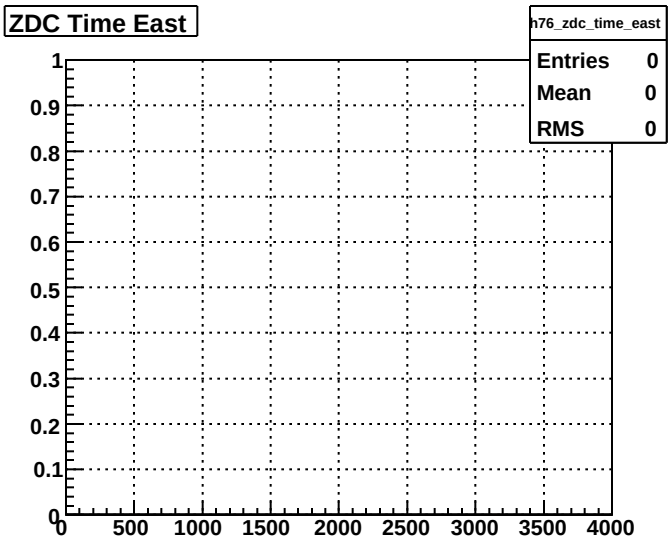
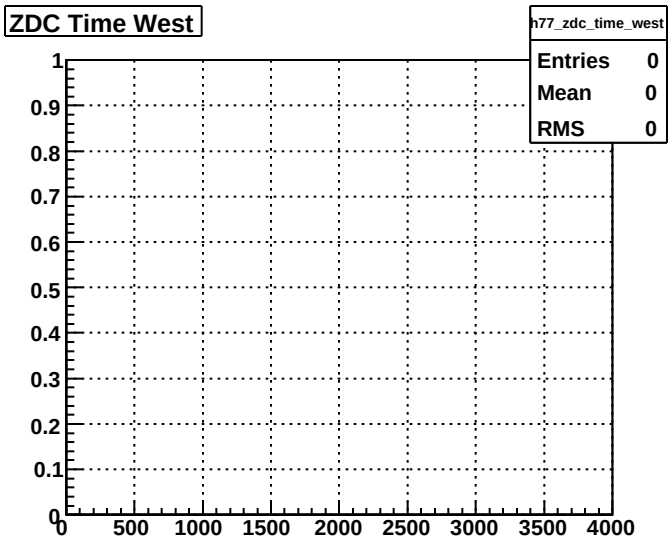
Run: #12102004

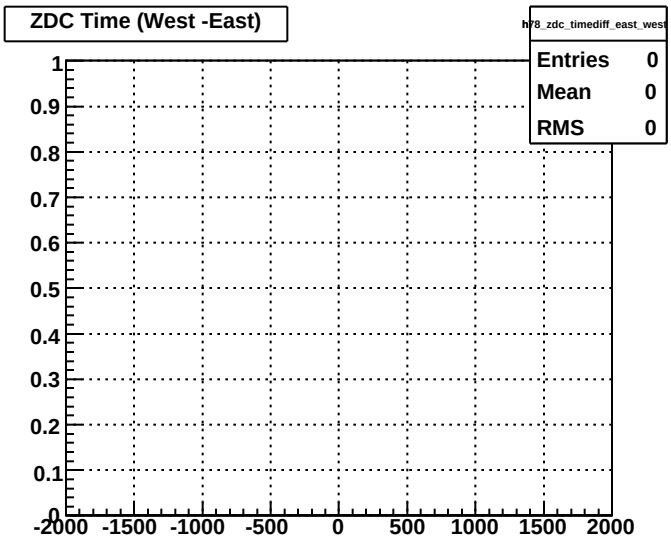
TriggerBits: 11111111 11111111 11111111 11111111

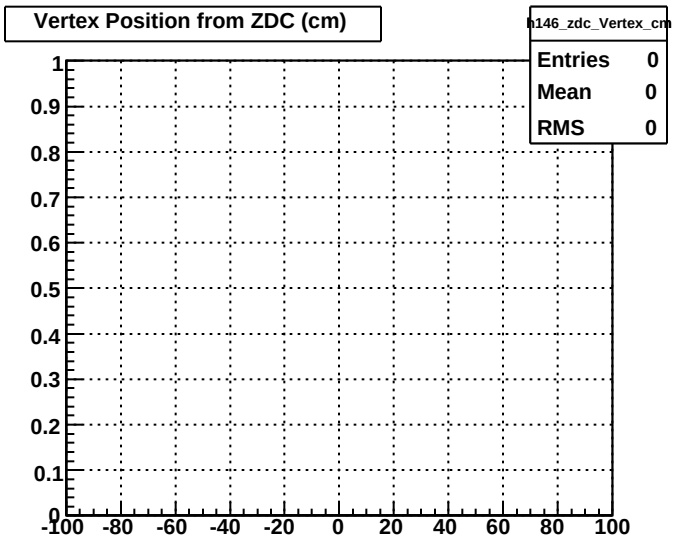
DetectorBits: 00000000 00001000 01000001 00001000

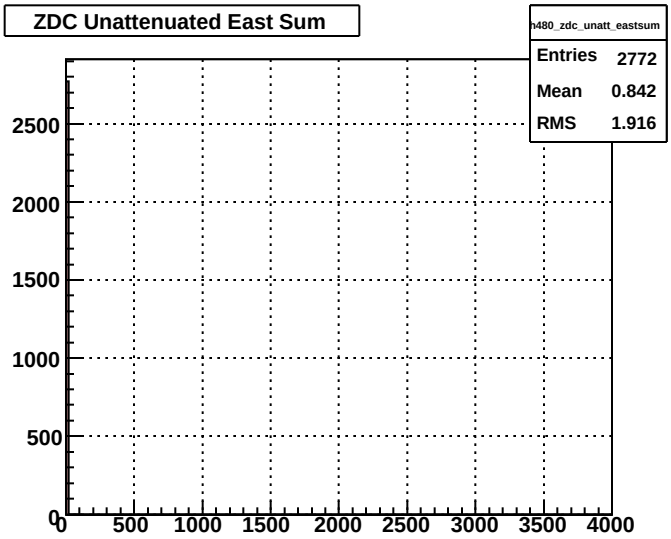
Tue Apr 12 04:43:19 2011

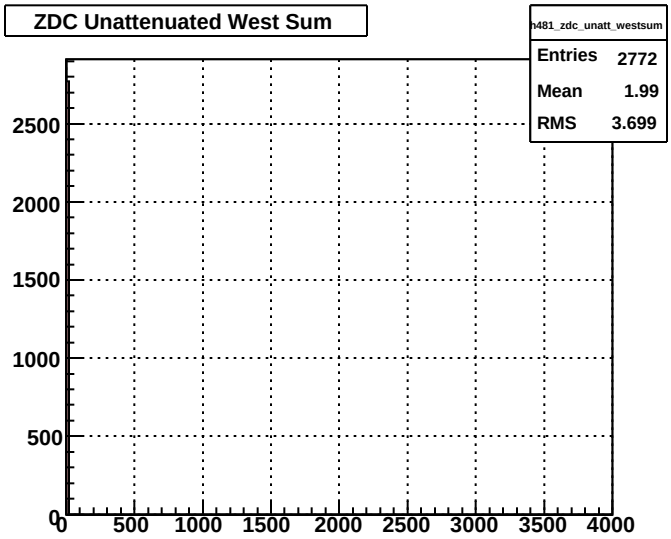

ZDC Time East
h76_zdc_time_east
Entries 0
Mean 0
RMS 0

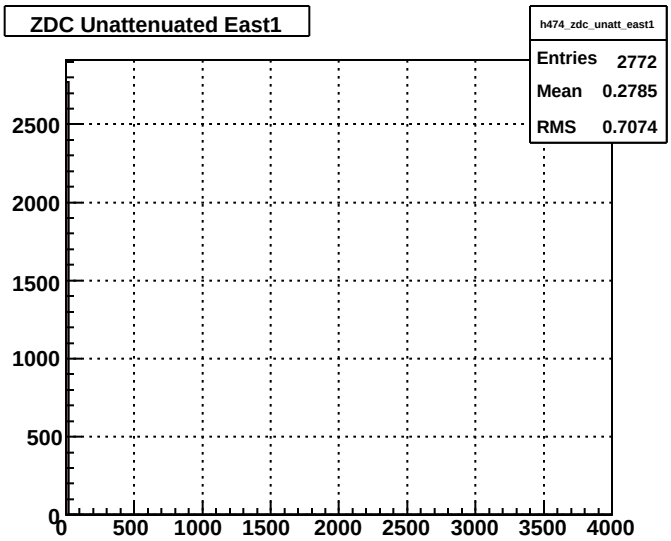

ZDC Time West
h77_zdc_time_west
Entries 0
Mean 0
RMS 0

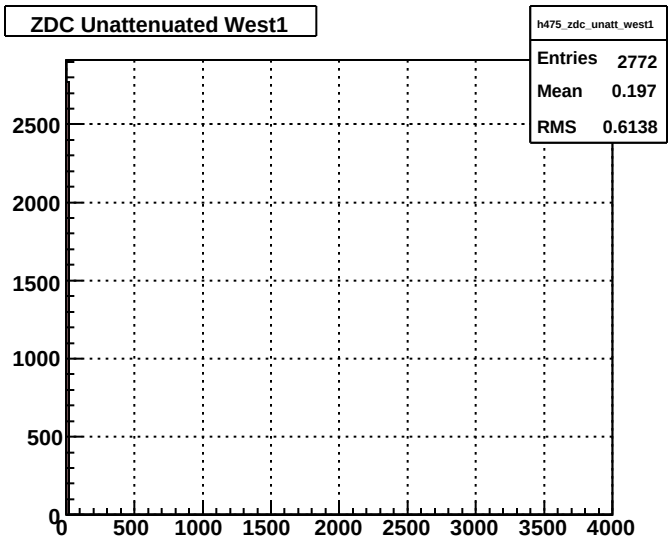

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 0
Mean 0
RMS 0

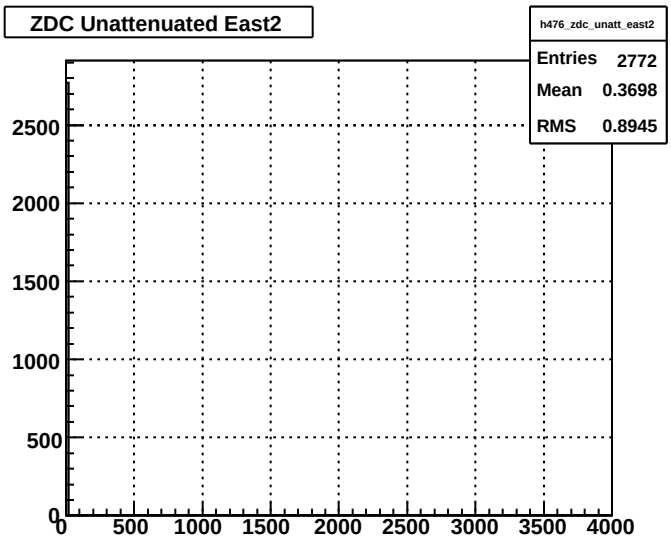

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 0
Mean 0
RMS 0

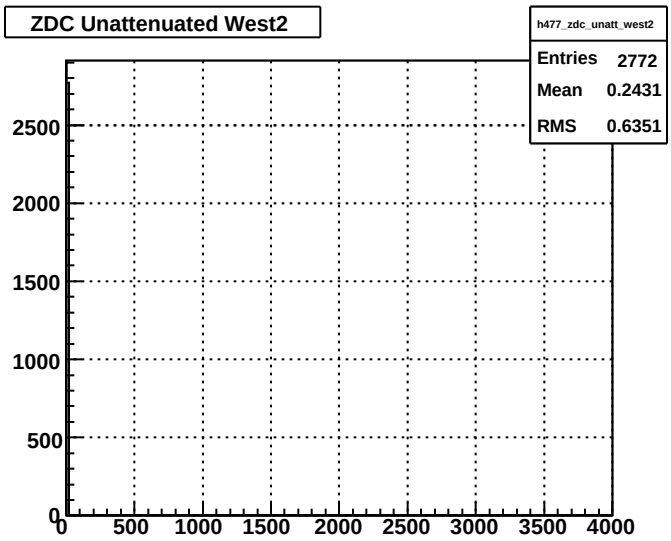

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 2772
Mean 0.842
RMS 1.916

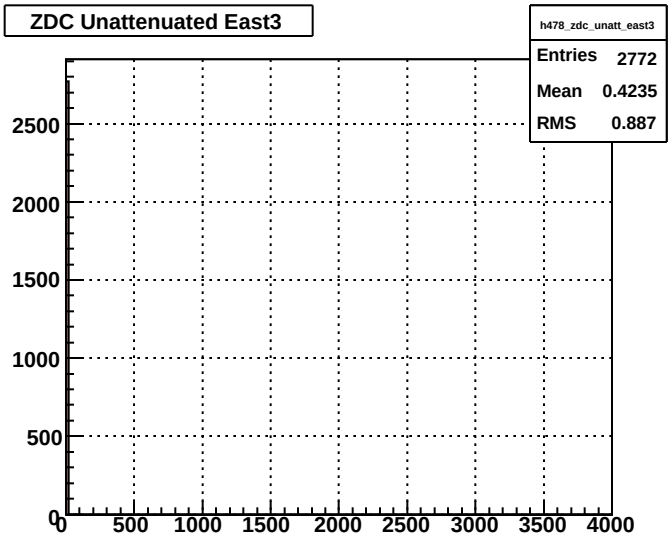

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 2772
Mean 1.99
RMS 3.699

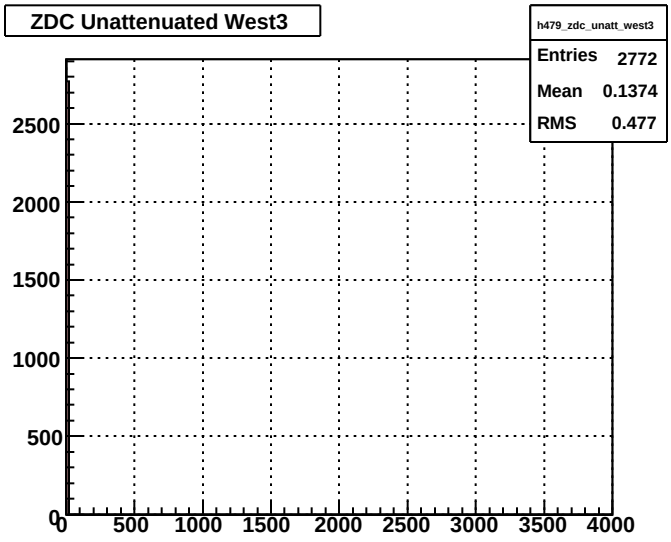

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 2772
Mean 0.2785
RMS 0.7074
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

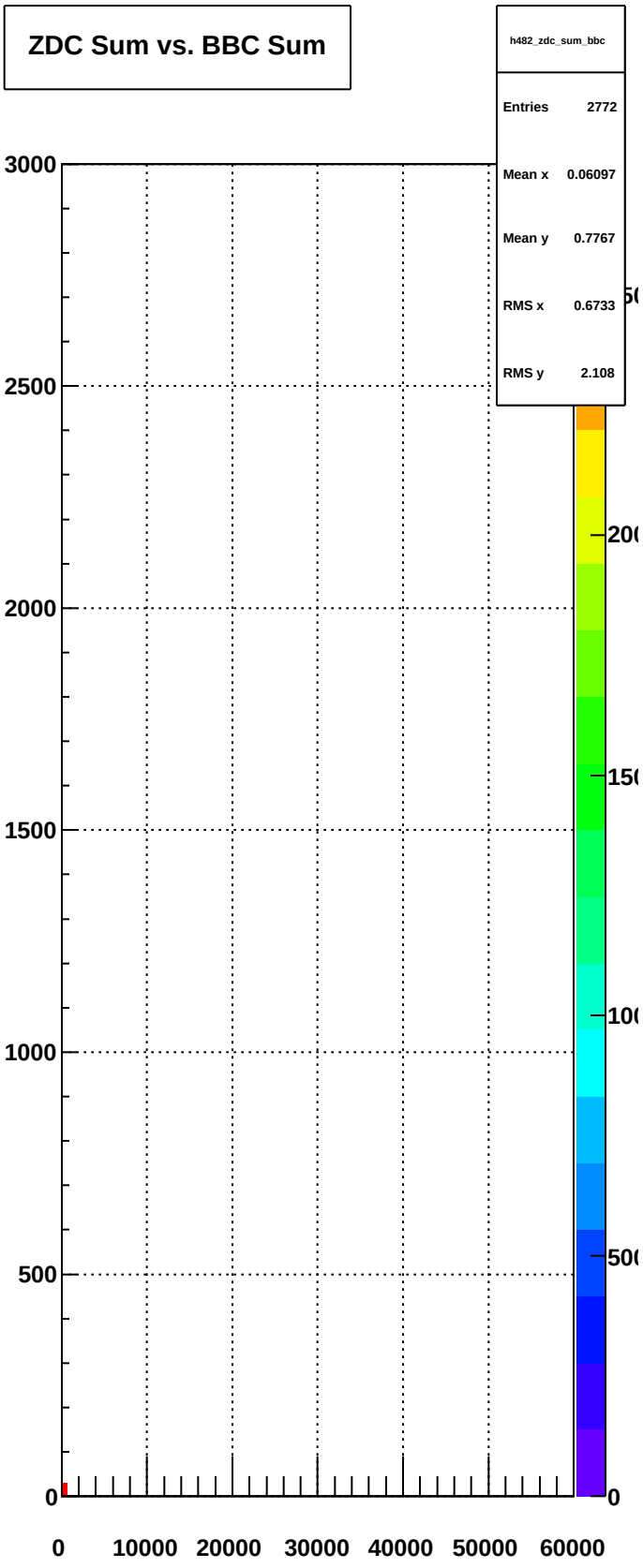

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 2772
Mean 0.197
RMS 0.6138
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

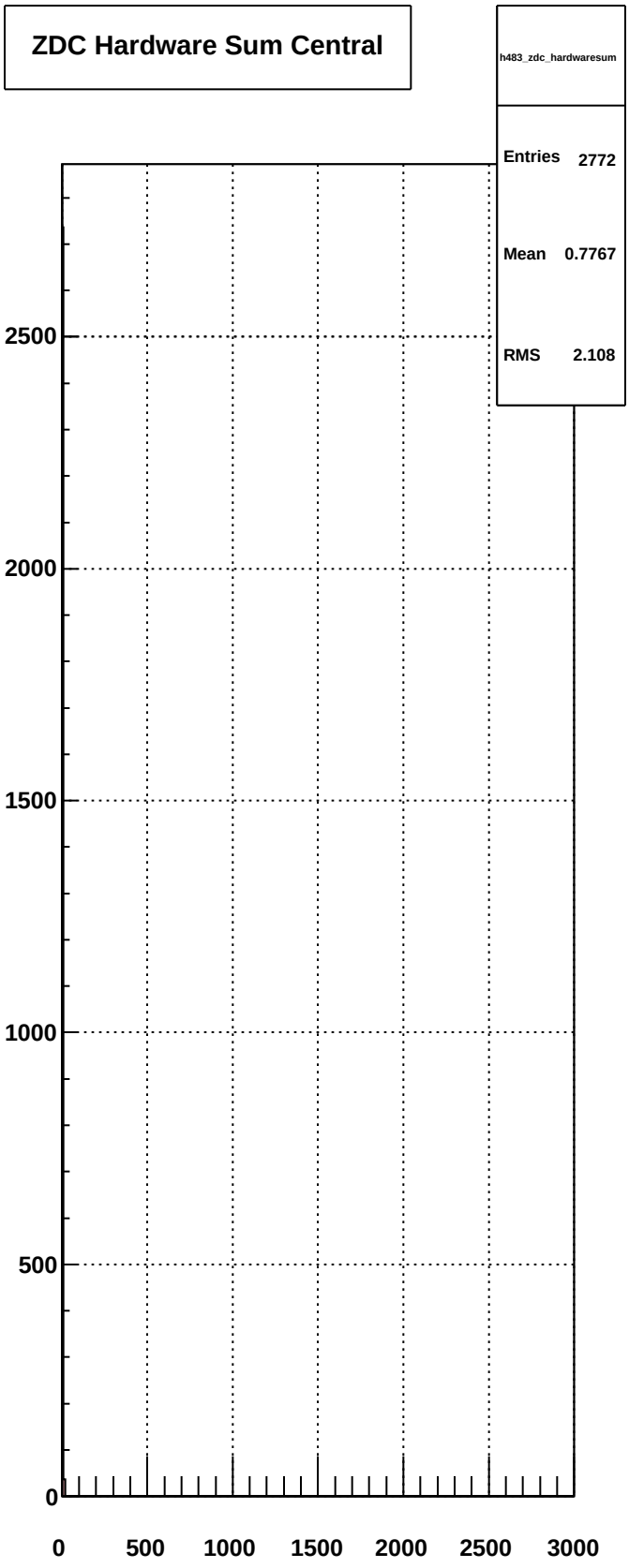

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 2772
Mean 0.3698
RMS 0.8945
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

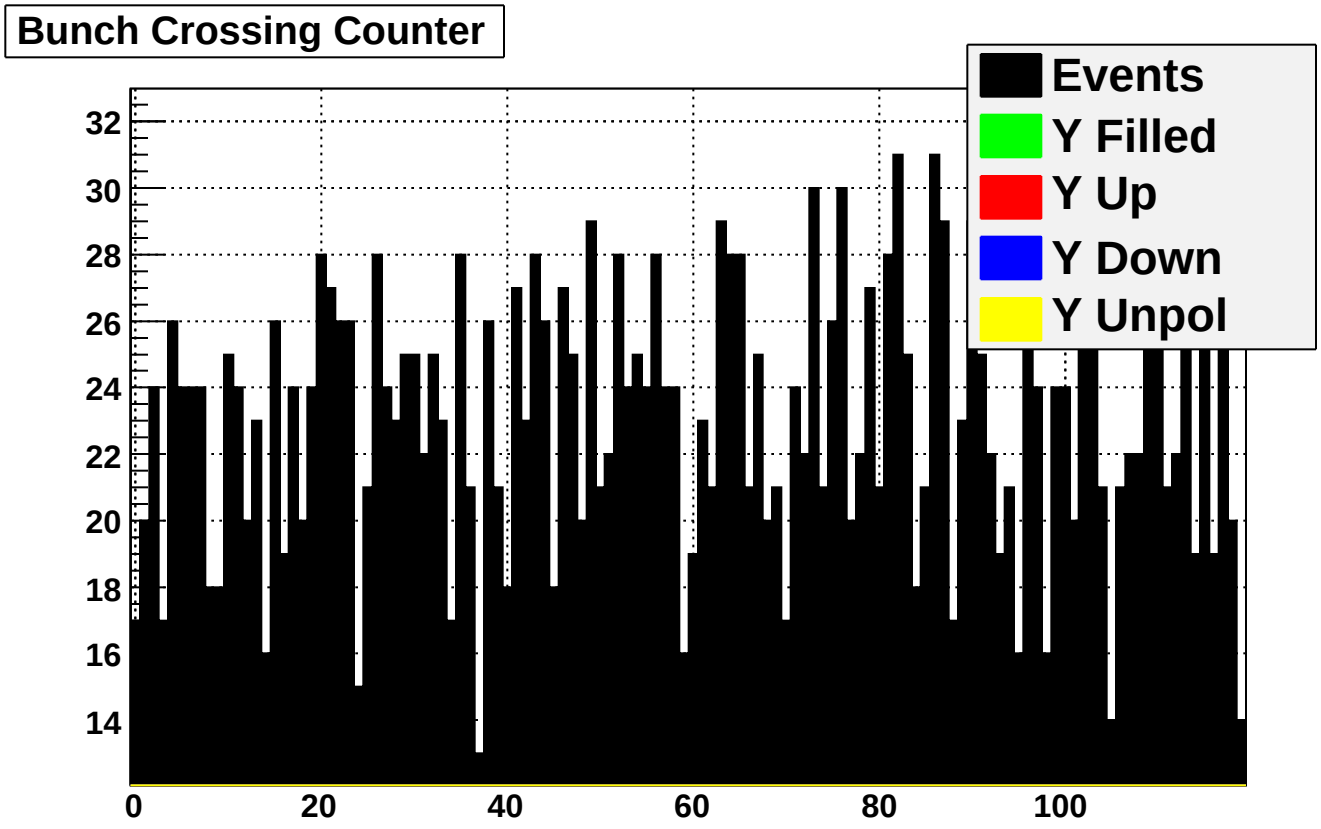

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 2772
Mean 0.2431
RMS 0.6351
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

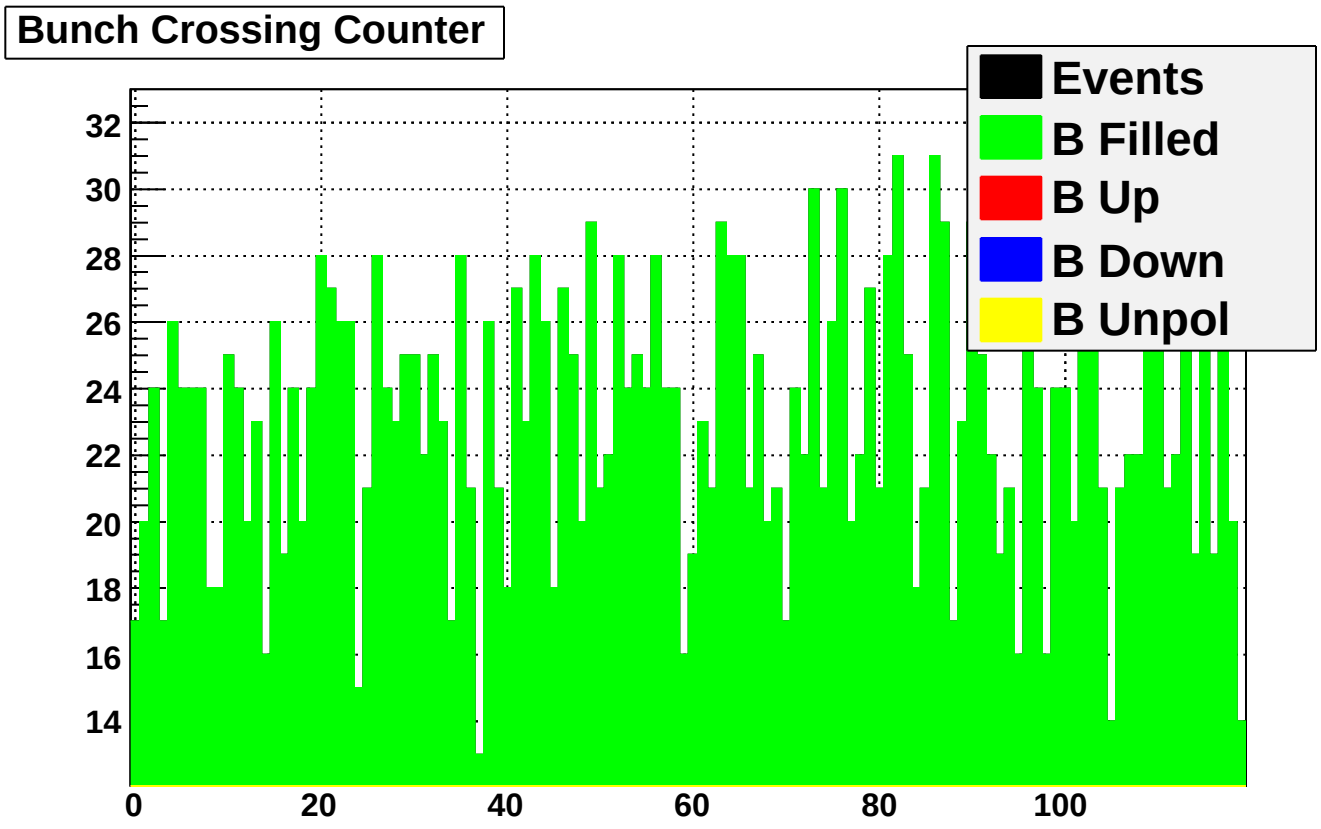

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 2772
Mean 0.4235
RMS 0.887
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

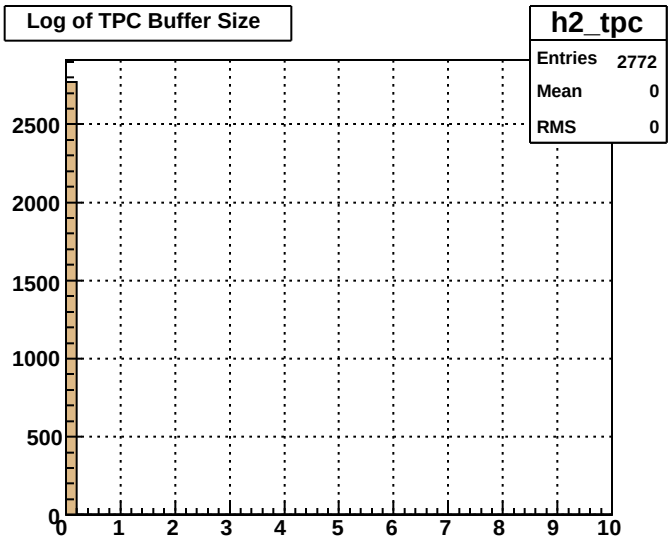

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 2772
Mean 0.1374
RMS 0.477
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

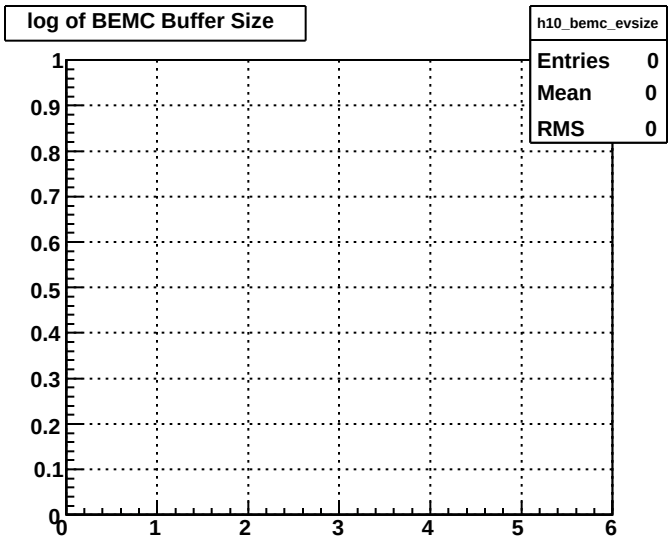

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 2772
Mean x 0.06097
Mean y 0.7767
RMS x 0.6733
RMS y 2.108
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
200
150
100
50
0

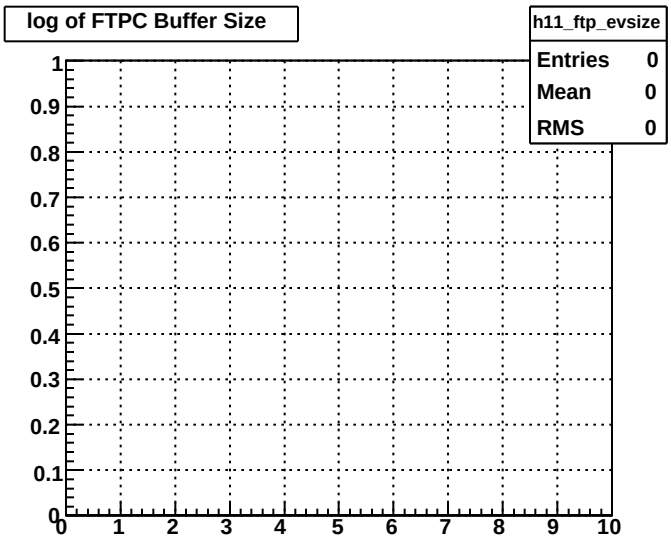

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 2772
Mean 0.7767
RMS 2.108
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000

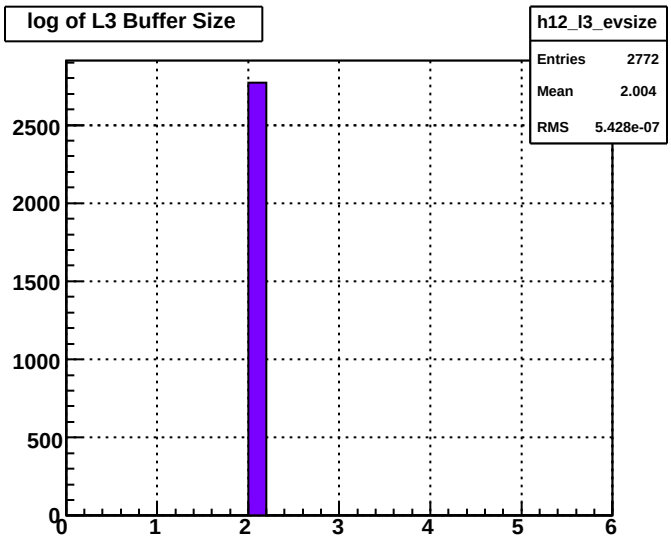

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
32
30
28
26
24
22
20
18
16
14
0
20
40
60
80
100

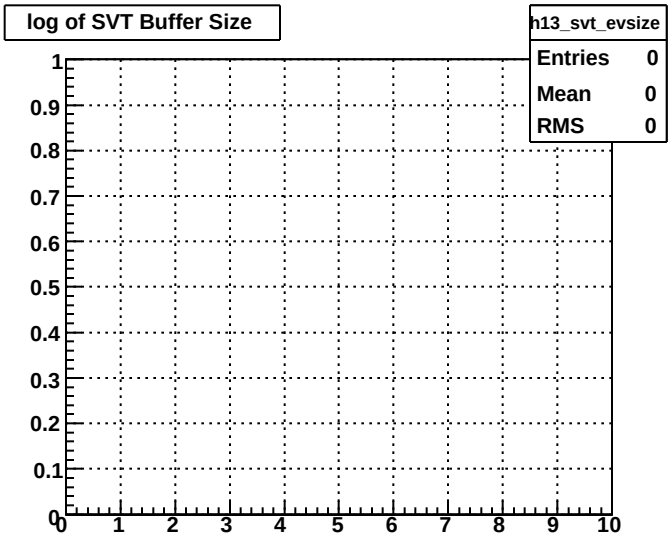

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
32
30
28
26
24
22
20
18
16
14
0
20
40
60
80
100

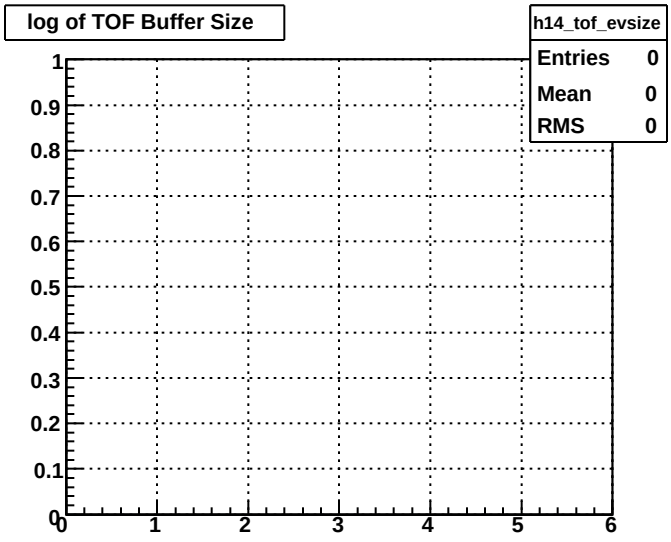

Log of TPC Buffer Size
h2_tpc
Entries 2772
Mean 0
RMS 0

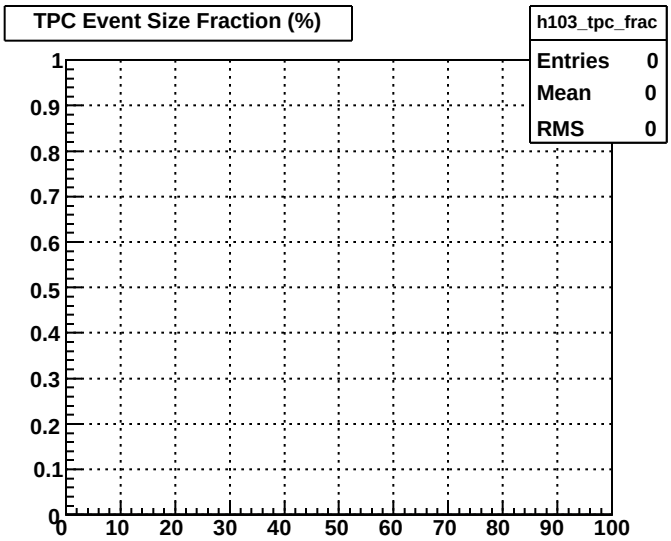

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

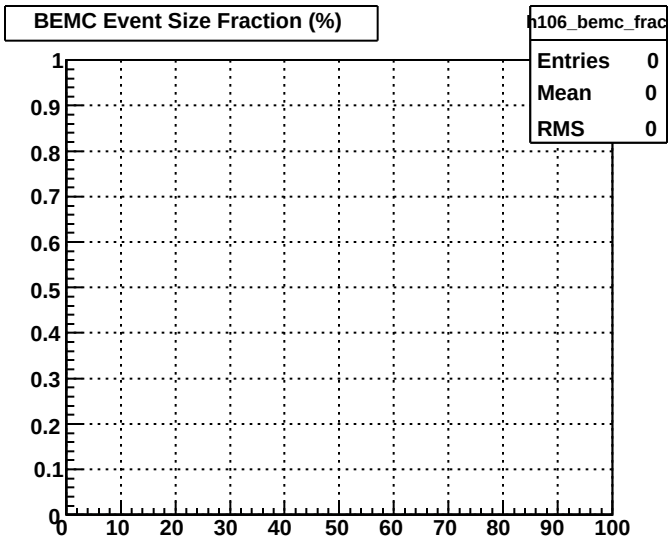

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

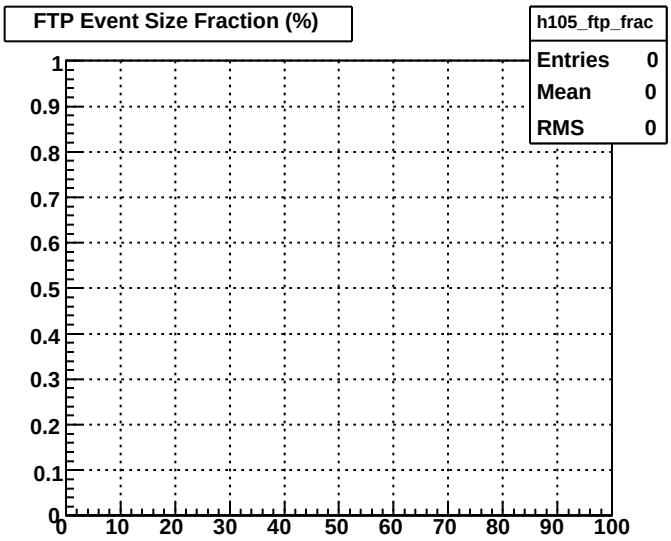

log of L3 Buffer Size
h12_l3_evsize
Entries 2772
Mean 2.004
RMS 5.428e-07

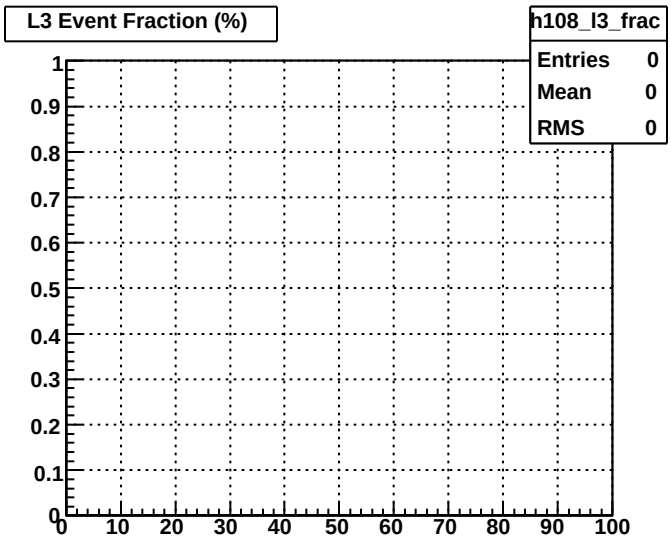

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

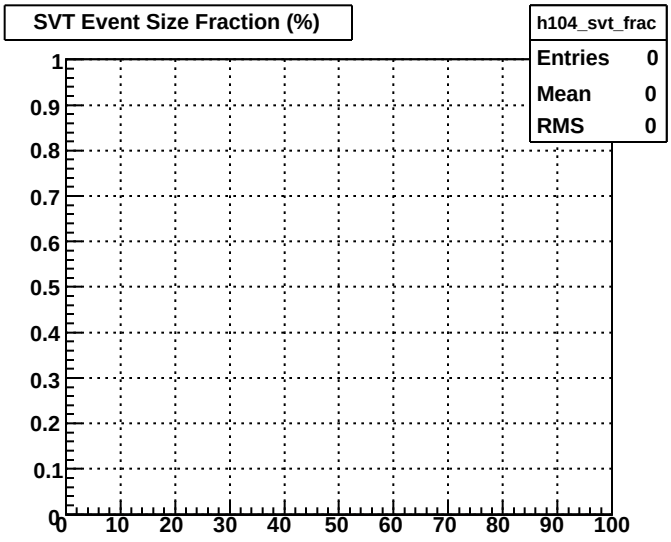

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

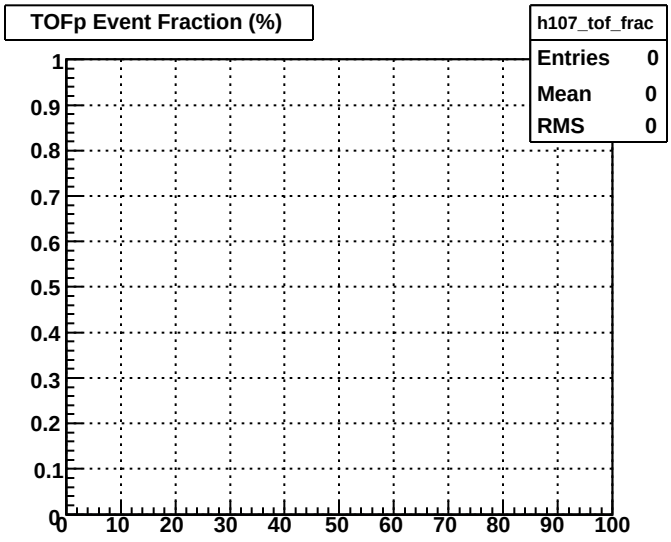

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

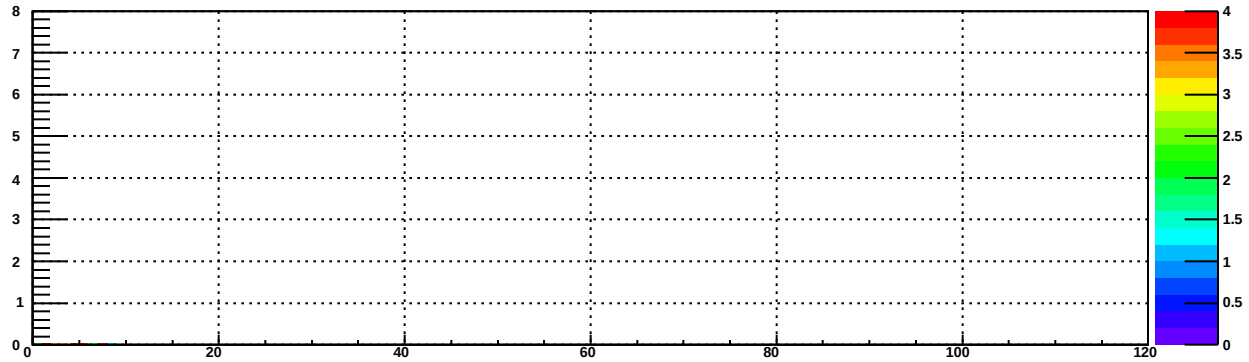

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

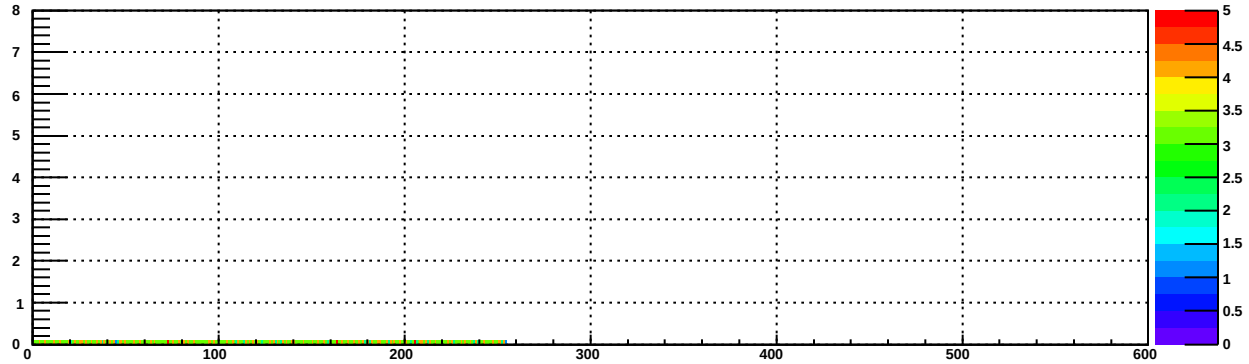

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

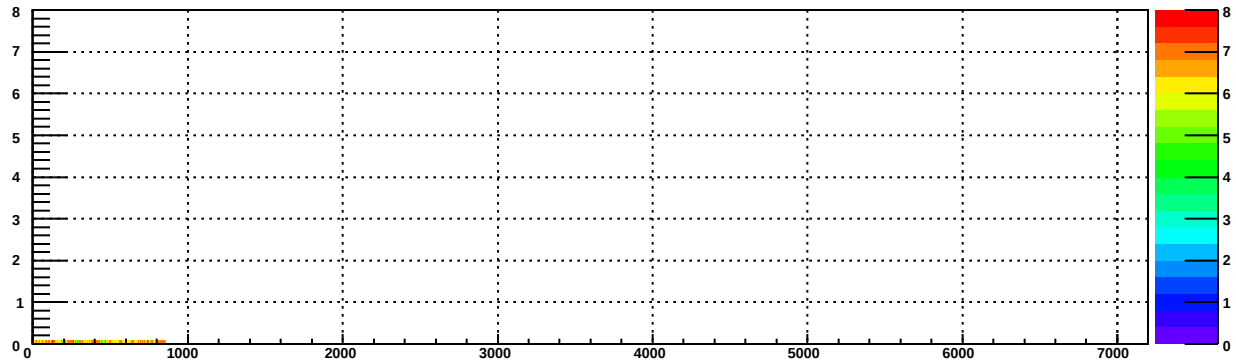
Event Size (Log10) vs time (sec)



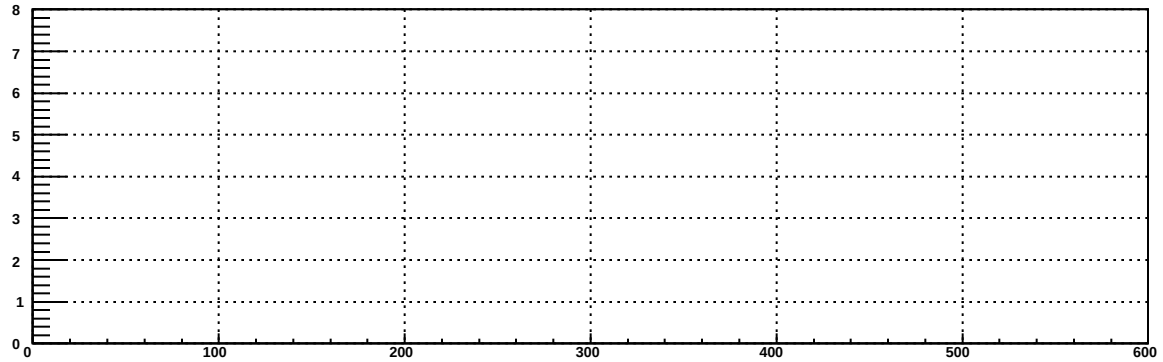
Event Size (Log10) vs time (sec)

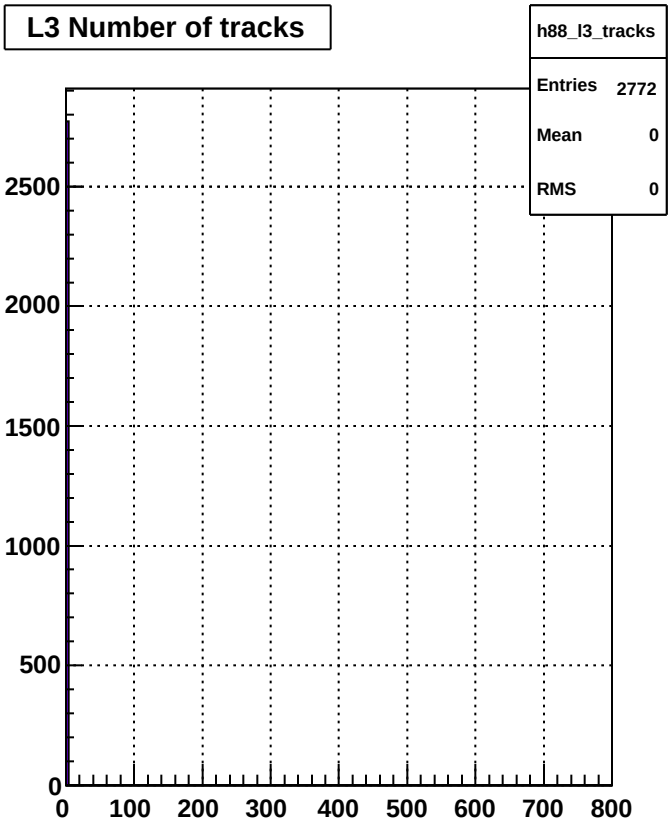


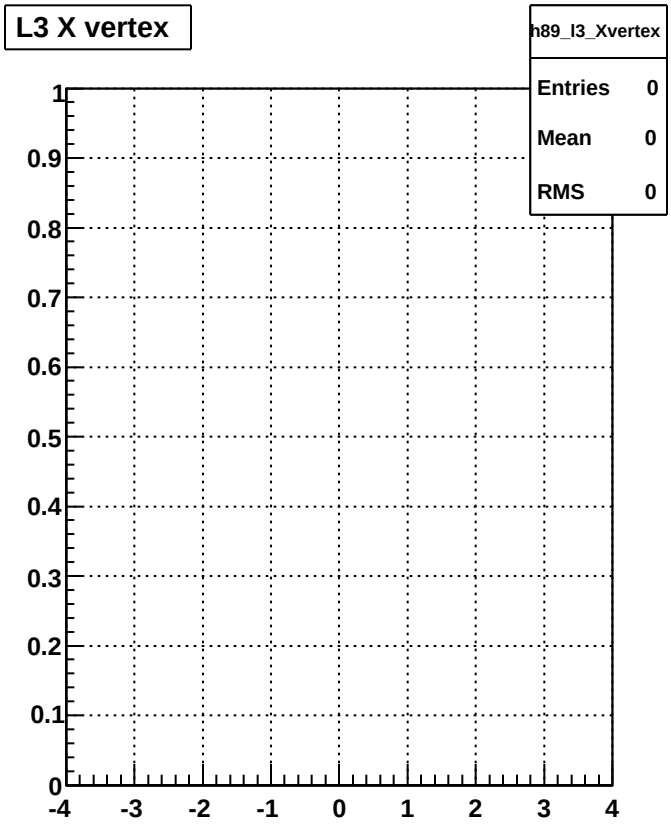
Event Size (Log10) vs time(sec)

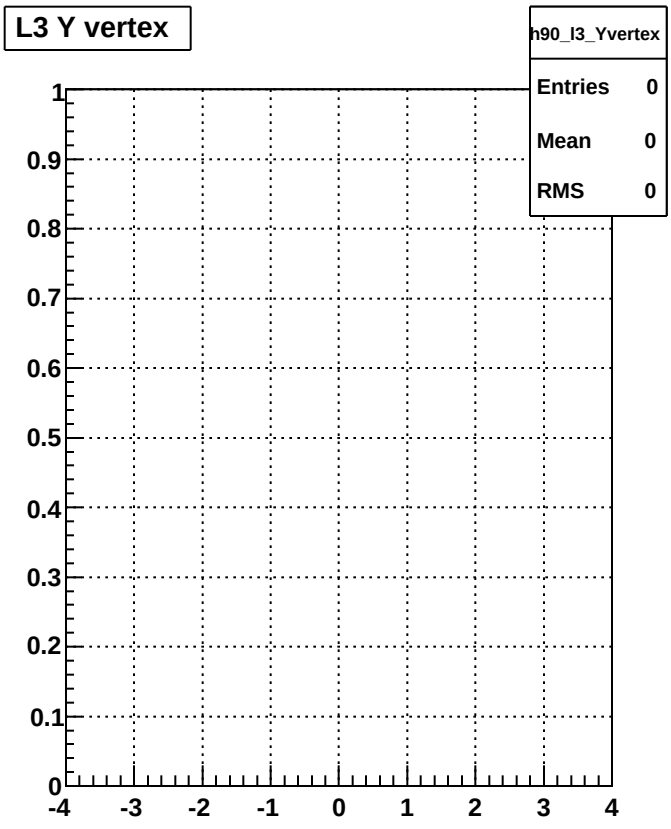


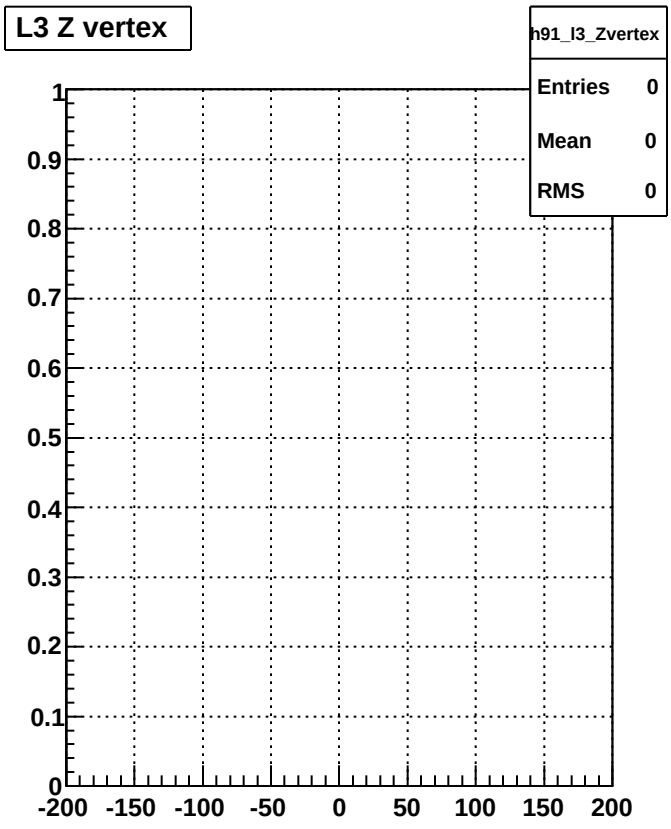
FTPC Event Size vs time(sec)



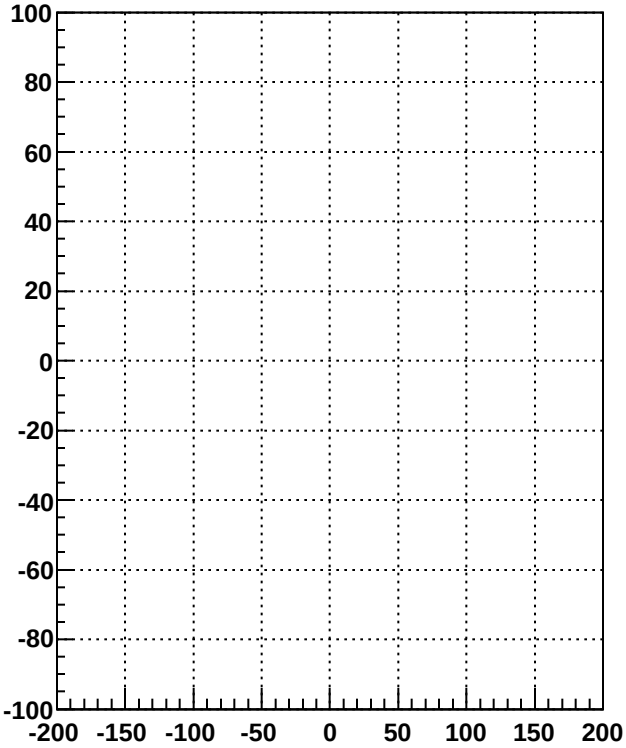

L3 Number of tracks
h88_l3_tracks
Entries 2772
Mean 0
RMS 0
2500
2000
1500
1000
500
0
0 100 200 300 400 500 600 700 800


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

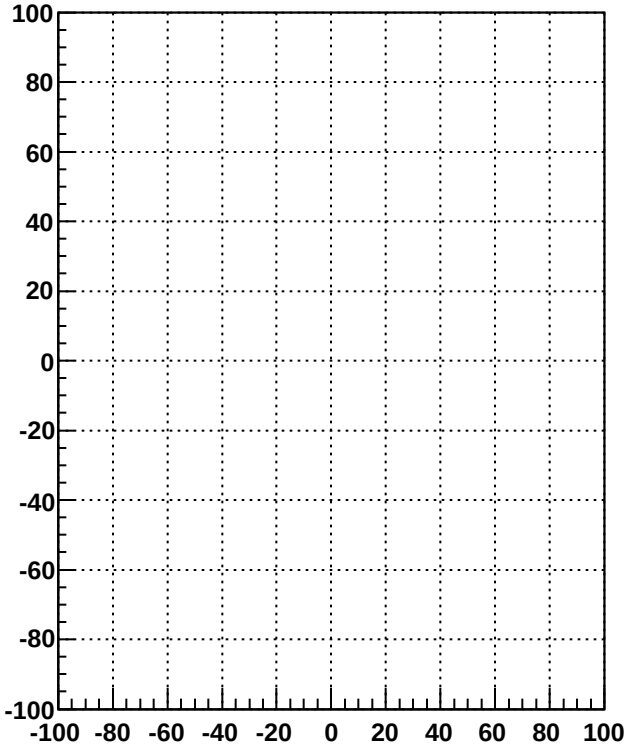

L3 Y vertex
h90_l3_Yvertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-4 -3 -2 -1 0 1 2 3 4


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

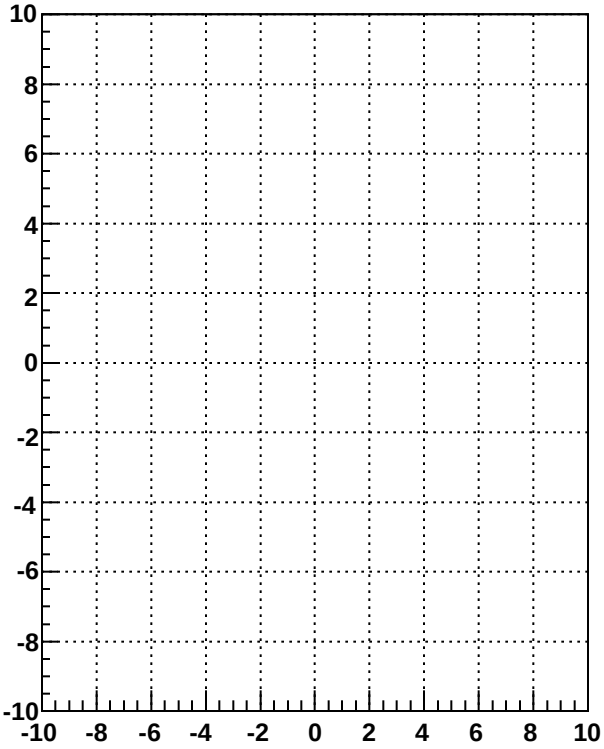
ZDC Vertex vs L3 Vertex



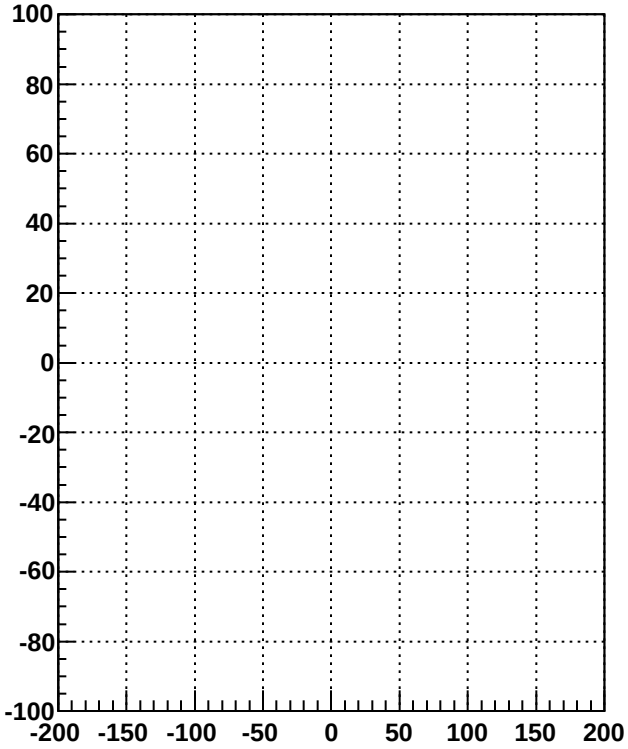
BBC Vertex vs L3 Vertex

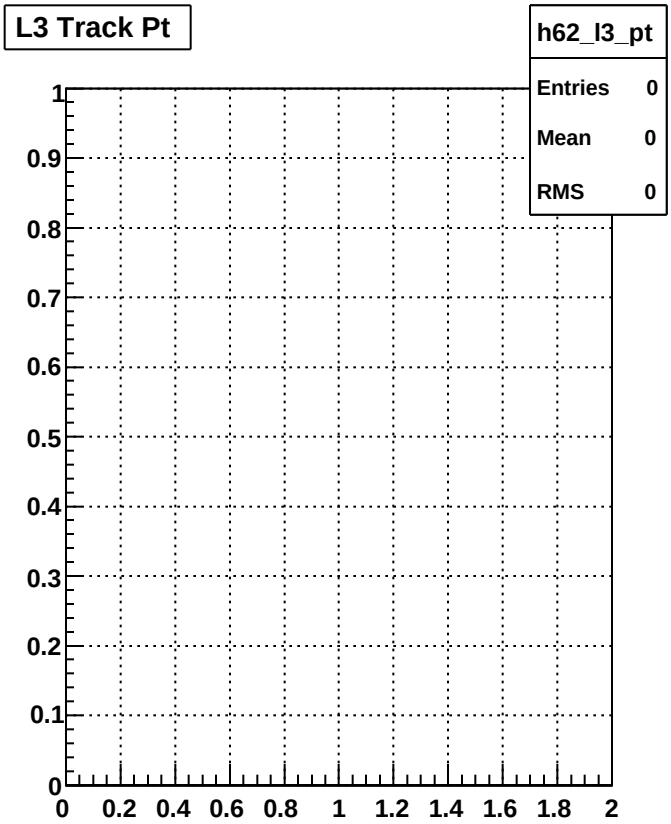


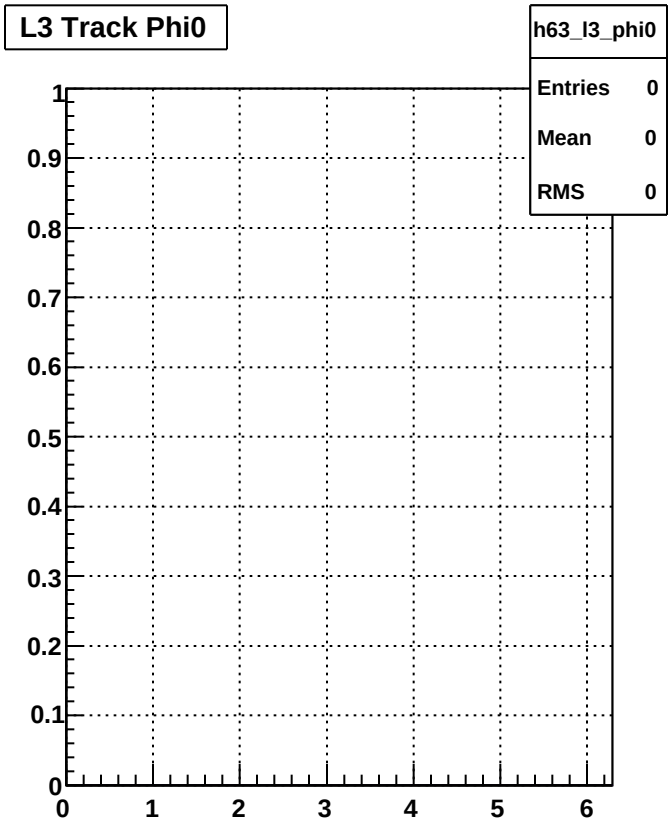
L3 Vertex Y vs X

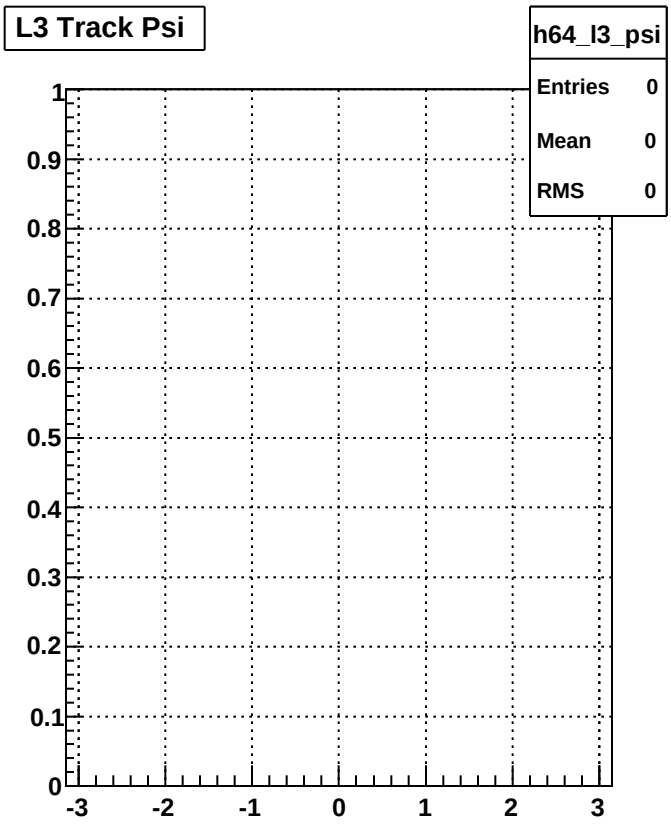


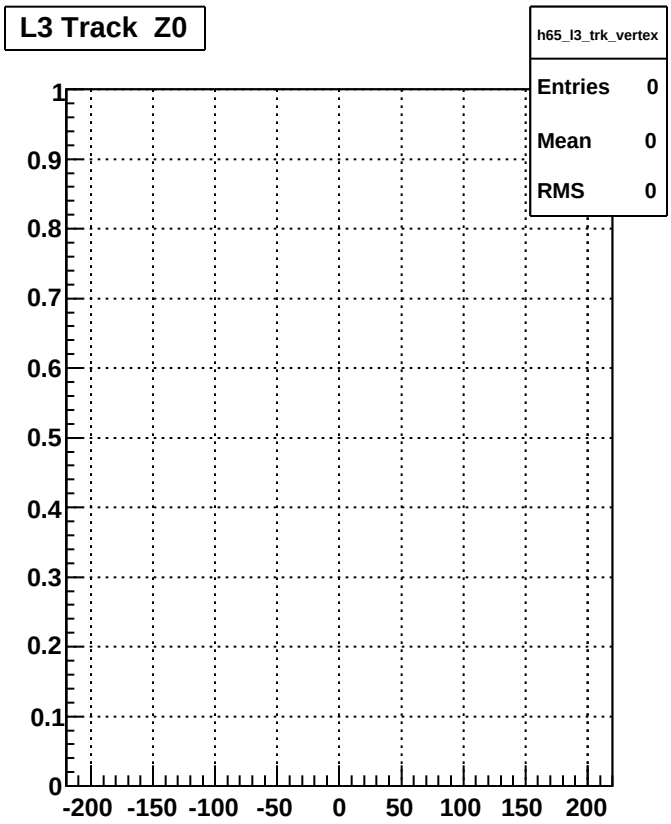
L3 Vertex-Z vs ZDC Timing difference

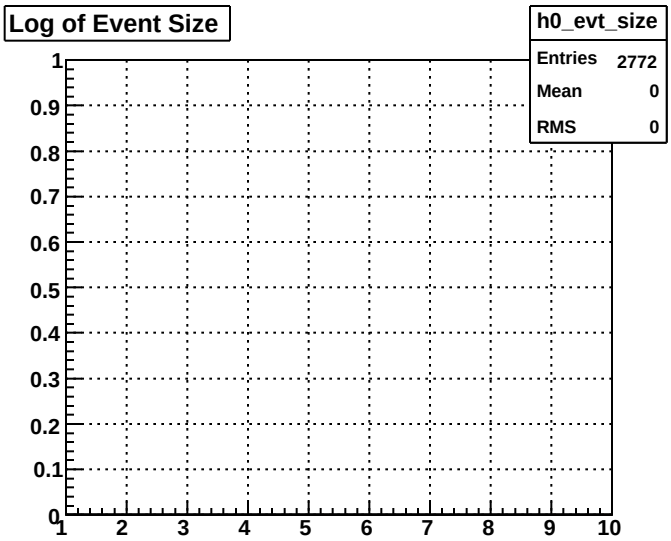


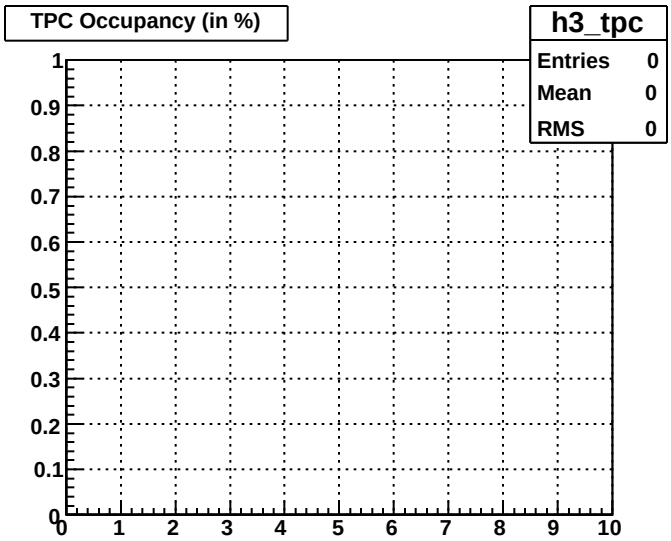

L3 Track Pt
h62_l3_pt
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

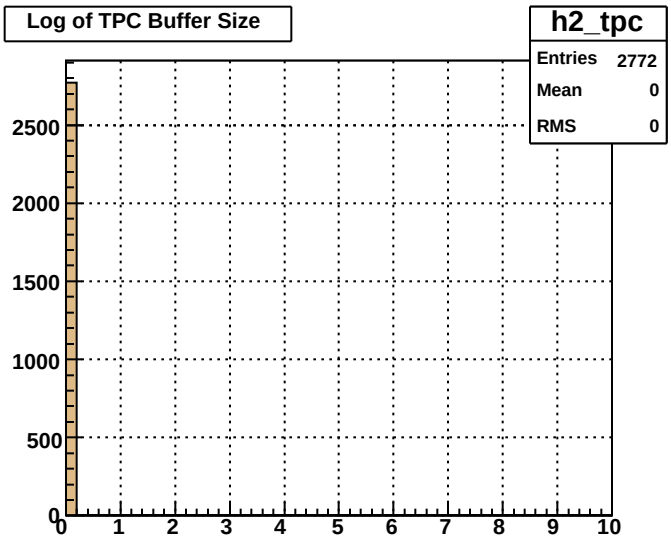

L3 Track Phi0
h63_l3_phi0
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 1 2 3 4 5 6

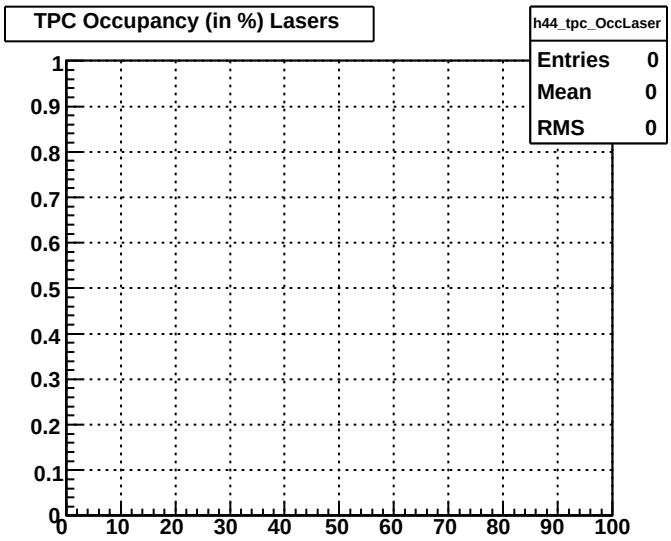

L3 Track Psi
h64_l3_psi
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-3 -2 -1 0 1 2 3

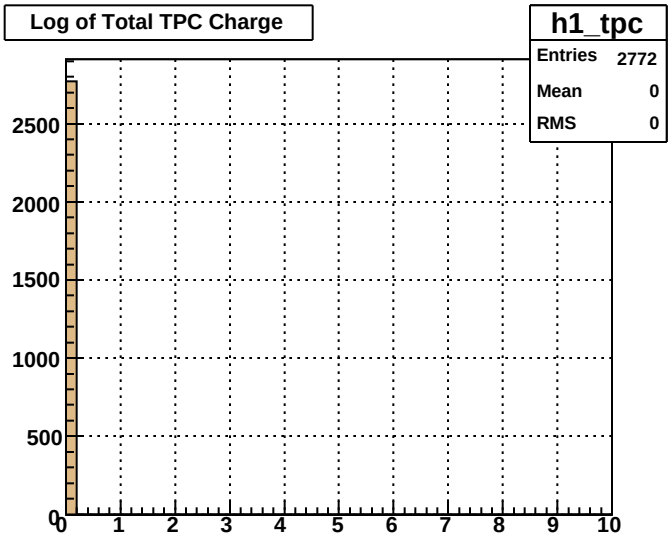

L3 Track Z0
h65_l3_trk_vertex
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-200 -150 -100 -50 0 50 100 150 200

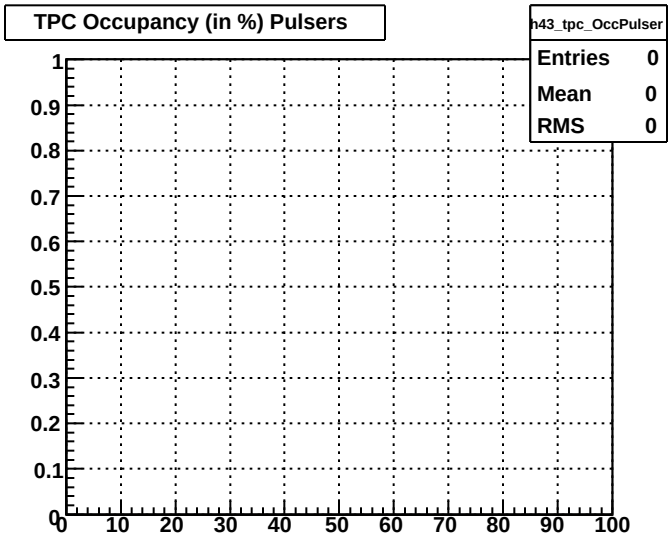

Log of Event Size
h0_evt_size
Entries 2772
Mean 0
RMS 0


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

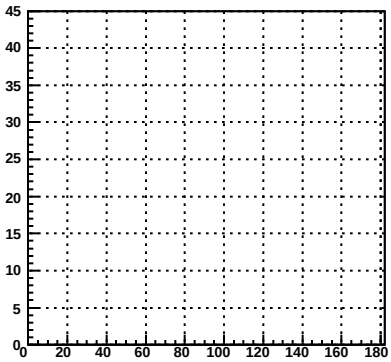

Log of TPC Buffer Size
h2_tpc
Entries 2772
Mean 0
RMS 0


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

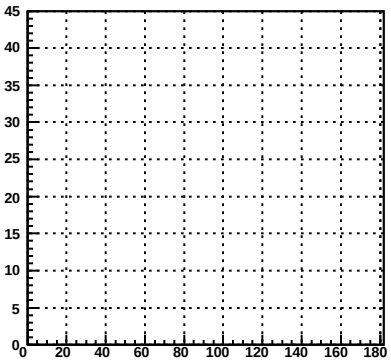

Log of Total TPC Charge
h1_tpc
Entries 2772
Mean 0
RMS 0


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

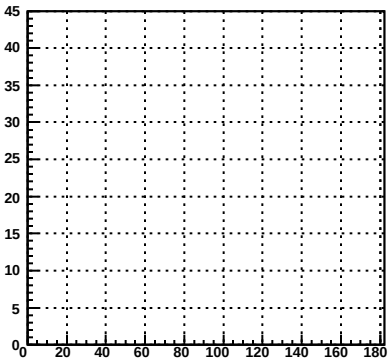
Sec. 1 charge per pad



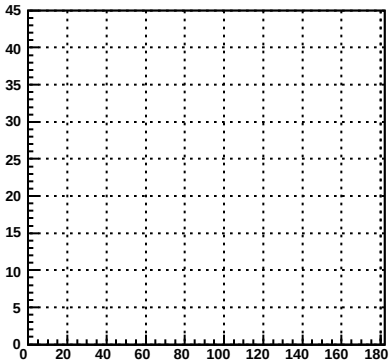
Sec. 2 charge per pad



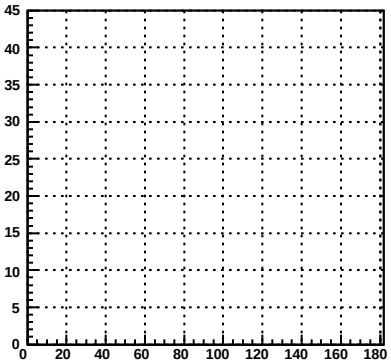
Sec. 3 charge per pad



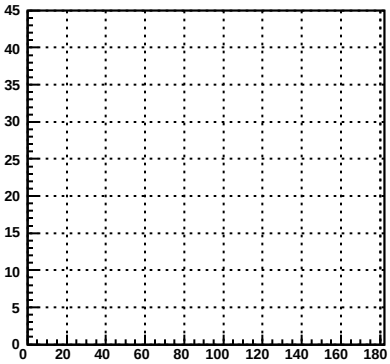
Sec. 4 charge per pad



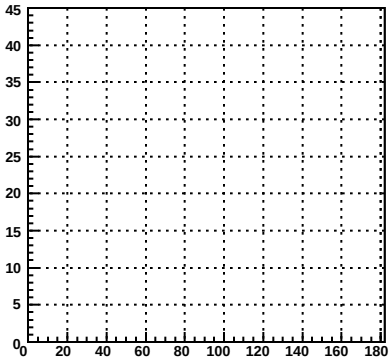
Sec. 5 charge per pad



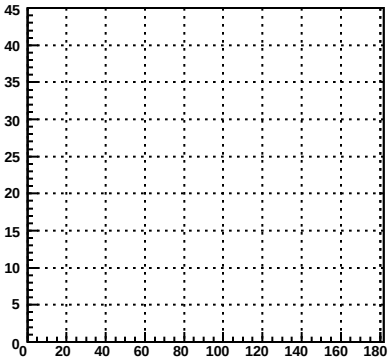
Sec. 6 charge per pad



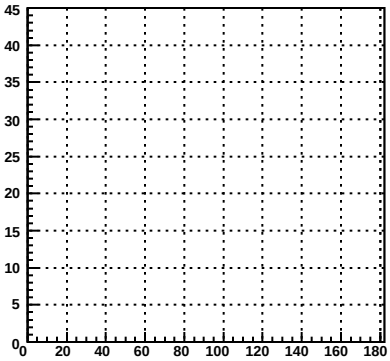
Sec. 7 charge per pad



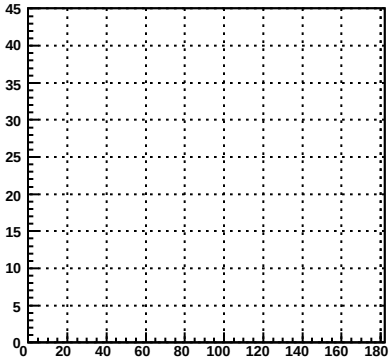
Sec. 8 charge per pad



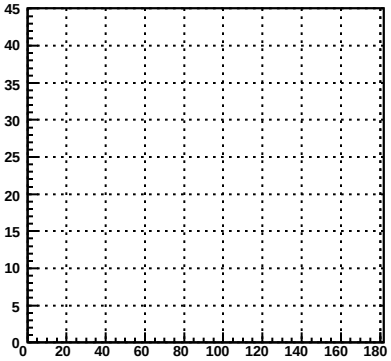
Sec. 9 charge per pad



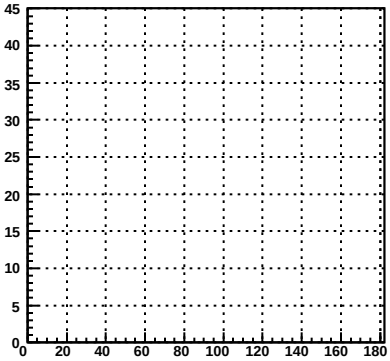
Sec. 10 charge per pad



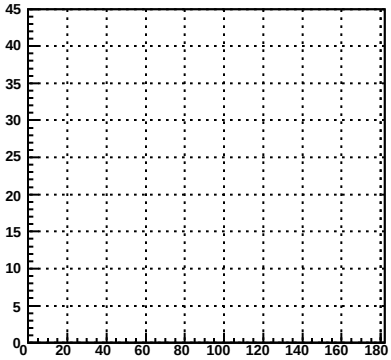
Sec. 11 charge per pad



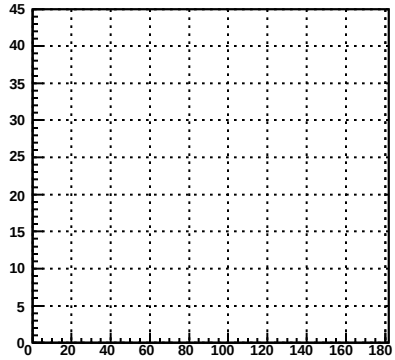
Sec. 12 charge per pad



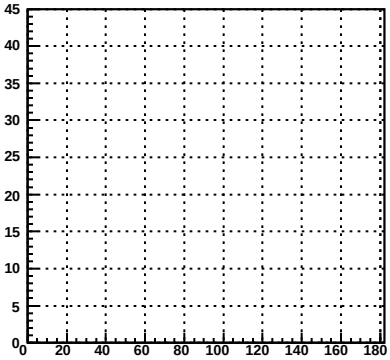
Sec. 13 charge per pad



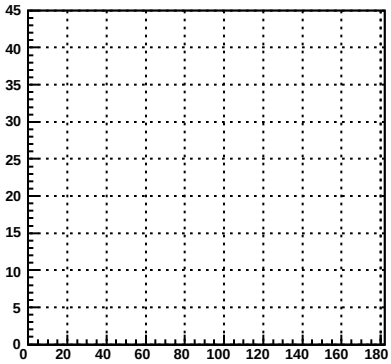
Sec. 14 charge per pad



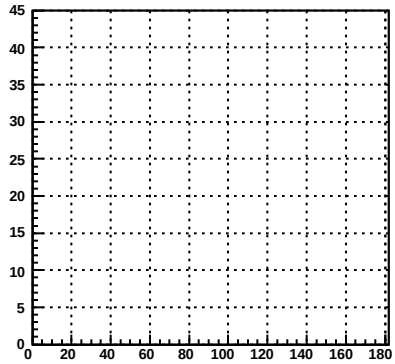
Sec. 15 charge per pad



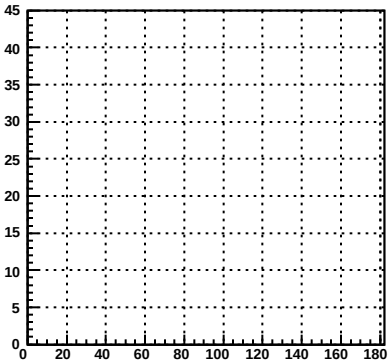
Sec. 16 charge per pad



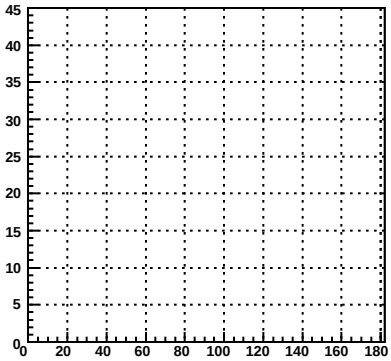
Sec. 17 charge per pad



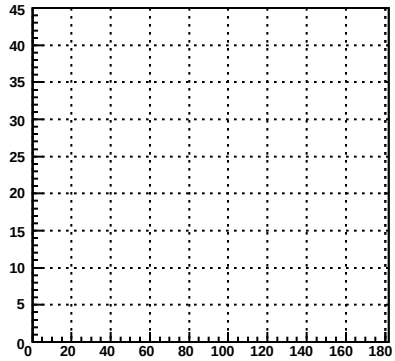
Sec. 18 charge per pad



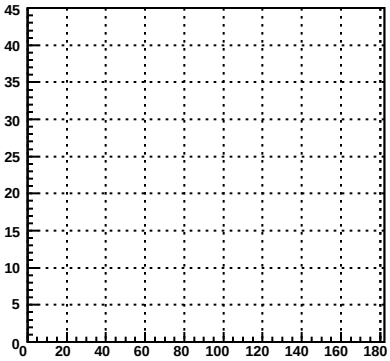
Sec. 19 charge per pad



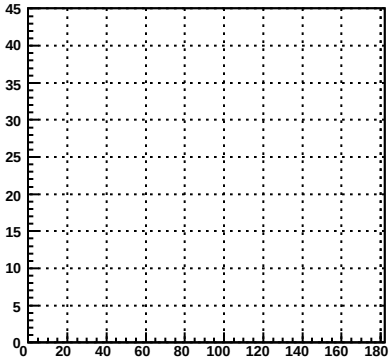
Sec. 20 charge per pad



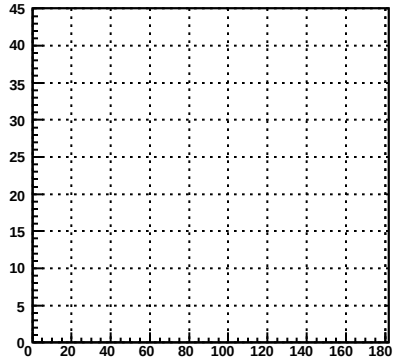
Sec. 21 charge per pad



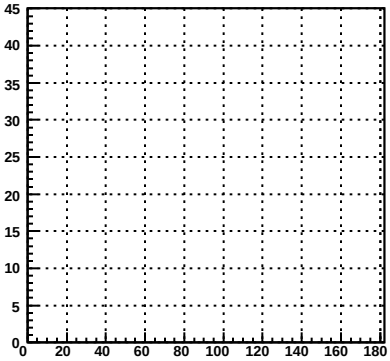
Sec. 22 charge per pad

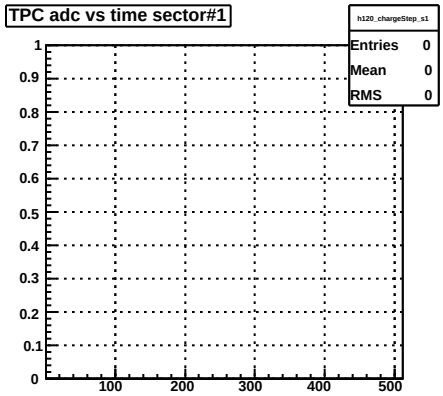


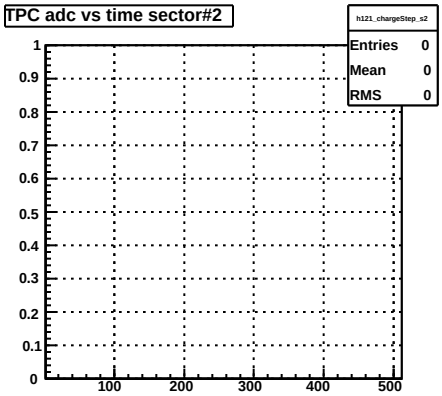
Sec. 23 charge per pad

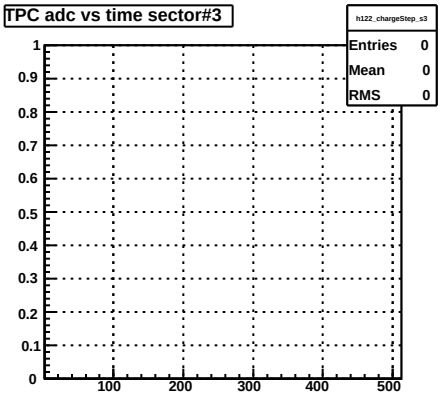


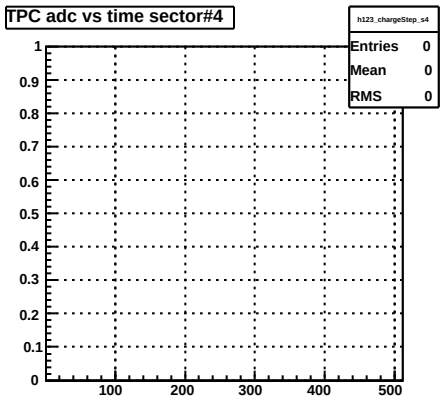
Sec. 24 charge per pad

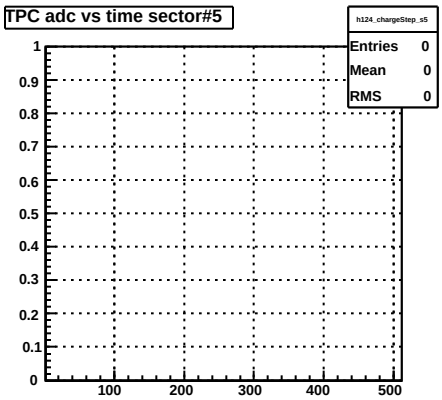


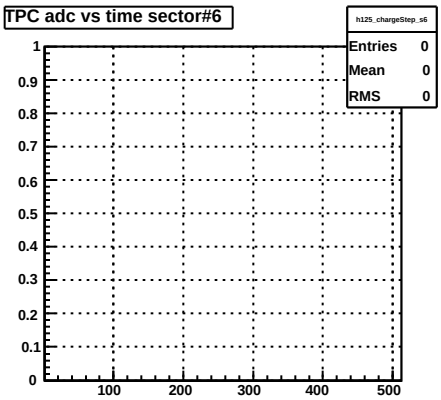

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 0
Mean 0
RMS 0

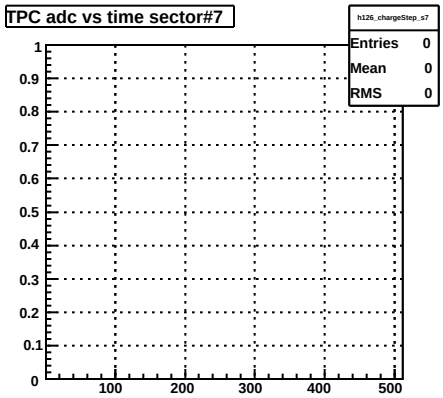

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 0
Mean 0
RMS 0

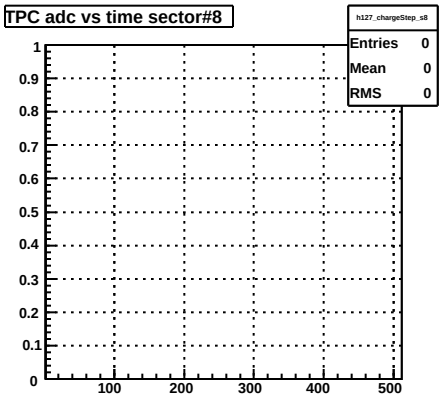

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 0
Mean 0
RMS 0

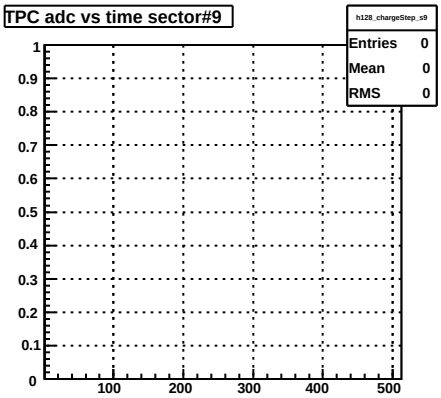

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 0
Mean 0
RMS 0

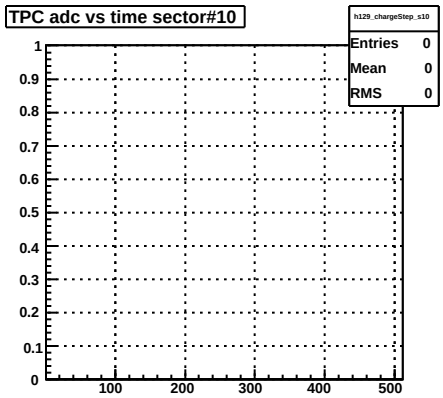

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 0
Mean 0
RMS 0

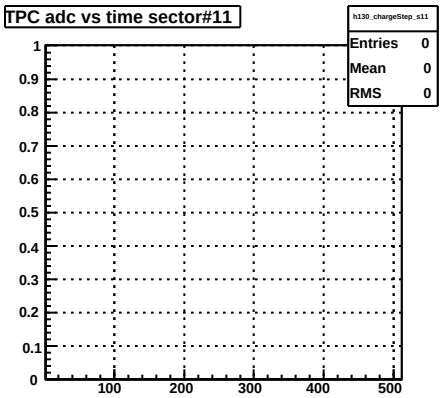

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 0
Mean 0
RMS 0

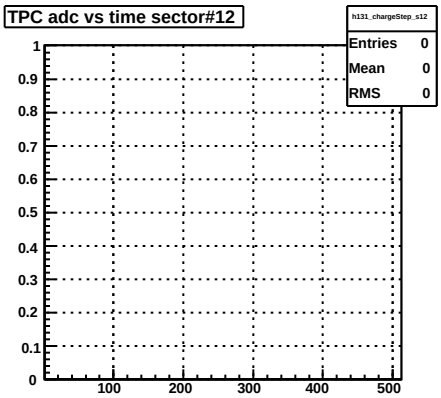

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 0
Mean 0
RMS 0

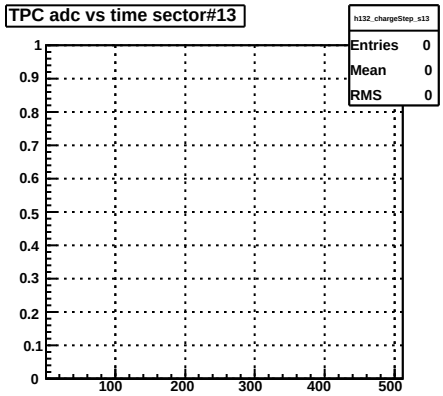

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 0
Mean 0
RMS 0

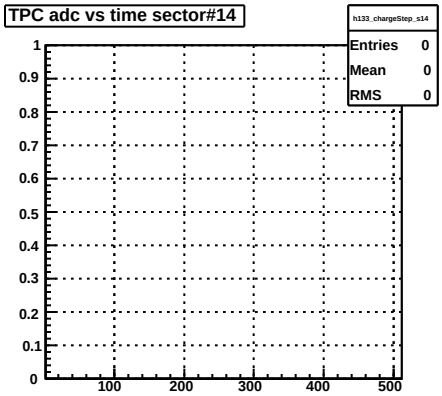

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 0
Mean 0
RMS 0

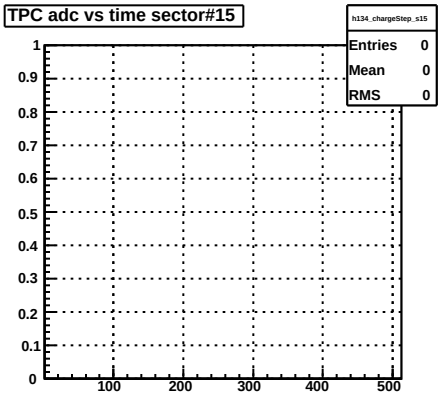

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 0
Mean 0
RMS 0

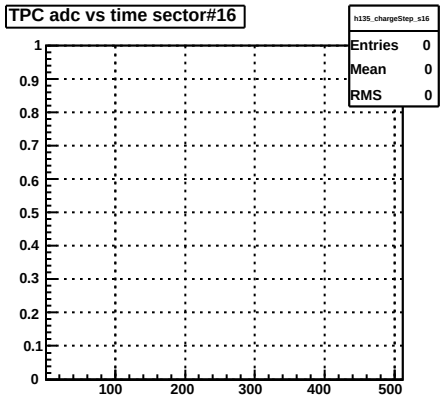

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 0
Mean 0
RMS 0

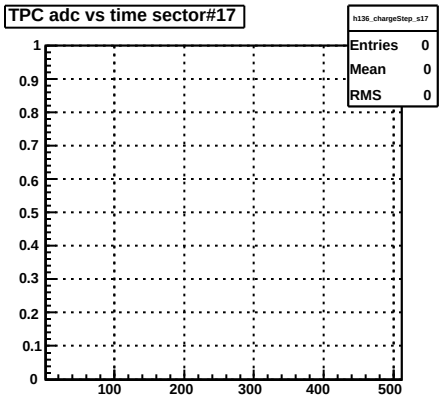

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 0
Mean 0
RMS 0

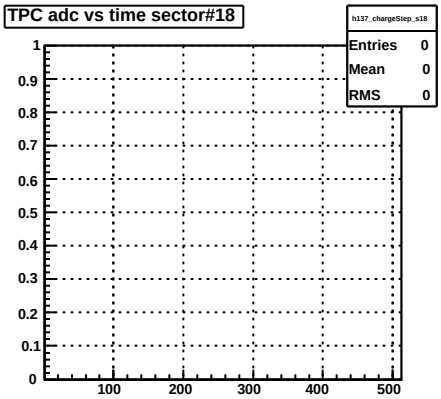

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 0
Mean 0
RMS 0

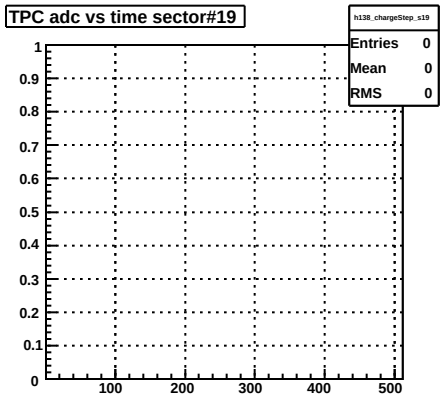

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 0
Mean 0
RMS 0

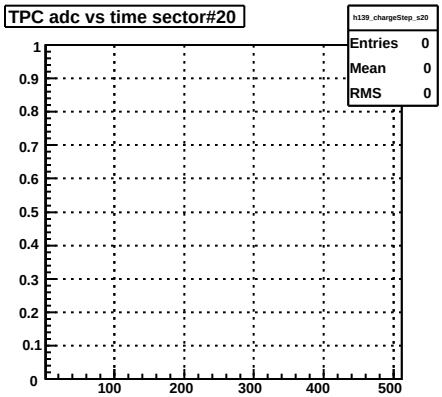

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 0
Mean 0
RMS 0

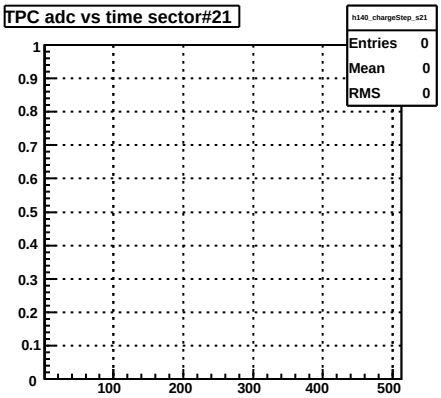

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 0
Mean 0
RMS 0

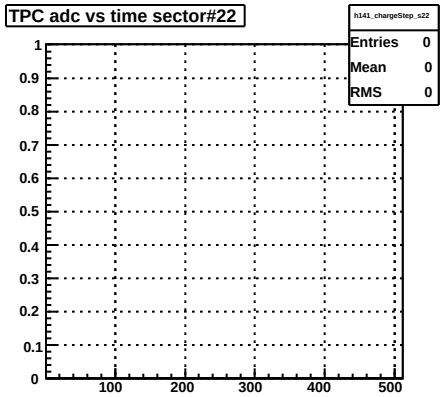

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 0
Mean 0
RMS 0

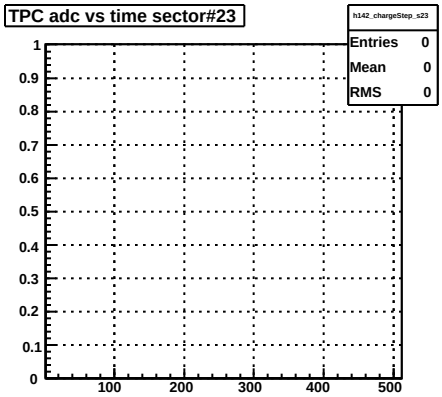

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 0
Mean 0
RMS 0

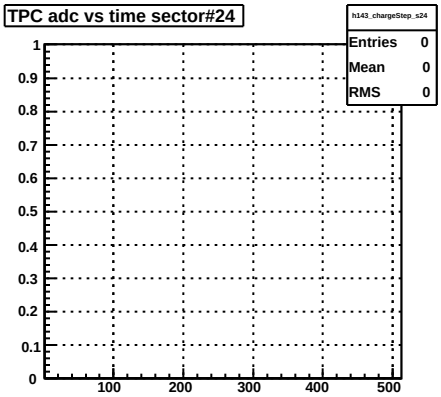

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 0
Mean 0
RMS 0

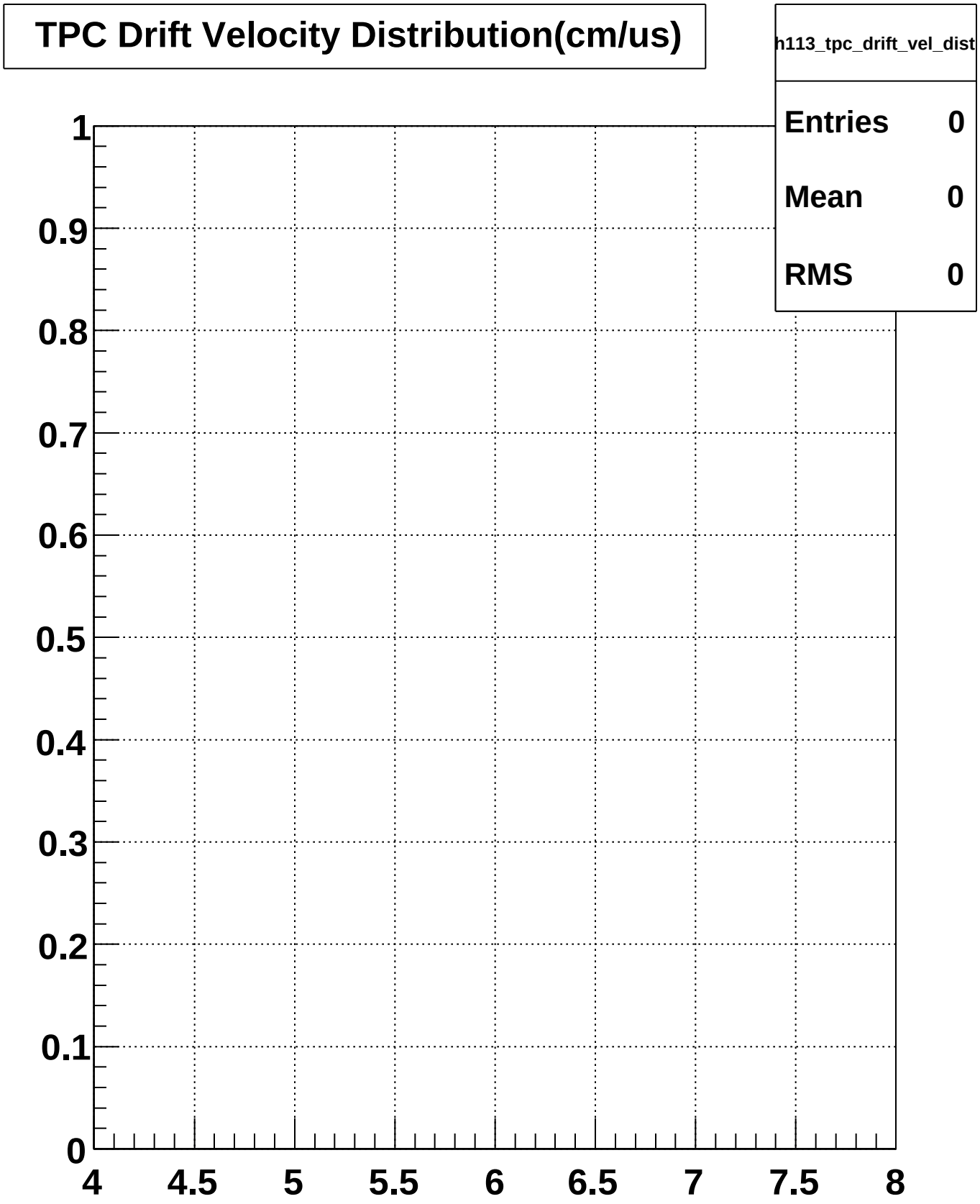

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 0
Mean 0
RMS 0


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

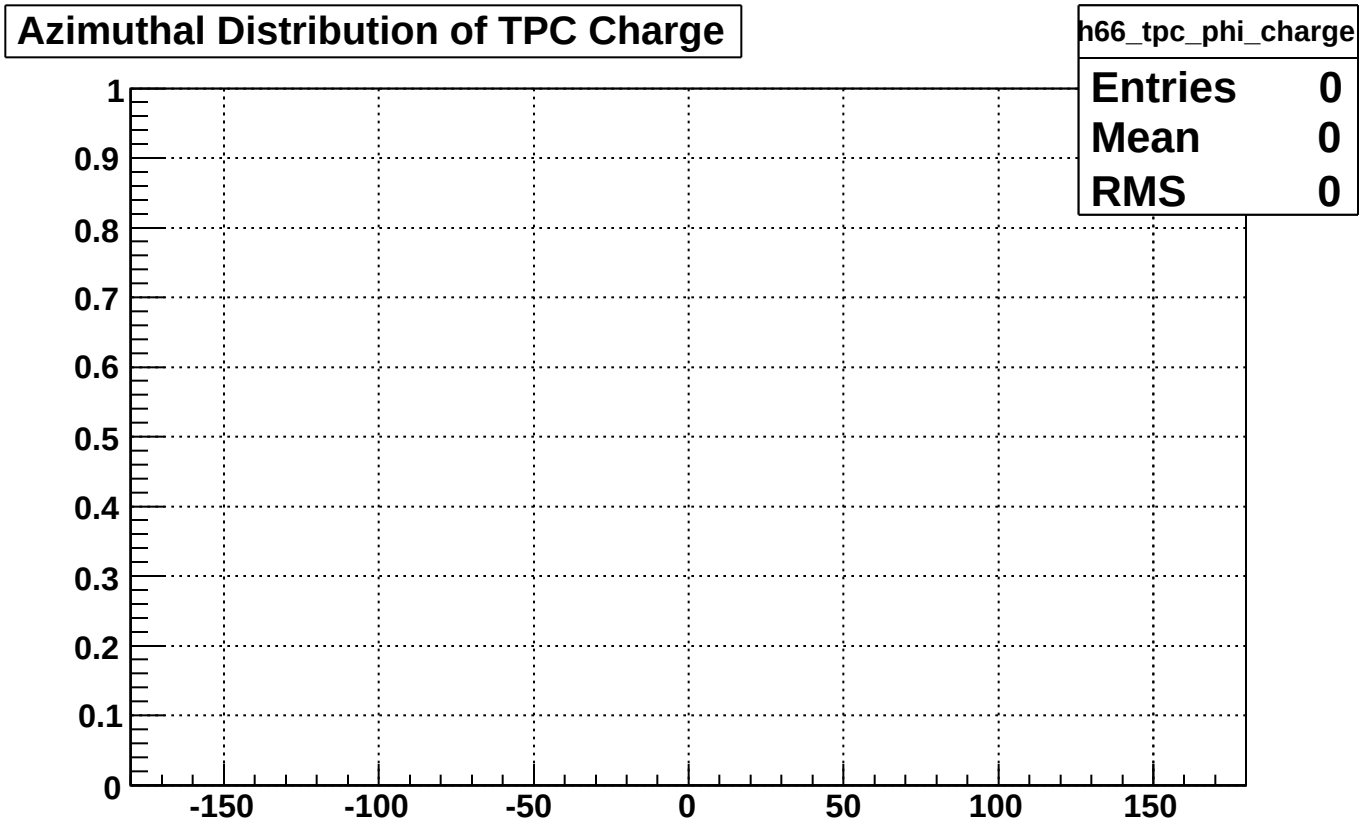

TPC adc vs time sector#22
h141_chargeStep_s22
Entries 0
Mean 0
RMS 0

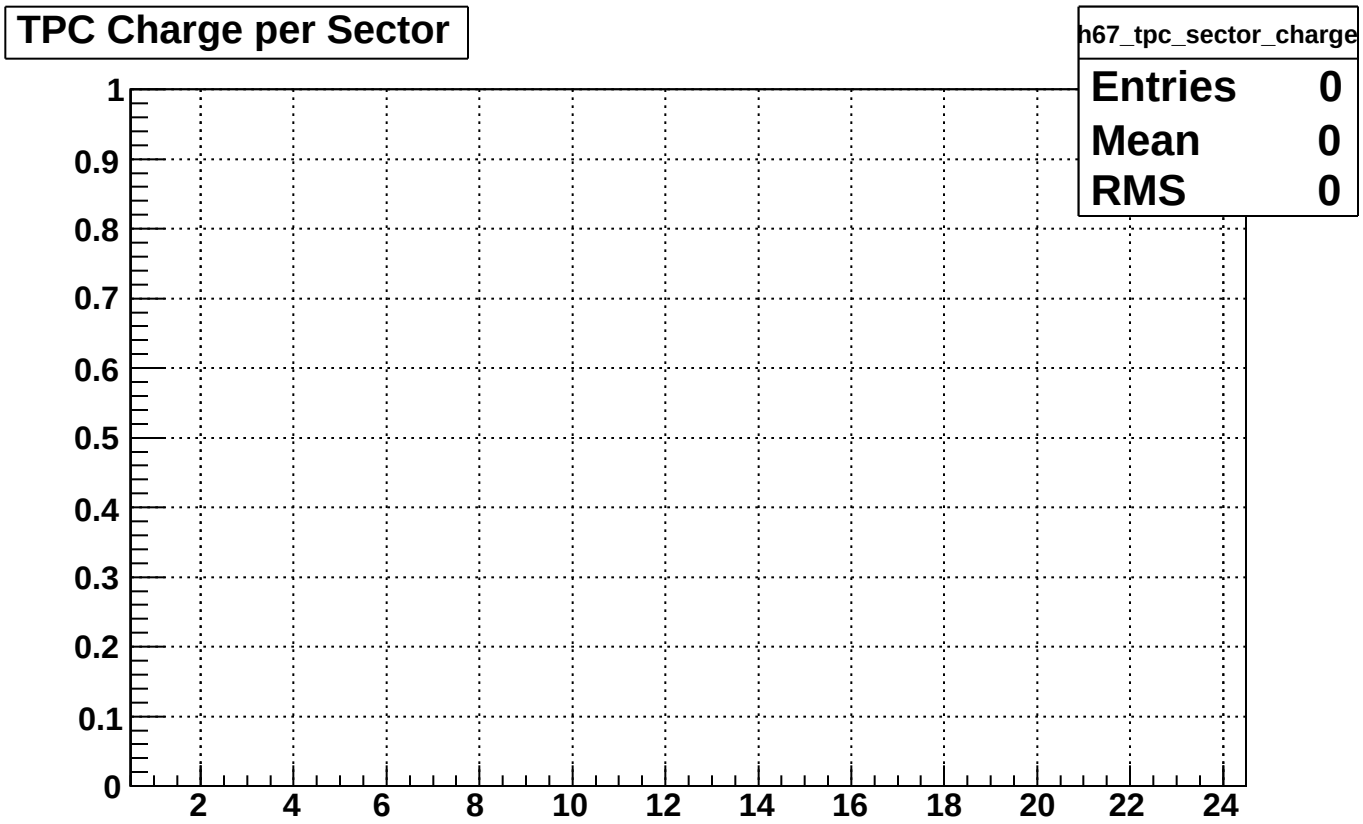

TPC adc vs time sector#23
h142_chargeStep_s23
Entries 0
Mean 0
RMS 0

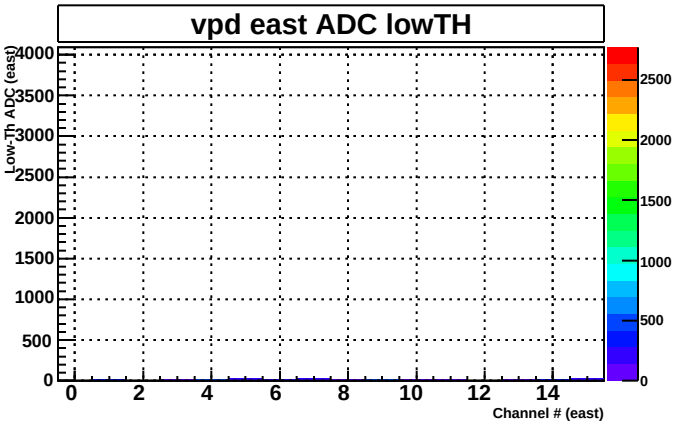

TPC adc vs time sector#24
h143_chargeStep_s24
Entries 0
Mean 0
RMS 0

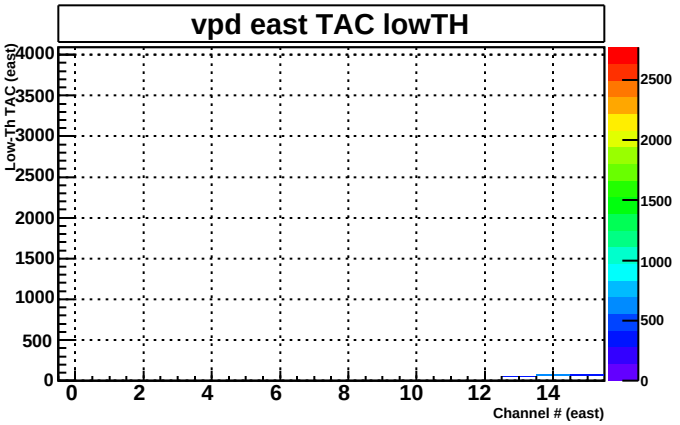

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4
4.5
5
5.5
6
6.5
7
7.5
8

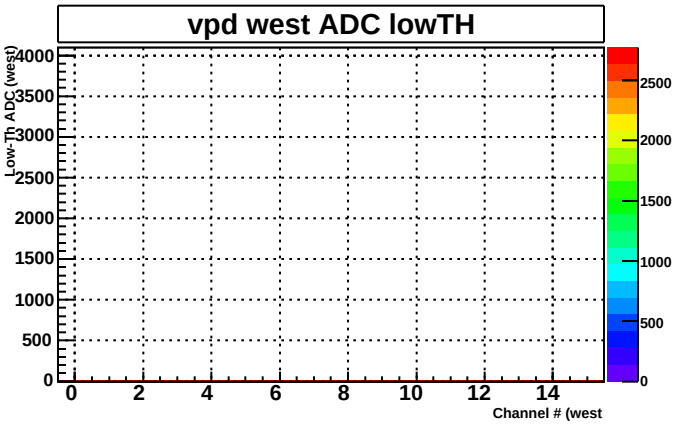
.

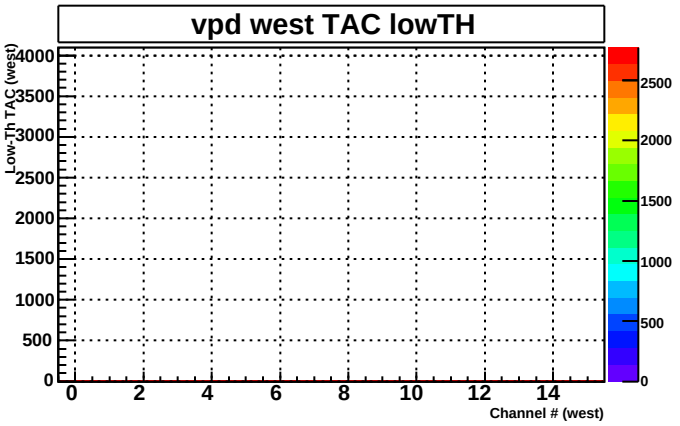

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
-150
-100
-50
0
50
100
150

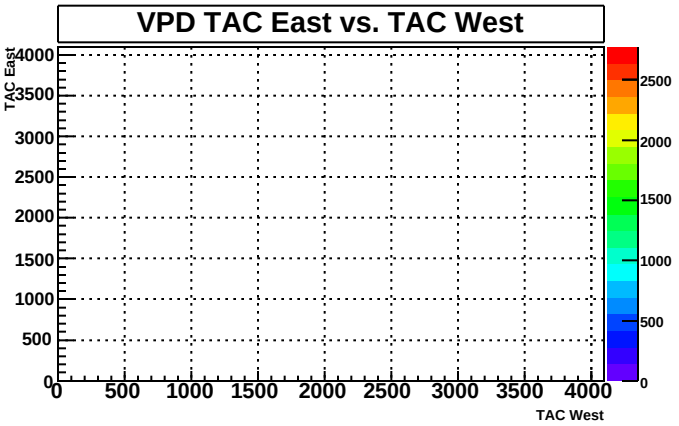

TPC Charge per Sector
h67_tpc_sector_charge
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
2
4
6
8
10
12
14
16
18
20
22
24

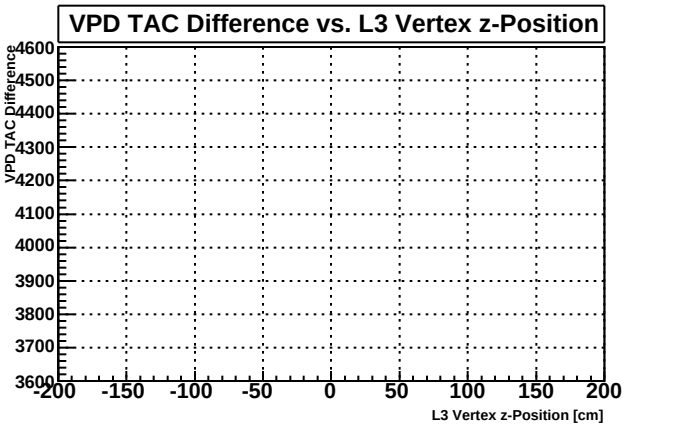

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

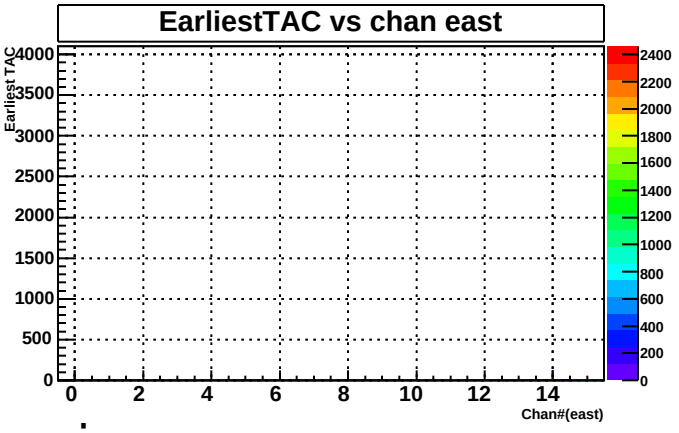

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

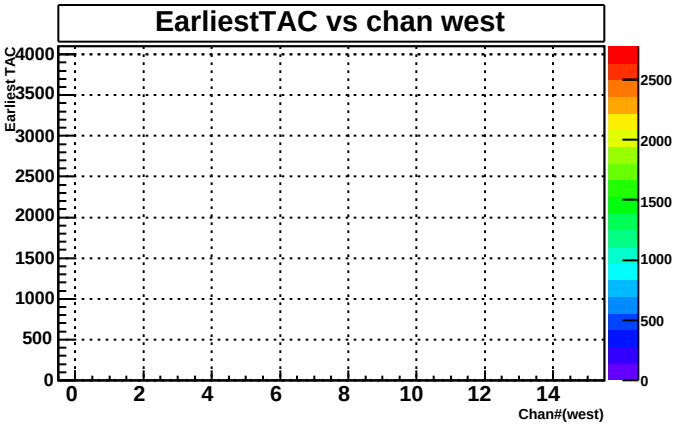

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

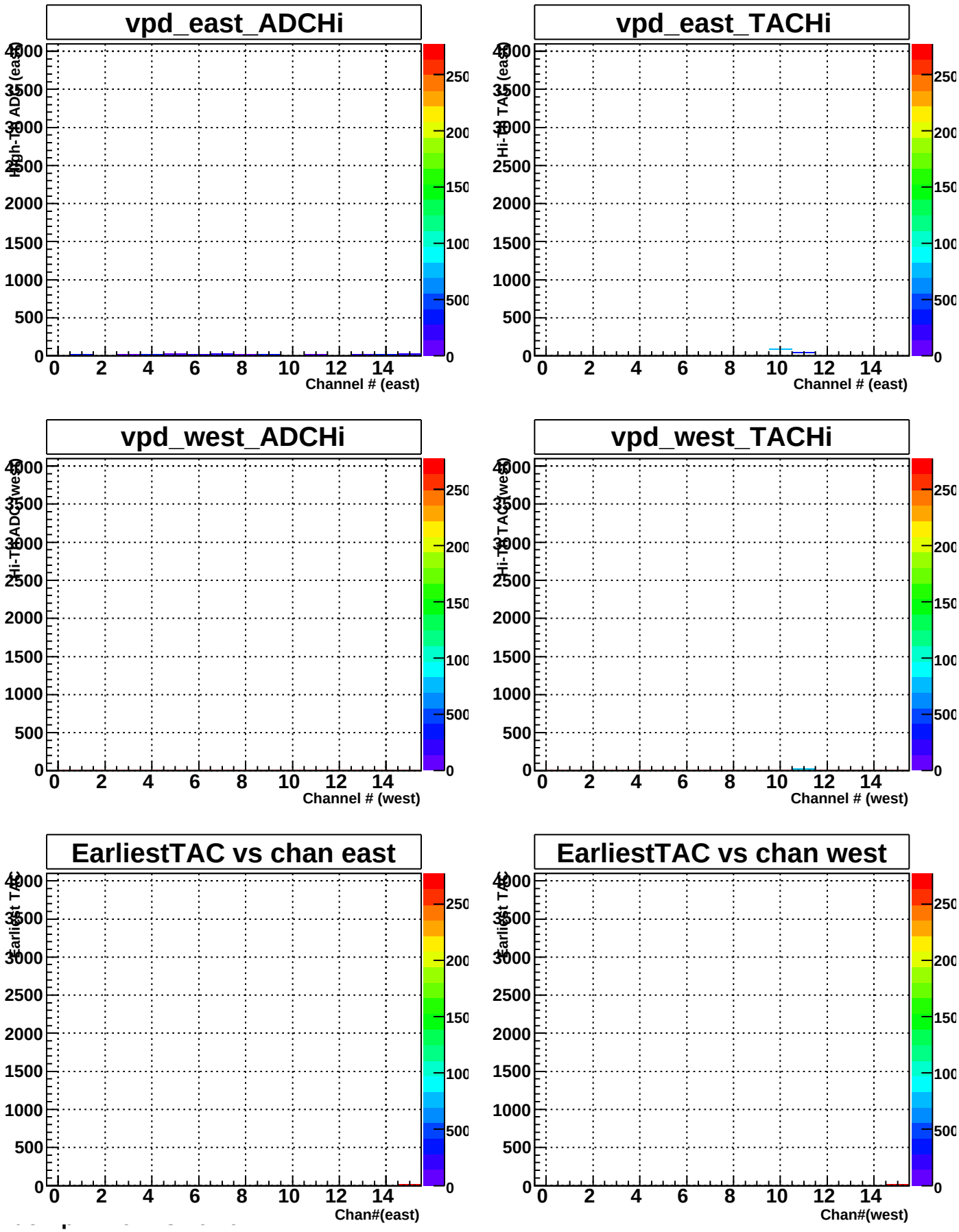

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

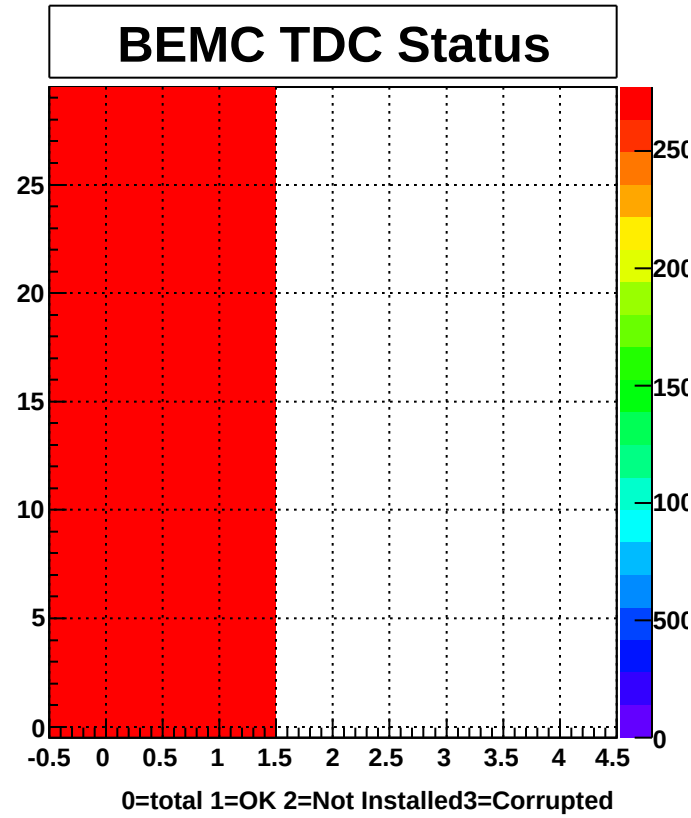

VPD TAC East vs. TAC West
TAC East
TAC West

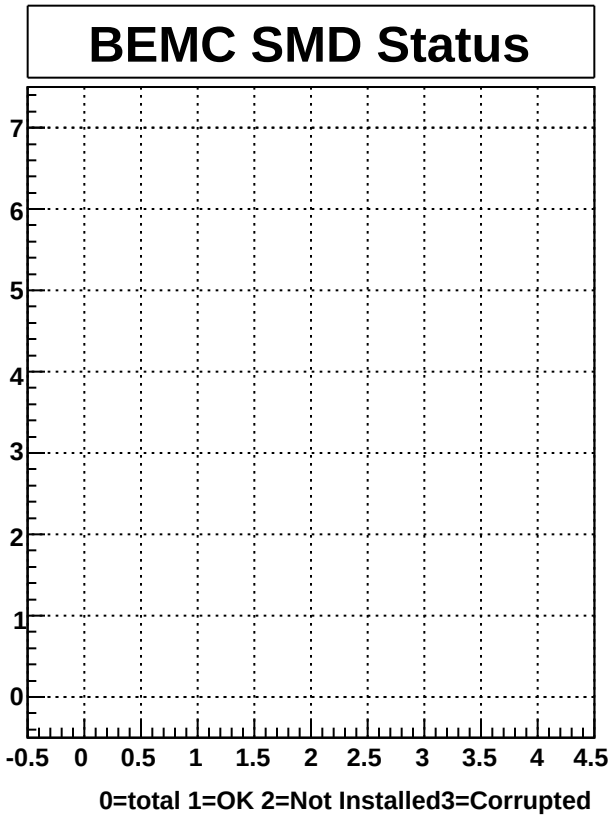

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

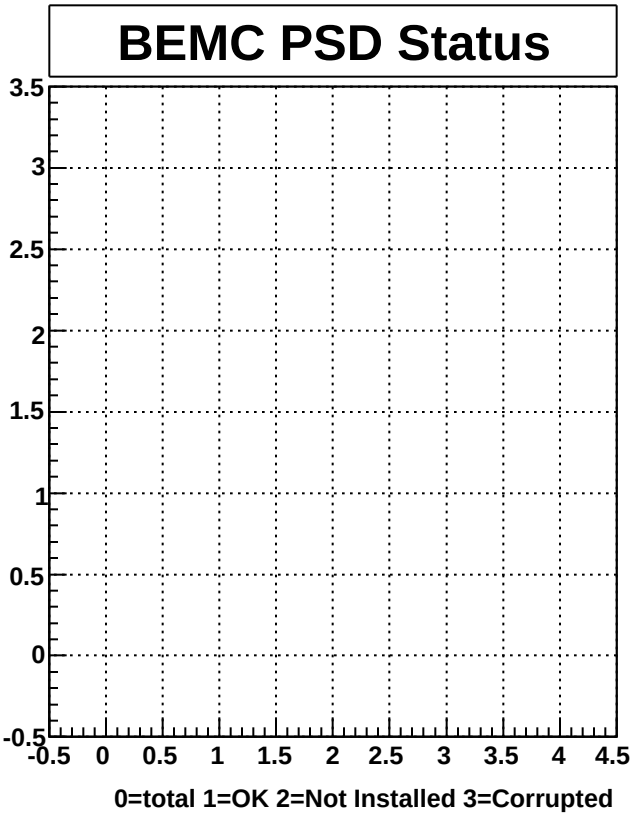

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

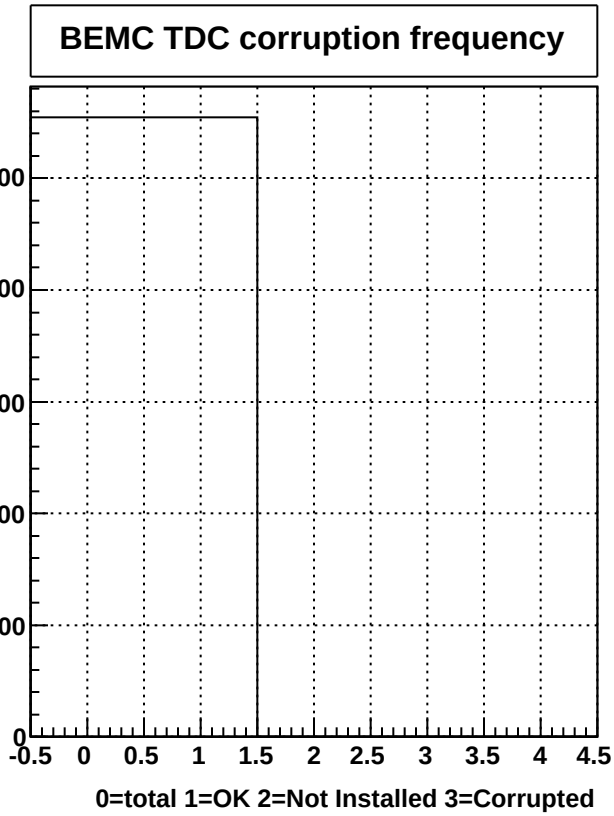

EarliestTAC vs chan west
Earliest TAC
Chan#(west)


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









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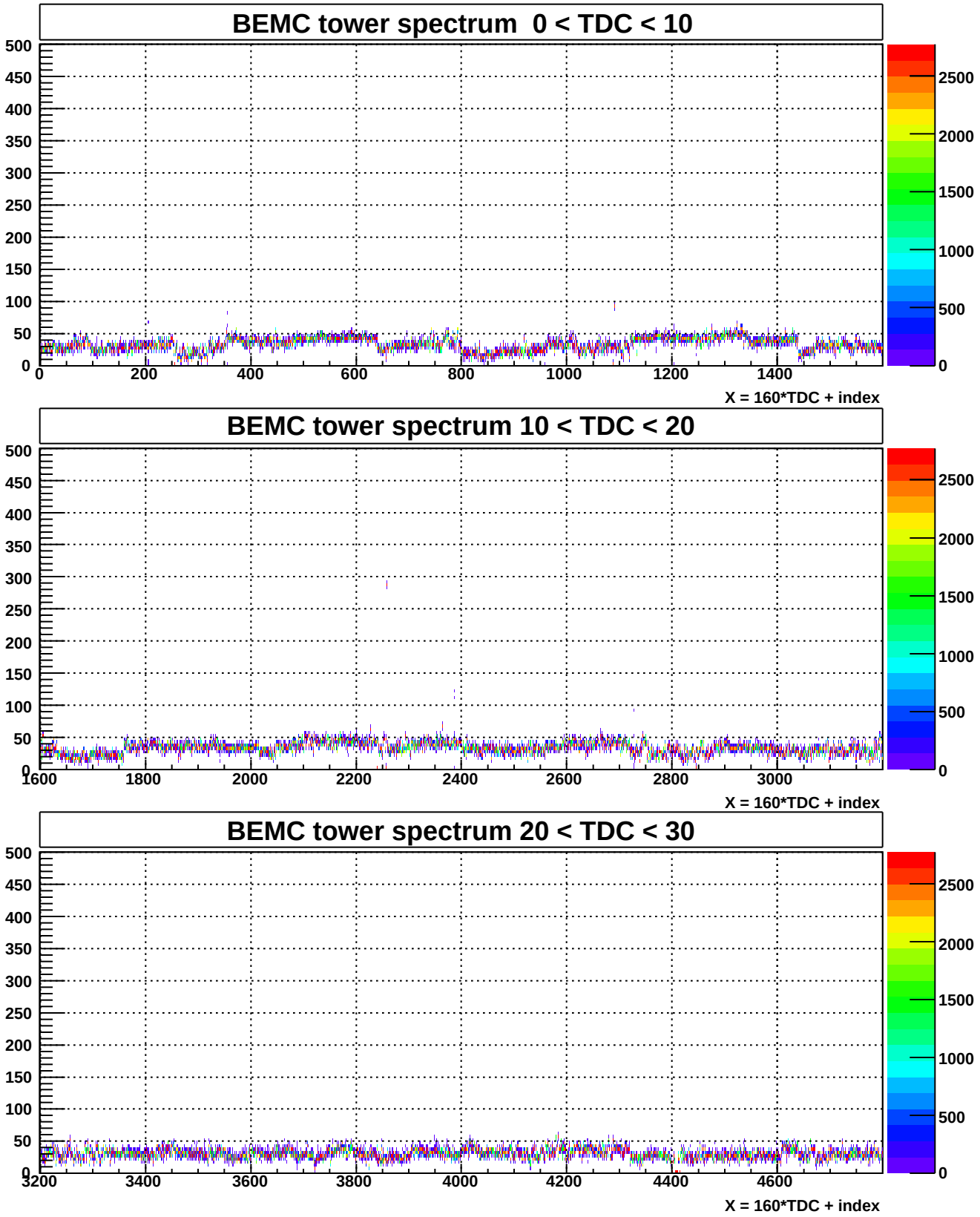

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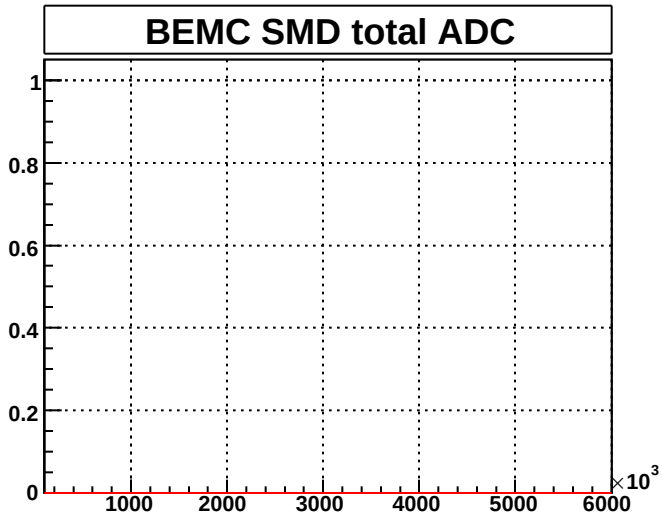

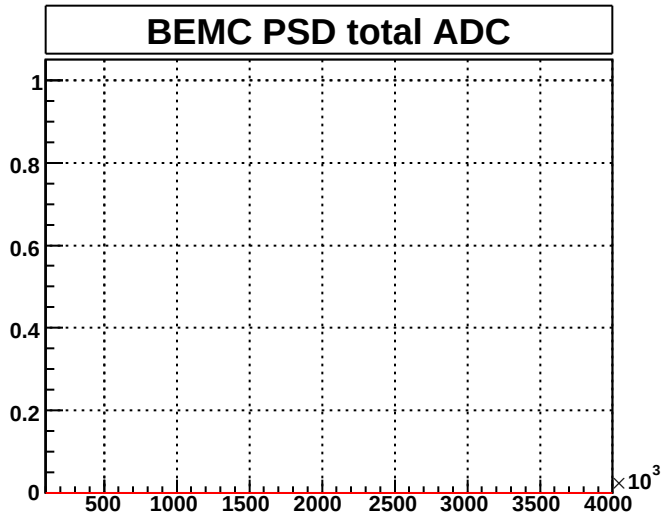

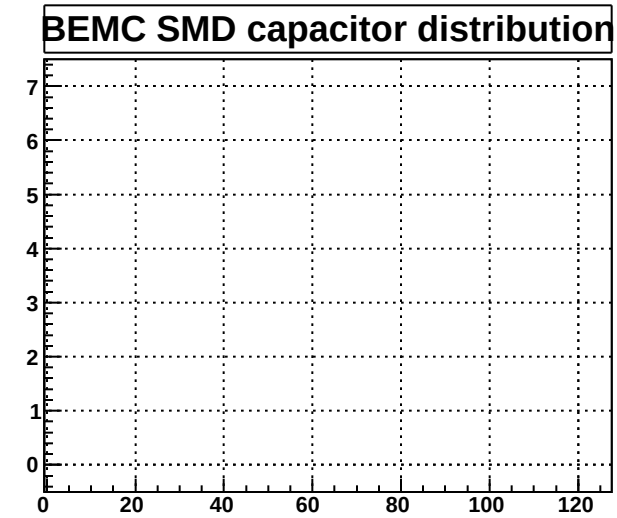

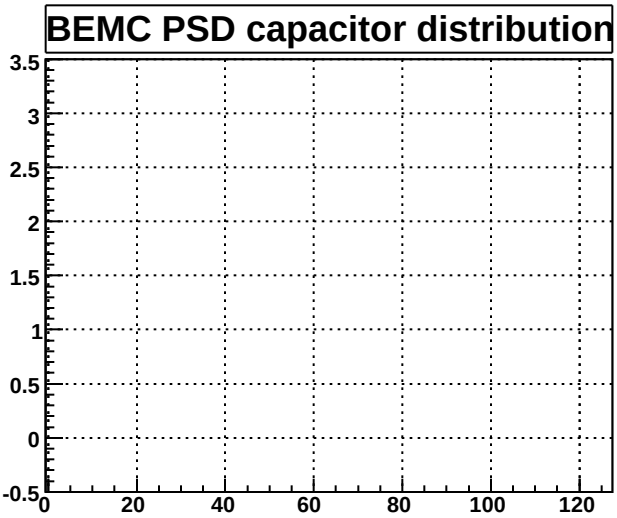

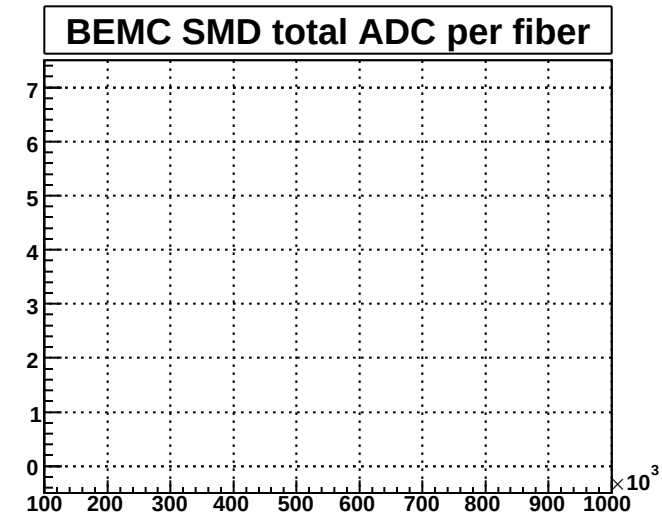

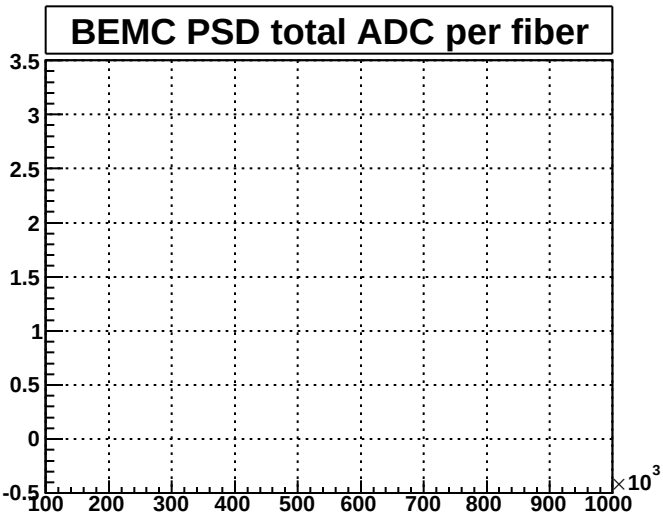

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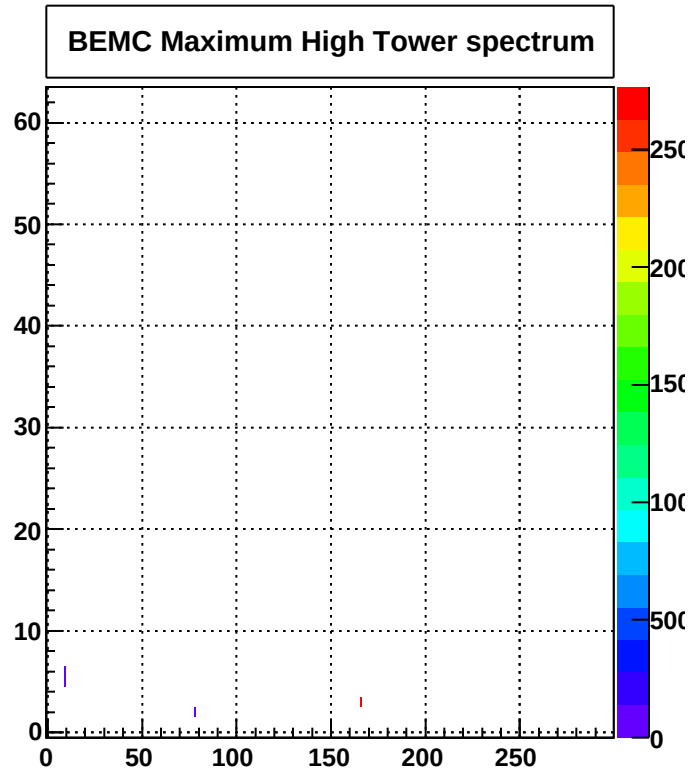

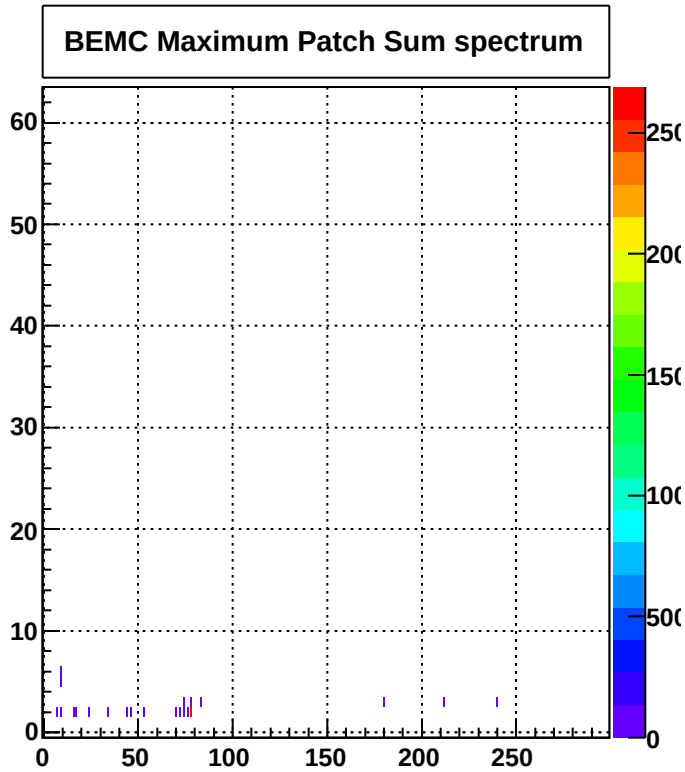

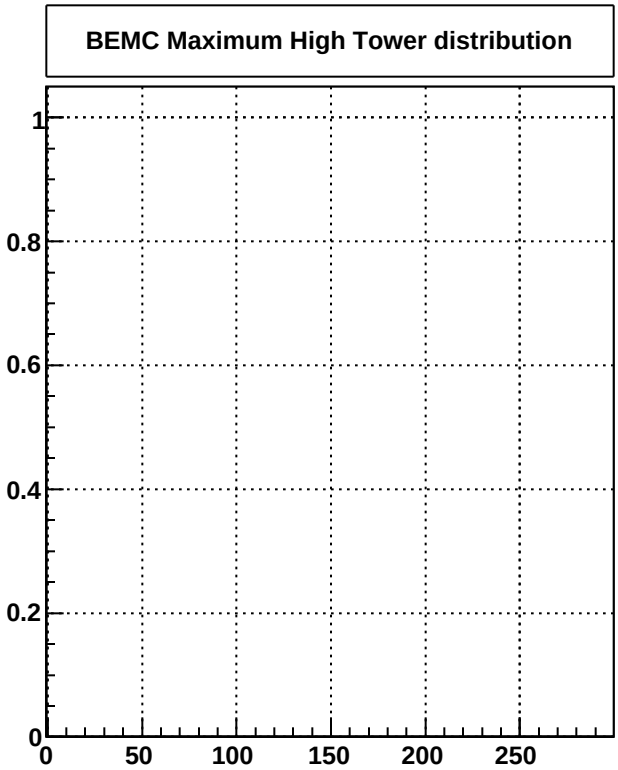

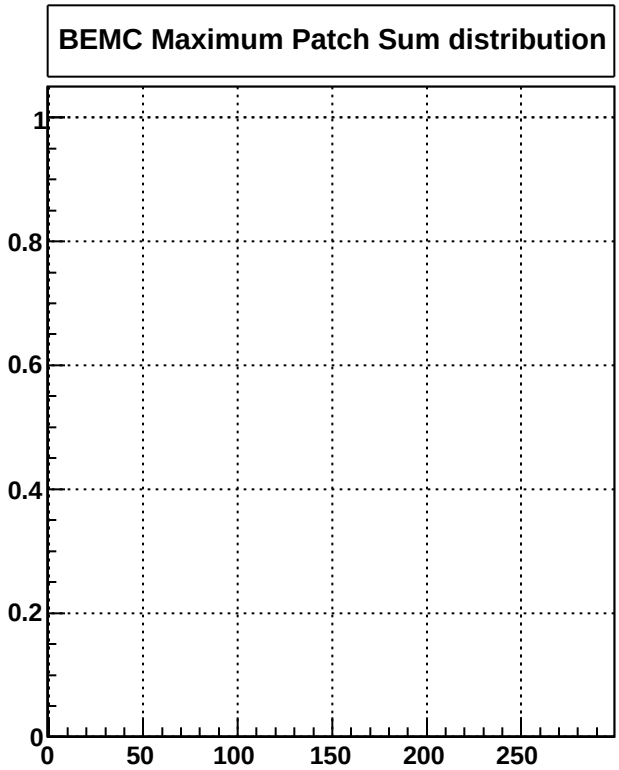

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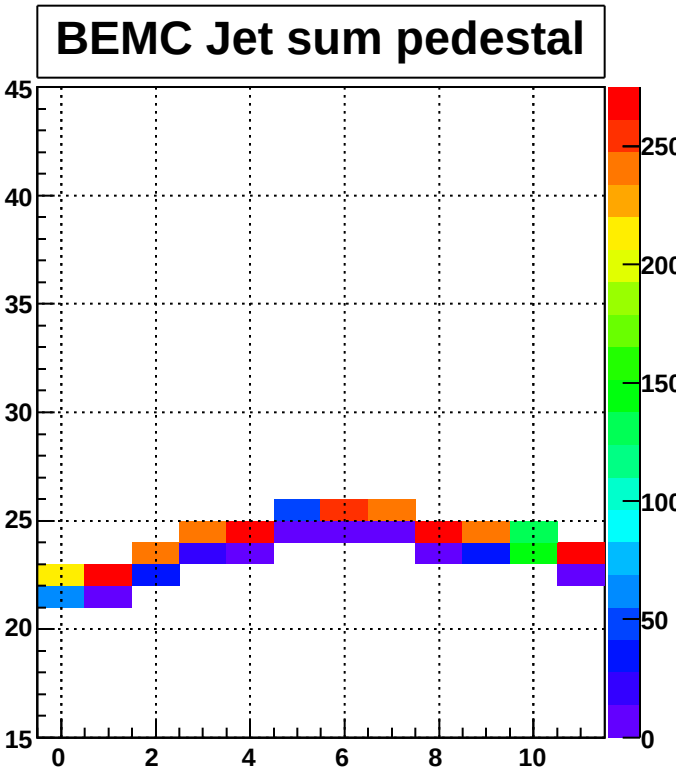
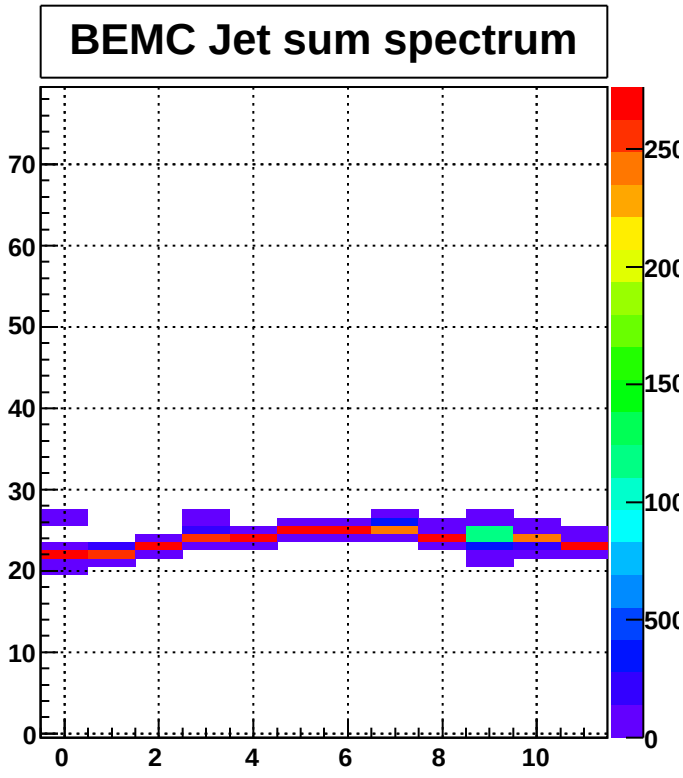
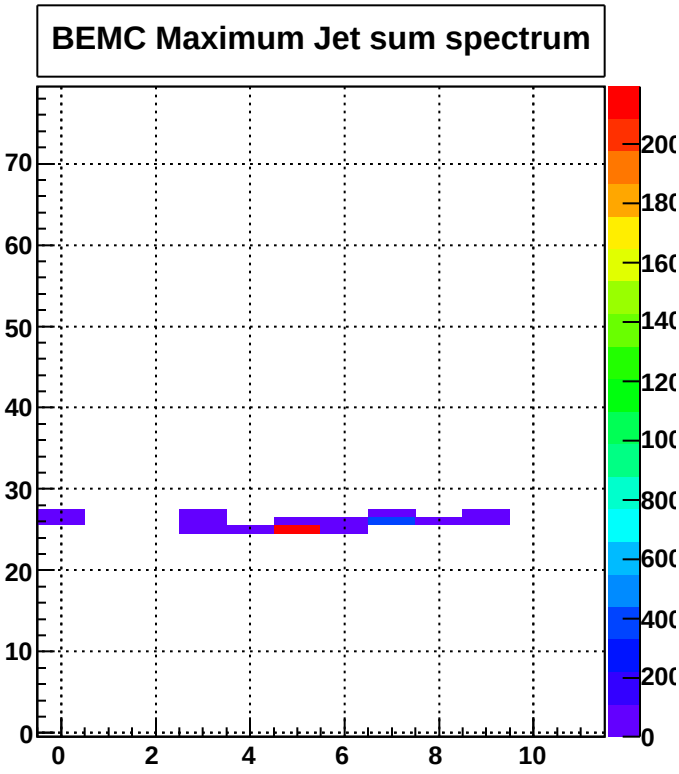
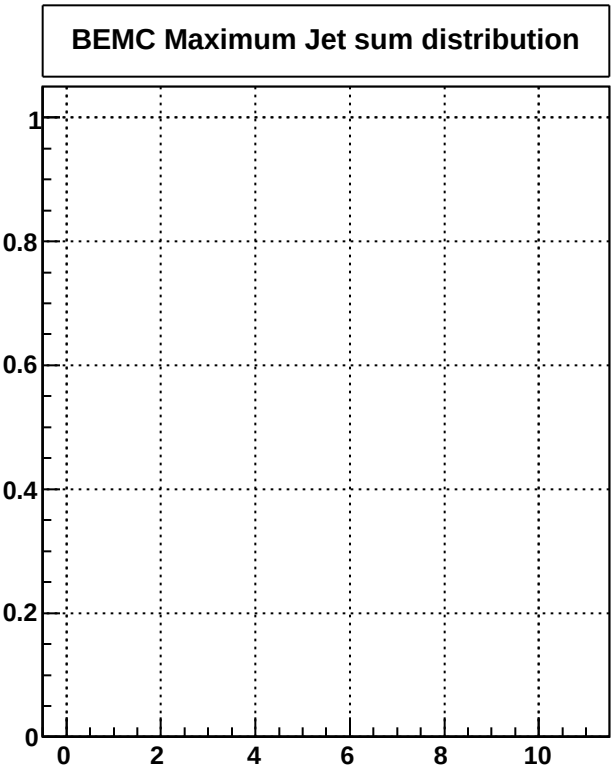
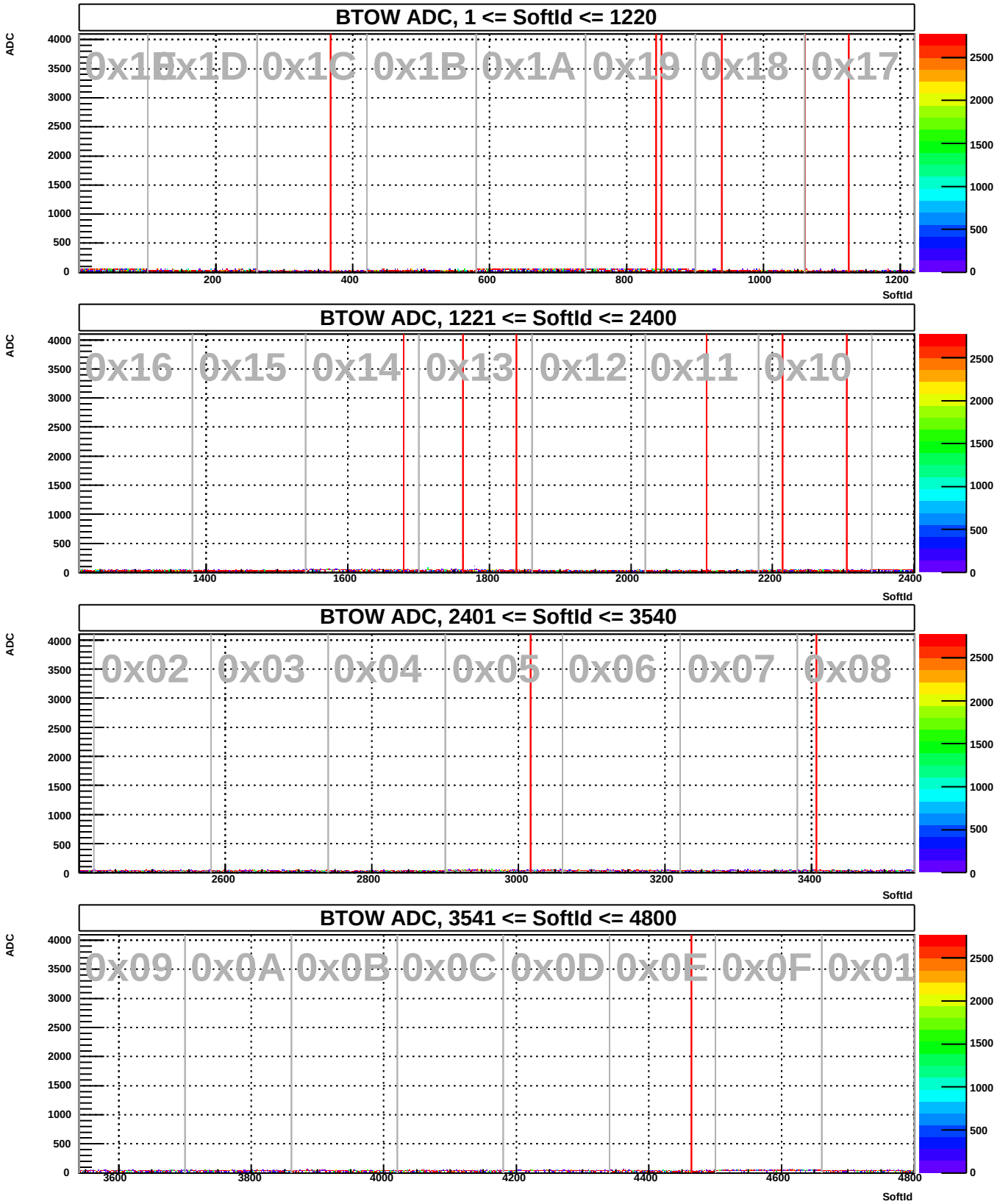








Tue Apr 12 04:43:21 2011



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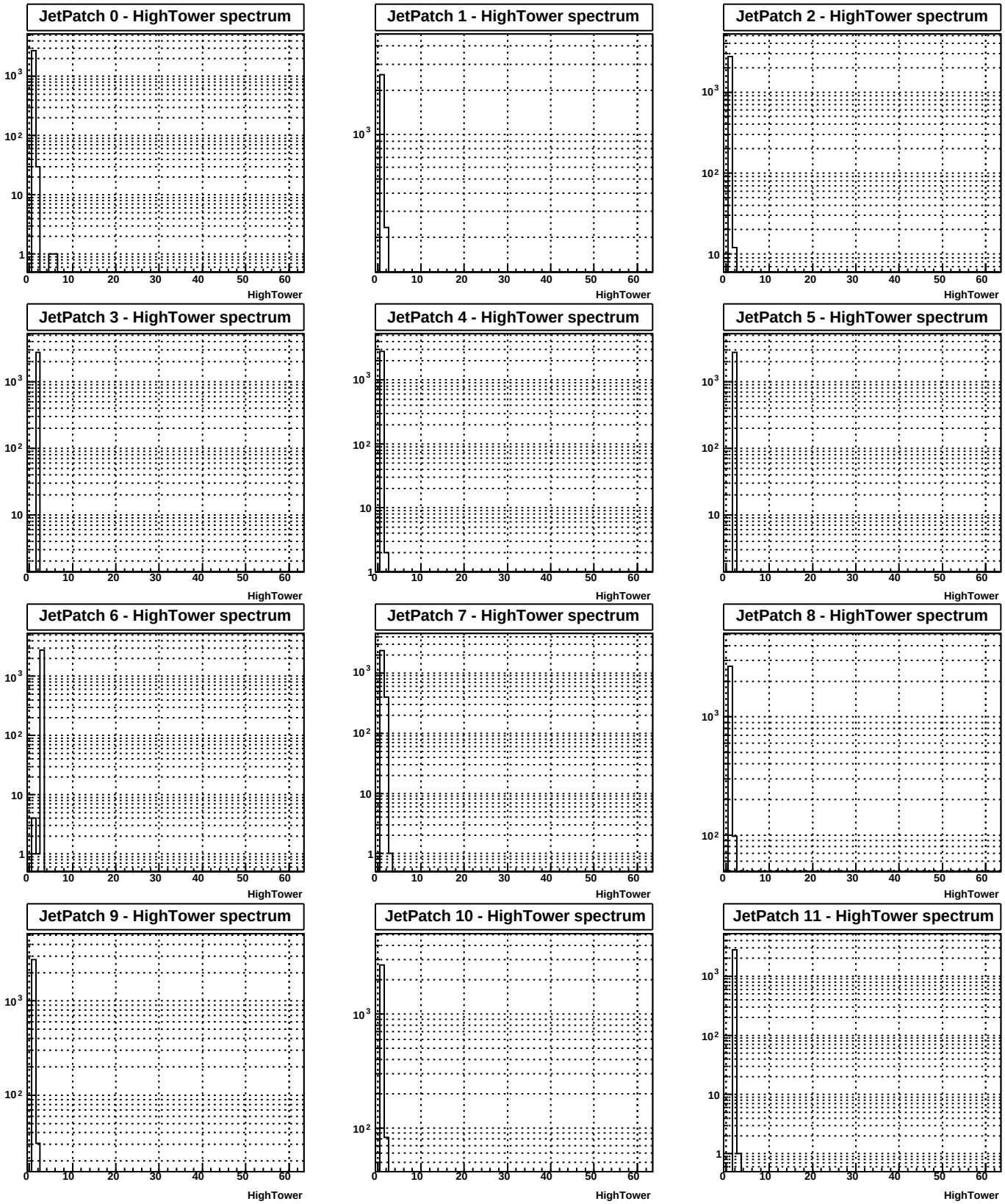
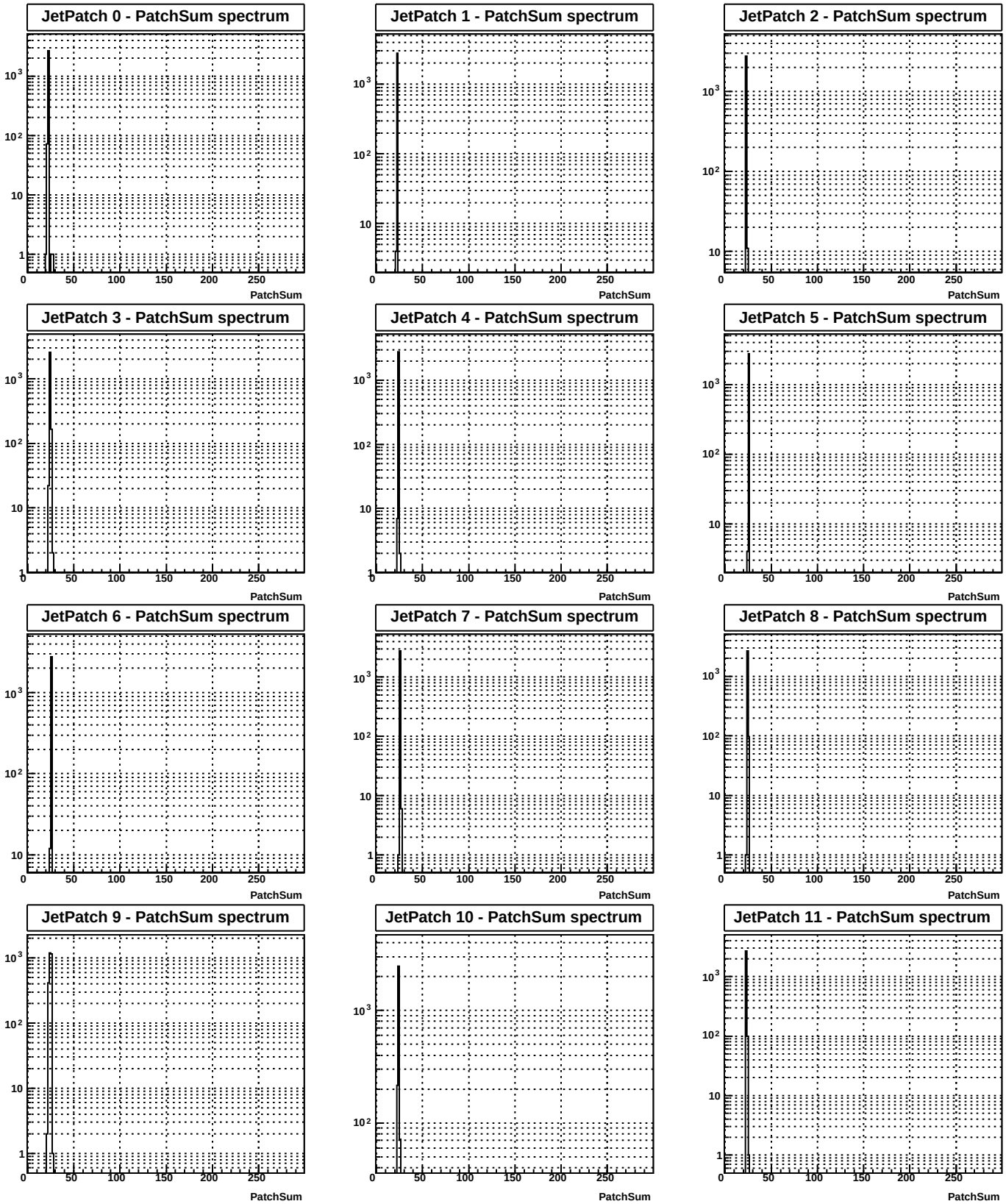


Tue Apr 12 04:43:22 2011



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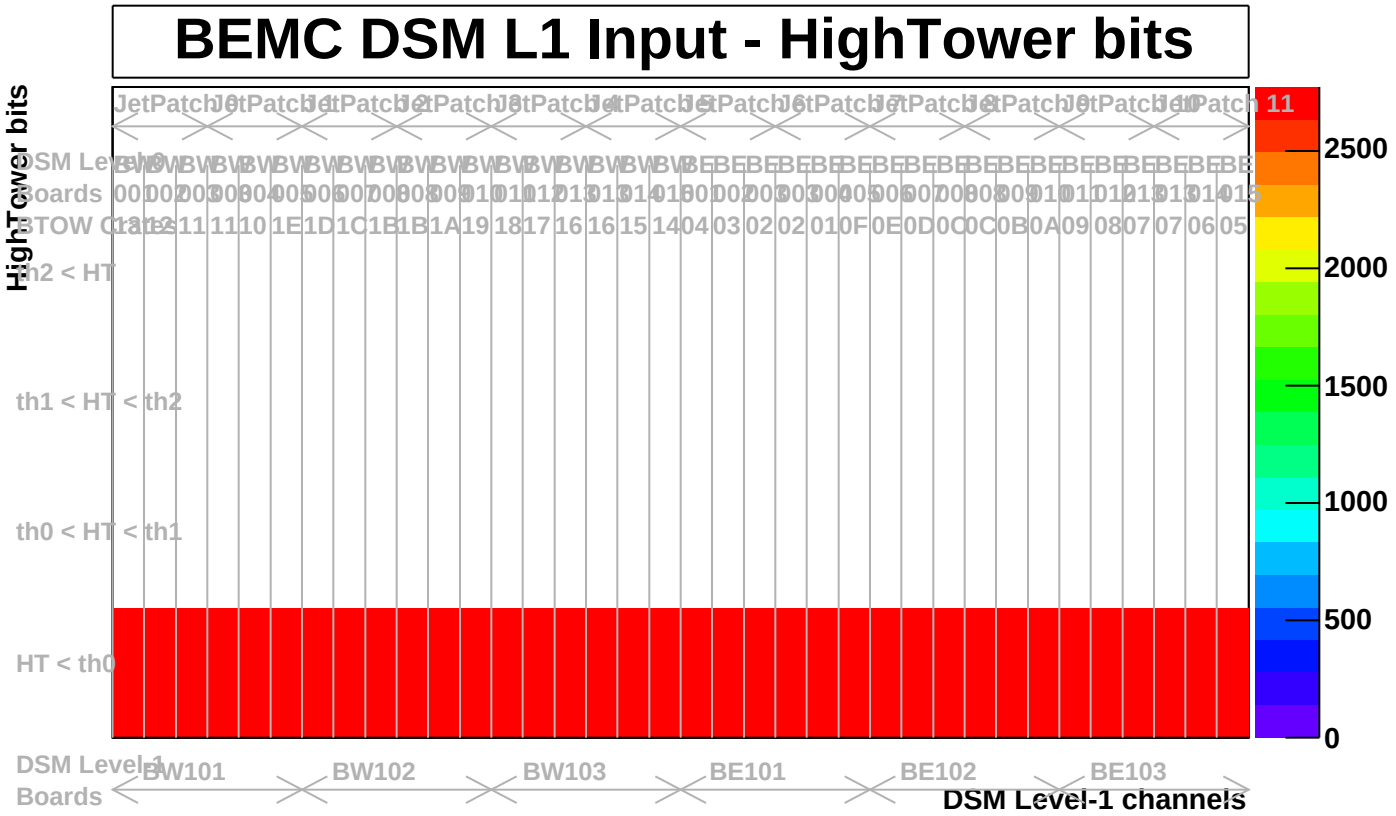

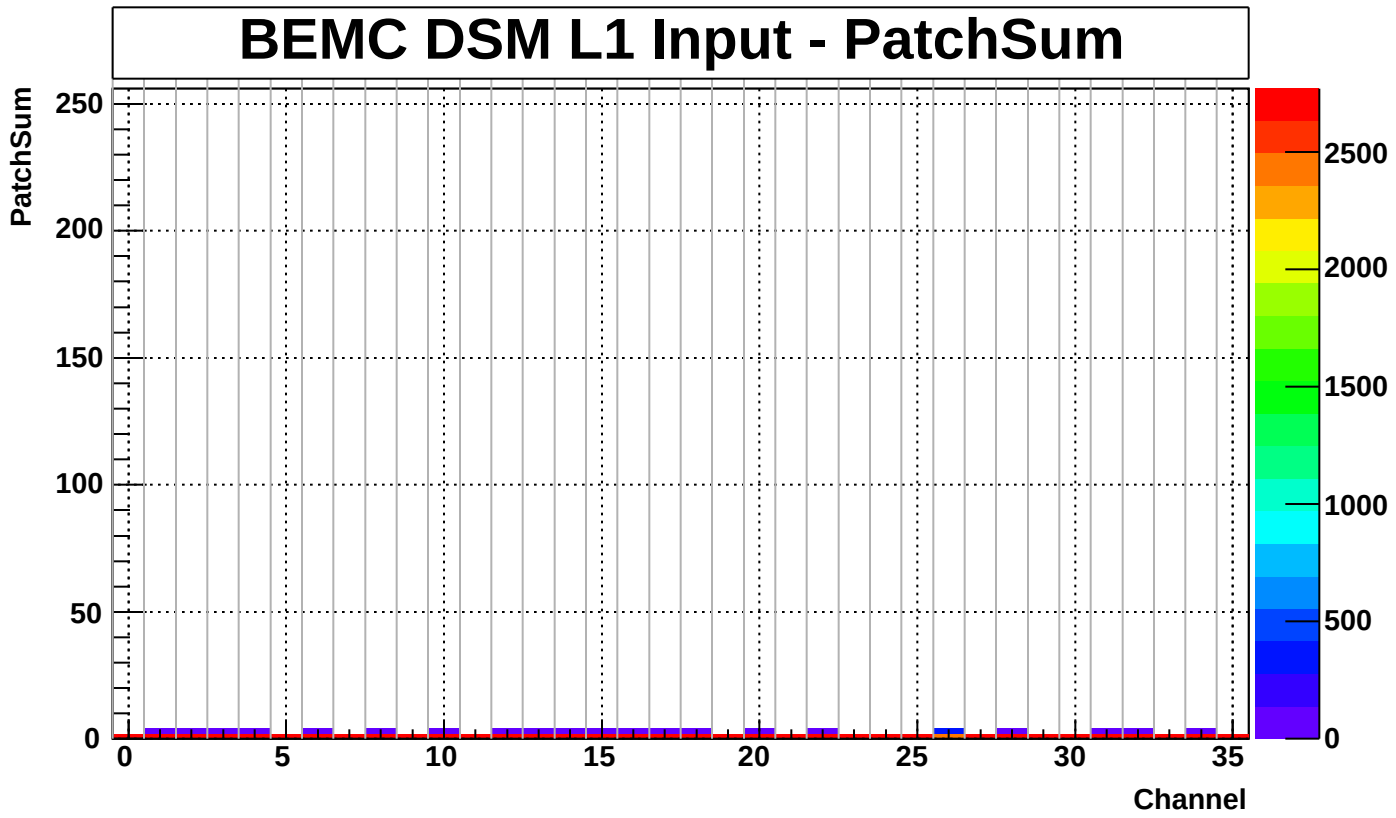

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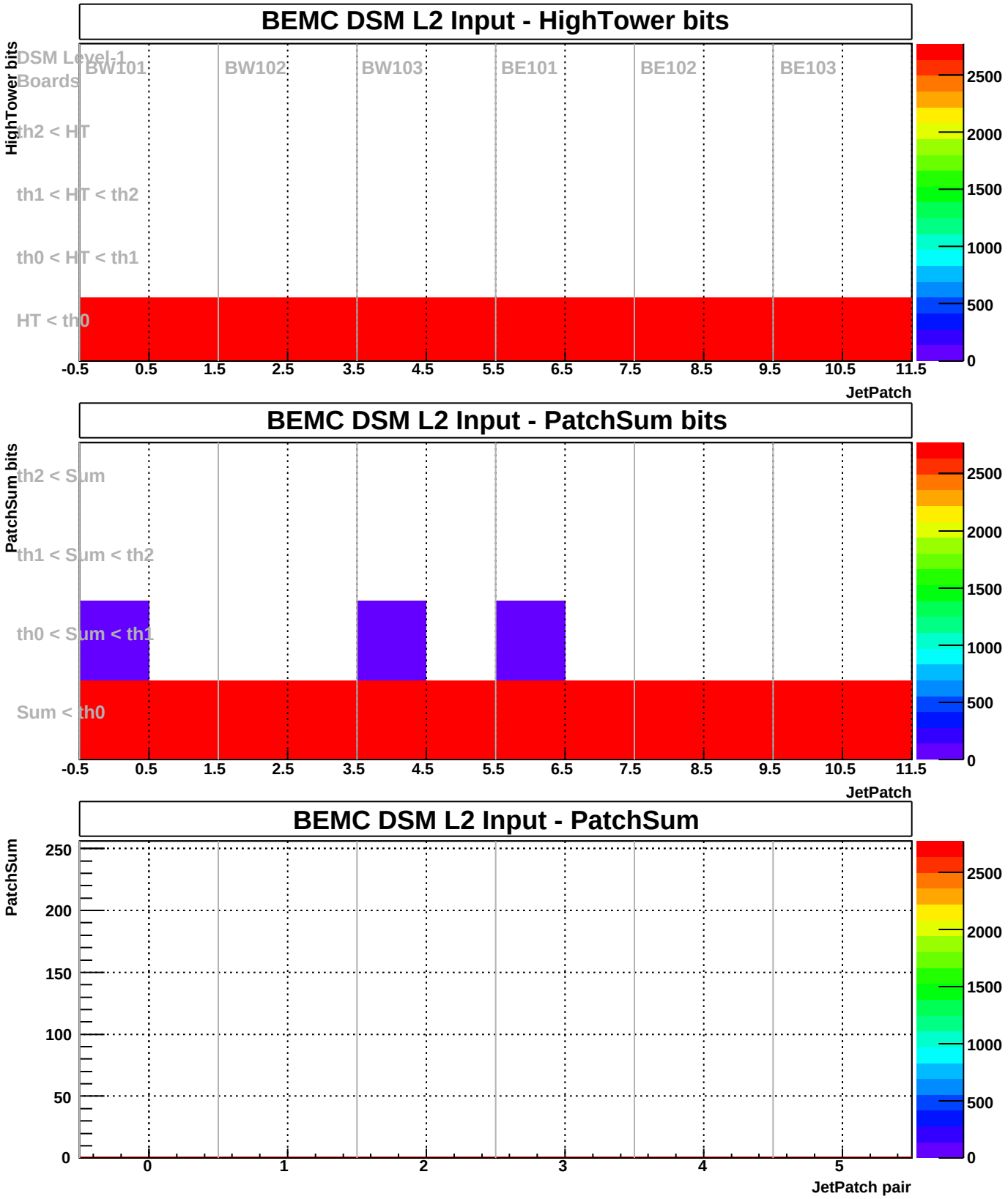

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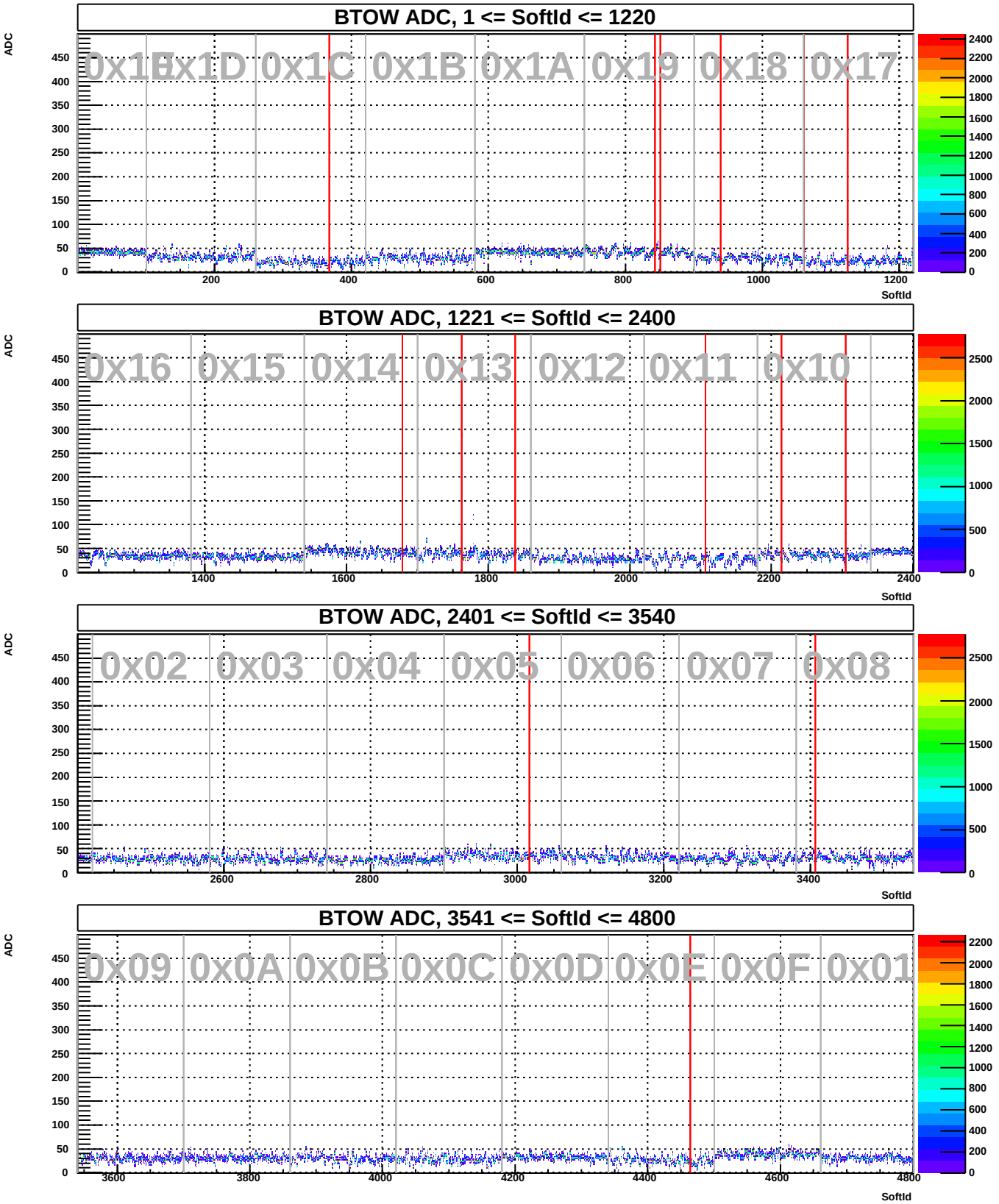

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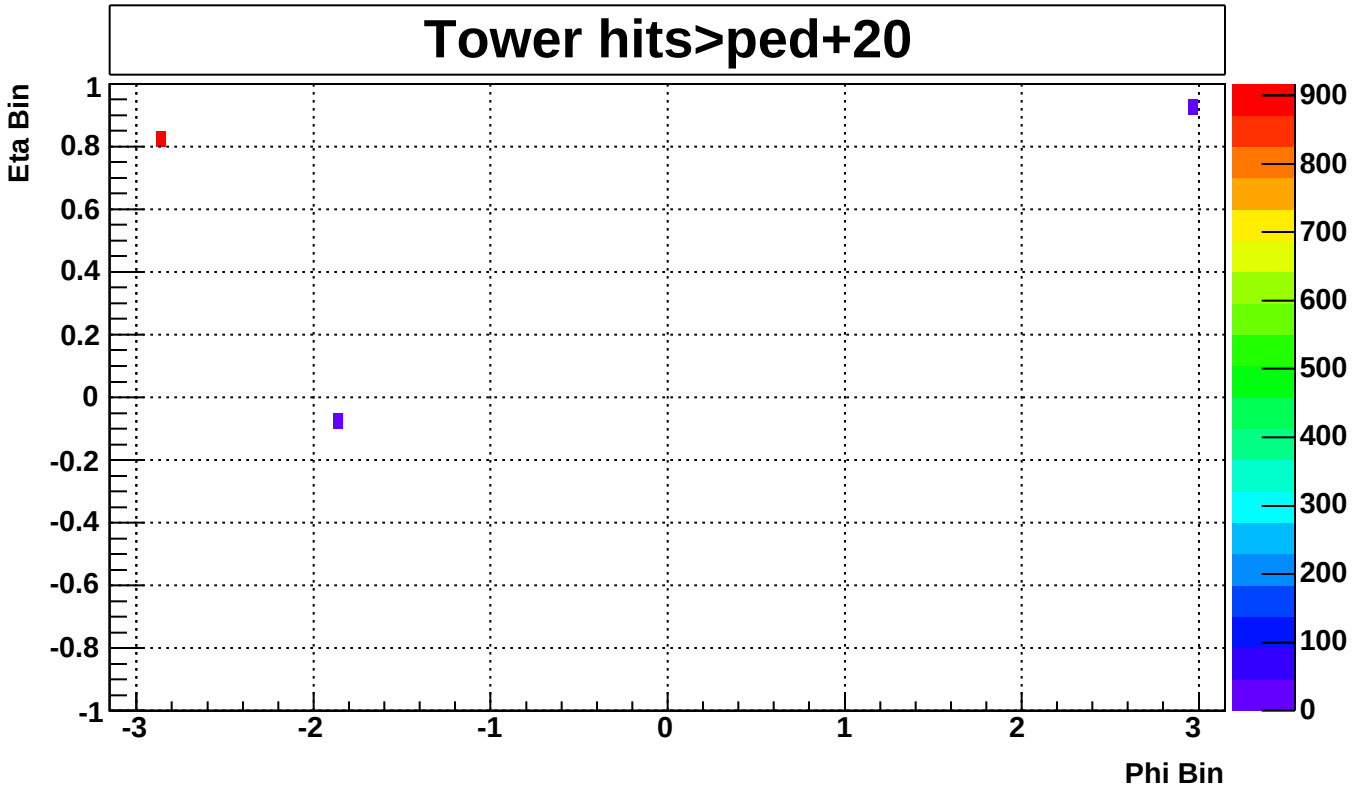
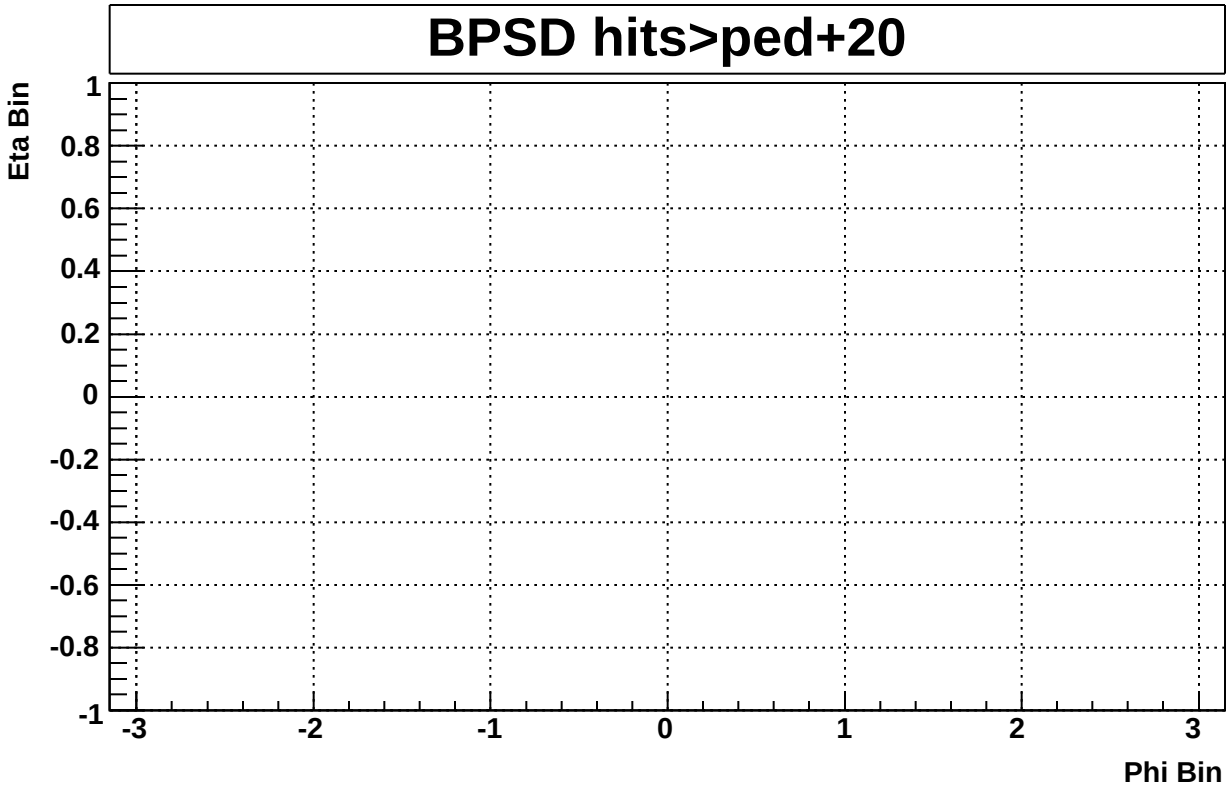
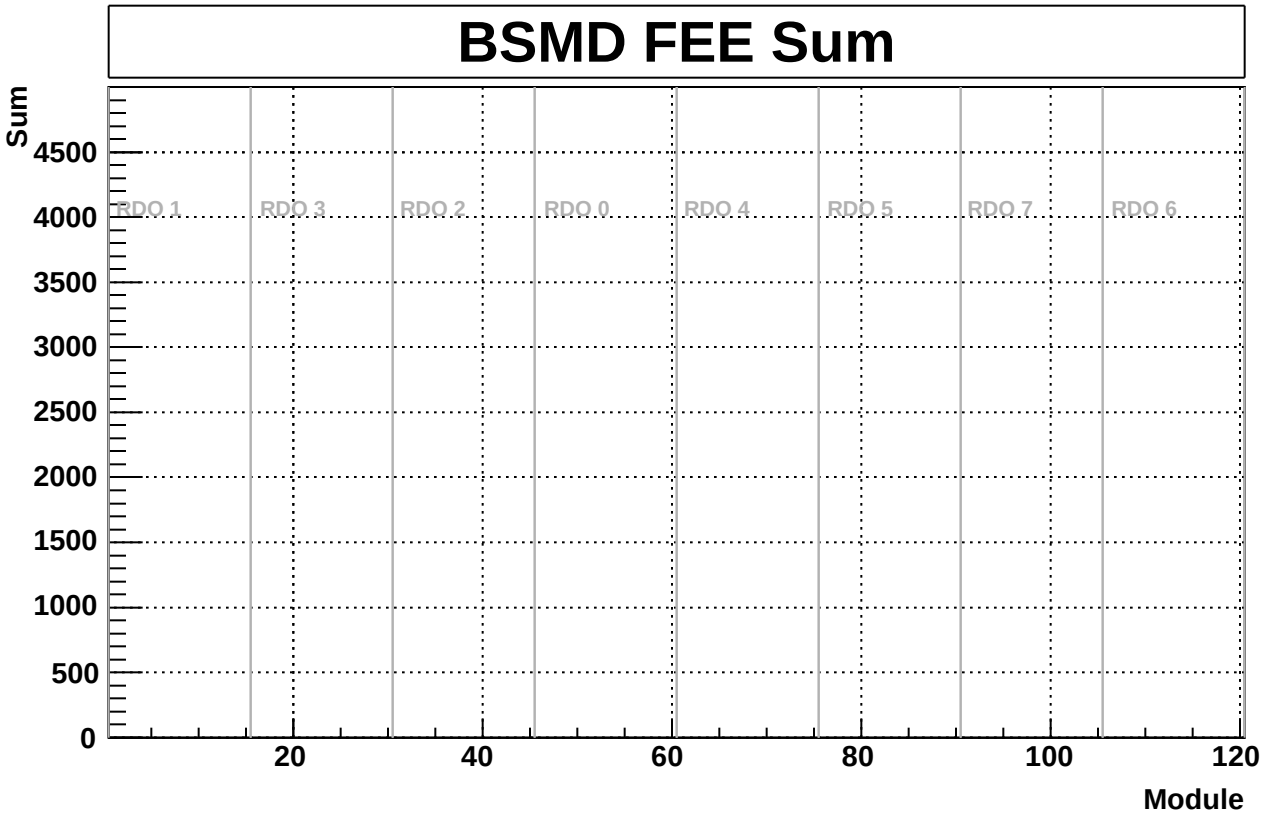
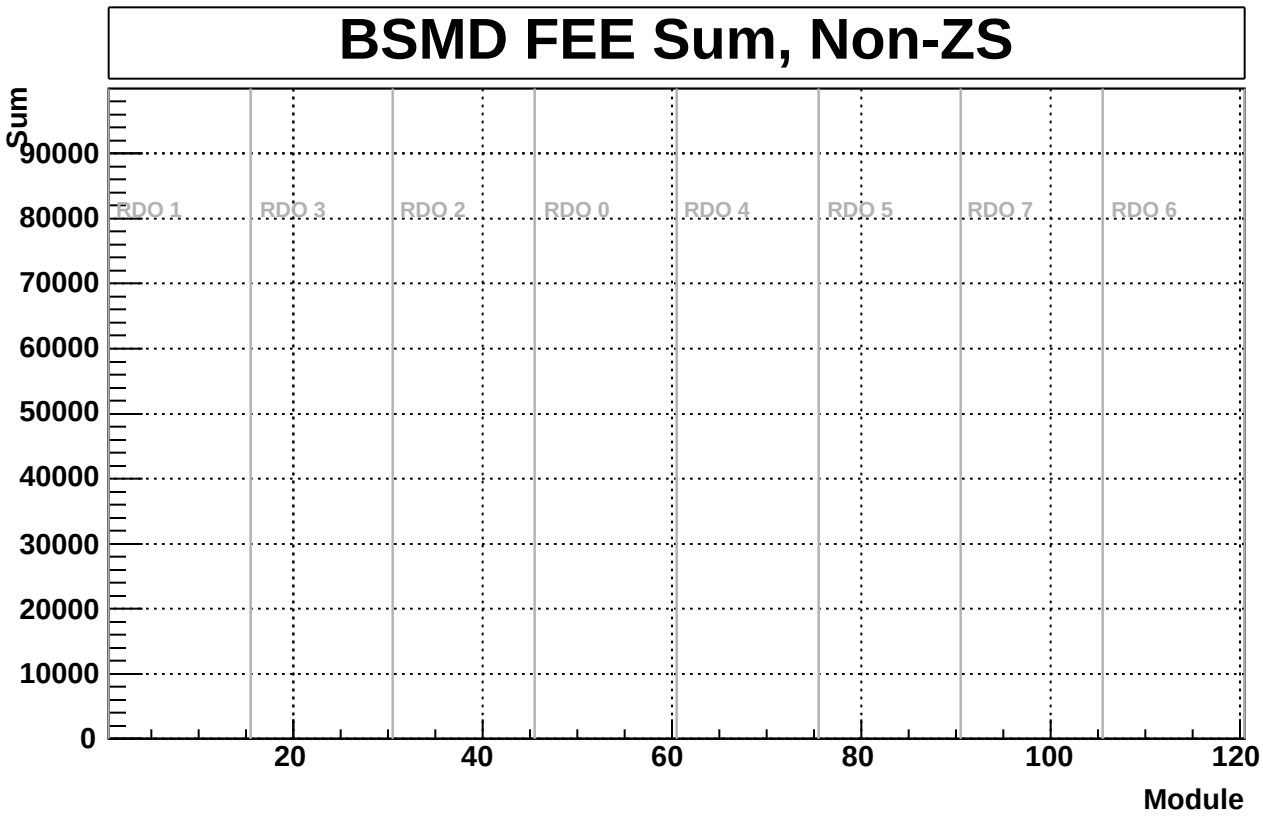


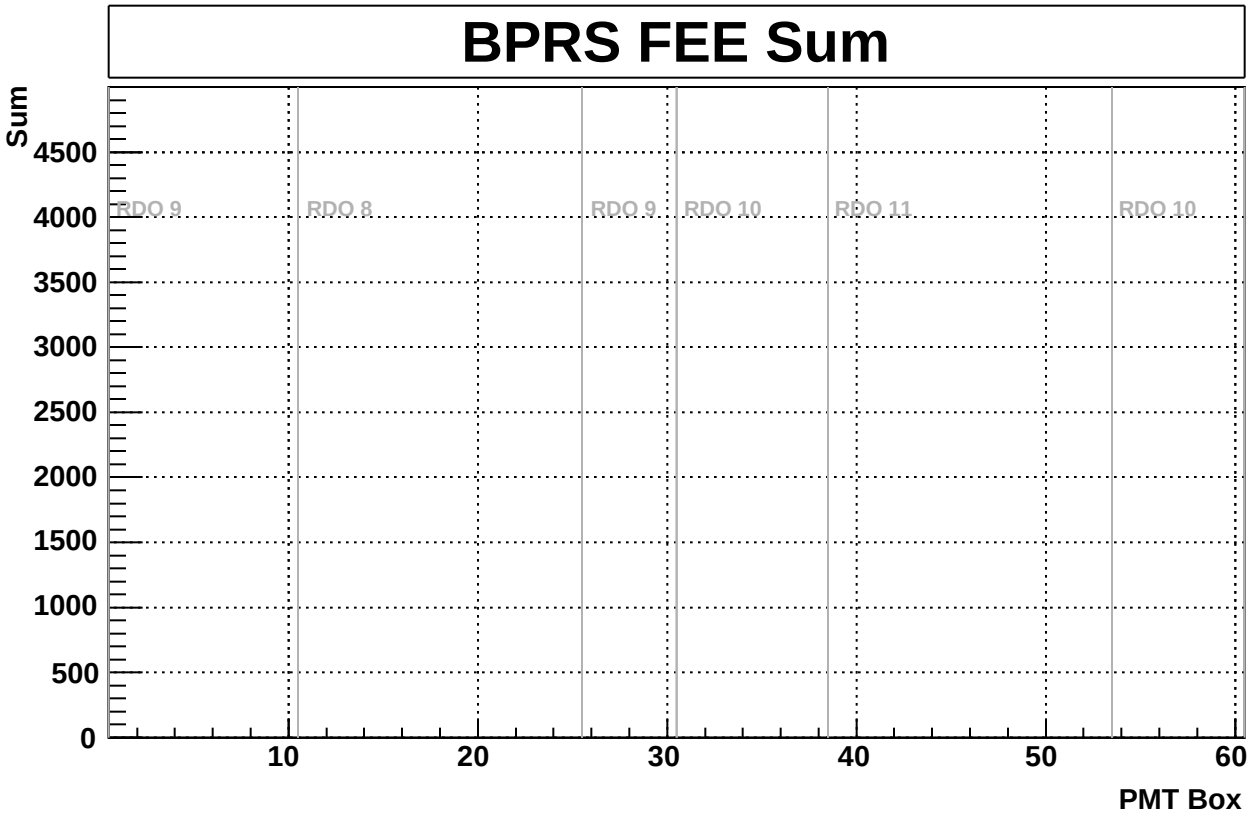


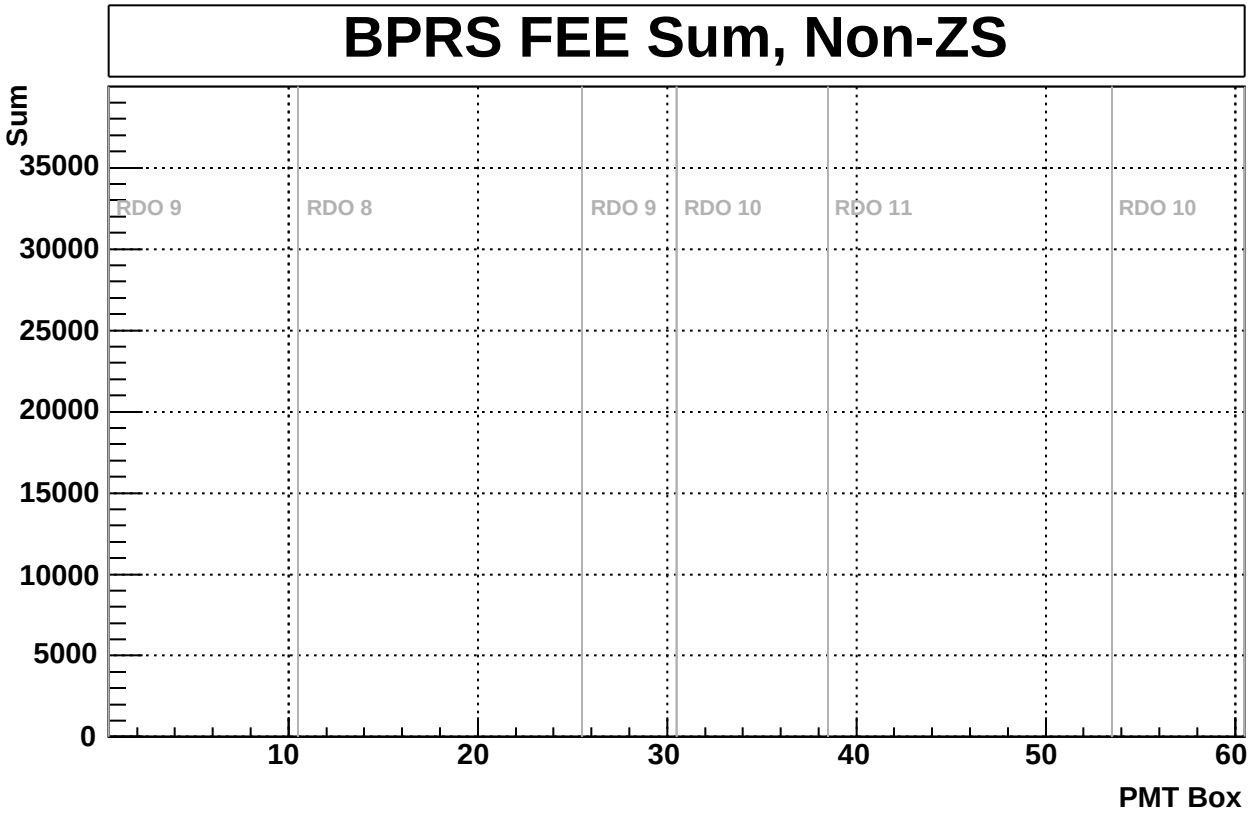
Tue Apr 12 04:43:24 2011





Tue Apr 12 04:43:26 2011





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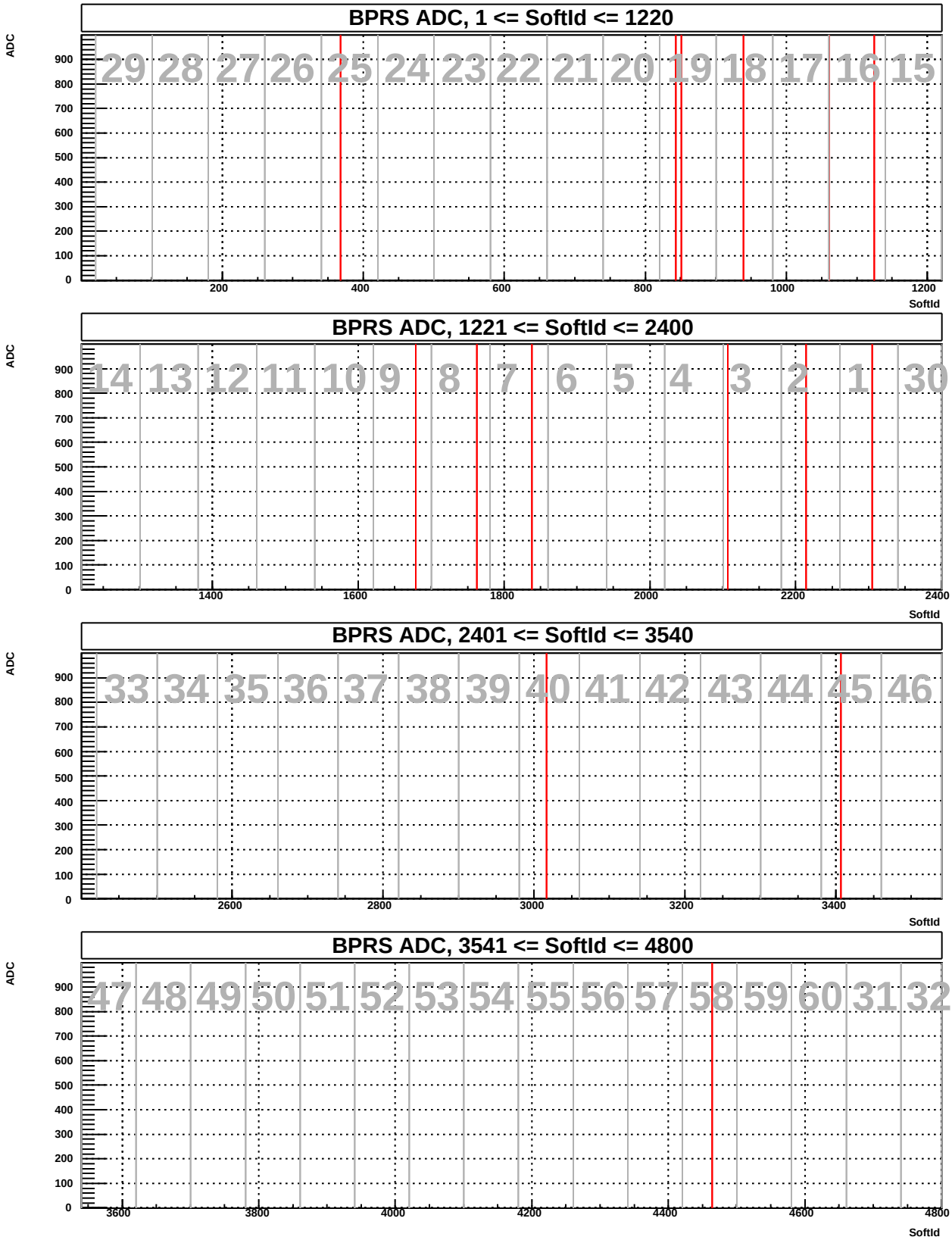

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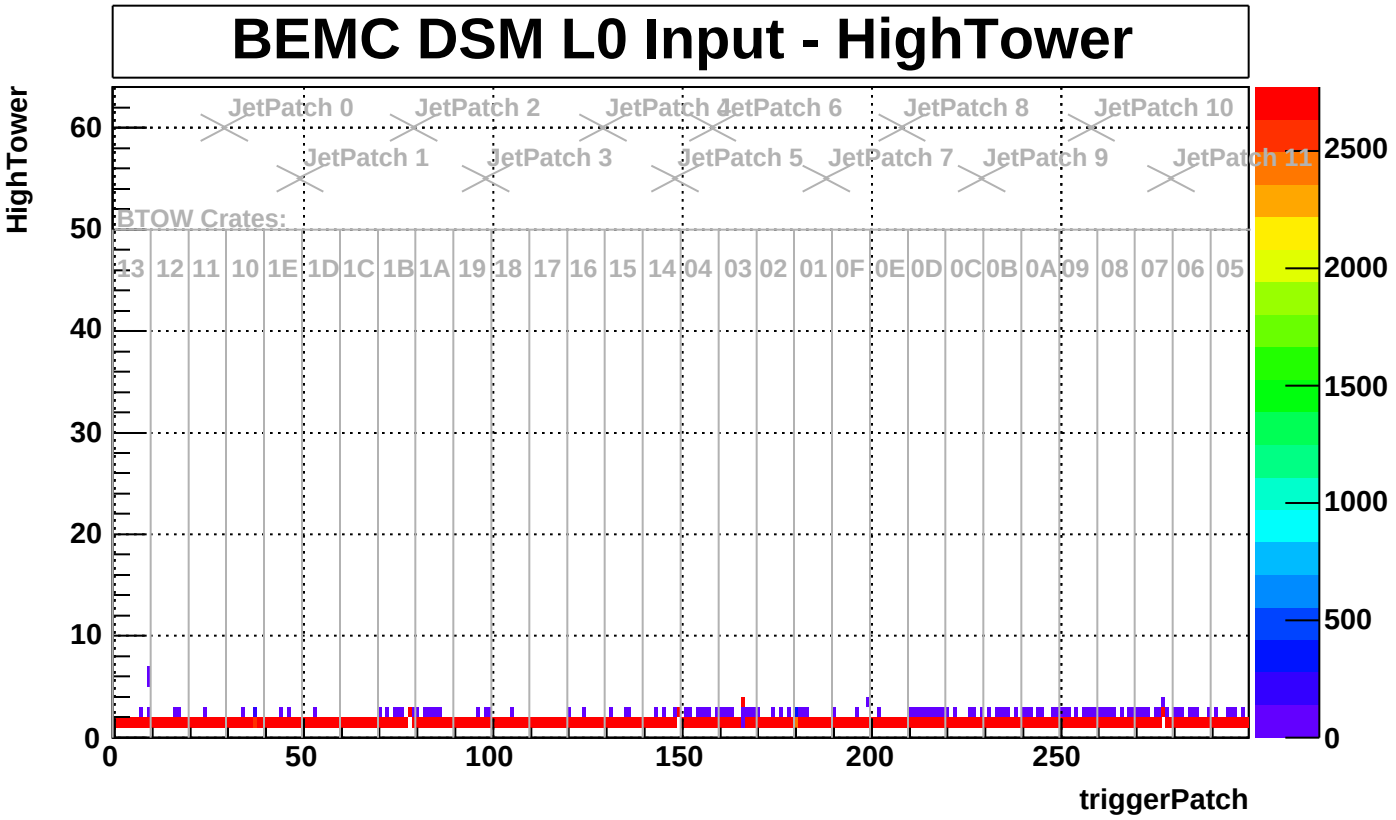

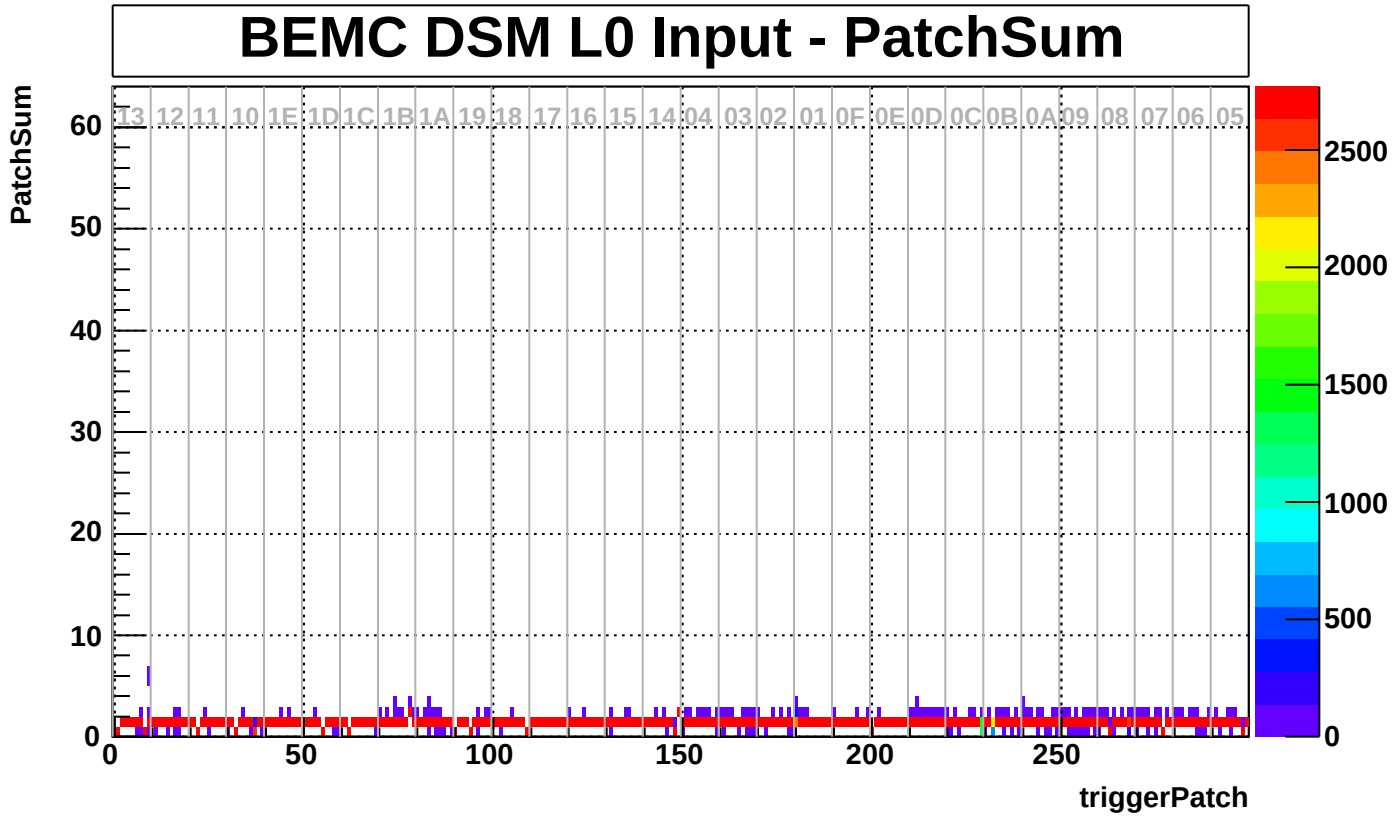

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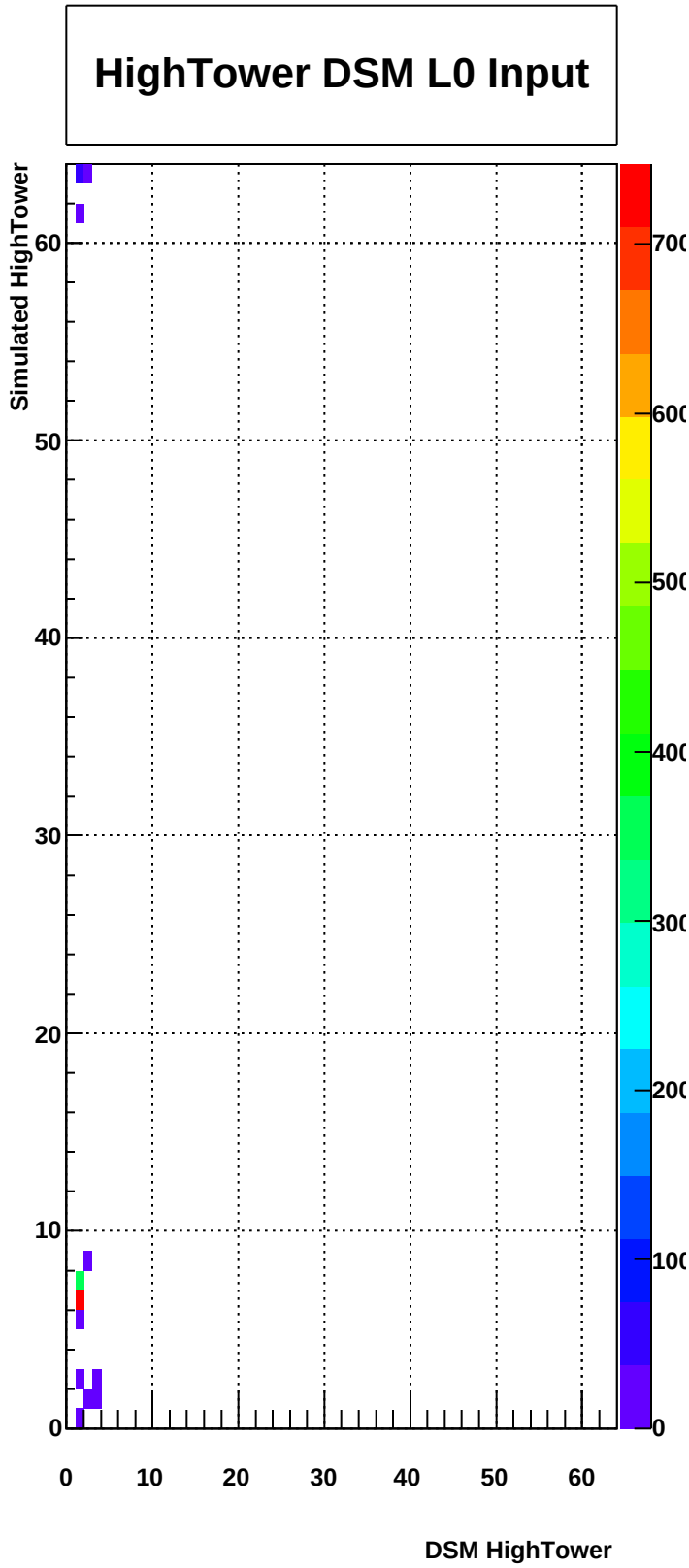

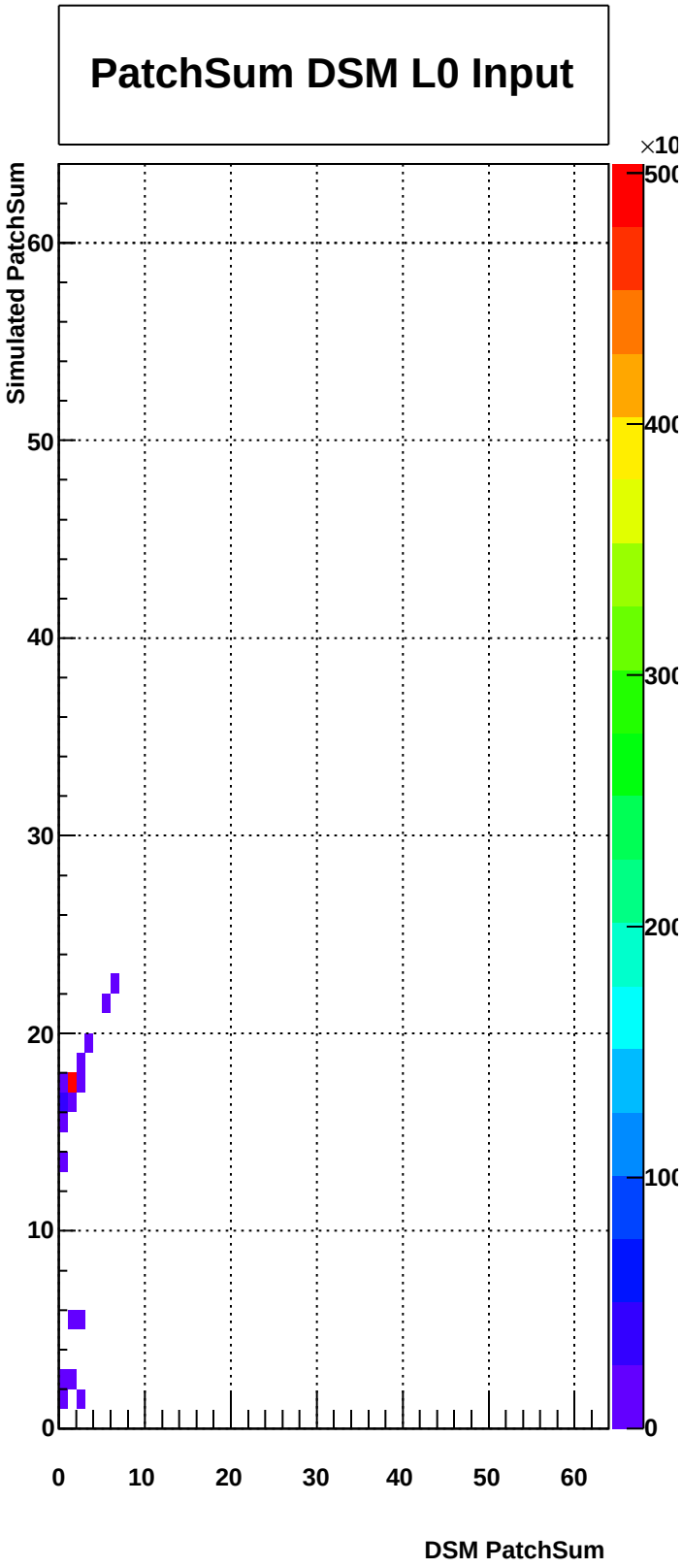

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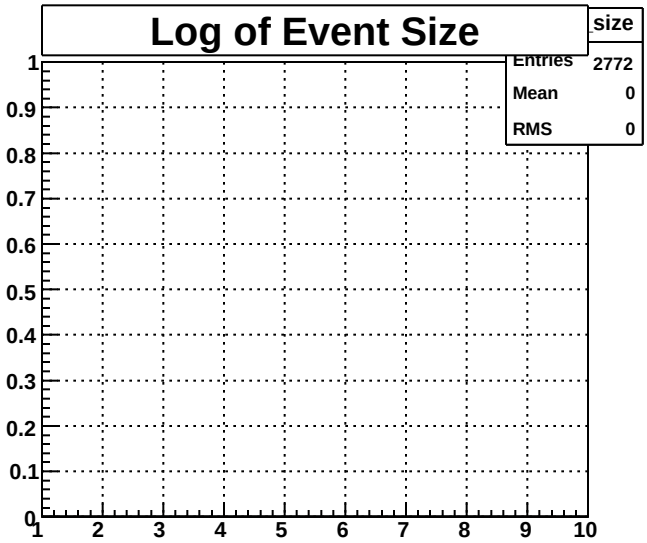
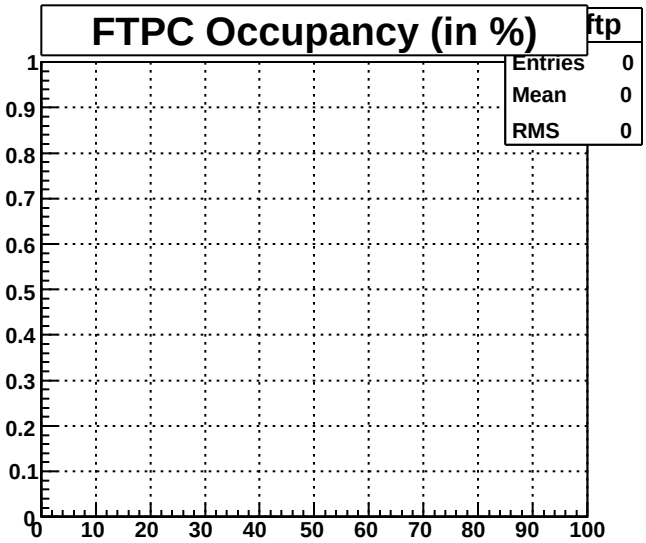
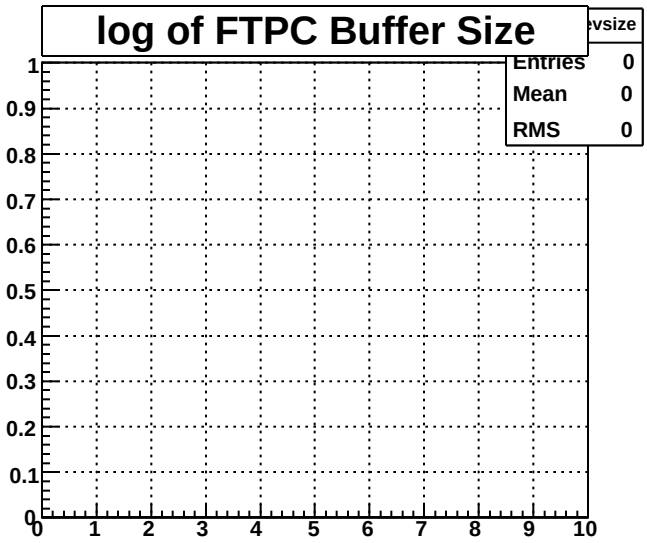
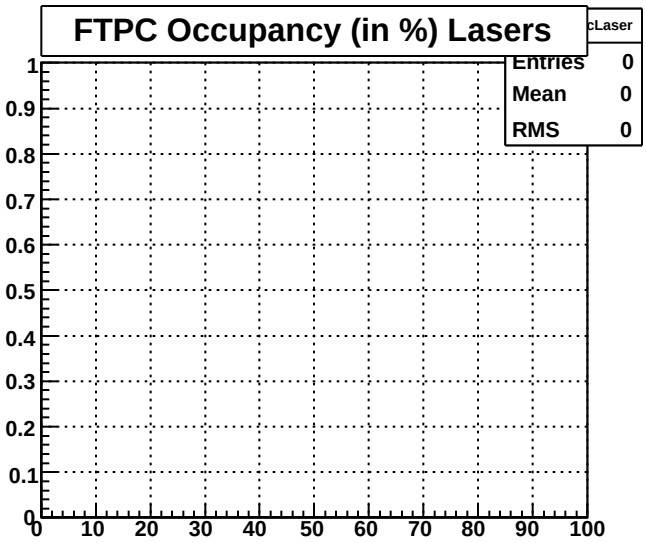
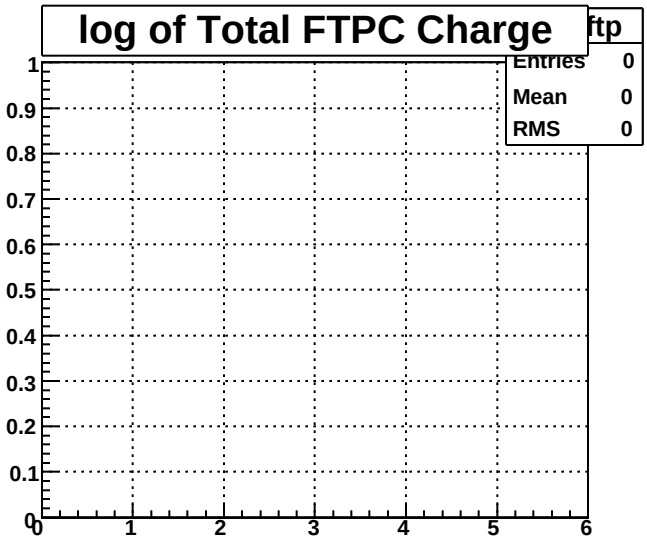
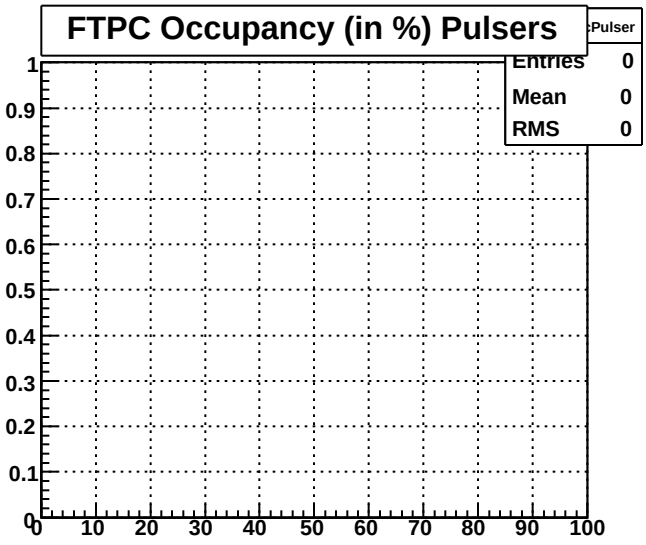

Log of Event Size
size
Entries 2772
Mean 0
RMS 0

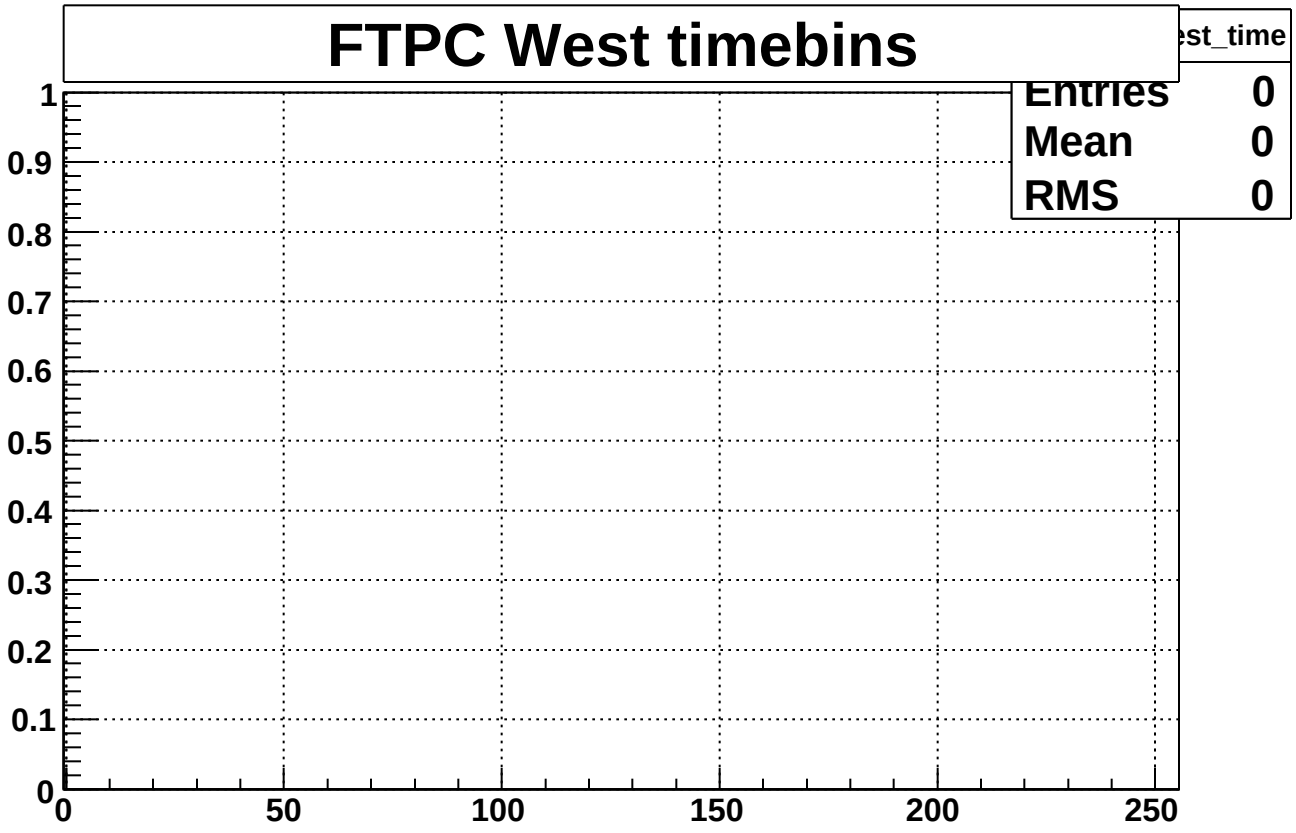

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

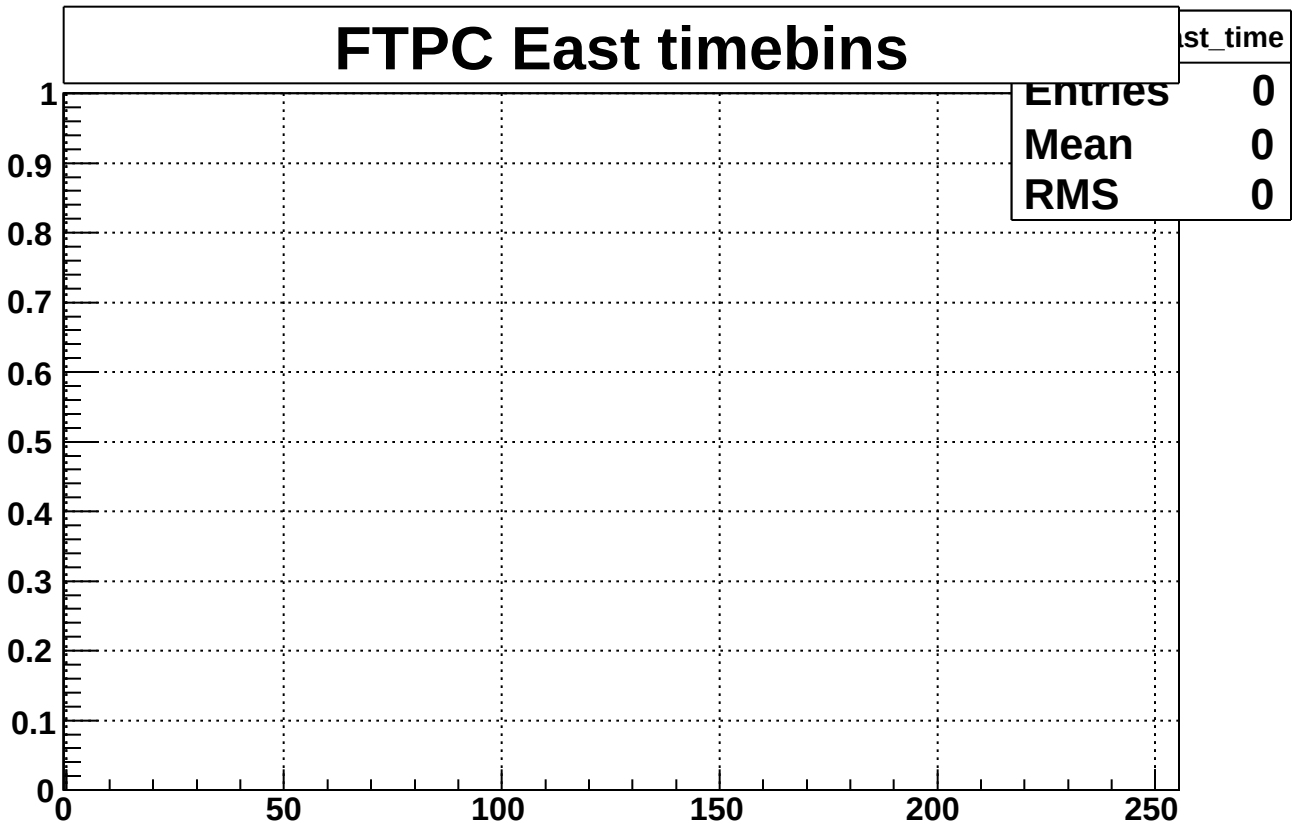

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

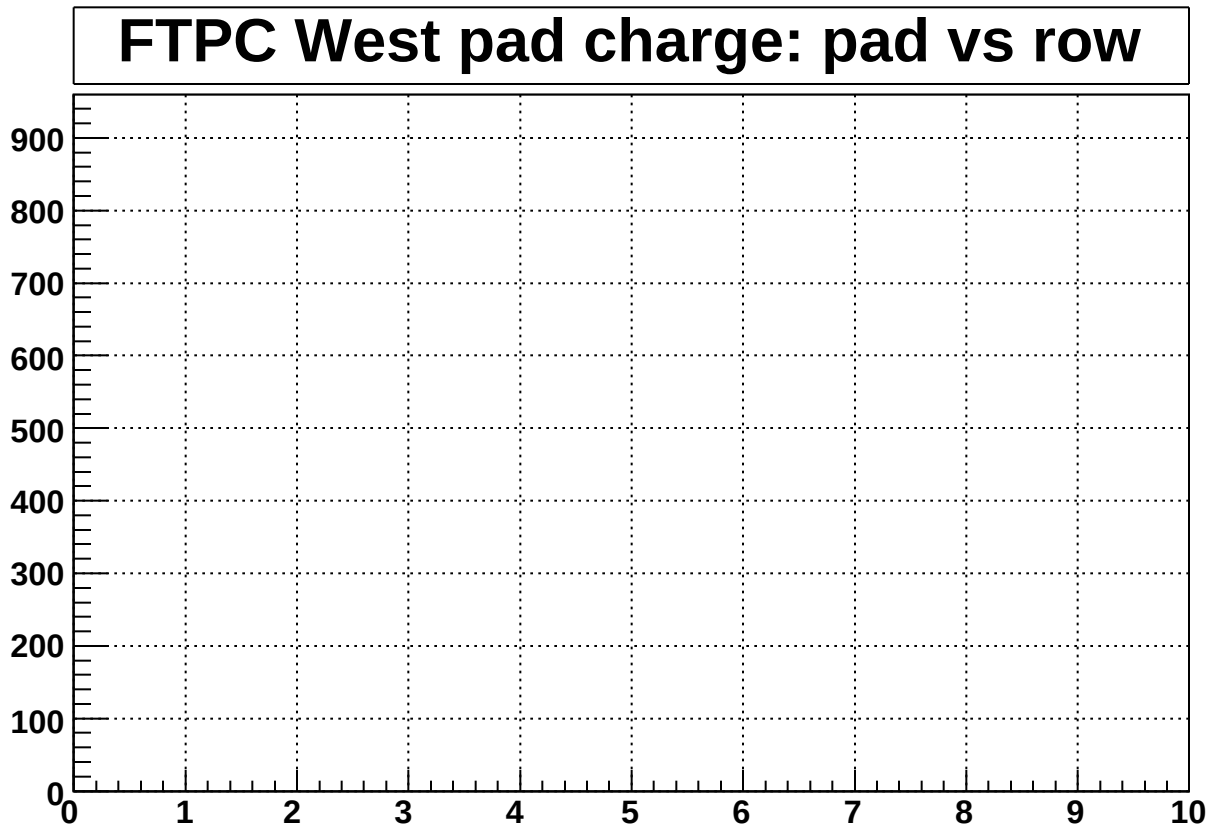

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

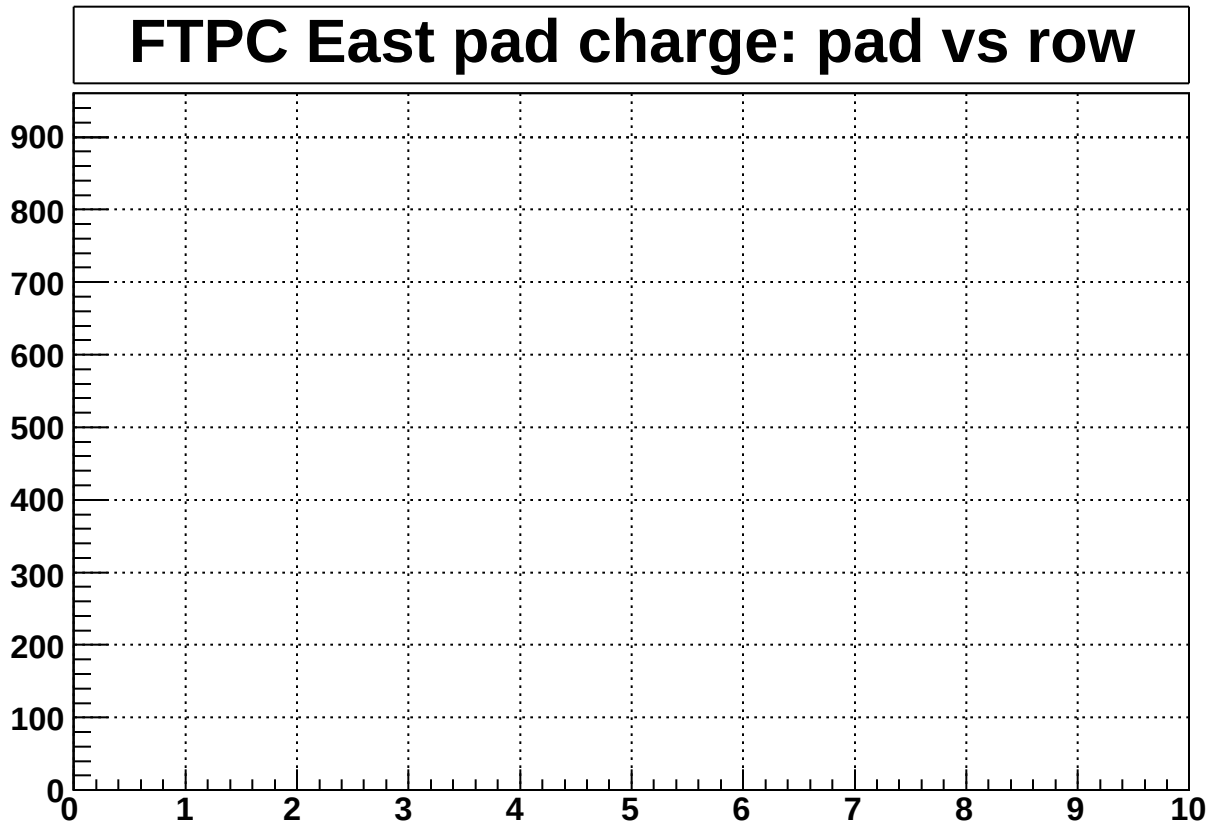

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

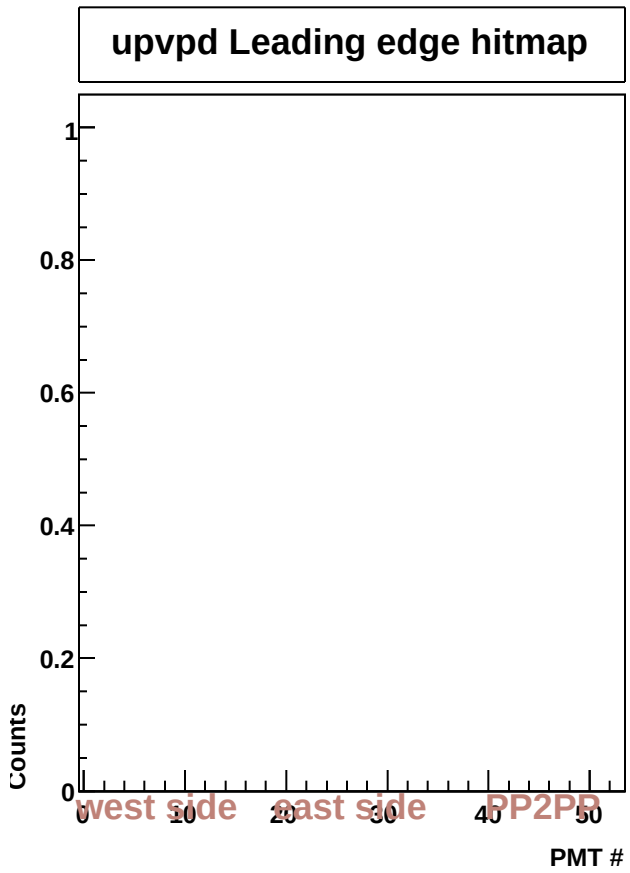

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

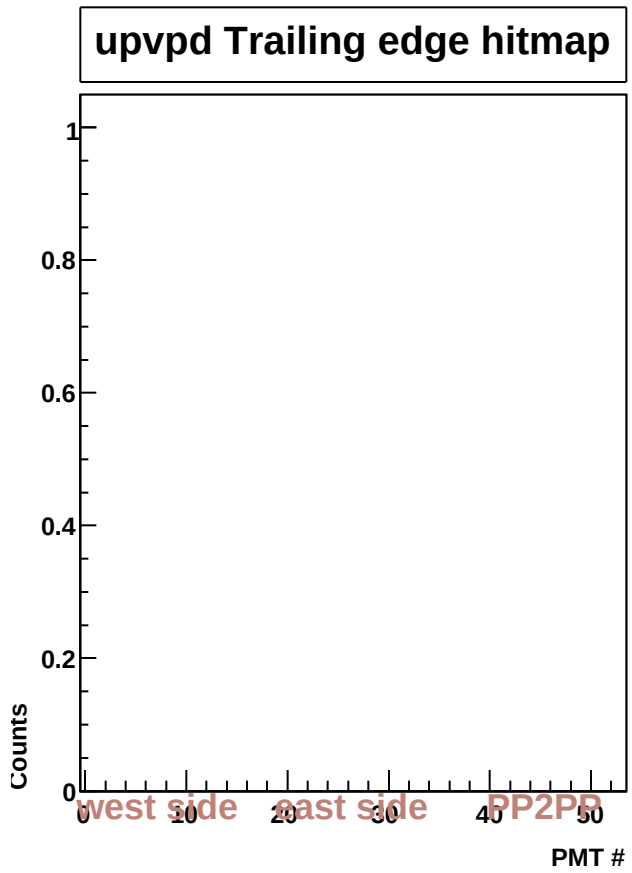

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

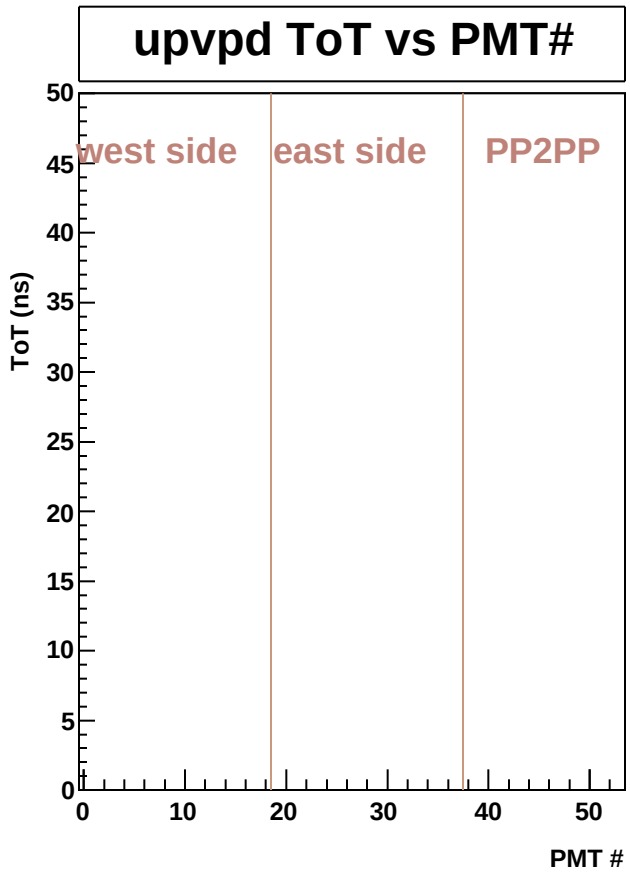

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

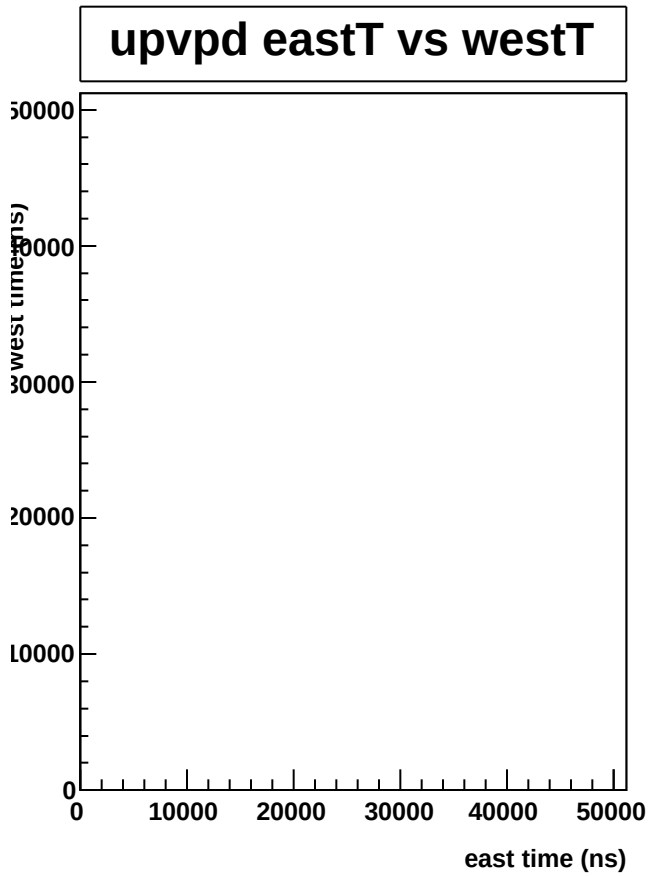

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

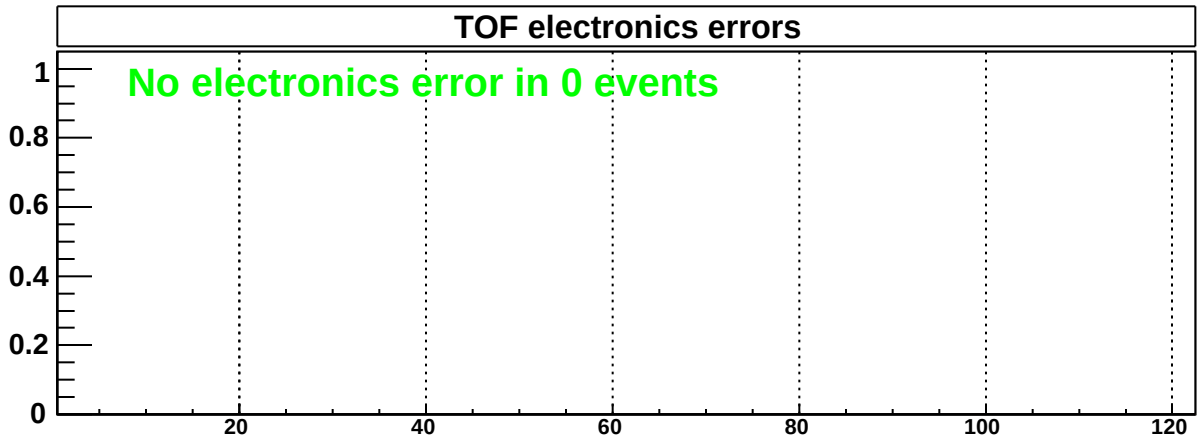

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

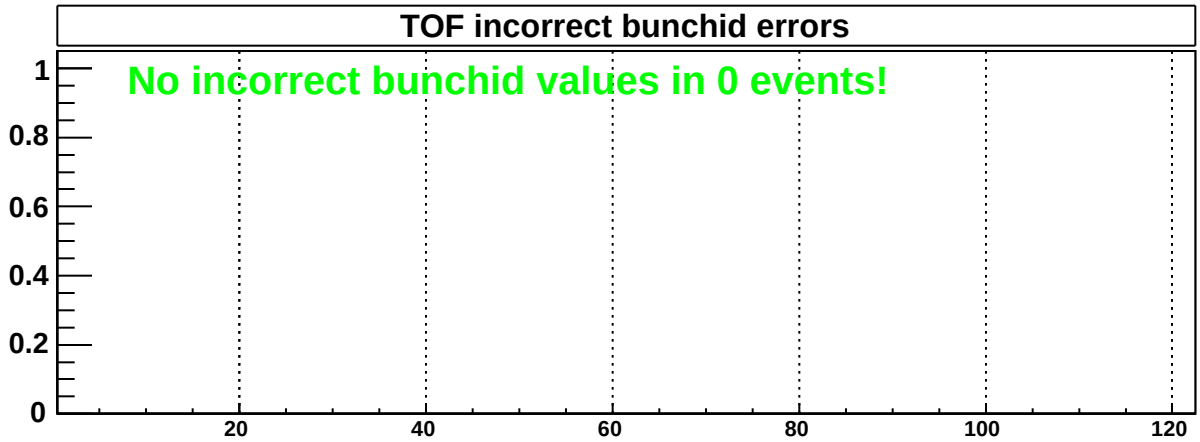

upvpd Leading edge hitmap
Counts
PMT #
west side
east side
PP2PP

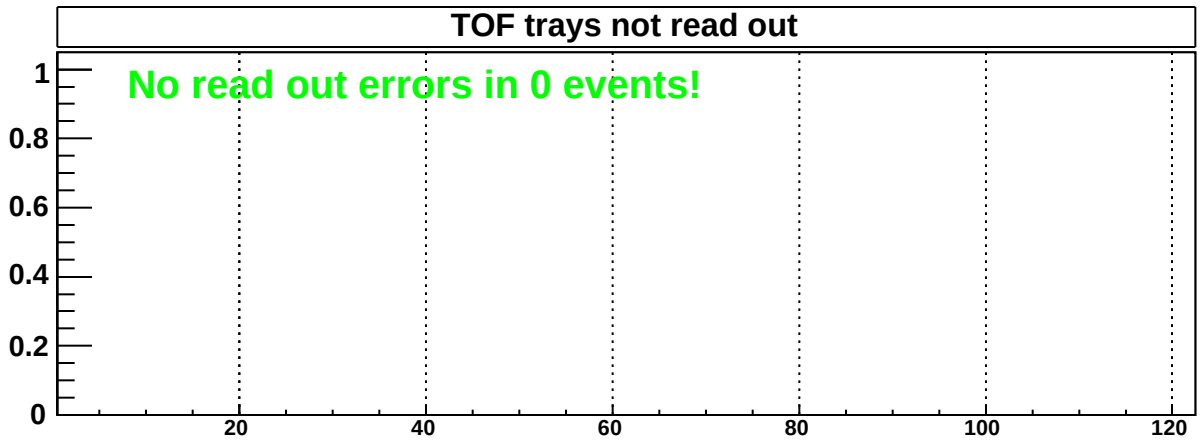

upvpd Trailing edge hitmap
Counts
PMT #
west side
east side
PP2PP

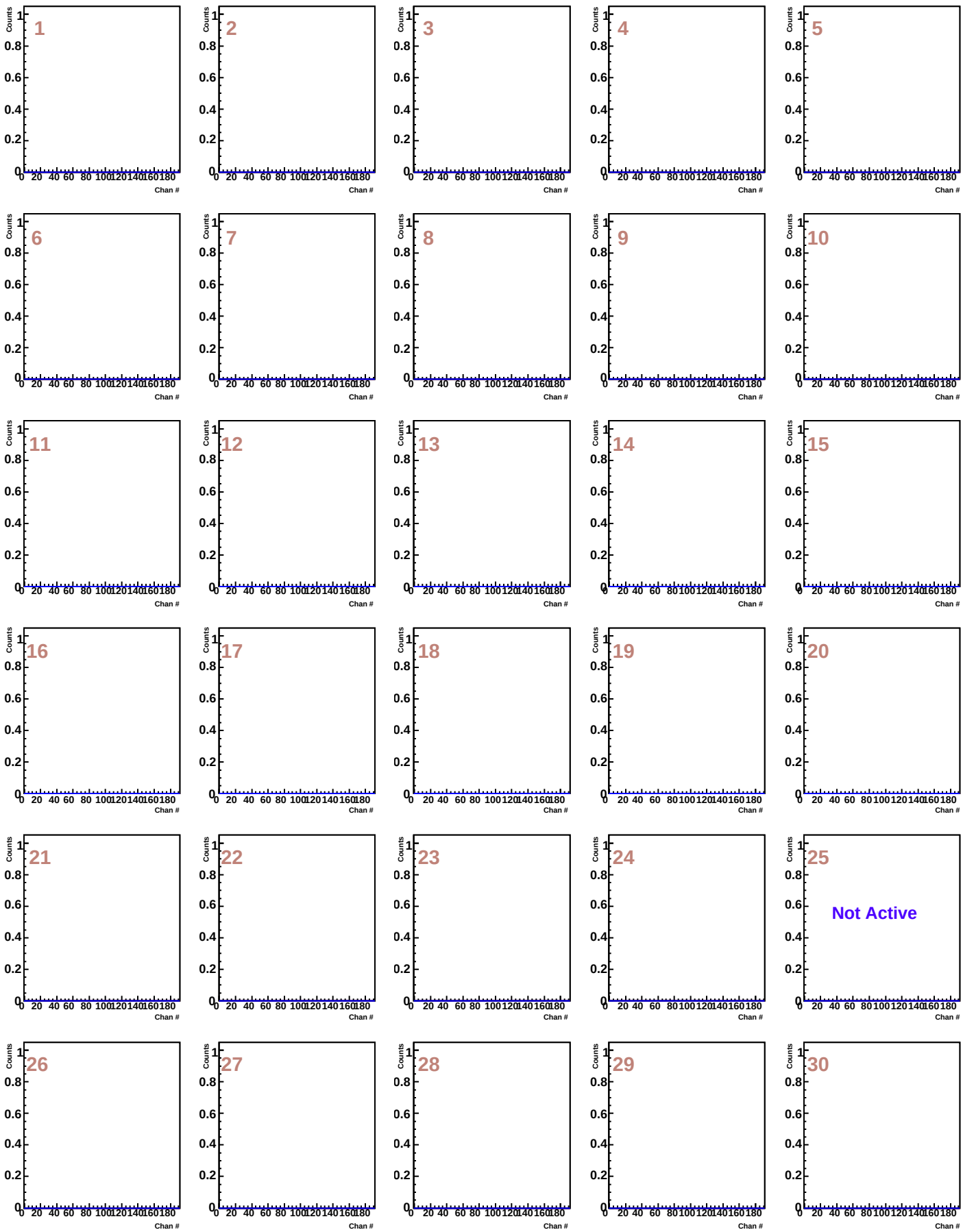

upvpd ToT vs PMT#
ToT (ns)
PMT #
west side
east side
PP2PP


upvpd eastT vs westT
east time (ns)


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


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


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


1
2
3
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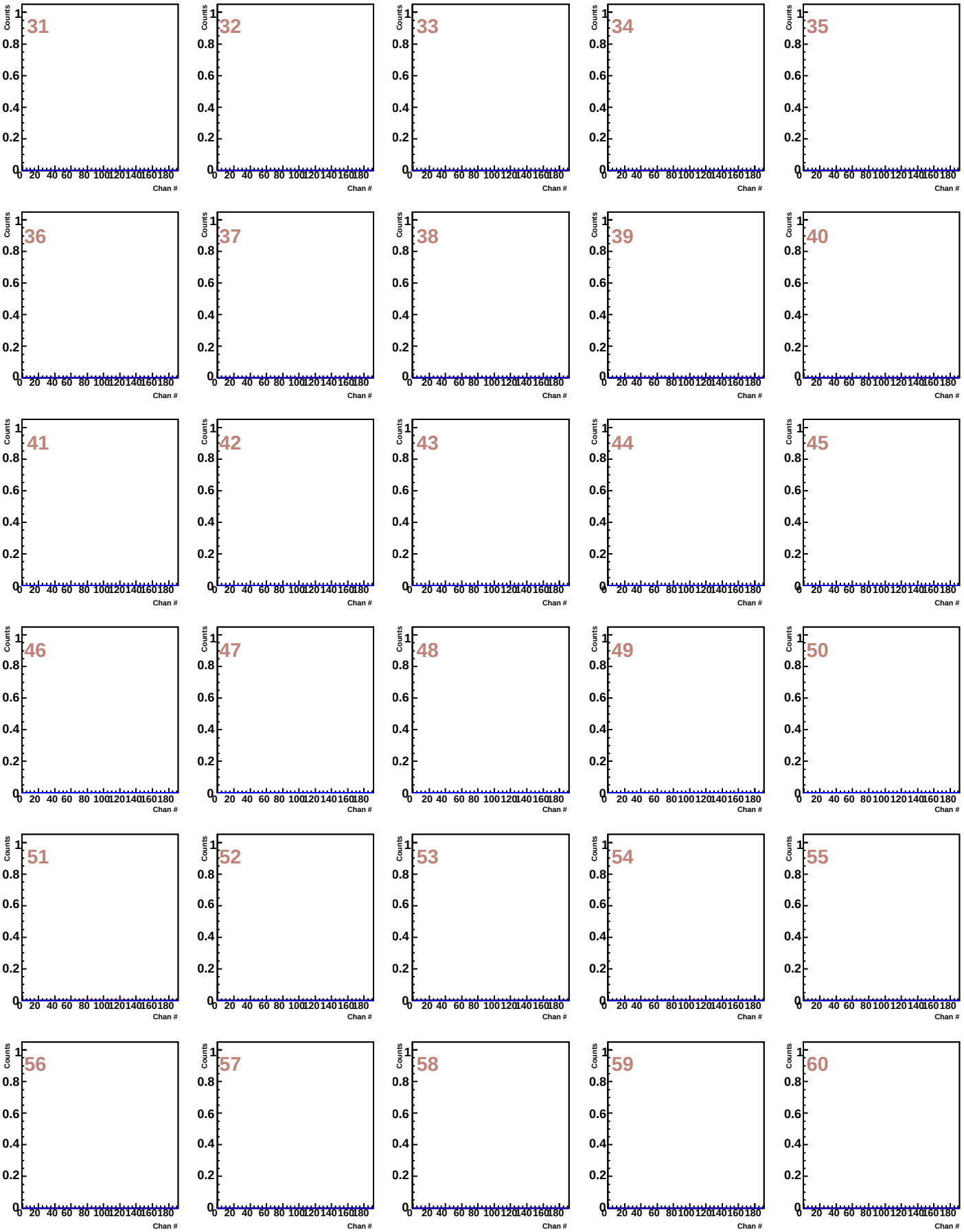
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #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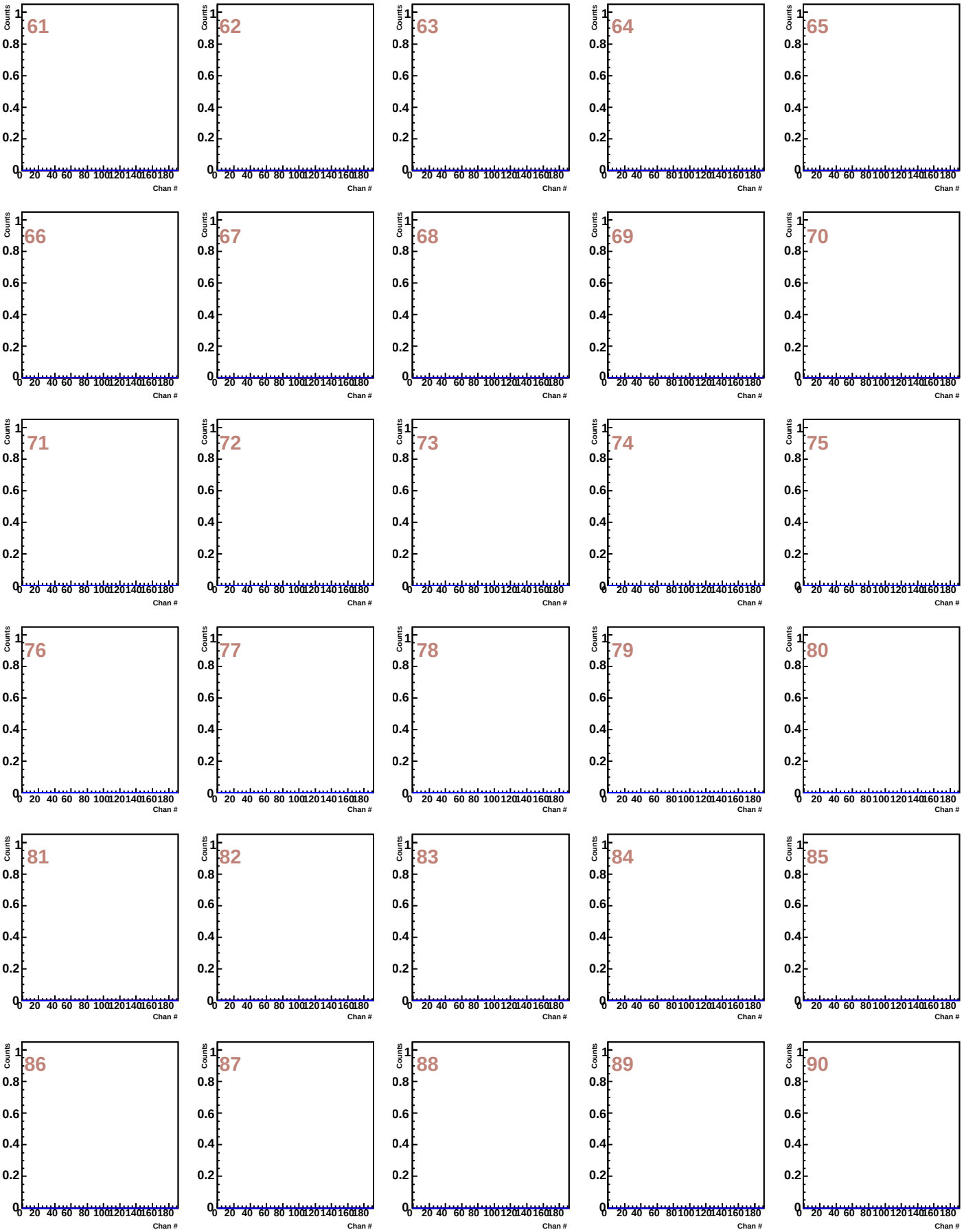
51
52
53
54
55
56
57
58
59
60
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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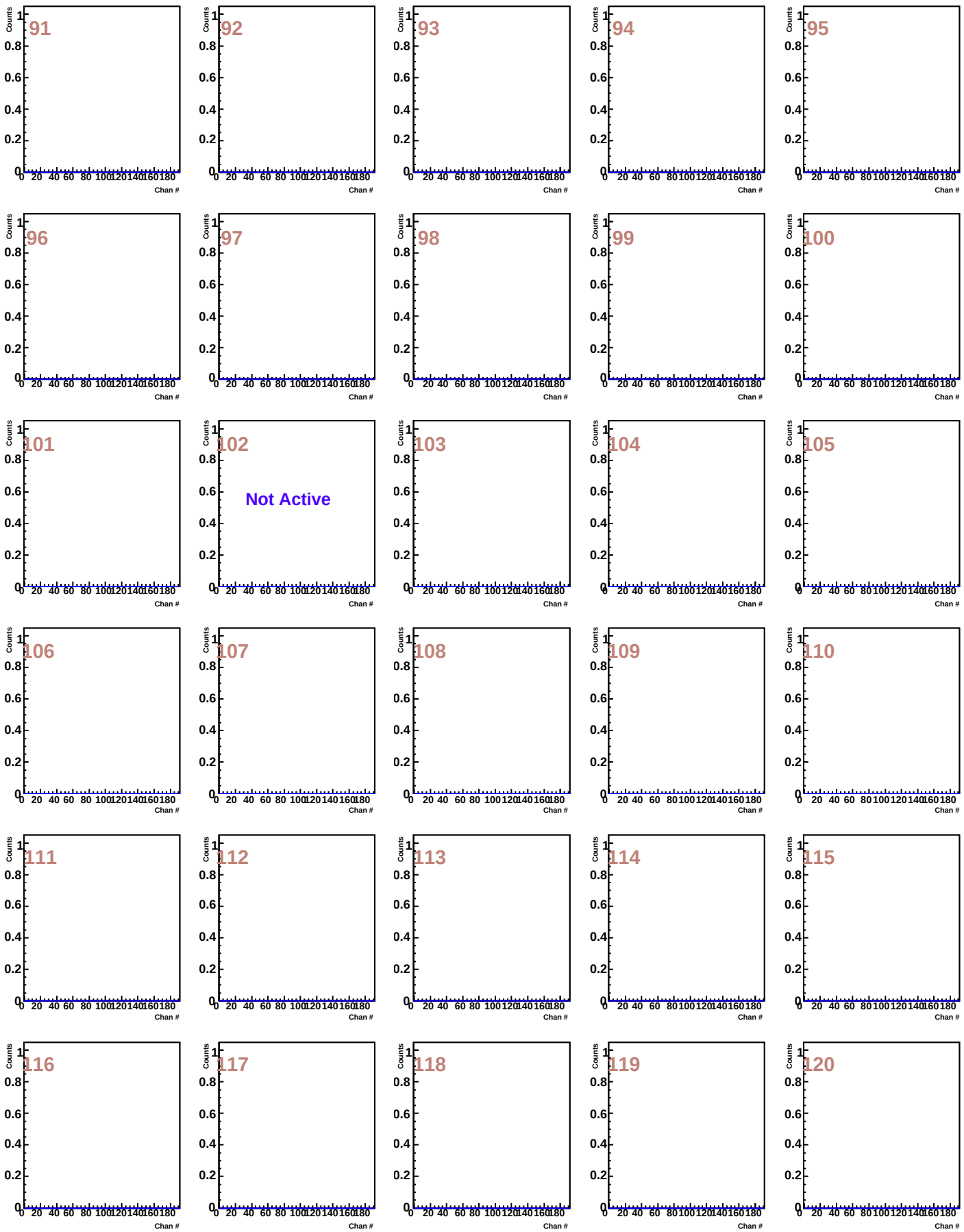
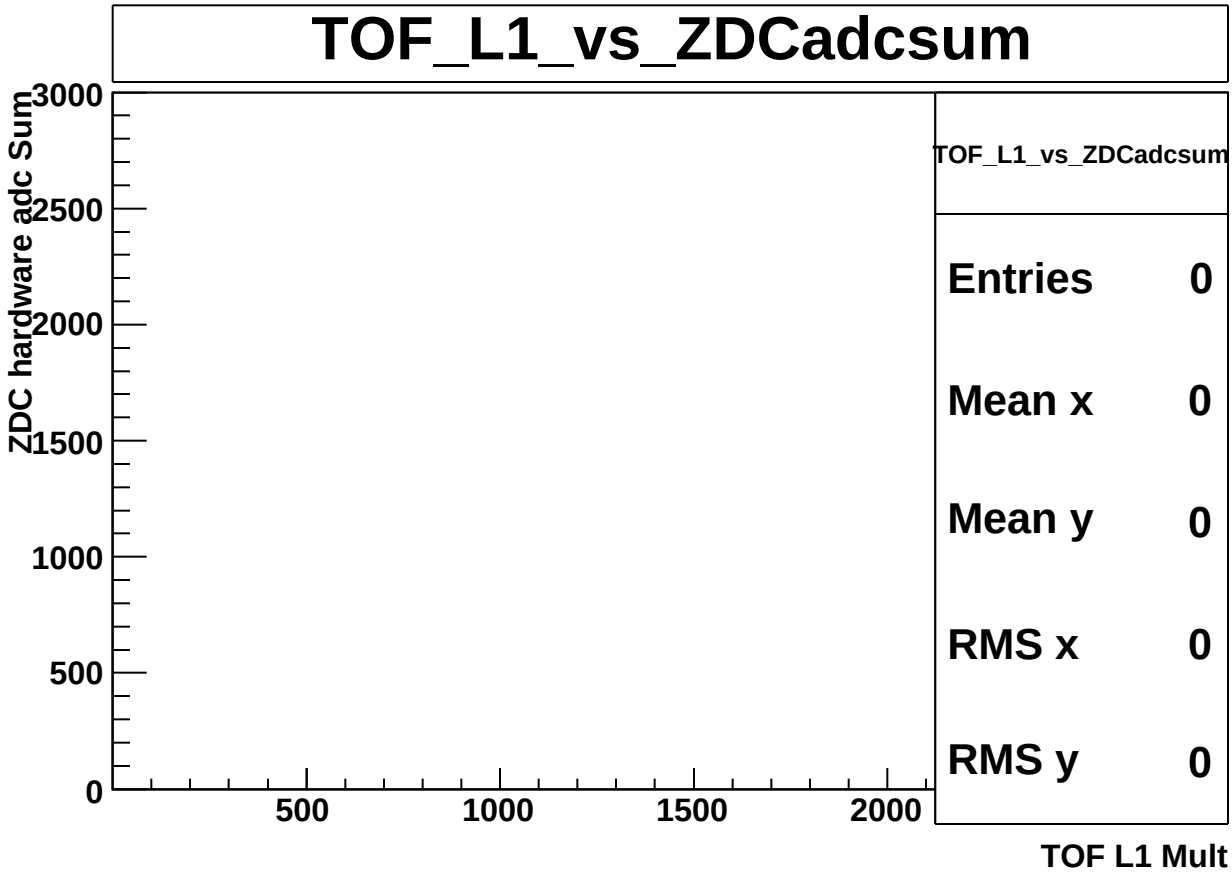
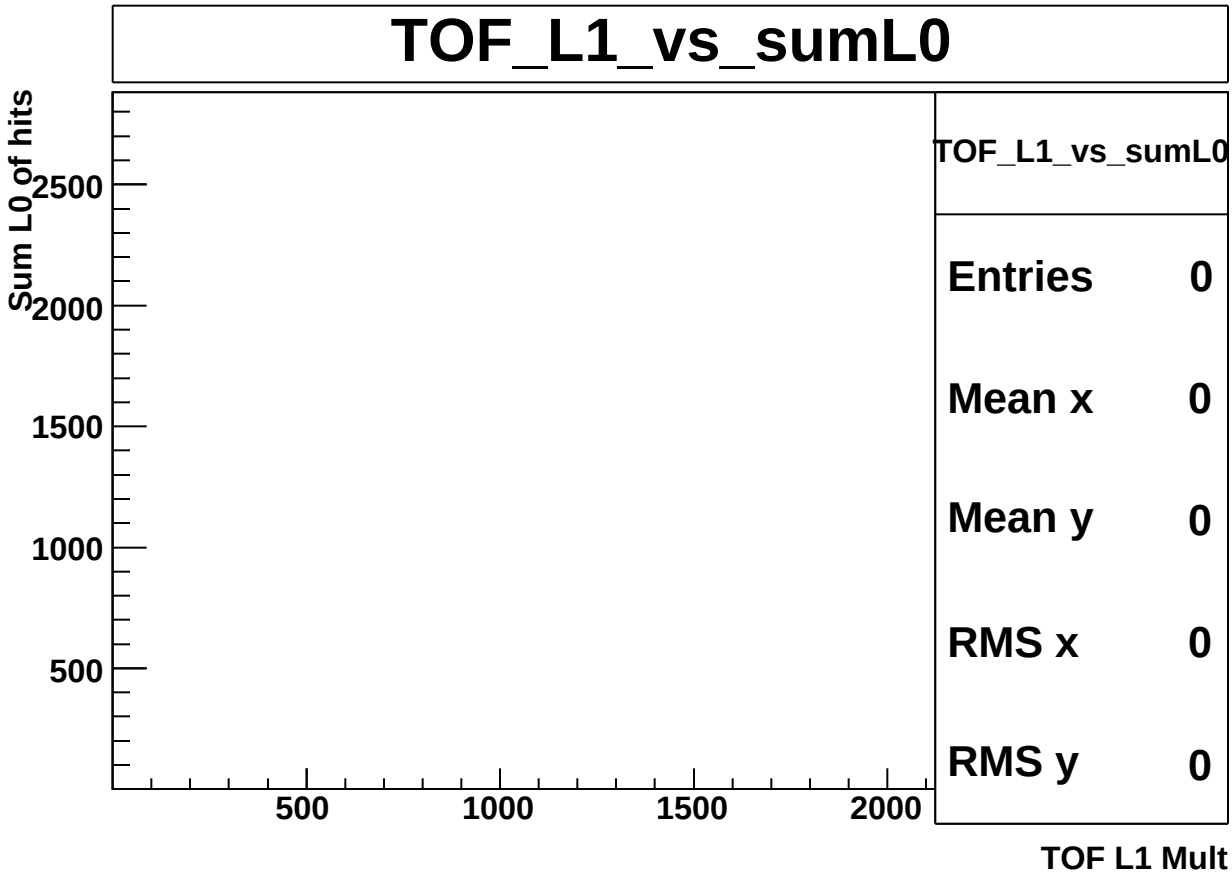
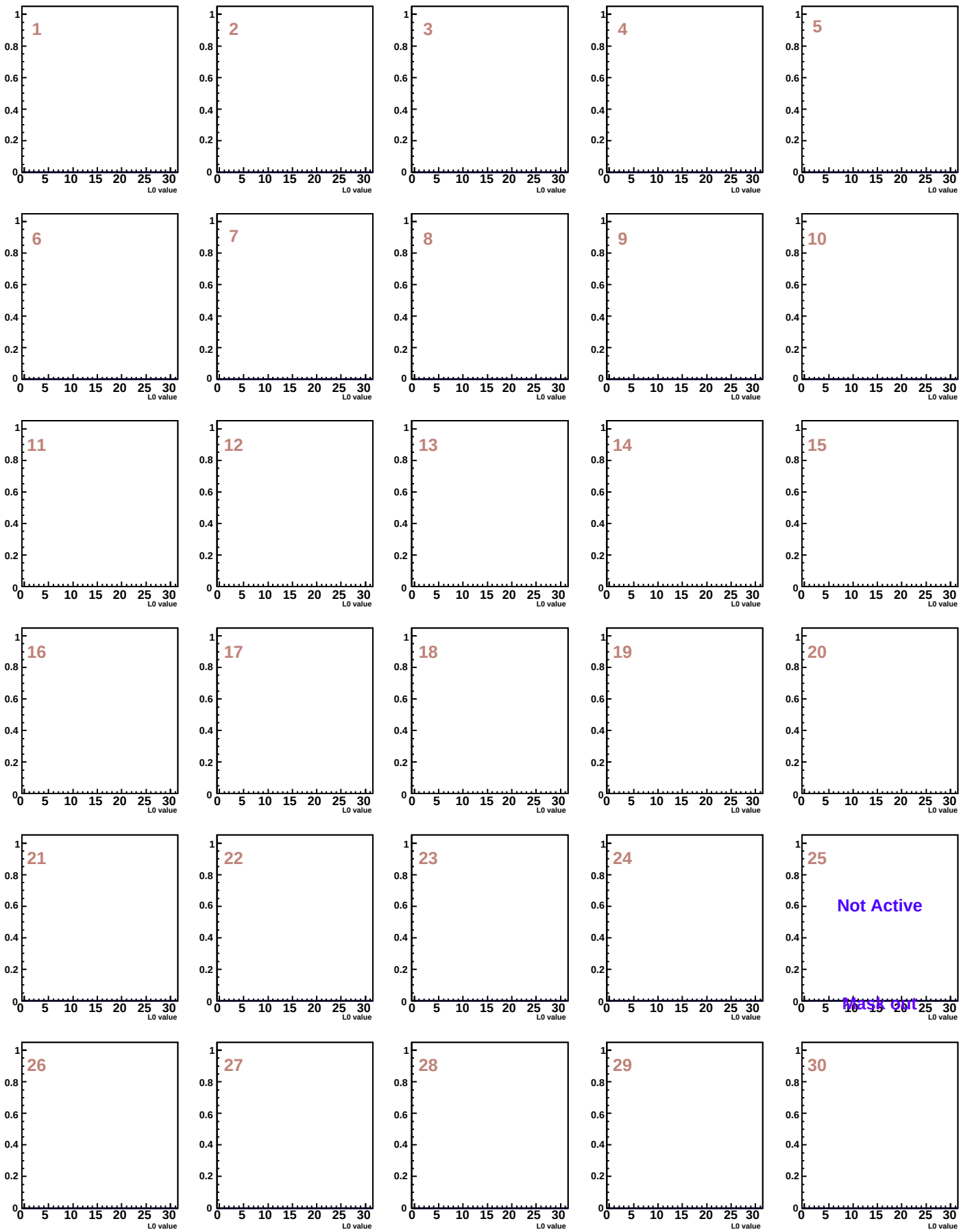
89
90
Counts
Chan #
0
0.2
0.4
0.6
0.8
1
0 20 40 60 80 100 120 140 160 180


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


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


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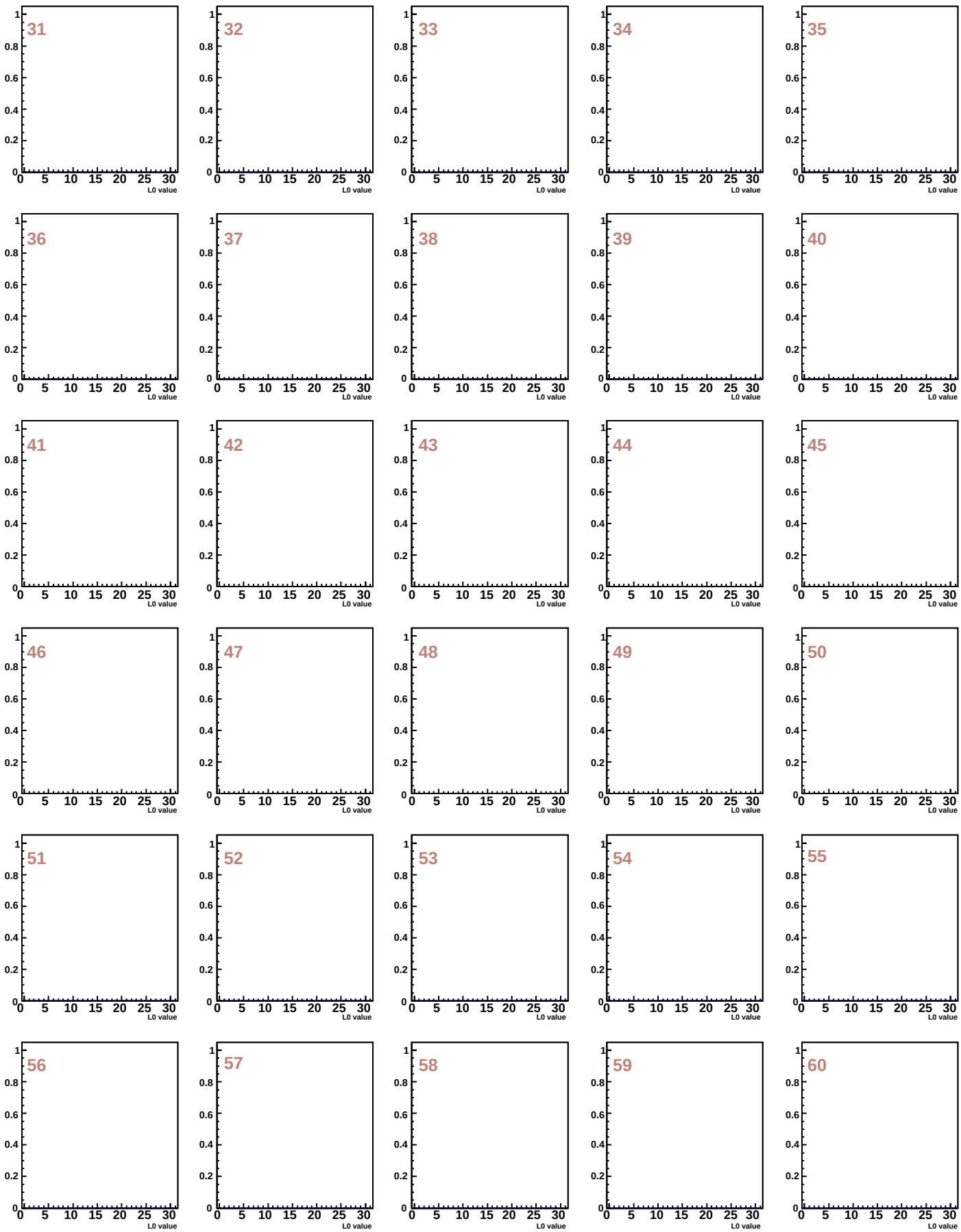
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value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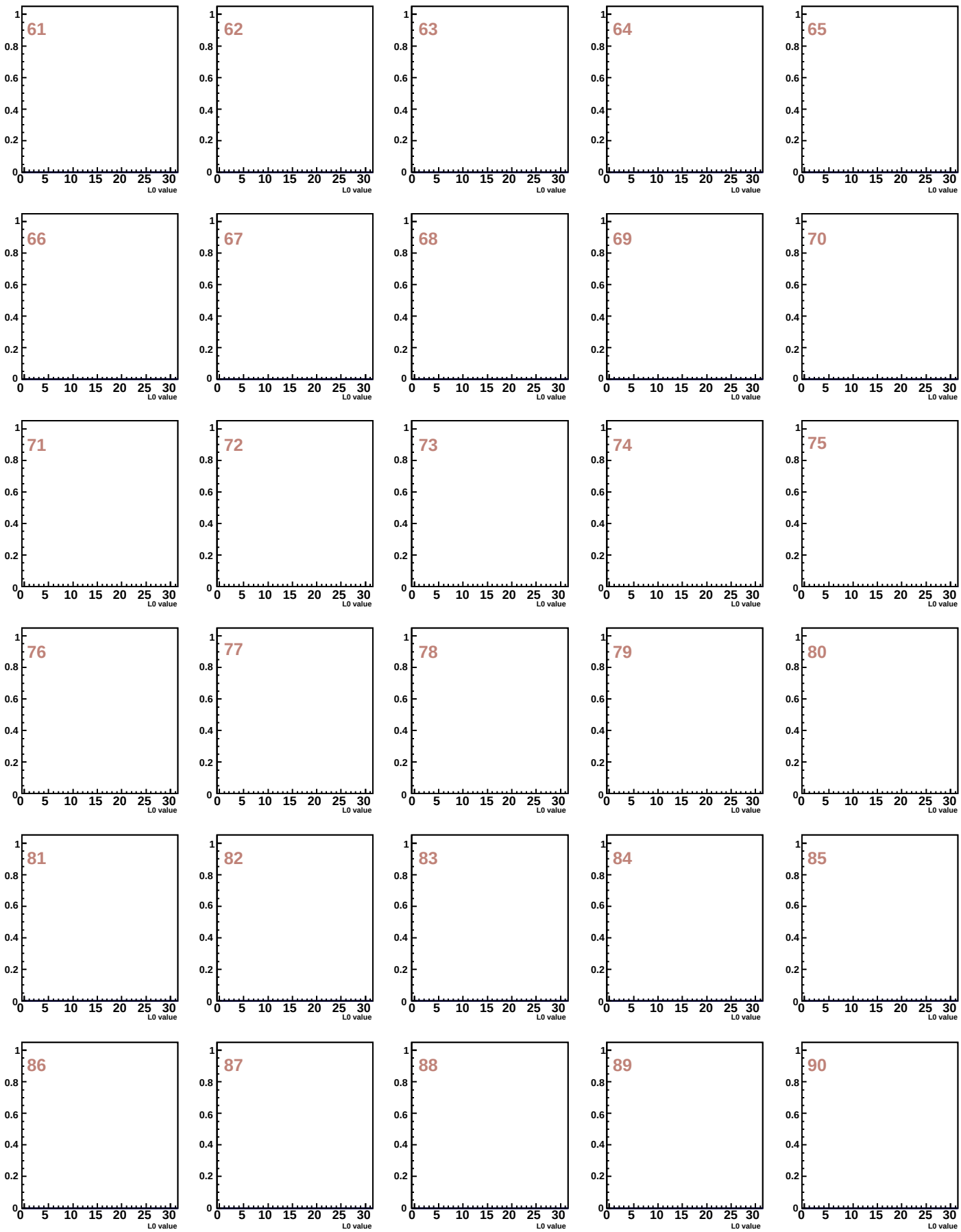
55
56
57
58
59
60
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value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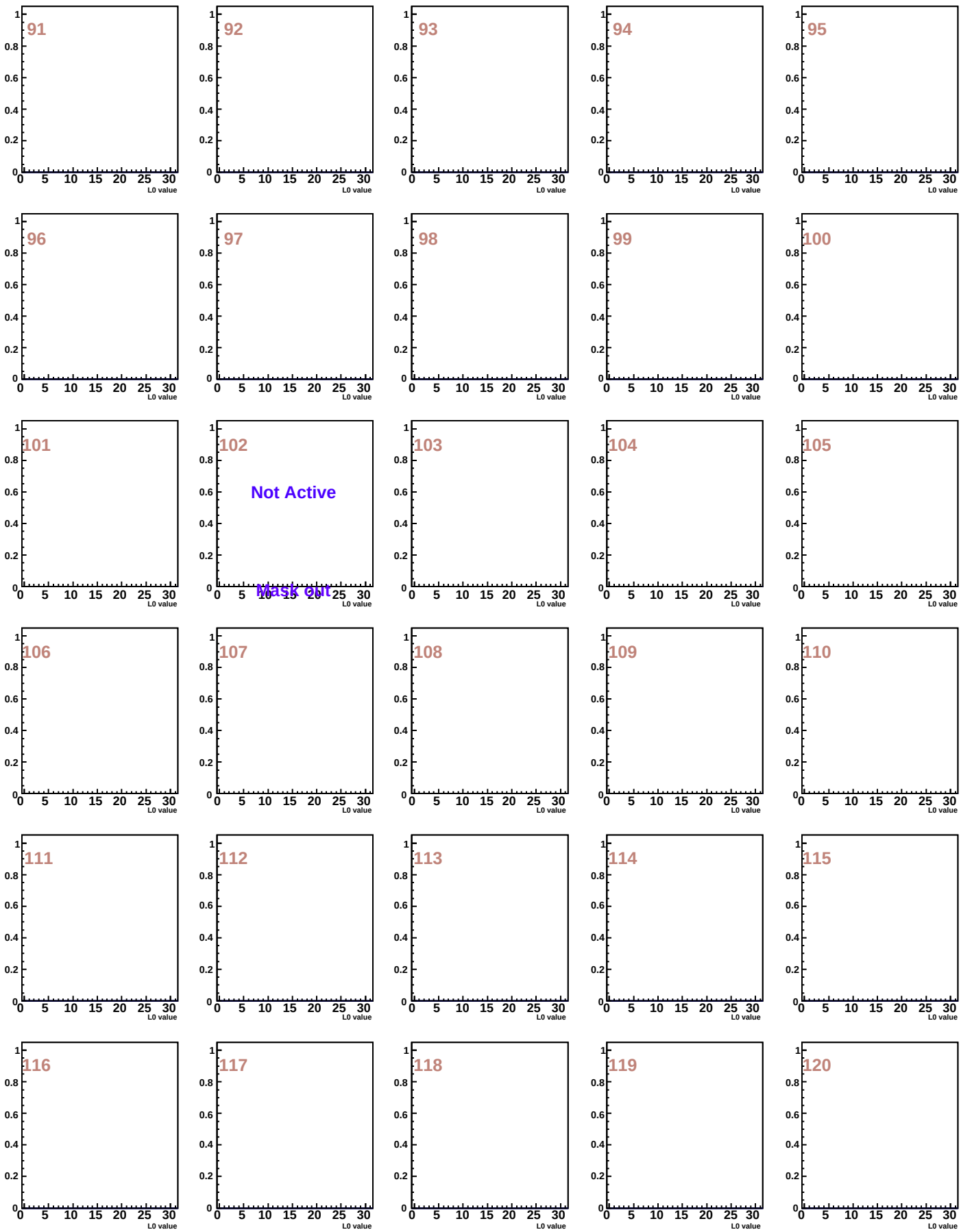
85
86
87
88
89
90
0 0.2 0.4 0.6 0.8 1
0 5 10 15 20 25 30
L0 value


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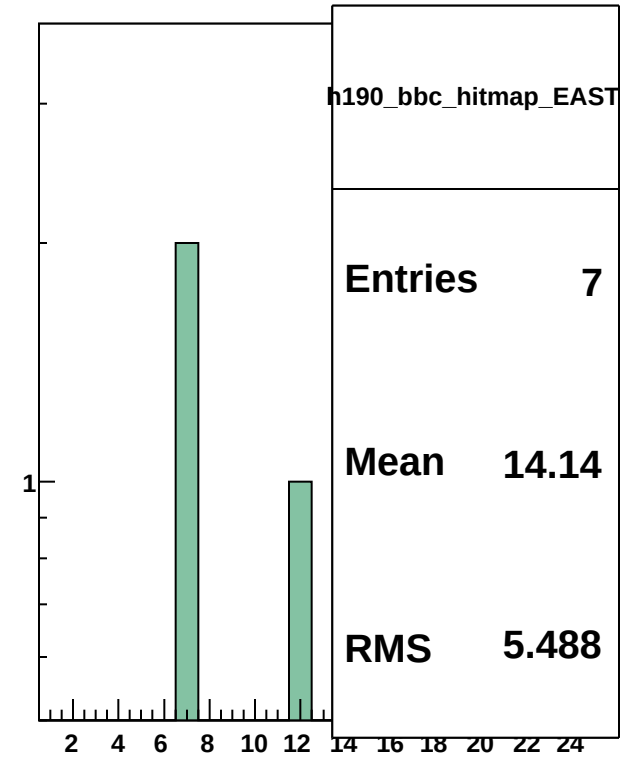
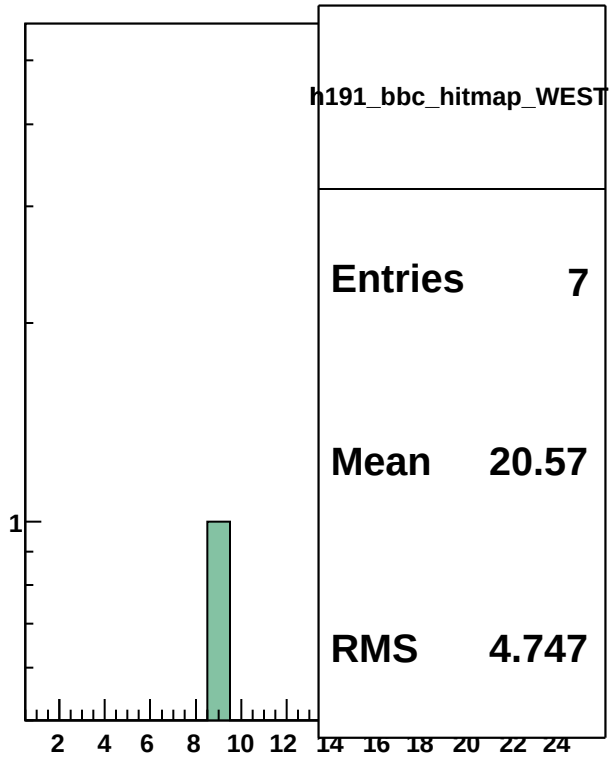
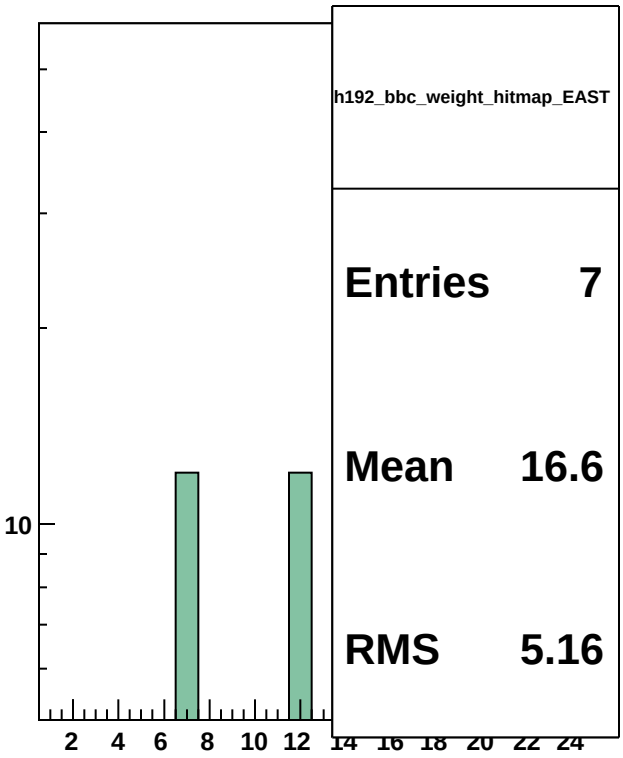
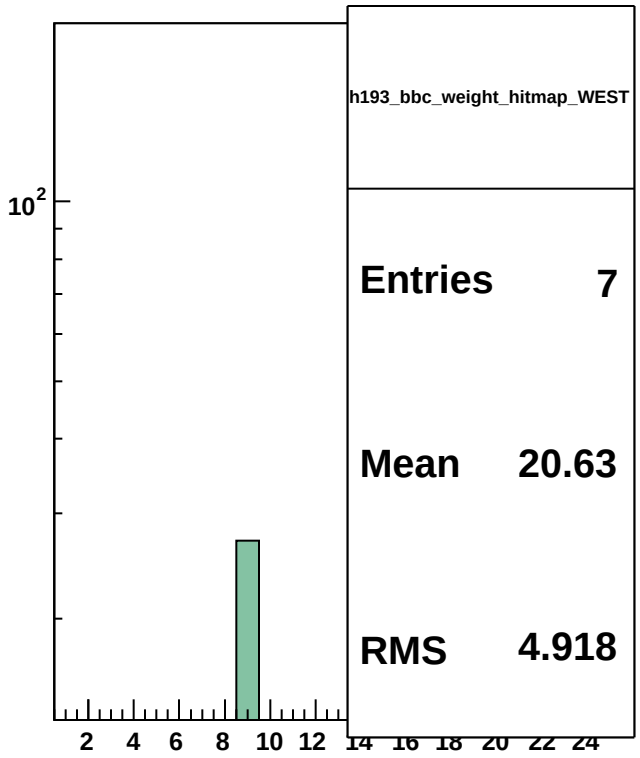
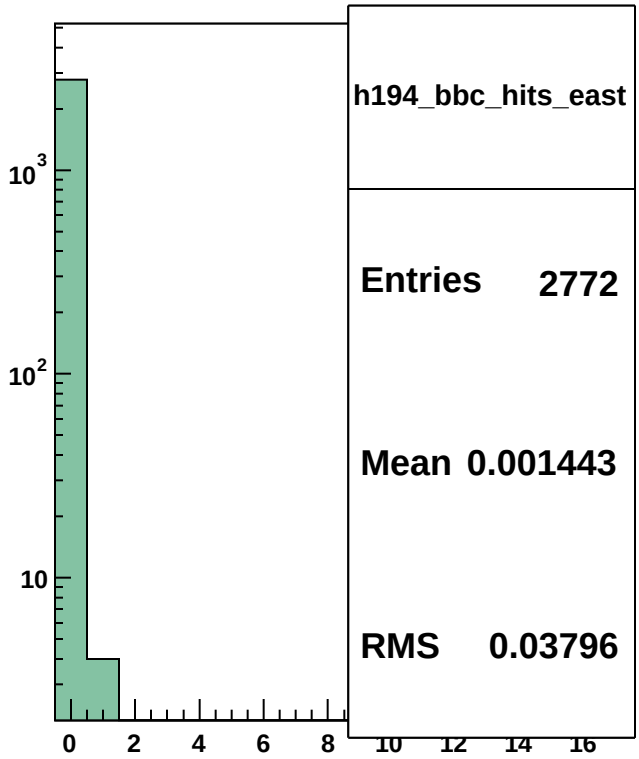
98
99
100
101
102
Not Active
Mask out
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

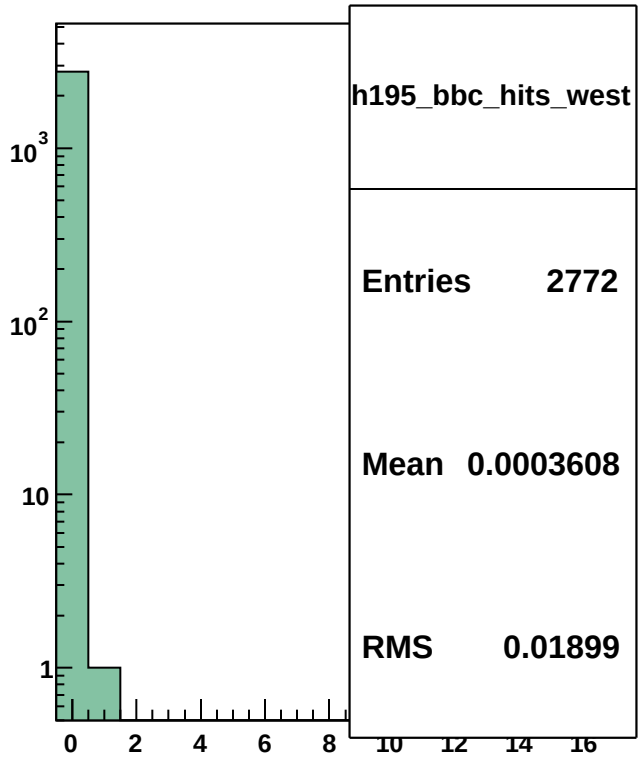

h190_bbc_hitmap_EAST
Entries 7
Mean 14.14
RMS 5.488
1
2 4 6 8 10 12 14 16 18 20 22 24

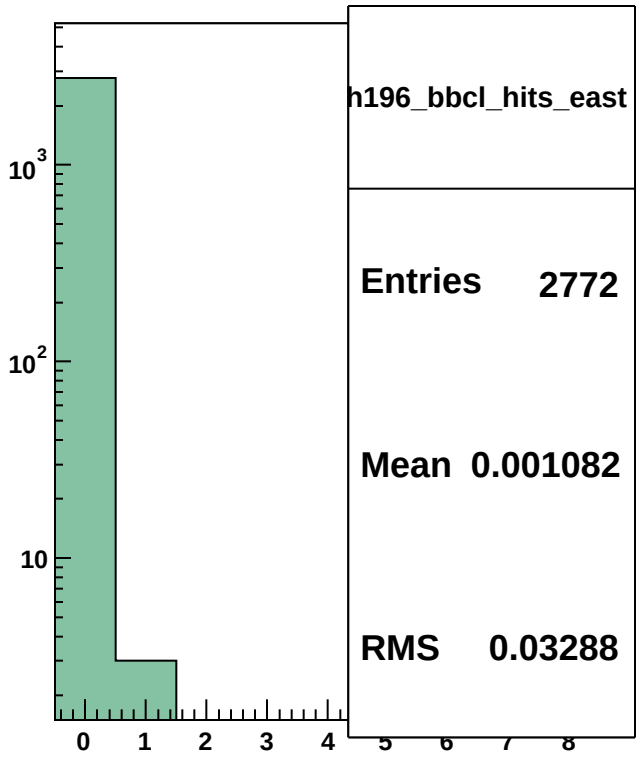

h191_bbc_hitmap_WEST
Entries 7
Mean 20.57
RMS 4.747
1
2 4 6 8 10 12 14 16 18 20 22 24

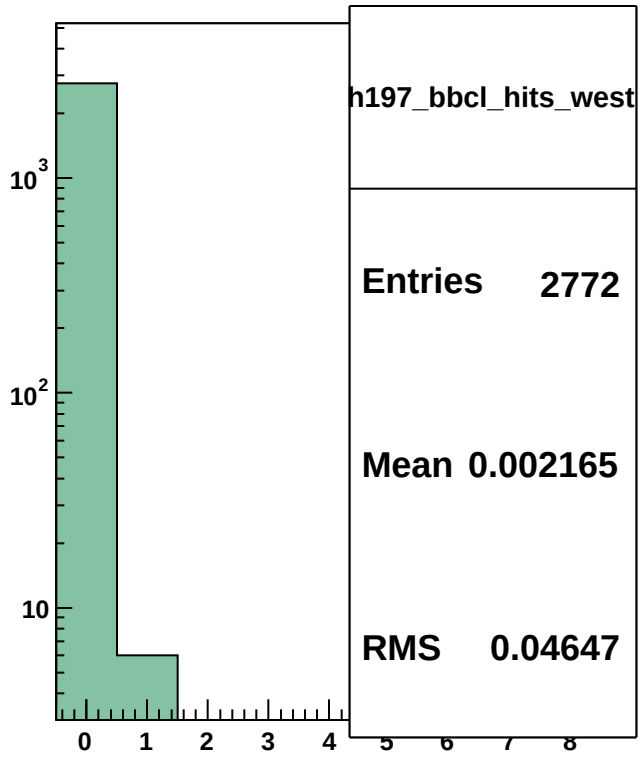

h192_bbc_weight_hitmap_EAST
Entries 7
Mean 16.6
RMS 5.16
10
2 4 6 8 10 12 14 16 18 20 22 24

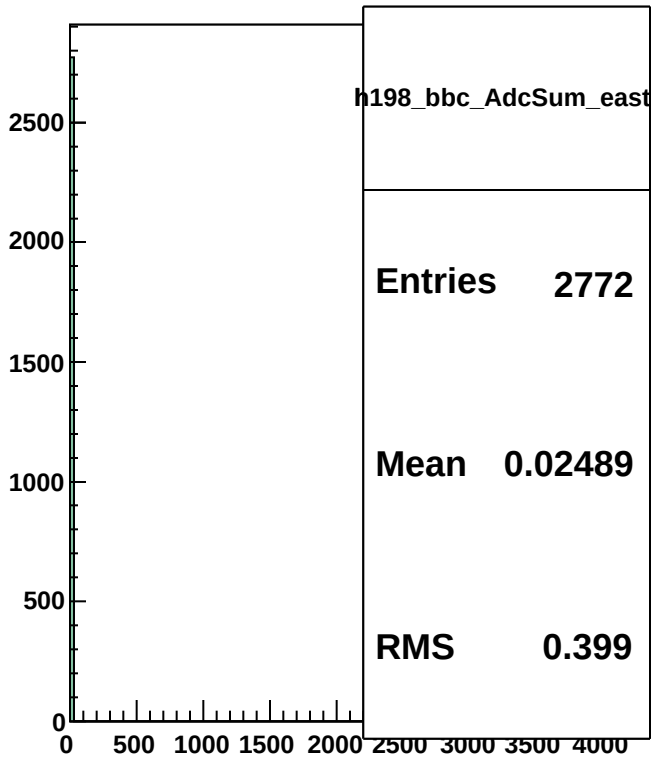

h193_bbc_weight_hitmap_WEST
Entries 7
Mean 20.63
RMS 4.918
10^2
2 4 6 8 10 12 14 16 18 20 22 24

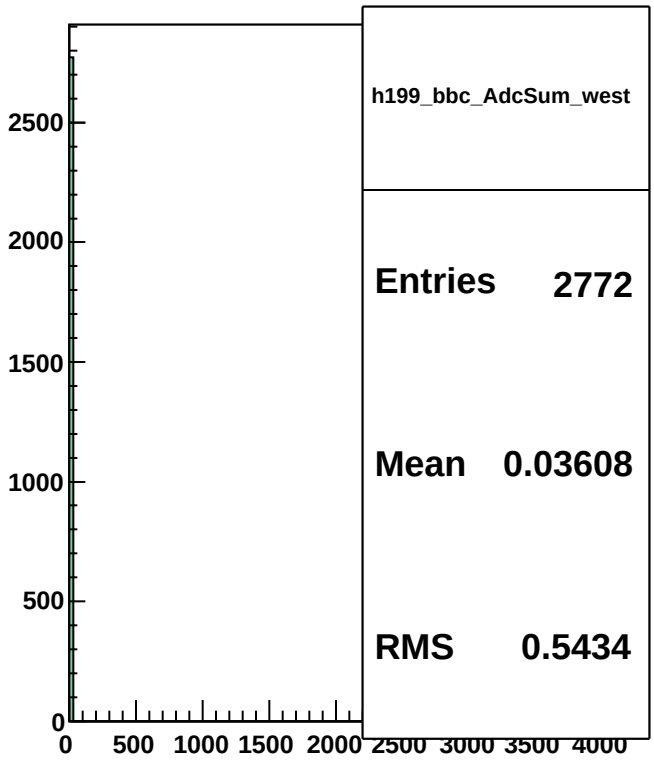

h194_bbc_hits_east
Entries 2772
Mean 0.001443
RMS 0.03796

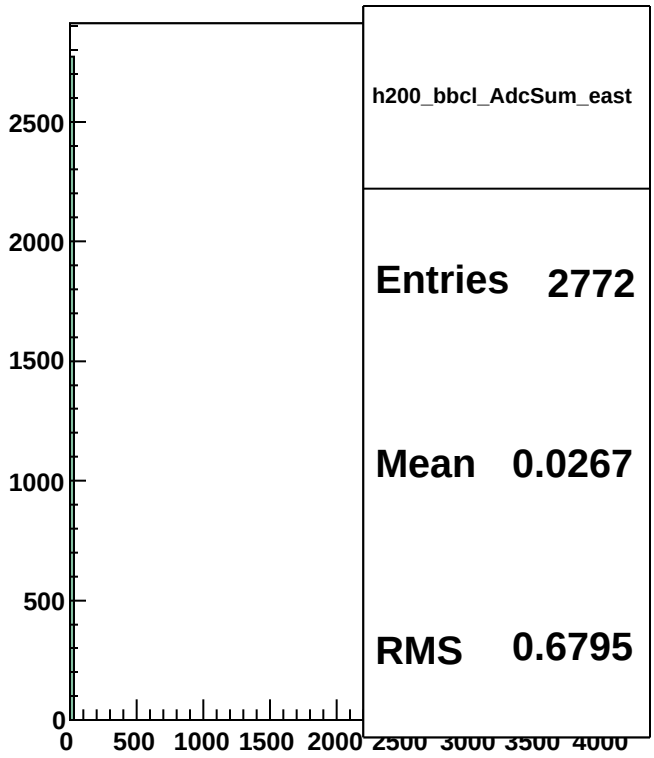

h195_bbc_hits_west
Entries 2772
Mean 0.0003608
RMS 0.01899

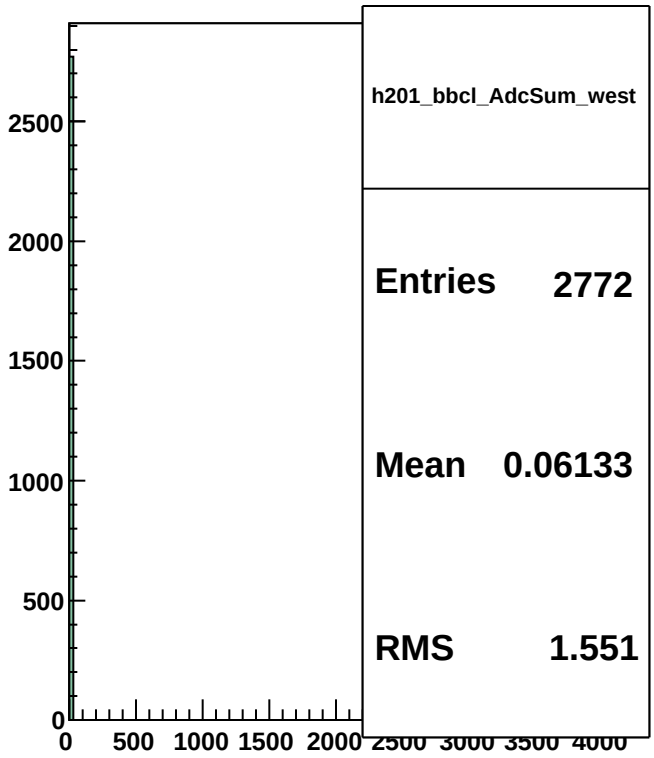

h196_bbcl_hits_east
Entries 2772
Mean 0.001082
RMS 0.03288

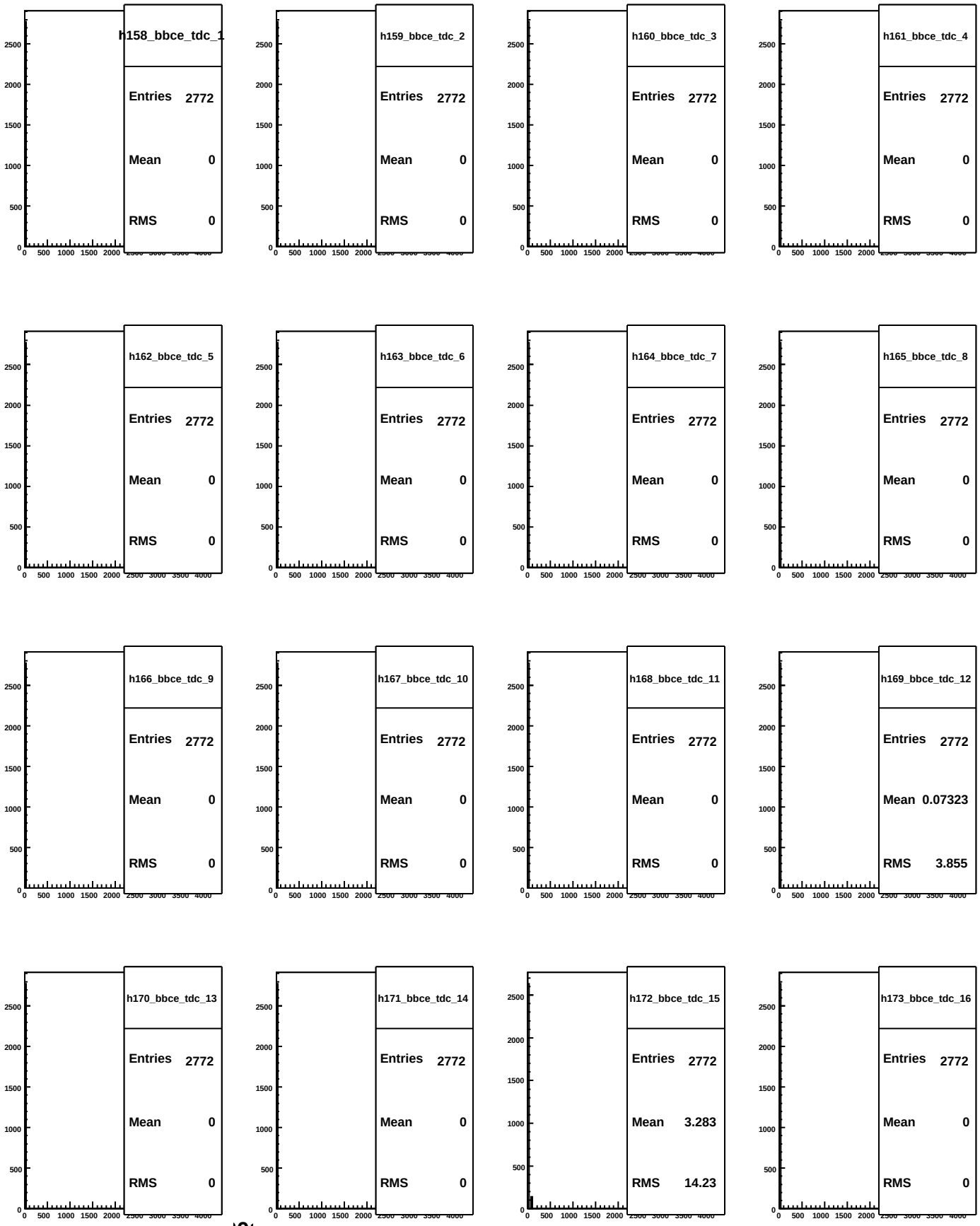

h197_bbcl_hits_west
Entries 2772
Mean 0.002165
RMS 0.04647

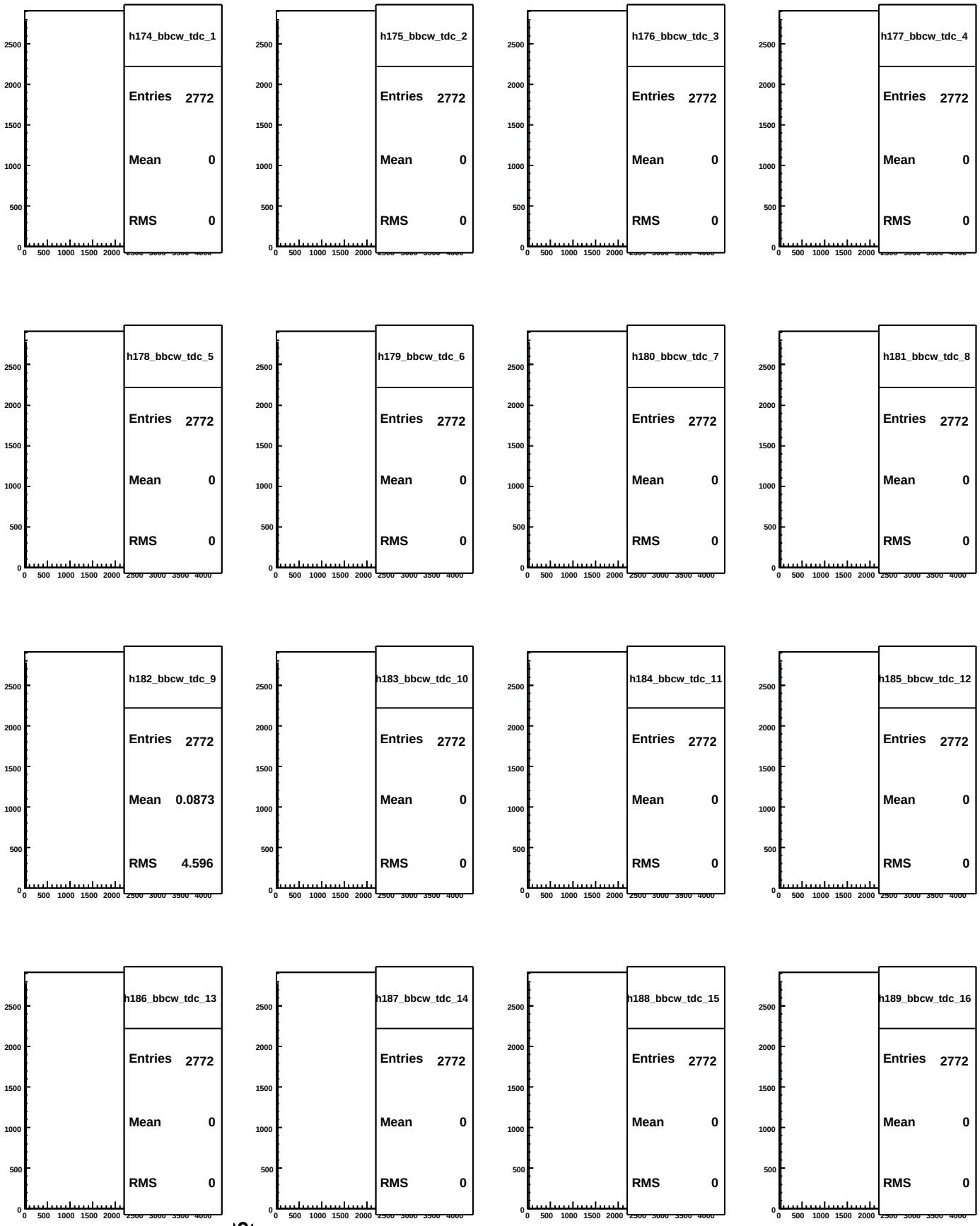

h198_bbc_AdcSum_east
Entries 2772
Mean 0.02489
RMS 0.399
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

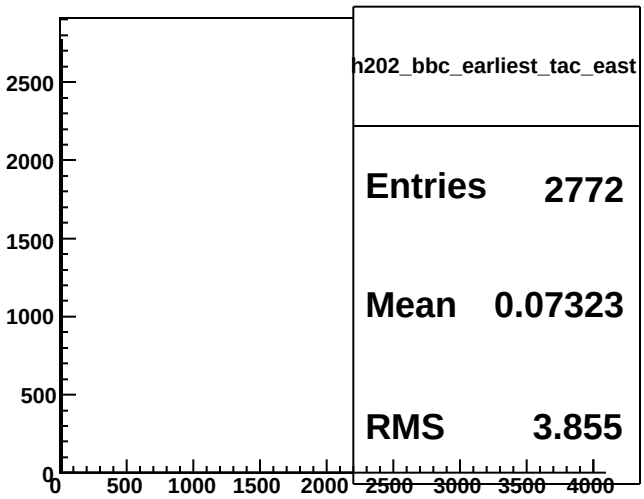

h199_bbc_AdcSum_west
Entries 2772
Mean 0.03608
RMS 0.5434
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

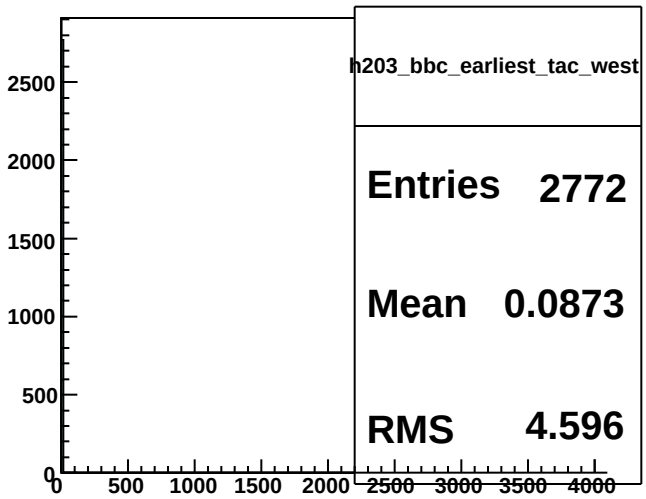

h200_bbcl_AdcSum_east
Entries 2772
Mean 0.0267
RMS 0.6795
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

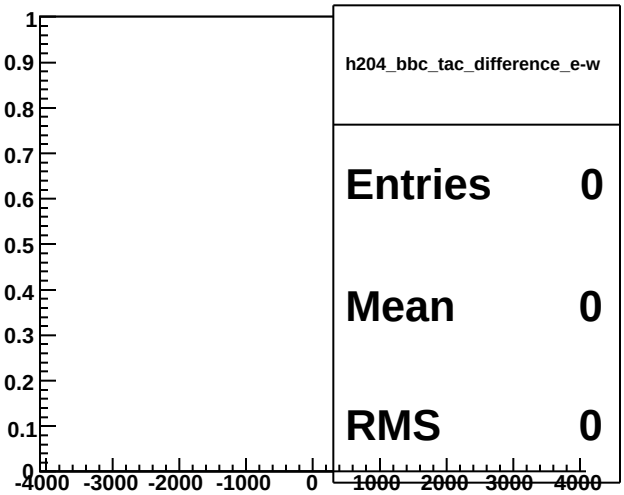

h201_bbcl_AdcSum_west
Entries 2772
Mean 0.06133
RMS 1.551
0
500
1000
1500
2000
2500
0
500
1000
1500
2000
2500
3000
3500
4000

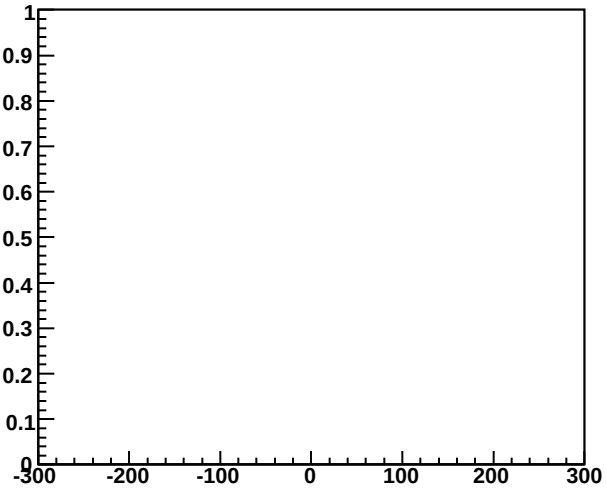

h158_bbce_tdc_1
Entries 2772
Mean 0
RMS 0
h159_bbce_tdc_2
Entries 2772
Mean 0
RMS 0
h160_bbce_tdc_3
Entries 2772
Mean 0
RMS 0
h161_bbce_tdc_4
Entries 2772
Mean 0
RMS 0
h162_bbce_tdc_5
Entries 2772
Mean 0
RMS 0
h163_bbce_tdc_6
Entries 2772
Mean 0
RMS 0
h164_bbce_tdc_7
Entries 2772
Mean 0
RMS 0
h165_bbce_tdc_8
Entries 2772
Mean 0
RMS 0
h166_bbce_tdc_9
Entries 2772
Mean 0
RMS 0
h167_bbce_tdc_10
Entries 2772
Mean 0
RMS 0
h168_bbce_tdc_11
Entries 2772
Mean 0
RMS 0
h169_bbce_tdc_12
Entries 2772
Mean 0.07323
RMS 3.855
h170_bbce_tdc_13
Entries 2772
Mean 0
RMS 0
h171_bbce_tdc_14
Entries 2772
Mean 0
RMS 0
h172_bbce_tdc_15
Entries 2772
Mean 3.283
RMS 14.23
h173_bbce_tdc_16
Entries 2772
Mean 0
RMS 0

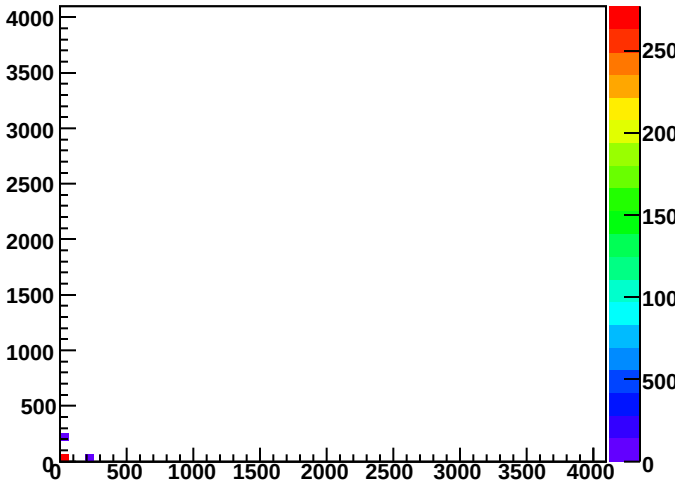

h174_bbcw_tdc_1
Entries 2772
Mean 0
RMS 0
h175_bbcw_tdc_2
Entries 2772
Mean 0
RMS 0
h176_bbcw_tdc_3
Entries 2772
Mean 0
RMS 0
h177_bbcw_tdc_4
Entries 2772
Mean 0
RMS 0
h178_bbcw_tdc_5
Entries 2772
Mean 0
RMS 0
h179_bbcw_tdc_6
Entries 2772
Mean 0
RMS 0
h180_bbcw_tdc_7
Entries 2772
Mean 0
RMS 0
h181_bbcw_tdc_8
Entries 2772
Mean 0
RMS 0
h182_bbcw_tdc_9
Entries 2772
Mean 0.0873
RMS 4.596
h183_bbcw_tdc_10
Entries 2772
Mean 0
RMS 0
h184_bbcw_tdc_11
Entries 2772
Mean 0
RMS 0
h185_bbcw_tdc_12
Entries 2772
Mean 0
RMS 0
h186_bbcw_tdc_13
Entries 2772
Mean 0
RMS 0
h187_bbcw_tdc_14
Entries 2772
Mean 0
RMS 0
h188_bbcw_tdc_15
Entries 2772
Mean 0
RMS 0
h189_bbcw_tdc_16
Entries 2772
Mean 0
RMS 0

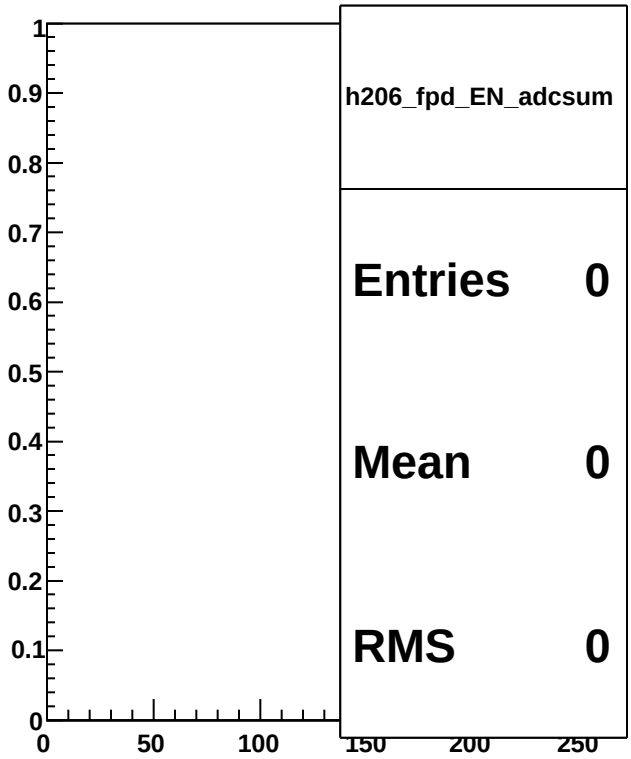

h202_bbc_earliest_tac_east
Entries 2772
Mean 0.07323
RMS 3.855

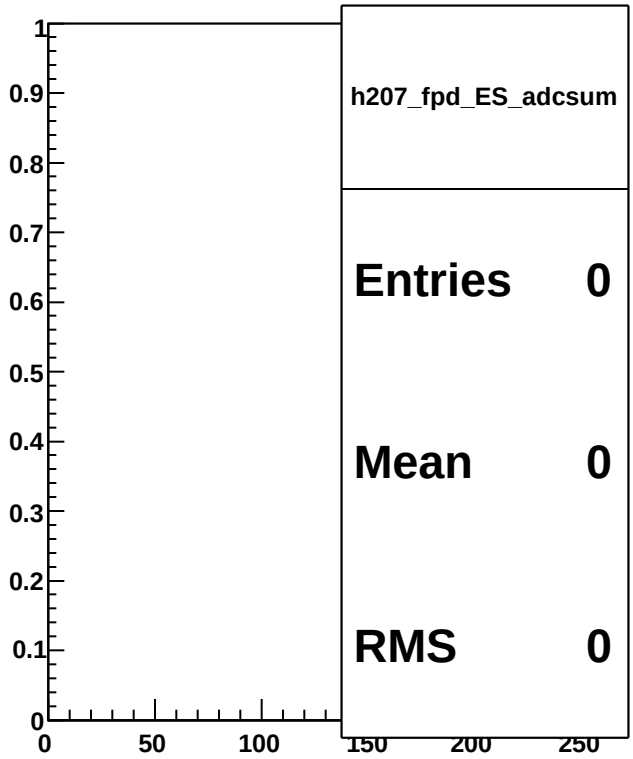

h203_bbc_earliest_tac_west
Entries 2772
Mean 0.0873
RMS 4.596

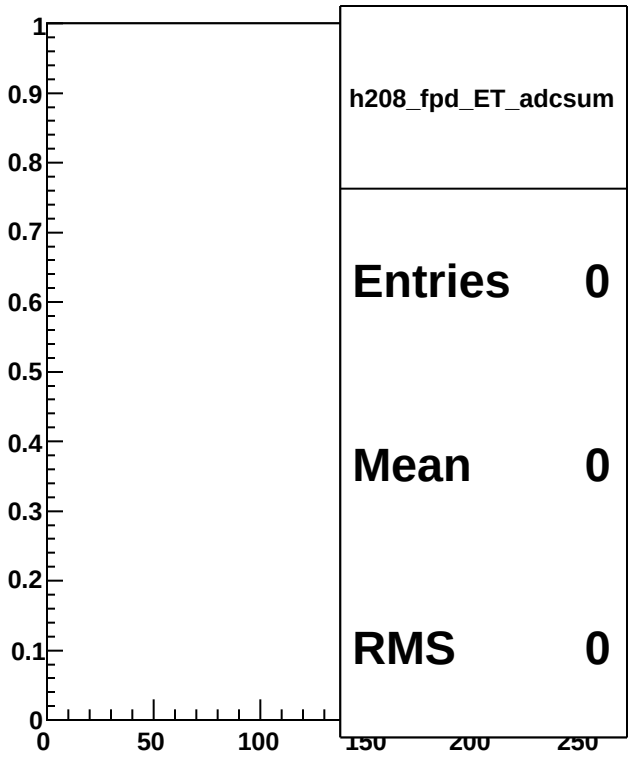

h204_bbc_tac_difference_e-w
Entries 0
Mean 0
RMS 0

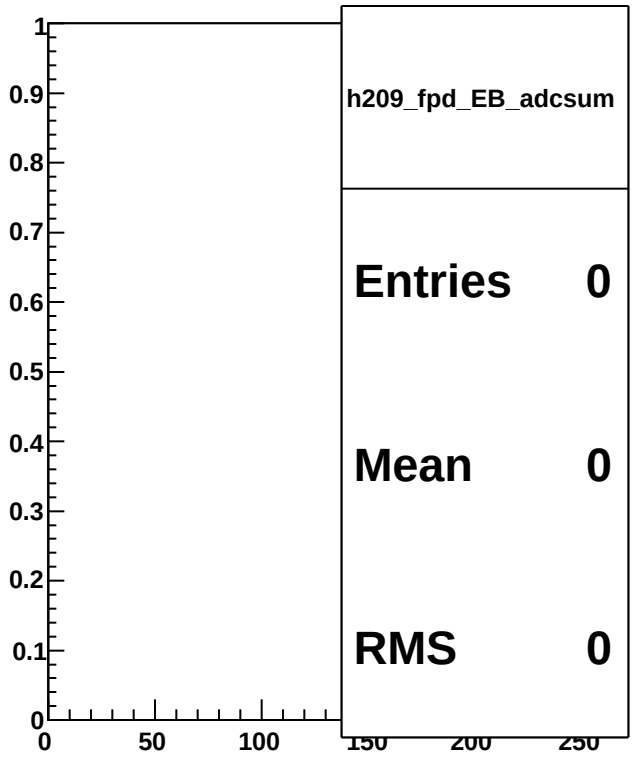


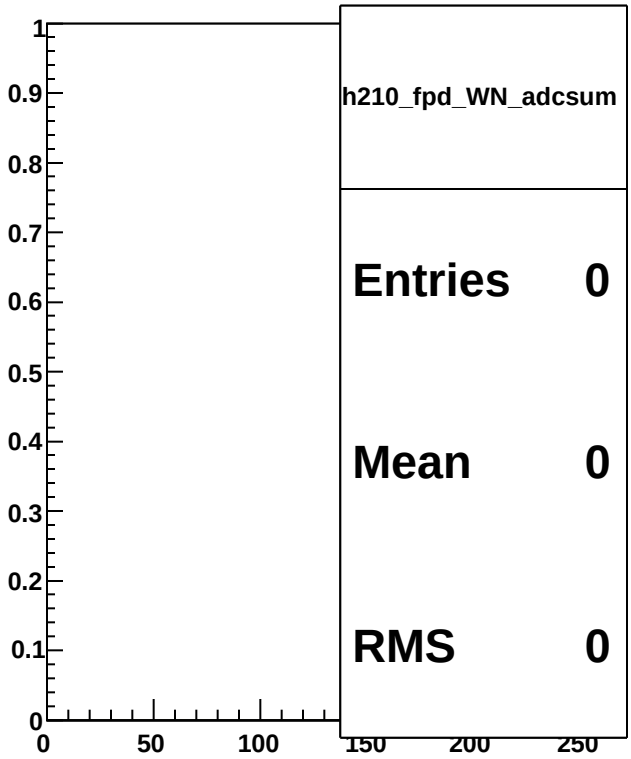


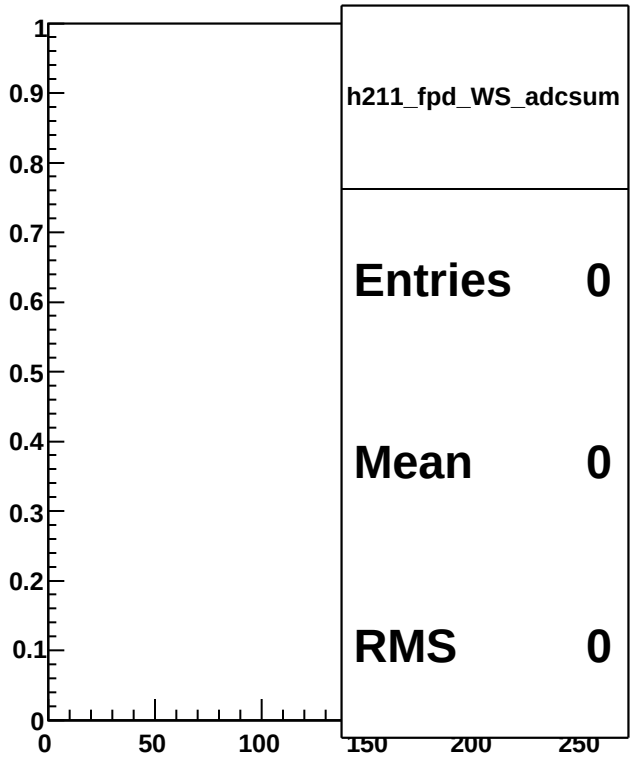

h206_fpd_EN_adcsum
Entries 0
Mean 0
RMS 0


h207_fpd_ES_adcsum
Entries 0
Mean 0
RMS 0


h208_fpd_ET_adcsum
Entries 0
Mean 0
RMS 0


h209_fpd_EB_adcsum
Entries 0
Mean 0
RMS 0


h210_fpd_WN_adcsum
Entries 0
Mean 0
RMS 0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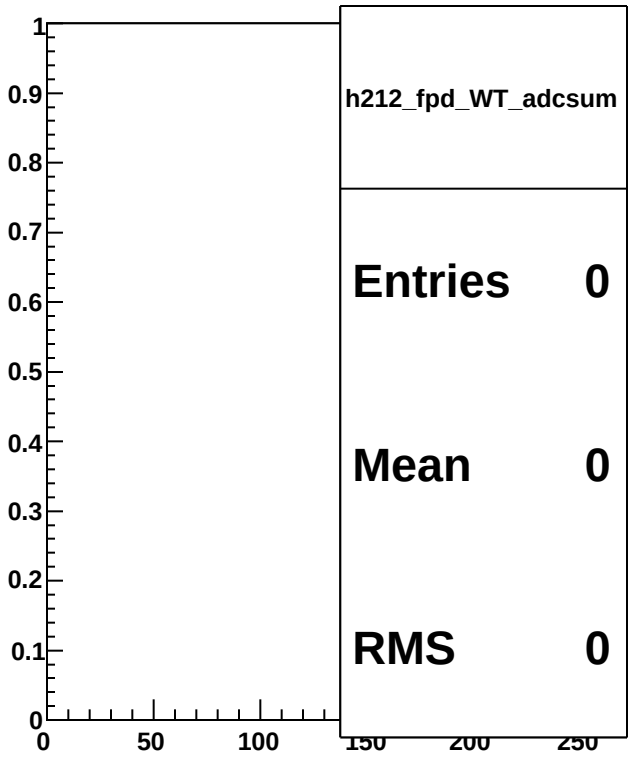
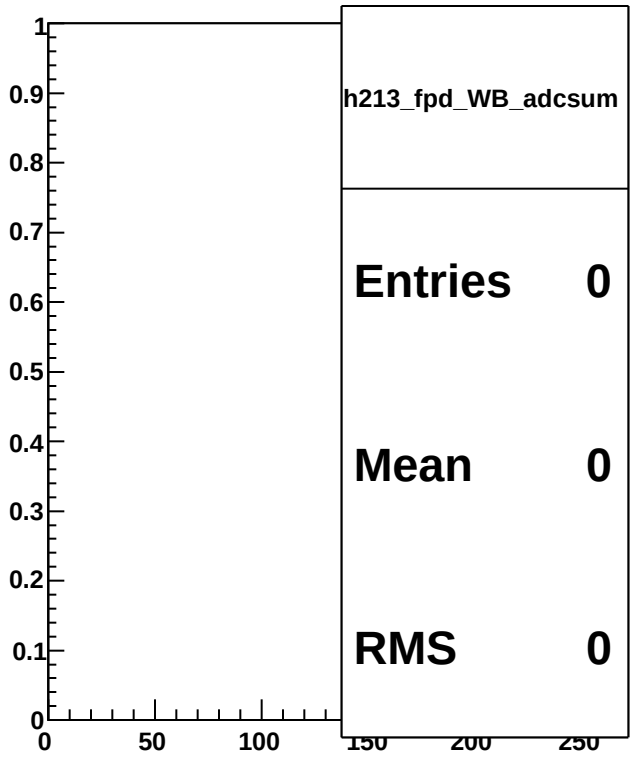
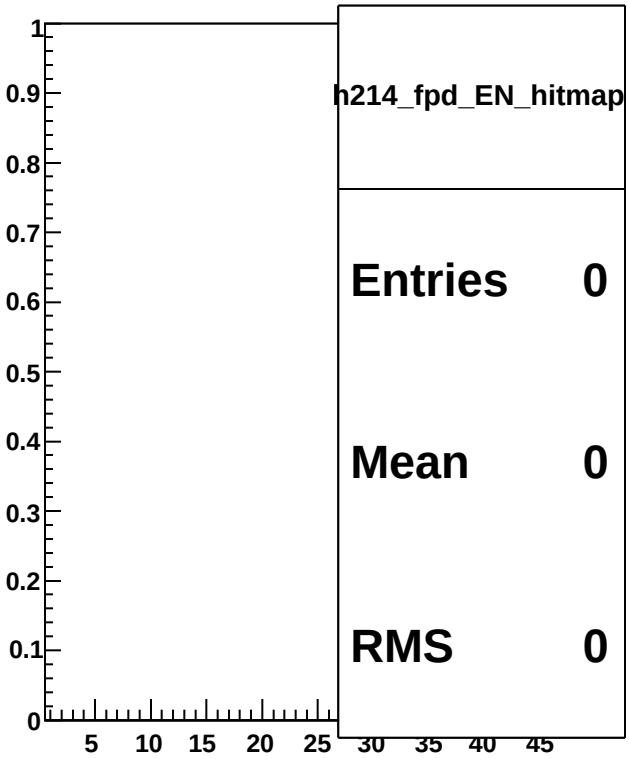
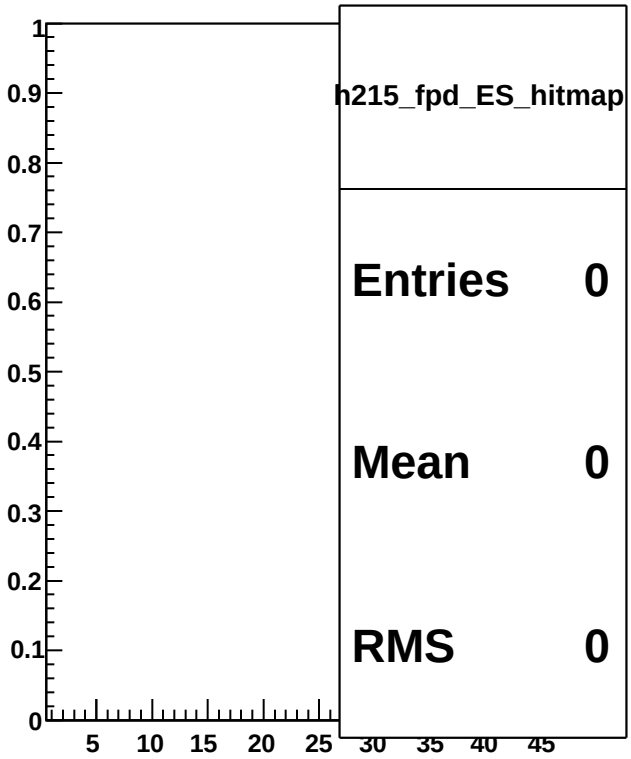
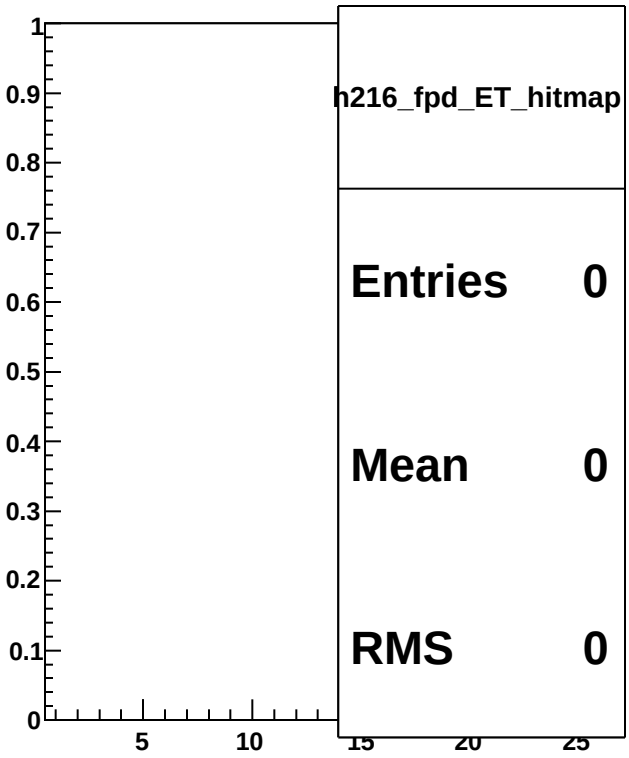
Mean 0
RMS 0

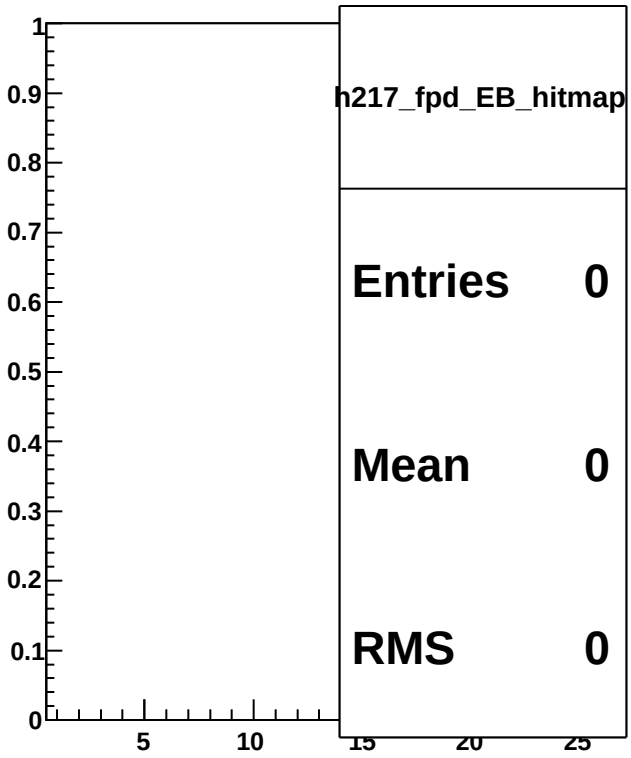

h212_fpd_WT_adcsum
Entries 0
Mean 0
RMS 0

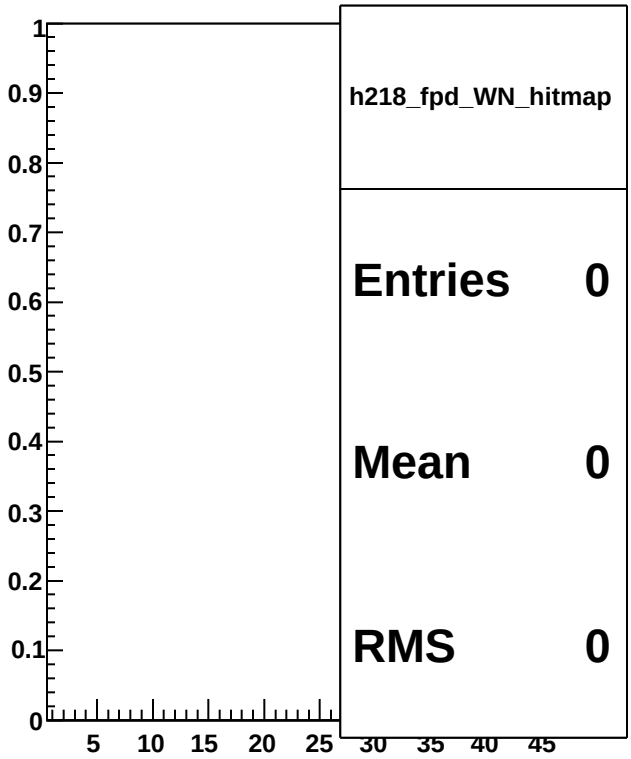

h213_fpd_WB_adcsum
Entries 0
Mean 0
RMS 0

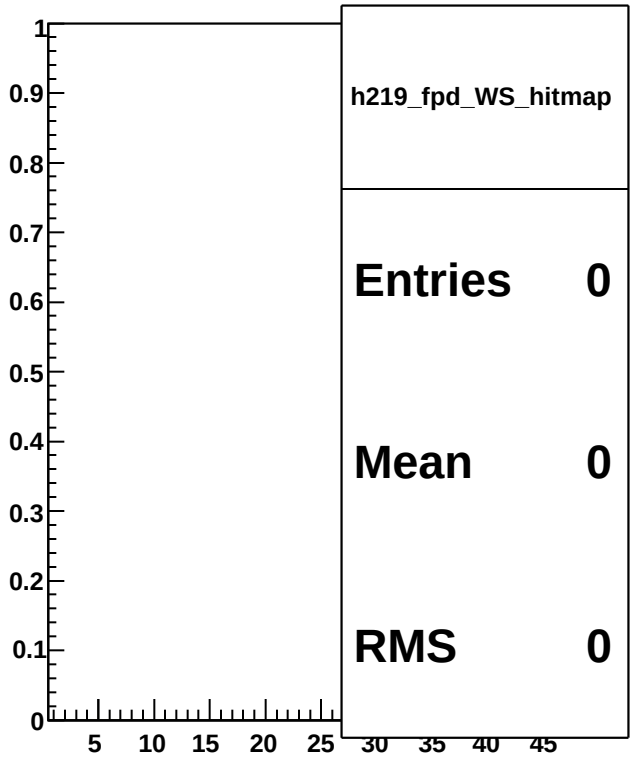

h214_fpd_EN_hitmap
Entries 0
Mean 0
RMS 0


h215_fpd_ES_hitmap
Entries 0
Mean 0
RMS 0


h216_fpd_ET_hitmap
Entries 0
Mean 0
RMS 0


h217_fpd_EB_hitmap
Entries 0
Mean 0
RMS 0


h218_fpd_WN_hitmap
Entries 0
Mean 0
RMS 0


h219_fpd_WS_hitmap
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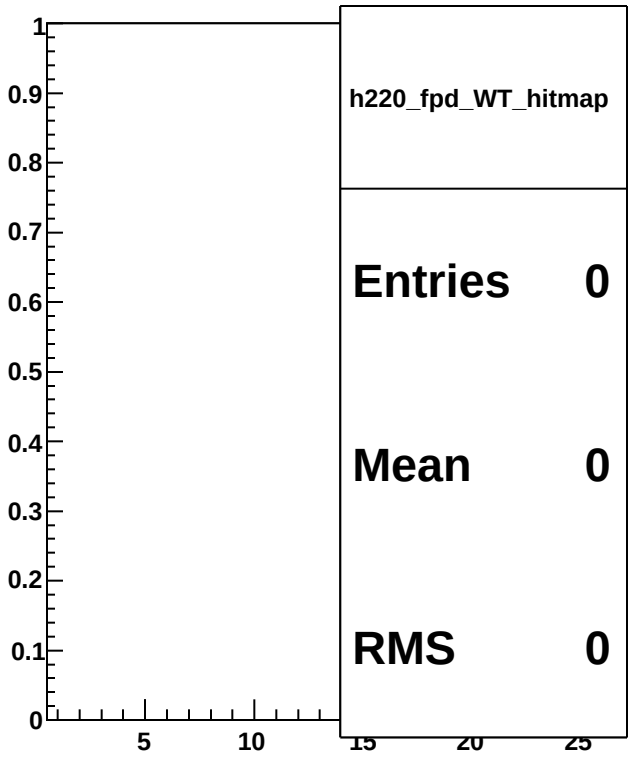
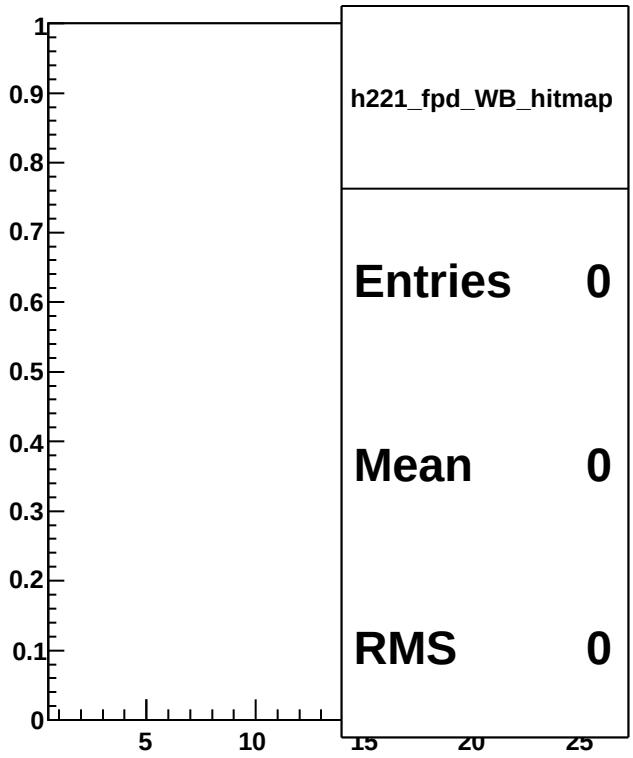
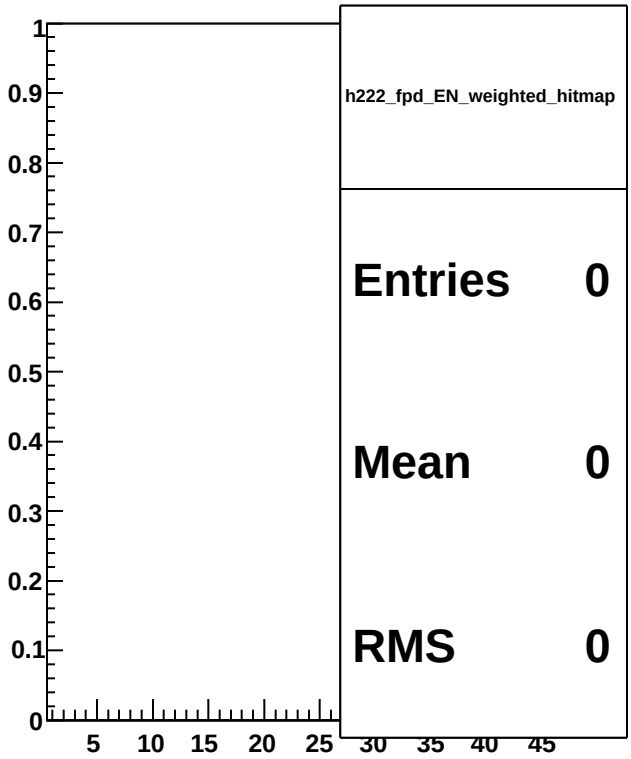
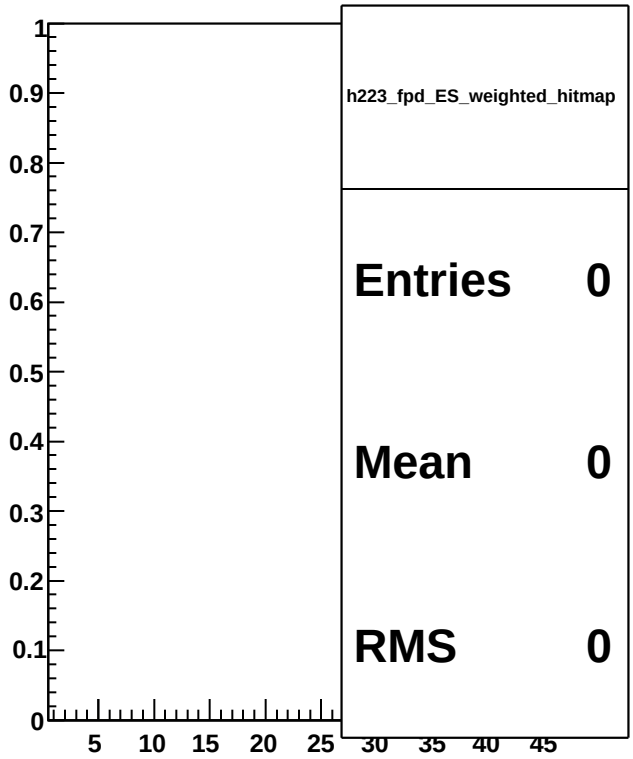
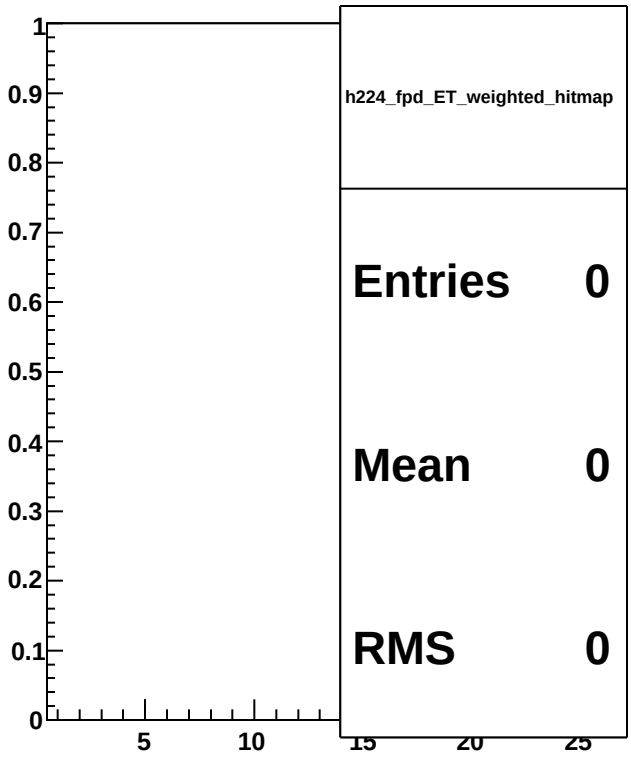
Mean 0
RMS 0

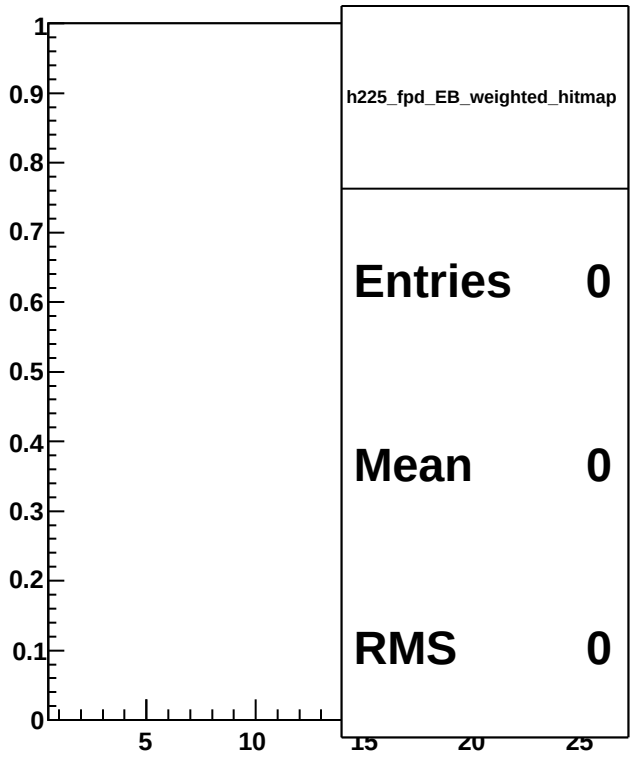

h220_fpd_WT_hitmap
Entries 0
Mean 0
RMS 0

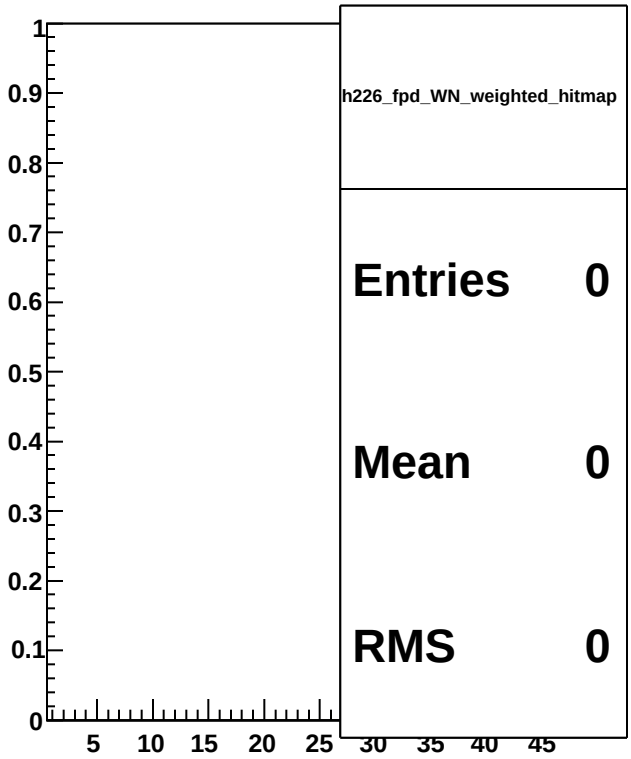

h221_fpd_WB_hitmap
Entries 0
Mean 0
RMS 0

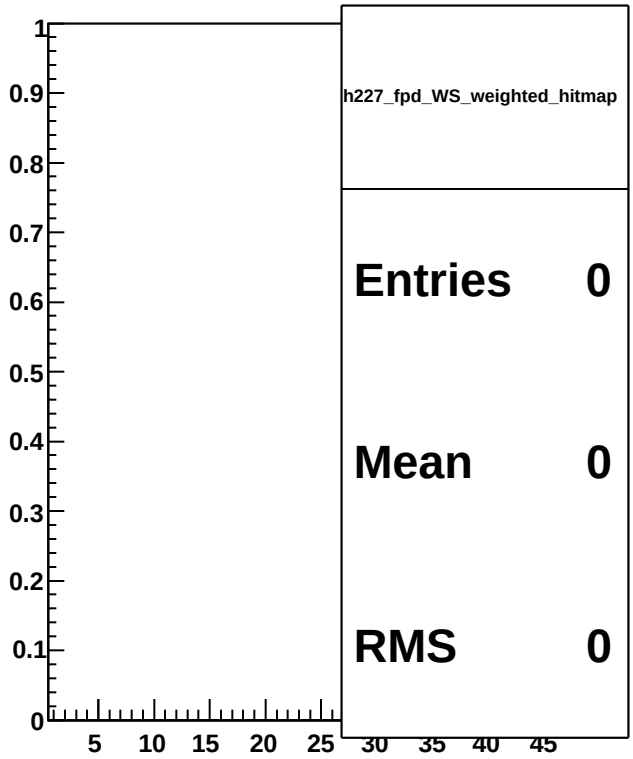

h222_fpd_EN_weighted_hitmap
Entries 0
Mean 0
RMS 0

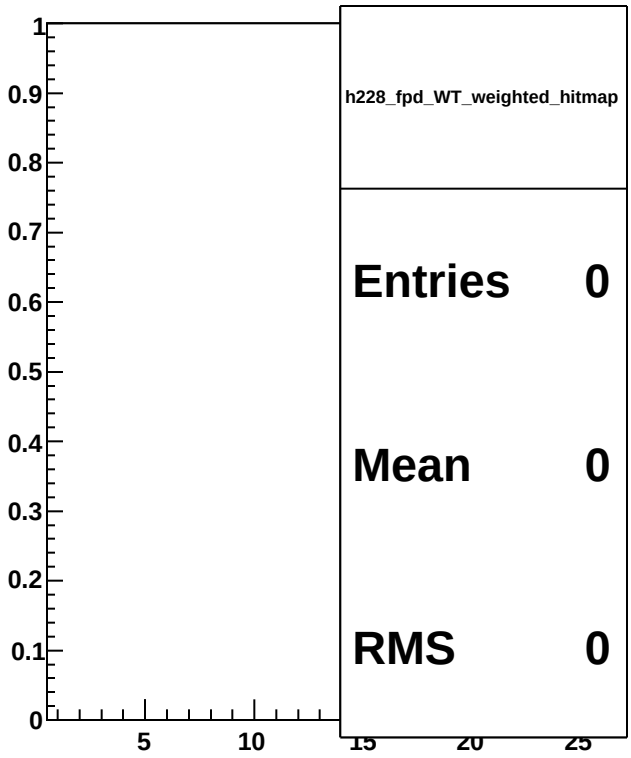

h223_fpd_ES_weighted_hitmap
Entries 0
Mean 0
RMS 0

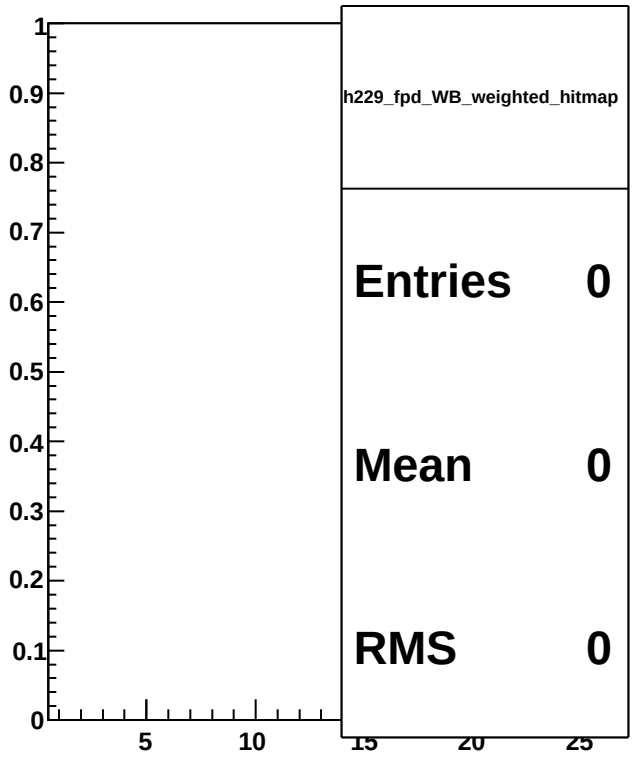

h224_fpd_ET_weighted_hitmap
Entries 0
Mean 0
RMS 0

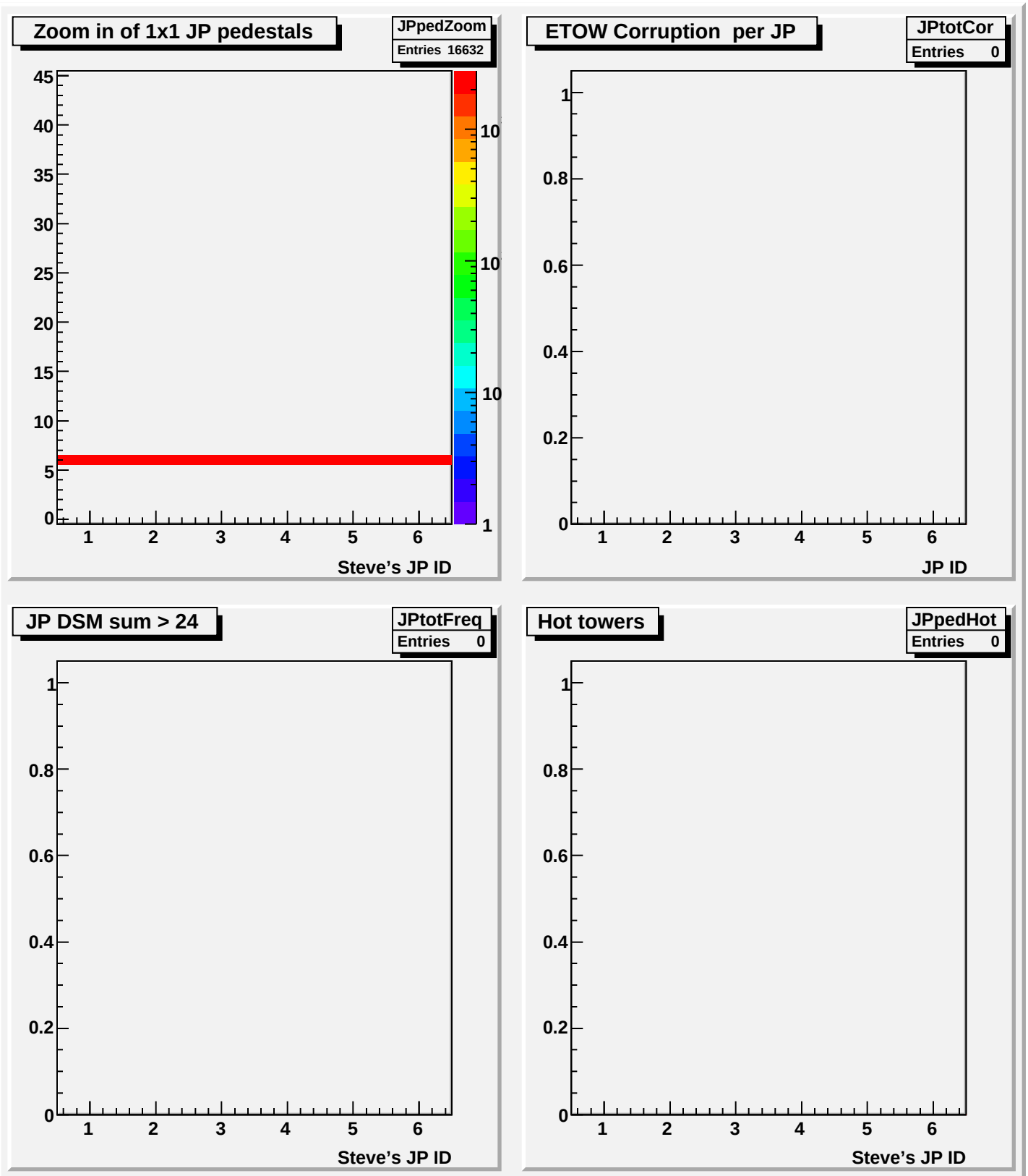

h225_fpd_EB_weighted_hitmap
Entries 0
Mean 0
RMS 0


h226_fpd_WN_weighted_hitmap
Entries 0
Mean 0
RMS 0


h227_fpd_WS_weighted_hitmap
Entries 0
Mean 0
RMS 0


h228_fpd_WT_weighted_hitmap
Entries 0
Mean 0
RMS 0


h229_fpd_WB_weighted_hitmap
Entries 0
Mean 0
RMS 0



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

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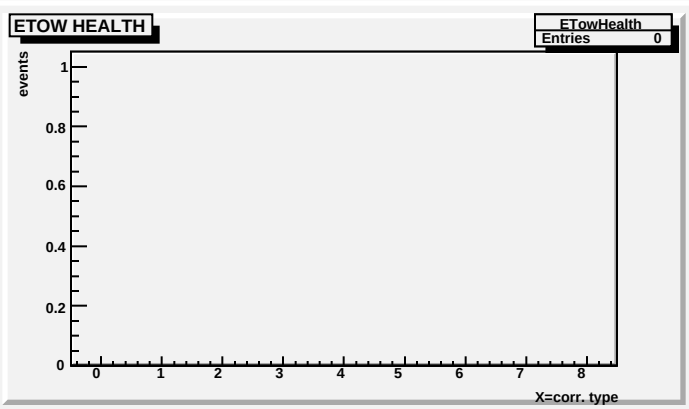
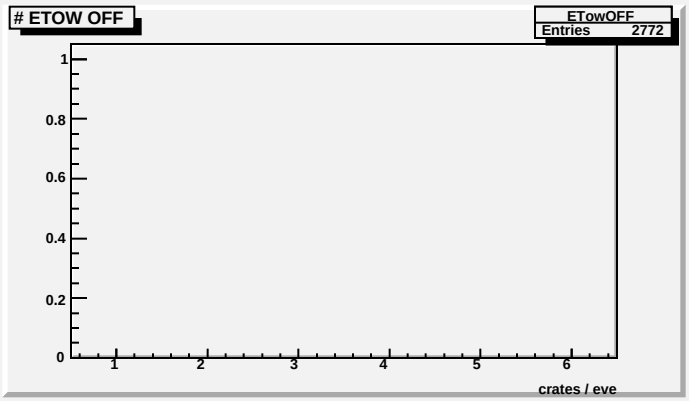
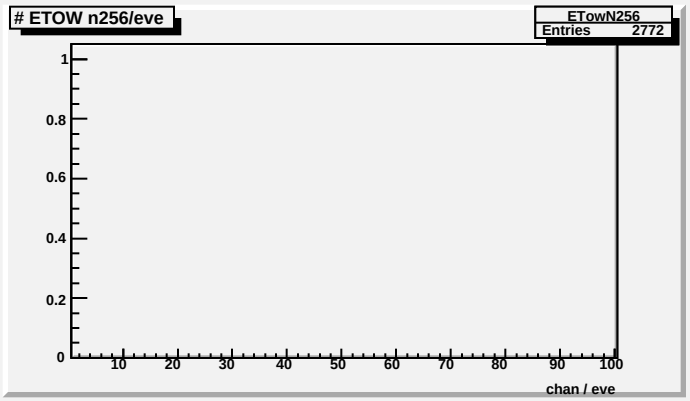
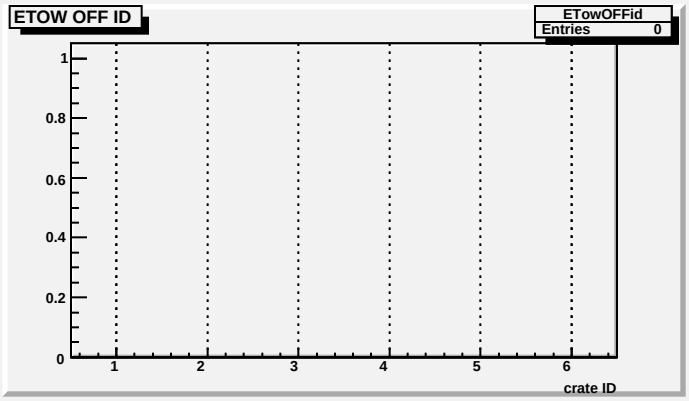
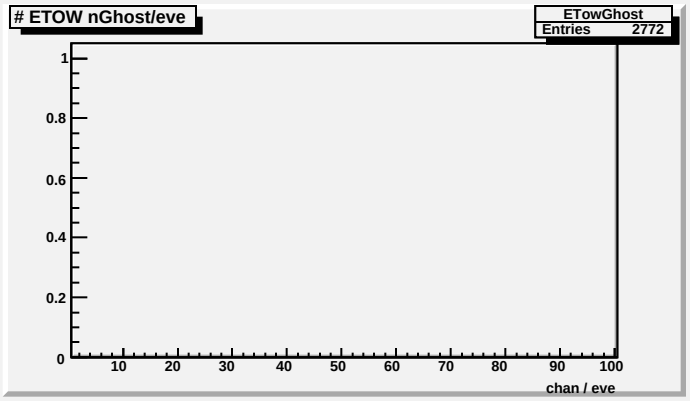

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

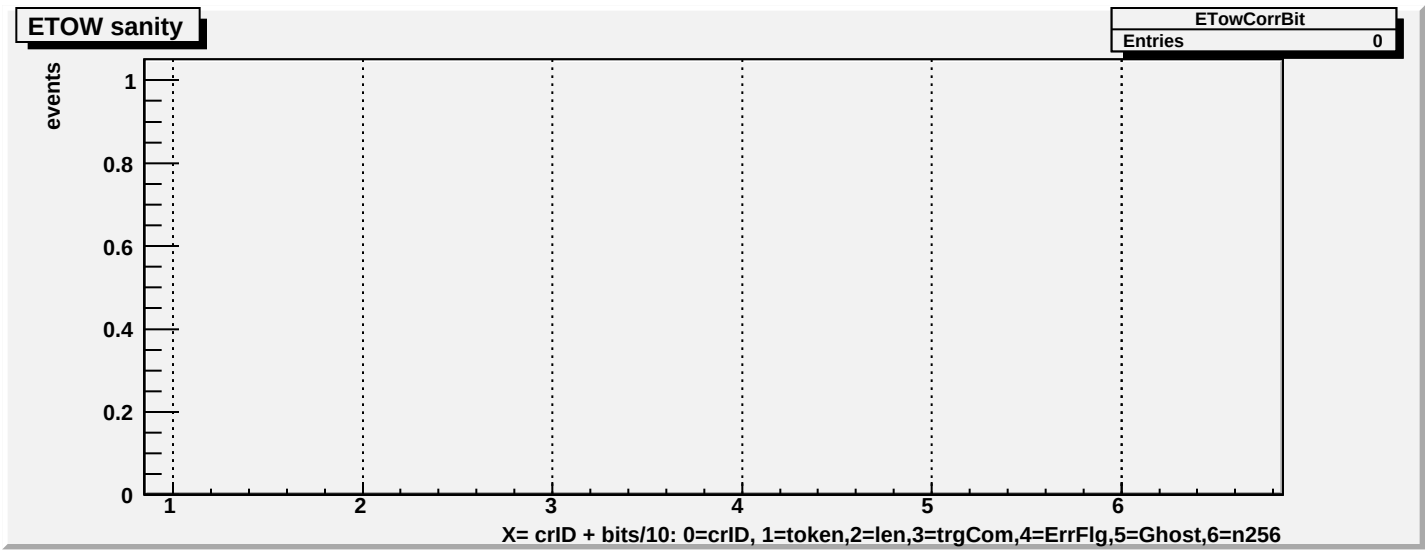
ETOW head corr
ETowHeadCorr
Entries 2772
crates / eve

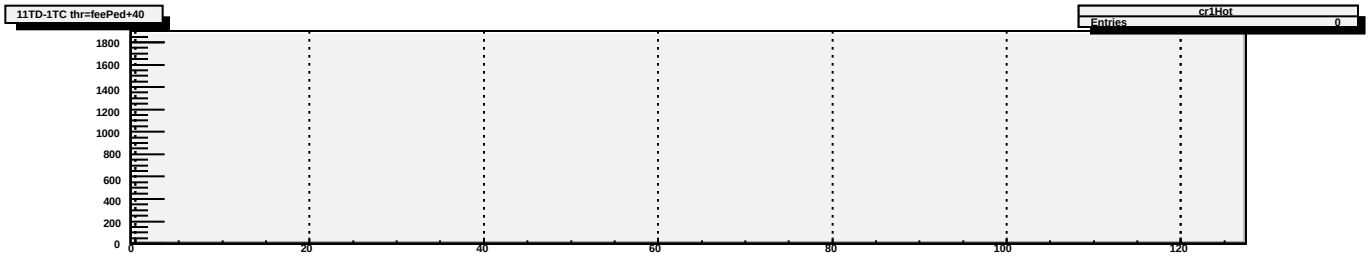

ETOW OFF
ETowOFF
Entries 2772
crates / eve

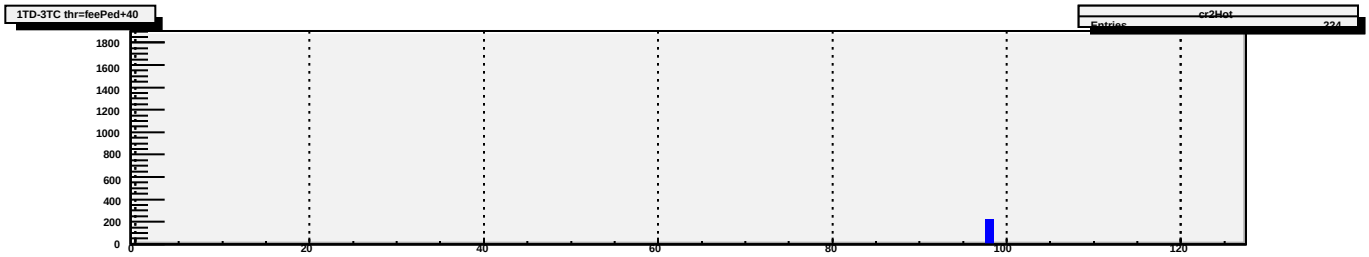

ETOW n256/eve
ETowN256
Entries 2772
chan / eve

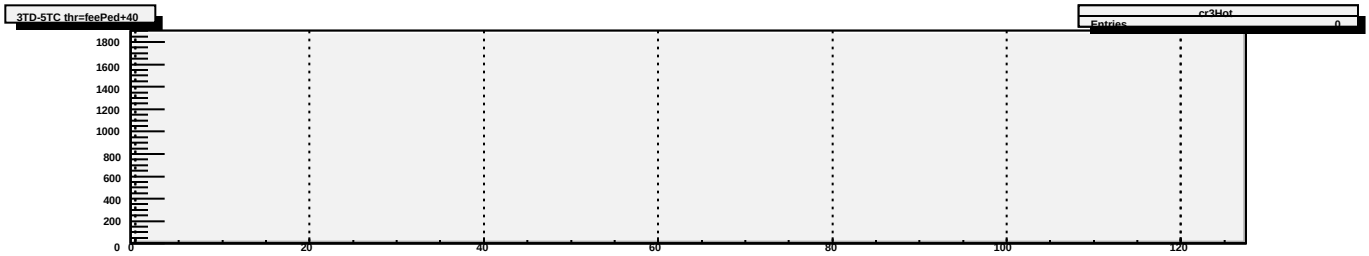

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

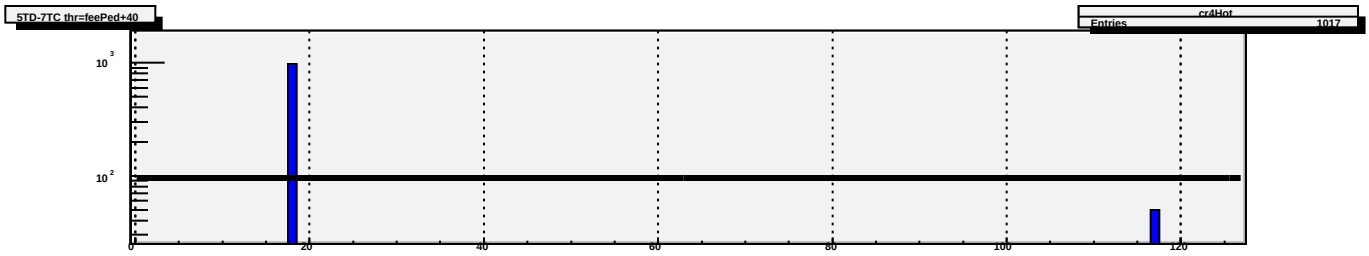

ETOW nGhost/eve
ETowGhost
Entries 2772
chan / eve

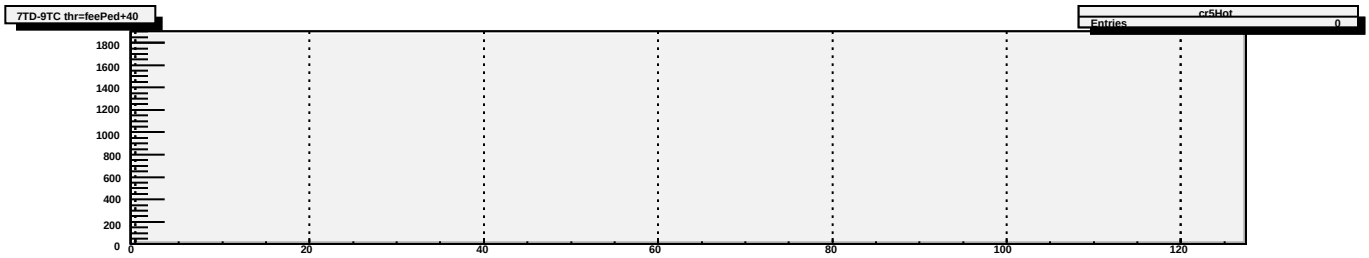

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

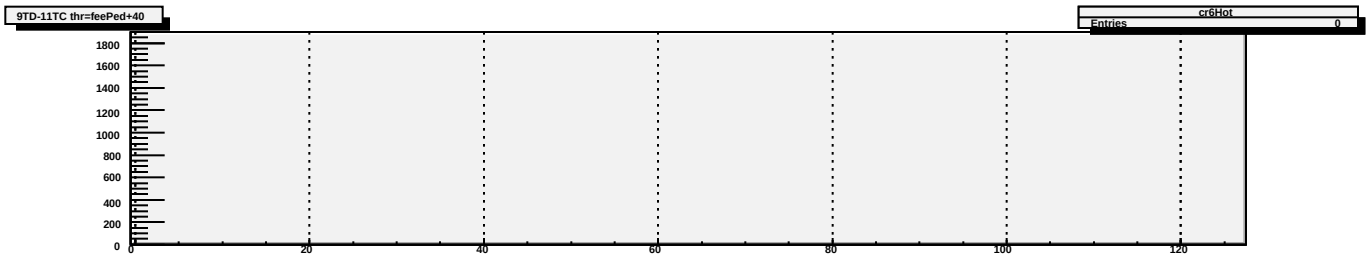

11TD-1TC thr=feePed+40
cr1Hot
Entries 0

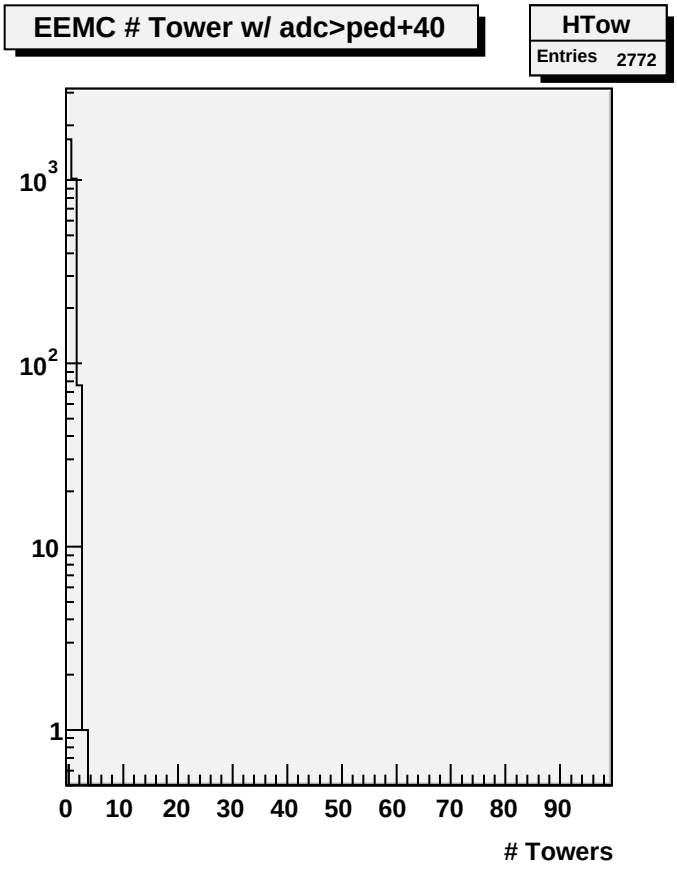

1TD-3TC thr=feePed+40
cr2Hot
Entries 234

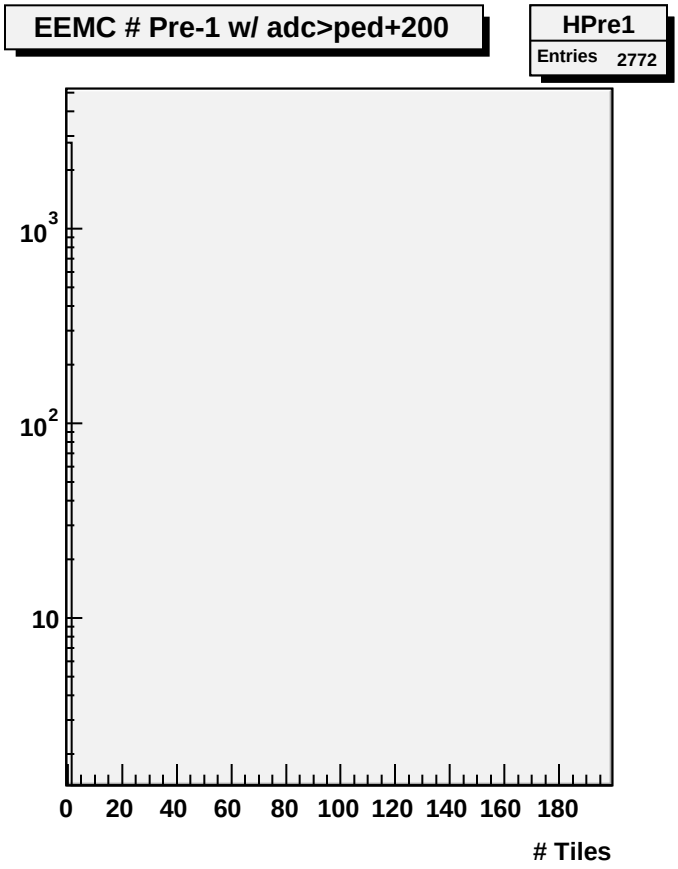

3TD-5TC thr=feePed+40
cr3Hot
Entries 0

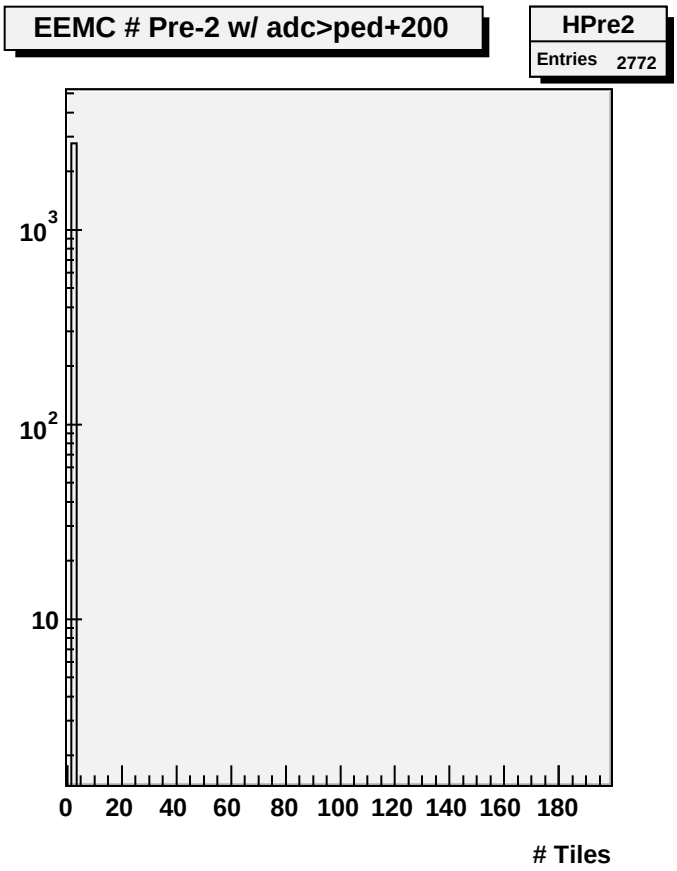

5TD-7TC thr=feePed+40
cr4Hot
Entries 1017

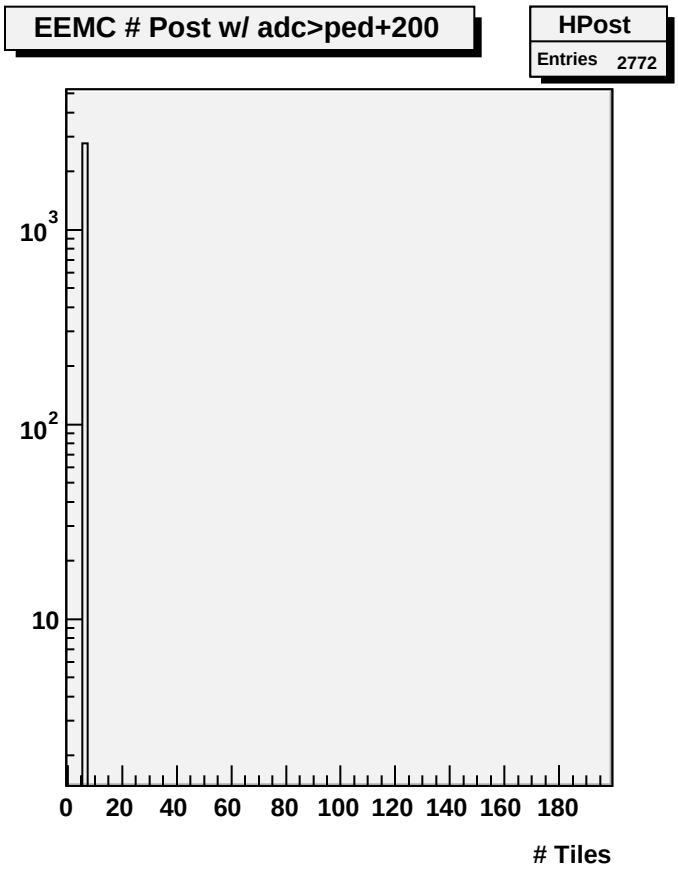

7TD-9TC thr=feePed+40
cr5Hot
Entries 0

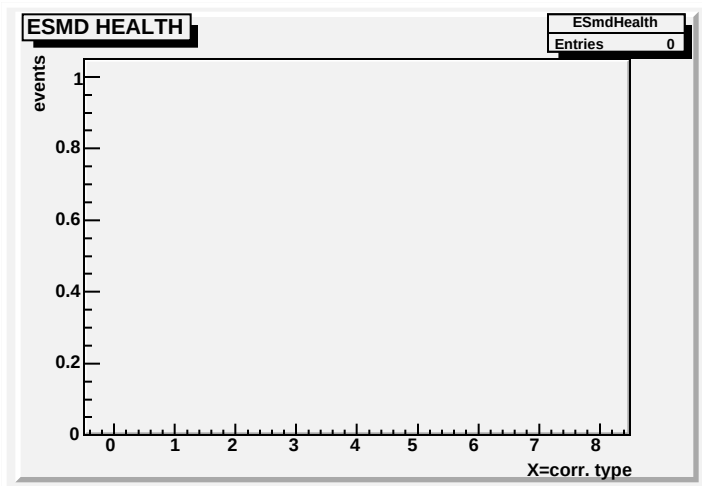

9TD-11TC thr=feePed+40
cr6Hot
Entries 0

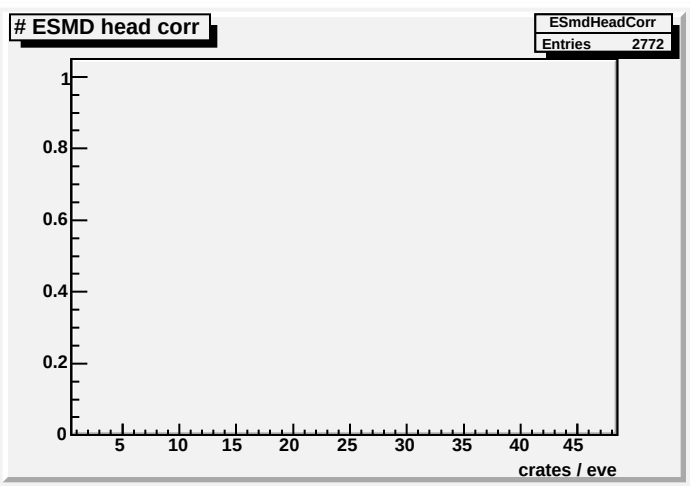

EEMC # Tower w/ adc>ped+40
HTow
Entries 2772
10^3
10^2
10
1
0 10 20 30 40 50 60 70 80 90
Towers

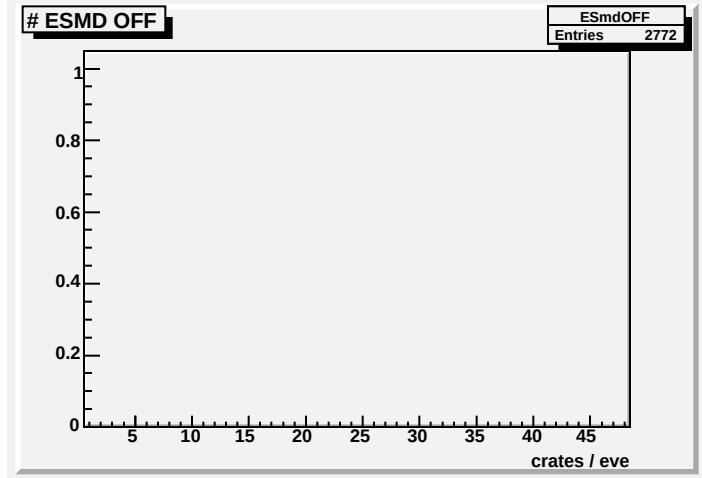

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 2772
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Tiles

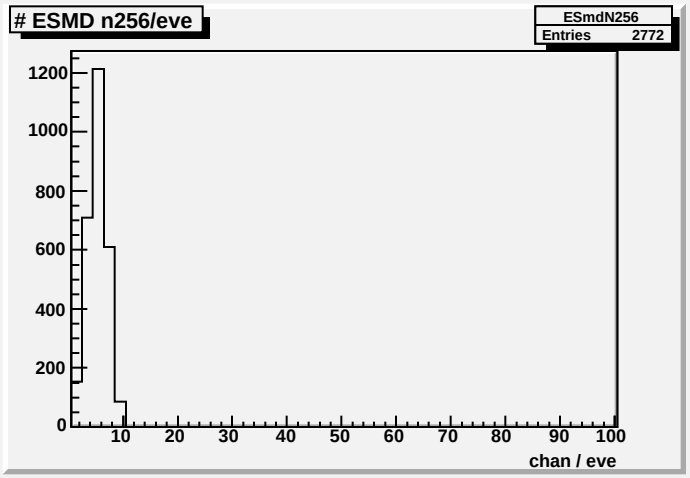

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 2772
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Tiles

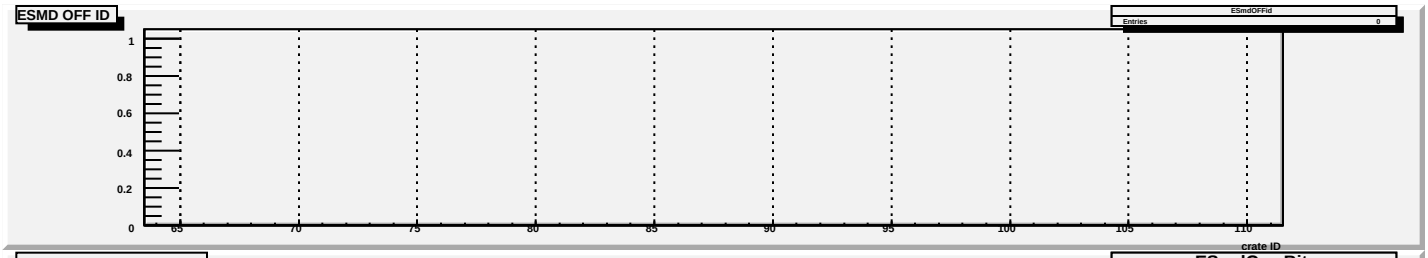

EEMC # Post w/ adc>ped+200
HPost
Entries 2772
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Tiles

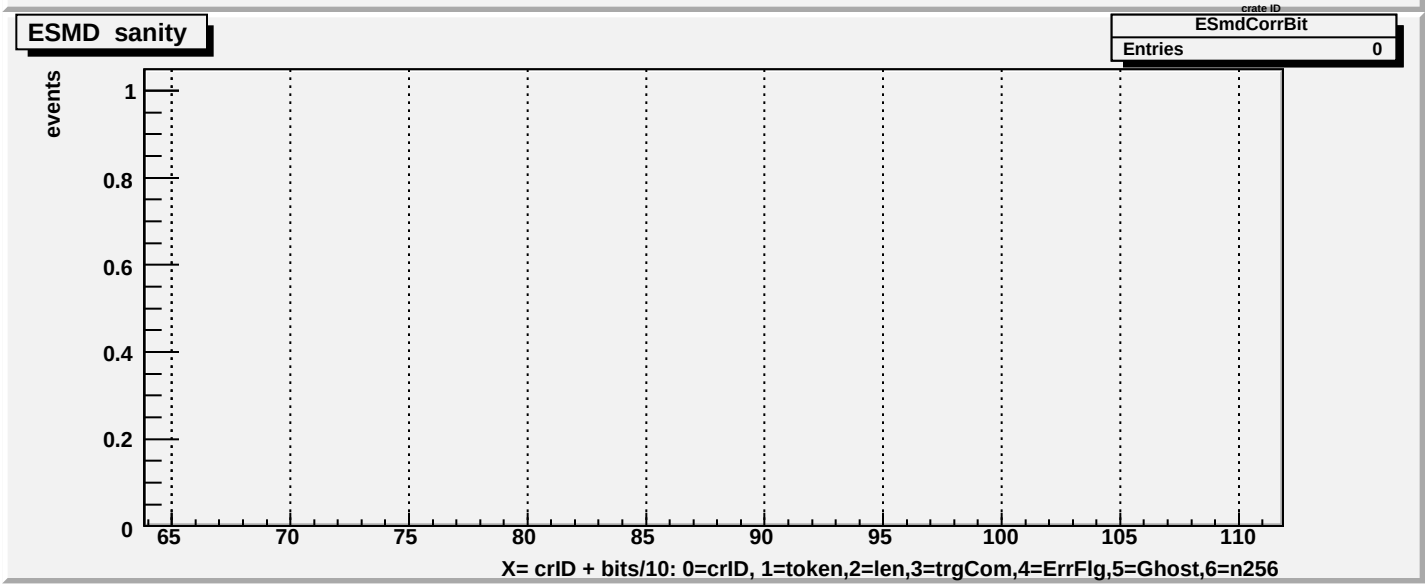

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

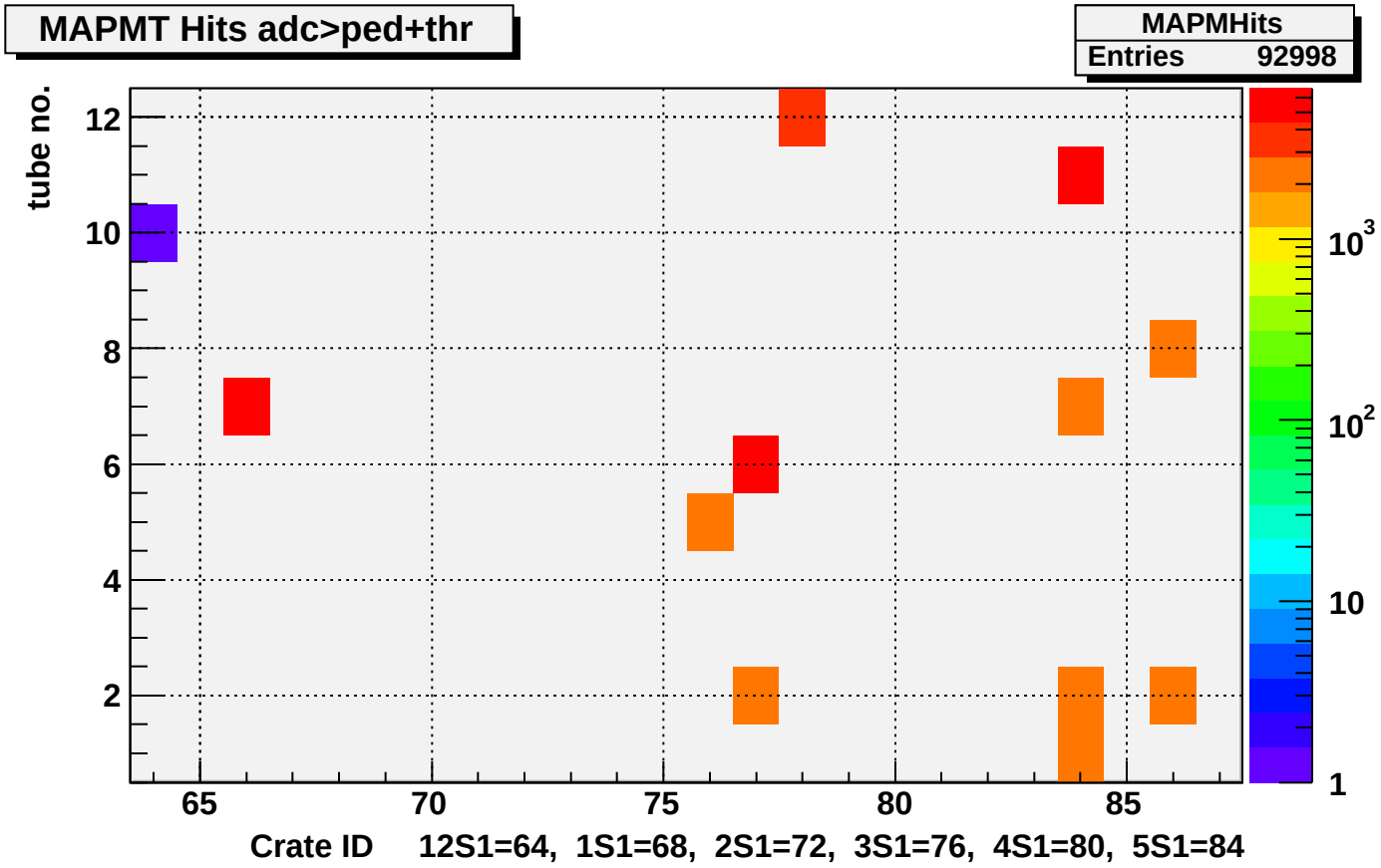

ESMD head corr
ESmdHeadCorr
Entries 2772
crates / eve

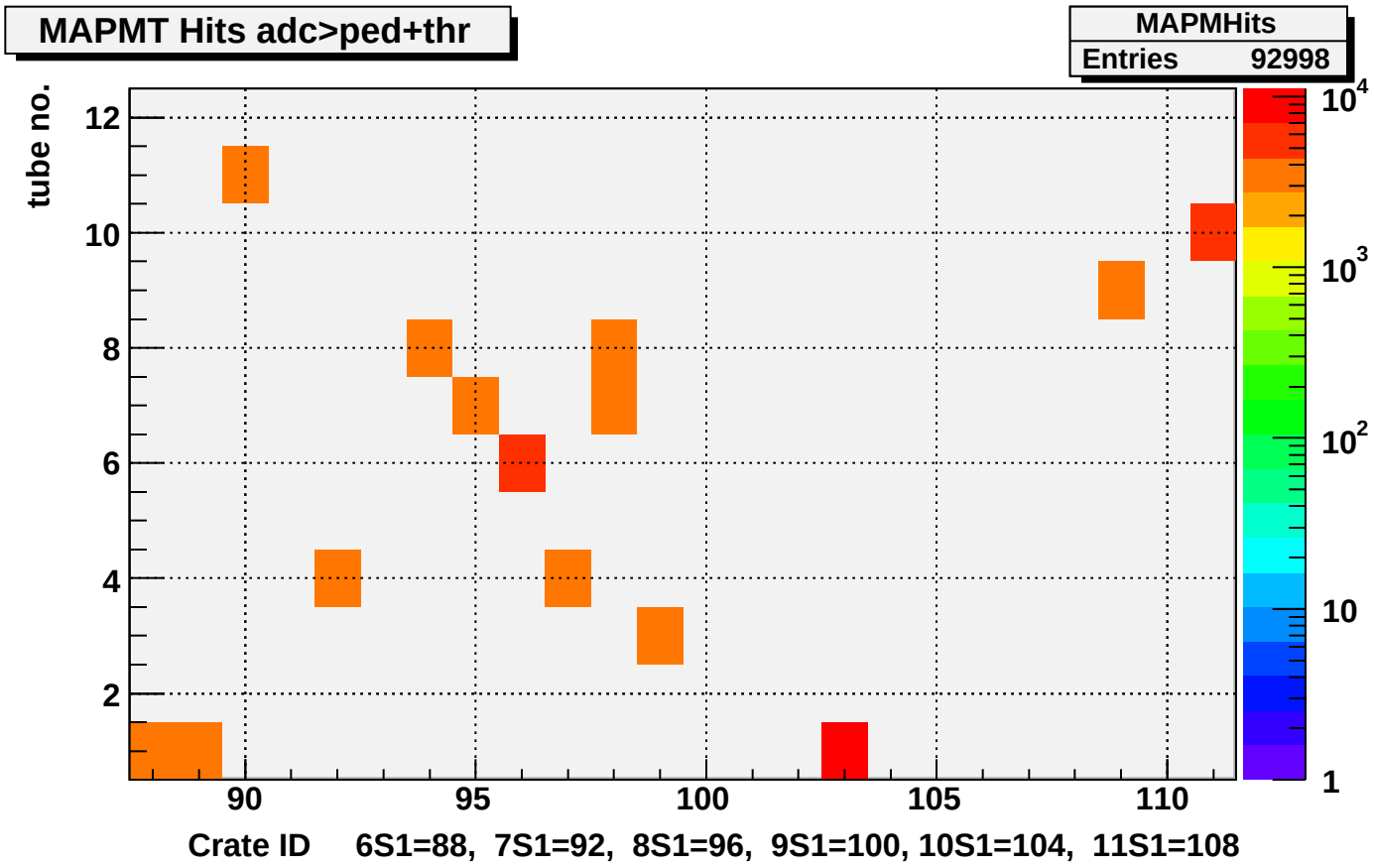

ESMD OFF
ESmdOFF
Entries 2772
crates / eve


ESMD n256/eve
ESmdN256
Entries 2772
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 92998
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84
10^3
10^2
10
1


MAPMT Hits adc>ped+thr
MAPMHits
Entries 92998
tube no.
12
10
8
6
4
2
90
95
100
105
110
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10
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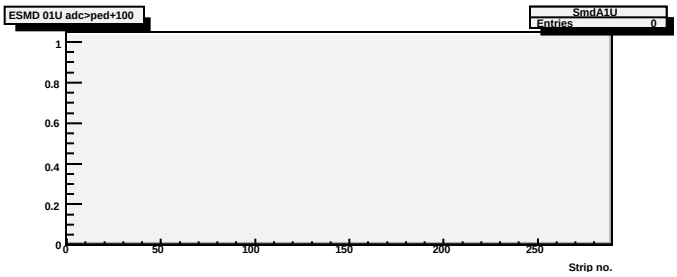
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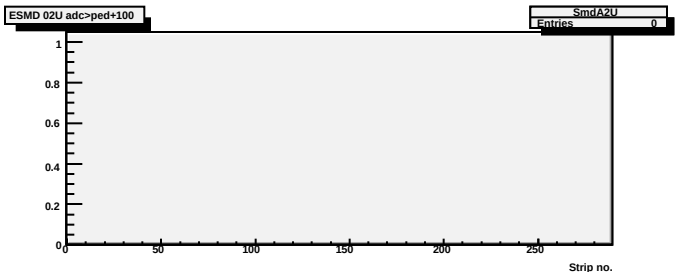
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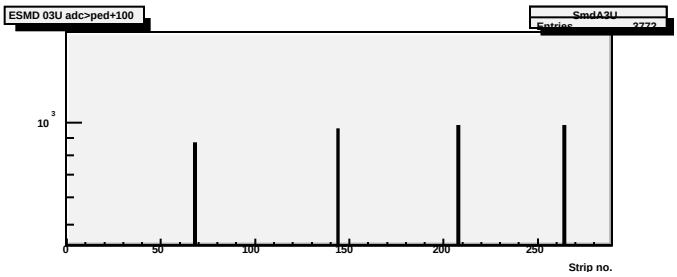
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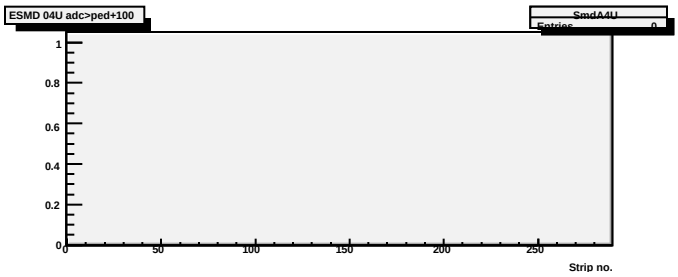
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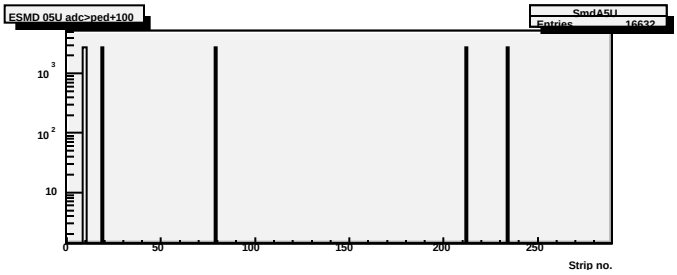
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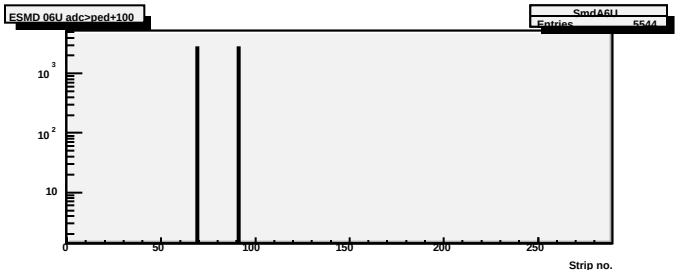
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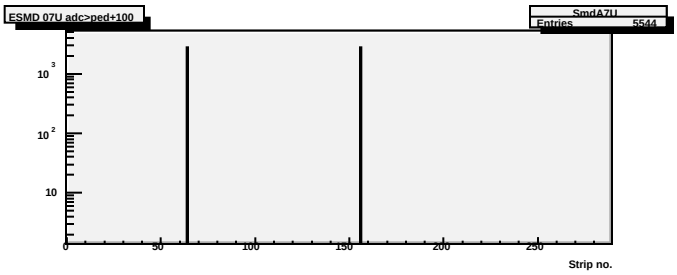
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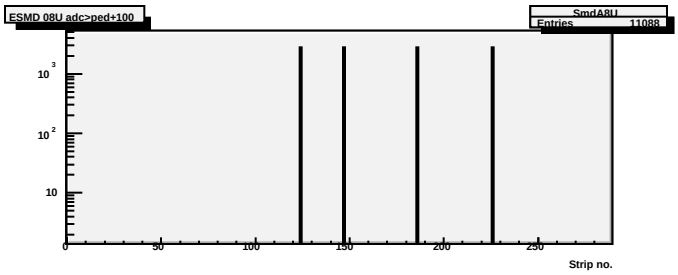
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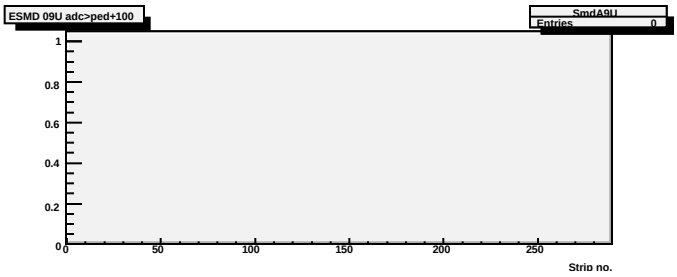
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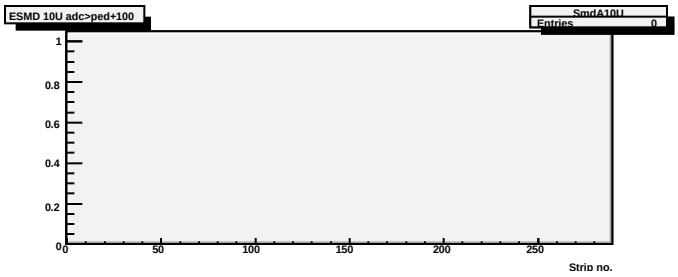
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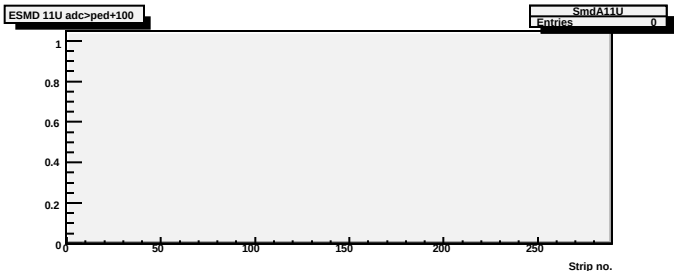
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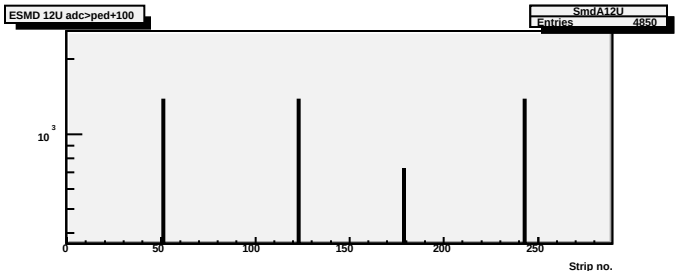
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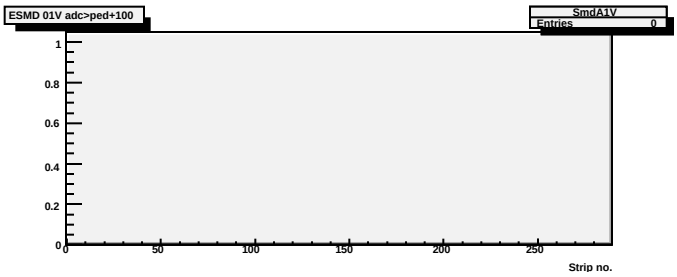
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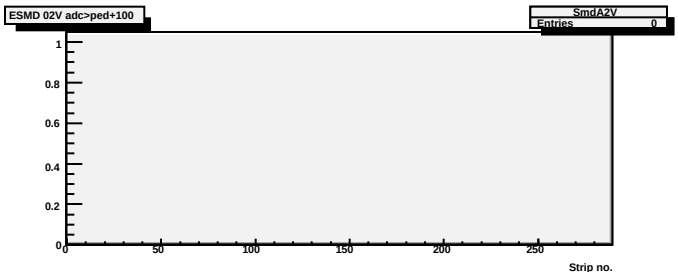
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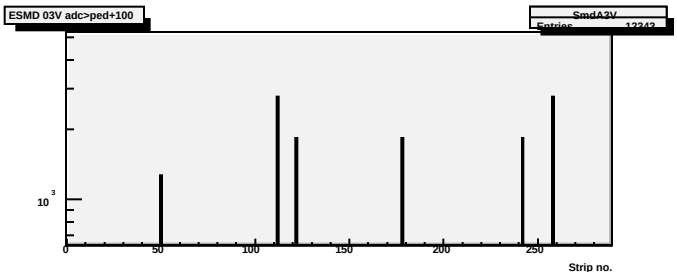
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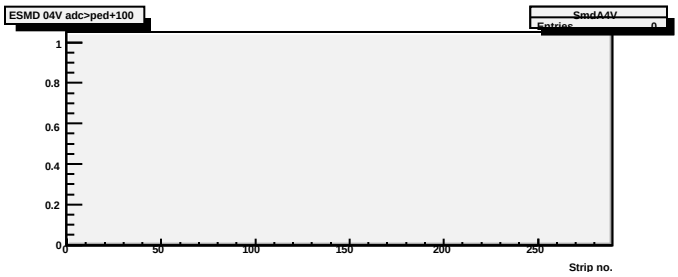
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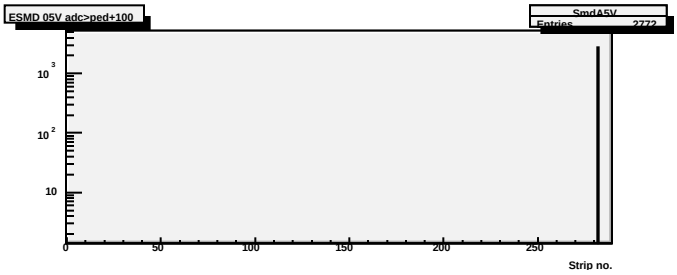
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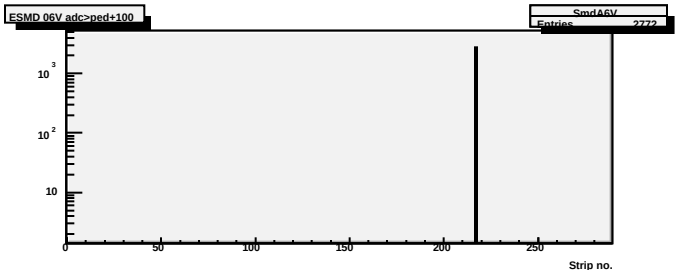
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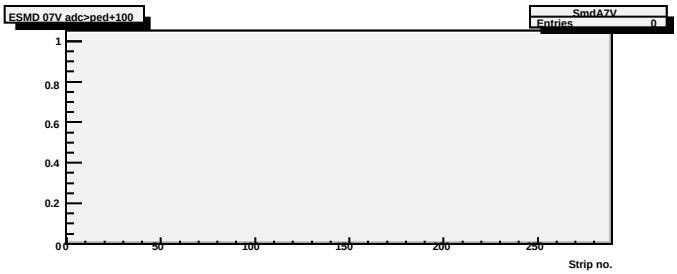
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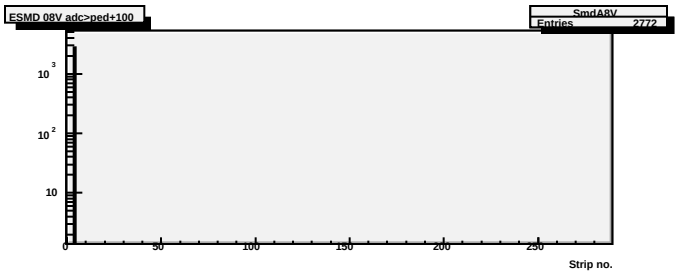
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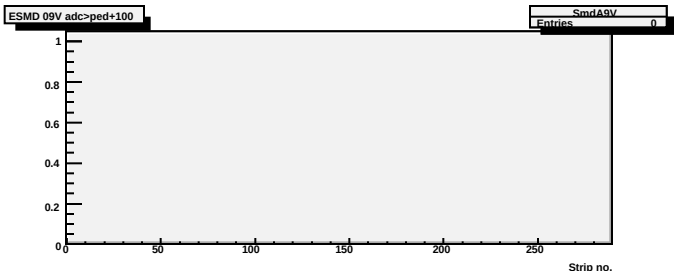
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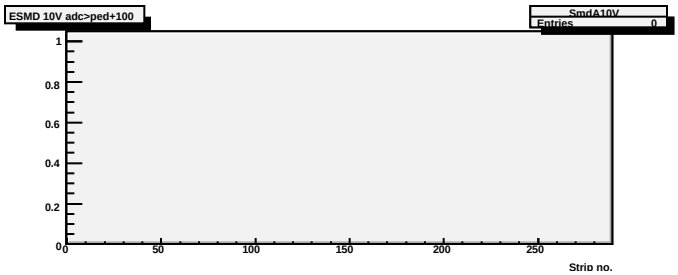
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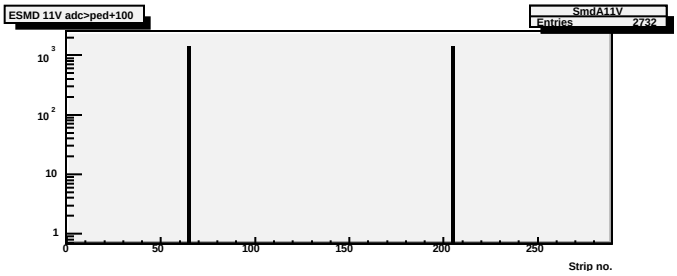
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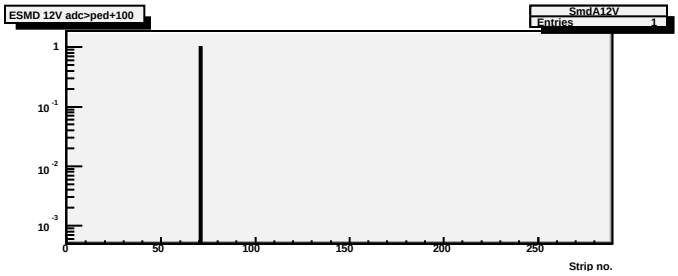
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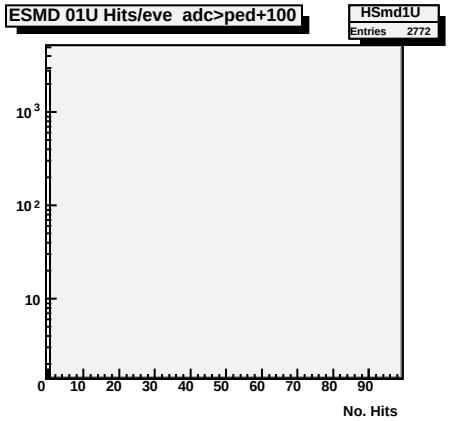
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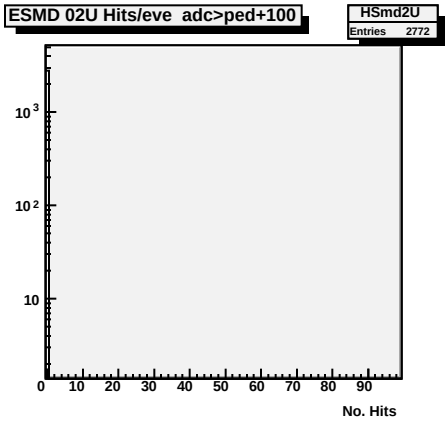
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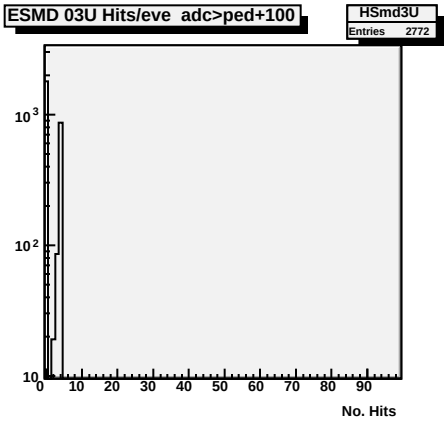
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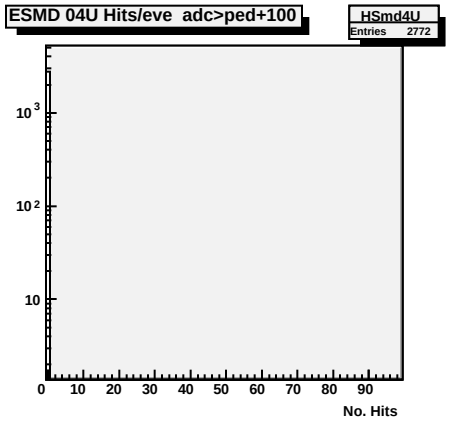
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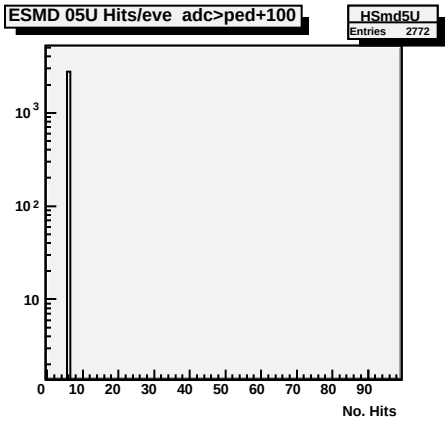
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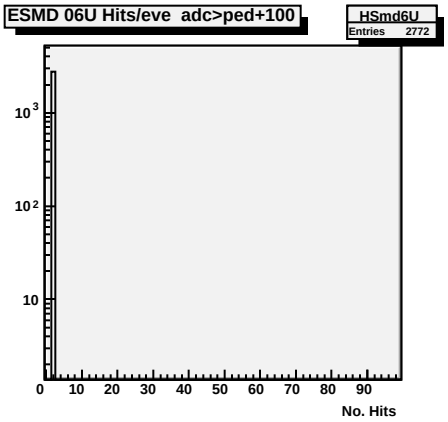
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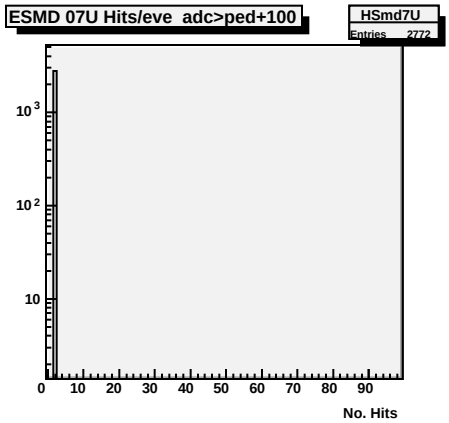
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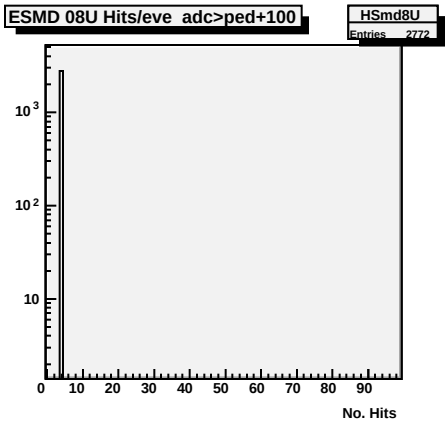
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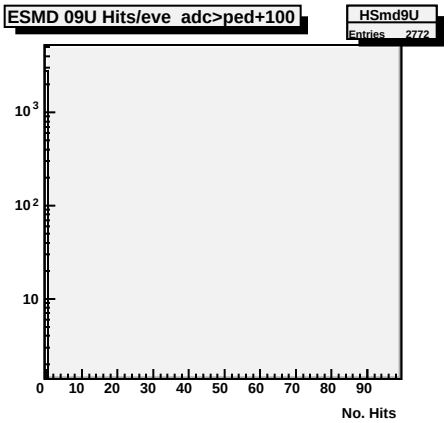
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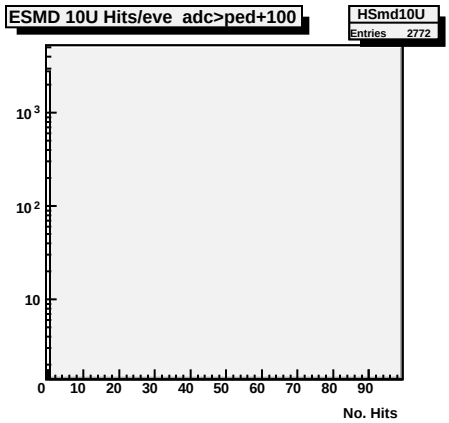
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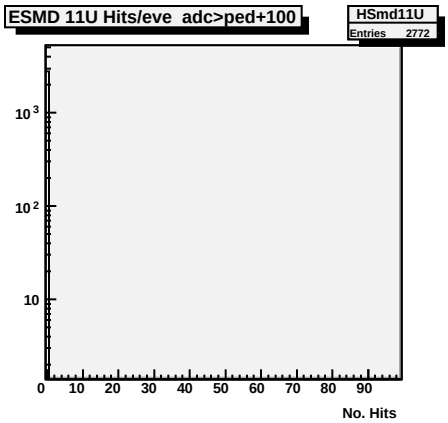
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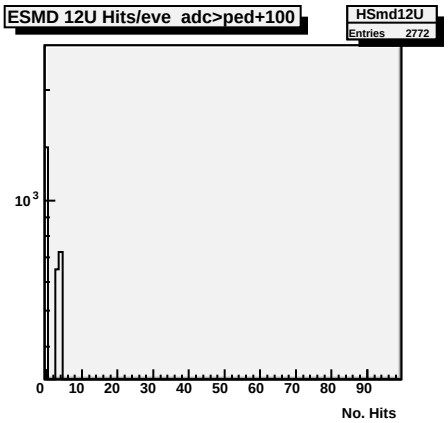
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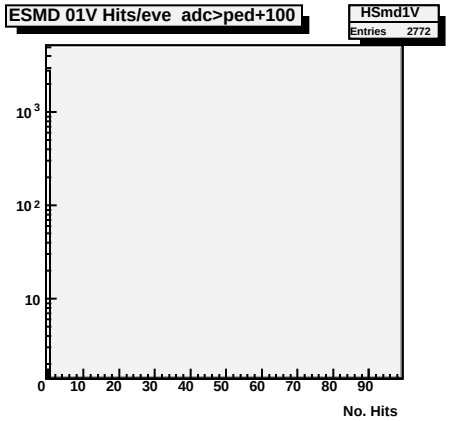
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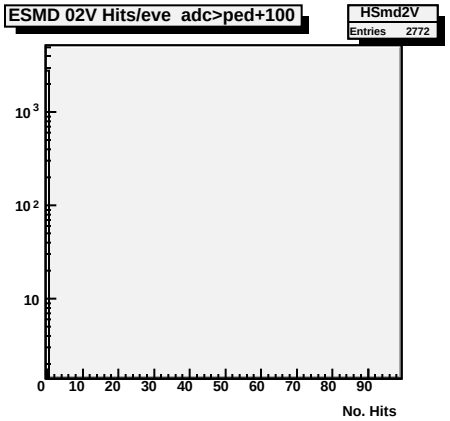
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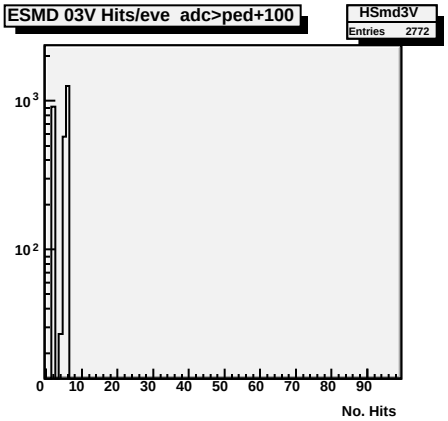
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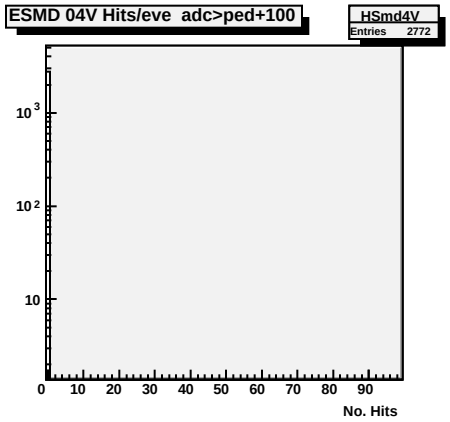
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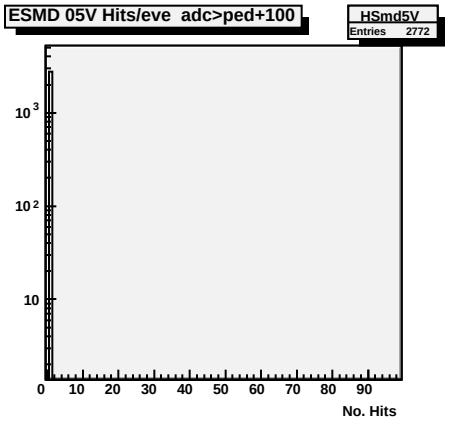
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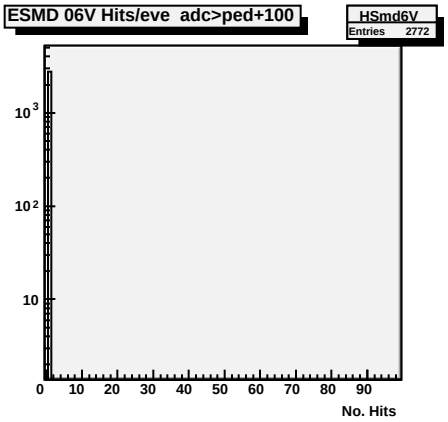
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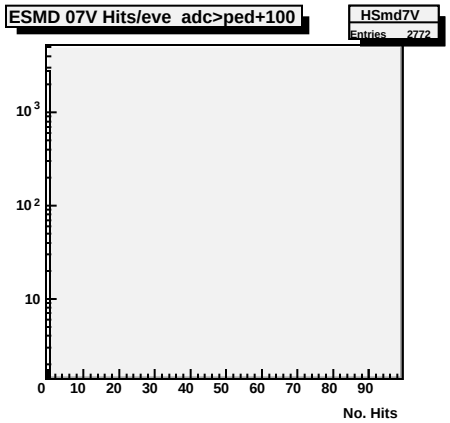
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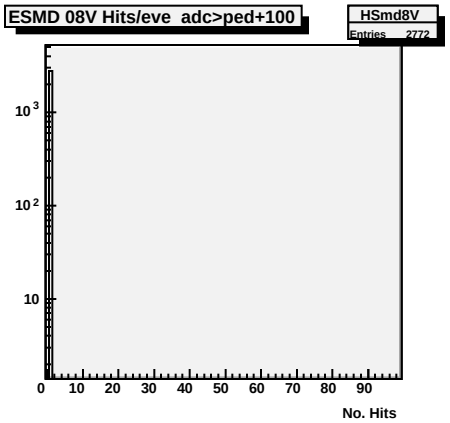
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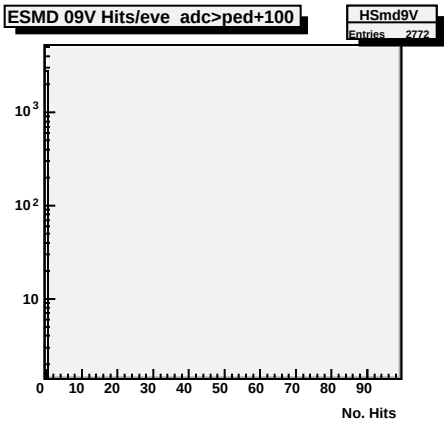
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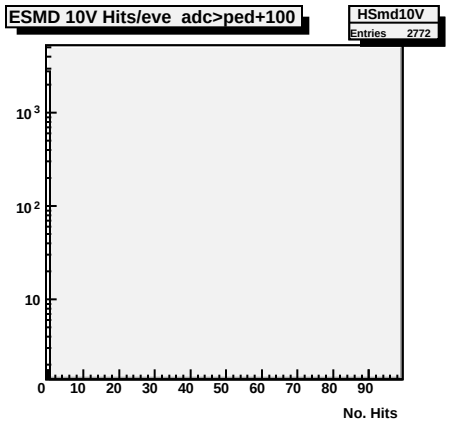
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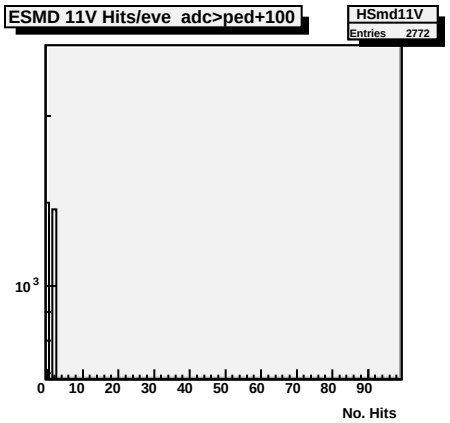
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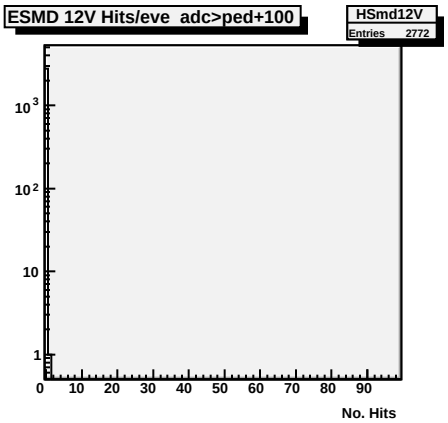
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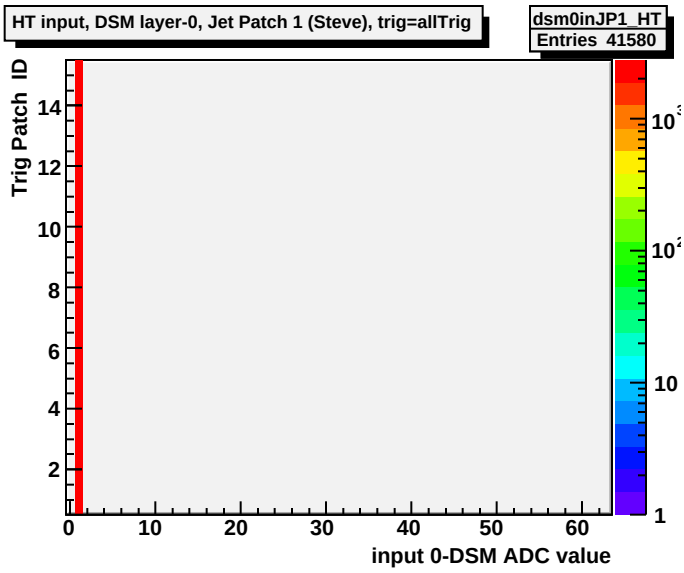
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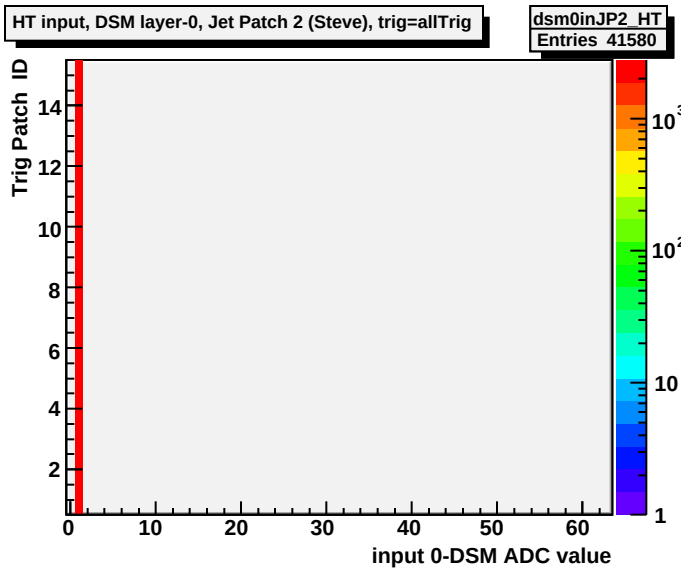
Entries 41580
Trig Patch ID
input 0-DSM ADC value


HT input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
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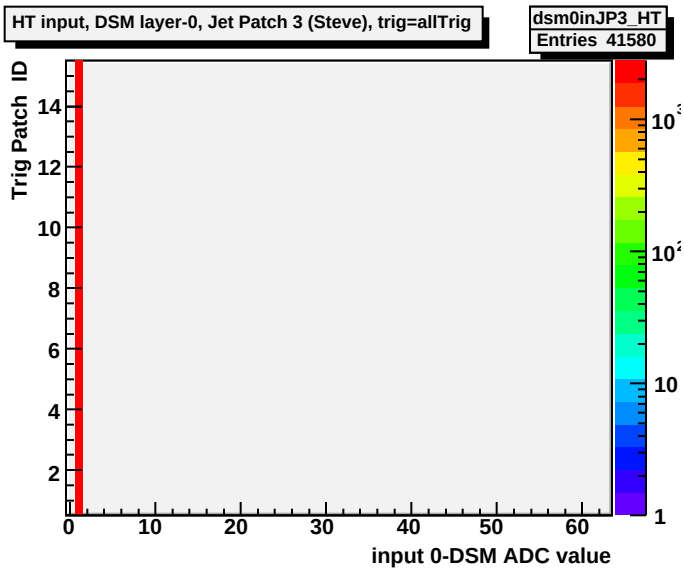
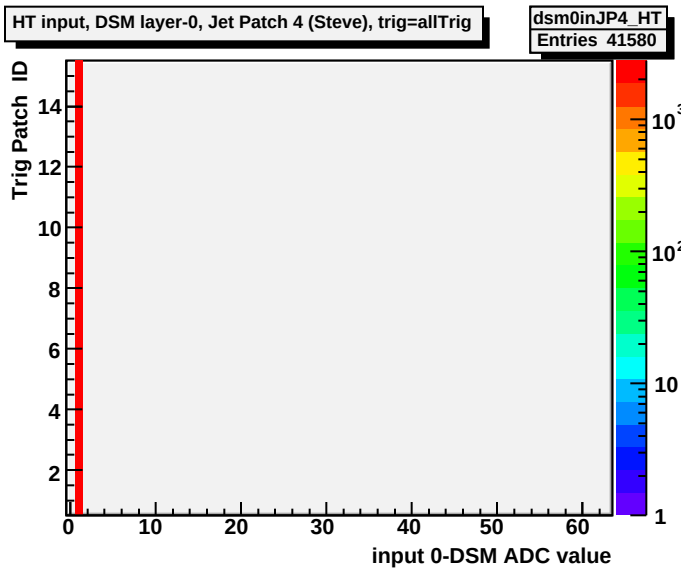
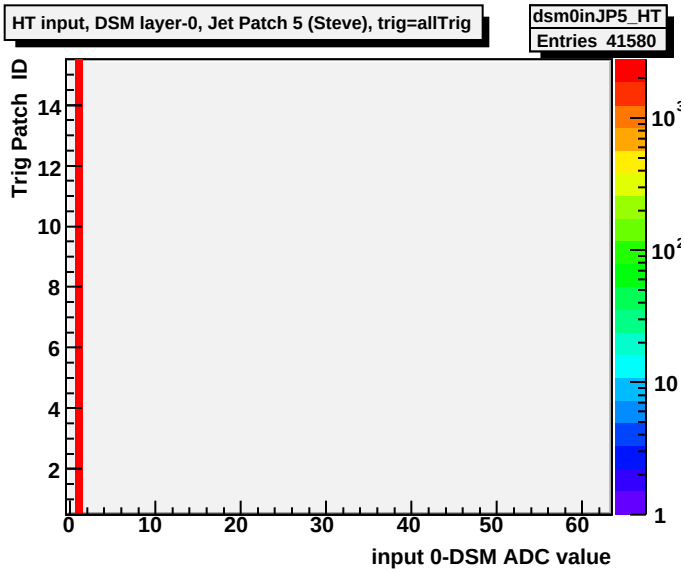
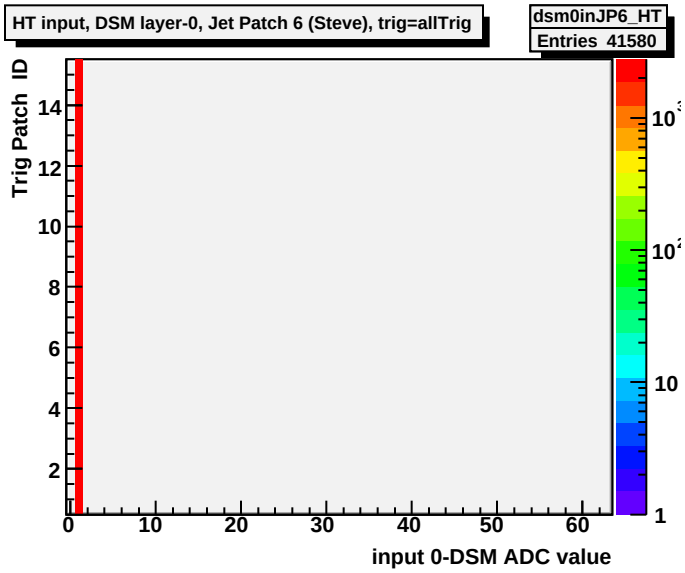
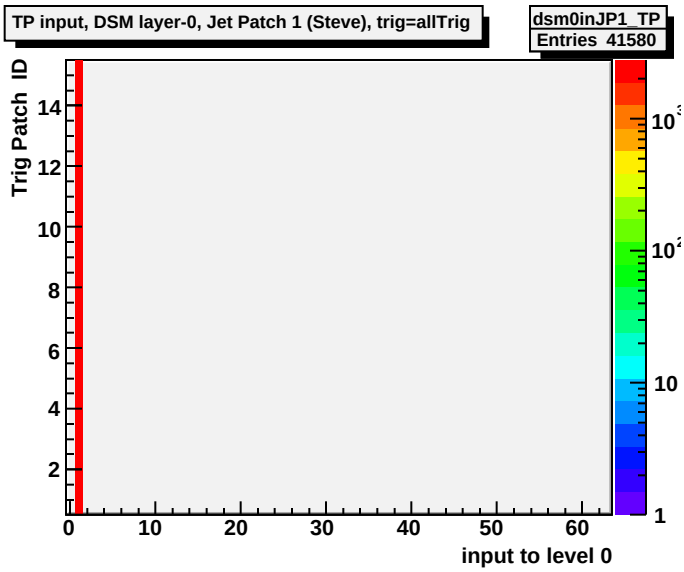
Entries 41580
Trig Patch ID
input 0-DSM ADC value

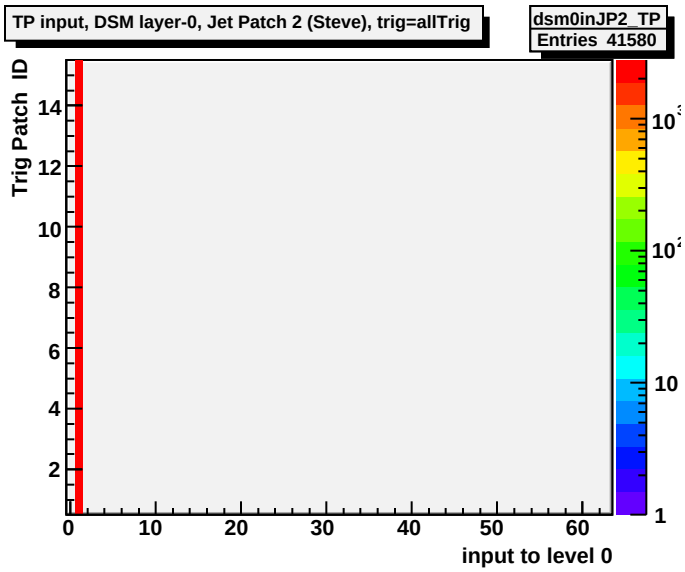

HT input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_HT
Entries 41580
Trig Patch ID
input 0-DSM ADC value

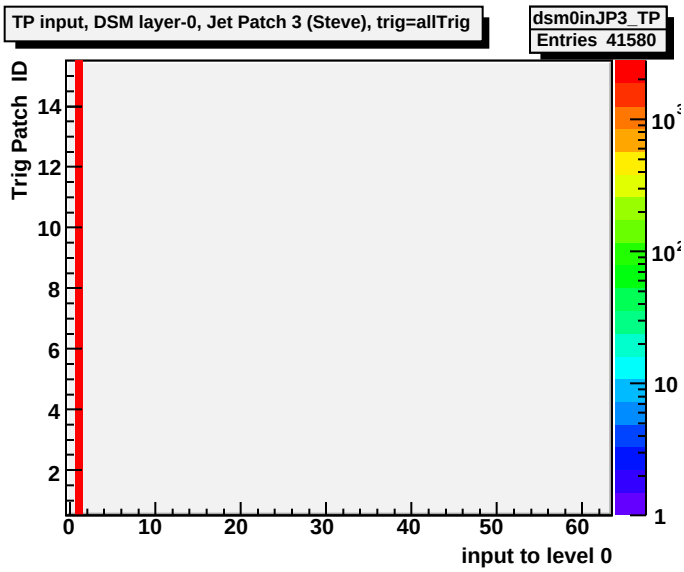

HT input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_HT
Entries 41580
Trig Patch ID
input 0-DSM ADC value

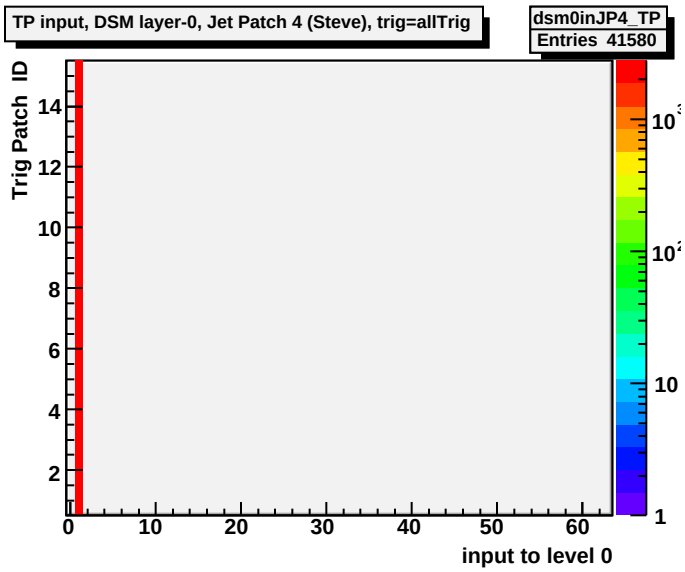

HT input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_HT
Entries 41580
Trig Patch ID
input 0-DSM ADC value

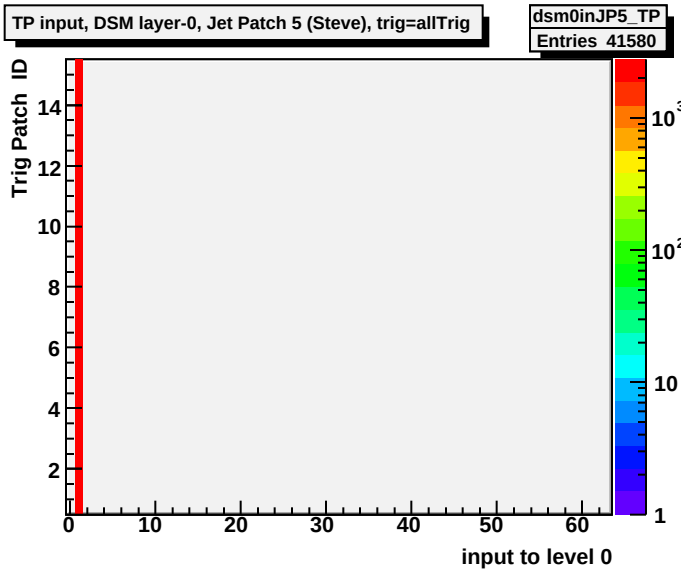

HT input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_HT
Entries 41580
Trig Patch ID
input 0-DSM ADC value

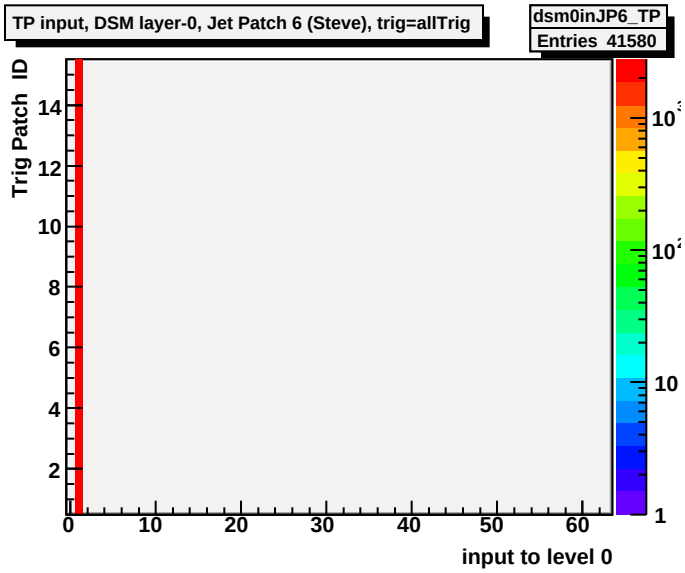

TP input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_TP
Entries 41580
Trig Patch ID
input to level 0

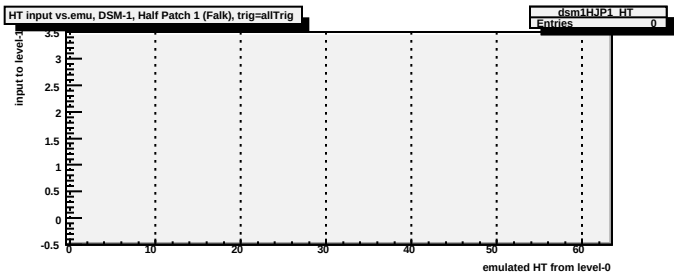

TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_TP
Entries 41580
Trig Patch ID
input to level 0

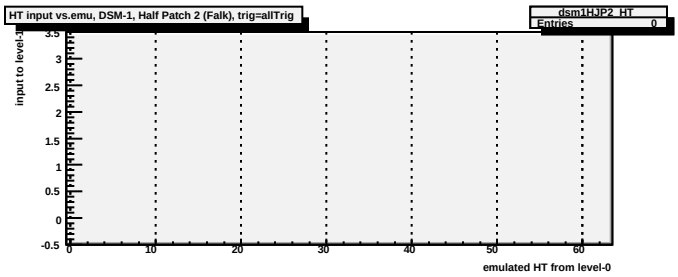

TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_TP
Entries 41580
Trig Patch ID
input to level 0

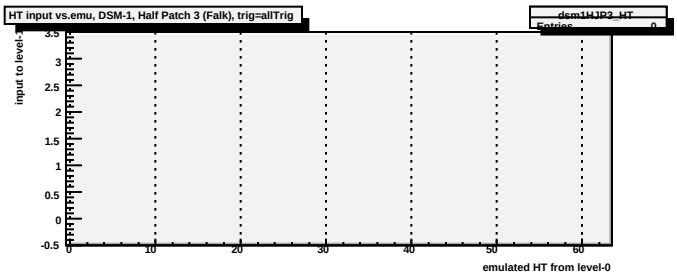

TP input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_TP
Entries 41580
Trig Patch ID
input to level 0

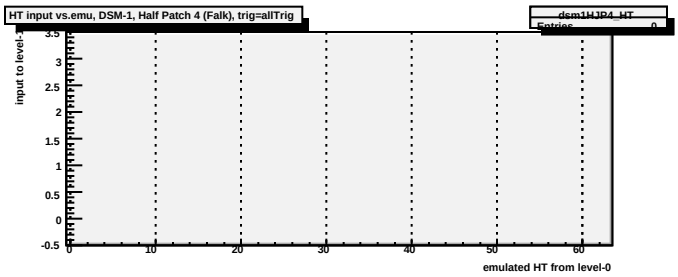

TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 41580
Trig Patch ID
input to level 0

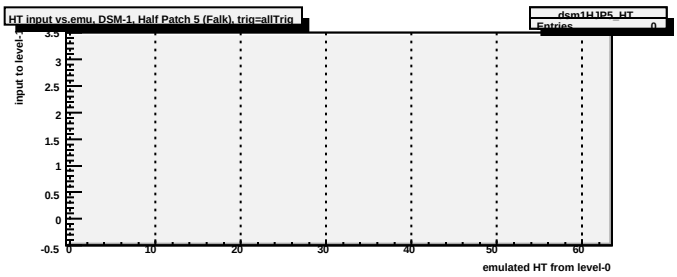

TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_TP
Entries 41580
Trig Patch ID
input to level 0

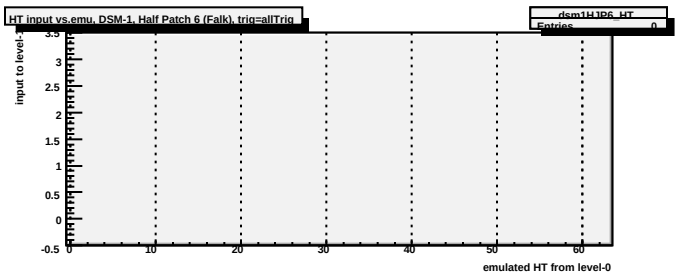

HT input vs.emu, DSM-1, Half Patch 1 (Falk), trig=allTrig
dsm1HJP1_HT
Entries 0
input to level-1
emulated HT from level-0

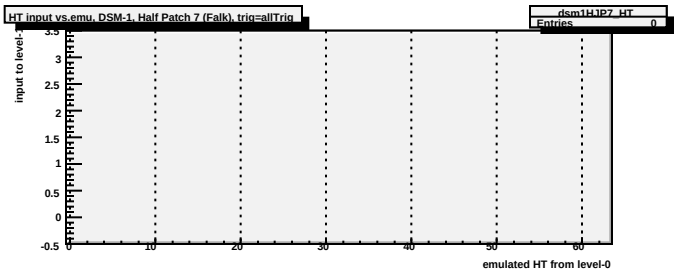

HT input vs.emu, DSM-1, Half Patch 2 (Falk), trig=allTrig
dsm1HJP2_HT
Entries 0
input to level-1
emulated HT from level-0

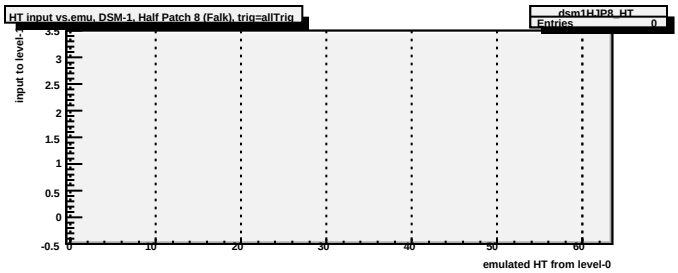

HT input vs.emu, DSM-1, Half Patch 3 (Falk), trig=allTrig
dsm1HJP3_HT
Entries 0
input to level-1
emulated HT from level-0

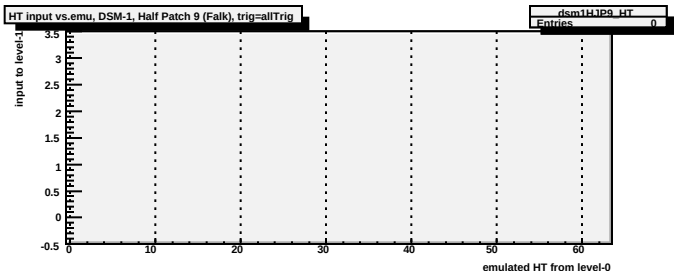

HT input vs.emu, DSM-1, Half Patch 4 (Falk), trig=allTrig
dsm1HJP4_HT
Entries 0
input to level-1
emulated HT from level-0

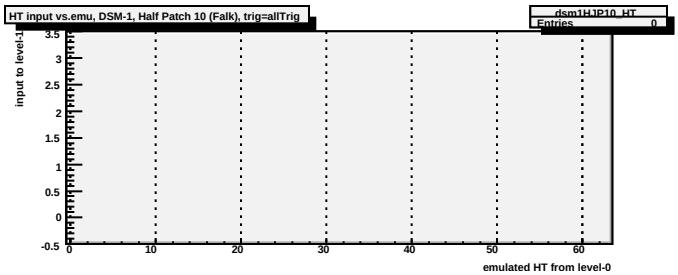

HT input vs.emu, DSM-1, Half Patch 5 (Falk), trig=allTrig
dsm1HJP5_HT
Entries 0
input to level-1
emulated HT from level-0

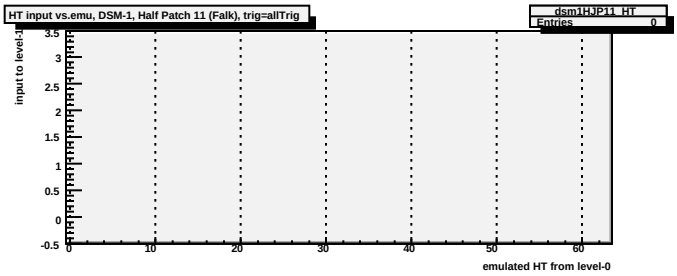

HT input vs.emu, DSM-1, Half Patch 6 (Falk), trig=allTrig
dsm1HJP6_HT
Entries 0
input to level-1
emulated HT from level-0

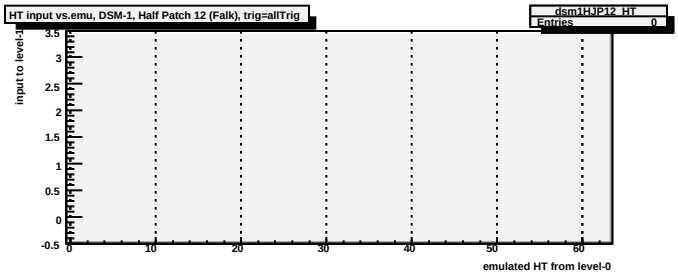

HT input vs.emu, DSM-1, Half Patch 7 (Falk), trig=allTrig
dsm1HJP7_HT
Entries 0
input to level-1
emulated HT from level-0

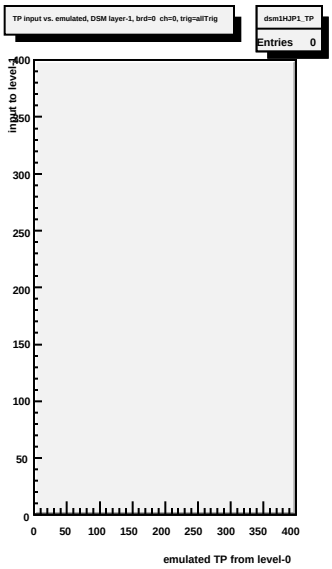

HT input vs.emu, DSM-1, Half Patch 8 (Falk), trig=allTrig
dsm1HJP8_HT
Entries 0
input to level-1
emulated HT from level-0

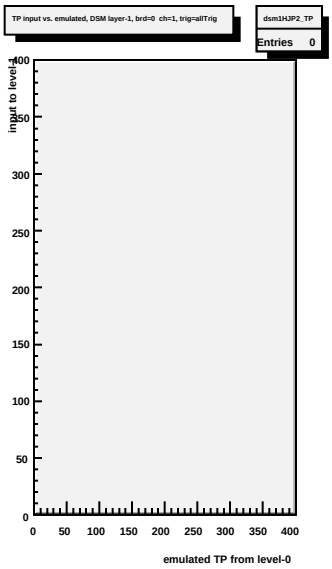

HT input vs.emu, DSM-1, Half Patch 9 (Falk), trig=allTrig
dsm1HJP9_HT
Entries 0
input to level-1
emulated HT from level-0

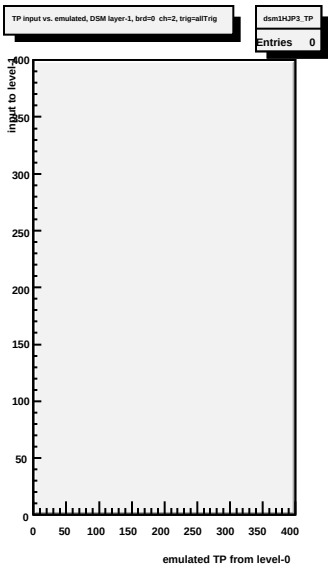

HT input vs.emu, DSM-1, Half Patch 10 (Falk), trig=allTrig
dsm1HJP10_HT
Entries 0
input to level-1
emulated HT from level-0

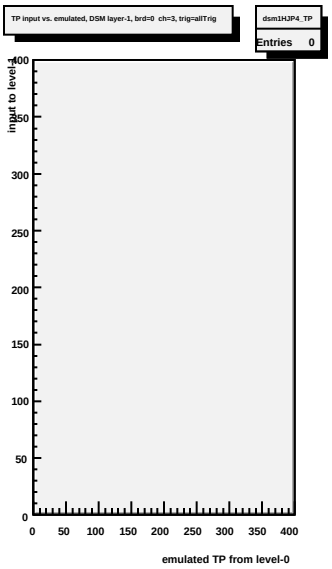

HT input vs.emu, DSM-1, Half Patch 11 (Falk), trig=allTrig
dsm1HJP11_HT
Entries 0
input to level-1
emulated HT from level-0

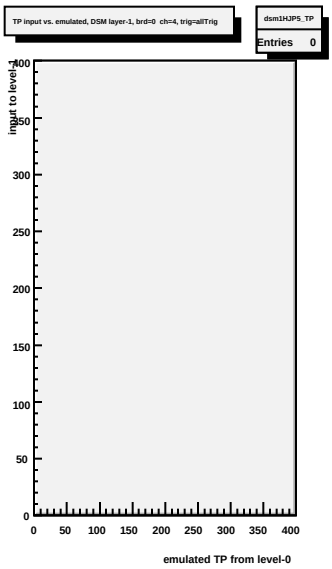

HT input vs.emu, DSM-1, Half Patch 12 (Falk), trig=allTrig
dsm1HJP12_HT
Entries 0
input to level-1
emulated HT from level-0

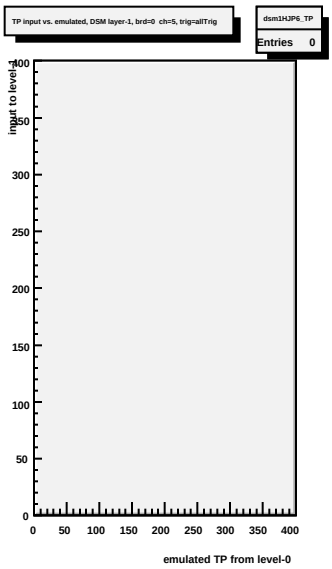

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
input to level-1
emulated TP from level-0

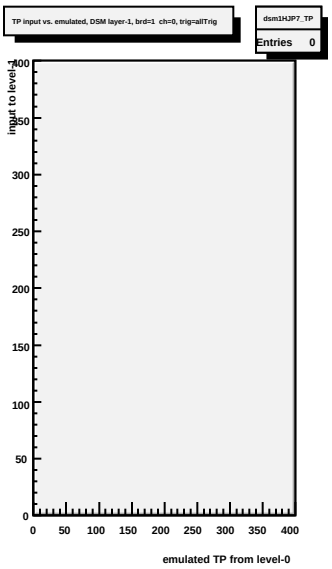

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

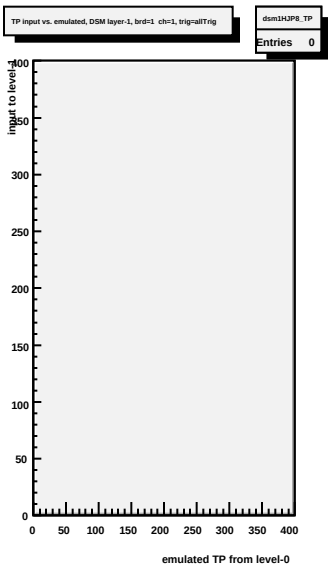

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

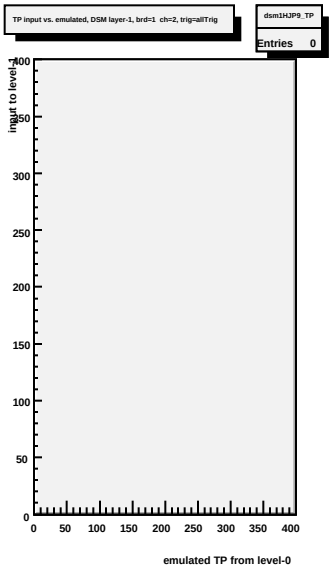

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

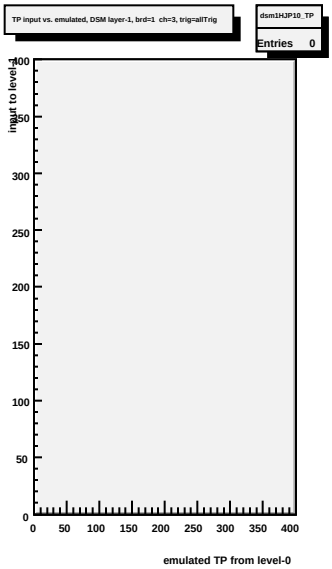

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

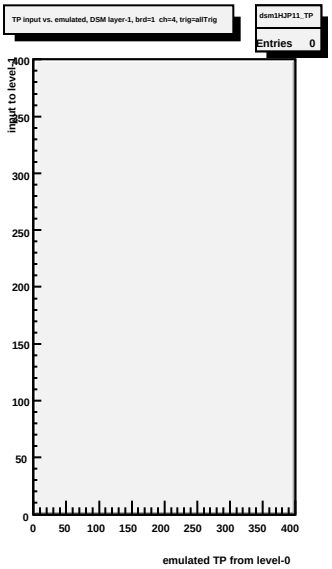

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

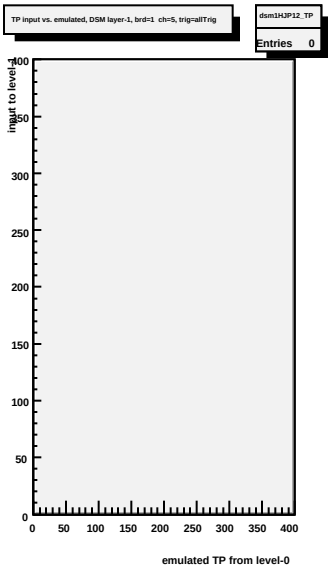

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

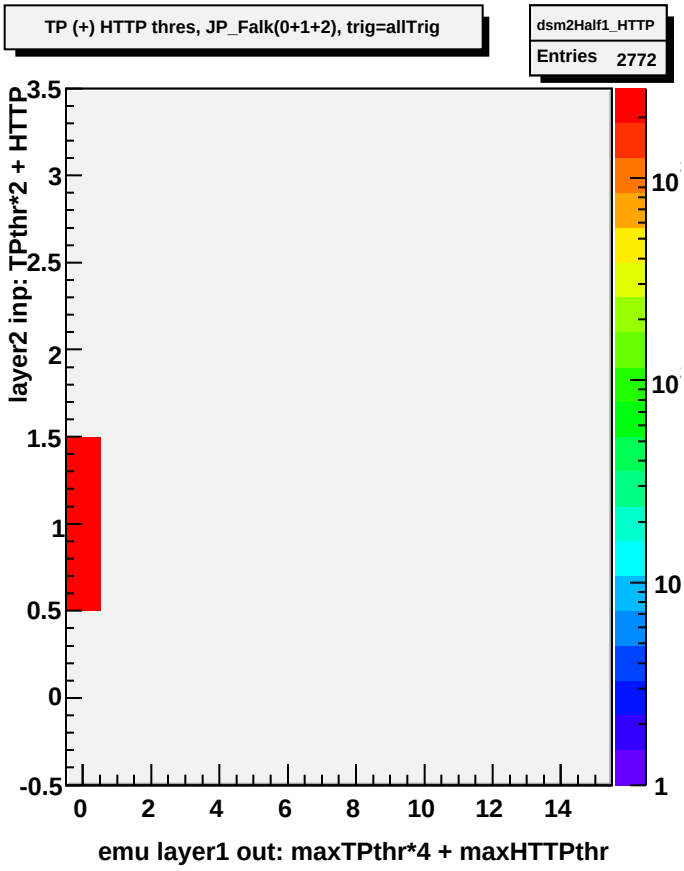

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

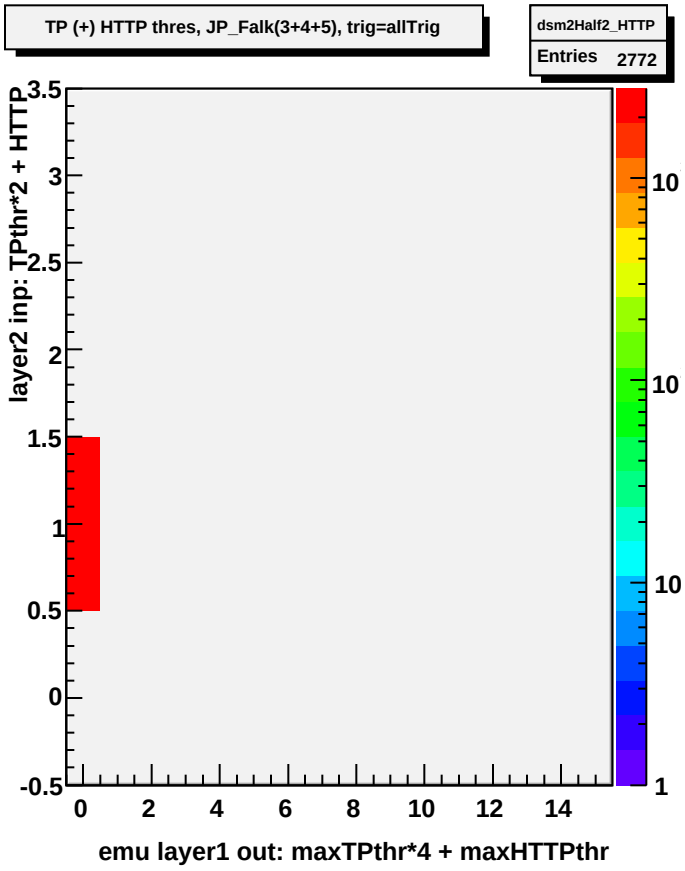

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

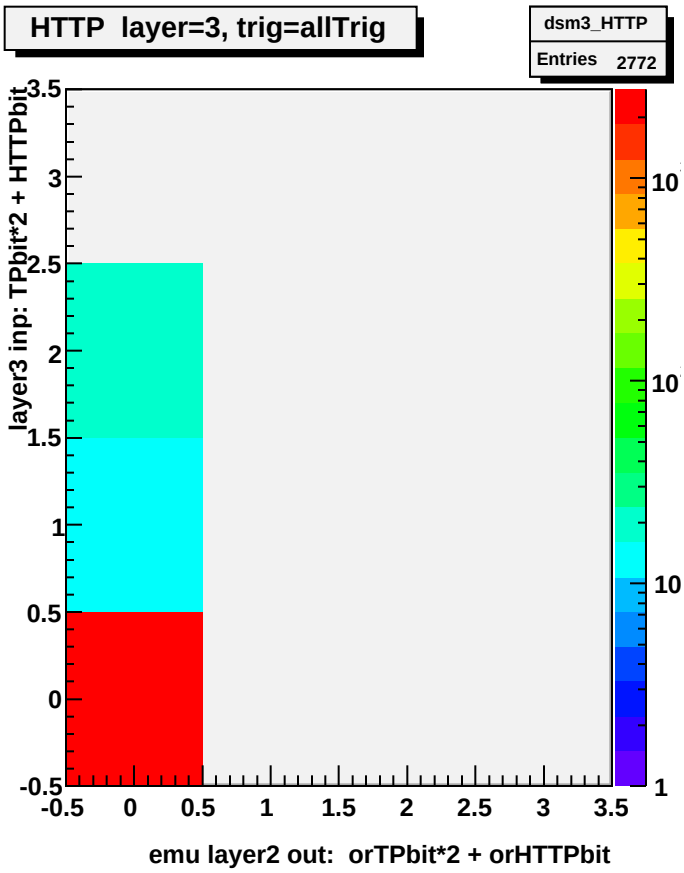

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

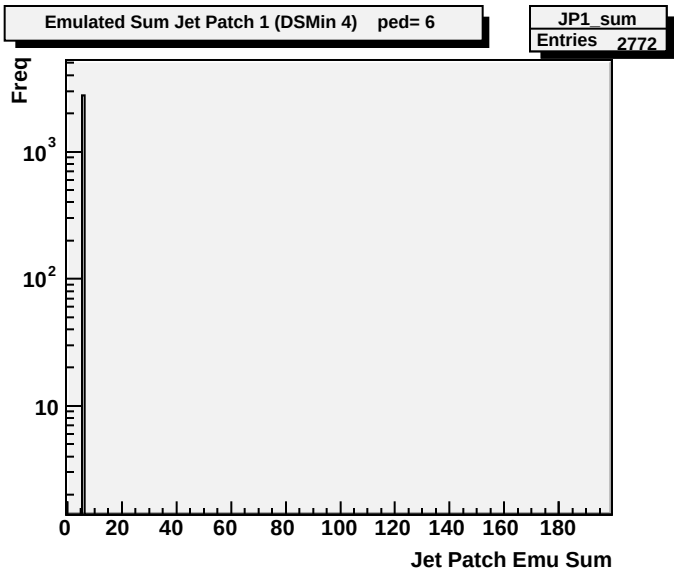

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

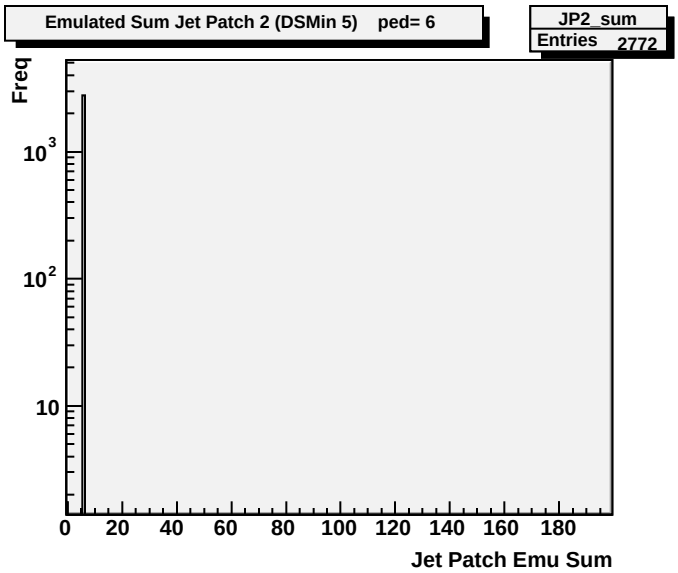

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

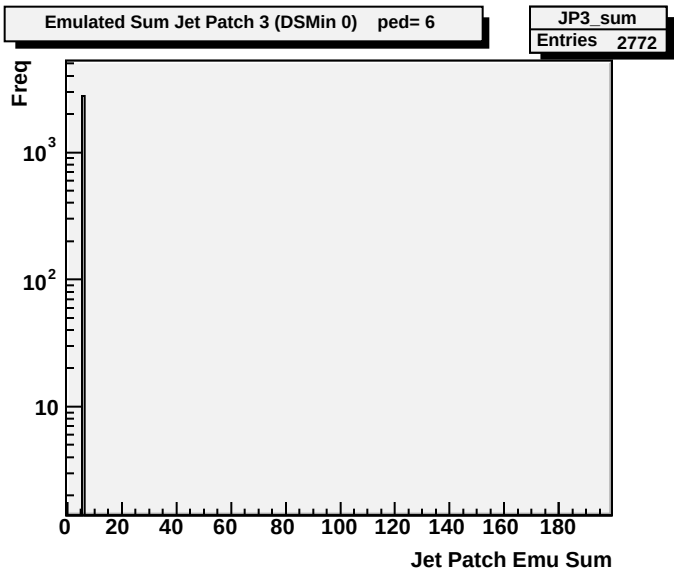

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 2772
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

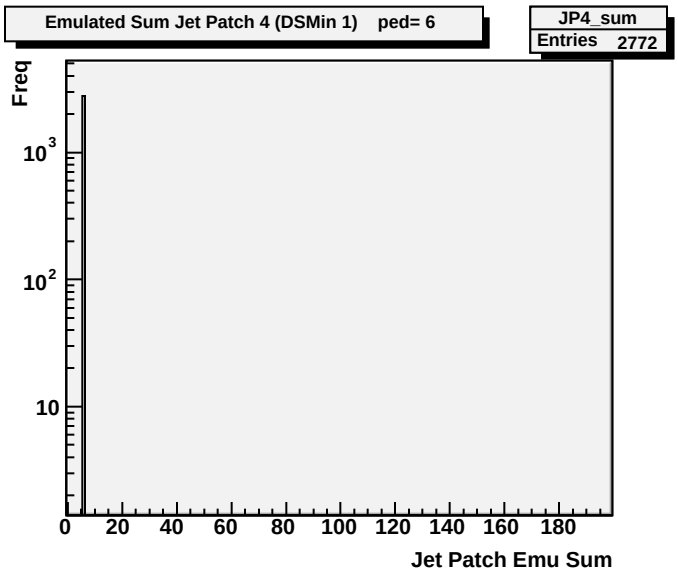

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 2772
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

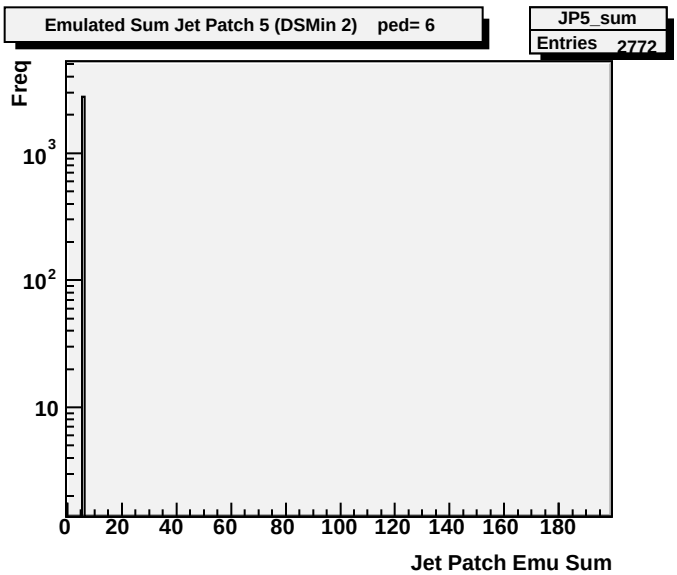

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 2772
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

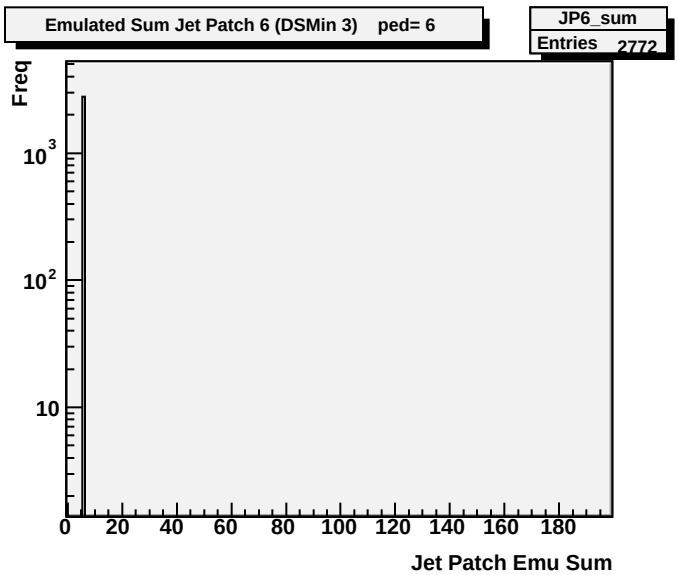

Emulated Sum Jet Patch 1 (DSMin 4) ped= 6
JP1_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

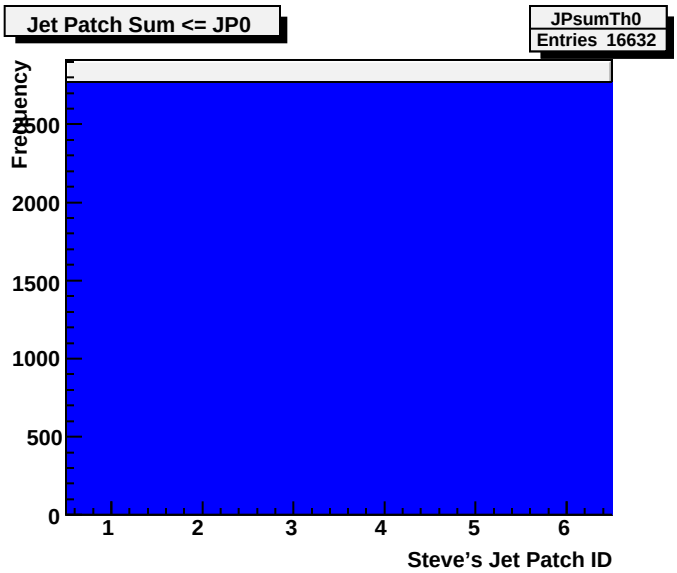

Emulated Sum Jet Patch 2 (DSMin 5) ped= 6
JP2_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

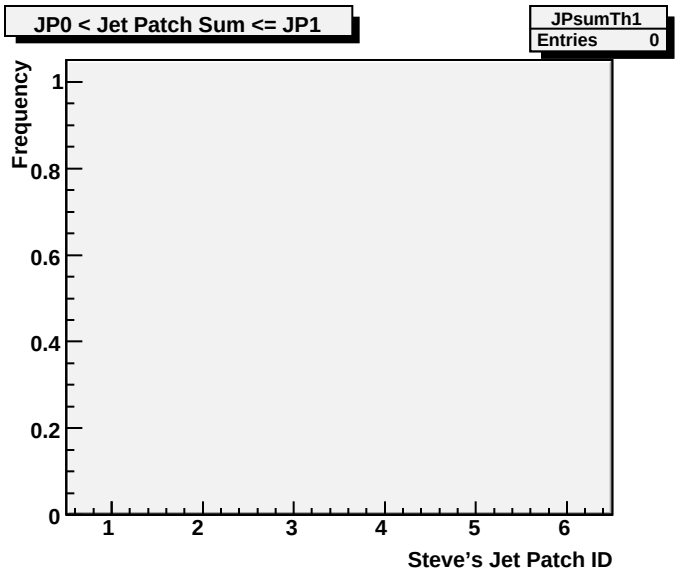

Emulated Sum Jet Patch 3 (DSMin 0) ped= 6
JP3_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

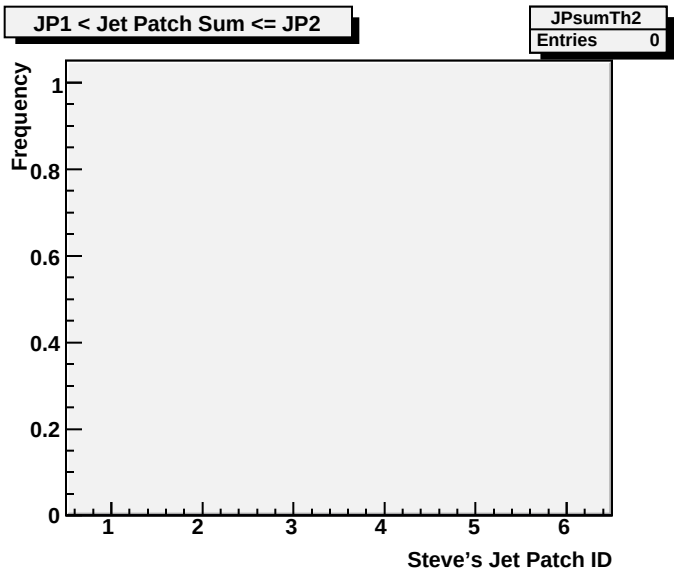

Emulated Sum Jet Patch 4 (DSMin 1) ped= 6
JP4_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

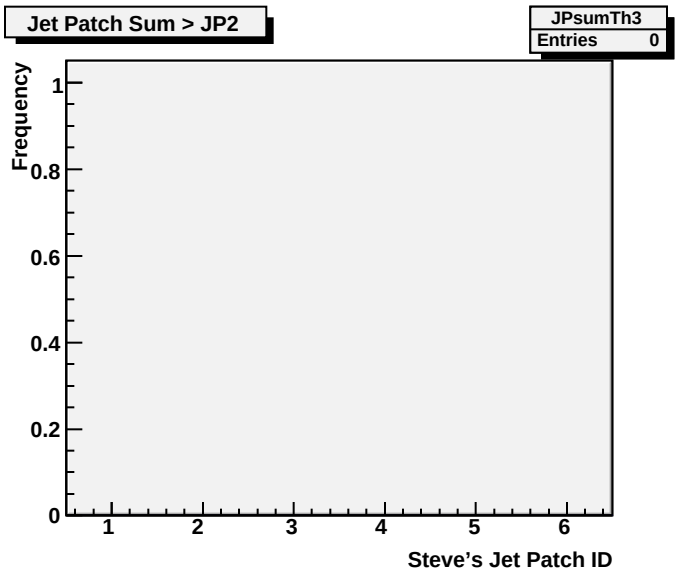

Emulated Sum Jet Patch 5 (DSMin 2) ped= 6
JP5_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

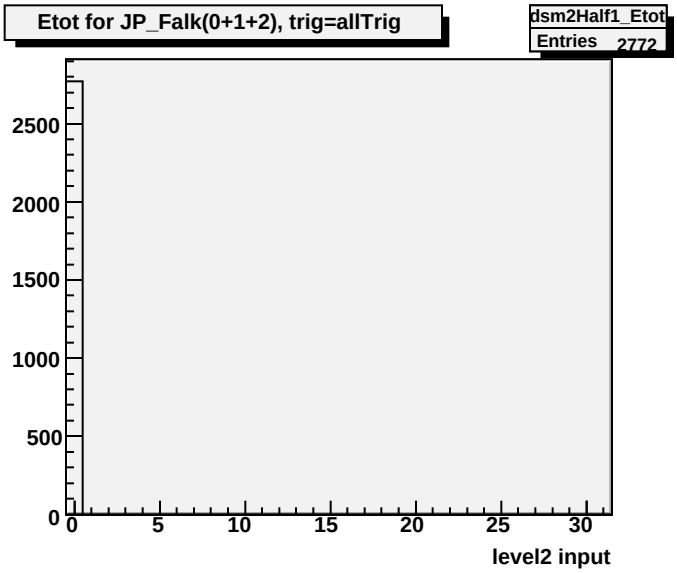

Emulated Sum Jet Patch 6 (DSMin 3) ped= 6
JP6_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

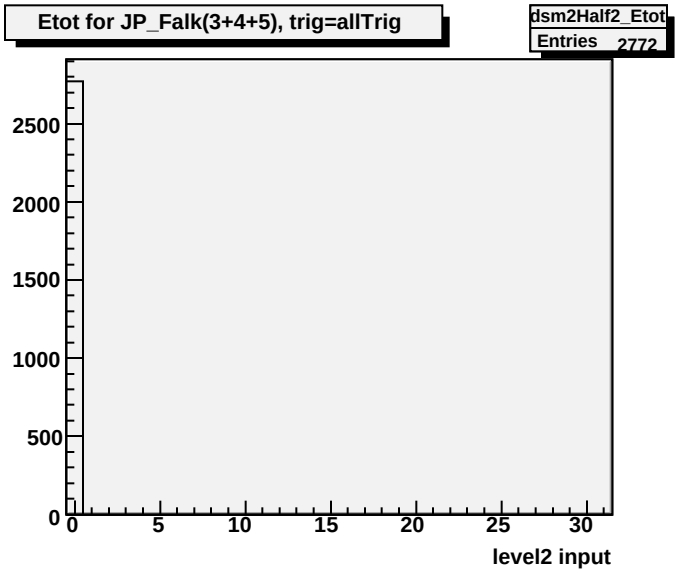

Jet Patch Sum <= JP0
JPsumTh0
Entries 16632
Frequency
Steve's Jet Patch ID

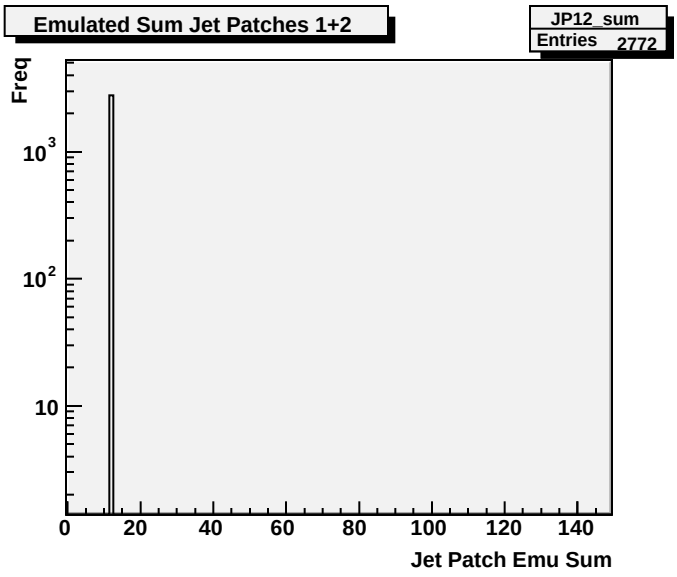

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 0
Frequency
Steve's Jet Patch ID

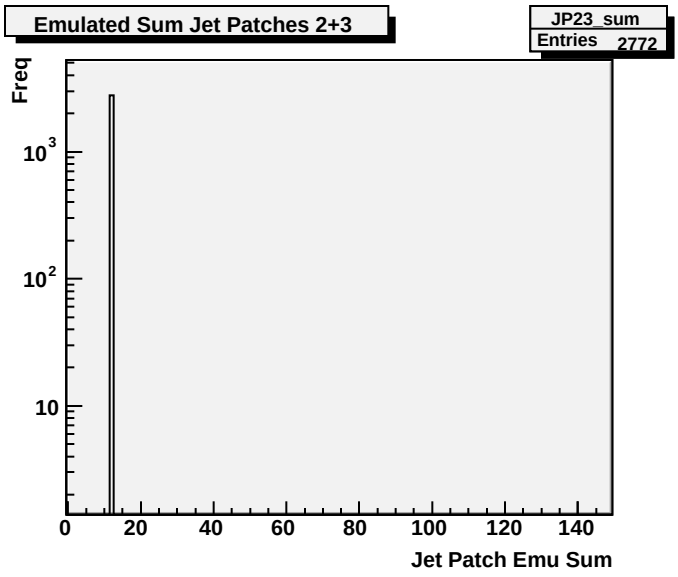

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

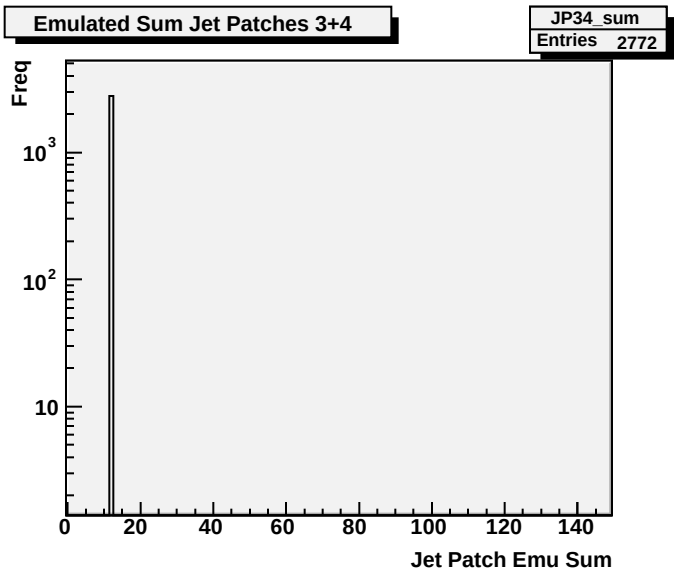

Jet Patch Sum > JP2
JPsumTh3
Entries 0
Frequency
Steve's Jet Patch ID

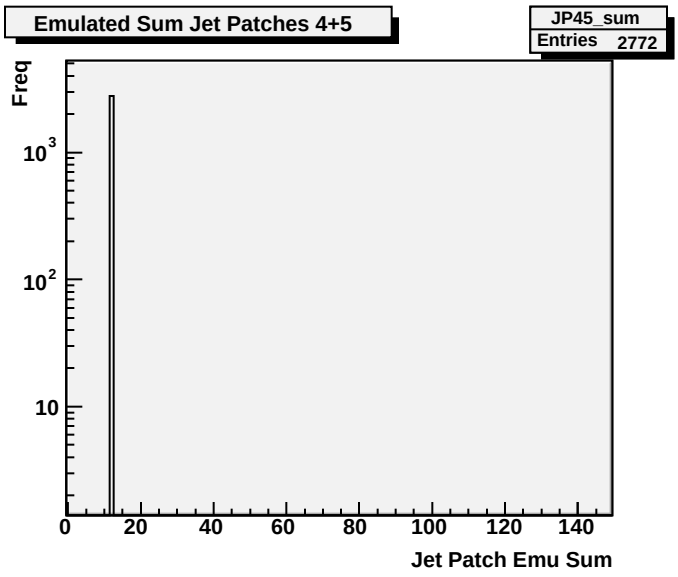

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 2772
level2 input

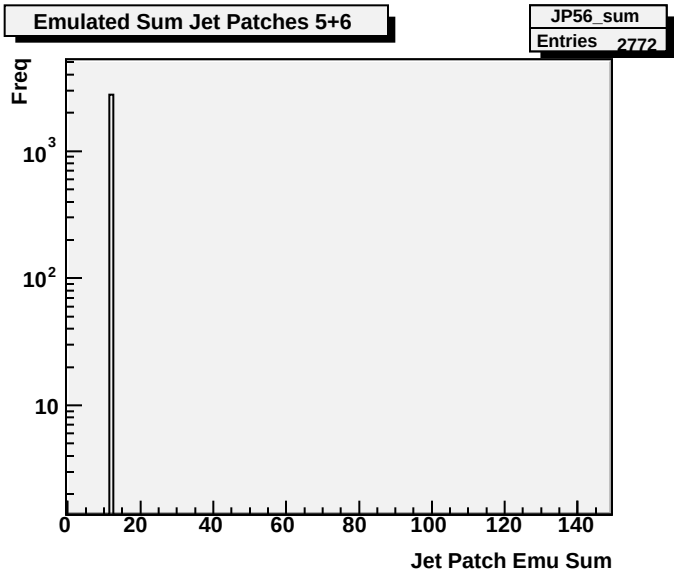

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 2772
level2 input

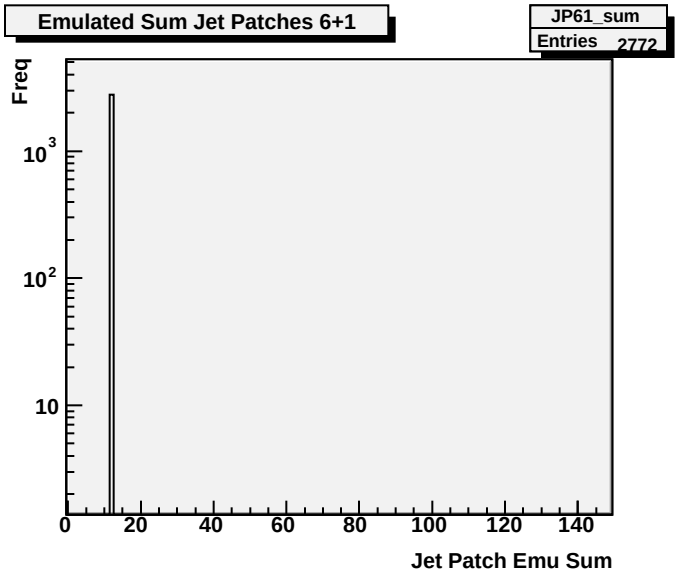

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

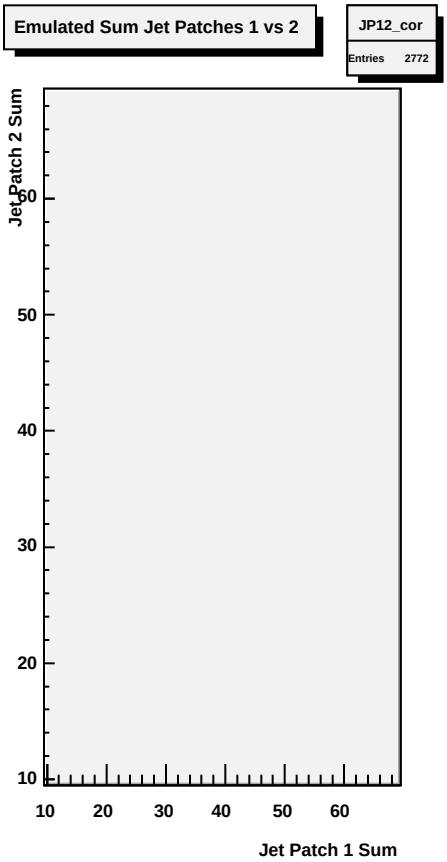

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

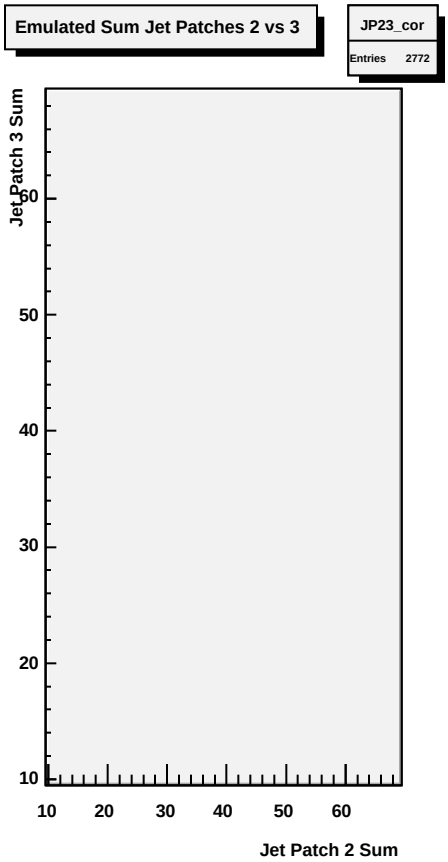

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

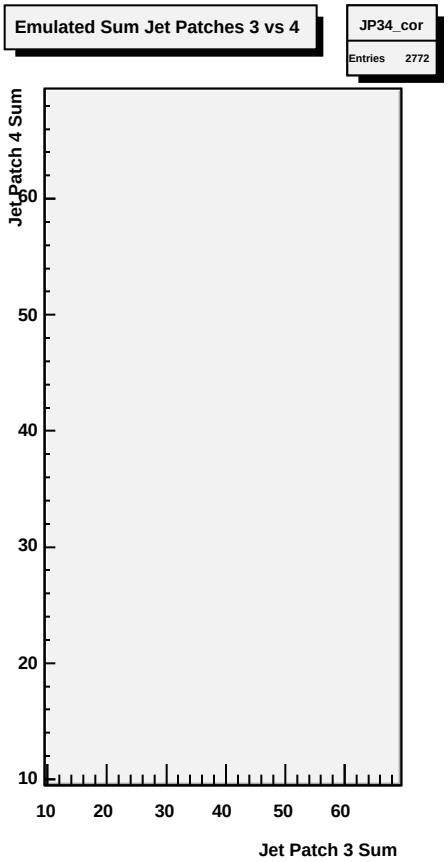

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

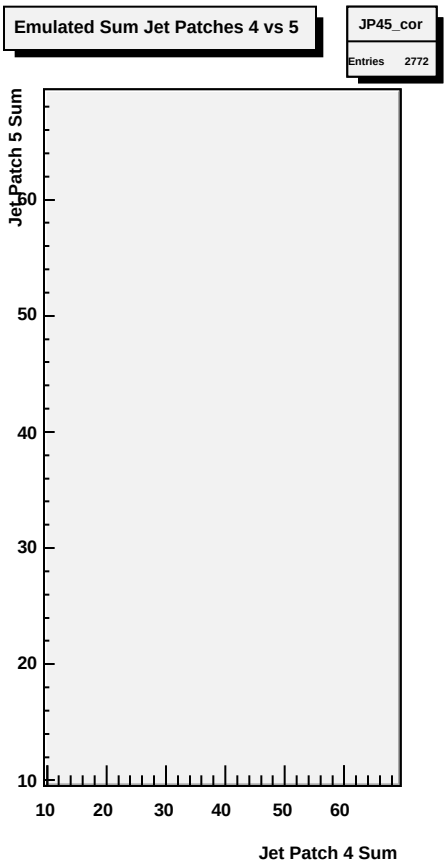

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

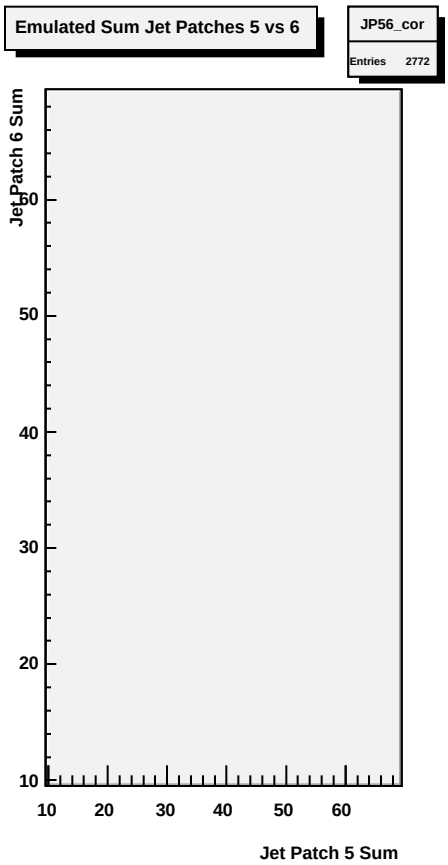

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 2772
Freq
10^3
10^2
10
0 20 40 60 80 100 120 140
Jet Patch Emu Sum

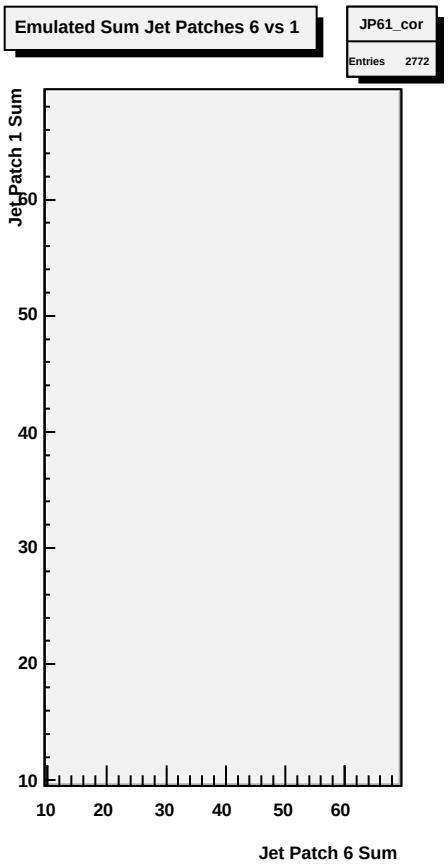

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 2772
Jet Patch 2 Sum
Jet Patch 1 Sum

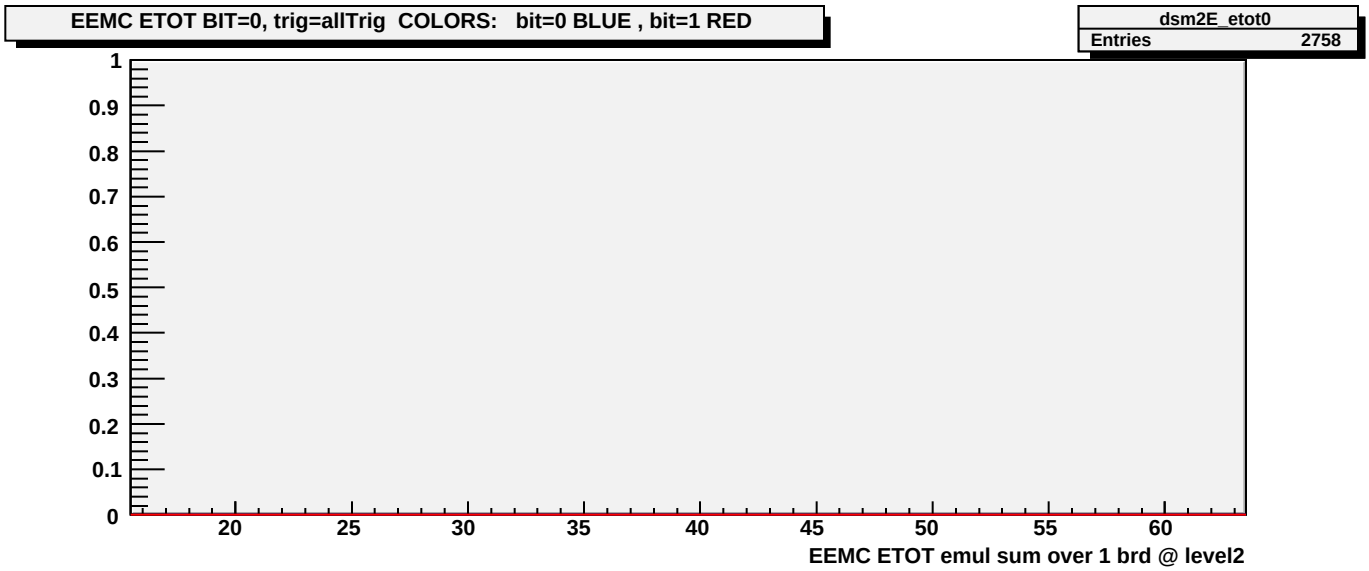

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 2772
Jet Patch 3 Sum
Jet Patch 2 Sum

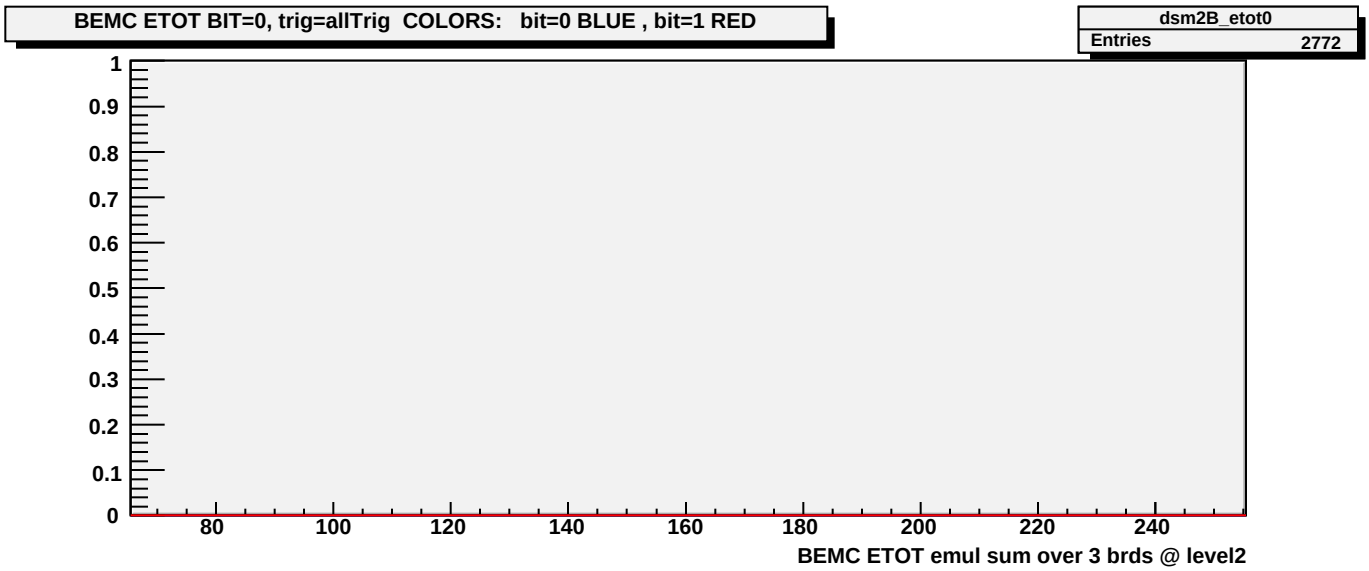

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 2772
Jet Patch 4 Sum
Jet Patch 3 Sum

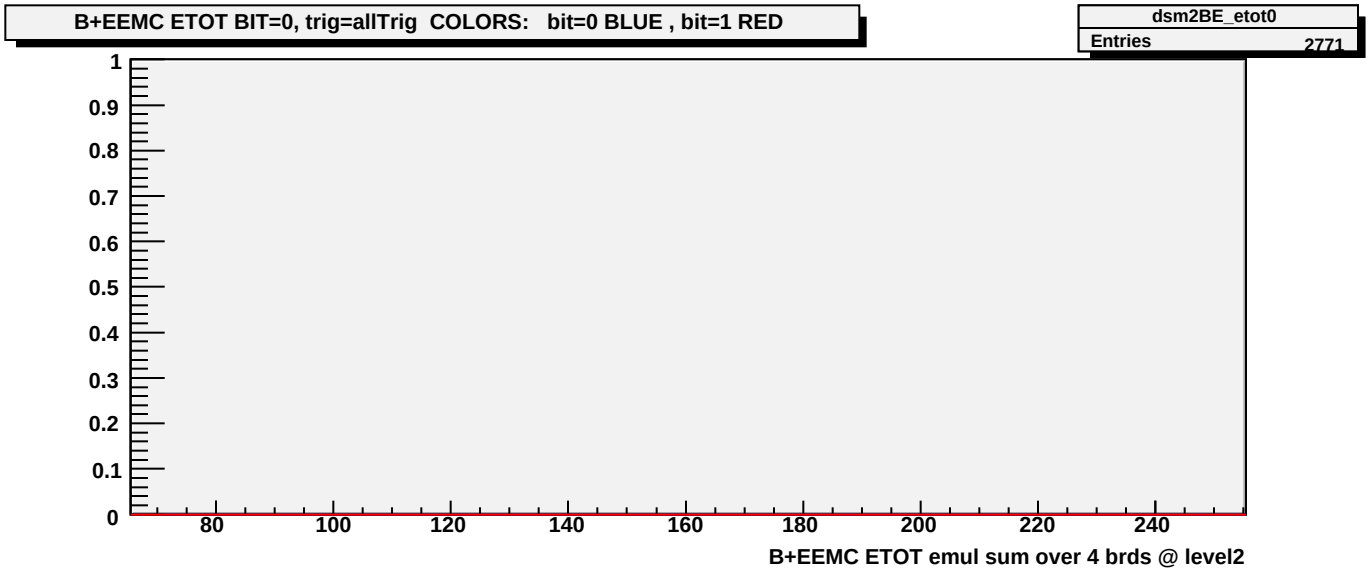

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 2772
Jet Patch 5 Sum
Jet Patch 4 Sum

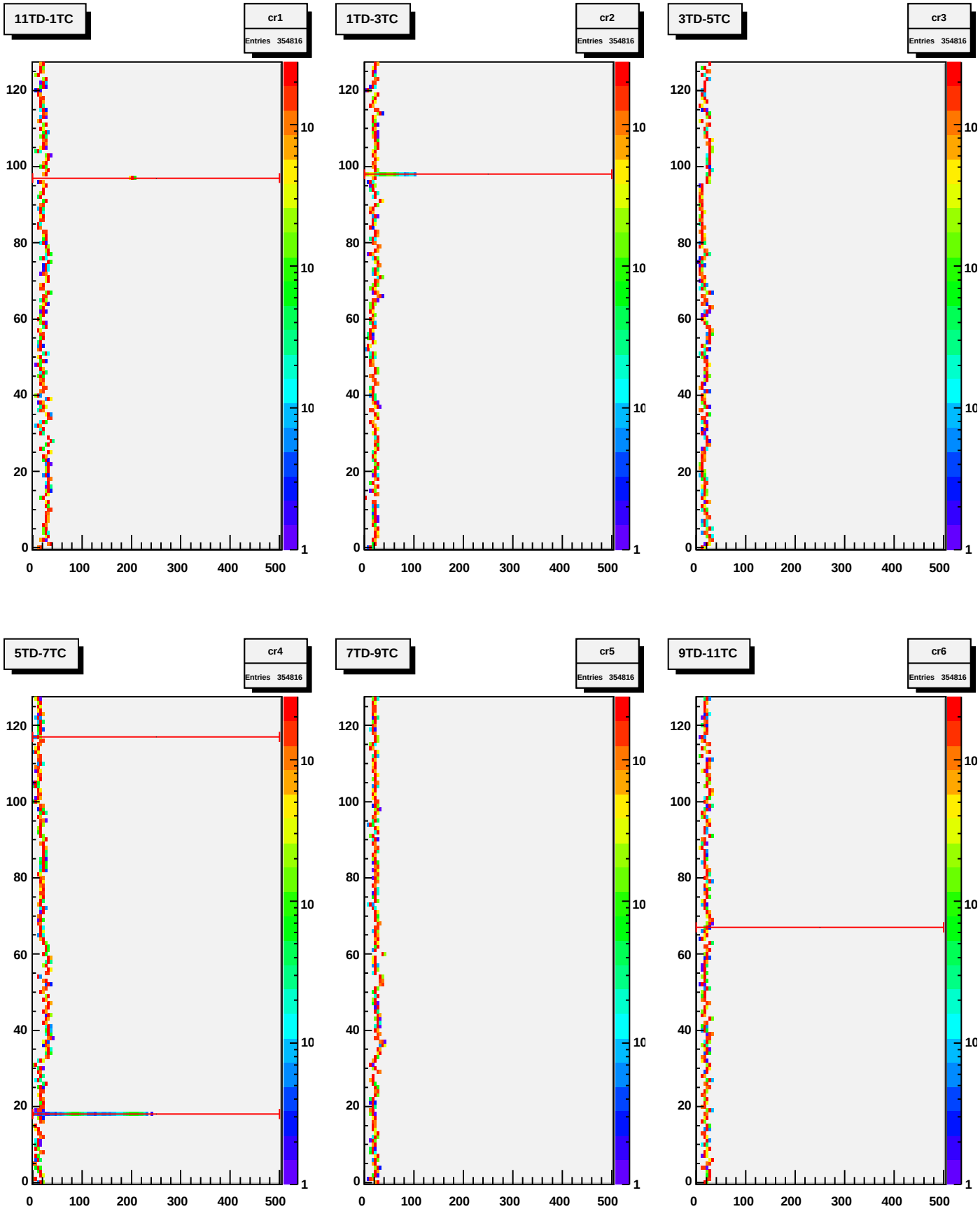

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 2772
Jet Patch 6 Sum
Jet Patch 5 Sum

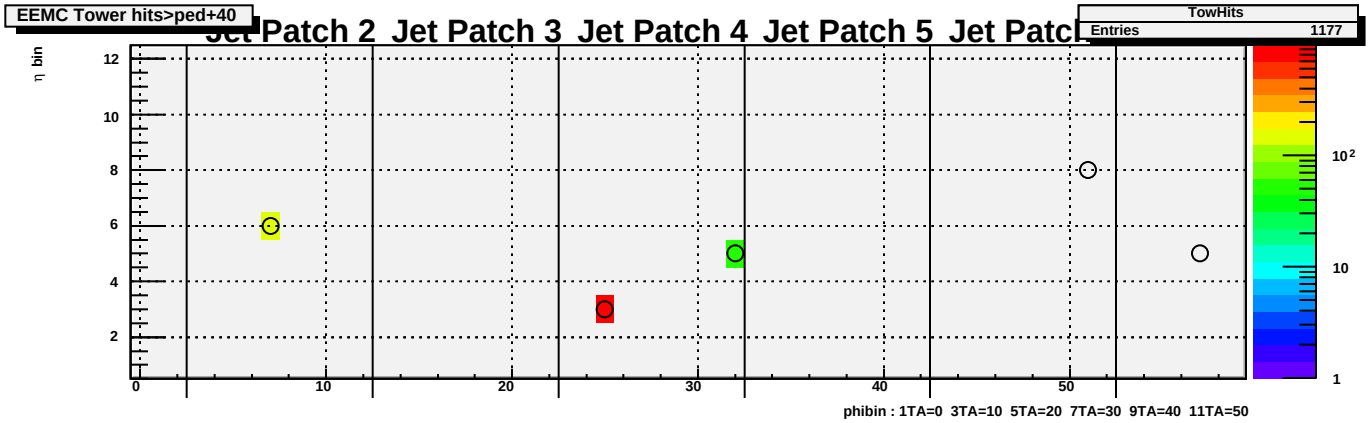

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 2772
Jet Patch 1 Sum
Jet Patch 6 Sum

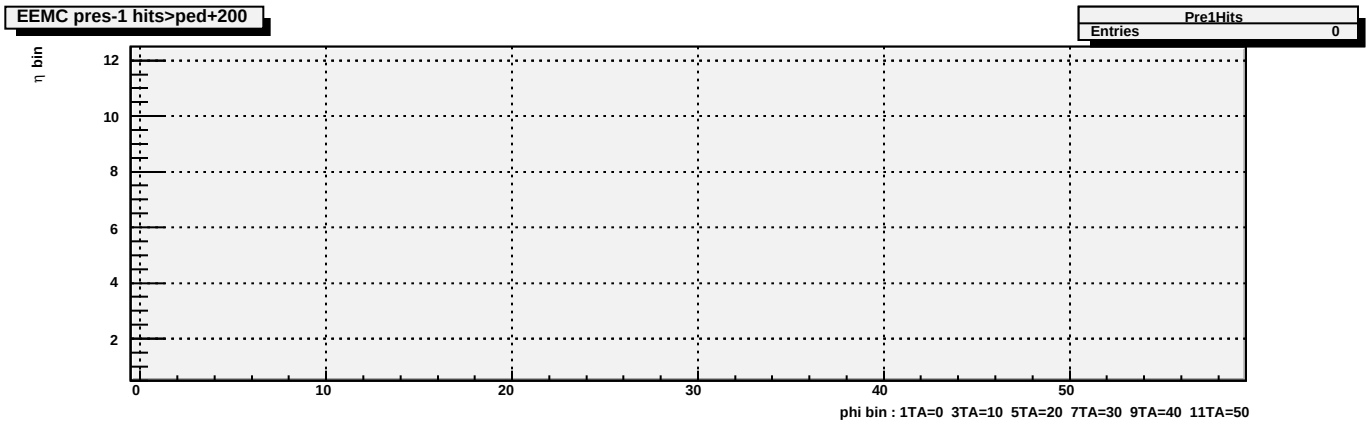

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 2758
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
20
25
30
35
40
45
50
55
60
EEMC ETOT emul sum over 1 brd @ level2

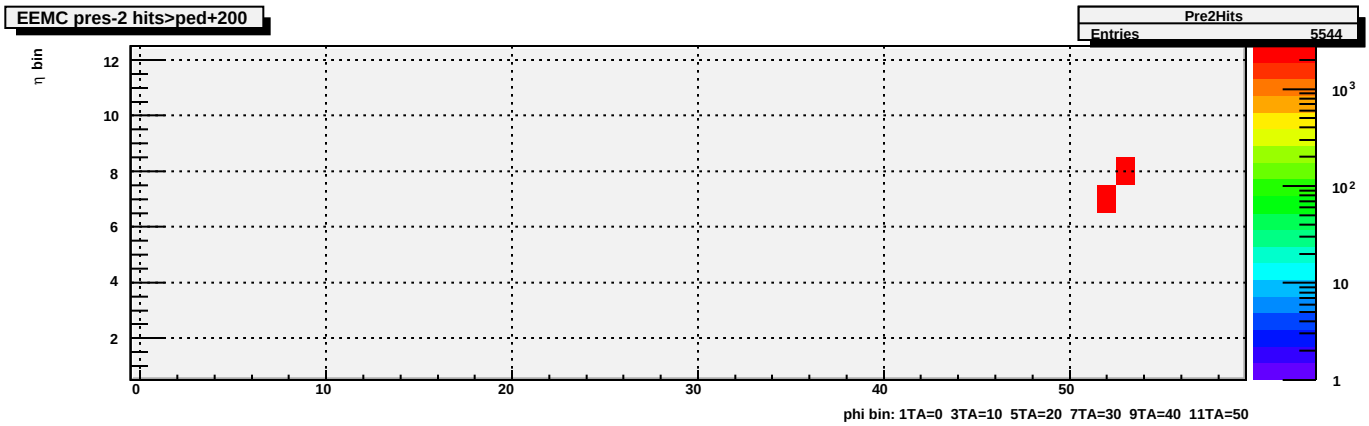

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 2772
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
BEMC ETOT emul sum over 3 brds @ level2

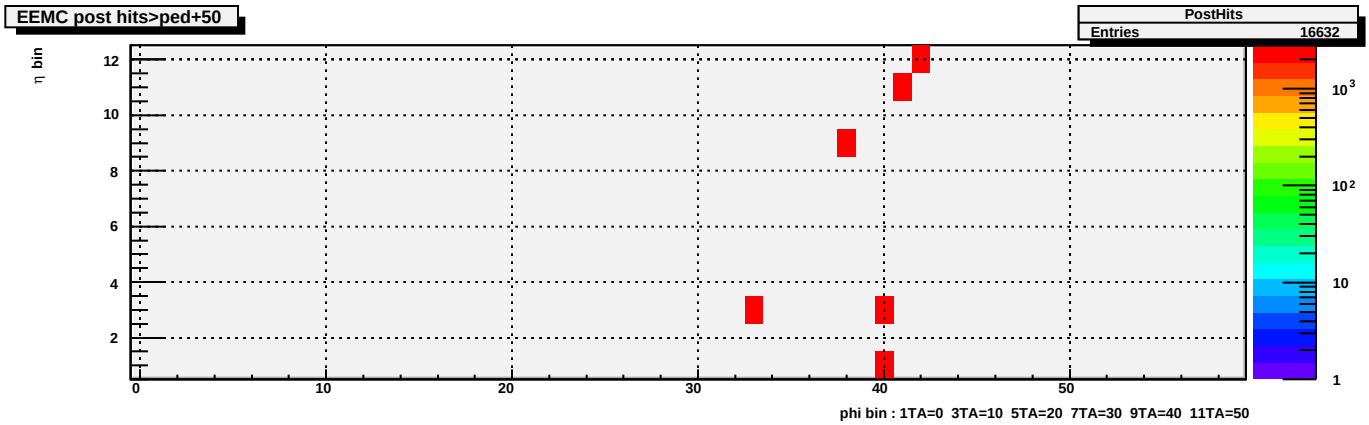

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 2771
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
80
100
120
140
160
180
200
220
240
B+EEMC ETOT emul sum over 4 brds @ level2

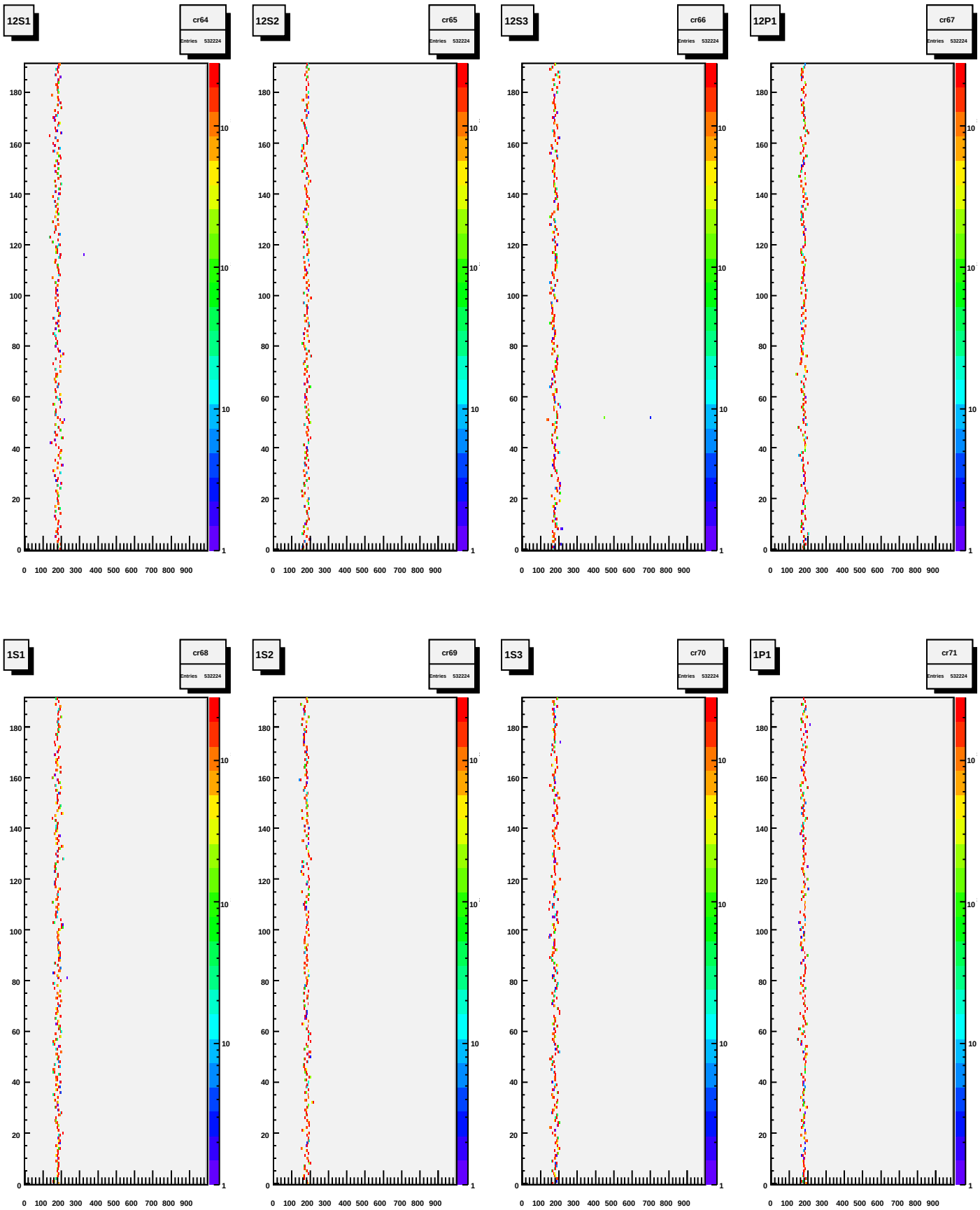

11TD-1TC
cr1
Entries 354816
1TD-3TC
cr2
Entries 354816
3TD-5TC
cr3
Entries 354816
5TD-7TC
cr4
Entries 354816
7TD-9TC
cr5
Entries 354816
9TD-11TC
cr6
Entries 354816
0
20
40
60
80
100
120
0
100
200
300
400
500
1
10

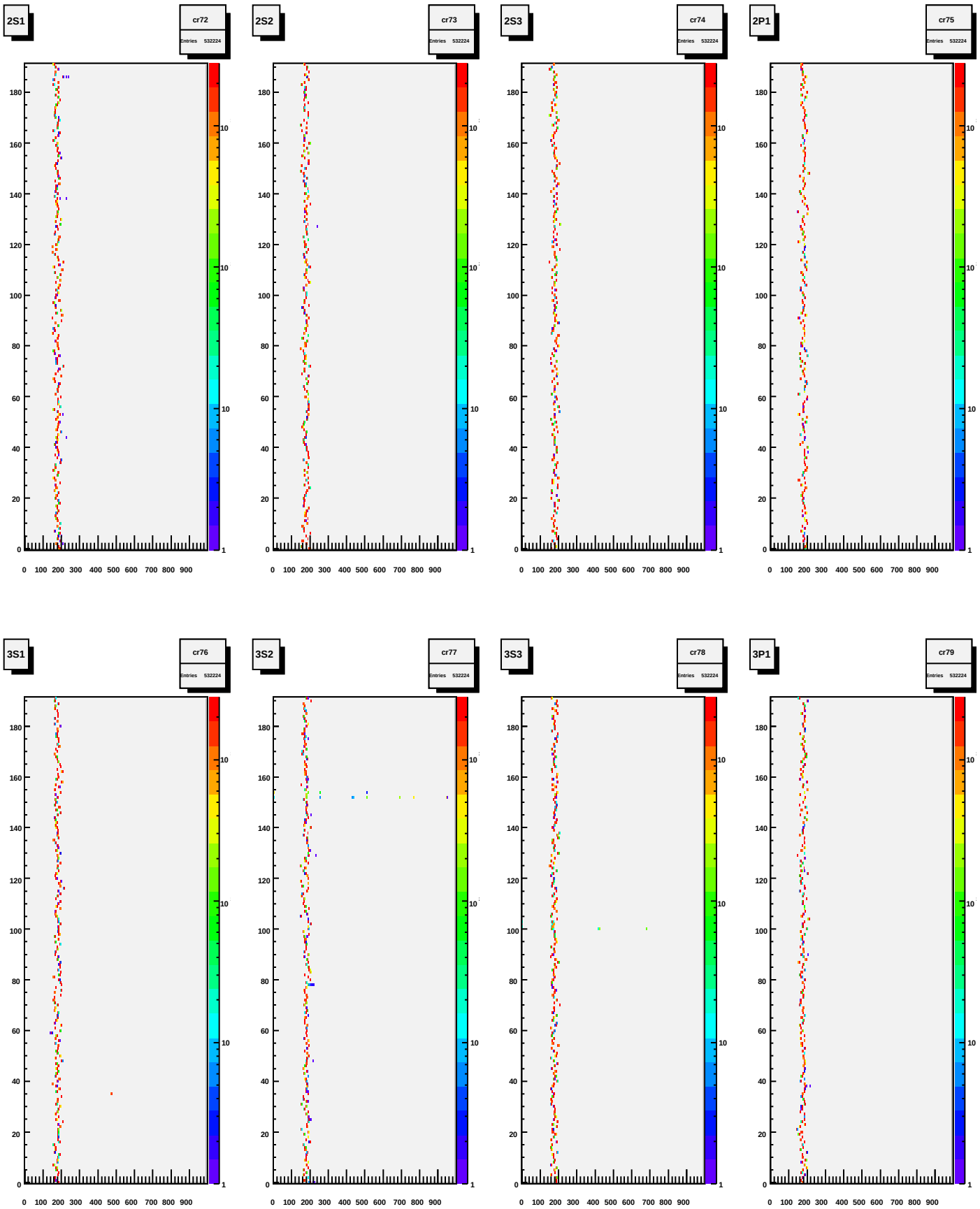

EEMC Tower hits>ped+40
Jet Patch 2 Jet Patch 3 Jet Patch 4 Jet Patch 5 Jet Patch
TowHits
Entries 1177
η bin
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

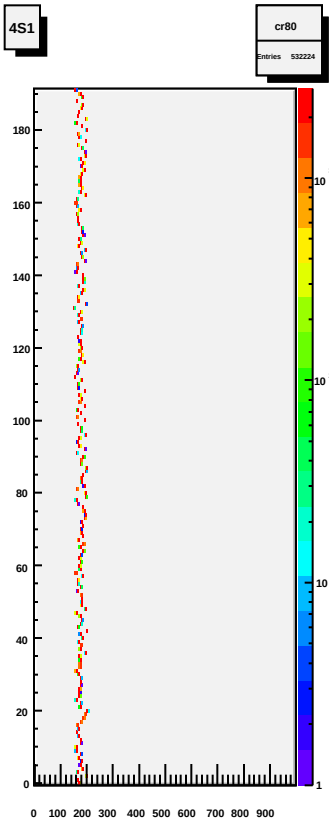

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 0
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

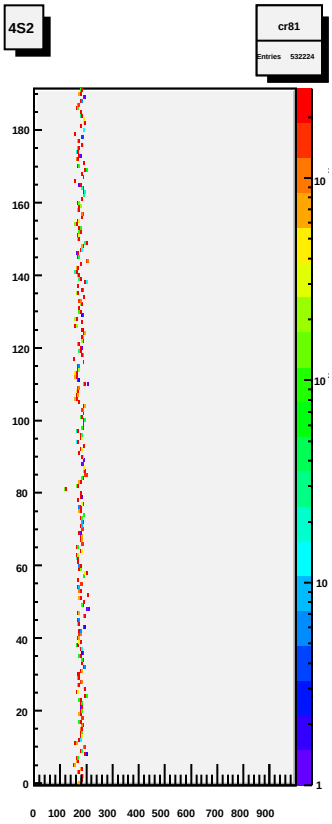

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 5544
η bin
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

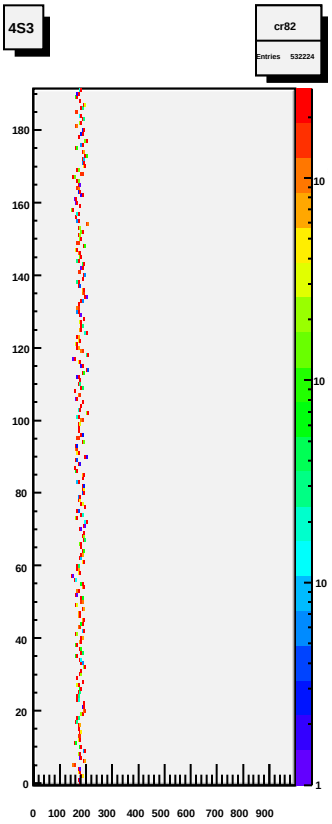

EEMC post hits>ped+50
PostHits
Entries 16632
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

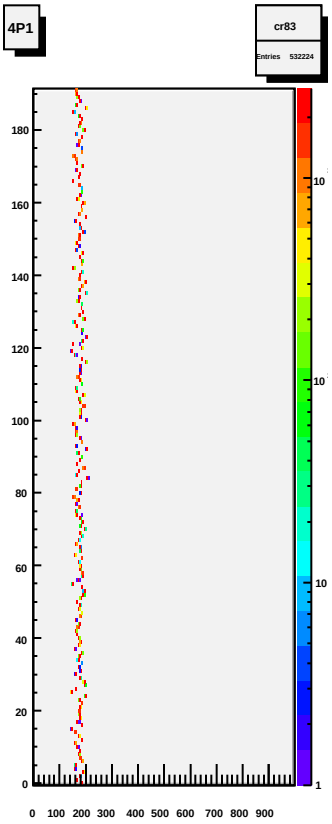

12S1
cr64
Entries 532224
12S2
cr65
Entries 532224
12S3
cr66
Entries 532224
12P1
cr67
Entries 532224
1S1
cr68
Entries 532224
1S2
cr69
Entries 532224
1S3
cr70
Entries 532224
1P1
cr71
Entries 532224
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1 10 10 10

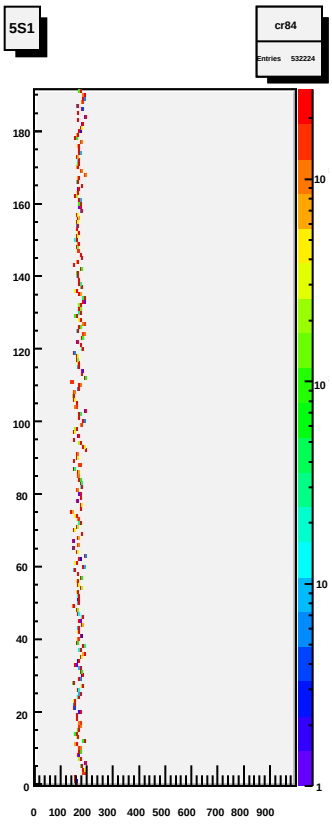

2S1
cr72
Entries 532224
2S2
cr73
Entries 532224
2S3
cr74
Entries 532224
2P1
cr75
Entries 532224
3S1
cr76
Entries 532224
3S2
cr77
Entries 532224
3S3
cr78
Entries 532224
3P1
cr79
Entries 532224
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1 10 10 10

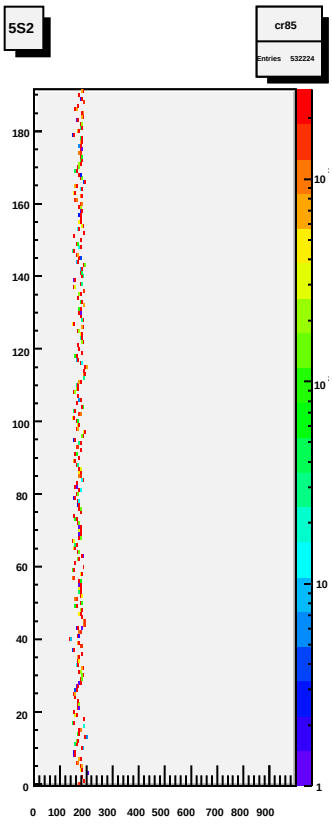

4S1
cr80
Entries 532224

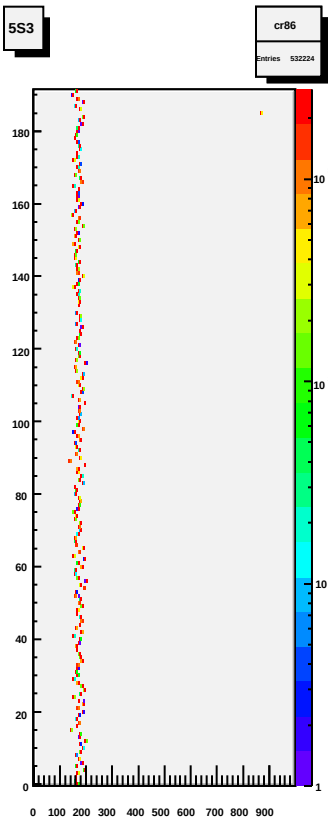

4S2
cr81
Entries 532224

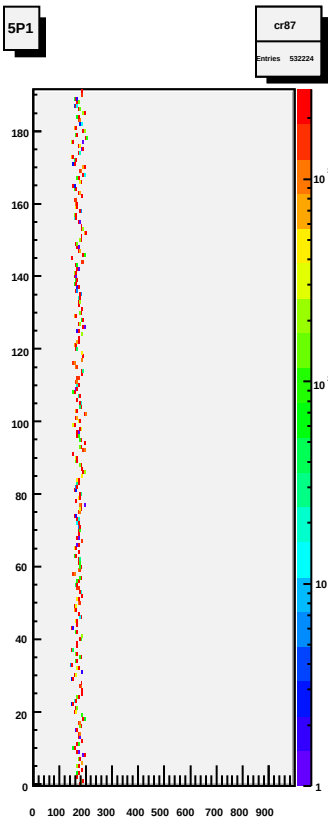

4S3
cr82
Entries 532224

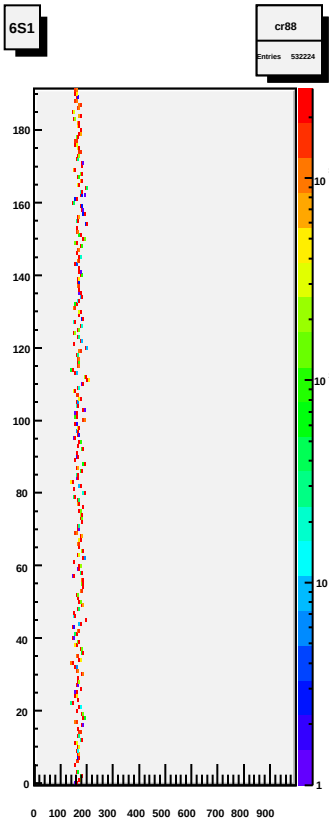

4P1
cr83
Entries 532224

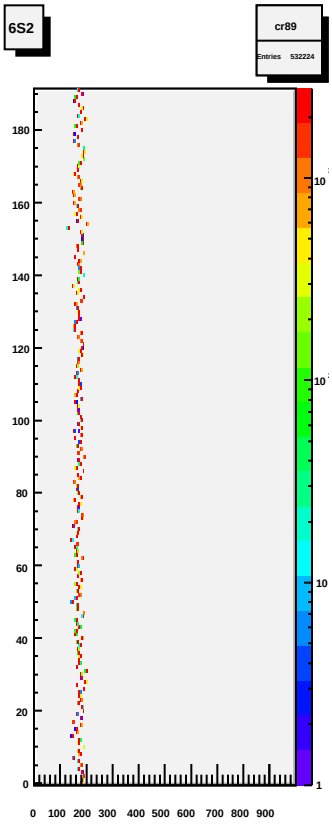

5S1
cr84
Entries 532224

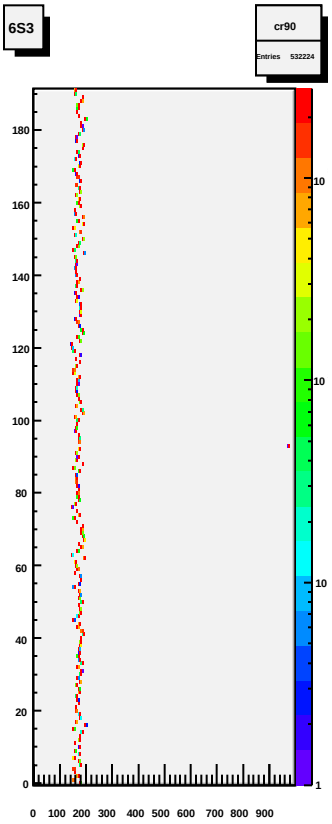

5S2
cr85
Entries 532224

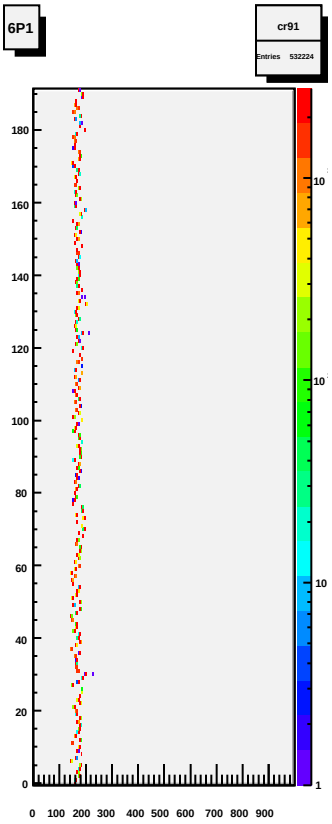

5S3
cr86
Entries 532224

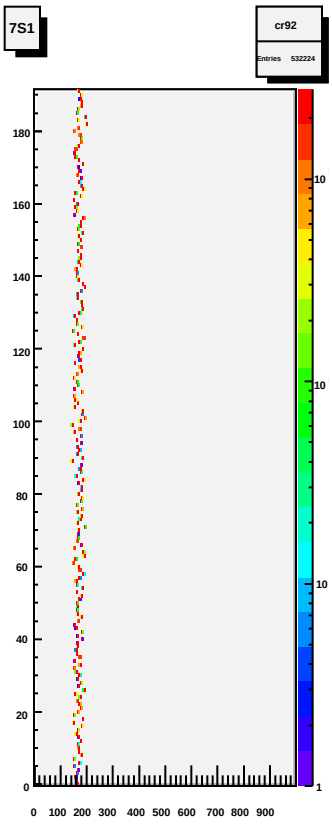

5P1
cr87
Entries 532224

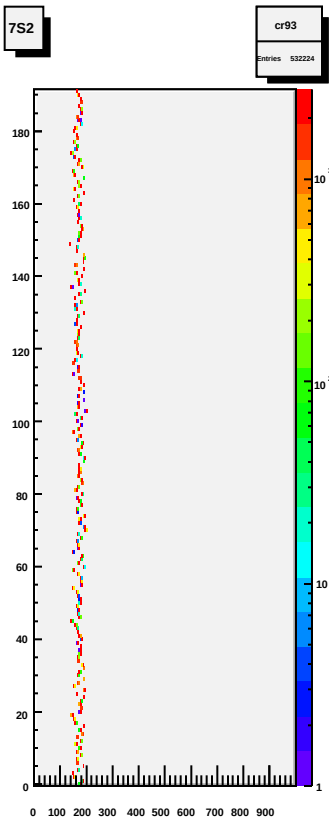

6S1
cr88
Entries 532224

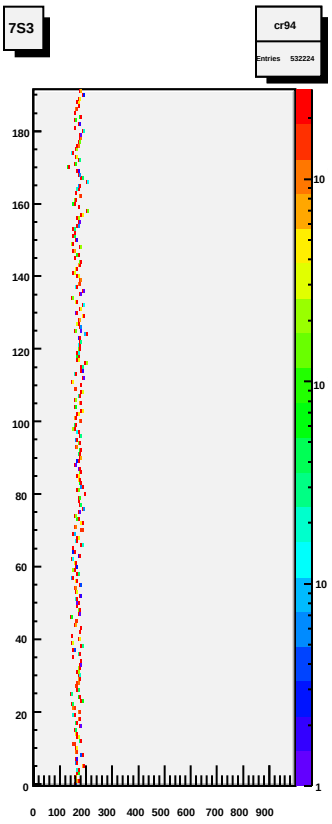

6S2
cr89
Entries 532224

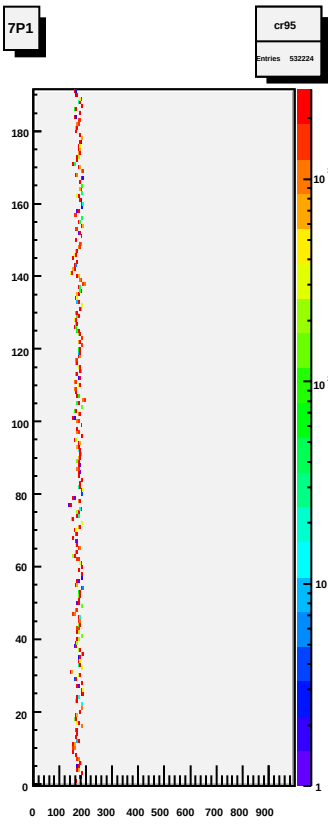

6S3
cr90
Entries 532224

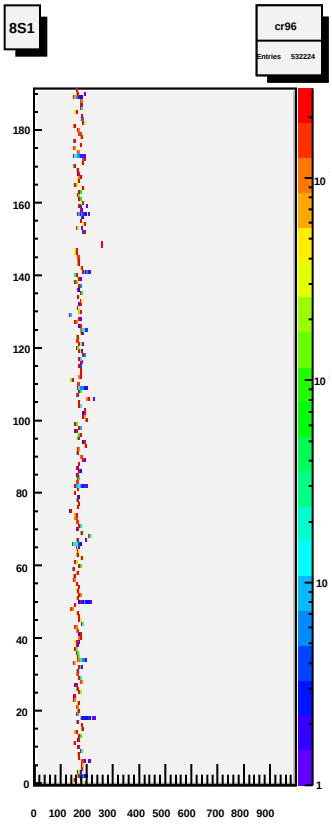

6P1
cr91
Entries 532224

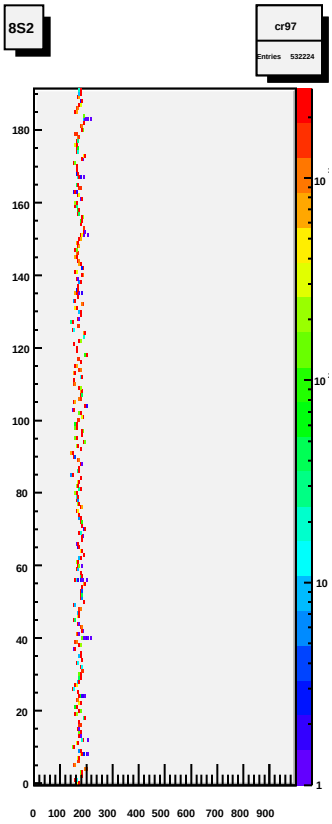

7S1
cr92
Entries 532224

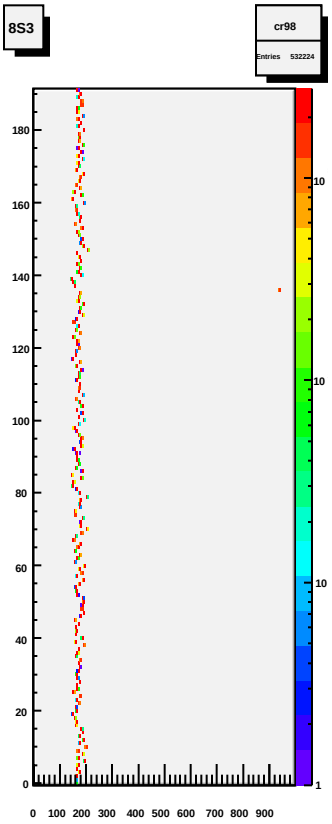

7S2
cr93
Entries 532224

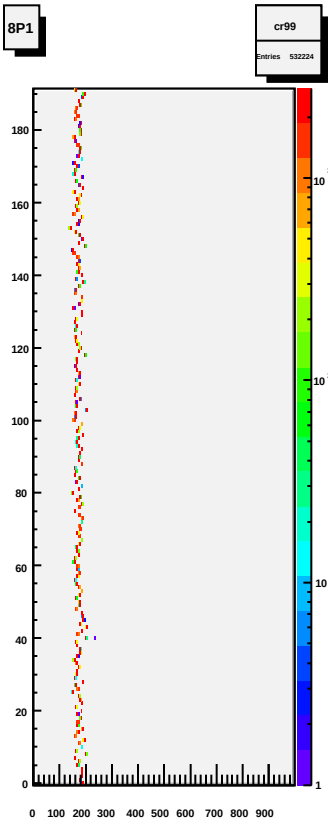

7S3
cr94
Entries 532224

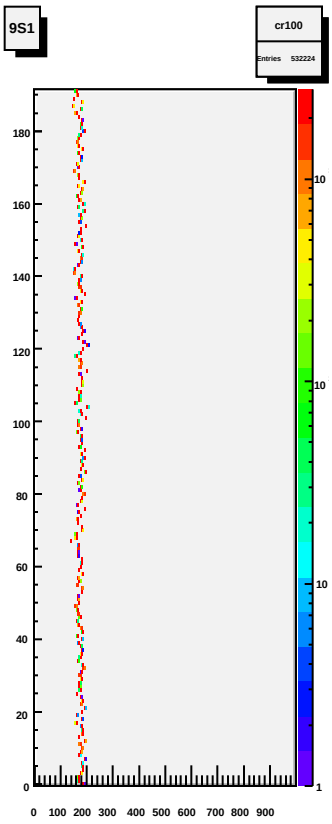

7P1
cr95
Entries 532224

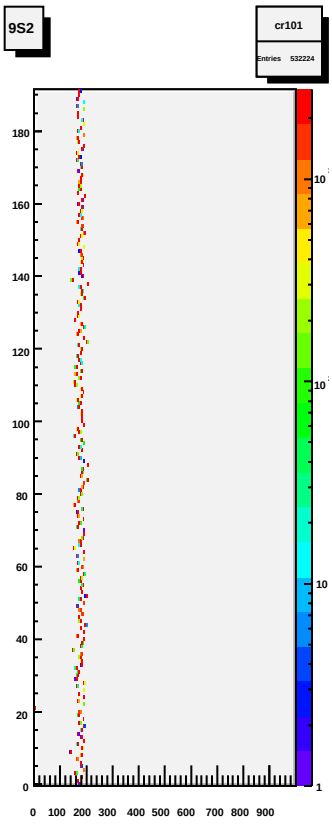

8S1
cr96
Entries 532224

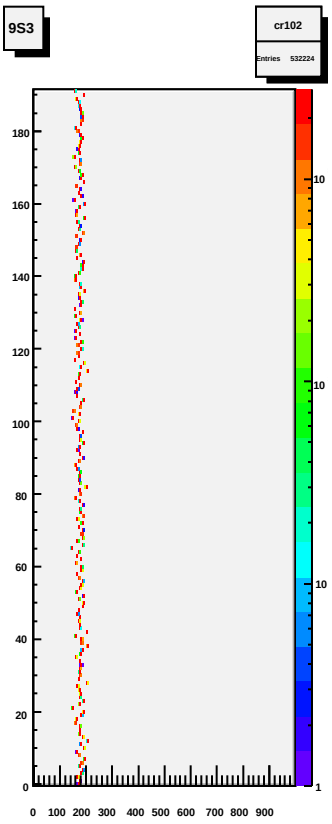

8S2
cr97
Entries 532224

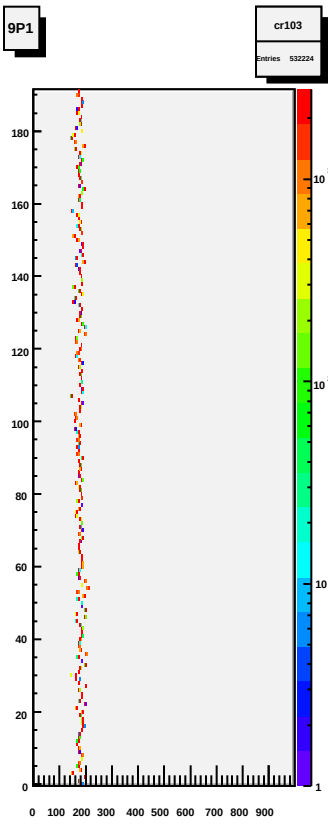

8S3
cr98
Entries 532224

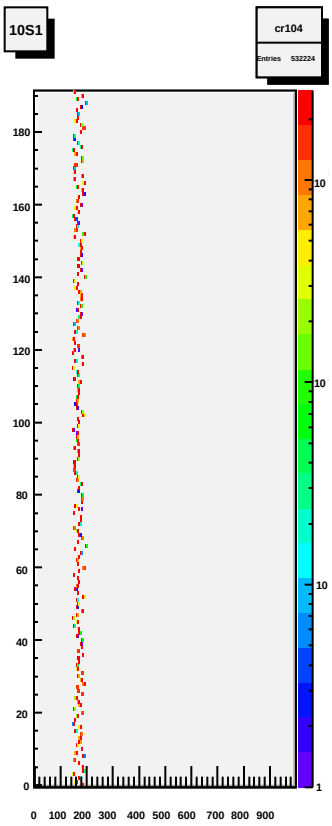

8P1
cr99
Entries 532224

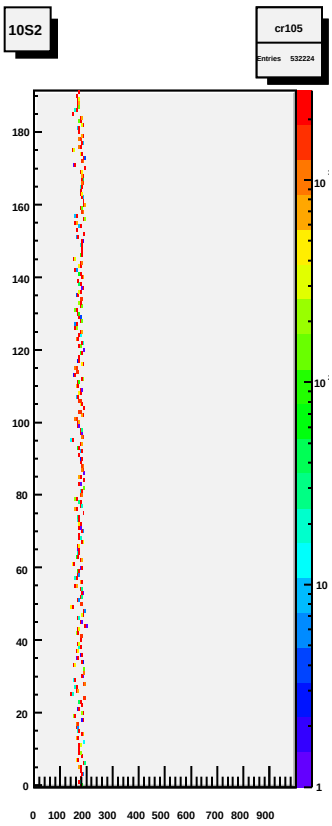

9S1
cr100
Entries 532224

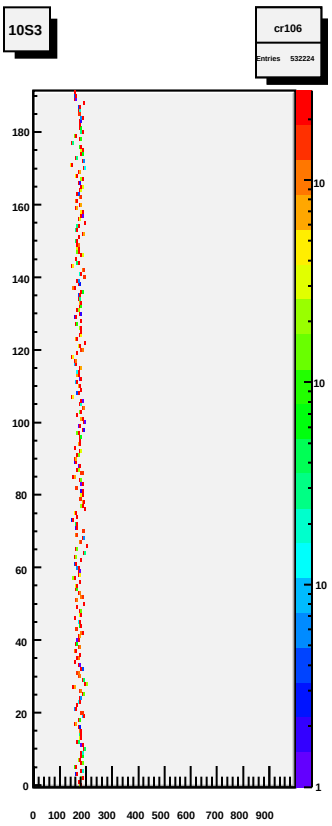

9S2
cr101
Entries 532224

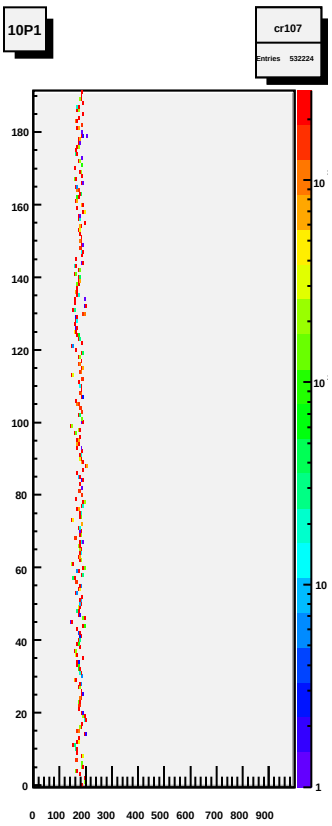

9S3
cr102
Entries 532224


9P1
cr103
Entries 532224


10S1
cr104
Entries 532224


10S2
cr105
Entries 532224


10S3
cr106
Entries 532224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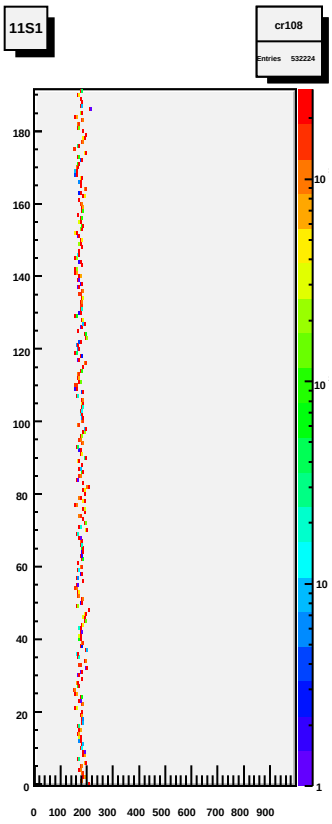
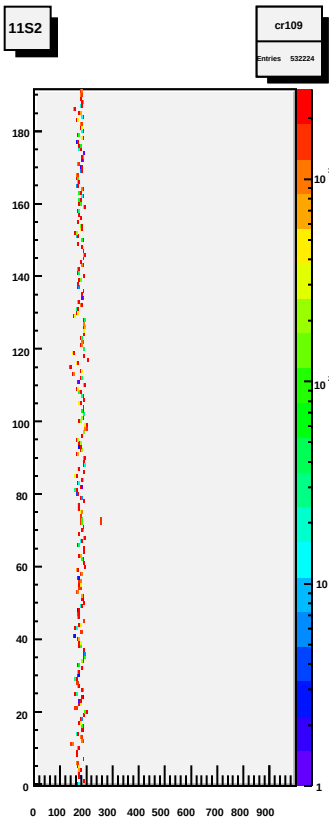
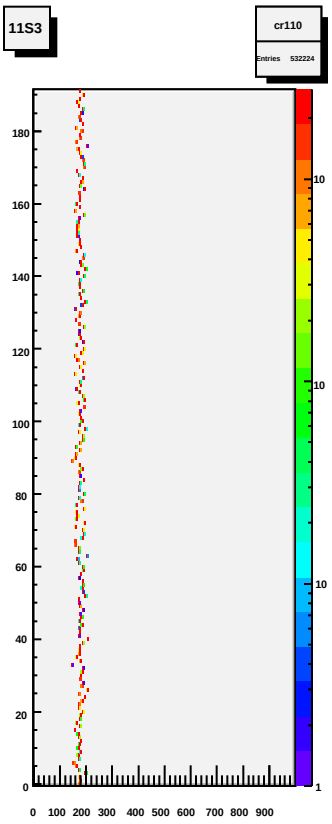
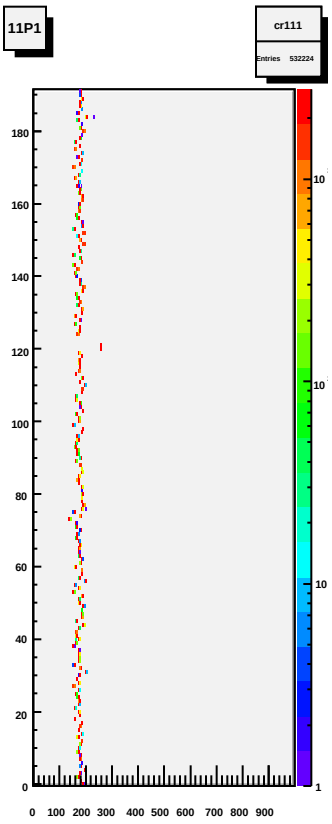
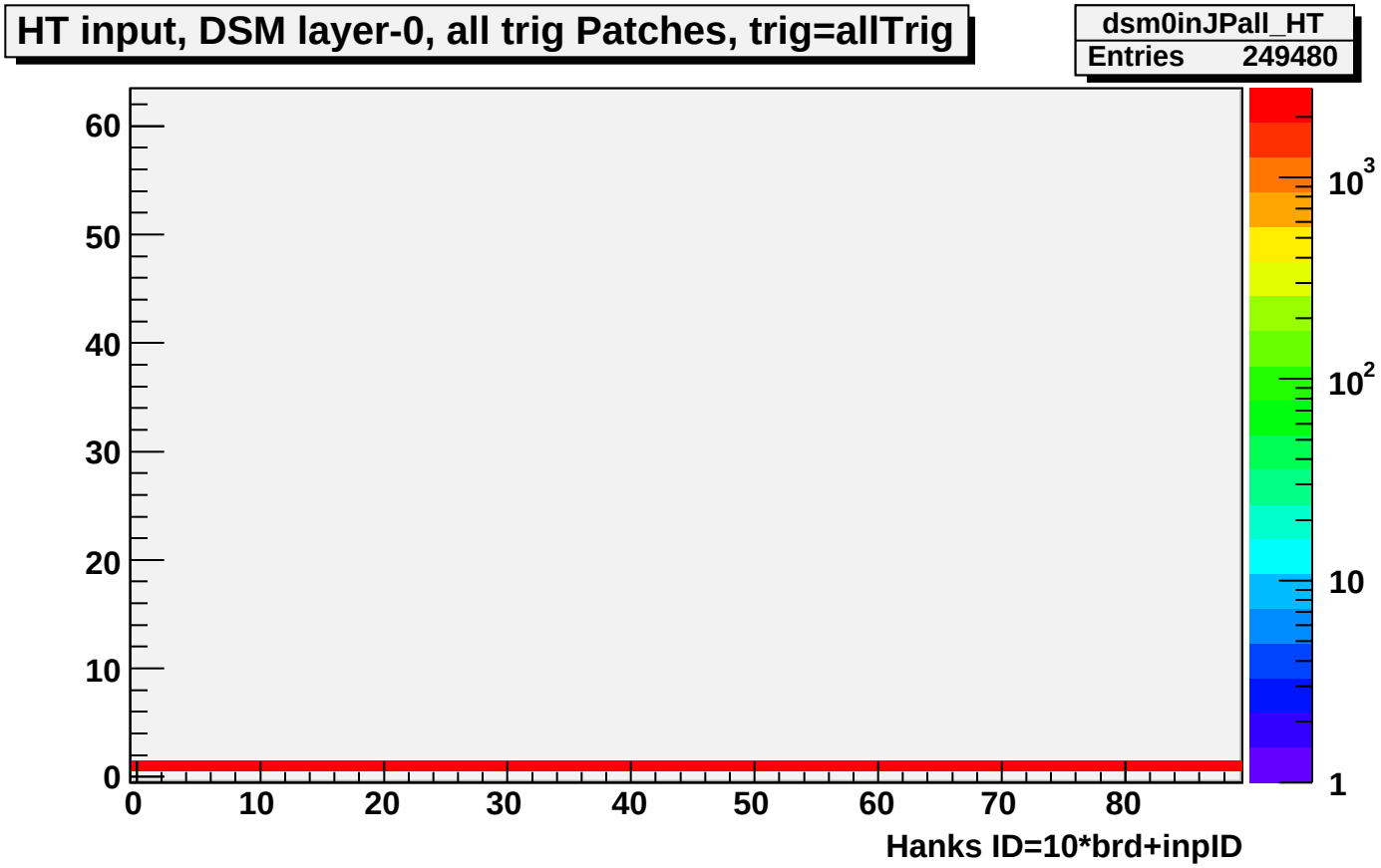
cr107
Entries 532224

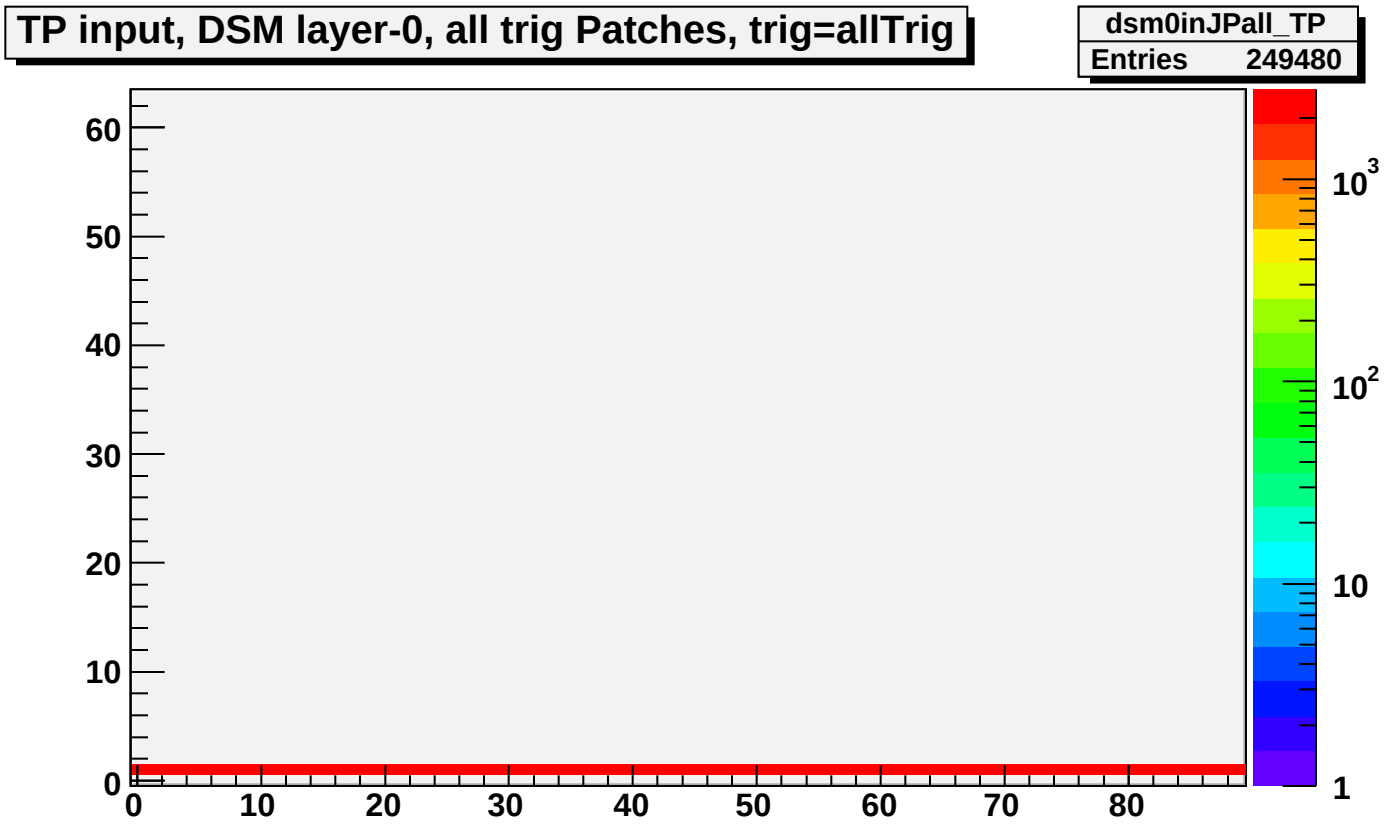

11S1
cr108
Entries 532224

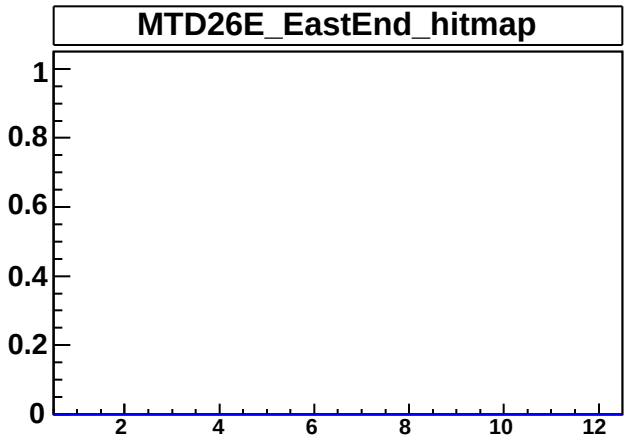

11S2
cr109
Entries 532224

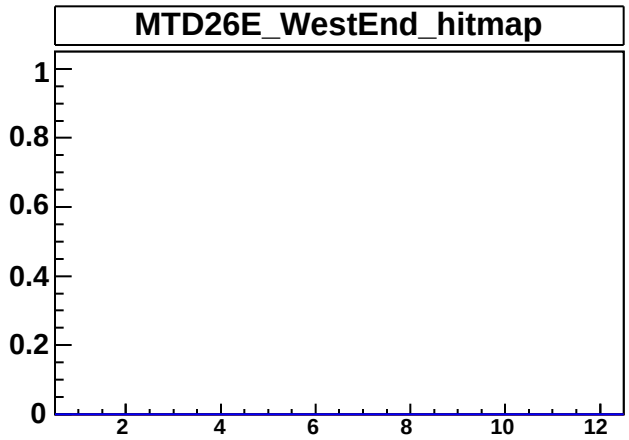

11S3
cr110
Entries 532224

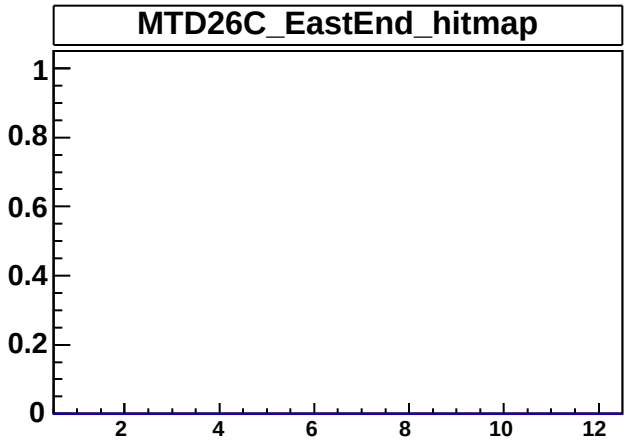

11P1
cr111
Entries 532224

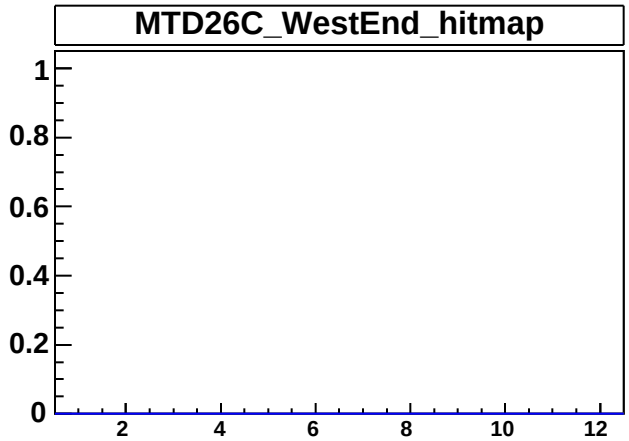

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 249480
0
10
20
30
40
50
60
0
10
20
30
40
50
60
70
80
Hanks ID=10*brd+inpID
1
10
10^2
10^3

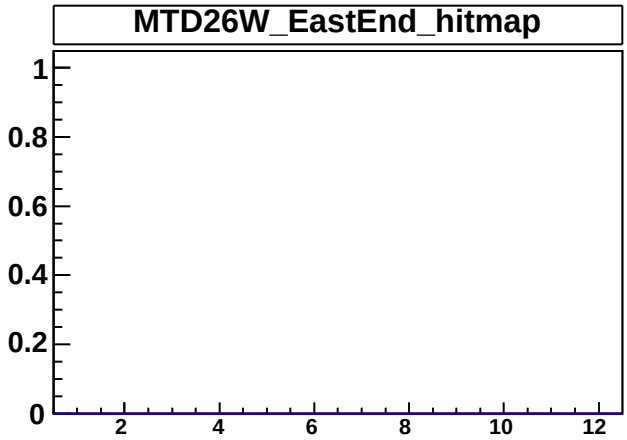

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 249480
0
10
20
30
40
50
60
0
10
20
30
40
50
60
70
80
1
10
10^2
10^3

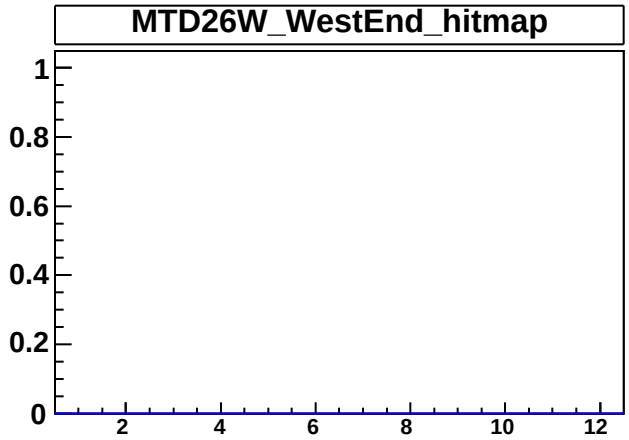

MTD26E_EastEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

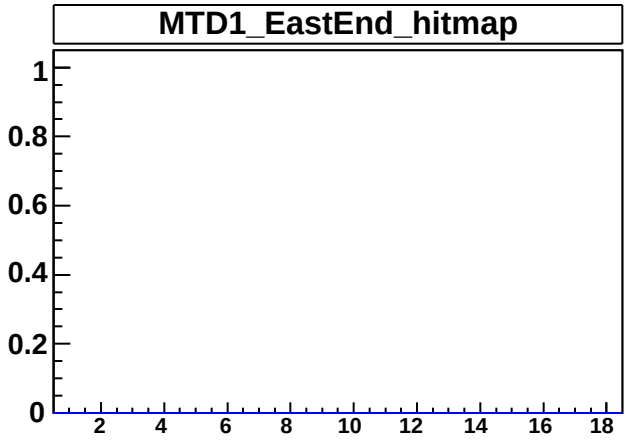

MTD26E_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

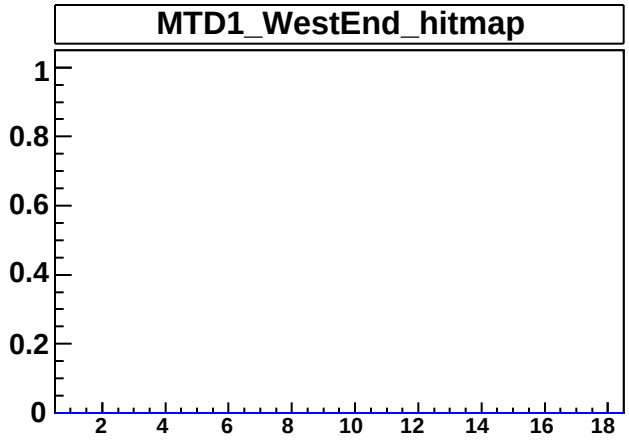

MTD26C_EastEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12

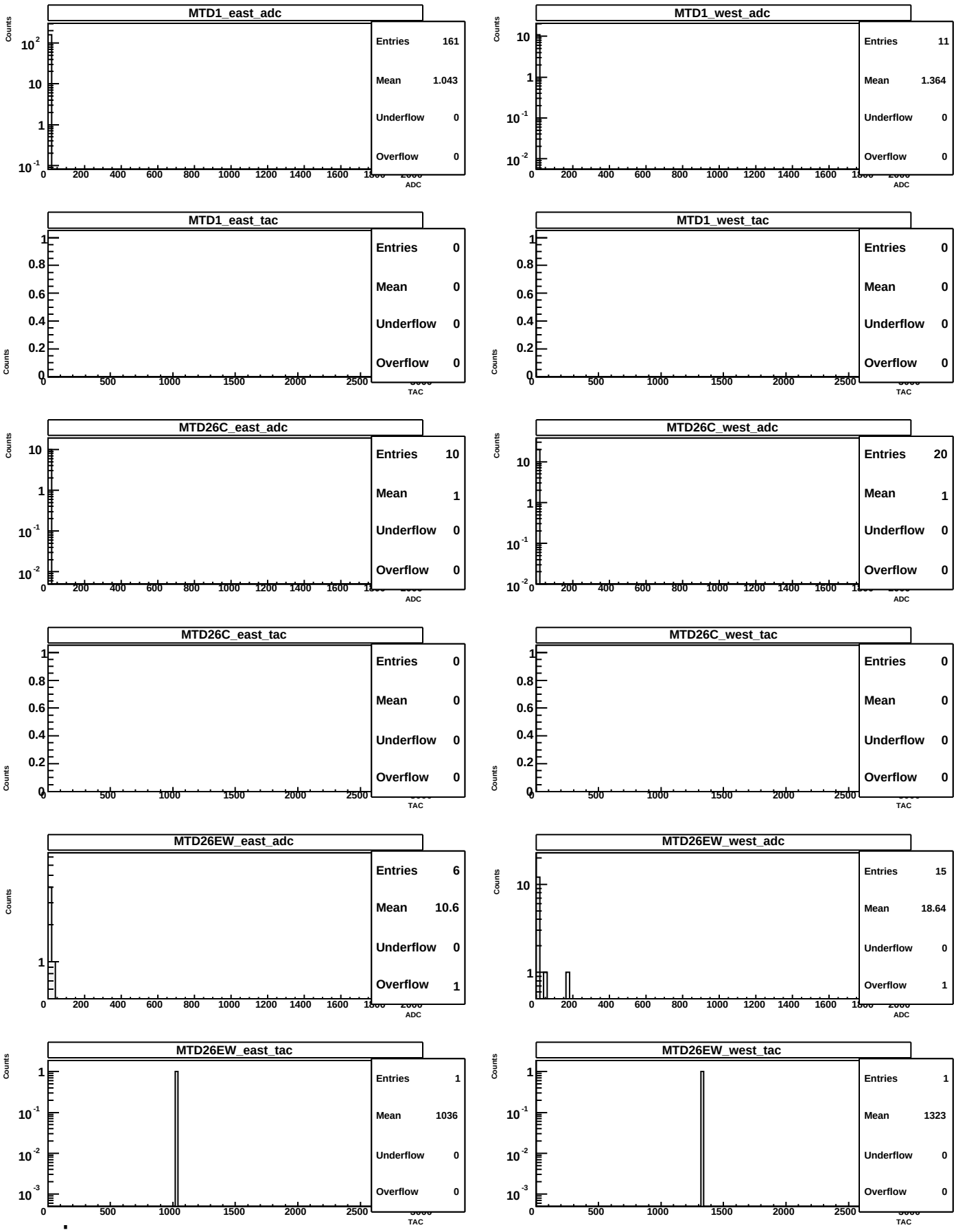

MTD26C_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12


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

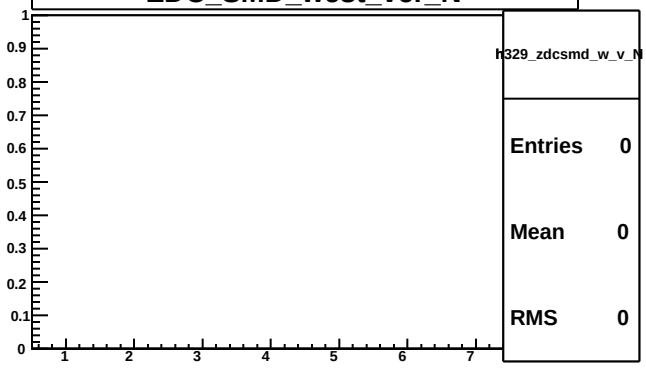

MTD26W_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12


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

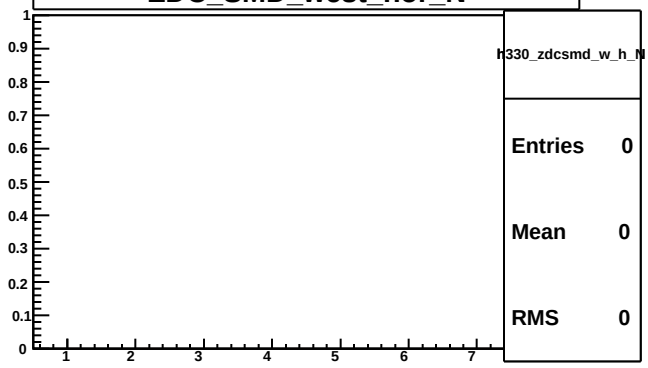

MTD1_WestEnd_hitmap
1
0.8
0.6
0.4
0.2
0
2
4
6
8
10
12
14
16
18


MTD1_east_adc
Entries 161
Mean 1.043
Underflow 0
Overflow 0
Counts
ADC
MTD1_west_adc
Entries 11
Mean 1.364
Underflow 0
Overflow 0
Counts
ADC
MTD1_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD1_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26C_east_adc
Entries 10
Mean 1
Underflow 0
Overflow 0
Counts
ADC
MTD26C_west_adc
Entries 20
Mean 1
Underflow 0
Overflow 0
Counts
ADC
MTD26C_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26C_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_east_adc
Entries 6
Mean 10.6
Underflow 0
Overflow 1
Counts
ADC
MTD26EW_west_adc
Entries 15
Mean 18.64
Underflow 0
Overflow 1
Counts
ADC
MTD26EW_east_tac
Entries 1
Mean 1036
Underflow 0
Overflow 0
Counts
TAC
MTD26EW_west_tac
Entries 1
Mean 1323
Underflow 0
Overflow 0
Counts
TAC

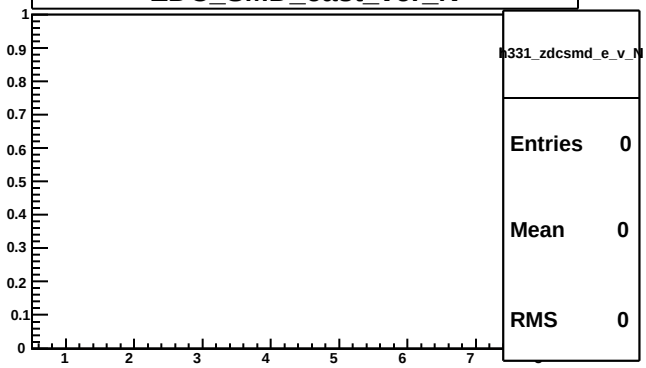
ZDC_SMD_west_ver_N



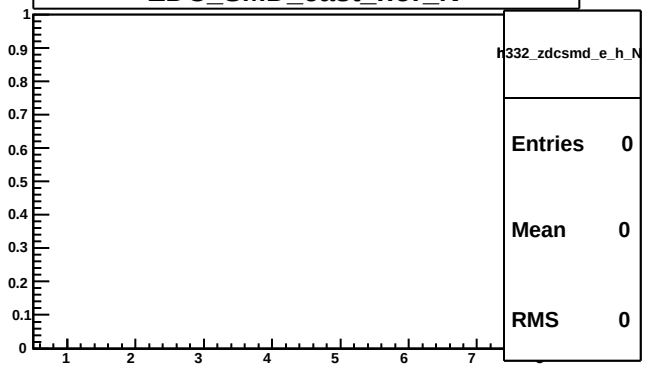
ZDC_SMD_west_hor_N



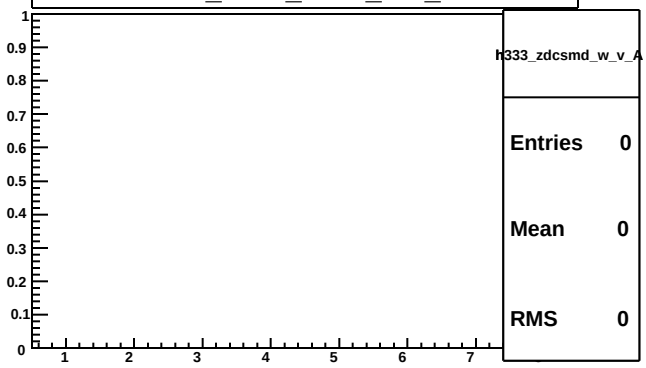
ZDC_SMD_east_ver_N



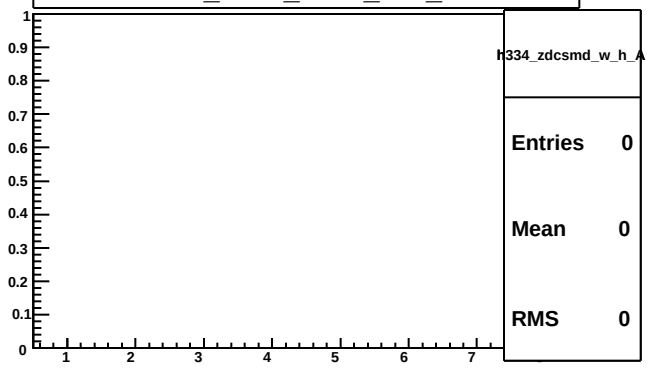
ZDC_SMD_east_hor_N



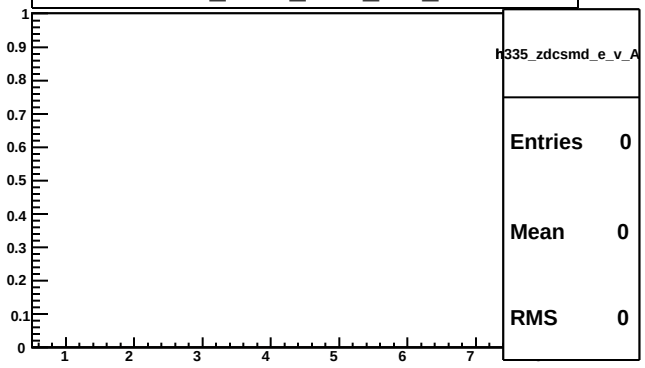
ZDC_SMD_west_ver_A



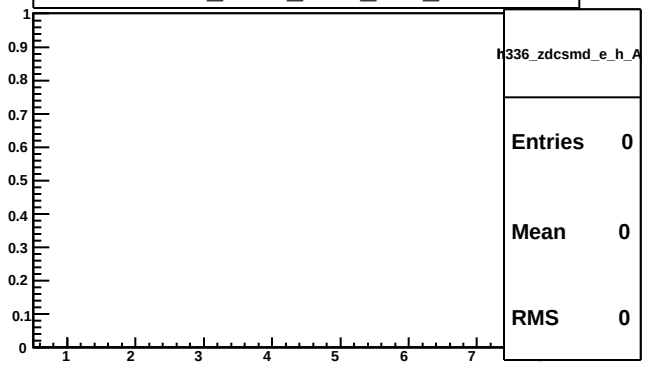
ZDC_SMD_west_hor_A

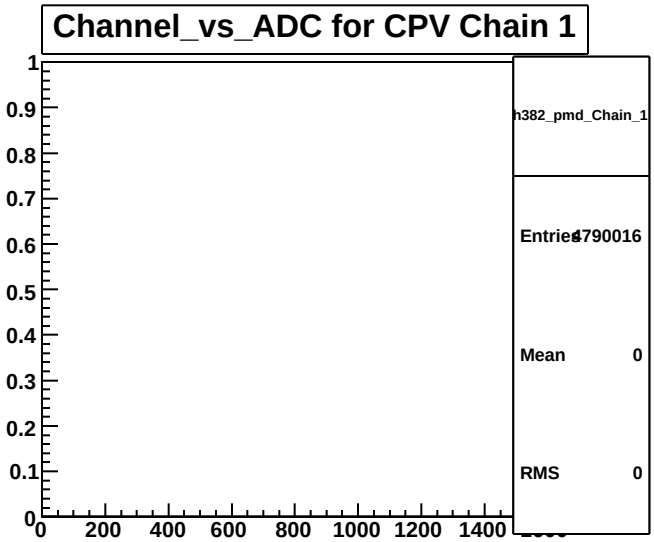


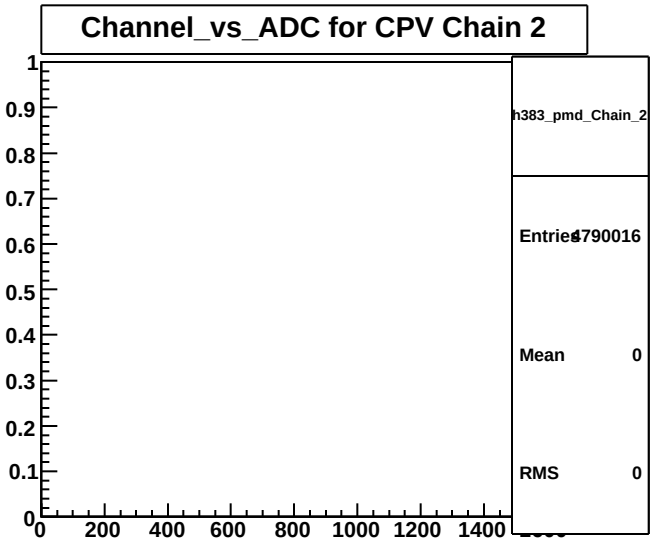
ZDC_SMD_east_ver_A

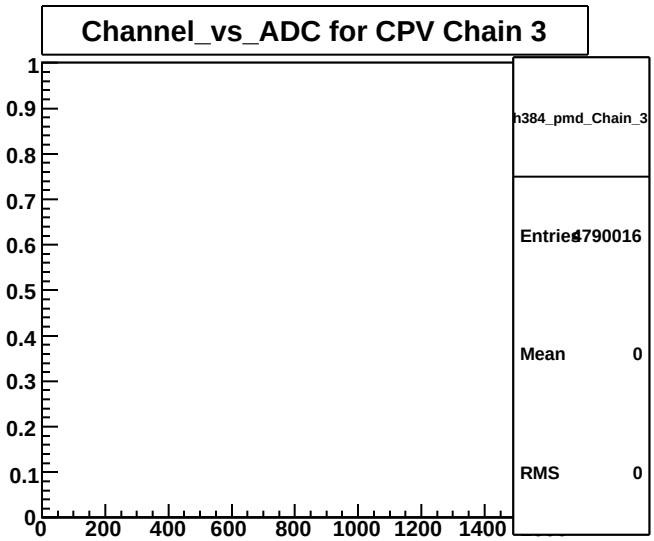


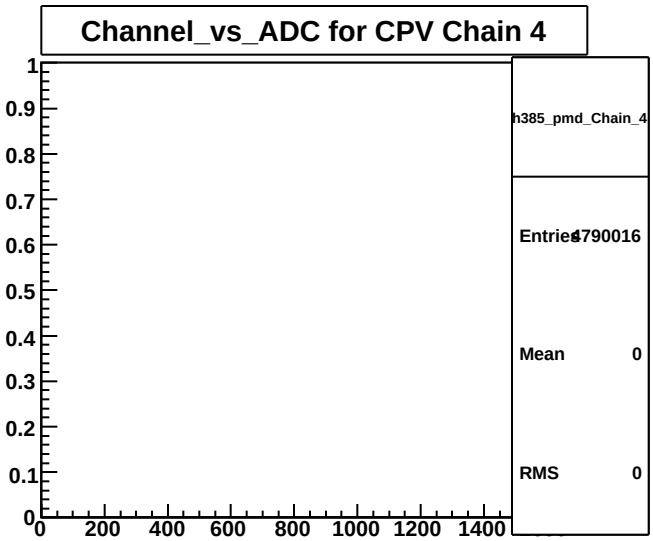
ZDC_SMD_east_hor_A

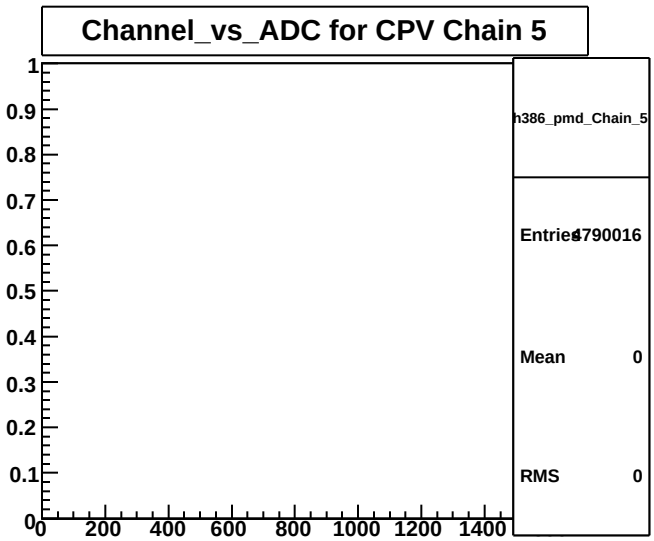


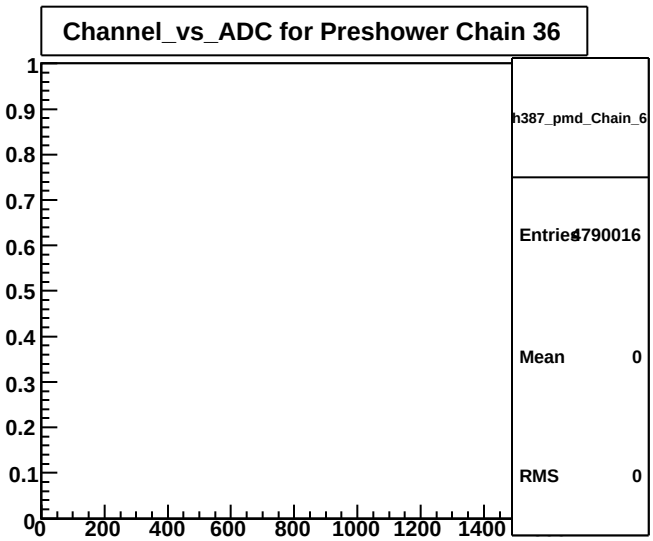

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 4790016
Mean 0
RMS 0

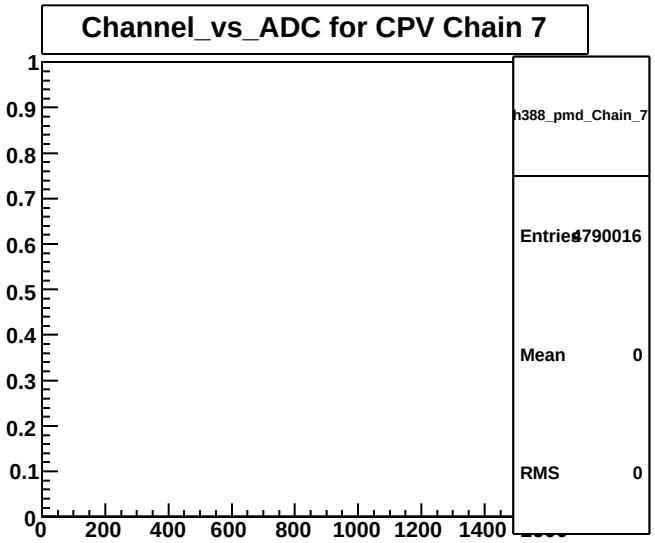

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 4790016
Mean 0
RMS 0

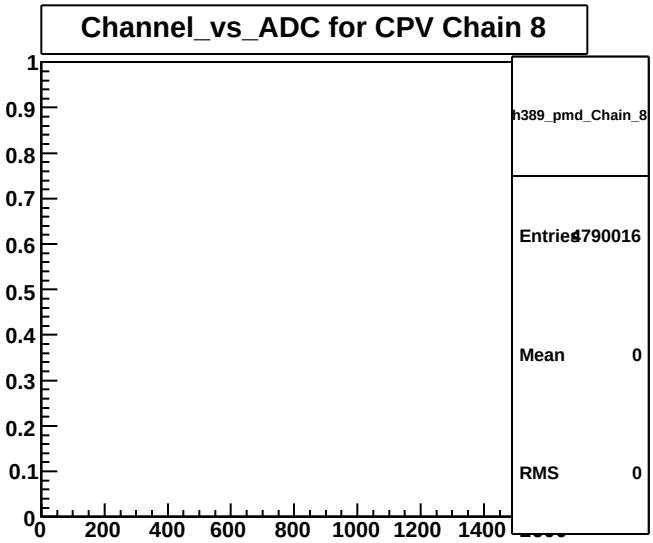

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 4790016
Mean 0
RMS 0

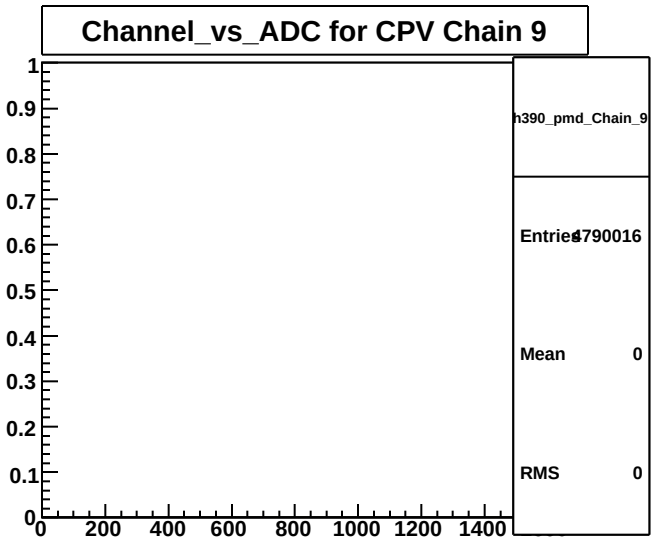

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 4790016
Mean 0
RMS 0

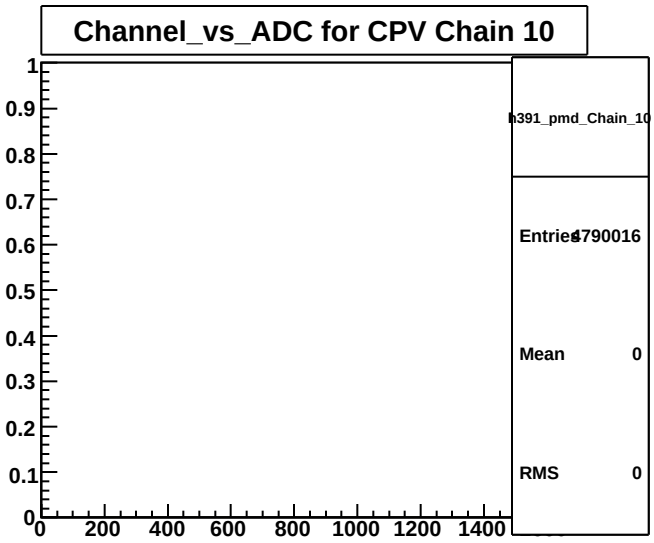

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 4790016
Mean 0
RMS 0

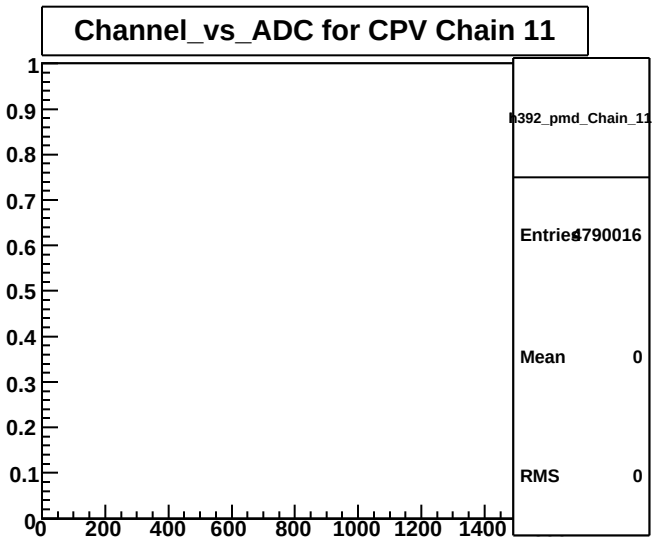

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 4790016
Mean 0
RMS 0

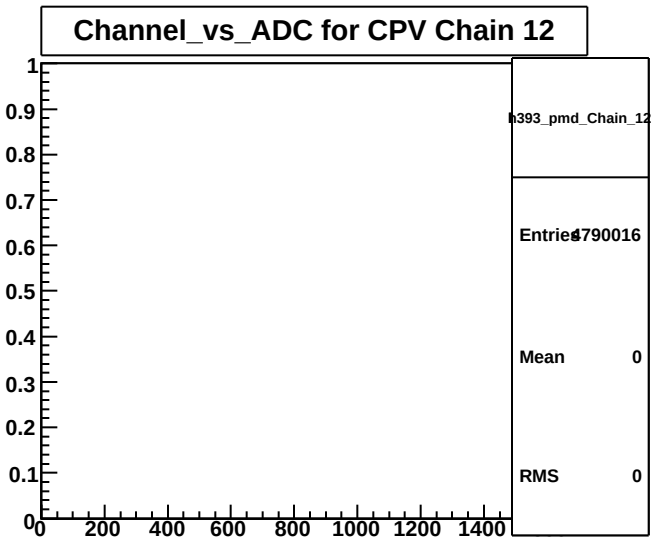

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 4790016
Mean 0
RMS 0

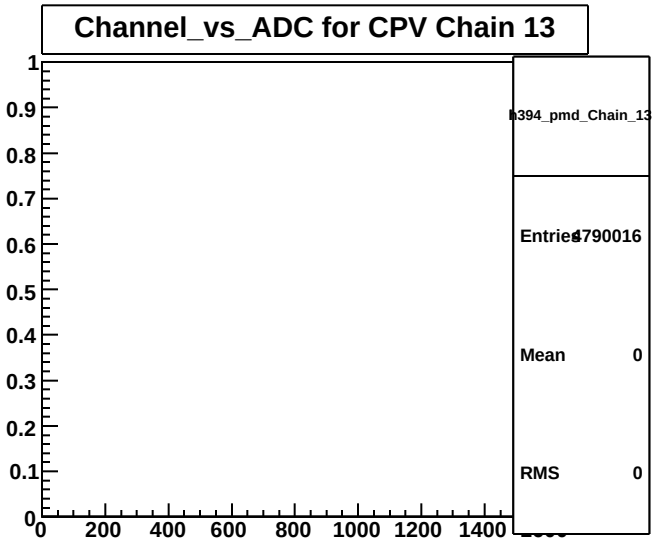

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 4790016
Mean 0
RMS 0

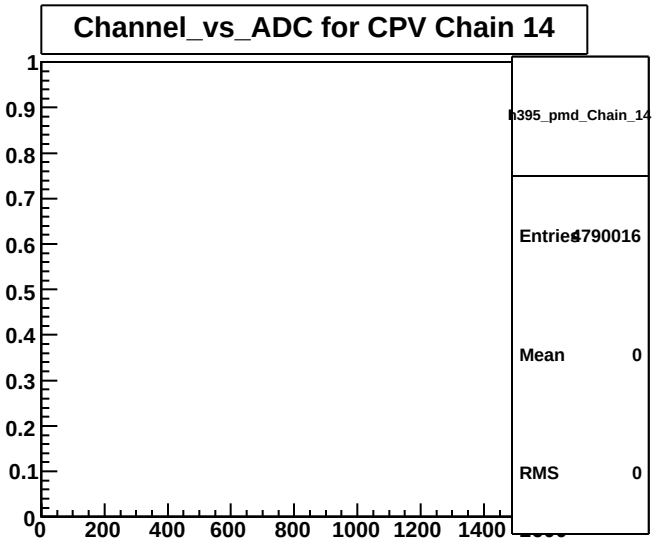

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 4790016
Mean 0
RMS 0

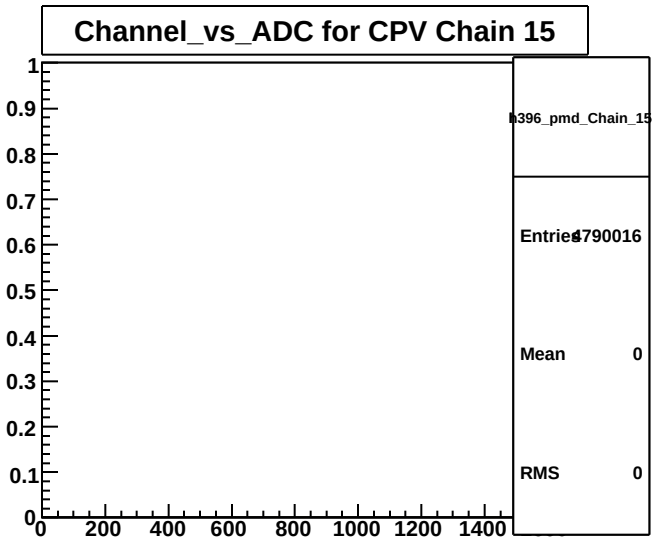

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 4790016
Mean 0
RMS 0

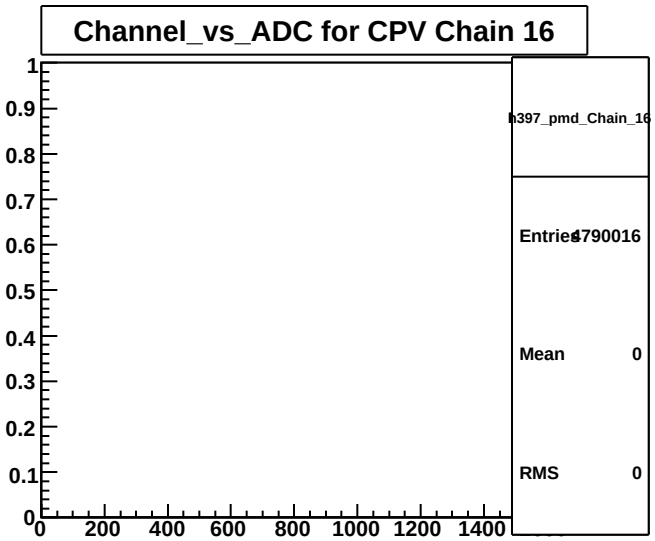

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 4790016
Mean 0
RMS 0

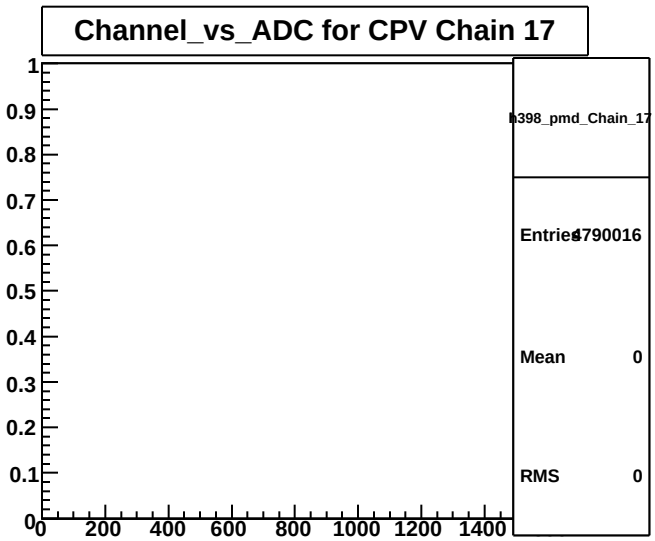

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 4790016
Mean 0
RMS 0

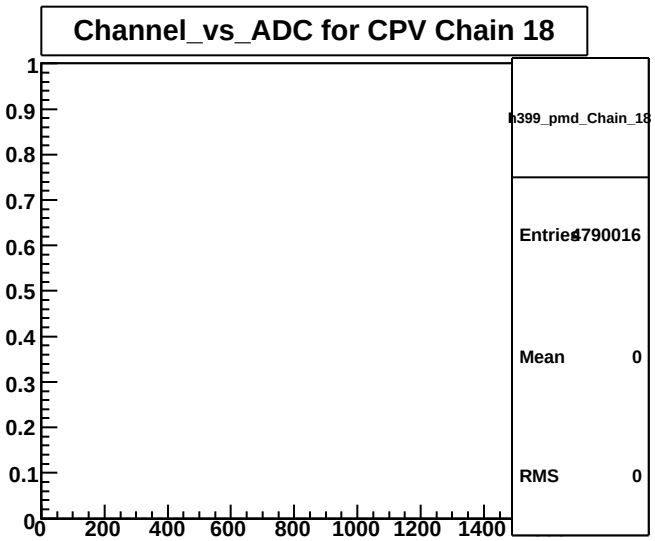

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 4790016
Mean 0
RMS 0

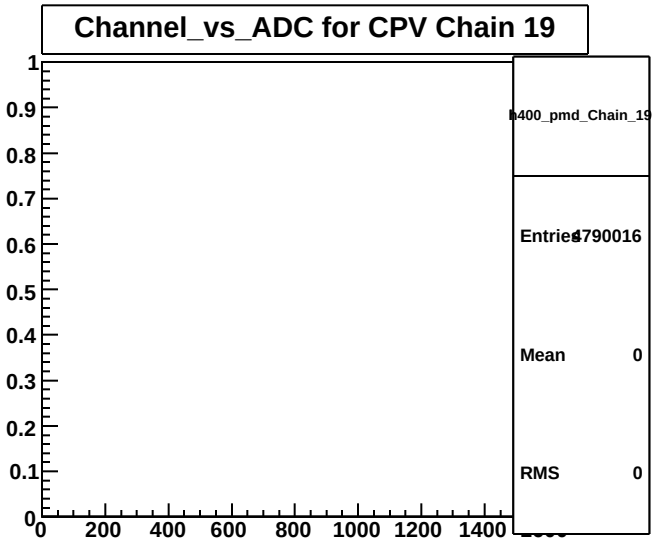

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 4790016
Mean 0
RMS 0

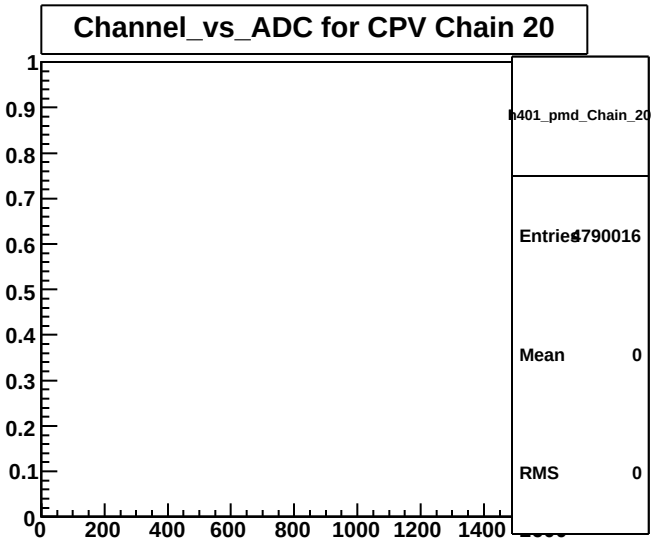

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 4790016
Mean 0
RMS 0

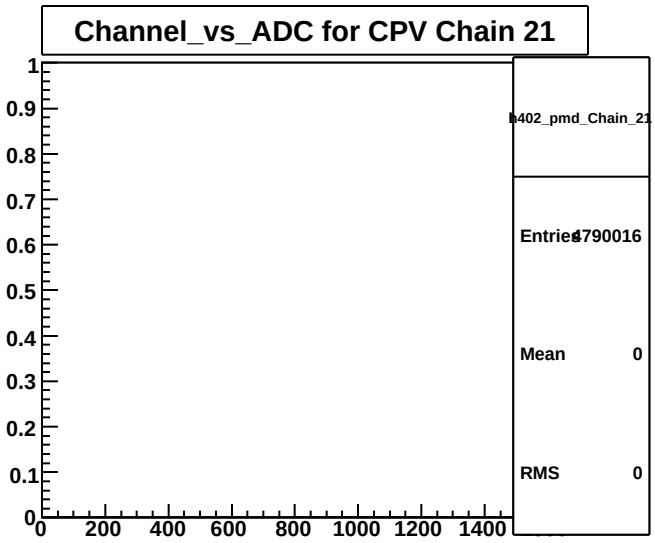

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 4790016
Mean 0
RMS 0

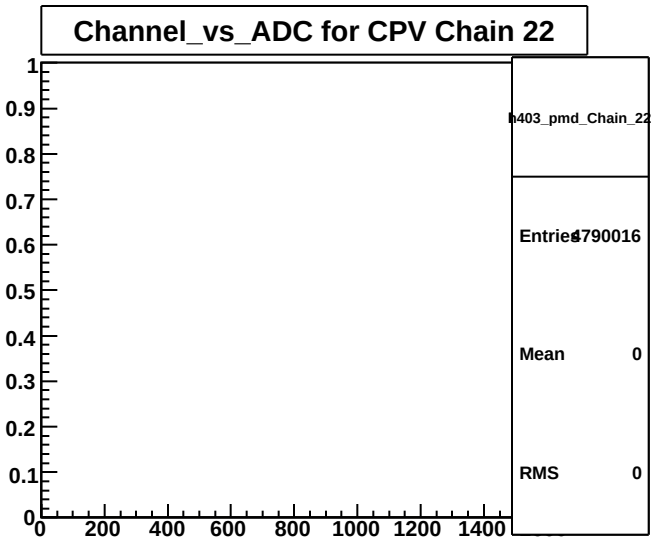

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 4790016
Mean 0
RMS 0

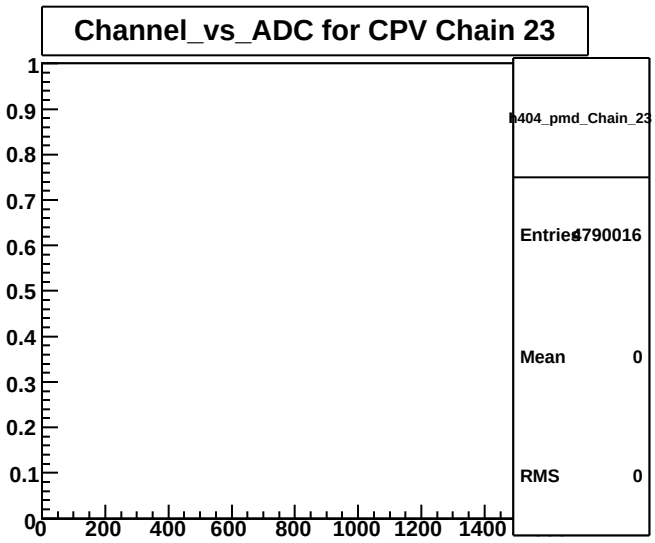

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 4790016
Mean 0
RMS 0

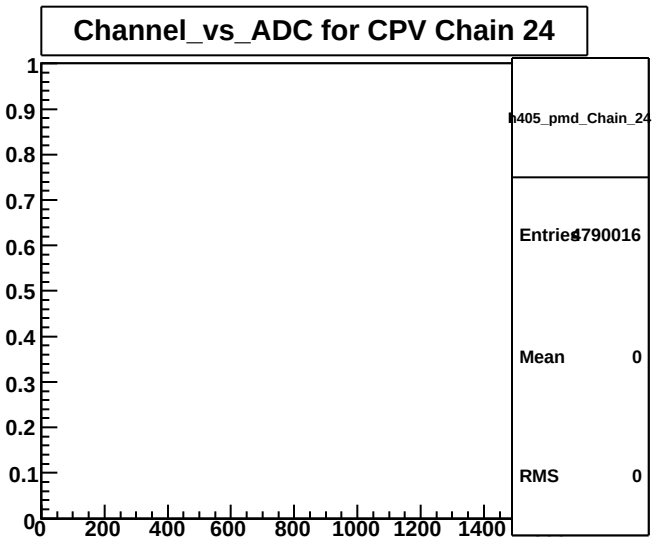

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 4790016
Mean 0
RMS 0

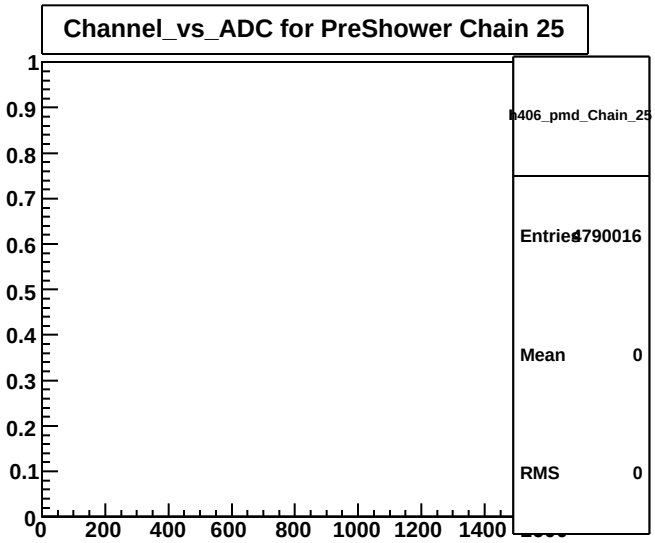

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 4790016
Mean 0
RMS 0

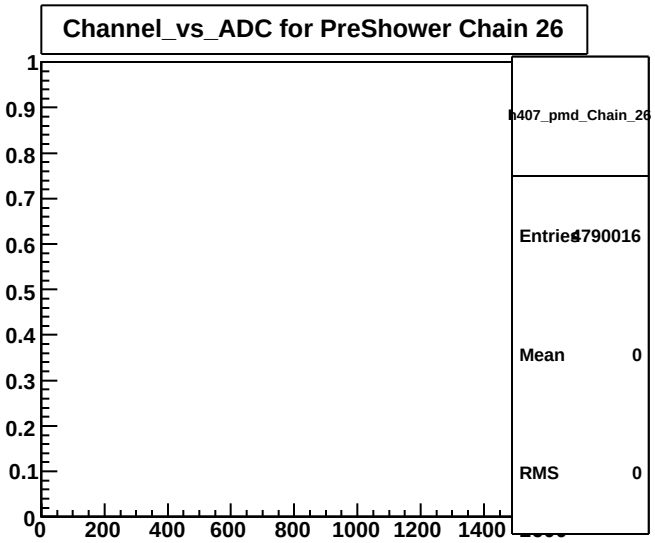

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 4790016
Mean 0
RMS 0

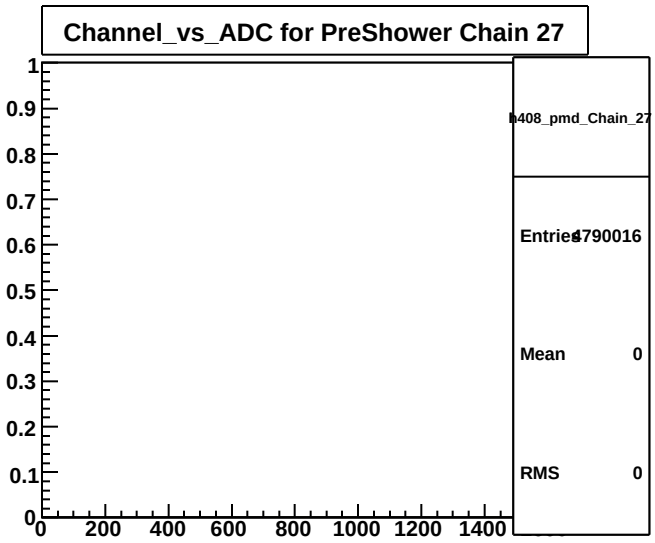

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 4790016
Mean 0
RMS 0

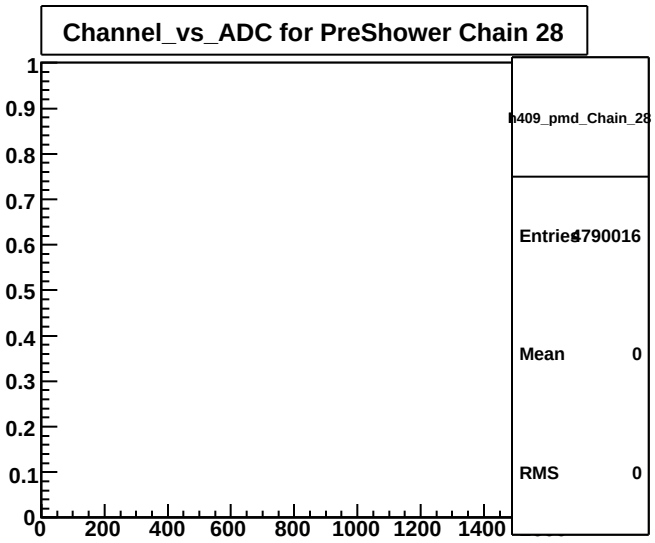

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 4790016
Mean 0
RMS 0

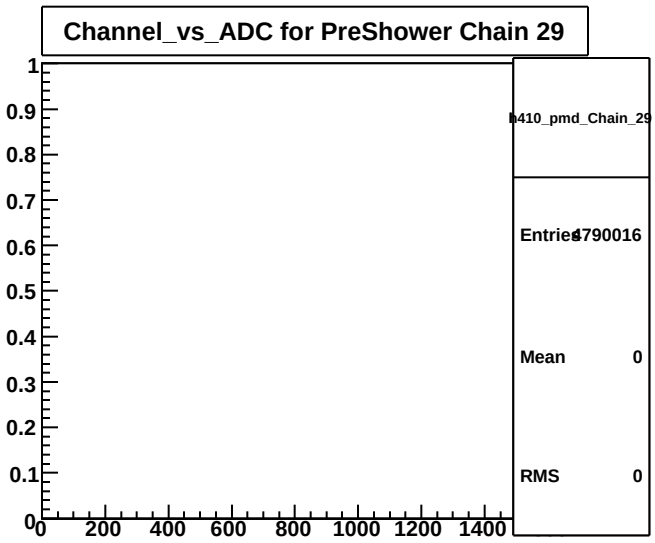

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 4790016
Mean 0
RMS 0

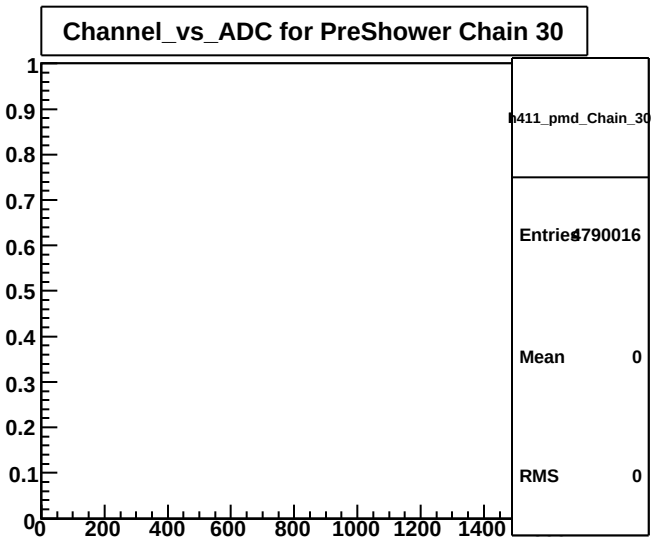

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 4790016
Mean 0
RMS 0

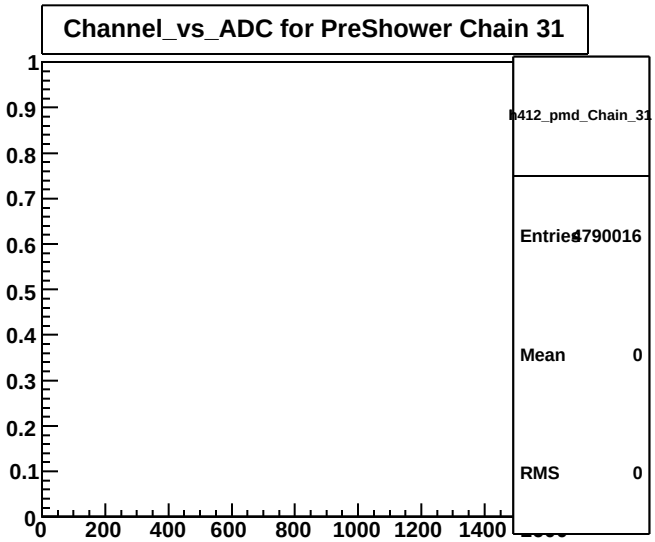

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 4790016
Mean 0
RMS 0

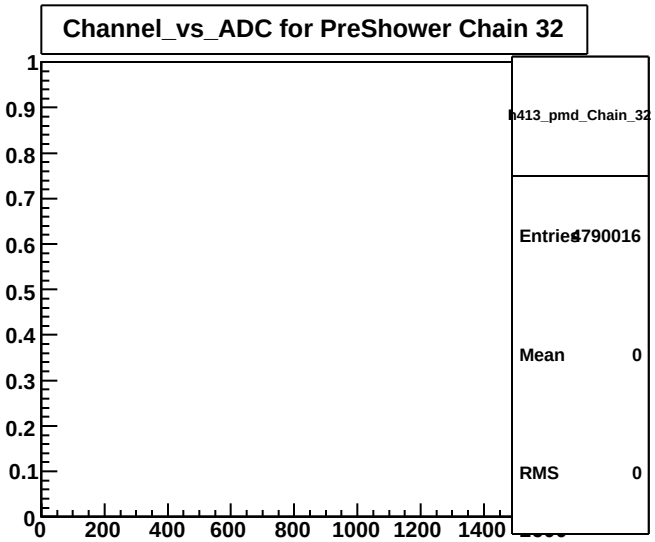

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 4790016
Mean 0
RMS 0

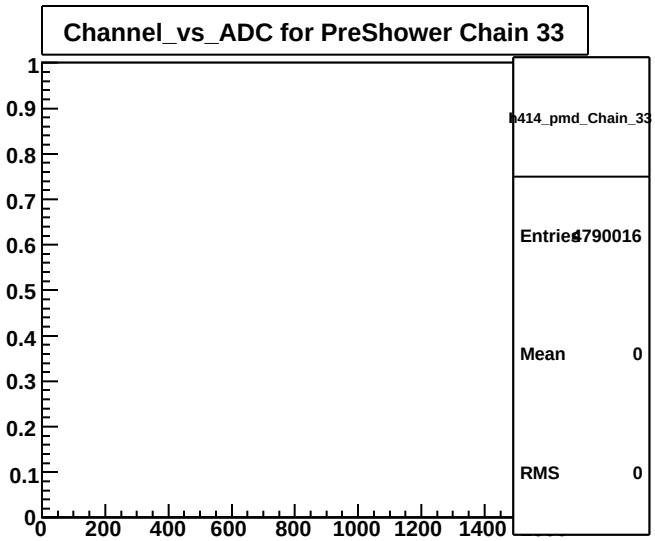

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 4790016
Mean 0
RMS 0

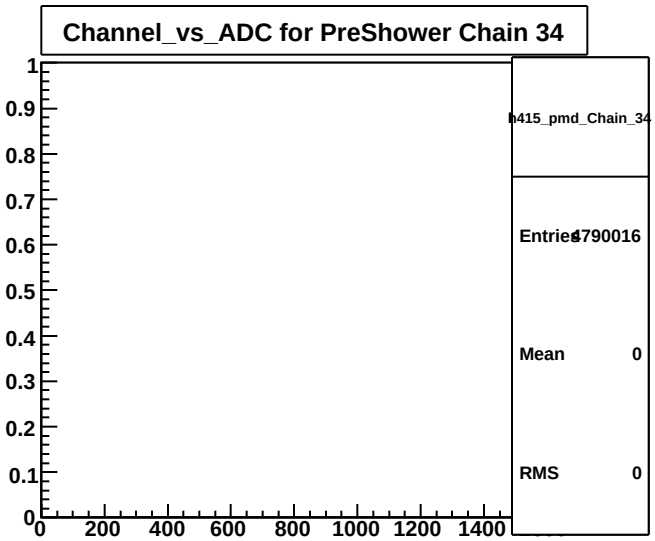

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 4790016
Mean 0
RMS 0

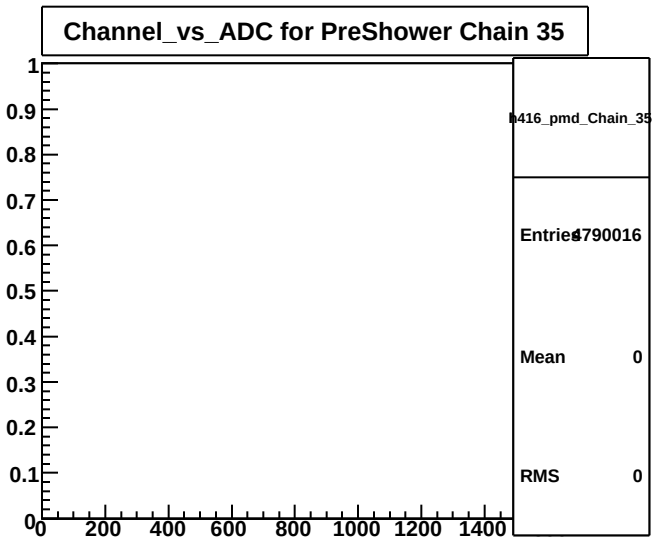

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 4790016
Mean 0
RMS 0

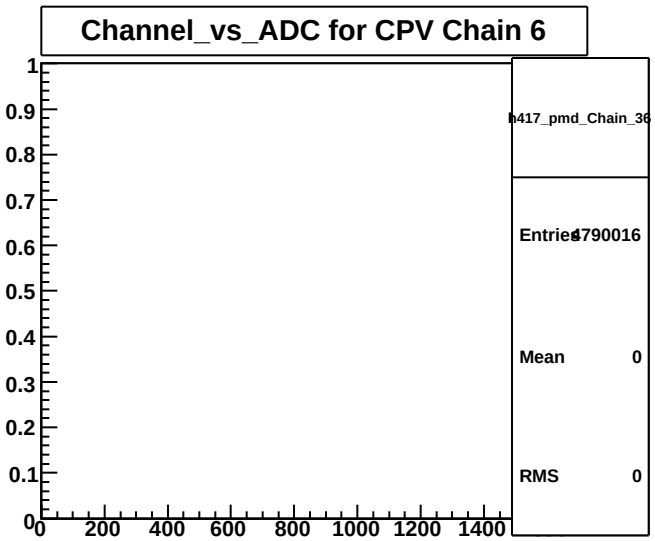

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 4790016
Mean 0
RMS 0

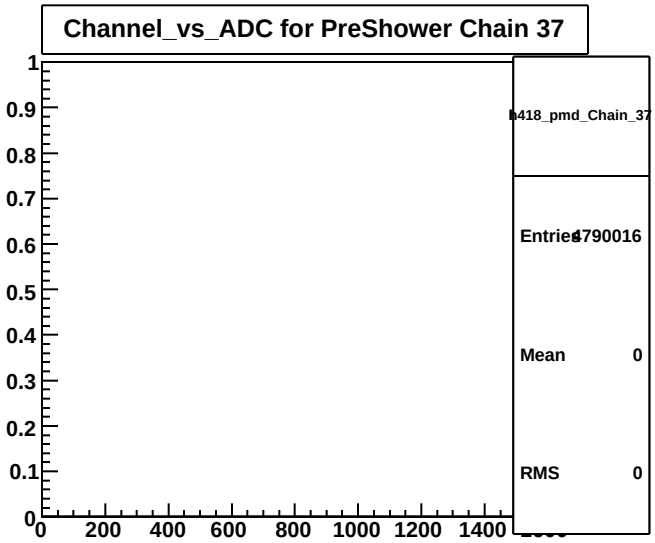

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 4790016
Mean 0
RMS 0

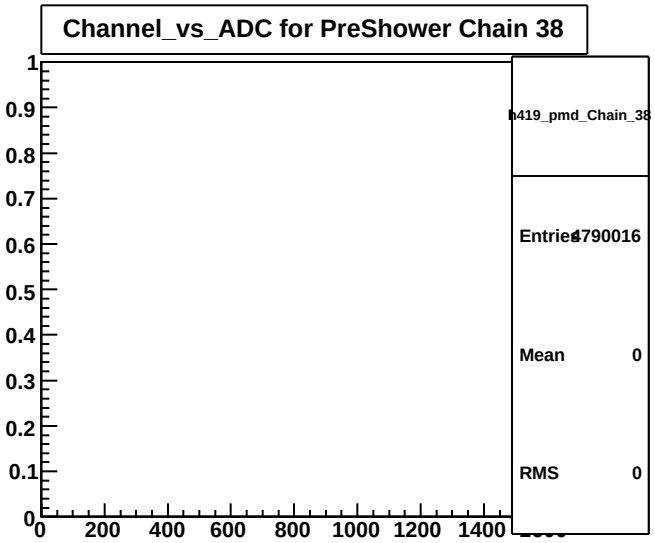

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 4790016
Mean 0
RMS 0

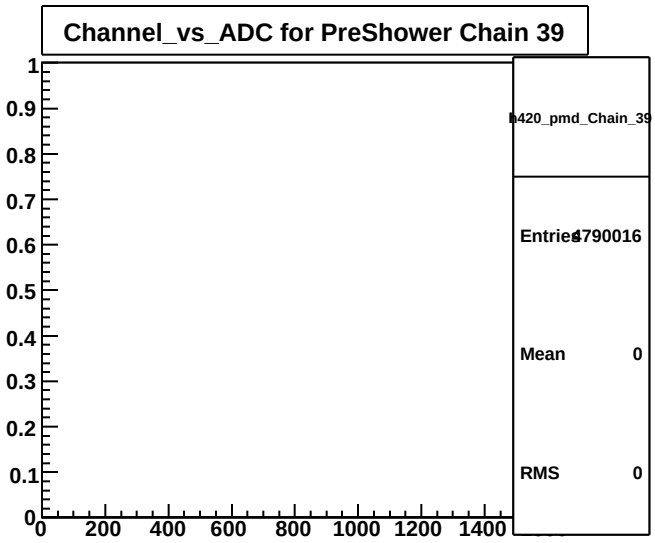

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 4790016
Mean 0
RMS 0

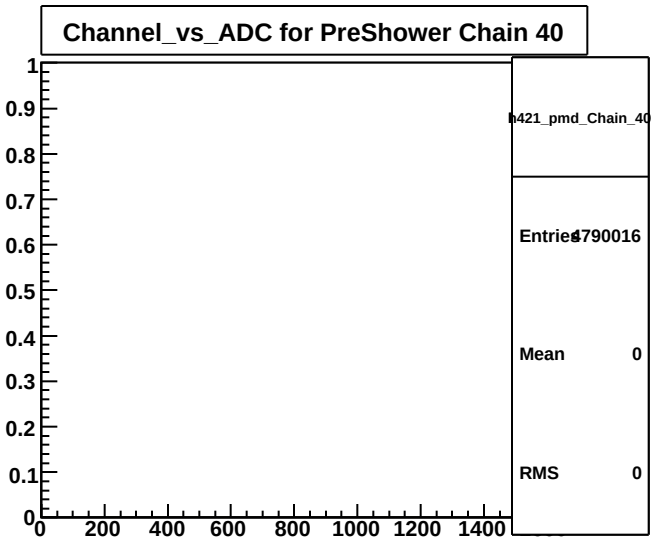

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 4790016
Mean 0
RMS 0

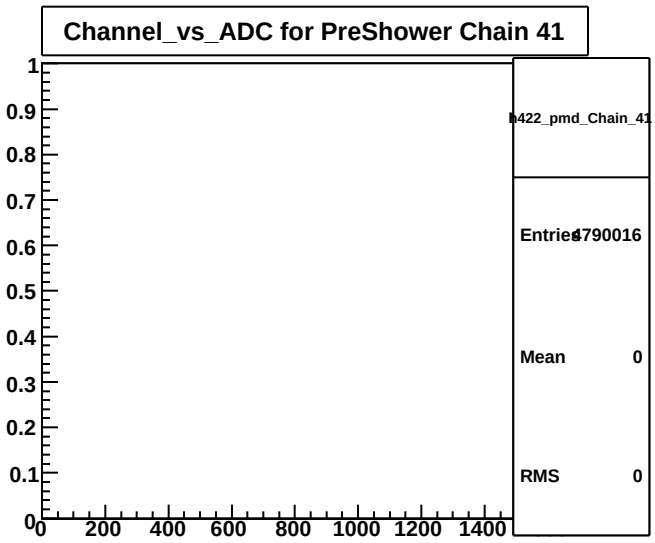

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 4790016
Mean 0
RMS 0

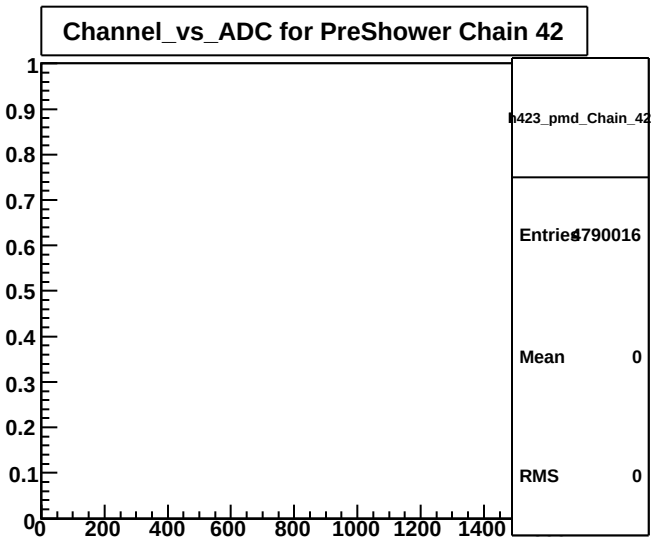

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 4790016
Mean 0
RMS 0

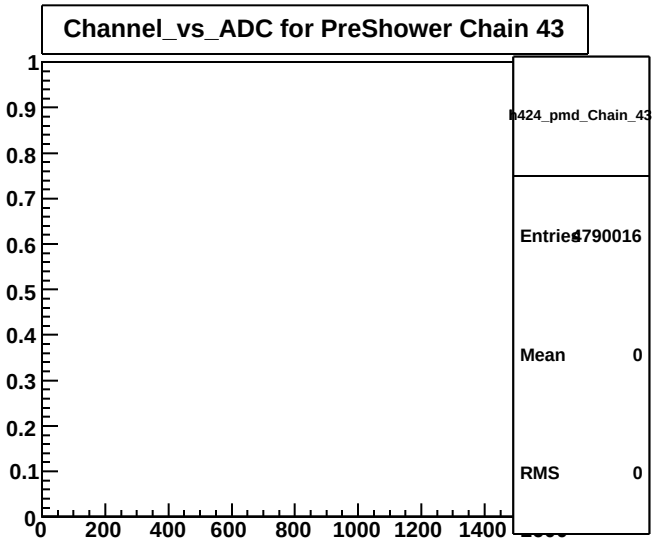

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 4790016
Mean 0
RMS 0

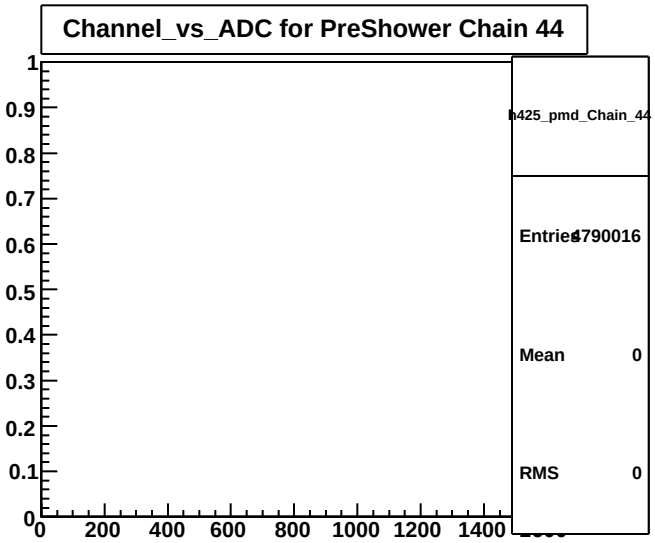

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 4790016
Mean 0
RMS 0

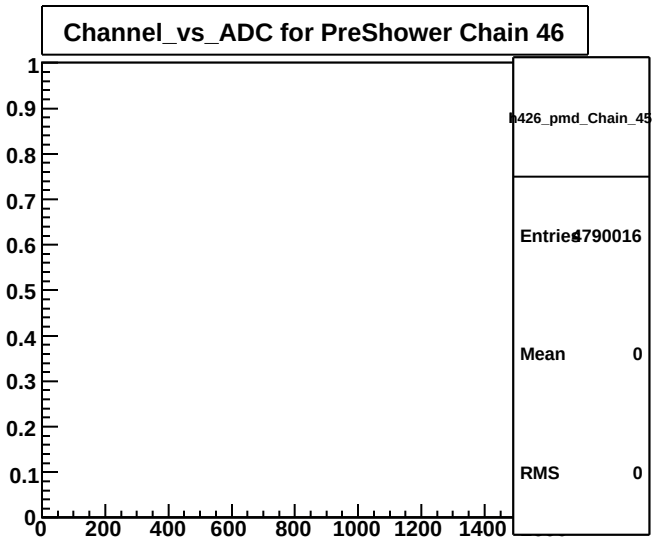

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 4790016
Mean 0
RMS 0

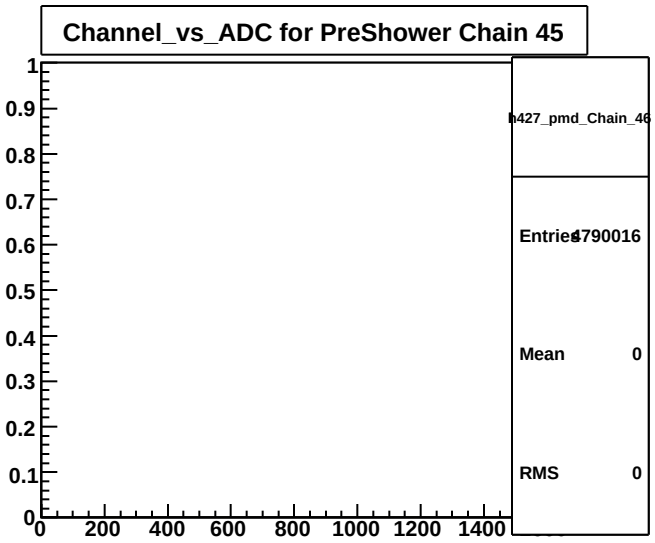

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 4790016
Mean 0
RMS 0

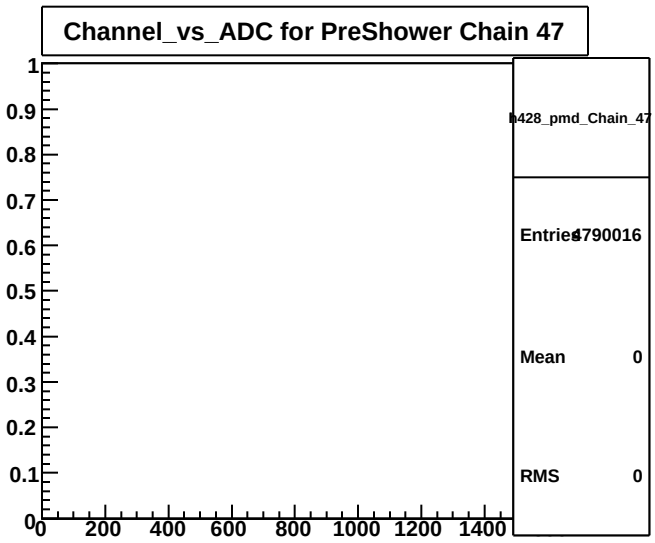

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 4790016
Mean 0
RMS 0

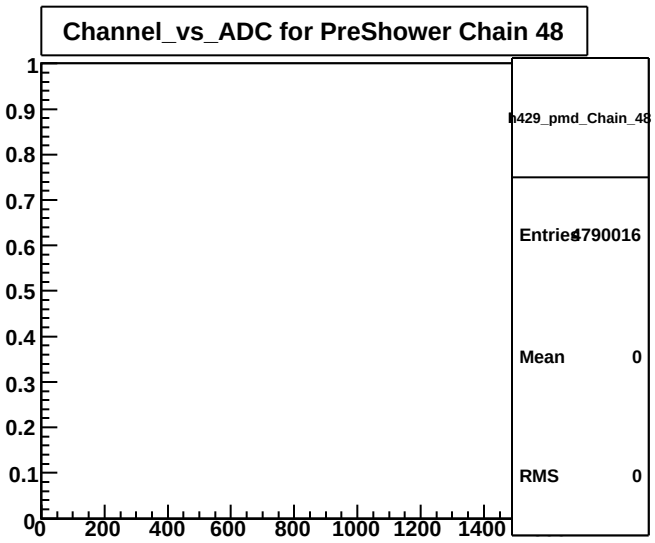

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 4790016
Mean 0
RMS 0

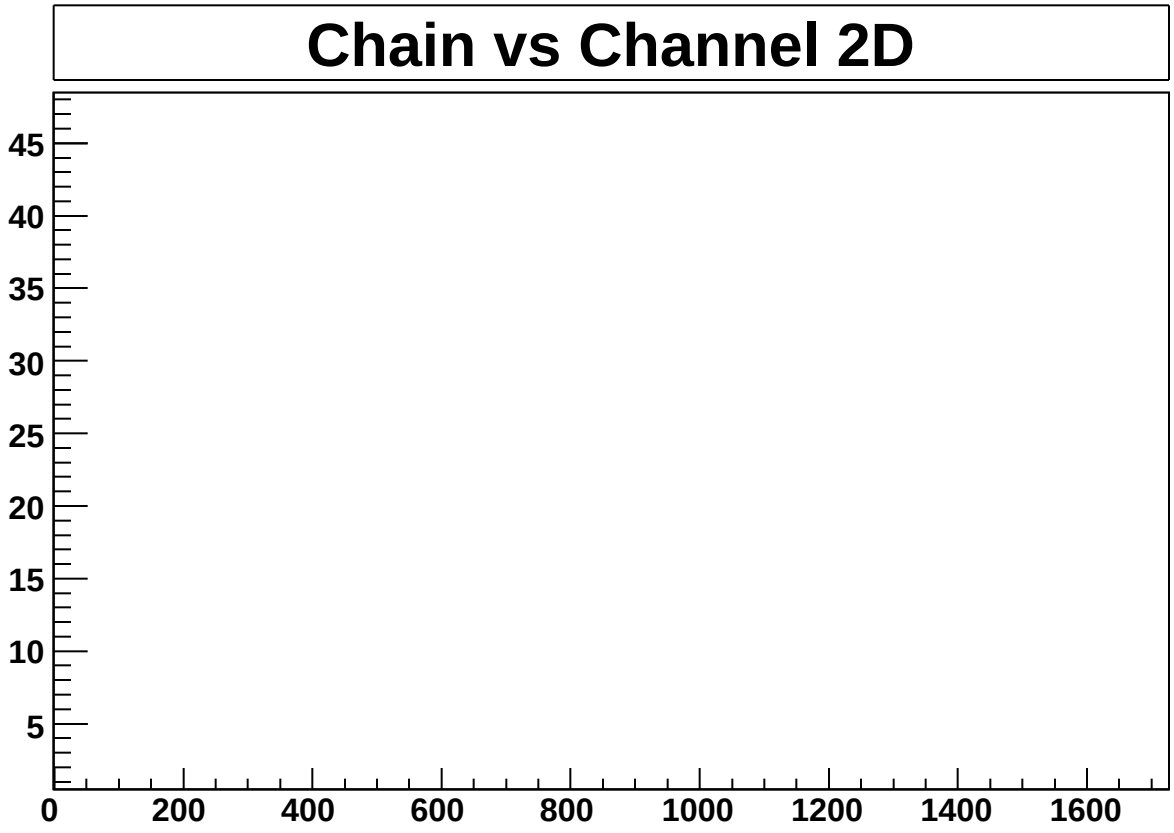

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 4790016
Mean 0
RMS 0

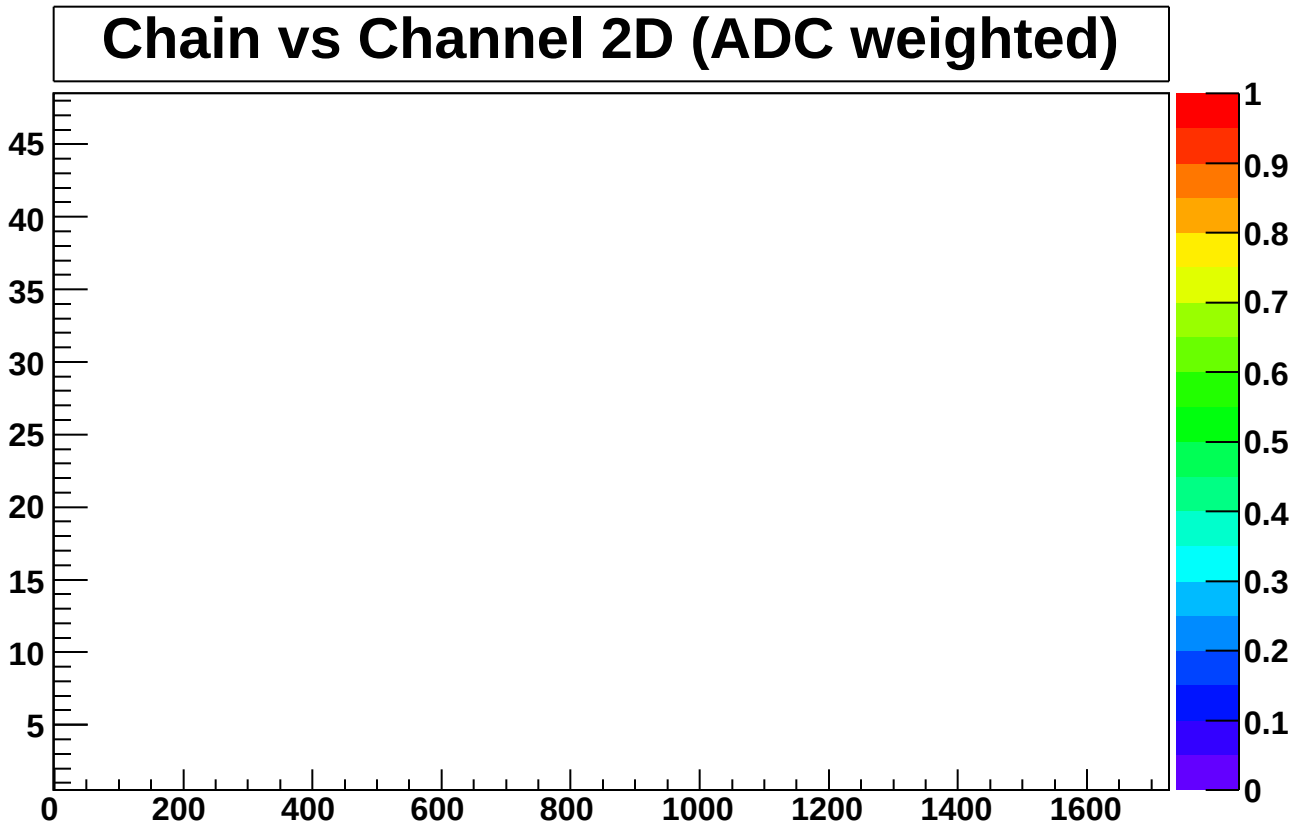

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 4790016
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 4790016
Mean 0
RMS 0

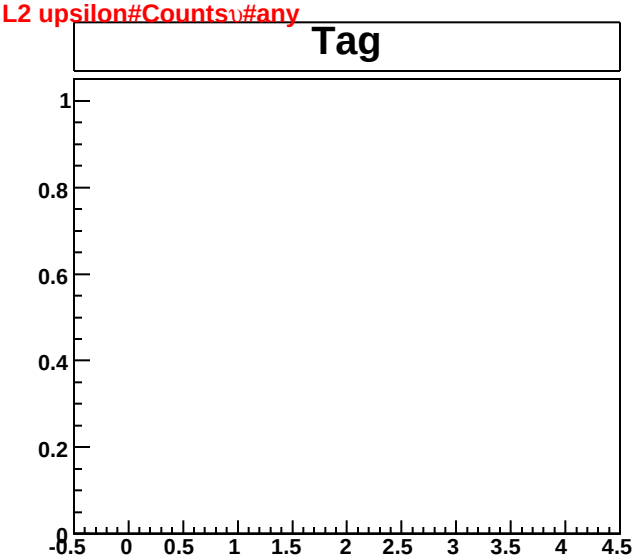

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 4790016
Mean 0
RMS 0

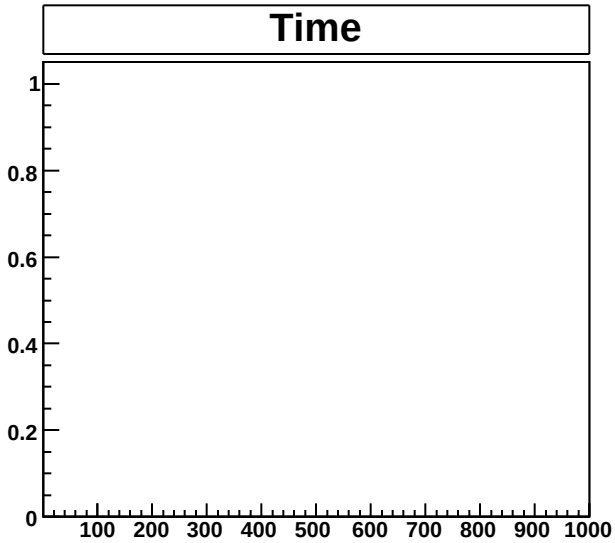

Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 4790016
Mean 0
RMS 0

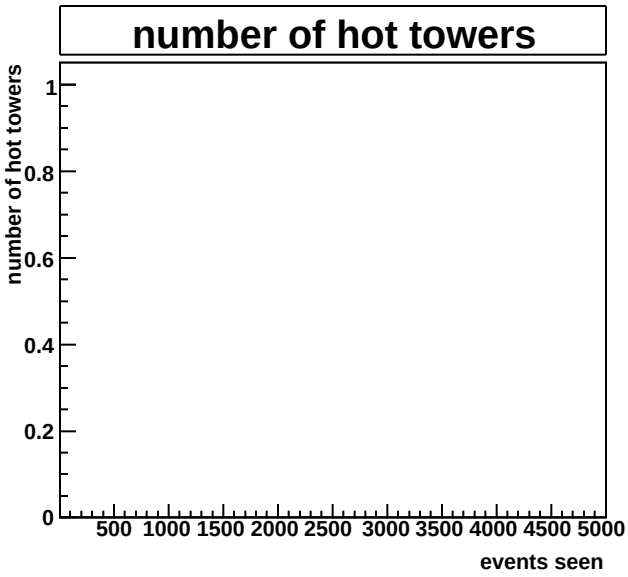

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

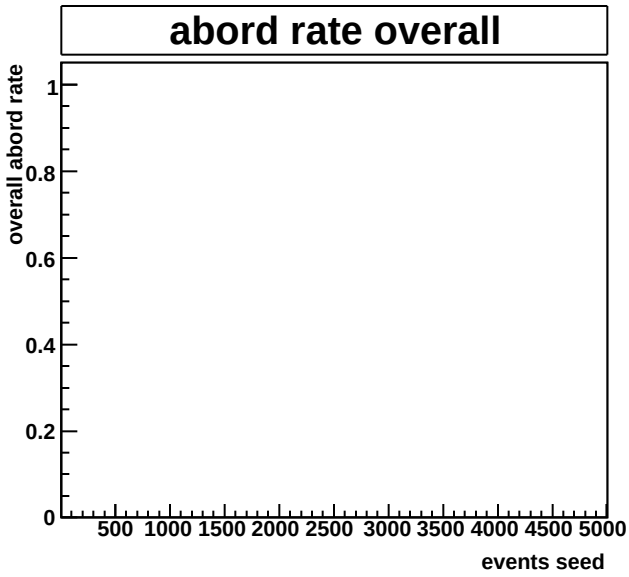

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

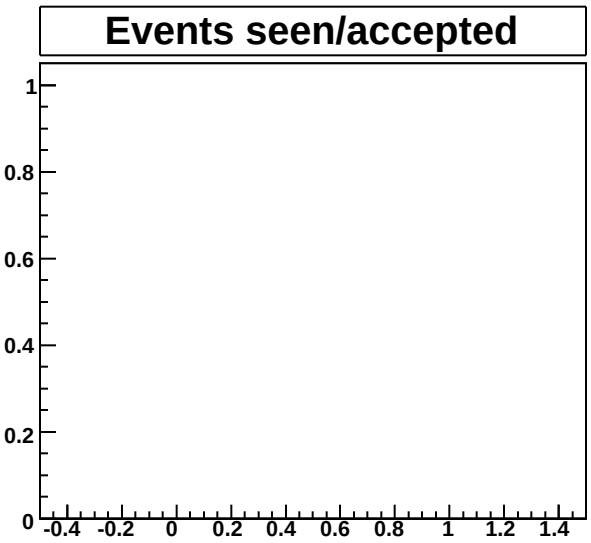
L2 upsilon#Countsυ#any

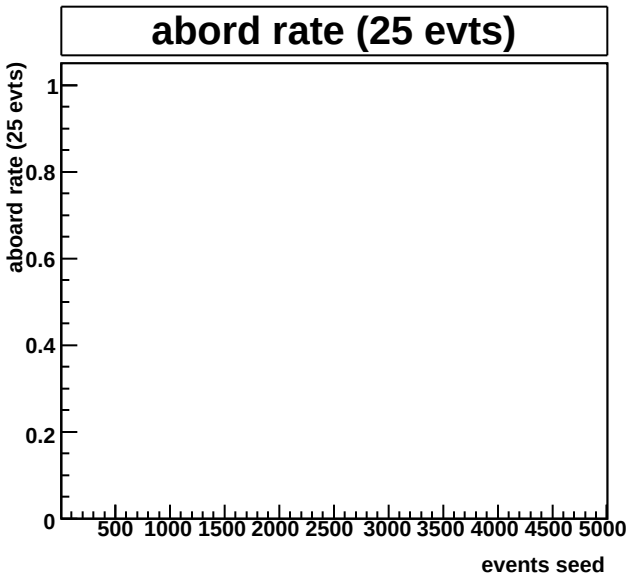




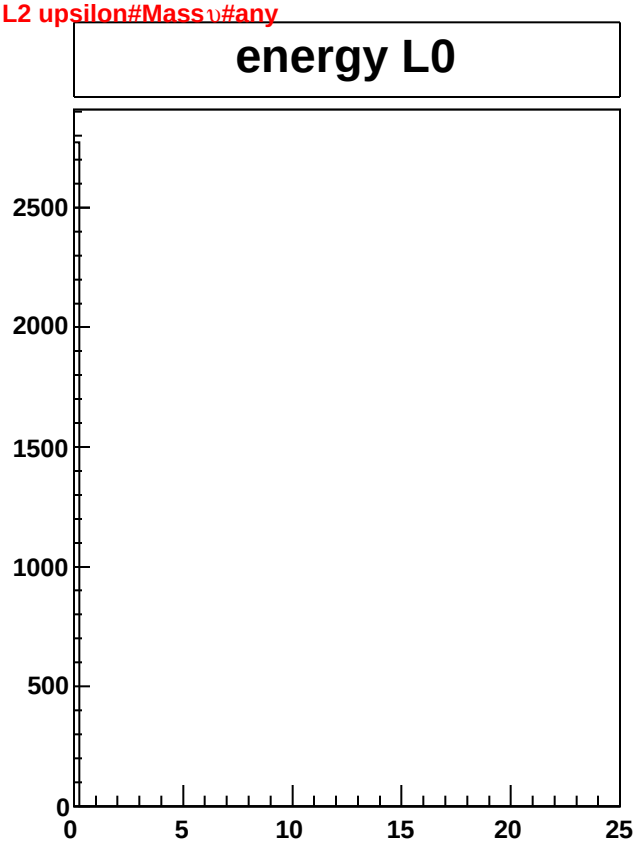


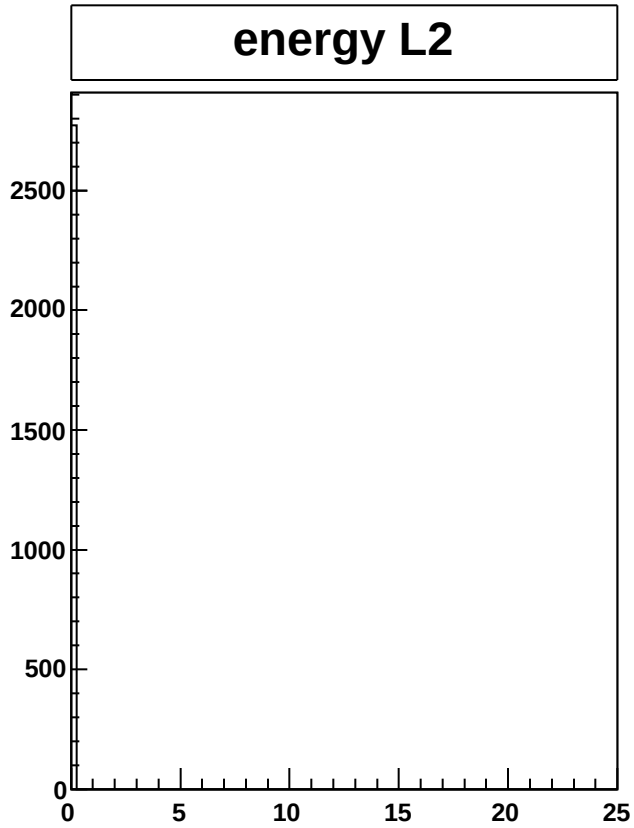


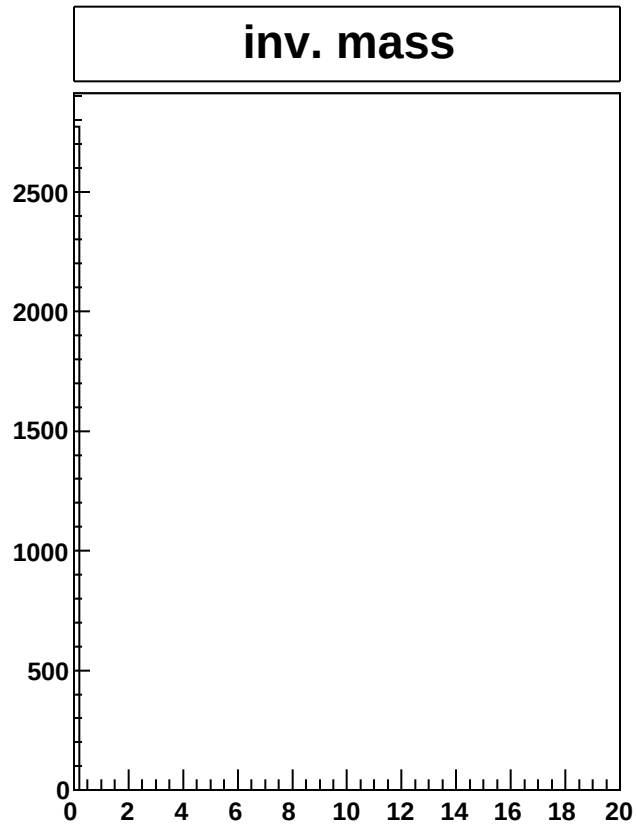


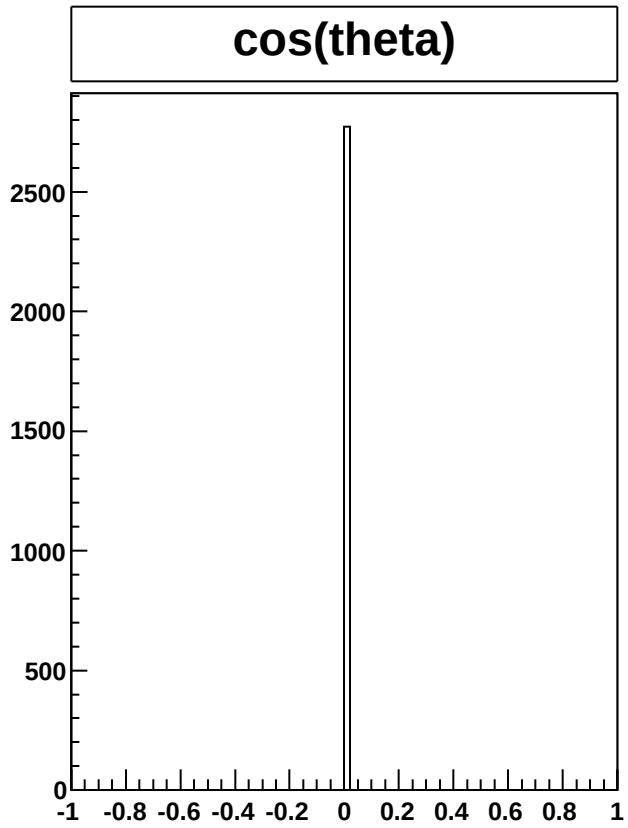


L2 upsilon#Massυ#any

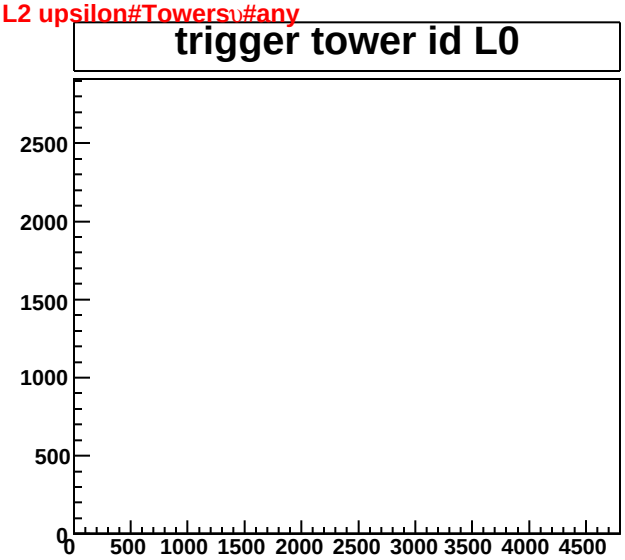


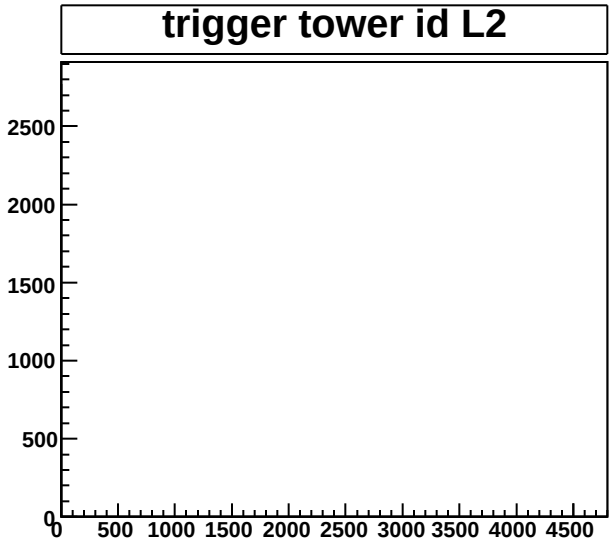


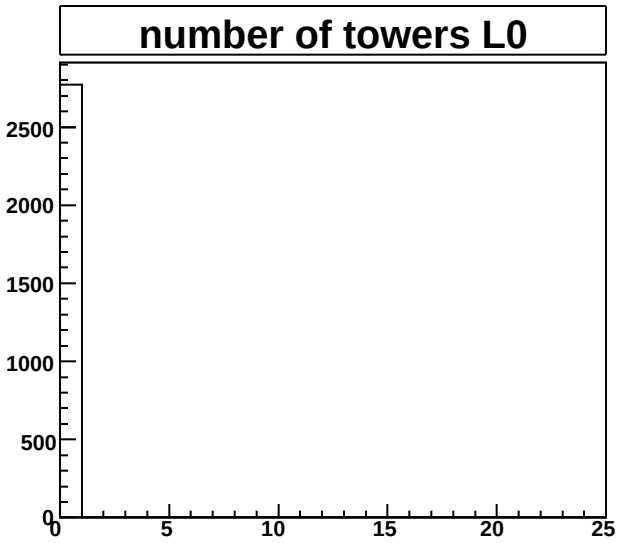


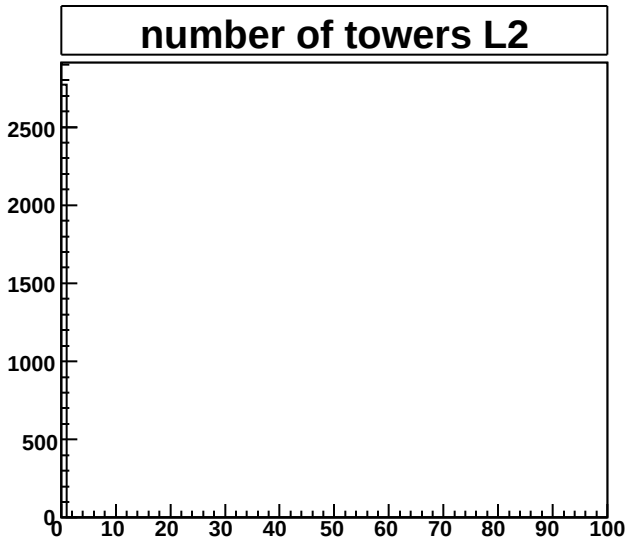


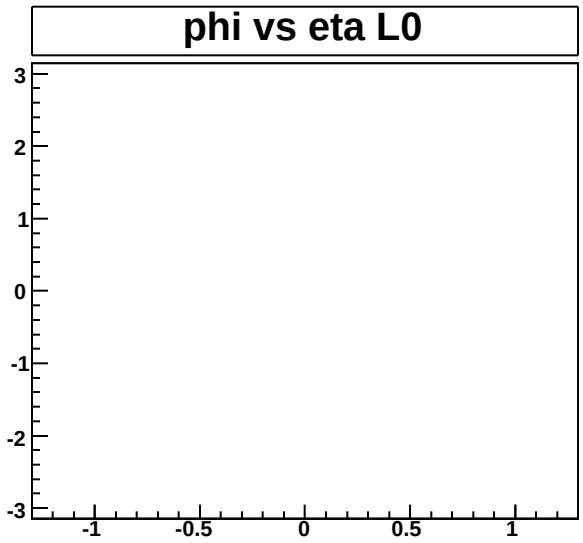
L2 upsilon#Towersυ#any

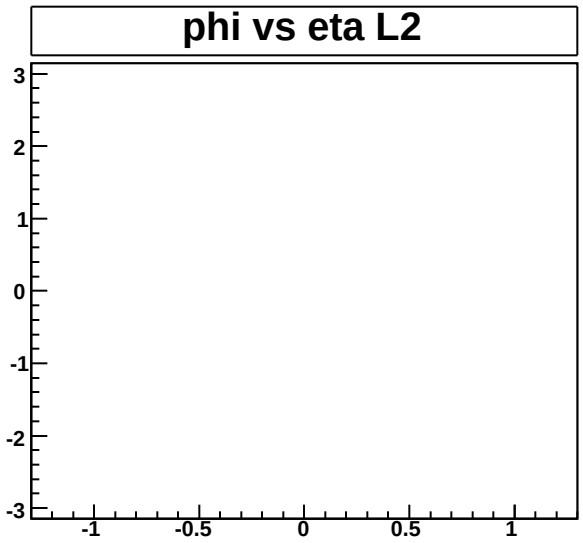






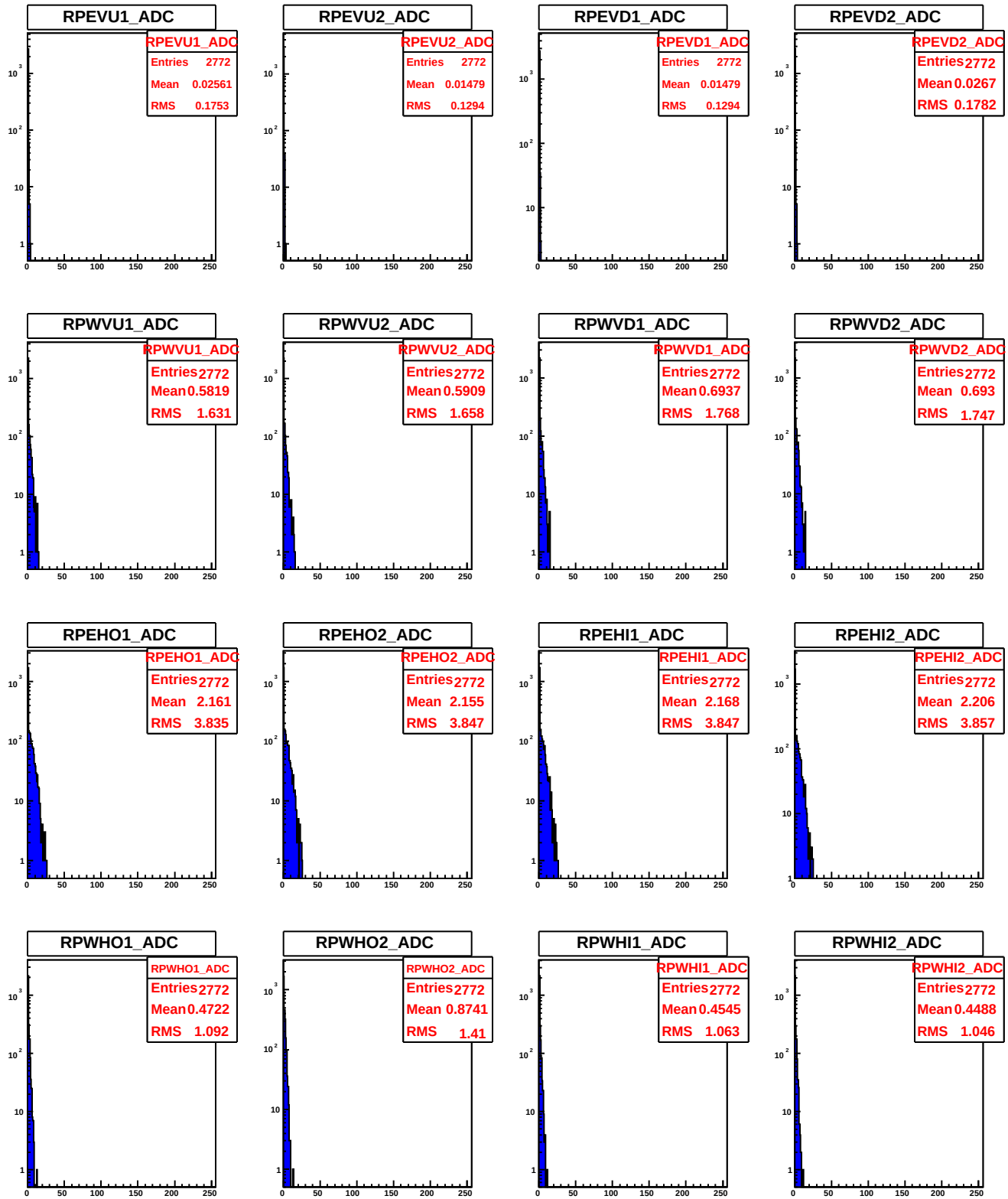






P2P#Trg1-16#any#trg

Run: #12102004



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P2P#Trg17-32#any#trg

Run: #12102004

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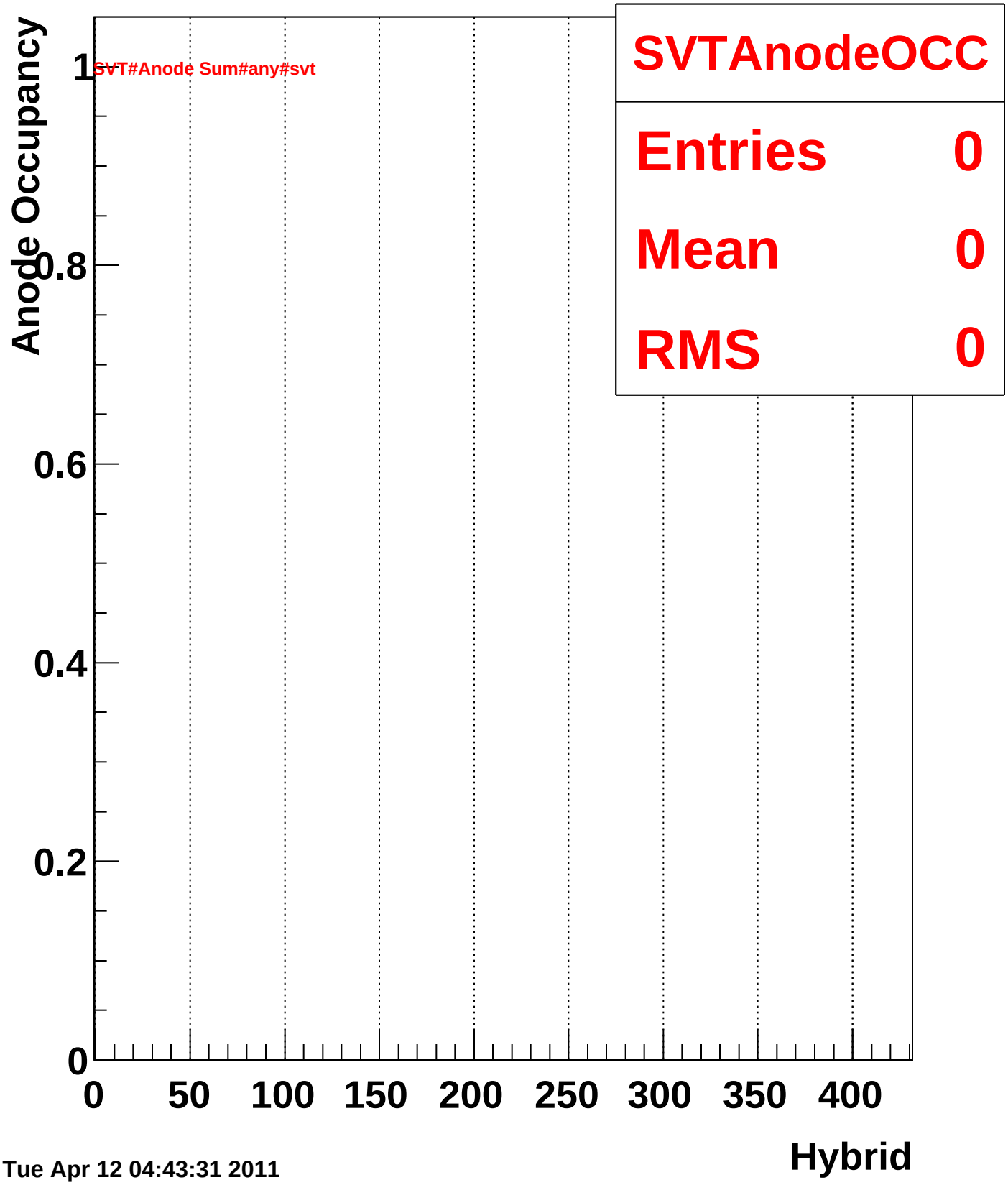

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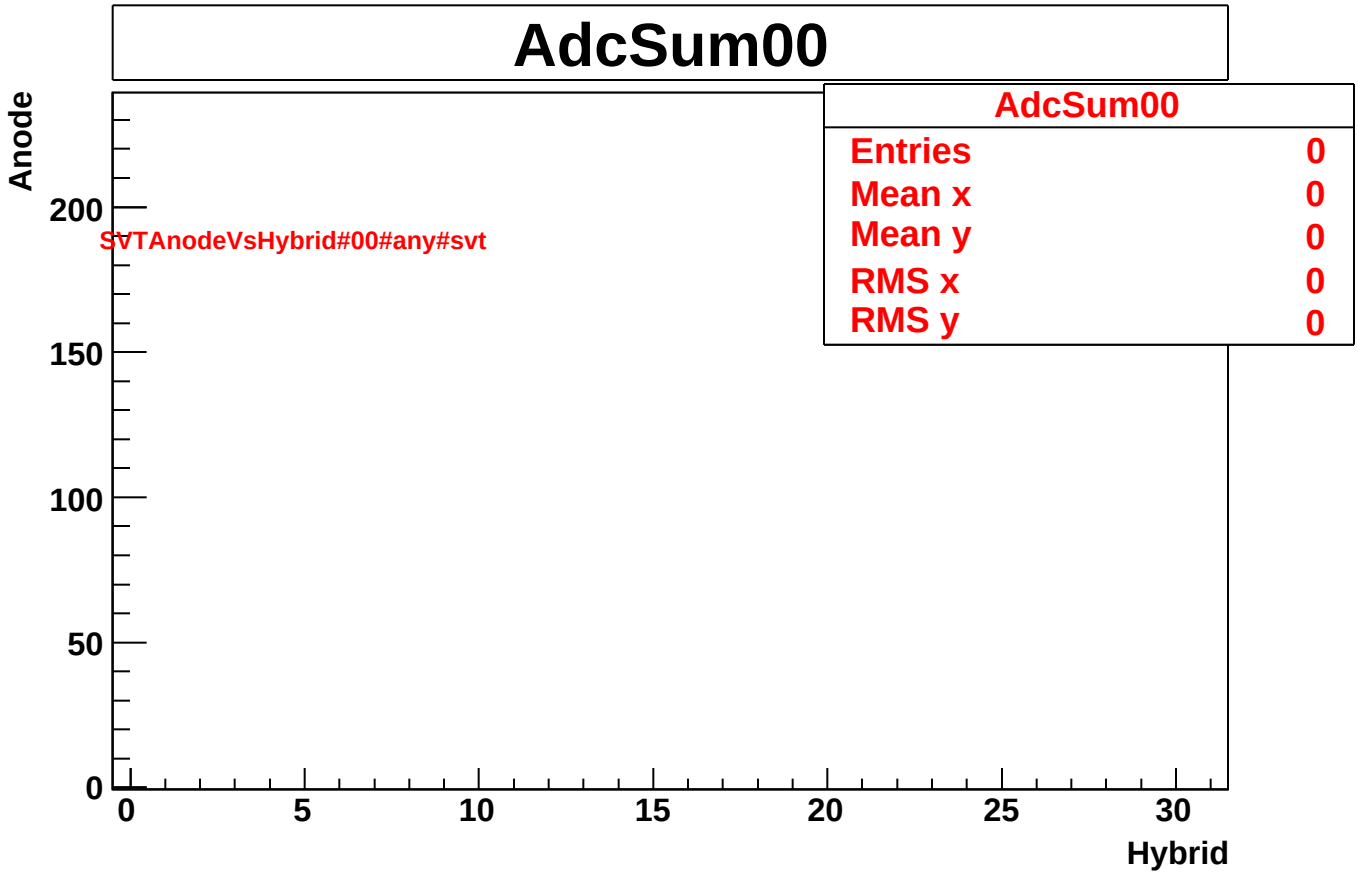
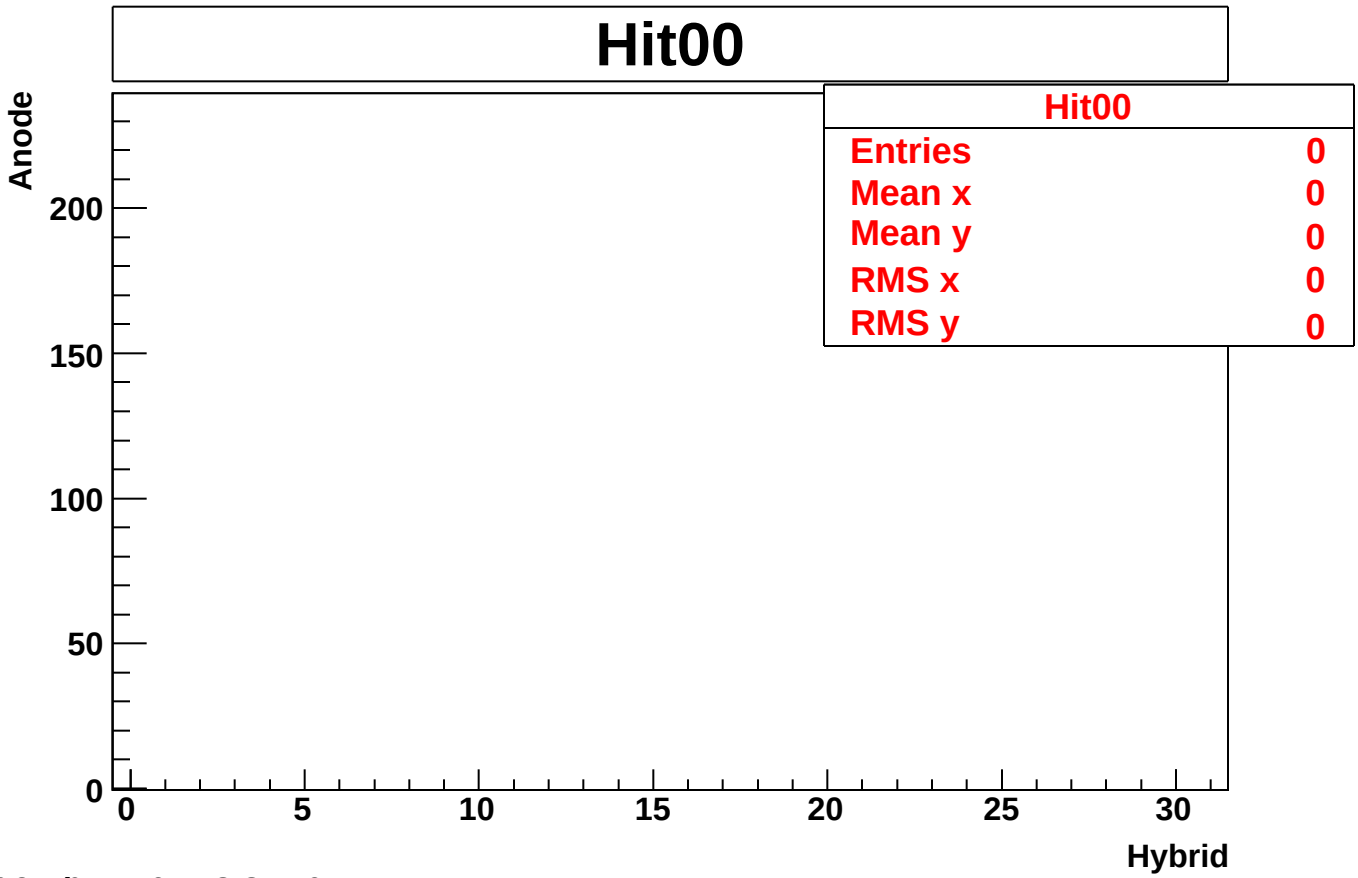
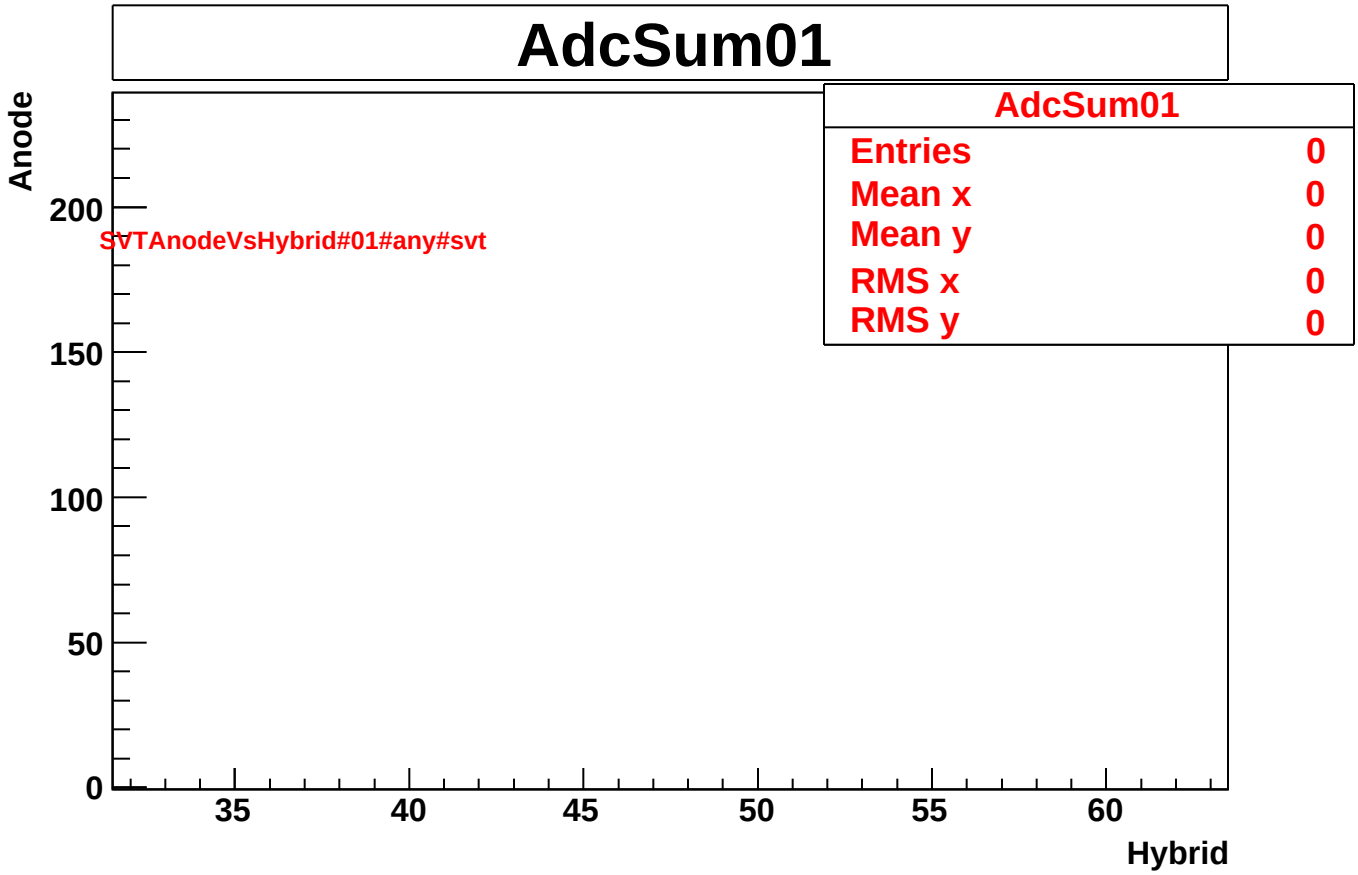
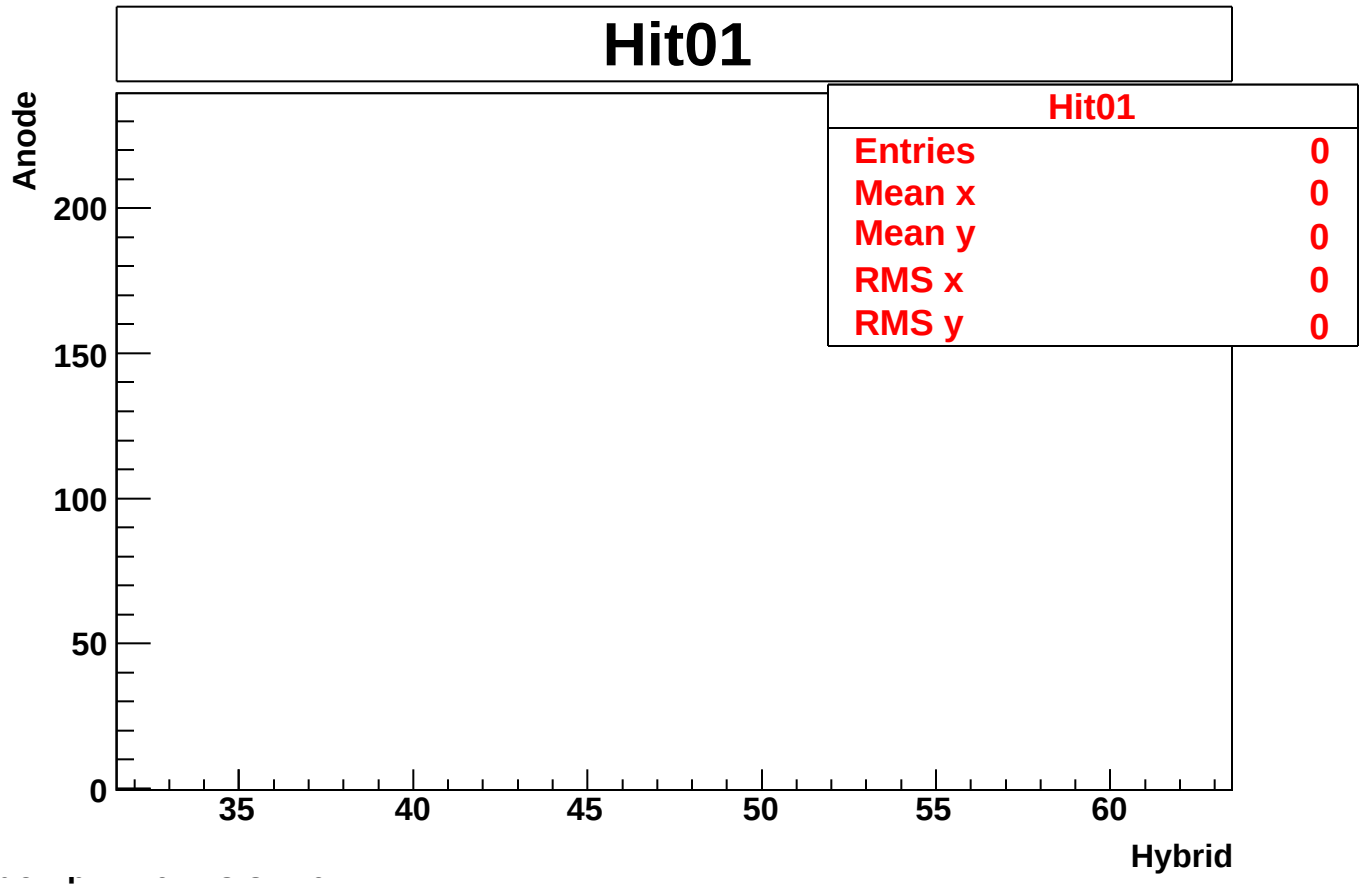
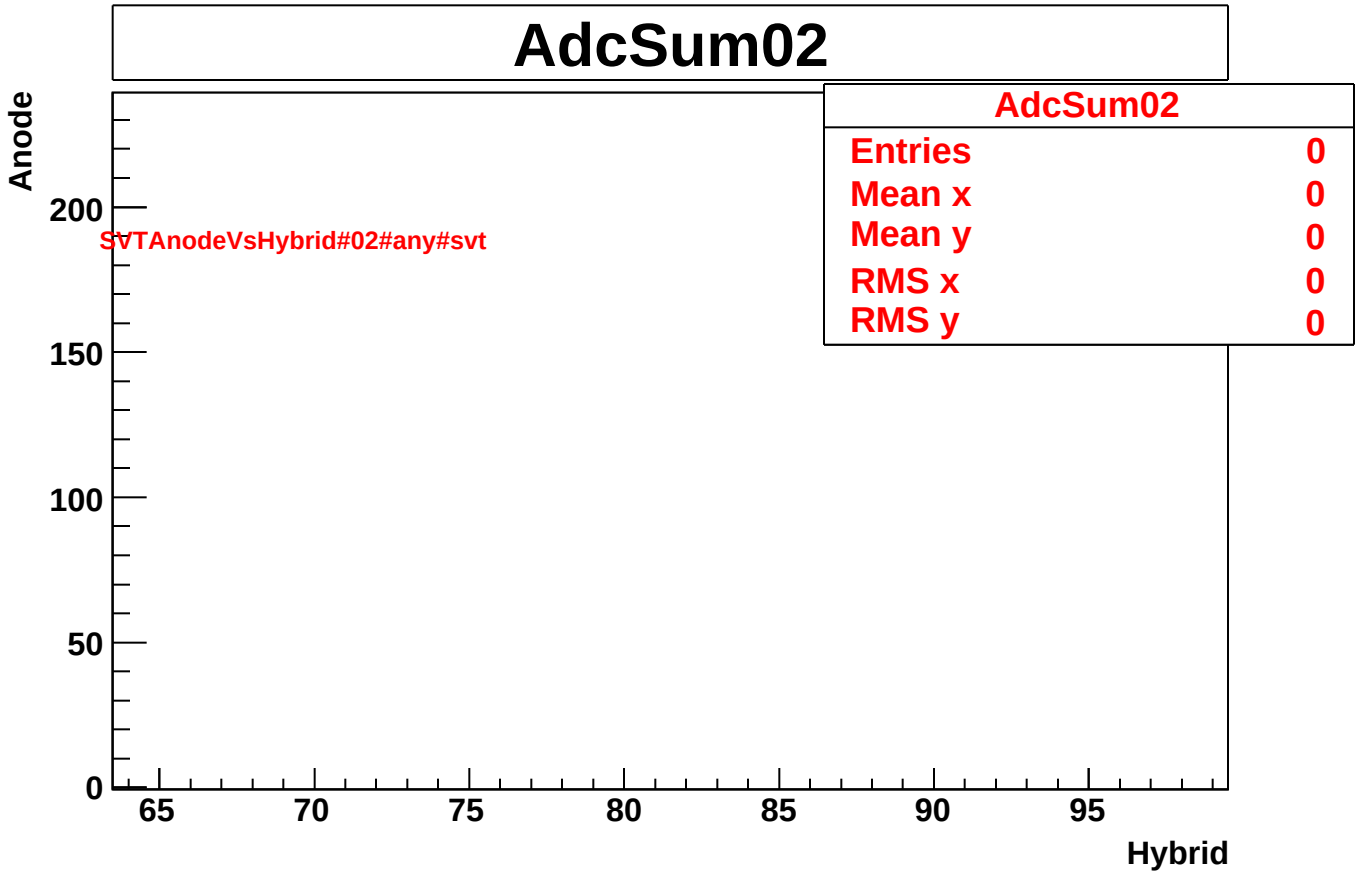
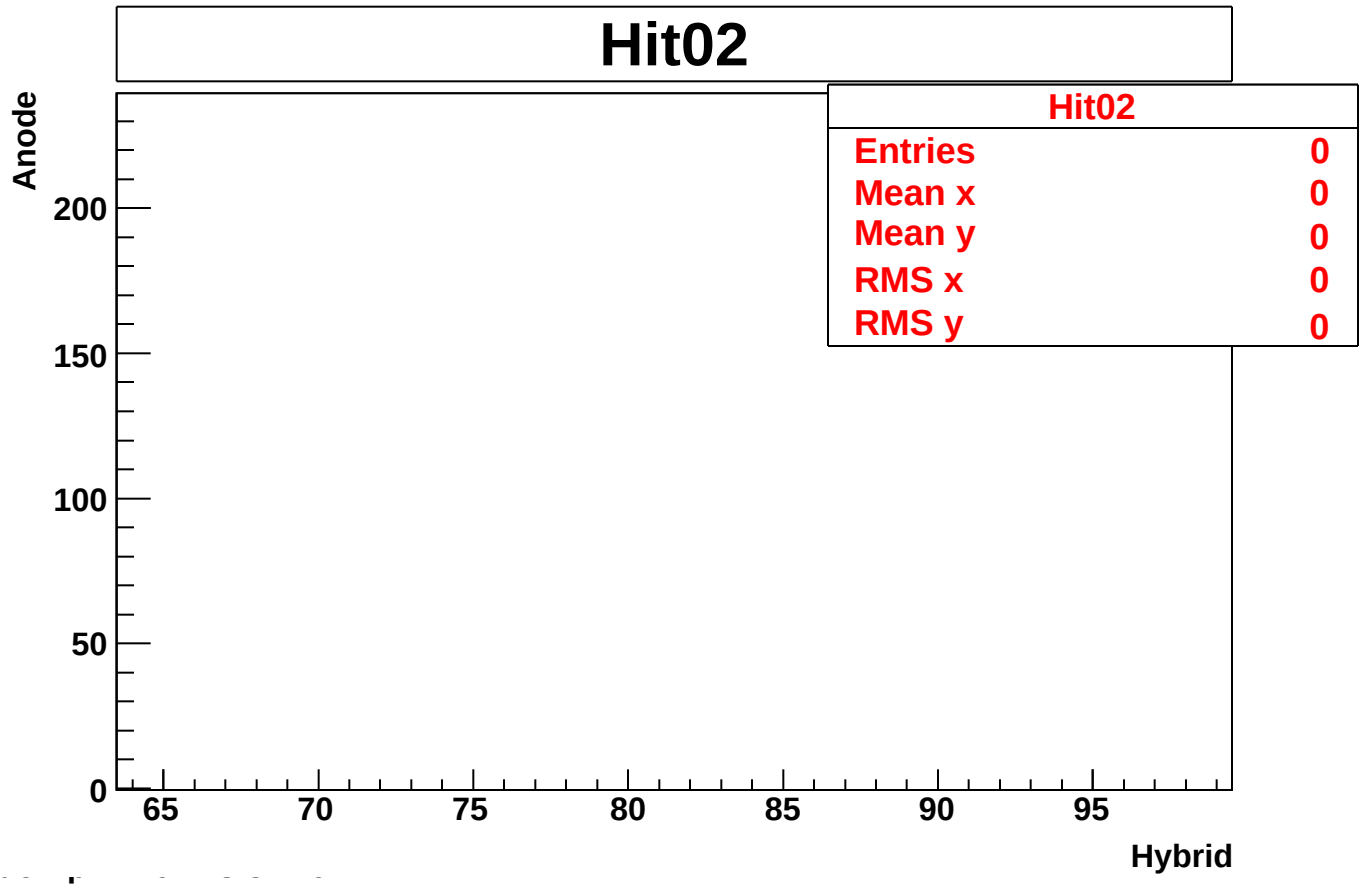

AdcSum00
AdcSum00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#00#any#svt
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

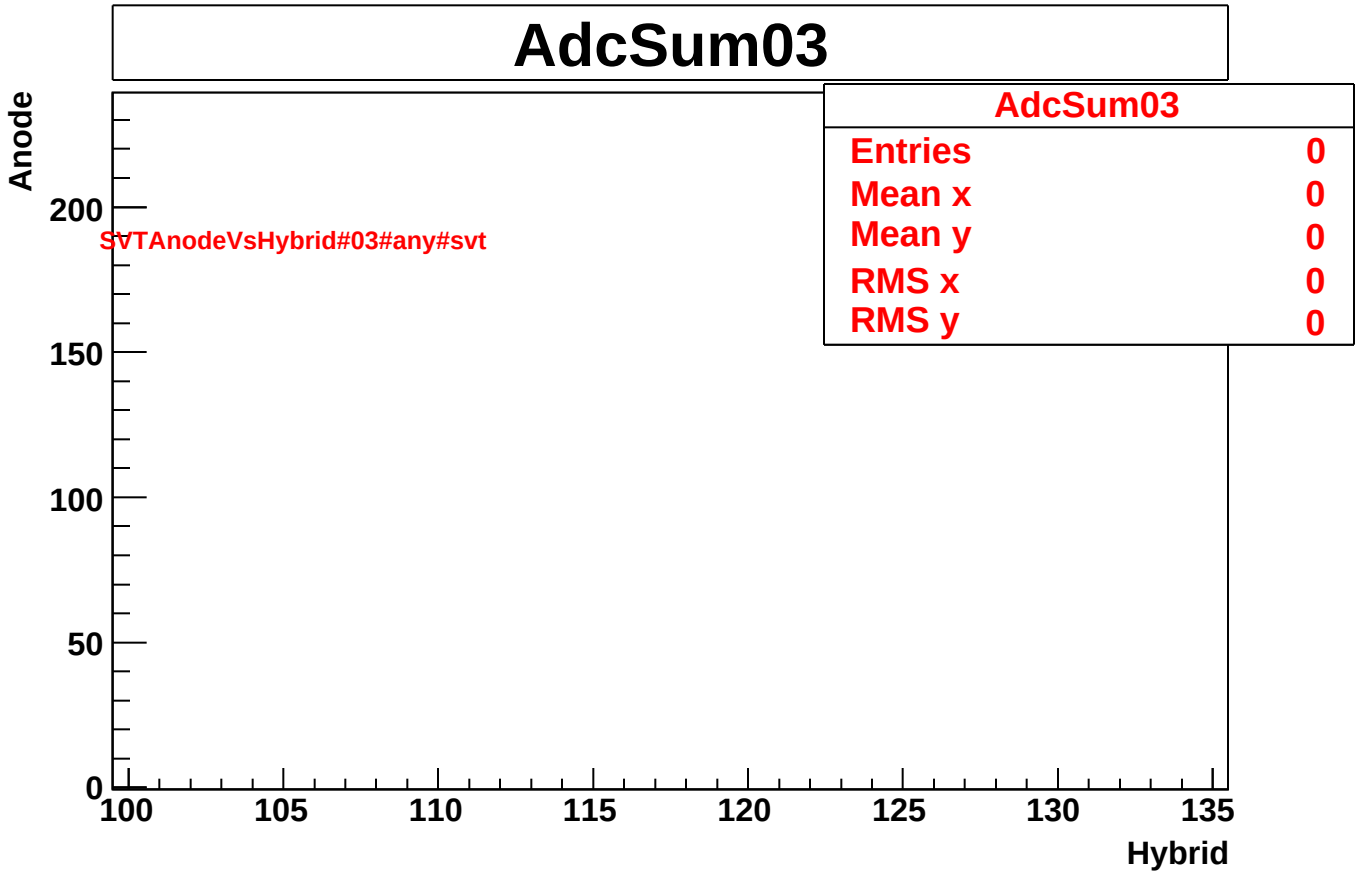

Hit00
Hit00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

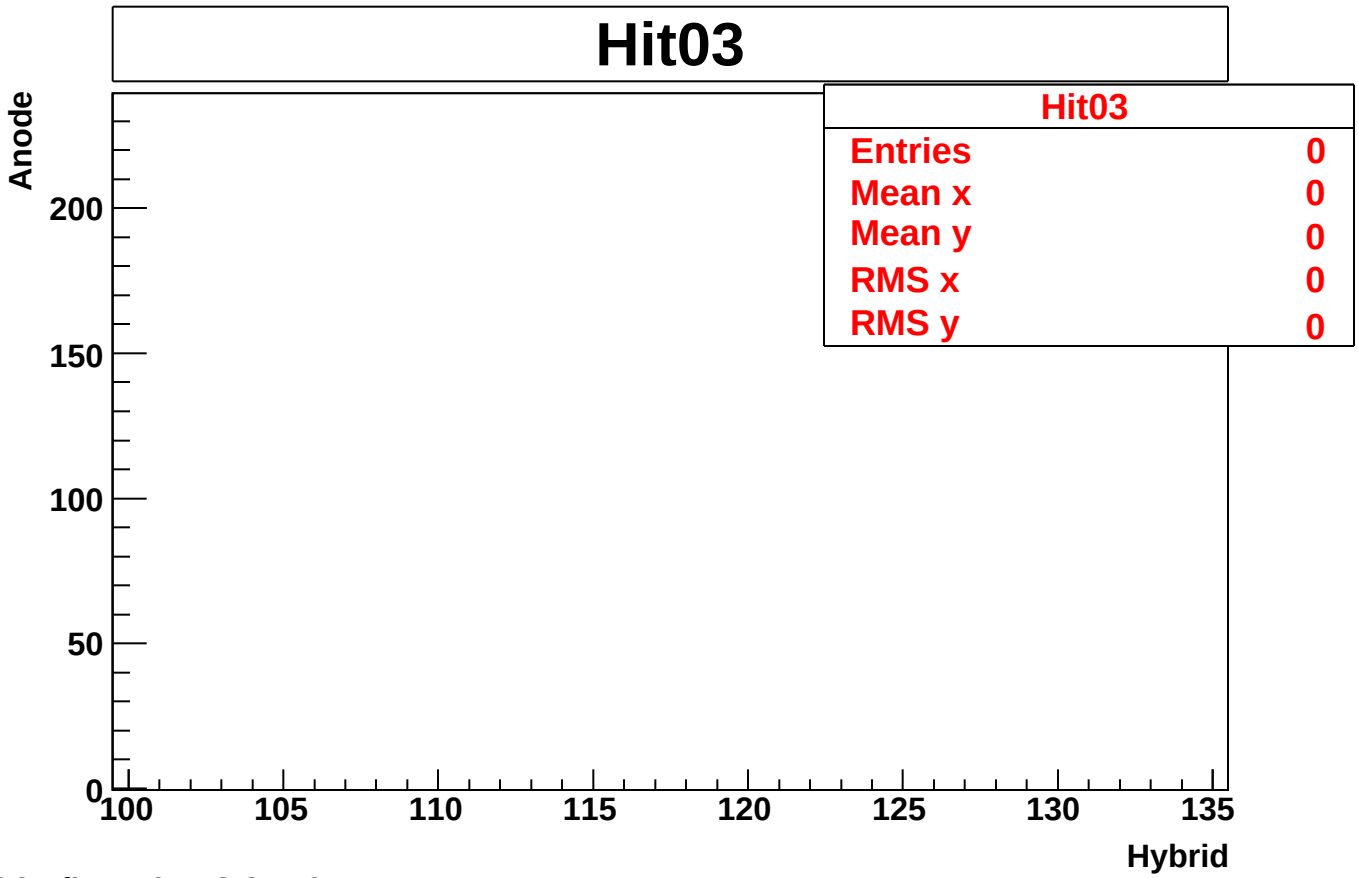

AdcSum01
AdcSum01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#01#any#svt
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

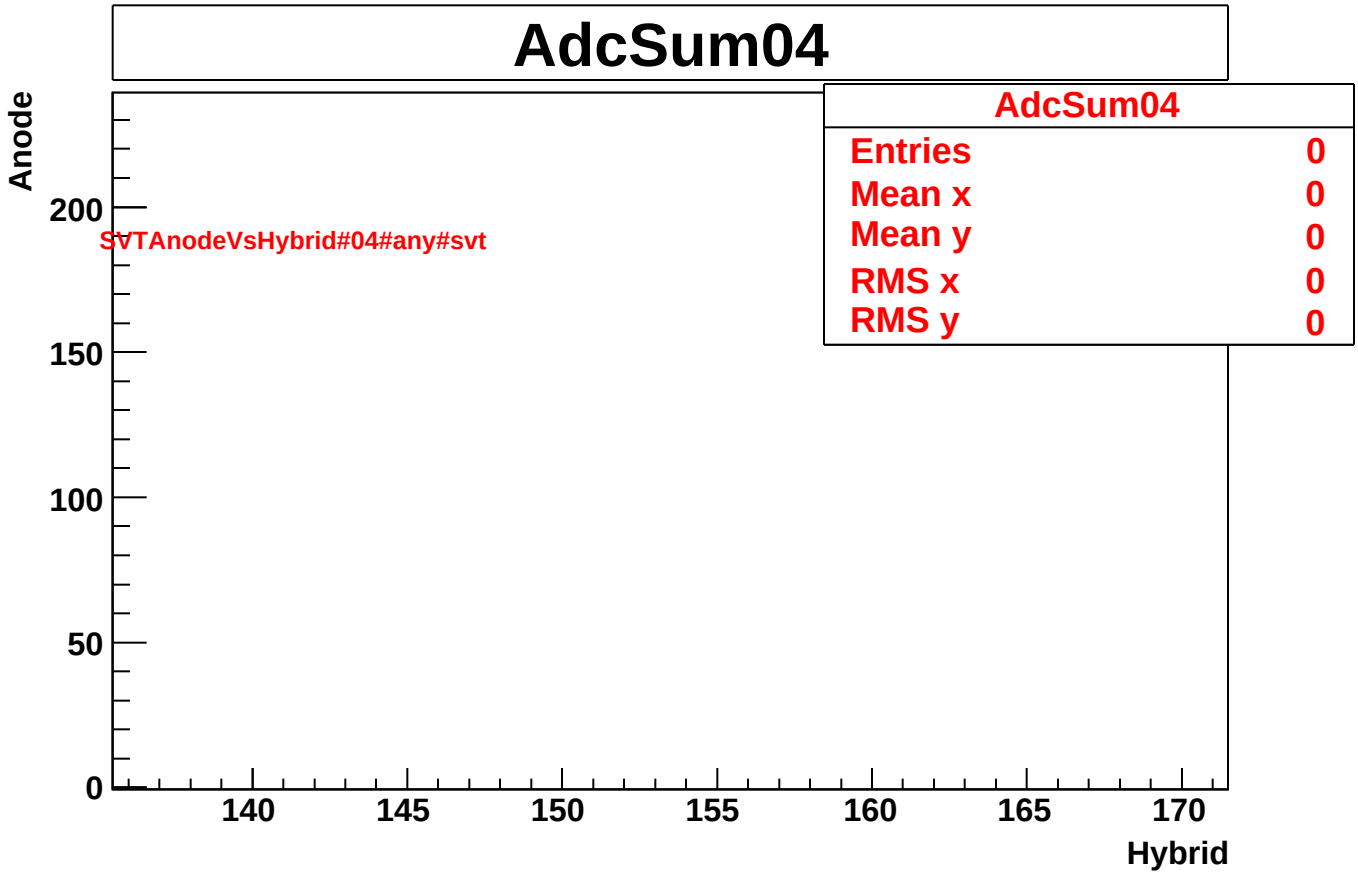

Hit01
Hit01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

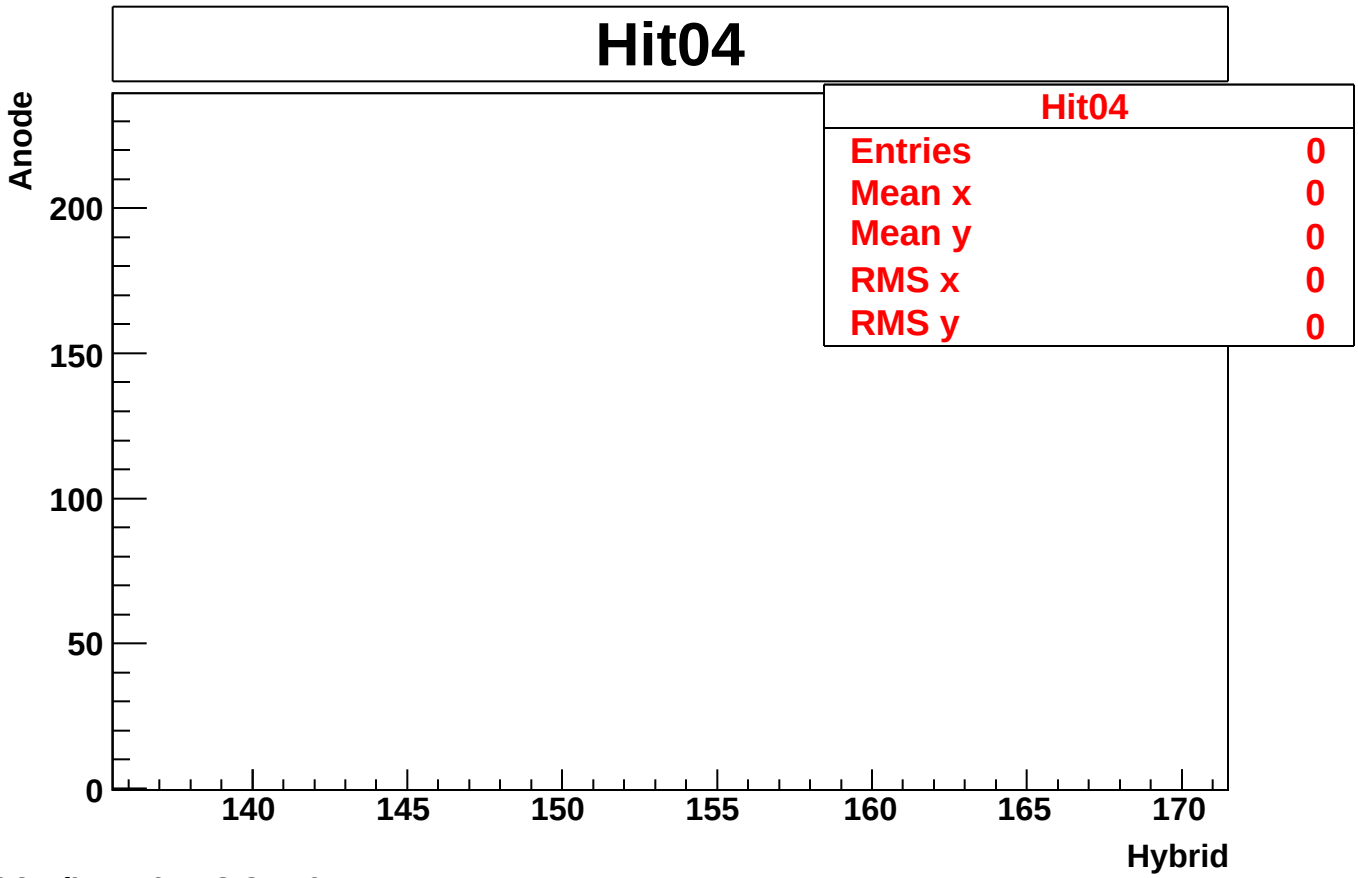

AdcSum02
AdcSum02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#02#any#svt
Anode
200
150
100
50
0
65
70
75
80
85
90
95
Hybrid

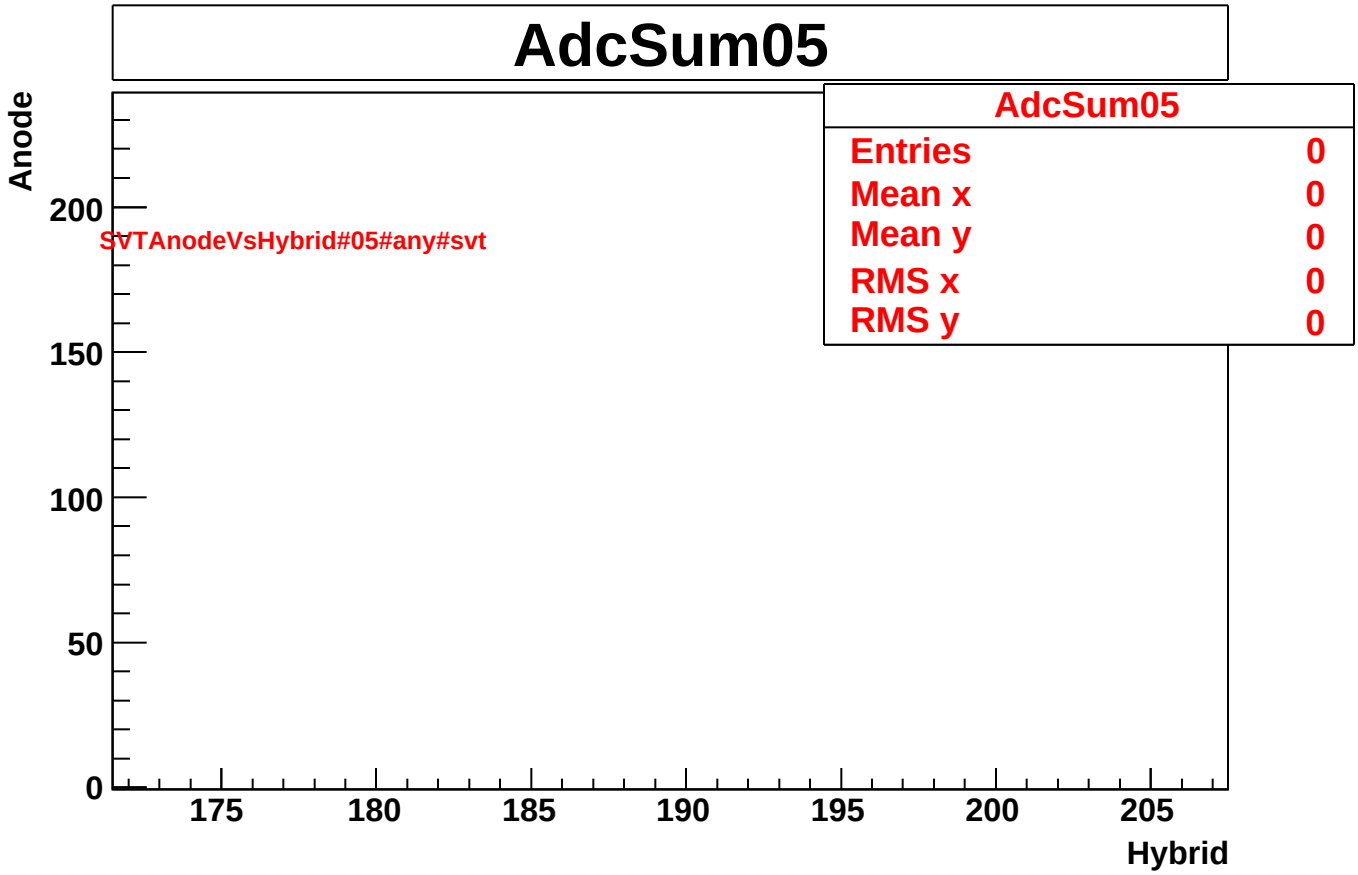

Hit02
Hit02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
65
70
75
80
85
90
95
Hybrid

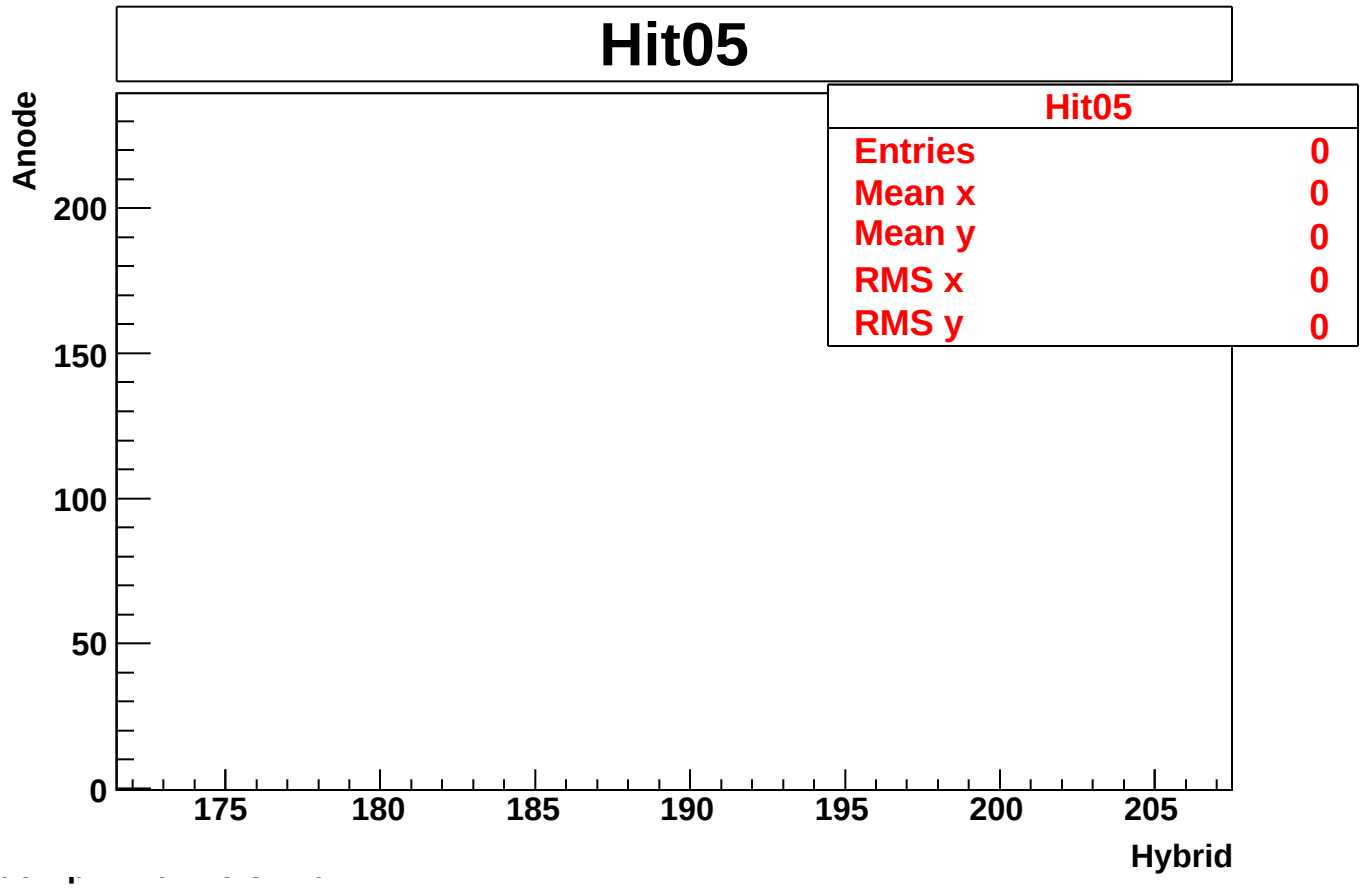

AdcSum03
AdcSum03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#03#any#svt
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

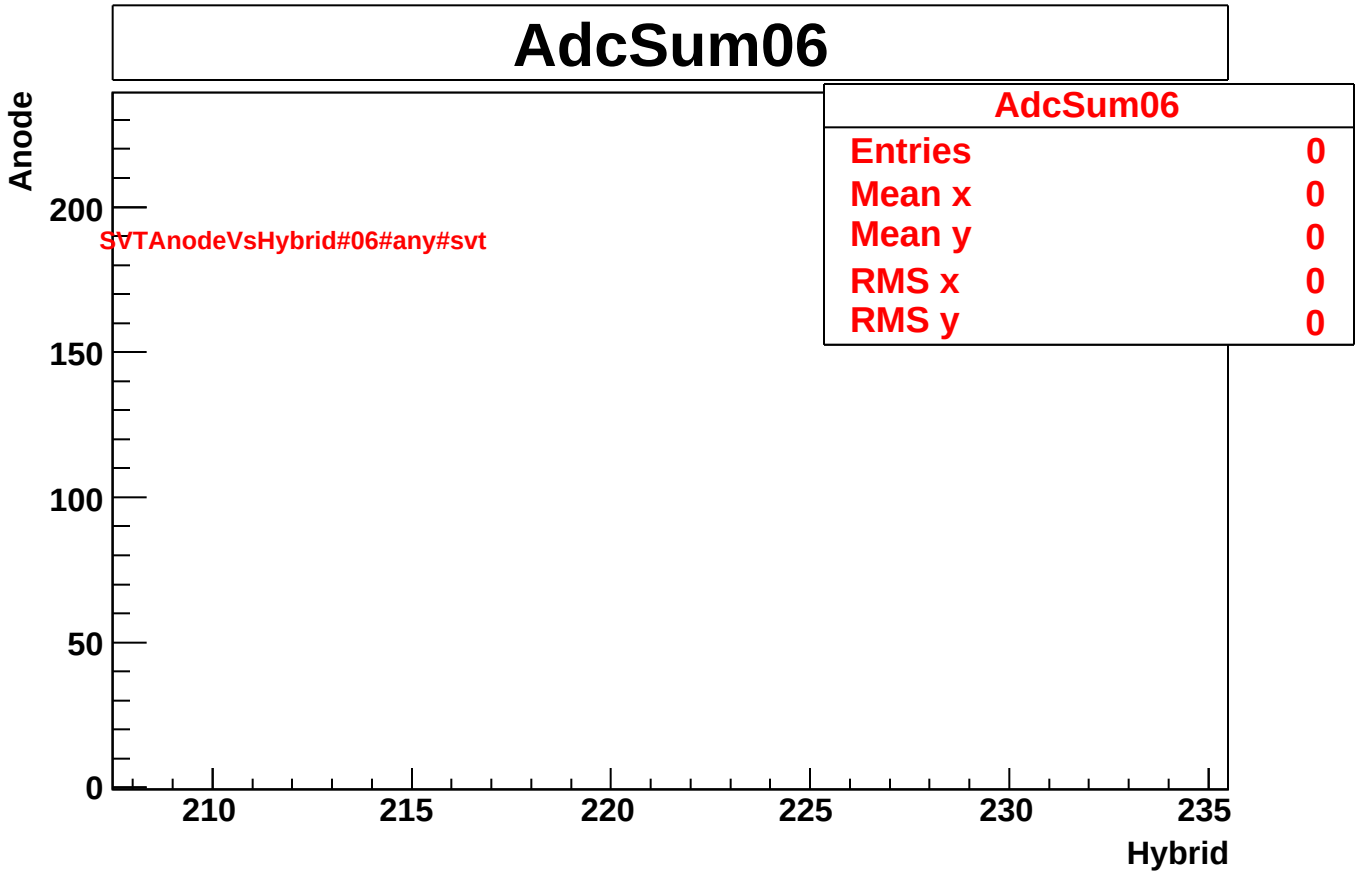

Hit03
Hit03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

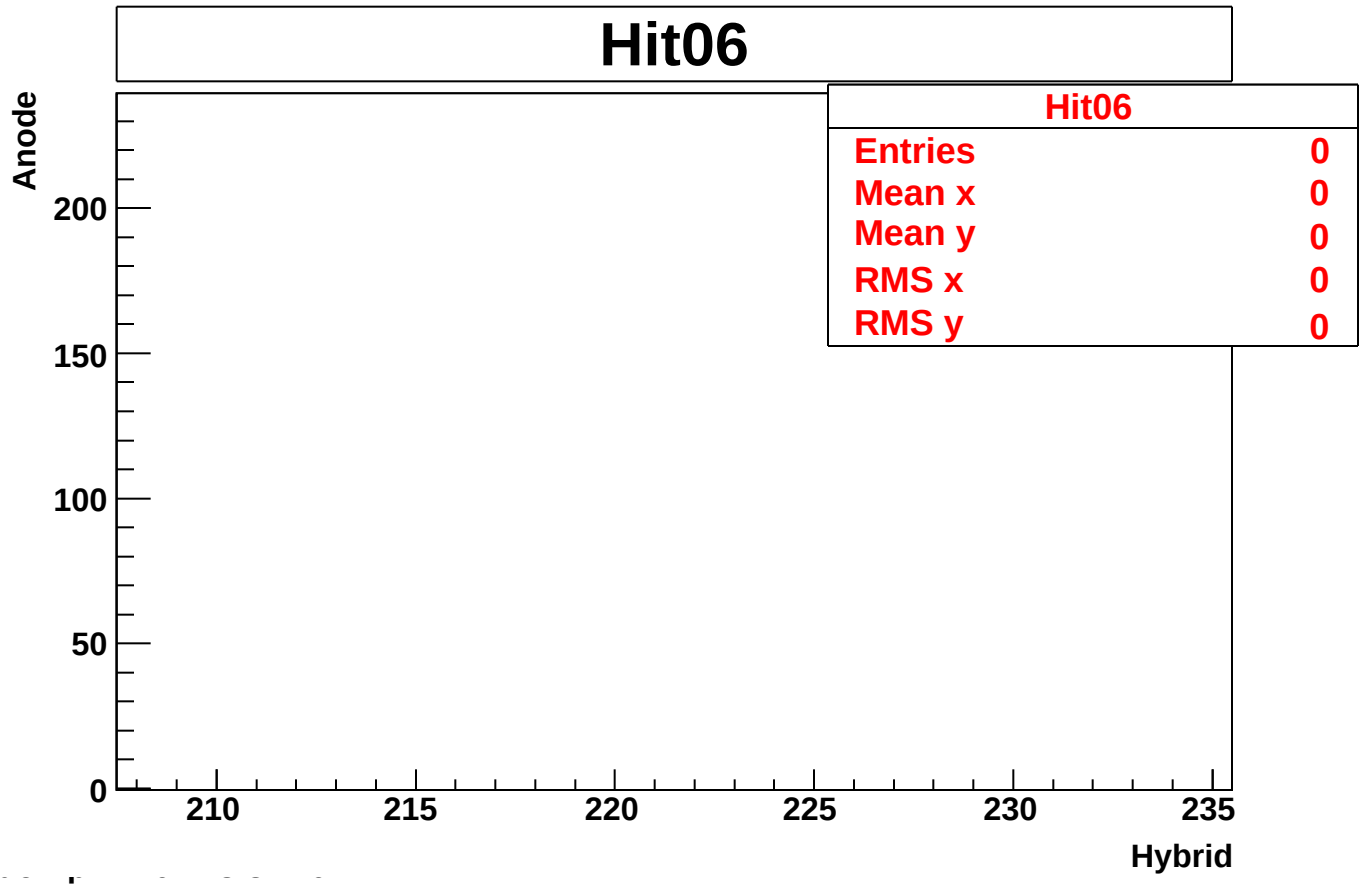

AdcSum04
AdcSum04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#04#any#svt
Anode
0
50
100
150
200
140
145
150
155
160
165
170
Hybrid

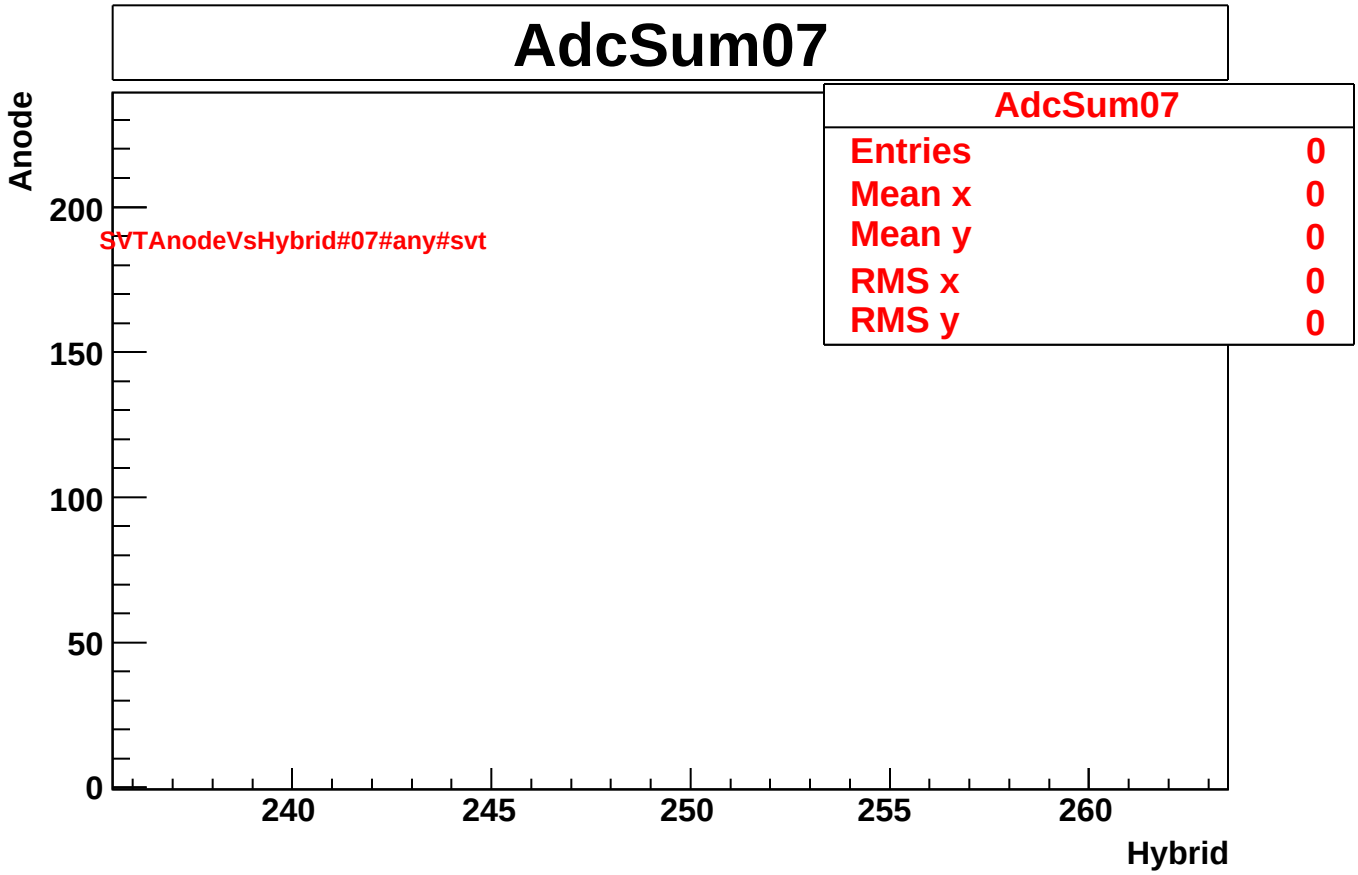

Hit04
Hit04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
140
145
150
155
160
165
170
Hybrid

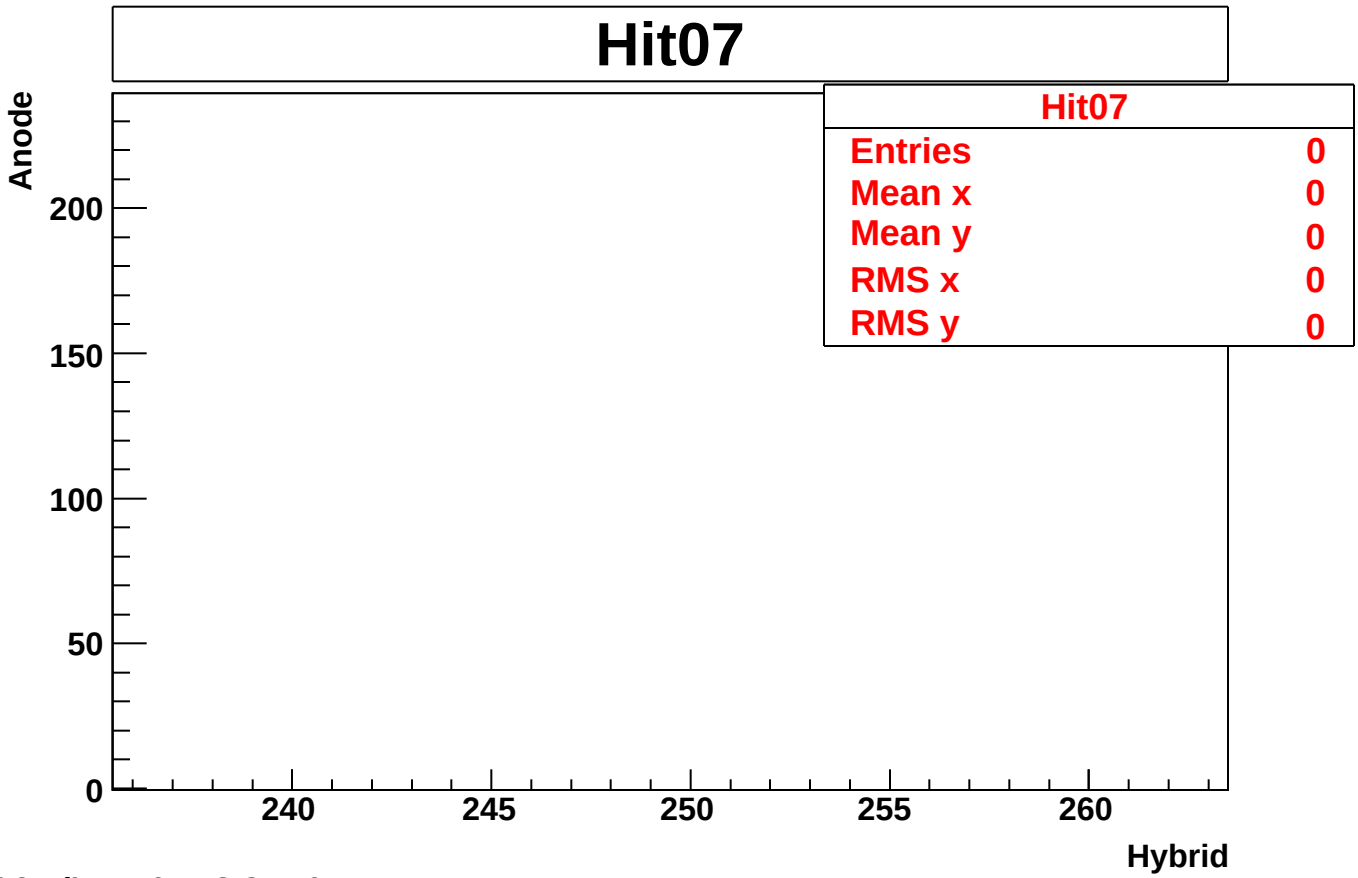

AdcSum05
AdcSum05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#05#any#svt
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

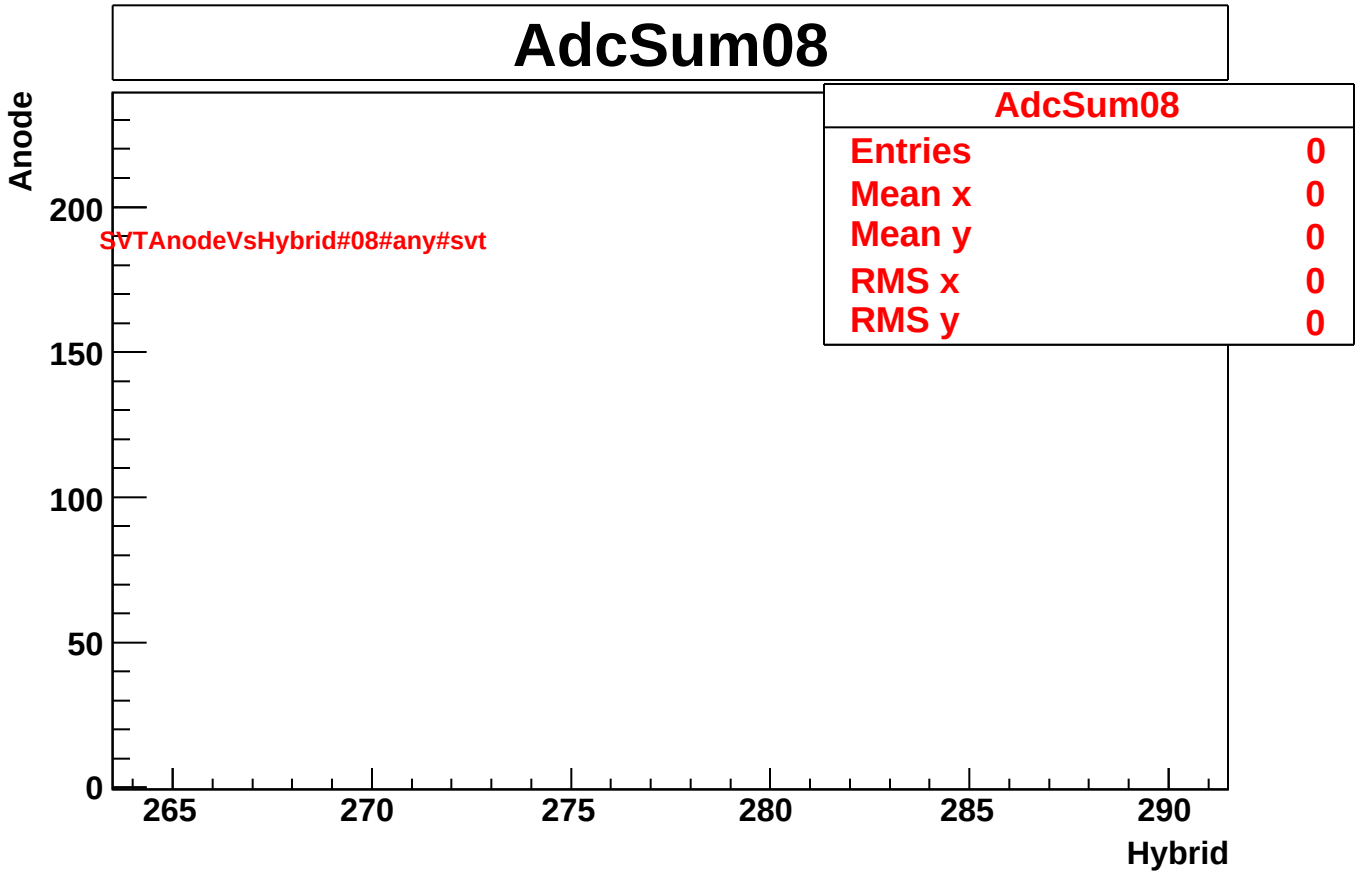

Hit05
Hit05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

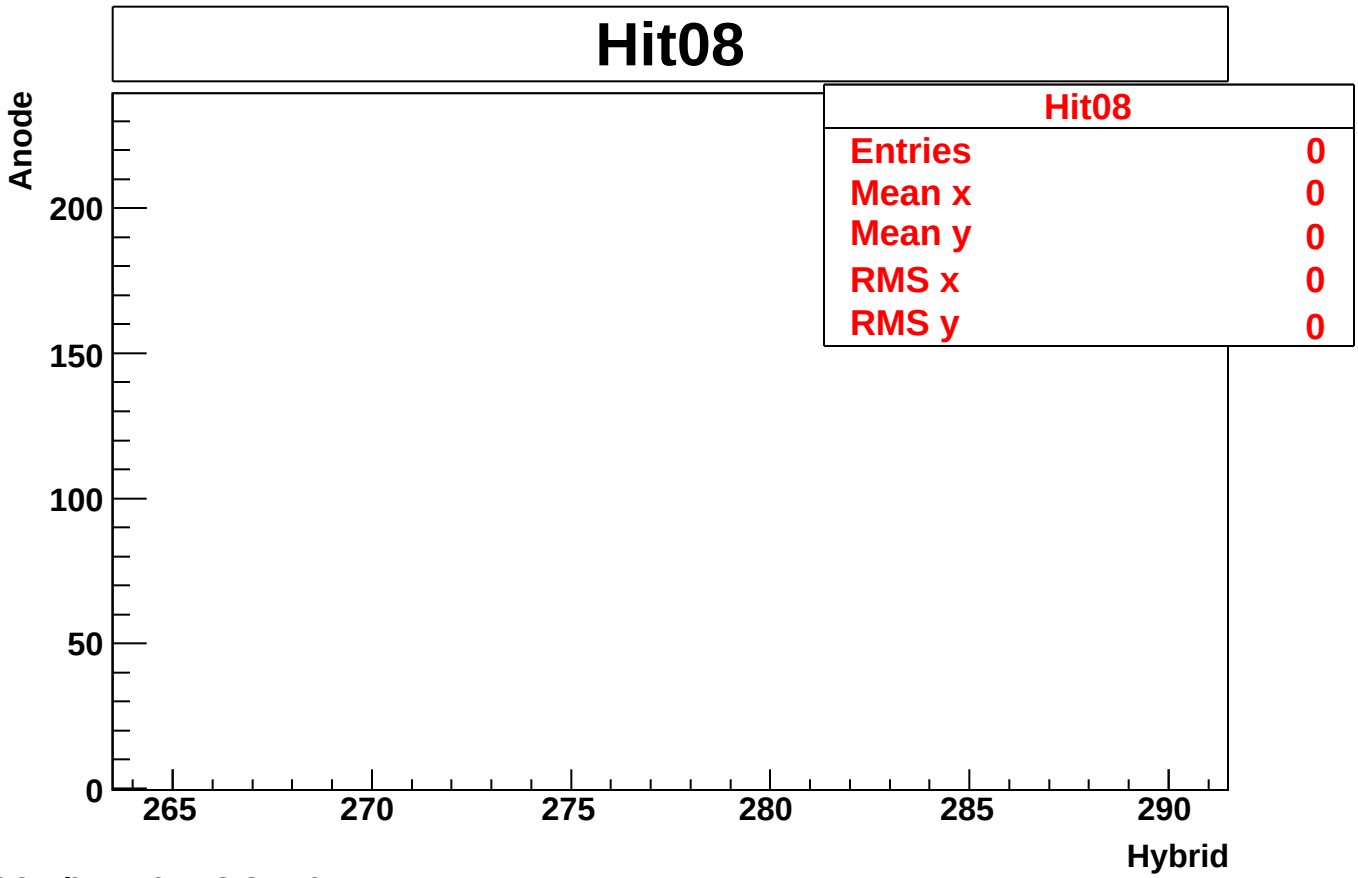

AdcSum06
AdcSum06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#06#any#svt
Anode
200
150
100
50
0
210
215
220
225
230
235
Hybrid

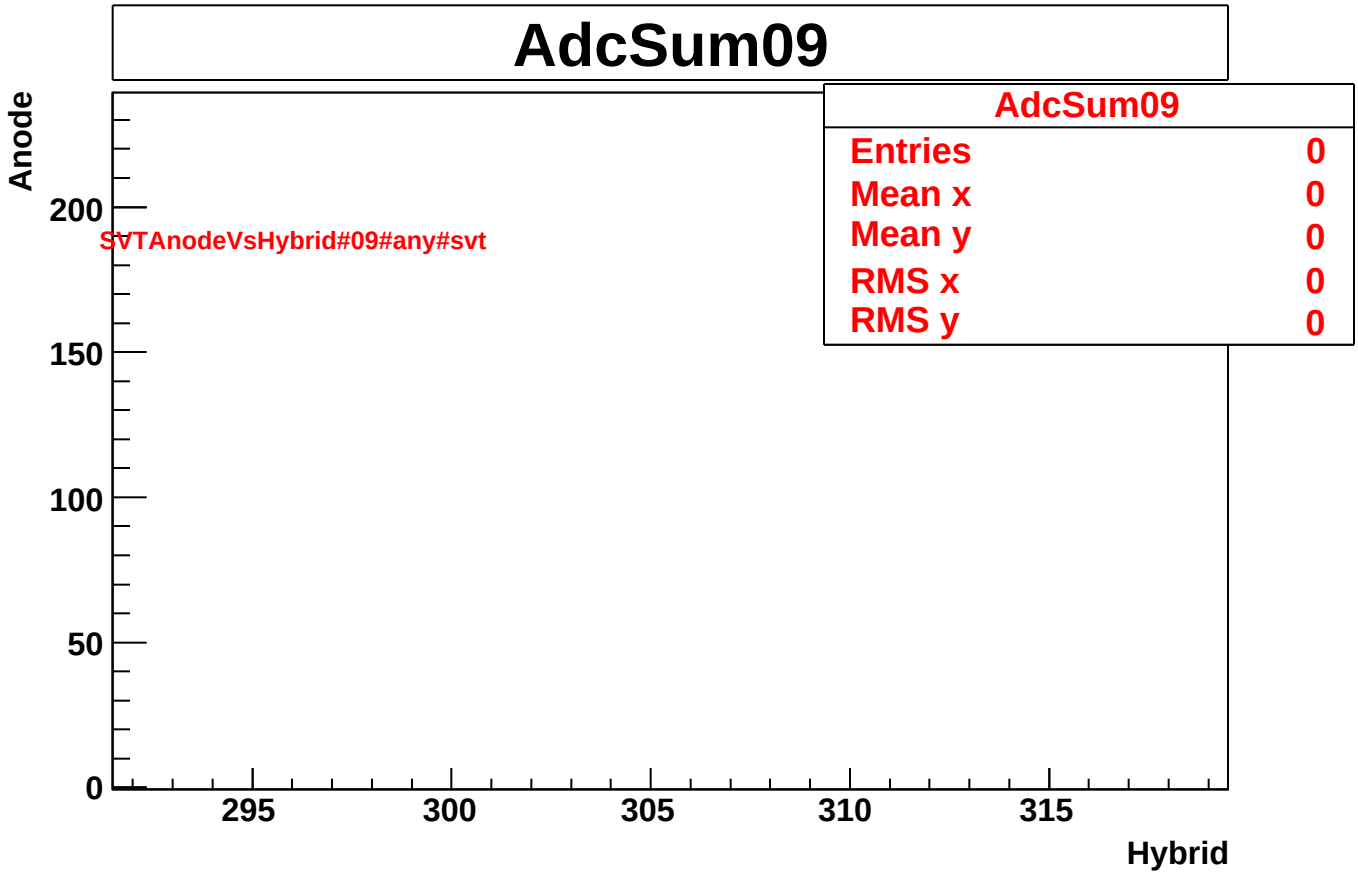

Hit06
Hit06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
210
215
220
225
230
235
Hybrid

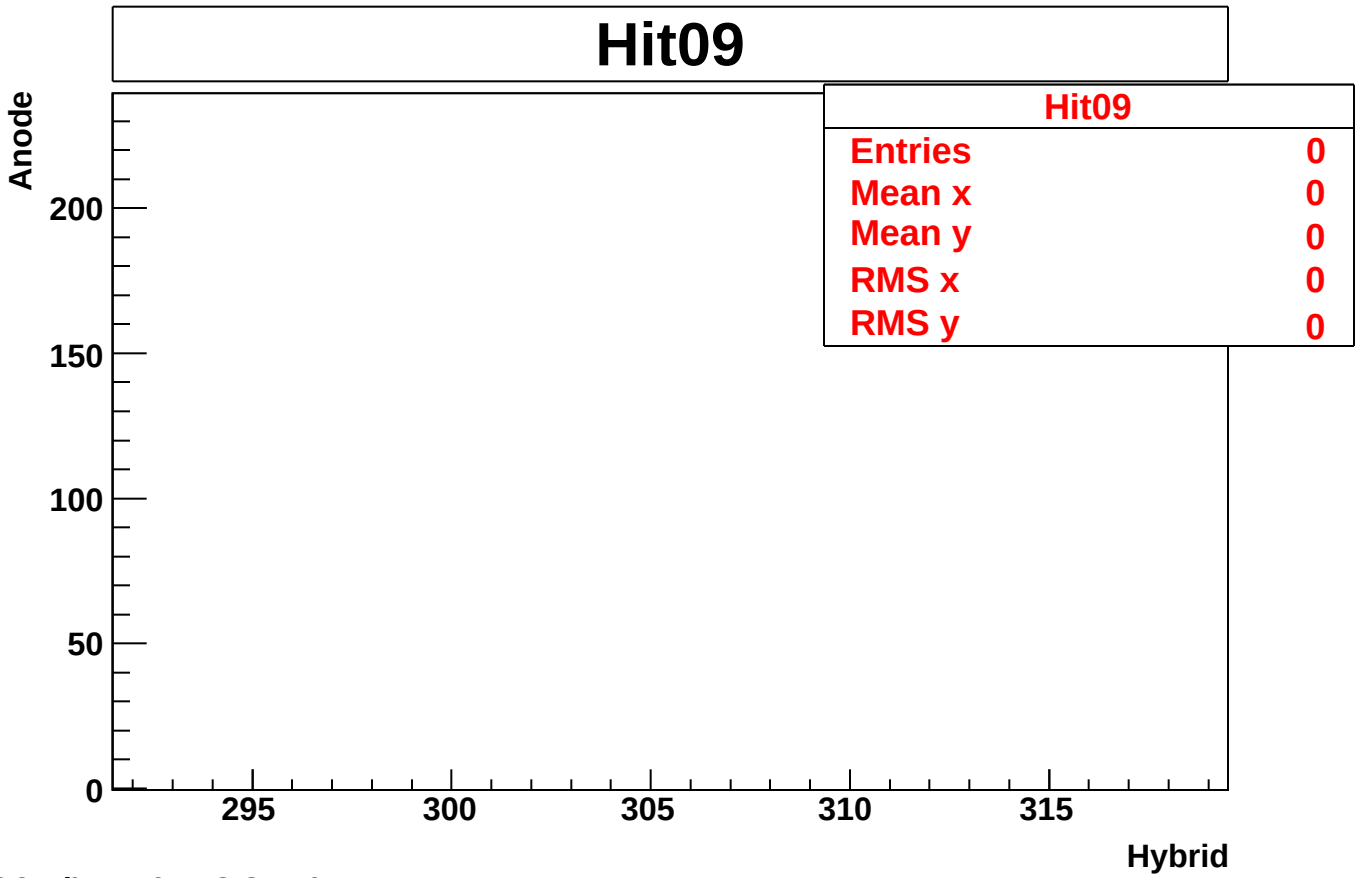

AdcSum07
AdcSum07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#07#any#svt
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

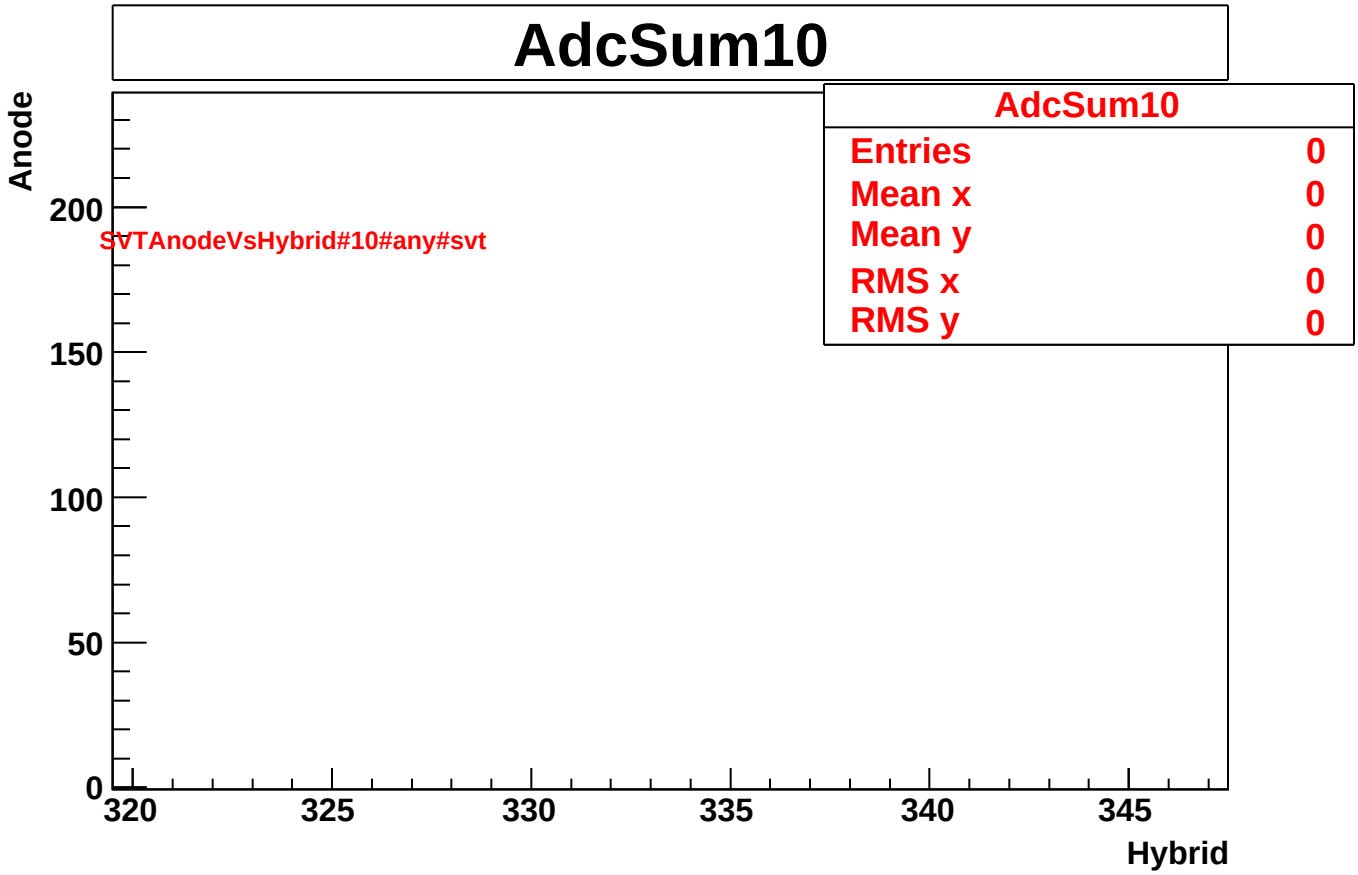

Hit07
Hit07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

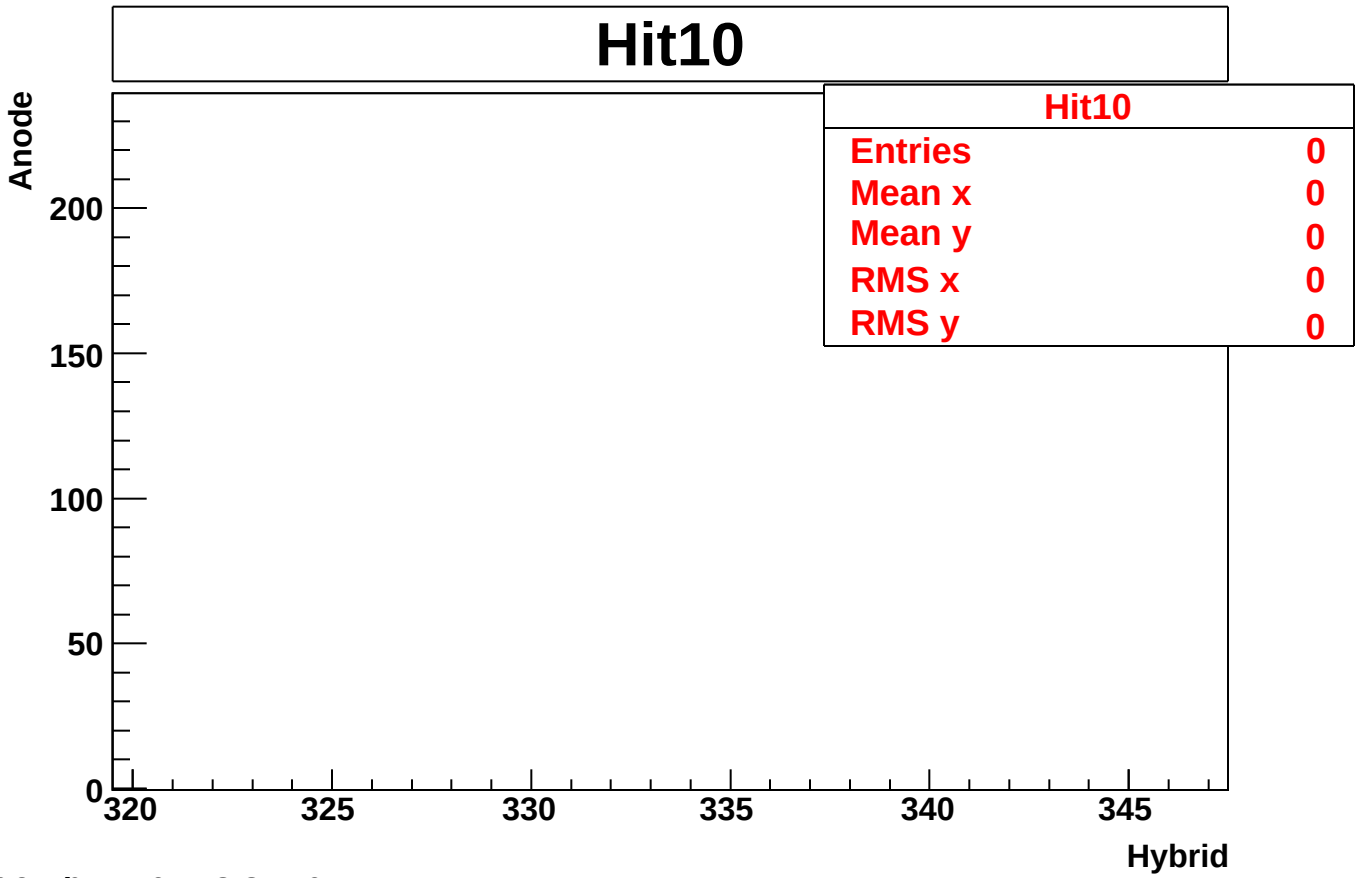

AdcSum08
AdcSum08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#08#any#svt
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

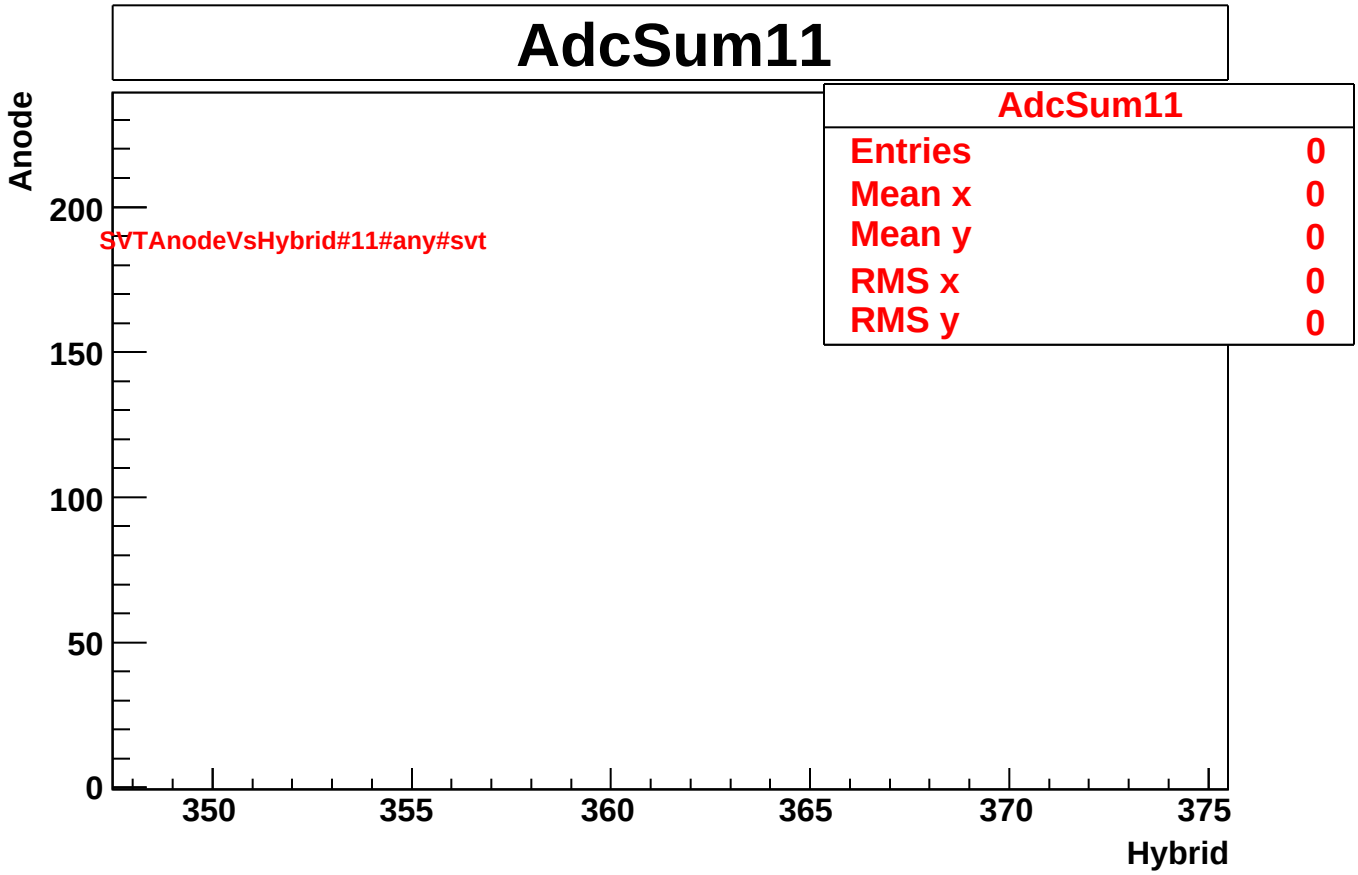

Hit08
Hit08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

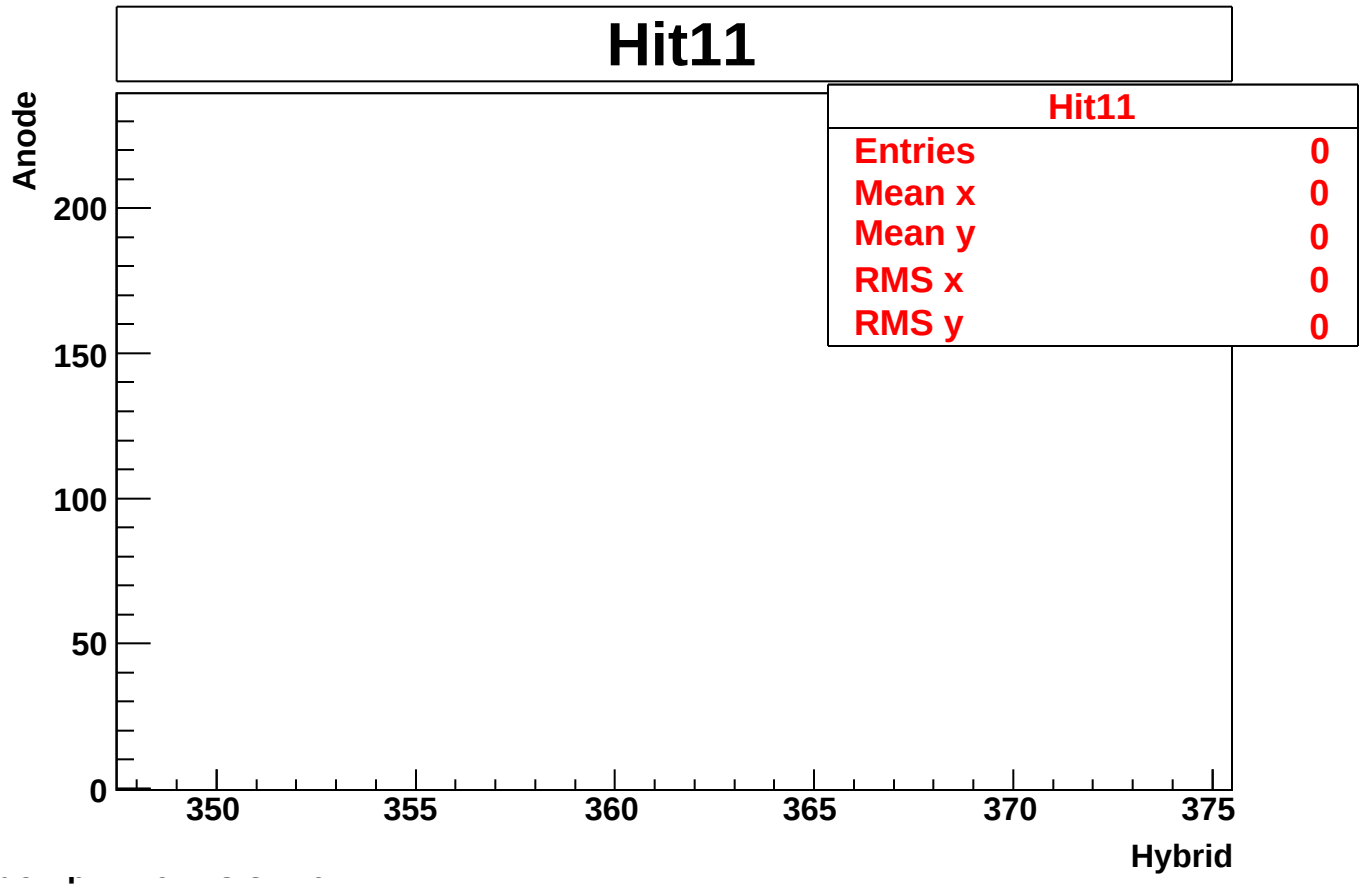

AdcSum09
AdcSum09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#09#any#svt
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

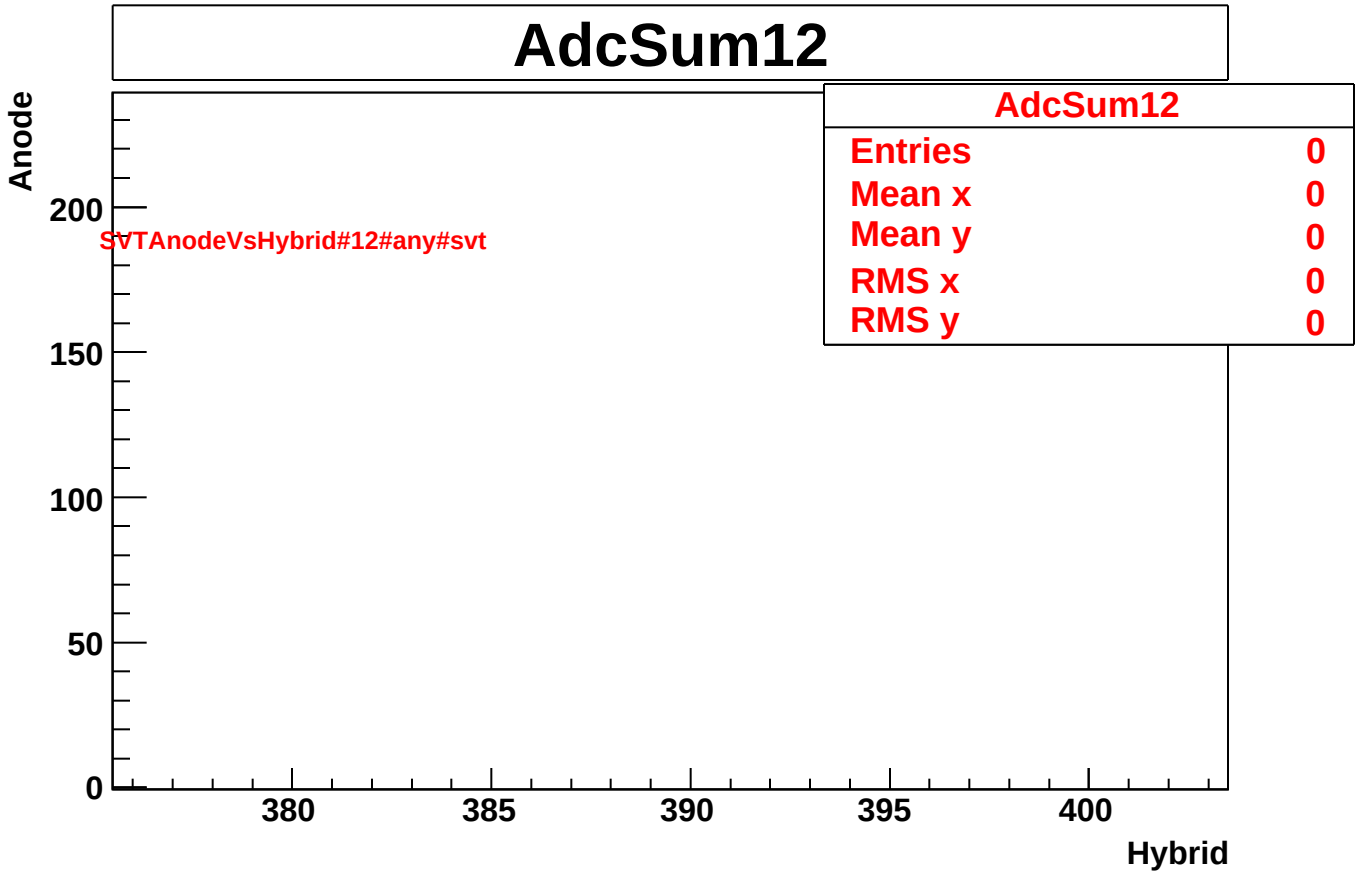

Hit09
Hit09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

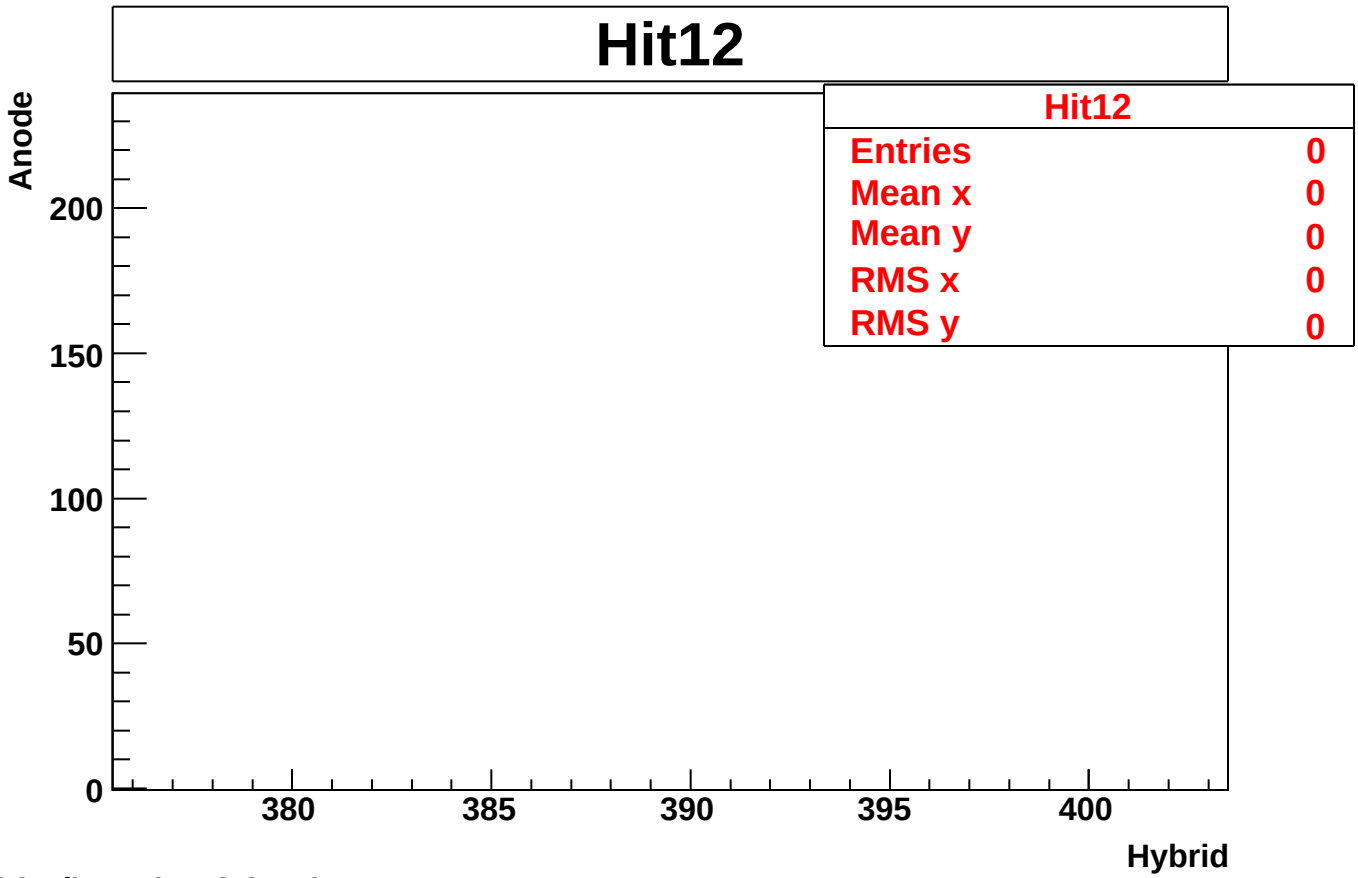

AdcSum10
AdcSum10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#10#any#svt
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

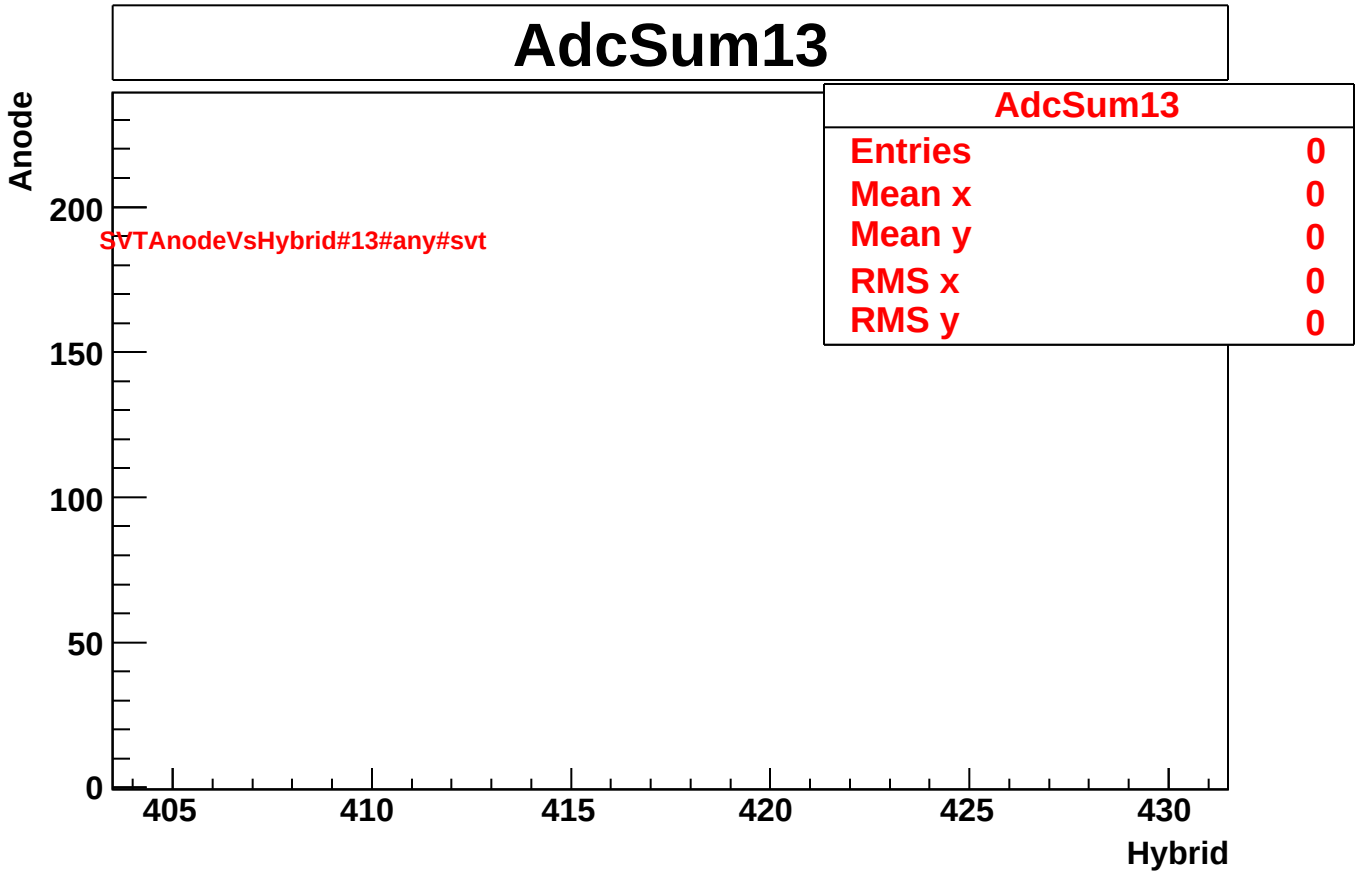

Hit10
Hit10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

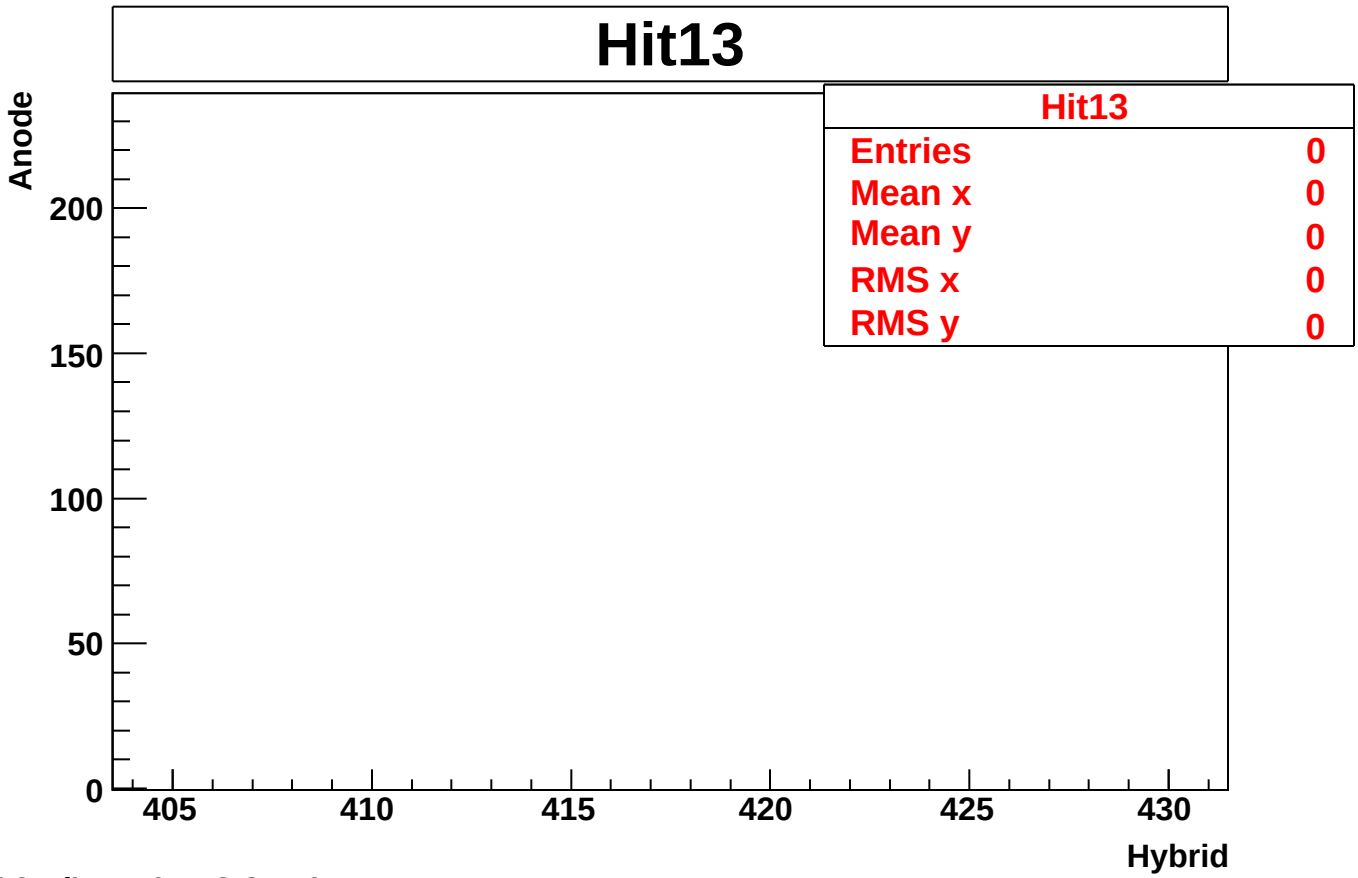

AdcSum11
AdcSum11
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#11#any#svt
Anode
0
50
100
150
200
350
355
360
365
370
375
Hybrid


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

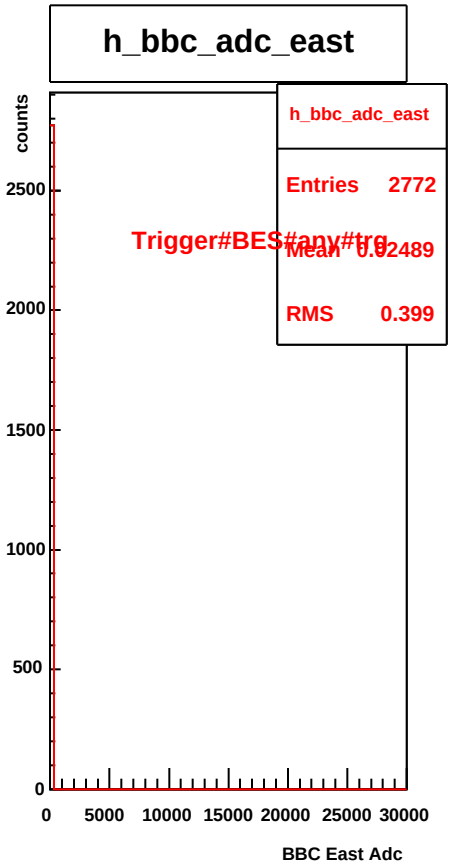

AdcSum12
AdcSum12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#12#any#svt
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

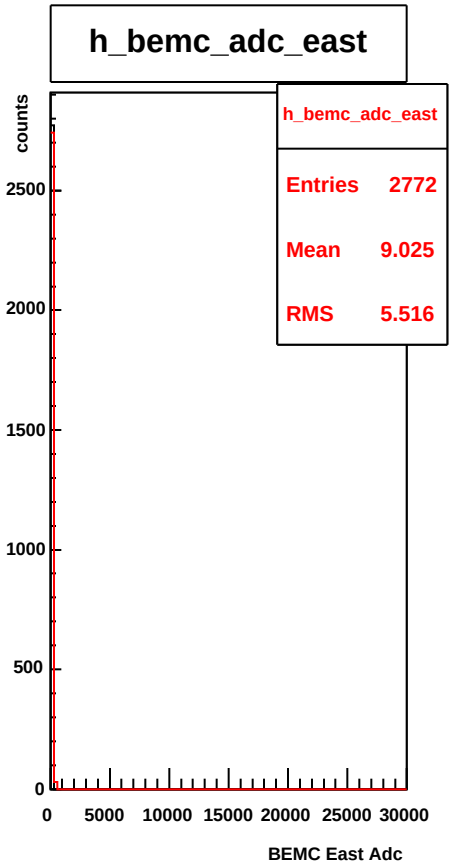

Hit12
Hit12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

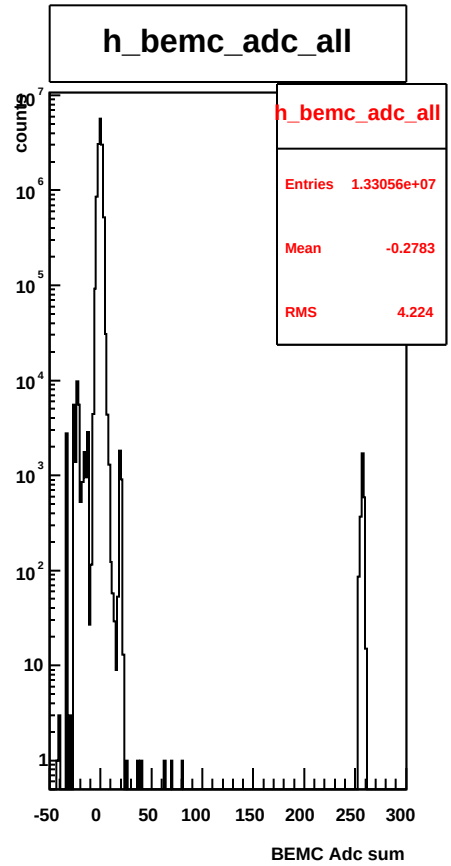

AdcSum13
AdcSum13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#13#any#svt
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

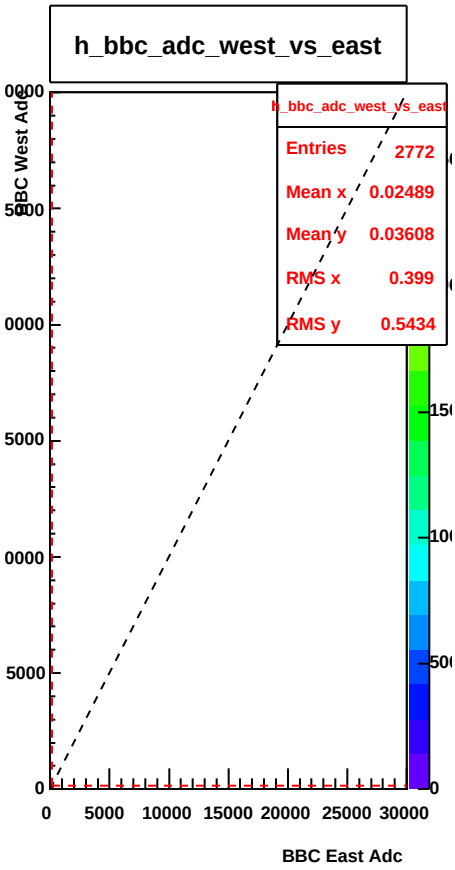

Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

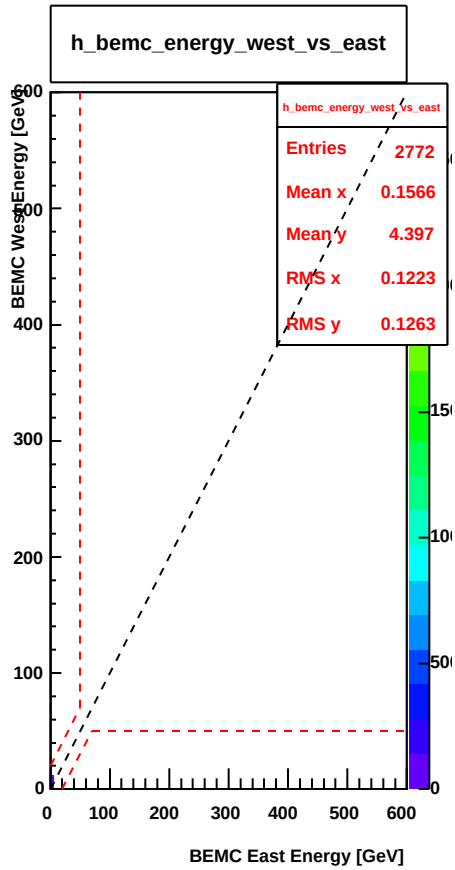
Ssd#Pedestal#pedestal#ssd

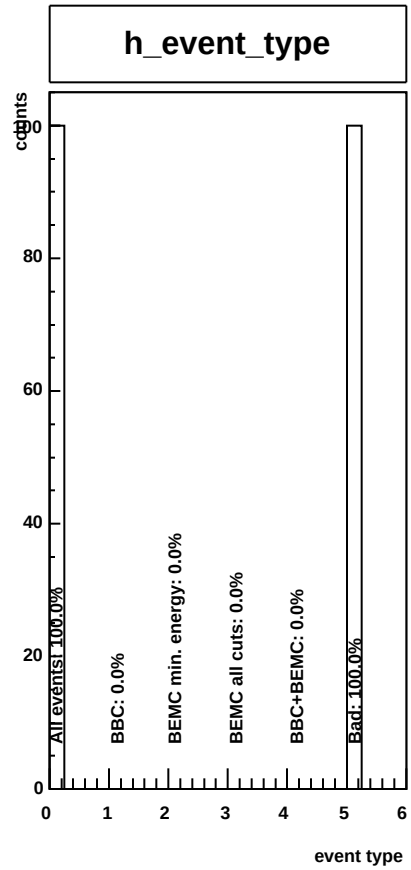

h_bbc_adc_east
h_bbc_adc_east
Entries 2772
Mean 0.02489
RMS 0.399
Trigger#BES#any#trg
counts
BBC East Adc

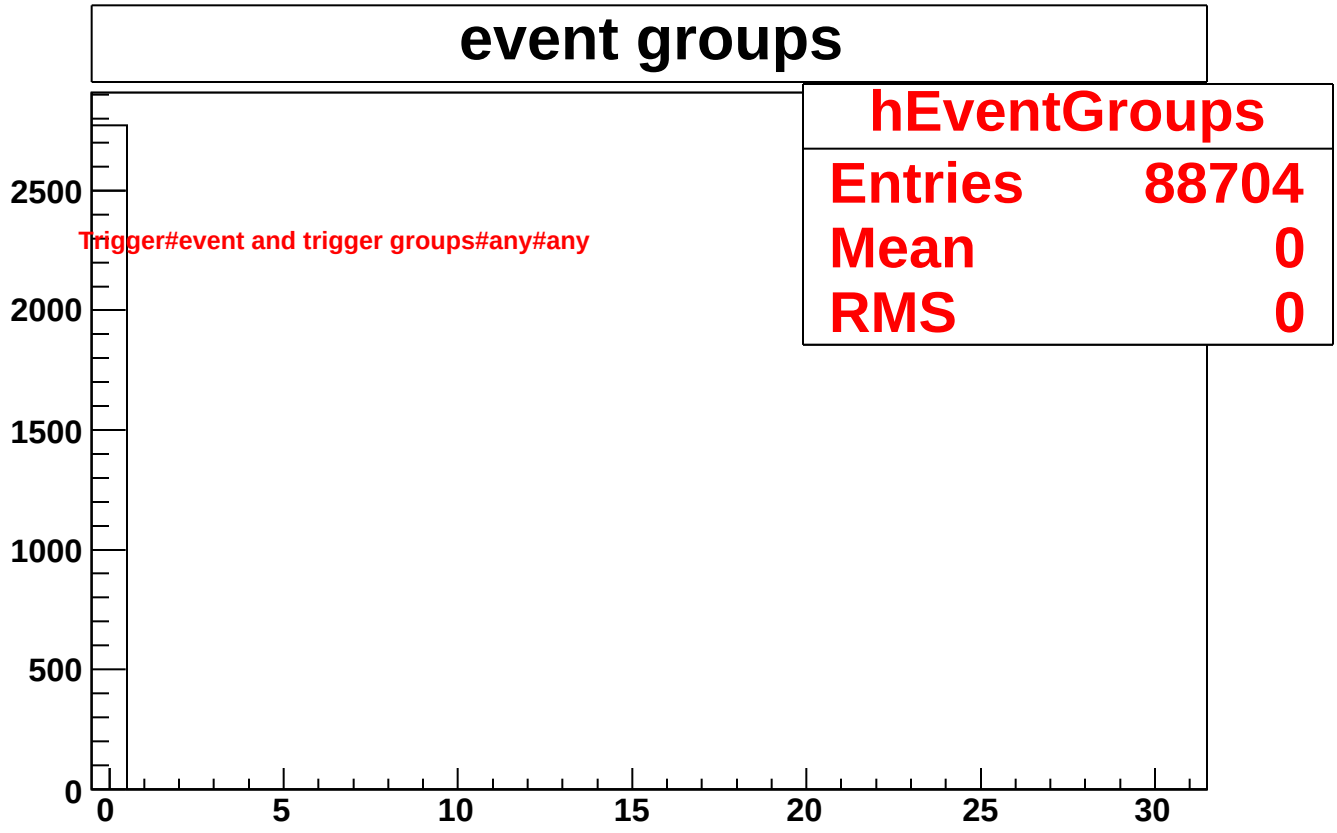

h_bemc_adc_east
h_bemc_adc_east
Entries 2772
Mean 9.025
RMS 5.516
counts
BEMC East Adc

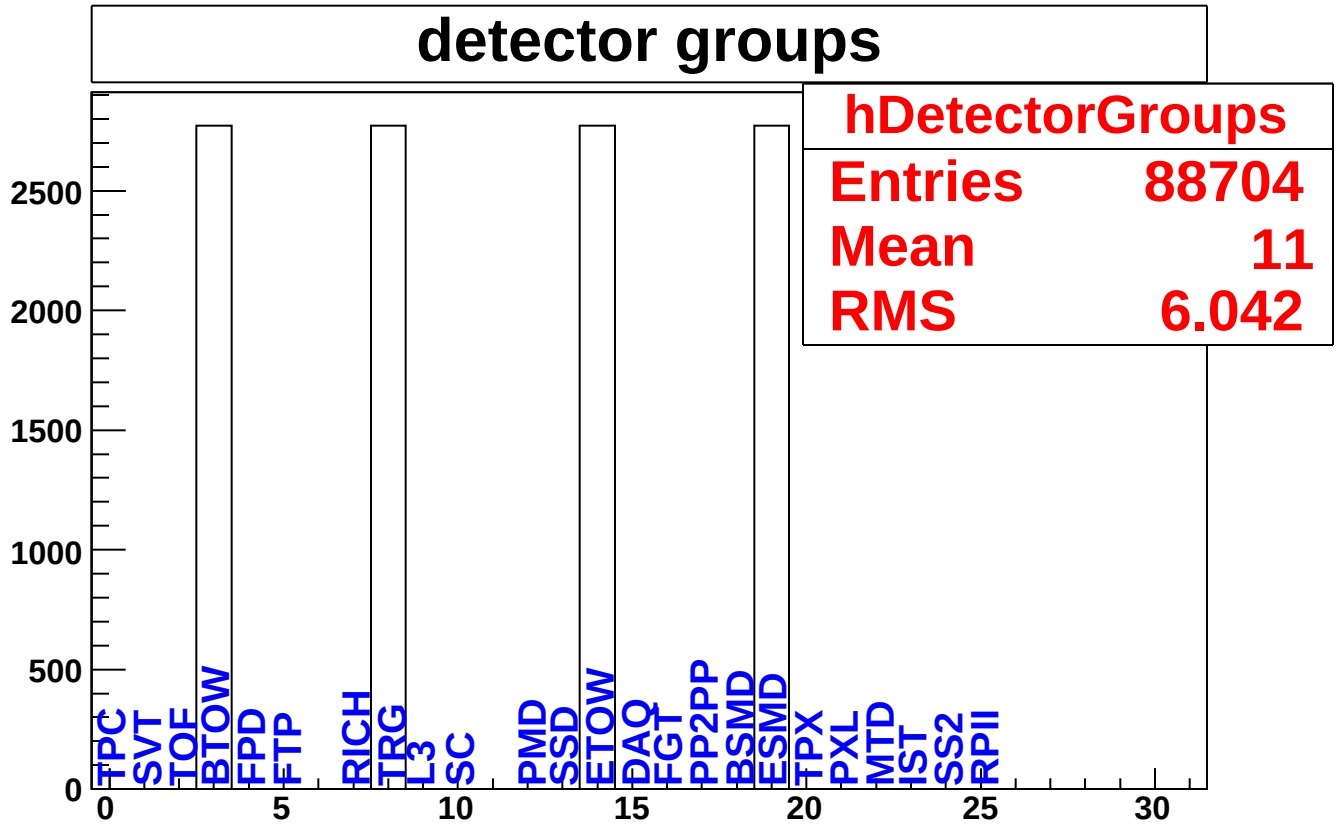

h_bemc_adc_all
h_bemc_adc_all
Entries 1.33056e+07
Mean -0.2783
RMS 4.224
counts
BEMC Adc sum

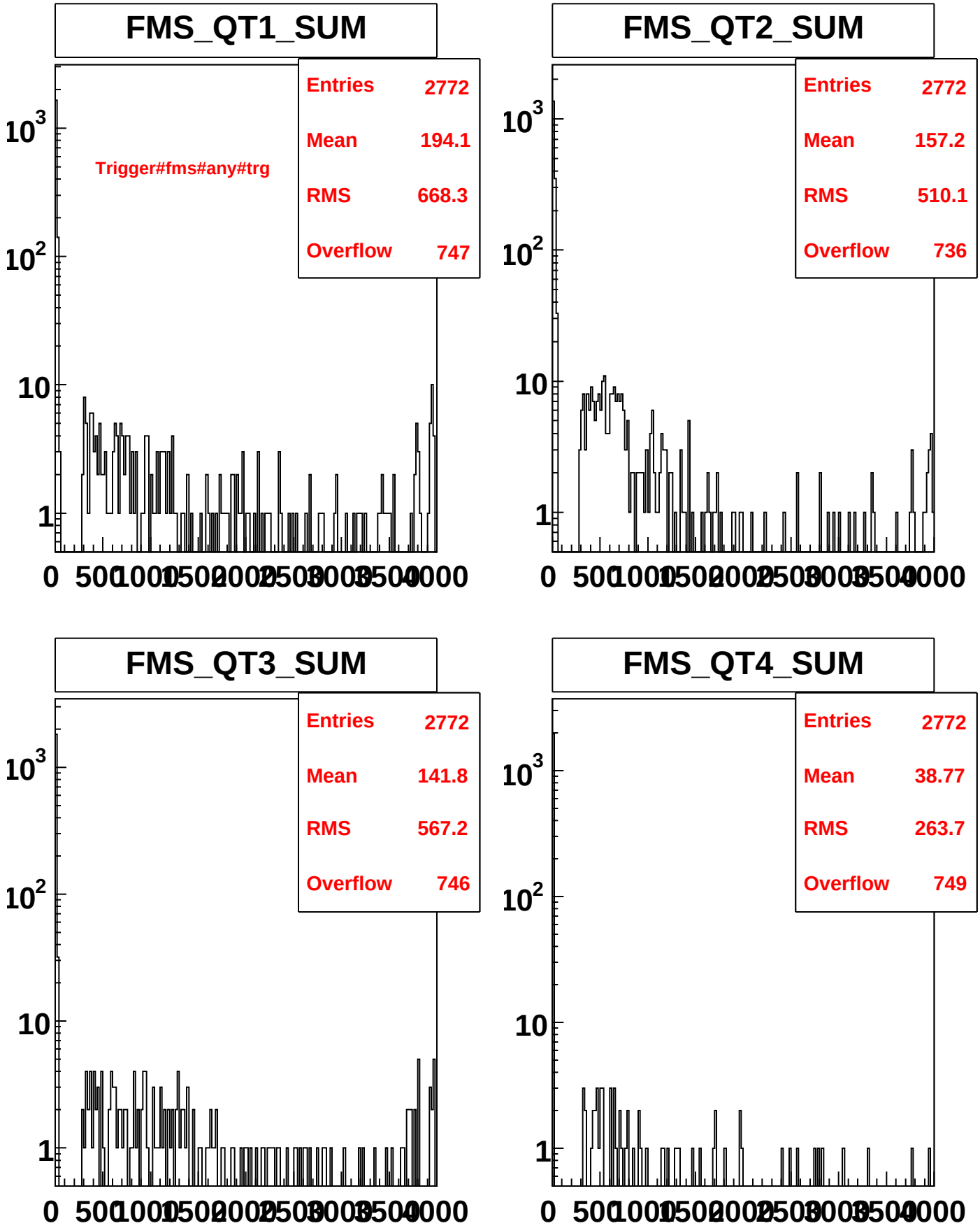

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 2772
Mean x 0.02489
Mean y 0.03608
RMS x 0.399
RMS y 0.5434
BBC West Adc
BBC East Adc

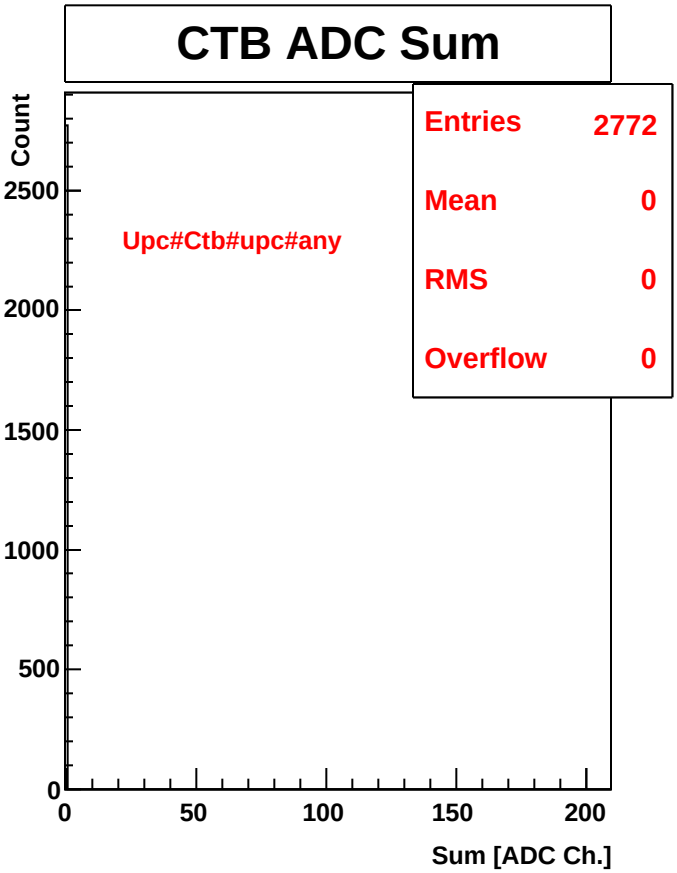

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 2772
Mean x 0.1566
Mean y 4.397
RMS x 0.1223
RMS y 0.1263
BEMC West Energy [GeV]
BEMC East Energy [GeV]

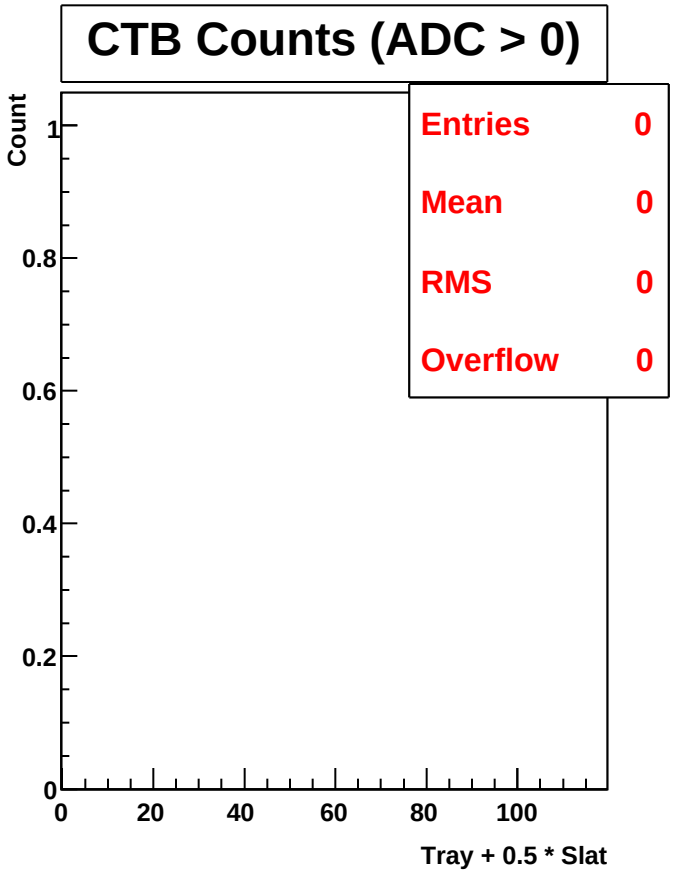

h_event_type
counts
All events: 100.0%
BBC: 0.0%
BEMC min. energy: 0.0%
BEMC all cuts: 0.0%
BBC+BEMC: 0.0%
Bad: 100.0%
event type

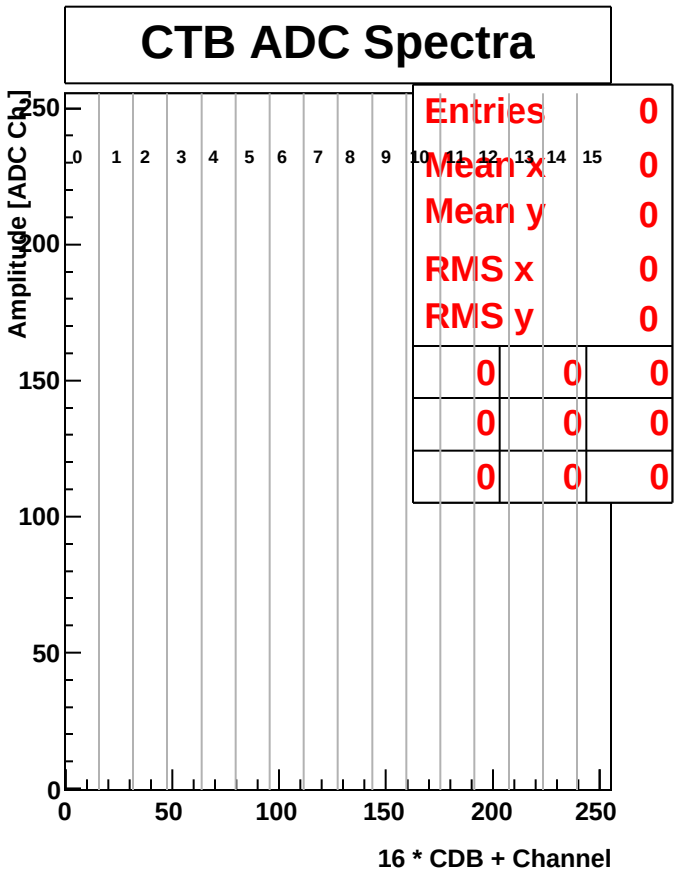

event groups
hEventGroups
Entries 88704
Mean 0
RMS 0
Trigger#event and trigger groups#any#any
2500
2000
1500
1000
500
0
0
5
10
15
20
25
30

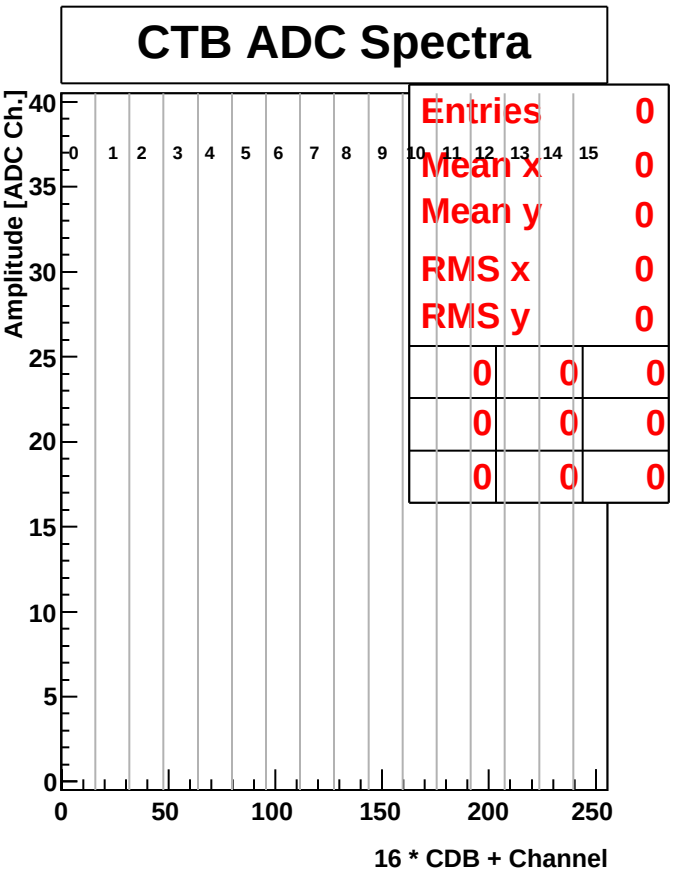

detector groups
hDetectorGroups
Entries 88704
Mean 11
RMS 6.042
2500
2000
1500
1000
500
0
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
5
10
15
20
25
30

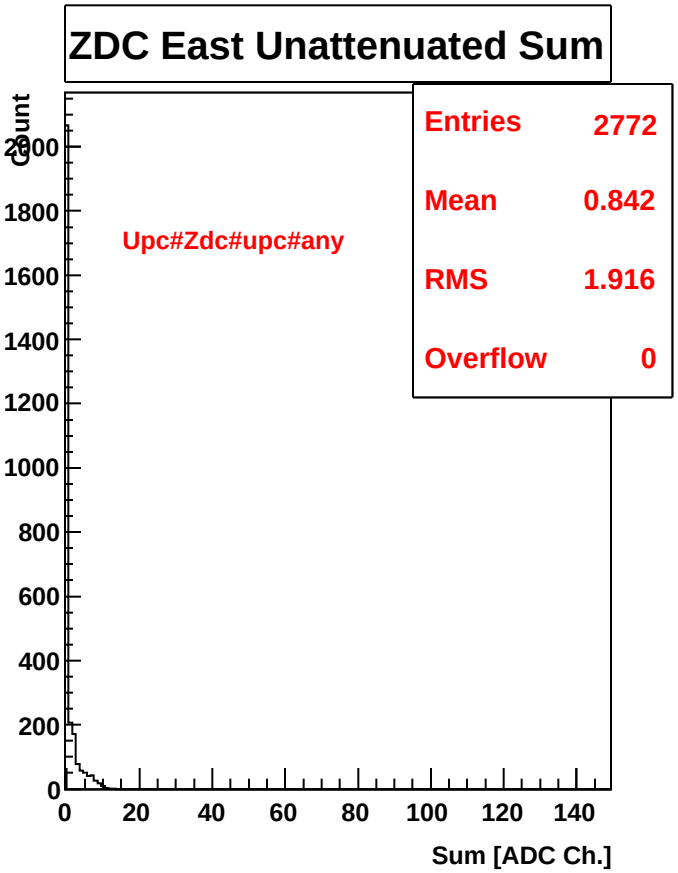

FMS_QT1_SUM
Entries 2772
Mean 194.1
RMS 668.3
Overflow 747
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 2772
Mean 157.2
RMS 510.1
Overflow 736
FMS_QT3_SUM
Entries 2772
Mean 141.8
RMS 567.2
Overflow 746
FMS_QT4_SUM
Entries 2772
Mean 38.77
RMS 263.7
Overflow 749

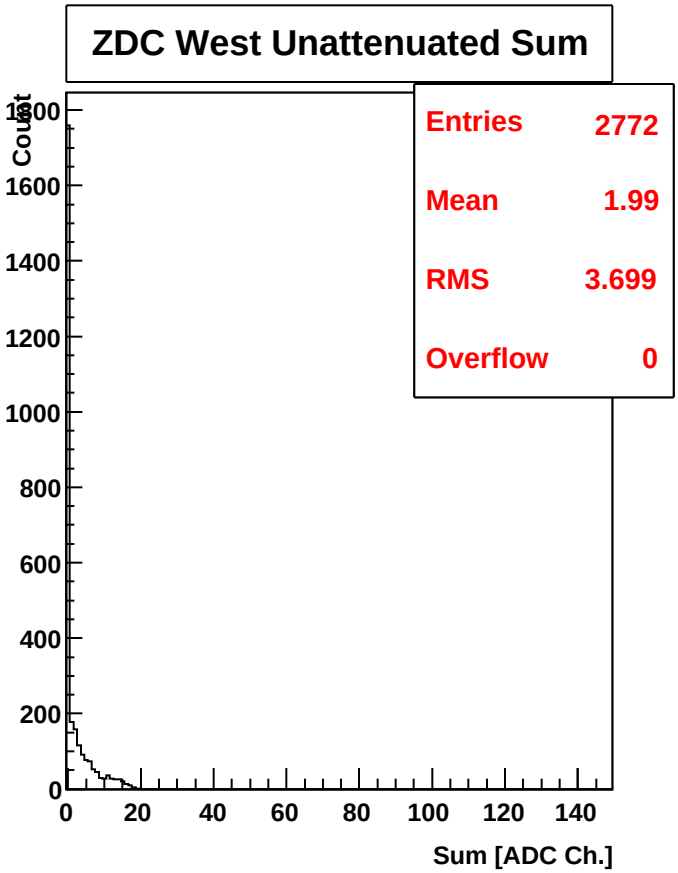

CTB ADC Sum
Entries 2772
Mean 0
RMS 0
Overflow 0
Upc#Ctb#upc#any
Count
Sum [ADC Ch.]

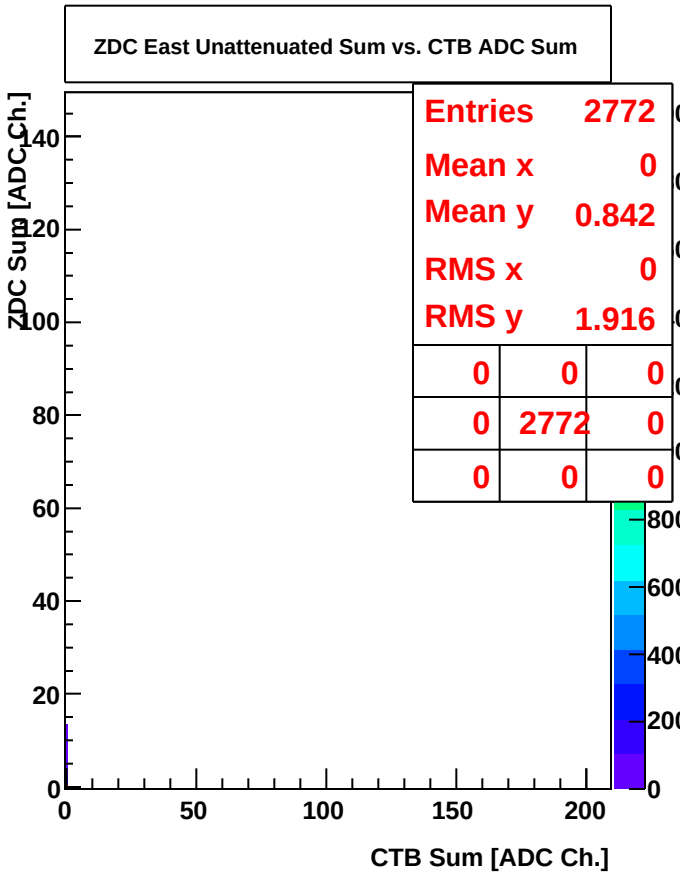

CTB Counts (ADC > 0)
Entries 0
Mean 0
RMS 0
Overflow 0
Count
Tray + 0.5 * Slat

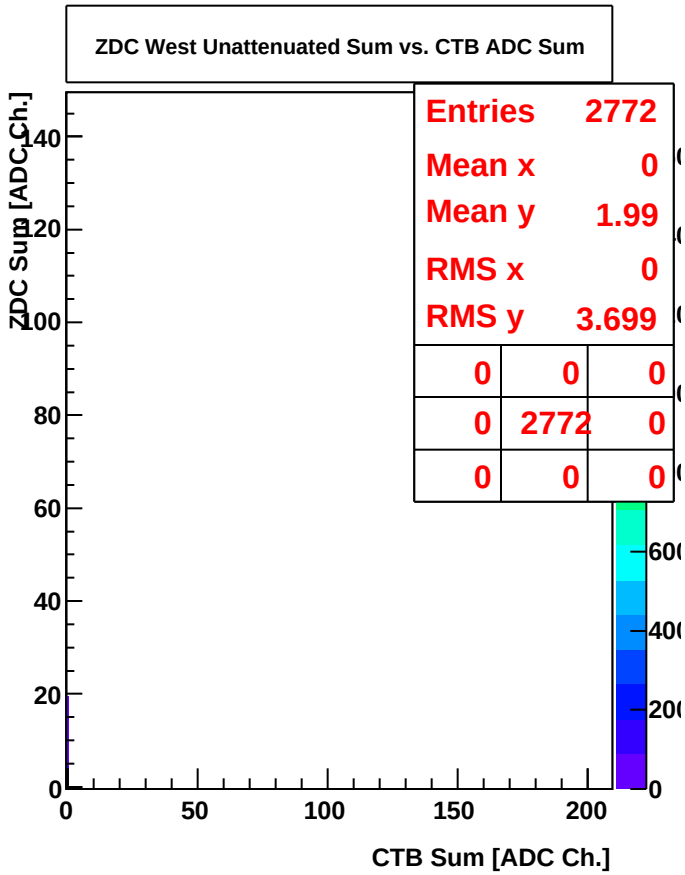

CTB ADC Spectra
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Amplitude [ADC Ch.]
16 * CDB + Channel


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 2772
Mean 0.842
RMS 1.916
Overflow 0
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 2772
Mean 1.99
RMS 3.699
Overflow 0
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 2772
Mean x 0
Mean y 0.842
RMS x 0
RMS y 1.916
0 0 0
0 2772 0
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 2772
Mean x 0
Mean y 1.99
RMS x 0
RMS y 3.699
0 0 0
0 2772 0
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]