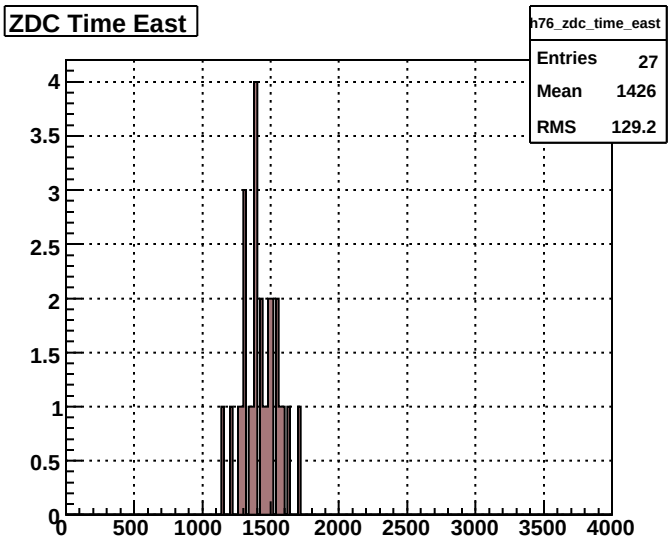
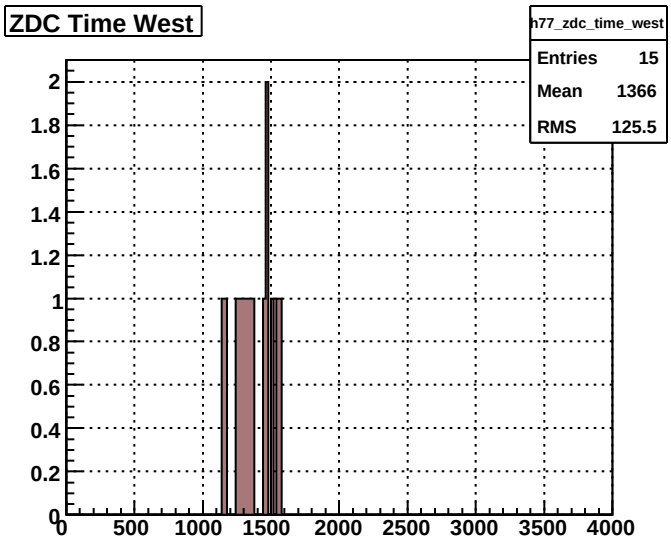
Run: #12058047

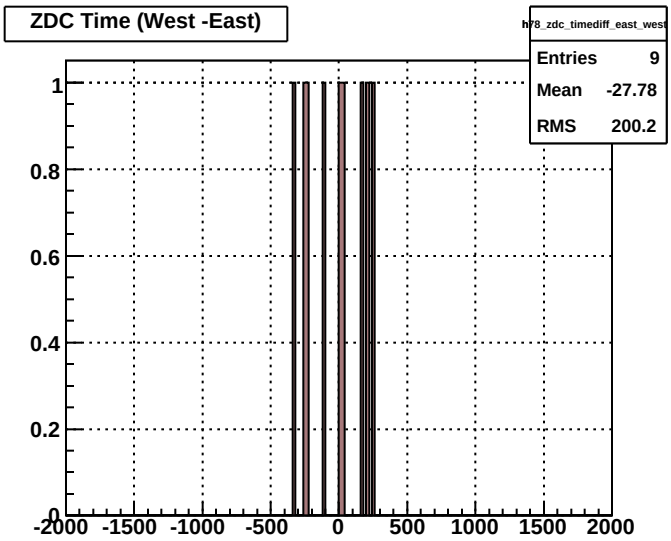
TriggerBits: 11111111 11111111 11111111 11111111

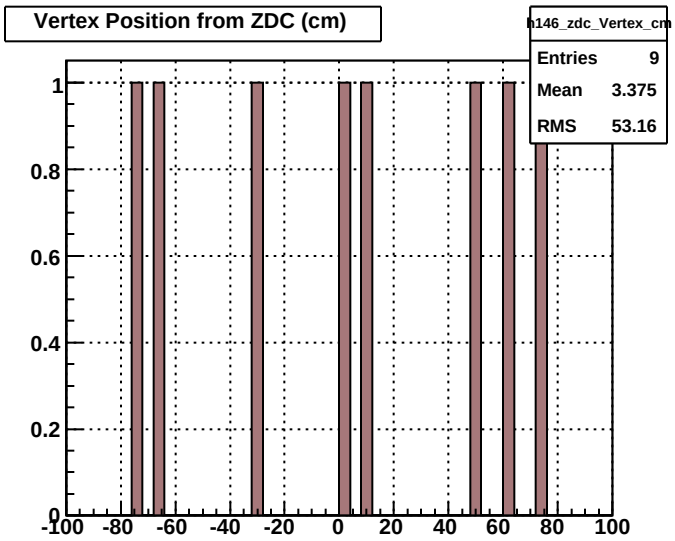
DetectorBits: 00000000 00001000 01000001 00001000

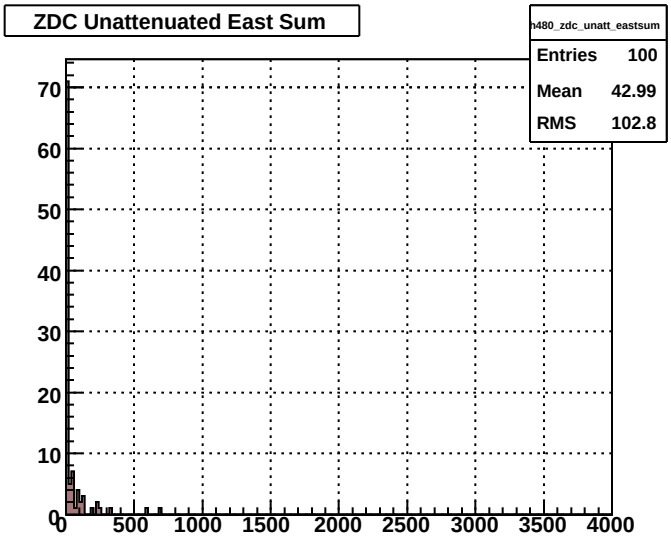
Sun Feb 27 19:27:23 2011

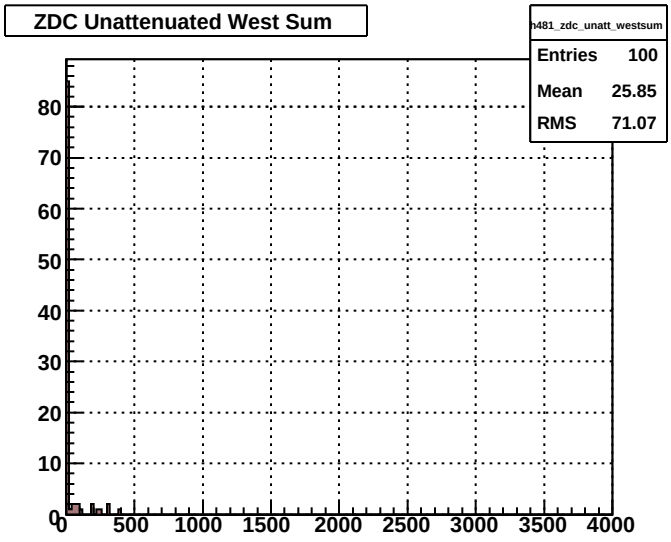

ZDC Time East
h76_zdc_time_east
Entries 27
Mean 1426
RMS 129.2

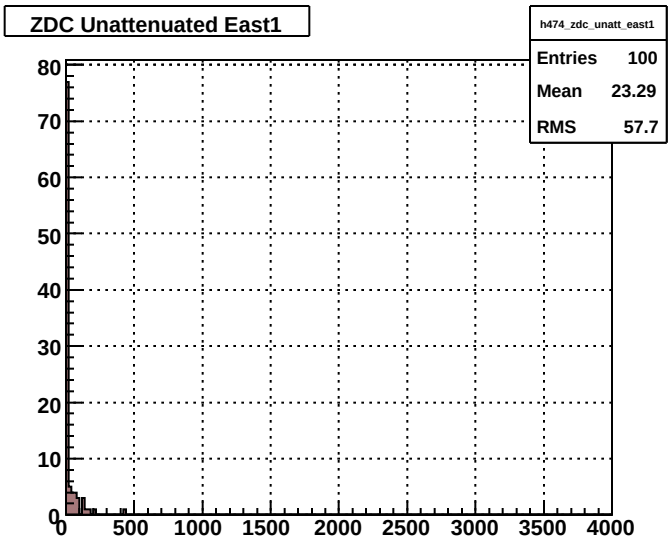

ZDC Time West
h77_zdc_time_west
Entries 15
Mean 1366
RMS 125.5

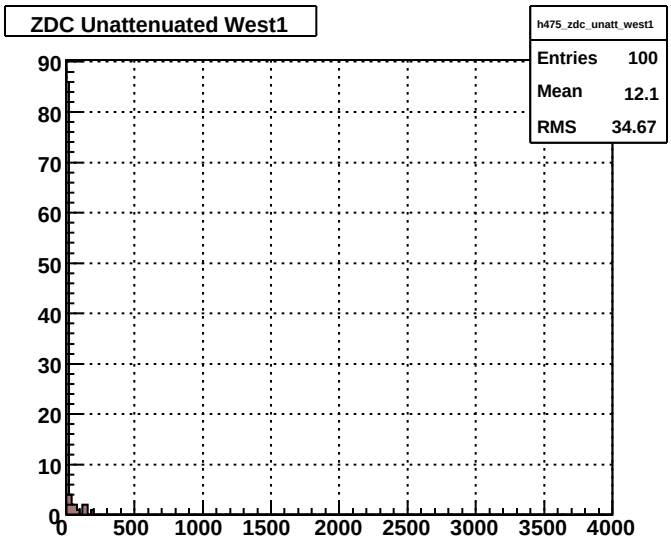

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 9
Mean -27.78
RMS 200.2

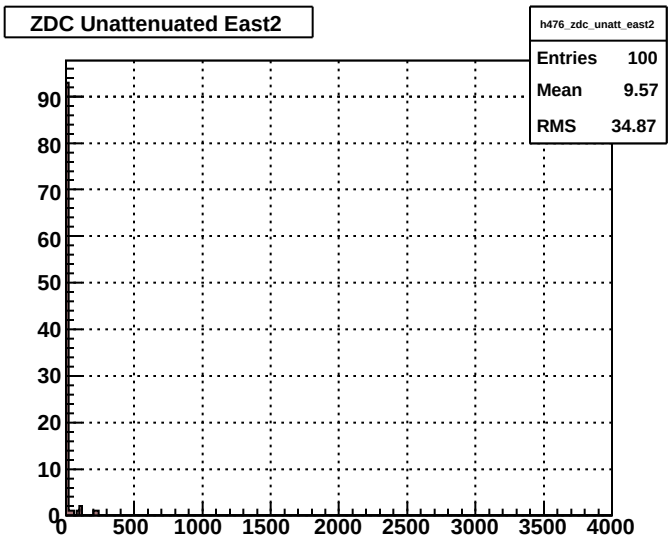

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 9
Mean 3.375
RMS 53.16

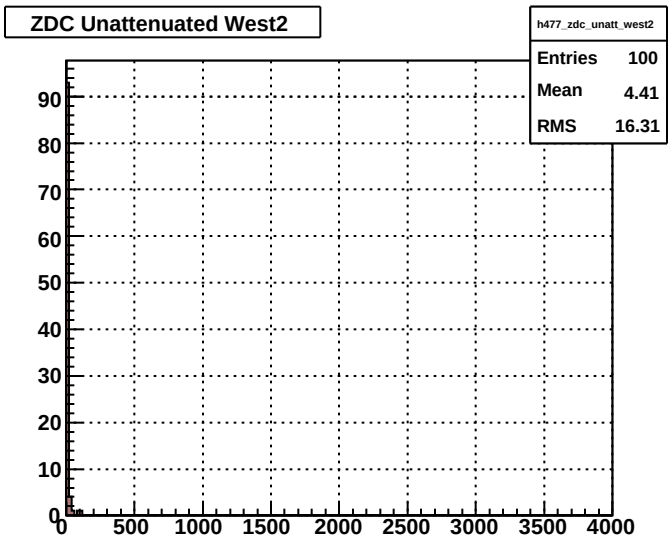

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 100
Mean 42.99
RMS 102.8

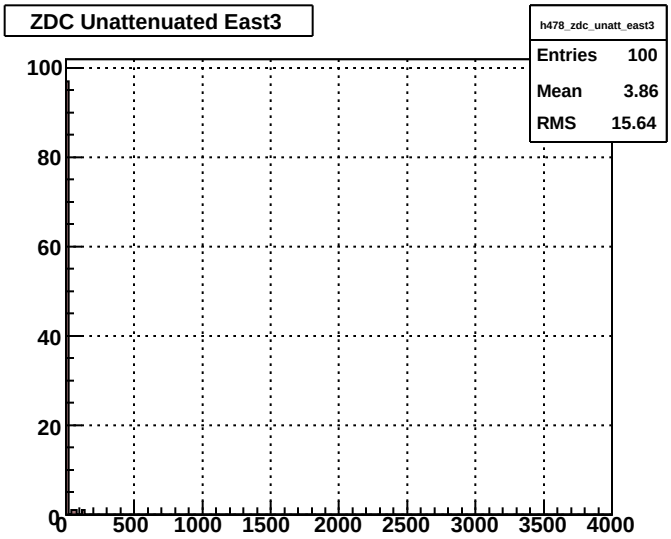

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 100
Mean 25.85
RMS 71.07

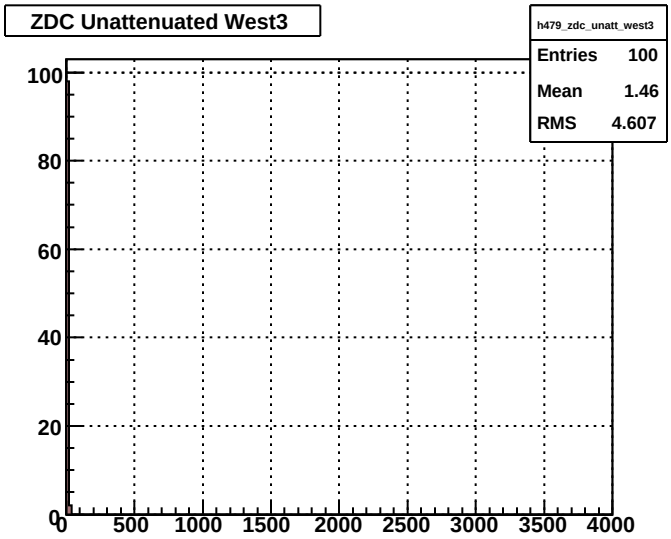

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 100
Mean 23.29
RMS 57.7

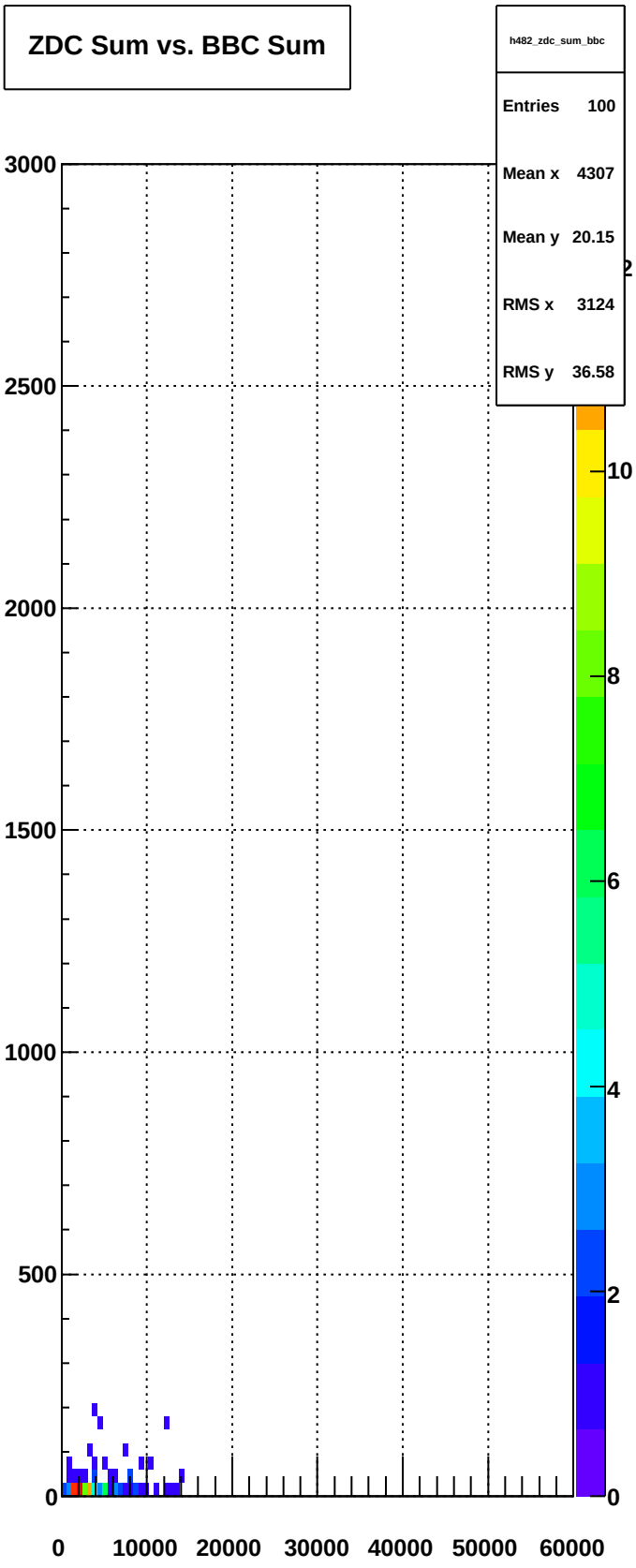

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 100
Mean 12.1
RMS 34.67

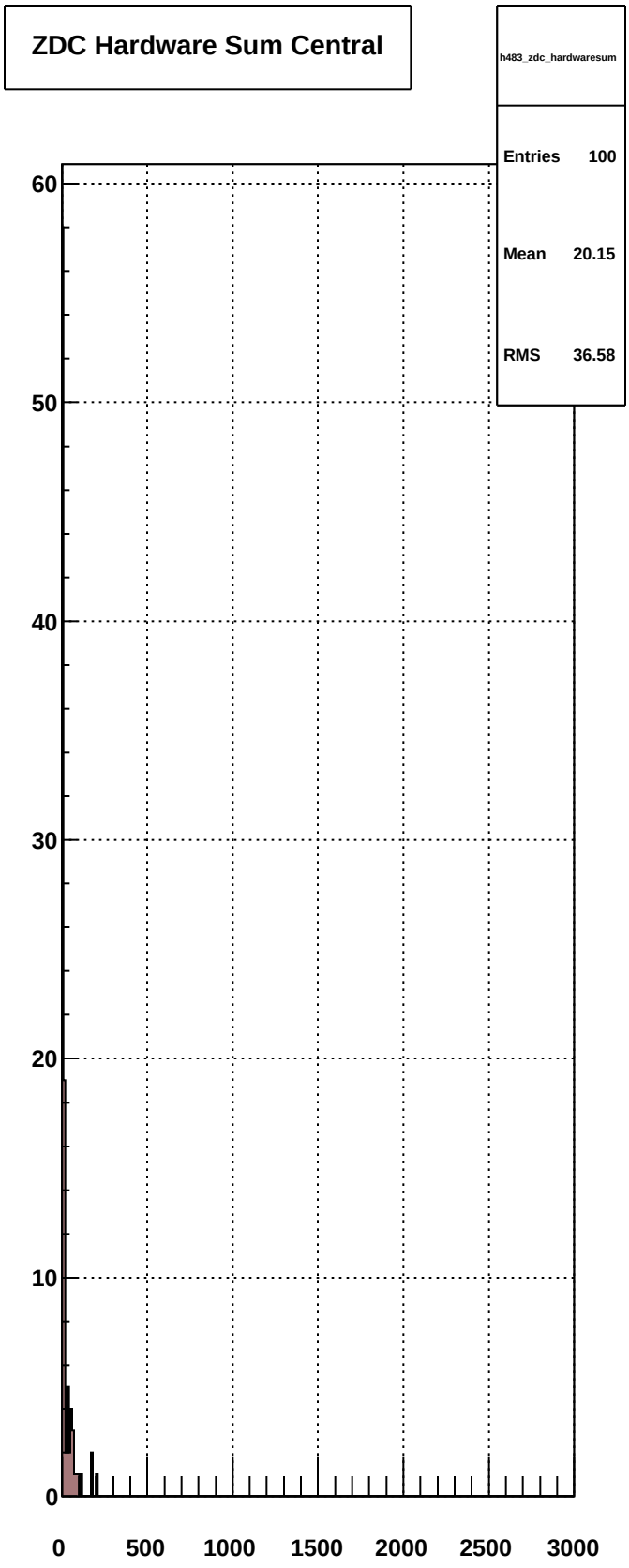

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 100
Mean 9.57
RMS 34.87

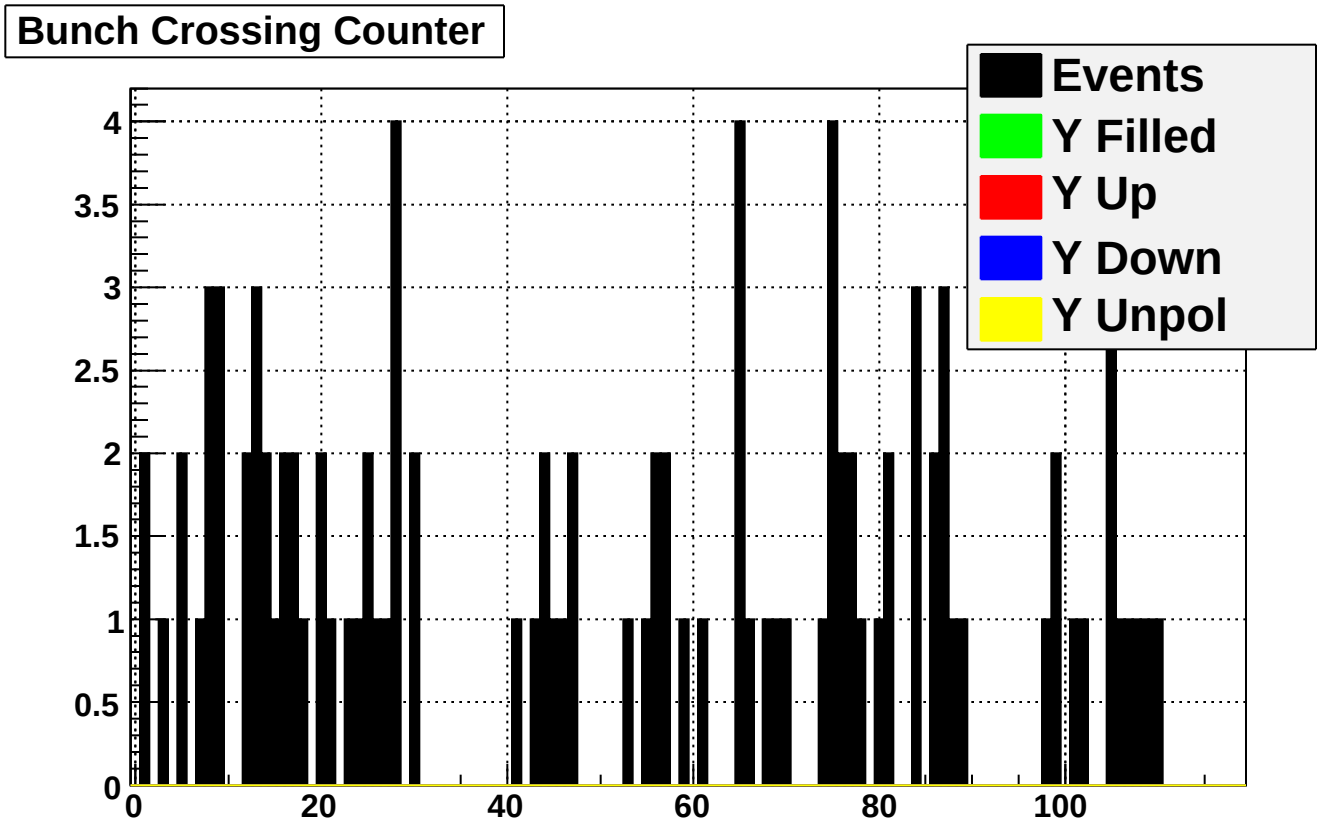

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 100
Mean 4.41
RMS 16.31

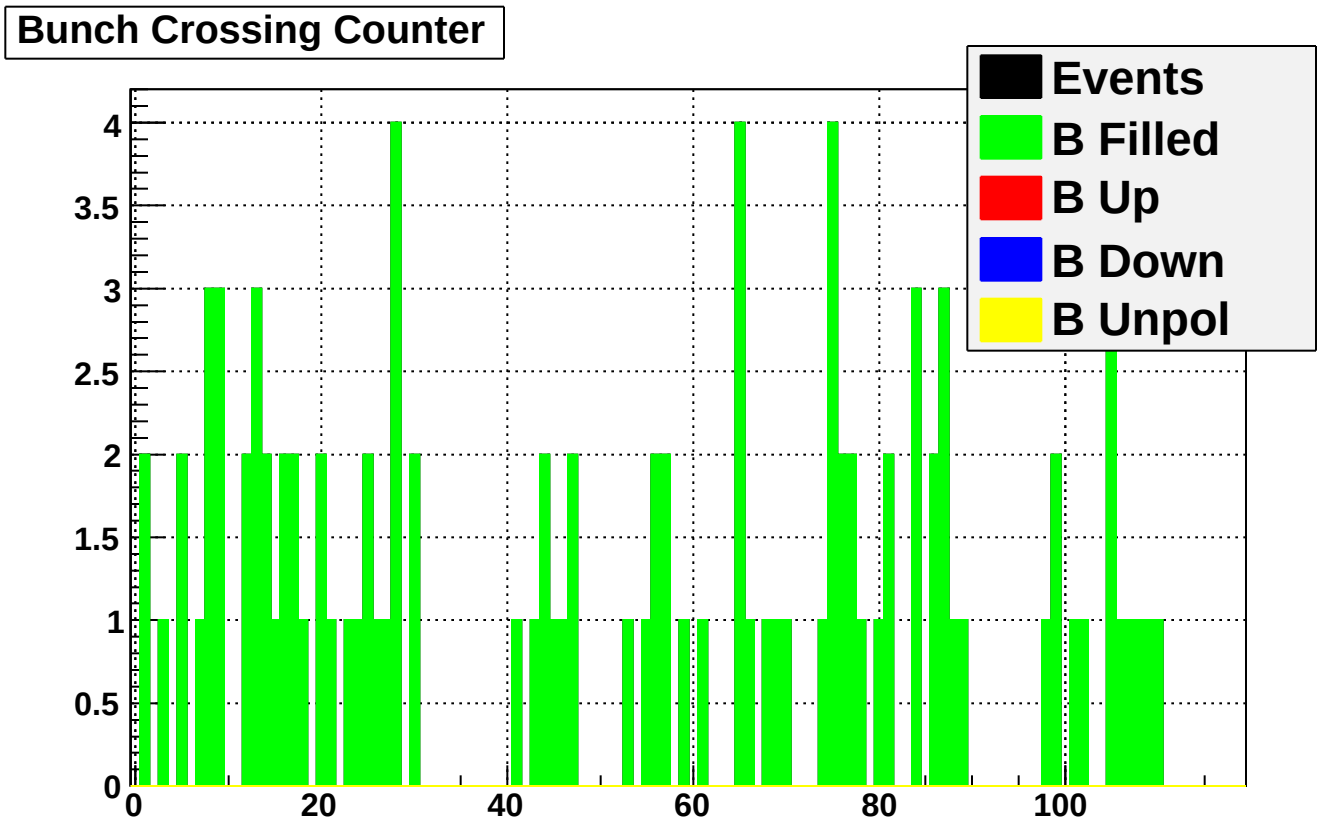

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 100
Mean 3.86
RMS 15.64

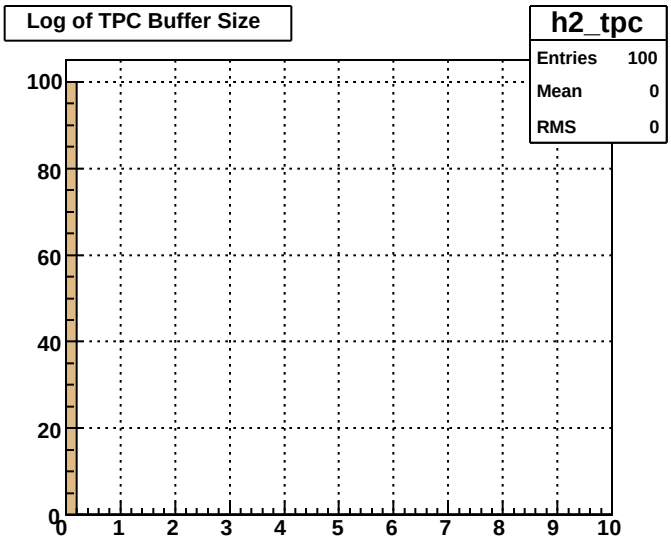

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 100
Mean 1.46
RMS 4.607

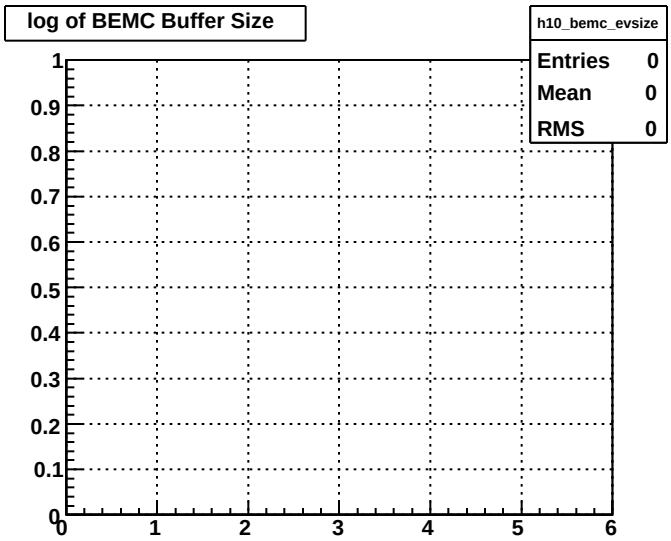

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 100
Mean x 4307
Mean y 20.15
RMS x 3124
RMS y 36.58
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
10
8
6
4
2
0

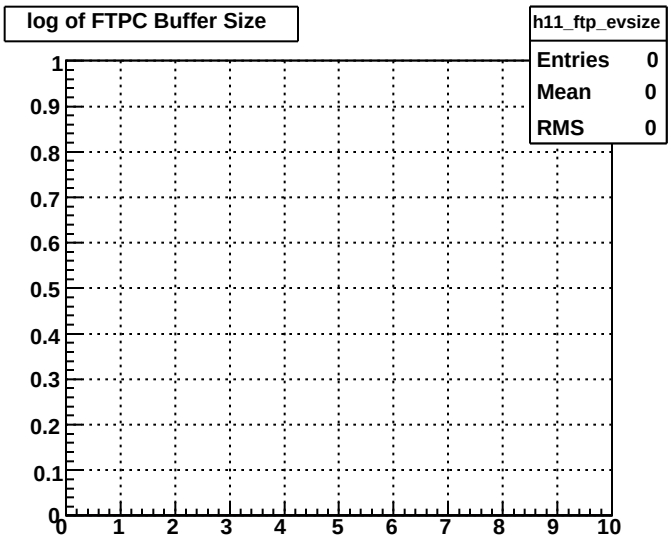

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 100
Mean 20.15
RMS 36.58
60
50
40
30
20
10
0
0
500
1000
1500
2000
2500
3000

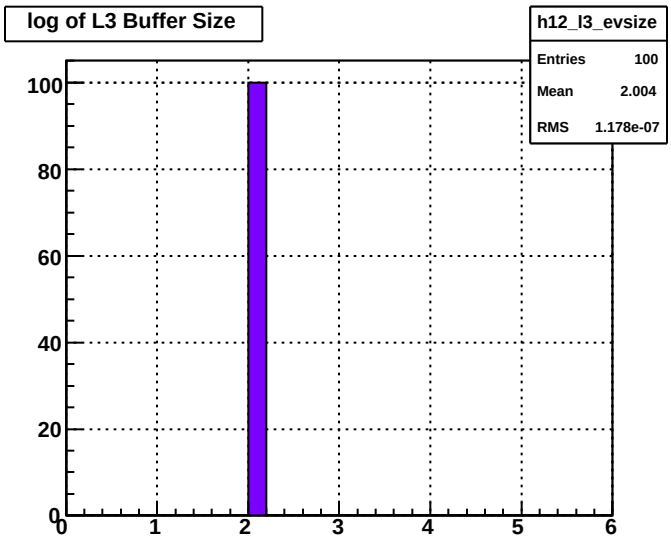

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
0.5
1
1.5
2
2.5
3
3.5
4
0
20
40
60
80
100

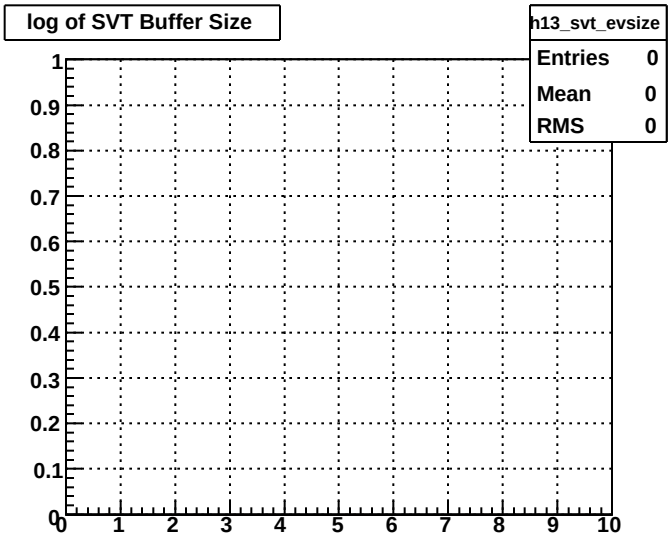

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
0.5
1
1.5
2
2.5
3
3.5
4
0
20
40
60
80
100

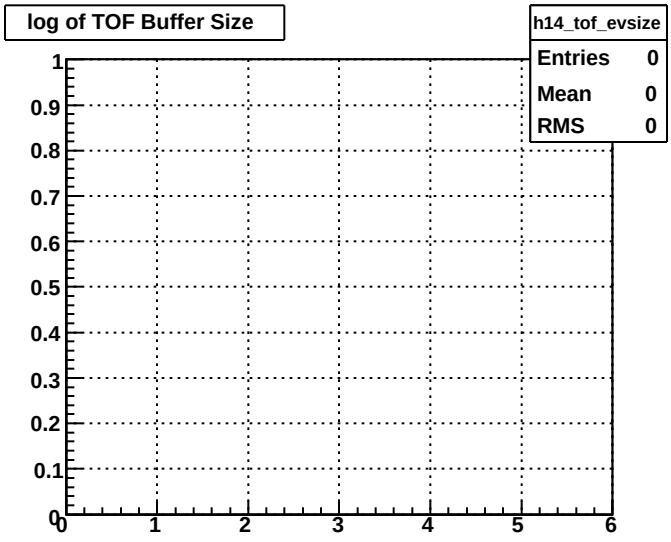

Log of TPC Buffer Size
h2_tpc
Entries 100
Mean 0
RMS 0

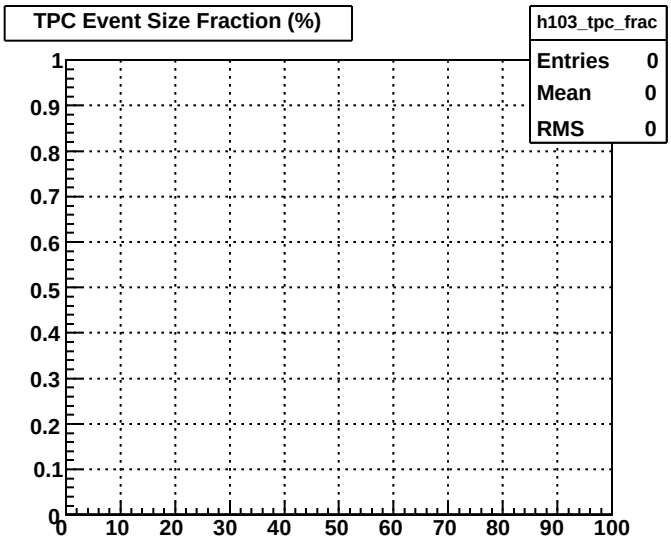

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

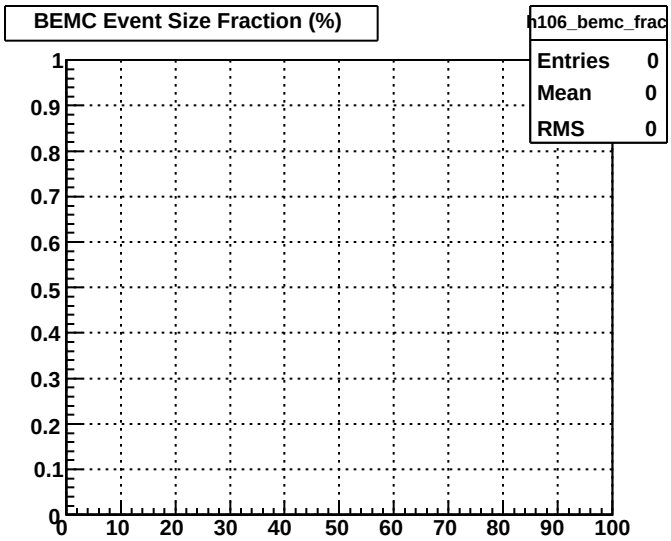

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

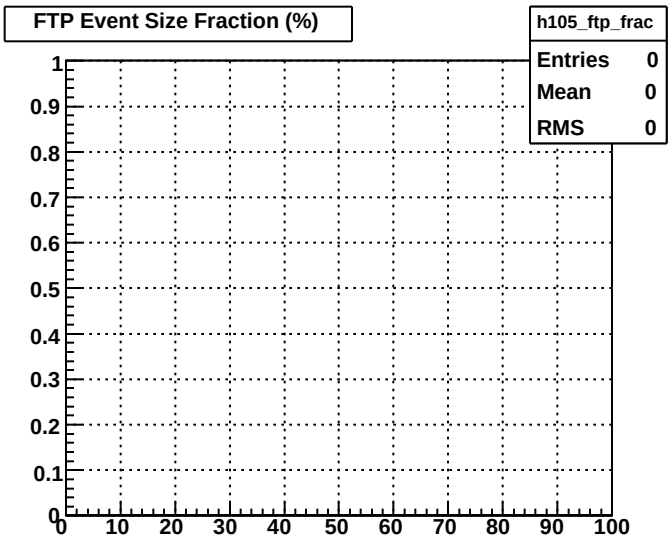

log of L3 Buffer Size
h12_l3_evsize
Entries 100
Mean 2.004
RMS 1.178e-07

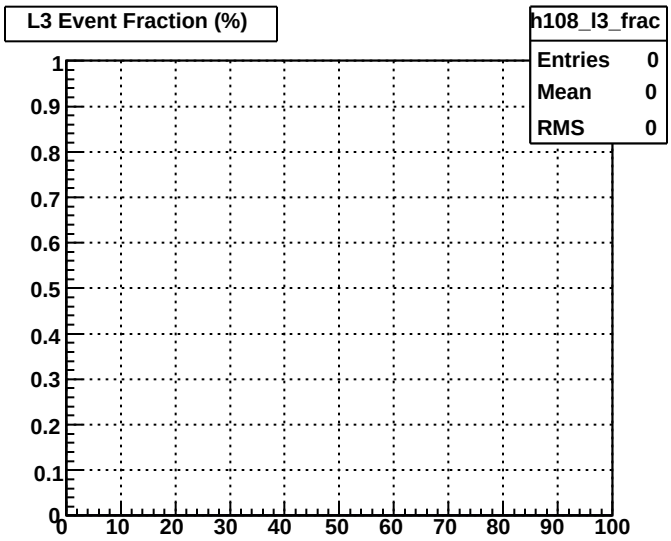

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

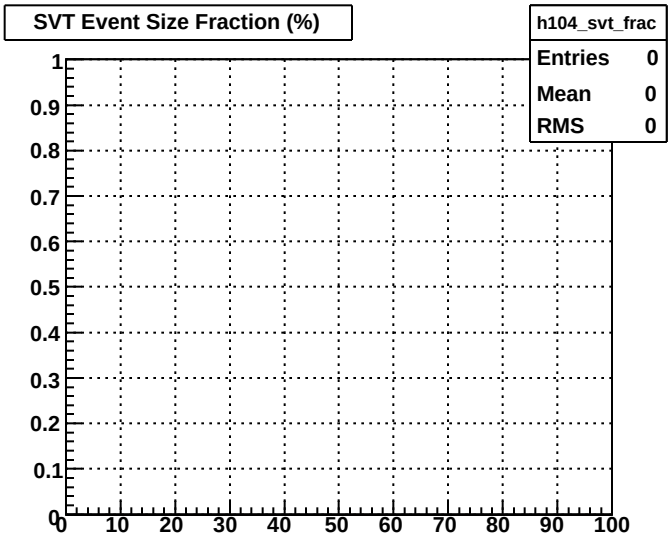

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

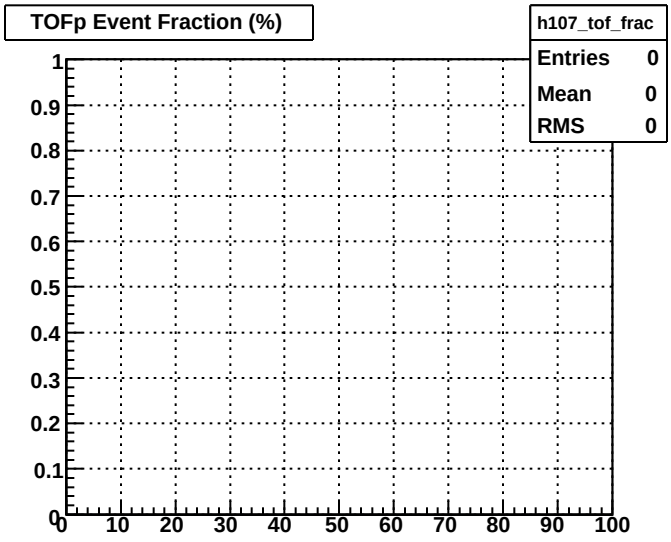

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

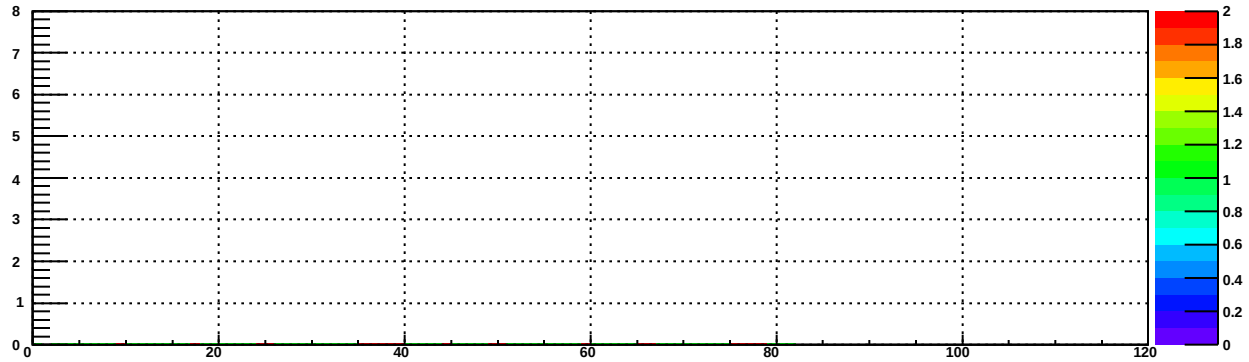

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

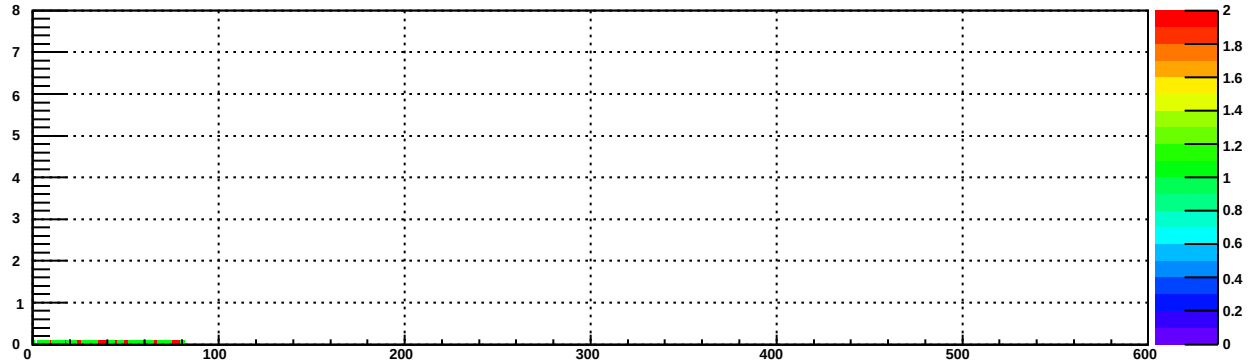

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

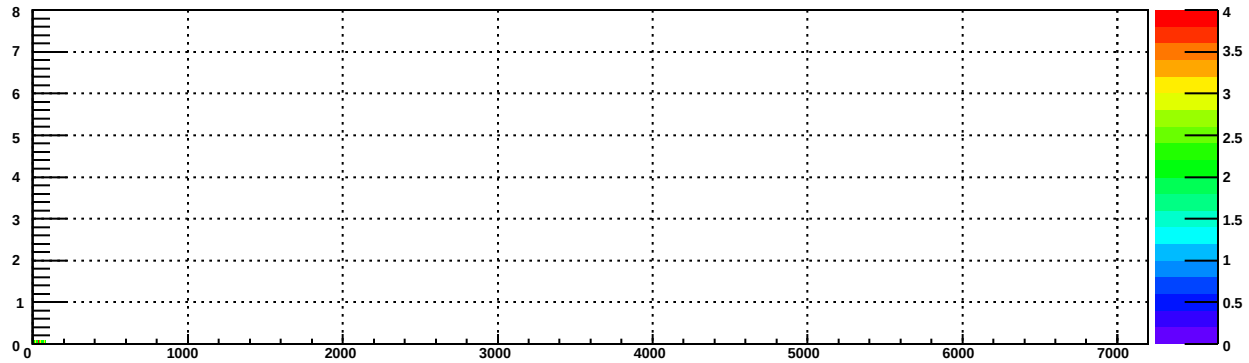
Event Size (Log10) vs time (sec)



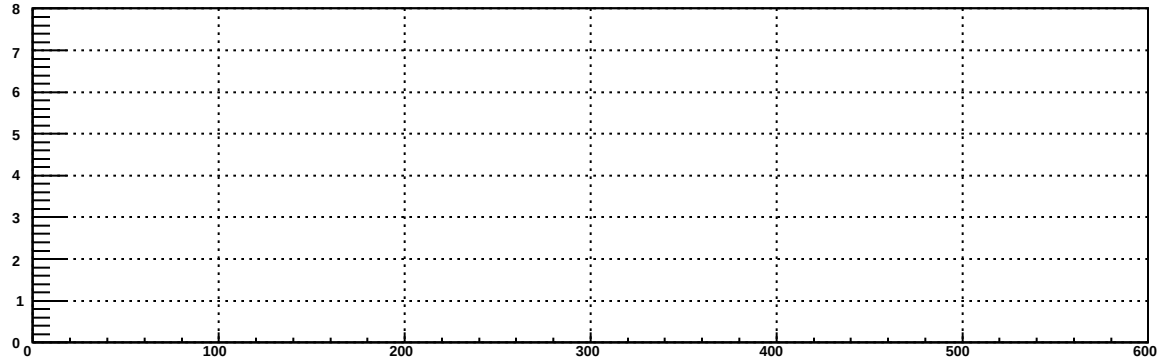
Event Size (Log10) vs time (sec)

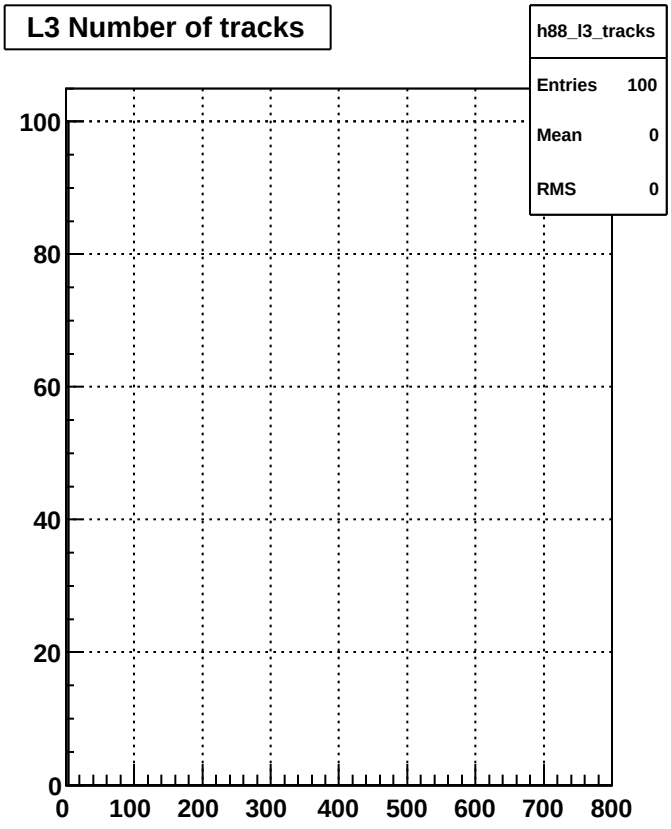


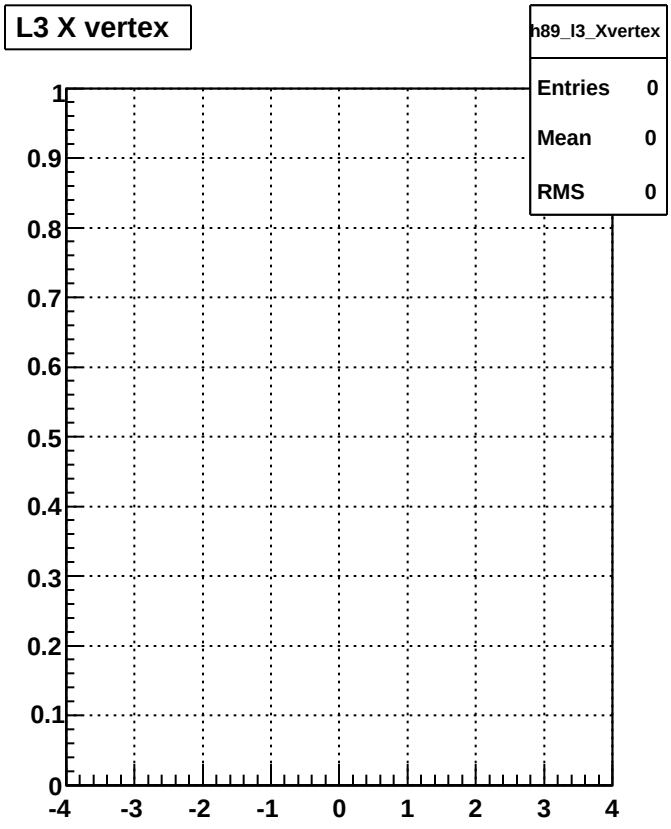
Event Size (Log10) vs time(sec)

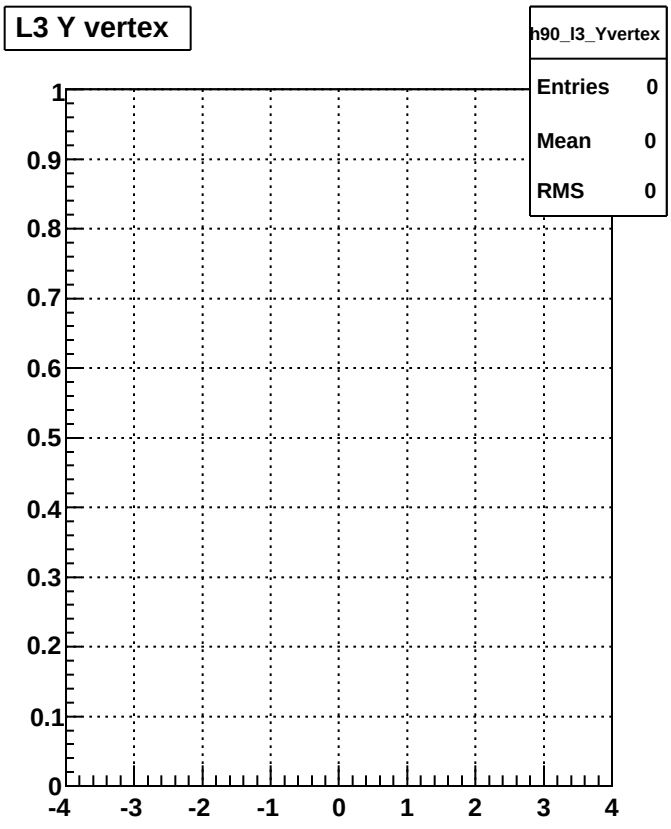


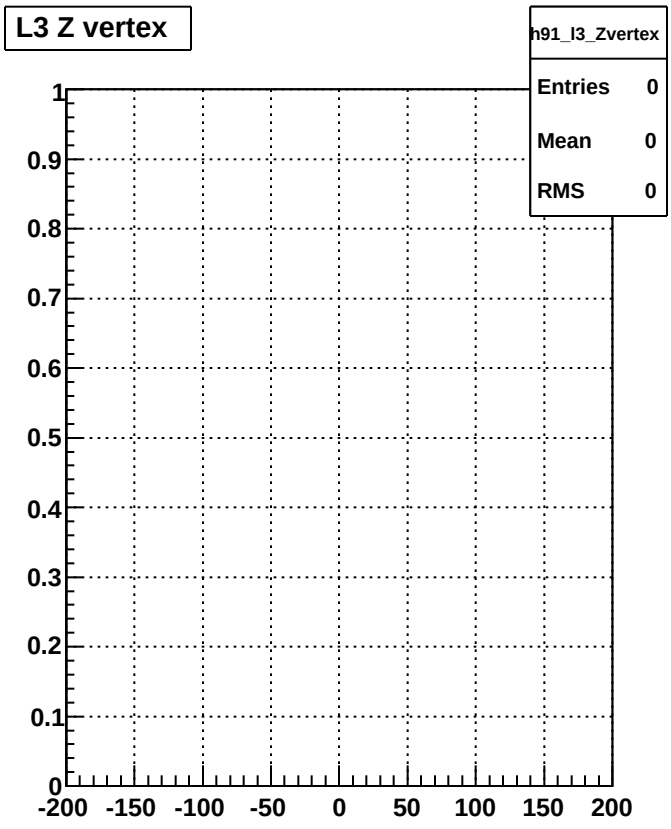
FTPC Event Size vs time(sec)



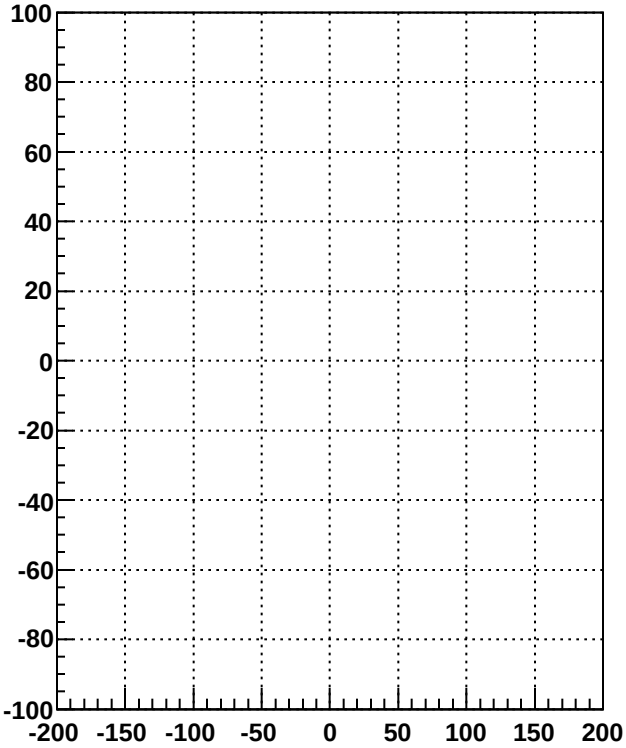

L3 Number of tracks
h88_l3_tracks
Entries 100
Mean 0
RMS 0
100
80
60
40
20
0
0 100 200 300 400 500 600 700 800


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

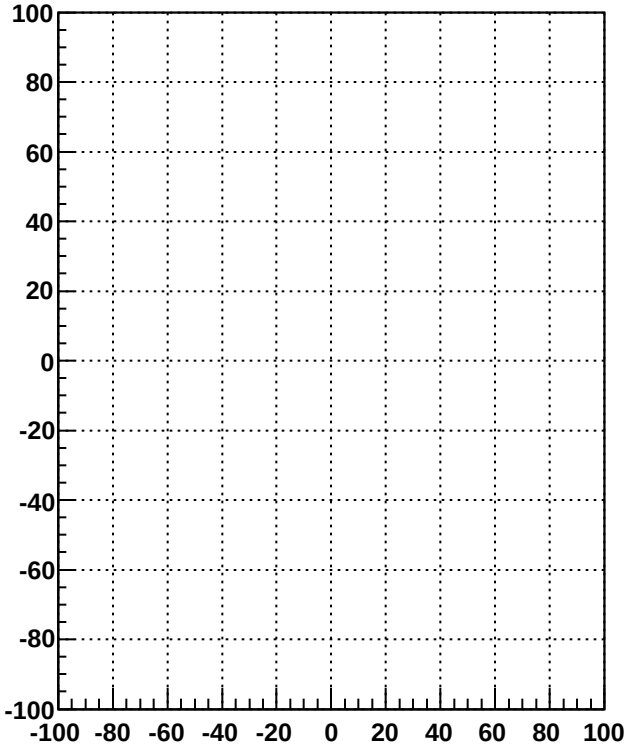

L3 Y vertex
h90_l3_Yvertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-4 -3 -2 -1 0 1 2 3 4


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

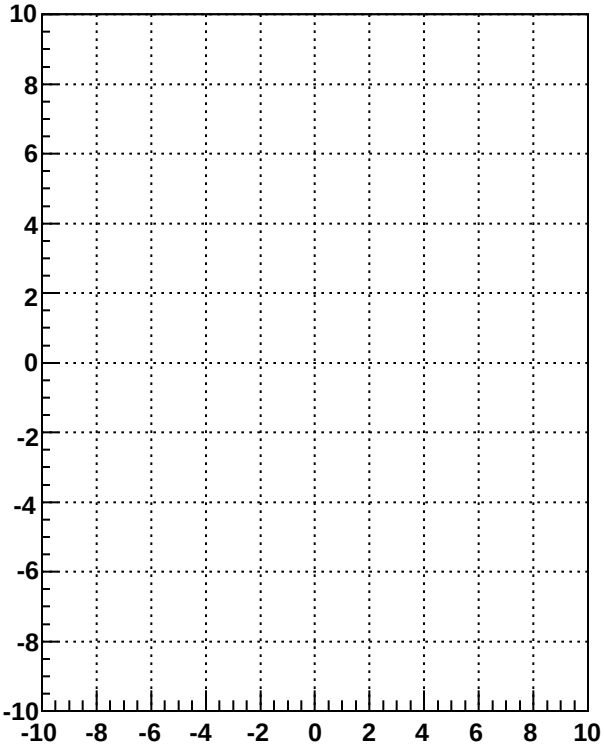
ZDC Vertex vs L3 Vertex



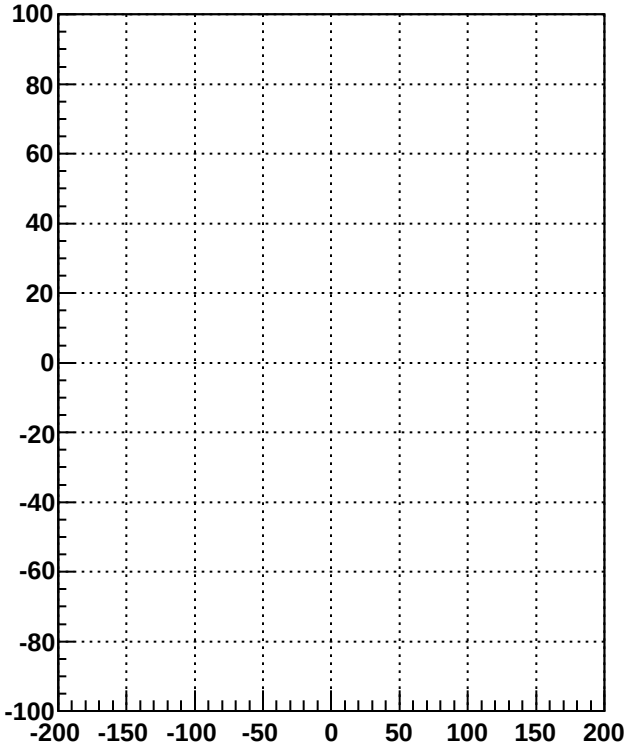
BBC Vertex vs L3 Vertex

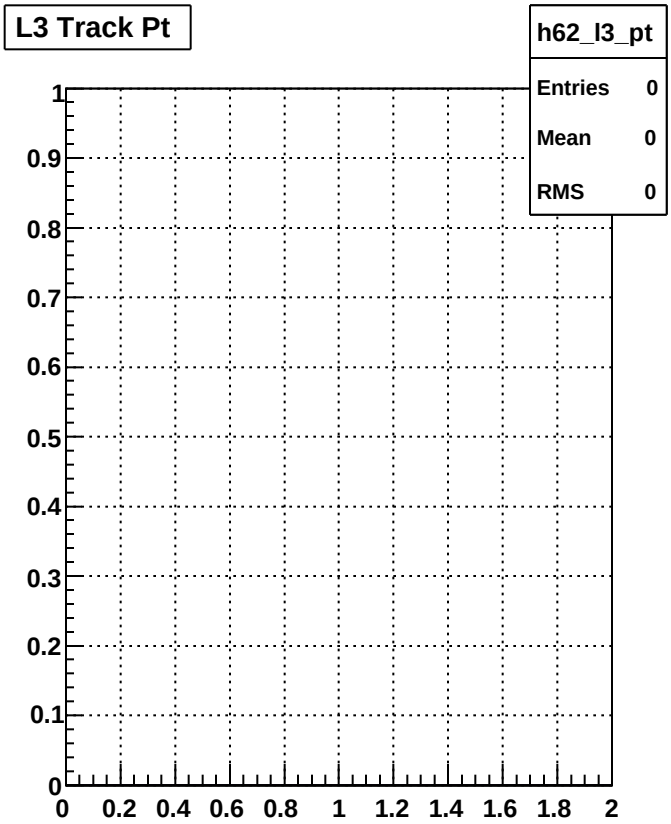


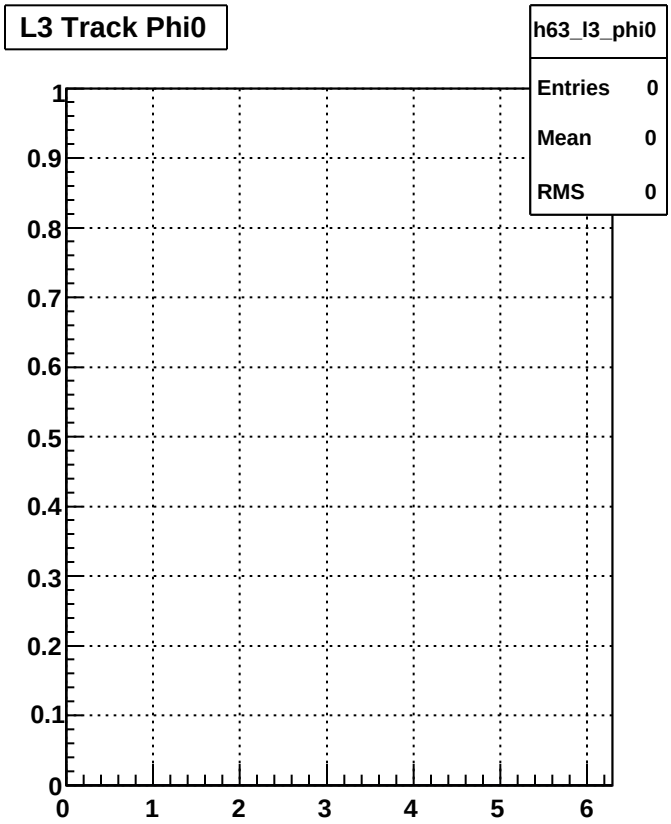
L3 Vertex Y vs X

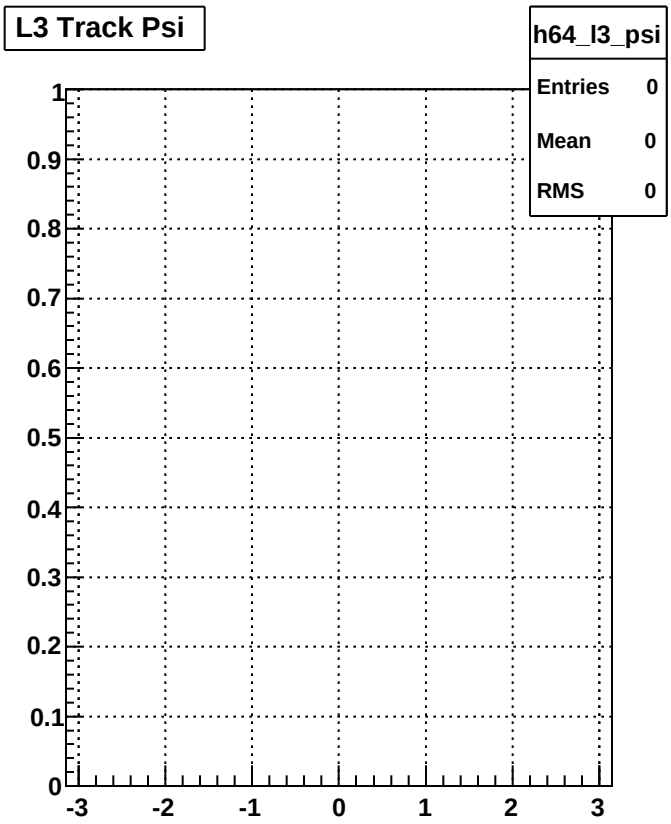


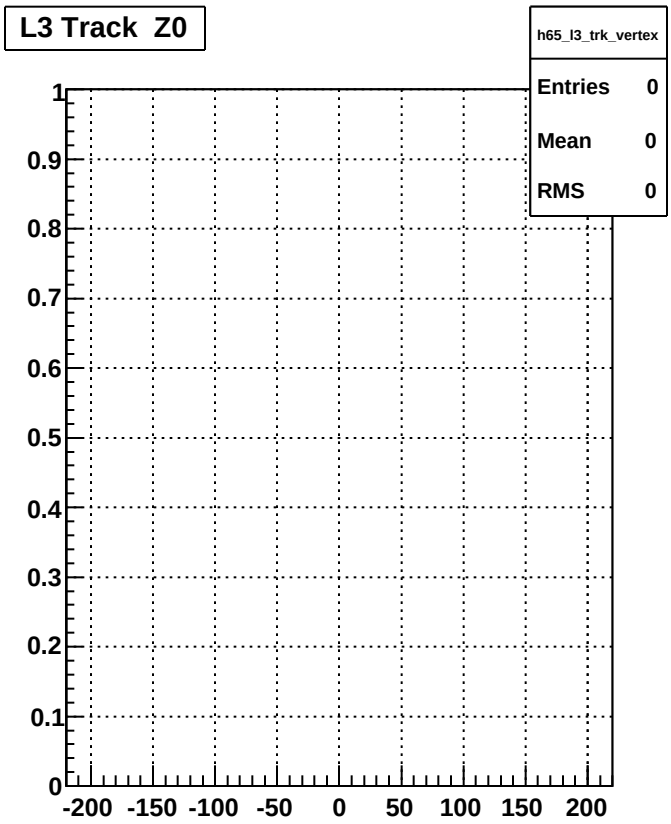
L3 Vertex-Z vs ZDC Timing difference

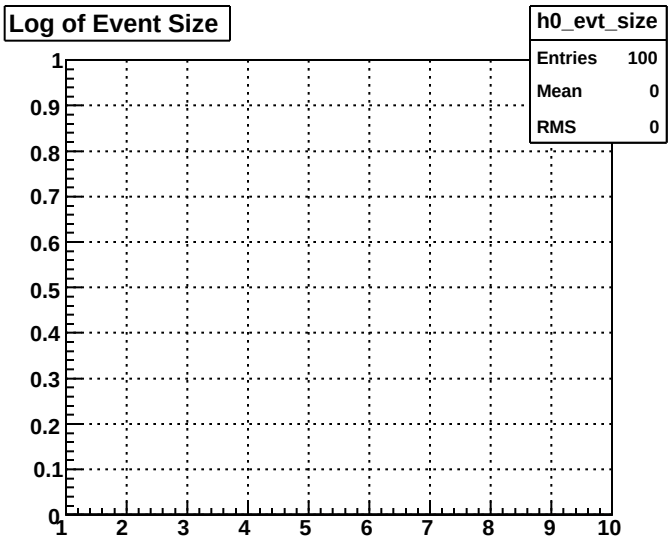


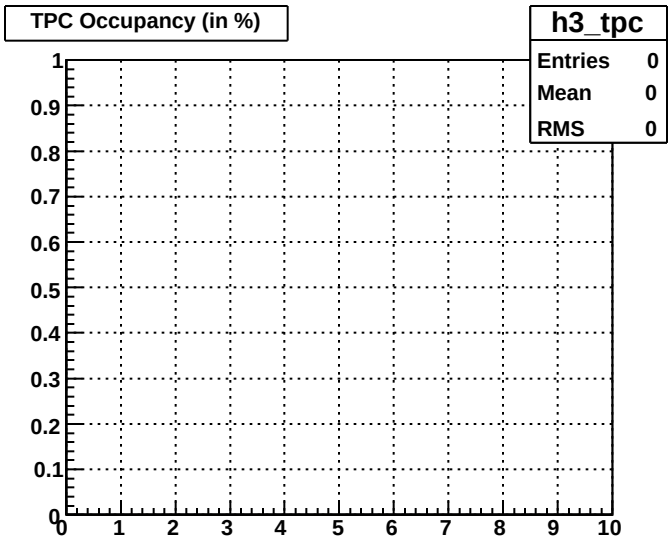

L3 Track Pt
h62_l3_pt
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

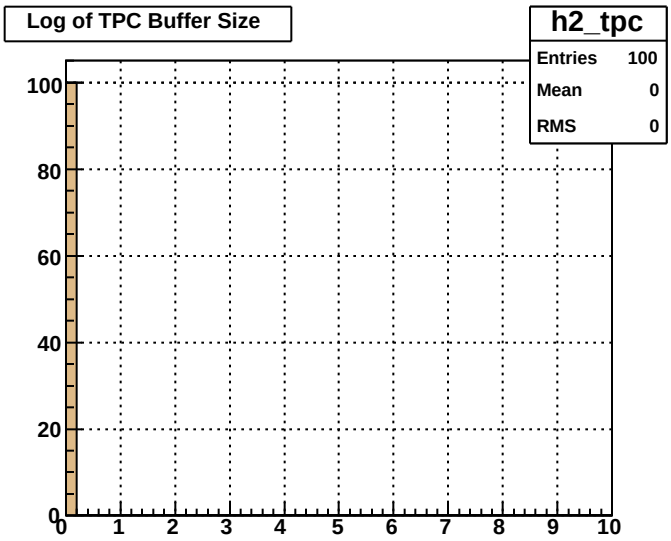

L3 Track Phi0
h63_l3_phi0
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6

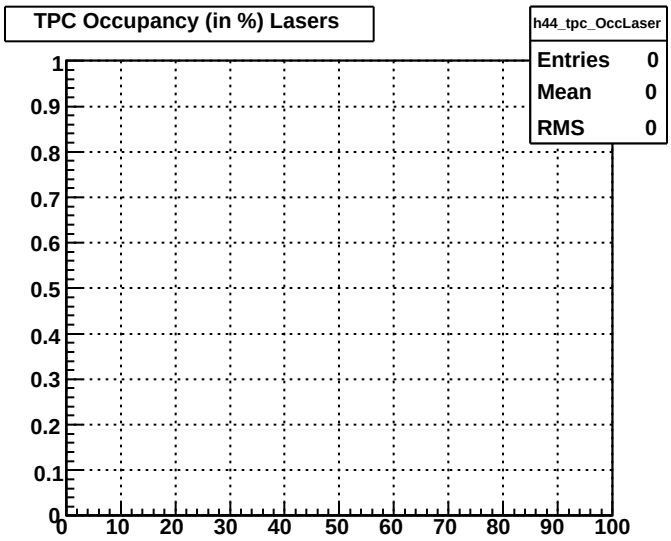

L3 Track Psi
h64_l3_psi
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-3 -2 -1 0 1 2 3

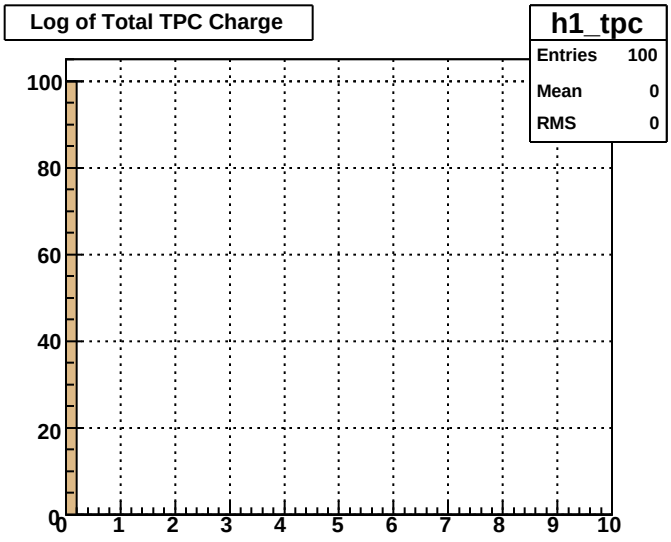

L3 Track Z0
h65_l3_trk_vertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-200 -150 -100 -50 0 50 100 150 200

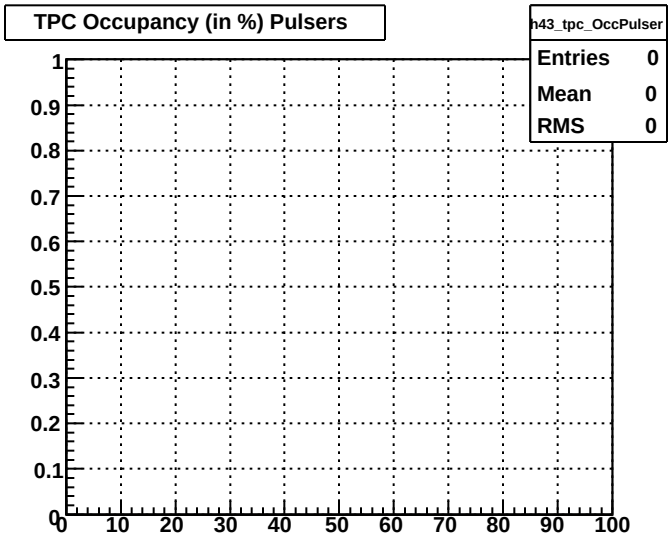

Log of Event Size
h0_evt_size
Entries 100
Mean 0
RMS 0


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

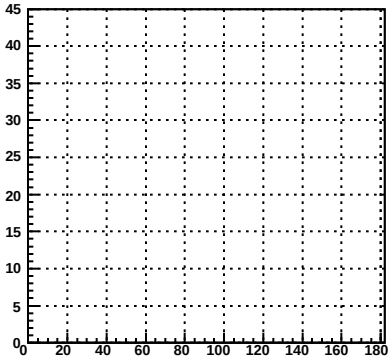

Log of TPC Buffer Size
h2_tpc
Entries 100
Mean 0
RMS 0


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

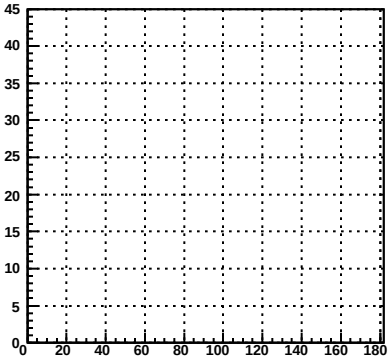

Log of Total TPC Charge
h1_tpc
Entries 100
Mean 0
RMS 0


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

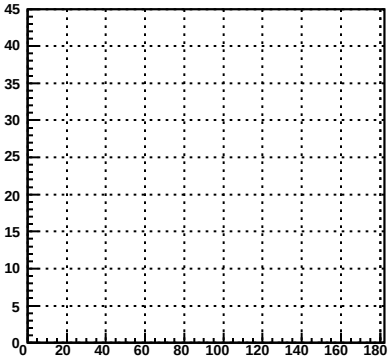
Sec. 1 charge per pad



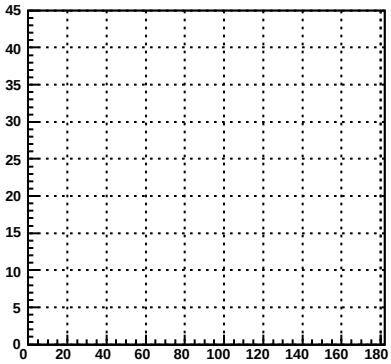
Sec. 2 charge per pad



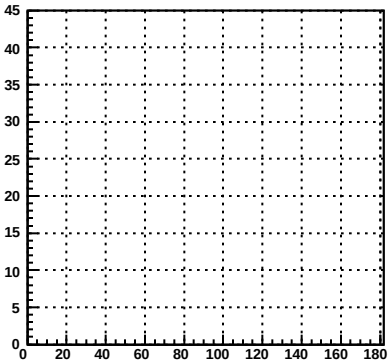
Sec. 3 charge per pad



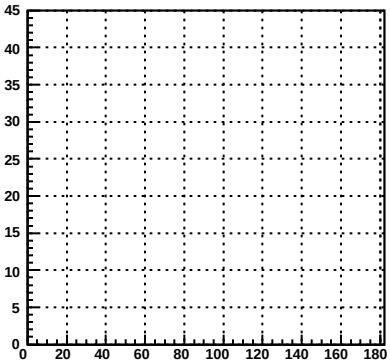
Sec. 4 charge per pad



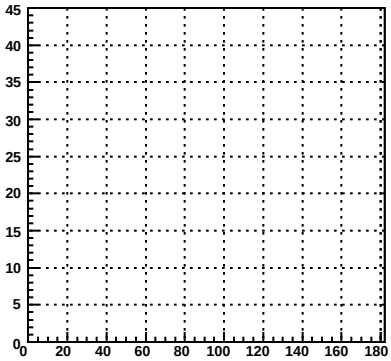
Sec. 5 charge per pad



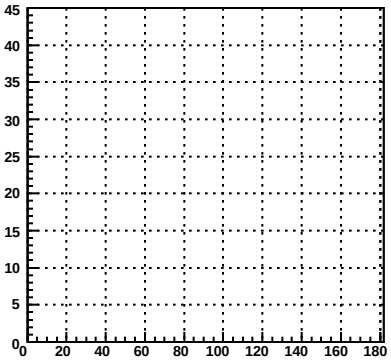
Sec. 6 charge per pad



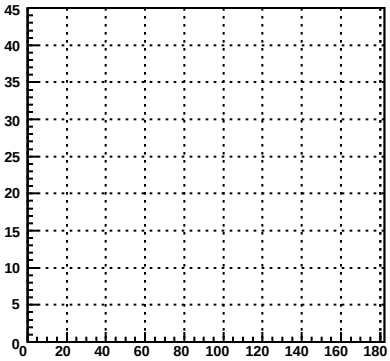
Sec. 7 charge per pad



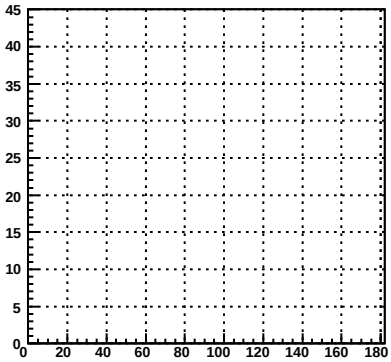
Sec. 8 charge per pad



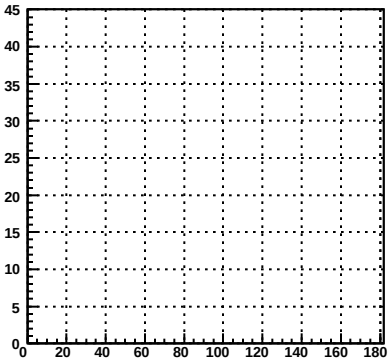
Sec. 9 charge per pad



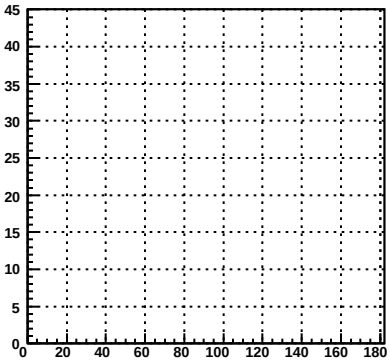
Sec. 10 charge per pad



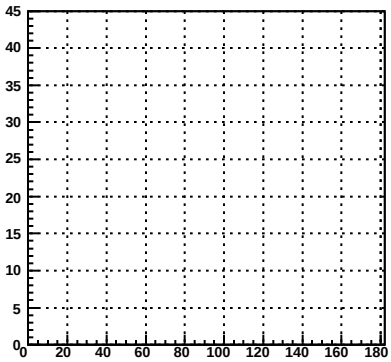
Sec. 11 charge per pad



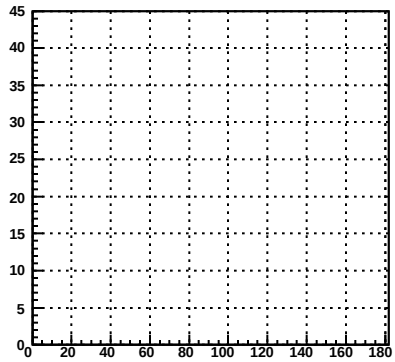
Sec. 12 charge per pad



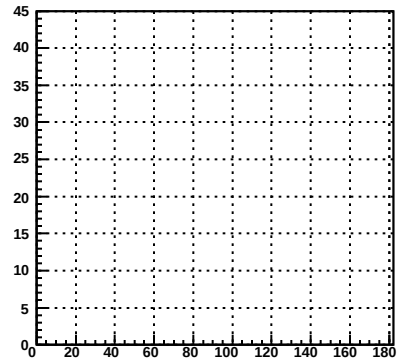
Sec. 13 charge per pad



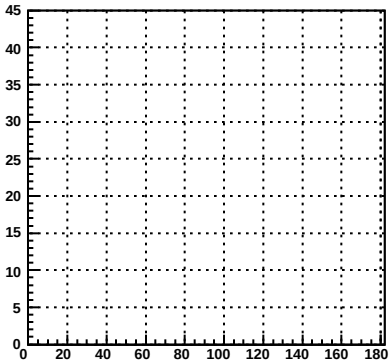
Sec. 14 charge per pad



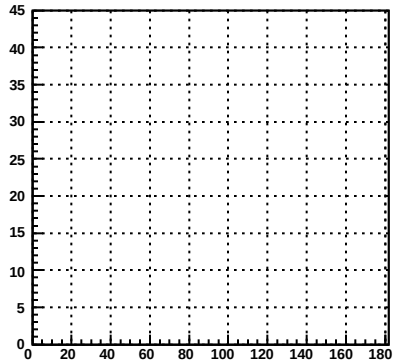
Sec. 15 charge per pad



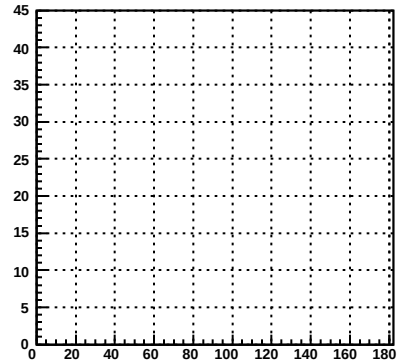
Sec. 16 charge per pad



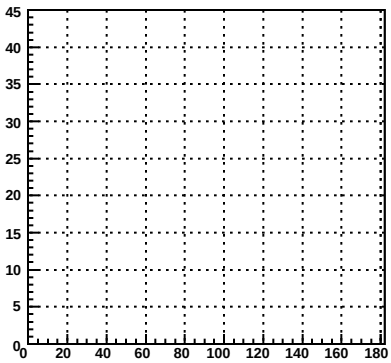
Sec. 17 charge per pad



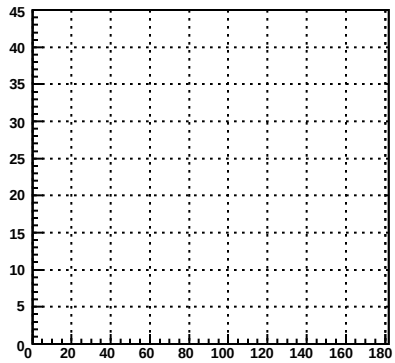
Sec. 18 charge per pad



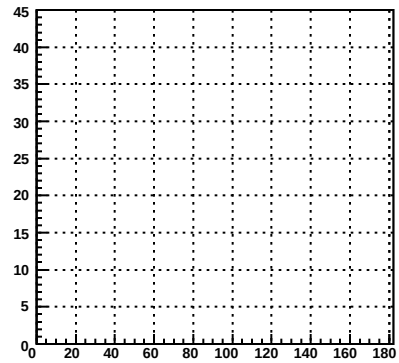
Sec. 19 charge per pad



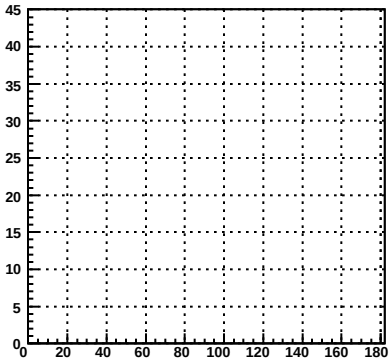
Sec. 20 charge per pad



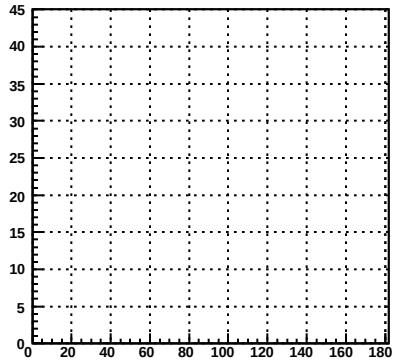
Sec. 21 charge per pad



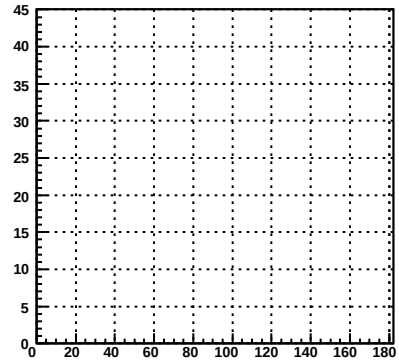
Sec. 22 charge per pad

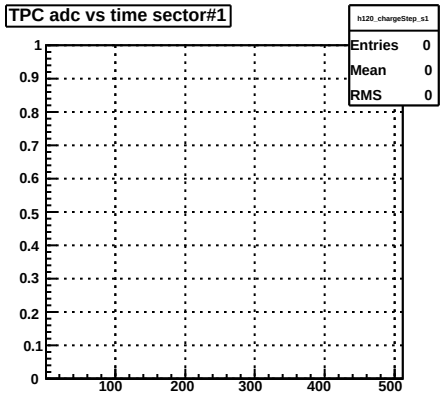


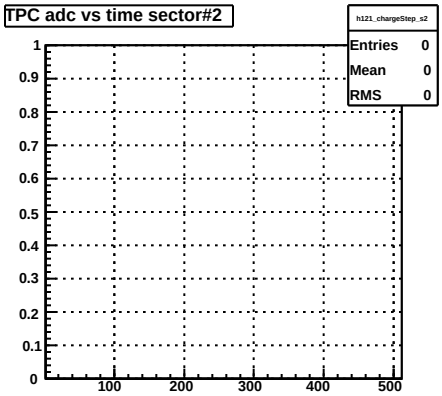
Sec. 23 charge per pad

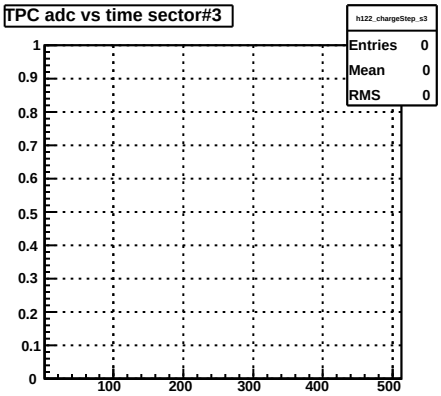


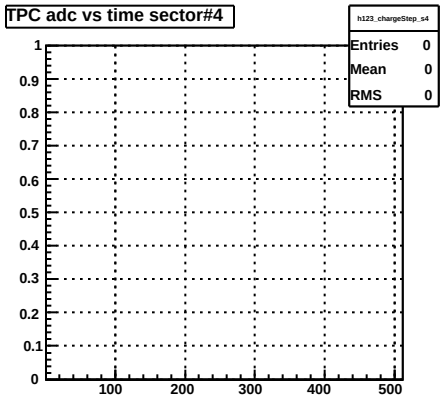
Sec. 24 charge per pad

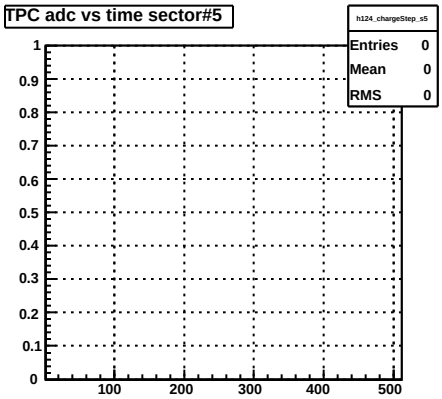


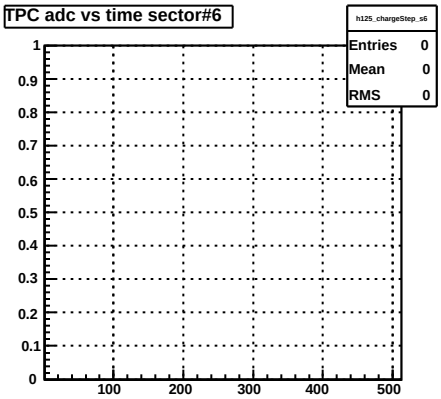

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 0
Mean 0
RMS 0

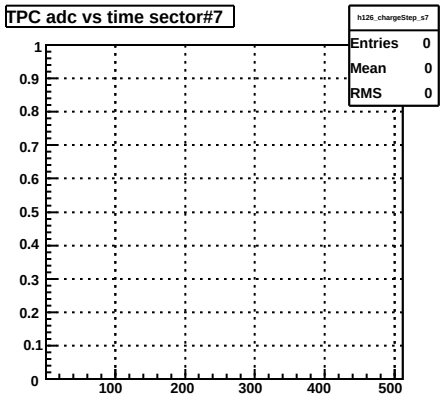

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 0
Mean 0
RMS 0

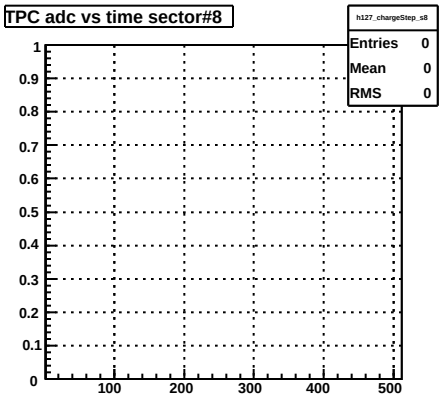

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 0
Mean 0
RMS 0

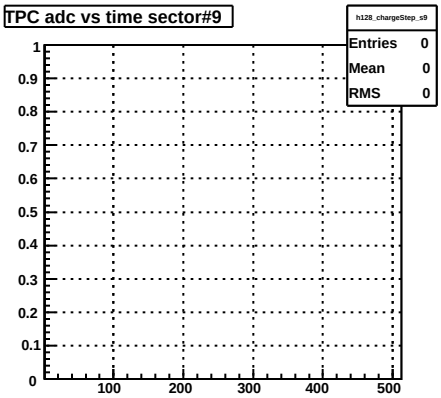

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 0
Mean 0
RMS 0

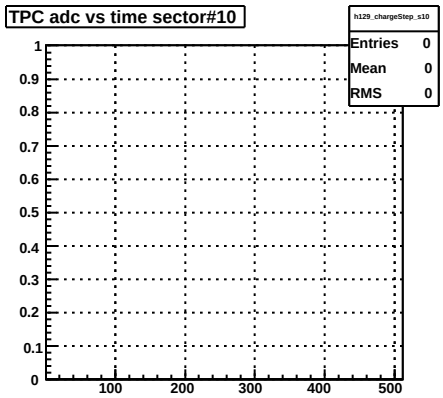

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 0
Mean 0
RMS 0

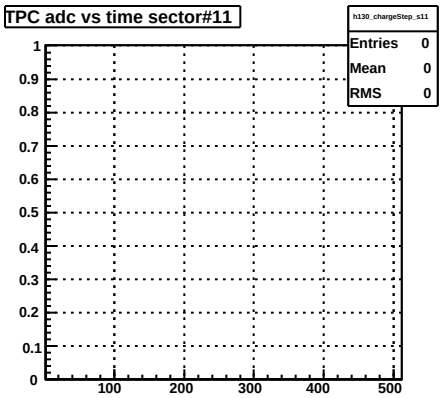

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 0
Mean 0
RMS 0

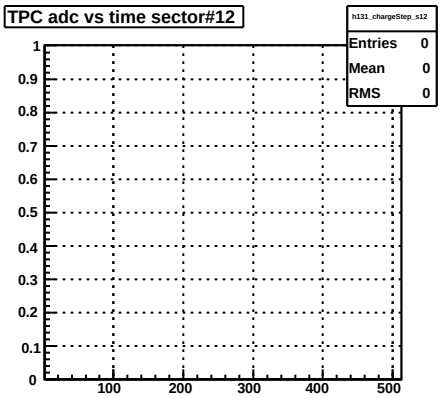

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 0
Mean 0
RMS 0

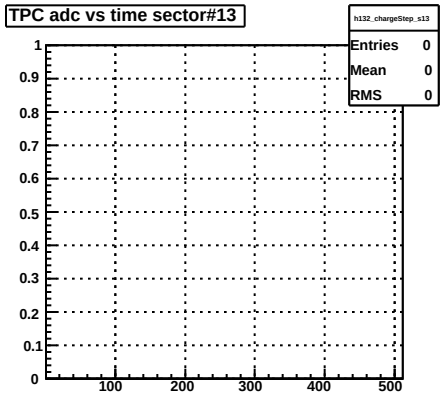

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 0
Mean 0
RMS 0

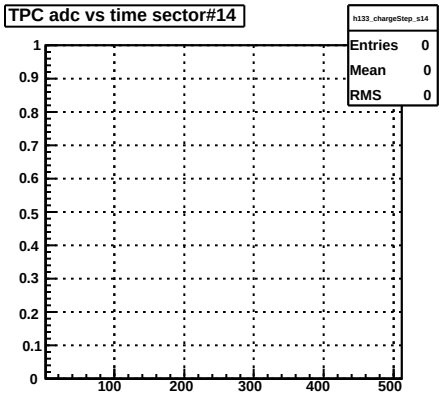

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 0
Mean 0
RMS 0

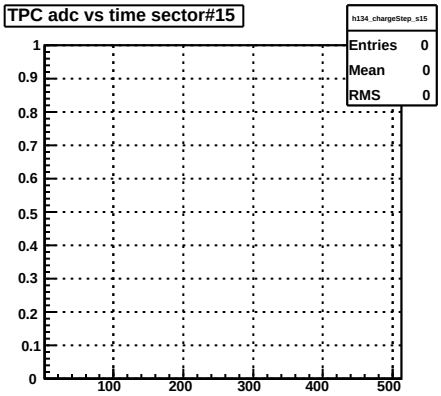

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 0
Mean 0
RMS 0

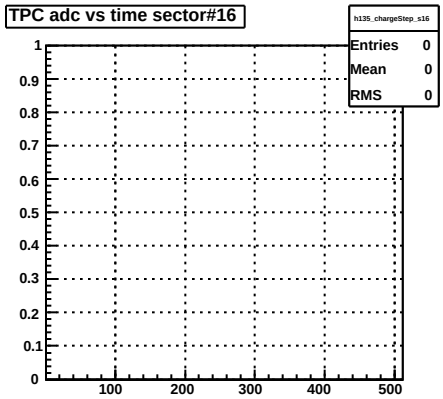

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 0
Mean 0
RMS 0

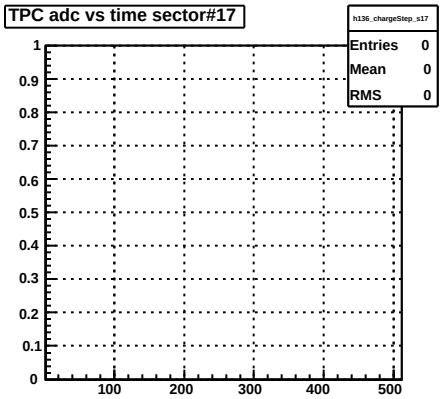

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 0
Mean 0
RMS 0

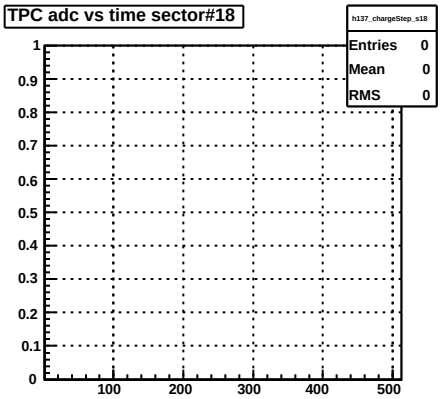

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 0
Mean 0
RMS 0

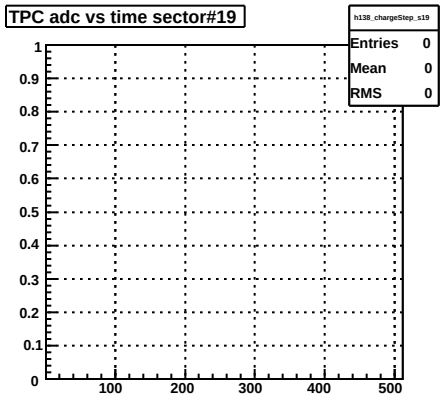

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 0
Mean 0
RMS 0

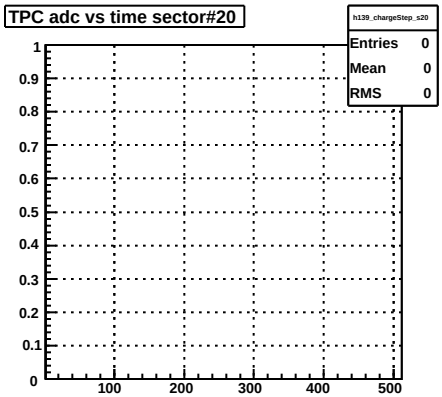

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 0
Mean 0
RMS 0

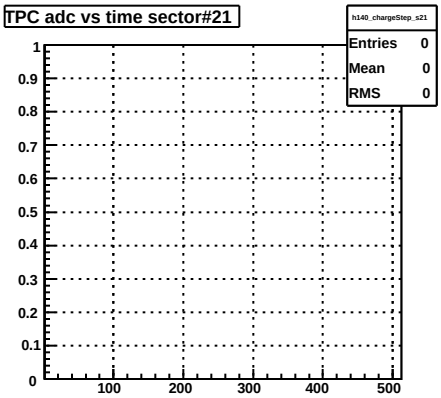

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 0
Mean 0
RMS 0

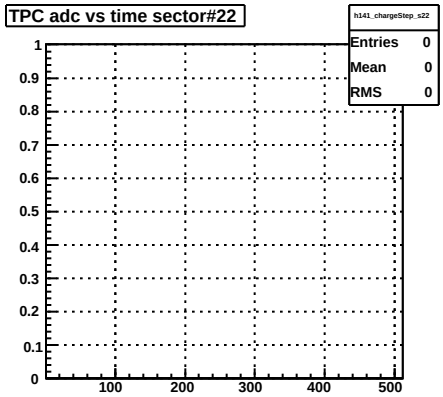

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 0
Mean 0
RMS 0

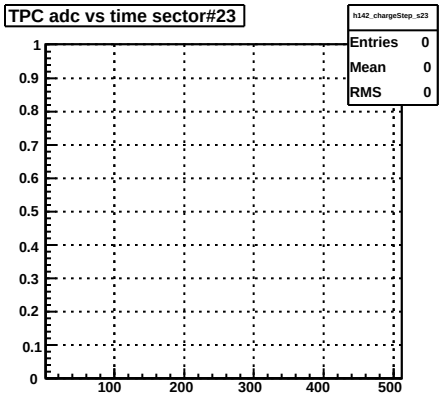

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 0
Mean 0
RMS 0

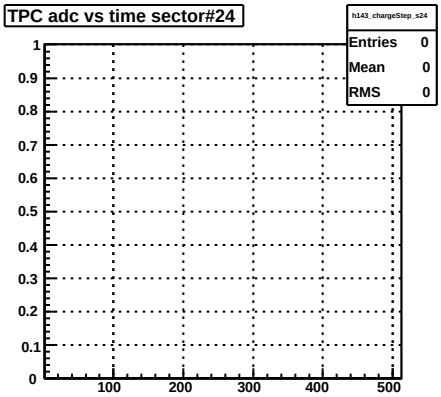

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 0
Mean 0
RMS 0

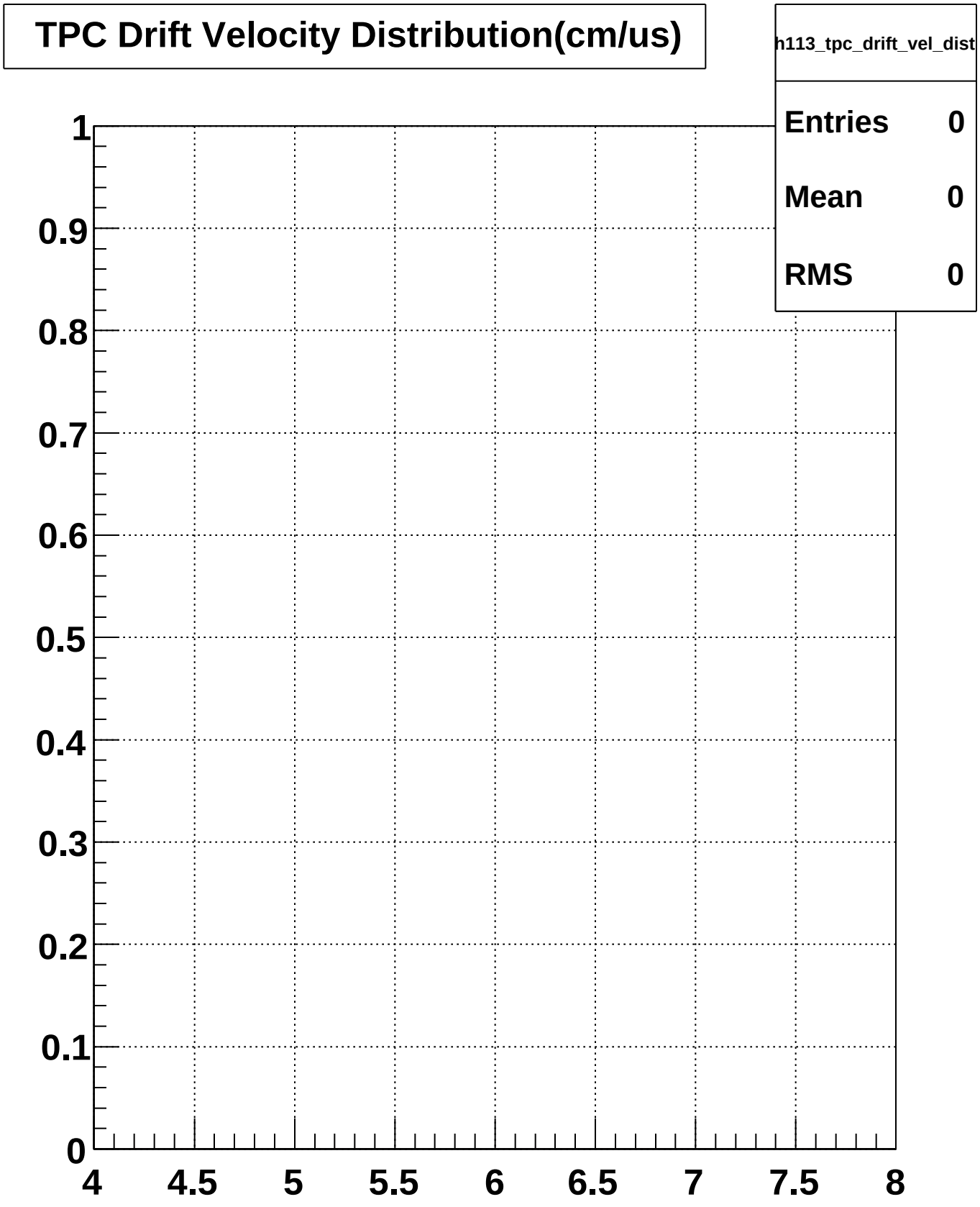

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 0
Mean 0
RMS 0

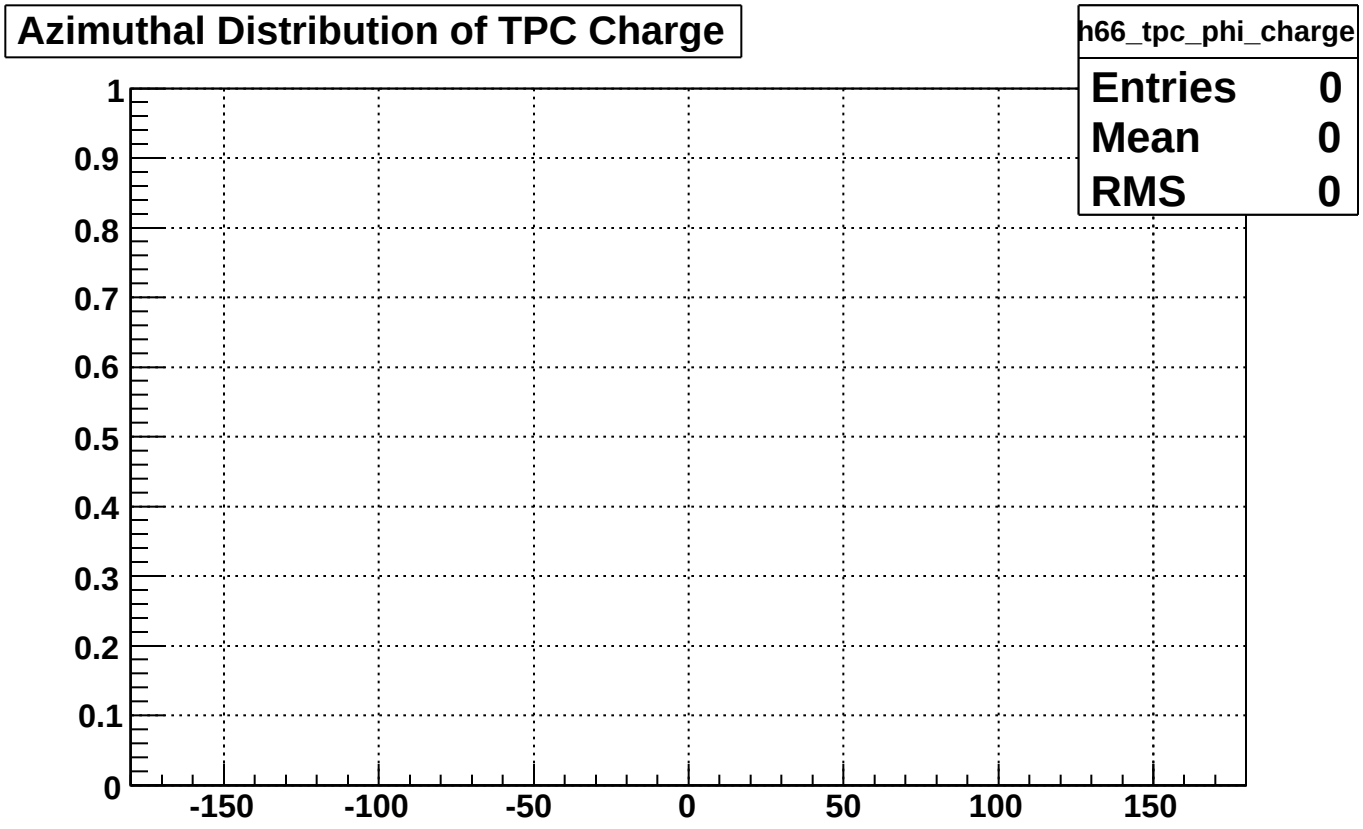

TPC adc vs time sector#21
h140_chargeStep_s21
Entries 0
Mean 0
RMS 0

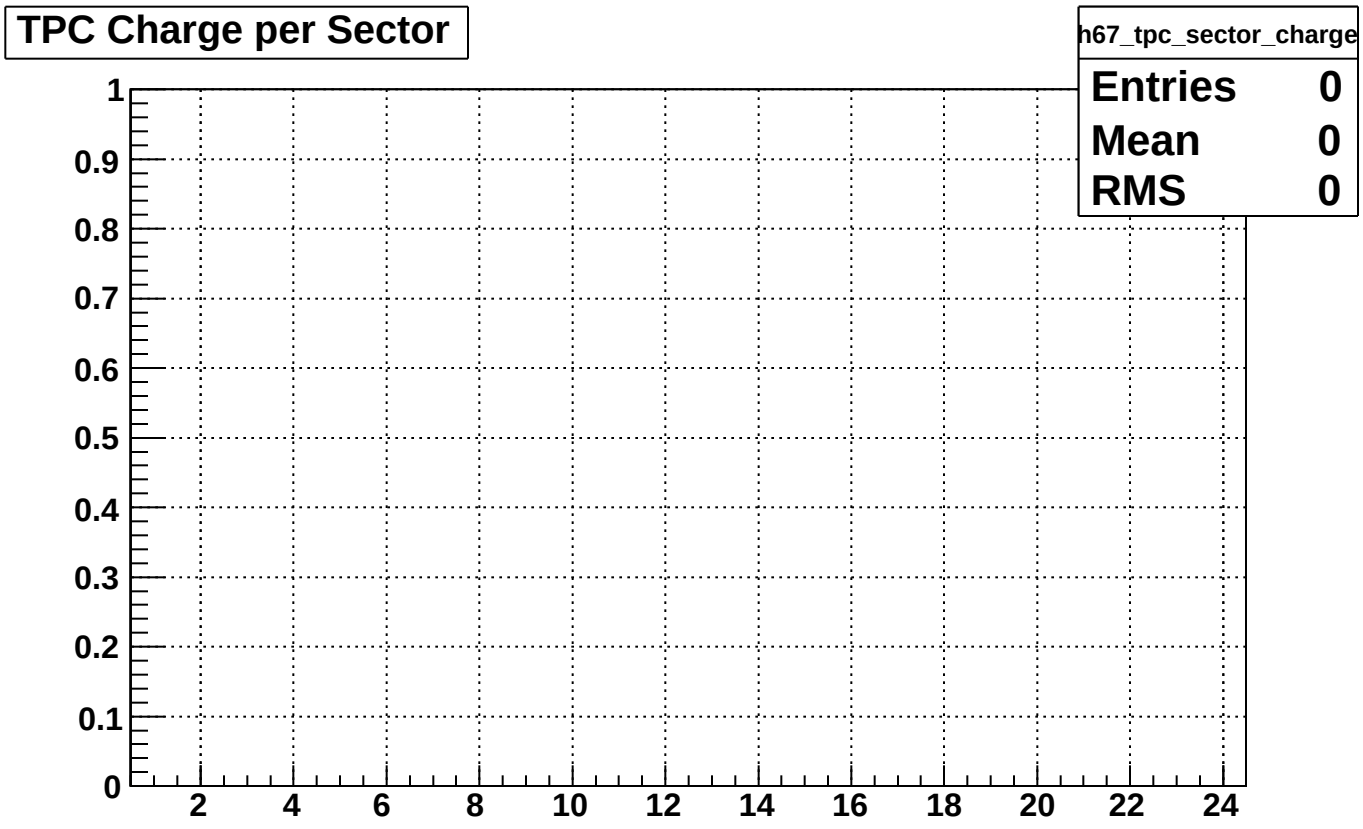

TPC adc vs time sector#22
h141_chargeStep_s22
Entries 0
Mean 0
RMS 0

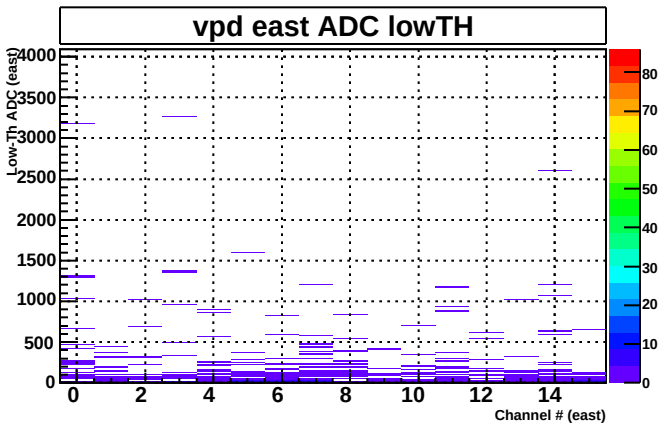

TPC adc vs time sector#23
h142_chargeStep_s23
Entries 0
Mean 0
RMS 0

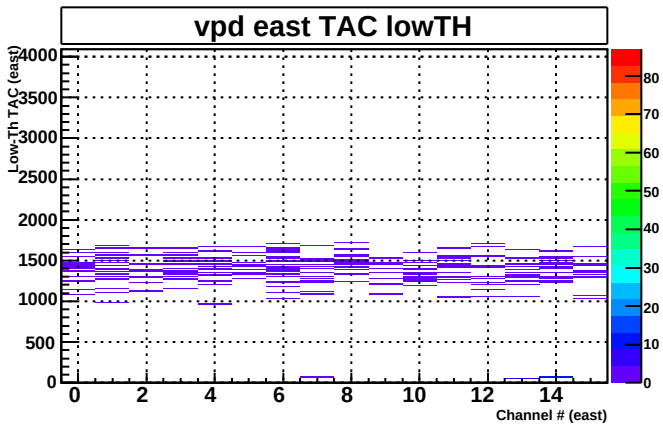

TPC adc vs time sector#24
h143_chargeStep_s24
Entries 0
Mean 0
RMS 0

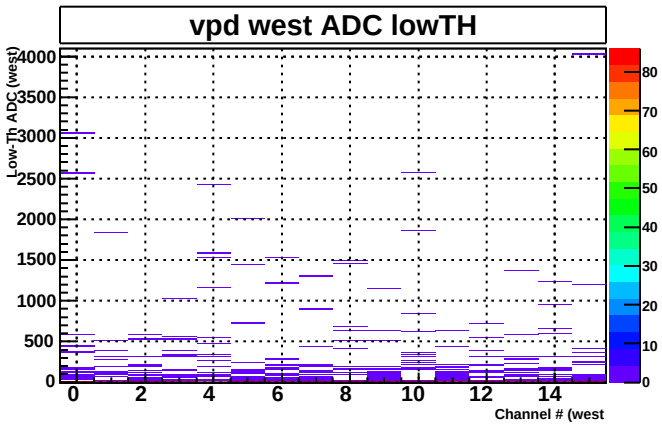

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4
4.5
5
5.5
6
6.5
7
7.5
8

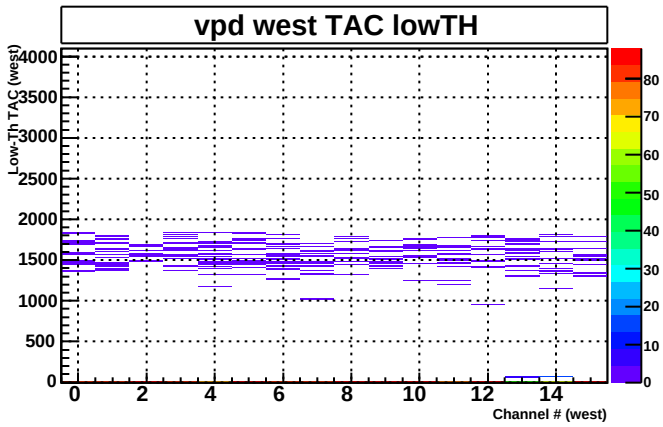

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-150
-100
-50
0
50
100
150

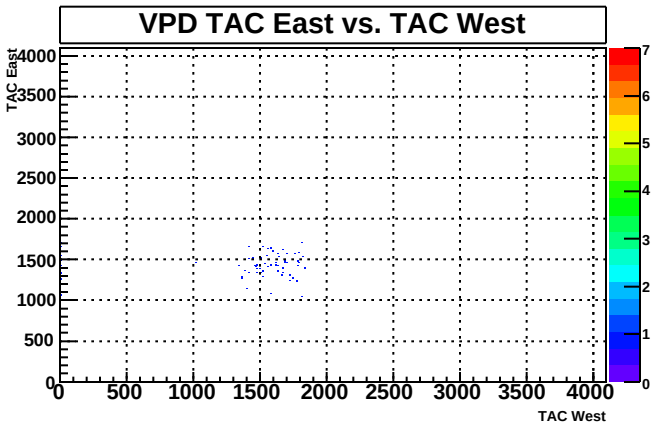

TPC Charge per Sector
h67_tpc_sector_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2
4
6
8
10
12
14
16
18
20
22
24

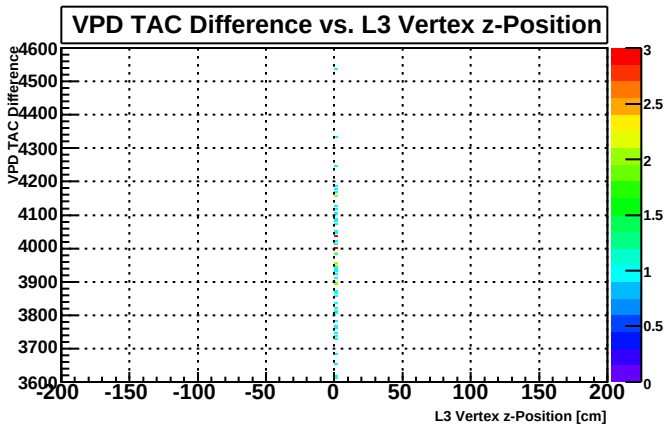

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

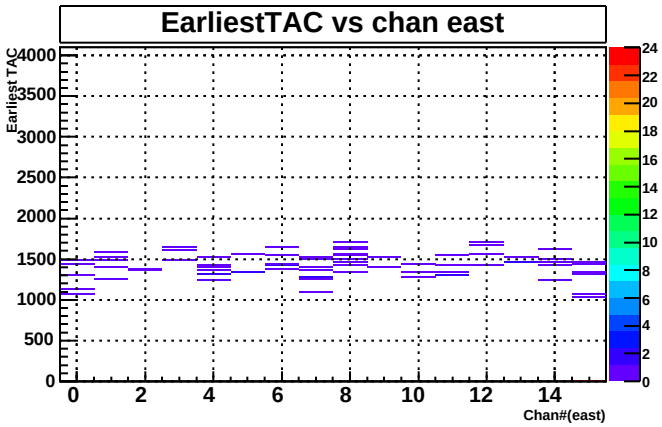

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

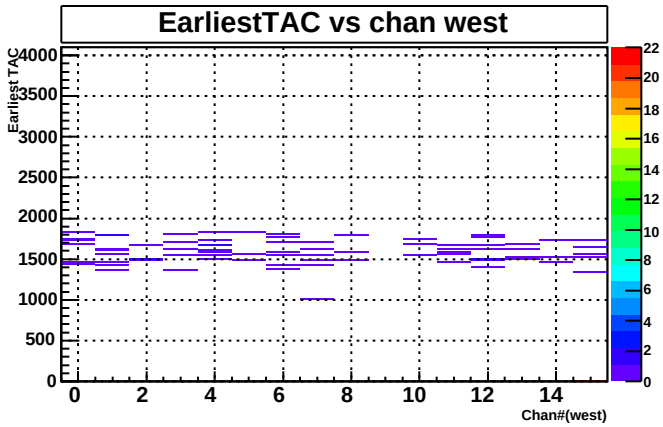

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

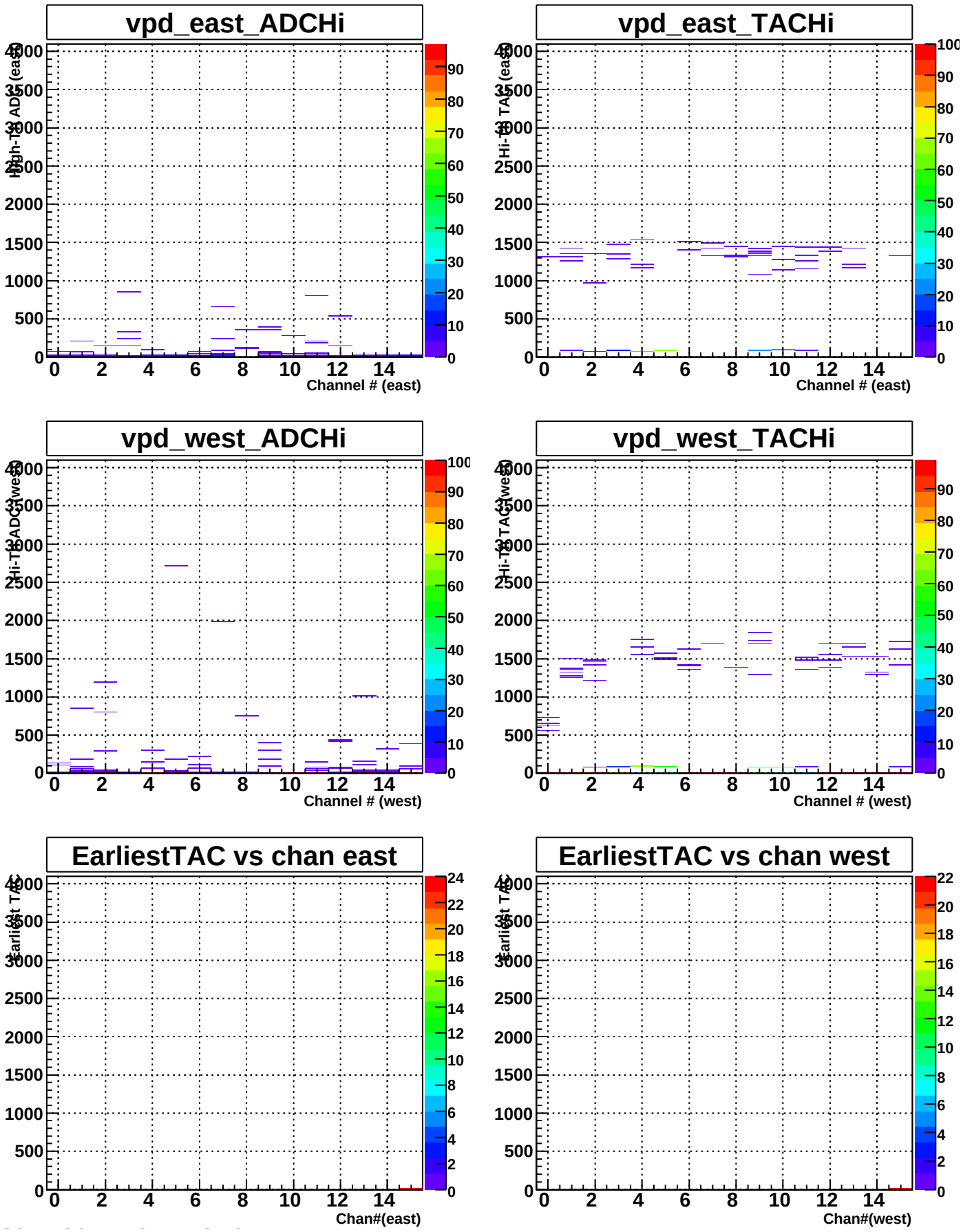

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

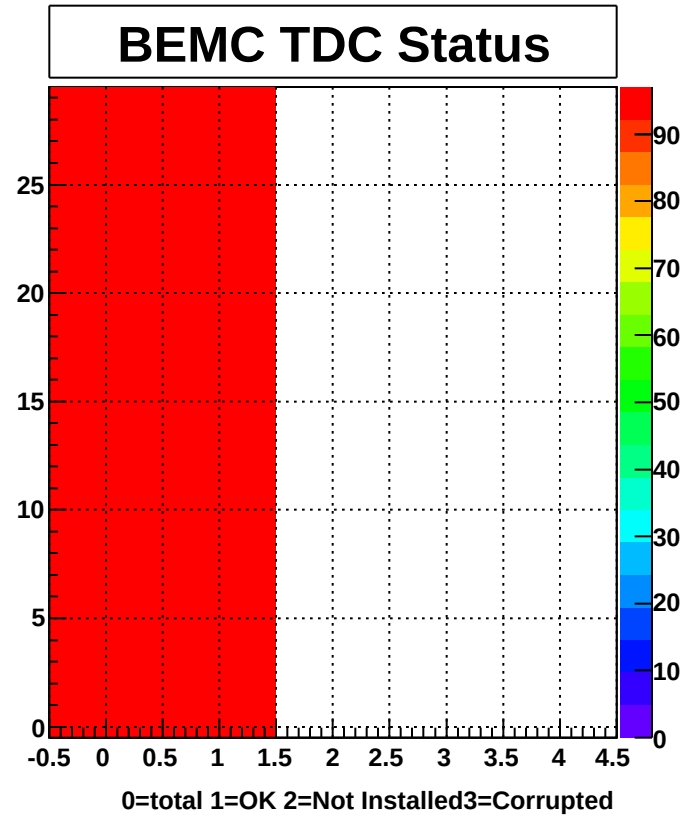

VPD TAC East vs. TAC West
TAC East
TAC West

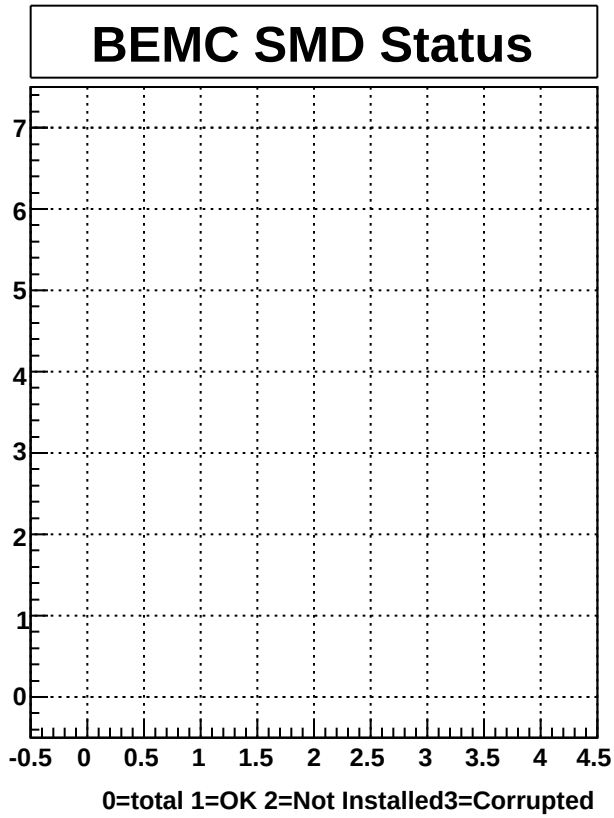

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

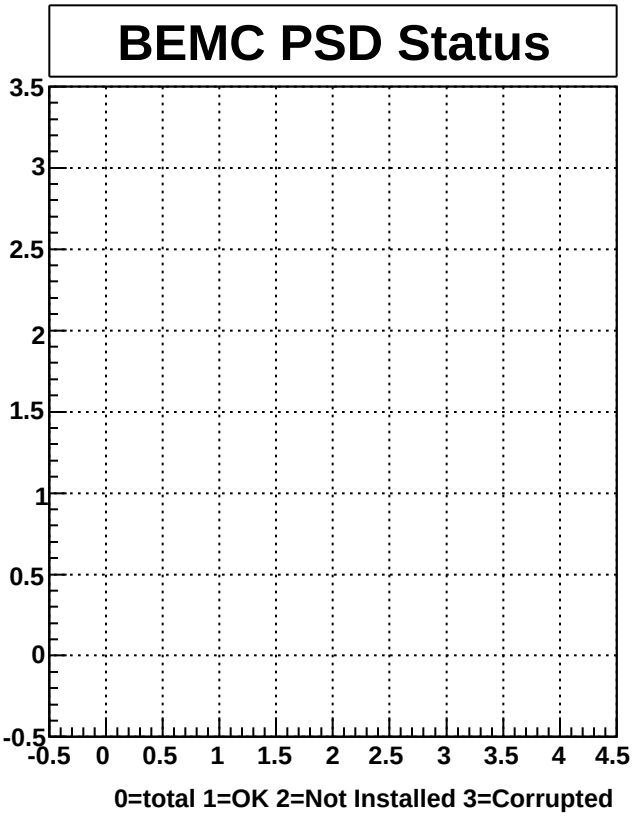

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

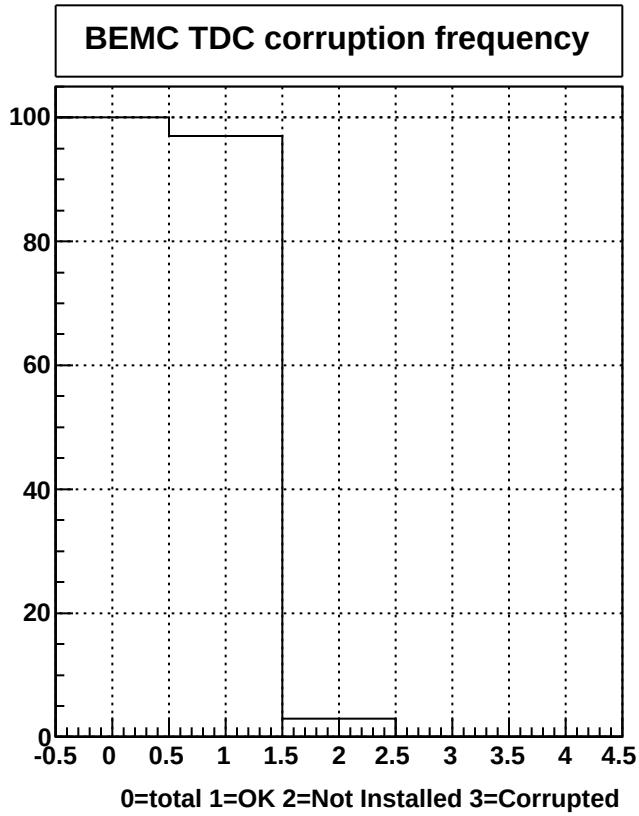

EarliestTAC vs chan west
Earliest TAC
Chan#(west)


vpd_east_ADCHi
High-Hi ADC (east)
Channel # (east)
vpd_east_TACHi
Hi-Hi TAC (east)
Channel # (east)
vpd_west_ADCHi
Hi-Hi ADC (west)
Channel # (west)
vpd_west_TACHi
Hi-Hi TAC (west)
Channel # (west)
EarliestTAC vs chan east
Earliest TAC
Chan#(east)
EarliestTAC vs chan west
Earliest TAC
Chan#(west)









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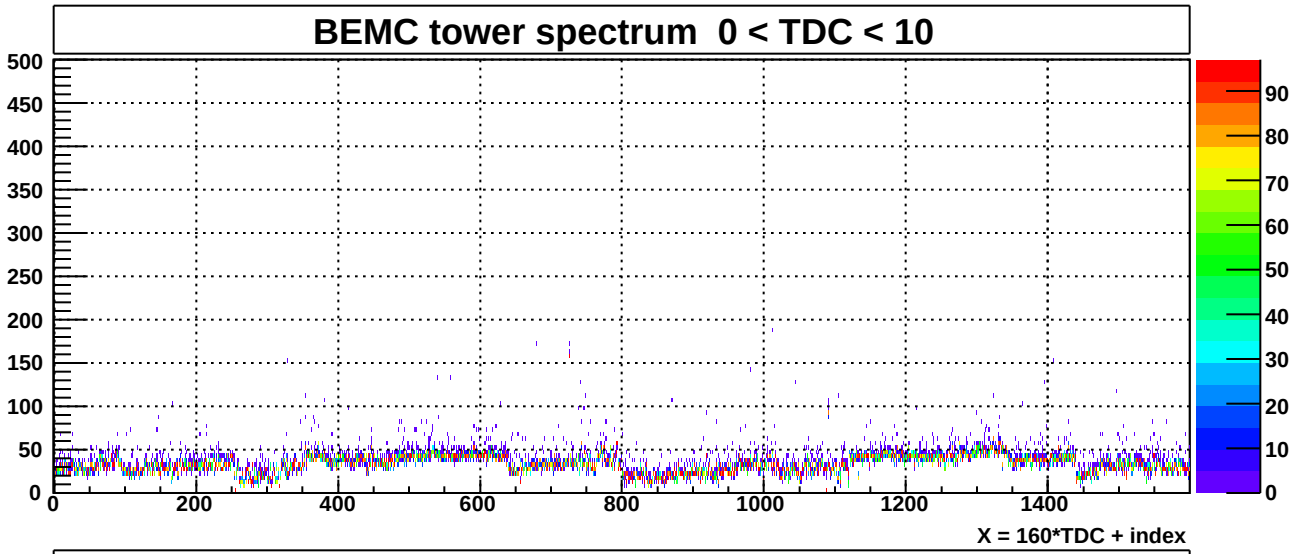

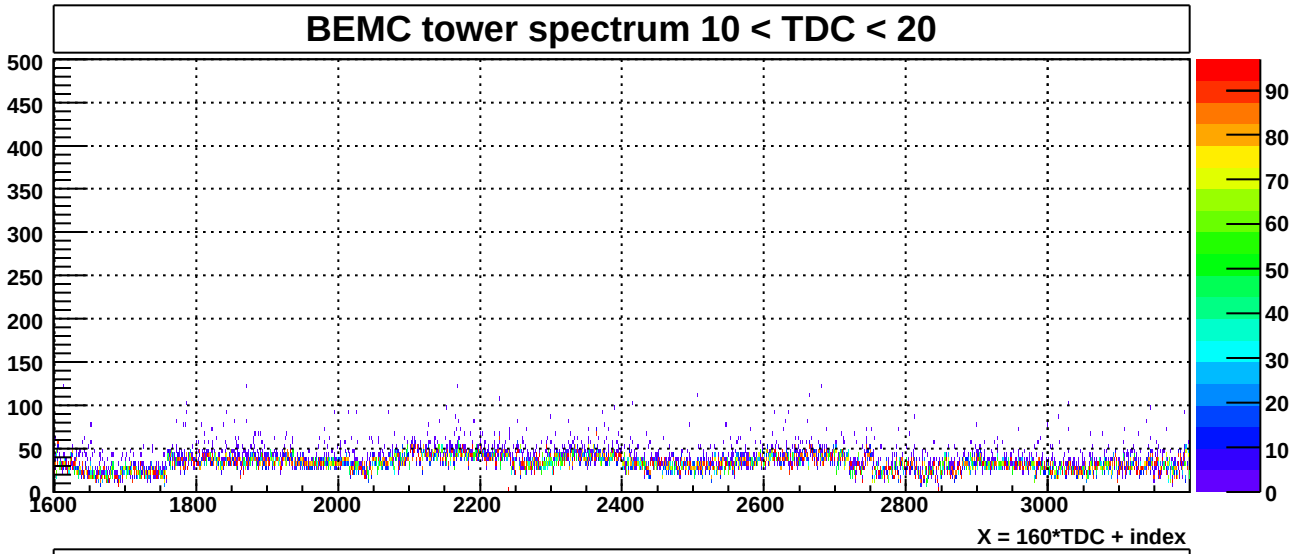

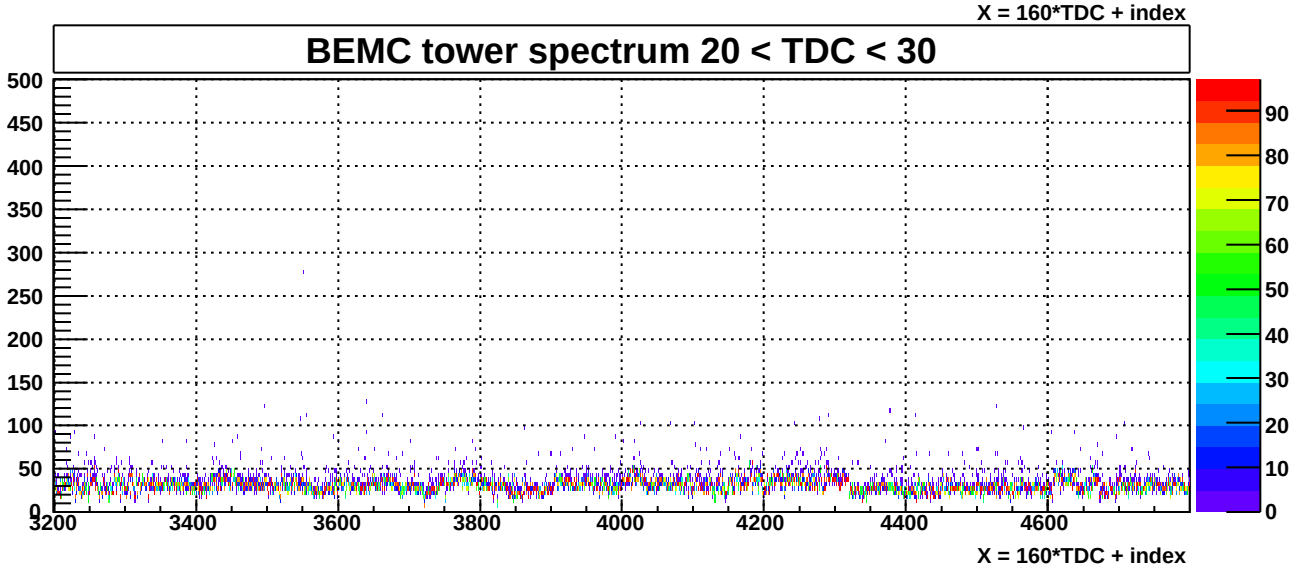

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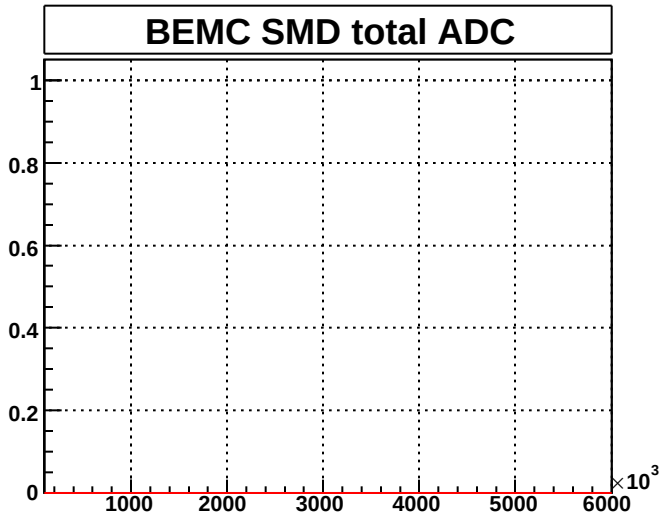

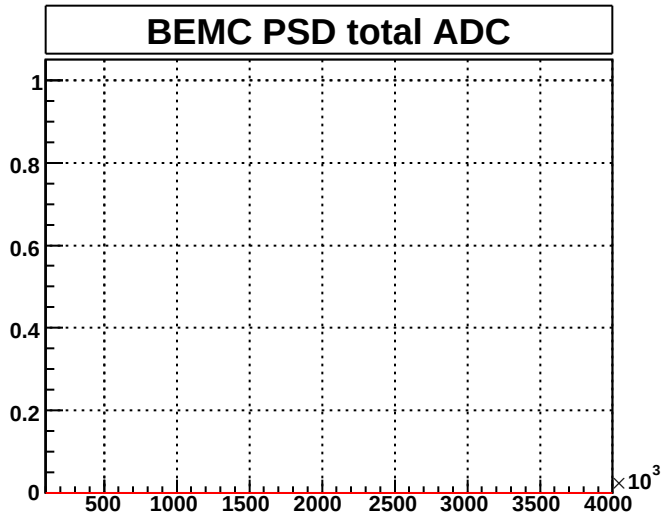

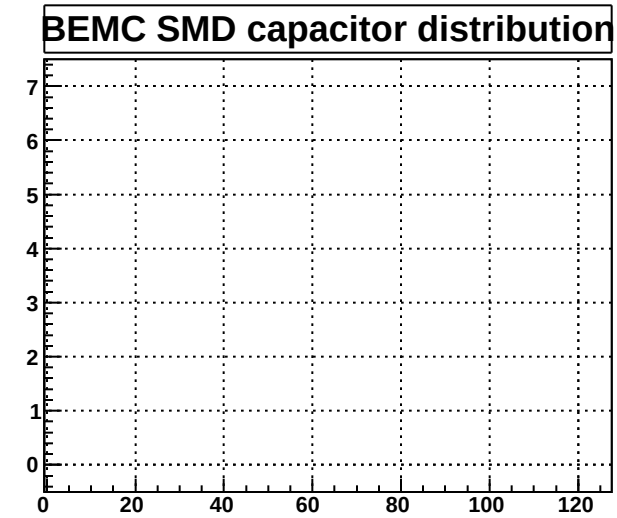

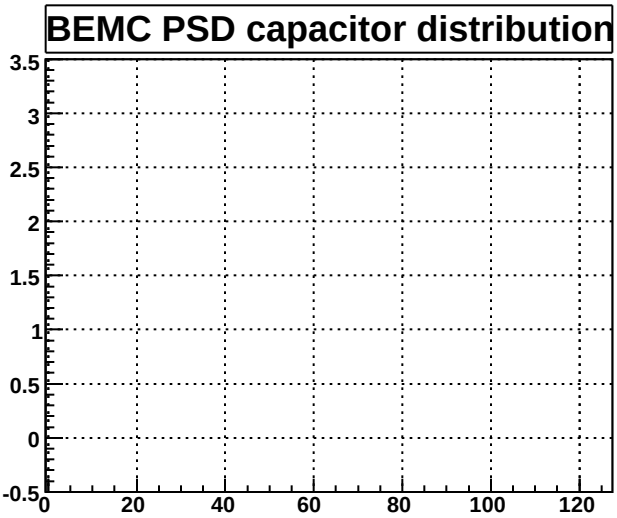

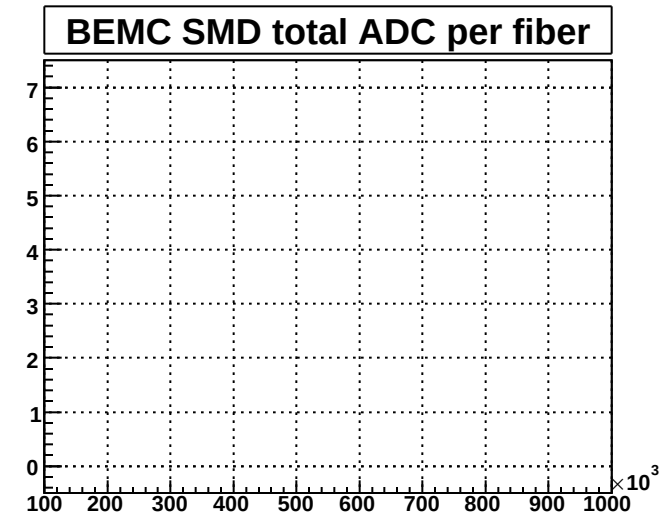

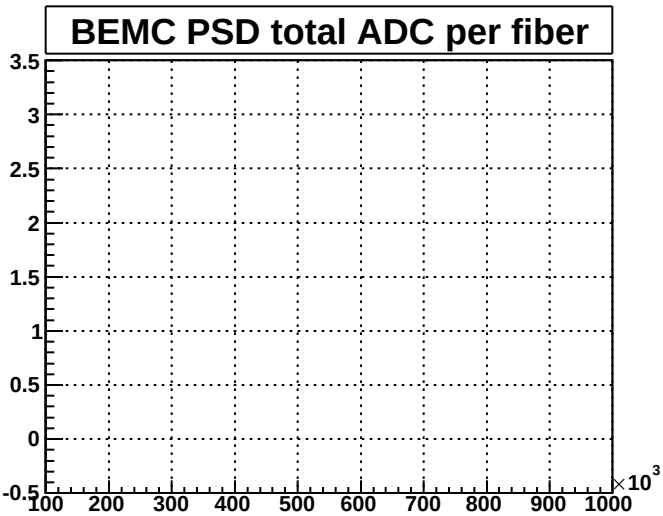

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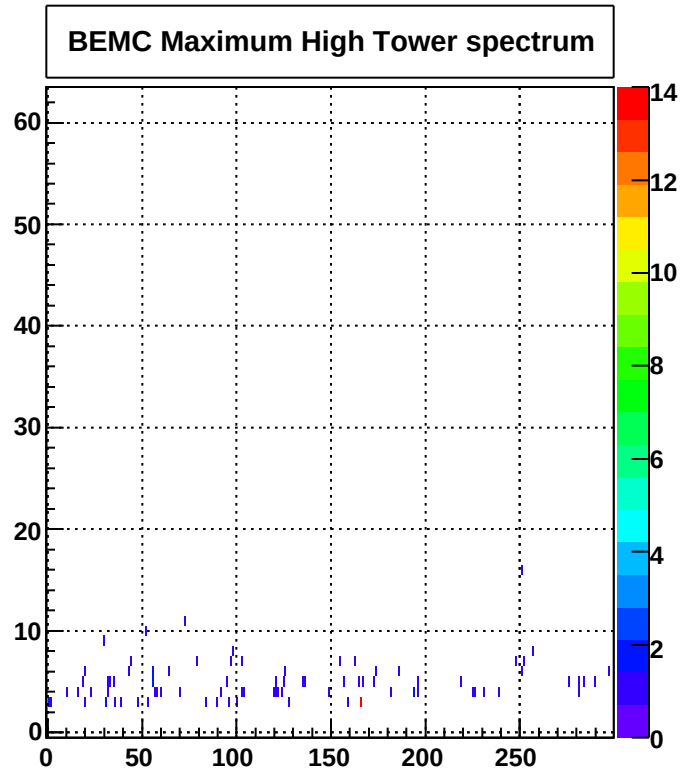

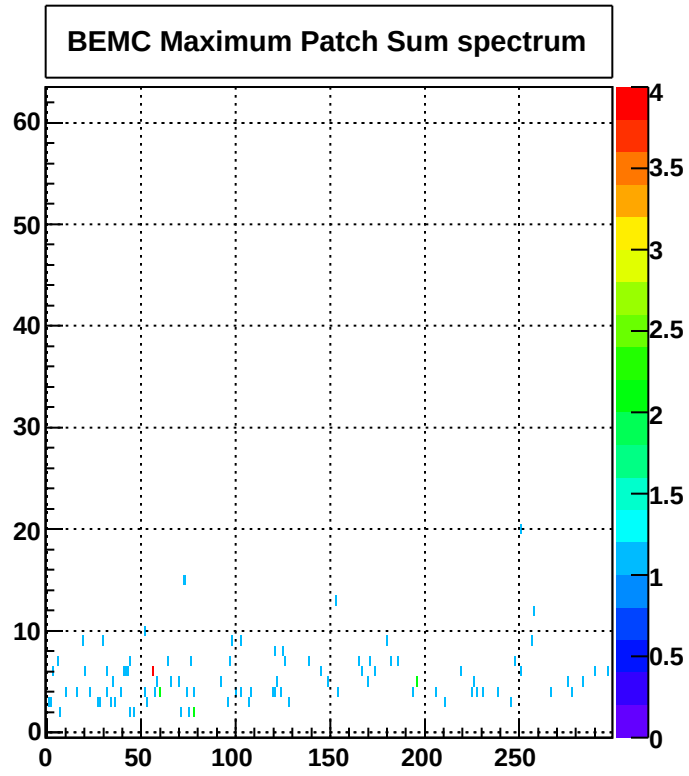

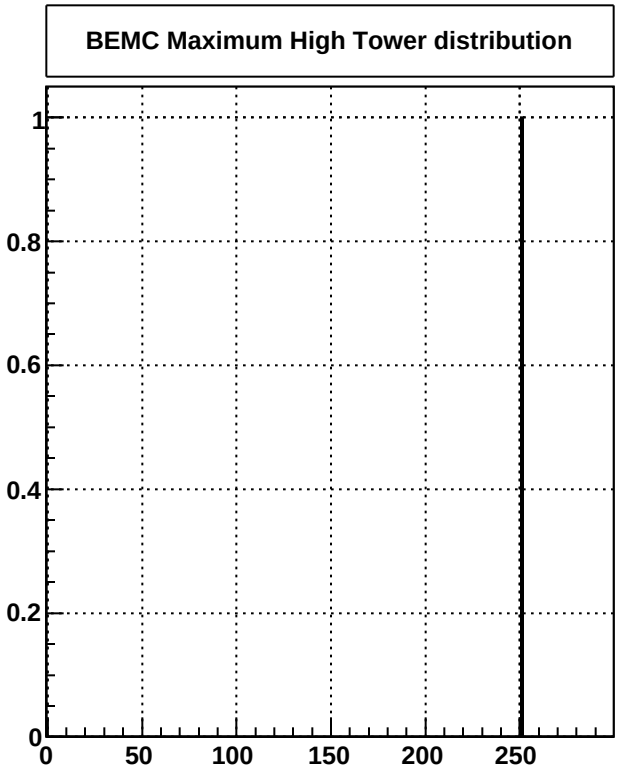

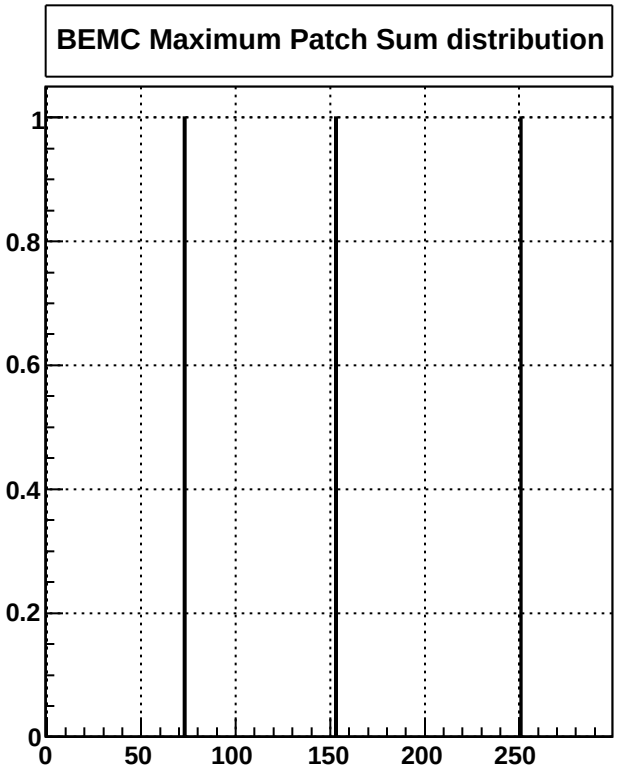

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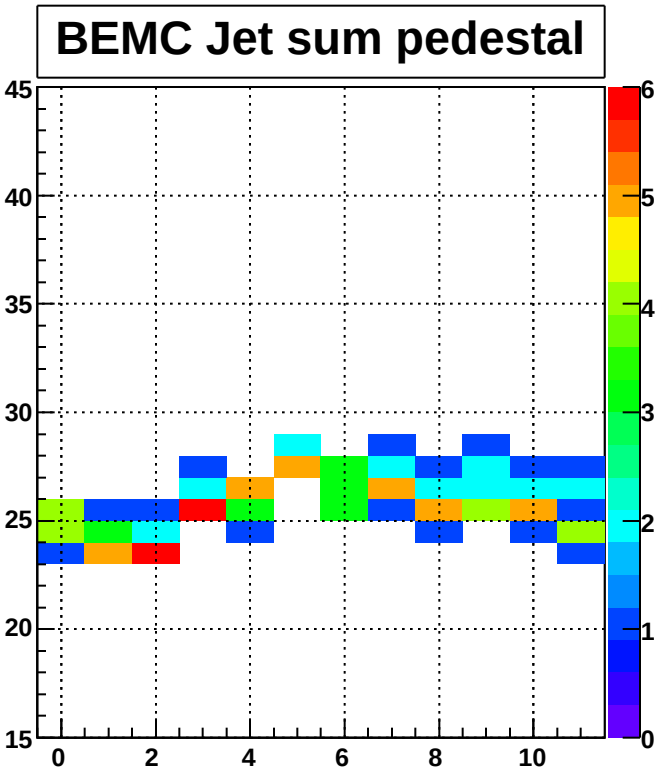

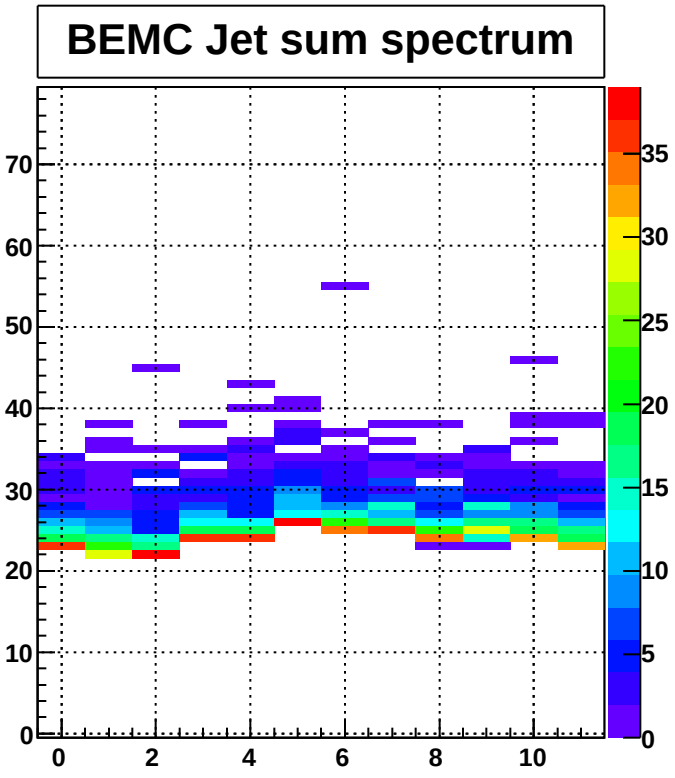

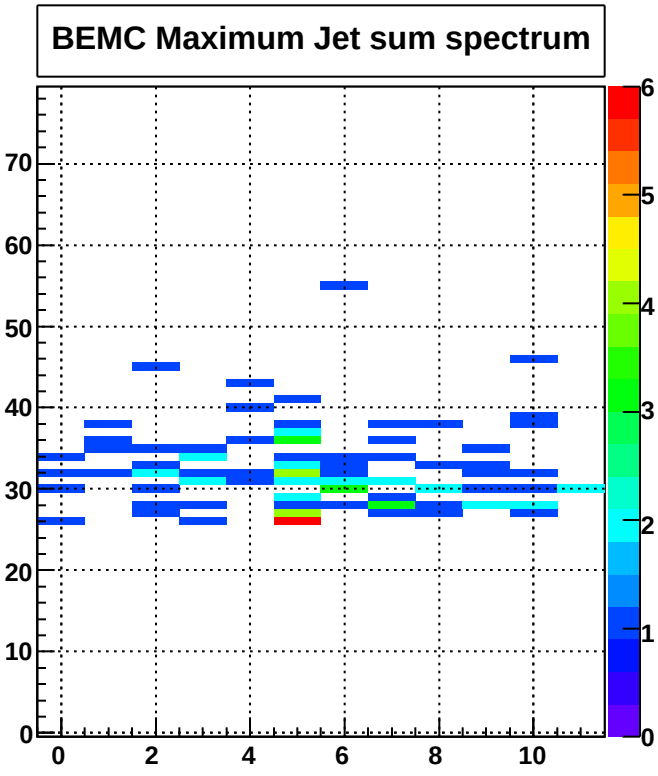

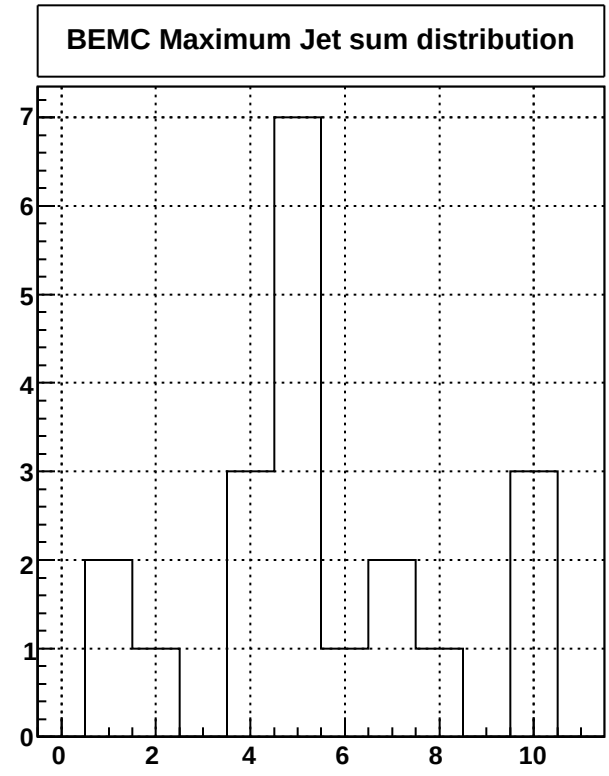

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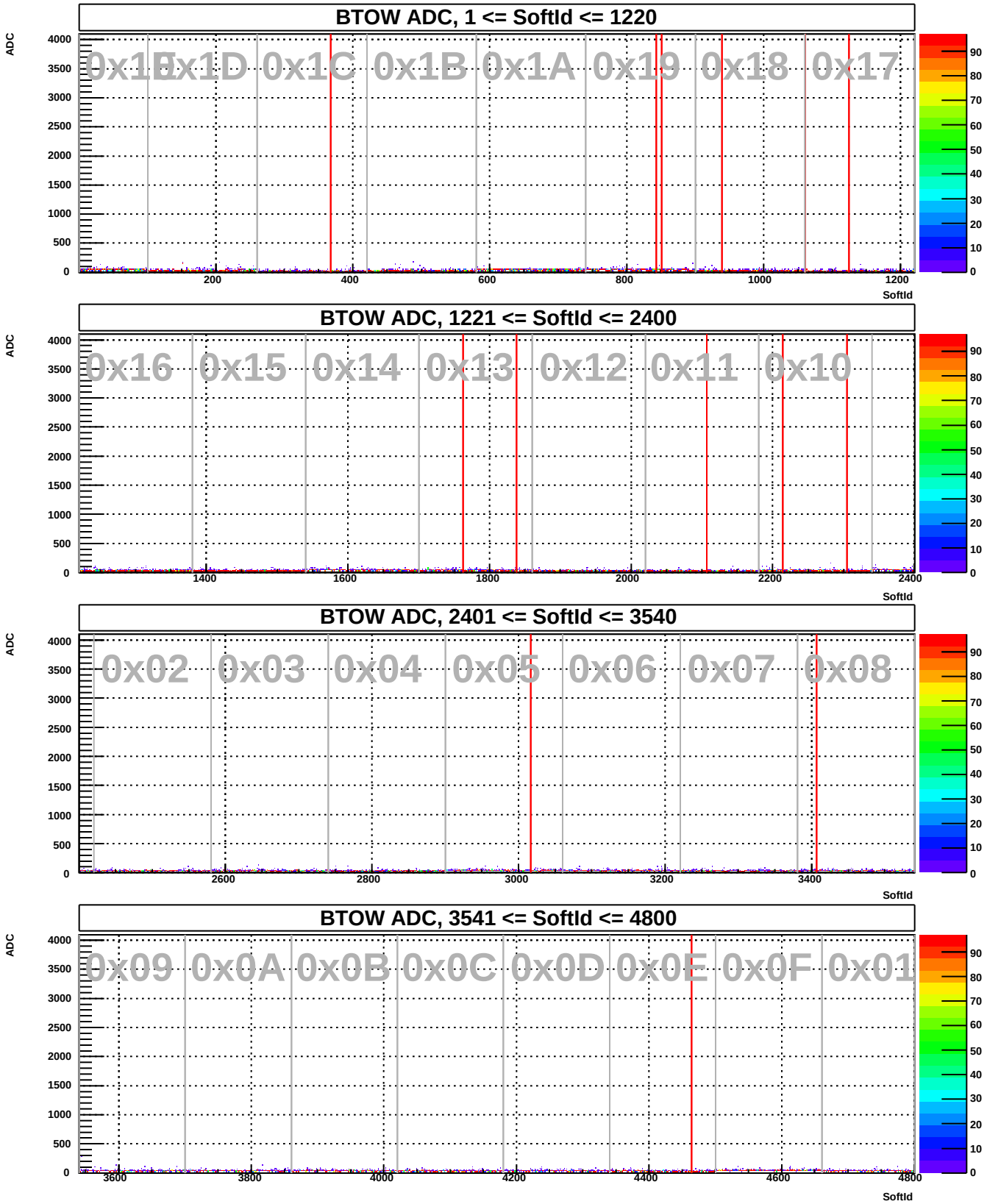

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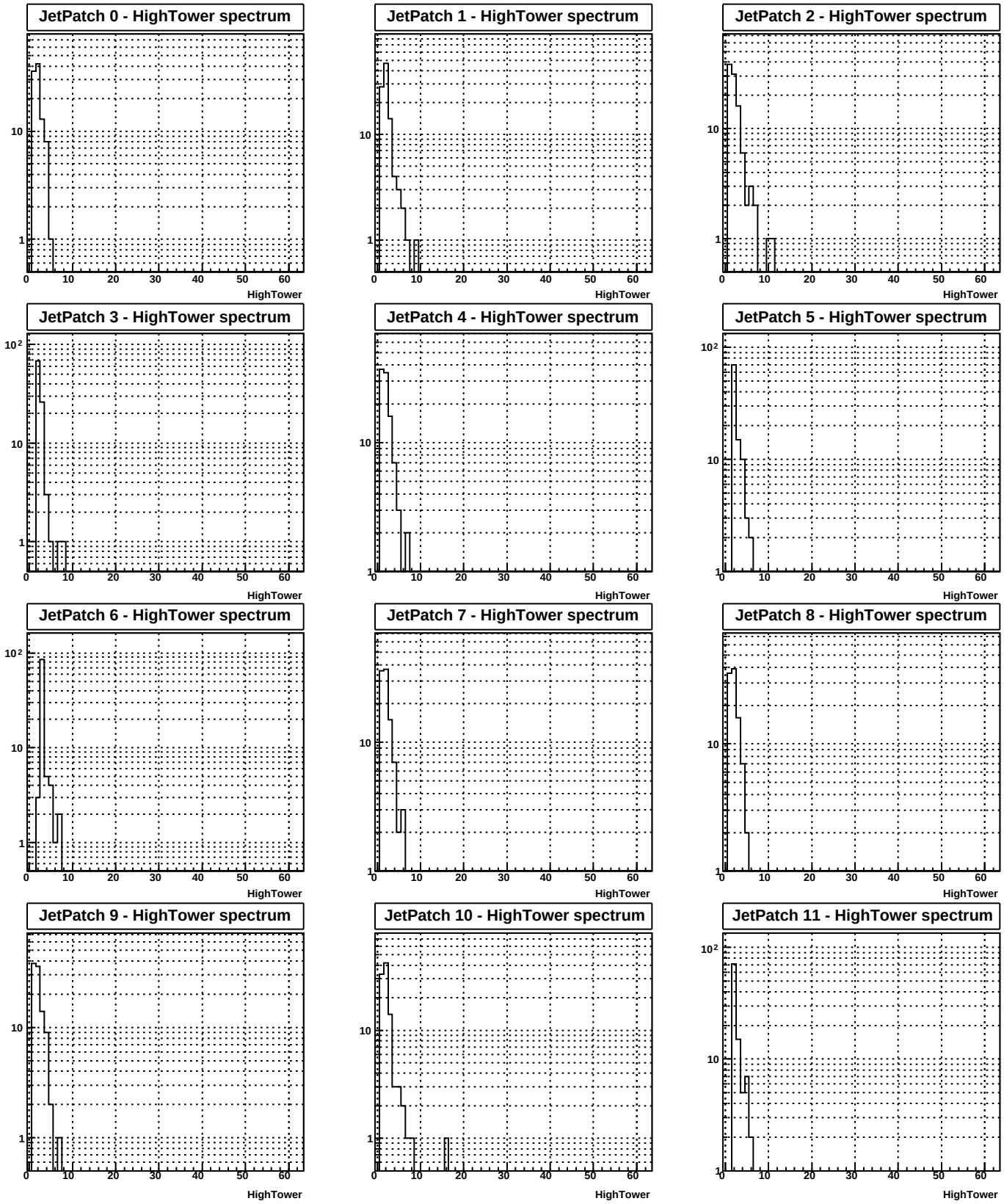

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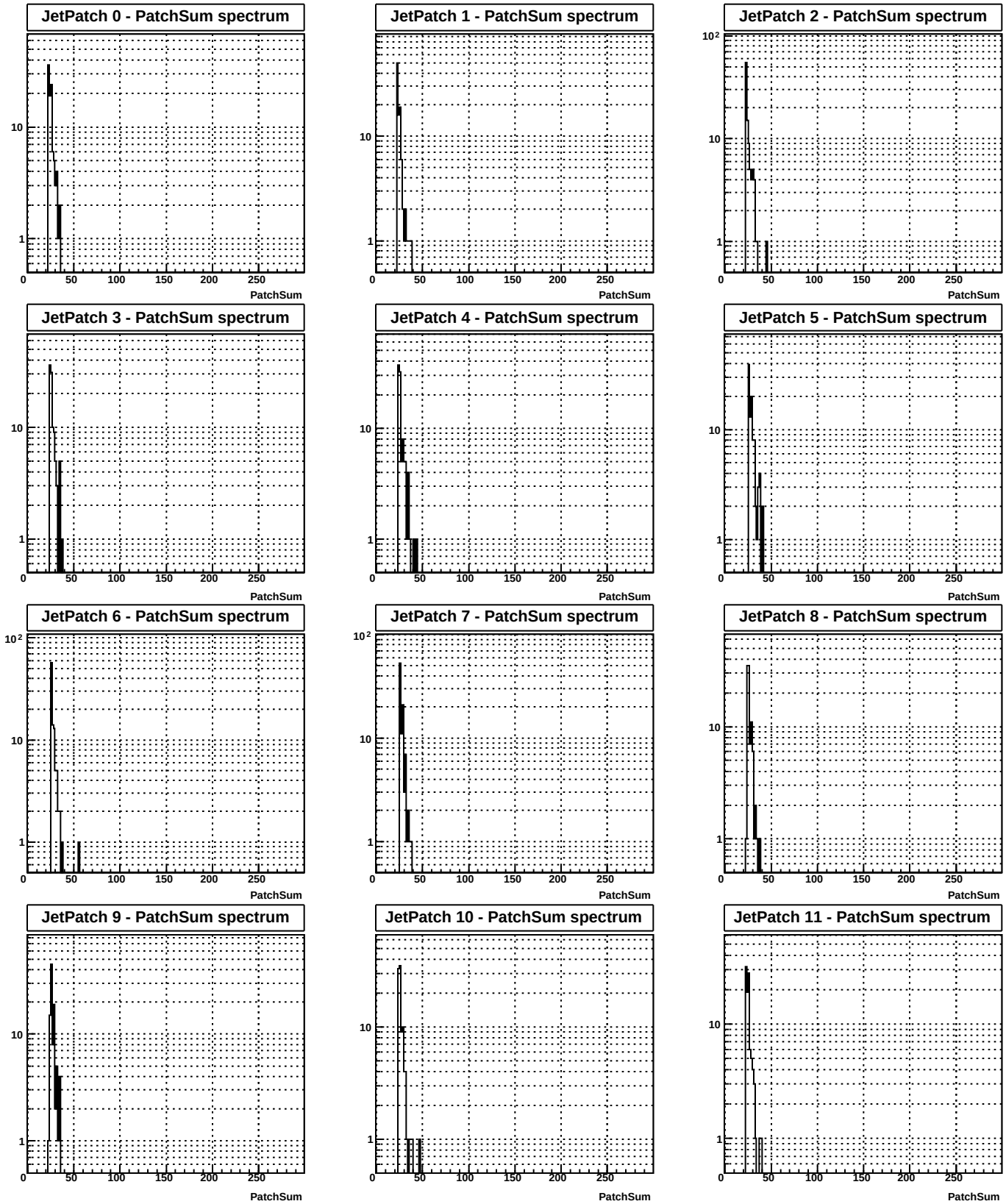

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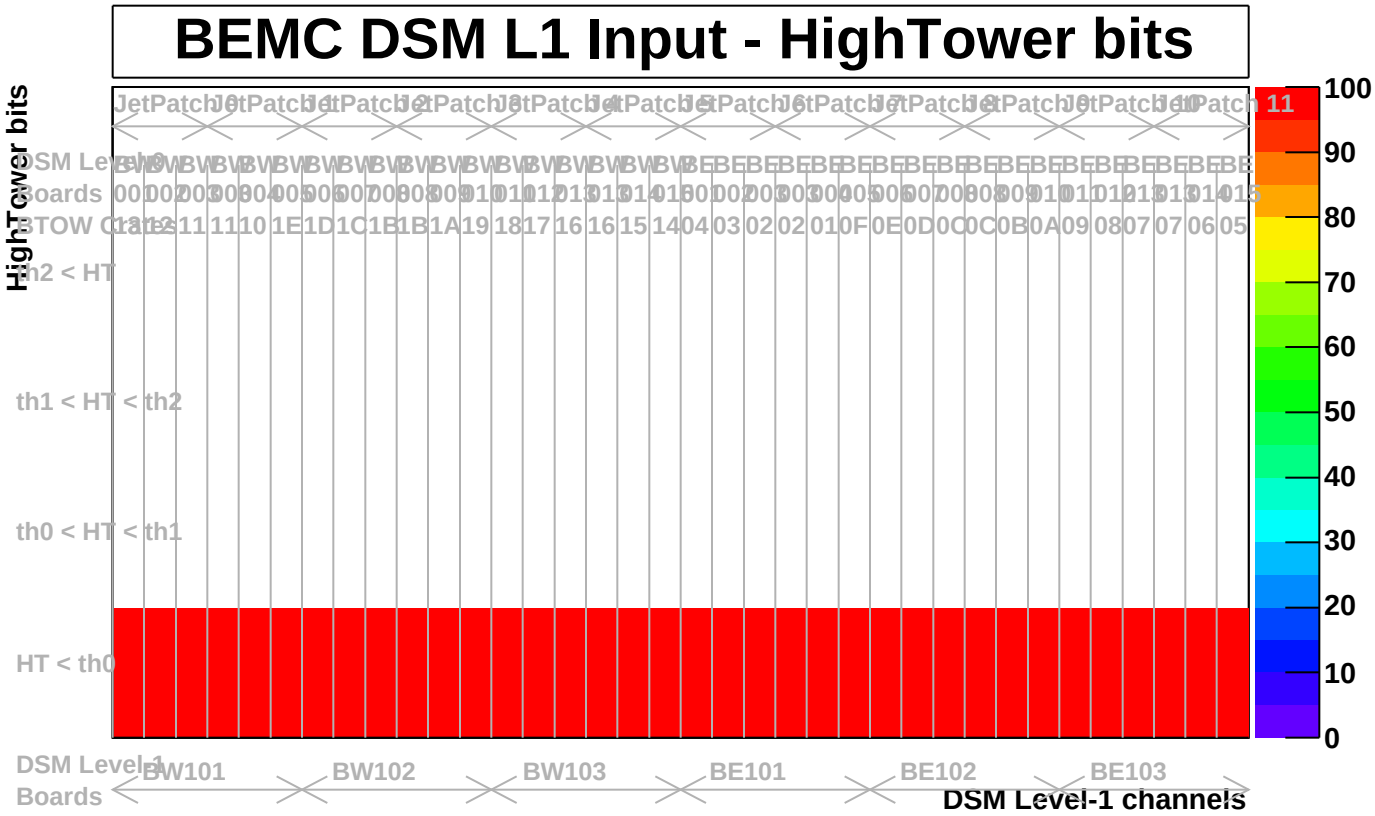

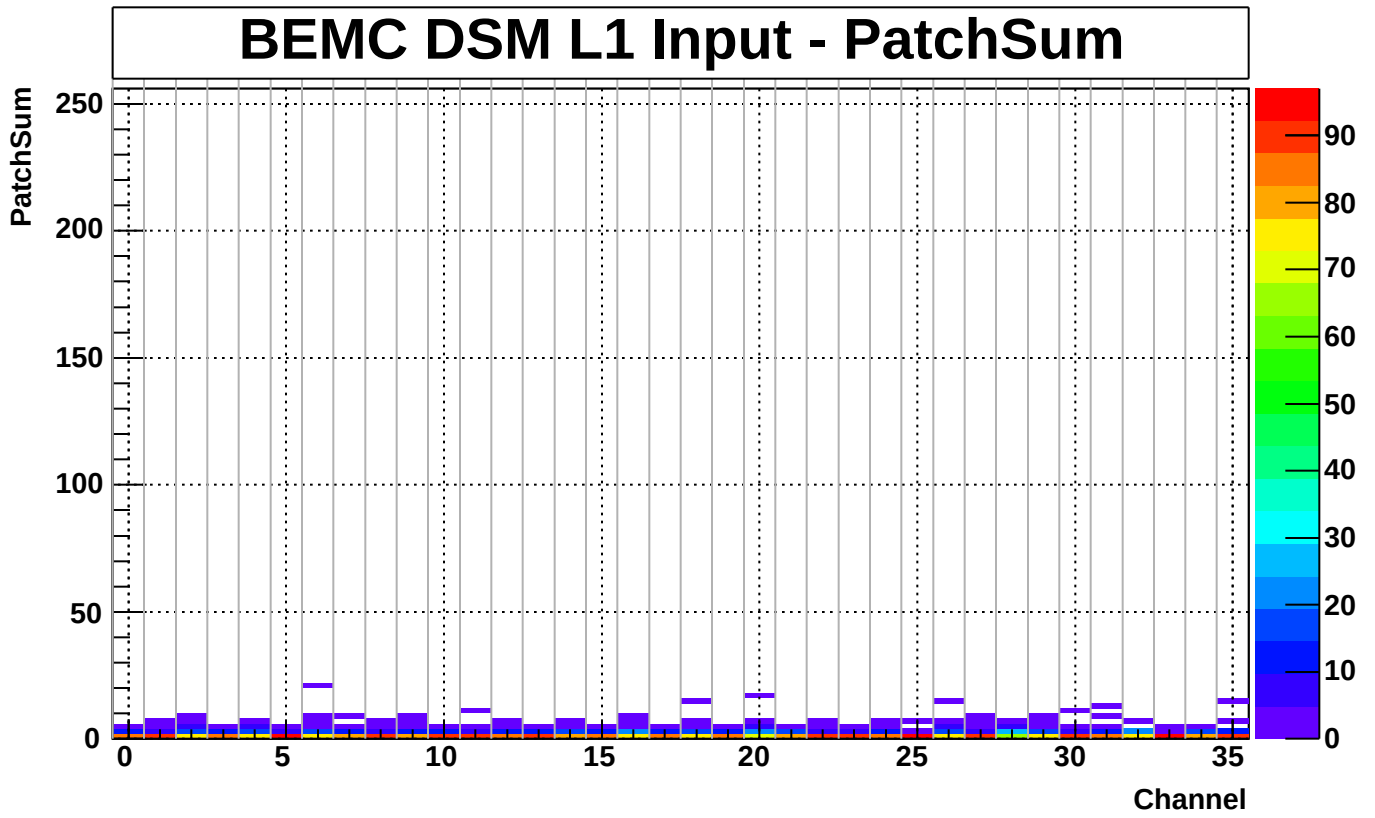

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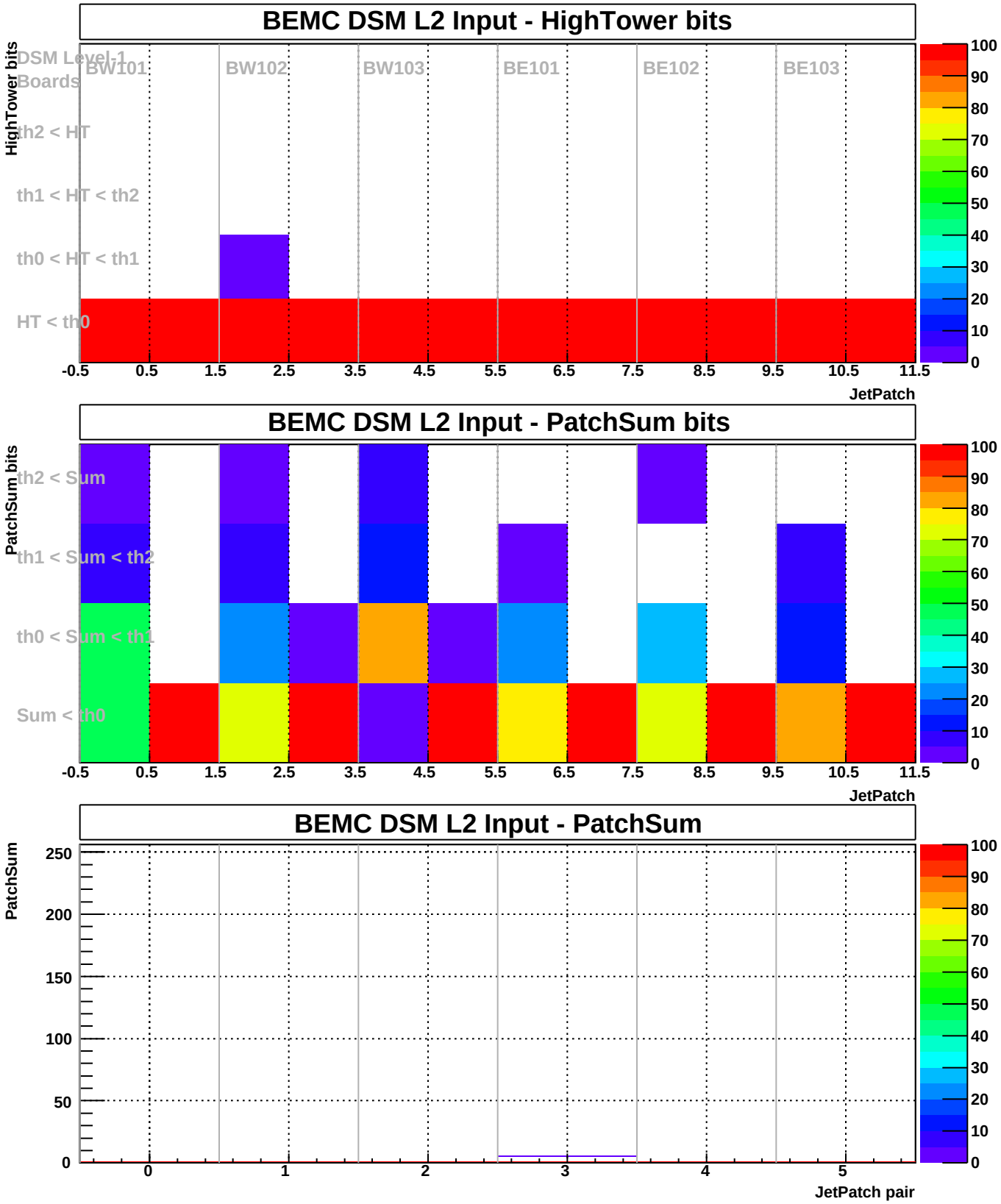

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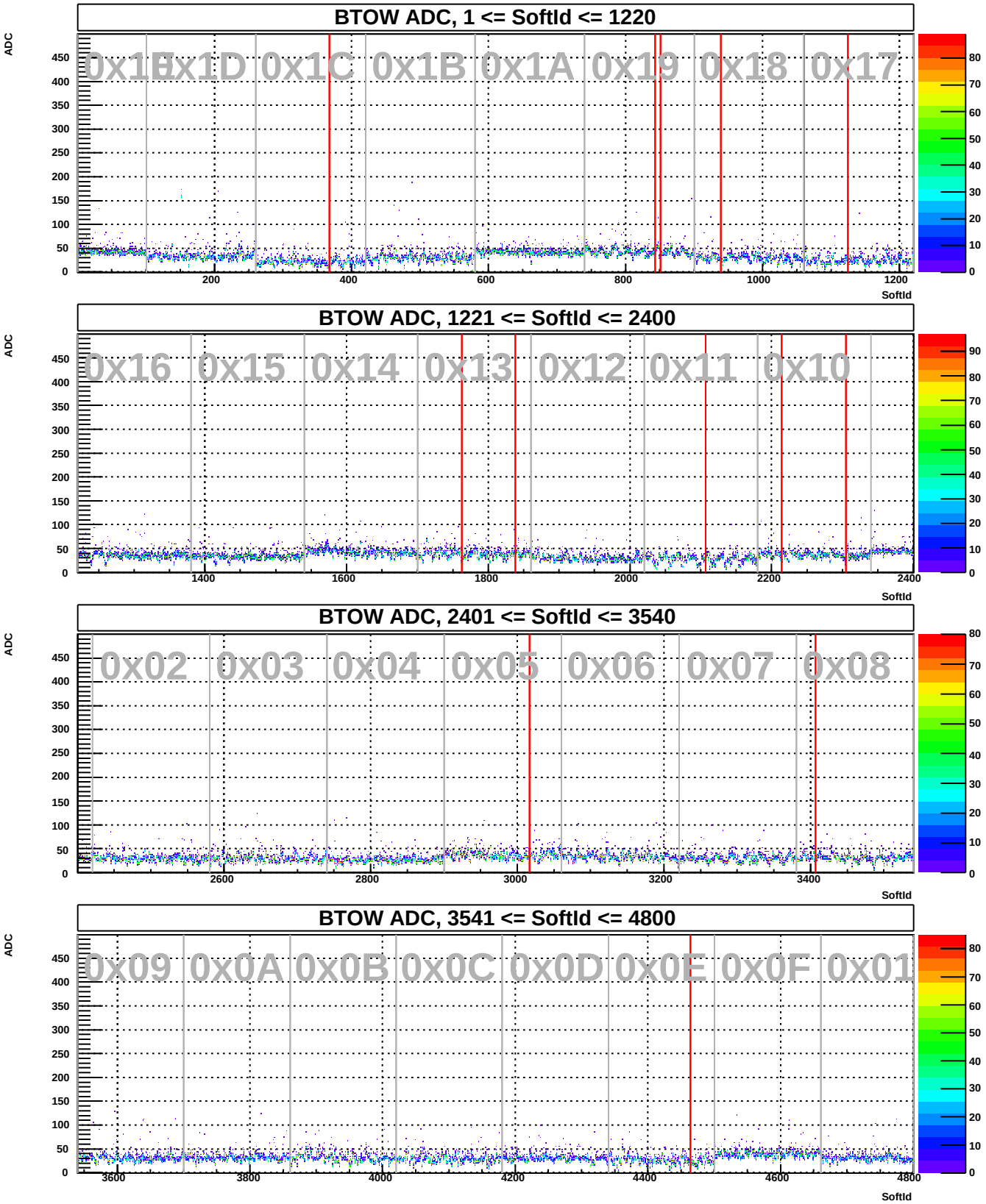

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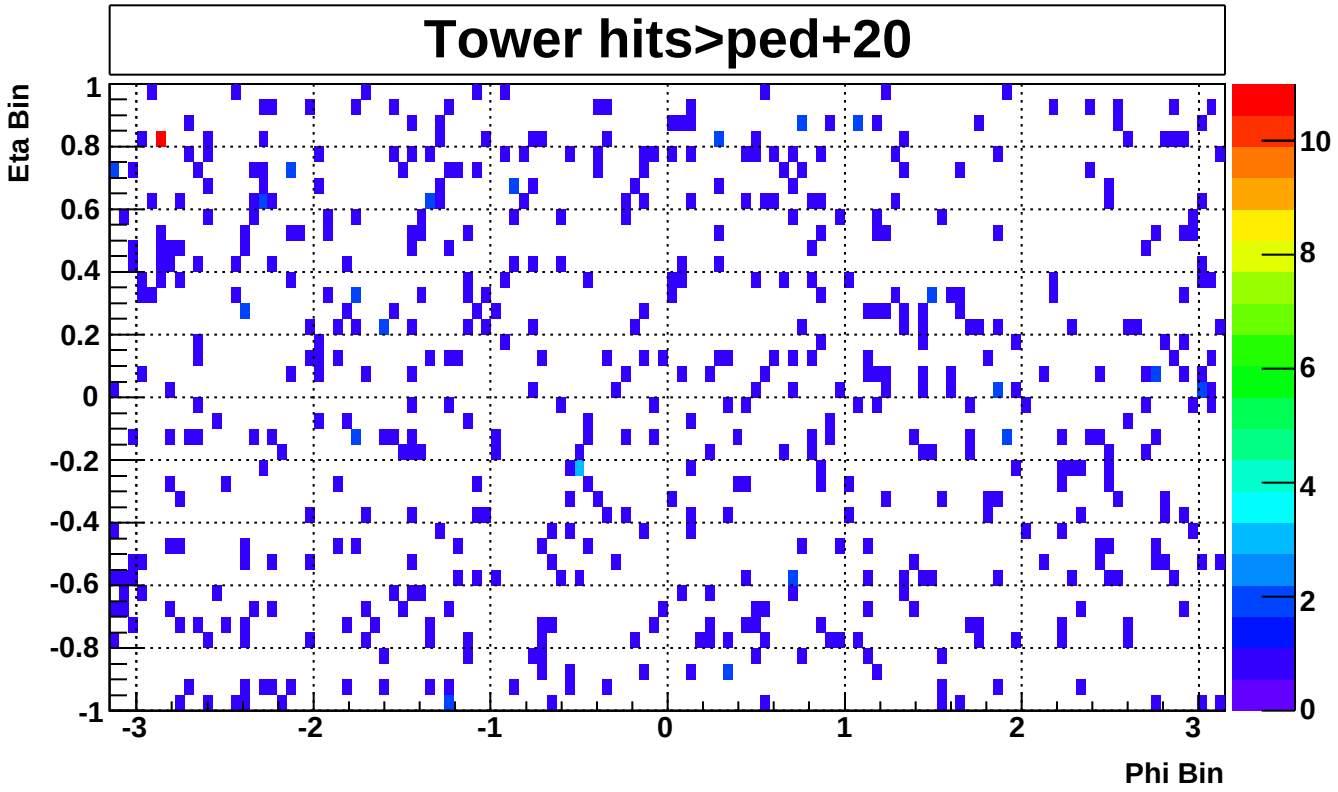

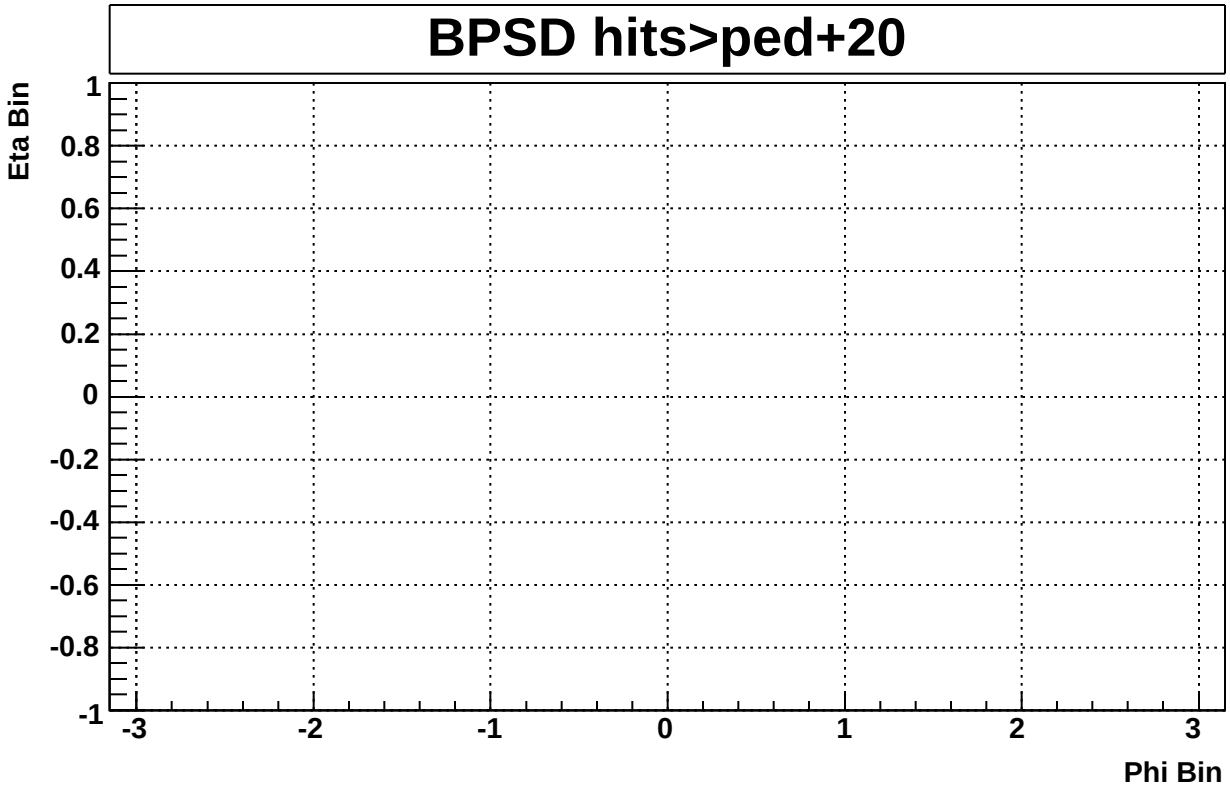

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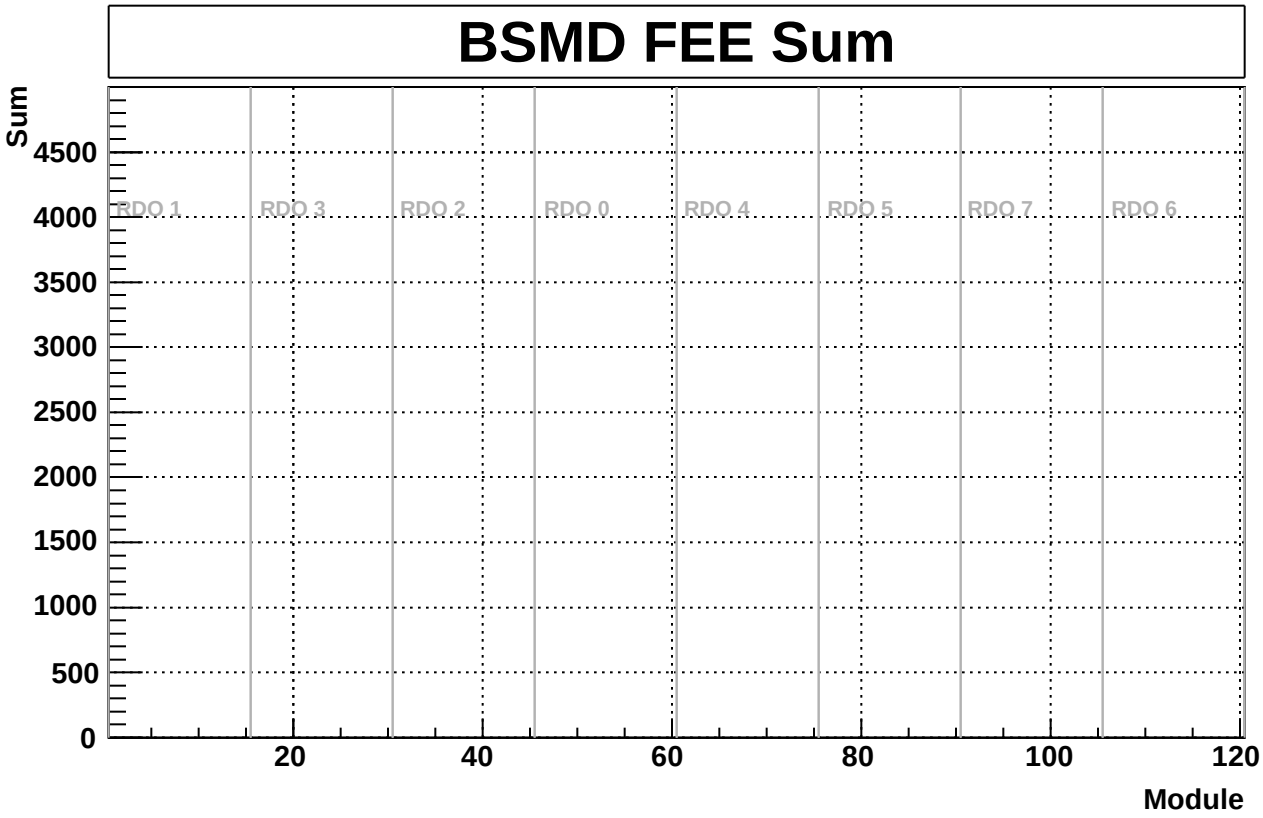

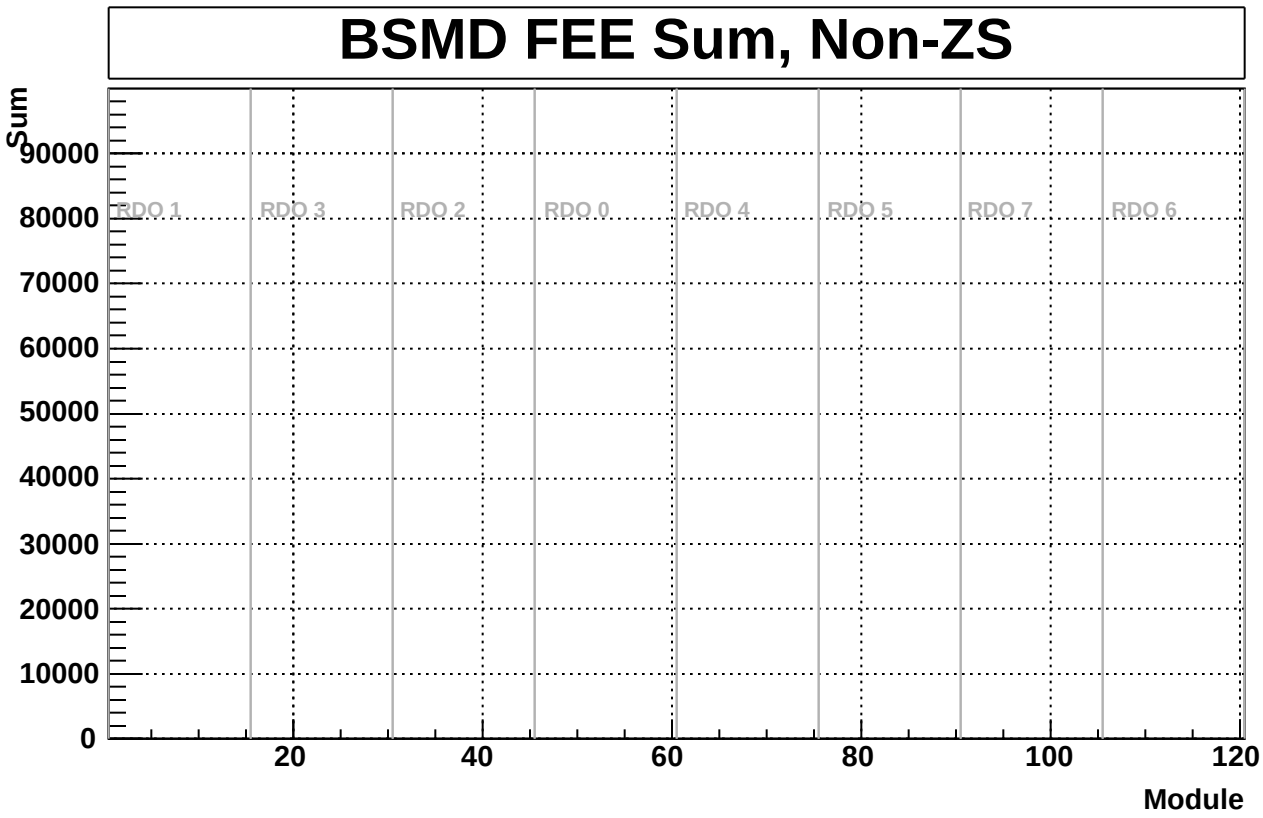

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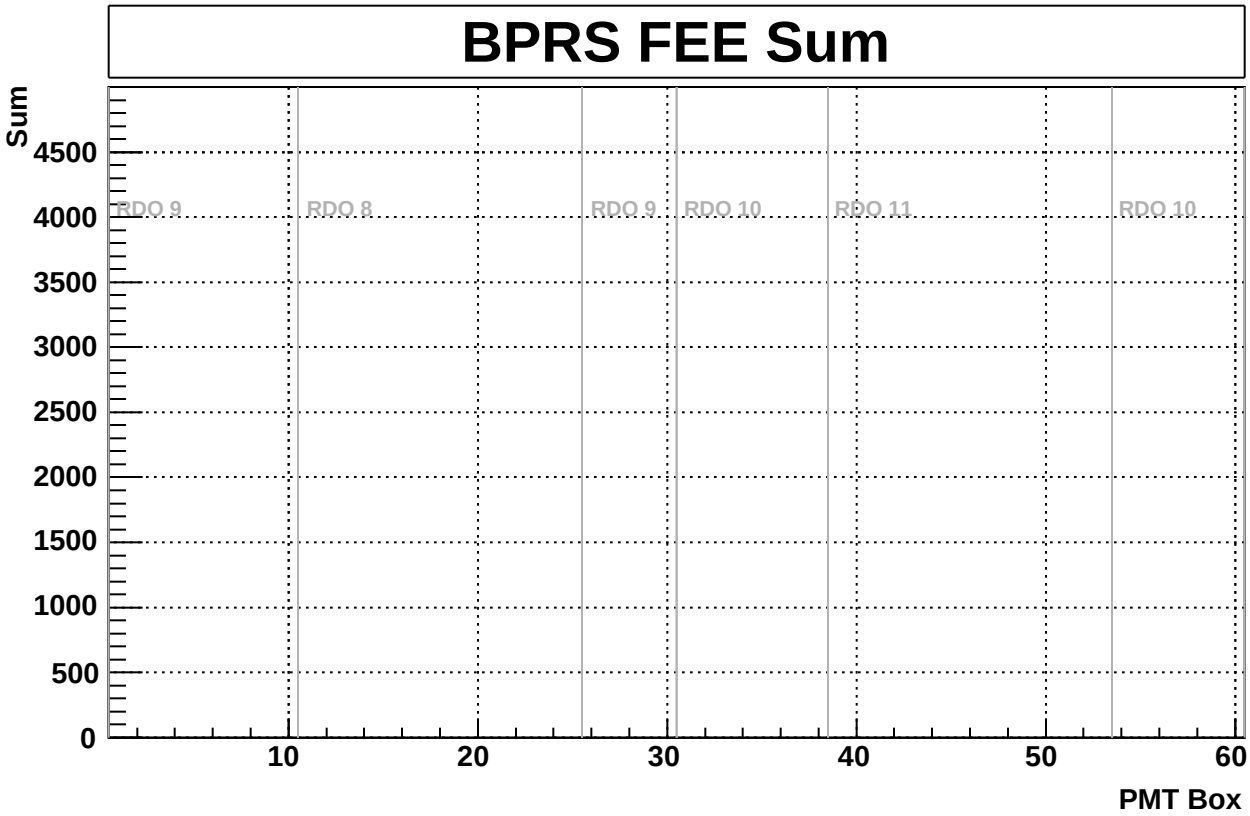

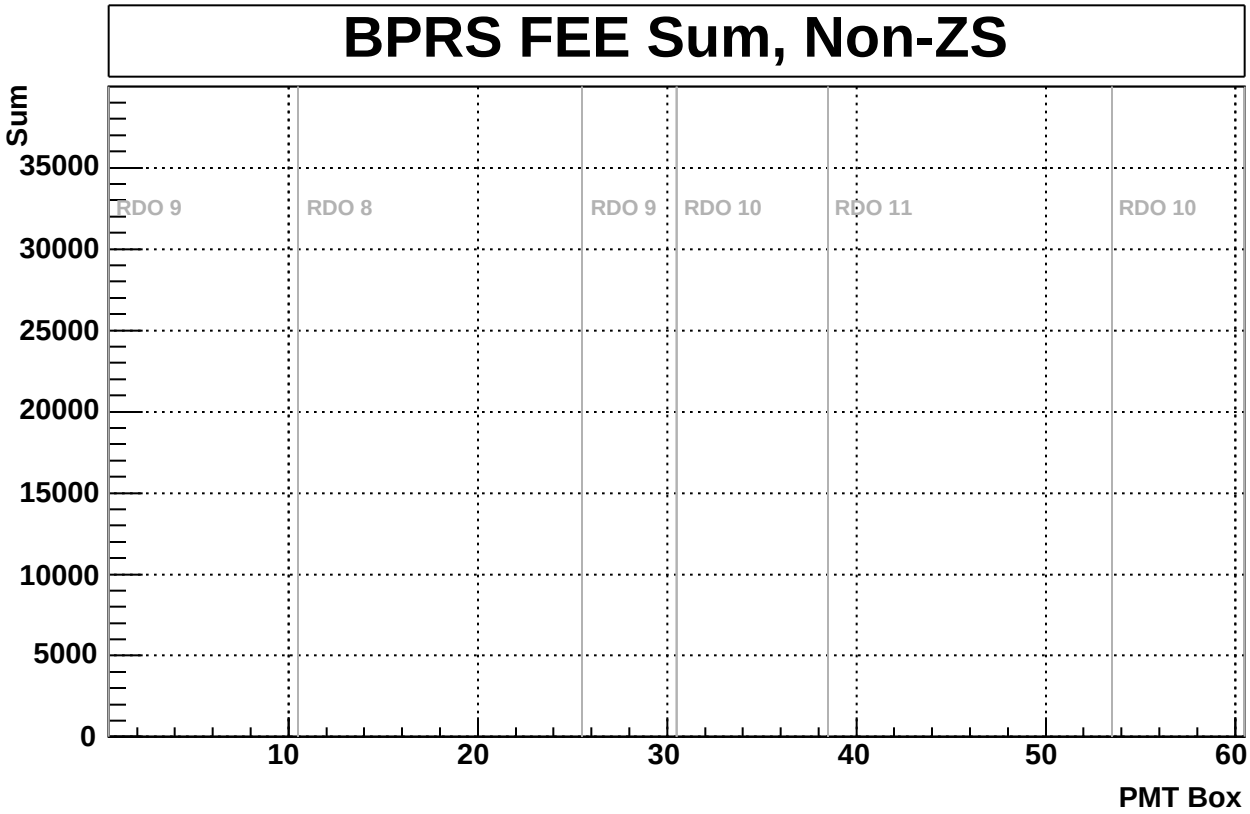

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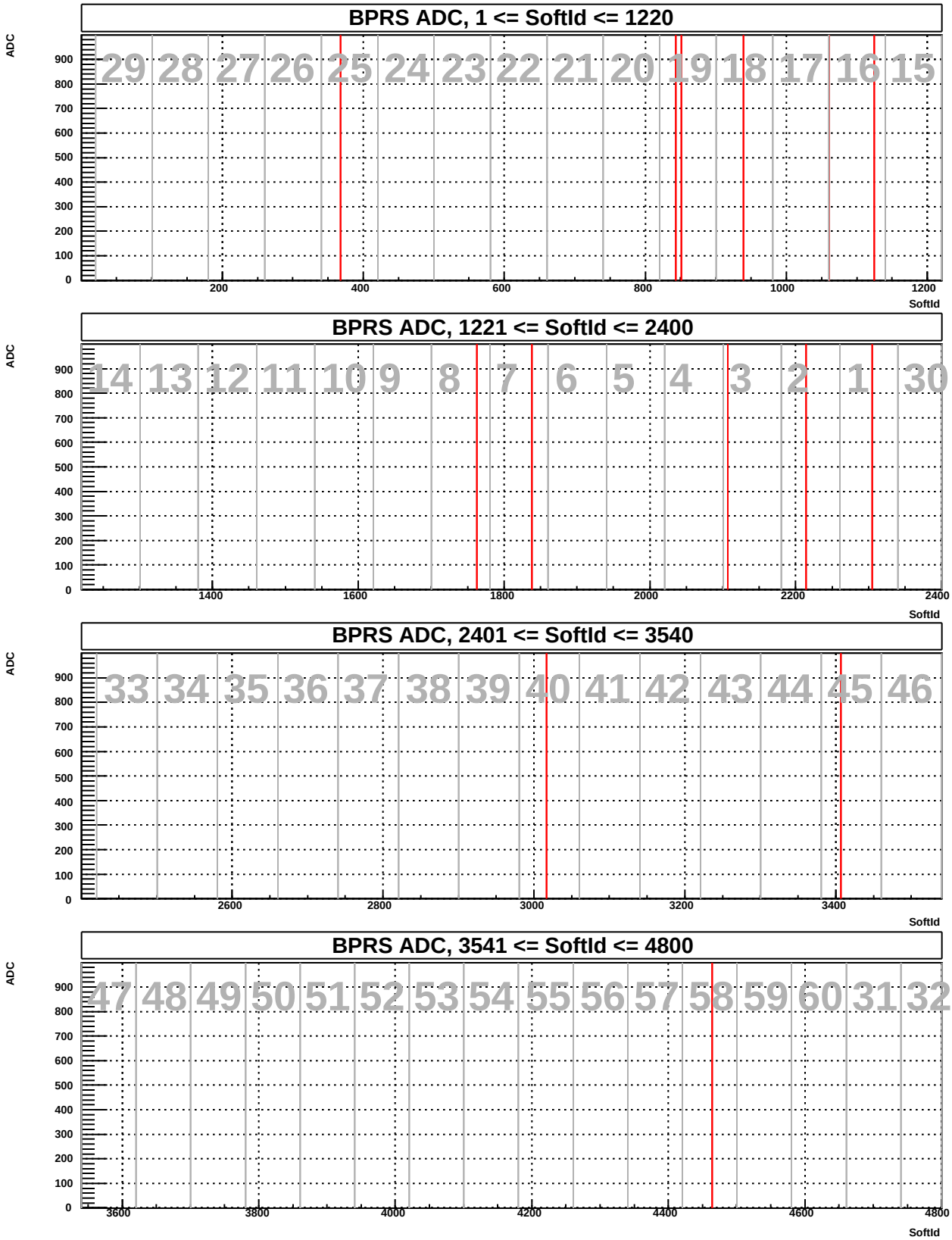

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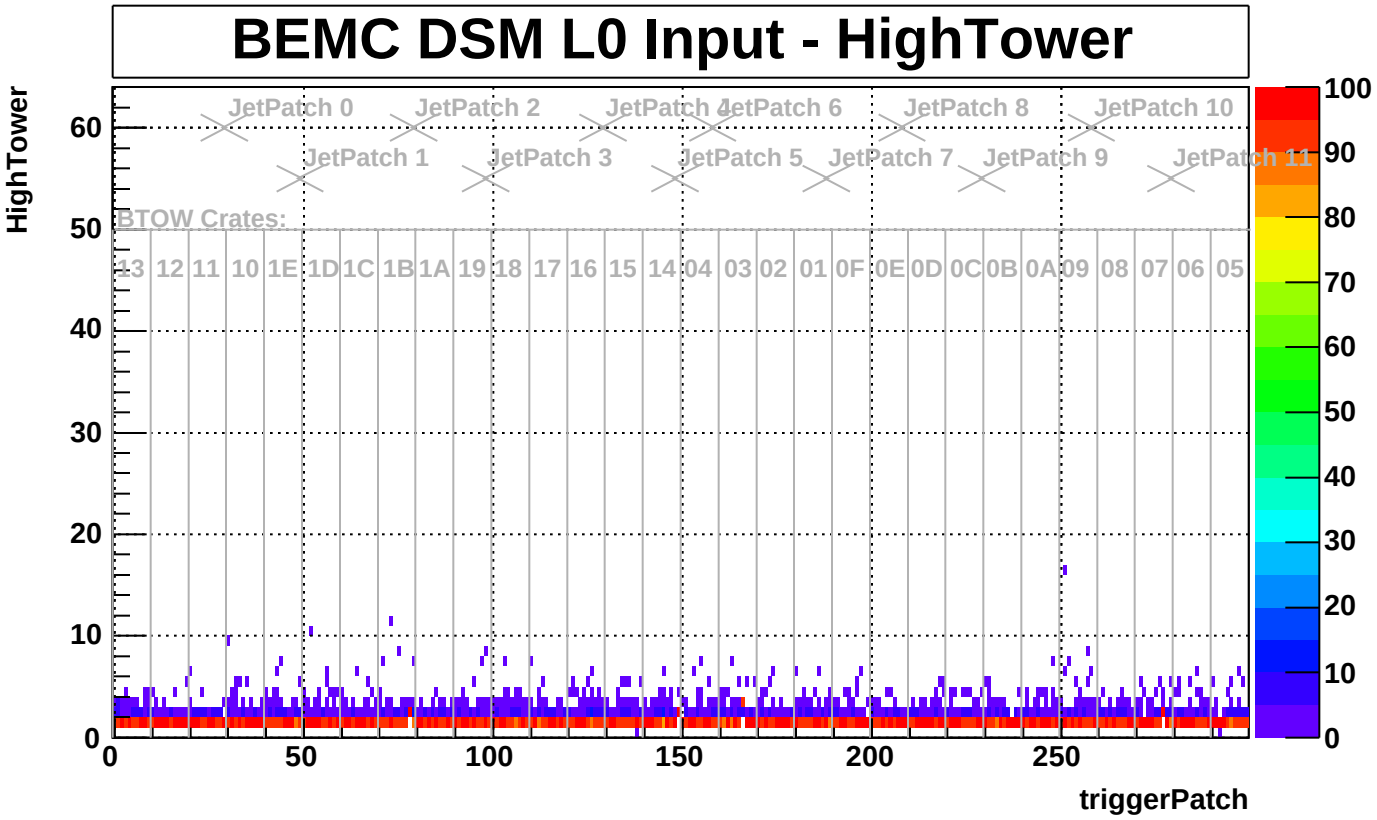

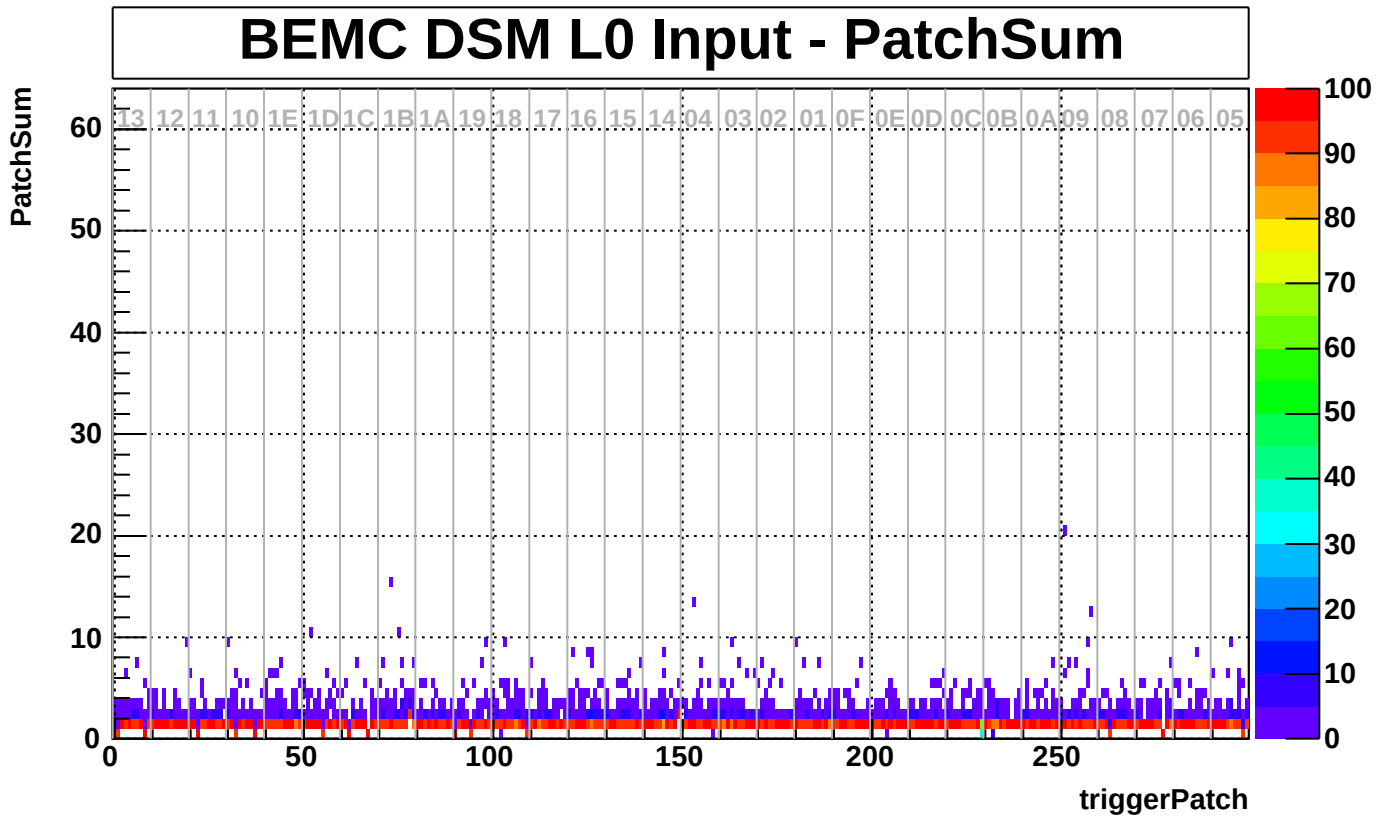

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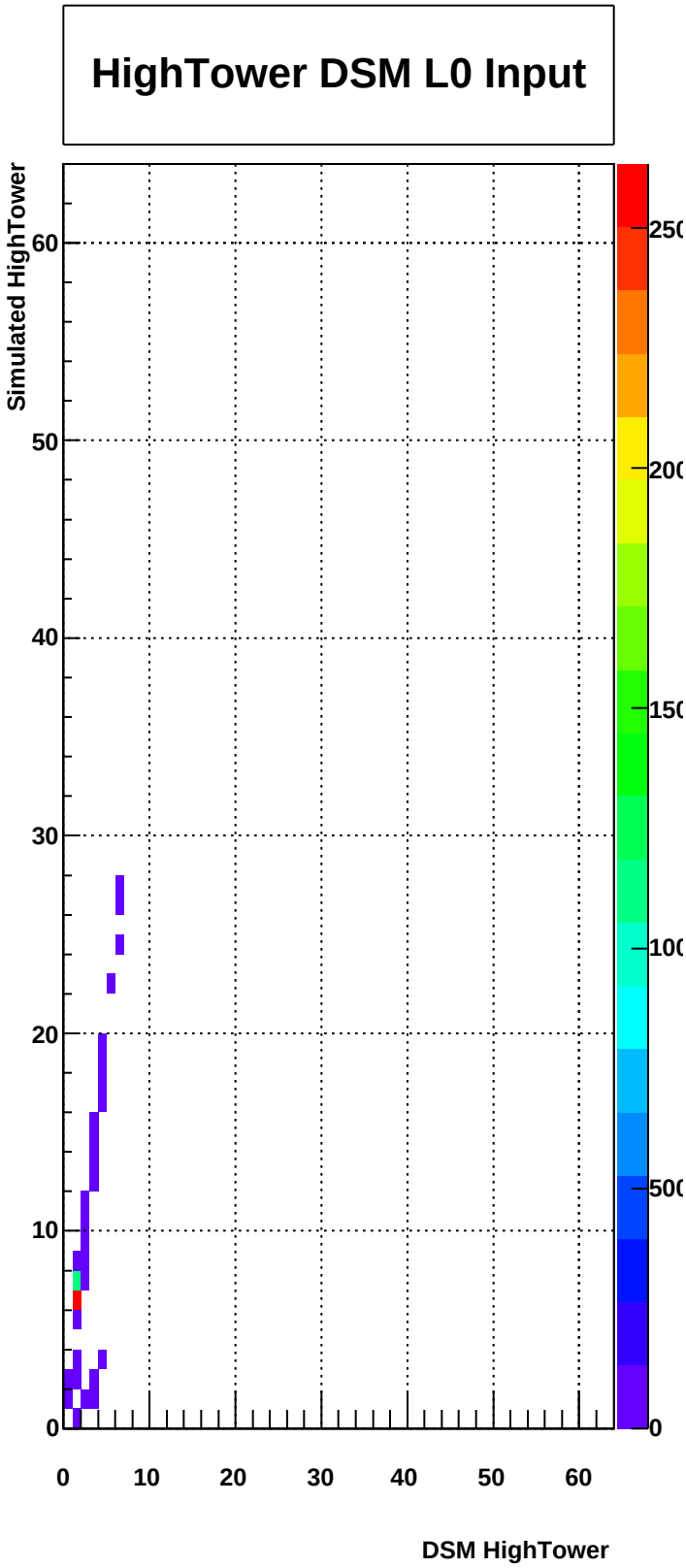

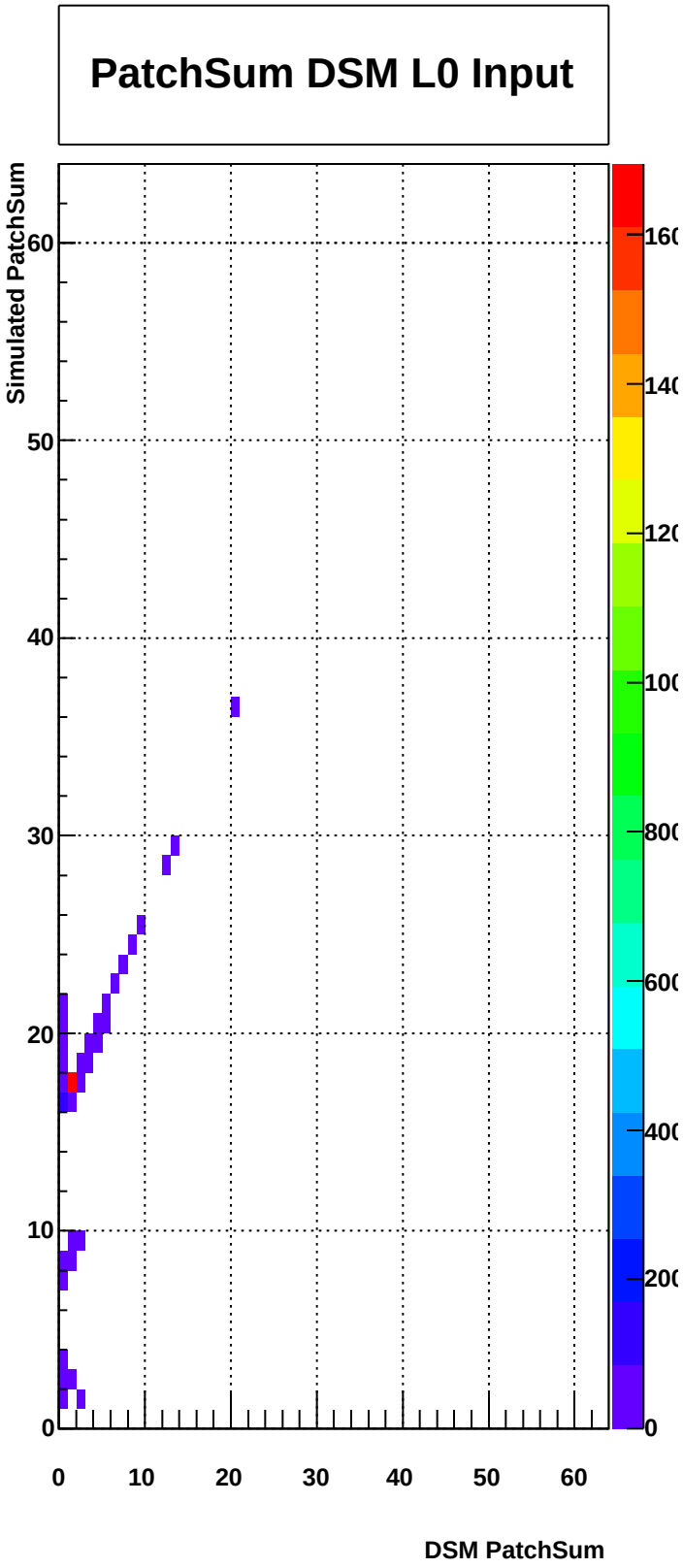

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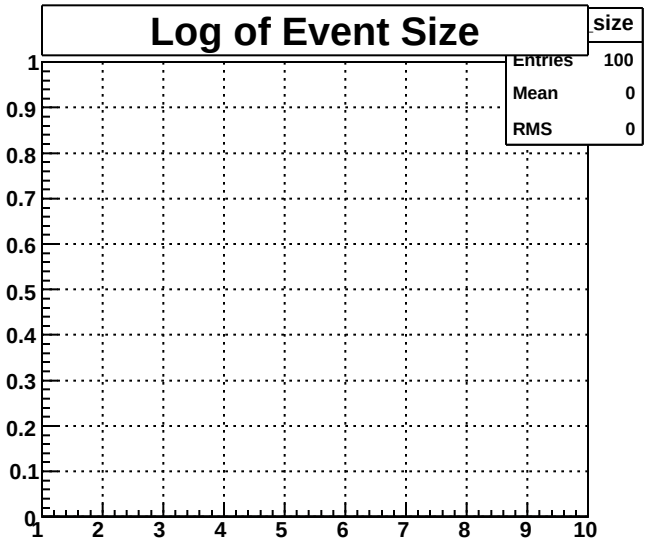
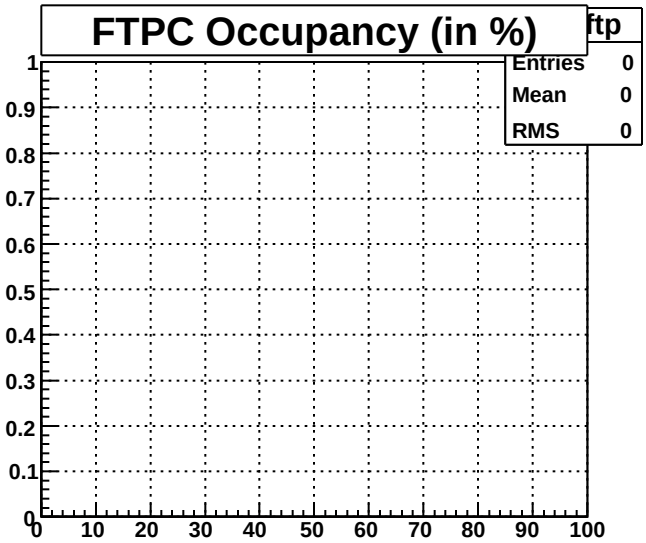
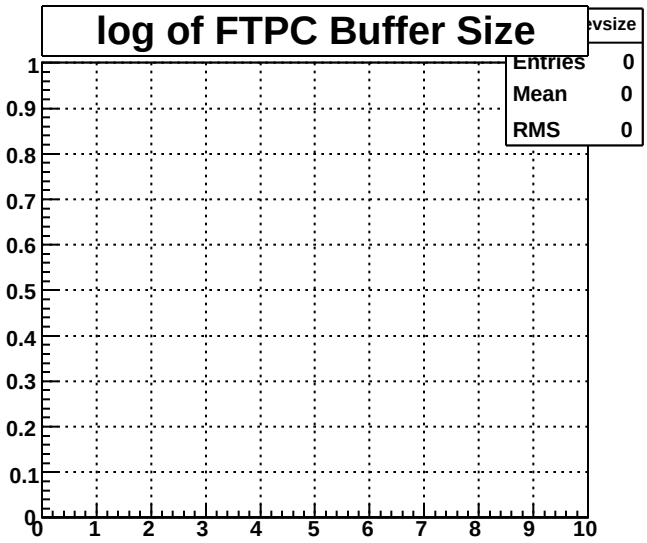
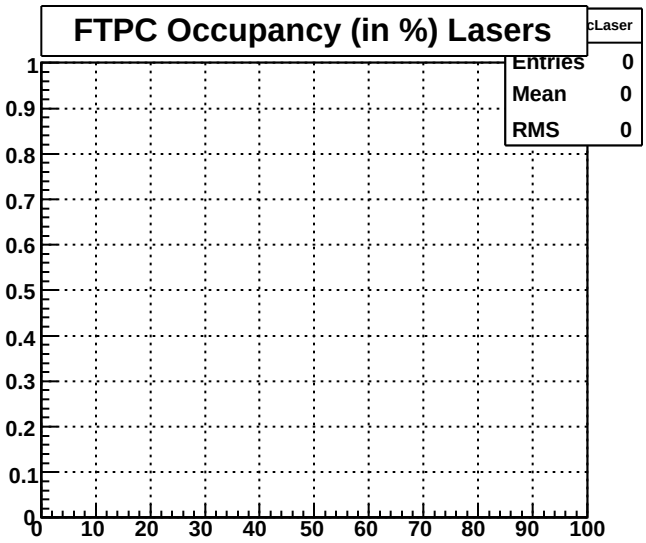
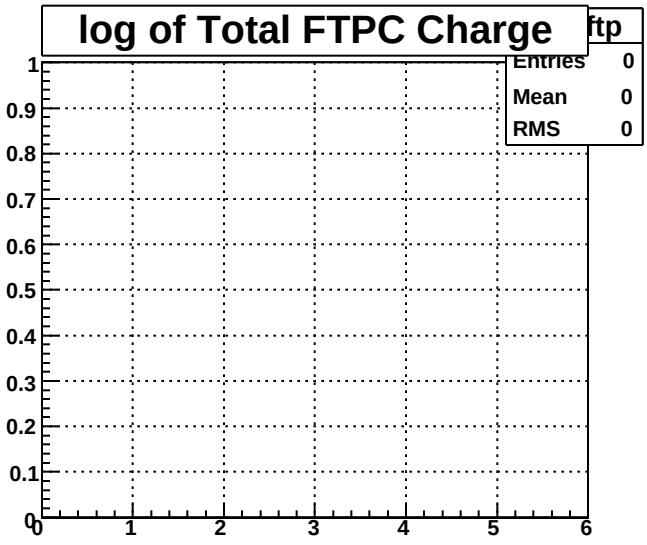
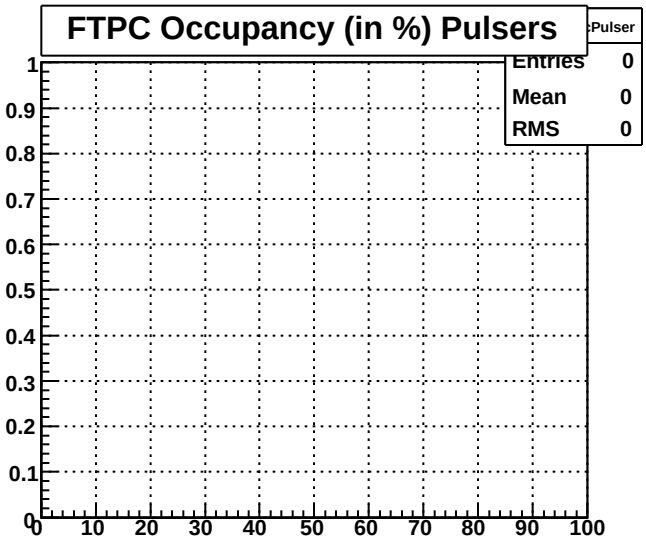

Log of Event Size
size
Entries 100
Mean 0
RMS 0

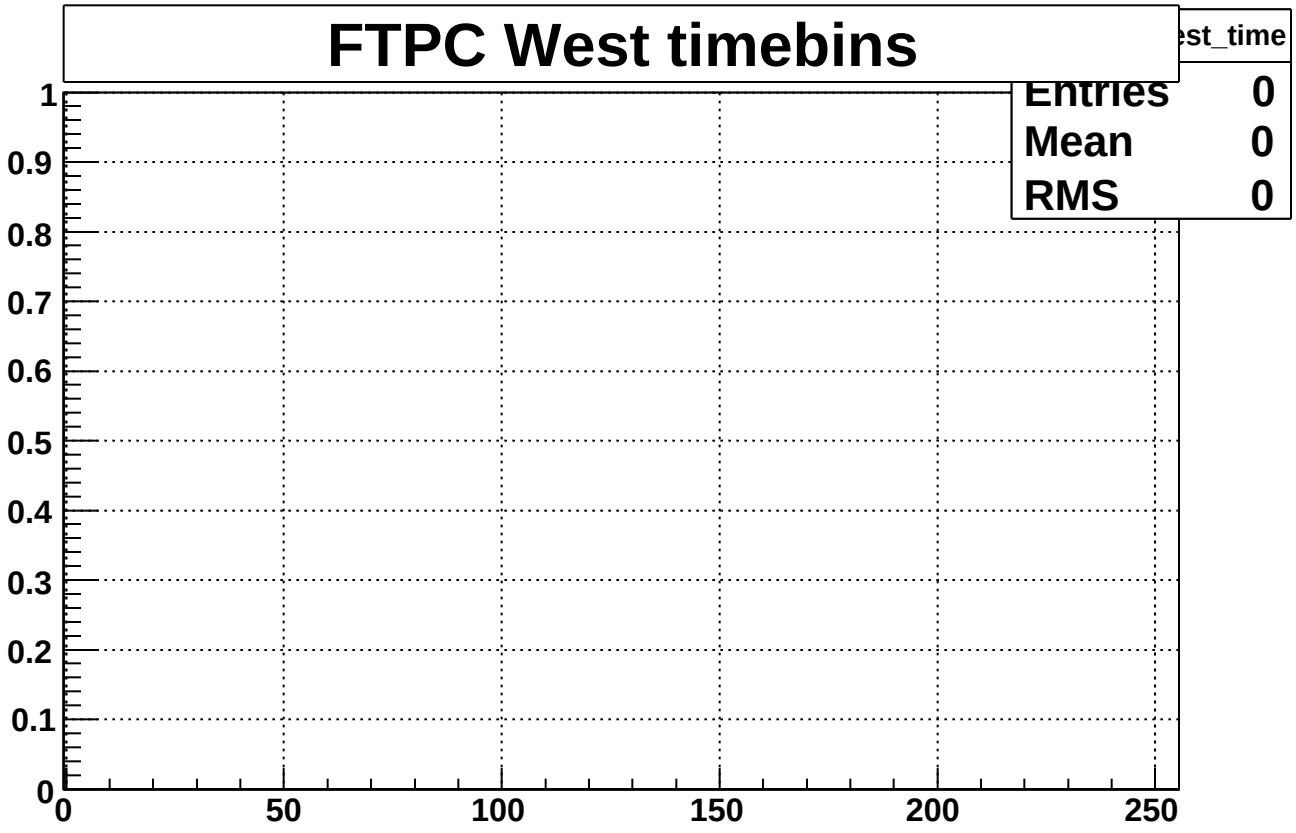

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

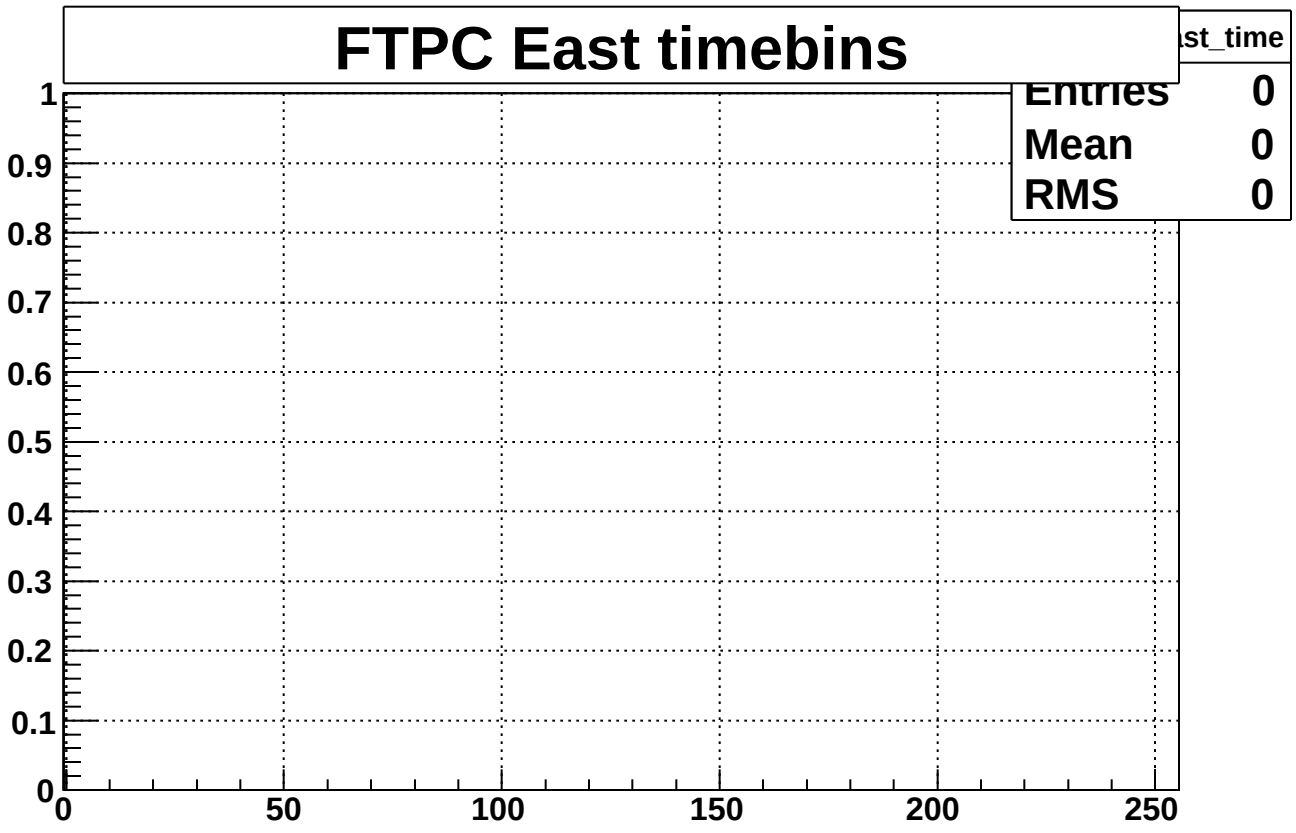

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

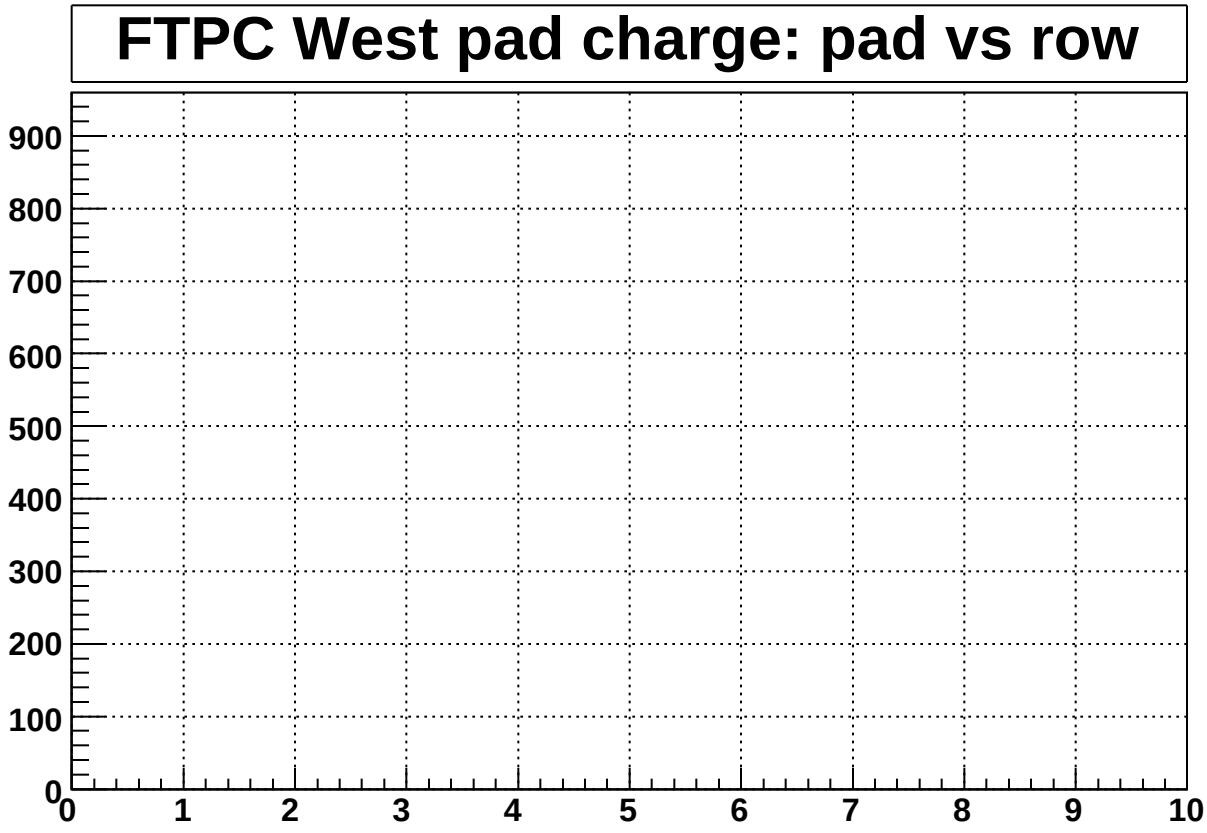

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

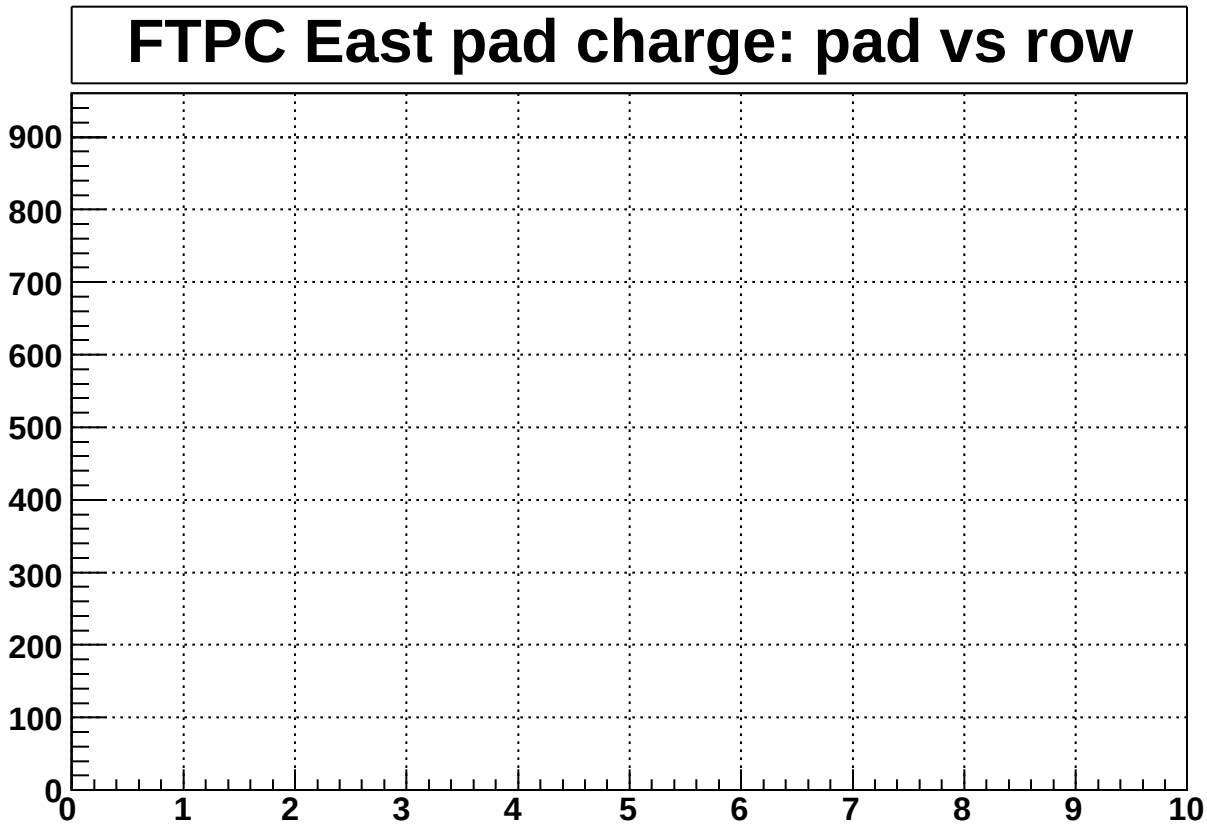

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

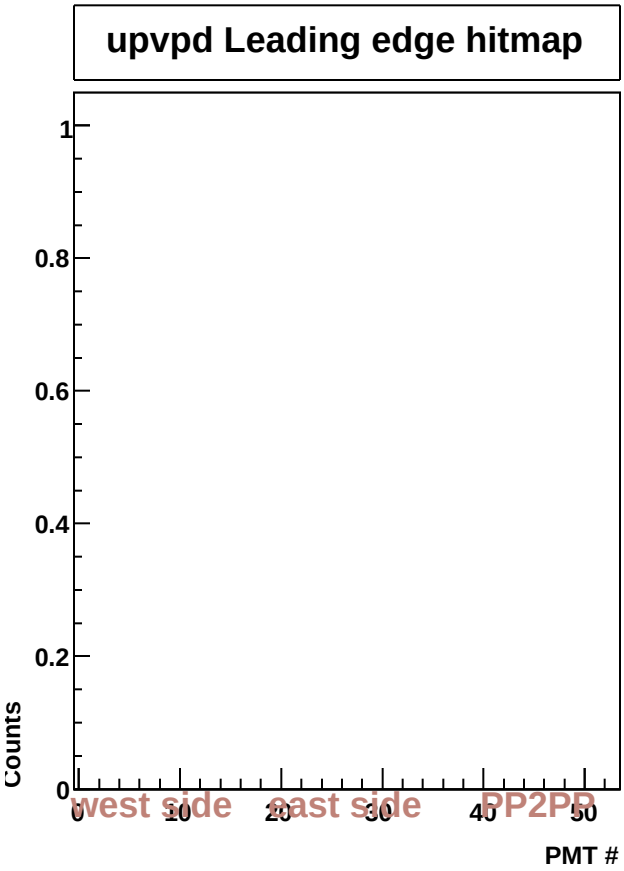

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

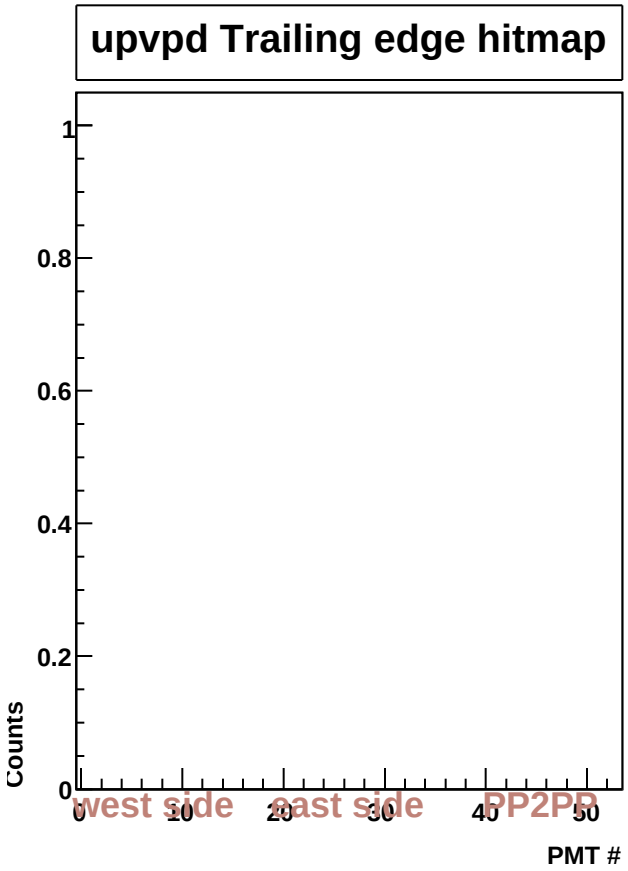

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

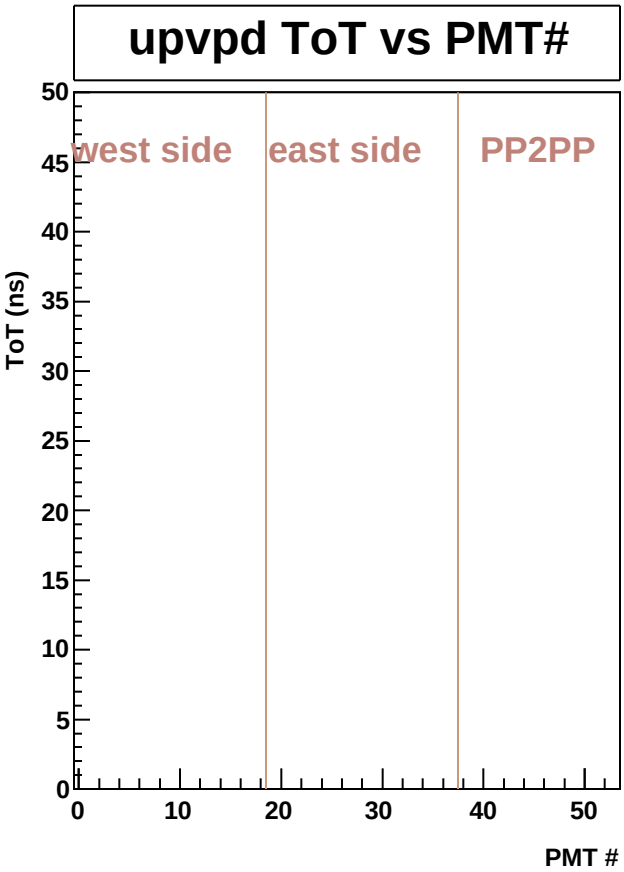

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

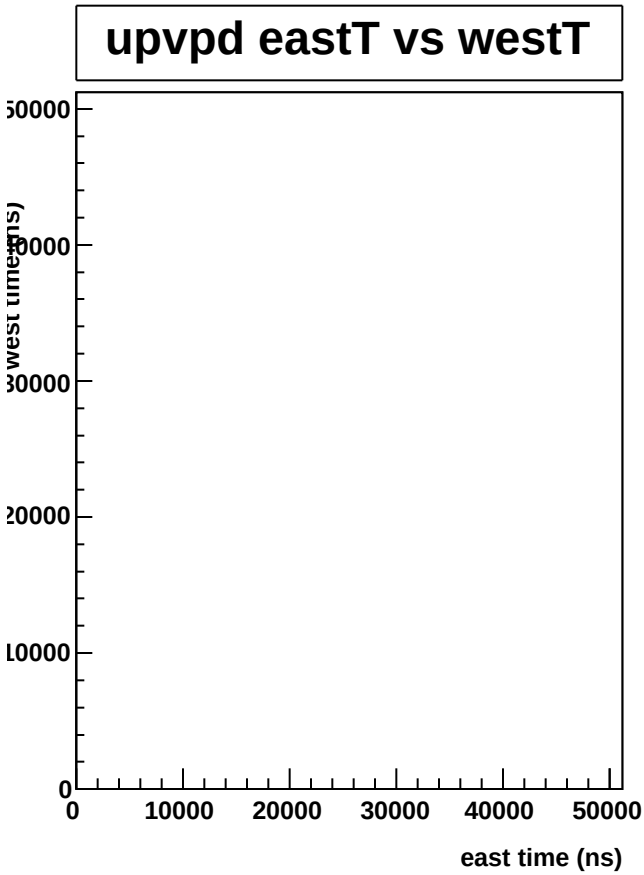

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

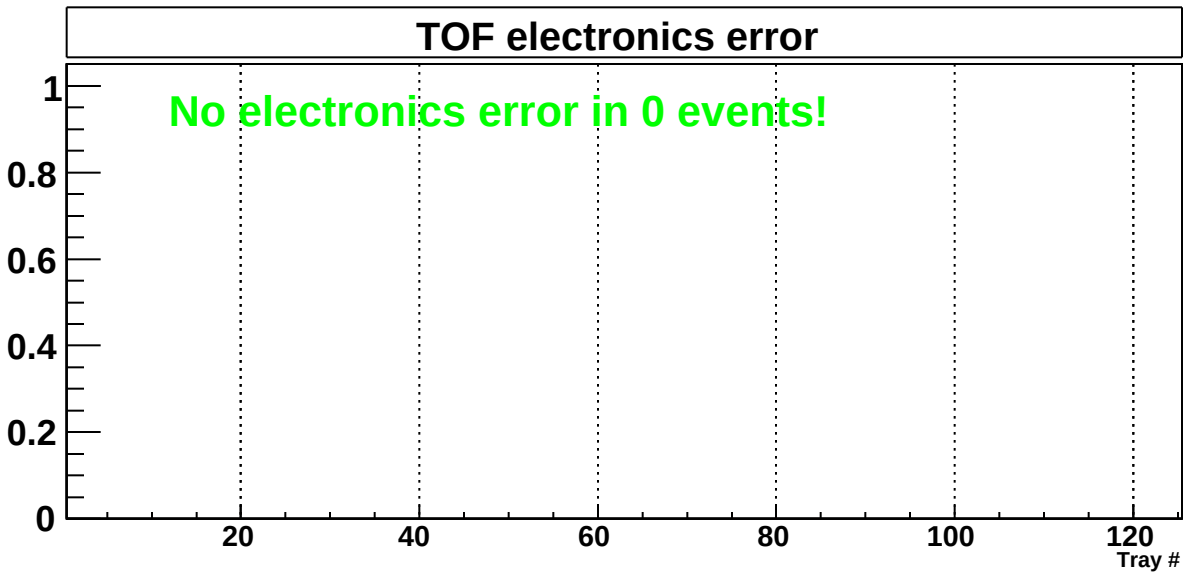

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

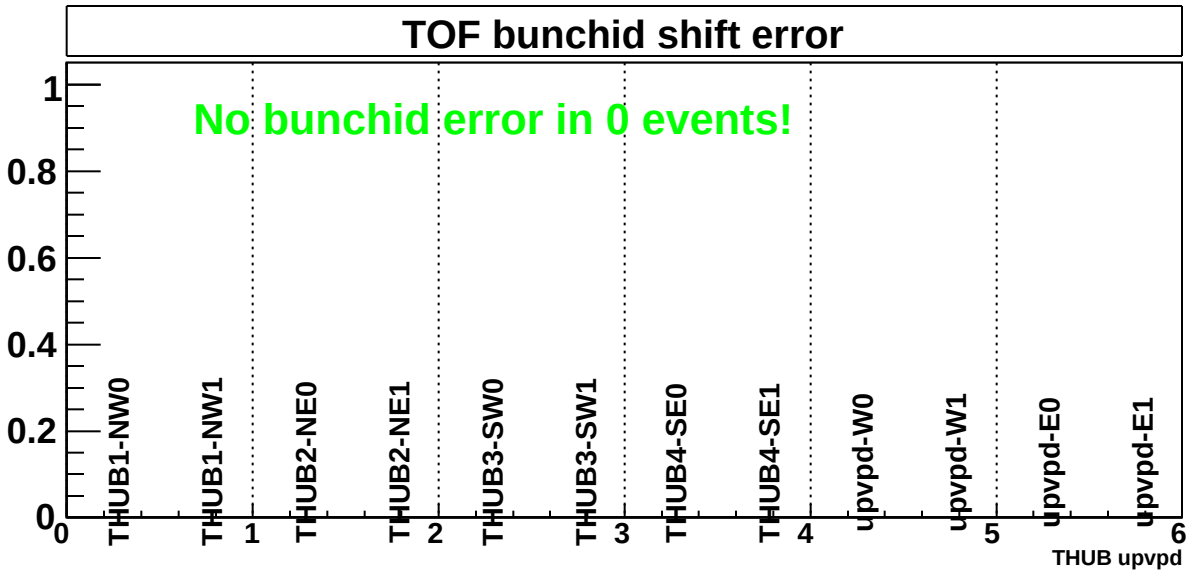

upvpd Leading edge hitmap
Counts
PMT #
west side
east side
PP2PP

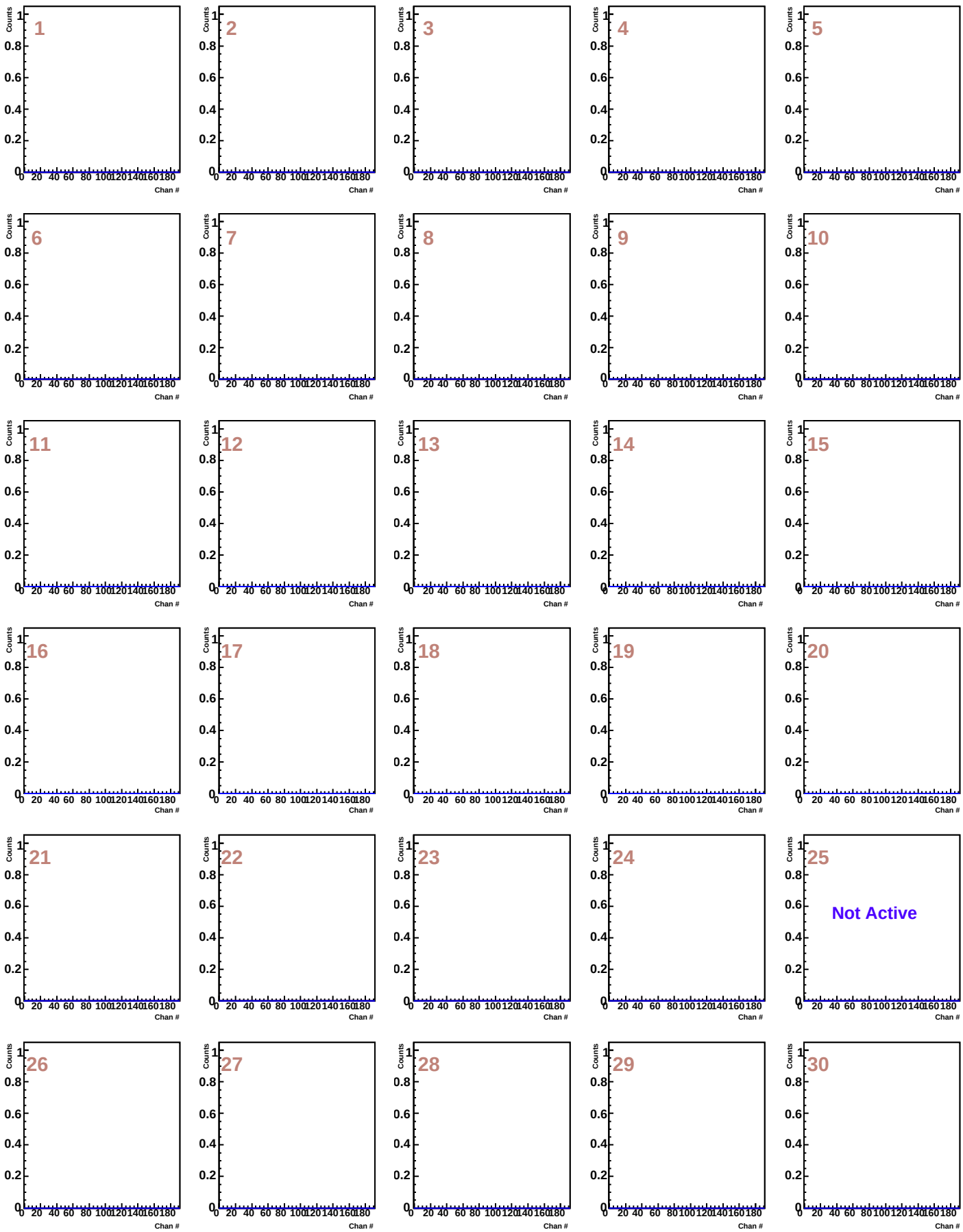

upvpd Trailing edge hitmap
Counts
PMT #
west side
east side
PP2PP


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


upvpd eastT vs westT
east time (ns)


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


TOF bunchid shift error
No bunchid error in 0 events!
1
0.8
0.6
0.4
0.2
0
THUB1-NW0
THUB1-NW1
THUB2-NE0
THUB2-NE1
THUB3-SW0
THUB3-SW1
THUB4-SE0
THUB4-SE1
upvpd-W0
upvpd-W1
upvpd-E0
upvpd-E1
0
1
2
3
4
5
6
THUB upvpd


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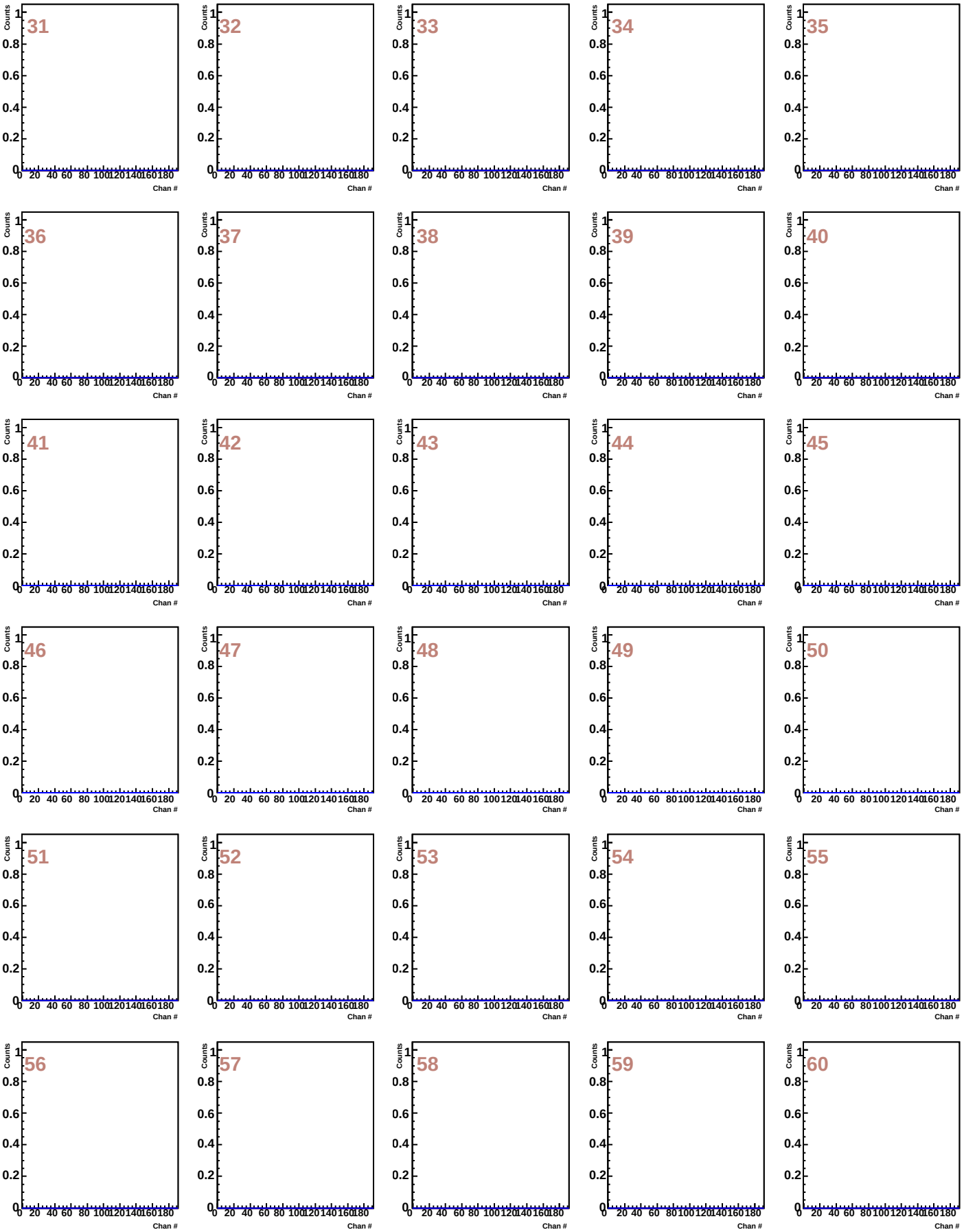
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #


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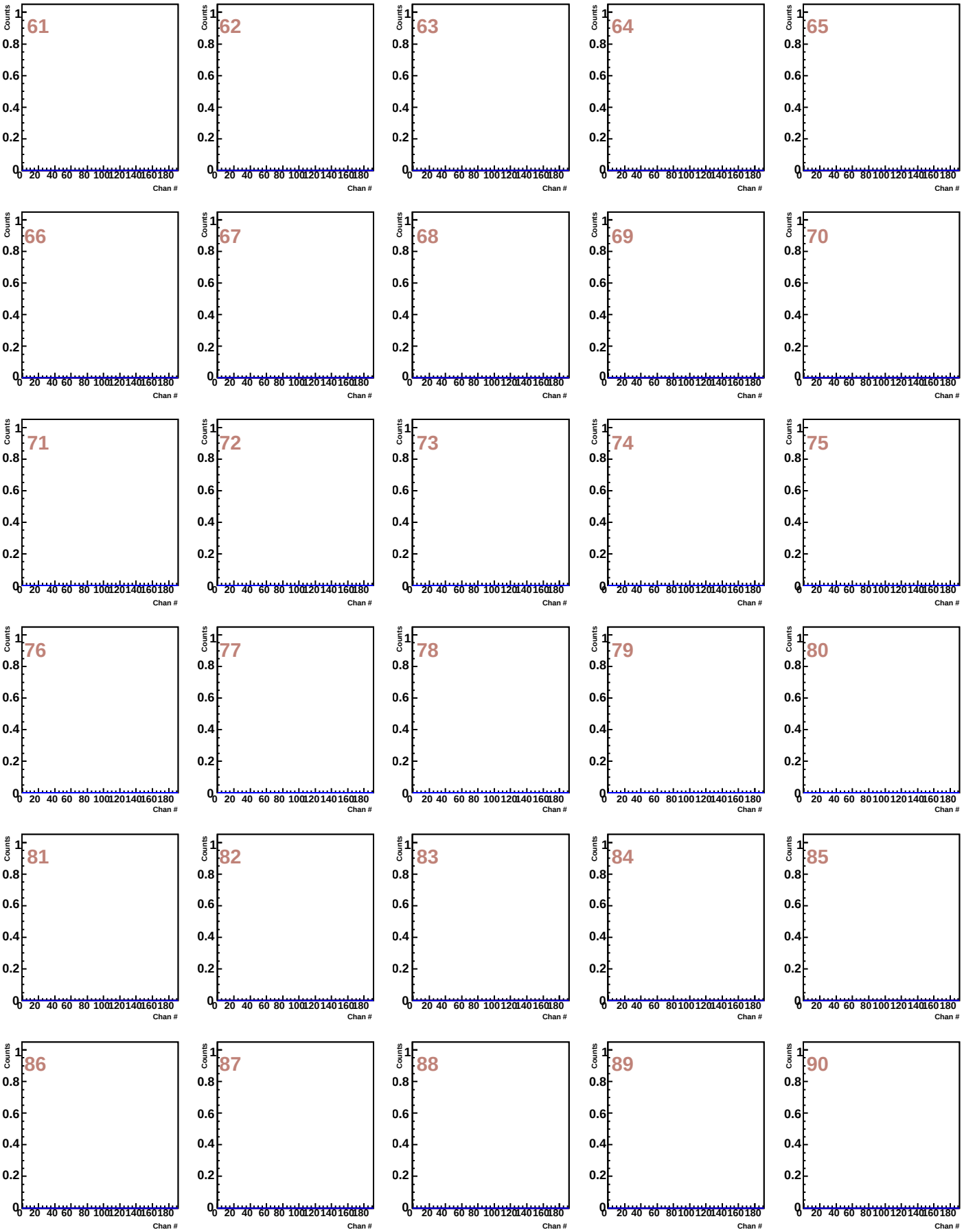
51
52
53
54
55
56
57
58
59
60
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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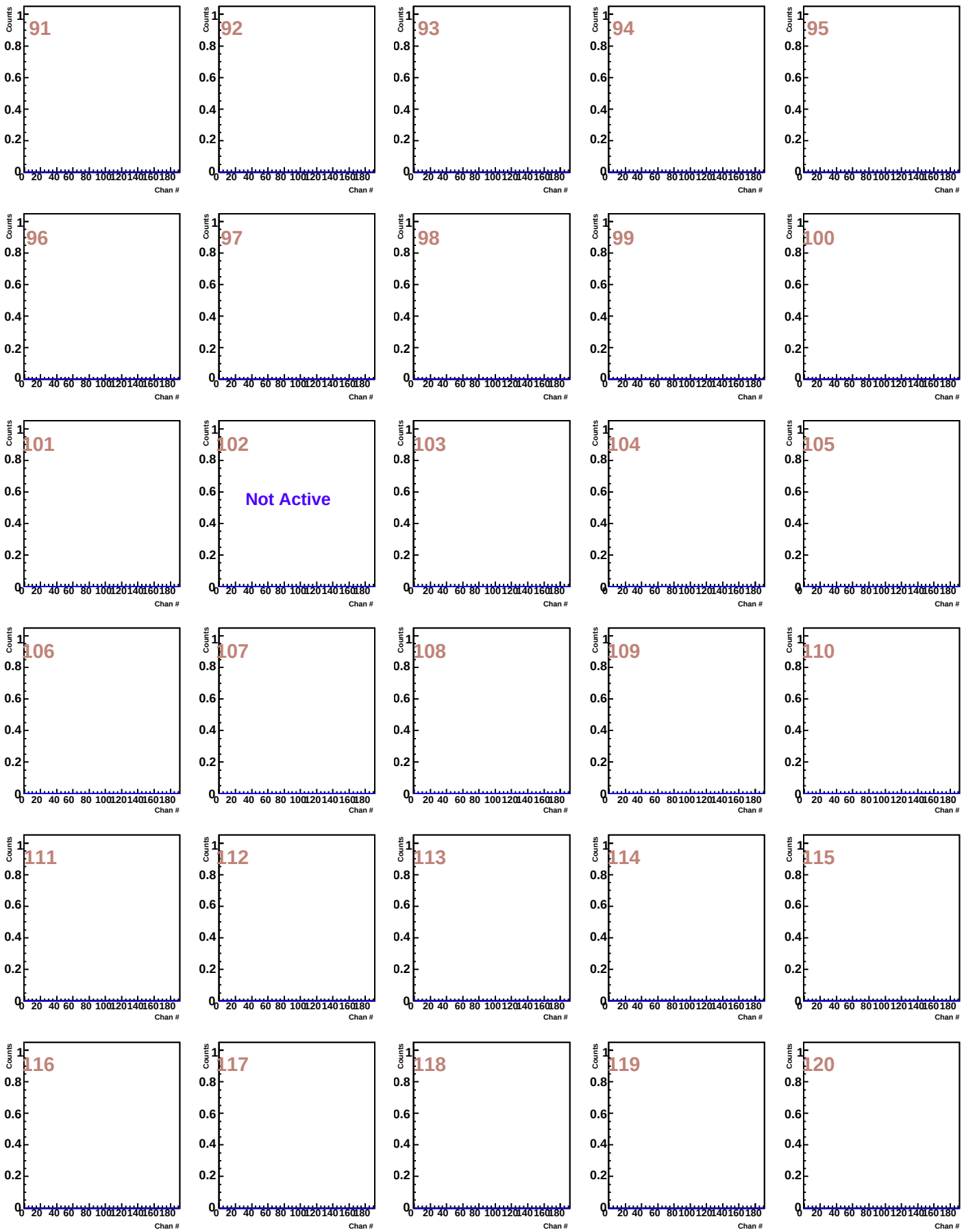
87
88
89
90
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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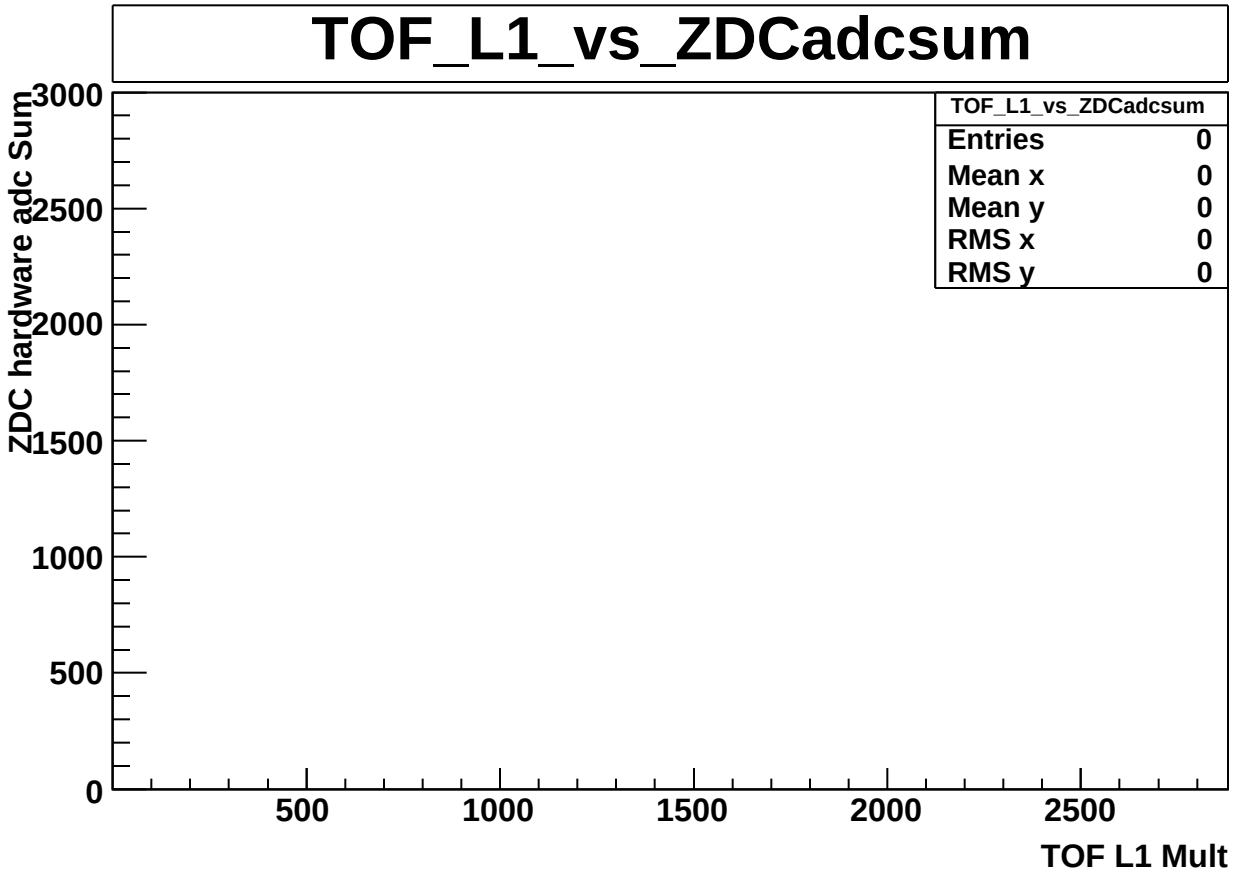
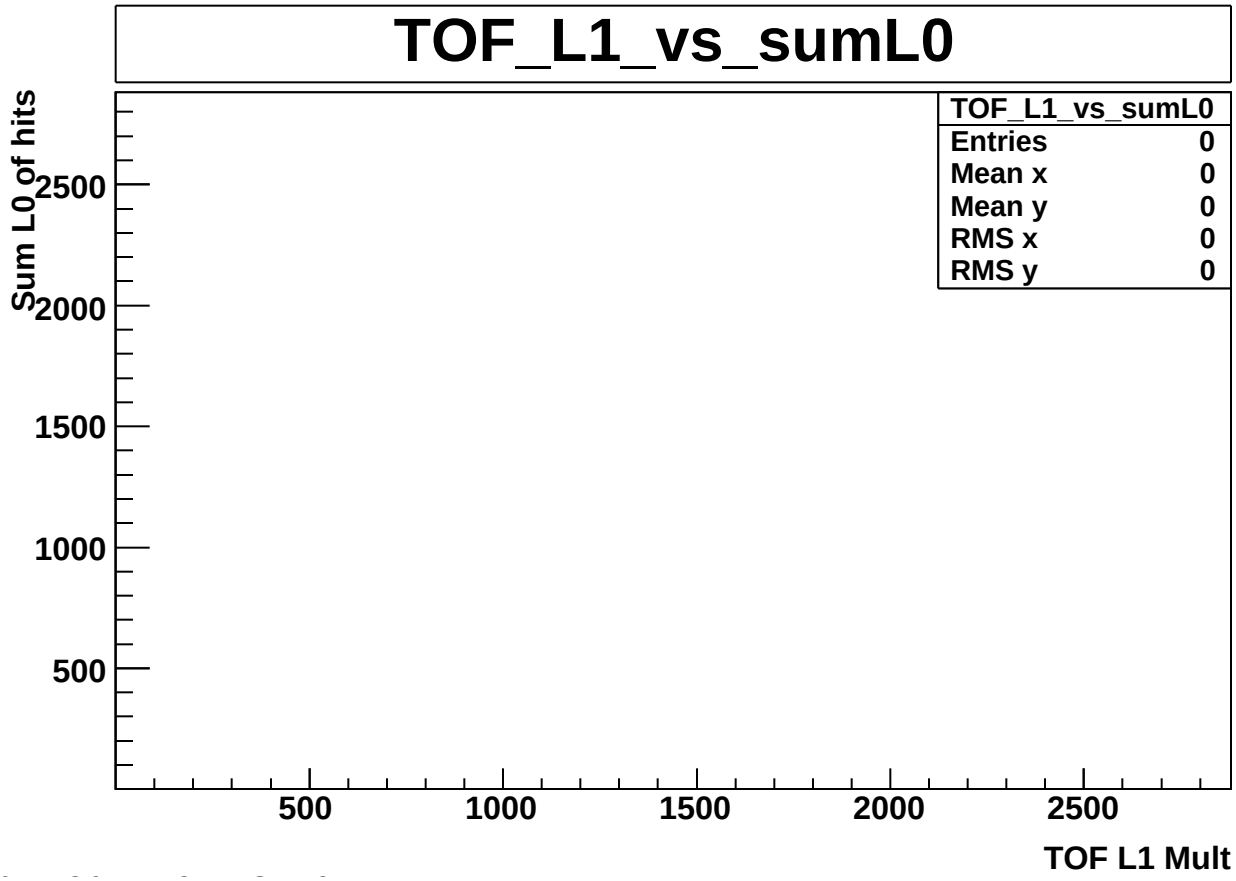
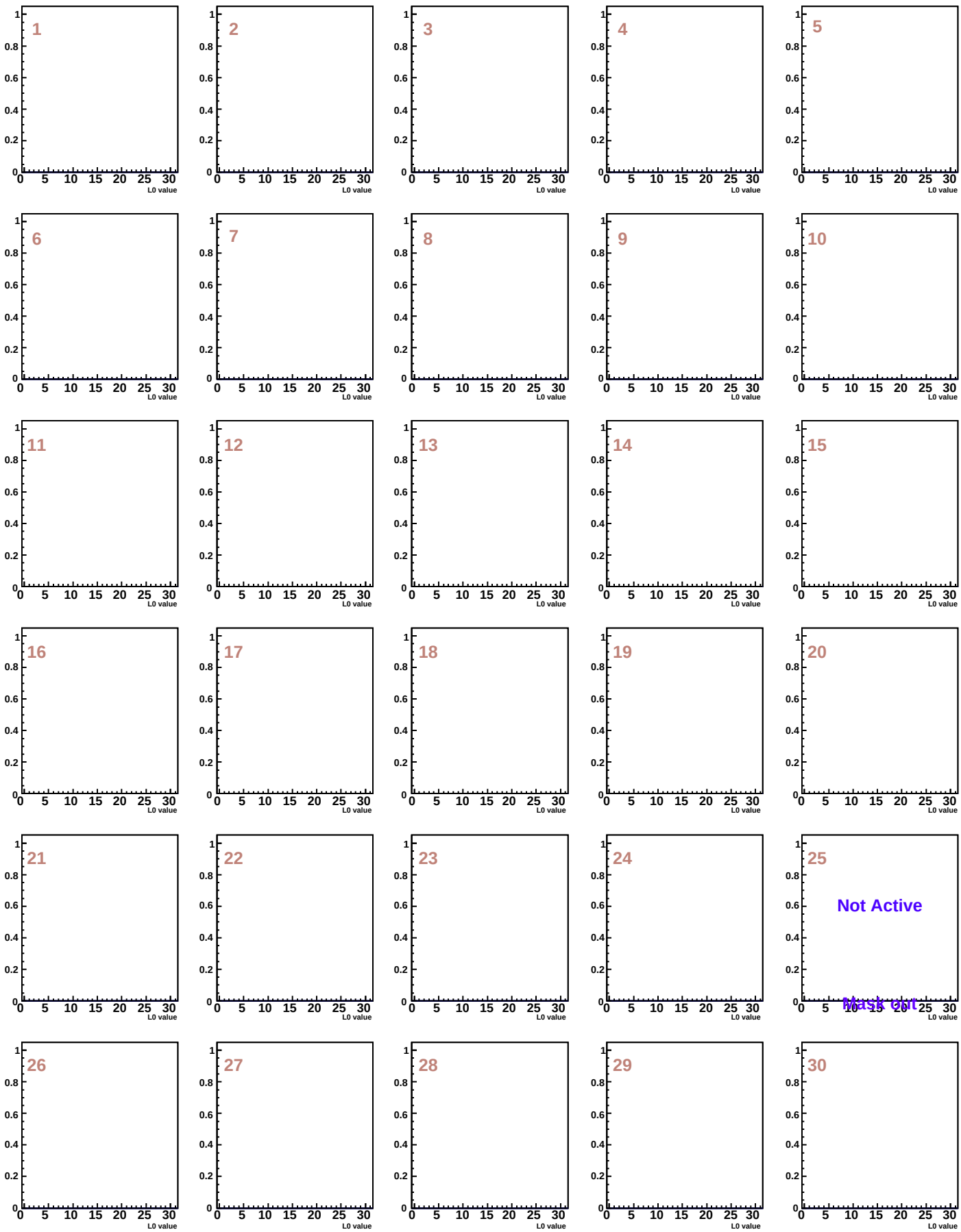
99
100
101
102
Not Active
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
Counts
Chan #


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


TOF_L1_vs_sumL0
TOF_L1_vs_sumL0
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Sum L0 of hits
2500
2000
1500
1000
500
500
1000
1500
2000
2500
TOF L1 Mult


1
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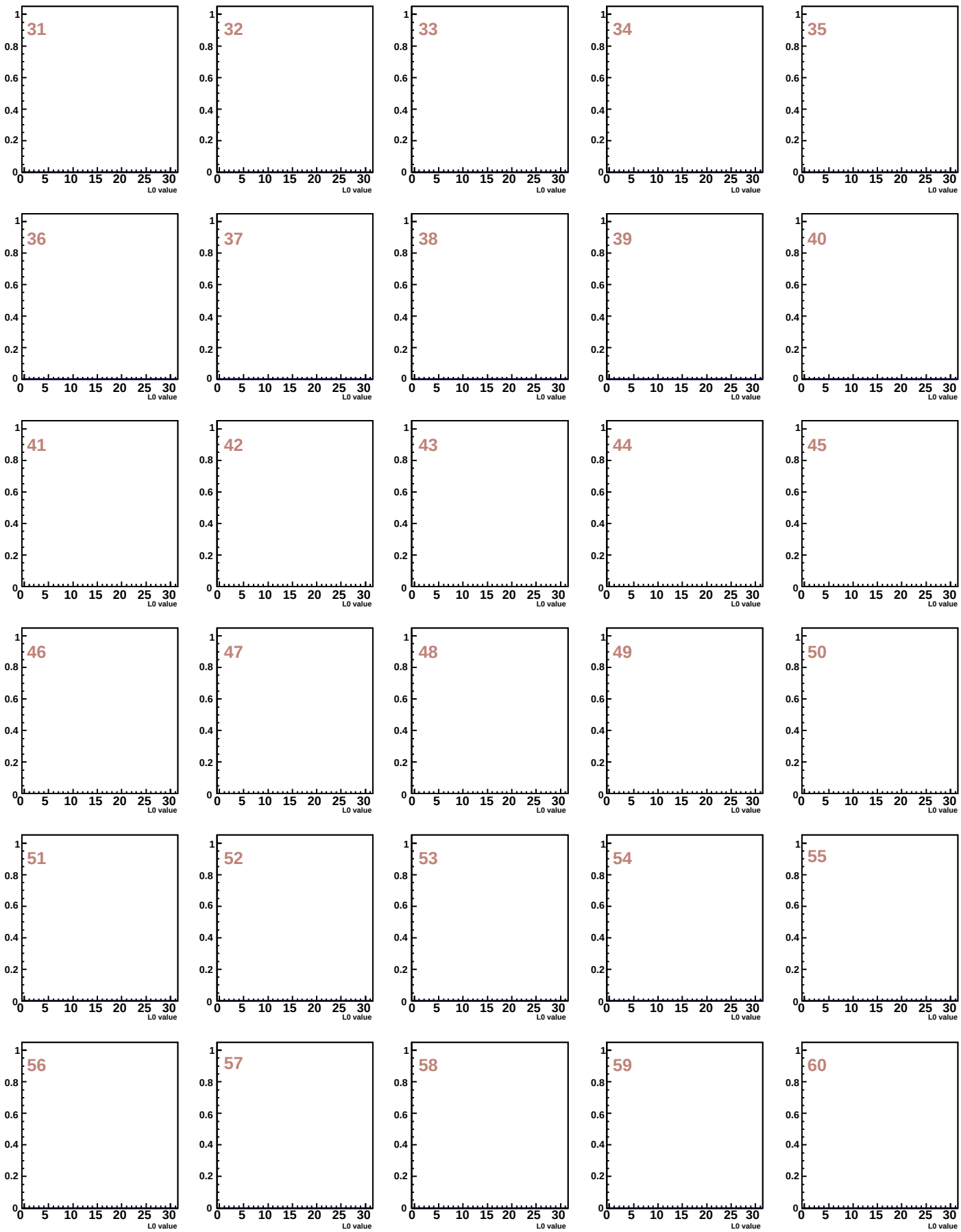
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value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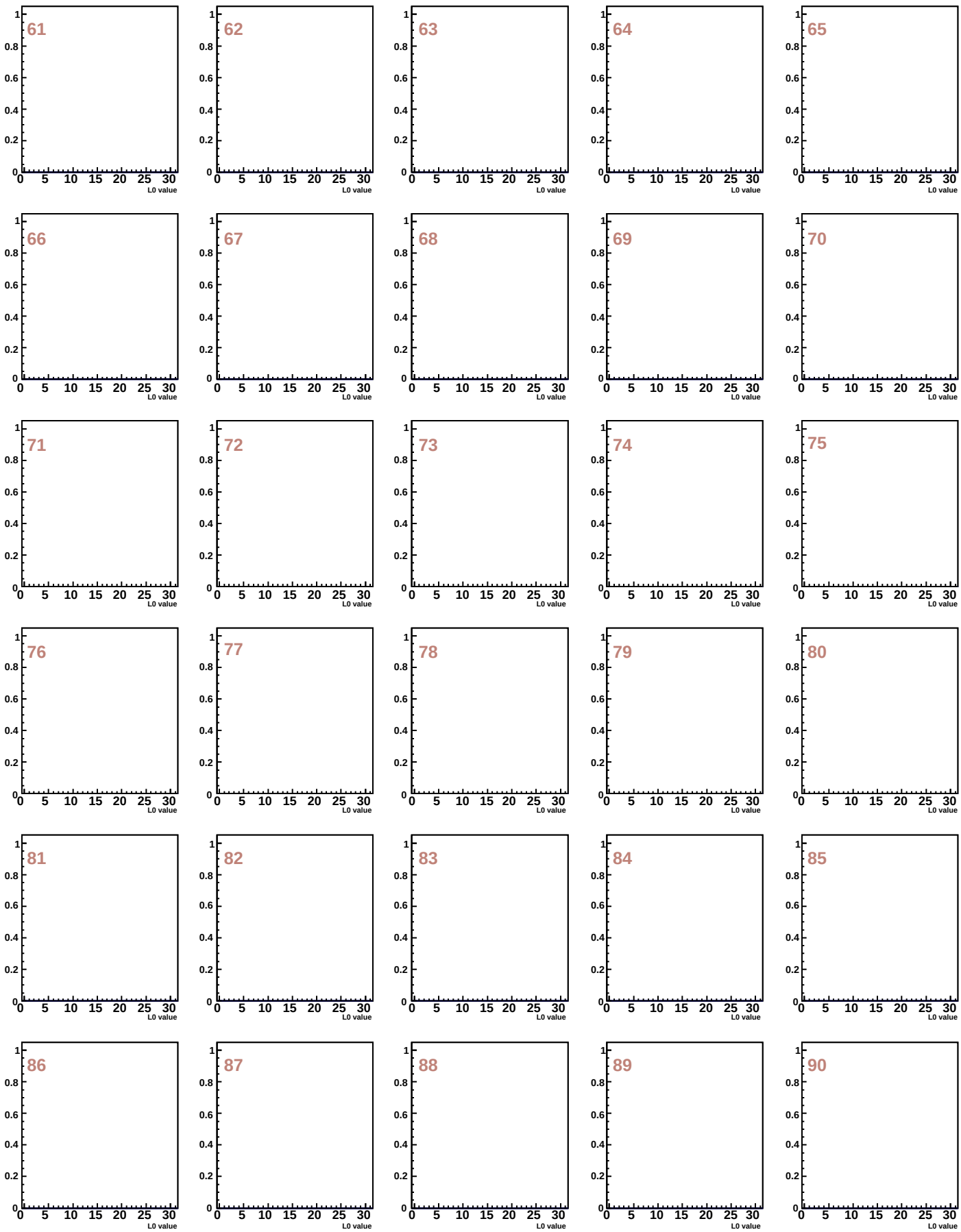
56
57
58
59
60
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value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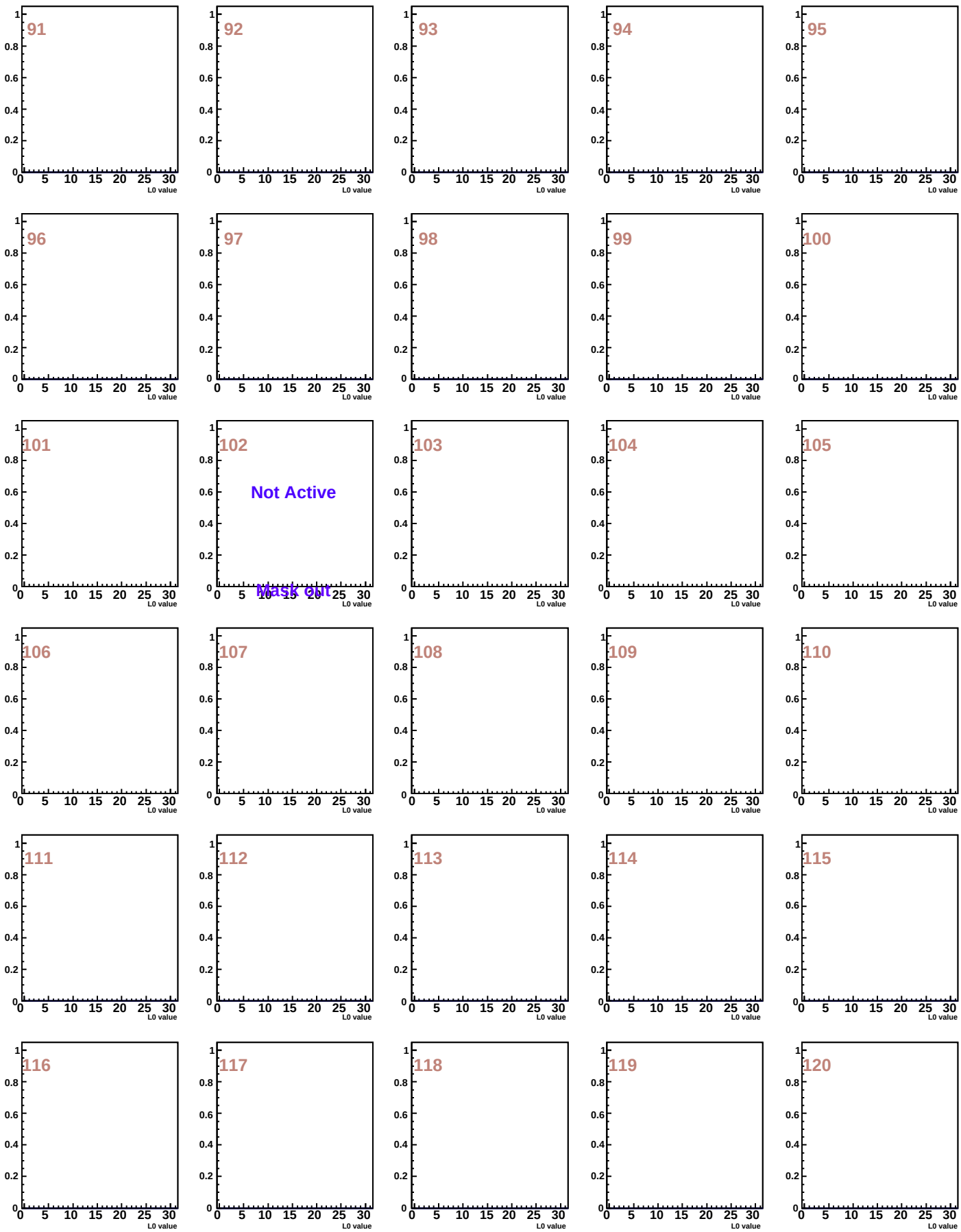
85
86
87
88
89
90
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value


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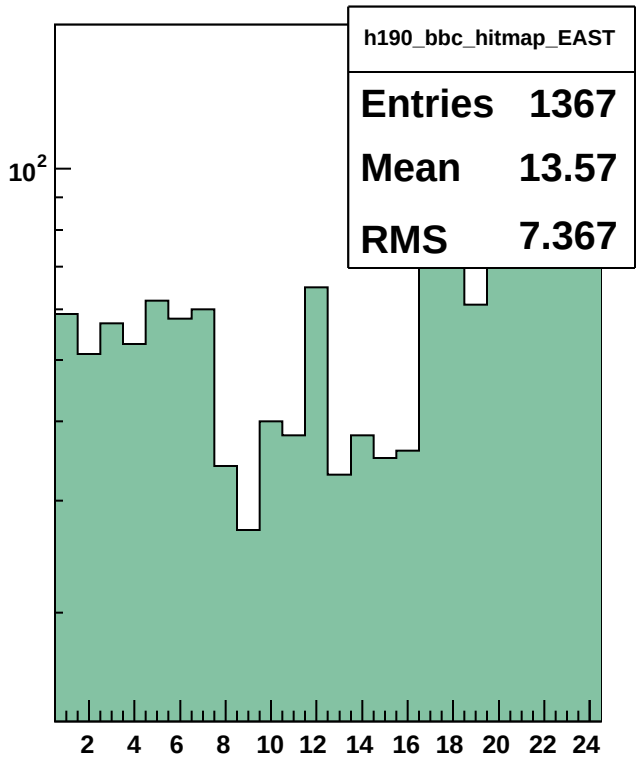
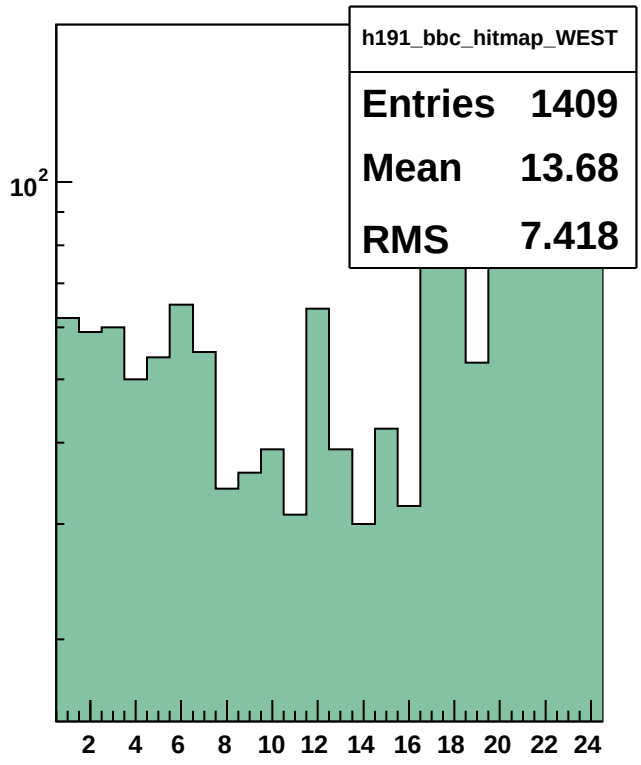
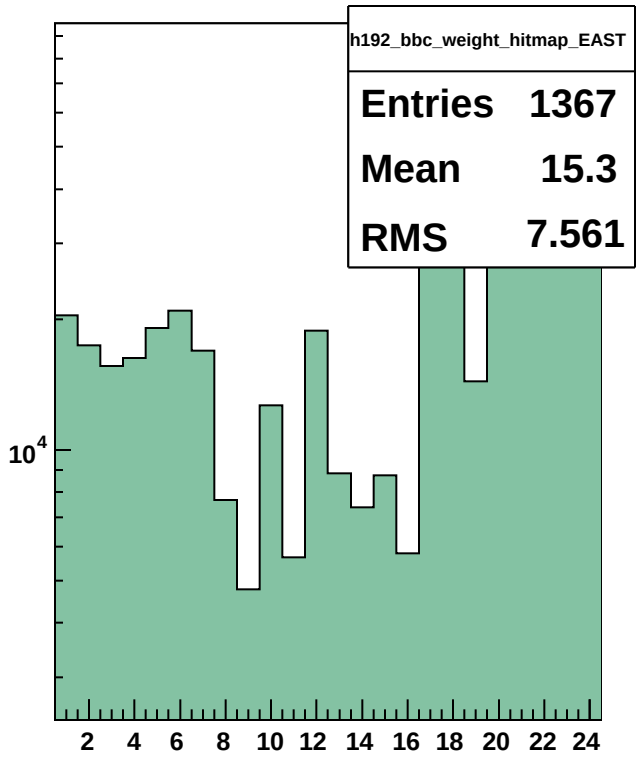
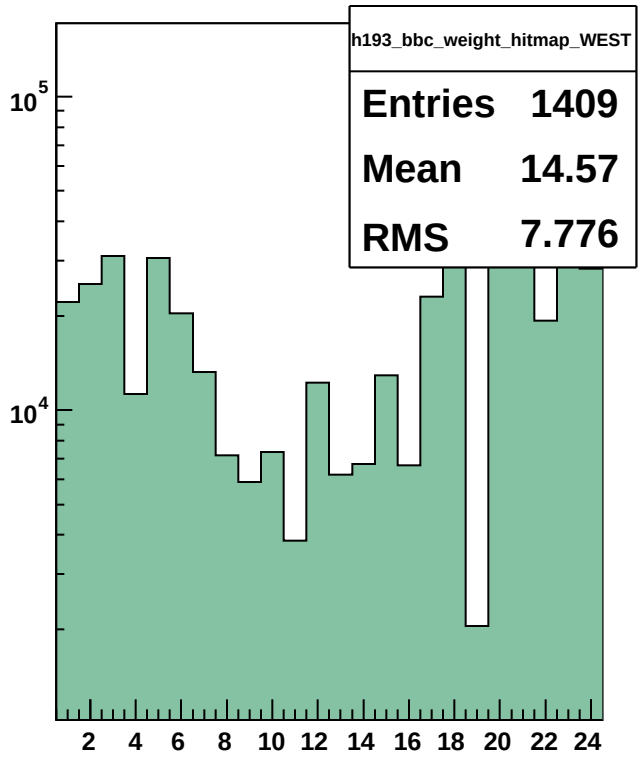
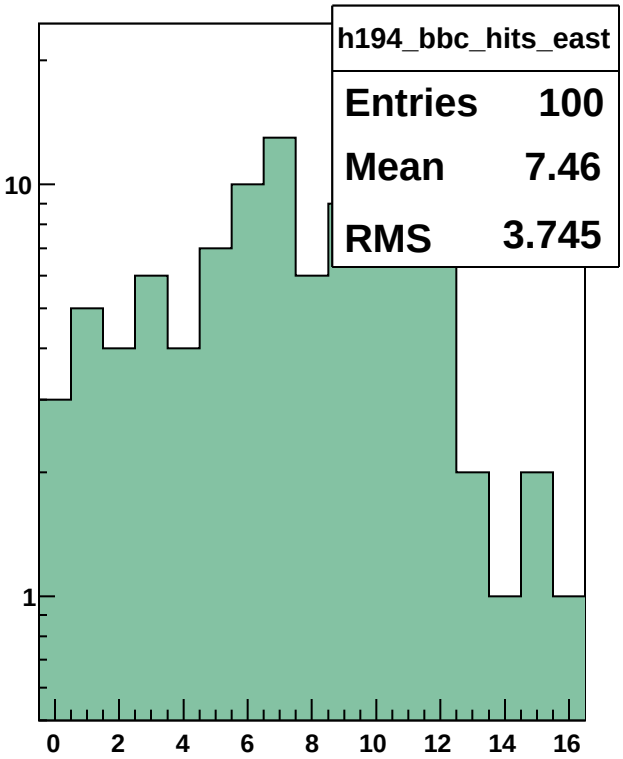
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

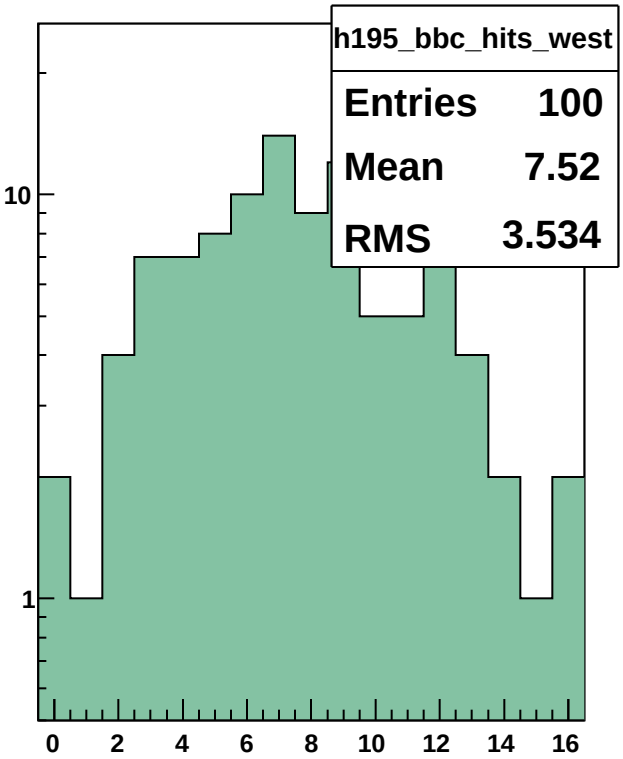

h190_bbc_hitmap_EAST
Entries 1367
Mean 13.57
RMS 7.367
10^2
2 4 6 8 10 12 14 16 18 20 22 24

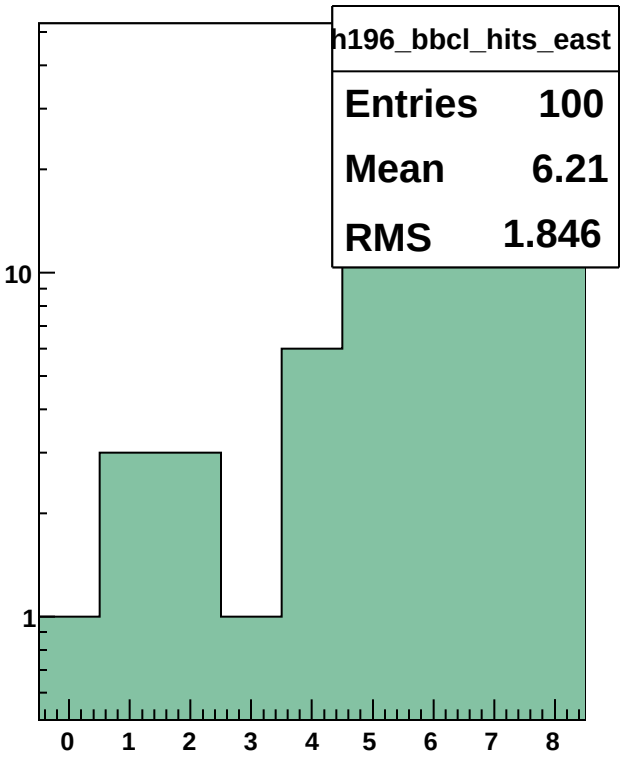

h191_bbc_hitmap_WEST
Entries 1409
Mean 13.68
RMS 7.418
10^2
2 4 6 8 10 12 14 16 18 20 22 24

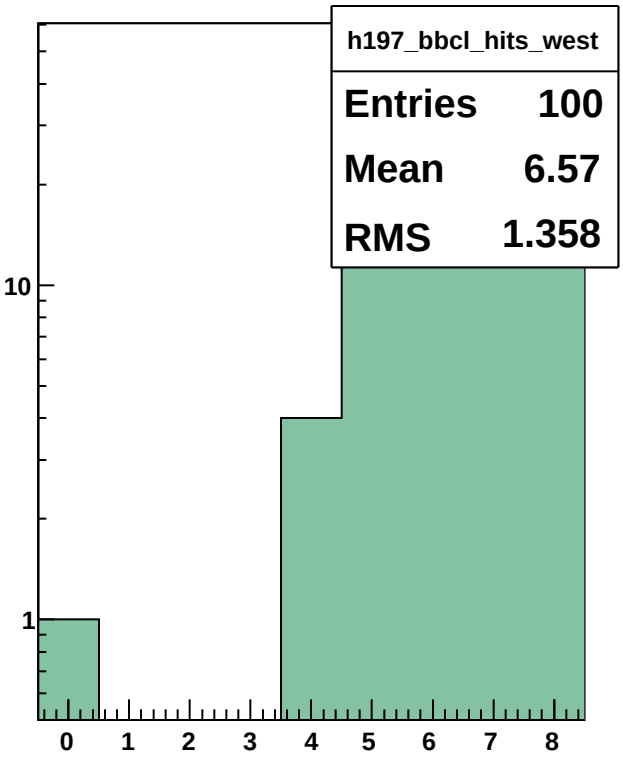

h192_bbc_weight_hitmap_EAST
Entries 1367
Mean 15.3
RMS 7.561
10^4
2 4 6 8 10 12 14 16 18 20 22 24

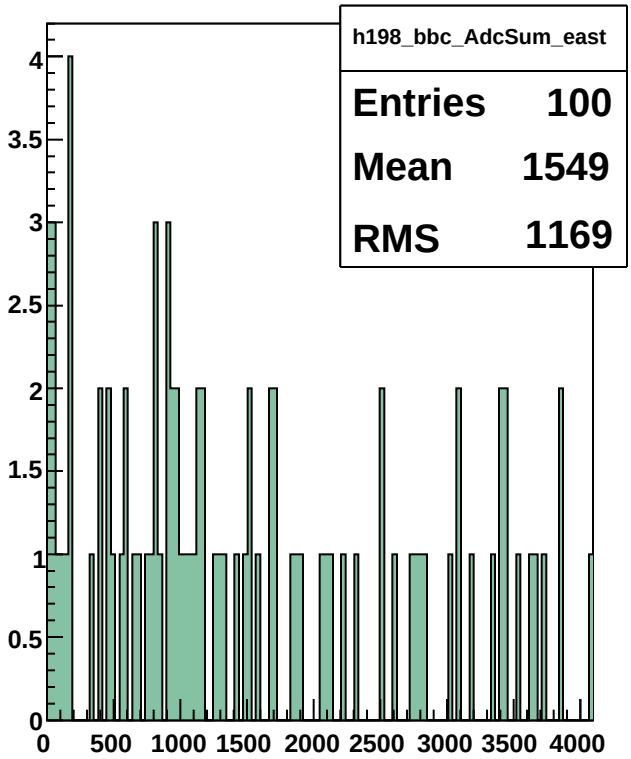

h193_bbc_weight_hitmap_WEST
Entries 1409
Mean 14.57
RMS 7.776
10^5
10^4
2 4 6 8 10 12 14 16 18 20 22 24

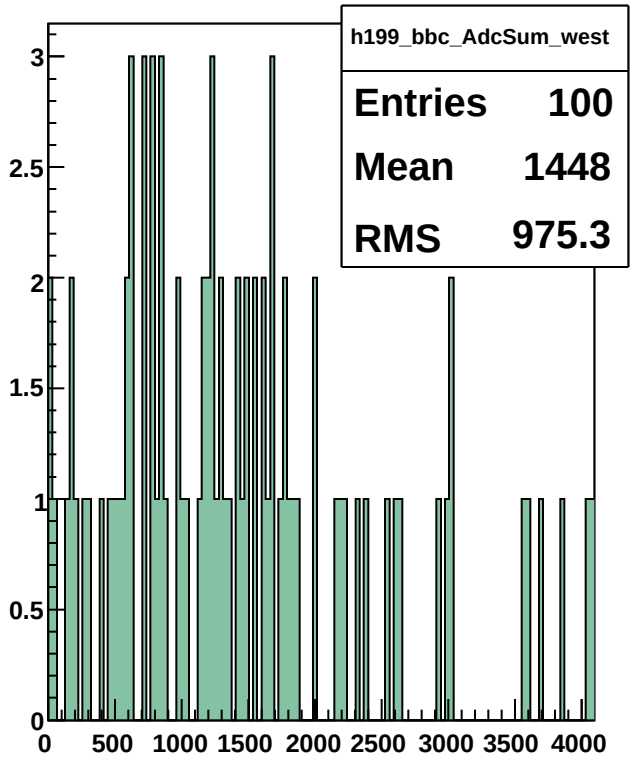

h194_bbc_hits_east
Entries 100
Mean 7.46
RMS 3.745
10
1
0 2 4 6 8 10 12 14 16

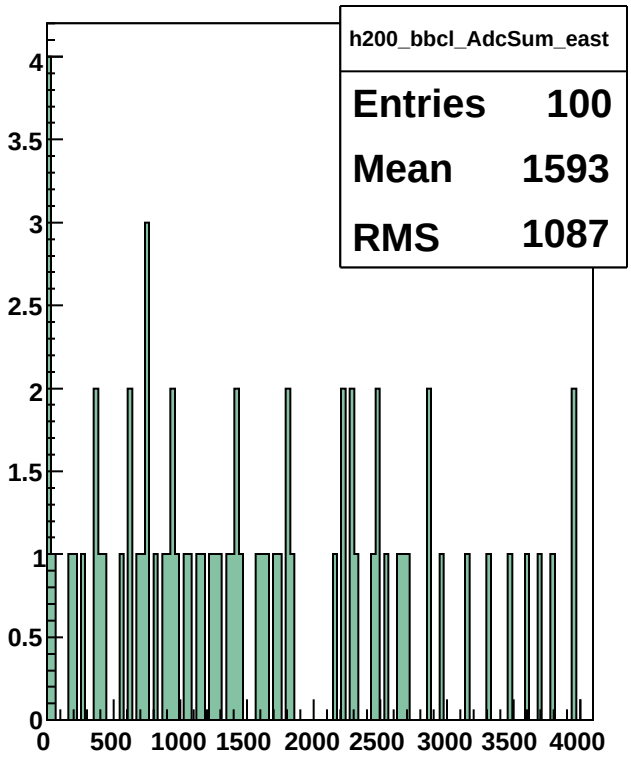

h195_bbc_hits_west
Entries 100
Mean 7.52
RMS 3.534
10
1
0 2 4 6 8 10 12 14 16

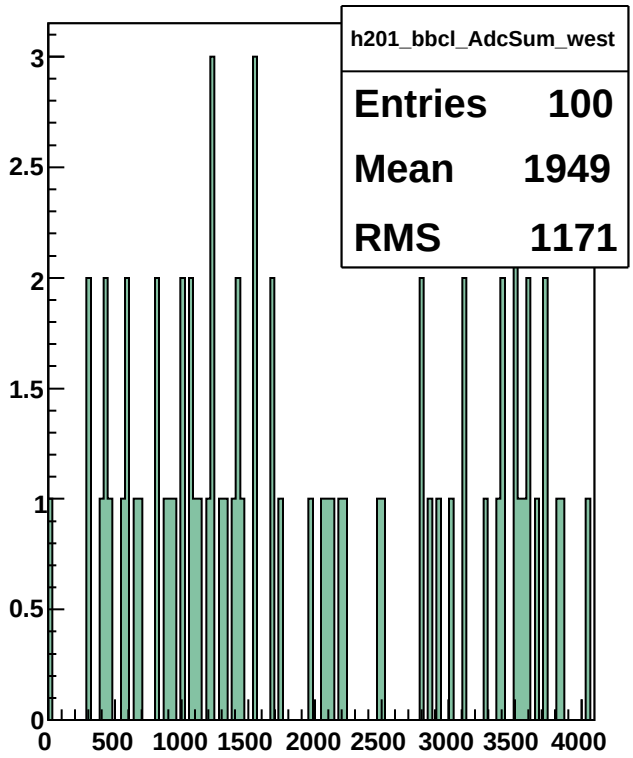

h196_bbcl_hits_east
Entries 100
Mean 6.21
RMS 1.846
10
1
0 1 2 3 4 5 6 7 8

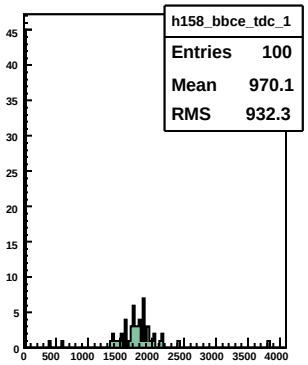

h197_bbcl_hits_west
Entries 100
Mean 6.57
RMS 1.358
10
1
0 1 2 3 4 5 6 7 8

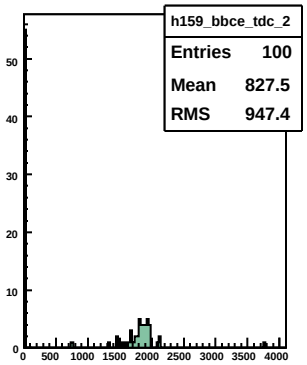

h198_bbc_AdcSum_east
Entries 100
Mean 1549
RMS 1169

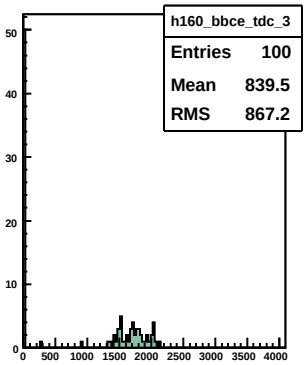

h199_bbc_AdcSum_west
Entries 100
Mean 1448
RMS 975.3

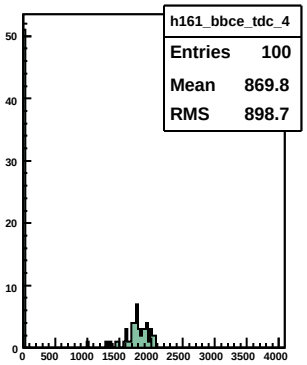

h200_bbcl_AdcSum_east
Entries 100
Mean 1593
RMS 1087

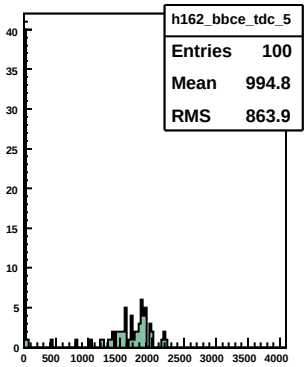

h201_bbcl_AdcSum_west
Entries 100
Mean 1949
RMS 1171

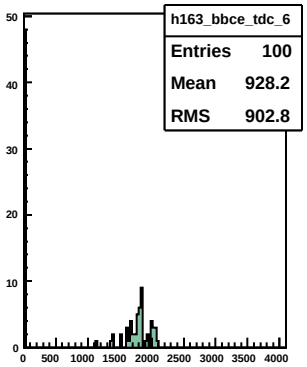

h158_bbce_tdc_1
Entries 100
Mean 970.1
RMS 932.3

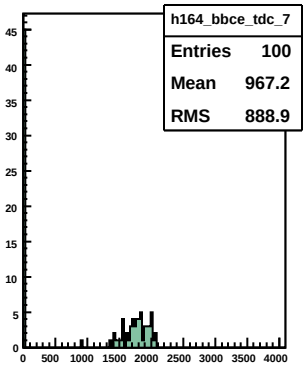

h159_bbce_tdc_2
Entries 100
Mean 827.5
RMS 947.4

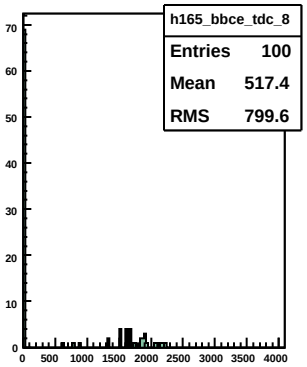

h160_bbce_tdc_3
Entries 100
Mean 839.5
RMS 867.2

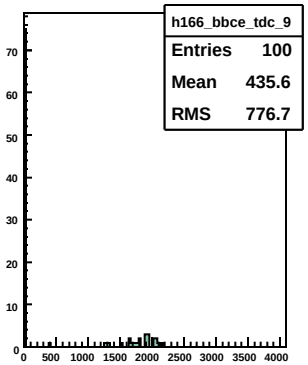

h161_bbce_tdc_4
Entries 100
Mean 869.8
RMS 898.7

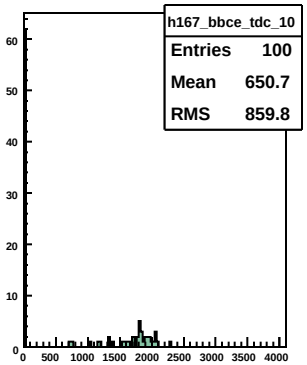

h162_bbce_tdc_5
Entries 100
Mean 994.8
RMS 863.9

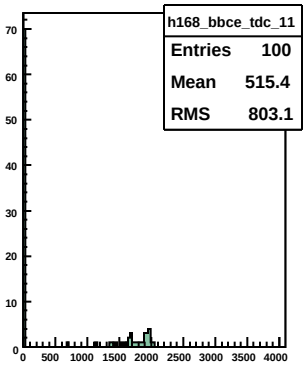

h163_bbce_tdc_6
Entries 100
Mean 928.2
RMS 902.8

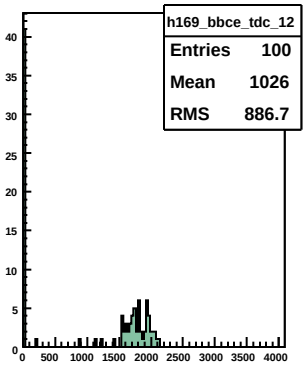

h164_bbce_tdc_7
Entries 100
Mean 967.2
RMS 888.9

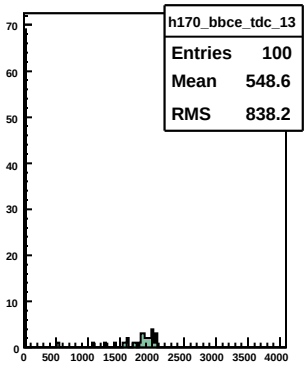

h165_bbce_tdc_8
Entries 100
Mean 517.4
RMS 799.6

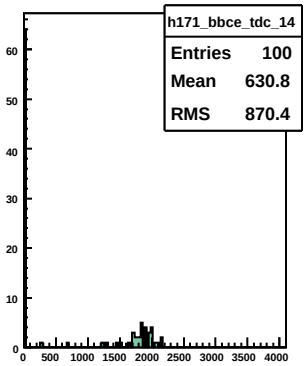

h166_bbce_tdc_9
Entries 100
Mean 435.6
RMS 776.7

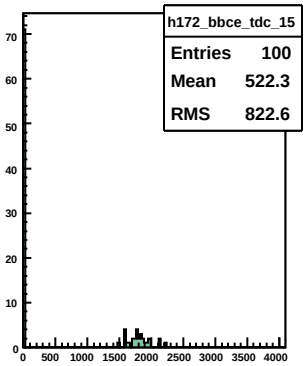

h167_bbce_tdc_10
Entries 100
Mean 650.7
RMS 859.8

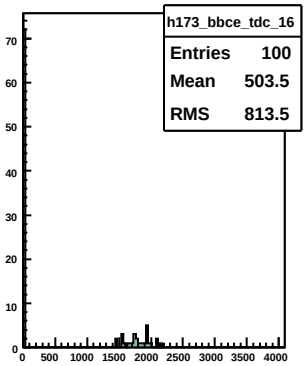

h168_bbce_tdc_11
Entries 100
Mean 515.4
RMS 803.1

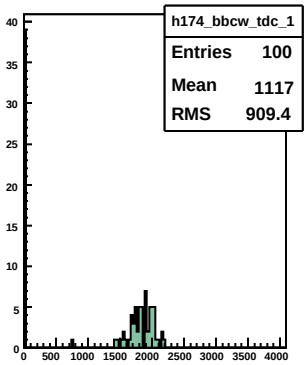

h169_bbce_tdc_12
Entries 100
Mean 1026
RMS 886.7

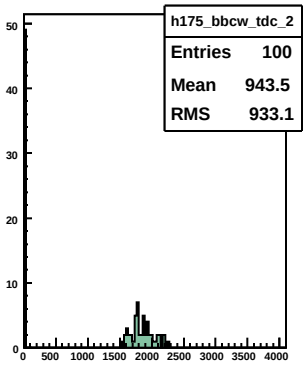

h170_bbce_tdc_13
Entries 100
Mean 548.6
RMS 838.2

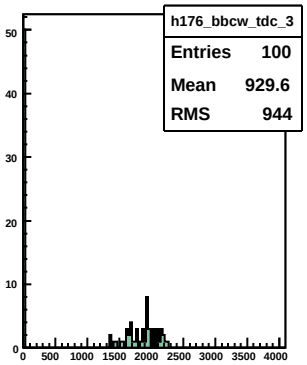

h171_bbce_tdc_14
Entries 100
Mean 630.8
RMS 870.4

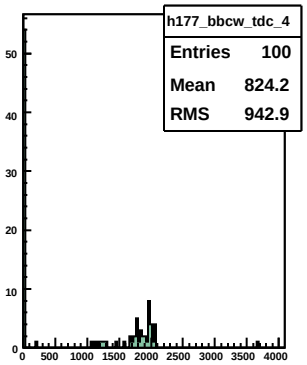

h172_bbce_tdc_15
Entries 100
Mean 522.3
RMS 822.6

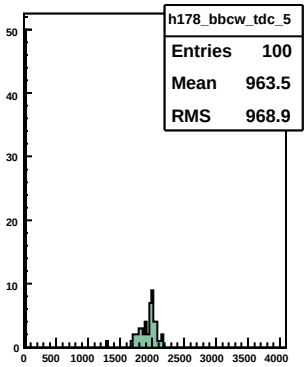

h173_bbce_tdc_16
Entries 100
Mean 503.5
RMS 813.5

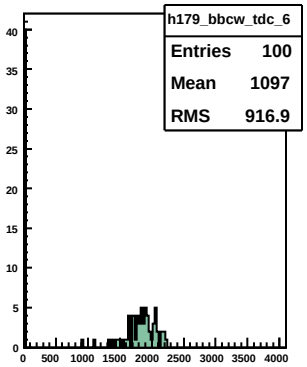

h174_bbcw_tdc_1
Entries 100
Mean 1117
RMS 909.4

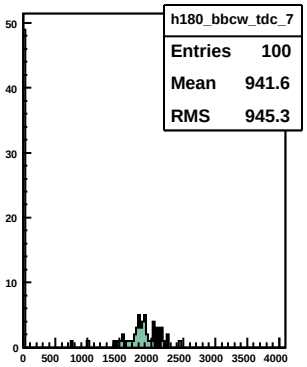

h175_bbcw_tdc_2
Entries 100
Mean 943.5
RMS 933.1


h176_bbcw_tdc_3
Entries 100
Mean 929.6
RMS 944


h177_bbcw_tdc_4
Entries 100
Mean 824.2
RMS 942.9


h178_bbcw_tdc_5
Entries 100
Mean 963.5
RMS 968.9


h179_bbcw_tdc_6
Entries 100
Mean 1097
RMS 916.9


h180_bbcw_tdc_7
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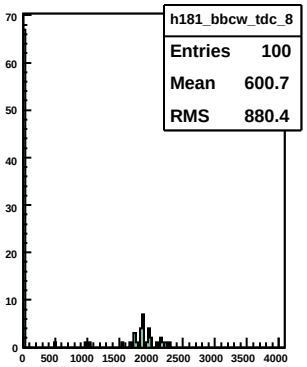
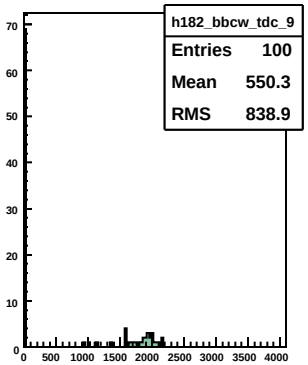
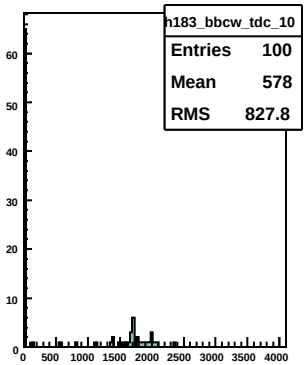
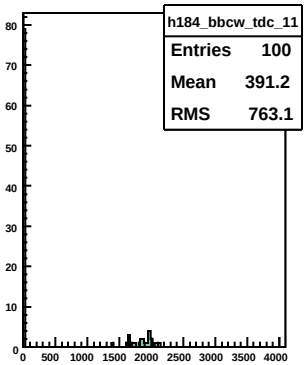
Mean 941.6
RMS 945.3


h181_bbcw_tdc_8
Entries 100
Mean 600.7
RMS 880.4


h182_bbcw_tdc_9
Entries 100
Mean 550.3
RMS 838.9


h183_bbcw_tdc_10
Entries 100
Mean 578
RMS 827.8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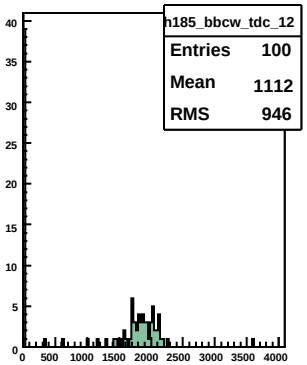
Mean 391.2
RMS 763.1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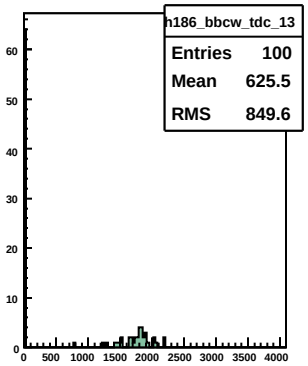
Mean 1112
RMS 946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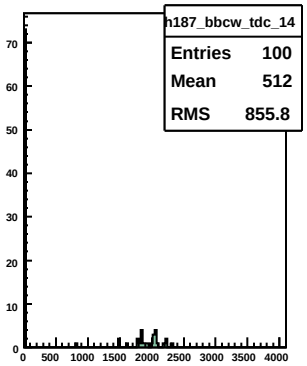
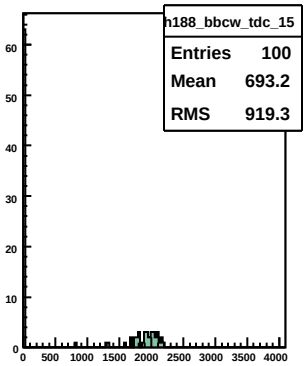
Entries 100
Mean 625.5
RMS 849.6


h187_bbcw_tdc_14
Entries 100
Mean 512
RMS 855.8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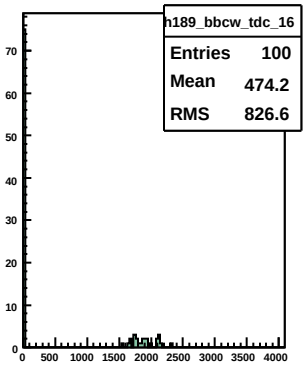
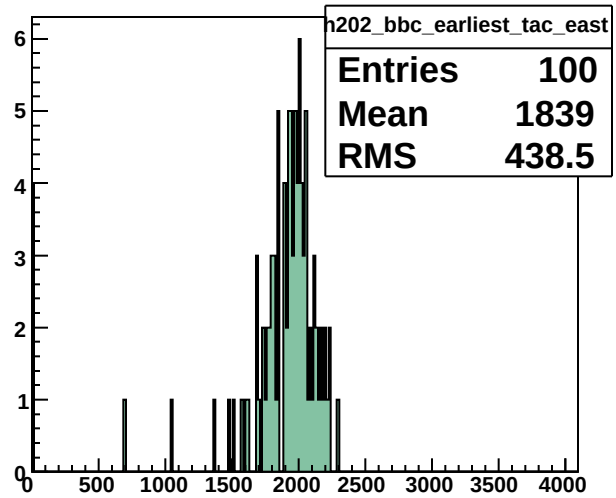
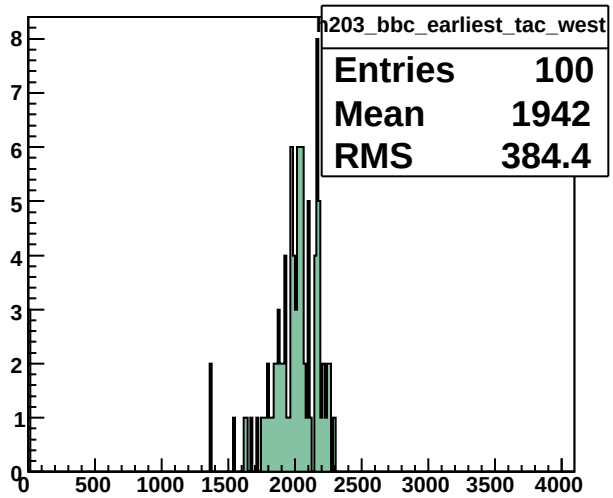
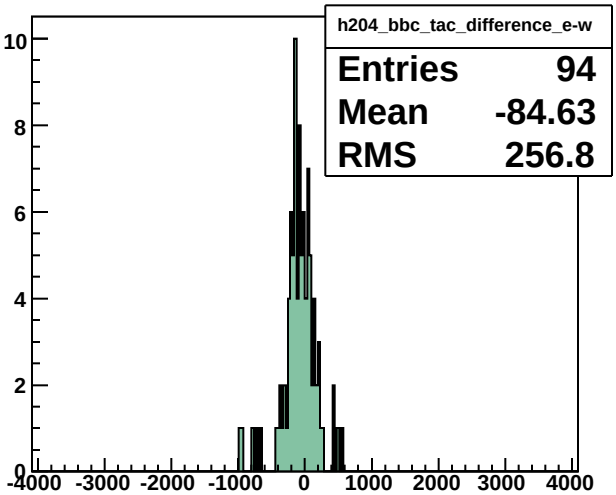
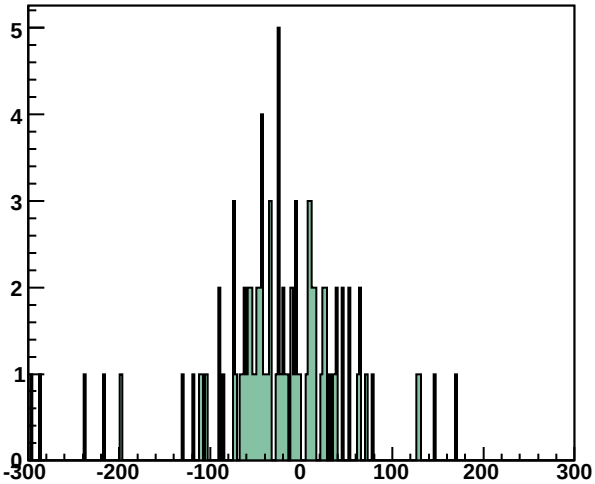
Mean 693.2
RMS 919.3

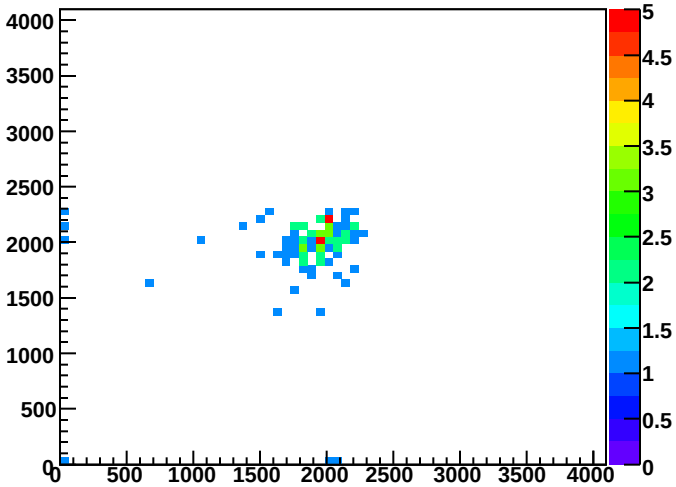

h189_bbcw_tdc_16
Entries 100
Mean 474.2
RMS 826.6

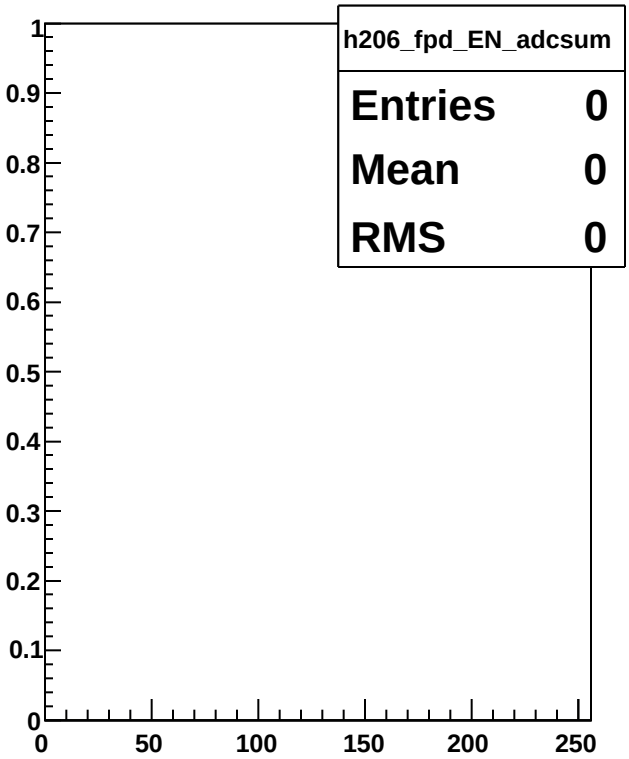

h202_bbc_earliest_tac_east
Entries 100
Mean 1839
RMS 438.5

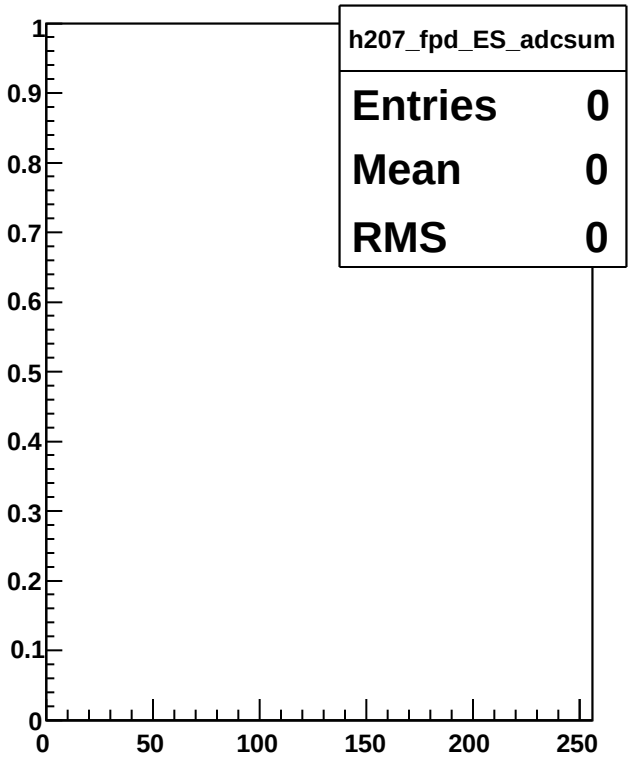

h203_bbc_earliest_tac_west
Entries 100
Mean 1942
RMS 384.4


h204_bbc_tac_difference_e-w
Entries 94
Mean -84.63
RMS 256.8






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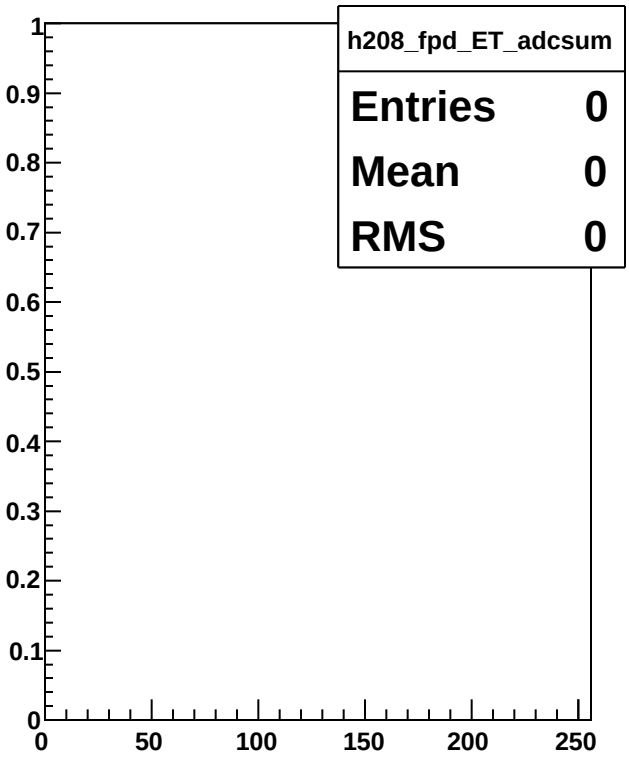
RMS 0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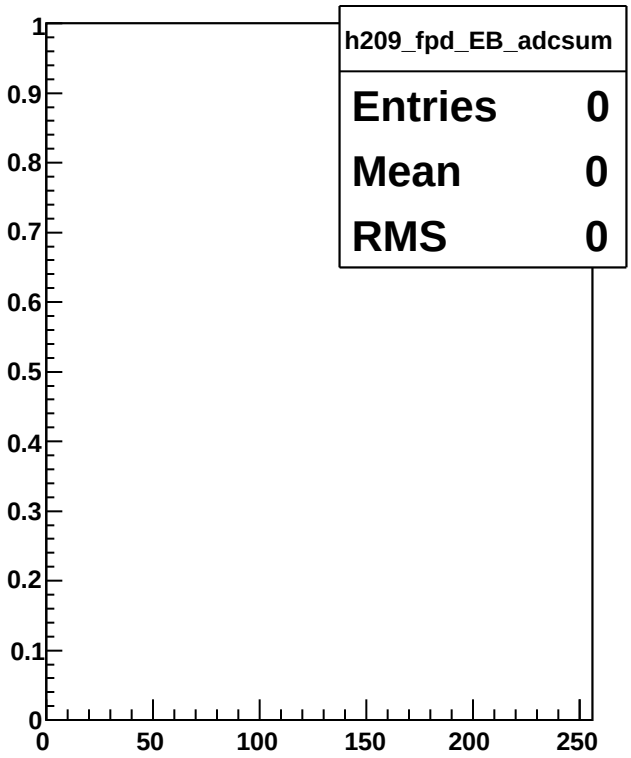
Mean 0
RMS 0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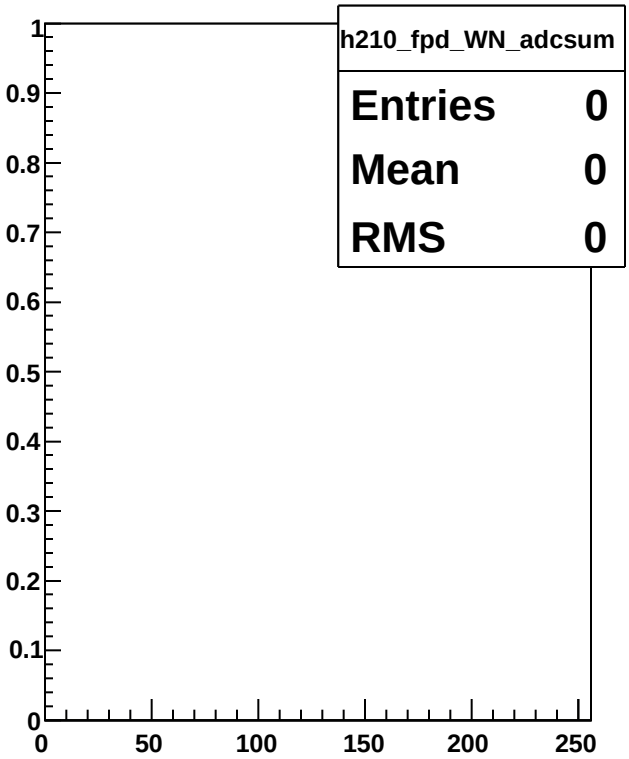
Mean 0
RMS 0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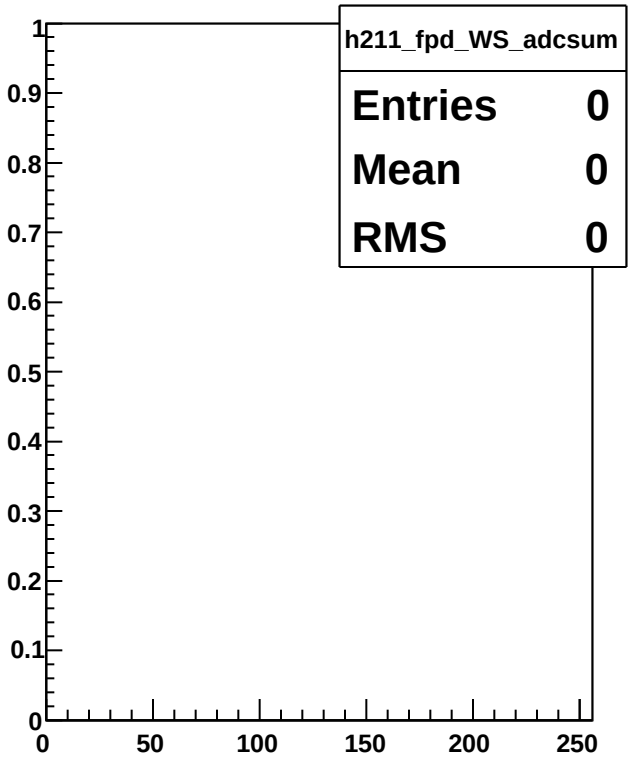
RMS 0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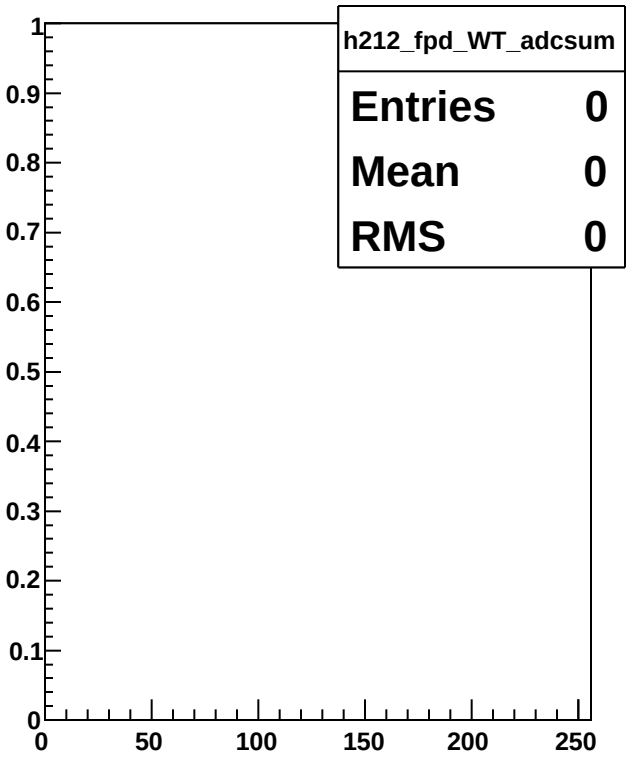
Entries 0
Mean 0
RMS 0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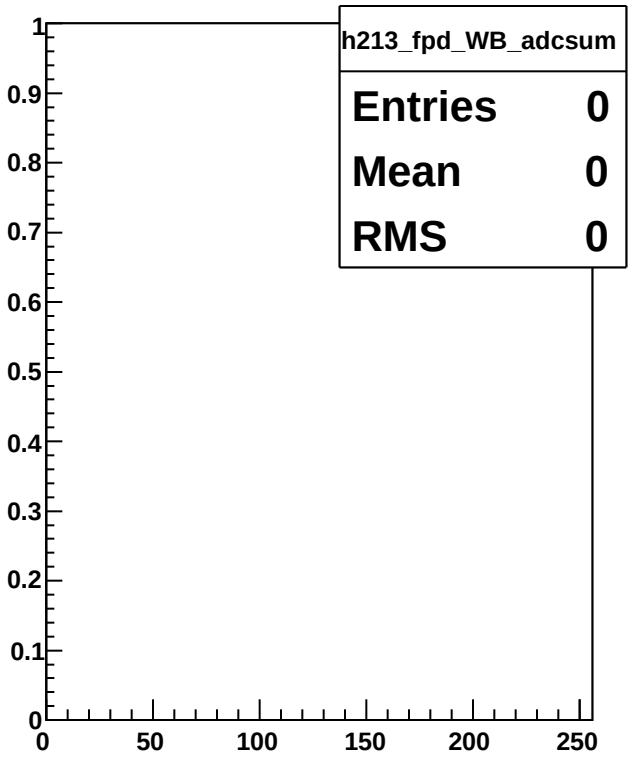
Entries 0
Mean 0
RMS 0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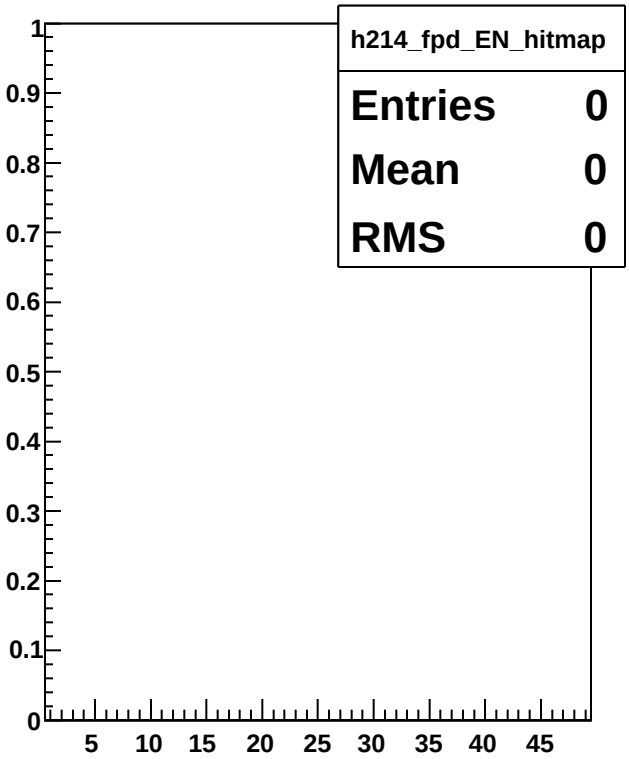
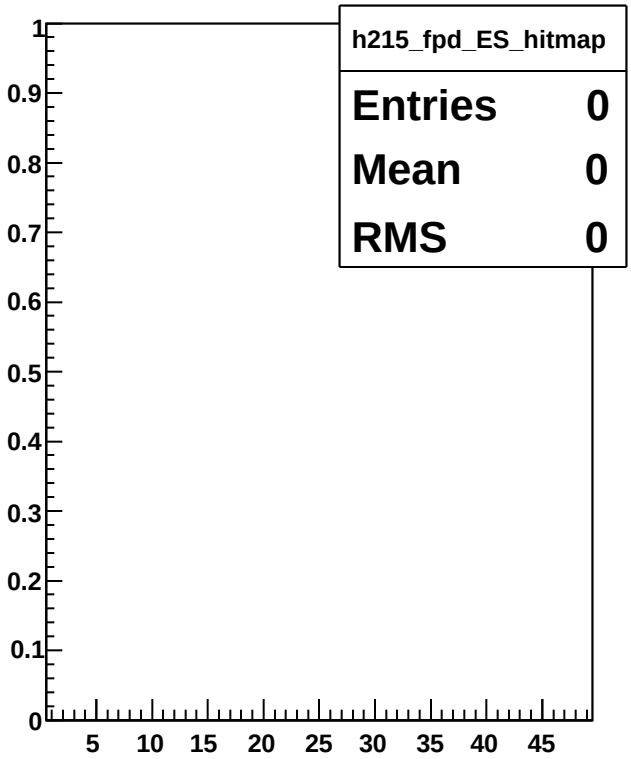
Entries 0
Mean 0
RMS 0


h214_fpd_EN_hitmap
Entries 0
Mean 0
RMS 0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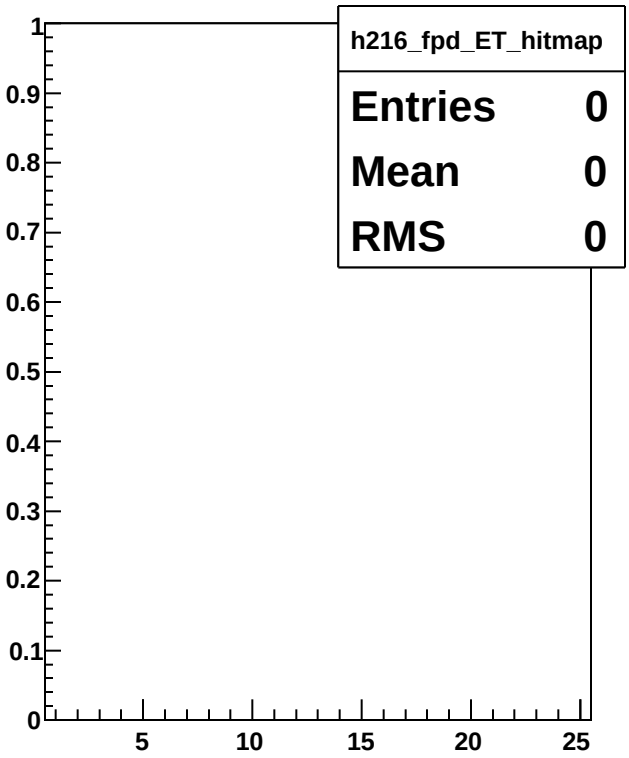
Entries 0
Mean 0
RMS 0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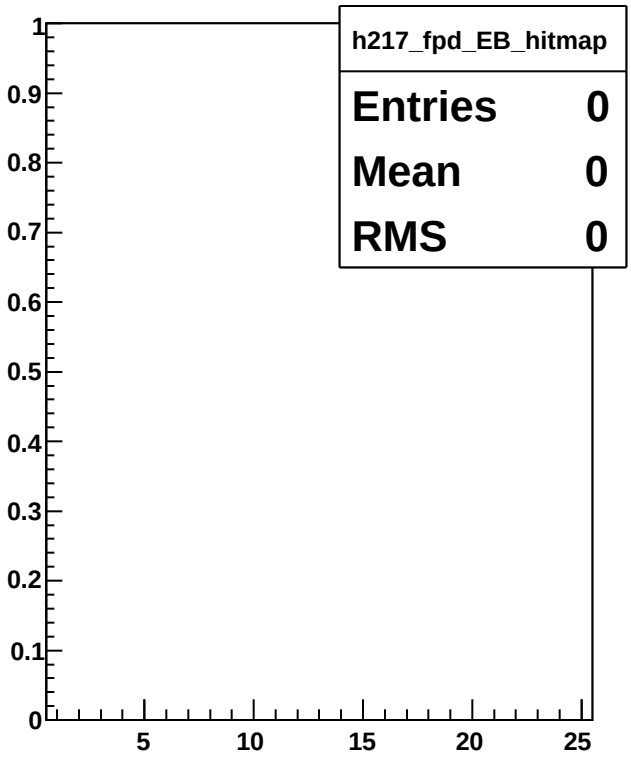
RMS 0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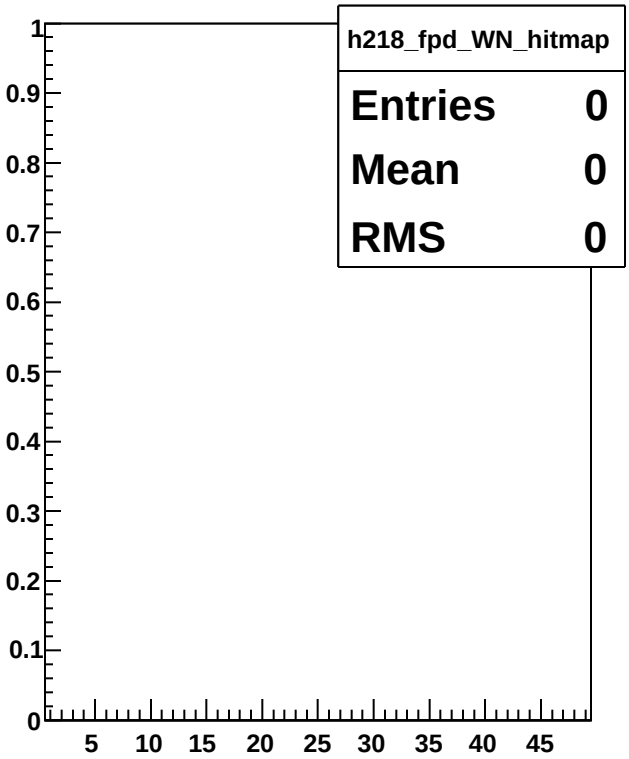
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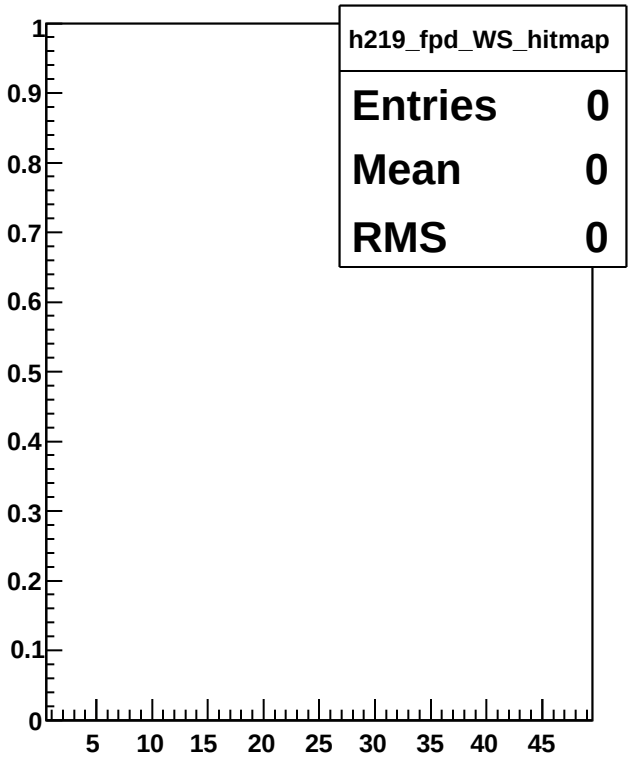
RMS 0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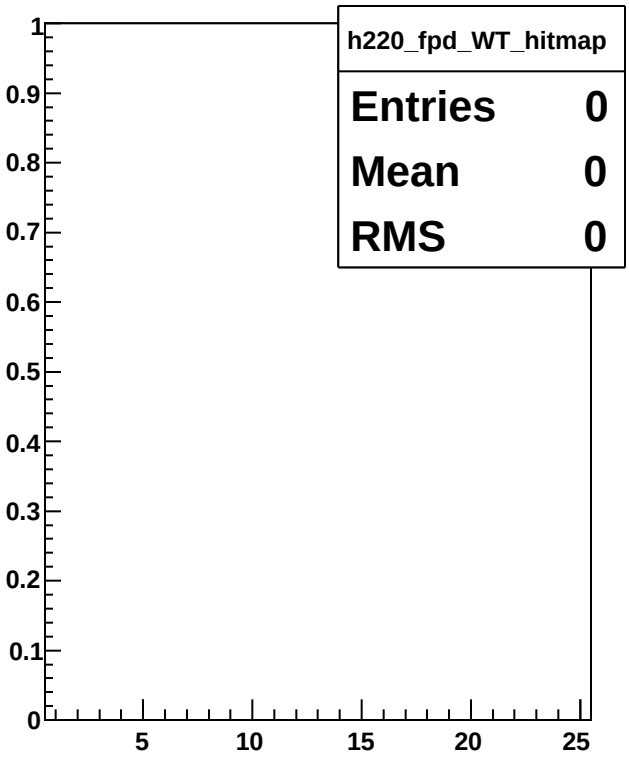
RMS 0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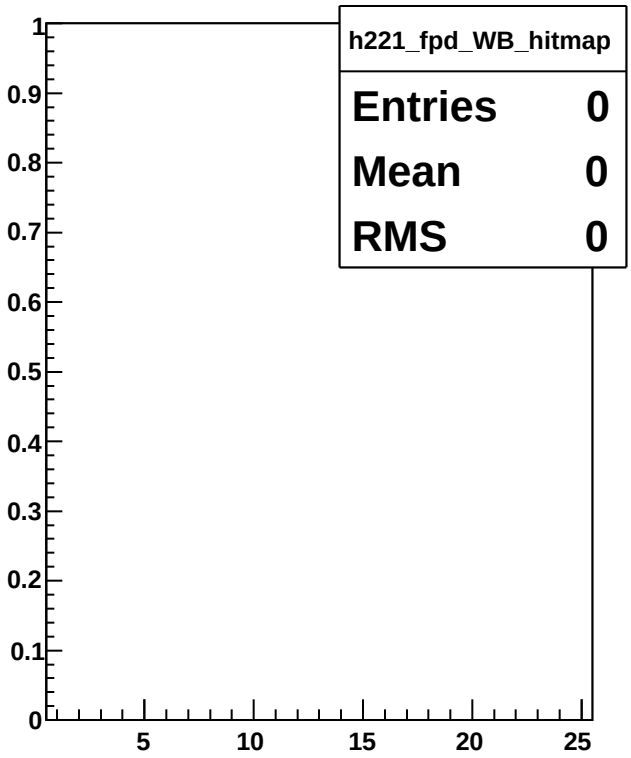
RMS 0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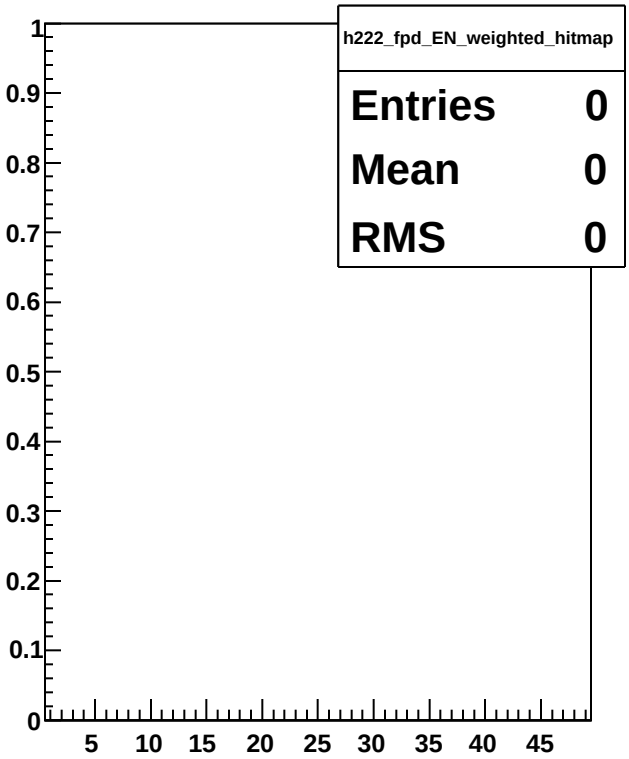
RMS 0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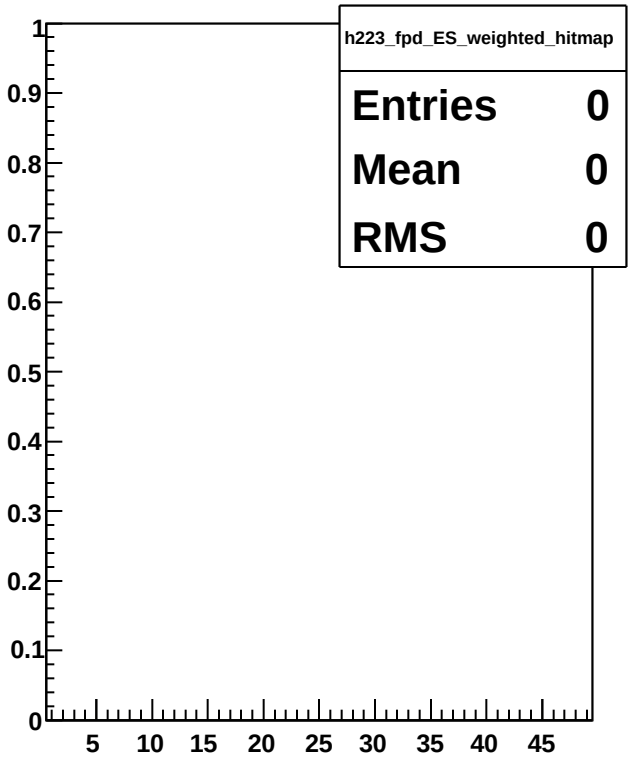
Mean 0
RMS 0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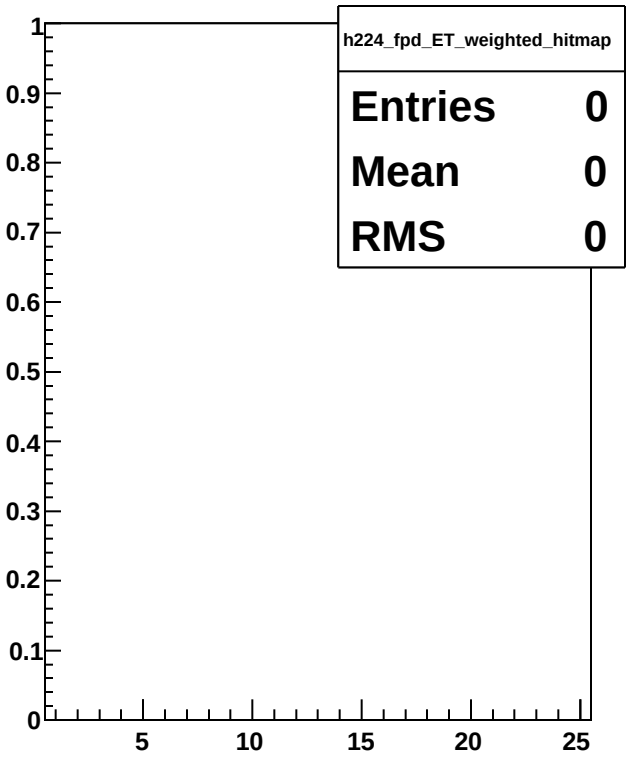
RMS 0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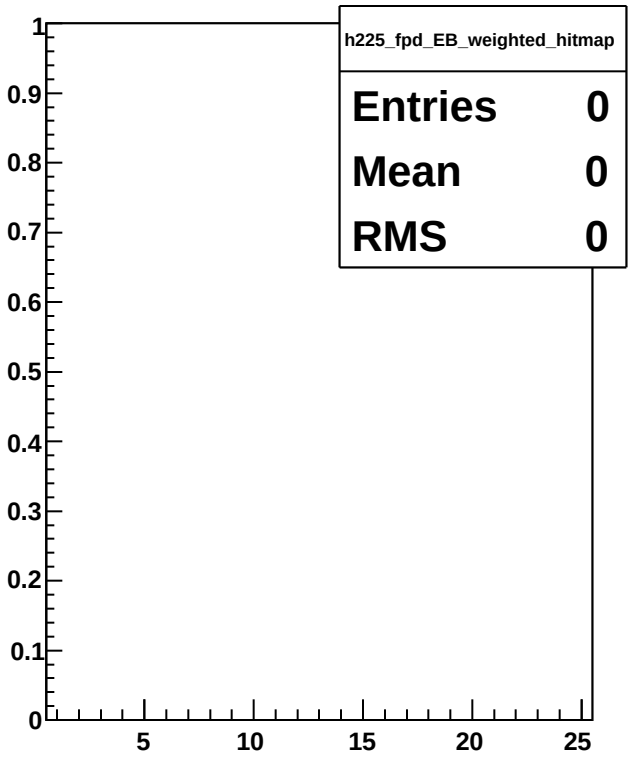
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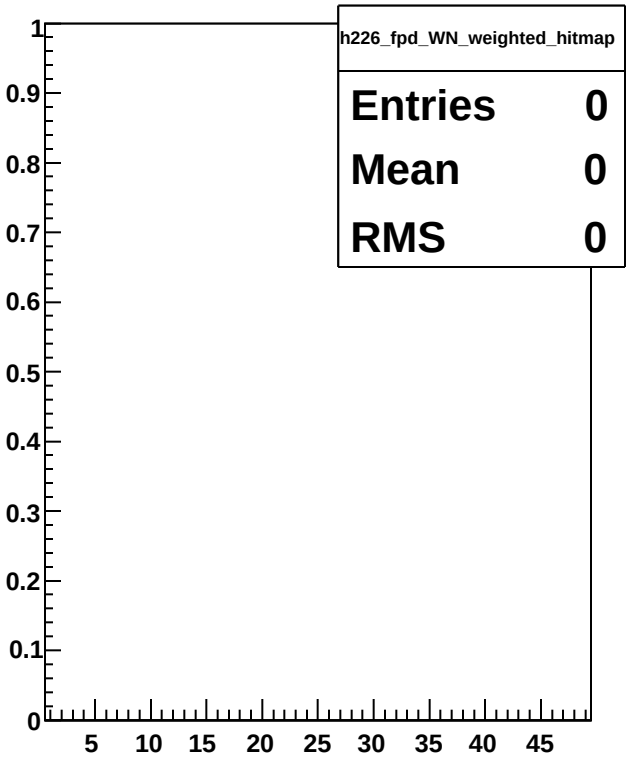
RMS 0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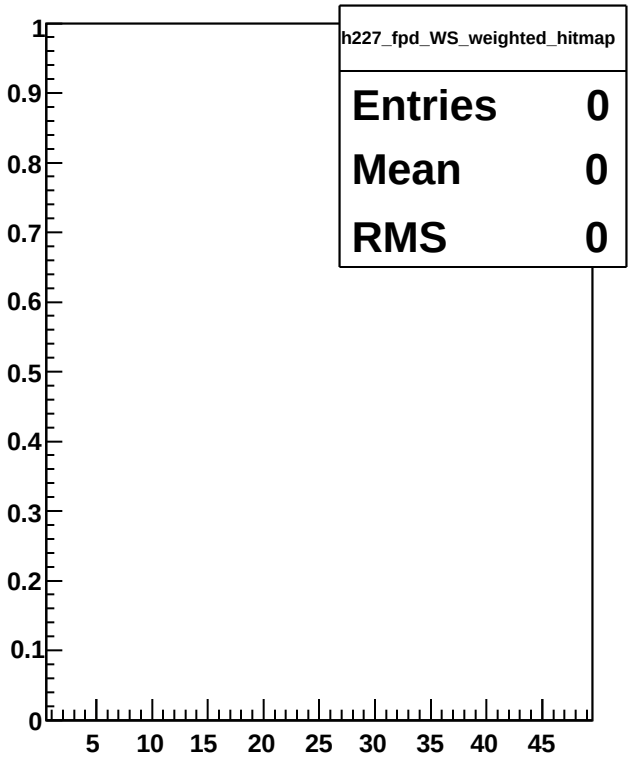
RMS 0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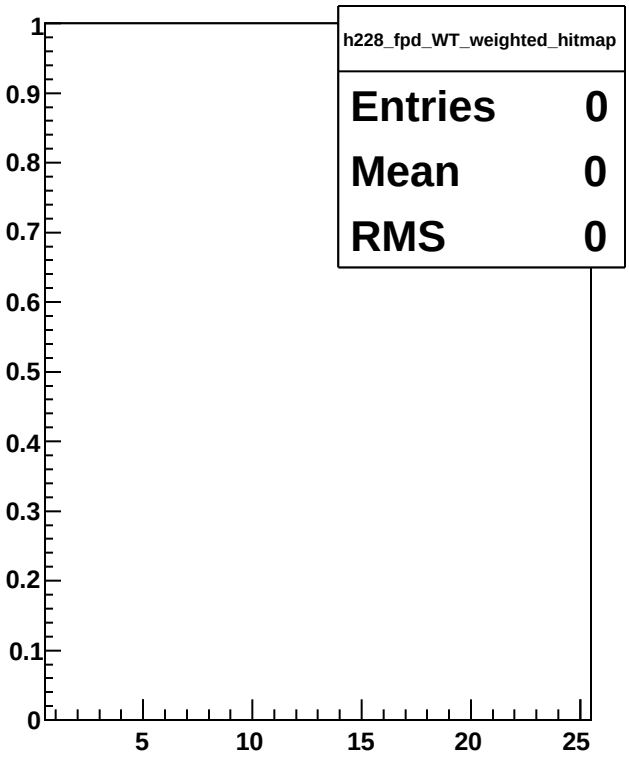
RMS 0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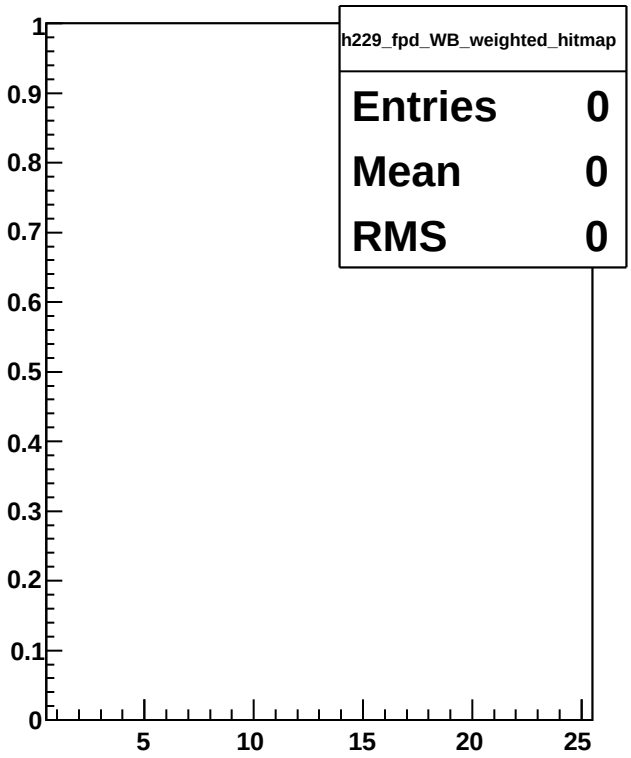
Mean 0
RMS 0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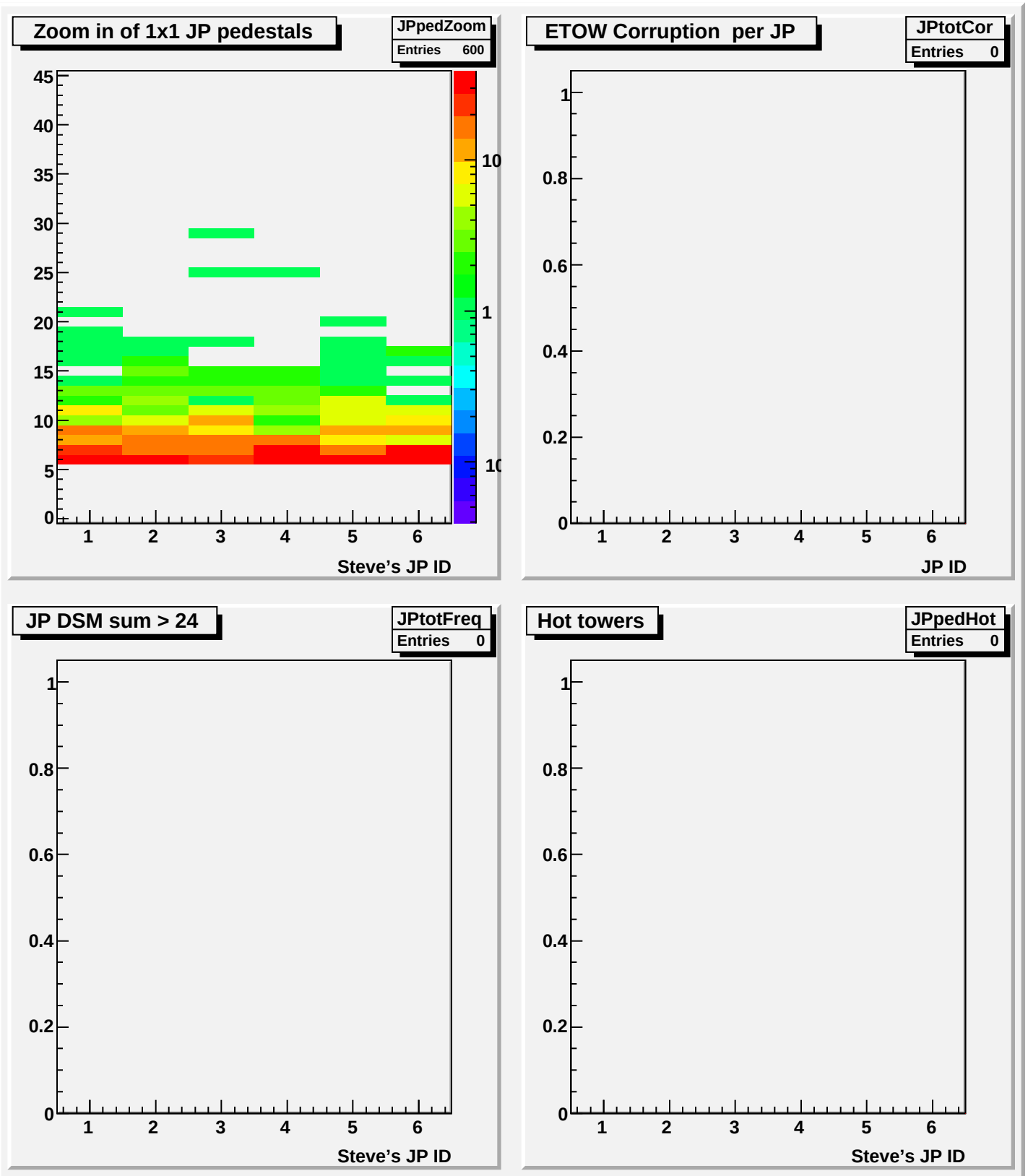
RMS 0



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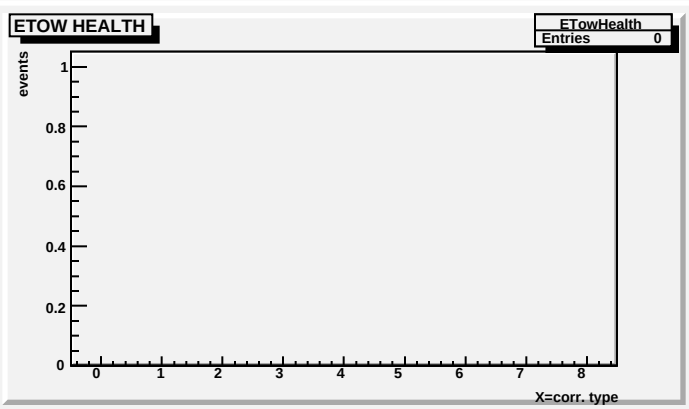
ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

ETOW head corr
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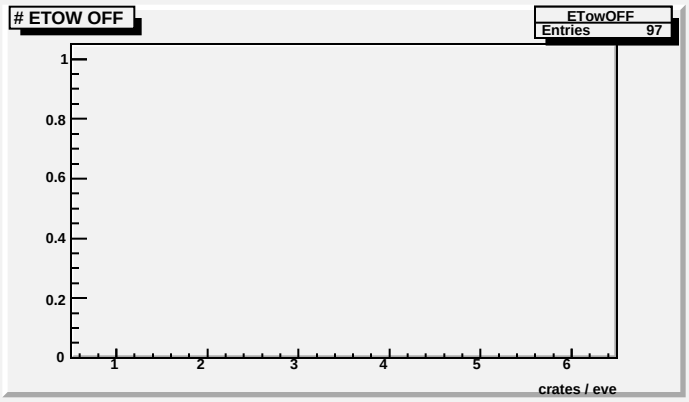
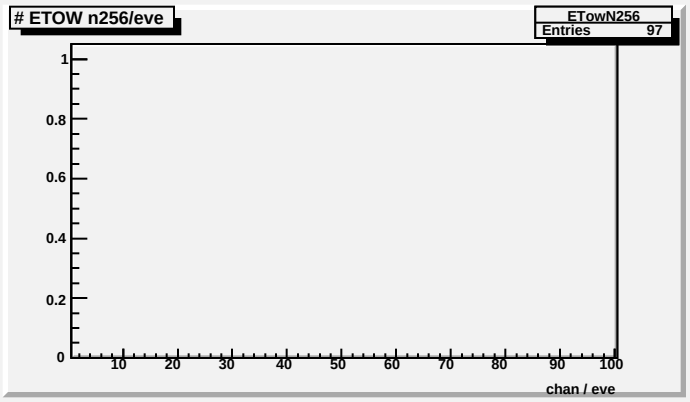
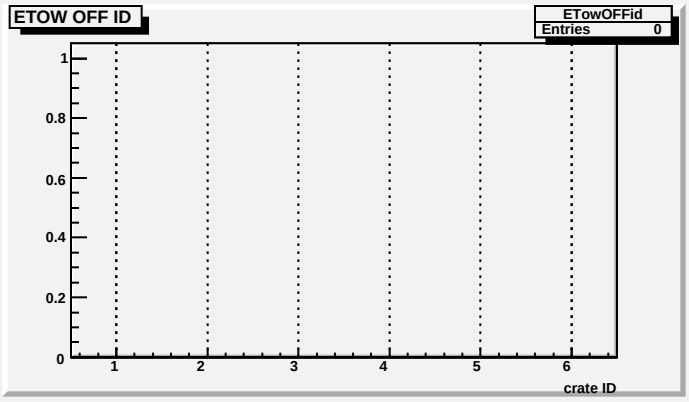
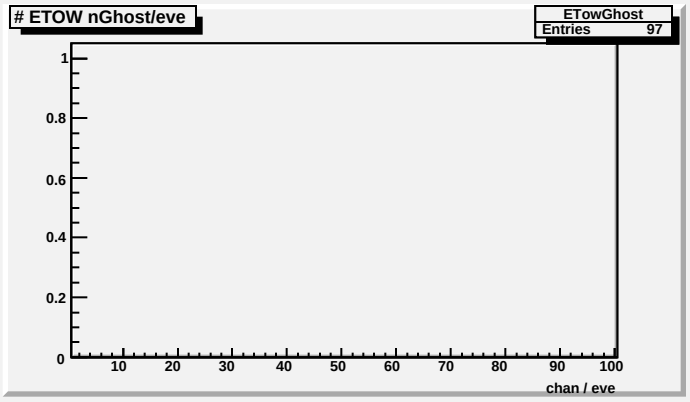
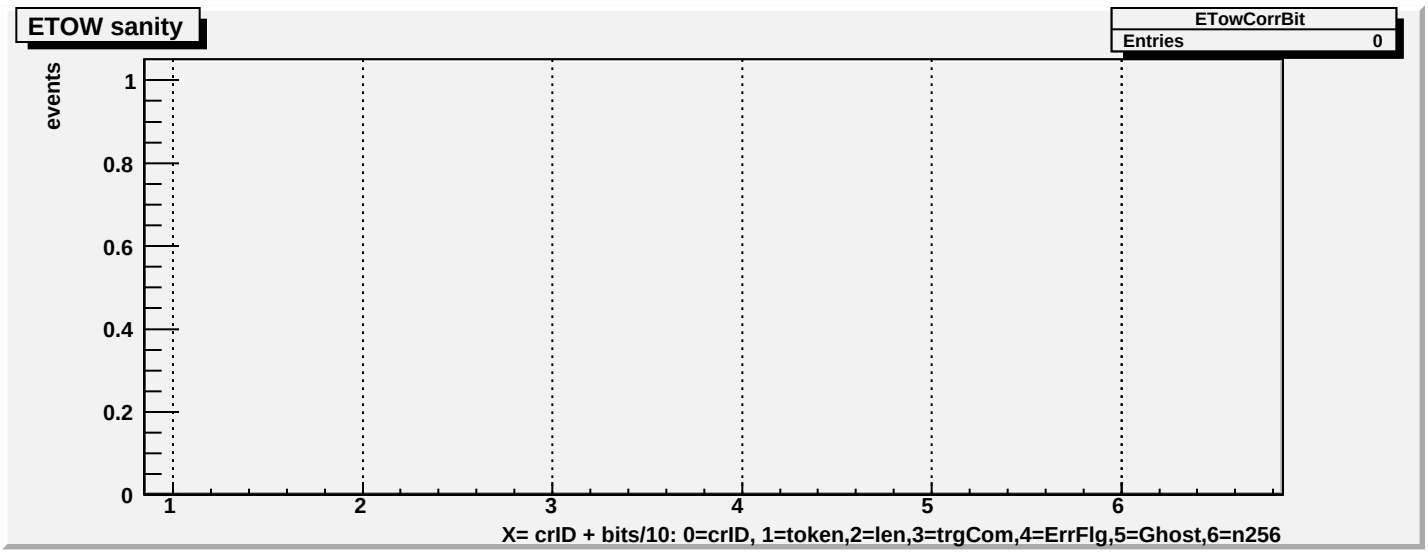
Entries 97
crates / eve

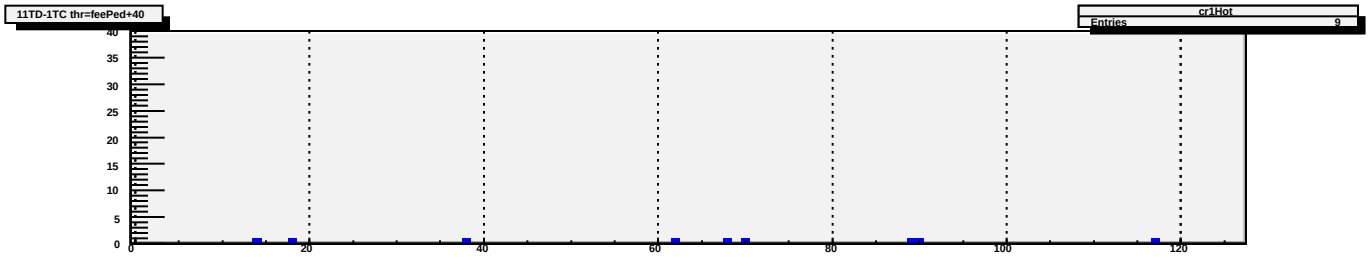

ETOW OFF
ETowOFF
Entries 97
crates / eve

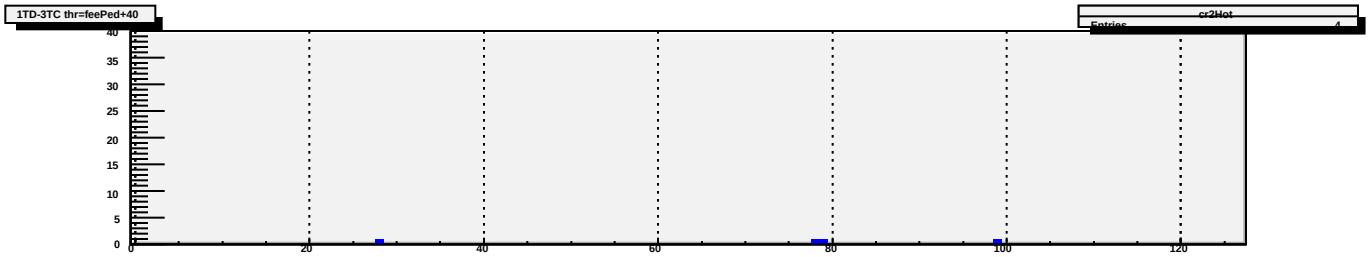

ETOW n256/eve
ETowN256
Entries 97
chan / eve

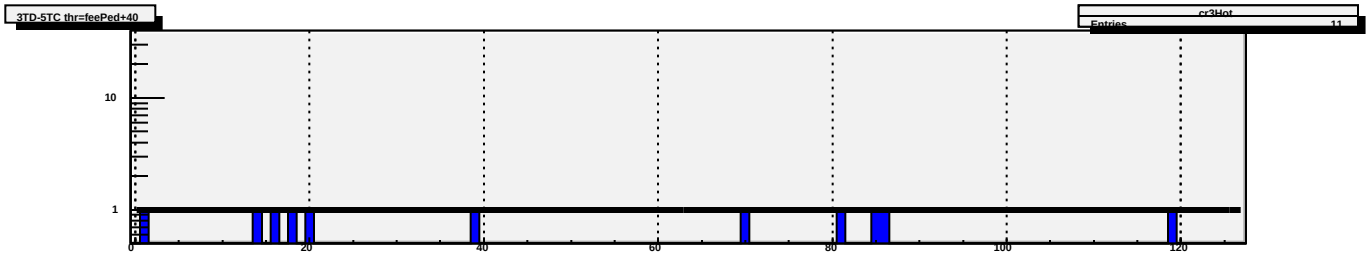

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

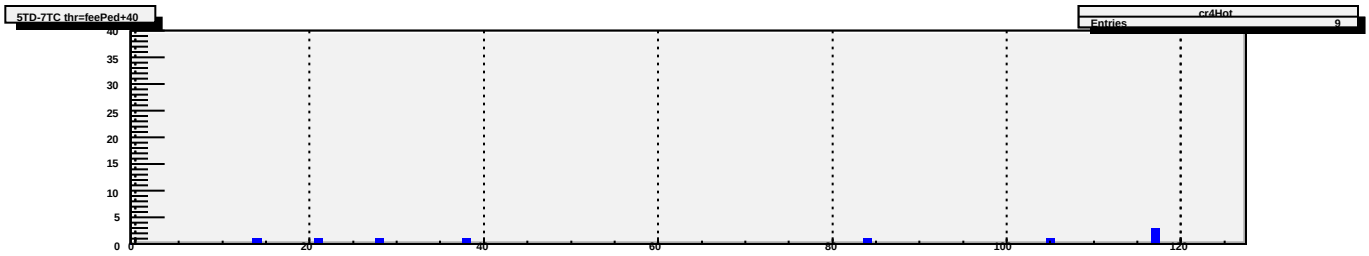

ETOW nGhost/eve
ETowGhost
Entries 97
chan / eve

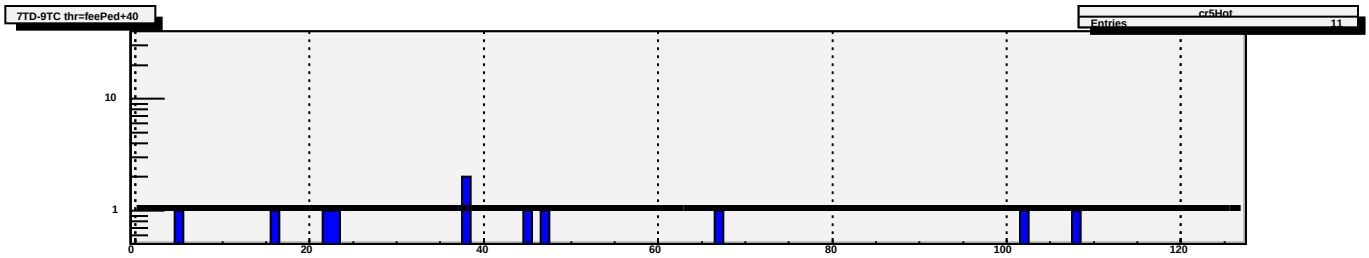

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

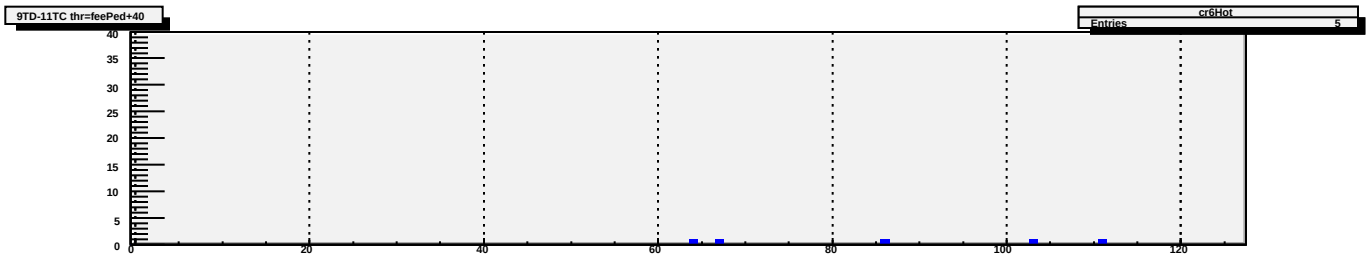

11TD-1TC thr=feePed+40
cr1Hot
Entries 9

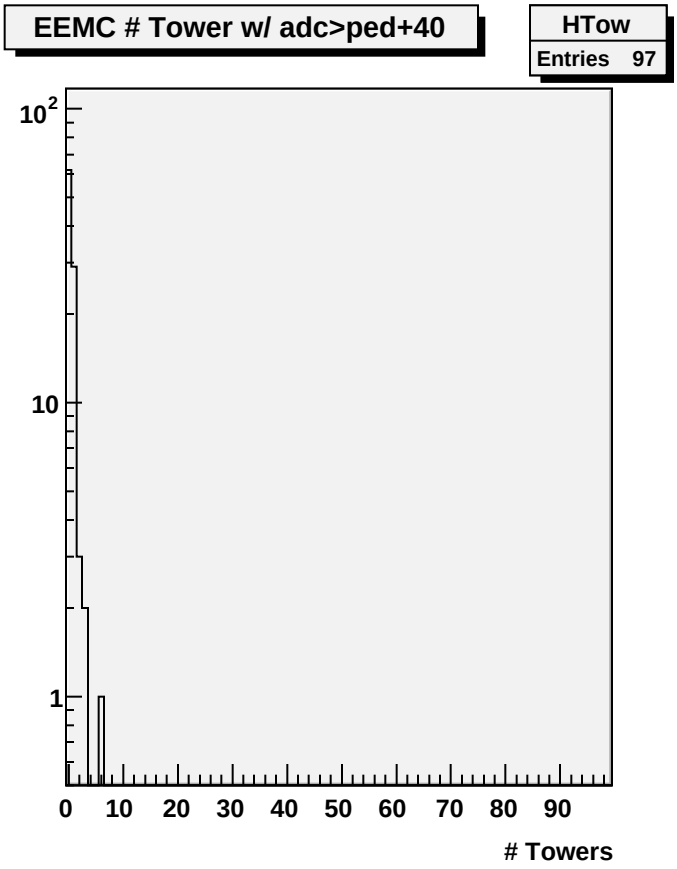

1TD-3TC thr=feePed+40
cr2Hot
Entries 4

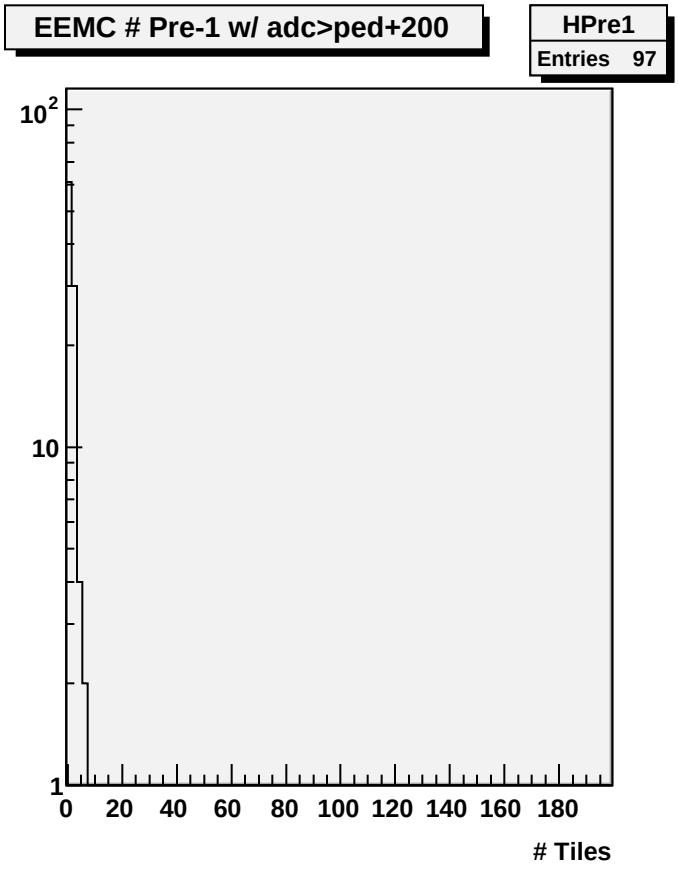

3TD-5TC thr=feePed+40
cr3Hot
Entries 11

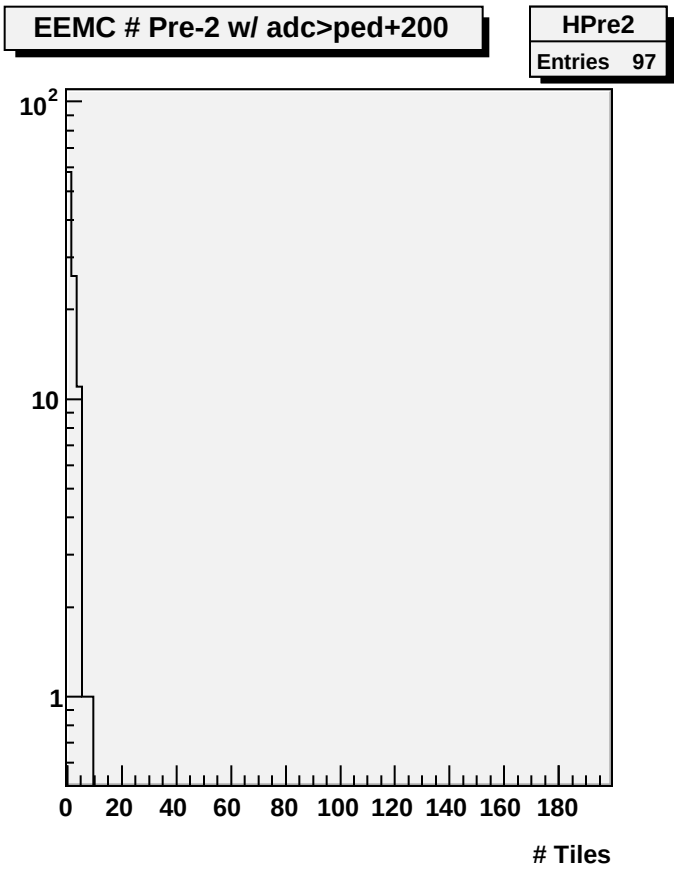

5TD-7TC thr=feePed+40
cr4Hot
Entries 9

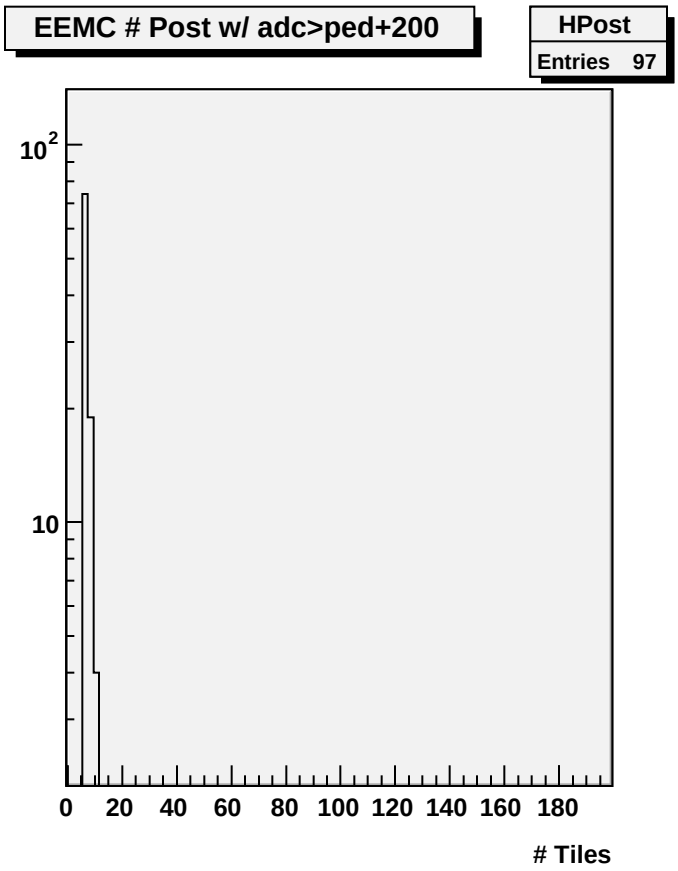

7TD-9TC thr=feePed+40
cr5Hot
Entries 11

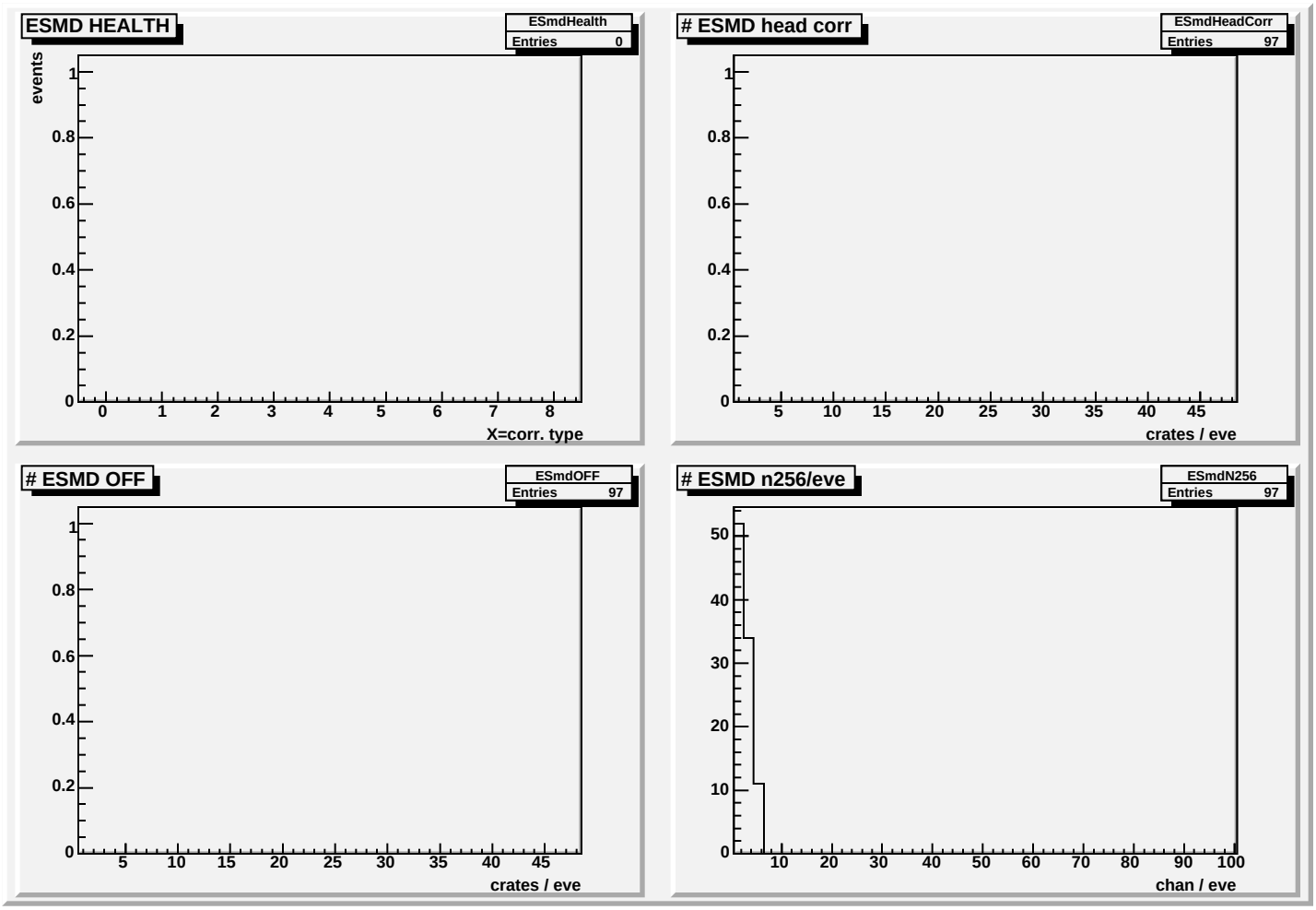

9TD-11TC thr=feePed+40
cr6Hot
Entries 5

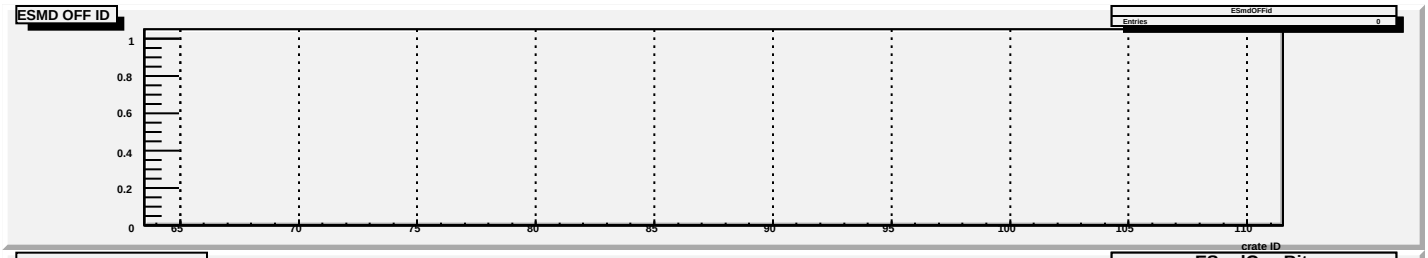

EEMC # Tower w/ adc>ped+40
HTow
Entries 97
10^2
10
1
0 10 20 30 40 50 60 70 80 90
Towers

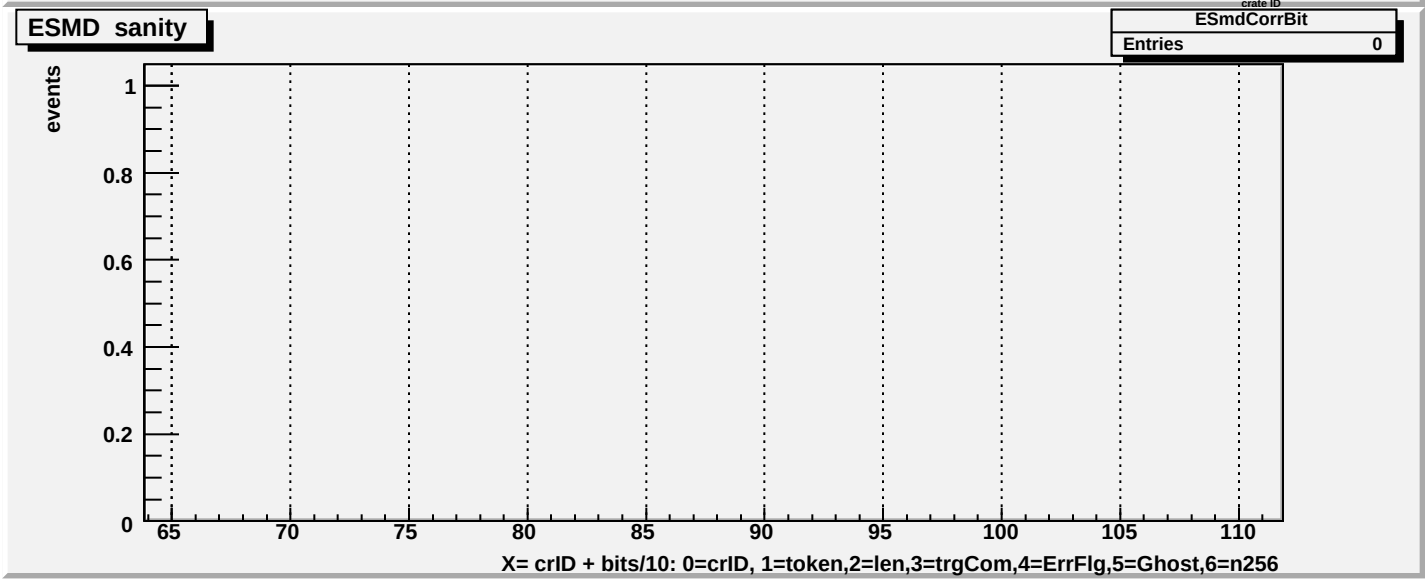

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 97
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

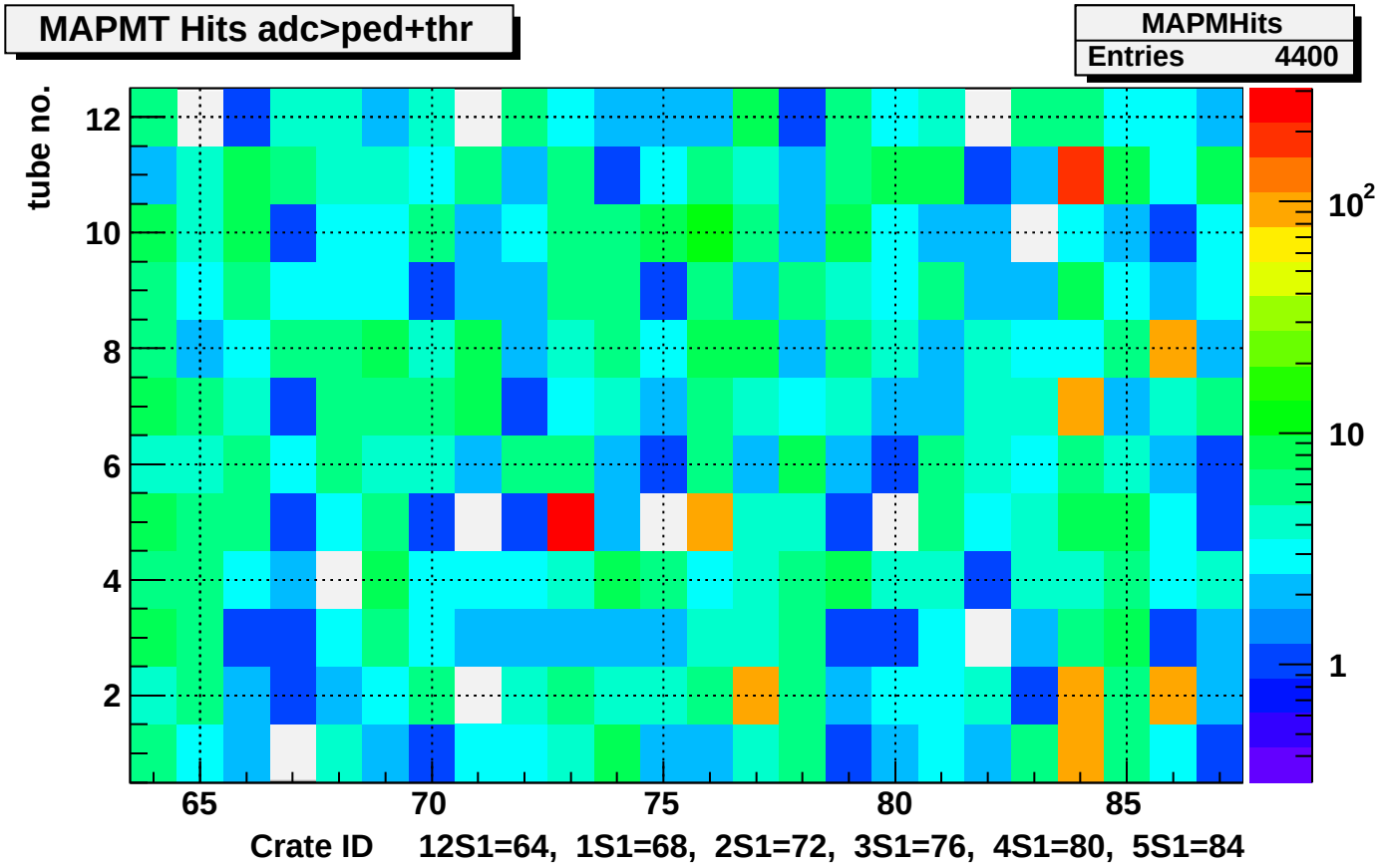

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 97
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

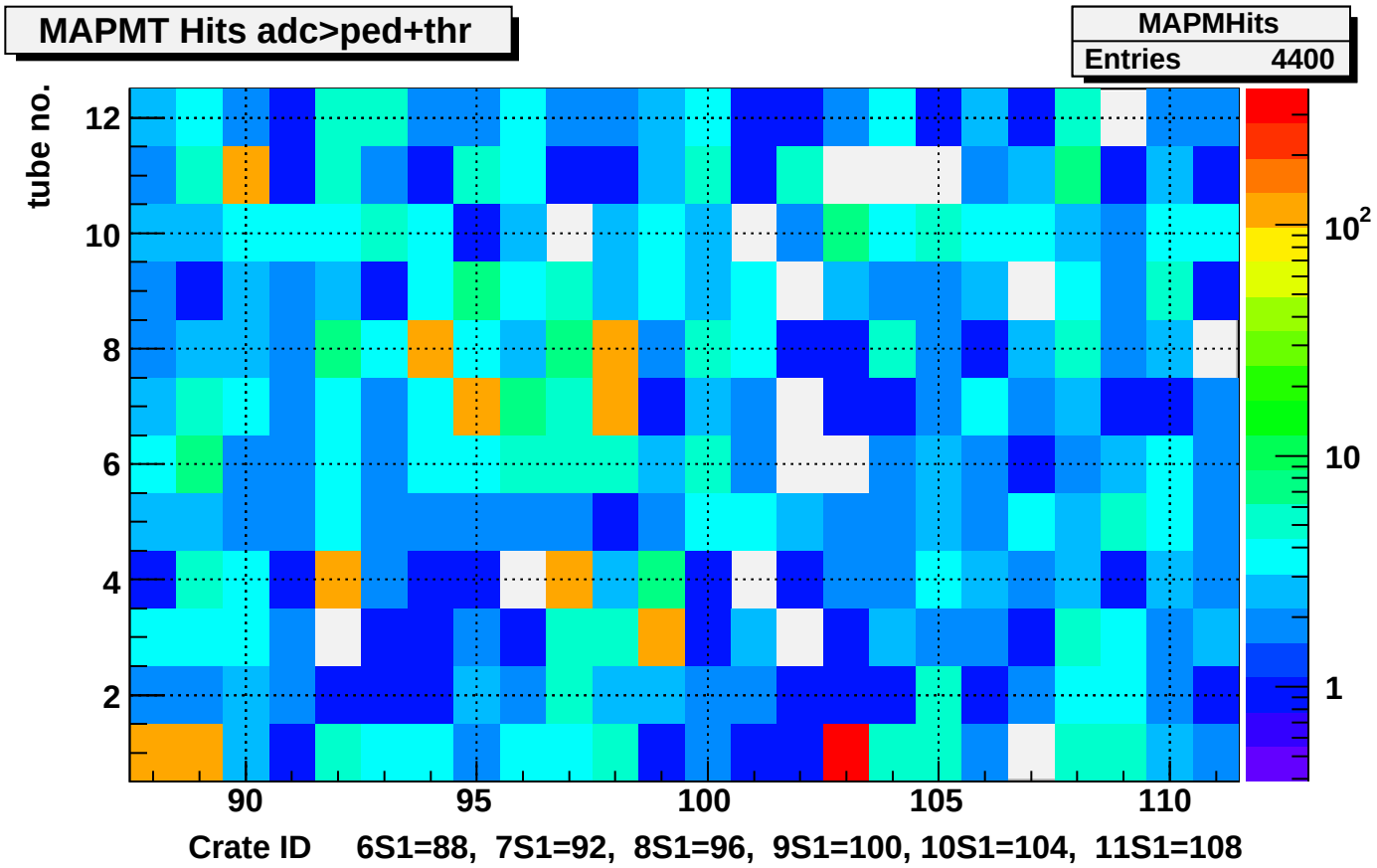

EEMC # Post w/ adc>ped+200
HPost
Entries 97
10^2
10
0 20 40 60 80 100 120 140 160 180
Tiles

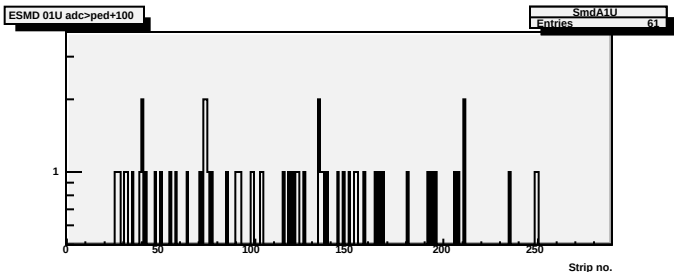

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type
# ESMD head corr
ESmdHeadCorr
Entries 97
crates / eve
ESMD OFF
ESmdOFF
Entries 97
crates / eve
ESMD n256/eve
ESmdN256
Entries 97
chan / eve

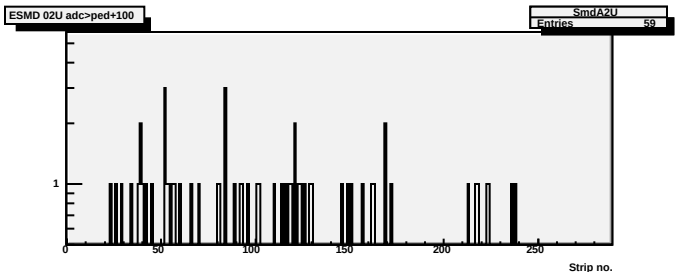

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

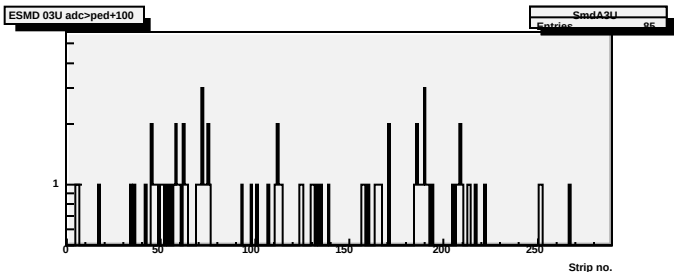

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

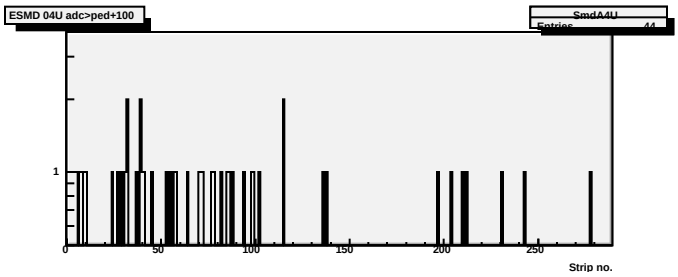

MAPMT Hits adc>ped+thr
MAPMHits
Entries 4400
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84
10^2
10
1

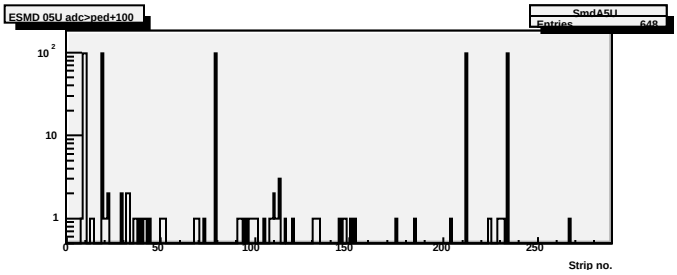

MAPMT Hits adc>ped+thr
MAPMHits
Entries 4400
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108
10^2
10
1

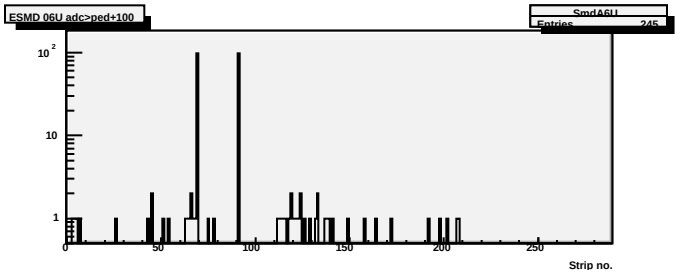

ESMD 01U adc>ped+100
SmdA1U
Entries 61
Strip no.

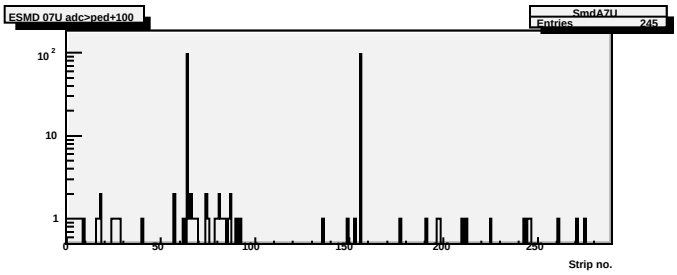

ESMD 02U adc>ped+100
SmdA2U
Entries 59
Strip no.

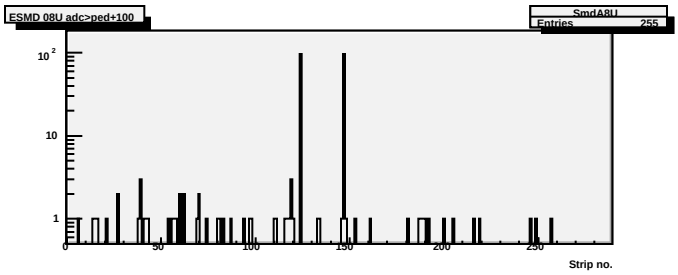

ESMD 03U adc>ped+100
SmdA3U
Entries 85
Strip no.

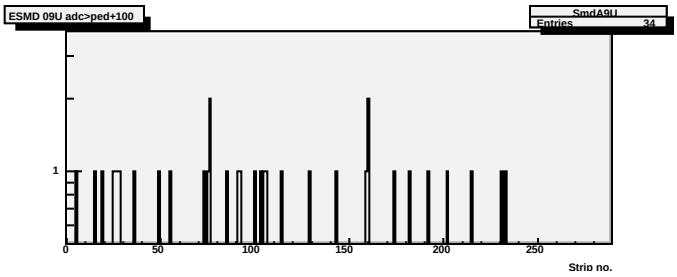

ESMD 04U adc>ped+100
SmdA4U
Entries 44
Strip no.

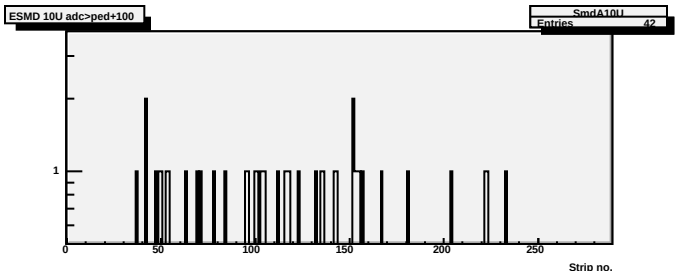

ESMD 05U adc>ped+100
SmdA5U
Entries 648
Strip no.

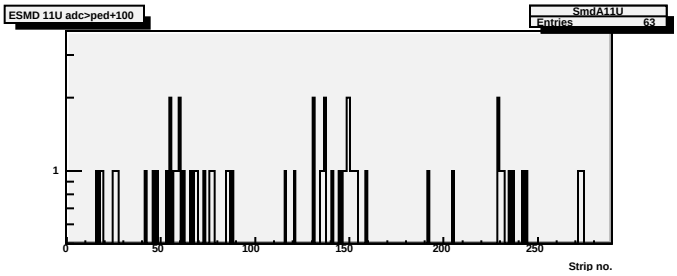

ESMD 06U adc>ped+100
SmdA6U
Entries 245
Strip no.

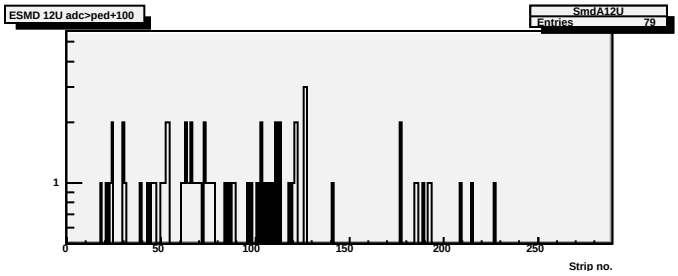

ESMD 07U adc>ped+100
SmdA7U
Entries 245
Strip no.

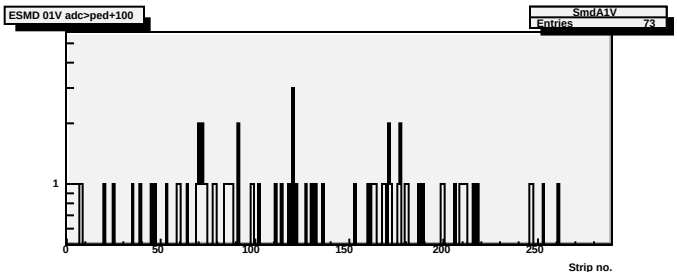

ESMD 08U adc>ped+100
SmdA8U
Entries 255
Strip no.

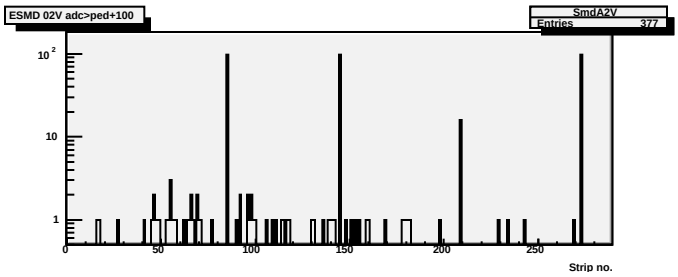

ESMD 09U adc>ped+100
SmdA9U
Entries 34
Strip no.

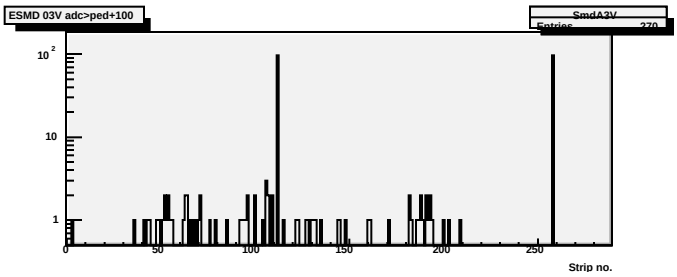

ESMD 10U adc>ped+100
SmdA10U
Entries 42
Strip no.

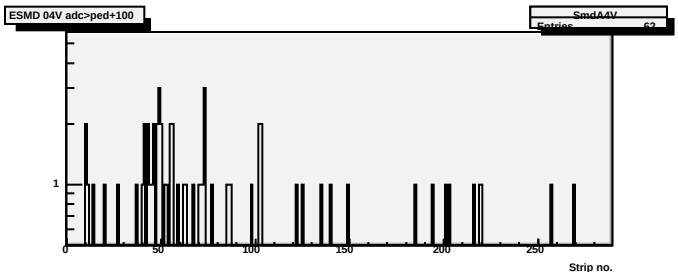

ESMD 11U adc>ped+100
SmdA11U
Entries 63
Strip no.

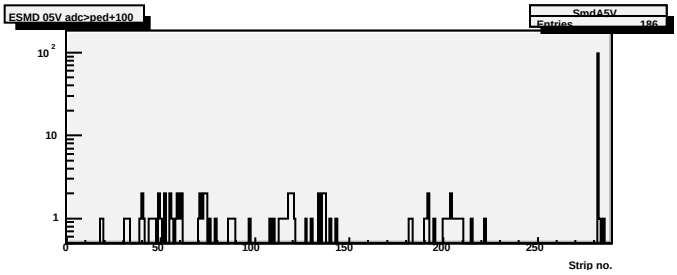

ESMD 12U adc>ped+100
SmdA12U
Entries 79
Strip no.

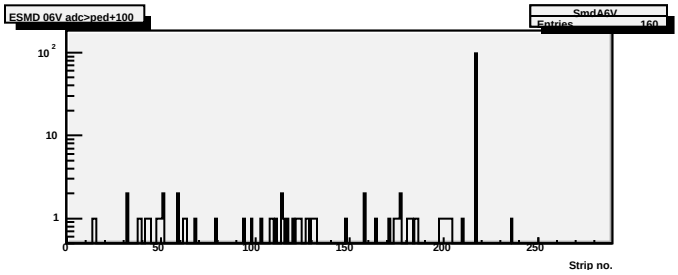

ESMD 01V adc>ped+100
SmdA1V
Entries 73
Strip no.

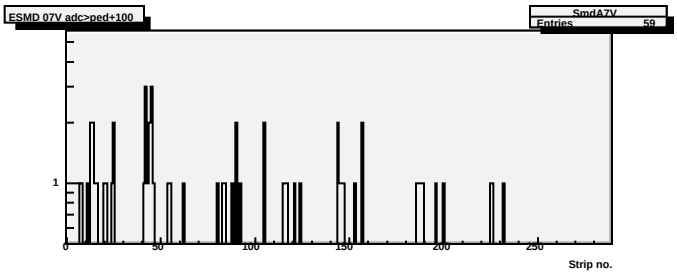

ESMD 02V adc>ped+100
SmdA2V
Entries 377
Strip no.

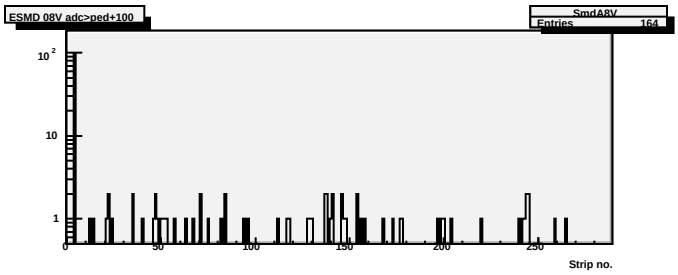

ESMD 03V adc>ped+100
SmdA3V
Entries 270
Strip no.

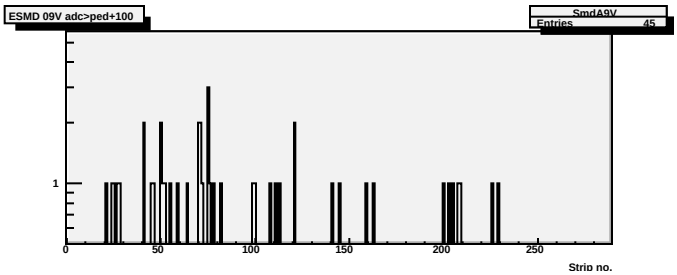

ESMD 04V adc>ped+100
SmdA4V
Entries 62
Strip no.

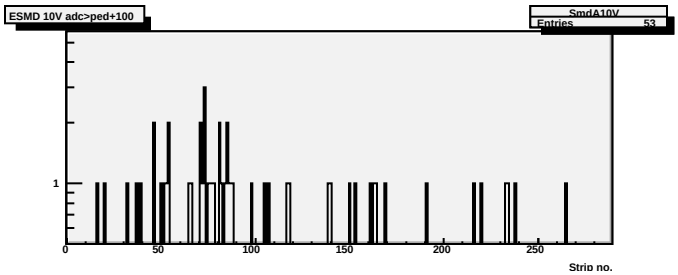

ESMD 05V adc>ped+100
SmdA5V
Entries 186
Strip no.

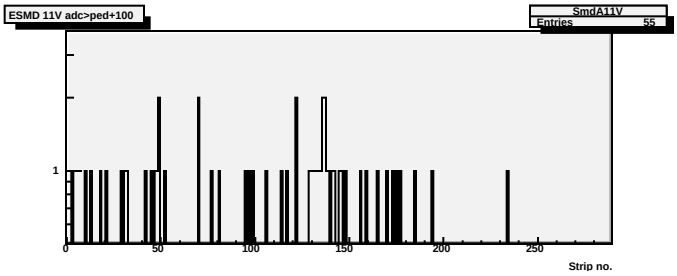

ESMD 06V adc>ped+100
SmdA6V
Entries 160
Strip no.

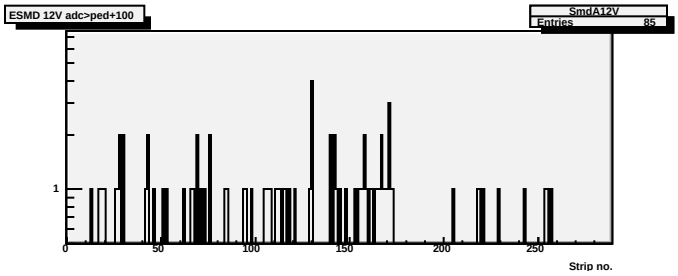

ESMD 07V adc>ped+100
SmdA7V
Entries 59
Strip no.

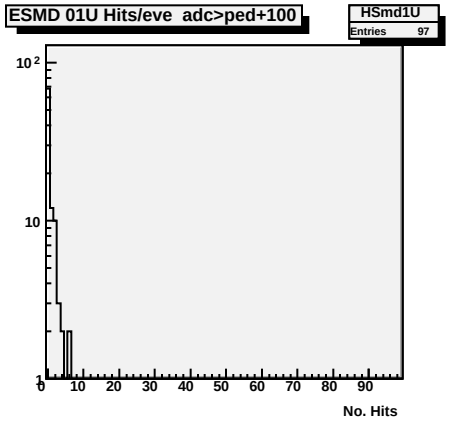

ESMD 08V adc>ped+100
SmdA8V
Entries 164
Strip no.

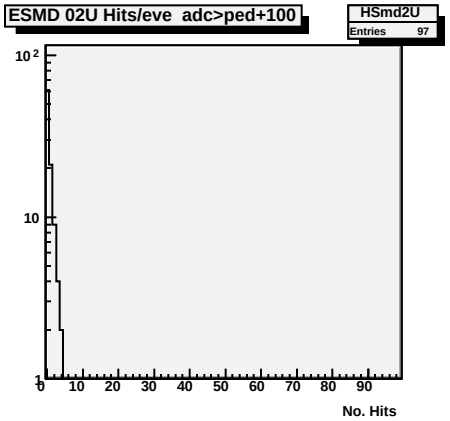

ESMD 09V adc>ped+100
SmdA9V
Entries 45
Strip no.

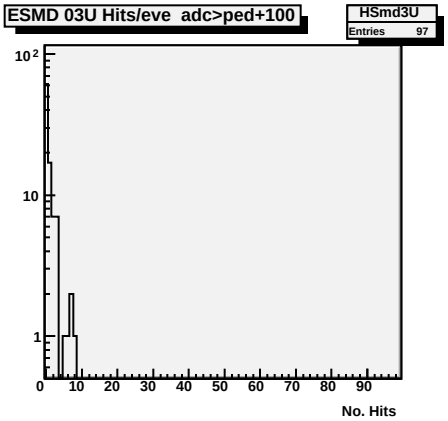

ESMD 10V adc>ped+100
SmdA10V
Entries 53
Strip no.

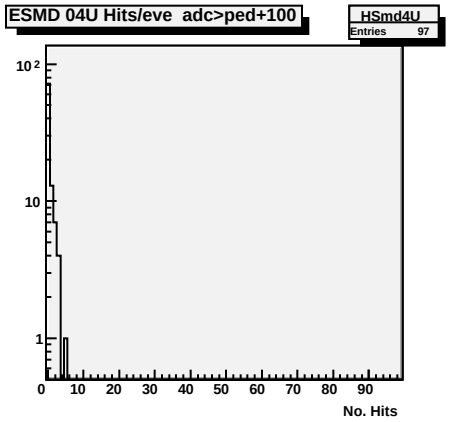

ESMD 11V adc>ped+100
SmdA11V
Entries 55
Strip no.

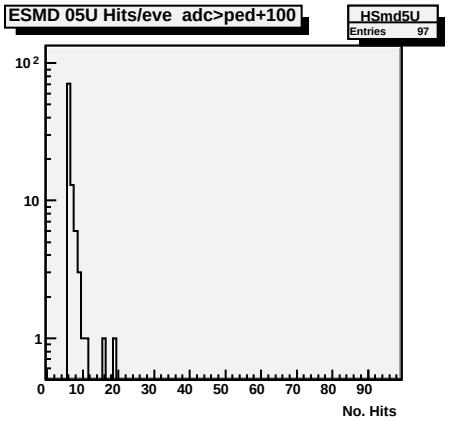

ESMD 12V adc>ped+100
SmdA12V
Entries 85
Strip no.

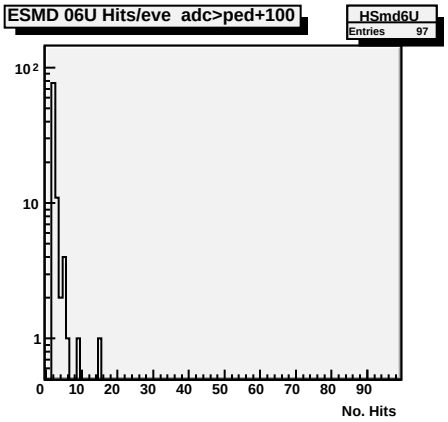

ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 97
No. Hits


ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 97
No. Hits


ESMD 03U Hits/eve adc>ped+100
HSmd3U
Entries 97
No. Hits


ESMD 04U Hits/eve adc>ped+100
HSmd4U
Entries 97
No. Hits


ESMD 05U Hits/eve adc>ped+100
HSmd5U
Entries 97
No. Hits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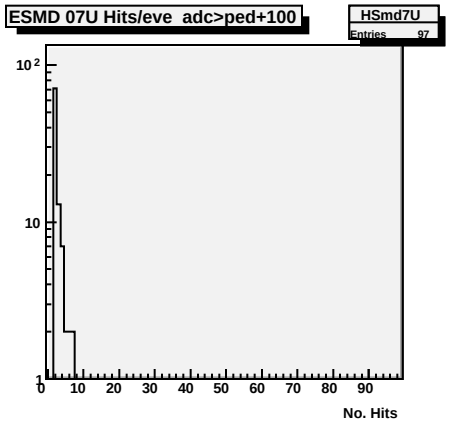
No. Hits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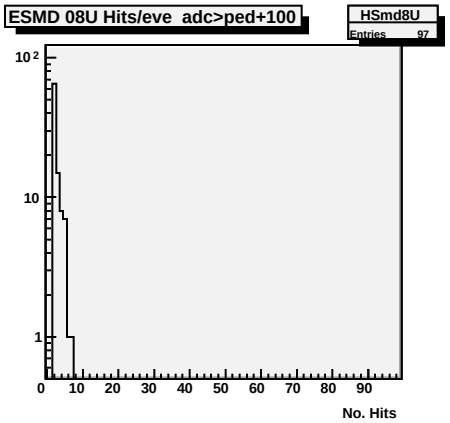
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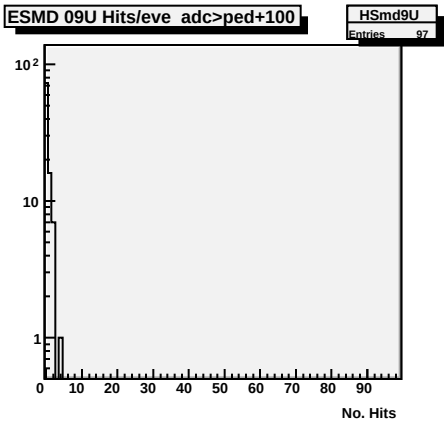
No. Hits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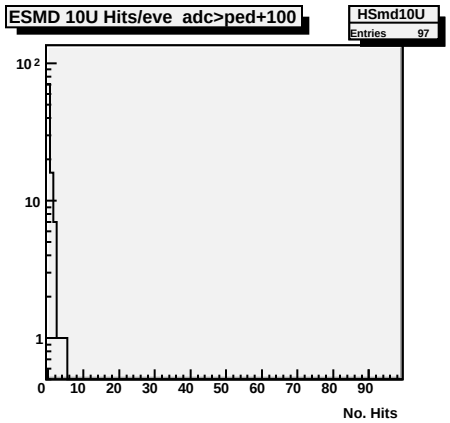
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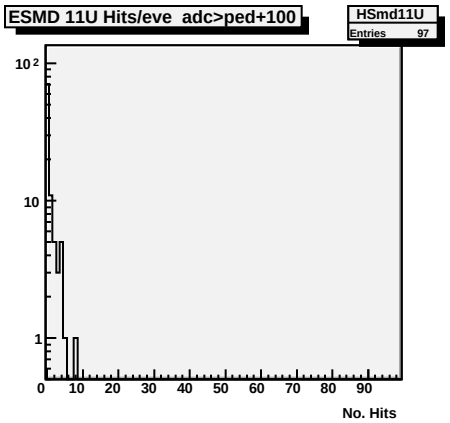
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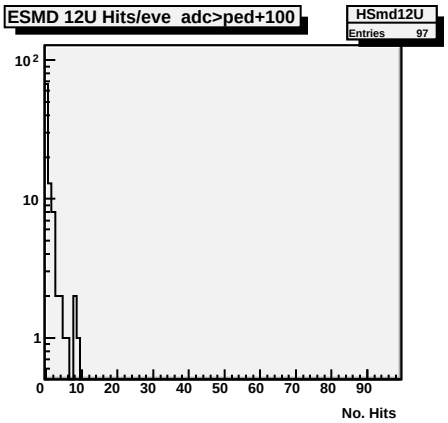
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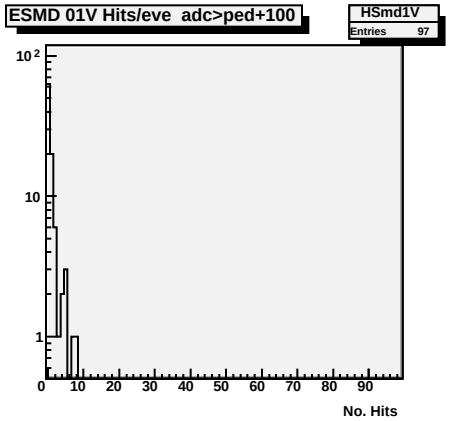
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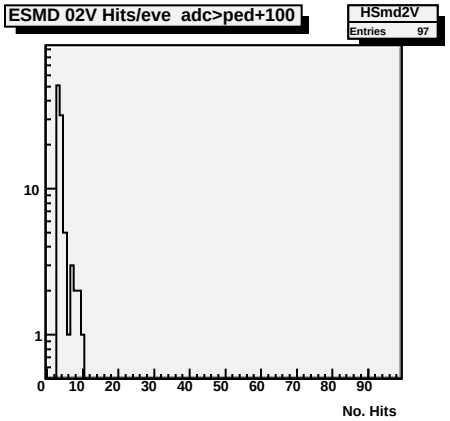
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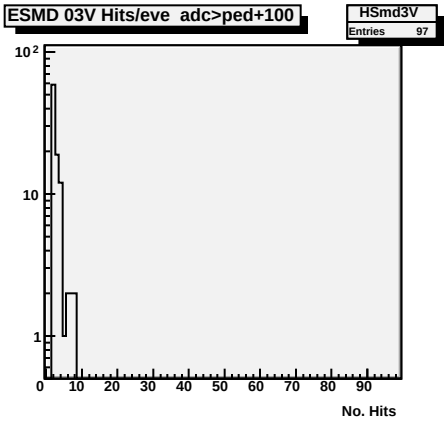
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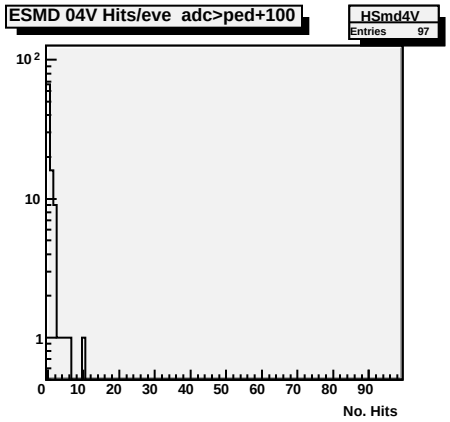
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HSmd4V
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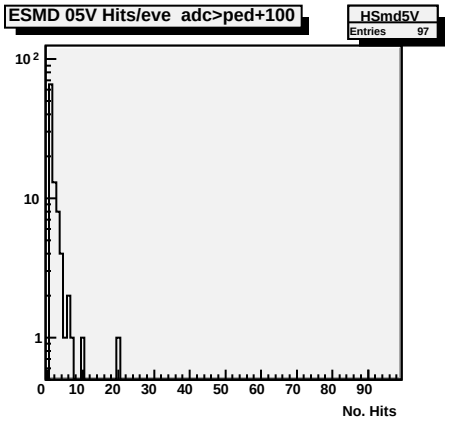
No. Hits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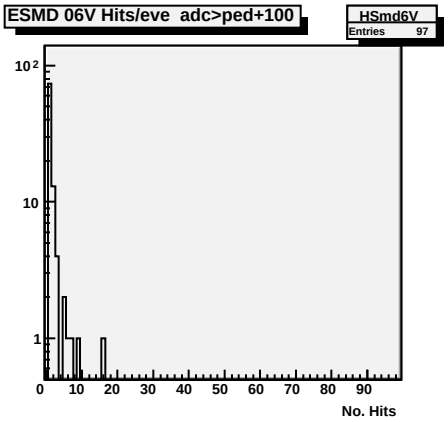
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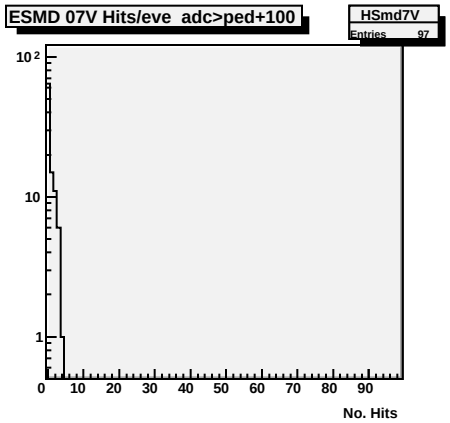
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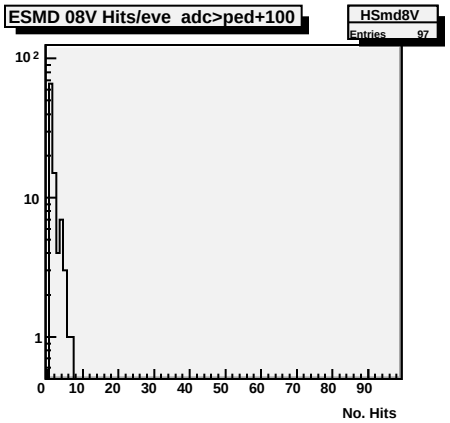
No. Hits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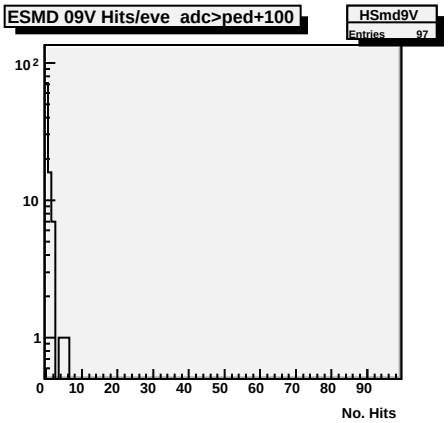
HSmd8V
Entries 97
No. Hits


ESMD 09V Hits/eve adc>ped+100
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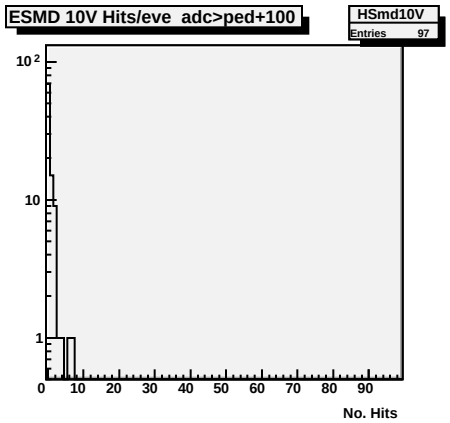
No. Hits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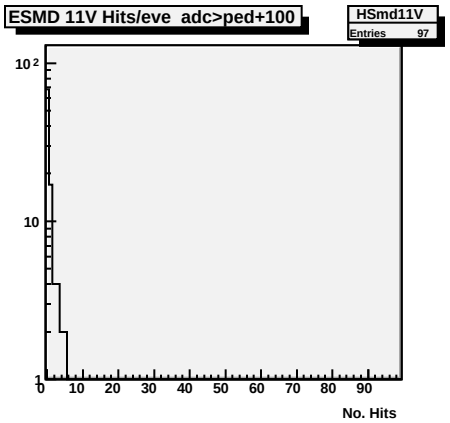
No. Hits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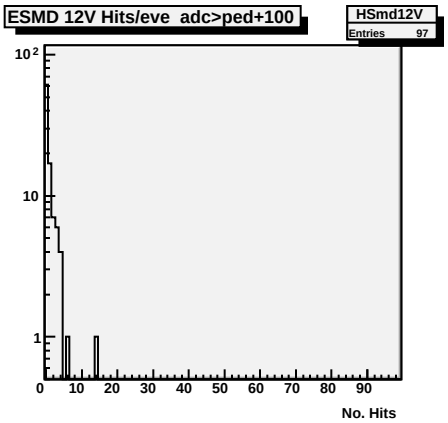
Entries 97
No. Hits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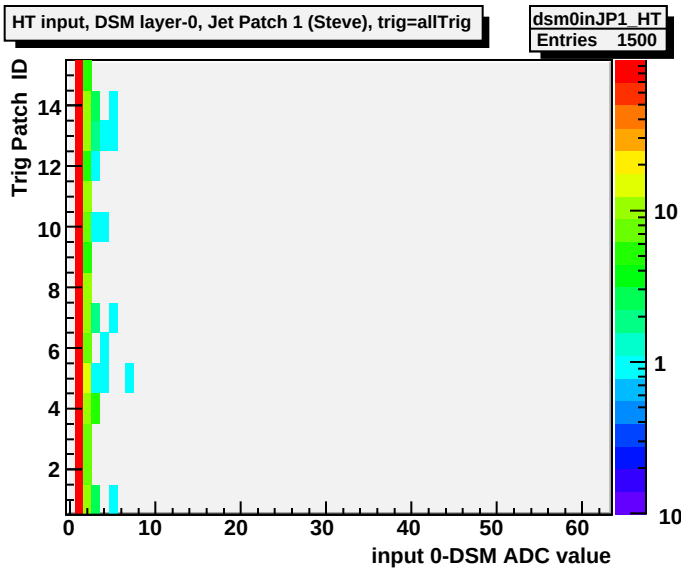
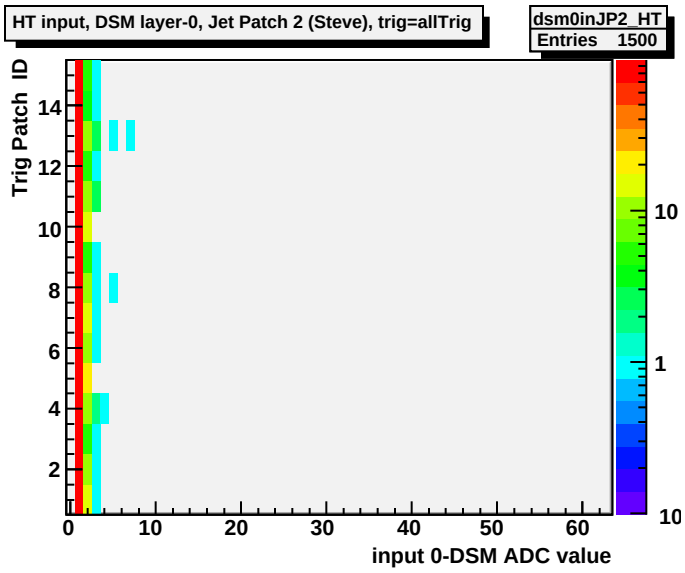
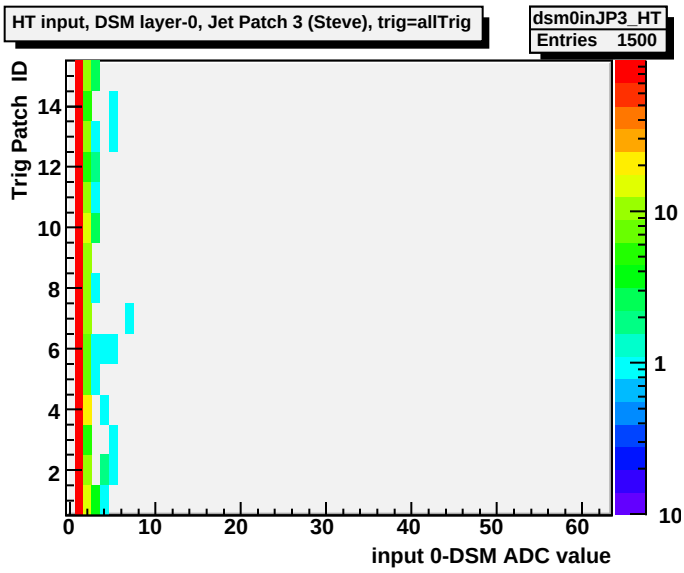
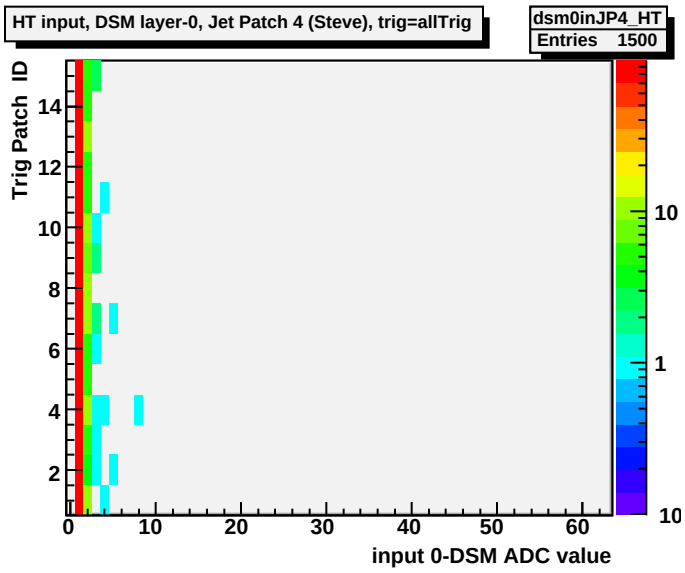
Entries 97
No. Hits


HT input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_HT
Entries 1500
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_HT
Entries 1500
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_HT
Entries 1500
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
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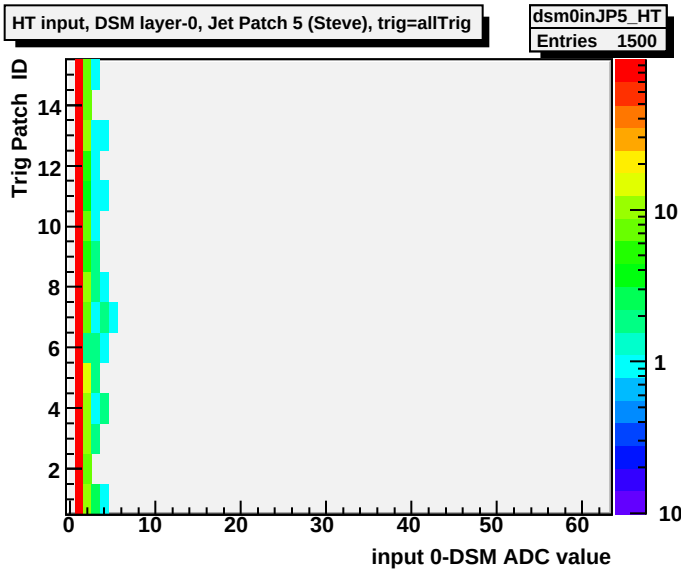
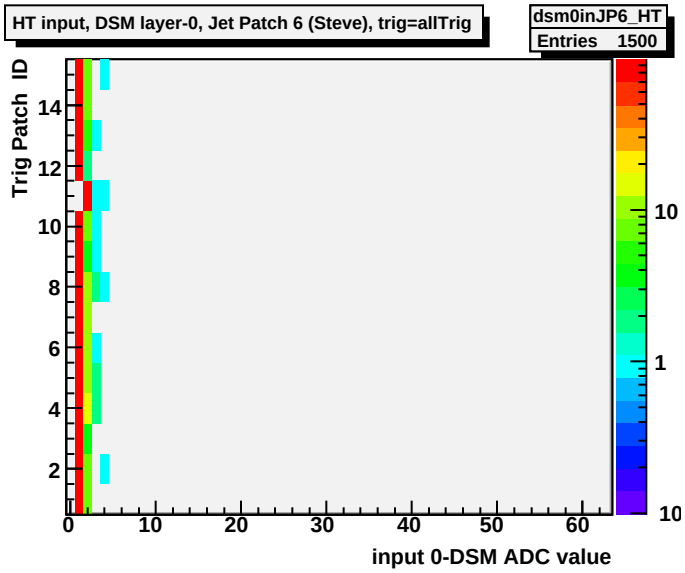
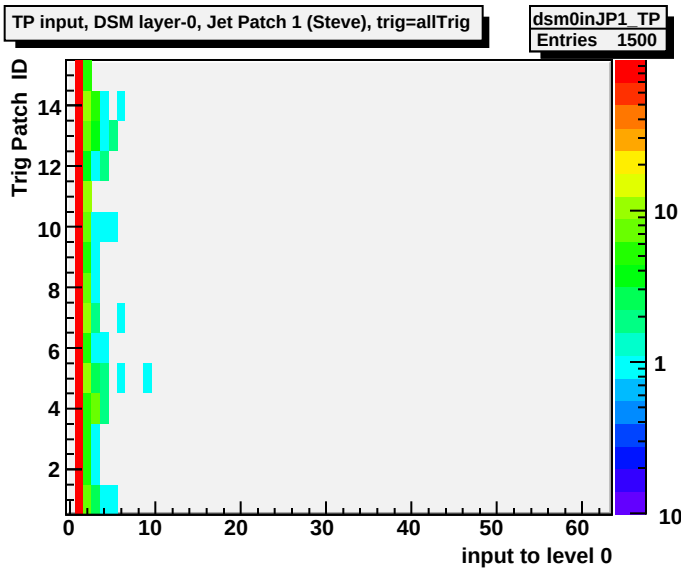
Entries 1500
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_HT
Entries 1500
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_HT
Entries 1500
Trig Patch ID
input 0-DSM ADC value


TP input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
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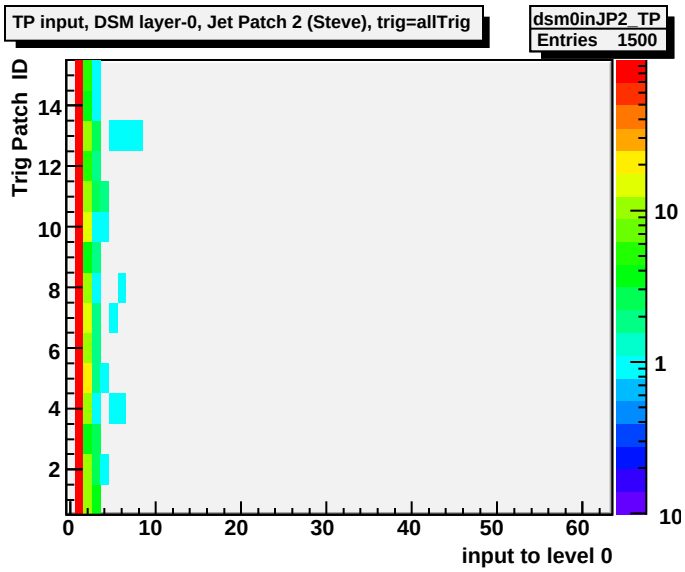
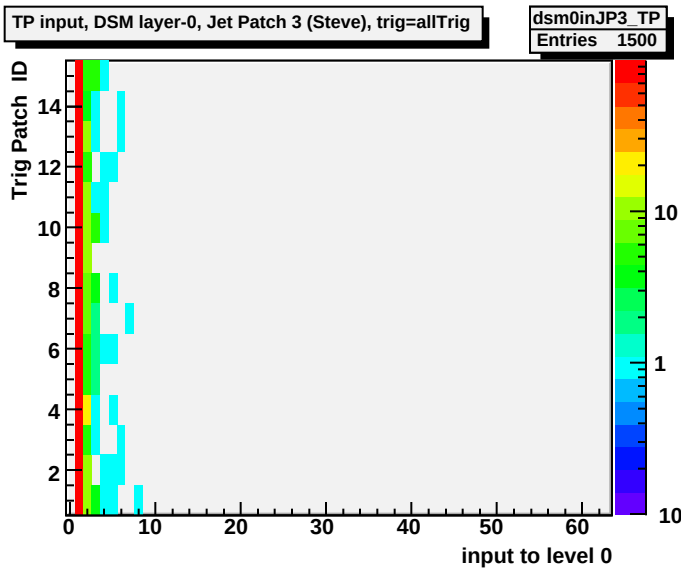
Entries 1500
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_TP
Entries 1500
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
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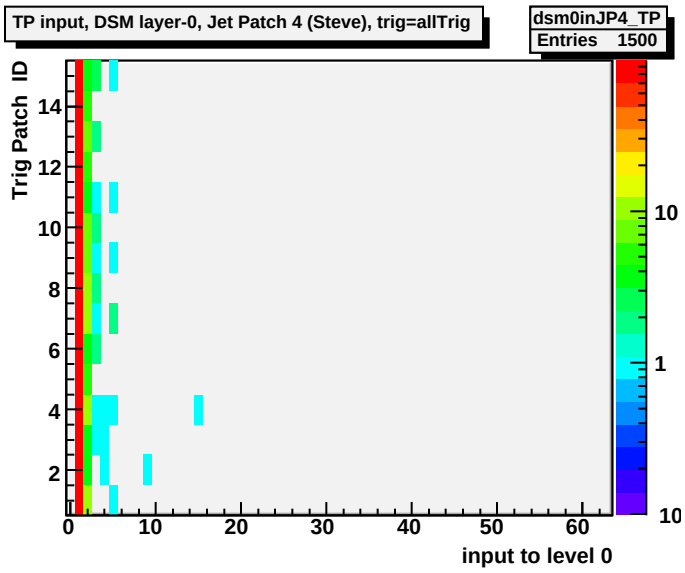
Entries 1500
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
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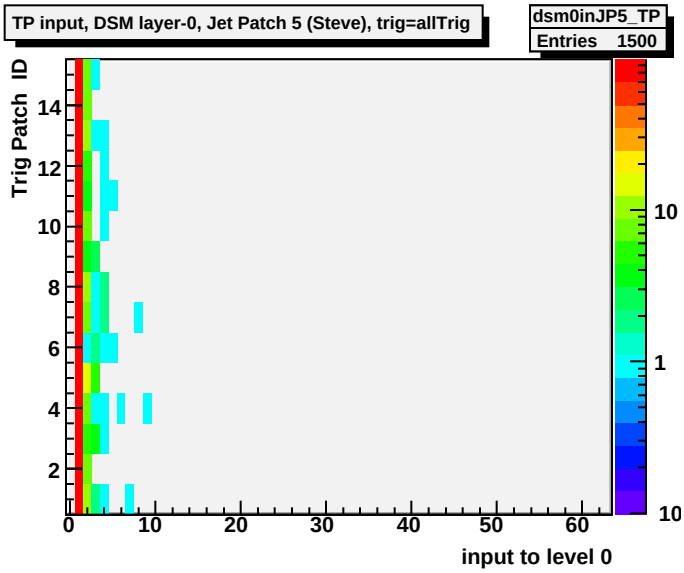
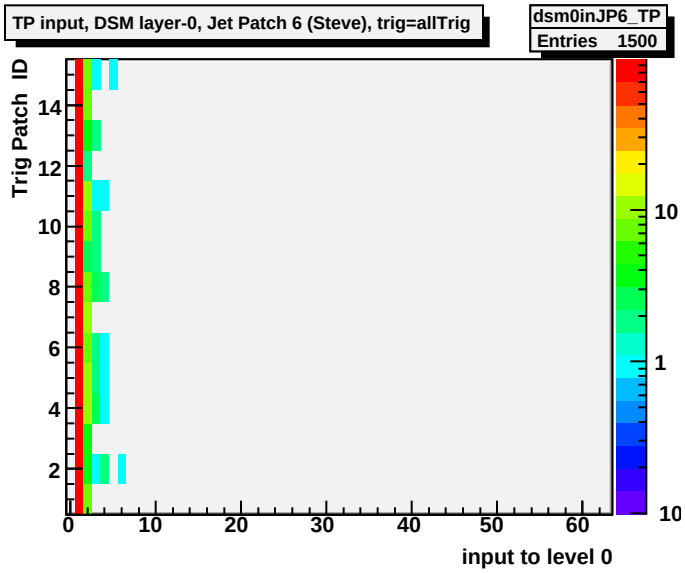
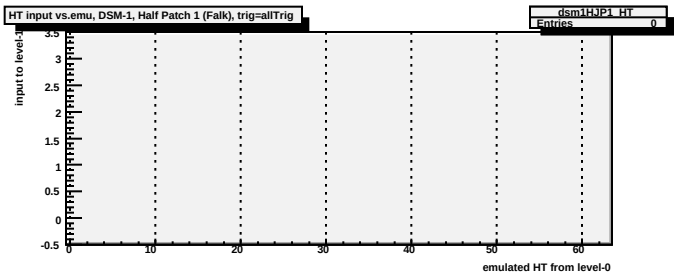
Entries 1500
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 1500
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_TP
Entries 1500
Trig Patch ID
input to level 0


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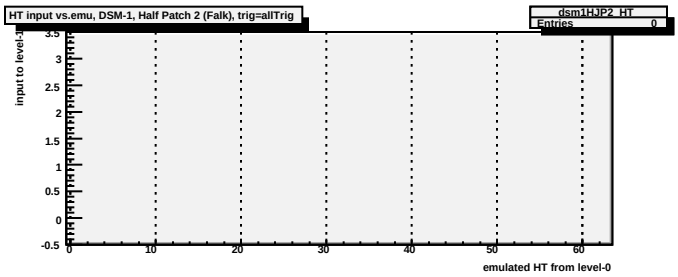
Entries 0
input to level-1
emulated HT from level-0


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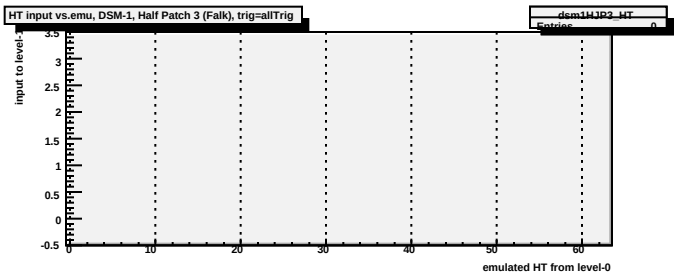
Entries 0
input to level-1
emulated HT from level-0


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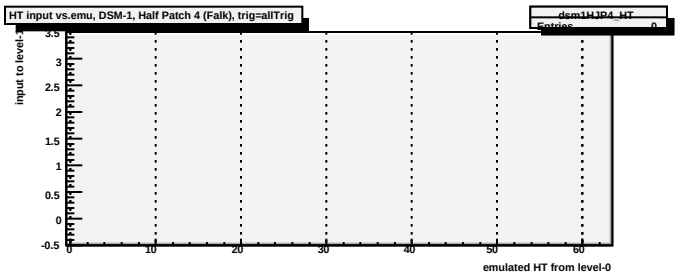
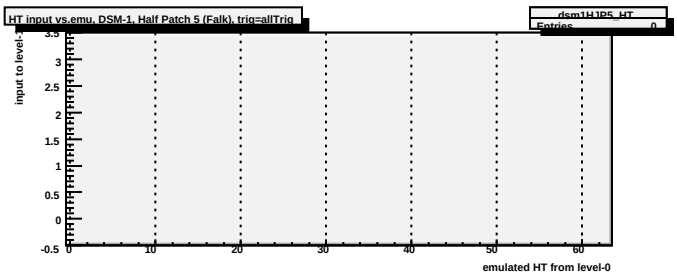
Entries 0
input to level-1
emulated HT from level-0


HT input vs.emu, DSM-1, Half Patch 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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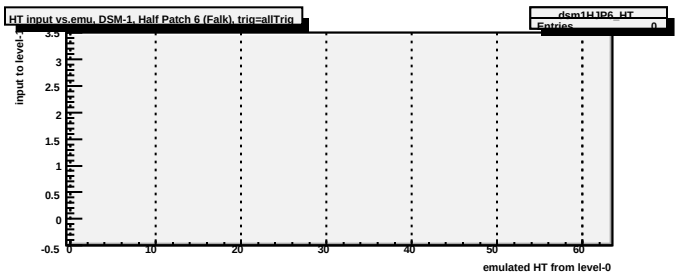
Entries 0
input to level-1
emulated HT from level-0


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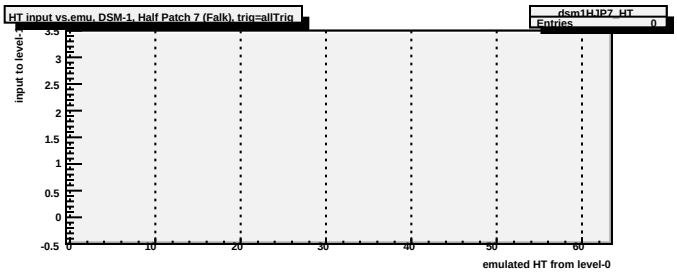
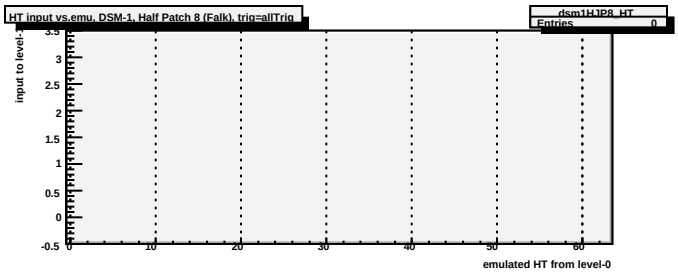
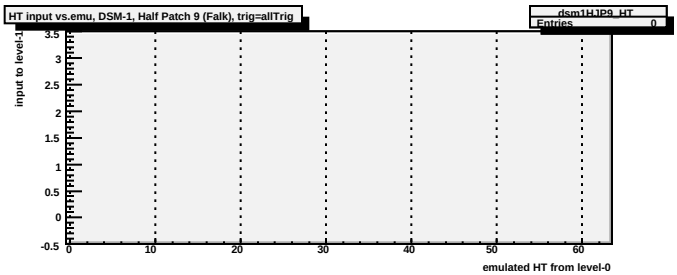
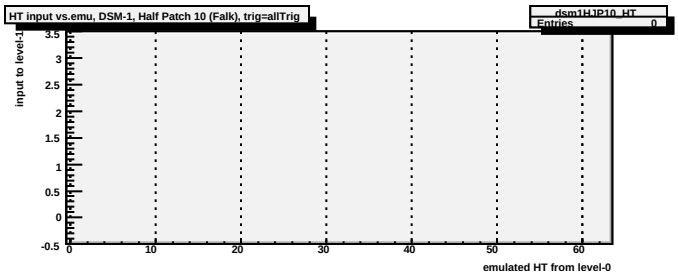
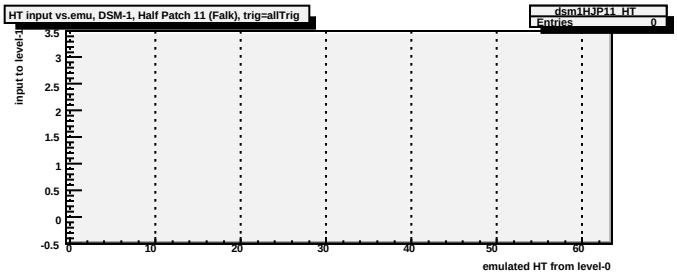
Entries 0
input to level-1
emulated HT from level-0


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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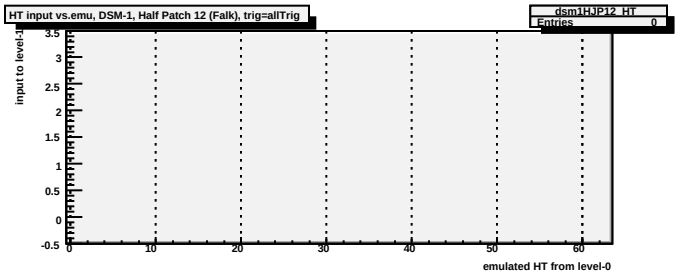
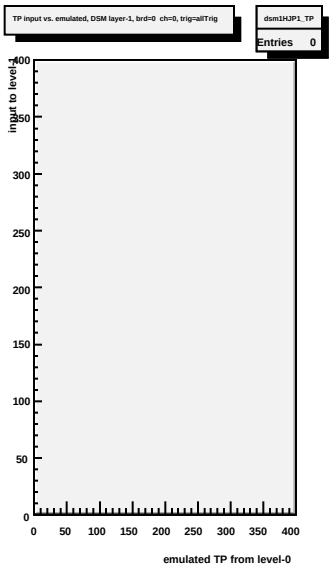
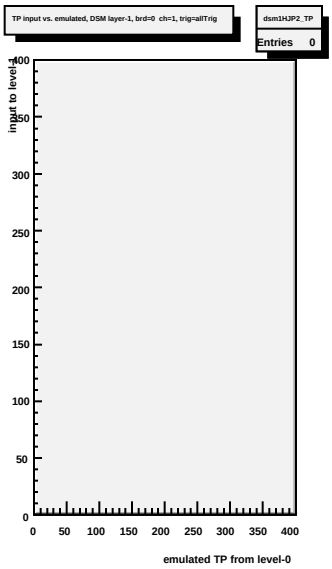
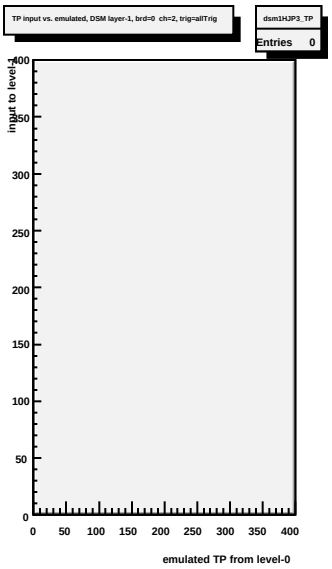
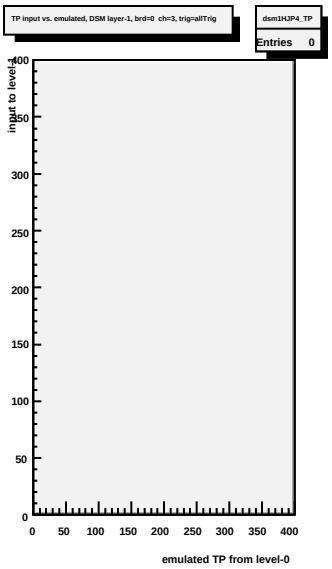
Entries 0
input to level-1
emulated HT from level-0

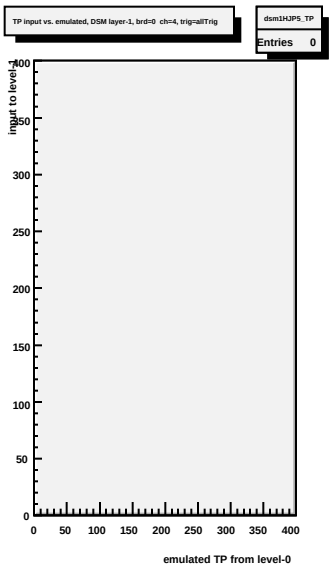

HT input vs.emu, DSM-1, Half Patch 12 (Falk), trig=allTrig
dsm1HJP12_HT
Entries 0
input to level-1
emulated HT from level-0

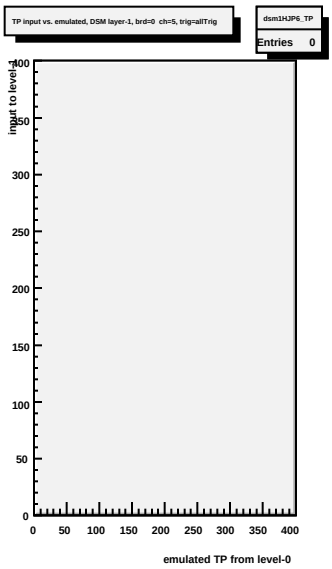

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
input to level-1
emulated TP from level-0

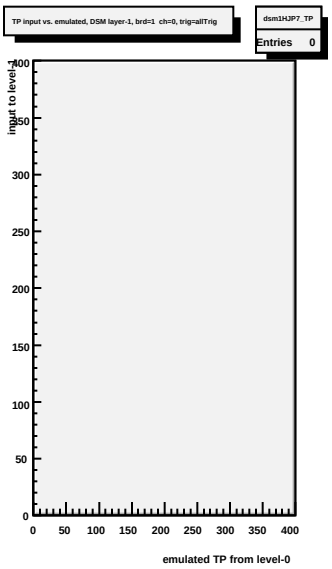

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

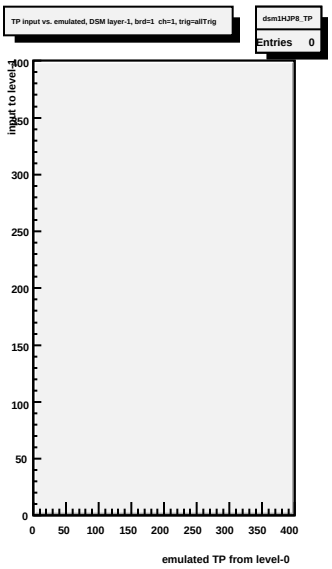

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

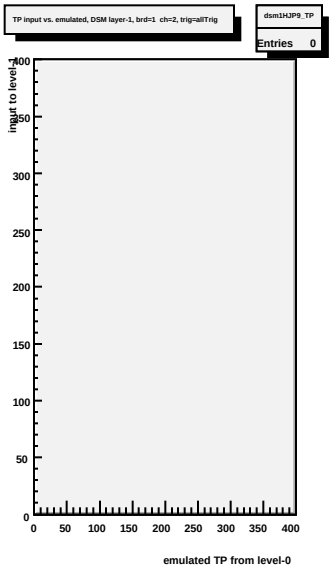

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

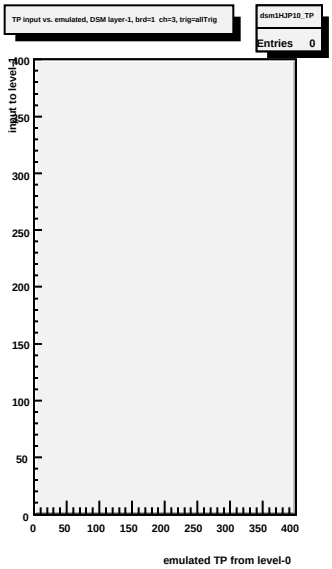

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

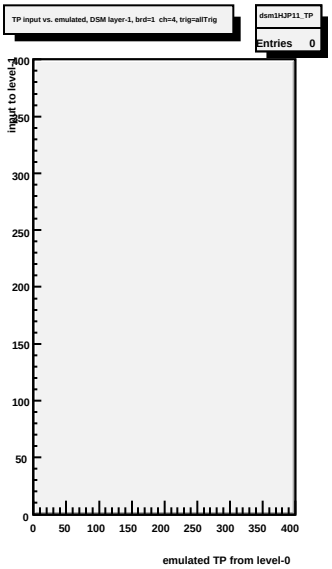

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

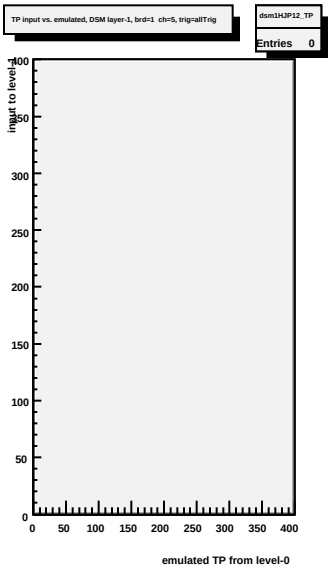

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

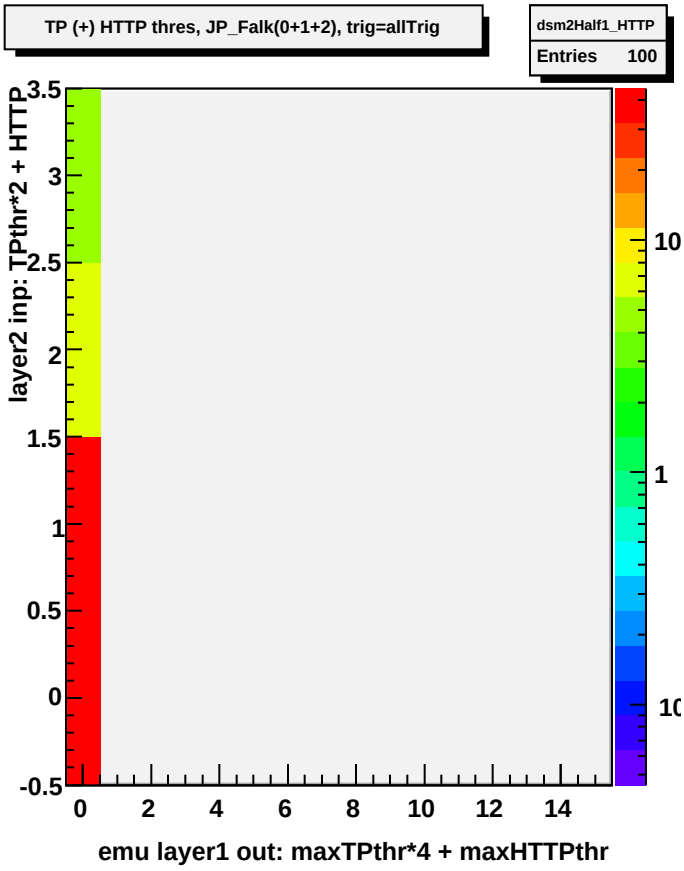

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

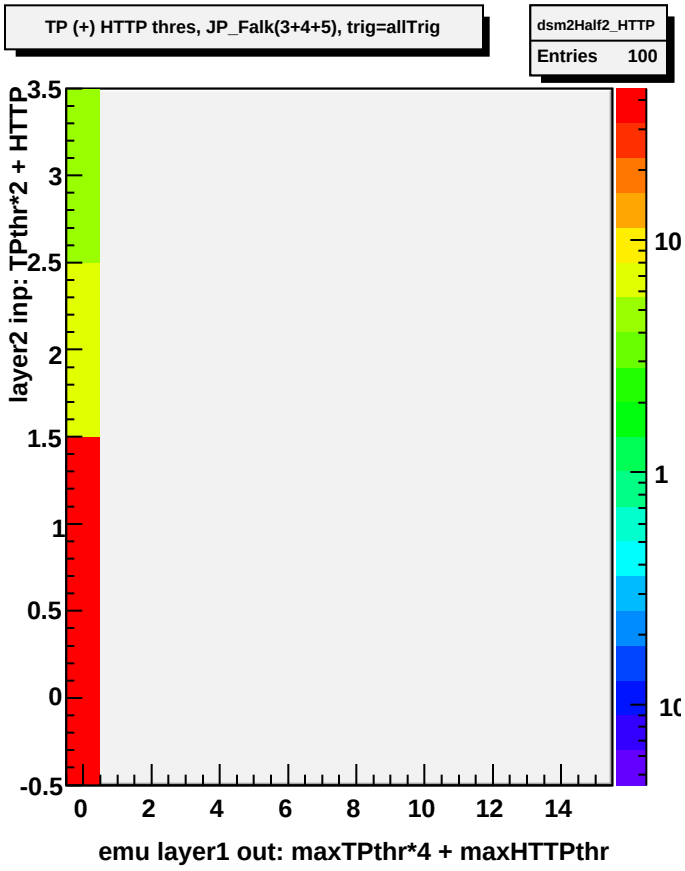

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

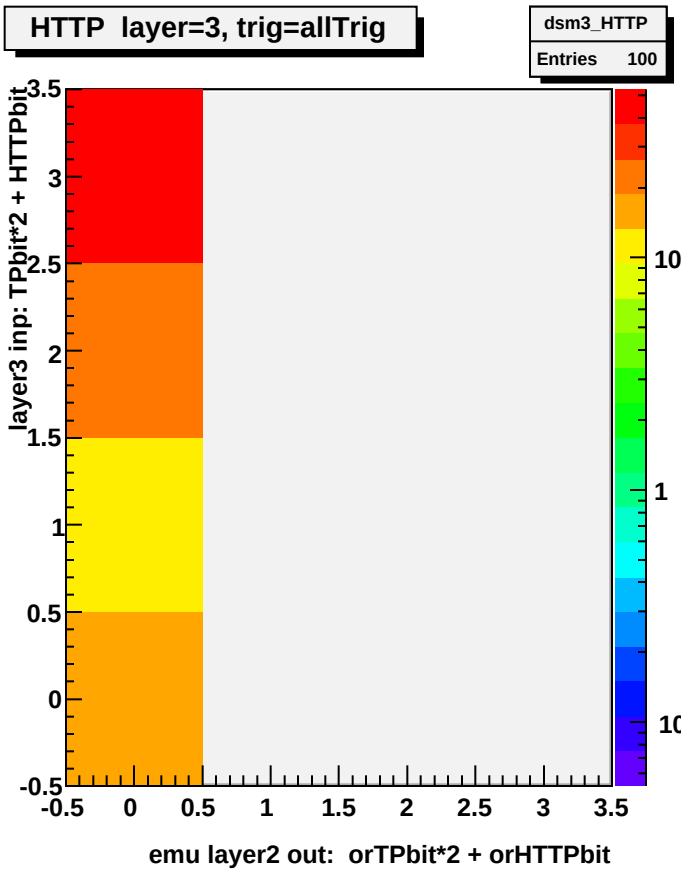

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

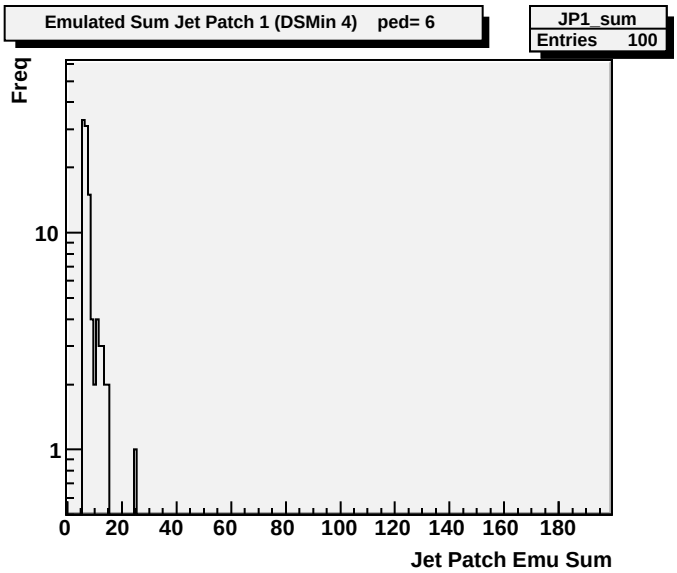

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

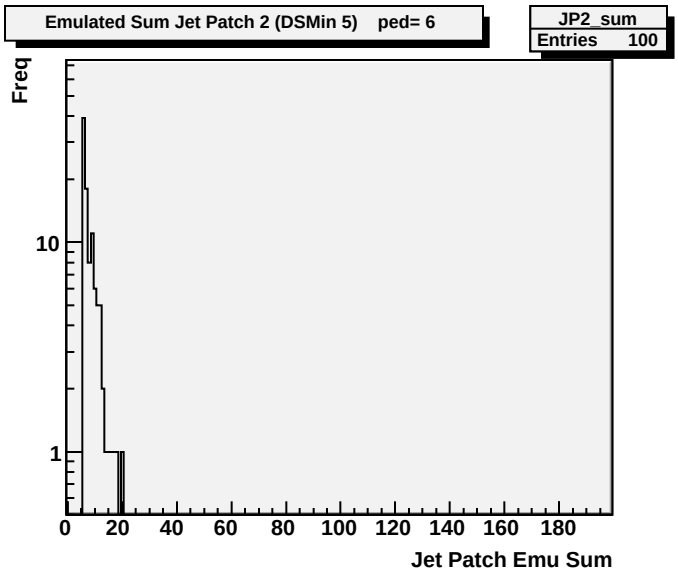

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

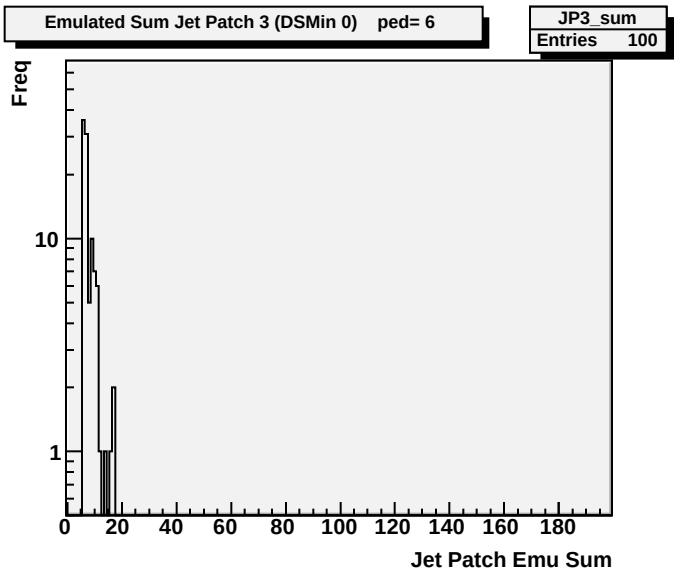

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 100
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

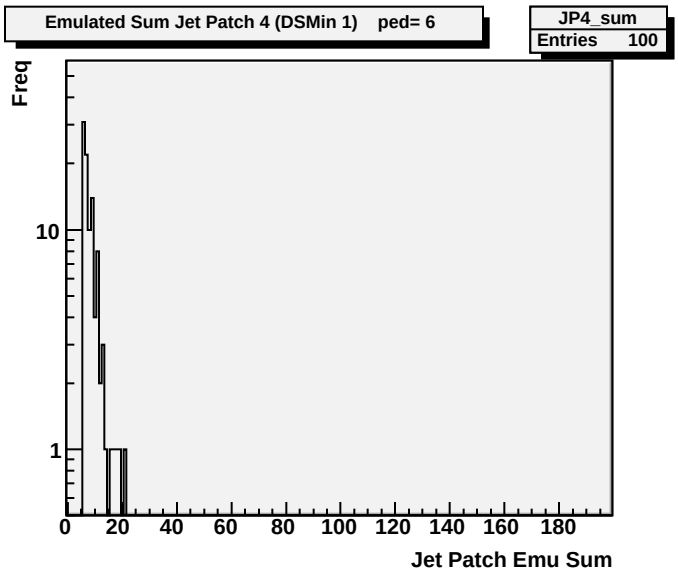

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 100
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

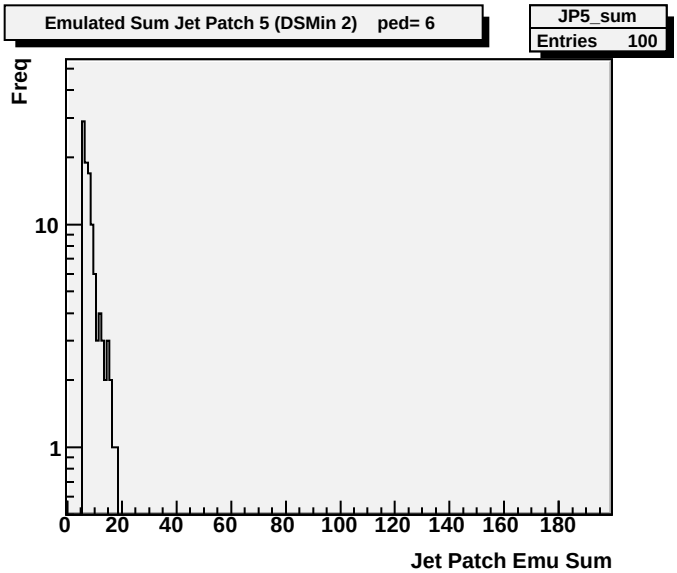

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 100
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

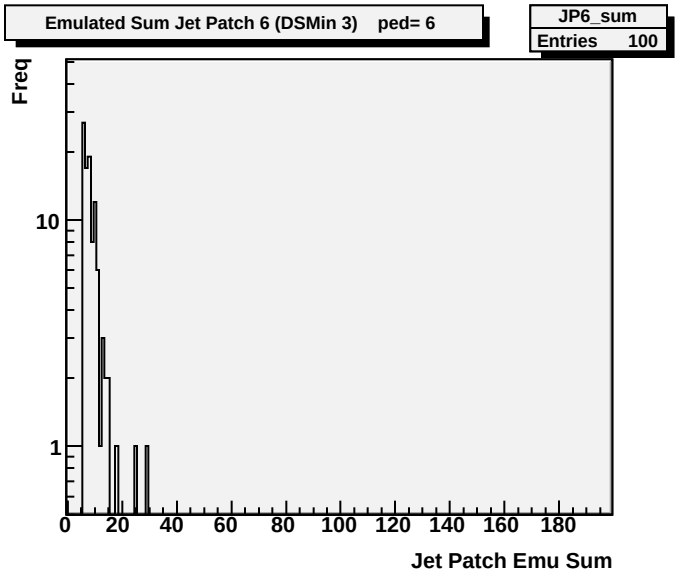

Emulated Sum Jet Patch 1 (DSMin 4) ped= 6
JP1_sum
Entries 100
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

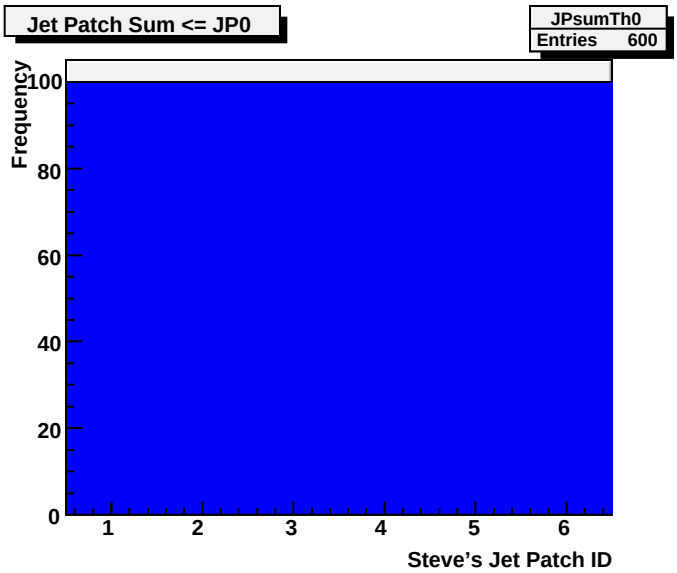

Emulated Sum Jet Patch 2 (DSMin 5) ped= 6
JP2_sum
Entries 100
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

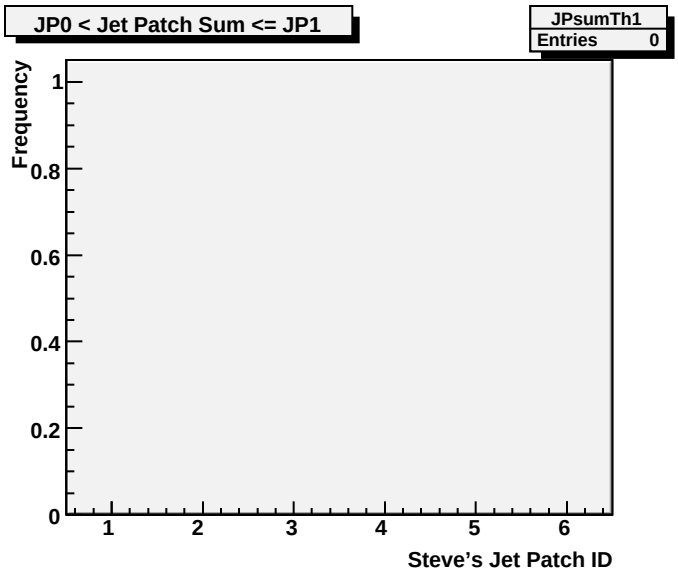

Emulated Sum Jet Patch 3 (DSMin 0) ped= 6
JP3_sum
Entries 100
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

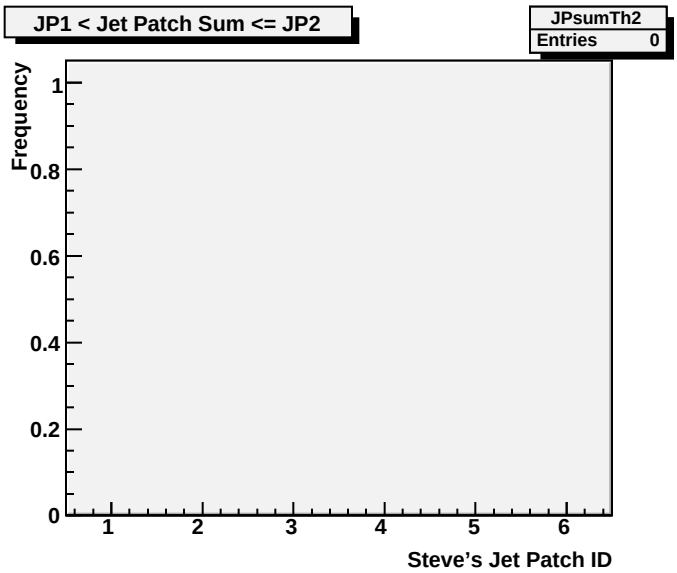

Emulated Sum Jet Patch 4 (DSMin 1) ped= 6
JP4_sum
Entries 100
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

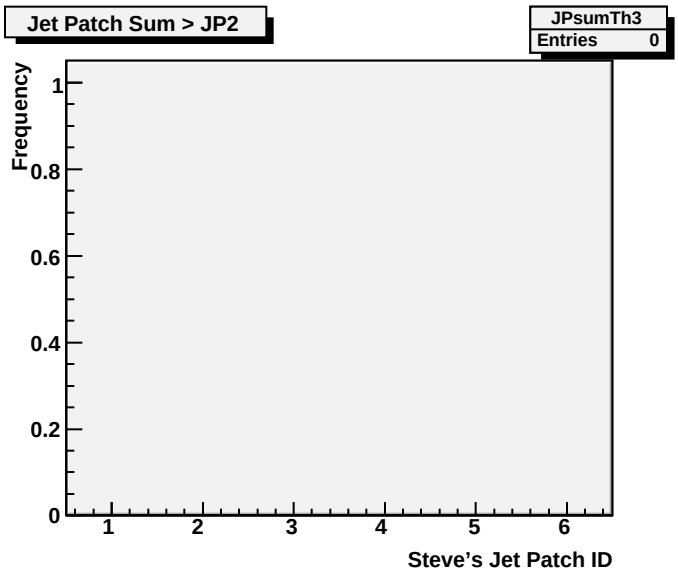

Emulated Sum Jet Patch 5 (DSMin 2) ped= 6
JP5_sum
Entries 100
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

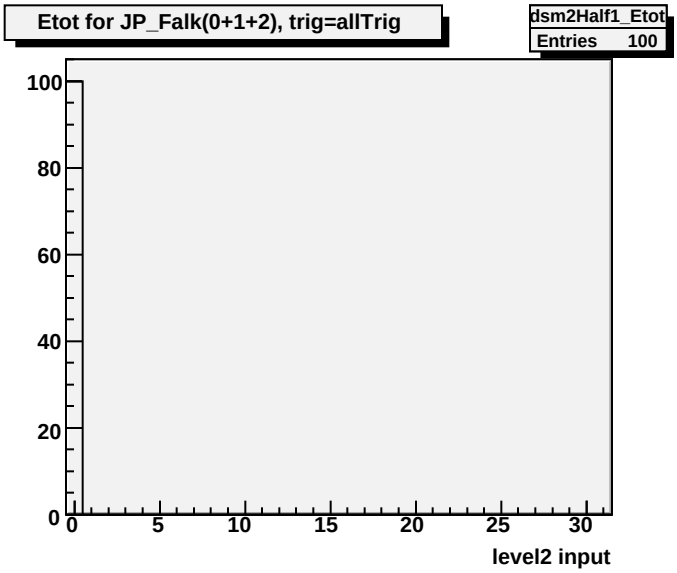

Emulated Sum Jet Patch 6 (DSMin 3) ped= 6
JP6_sum
Entries 100
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

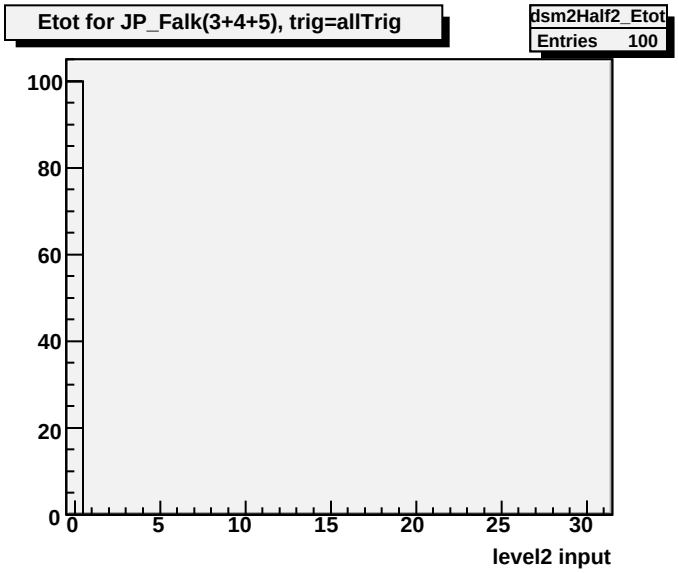

Jet Patch Sum <= JP0
JPsumTh0
Entries 600
Frequency
Steve's Jet Patch ID

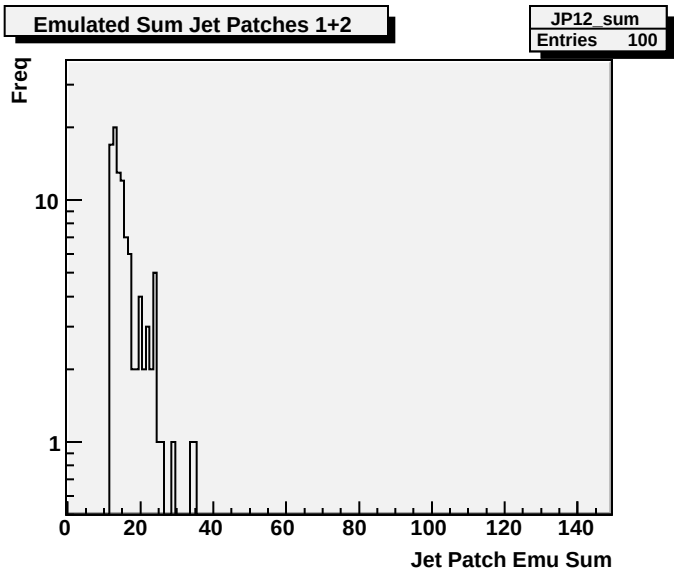

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 0
Frequency
Steve's Jet Patch ID

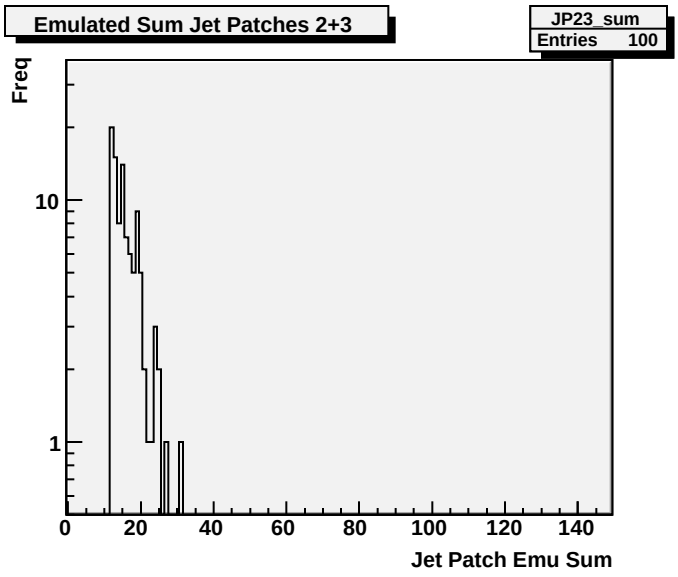

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

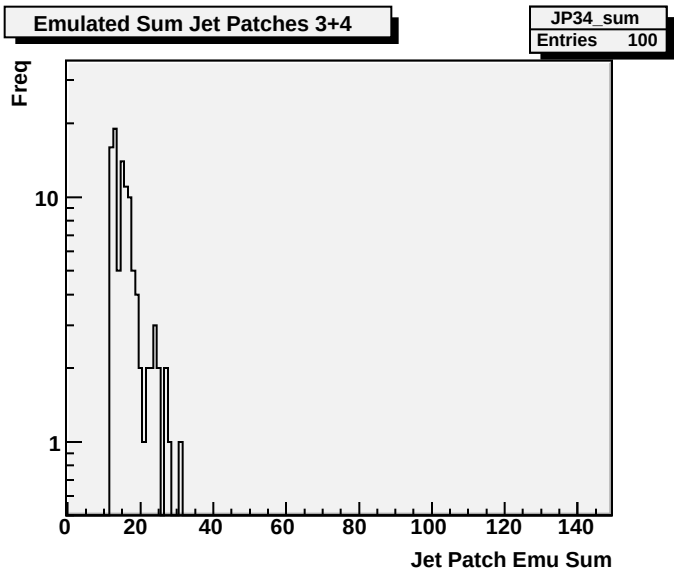

Jet Patch Sum > JP2
JPsumTh3
Entries 0
Frequency
Steve's Jet Patch ID

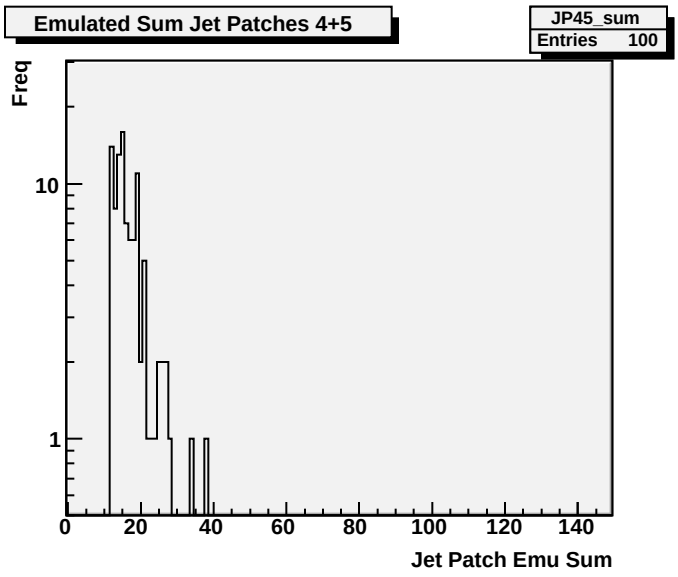

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 100
level2 input

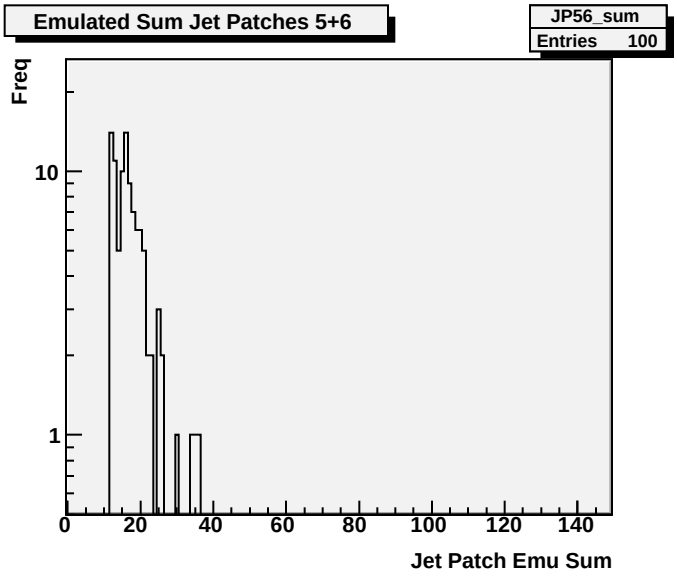

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 100
level2 input

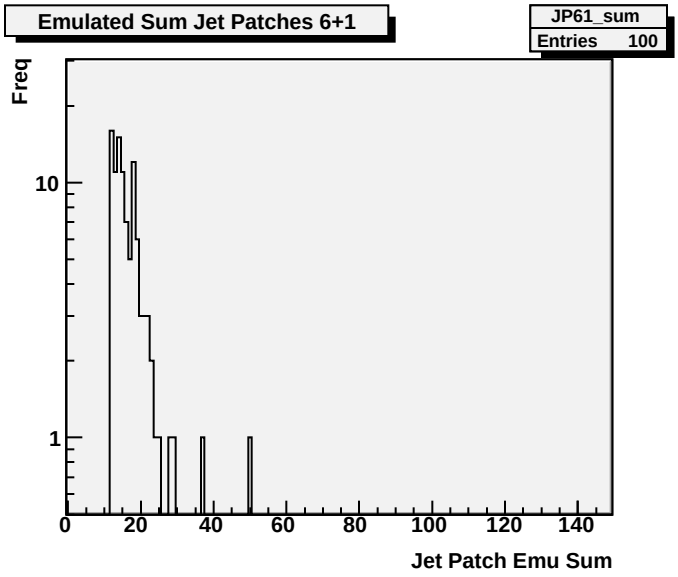

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 100
Freq
10
1
0
20
40
60
80
100
120
140
Jet Patch Emu Sum

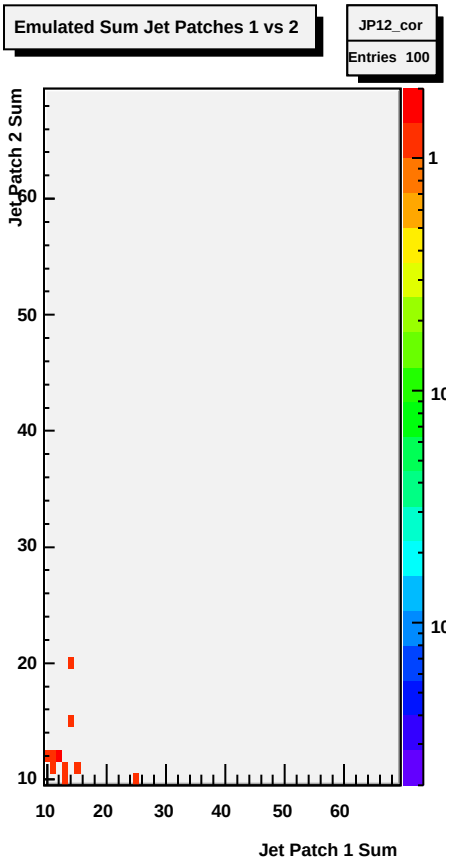

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 100
Freq
10
1
0
20
40
60
80
100
120
140
Jet Patch Emu Sum

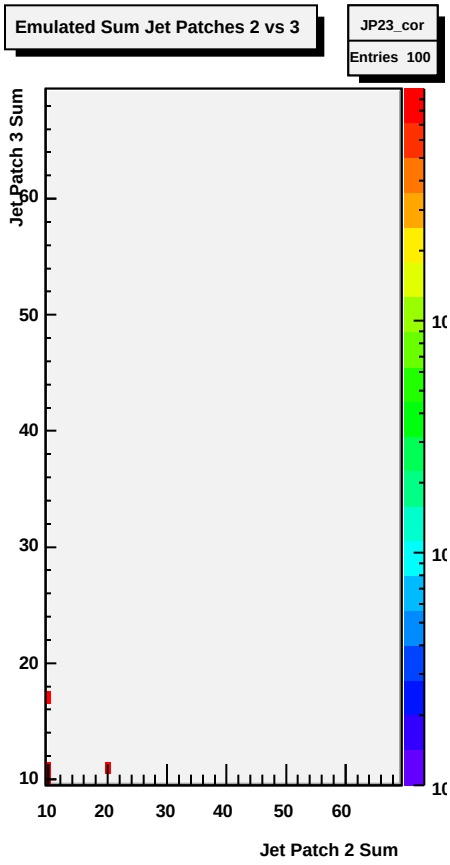

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 100
Freq
10
1
0
20
40
60
80
100
120
140
Jet Patch Emu Sum

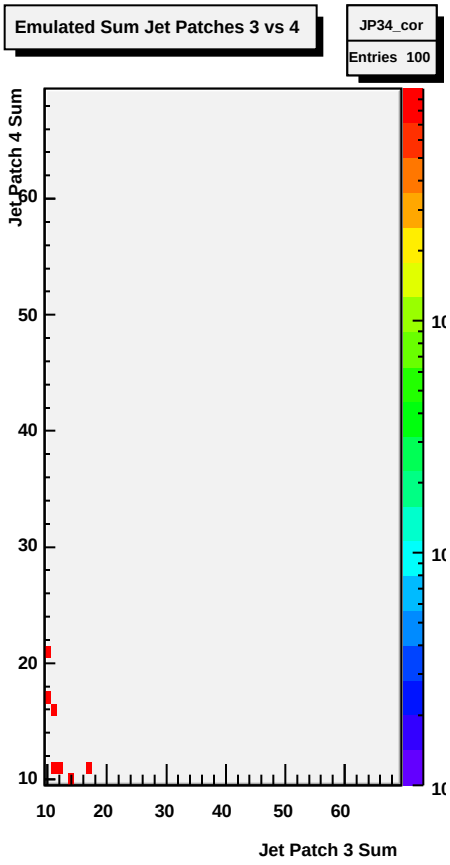

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 100
Freq
10
1
0
20
40
60
80
100
120
140
Jet Patch Emu Sum

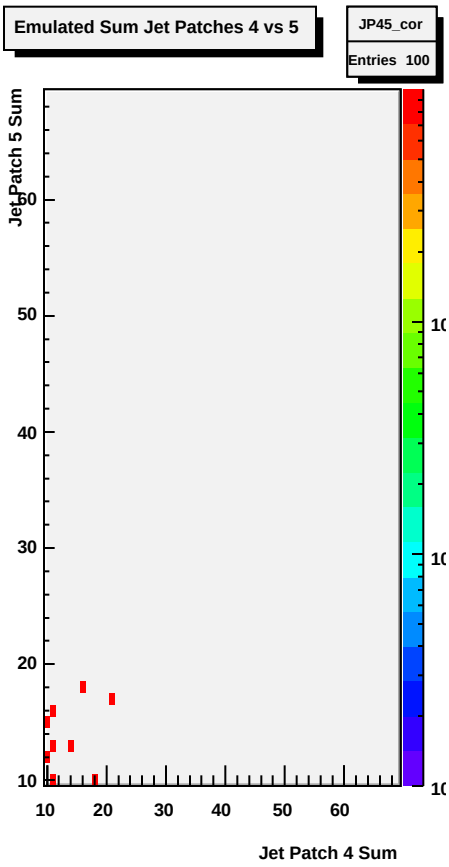

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 100
Freq
10
1
0
20
40
60
80
100
120
140
Jet Patch Emu Sum

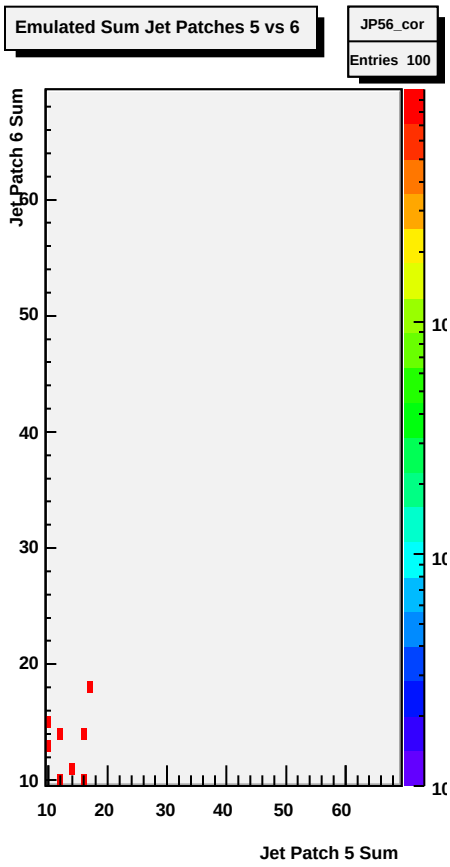

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 100
Freq
10
1
0
20
40
60
80
100
120
140
Jet Patch Emu Sum

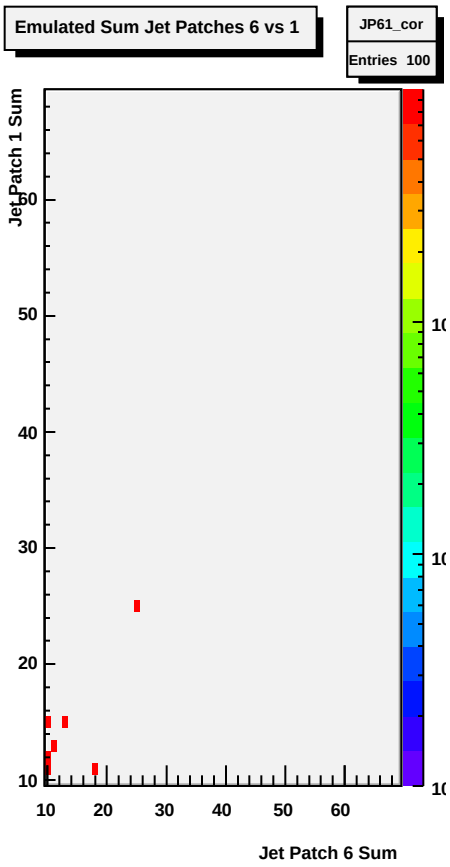

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 100
Jet Patch 2 Sum
Jet Patch 1 Sum

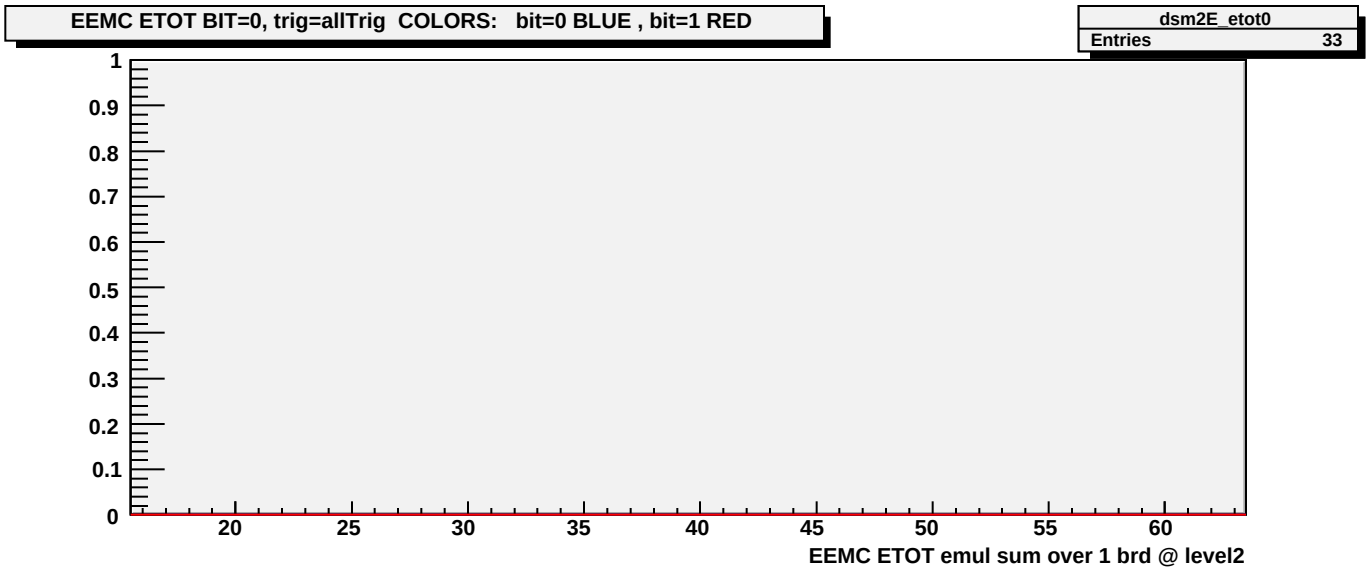

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 100
Jet Patch 3 Sum
Jet Patch 2 Sum

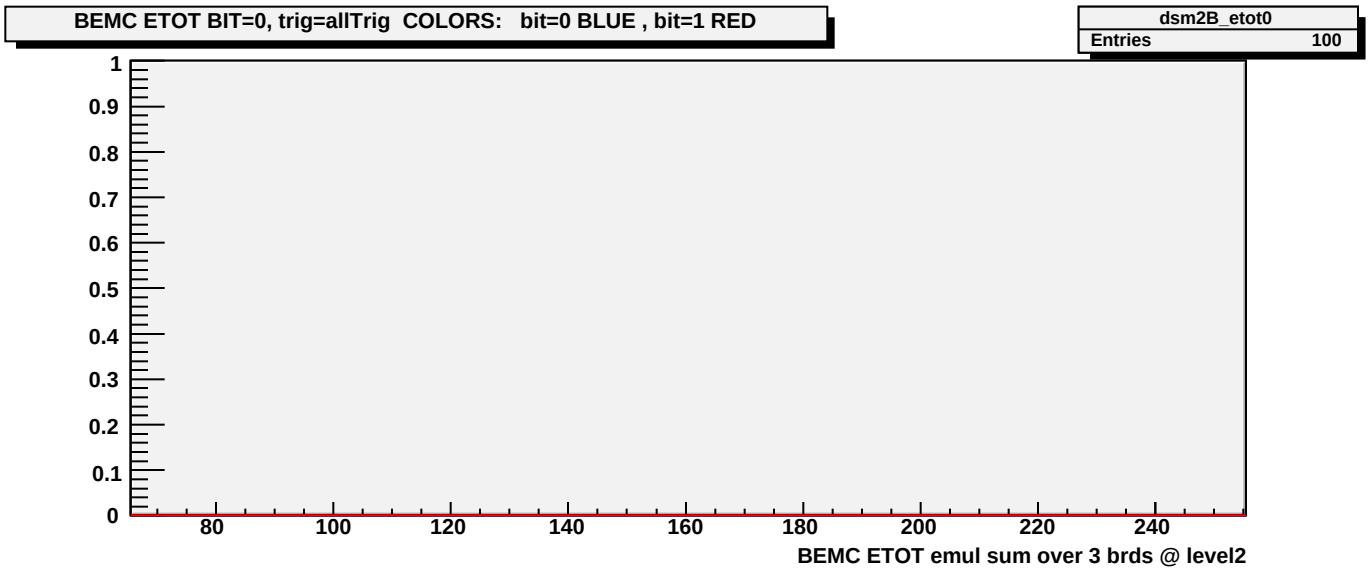

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 100
Jet Patch 4 Sum
Jet Patch 3 Sum

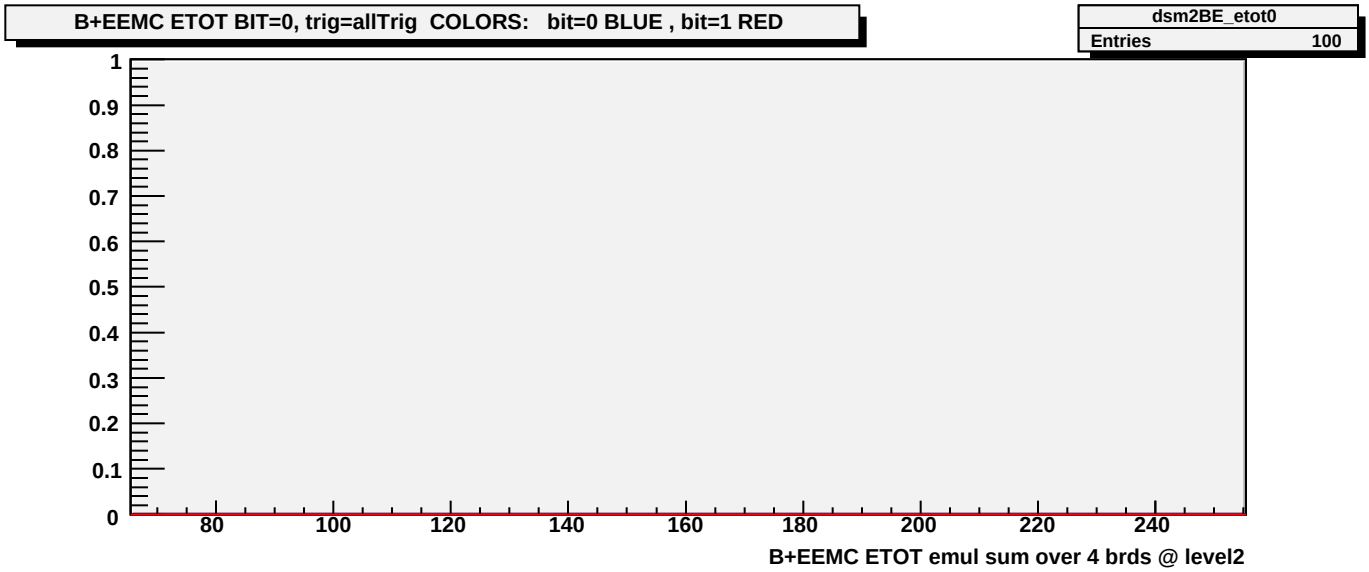

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 100
Jet Patch 5 Sum
Jet Patch 4 Sum

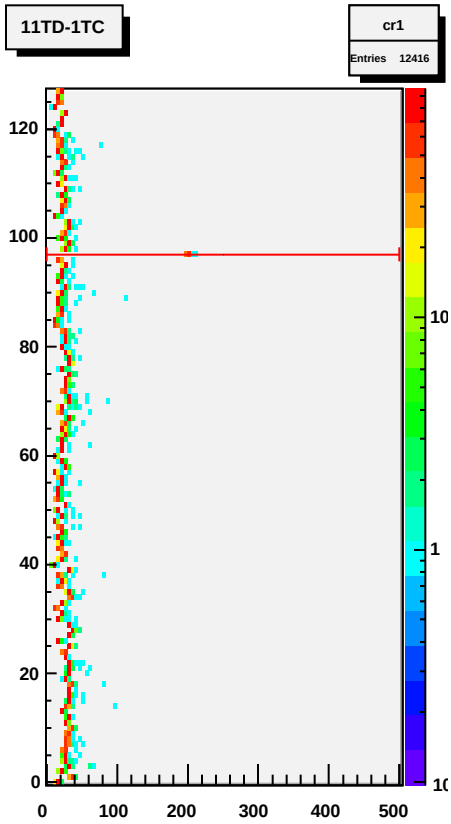

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 100
Jet Patch 6 Sum
Jet Patch 5 Sum

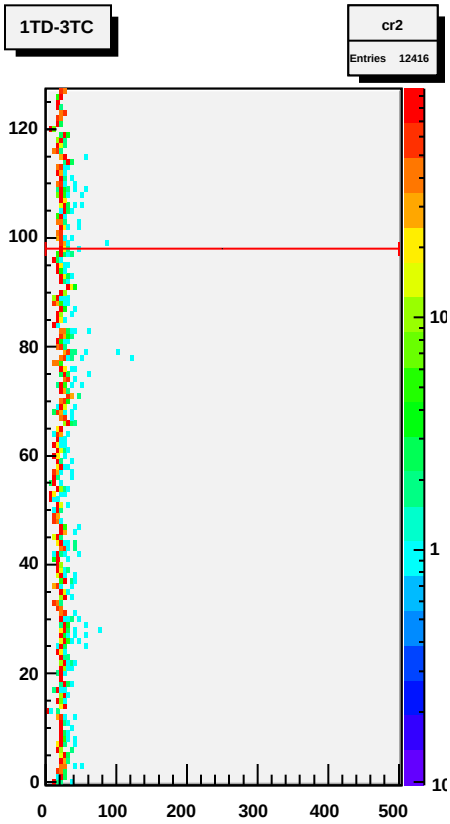

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 100
Jet Patch 1 Sum
Jet Patch 6 Sum

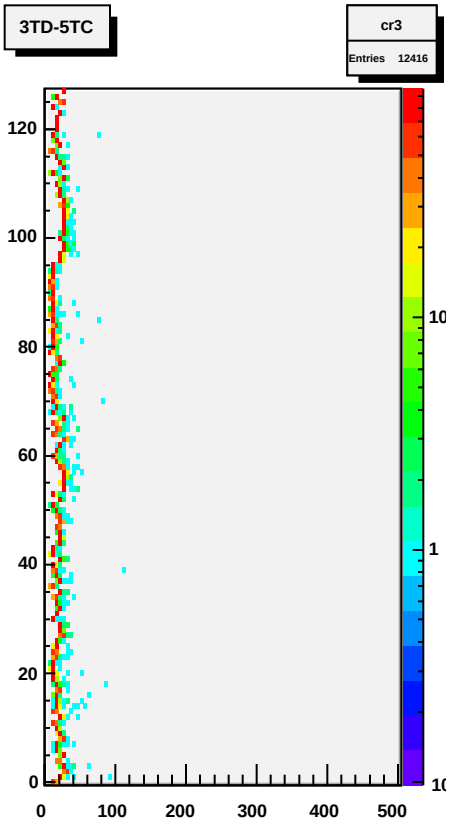

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 33
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
20
25
30
35
40
45
50
55
60
EEMC ETOT emul sum over 1 brd @ level2

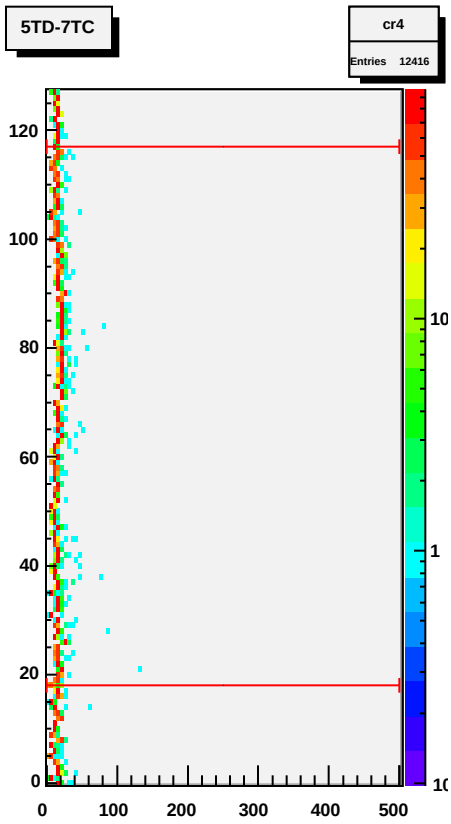

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 100
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
BEMC ETOT emul sum over 3 brds @ level2

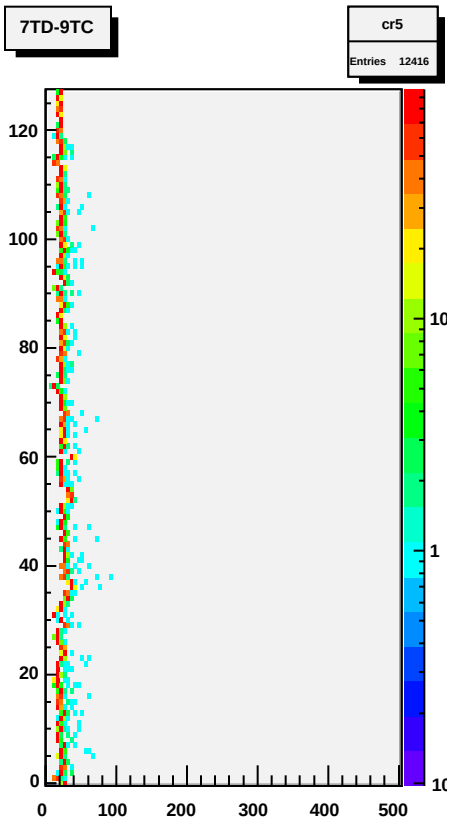

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 100
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
B+EEMC ETOT emul sum over 4 brds @ level2

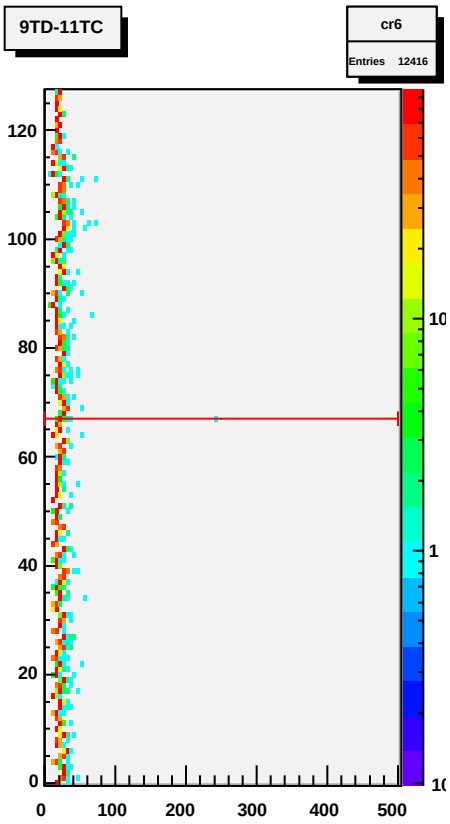

11TD-1TC
cr1
Entries 12416

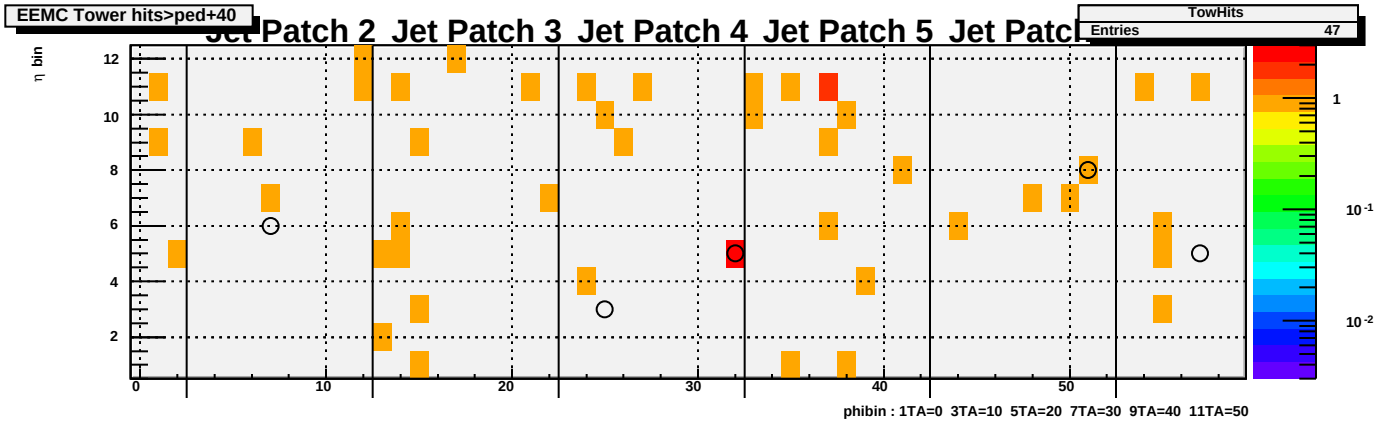

1TD-3TC
cr2
Entries 12416

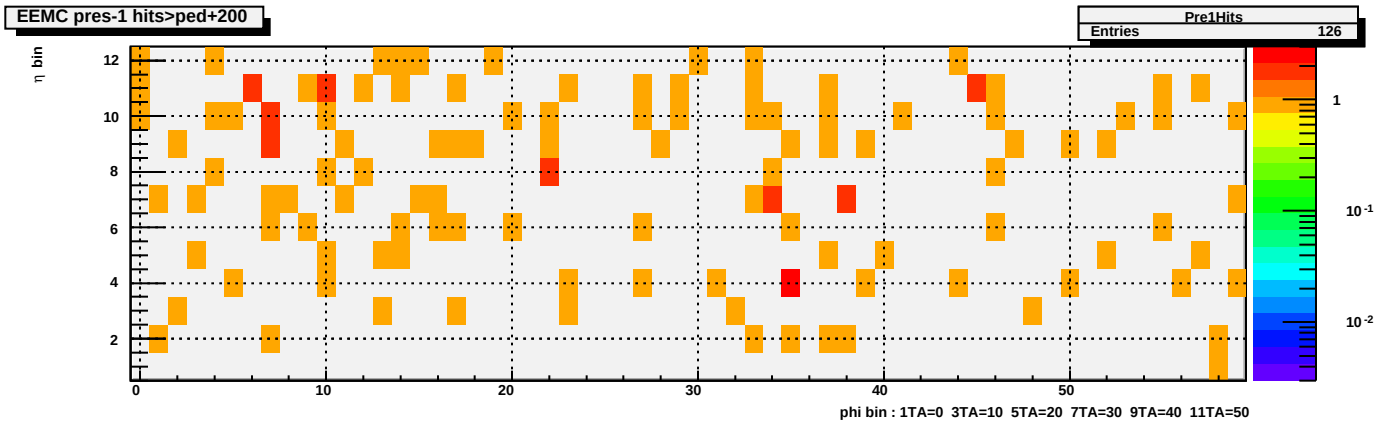

3TD-5TC
cr3
Entries 12416

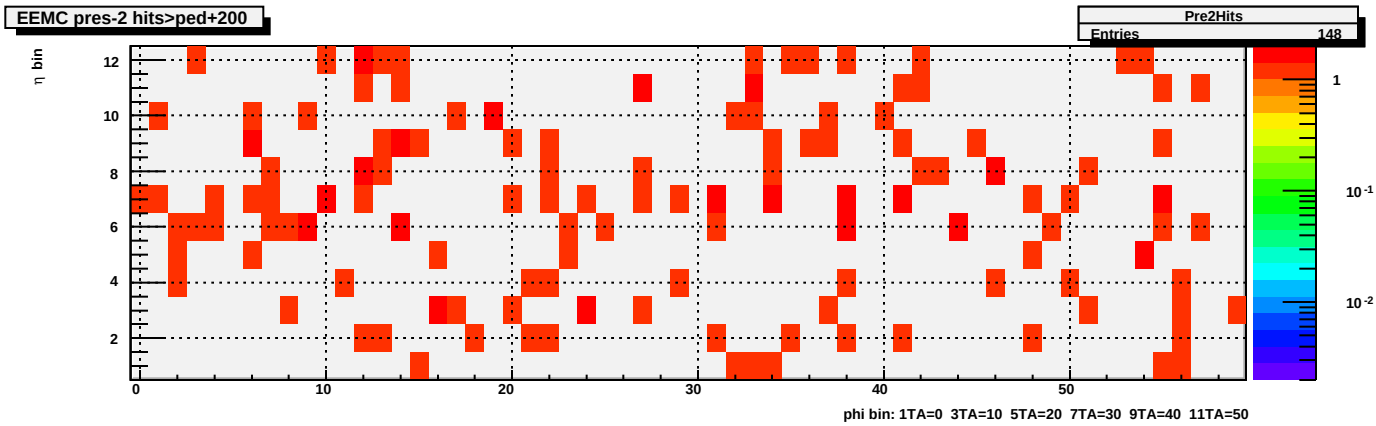

5TD-7TC
cr4
Entries 12416

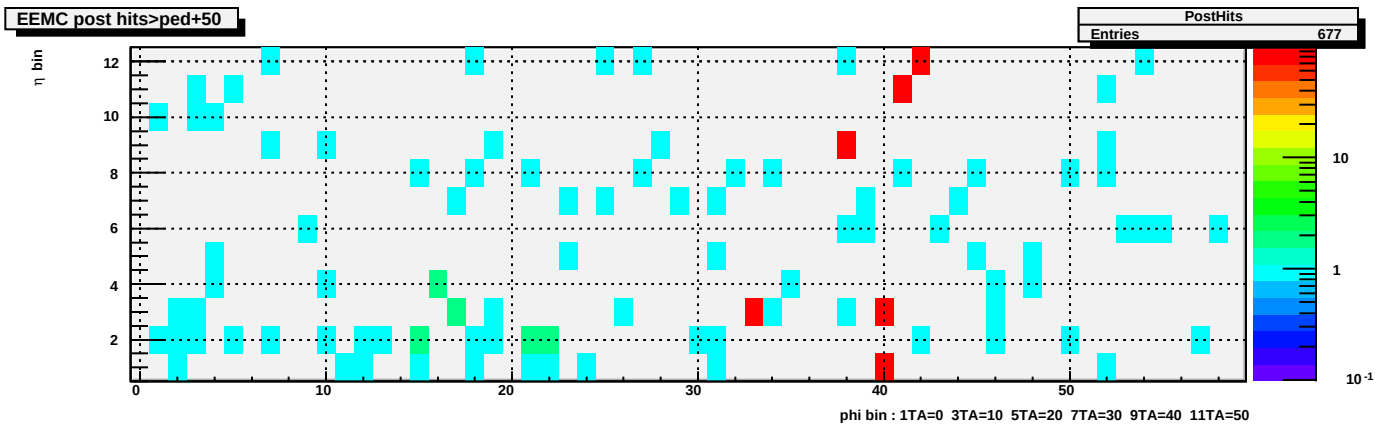

7TD-9TC
cr5
Entries 12416

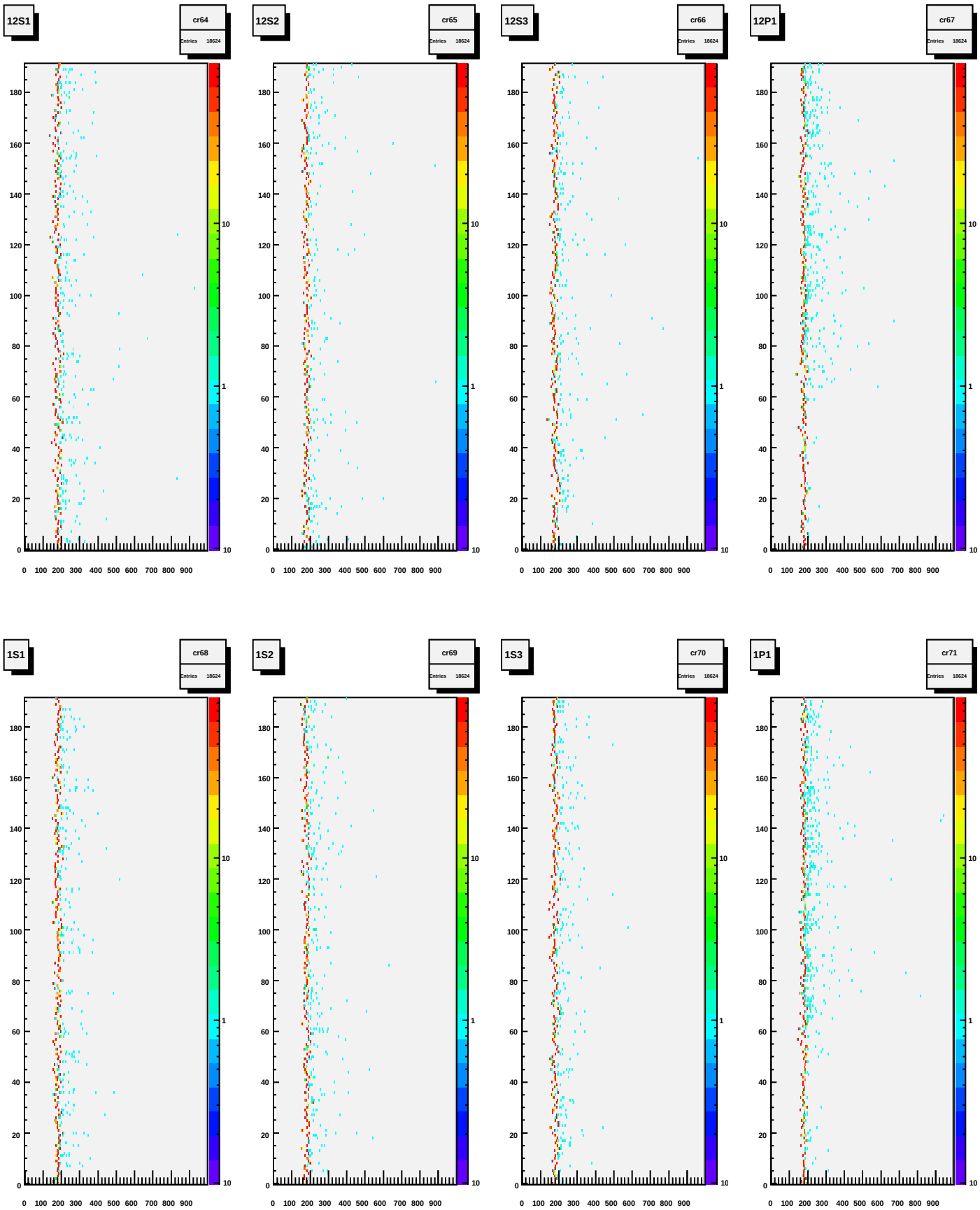

9TD-11TC
cr6
Entries 12416

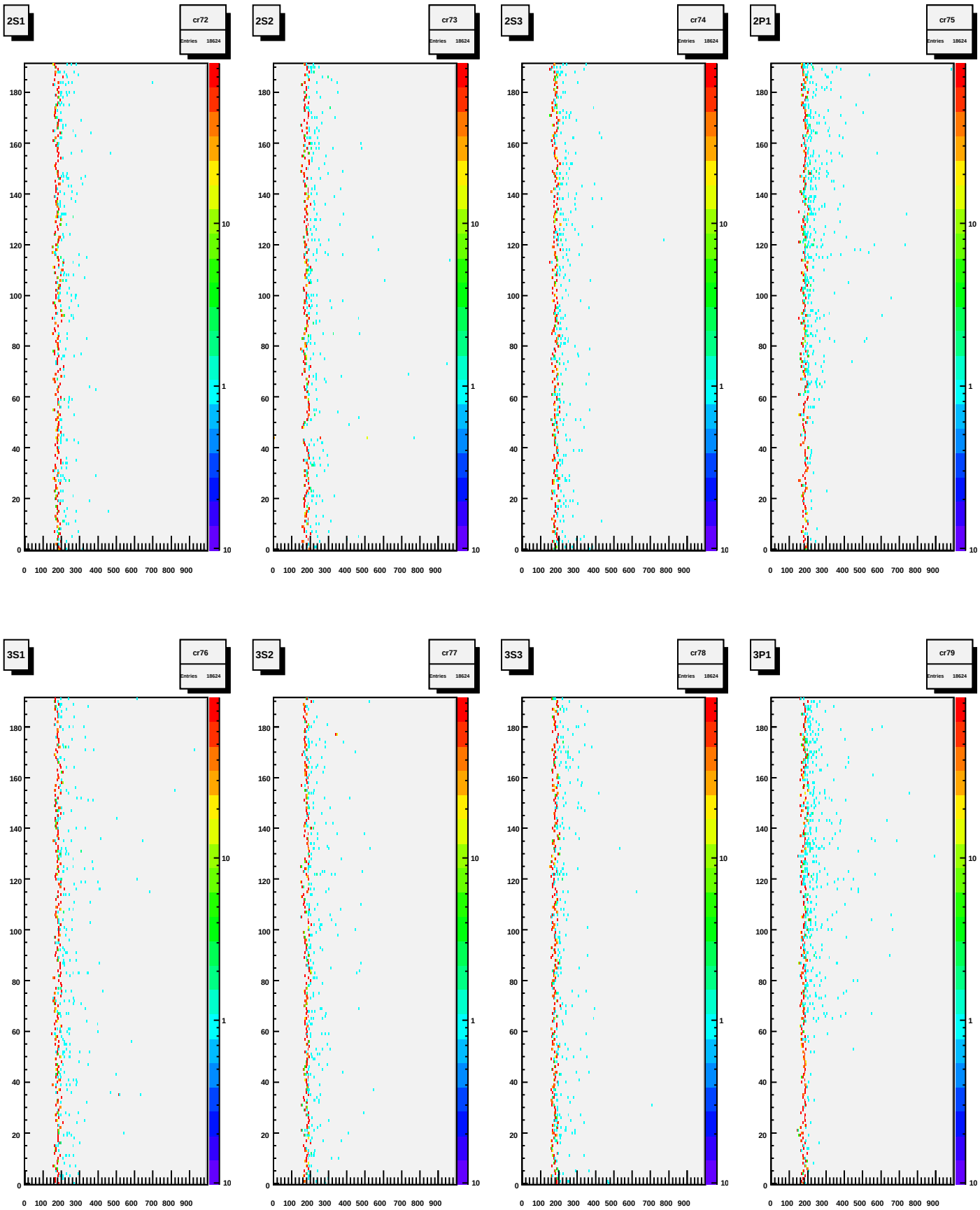

EEMC Tower hits>ped+40
Jet Patch 2 Jet Patch 3 Jet Patch 4 Jet Patch 5 Jet Patch
TowHits
Entries 47
η bin
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

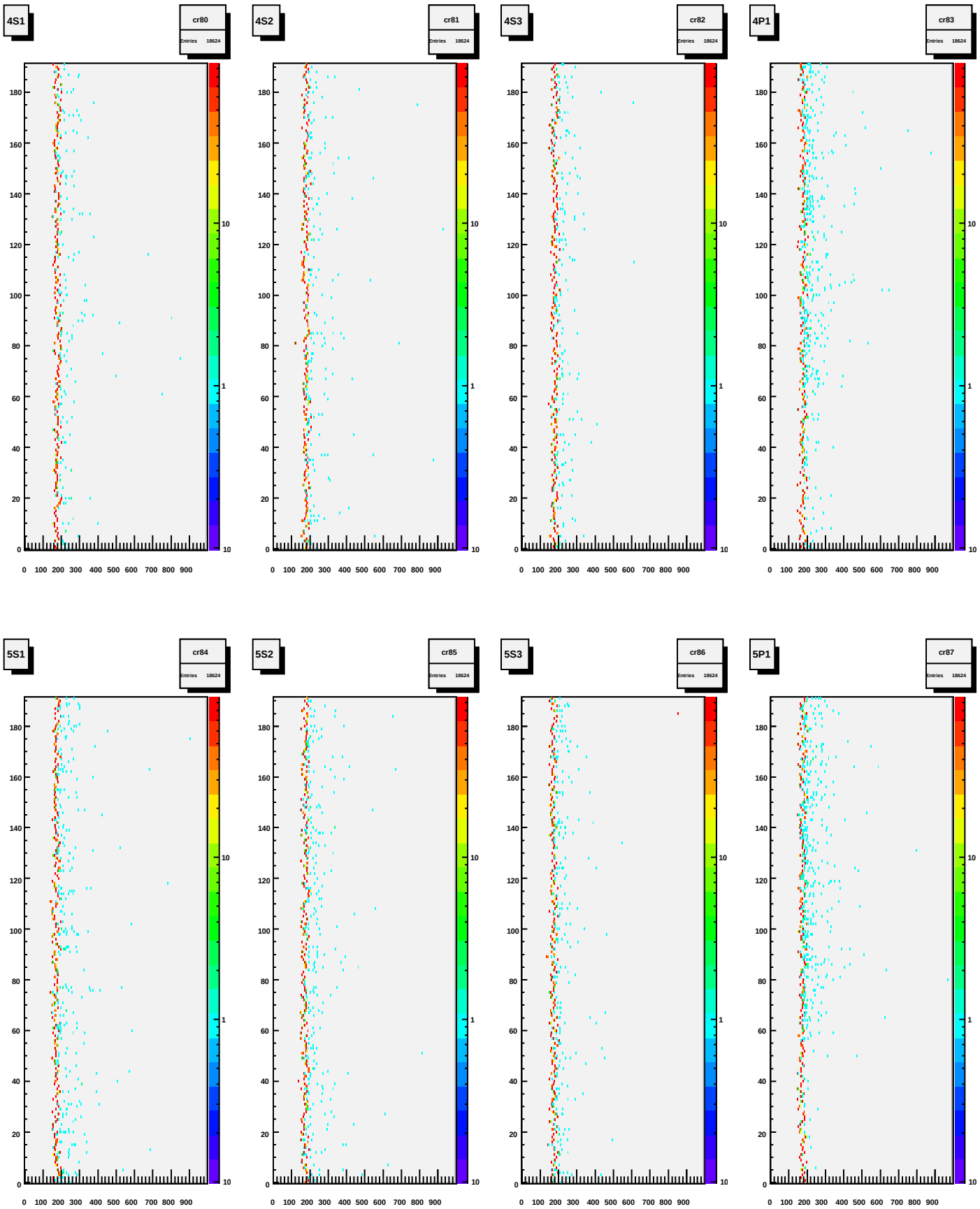

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 126
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

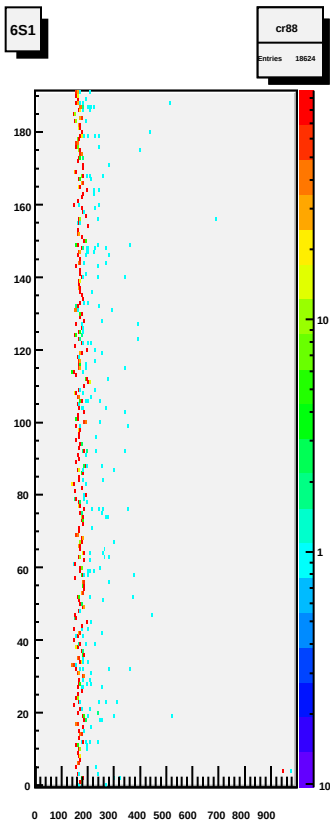

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 148
η bin
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

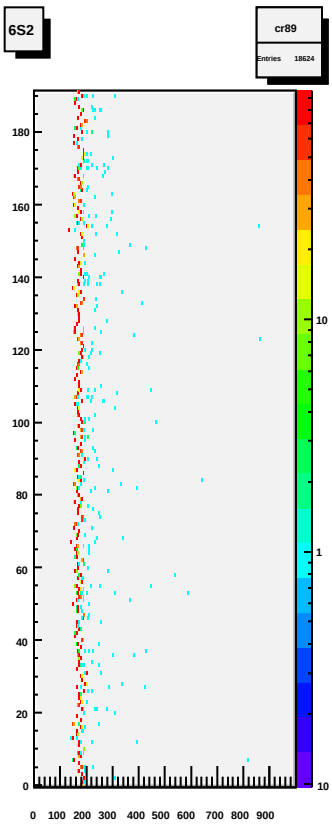

EEMC post hits>ped+50
PostHits
Entries 677
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

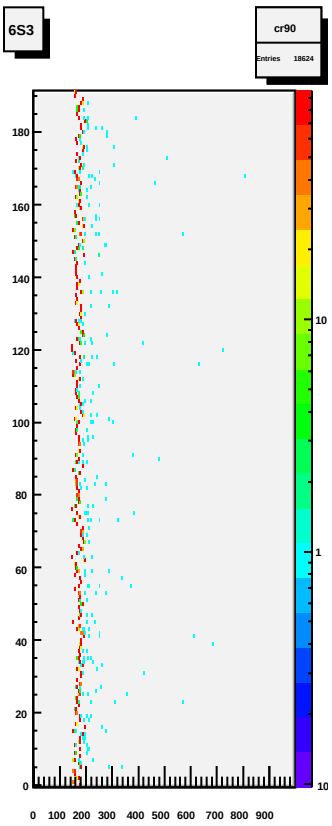

12S1
cr64
Entries 18624
12S2
cr65
Entries 18624
12S3
cr66
Entries 18624
12P1
cr67
Entries 18624
1S1
cr68
Entries 18624
1S2
cr69
Entries 18624
1S3
cr70
Entries 18624
1P1
cr71
Entries 18624
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

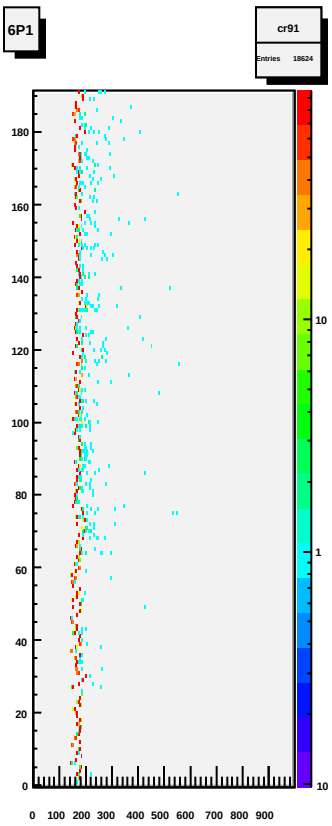

2S1
cr72
Entries 18624
2S2
cr73
Entries 18624
2S3
cr74
Entries 18624
2P1
cr75
Entries 18624
3S1
cr76
Entries 18624
3S2
cr77
Entries 18624
3S3
cr78
Entries 18624
3P1
cr79
Entries 18624
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

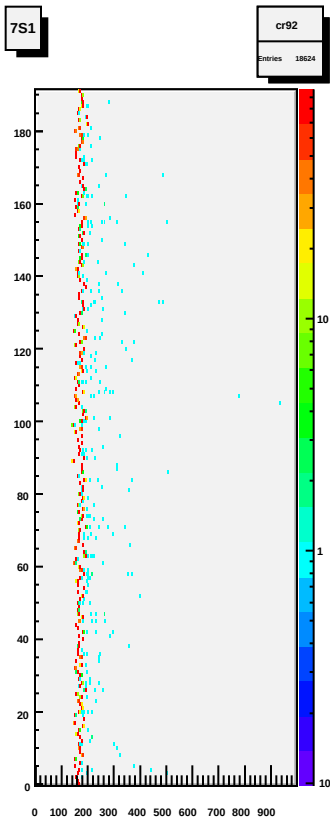

4S1
cr80
Entries 18624
4S2
cr81
Entries 18624
4S3
cr82
Entries 18624
4P1
cr83
Entries 18624
5S1
cr84
Entries 18624
5S2
cr85
Entries 18624
5S3
cr86
Entries 18624
5P1
cr87
Entries 18624
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

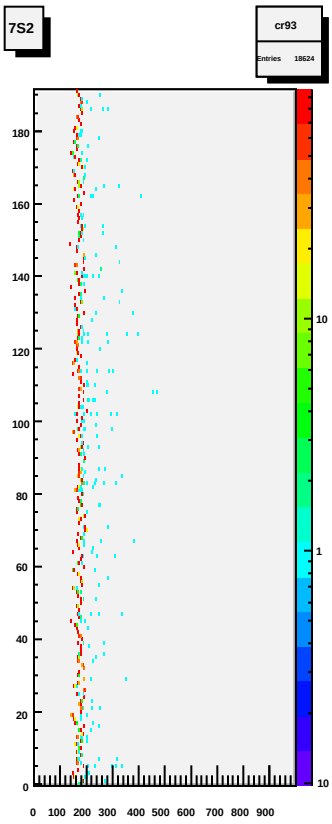

6S1
cr88
Entries 18624

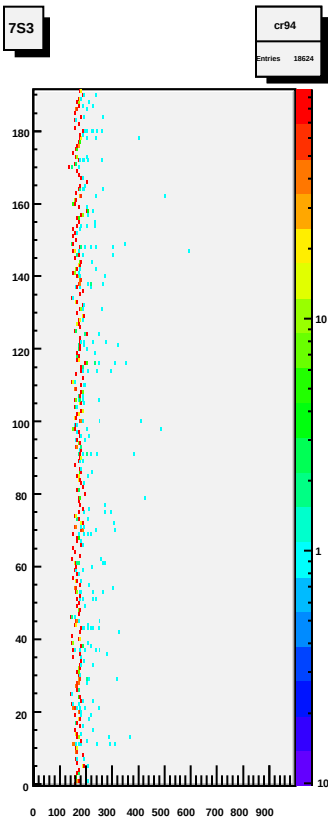

6S2
cr89
Entries 18624

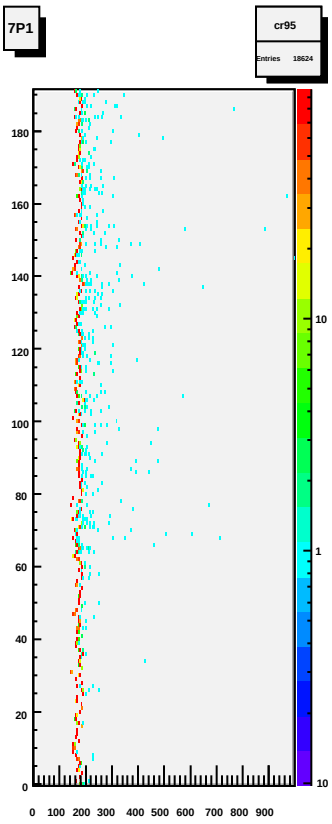

6S3
cr90
Entries 18624

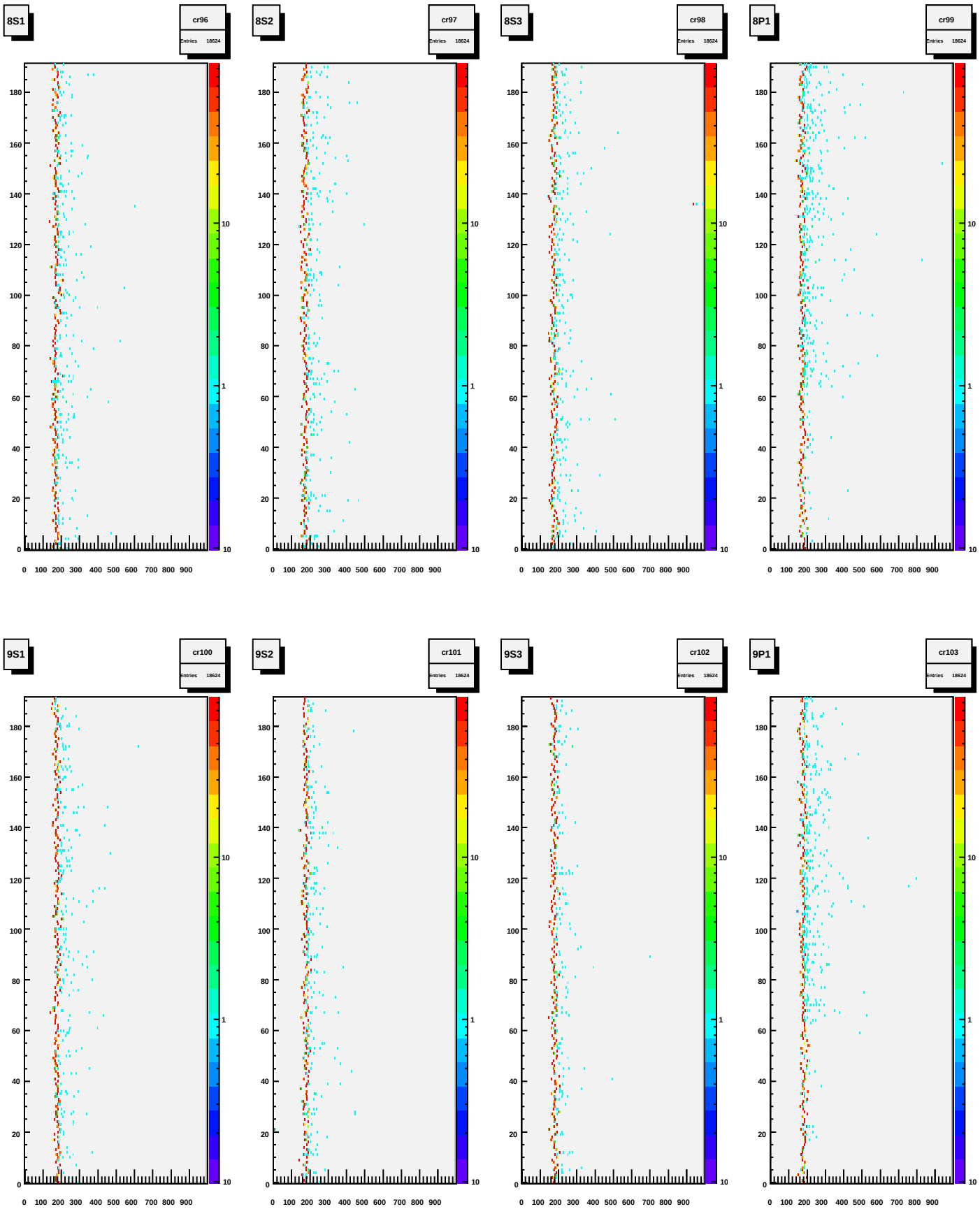

6P1
cr91
Entries 18624

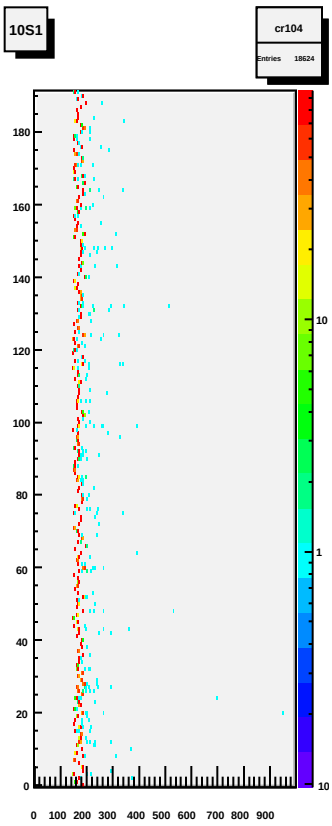

7S1
cr92
Entries 18624

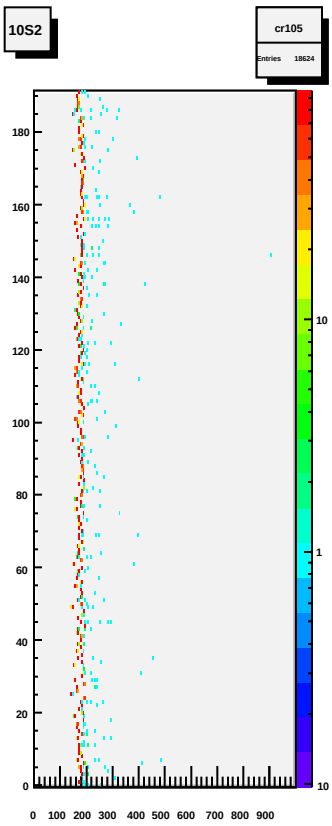

7S2
cr93
Entries 18624

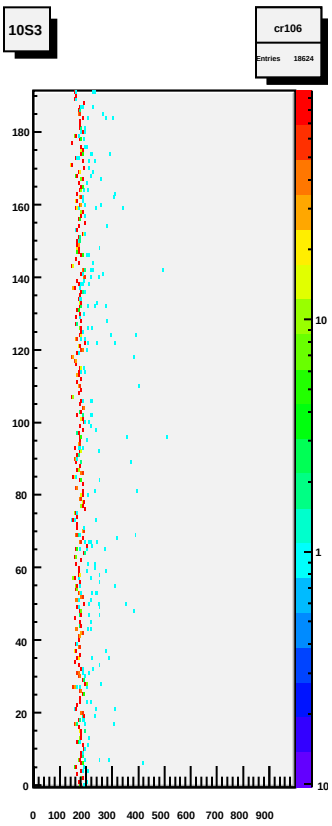

7S3
cr94
Entries 18624

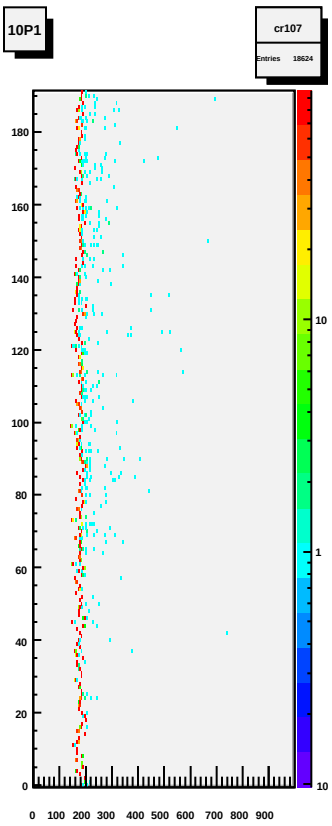

7P1
cr95
Entries 18624

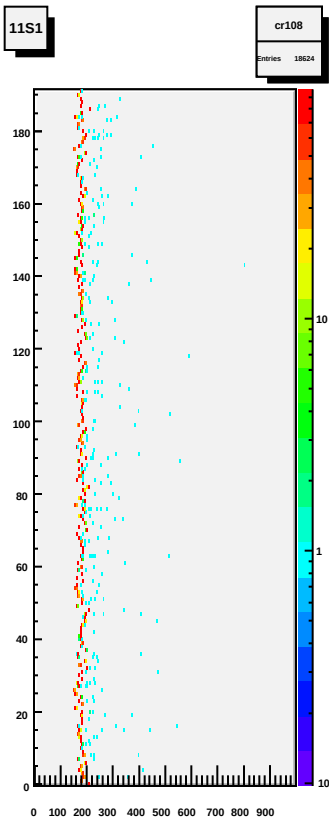

8S1
cr96
Entries 18624
8S2
cr97
Entries 18624
8S3
cr98
Entries 18624
8P1
cr99
Entries 18624
9S1
cr100
Entries 18624
9S2
cr101
Entries 18624
9S3
cr102
Entries 18624
9P1
cr103
Entries 18624
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

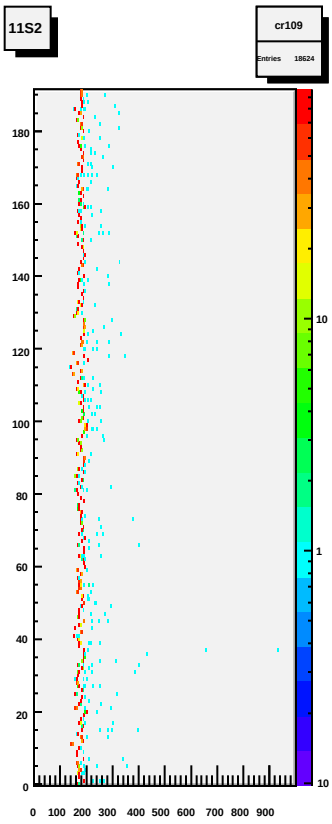

10S1
cr104
Entries 18624

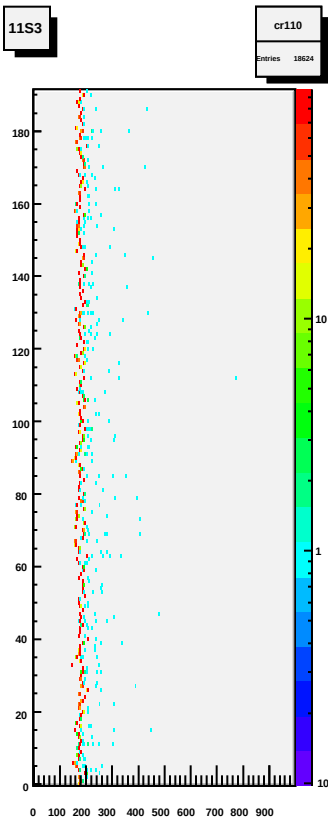

10S2
cr105
Entries 18624

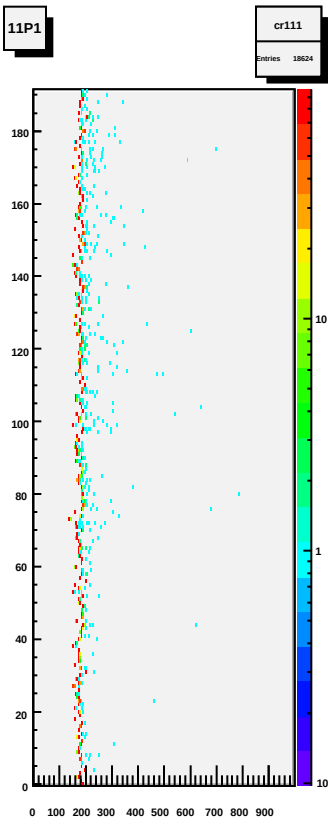

10S3
cr106
Entries 18624

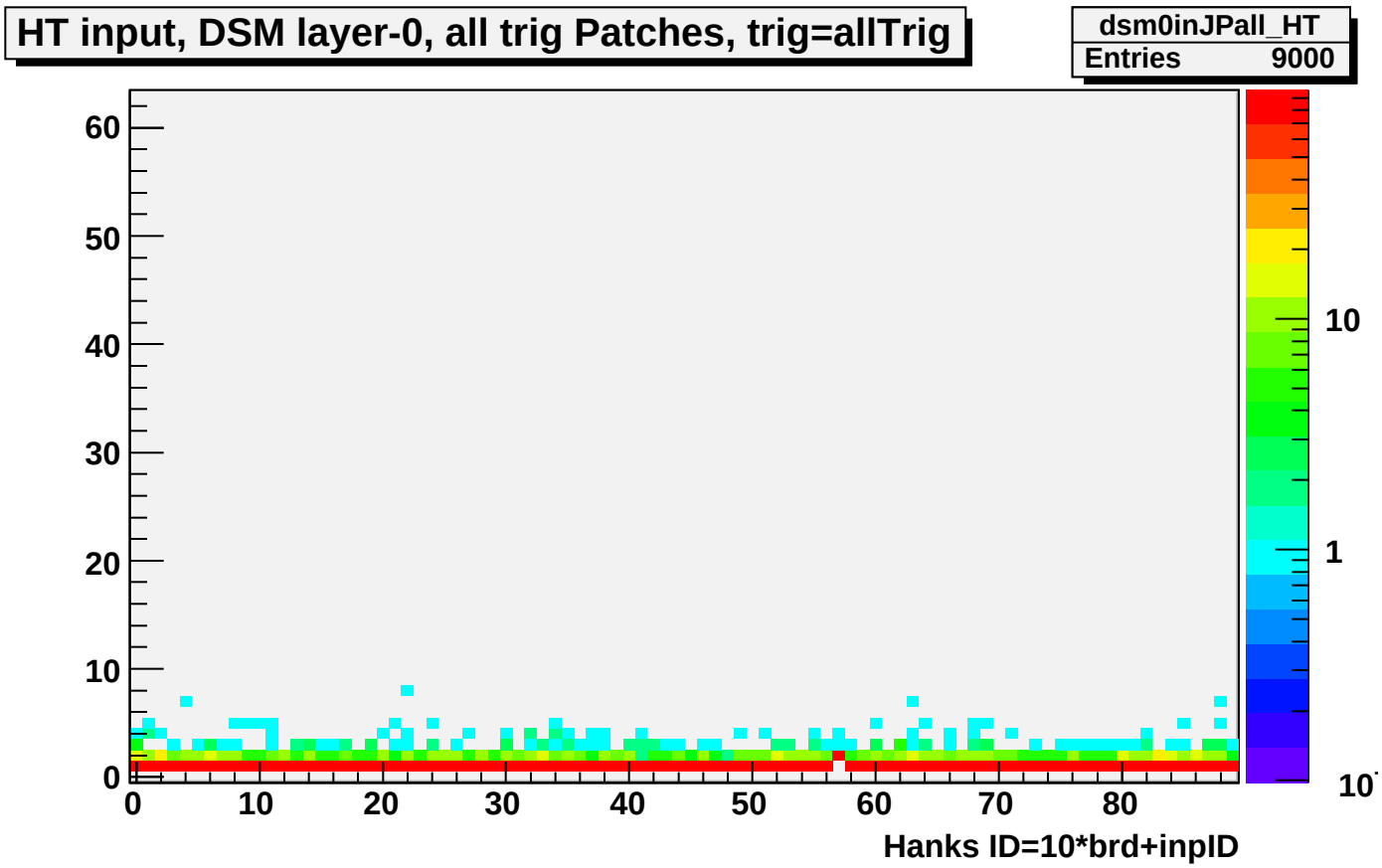

10P1
cr107
Entries 18624

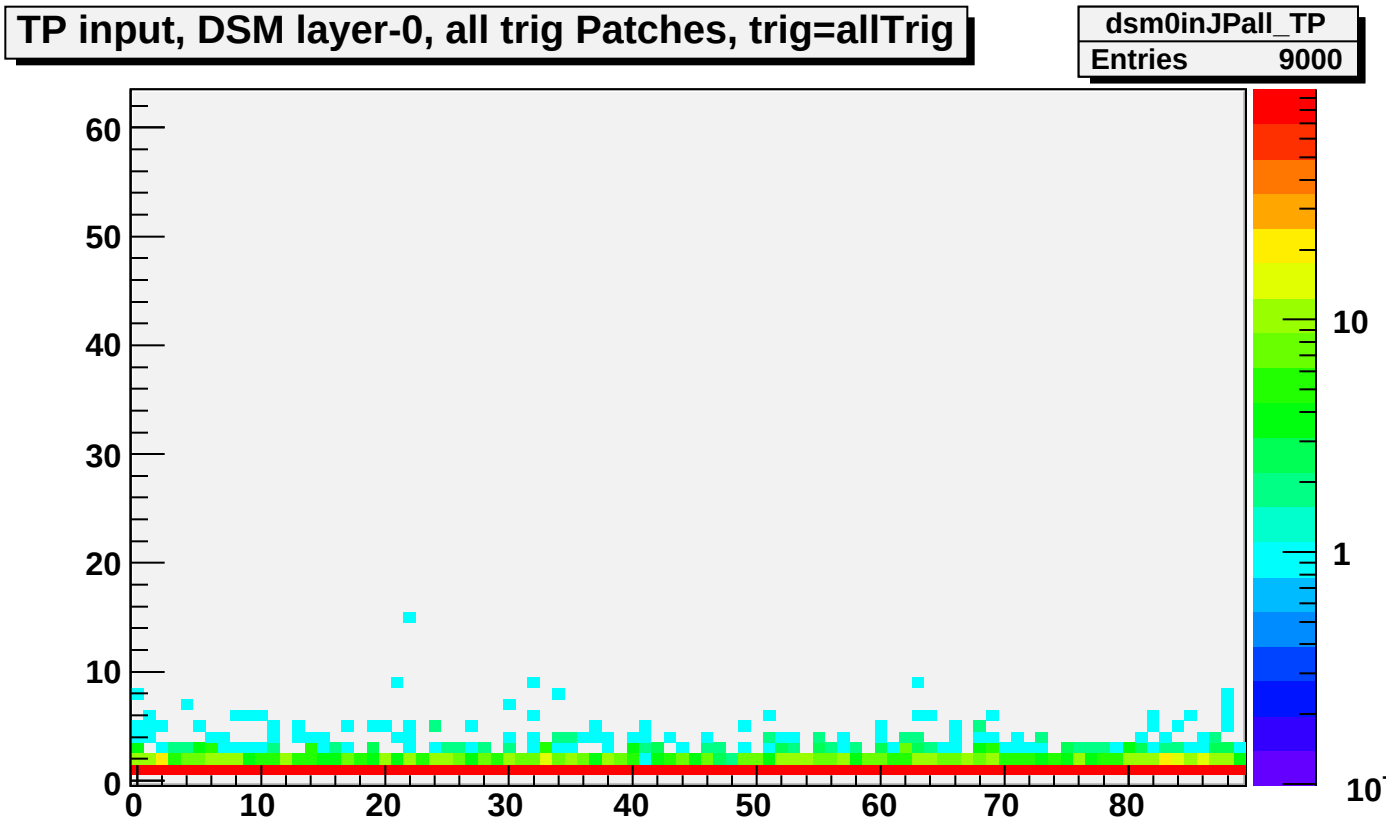

11S1
cr108
Entries 18624

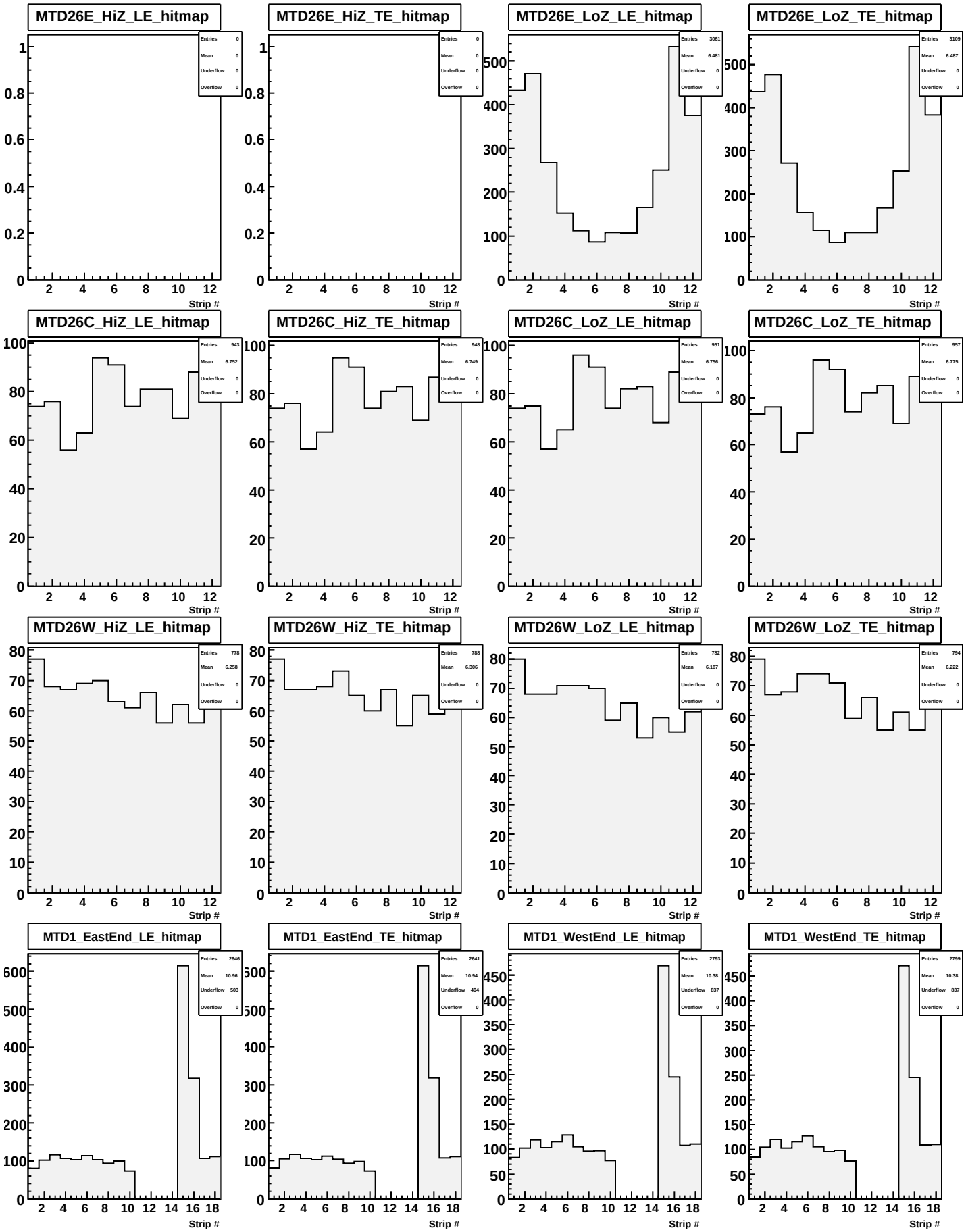

11S2
cr109
Entries 18624

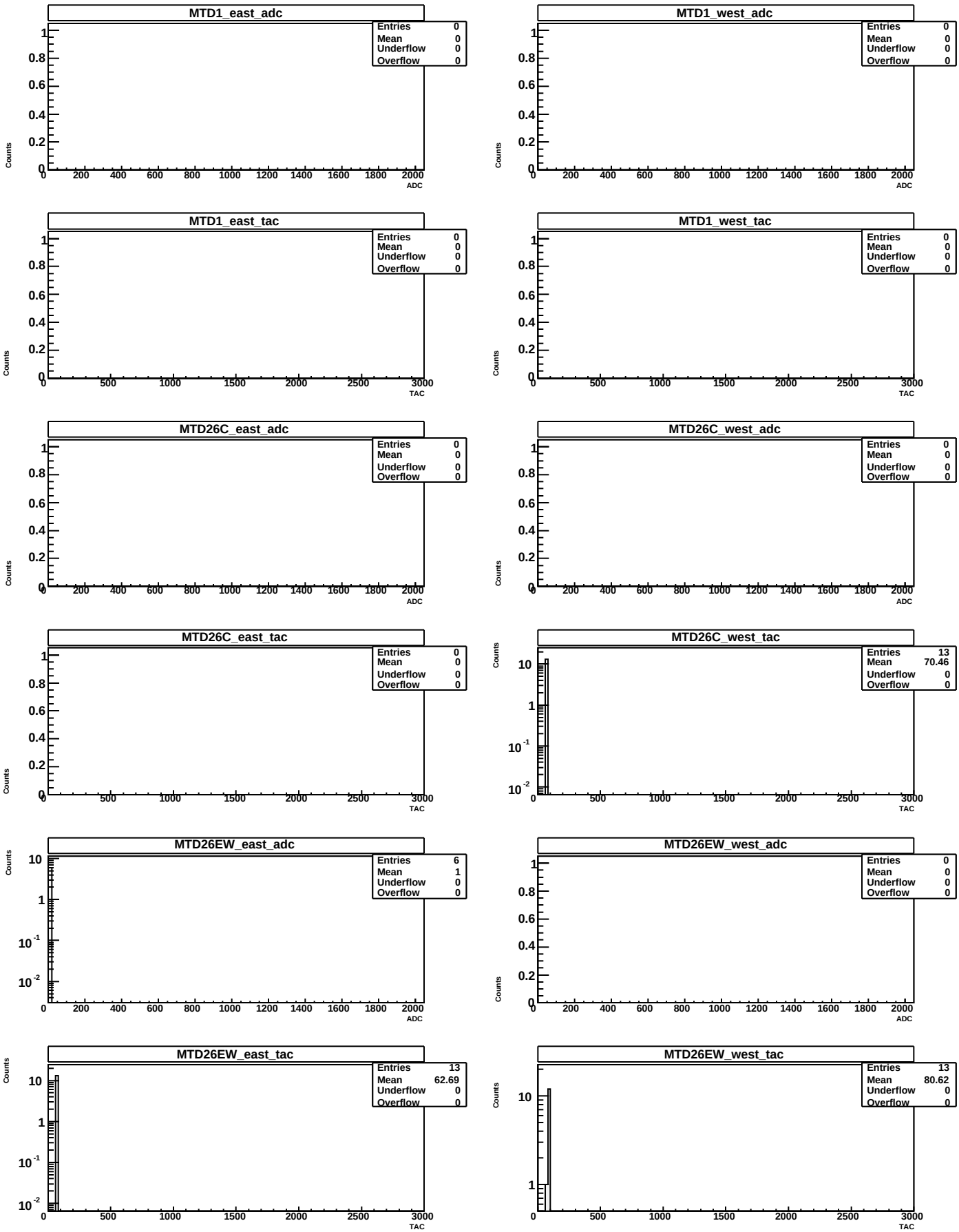

11S3
cr110
Entries 18624

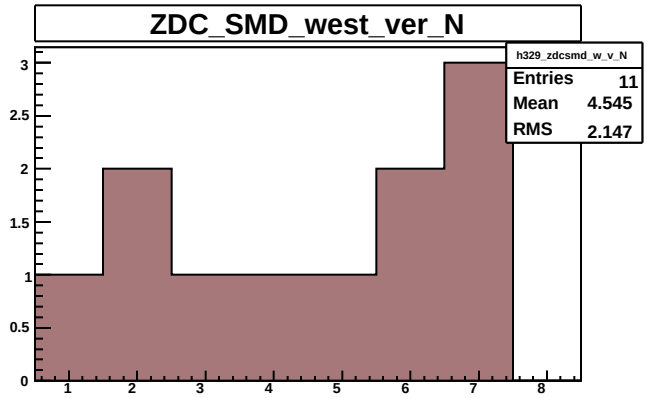

11P1
cr111
Entries 18624

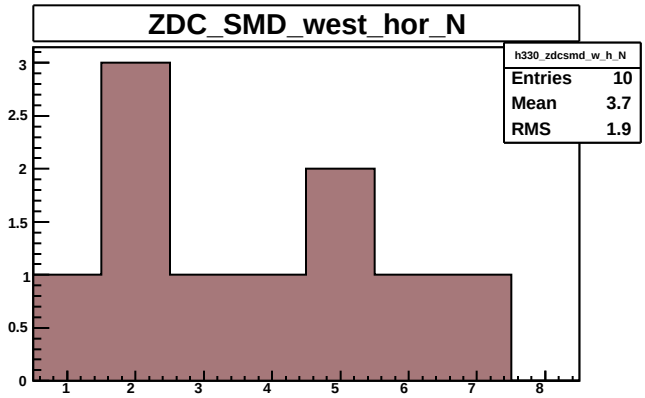

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 9000
Hanks ID=10*brd+inpID

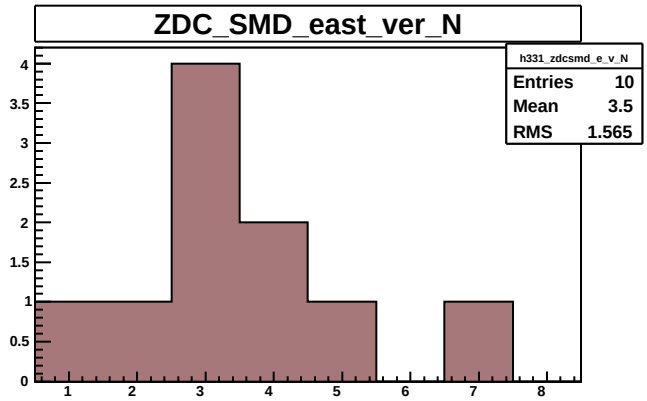

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 9000

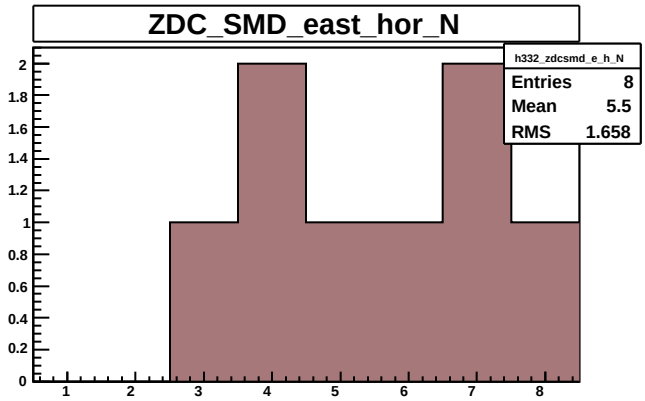

MTD26E_HiZ_LE_hitmap
Entries 0
Mean 0
Underflow 0
Overflow 0
Strip #
MTD26E_HiZ_TE_hitmap
Entries 0
Mean 0
Underflow 0
Overflow 0
Strip #
MTD26E_LoZ_LE_hitmap
Entries 3061
Mean 6.481
Underflow 0
Overflow 0
Strip #
MTD26E_LoZ_TE_hitmap
Entries 3109
Mean 6.487
Underflow 0
Overflow 0
Strip #
MTD26C_HiZ_LE_hitmap
Entries 943
Mean 6.752
Underflow 0
Overflow 0
Strip #
MTD26C_HiZ_TE_hitmap
Entries 948
Mean 6.749
Underflow 0
Overflow 0
Strip #
MTD26C_LoZ_LE_hitmap
Entries 951
Mean 6.756
Underflow 0
Overflow 0
Strip #
MTD26C_LoZ_TE_hitmap
Entries 957
Mean 6.775
Underflow 0
Overflow 0
Strip #
MTD26W_HiZ_LE_hitmap
Entries 778
Mean 6.258
Underflow 0
Overflow 0
Strip #
MTD26W_HiZ_TE_hitmap
Entries 788
Mean 6.306
Underflow 0
Overflow 0
Strip #
MTD26W_LoZ_LE_hitmap
Entries 782
Mean 6.187
Underflow 0
Overflow 0
Strip #
MTD26W_LoZ_TE_hitmap
Entries 794
Mean 6.222
Underflow 0
Overflow 0
Strip #
MTD1_EastEnd_LE_hitmap
Entries 2646
Mean 10.96
Underflow 503
Overflow 0
Strip #
MTD1_EastEnd_TE_hitmap
Entries 2641
Mean 10.94
Underflow 494
Overflow 0
Strip #
MTD1_WestEnd_LE_hitmap
Entries 2793
Mean 10.38
Underflow 837
Overflow 0
Strip #
MTD1_WestEnd_TE_hitmap
Entries 2799
Mean 10.38
Underflow 837
Overflow 0
Strip #

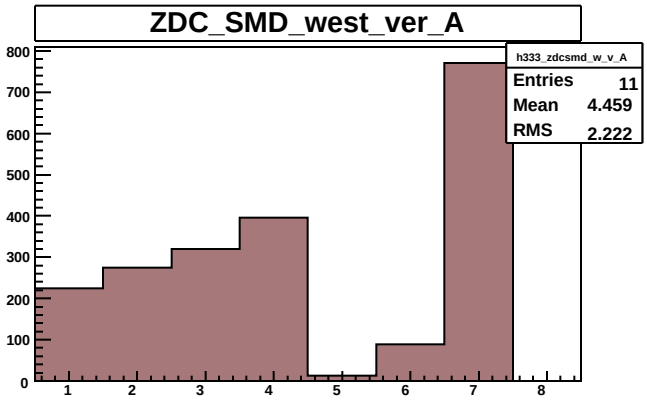

MTD1_east_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD1_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD1_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD1_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26C_east_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26C_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26C_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26C_west_tac
Entries 13
Mean 70.46
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_east_adc
Entries 6
Mean 1
Underflow 0
Overflow 0
Counts
ADC
MTD26EW_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26EW_east_tac
Entries 13
Mean 62.69
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_west_tac
Entries 13
Mean 80.62
Underflow 0
Overflow 0
Counts
TAC

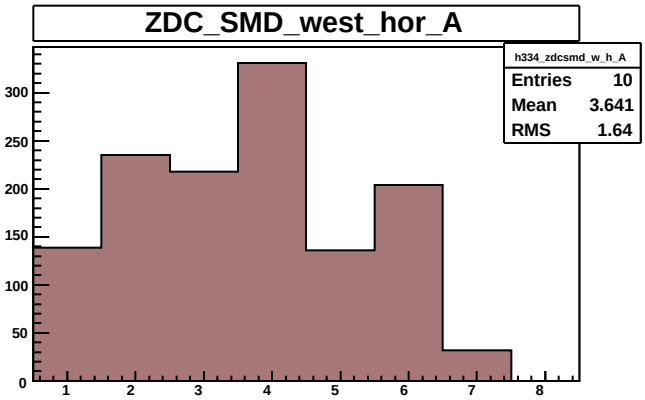

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 11
Mean 4.545
RMS 2.147

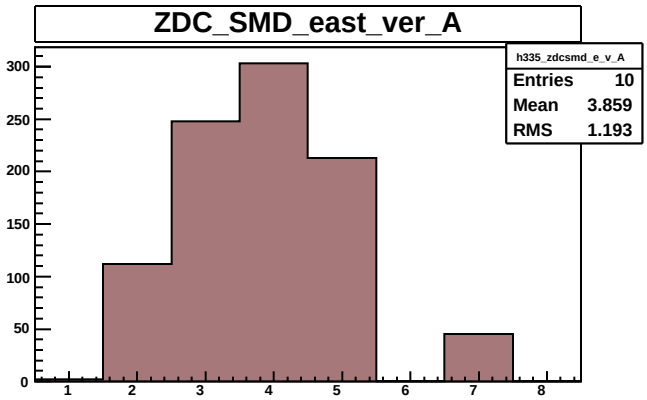

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 10
Mean 3.7
RMS 1.9

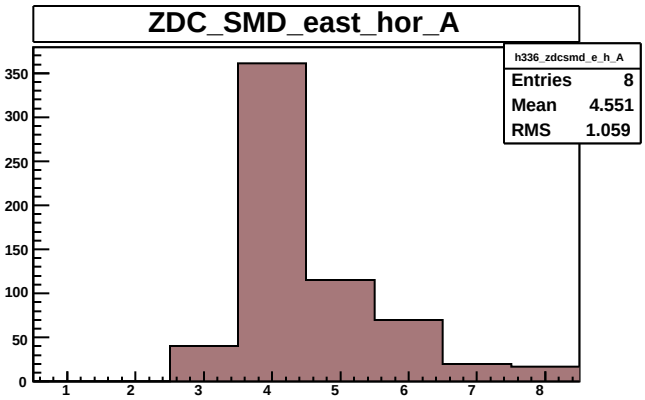

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 10
Mean 3.5
RMS 1.565

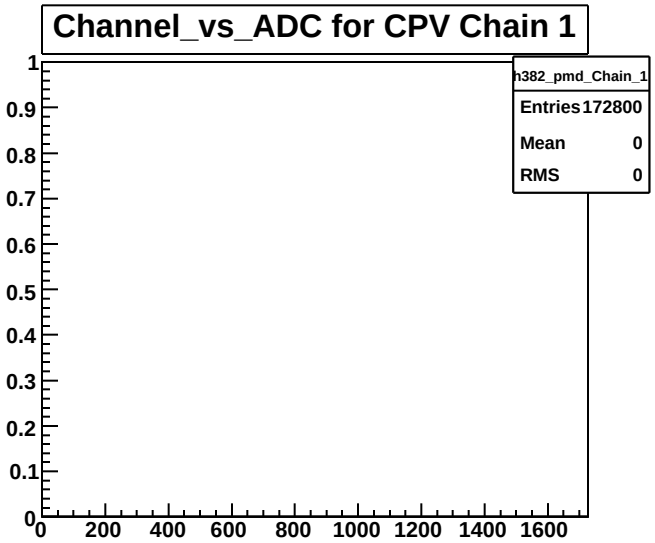

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 8
Mean 5.5
RMS 1.658

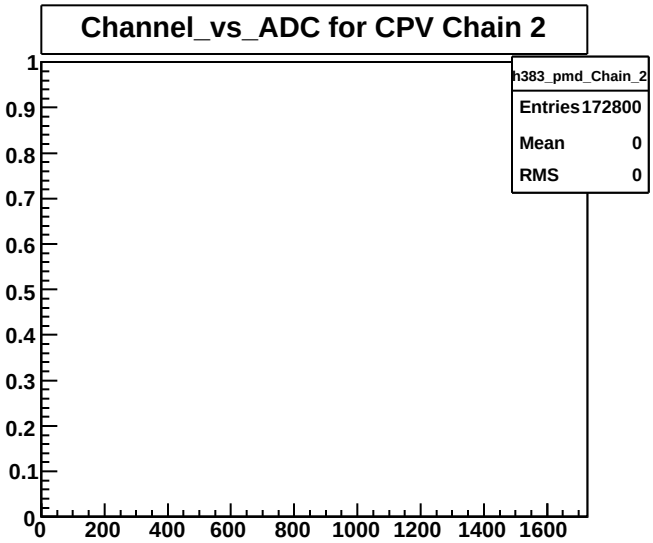

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 11
Mean 4.459
RMS 2.222

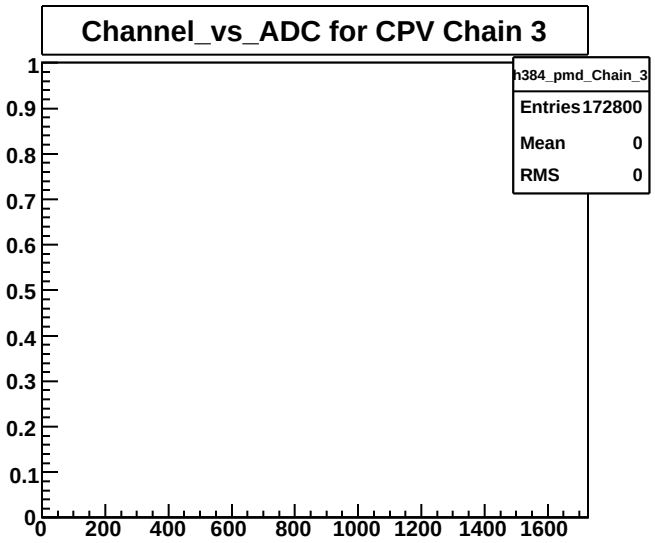

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 10
Mean 3.641
RMS 1.64

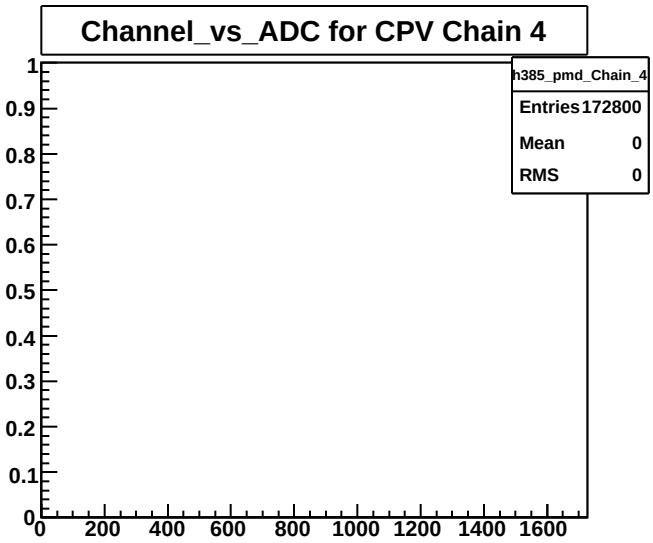

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 10
Mean 3.859
RMS 1.193

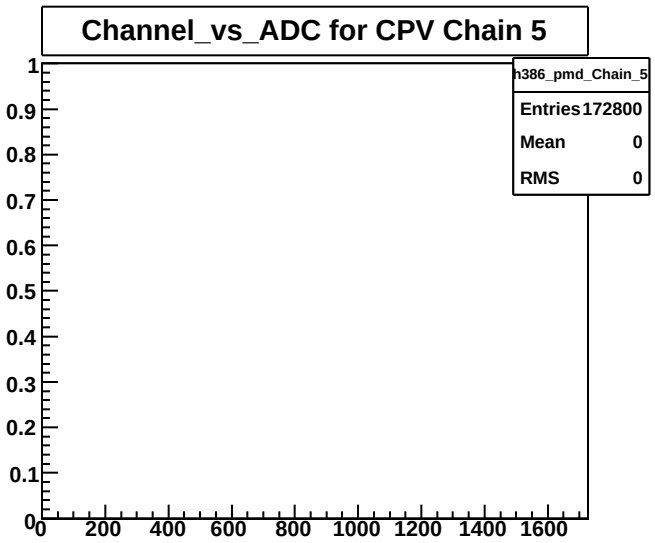

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 8
Mean 4.551
RMS 1.059

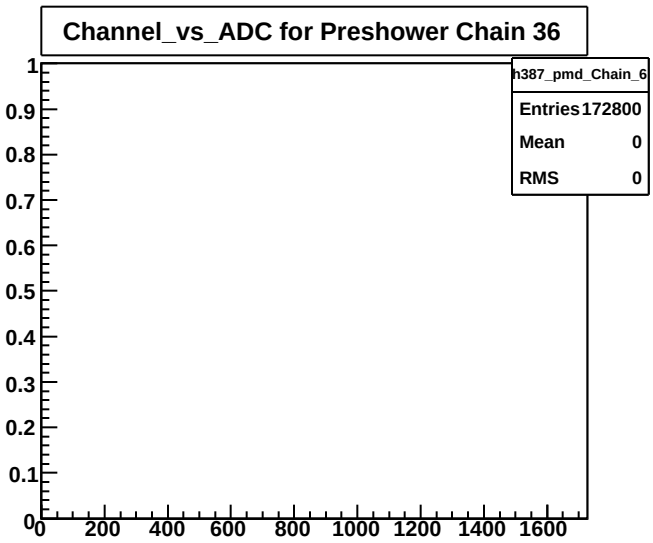

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 172800
Mean 0
RMS 0

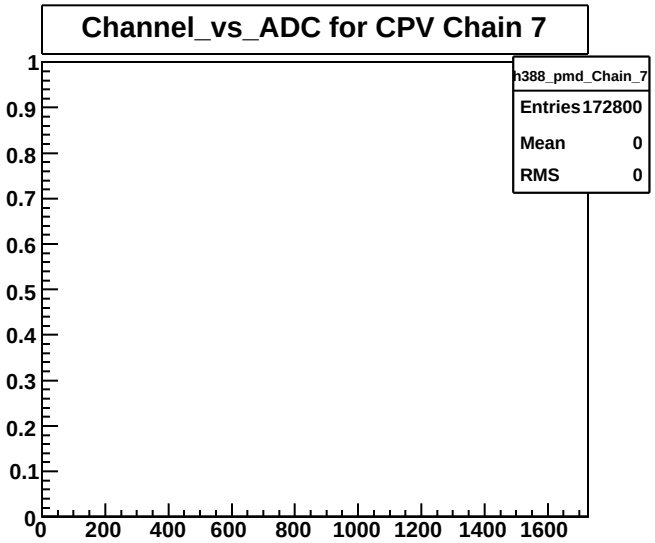

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 172800
Mean 0
RMS 0

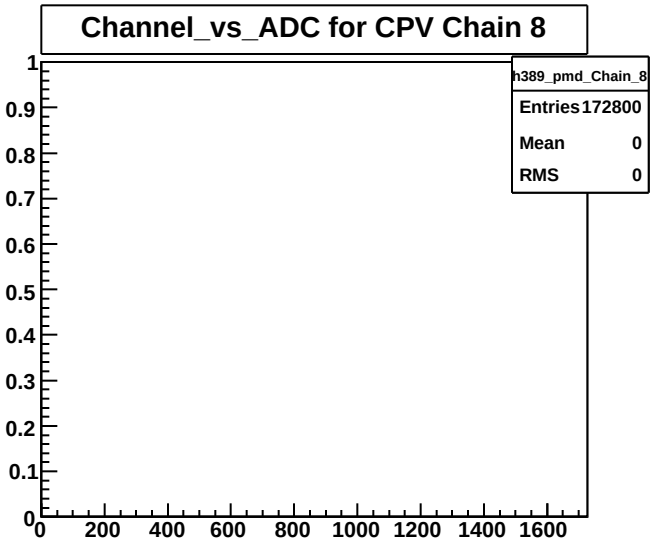

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 172800
Mean 0
RMS 0

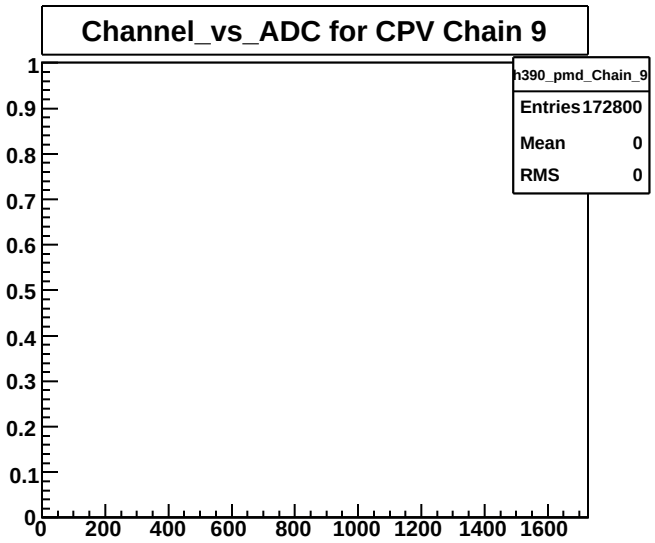

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 172800
Mean 0
RMS 0

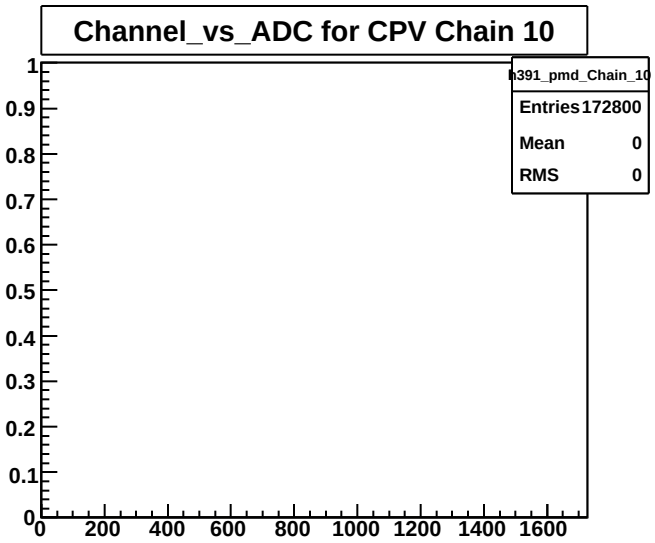

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 172800
Mean 0
RMS 0

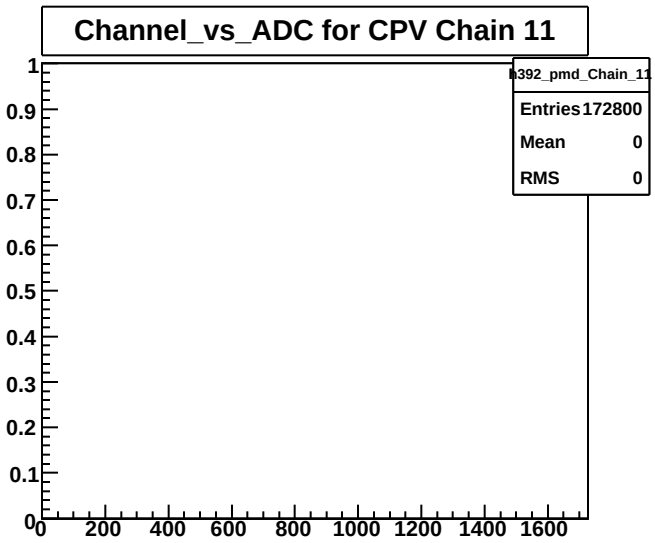

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 172800
Mean 0
RMS 0

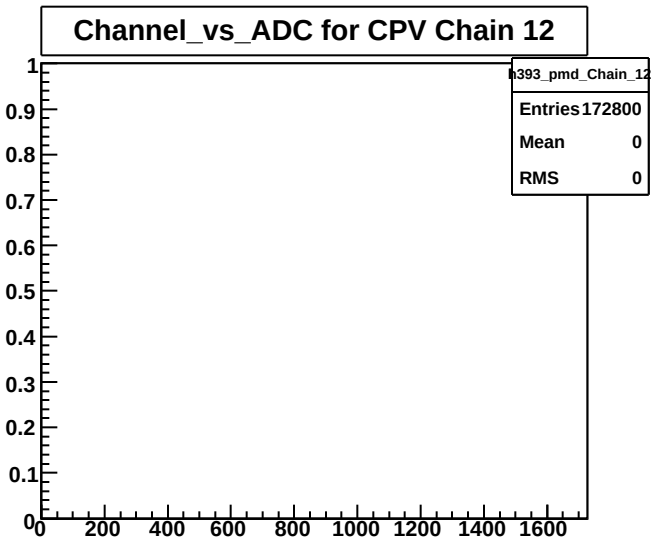

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 172800
Mean 0
RMS 0

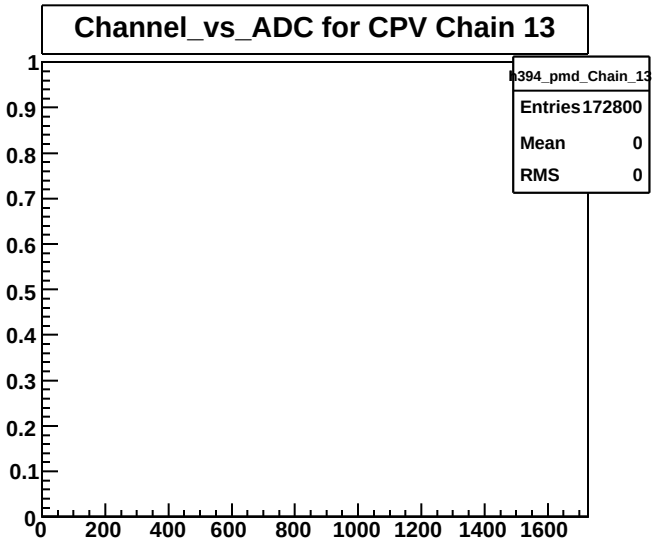

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 172800
Mean 0
RMS 0

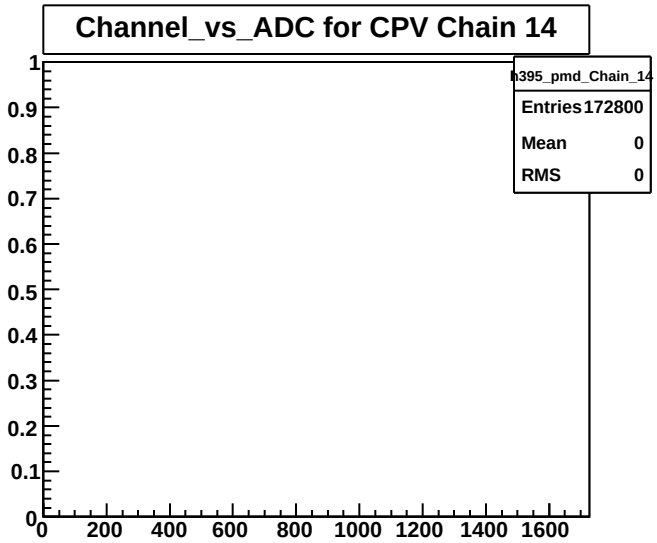

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 172800
Mean 0
RMS 0

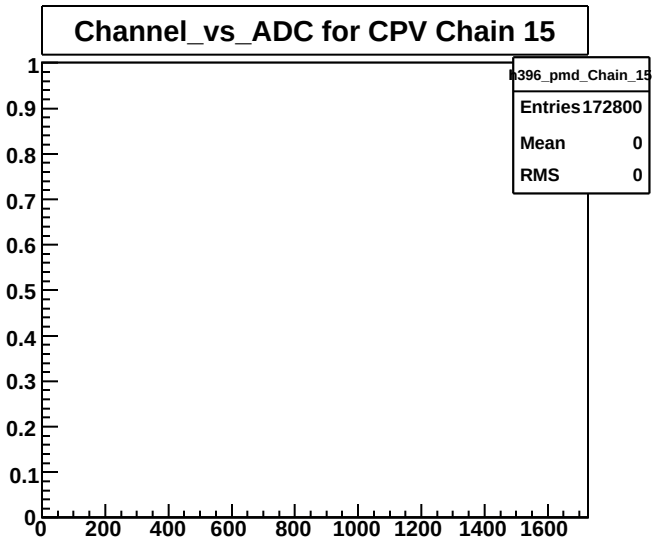

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 172800
Mean 0
RMS 0

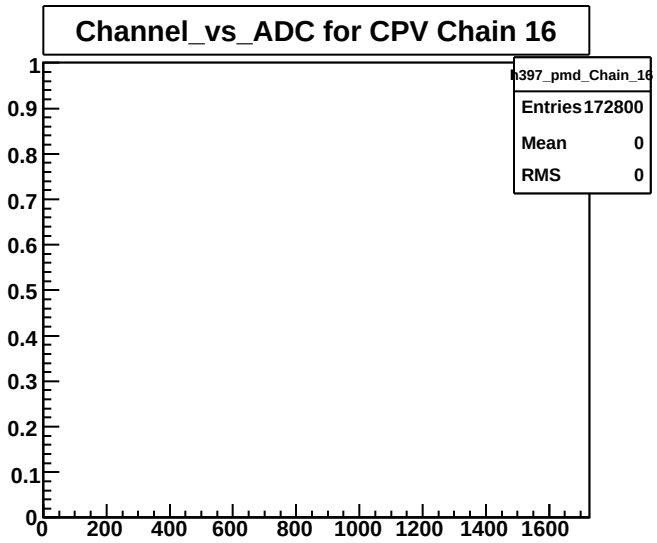

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 172800
Mean 0
RMS 0

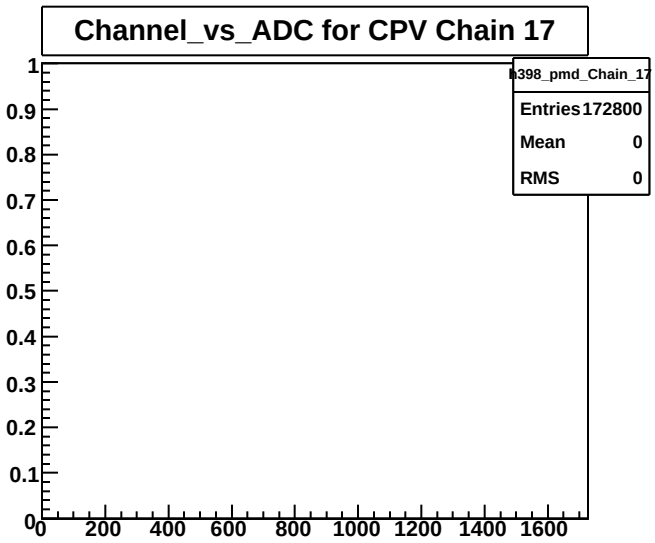

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 172800
Mean 0
RMS 0

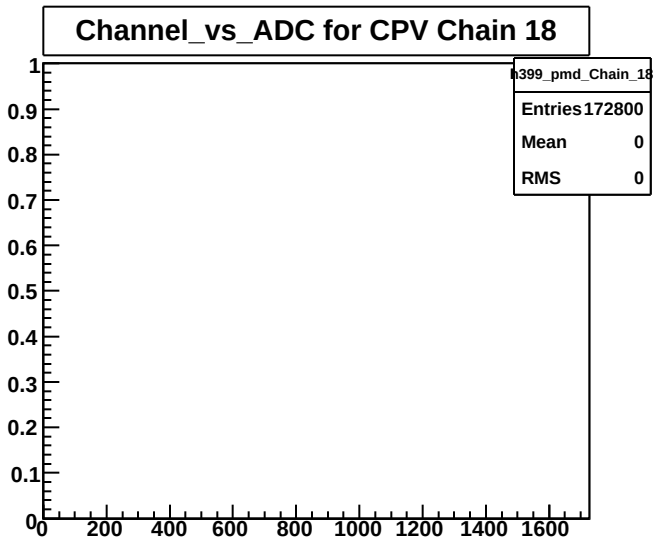

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 172800
Mean 0
RMS 0

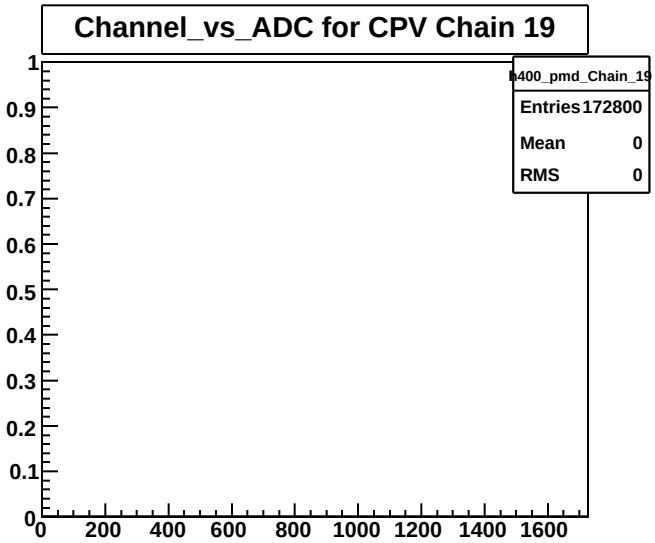

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 172800
Mean 0
RMS 0

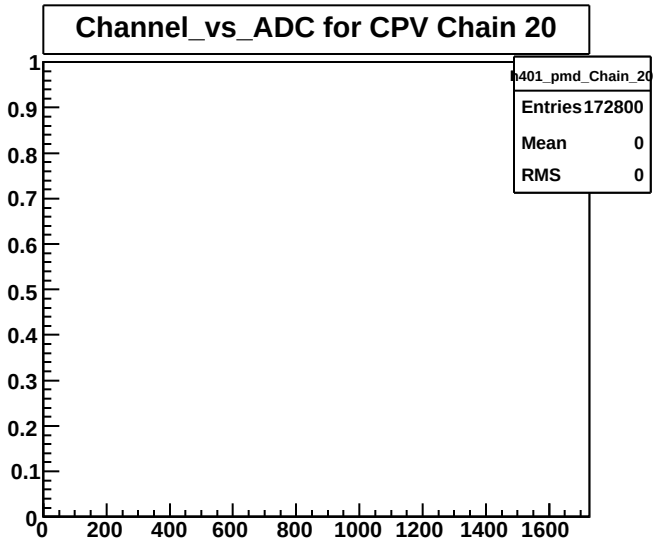

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 172800
Mean 0
RMS 0

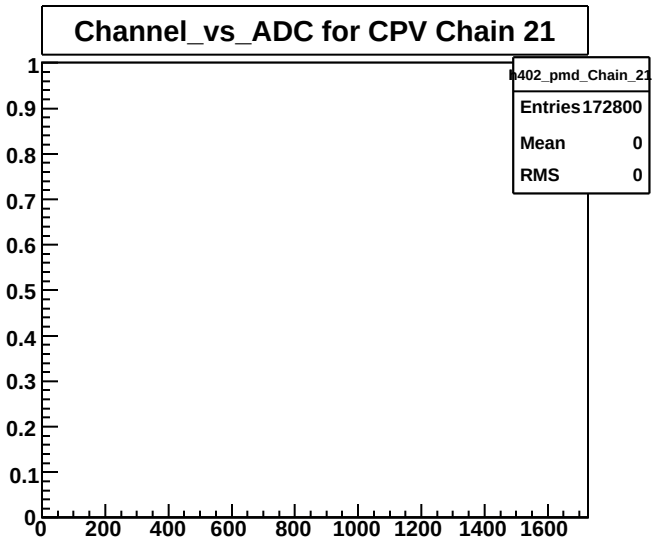

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 172800
Mean 0
RMS 0

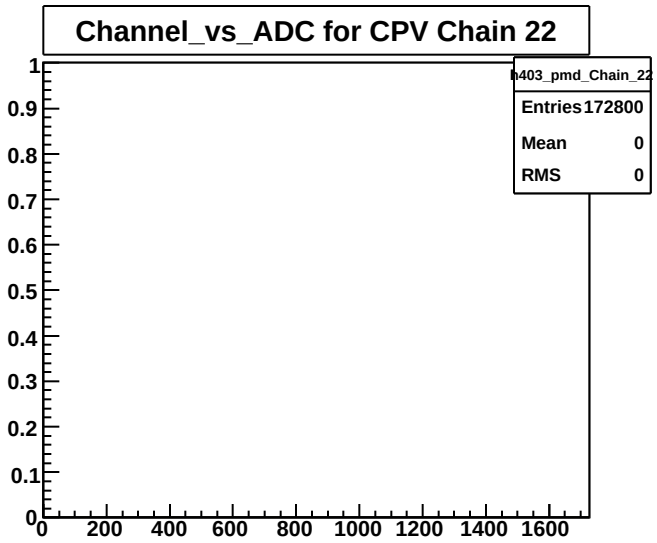

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 172800
Mean 0
RMS 0

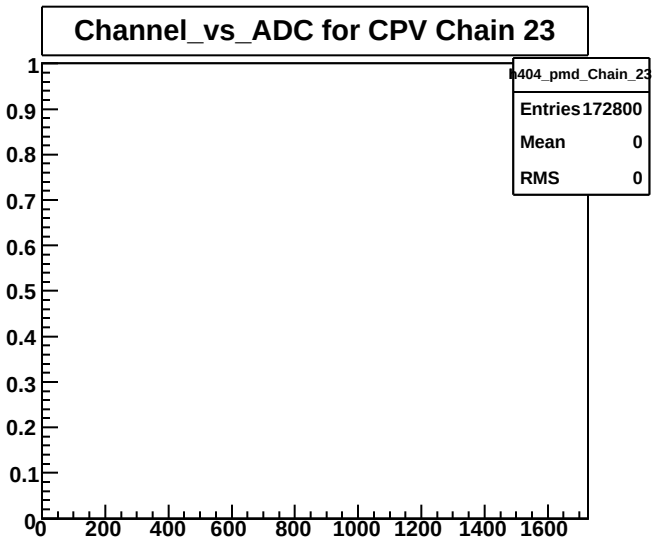

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 172800
Mean 0
RMS 0

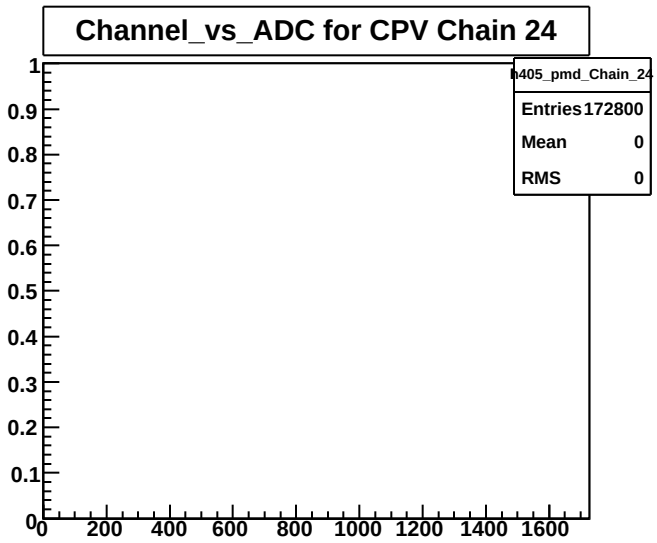

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 172800
Mean 0
RMS 0

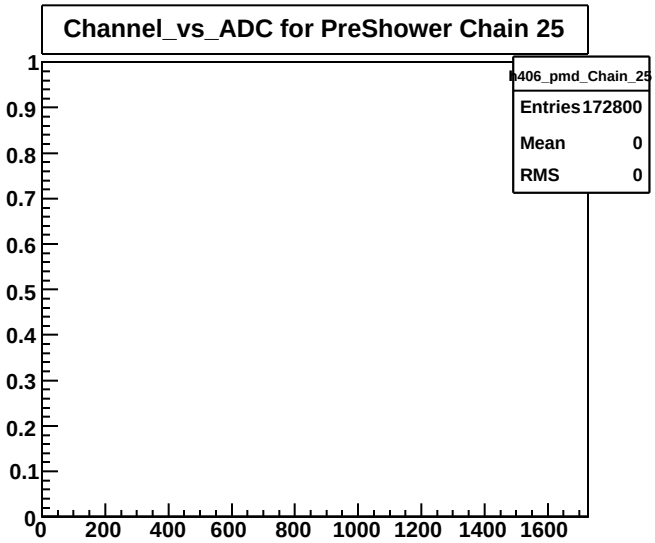

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 172800
Mean 0
RMS 0

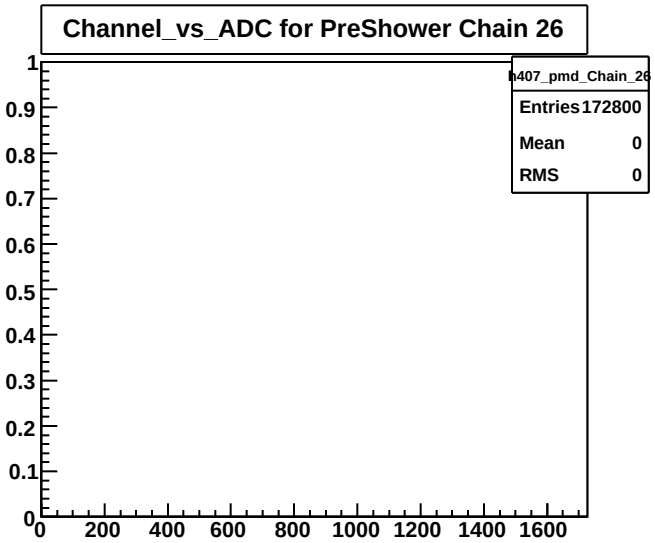

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 172800
Mean 0
RMS 0

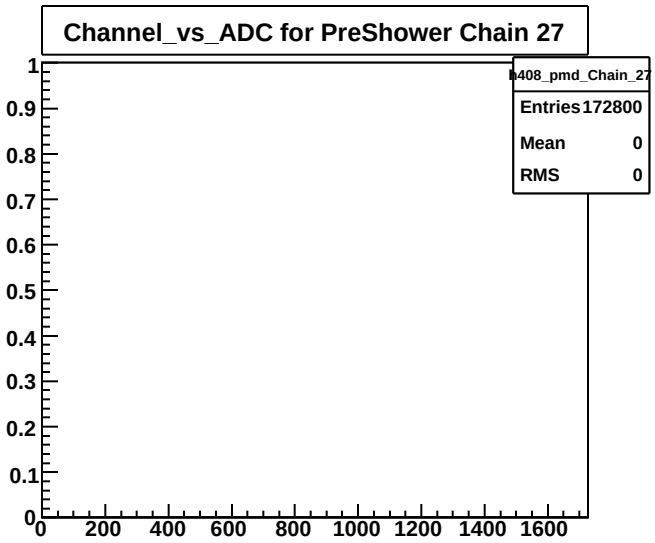

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 172800
Mean 0
RMS 0

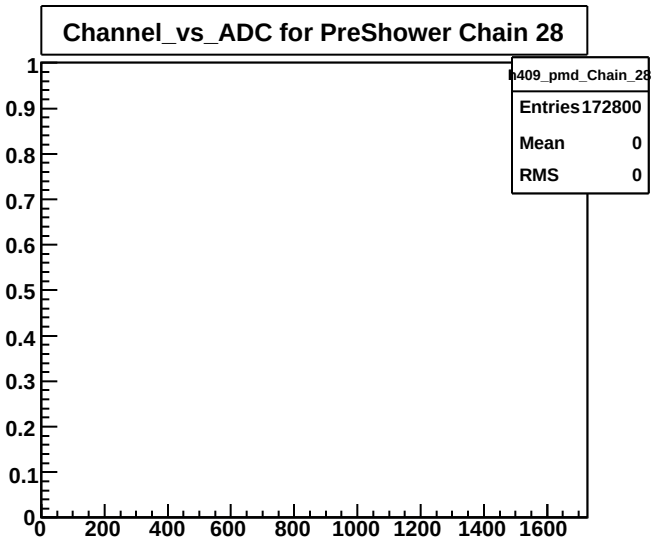

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 172800
Mean 0
RMS 0

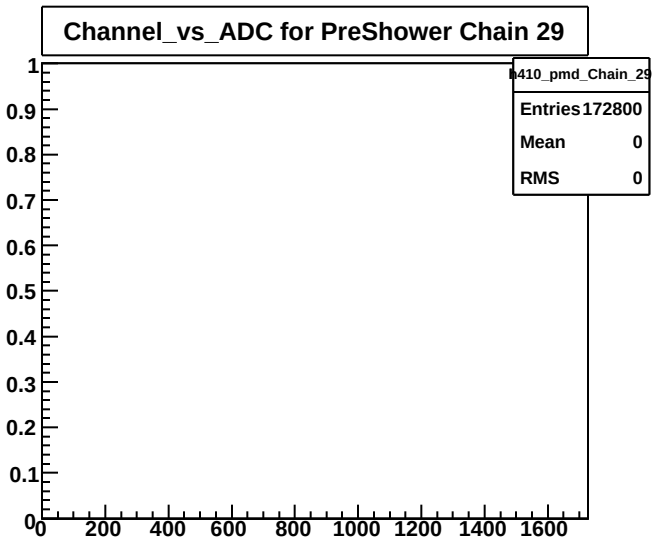

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 172800
Mean 0
RMS 0

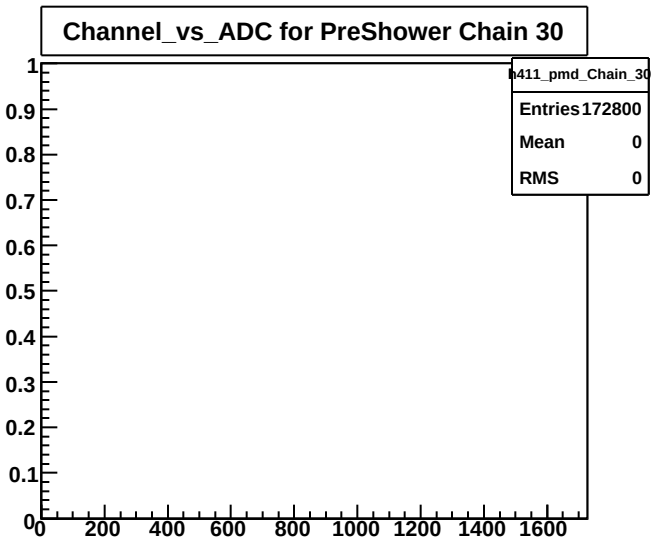

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 172800
Mean 0
RMS 0

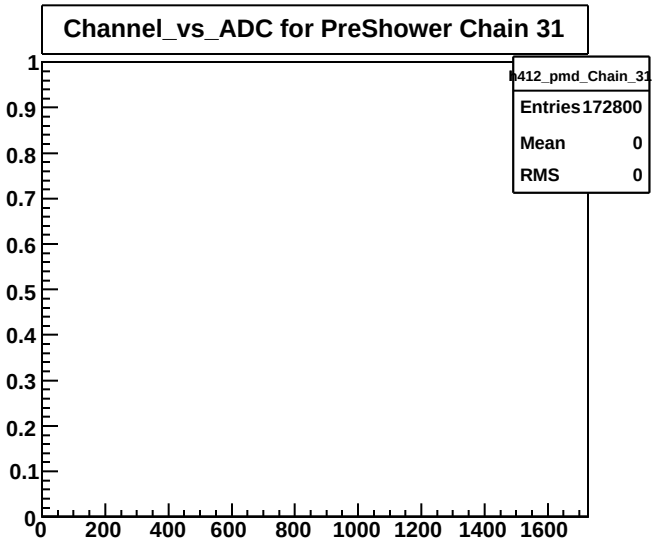

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 172800
Mean 0
RMS 0

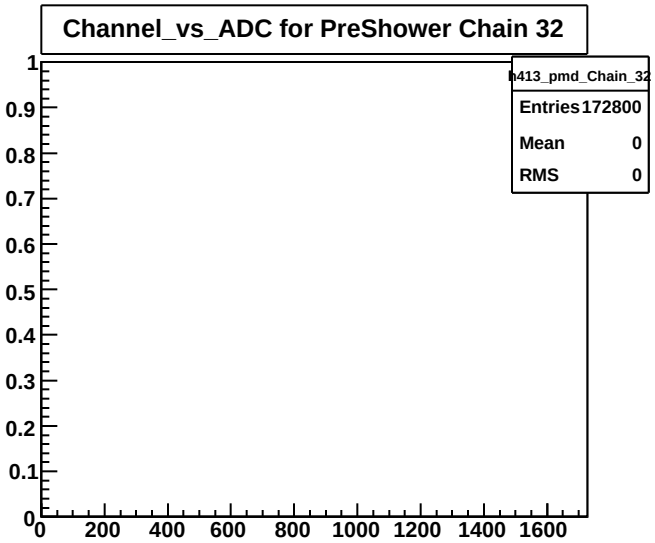

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 172800
Mean 0
RMS 0

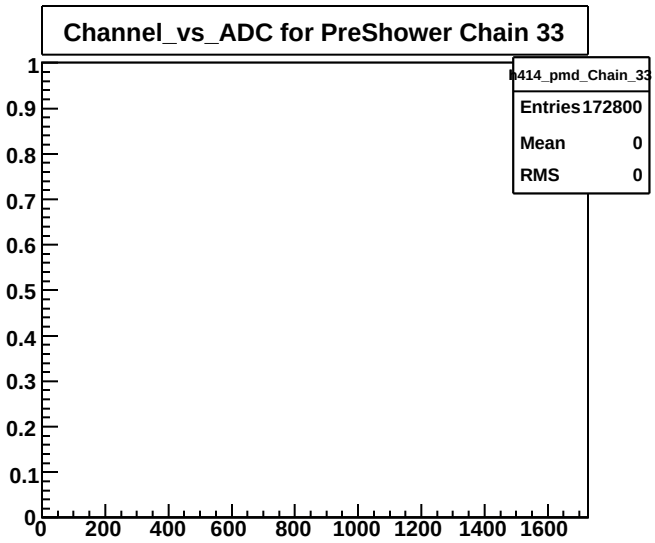

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 172800
Mean 0
RMS 0

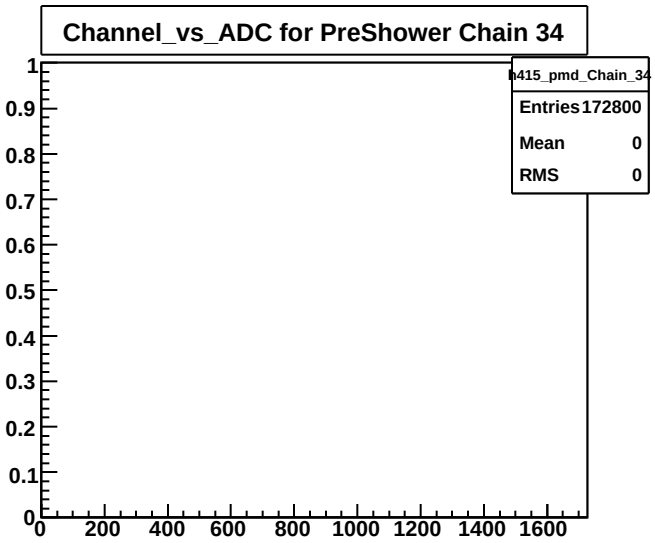

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 172800
Mean 0
RMS 0

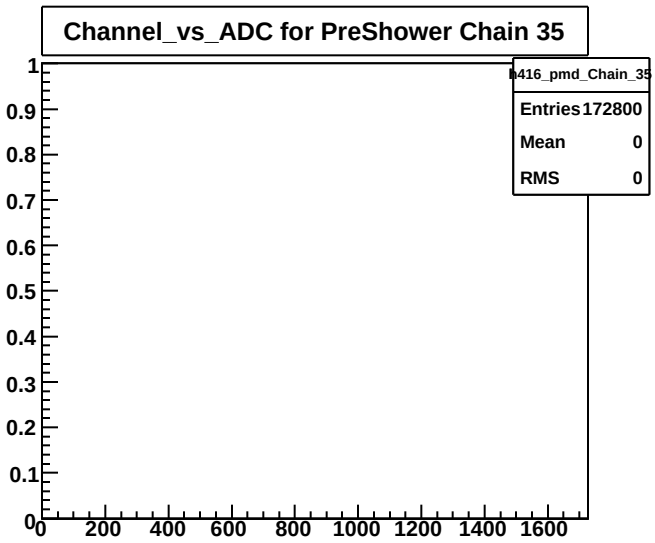

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 172800
Mean 0
RMS 0

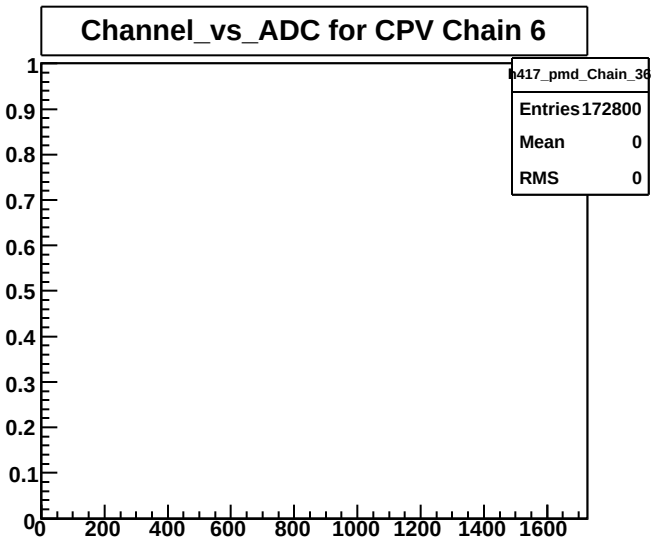

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 172800
Mean 0
RMS 0

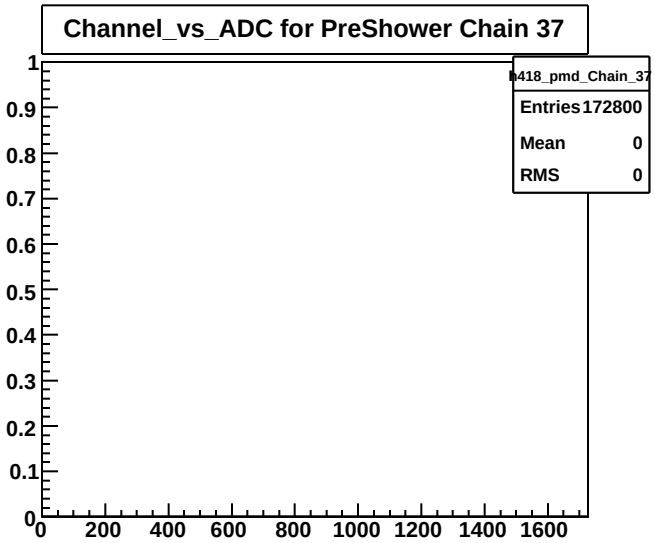

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 172800
Mean 0
RMS 0

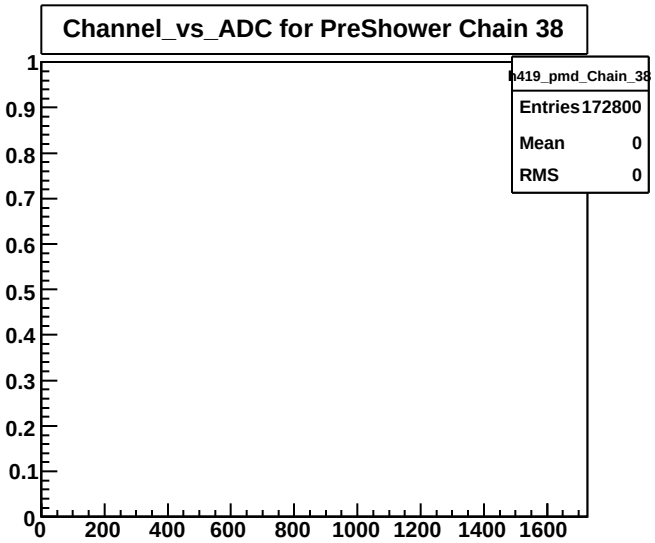

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 172800
Mean 0
RMS 0

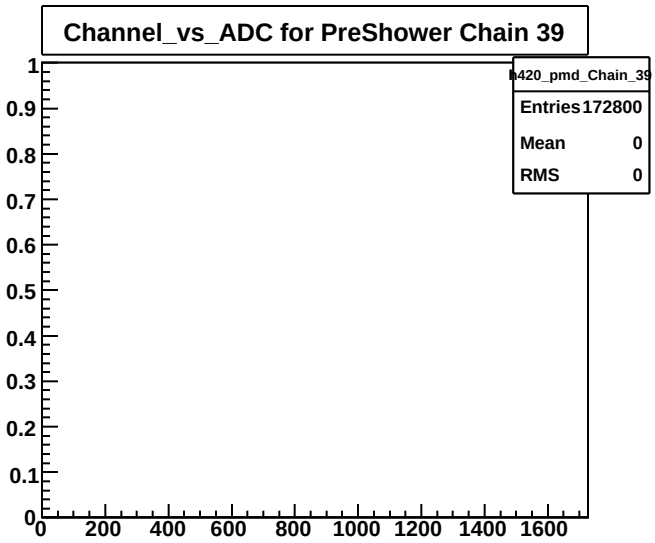

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 172800
Mean 0
RMS 0

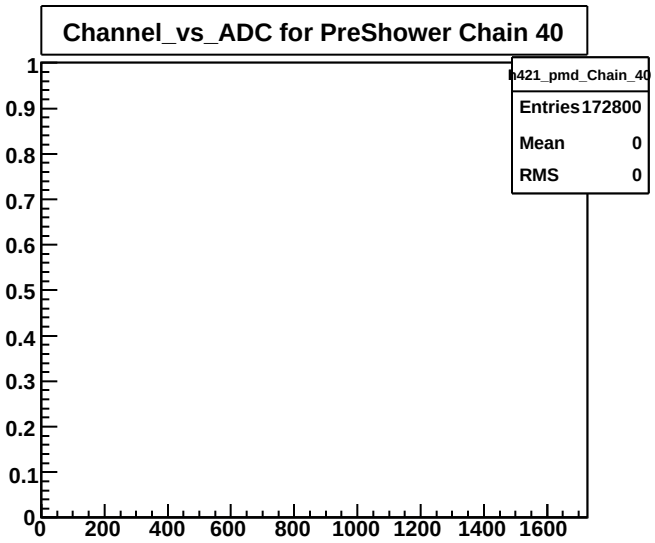

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 172800
Mean 0
RMS 0

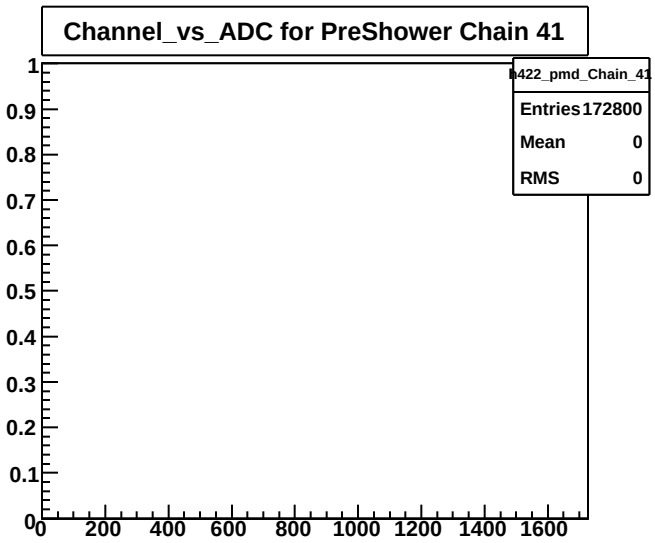

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 172800
Mean 0
RMS 0

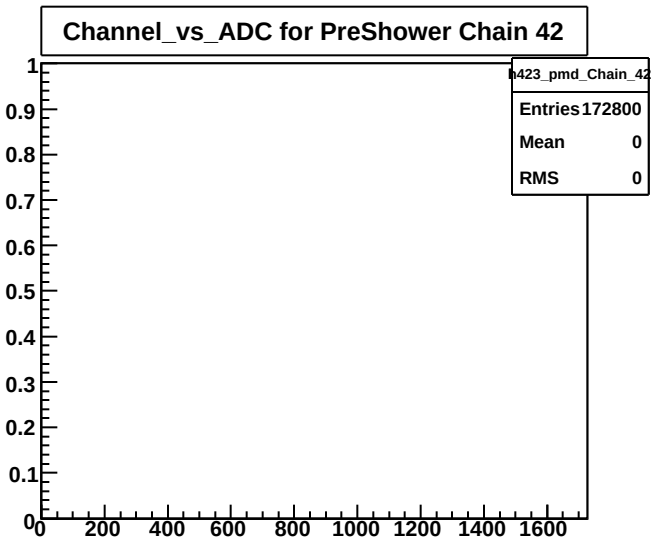

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 172800
Mean 0
RMS 0

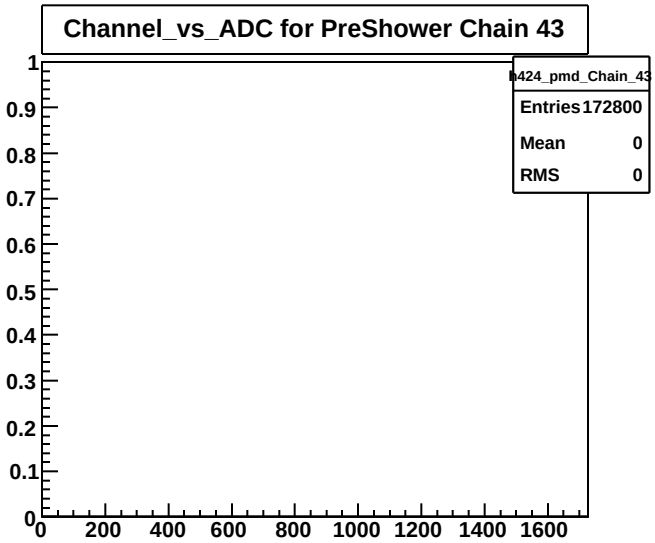

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 172800
Mean 0
RMS 0

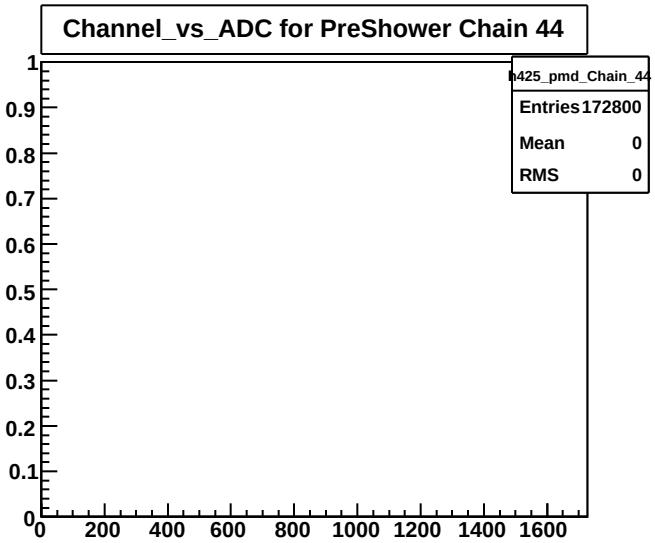

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 172800
Mean 0
RMS 0

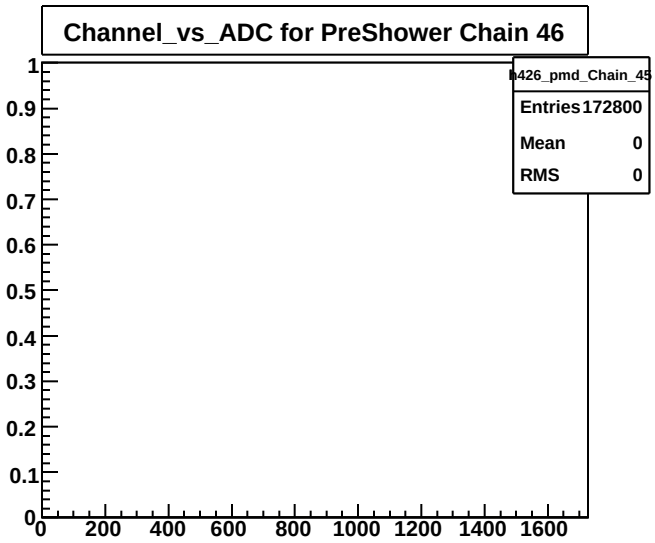

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 172800
Mean 0
RMS 0

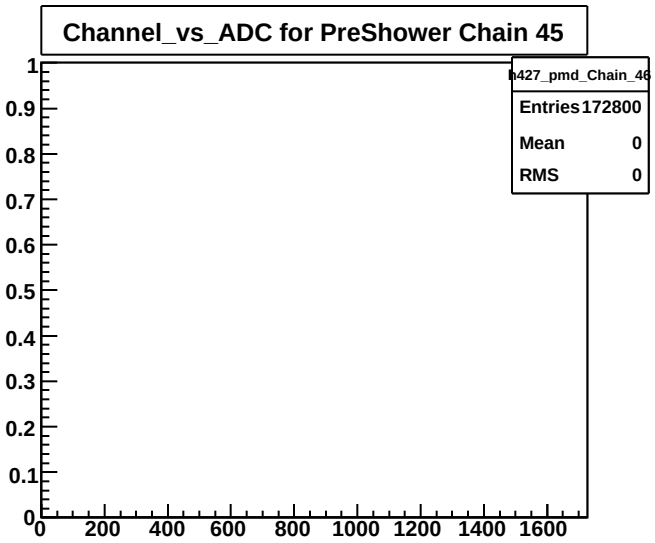

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 172800
Mean 0
RMS 0

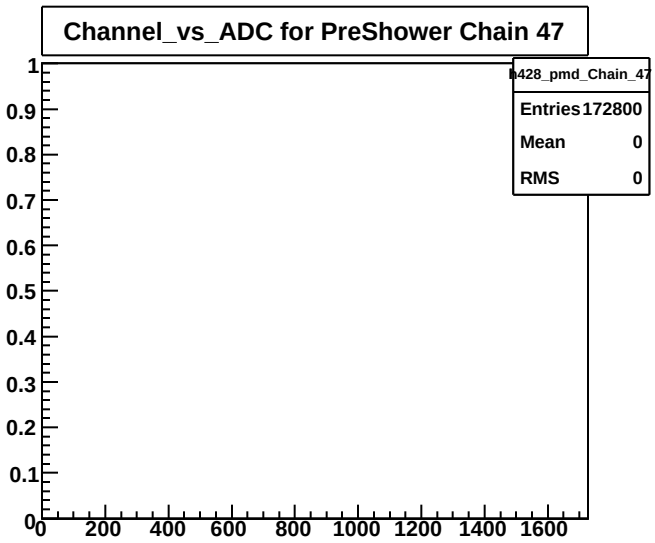

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 172800
Mean 0
RMS 0

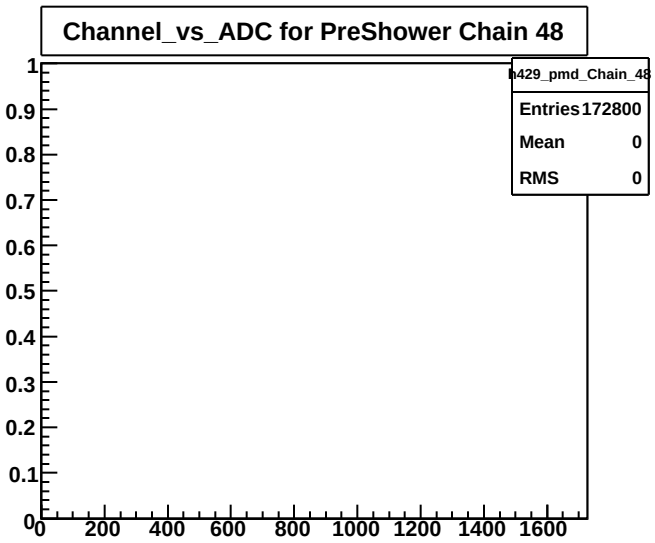

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 172800
Mean 0
RMS 0

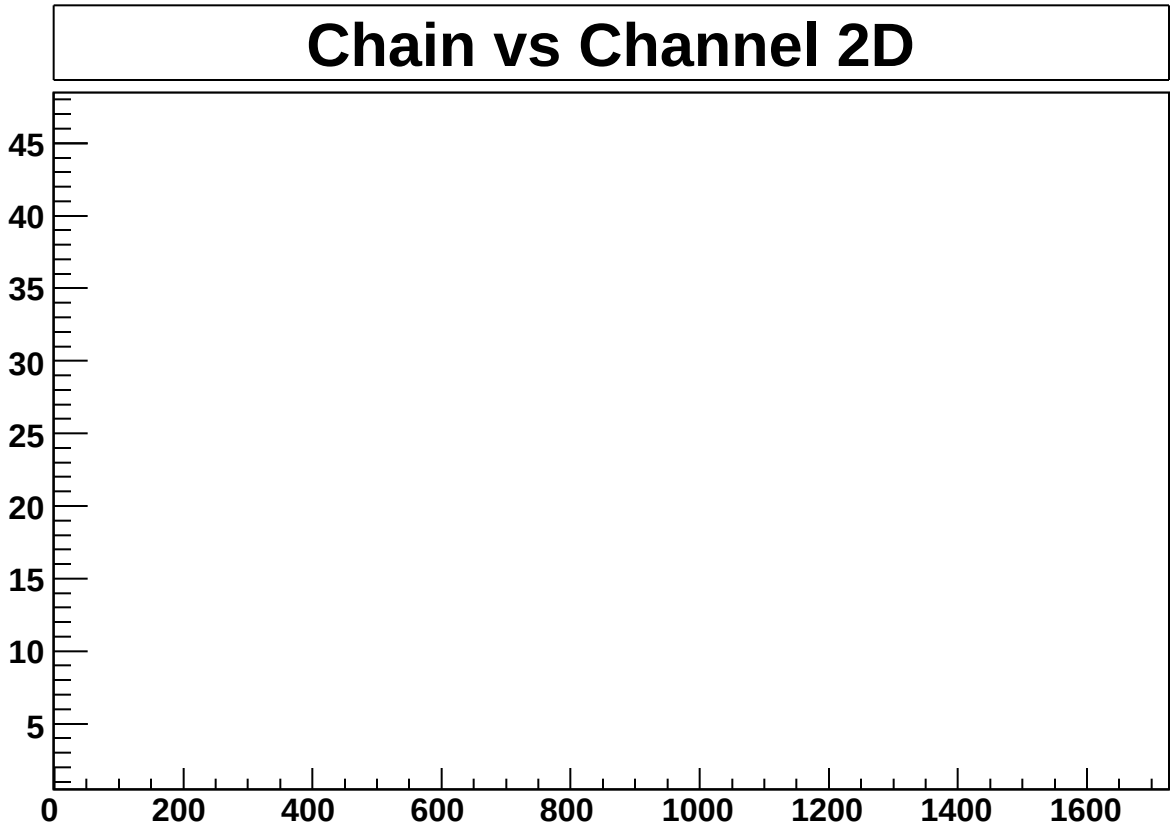

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 172800
Mean 0
RMS 0

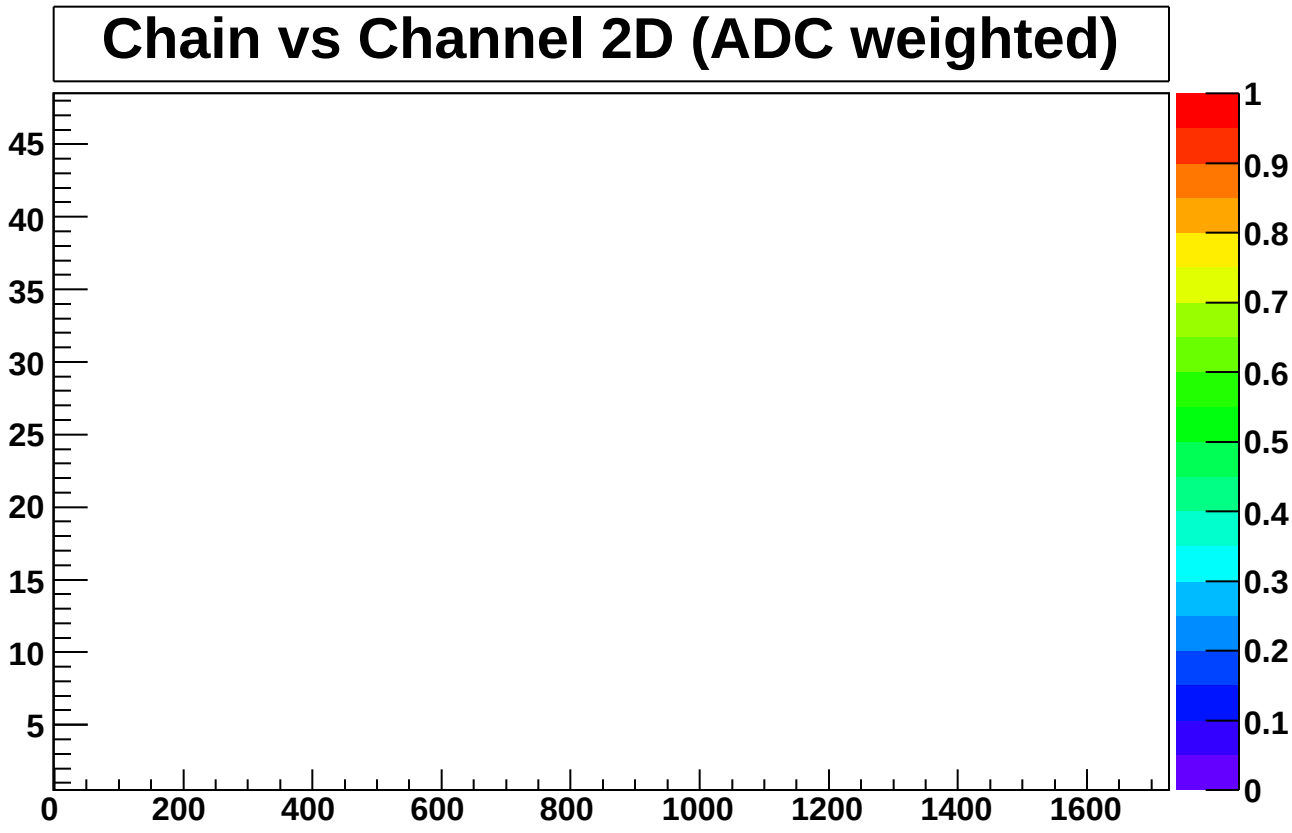

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 172800
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 172800
Mean 0
RMS 0

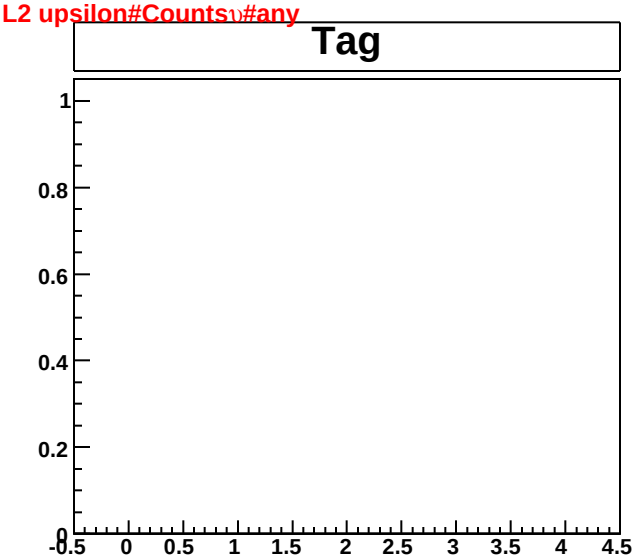

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 172800
Mean 0
RMS 0

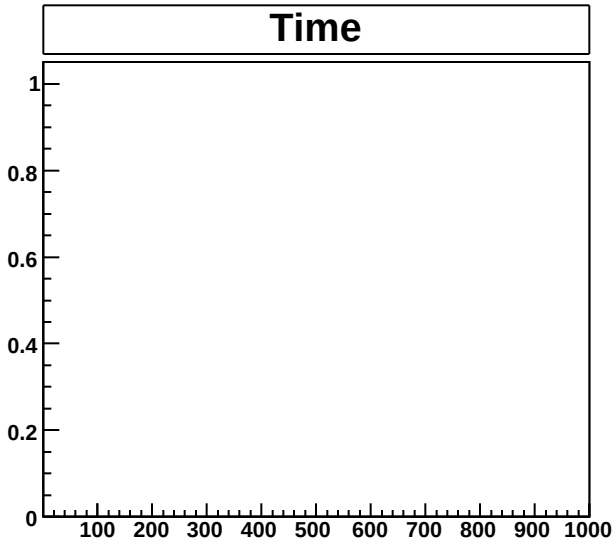

Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 172800
Mean 0
RMS 0

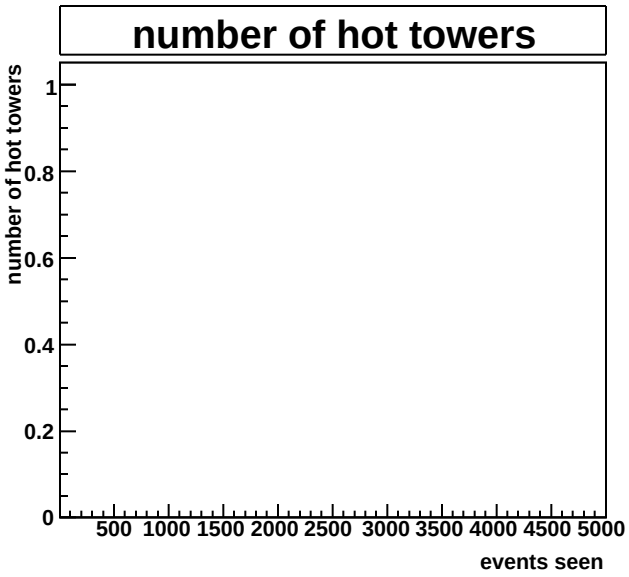

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

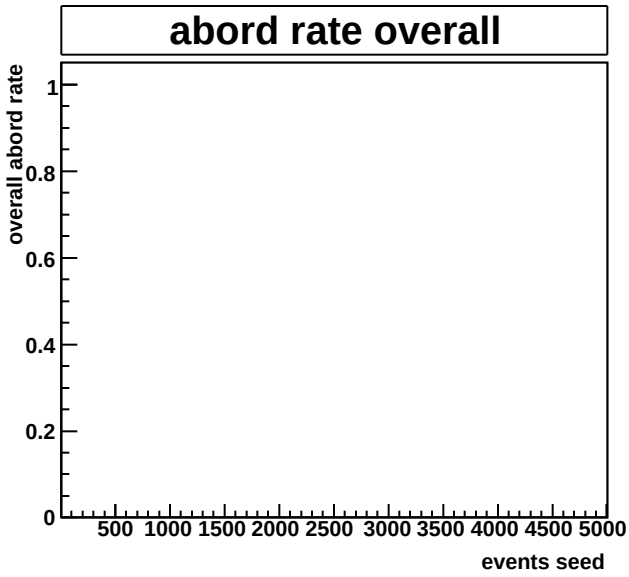

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

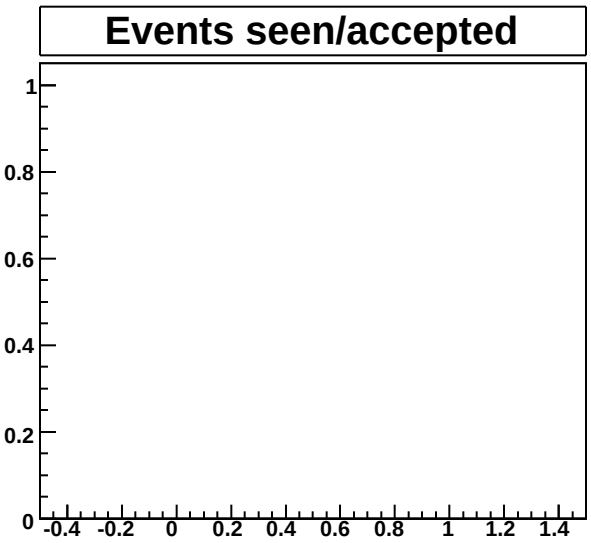
L2 upsilon#Countsυ#any

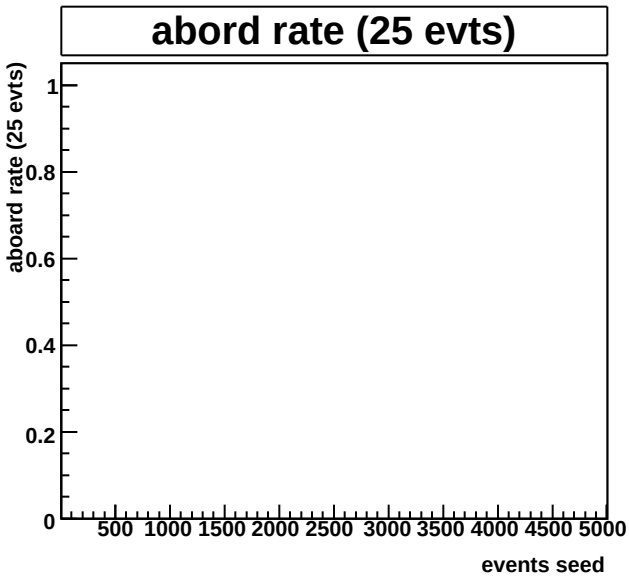




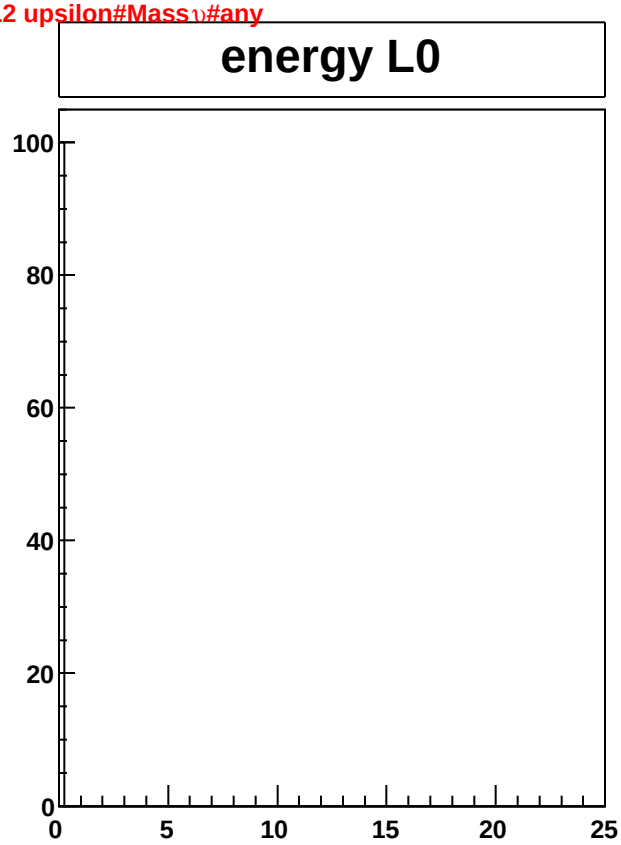


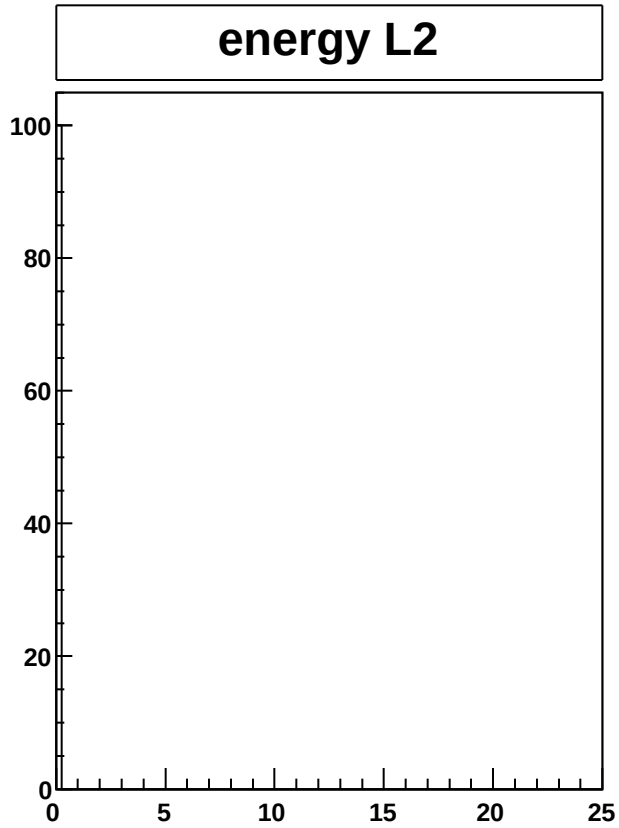


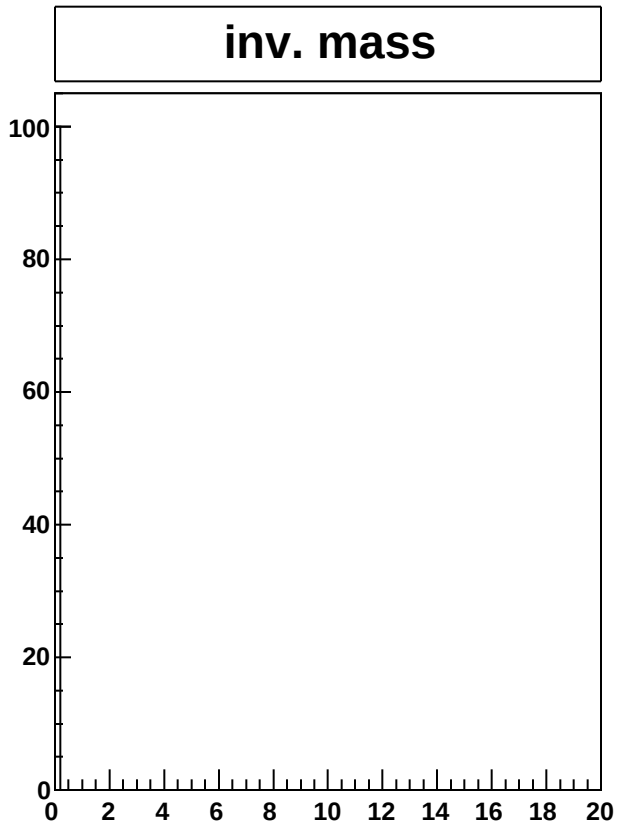


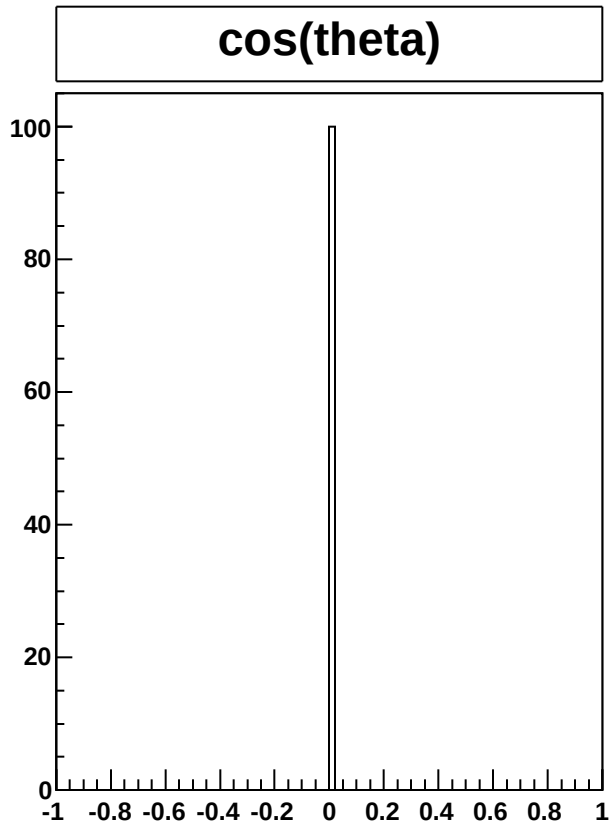


L2 upsilon#Massυ#any









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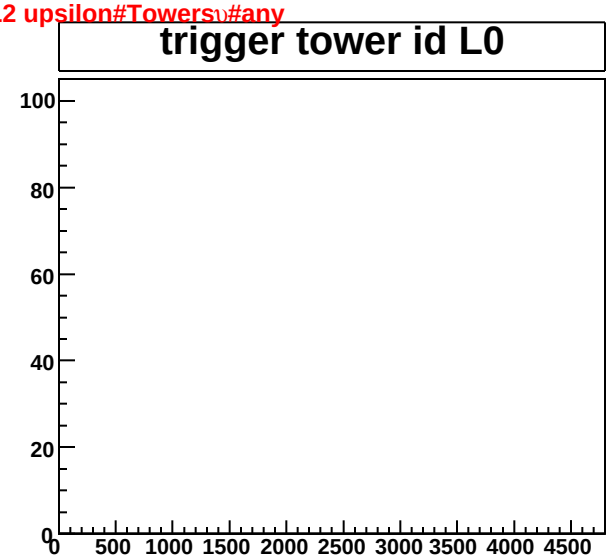

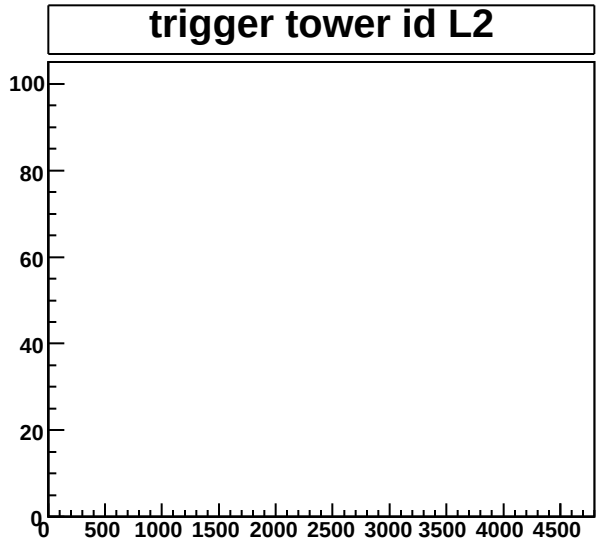

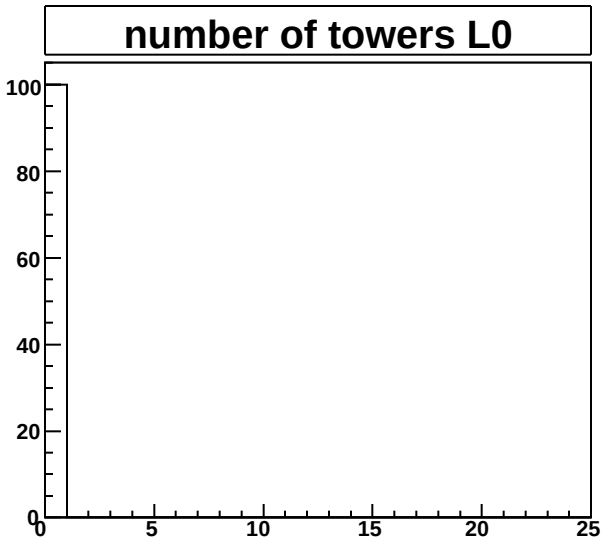

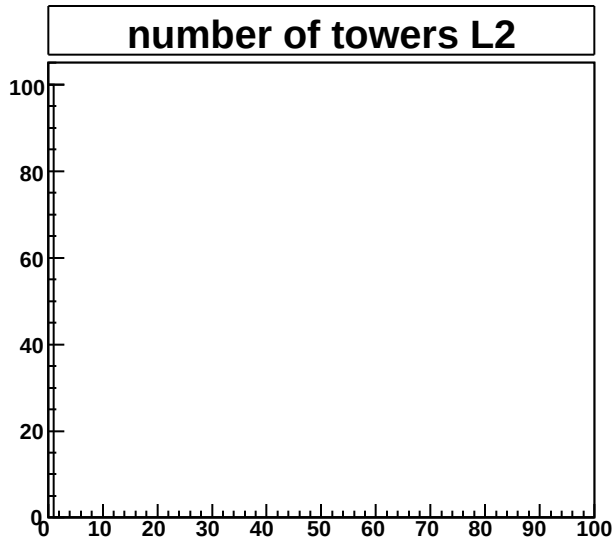

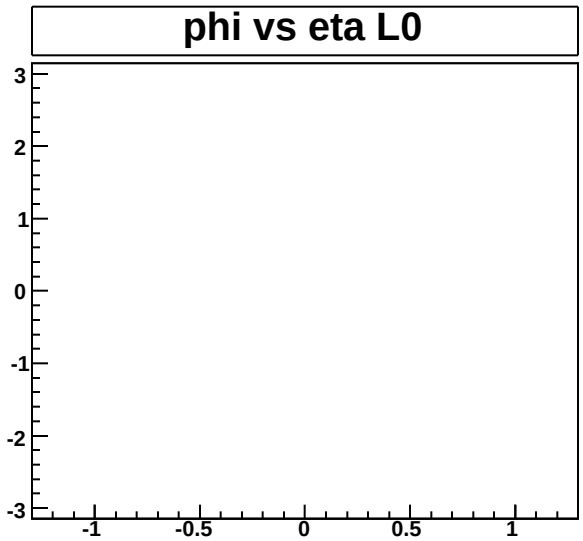

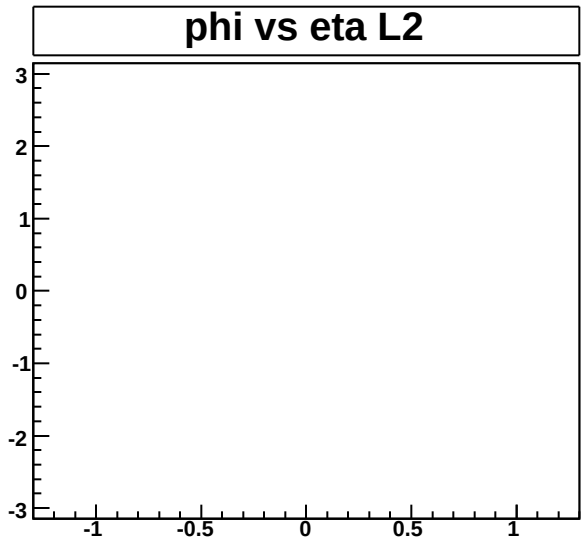

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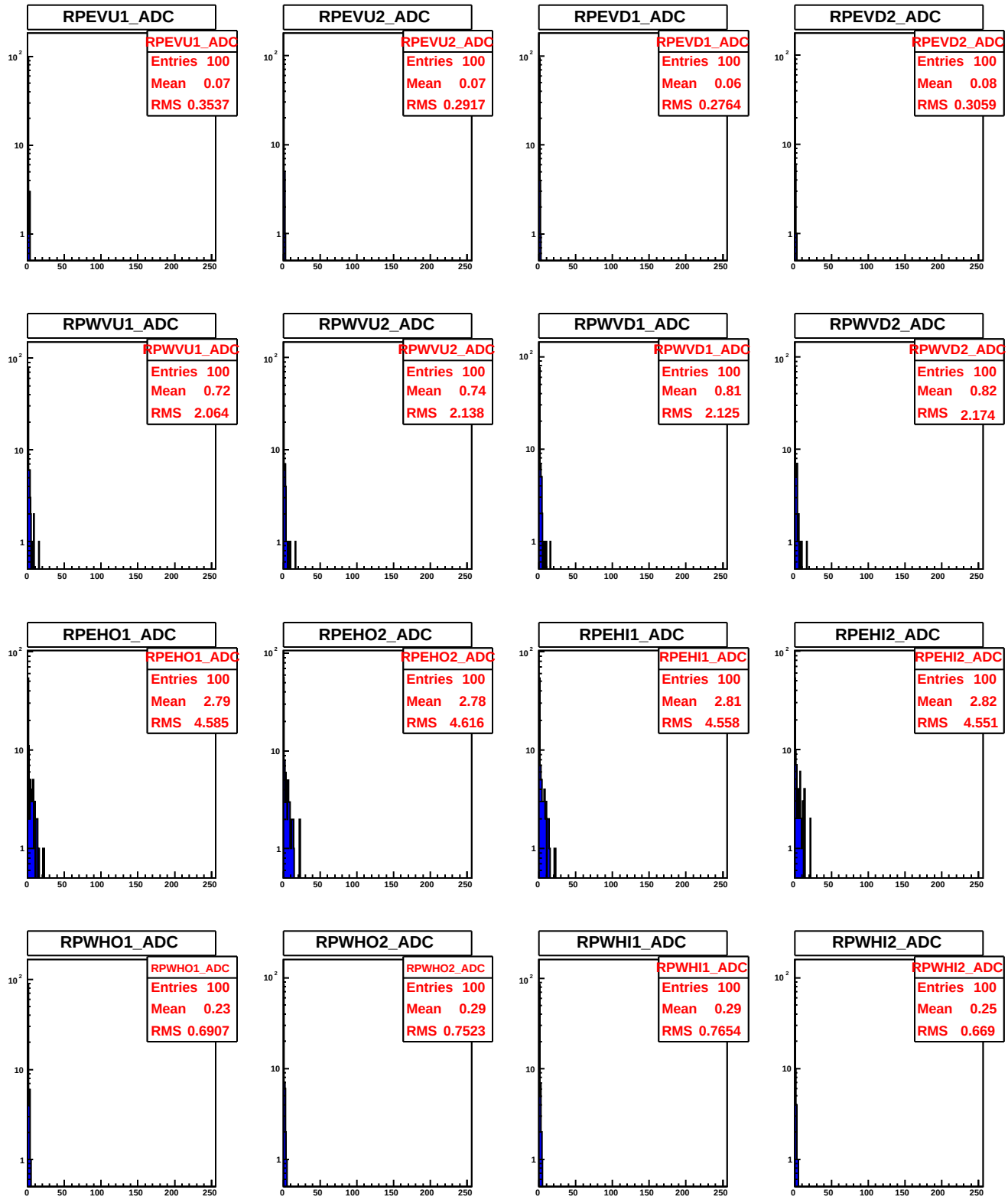
Run: #12058047



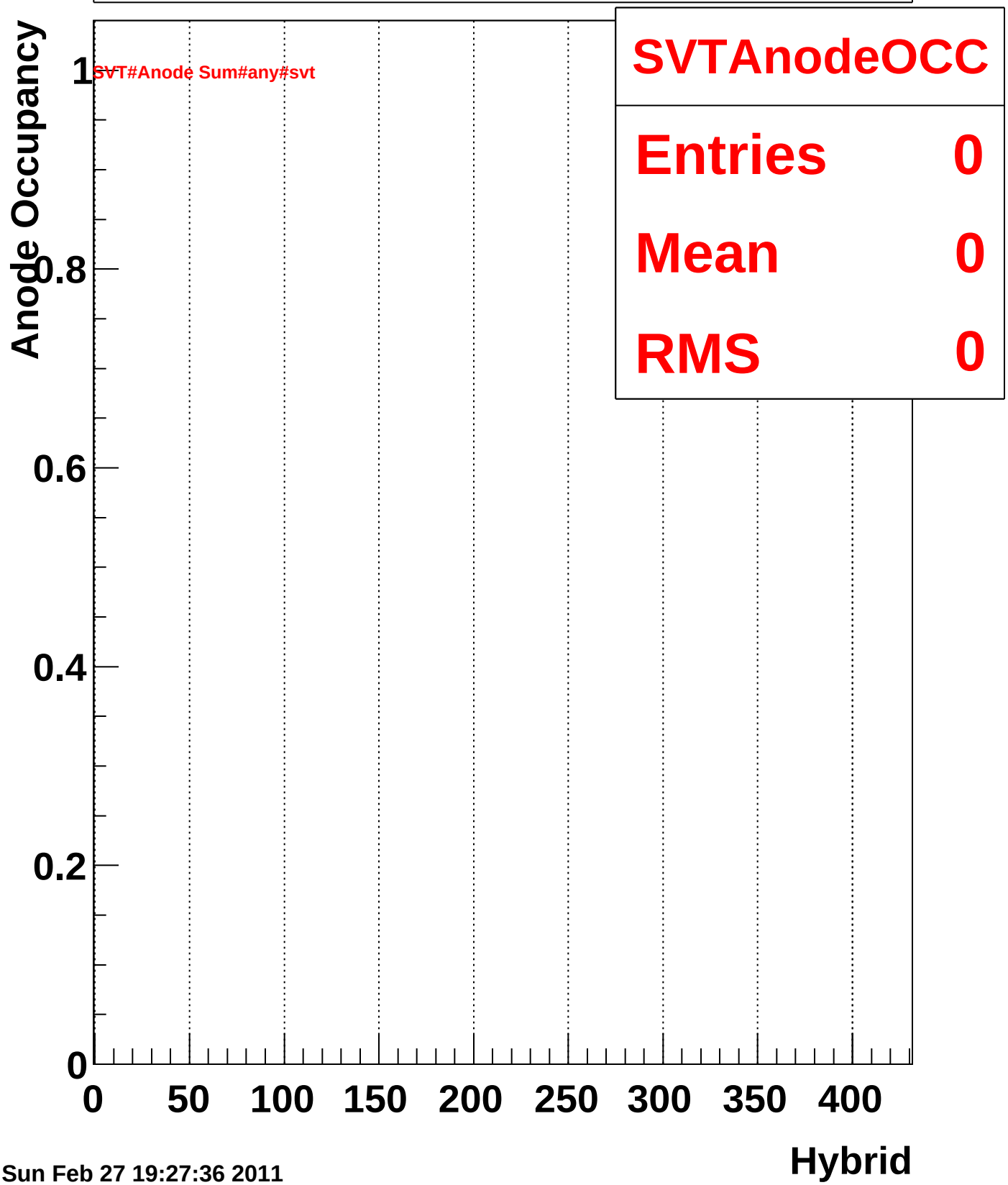
Sun Feb 27 19:27:36 2011

P2P#Trg17-32#any#trg

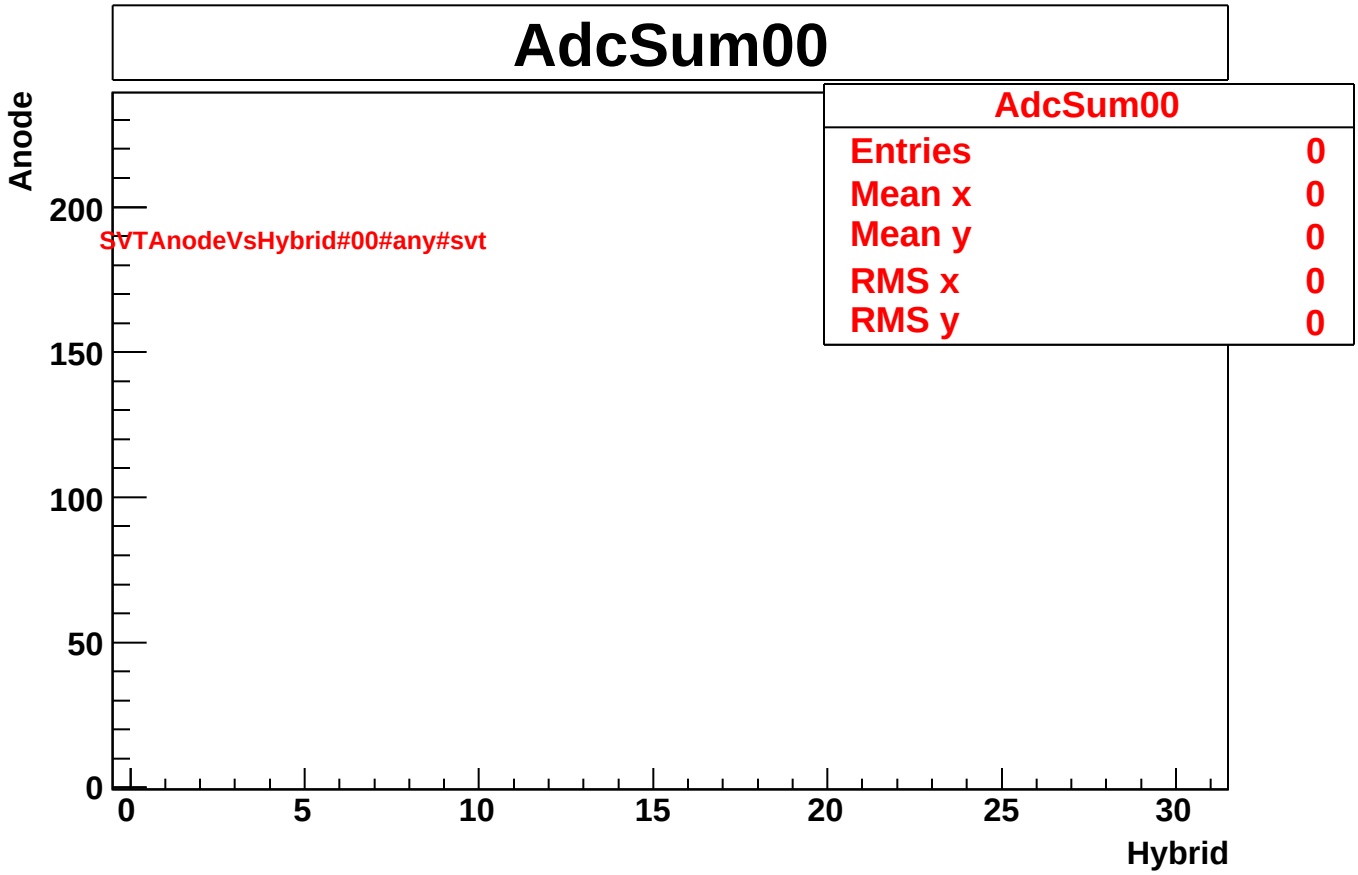
Run: #12058047

Sun Feb 27 19:27:36 2011

SVTAnodeOCC



Sun Feb 27 19:27:36 2011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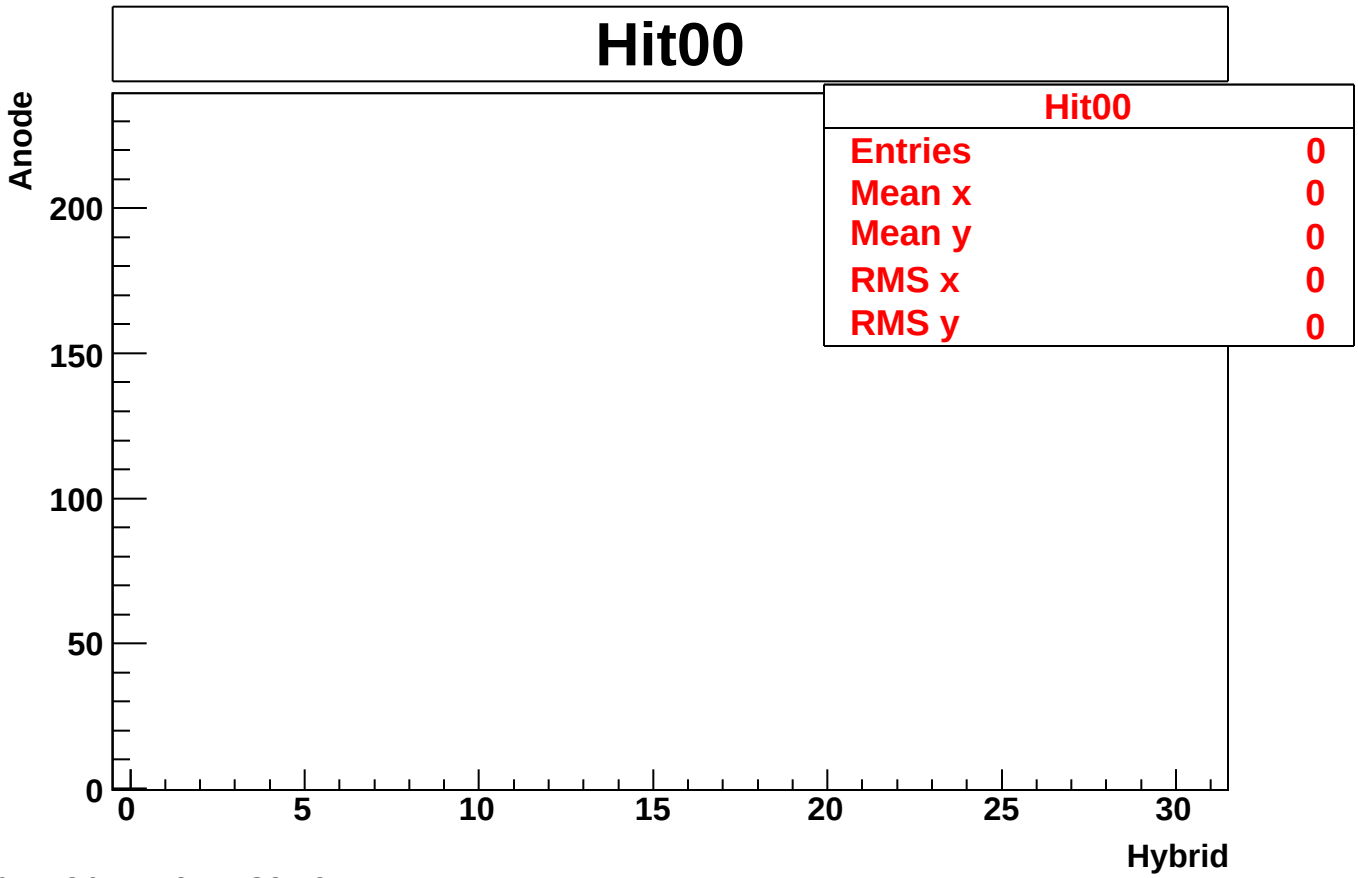
Hybrid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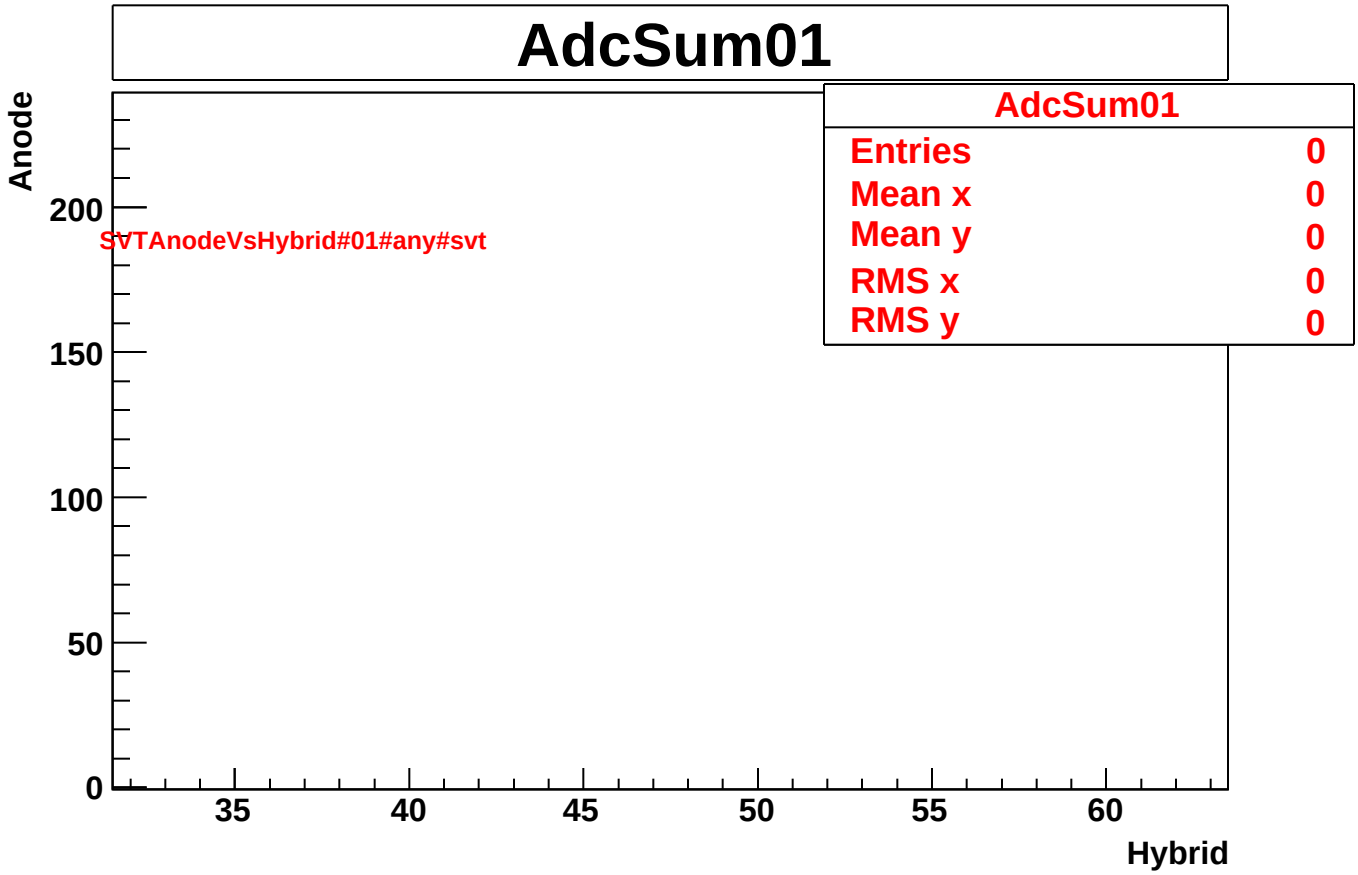
Hybrid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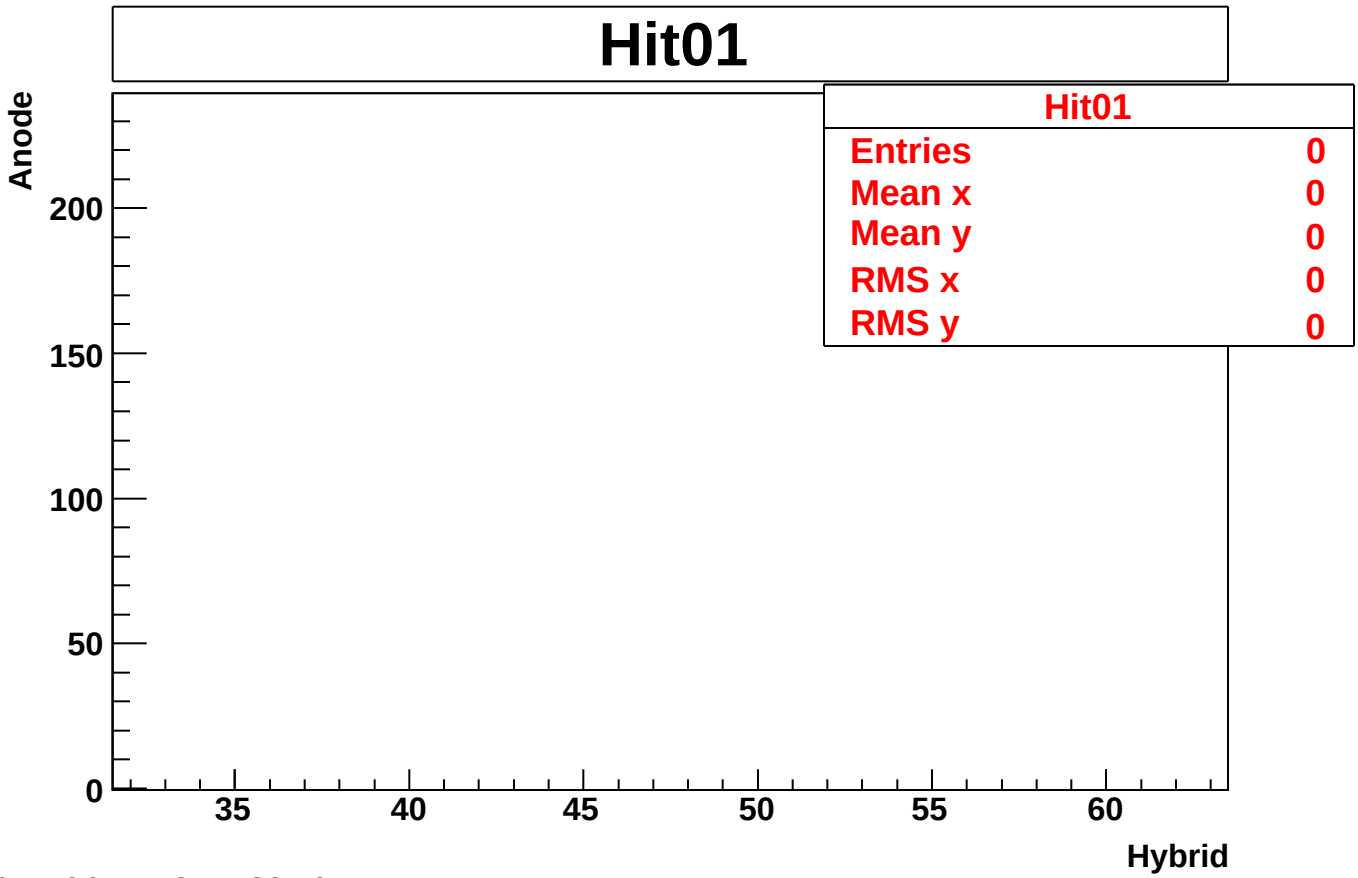
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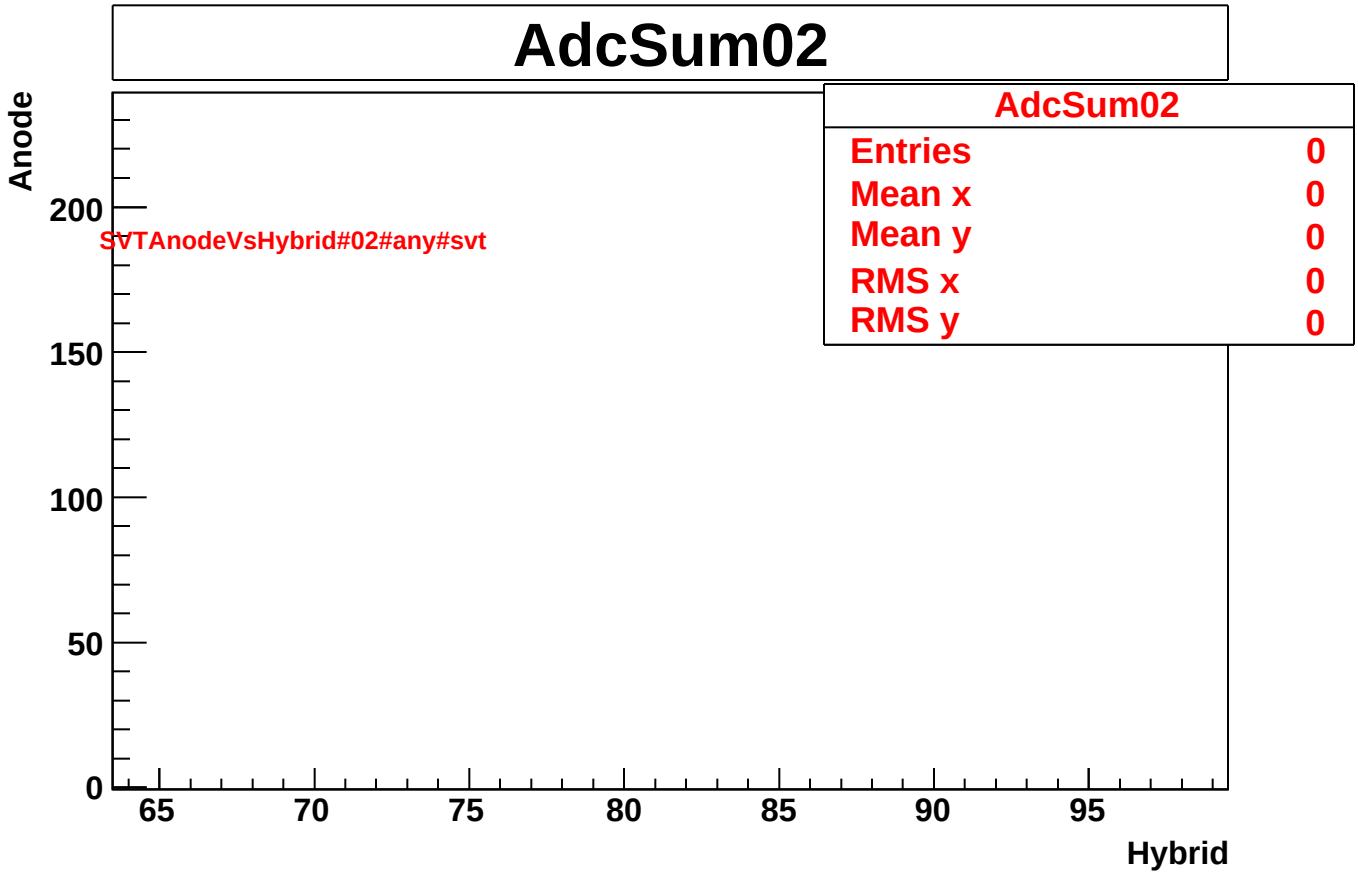
Hybrid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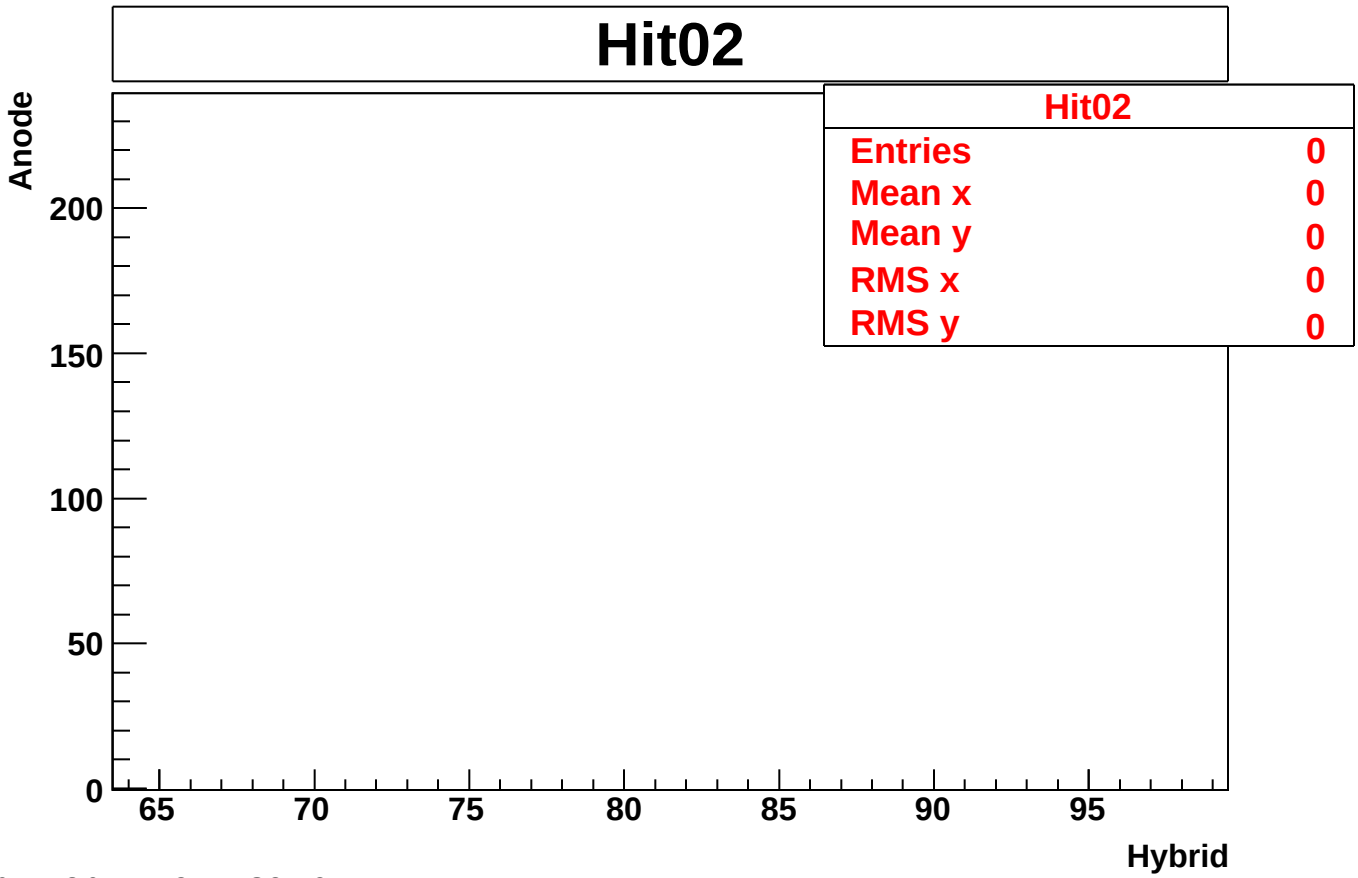
95
Hybrid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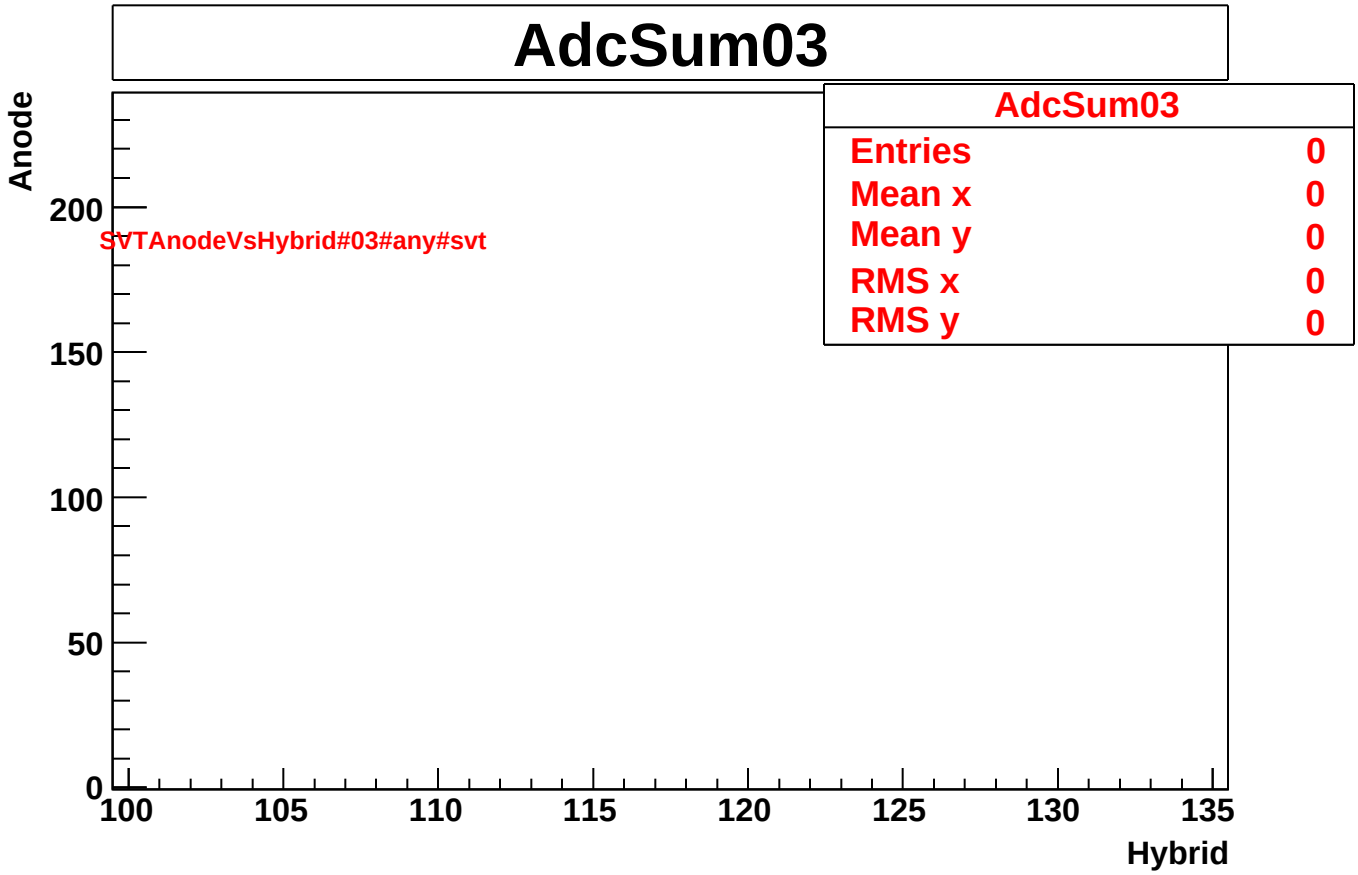
90
95
Hybrid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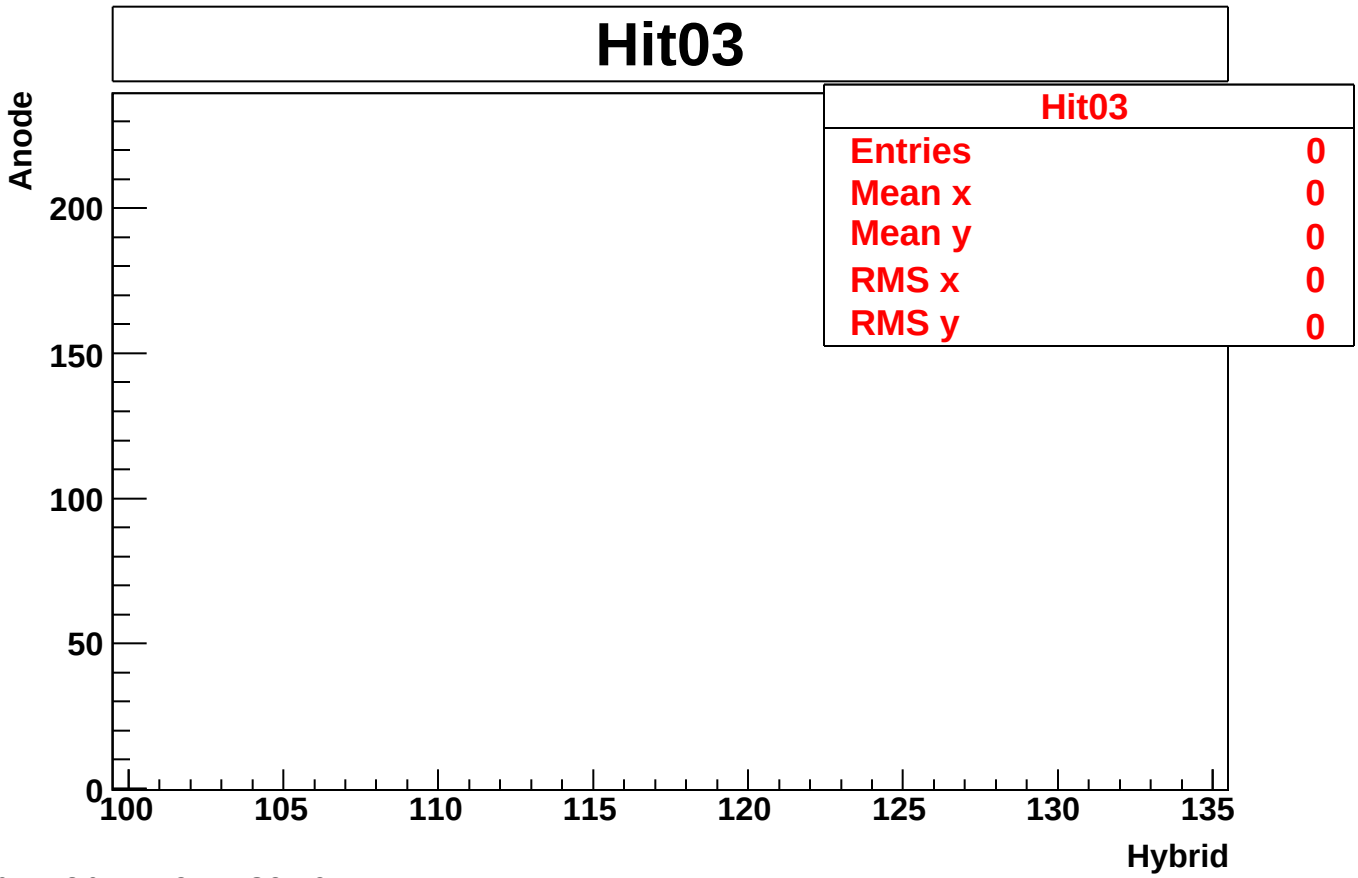
130
135
Hybrid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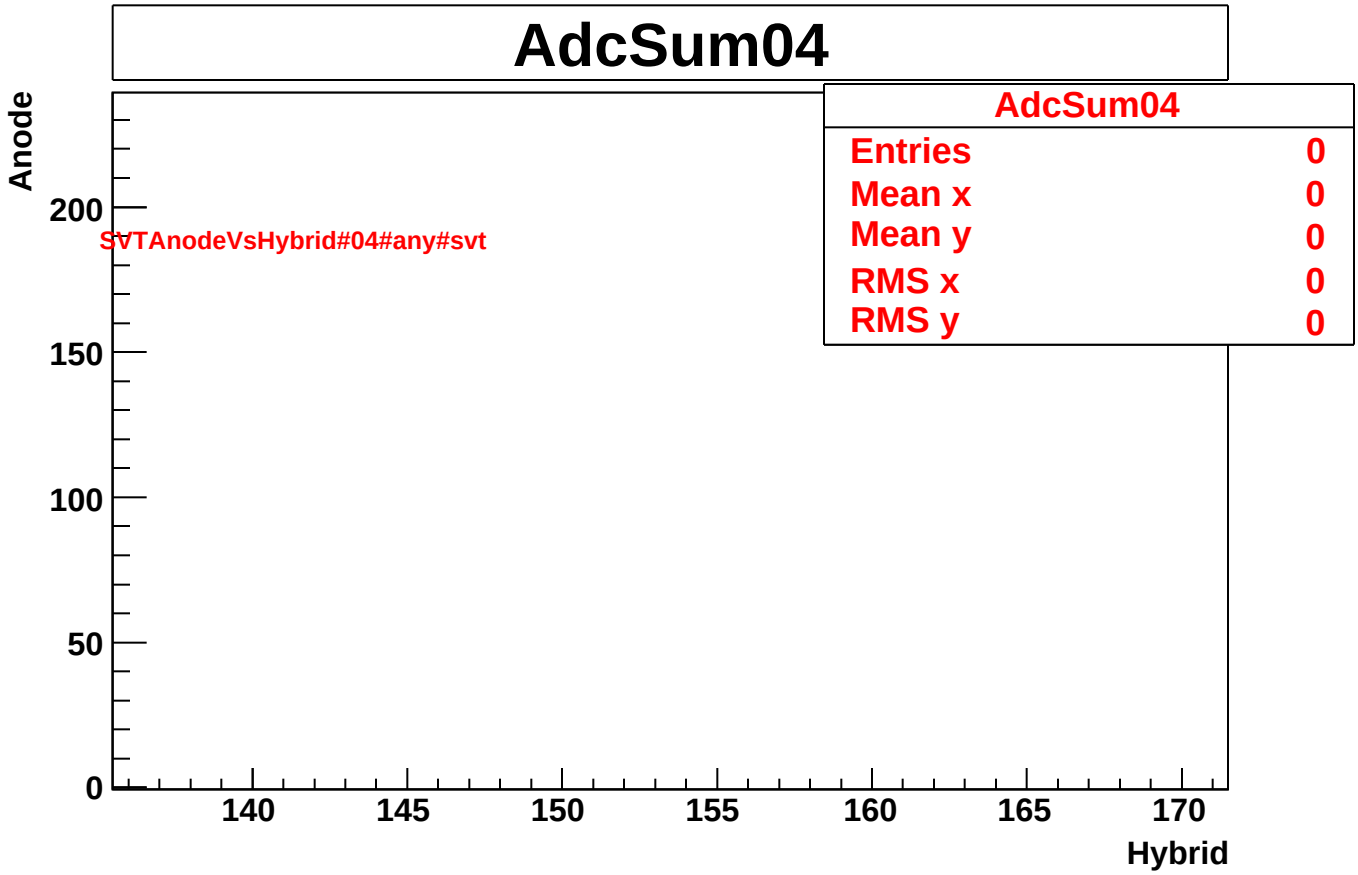
Hybrid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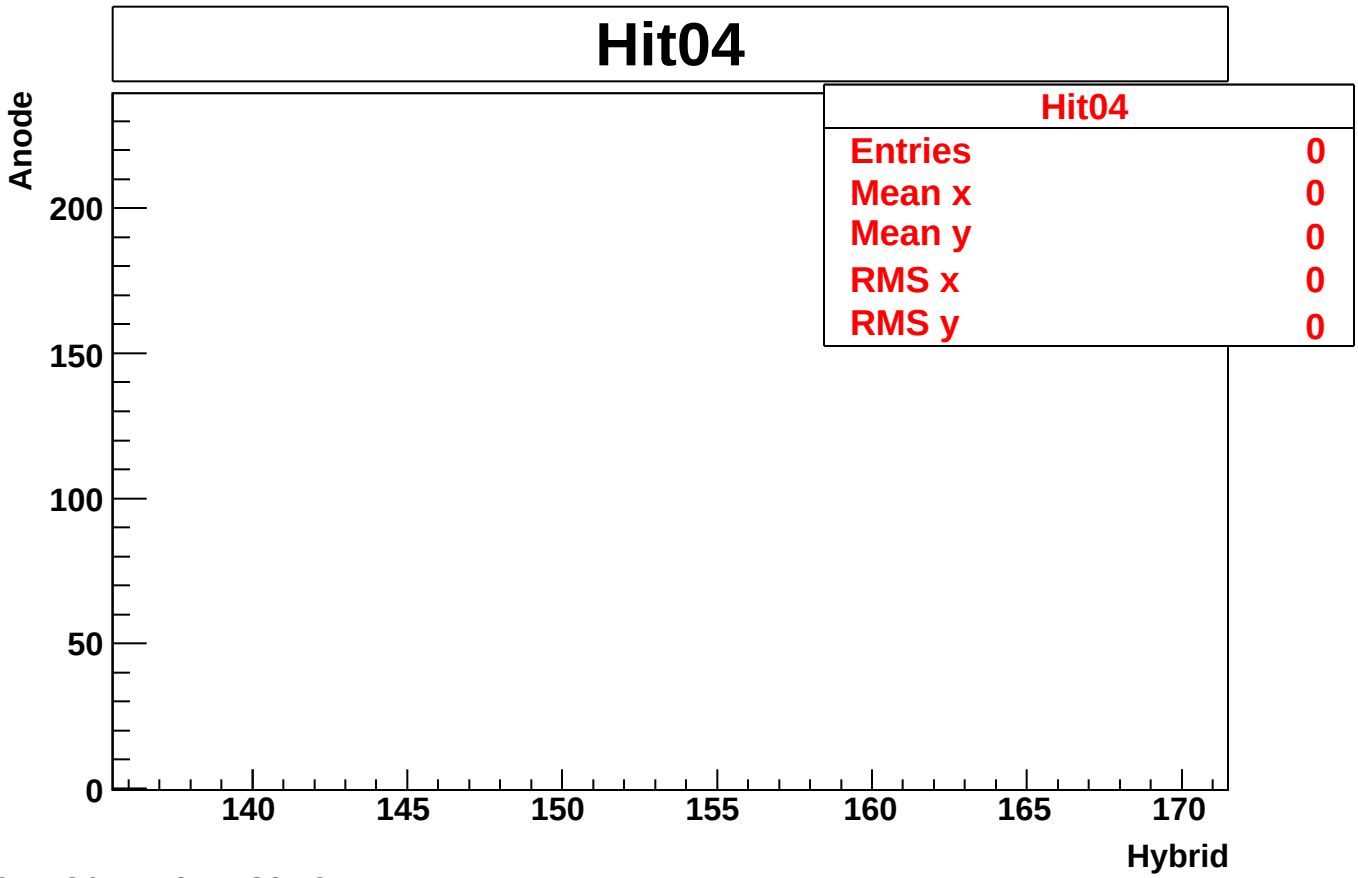
170
Hybrid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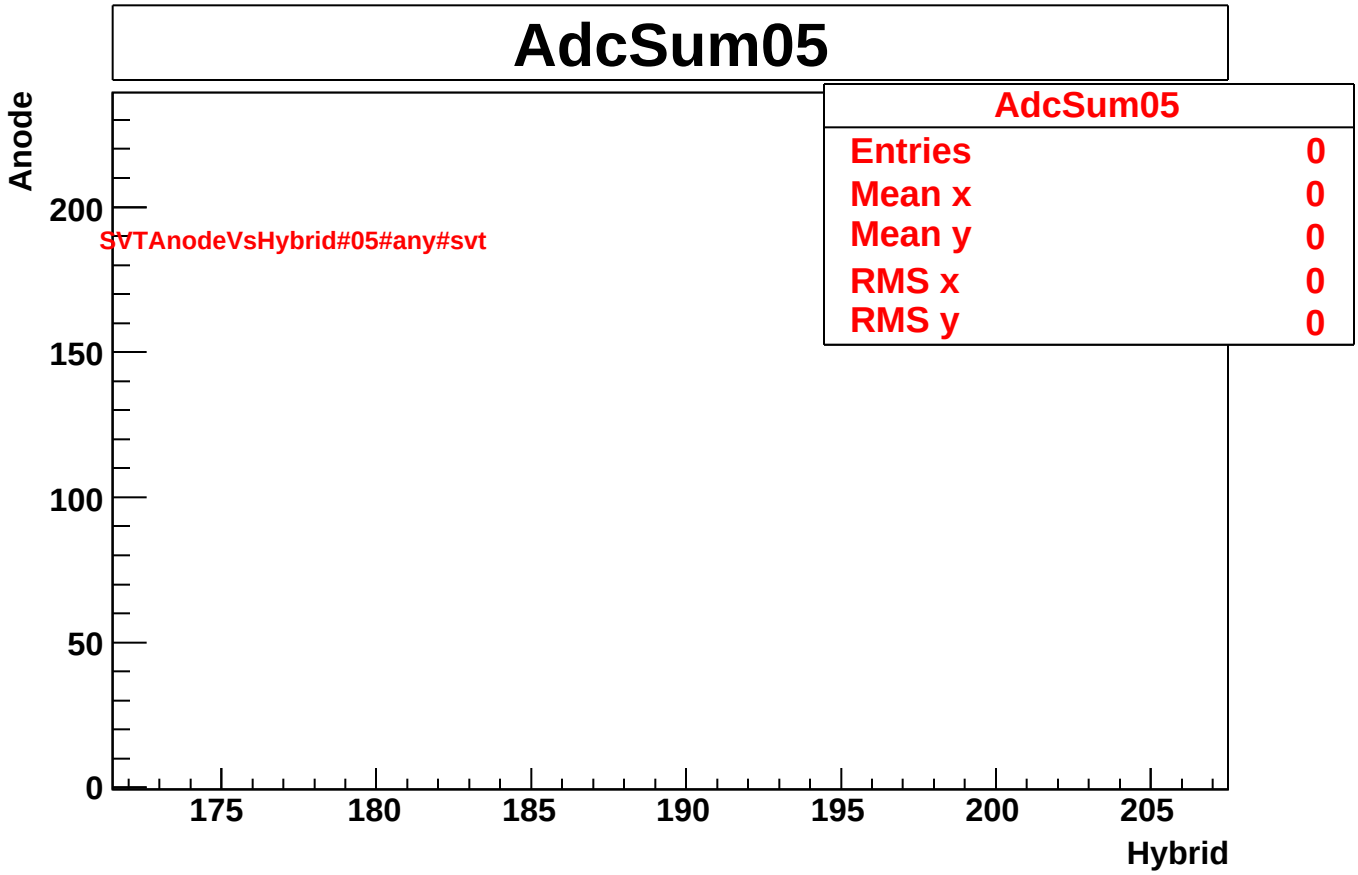
Hybrid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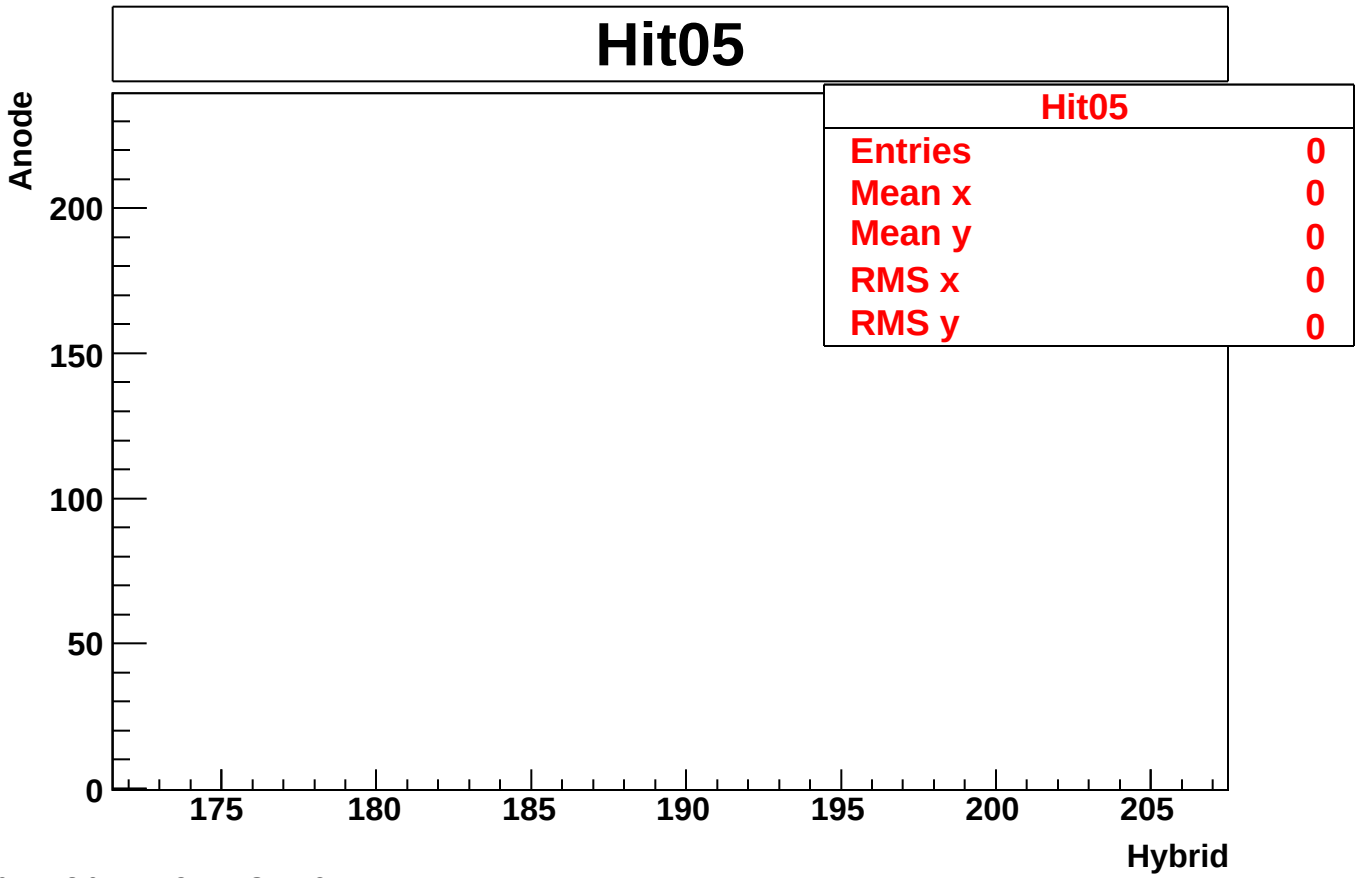
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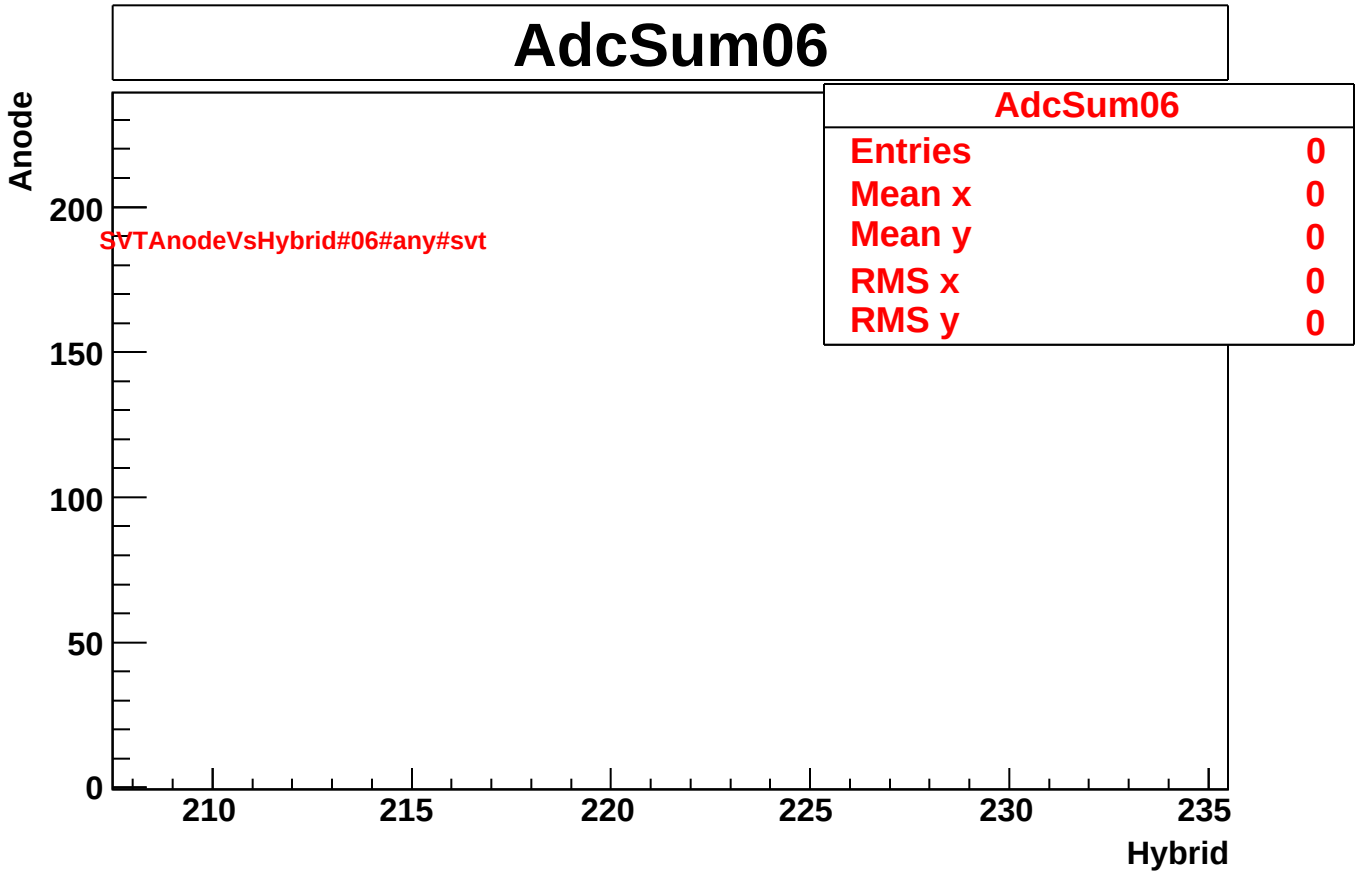
Hybrid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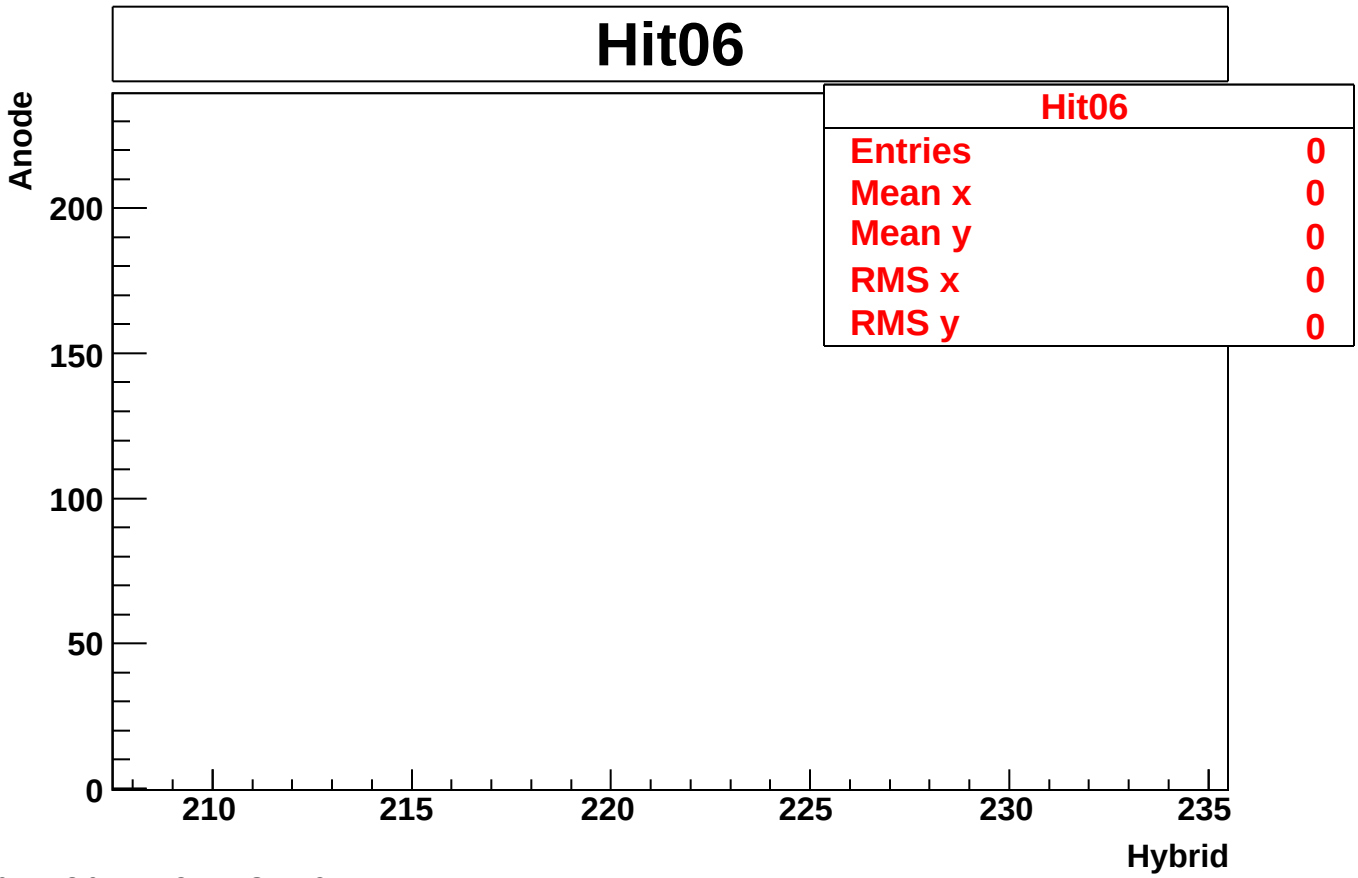
225
230
235
Hybrid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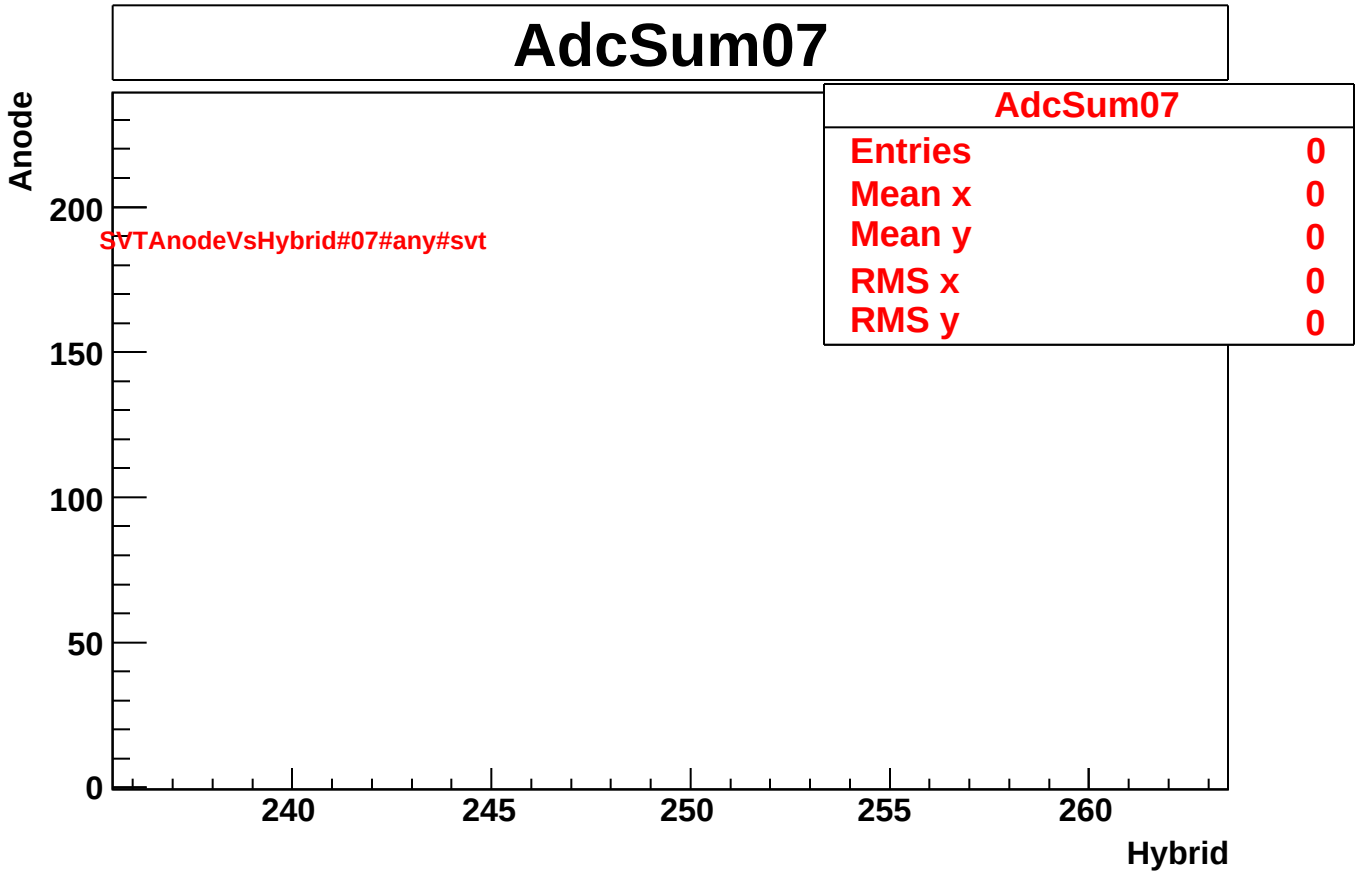
230
235
Hybrid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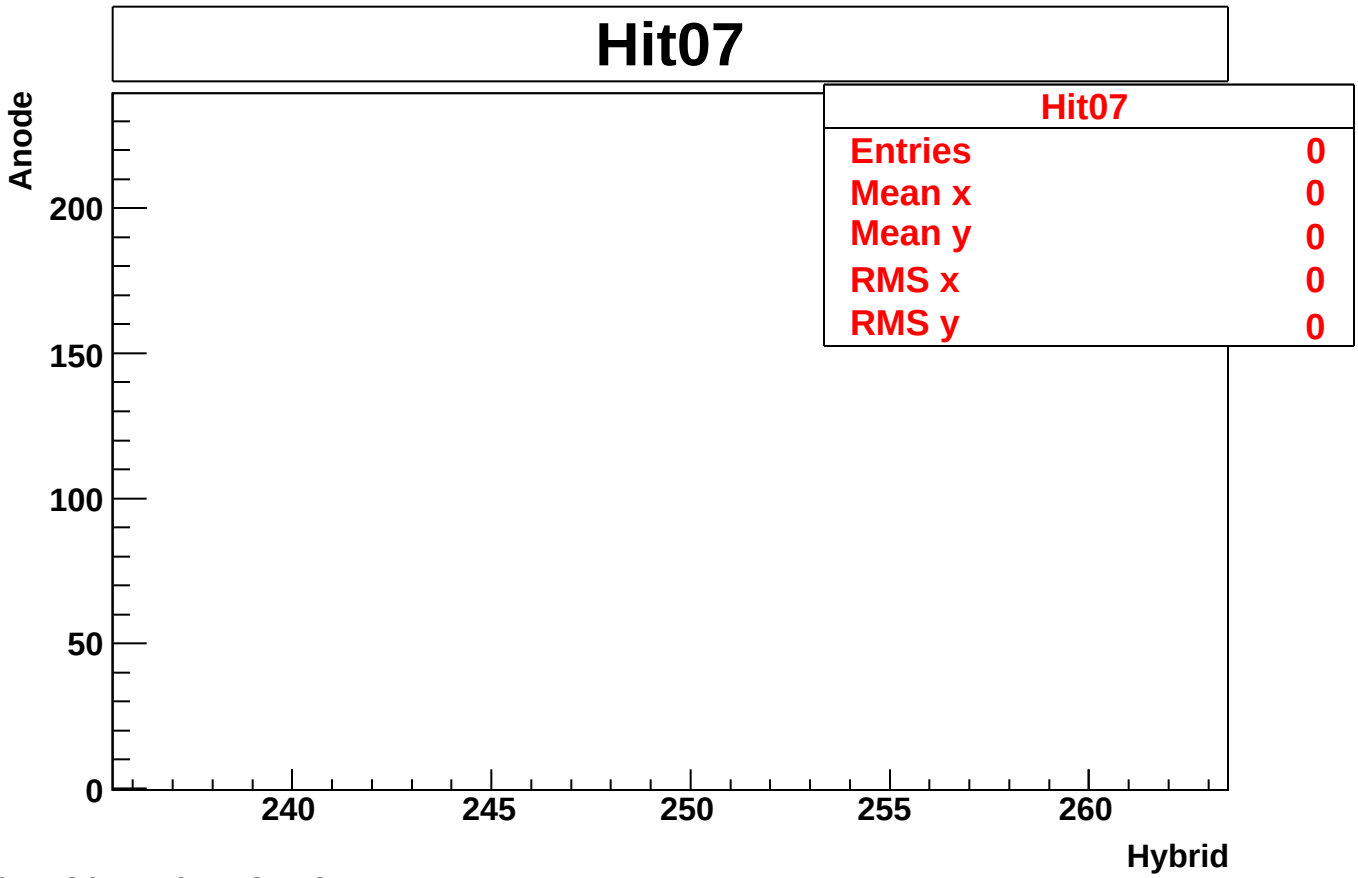
Hybrid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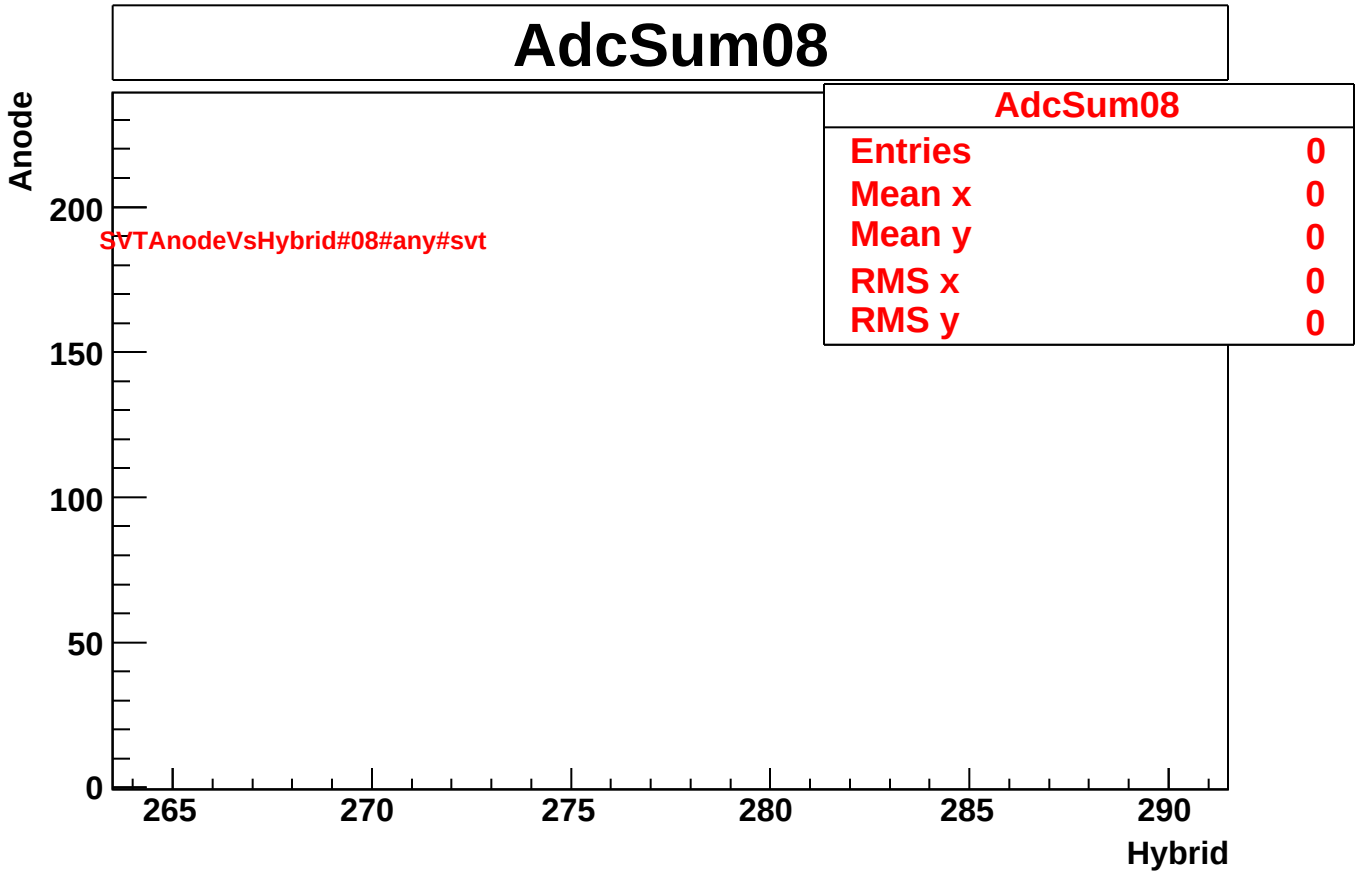
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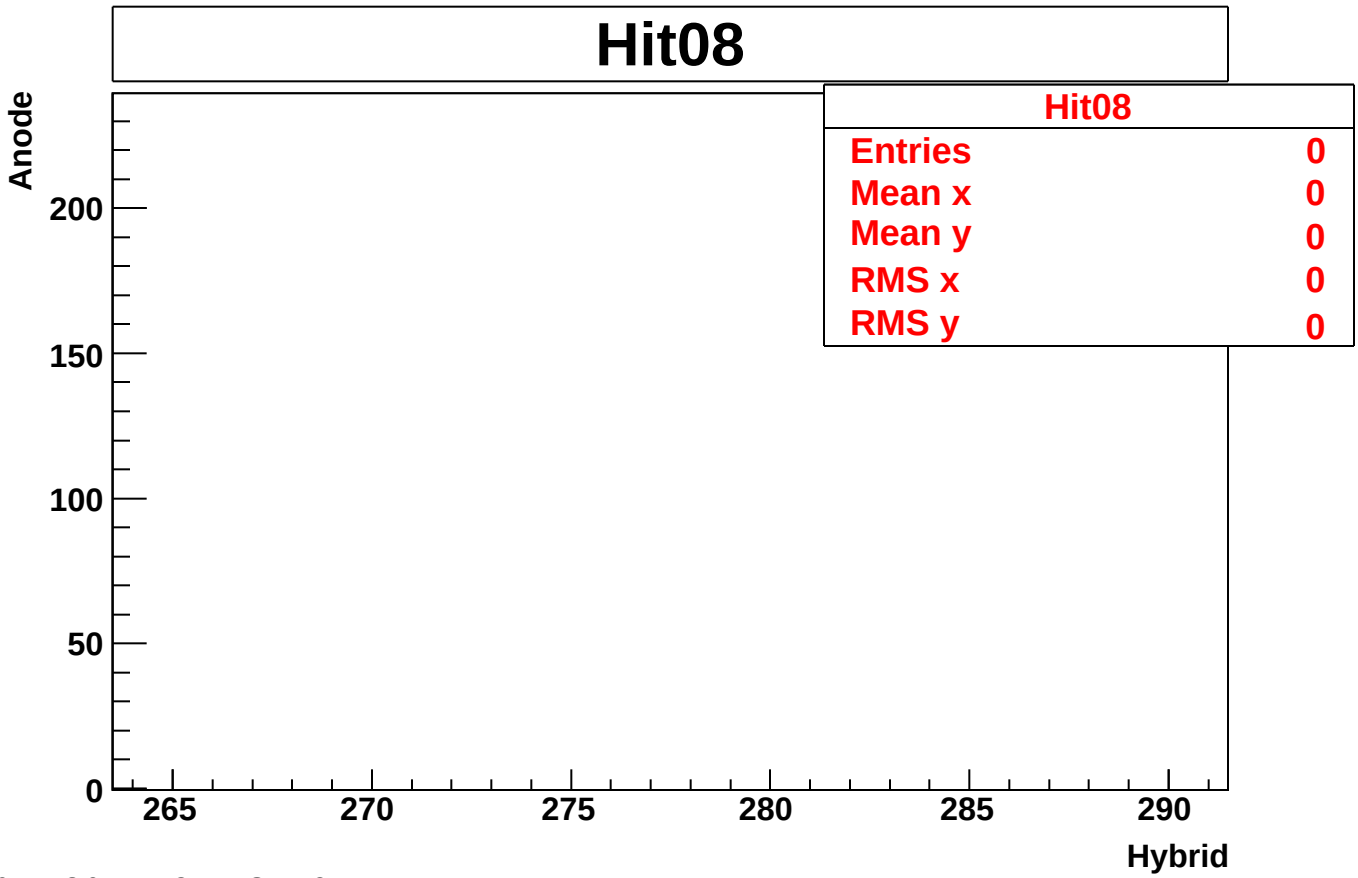
290
Hybrid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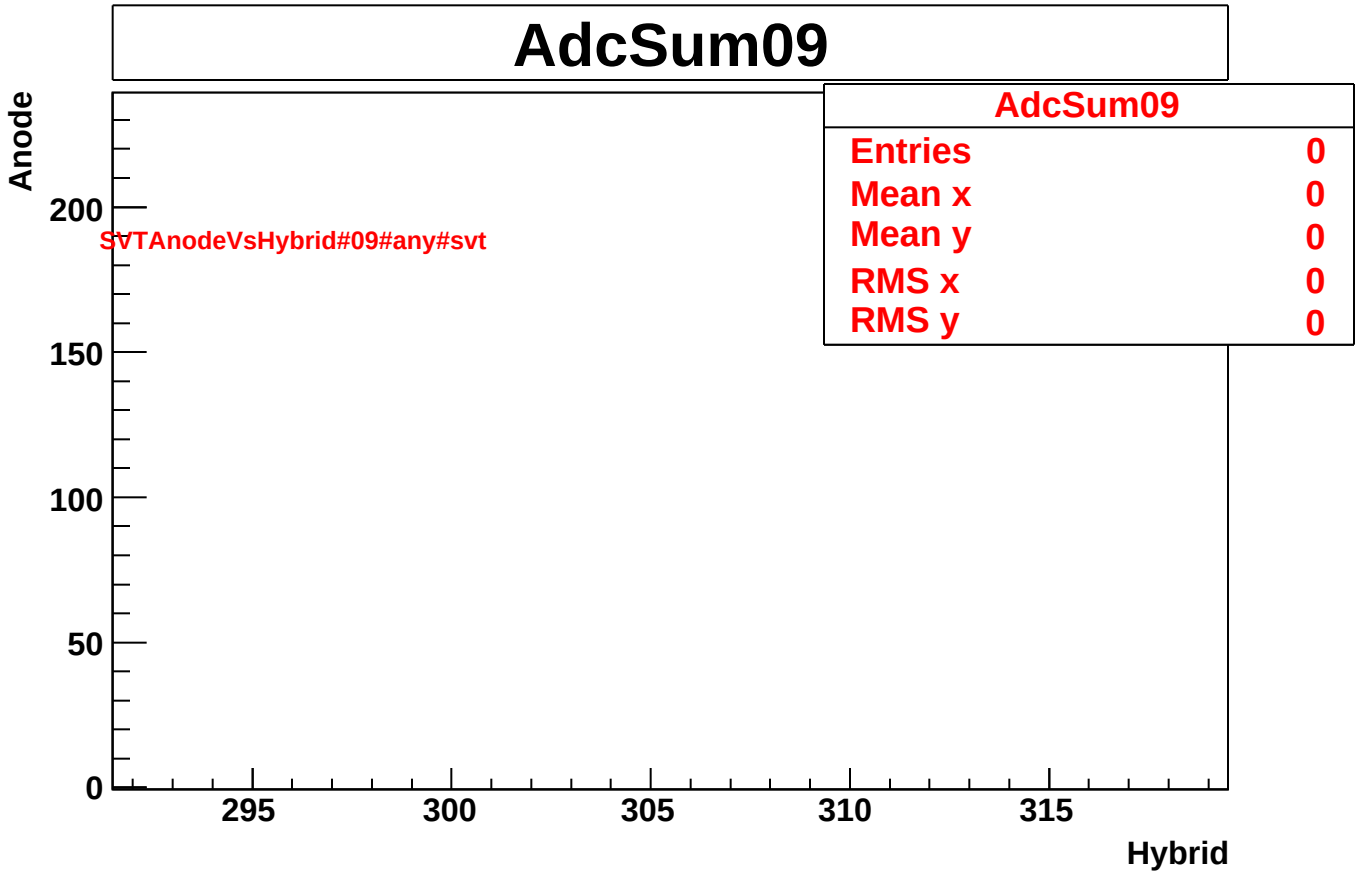
Hybrid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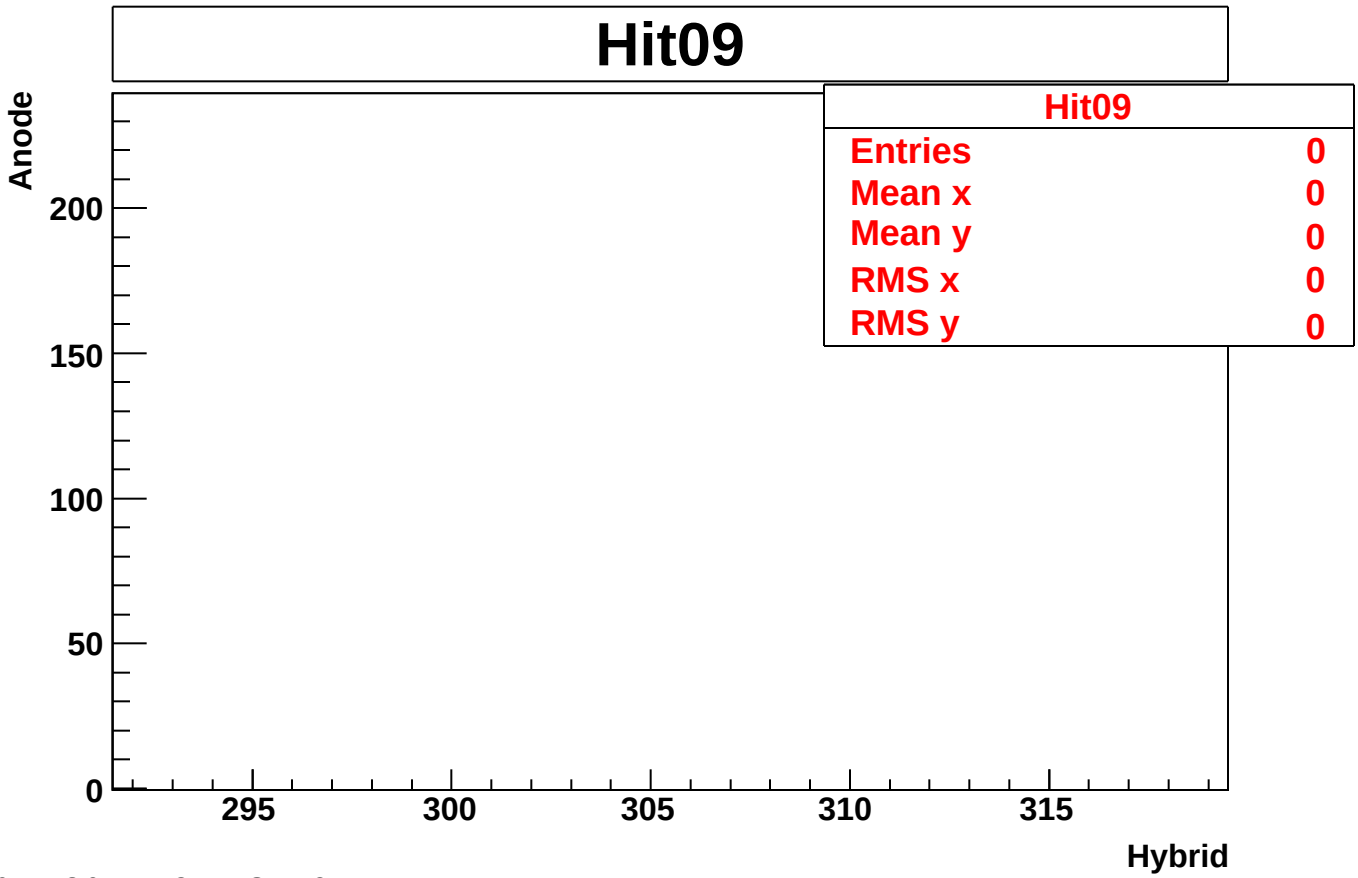
315
Hybrid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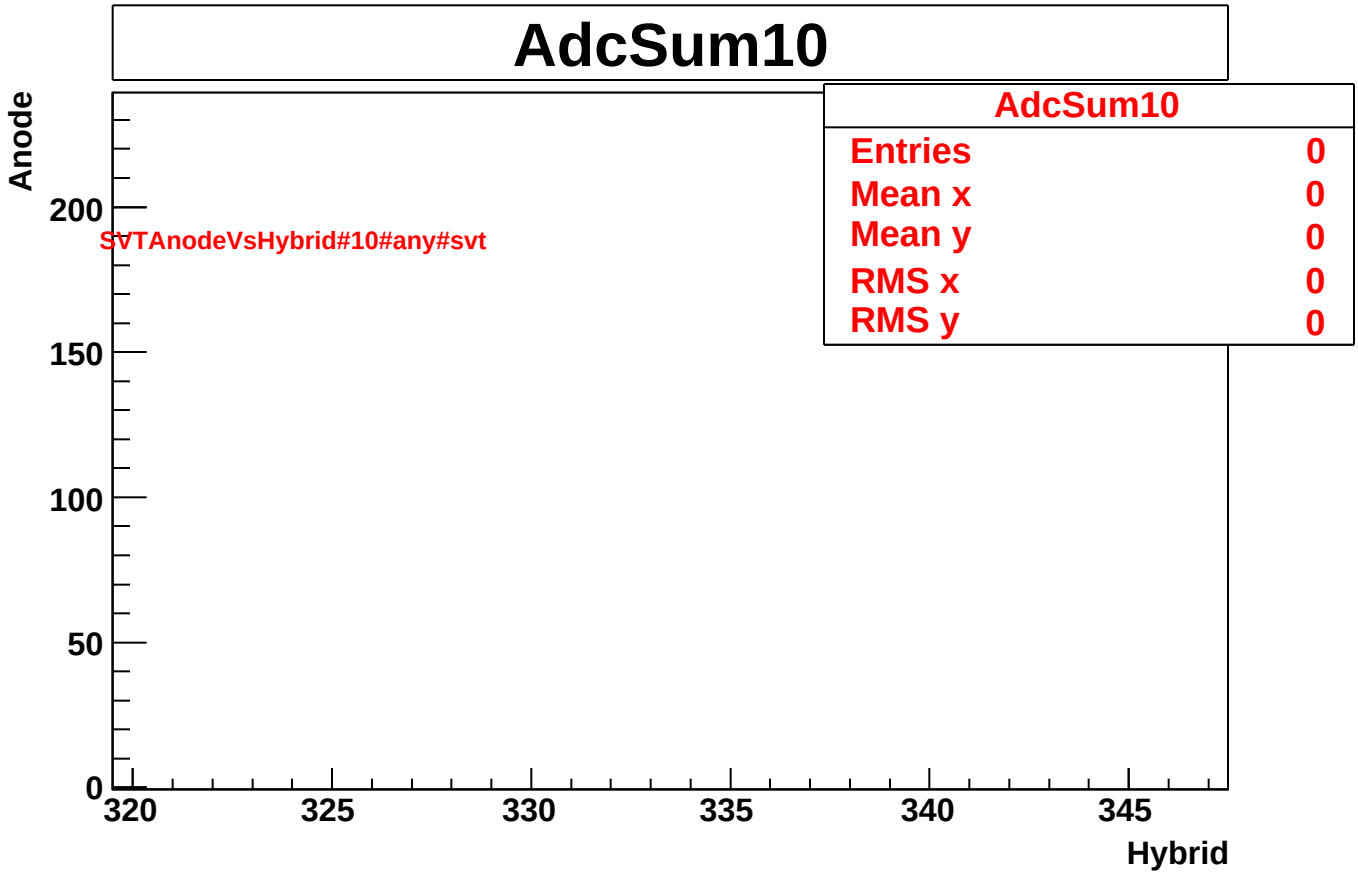
315
Hybrid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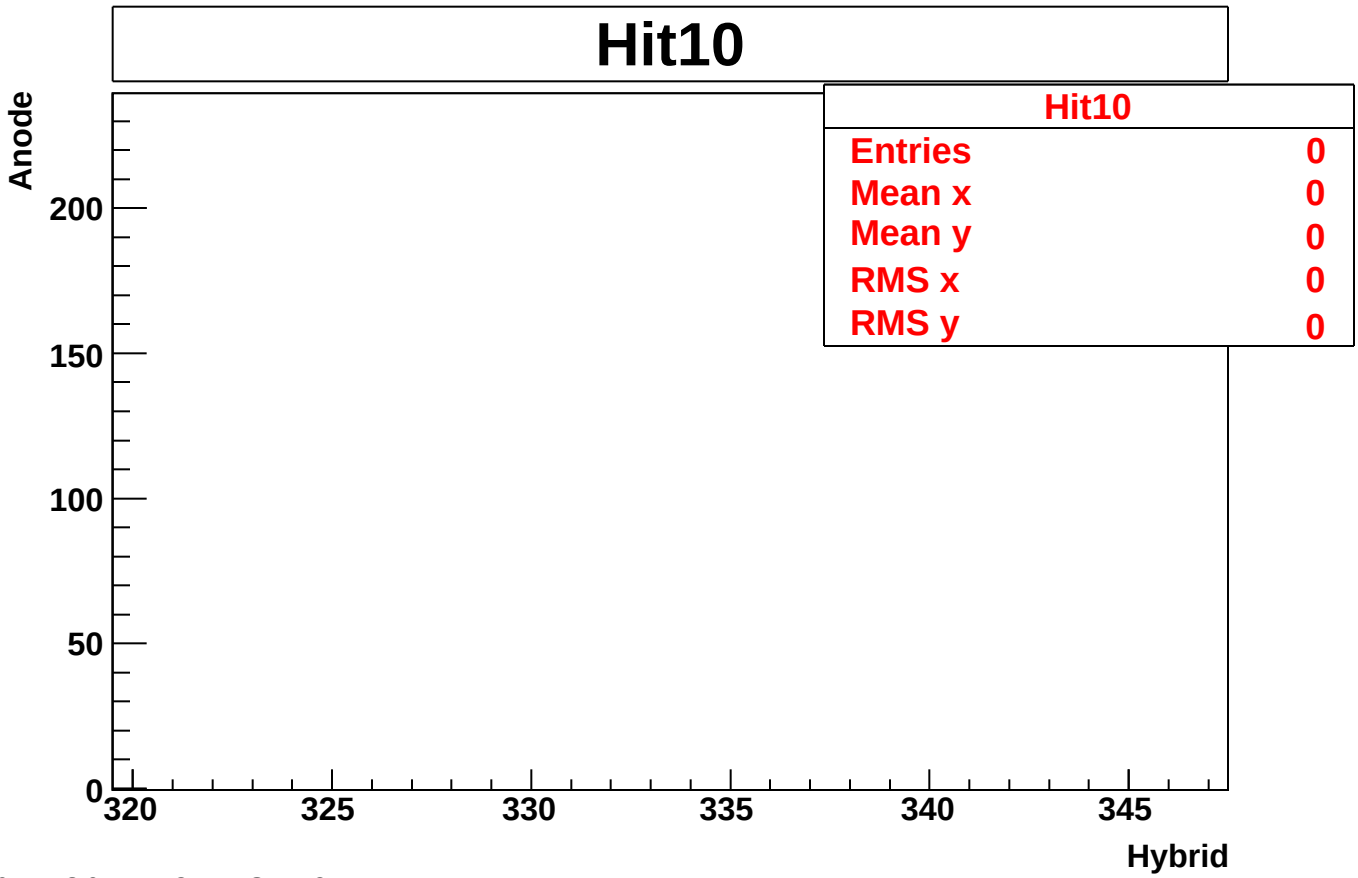
Hybrid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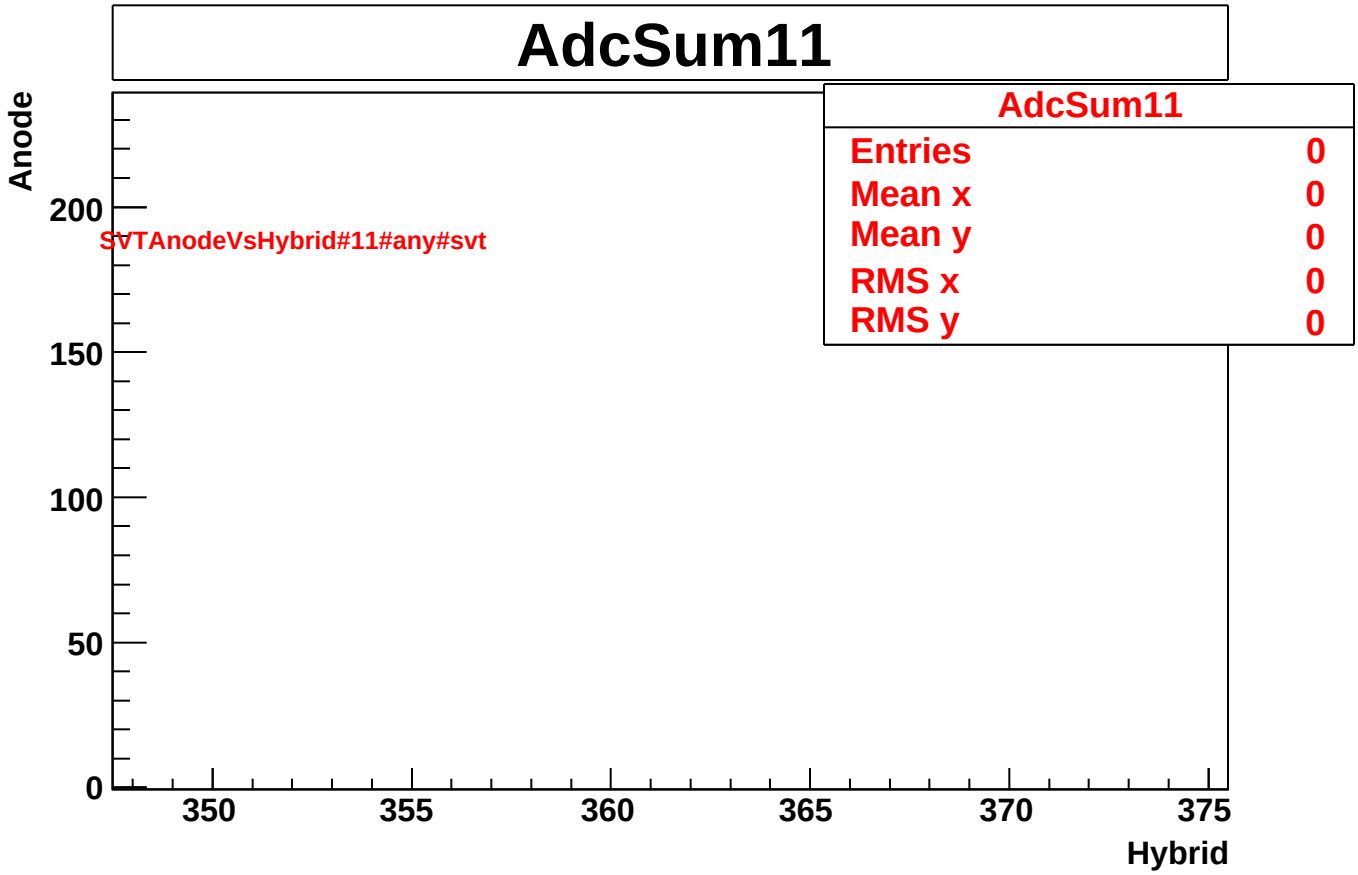
Hybrid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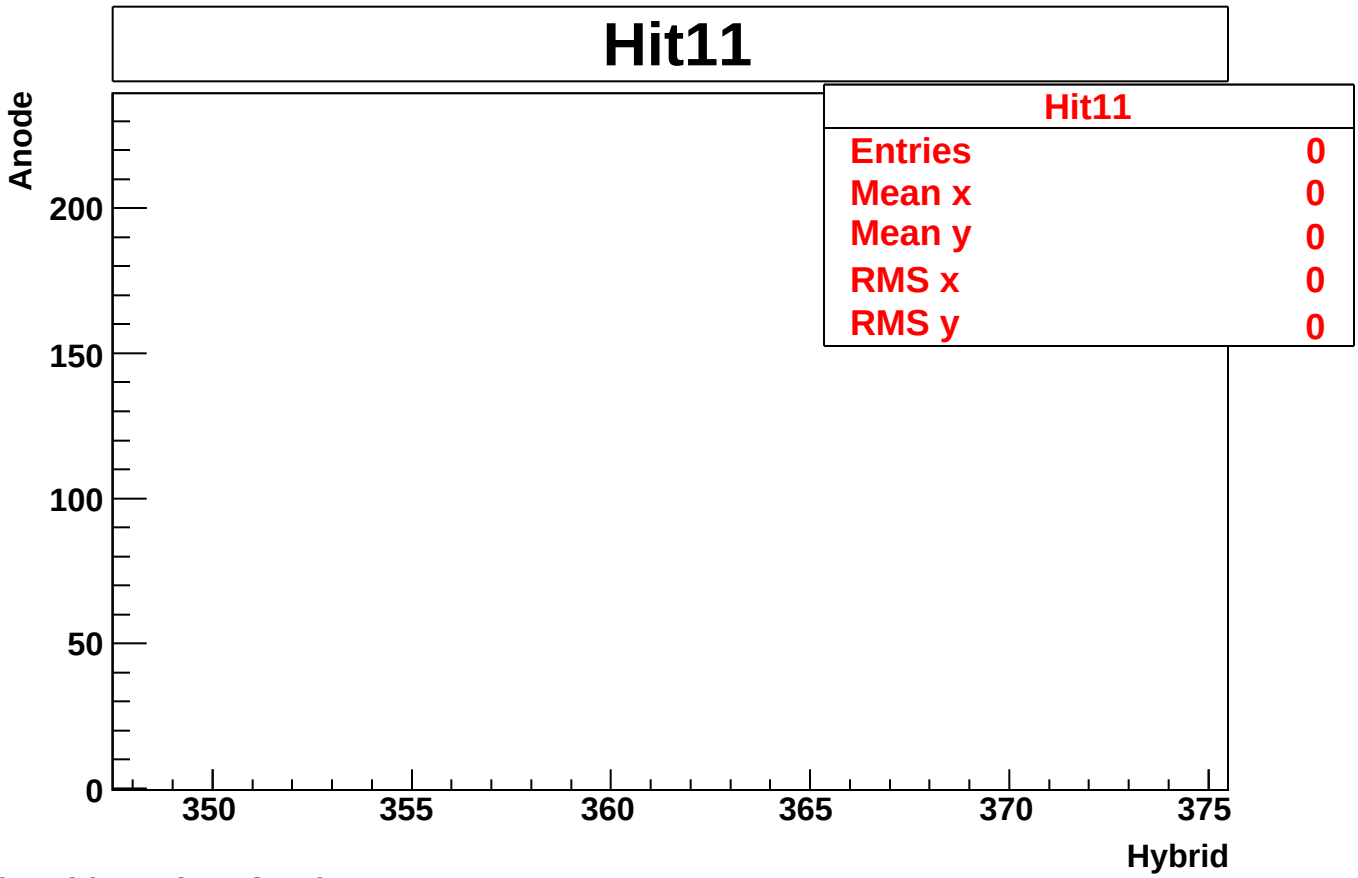
375
Hybrid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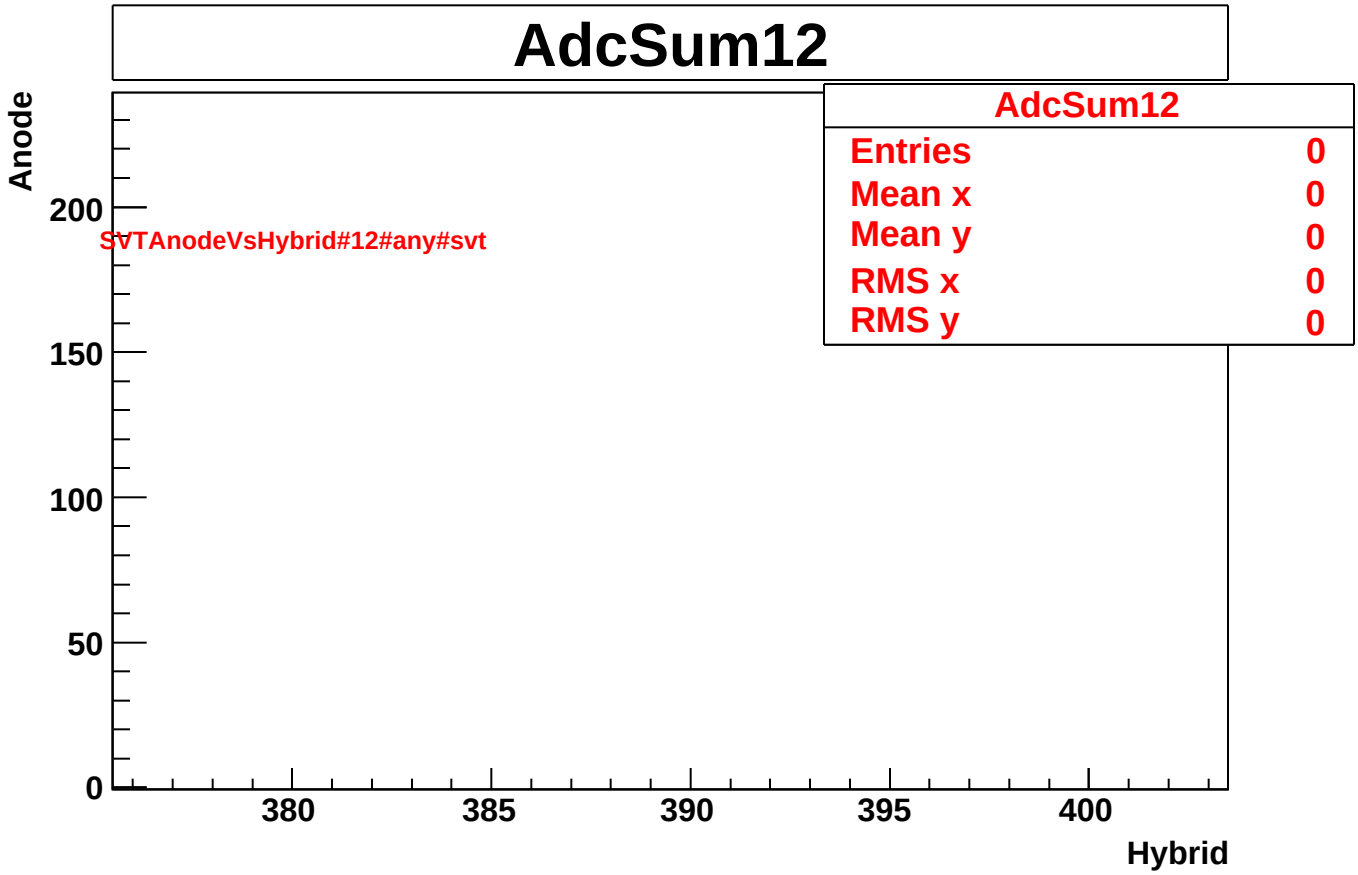
375
Hybrid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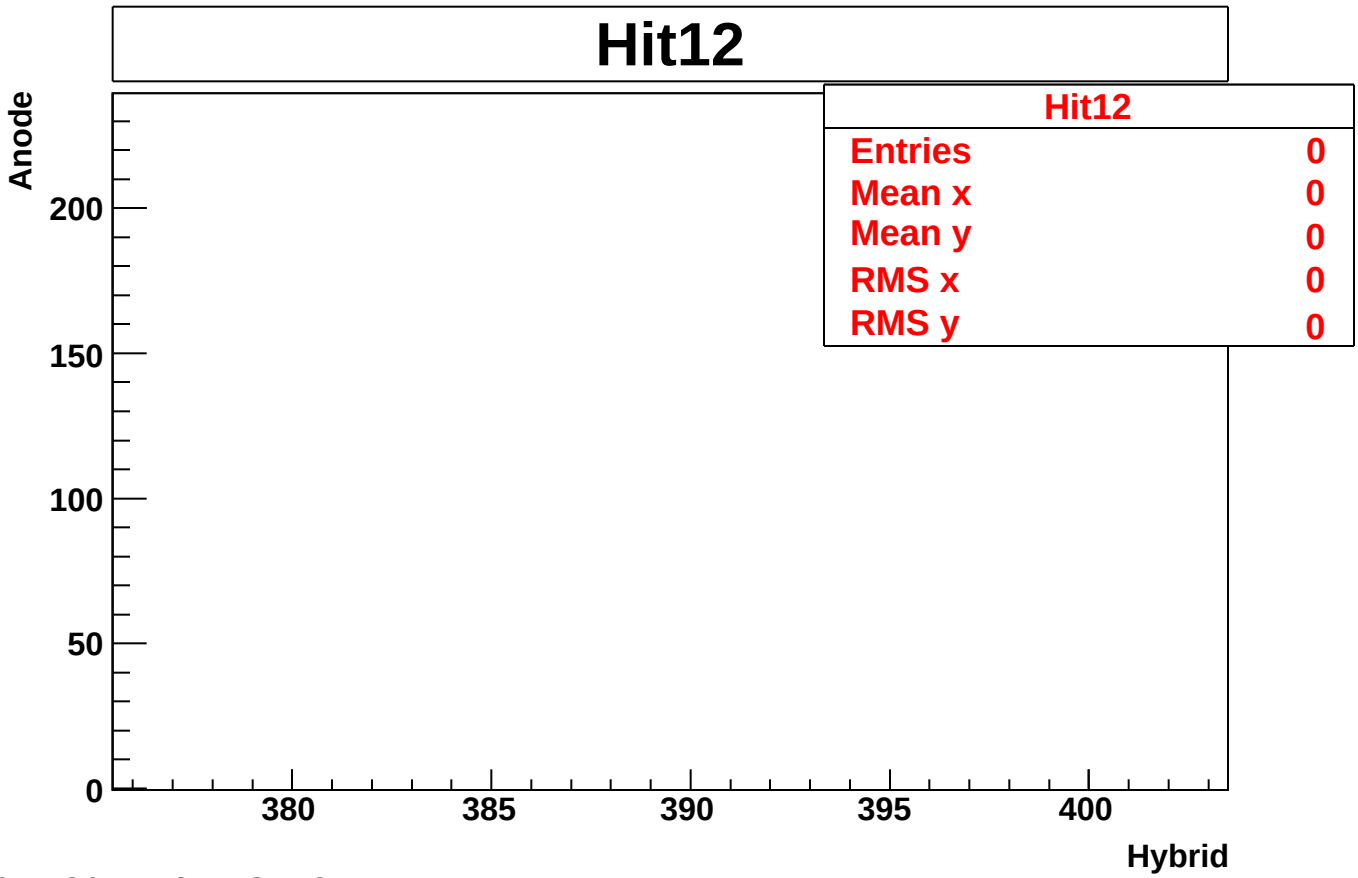
Hybrid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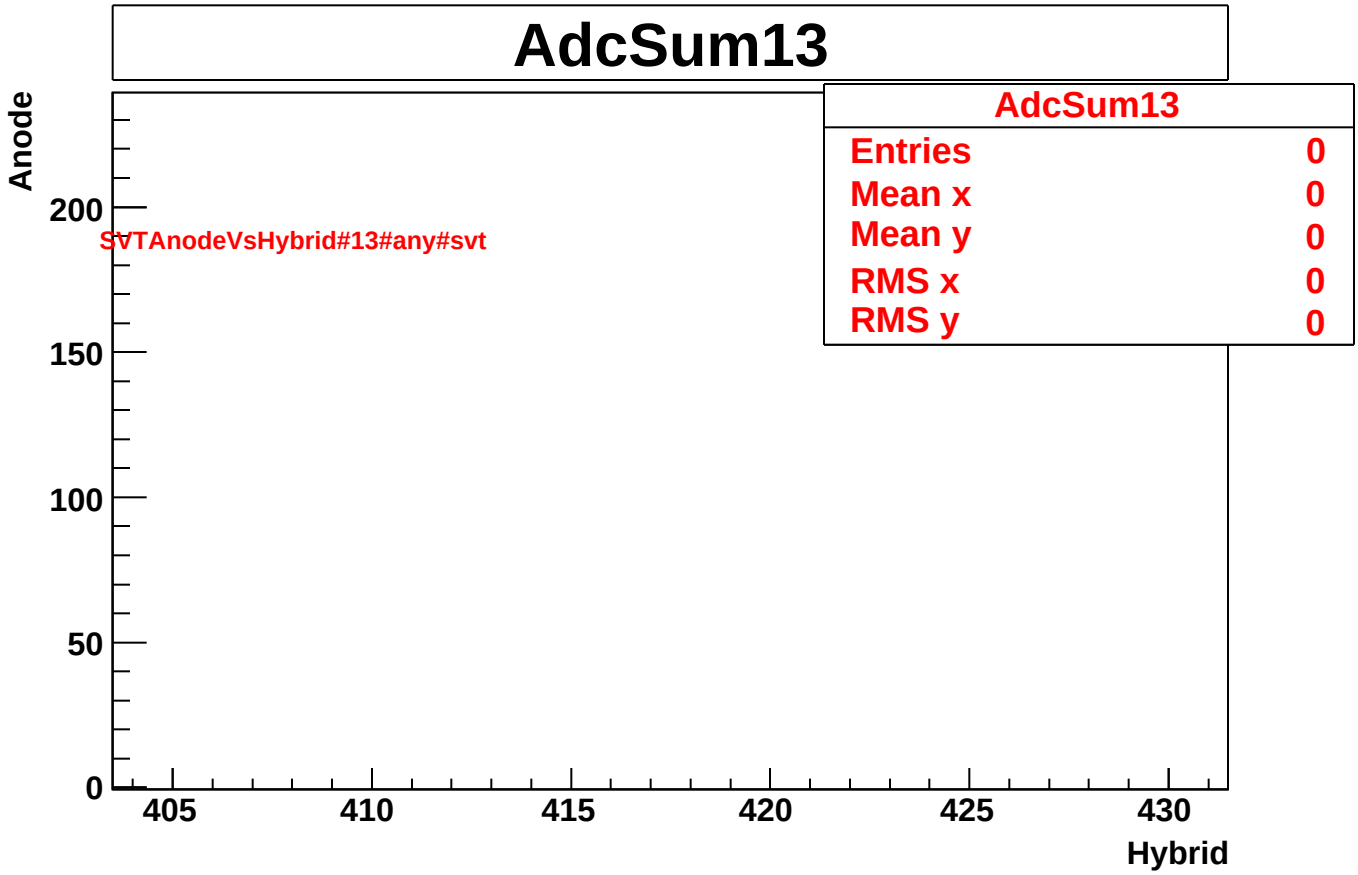
395
400
Hybrid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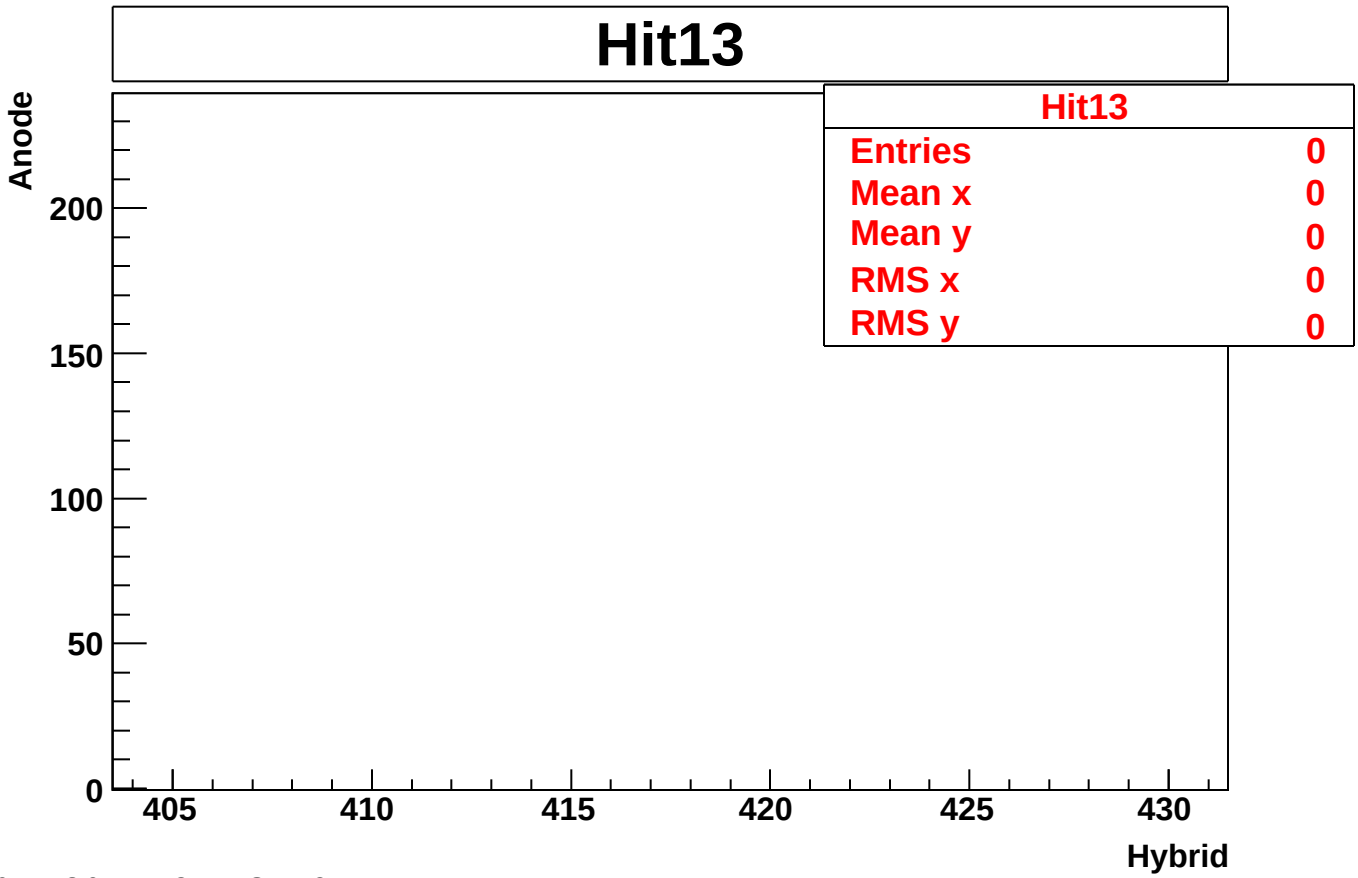
Hybrid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Mean y 0
RMS x 0
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Anode
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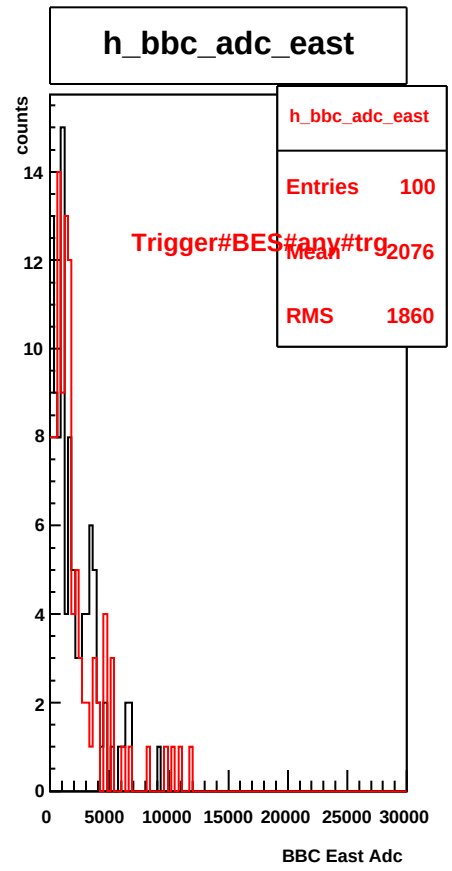
150
200
405
410
415
420
425
430
Hybrid

Ssd#Pedestal#pedestal#ssd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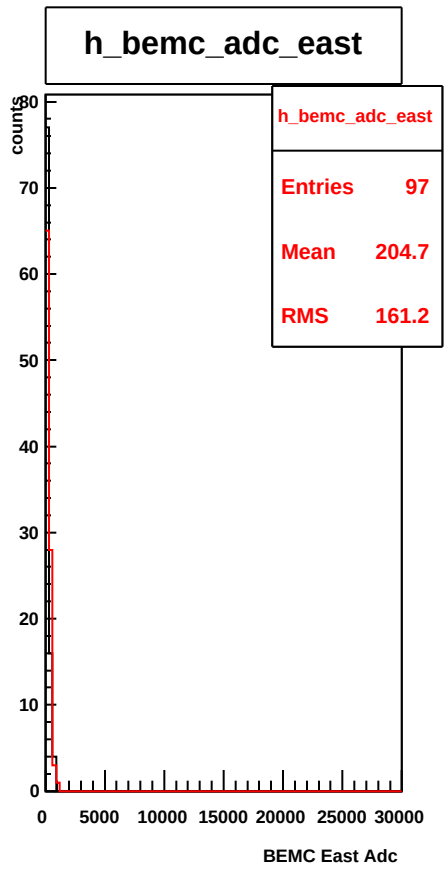
counts
BBC East Adc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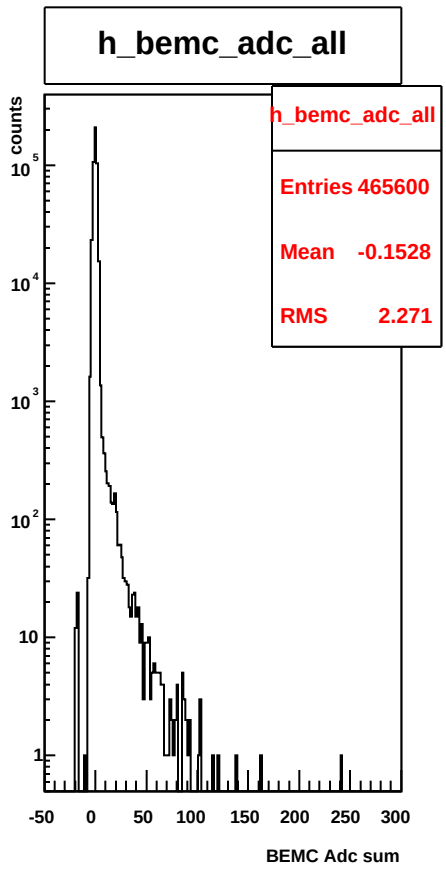
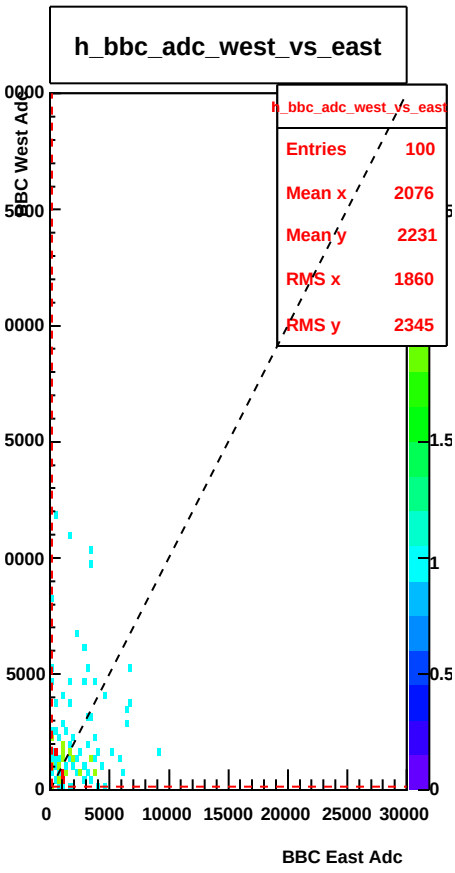
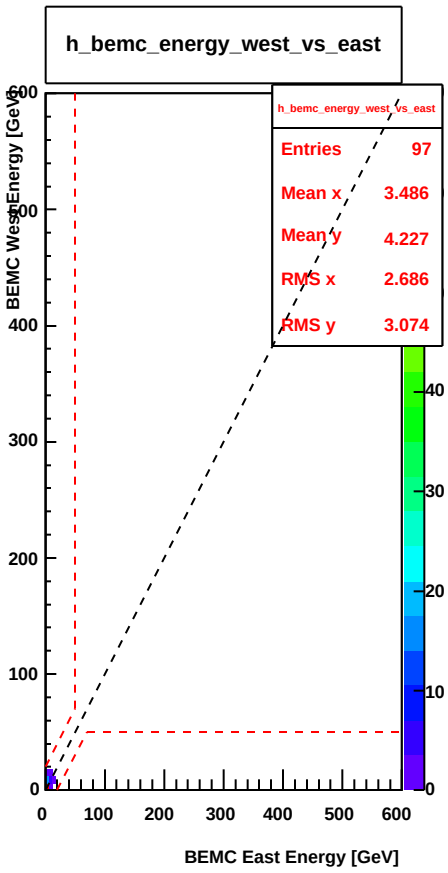
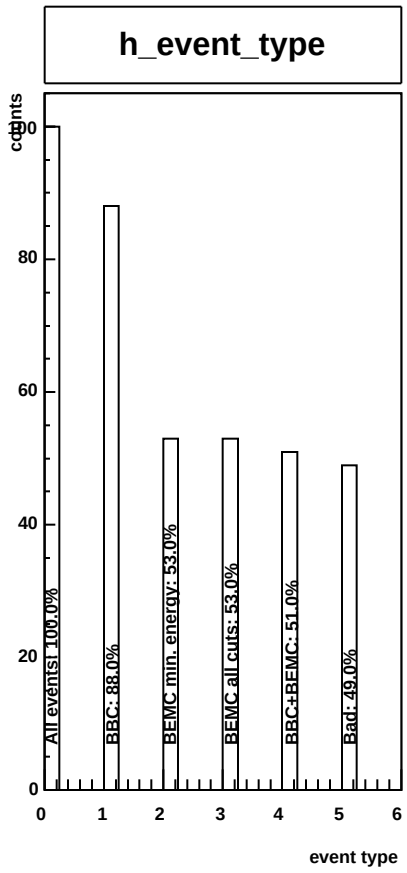
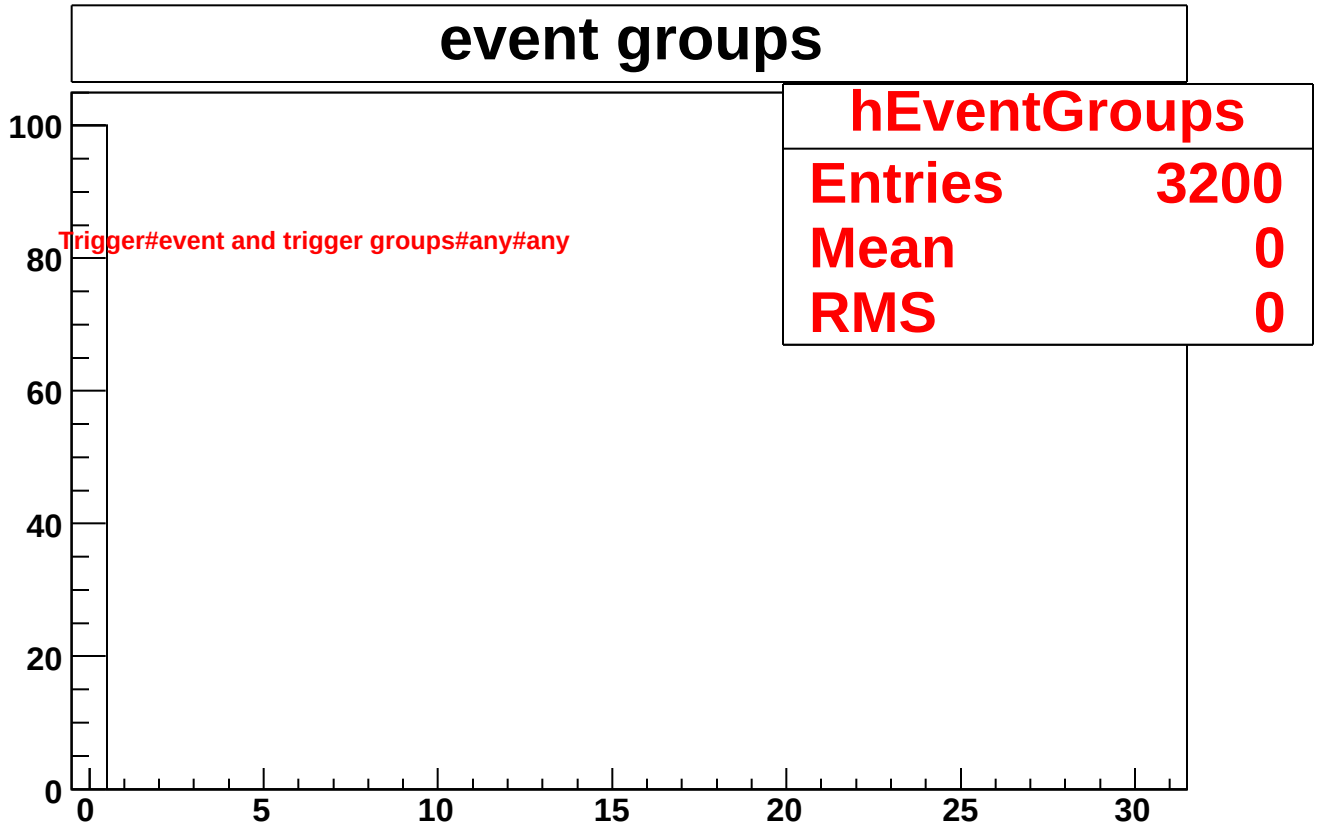
counts
BEMC East Adc

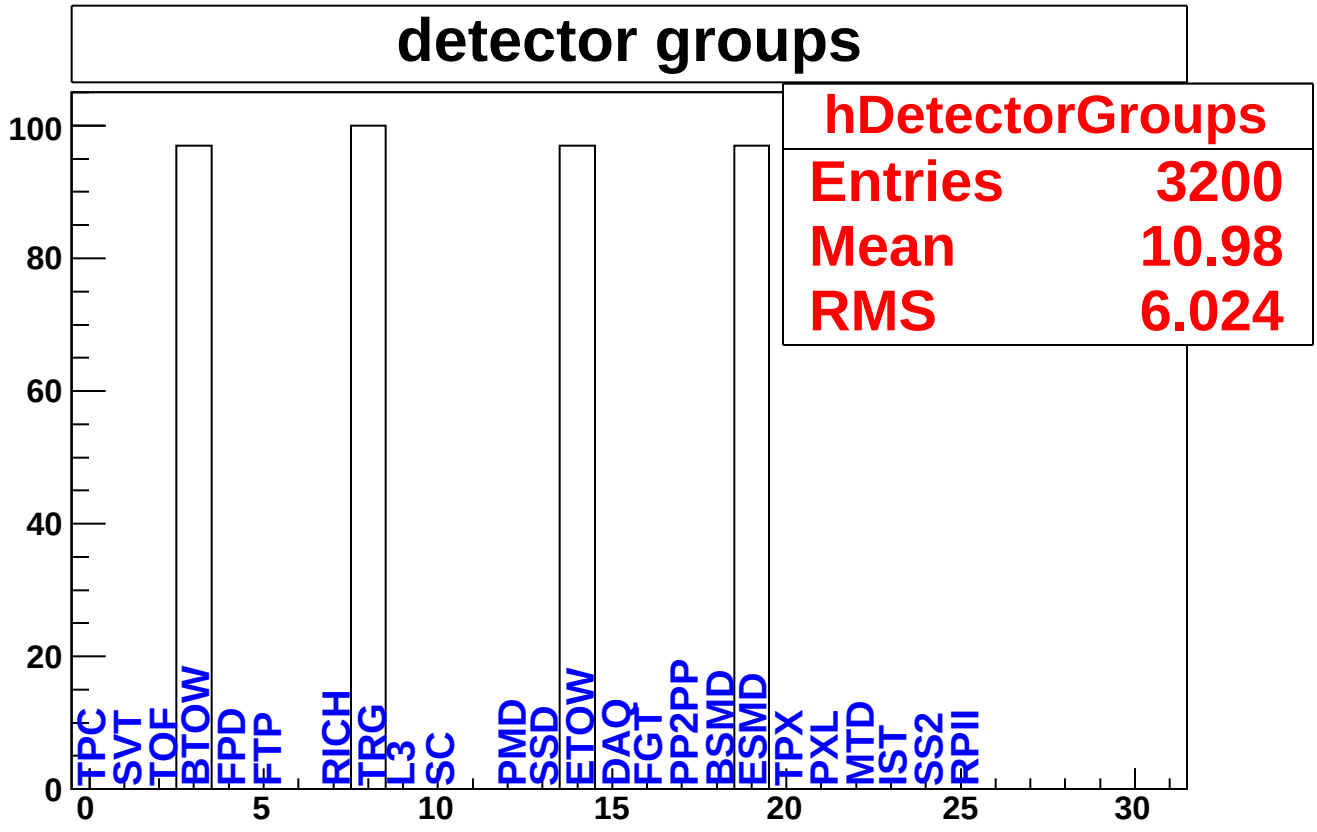

h_bemc_adc_all
h_bemc_adc_all
Entries 465600
Mean -0.1528
RMS 2.271
counts
BEMC Adc sum

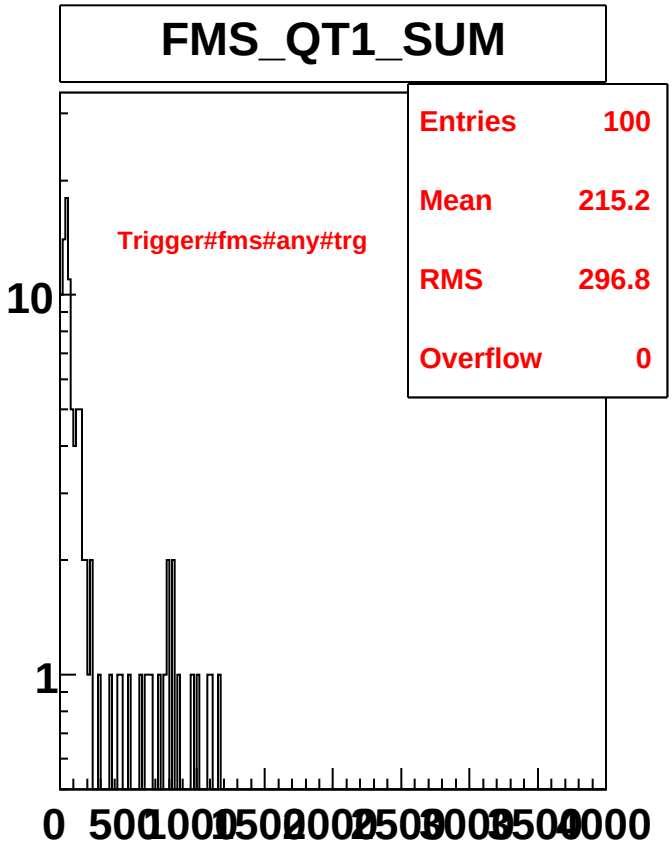

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 100
Mean x 2076
Mean y 2231
RMS x 1860
RMS y 2345
BBC West Adc
BBC East Adc

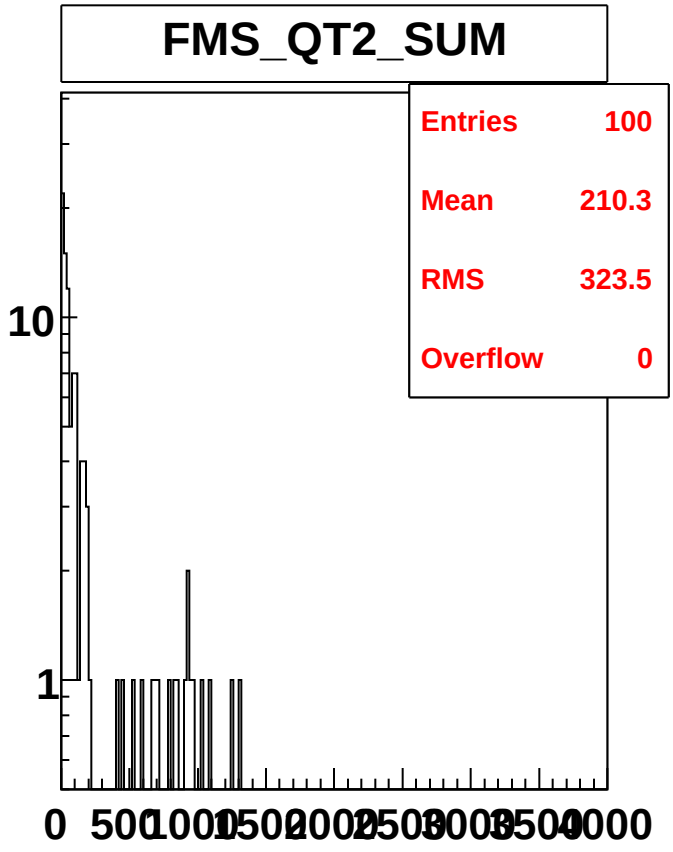

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 97
Mean x 3.486
Mean y 4.227
RMS x 2.686
RMS y 3.074
BEMC West Energy [GeV]
BEMC East Energy [GeV]

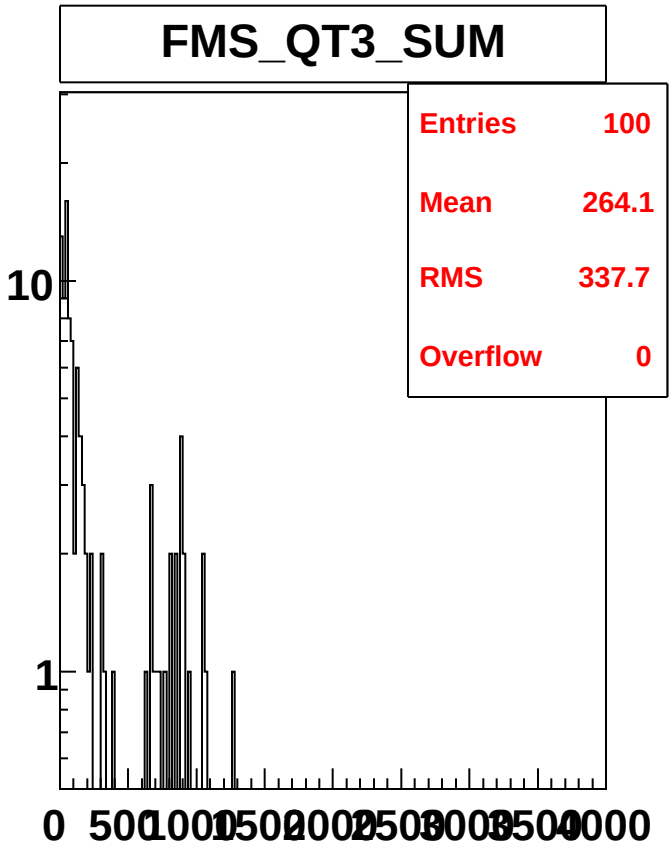

h_event_type
counts
All events: 100.0%
BBC: 88.0%
BEMC min. energy: 53.0%
BEMC all cuts: 53.0%
BBC+BEMC: 51.0%
Bad: 49.0%
event type

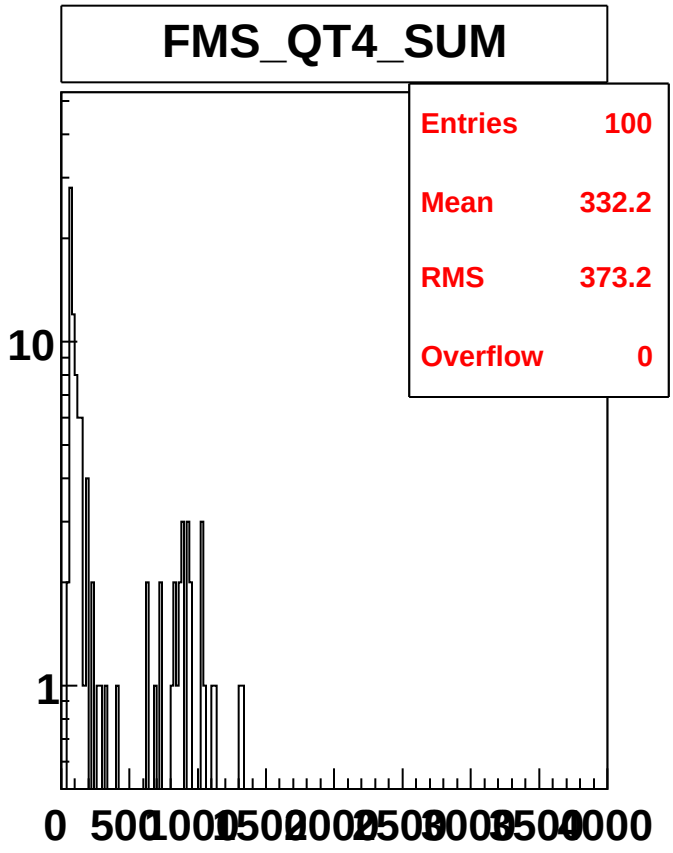

event groups
hEventGroups
Entries 3200
Mean 0
RMS 0
Trigger#event and trigger groups#any#any
100
80
60
40
20
0
0
5
10
15
20
25
30

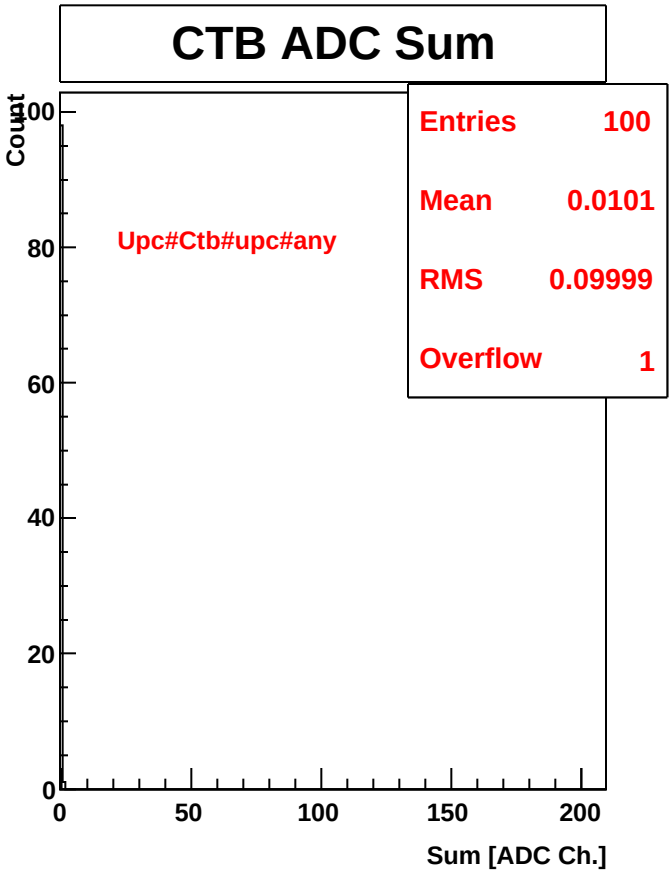

detector groups
hDetectorGroups
Entries 3200
Mean 10.98
RMS 6.024
100
80
60
40
20
0
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
5
10
15
20
25
30

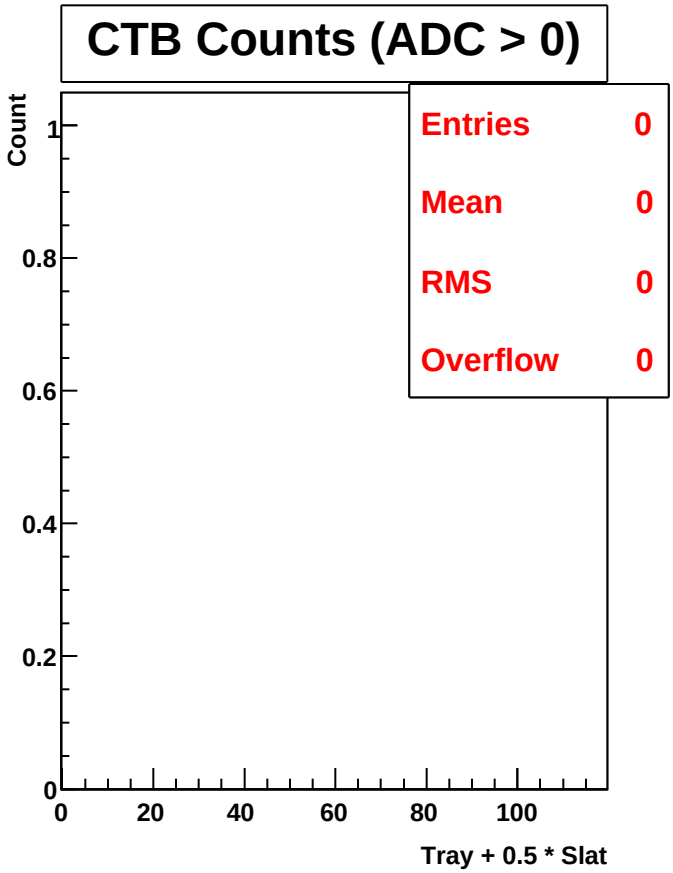

FMS_QT1_SUM
Trigger#fms#any#trg
Entries 100
Mean 215.2
RMS 296.8
Overflow 0
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

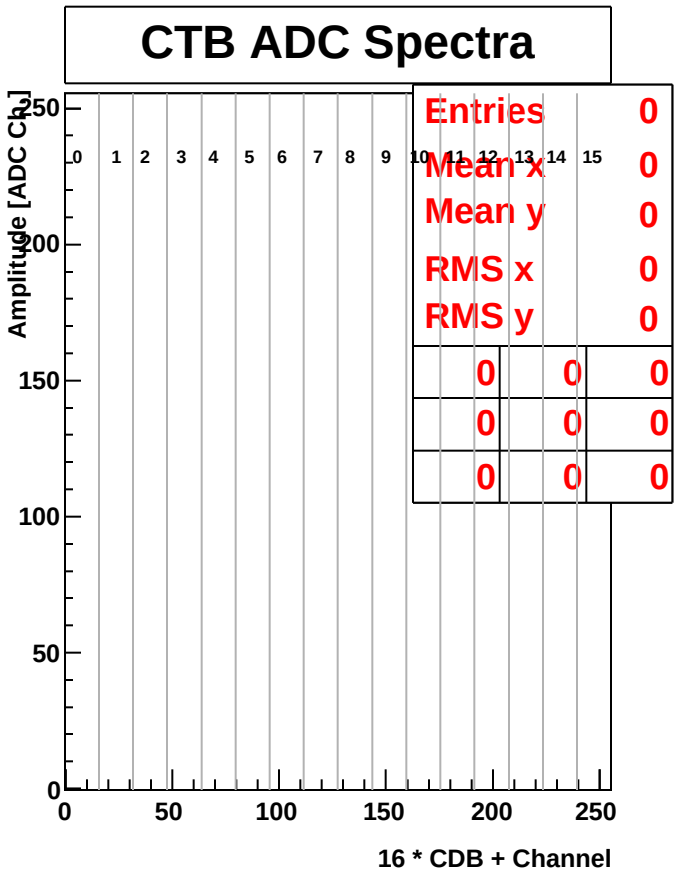

FMS_QT2_SUM
Entries 100
Mean 210.3
RMS 323.5
Overflow 0
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

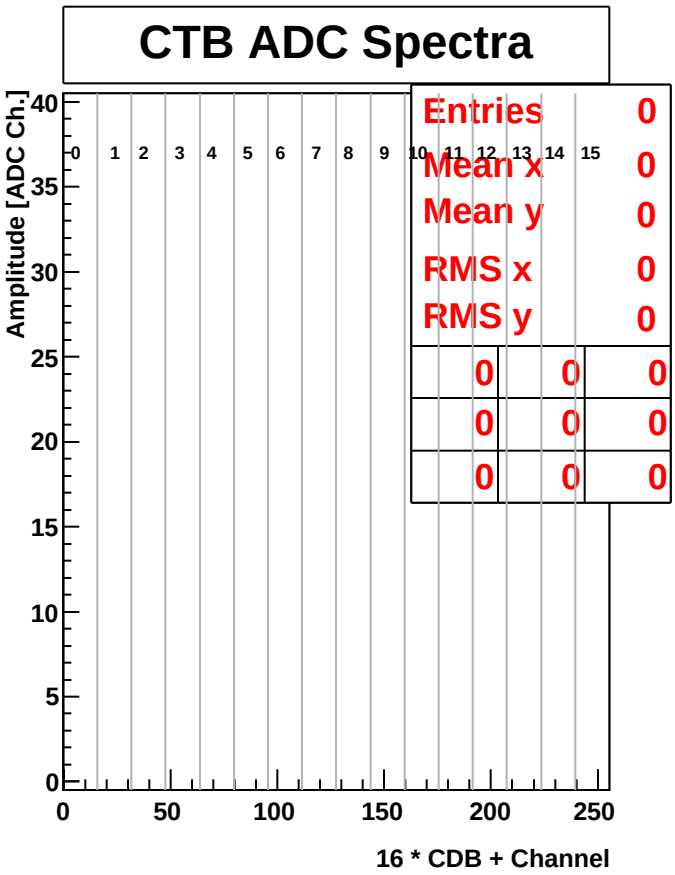

FMS_QT3_SUM
Entries 100
Mean 264.1
RMS 337.7
Overflow 0
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

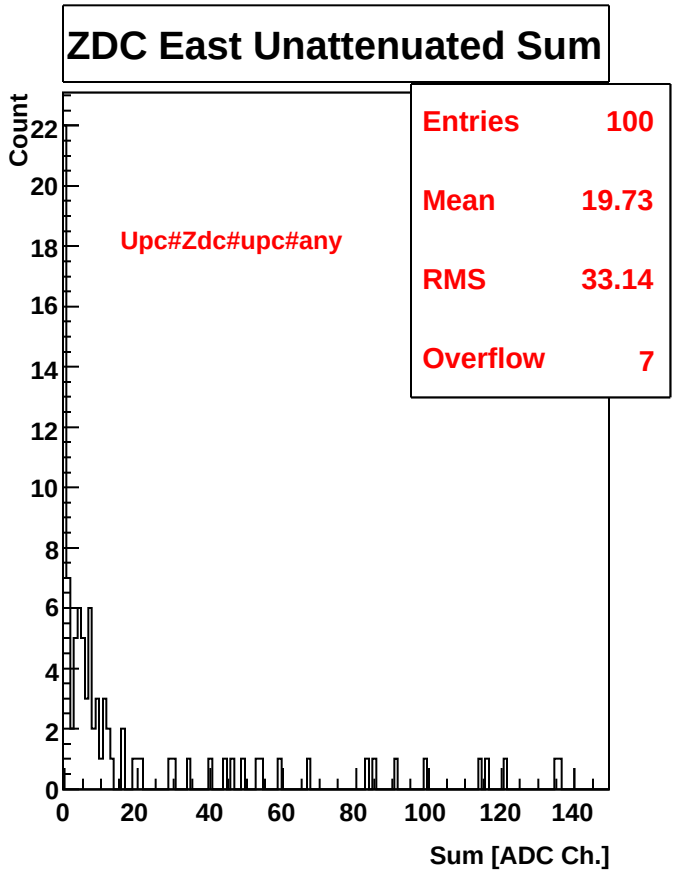

FMS_QT4_SUM
Entries 100
Mean 332.2
RMS 373.2
Overflow 0
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

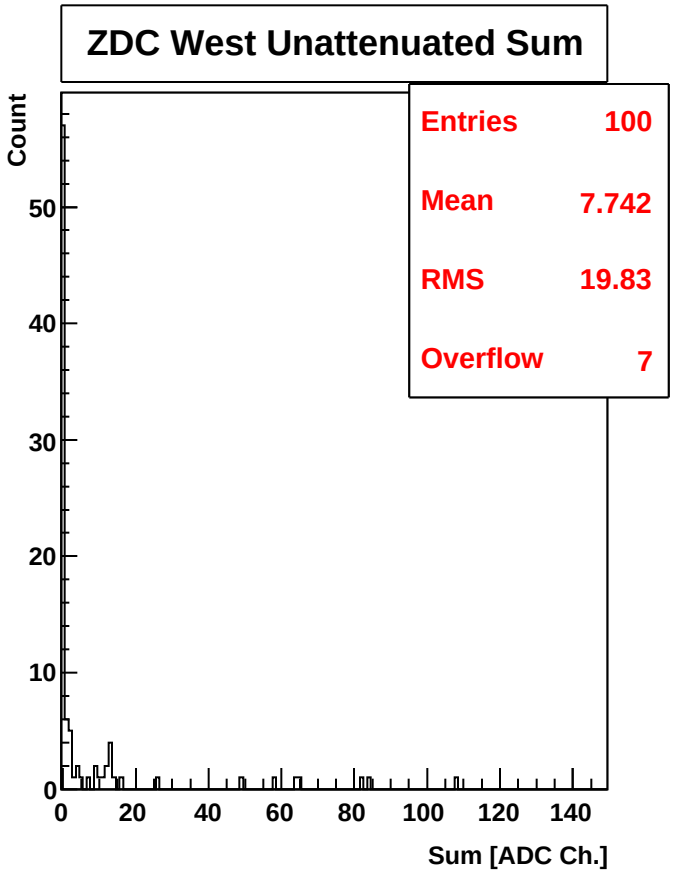

CTB ADC Sum
Entries 100
Mean 0.0101
RMS 0.09999
Overflow 1
Upc#Ctb#upc#any
Count
Sum [ADC Ch.]

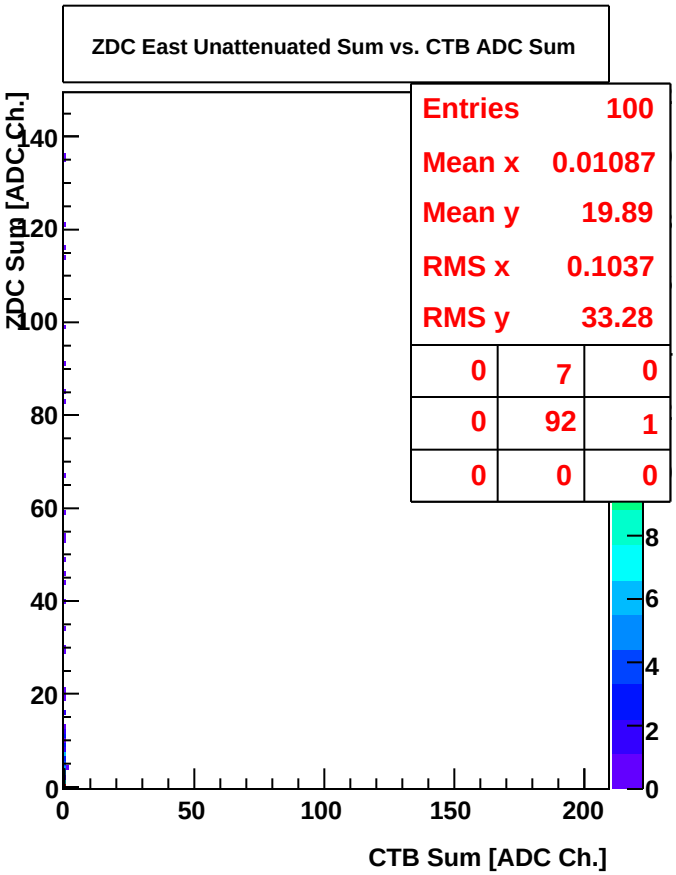

CTB Counts (ADC > 0)
Entries 0
Mean 0
RMS 0
Overflow 0
Count
Tray + 0.5 * Slat

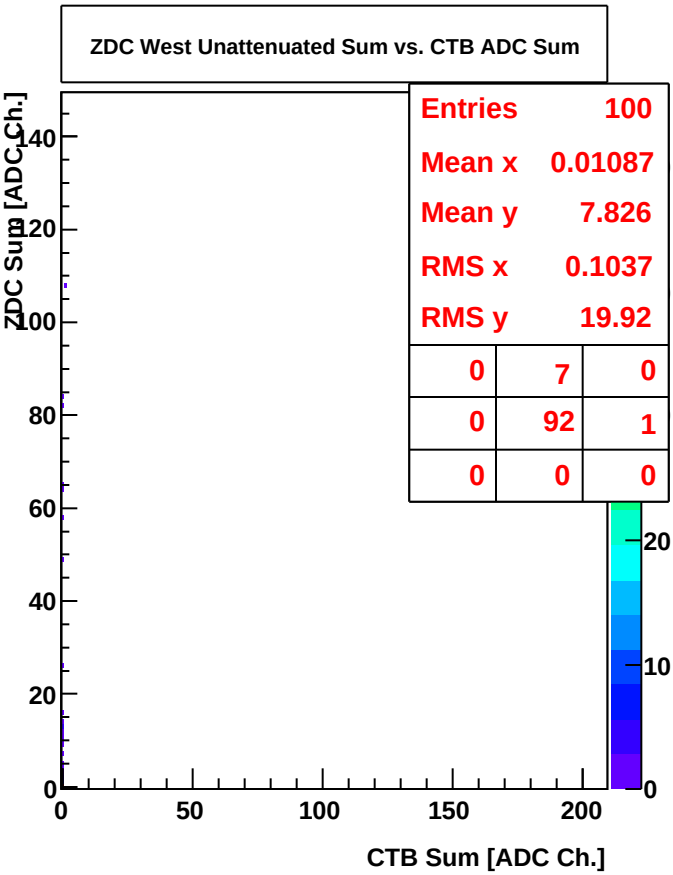

CTB ADC Spectra
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Amplitude [ADC Ch.]
16 * CDB + Channel


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


ZDC East Unattenuated Sum
Entries 100
Mean 19.73
RMS 33.14
Overflow 7
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 100
Mean 7.742
RMS 19.83
Overflow 7
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 100
Mean x 0.01087
Mean y 19.89
RMS x 0.1037
RMS y 33.28
0 7 0
0 92 1
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 100
Mean x 0.01087
Mean y 7.826
RMS x 0.1037
RMS y 19.92
0 7 0
0 92 1
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]