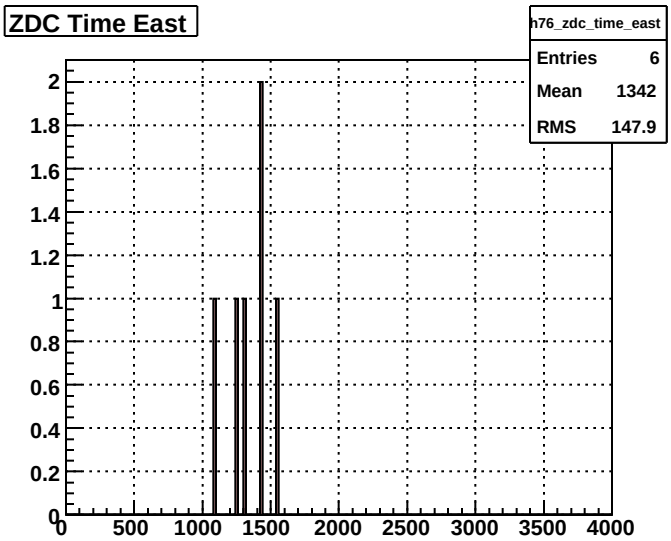
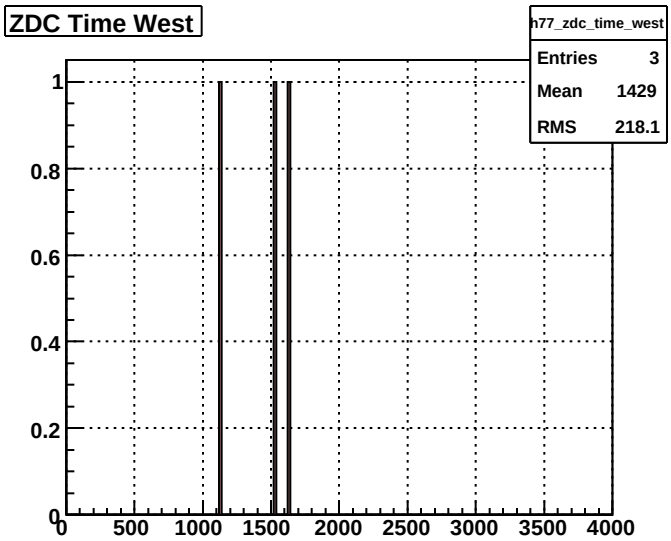
Run: #12058059

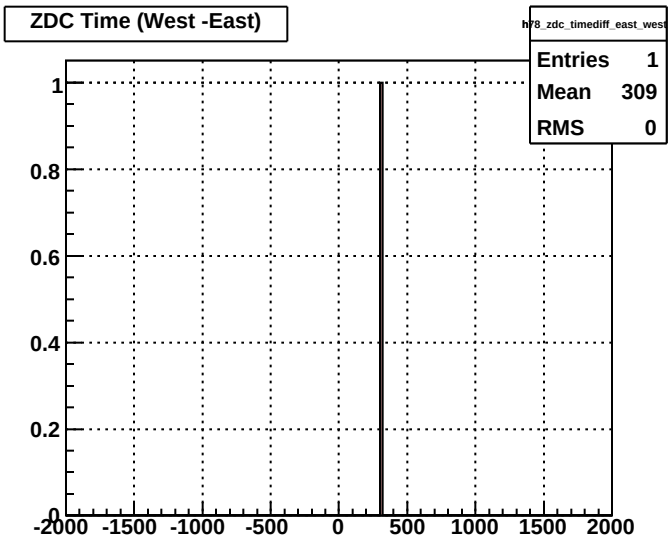
TriggerBits: 11111111 11111111 11111111 11111111

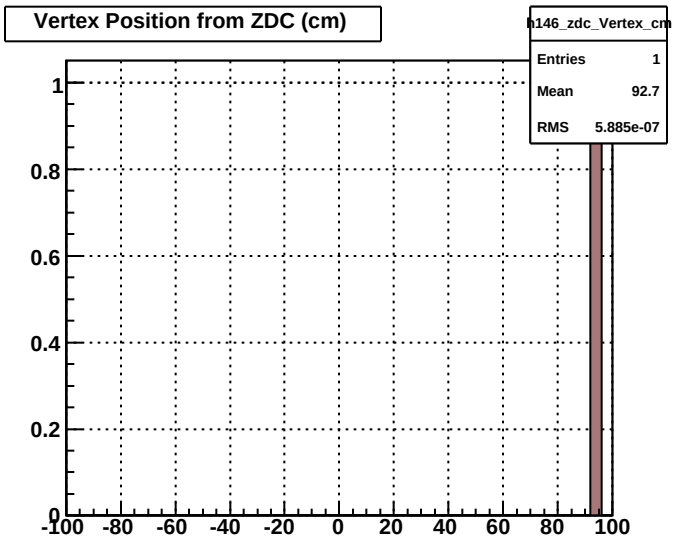
DetectorBits: 00000000 00001000 01000001 00001000

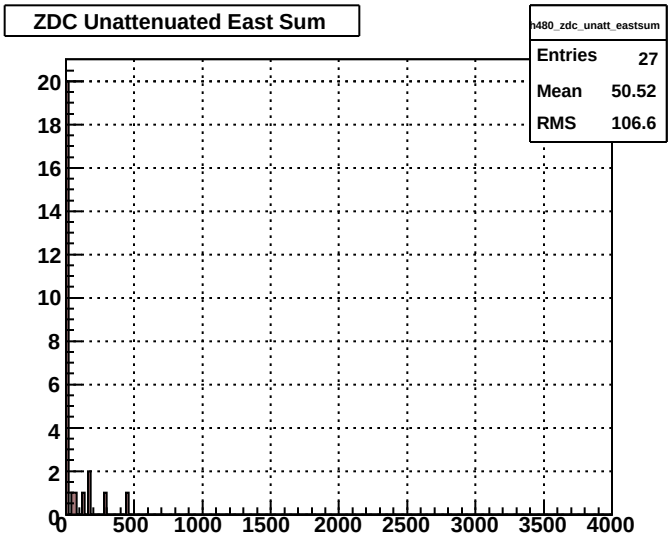
Sun Feb 27 22:19:57 2011

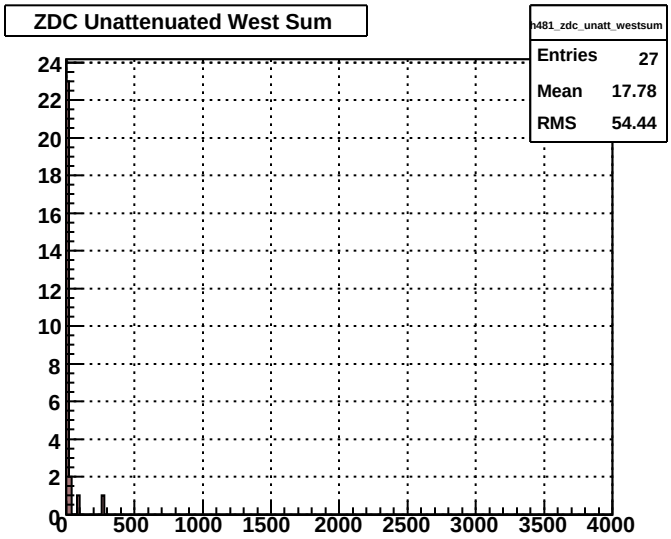

ZDC Time East
h76_zdc_time_east
Entries 6
Mean 1342
RMS 147.9

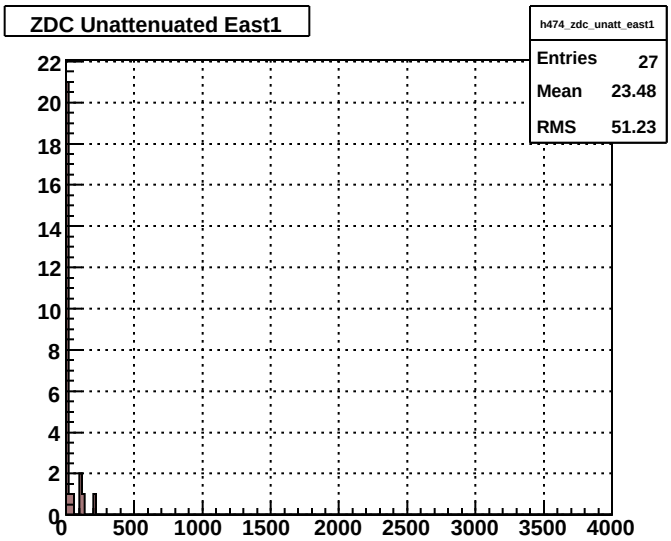

ZDC Time West
h77_zdc_time_west
Entries 3
Mean 1429
RMS 218.1

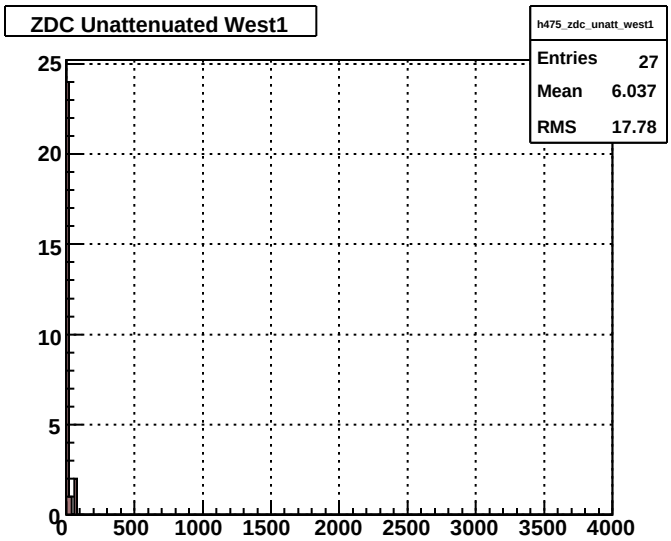

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 1
Mean 309
RMS 0

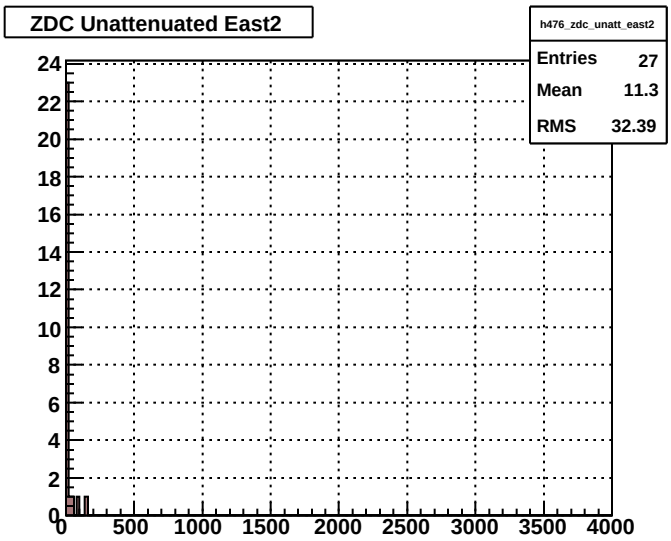

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 1
Mean 92.7
RMS 5.885e-07

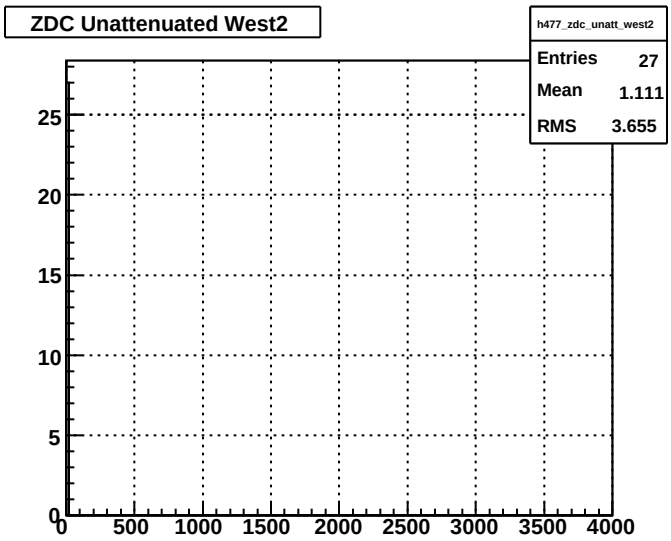

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 27
Mean 50.52
RMS 106.6

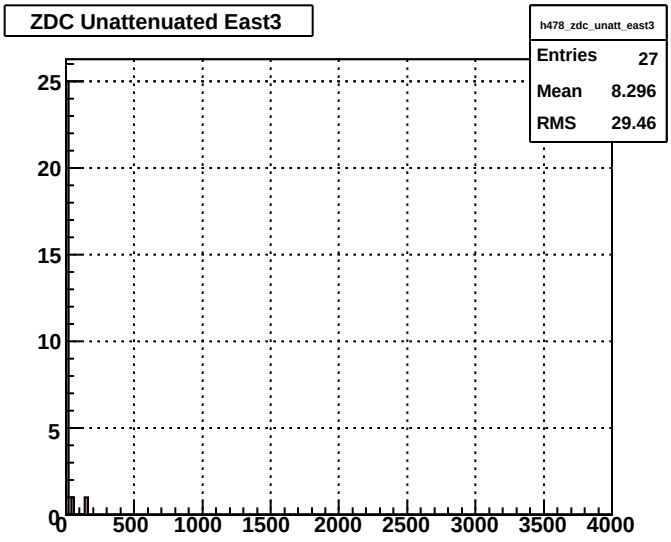

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 27
Mean 17.78
RMS 54.44

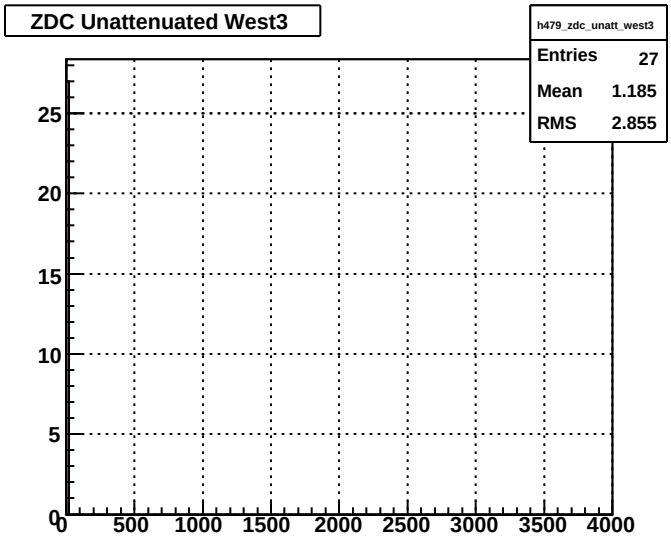

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 27
Mean 23.48
RMS 51.23

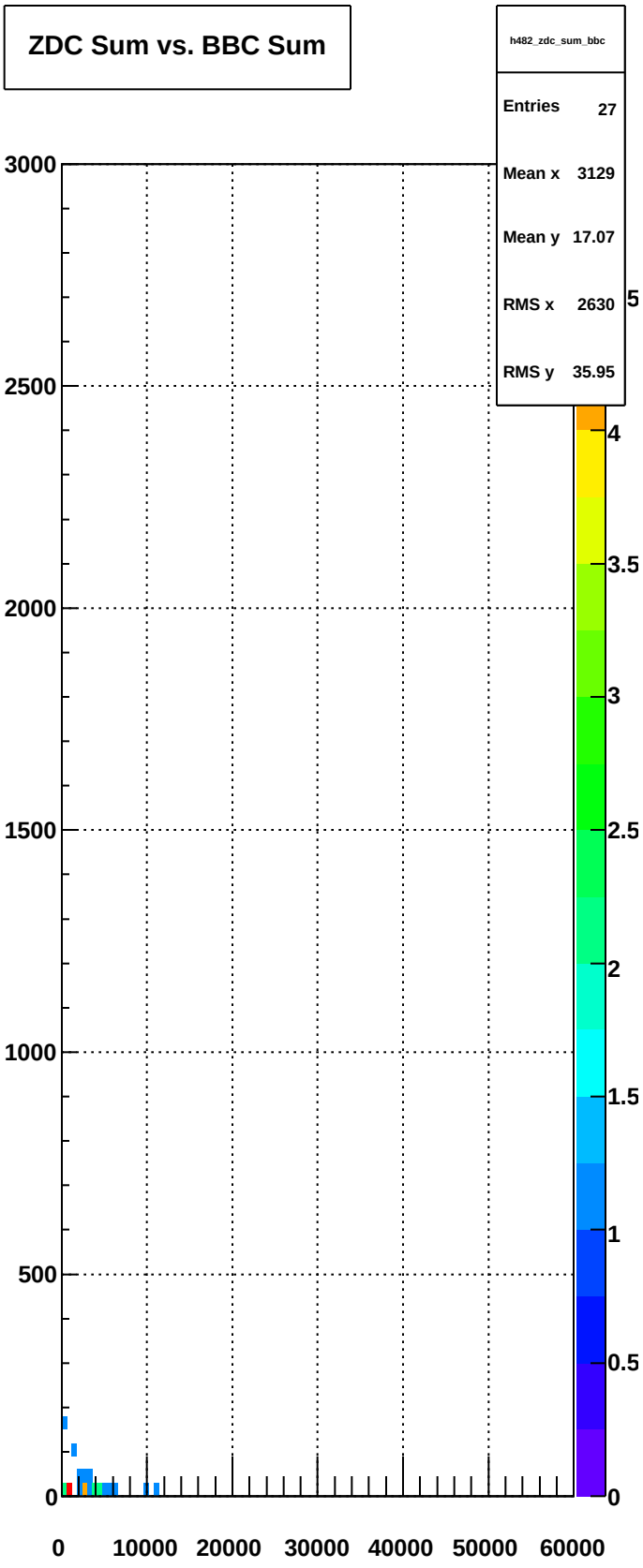

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 27
Mean 6.037
RMS 17.78

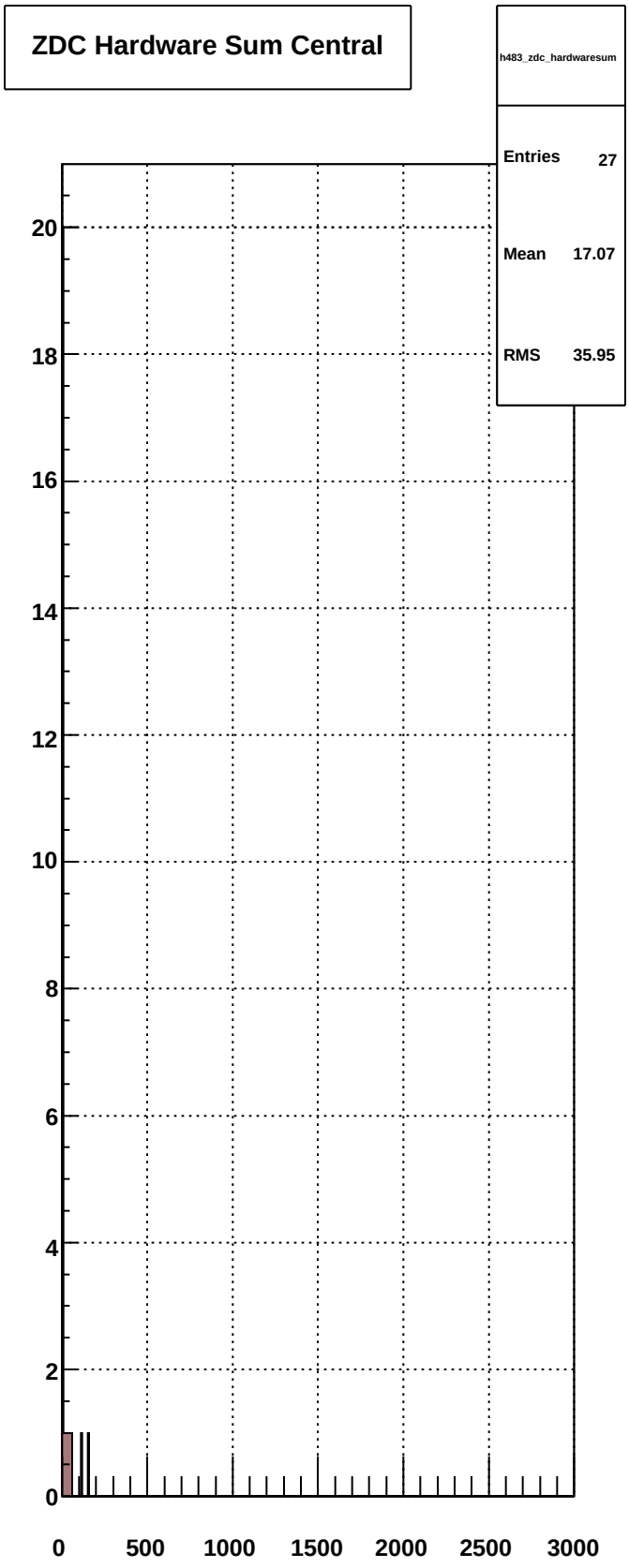

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 27
Mean 11.3
RMS 32.39

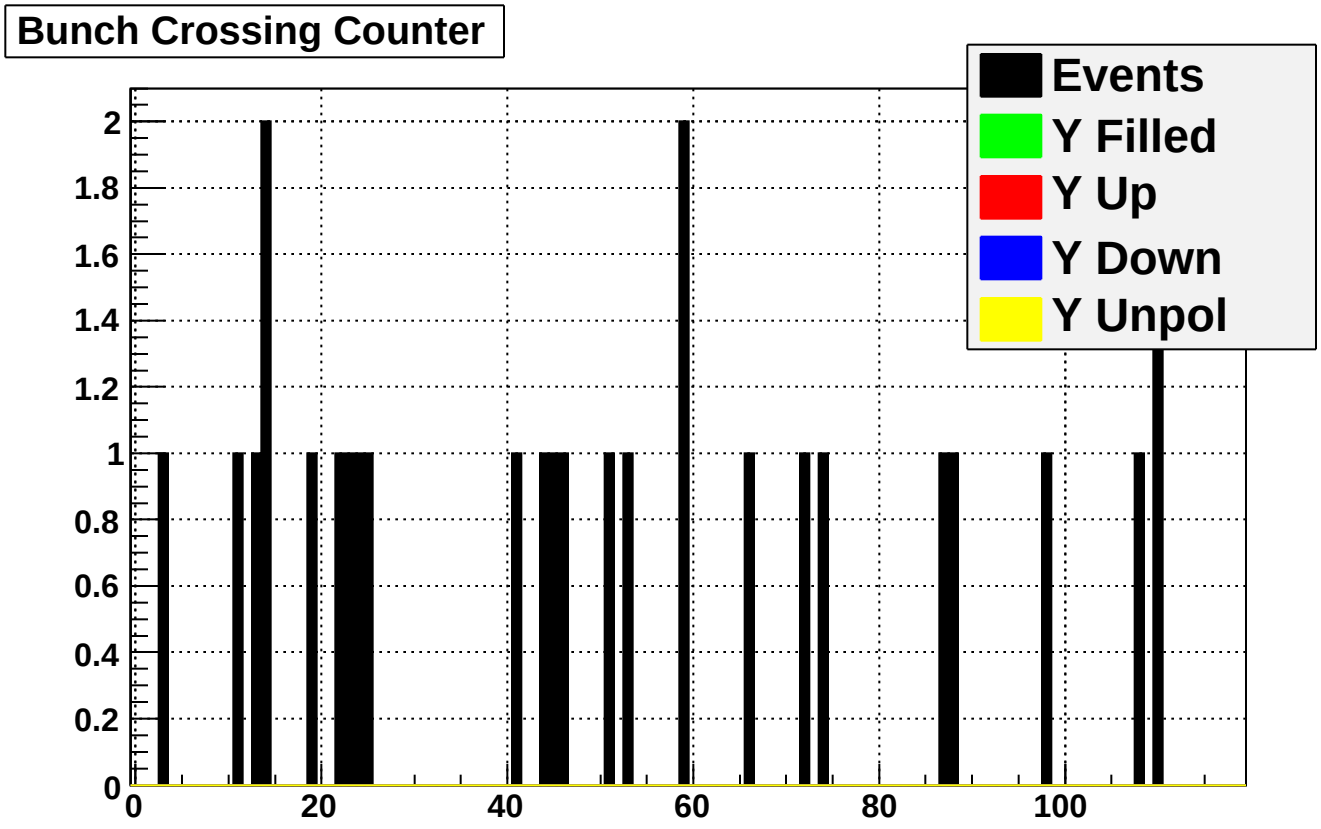

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 27
Mean 1.111
RMS 3.655

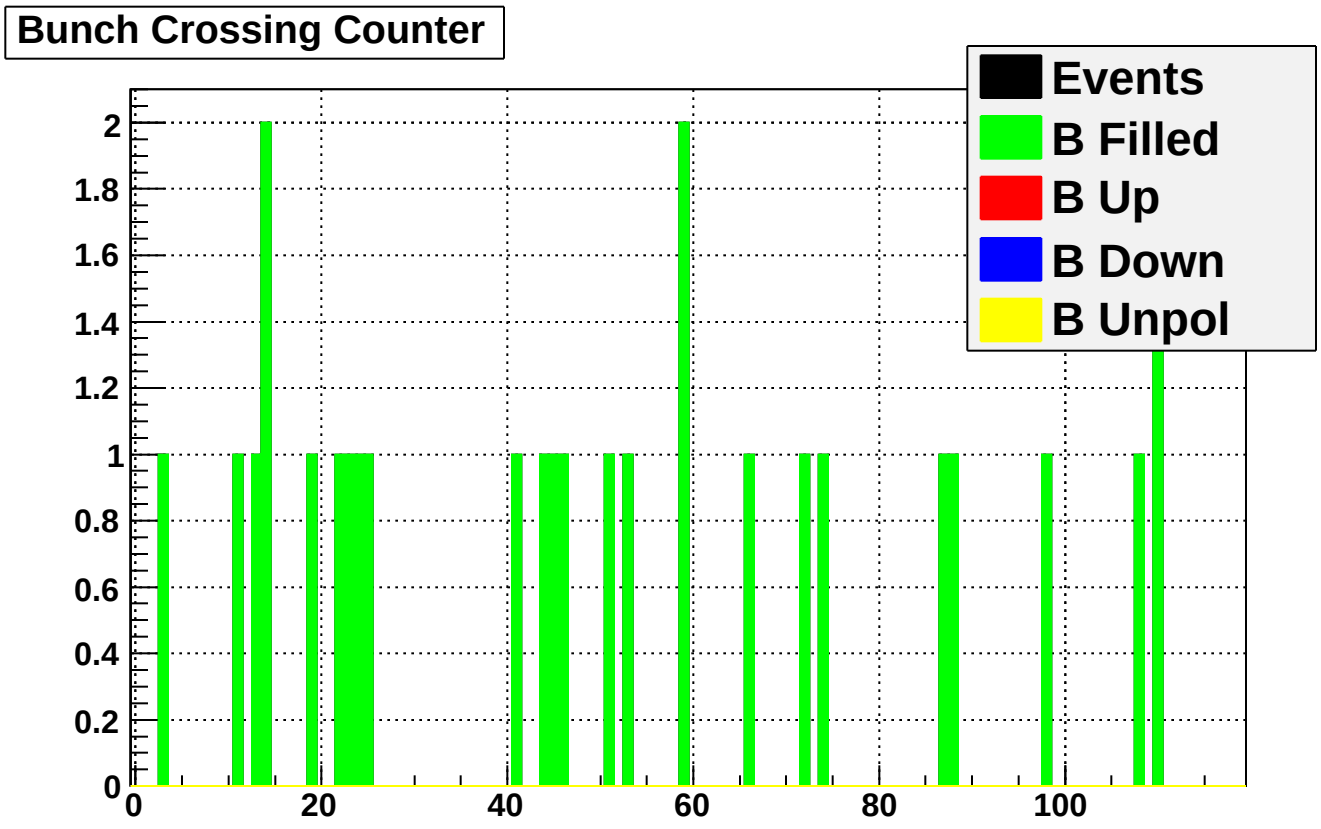

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 27
Mean 8.296
RMS 29.46

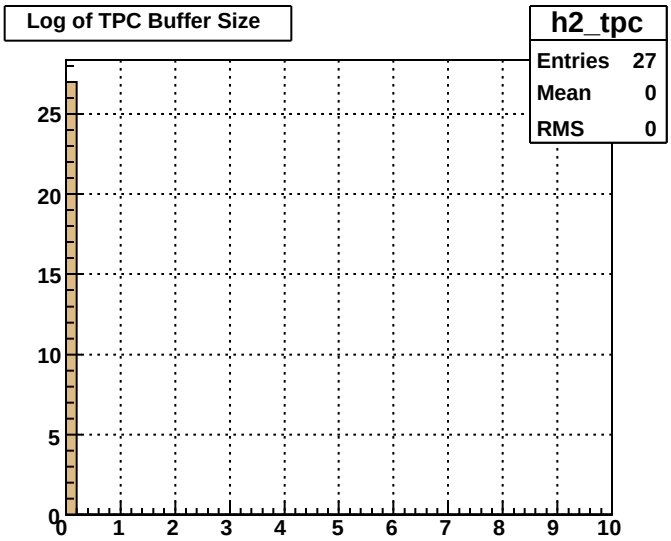

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 27
Mean 1.185
RMS 2.855

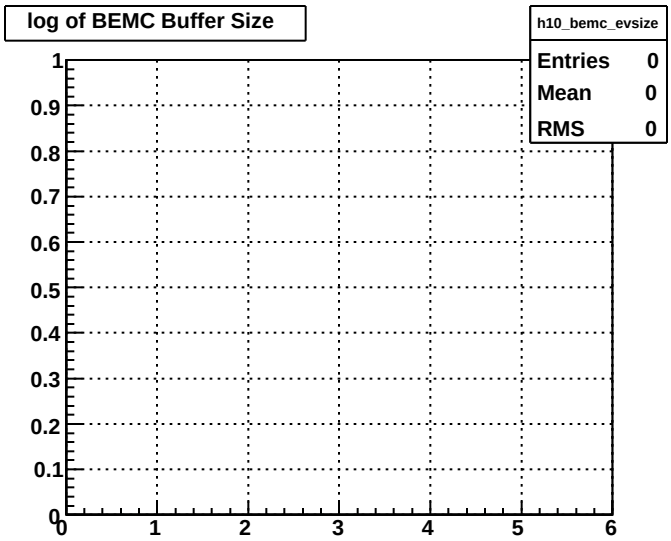

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 27
Mean x 3129
Mean y 17.07
RMS x 2630
RMS y 35.95
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
5
4
3.5
3
2.5
2
1.5
1
0.5
0

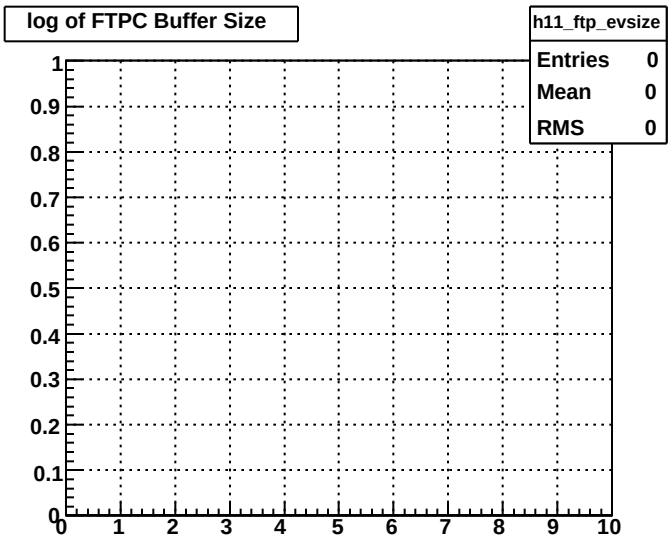

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 27
Mean 17.07
RMS 35.95
20
18
16
14
12
10
8
6
4
2
0
0
500
1000
1500
2000
2500
3000

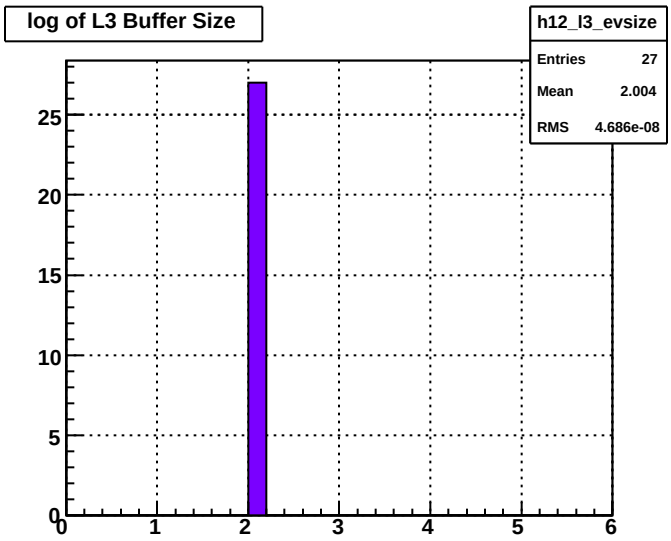

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
20
40
60
80
100

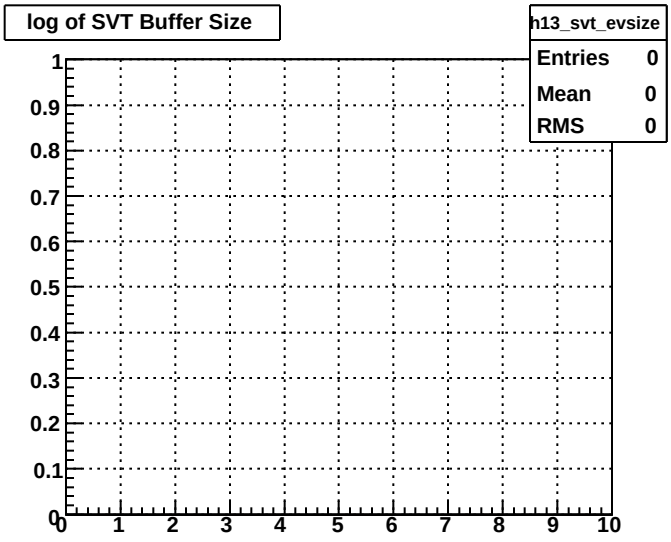

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
0.2
0.4
0.6
0.8
1
1.2
1.4
1.6
1.8
2
0
20
40
60
80
100

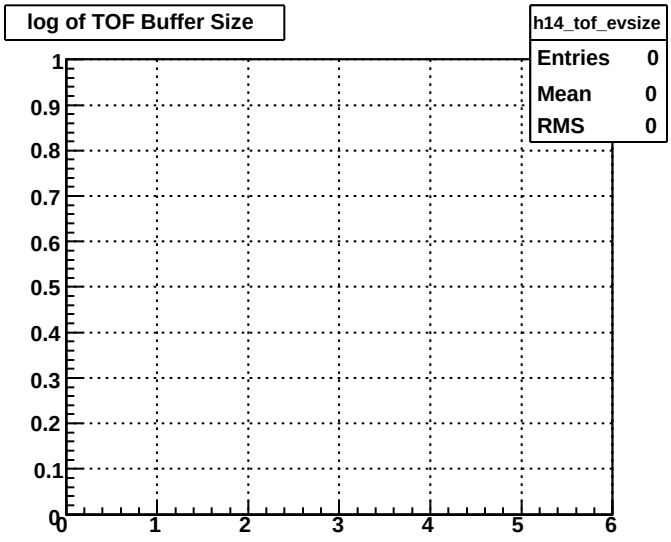

Log of TPC Buffer Size
h2_tpc
Entries 27
Mean 0
RMS 0

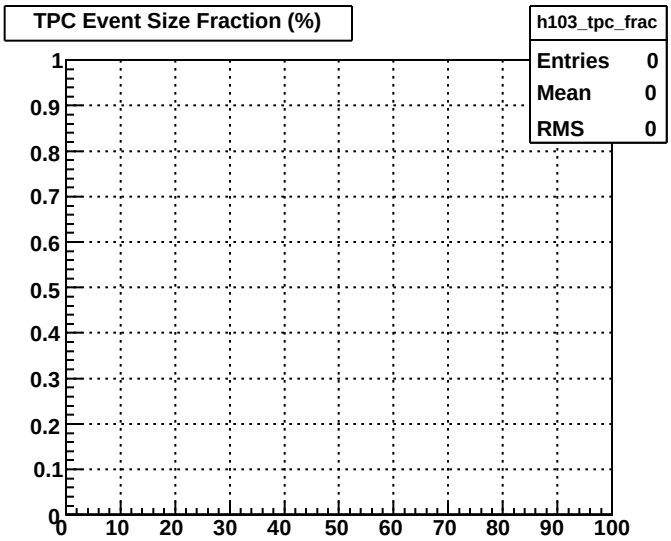

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

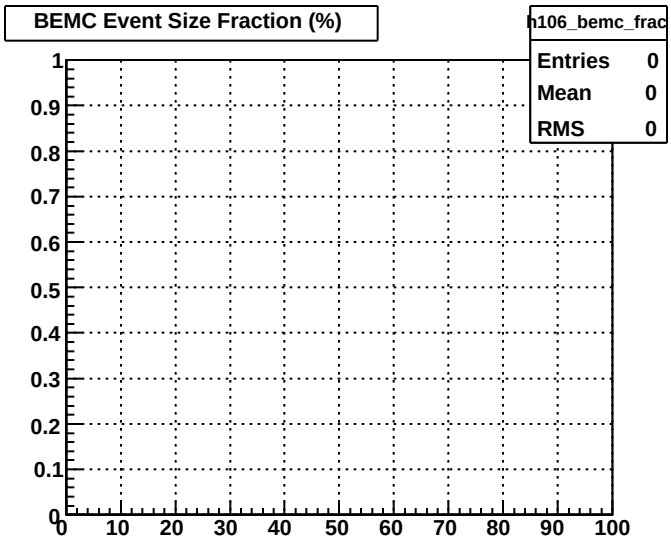

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

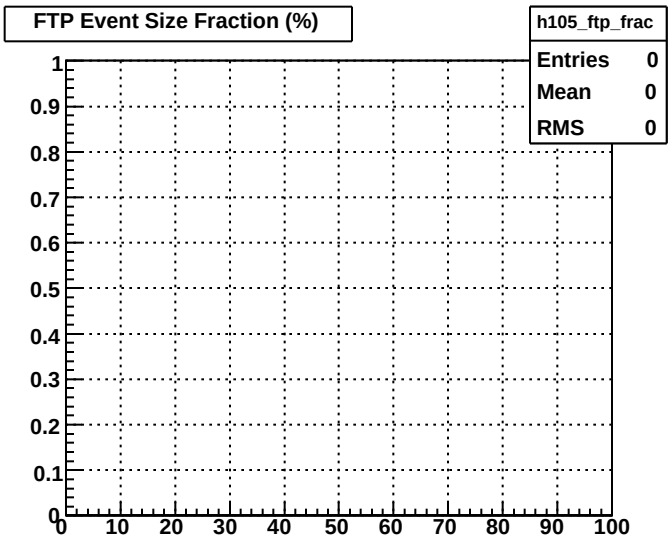

log of L3 Buffer Size
h12_l3_evsize
Entries 27
Mean 2.004
RMS 4.686e-08

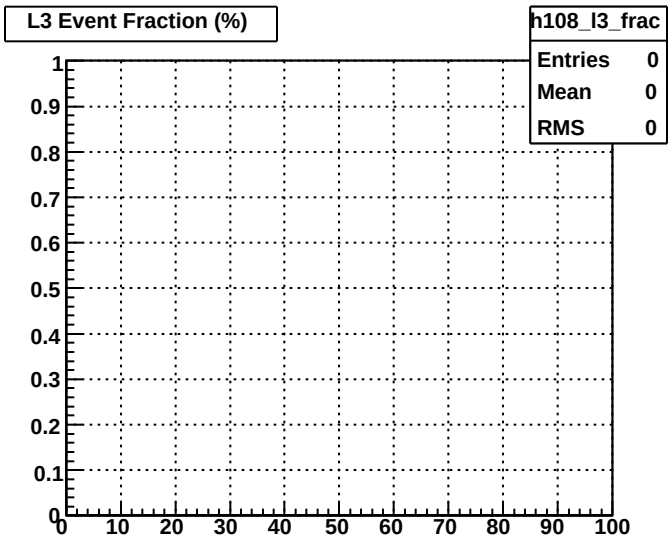

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

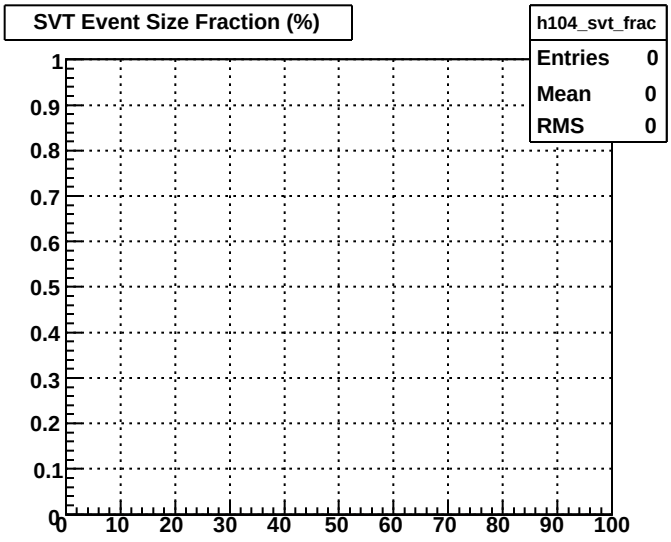

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

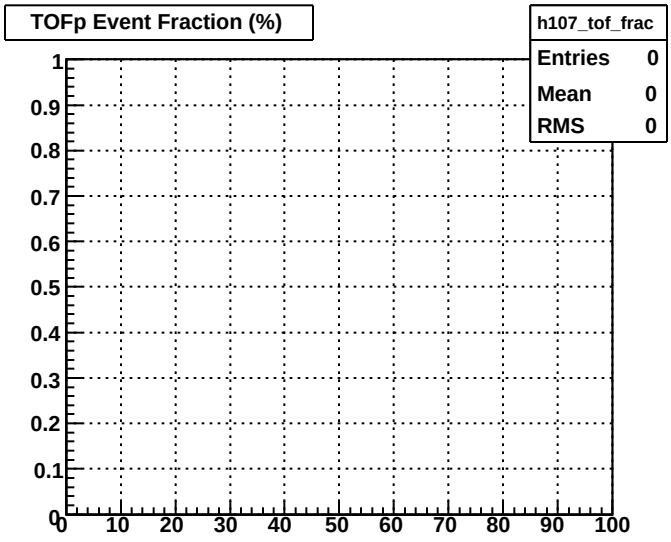

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

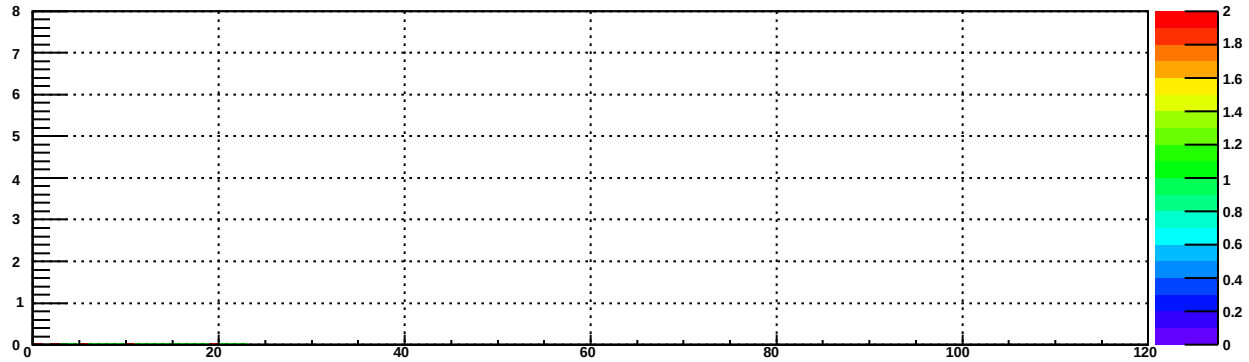

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

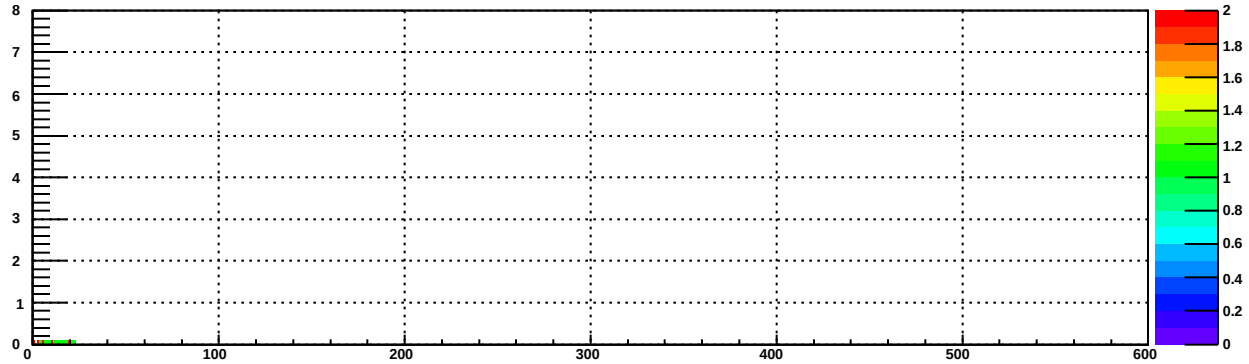

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

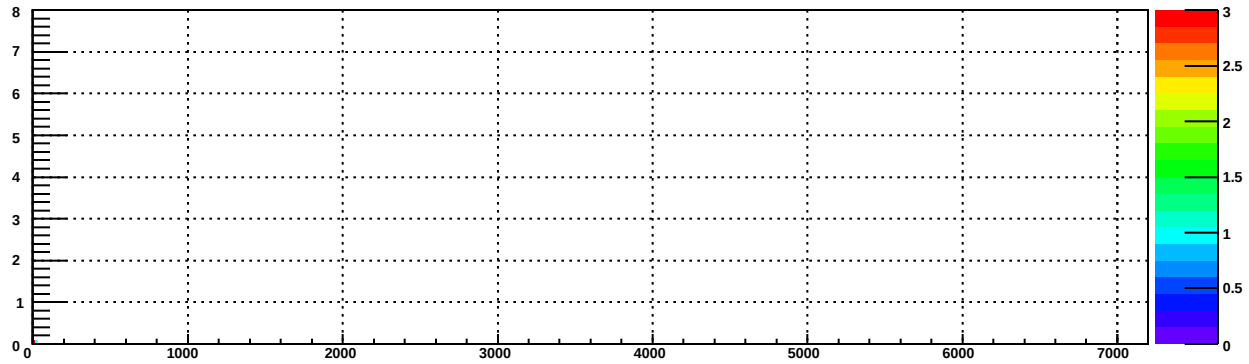
Event Size (Log10) vs time (sec)



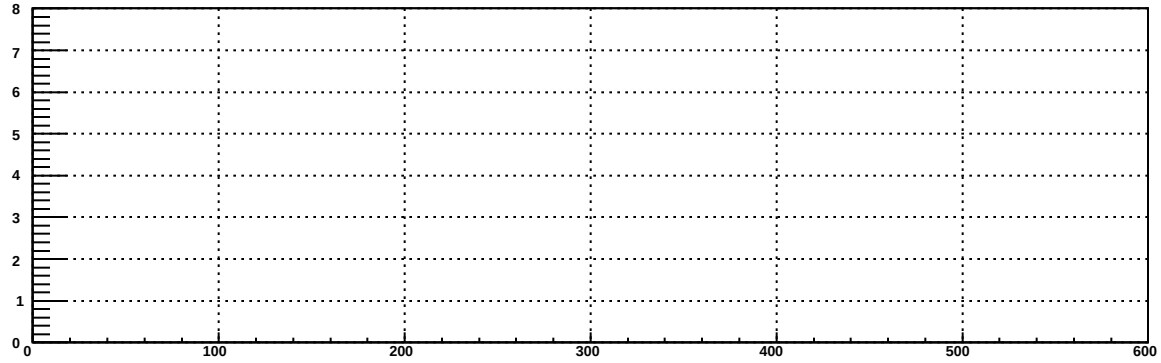
Event Size (Log10) vs time (sec)

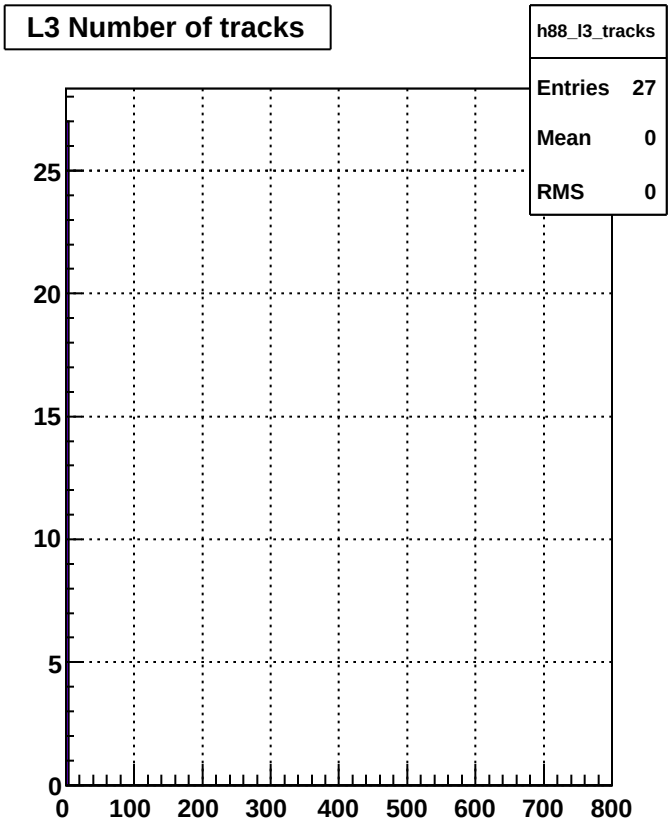


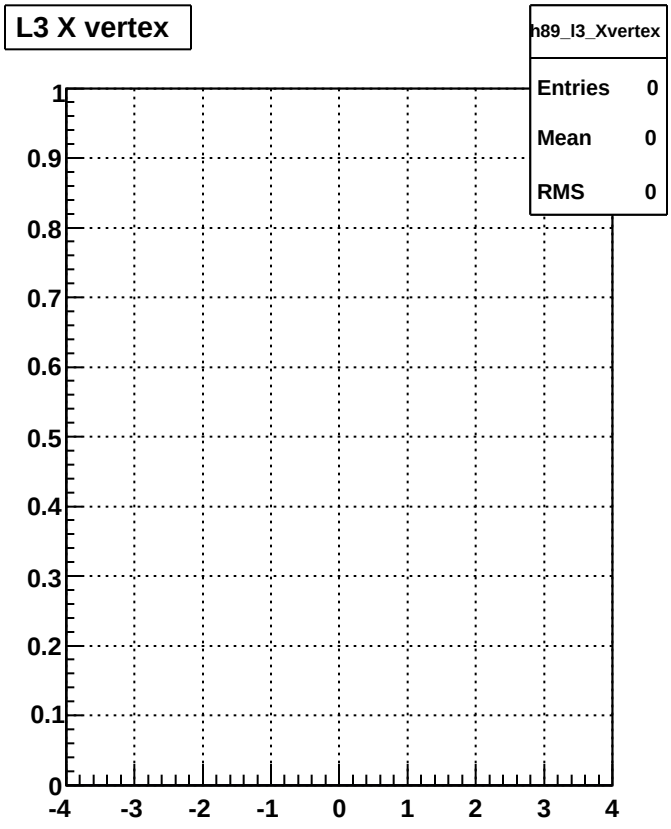
Event Size (Log10) vs time(sec)

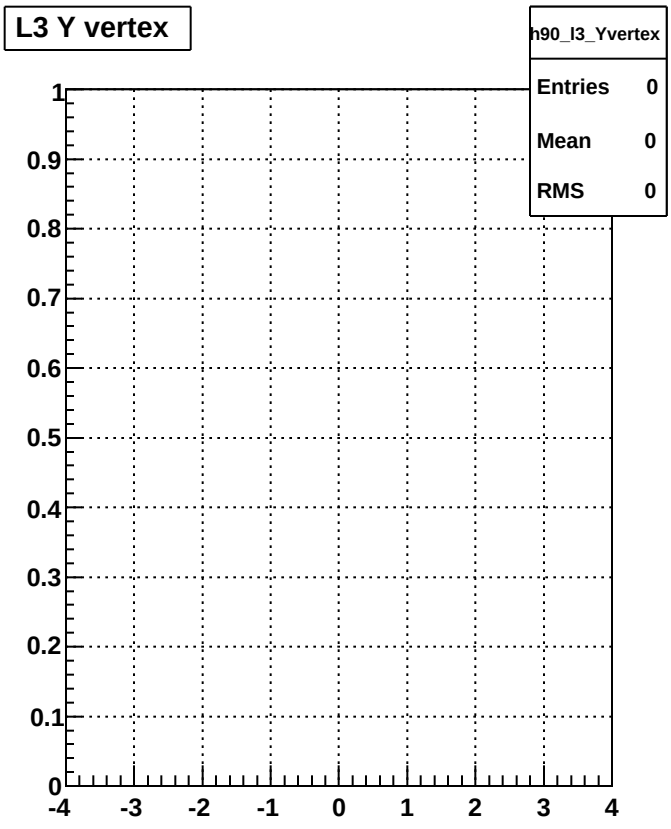


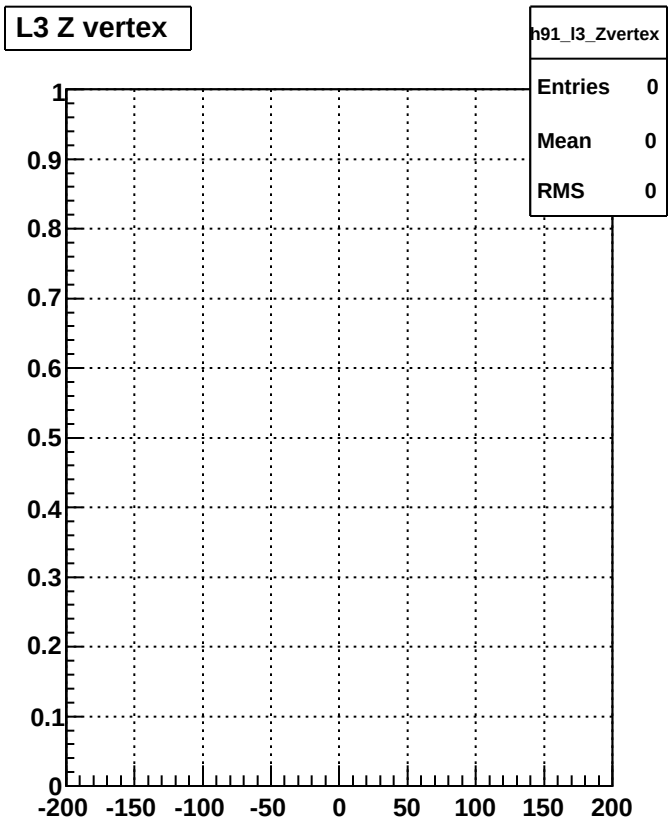
FTPC Event Size vs time(sec)



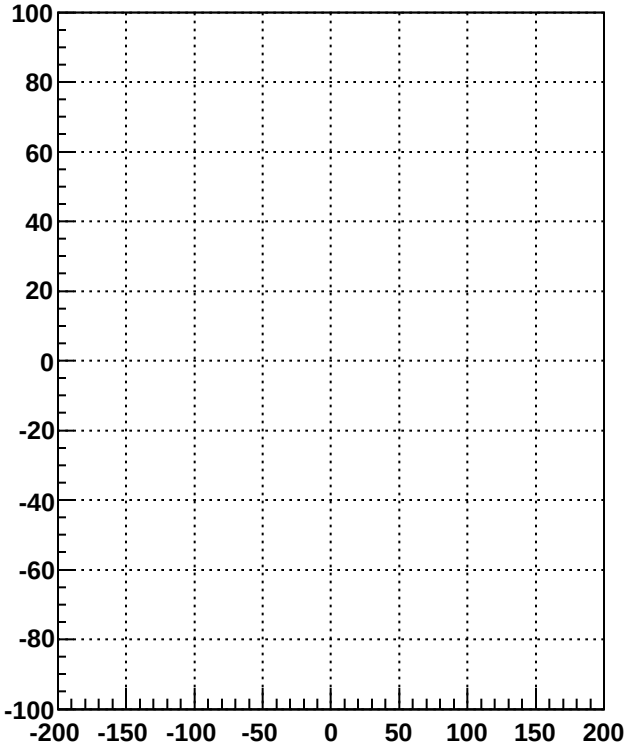

L3 Number of tracks
h88_l3_tracks
Entries 27
Mean 0
RMS 0
0
5
10
15
20
25
0 100 200 300 400 500 600 700 800


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

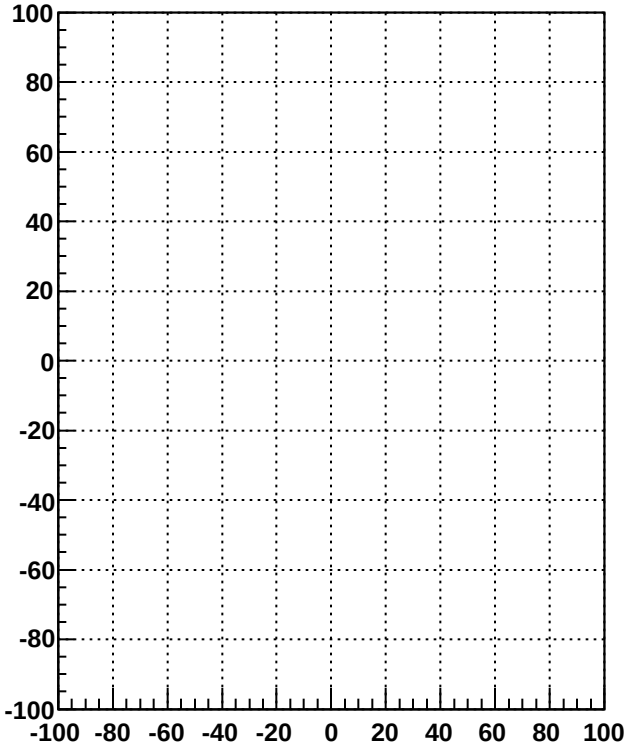

L3 Y vertex
h90_l3_Yvertex
Entries 0
Mean 0
RMS 0
0
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1
-4 -3 -2 -1 0 1 2 3 4


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

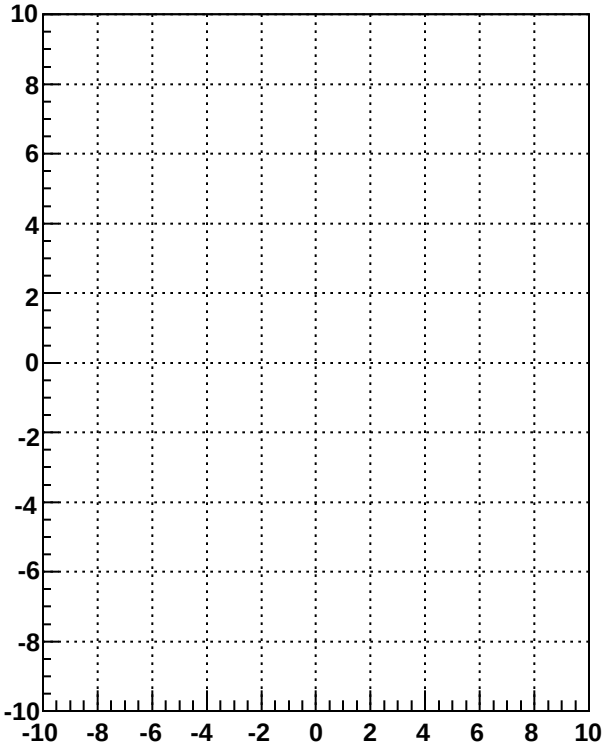
ZDC Vertex vs L3 Vertex



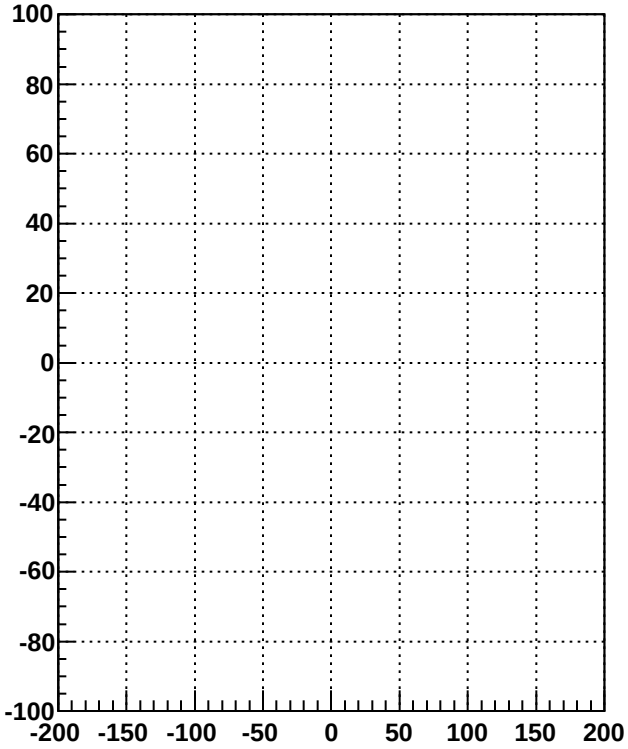
BBC Vertex vs L3 Vertex

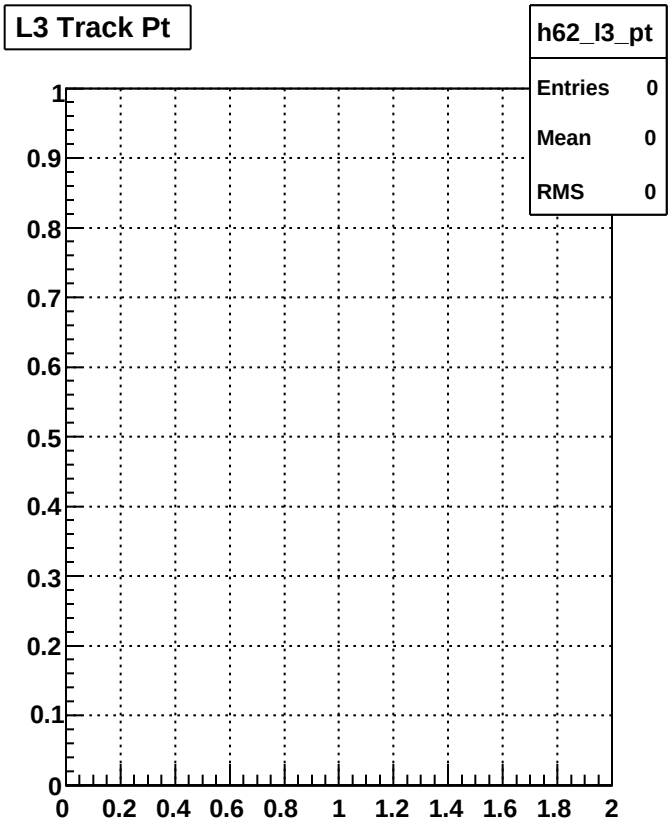


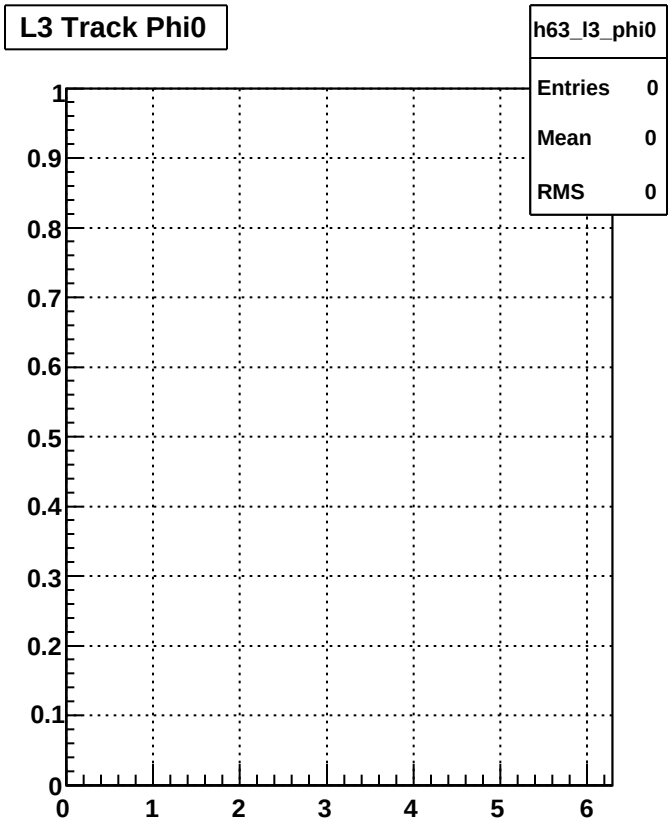
L3 Vertex Y vs X

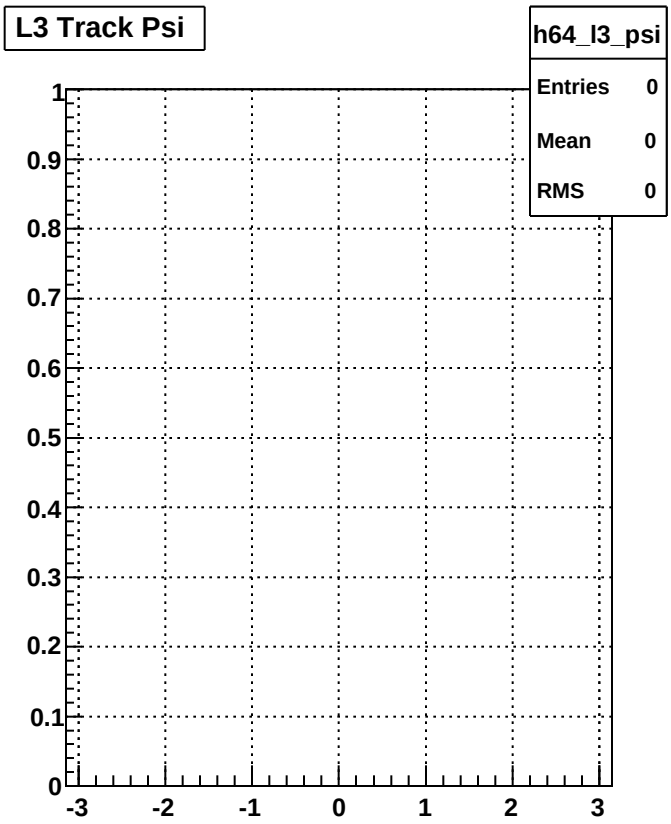


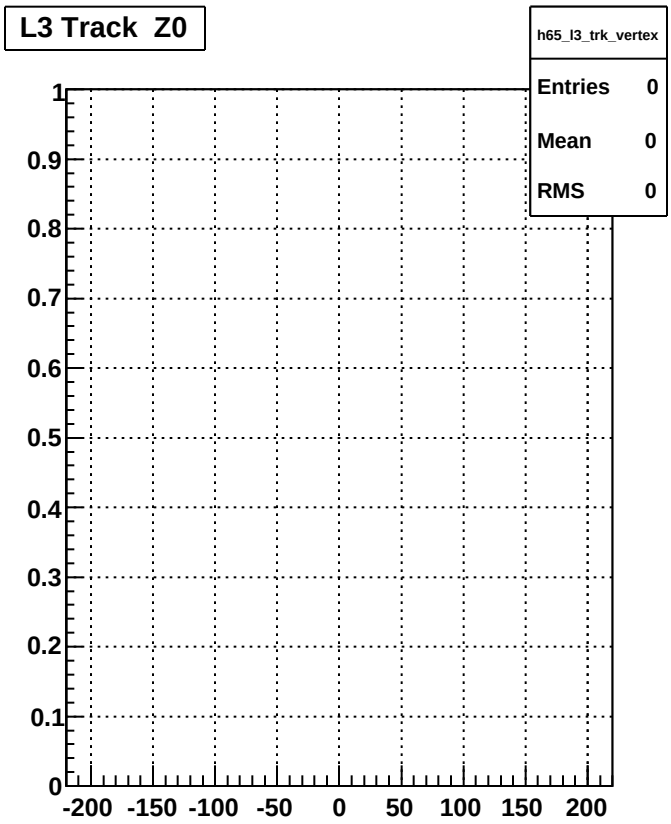
L3 Vertex-Z vs ZDC Timing difference

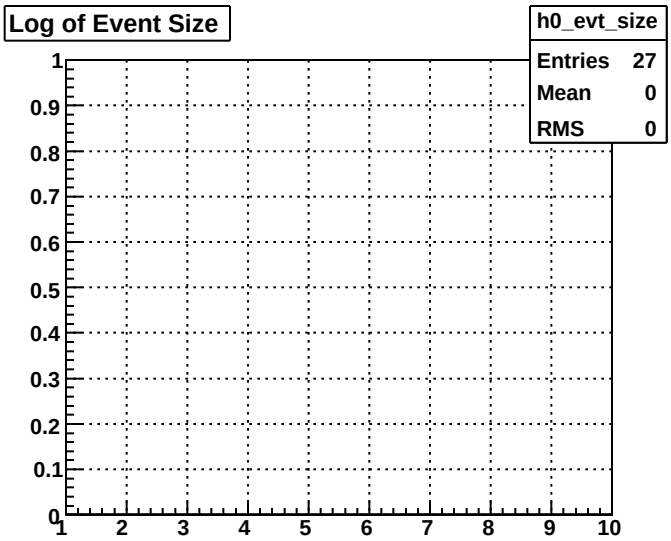


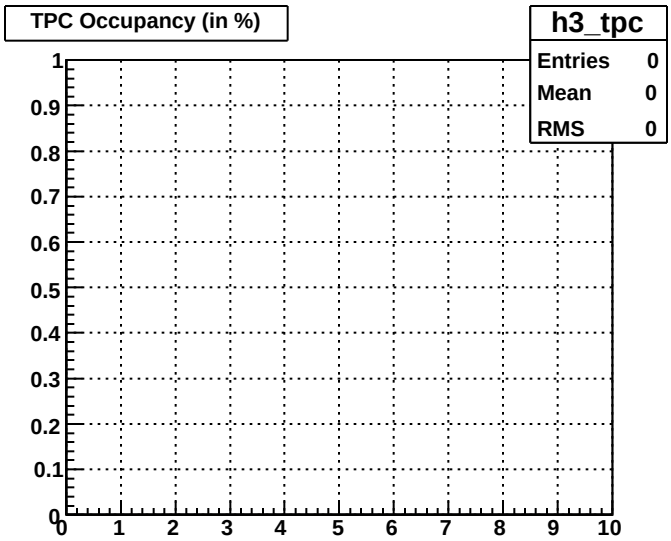

L3 Track Pt
h62_l3_pt
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

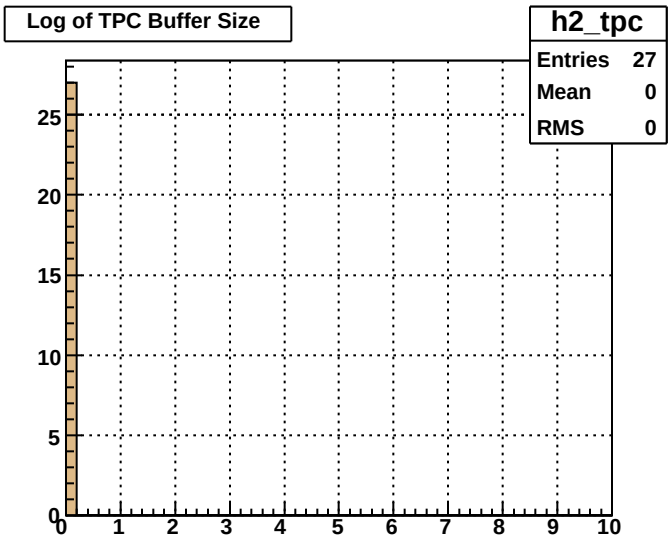

L3 Track Phi0
h63_l3_phi0
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6

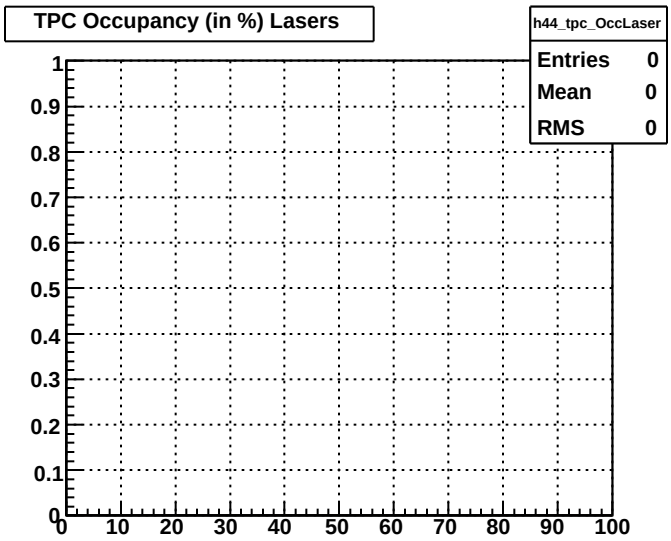

L3 Track Psi
h64_l3_psi
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-3 -2 -1 0 1 2 3

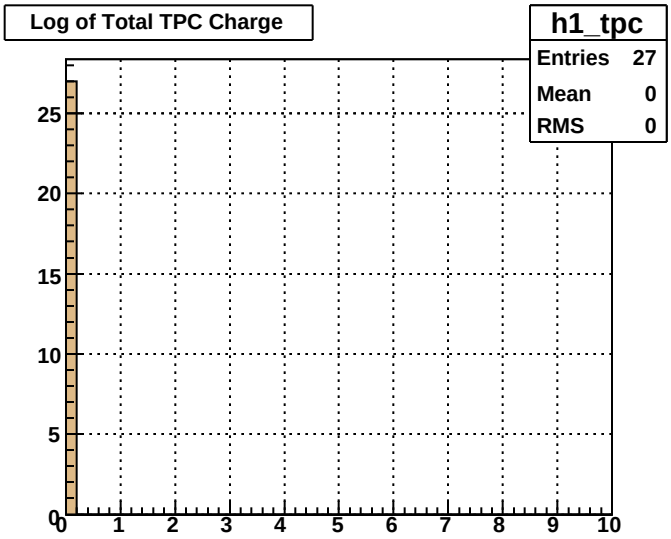

L3 Track Z0
h65_l3_trk_vertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-200 -150 -100 -50 0 50 100 150 200

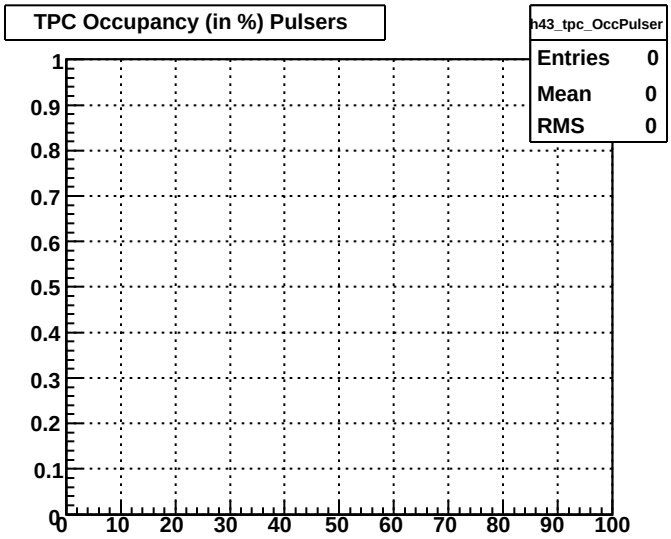

Log of Event Size
h0_evt_size
Entries 27
Mean 0
RMS 0


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

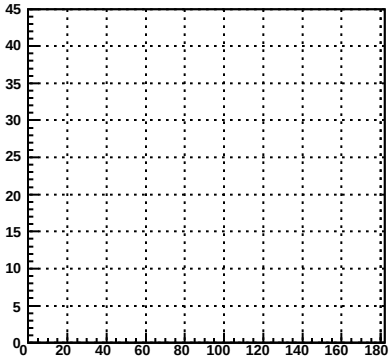

Log of TPC Buffer Size
h2_tpc
Entries 27
Mean 0
RMS 0


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

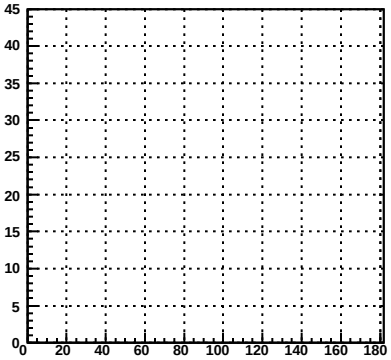

Log of Total TPC Charge
h1_tpc
Entries 27
Mean 0
RMS 0


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

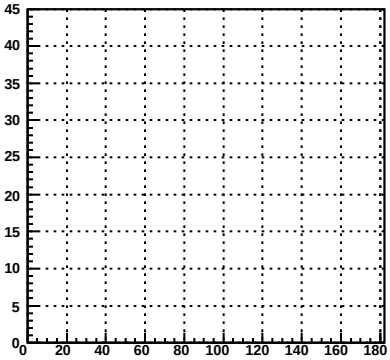
Sec. 1 charge per pad



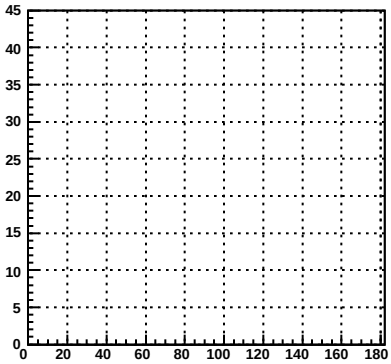
Sec. 2 charge per pad



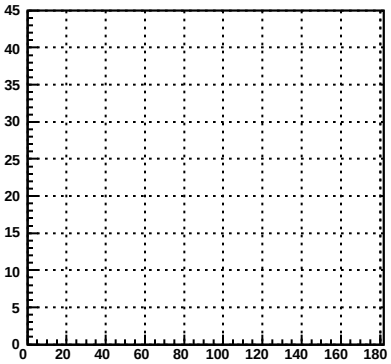
Sec. 3 charge per pad



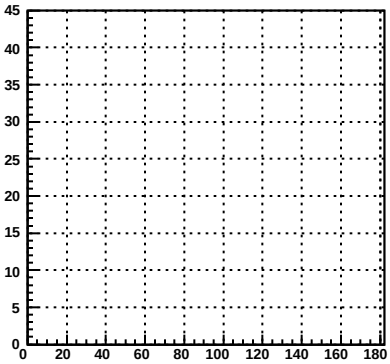
Sec. 4 charge per pad



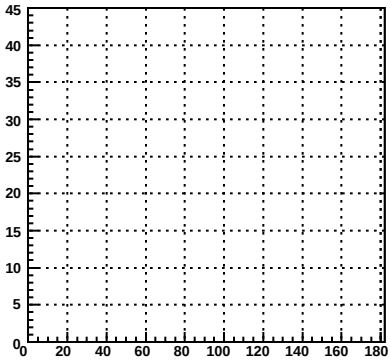
Sec. 5 charge per pad



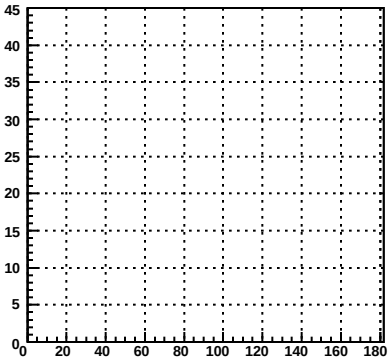
Sec. 6 charge per pad



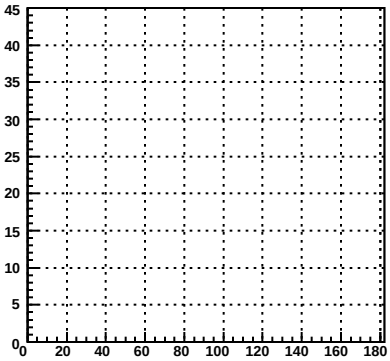
Sec. 7 charge per pad



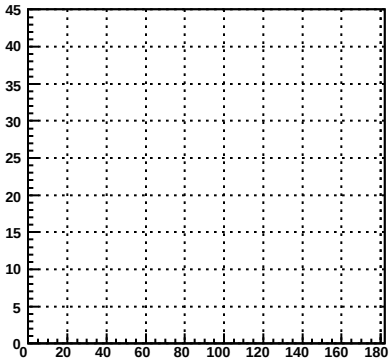
Sec. 8 charge per pad



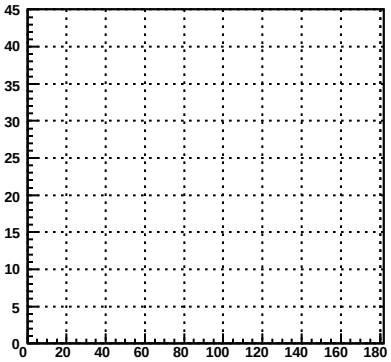
Sec. 9 charge per pad



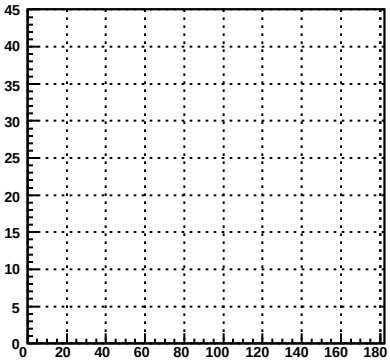
Sec. 10 charge per pad



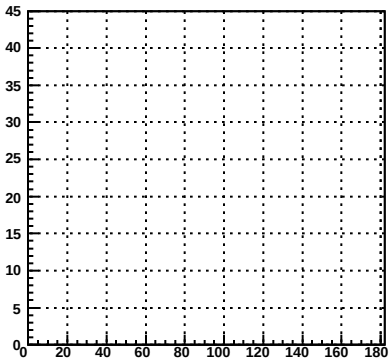
Sec. 11 charge per pad



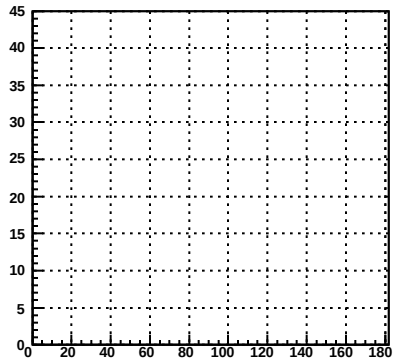
Sec. 12 charge per pad



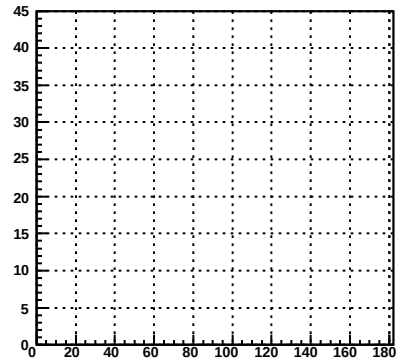
Sec. 13 charge per pad



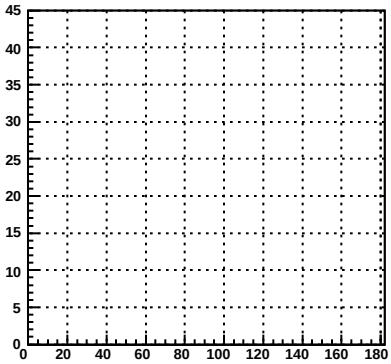
Sec. 14 charge per pad



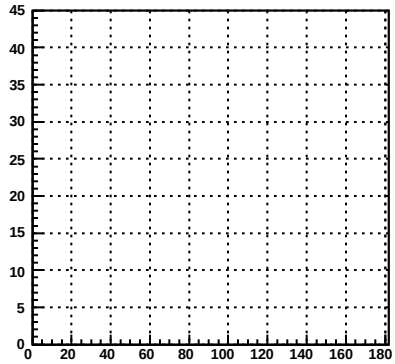
Sec. 15 charge per pad



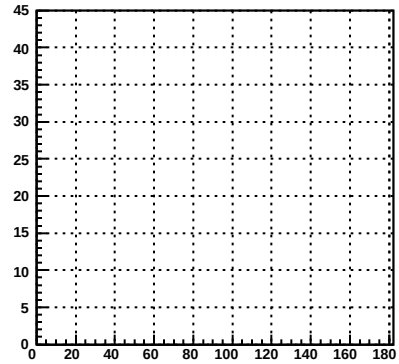
Sec. 16 charge per pad



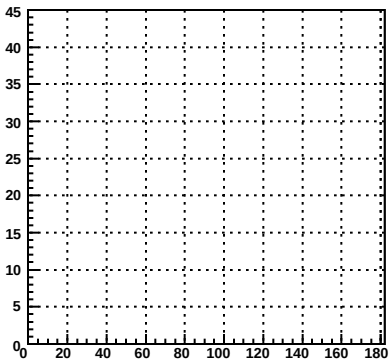
Sec. 17 charge per pad



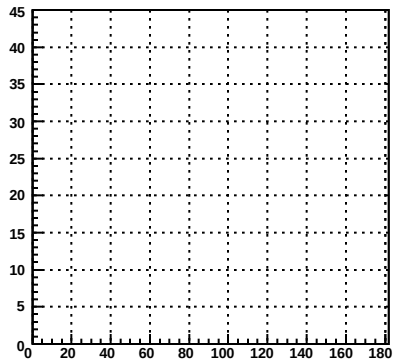
Sec. 18 charge per pad



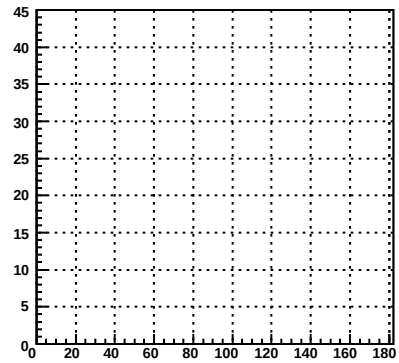
Sec. 19 charge per pad



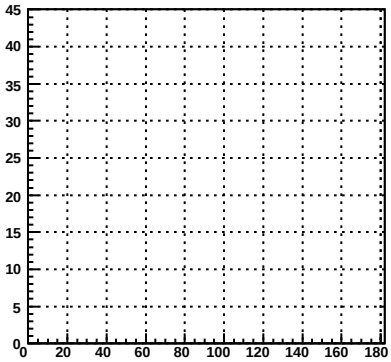
Sec. 20 charge per pad



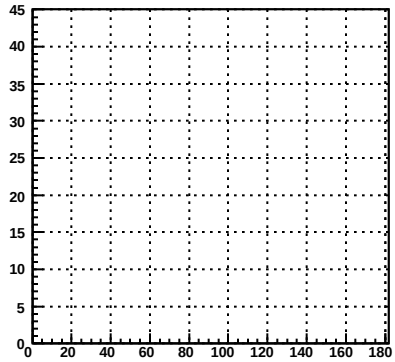
Sec. 21 charge per pad



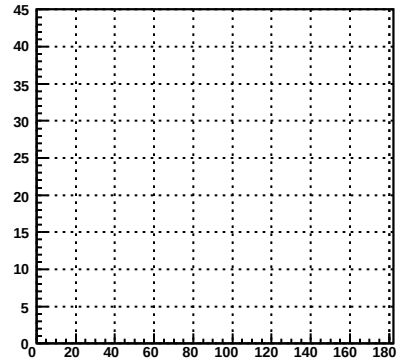
Sec. 22 charge per pad

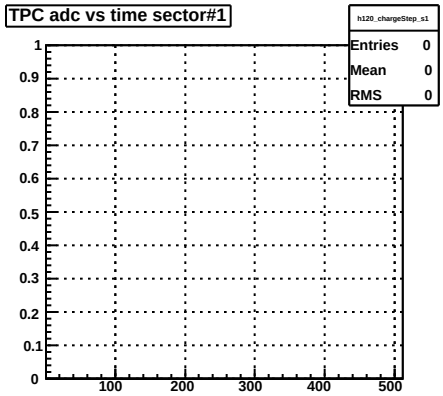


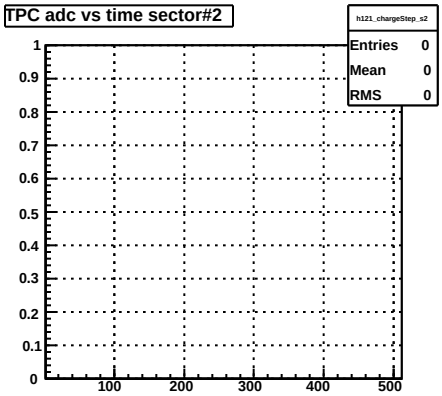
Sec. 23 charge per pad

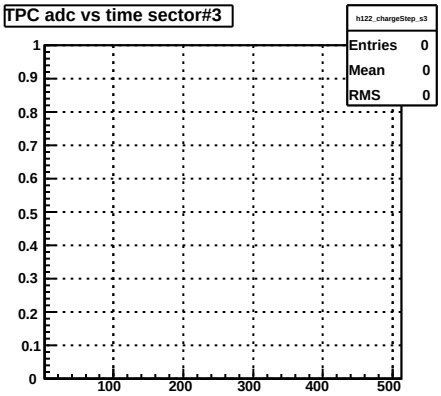


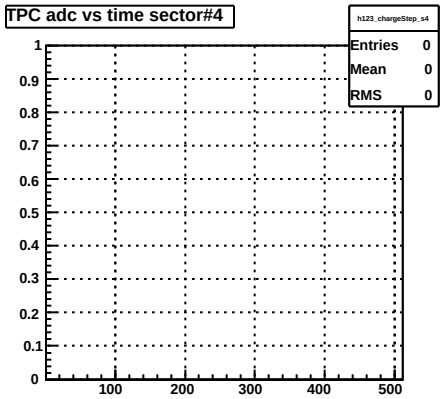
Sec. 24 charge per pad

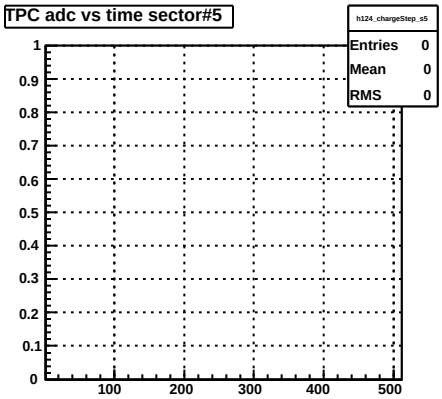


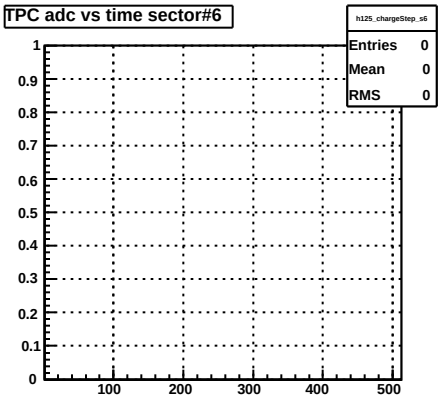

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 0
Mean 0
RMS 0

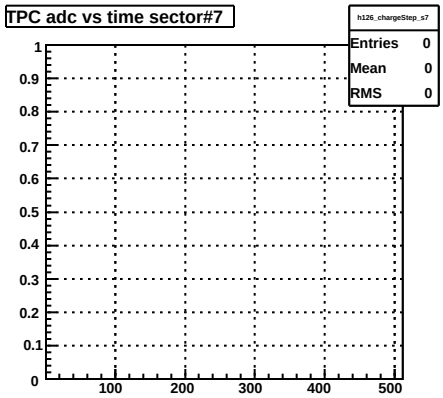

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 0
Mean 0
RMS 0

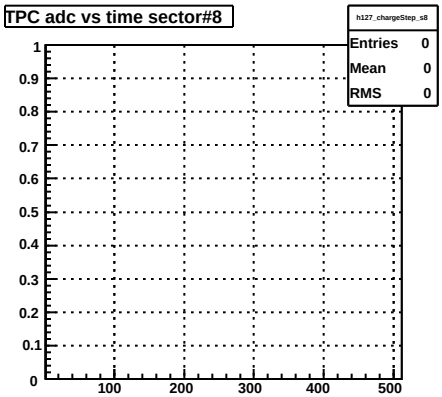

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 0
Mean 0
RMS 0

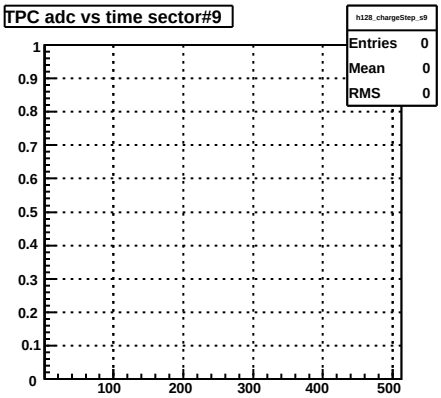

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 0
Mean 0
RMS 0

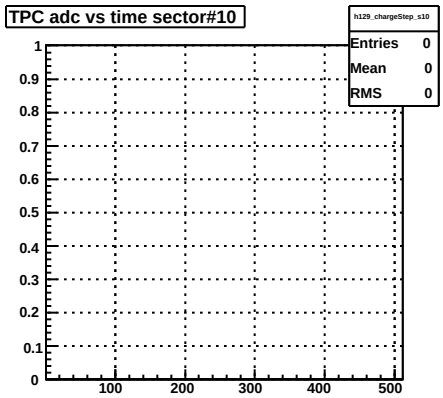

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 0
Mean 0
RMS 0

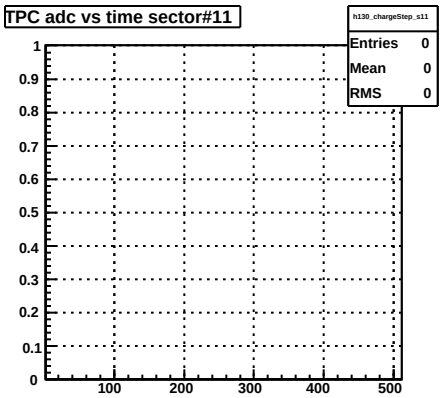

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 0
Mean 0
RMS 0

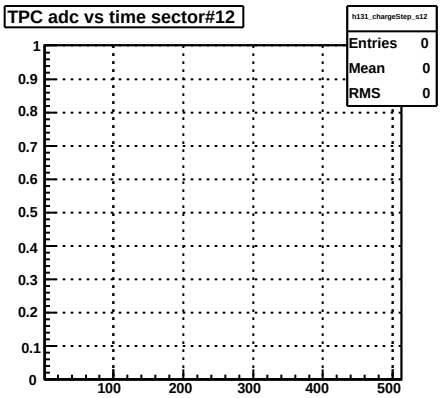

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 0
Mean 0
RMS 0

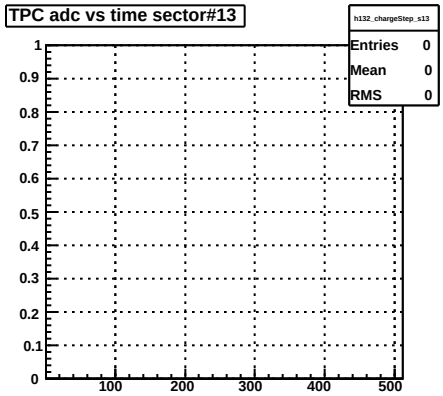

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 0
Mean 0
RMS 0

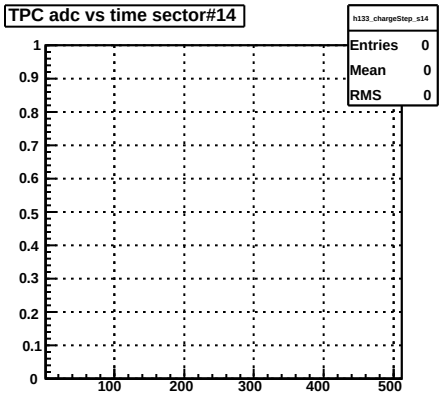

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 0
Mean 0
RMS 0

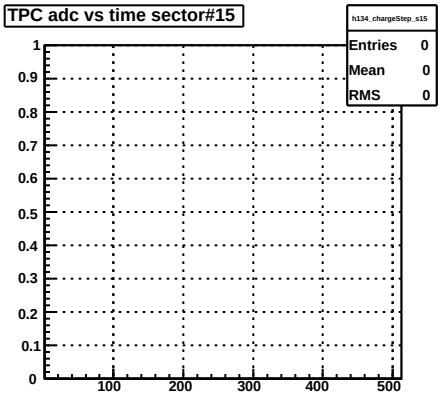

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 0
Mean 0
RMS 0

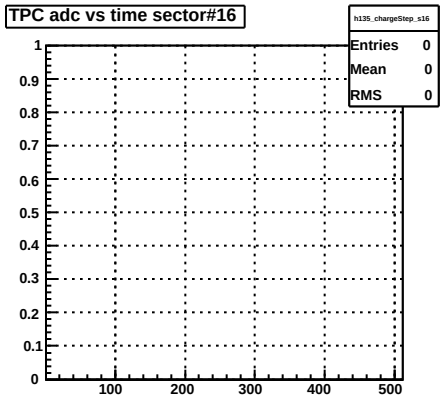

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 0
Mean 0
RMS 0

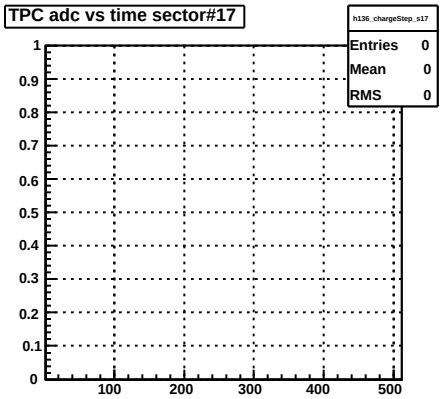

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 0
Mean 0
RMS 0

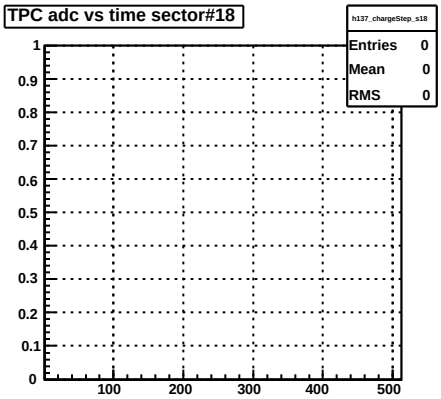

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 0
Mean 0
RMS 0

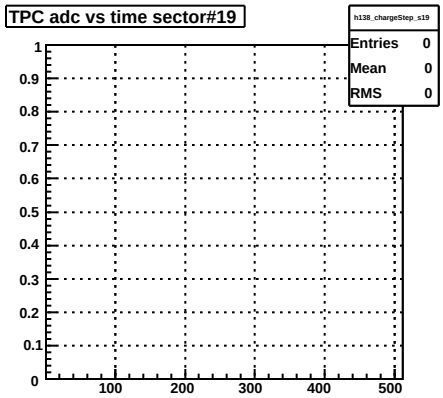

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 0
Mean 0
RMS 0

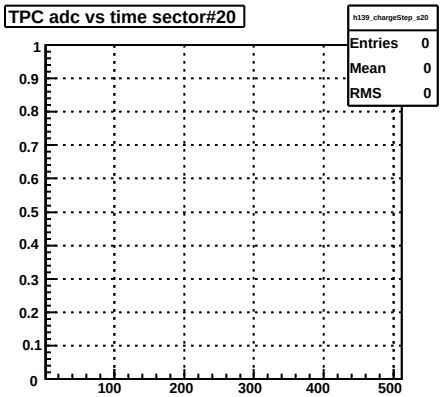

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 0
Mean 0
RMS 0

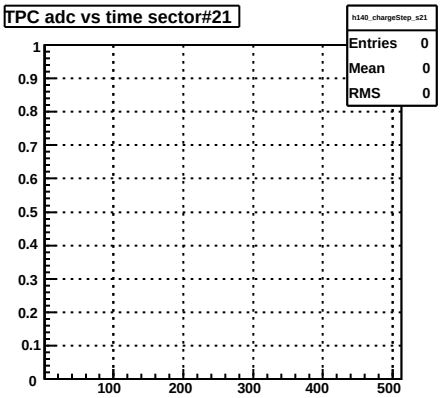

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 0
Mean 0
RMS 0

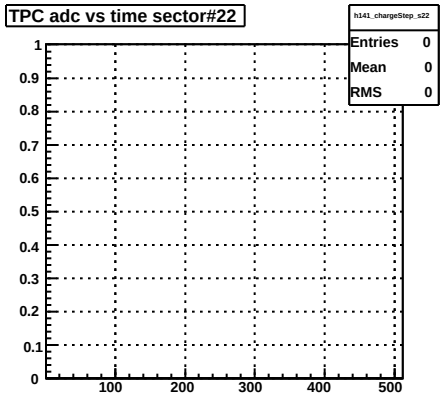

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 0
Mean 0
RMS 0

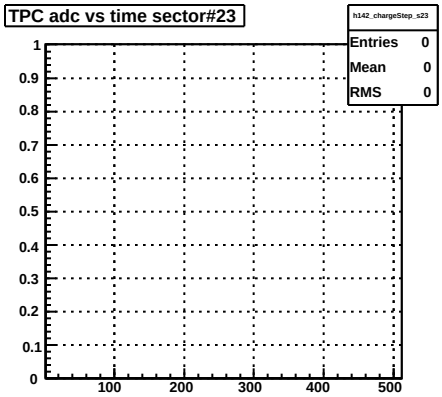

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 0
Mean 0
RMS 0

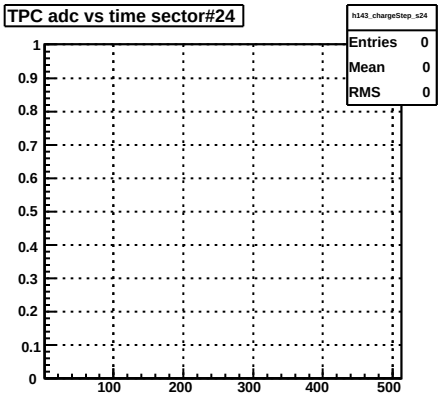

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 0
Mean 0
RMS 0

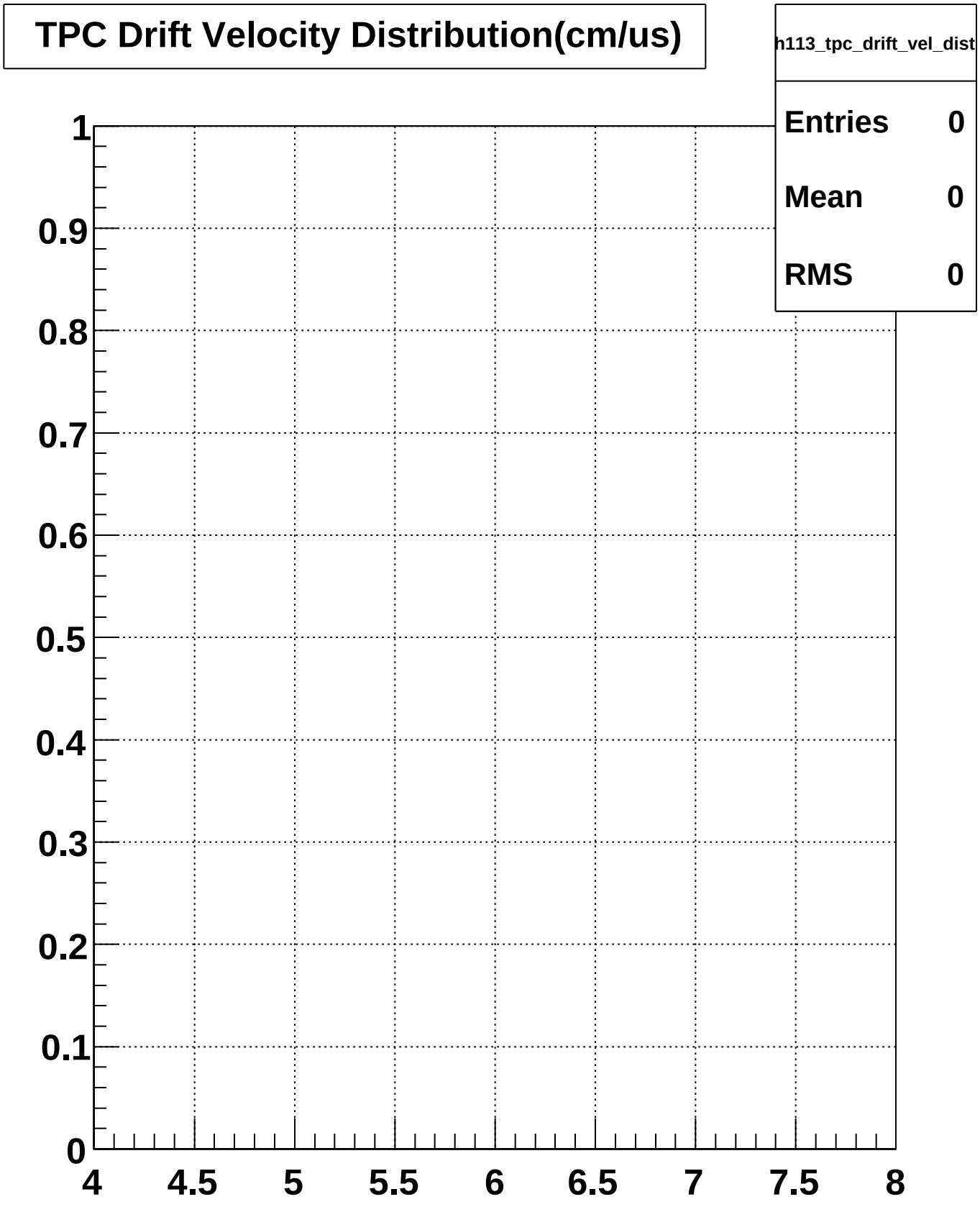

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 0
Mean 0
RMS 0

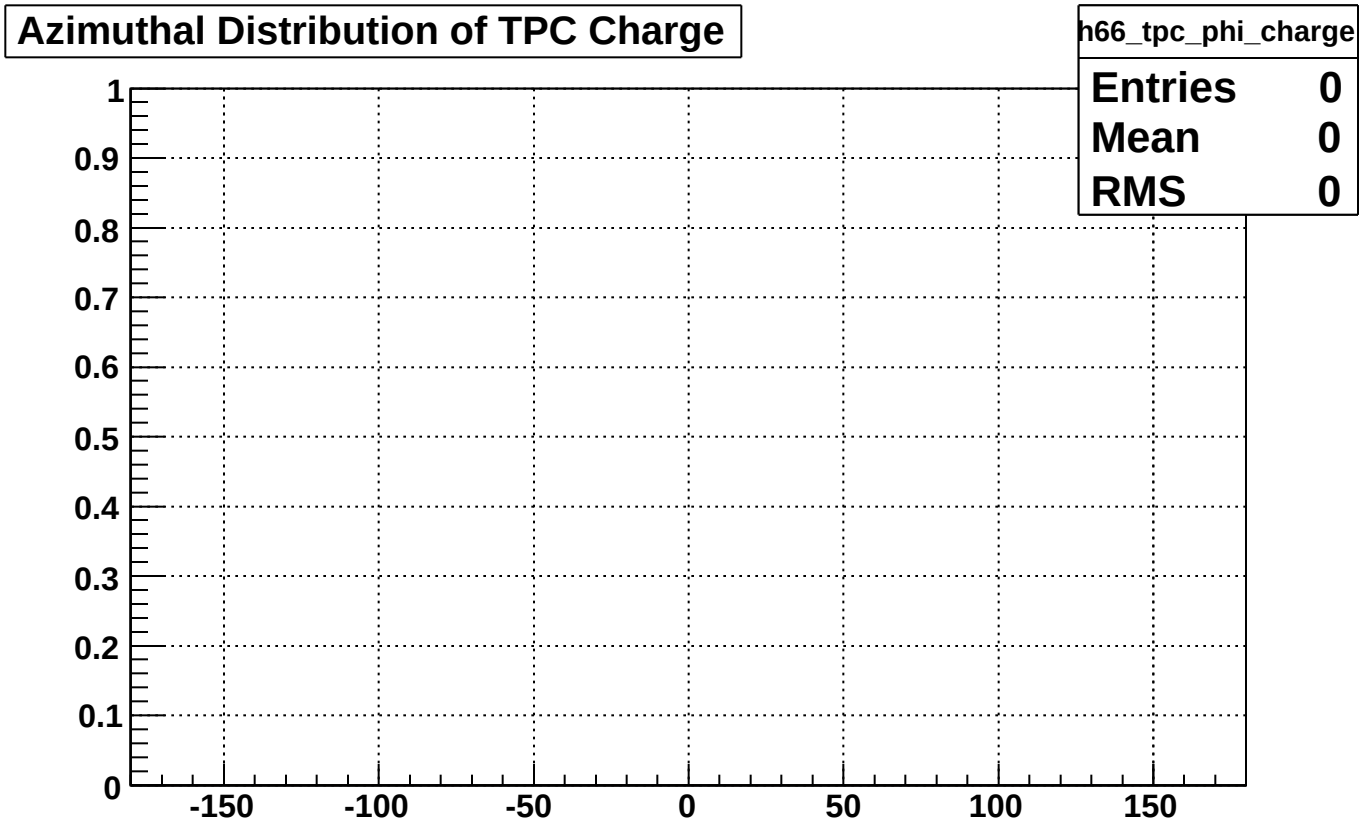

TPC adc vs time sector#21
h140_chargeStep_s21
Entries 0
Mean 0
RMS 0

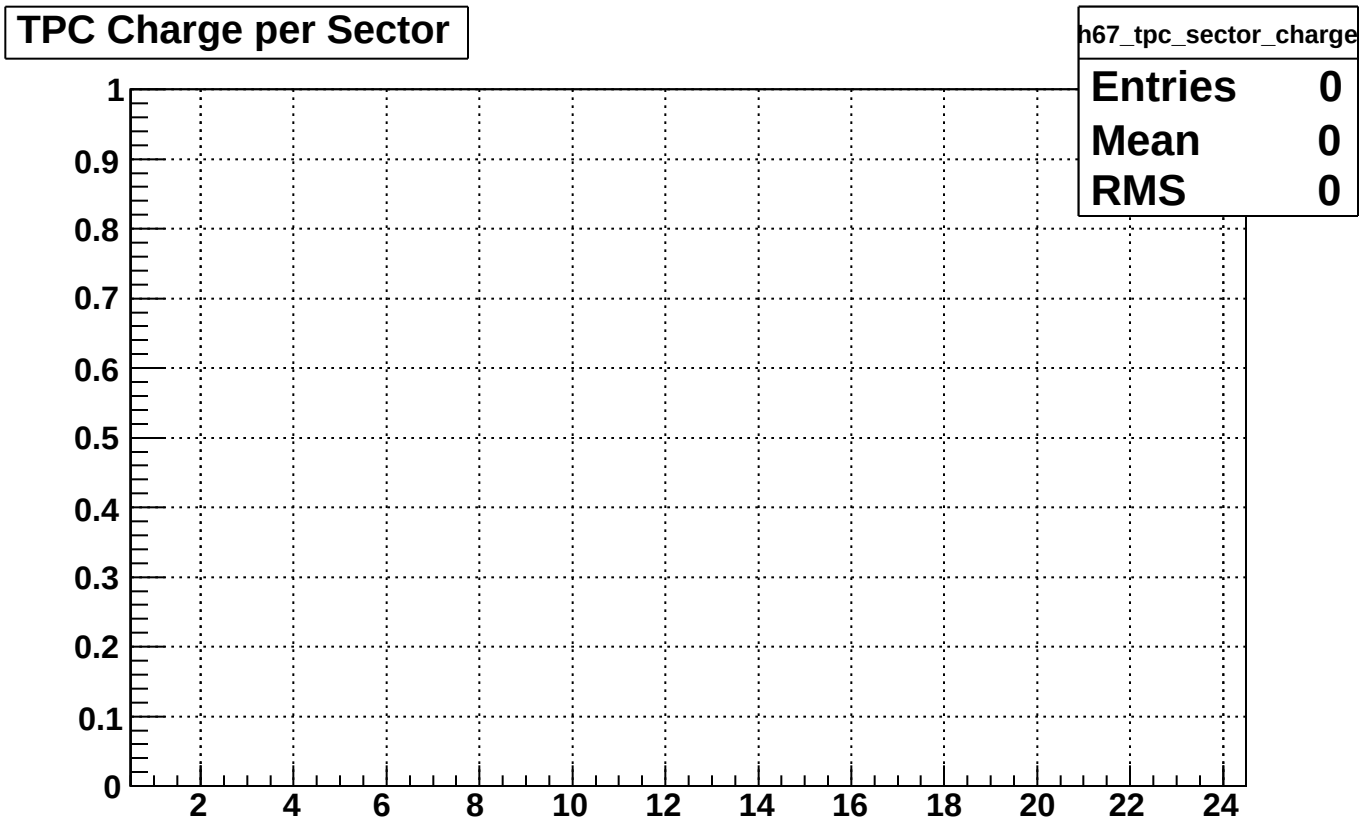

TPC adc vs time sector#22
h141_chargeStep_s22
Entries 0
Mean 0
RMS 0

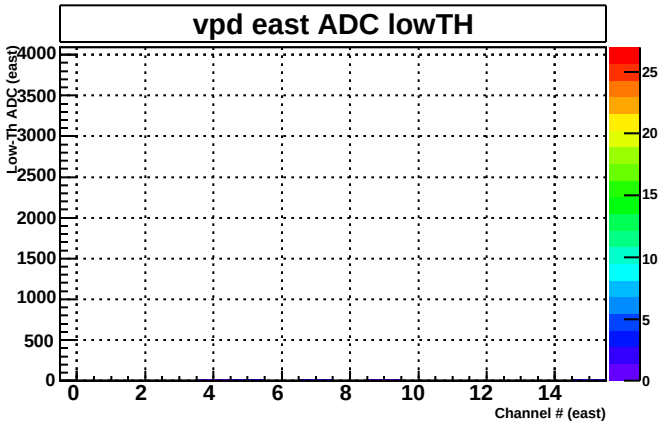

TPC adc vs time sector#23
h142_chargeStep_s23
Entries 0
Mean 0
RMS 0

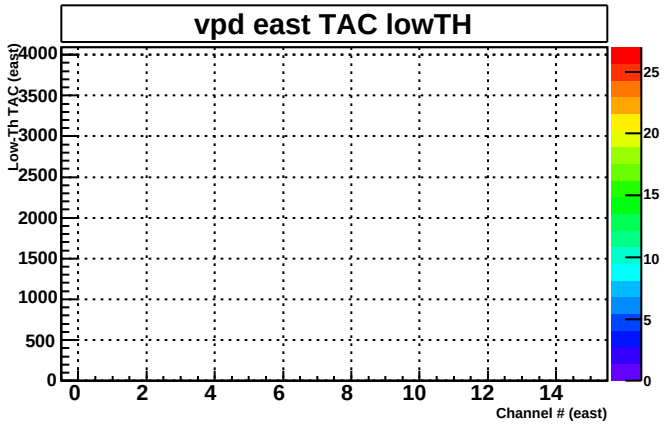

TPC adc vs time sector#24
h143_chargeStep_s24
Entries 0
Mean 0
RMS 0

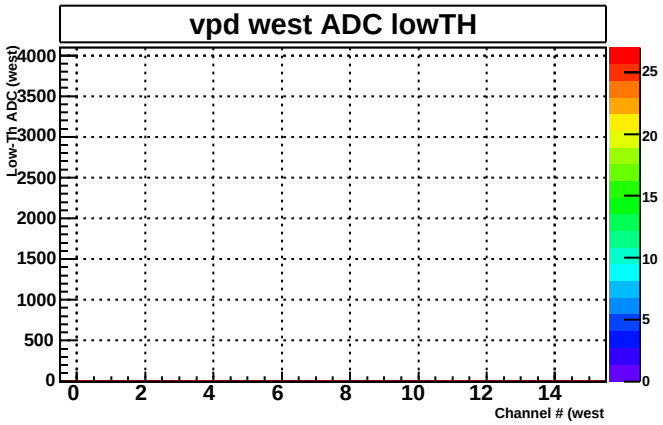

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4
4.5
5
5.5
6
6.5
7
7.5
8

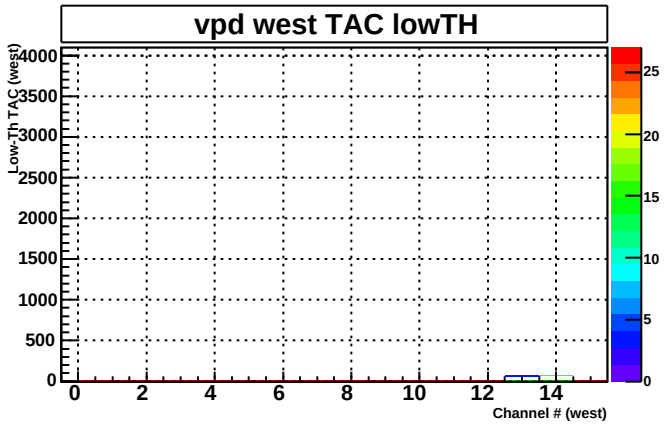

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-150
-100
-50
0
50
100
150

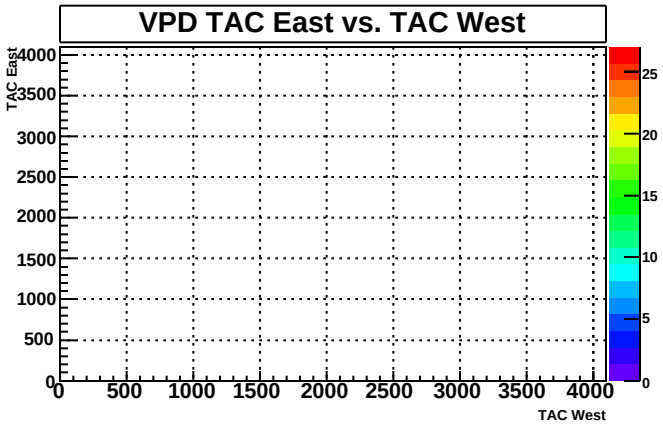

TPC Charge per Sector
h67_tpc_sector_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2
4
6
8
10
12
14
16
18
20
22
24

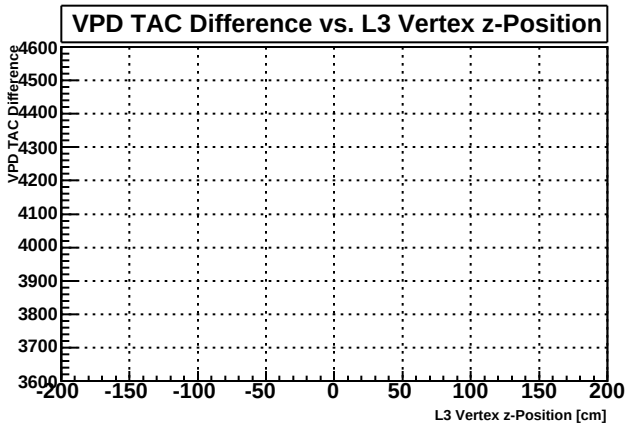

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

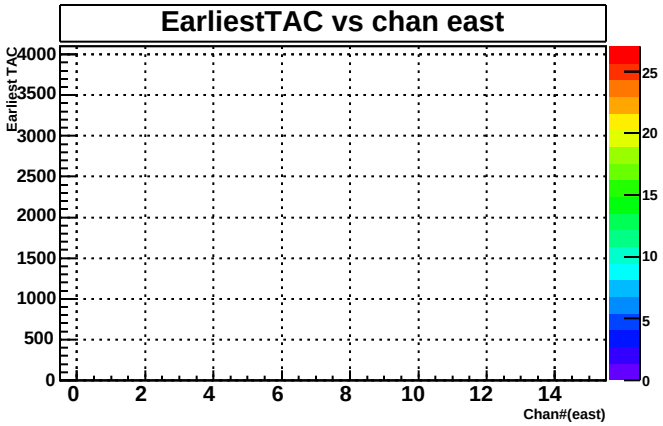

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

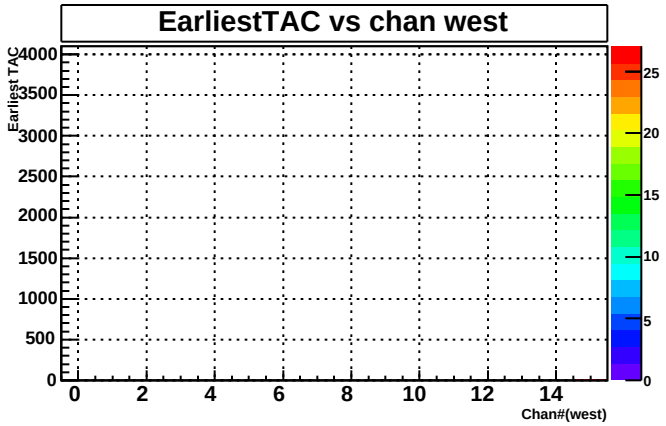

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

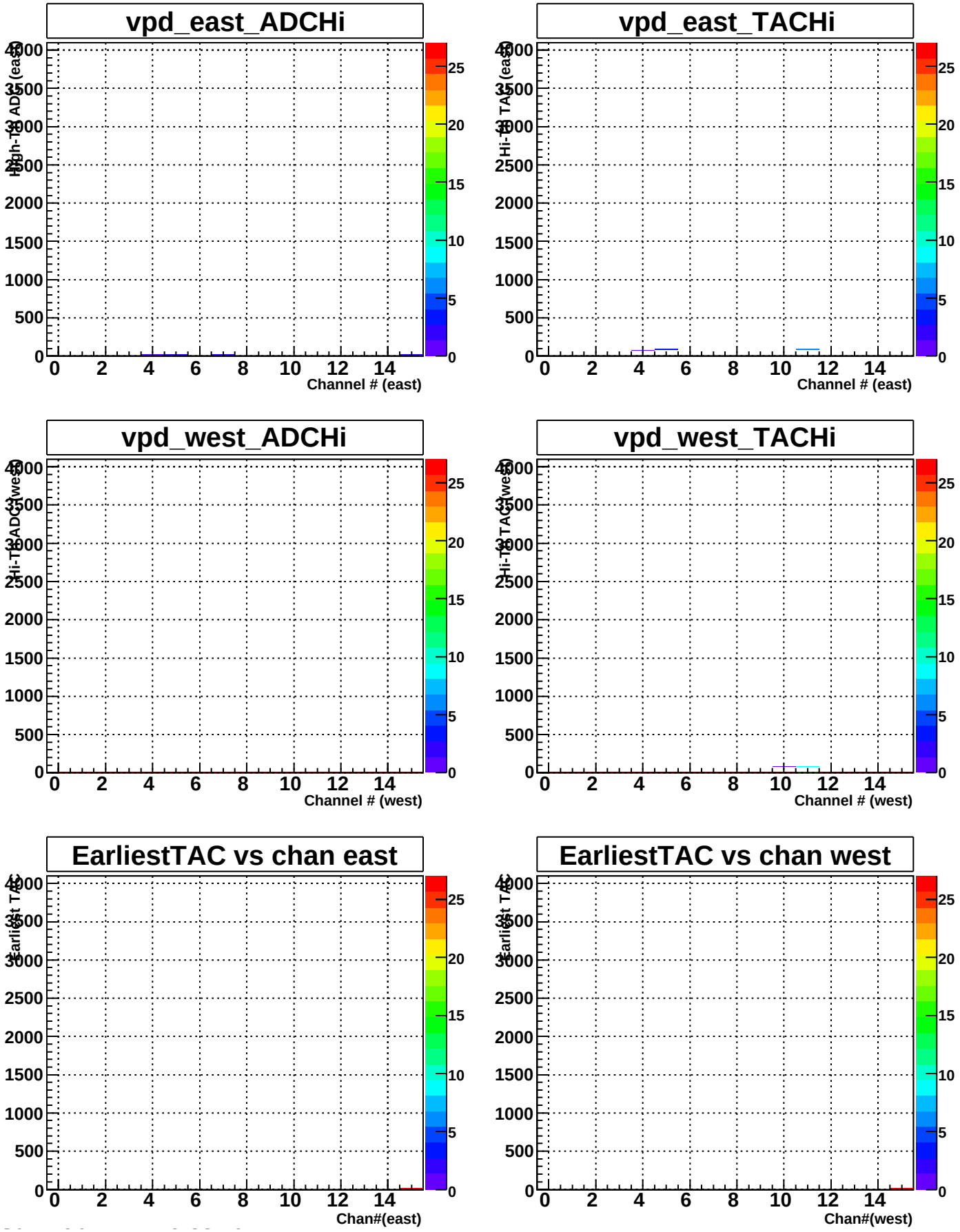

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

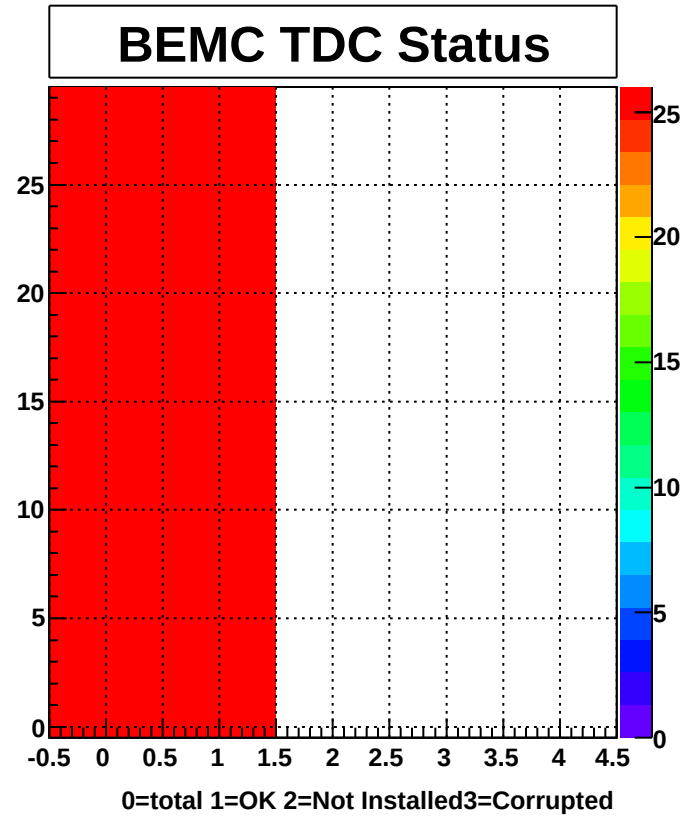

VPD TAC East vs. TAC West
TAC East
TAC West

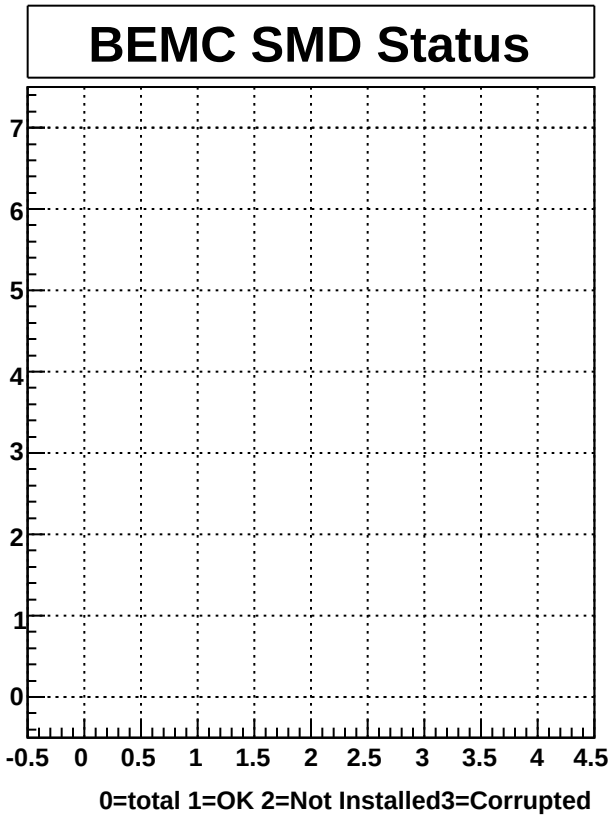

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

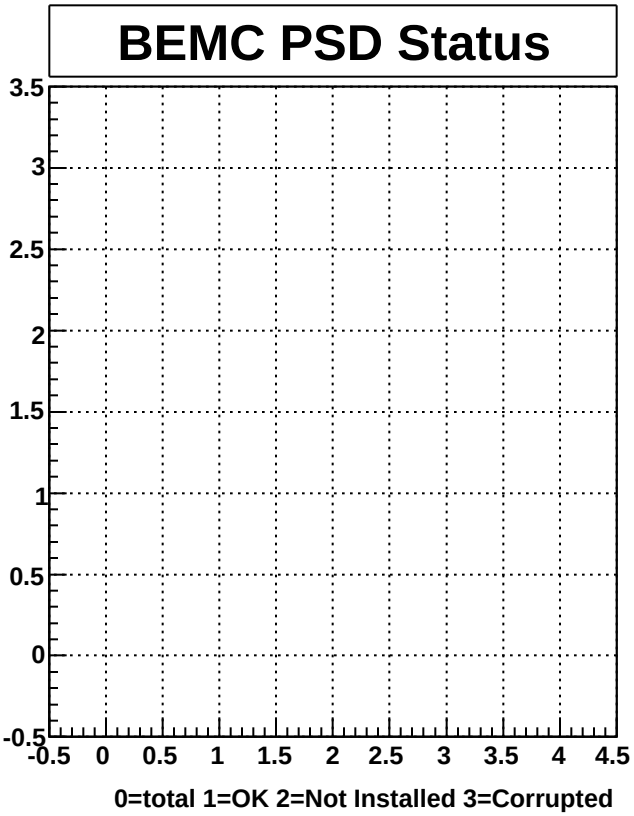

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

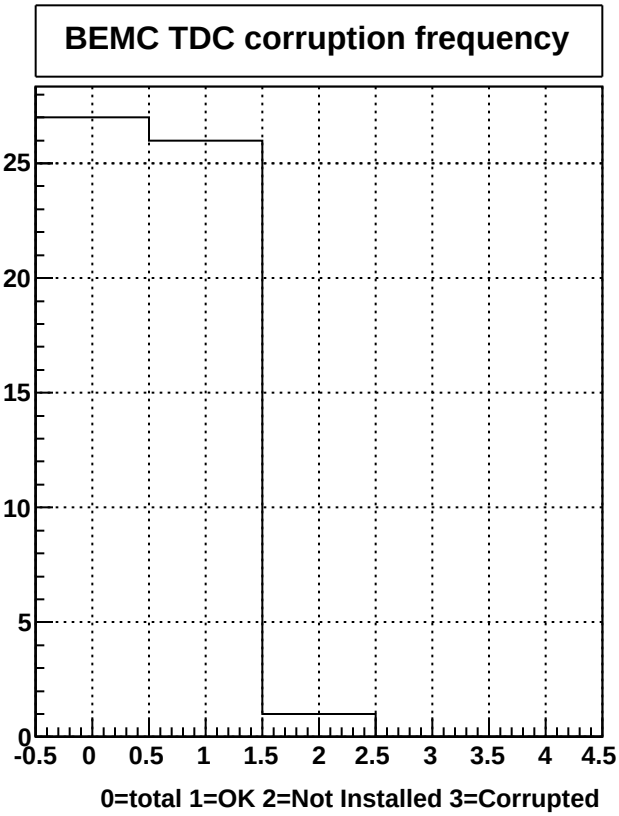

EarliestTAC vs chan west
Earliest TAC
Chan#(west)


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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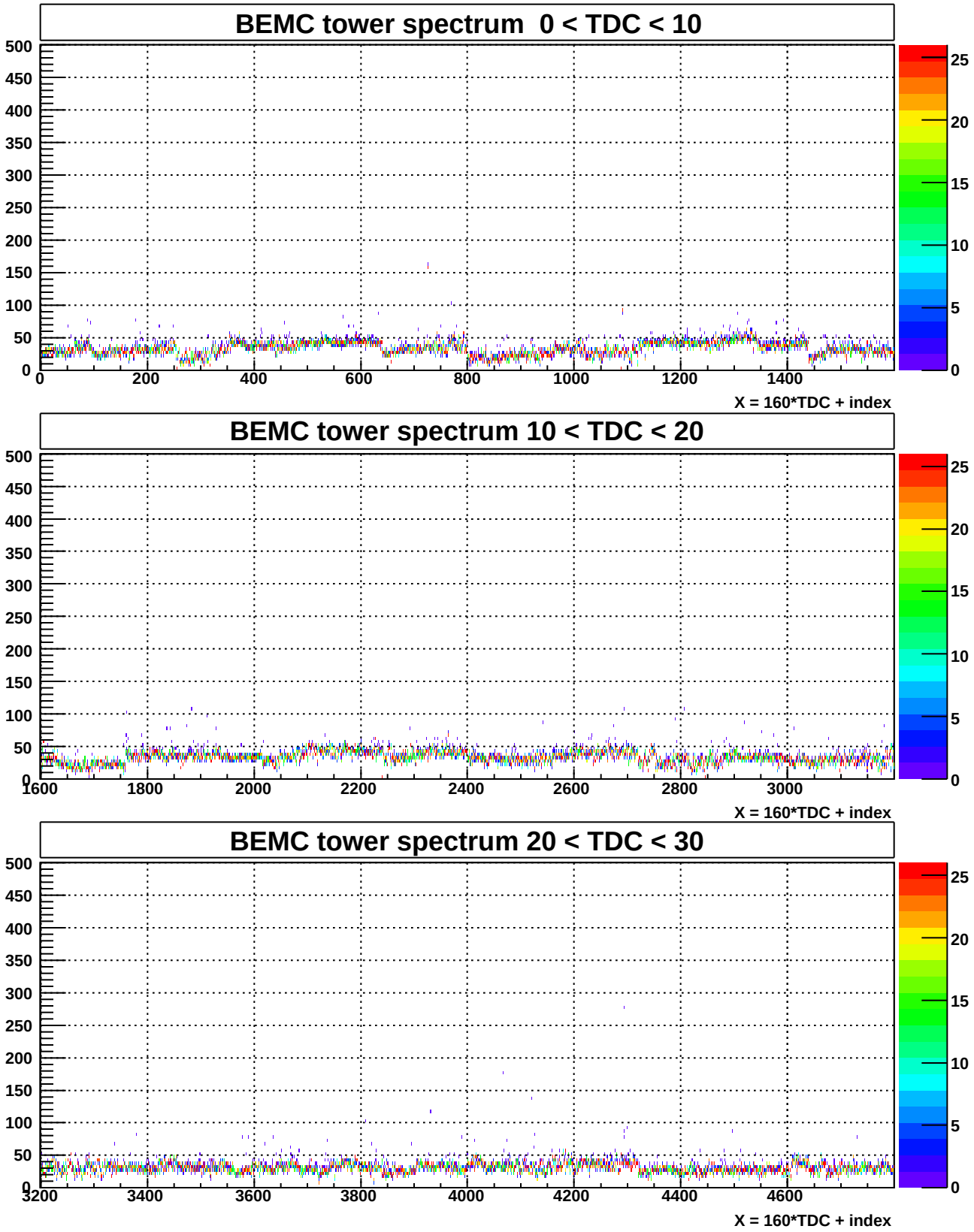
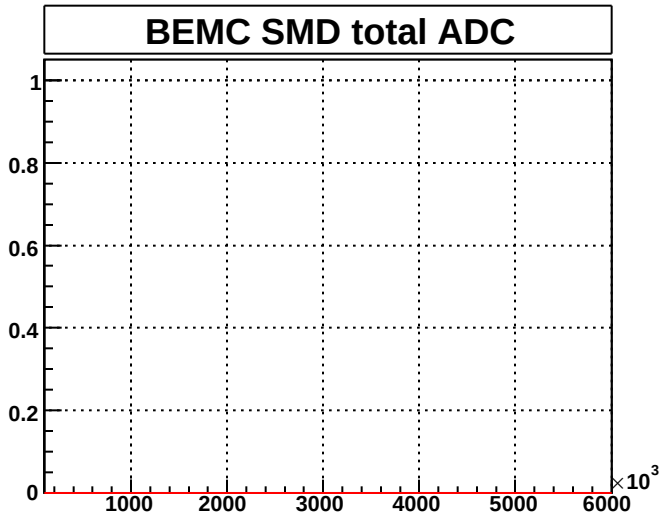
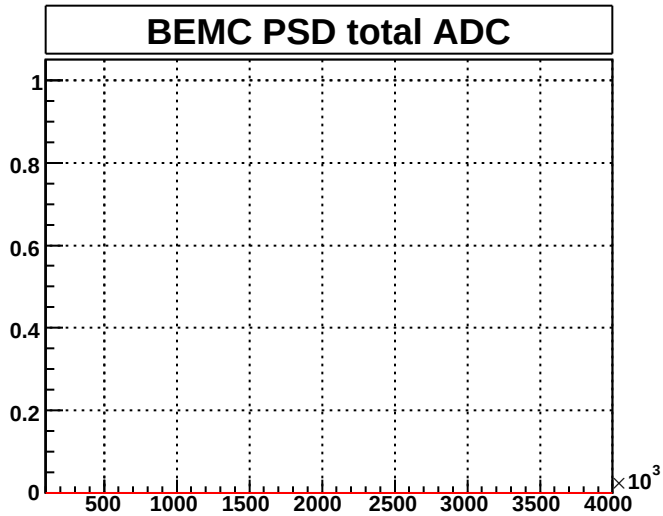
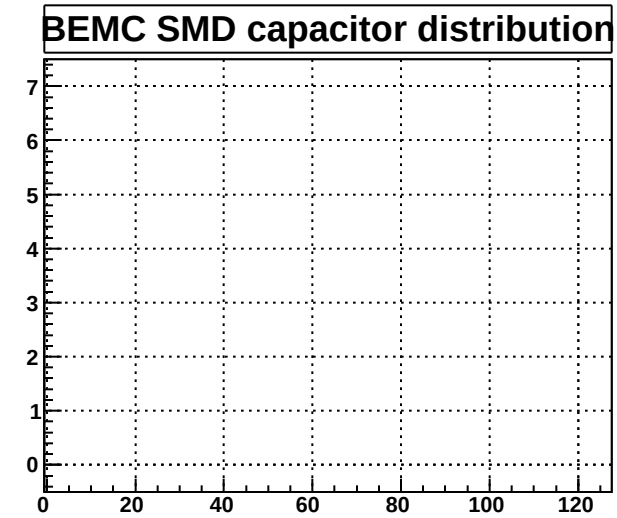
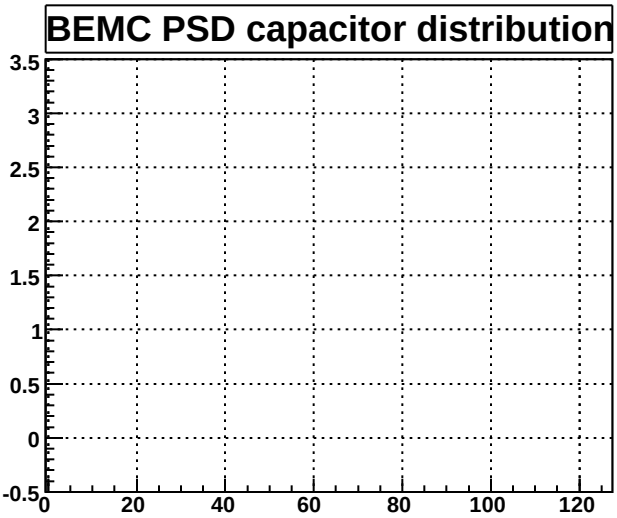


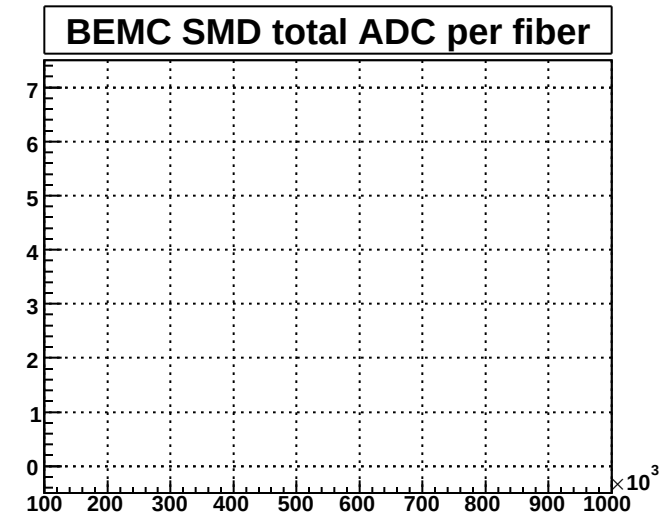
Sun Feb 27 22:19:58 2011

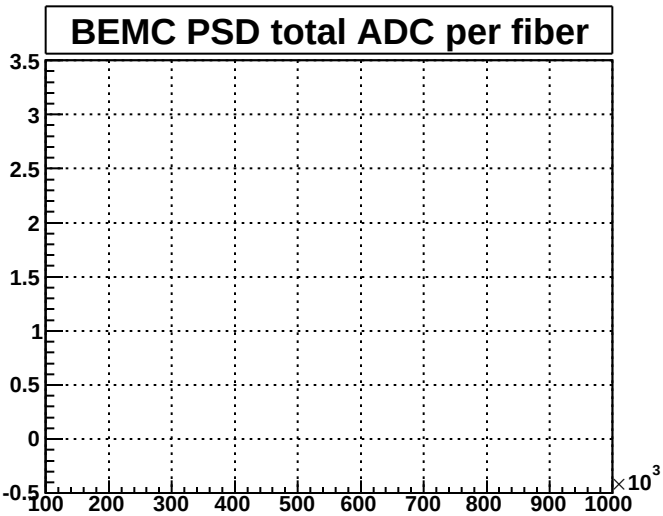












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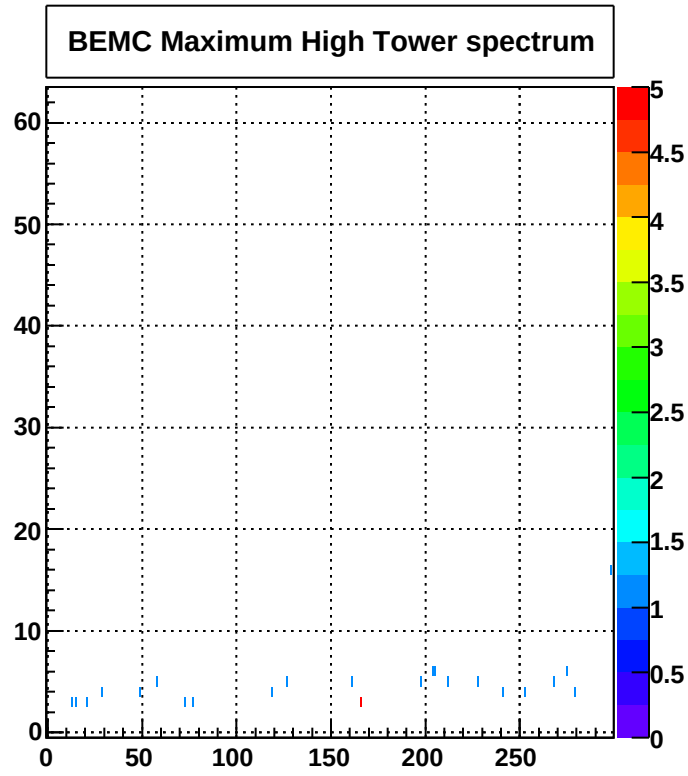
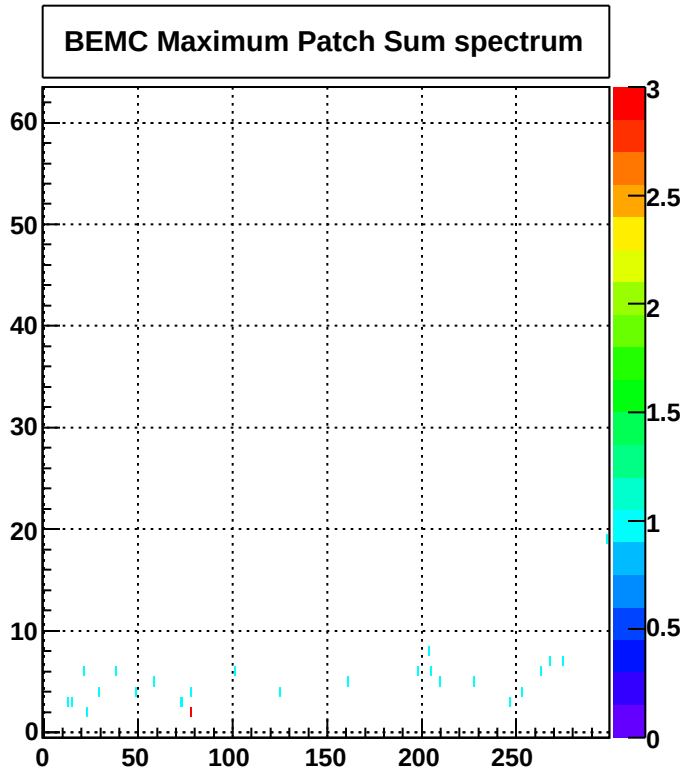
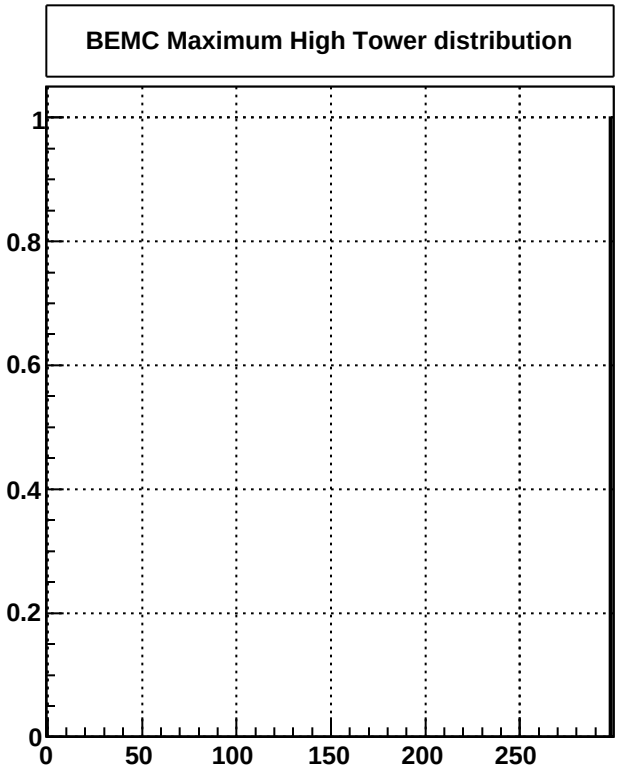
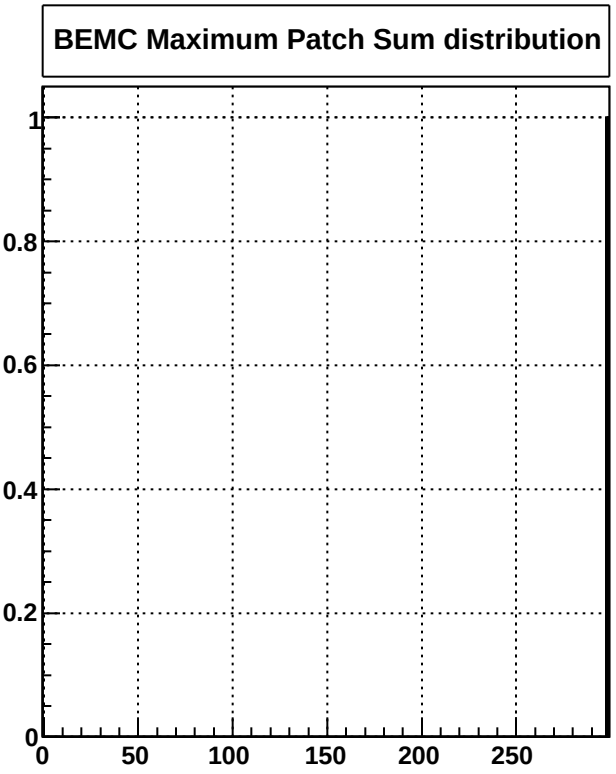
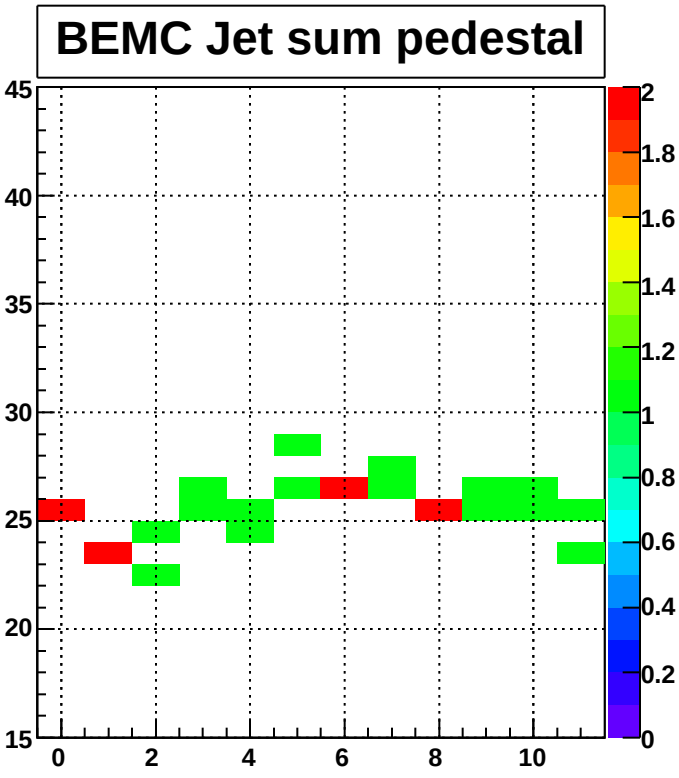


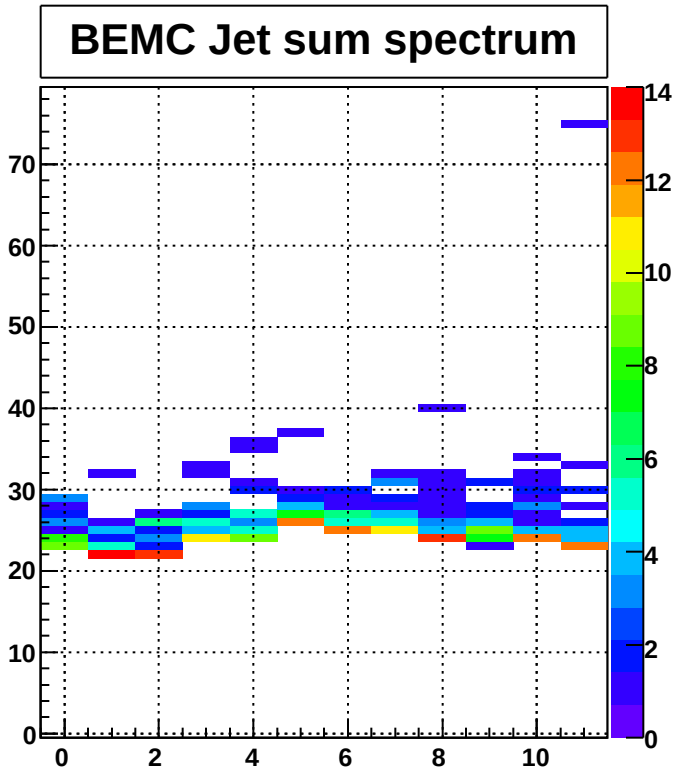


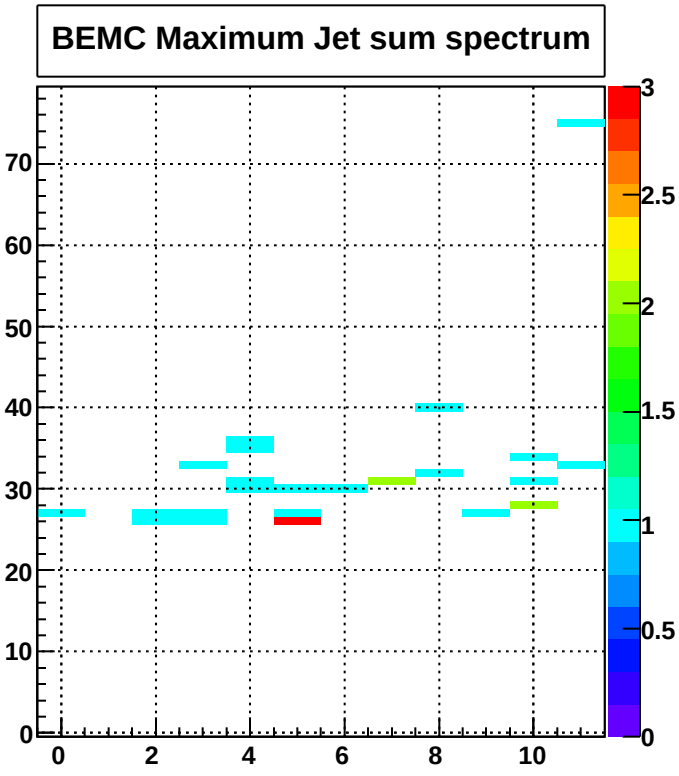


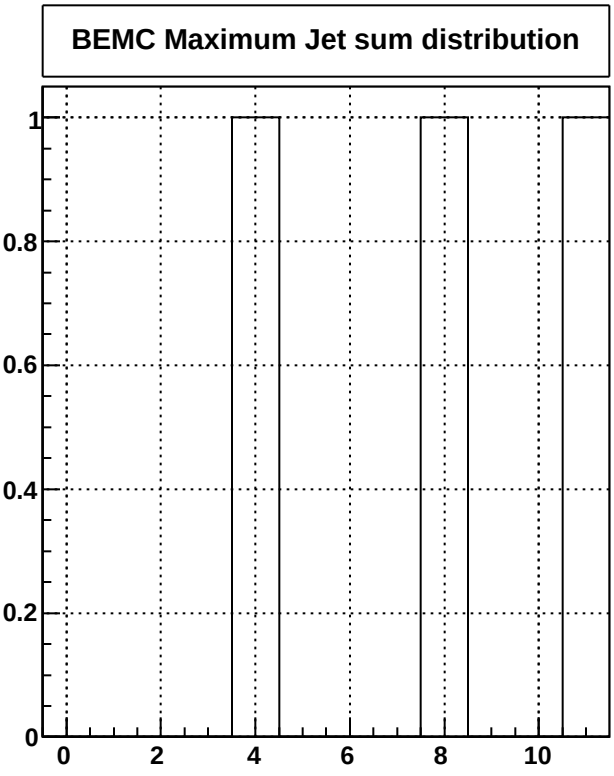


Sun Feb 27 22:19:59 2011









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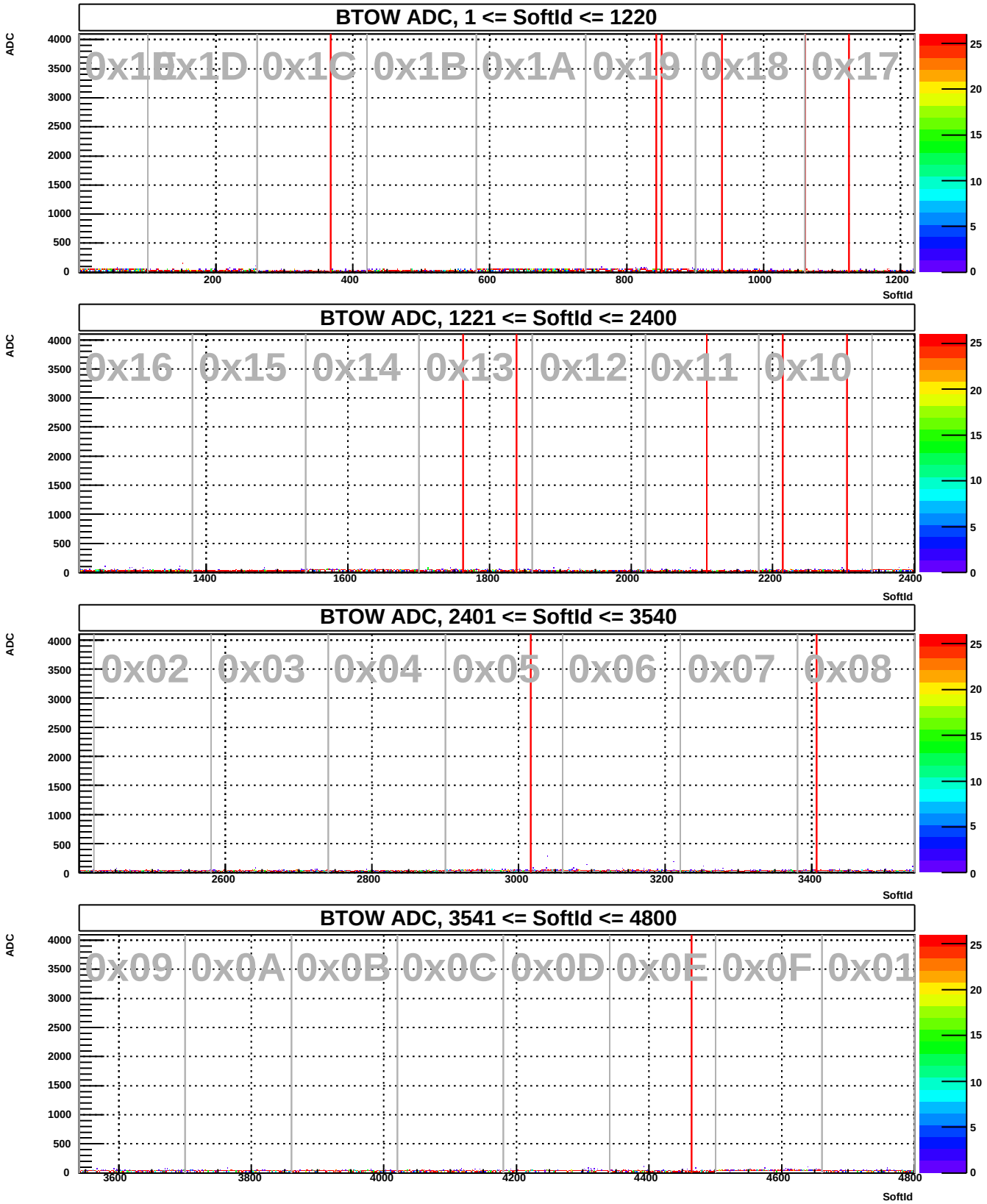

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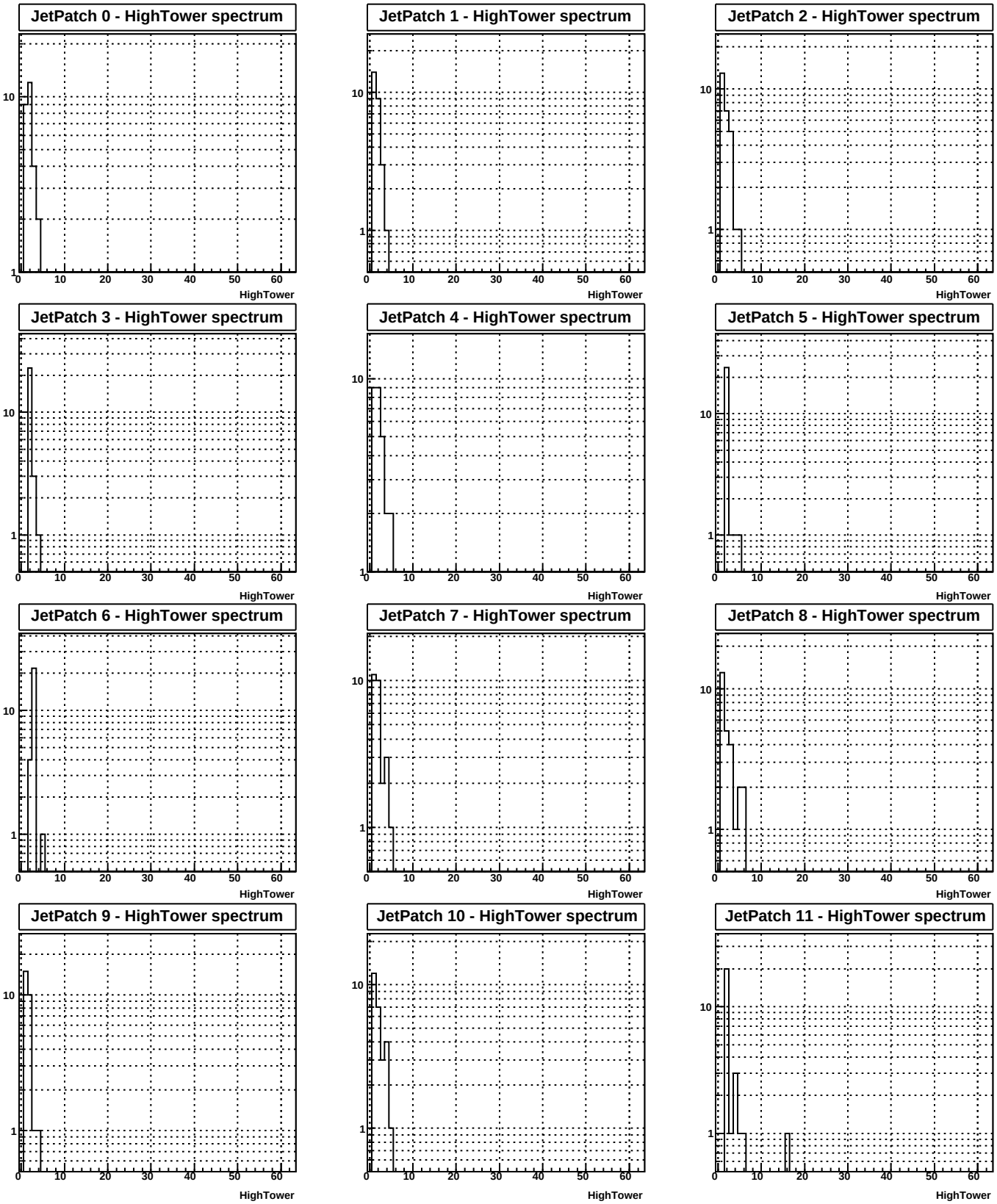

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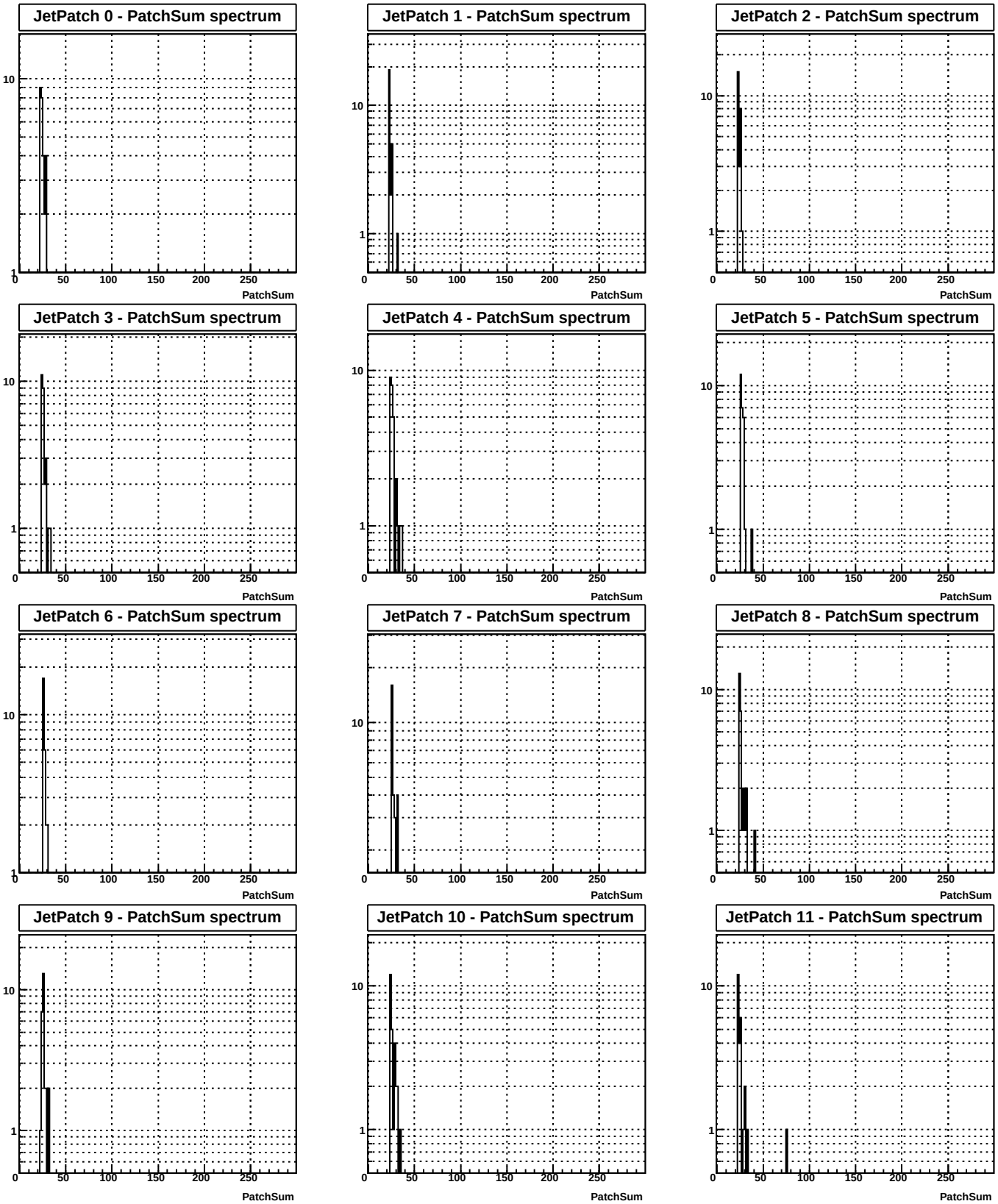
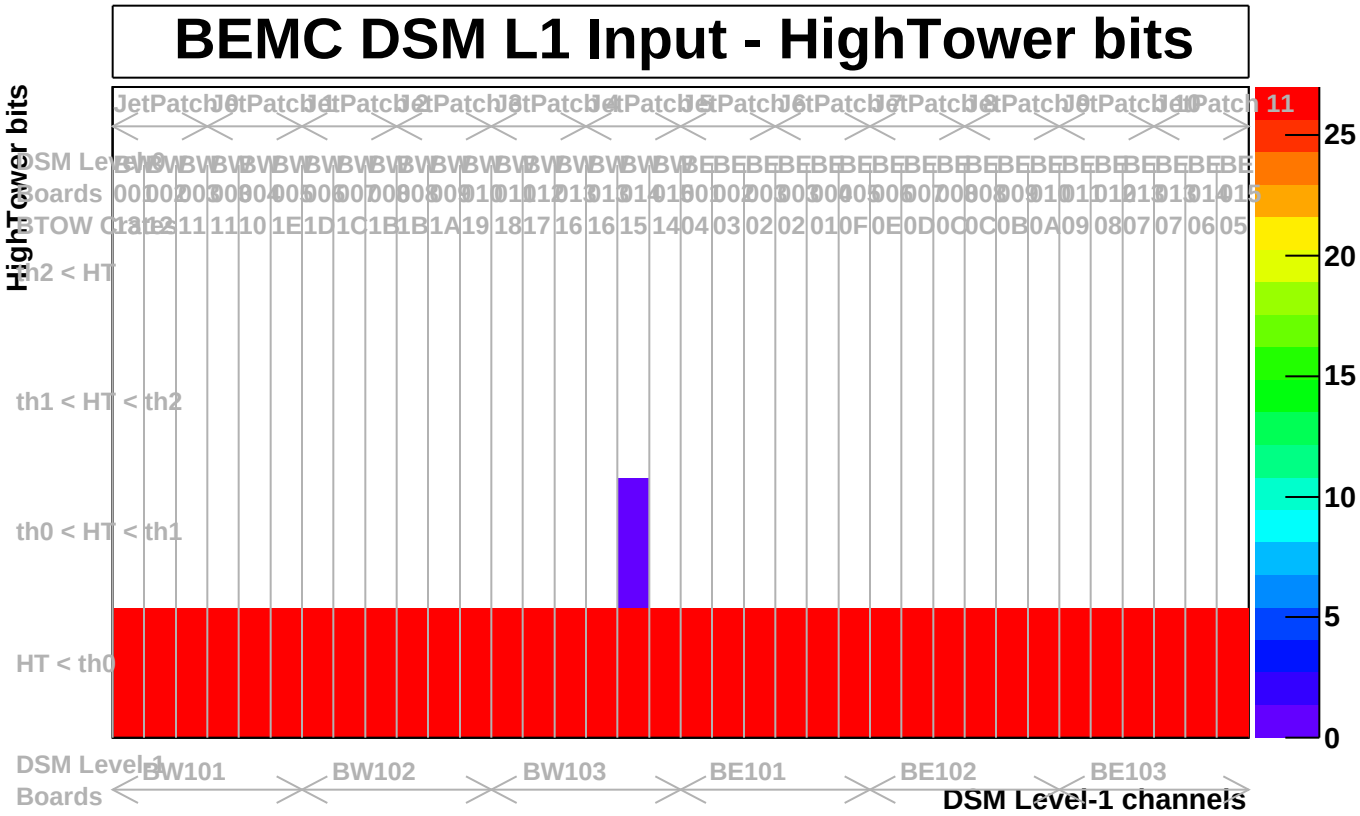
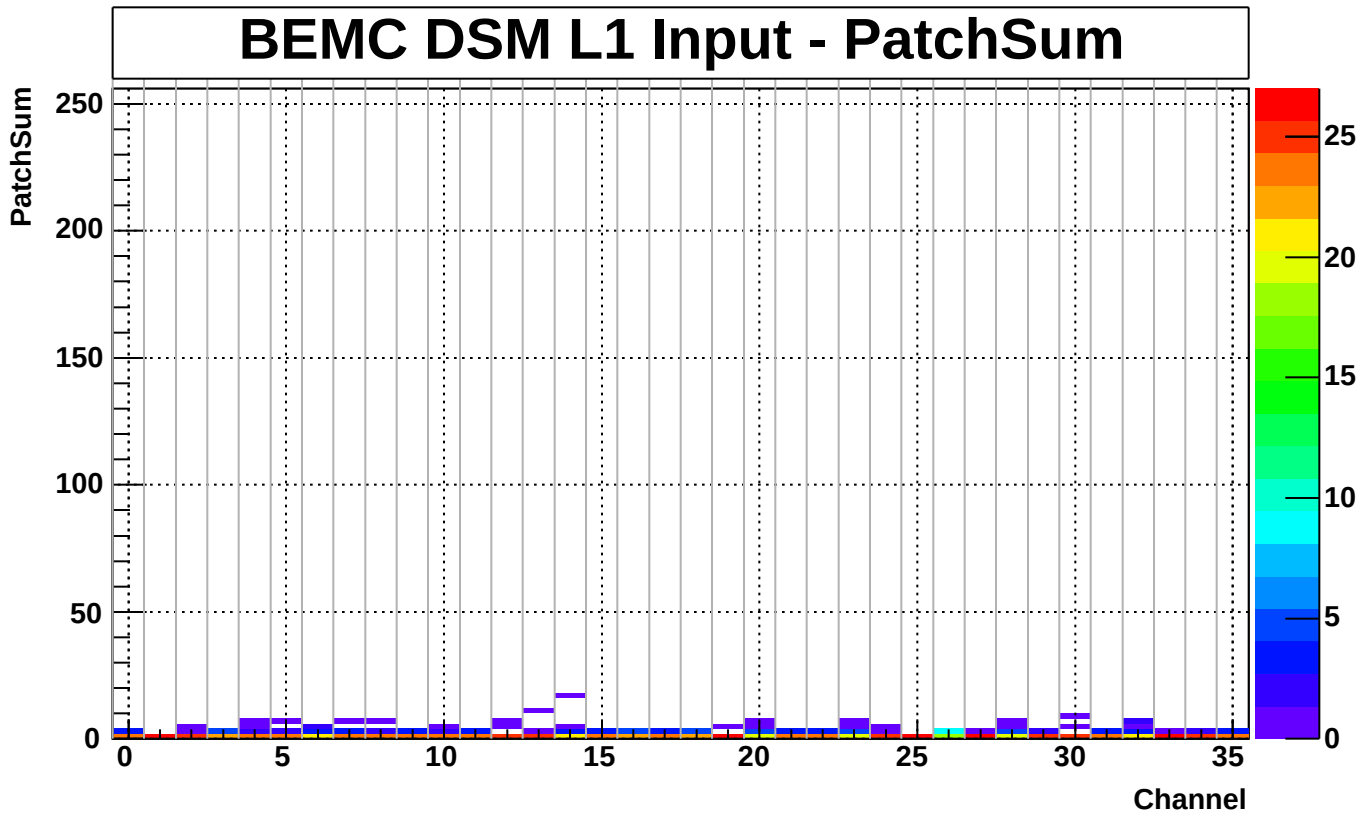


Sun Feb 27 22:20:00 2011





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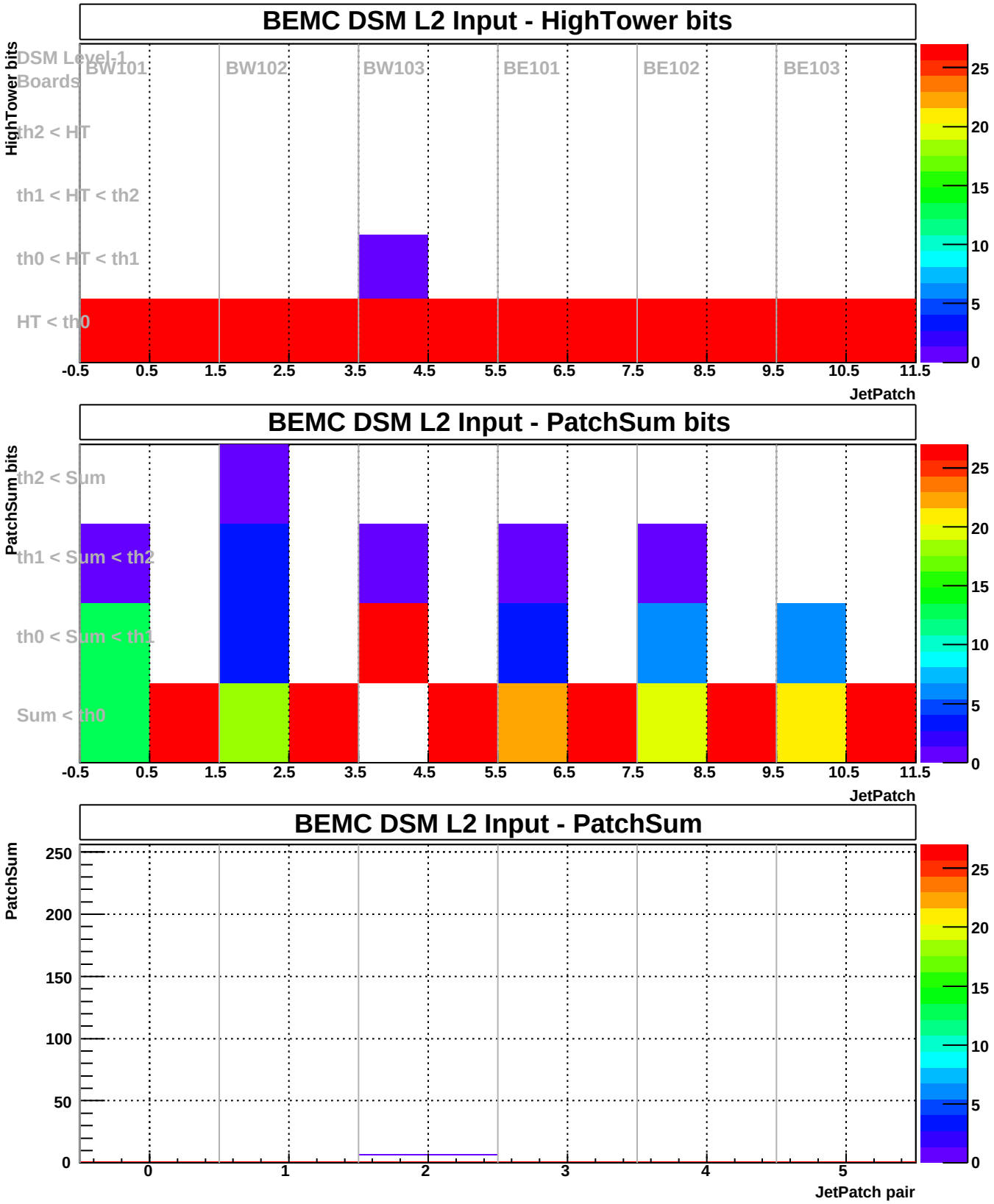

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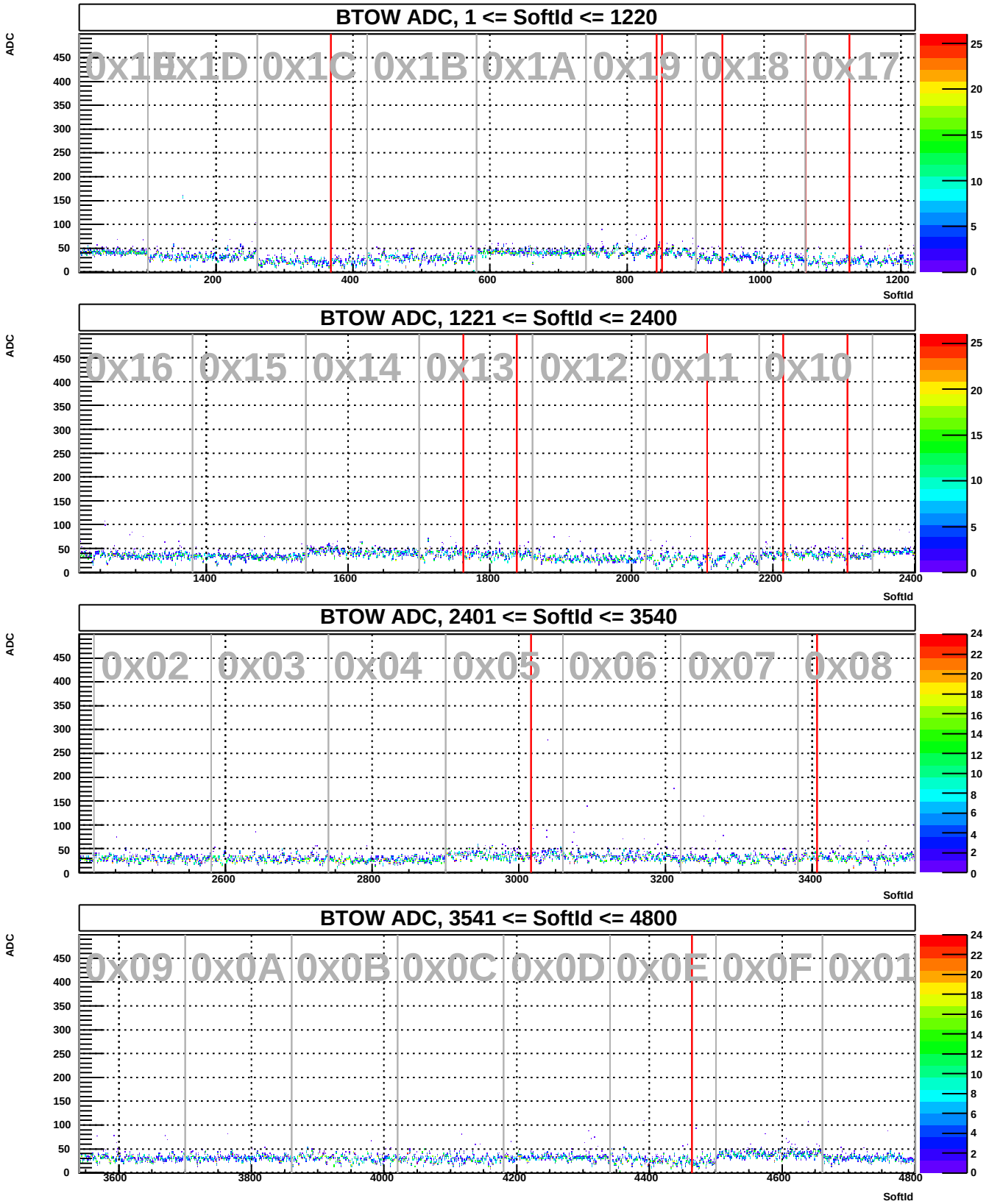
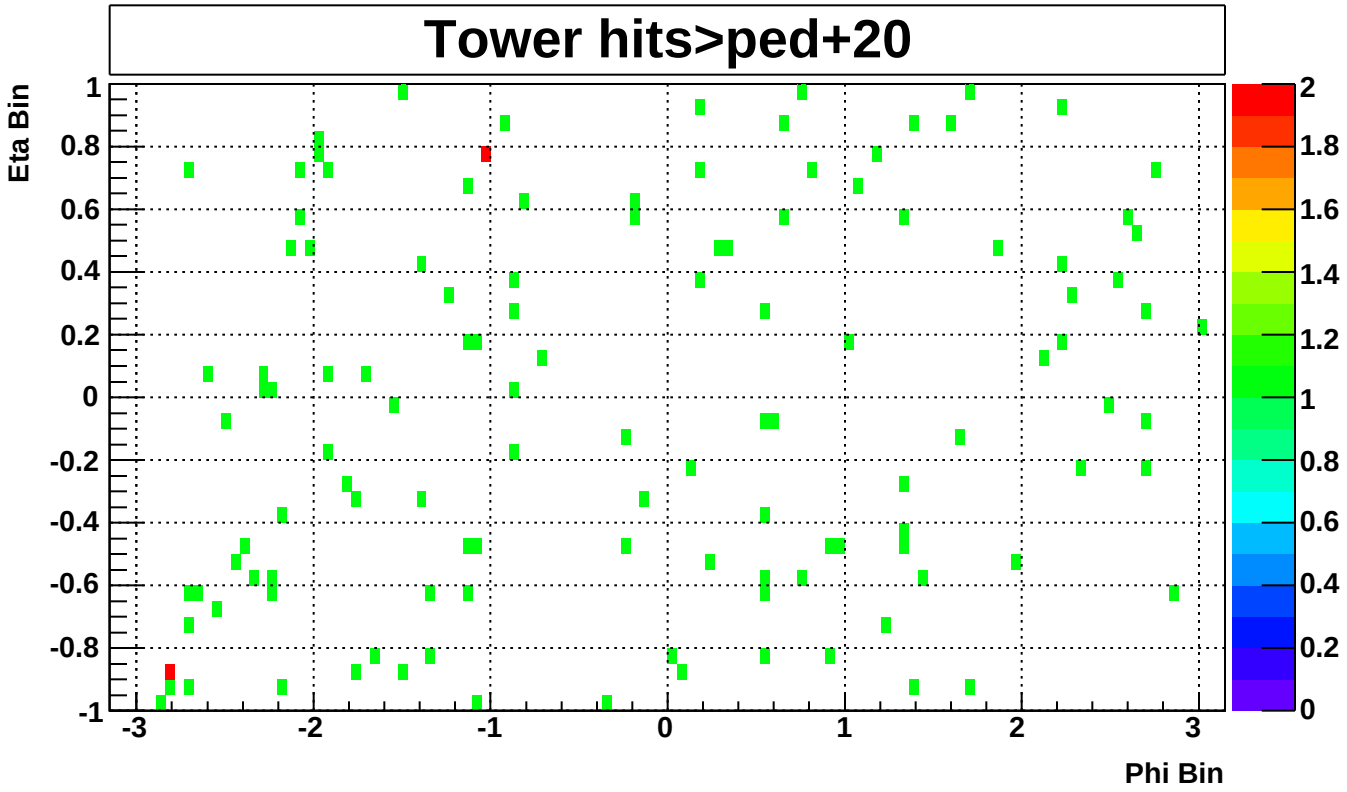
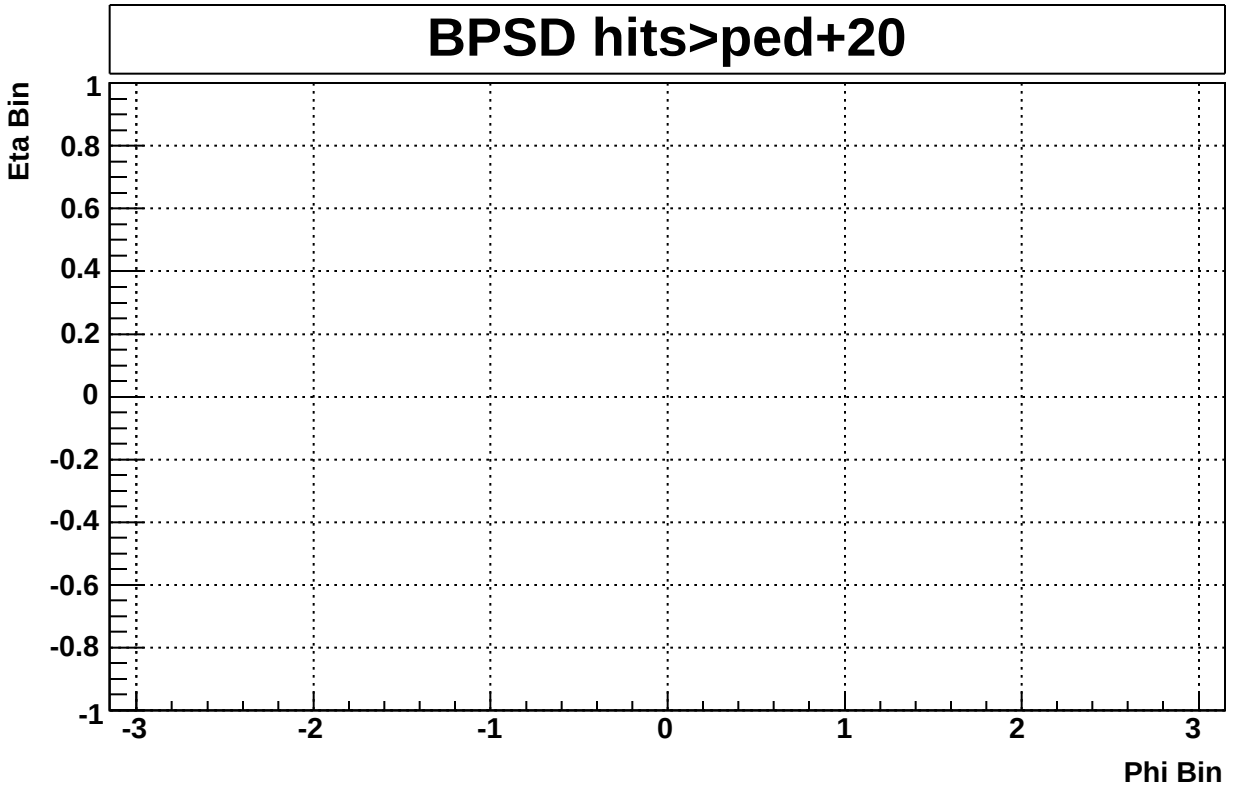
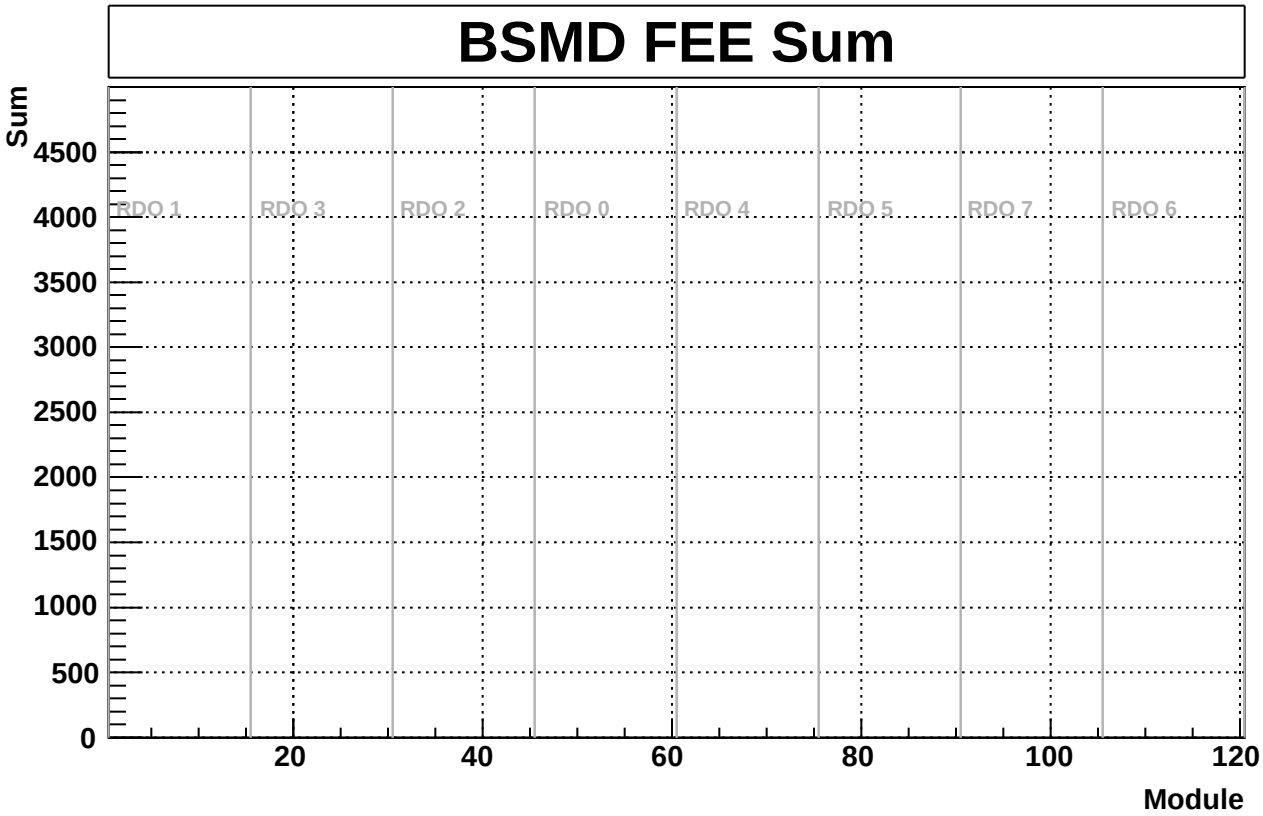


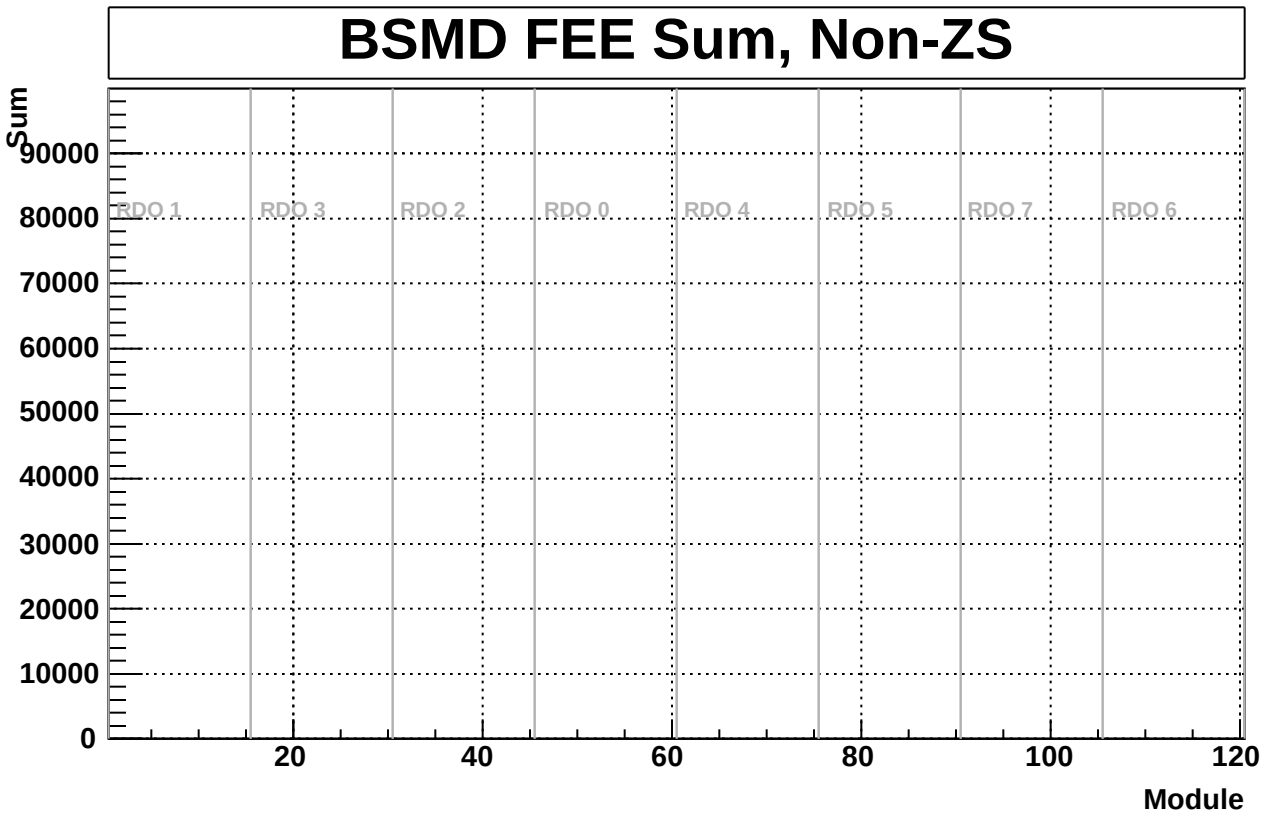
Sun Feb 27 22:20:01 2011



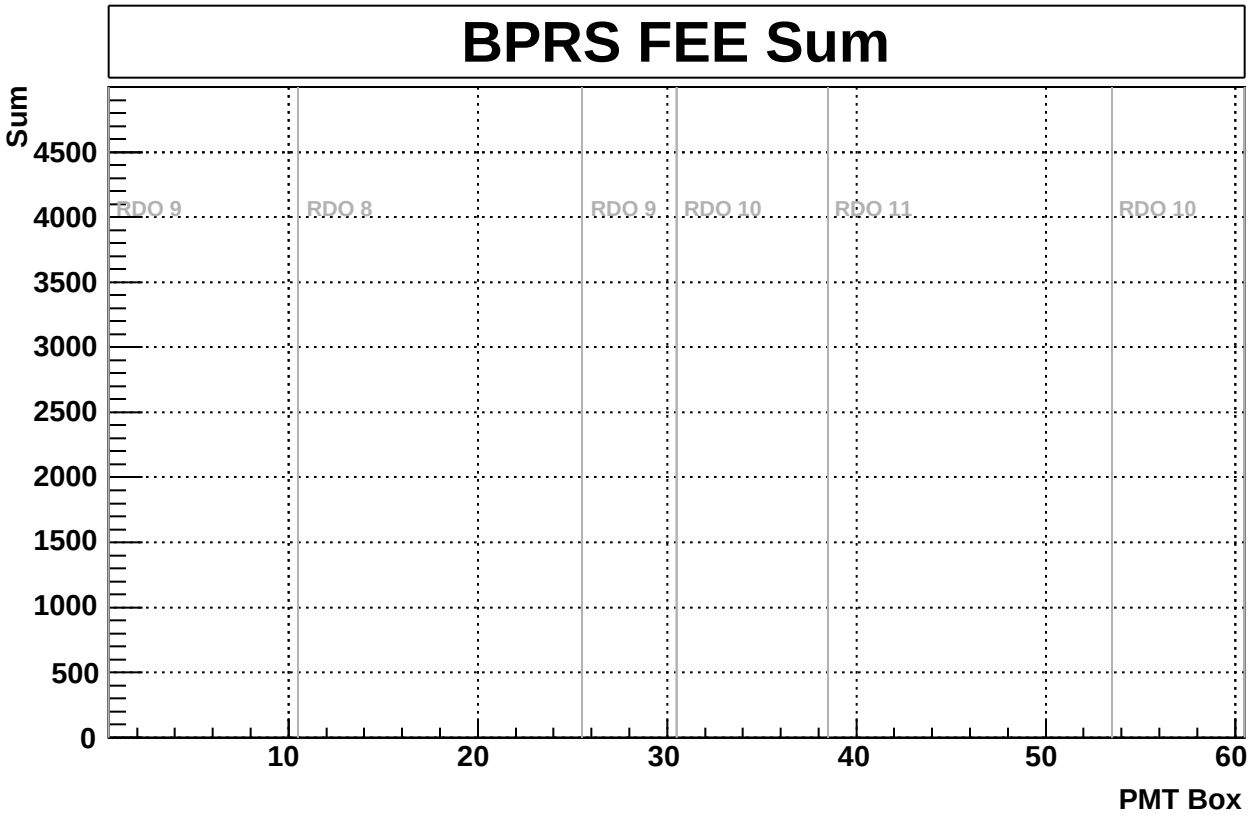


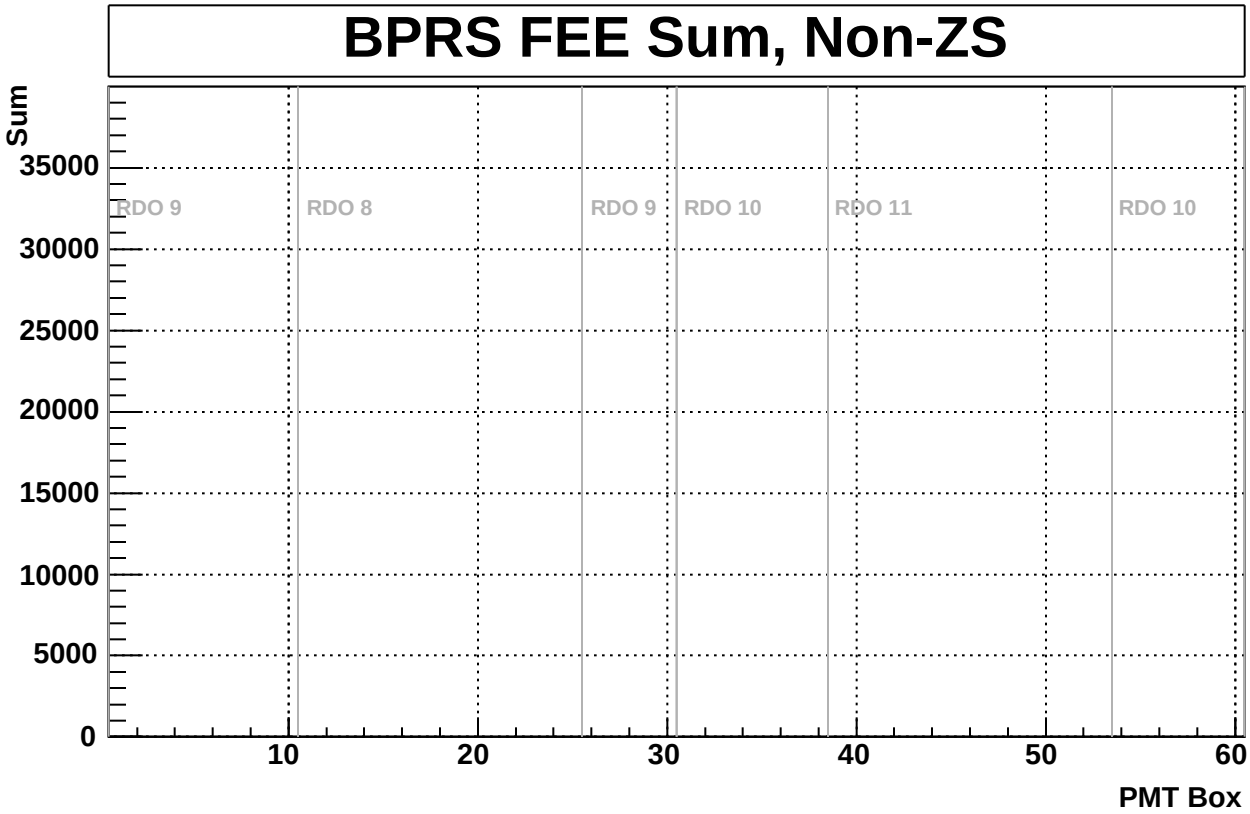
Sun Feb 27 22:20:02 2011





Sun Feb 27 22:20:04 2011





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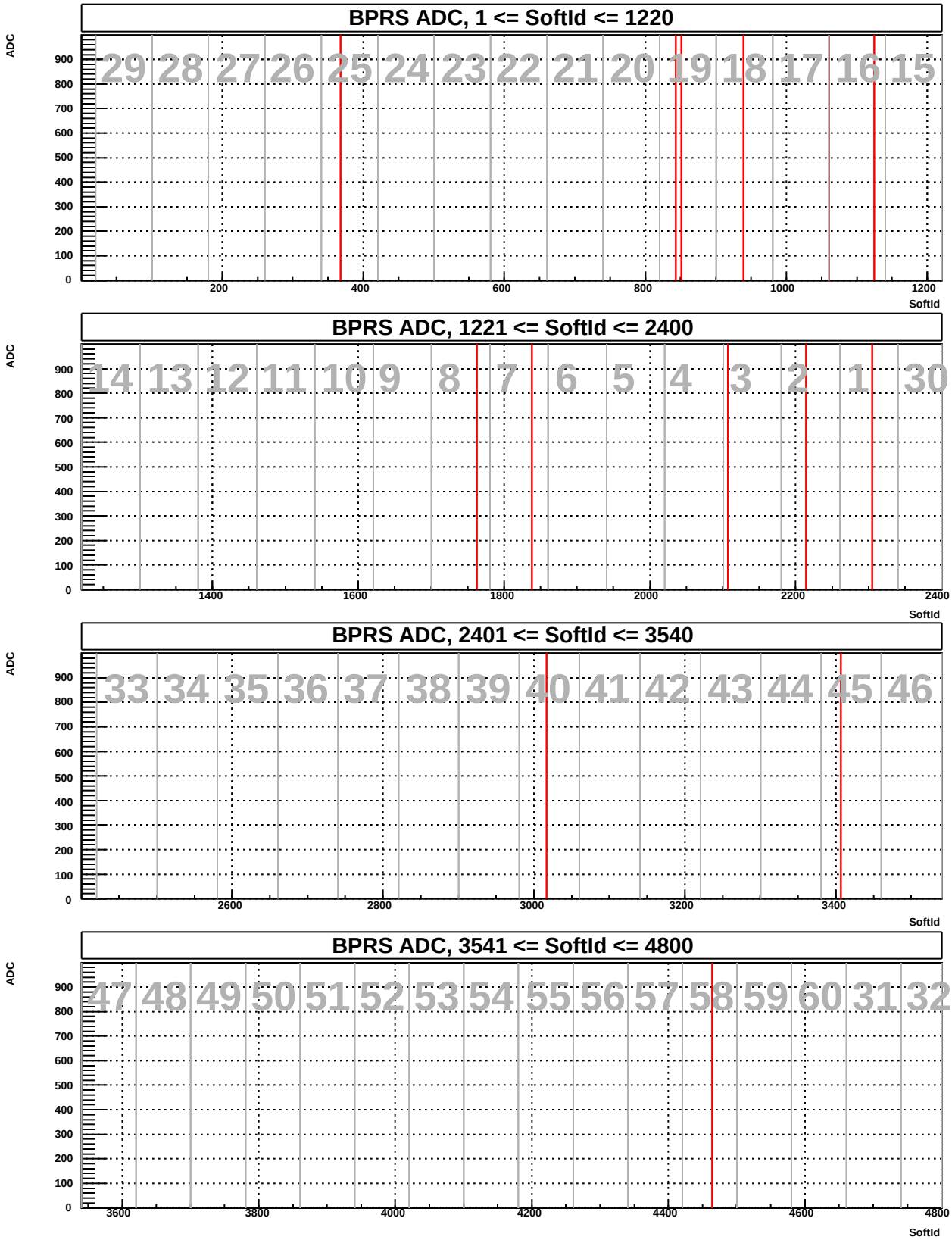
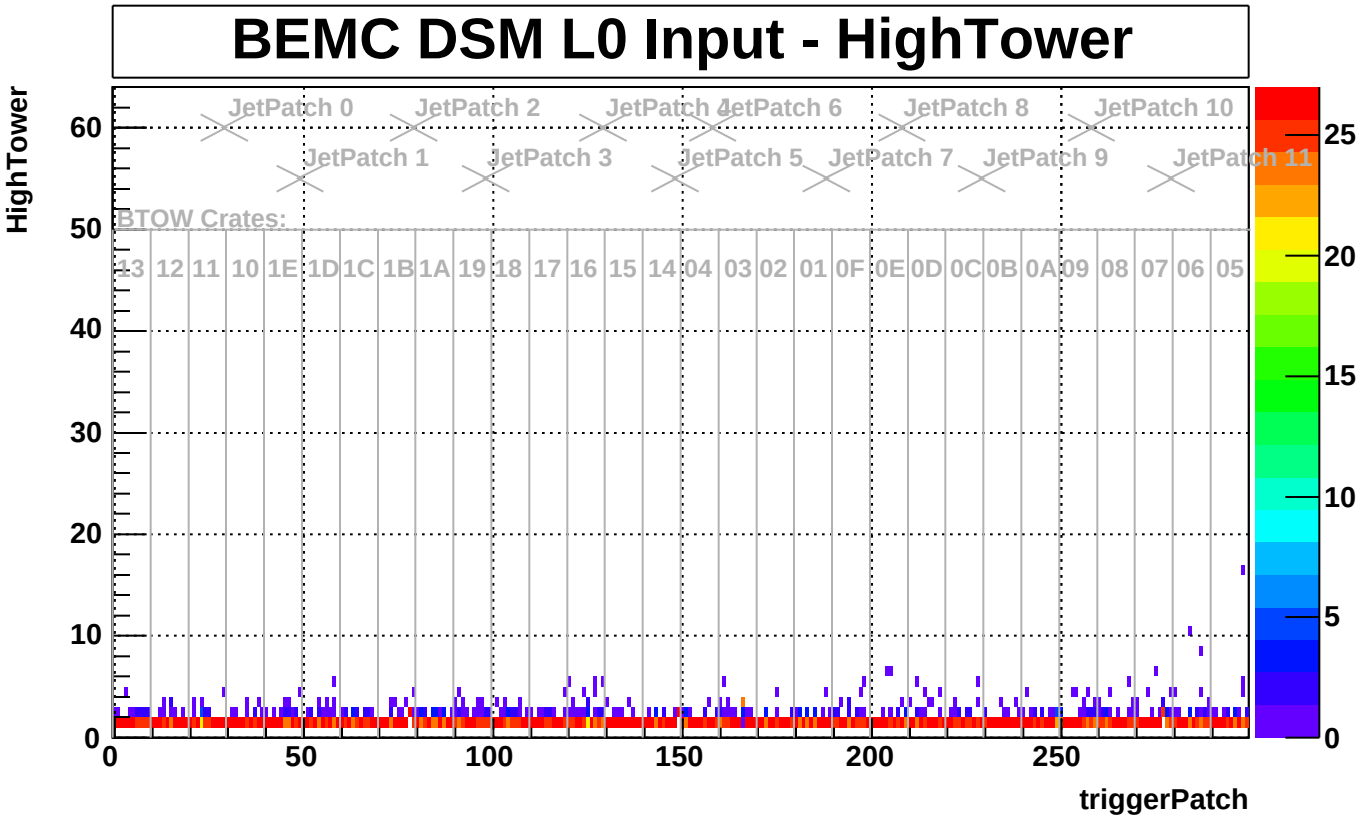
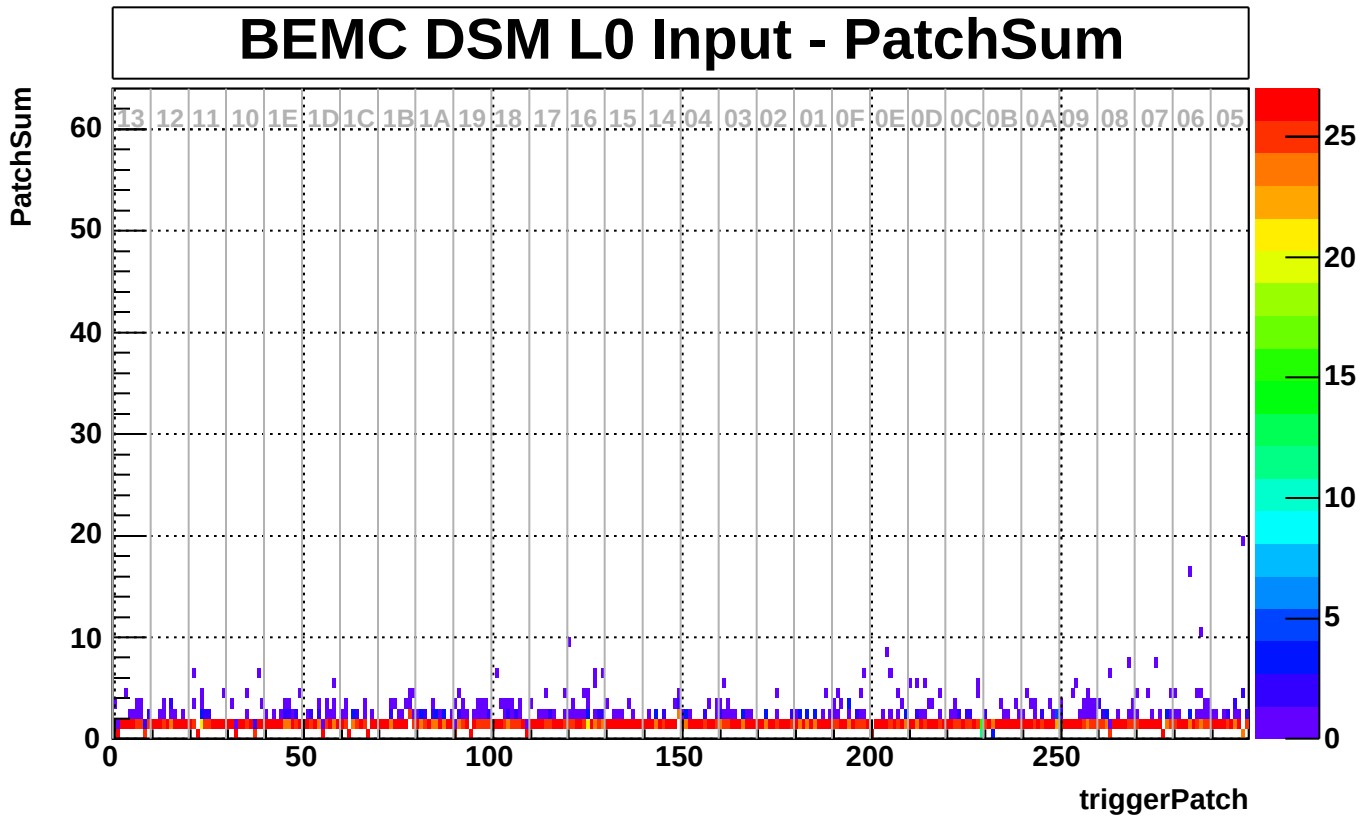


Sun Feb 27 22:20:05 2011





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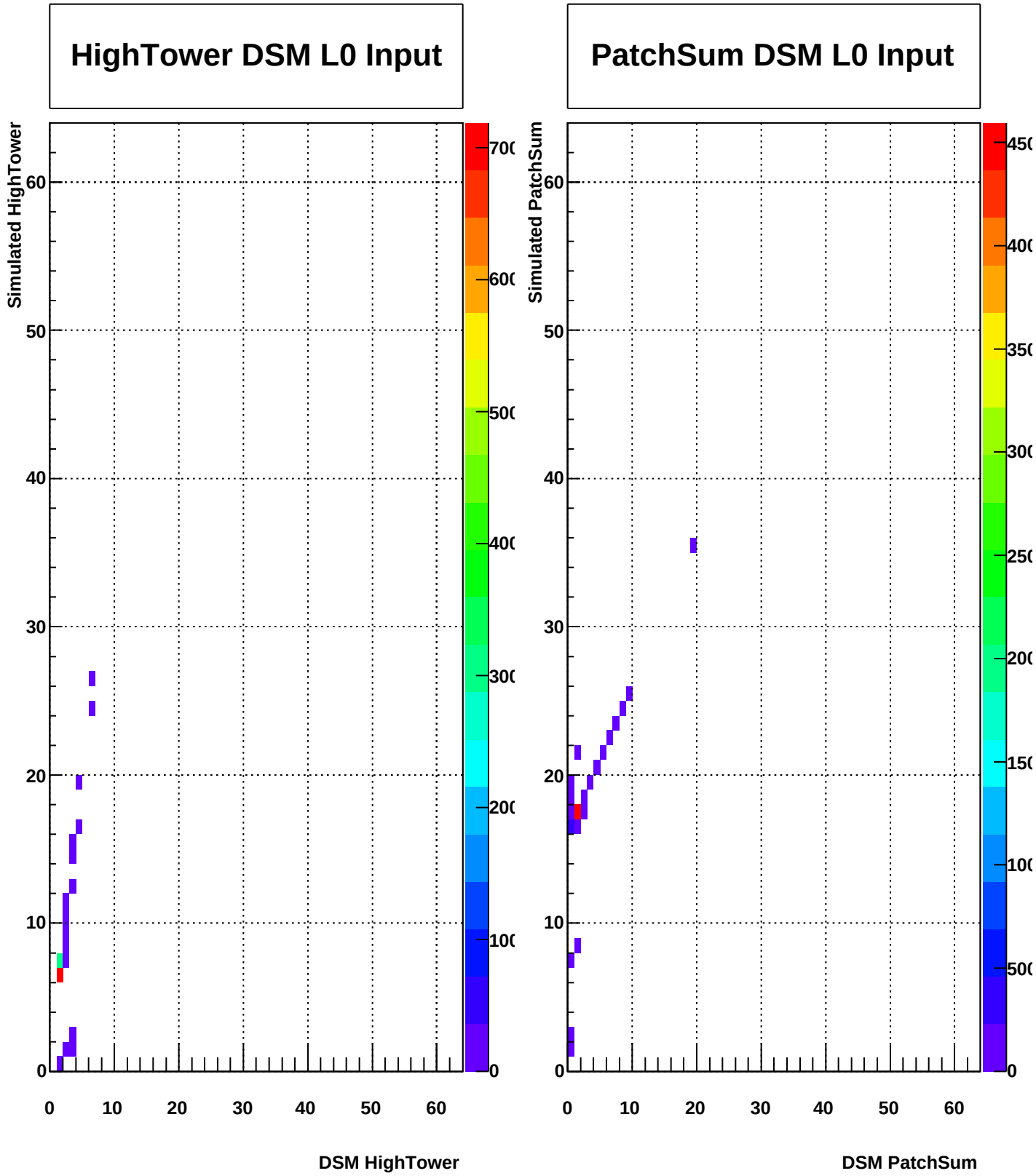

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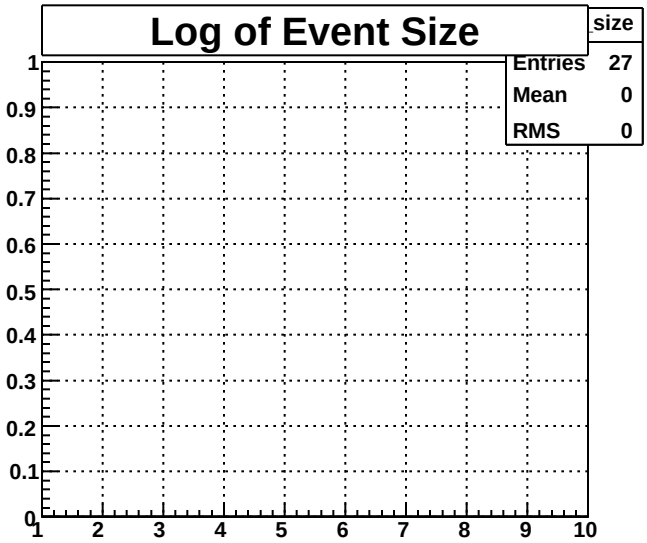
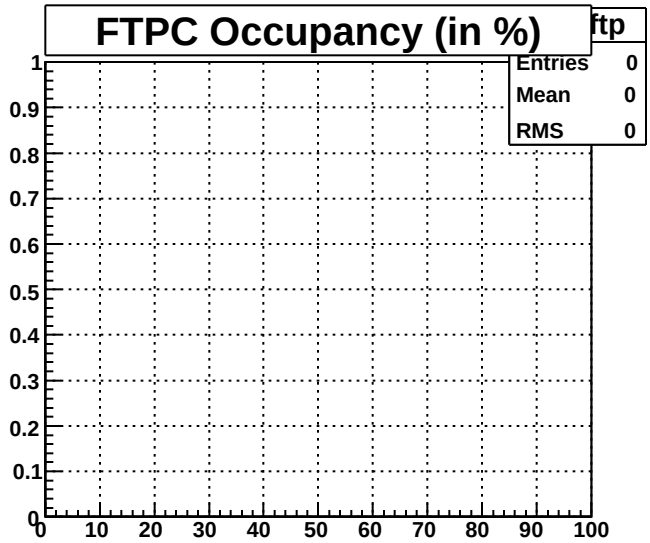
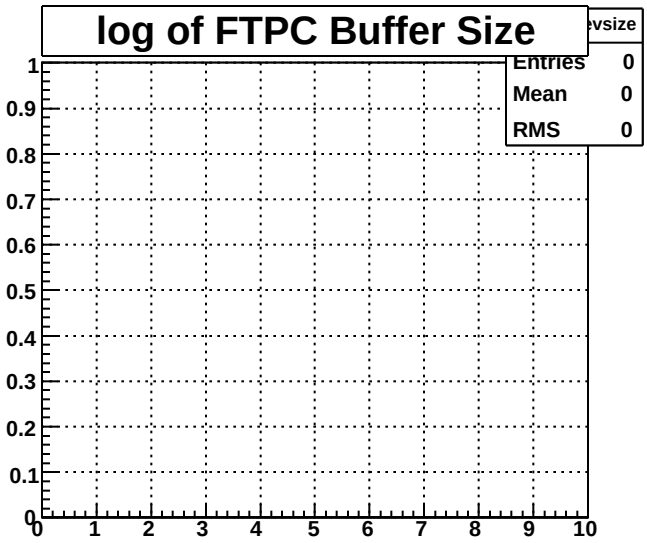
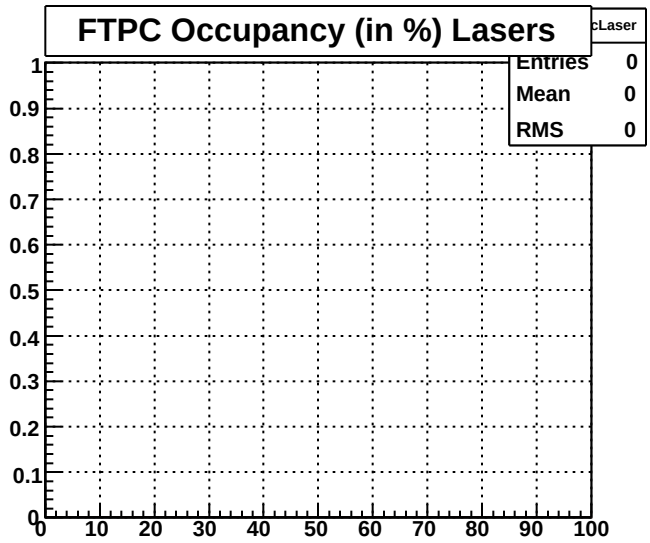
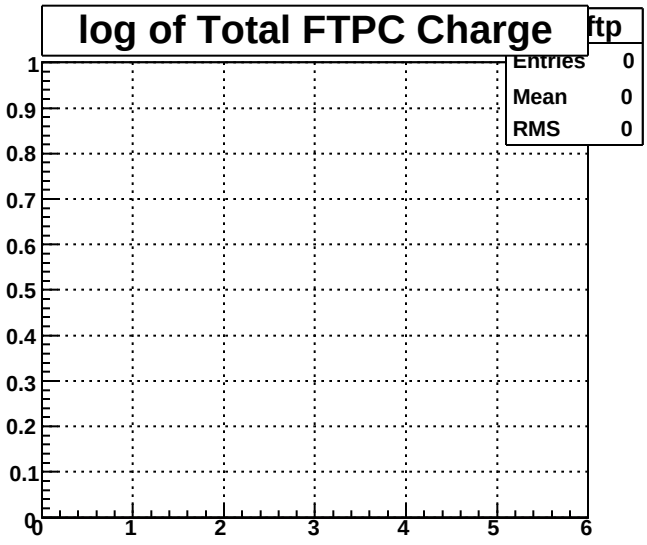
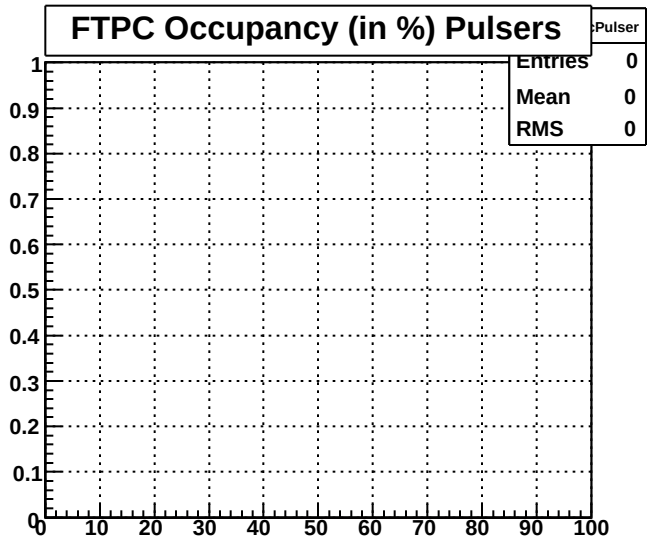

Log of Event Size
size
Entries 27
Mean 0
RMS 0

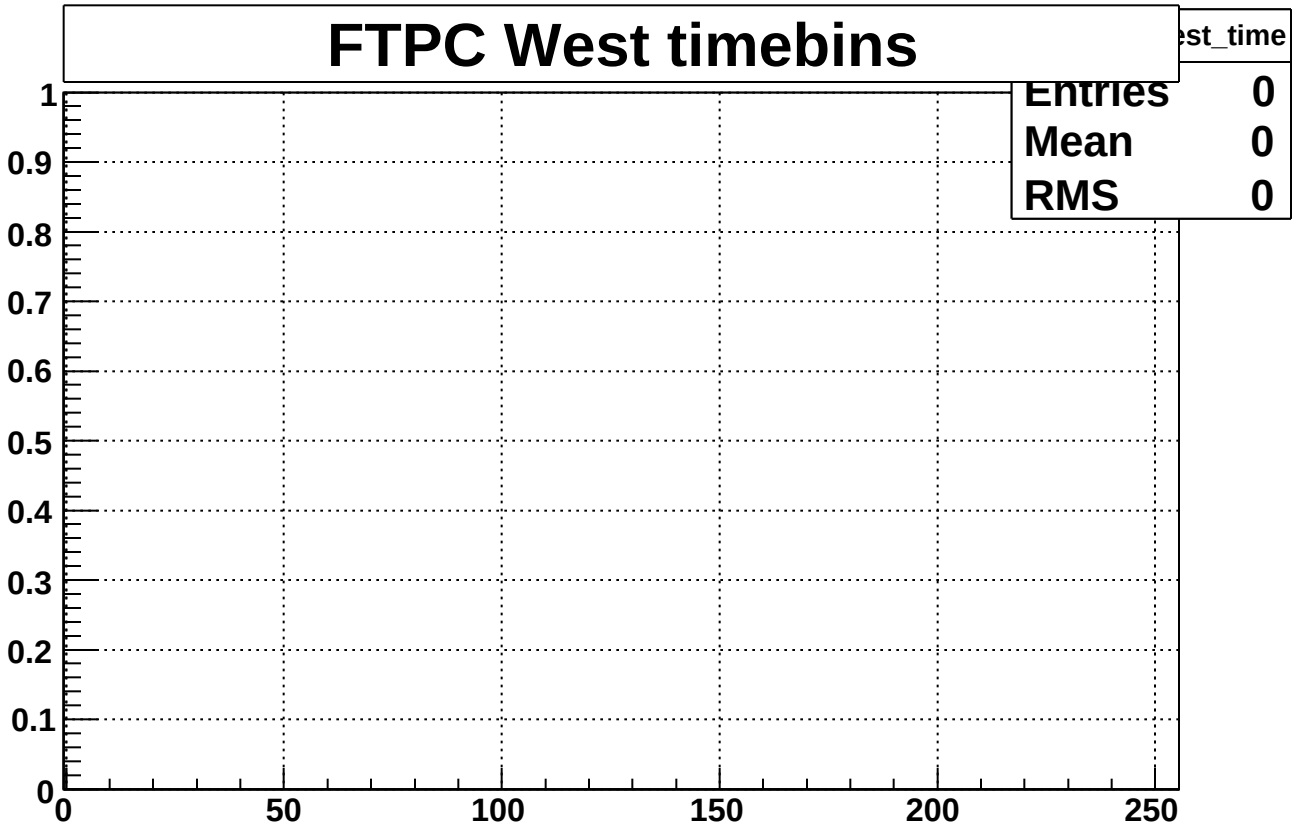

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

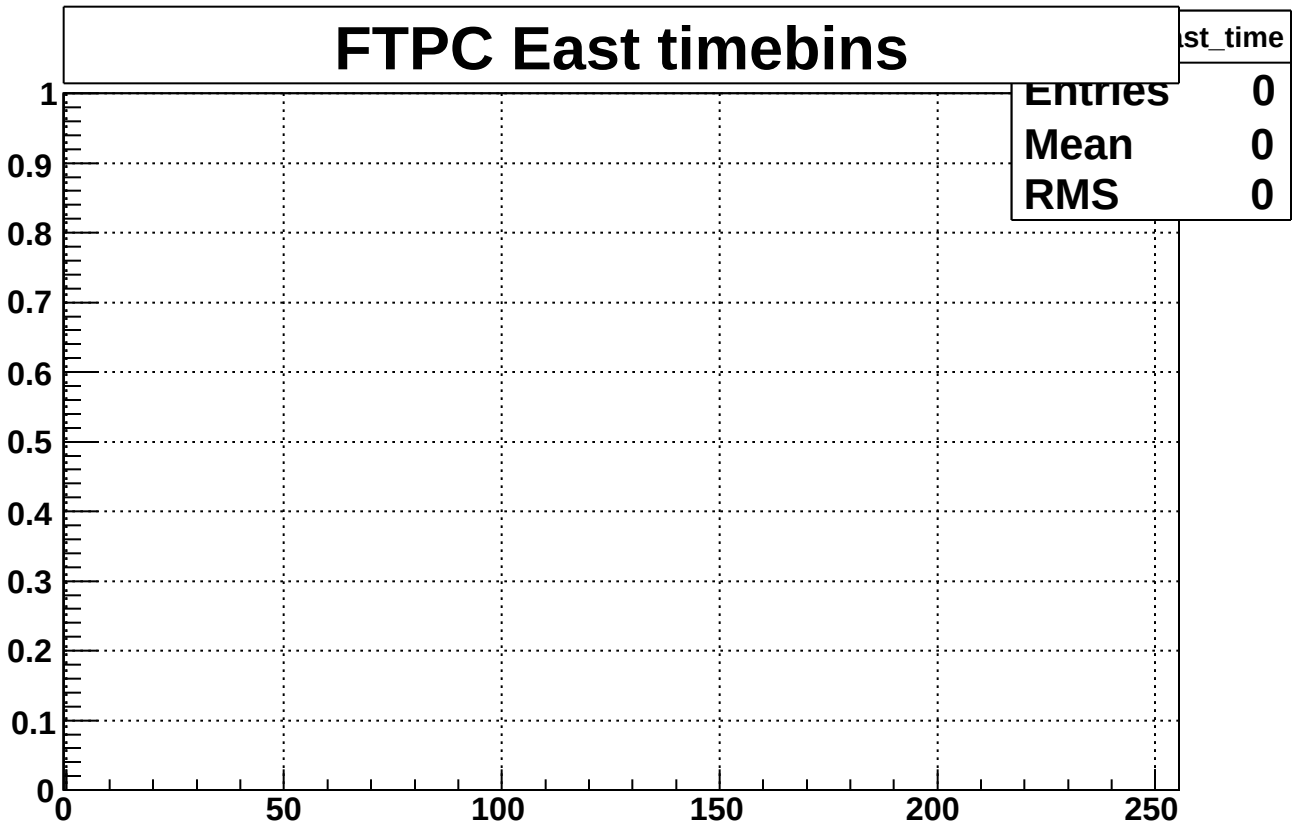

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

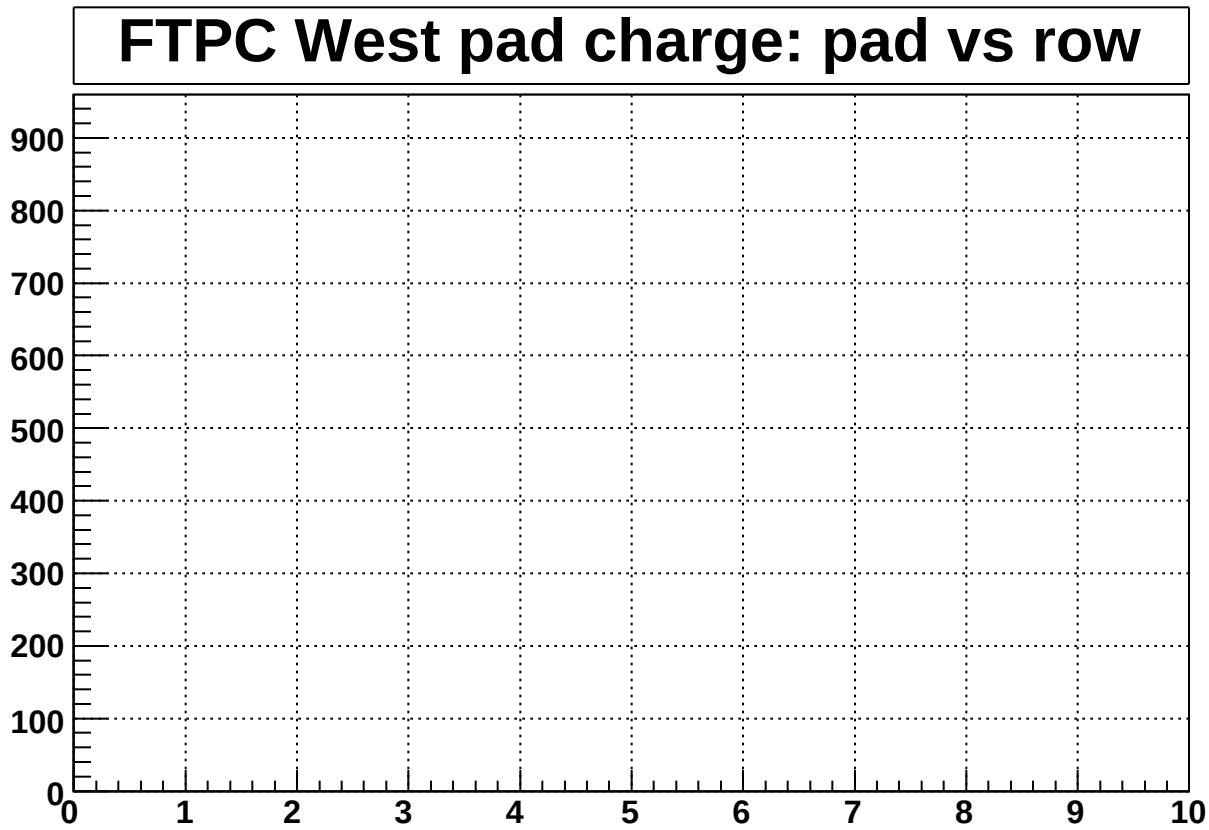

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

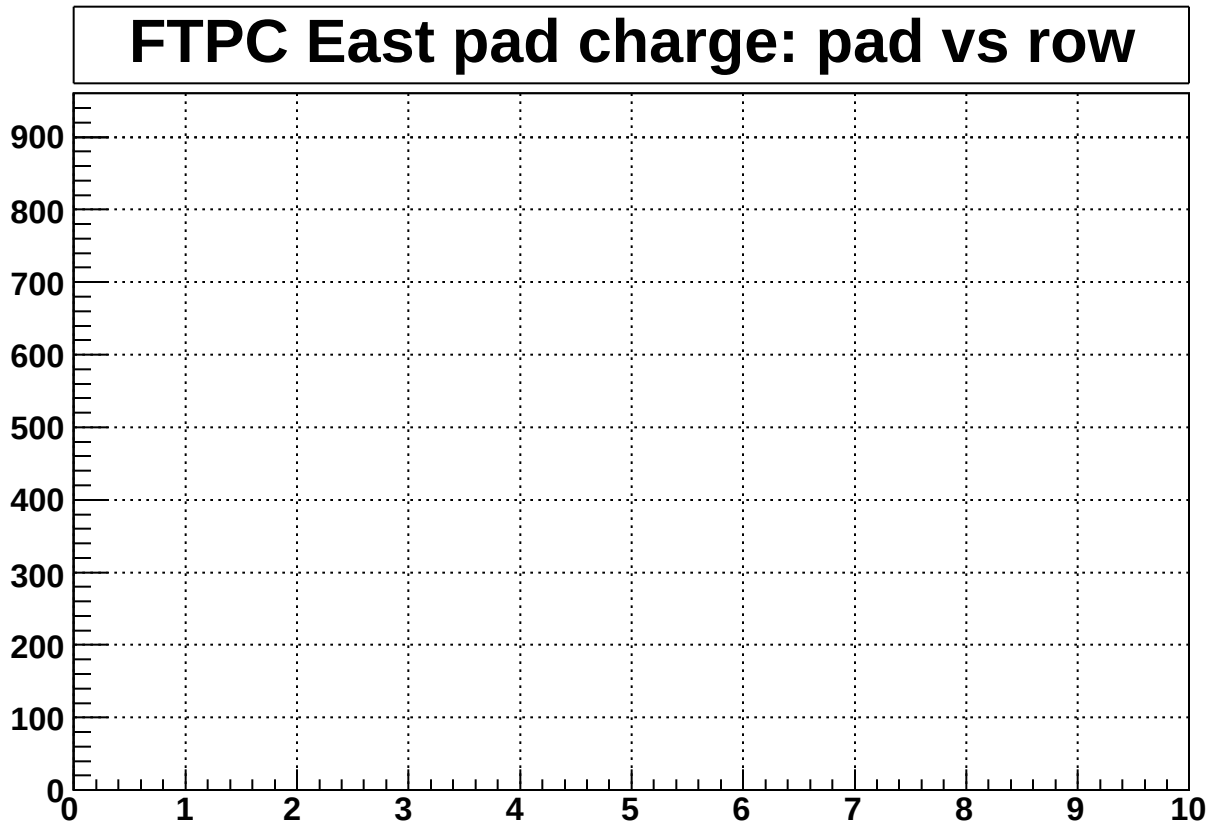

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

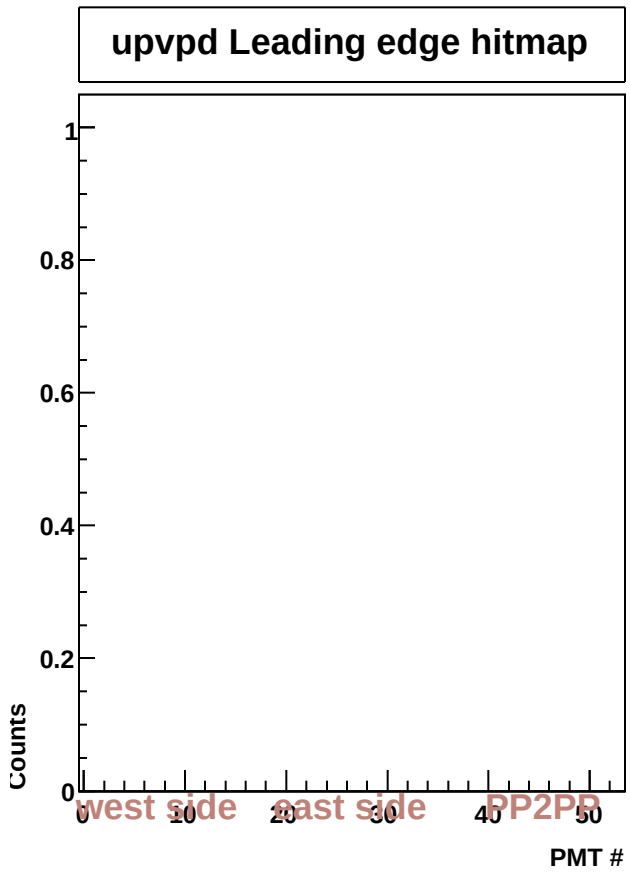

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

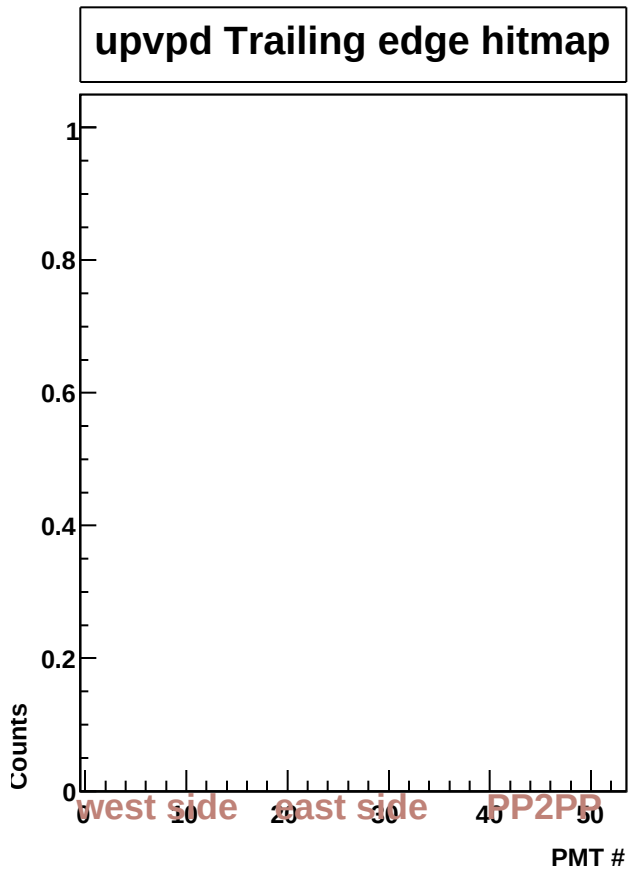

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

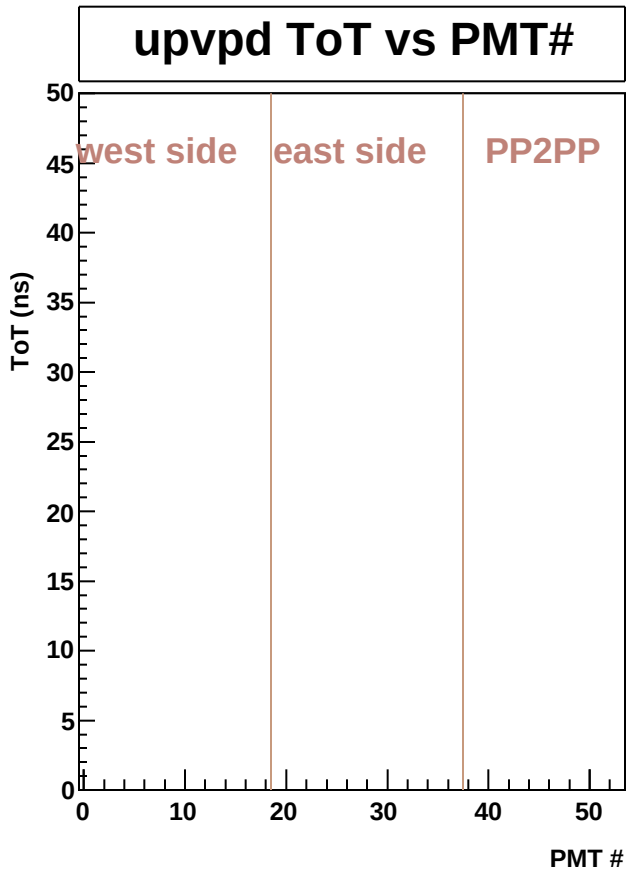

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

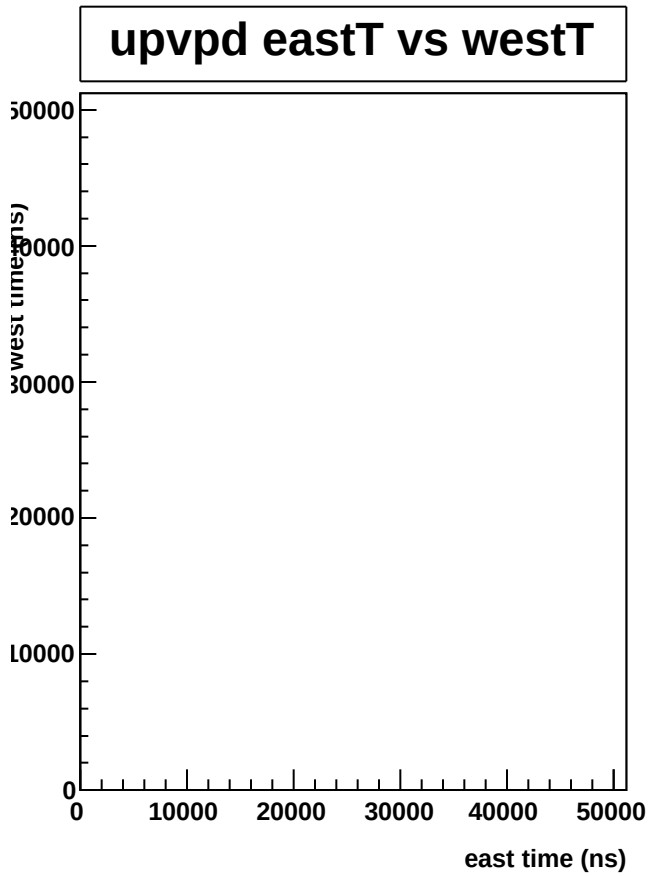

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

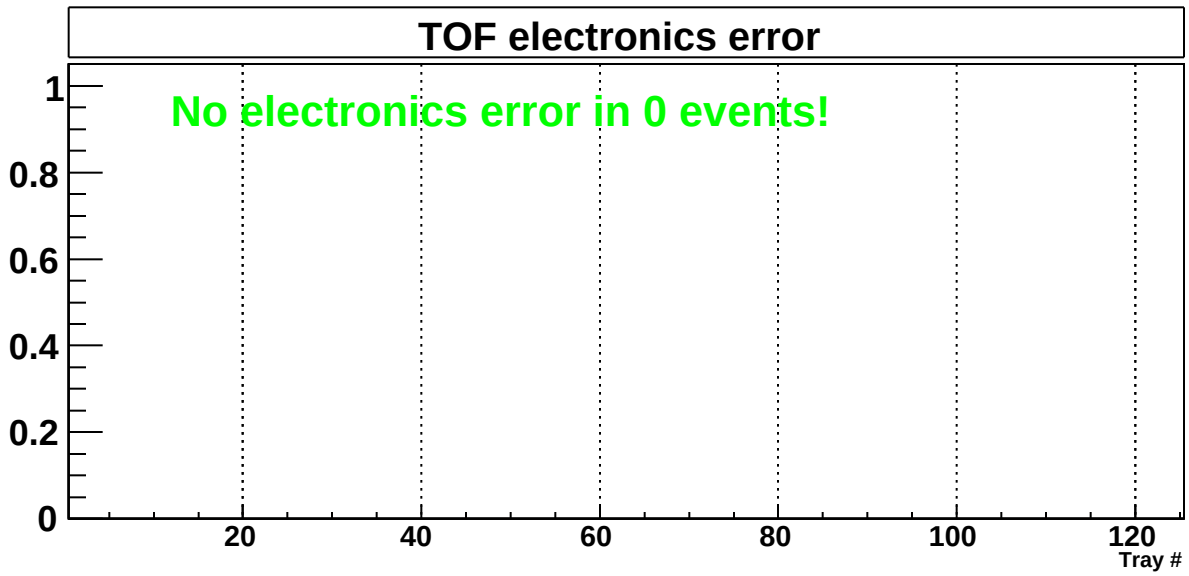

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

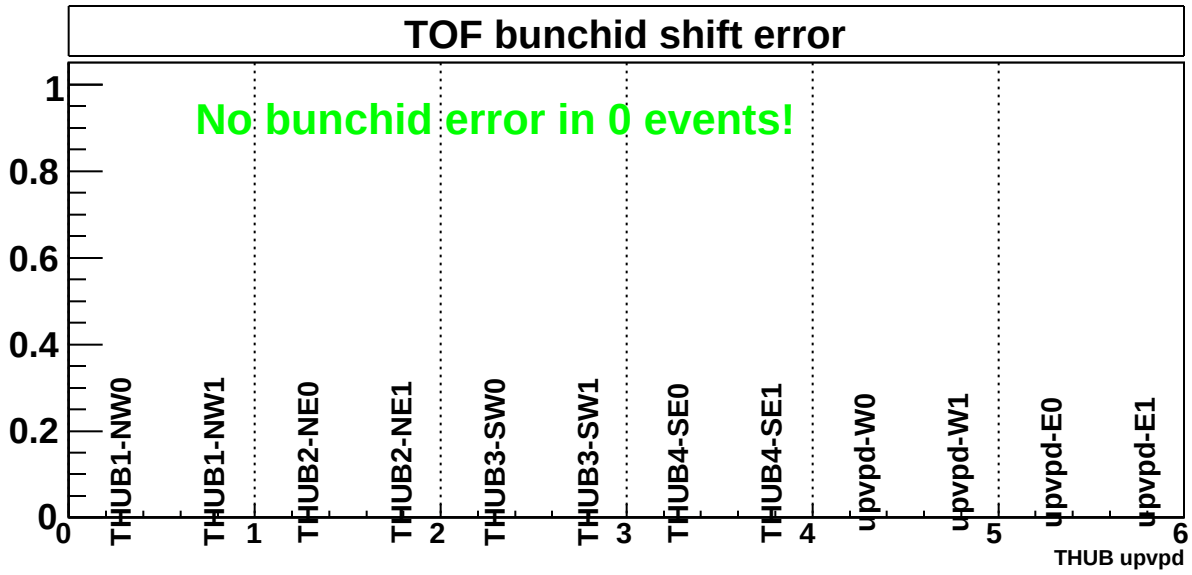

upvpd Leading edge hitmap
Counts
PMT #
west side
east side
PP2PP

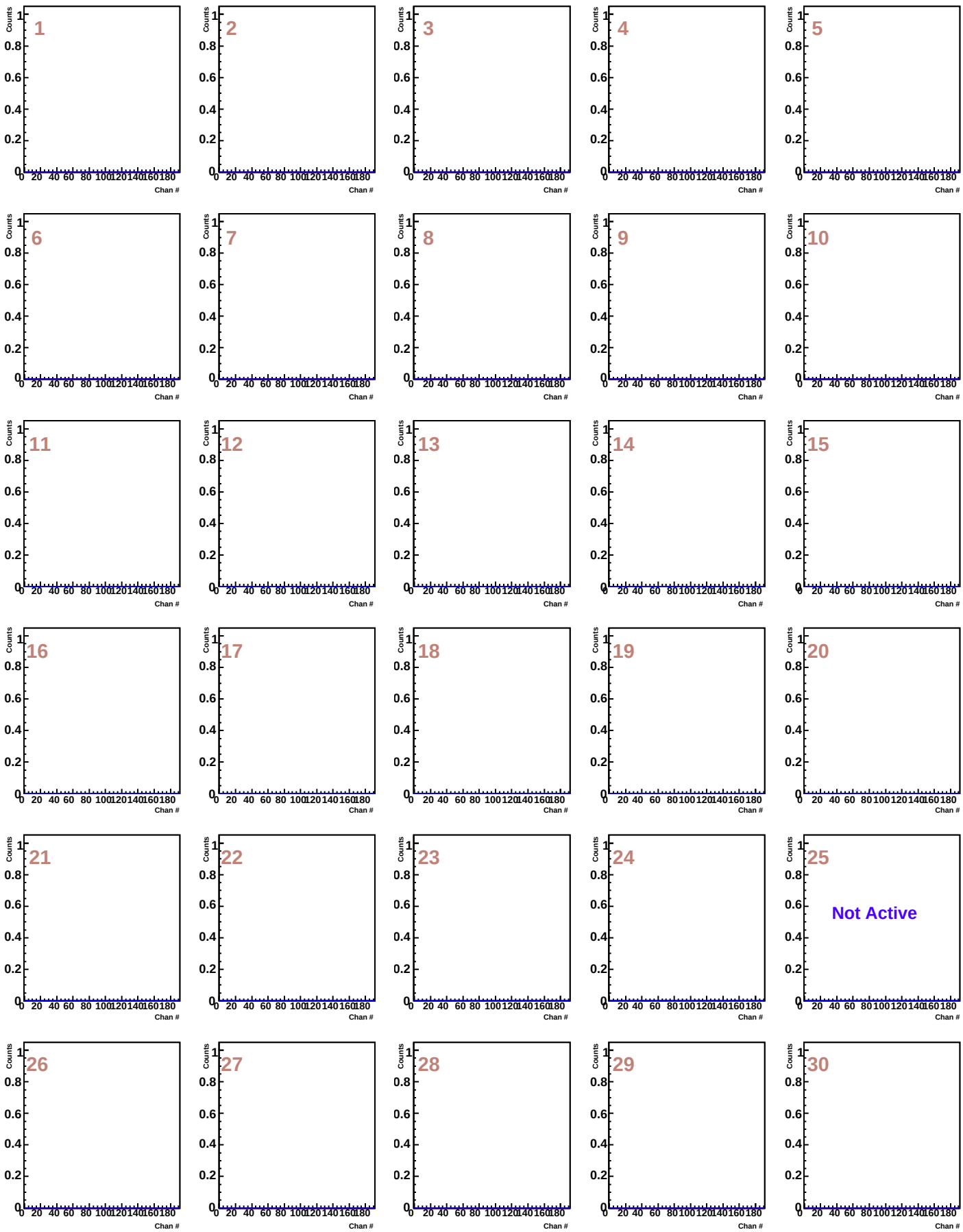

upvpd Trailing edge hitmap
Counts
PMT #
west side
east side
PP2PP


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
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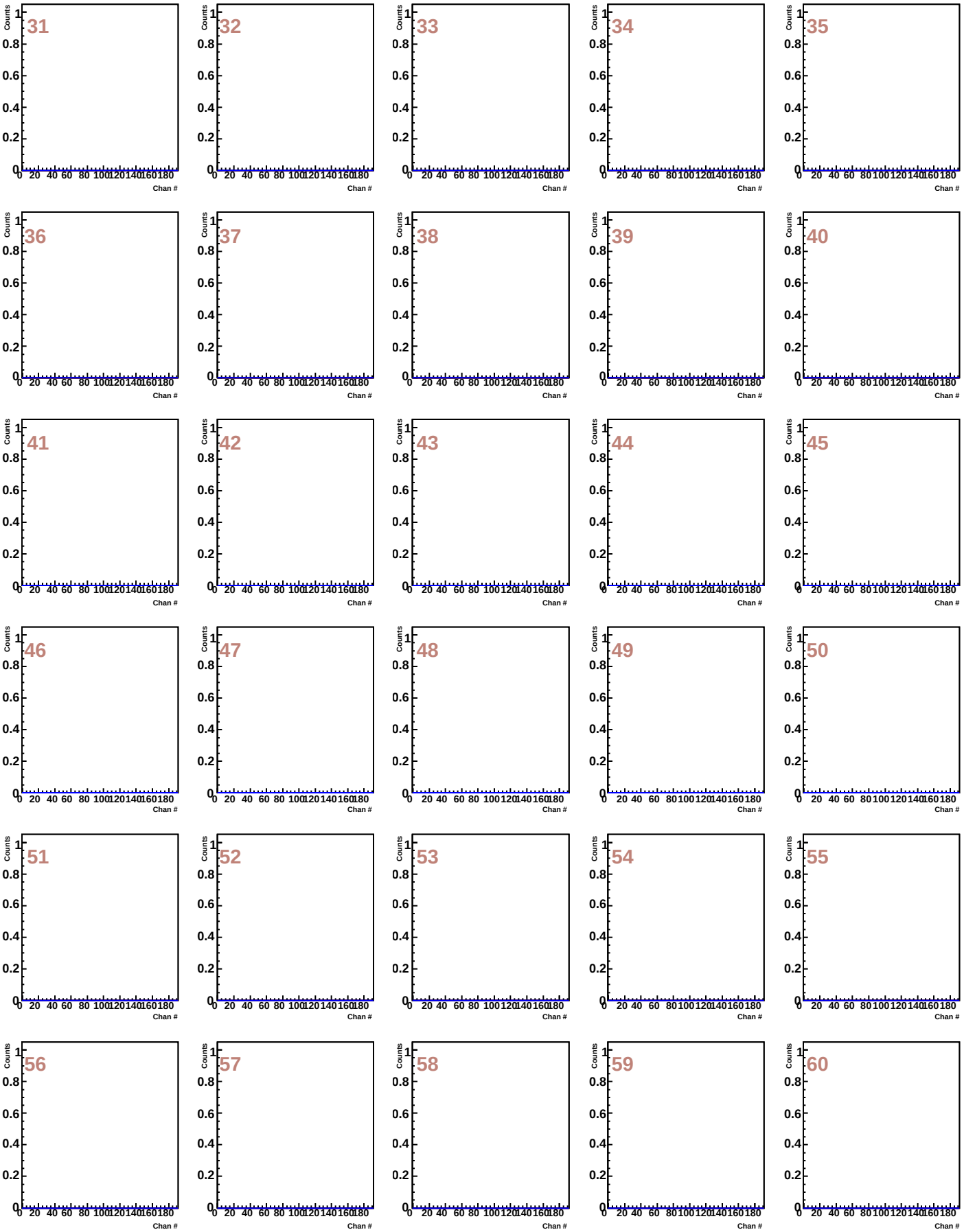
15
16
17
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #


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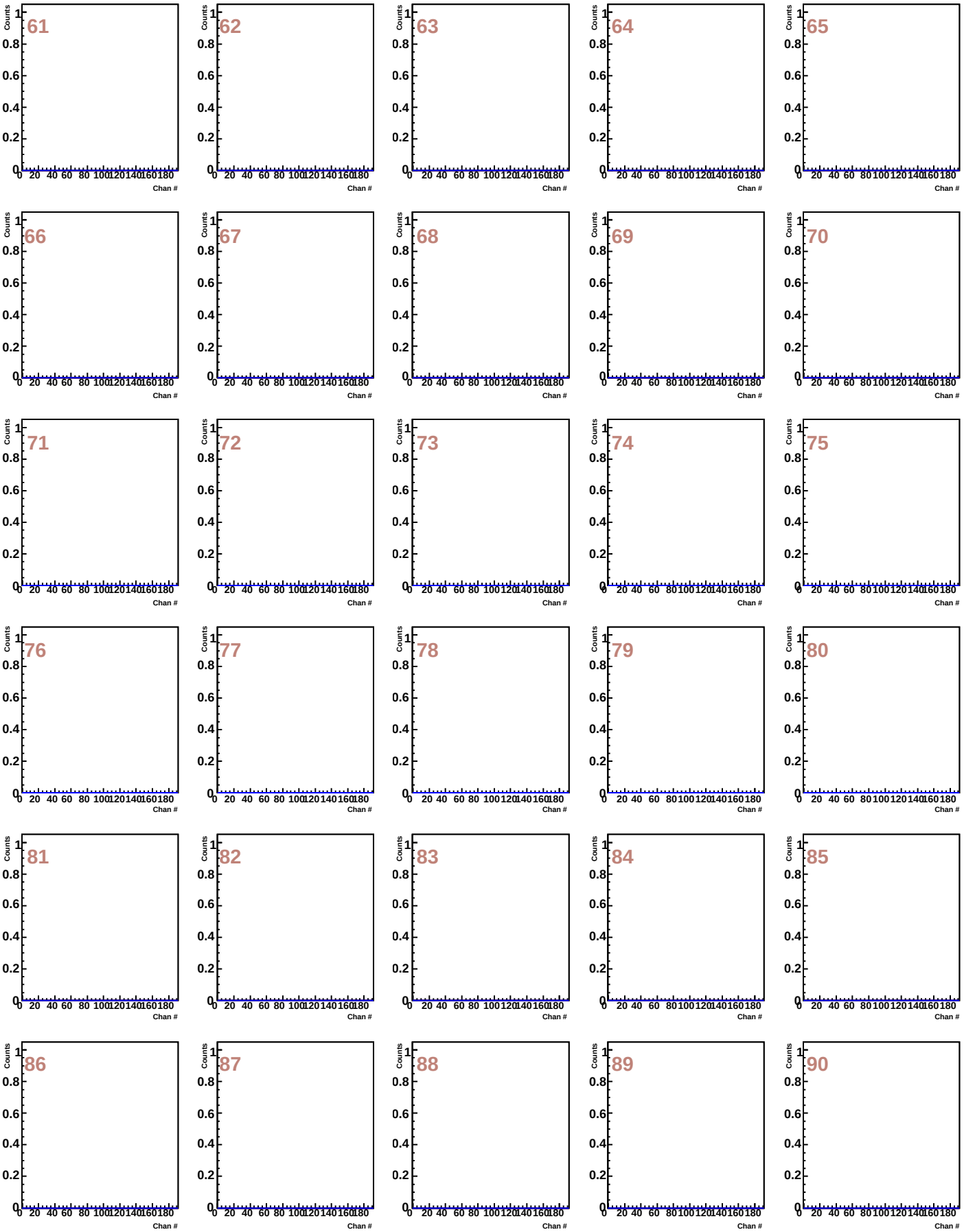
51
52
53
54
55
56
57
58
59
60
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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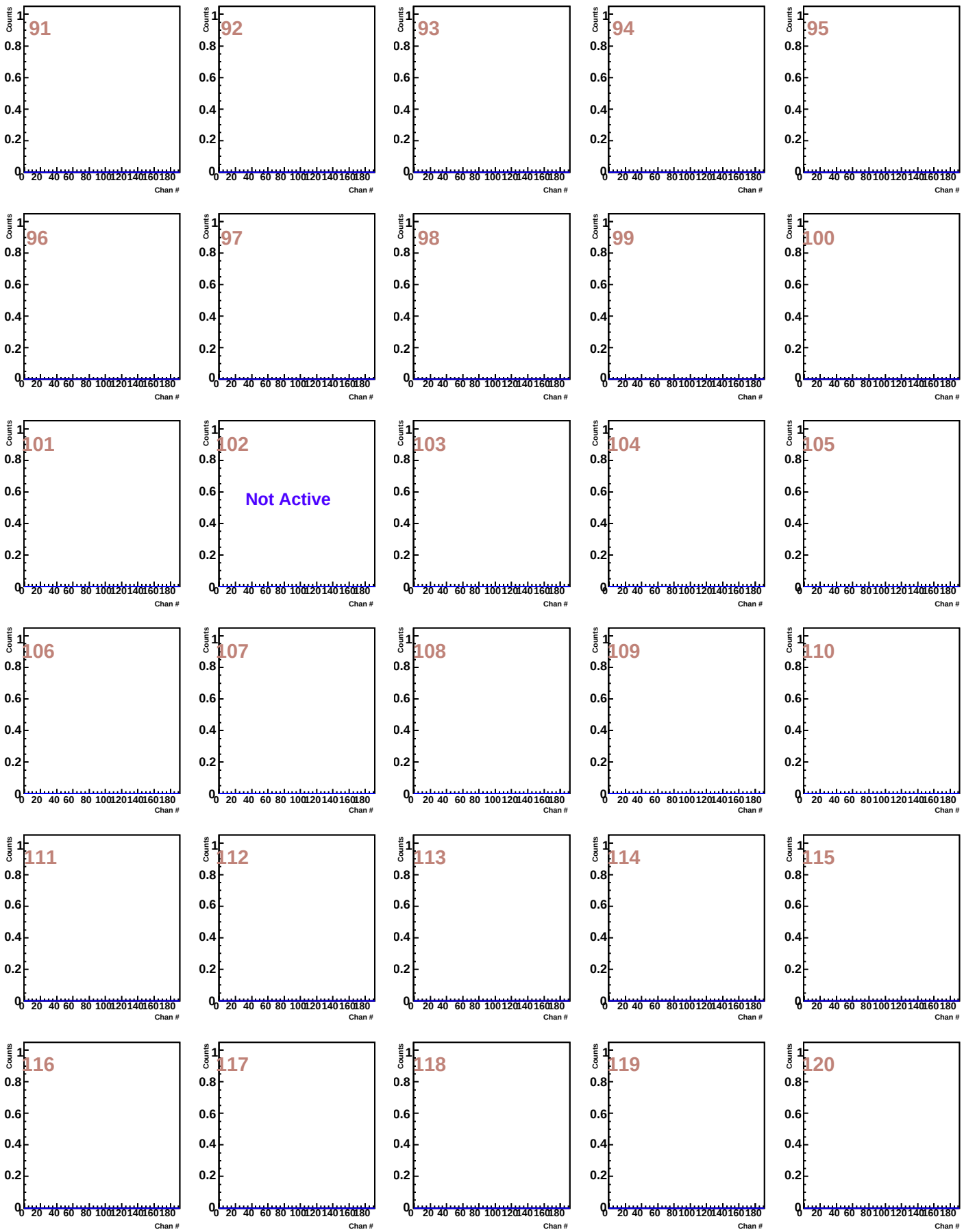
89
90
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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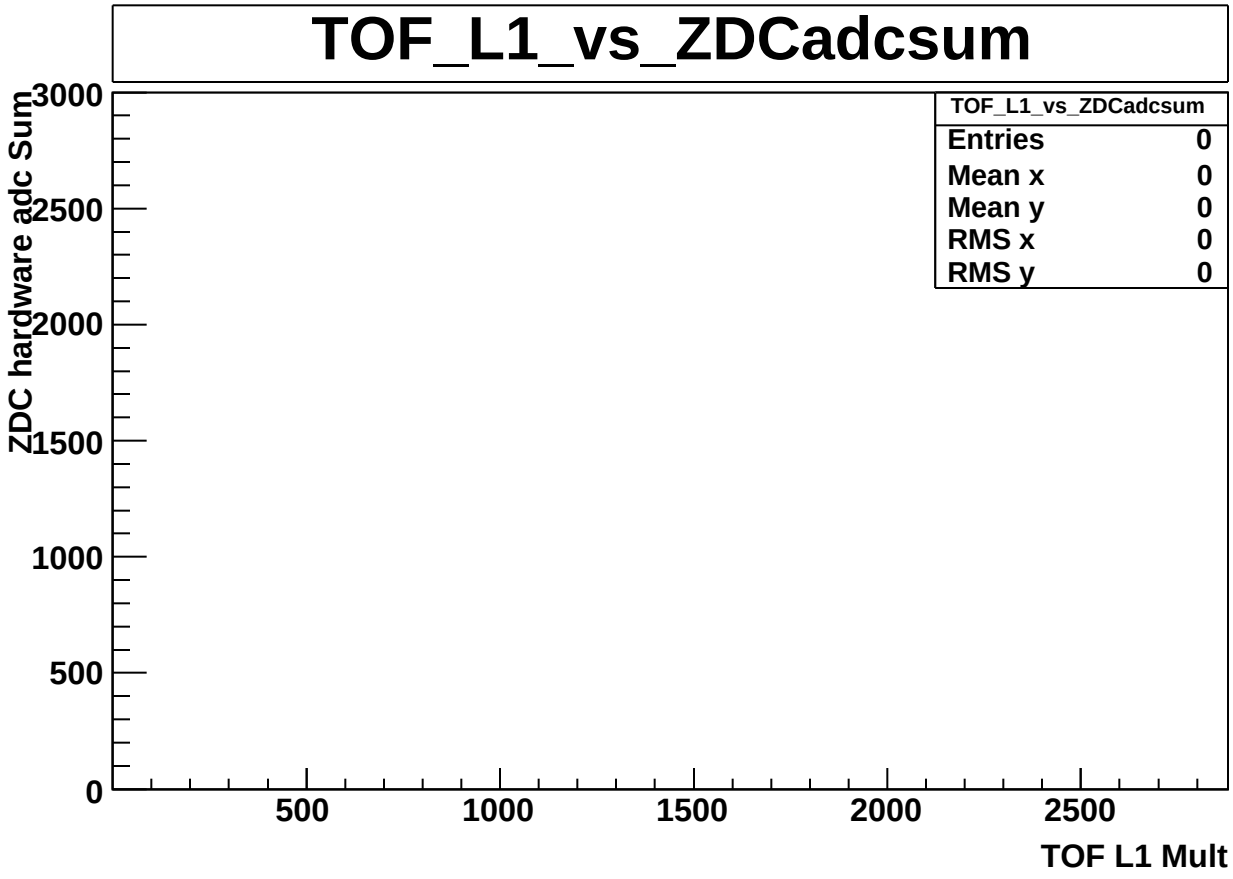
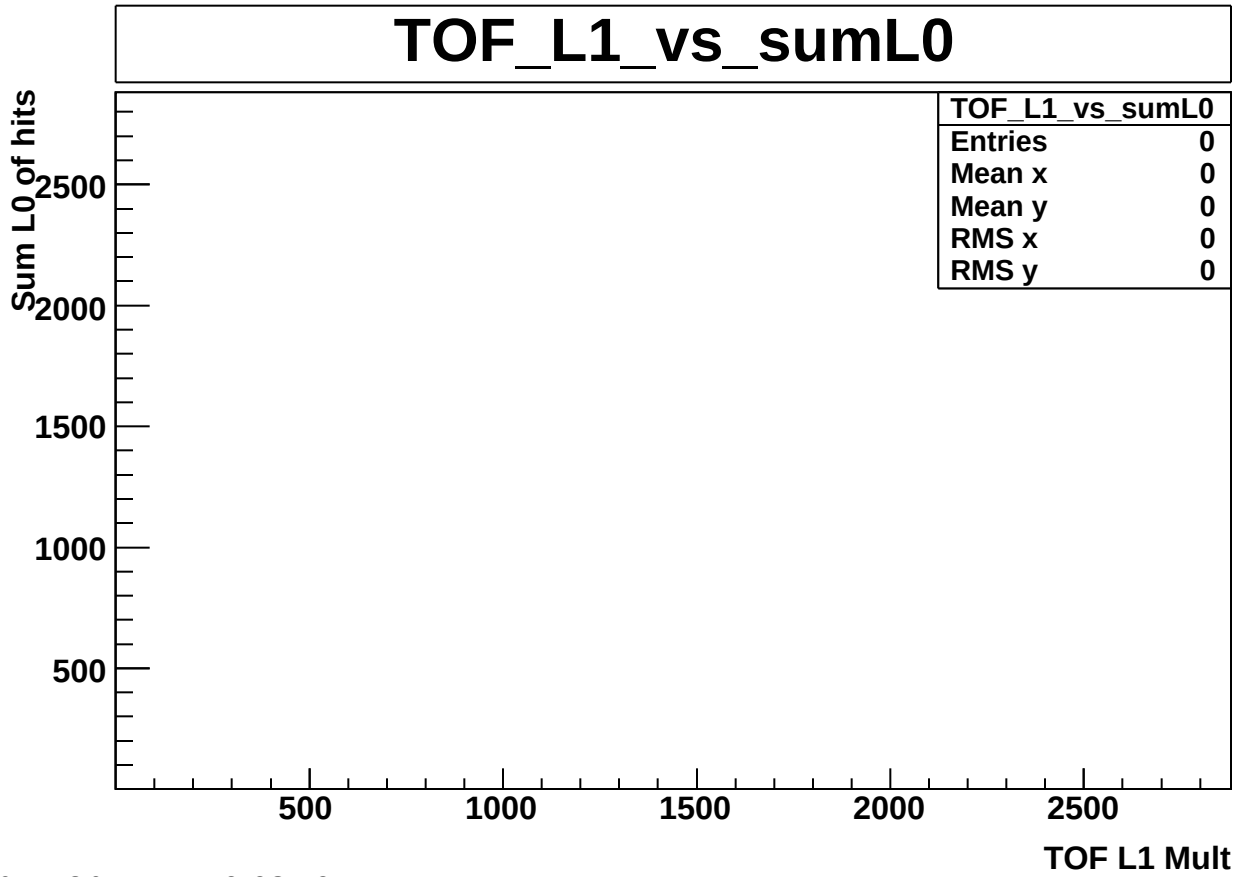
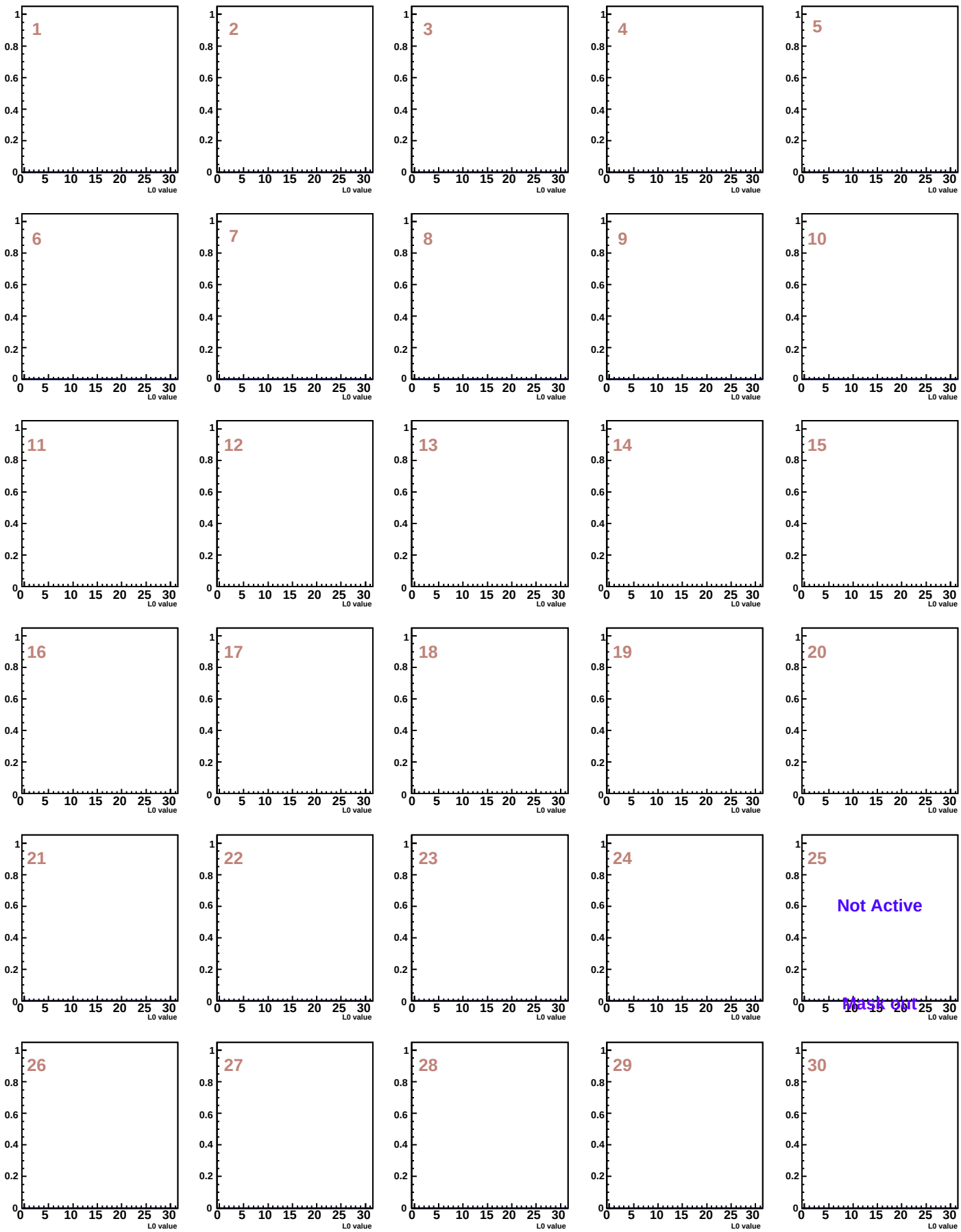
99
100
101
102
Not Active
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
Counts
Chan #


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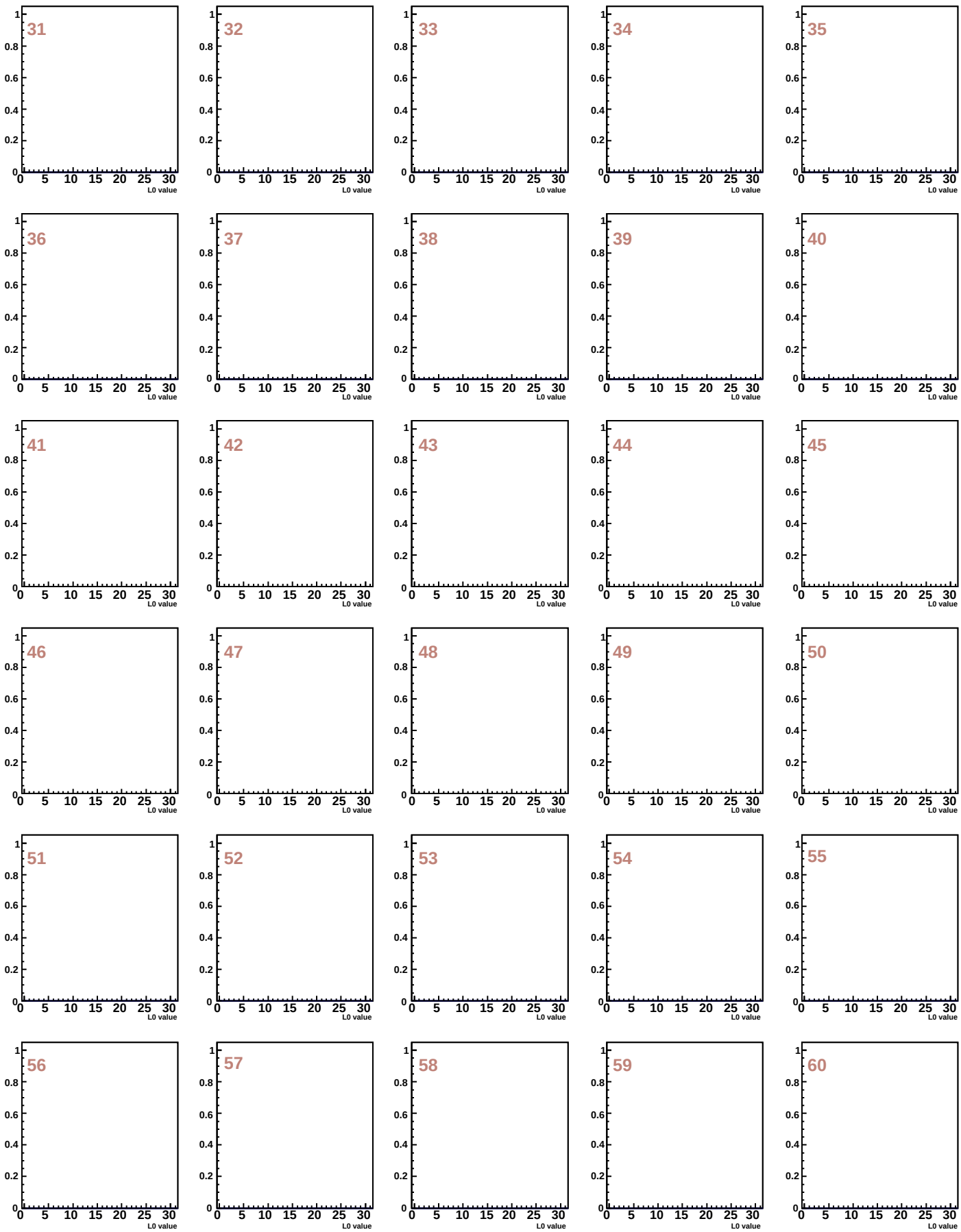
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value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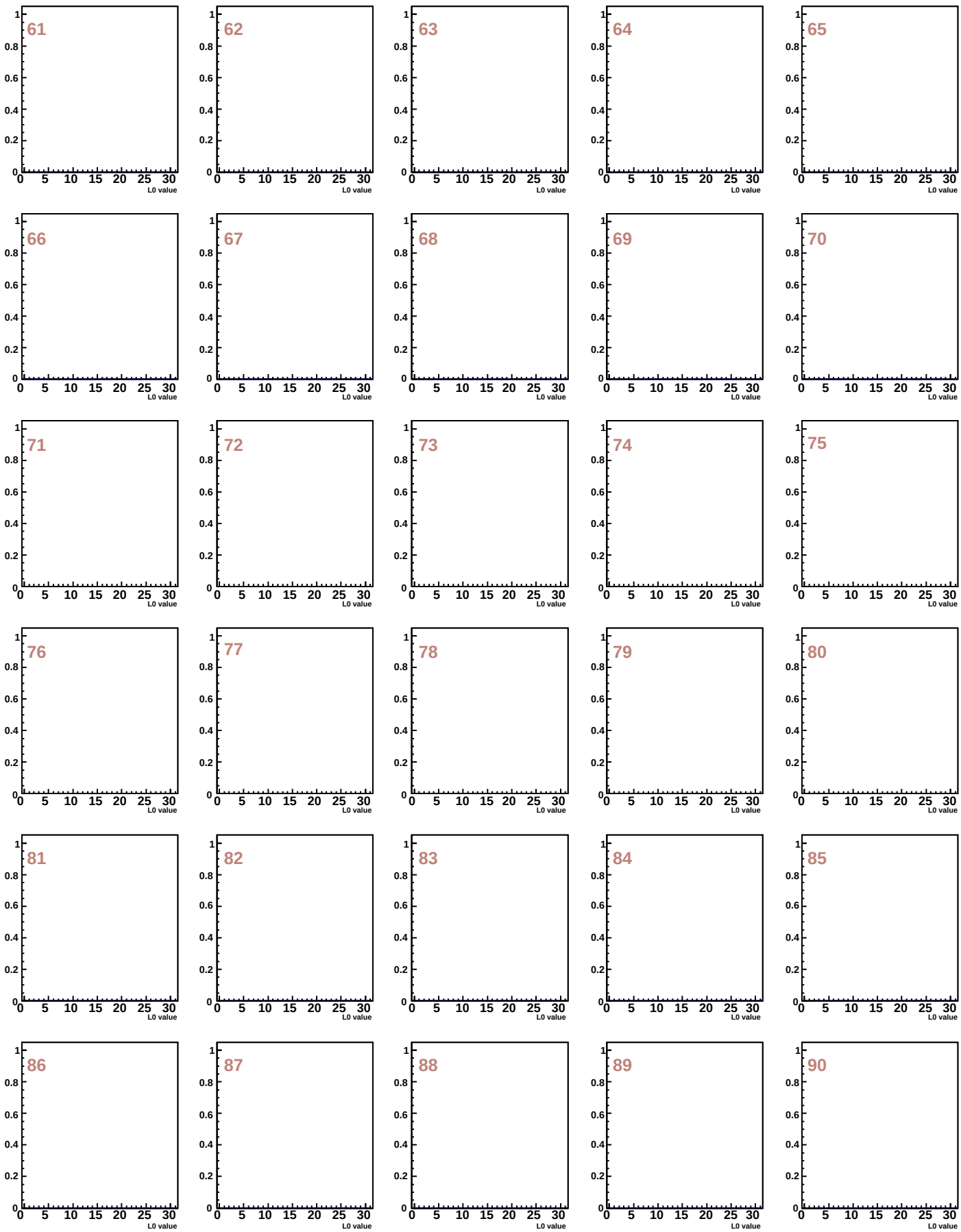
57
58
59
60
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value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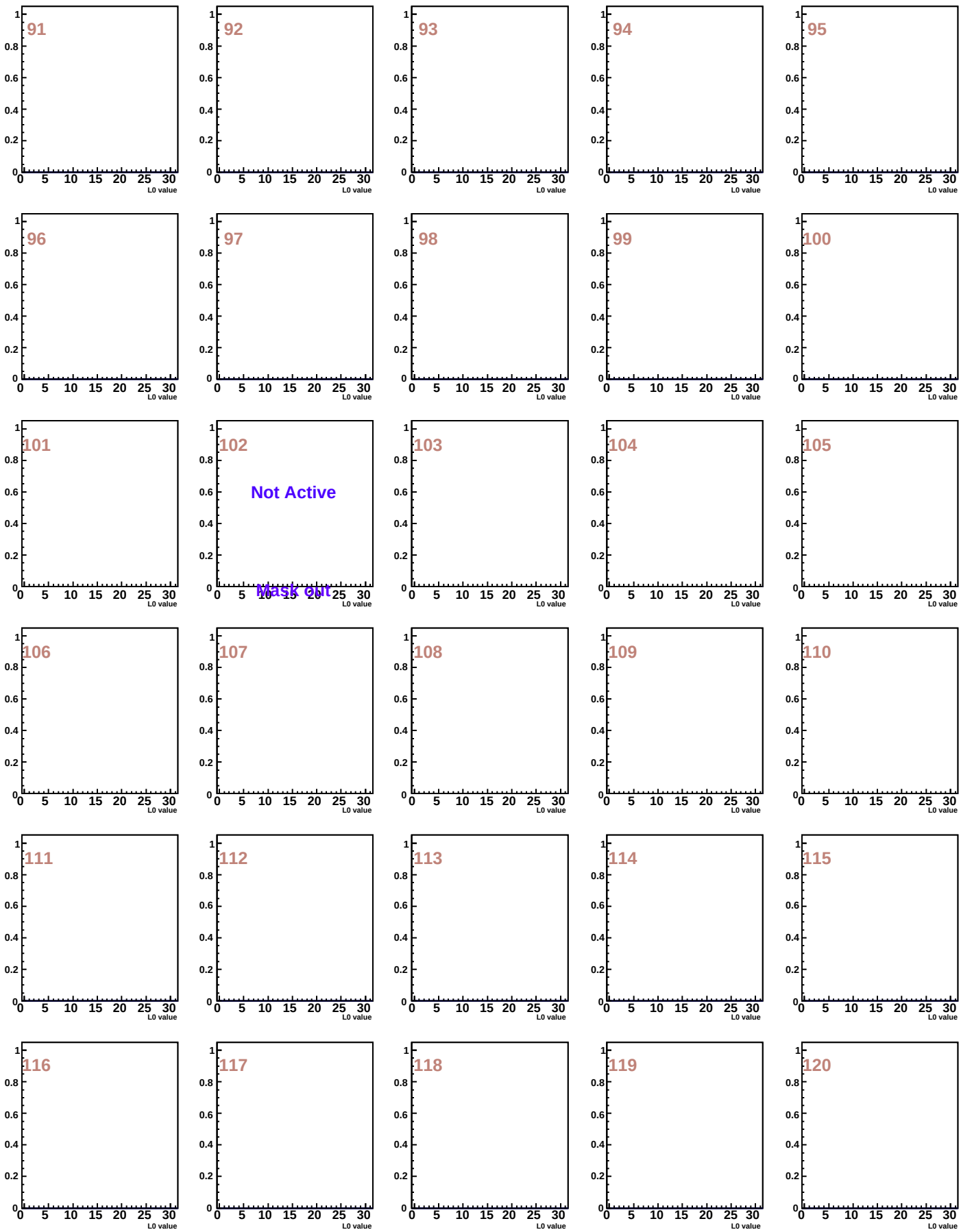
85
86
87
88
89
90
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value


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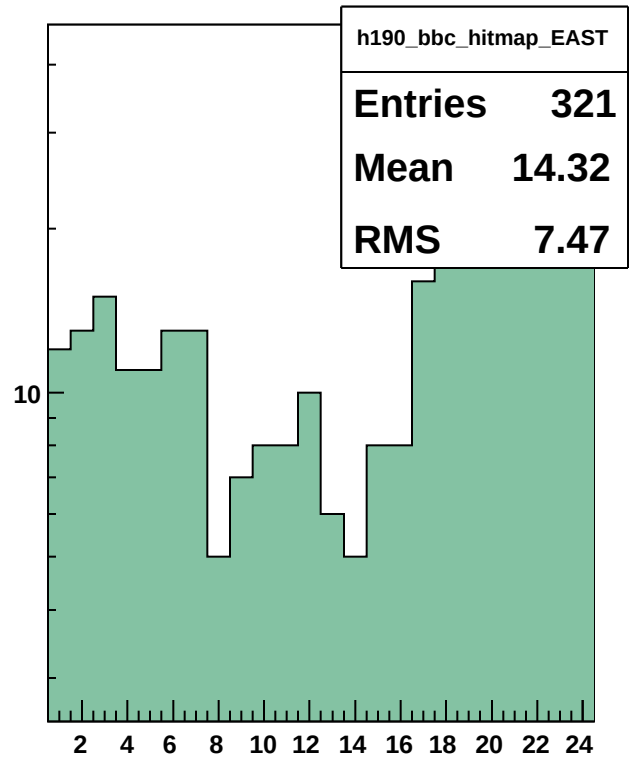
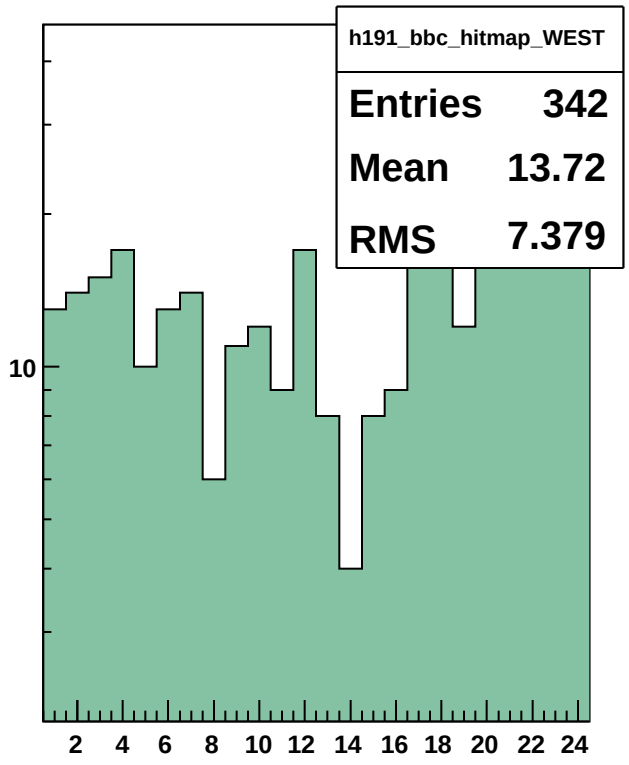
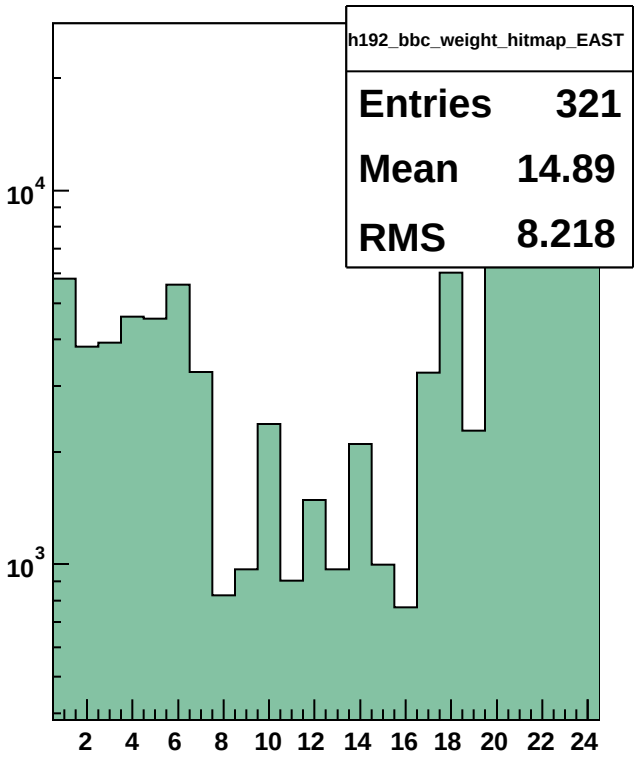
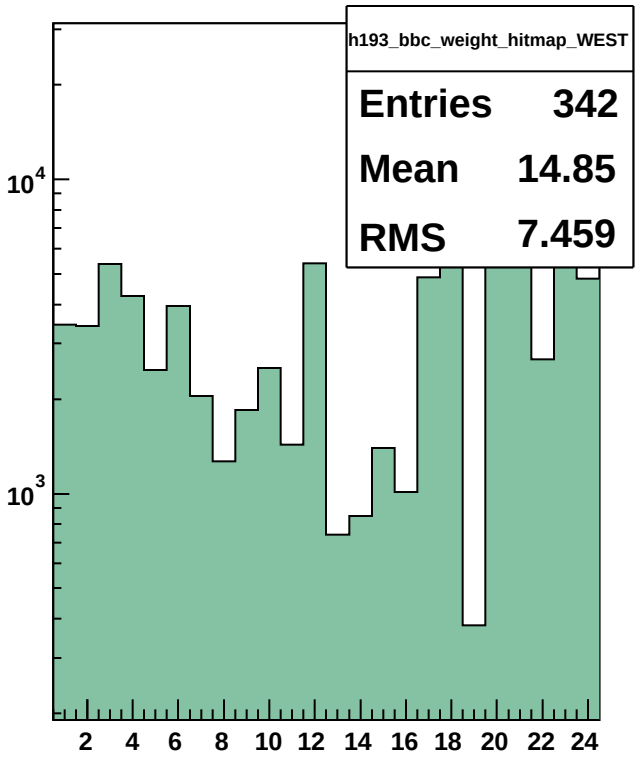
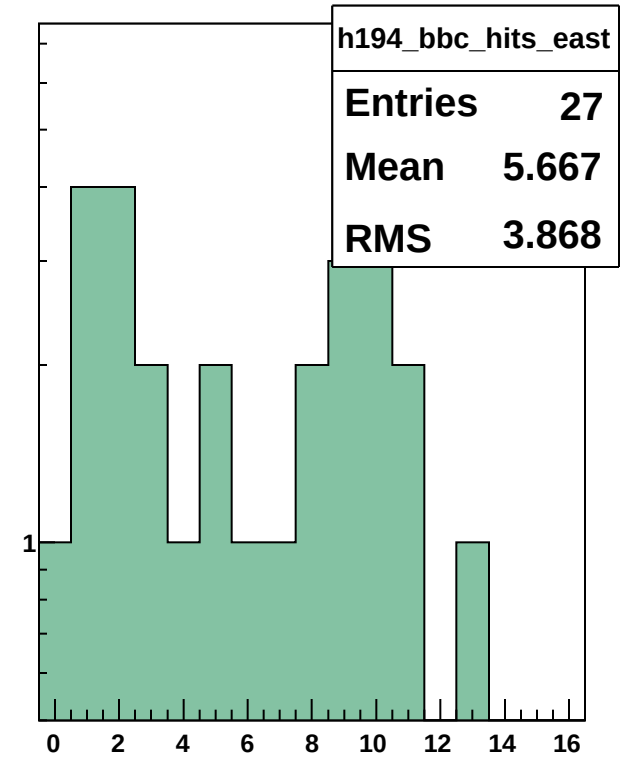
98
99
100
101
102
Not Active
Mask out
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

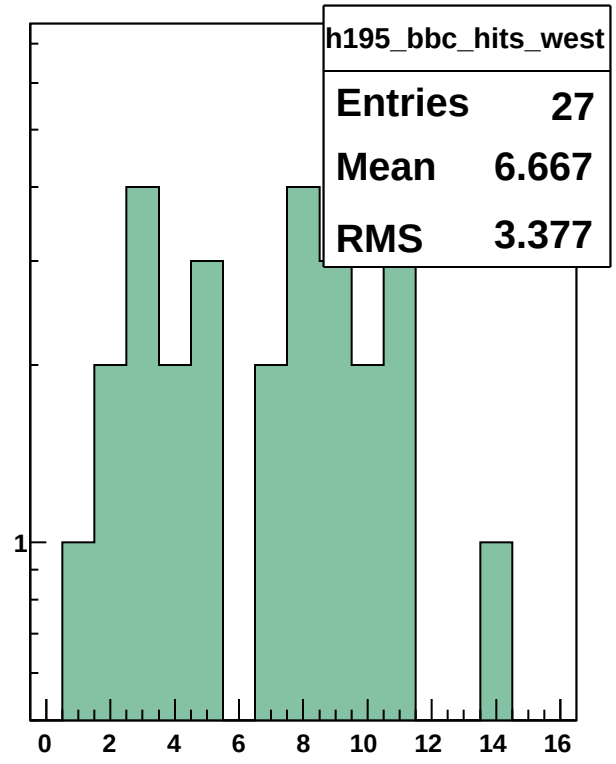

h190_bbc_hitmap_EAST
Entries 321
Mean 14.32
RMS 7.47
10
2 4 6 8 10 12 14 16 18 20 22 24

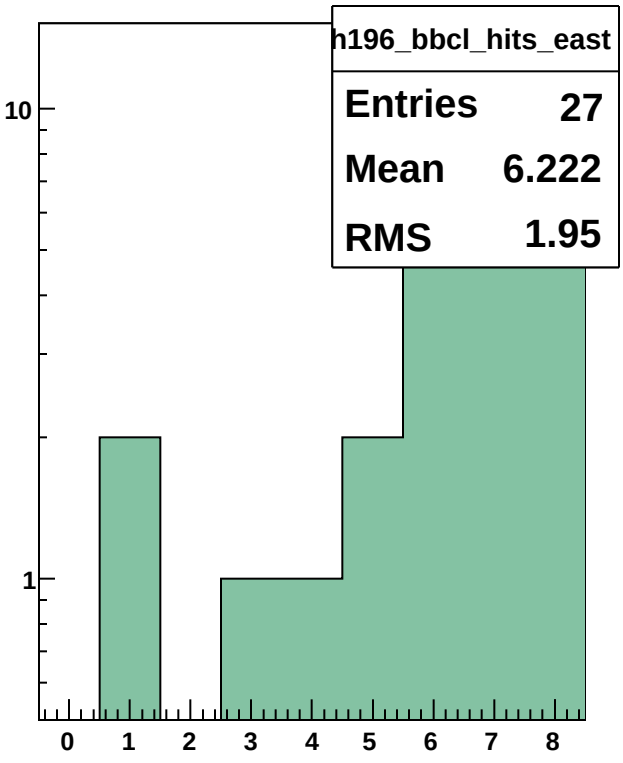

h191_bbc_hitmap_WEST
Entries 342
Mean 13.72
RMS 7.379
10
2 4 6 8 10 12 14 16 18 20 22 24

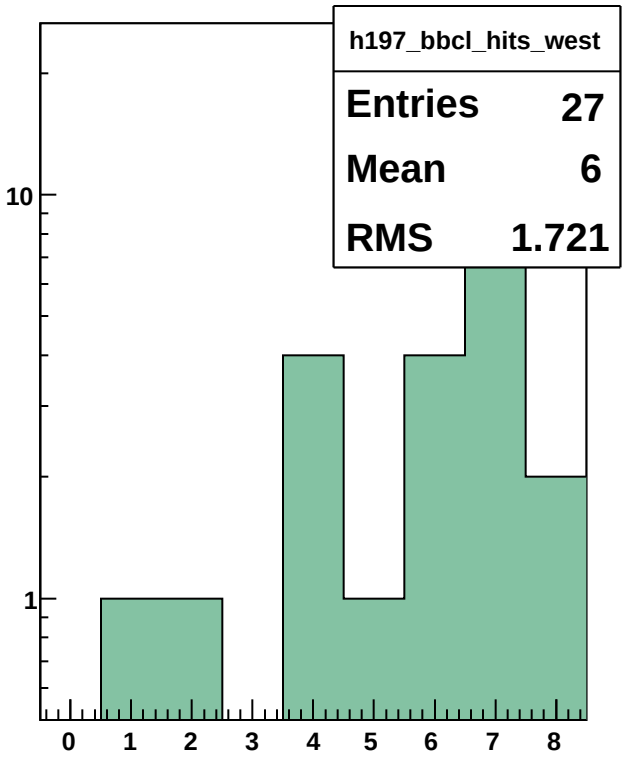

h192_bbc_weight_hitmap_EAST
Entries 321
Mean 14.89
RMS 8.218
10^4
10^3
2 4 6 8 10 12 14 16 18 20 22 24

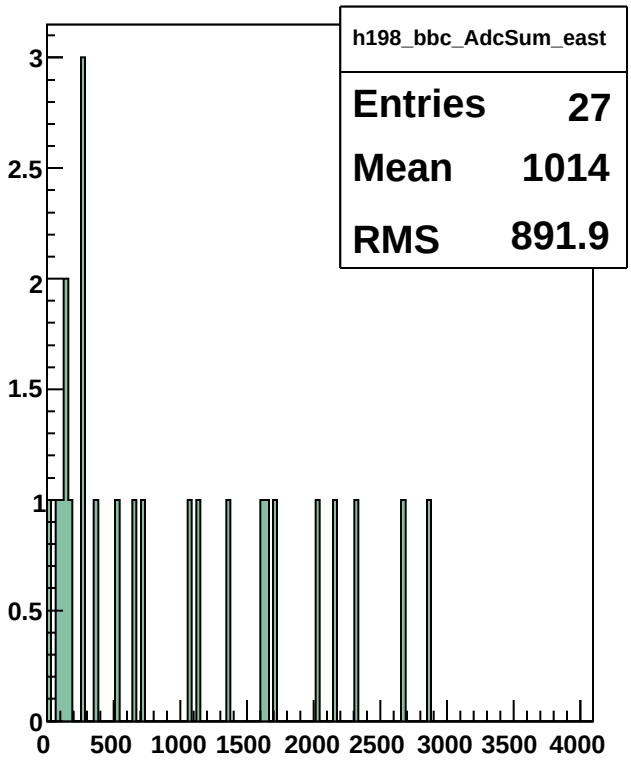

h193_bbc_weight_hitmap_WEST
Entries 342
Mean 14.85
RMS 7.459
10^4
10^3
2 4 6 8 10 12 14 16 18 20 22 24

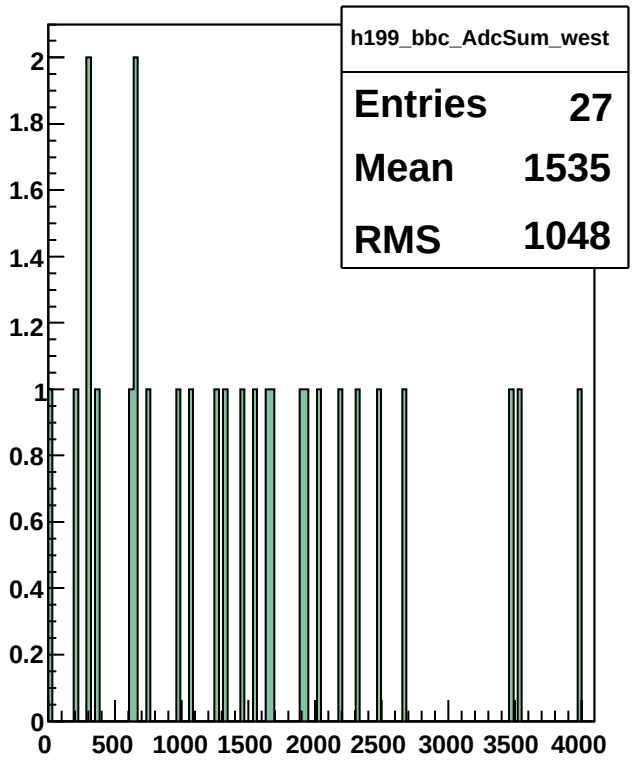

h194_bbc_hits_east
Entries 27
Mean 5.667
RMS 3.868
1
0 2 4 6 8 10 12 14 16

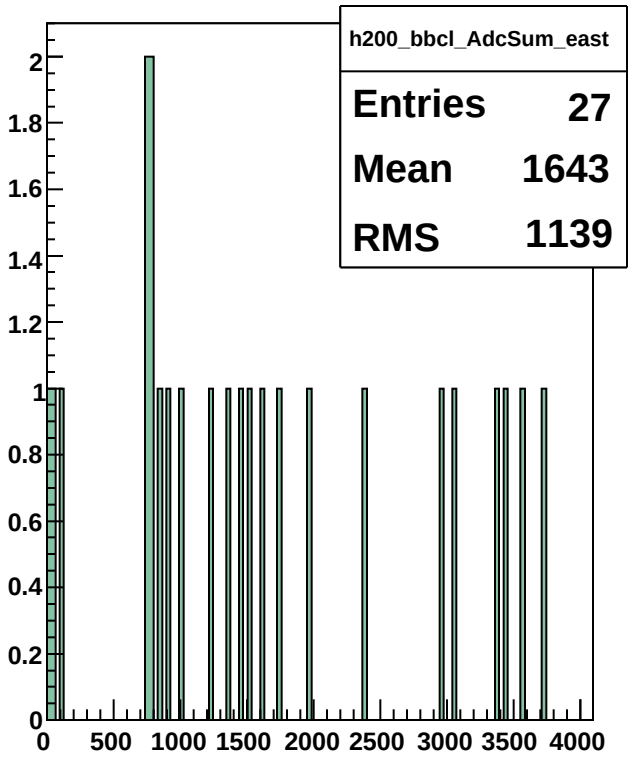

h195_bbc_hits_west
Entries 27
Mean 6.667
RMS 3.377
1
0 2 4 6 8 10 12 14 16

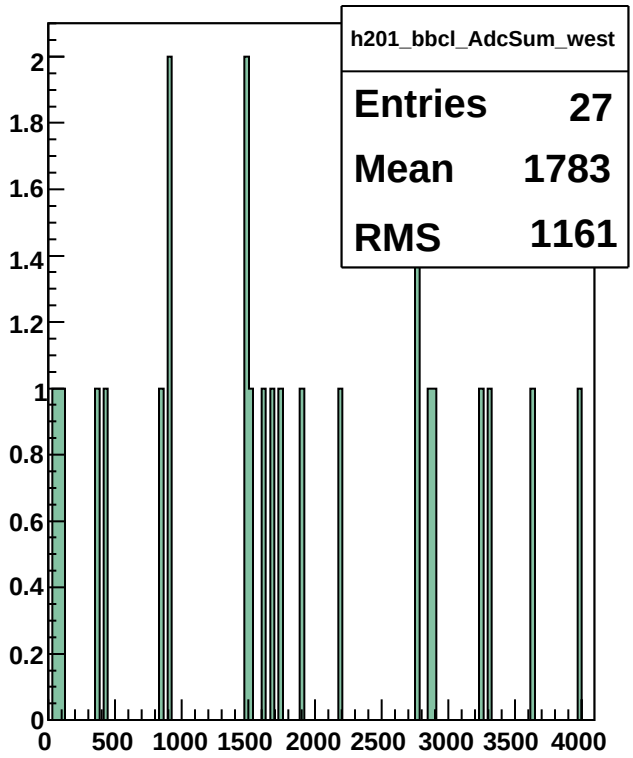

h196_bbcl_hits_east
Entries 27
Mean 6.222
RMS 1.95
10
1
0 1 2 3 4 5 6 7 8

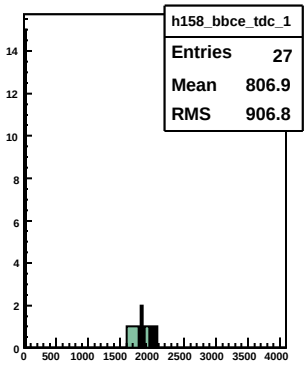

h197_bbcl_hits_west
Entries 27
Mean 6
RMS 1.721
10
1
0 1 2 3 4 5 6 7 8

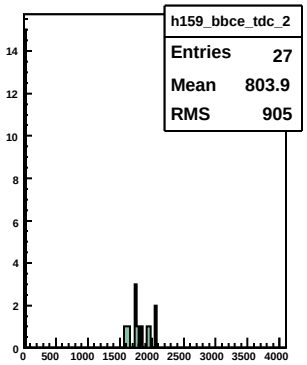

h198_bbc_AdcSum_east
Entries 27
Mean 1014
RMS 891.9

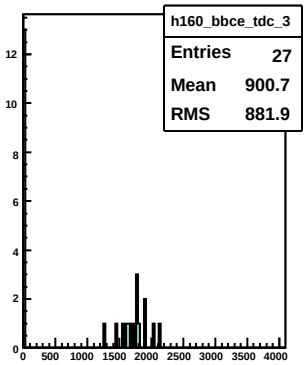

h199_bbc_AdcSum_west
Entries 27
Mean 1535
RMS 1048

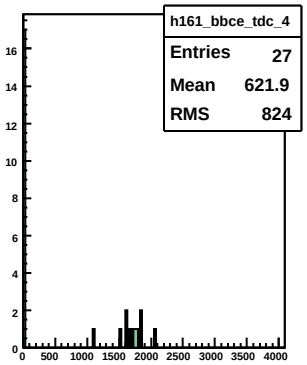

h200_bbcl_AdcSum_east
Entries 27
Mean 1643
RMS 1139

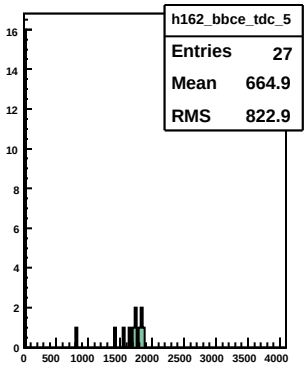

h201_bbcl_AdcSum_west
Entries 27
Mean 1783
RMS 1161

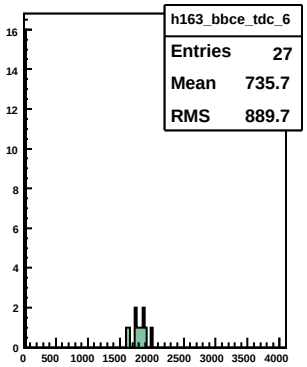

h158_bbce_tdc_1
Entries 27
Mean 806.9
RMS 906.8

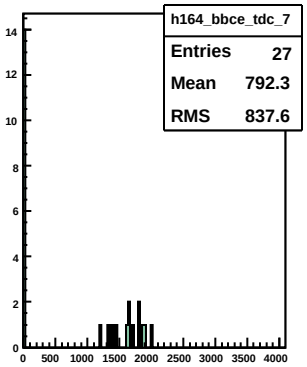

h159_bbce_tdc_2
Entries 27
Mean 803.9
RMS 905

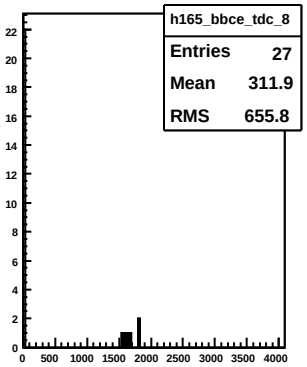

h160_bbce_tdc_3
Entries 27
Mean 900.7
RMS 881.9

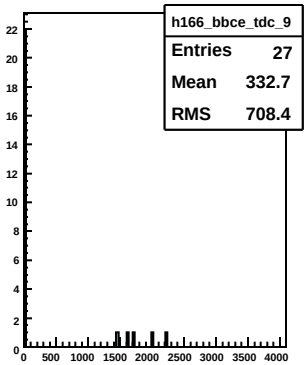

h161_bbce_tdc_4
Entries 27
Mean 621.9
RMS 824

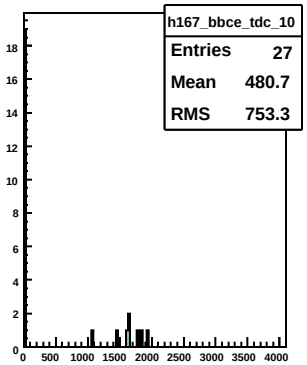

h162_bbce_tdc_5
Entries 27
Mean 664.9
RMS 822.9

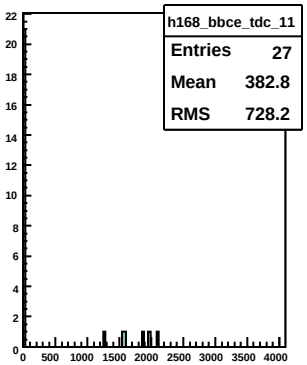

h163_bbce_tdc_6
Entries 27
Mean 735.7
RMS 889.7

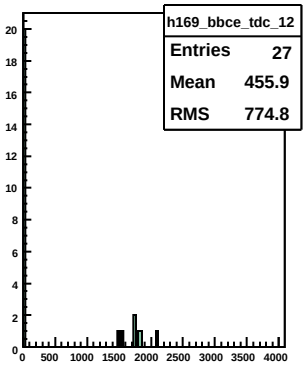

h164_bbce_tdc_7
Entries 27
Mean 792.3
RMS 837.6

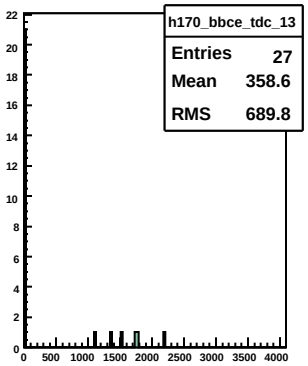

h165_bbce_tdc_8
Entries 27
Mean 311.9
RMS 655.8

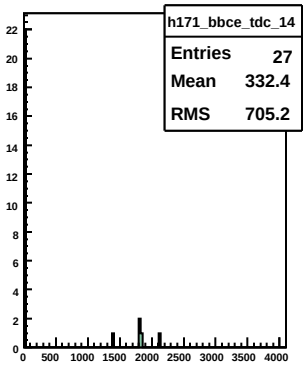

h166_bbce_tdc_9
Entries 27
Mean 332.7
RMS 708.4

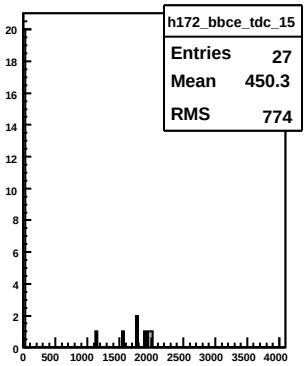

h167_bbce_tdc_10
Entries 27
Mean 480.7
RMS 753.3

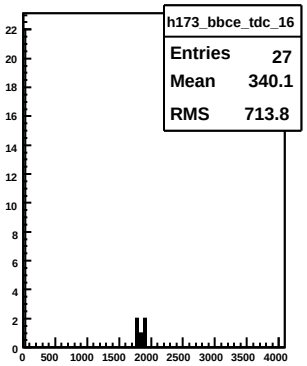

h168_bbce_tdc_11
Entries 27
Mean 382.8
RMS 728.2

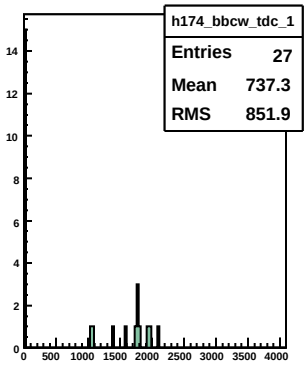

h169_bbce_tdc_12
Entries 27
Mean 455.9
RMS 774.8

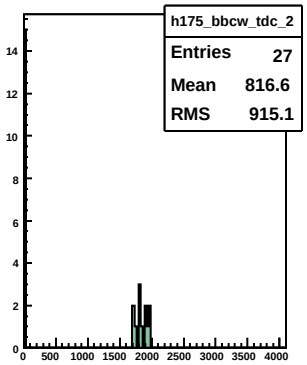

h170_bbce_tdc_13
Entries 27
Mean 358.6
RMS 689.8

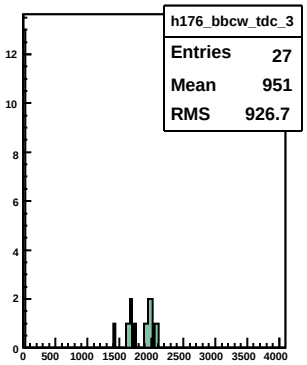

h171_bbce_tdc_14
Entries 27
Mean 332.4
RMS 705.2

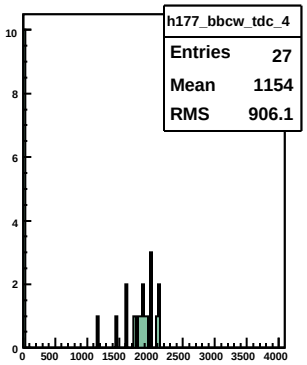

h172_bbce_tdc_15
Entries 27
Mean 450.3
RMS 774


h173_bbce_tdc_16
Entries 27
Mean 340.1
RMS 713.8


h174_bbcw_tdc_1
Entries 27
Mean 737.3
RMS 851.9


h175_bbcw_tdc_2
Entries 27
Mean 816.6
RMS 915.1


h176_bbcw_tdc_3
Entries 27
Mean 951
RMS 926.7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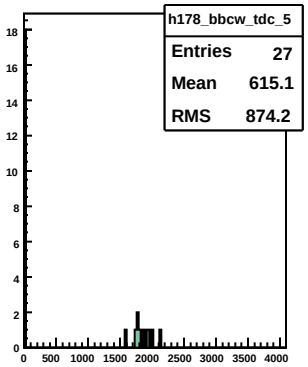
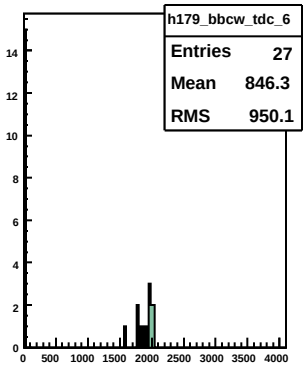
RMS 906.1


h178_bbcw_tdc_5
Entries 27
Mean 615.1
RMS 874.2


h179_bbcw_tdc_6
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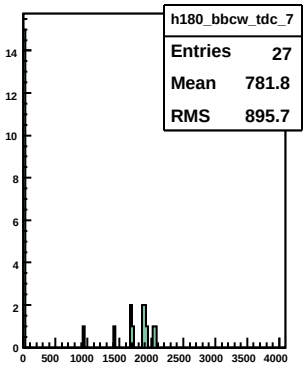
Mean 846.3
RMS 950.1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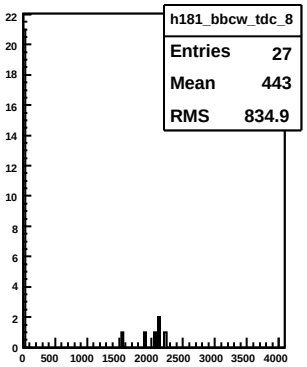
Mean 781.8
RMS 895.7


h181_bbcw_tdc_8
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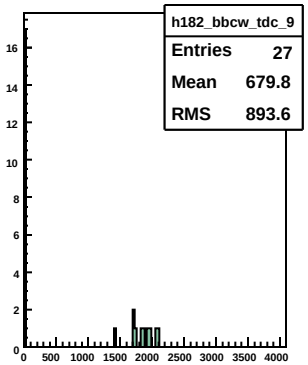
Mean 443
RMS 834.9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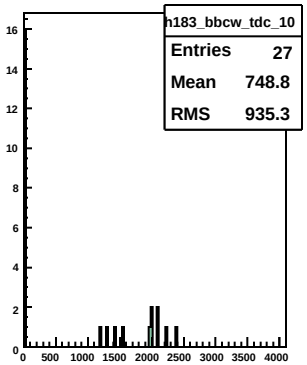
Mean 679.8
RMS 893.6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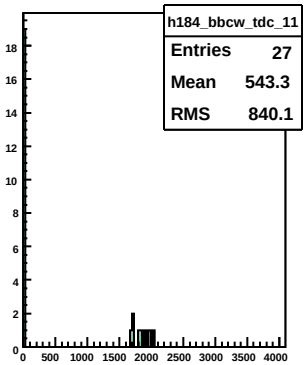
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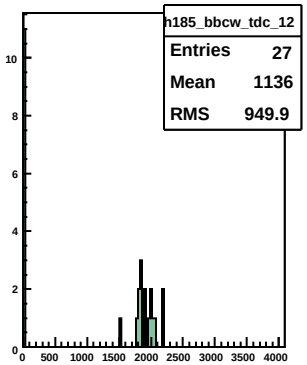
Entries 27
Mean 543.3
RMS 840.1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Entries 27
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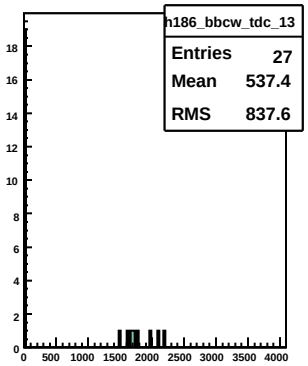
RMS 949.9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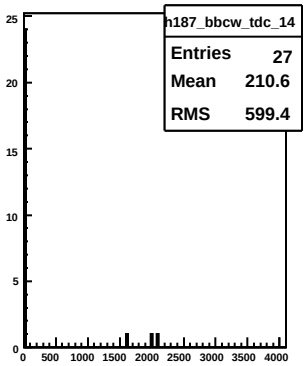
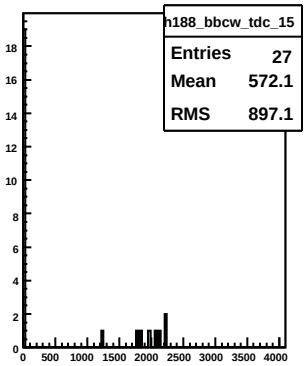
Entries 27
Mean 537.4
RMS 837.6


h187_bbcw_tdc_14
Entries 27
Mean 210.6
RMS 599.4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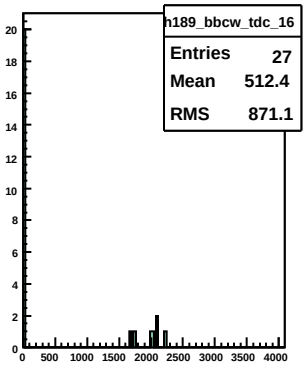
Mean 572.1
RMS 897.1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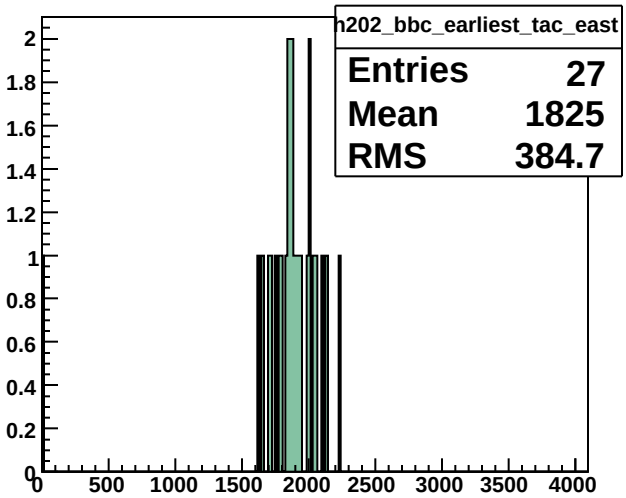
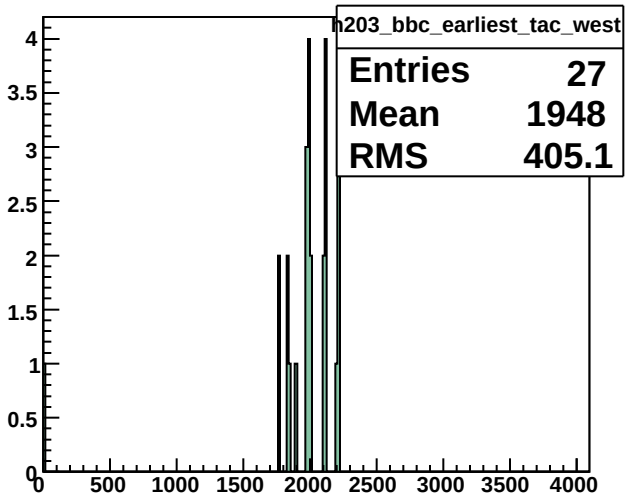
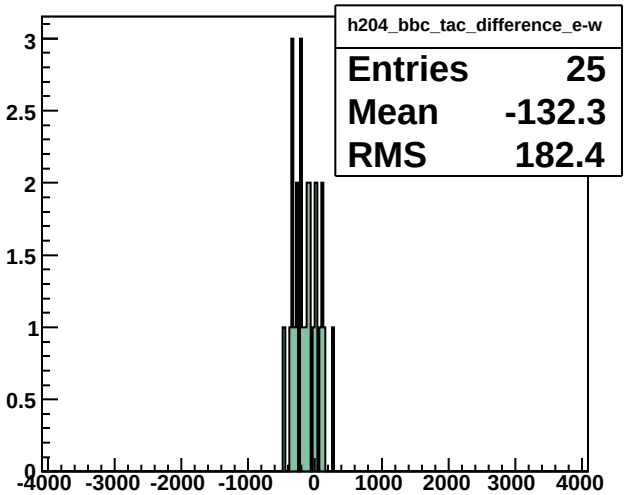
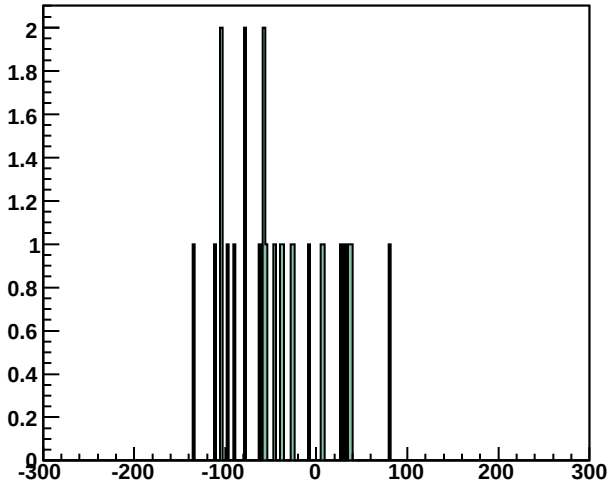
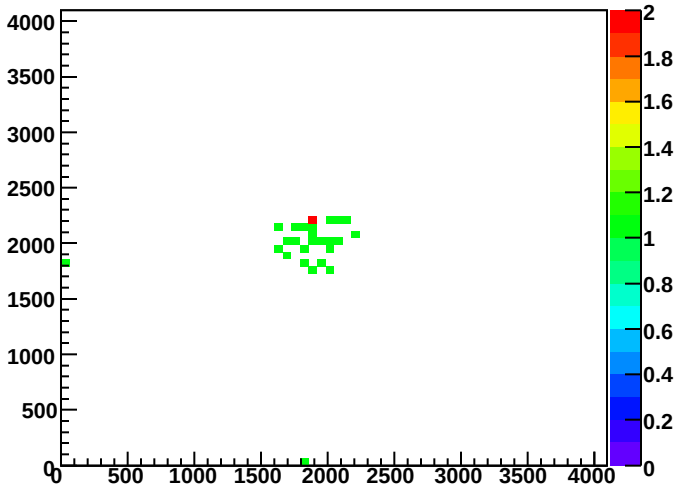
Entries 27
Mean 512.4
RMS 871.1

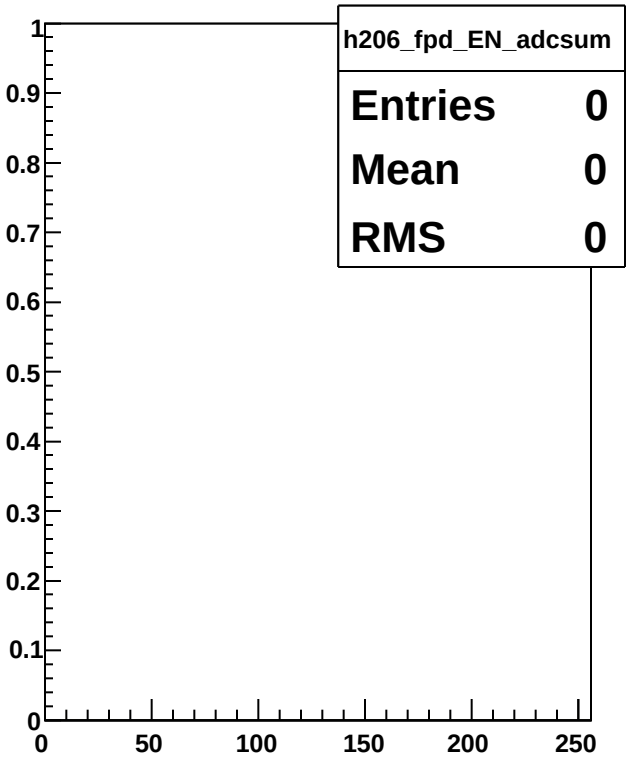

h202_bbc_earliest_tac_east
Entries 27
Mean 1825
RMS 384.7

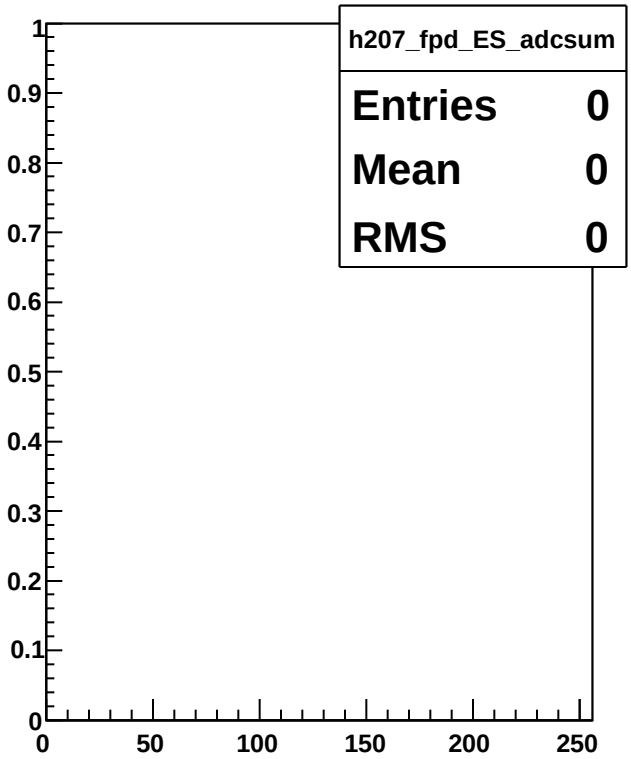

h203_bbc_earliest_tac_west
Entries 27
Mean 1948
RMS 405.1


h204_bbc_tac_difference_e-w
Entries 25
Mean -132.3
RMS 182.4






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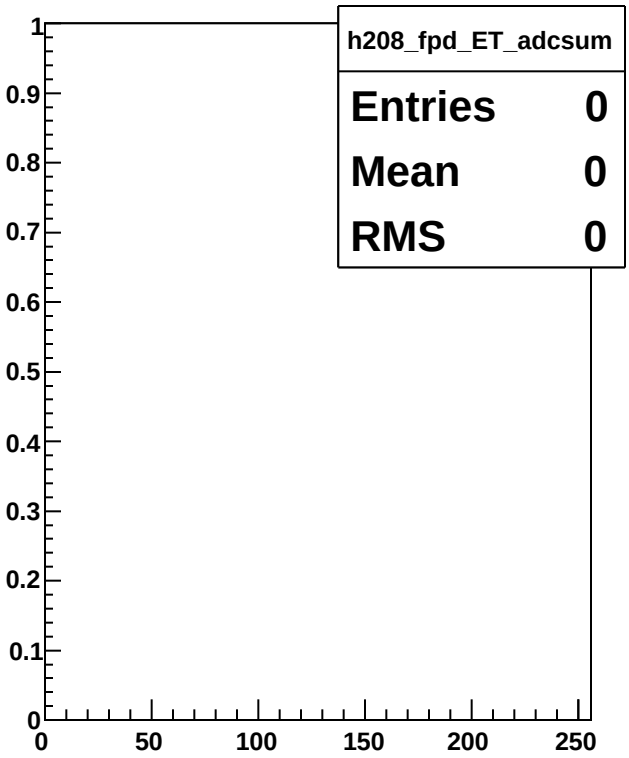
RMS 0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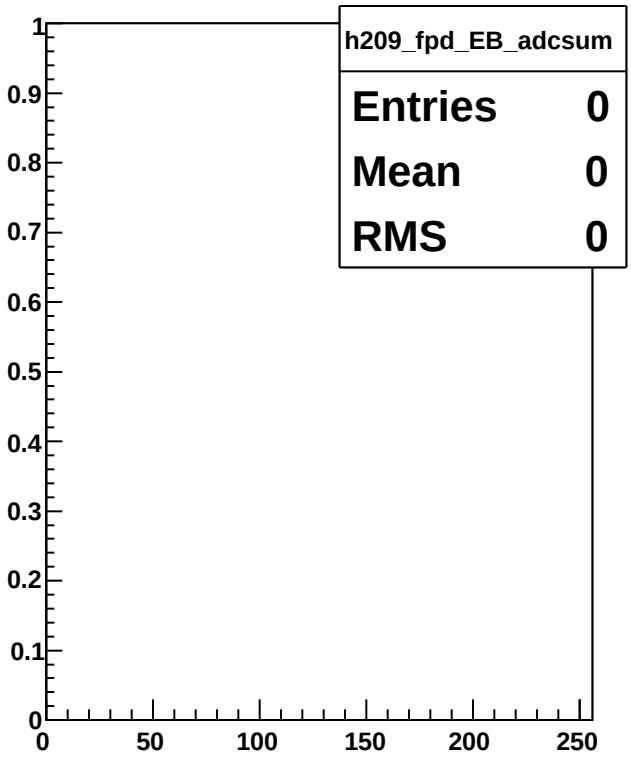
RMS 0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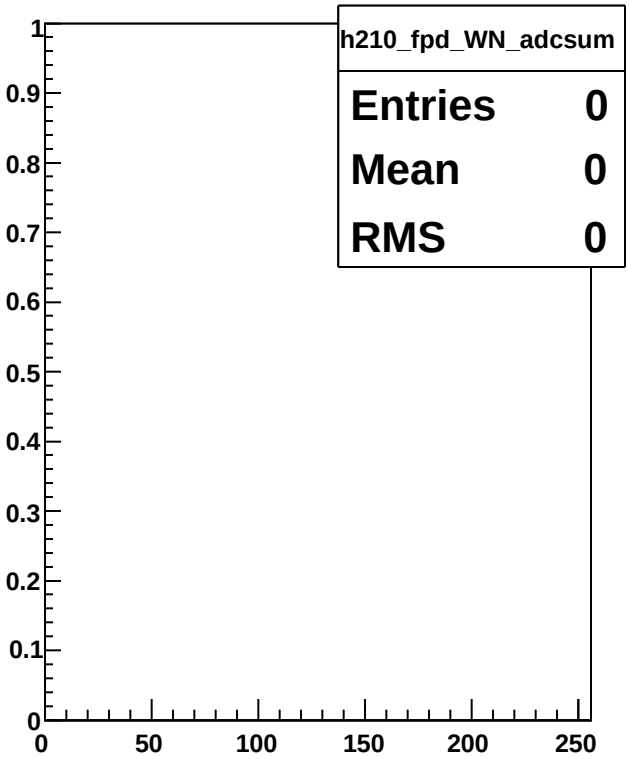
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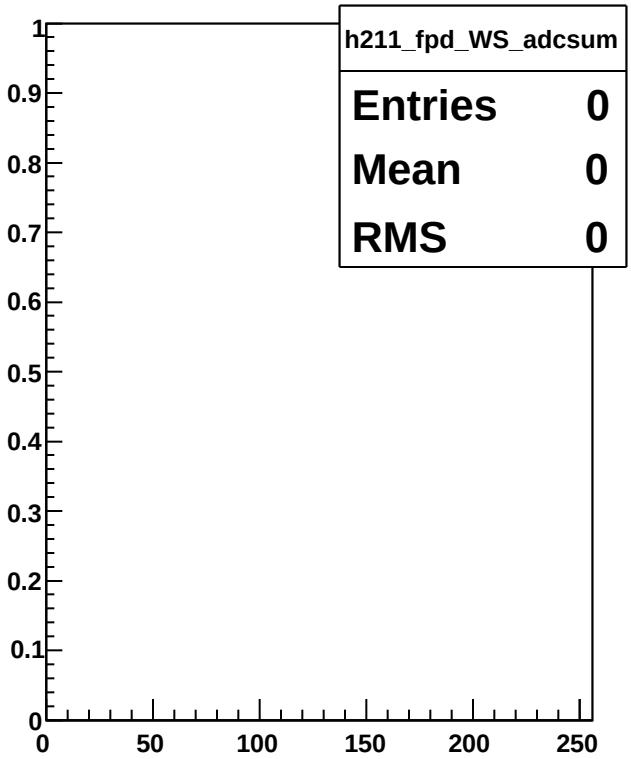
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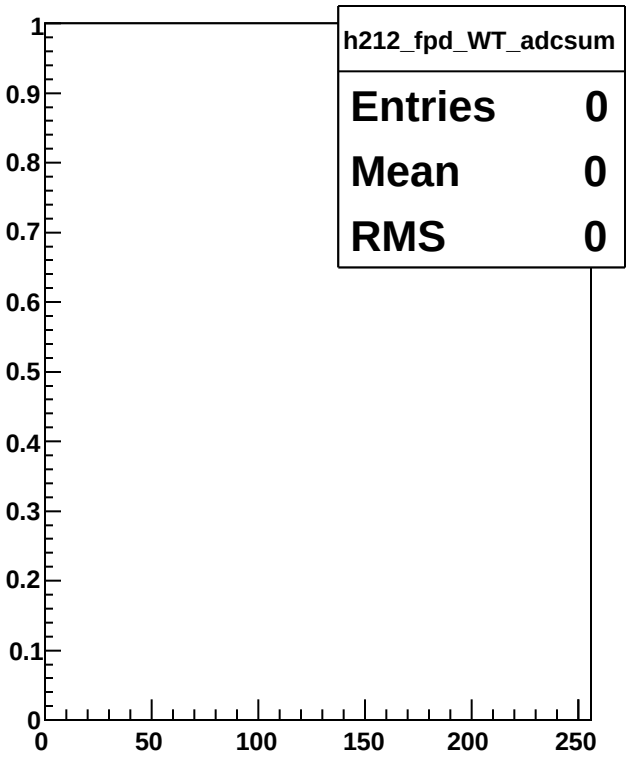
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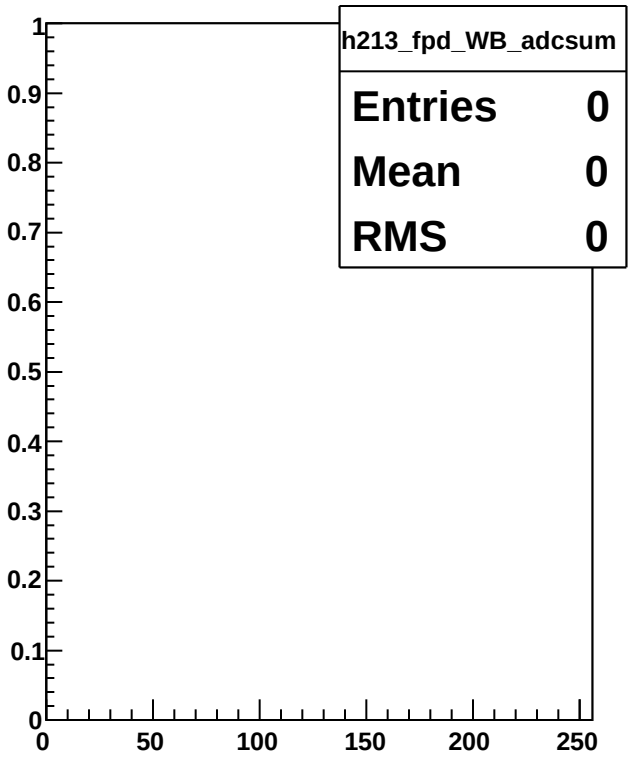
RMS 0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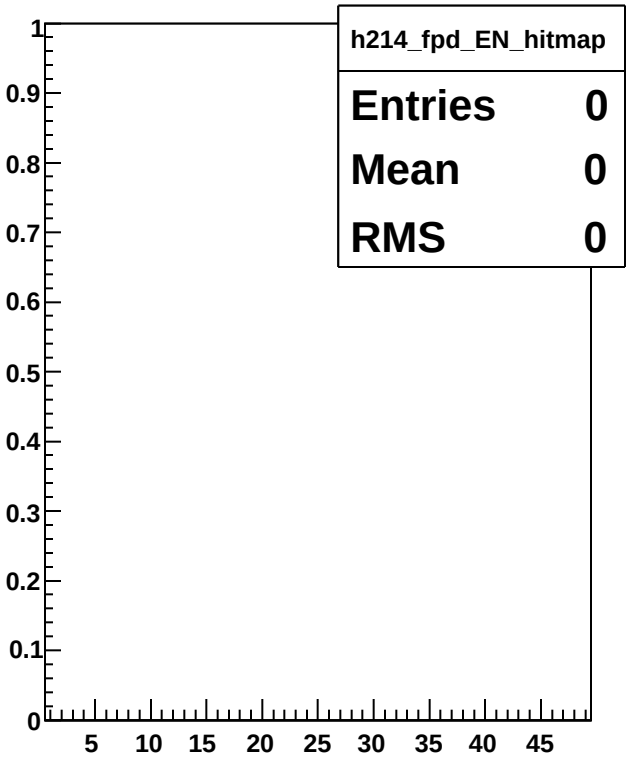
RMS 0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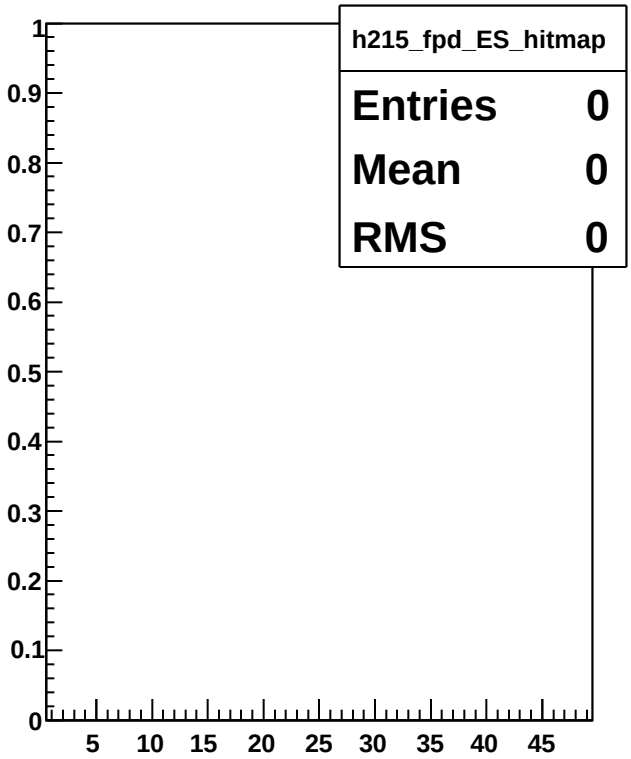
Entries 0
Mean 0
RMS 0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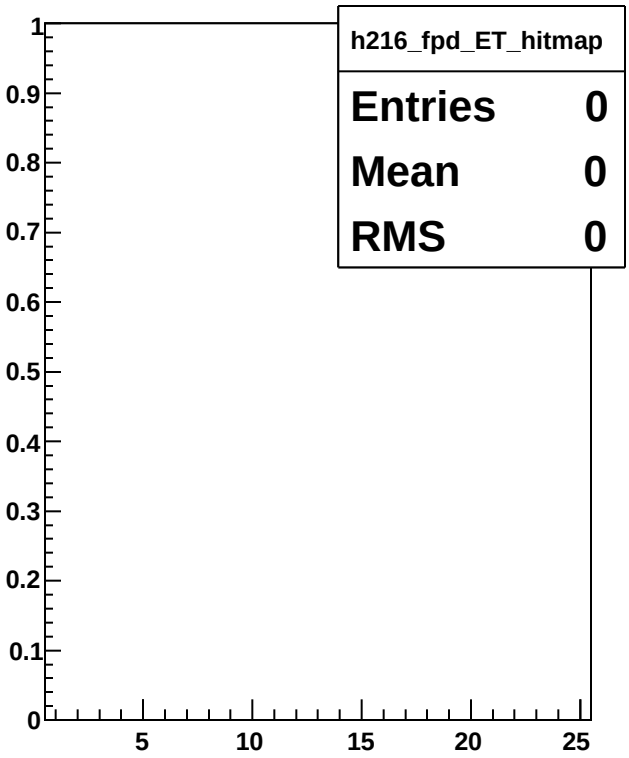
Entries 0
Mean 0
RMS 0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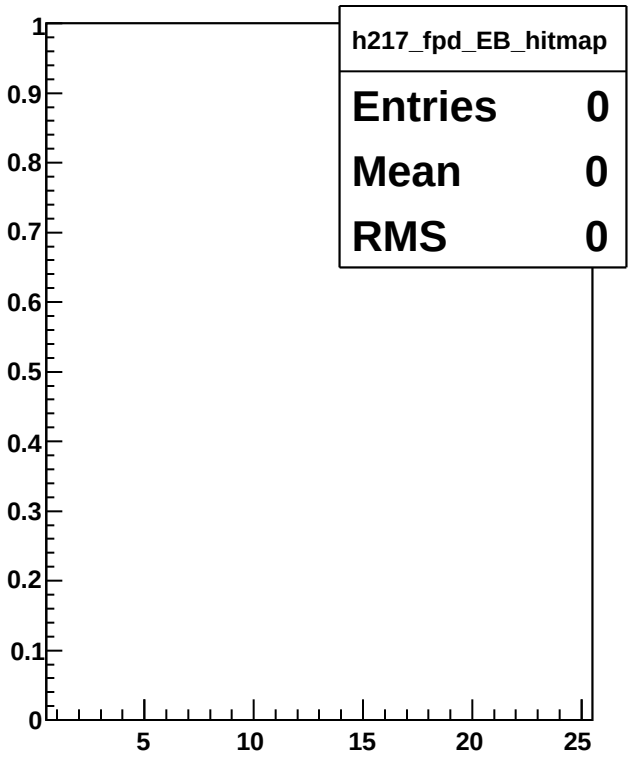
RMS 0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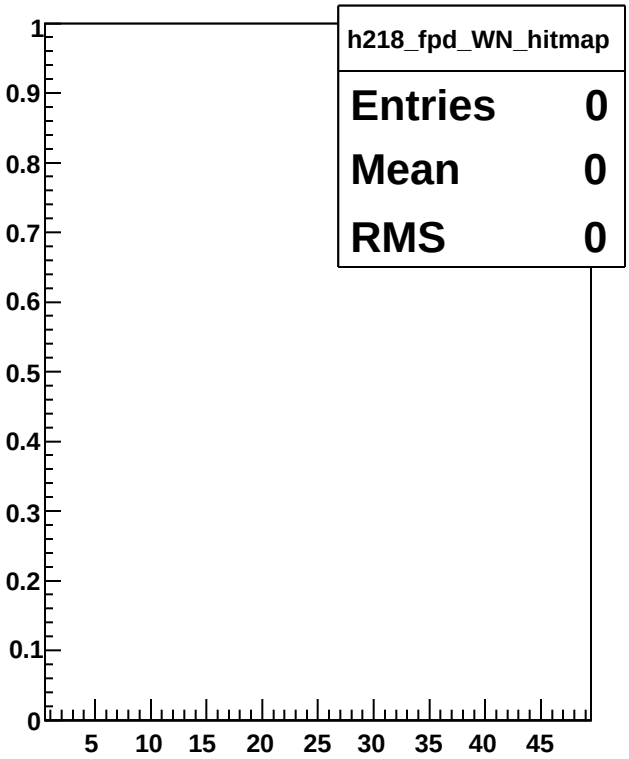
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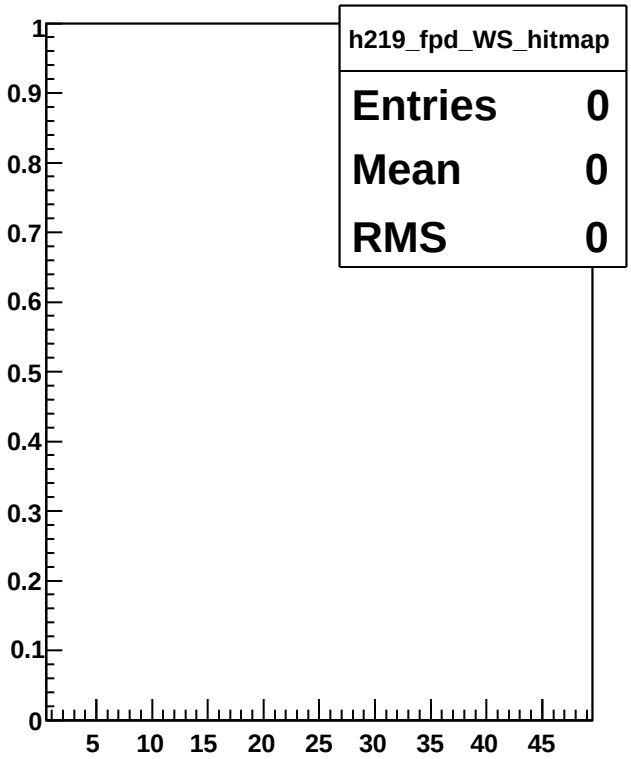
RMS 0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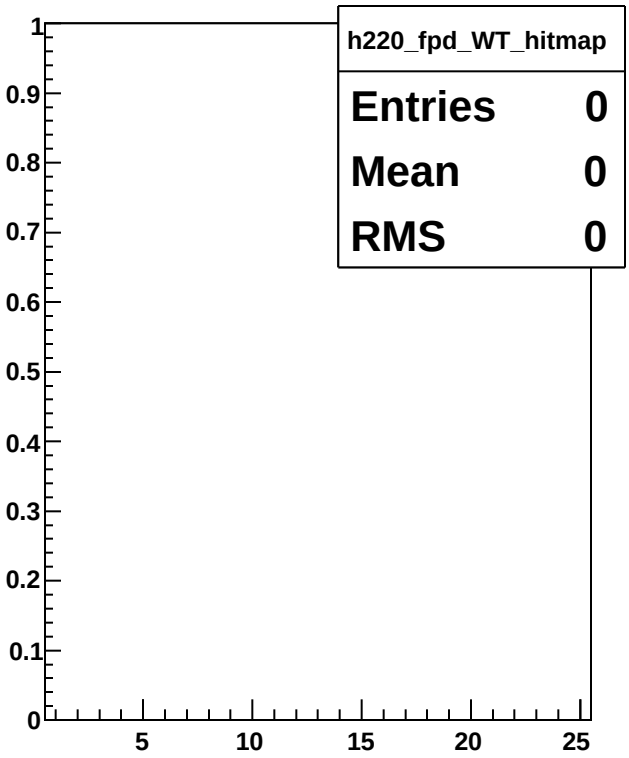
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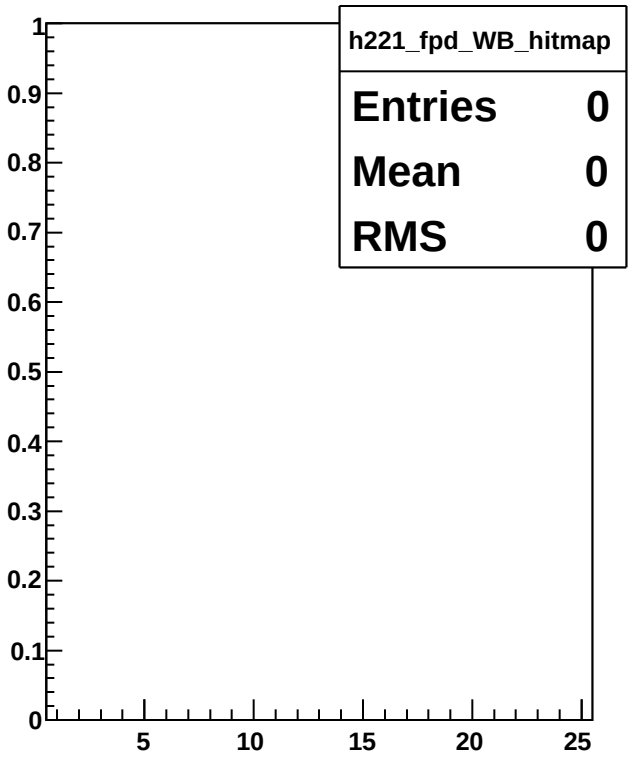
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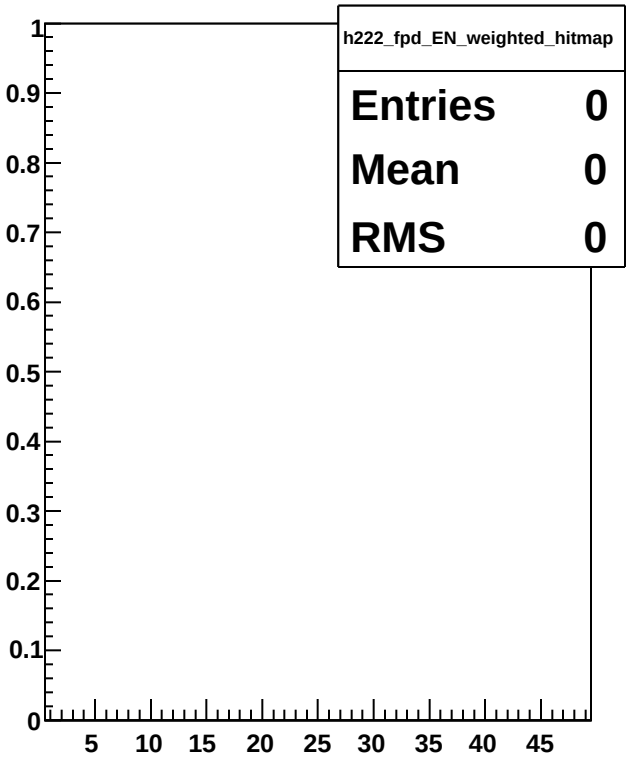
RMS 0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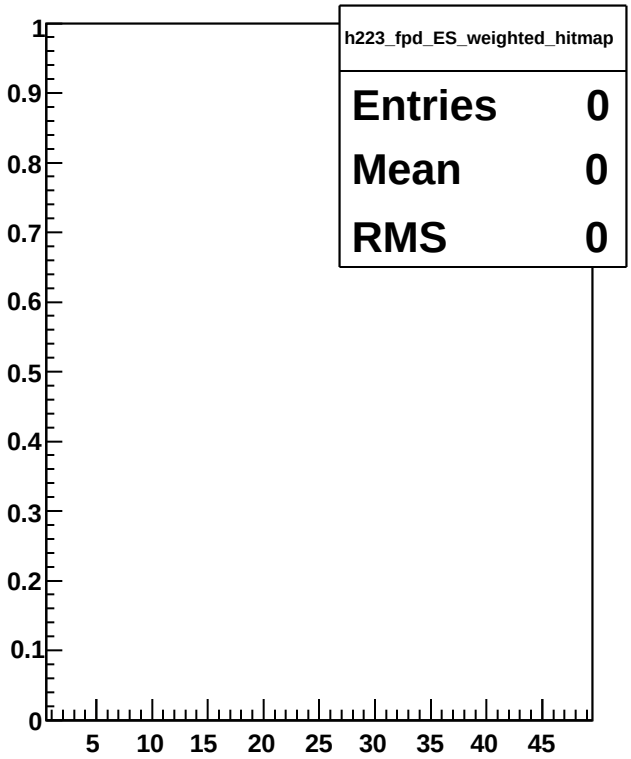
RMS 0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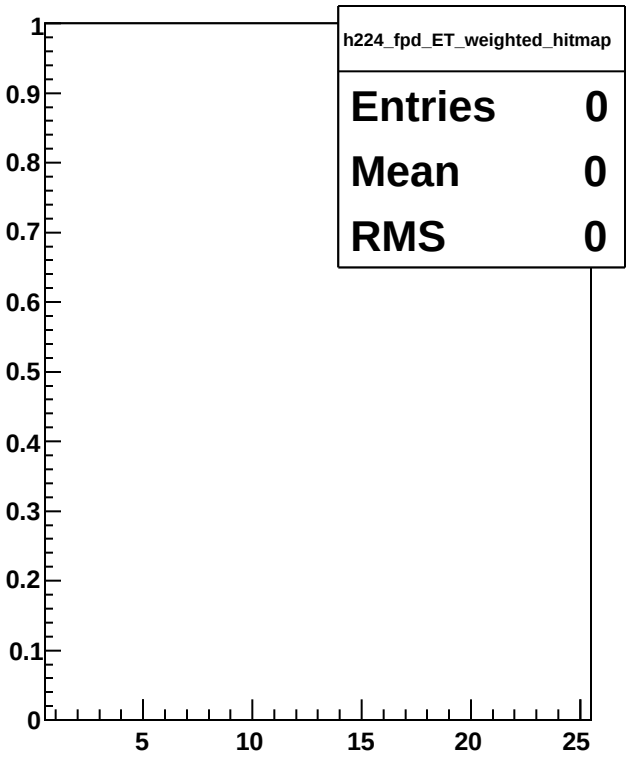
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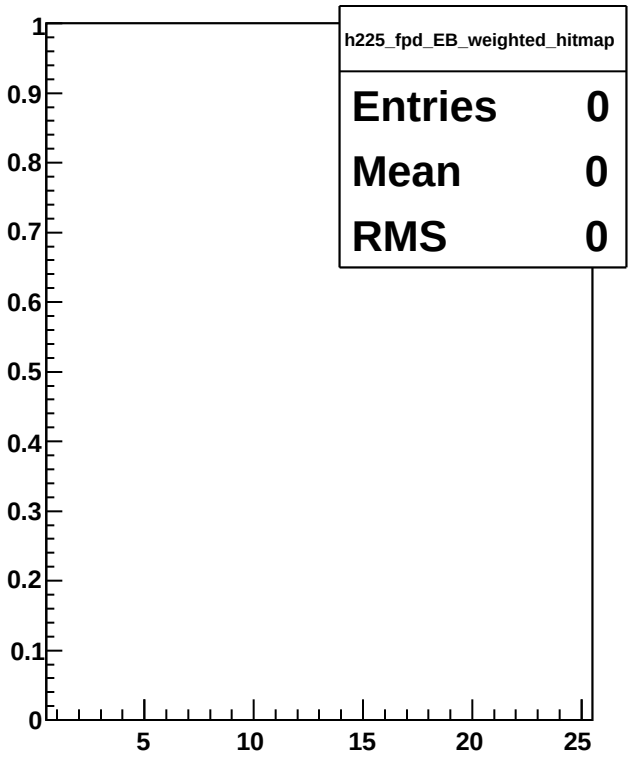
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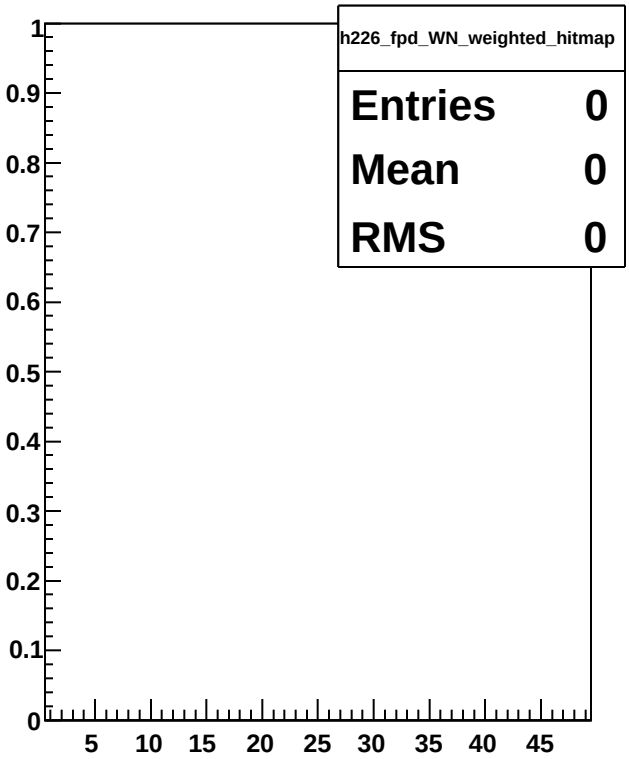
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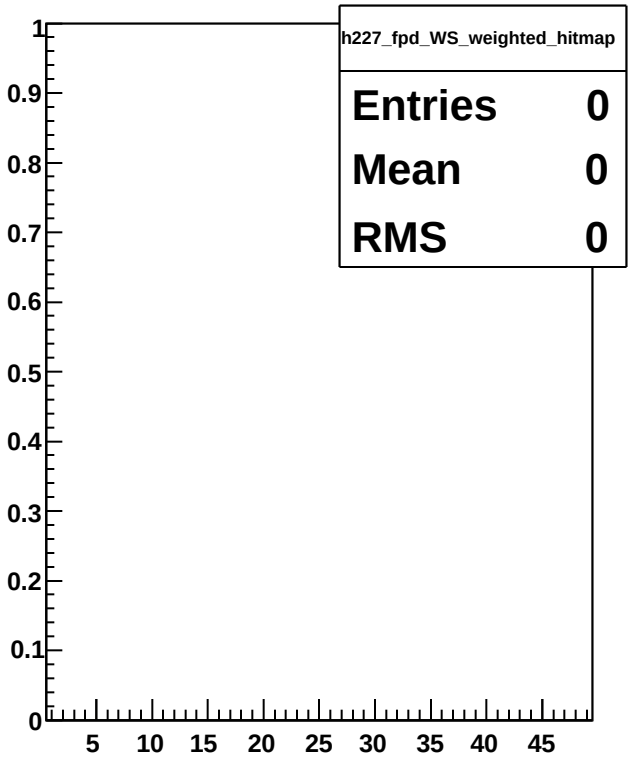
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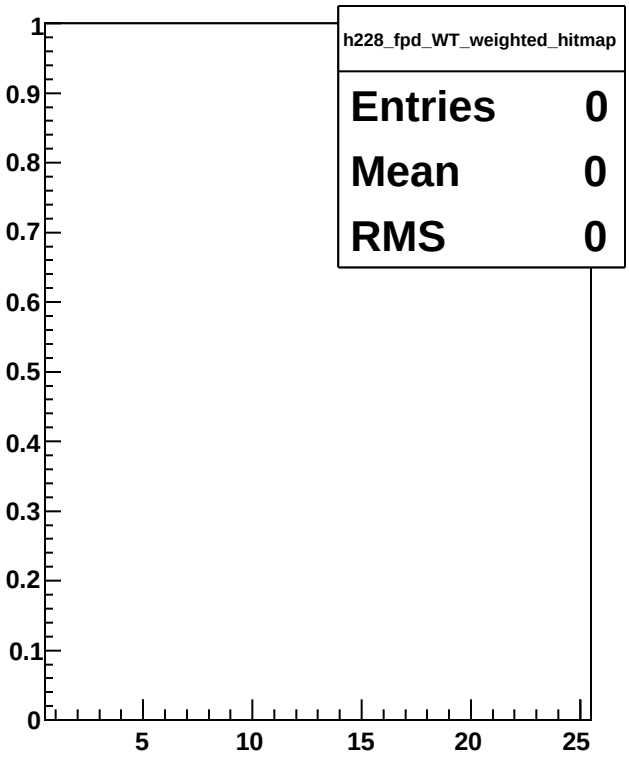
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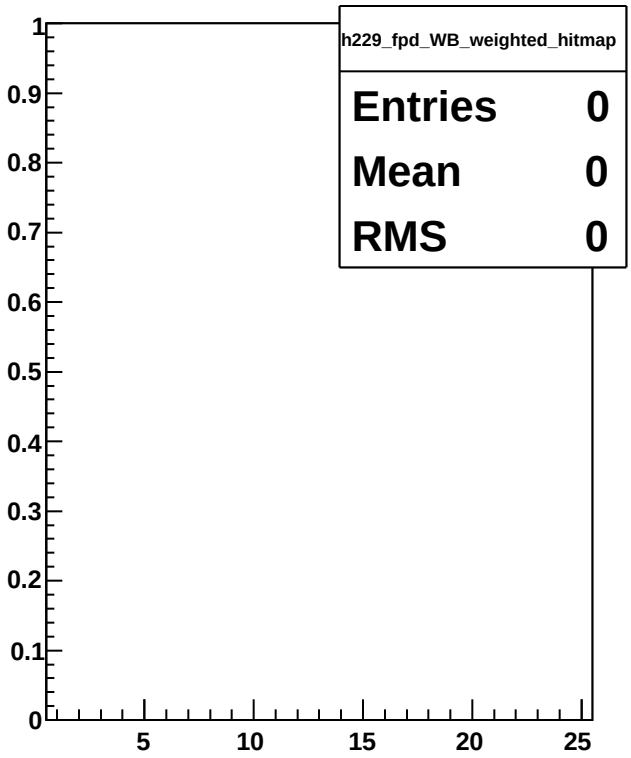
Mean 0
RMS 0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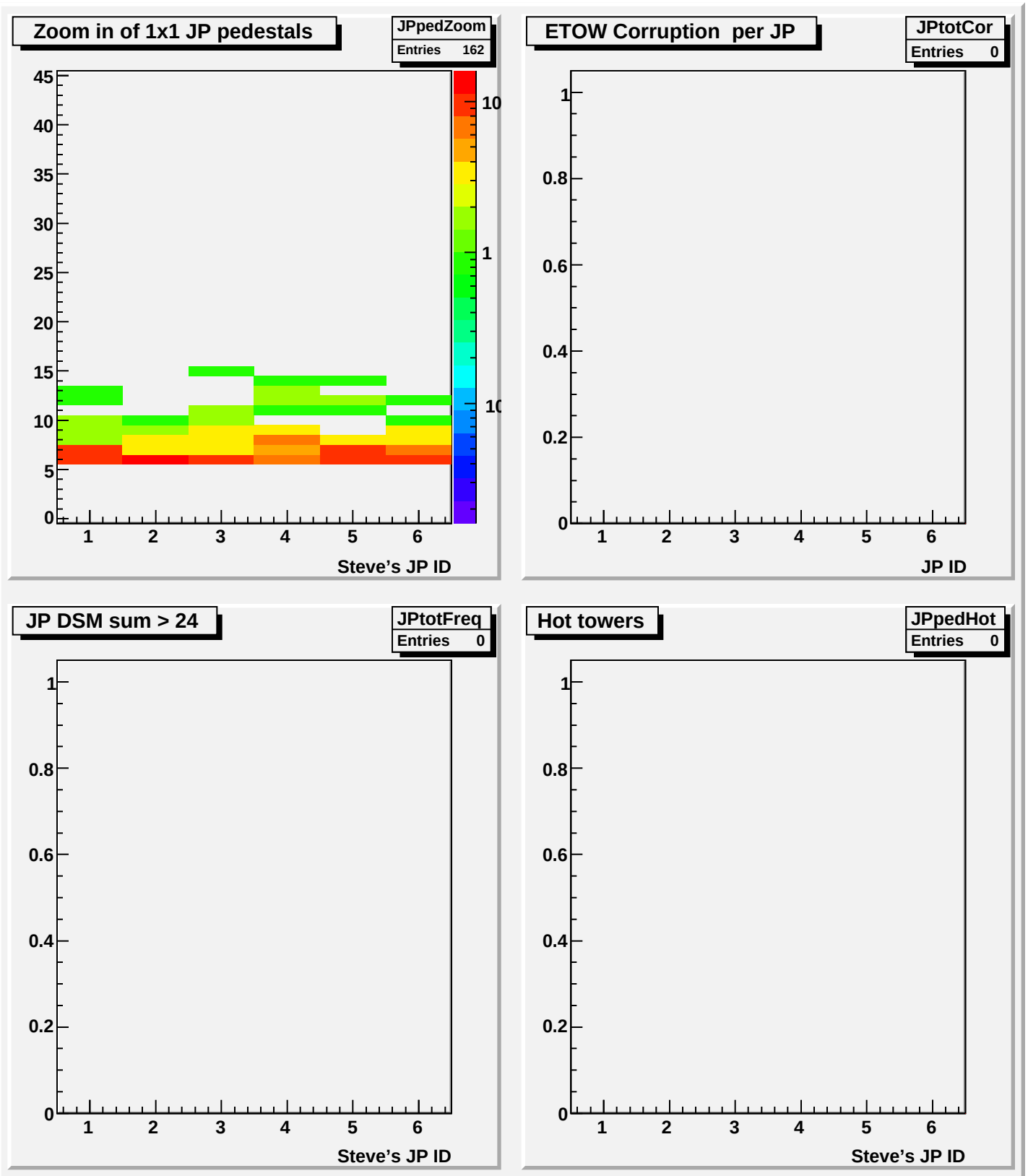
Mean 0
RMS 0



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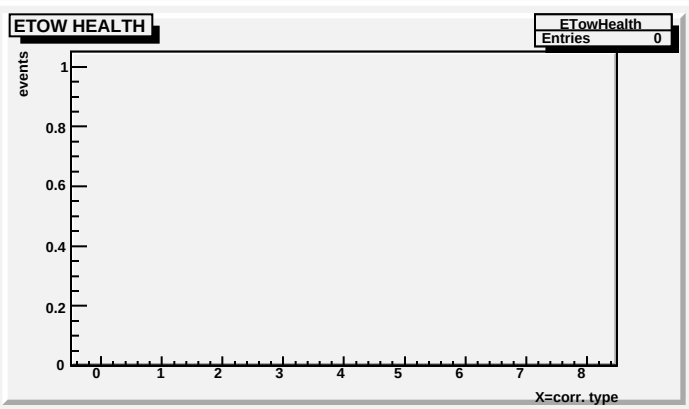
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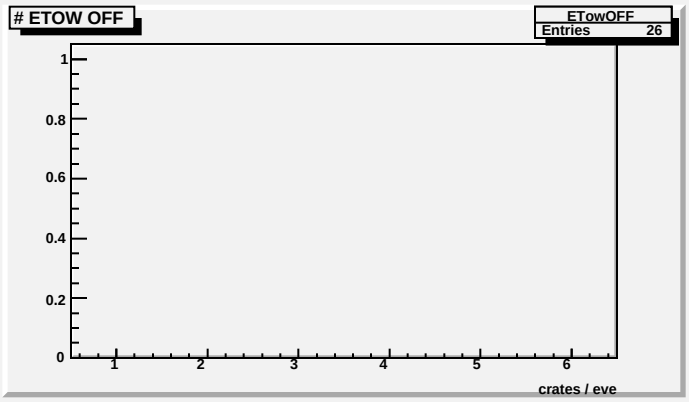
events
X=corr. type

ETOW head corr
ETowHeadCorr
Entries 26
crates / eve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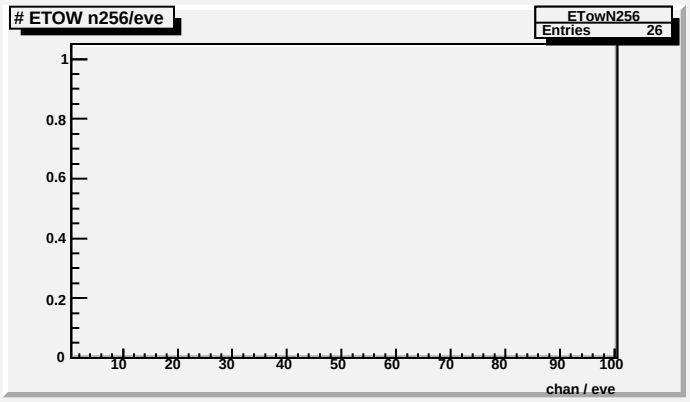
crates / eve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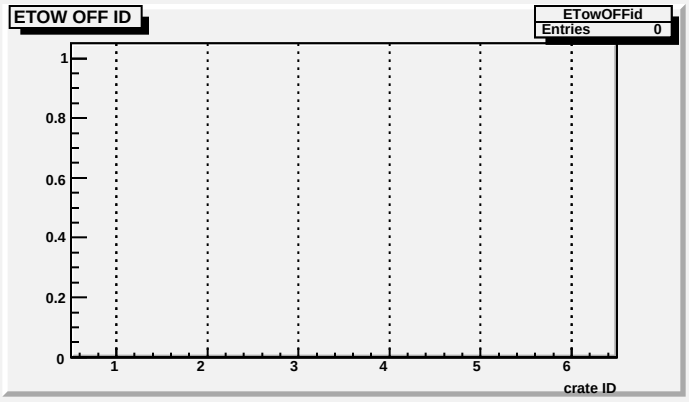
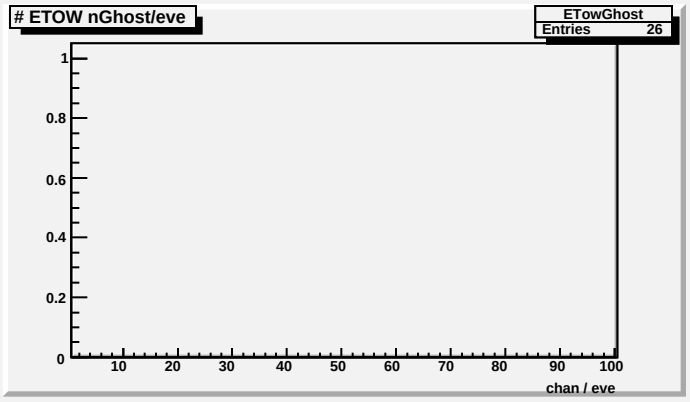
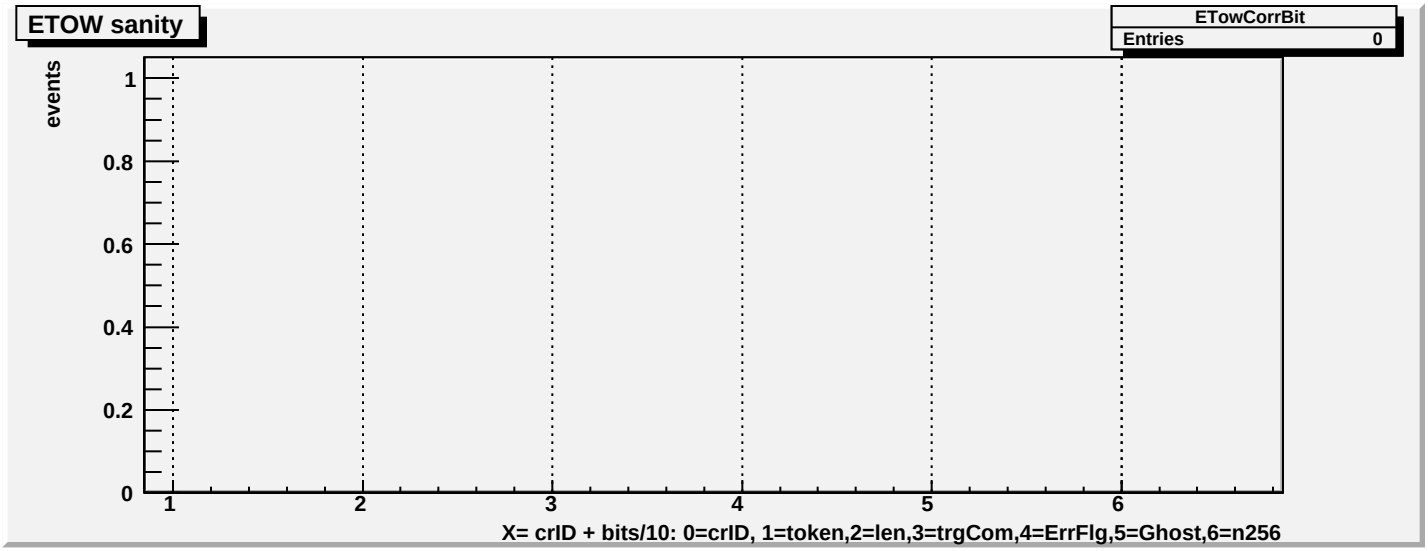
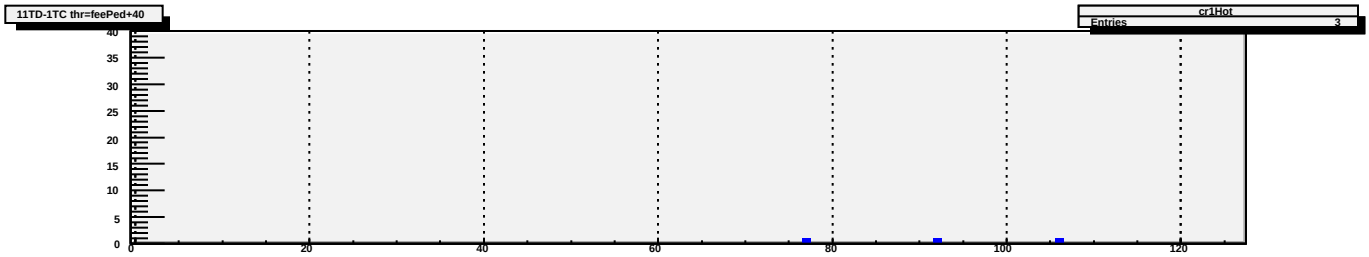
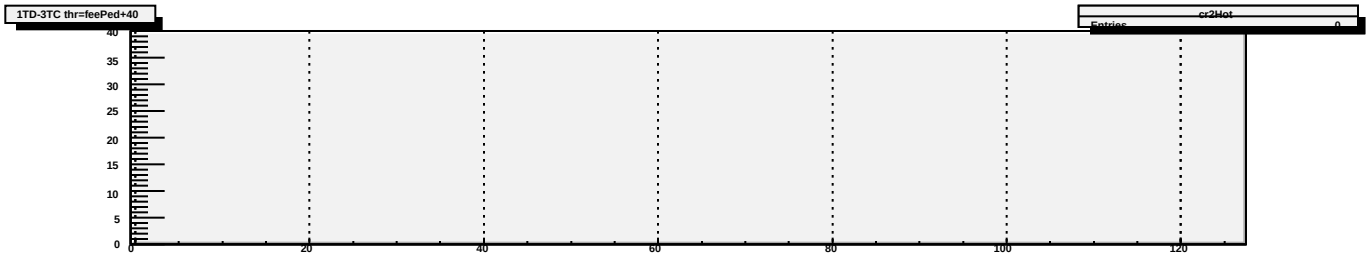
Entries 26
chan / eve

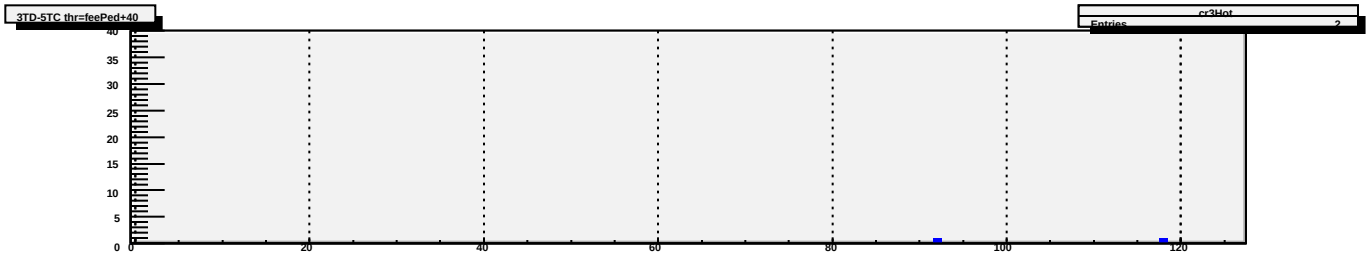

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

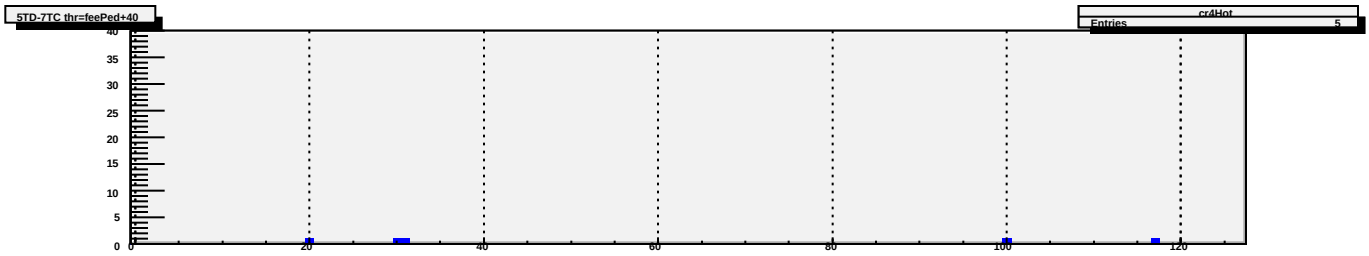

ETOW nGhost/eve
ETowGhost
Entries 26
chan / eve

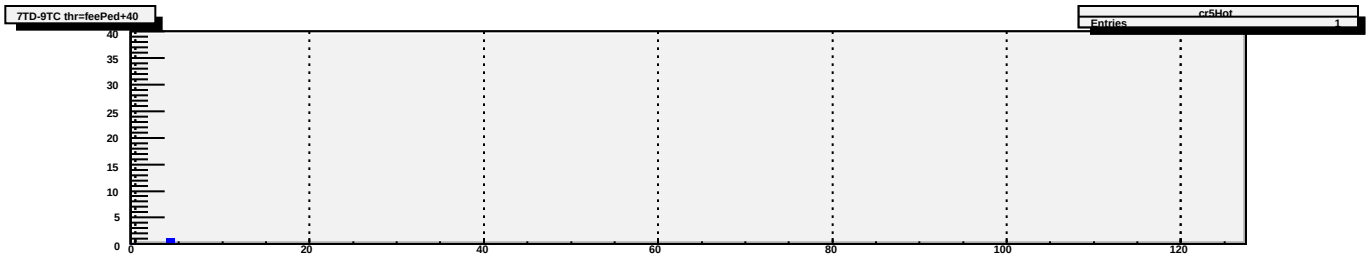

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

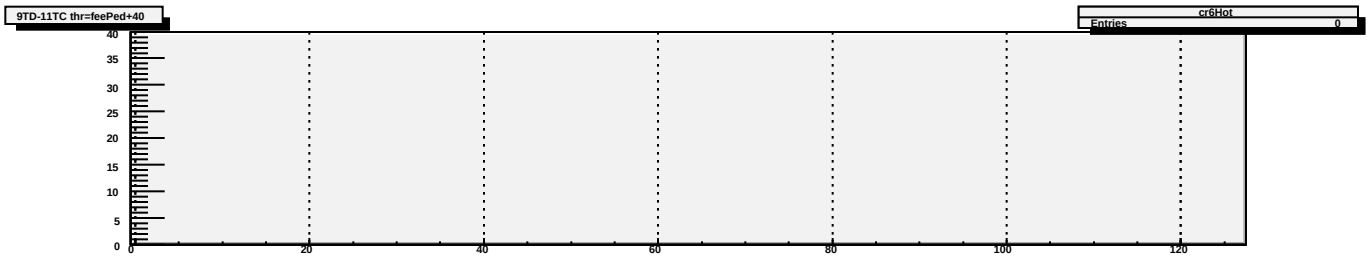

11TD-1TC thr=feePed+40
cr1Hot
Entries 3

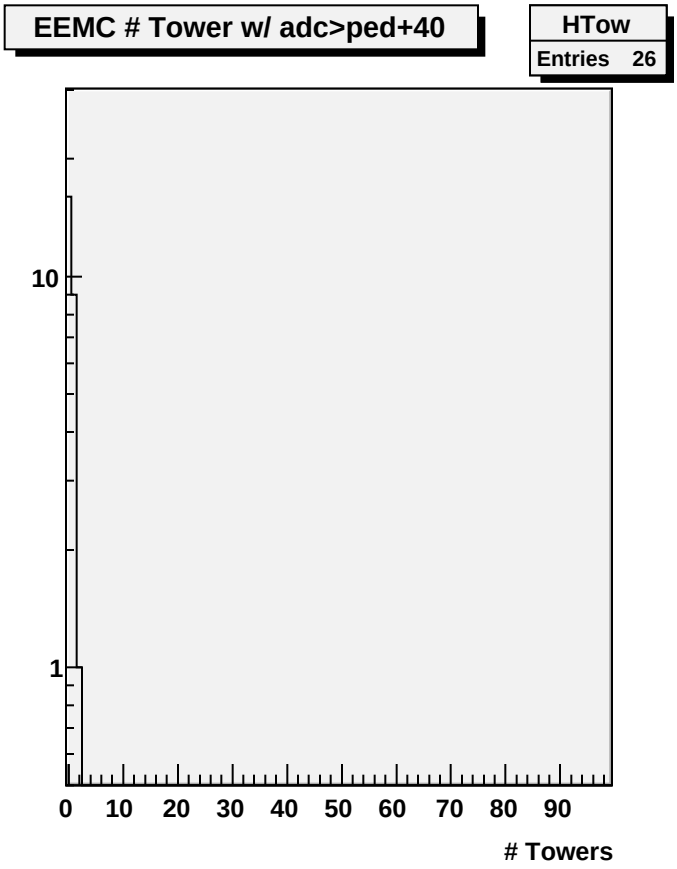

1TD-3TC thr=feePed+40
cr2Hot
Entries 0

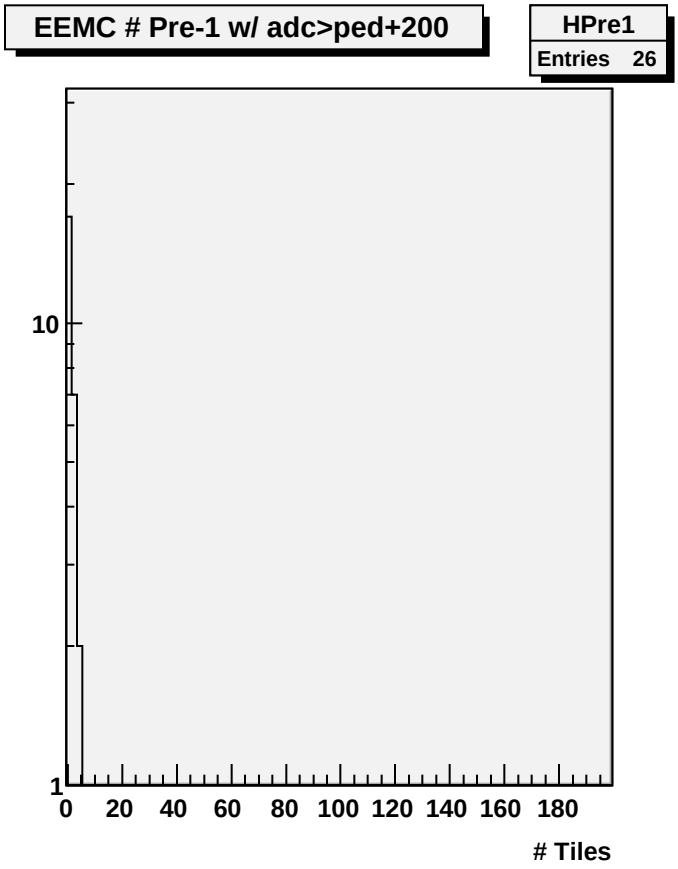

3TD-5TC thr=feePed+40
cr3Hot
Entries 2

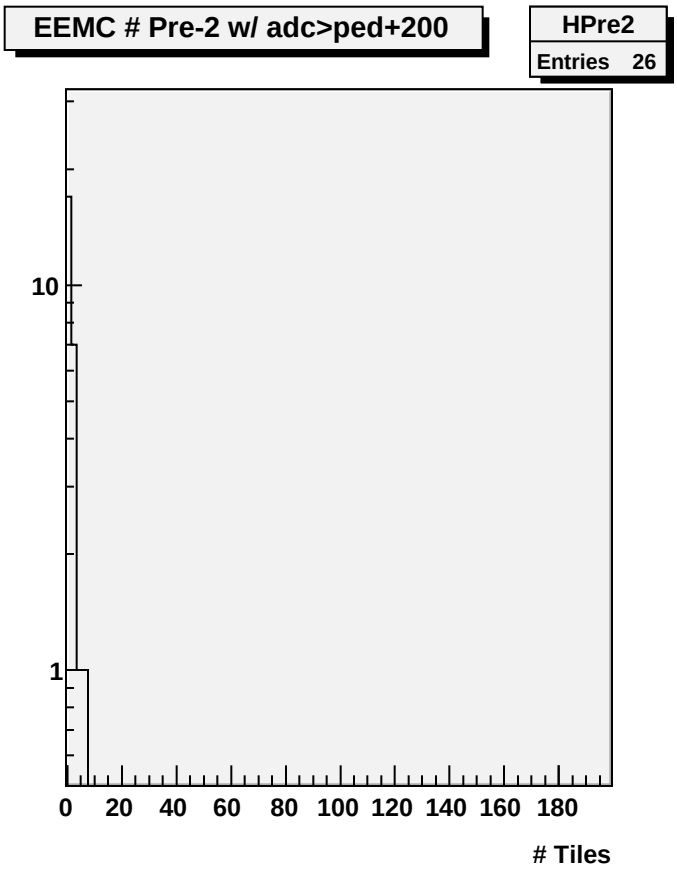

5TD-7TC thr=feePed+40
cr4Hot
Entries 5

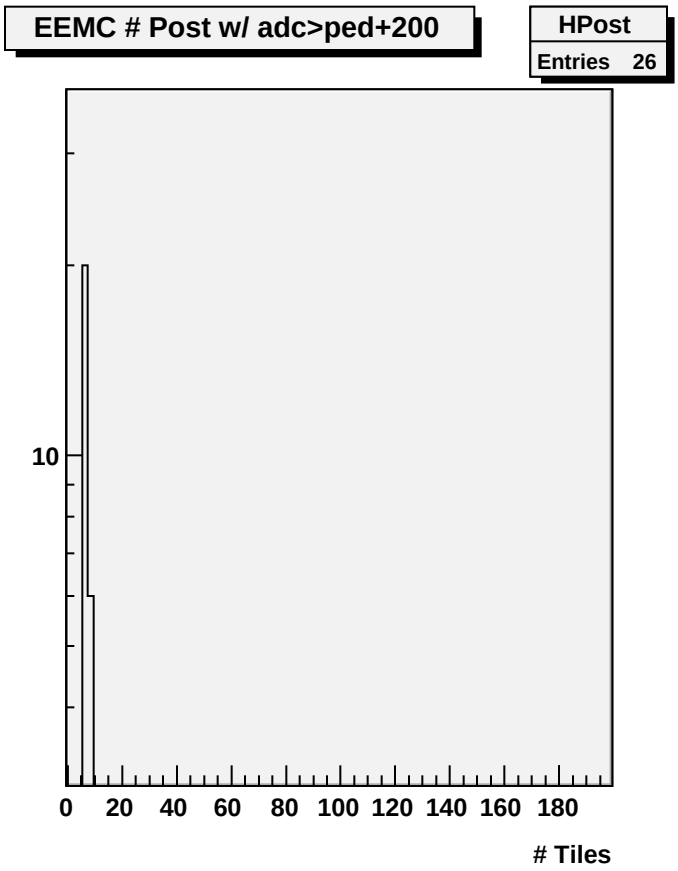

7TD-9TC thr=feePed+40
cr5Hot
Entries 1

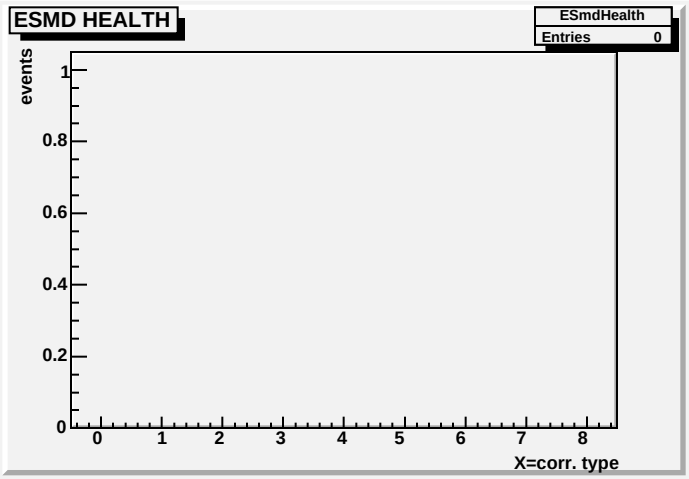

9TD-11TC thr=feePed+40
cr6Hot
Entries 0

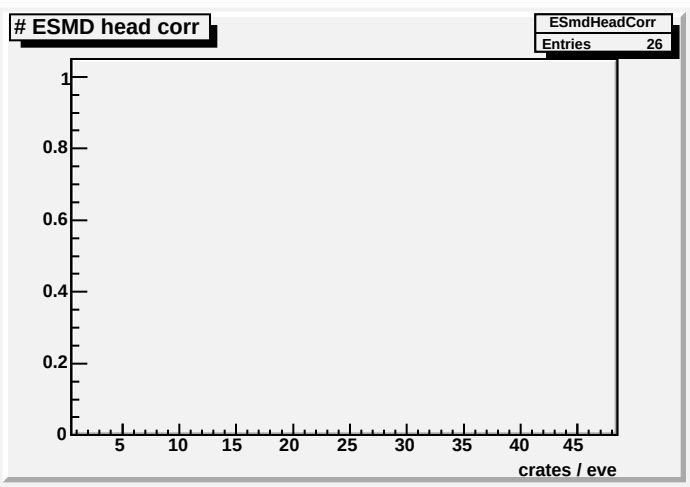

EEMC # Tower w/ adc>ped+40
HTow
Entries 26
10
1
0 10 20 30 40 50 60 70 80 90
Towers

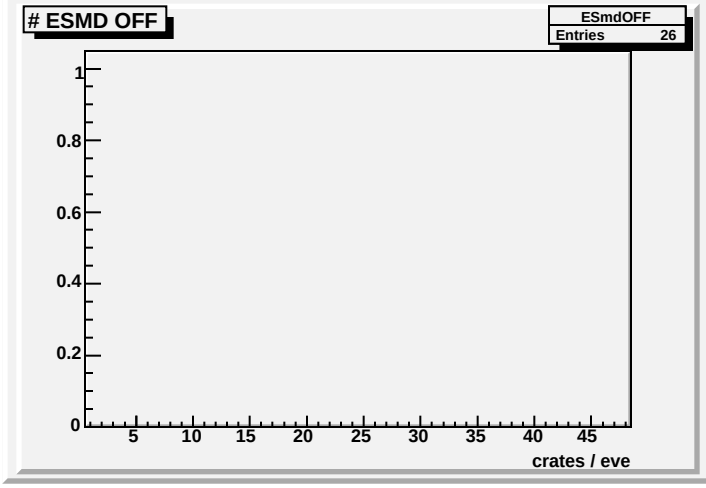

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 26
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

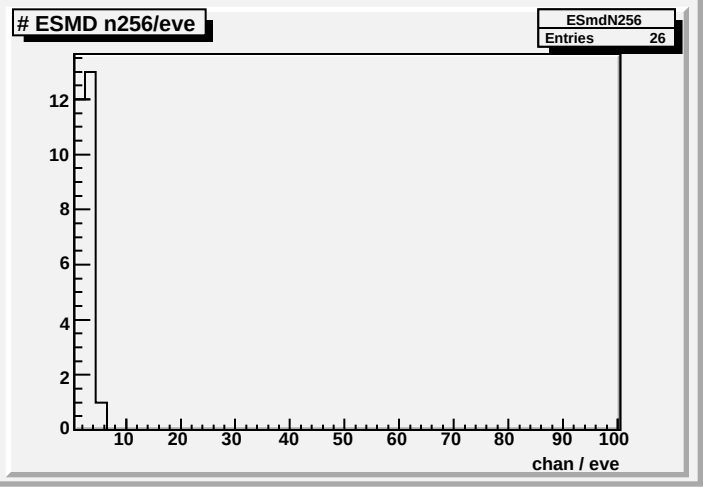

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 26
10
1
0 20 40 60 80 100 120 140 160 180
Tiles

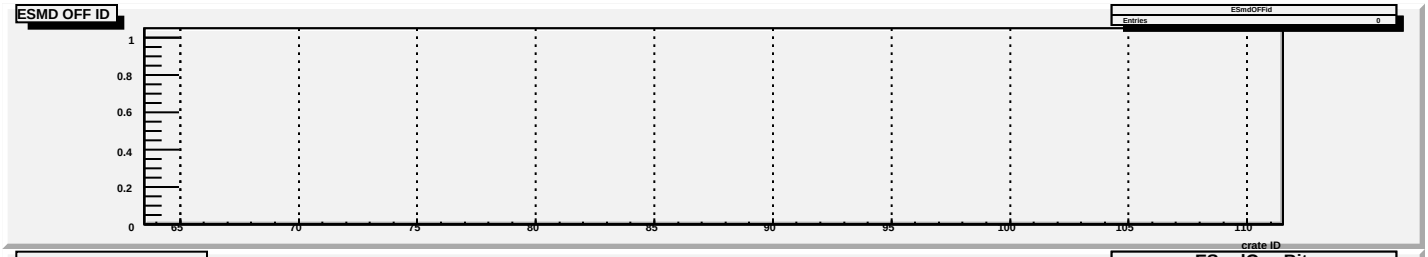

EEMC # Post w/ adc>ped+200
HPost
Entries 26
10
0 20 40 60 80 100 120 140 160 180
Tiles

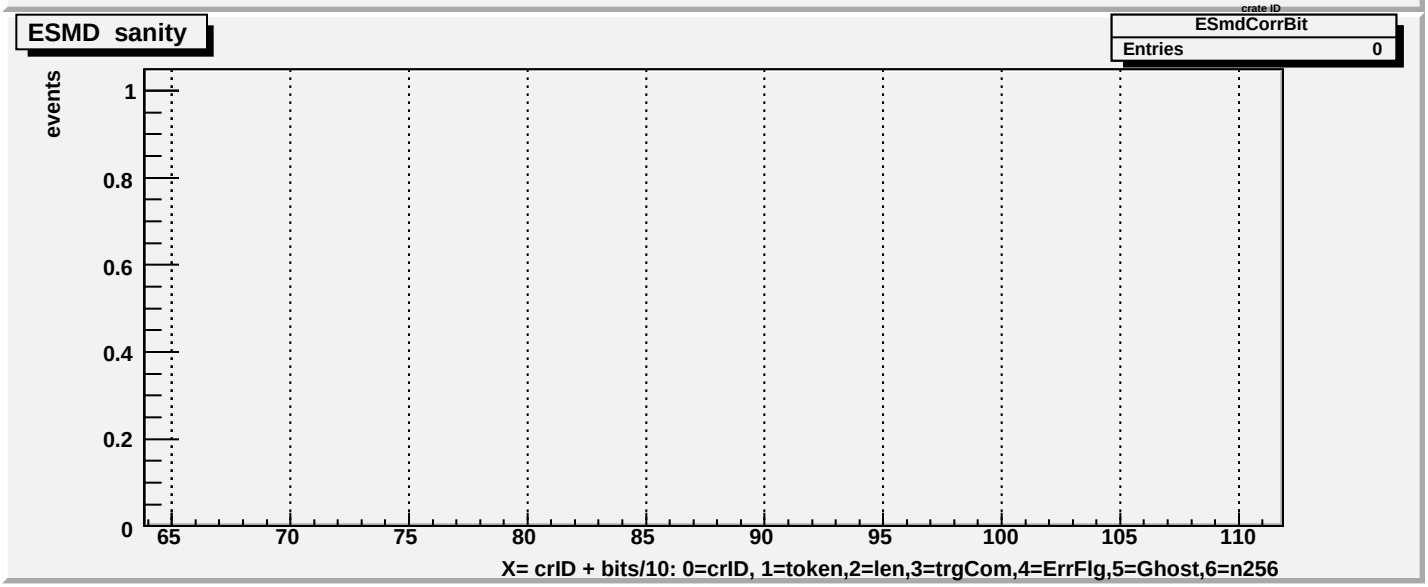

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

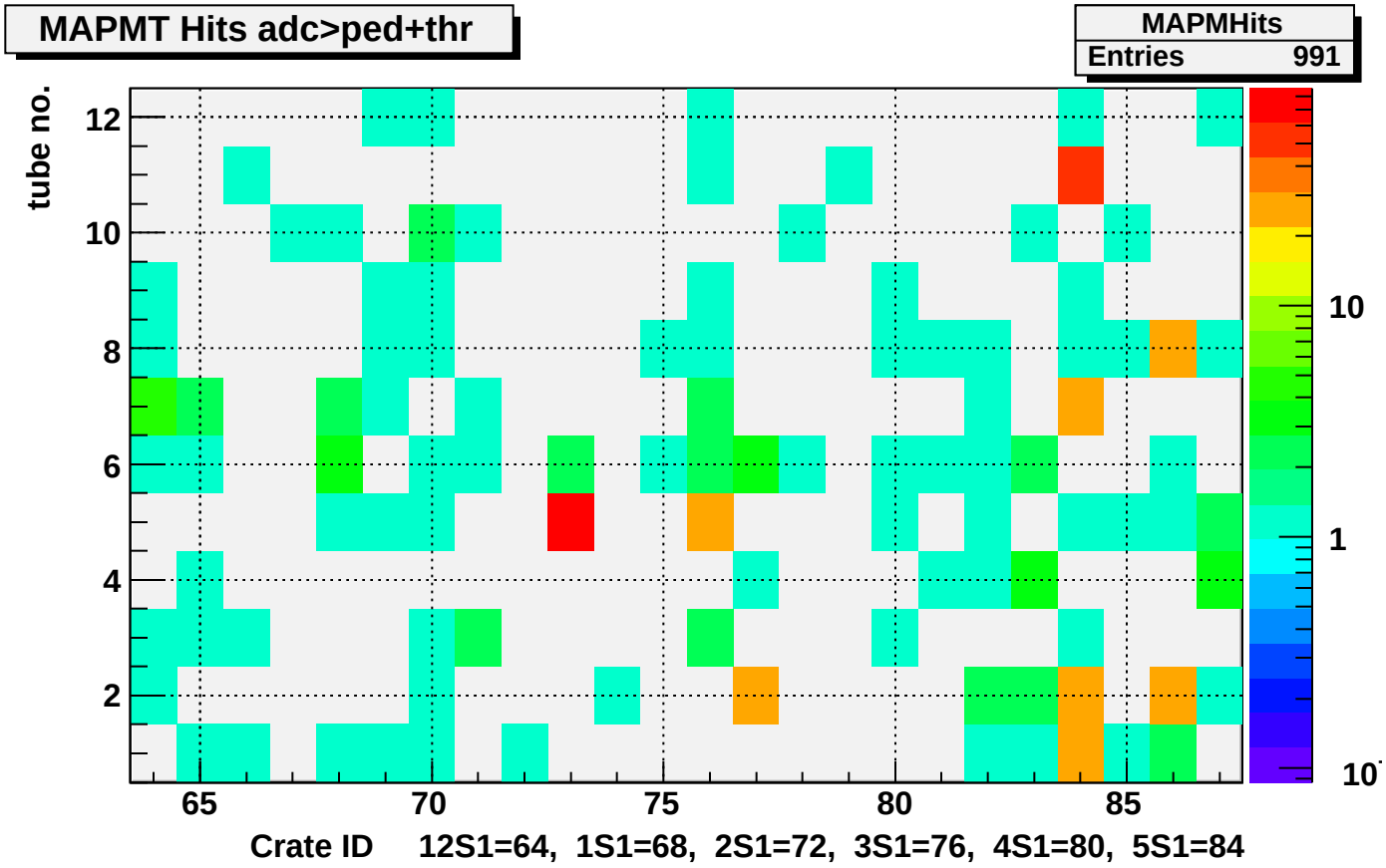

ESMD head corr
ESmdHeadCorr
Entries 26
crates / eve

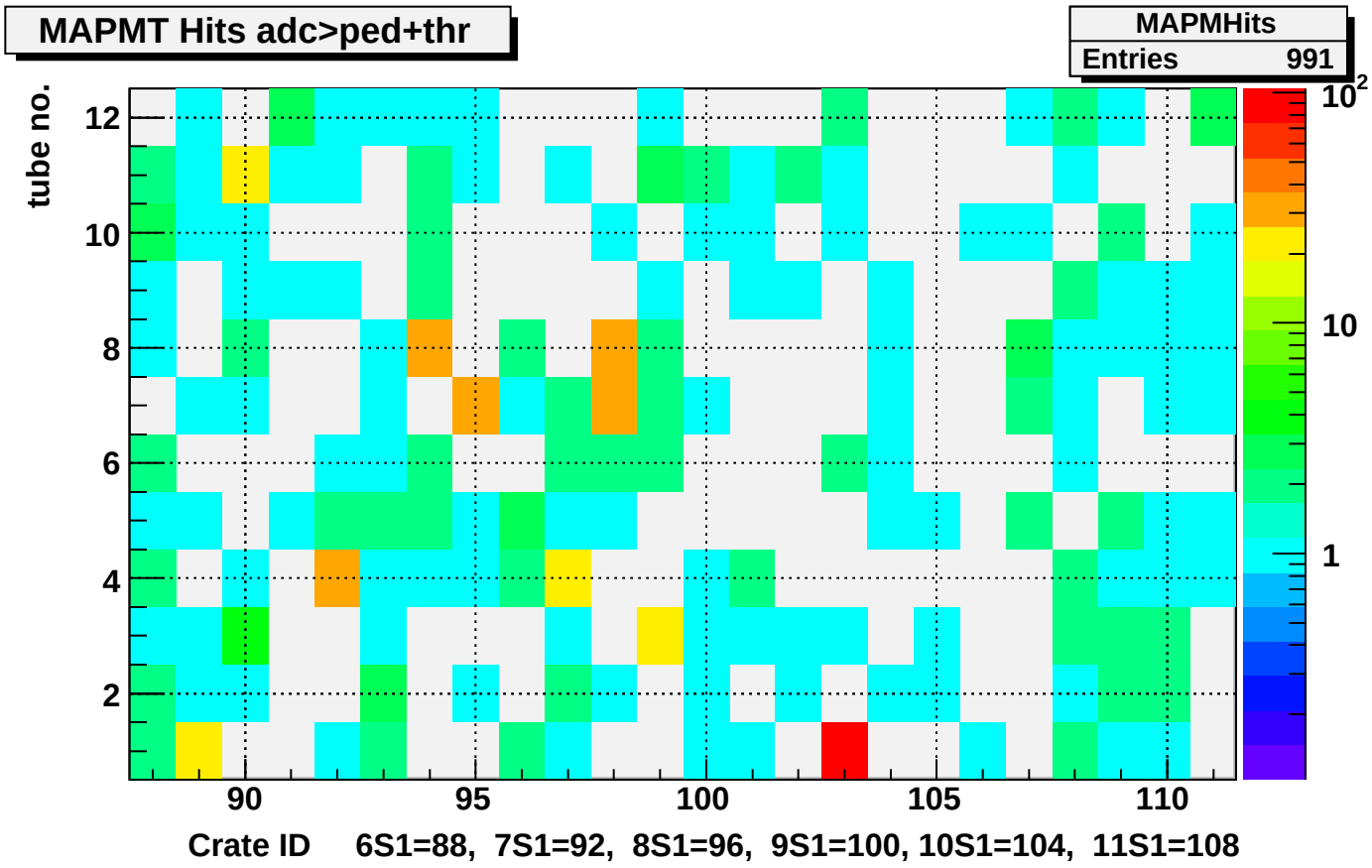

ESMD OFF
ESmdOFF
Entries 26
crates / eve

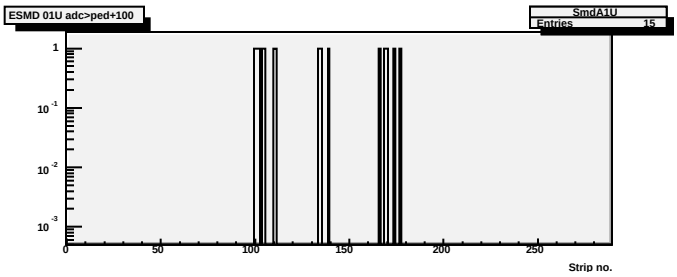

ESMD n256/eve
ESmdN256
Entries 26
chan / eve

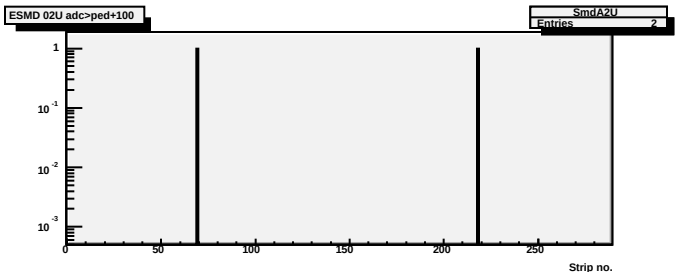

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

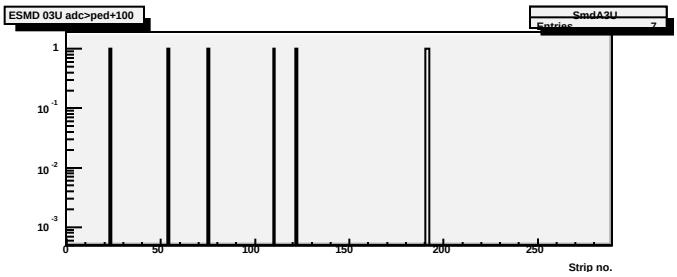

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

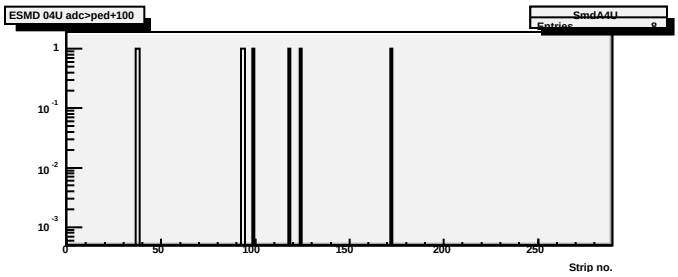

MAPMT Hits adc>ped+thr
MAPMHits
Entries 991
tube no.
12
10
8
6
4
2
65
70
75
80
85
10
1
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84

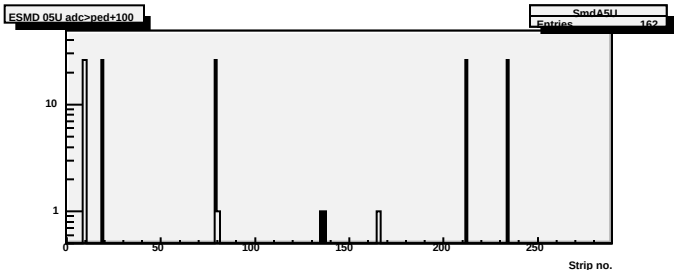

MAPMT Hits adc>ped+thr
MAPMHits
Entries 991
tube no.
12
10
8
6
4
2
90
95
100
105
110
10
1
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108

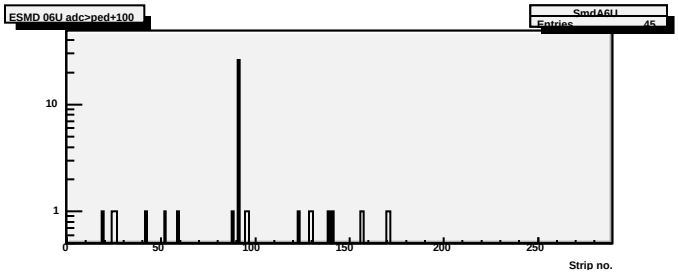

ESMD 01U adc>ped+100
SmdA1U
Entries 15
Strip no.

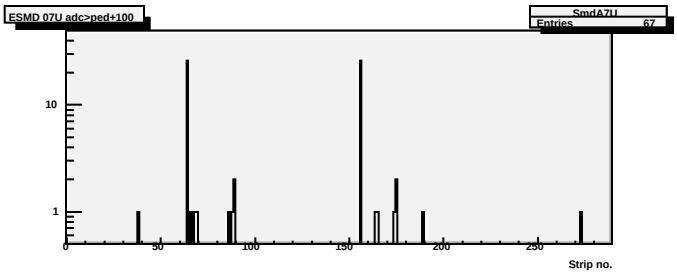

ESMD 02U adc>ped+100
SmdA2U
Entries 2
Strip no.

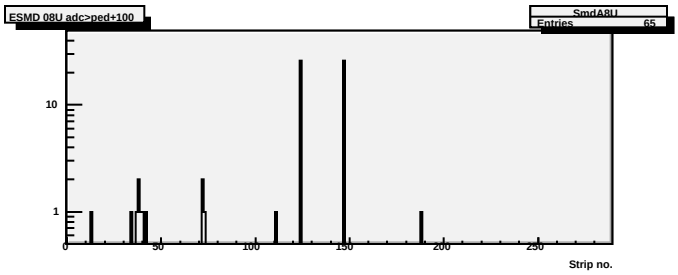

ESMD 03U adc>ped+100
SmdA3U
Entries 7
Strip no.

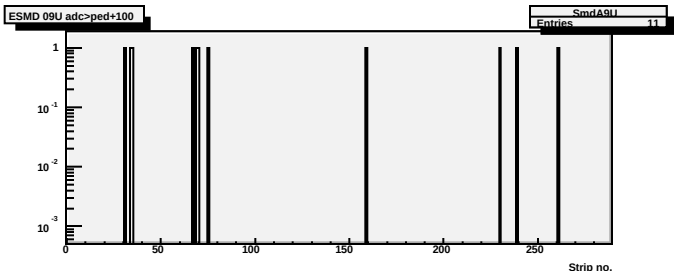

ESMD 04U adc>ped+100
SmdA4U
Entries 8
Strip no.

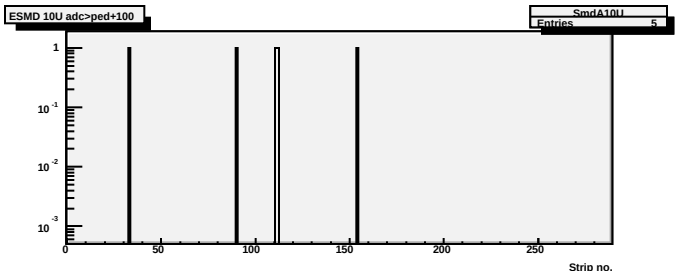

ESMD 05U adc>ped+100
SmdA5U
Entries 162
Strip no.

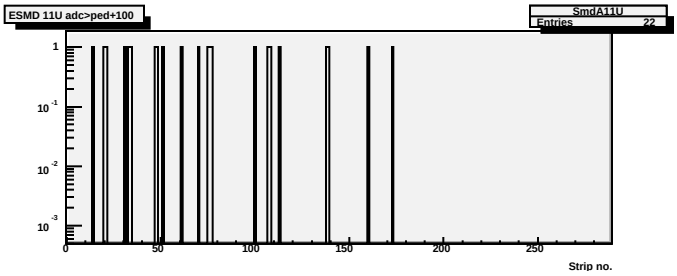

ESMD 06U adc>ped+100
SmdA6U
Entries 45
Strip no.

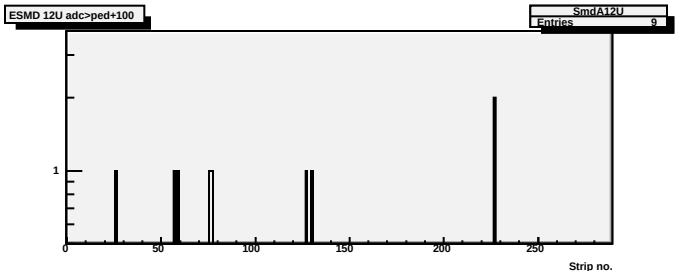

ESMD 07U adc>ped+100
SmdA7U
Entries 67
Strip no.

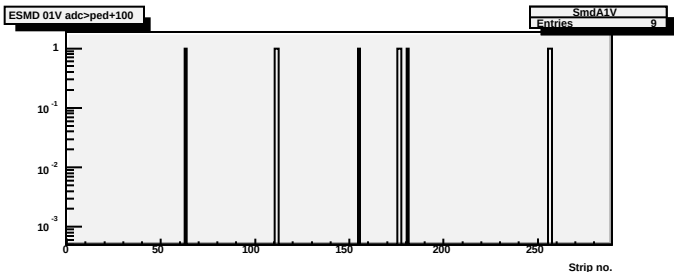

ESMD 08U adc>ped+100
SmdA8U
Entries 65
Strip no.

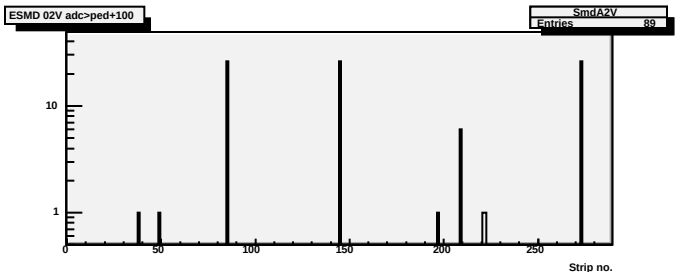

ESMD 09U adc>ped+100
SmdA9U
Entries 11
Strip no.

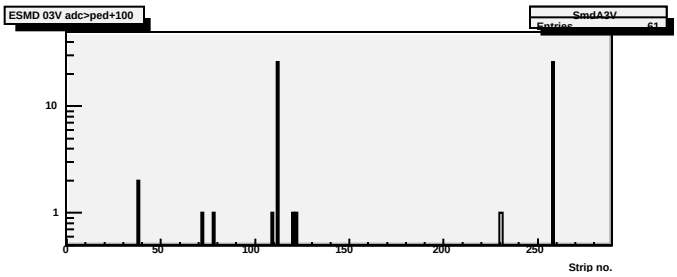

ESMD 10U adc>ped+100
SmdA10U
Entries 5
Strip no.

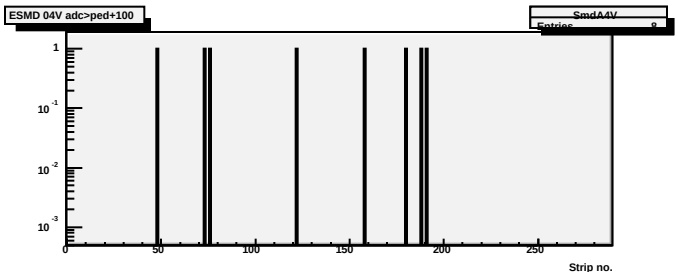

ESMD 11U adc>ped+100
SmdA11U
Entries 22
Strip no.

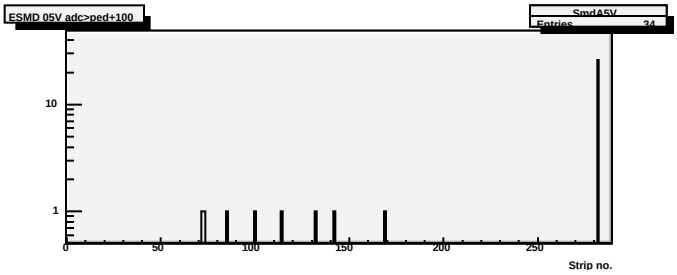

ESMD 12U adc>ped+100
SmdA12U
Entries 9
Strip no.

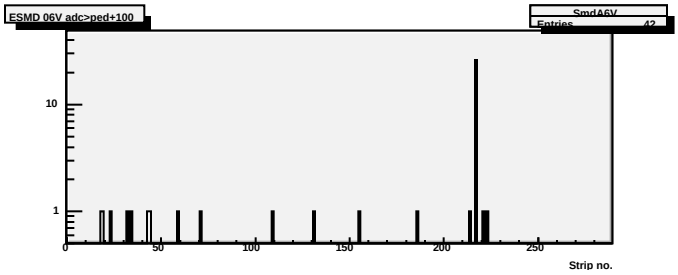

ESMD 01V adc>ped+100
SmdA1V
Entries 9
Strip no.

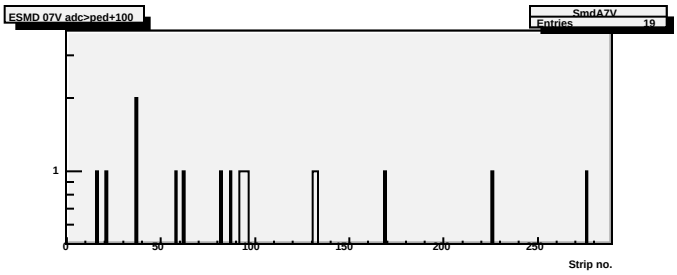

ESMD 02V adc>ped+100
SmdA2V
Entries 89
Strip no.

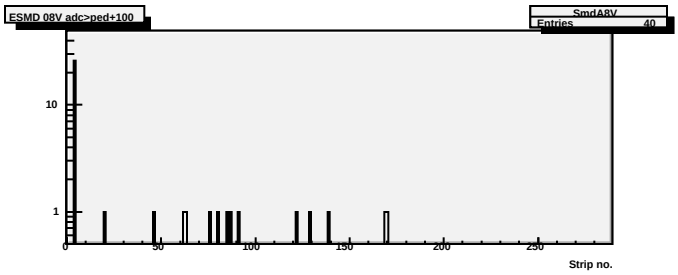

ESMD 03V adc>ped+100
SmdA3V
Entries 61
Strip no.

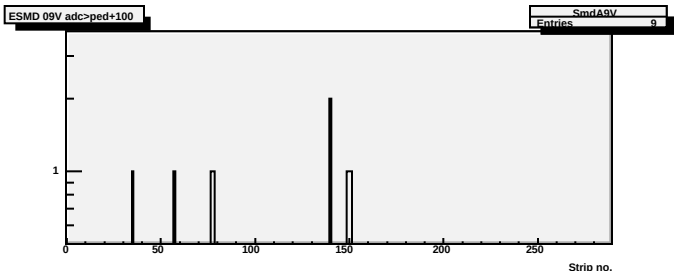

ESMD 04V adc>ped+100
SmdA4V
Entries 8
Strip no.

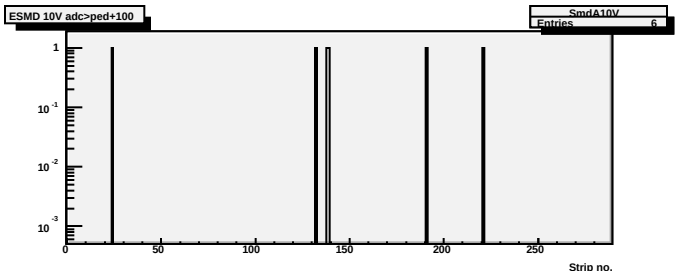

ESMD 05V adc>ped+100
SmdA5V
Entries 34
Strip no.

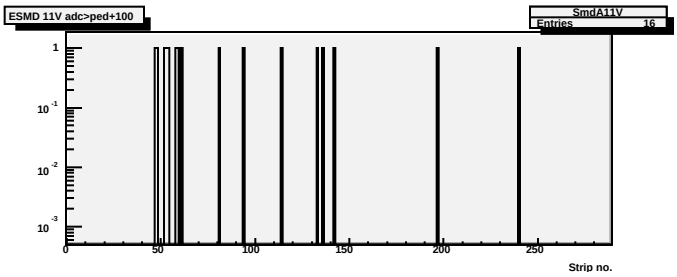

ESMD 06V adc>ped+100
SmdA6V
Entries 42
Strip no.

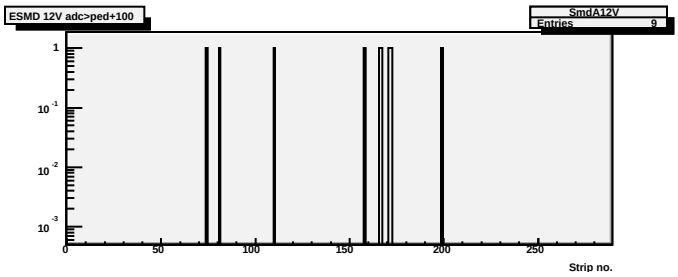

ESMD 07V adc>ped+100
SmdA7V
Entries 19
Strip no.

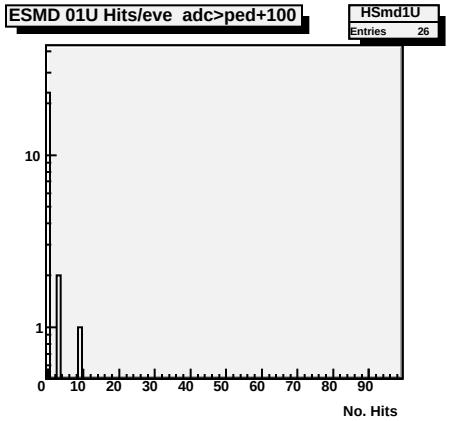

ESMD 08V adc>ped+100
SmdA8V
Entries 40
Strip no.

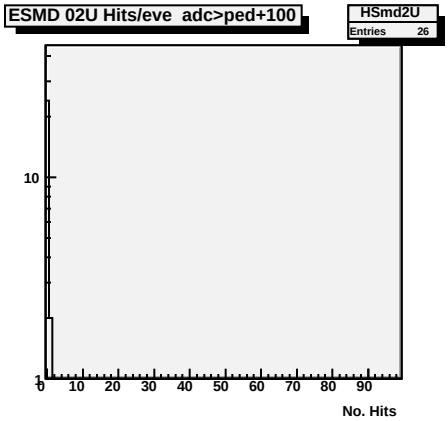

ESMD 09V adc>ped+100
SmdA9V
Entries 9
Strip no.

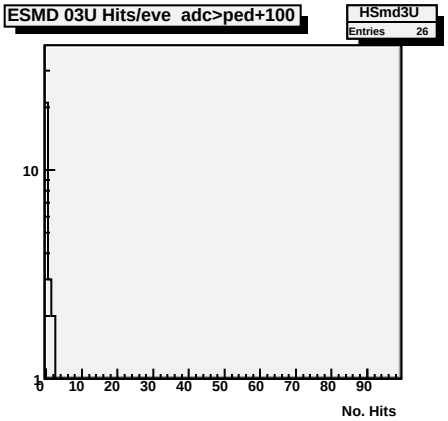

ESMD 10V adc>ped+100
SmdA10V
Entries 6
Strip no.

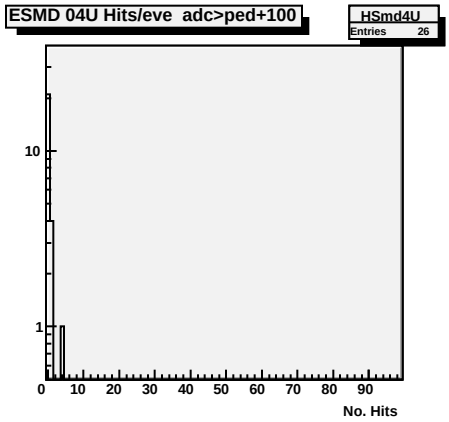

ESMD 11V adc>ped+100
SmdA11V
Entries 16
Strip no.

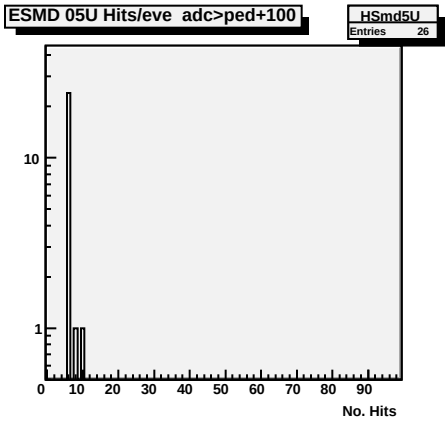

ESMD 12V adc>ped+100
SmdA12V
Entries 9
Strip no.

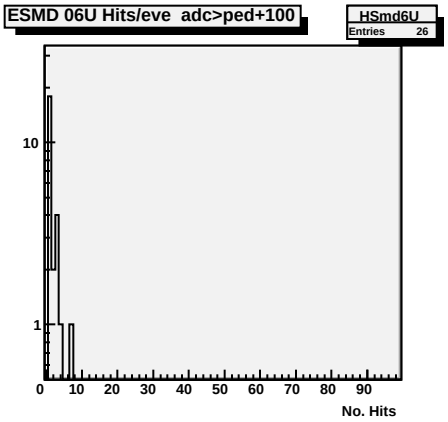

ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 26
No. Hits


ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 26
No. Hits


ESMD 03U Hits/eve adc>ped+100
HSmd3U
Entries 26
No. Hits


ESMD 04U Hits/eve adc>ped+100
HSmd4U
Entries 26
No. Hits


ESMD 05U Hits/eve adc>ped+100
HSmd5U
Entries 26
No. Hits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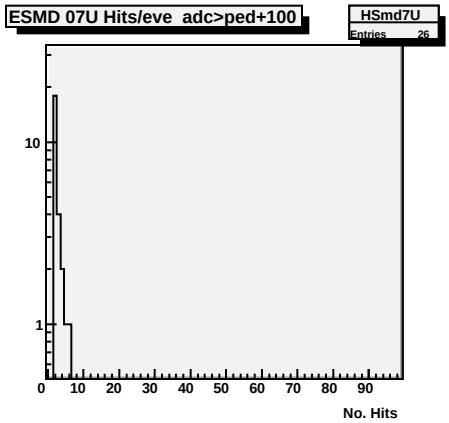
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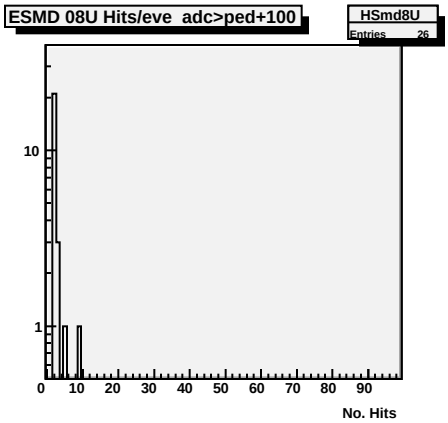
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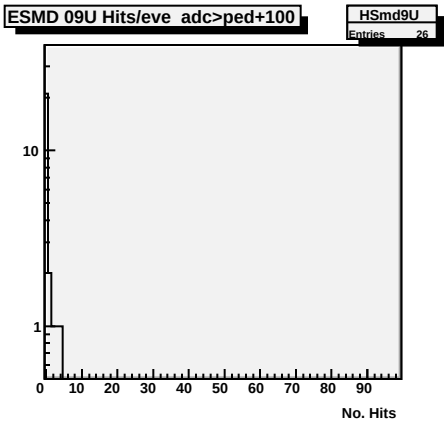
No. Hits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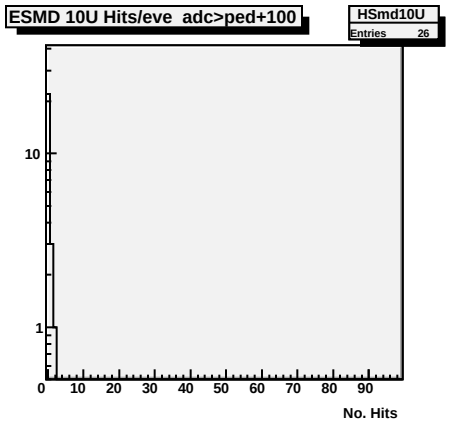
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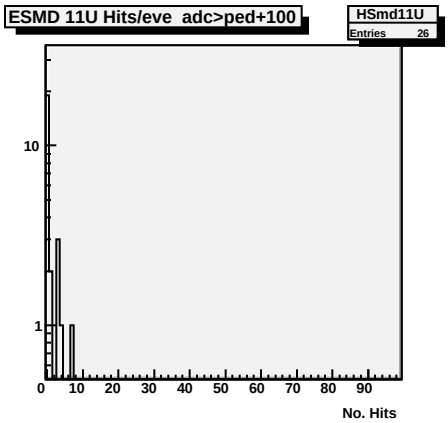
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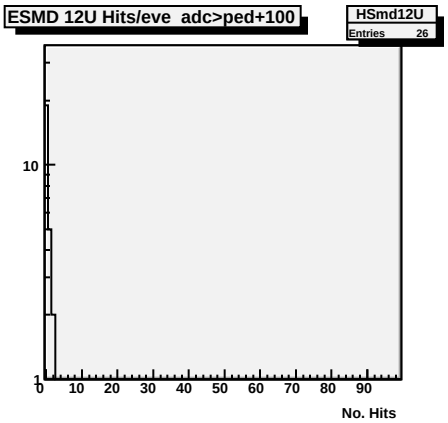
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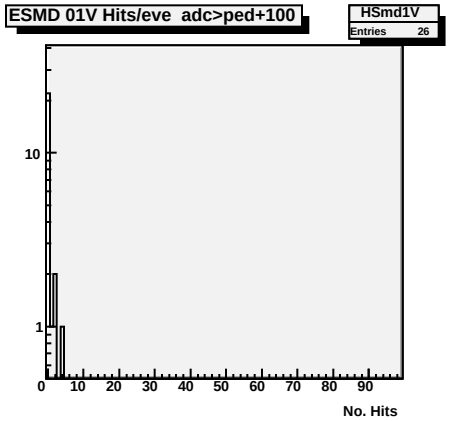
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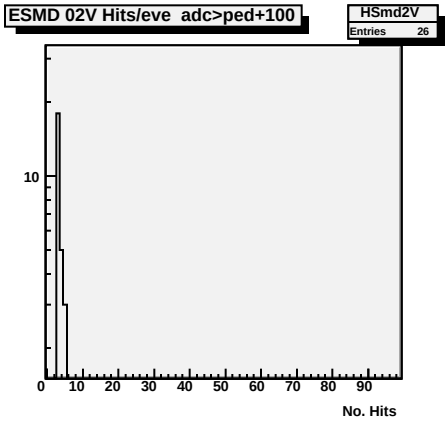
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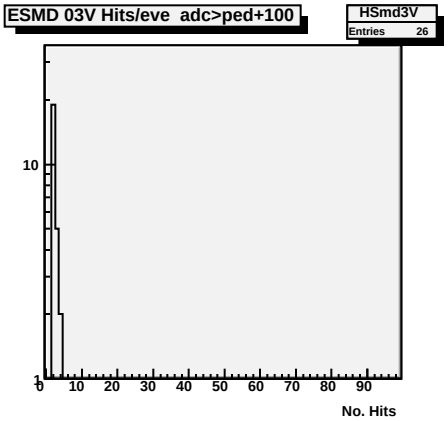
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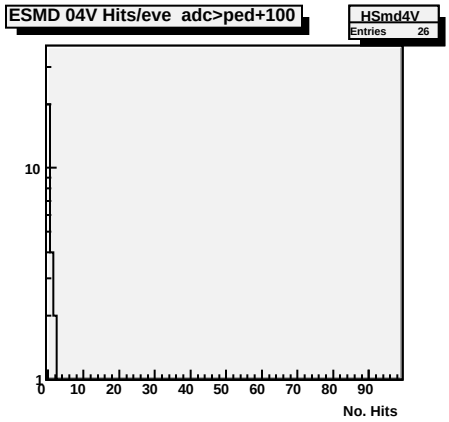
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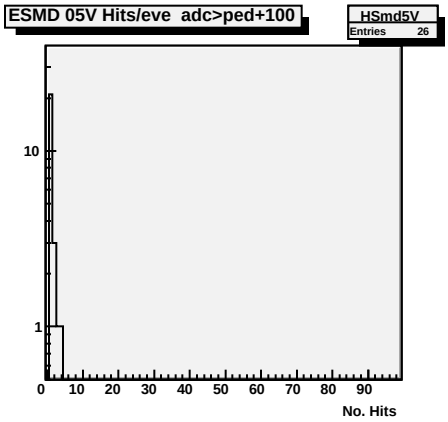
No. Hits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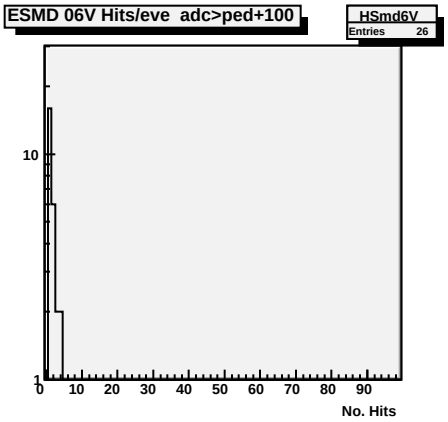
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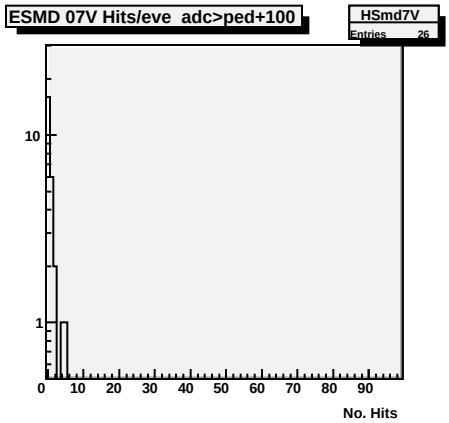
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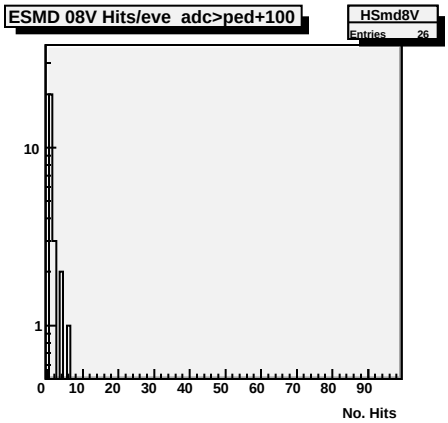
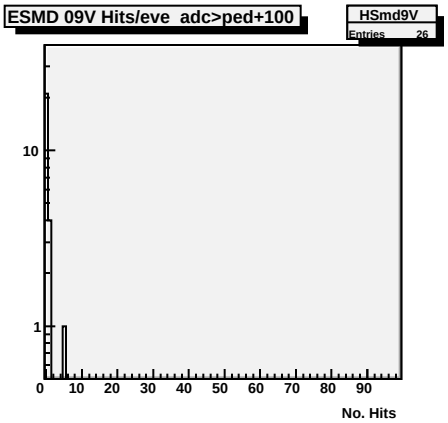
No. Hits


ESMD 08V Hits/eve adc>ped+100
HSmd8V
Entries 26
No. Hits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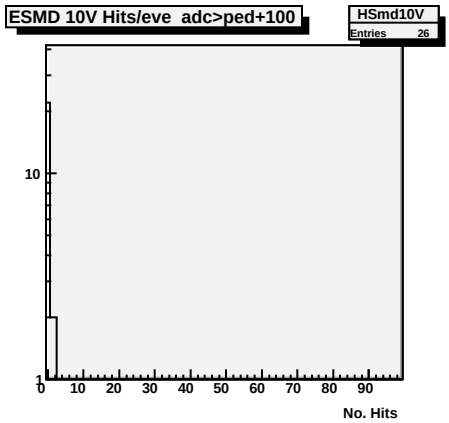
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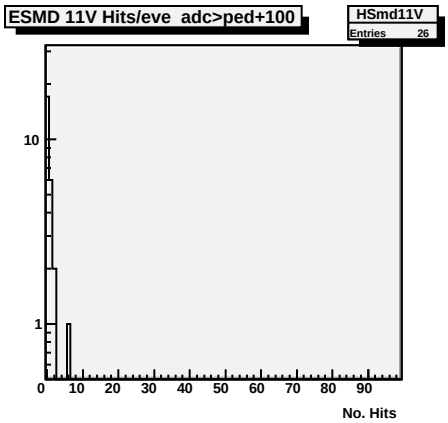
No. Hits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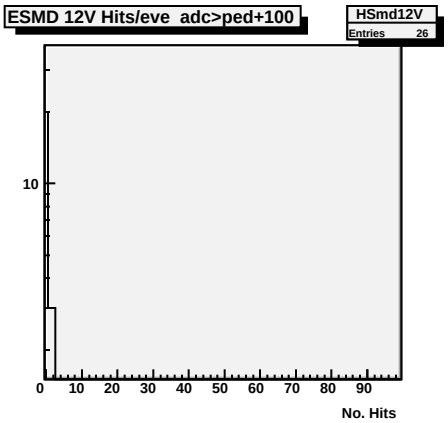
No. Hits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HSmd12V
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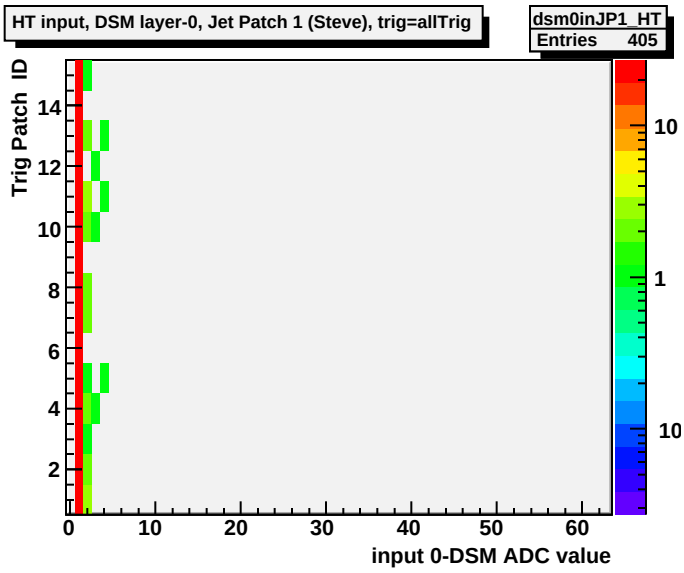
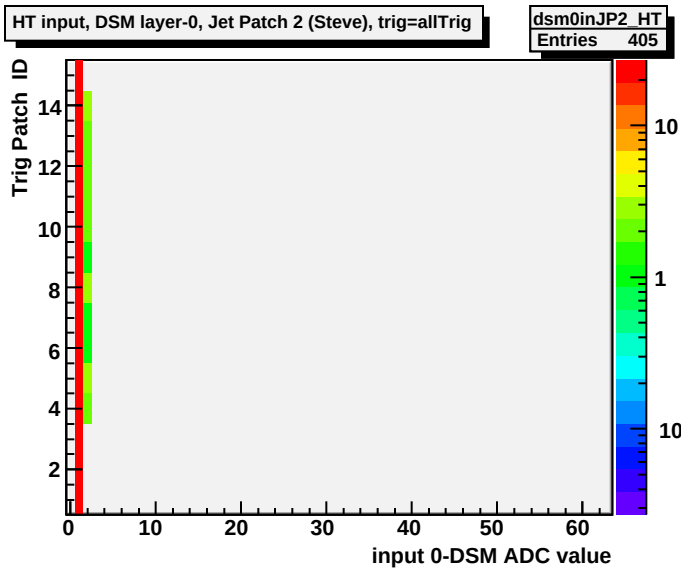
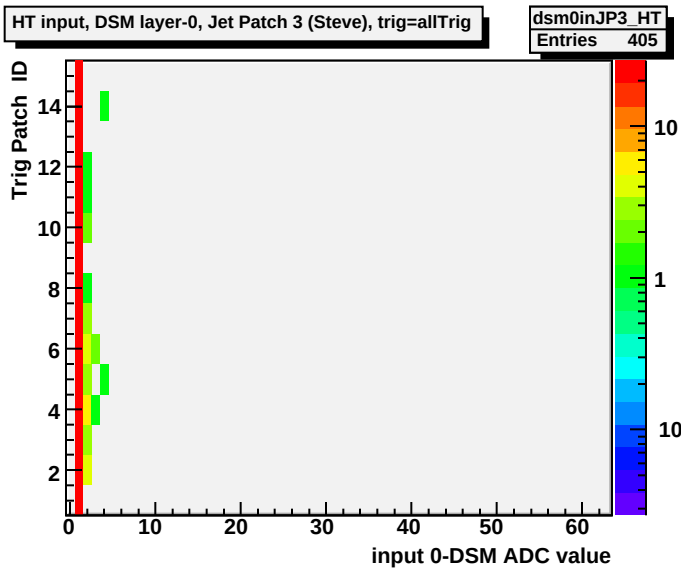
No. Hits


HT input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_HT
Entries 405
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_HT
Entries 405
Trig Patch ID
input 0-DSM ADC value


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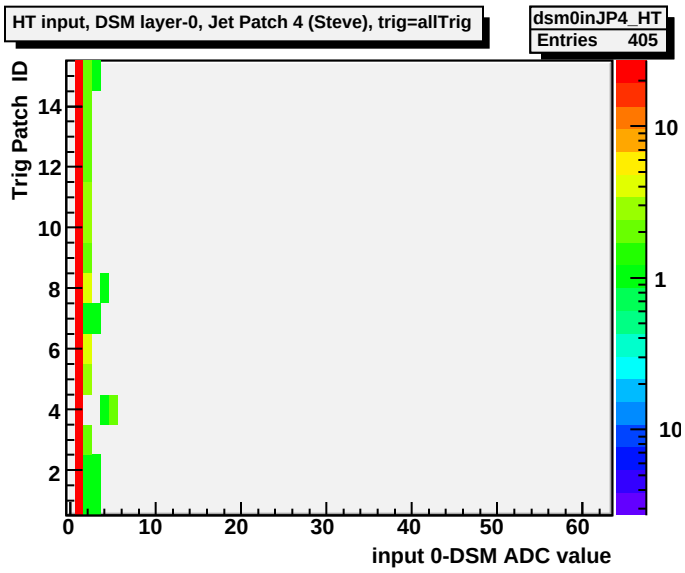
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
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Entries 405
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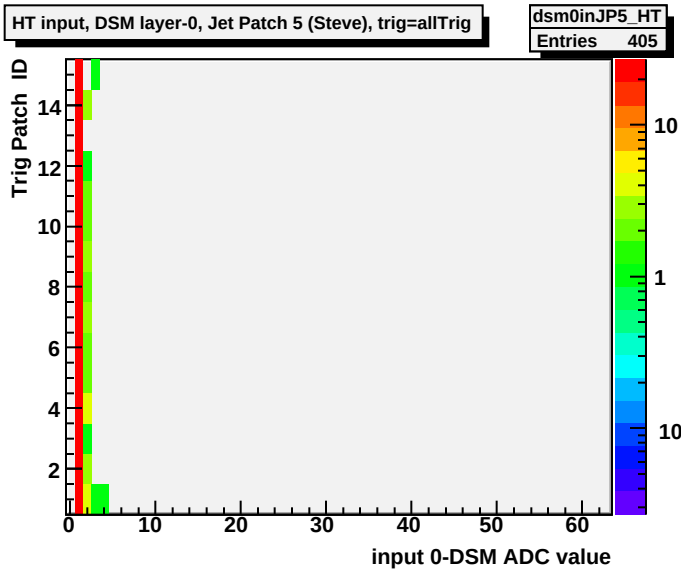
HT input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_HT
Entries 405
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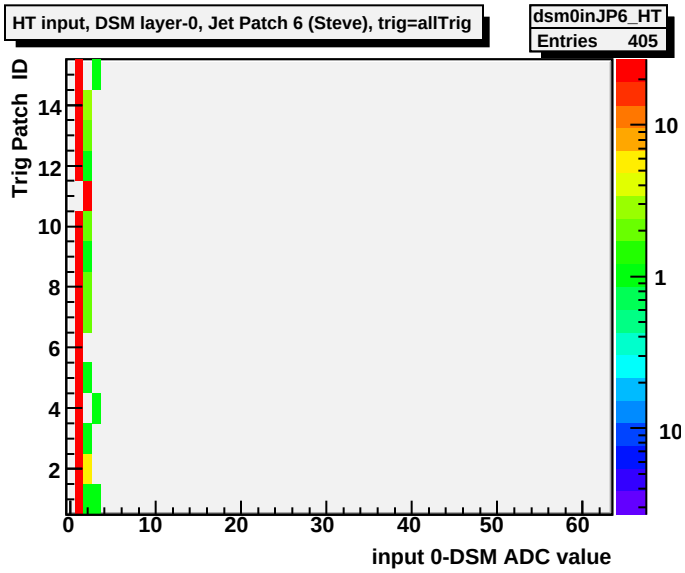
HT input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
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Entries 405
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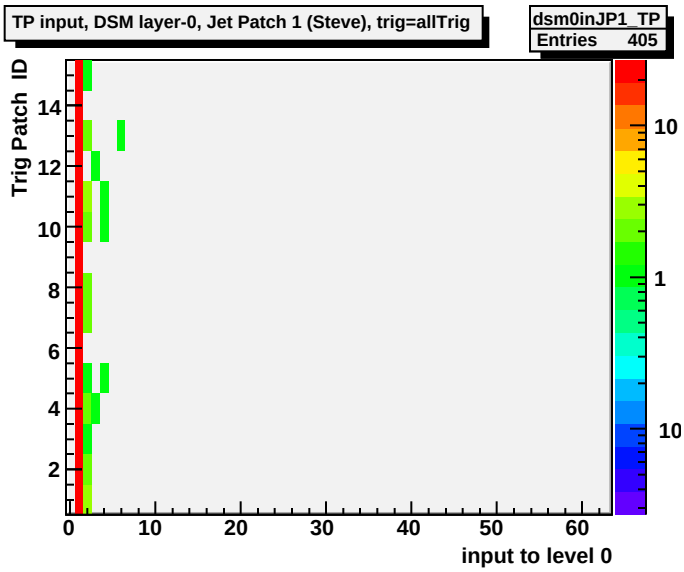
input 0-DSM ADC value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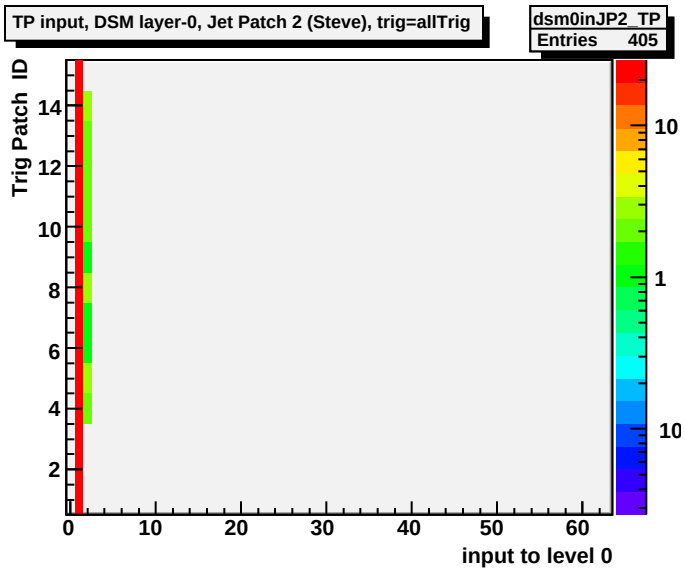
TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
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Entries 405
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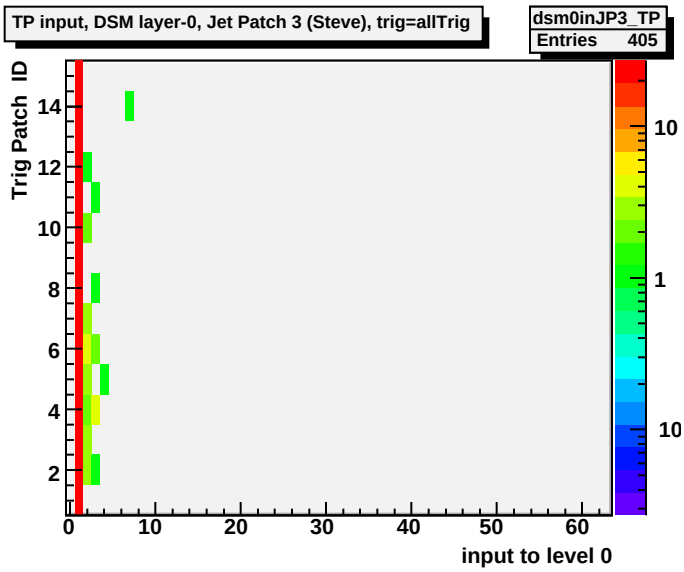
input to level 0


TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
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Entries 405
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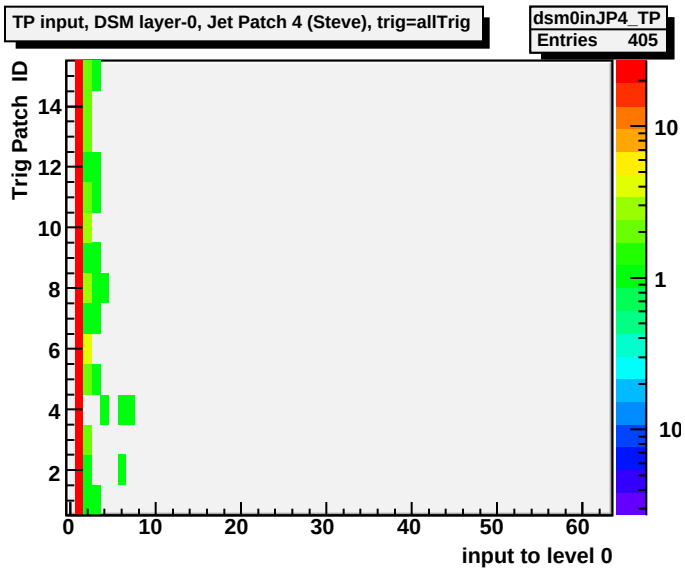
input to level 0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Entries 405
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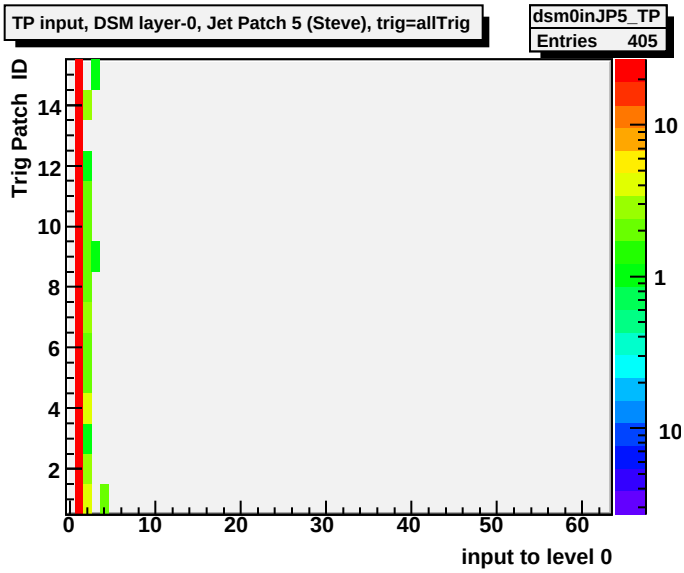
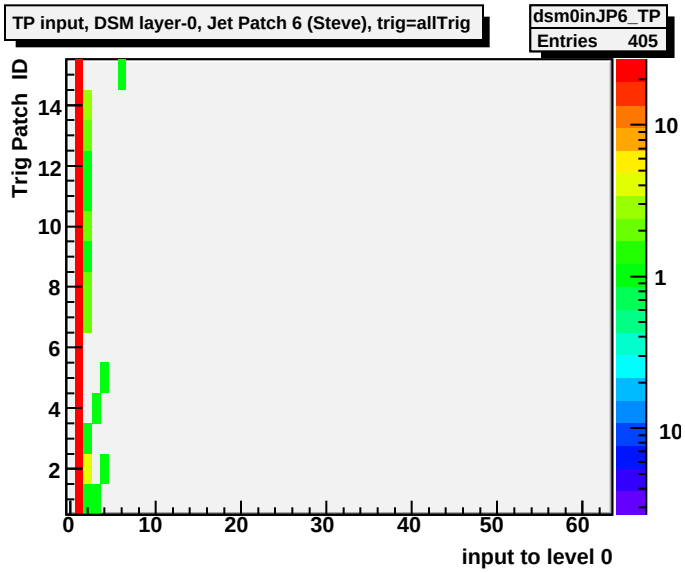
input to level 0


TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 405
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
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Entries 405
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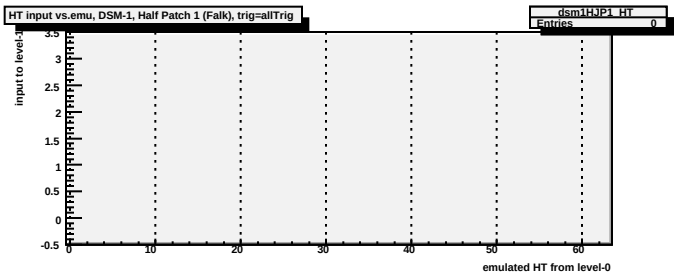
input to level 0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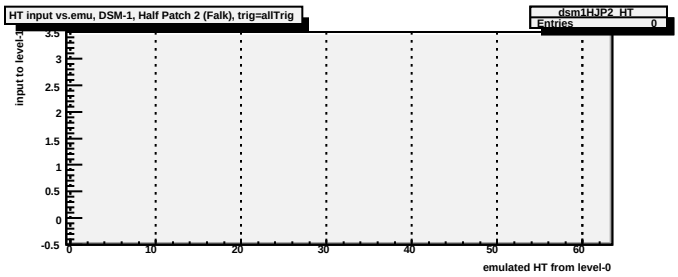
Entries 0
input to level-1
emulated HT from level-0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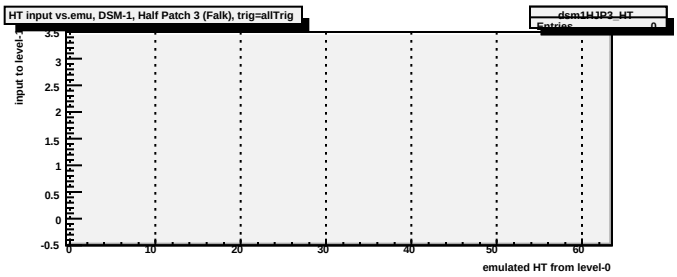
Entries 0
input to level-1
emulated HT from level-0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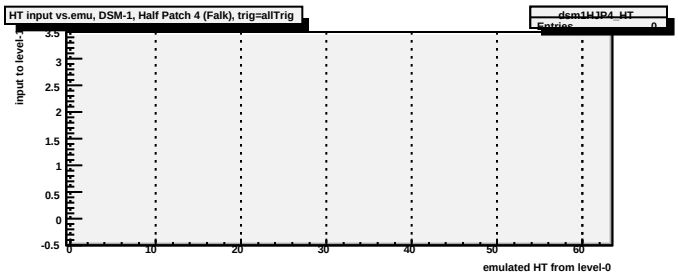
Entries 0
input to level-1
emulated HT from level-0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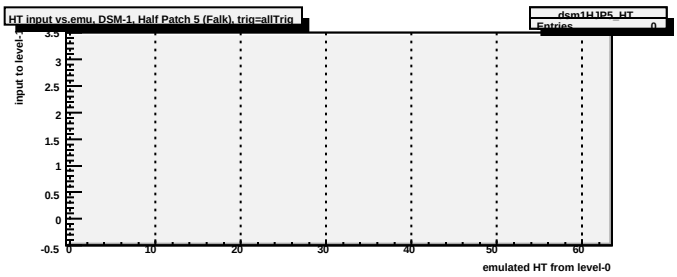
dsm1HJP4_HT
Entries 0
input to level-1
emulated HT from level-0


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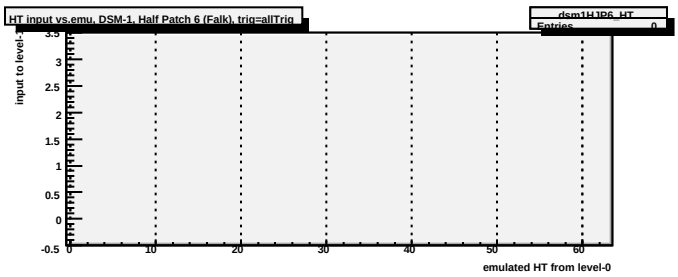
Entries 0
input to level-1
emulated HT from level-0


HT input vs.emu, DSM-1, Half Patch 6 (Falk), trig=allTrig
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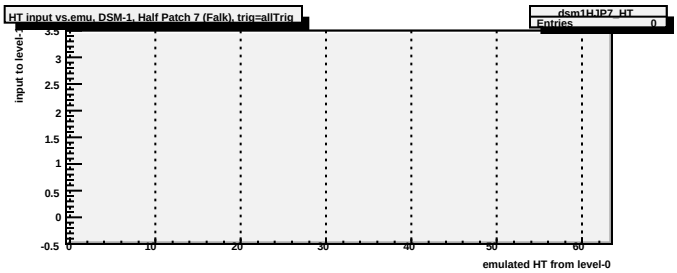
Entries 0
input to level-1
emulated HT from level-0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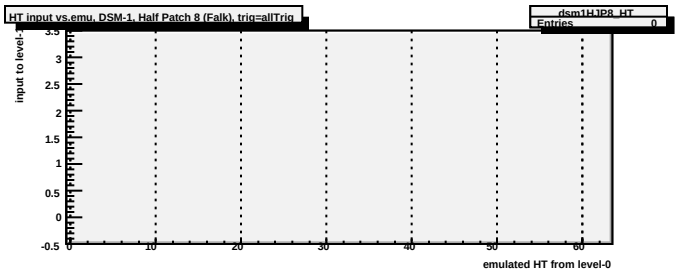
dsm1HJP7_HT
Entries 0
input to level-1
emulated HT from level-0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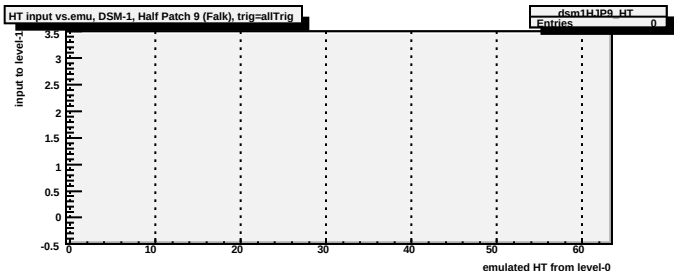
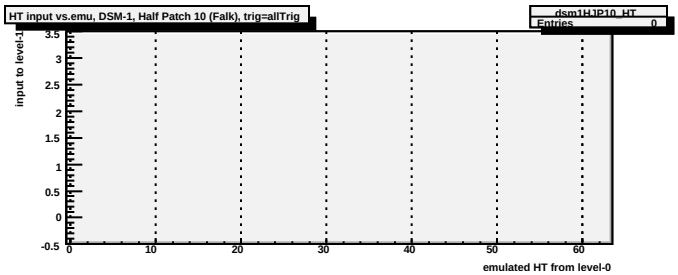
dsm1HJP8_HT
Entries 0
input to level-1
emulated HT from level-0


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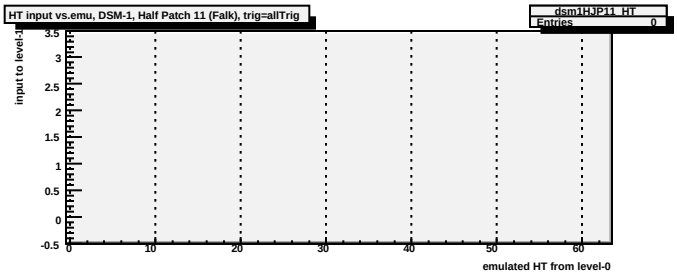
emulated HT from level-0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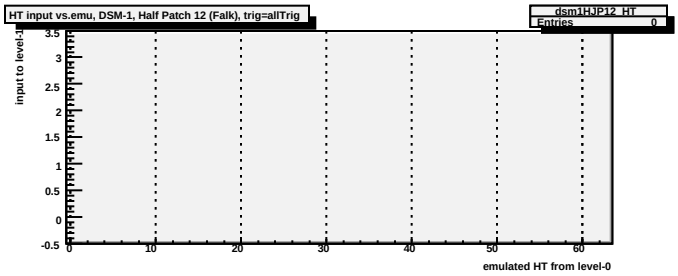
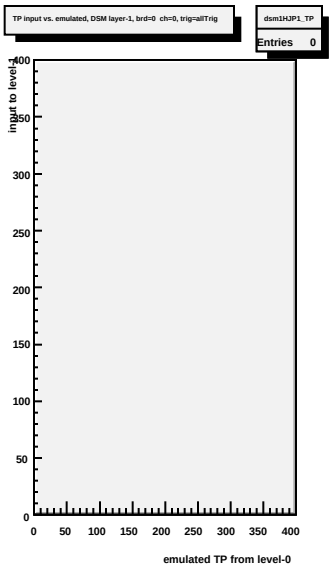
Entries 0
input to level-1
emulated HT from level-0


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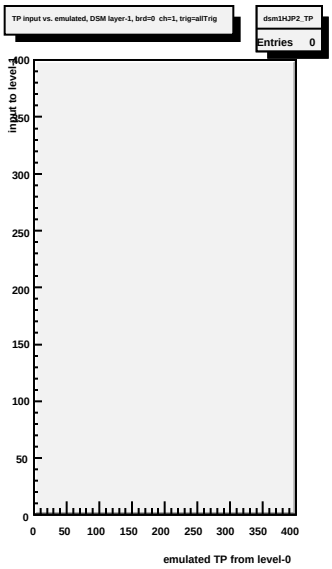
Entries 0
input to level-1
emulated TP from level-0


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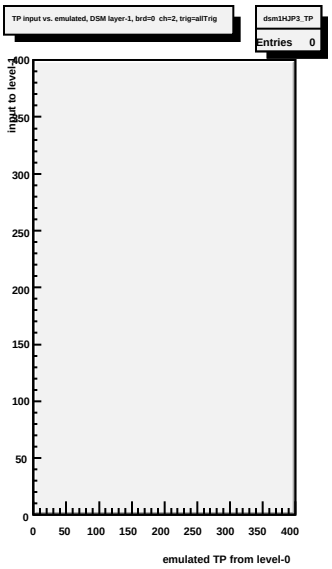
Entries 0
input to level-1
emulated TP from level-0


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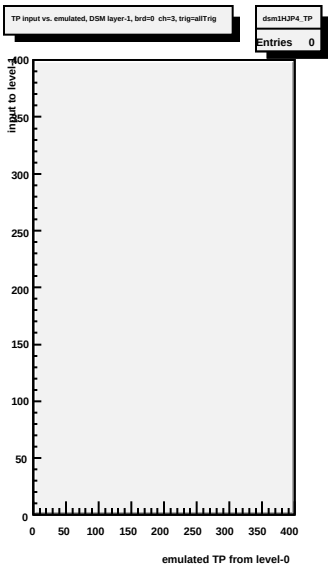
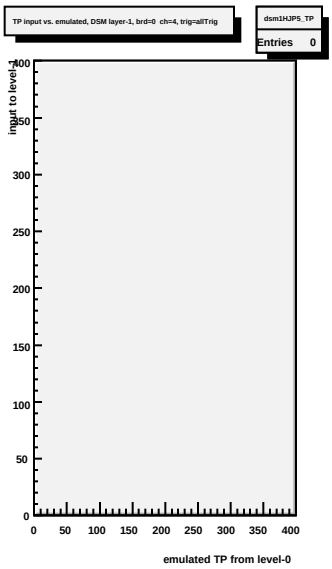
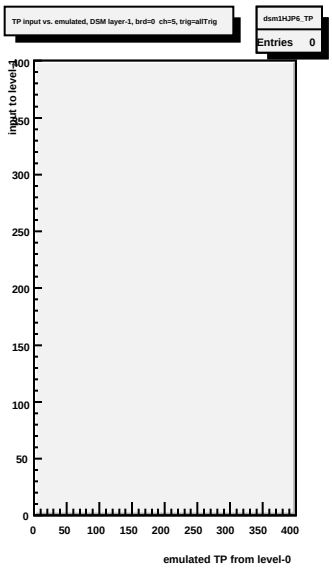
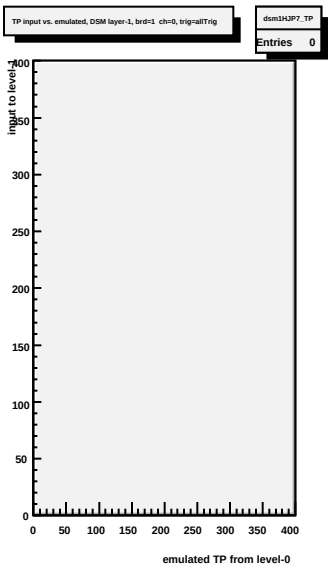
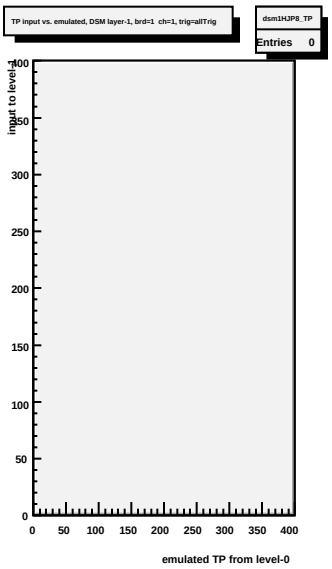
Entries 0
input to level-1
emulated TP from level-0

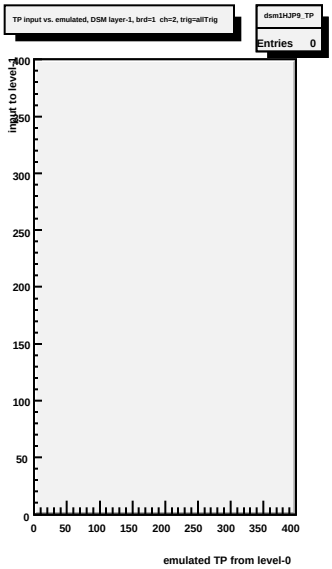

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

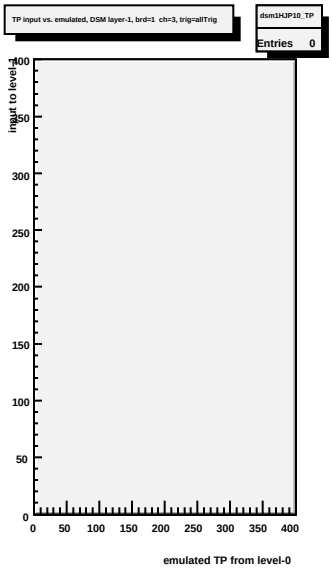

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

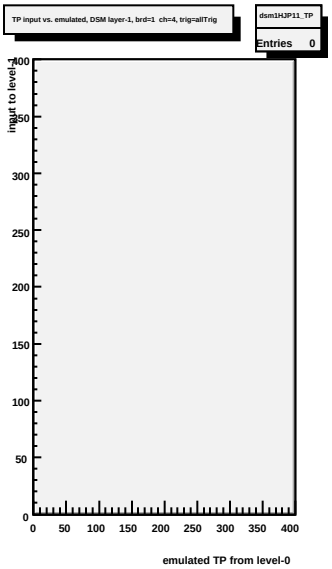

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

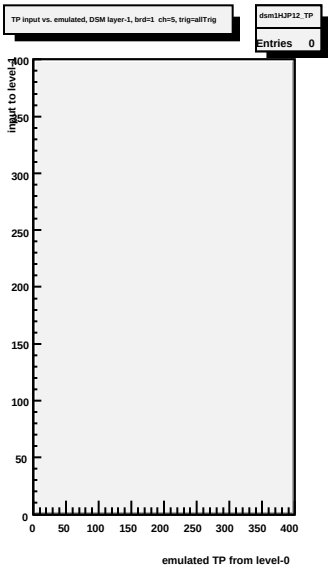

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

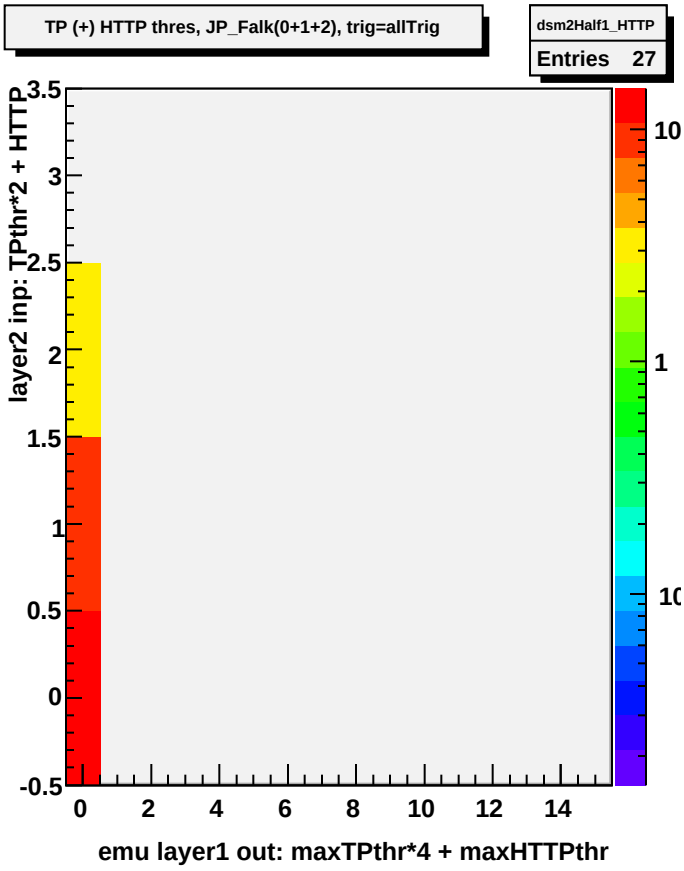

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

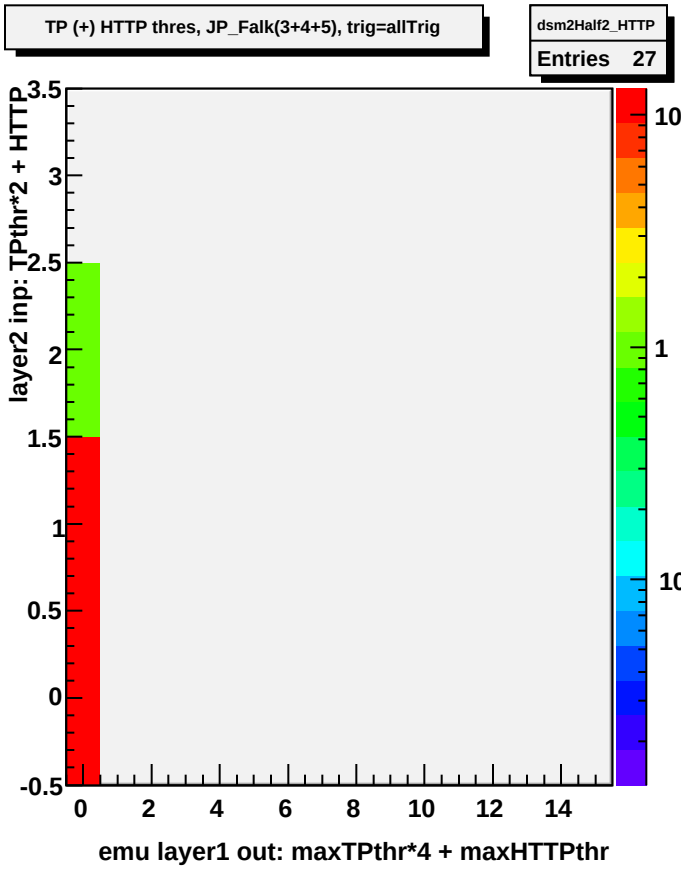

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

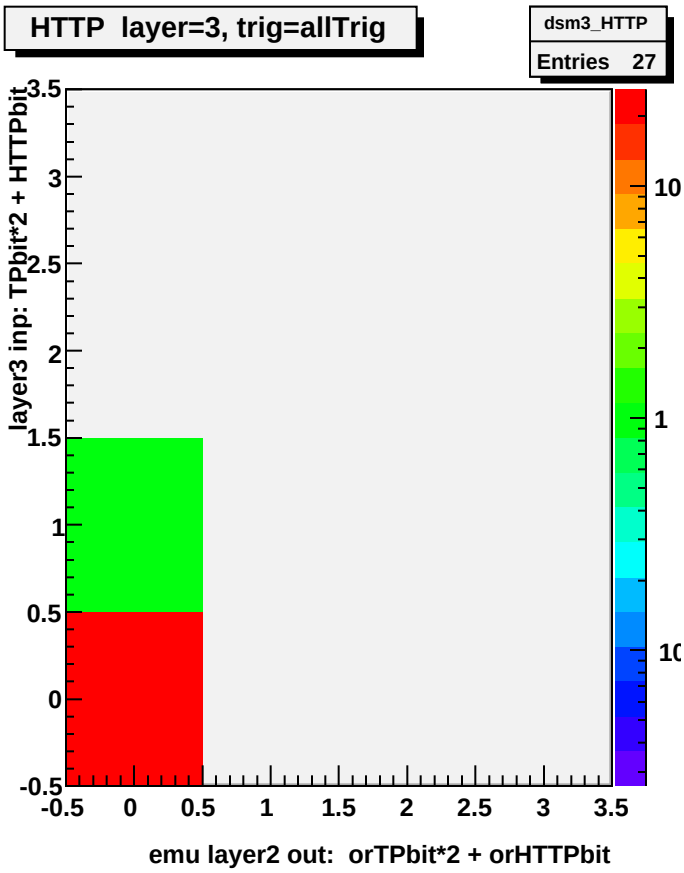

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

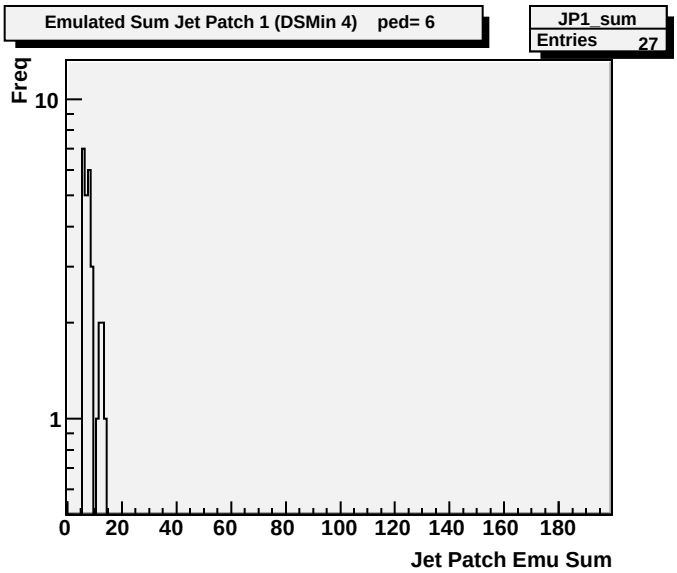

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

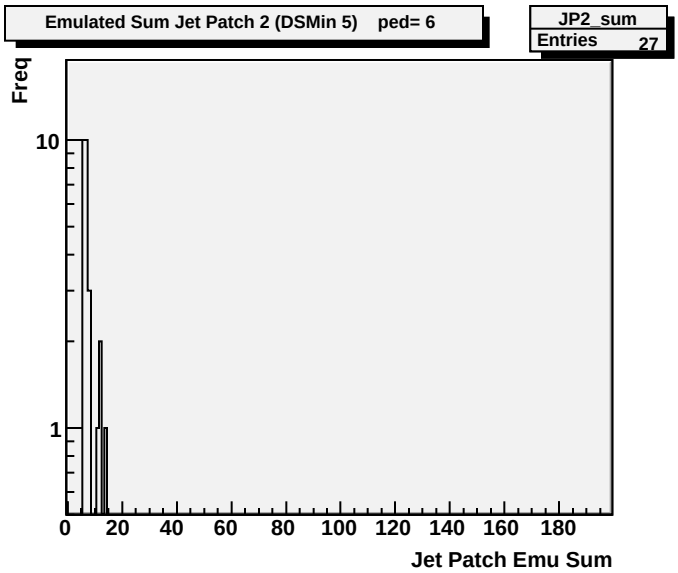

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

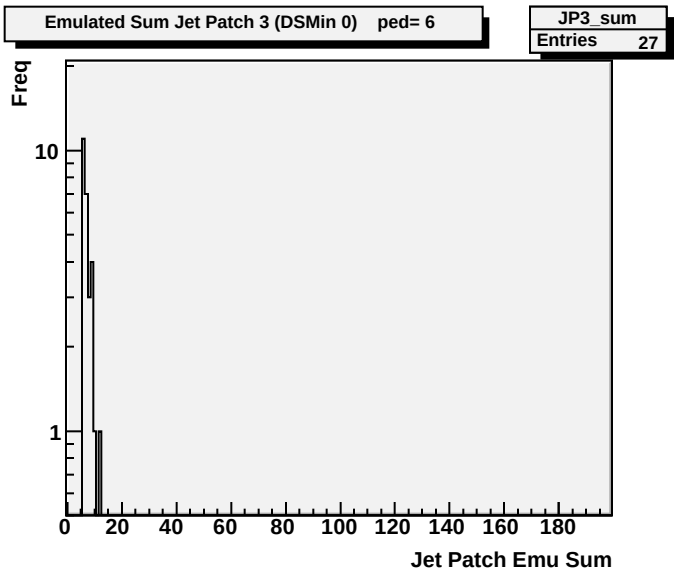

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 27
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

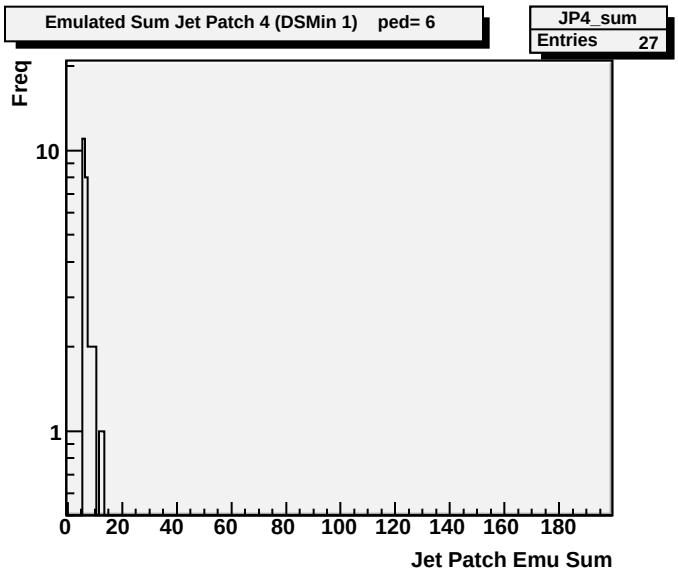

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 27
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

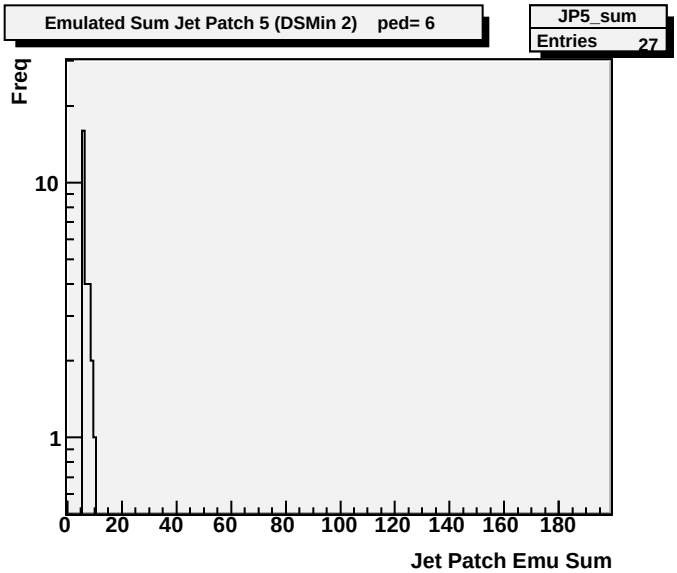

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 27
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

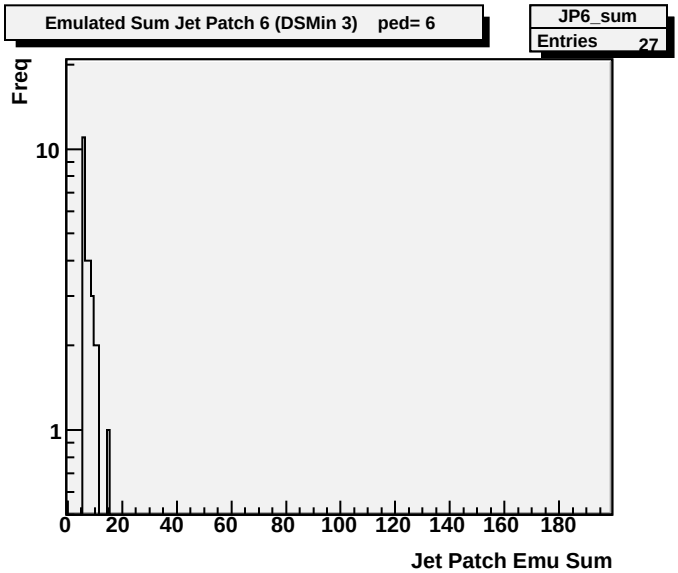

Emulated Sum Jet Patch 1 (DSMin 4) ped= 6
JP1_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

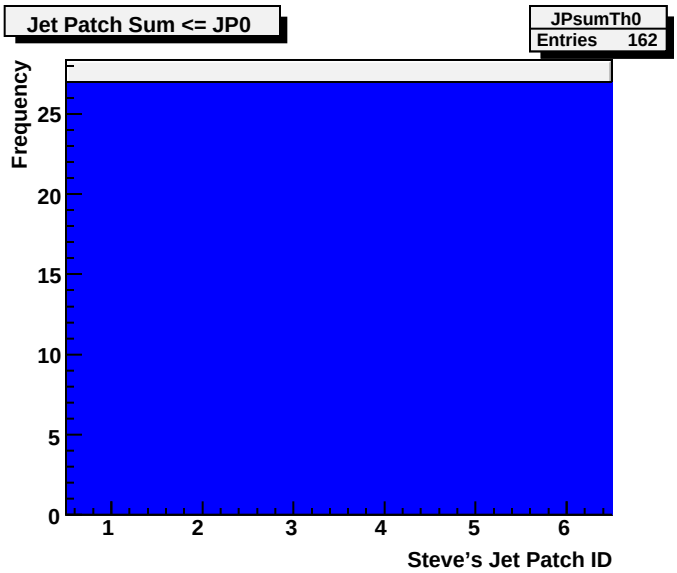

Emulated Sum Jet Patch 2 (DSMin 5) ped= 6
JP2_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

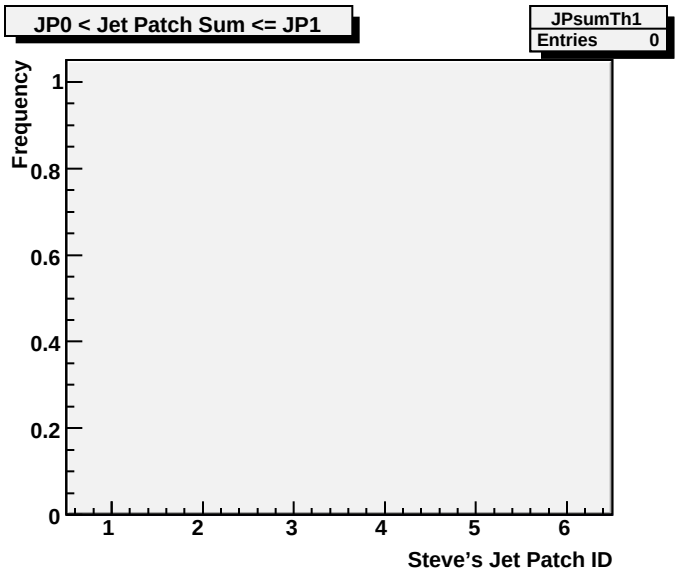

Emulated Sum Jet Patch 3 (DSMin 0) ped= 6
JP3_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

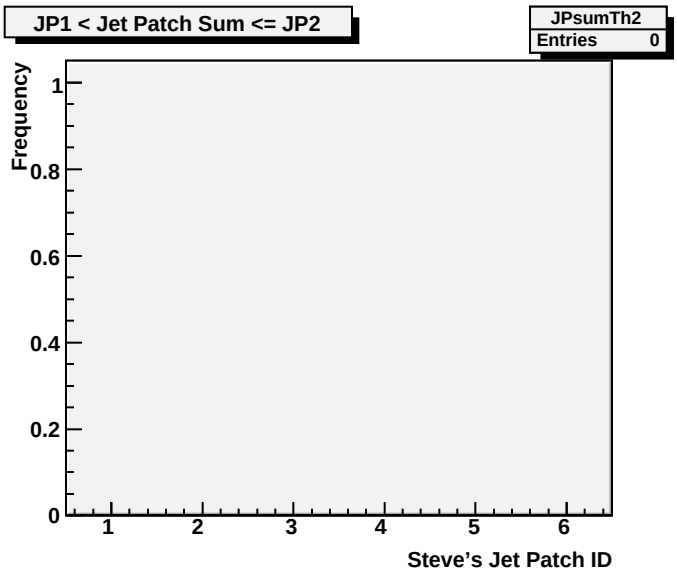

Emulated Sum Jet Patch 4 (DSMin 1) ped= 6
JP4_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

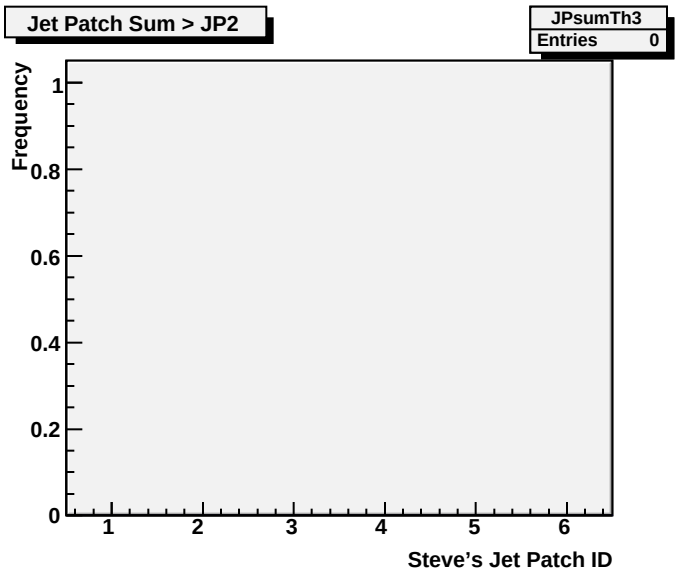

Emulated Sum Jet Patch 5 (DSMin 2) ped= 6
JP5_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

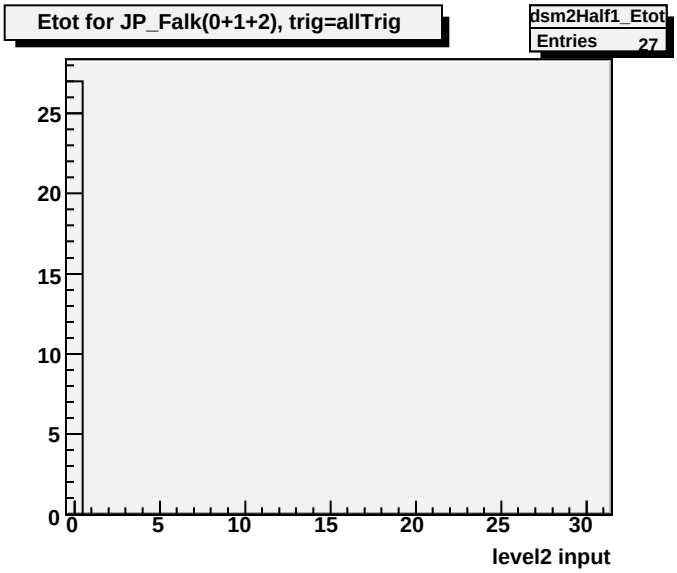

Emulated Sum Jet Patch 6 (DSMin 3) ped= 6
JP6_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

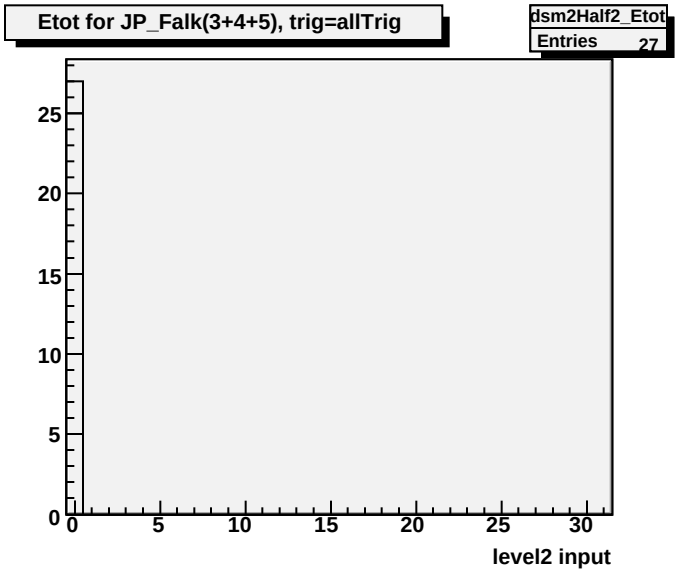

Jet Patch Sum <= JP0
JPsumTh0
Entries 162
Frequency
Steve's Jet Patch ID

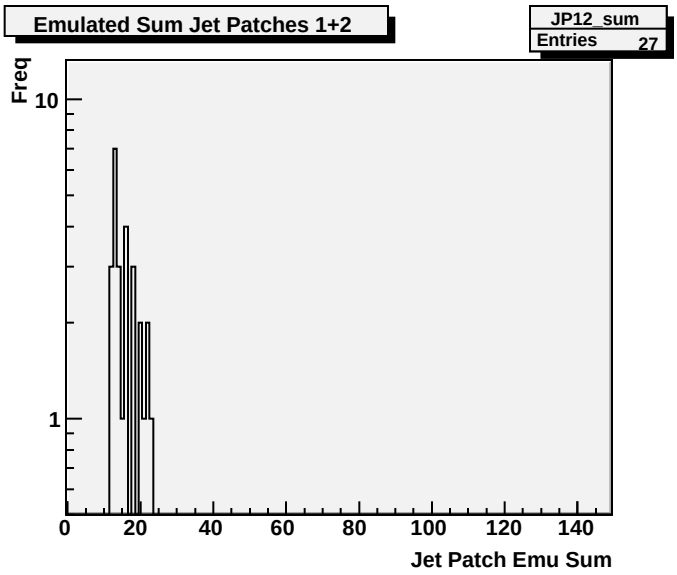

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 0
Frequency
Steve's Jet Patch ID

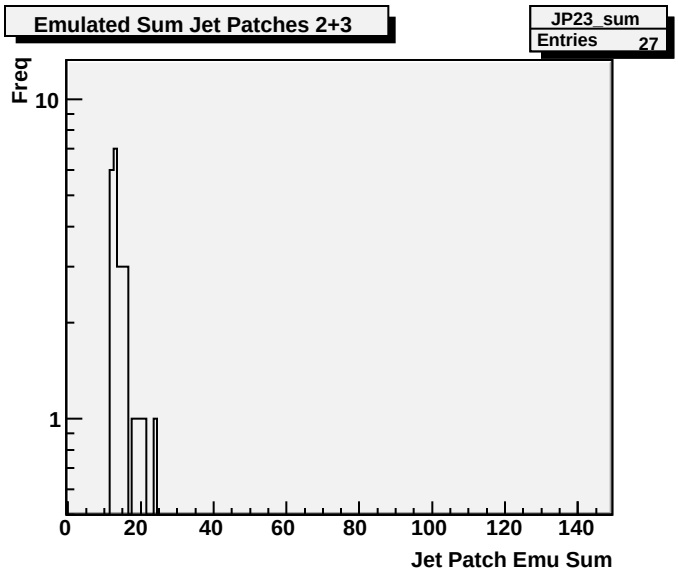

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

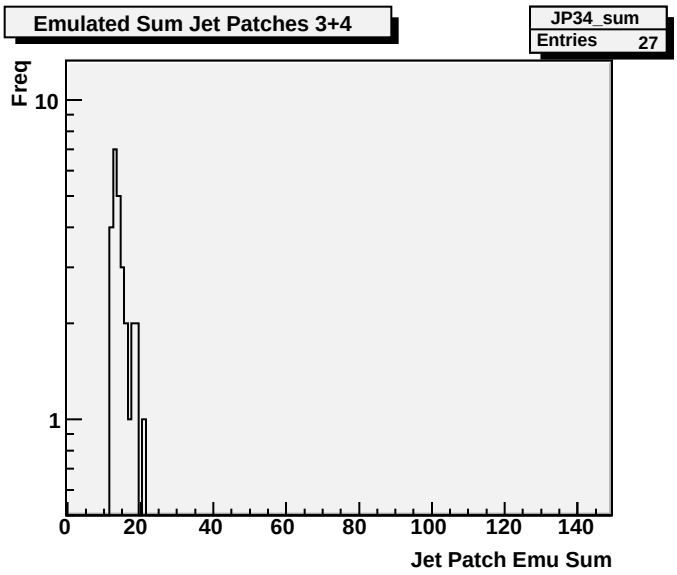

Jet Patch Sum > JP2
JPsumTh3
Entries 0
Frequency
Steve's Jet Patch ID

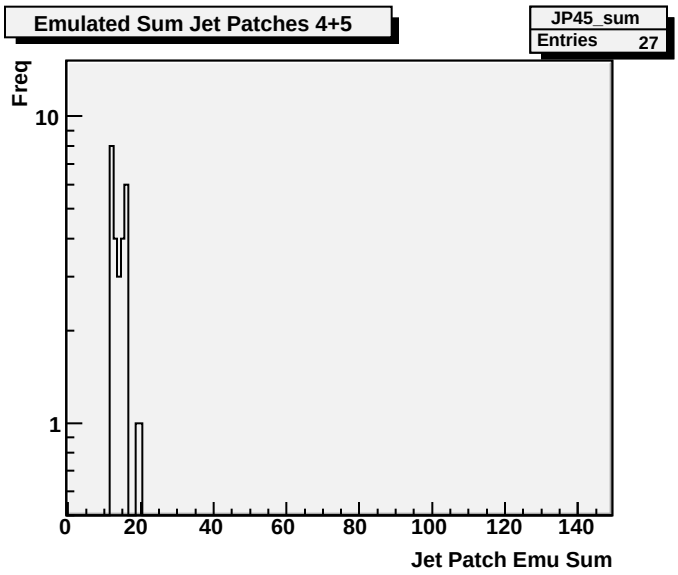

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 27
level2 input

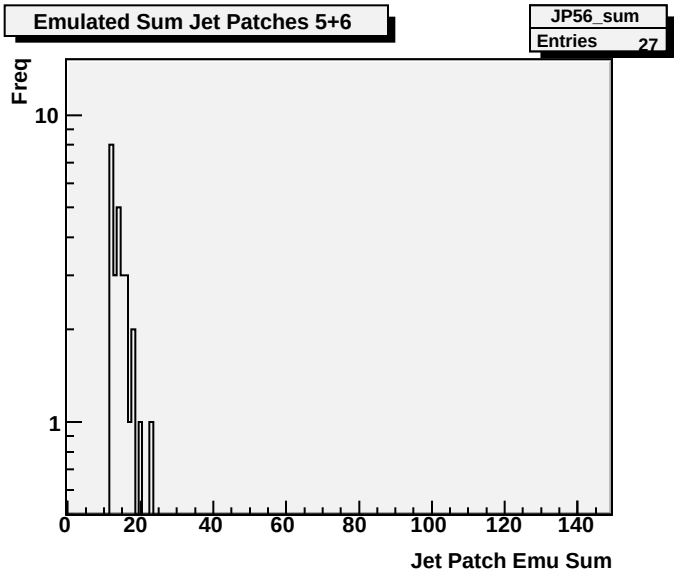

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 27
level2 input

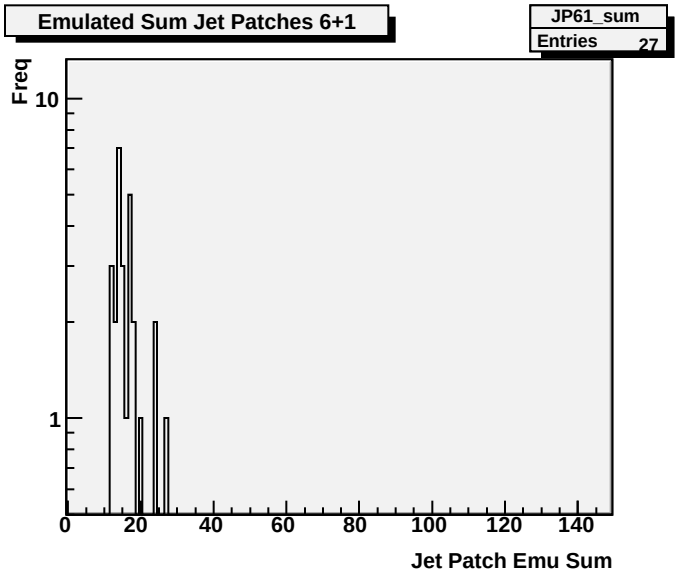

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

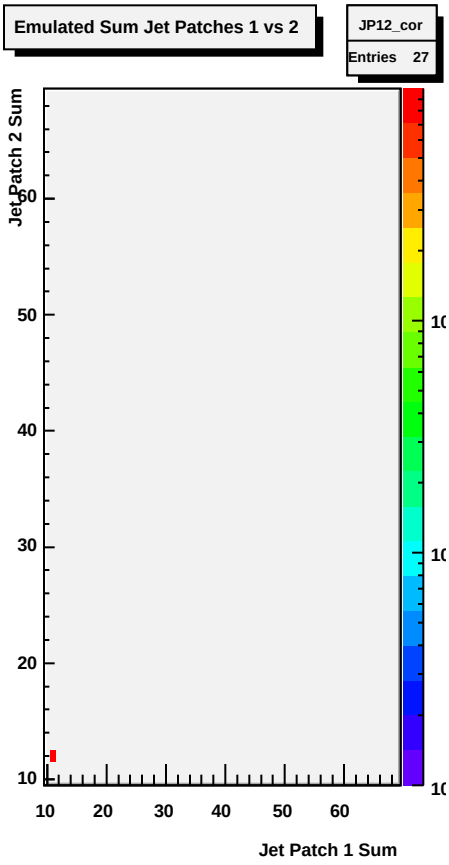

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

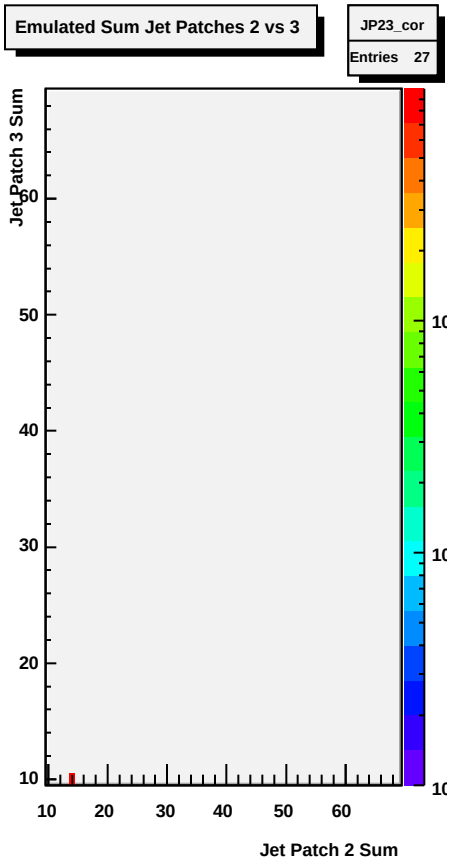

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

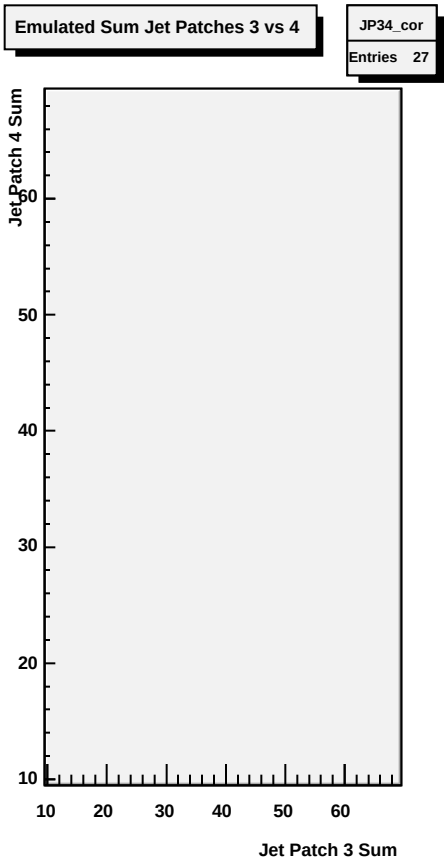

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

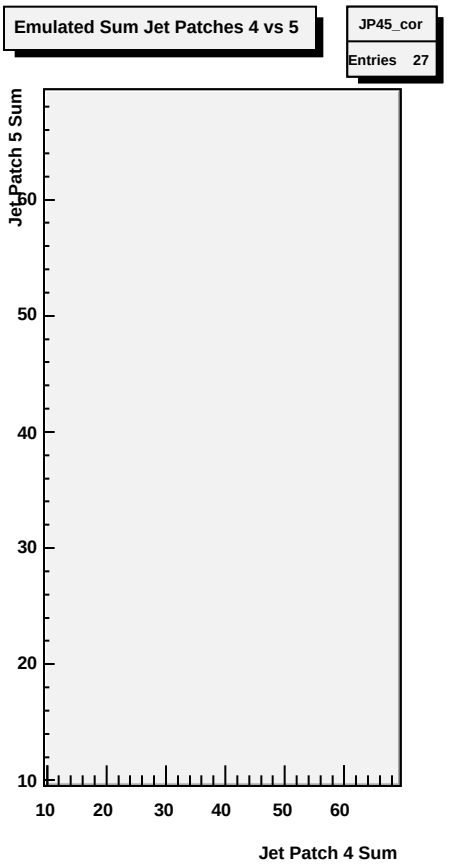

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

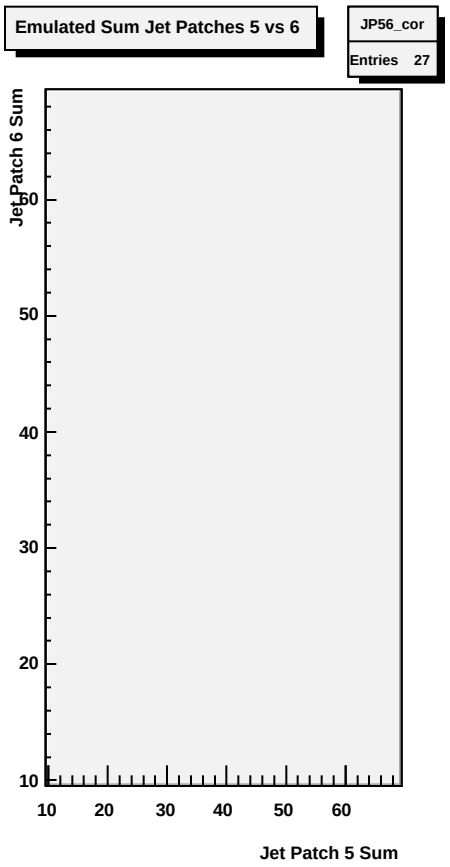

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 27
Freq
10
1
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

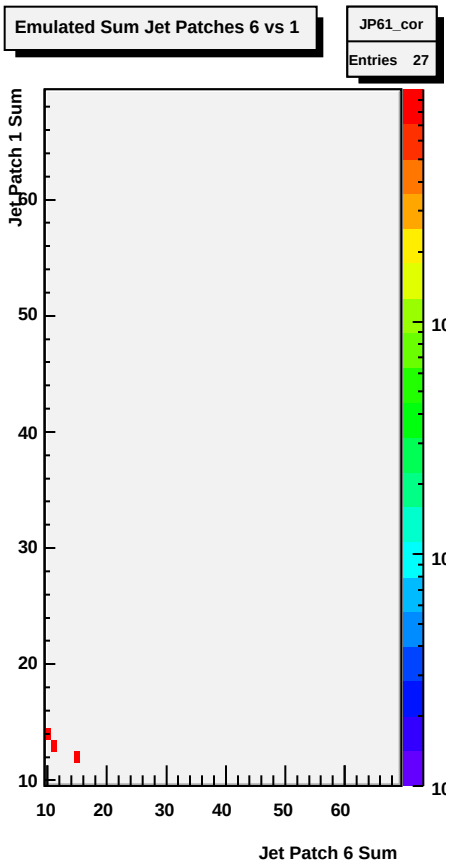

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 27
Jet Patch 2 Sum
Jet Patch 1 Sum

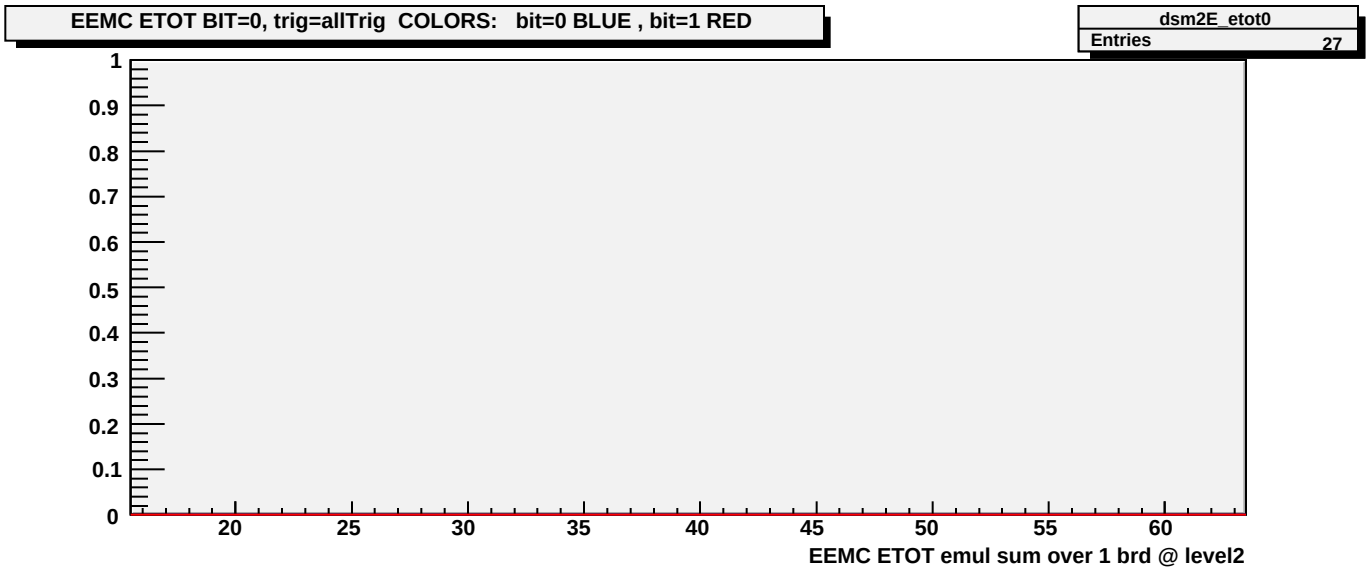

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 27
Jet Patch 3 Sum
Jet Patch 2 Sum

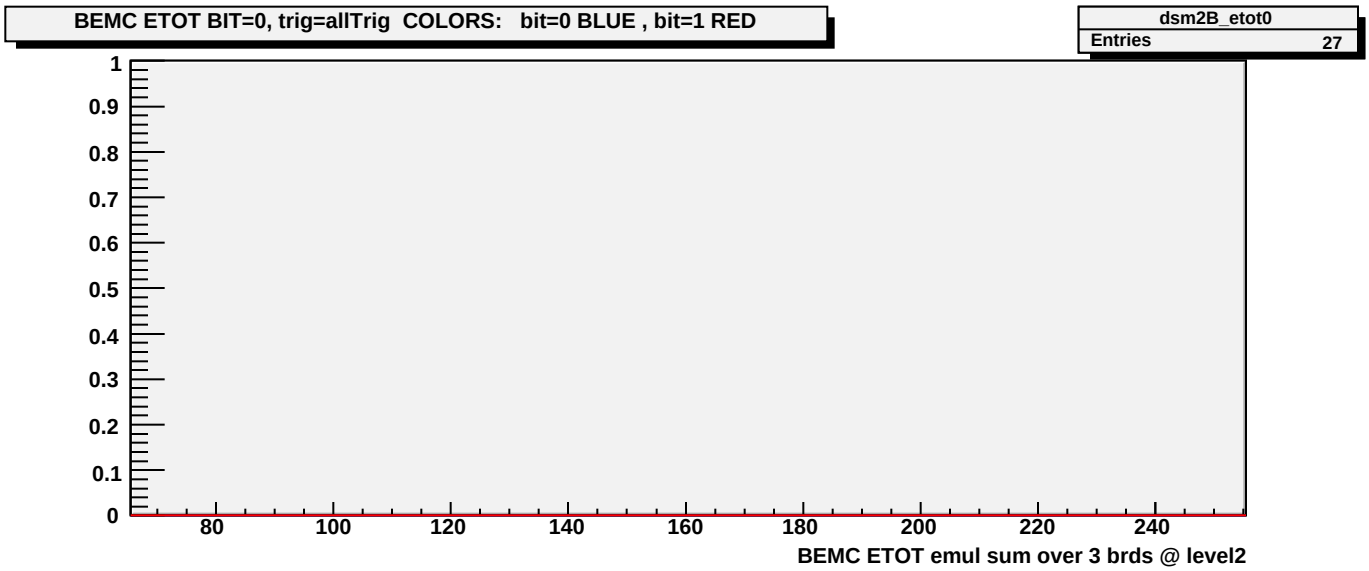

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 27
Jet Patch 4 Sum
Jet Patch 3 Sum

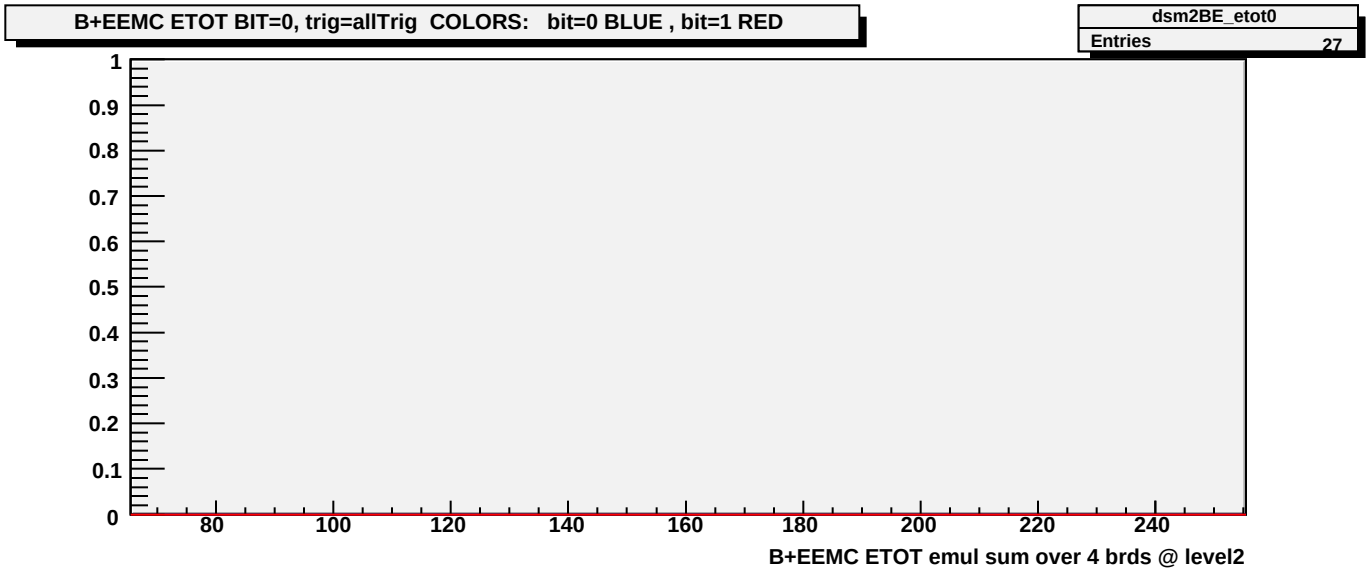

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 27
Jet Patch 5 Sum
Jet Patch 4 Sum

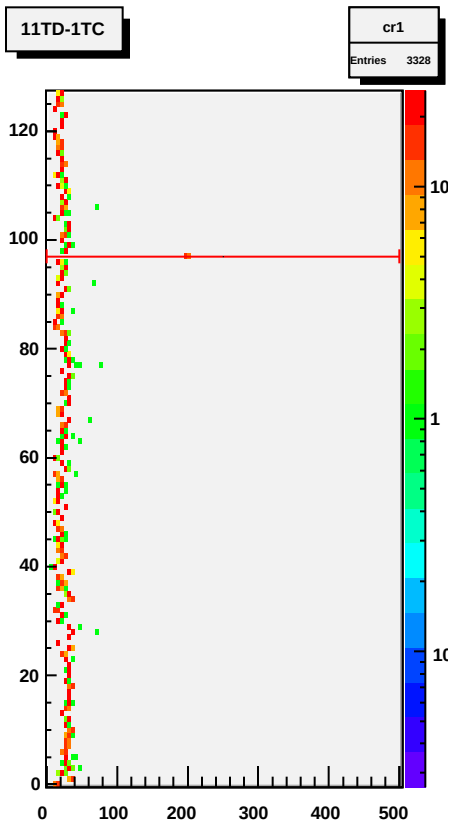

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 27
Jet Patch 6 Sum
Jet Patch 5 Sum

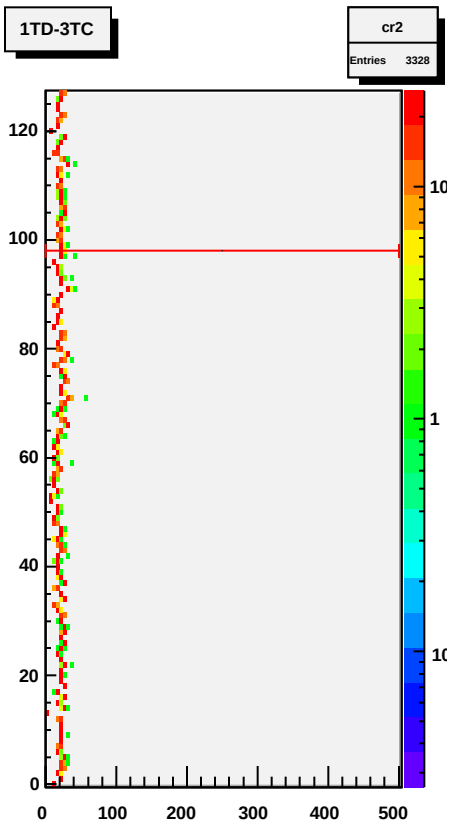

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 27
Jet Patch 1 Sum
Jet Patch 6 Sum

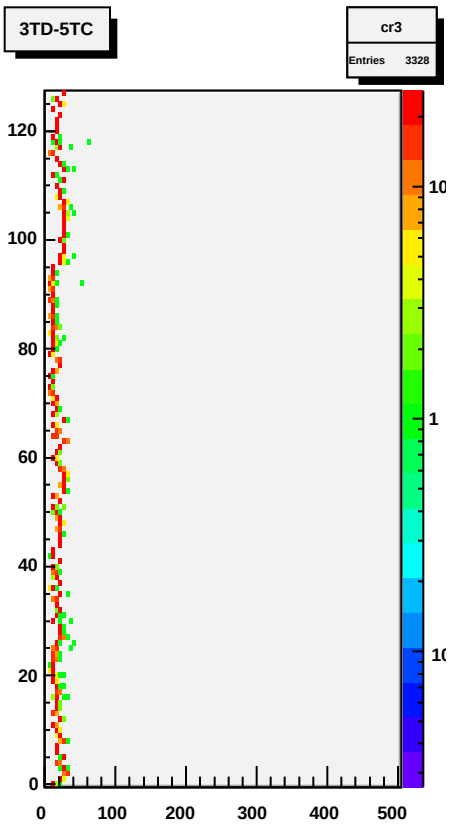

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 27
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
20
25
30
35
40
45
50
55
60
EEMC ETOT emul sum over 1 brd @ level2

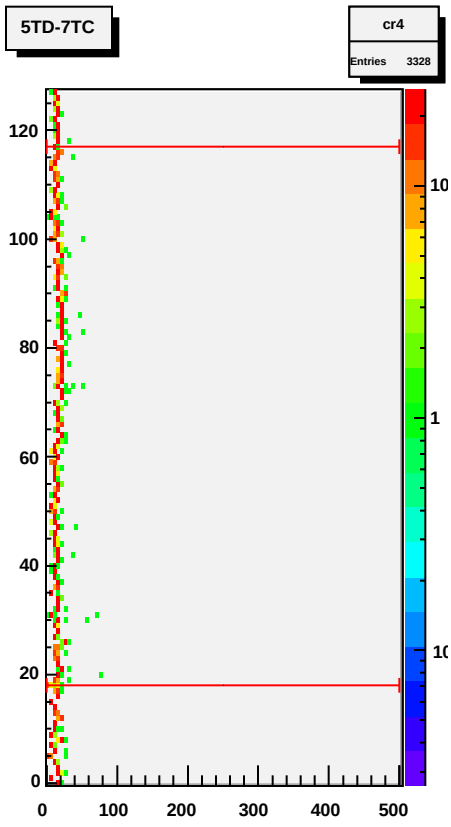

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 27
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
BEMC ETOT emul sum over 3 brds @ level2

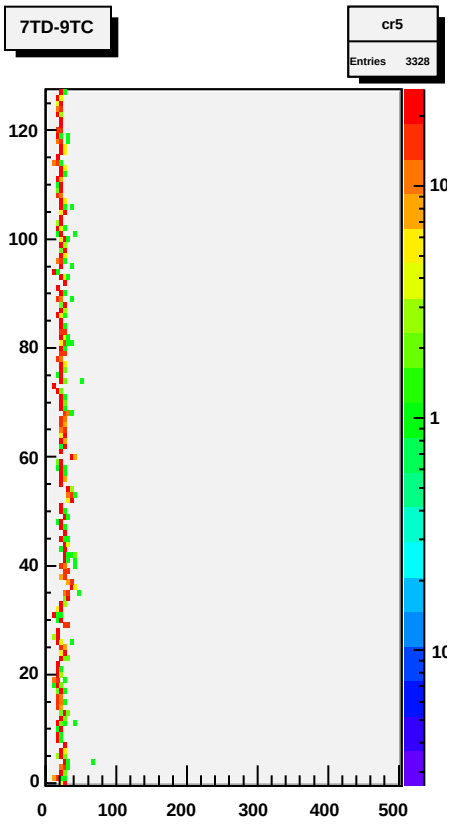

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 27
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
B+EEMC ETOT emul sum over 4 brds @ level2

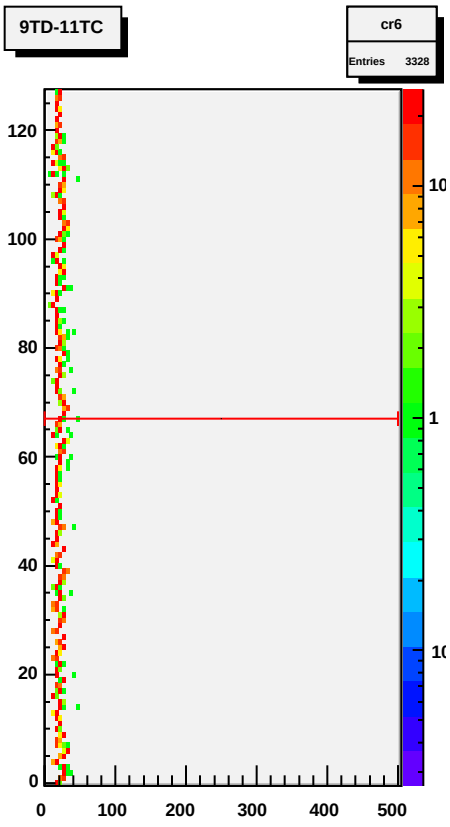

11TD-1TC
cr1
Entries 3328

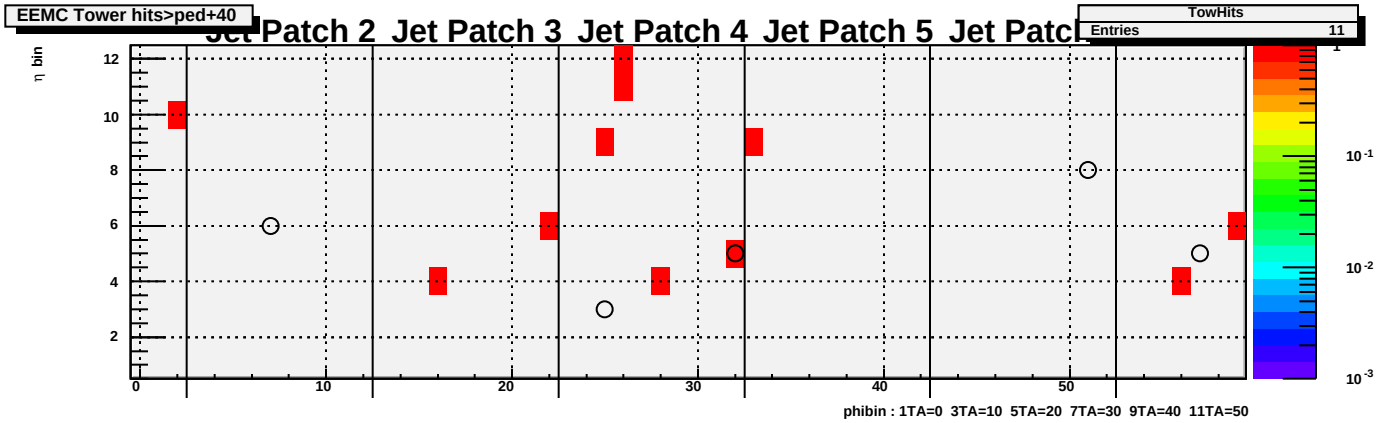

1TD-3TC
cr2
Entries 3328

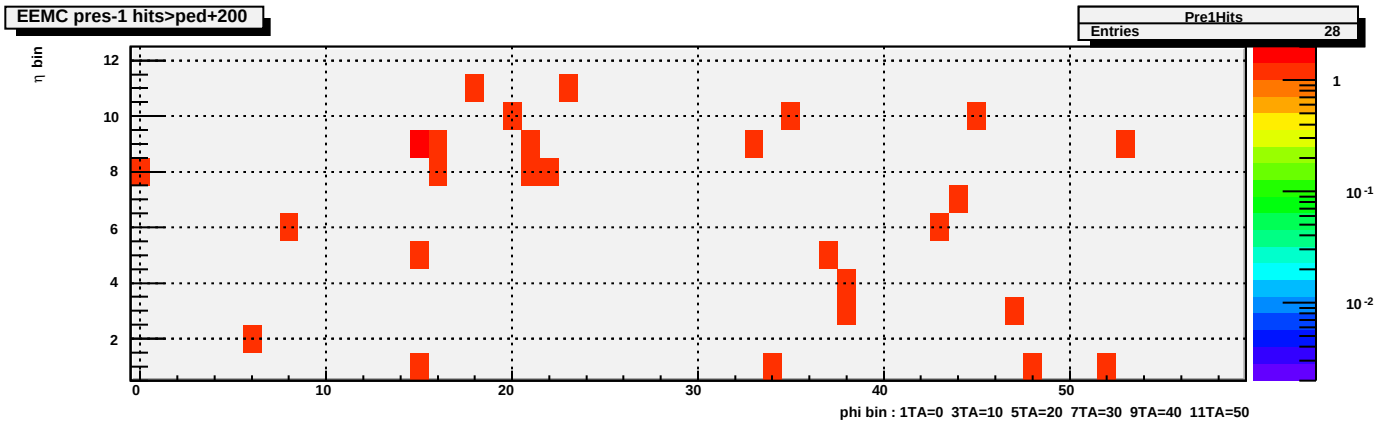

3TD-5TC
cr3
Entries 3328

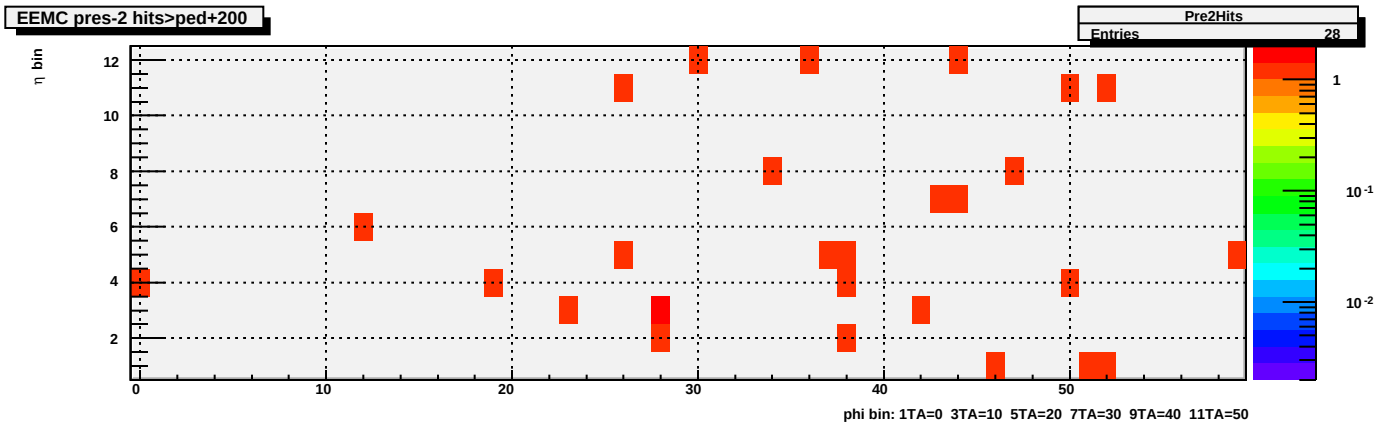

5TD-7TC
cr4
Entries 3328

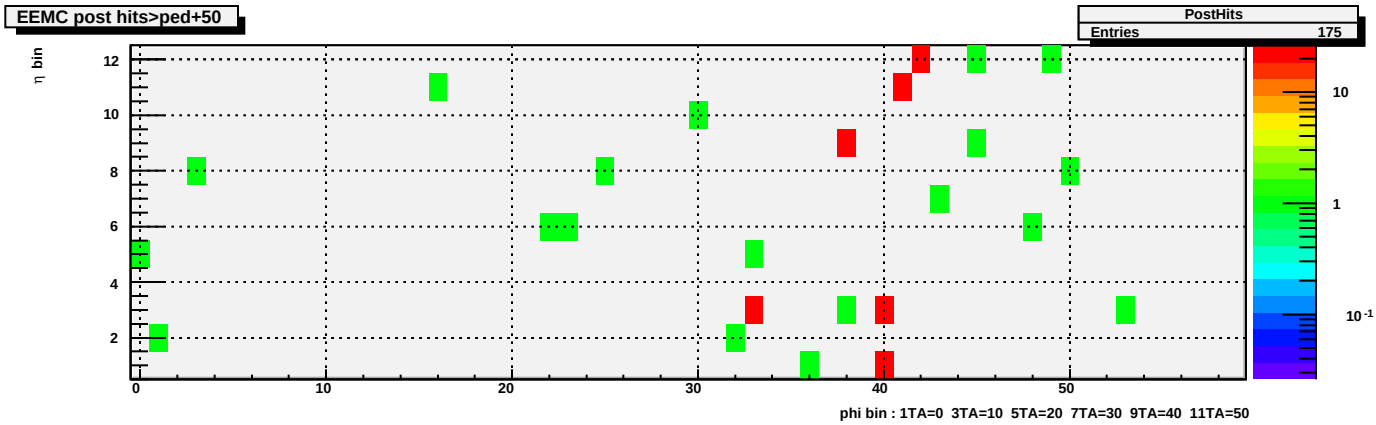

7TD-9TC
cr5
Entries 3328

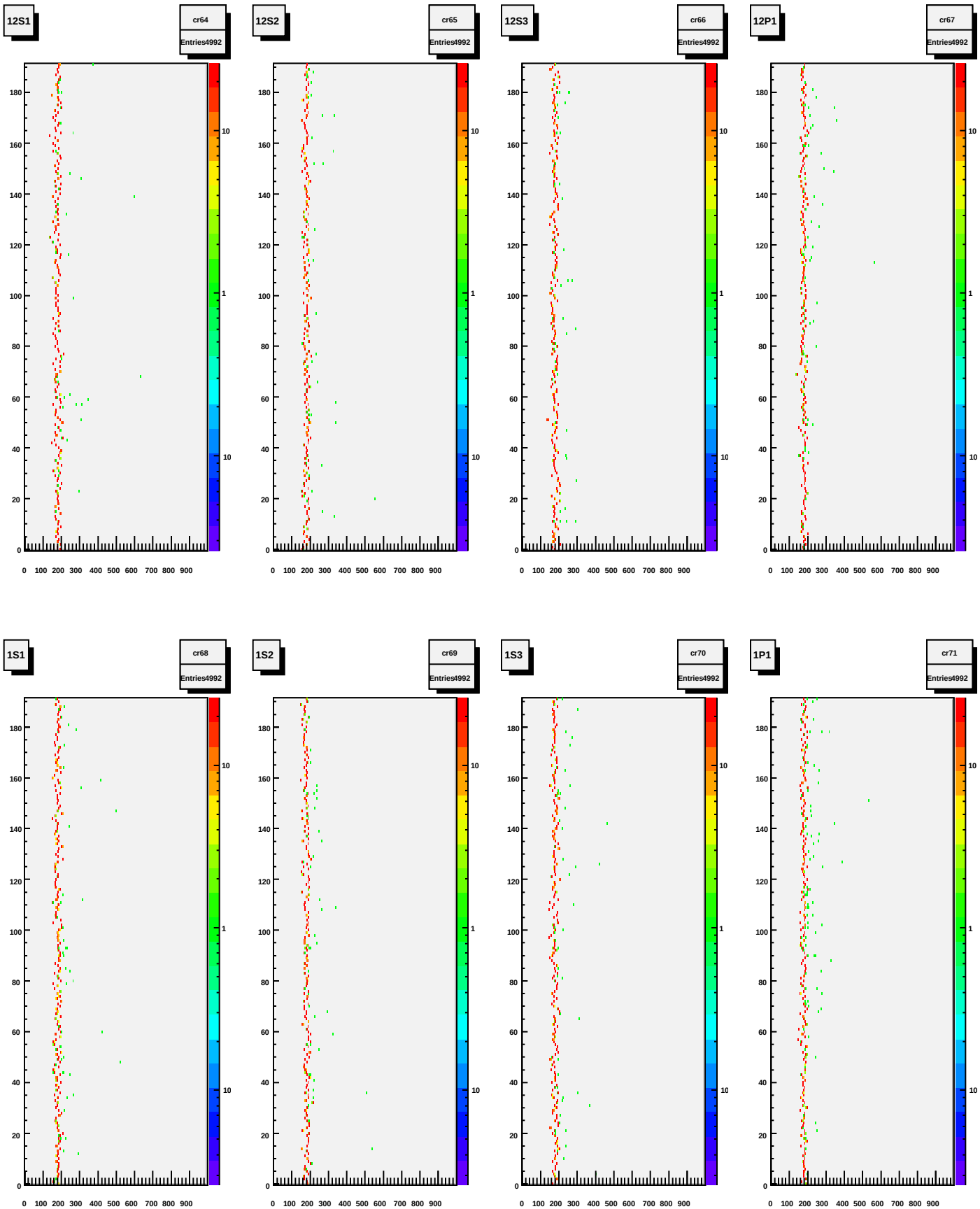

9TD-11TC
cr6
Entries 3328

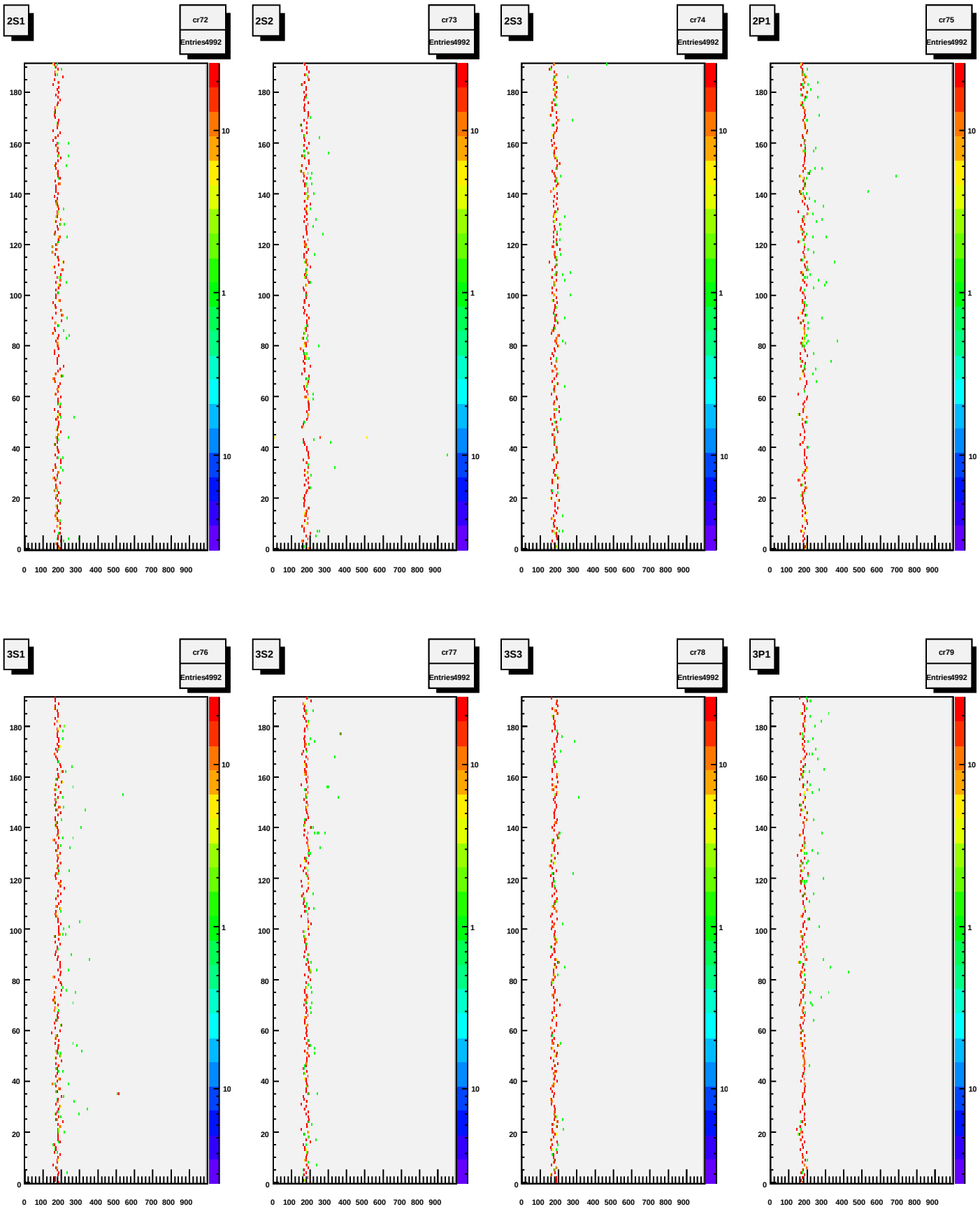

EEMC Tower hits>ped+40
Jet Patch 2 Jet Patch 3 Jet Patch 4 Jet Patch 5 Jet Patch
TowHits
Entries 11
η bin
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

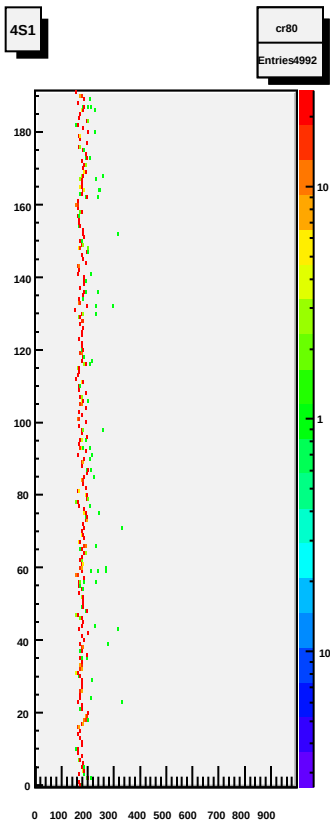

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 28
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

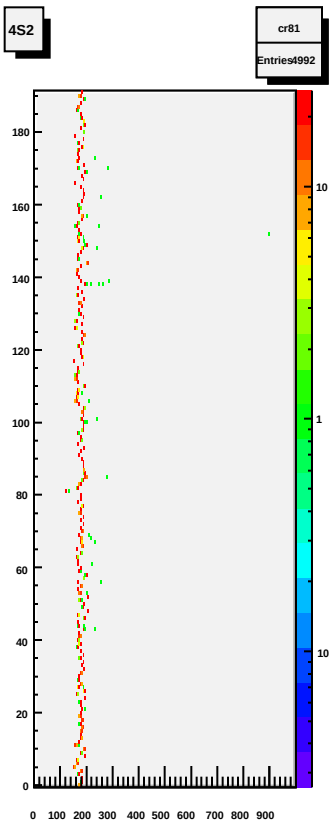

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 28
η bin
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

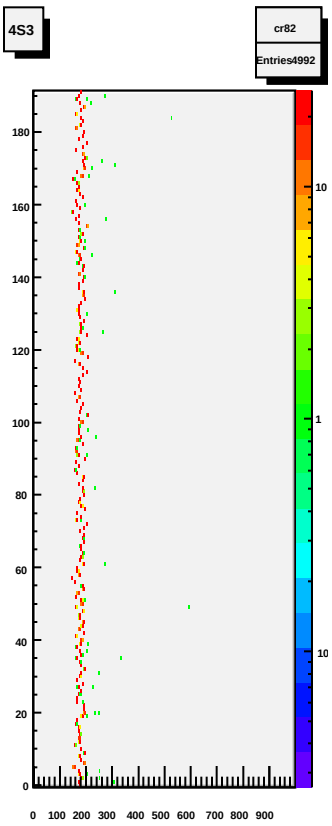

EEMC post hits>ped+50
PostHits
Entries 175
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

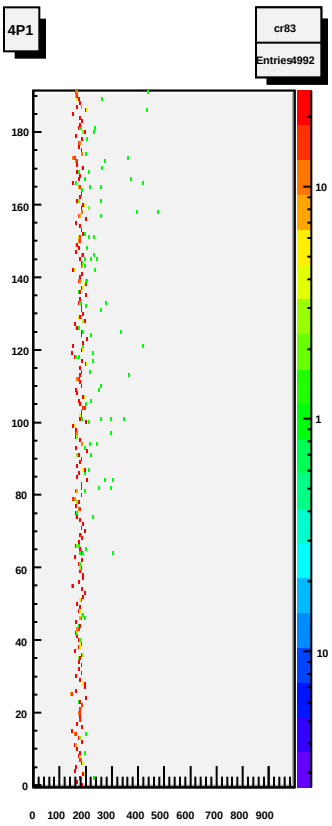

12S1
cr64
Entries4992
12S2
cr65
Entries4992
12S3
cr66
Entries4992
12P1
cr67
Entries4992
1S1
cr68
Entries4992
1S2
cr69
Entries4992
1S3
cr70
Entries4992
1P1
cr71
Entries4992
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

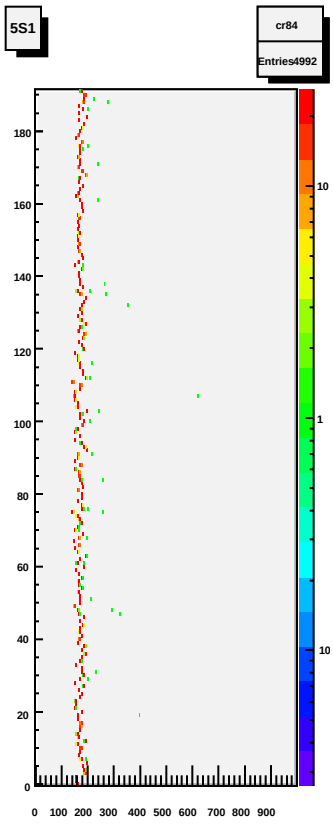

2S1
cr72
Entries4992
2S2
cr73
Entries4992
2S3
cr74
Entries4992
2P1
cr75
Entries4992
3S1
cr76
Entries4992
3S2
cr77
Entries4992
3S3
cr78
Entries4992
3P1
cr79
Entries4992
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
10
1
10

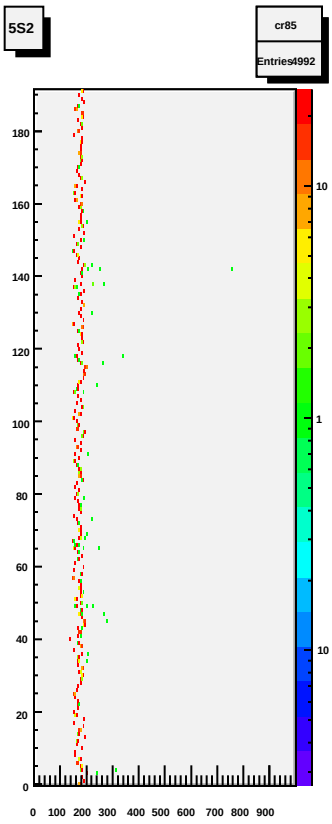

4S1
cr80
Entries4992

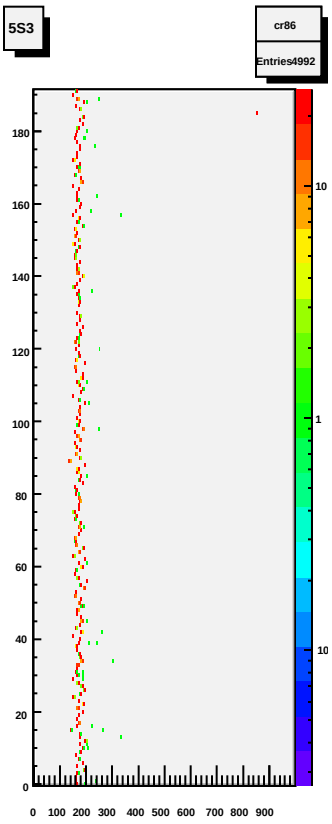

4S2
cr81
Entries4992

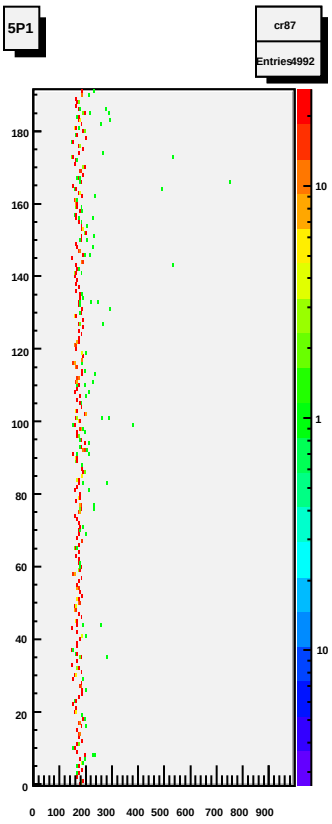

4S3
cr82
Entries4992

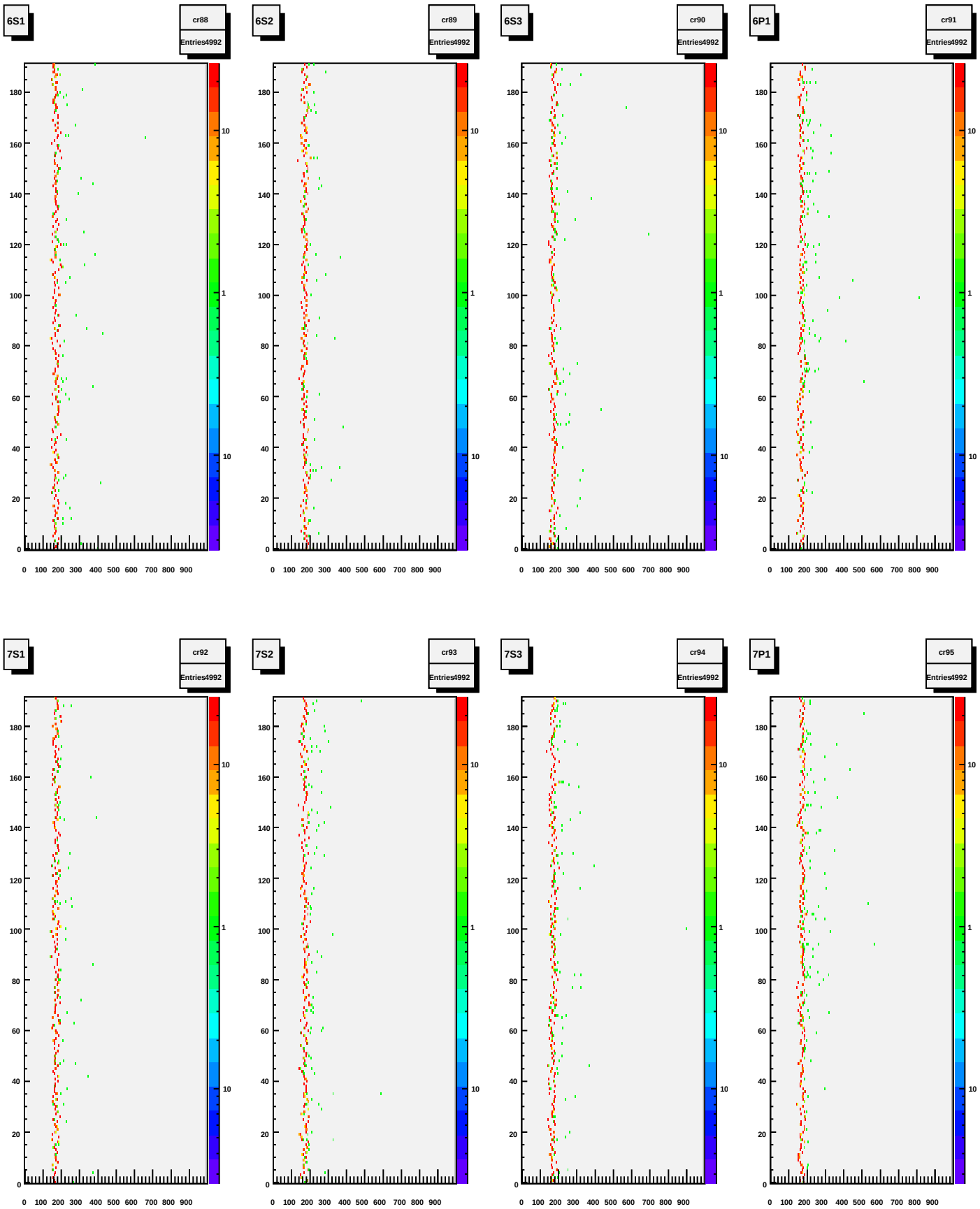

4P1
cr83
Entries4992

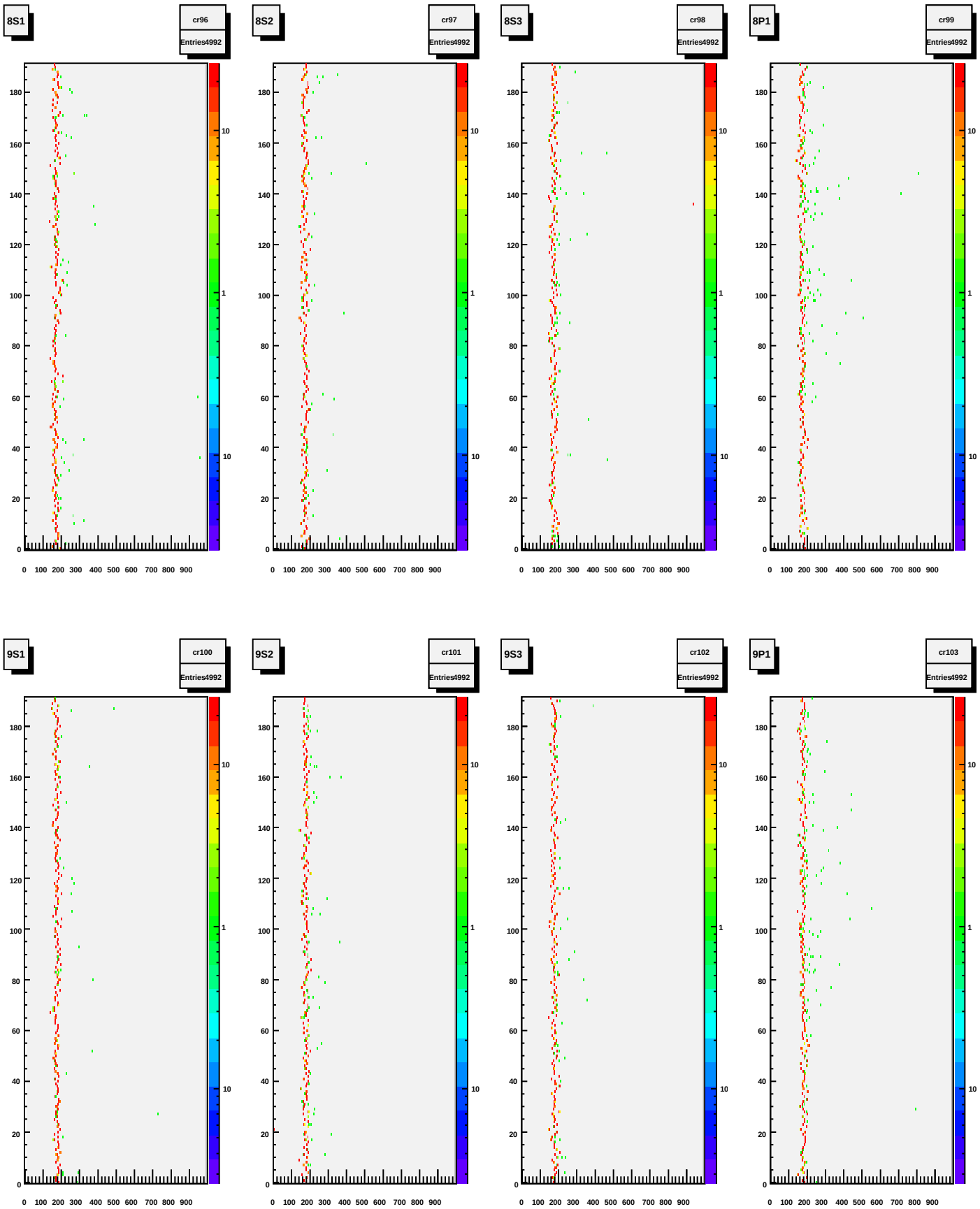

5S1
cr84
Entries4992

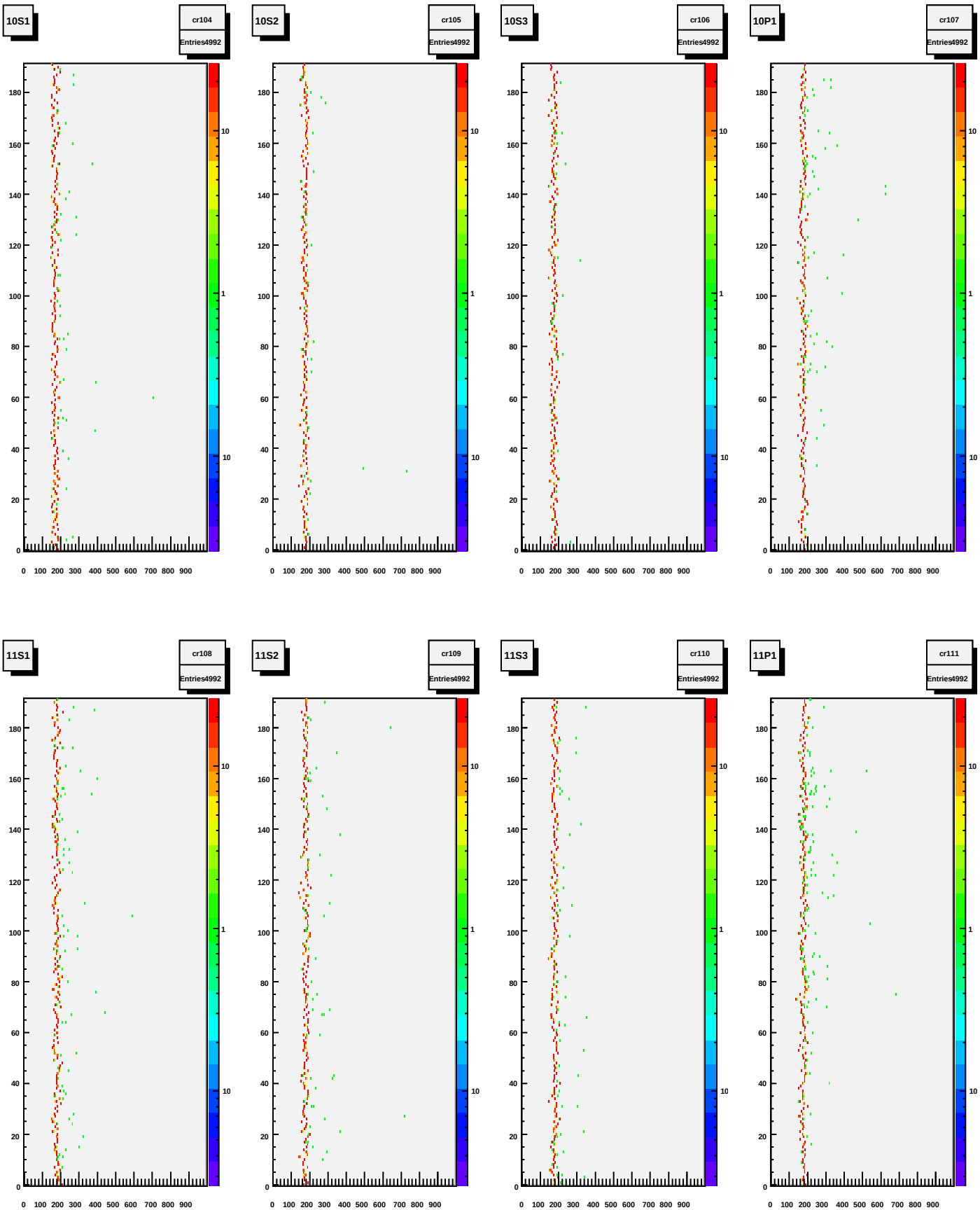

5S2
cr85
Entries4992

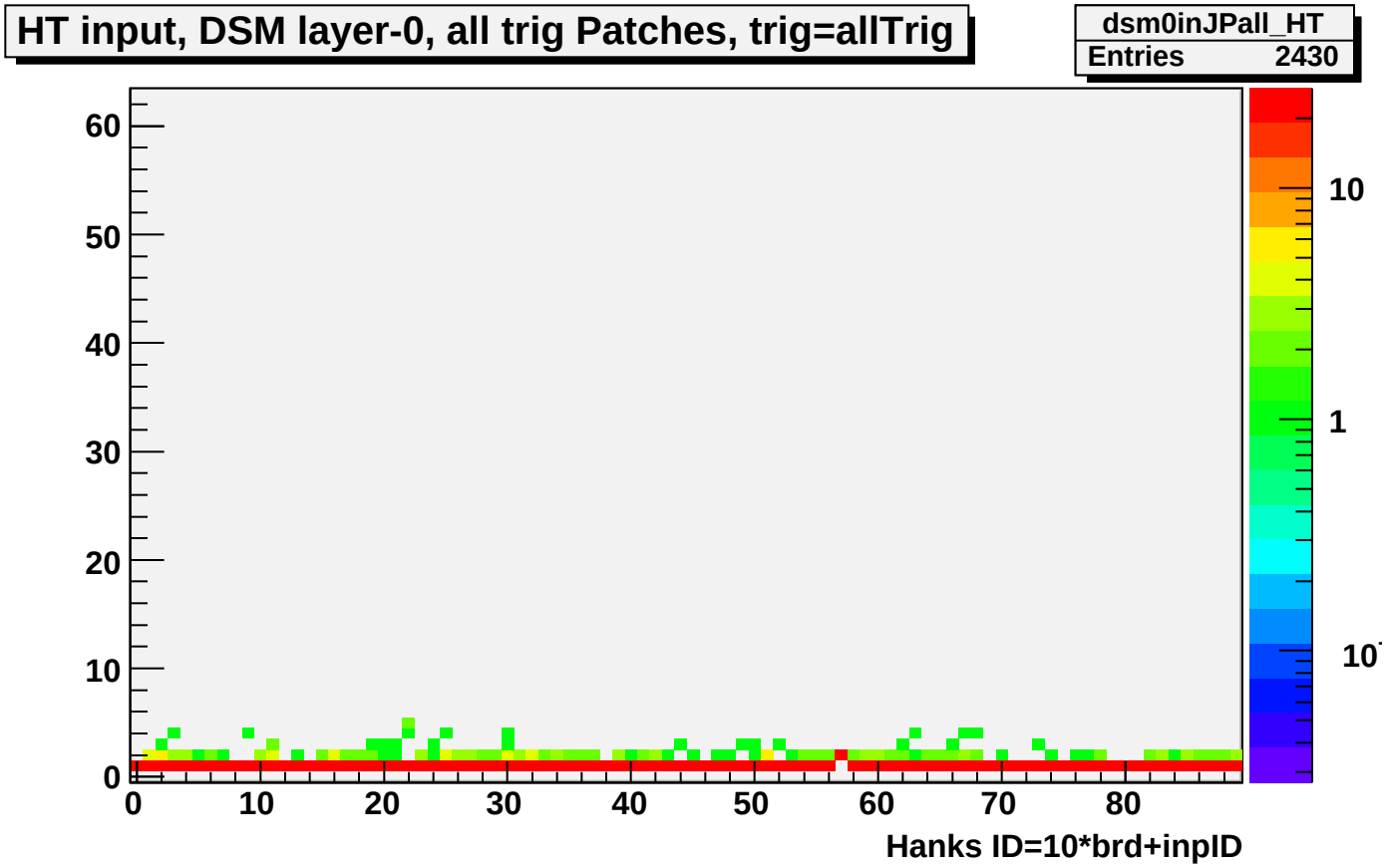

5S3
cr86
Entries4992

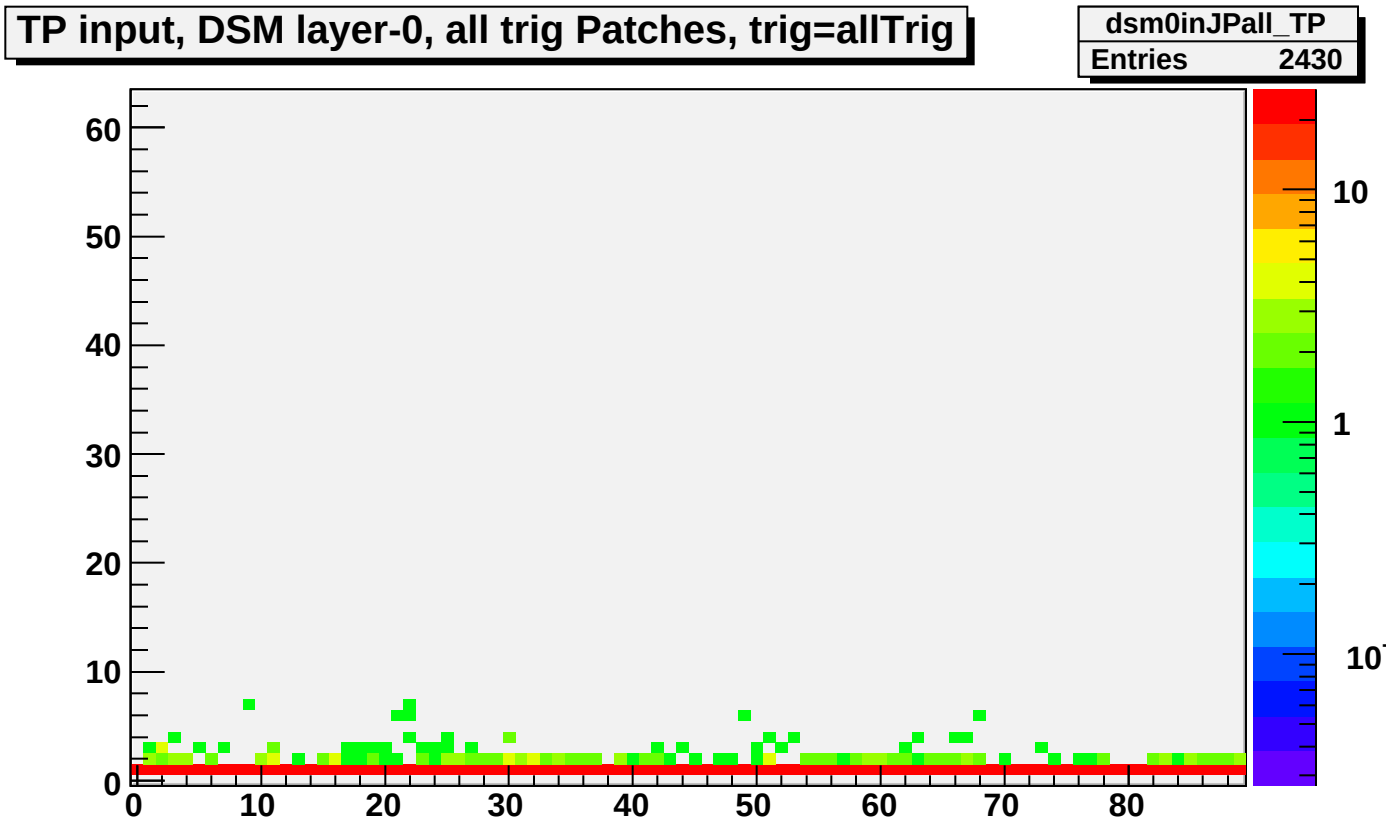

5P1
cr87
Entries4992

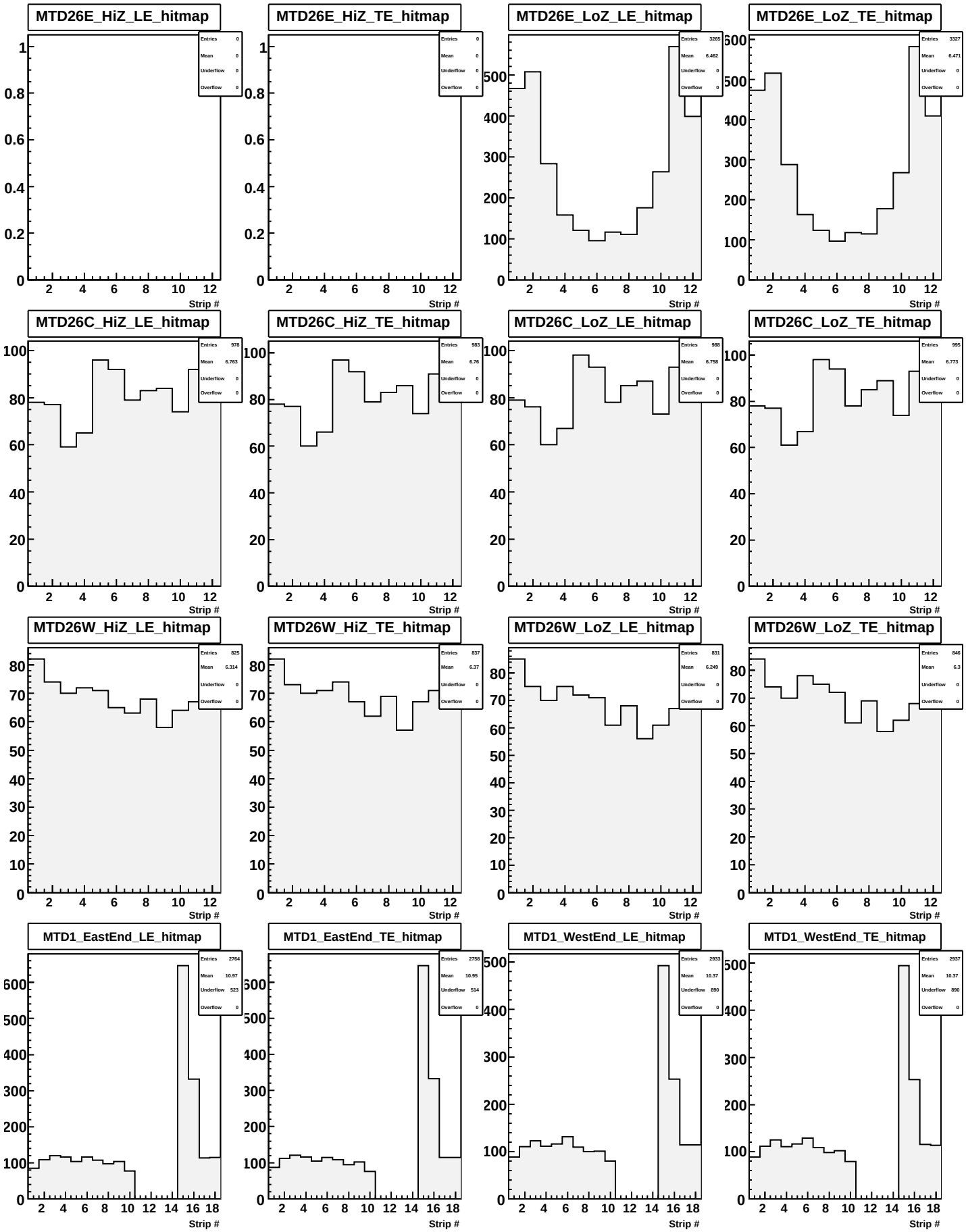

6S1
cr88
Entries4992
6S2
cr89
Entries4992
6S3
cr90
Entries4992
6P1
cr91
Entries4992
7S1
cr92
Entries4992
7S2
cr93
Entries4992
7S3
cr94
Entries4992
7P1
cr95
Entries4992
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

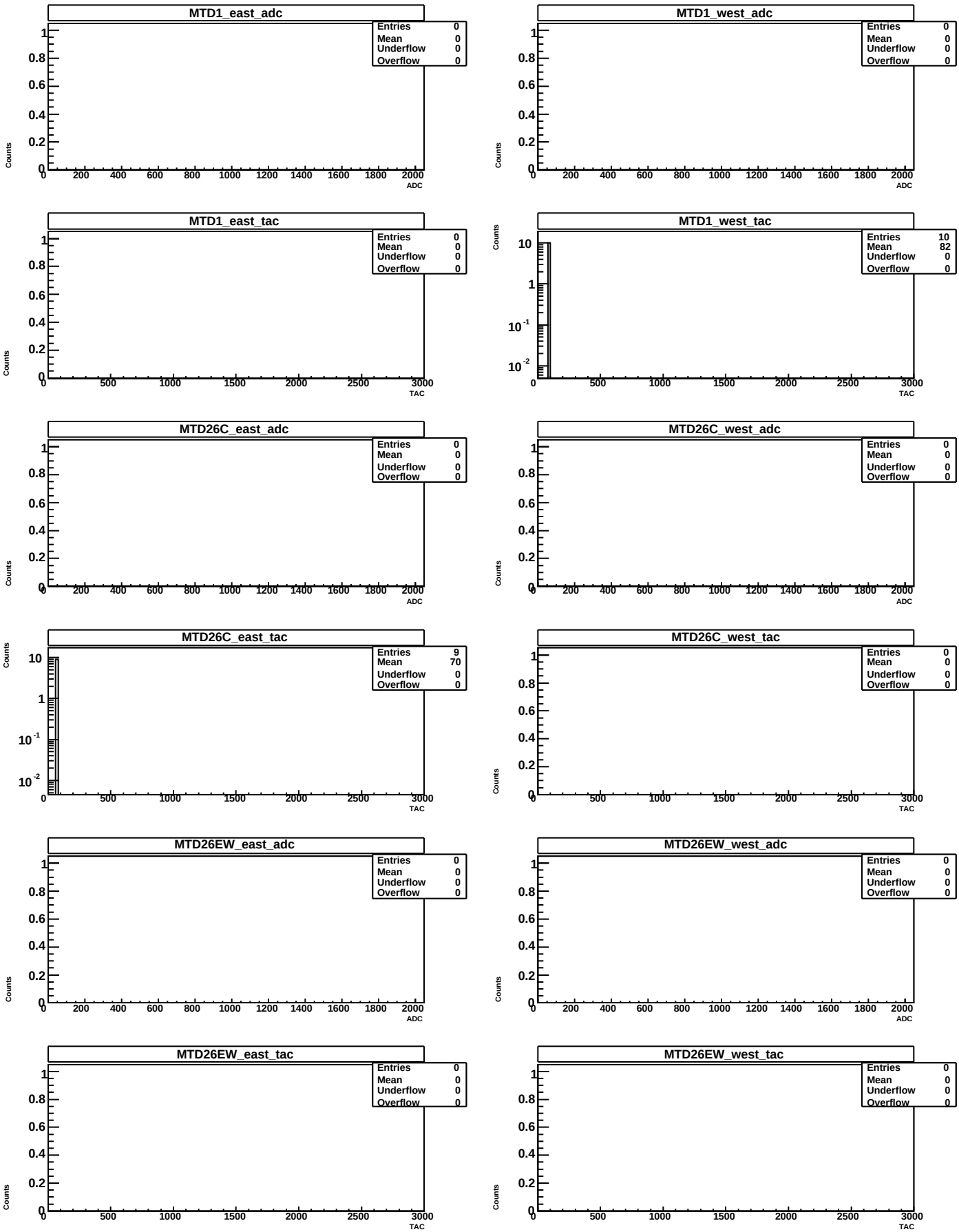

8S1
cr96
Entries4992
8S2
cr97
Entries4992
8S3
cr98
Entries4992
8P1
cr99
Entries4992
9S1
cr100
Entries4992
9S2
cr101
Entries4992
9S3
cr102
Entries4992
9P1
cr103
Entries4992
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

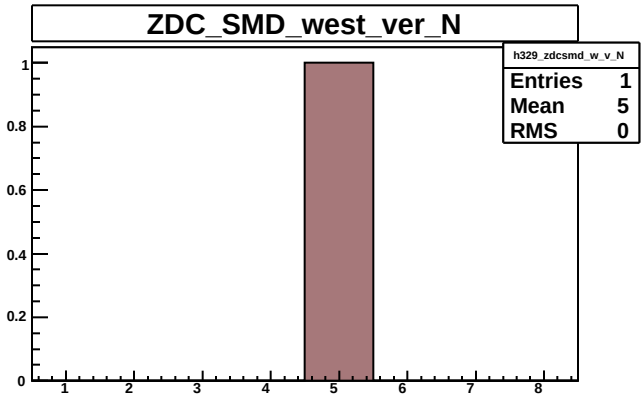

10S1
cr104
Entries4992
10S2
cr105
Entries4992
10S3
cr106
Entries4992
10P1
cr107
Entries4992
11S1
cr108
Entries4992
11S2
cr109
Entries4992
11S3
cr110
Entries4992
11P1
cr111
Entries4992
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

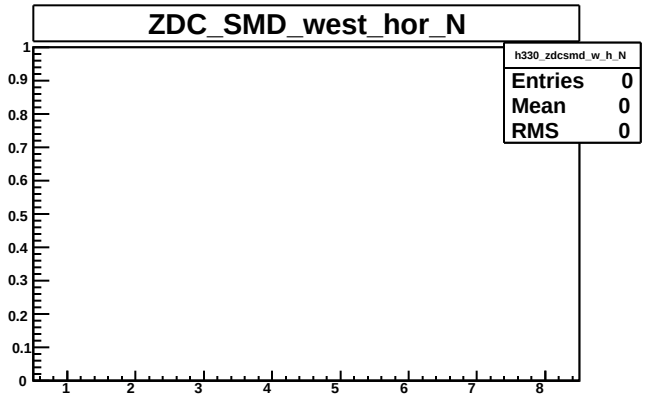

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 2430
Hanks ID=10*brd+inpID

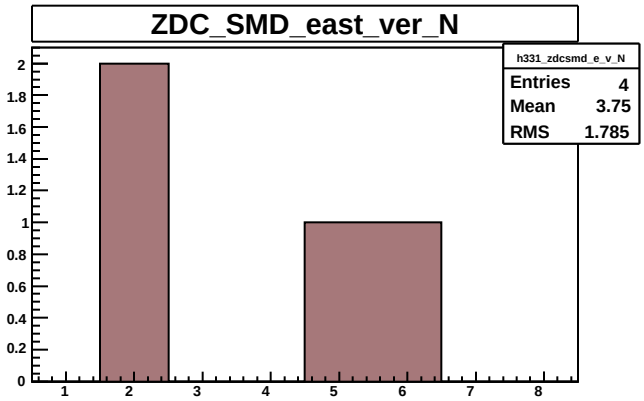

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 2430

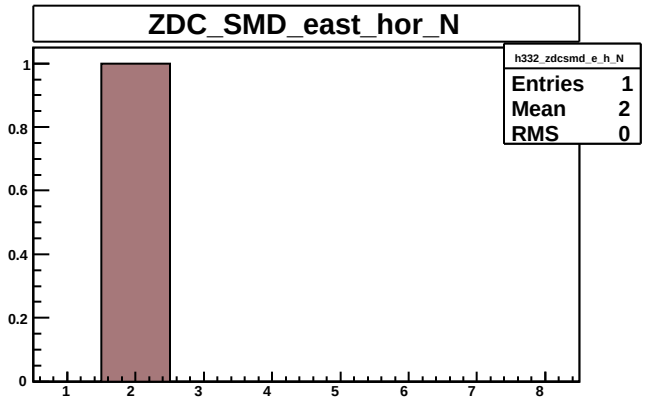

MTD26E_HiZ_LE_hitmap
Entries 0
Mean 0
Underflow 0
Overflow 0
Strip #
MTD26E_HiZ_TE_hitmap
Entries 0
Mean 0
Underflow 0
Overflow 0
Strip #
MTD26E_LoZ_LE_hitmap
Entries 3265
Mean 6.462
Underflow 0
Overflow 0
Strip #
MTD26E_LoZ_TE_hitmap
Entries 3327
Mean 6.471
Underflow 0
Overflow 0
Strip #
MTD26C_HiZ_LE_hitmap
Entries 976
Mean 6.763
Underflow 0
Overflow 0
Strip #
MTD26C_HiZ_TE_hitmap
Entries 983
Mean 6.76
Underflow 0
Overflow 0
Strip #
MTD26C_LoZ_LE_hitmap
Entries 988
Mean 6.758
Underflow 0
Overflow 0
Strip #
MTD26C_LoZ_TE_hitmap
Entries 995
Mean 6.773
Underflow 0
Overflow 0
Strip #
MTD26W_HiZ_LE_hitmap
Entries 825
Mean 6.314
Underflow 0
Overflow 0
Strip #
MTD26W_HiZ_TE_hitmap
Entries 837
Mean 6.37
Underflow 0
Overflow 0
Strip #
MTD26W_LoZ_LE_hitmap
Entries 831
Mean 6.249
Underflow 0
Overflow 0
Strip #
MTD26W_LoZ_TE_hitmap
Entries 846
Mean 6.3
Underflow 0
Overflow 0
Strip #
MTD1_EastEnd_LE_hitmap
Entries 2764
Mean 10.97
Underflow 523
Overflow 0
Strip #
MTD1_EastEnd_TE_hitmap
Entries 2758
Mean 10.95
Underflow 514
Overflow 0
Strip #
MTD1_WestEnd_LE_hitmap
Entries 2933
Mean 10.37
Underflow 890
Overflow 0
Strip #
MTD1_WestEnd_TE_hitmap
Entries 2937
Mean 10.37
Underflow 890
Overflow 0
Strip #

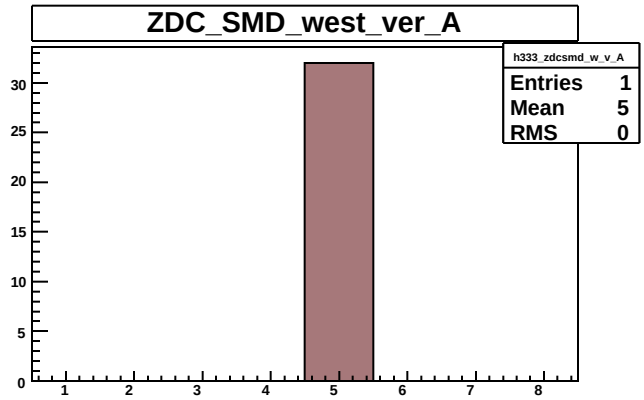

MTD1_east_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD1_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD1_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD1_west_tac
Entries 10
Mean 82
Underflow 0
Overflow 0
Counts
TAC
MTD26C_east_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26C_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26C_east_tac
Entries 9
Mean 70
Underflow 0
Overflow 0
Counts
TAC
MTD26C_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_east_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26EW_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC
MTD26EW_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC

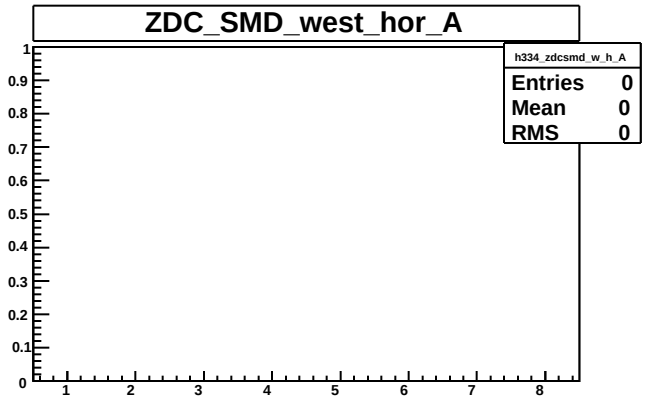

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 1
Mean 5
RMS 0

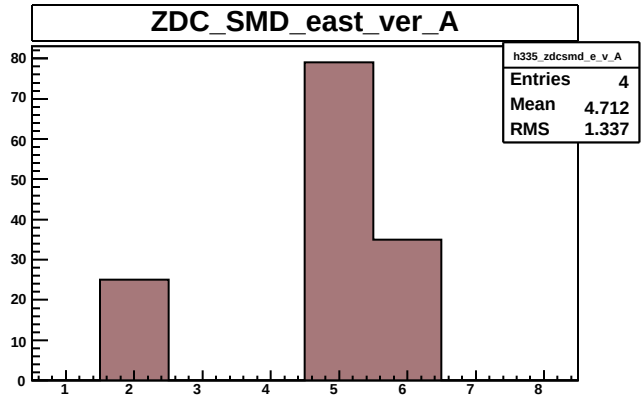

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 0
Mean 0
RMS 0

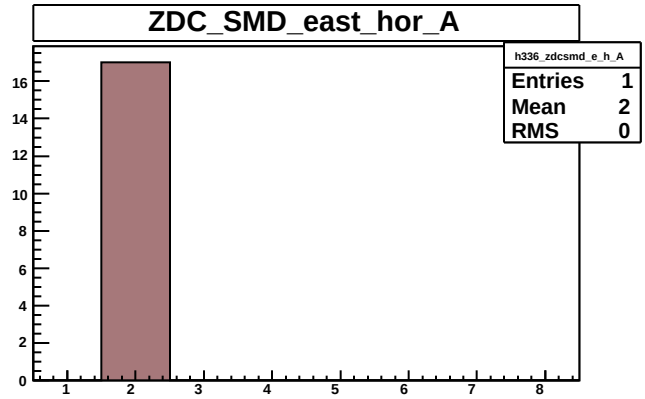

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 4
Mean 3.75
RMS 1.785

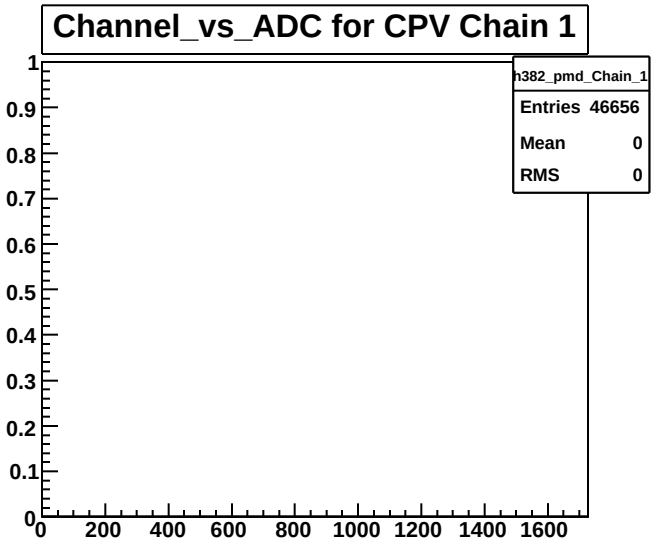

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 1
Mean 2
RMS 0

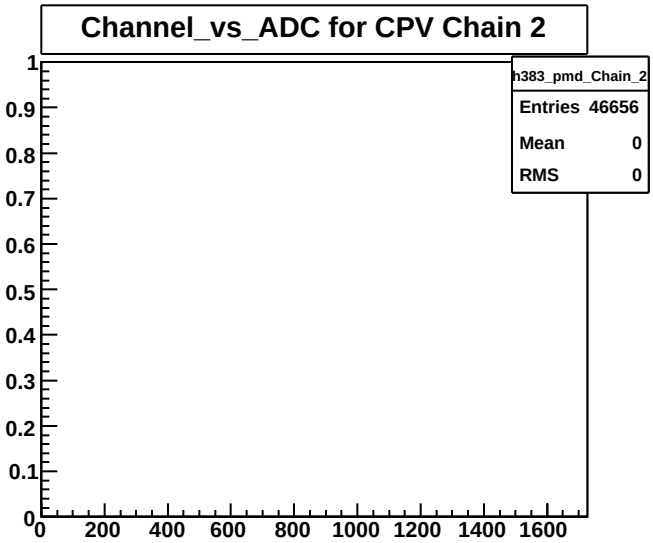

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 1
Mean 5
RMS 0

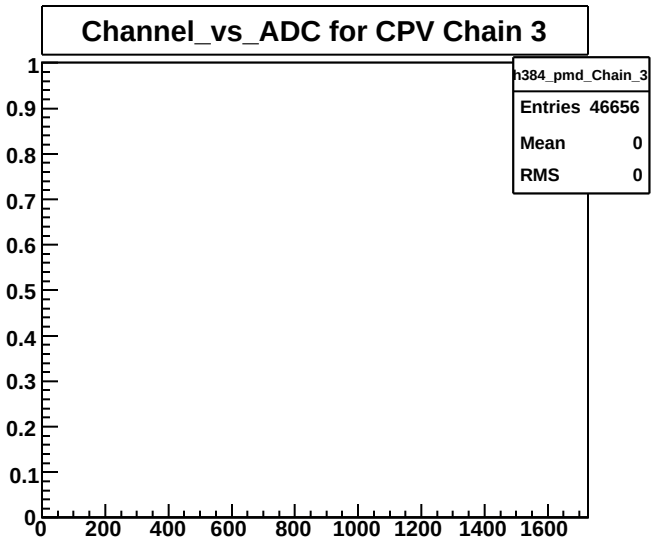

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 0
Mean 0
RMS 0

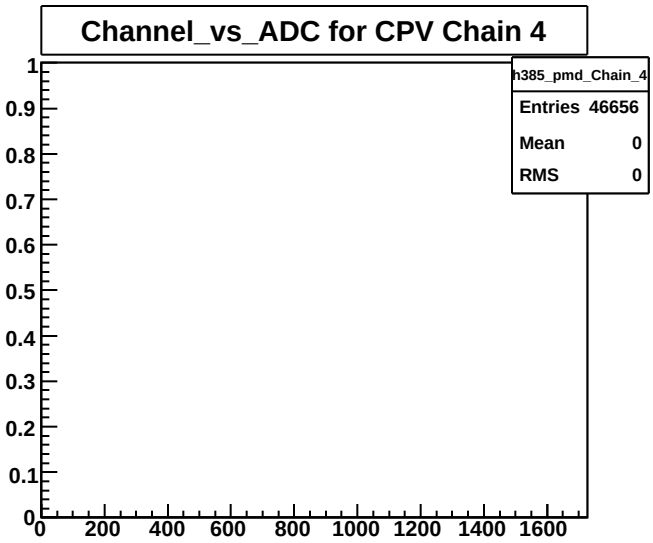

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 4
Mean 4.712
RMS 1.337

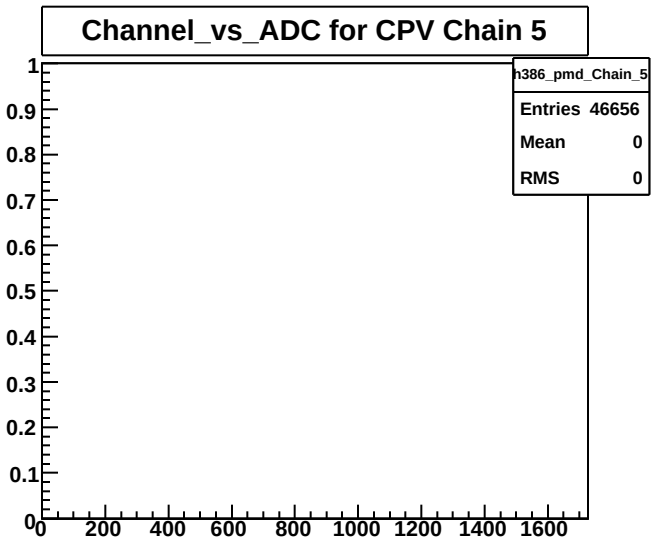

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 1
Mean 2
RMS 0

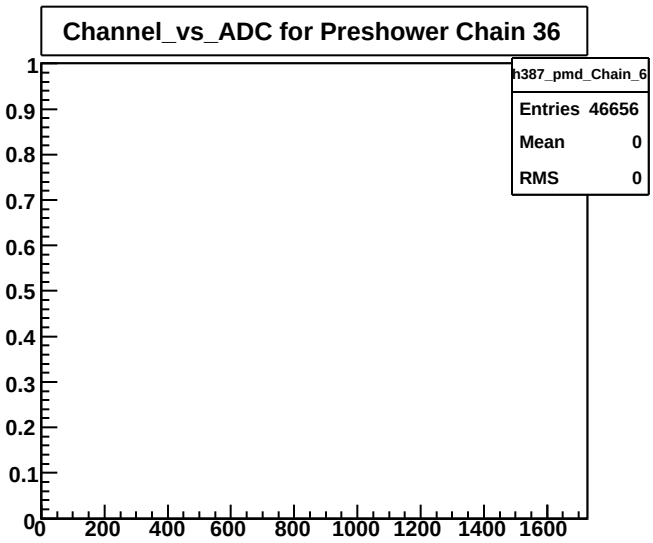

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 46656
Mean 0
RMS 0

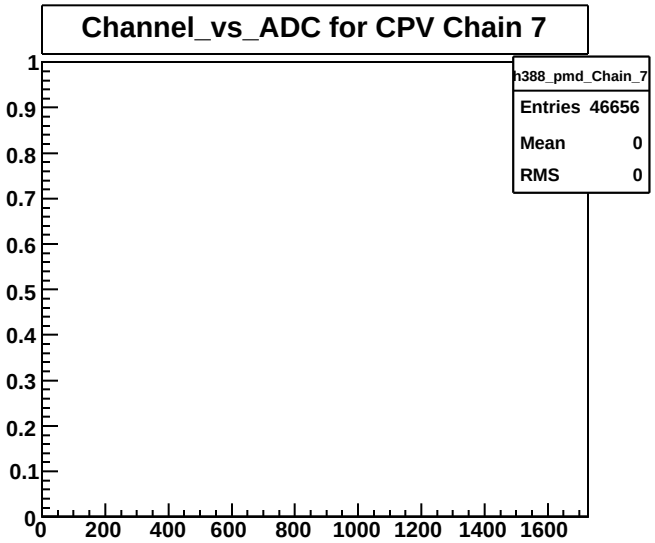

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 46656
Mean 0
RMS 0

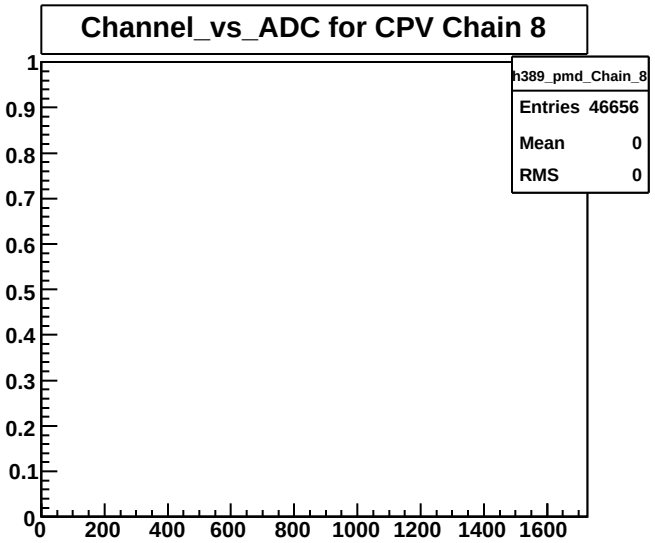

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 46656
Mean 0
RMS 0

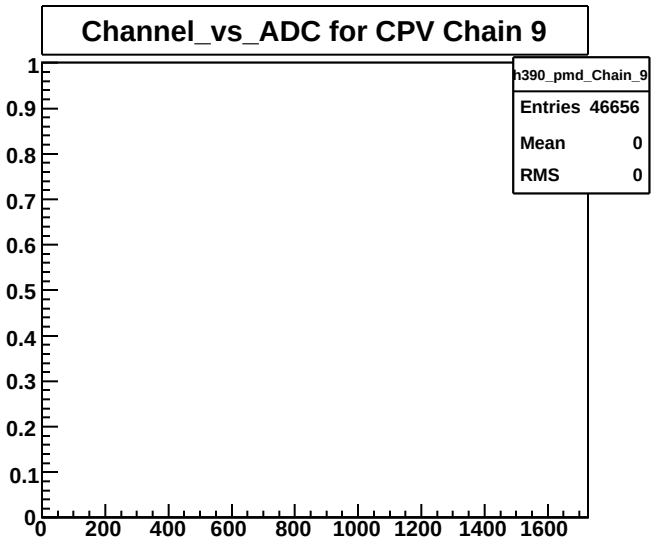

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 46656
Mean 0
RMS 0

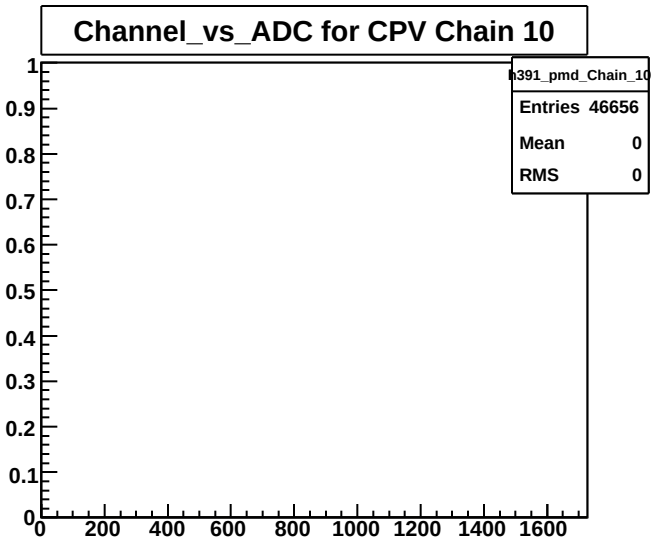

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 46656
Mean 0
RMS 0

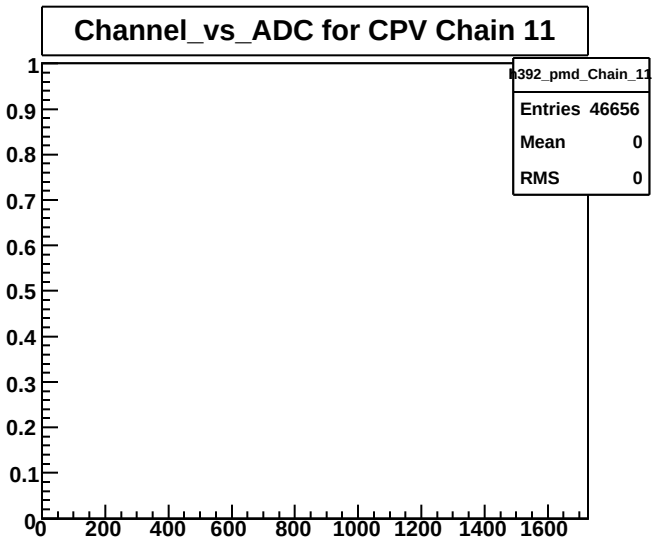

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 46656
Mean 0
RMS 0

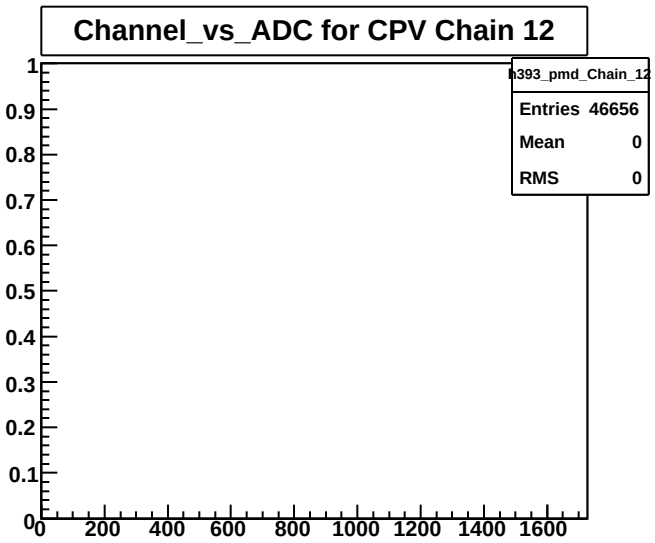

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 46656
Mean 0
RMS 0

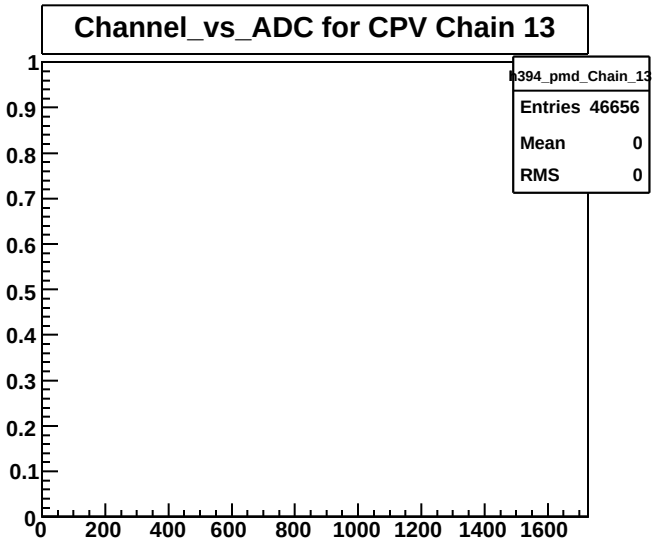

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 46656
Mean 0
RMS 0

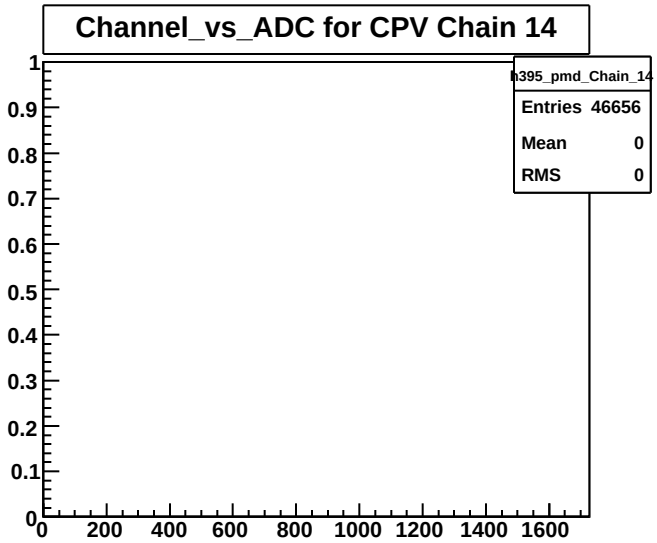

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 46656
Mean 0
RMS 0

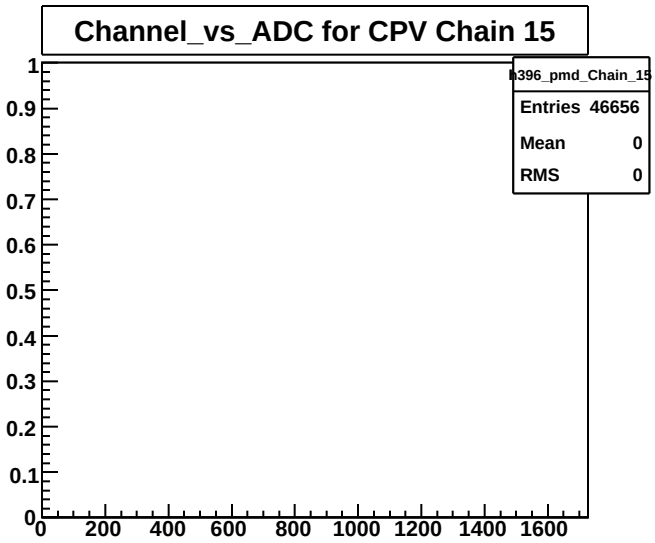

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 46656
Mean 0
RMS 0

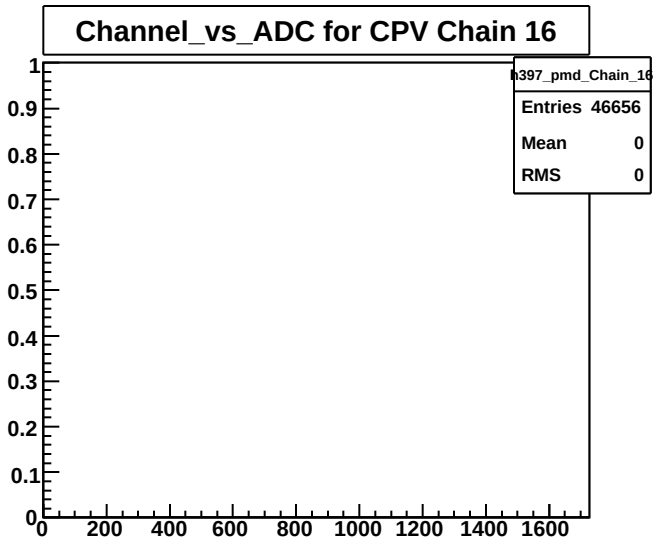

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 46656
Mean 0
RMS 0

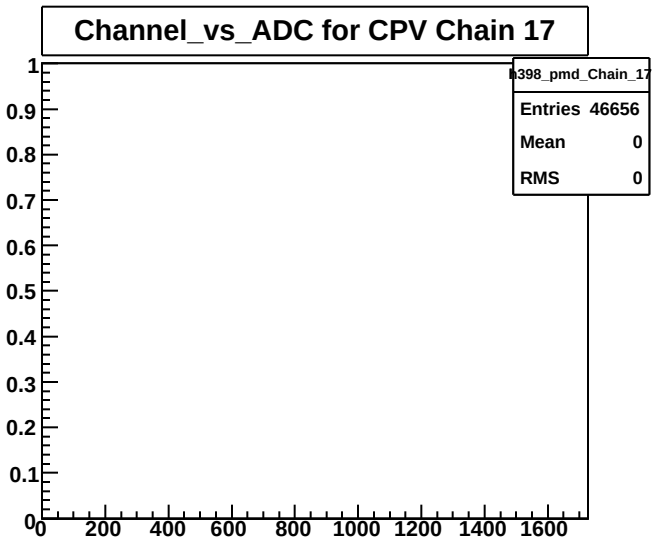

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 46656
Mean 0
RMS 0

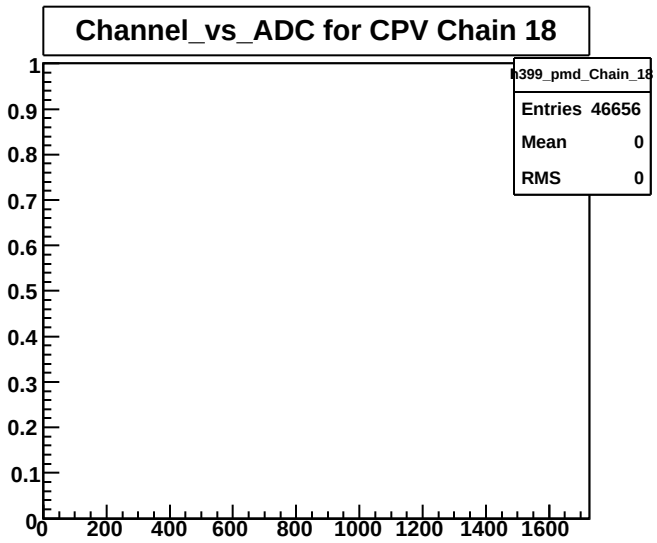

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 46656
Mean 0
RMS 0

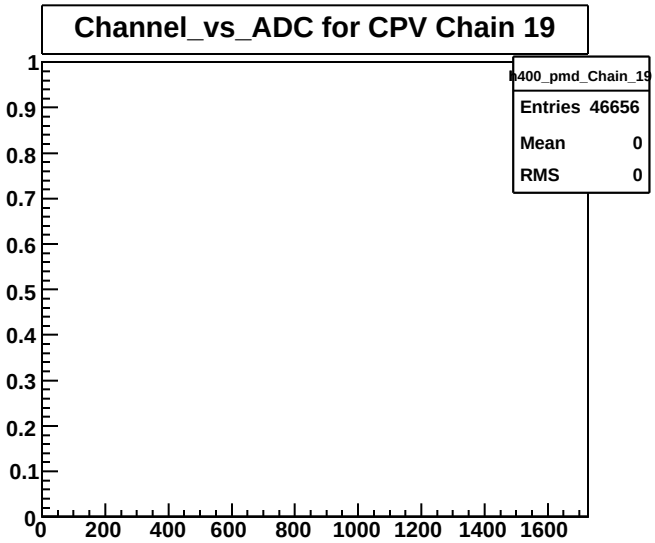

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 46656
Mean 0
RMS 0

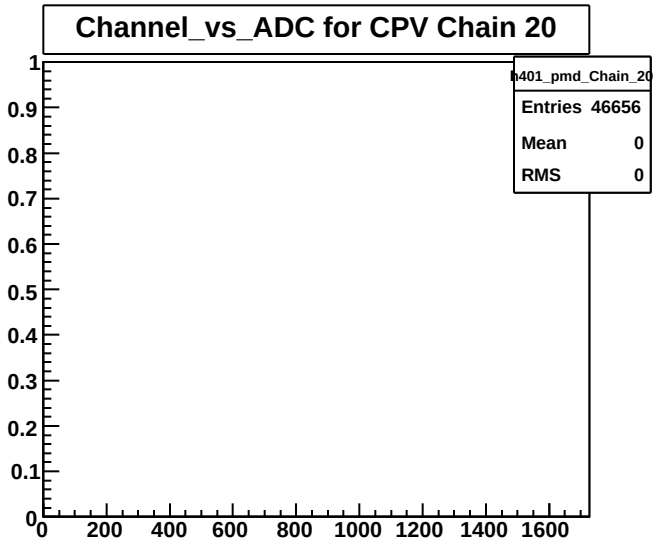

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 46656
Mean 0
RMS 0

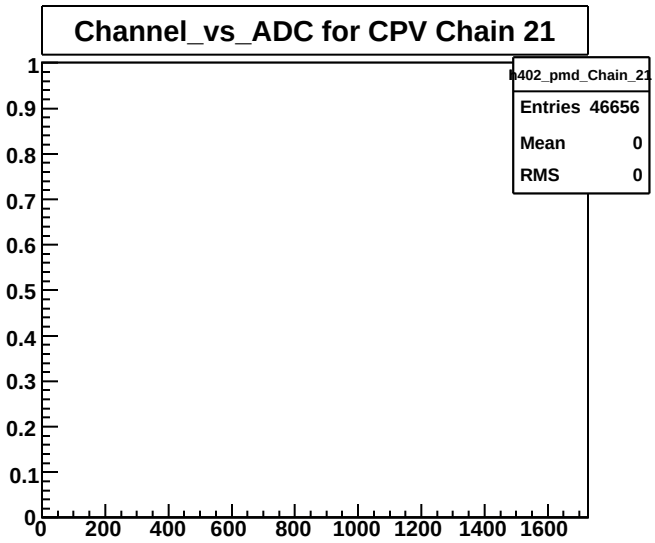

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 46656
Mean 0
RMS 0

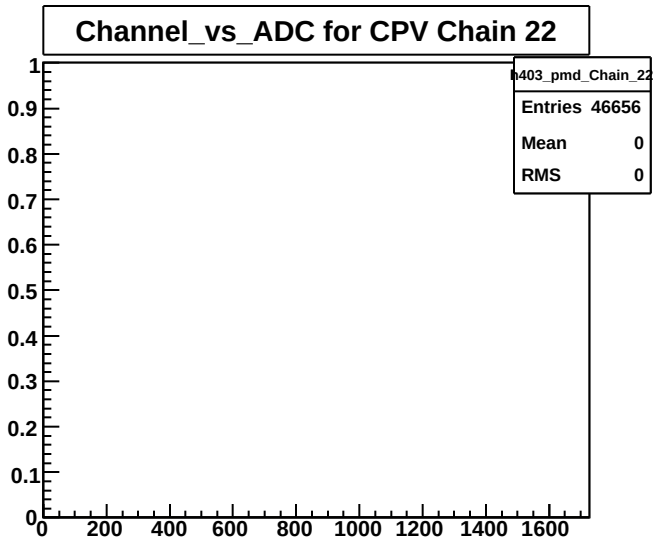

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 46656
Mean 0
RMS 0

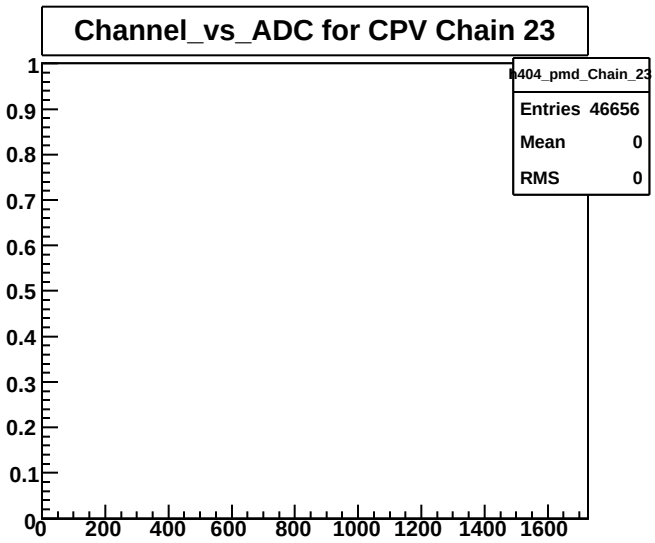

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 46656
Mean 0
RMS 0

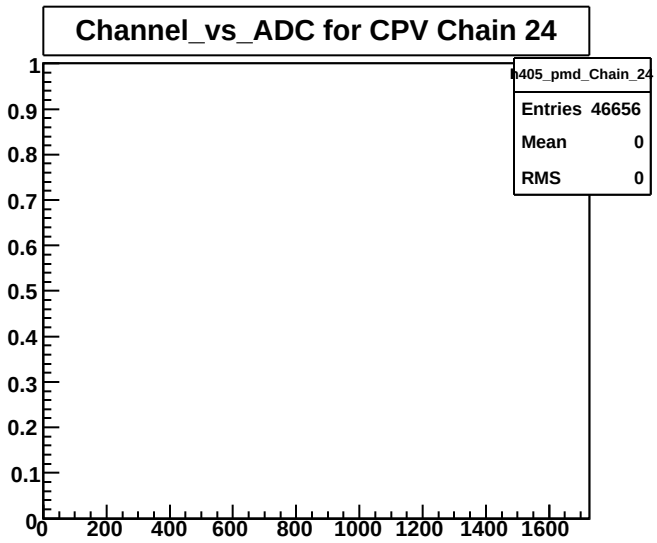

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 46656
Mean 0
RMS 0

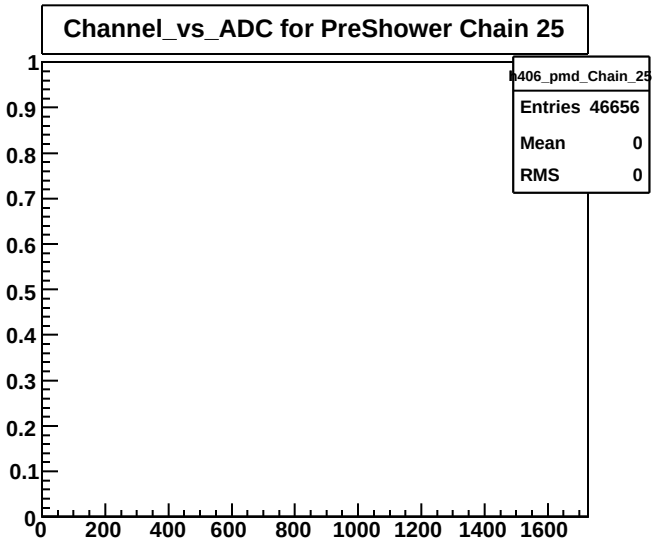

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 46656
Mean 0
RMS 0

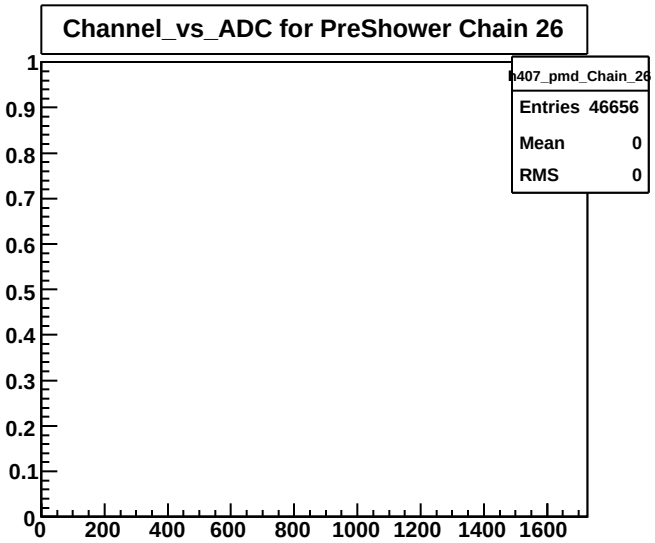

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 46656
Mean 0
RMS 0

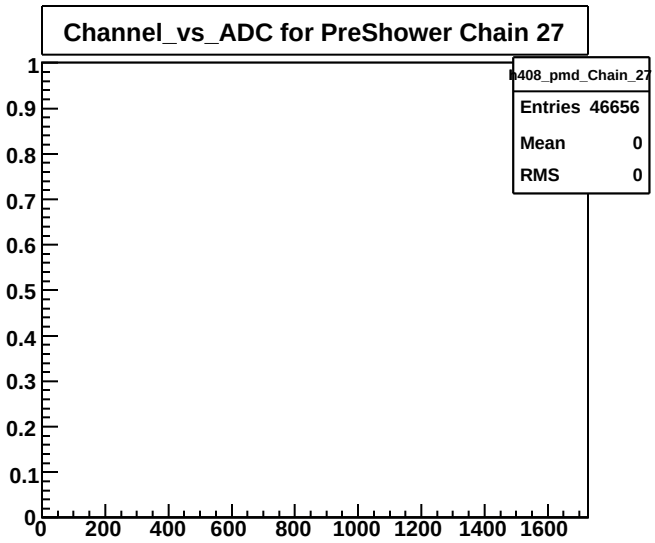

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 46656
Mean 0
RMS 0

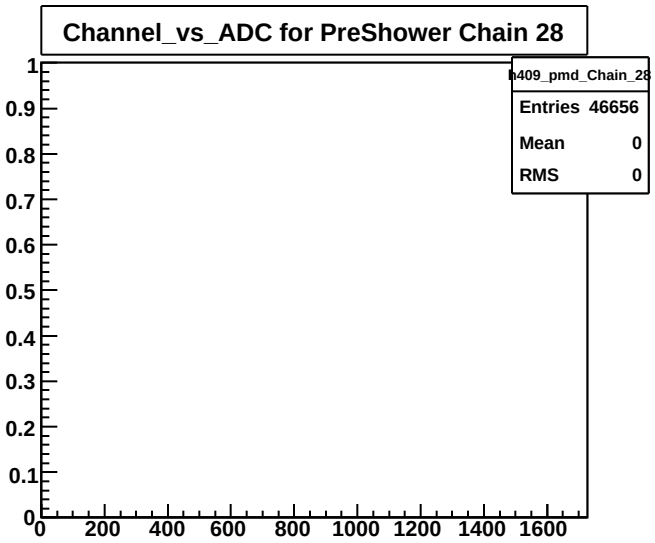

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 46656
Mean 0
RMS 0

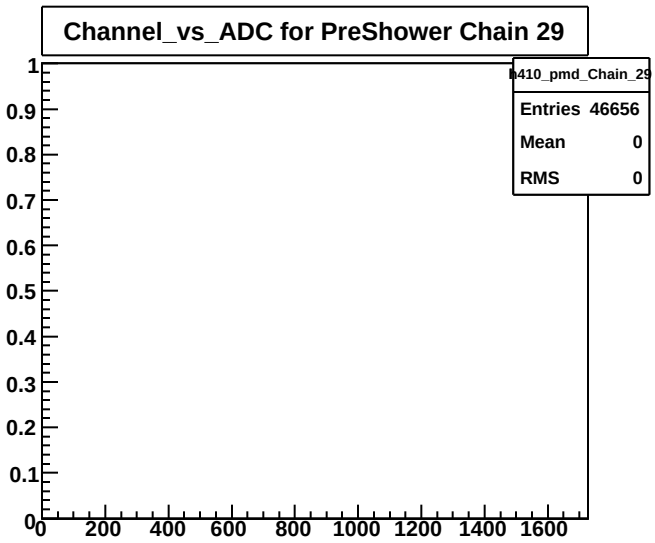

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 46656
Mean 0
RMS 0

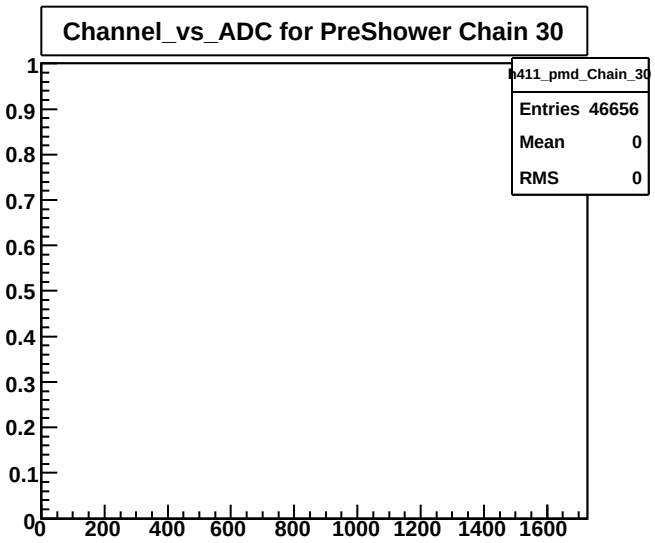

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 46656
Mean 0
RMS 0

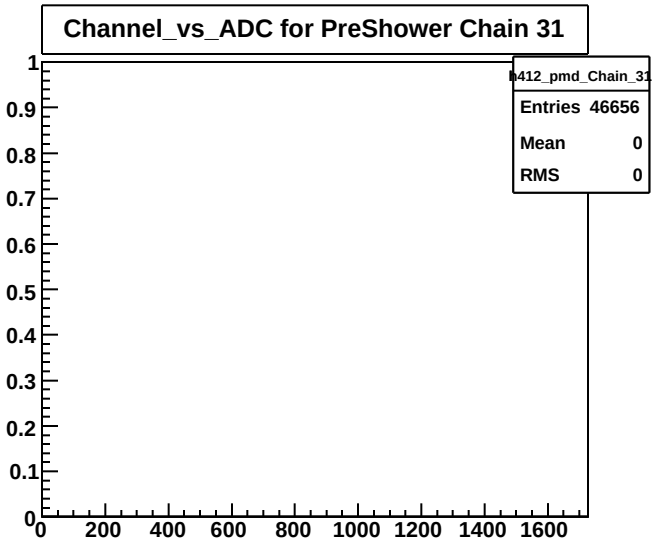

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 46656
Mean 0
RMS 0

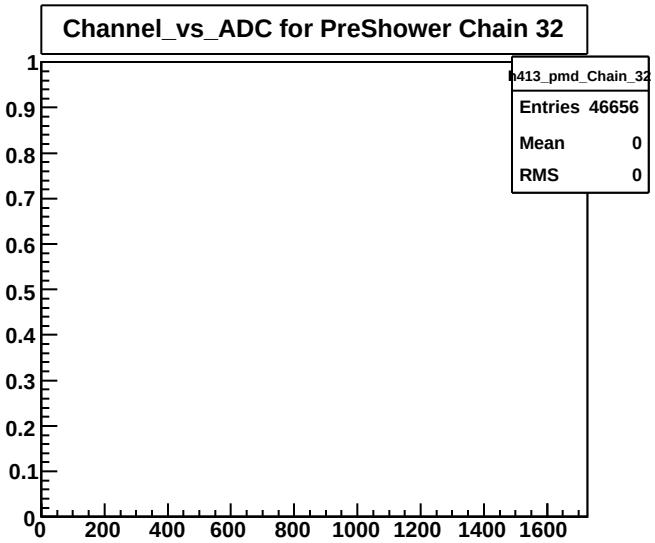

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 46656
Mean 0
RMS 0

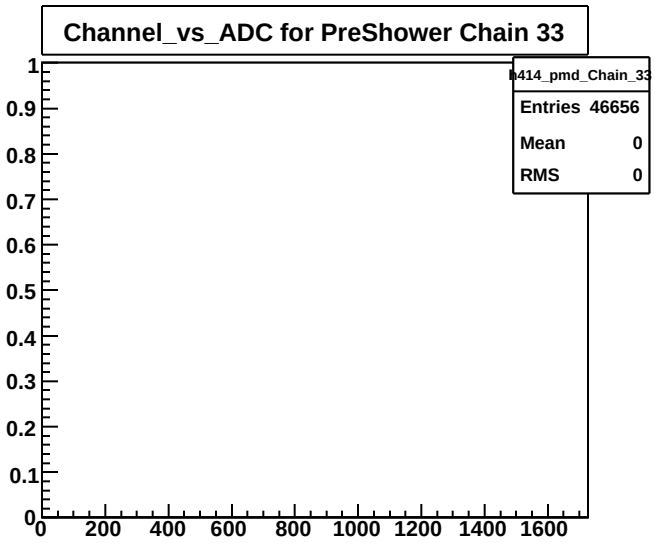

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 46656
Mean 0
RMS 0

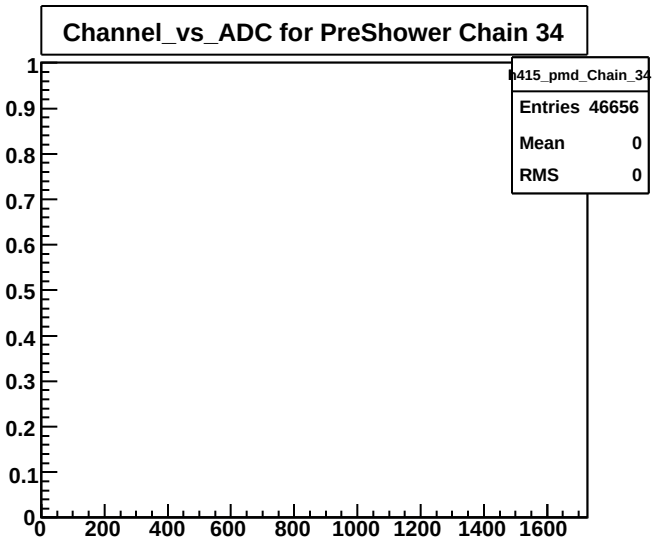

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 46656
Mean 0
RMS 0

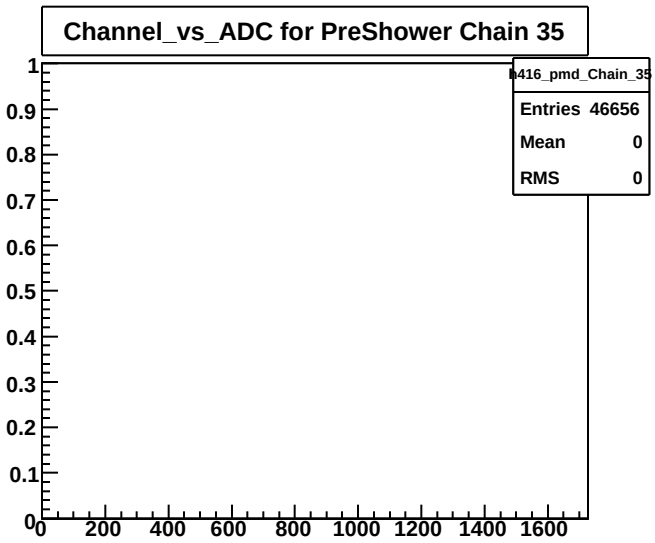

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 46656
Mean 0
RMS 0

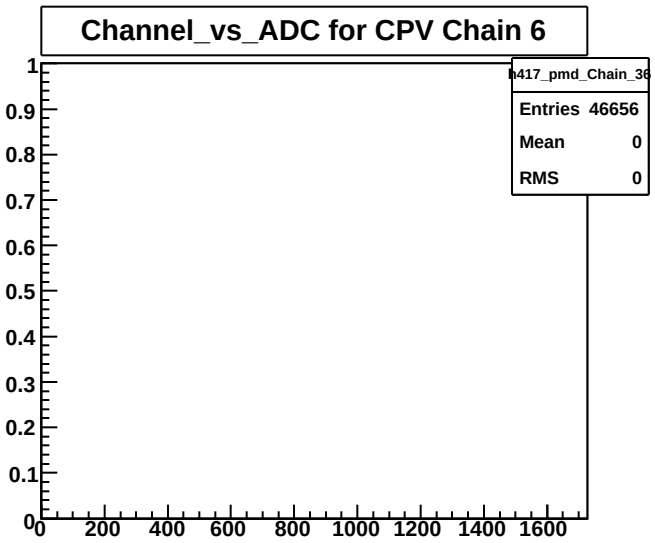

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 46656
Mean 0
RMS 0

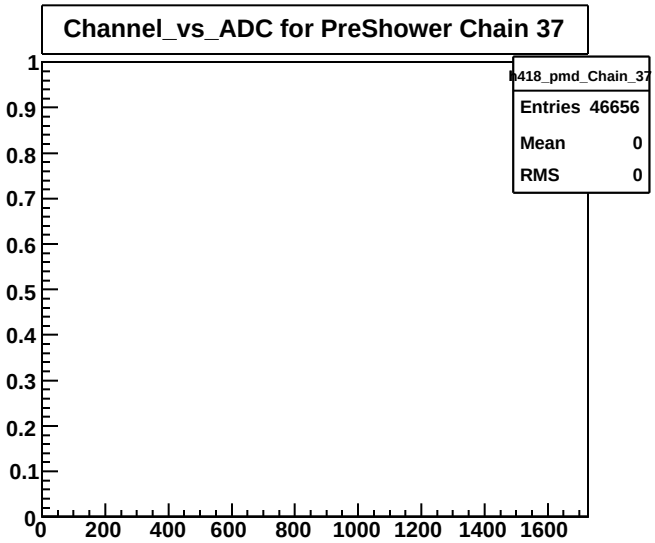

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 46656
Mean 0
RMS 0

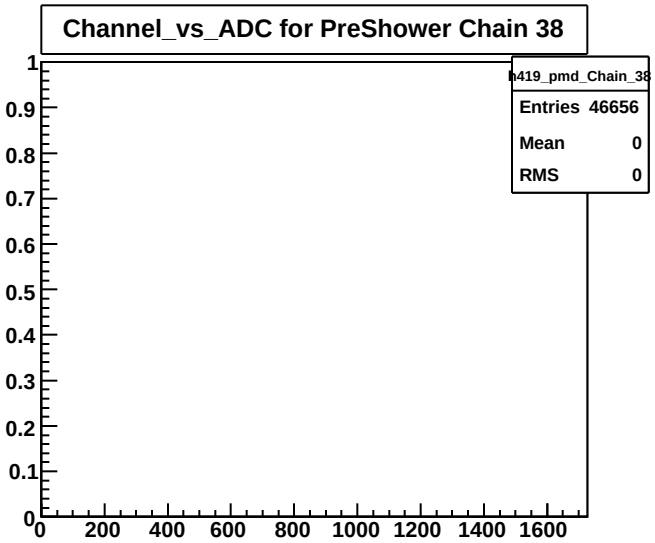

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 46656
Mean 0
RMS 0

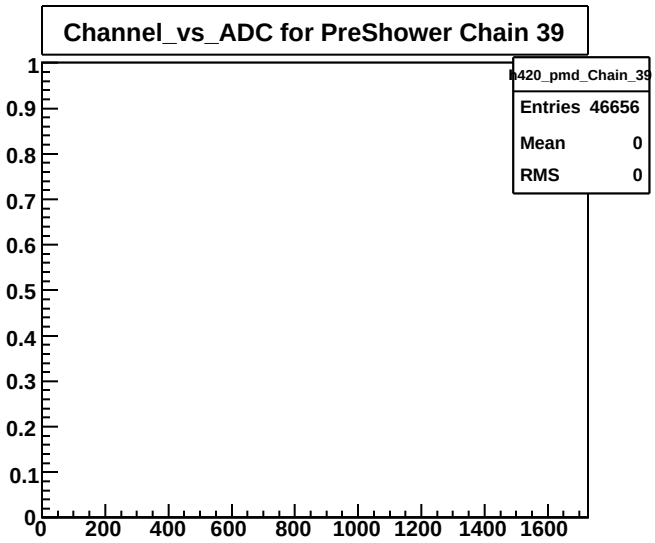

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 46656
Mean 0
RMS 0

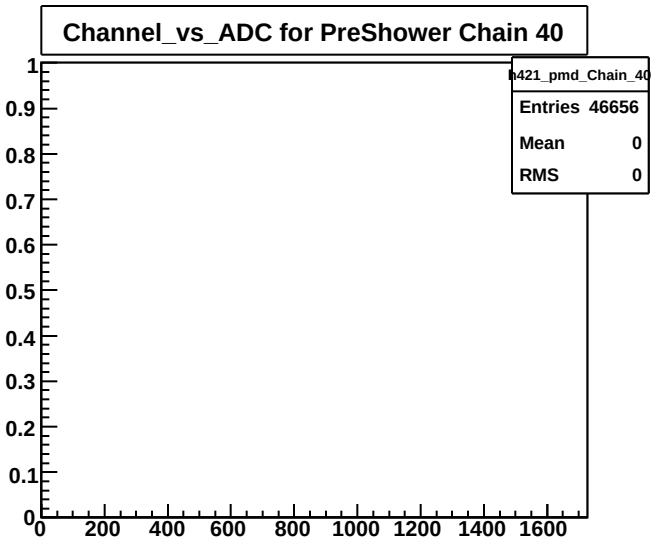

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 46656
Mean 0
RMS 0

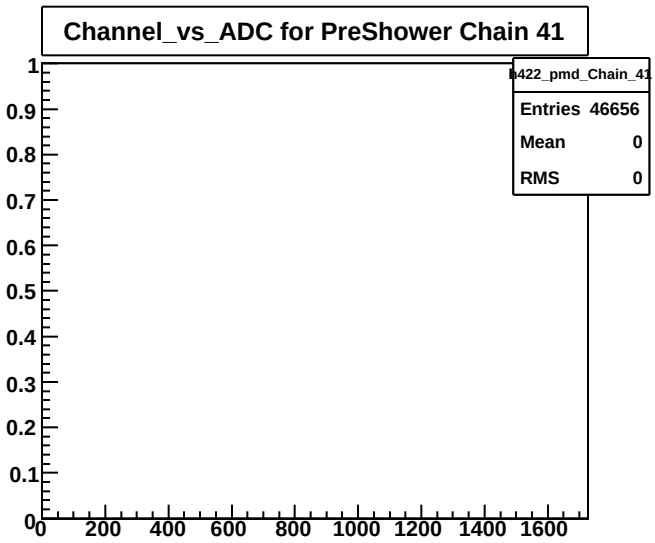

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 46656
Mean 0
RMS 0

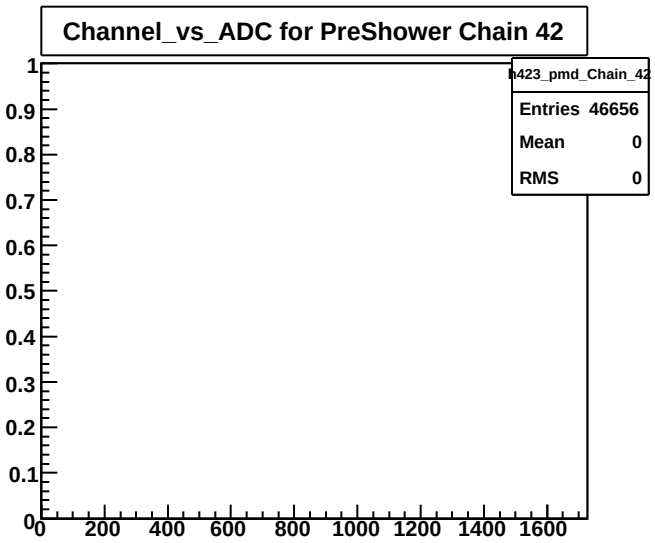

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 46656
Mean 0
RMS 0

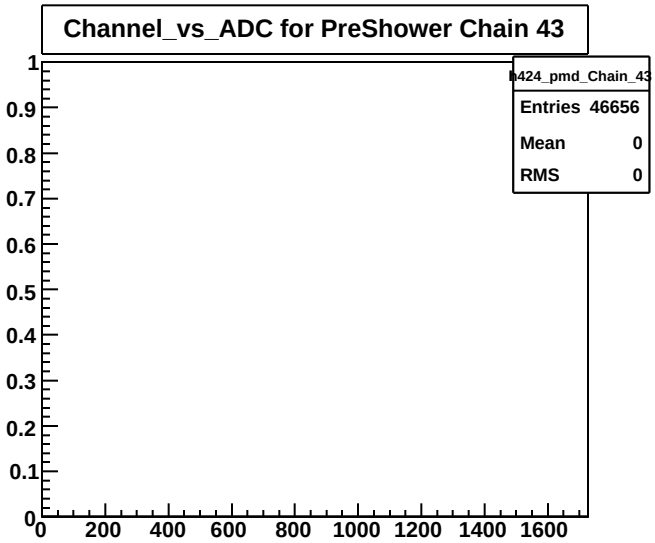

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 46656
Mean 0
RMS 0

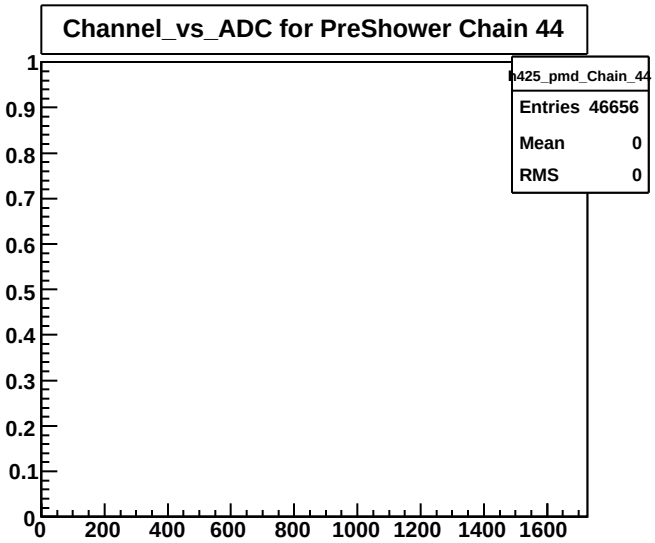

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 46656
Mean 0
RMS 0

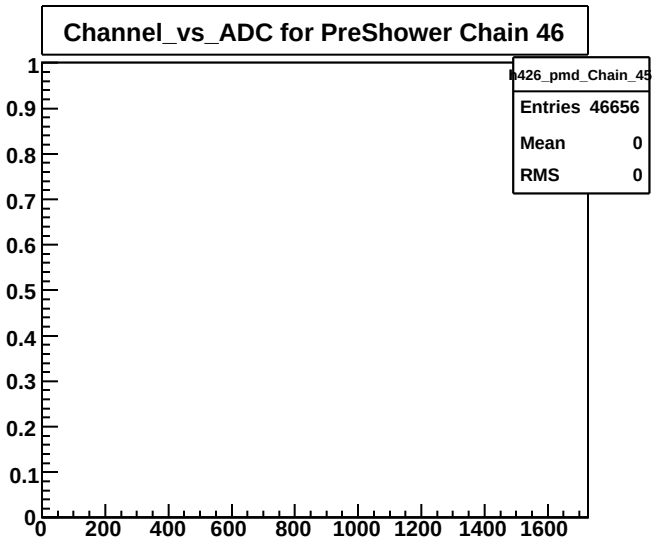

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 46656
Mean 0
RMS 0

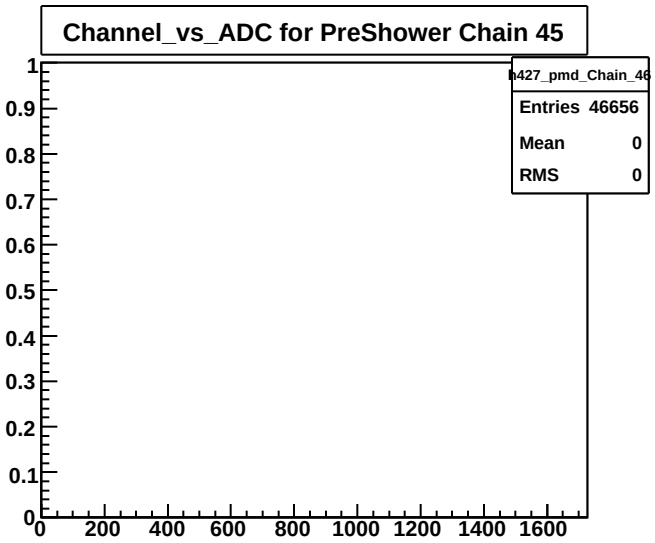

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 46656
Mean 0
RMS 0

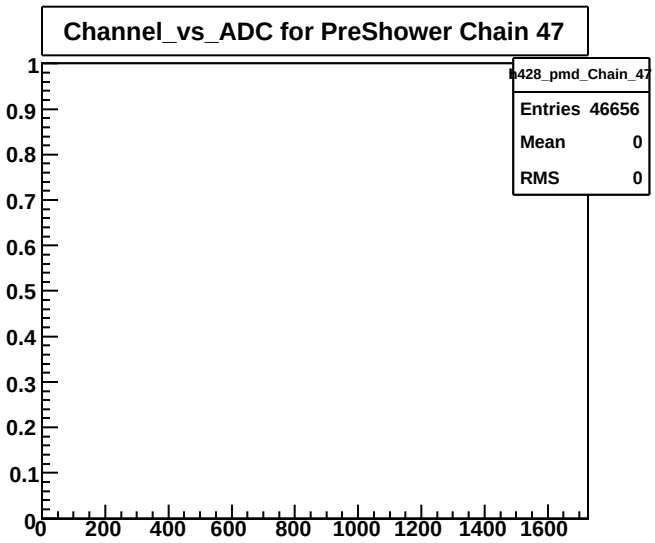

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 46656
Mean 0
RMS 0

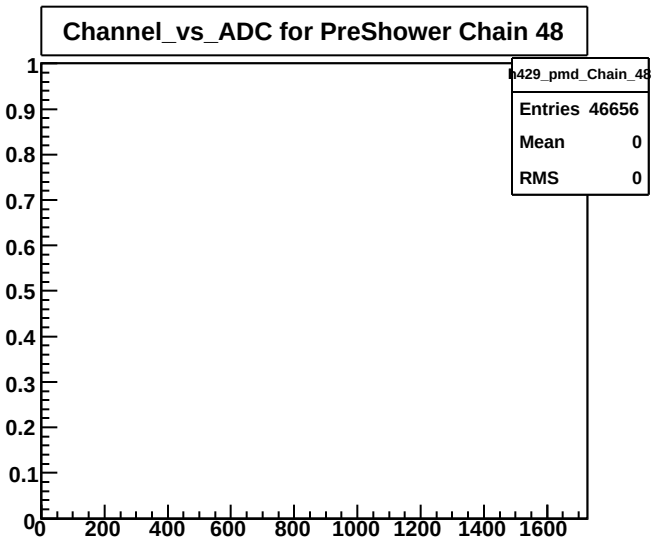

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 46656
Mean 0
RMS 0

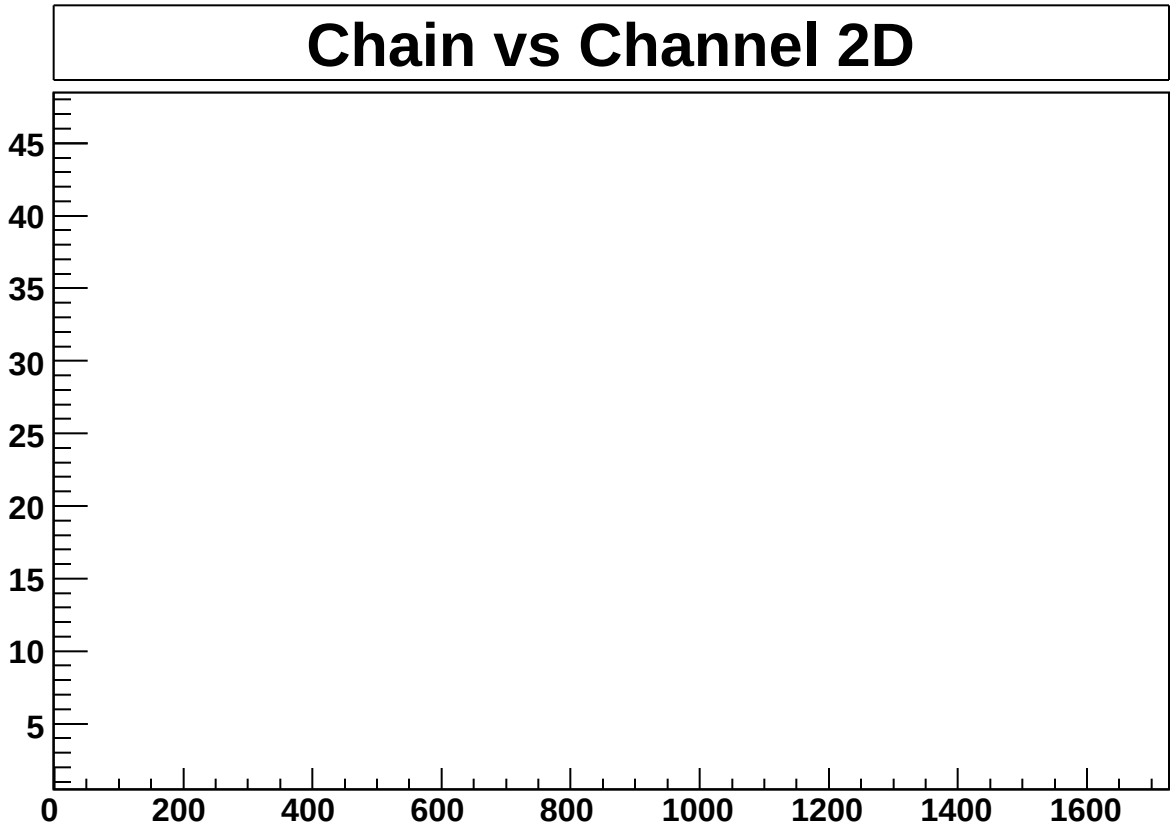

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 46656
Mean 0
RMS 0

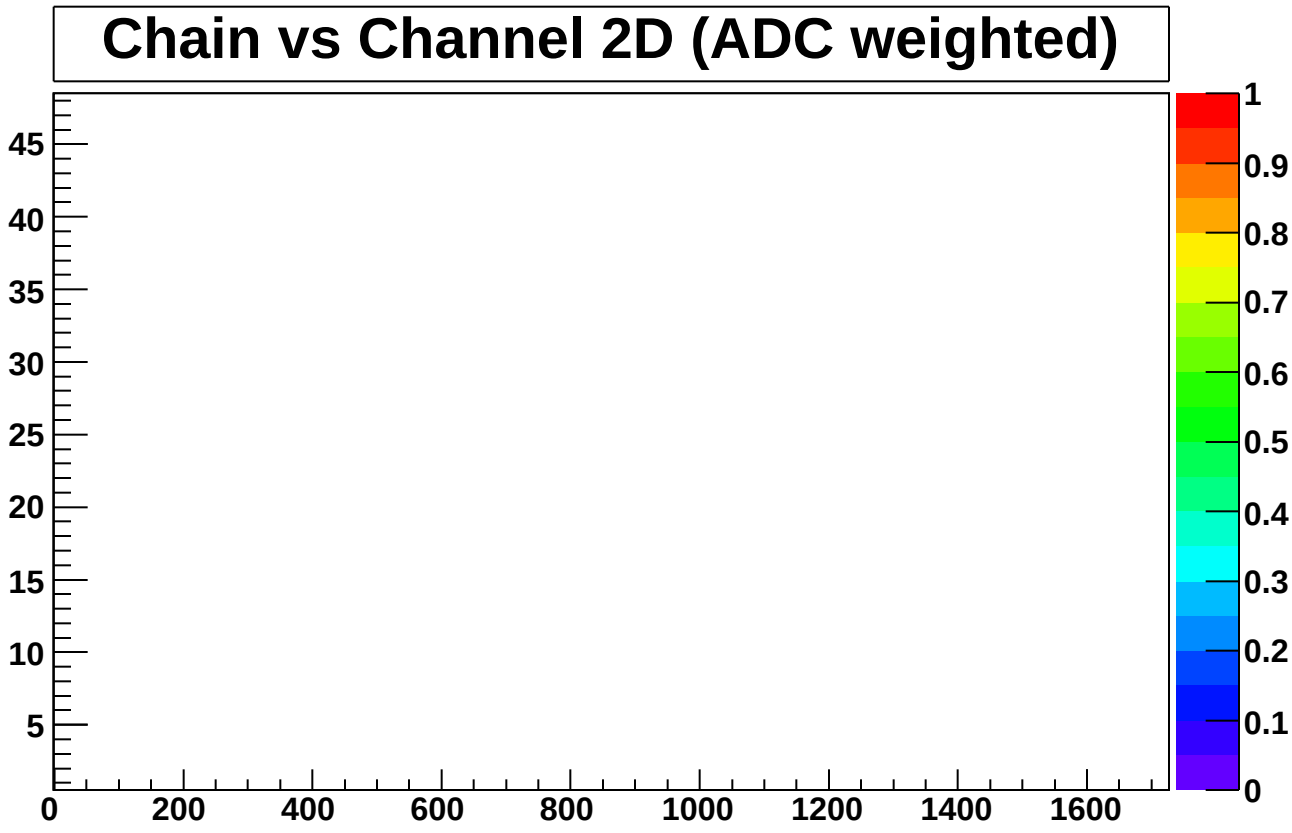

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 46656
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 46656
Mean 0
RMS 0

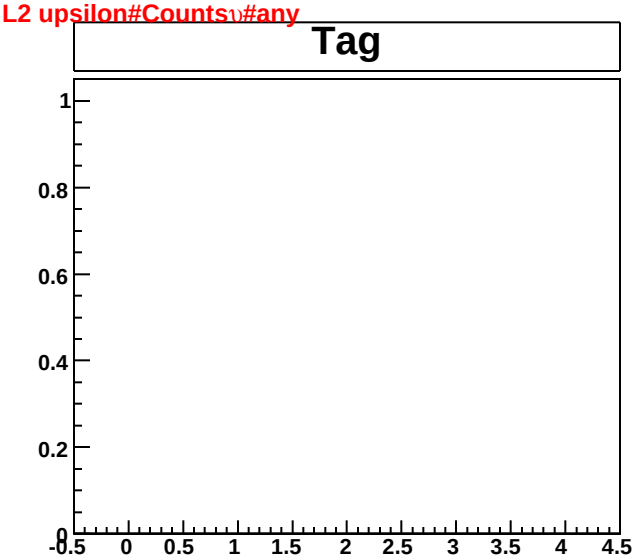

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 46656
Mean 0
RMS 0

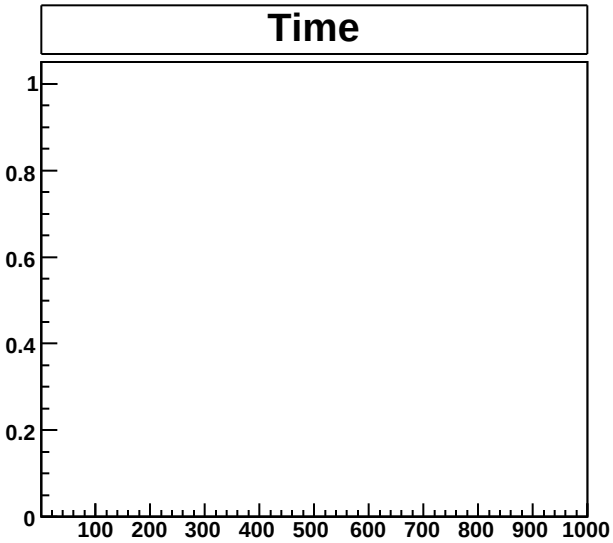

Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 46656
Mean 0
RMS 0

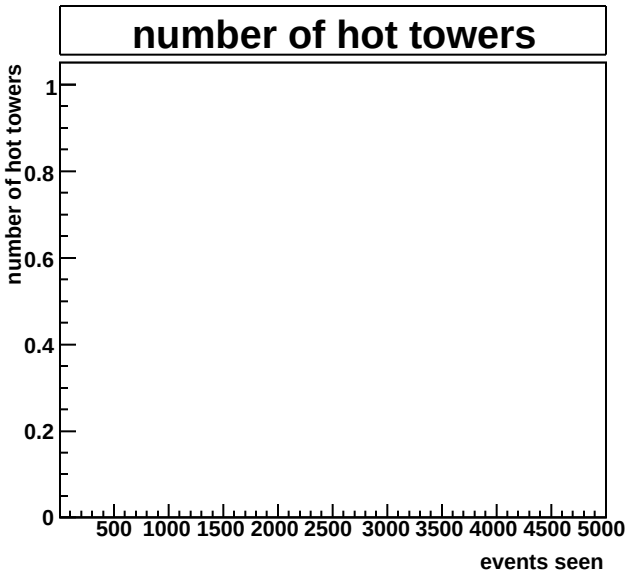

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

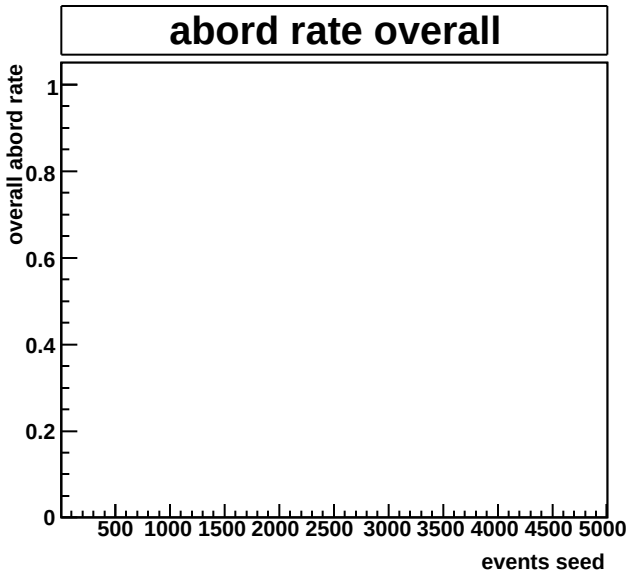

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

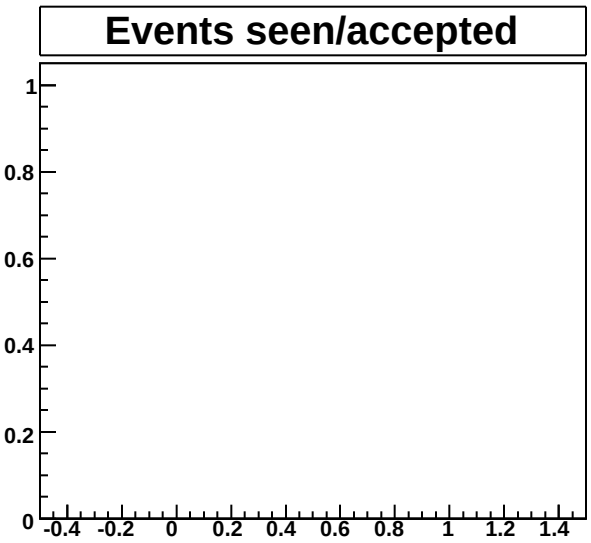
L2 upsilon#Countsυ#any

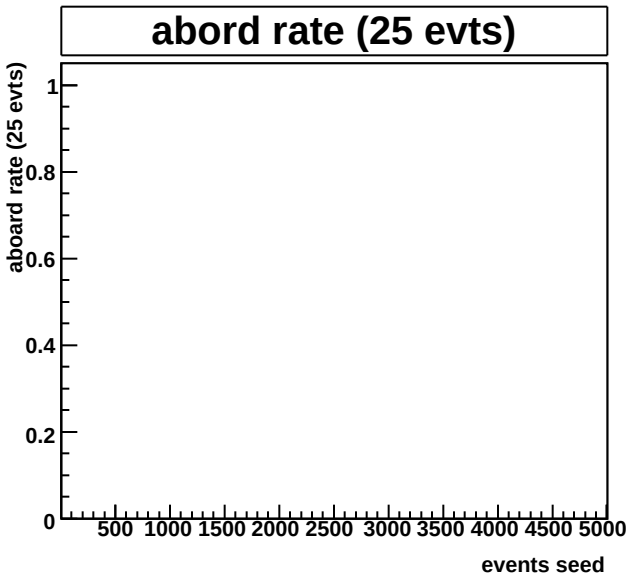




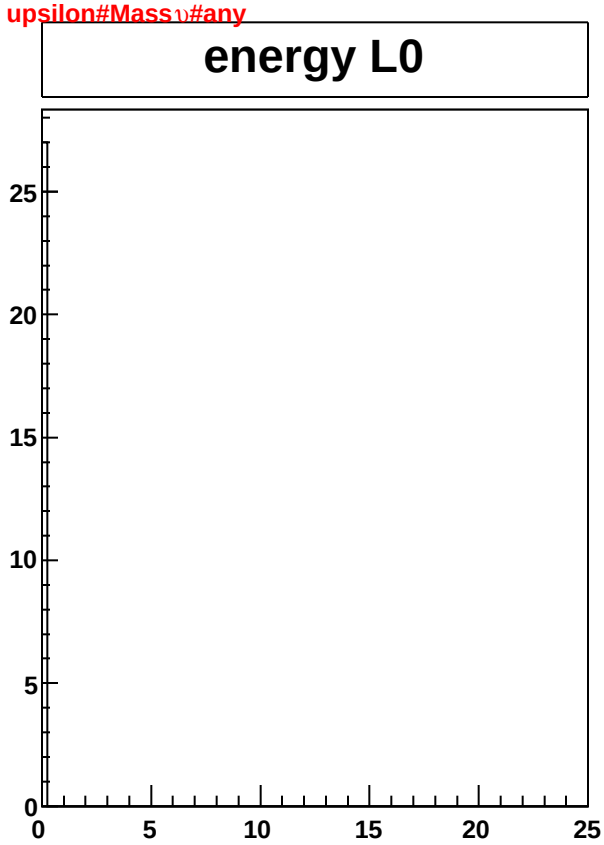


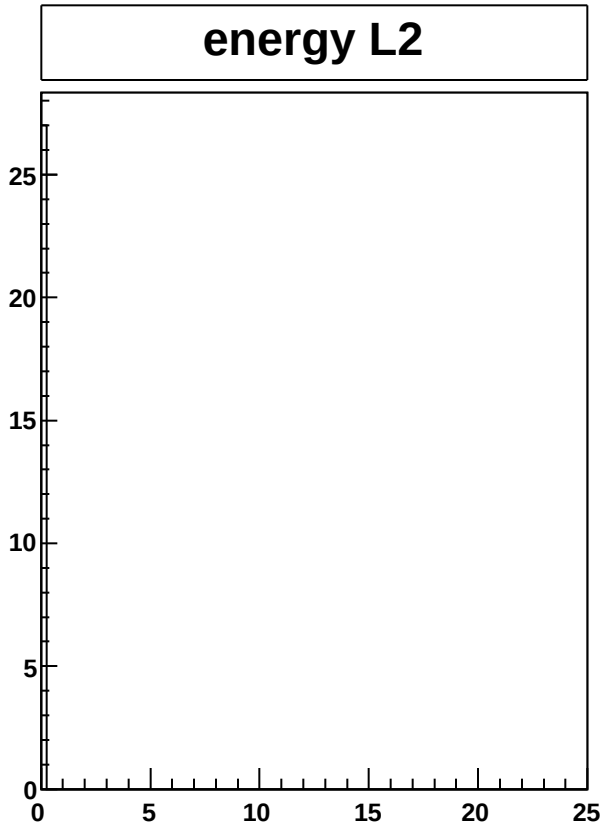


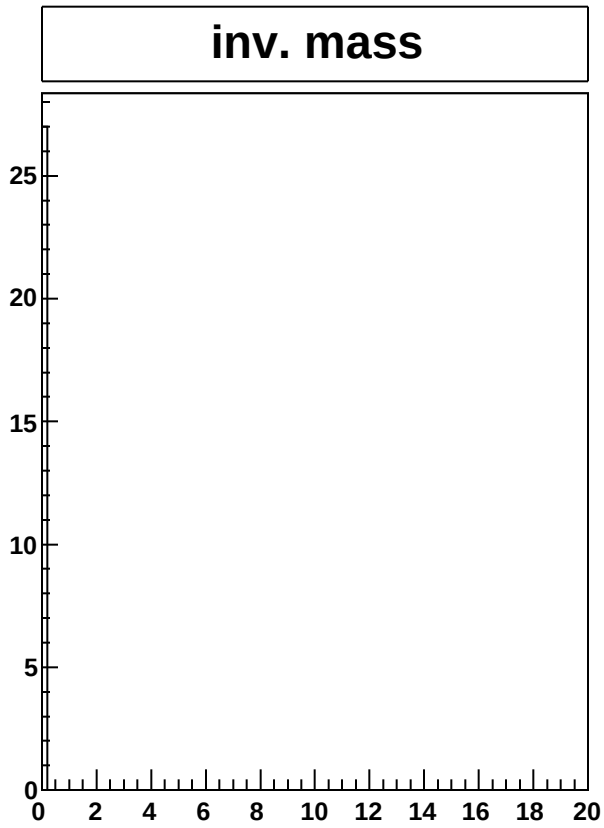


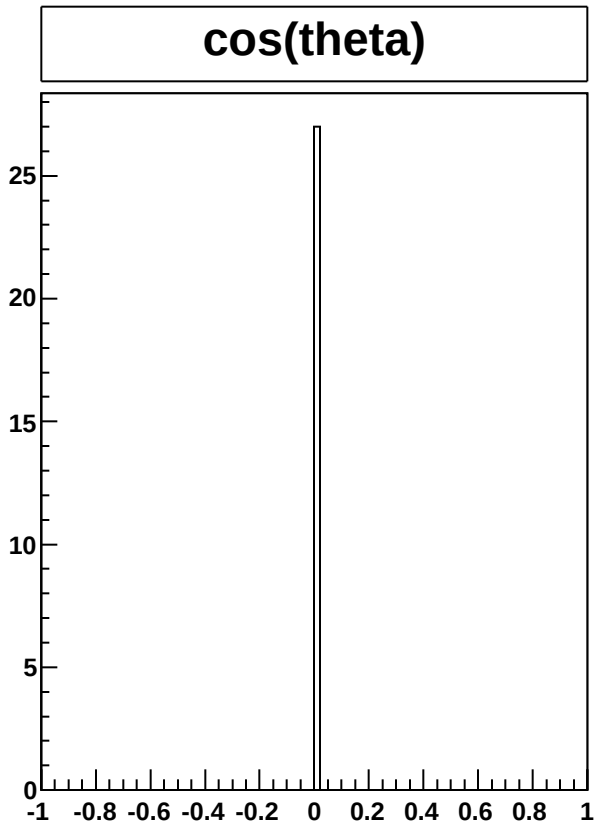


L2 upsilon#Massυ#any

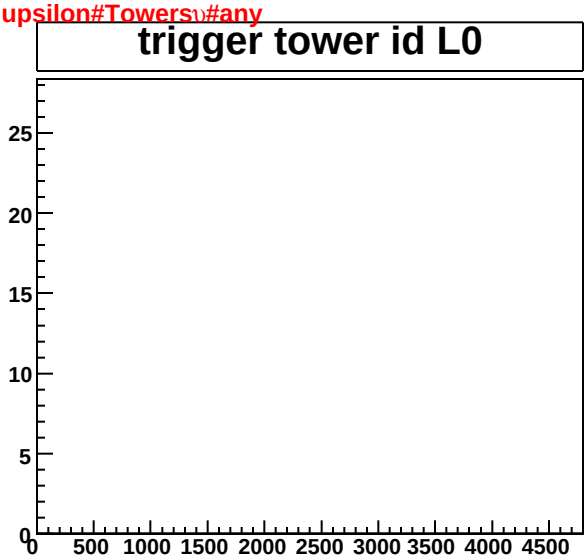


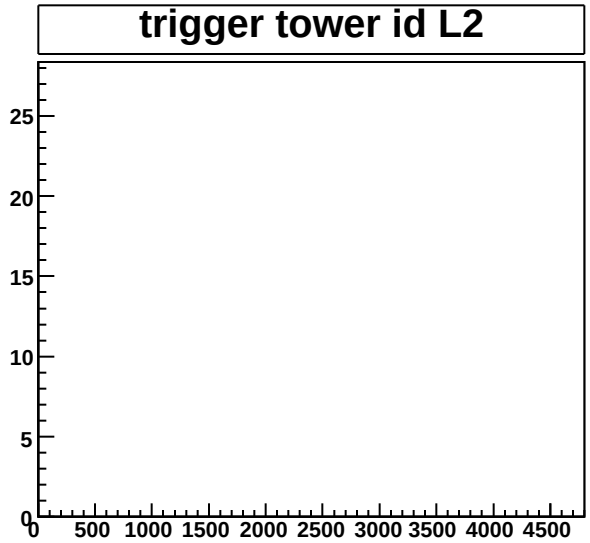


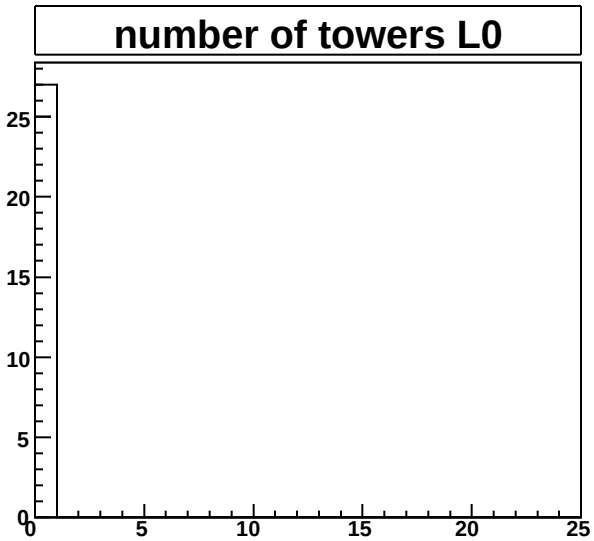


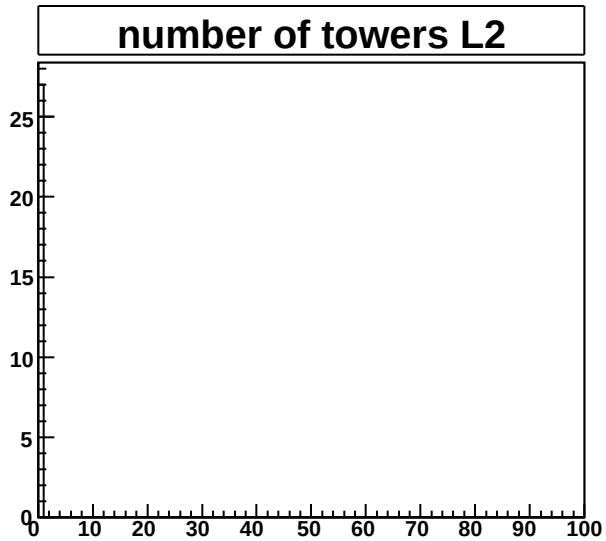


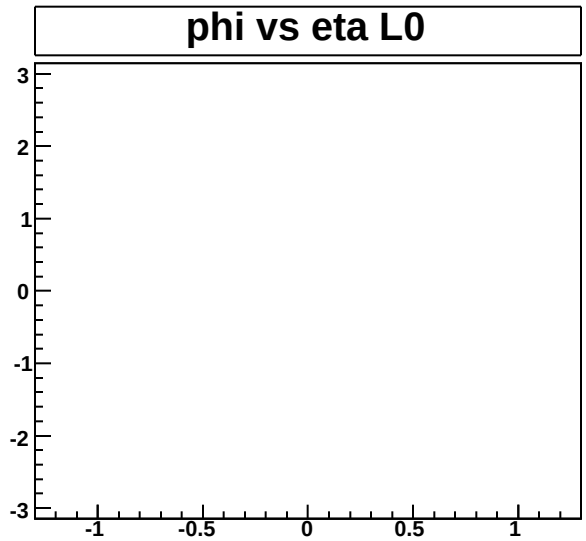
L2 upsilon#Towersυ#any

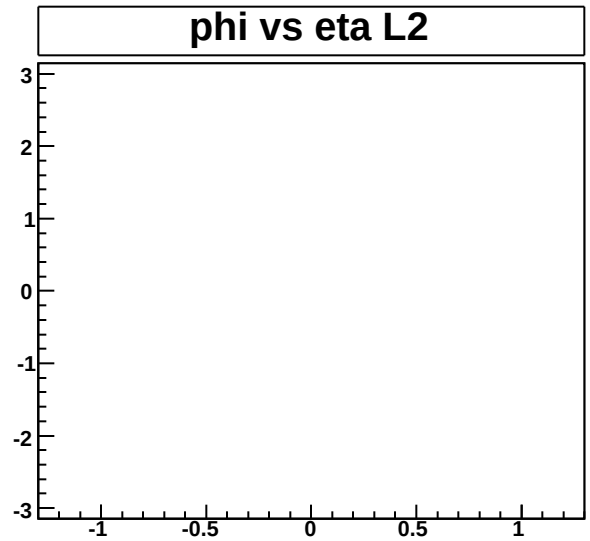






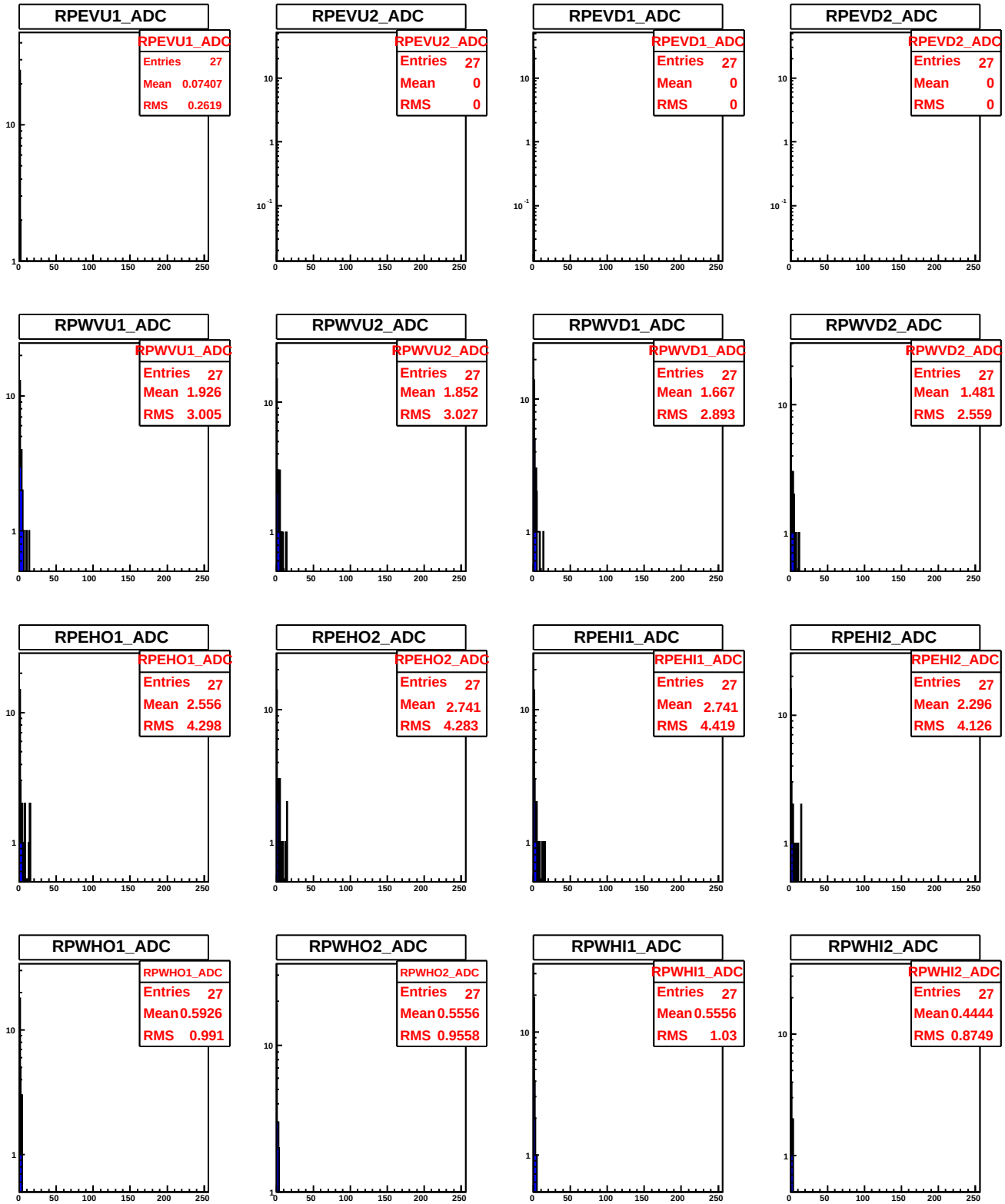






P2P#Trg1-16#any#trg

Run: #12058059



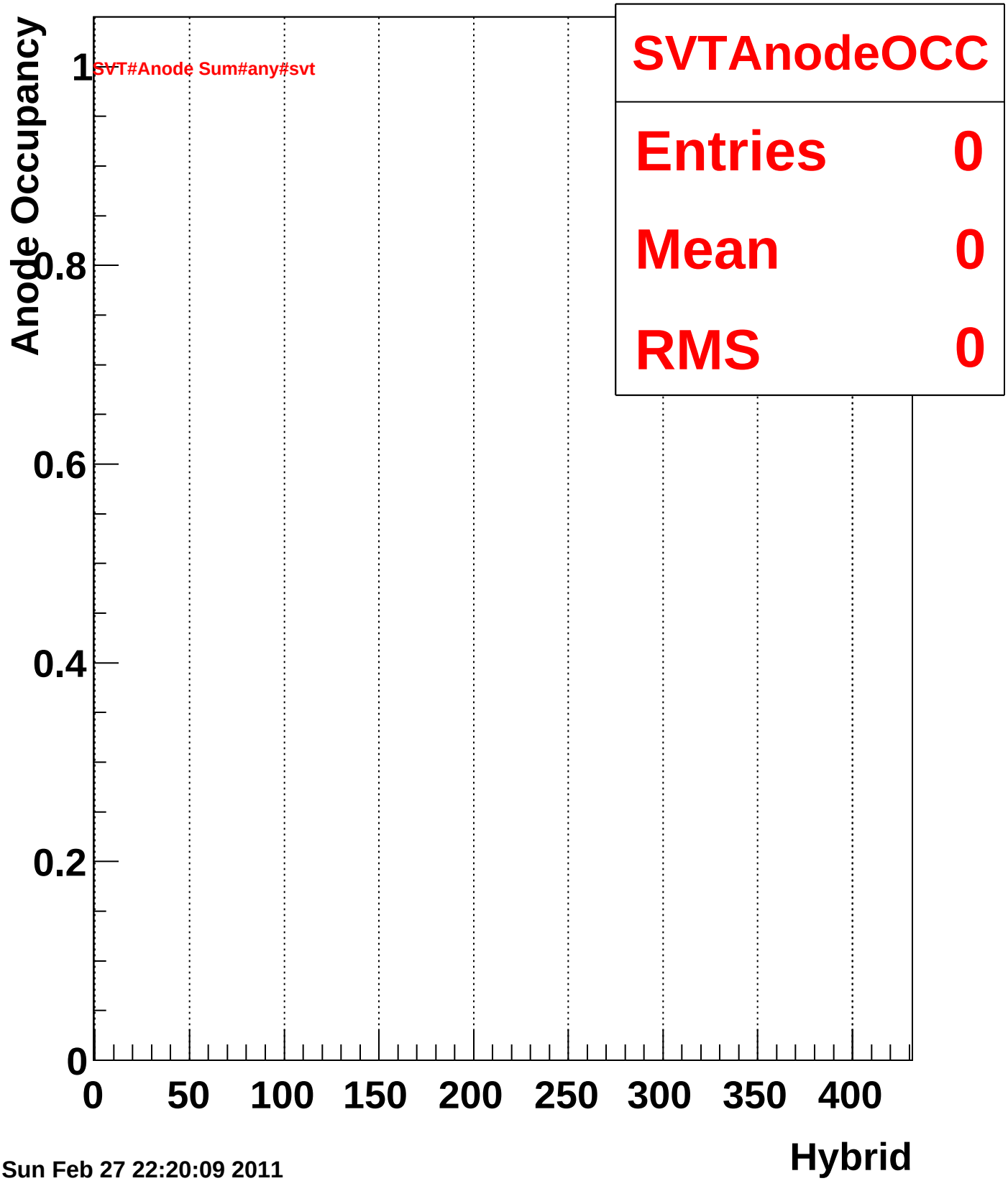
Sun Feb 27 22:20:09 2011

P2P#Trg17-32#any#trg

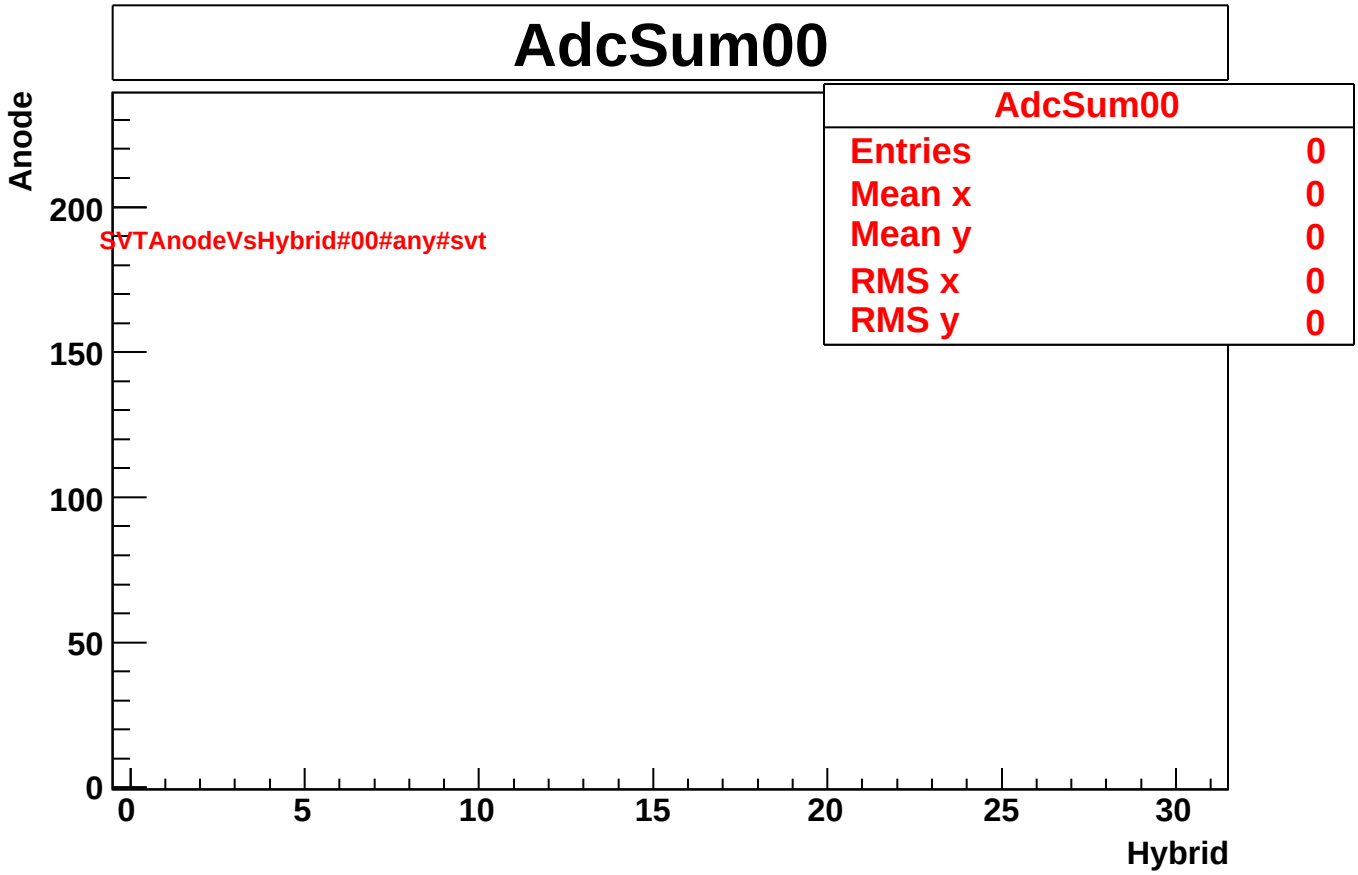
Run: #12058059

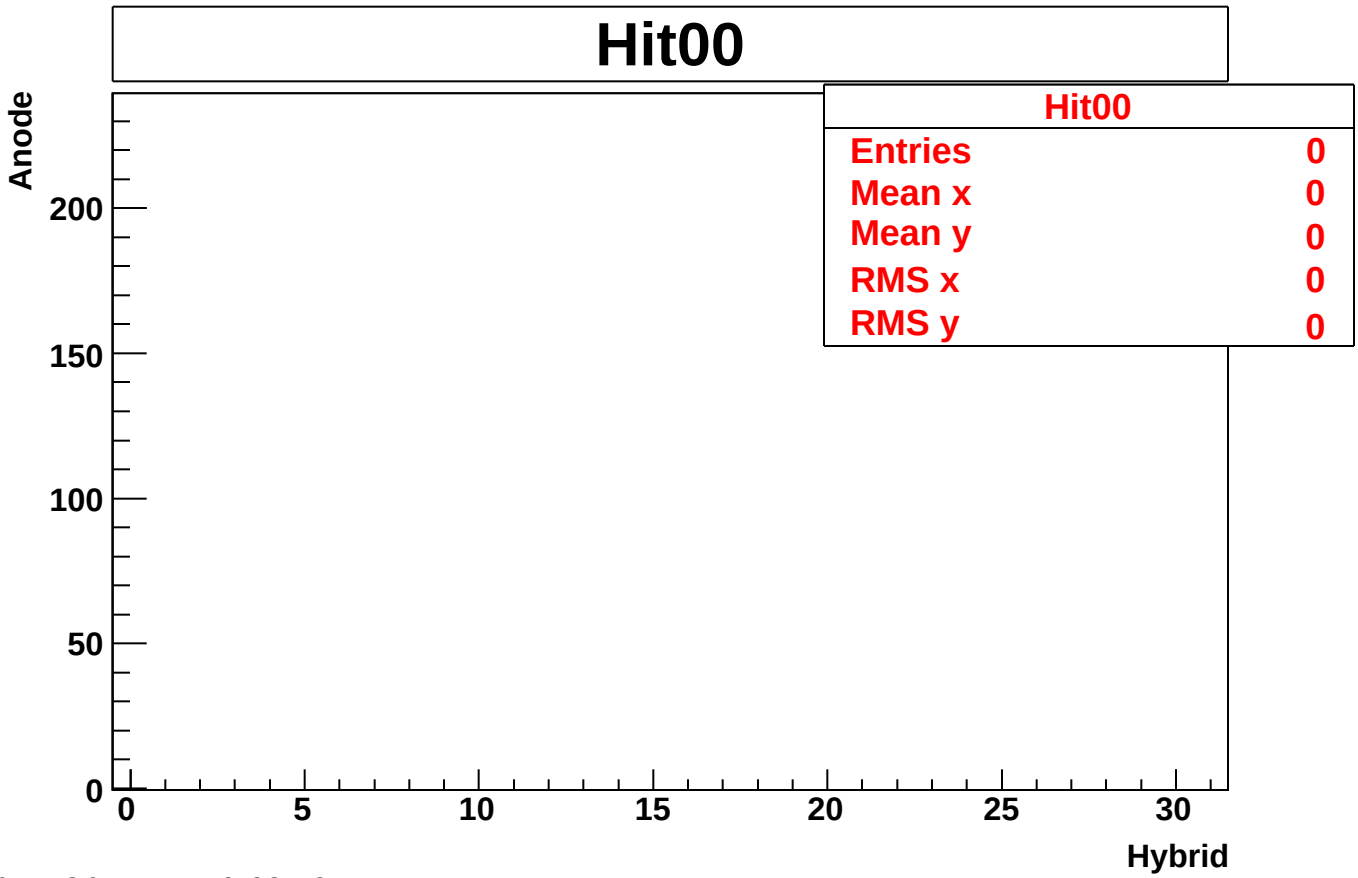
Sun Feb 27 22:20:09 2011

SVTAnodeOCC



Sun Feb 27 22:20:09 2011


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


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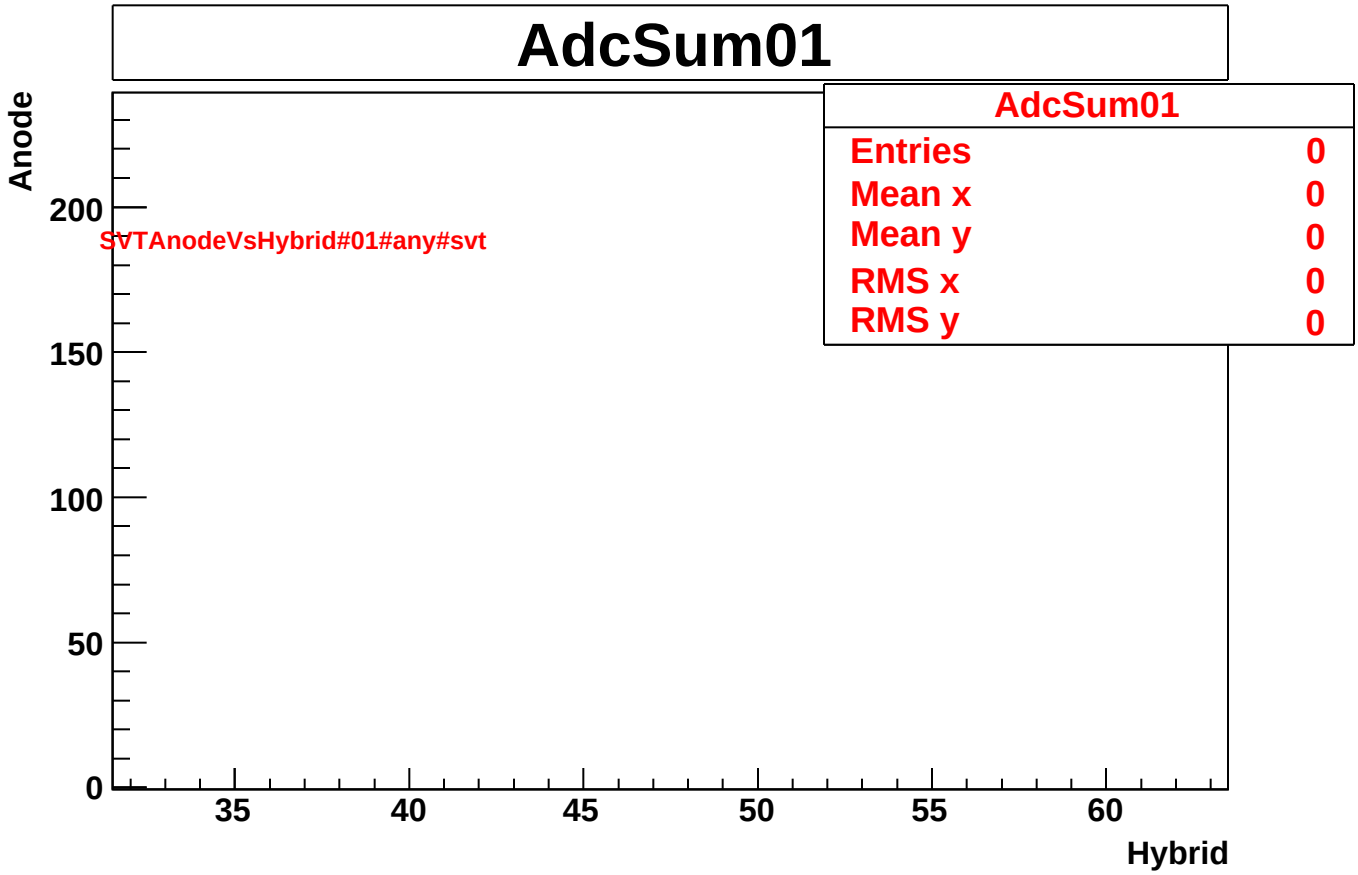
10
15
20
25
30
Hybrid


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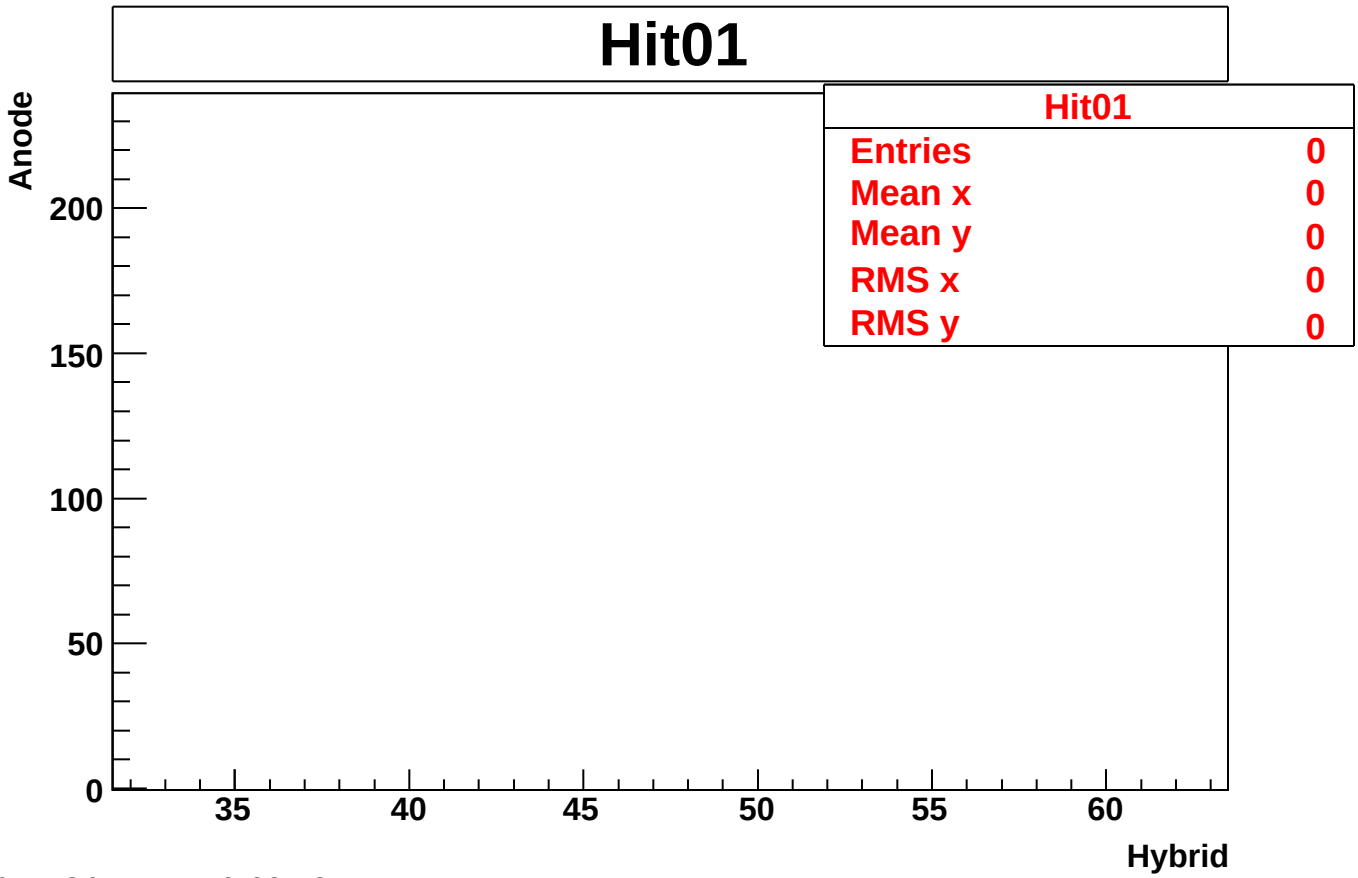
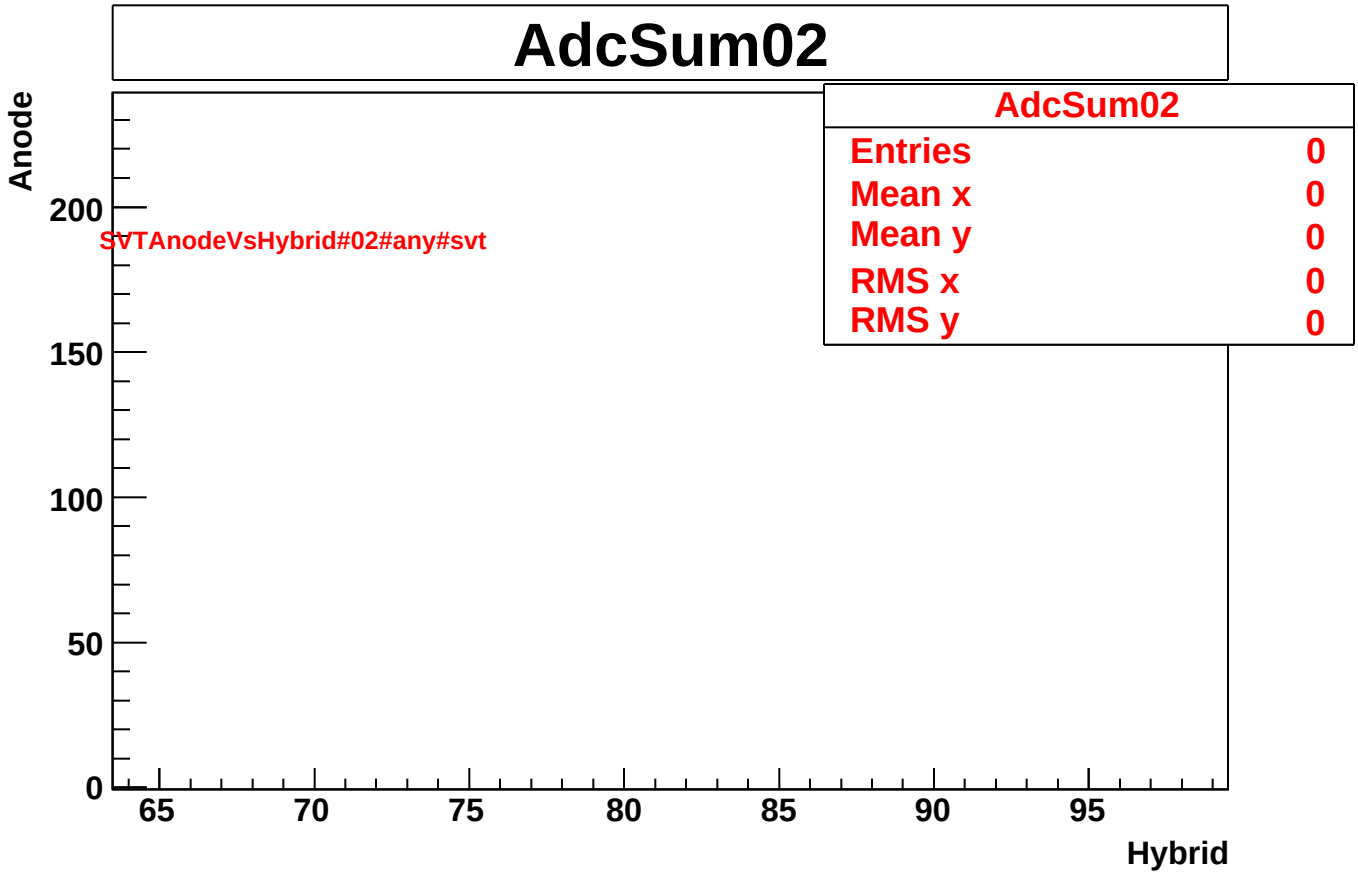
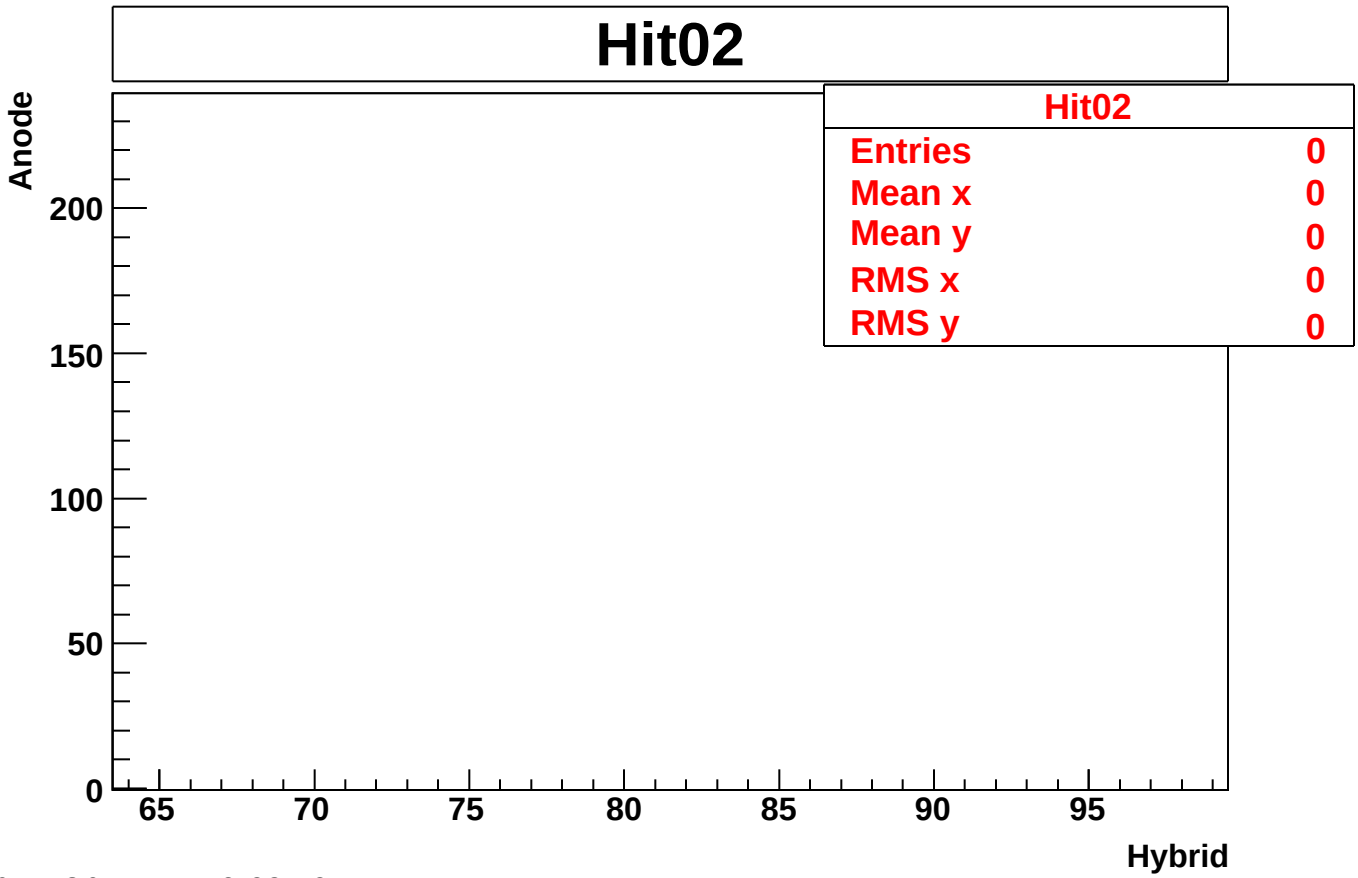
40
45
50
55
60
Hybrid


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


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


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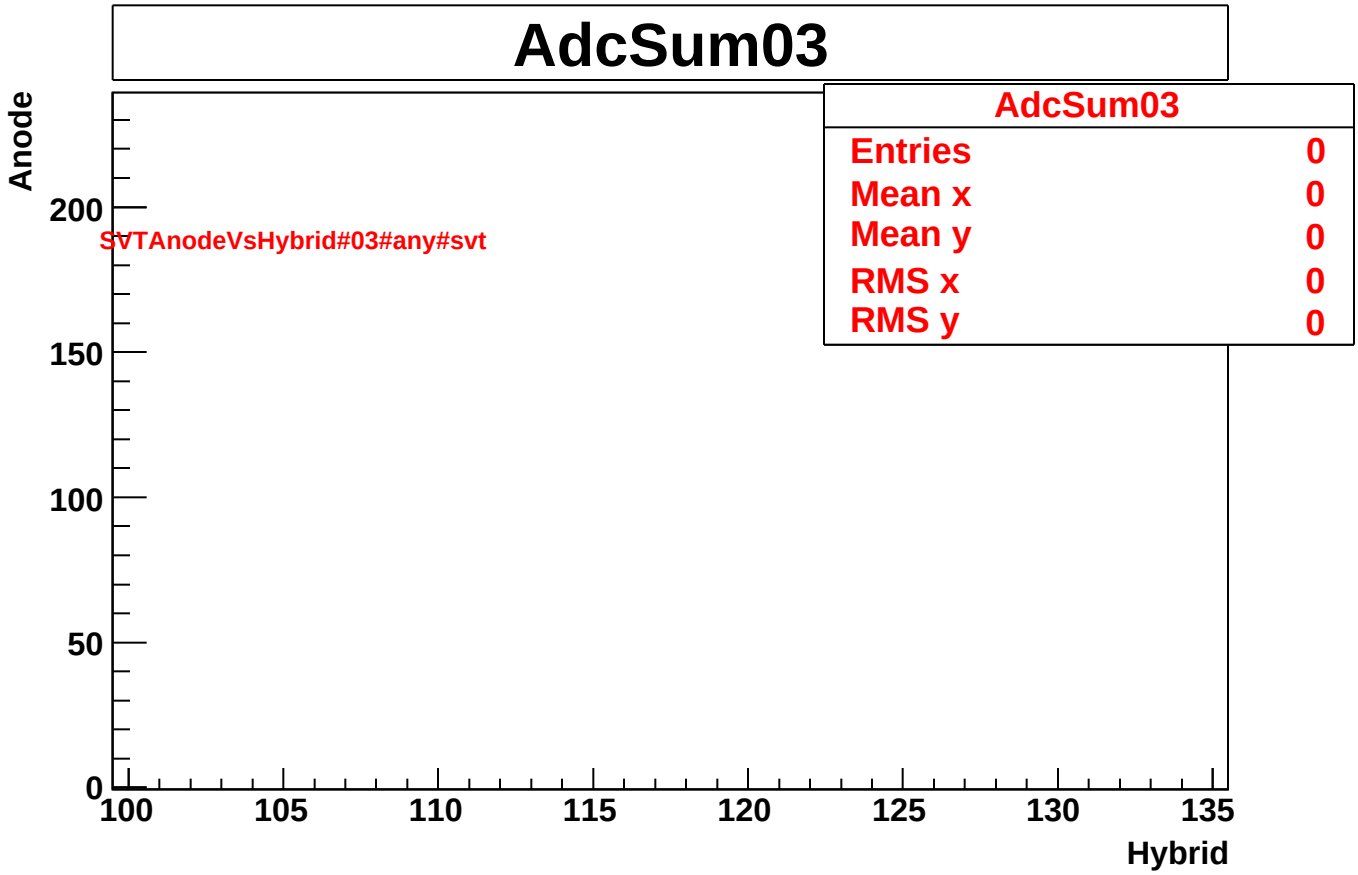
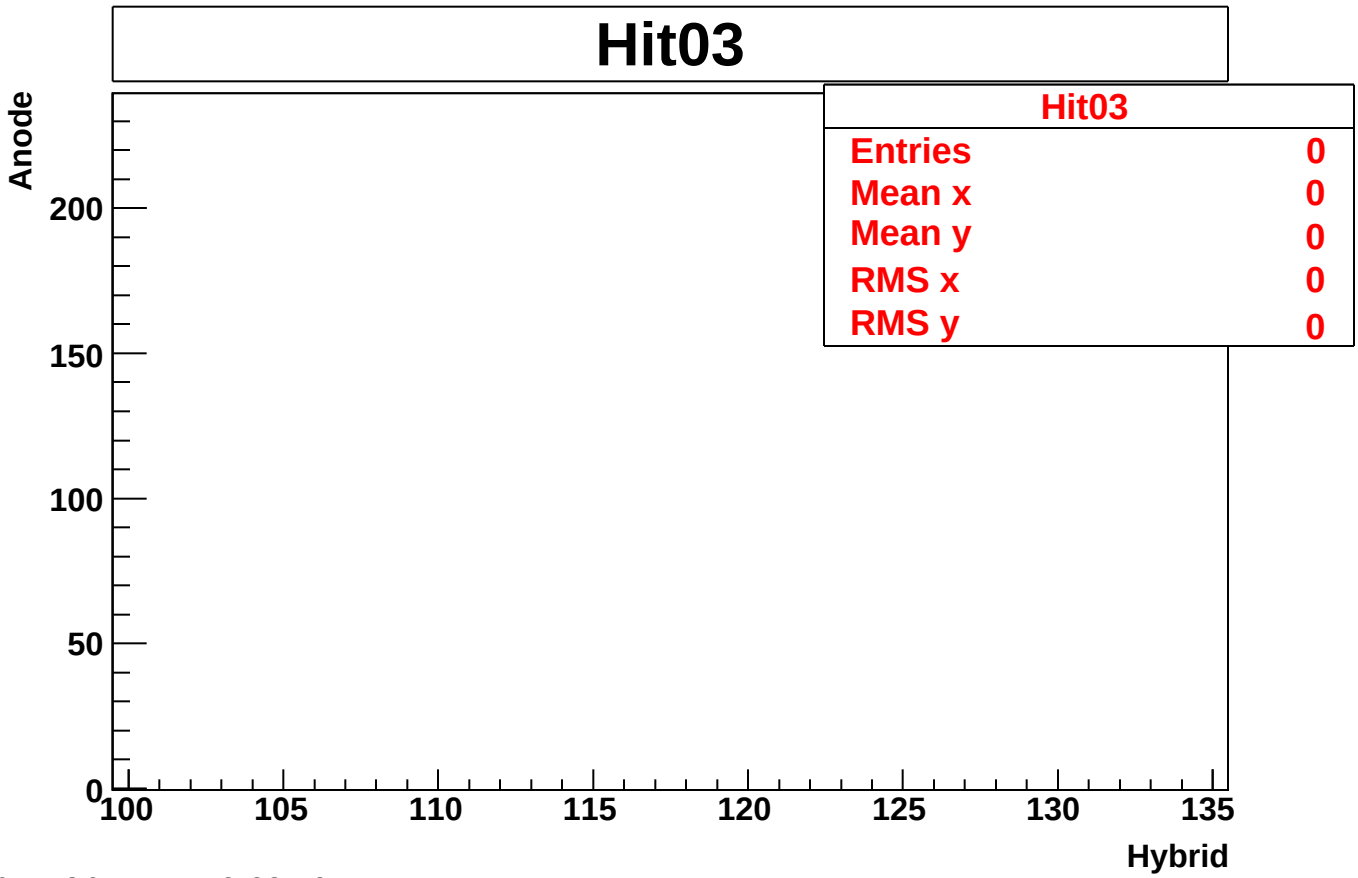
75
80
85
90
95
Hybrid


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


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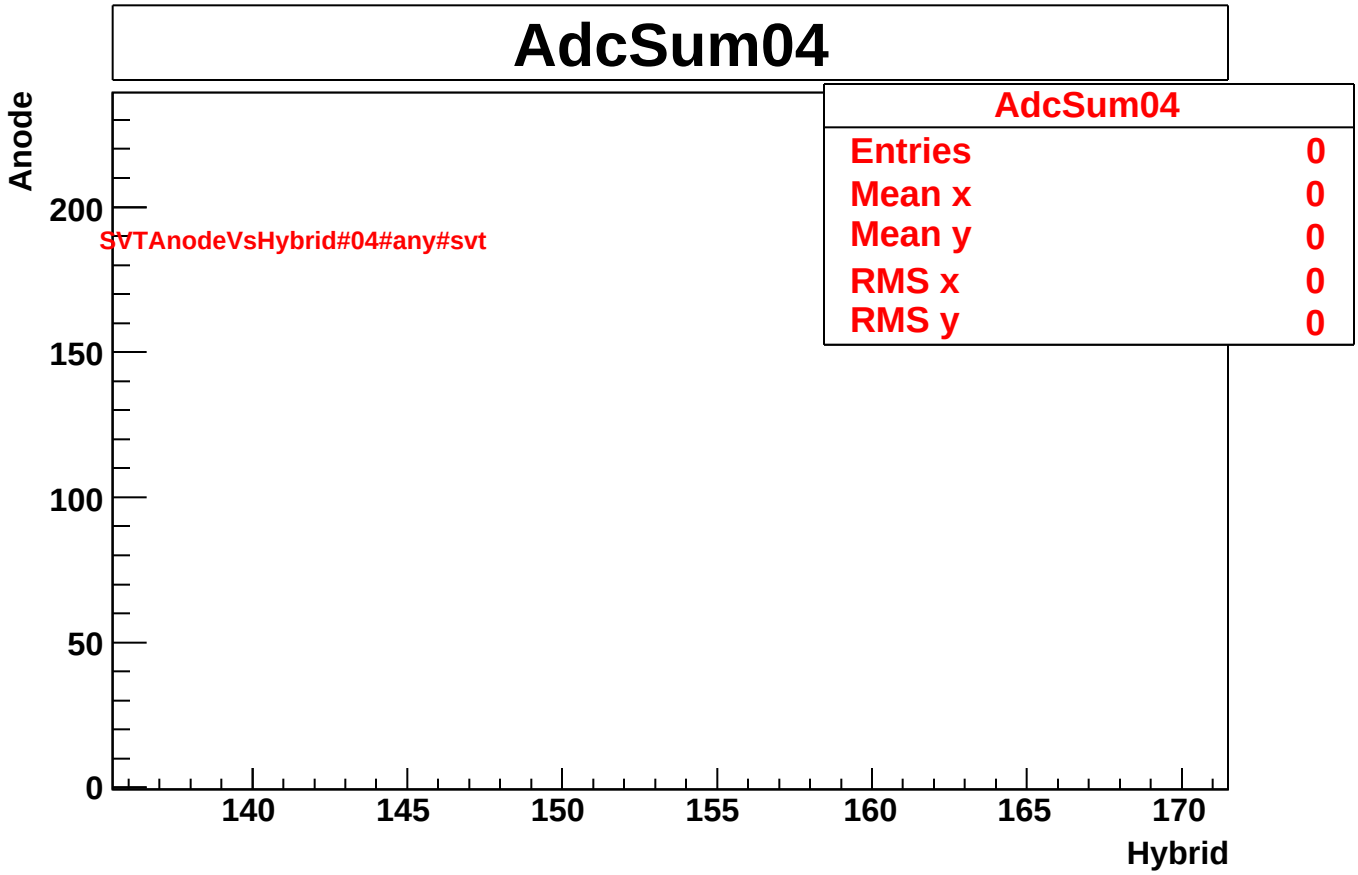
100
150
200
100
105
110
115
120
125
130
135
Hybrid


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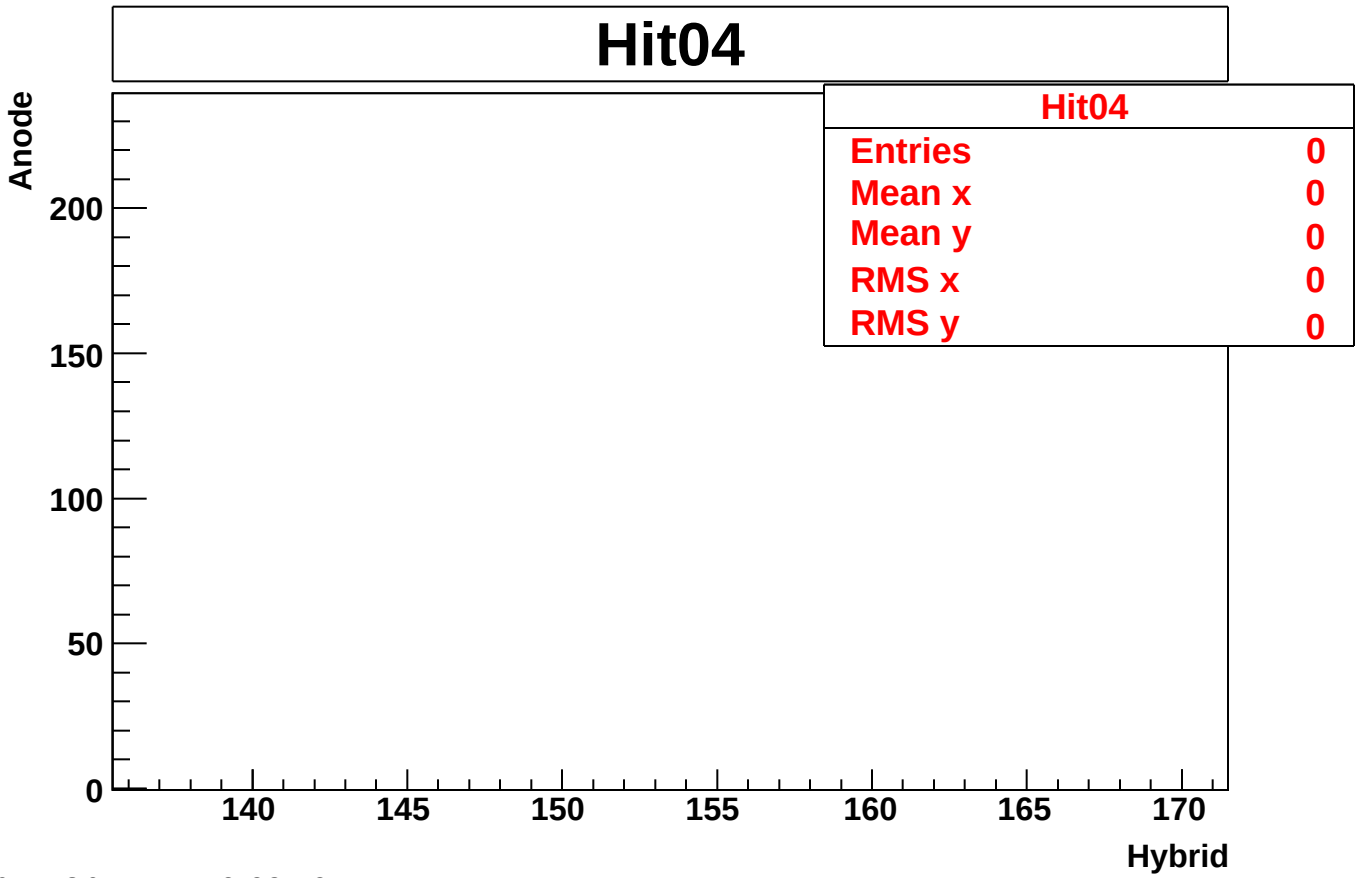
145
150
155
160
165
170
Hybrid


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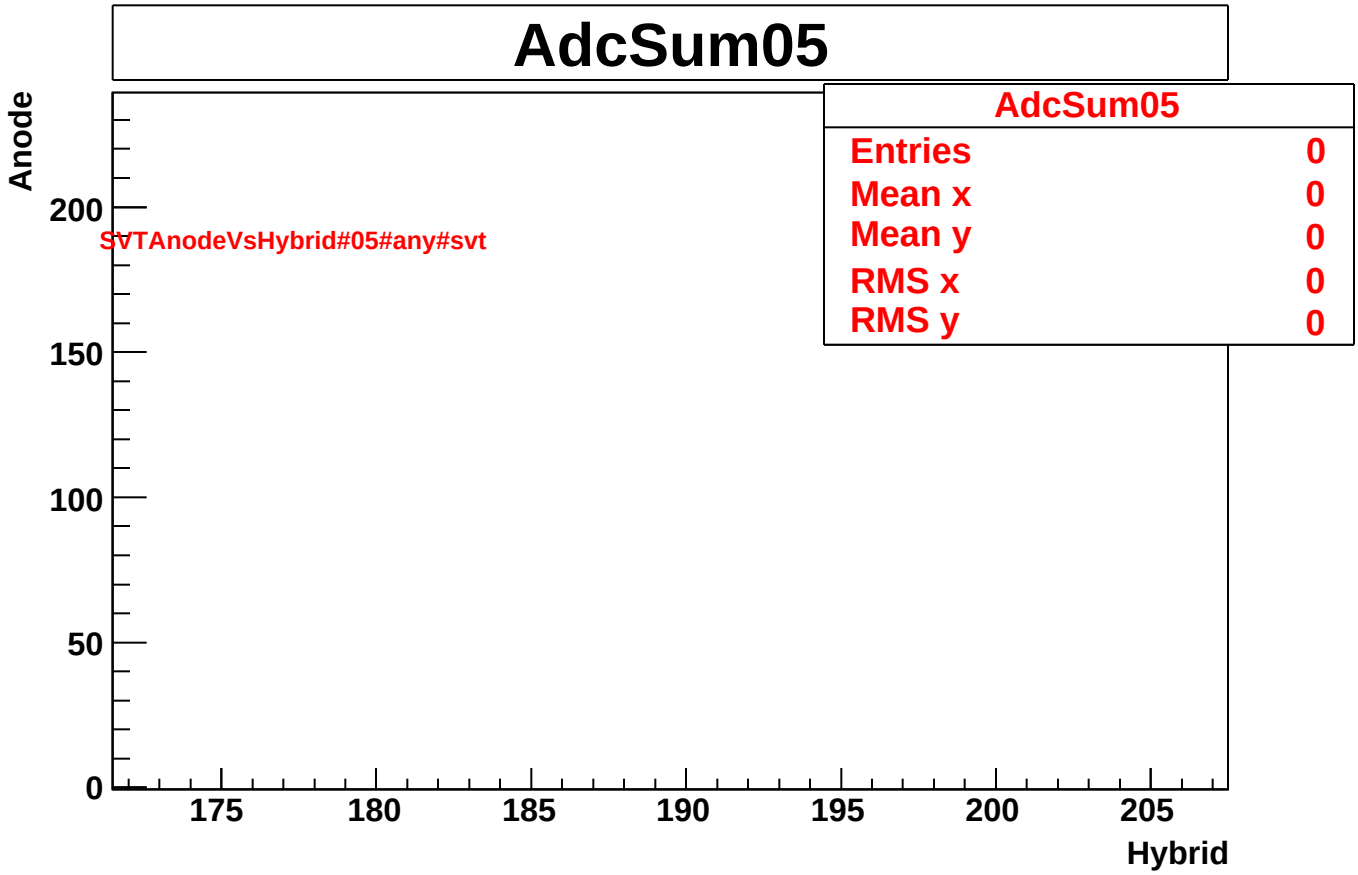
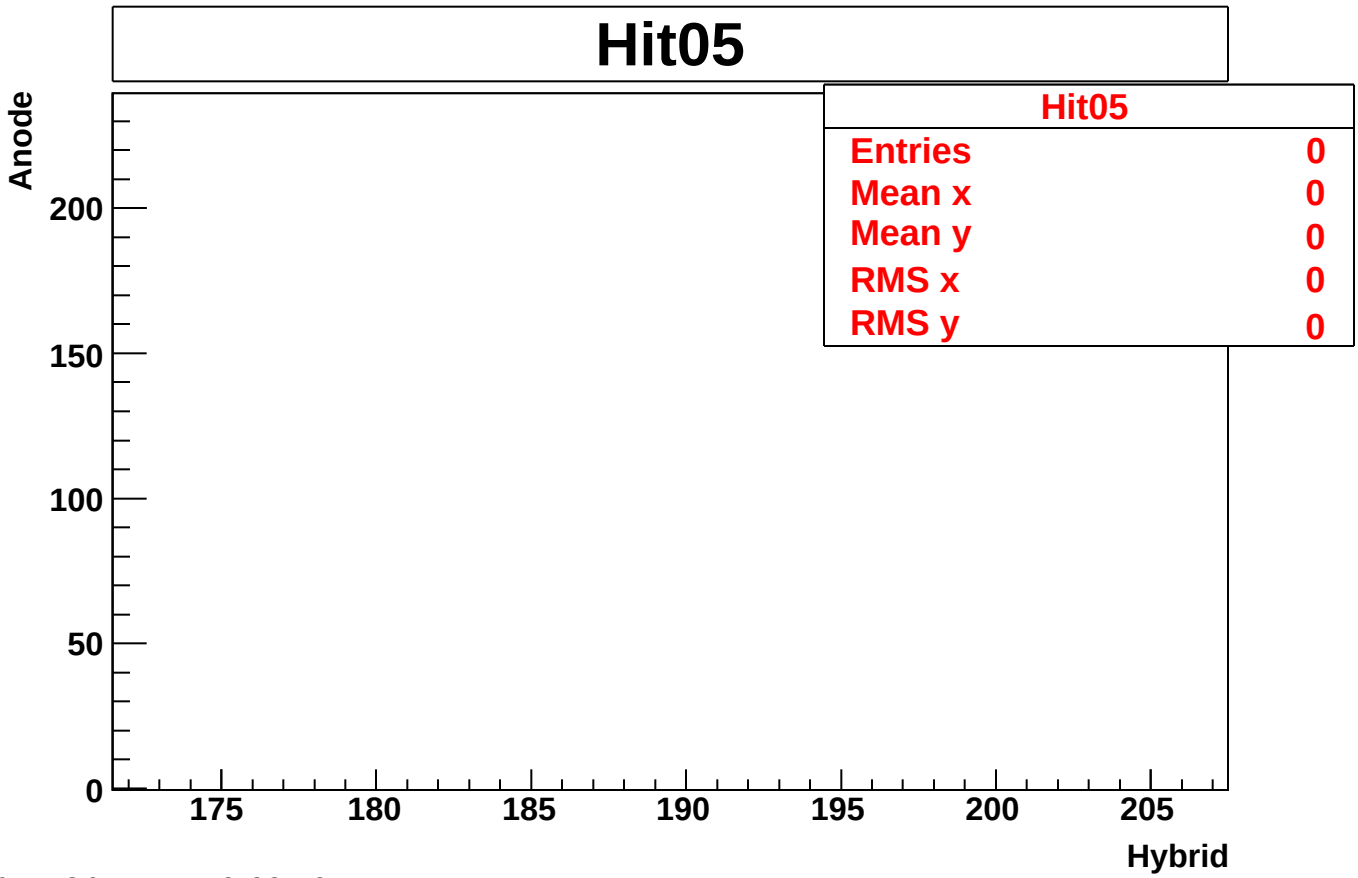
150
155
160
165
170
Hybrid


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


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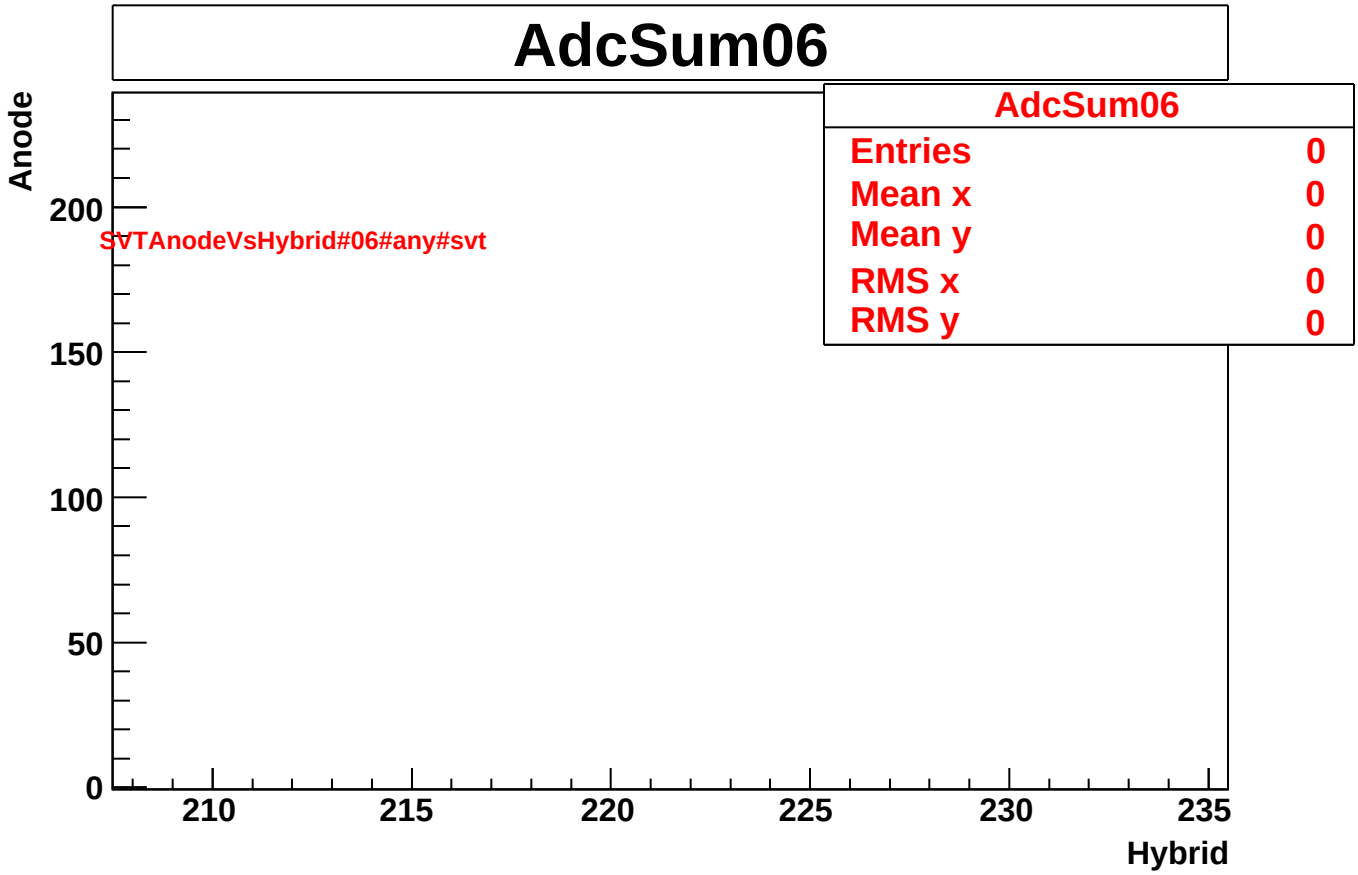
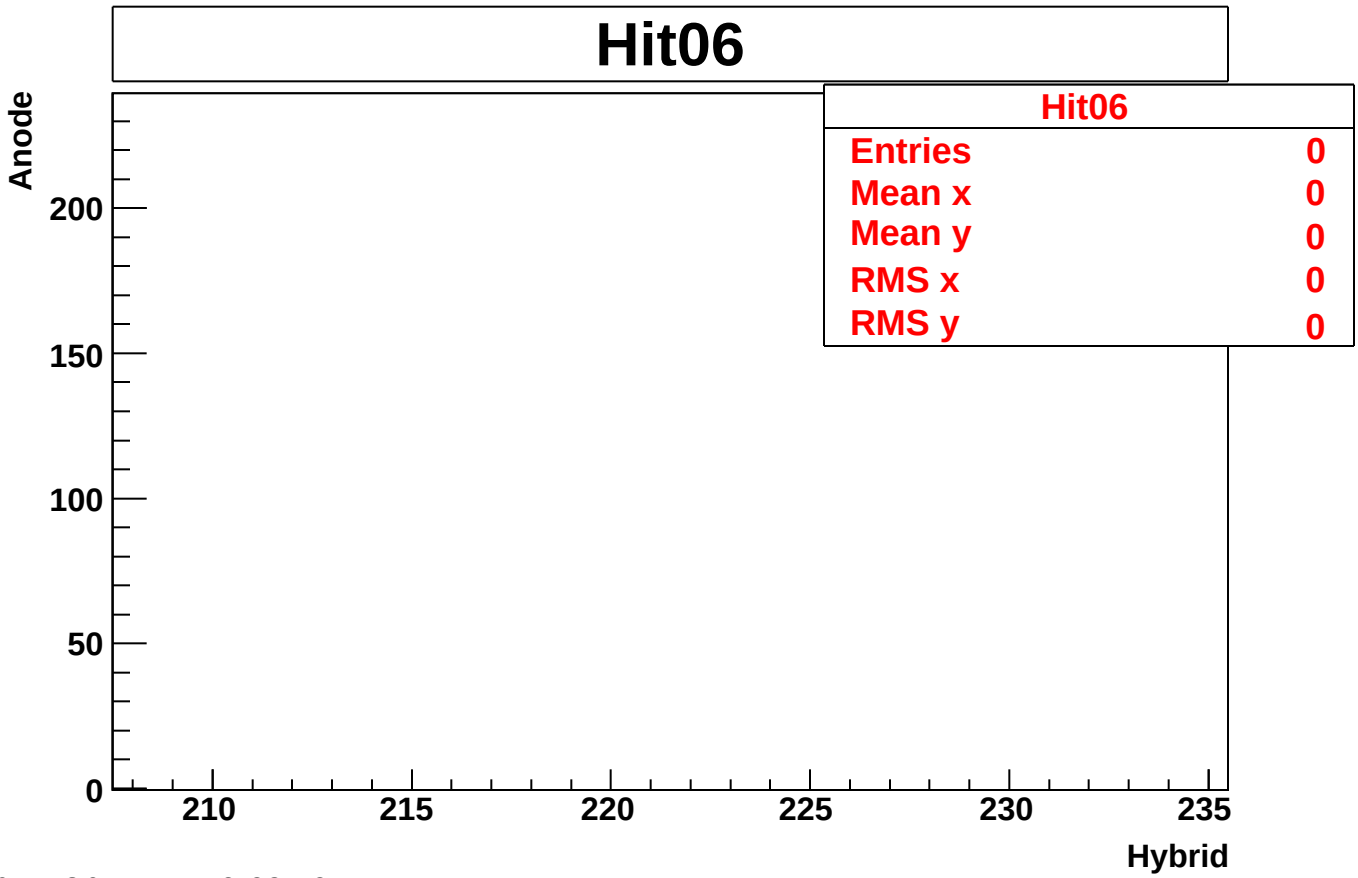
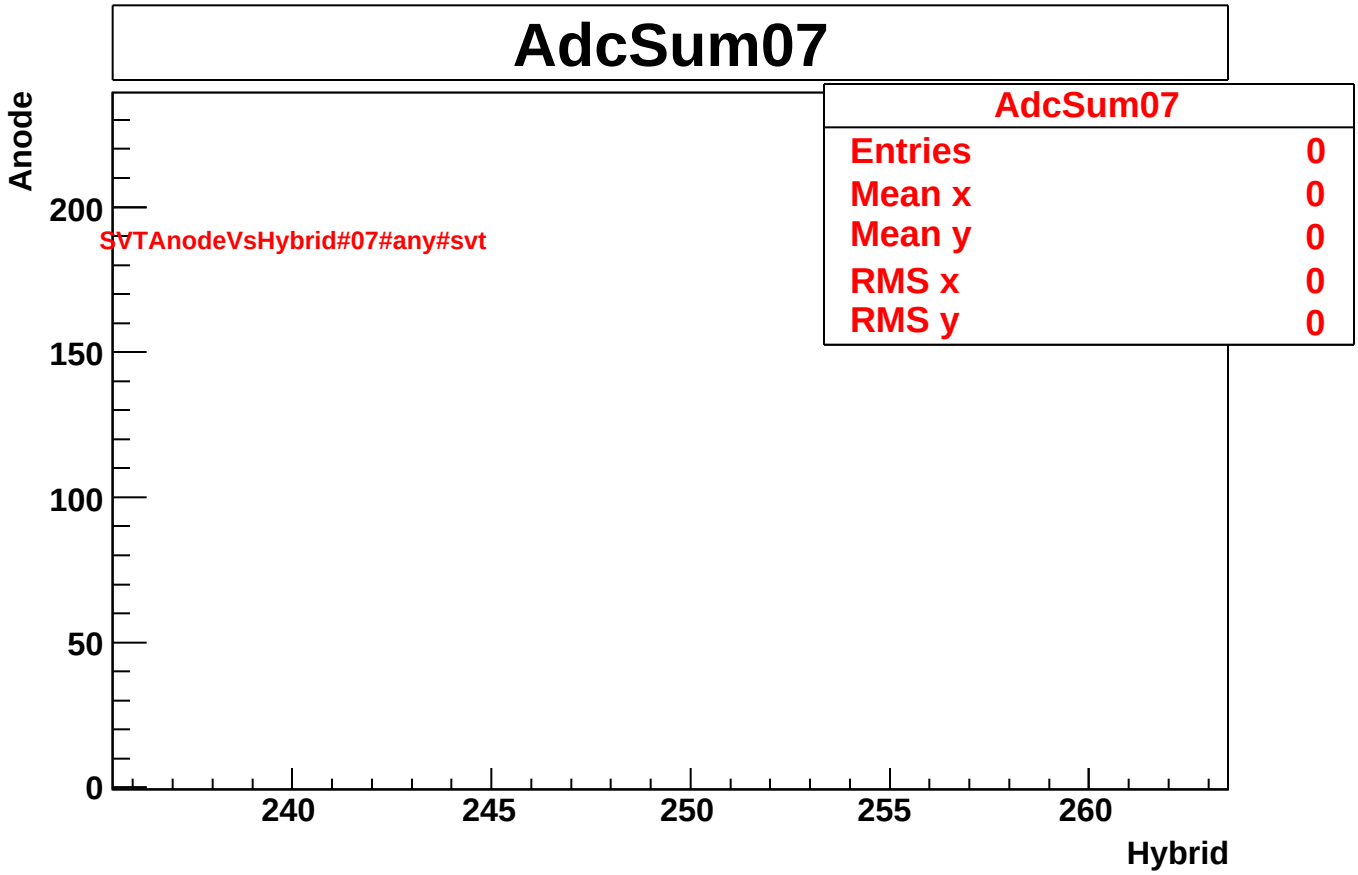
185
190
195
200
205
Hybrid


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


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


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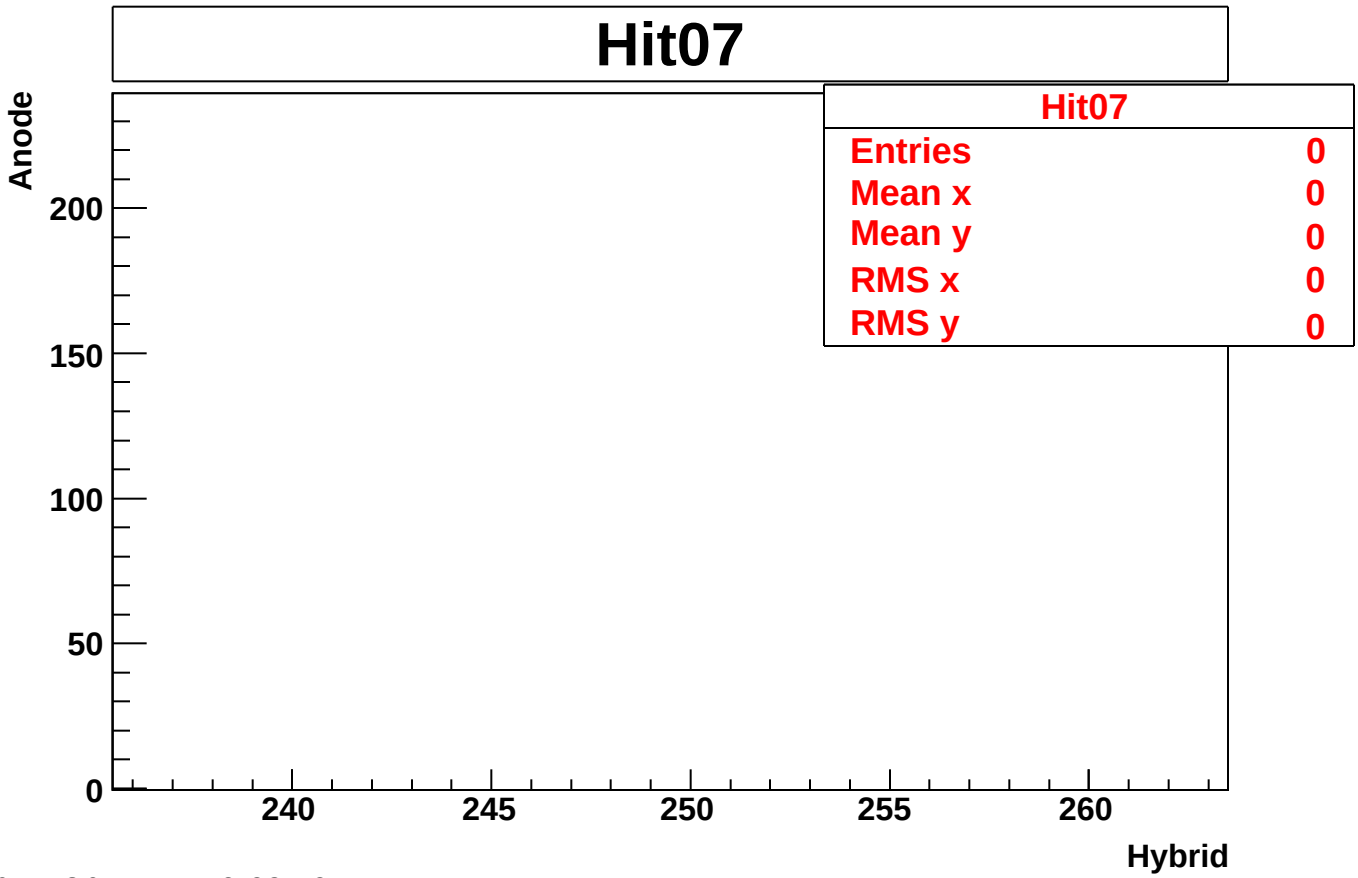
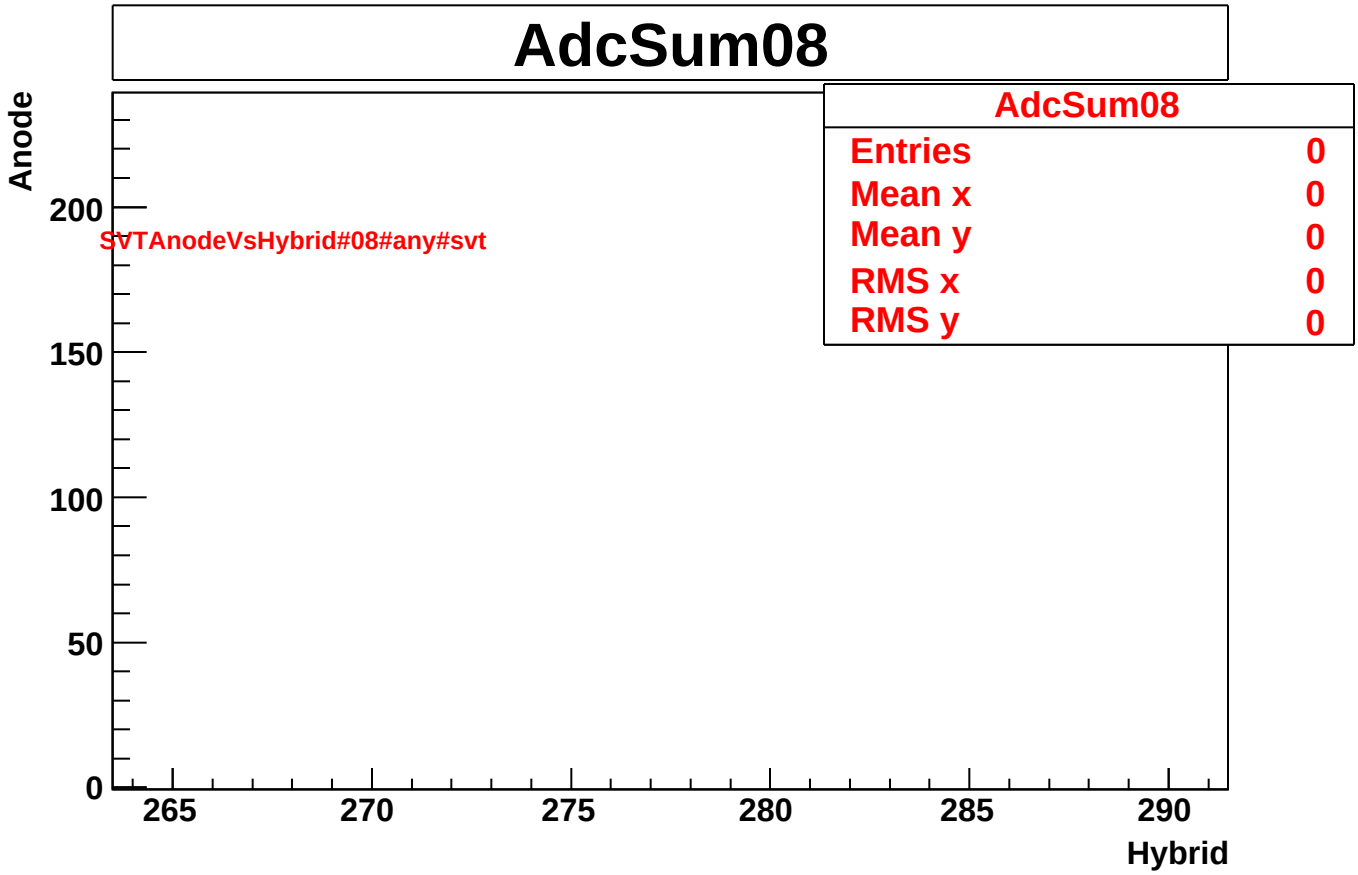
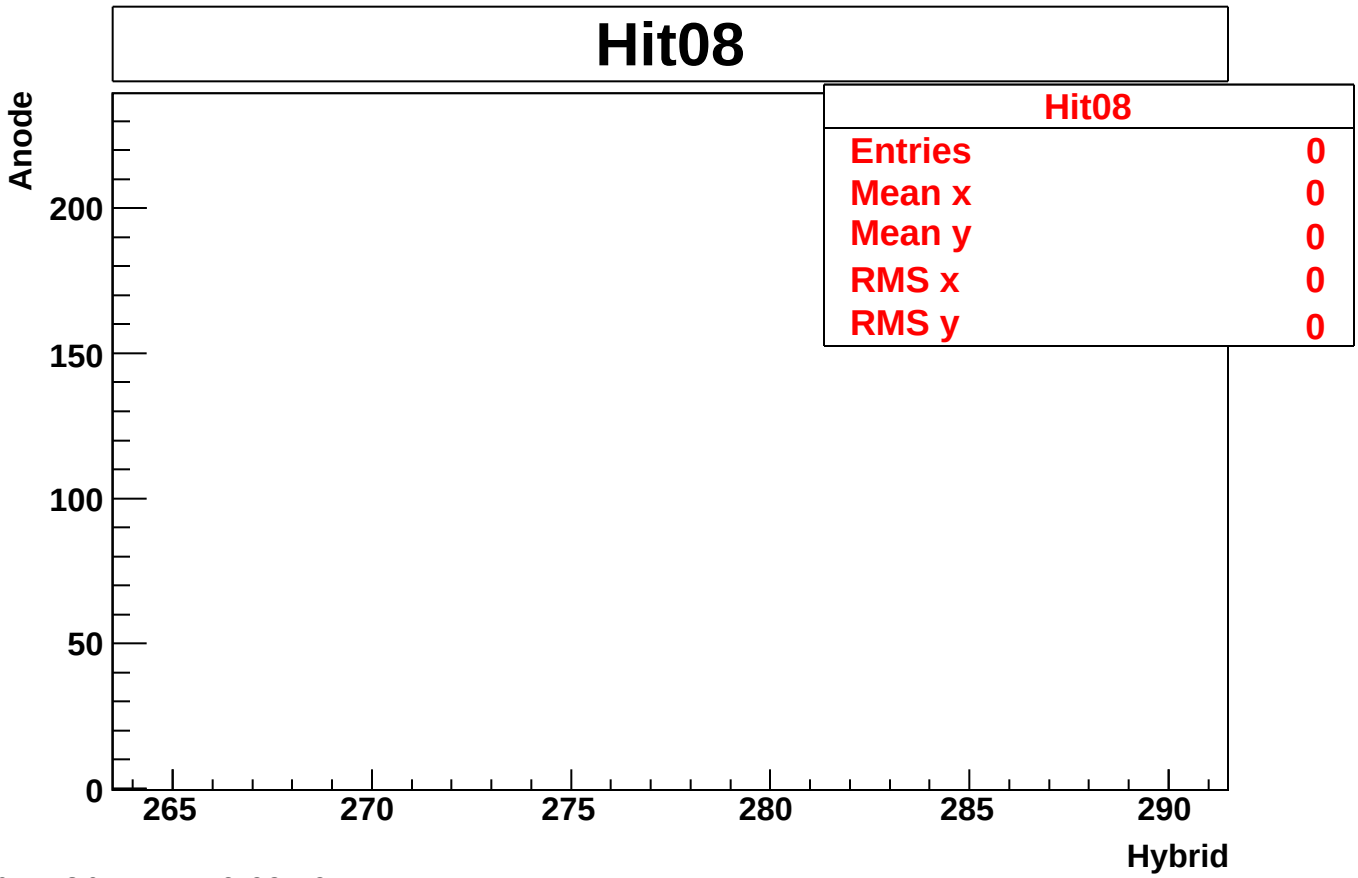
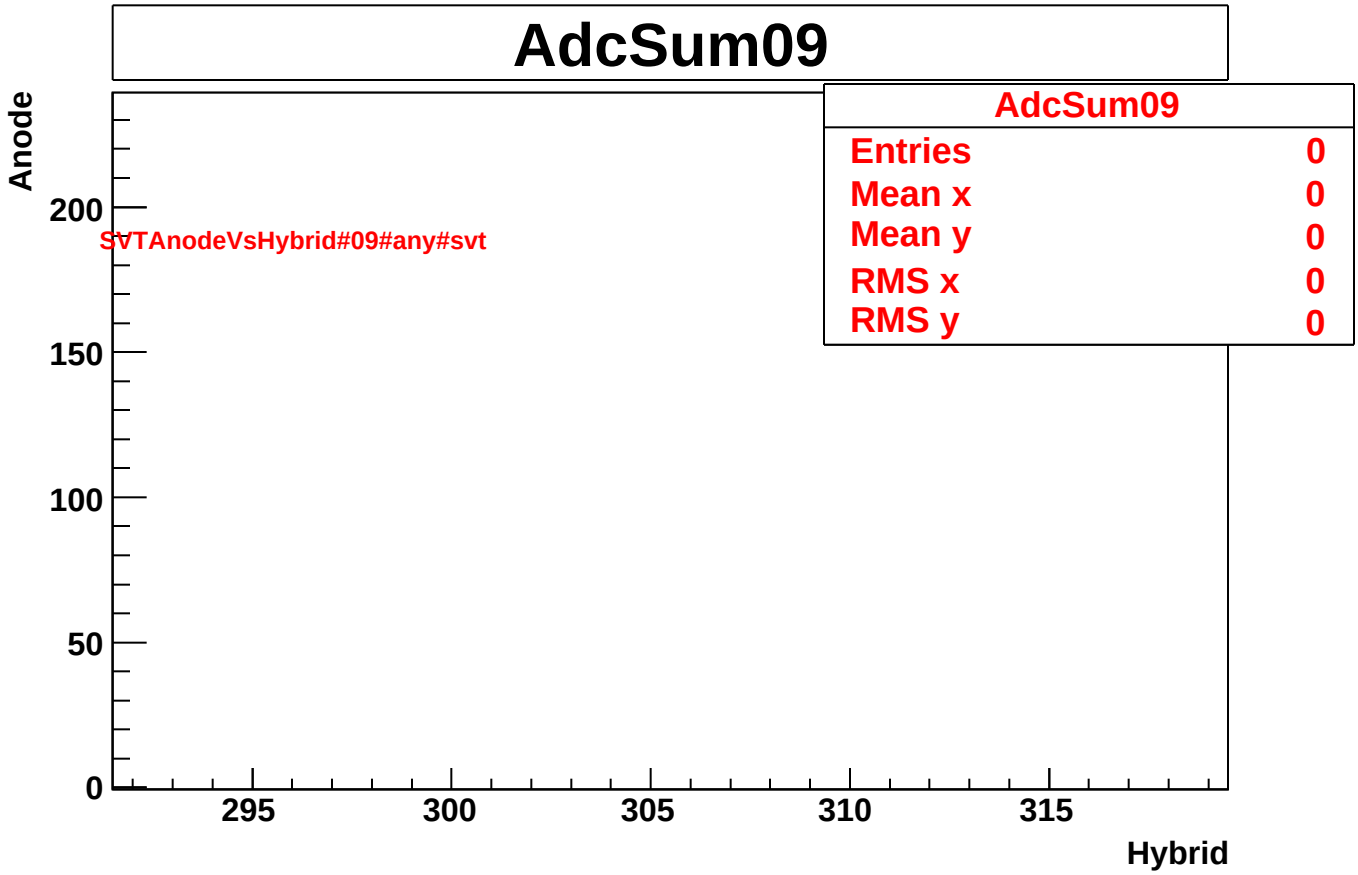
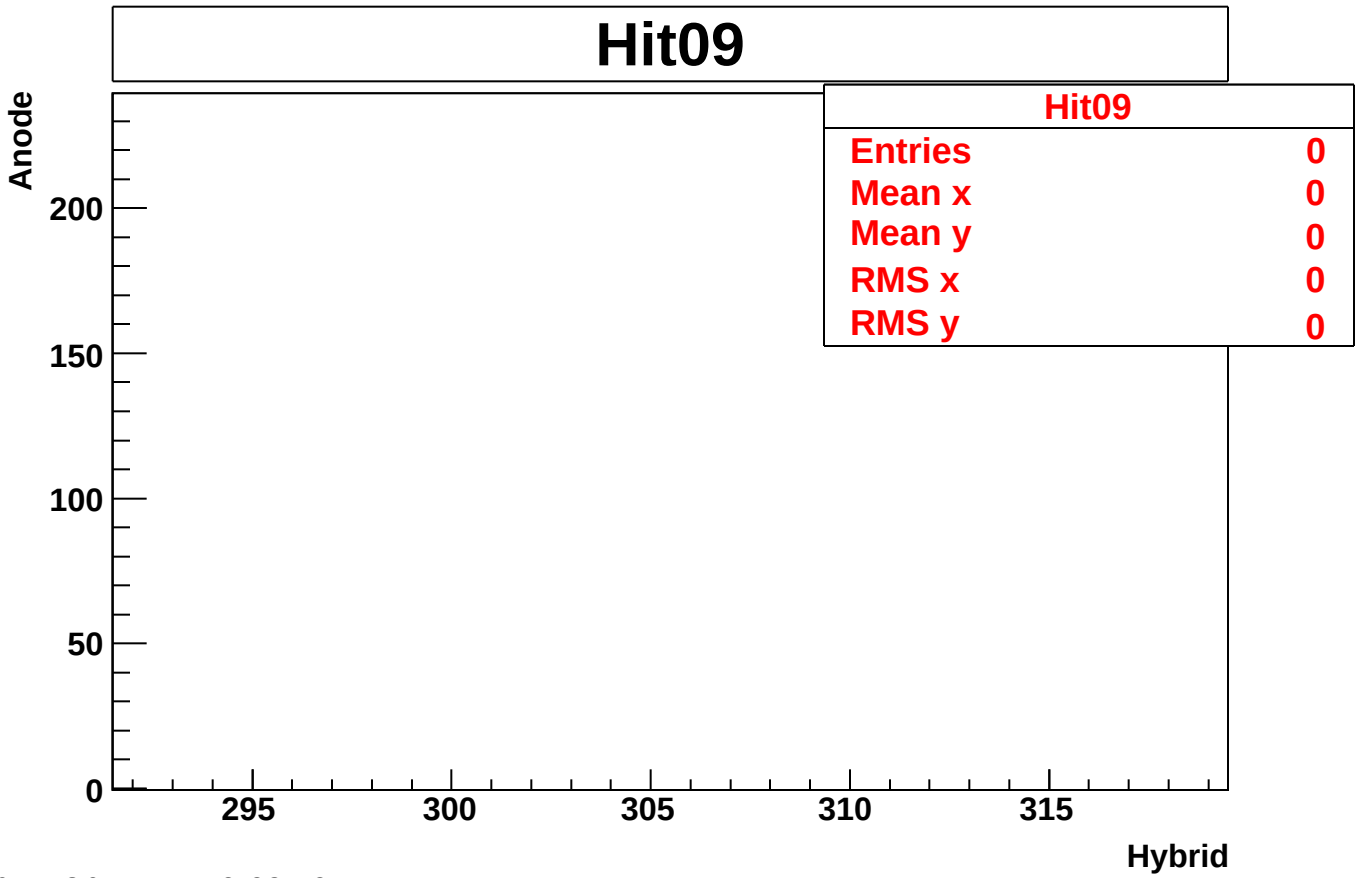
240
245
250
255
260
Hybrid

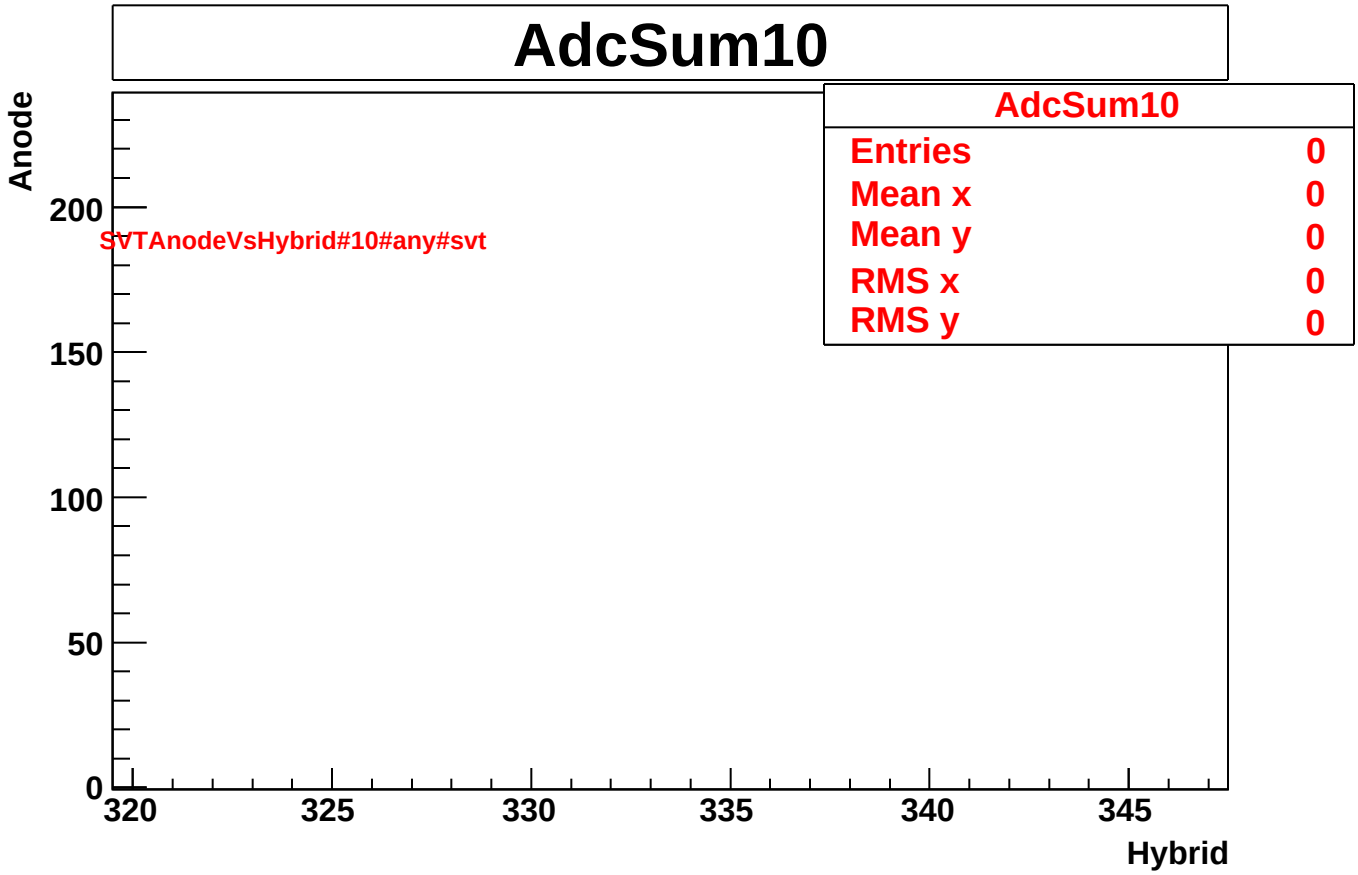

Hit07
Hit07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

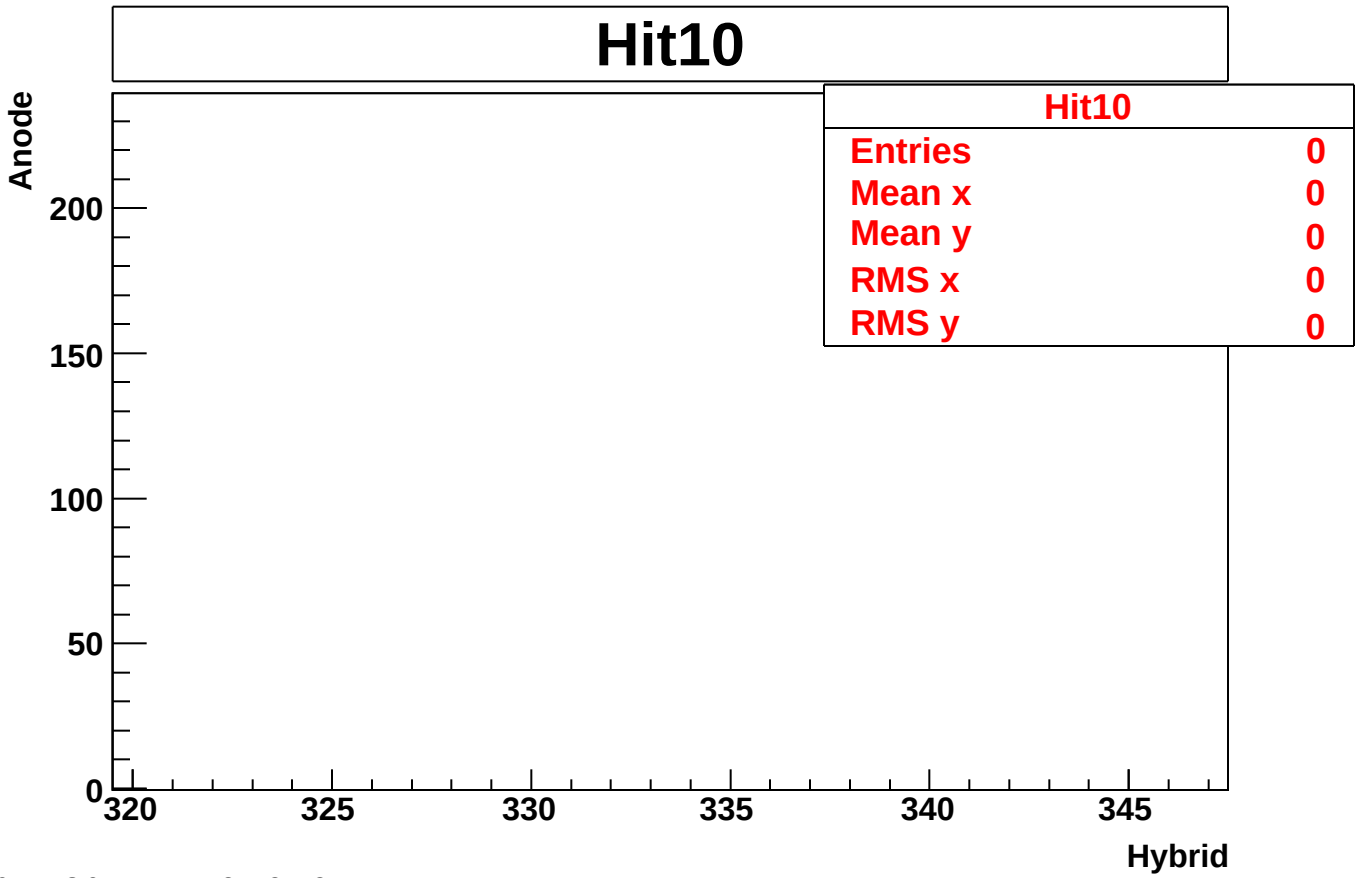

AdcSum08
AdcSum08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#08#any#svt
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

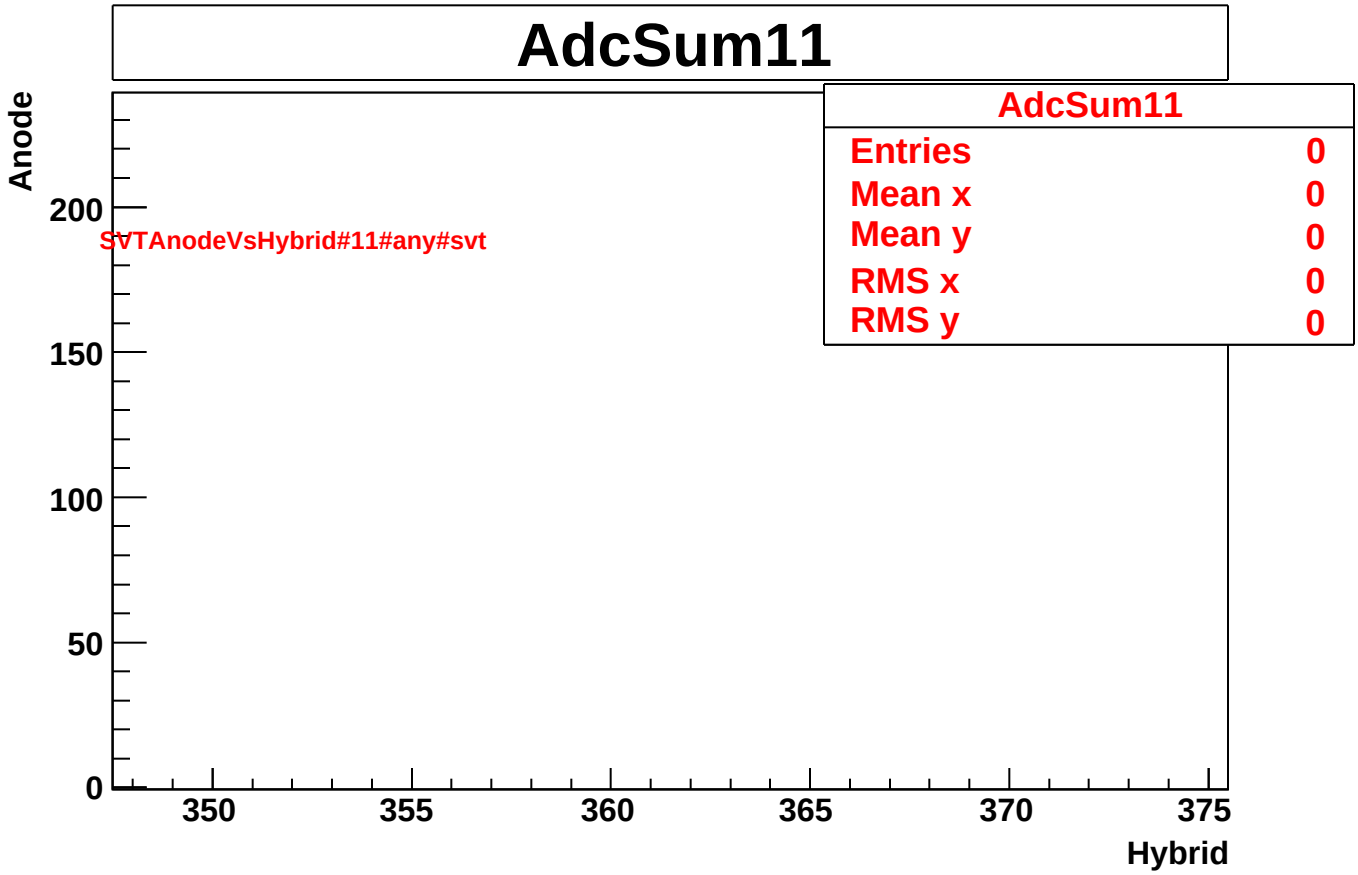

Hit08
Hit08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid


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


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


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


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


AdcSum11
AdcSum11
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#11#any#svt
Anode
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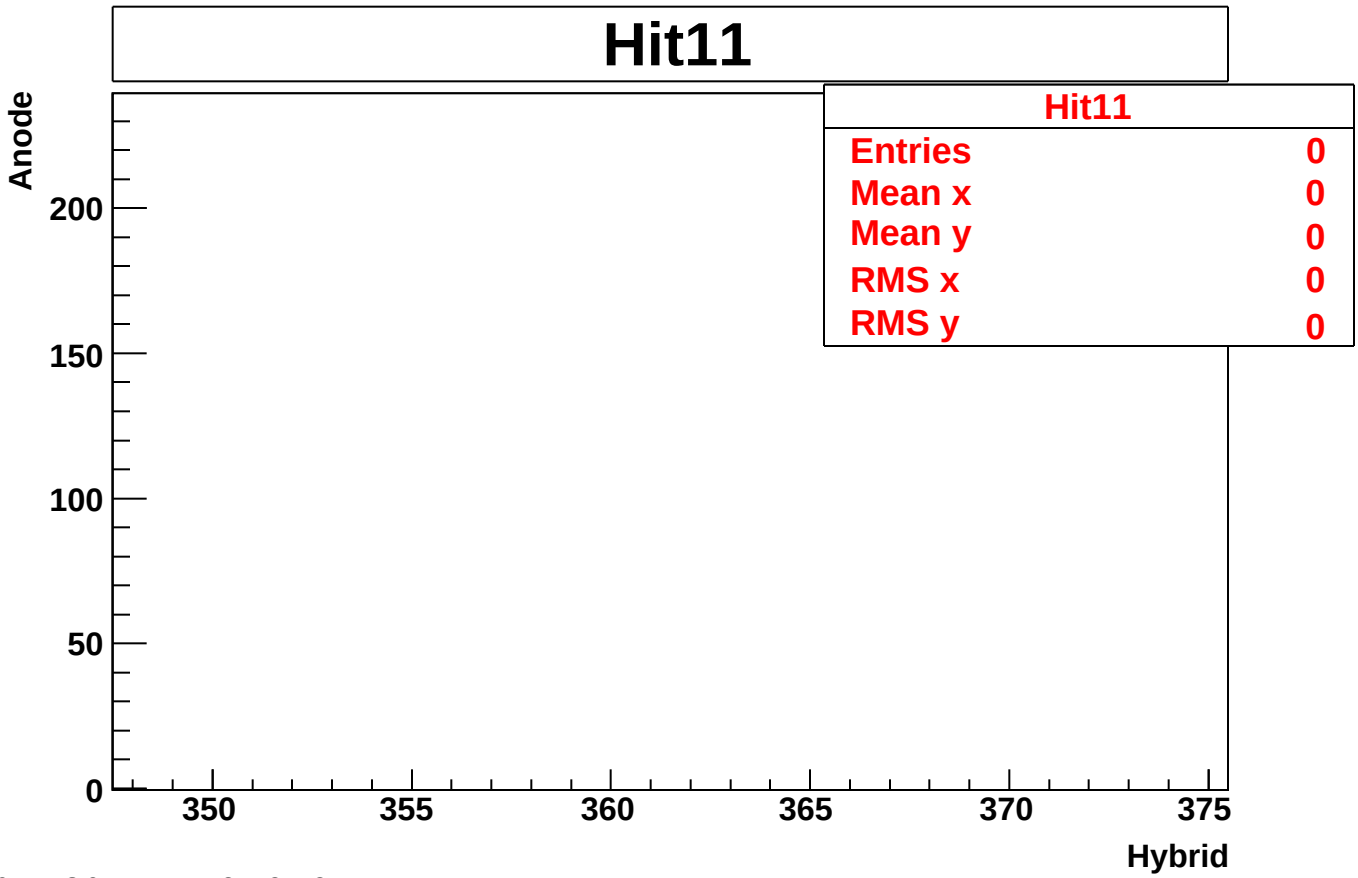
355
360
365
370
375
Hybrid


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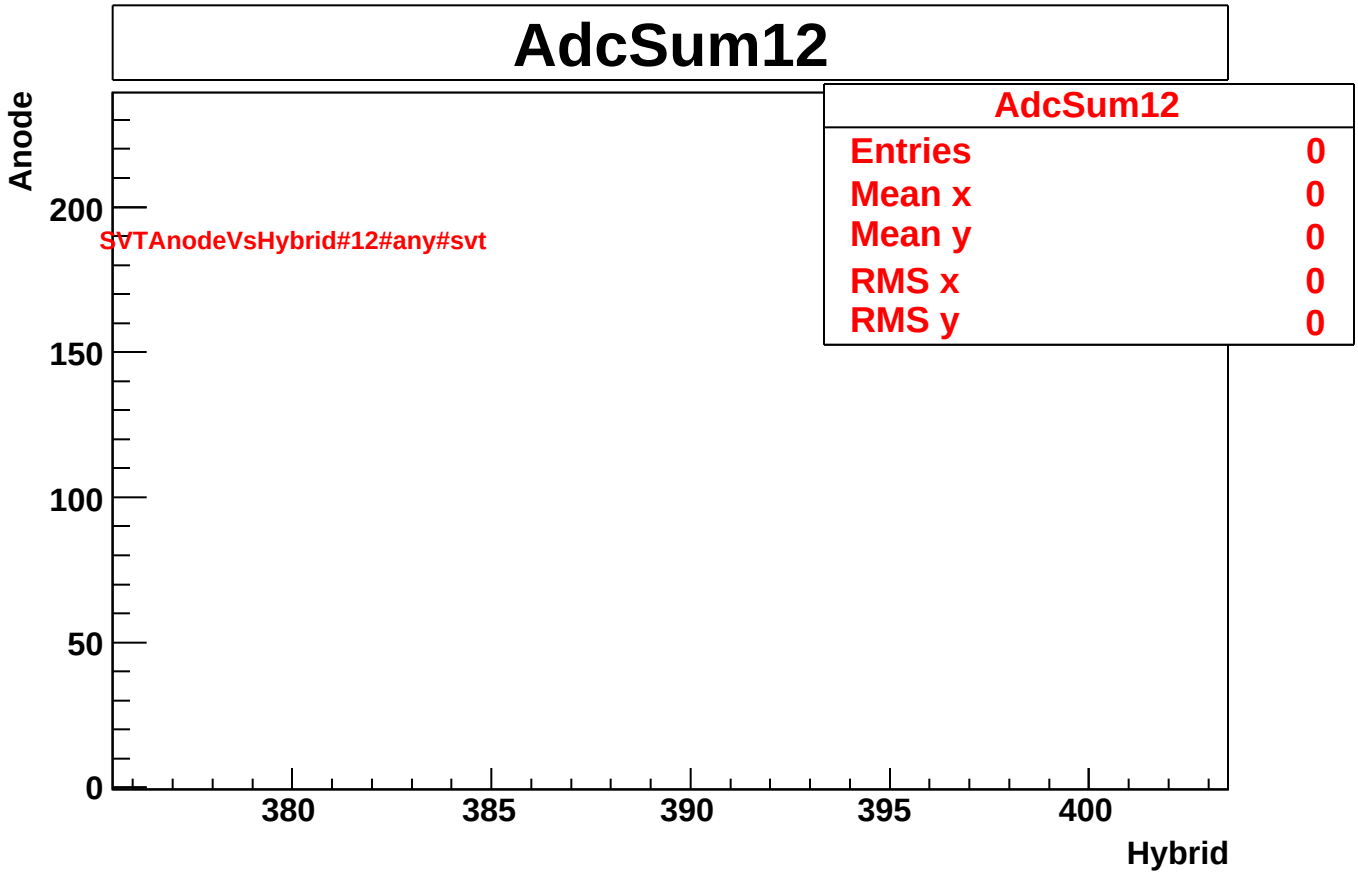
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
350
355
360
365
370
375
Hybrid


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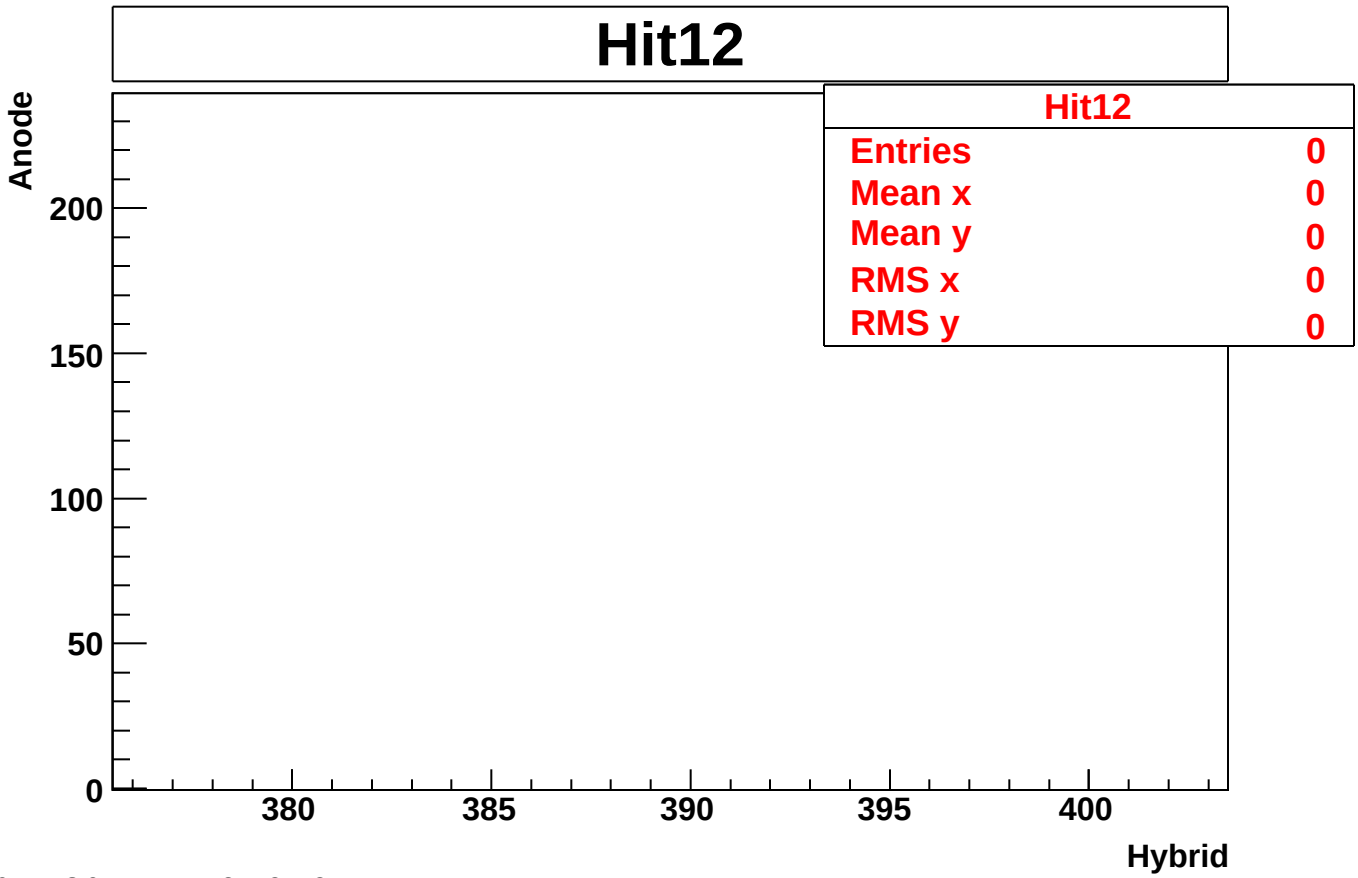
380
385
390
395
400
Hybrid


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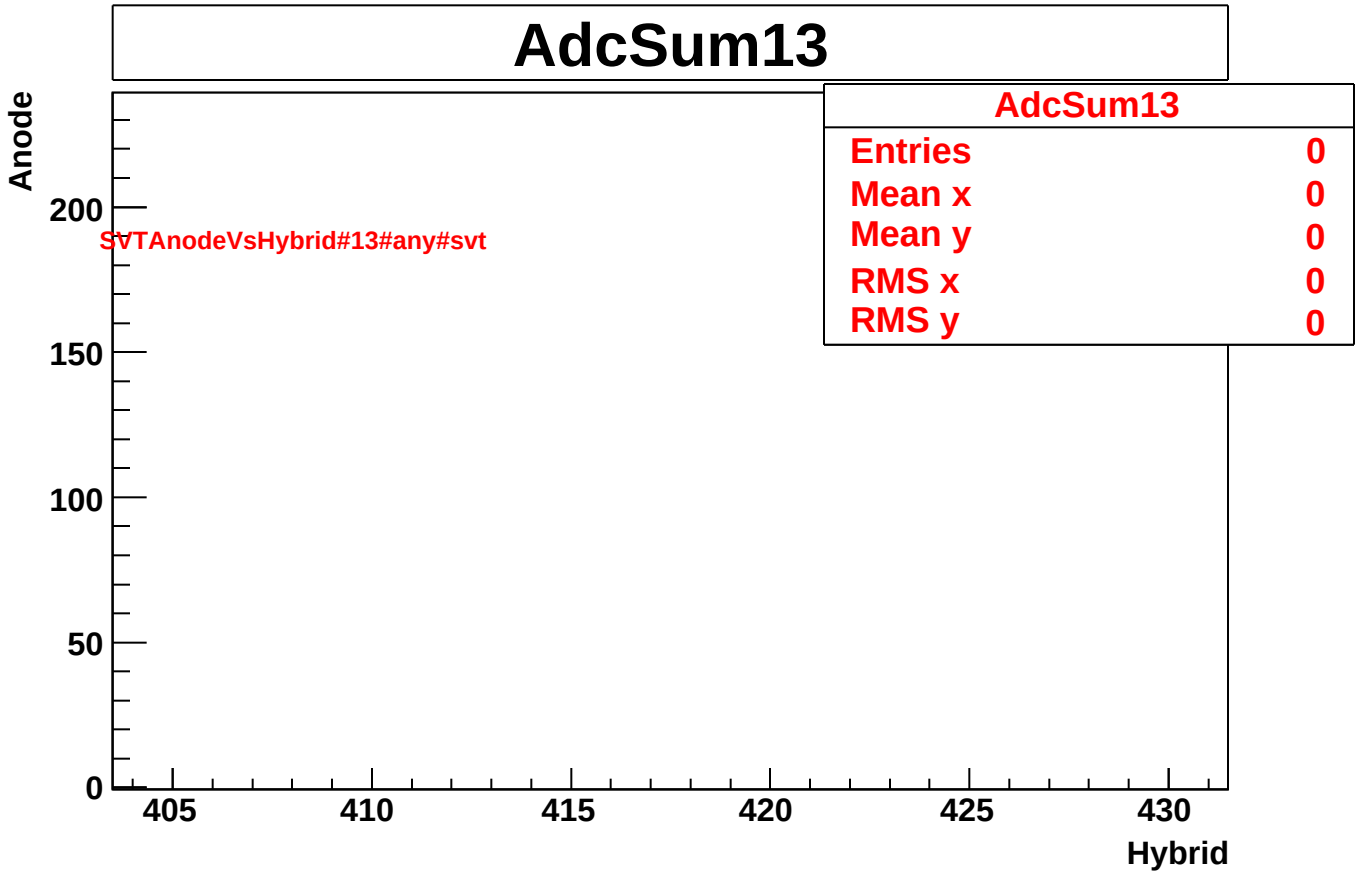
100
50
0
380
385
390
395
400
Hybrid


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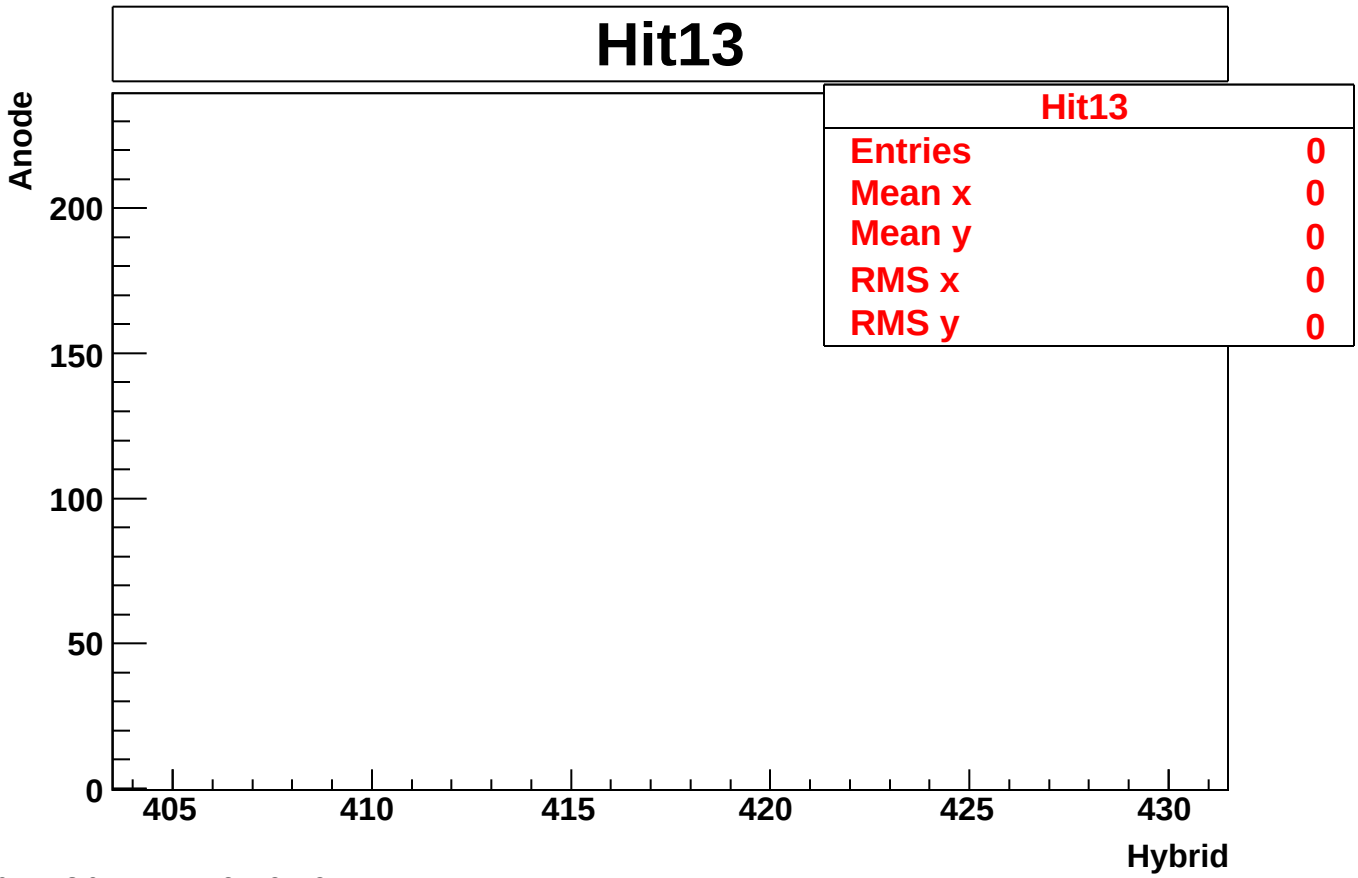
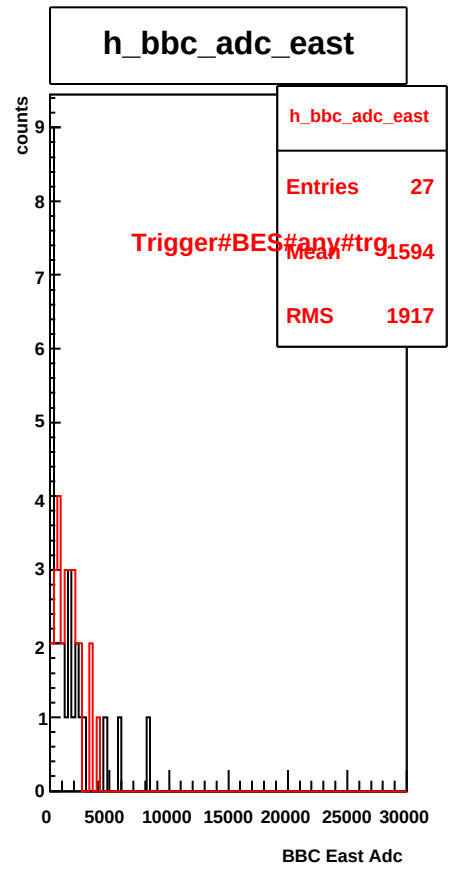
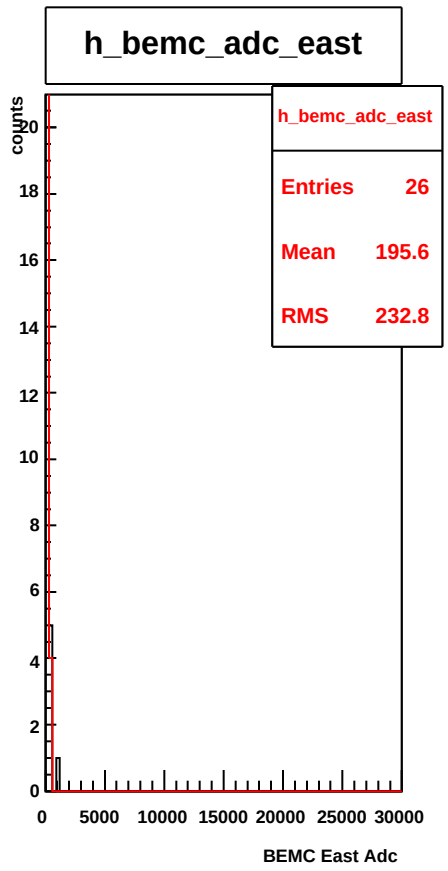
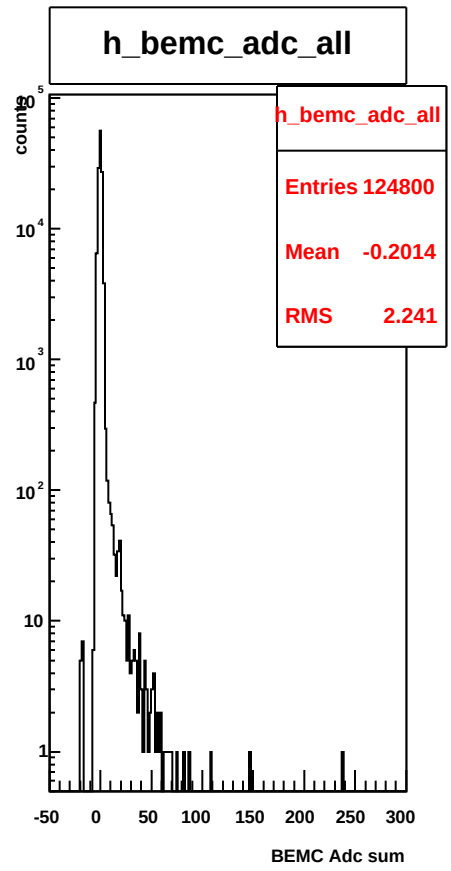
405
410
415
420
425
430
Hybrid

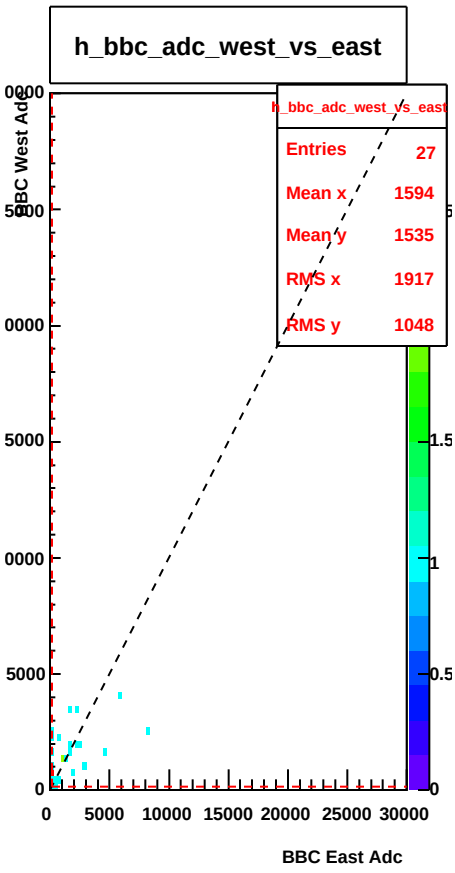

Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

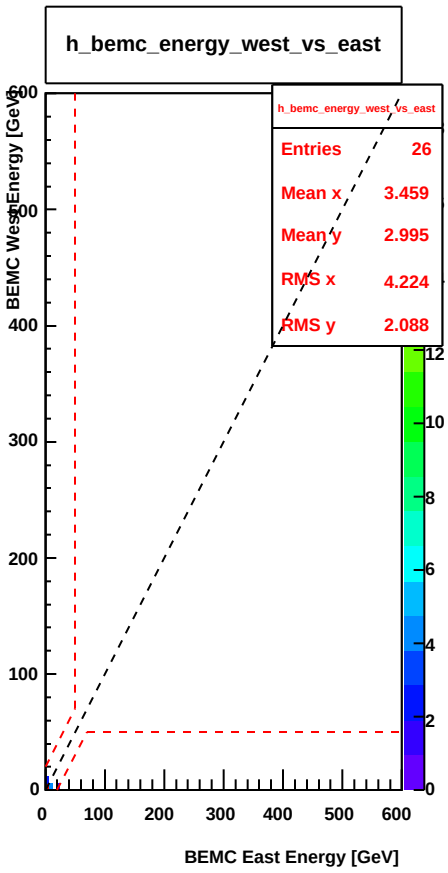
Ssd#Pedestal#pedestal#ssd

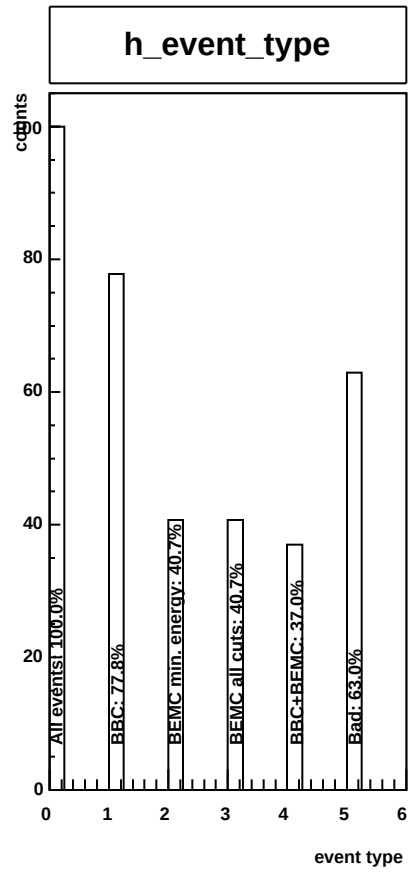

h_bbc_adc_east
h_bbc_adc_east
Entries 27
Mean 1594
RMS 1917
Trigger#BES#any#trg
counts
BBC East Adc

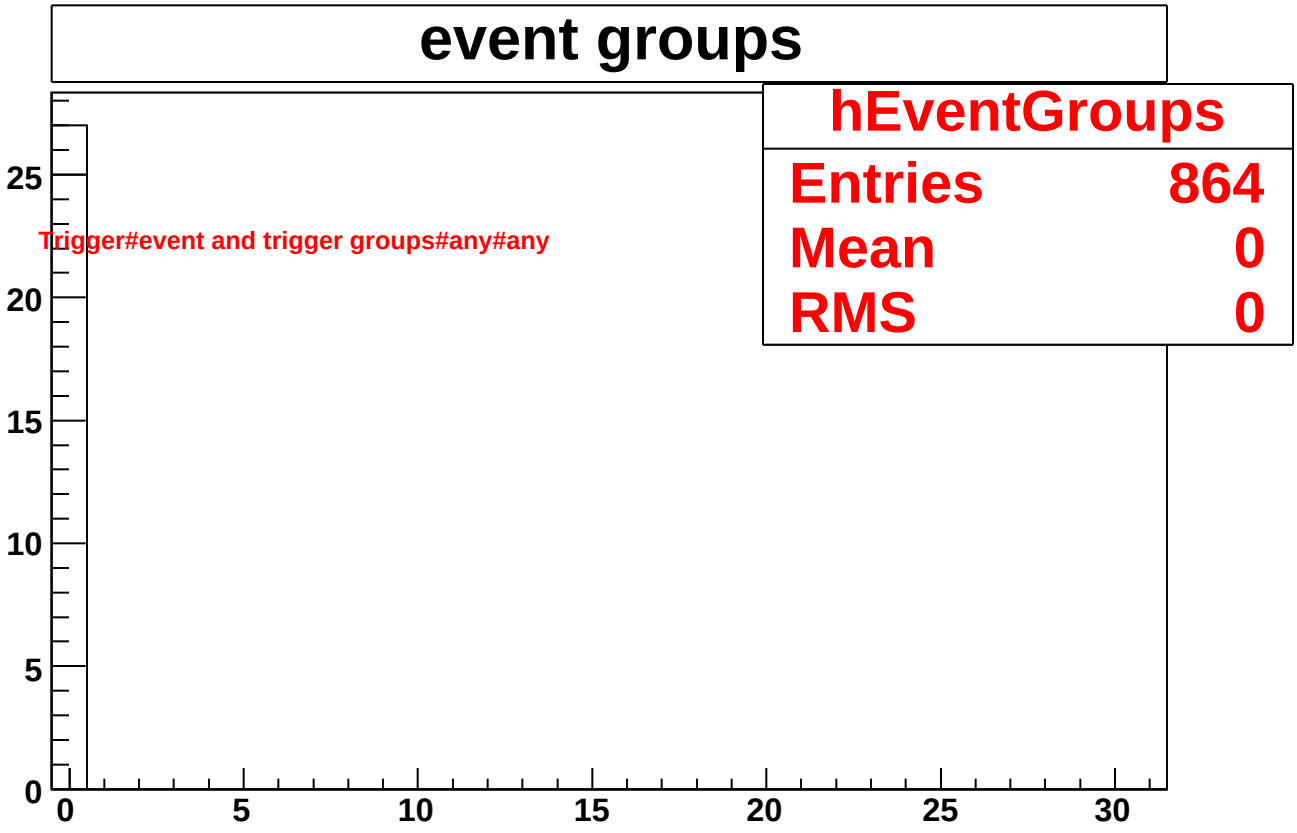

h_bemc_adc_east
h_bemc_adc_east
Entries 26
Mean 195.6
RMS 232.8
counts
BEMC East Adc

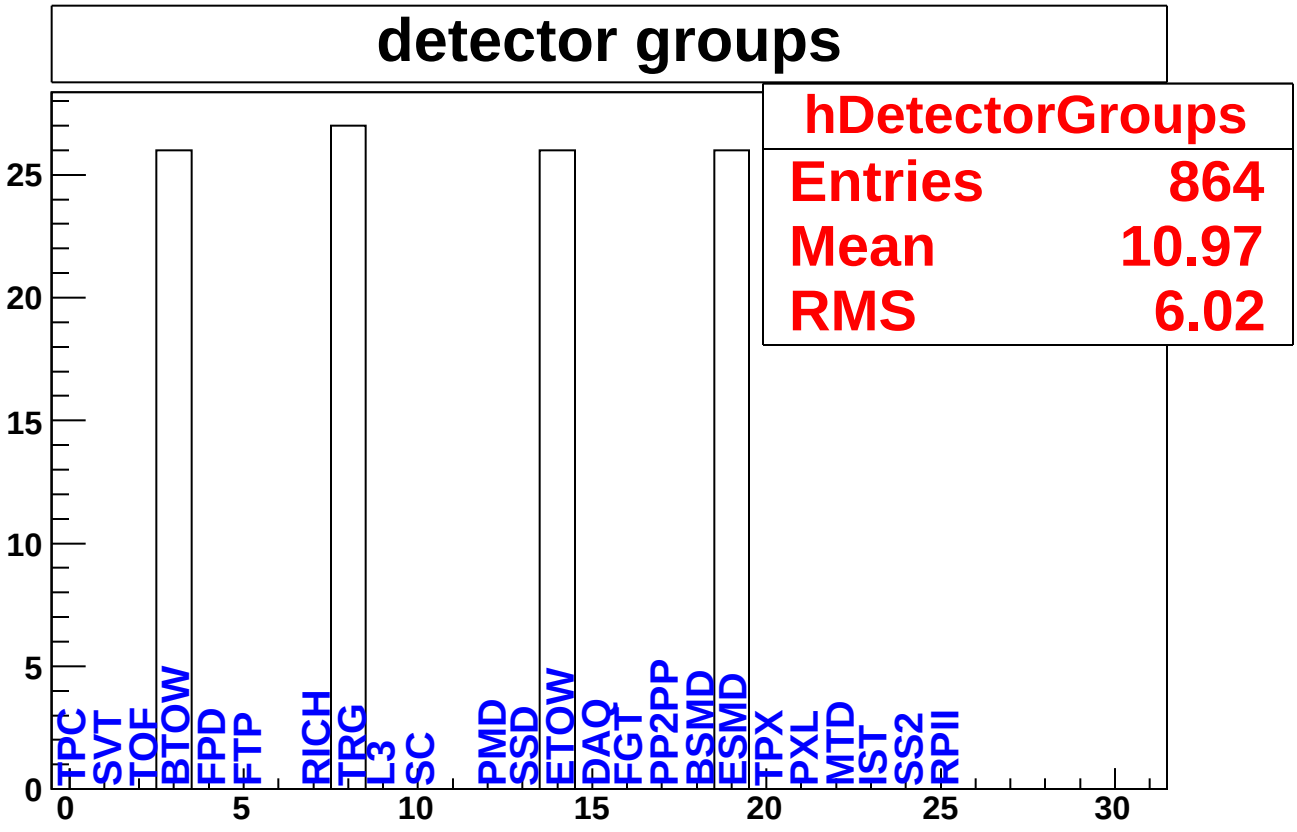

h_bemc_adc_all
h_bemc_adc_all
Entries 124800
Mean -0.2014
RMS 2.241
counts
BEMC Adc sum

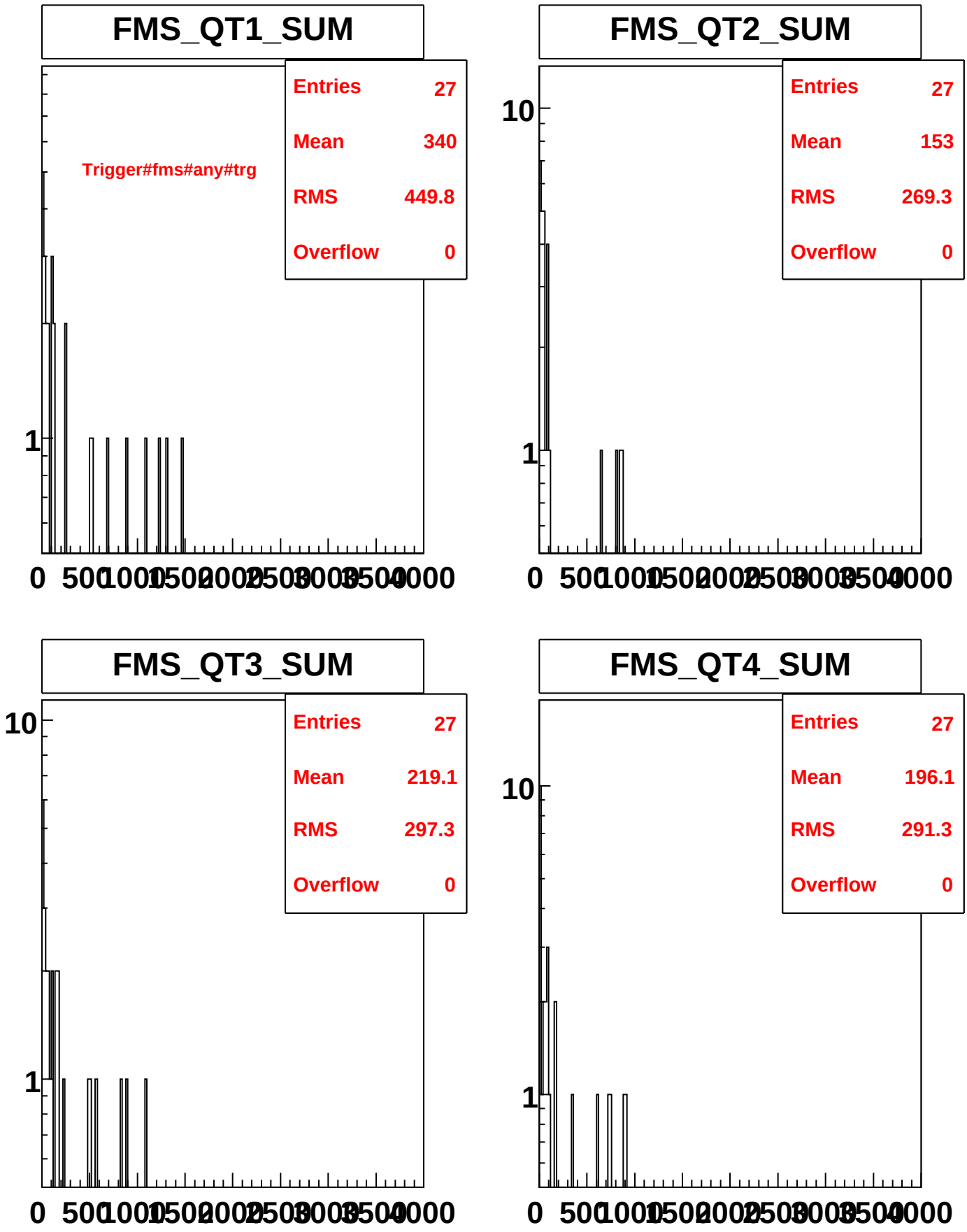

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 27
Mean x 1594
Mean y 1535
RMS x 1917
RMS y 1048
BBC West Adc
BBC East Adc

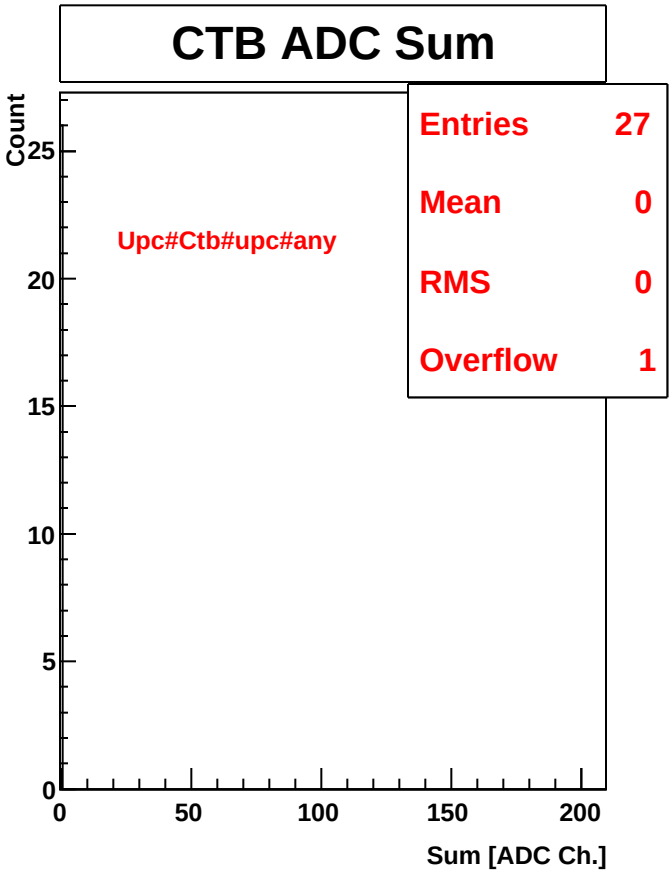

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 26
Mean x 3.459
Mean y 2.995
RMS x 4.224
RMS y 2.088
BEMC West Energy [GeV]
BEMC East Energy [GeV]

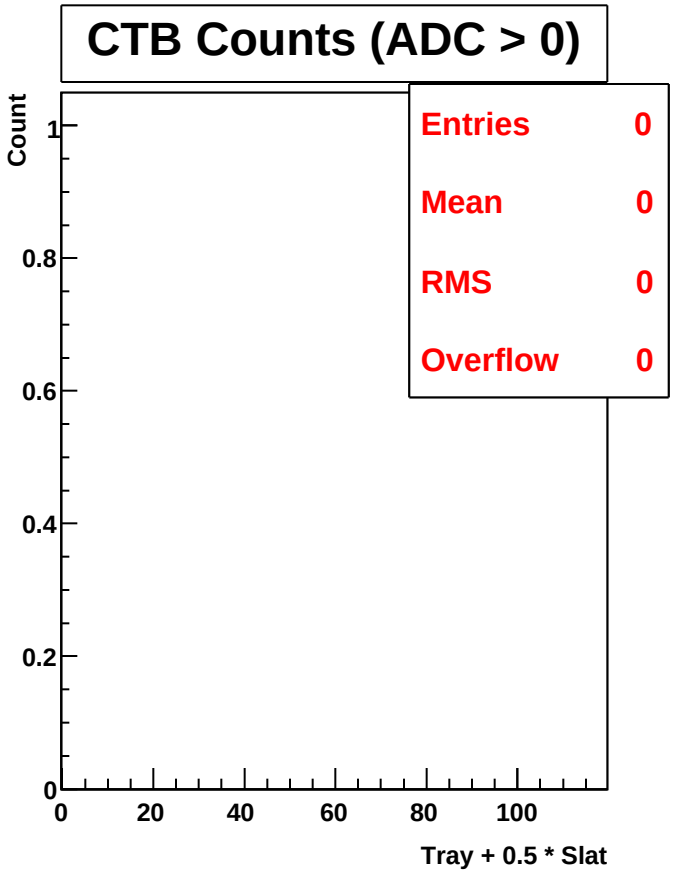

h_event_type
counts
All events: 100.0%
BBC: 77.8%
BEMC min. energy: 40.7%
BEMC all cuts: 40.7%
BBC+BEMC: 37.0%
Bad: 63.0%
event type

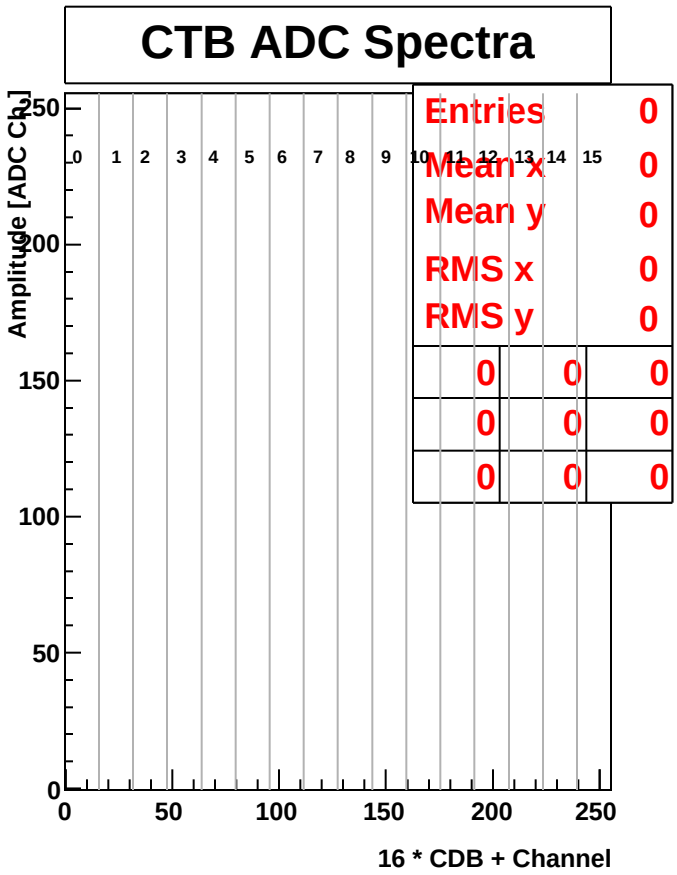

event groups
hEventGroups
Entries 864
Mean 0
RMS 0
Trigger#event and trigger groups#any#any
0
5
10
15
20
25
30

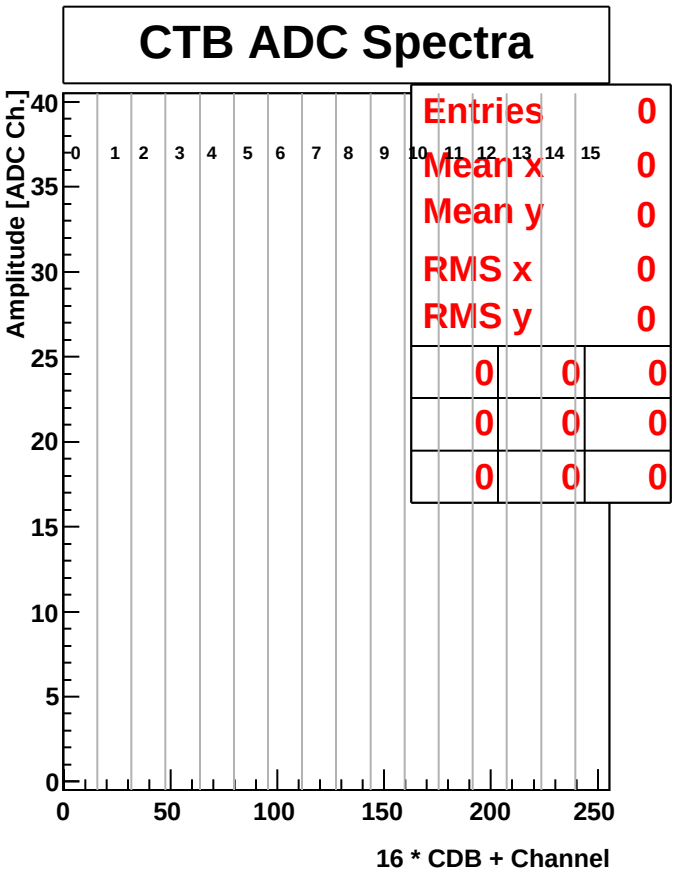

detector groups
hDetectorGroups
Entries 864
Mean 10.97
RMS 6.02
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
5
10
15
20
25
30

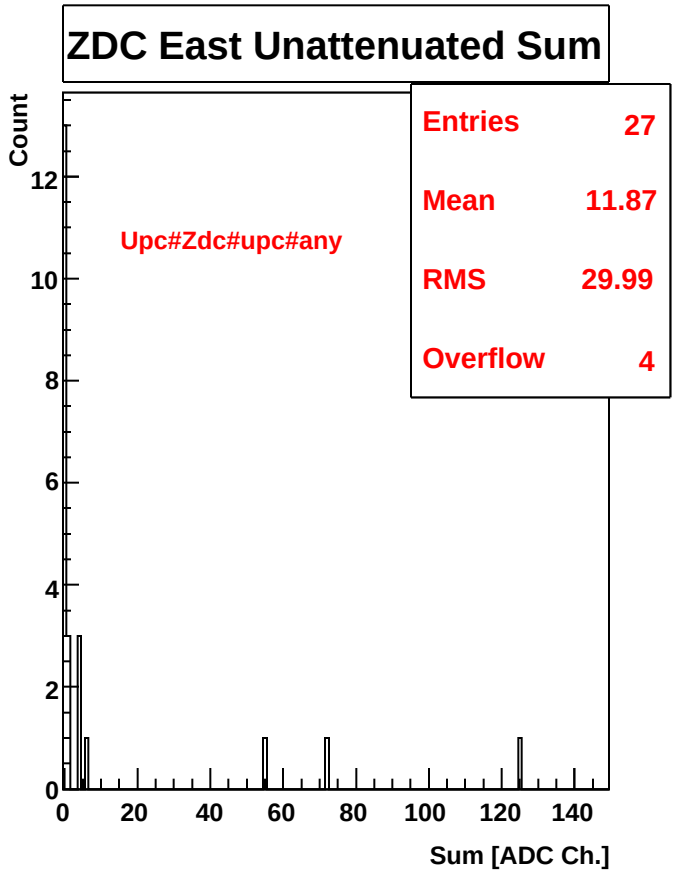

FMS_QT1_SUM
Entries 27
Mean 340
RMS 449.8
Overflow 0
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 27
Mean 153
RMS 269.3
Overflow 0
FMS_QT3_SUM
Entries 27
Mean 219.1
RMS 297.3
Overflow 0
FMS_QT4_SUM
Entries 27
Mean 196.1
RMS 291.3
Overflow 0

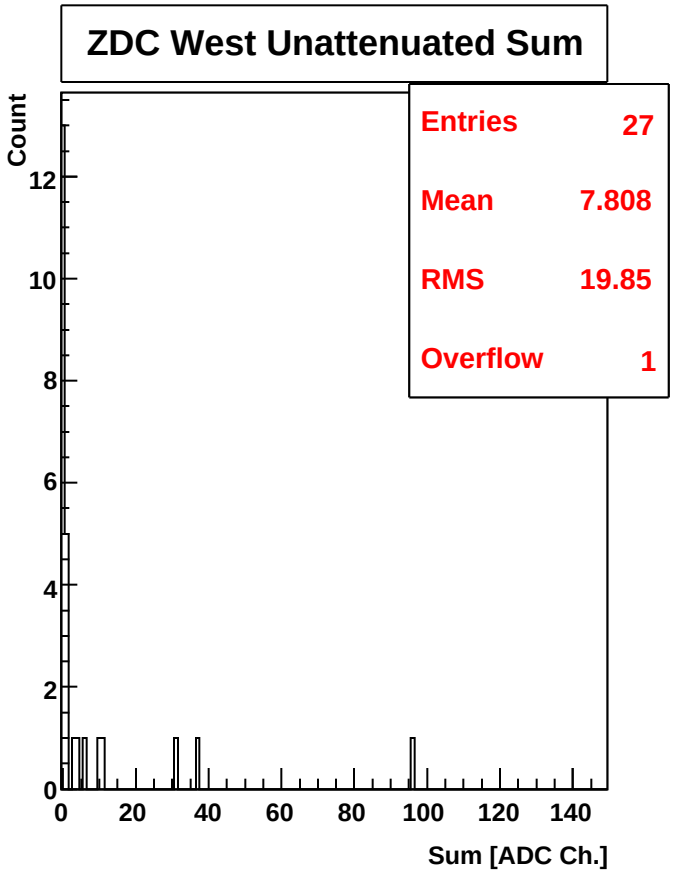

CTB ADC Sum
Entries 27
Mean 0
RMS 0
Overflow 1
Upc#Ctb#upc#any
Count
Sum [ADC Ch.]

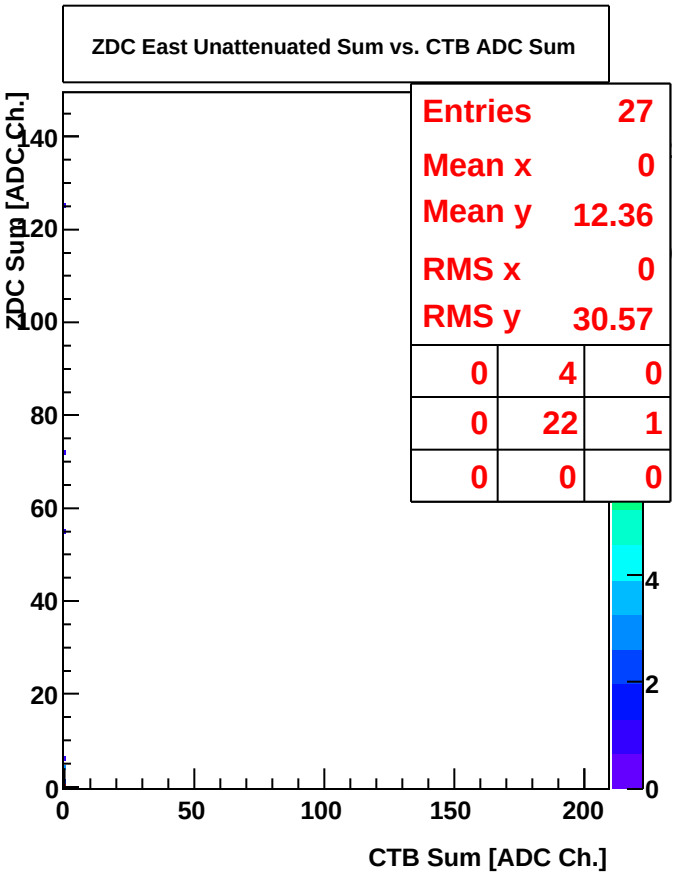

CTB Counts (ADC > 0)
Entries 0
Mean 0
RMS 0
Overflow 0
Count
Tray + 0.5 * Slat

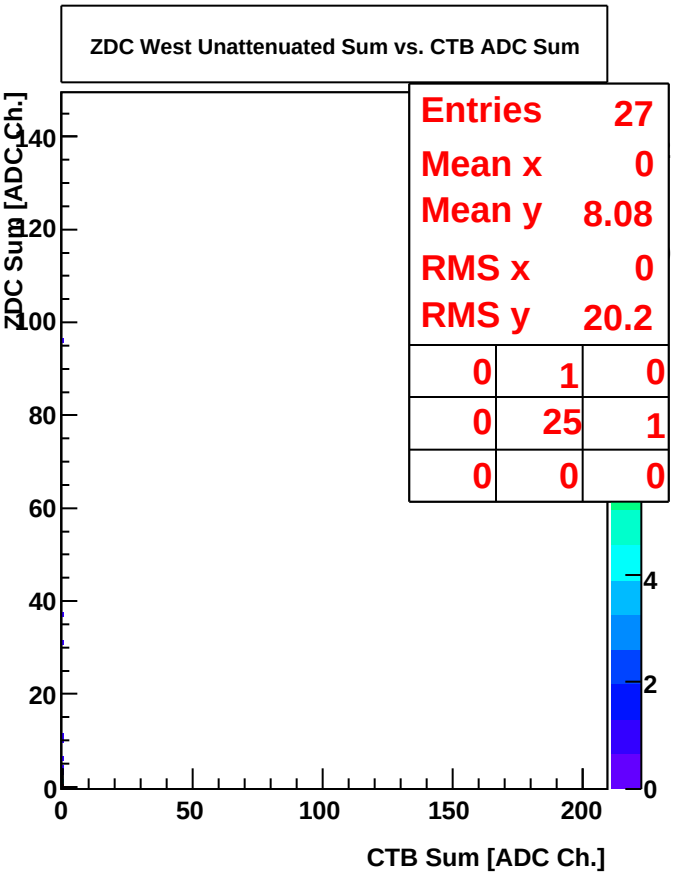

CTB ADC Spectra
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Amplitude [ADC Ch.]
16 * CDB + Channel


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 27
Mean 11.87
RMS 29.99
Overflow 4
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 27
Mean 7.808
RMS 19.85
Overflow 1
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 27
Mean x 0
Mean y 12.36
RMS x 0
RMS y 30.57
0 4 0
0 22 1
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 27
Mean x 0
Mean y 8.08
RMS x 0
RMS y 20.2
0 1 0
0 25 1
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]