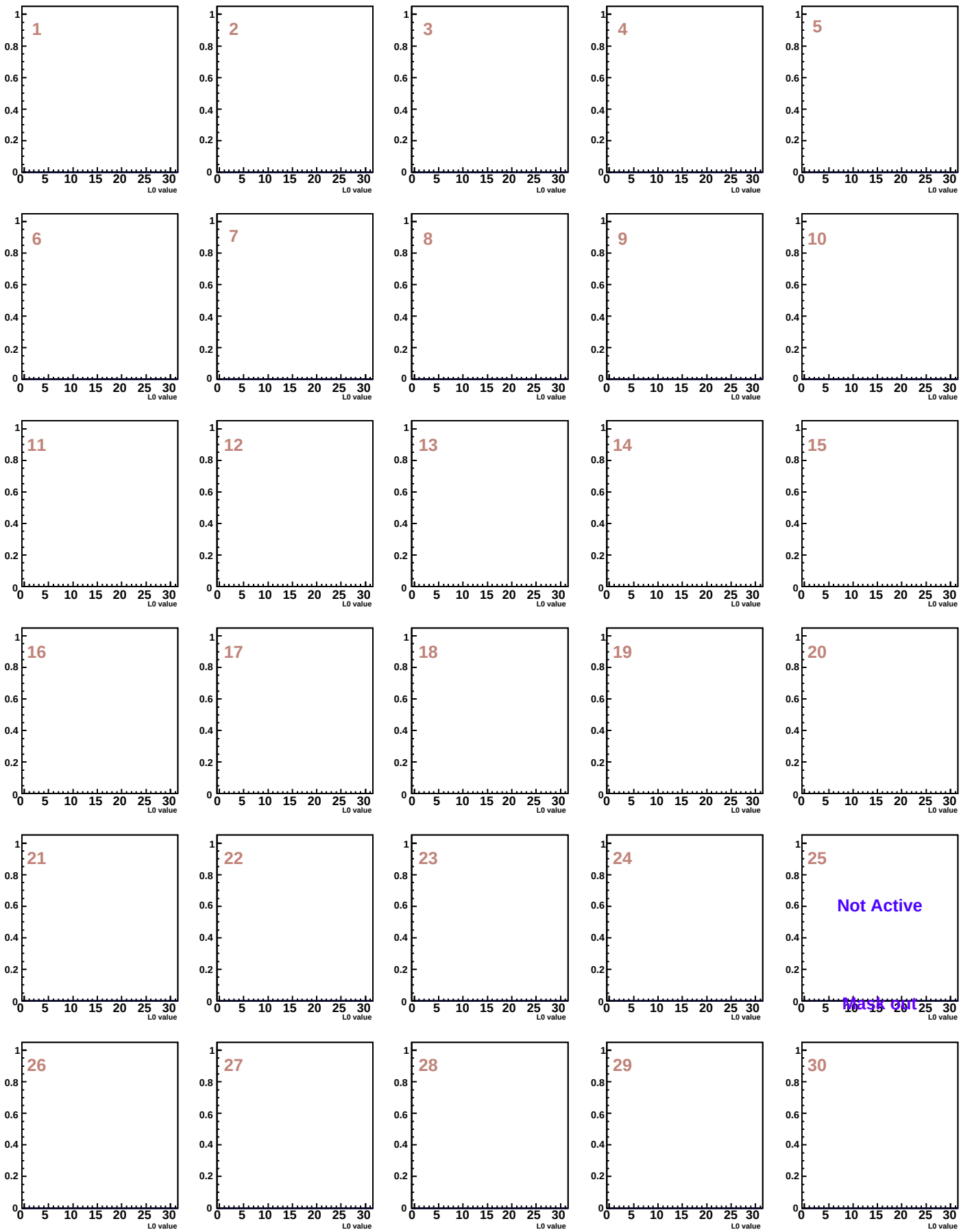
99
100
101
102
Not Active
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
Counts
Chan #


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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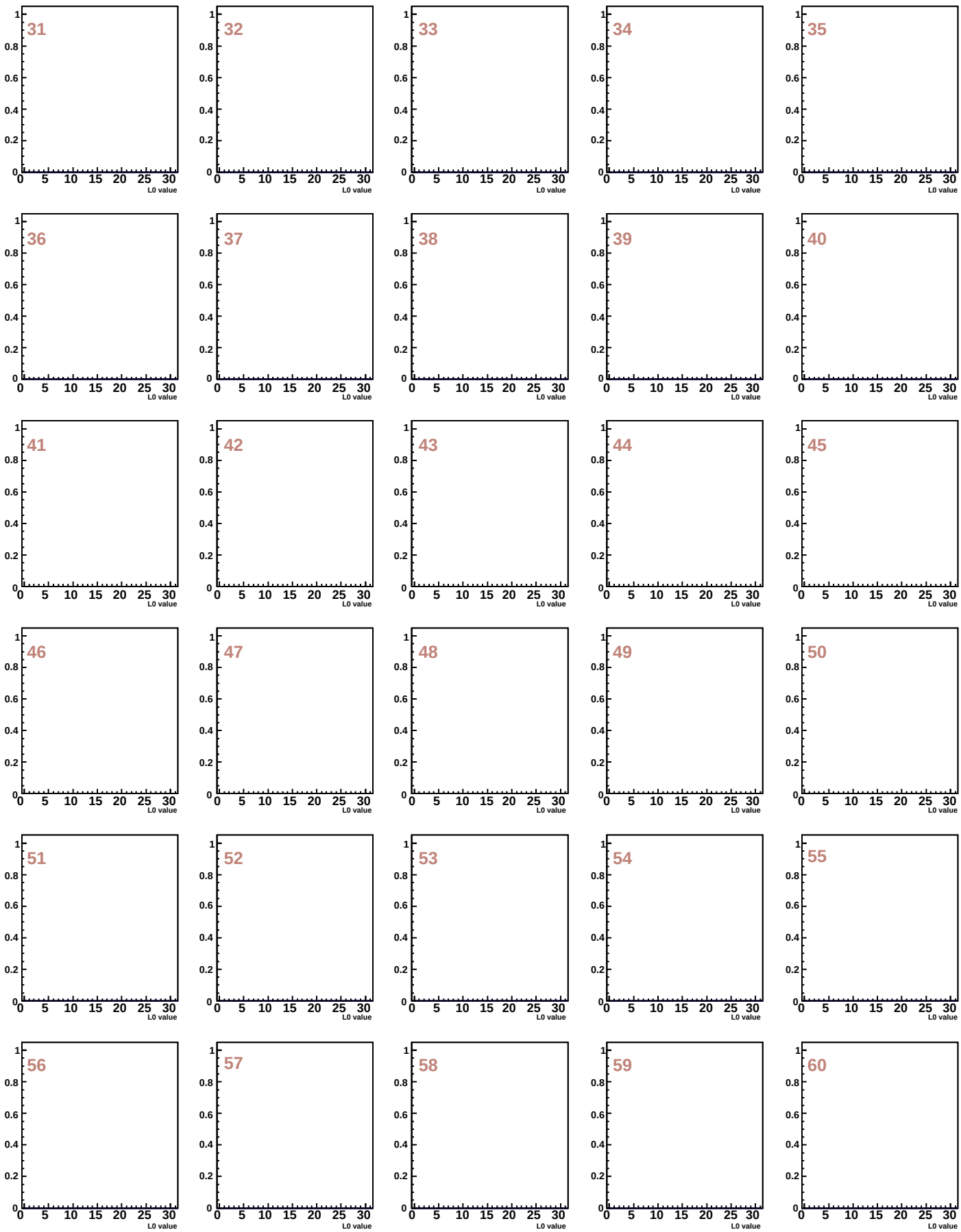
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value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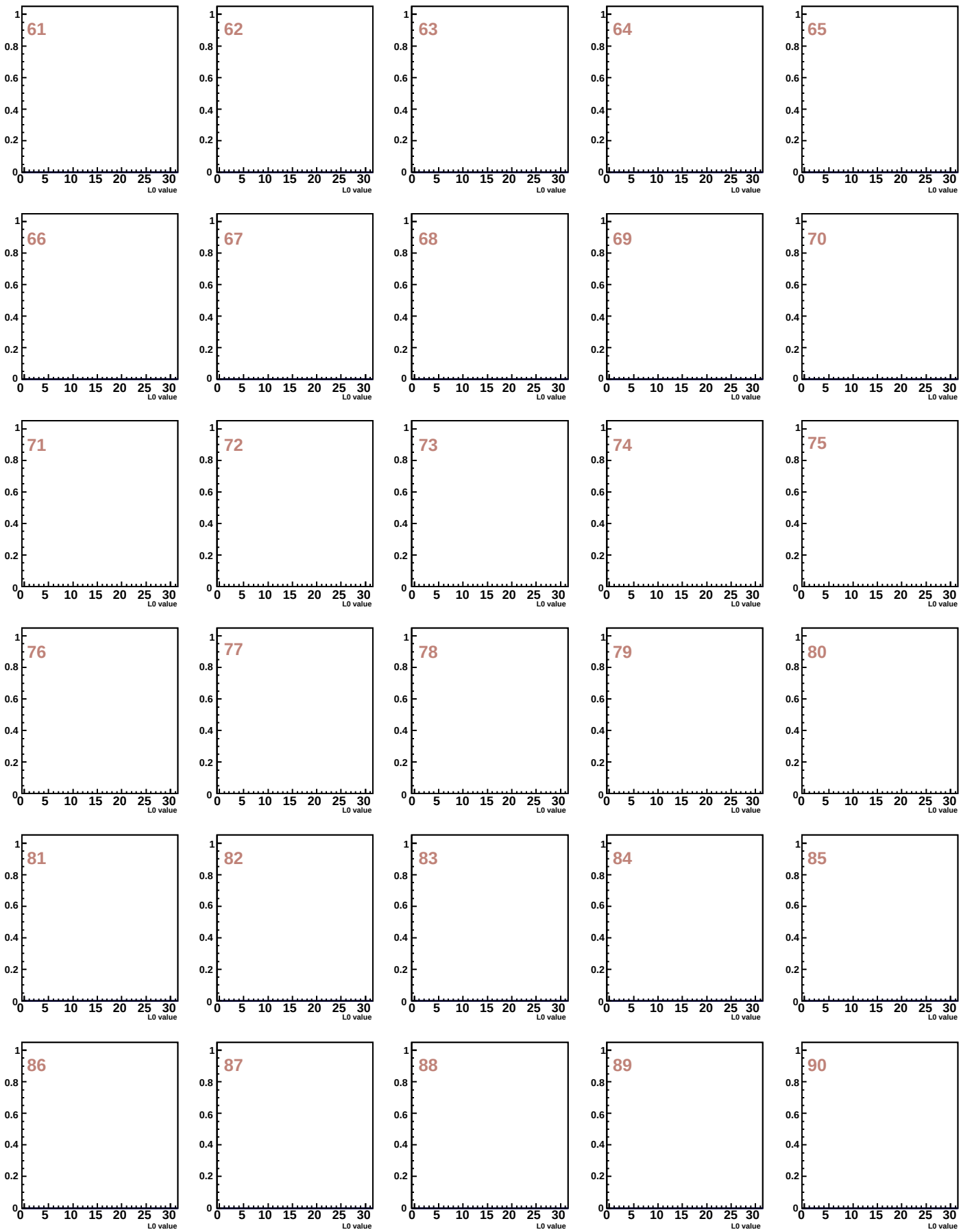
57
58
59
60
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value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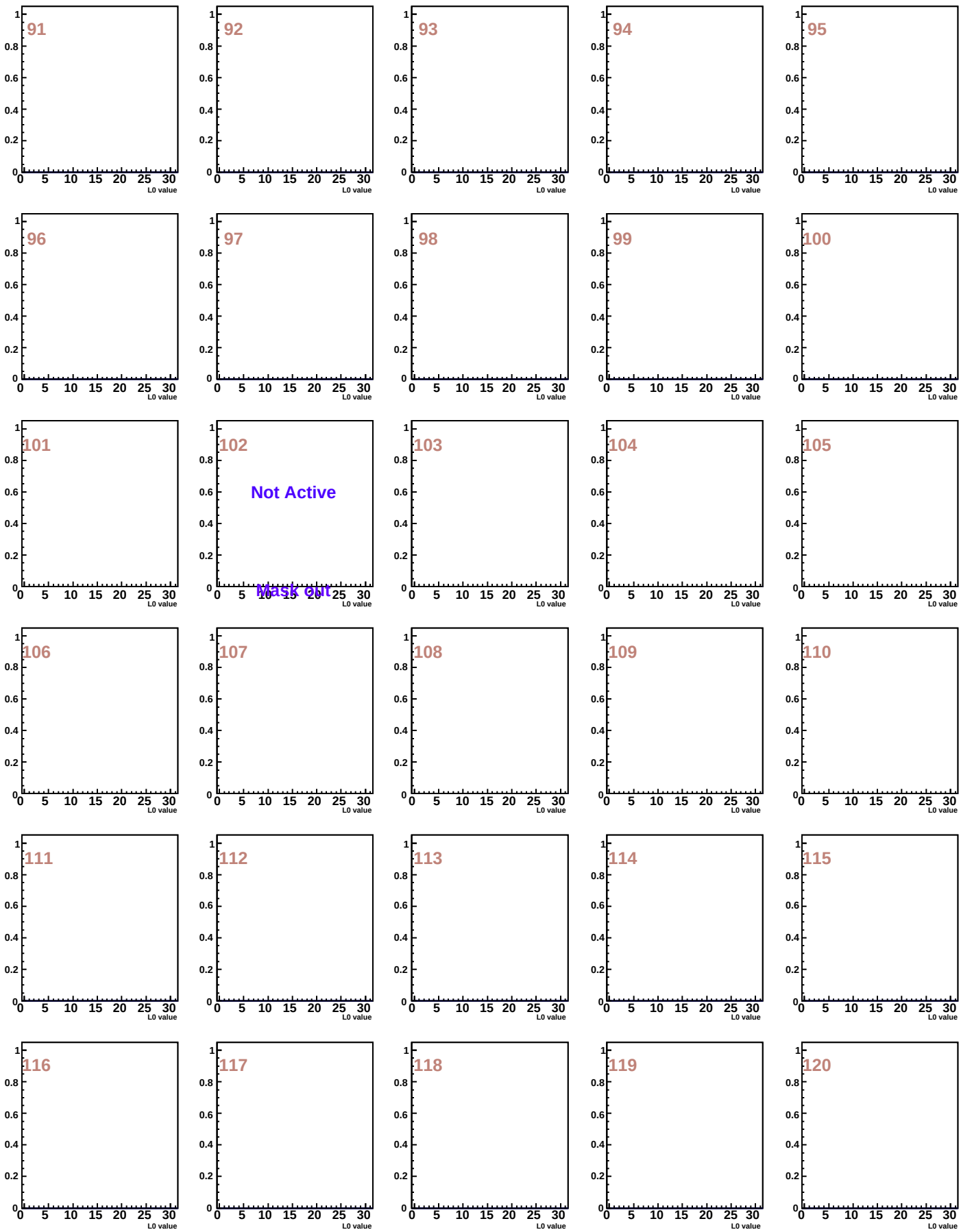
87
88
89
90
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value


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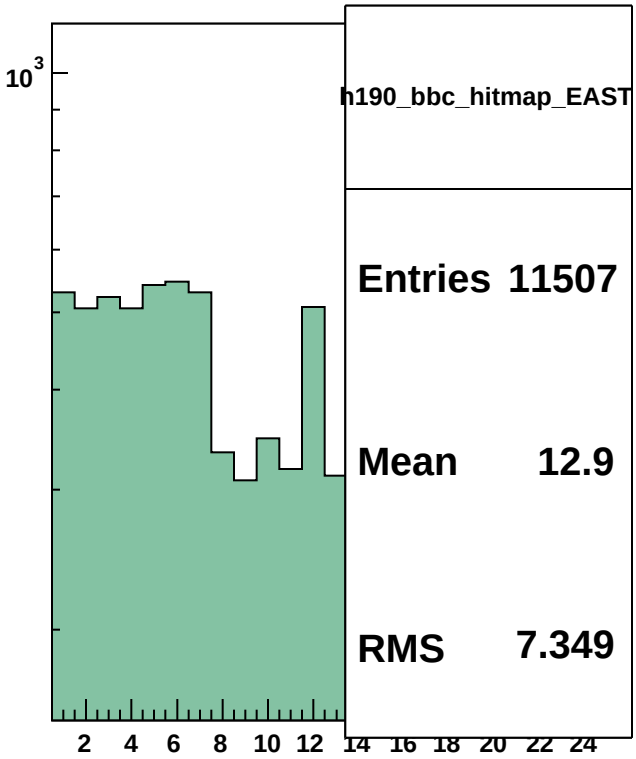
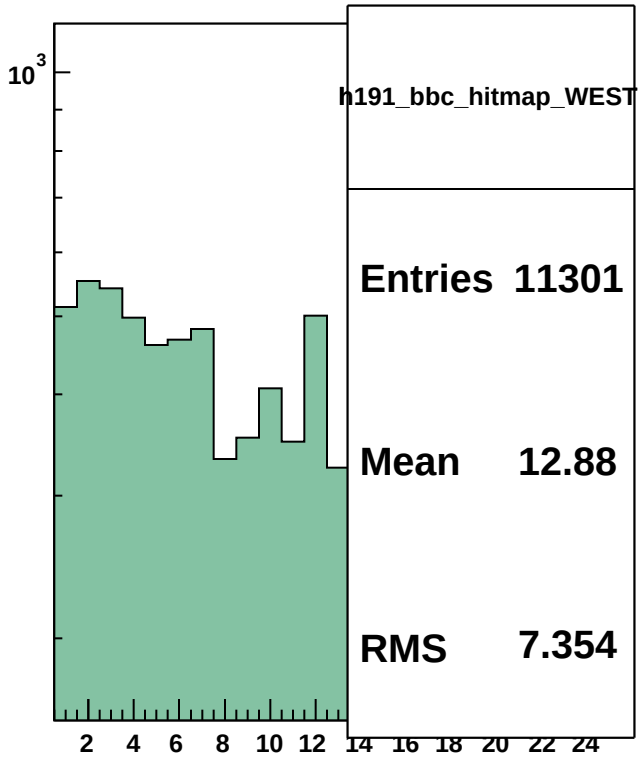
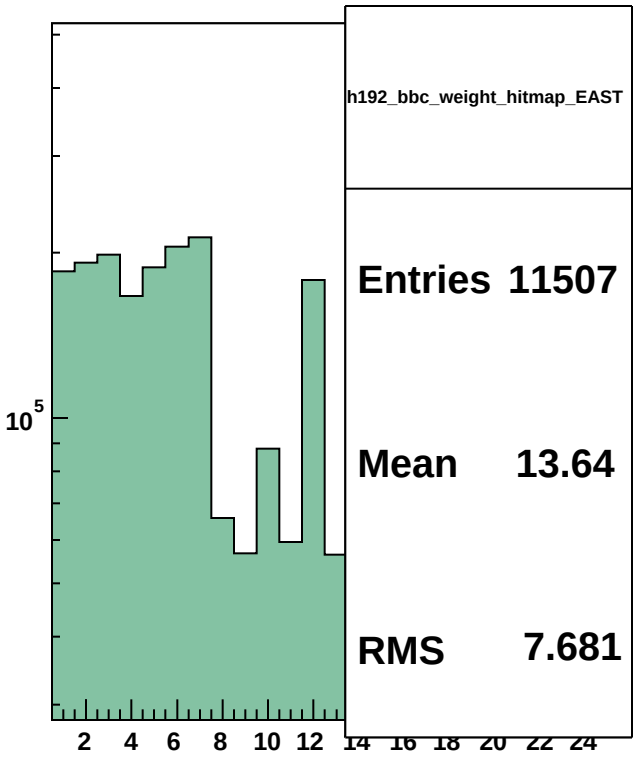
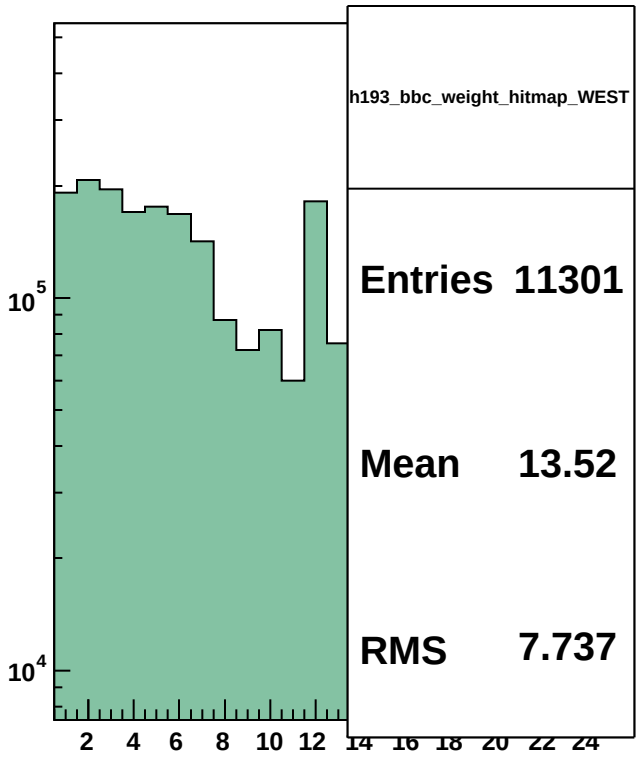
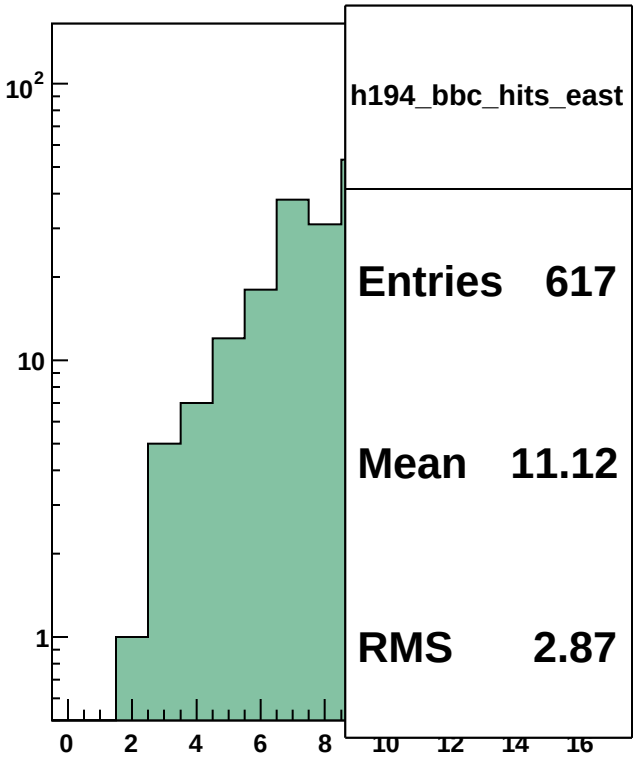
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

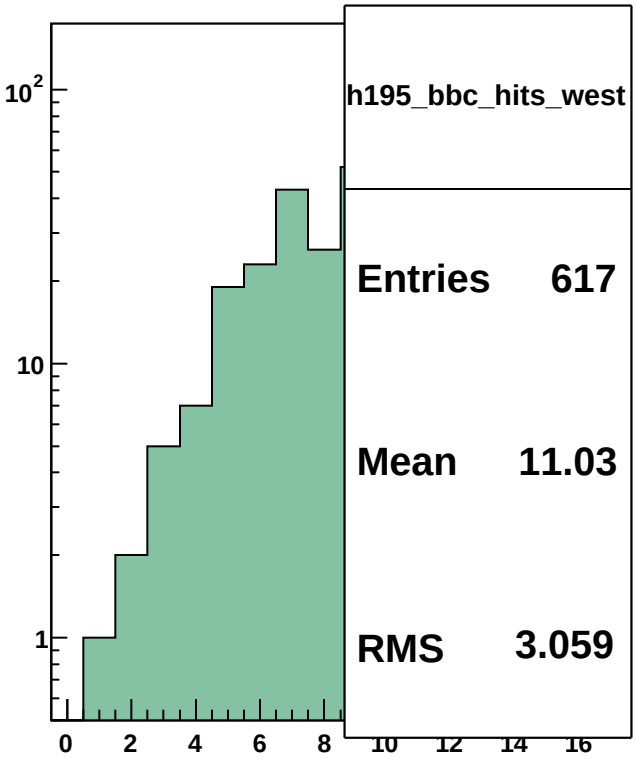

h190_bbc_hitmap_EAST
Entries 11507
Mean 12.9
RMS 7.349
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

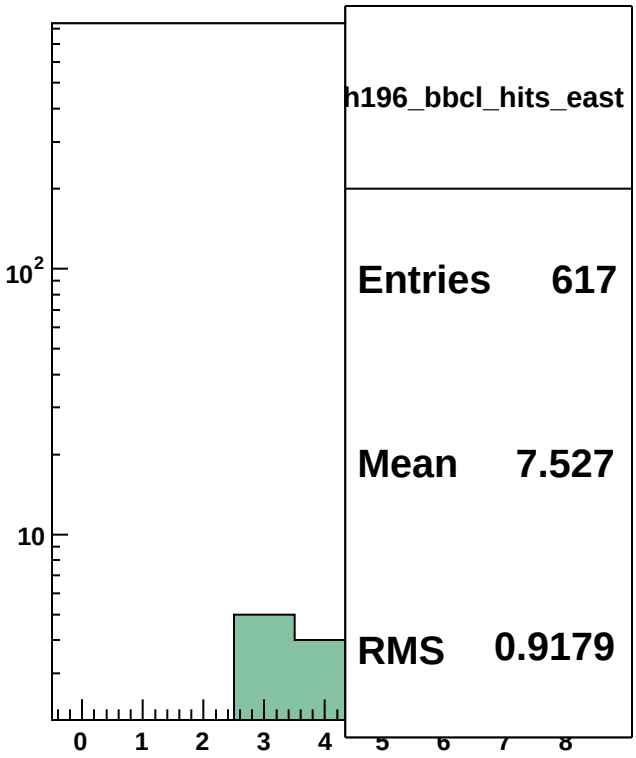

h191_bbc_hitmap_WEST
Entries 11301
Mean 12.88
RMS 7.354
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

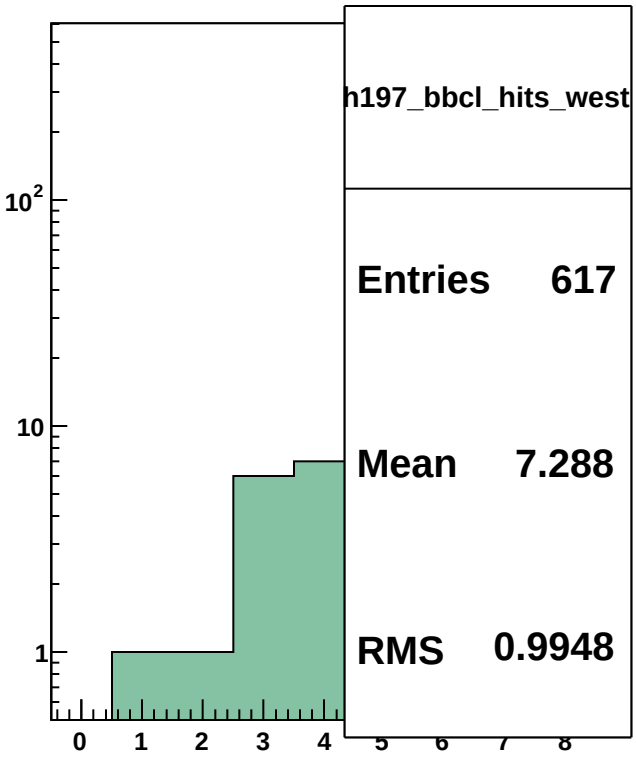

h192_bbc_weight_hitmap_EAST
Entries 11507
Mean 13.64
RMS 7.681
$10^5$
2 4 6 8 10 12 14 16 18 20 22 24

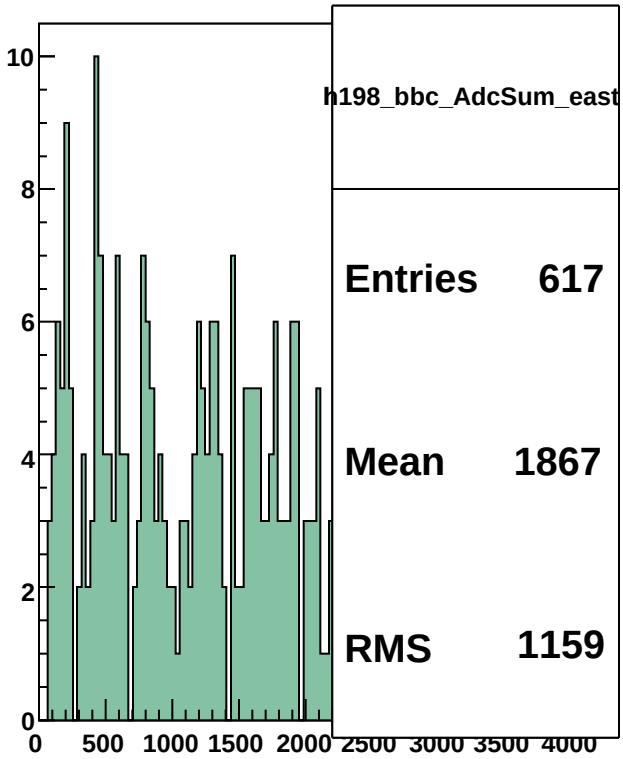

h193_bbc_weight_hitmap_WEST
Entries 11301
Mean 13.52
RMS 7.737
$10^5$
$10^4$
2 4 6 8 10 12 14 16 18 20 22 24

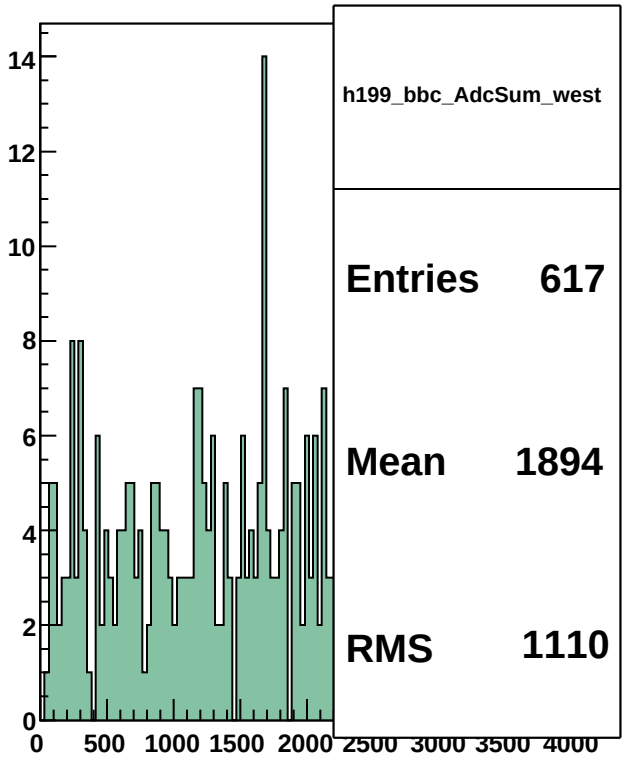

h194_bbc_hits_east
Entries 617
Mean 11.12
RMS 2.87

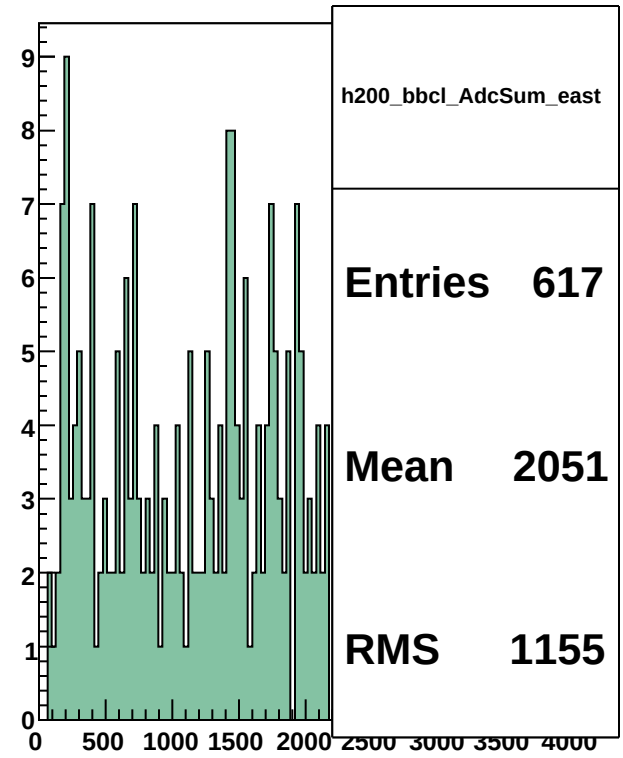

h195_bbc_hits_west
Entries 617
Mean 11.03
RMS 3.059

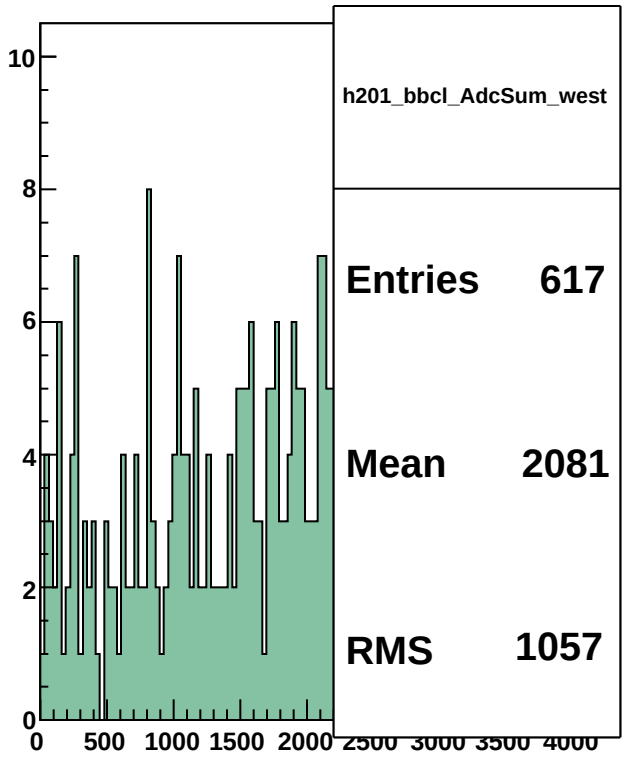

h196_bbcl_hits_east
Entries 617
Mean 7.527
RMS 0.9179

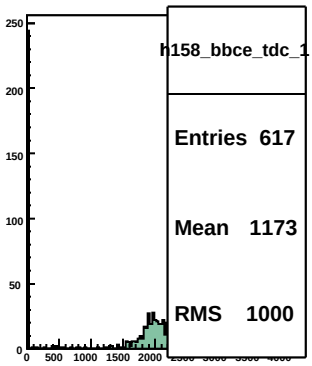

h197_bbcl_hits_west
Entries 617
Mean 7.288
RMS 0.9948

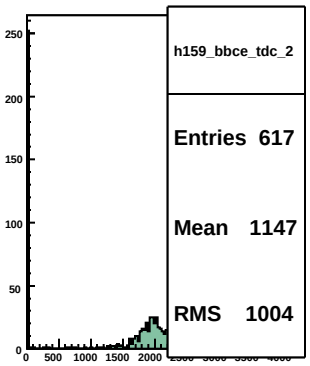

h198_bbc_AdcSum_east
Entries 617
Mean 1867
RMS 1159

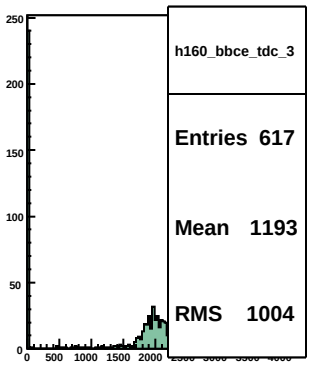

h199_bbc_AdcSum_west
Entries 617
Mean 1894
RMS 1110

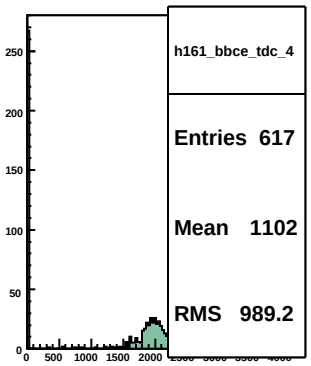

h200_bbcl_AdcSum_east
Entries 617
Mean 2051
RMS 1155

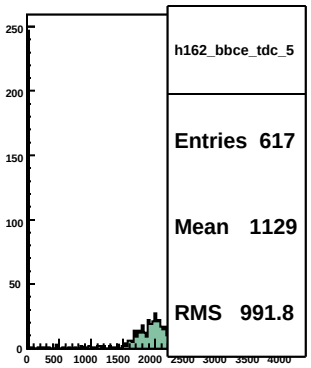

h201_bbcl_AdcSum_west
Entries 617
Mean 2081
RMS 1057

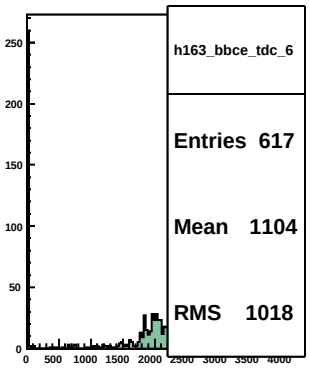

h158_bbce_tdc_1
Entries 617
Mean 1173
RMS 1000

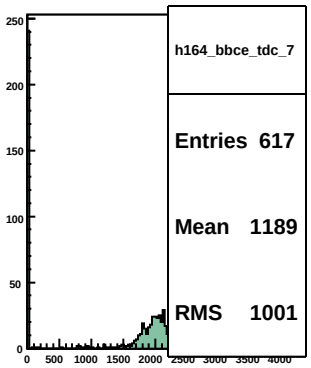

h159_bbce_tdc_2
Entries 617
Mean 1147
RMS 1004

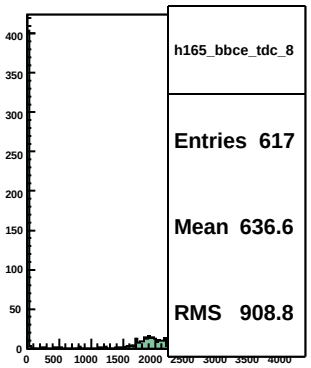

h160_bbce_tdc_3
Entries 617
Mean 1193
RMS 1004

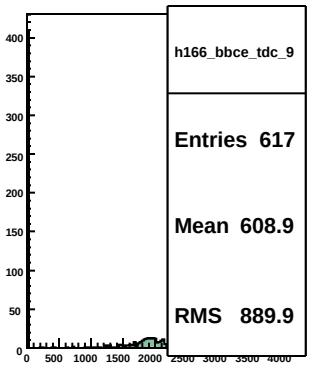

h161_bbce_tdc_4
Entries 617
Mean 1102
RMS 989.2

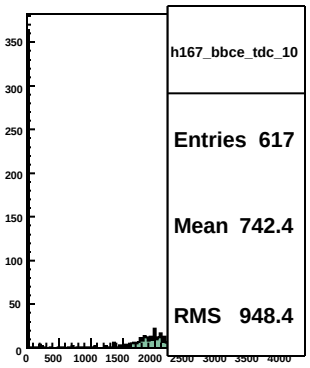

h162_bbce_tdc_5
Entries 617
Mean 1129
RMS 991.8

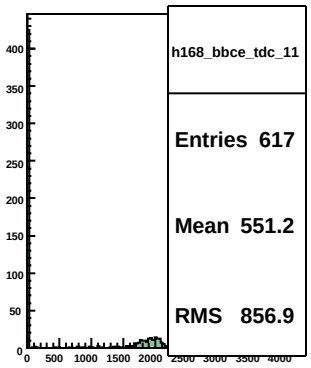

h163_bbce_tdc_6
Entries 617
Mean 1104
RMS 1018

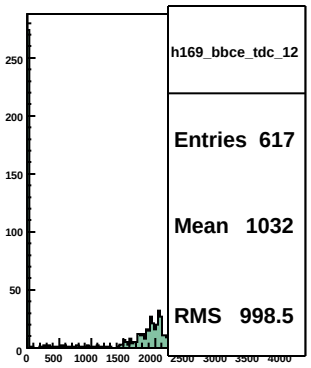

h164_bbce_tdc_7
Entries 617
Mean 1189
RMS 1001

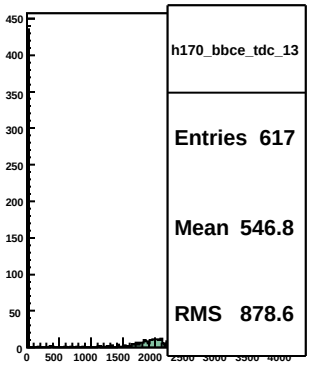

h165_bbce_tdc_8
Entries 617
Mean 636.6
RMS 908.8

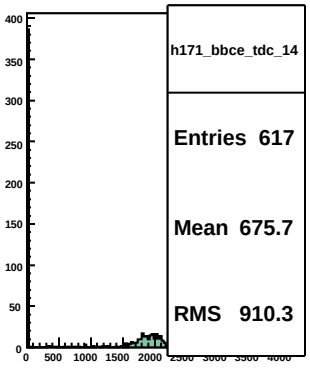

h166_bbce_tdc_9
Entries 617
Mean 608.9
RMS 889.9

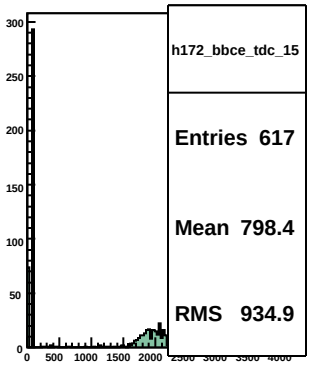

h167_bbce_tdc_10
Entries 617
Mean 742.4
RMS 948.4

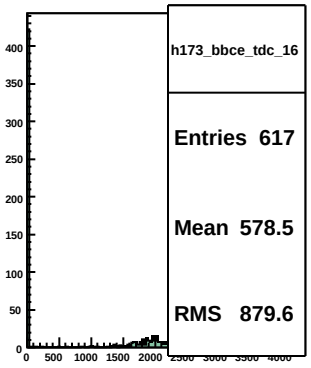

h168_bbce_tdc_11
Entries 617
Mean 551.2
RMS 856.9

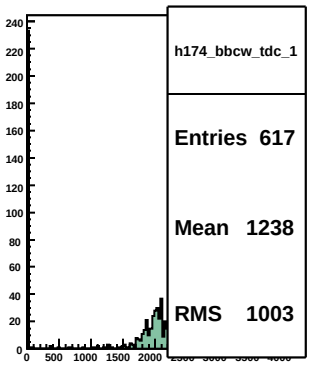

h169_bbce_tdc_12
Entries 617
Mean 1032
RMS 998.5

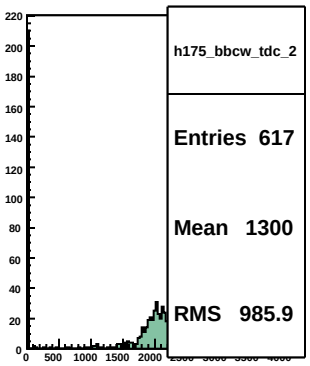

h170_bbce_tdc_13
Entries 617
Mean 546.8
RMS 878.6

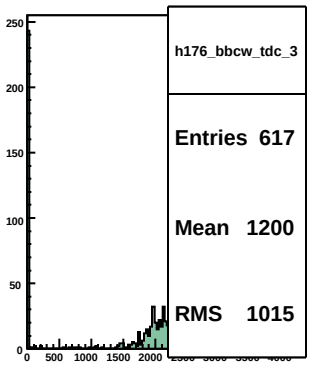

h171_bbce_tdc_14
Entries 617
Mean 675.7
RMS 910.3


h172_bbce_tdc_15
Entries 617
Mean 798.4
RMS 934.9


h173_bbce_tdc_16
Entries 617
Mean 578.5
RMS 879.6


h174_bbcw_tdc_1
Entries 617
Mean 1238
RMS 1003


h175_bbcw_tdc_2
Entries 617
Mean 1300
RMS 985.9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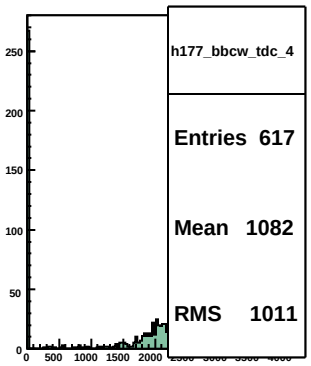
Entries 617
Mean 1200
RMS 1015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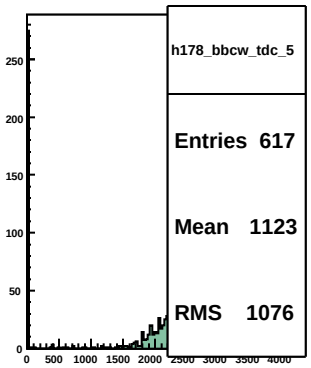
Entries 617
Mean 1082
RMS 1011


h178_bbcw_tdc_5
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Mean 1123
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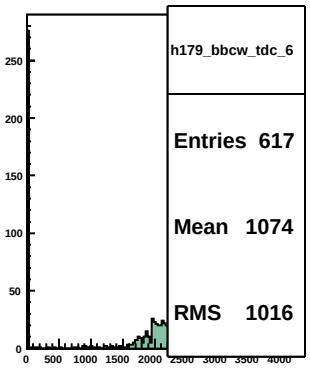
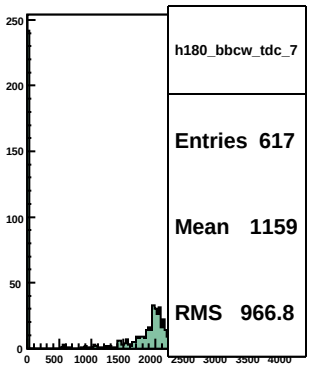

h179_bbcw_tdc_6
Entries 617
Mean 1074
RMS 1016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Entries 617
Mean 1159
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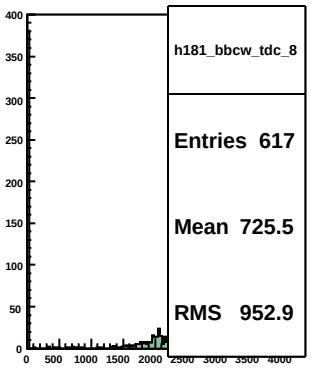
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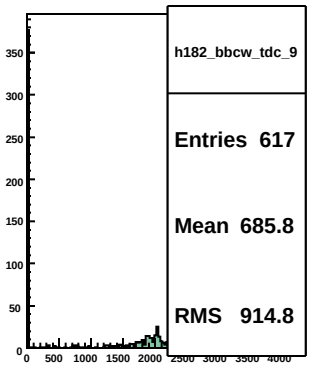
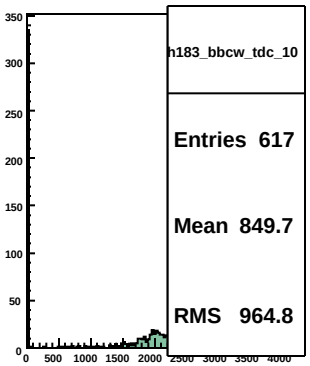
Entries 617
Mean 725.5
RMS 952.9


h182_bbcw_tdc_9
Entries 617
Mean 685.8
RMS 914.8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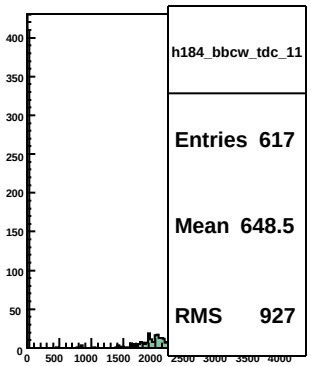
Mean 849.7
RMS 964.8


h184_bbcw_tdc_11
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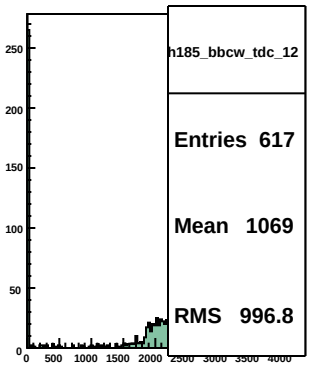
Mean 648.5
RMS 927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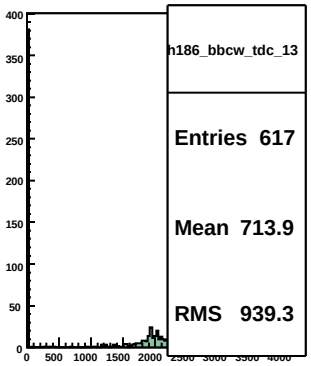
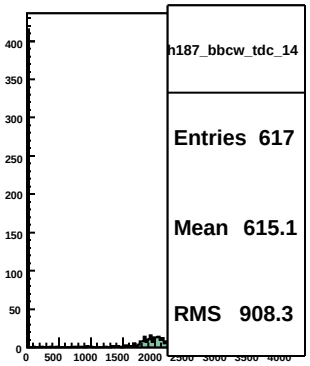
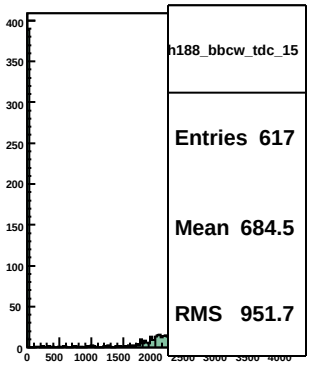
Mean 1069
RMS 996.8


h186_bbcw_tdc_13
Entries 617
Mean 713.9
RMS 939.3


h187_bbcw_tdc_14
Entries 617
Mean 615.1
RMS 908.3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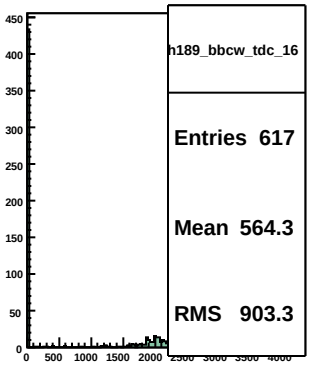
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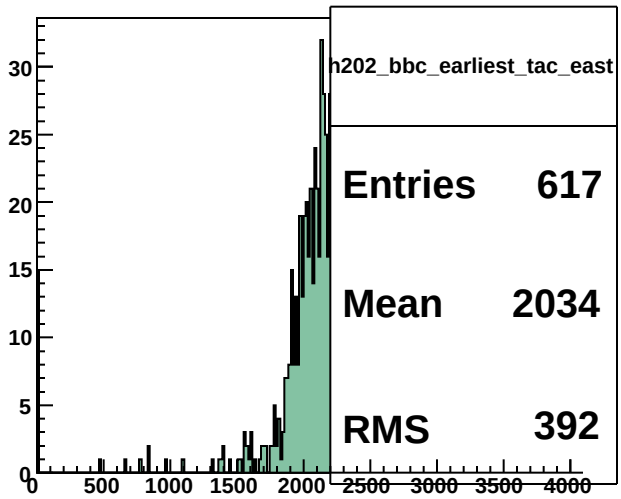
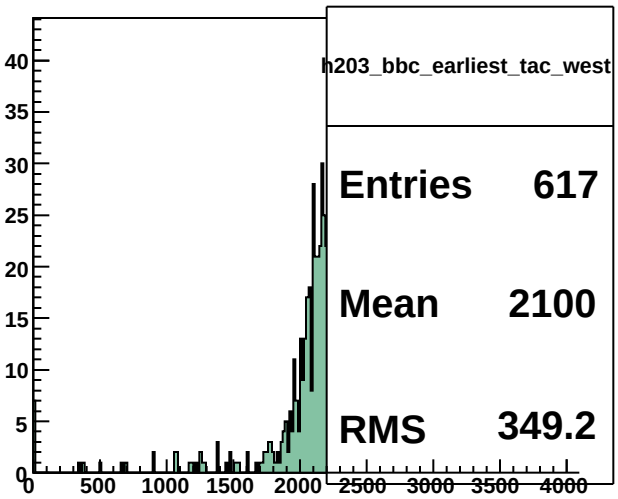
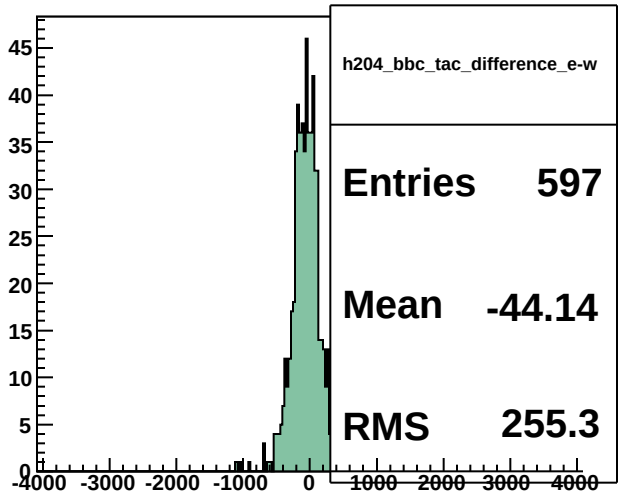
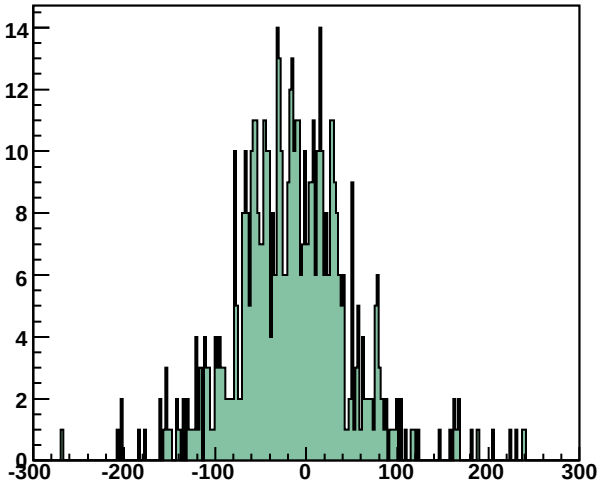
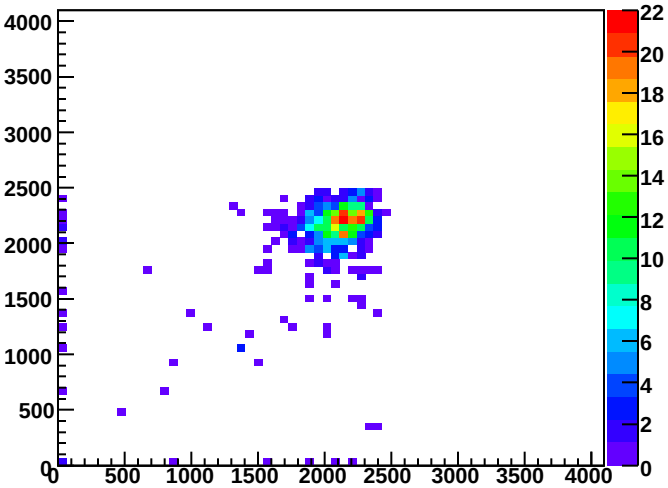
Entries 617
Mean 564.3
RMS 903.3

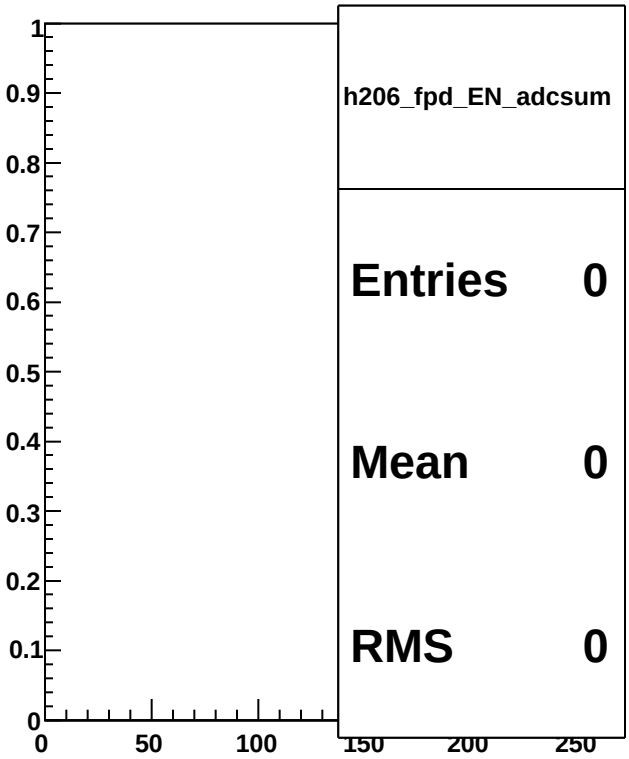

h202_bbc_earliest_tac_east
Entries 617
Mean 2034
RMS 392


h203_bbc_earliest_tac_west
Entries 617
Mean 2100
RMS 349.2


h204_bbc_tac_difference_e-w
Entries 597
Mean -44.14
RMS 255.3



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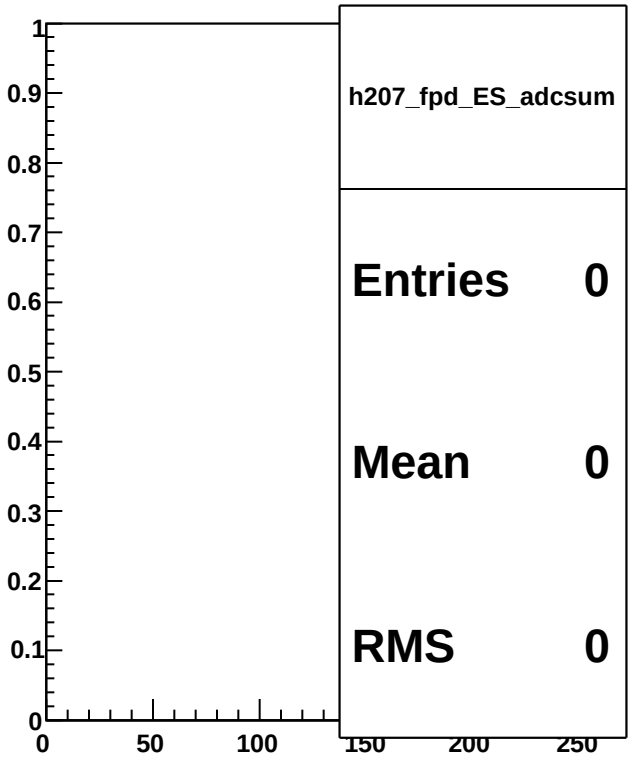
Entries 0
Mean 0
RMS 0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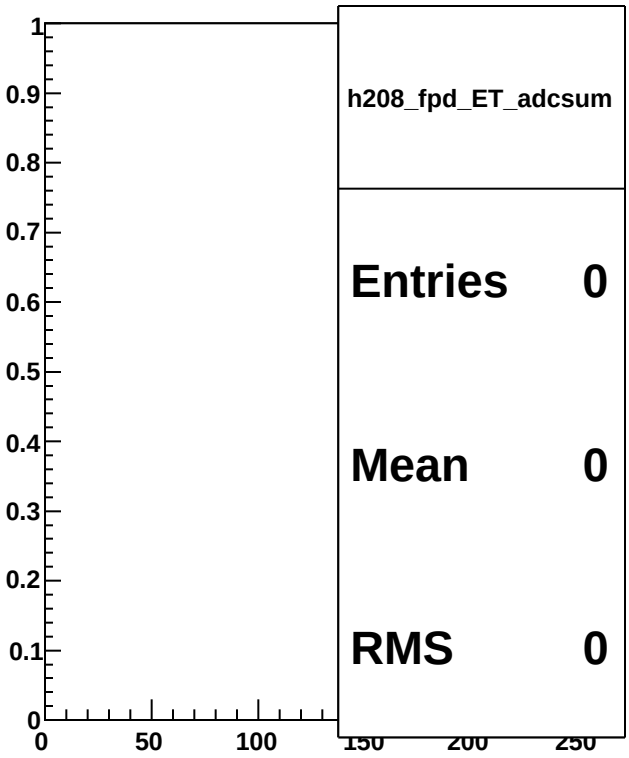
Entries 0
Mean 0
RMS 0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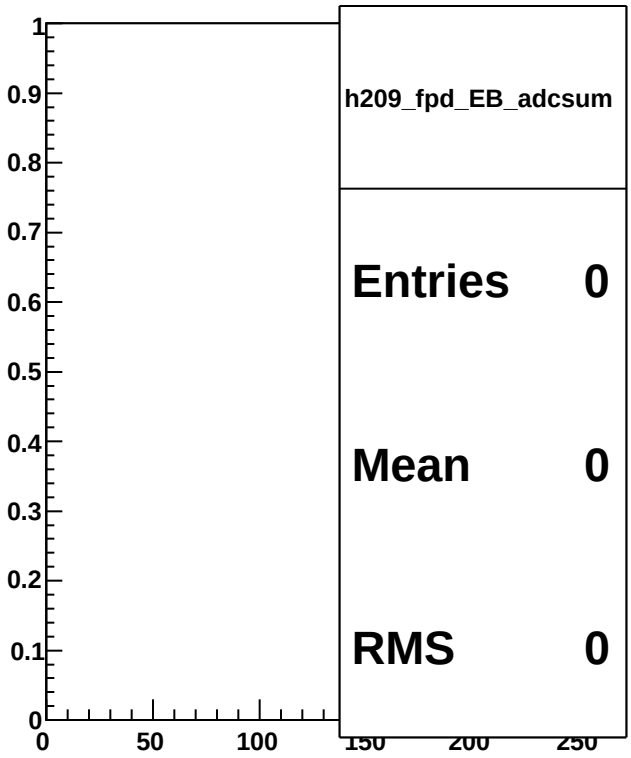
Mean 0
RMS 0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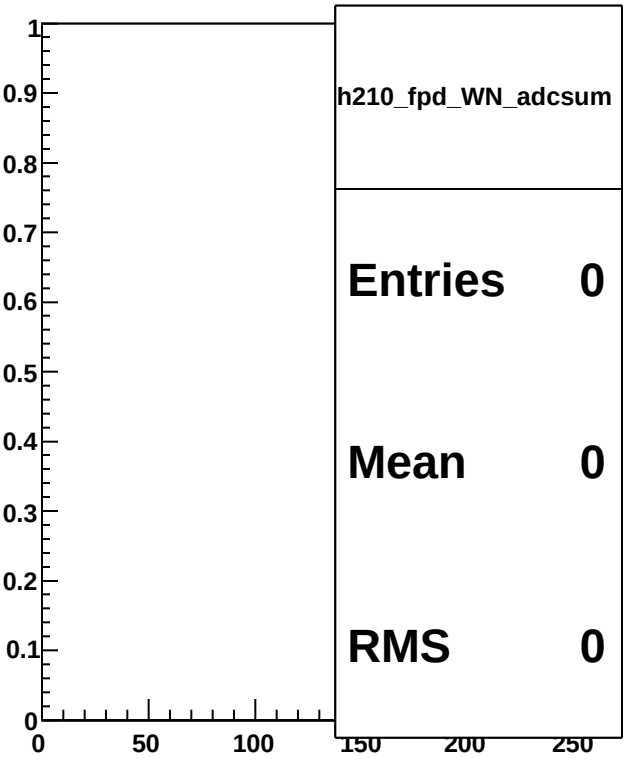
RMS 0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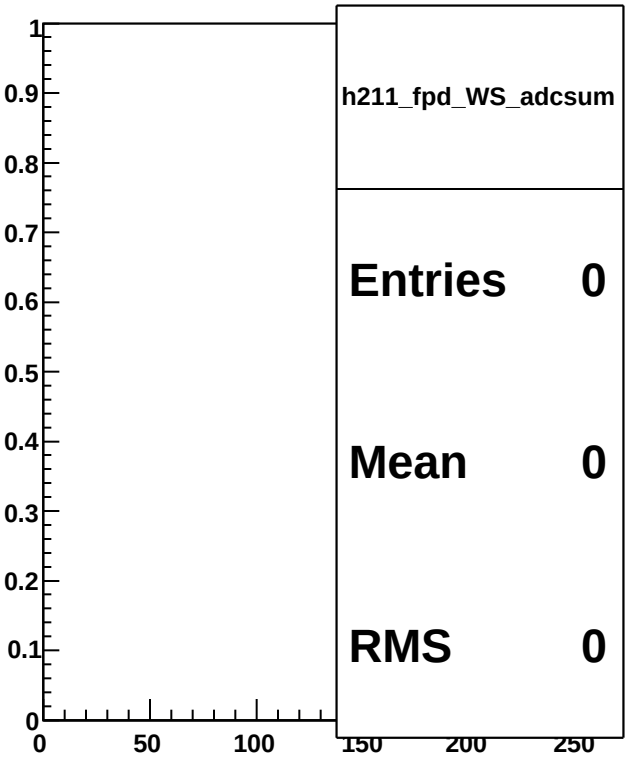
RMS 0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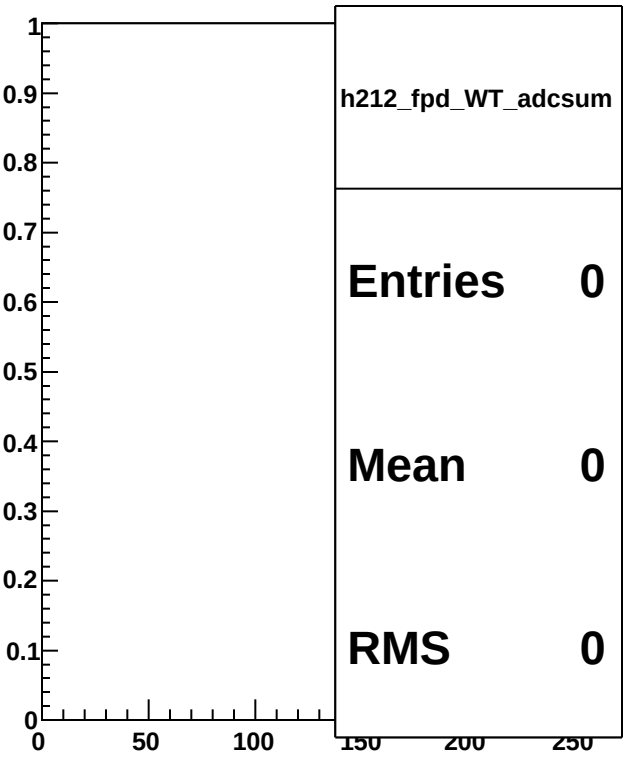
RMS 0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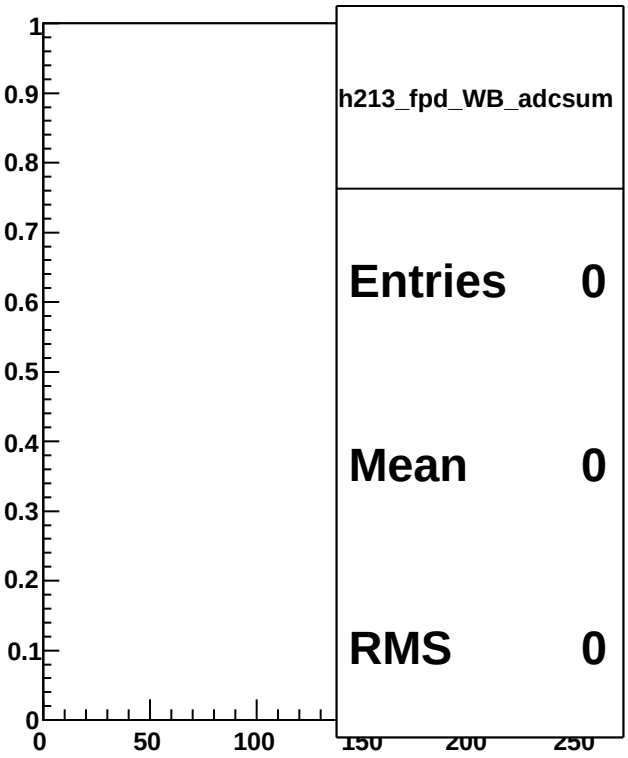
RMS 0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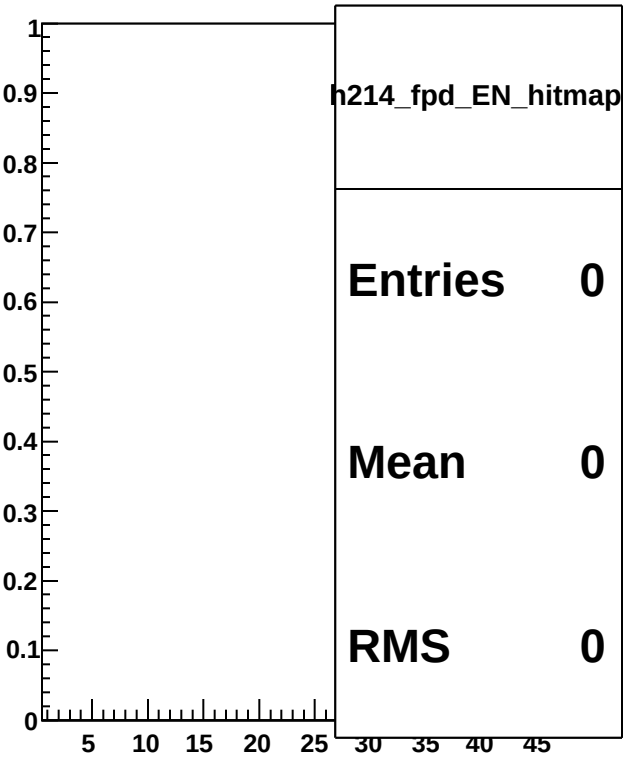
RMS 0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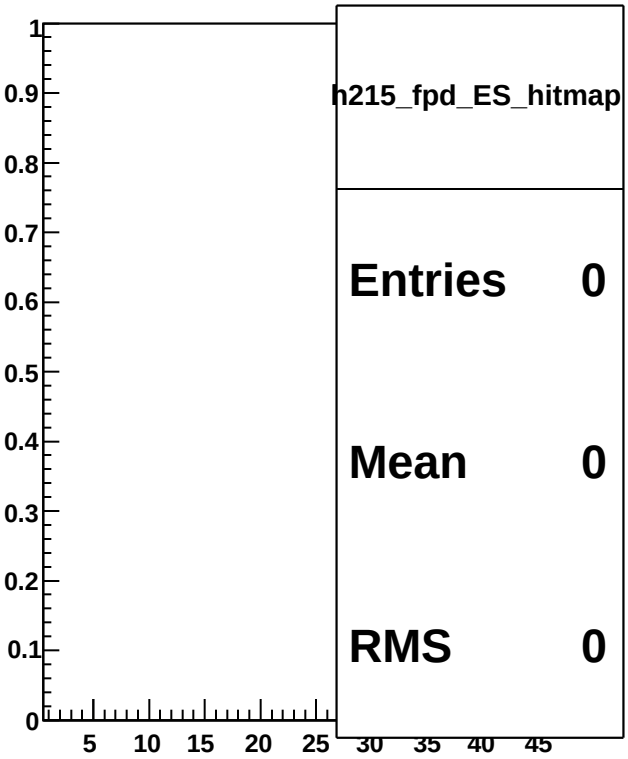
Entries 0
Mean 0
RMS 0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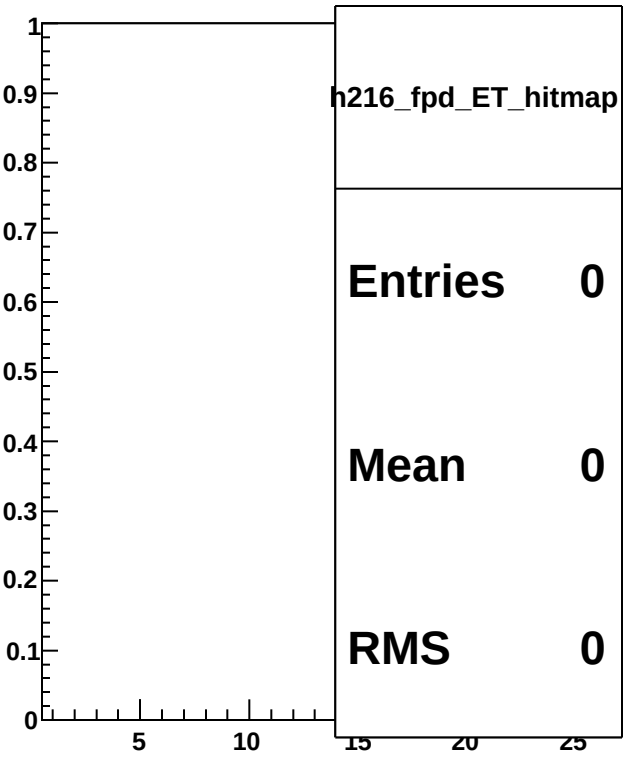
Entries 0
Mean 0
RMS 0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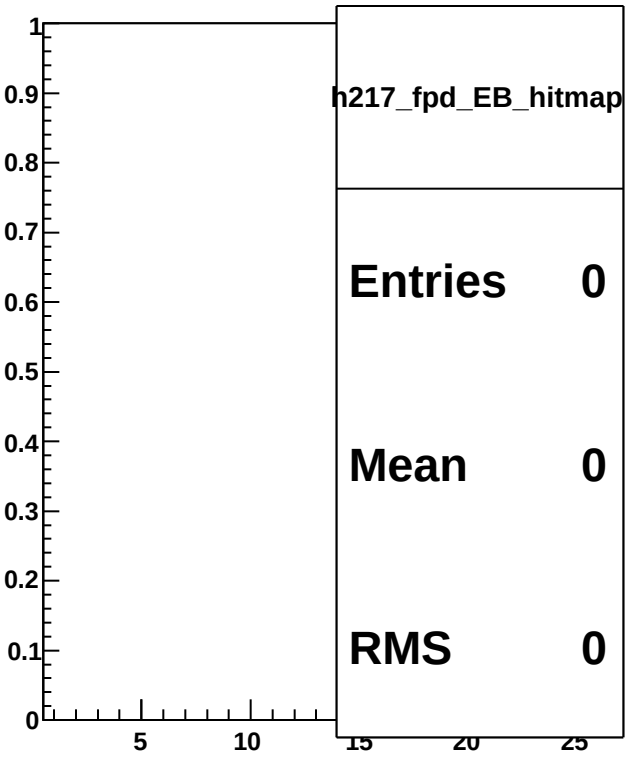
Entries 0
Mean 0
RMS 0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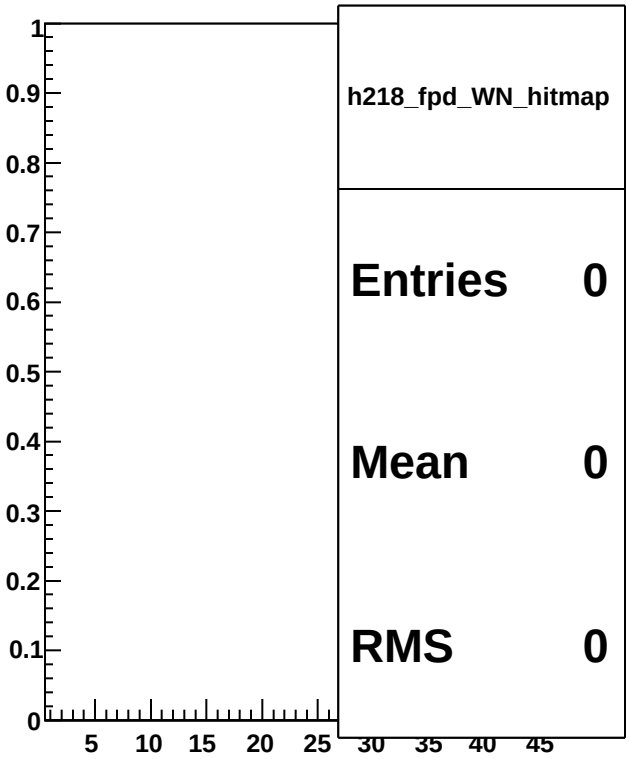
RMS 0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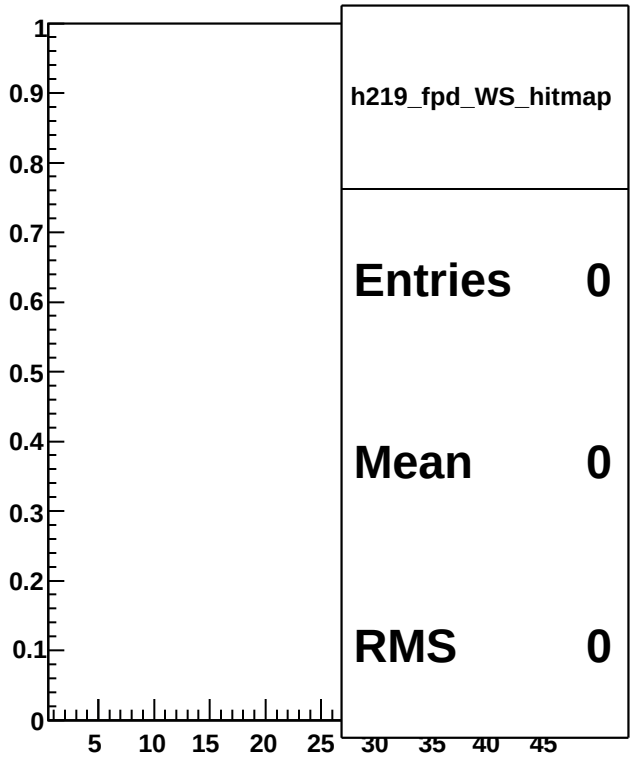
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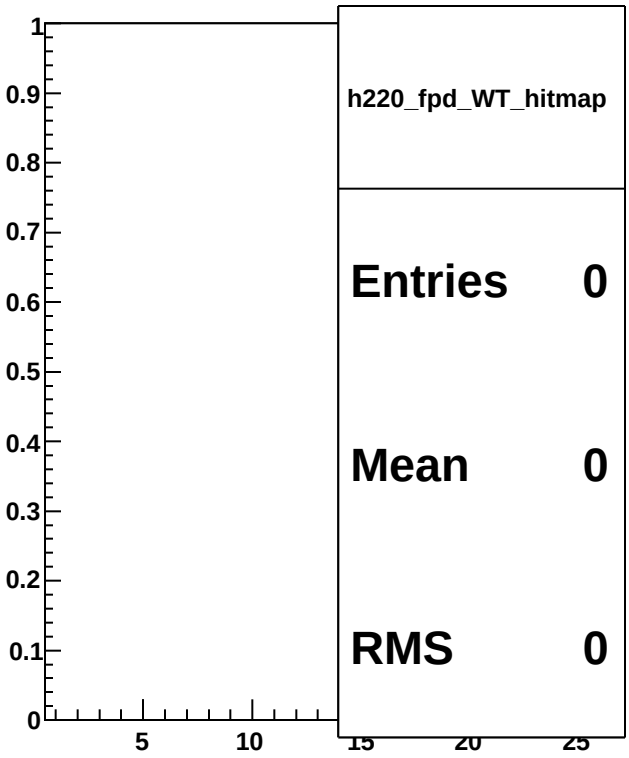
RMS 0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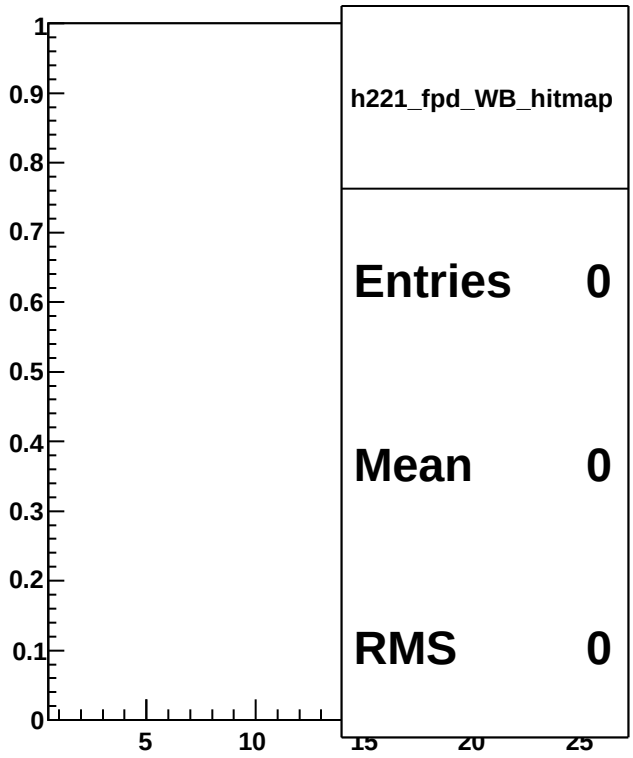
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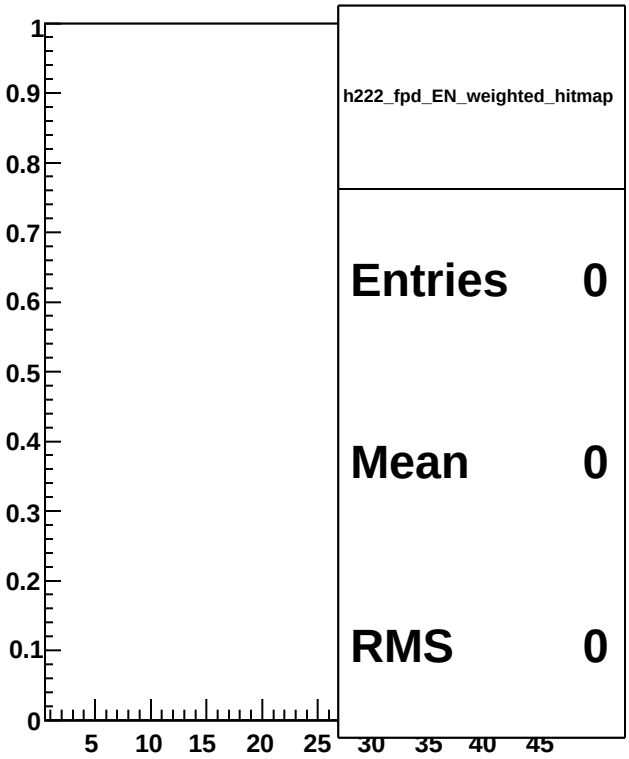
Mean 0
RMS 0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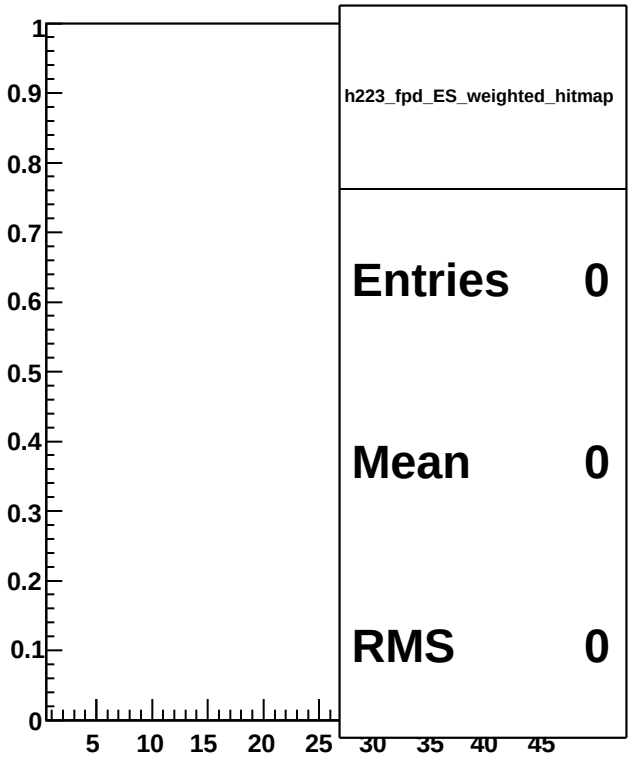
Mean 0
RMS 0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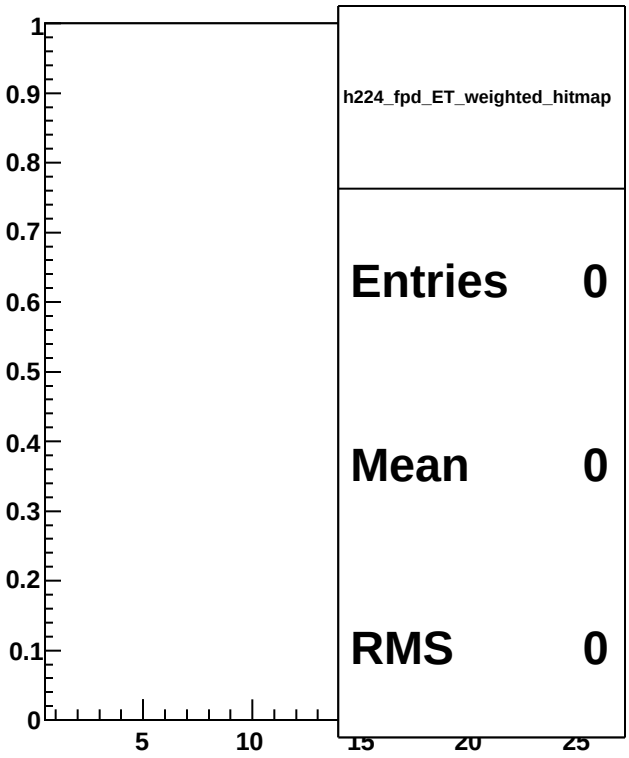
RMS 0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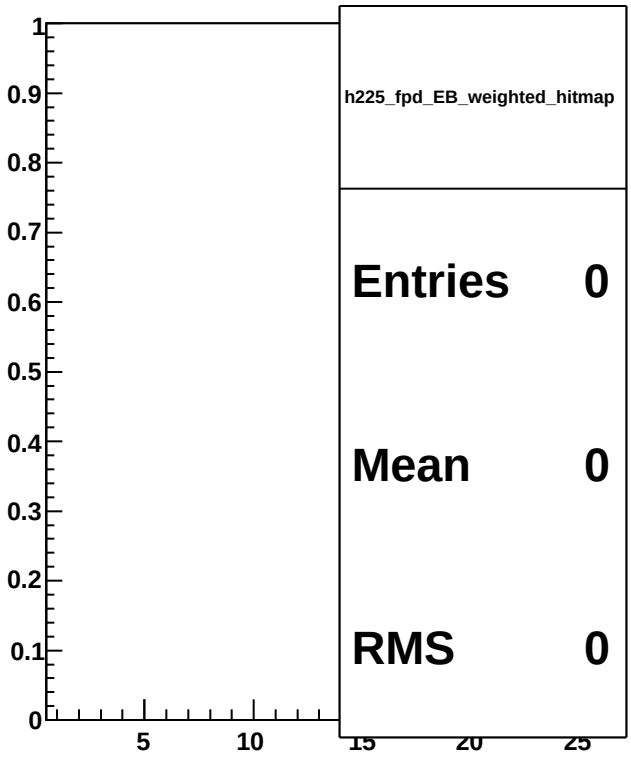
RMS 0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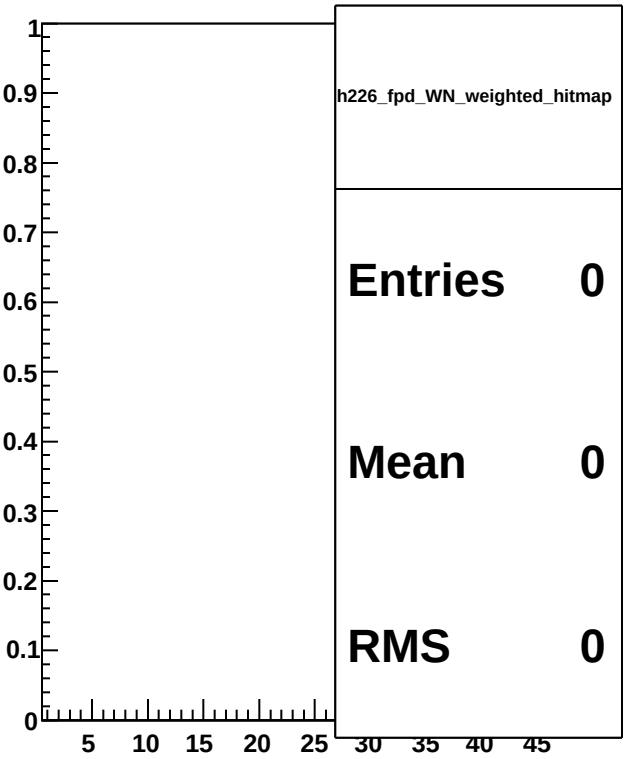
RMS 0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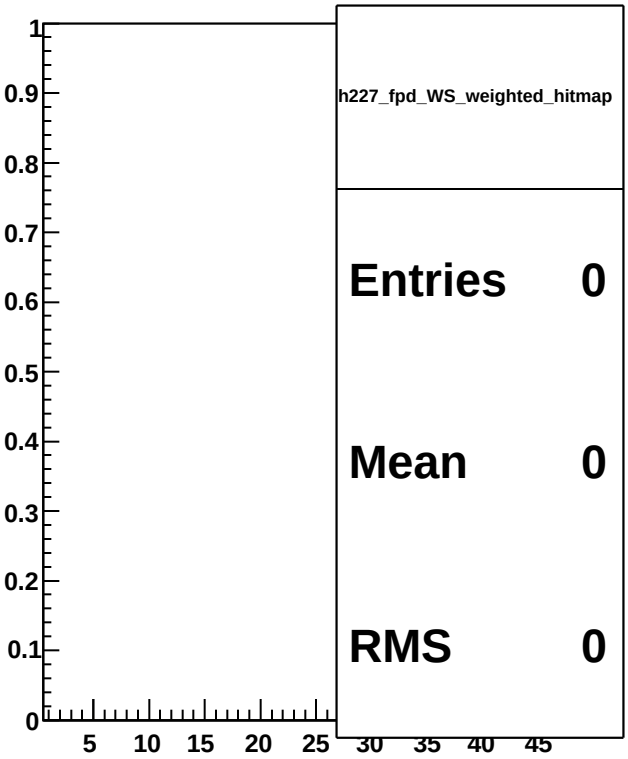
Mean 0
RMS 0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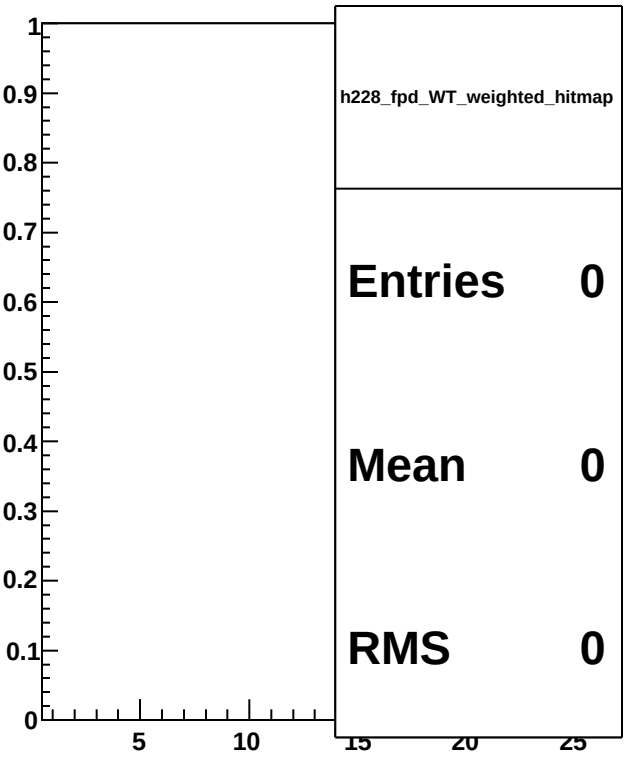
Entries 0
Mean 0
RMS 0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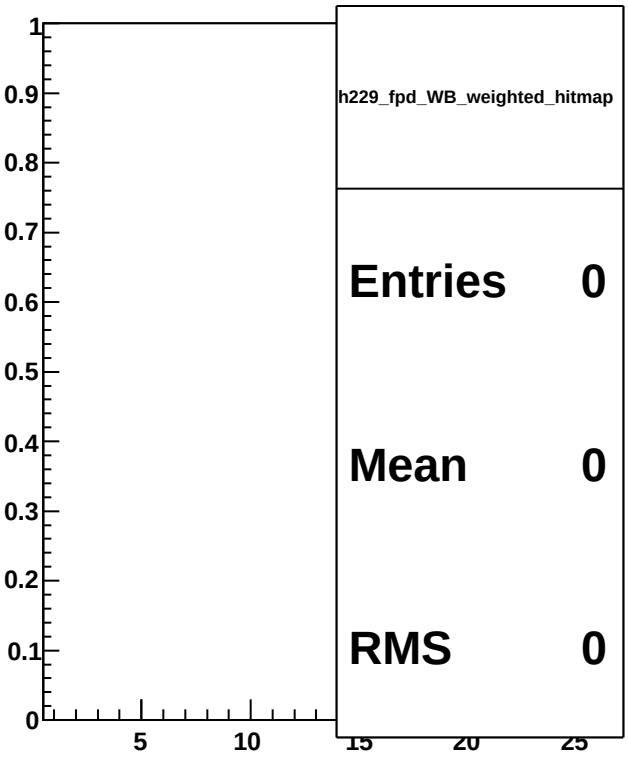
Entries 0
Mean 0
RMS 0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Mean 0
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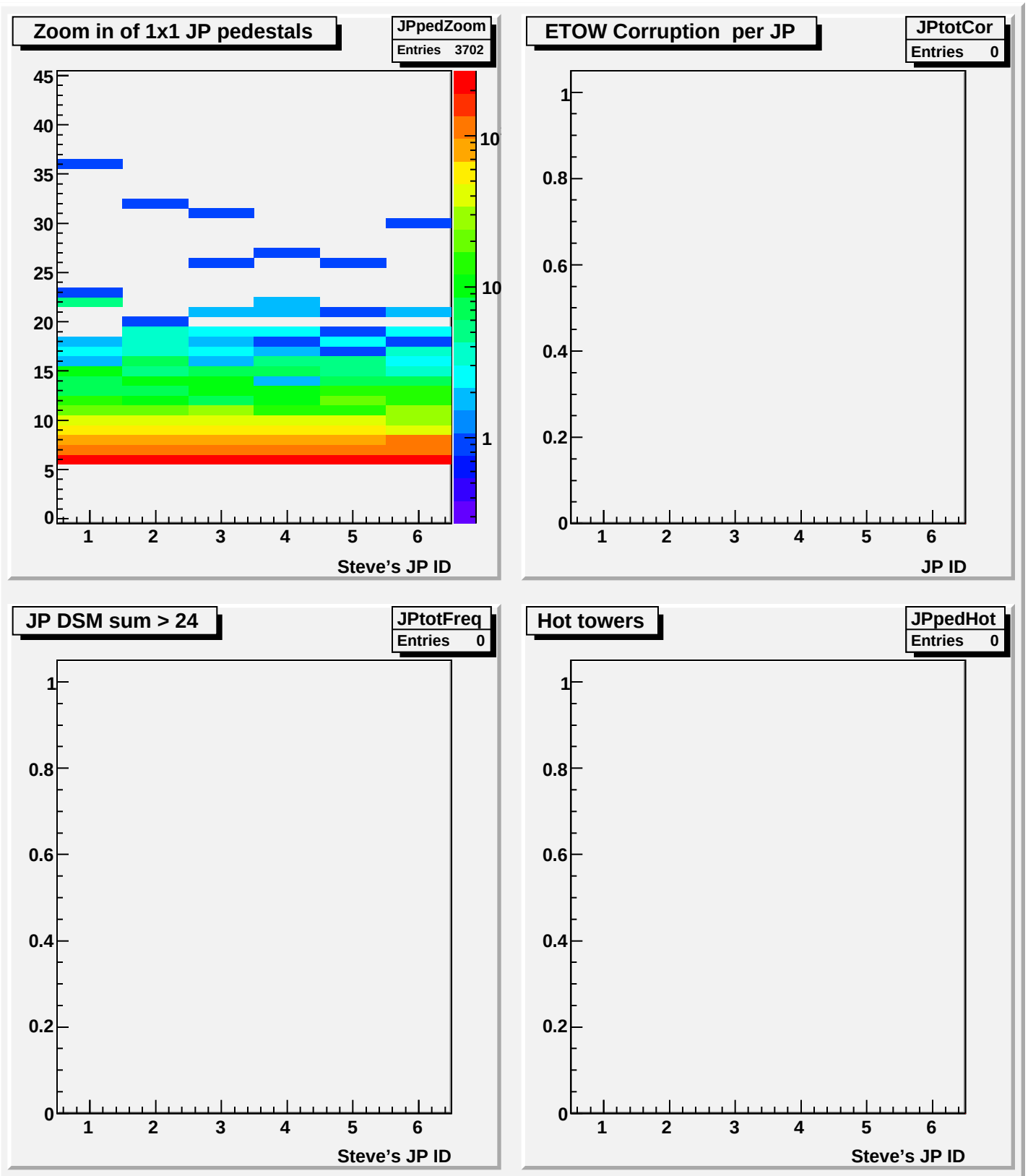


**ETOW masked (cr-ch-name): 1-97-12TC05, 4-117-07TC05, 4-18-06TA03, 2-98-02TC06, 6-67-11TB08,**

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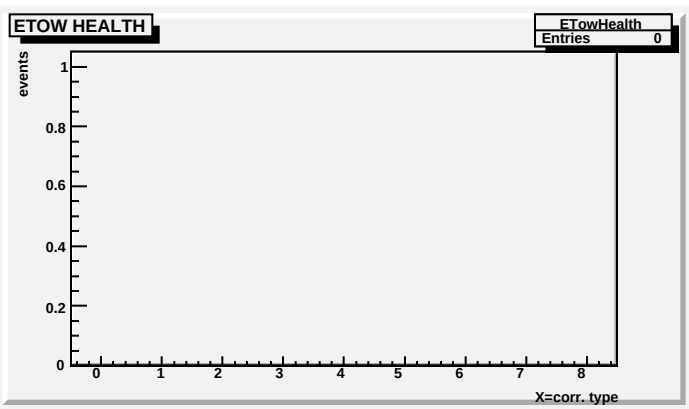
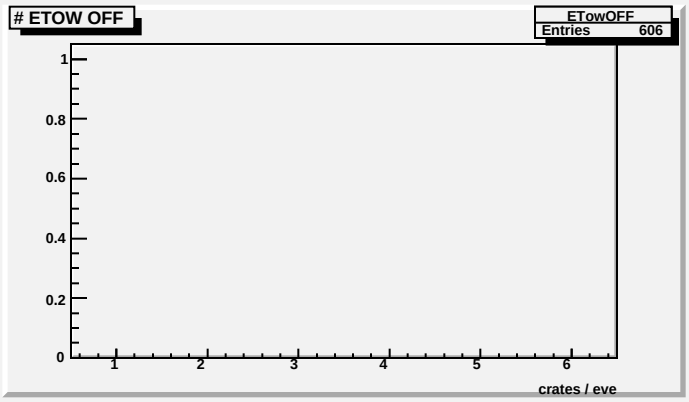

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

# ETOW head corr
ETowHeadCorr
Entries 606
crates / eve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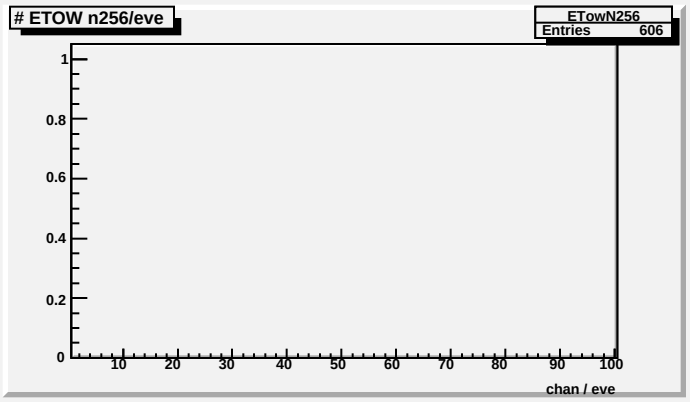
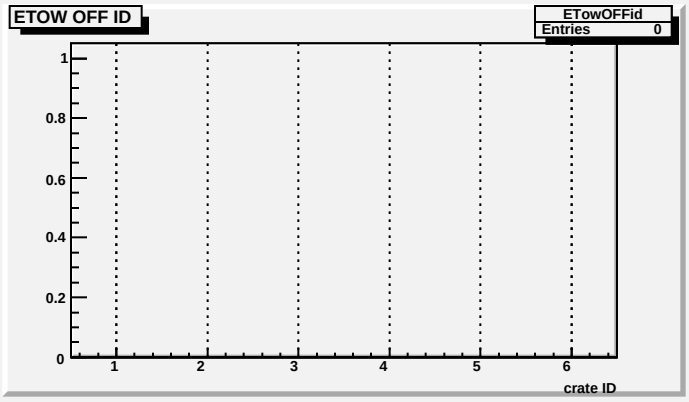
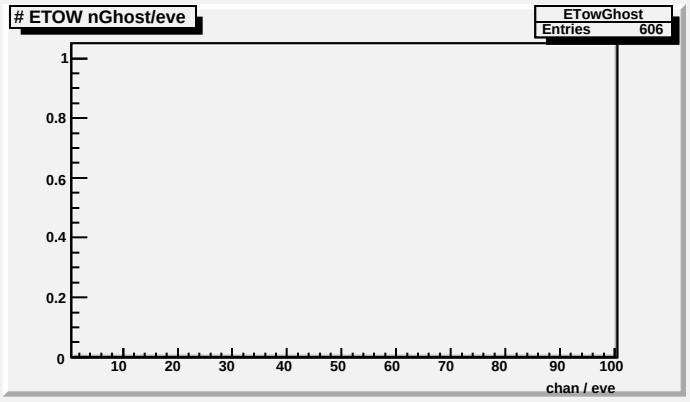
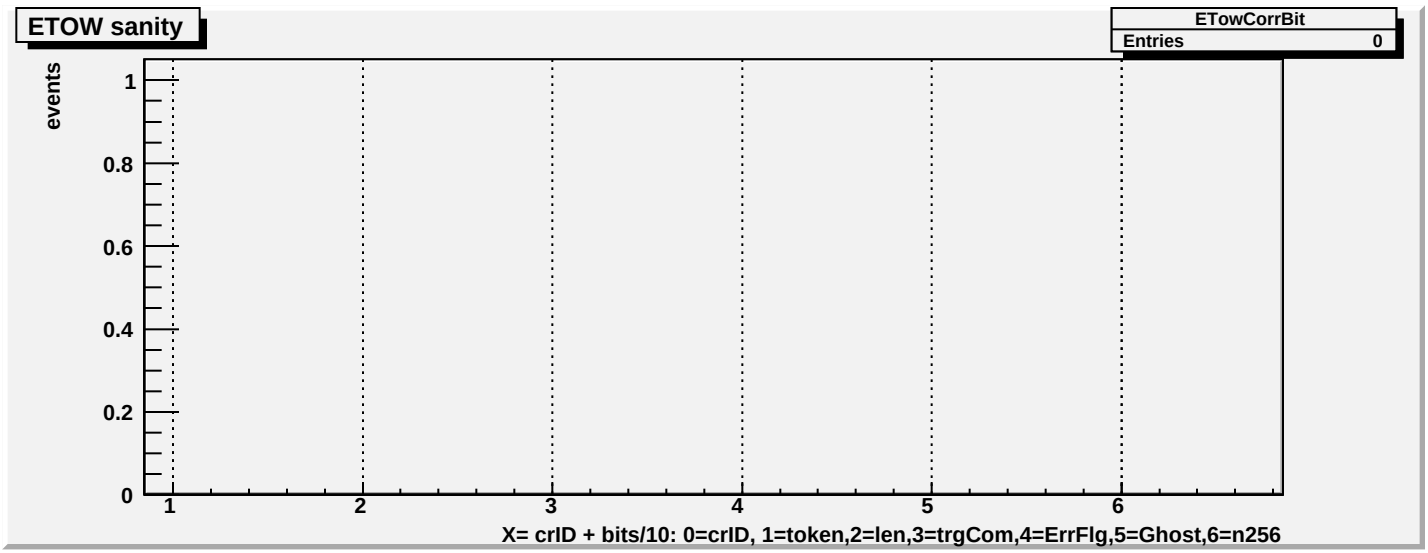
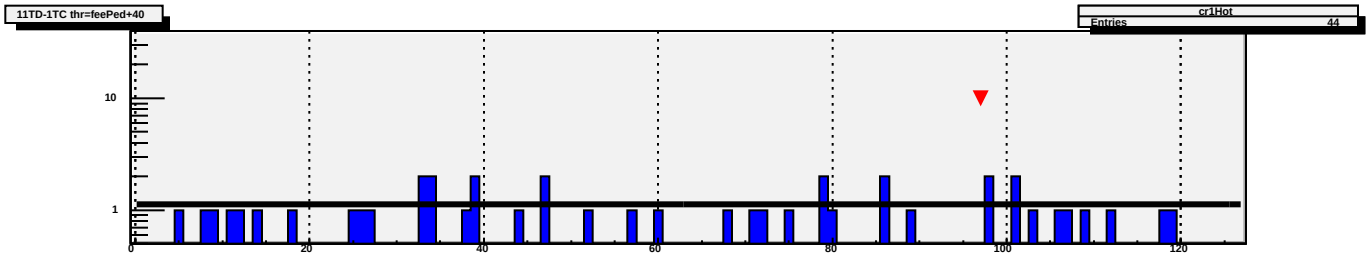
Entries 606
crates / eve

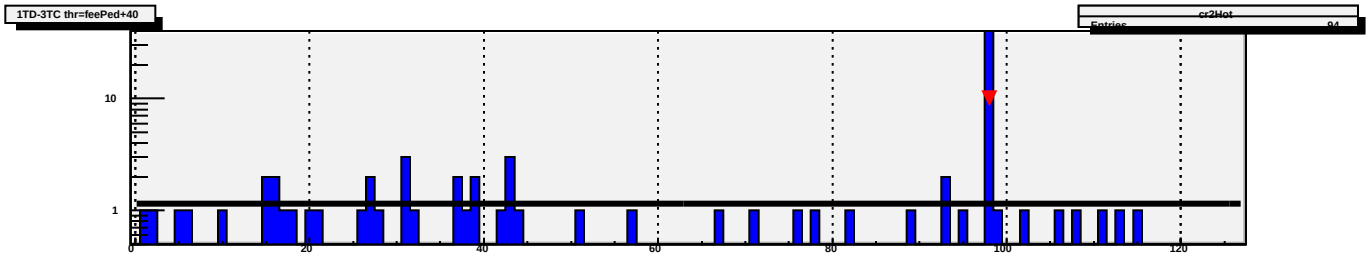

# ETOW n256/eve
ETowN256
Entries 606
chan / eve

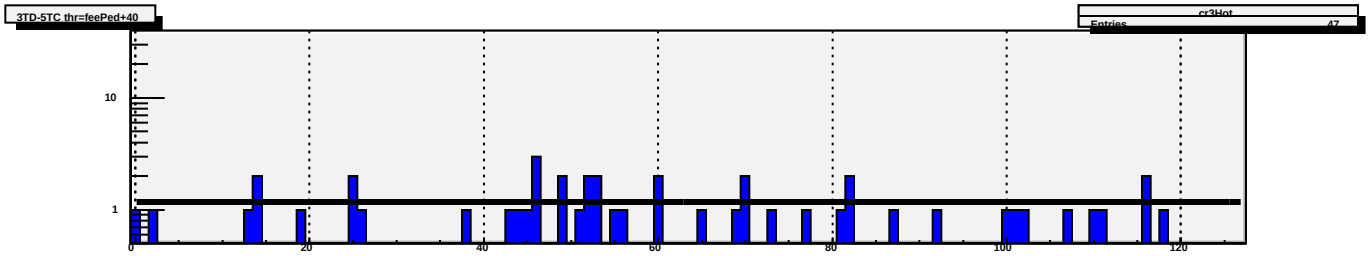

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

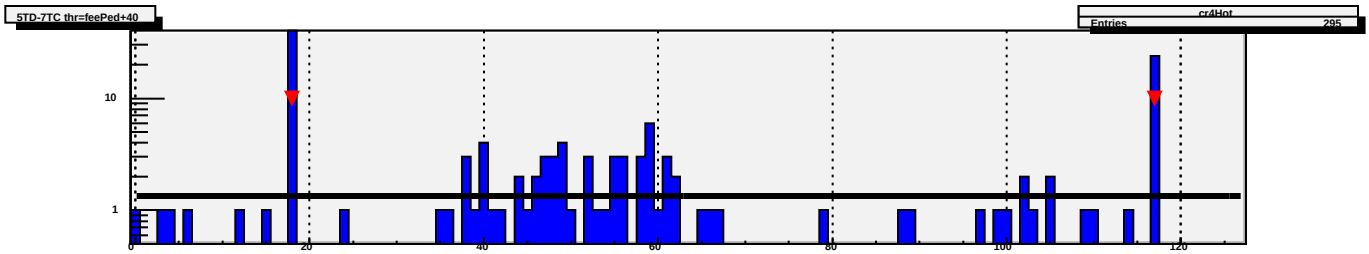

# ETOW nGhost/eve
ETowGhost
Entries 606
chan / eve

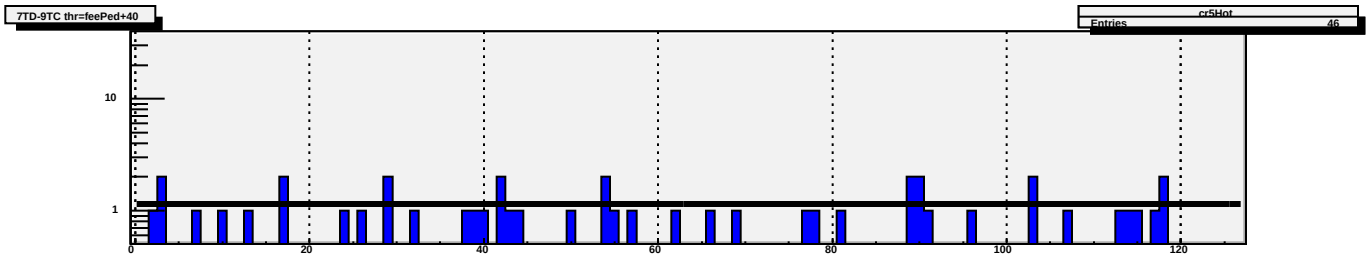

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

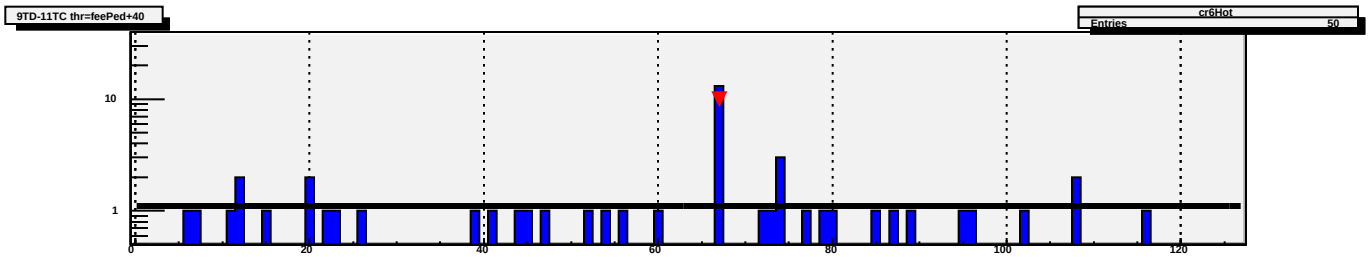

11TD-1TC thr=feePed+40
cr1Hot
Entries 44
10
1
0
20
40
60
80
100
120

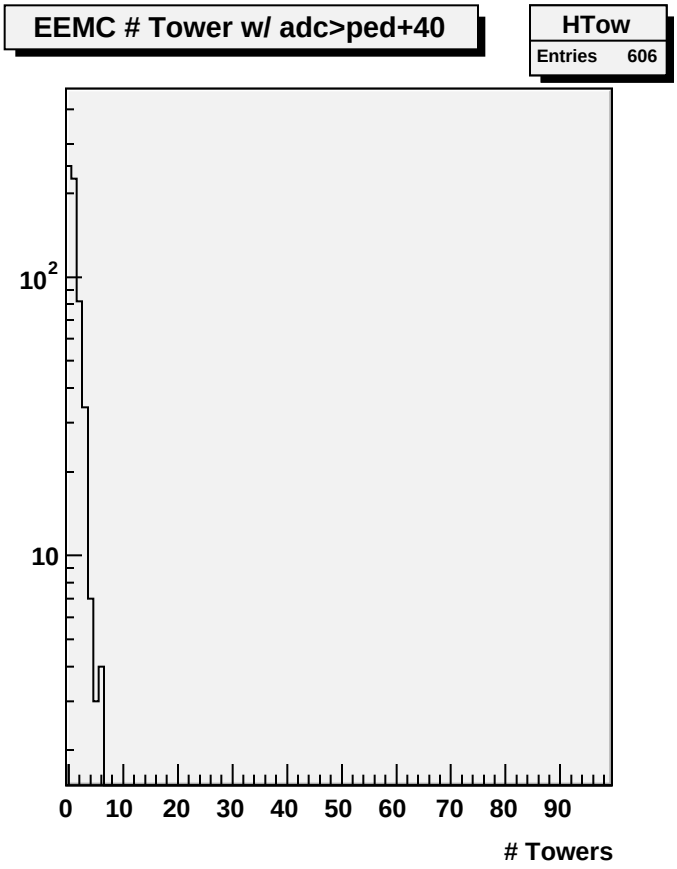

1TD-3TC thr=feePed+40
cr2Hot
Entries 94
10
1
0
20
40
60
80
100
120

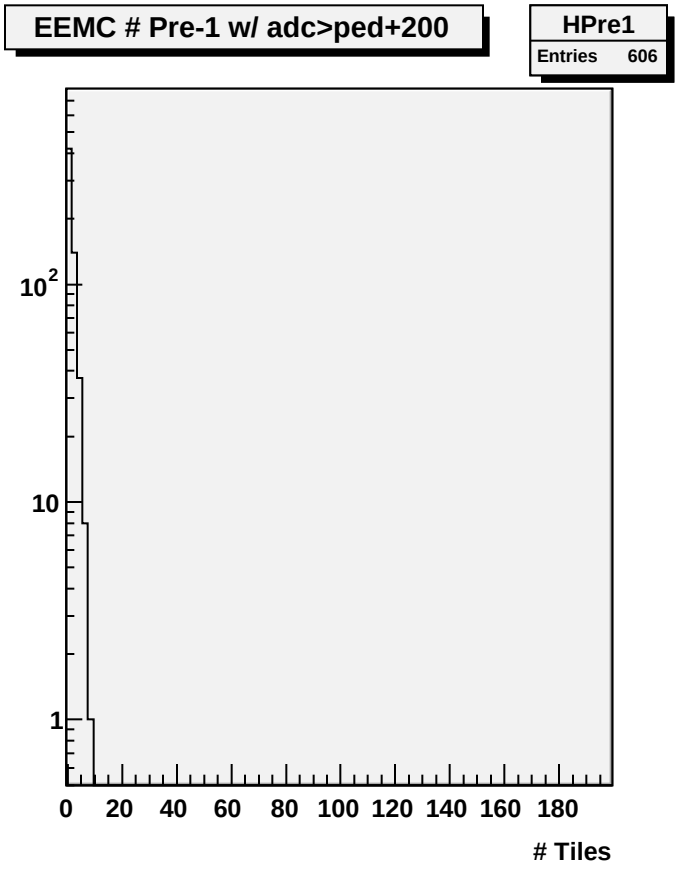

3TD-5TC thr=feePed+40
cr3Hot
Entries 47
10
1
0
20
40
60
80
100
120

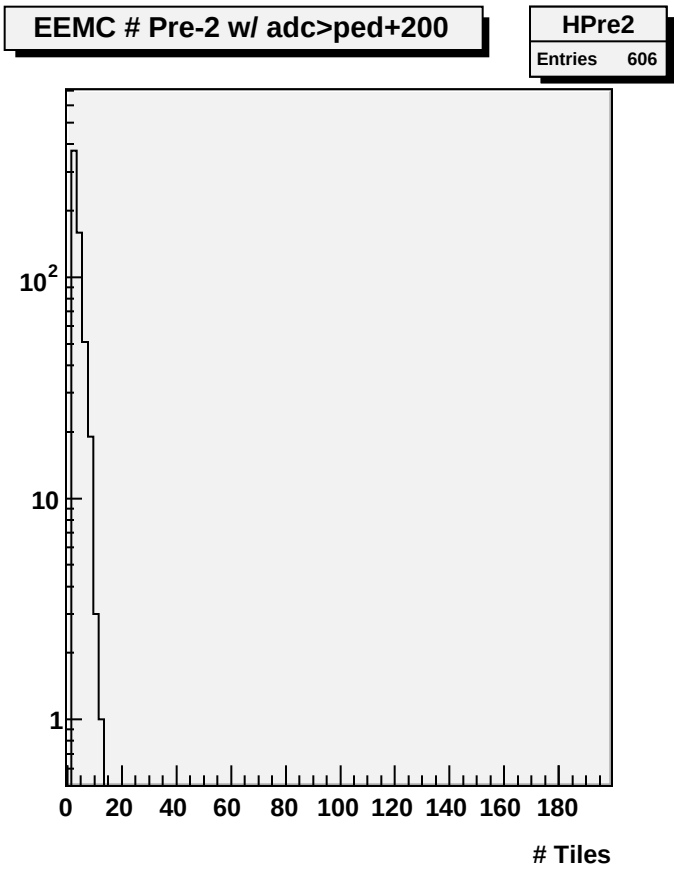

5TD-7TC thr=feePed+40
cr4Hot
Entries 295
10
1
0
20
40
60
80
100
120

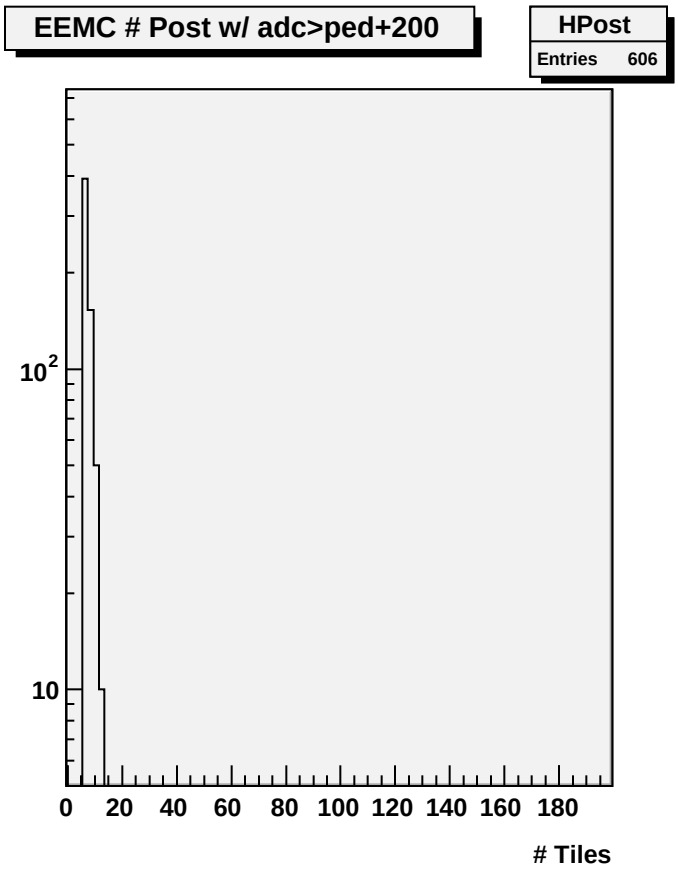

7TD-9TC thr=feePed+40
cr5Hot
Entries 46
10
1
0
20
40
60
80
100
120

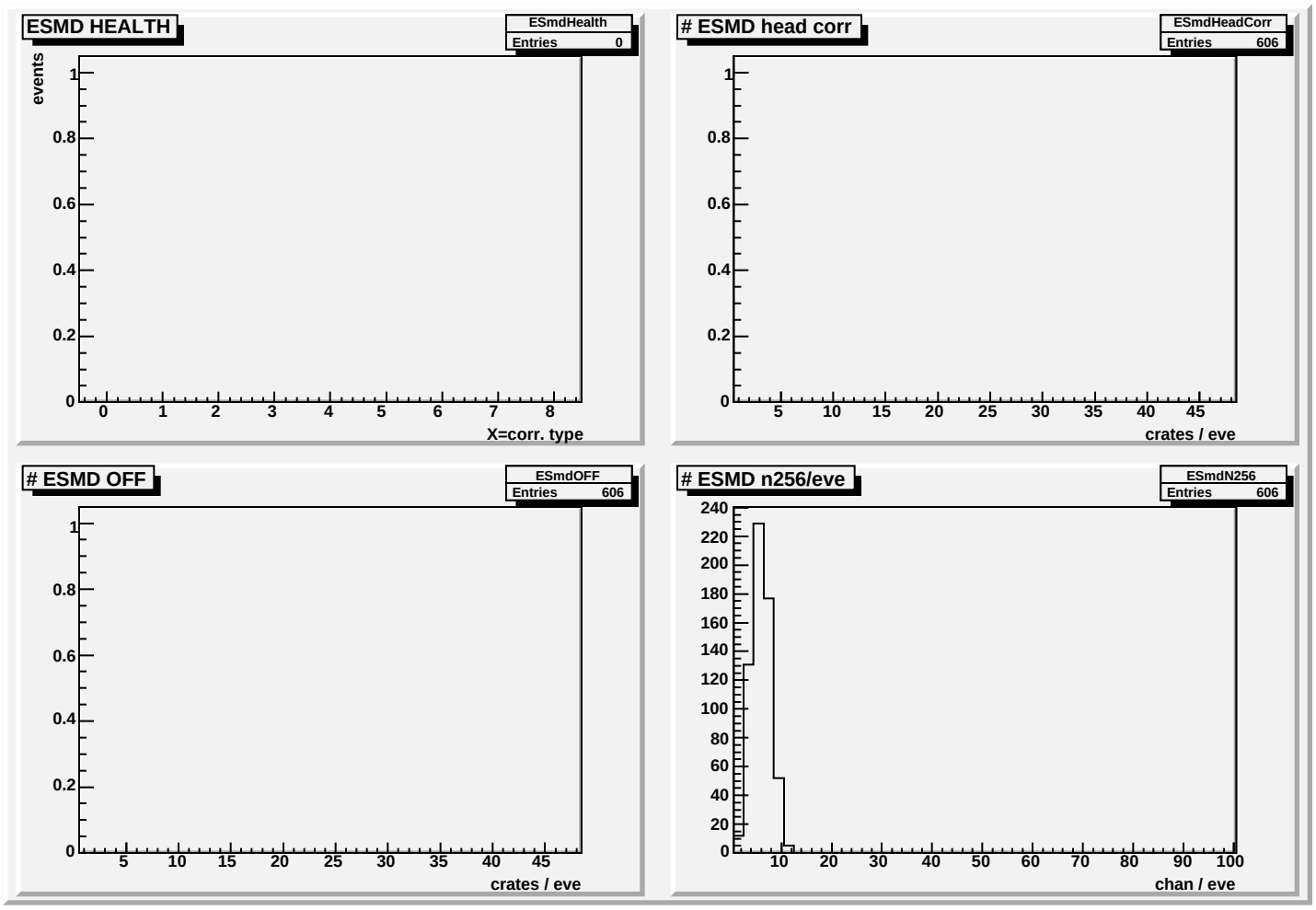

9TD-11TC thr=feePed+40
cr6Hot
Entries 50
10
1
0
20
40
60
80
100
120

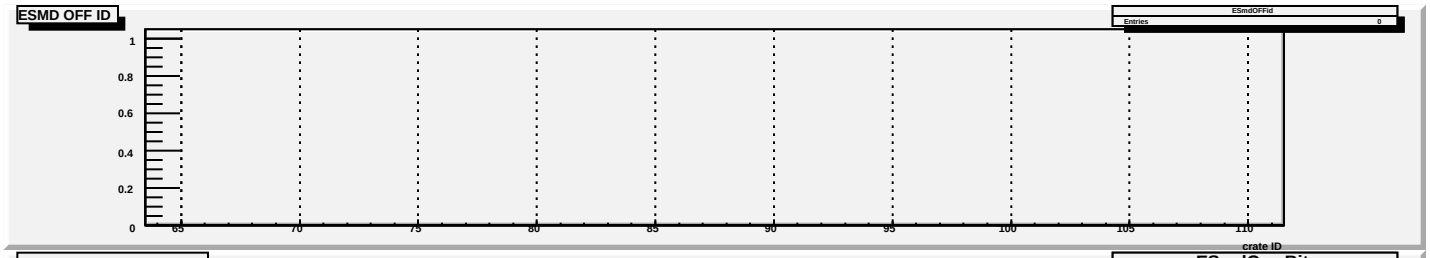

EEMC # Tower w/ adc>ped+40
HTow
Entries 606
$10^2$
10
0 10 20 30 40 50 60 70 80 90
# Towers

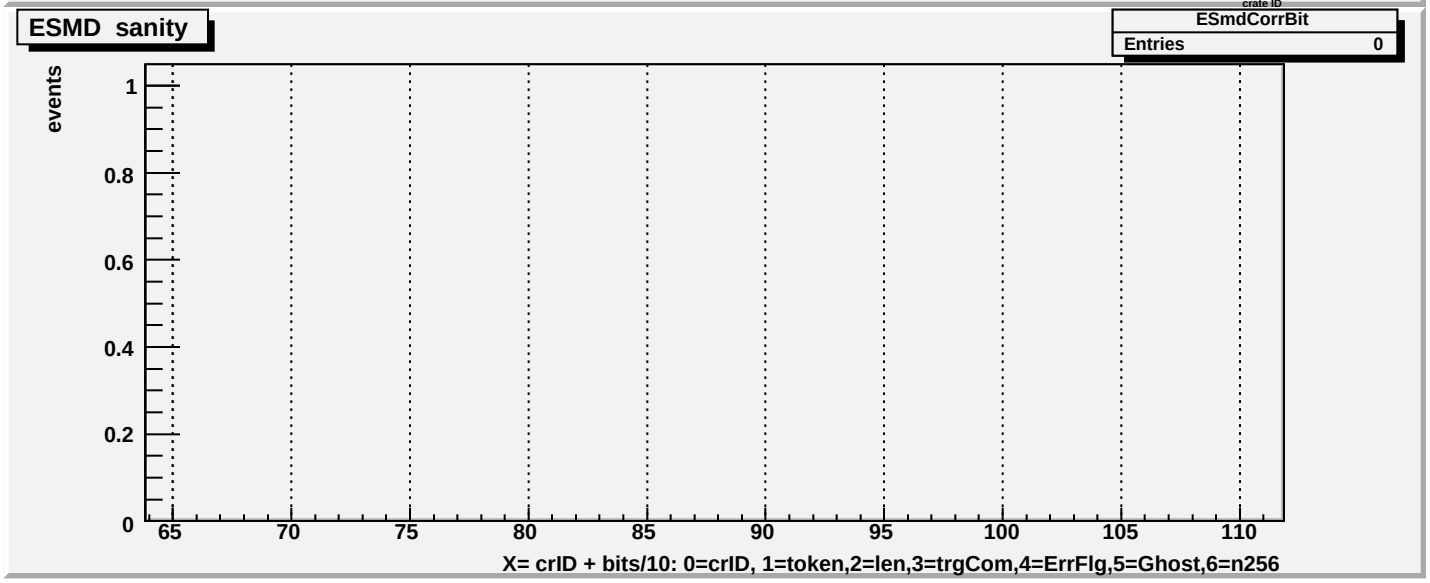

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 606
$10^2$
10
1
0 20 40 60 80 100 120 140 160 180
# Tiles

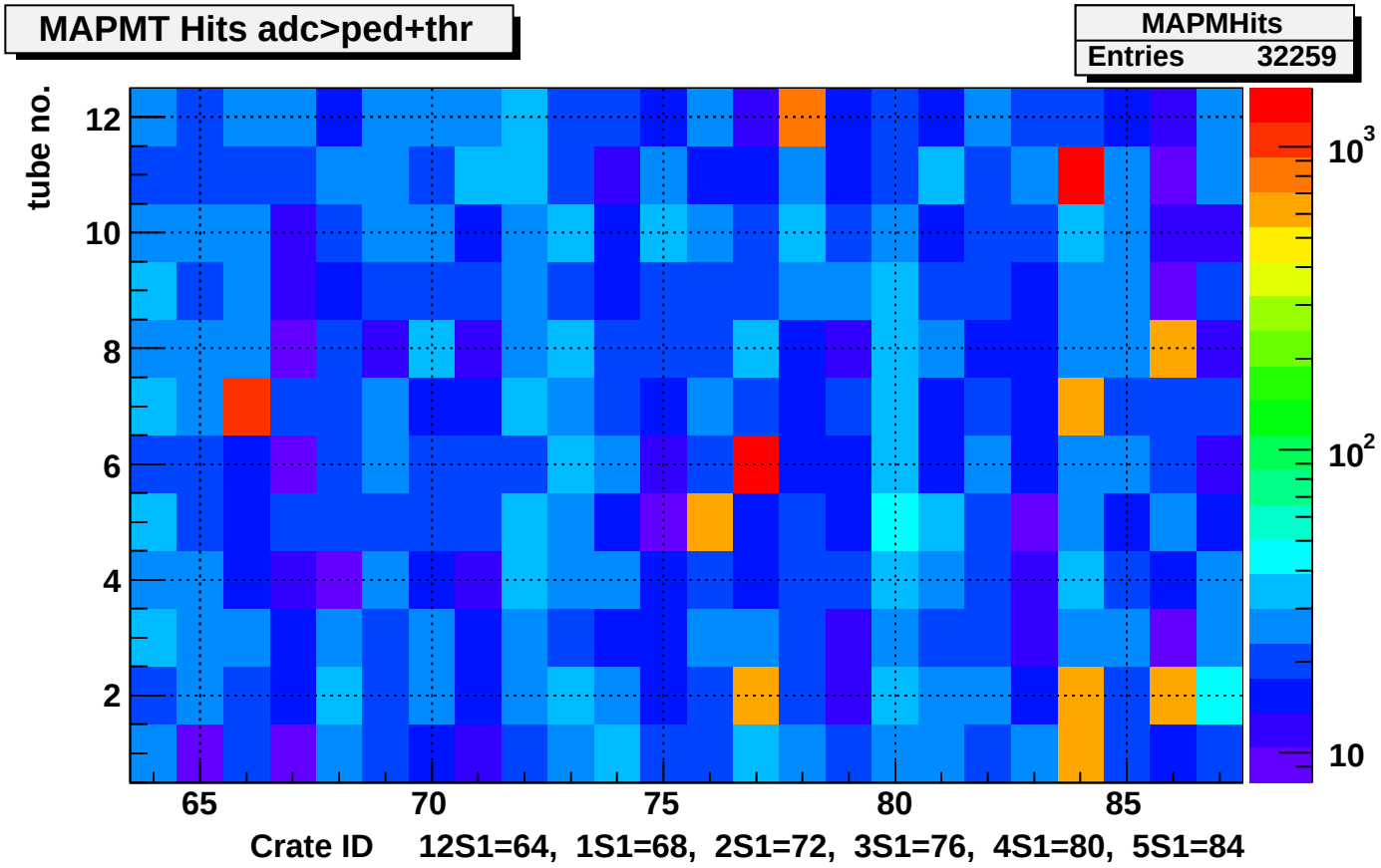

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 606
$10^2$
10
1
0 20 40 60 80 100 120 140 160 180
# Tiles

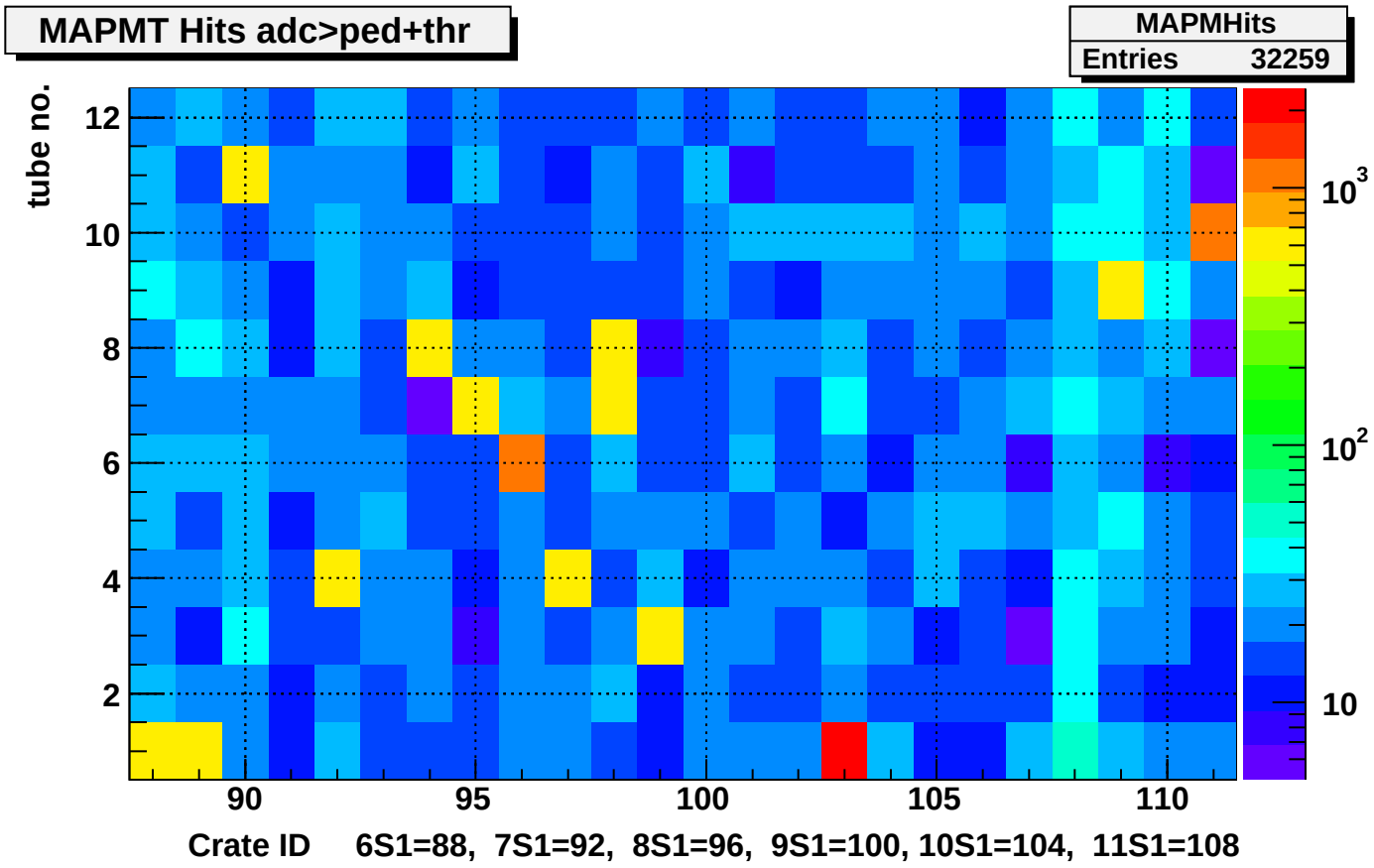

EEMC # Post w/ adc>ped+200
HPost
Entries 606
$10^2$
10
0 20 40 60 80 100 120 140 160 180
# Tiles

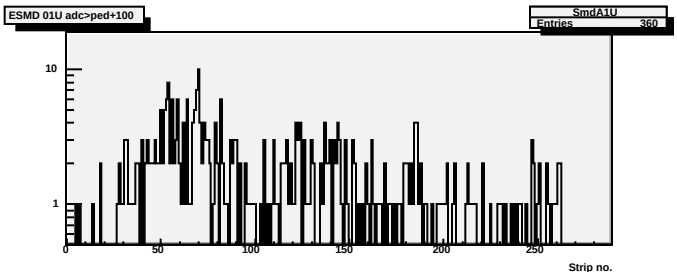

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type
# ESMD head corr
ESmdHeadCorr
Entries 606
crates / eve
# ESMD OFF
ESmdOFF
Entries 606
crates / eve
# ESMD n256/eve
ESmdN256
Entries 606
chan / eve

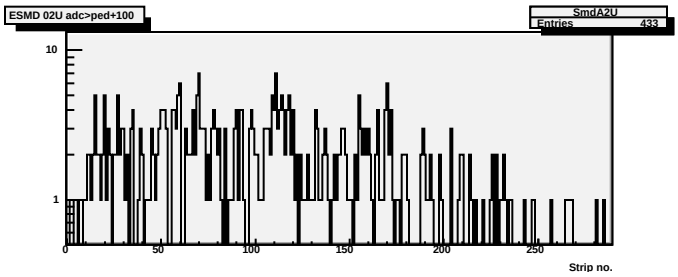

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

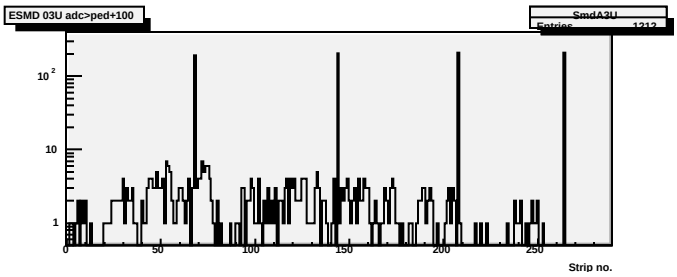

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

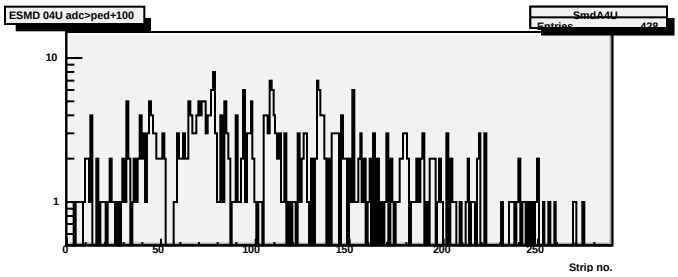

MAPMT Hits adc>ped+thr
MAPMHits
Entries 32259
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84
$10^3$
$10^2$
10

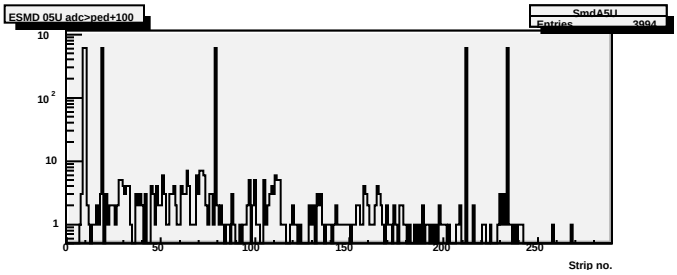

MAPMT Hits adc>ped+thr
MAPMHits
Entries 32259
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108
$10^3$
$10^2$
10

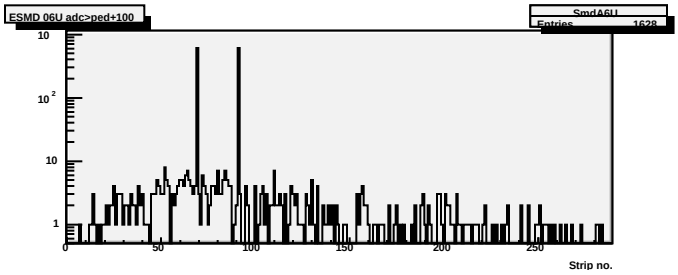

ESMD 01U adc>ped+100
SmdA1U
Entries 360
Strip no.

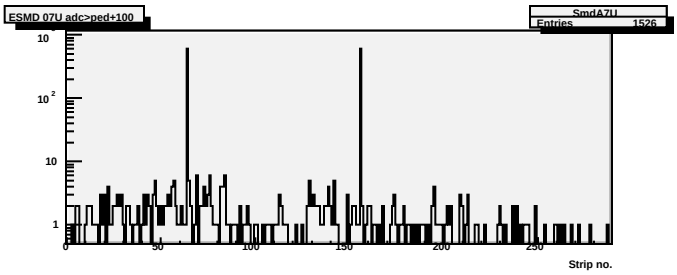

ESMD 02U adc>ped+100
SmdA2U
Entries 433
Strip no.

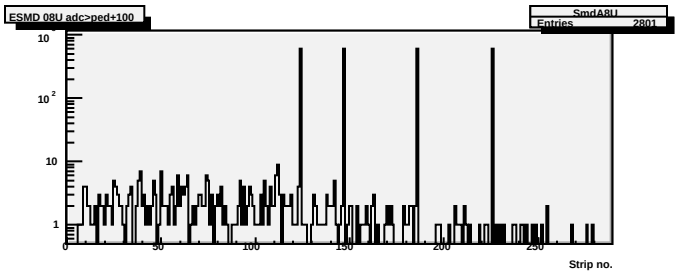

ESMD 03U adc>ped+100
SmdA3U
Entries 1212
Strip no.

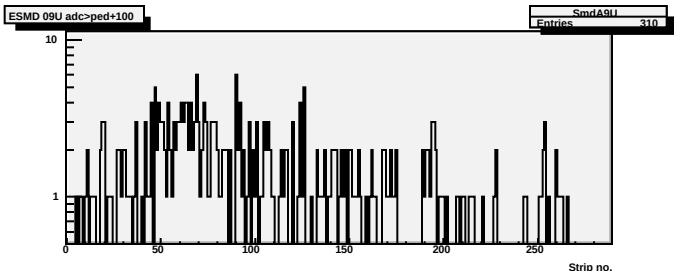

ESMD 04U adc>ped+100
SmdA4U
Entries 428
Strip no.

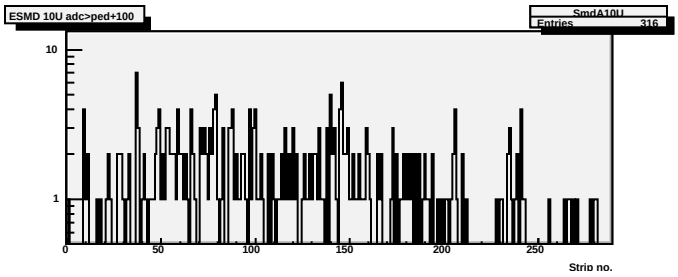

ESMD 05U adc>ped+100
SmdA5U
Entries 3994
Strip no.

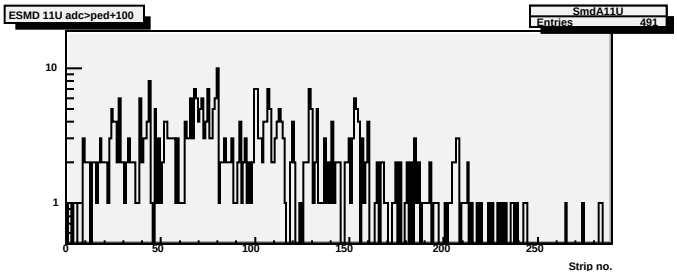

ESMD 06U adc>ped+100
SmdA6U
Entries 1628
Strip no.

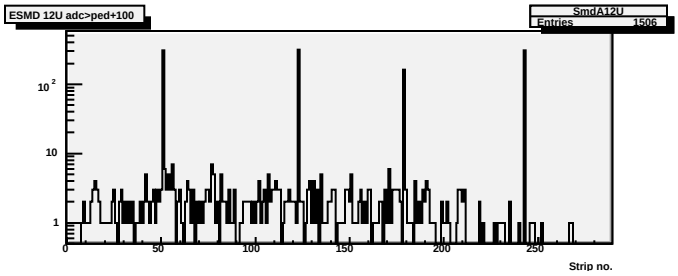

ESMD 07U adc>ped+100
SmdA7U
Entries 1526
Strip no.

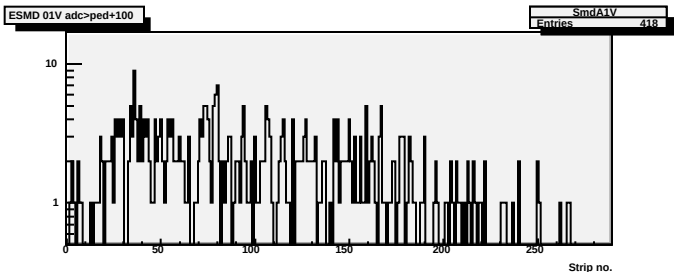

ESMD 08U adc>ped+100
SmdA8U
Entries 2801
Strip no.

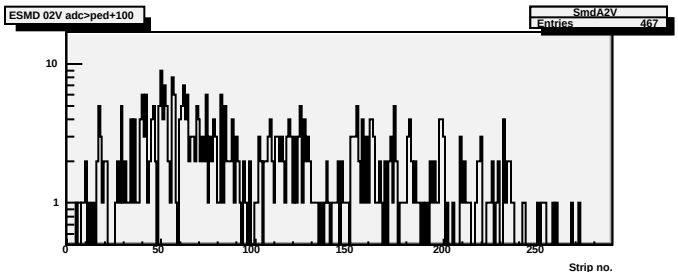

ESMD 09U adc>ped+100
SmdA9U
Entries 310
Strip no.

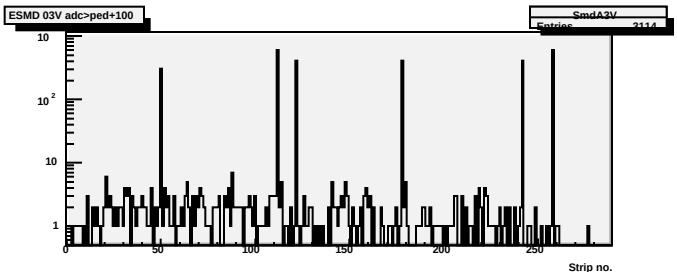

ESMD 10U adc>ped+100
SmdA10U
Entries 316
Strip no.

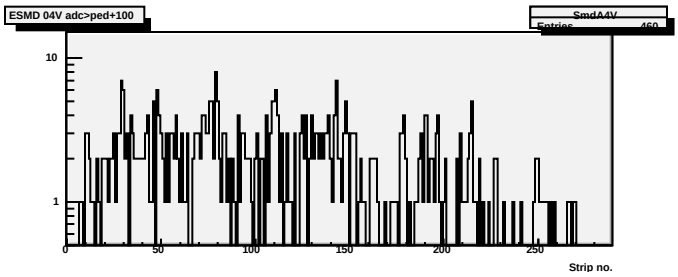

ESMD 11U adc>ped+100
SmdA11U
Entries 491
Strip no.

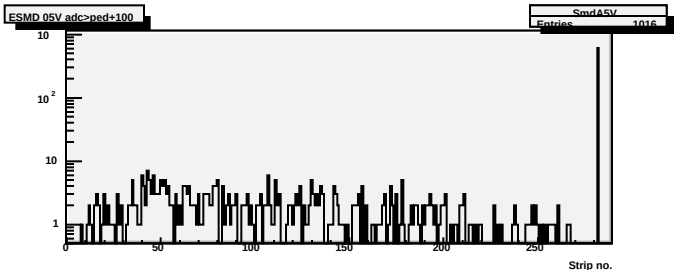

ESMD 12U adc>ped+100
SmdA12U
Entries 1506
Strip no.

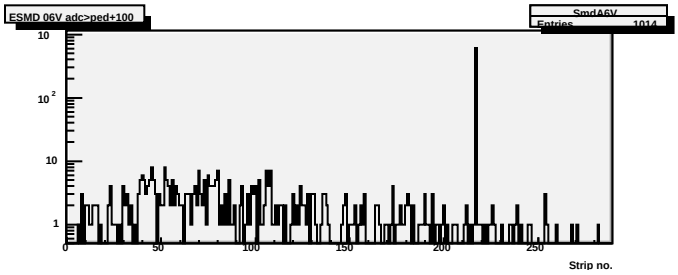

ESMD 01V adc>ped+100
SmdA1V
Entries 418
Strip no.

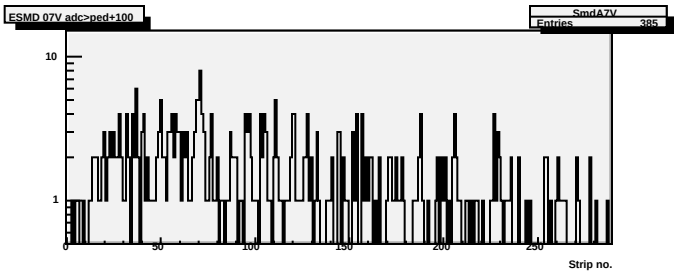

ESMD 02V adc>ped+100
SmdA2V
Entries 467
Strip no.

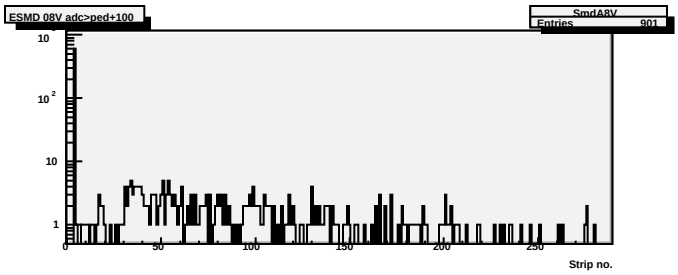

ESMD 03V adc>ped+100
SmdA3V
Entries 2114
Strip no.

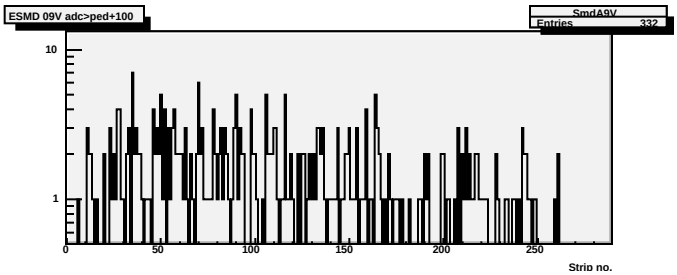

ESMD 04V adc>ped+100
SmdA4V
Entries 460
Strip no.

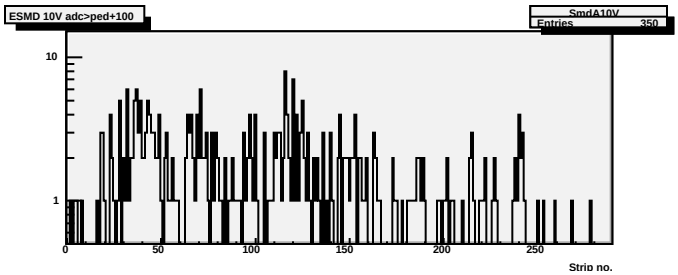

ESMD 05V adc>ped+100
SmdA5V
Entries 1016
Strip no.

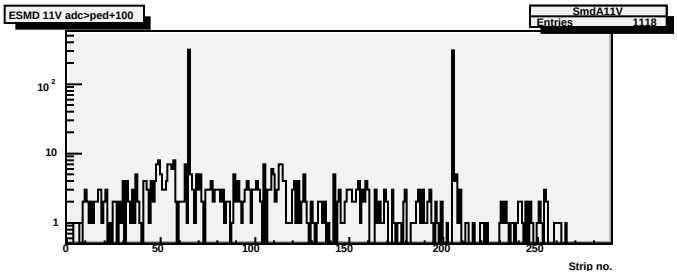

ESMD 06V adc>ped+100
SmdA6V
Entries 1014
Strip no.

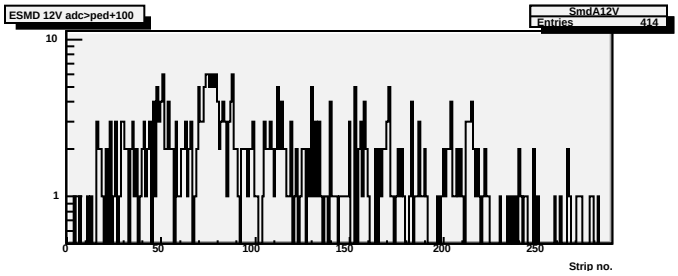

ESMD 07V adc>ped+100
SmdA7V
Entries 385
Strip no.

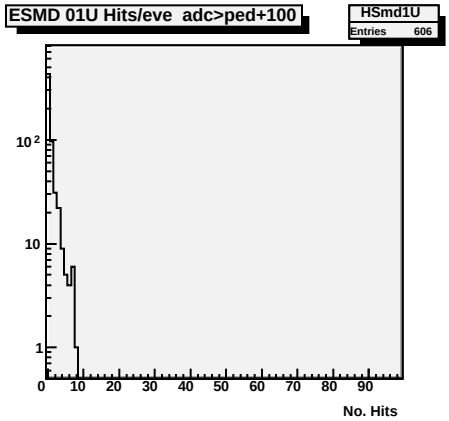

ESMD 08V adc>ped+100
SmdA8V
Entries 901
Strip no.

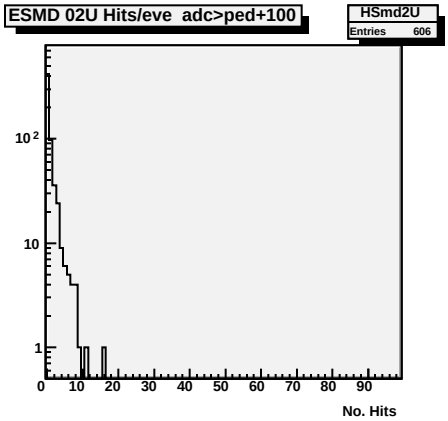

ESMD 09V adc>ped+100
SmdA9V
Entries 332
Strip no.

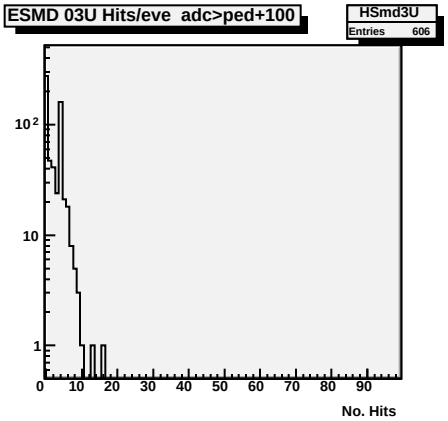

ESMD 10V adc>ped+100
SmdA10V
Entries 350
Strip no.

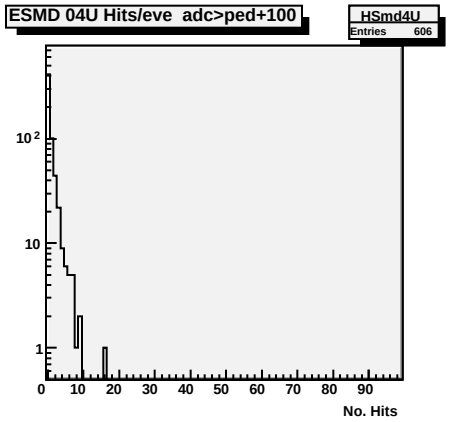

ESMD 11V adc>ped+100
SmdA11V
Entries 1118
Strip no.

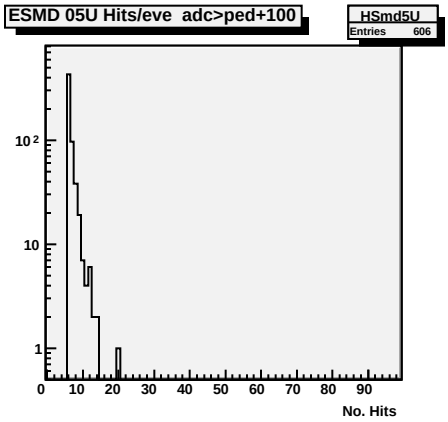

ESMD 12V adc>ped+100
SmdA12V
Entries 414
Strip no.

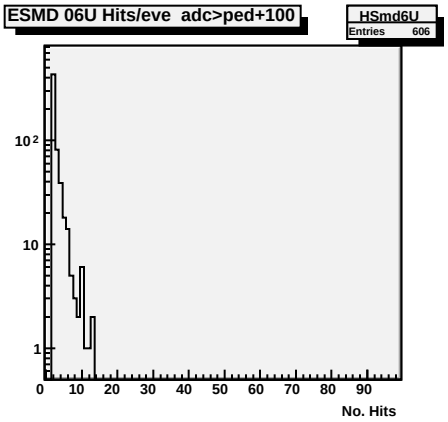

ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 606
No. Hits


ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 606
No. Hits


ESMD 03U Hits/eve adc>ped+100
HSmd3U
Entries 606
No. Hits


ESMD 04U Hits/eve adc>ped+100
HSmd4U
Entries 606
No. Hits


ESMD 05U Hits/eve adc>ped+100
HSmd5U
Entries 606
No. Hits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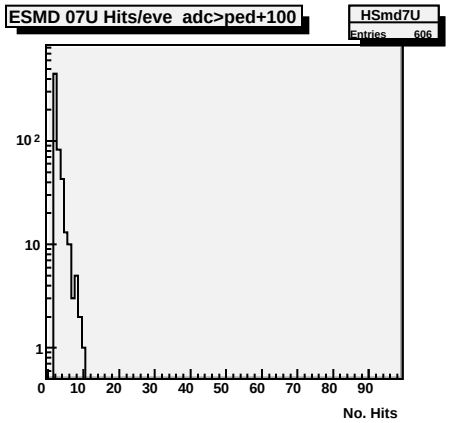
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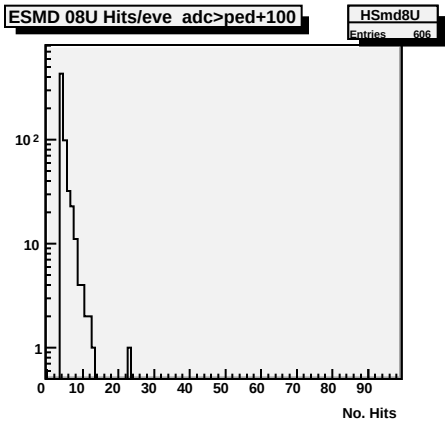
No. Hits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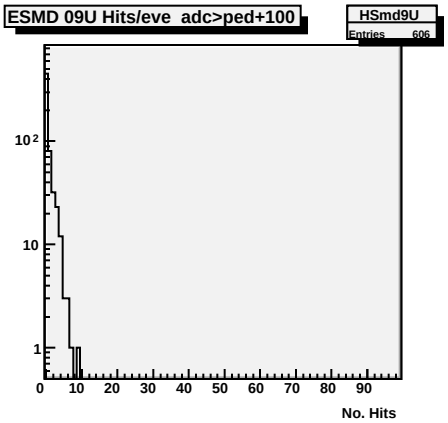
No. Hits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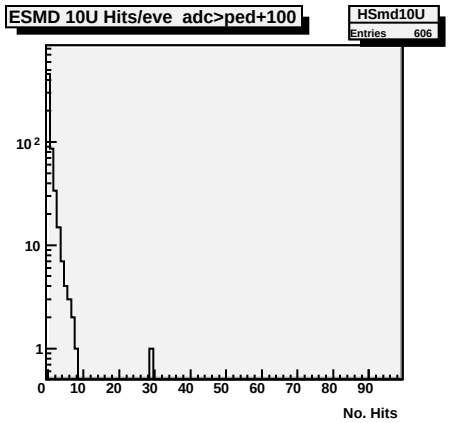
No. Hits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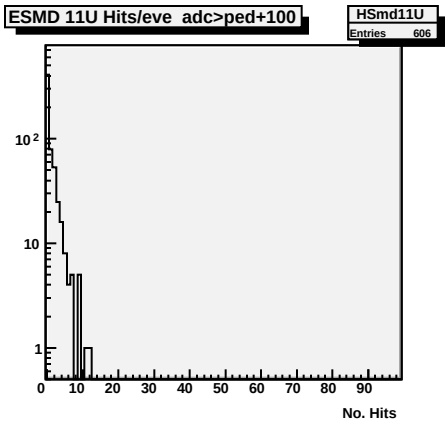
No. Hits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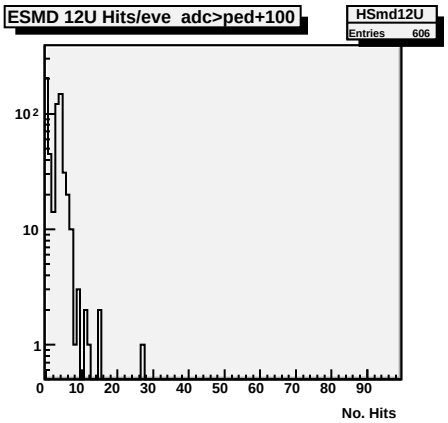
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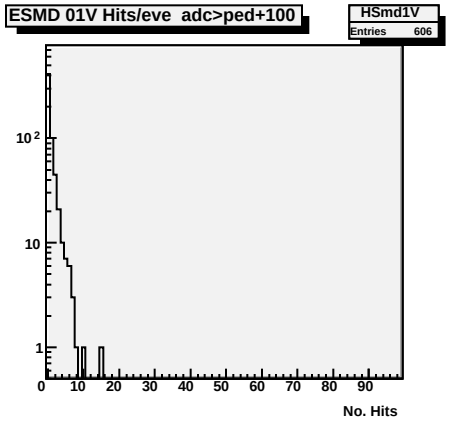
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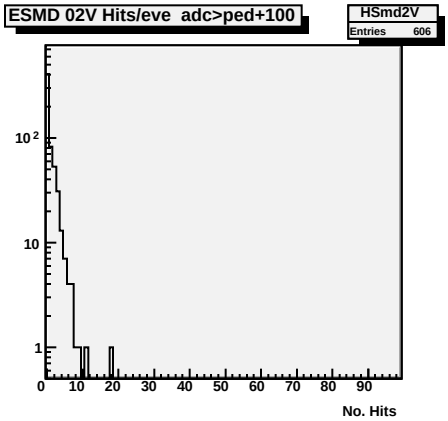
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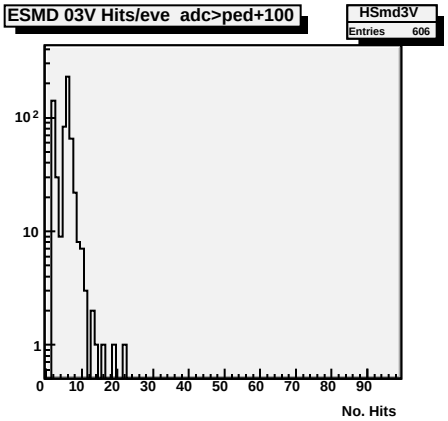
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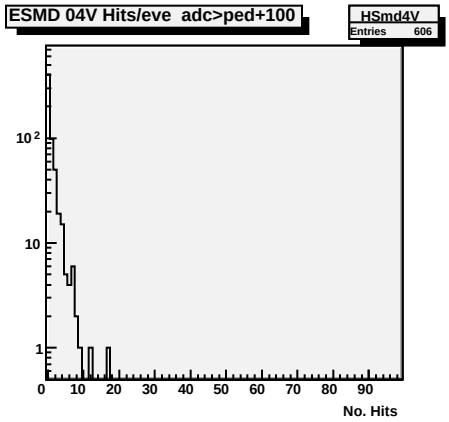
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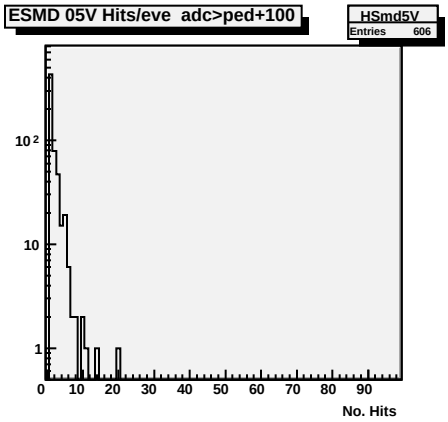
No. Hits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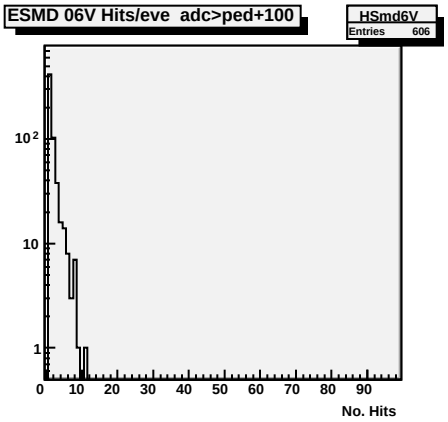
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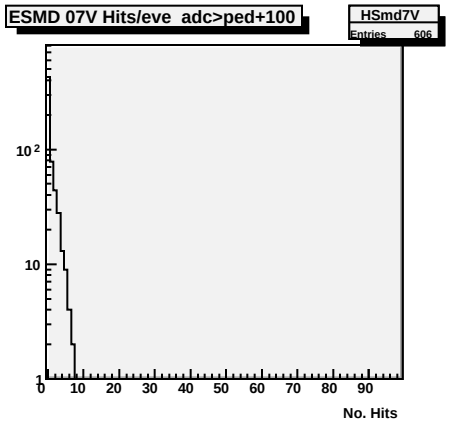
No. Hits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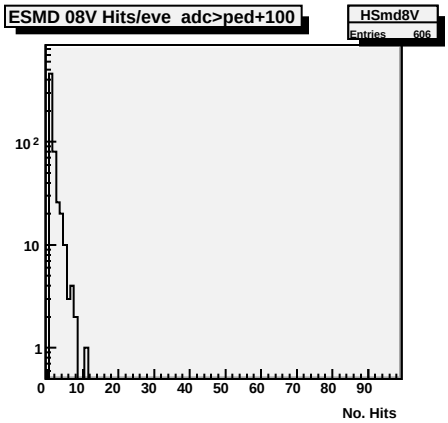
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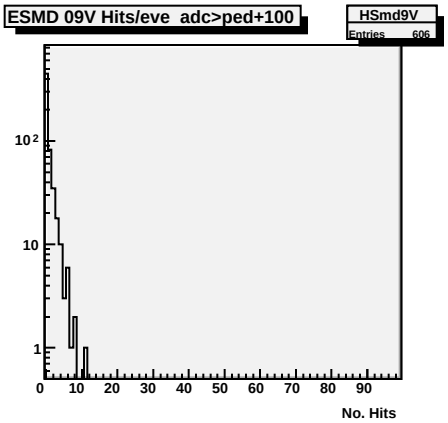
No. Hits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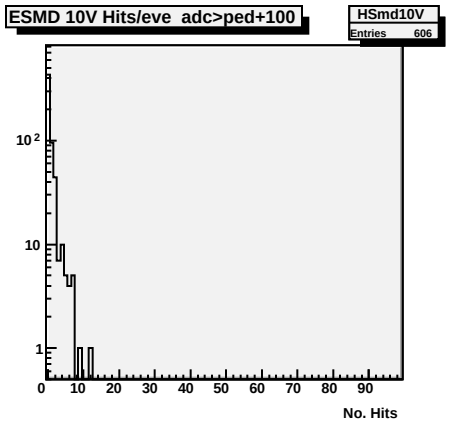
No. Hits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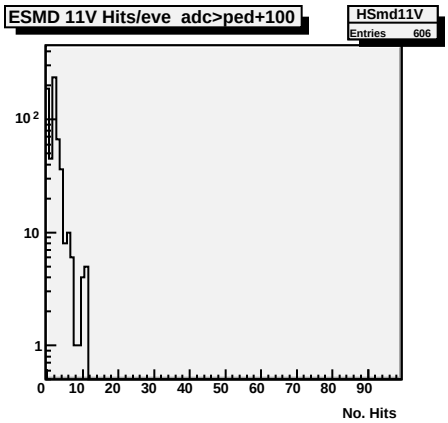
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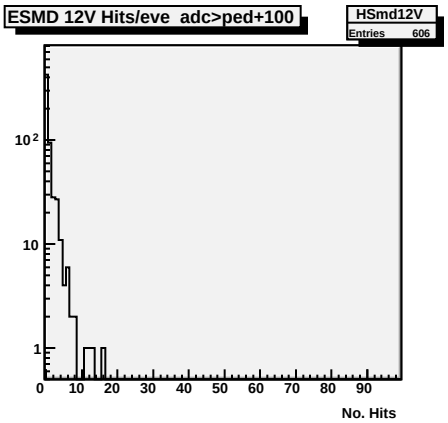
No. Hits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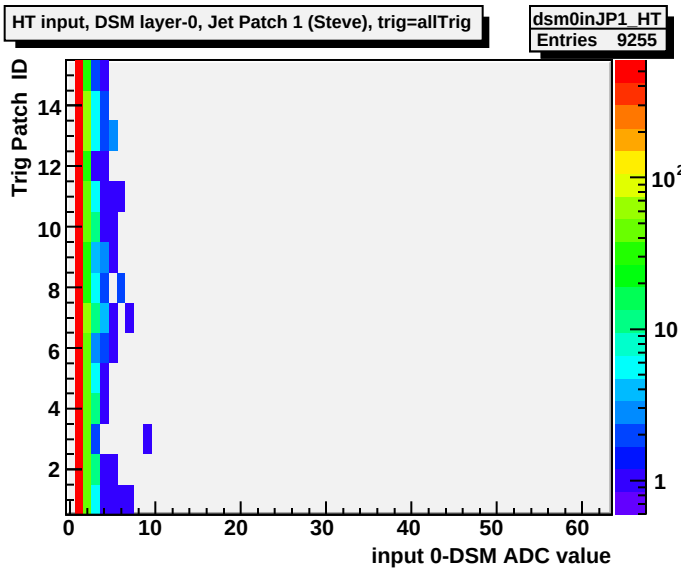
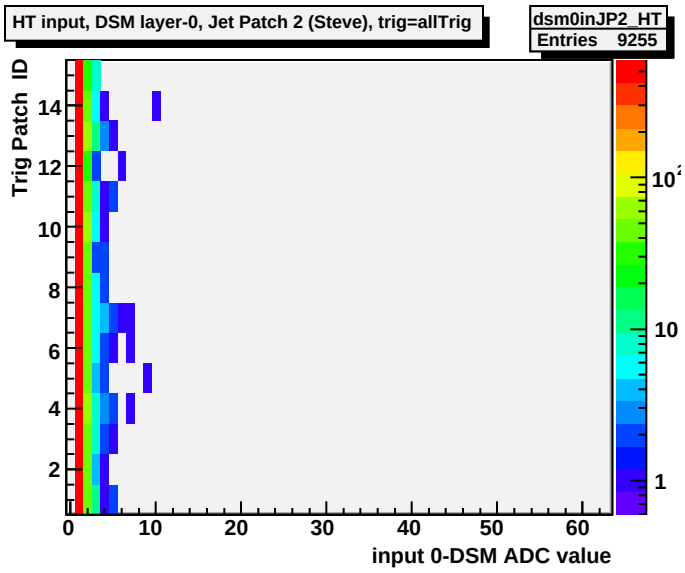
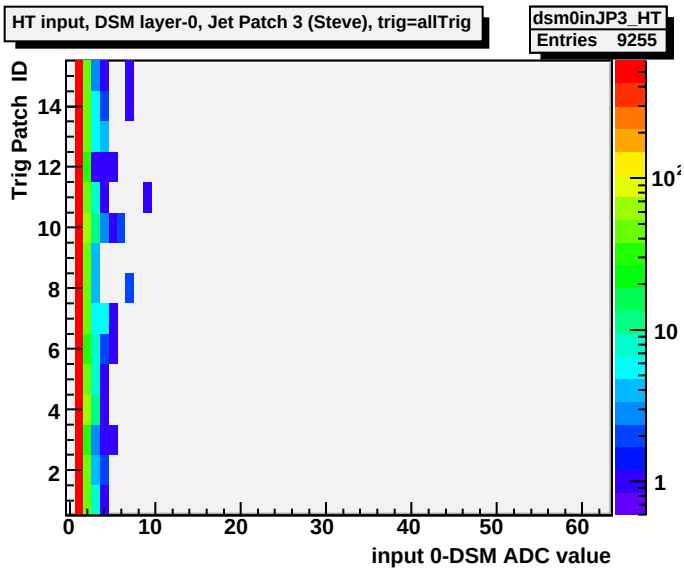
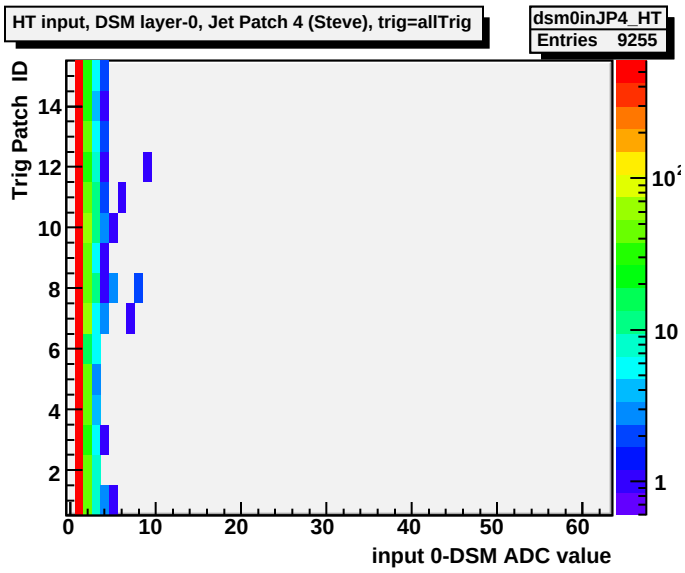
HSmd12V
Entries 606
No. Hits


HT input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_HT
Entries 9255
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_HT
Entries 9255
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_HT
Entries 9255
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_HT
Entries 9255
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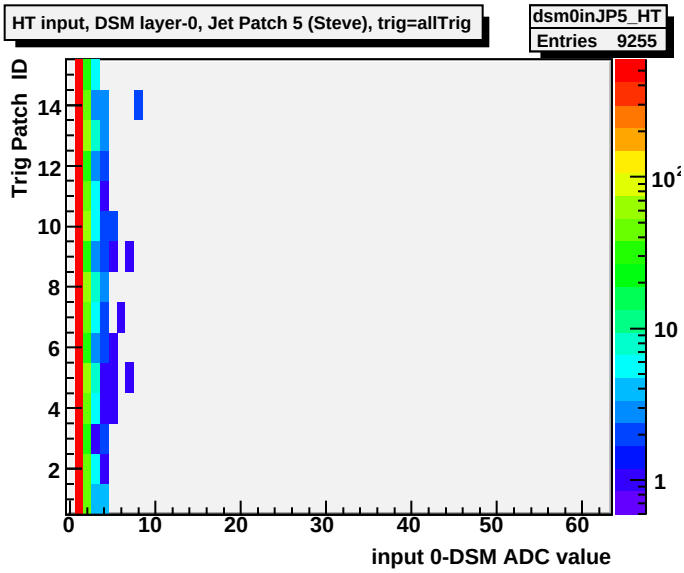
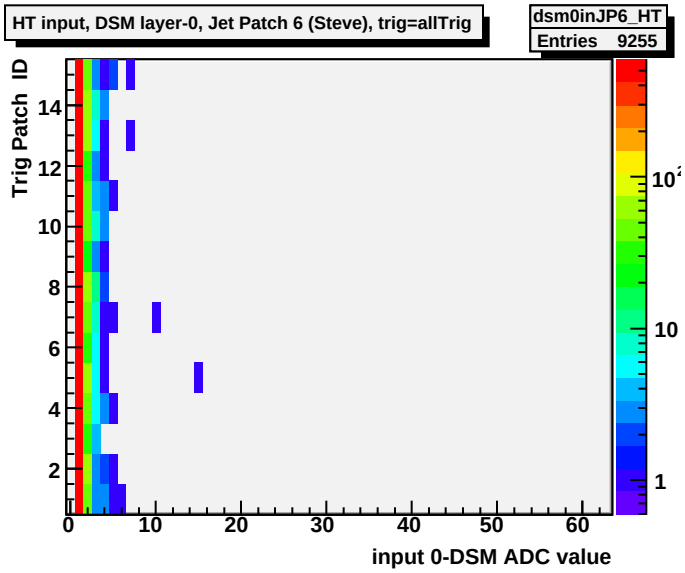
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_HT
Entries 9255
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_HT
Entries 9255
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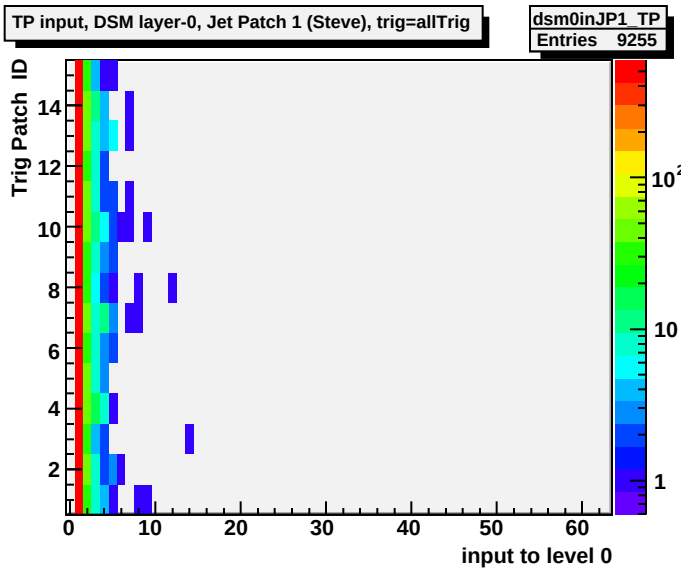
input 0-DSM ADC value


TP input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
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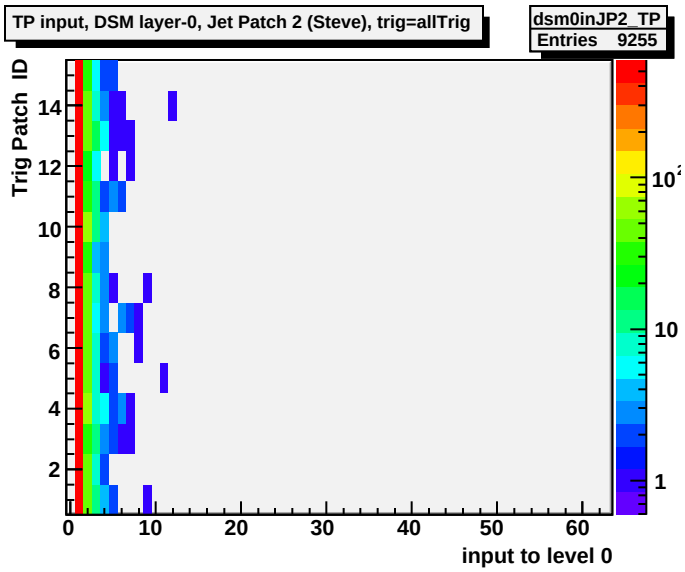
Entries 9255
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_TP
Entries 9255
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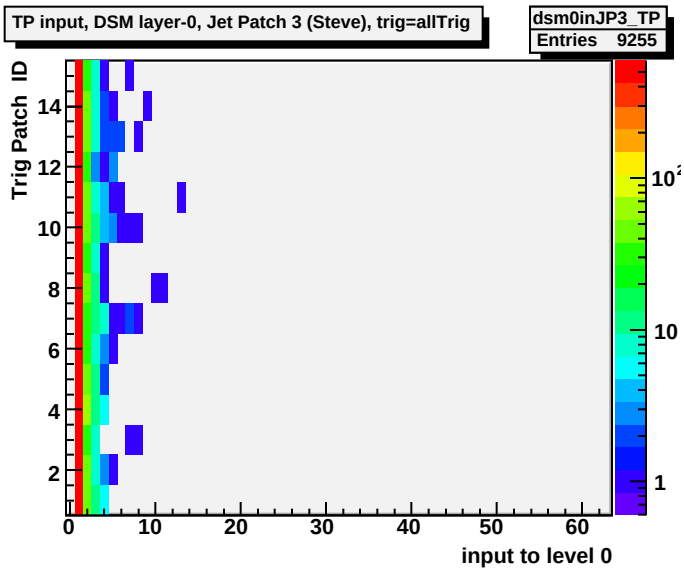
input to level 0


TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
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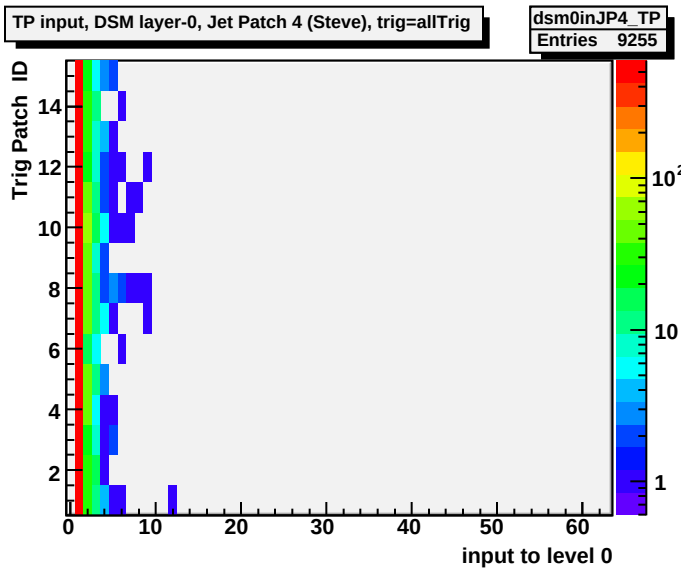
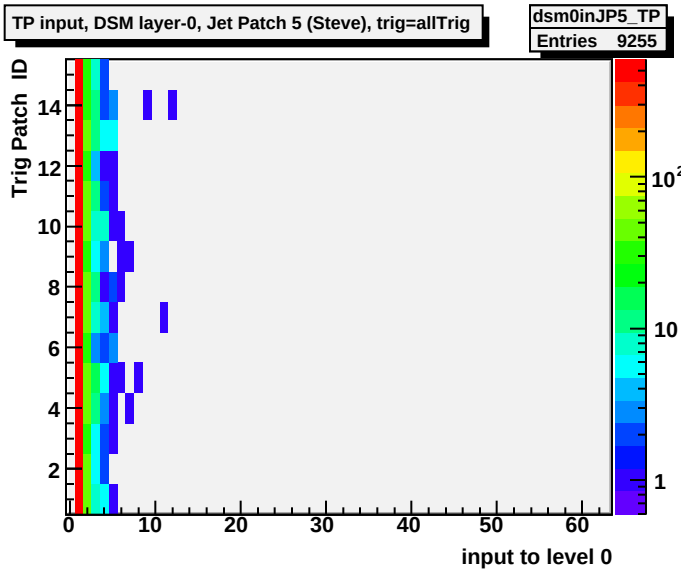
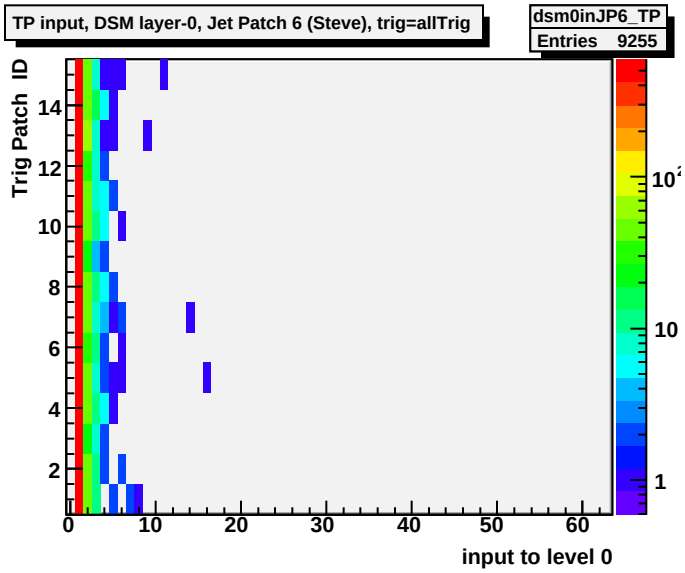
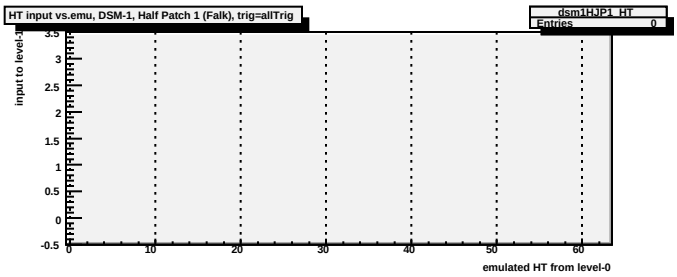
Entries 9255
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_TP
Entries 9255
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 9255
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_TP
Entries 9255
Trig Patch ID
input to level 0


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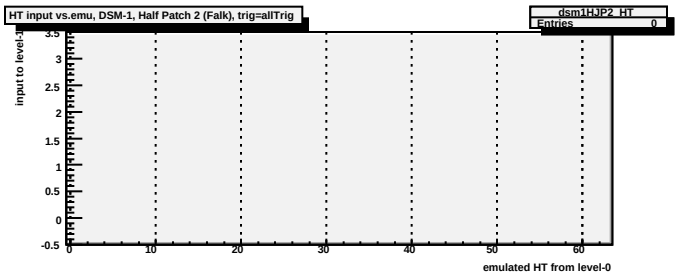
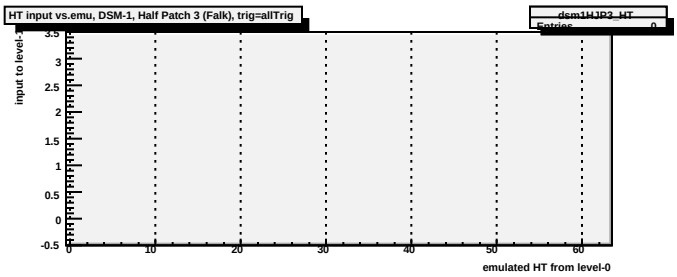
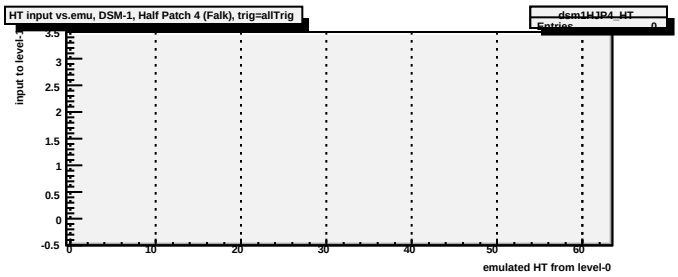
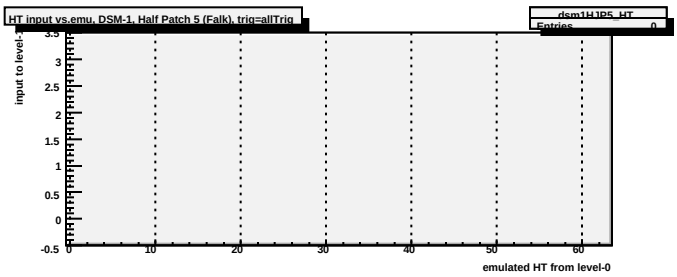
Entries 0
input to level-1
emulated HT from level-0


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


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


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


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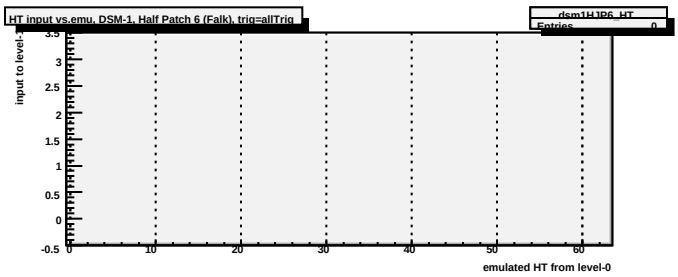
Entries 0
input to level-1
emulated HT from level-0


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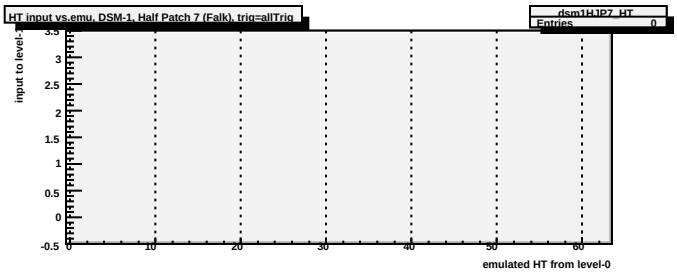
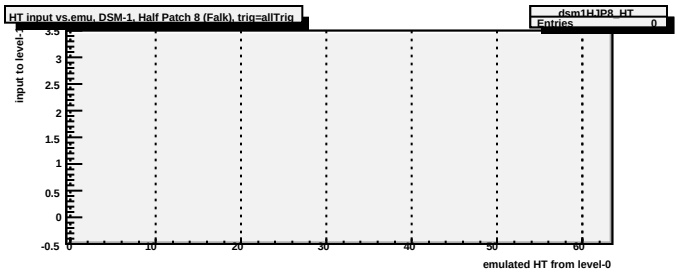
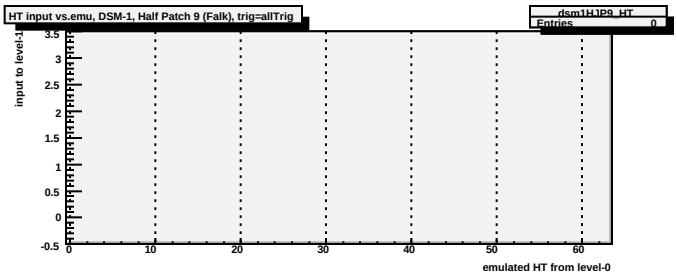
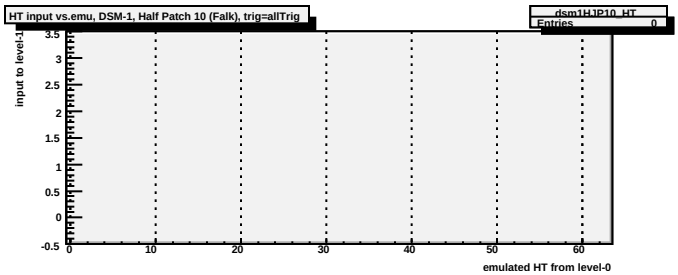
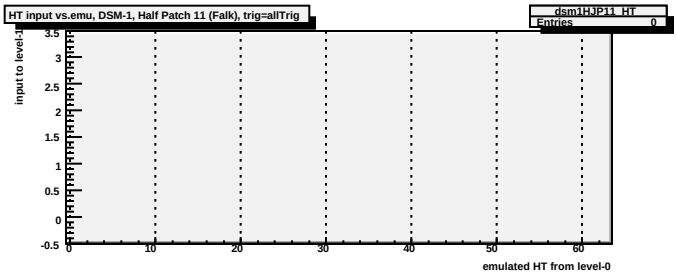
Entries 0
input to level-1
emulated HT from level-0


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


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


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


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


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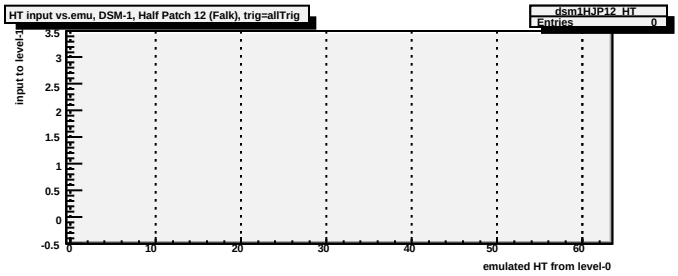
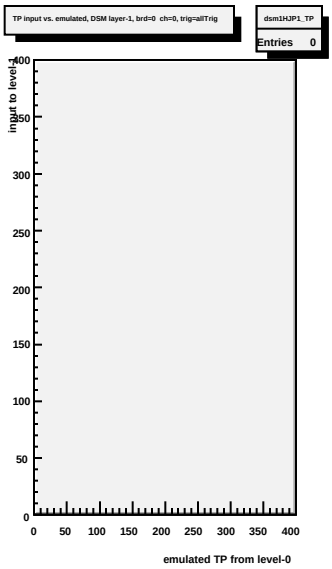
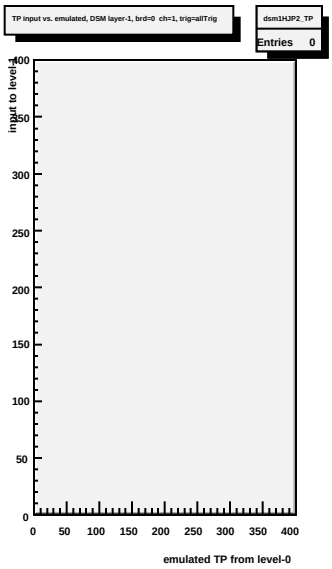
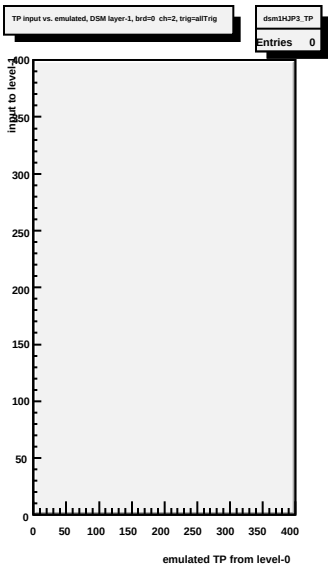
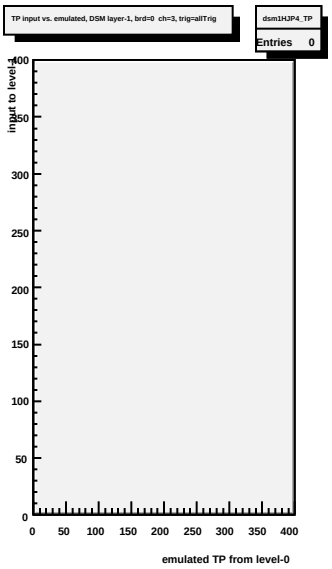
Entries 0
input to level-1
emulated HT from level-0

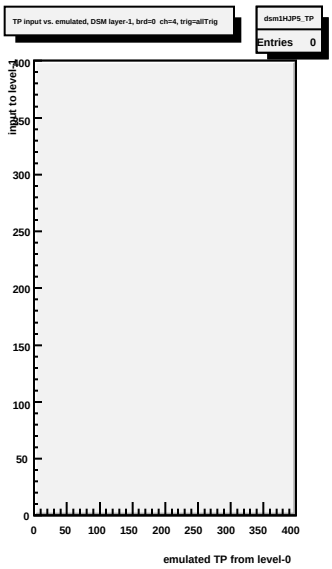

HT input vs.emu, DSM-1, Half Patch 12 (Falk), trig=allTrig
dsm1HJP12_HT
Entries 0
input to level-1
emulated HT from level-0

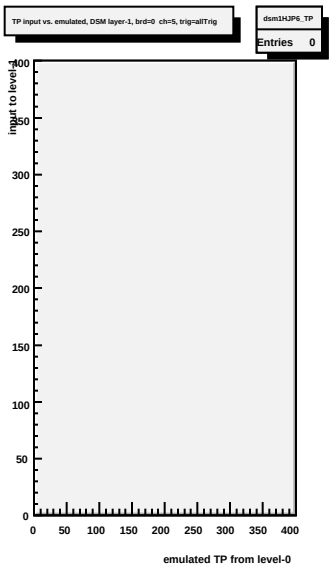

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
input to level-1
emulated TP from level-0

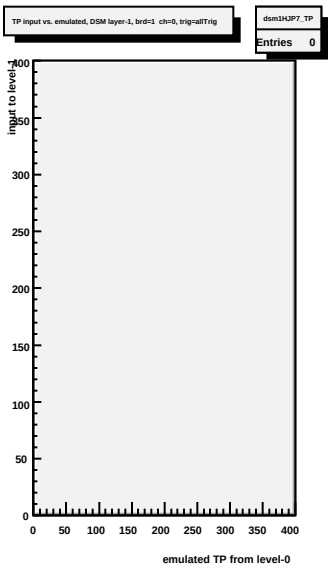

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

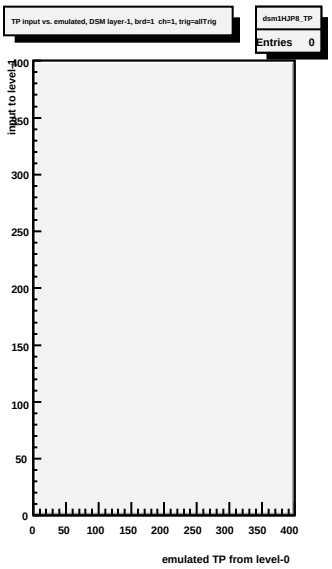

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

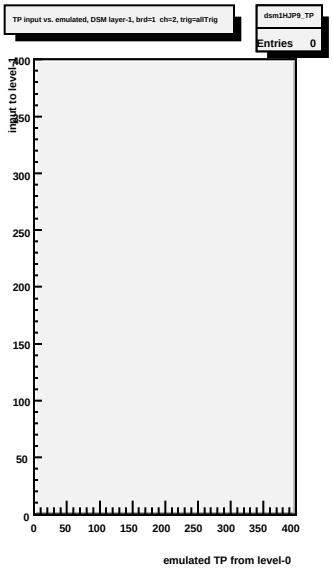

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

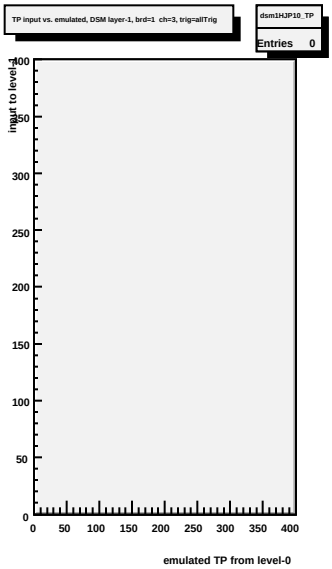

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

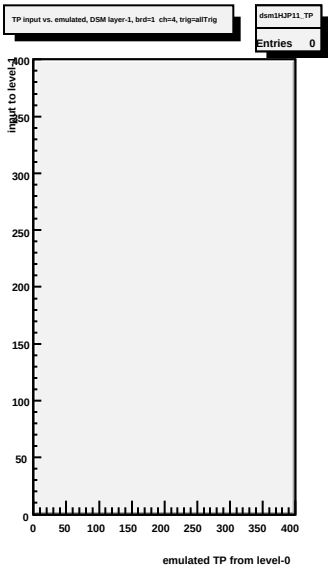

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

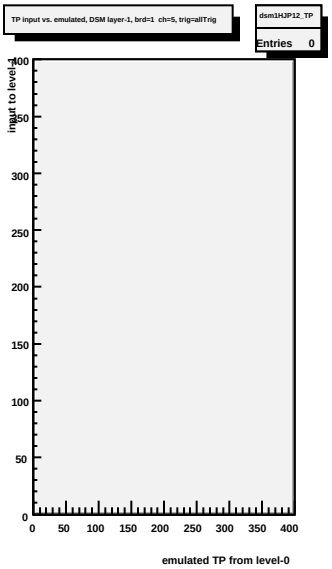

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

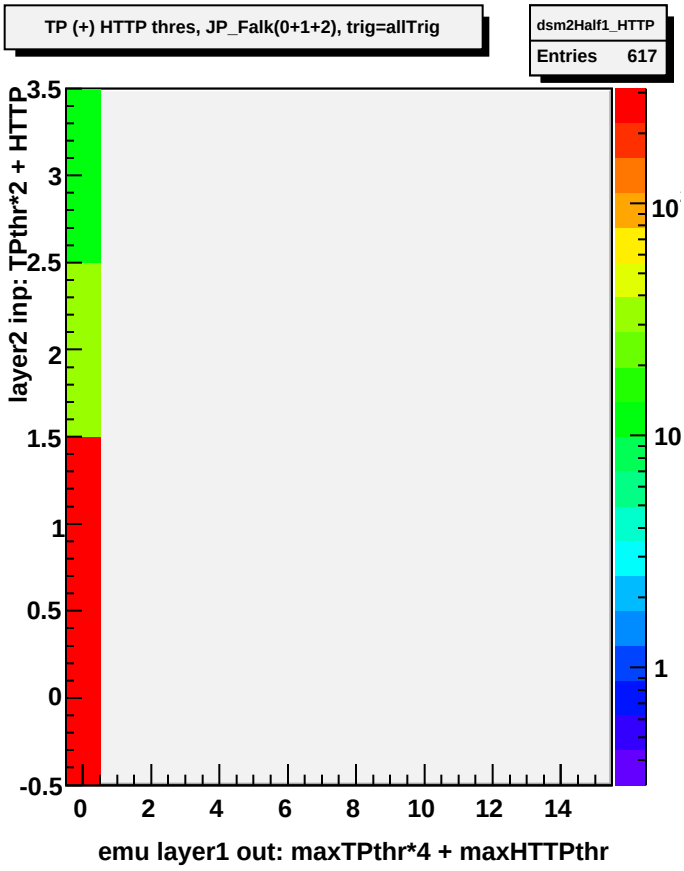

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

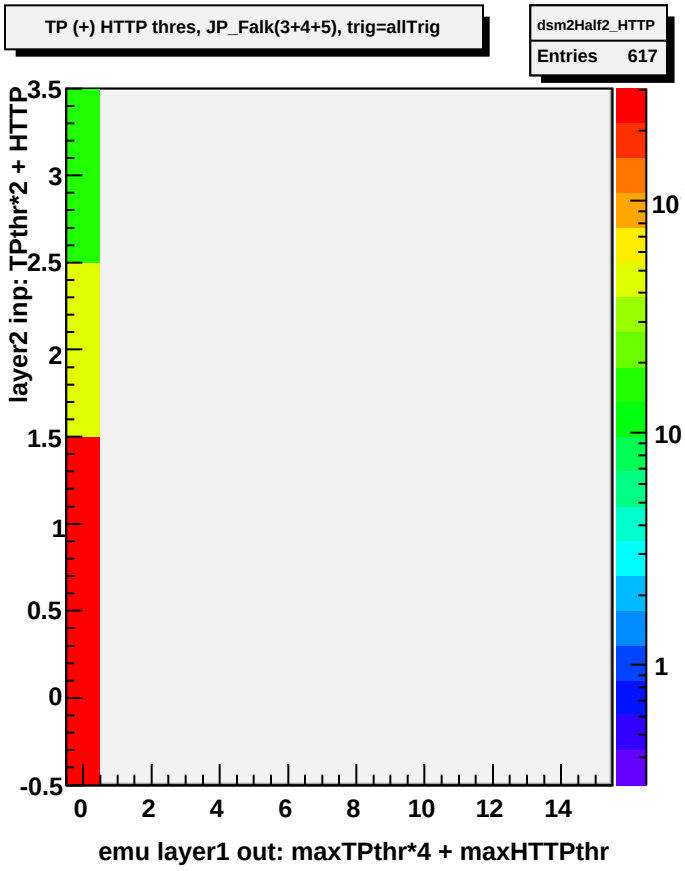

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

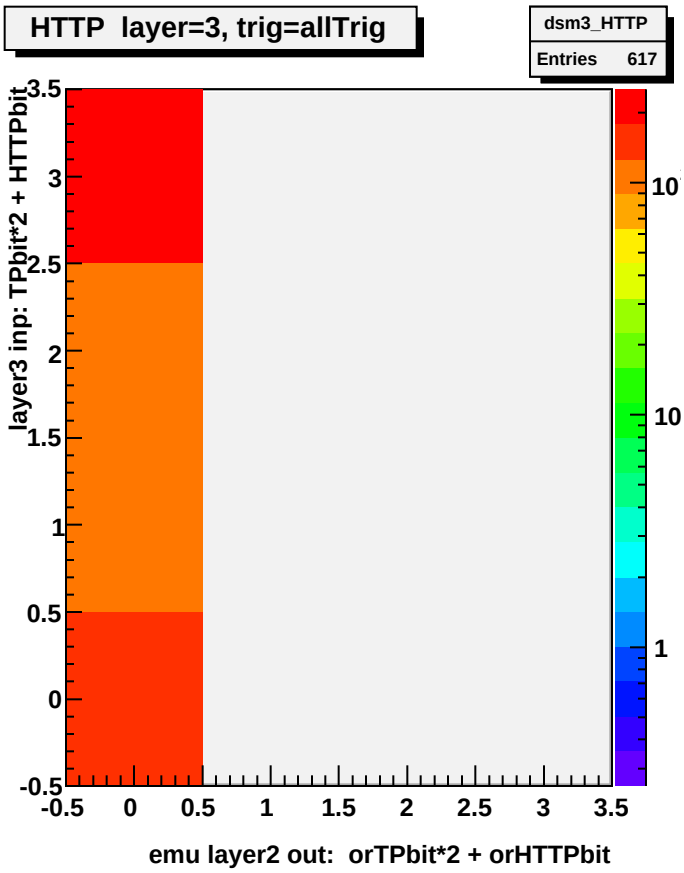

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

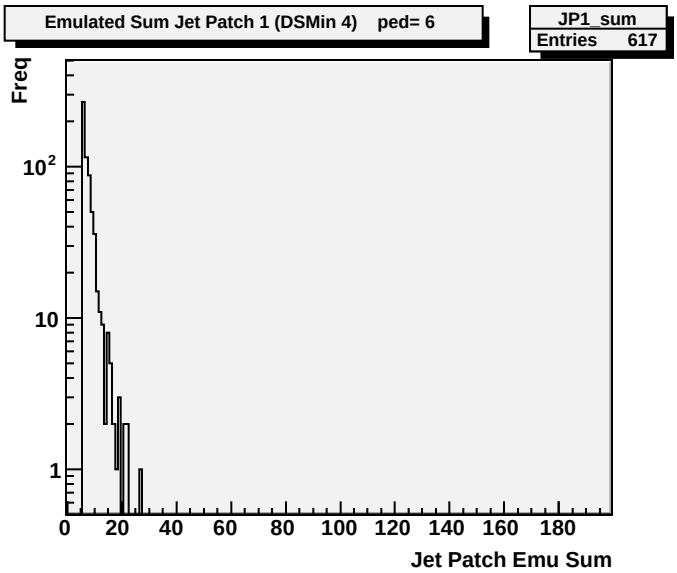

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

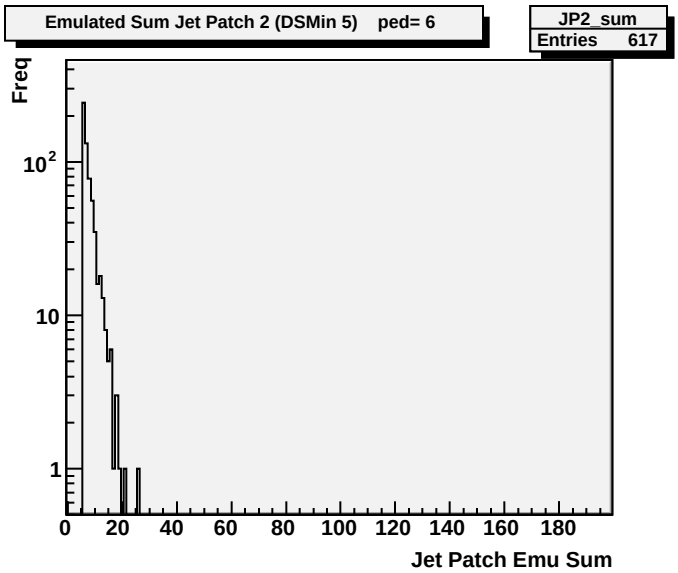

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

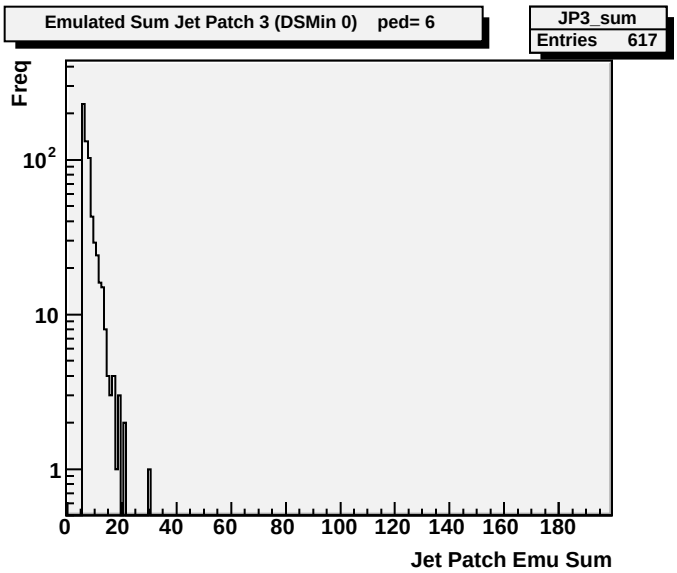

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 617
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

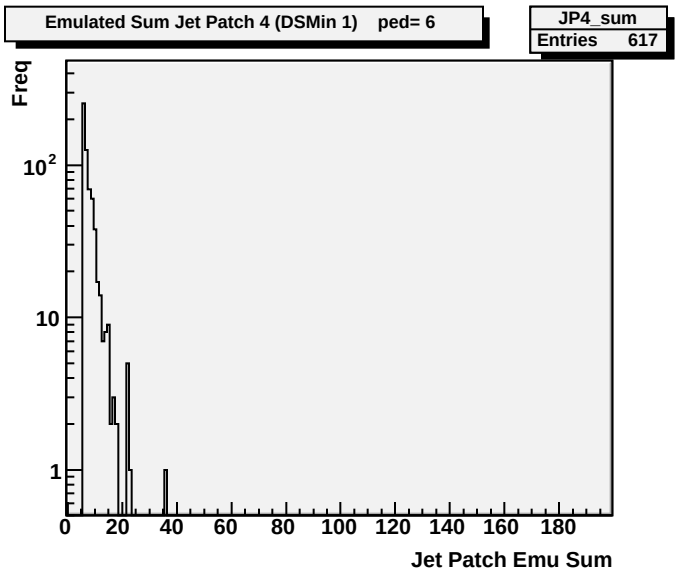

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 617
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

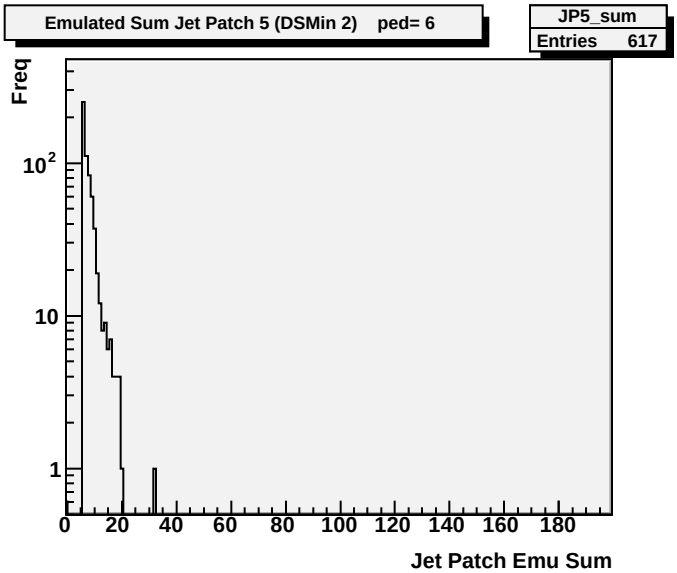

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 617
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

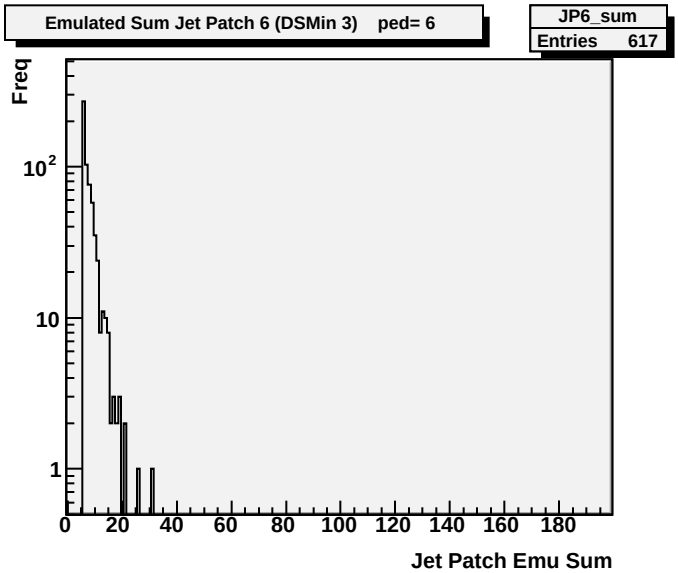

Emulated Sum Jet Patch 1 (DSMin 4) ped= 6
JP1_sum
Entries 617
Freq
Jet Patch Emu Sum

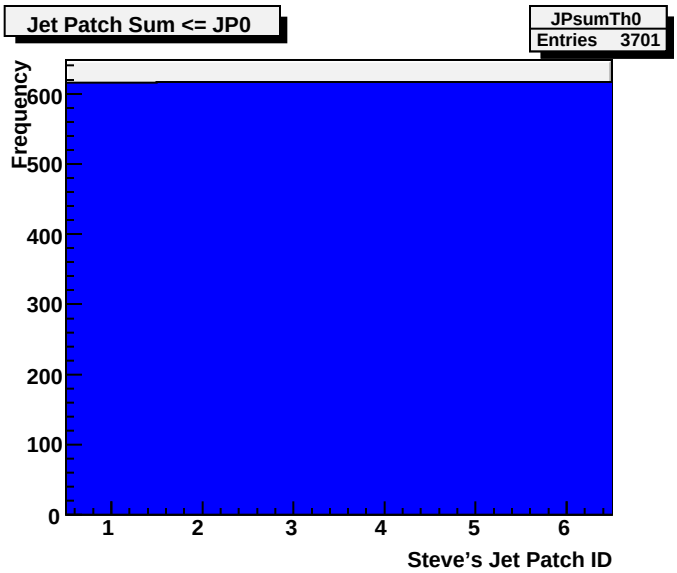

Emulated Sum Jet Patch 2 (DSMin 5) ped= 6
JP2_sum
Entries 617
Freq
Jet Patch Emu Sum

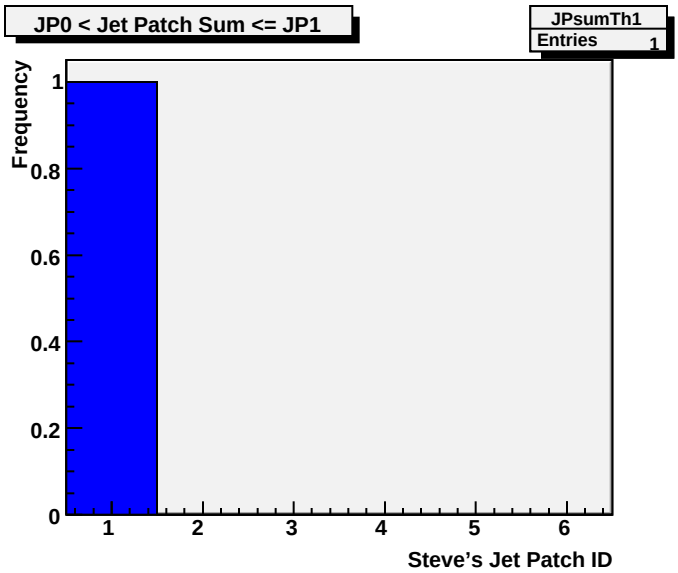

Emulated Sum Jet Patch 3 (DSMin 0) ped= 6
JP3_sum
Entries 617
Freq
Jet Patch Emu Sum

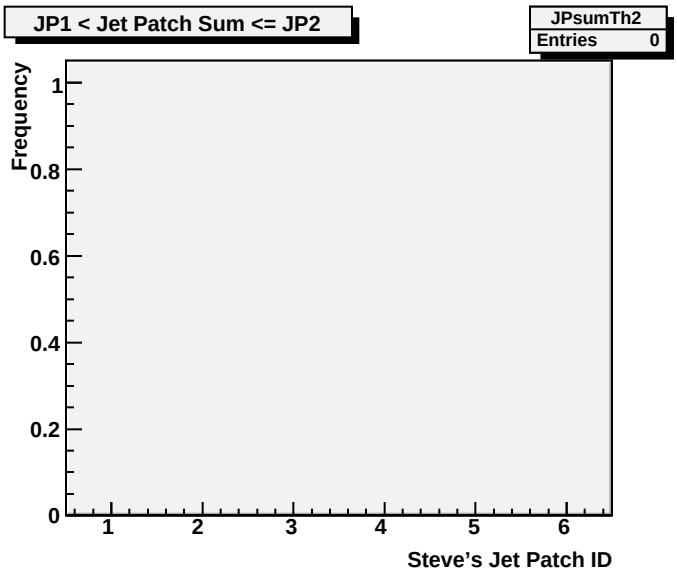

Emulated Sum Jet Patch 4 (DSMin 1) ped= 6
JP4_sum
Entries 617
Freq
Jet Patch Emu Sum

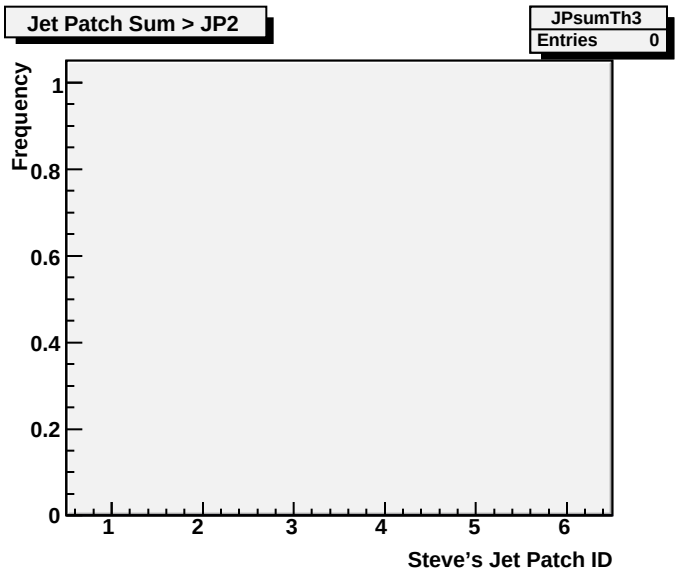

Emulated Sum Jet Patch 5 (DSMin 2) ped= 6
JP5_sum
Entries 617
Freq
Jet Patch Emu Sum

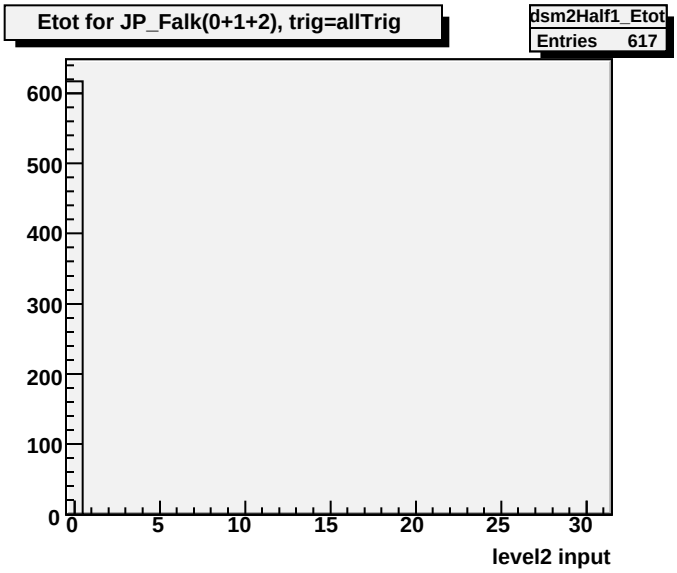

Emulated Sum Jet Patch 6 (DSMin 3) ped= 6
JP6_sum
Entries 617
Freq
Jet Patch Emu Sum

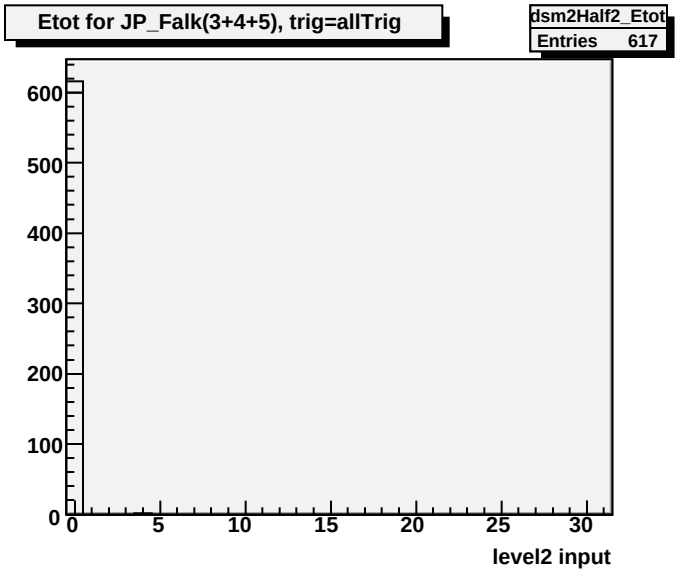

Jet Patch Sum <= JP0
JPsumTh0
Entries 3701
Frequency
Steve's Jet Patch ID

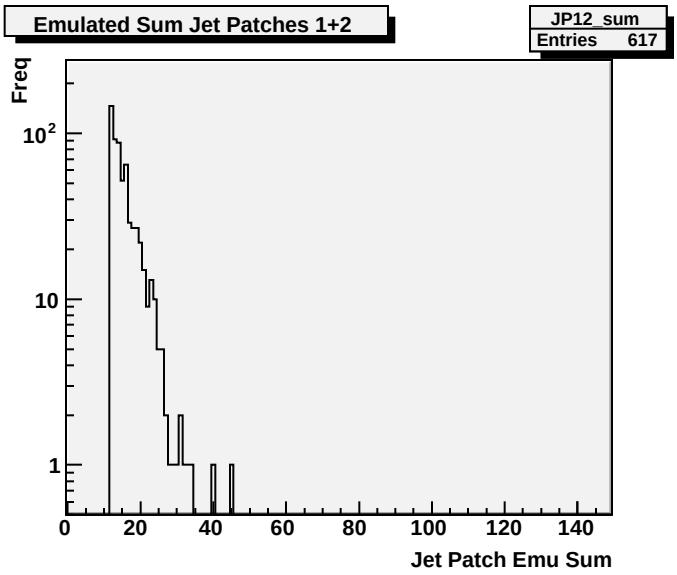

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 1
Frequency
Steve's Jet Patch ID

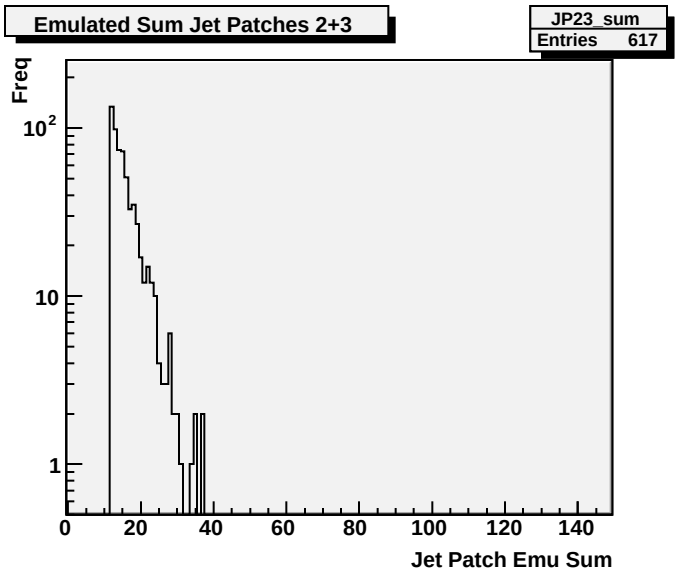

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

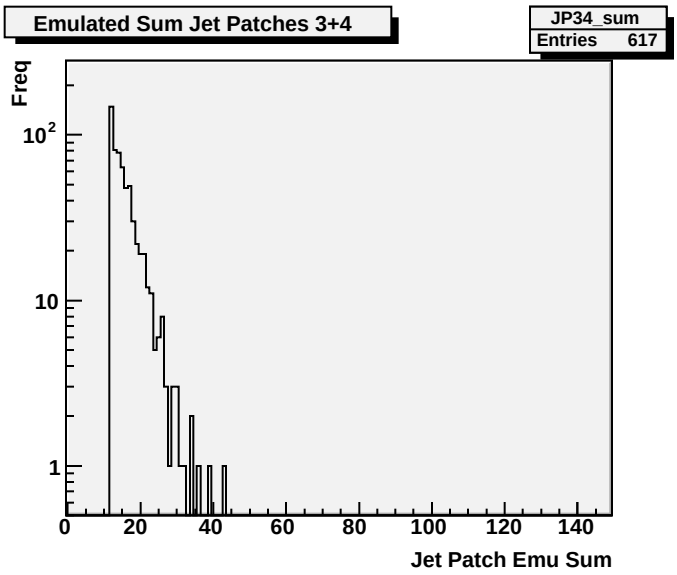

Jet Patch Sum > JP2
JPsumTh3
Entries 0
Frequency
Steve's Jet Patch ID

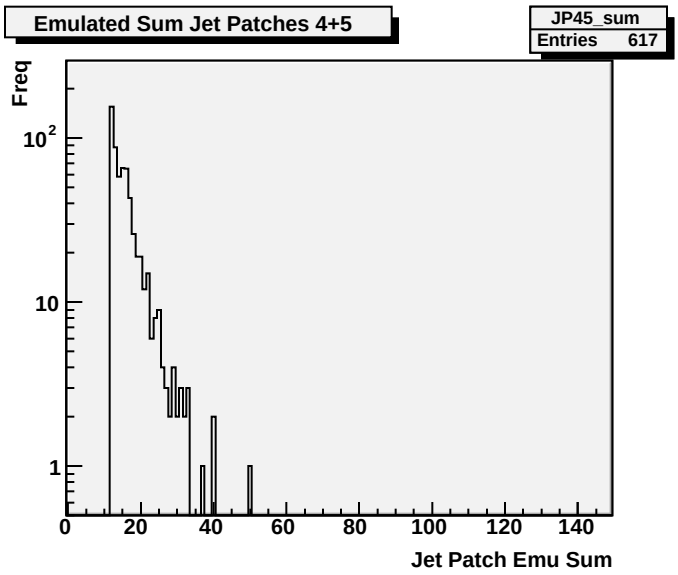

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 617
level2 input

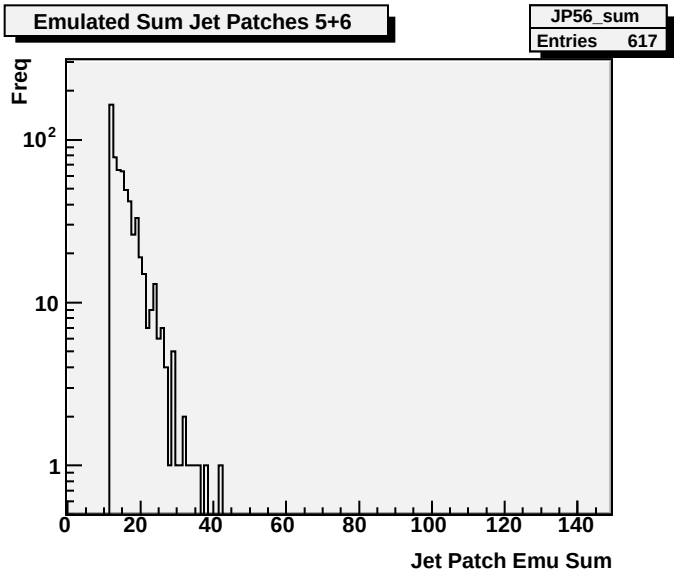

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 617
level2 input

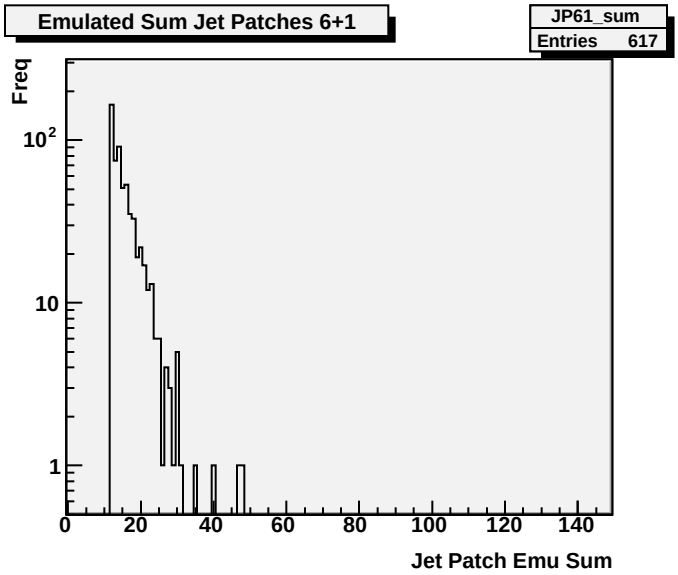

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 617
Freq
Jet Patch Emu Sum

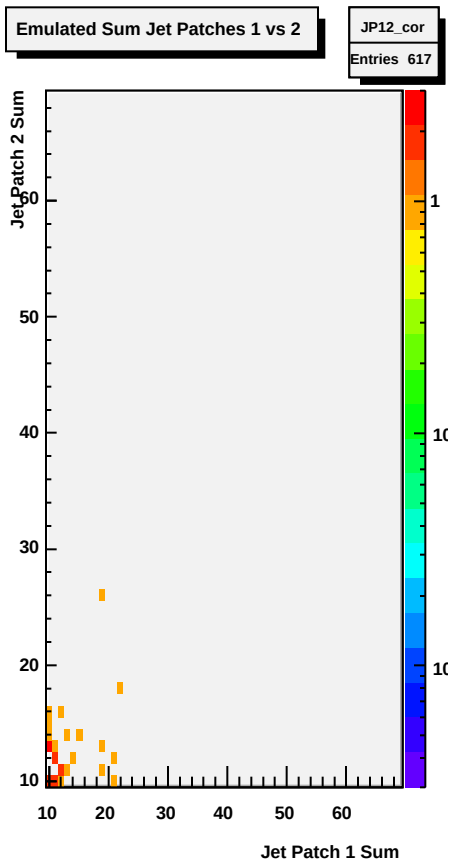

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 617
Freq
Jet Patch Emu Sum

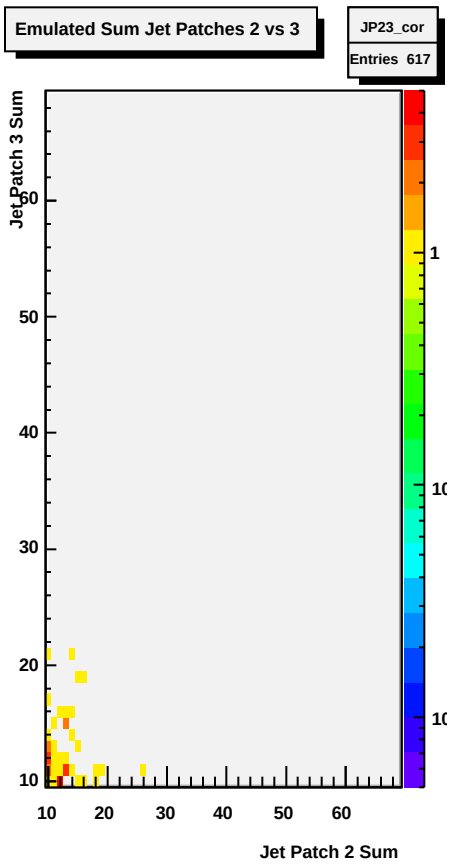

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 617
Freq
Jet Patch Emu Sum

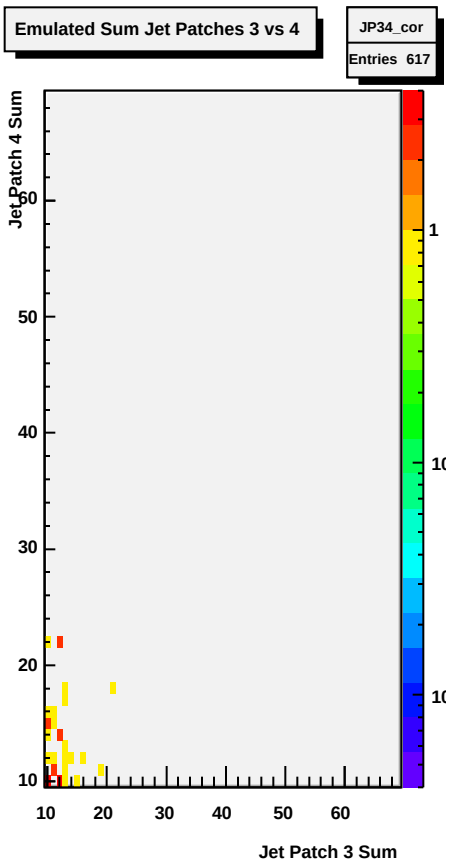

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 617
Freq
Jet Patch Emu Sum

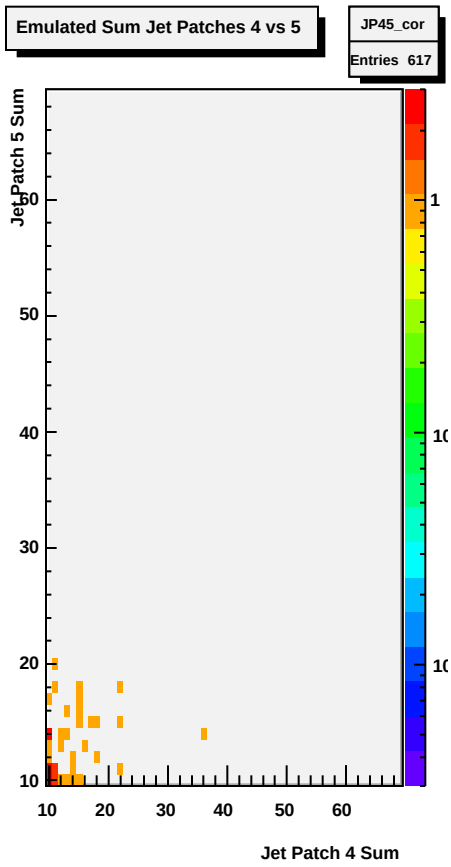

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 617
Freq
Jet Patch Emu Sum

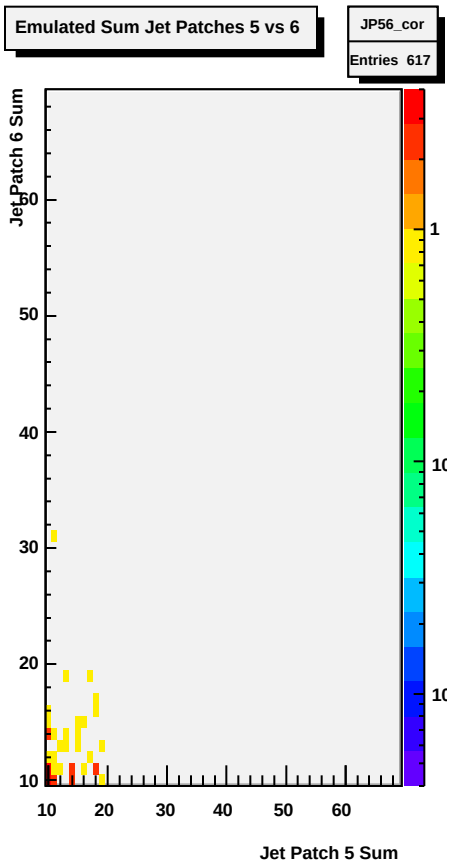

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 617
Freq
Jet Patch Emu Sum

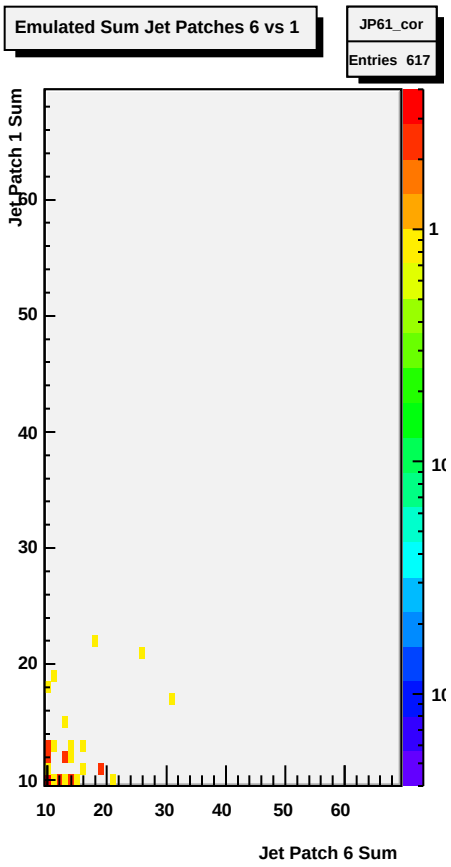

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 617
Jet Patch 2 Sum
Jet Patch 1 Sum

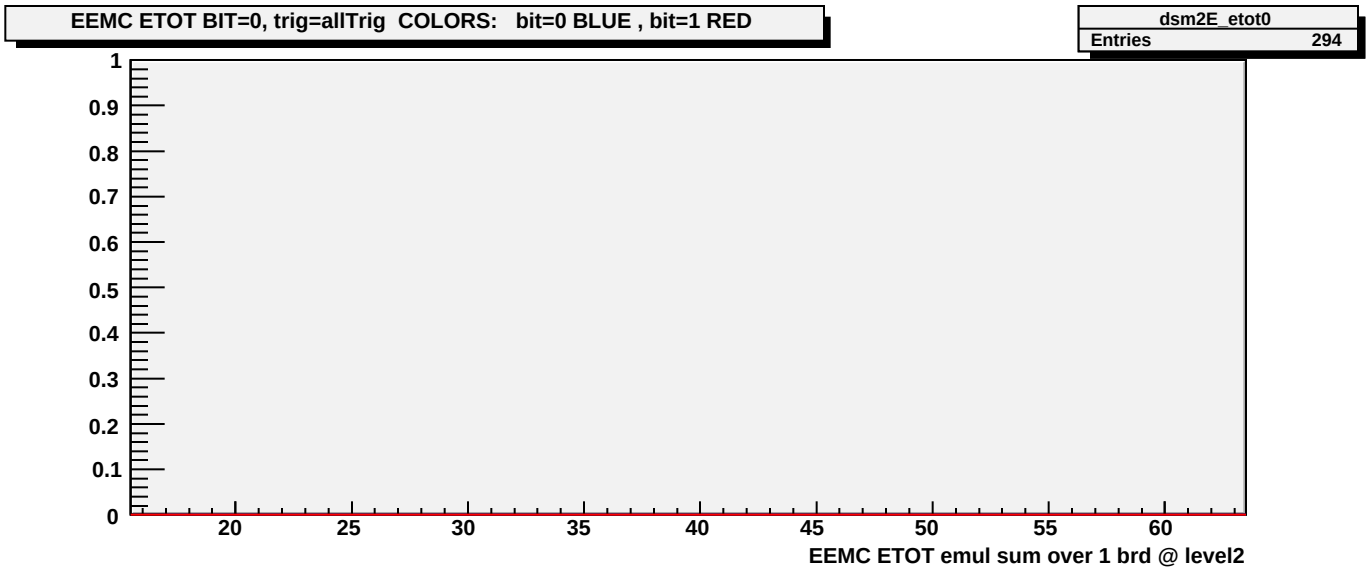

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 617
Jet Patch 3 Sum
Jet Patch 2 Sum

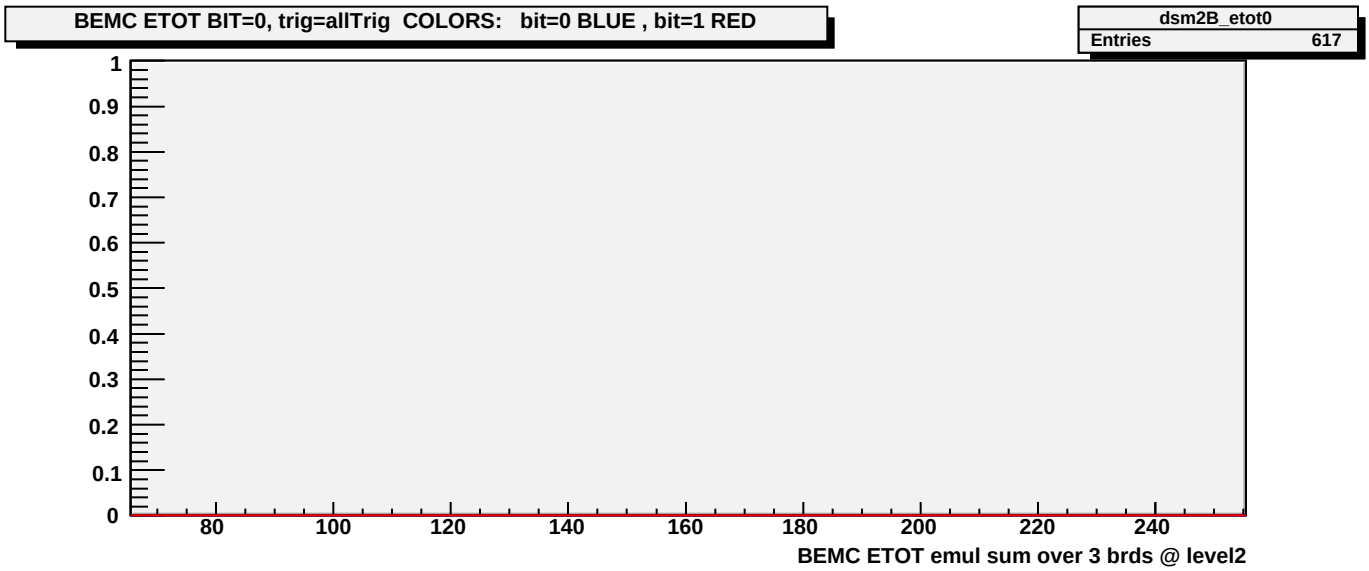

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 617
Jet Patch 4 Sum
Jet Patch 3 Sum

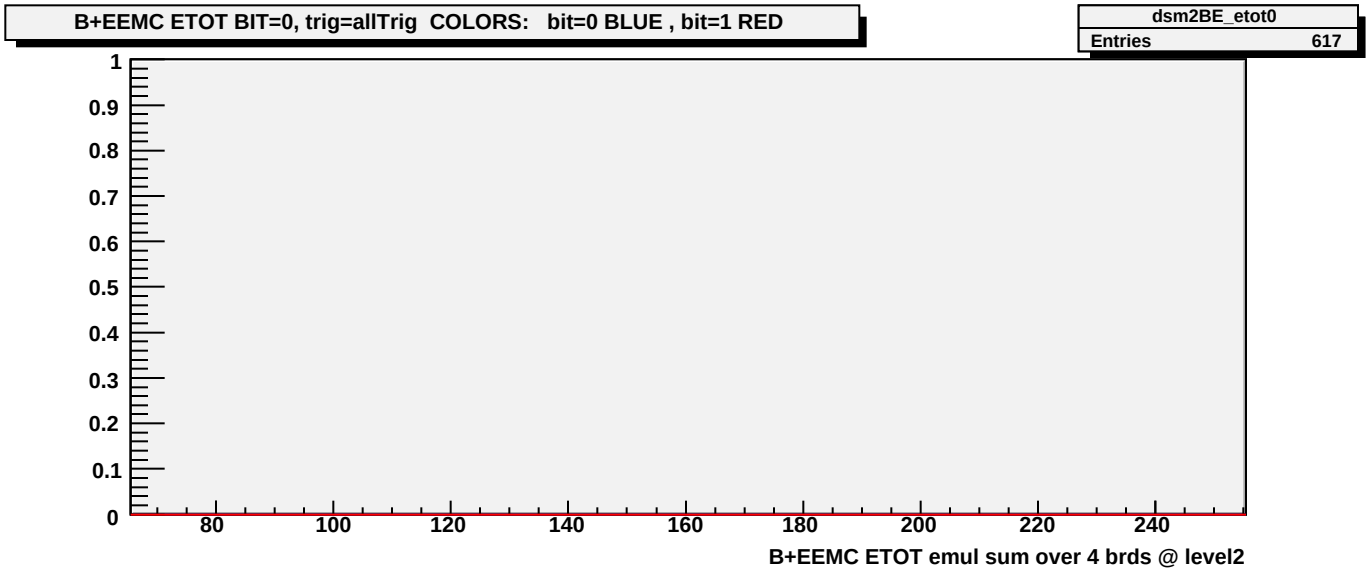

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 617
Jet Patch 5 Sum
Jet Patch 4 Sum

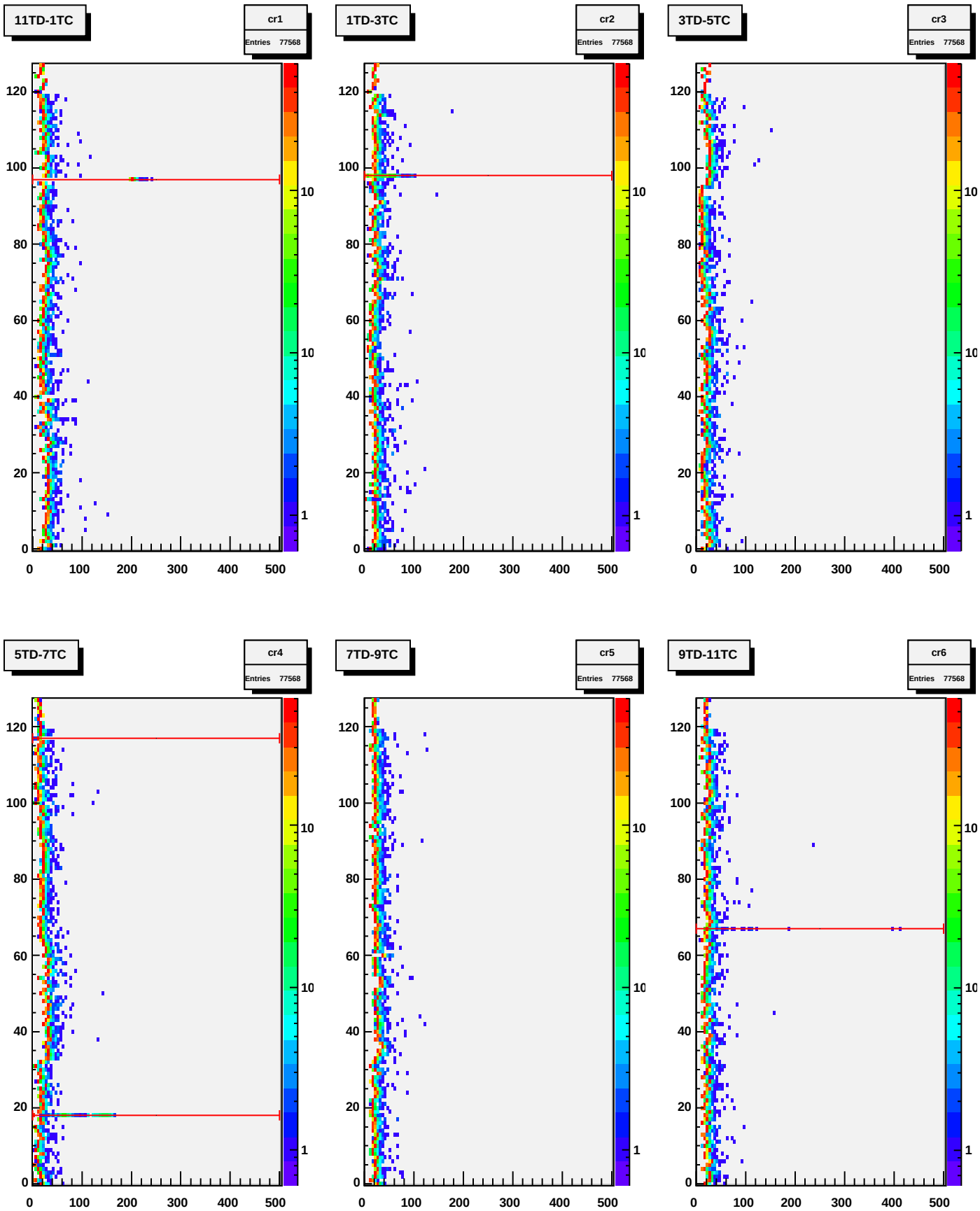

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 617
Jet Patch 6 Sum
Jet Patch 5 Sum

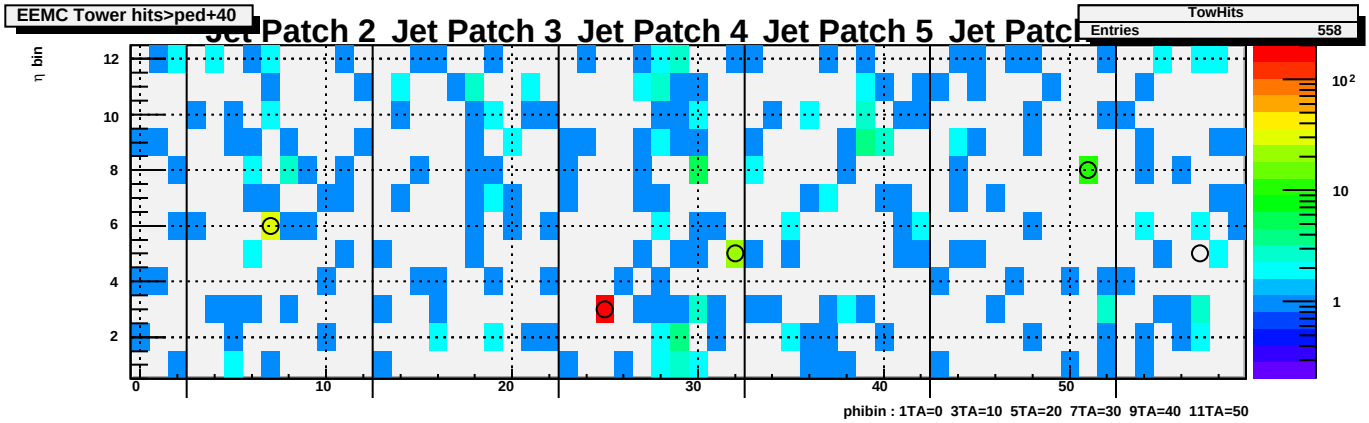

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 617
Jet Patch 1 Sum
Jet Patch 6 Sum

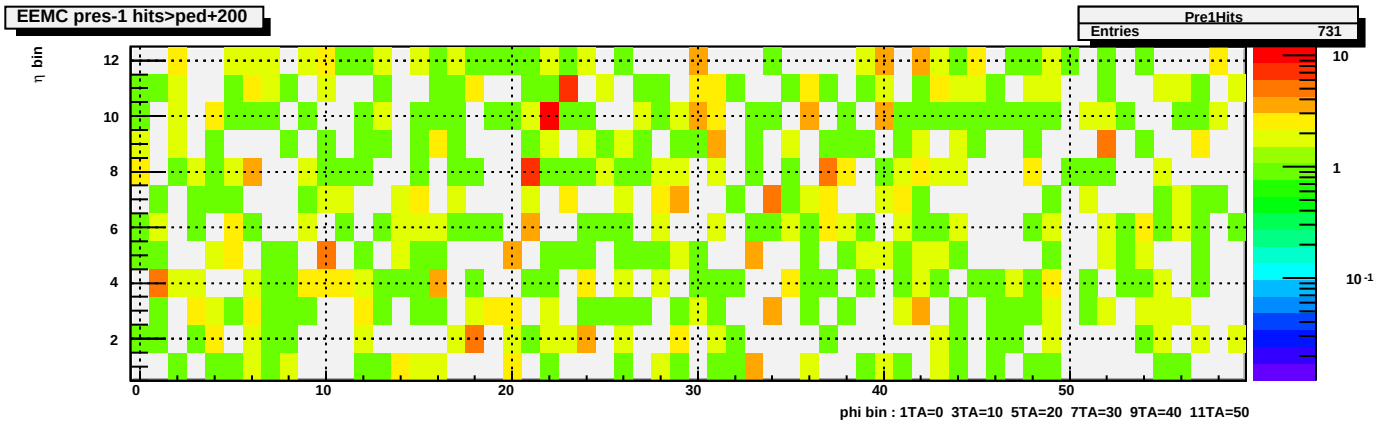

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 294
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
20
25
30
35
40
45
50
55
60
EEMC ETOT emul sum over 1 brd @ level2

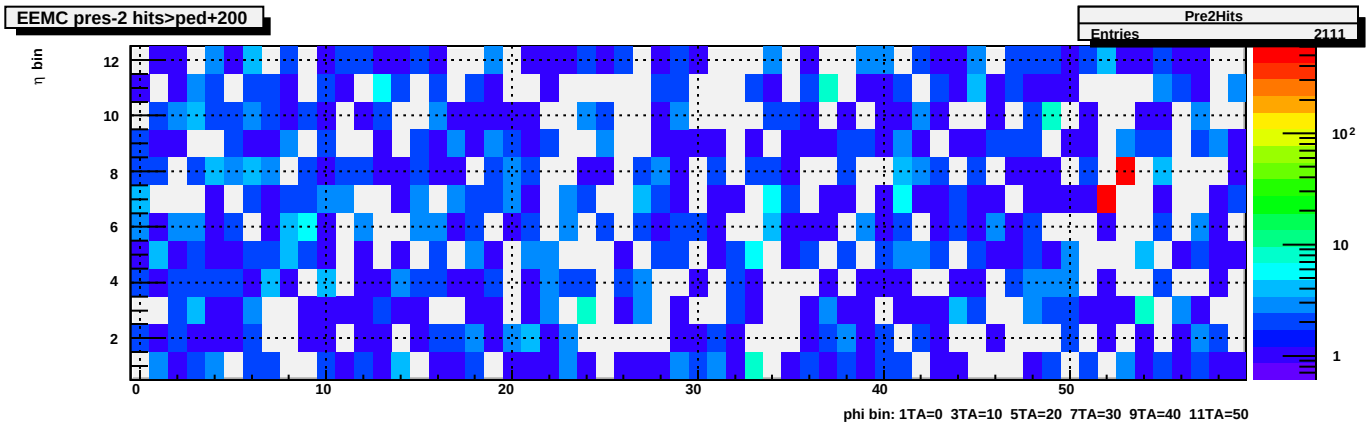

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 617
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
BEMC ETOT emul sum over 3 brds @ level2

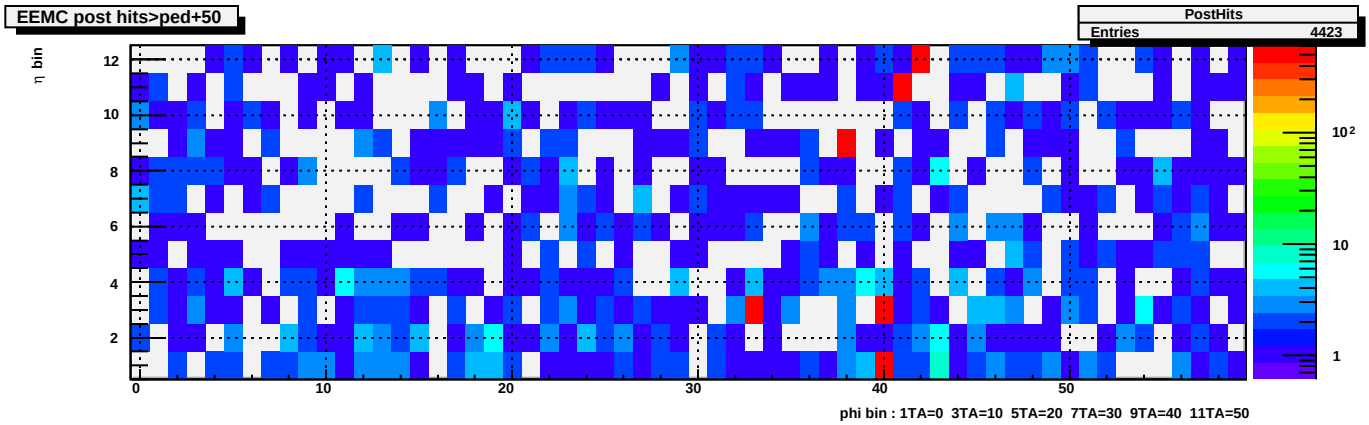

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 617
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
B+EEMC ETOT emul sum over 4 brds @ level2

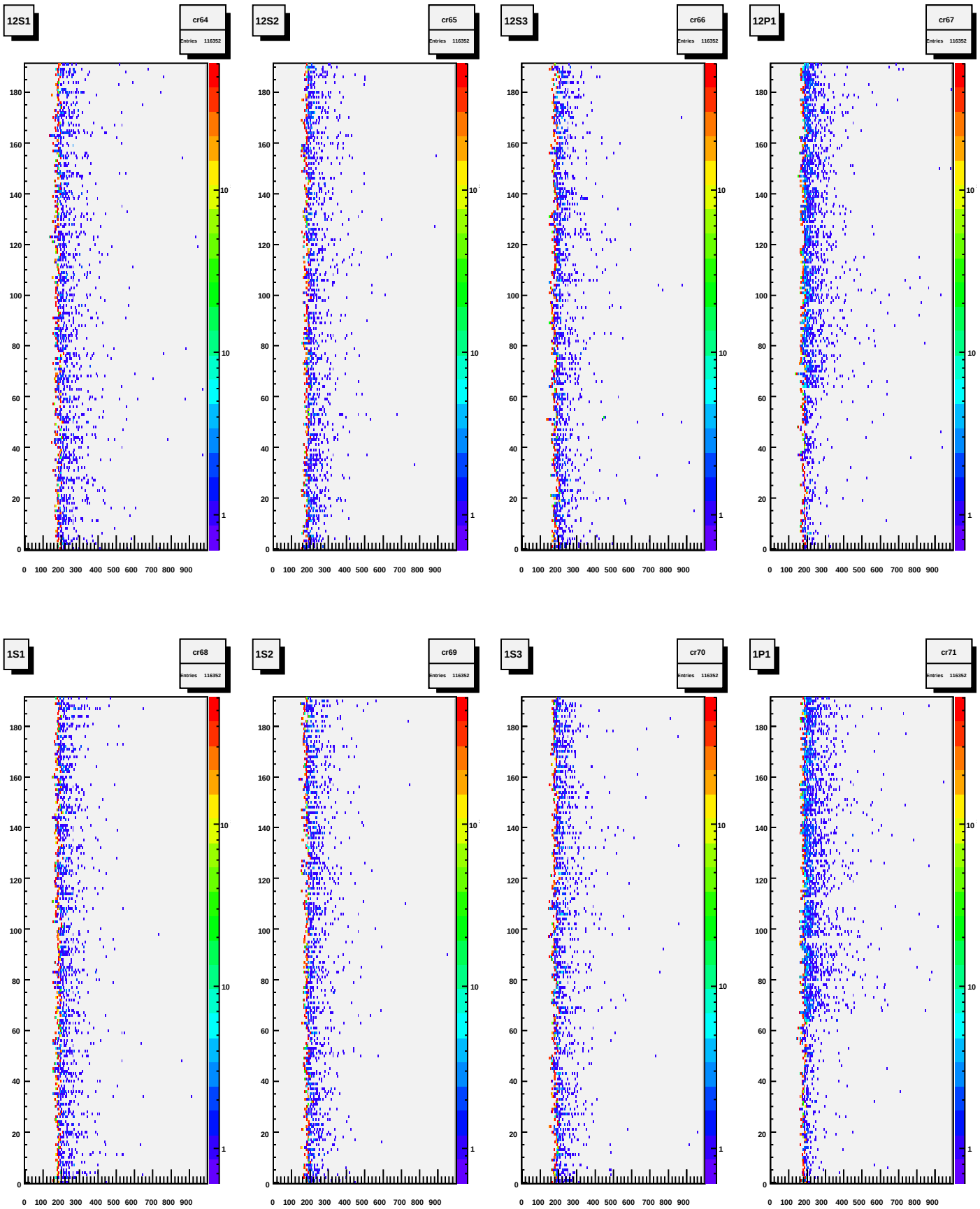

11TD-1TC
cr1
Entries 77568
1TD-3TC
cr2
Entries 77568
3TD-5TC
cr3
Entries 77568
5TD-7TC
cr4
Entries 77568
7TD-9TC
cr5
Entries 77568
9TD-11TC
cr6
Entries 77568
0
20
40
60
80
100
120
0
100
200
300
400
500
1
10
10

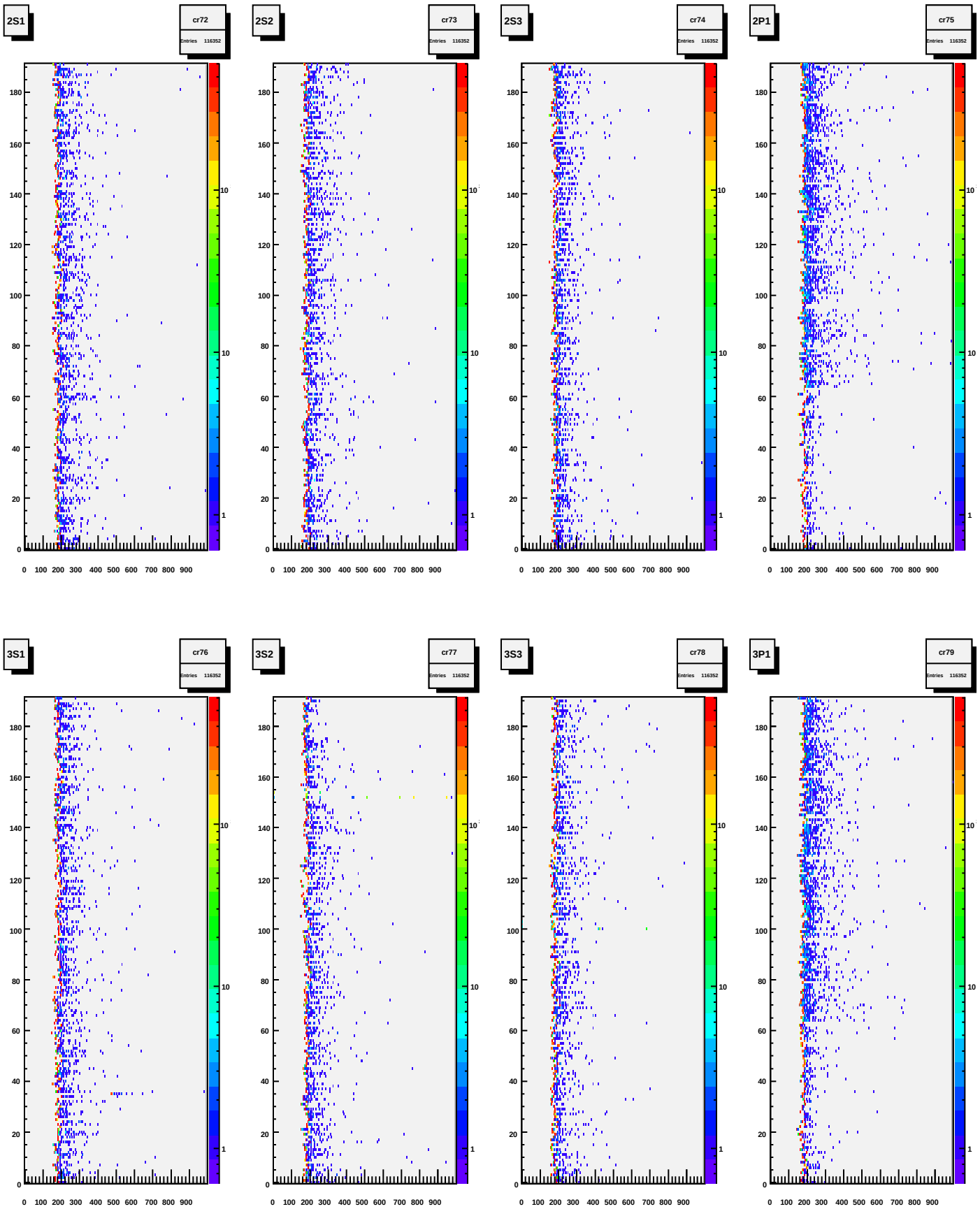

EEMC Tower hits>ped+40
Jet Patch 2 Jet Patch 3 Jet Patch 4 Jet Patch 5 Jet Patch
TowHits
Entries 558
η bin
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

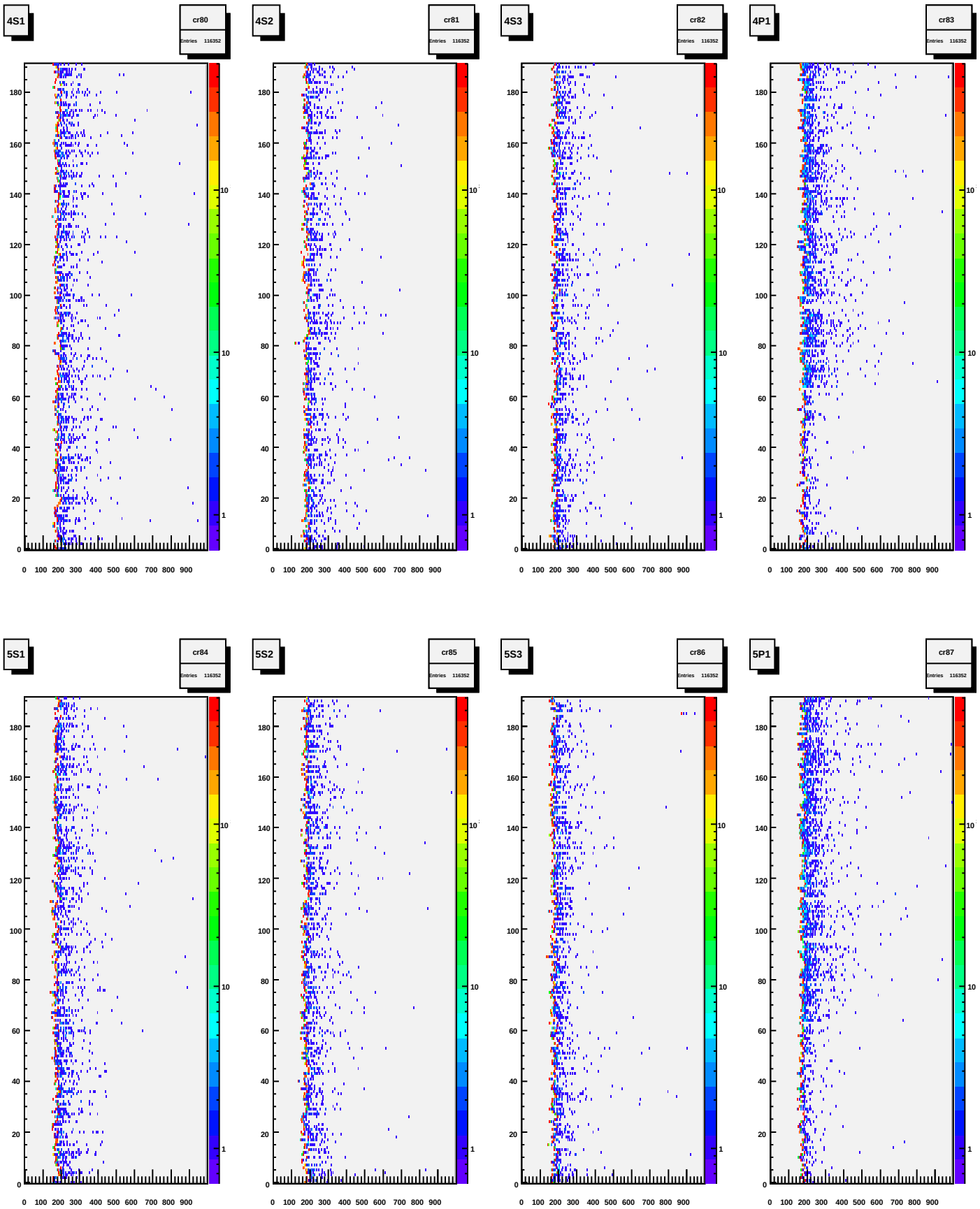

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 731
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

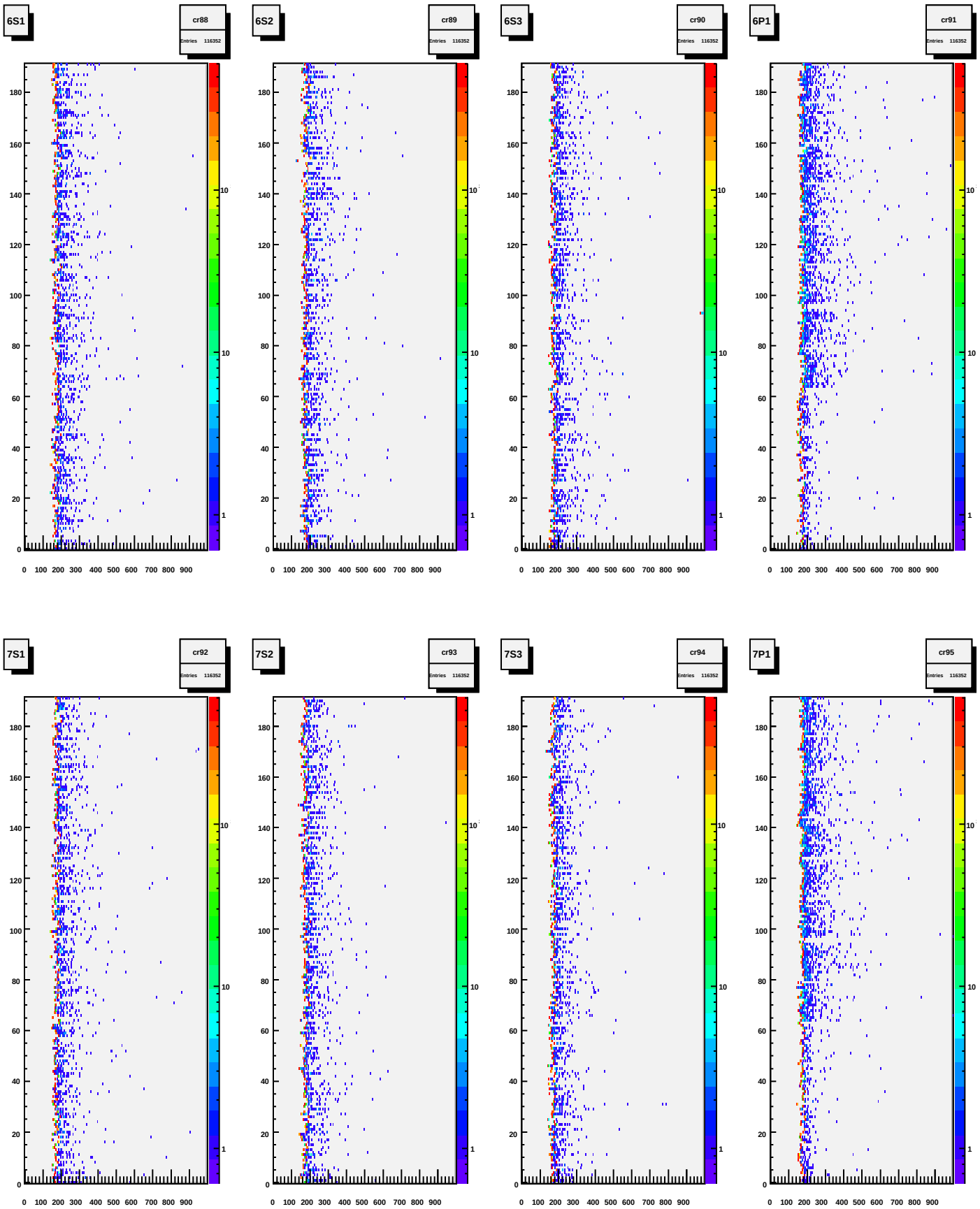

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 2111
η bin
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

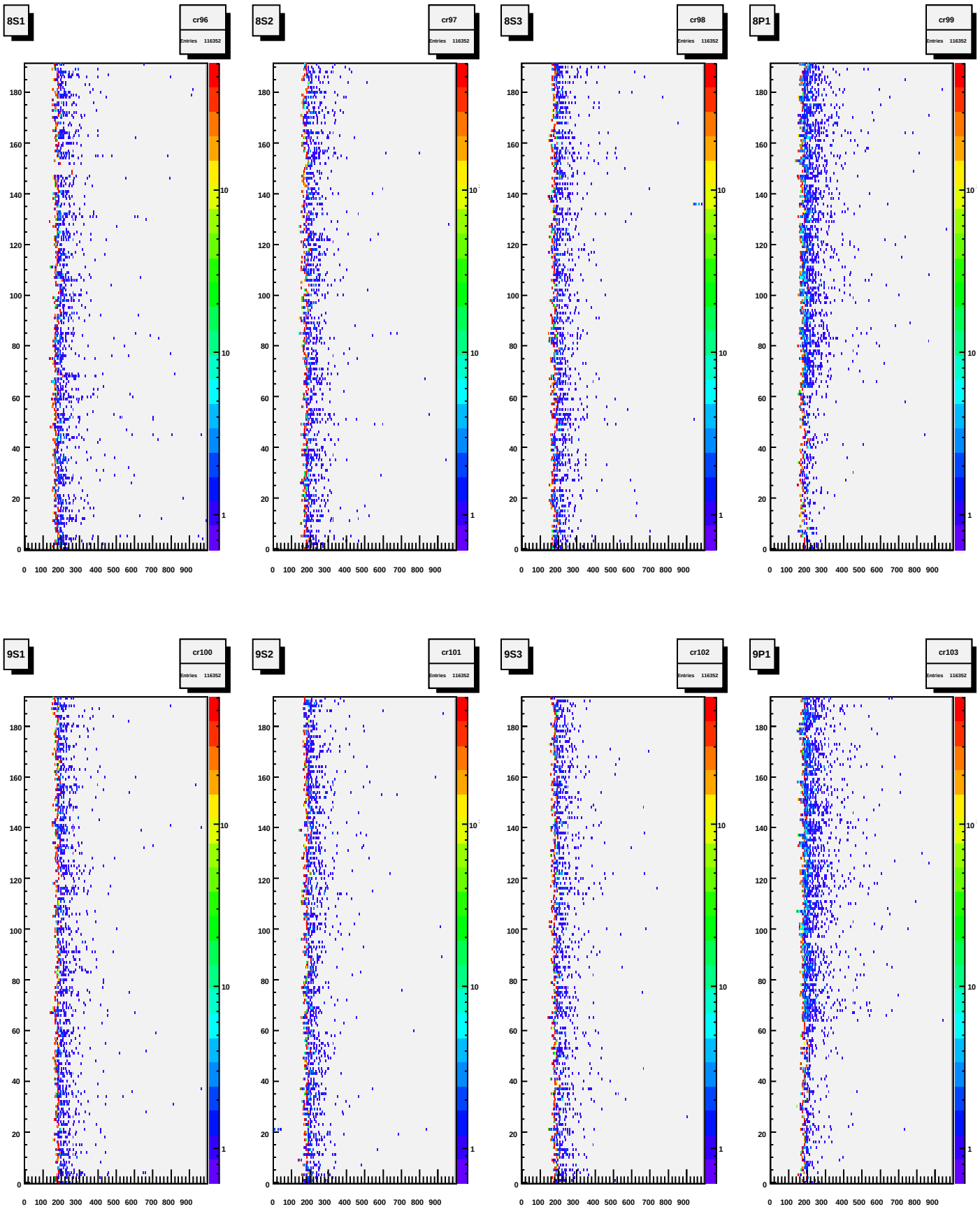

EEMC post hits>ped+50
PostHits
Entries 4423
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

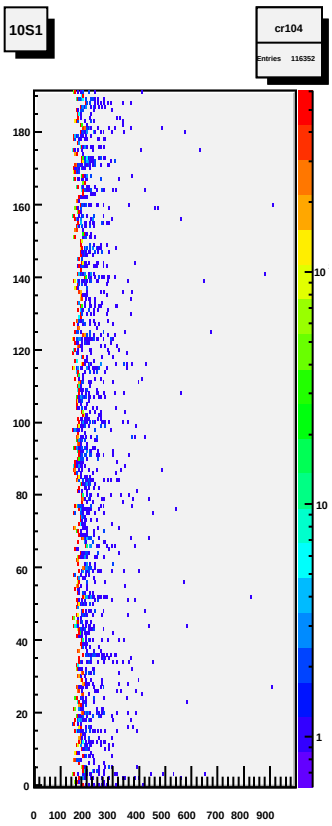

12S1
cr64
Entries 116352
12S2
cr65
Entries 116352
12S3
cr66
Entries 116352
12P1
cr67
Entries 116352
1S1
cr68
Entries 116352
1S2
cr69
Entries 116352
1S3
cr70
Entries 116352
1P1
cr71
Entries 116352
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900
1
10
10

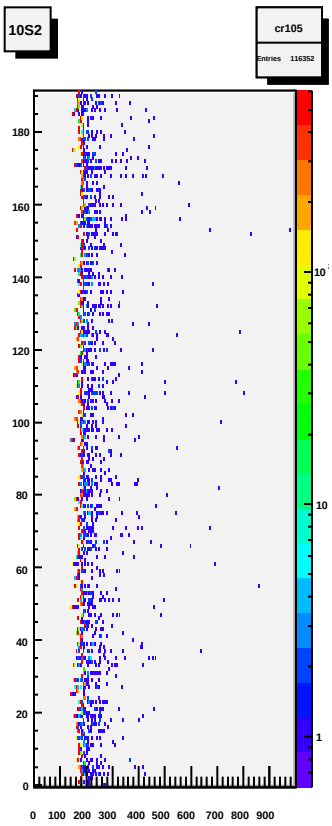

2S1
cr72
Entries 116352
2S2
cr73
Entries 116352
2S3
cr74
Entries 116352
2P1
cr75
Entries 116352
3S1
cr76
Entries 116352
3S2
cr77
Entries 116352
3S3
cr78
Entries 116352
3P1
cr79
Entries 116352
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10
10

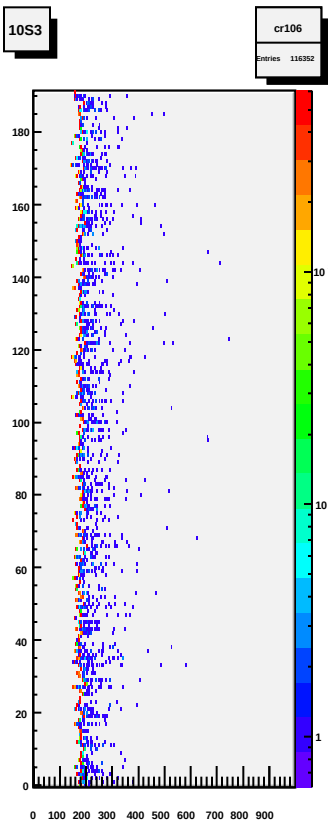

4S1
cr80
Entries 116352
4S2
cr81
Entries 116352
4S3
cr82
Entries 116352
4P1
cr83
Entries 116352
5S1
cr84
Entries 116352
5S2
cr85
Entries 116352
5S3
cr86
Entries 116352
5P1
cr87
Entries 116352
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10
10

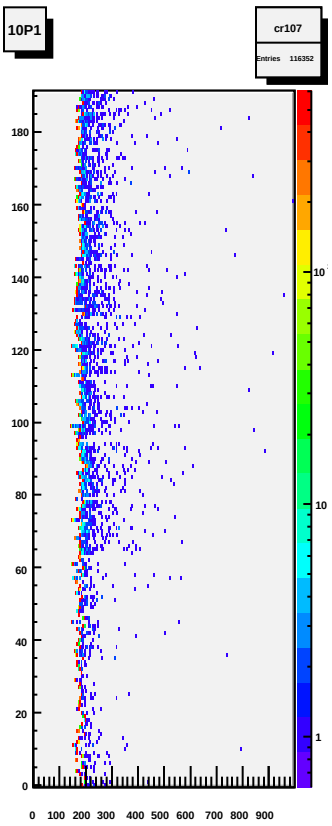

6S1
cr88
Entries 116352
6S2
cr89
Entries 116352
6S3
cr90
Entries 116352
6P1
cr91
Entries 116352
7S1
cr92
Entries 116352
7S2
cr93
Entries 116352
7S3
cr94
Entries 116352
7P1
cr95
Entries 116352
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900
1
10
10

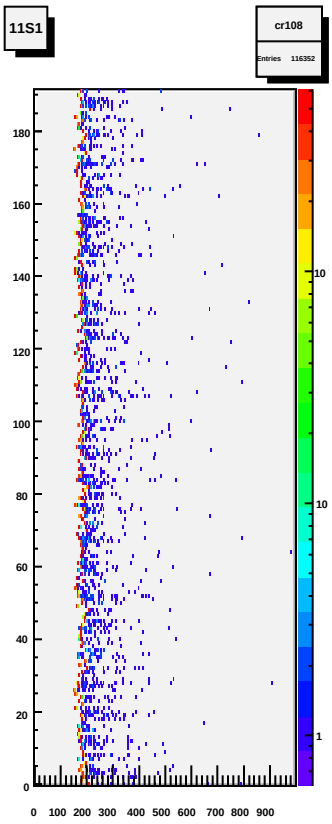

8S1
cr96
Entries 116352
8S2
cr97
Entries 116352
8S3
cr98
Entries 116352
8P1
cr99
Entries 116352
9S1
cr100
Entries 116352
9S2
cr101
Entries 116352
9S3
cr102
Entries 116352
9P1
cr103
Entries 116352
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10
10

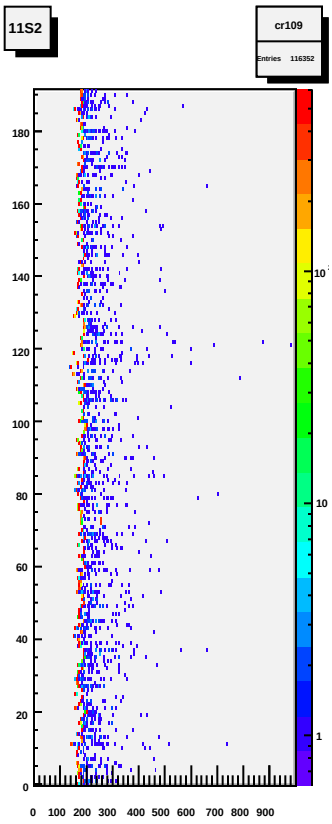

10S1
cr104
Entries 116352

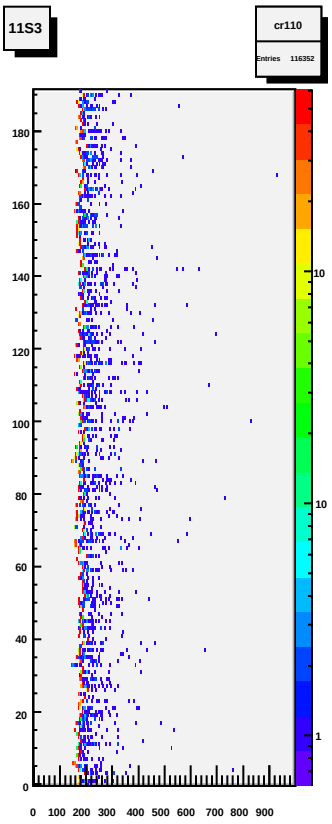

10S2
cr105
Entries 116352

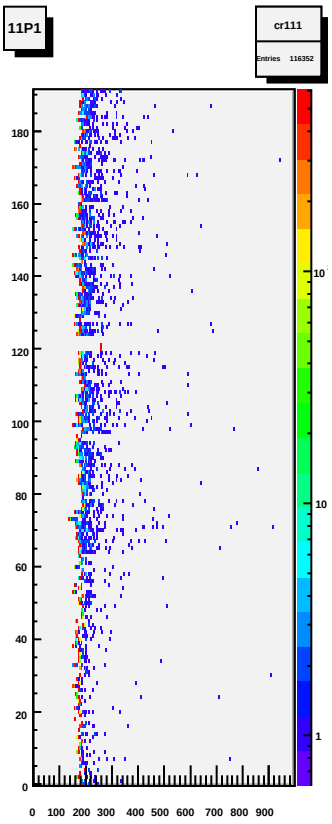

10S3
cr106
Entries 116352

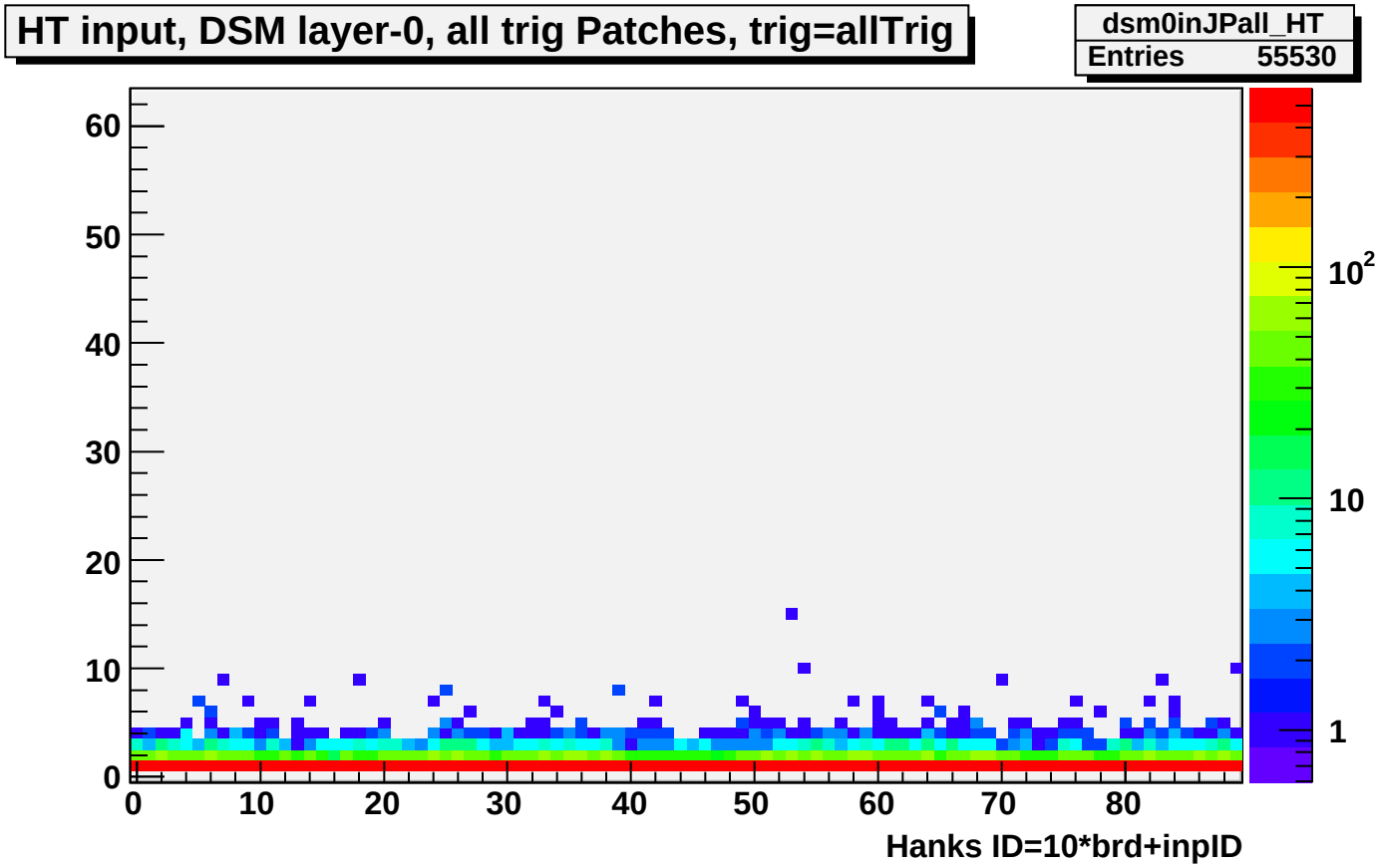

10P1
cr107
Entries 116352

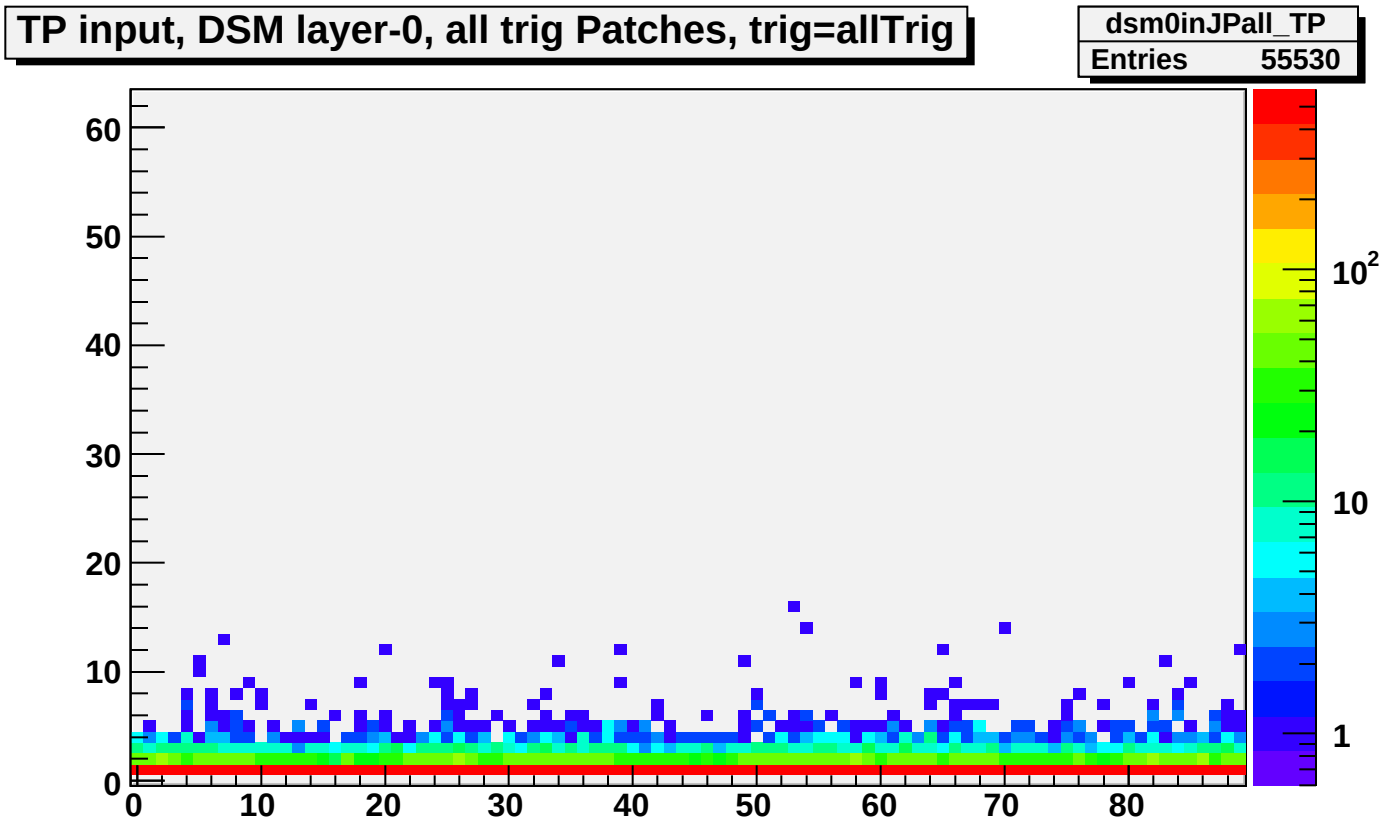

11S1
cr108
Entries 116352

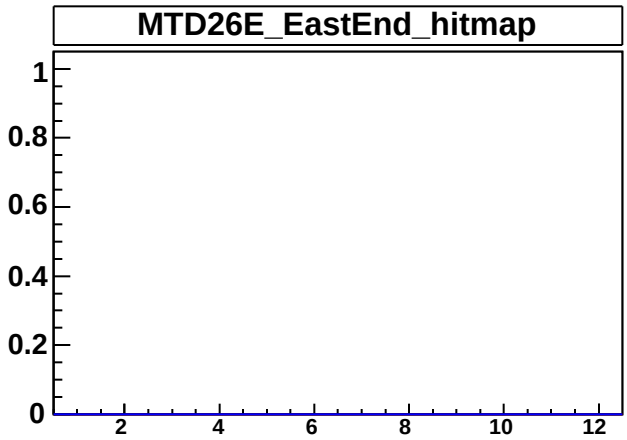

11S2
cr109
Entries 116352

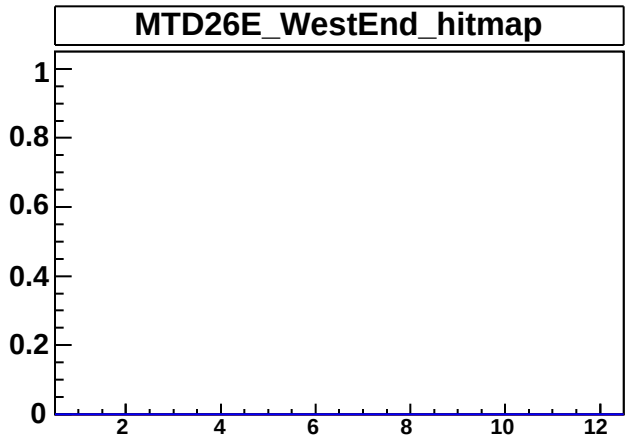

11S3
cr110
Entries 116352

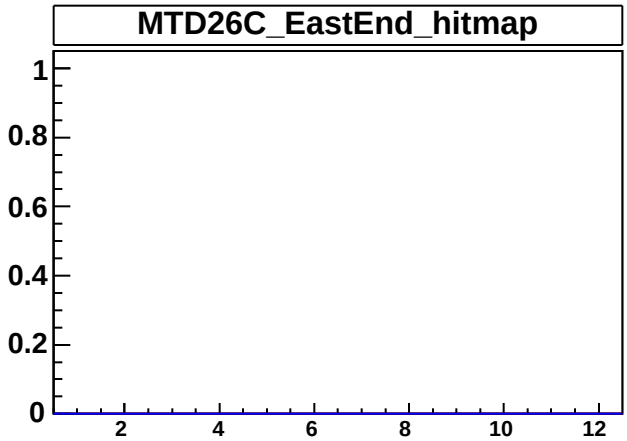

11P1
cr111
Entries 116352


HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 55530
Hanks ID=10*brd+inpID


TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 55530


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
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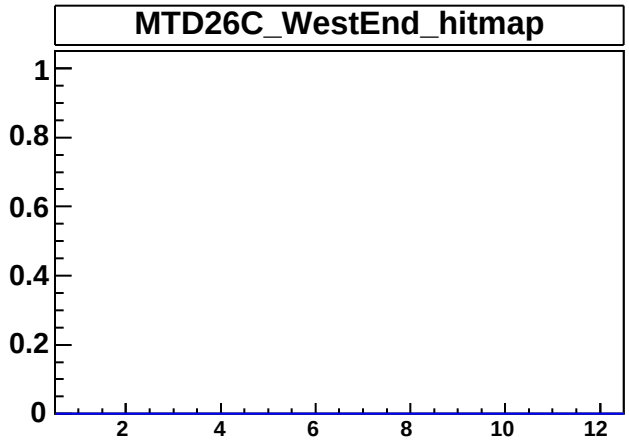
0.6
0.4
0.2
0
2
4
6
8
10
12


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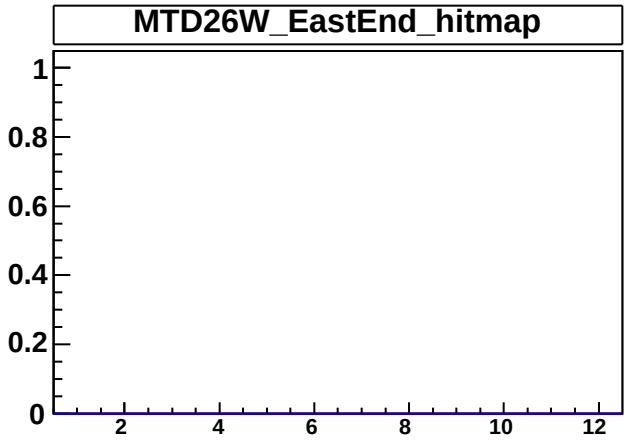
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12


MTD26W_EastEnd_hitmap
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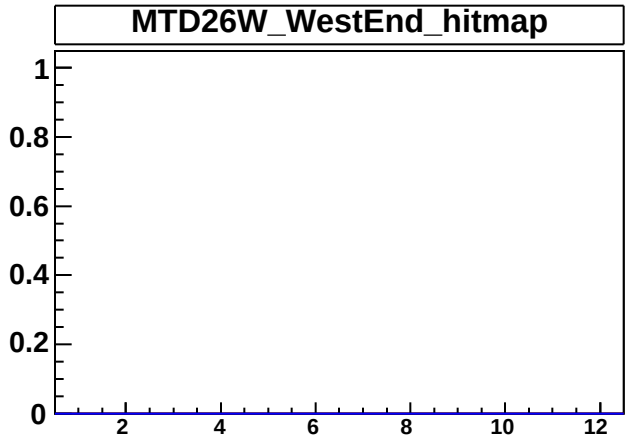
0.6
0.4
0.2
0
2
4
6
8
10
12


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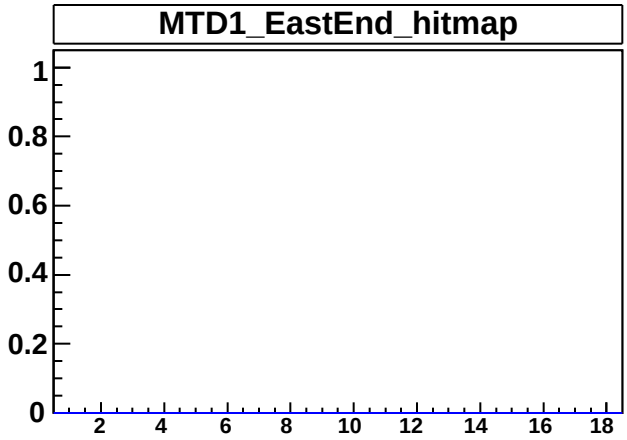
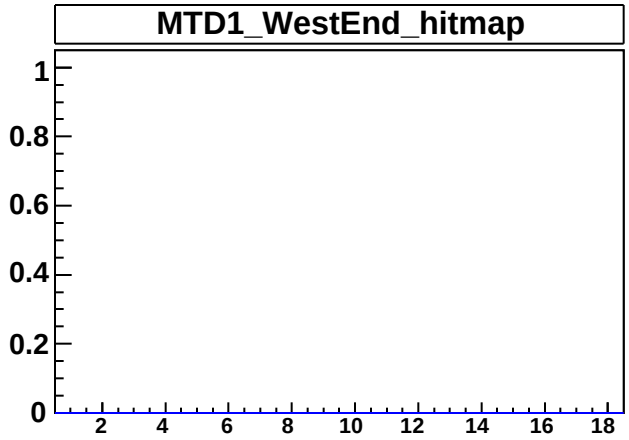
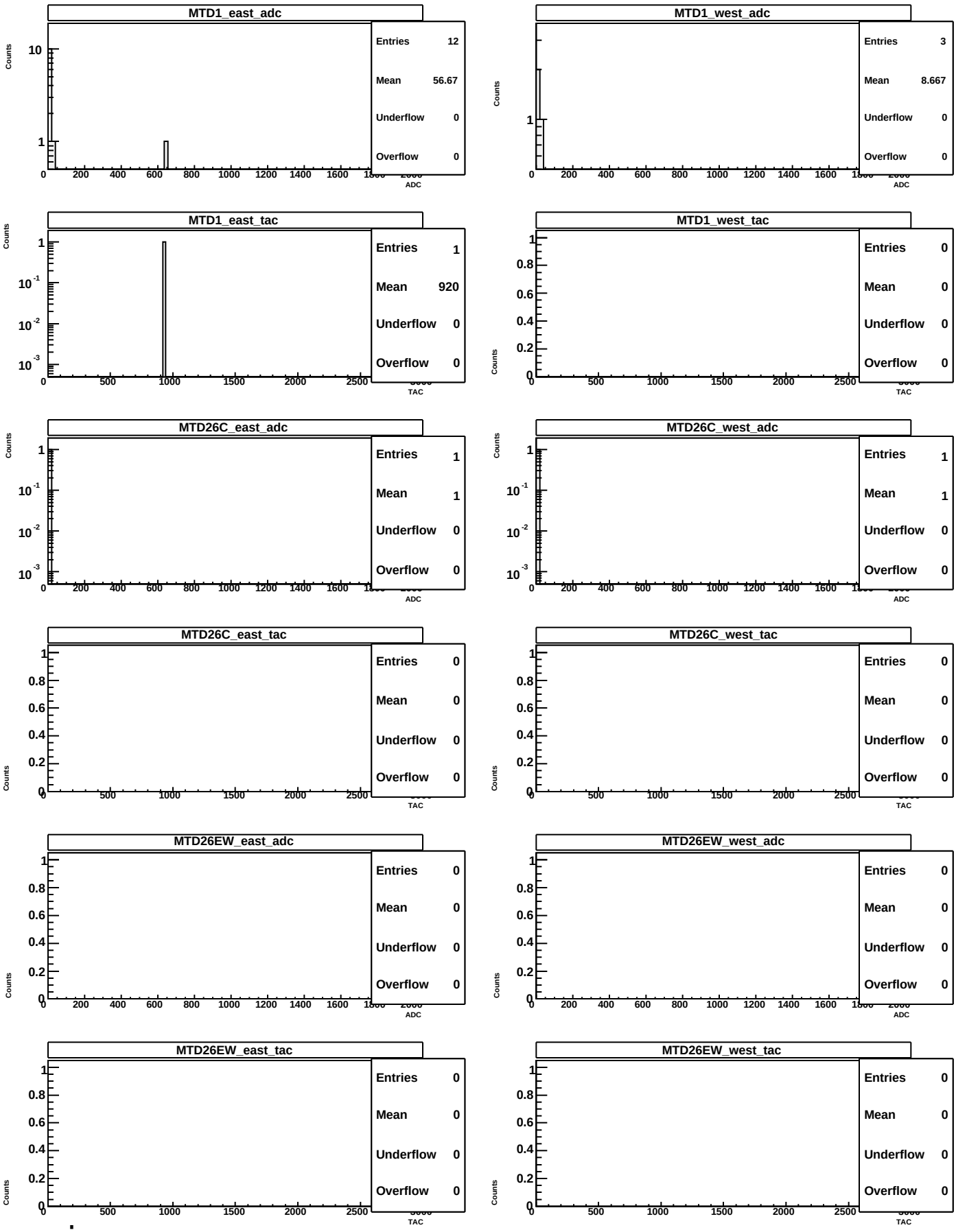
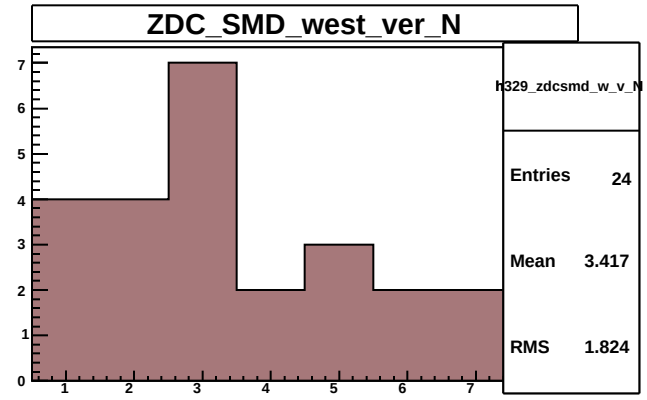
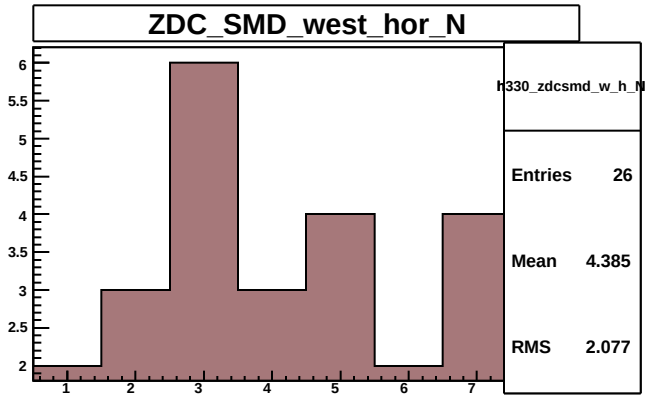
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

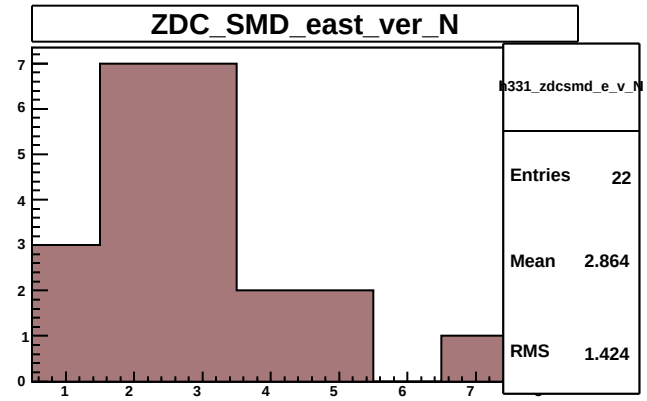

MTD1_EastEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12
14
16
18

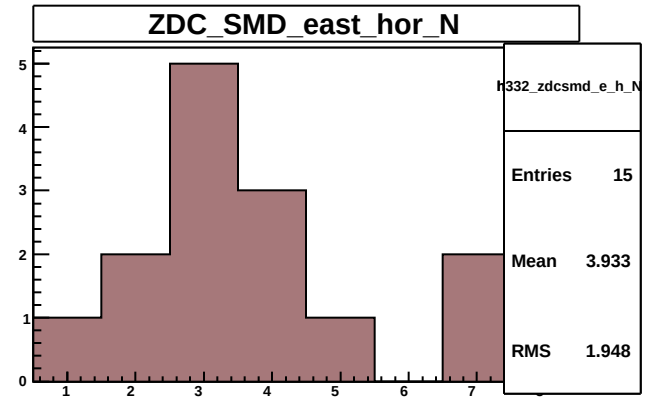

MTD1_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12
14
16
18

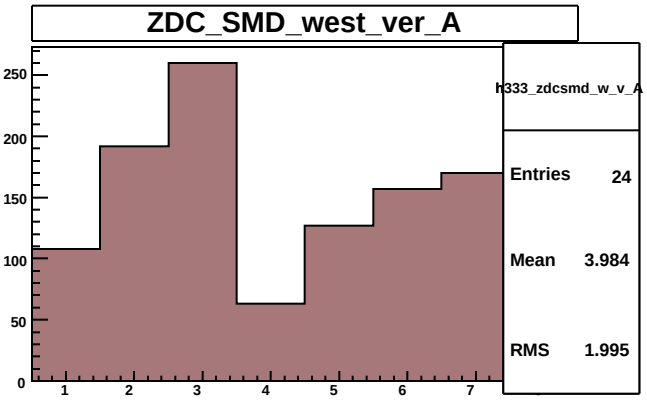

MTD1_east_adc
Entries 12
Mean 56.67
Underflow 0
Overflow 0
Counts
ADC
MTD1_west_adc
Entries 3
Mean 8.667
Underflow 0
Overflow 0
Counts
ADC
MTD1_east_tac
Entries 1
Mean 920
Underflow 0
Overflow 0
Counts
TAC
MTD1_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26C_east_adc
Entries 1
Mean 1
Underflow 0
Overflow 0
Counts
ADC
MTD26C_west_adc
Entries 1
Mean 1
Underflow 0
Overflow 0
Counts
ADC
MTD26C_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26C_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_east_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26EW_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26EW_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC

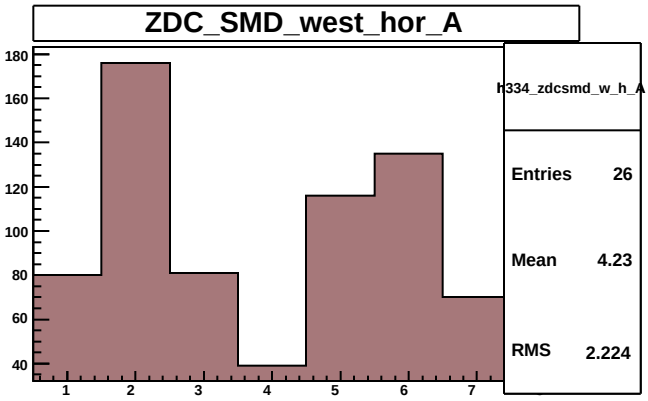

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 24
Mean 3.417
RMS 1.824

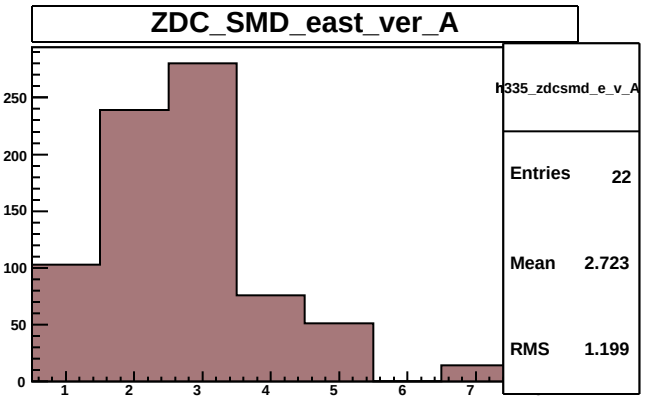

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 26
Mean 4.385
RMS 2.077

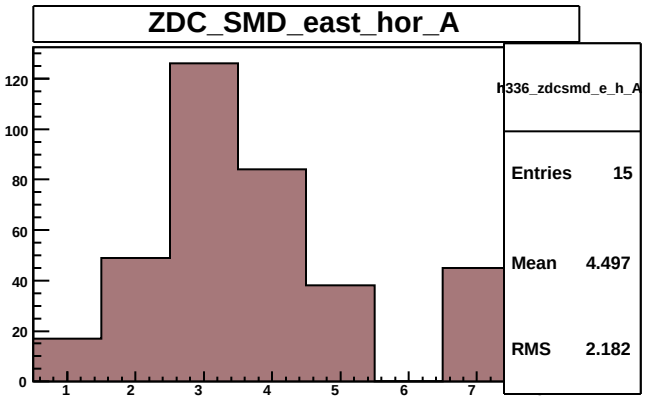

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 22
Mean 2.864
RMS 1.424

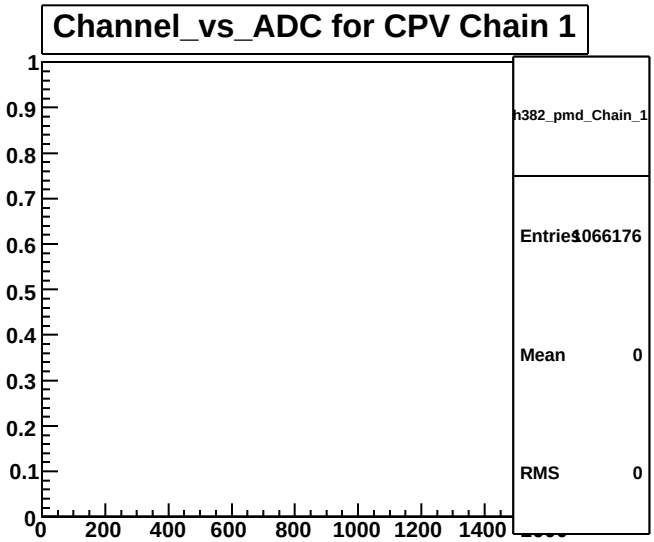

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 15
Mean 3.933
RMS 1.948

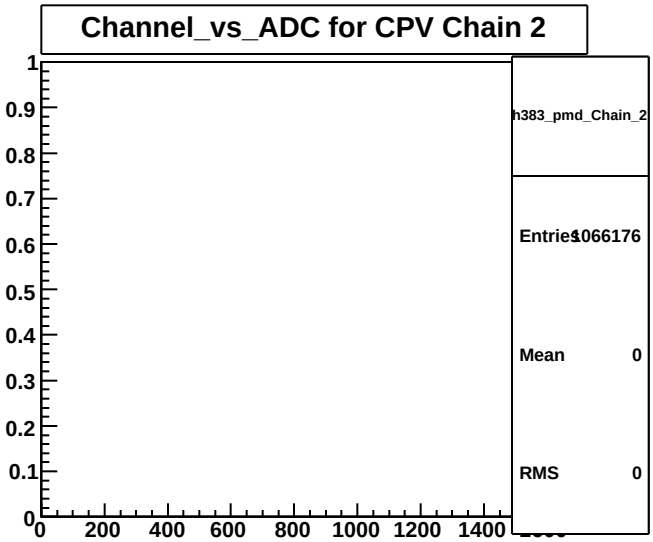

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 24
Mean 3.984
RMS 1.995

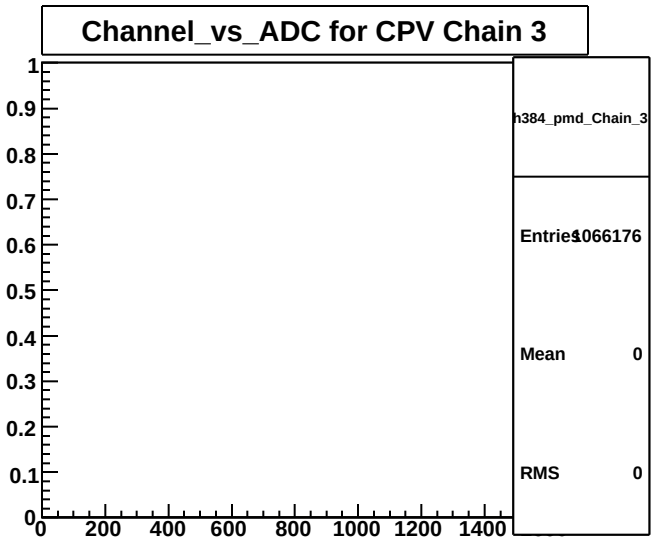

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 26
Mean 4.23
RMS 2.224

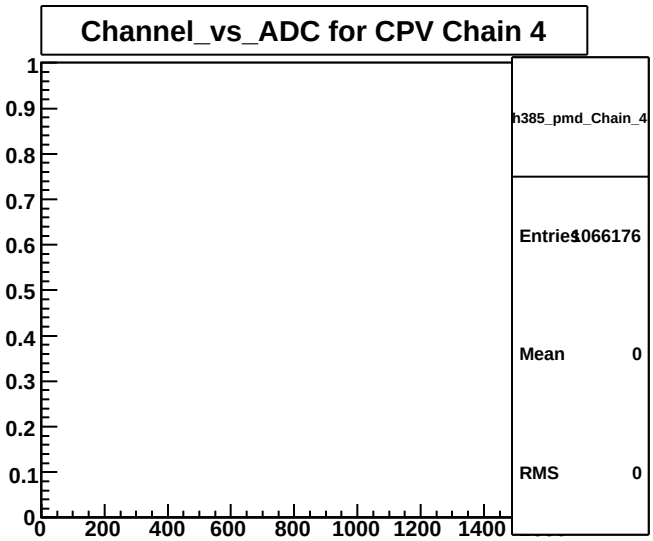

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 22
Mean 2.723
RMS 1.199

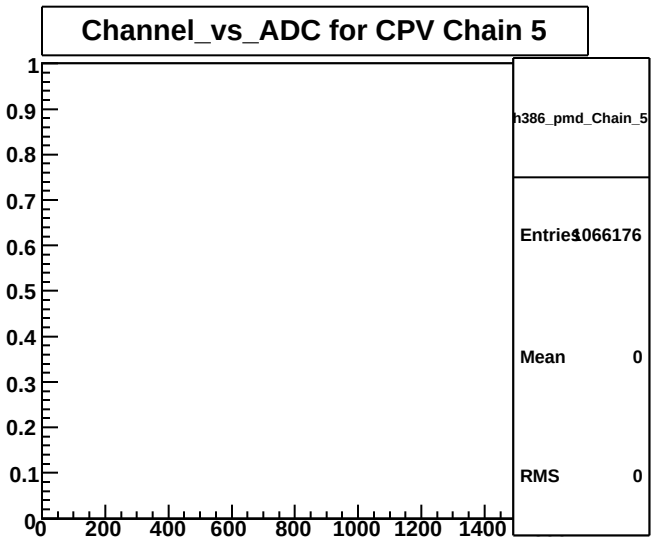

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 15
Mean 4.497
RMS 2.182

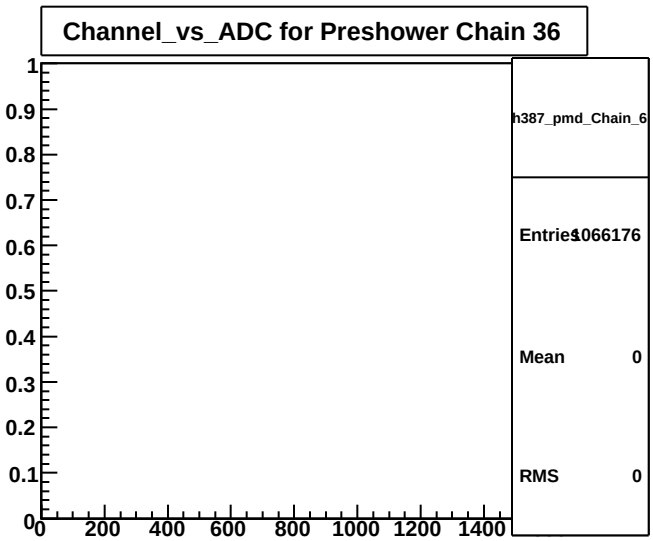

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 1066176
Mean 0
RMS 0

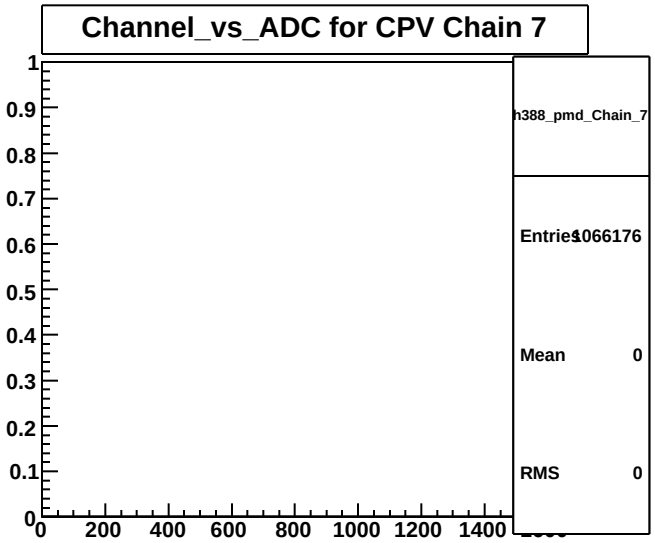

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 1066176
Mean 0
RMS 0

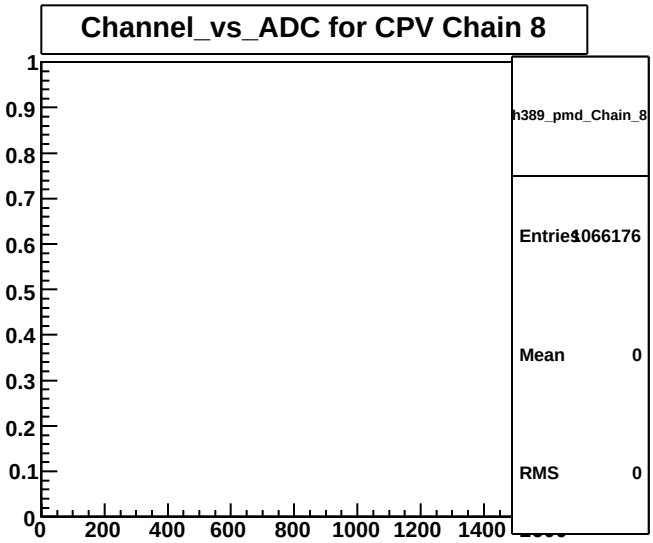

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 1066176
Mean 0
RMS 0

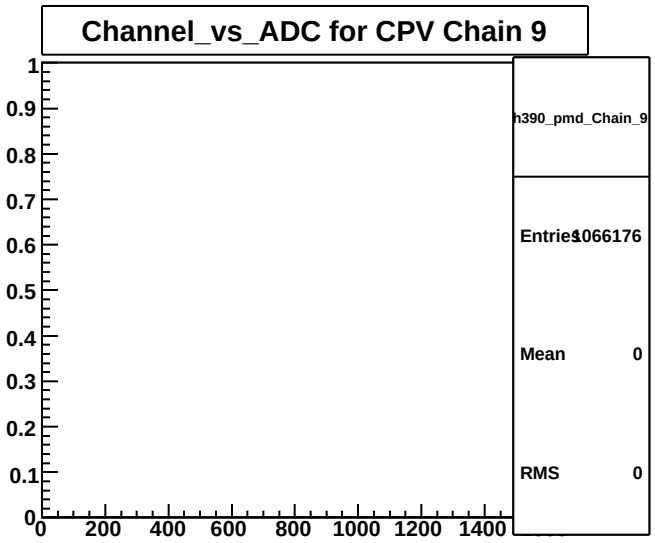

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 1066176
Mean 0
RMS 0

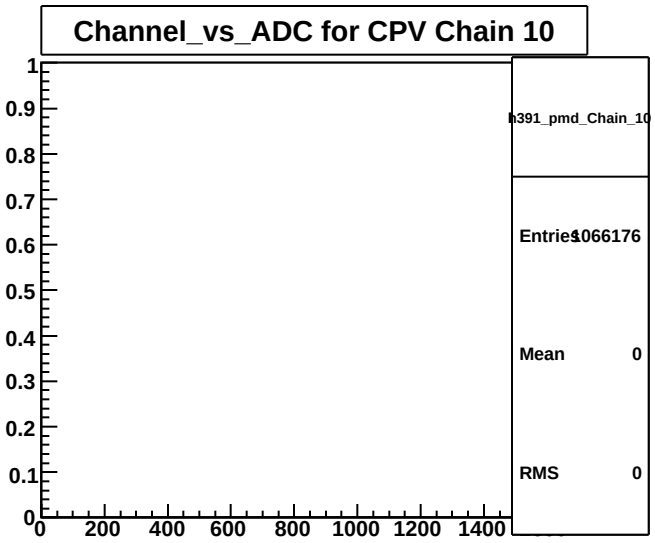

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 1066176
Mean 0
RMS 0

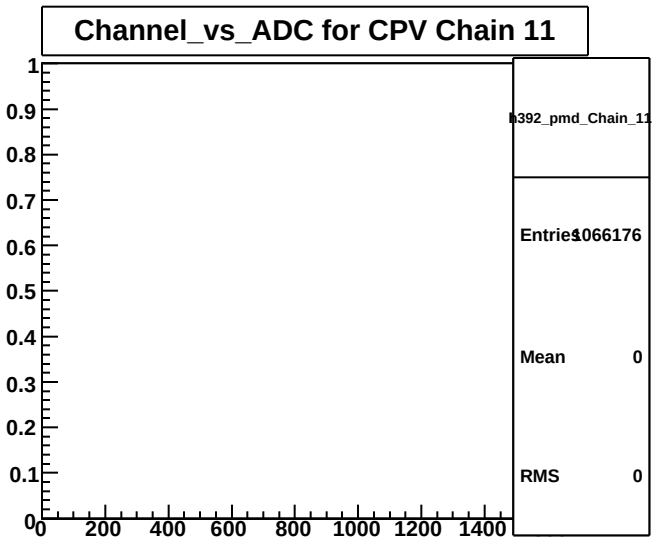

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 1066176
Mean 0
RMS 0

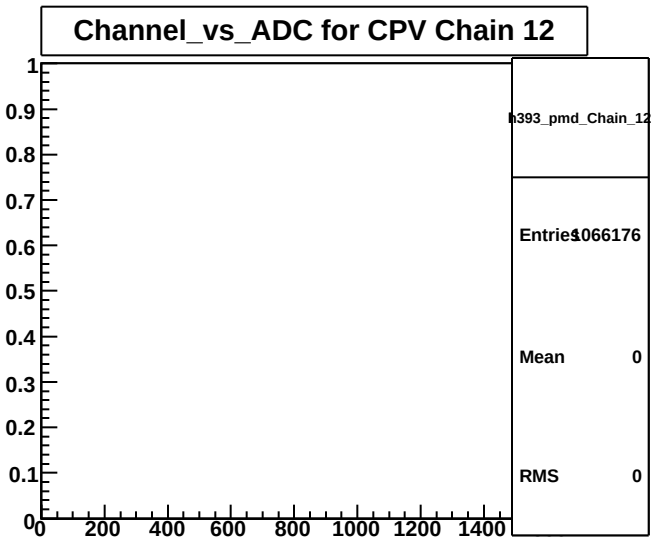

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 1066176
Mean 0
RMS 0

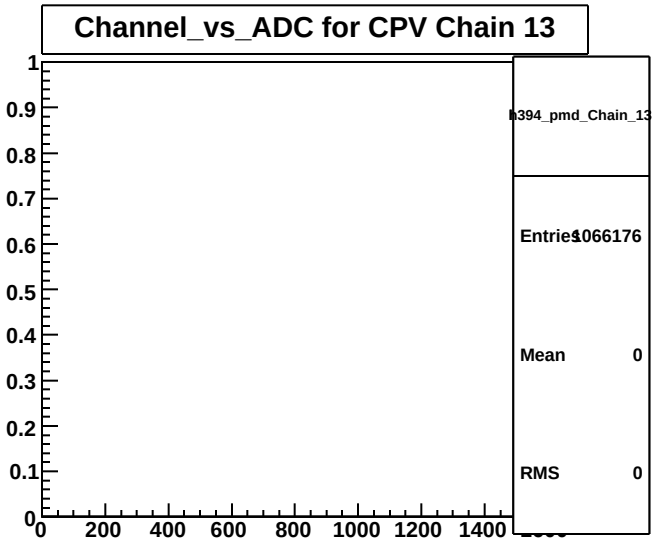

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 1066176
Mean 0
RMS 0

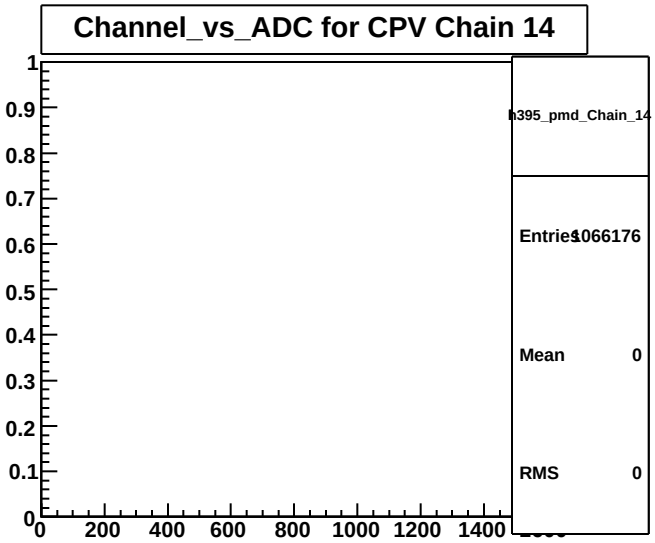

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 1066176
Mean 0
RMS 0

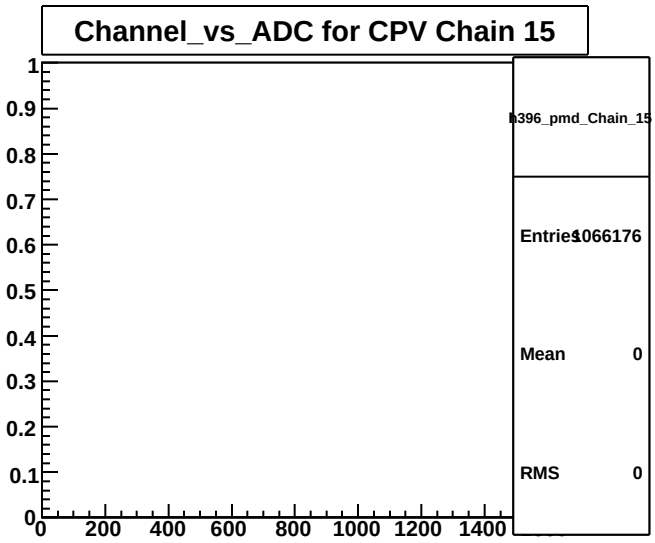

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 1066176
Mean 0
RMS 0

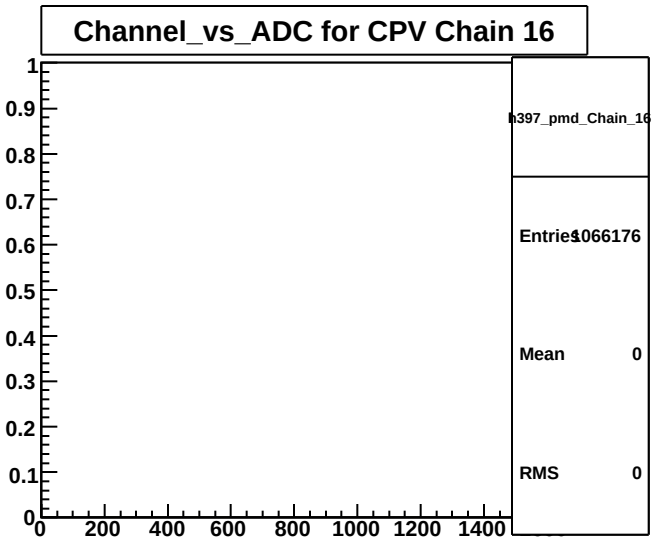

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 1066176
Mean 0
RMS 0

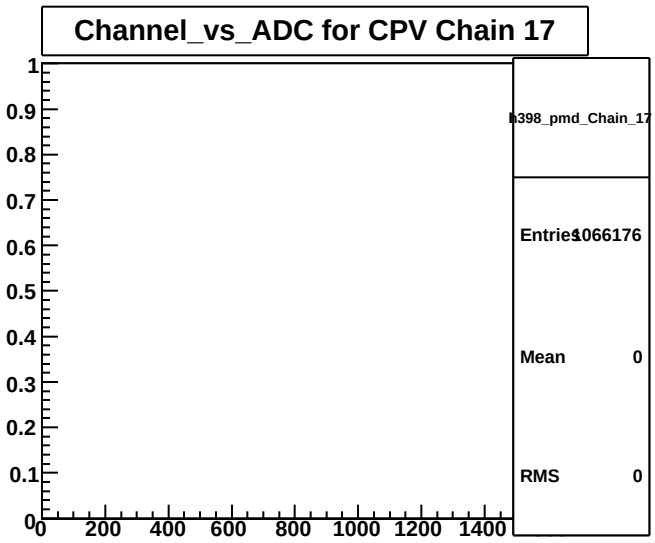

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 1066176
Mean 0
RMS 0

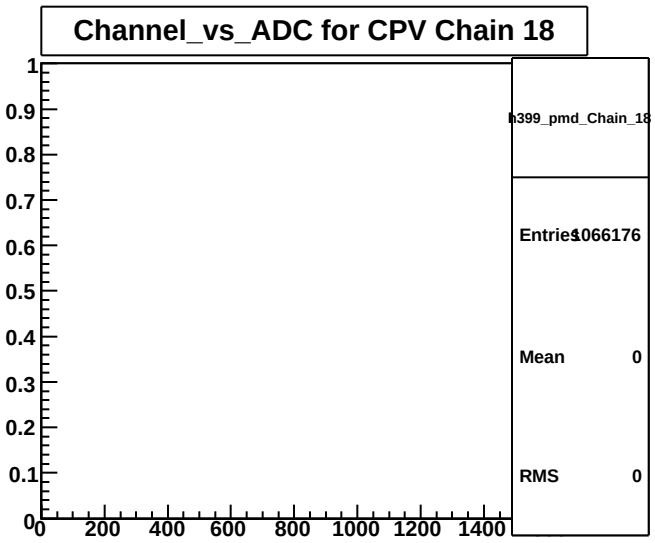

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 1066176
Mean 0
RMS 0

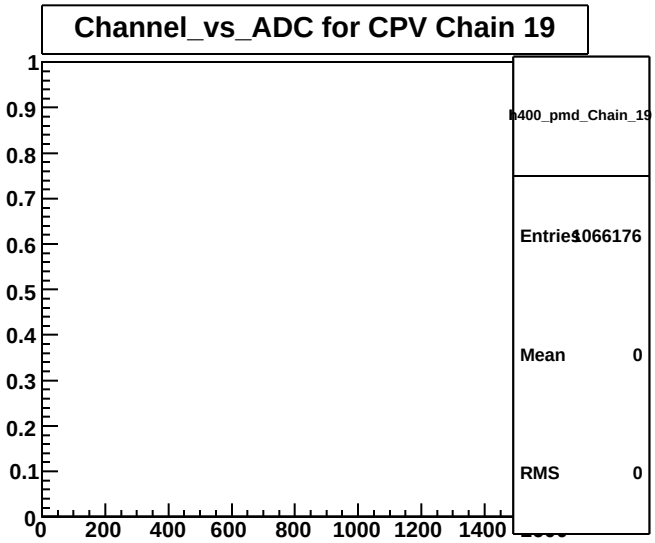

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 1066176
Mean 0
RMS 0

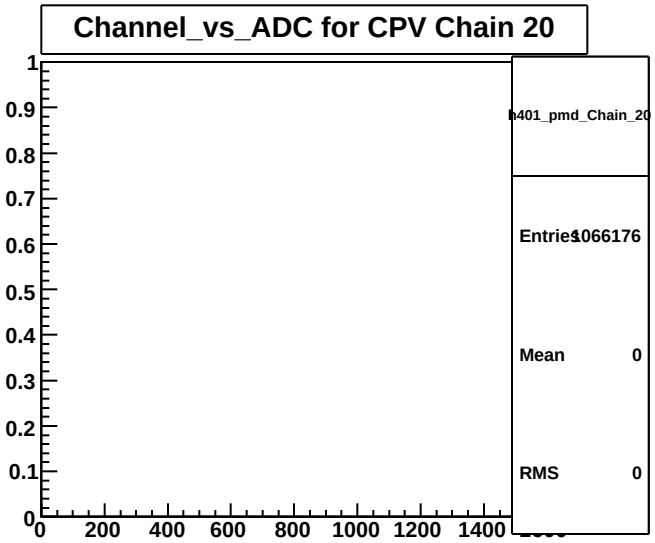

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 1066176
Mean 0
RMS 0

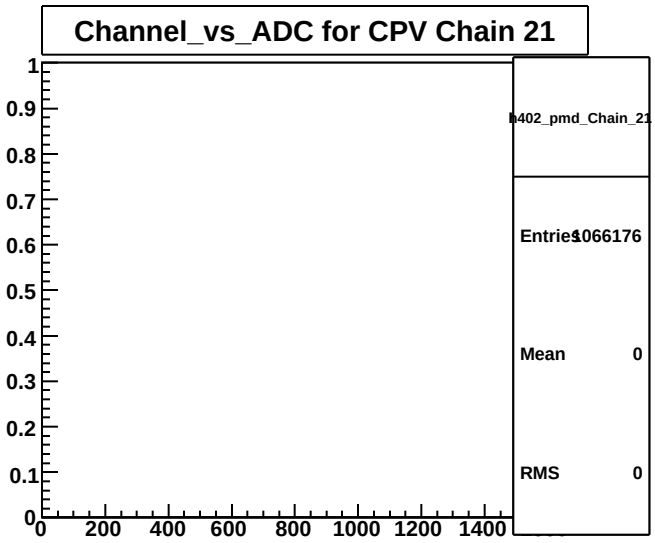

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 1066176
Mean 0
RMS 0

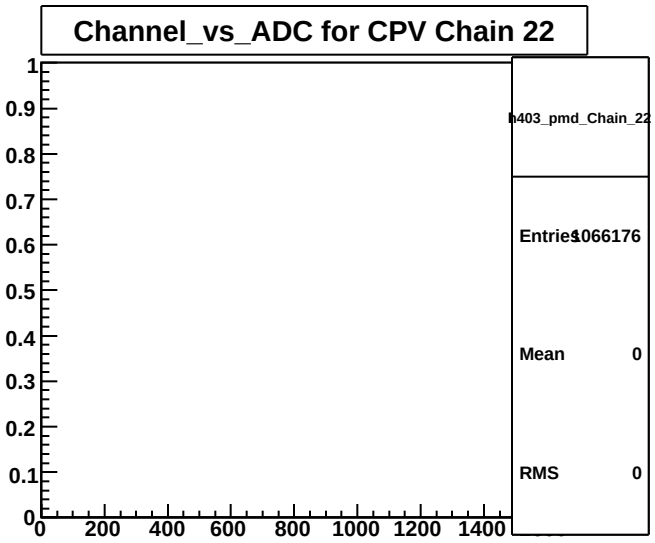

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 1066176
Mean 0
RMS 0

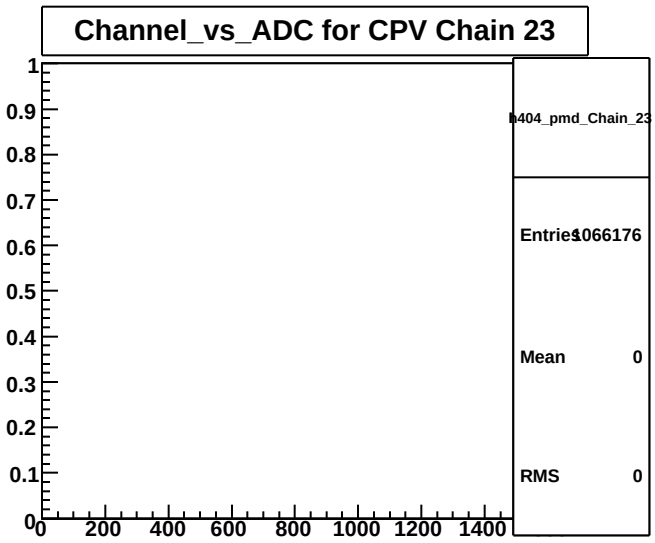

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 1066176
Mean 0
RMS 0

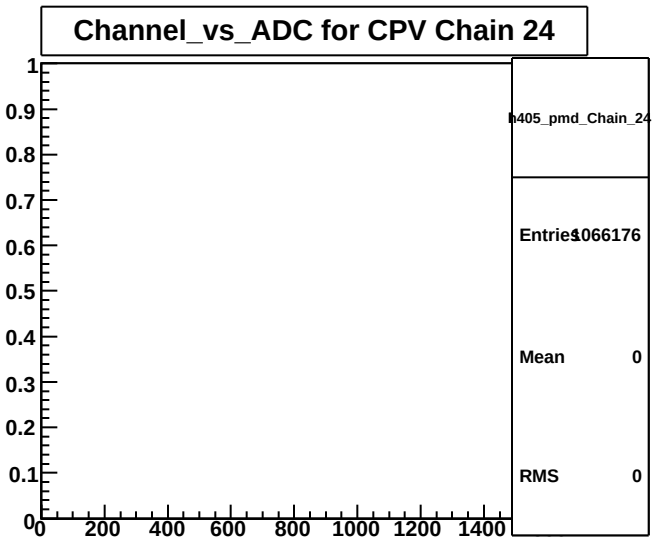

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 1066176
Mean 0
RMS 0

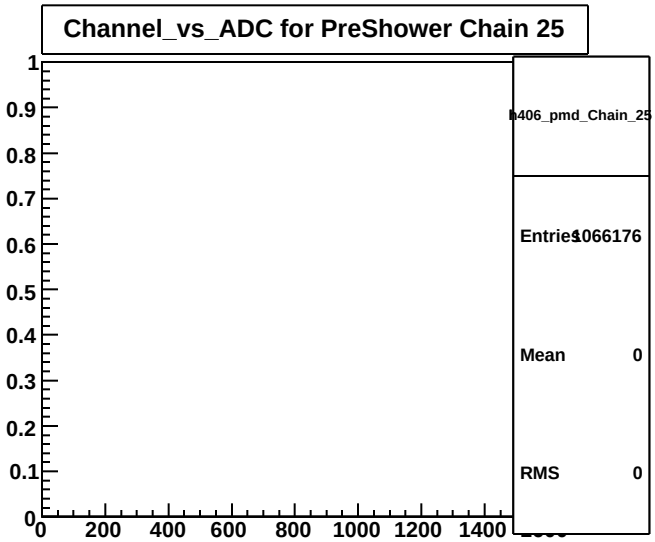

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 1066176
Mean 0
RMS 0

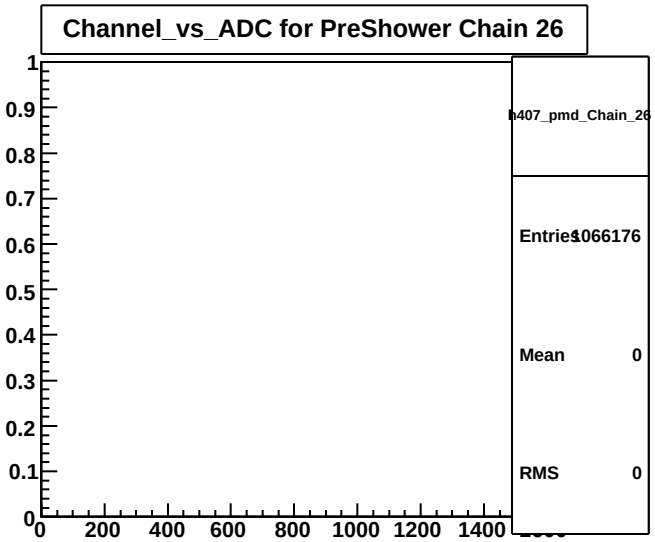

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 1066176
Mean 0
RMS 0

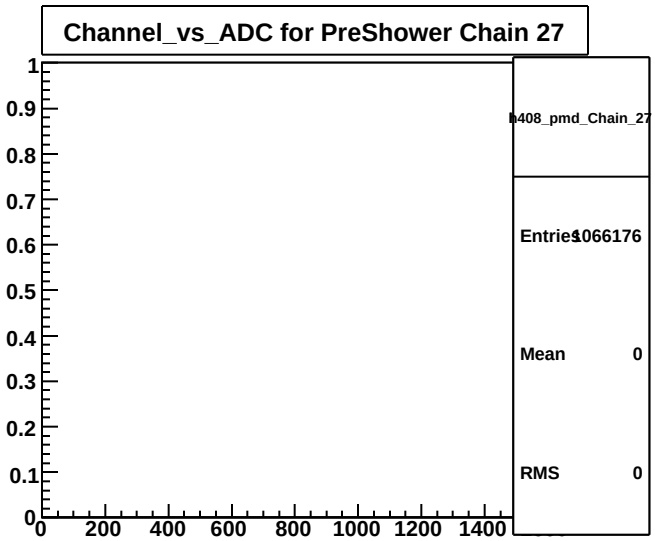

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 1066176
Mean 0
RMS 0

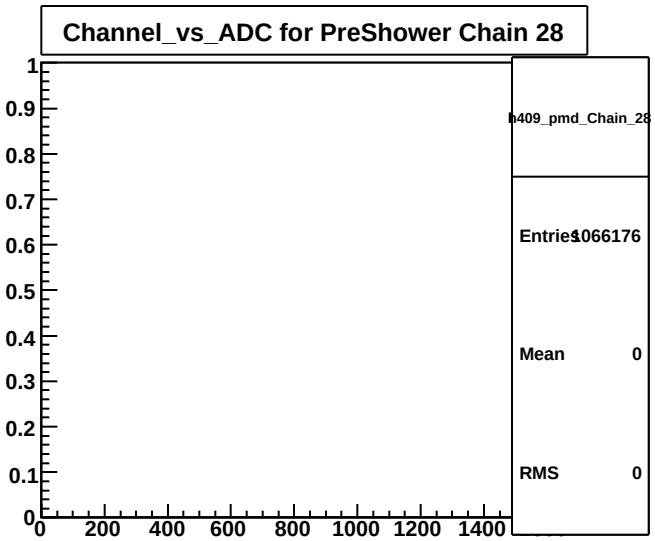

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 1066176
Mean 0
RMS 0

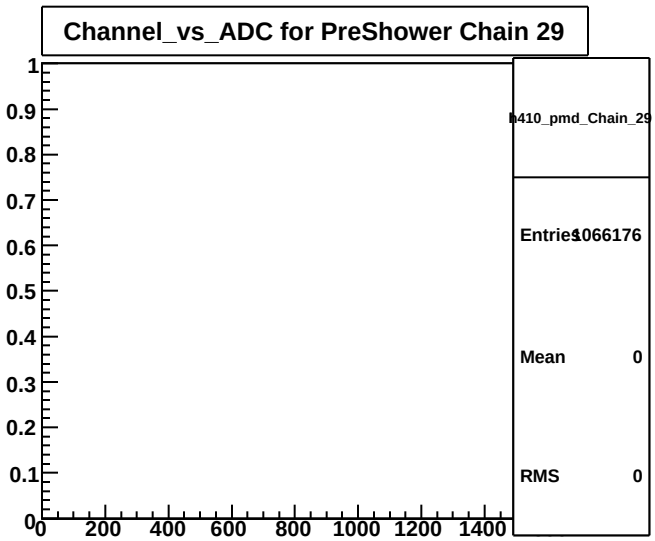

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 1066176
Mean 0
RMS 0

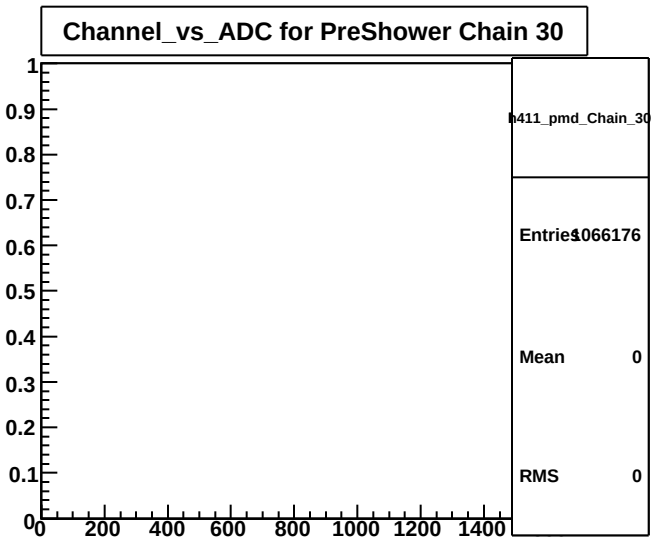

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 1066176
Mean 0
RMS 0

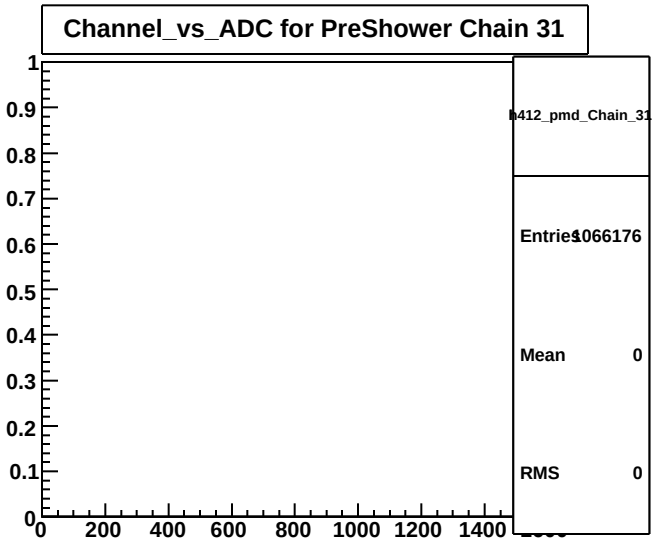

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 1066176
Mean 0
RMS 0

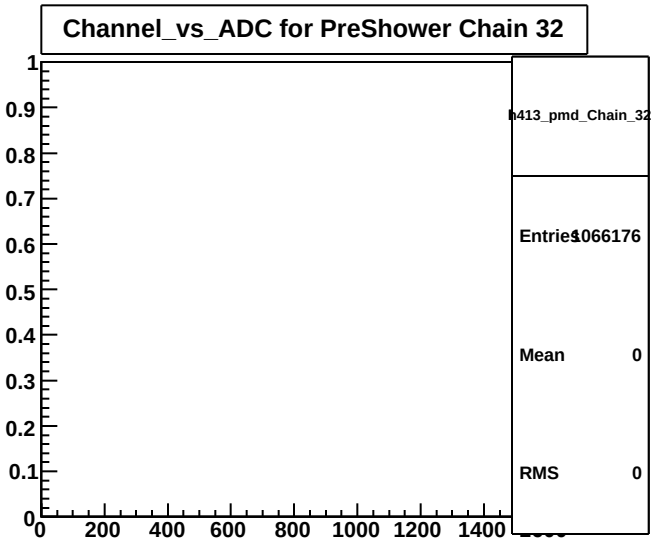

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 1066176
Mean 0
RMS 0

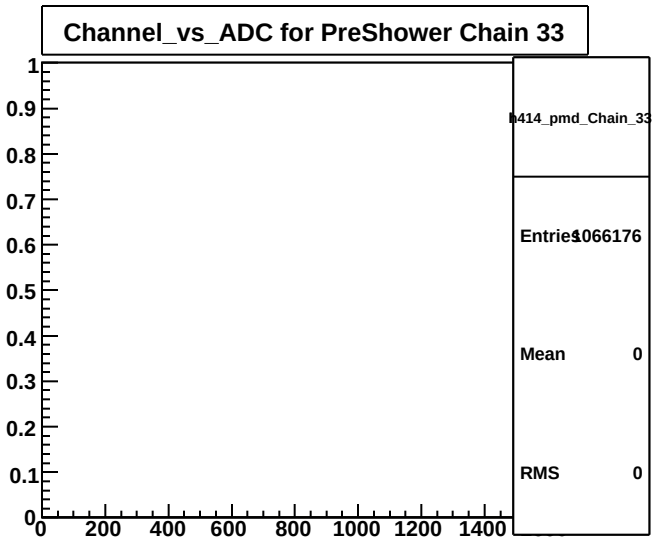

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 1066176
Mean 0
RMS 0

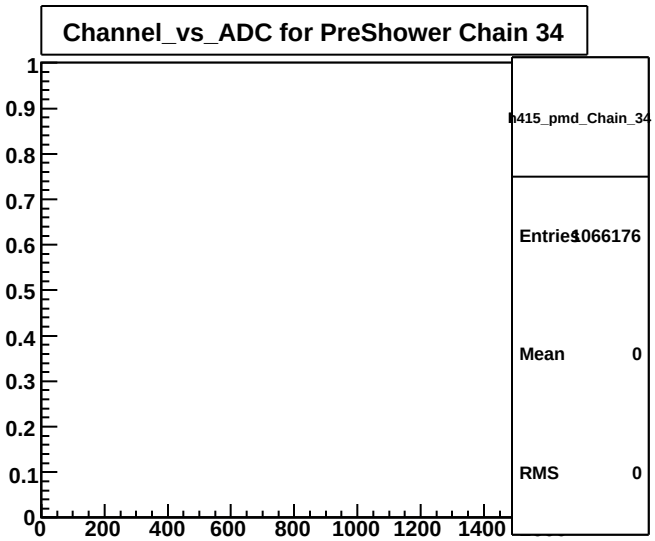

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 1066176
Mean 0
RMS 0

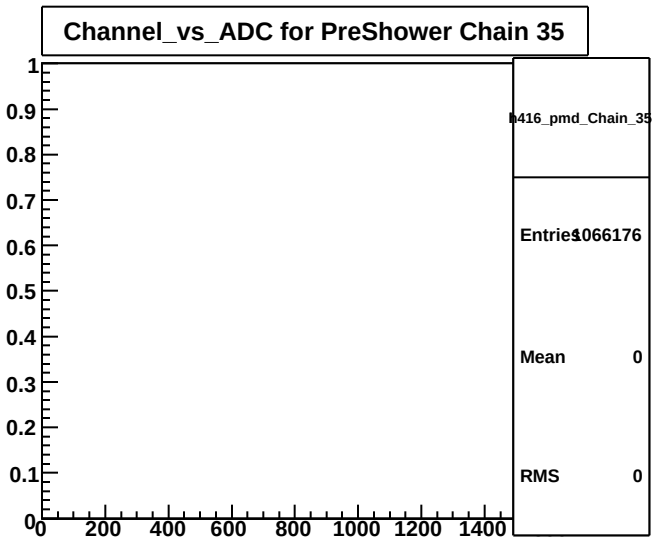

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 1066176
Mean 0
RMS 0

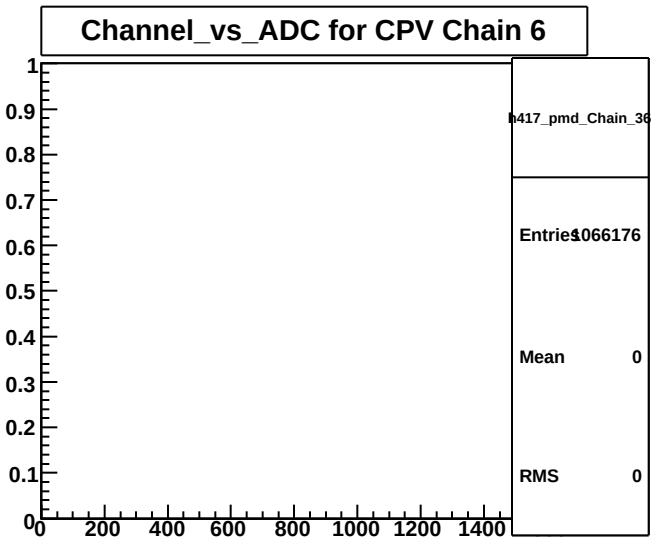

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 1066176
Mean 0
RMS 0

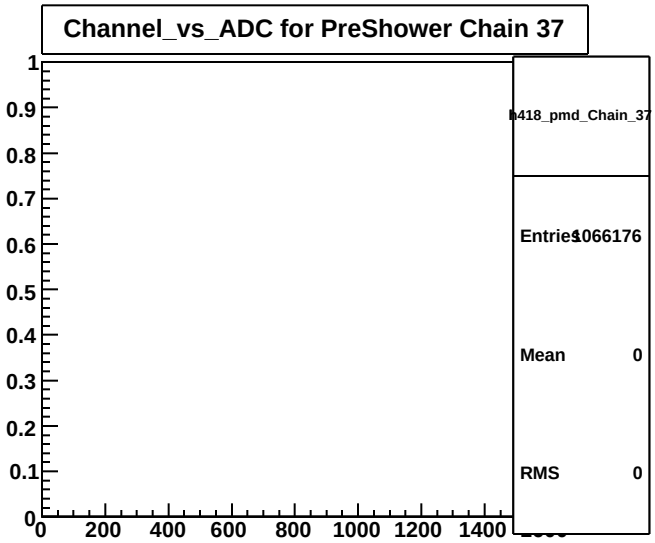

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 1066176
Mean 0
RMS 0

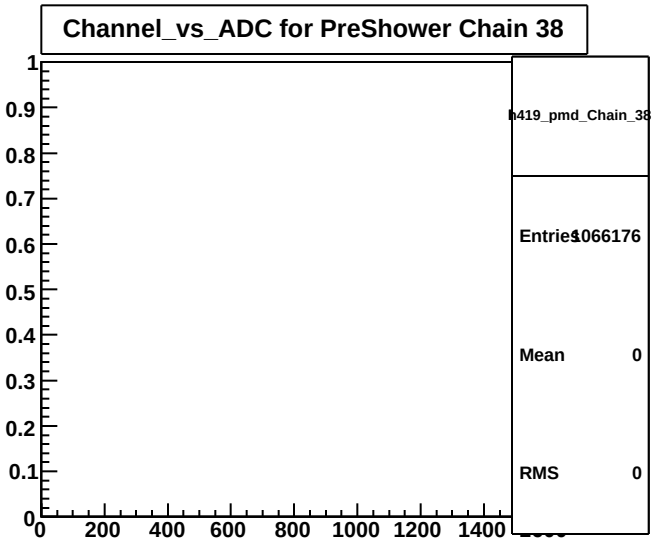

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 1066176
Mean 0
RMS 0

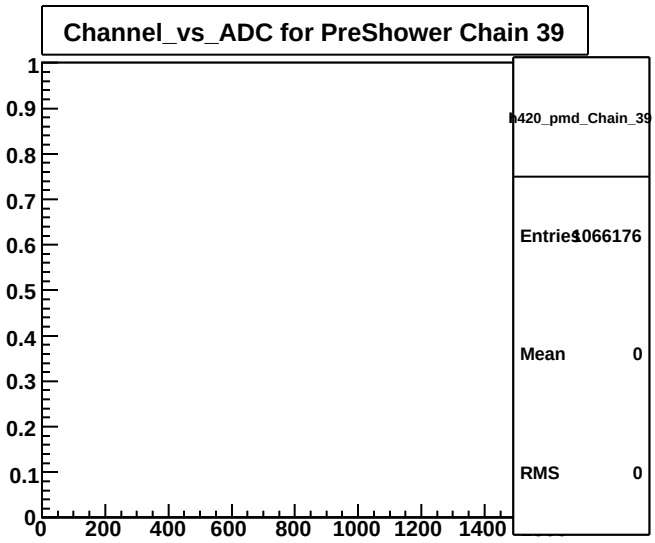

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 1066176
Mean 0
RMS 0

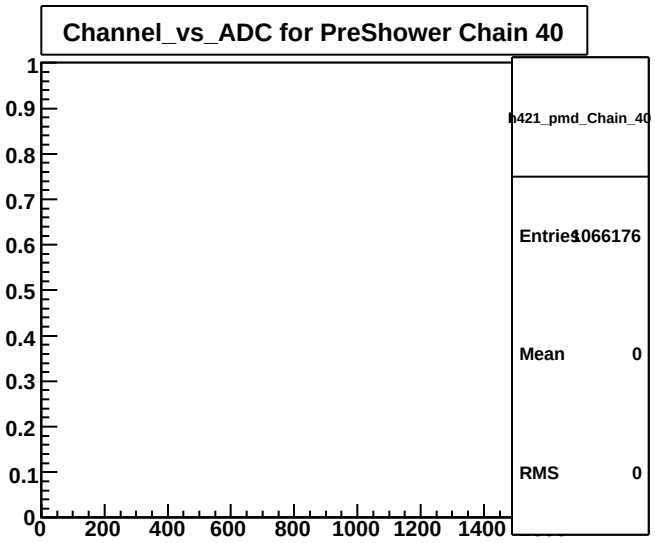

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 1066176
Mean 0
RMS 0

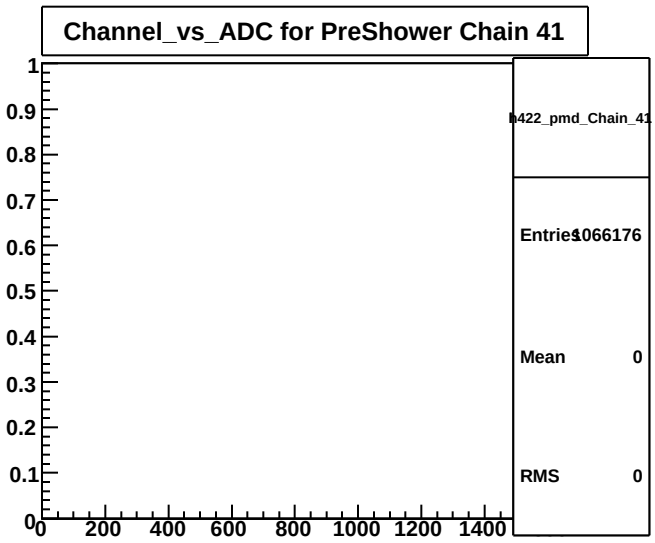

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 1066176
Mean 0
RMS 0

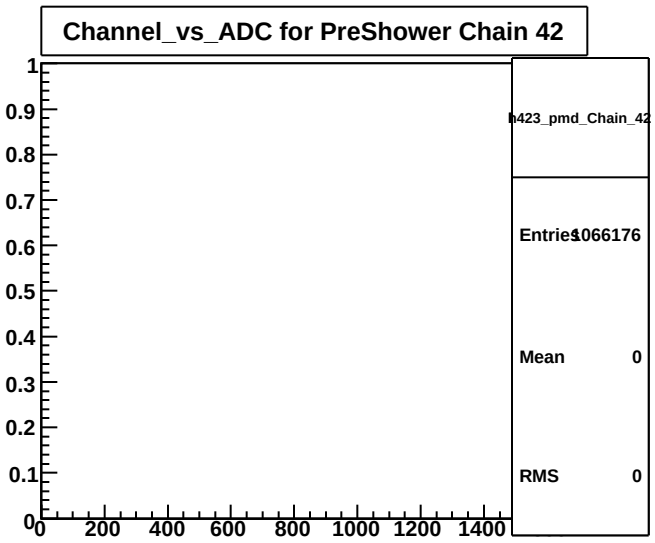

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 1066176
Mean 0
RMS 0

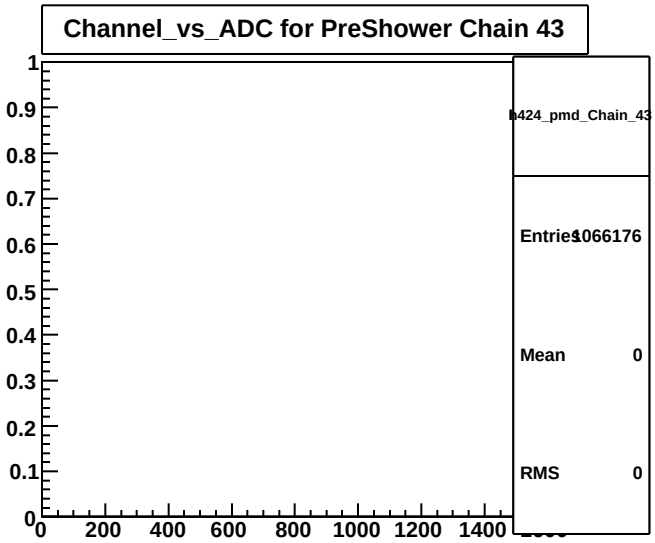

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 1066176
Mean 0
RMS 0

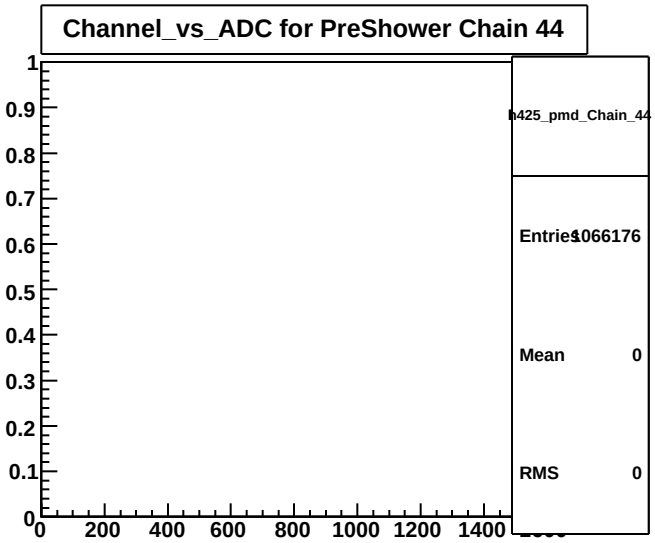

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 1066176
Mean 0
RMS 0

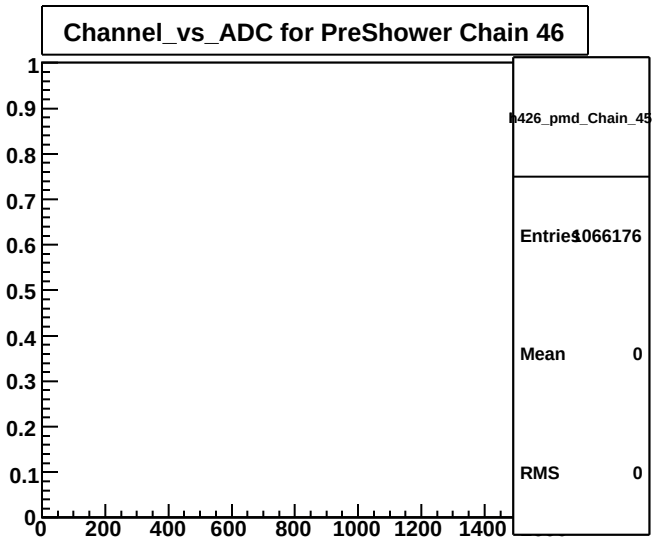

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 1066176
Mean 0
RMS 0

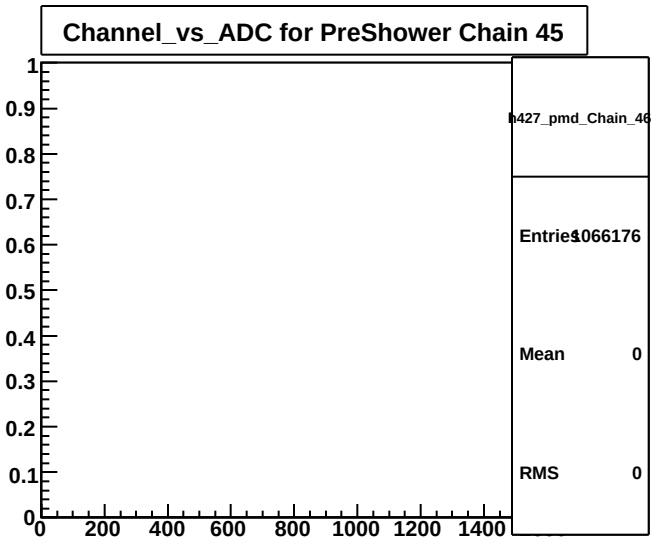

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 1066176
Mean 0
RMS 0

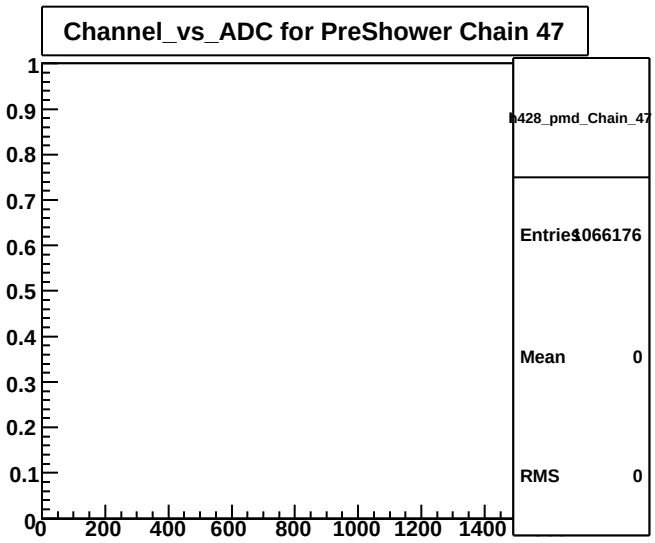

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 1066176
Mean 0
RMS 0

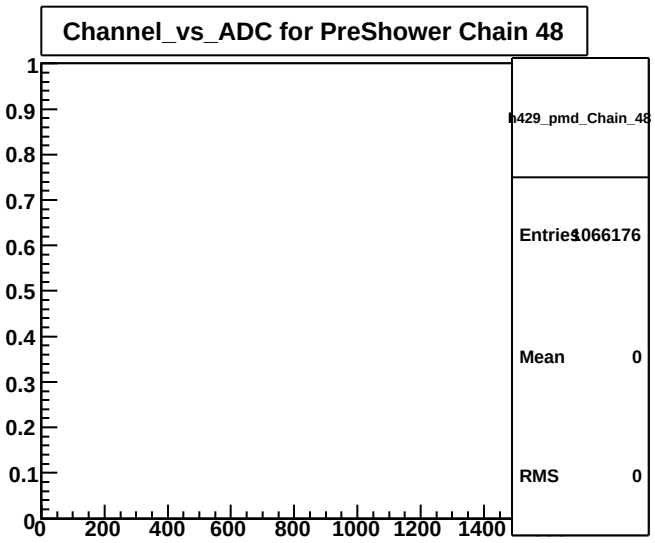

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 1066176
Mean 0
RMS 0

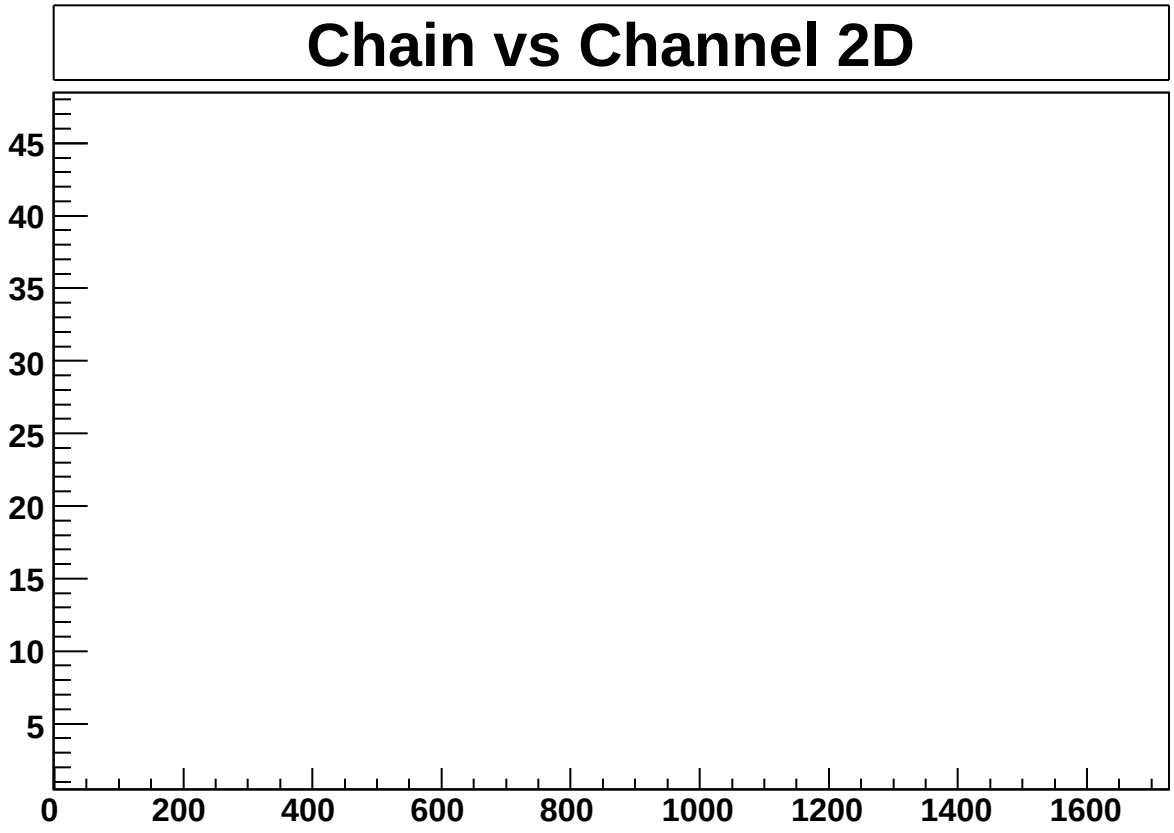

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 1066176
Mean 0
RMS 0

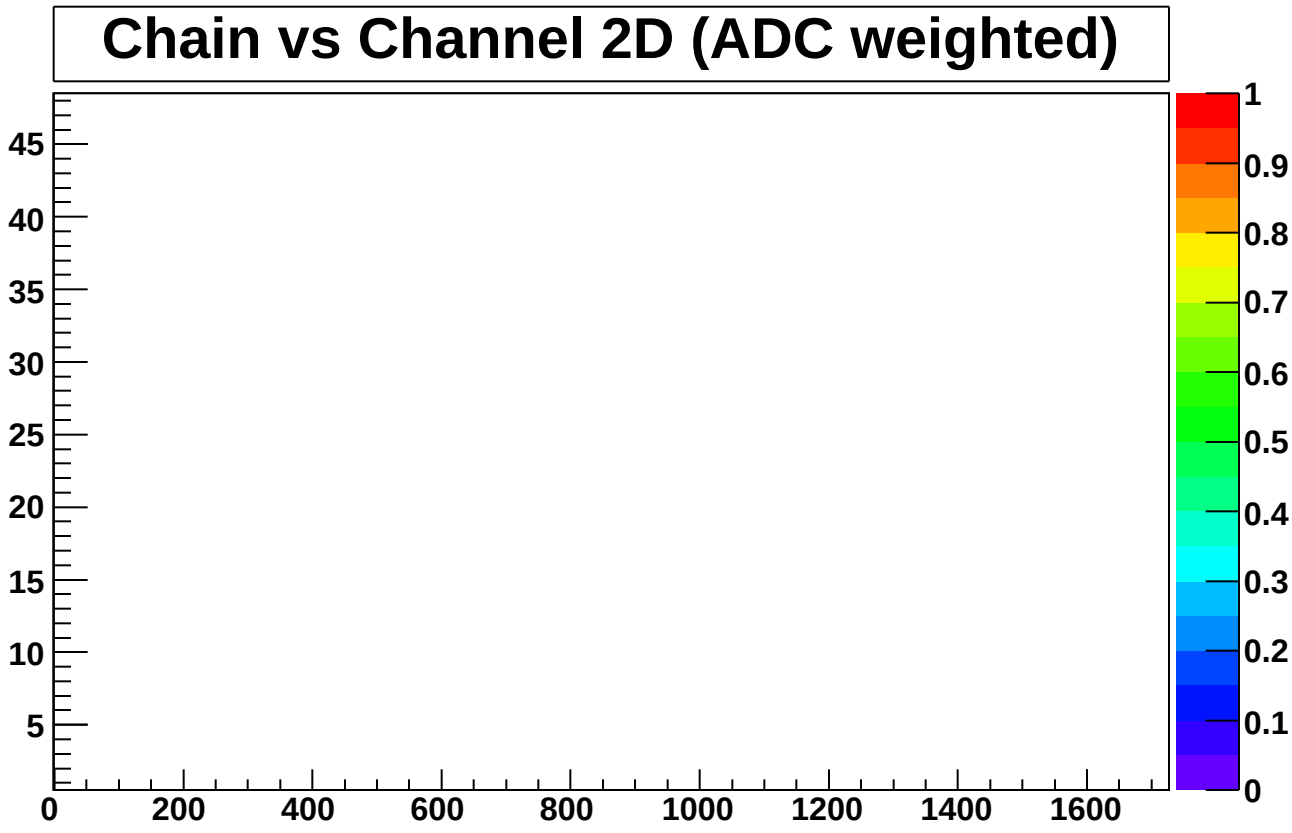

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 1066176
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 1066176
Mean 0
RMS 0

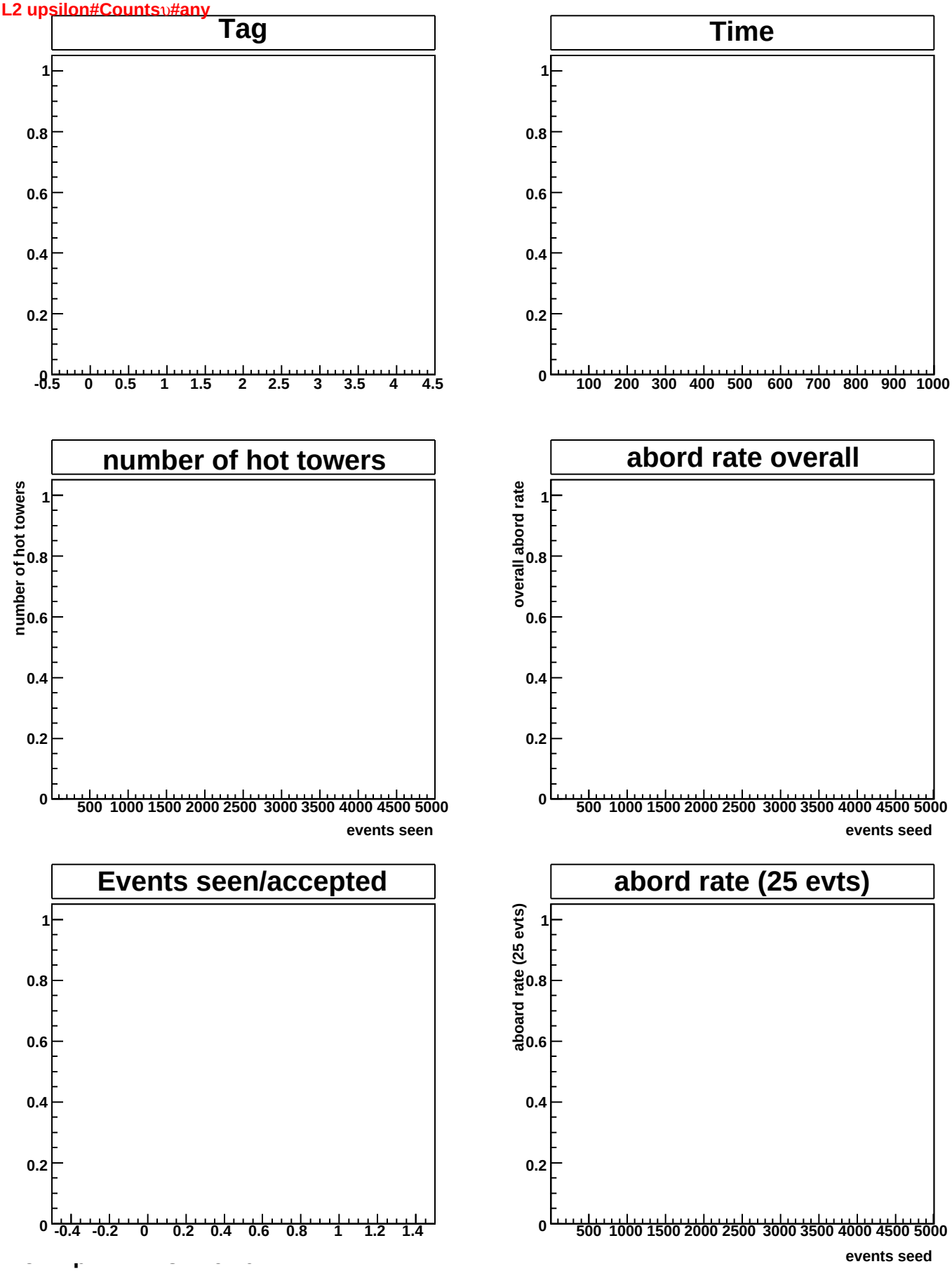

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 1066176
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 1066176
Mean 0
RMS 0

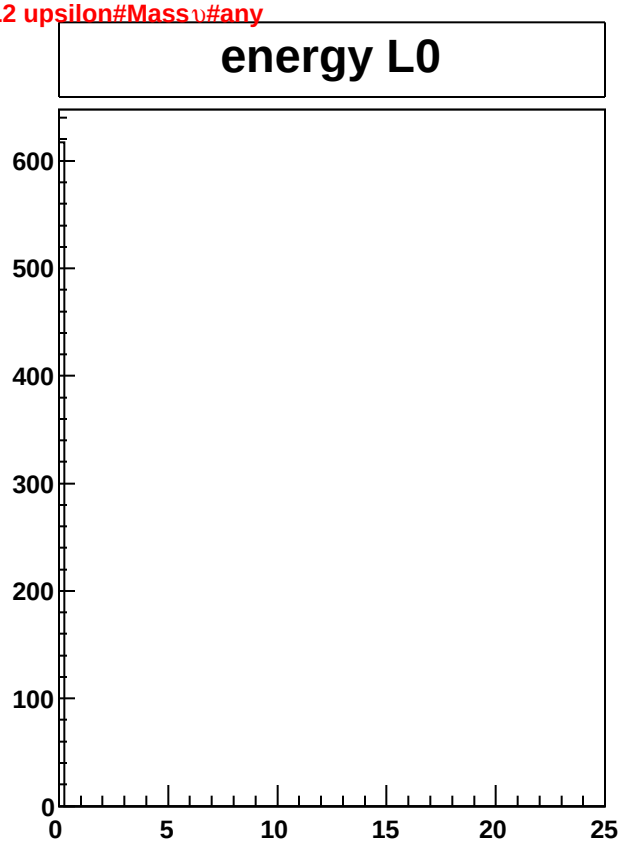

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

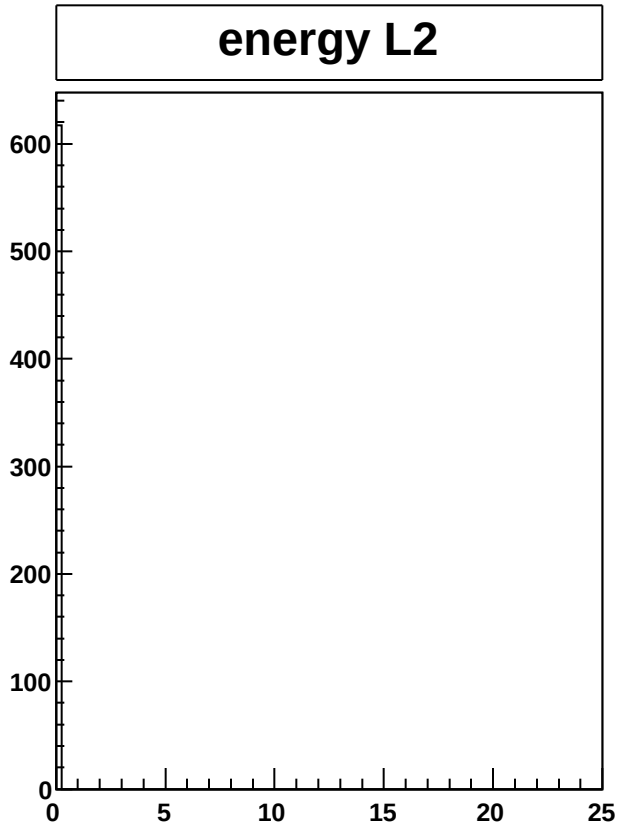

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

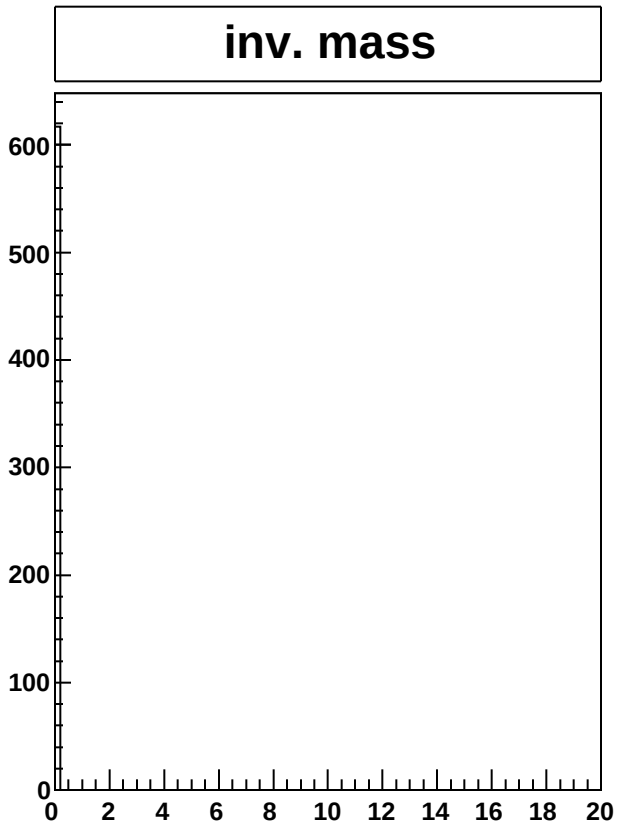
L2 upsilon#Countsυ#any

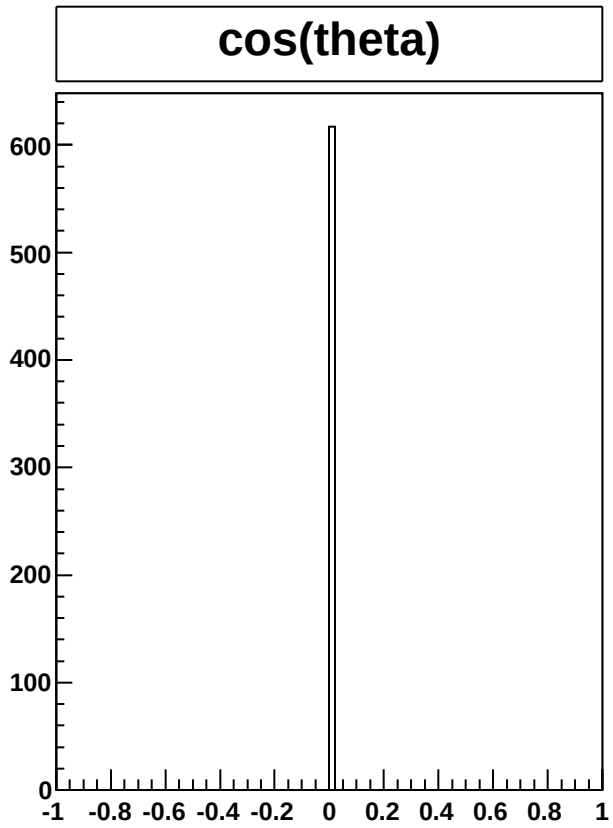


L2 upsilon#Massυ#any

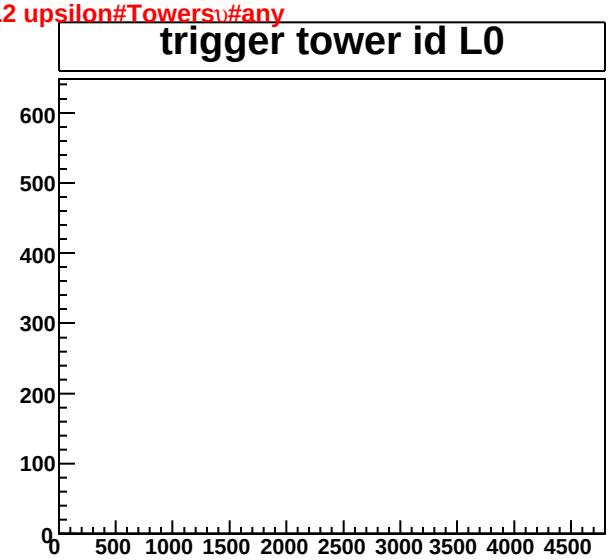


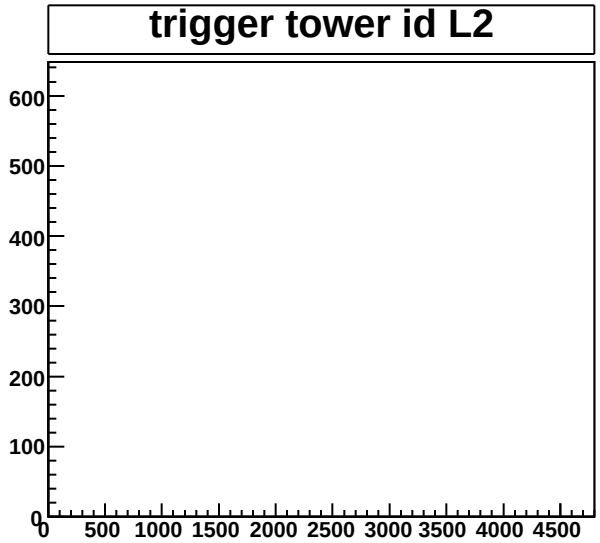



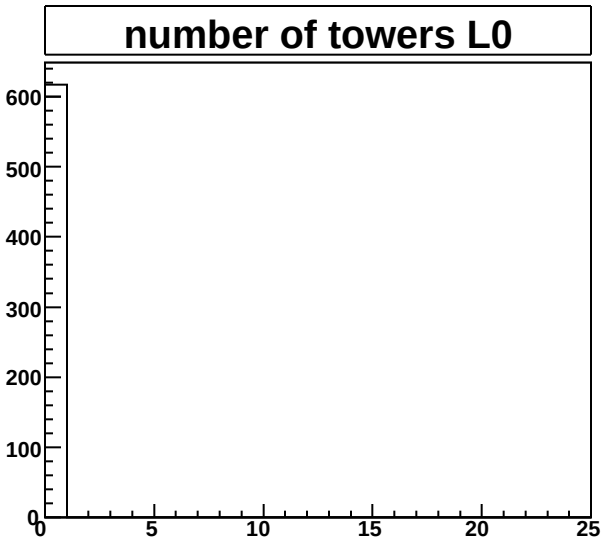



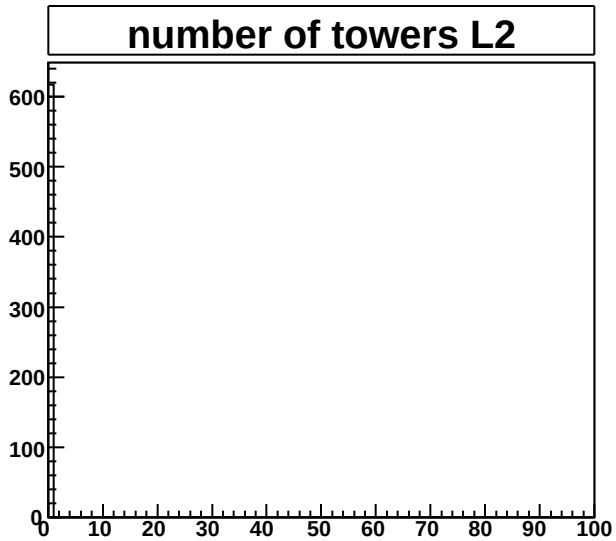



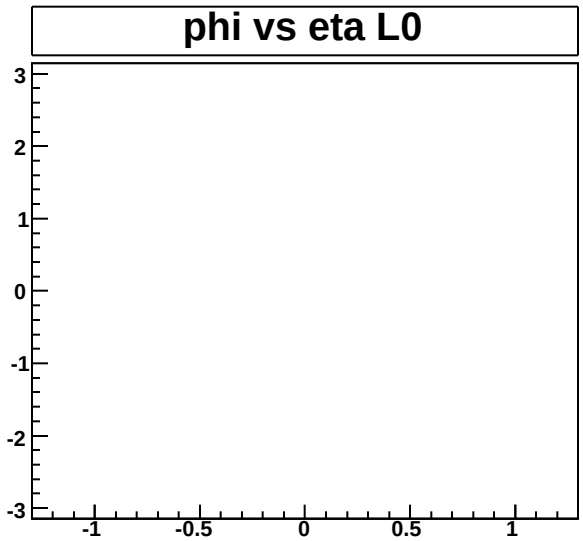
L2 upsilon#Towersυ#any

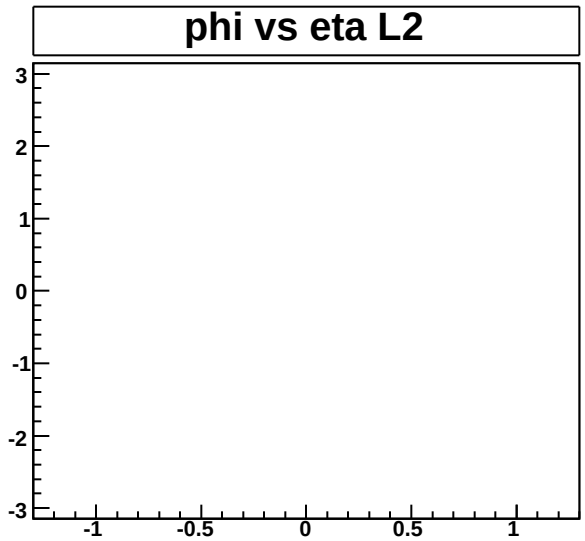


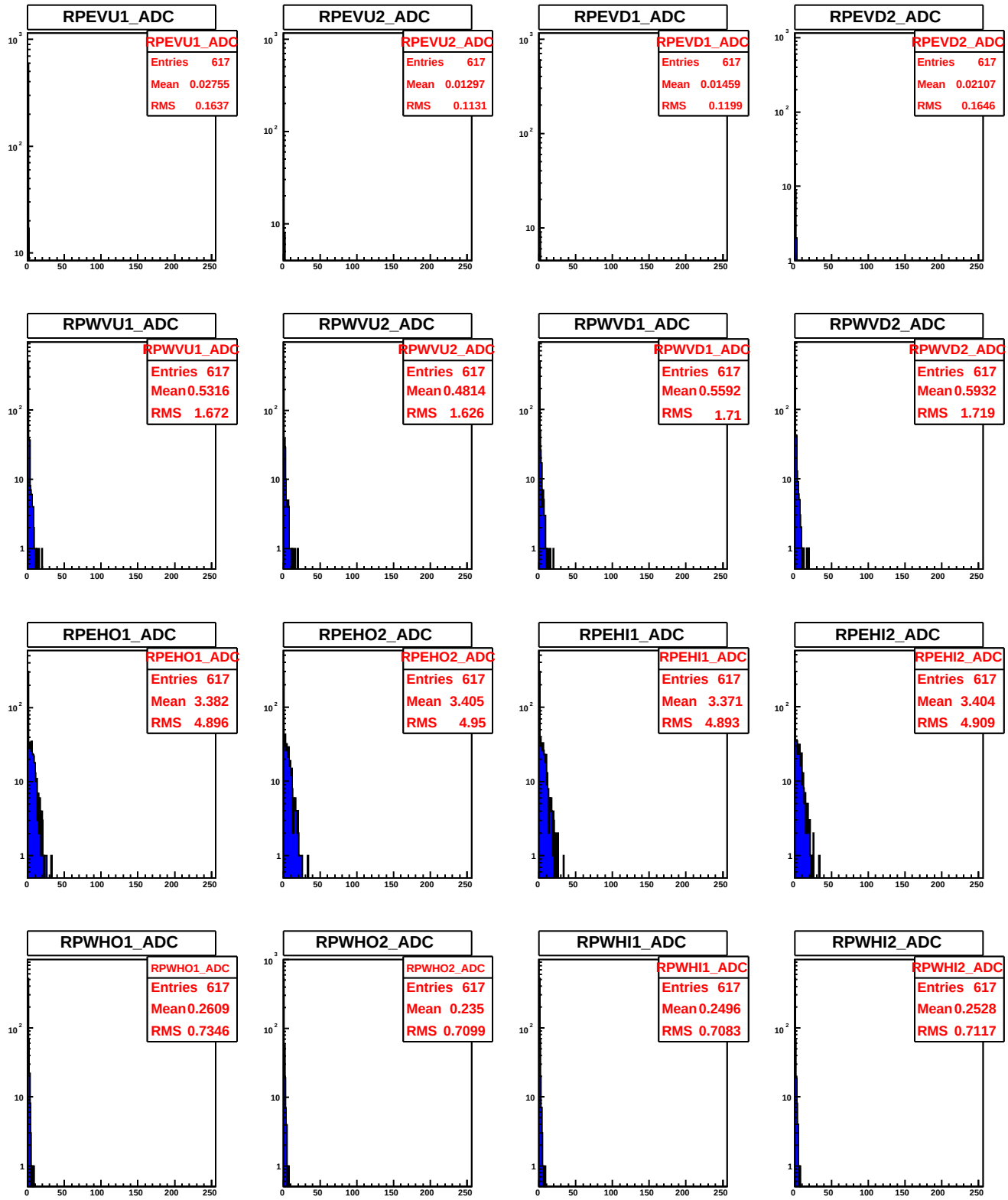



P2P#Trg1-16#any#trg

# Run: #12101059

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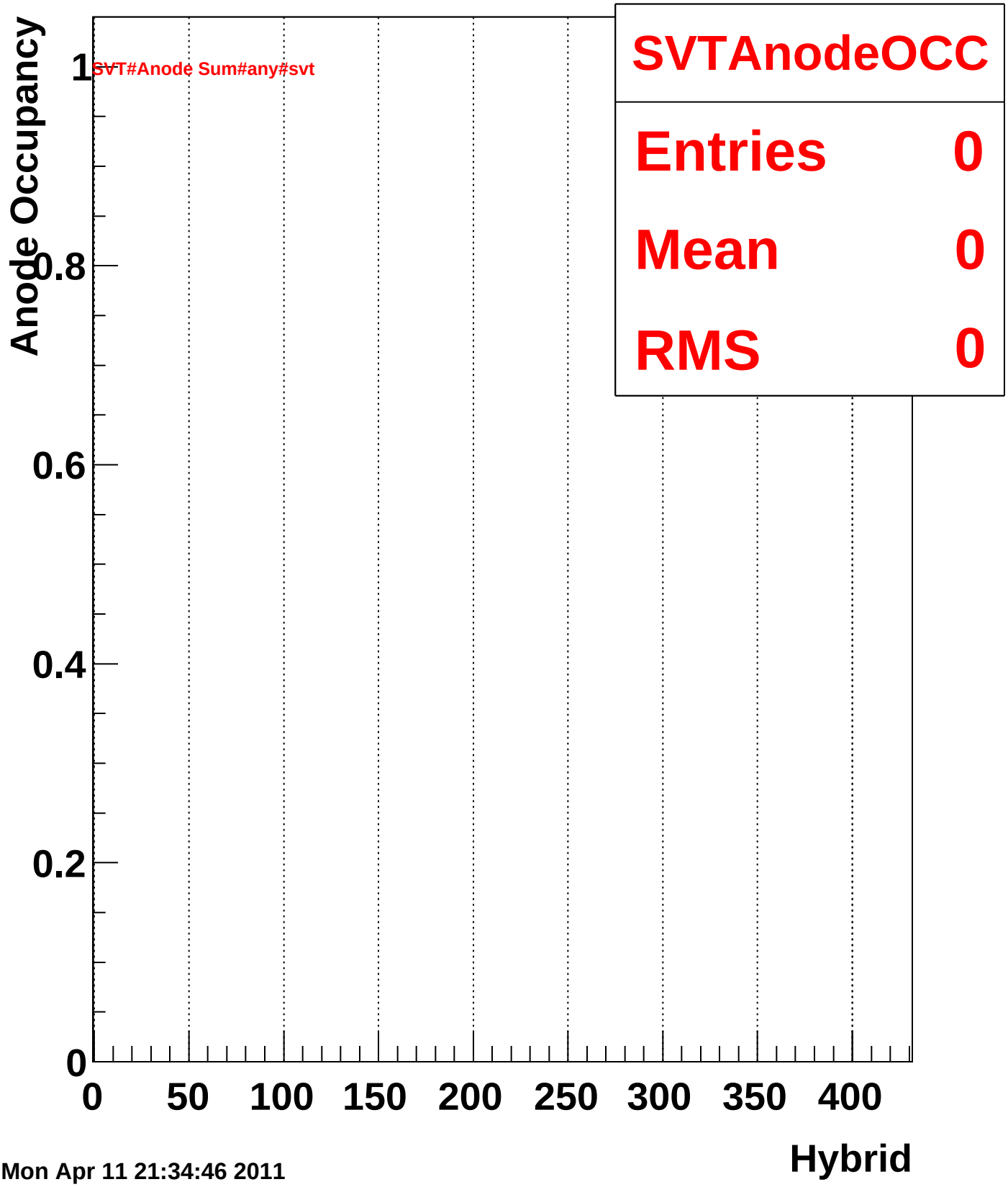
P2P#Trg17-32#any#trg

# Run: #12101059

Mon Apr 11 21:34:46 2011

# SVTAnodeOCC

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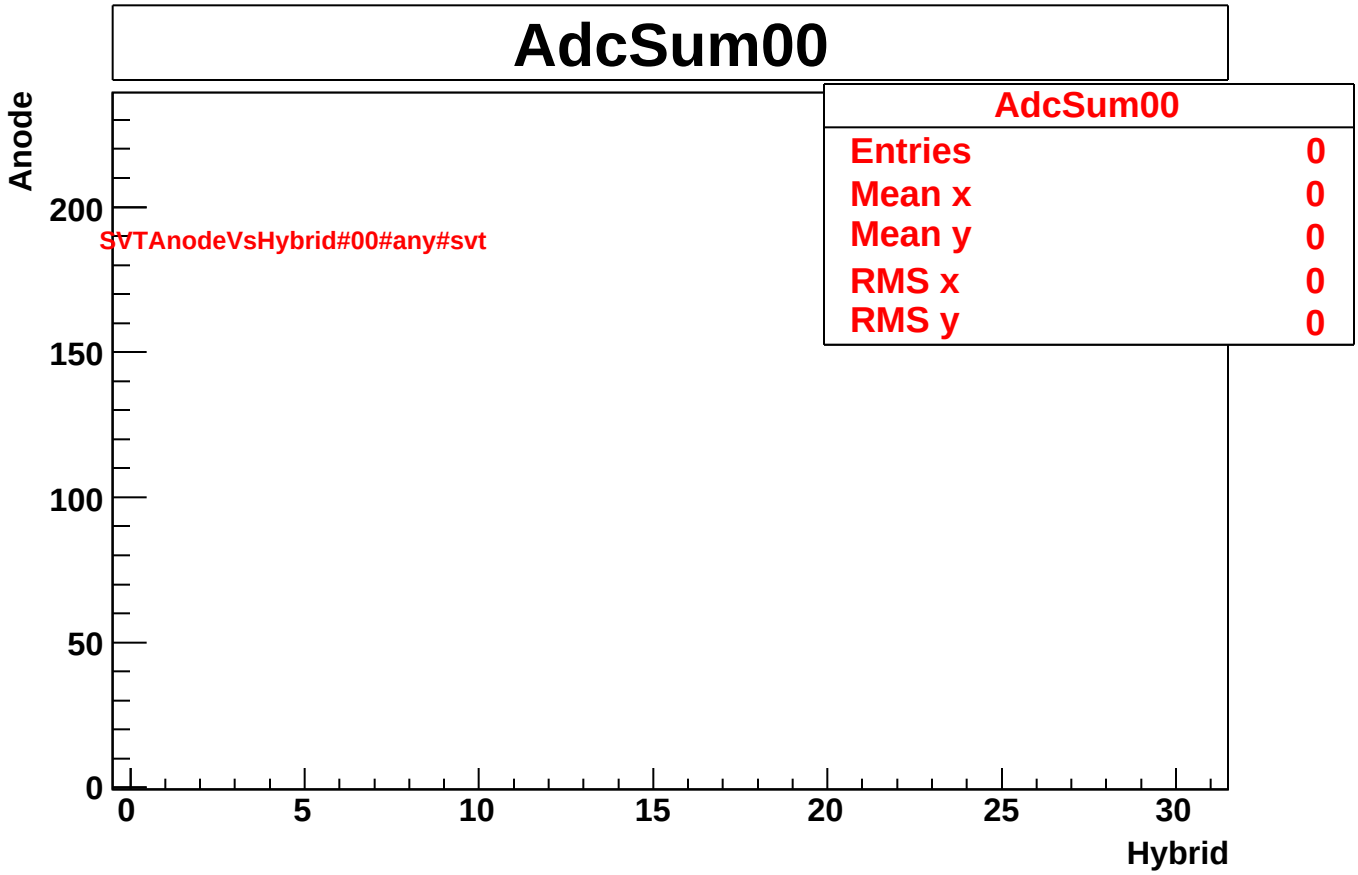
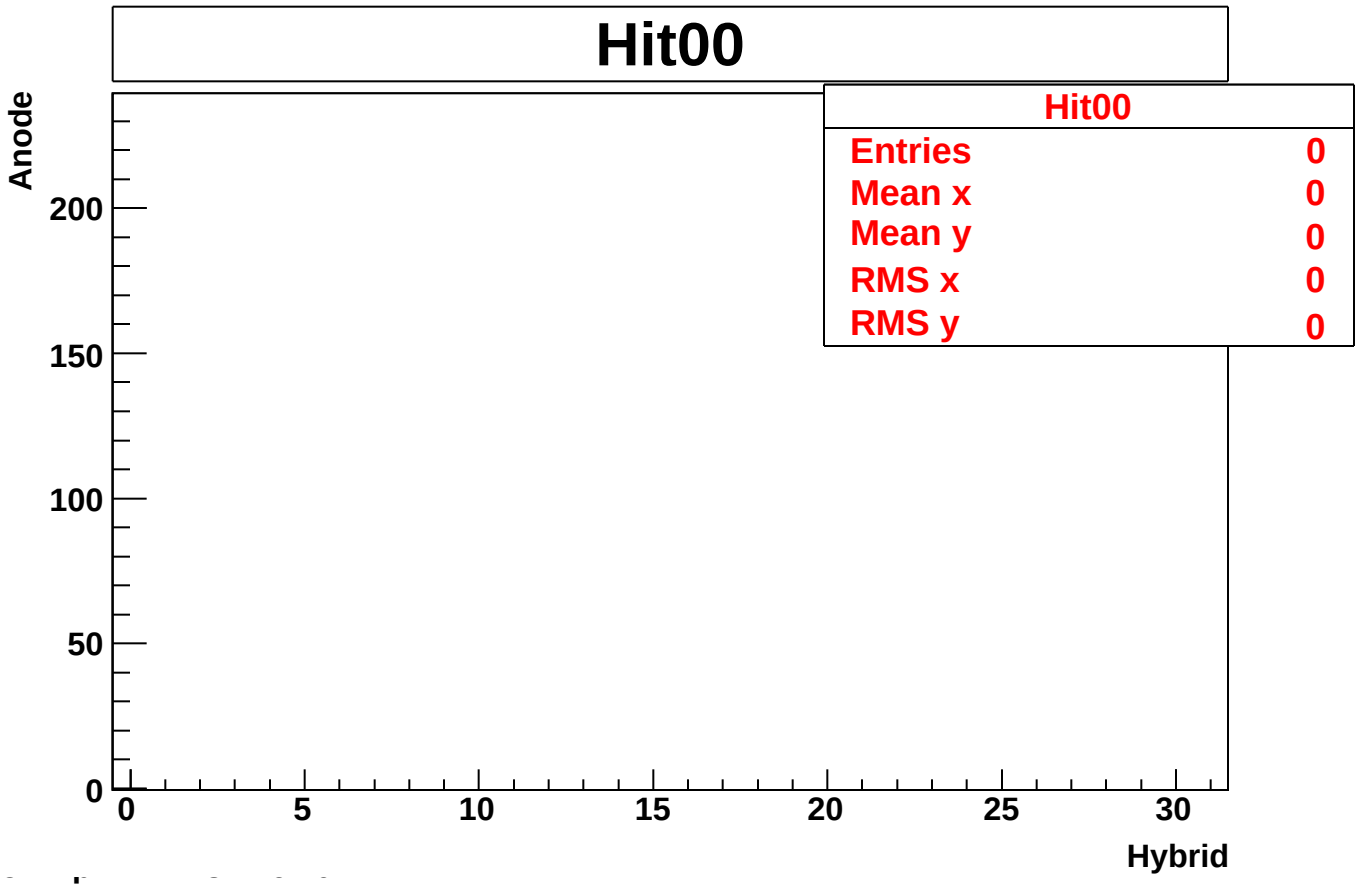
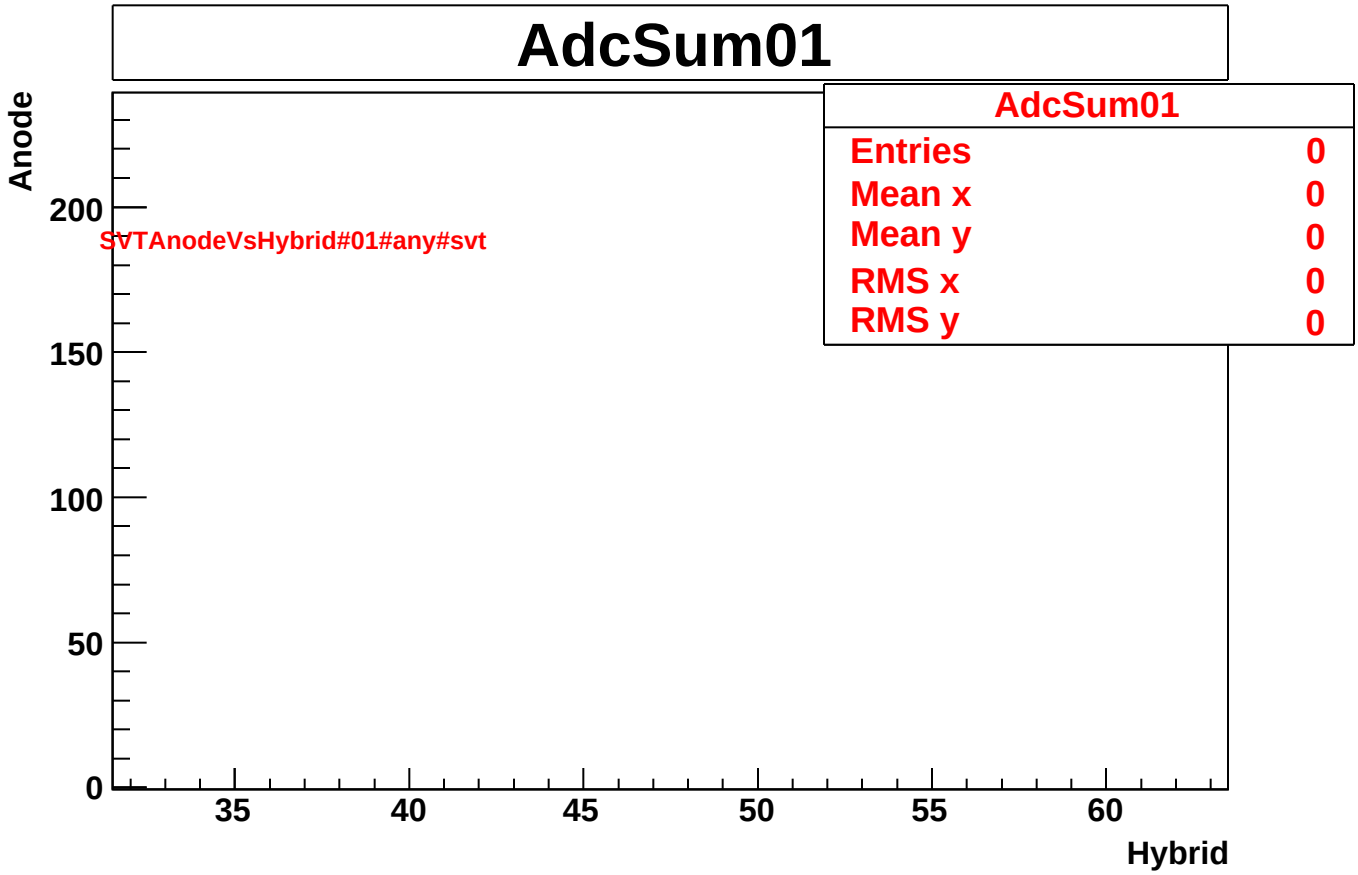
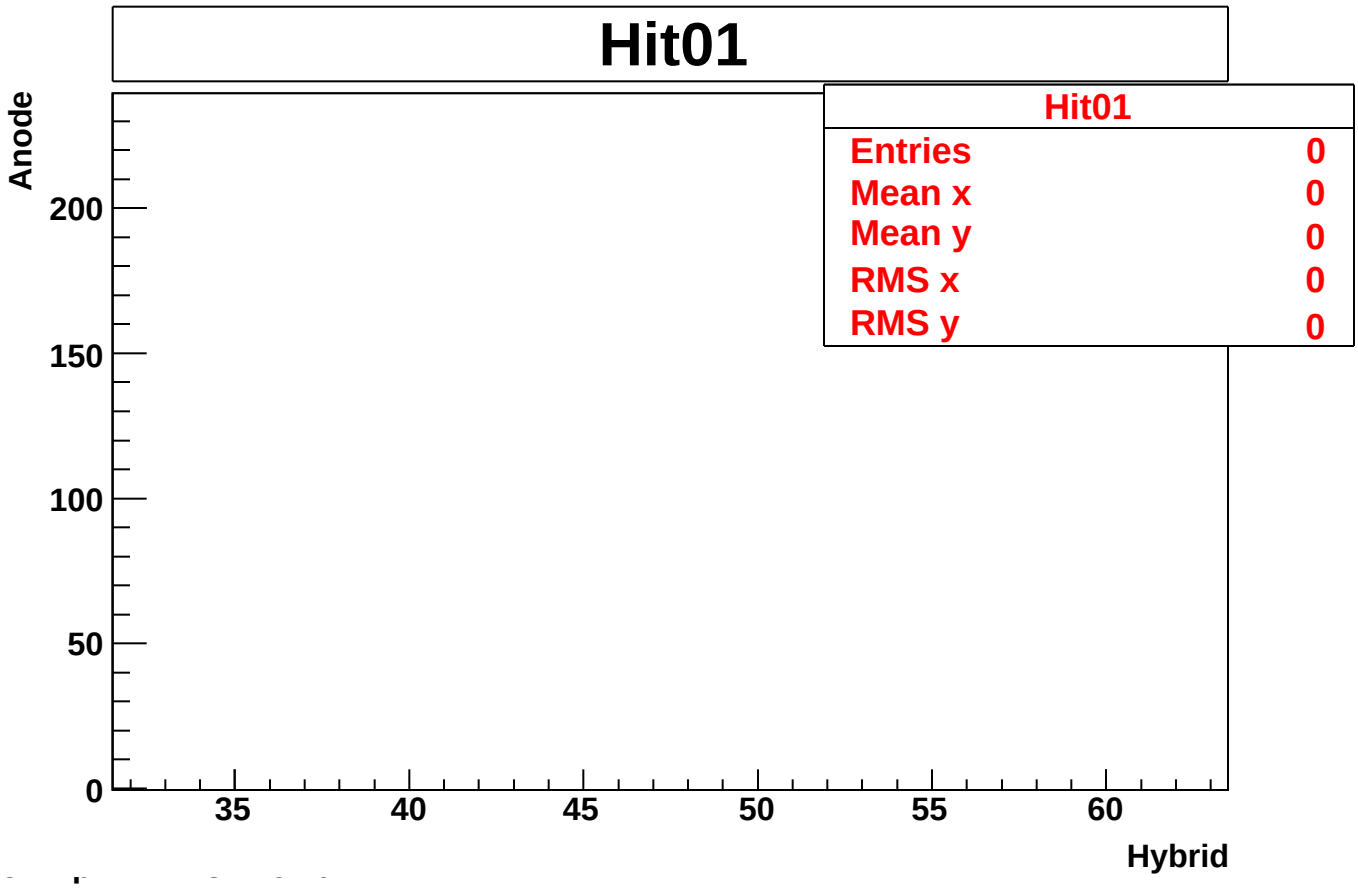
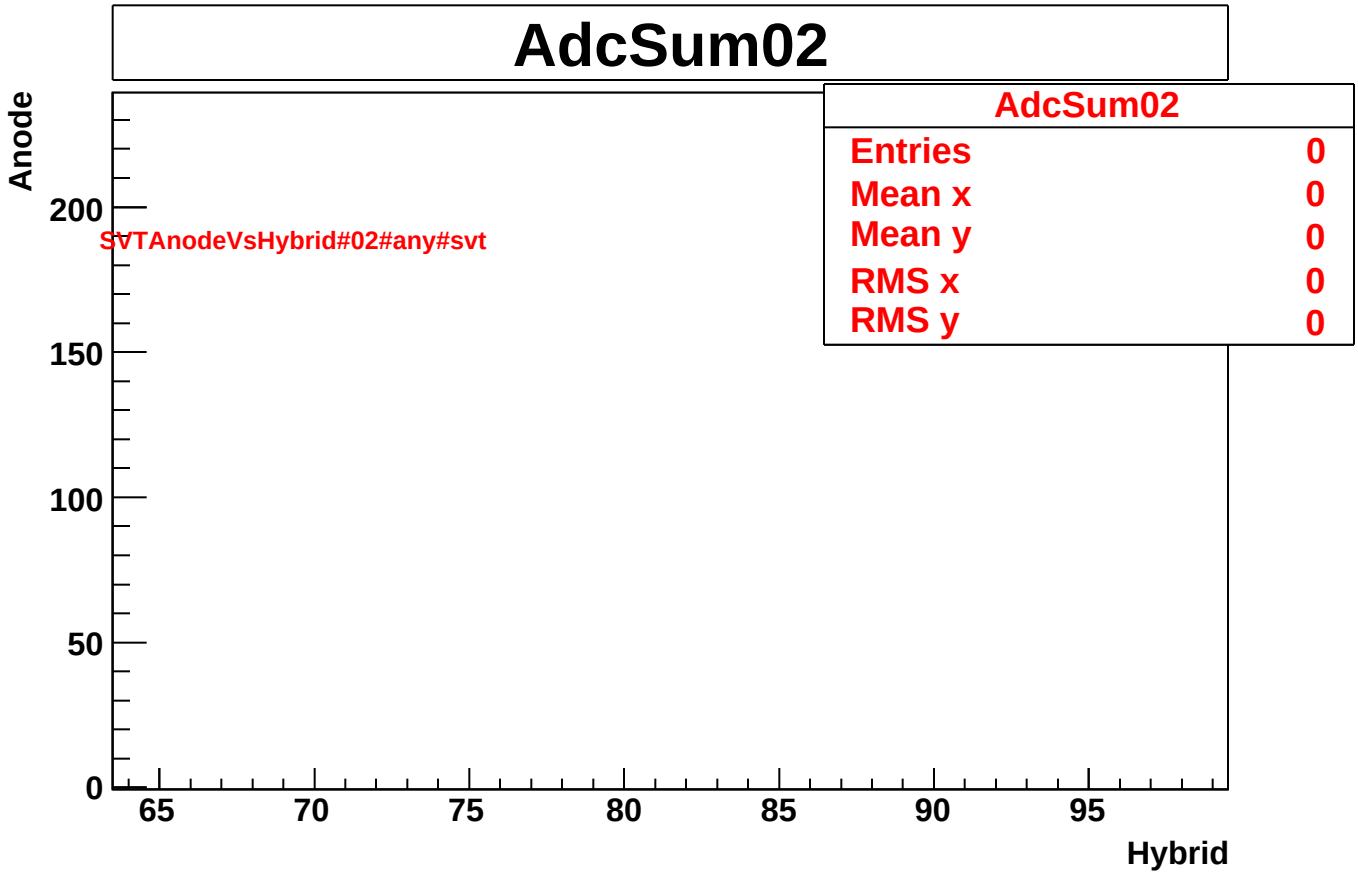
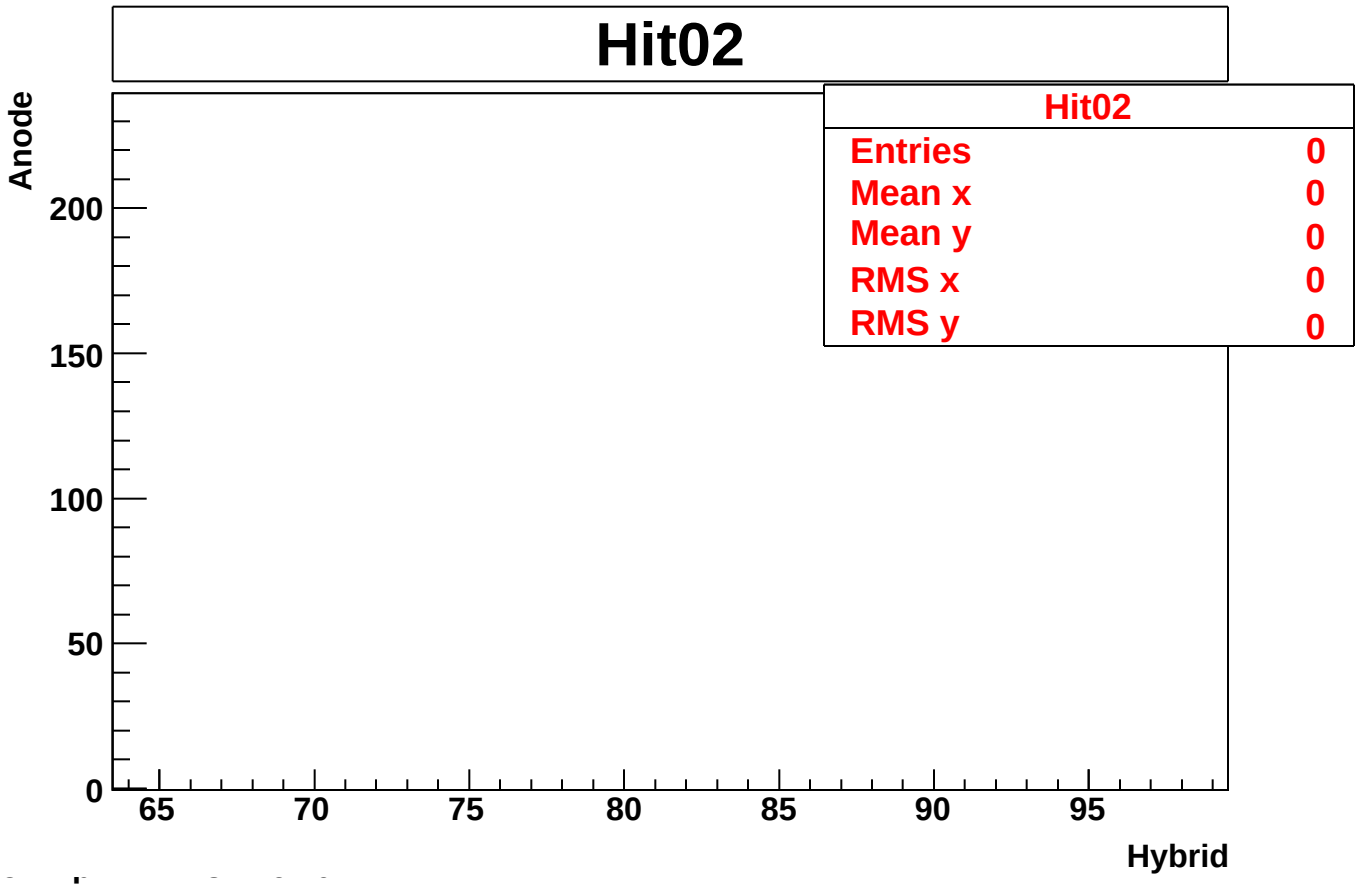

AdcSum00
AdcSum00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#00#any#svt
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

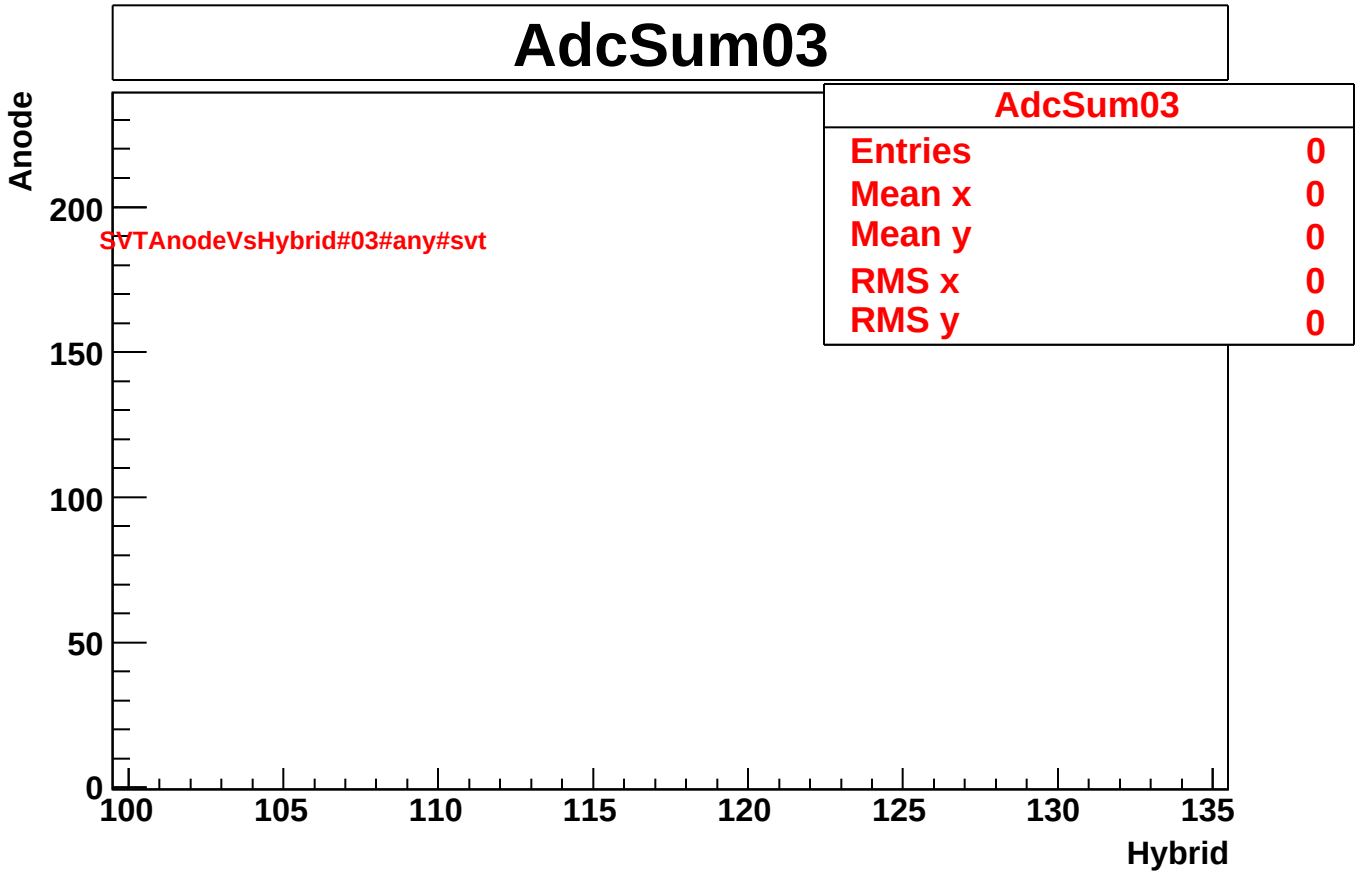

Hit00
Hit00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

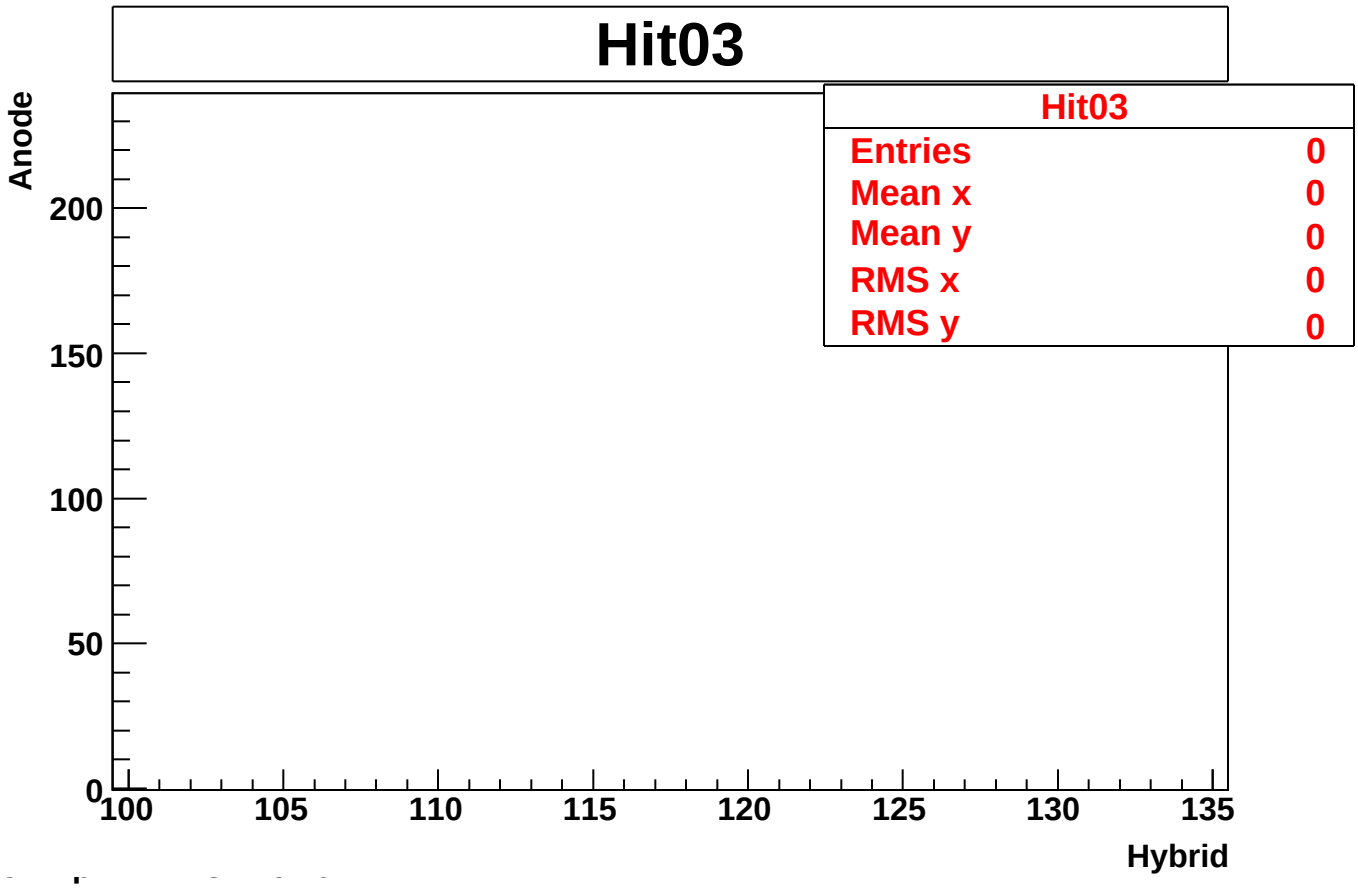

AdcSum01
AdcSum01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#01#any#svt
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

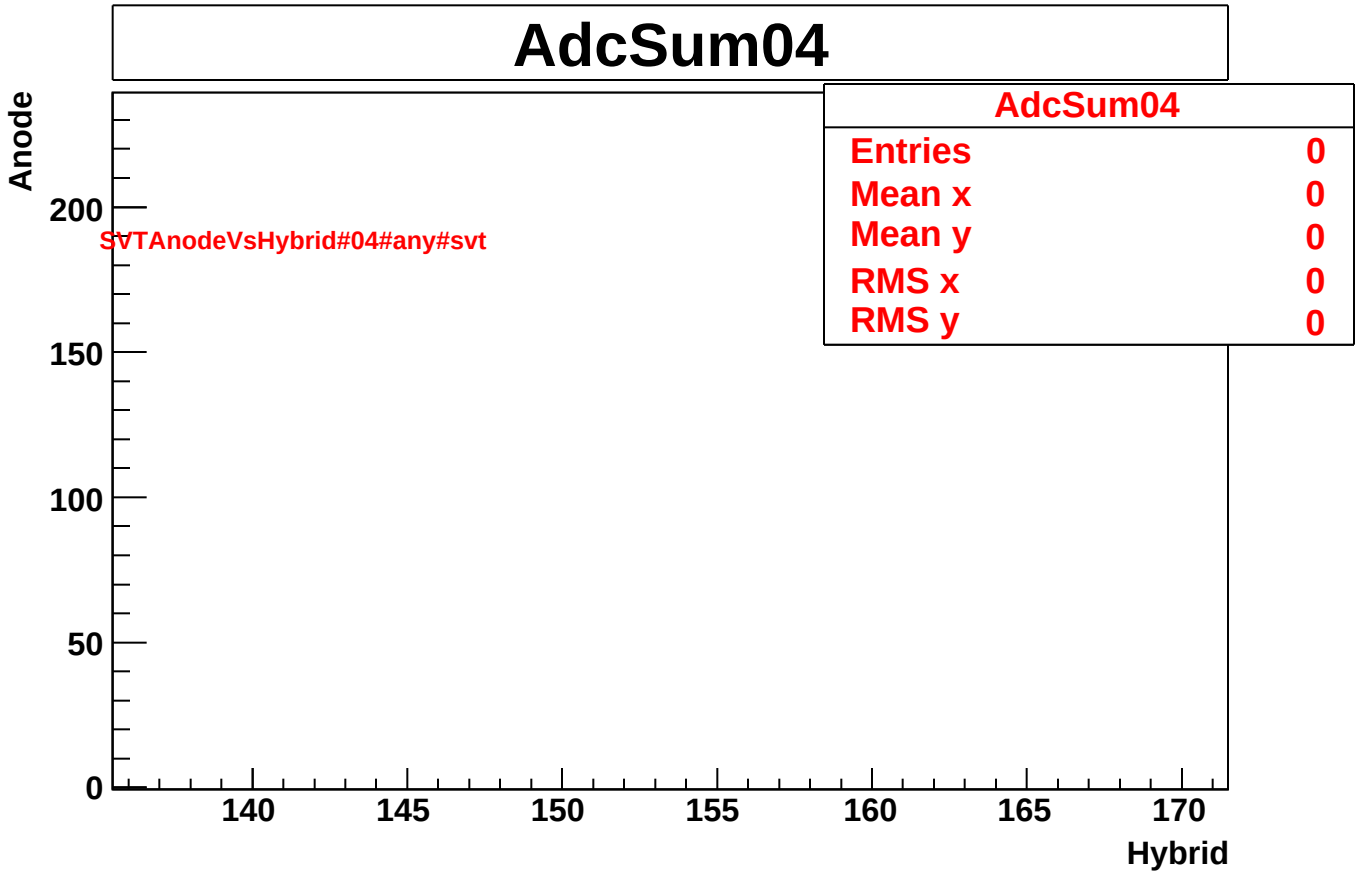

Hit01
Hit01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

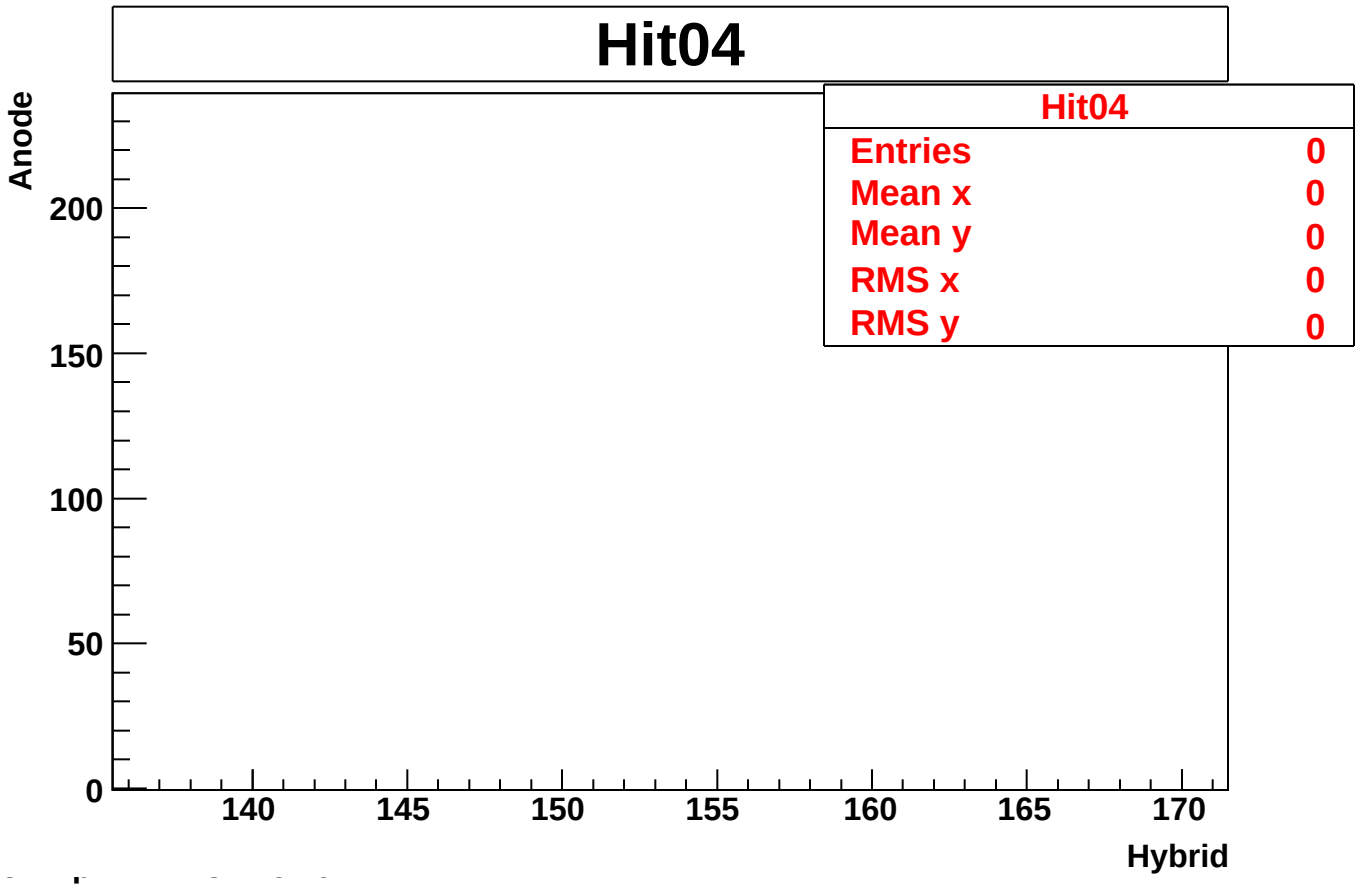

AdcSum02
AdcSum02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#02#any#svt
Anode
200
150
100
50
0
65
70
75
80
85
90
95
Hybrid

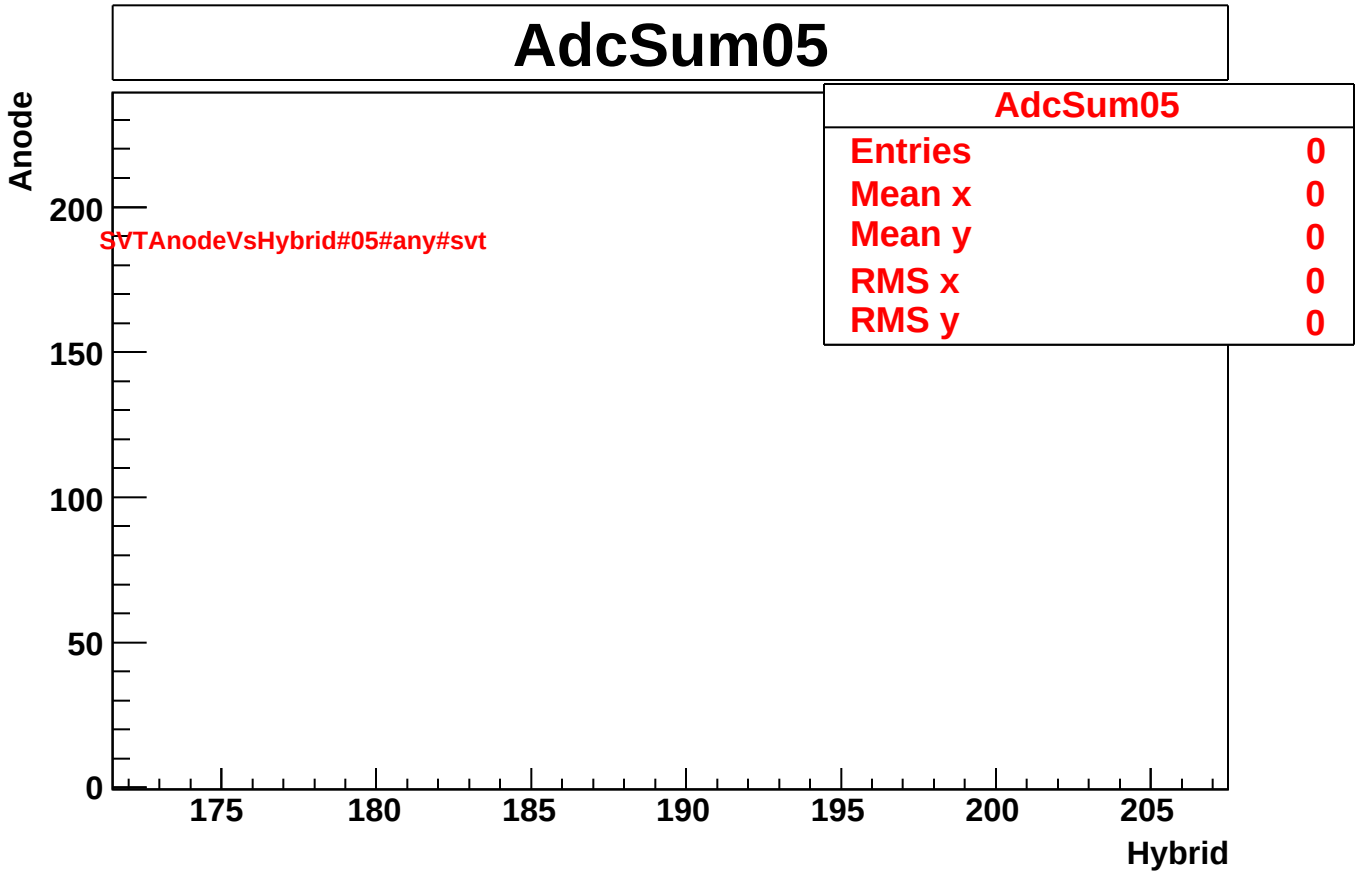

Hit02
Hit02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
65
70
75
80
85
90
95
Hybrid

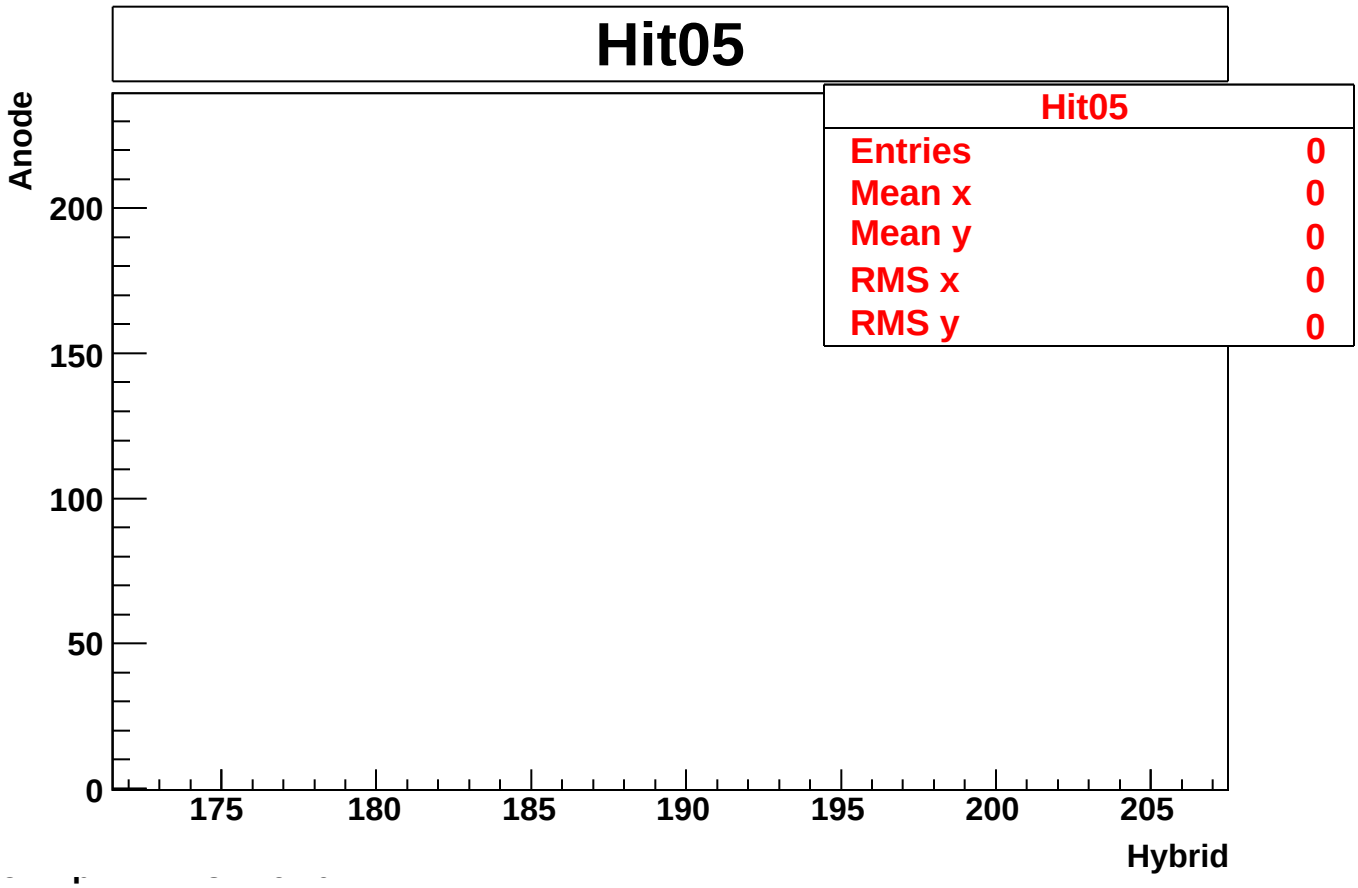

AdcSum03
AdcSum03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#03#any#svt
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

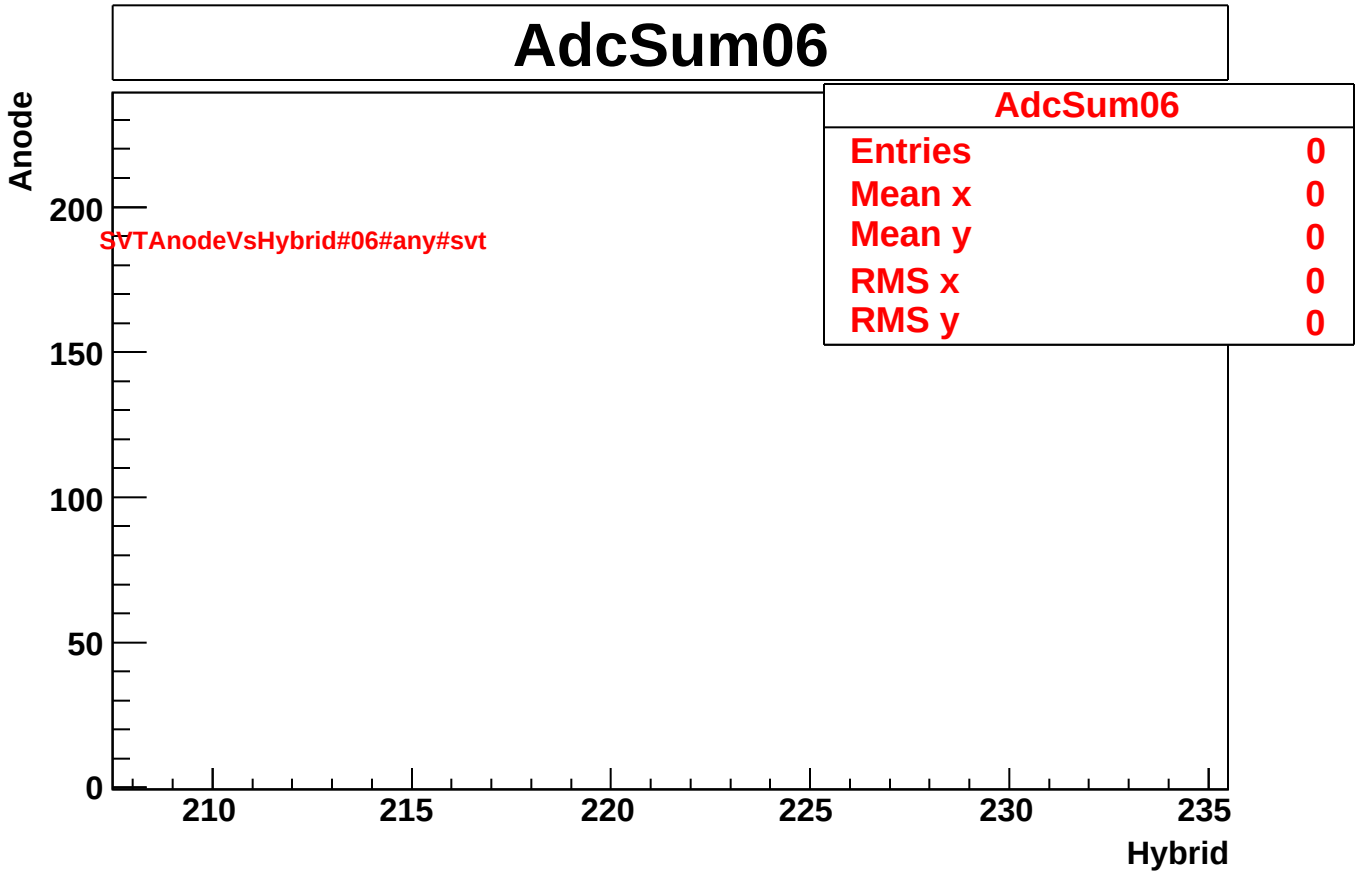

Hit03
Hit03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

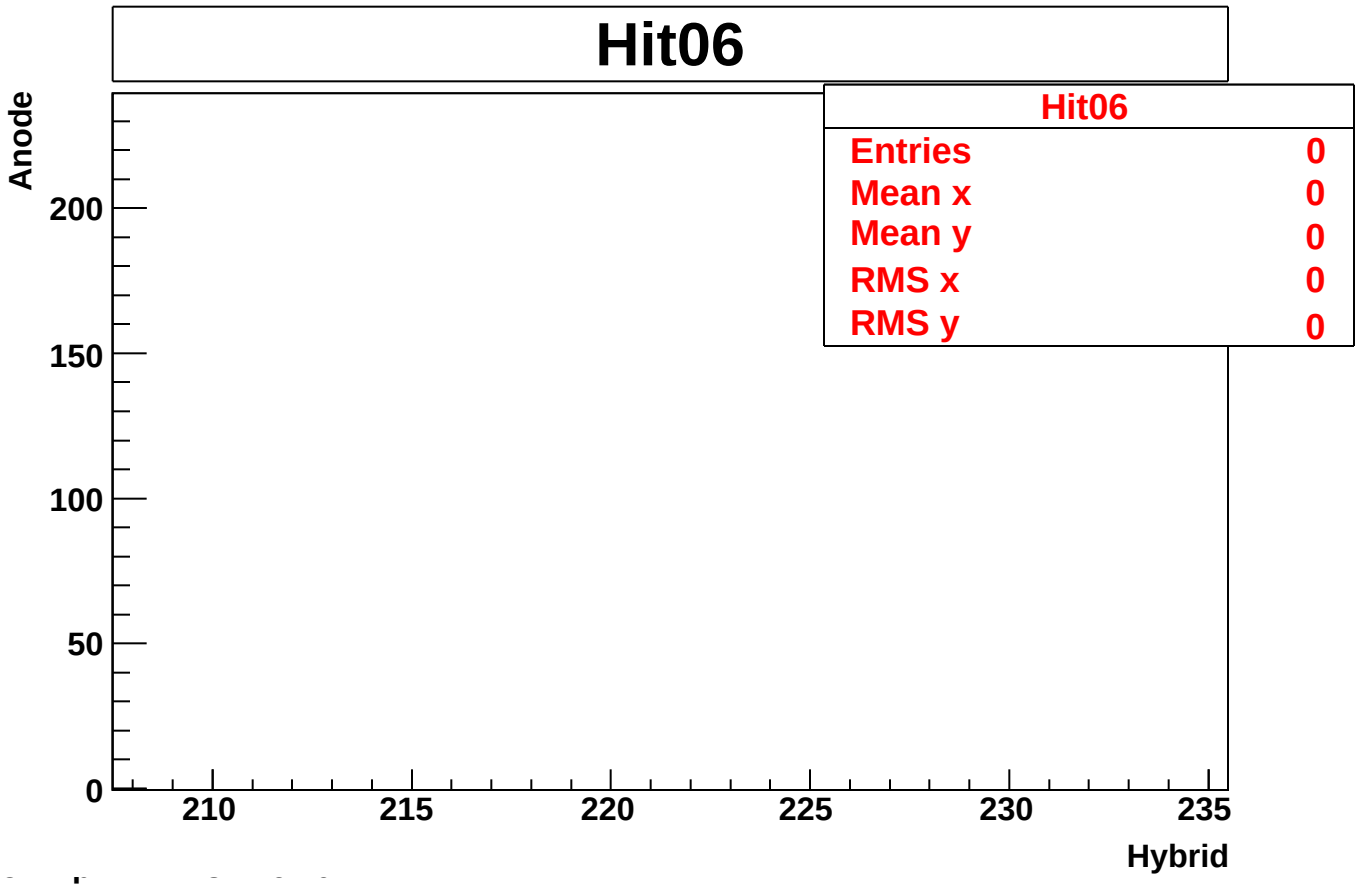

AdcSum04
AdcSum04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#04#any#svt
Anode
0
50
100
150
200
140
145
150
155
160
165
170
Hybrid

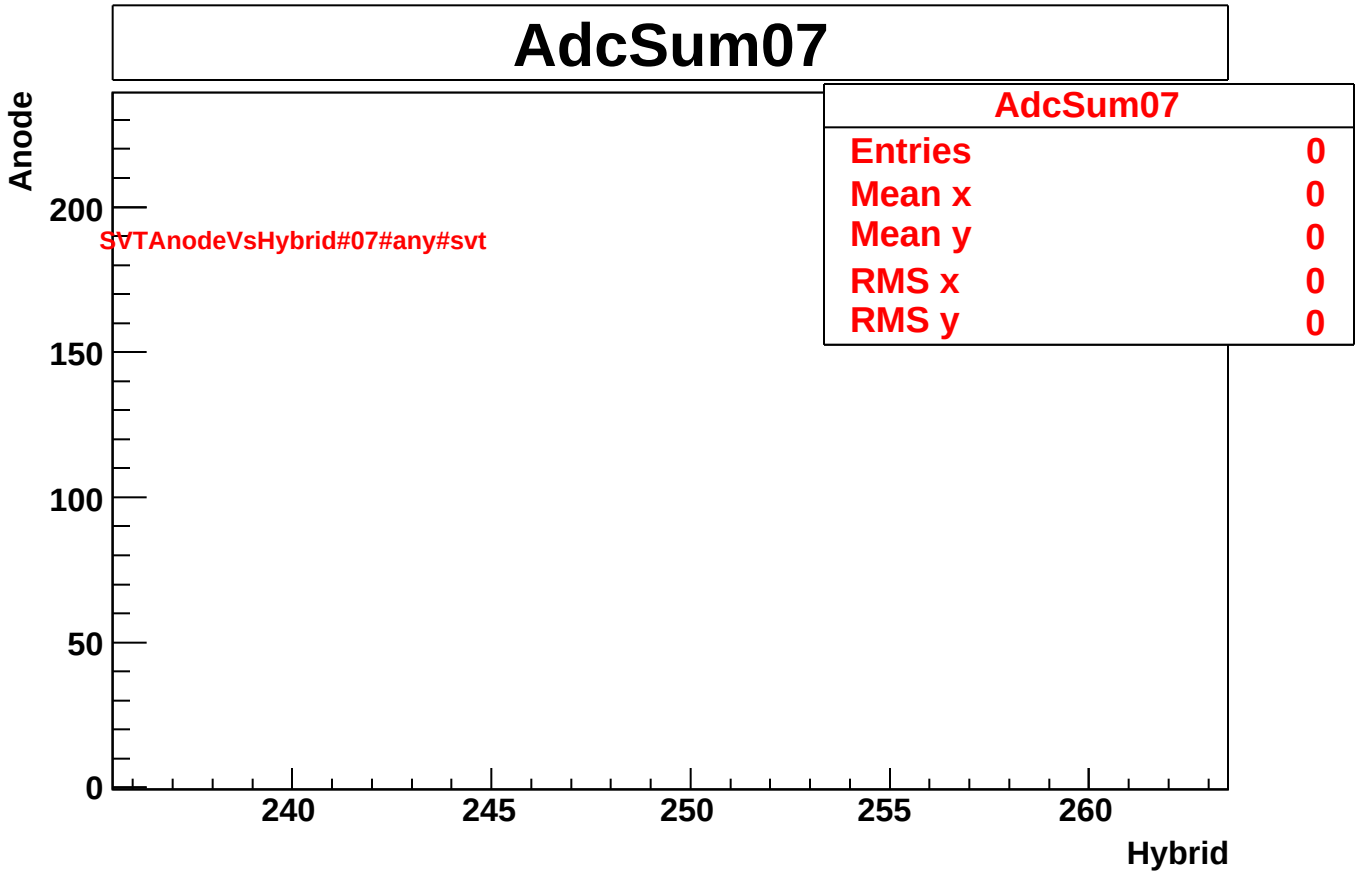

Hit04
Hit04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
140
145
150
155
160
165
170
Hybrid

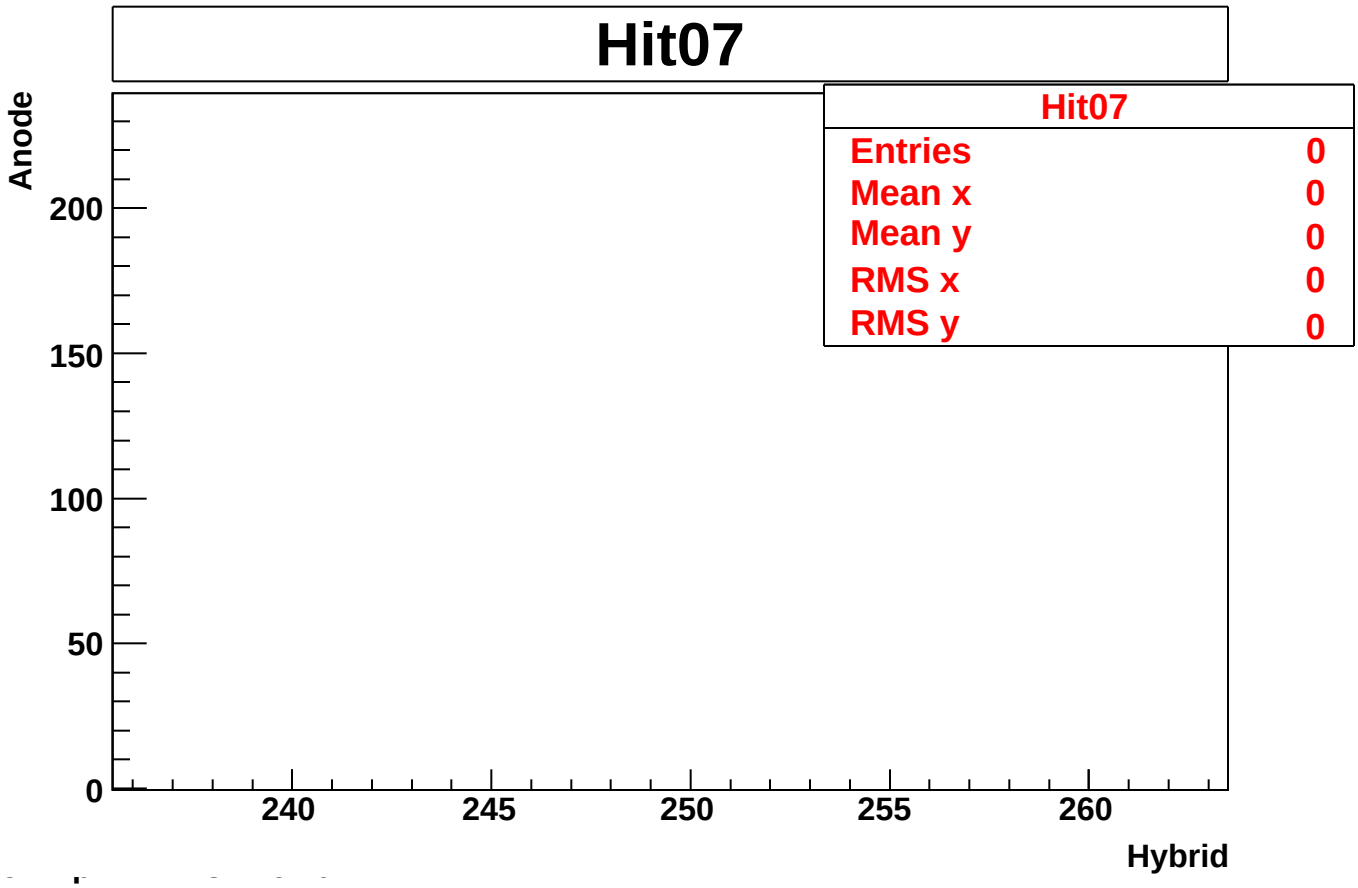

AdcSum05
AdcSum05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#05#any#svt
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

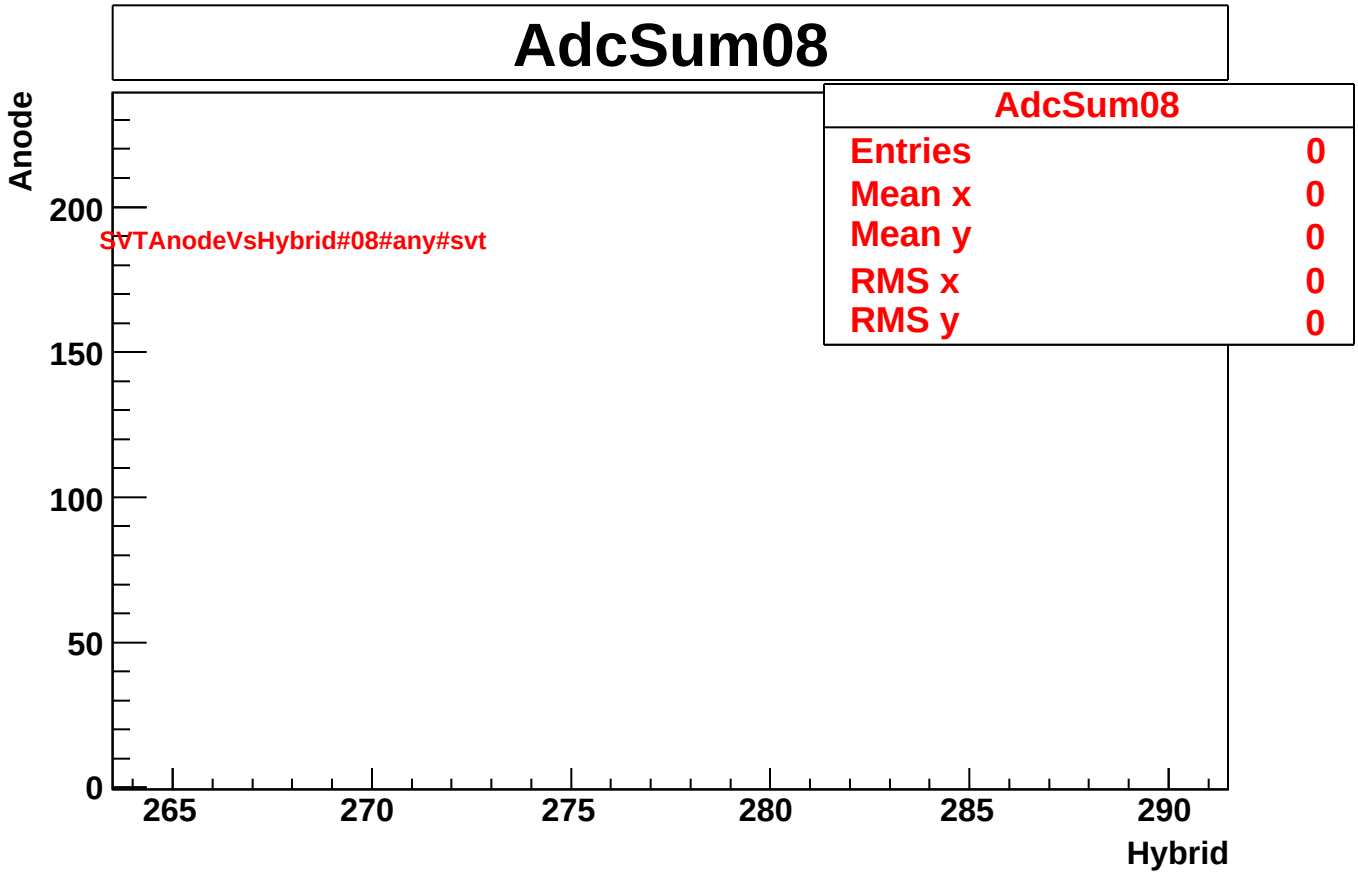

Hit05
Hit05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

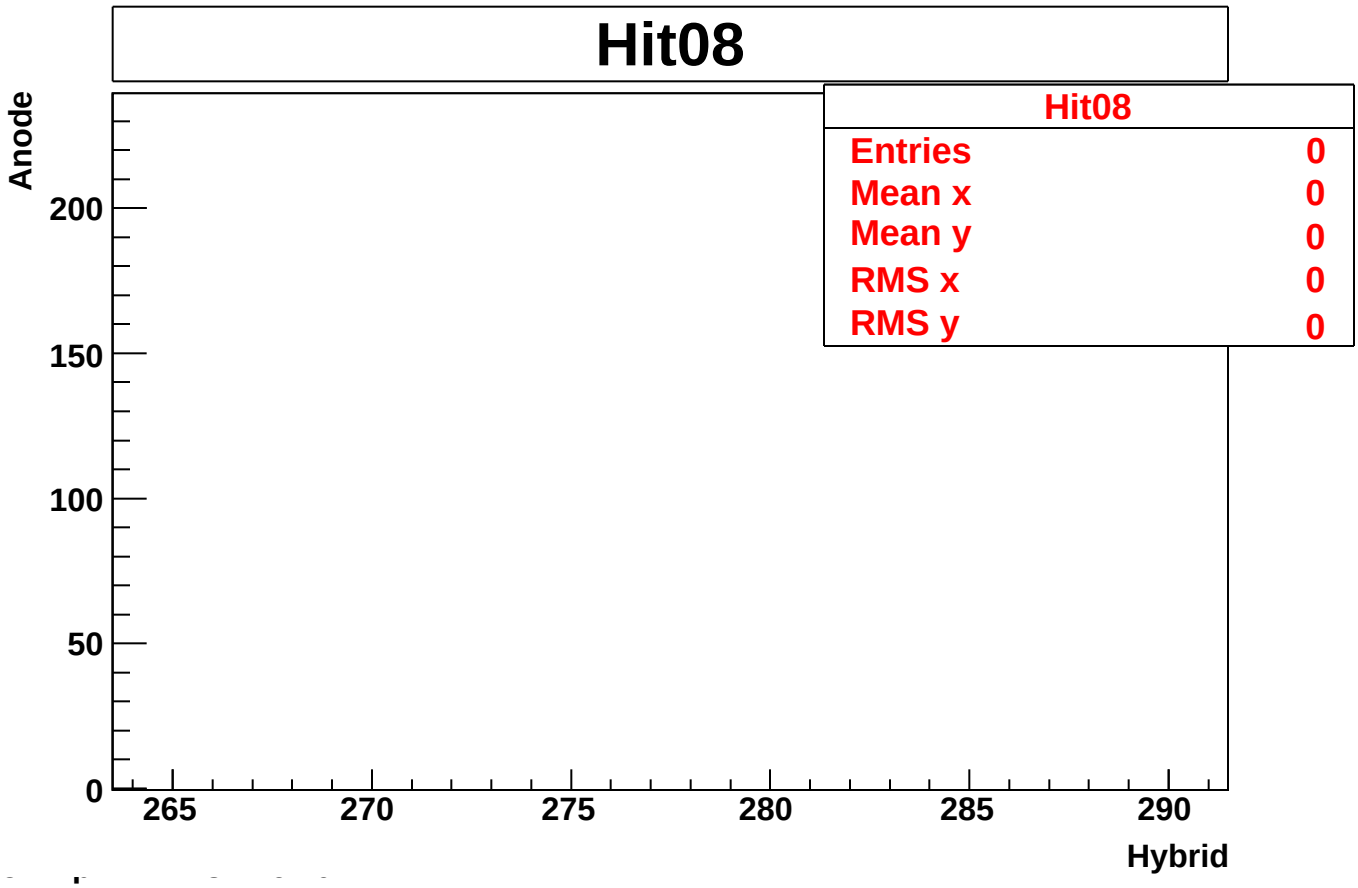

AdcSum06
AdcSum06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#06#any#svt
Anode
200
150
100
50
0
210
215
220
225
230
235
Hybrid

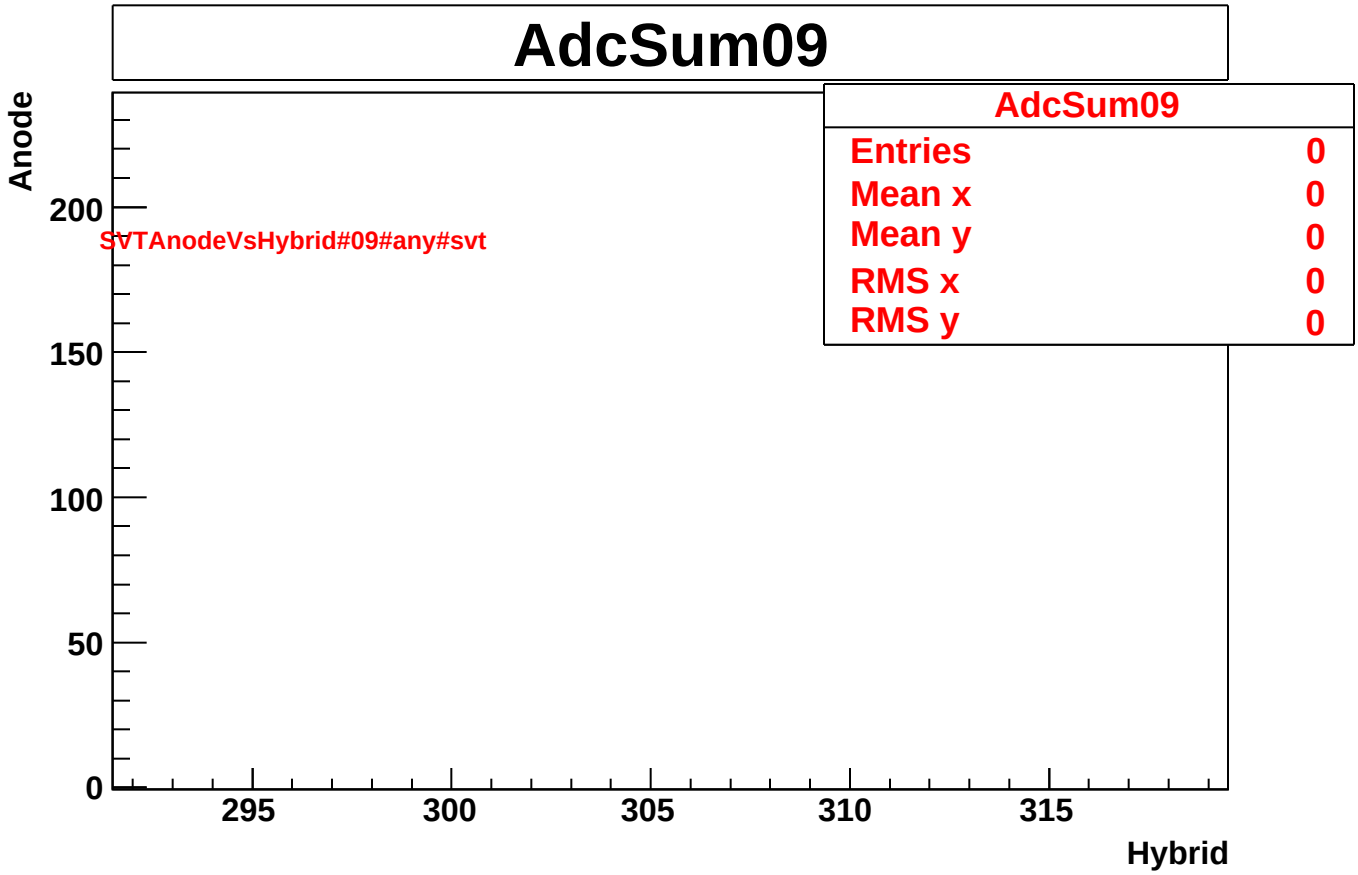

Hit06
Hit06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
210
215
220
225
230
235
Hybrid

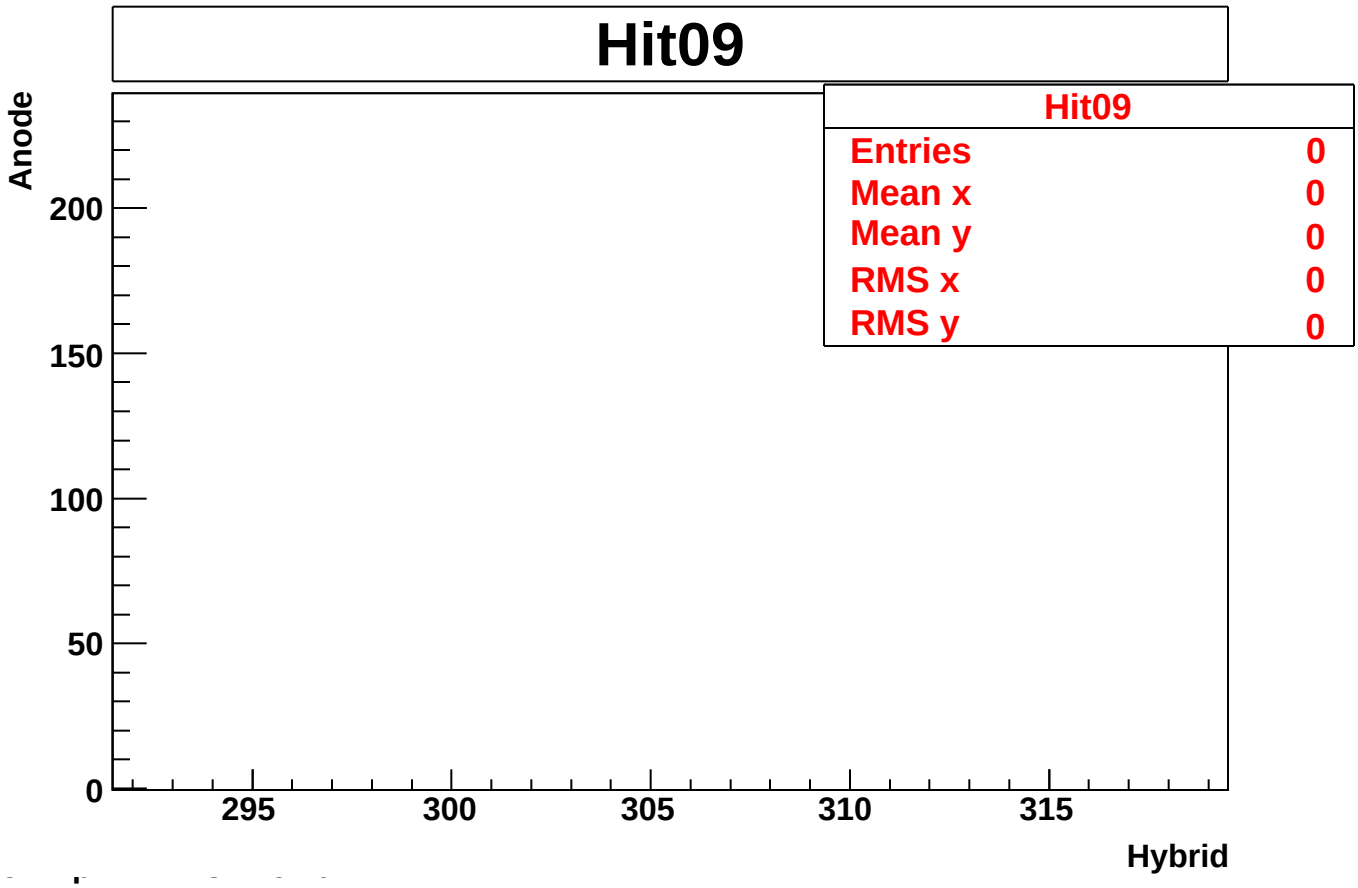

AdcSum07
AdcSum07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#07#any#svt
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

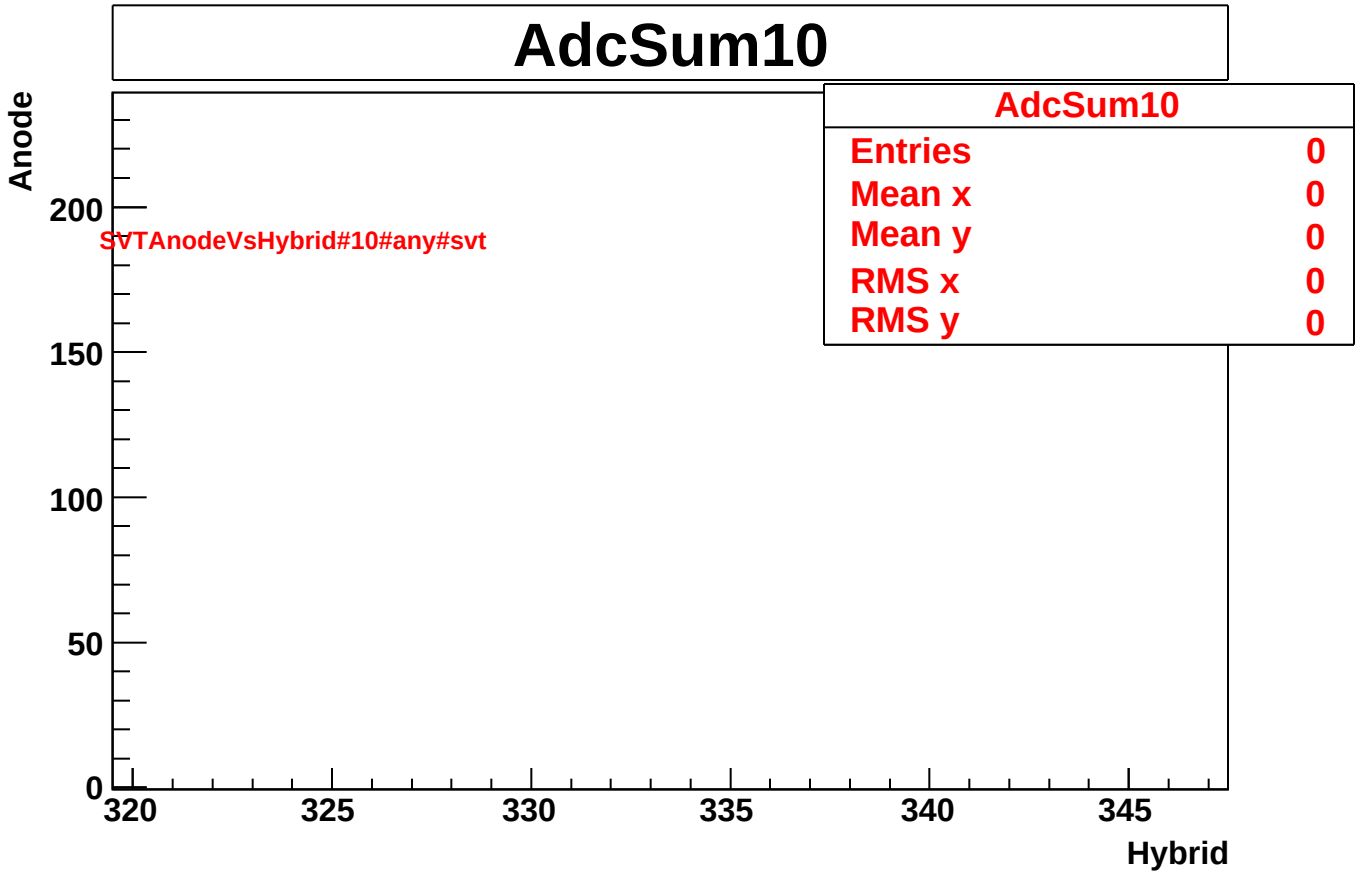

Hit07
Hit07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

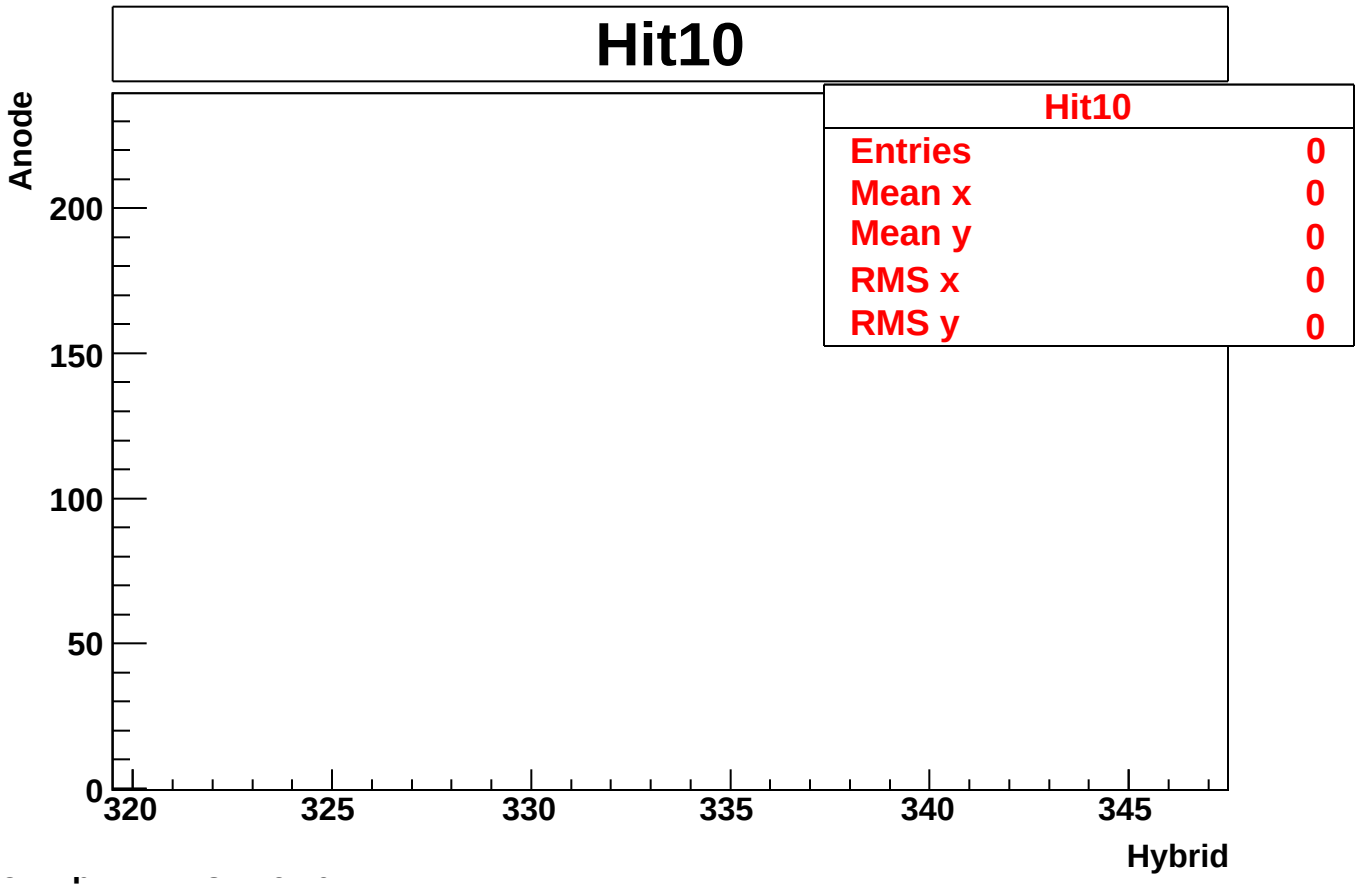

AdcSum08
AdcSum08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#08#any#svt
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

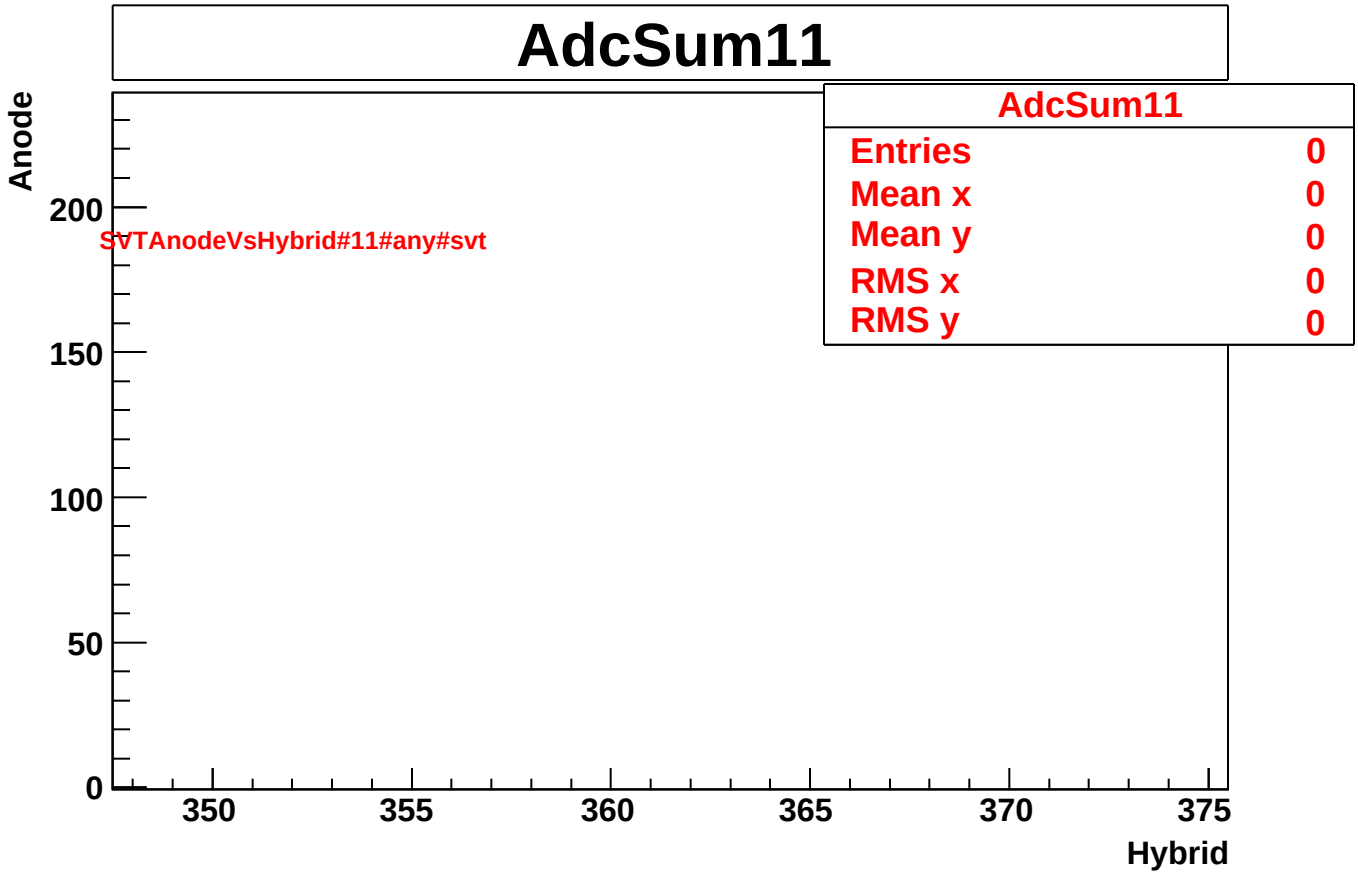

Hit08
Hit08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

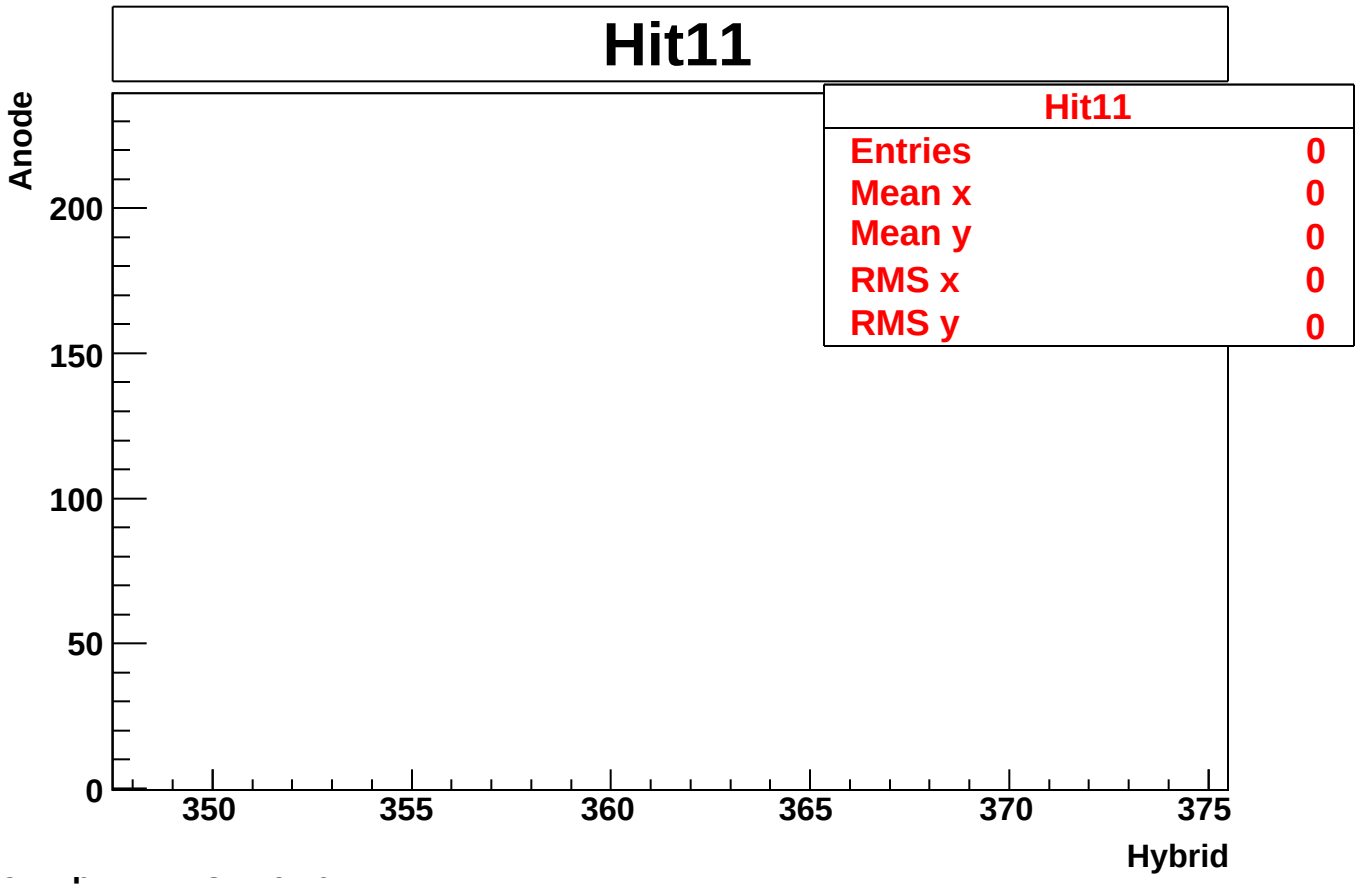

AdcSum09
AdcSum09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#09#any#svt
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

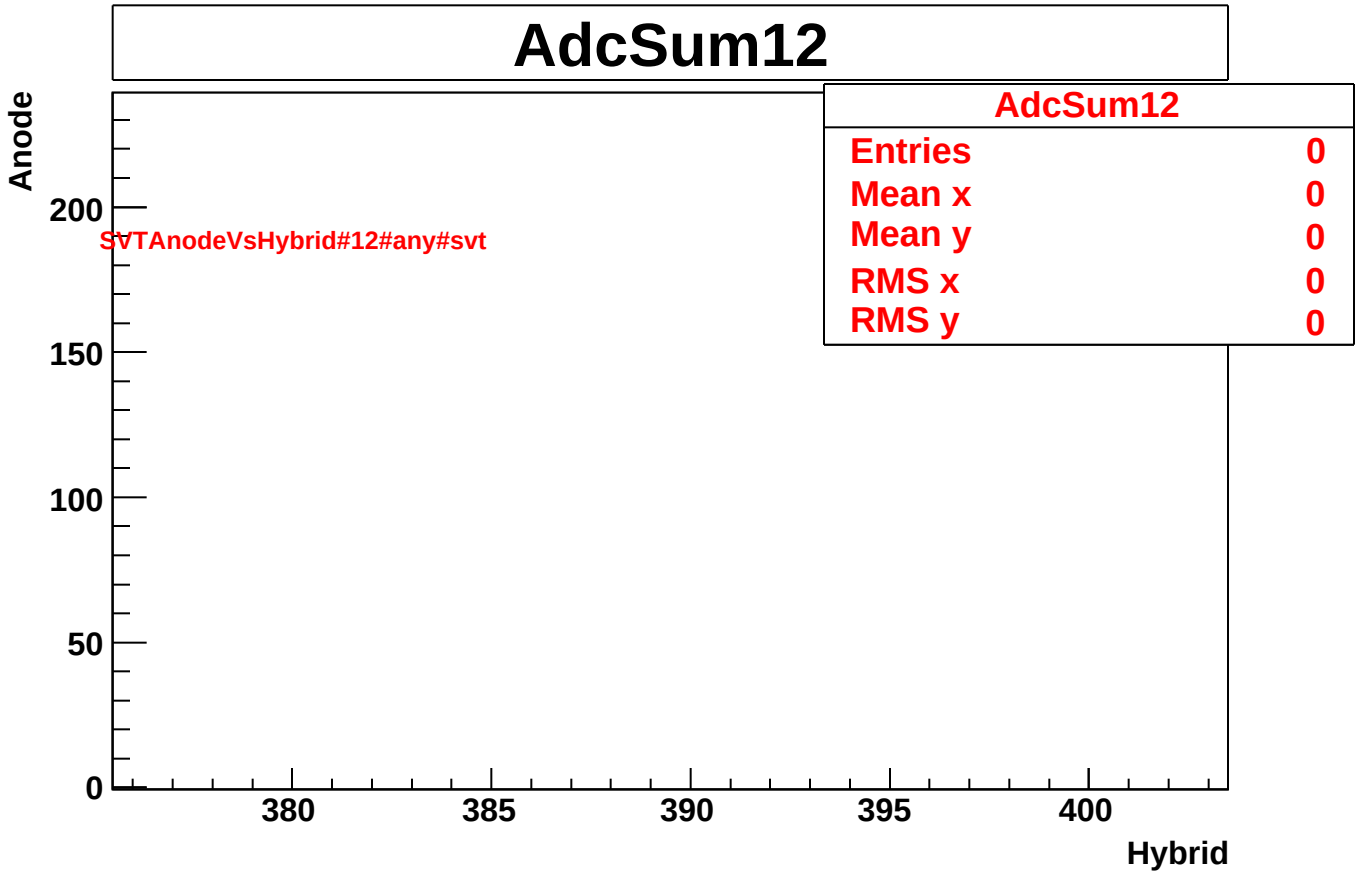

Hit09
Hit09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

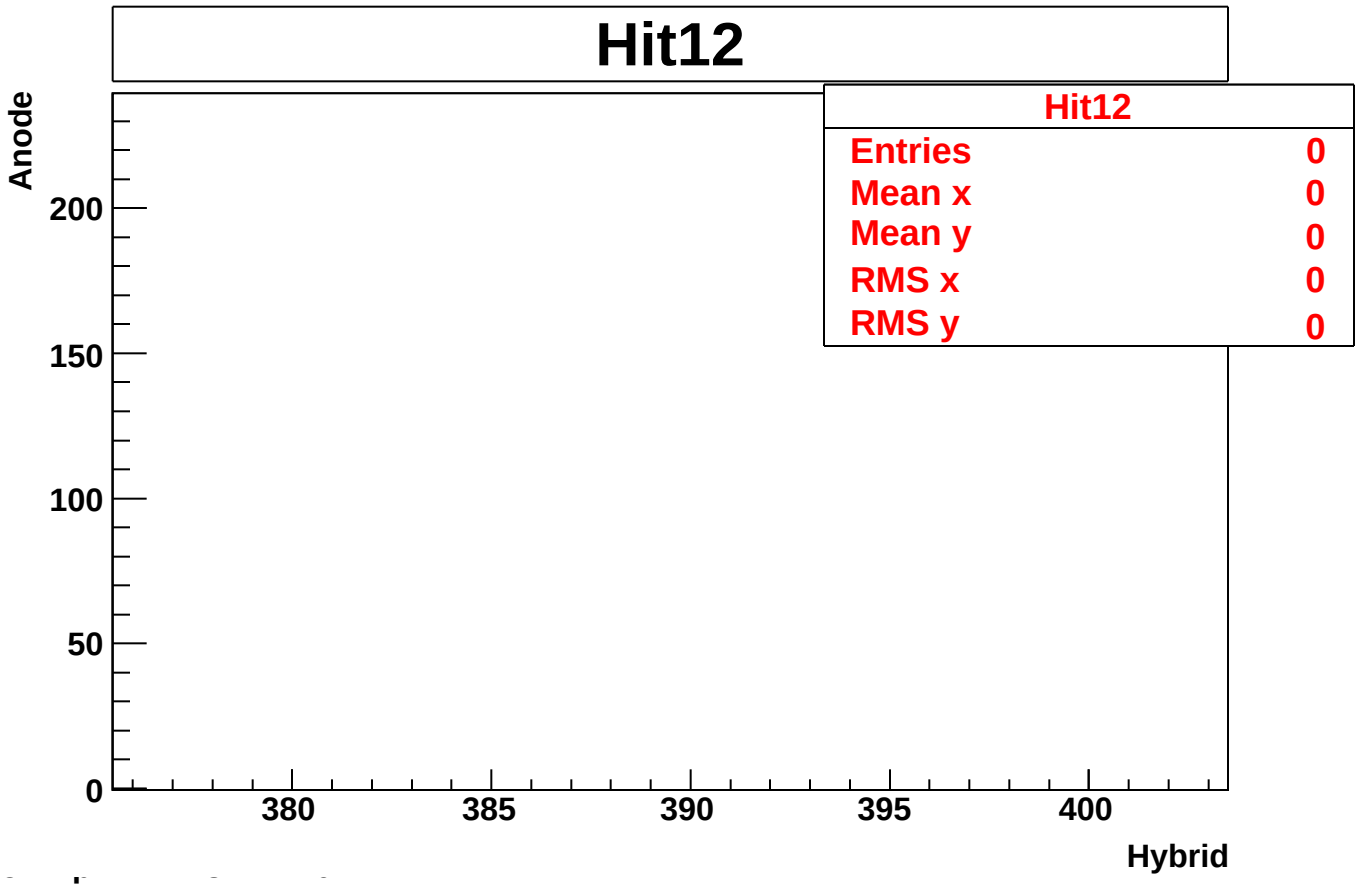

AdcSum10
AdcSum10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#10#any#svt
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

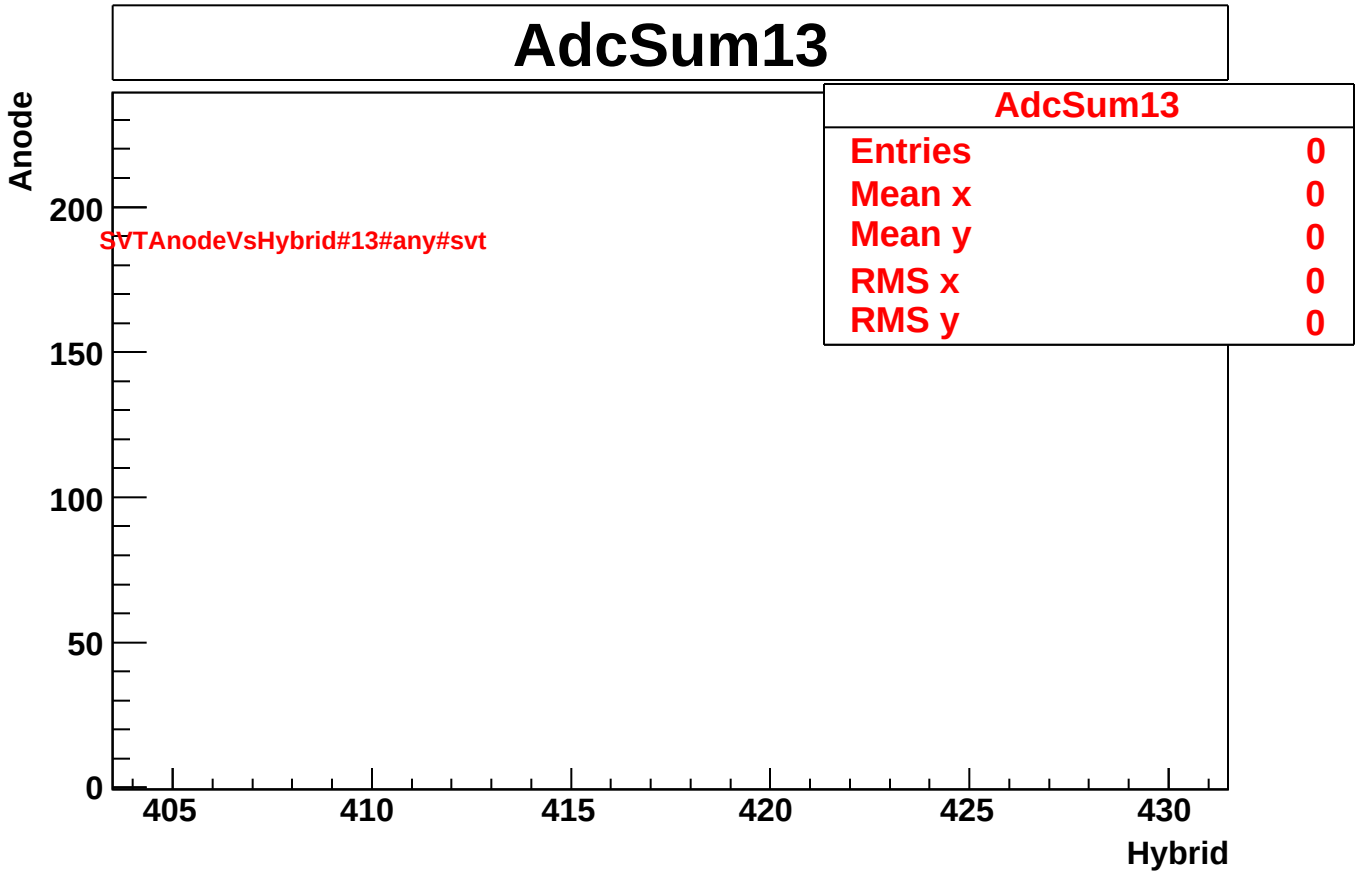

Hit10
Hit10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

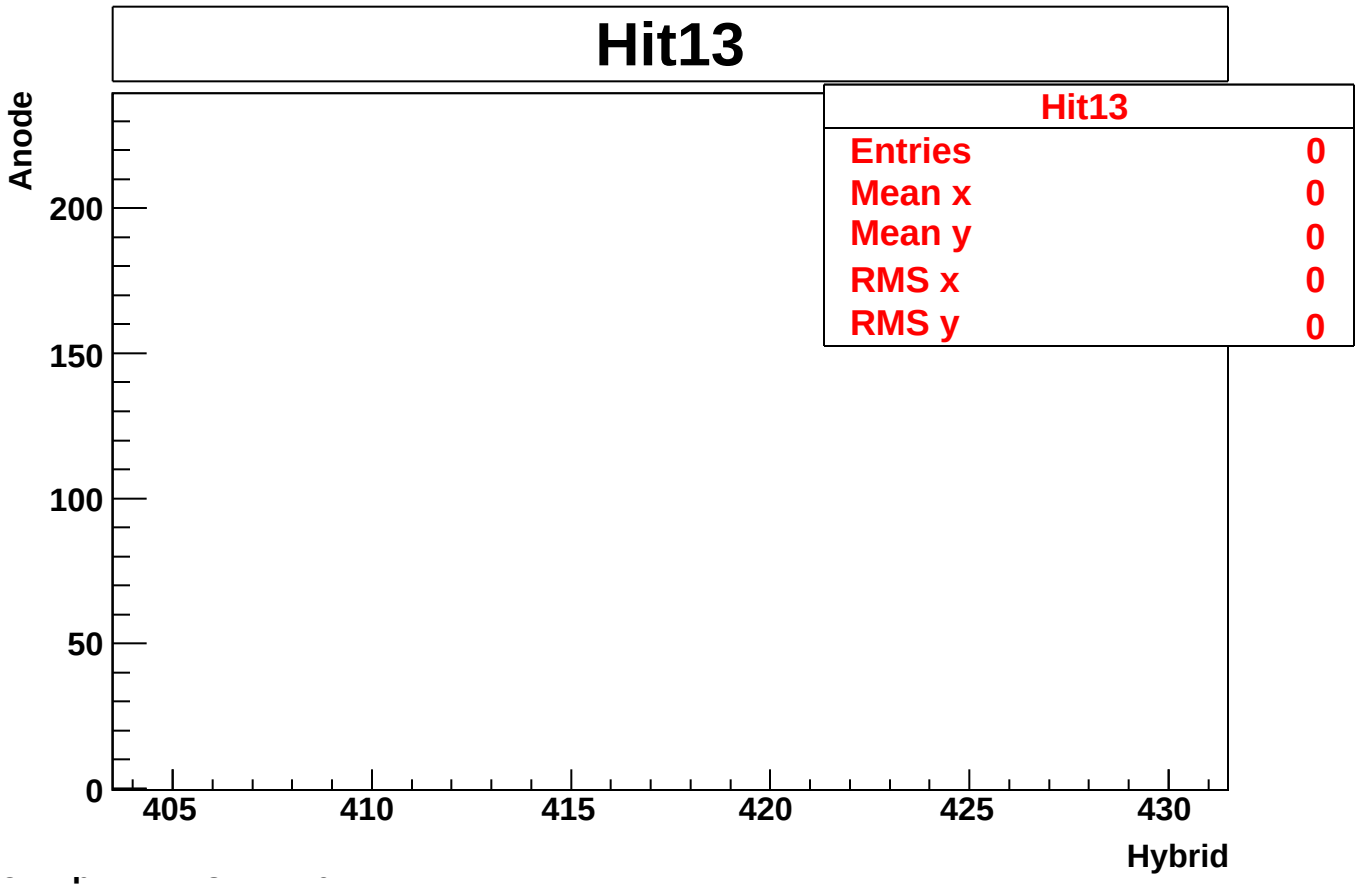

AdcSum11
AdcSum11
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#11#any#svt
Anode
200
150
100
50
0
350
355
360
365
370
375
Hybrid


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

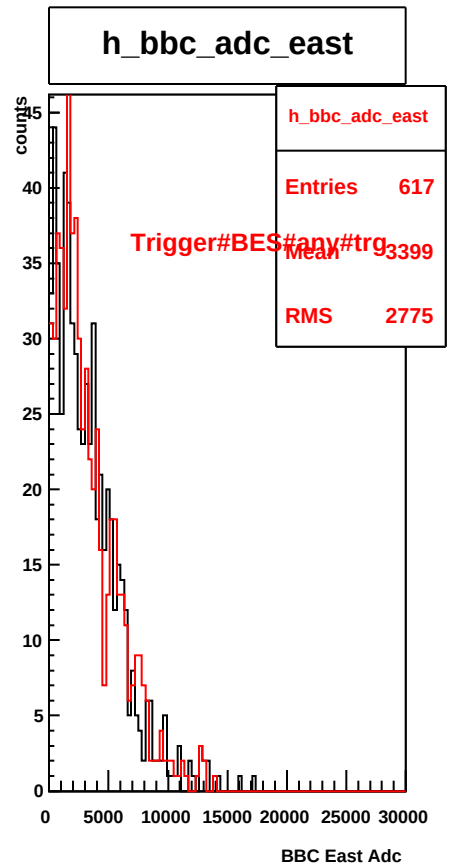

AdcSum12
AdcSum12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#12#any#svt
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

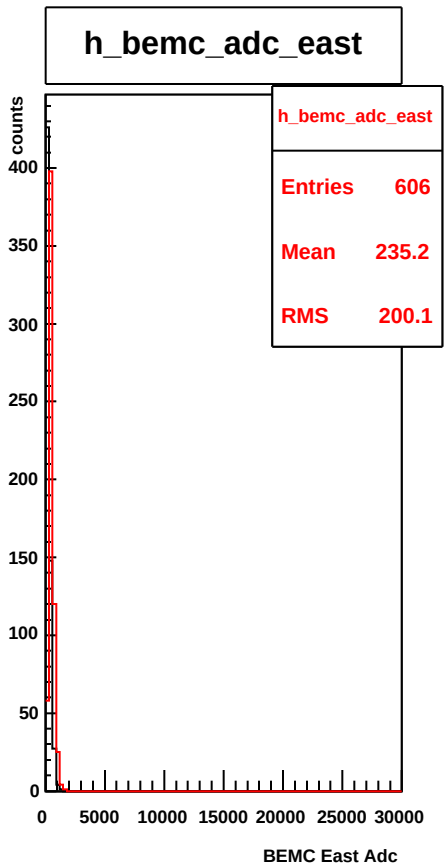

Hit12
Hit12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

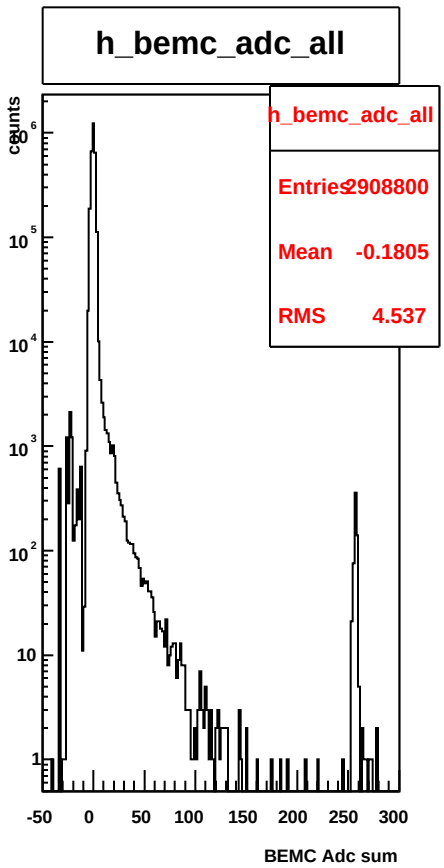

AdcSum13
AdcSum13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#13#any#svt
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

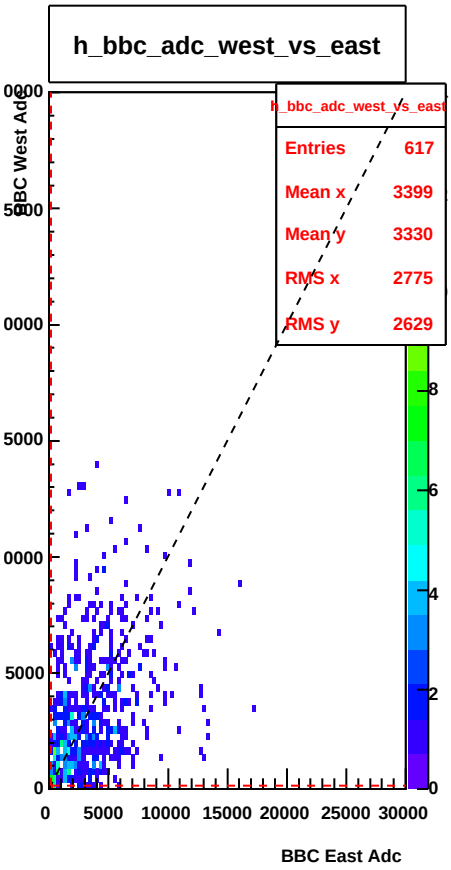

Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

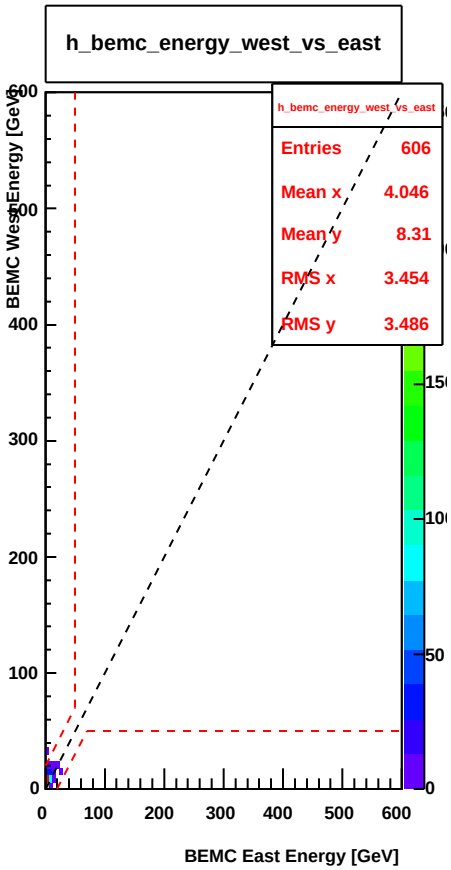
**Ssd#Pedestal#pedestal#ssd**

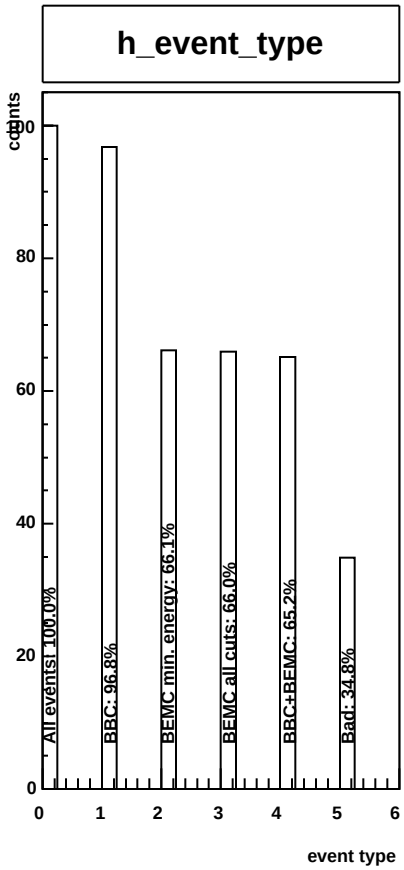

h_bbc_adc_east
h_bbc_adc_east
Entries 617
Mean 3399
RMS 2775
Trigger#BES#any#trg
counts
BBC East Adc

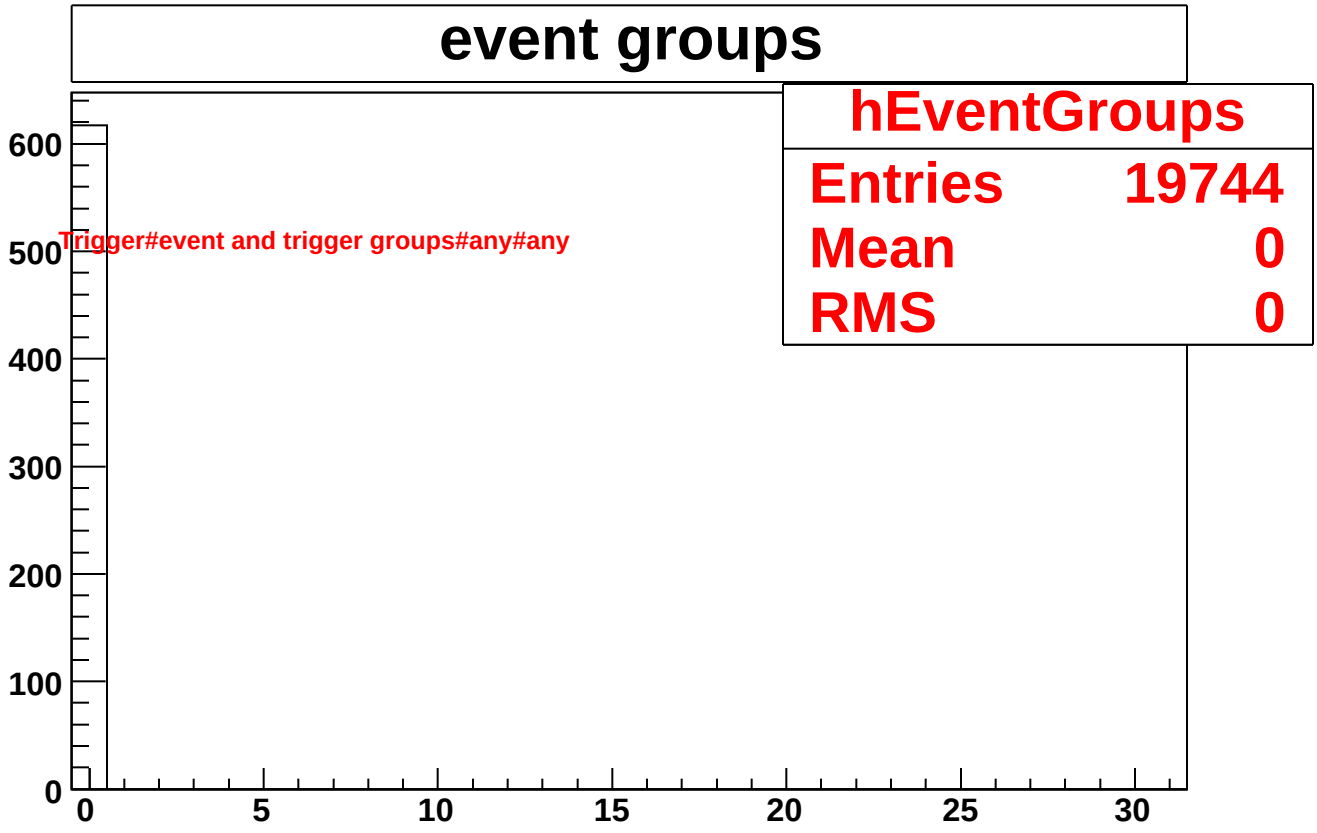

h_bemc_adc_east
h_bemc_adc_east
Entries 606
Mean 235.2
RMS 200.1
counts
BEMC East Adc

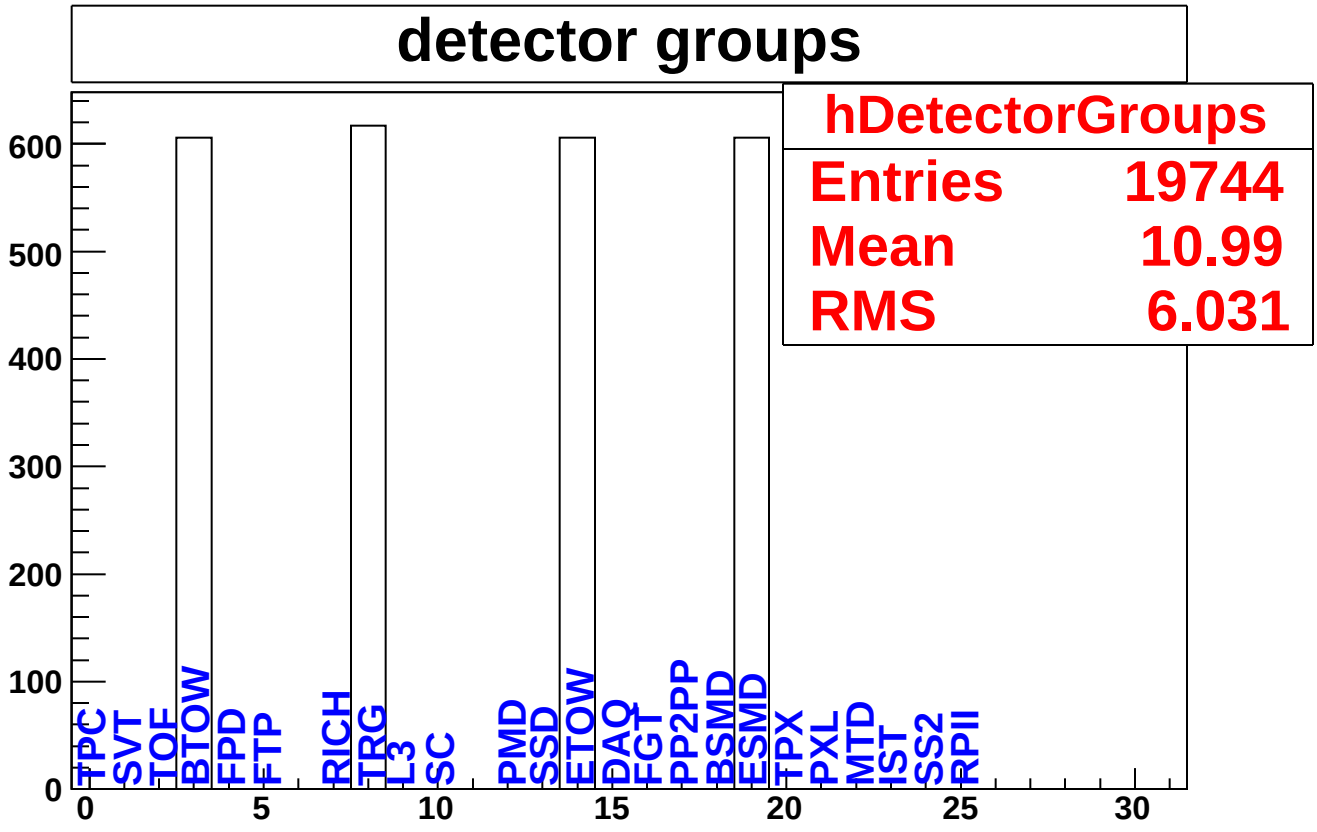

h_bemc_adc_all
h_bemc_adc_all
Entries 2908800
Mean -0.1805
RMS 4.537
counts
BEMC Adc sum

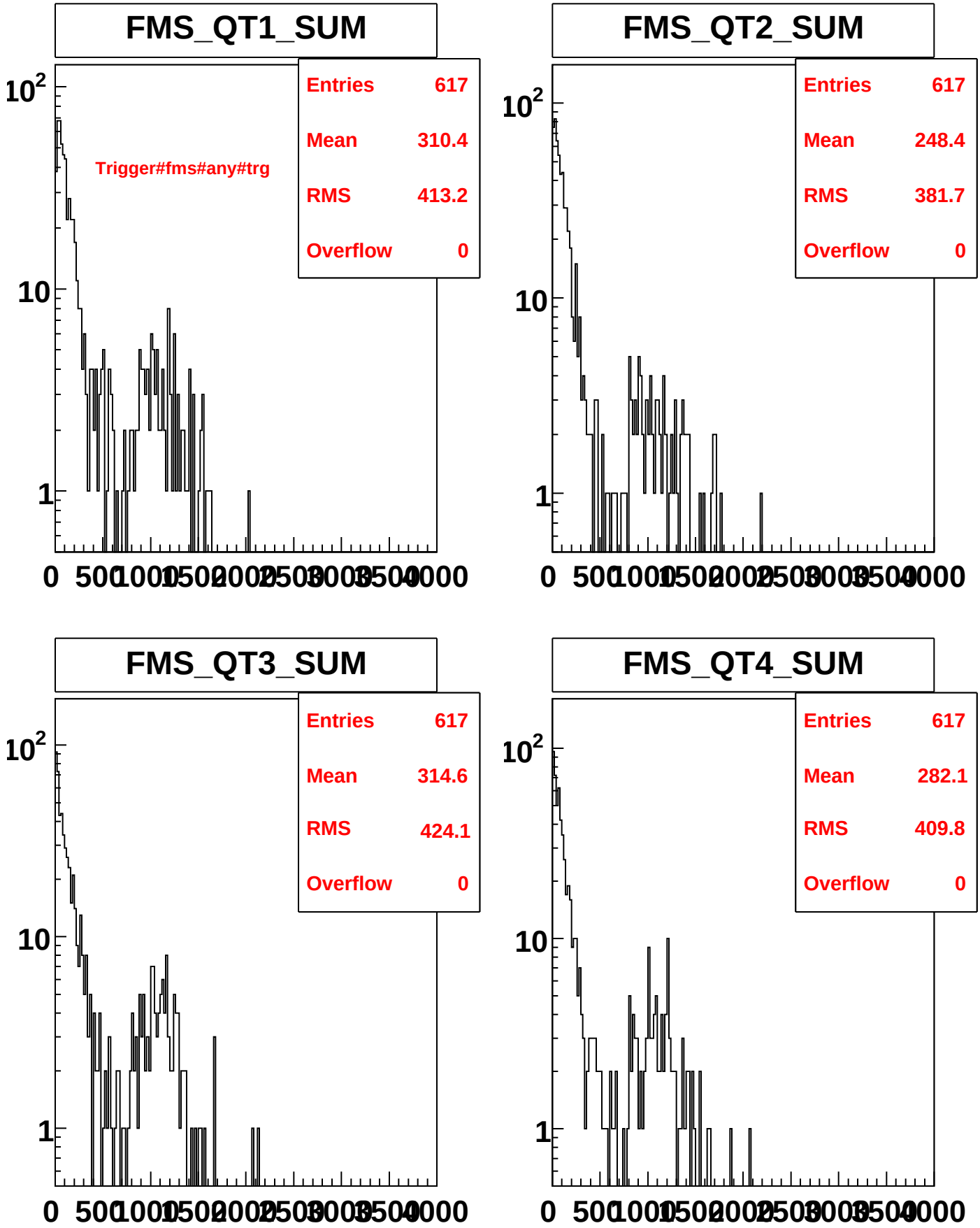

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 617
Mean x 3399
Mean y 3330
RMS x 2775
RMS y 2629
BBC West Adc
BBC East Adc

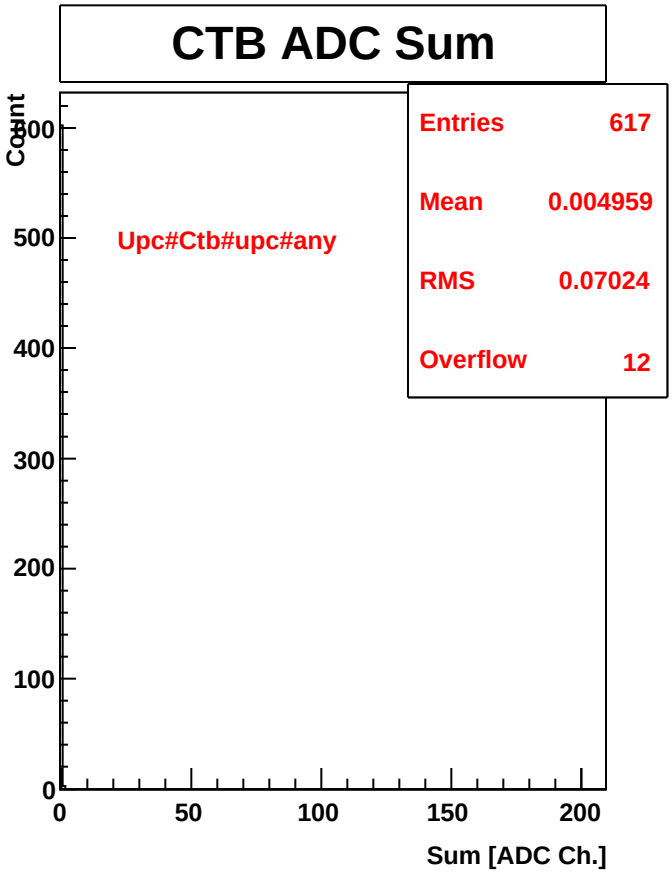

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 606
Mean x 4.046
Mean y 8.31
RMS x 3.454
RMS y 3.486
BEMC West Energy [GeV]
BEMC East Energy [GeV]

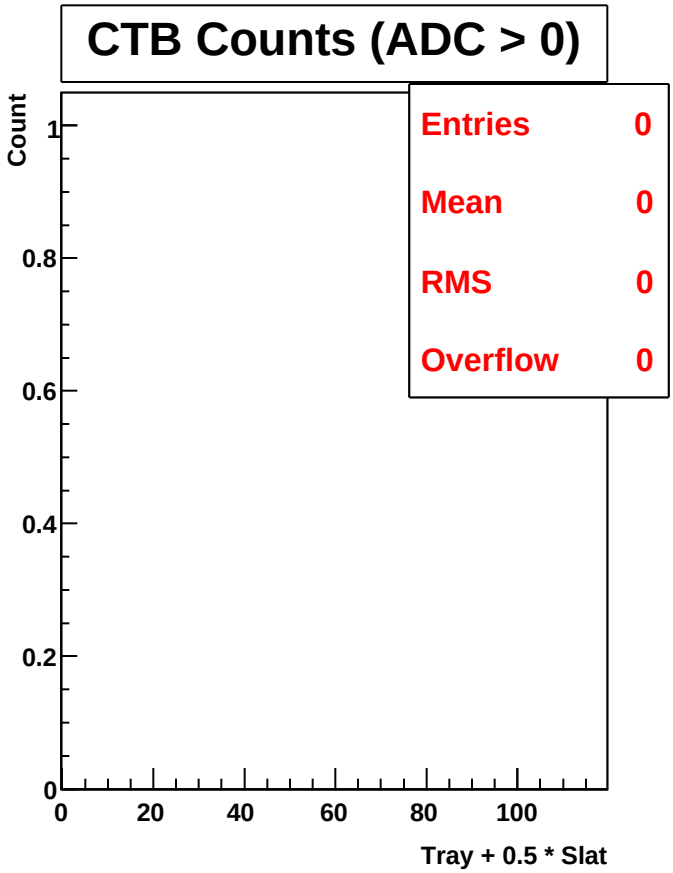

h_event_type
counts
All events: 100.0%
BBC: 96.8%
BEMC min. energy: 66.1%
BEMC all cuts: 66.0%
BBC+BEMC: 65.2%
Bad: 34.8%
event type

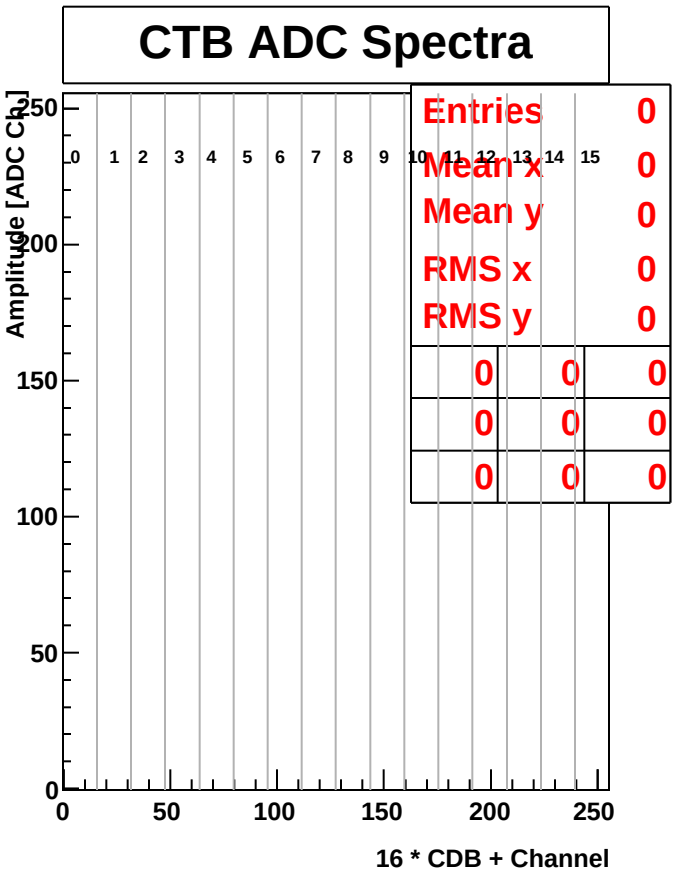

event groups
hEventGroups
Entries 19744
Mean 0
RMS 0
Trigger#event and trigger groups#any#any
0
100
200
300
400
500
600
0
5
10
15
20
25
30

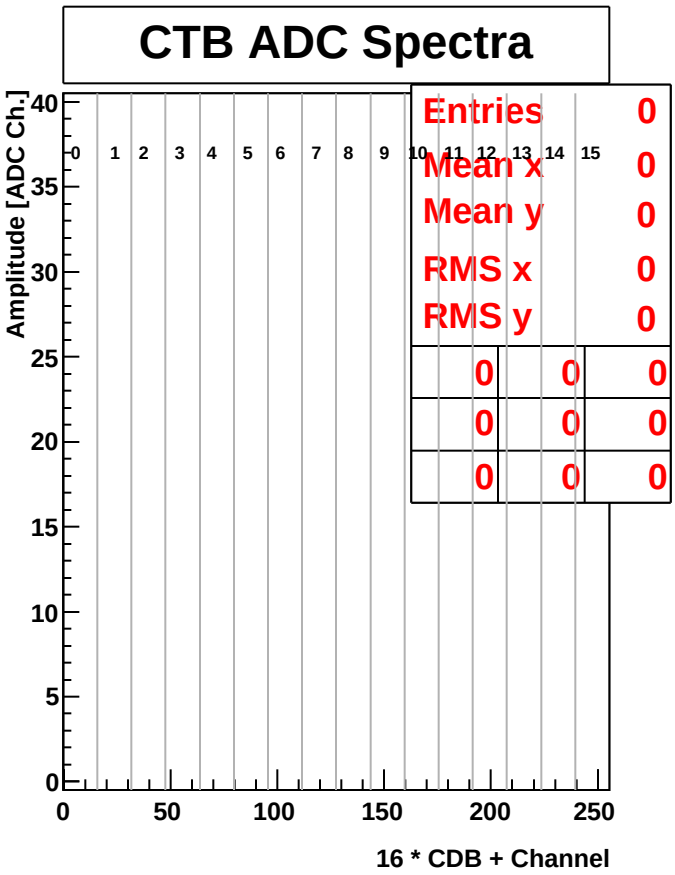

detector groups
hDetectorGroups
Entries 19744
Mean 10.99
RMS 6.031
0
100
200
300
400
500
600
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
5
10
15
20
25
30

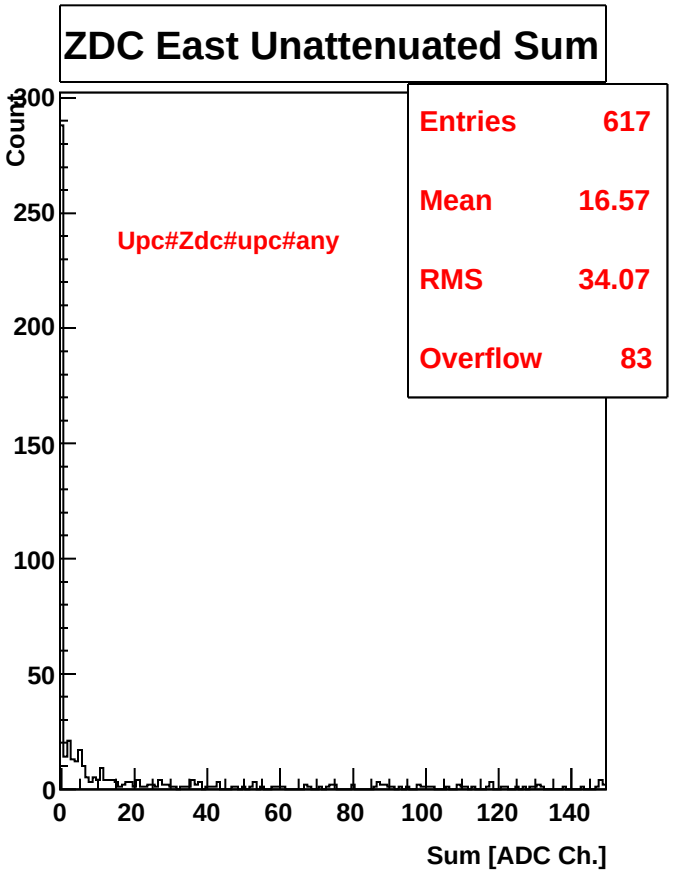

FMS_QT1_SUM
Entries 617
Mean 310.4
RMS 413.2
Overflow 0
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 617
Mean 248.4
RMS 381.7
Overflow 0
FMS_QT3_SUM
Entries 617
Mean 314.6
RMS 424.1
Overflow 0
FMS_QT4_SUM
Entries 617
Mean 282.1
RMS 409.8
Overflow 0

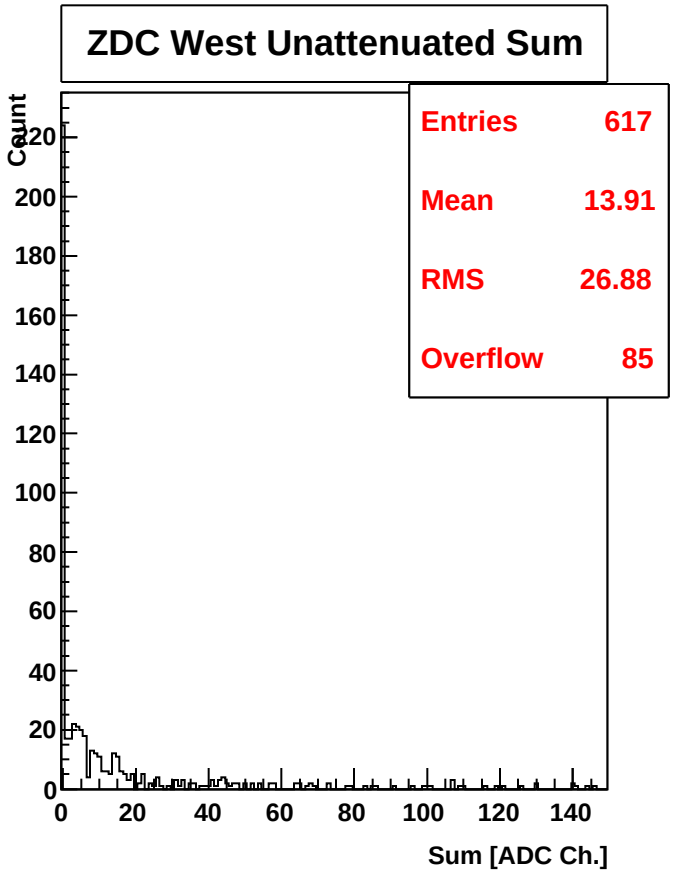

CTB ADC Sum
Count
Upc#Ctb#upc#any
Entries 617
Mean 0.004959
RMS 0.07024
Overflow 12
Sum [ADC Ch.]

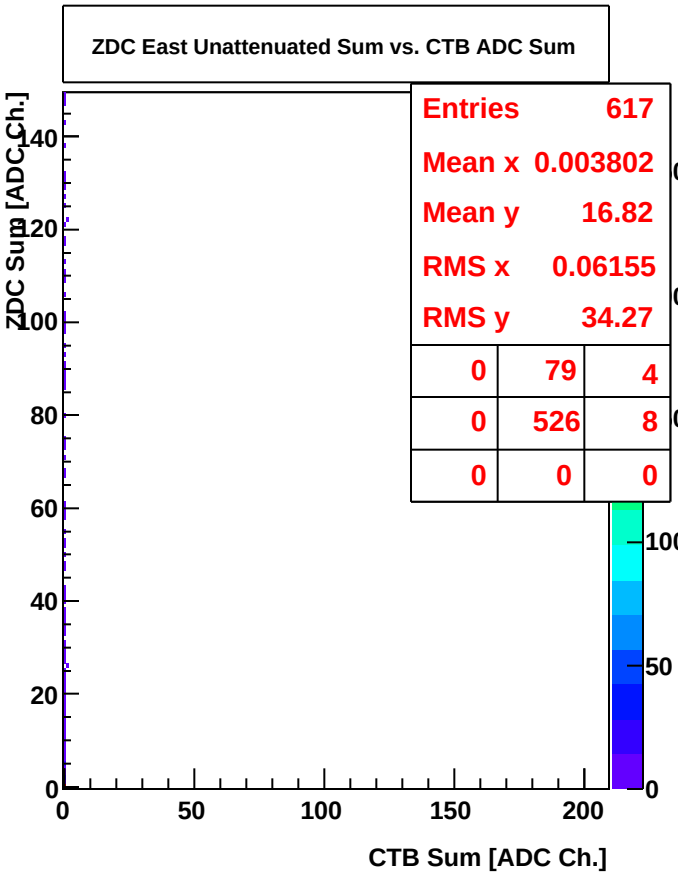

CTB Counts (ADC > 0)
Count
Entries 0
Mean 0
RMS 0
Overflow 0
Tray + 0.5 * Slat

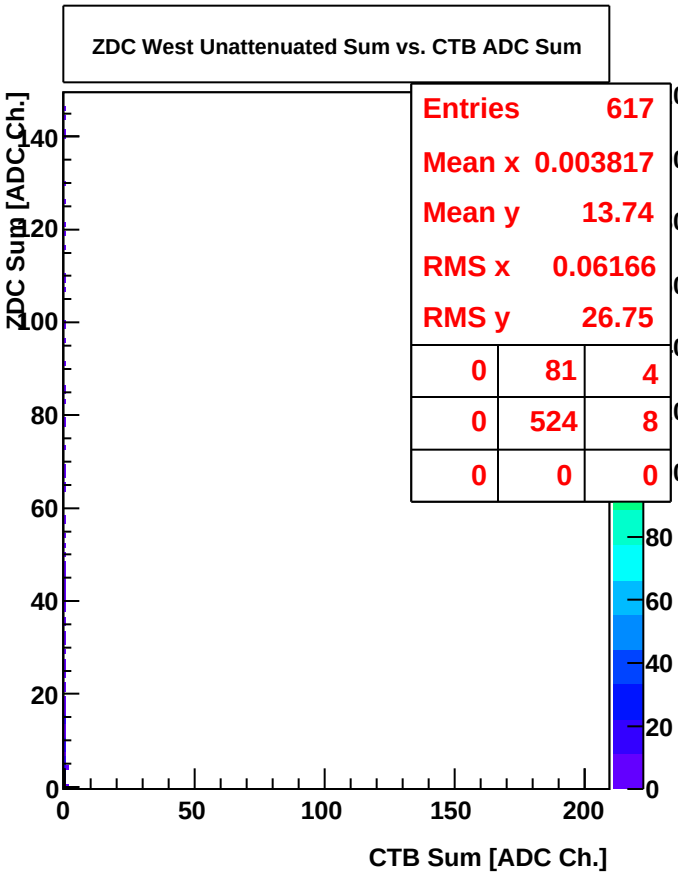

CTB ADC Spectra
Amplitude [ADC Ch.]
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
16 * CDB + Channel


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


ZDC East Unattenuated Sum
Entries 617
Mean 16.57
RMS 34.07
Overflow 83
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 617
Mean 13.91
RMS 26.88
Overflow 85
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 617
Mean x 0.003802
Mean y 16.82
RMS x 0.06155
RMS y 34.27
0 79 4
0 526 8
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 617
Mean x 0.003817
Mean y 13.74
RMS x 0.06166
RMS y 26.75
0 81 4
0 524 8
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]