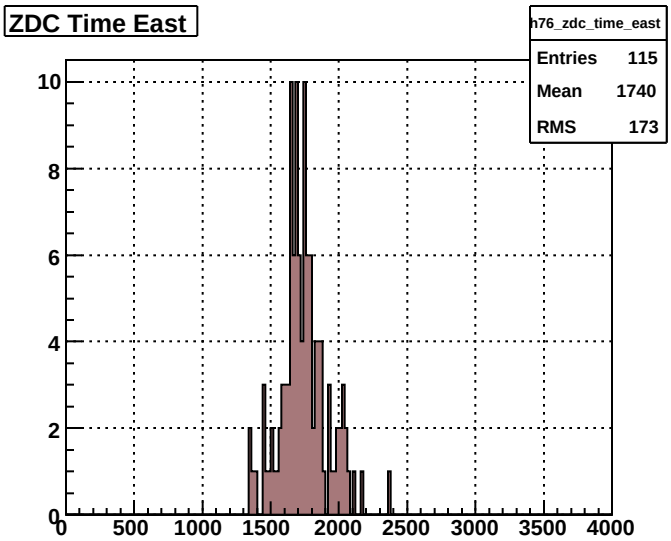
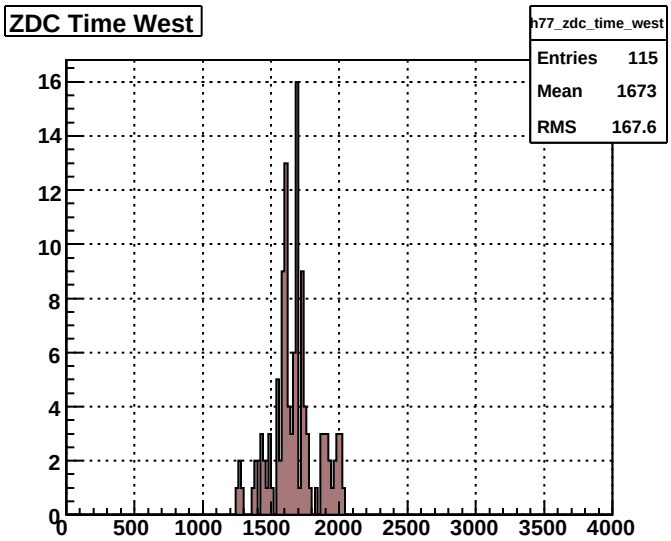
Run: #12130084

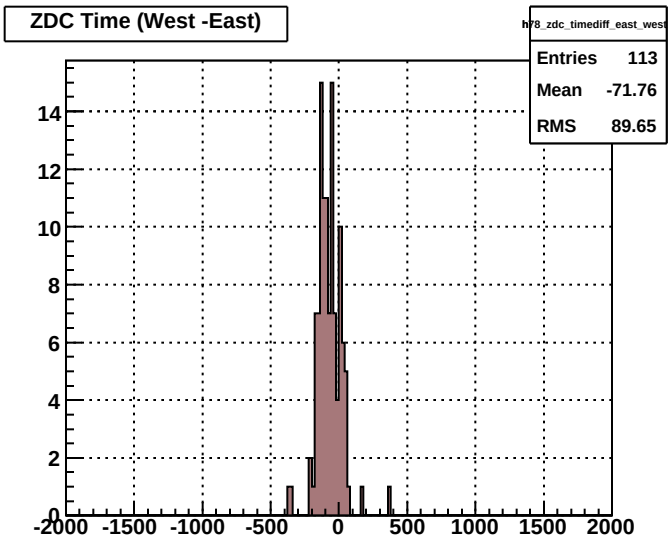
TriggerBits: 11111111 11111111 11111111 11111111

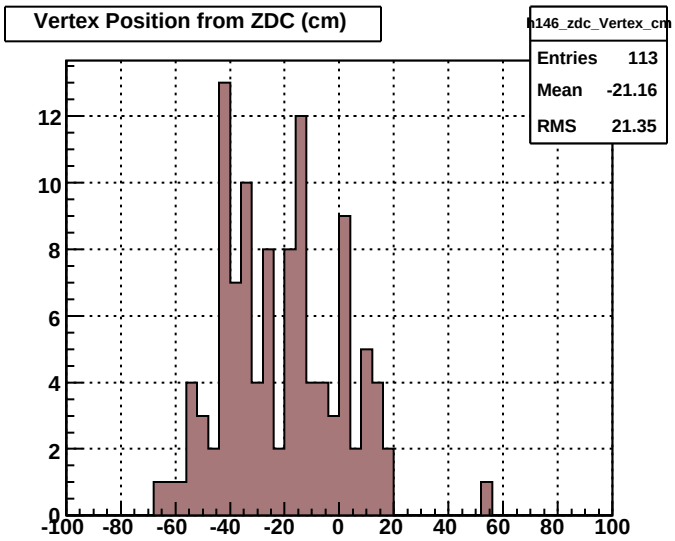
DetectorBits: 00000000 01010100 00000011 00001100

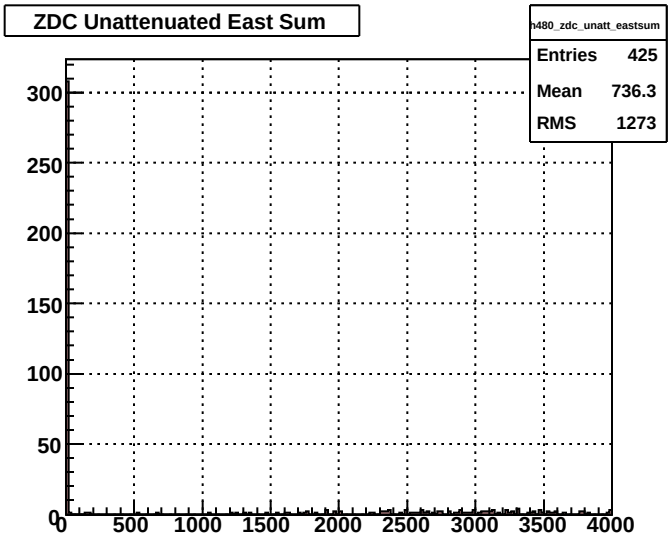
Tue May 10 23:13:03 2011

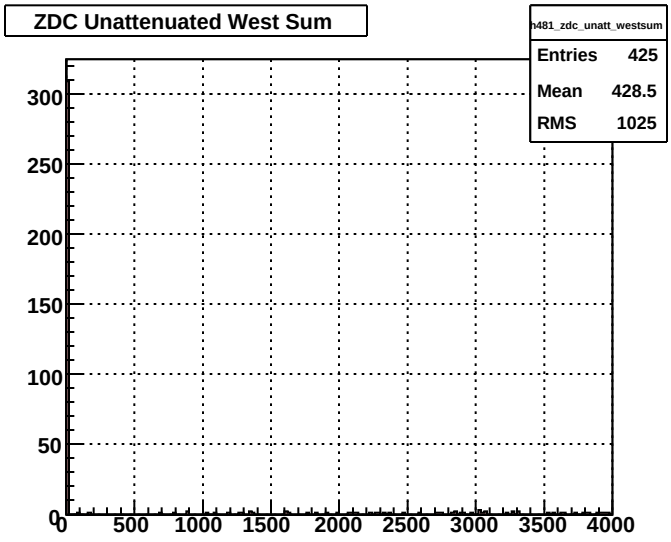

ZDC Time East
h76_zdc_time_east
Entries 115
Mean 1740
RMS 173

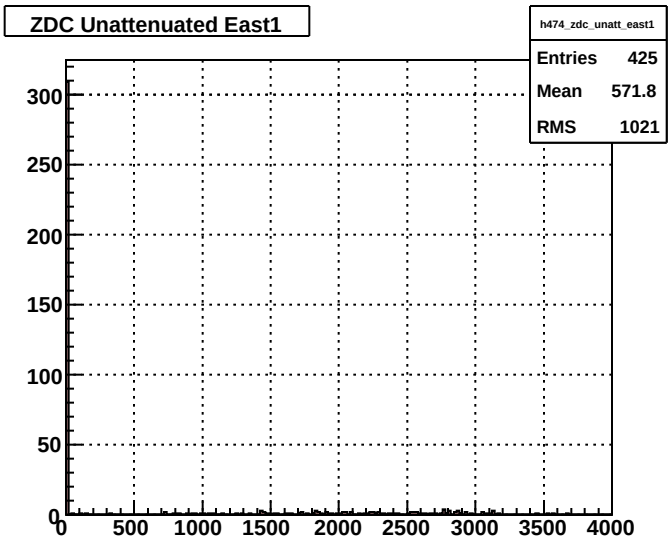

ZDC Time West
h77_zdc_time_west
Entries 115
Mean 1673
RMS 167.6

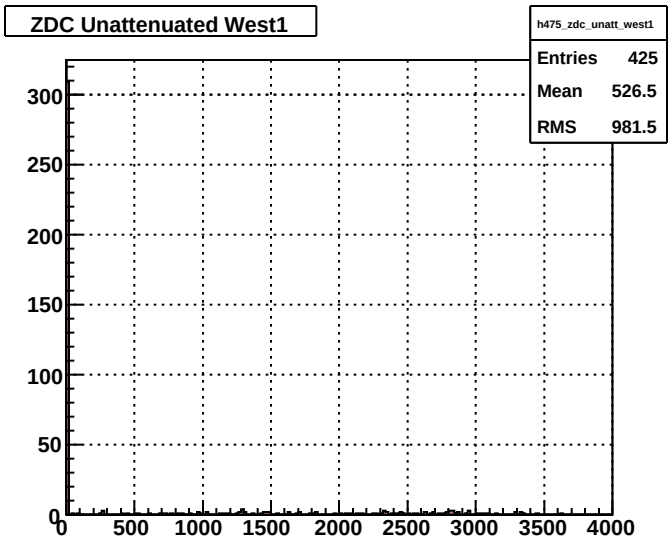

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 113
Mean -71.76
RMS 89.65


Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 113
Mean -21.16
RMS 21.35


ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 425
Mean 736.3
RMS 1273


ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 425
Mean 428.5
RMS 1025


ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 425
Mean 571.8
RMS 1021
0
50
100
150
200
250
300
0
500
1000
1500
2000
2500
3000
3500
4000


ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 425
Mean 526.5
RMS 981.5
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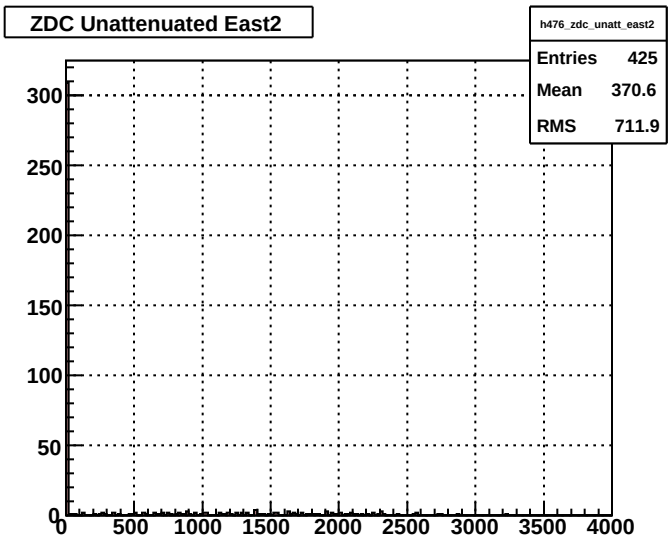
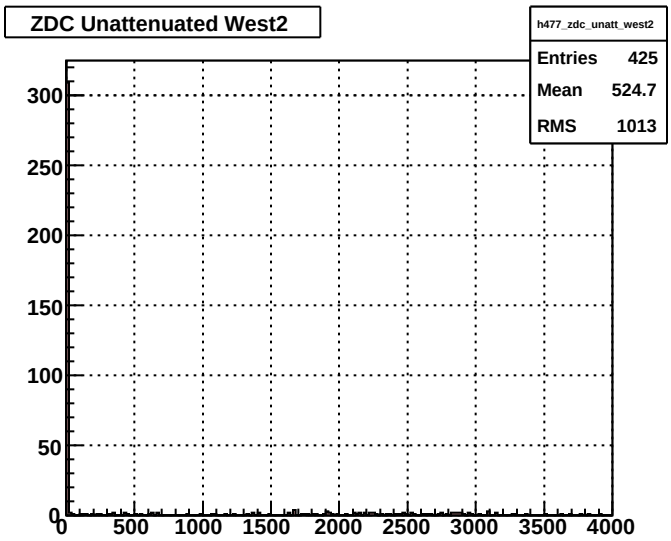
1000
1500
2000
2500
3000
3500
4000


ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 425
Mean 370.6
RMS 711.9
0
50
100
150
200
250
300
0
500
1000
1500
2000
2500
3000
3500
4000


ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 425
Mean 524.7
RMS 1013
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50
100
150
200
250
300
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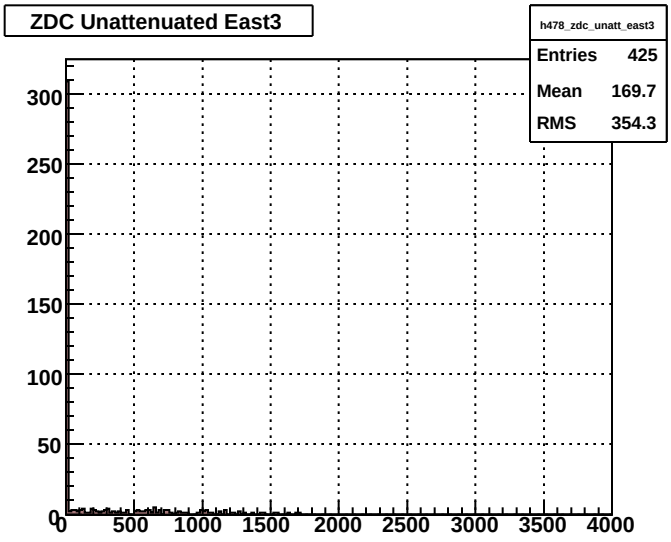
1000
1500
2000
2500
3000
3500
4000


ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 425
Mean 169.7
RMS 354.3
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50
100
150
200
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300
0
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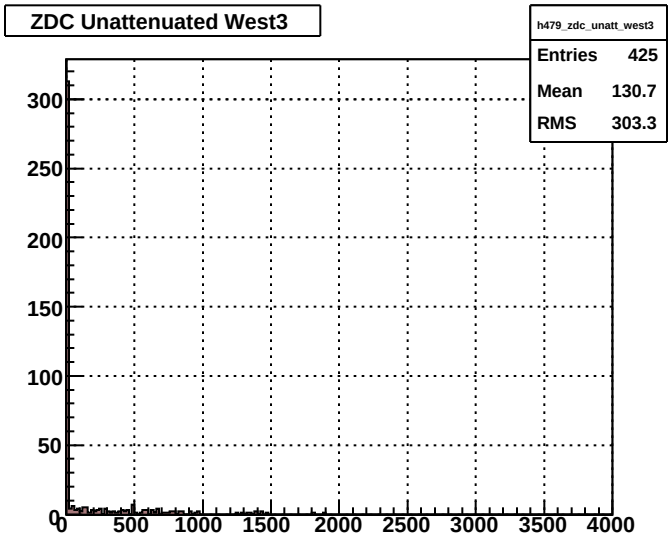
1000
1500
2000
2500
3000
3500
4000


ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 425
Mean 130.7
RMS 303.3
0
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100
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1000
1500
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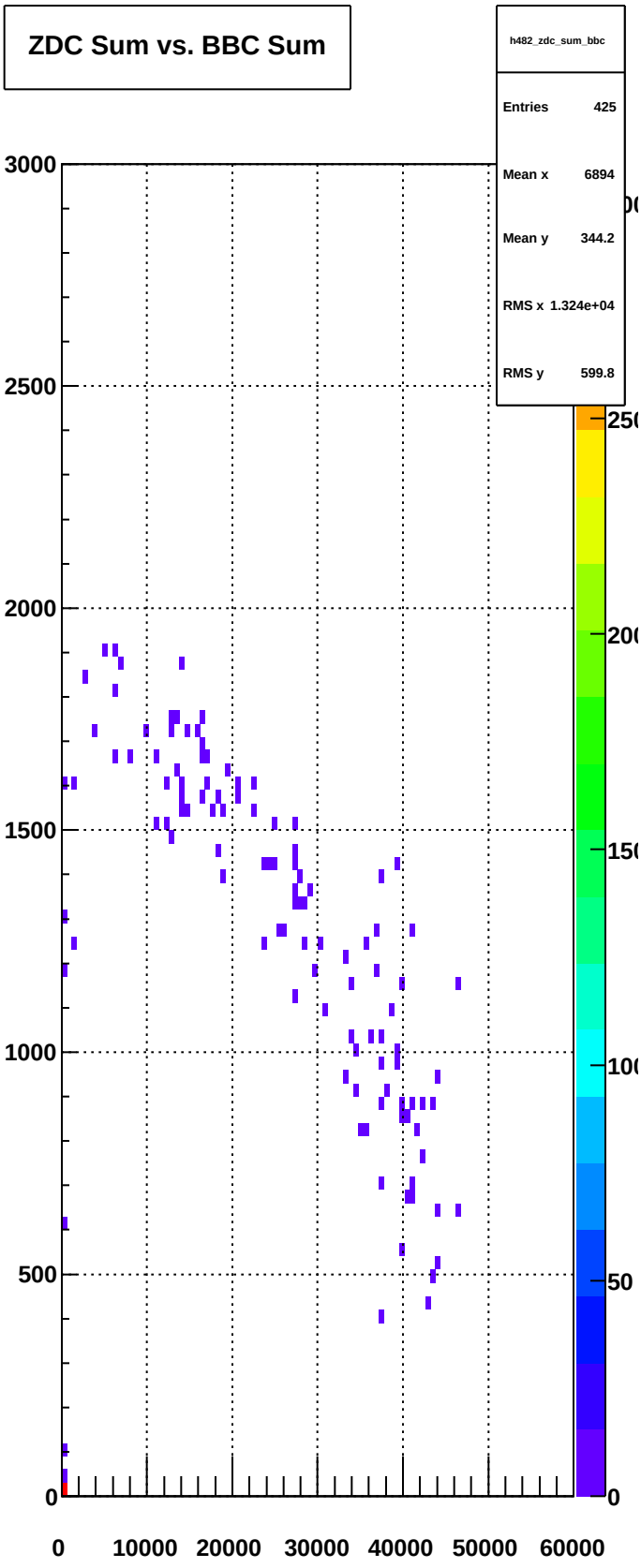
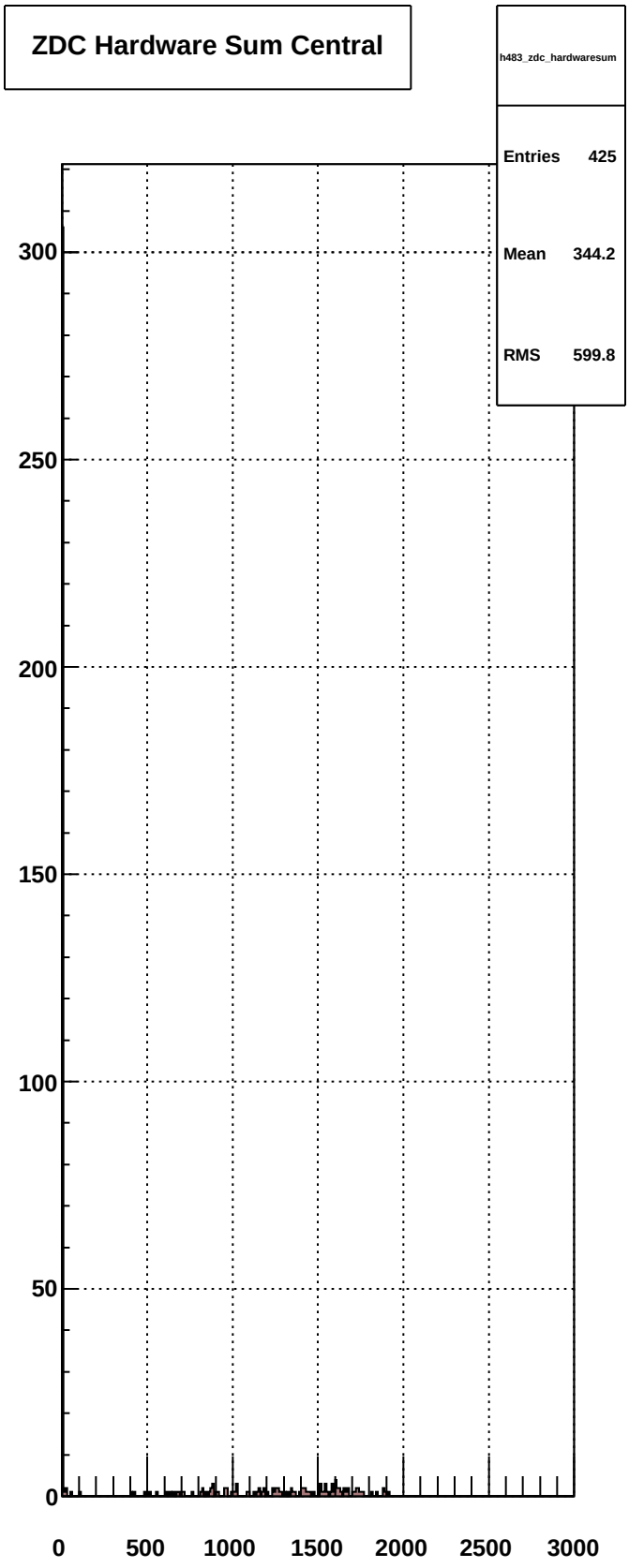
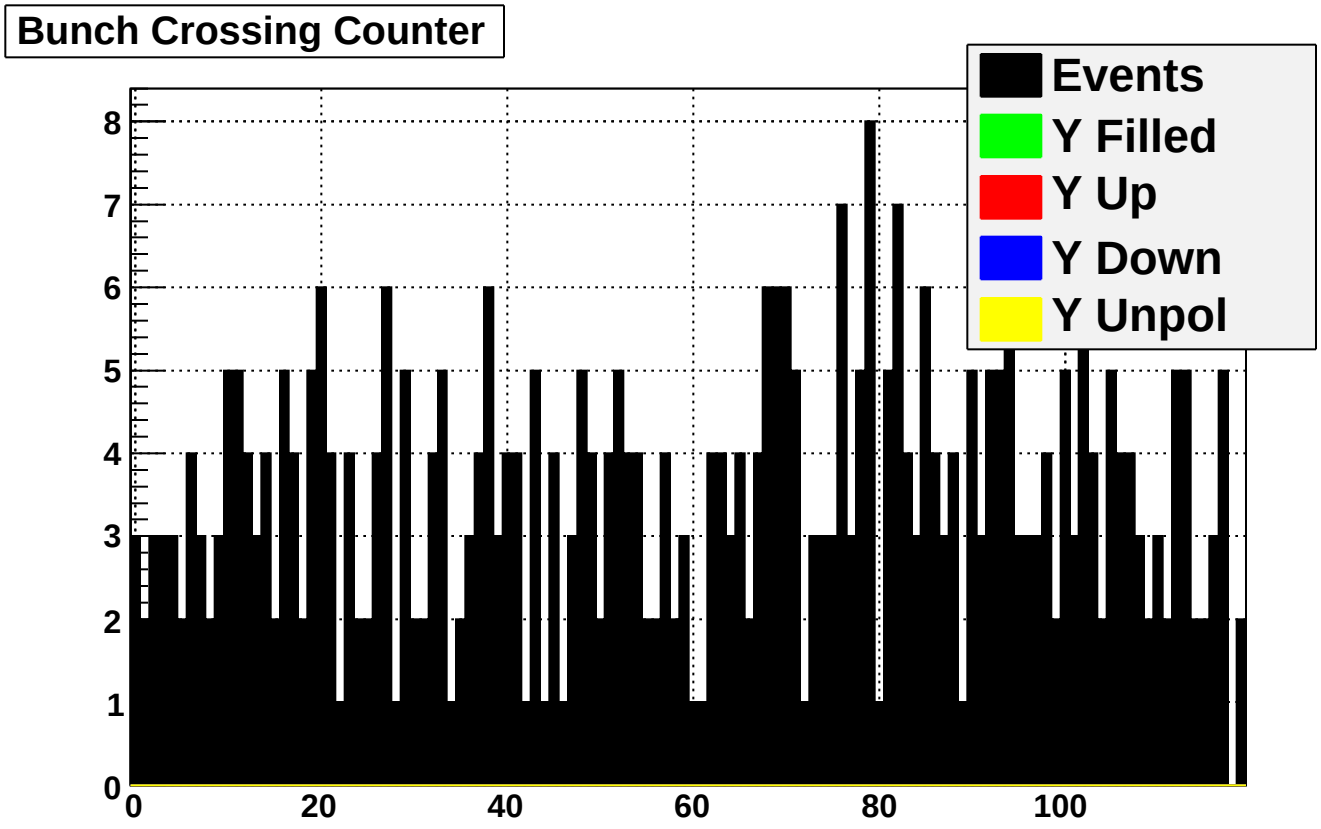
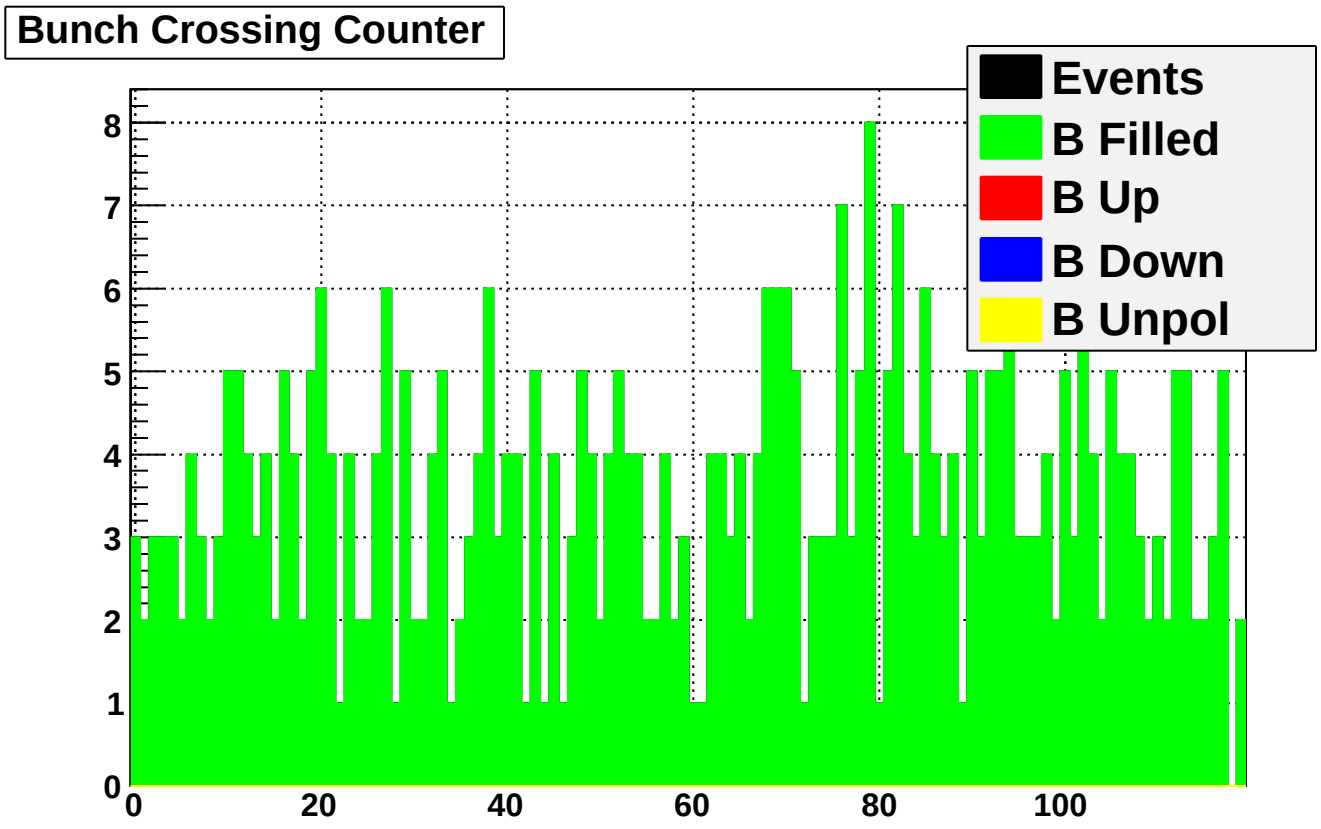
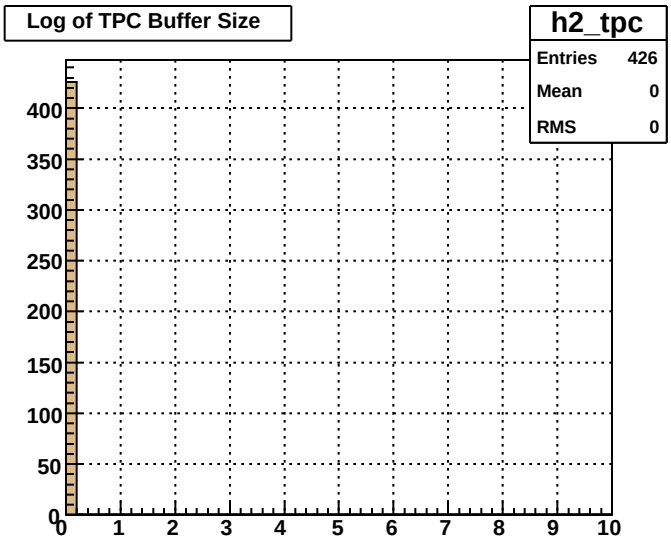
2500
3000
3500
4000

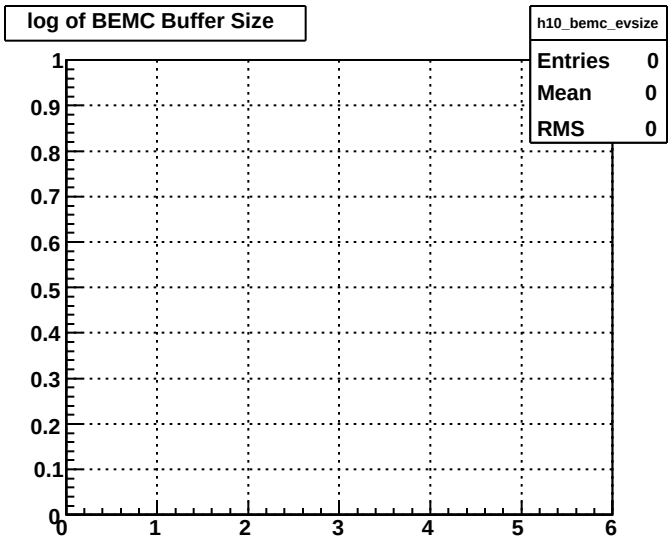

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 425
Mean x 6894
Mean y 344.2
RMS x 1.324e+04
RMS y 599.8
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
250
200
150
100
50
0

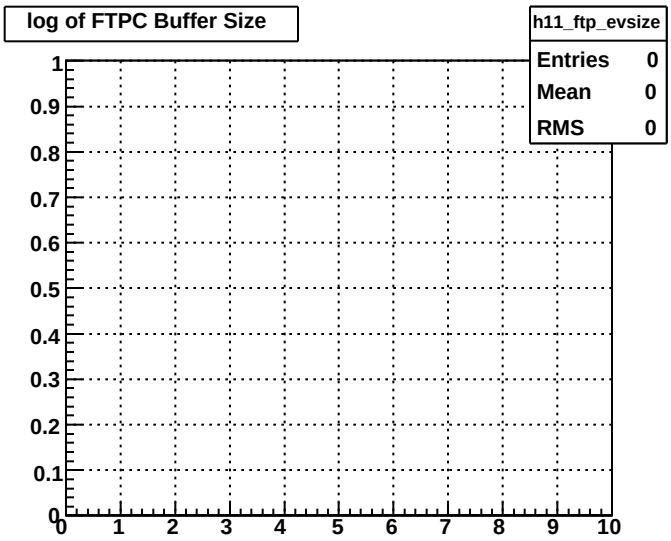

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 425
Mean 344.2
RMS 599.8
300
250
200
150
100
50
0
0
500
1000
1500
2000
2500
3000

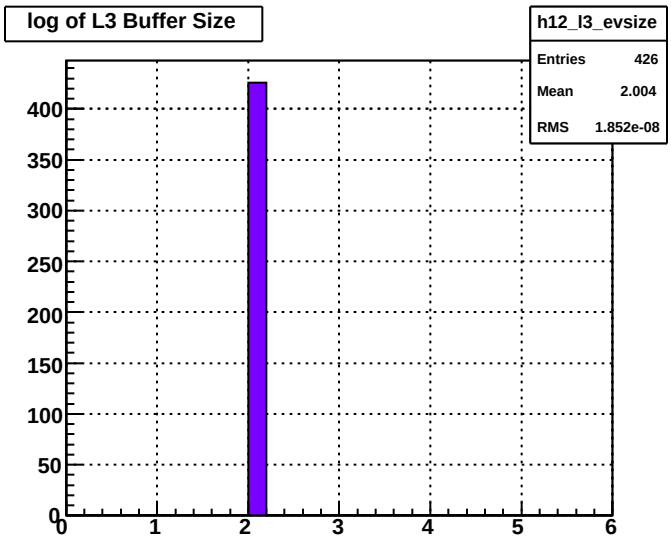

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100

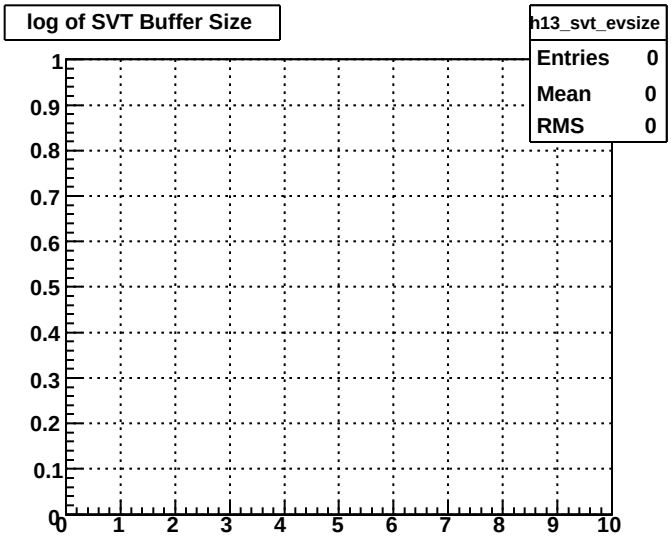

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100

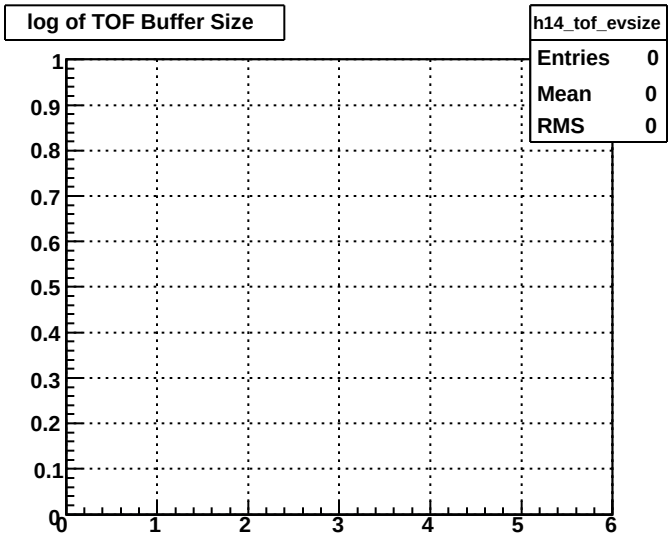

Log of TPC Buffer Size
h2_tpc
Entries 426
Mean 0
RMS 0

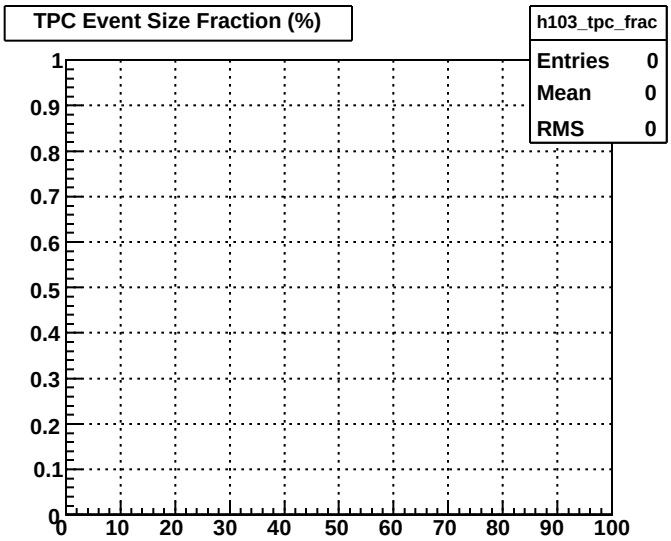

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

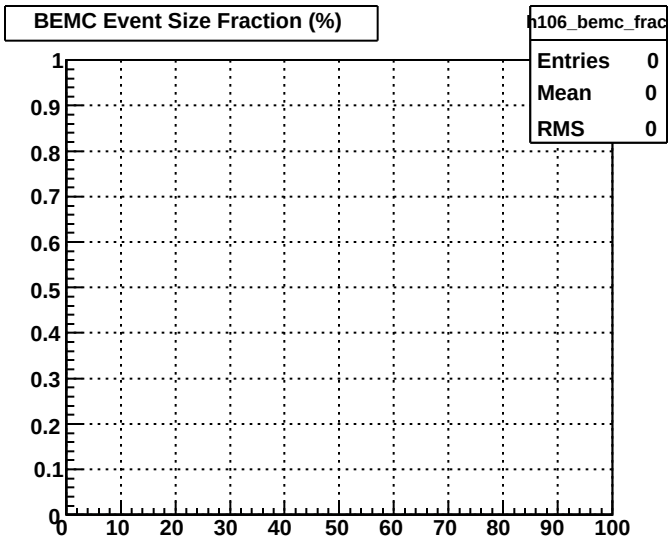

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

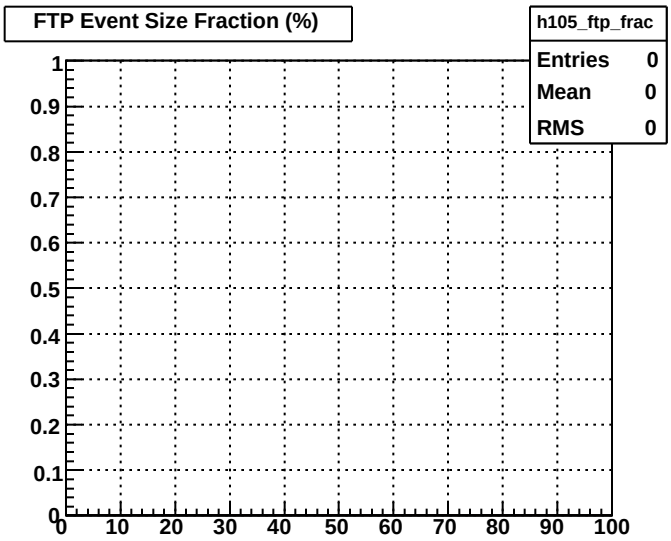

log of L3 Buffer Size
h12_l3_evsize
Entries 426
Mean 2.004
RMS 1.852e-08

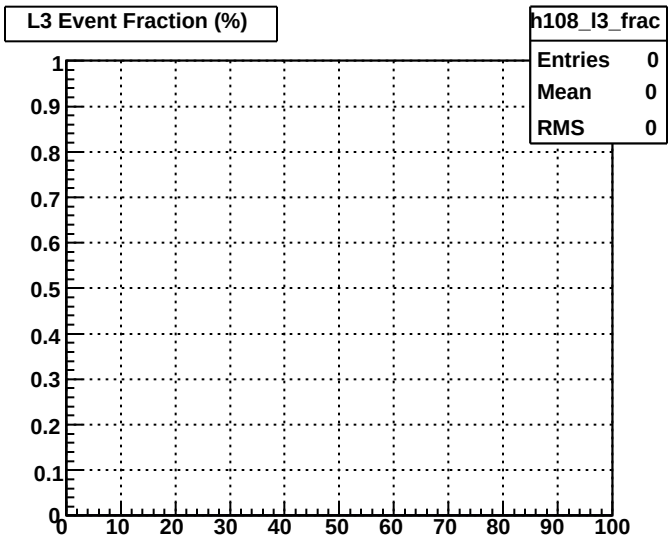

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

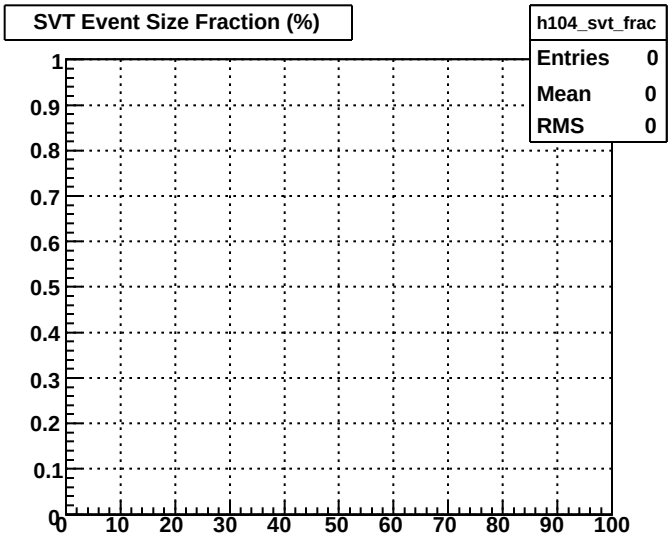

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

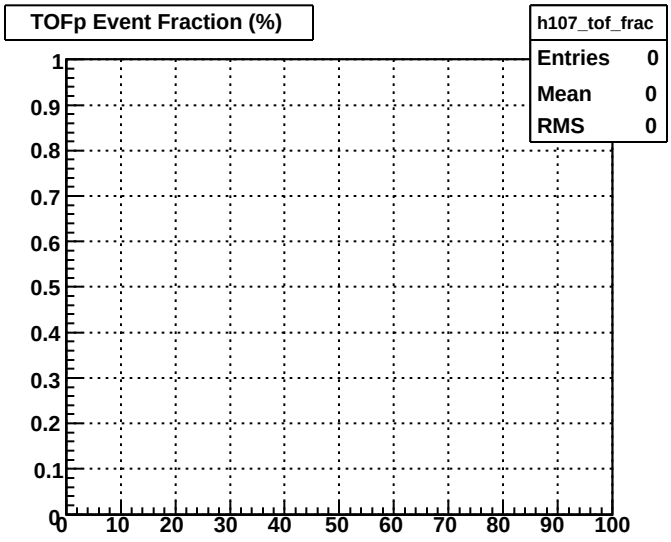

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

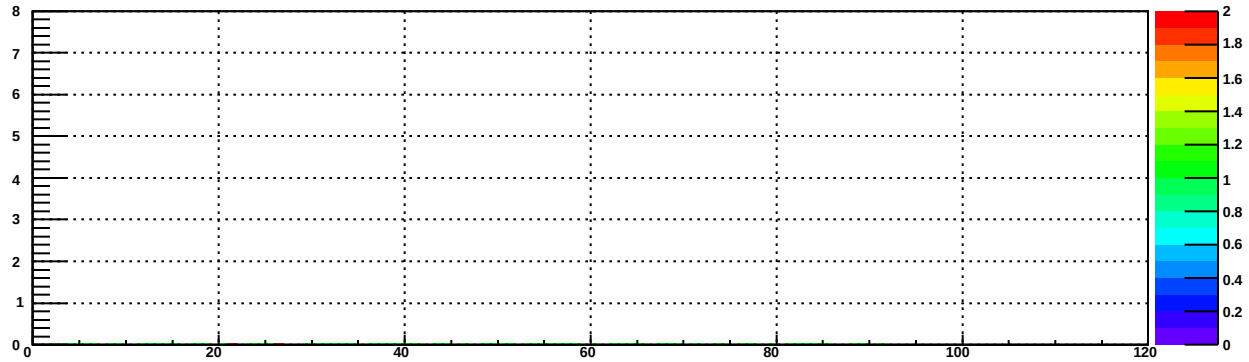

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

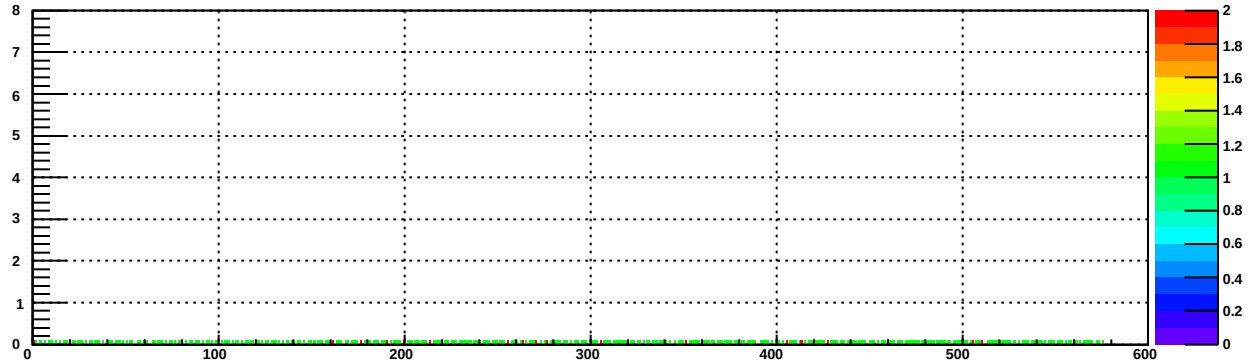

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

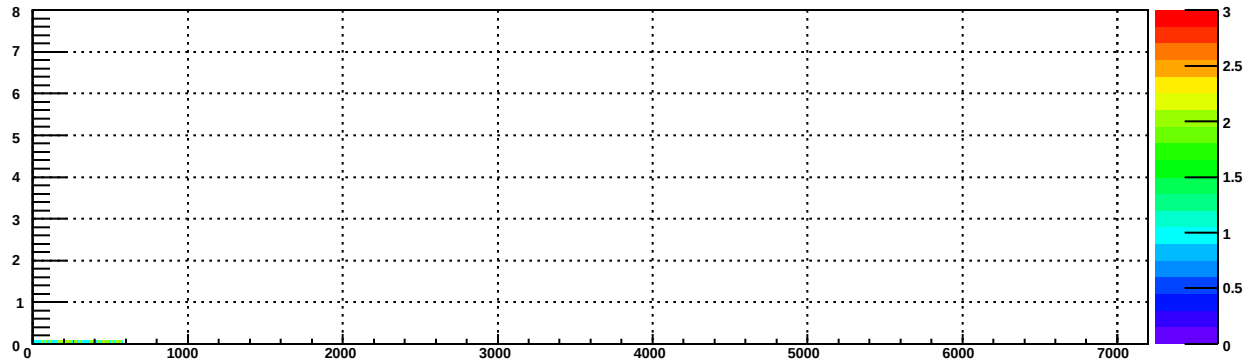
Event Size (Log10) vs time (sec)



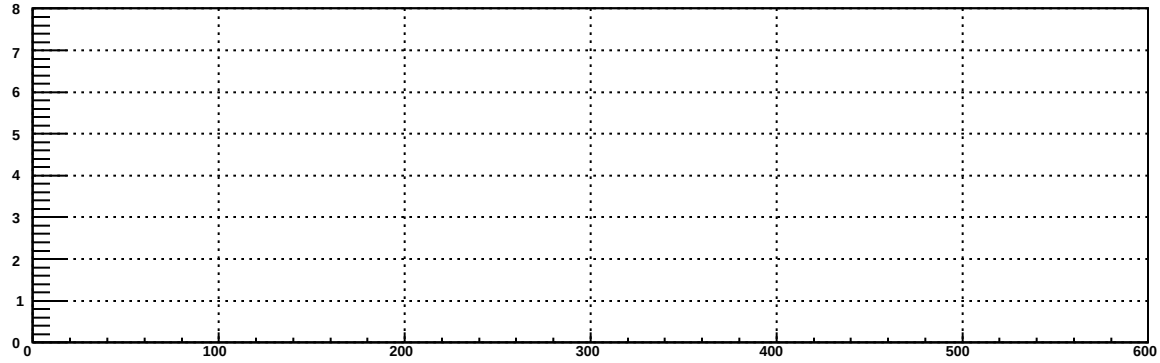
Event Size (Log10) vs time (sec)

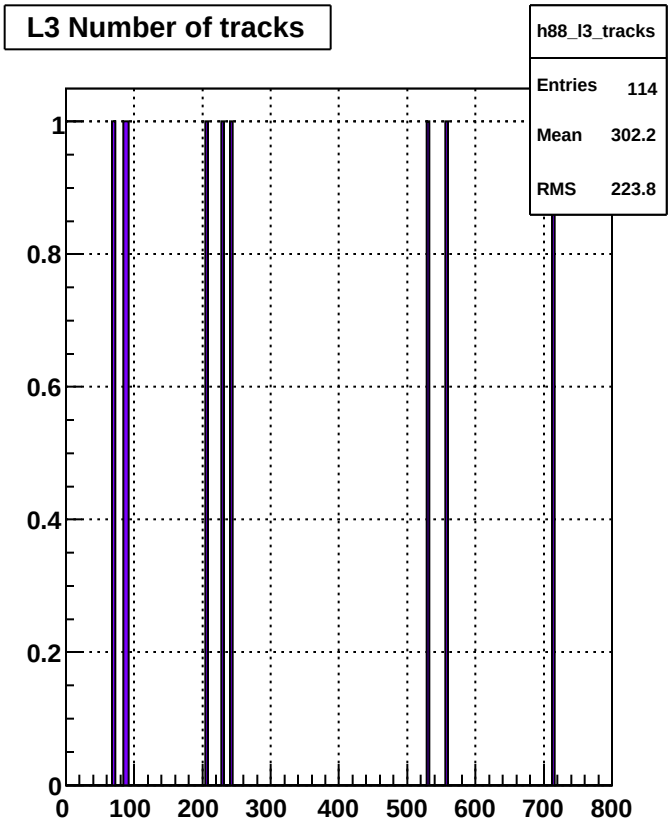


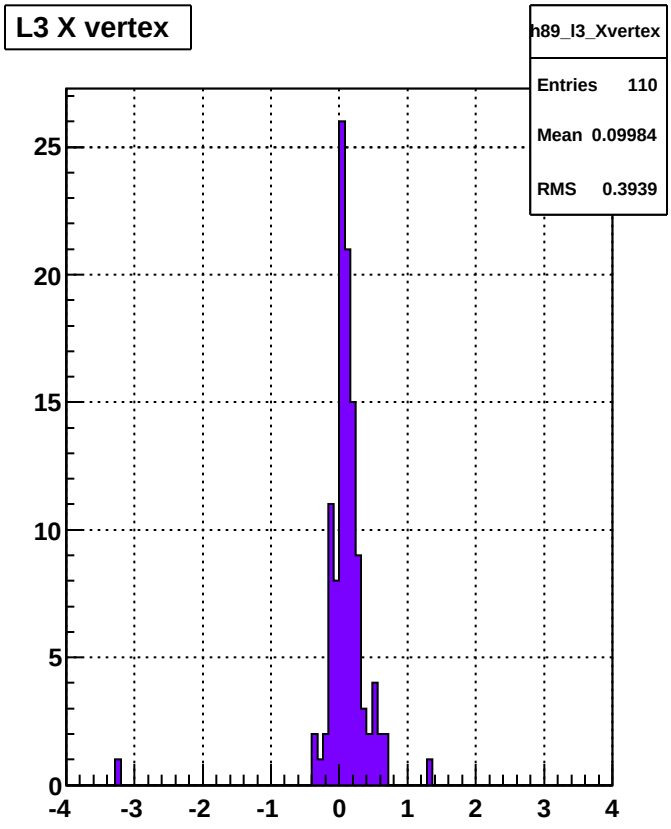
Event Size (Log10) vs time(sec)

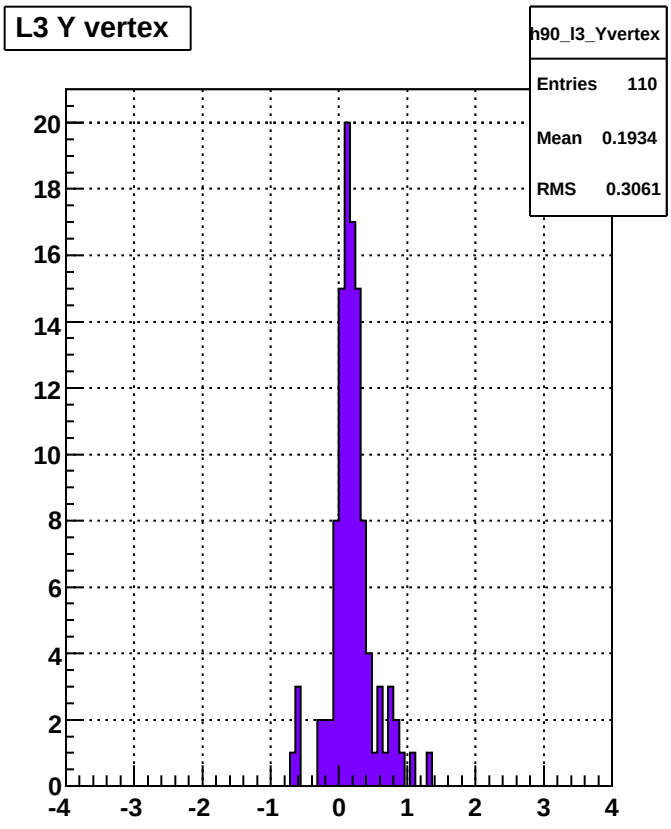


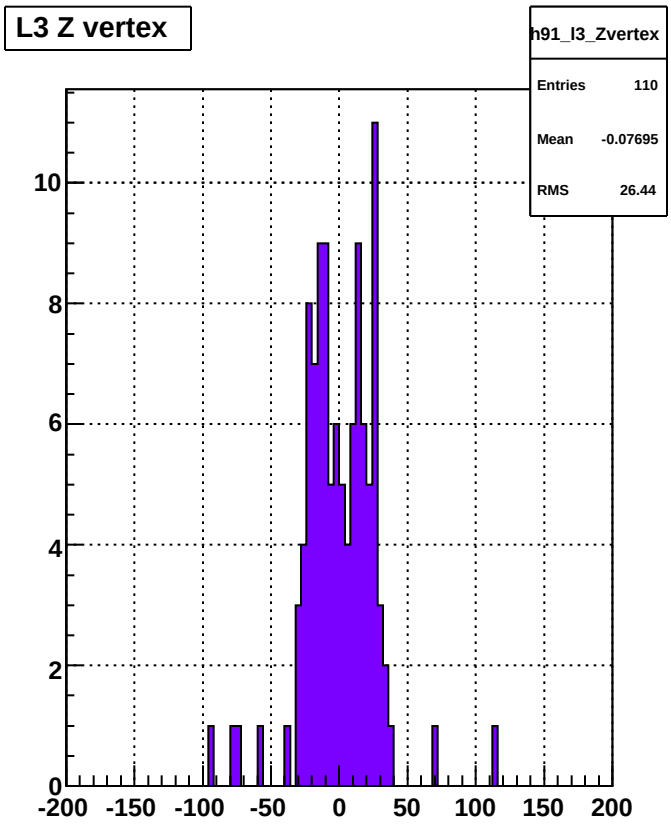
FTPC Event Size vs time(sec)



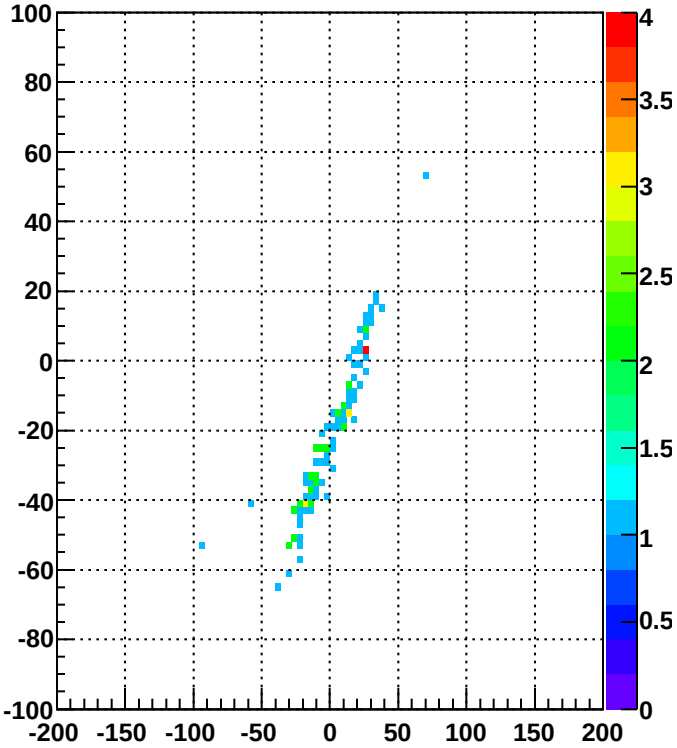

L3 Number of tracks
h88_l3_tracks
Entries 114
Mean 302.2
RMS 223.8


L3 X vertex
h89_l3_Xvertex
Entries 110
Mean 0.09984
RMS 0.3939

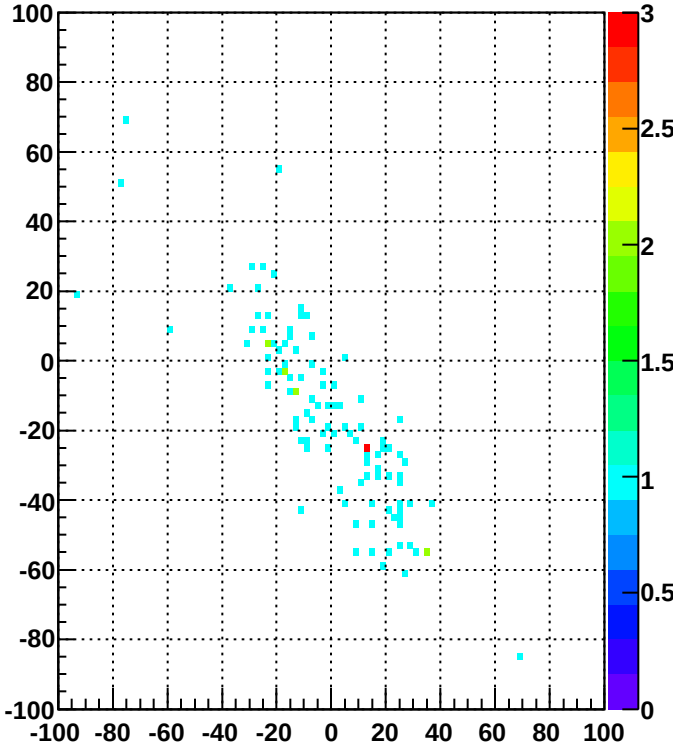

L3 Y vertex
h90_l3_Yvertex
Entries 110
Mean 0.1934
RMS 0.3061


L3 Z vertex
h91_l3_Zvertex
Entries 110
Mean -0.07695
RMS 26.44

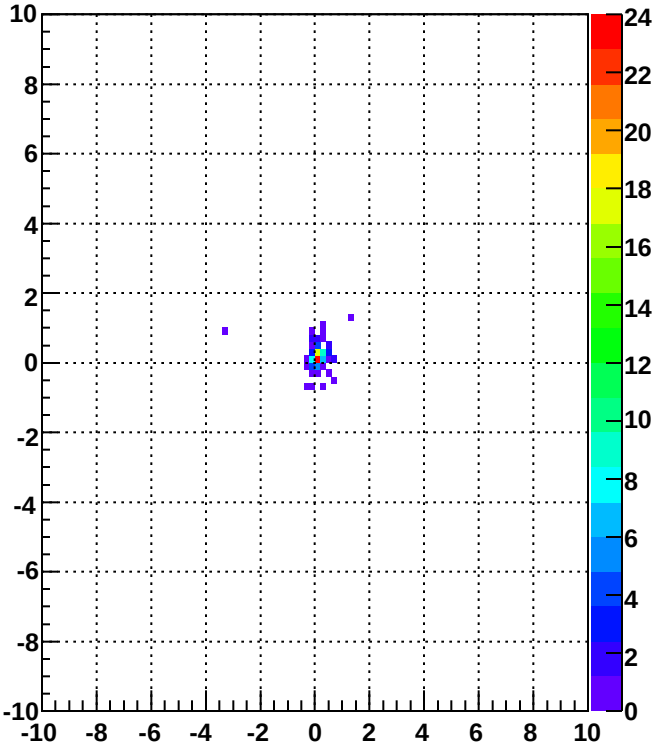
ZDC Vertex vs L3 Vertex



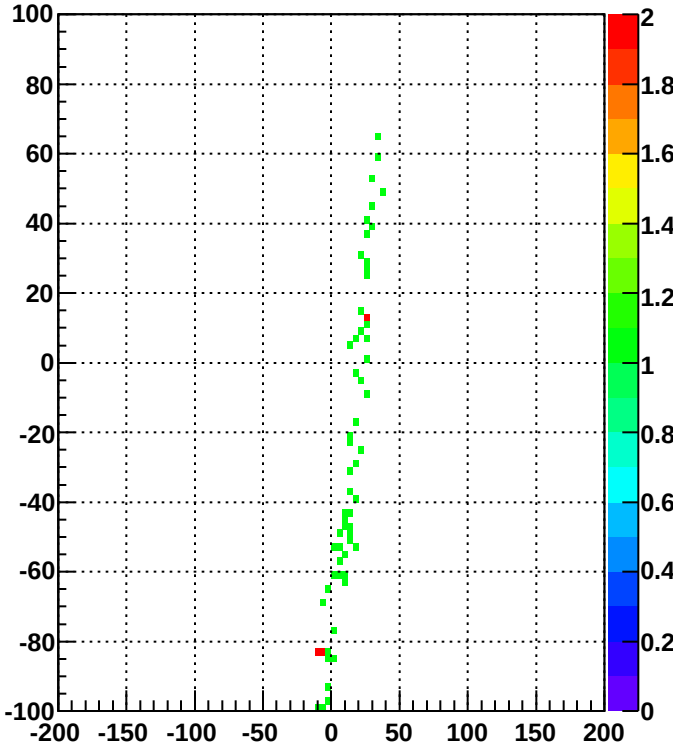
BBC Vertex vs L3 Vertex

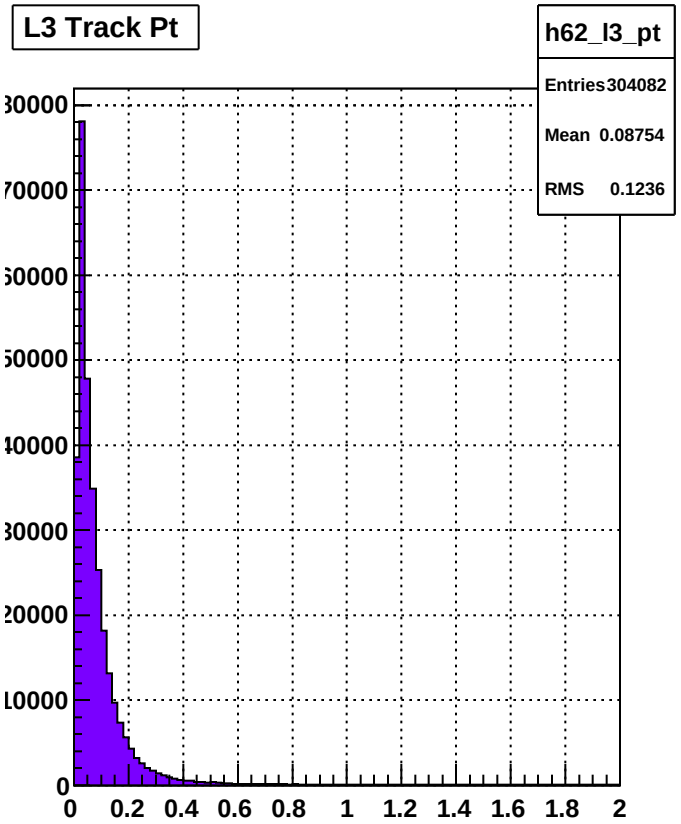


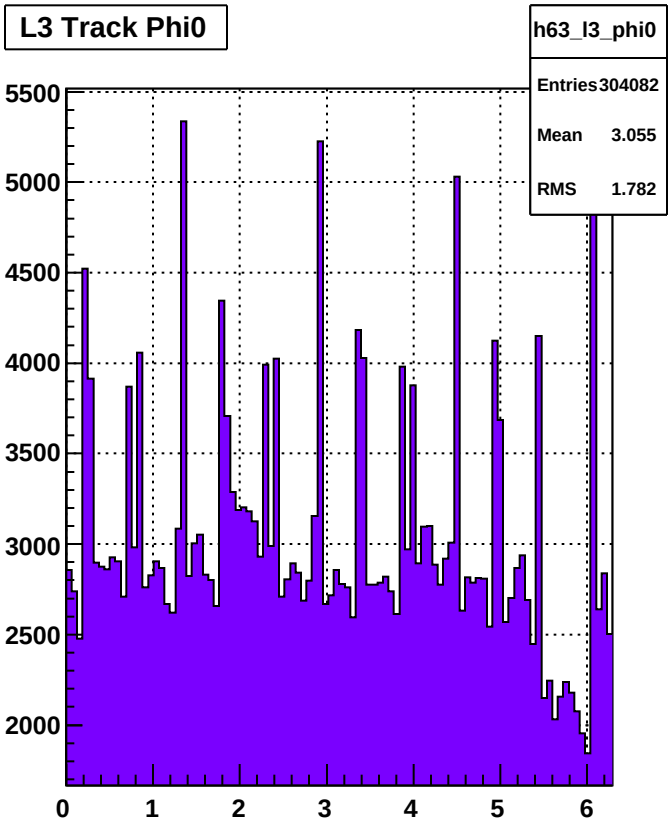
L3 Vertex Y vs X

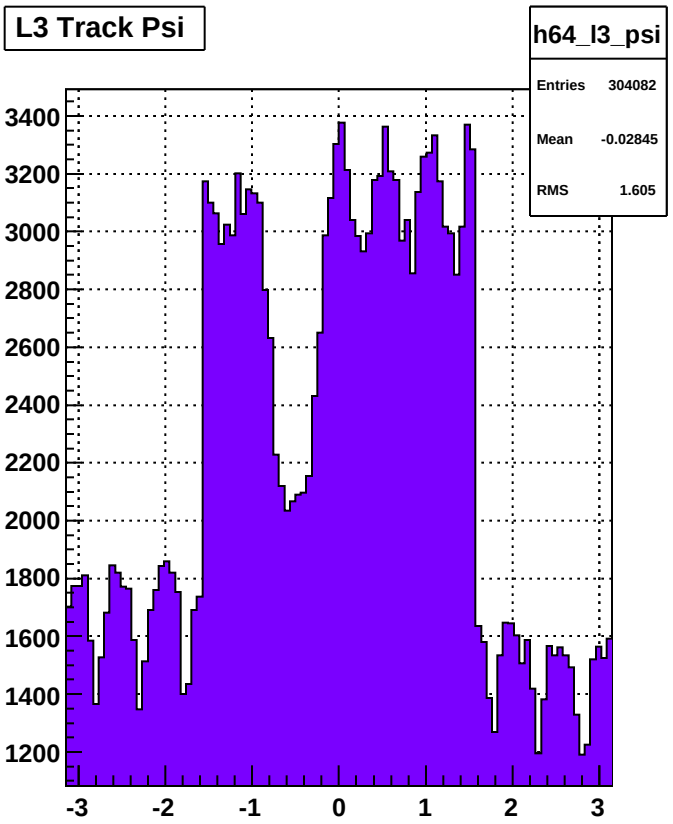


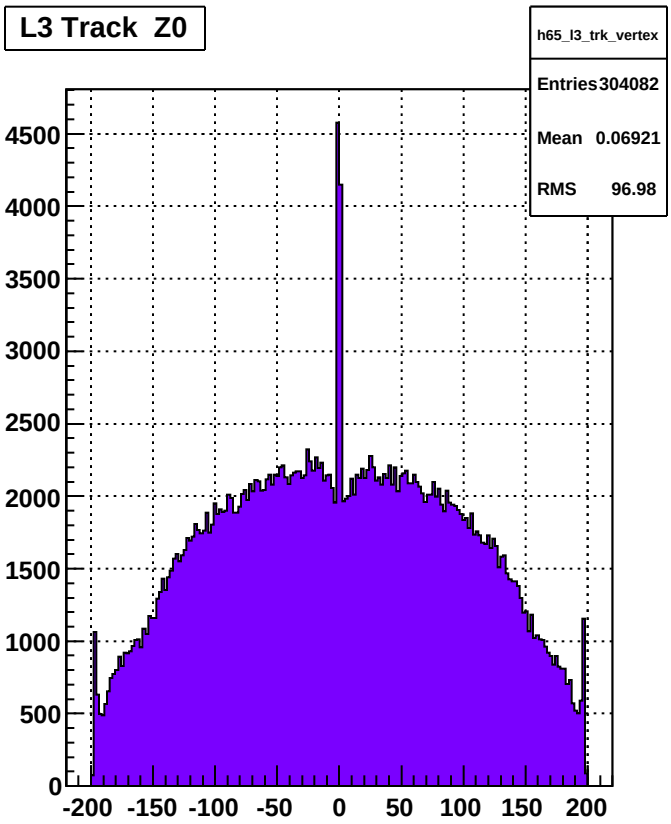
L3 Vertex-Z vs ZDC Timing difference

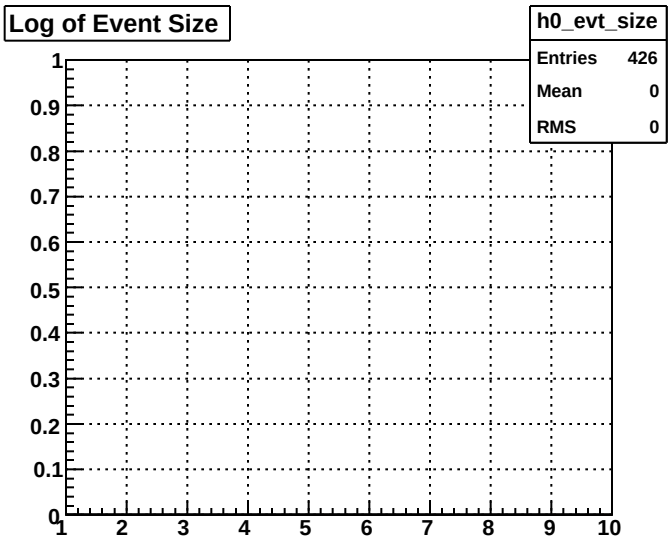


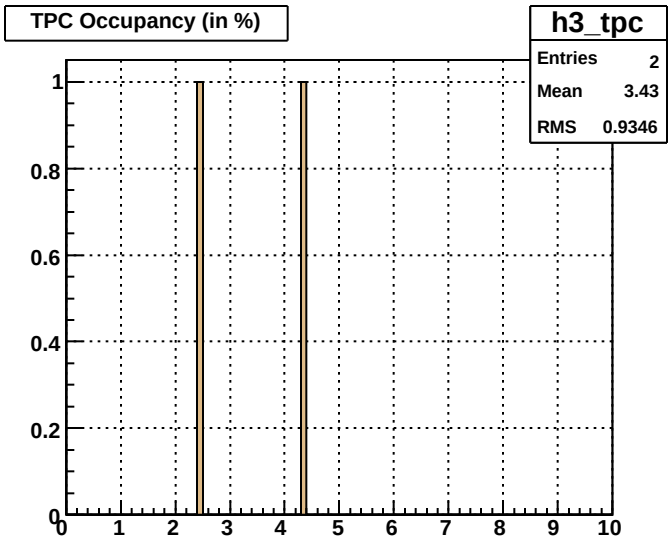

L3 Track Pt
h62_l3_pt
Entries 304082
Mean 0.08754
RMS 0.1236
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

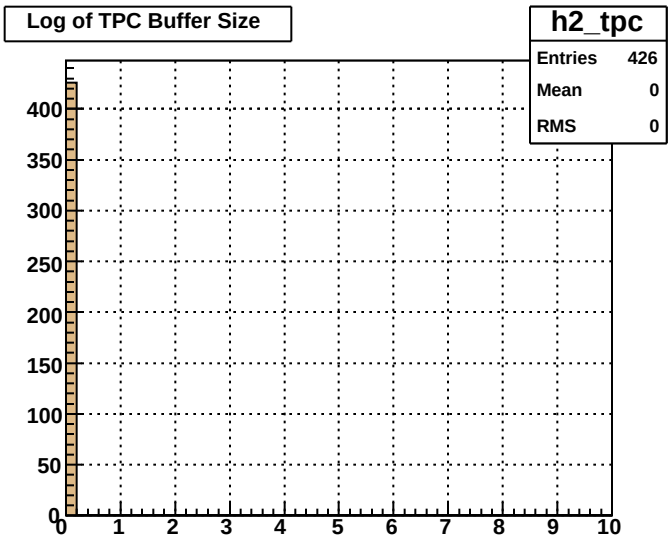

L3 Track Phi0
h63_l3_phi0
Entries 304082
Mean 3.055
RMS 1.782
5500 5000 4500 4000 3500 3000 2500 2000
0 1 2 3 4 5 6

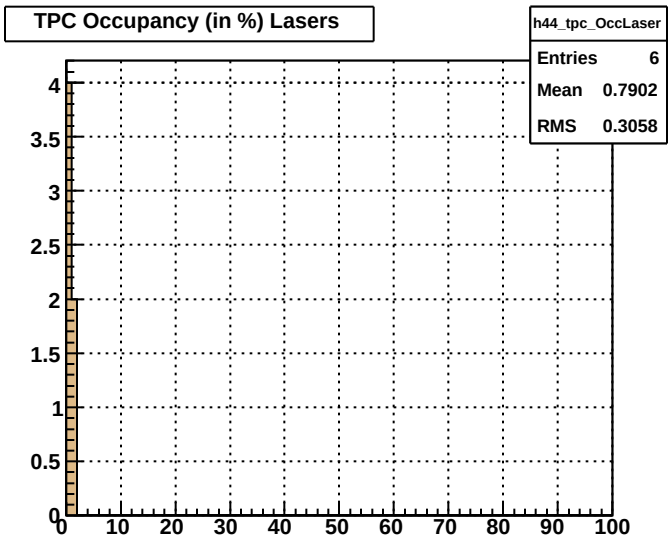

L3 Track Psi
h64_l3_psi
Entries 304082
Mean -0.02845
RMS 1.605
3400 3200 3000 2800 2600 2400 2200 2000 1800 1600 1400 1200
-3 -2 -1 0 1 2 3

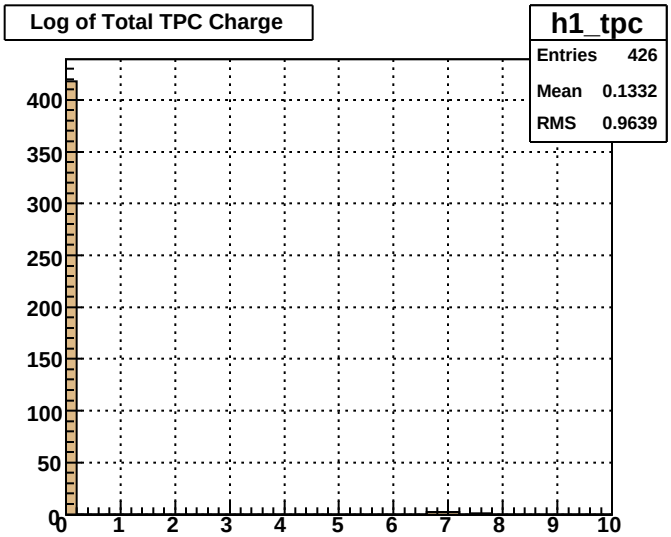

L3 Track Z0
h65_l3_trk_vertex
Entries 304082
Mean 0.06921
RMS 96.98
4500 4000 3500 3000 2500 2000 1500 1000 500 0
-200 -150 -100 -50 0 50 100 150 200

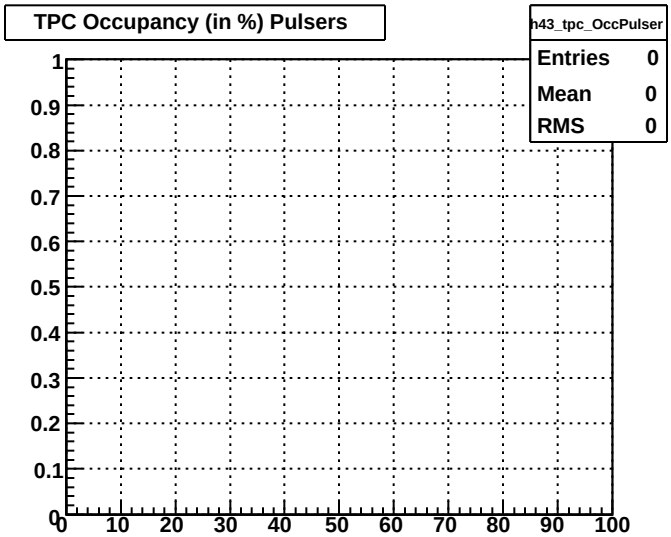

Log of Event Size
h0_evt_size
Entries 426
Mean 0
RMS 0


TPC Occupancy (in %)
h3_tpc
Entries 2
Mean 3.43
RMS 0.9346

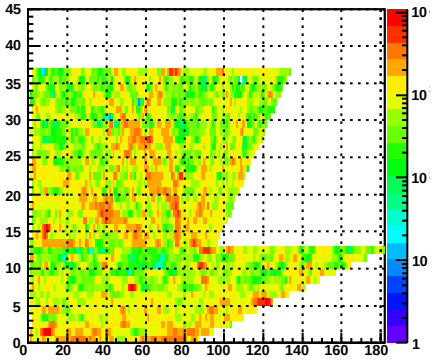

Log of TPC Buffer Size
h2_tpc
Entries 426
Mean 0
RMS 0


TPC Occupancy (in %) Lasers
h44_tpc_OccLaser
Entries 6
Mean 0.7902
RMS 0.3058

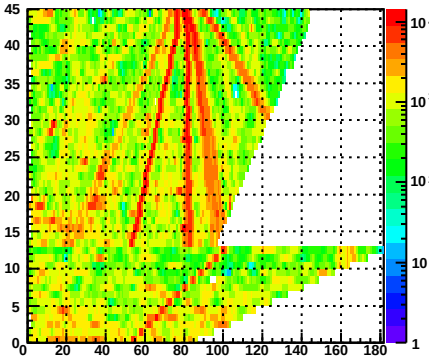

Log of Total TPC Charge
h1_tpc
Entries 426
Mean 0.1332
RMS 0.9639


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

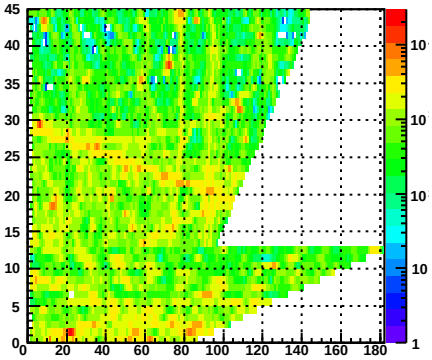
Sec. 1 charge per pad



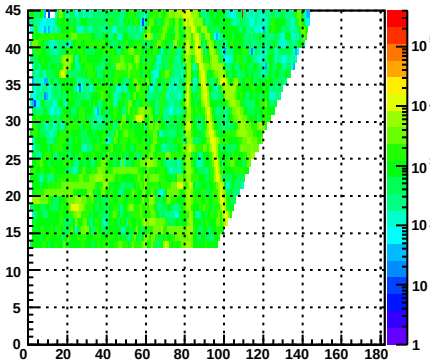
Sec. 2 charge per pad



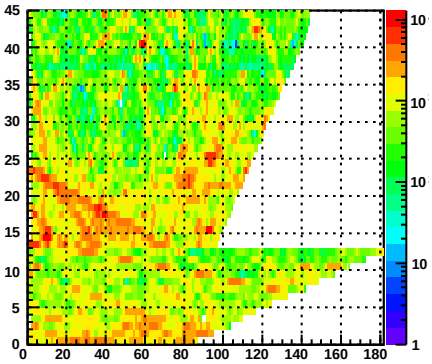
Sec. 3 charge per pad



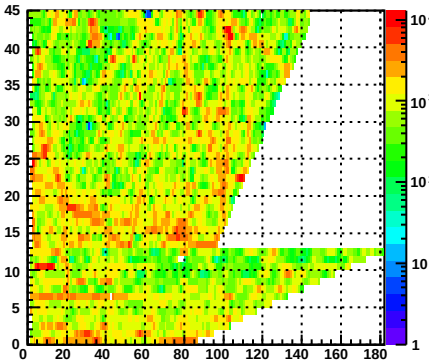
Sec. 4 charge per pad



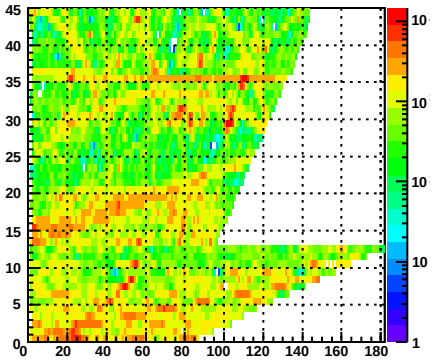
Sec. 5 charge per pad



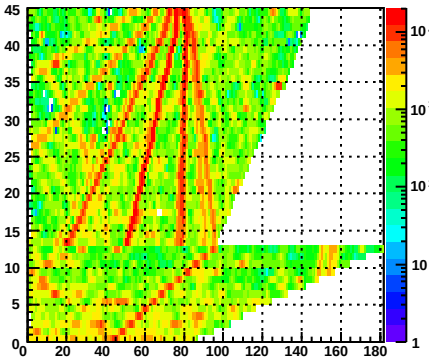
Sec. 6 charge per pad



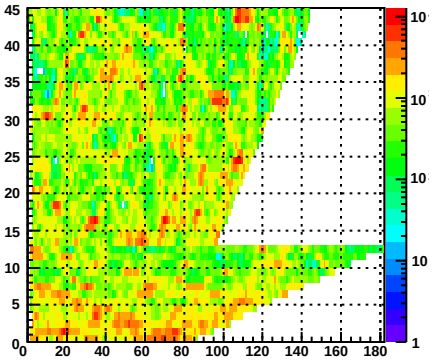
Sec. 7 charge per pad



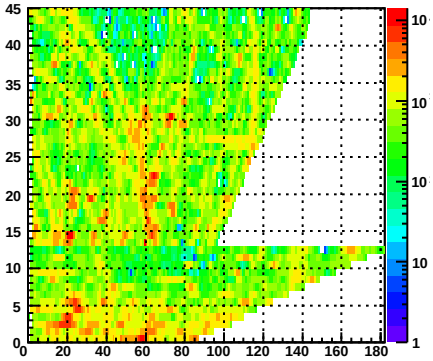
Sec. 8 charge per pad



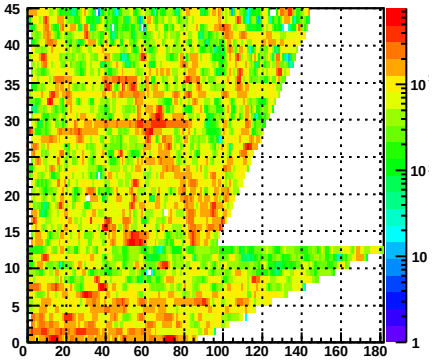
Sec. 9 charge per pad



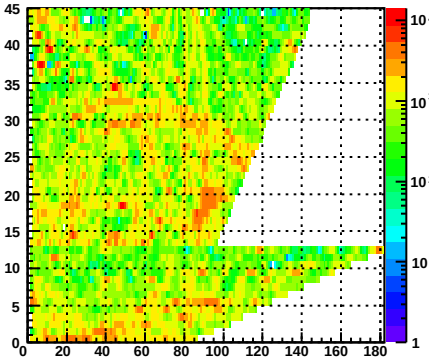
Sec. 10 charge per pad



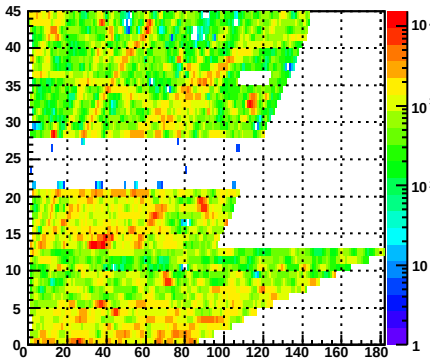
Sec. 11 charge per pad



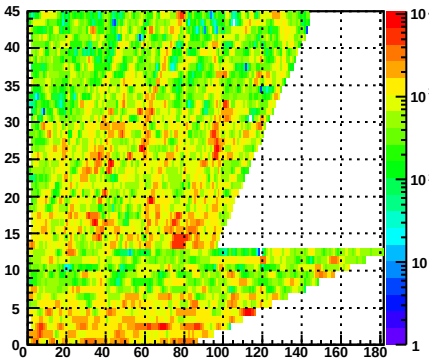
Sec. 12 charge per pad



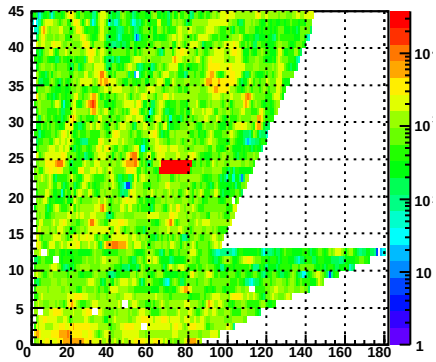
Sec. 13 charge per pad



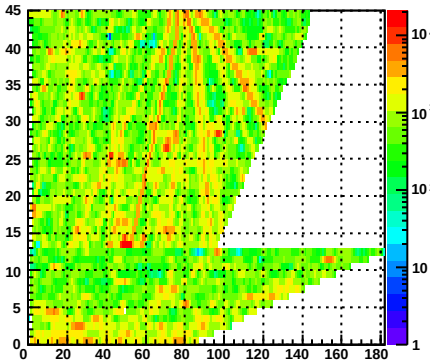
Sec. 14 charge per pad



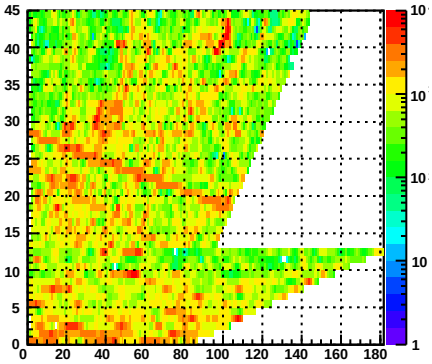
Sec. 15 charge per pad



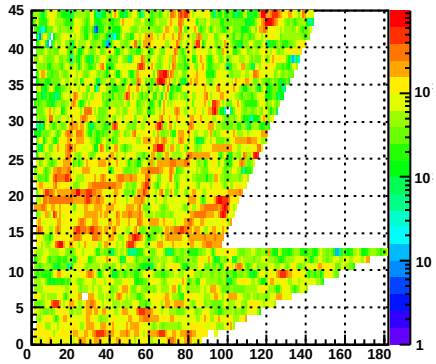
Sec. 16 charge per pad



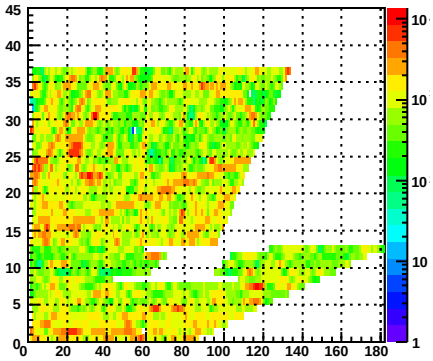
Sec. 17 charge per pad



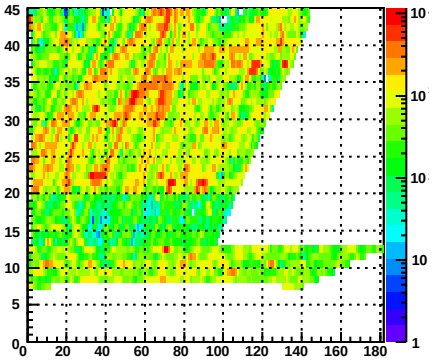
Sec. 18 charge per pad



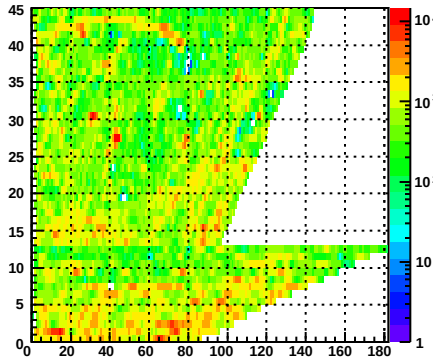
Sec. 19 charge per pad



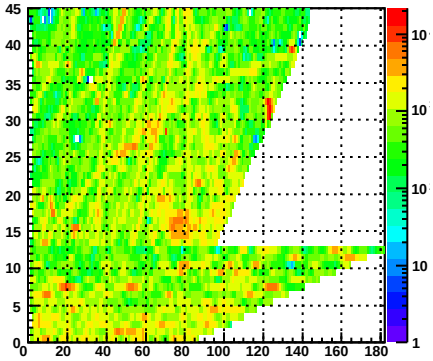
Sec. 20 charge per pad



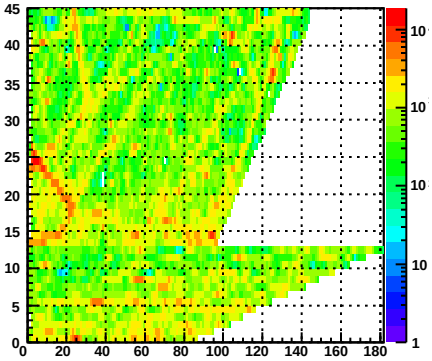
Sec. 21 charge per pad



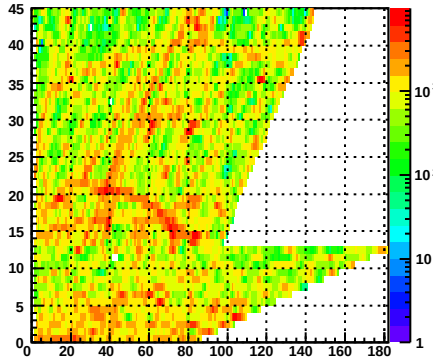
Sec. 22 charge per pad

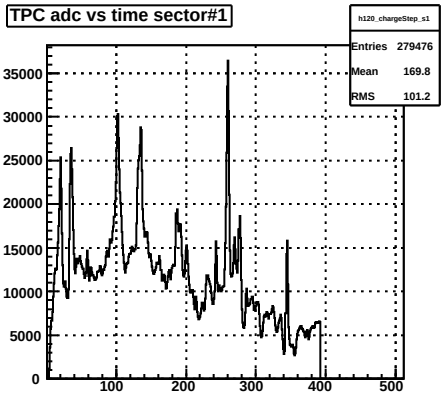


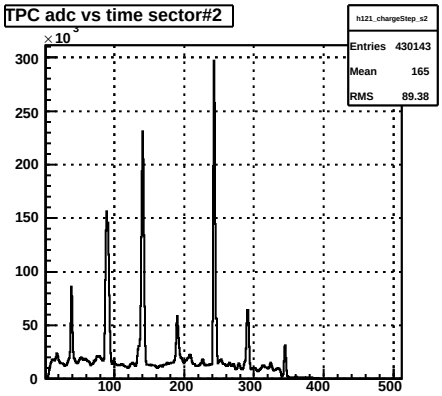
Sec. 23 charge per pad

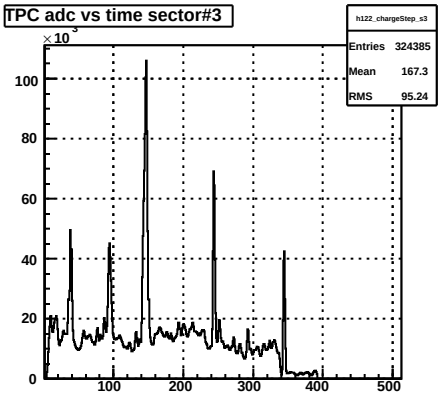


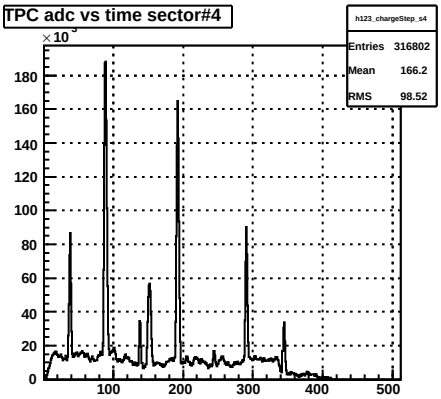
Sec. 24 charge per pad

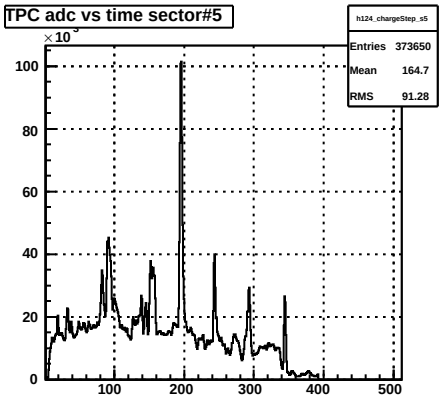


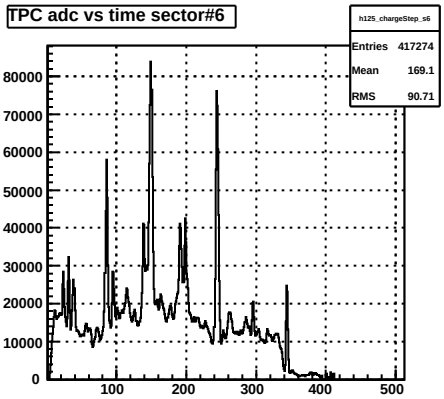

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 279476
Mean 169.8
RMS 101.2

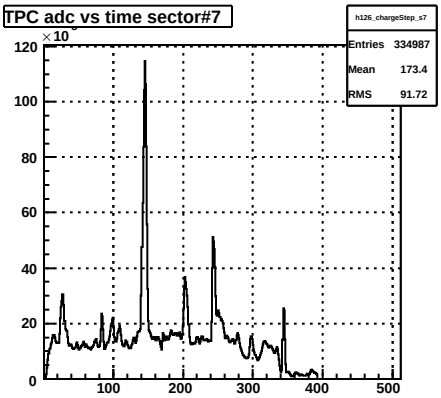

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 430143
Mean 165
RMS 89.38

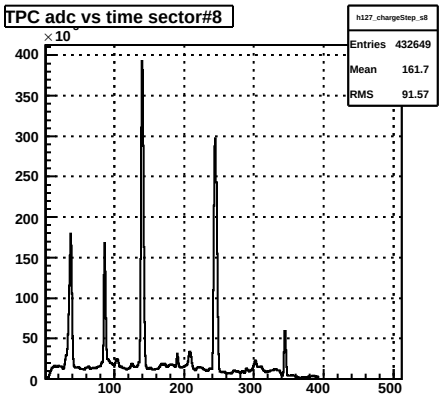

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 324385
Mean 167.3
RMS 95.24

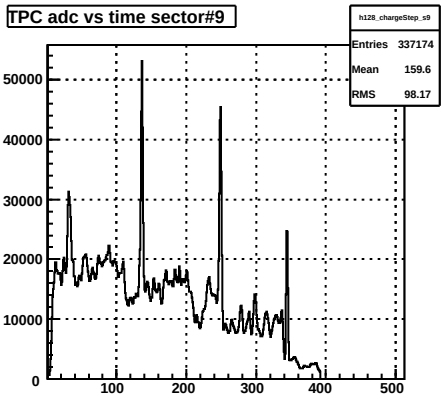

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 316802
Mean 166.2
RMS 98.52

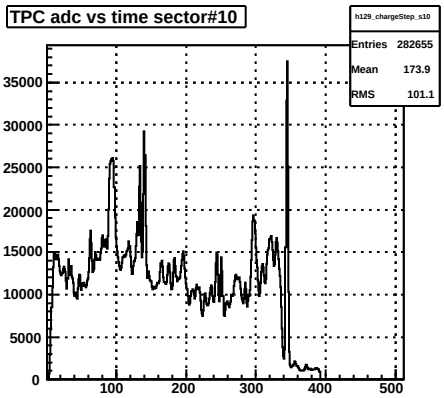

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 373650
Mean 164.7
RMS 91.28

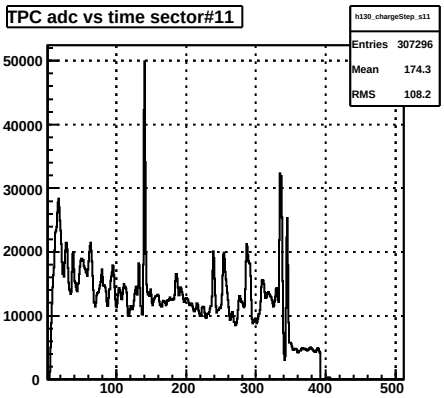

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 417274
Mean 169.1
RMS 90.71

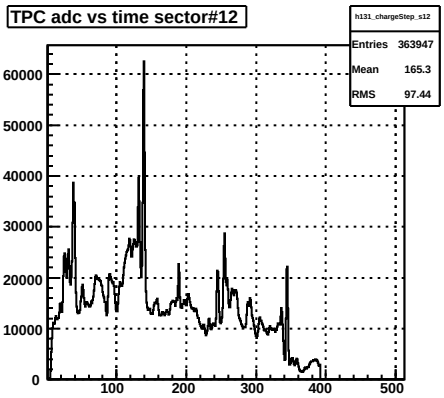

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 334987
Mean 173.4
RMS 91.72

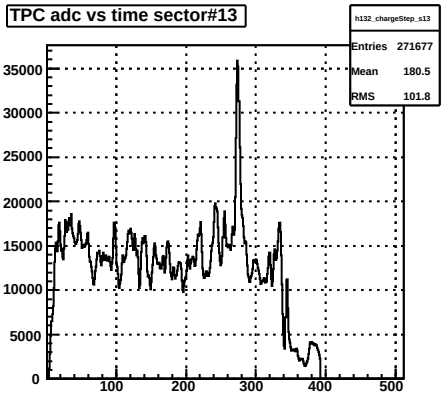

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 432649
Mean 161.7
RMS 91.57

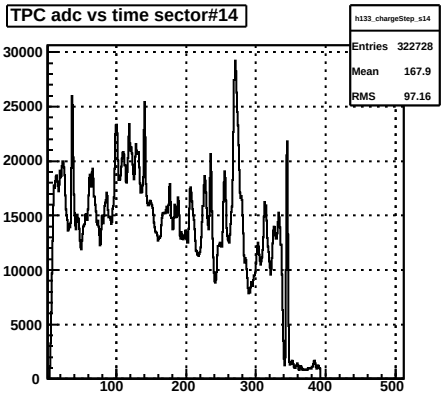

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 337174
Mean 159.6
RMS 98.17

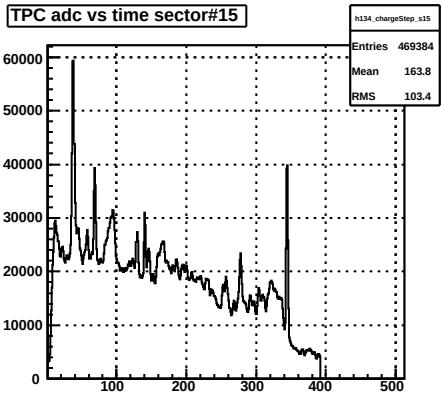

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 282655
Mean 173.9
RMS 101.1

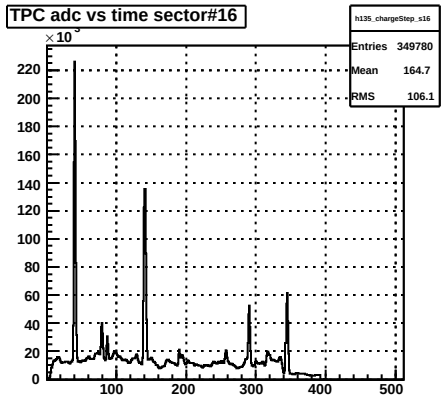

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 307296
Mean 174.3
RMS 108.2

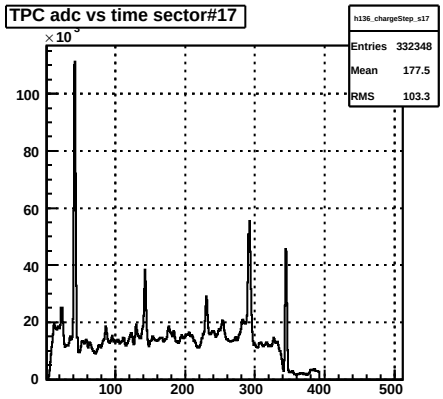

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 363947
Mean 165.3
RMS 97.44

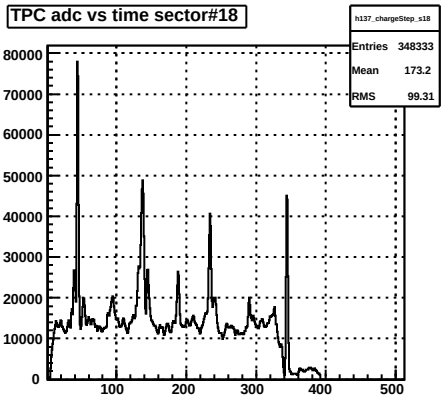

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 271677
Mean 180.5
RMS 101.8

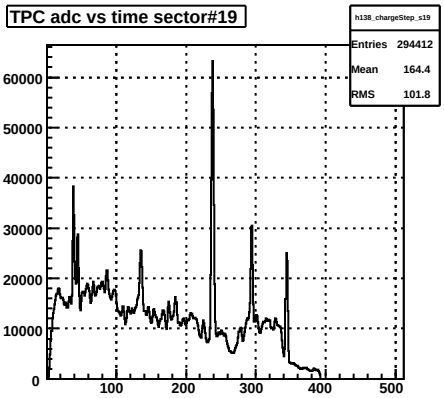

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 322728
Mean 167.9
RMS 97.16

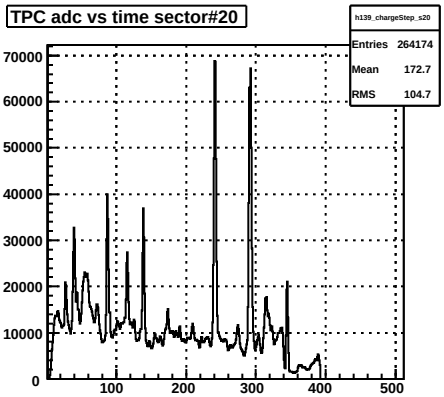

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 469384
Mean 163.8
RMS 103.4

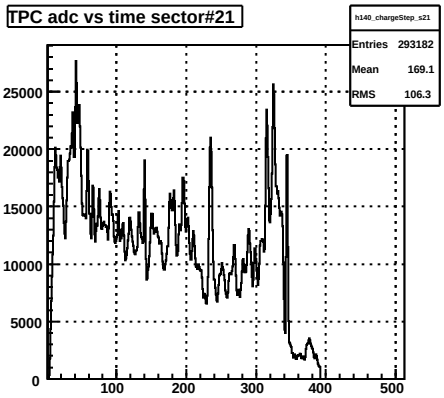

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 349780
Mean 164.7
RMS 106.1

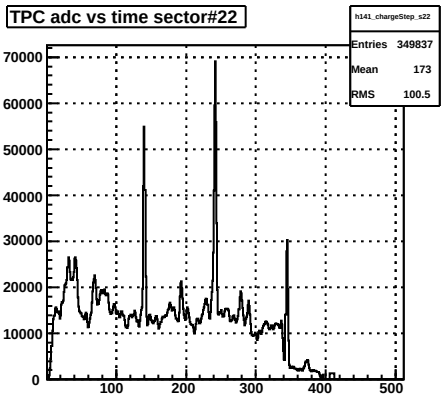

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 332348
Mean 177.5
RMS 103.3

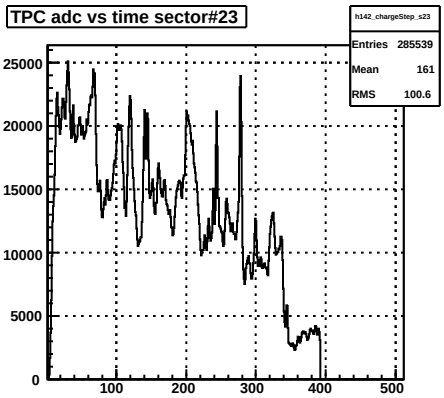

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 348333
Mean 173.2
RMS 99.31

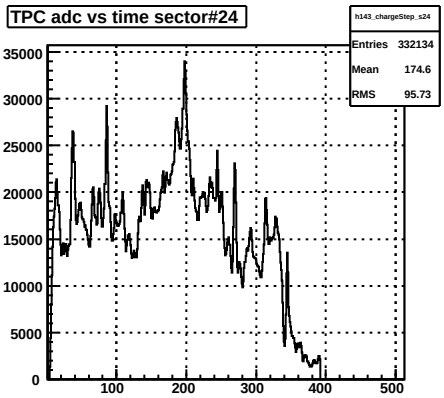

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 294412
Mean 164.4
RMS 101.8

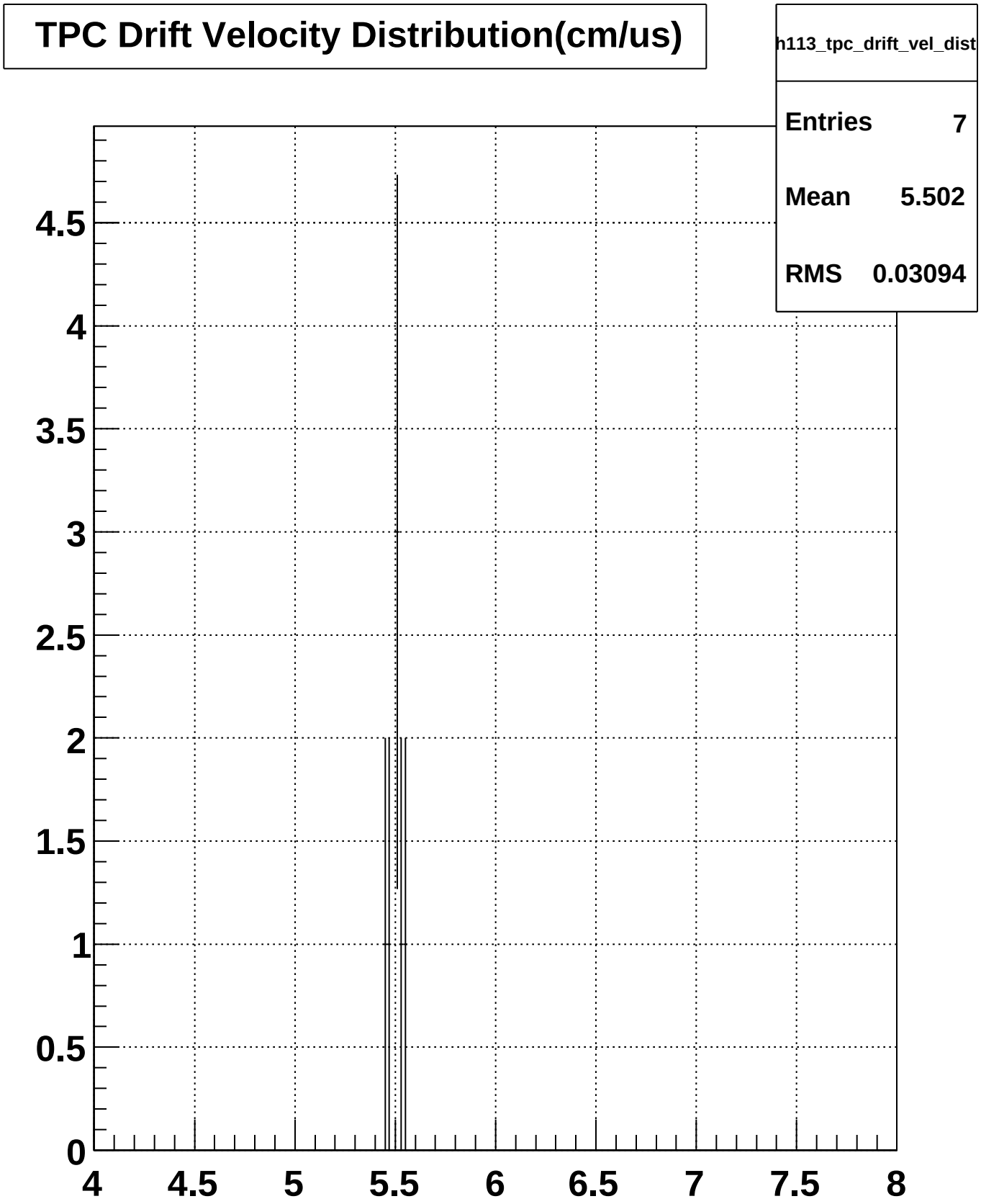

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 264174
Mean 172.7
RMS 104.7

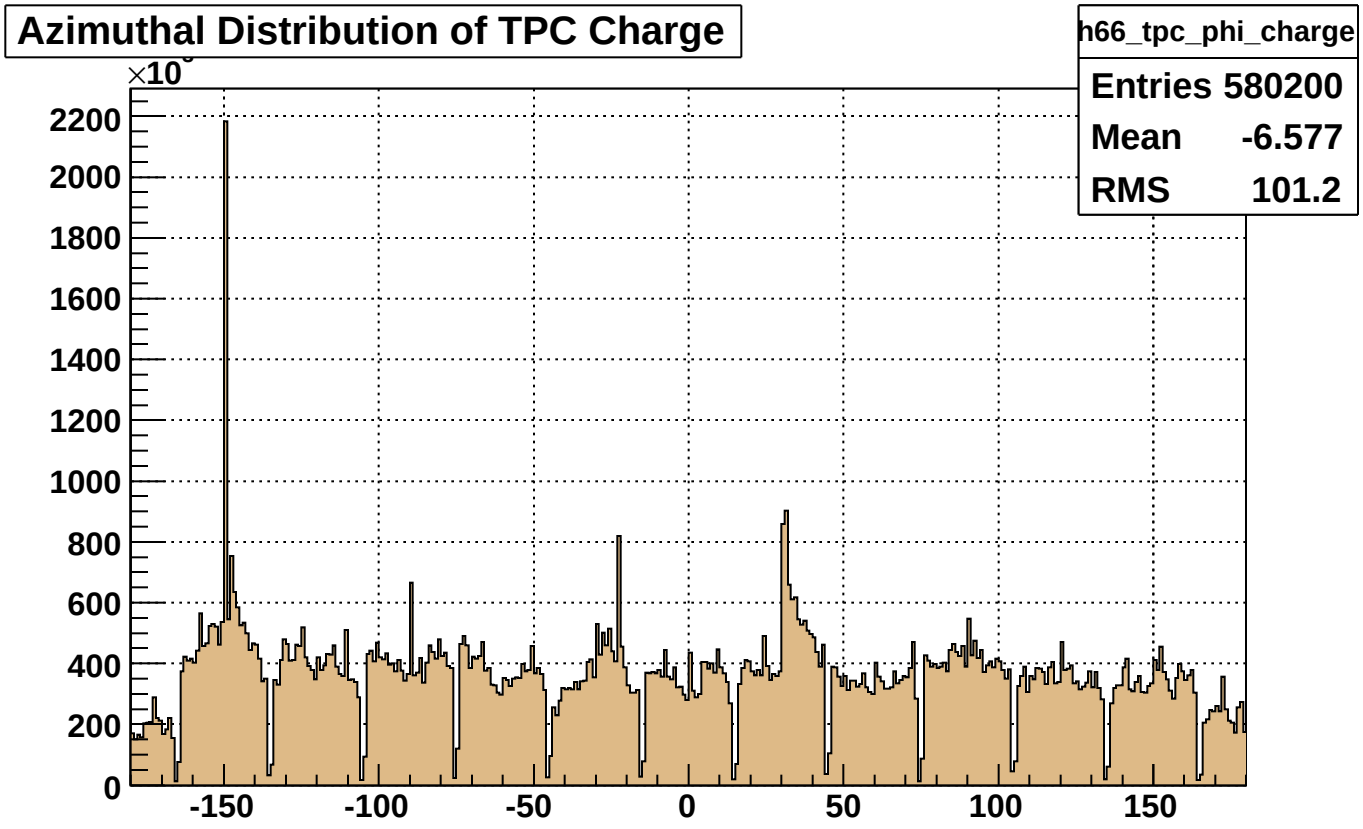

TPC adc vs time sector#21
h140_chargeStep_s21
Entries 293182
Mean 169.1
RMS 106.3

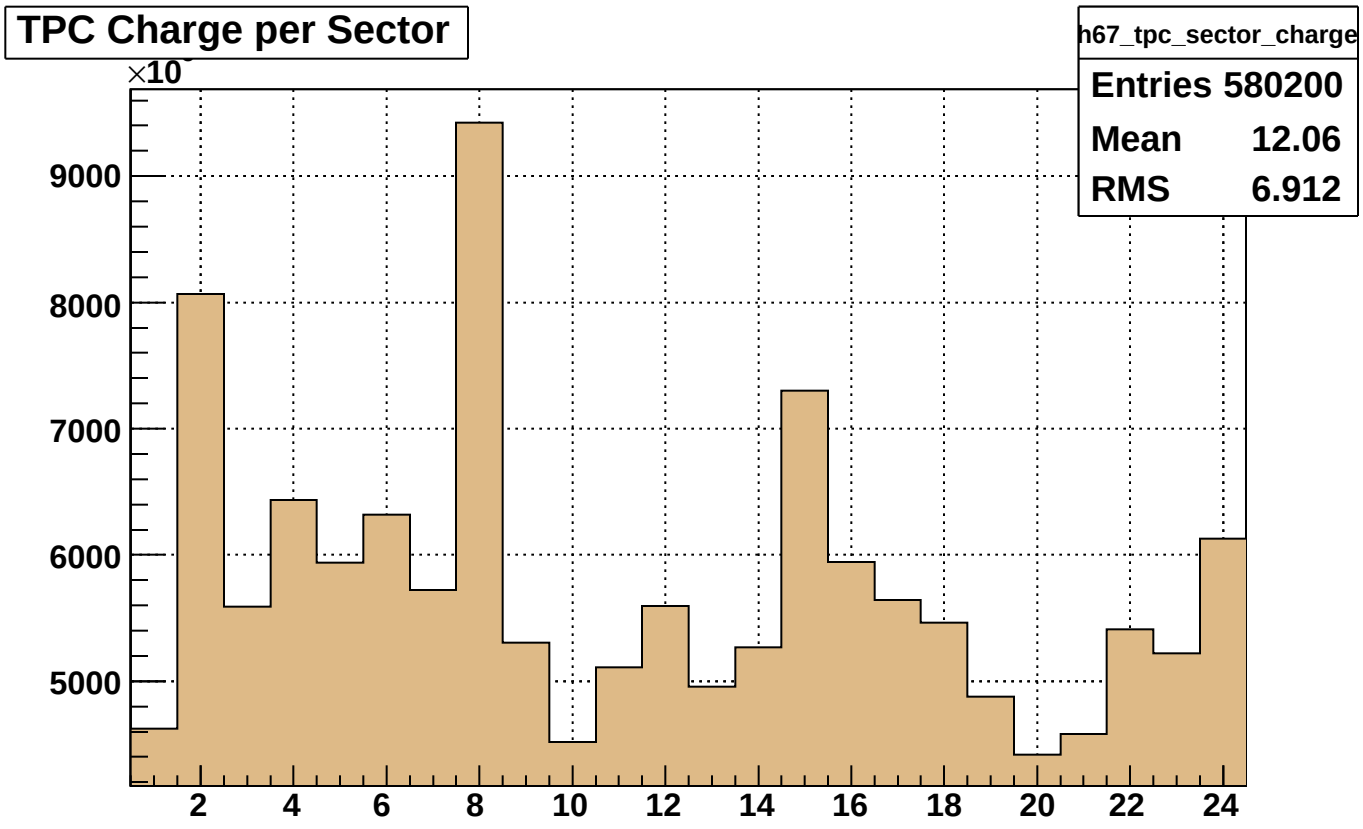

TPC adc vs time sector#22
h141_chargeStep_s22
Entries 349837
Mean 173
RMS 100.5

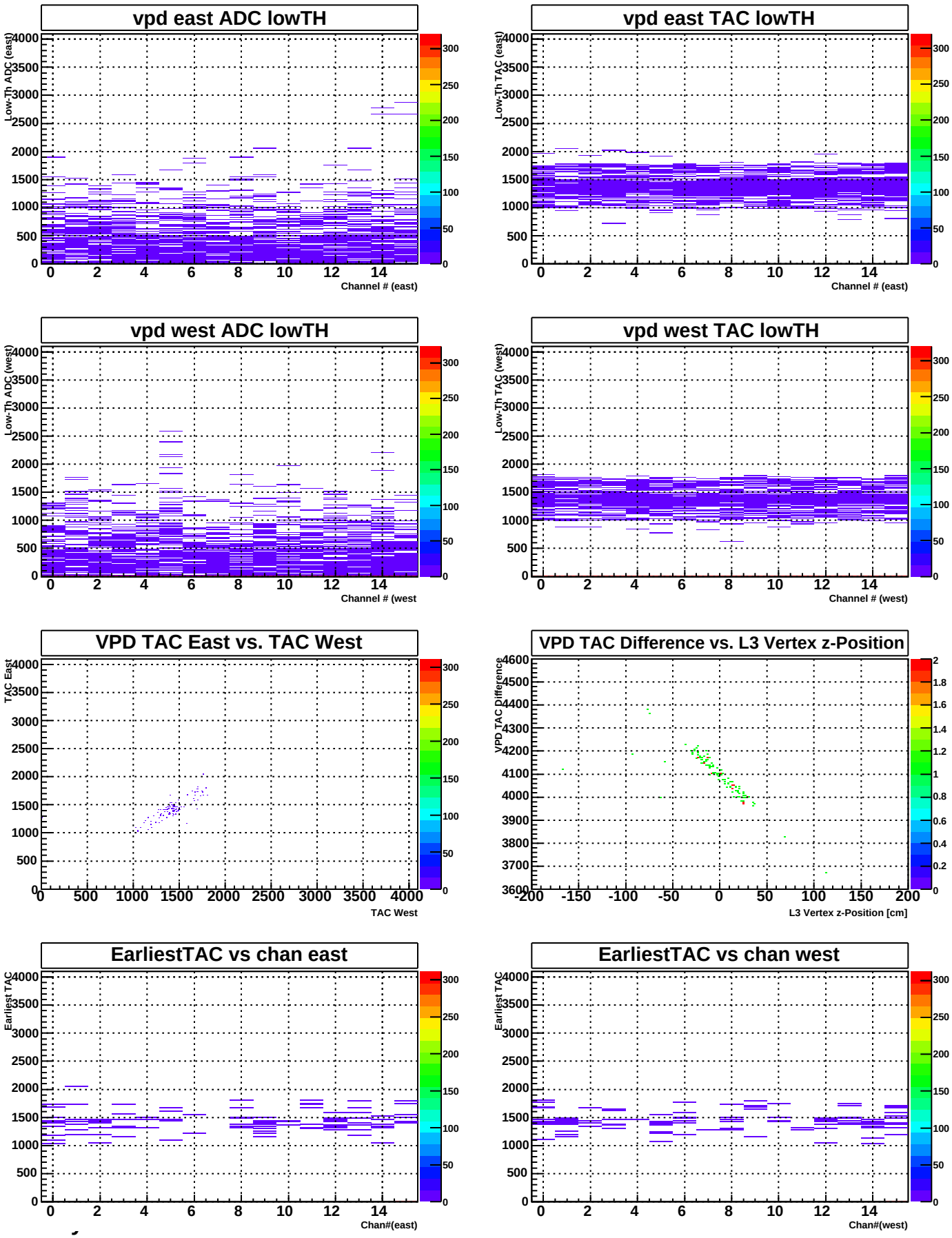

TPC adc vs time sector#23
h142_chargeStep_s23
Entries 285539
Mean 161
RMS 100.6

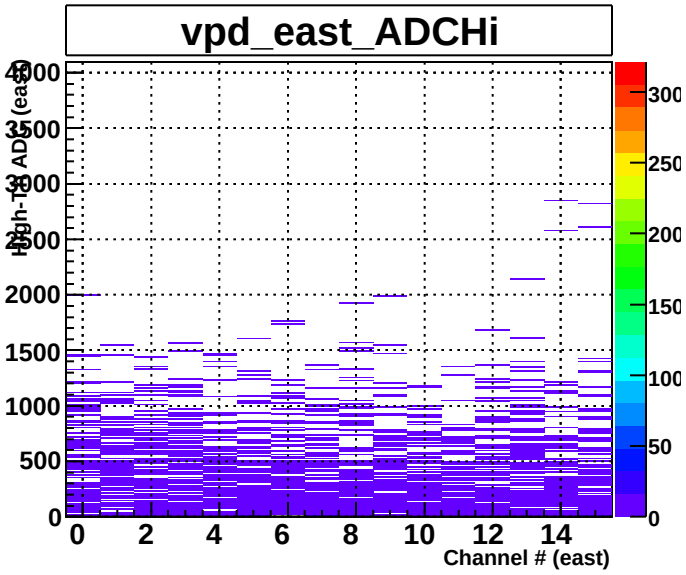

TPC adc vs time sector#24
h143_chargeStep_s24
Entries 332134
Mean 174.6
RMS 95.73

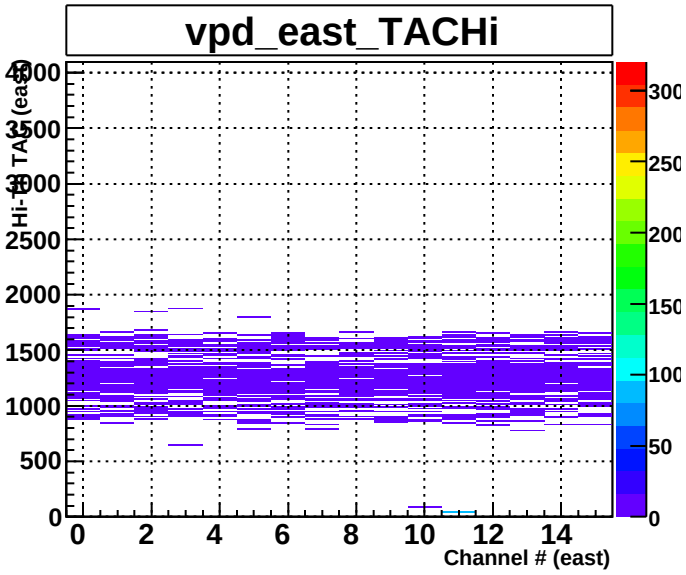

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 7
Mean 5.502
RMS 0.03094
4.5
4
3.5
3
2.5
2
1.5
1
0.5
0
4
4.5
5
5.5
6
6.5
7
7.5
8

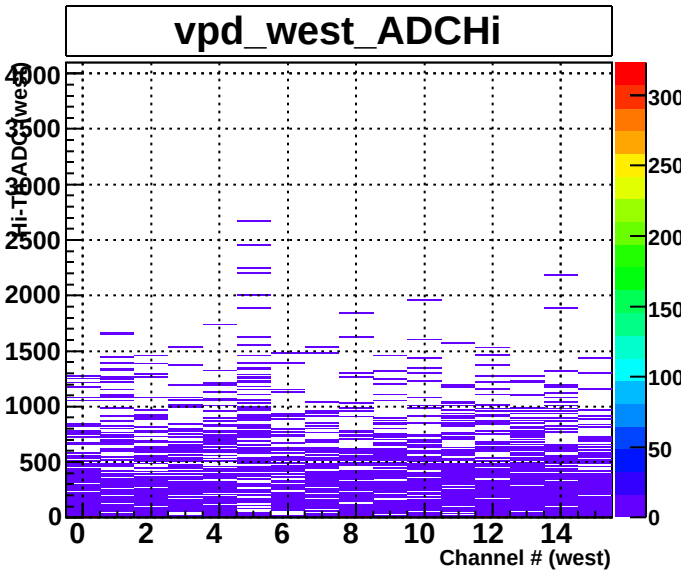

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 580200
Mean -6.577
RMS 101.2
×10
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
-150
-100
-50
0
50
100
150

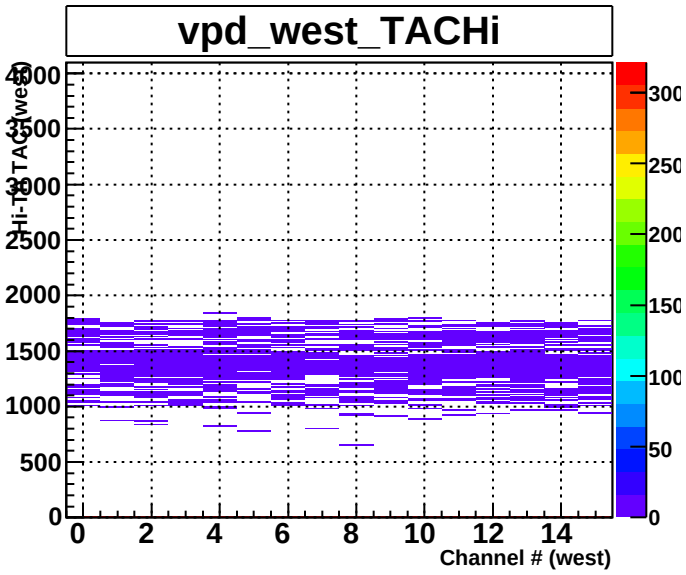

TPC Charge per Sector
h67_tpc_sector_charge
Entries 580200
Mean 12.06
RMS 6.912
×10
9000
8000
7000
6000
5000
2
4
6
8
10
12
14
16
18
20
22
24

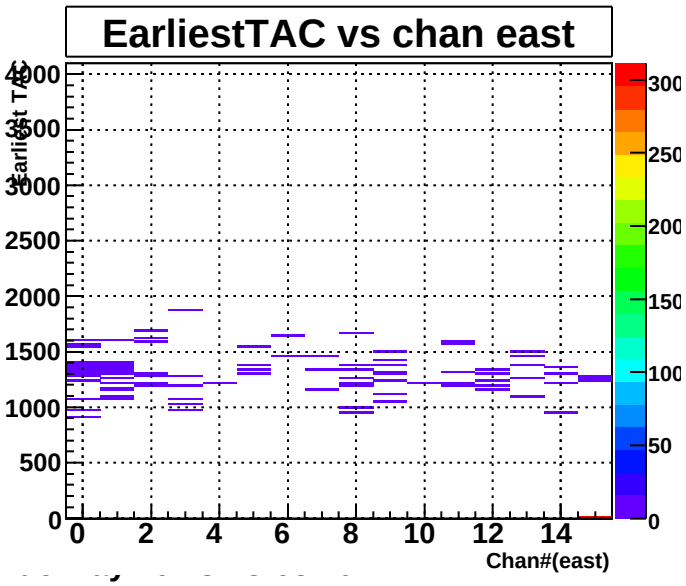

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)
vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)
vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west
vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)
VPD TAC East vs. TAC West
TAC East
TAC West
VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]
EarliestTAC vs chan east
Earliest TAC
Chan#(east)
EarliestTAC vs chan west
Earliest TAC
Chan#(west)

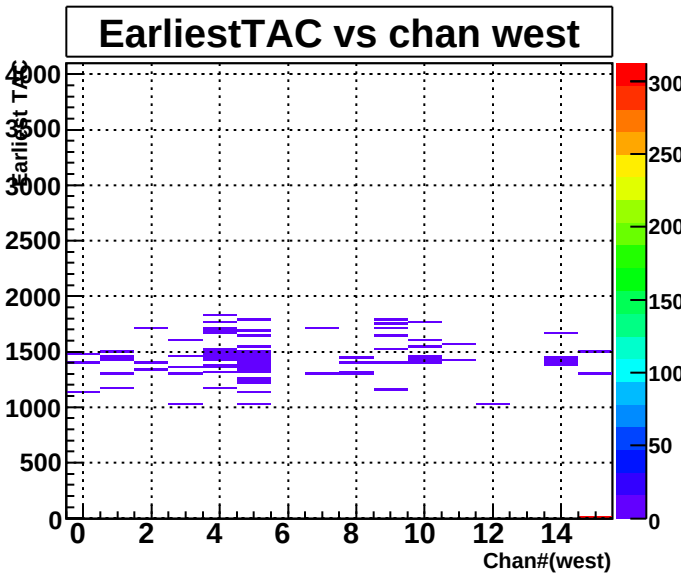

vpd_east_ADCHi
High-Hi ADC (east)
Channel # (east)

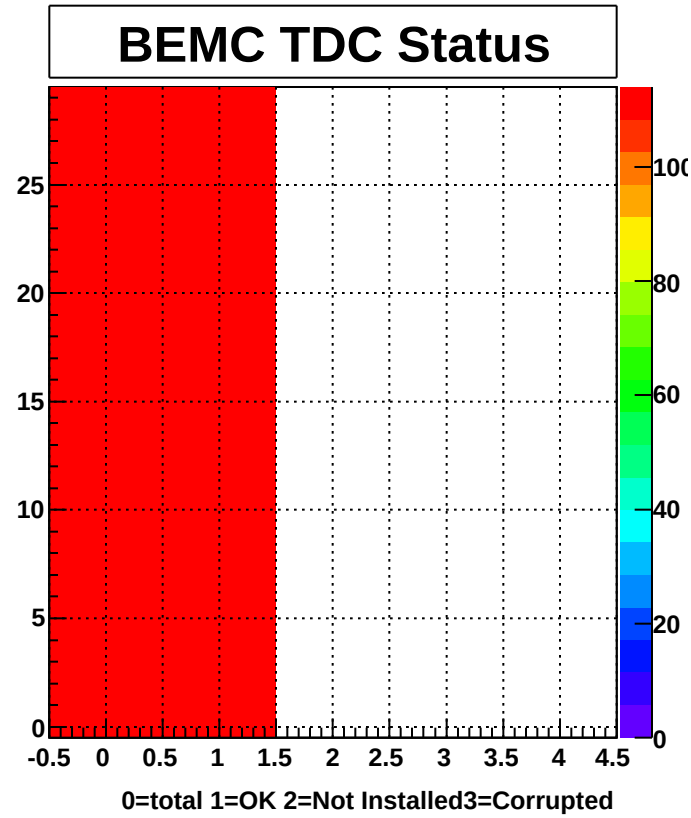

vpd_east_TACHi
Hi-Hi TAC (east)
Channel # (east)

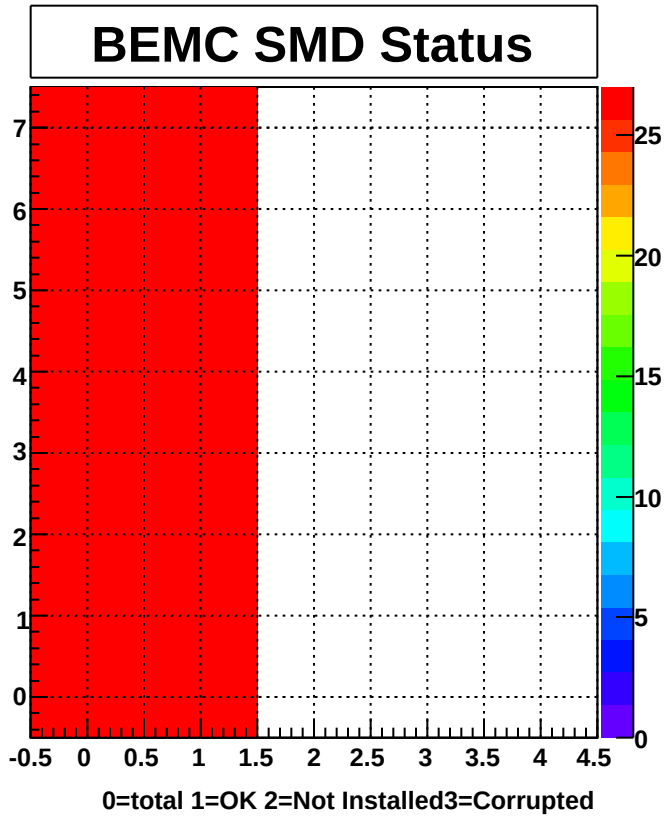

vpd_west_ADCHi
Hi-Hi ADC (west)
Channel # (west)

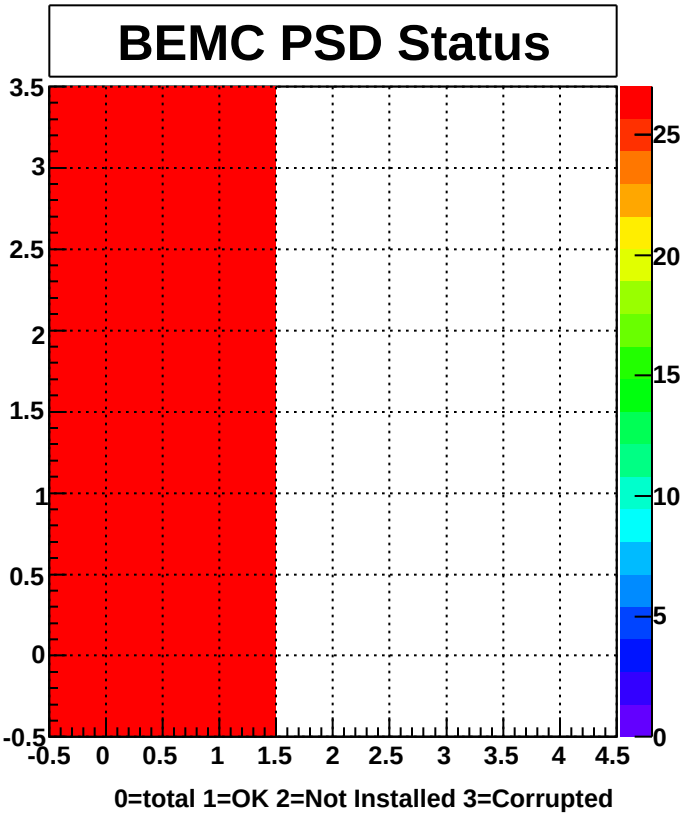

vpd_west_TACHi
Hi-Hi TAC (west)
Channel # (west)

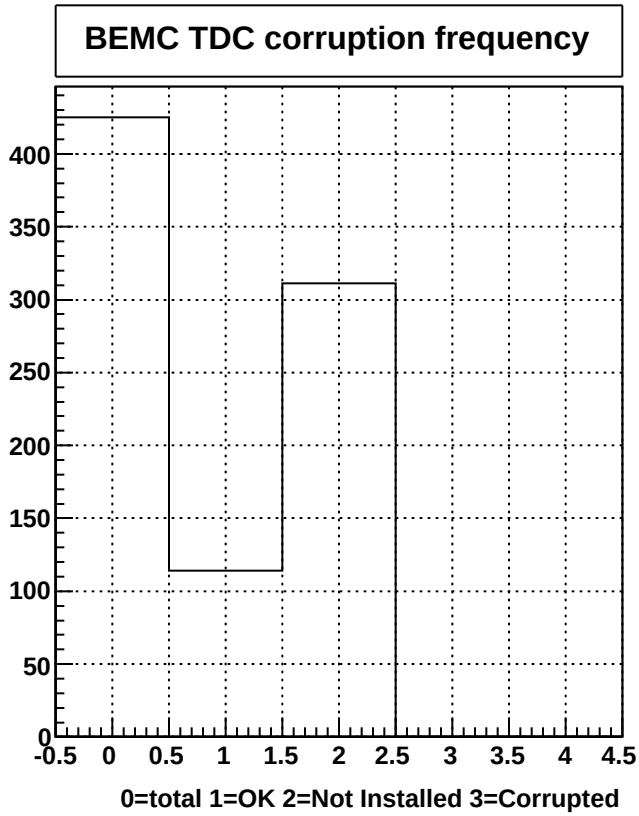

EarliestTAC vs chan east
Earliest TAC
Chan#(east)


EarliestTAC vs chan west
Earliest TAC
Chan#(west)









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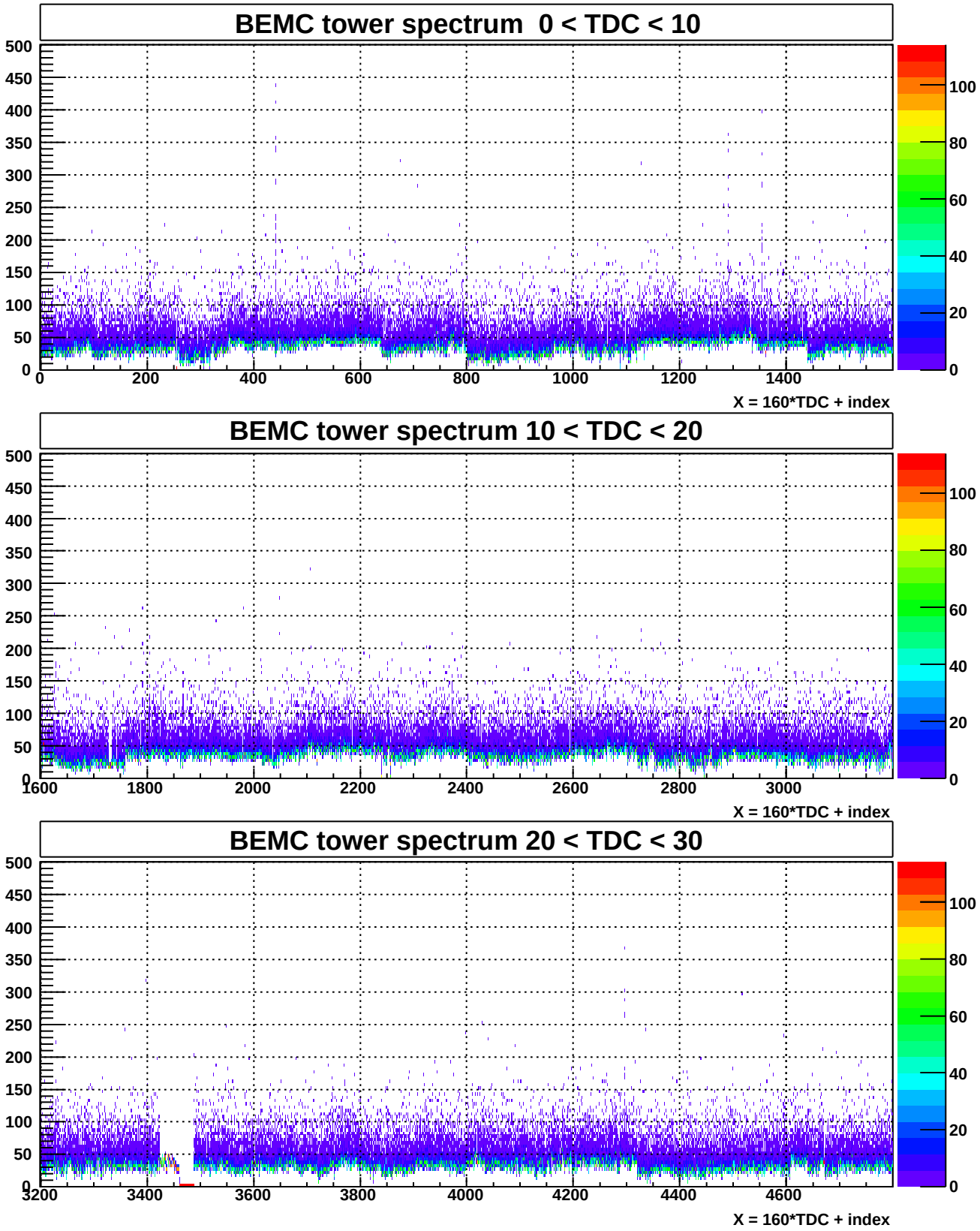
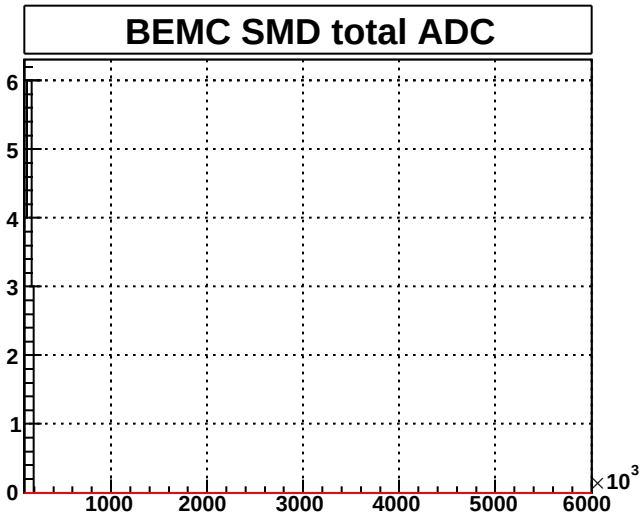
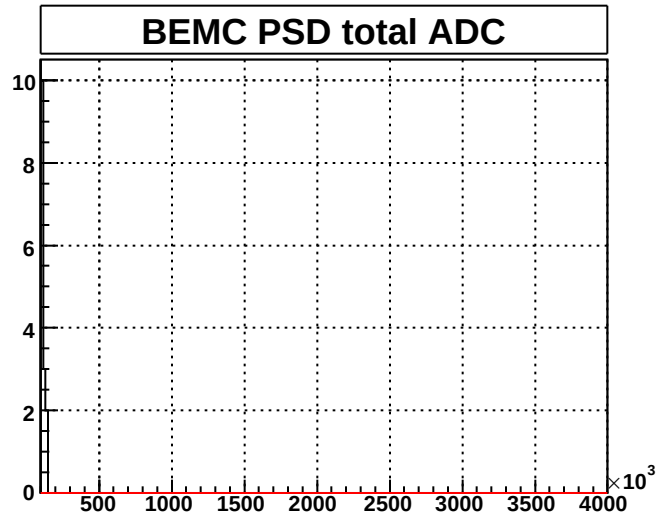
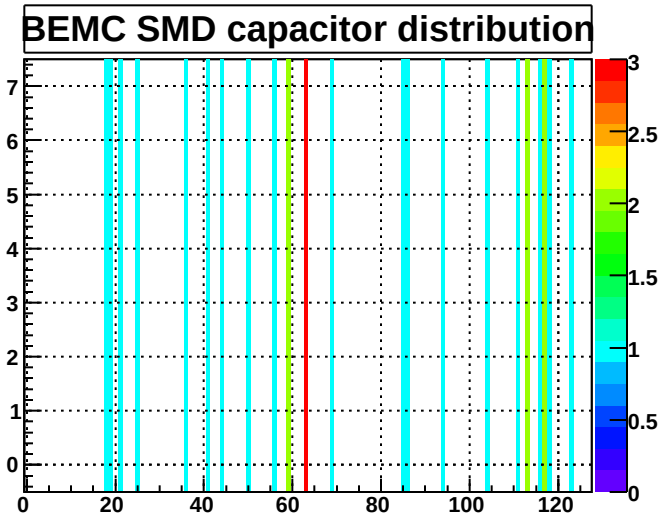
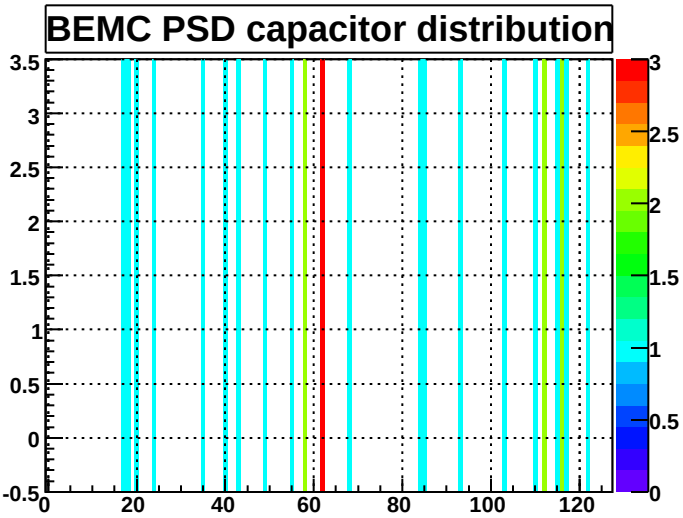


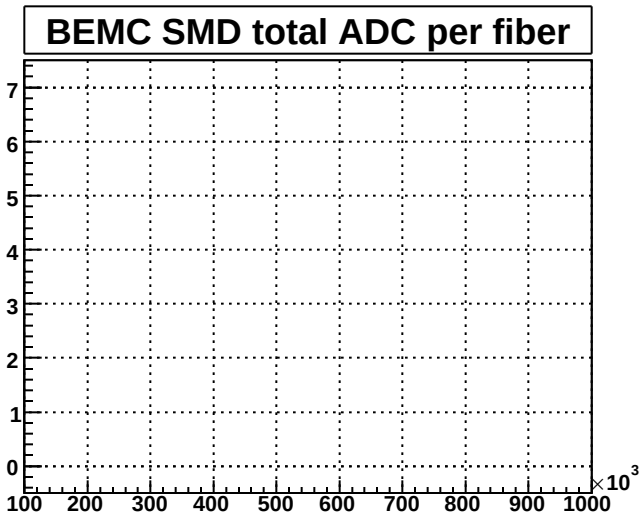
Tue May 10 23:13:05 2011

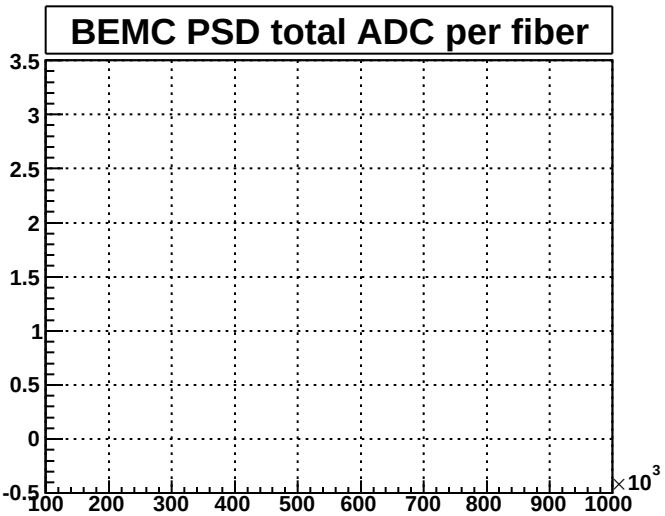












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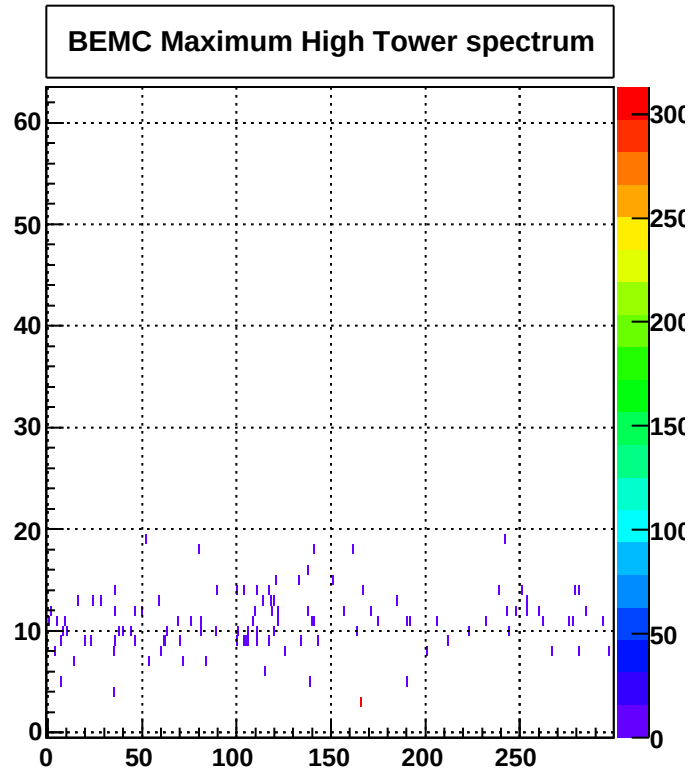
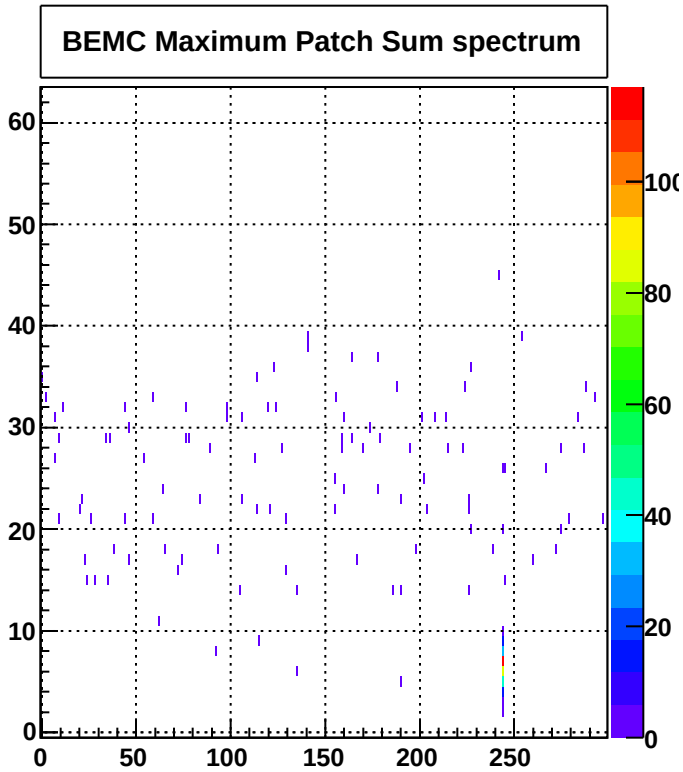
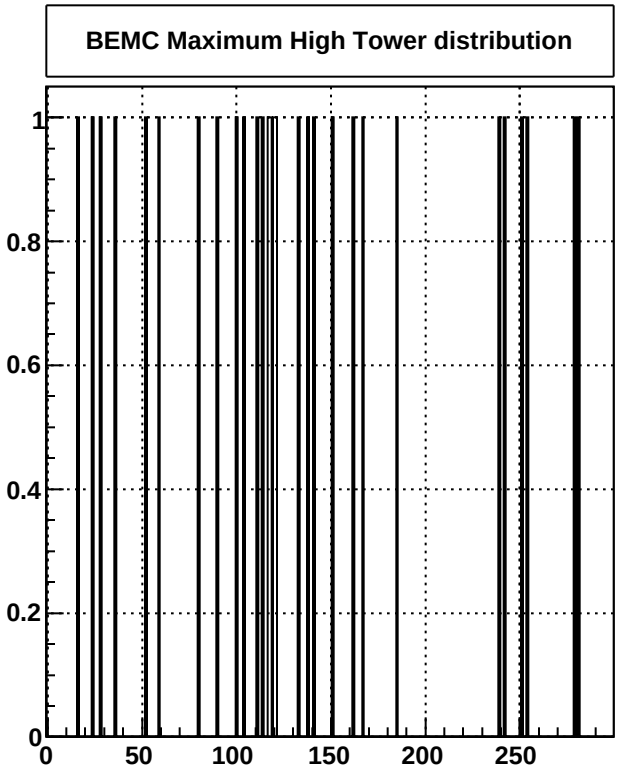
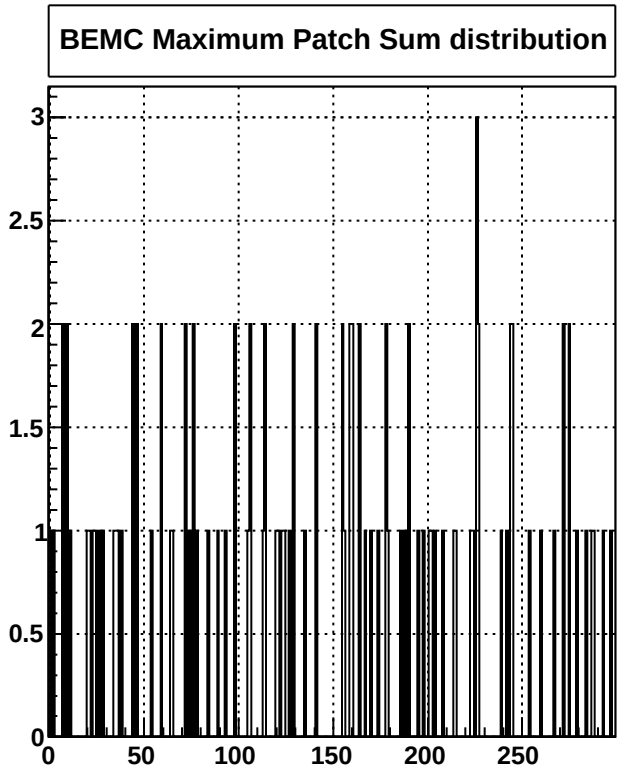
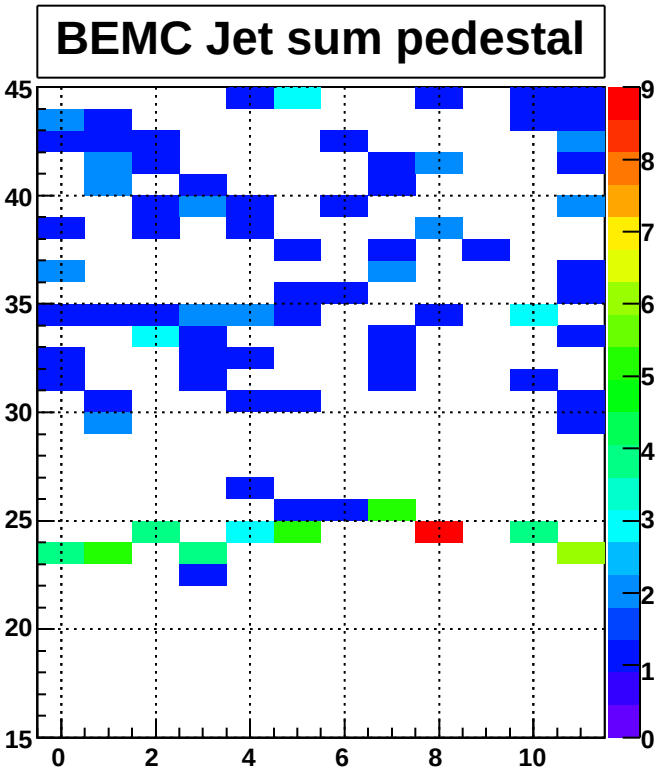


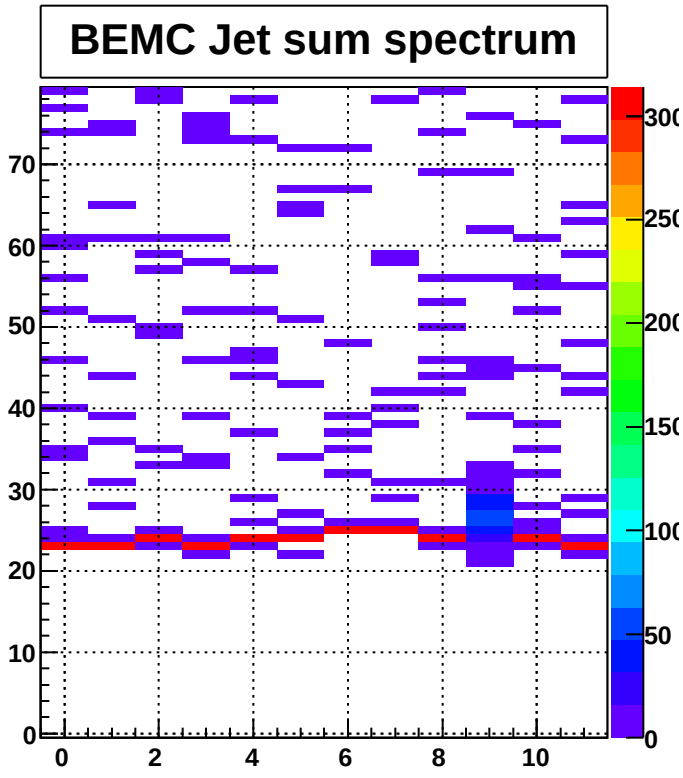


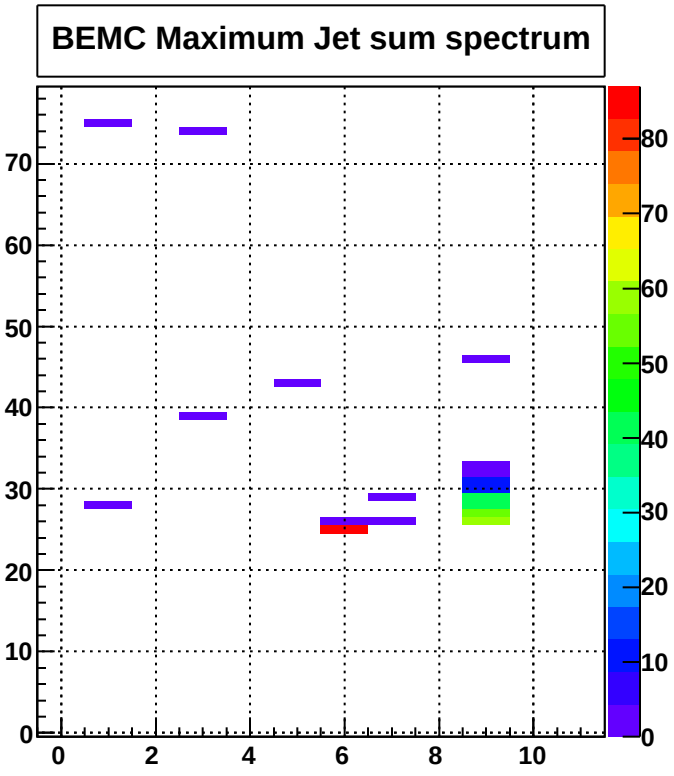


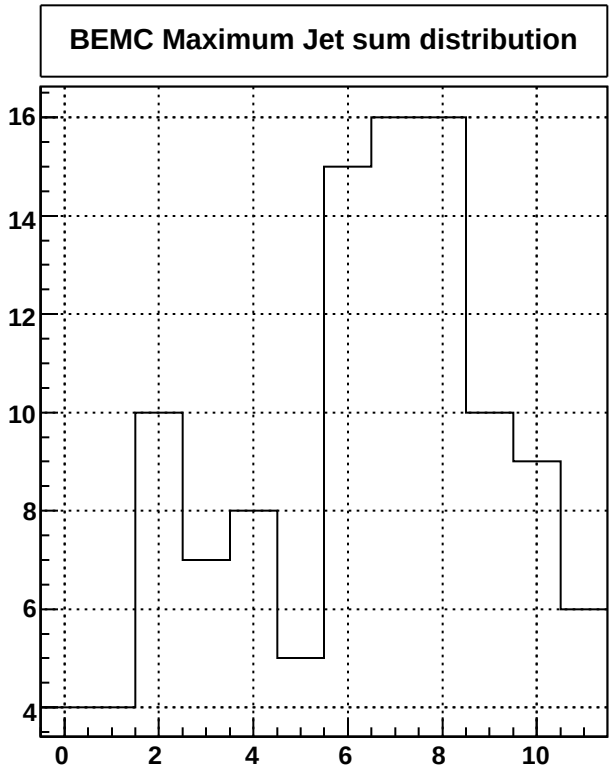


Tue May 10 23:13:06 2011









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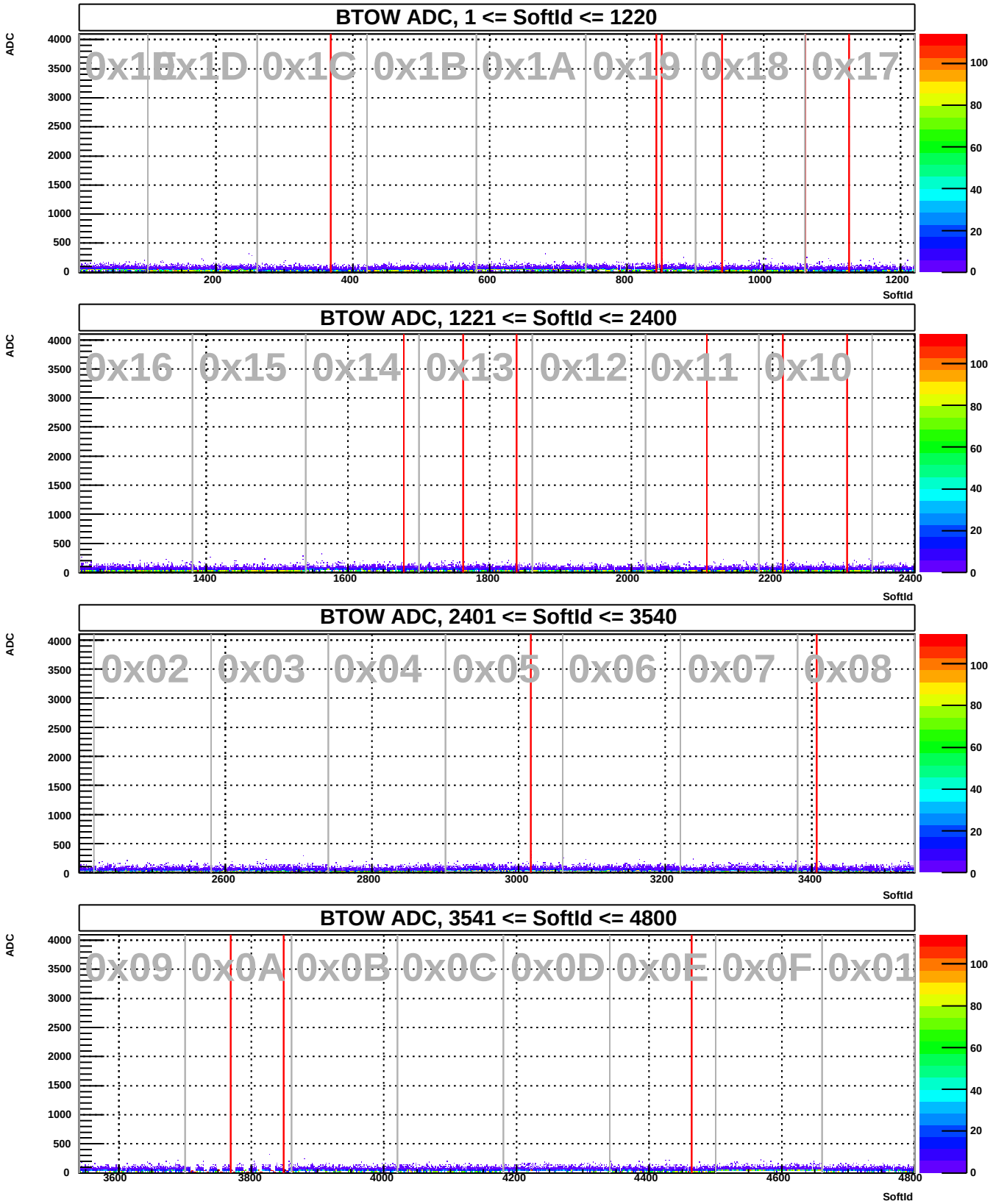

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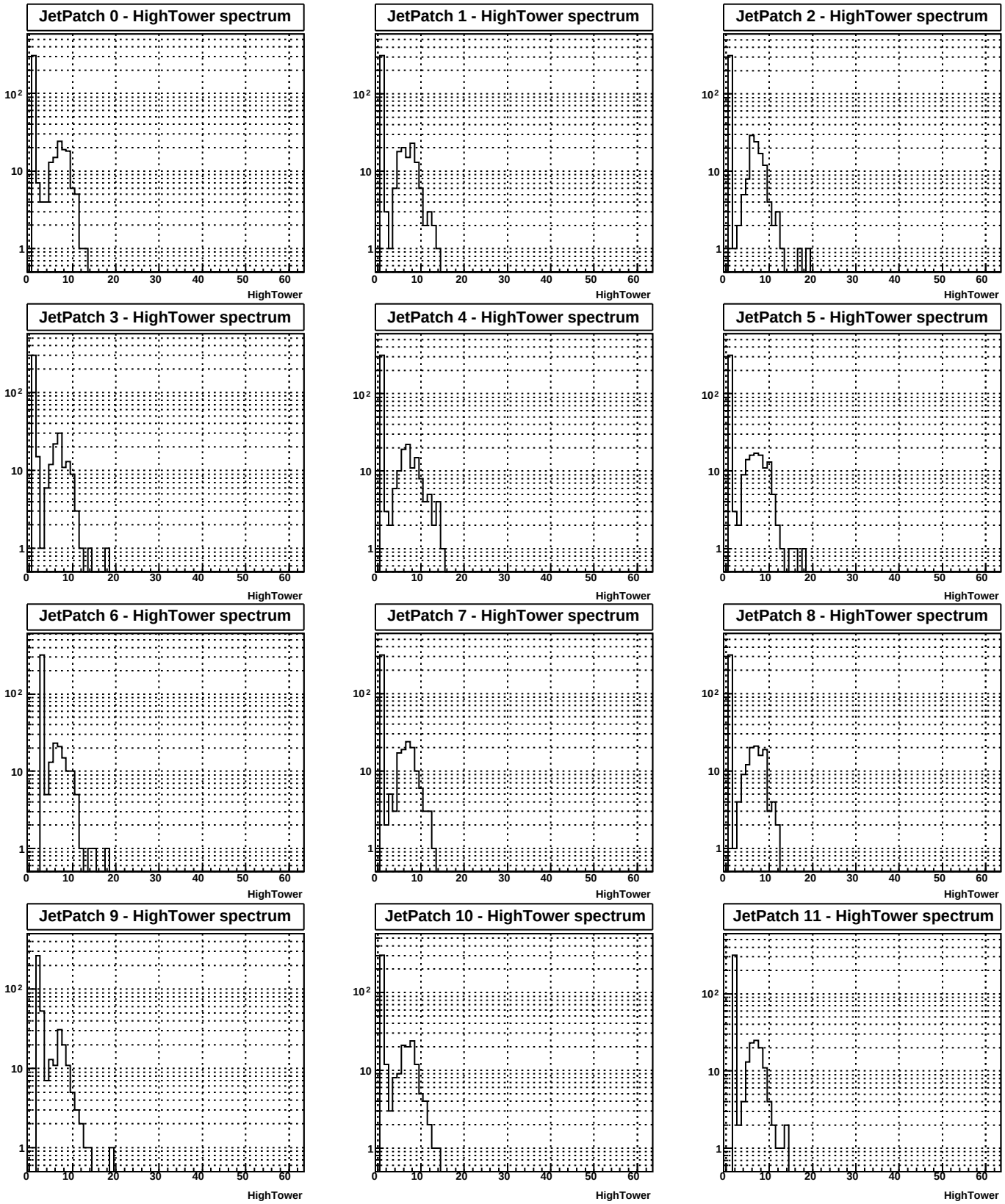
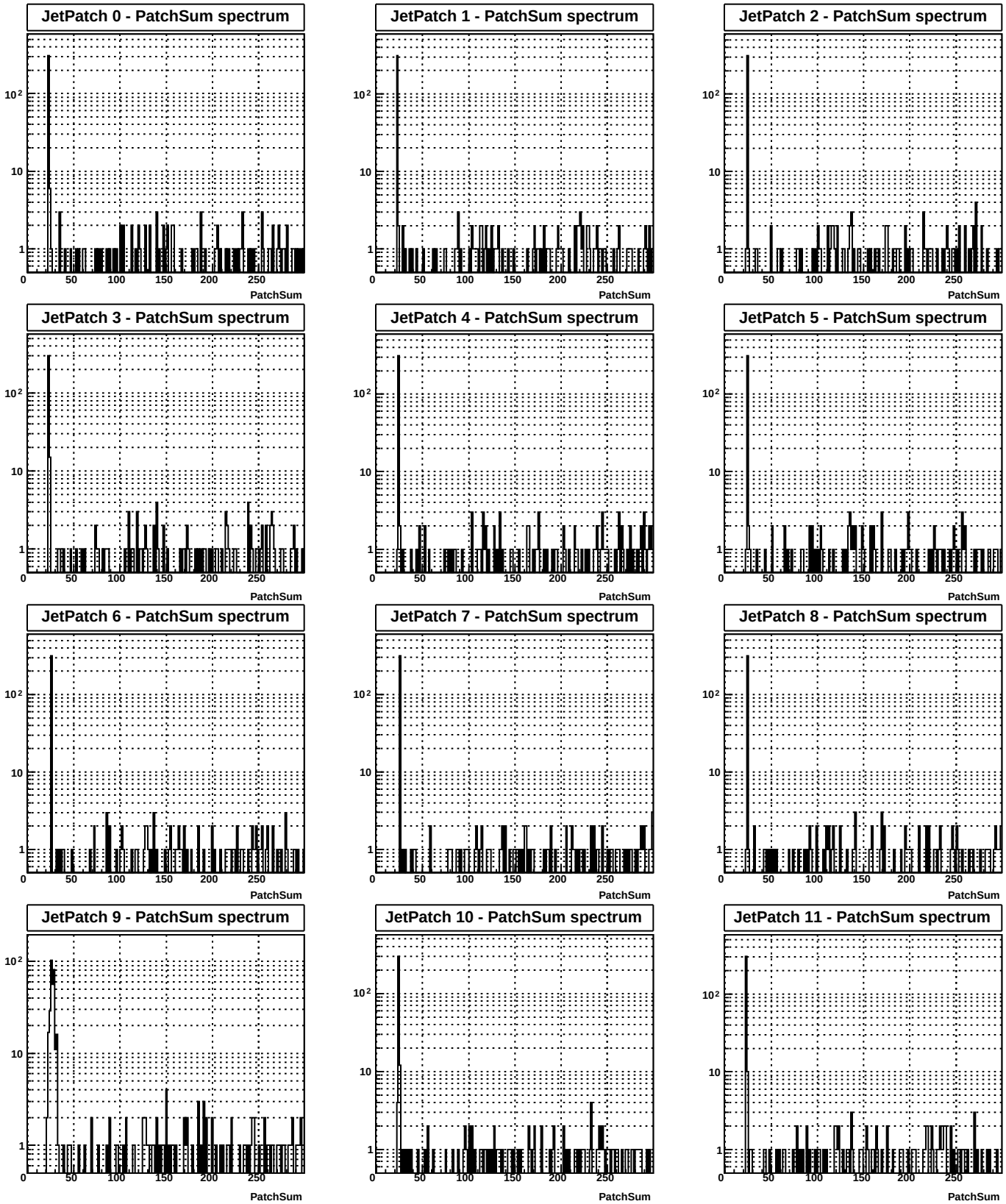
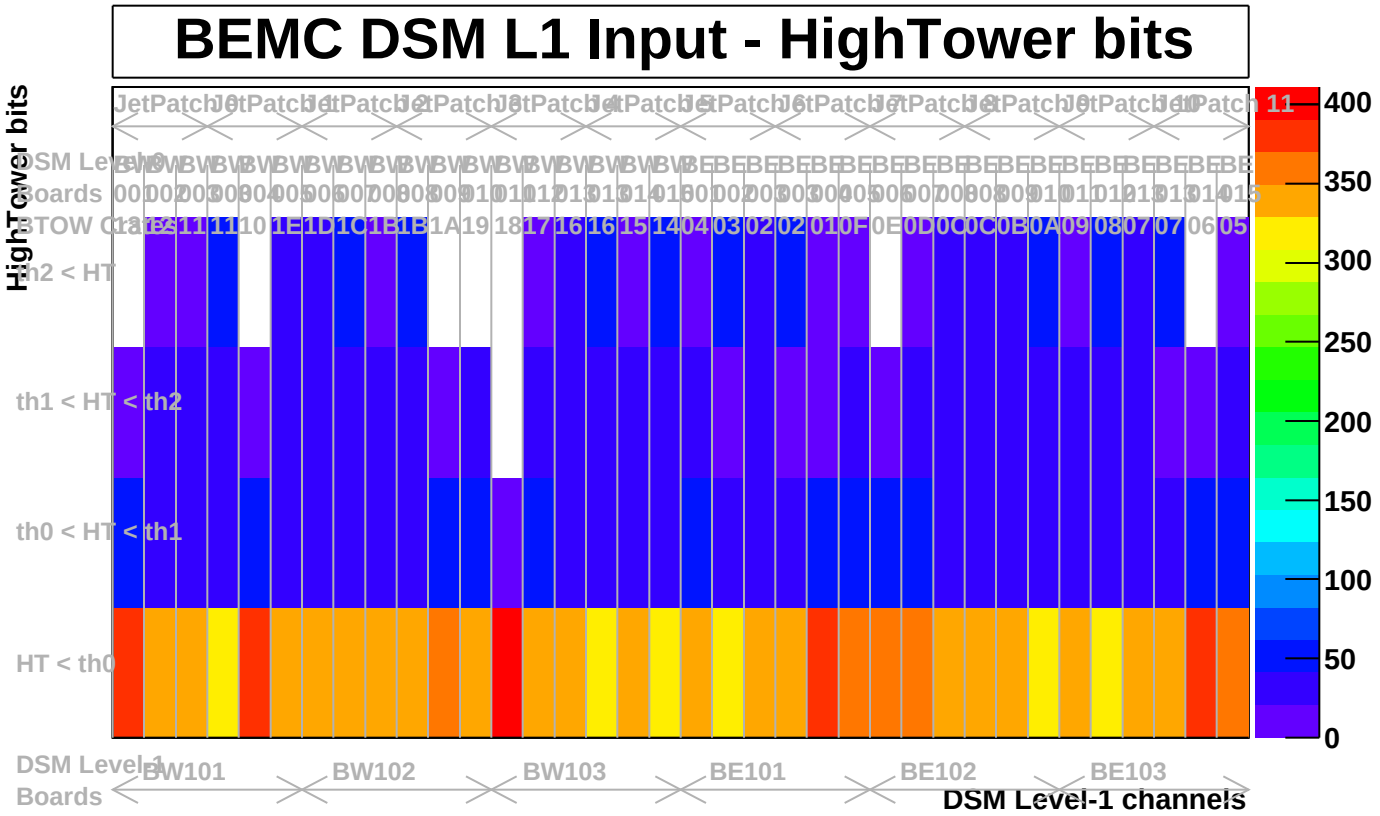
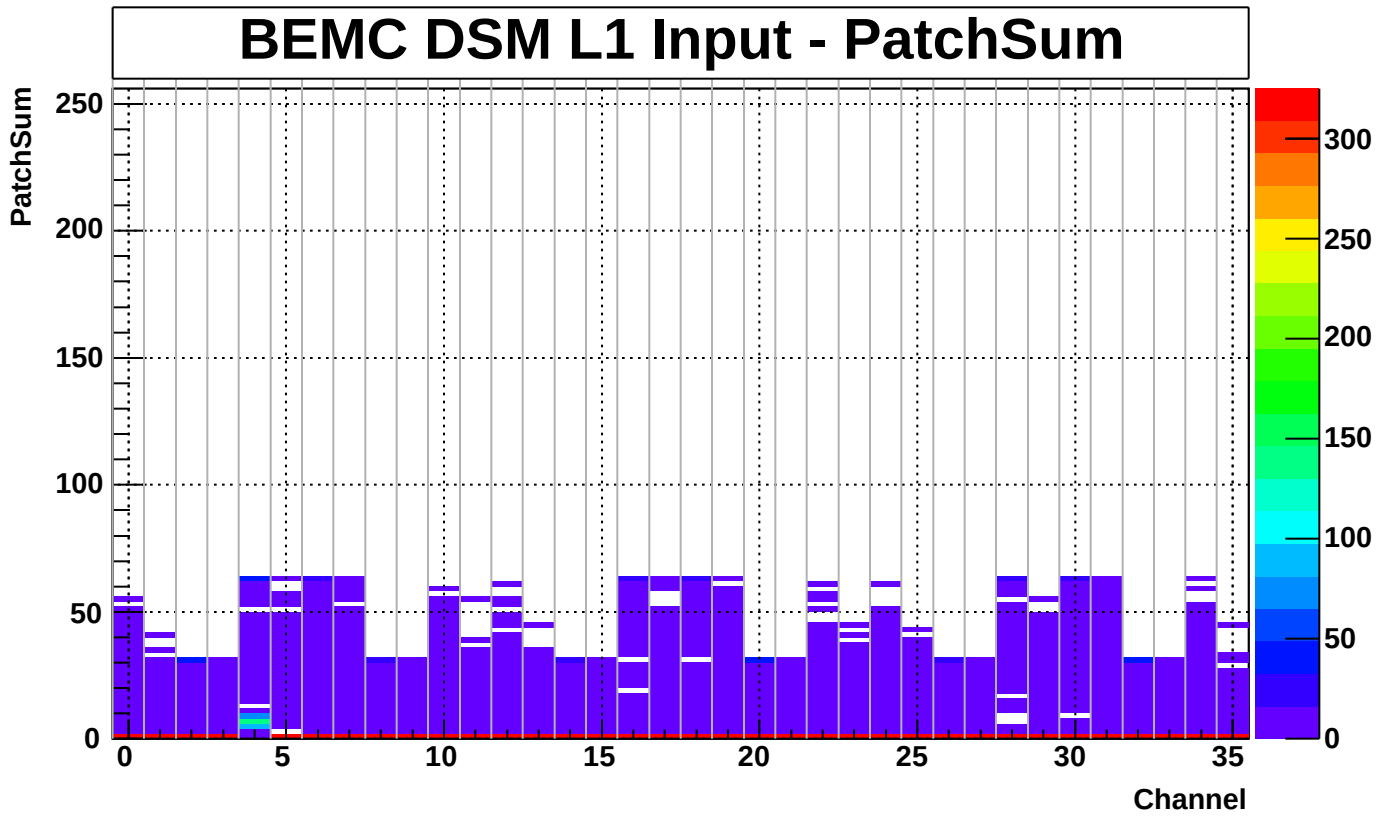


Tue May 10 23:13:07 2011



Tue May 10 23:13:07 2011





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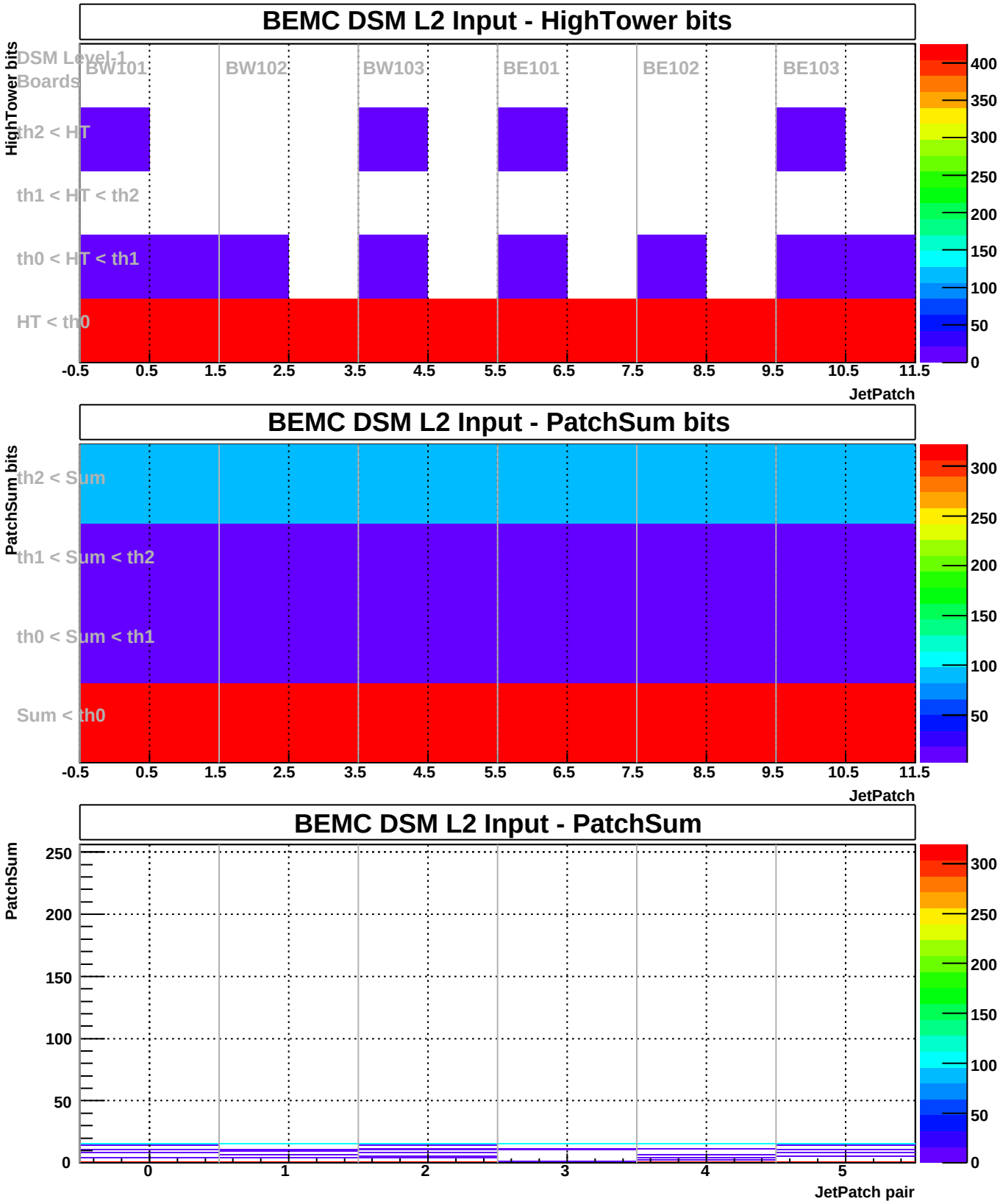
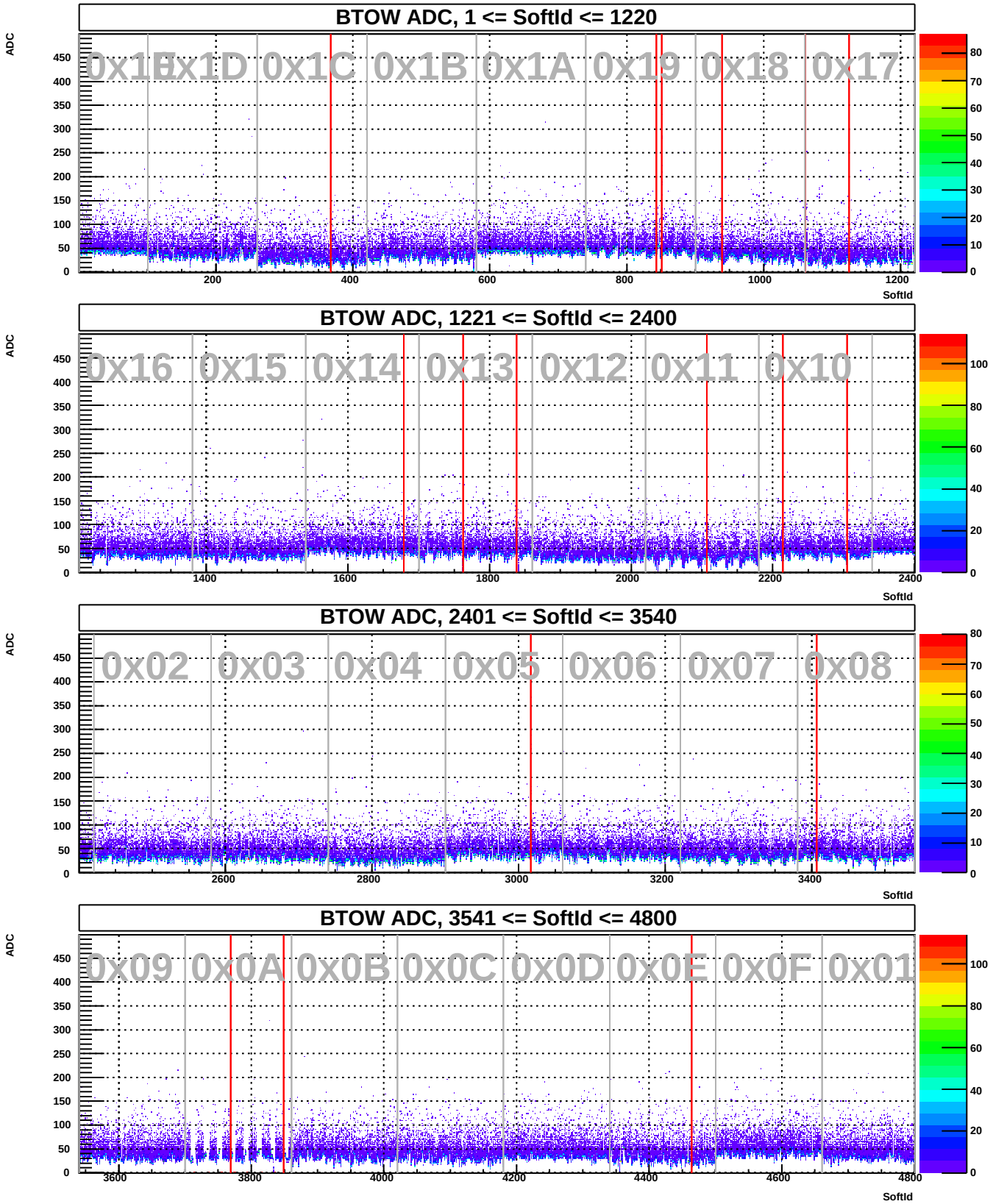
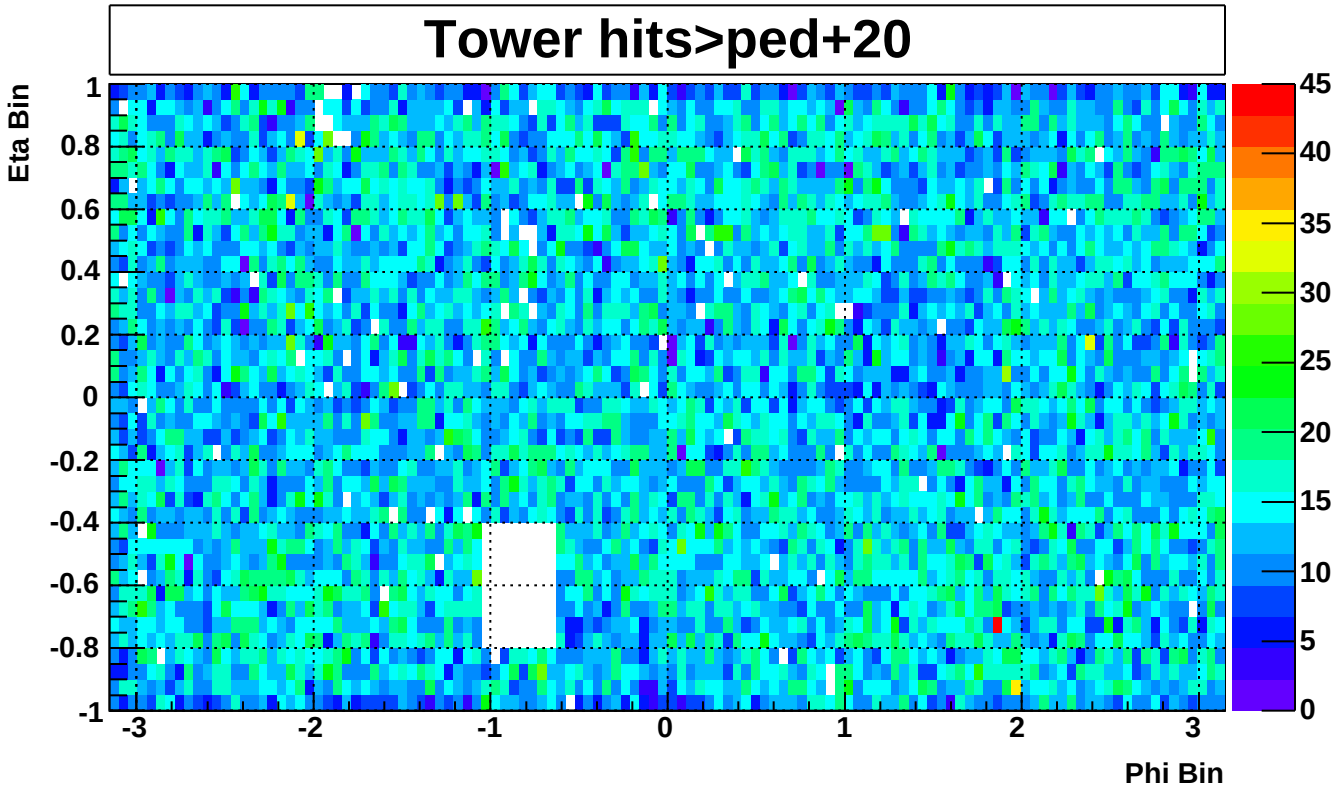
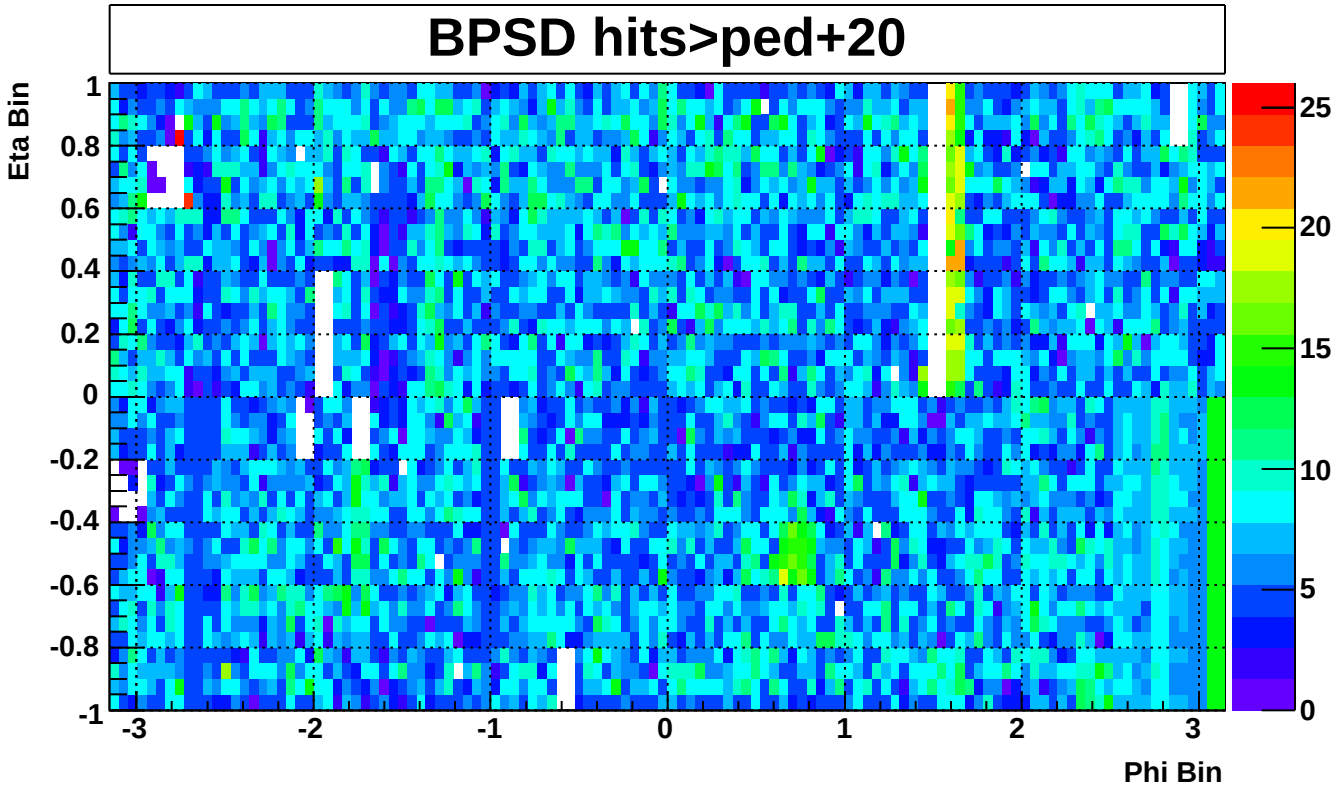


Tue May 10 23:13:07 2011

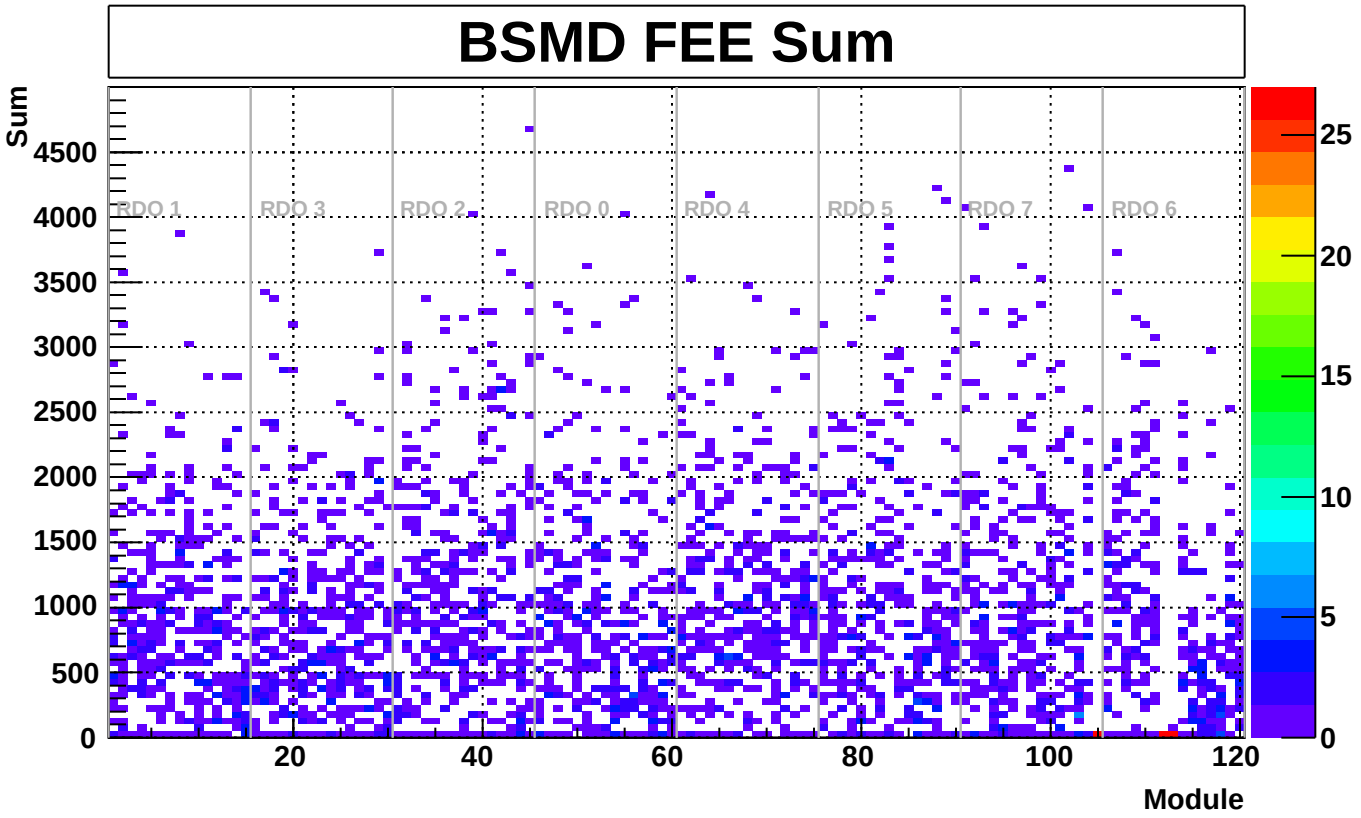


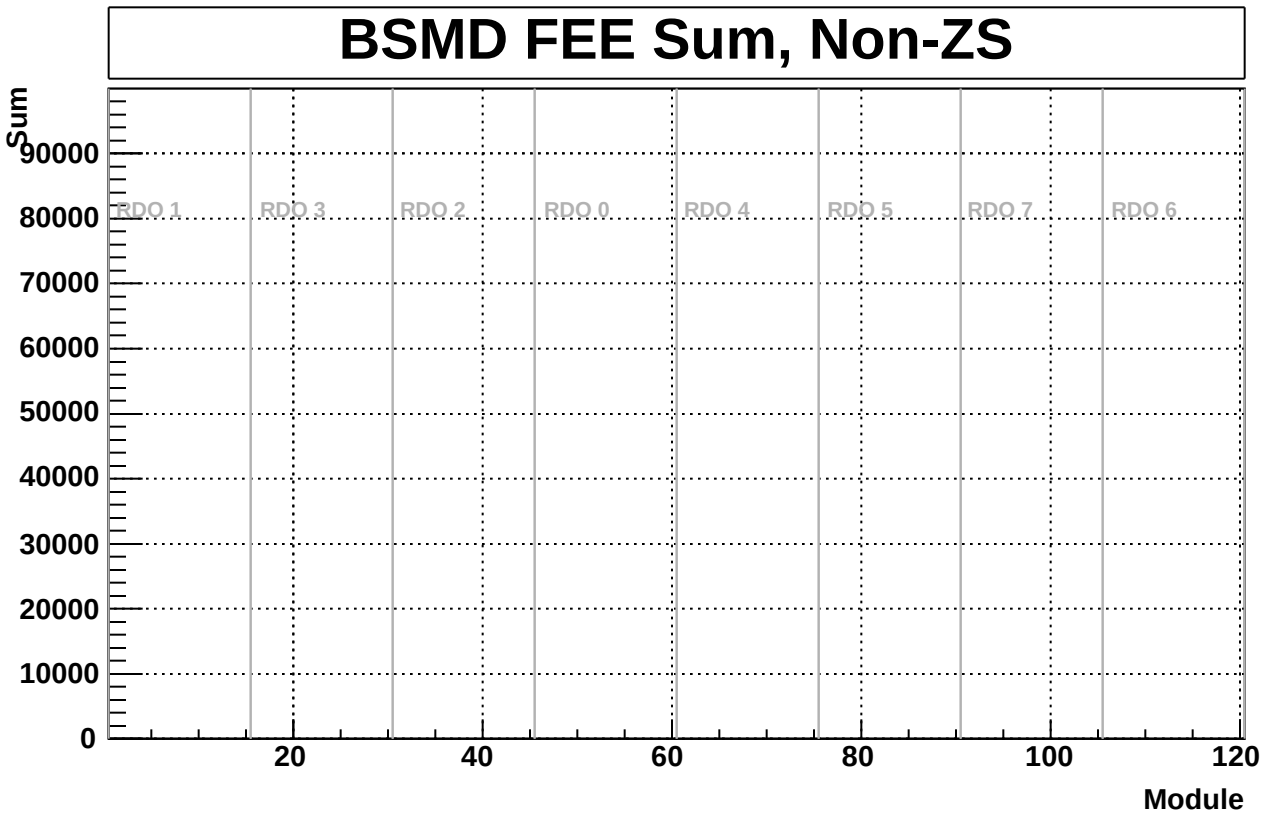
Tue May 10 23:13:08 2011



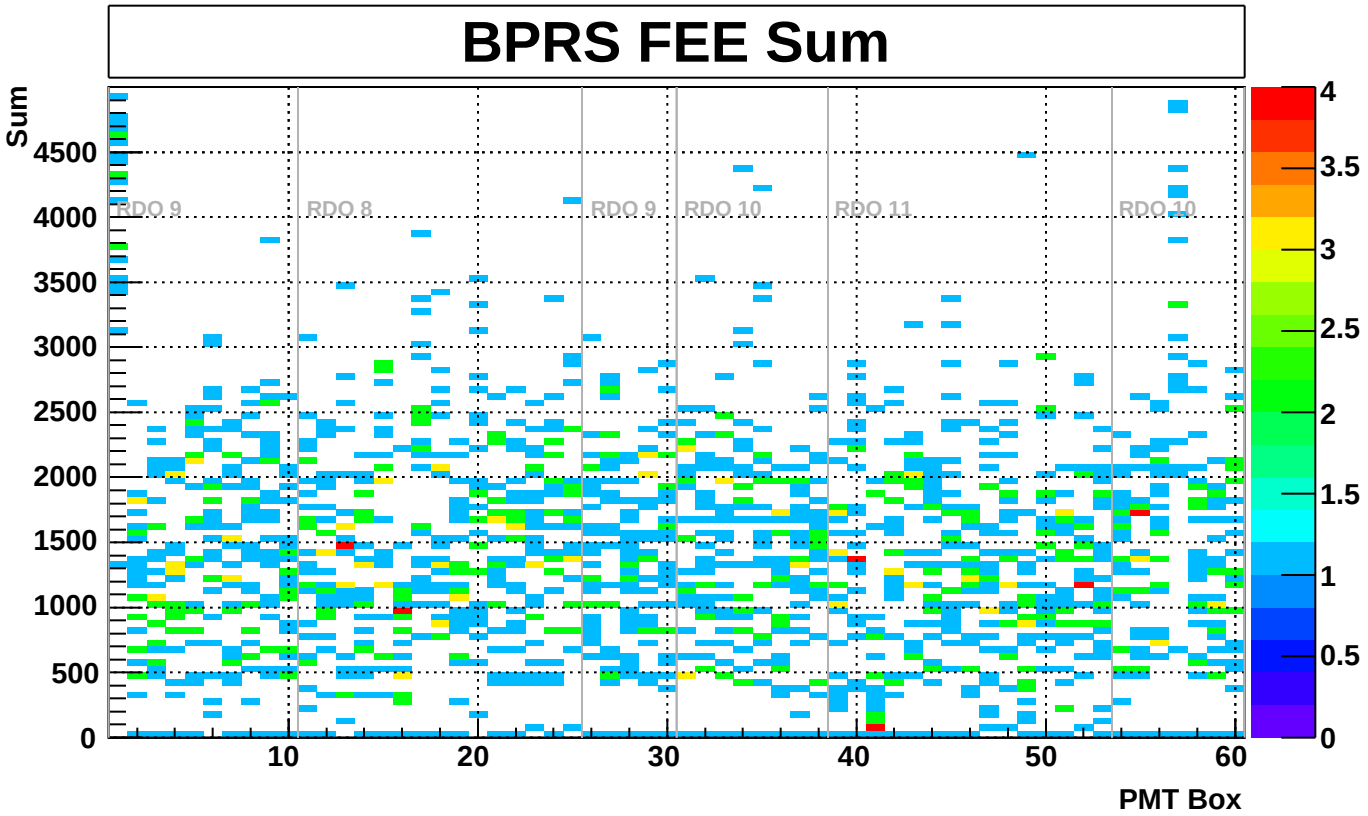


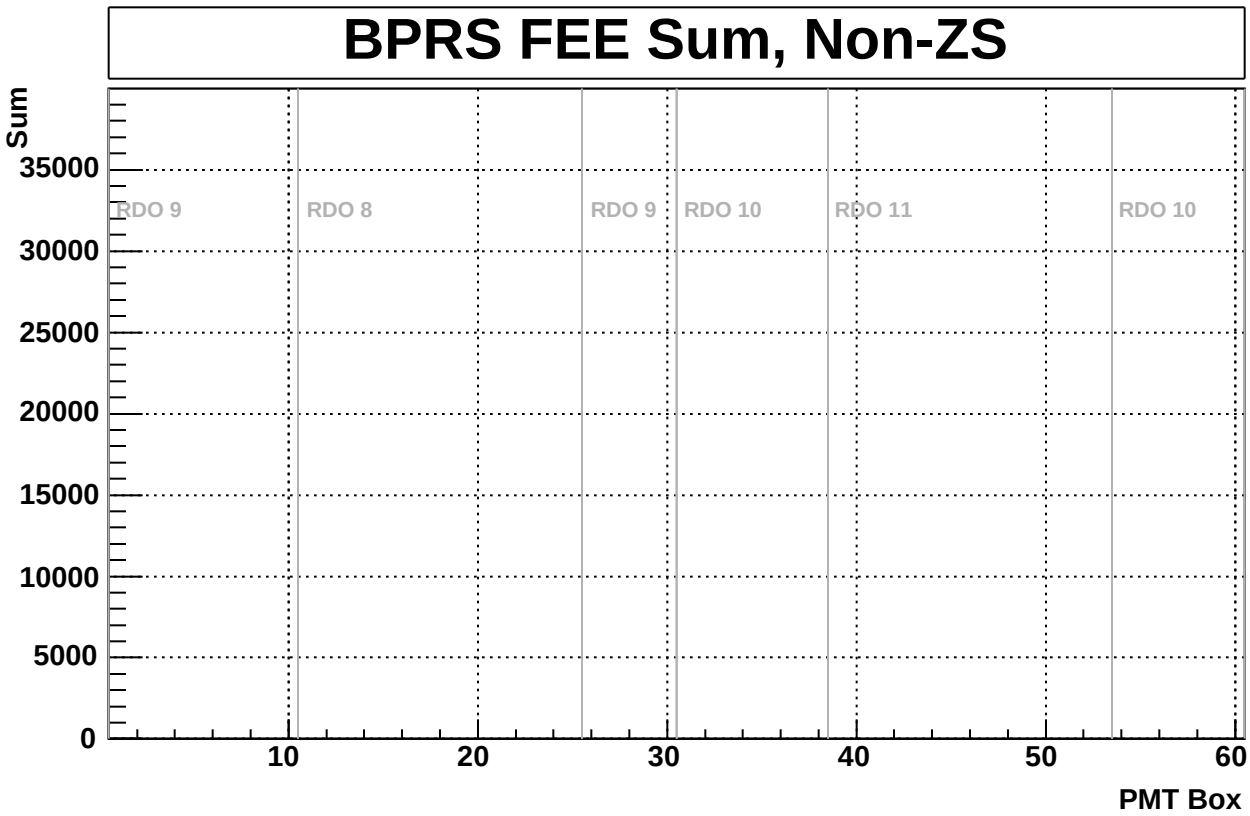
Tue May 10 23:13:09 2011





Tue May 10 23:13:11 2011





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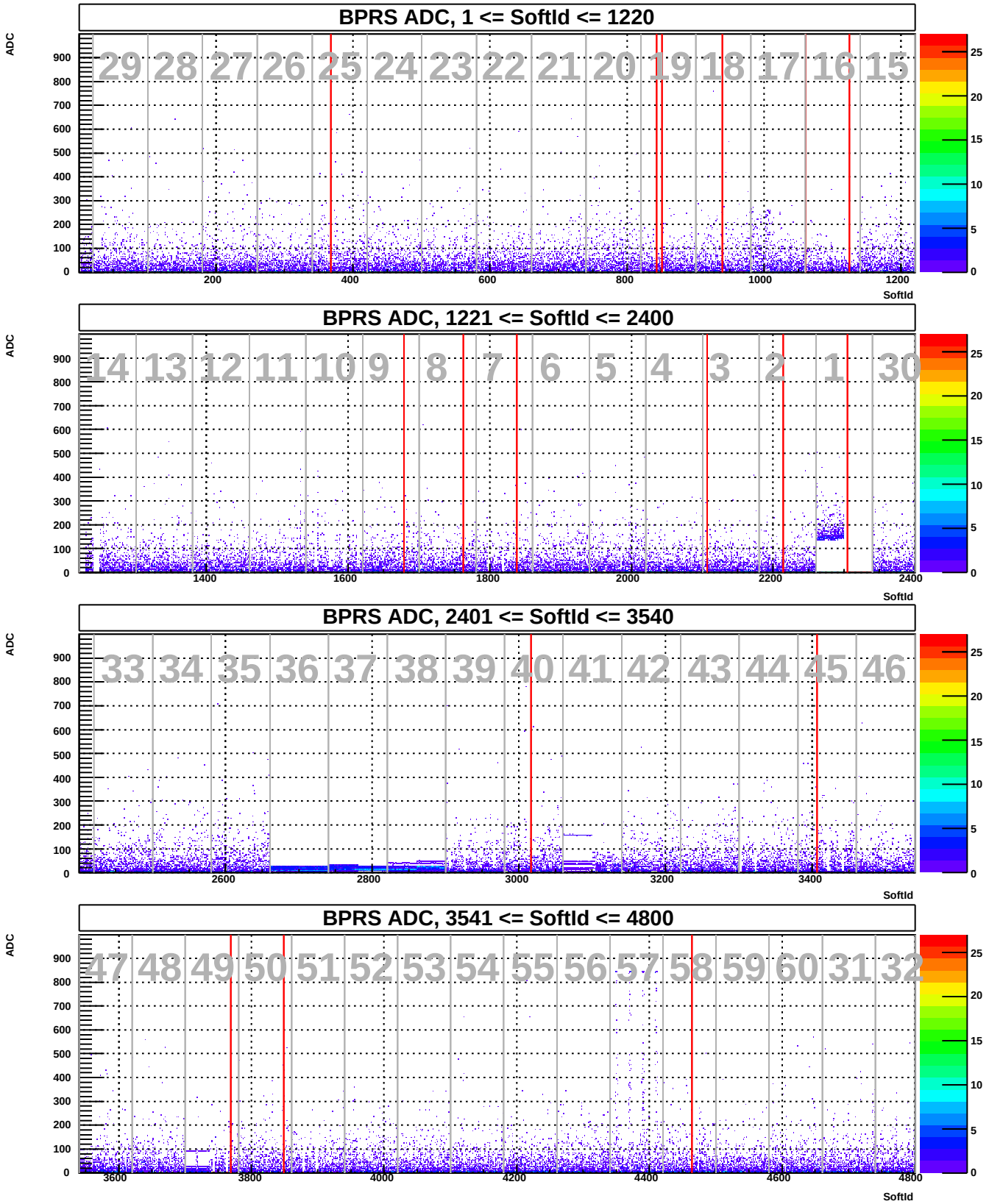

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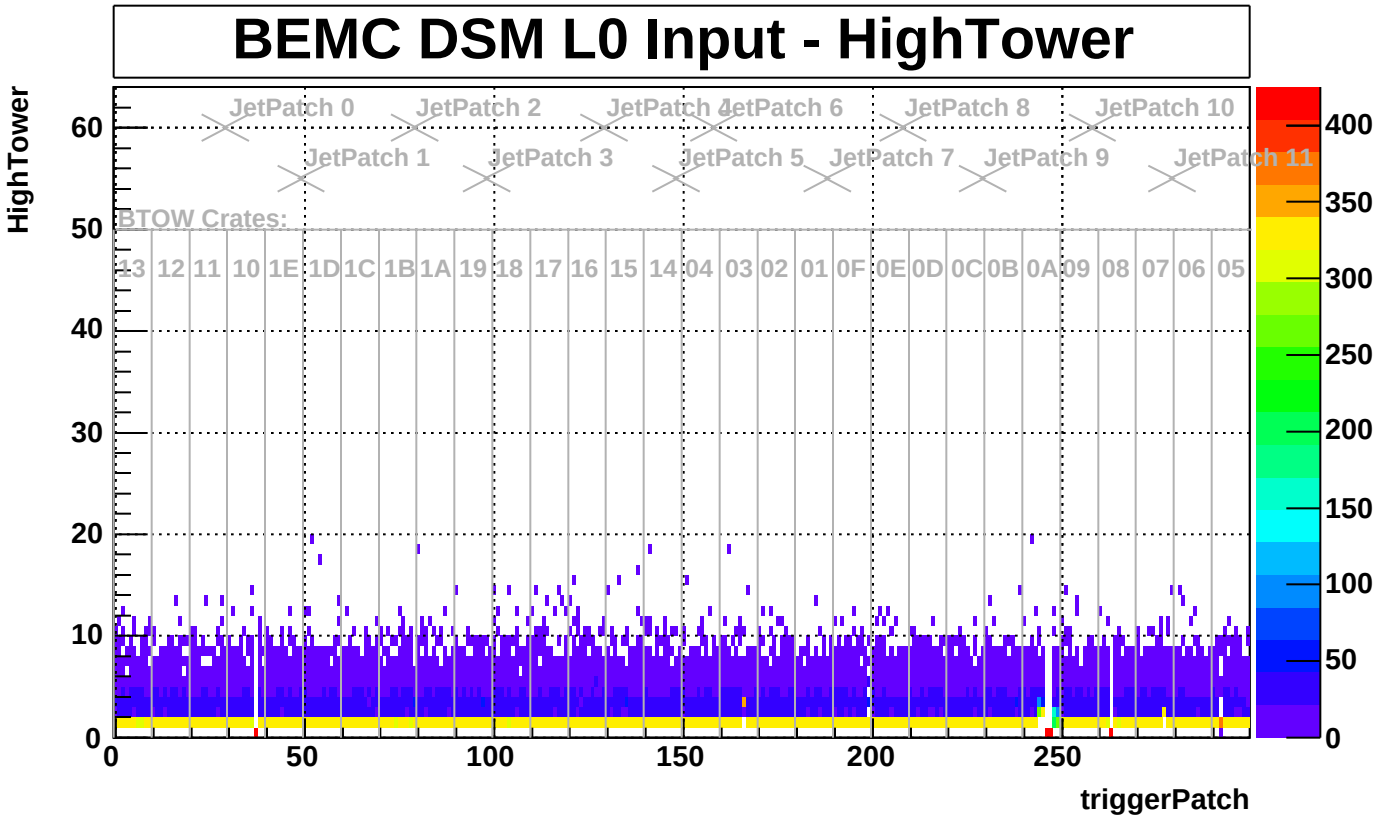

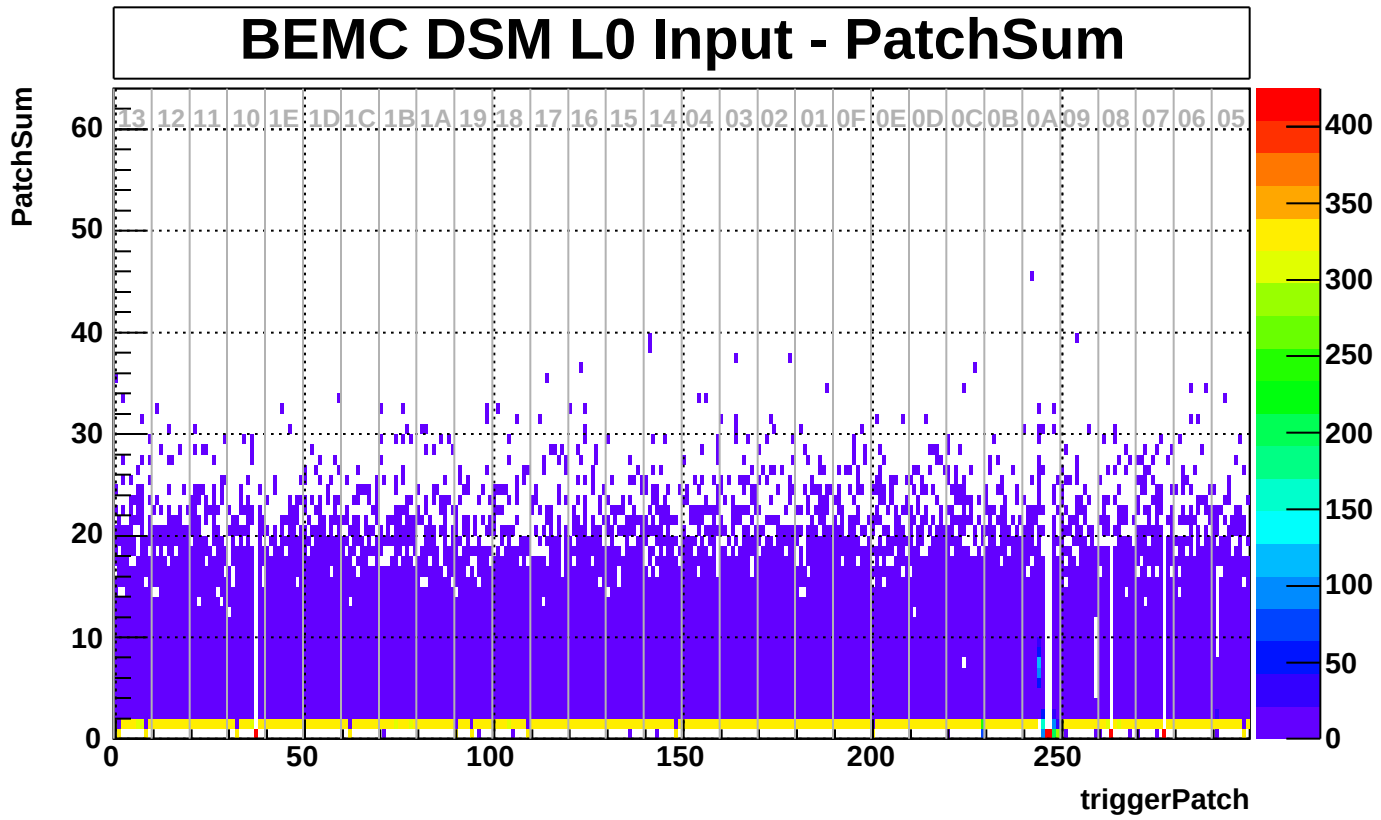

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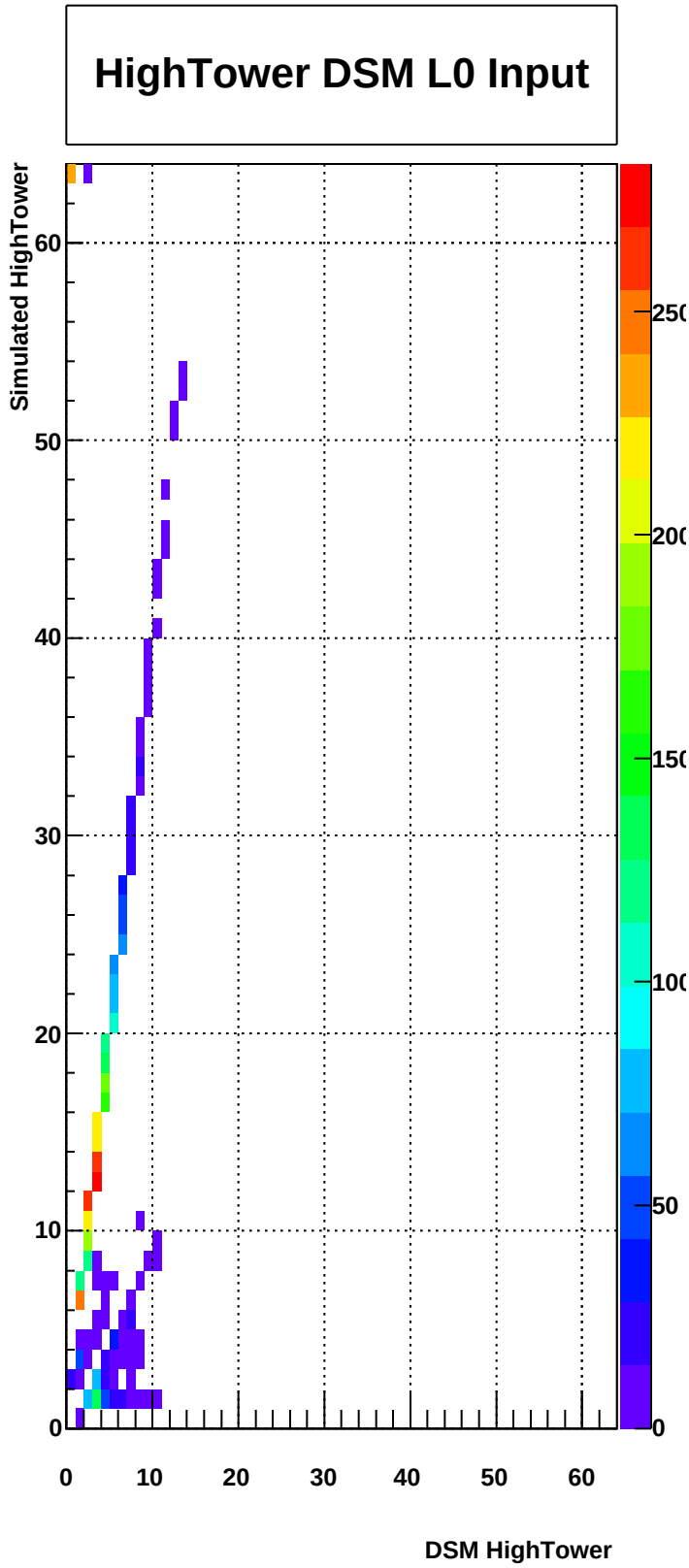

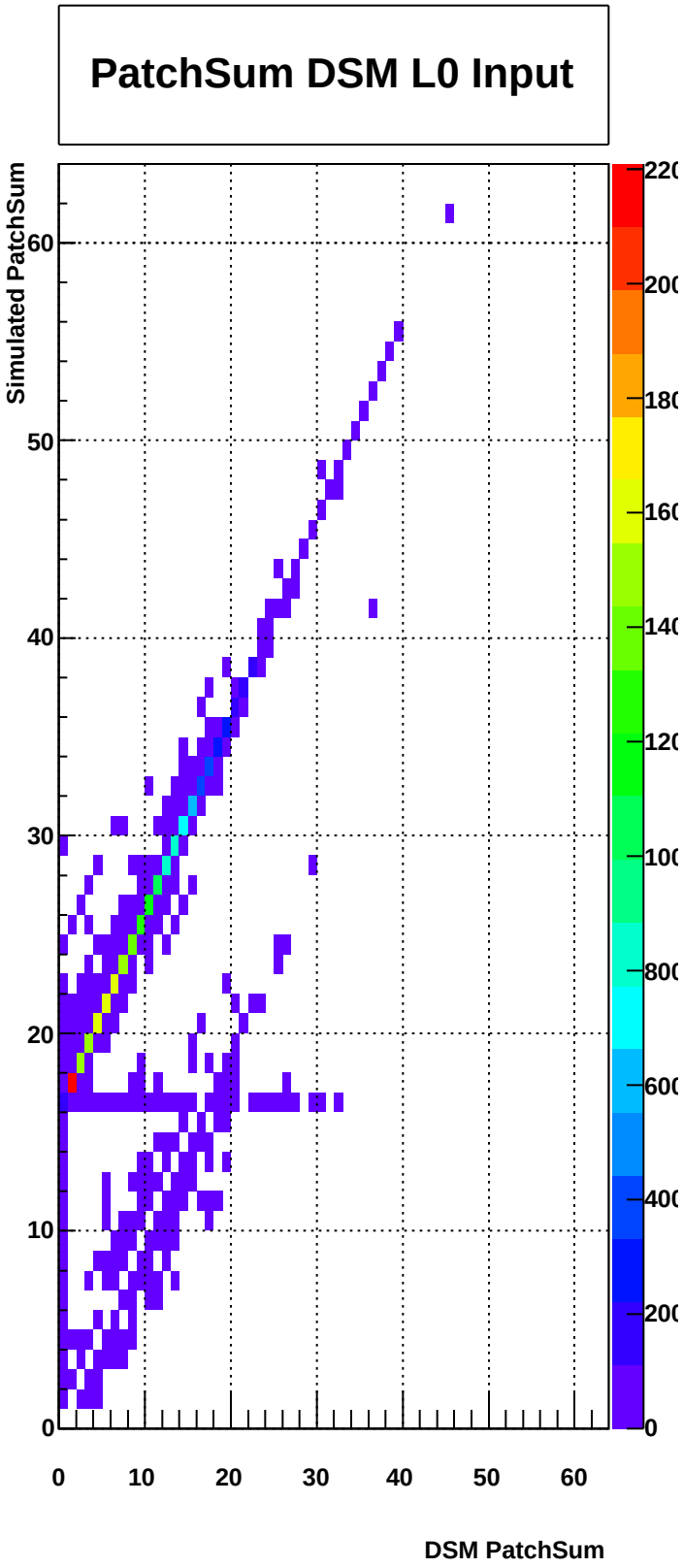

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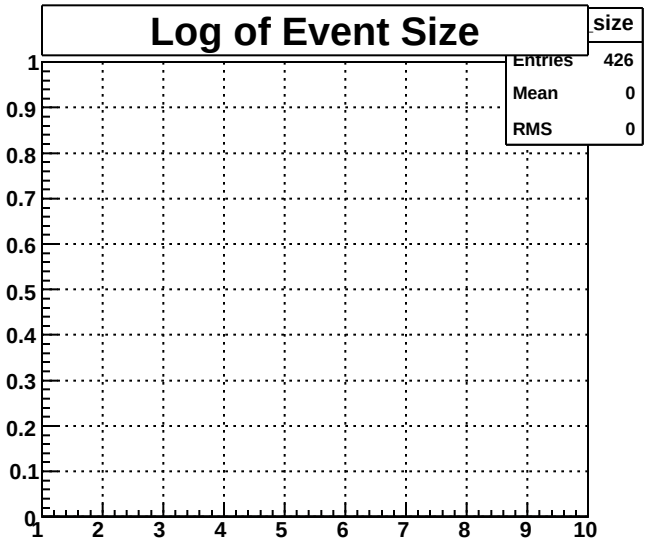
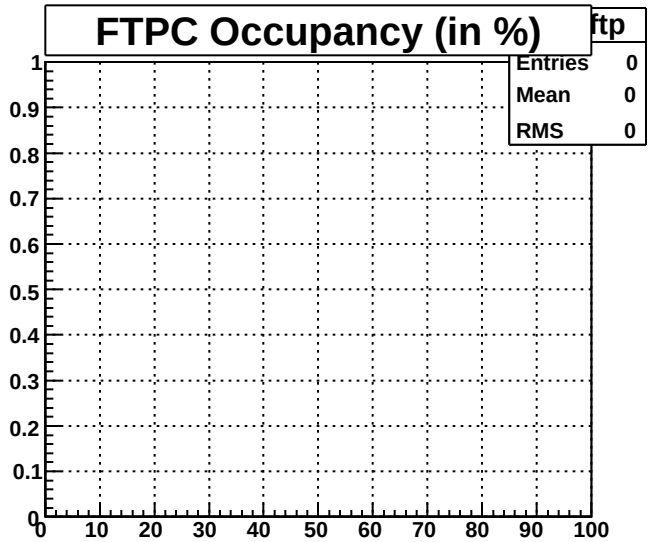
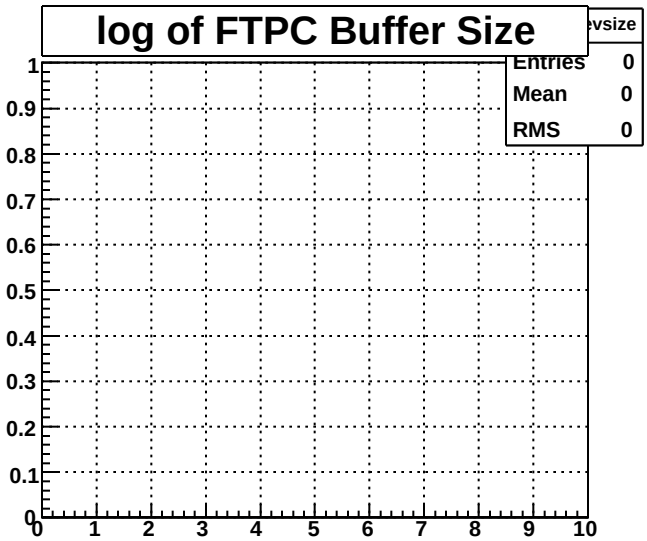
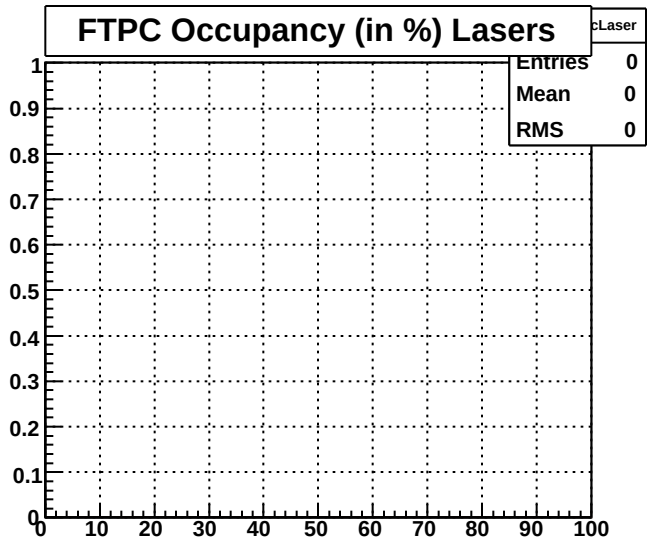
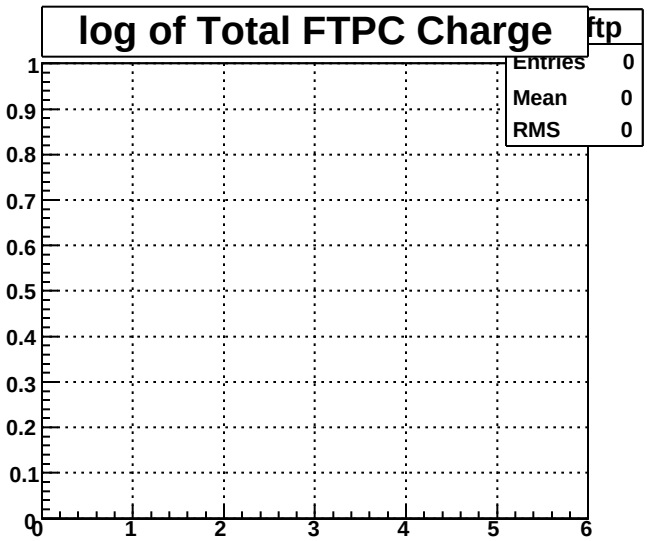
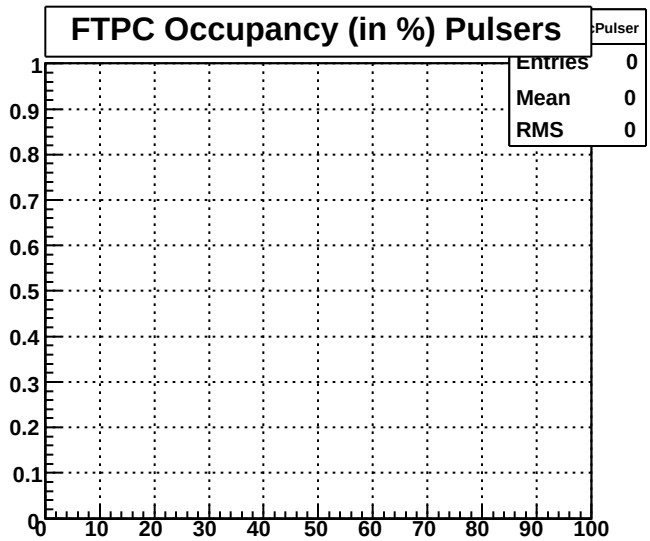

Log of Event Size
size
Entries 426
Mean 0
RMS 0

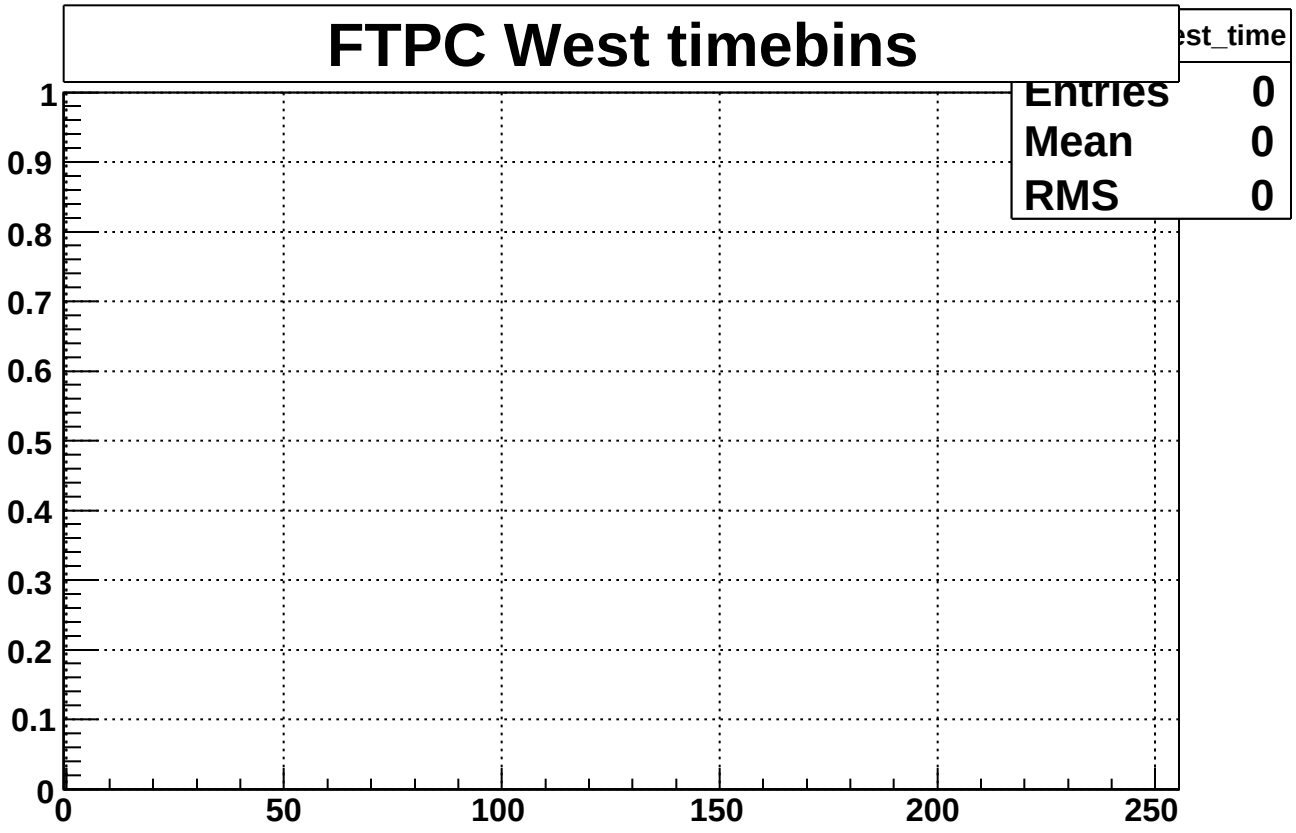

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

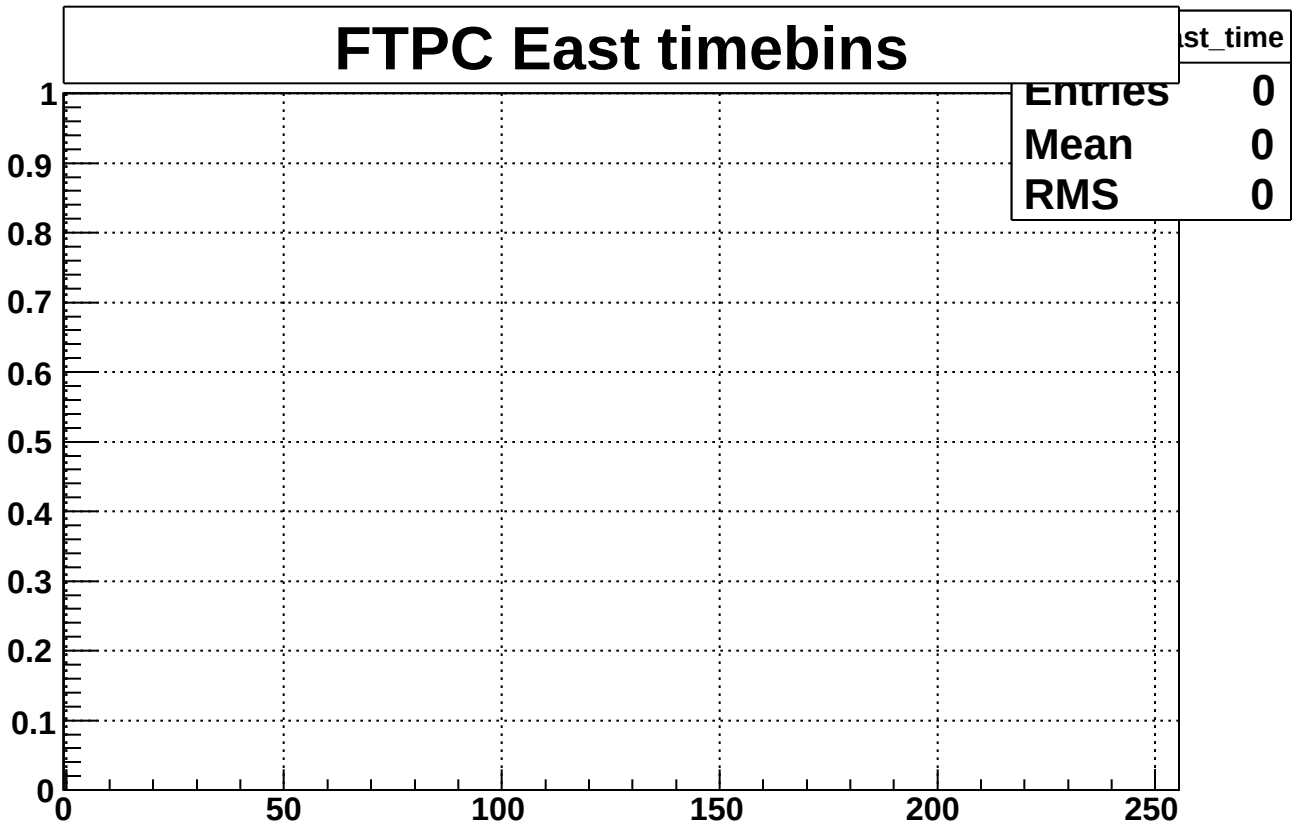

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

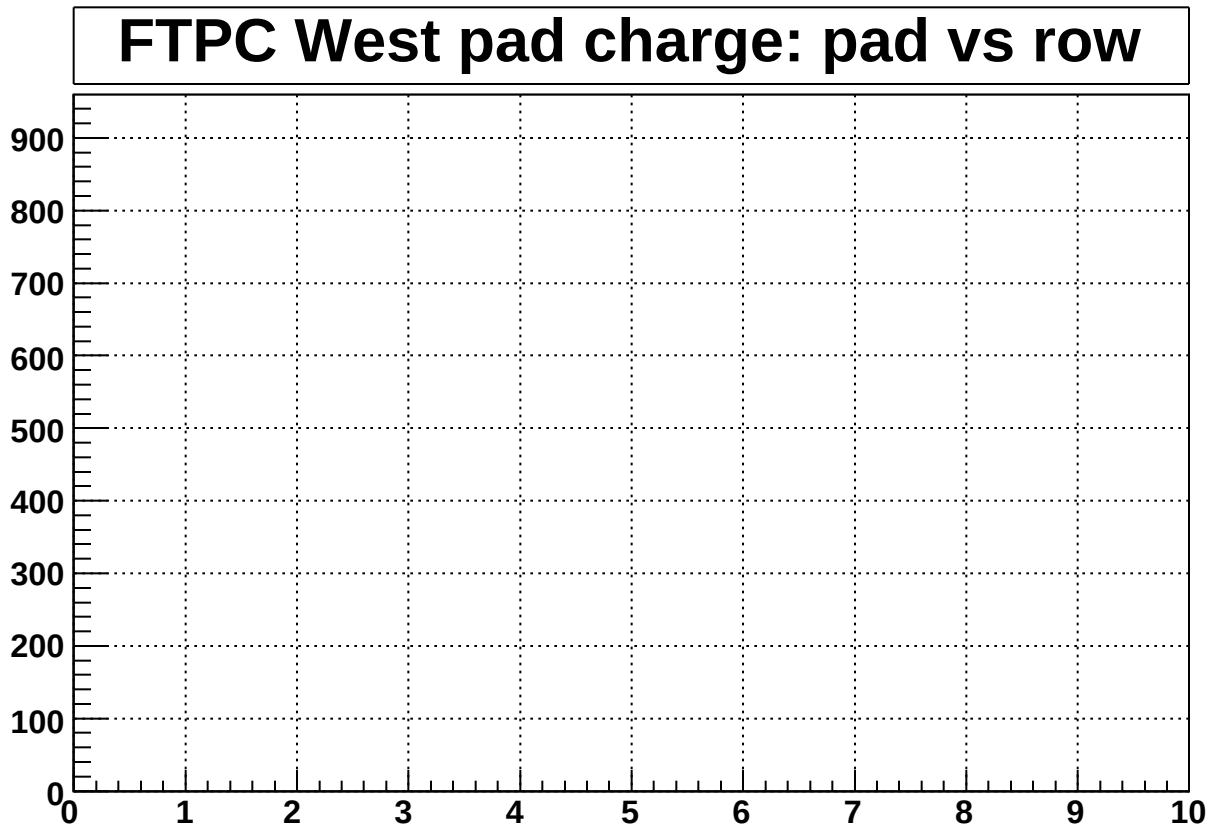

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

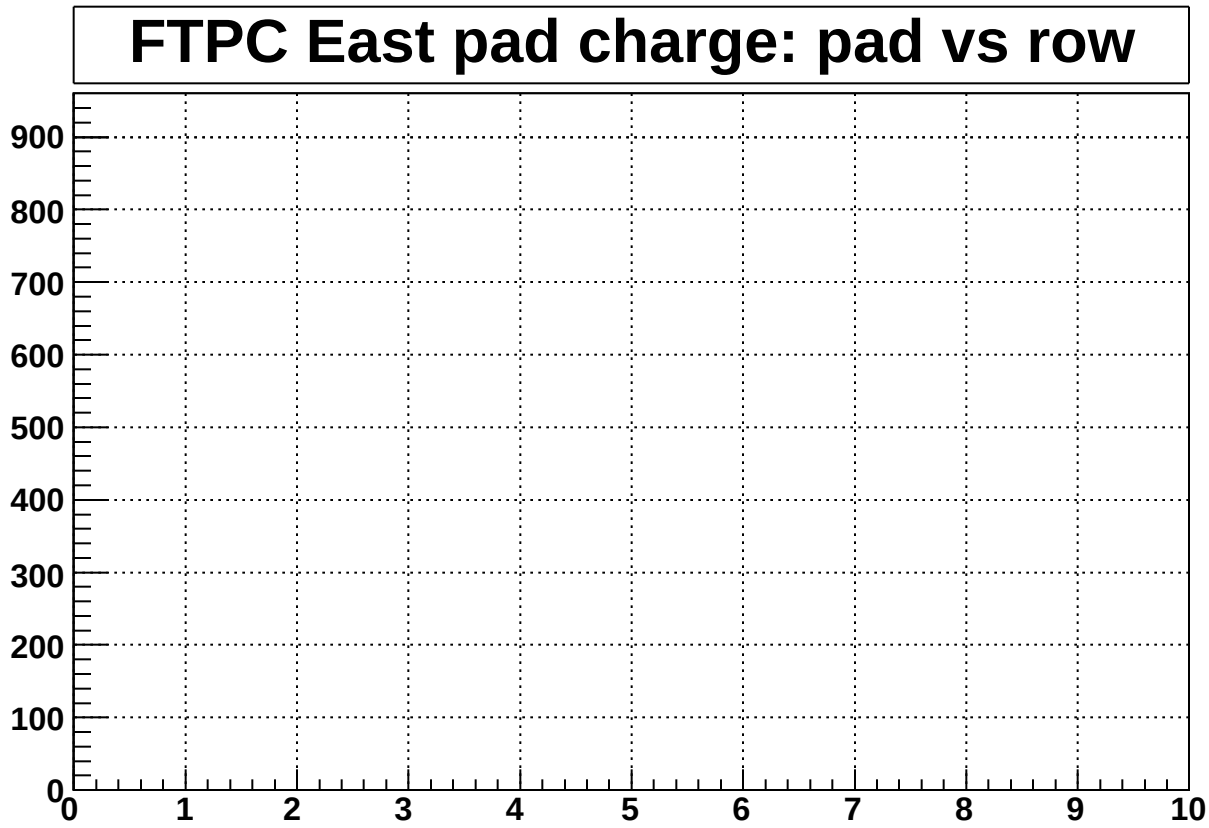

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

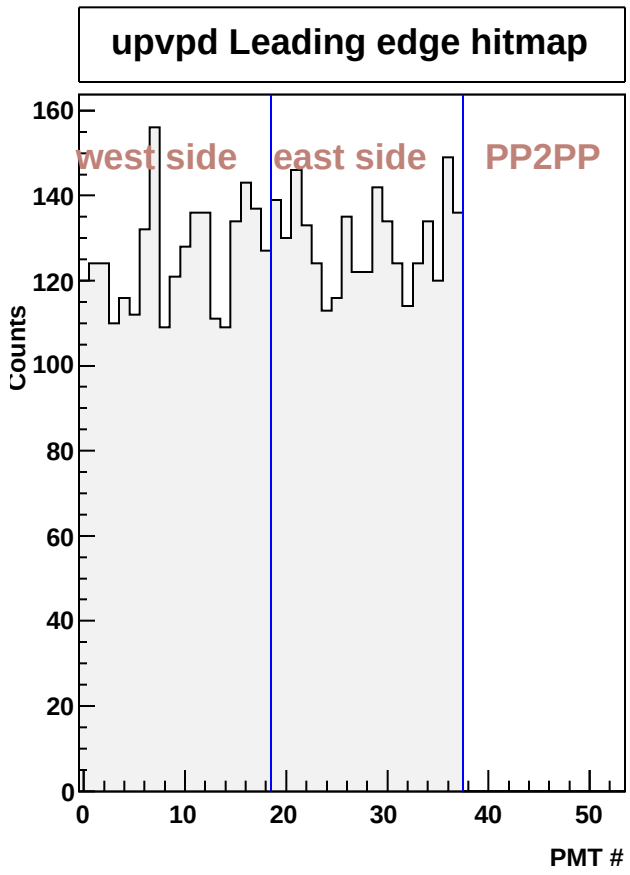

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

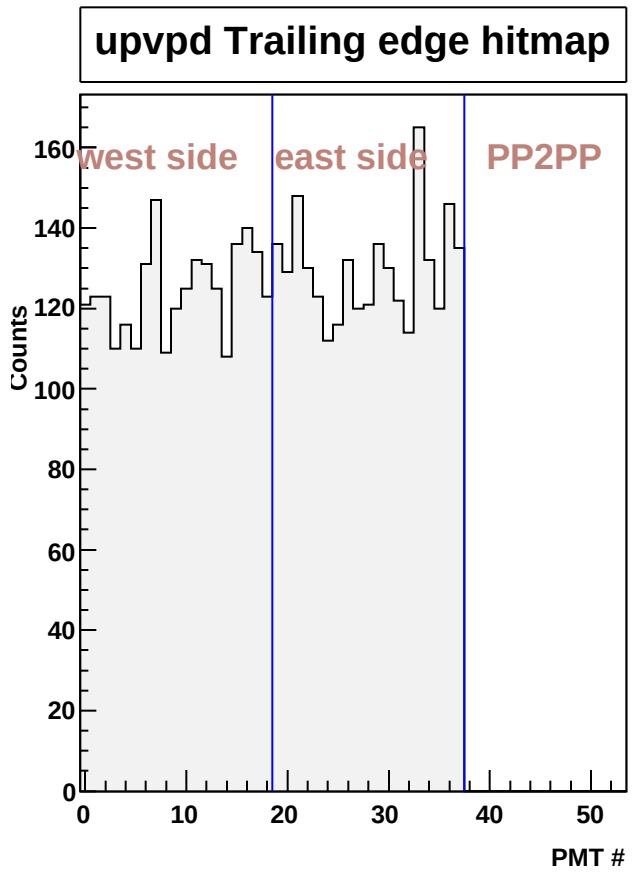

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

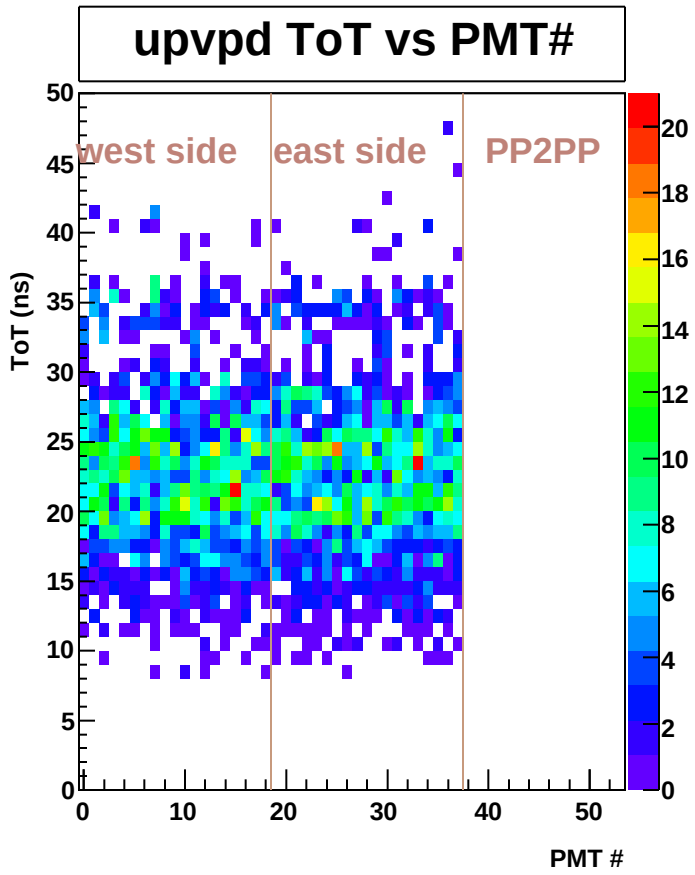

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

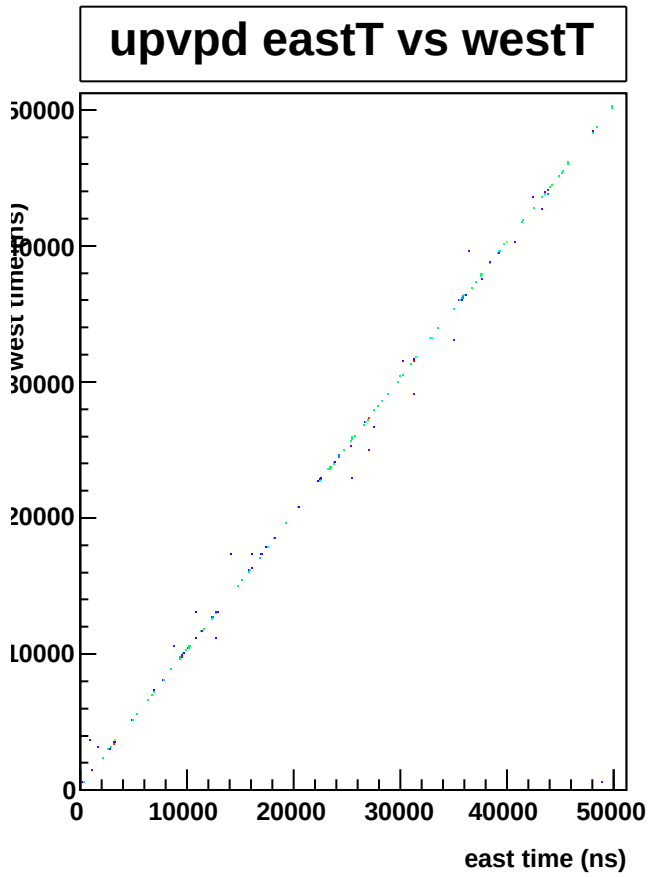

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

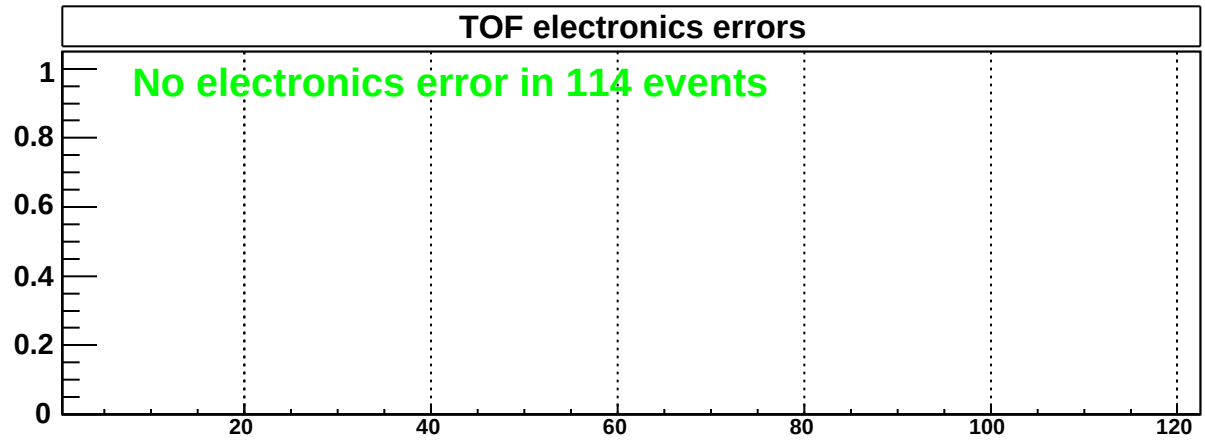

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

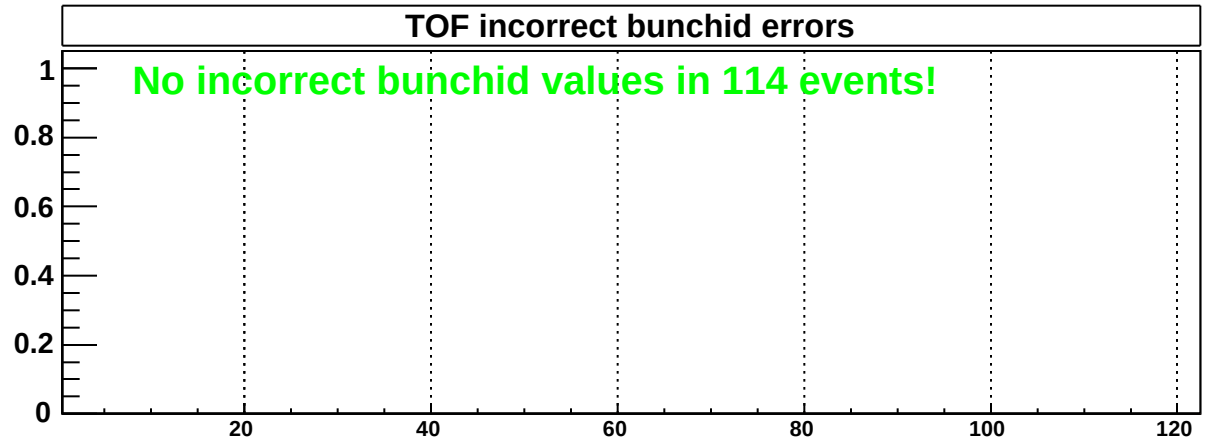

upvpd Leading edge hitmap
west side
east side
PP2PP
Counts
PMT #

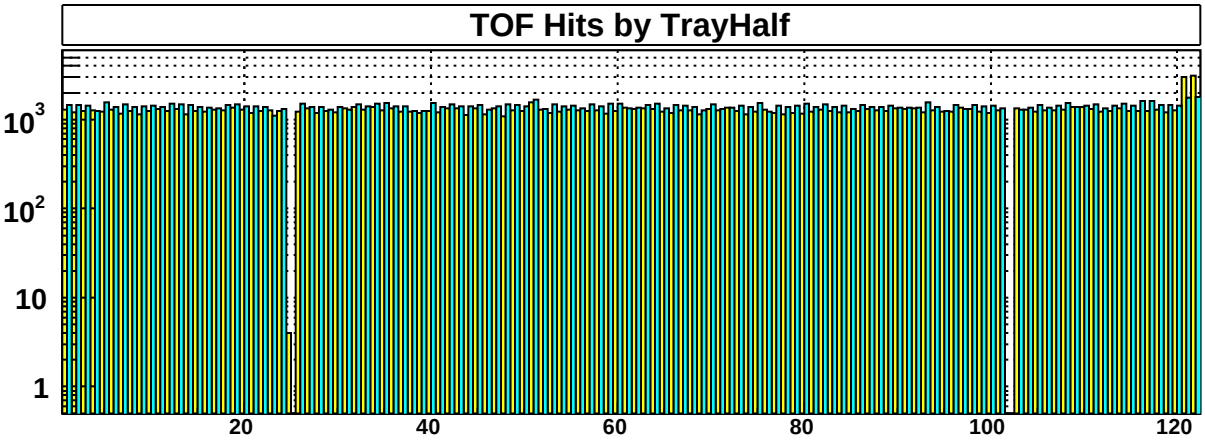

upvpd Trailing edge hitmap
west side
east side
PP2PP
Counts
PMT #

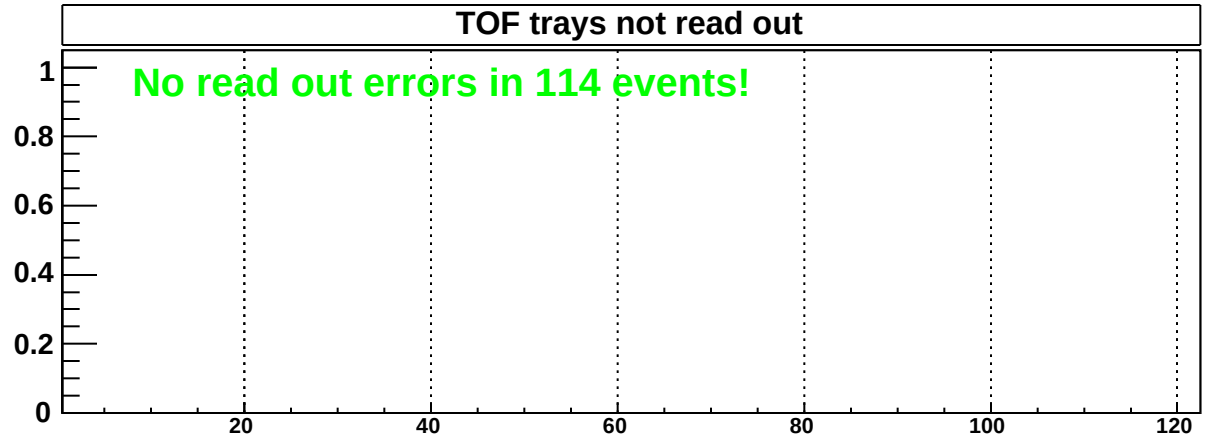

upvpd ToT vs PMT#
west side
east side
PP2PP
ToT (ns)
PMT #

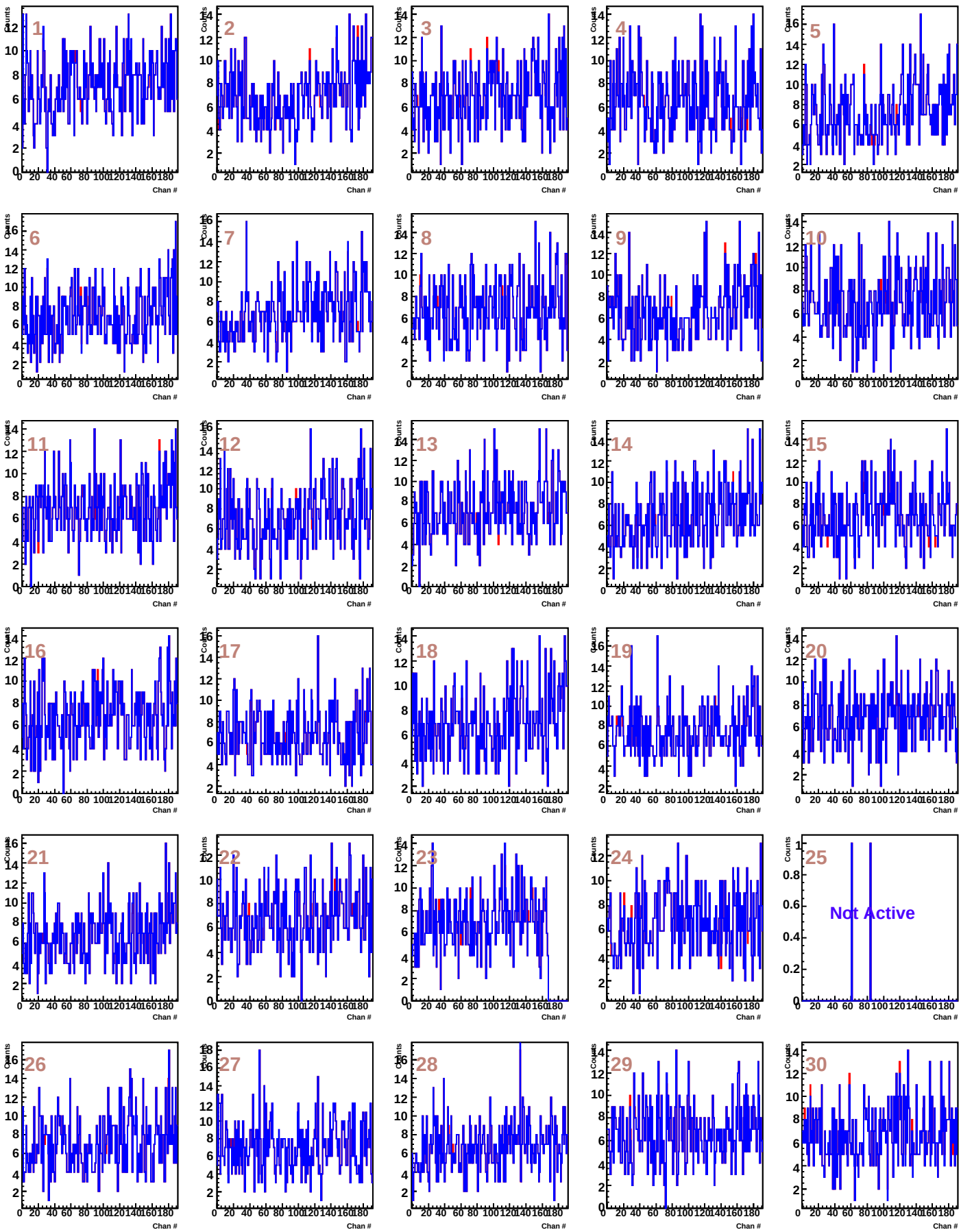

upvpd eastT vs westT
east time (ns)


TOF electronics errors
No electronics error in 114 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 114 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


TOF Hits by TrayHalf
10^3
10^2
10
1
20
40
60
80
100
120


TOF trays not read out
No read out errors in 114 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


1
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4
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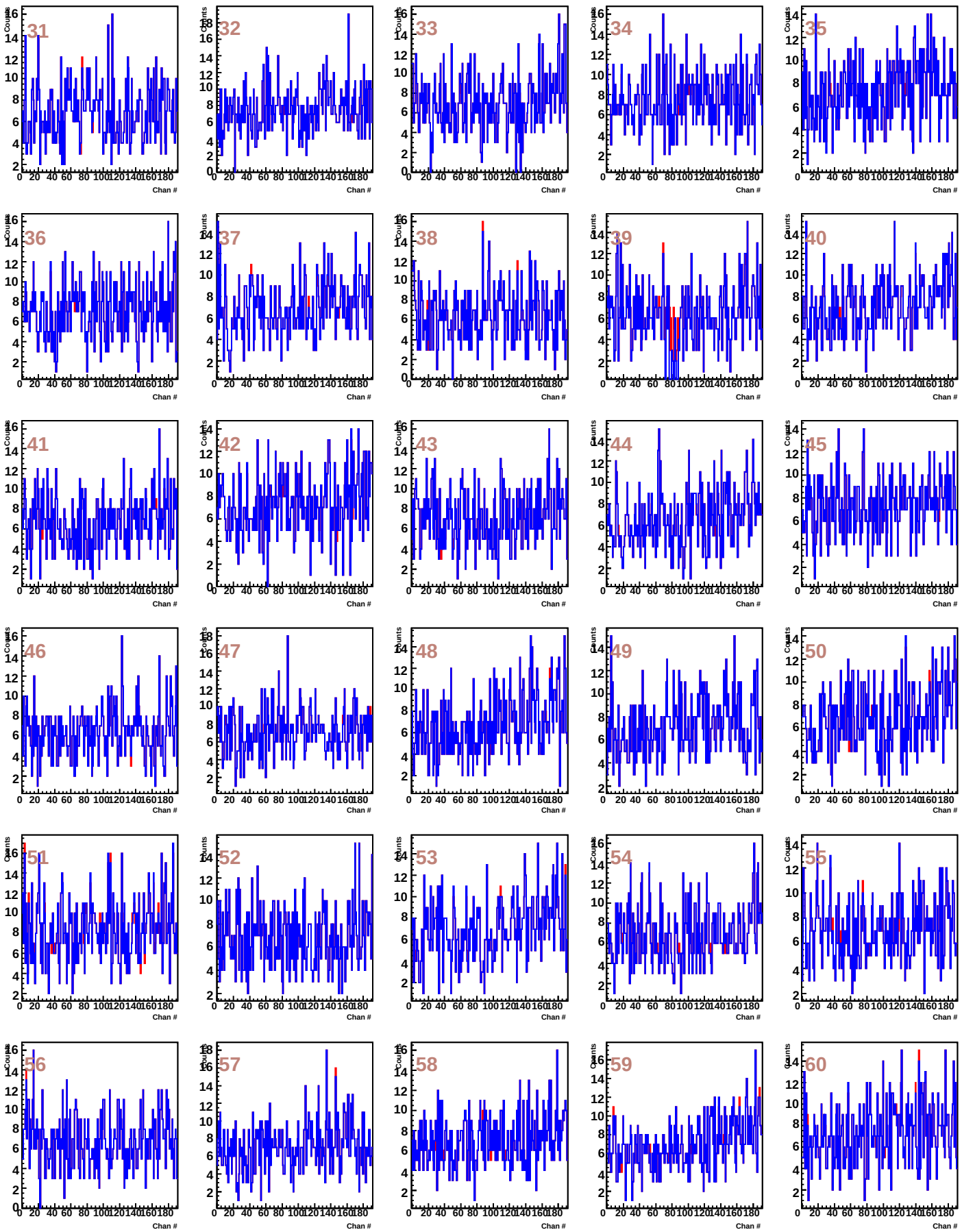
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #


31
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45
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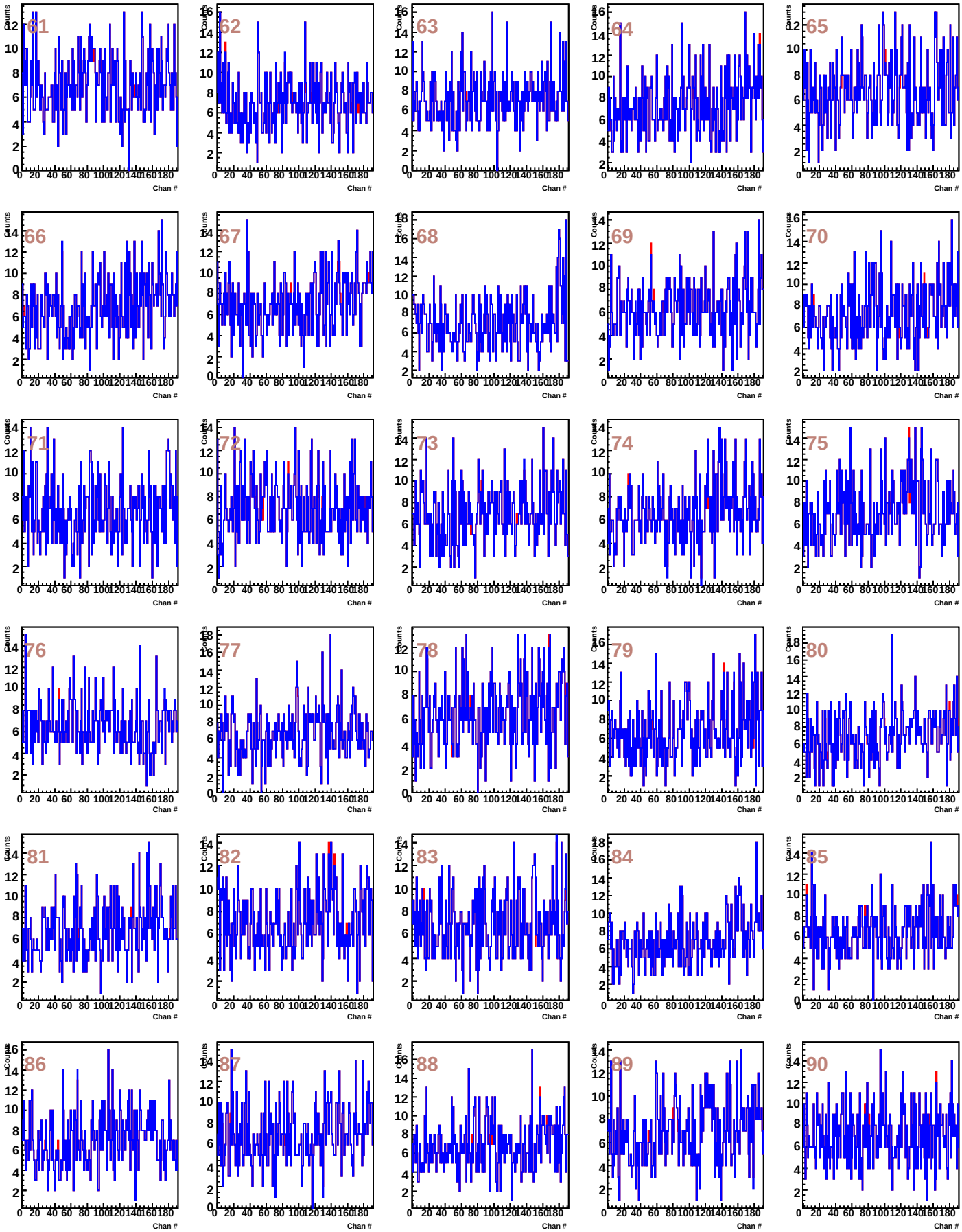
51
52
53
54
55
56
57
58
59
60
Counts
Chan #


61
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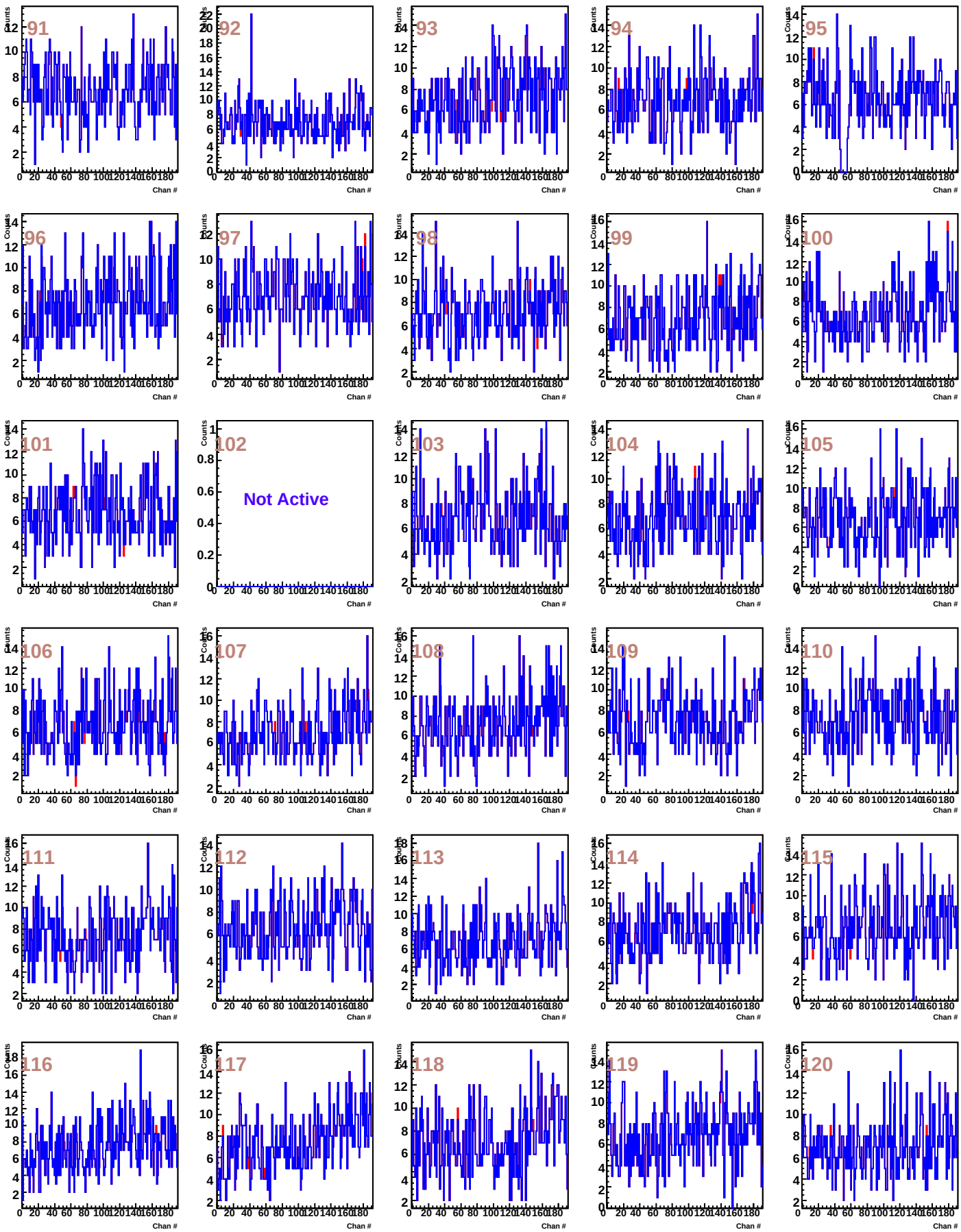
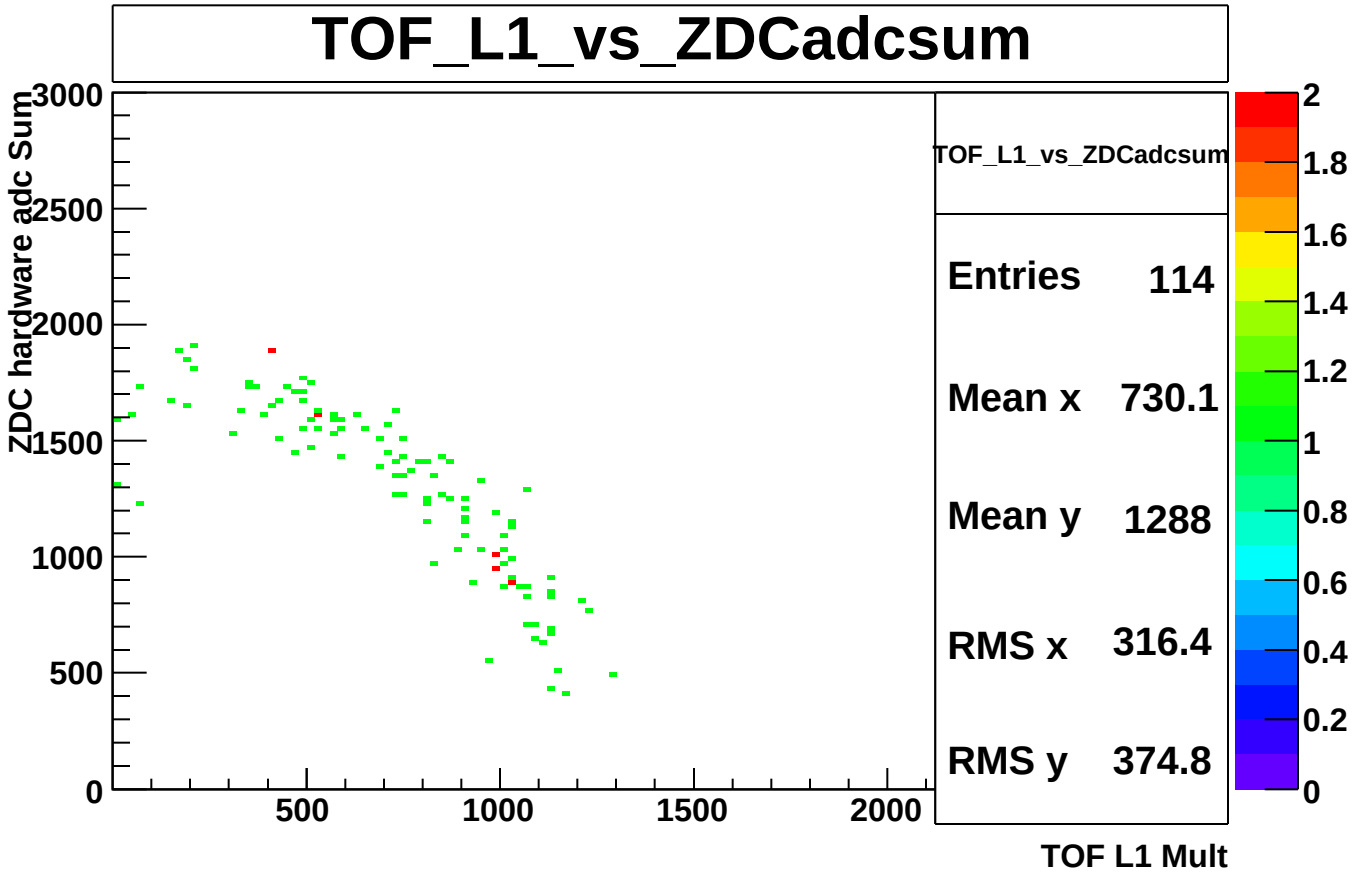
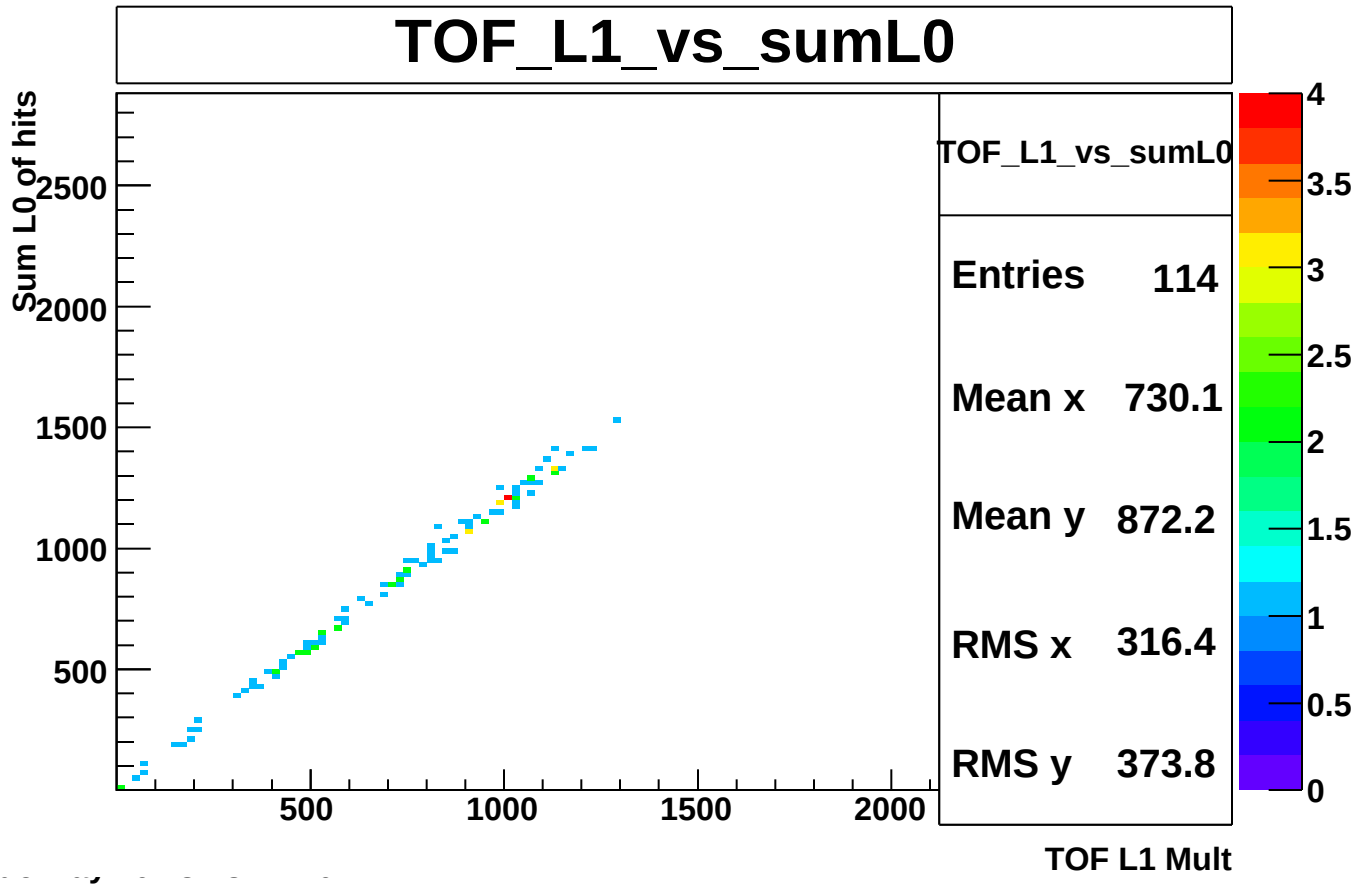
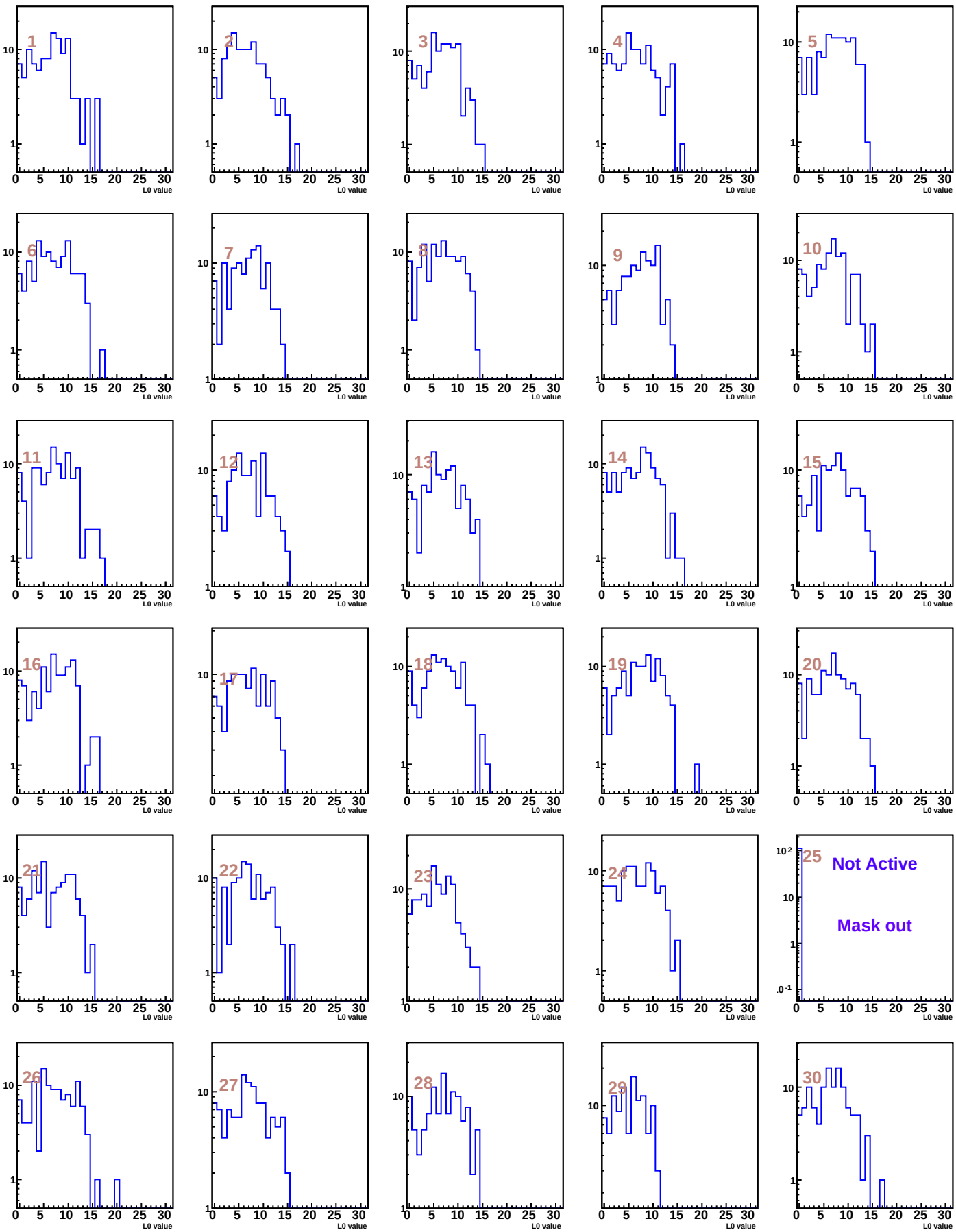
77
78
79
80
81
82
83
84
85
86
87
88
89
90
Counts
Chan #


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
TOF L1 Mult
TOF_L1_vs_ZDCadcsum
Entries 114
Mean x 730.1
Mean y 1288
RMS x 316.4
RMS y 374.8


TOF_L1_vs_sumL0
Sum L0 of hits
TOF L1 Mult
TOF_L1_vs_sumL0
Entries 114
Mean x 730.1
Mean y 872.2
RMS x 316.4
RMS y 373.8


1
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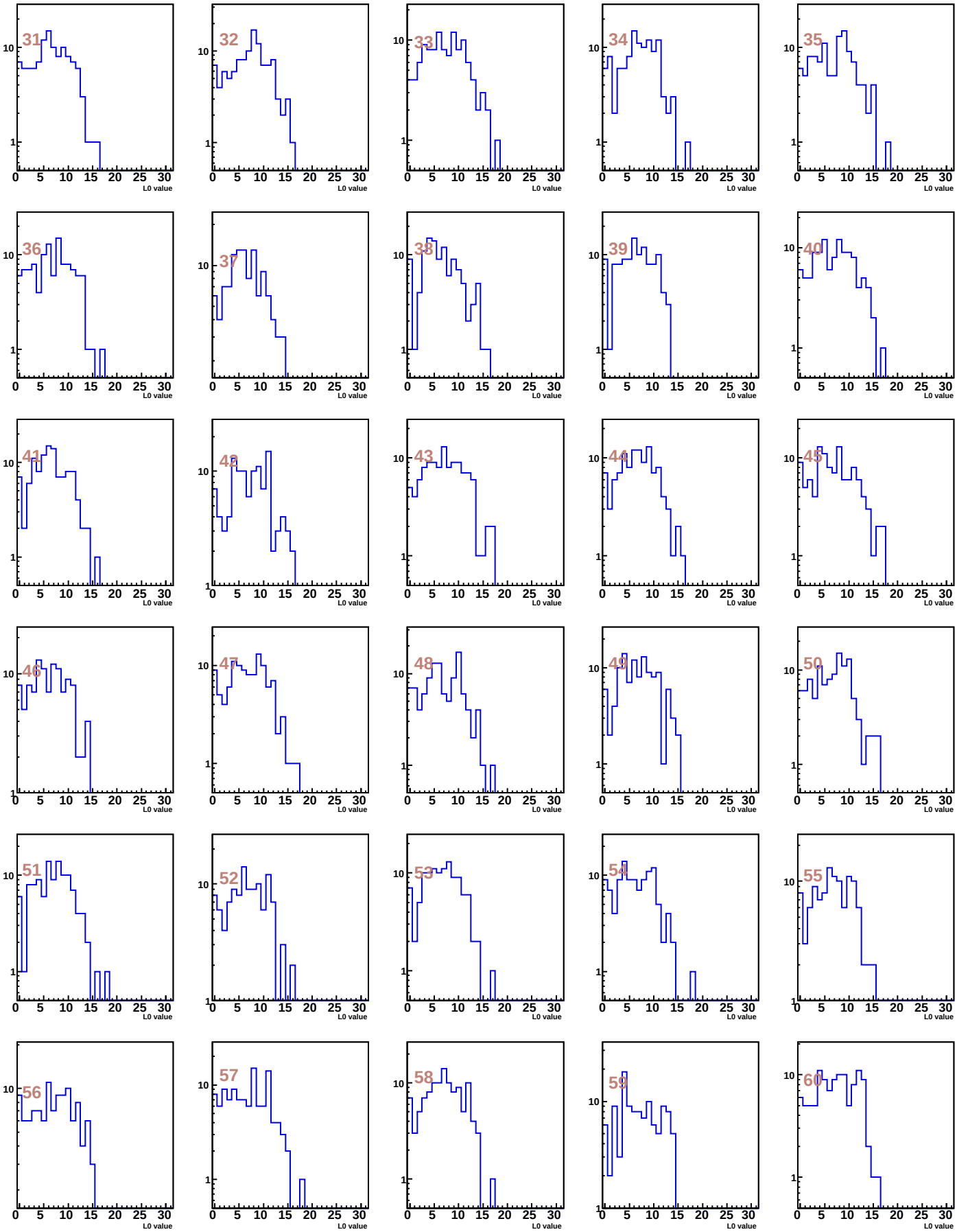
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value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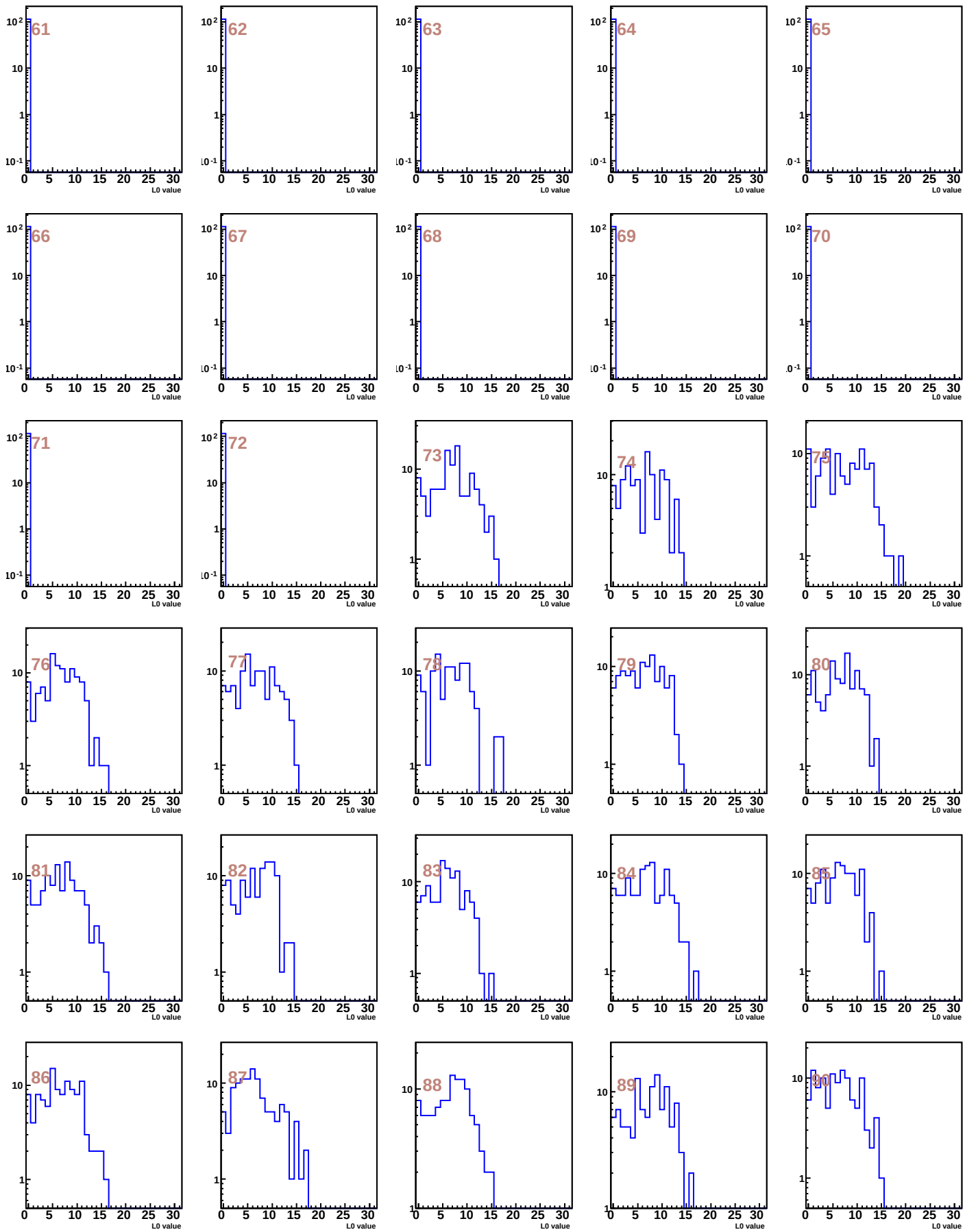
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
L0 value


61
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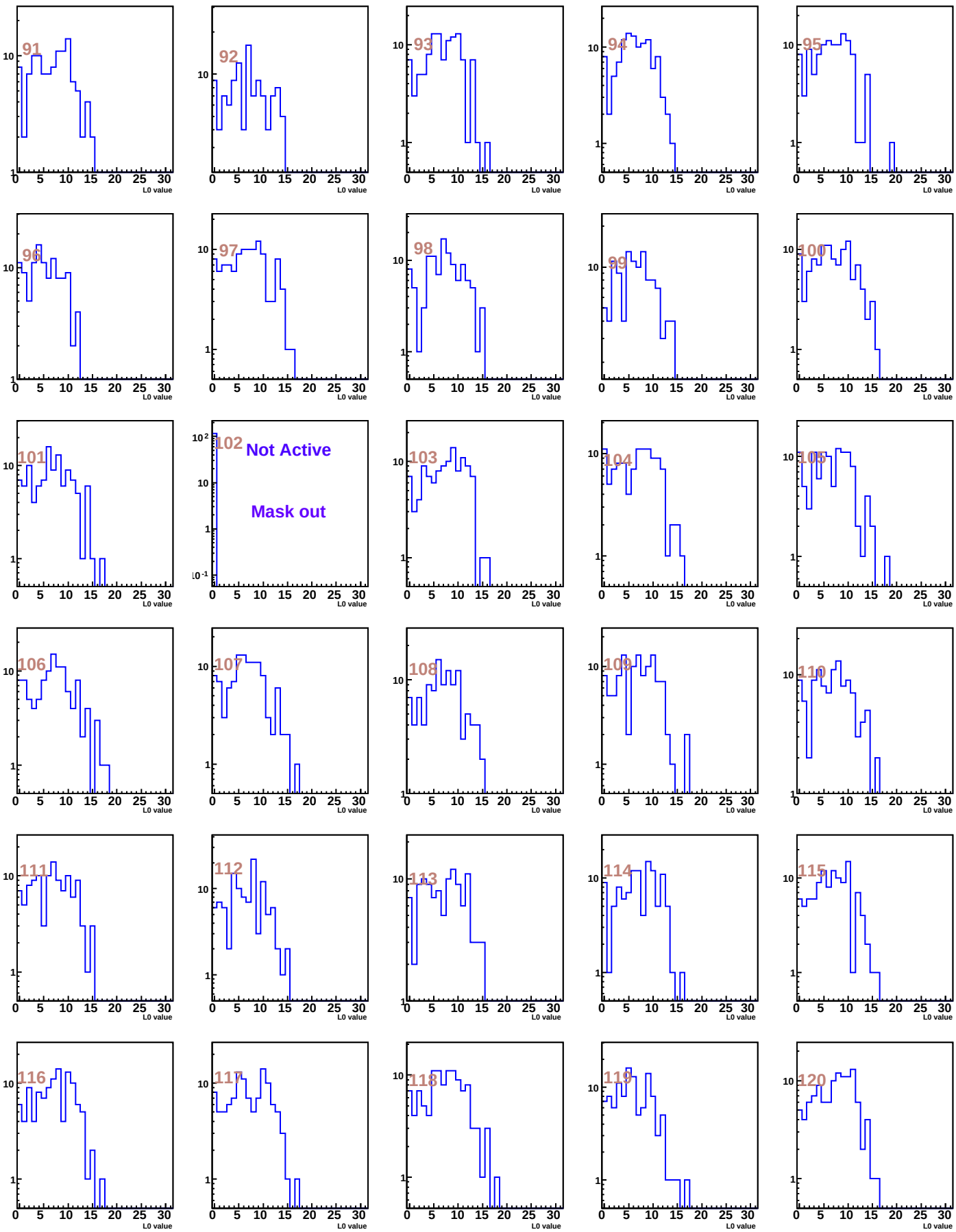
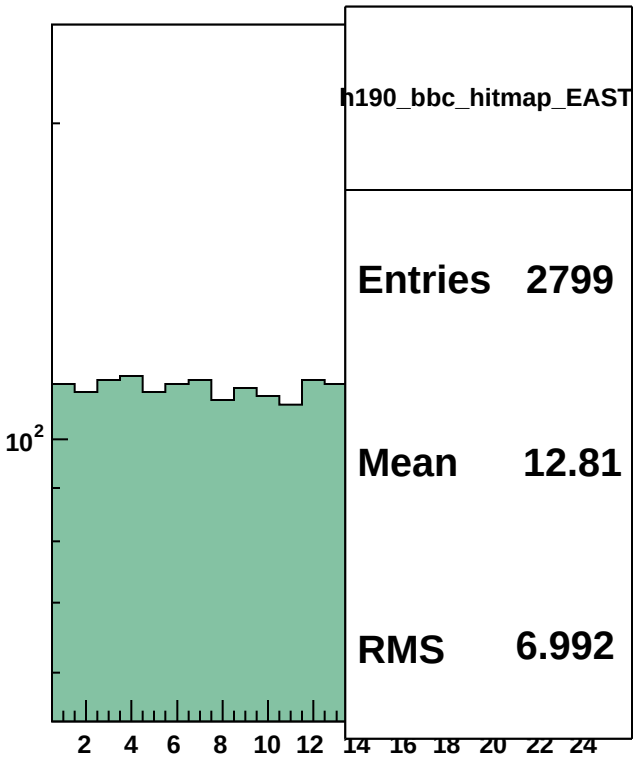
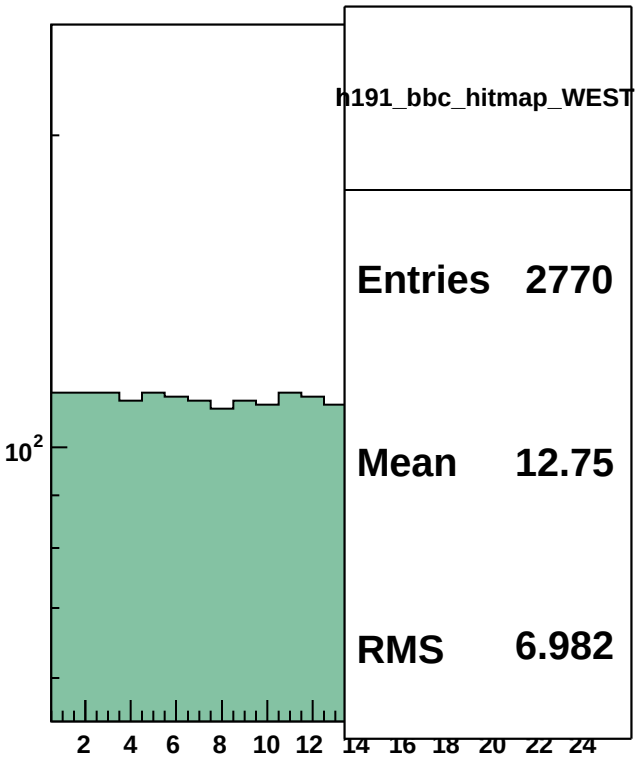
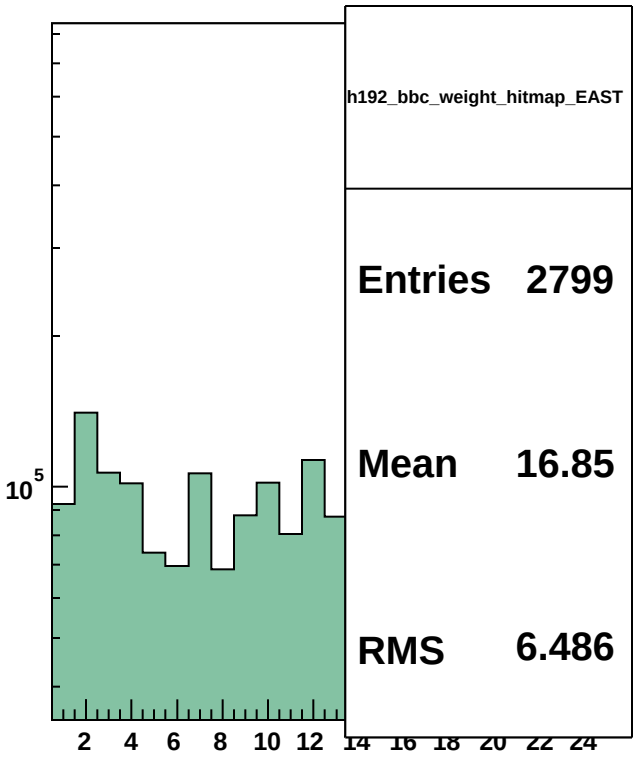
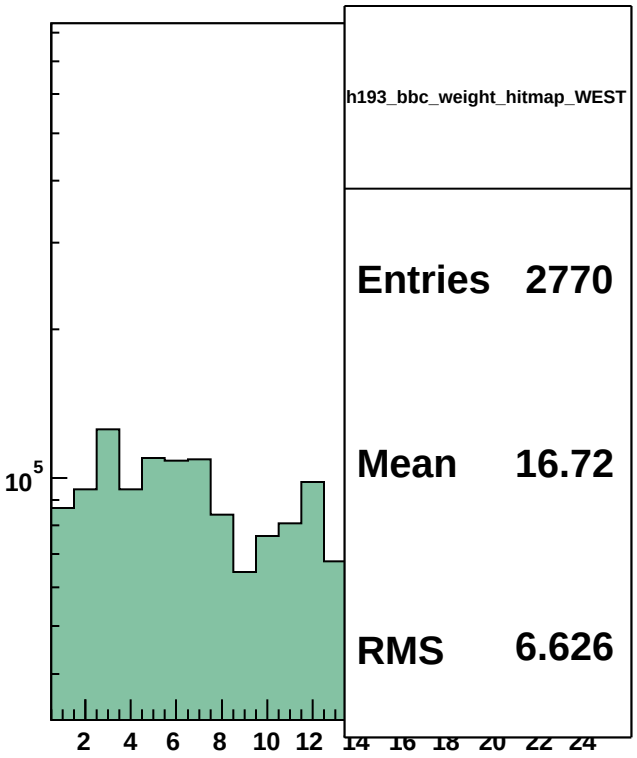
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
L0 value

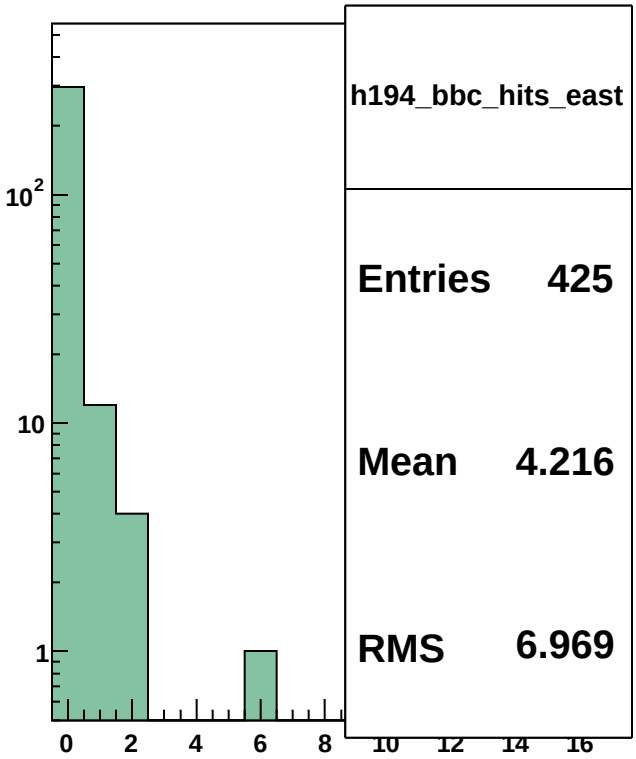

91
92
93
94
95
96
97
98
99
100
101
102
Not Active
Mask out
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

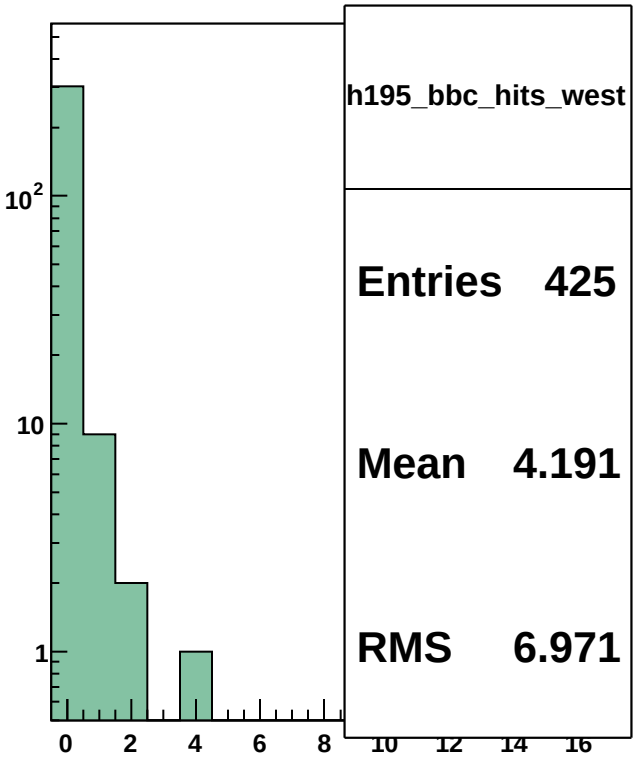

h190_bbc_hitmap_EAST
Entries 2799
Mean 12.81
RMS 6.992
10^2
2 4 6 8 10 12 14 16 18 20 22 24

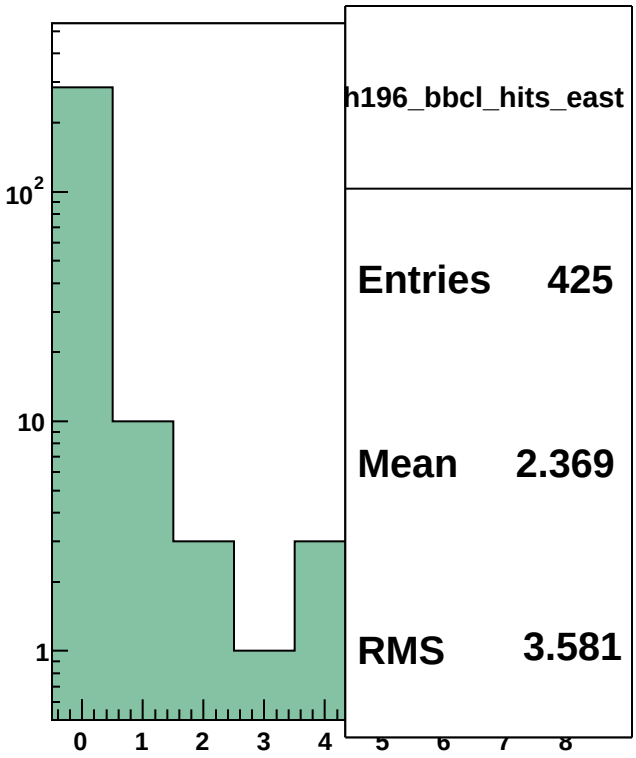

h191_bbc_hitmap_WEST
Entries 2770
Mean 12.75
RMS 6.982
10^2
2 4 6 8 10 12 14 16 18 20 22 24

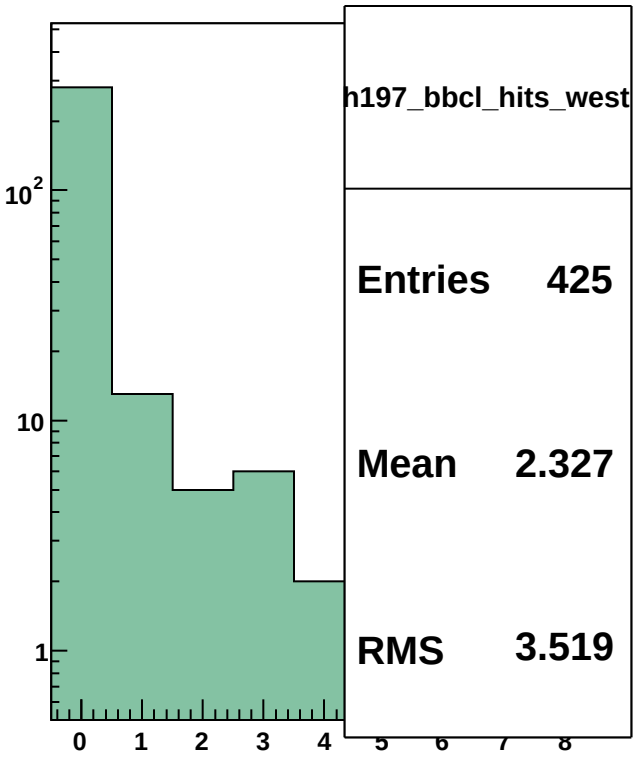

h192_bbc_weight_hitmap_EAST
Entries 2799
Mean 16.85
RMS 6.486
10^5
2 4 6 8 10 12 14 16 18 20 22 24

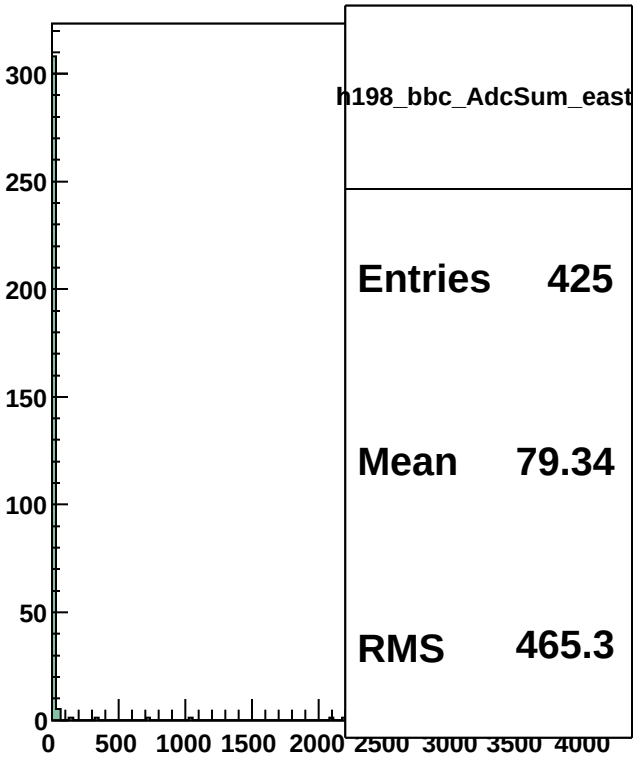

h193_bbc_weight_hitmap_WEST
Entries 2770
Mean 16.72
RMS 6.626
10^5
2 4 6 8 10 12 14 16 18 20 22 24

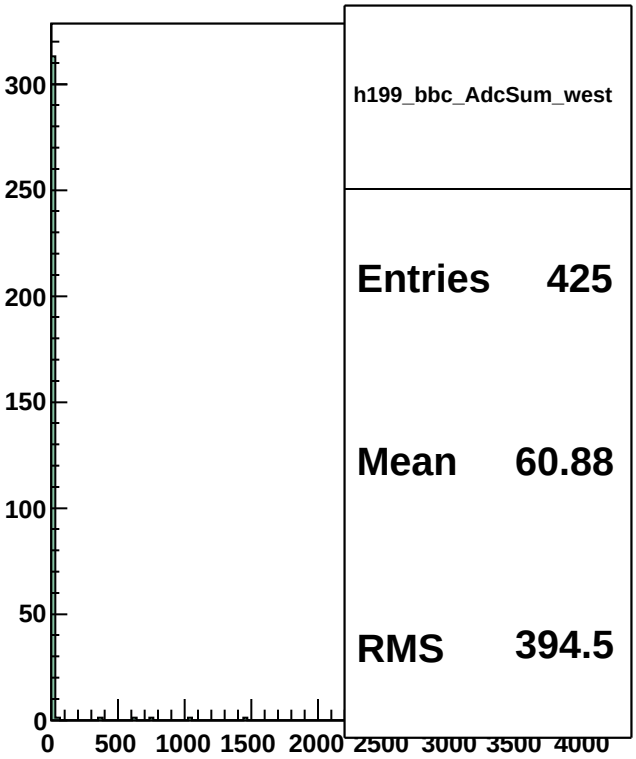

h194_bbc_hits_east
Entries 425
Mean 4.216
RMS 6.969
10^2
10
1
0 2 4 6 8 10 12 14 16

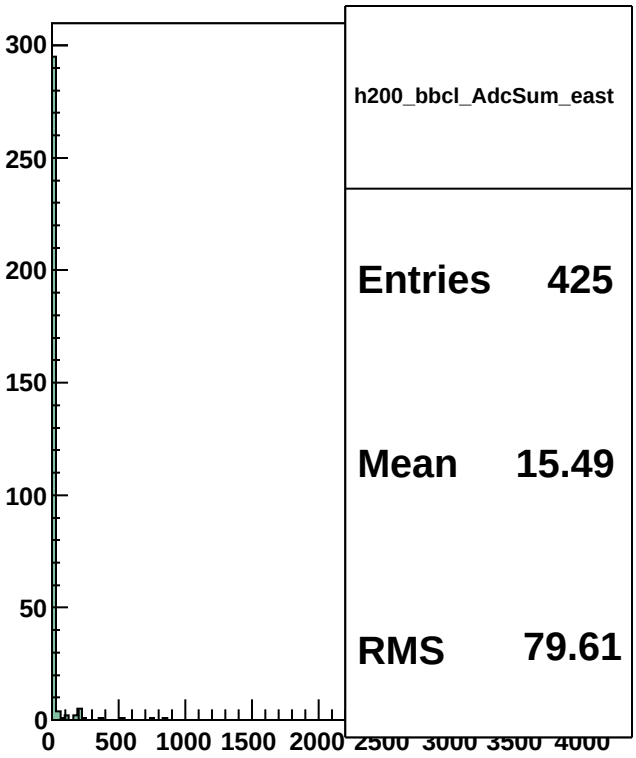

h195_bbc_hits_west
Entries 425
Mean 4.191
RMS 6.971
10^2
10
1
0 2 4 6 8 10 12 14 16

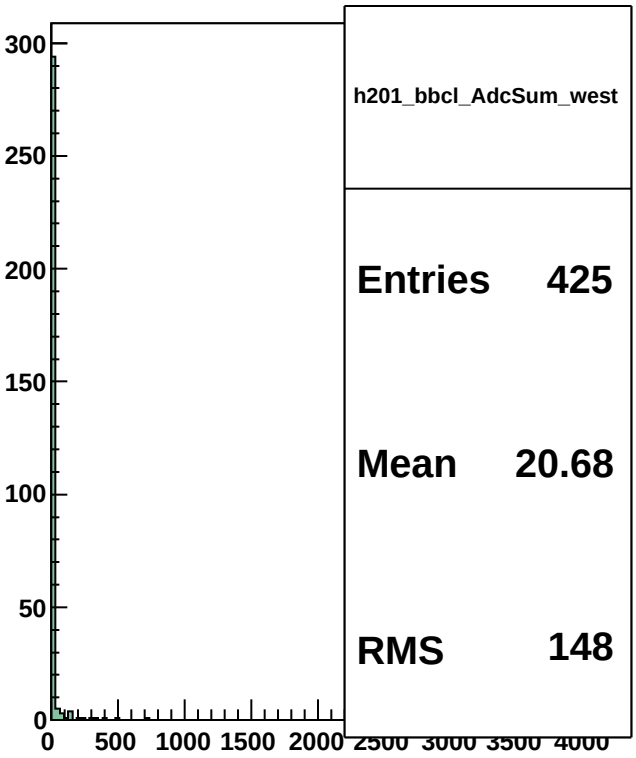

h196_bbcl_hits_east
Entries 425
Mean 2.369
RMS 3.581
10^2
10
1
0 1 2 3 4 5 6 7 8

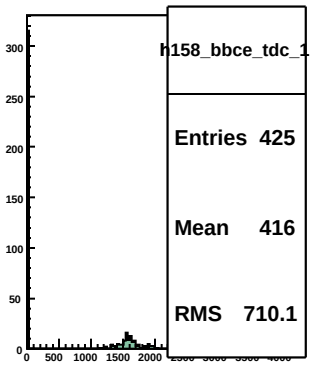

h197_bbcl_hits_west
Entries 425
Mean 2.327
RMS 3.519
10^2
10
1
0 1 2 3 4 5 6 7 8

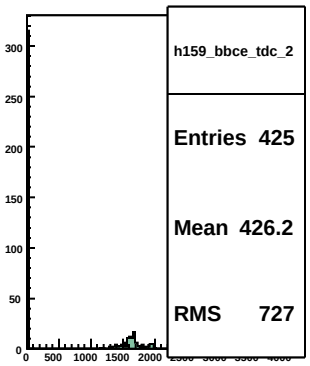

h198_bbc_AdcSum_east
Entries 425
Mean 79.34
RMS 465.3
0
50
100
150
200
250
300
0 500 1000 1500 2000 2500 3000 3500 4000

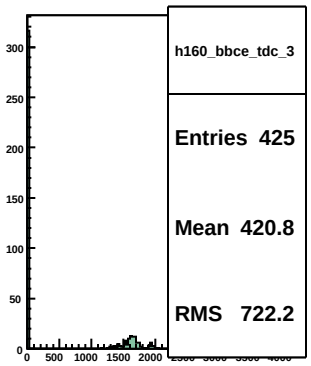

h199_bbc_AdcSum_west
Entries 425
Mean 60.88
RMS 394.5
0
50
100
150
200
250
300
0 500 1000 1500 2000 2500 3000 3500 4000

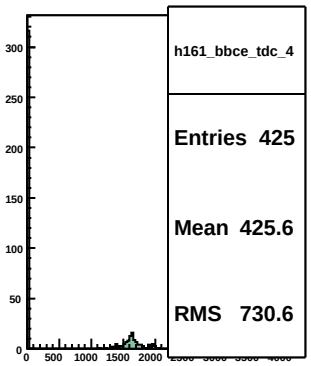

h200_bbcl_AdcSum_east
Entries 425
Mean 15.49
RMS 79.61
0
50
100
150
200
250
300
0 500 1000 1500 2000 2500 3000 3500 4000

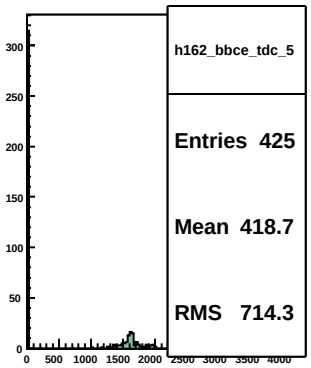

h201_bbcl_AdcSum_west
Entries 425
Mean 20.68
RMS 148
0
50
100
150
200
250
300
0 500 1000 1500 2000 2500 3000 3500 4000

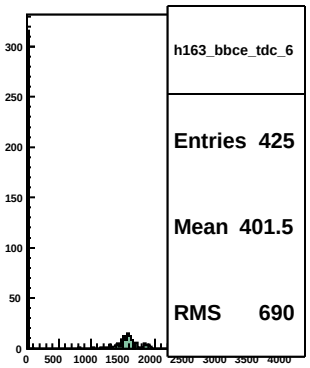

h158_bbce_tdc_1
Entries 425
Mean 416
RMS 710.1

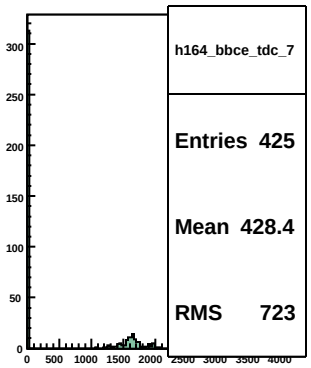

h159_bbce_tdc_2
Entries 425
Mean 426.2
RMS 727

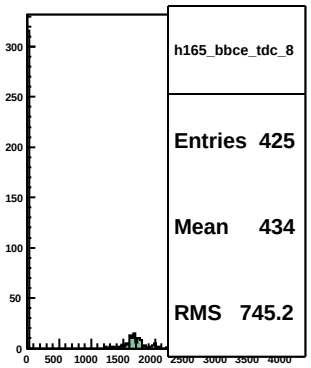

h160_bbce_tdc_3
Entries 425
Mean 420.8
RMS 722.2

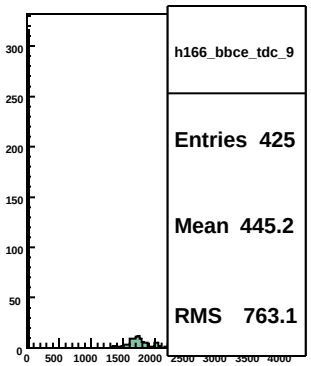

h161_bbce_tdc_4
Entries 425
Mean 425.6
RMS 730.6

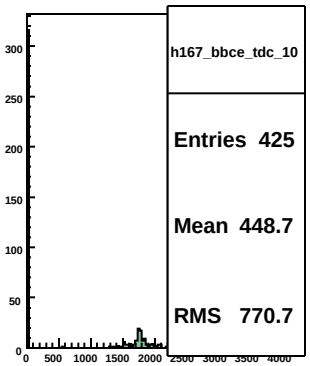

h162_bbce_tdc_5
Entries 425
Mean 418.7
RMS 714.3

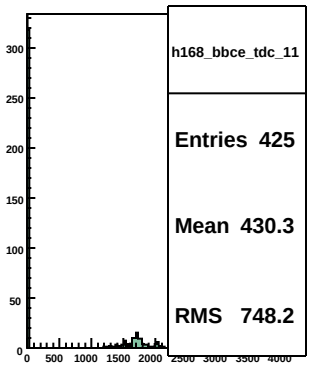

h163_bbce_tdc_6
Entries 425
Mean 401.5
RMS 690

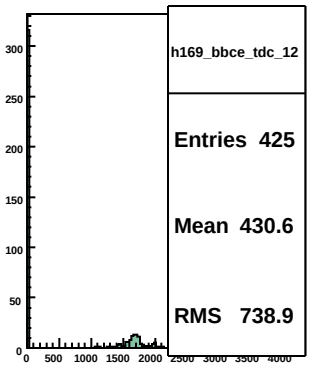

h164_bbce_tdc_7
Entries 425
Mean 428.4
RMS 723

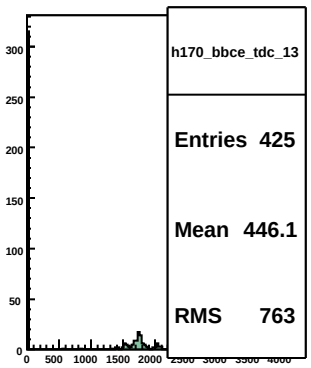

h165_bbce_tdc_8
Entries 425
Mean 434
RMS 745.2

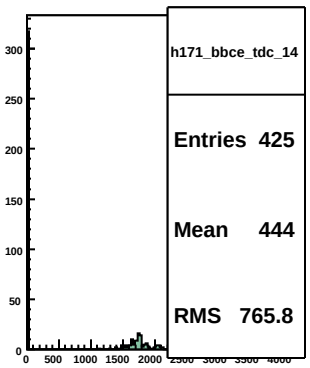

h166_bbce_tdc_9
Entries 425
Mean 445.2
RMS 763.1

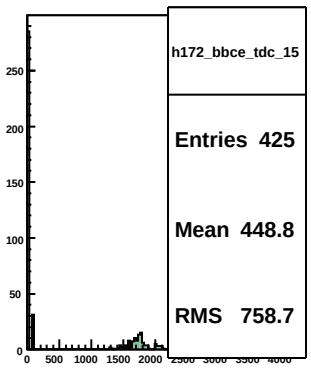

h167_bbce_tdc_10
Entries 425
Mean 448.7
RMS 770.7

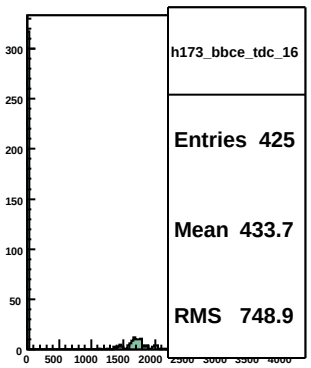

h168_bbce_tdc_11
Entries 425
Mean 430.3
RMS 748.2

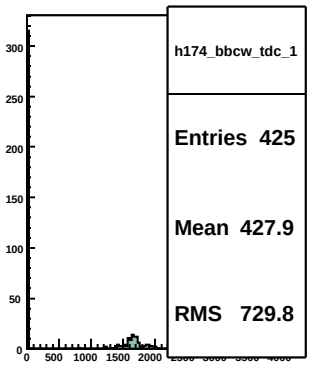

h169_bbce_tdc_12
Entries 425
Mean 430.6
RMS 738.9

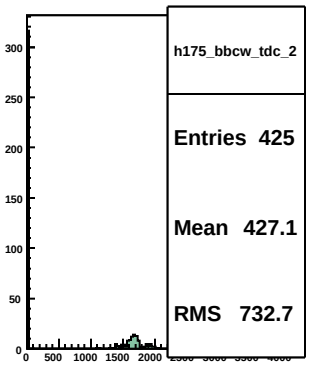

h170_bbce_tdc_13
Entries 425
Mean 446.1
RMS 763

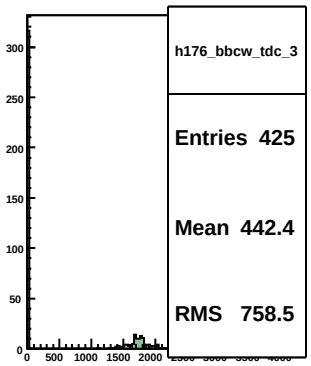

h171_bbce_tdc_14
Entries 425
Mean 444
RMS 765.8

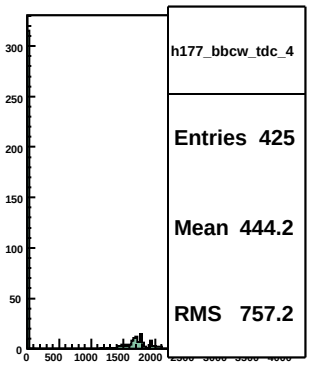

h172_bbce_tdc_15
Entries 425
Mean 448.8
RMS 758.7

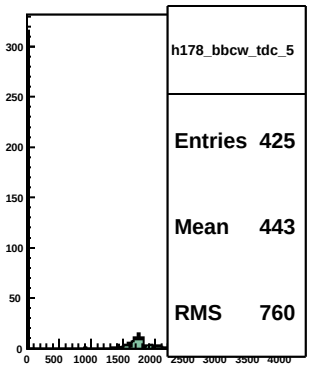

h173_bbce_tdc_16
Entries 425
Mean 433.7
RMS 748.9

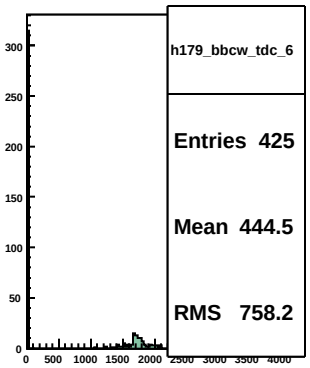

h174_bbcw_tdc_1
Entries 425
Mean 427.9
RMS 729.8

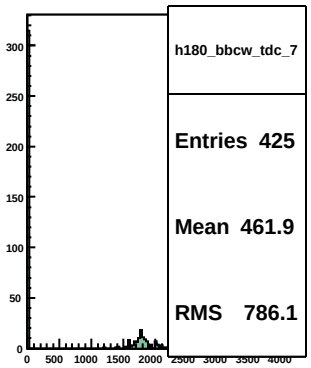

h175_bbcw_tdc_2
Entries 425
Mean 427.1
RMS 732.7

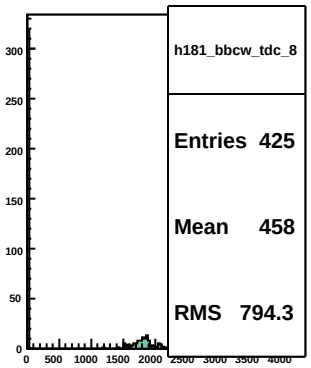

h176_bbcw_tdc_3
Entries 425
Mean 442.4
RMS 758.5

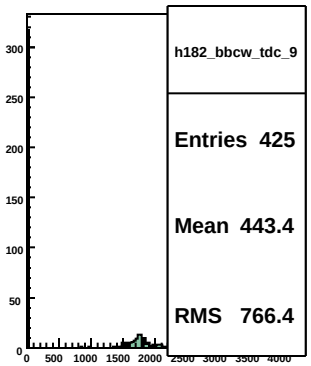

h177_bbcw_tdc_4
Entries 425
Mean 444.2
RMS 757.2

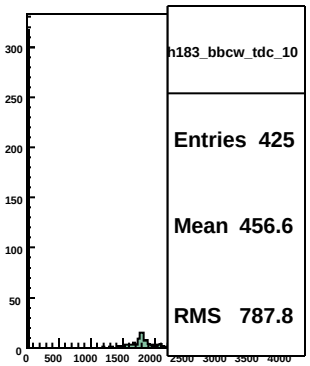

h178_bbcw_tdc_5
Entries 425
Mean 443
RMS 760

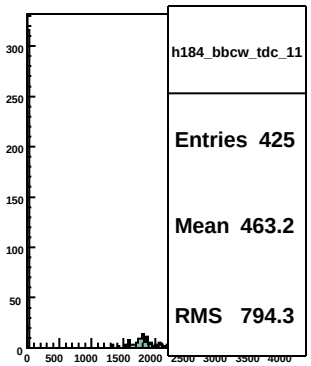

h179_bbcw_tdc_6
Entries 425
Mean 444.5
RMS 758.2

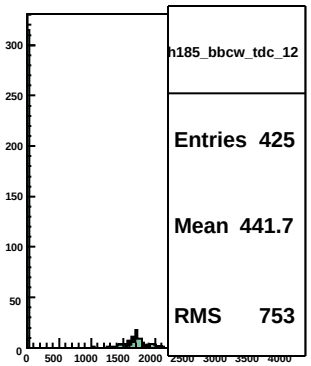

h180_bbcw_tdc_7
Entries 425
Mean 461.9
RMS 786.1

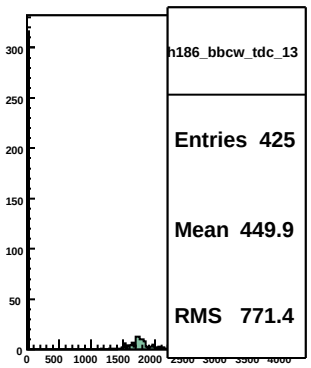

h181_bbcw_tdc_8
Entries 425
Mean 458
RMS 794.3

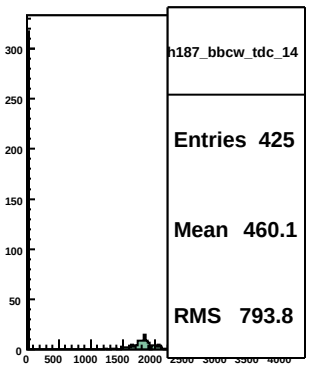

h182_bbcw_tdc_9
Entries 425
Mean 443.4
RMS 766.4

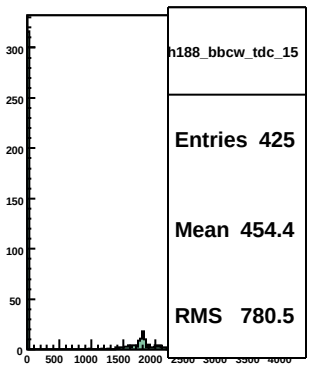

h183_bbcw_tdc_10
Entries 425
Mean 456.6
RMS 787.8

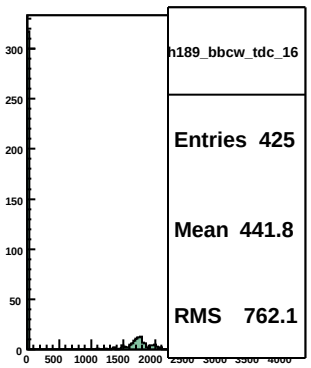

h184_bbcw_tdc_11
Entries 425
Mean 463.2
RMS 794.3

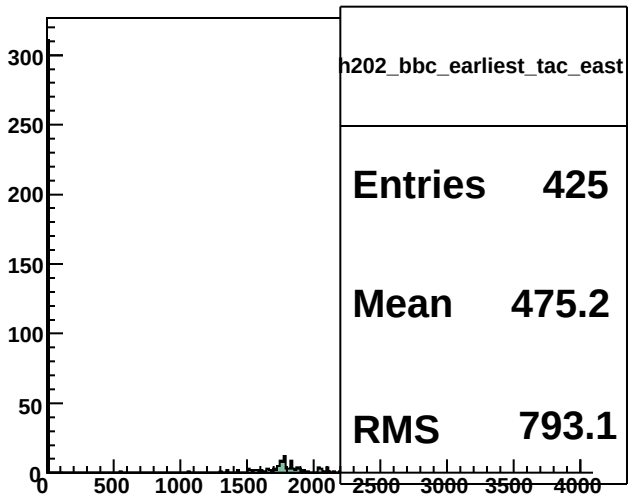

h185_bbcw_tdc_12
Entries 425
Mean 441.7
RMS 753

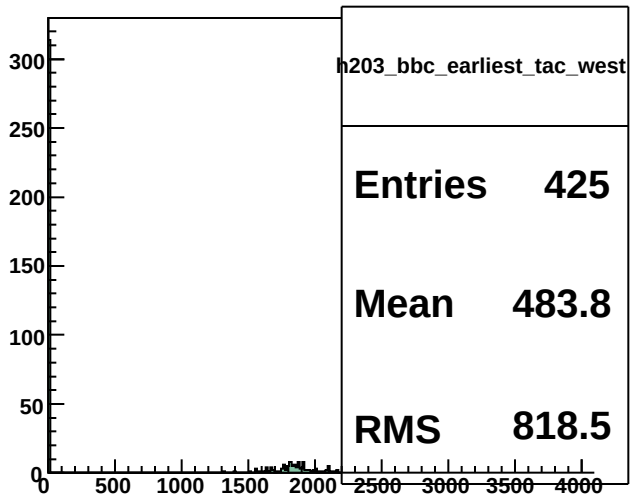

h186_bbcw_tdc_13
Entries 425
Mean 449.9
RMS 771.4

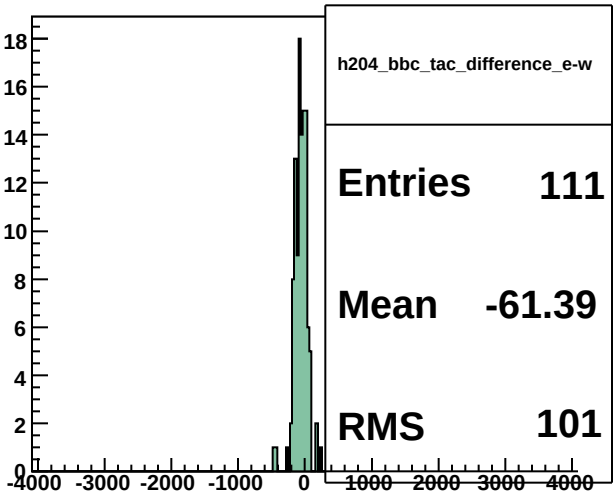

h187_bbcw_tdc_14
Entries 425
Mean 460.1
RMS 793.8

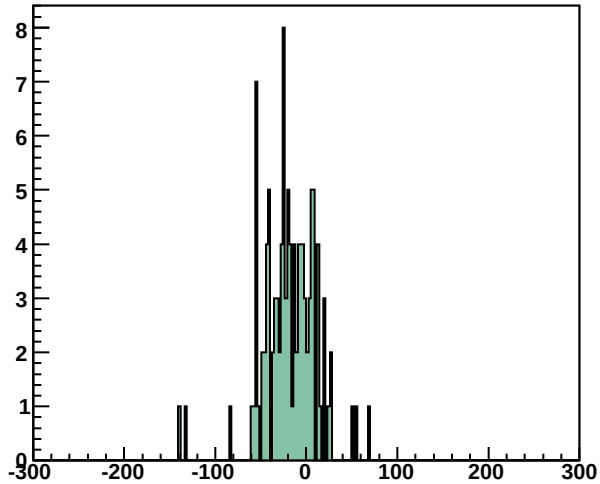

h188_bbcw_tdc_15
Entries 425
Mean 454.4
RMS 780.5

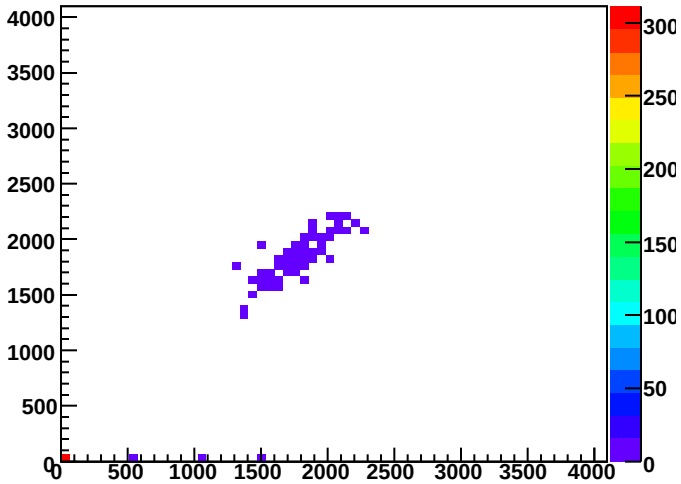

h189_bbcw_tdc_16
Entries 425
Mean 441.8
RMS 762.1

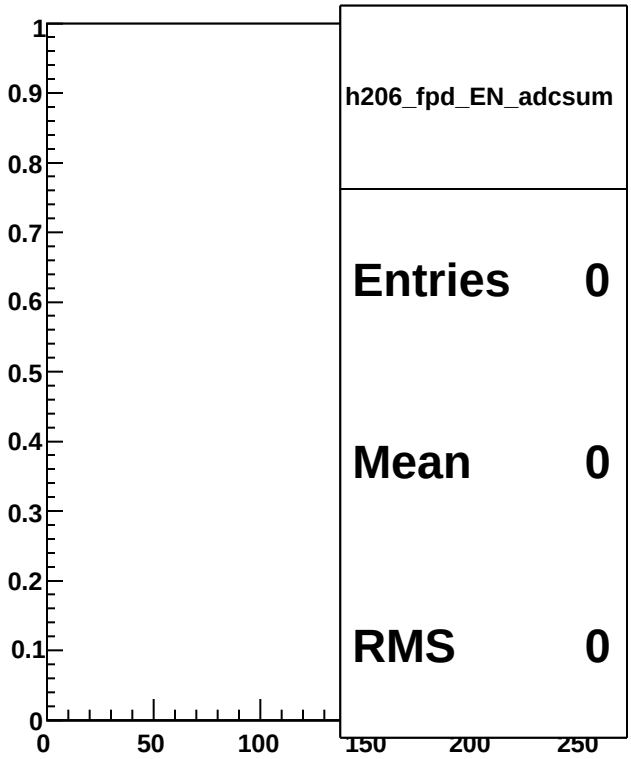

h202_bbc_earliest_tac_east
Entries 425
Mean 475.2
RMS 793.1

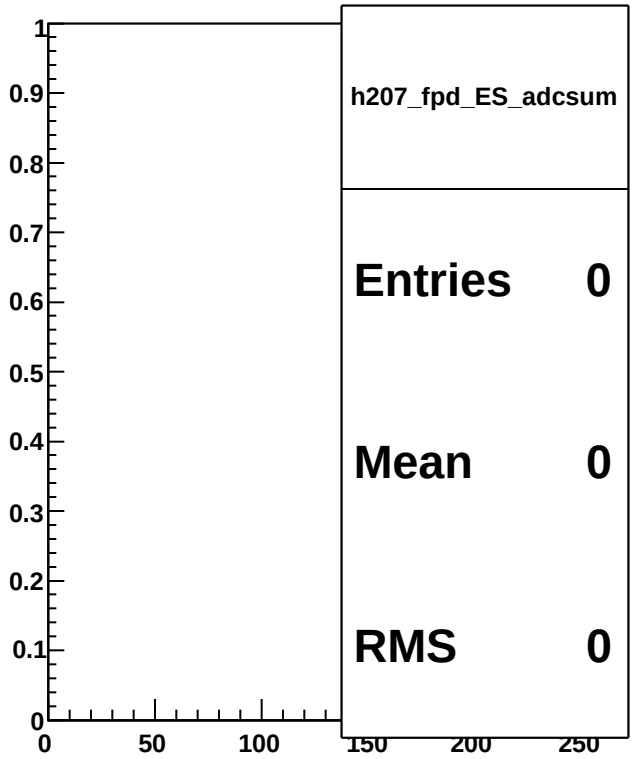

h203_bbc_earliest_tac_west
Entries 425
Mean 483.8
RMS 818.5

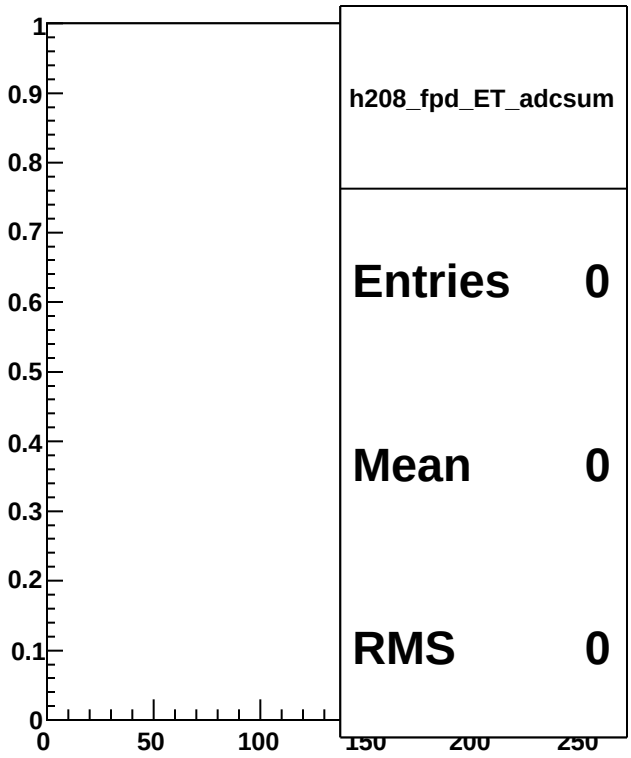

h204_bbc_tac_difference_e-w
Entries 111
Mean -61.39
RMS 101






h206_fpd_EN_adcsum
Entries 0
Mean 0
RMS 0


h207_fpd_ES_adcsum
Entries 0
Mean 0
RMS 0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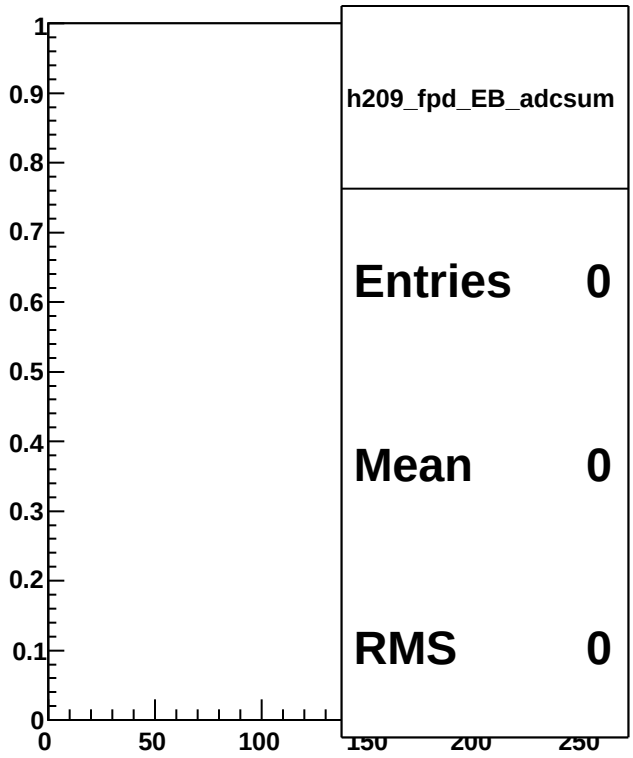
Entries 0
Mean 0
RMS 0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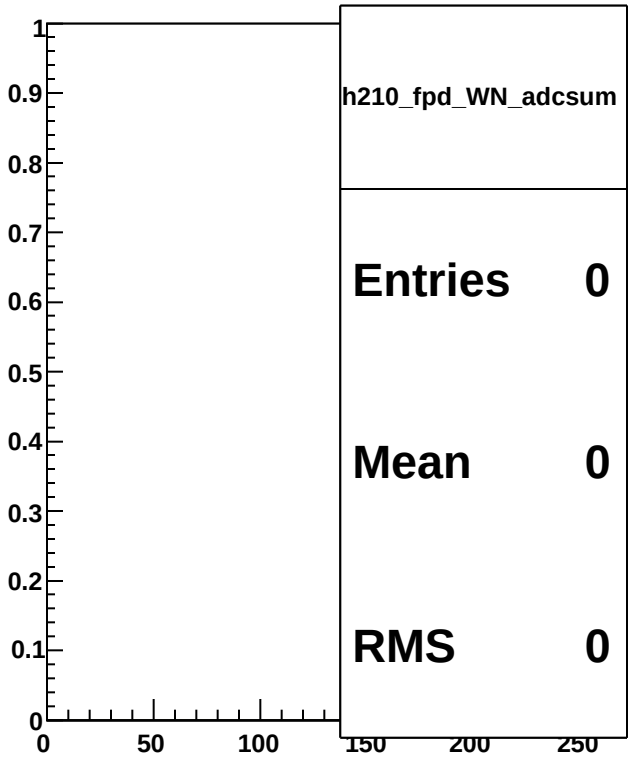
RMS 0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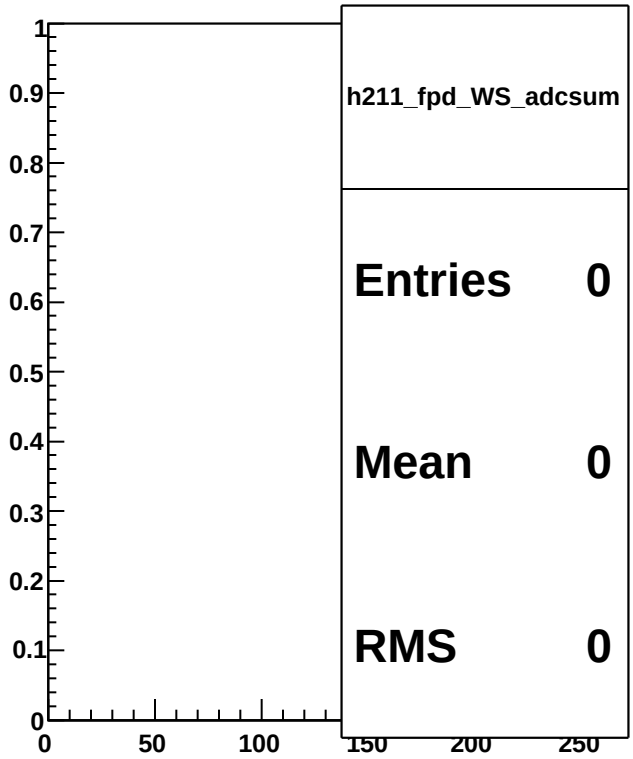
Entries 0
Mean 0
RMS 0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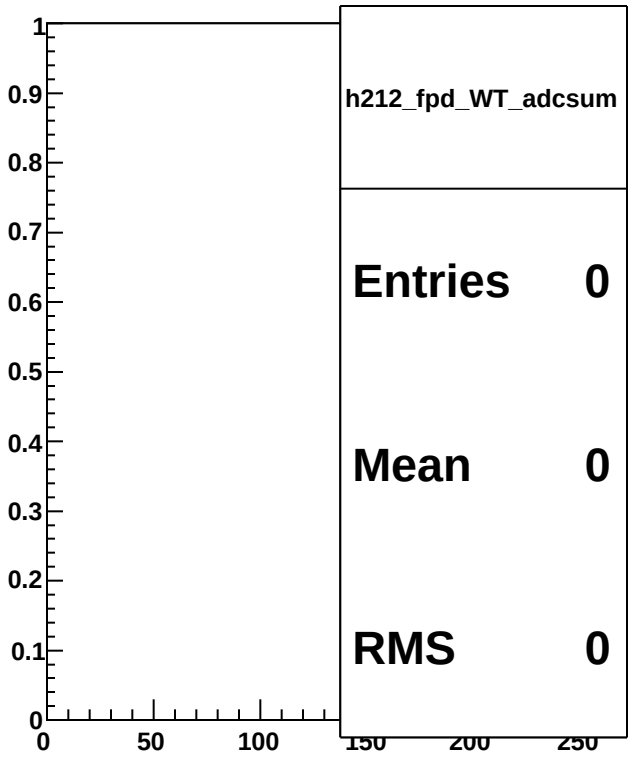
Entries 0
Mean 0
RMS 0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Entries 0
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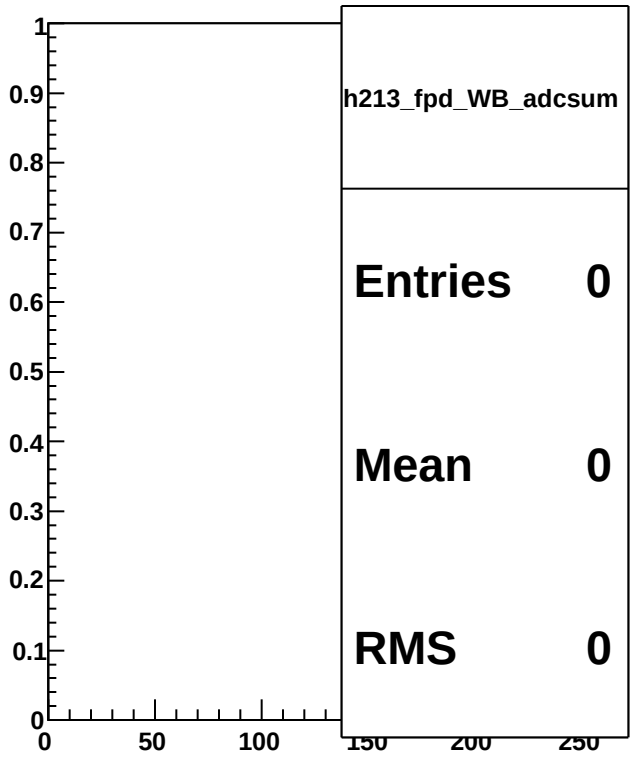
RMS 0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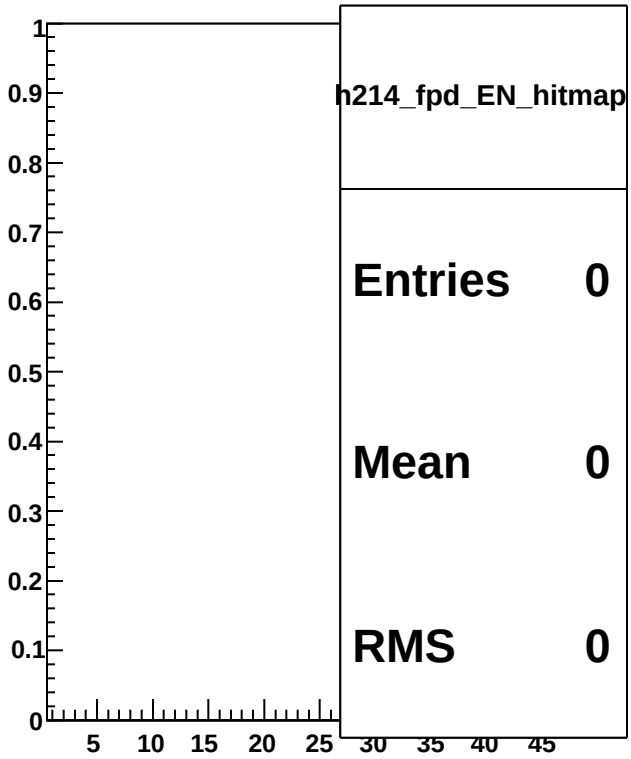
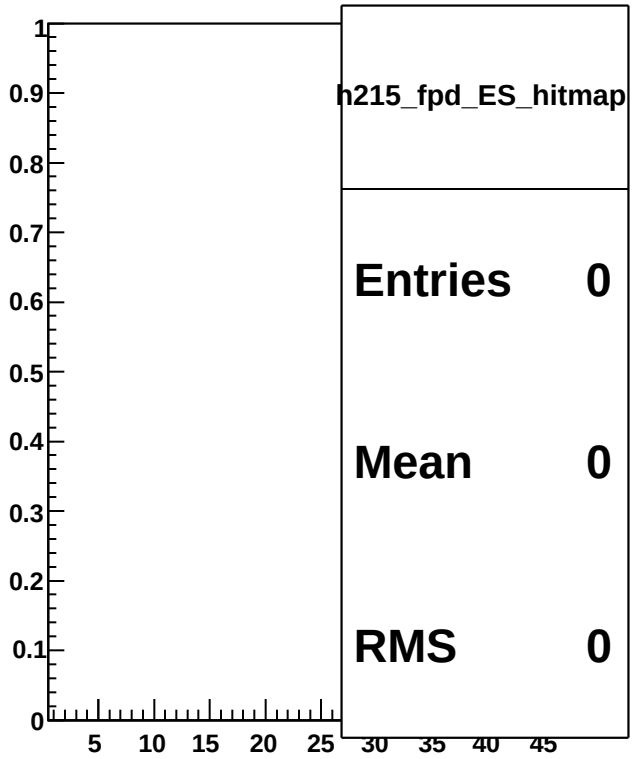
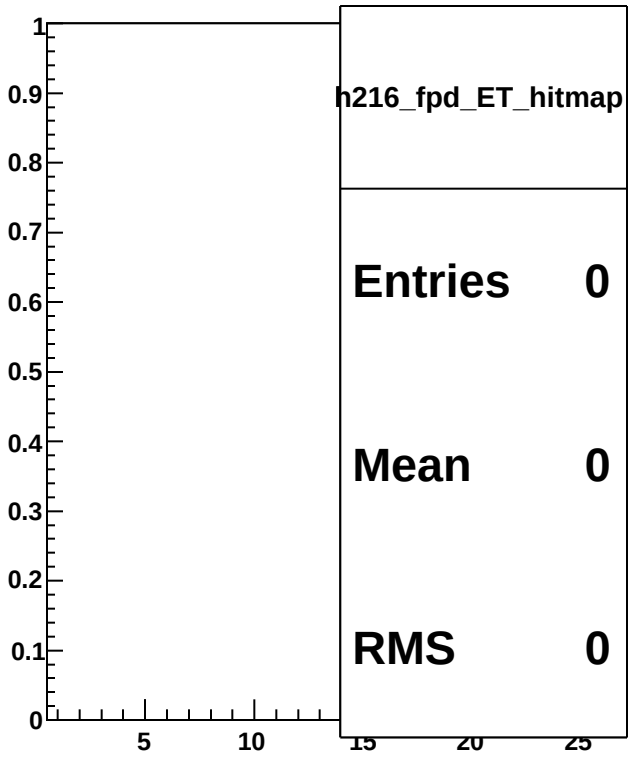
Entries 0
Mean 0
RMS 0


h214_fpd_EN_hitmap
Entries 0
Mean 0
RMS 0


h215_fpd_ES_hitmap
Entries 0
Mean 0
RMS 0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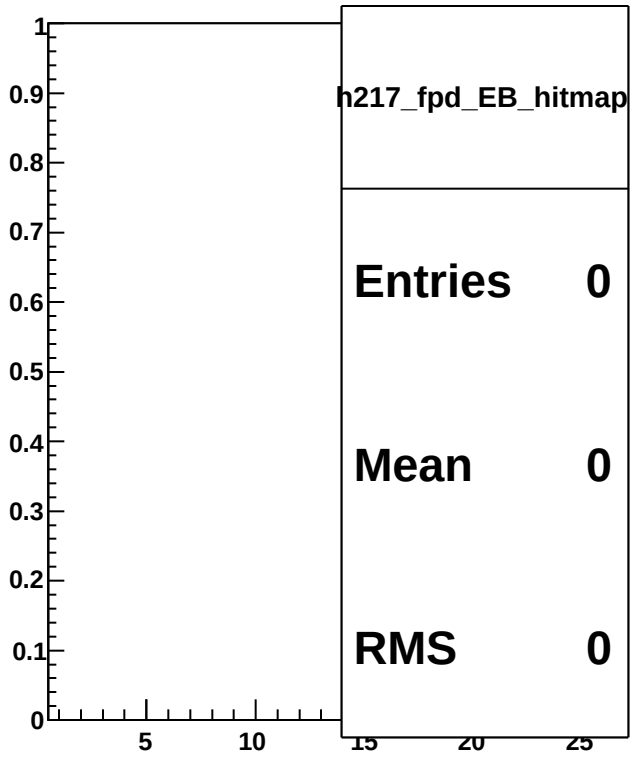
Entries 0
Mean 0
RMS 0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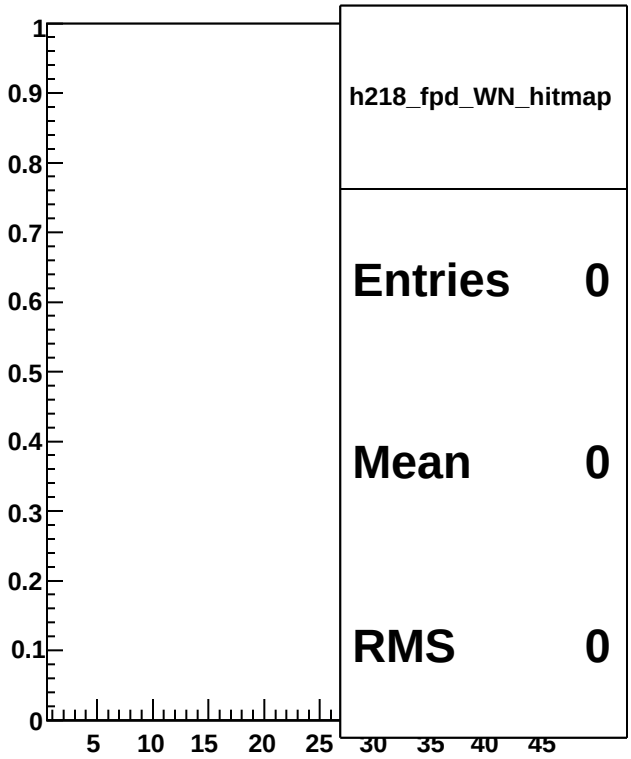
Mean 0
RMS 0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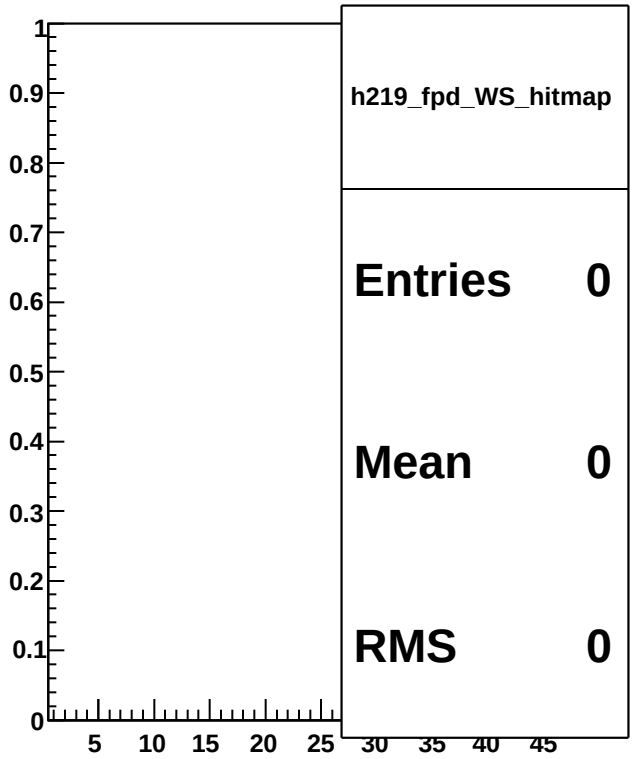
RMS 0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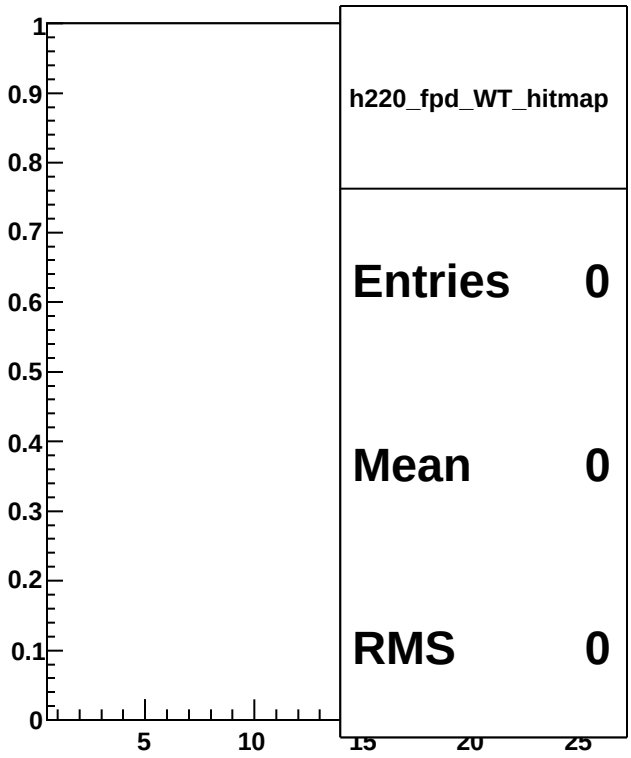
RMS 0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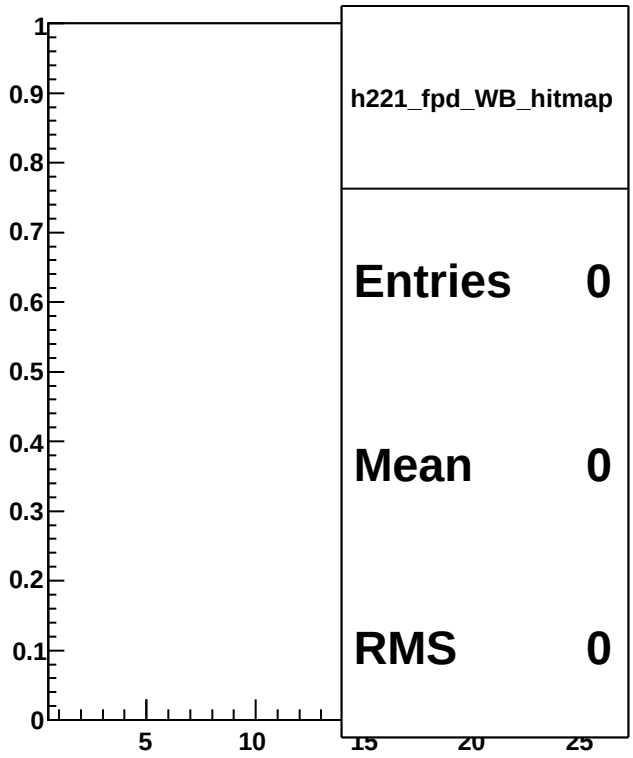
Mean 0
RMS 0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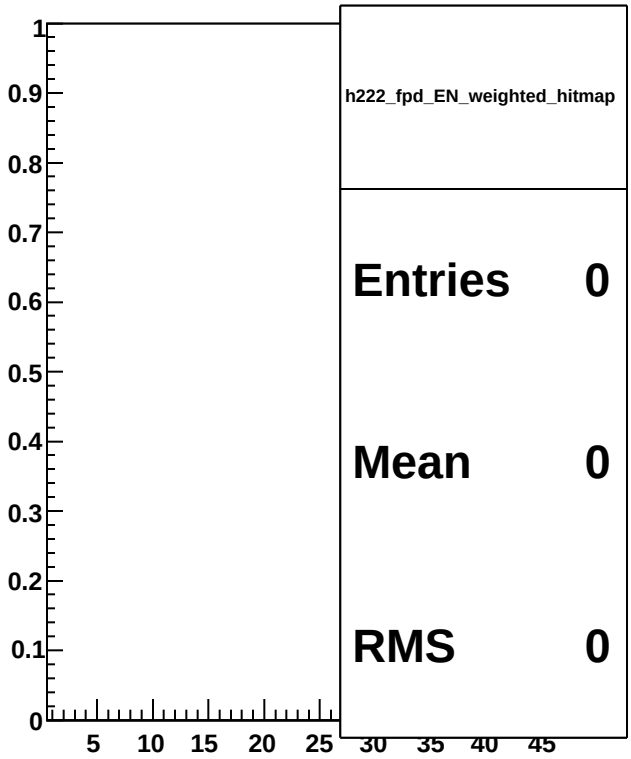
Mean 0
RMS 0


h222_fpd_EN_weighted_hitmap
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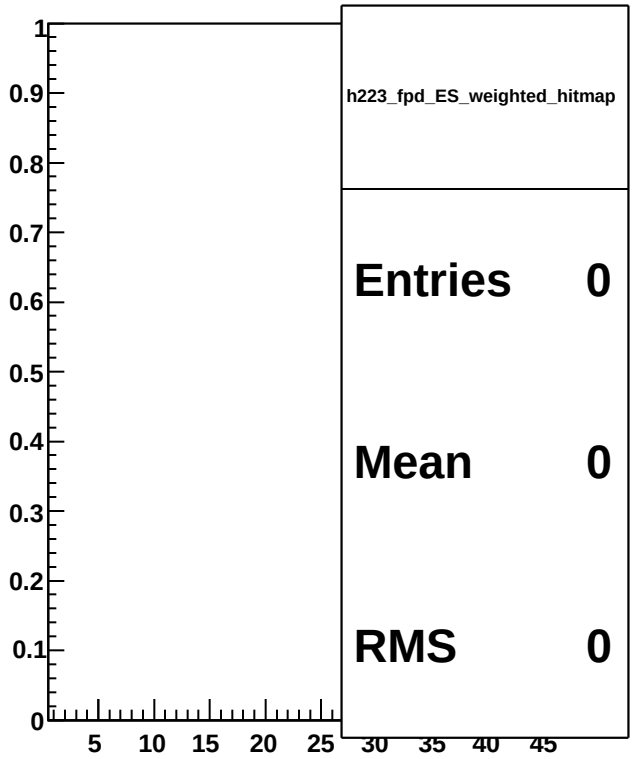
Mean 0
RMS 0


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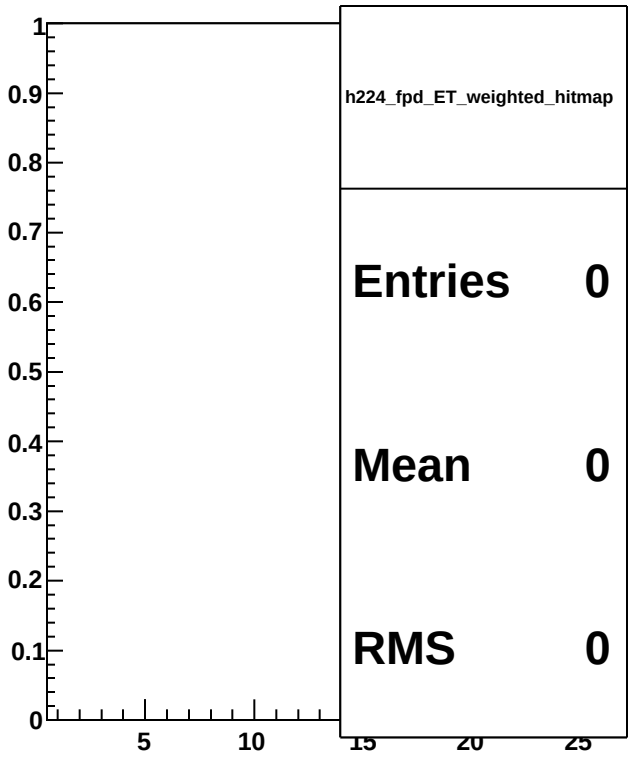
Mean 0
RMS 0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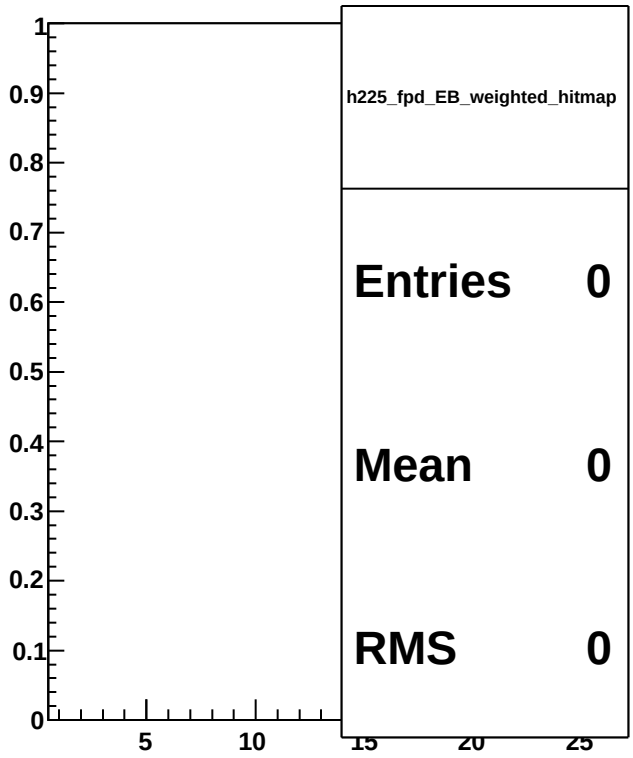
Entries 0
Mean 0
RMS 0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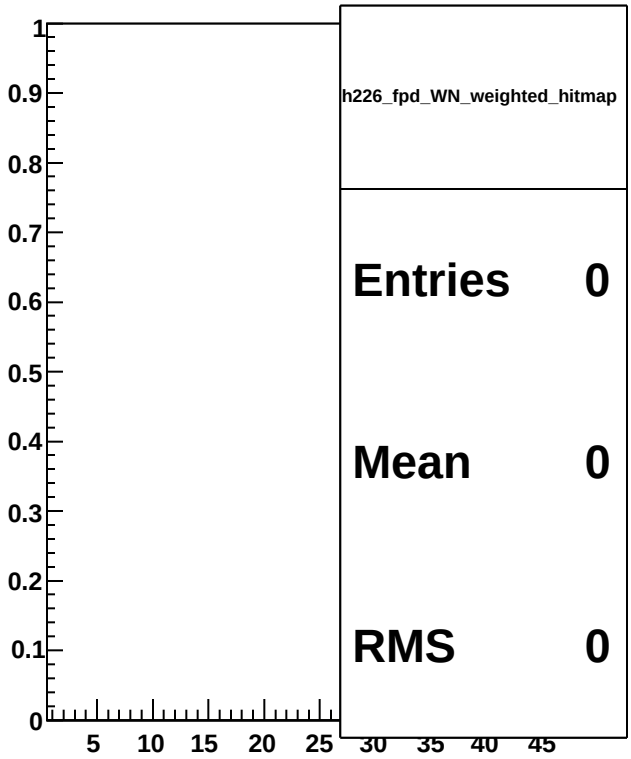
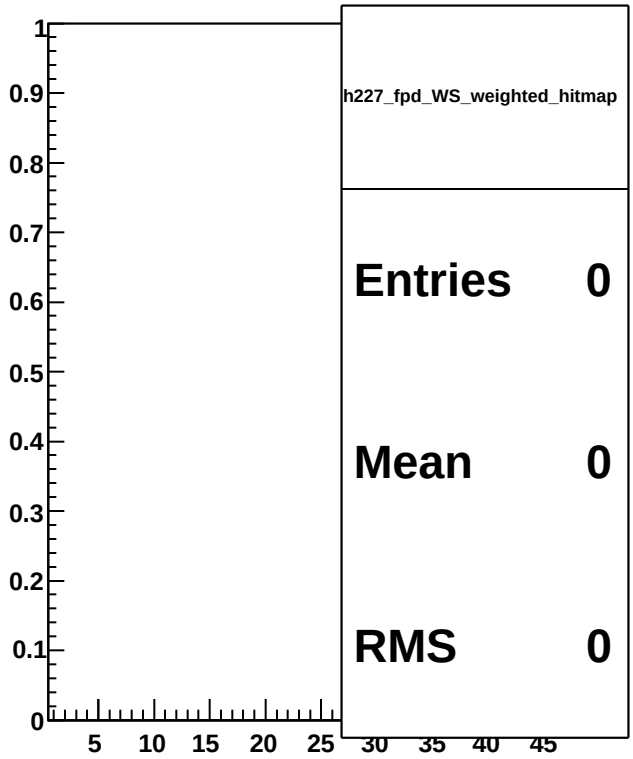
RMS 0


h226_fpd_WN_weighted_hitmap
Entries 0
Mean 0
RMS 0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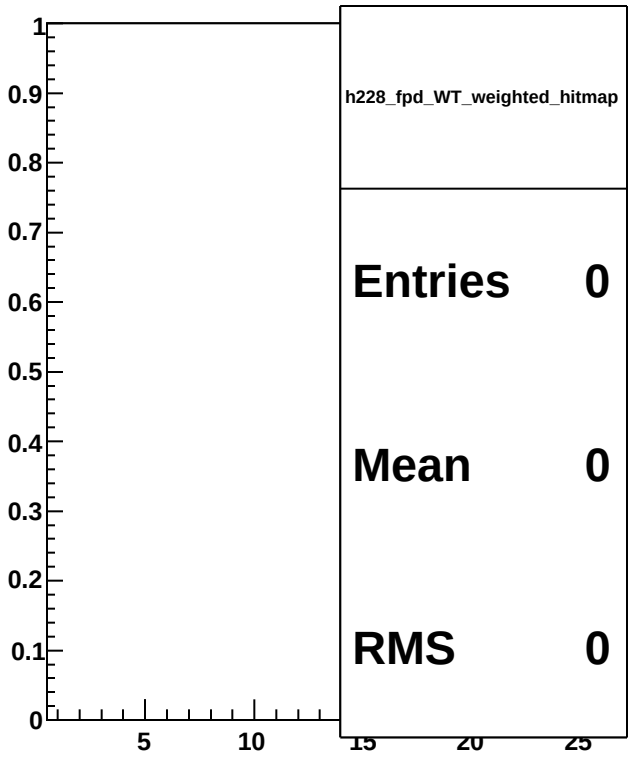
RMS 0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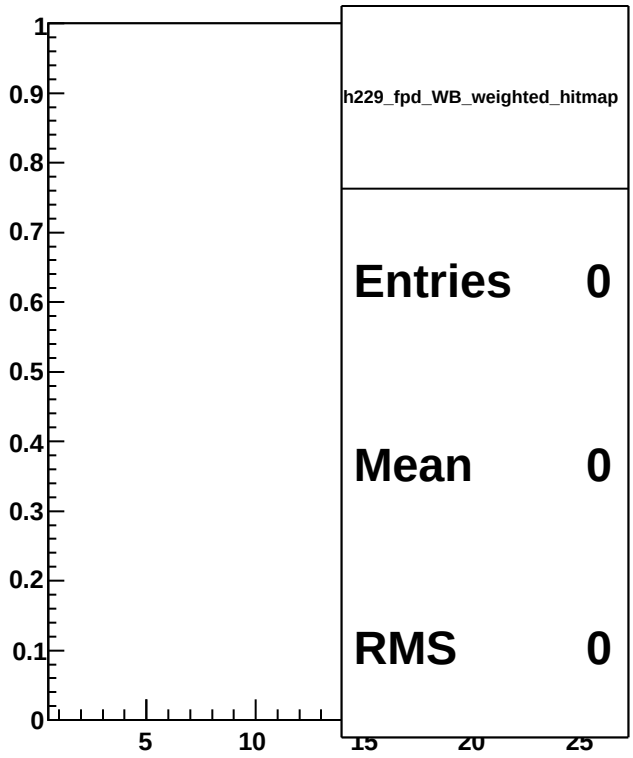
Entries 0
Mean 0
RMS 0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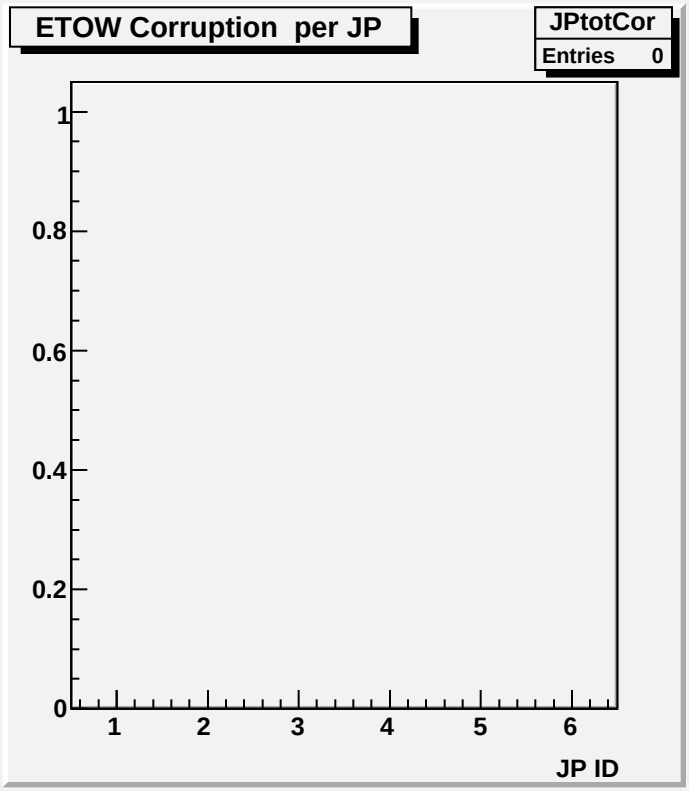
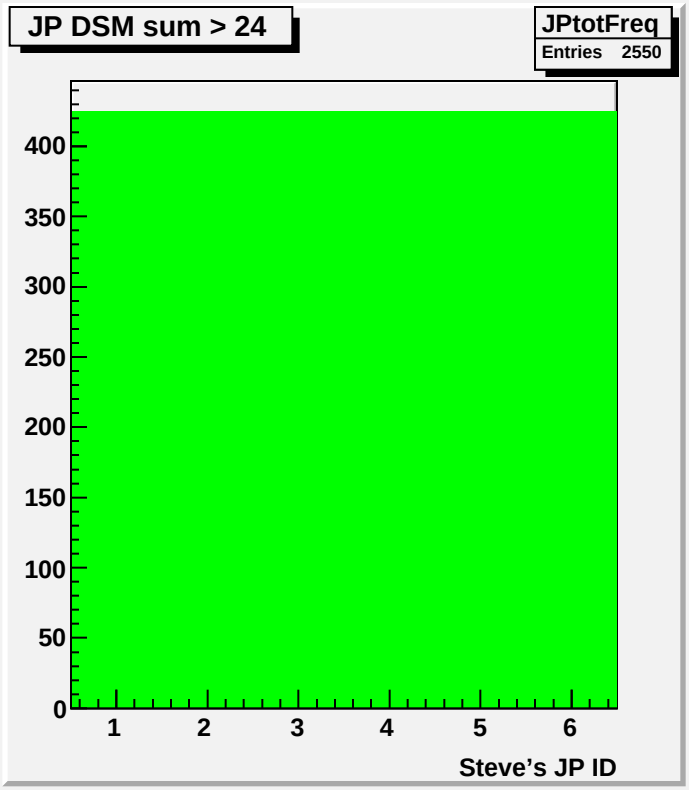
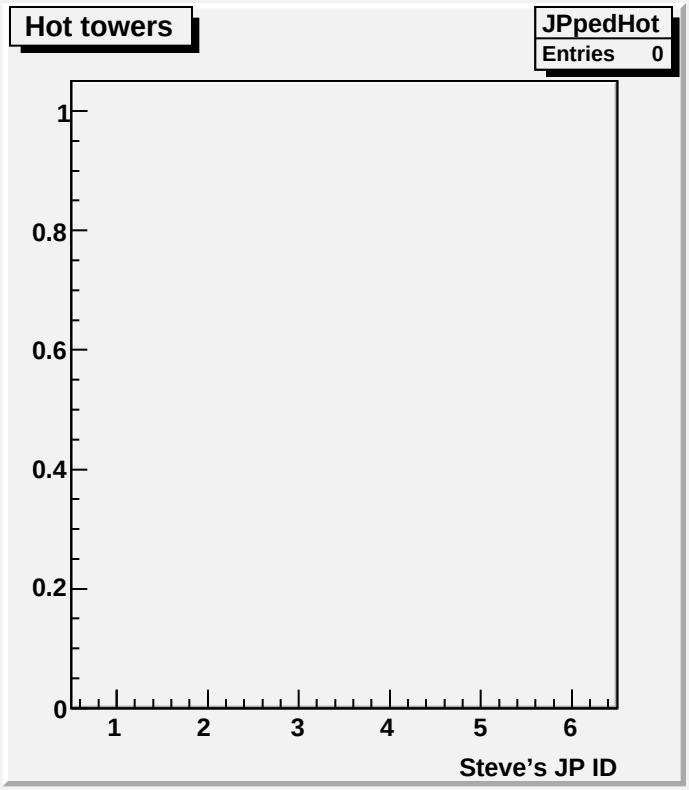
RMS 0







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

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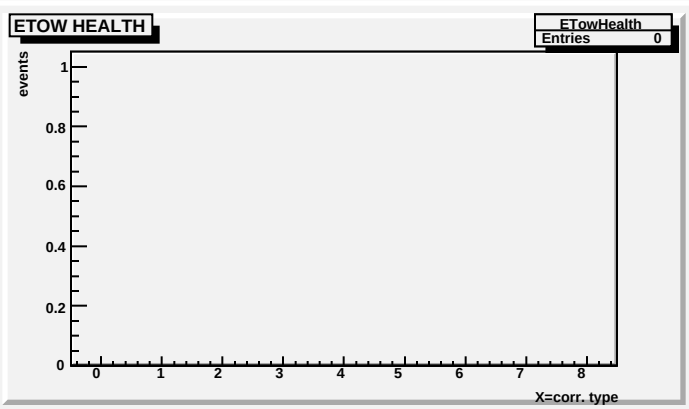
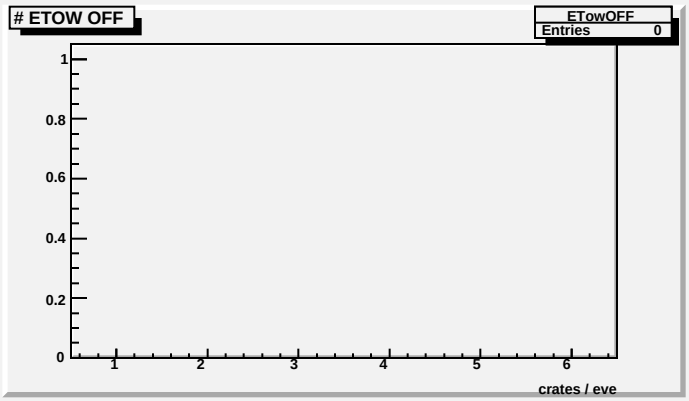
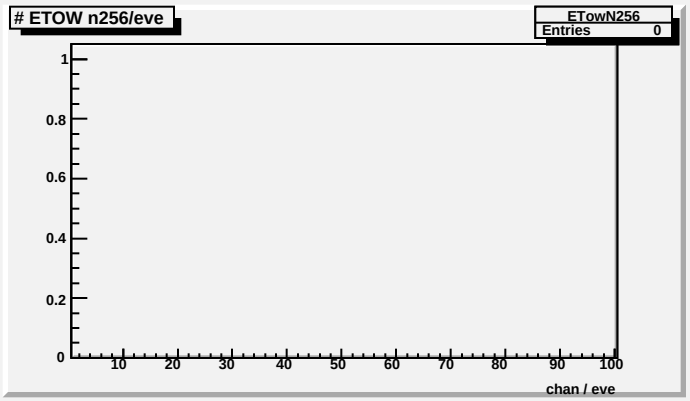
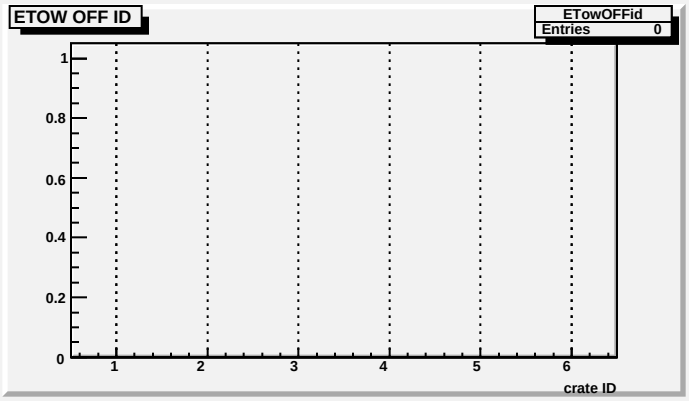
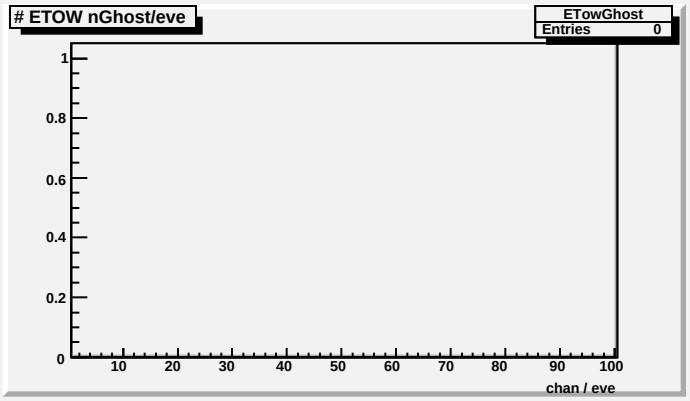

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

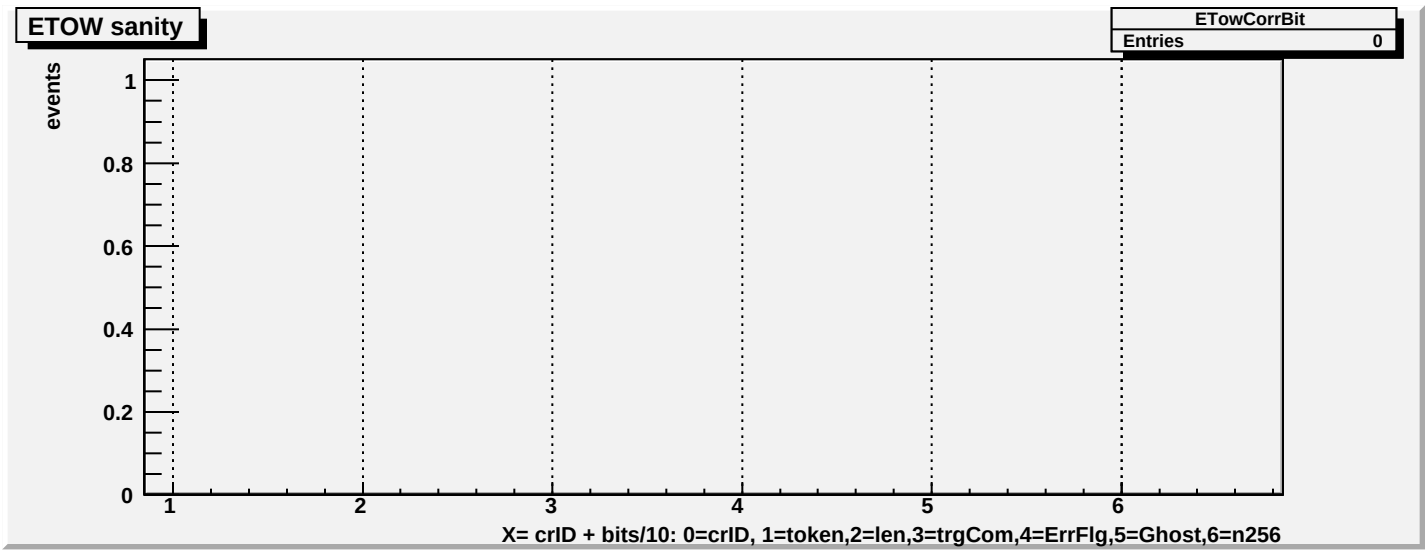
ETOW head corr
ETowHeadCorr
Entries 0
crates / eve

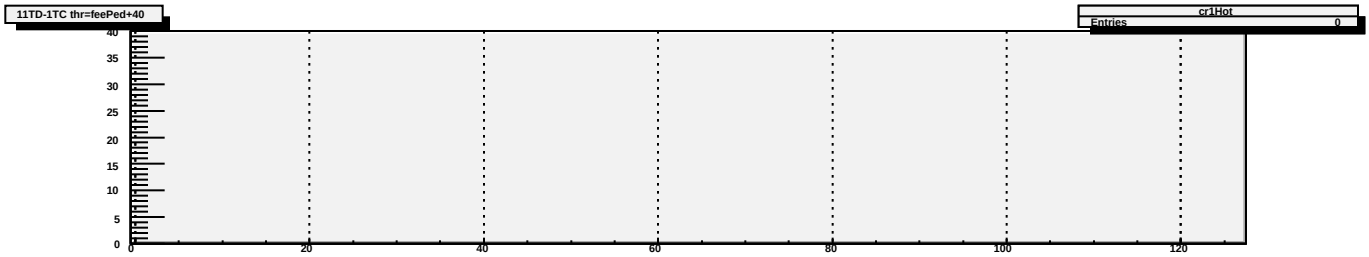

ETOW OFF
ETowOFF
Entries 0
crates / eve

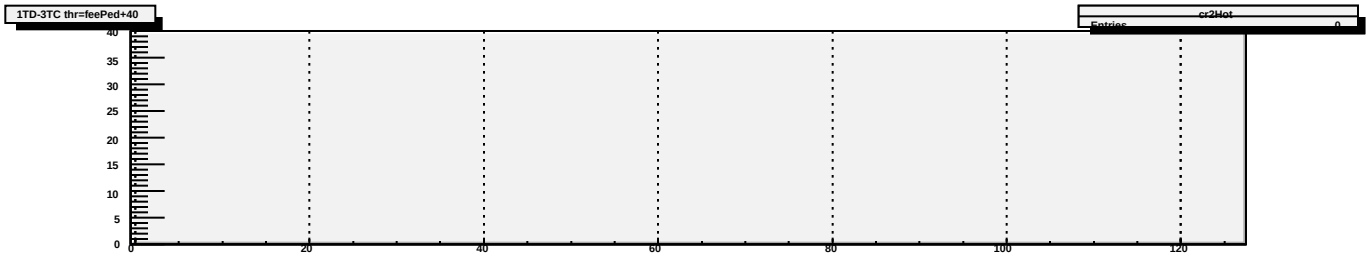

ETOW n256/eve
ETowN256
Entries 0
chan / eve

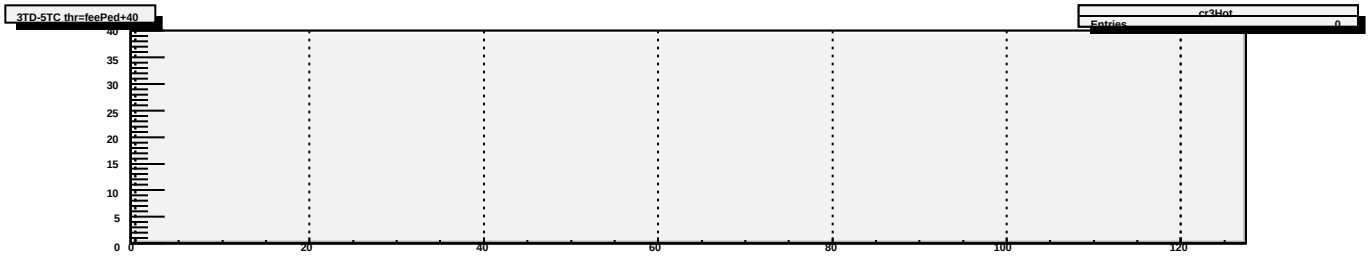

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

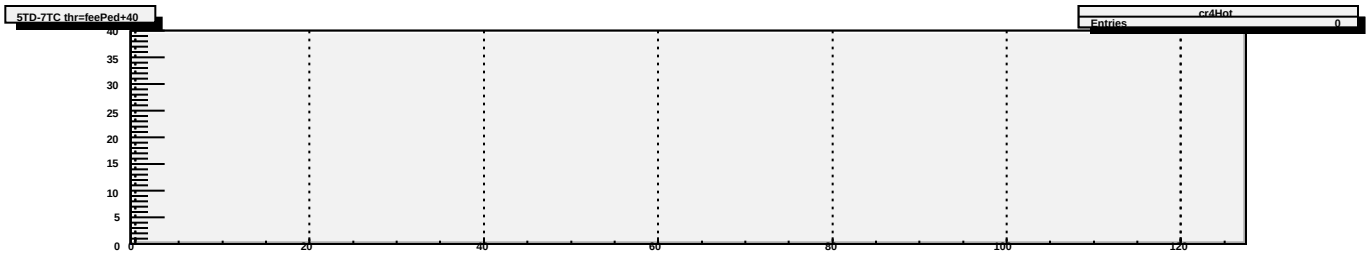

ETOW nGhost/eve
ETowGhost
Entries 0
chan / eve

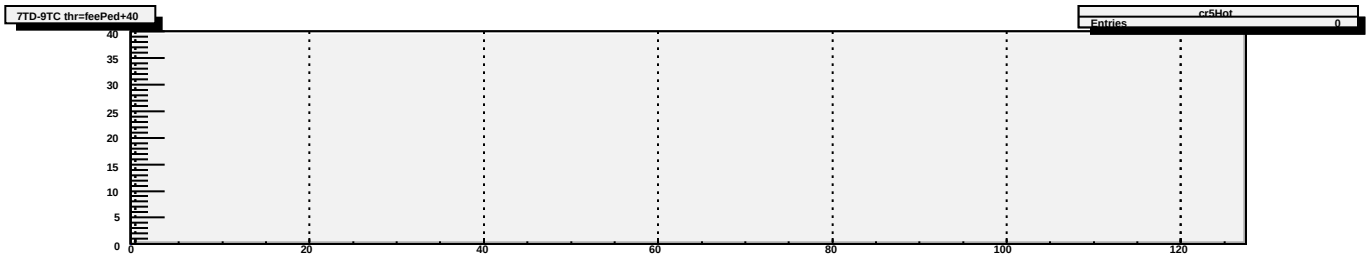

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

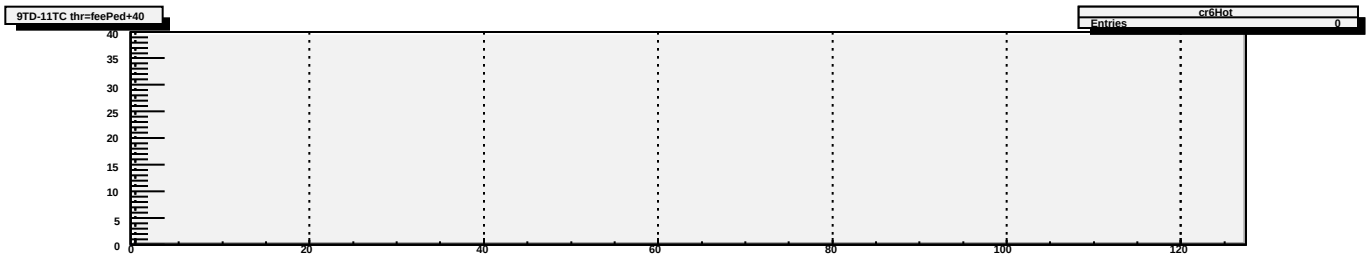

11TD-1TC thr=feePed+40
cr1Hot
Entries 0

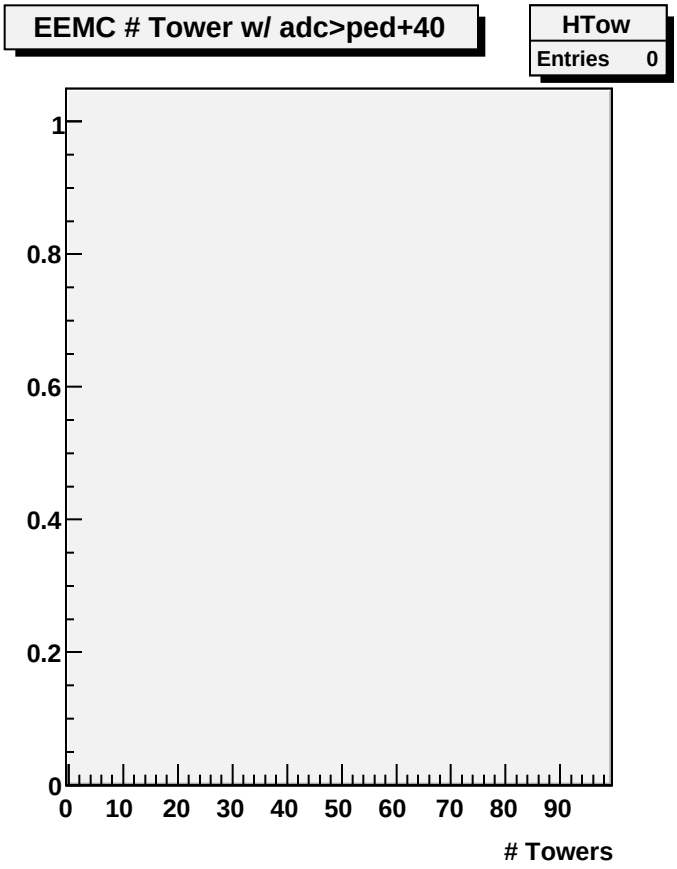

1TD-3TC thr=feePed+40
cr2Hot
Entries 0

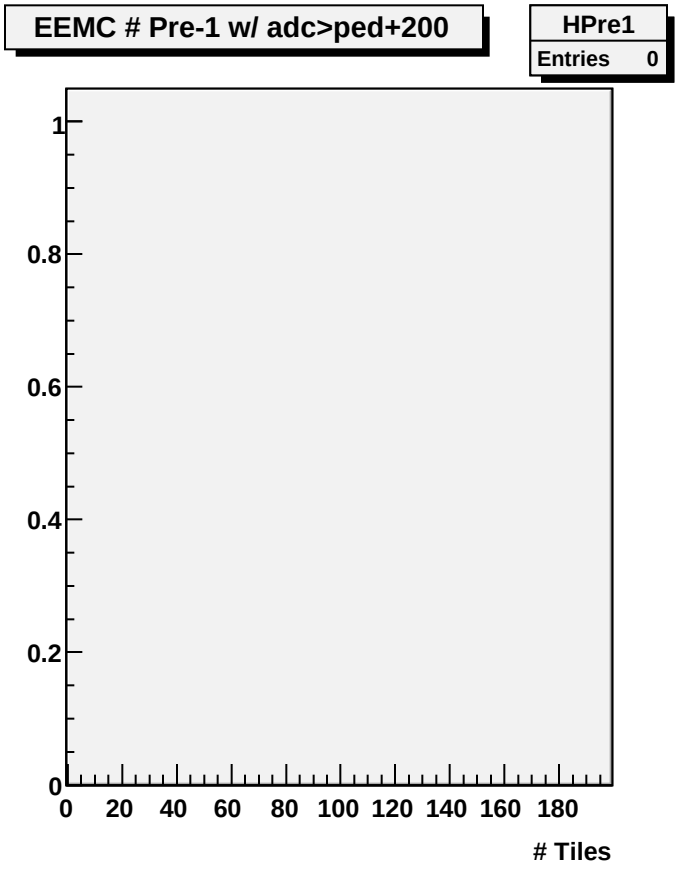

3TD-5TC thr=feePed+40
cr3Hot
Entries 0

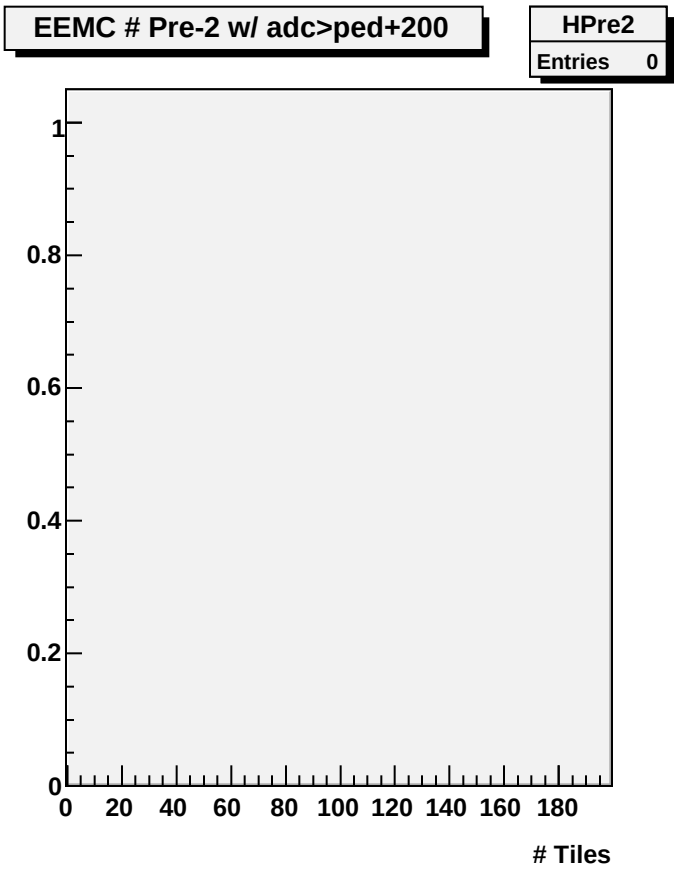

5TD-7TC thr=feePed+40
cr4Hot
Entries 0

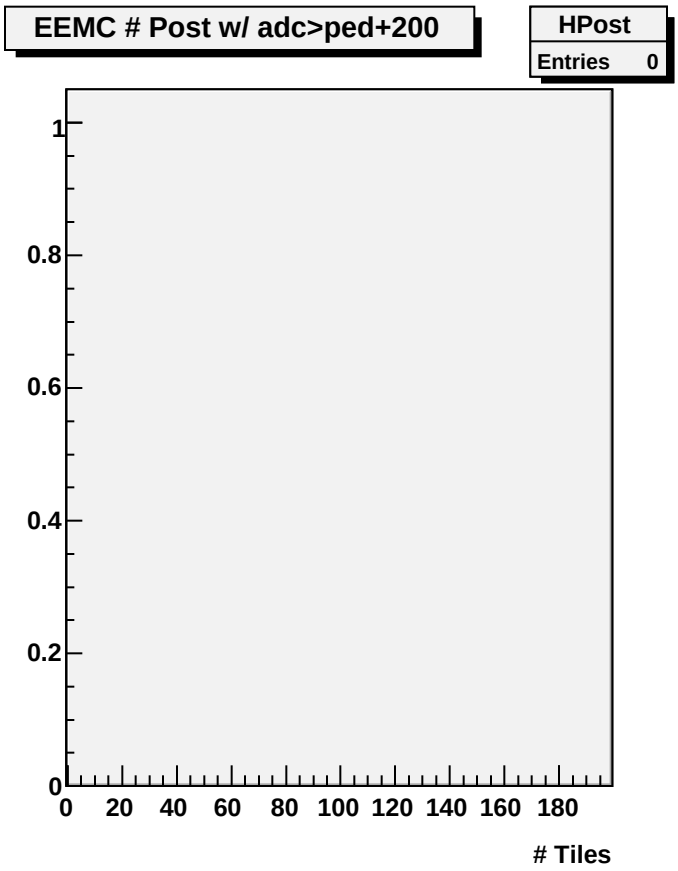

7TD-9TC thr=feePed+40
cr5Hot
Entries 0

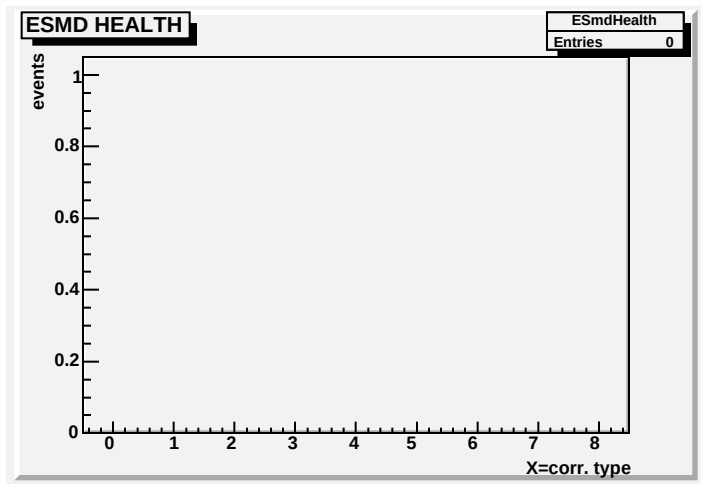

9TD-11TC thr=feePed+40
cr6Hot
Entries 0

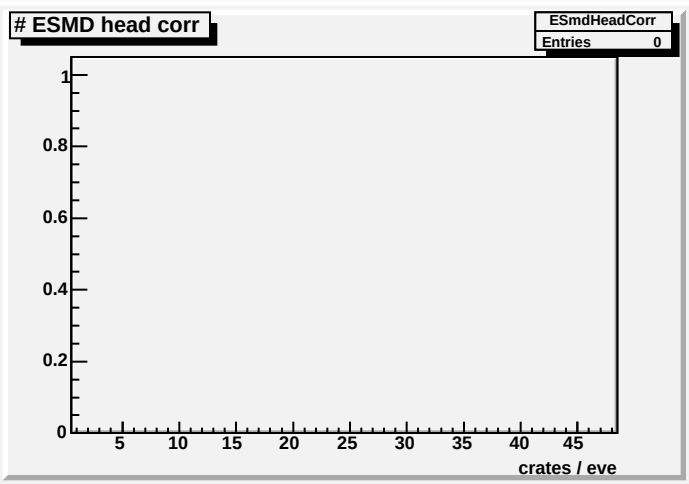

EEMC # Tower w/ adc>ped+40
HTow
Entries 0
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90
Towers

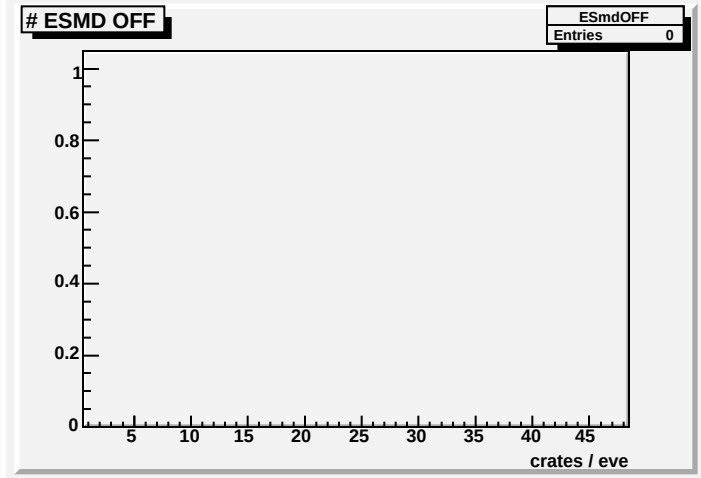

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
Tiles

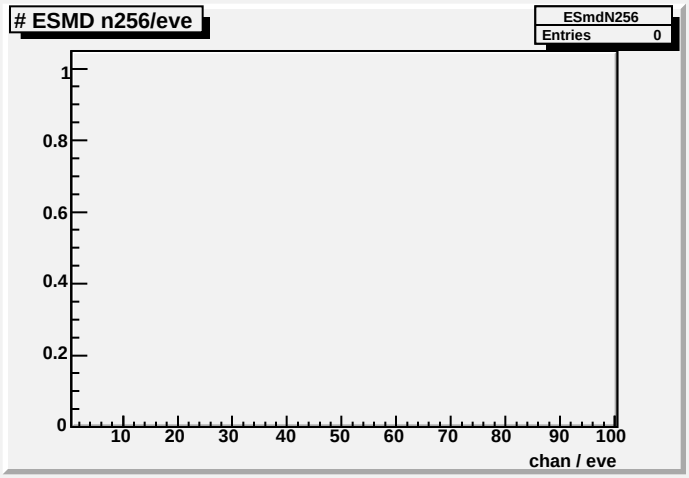

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
Tiles

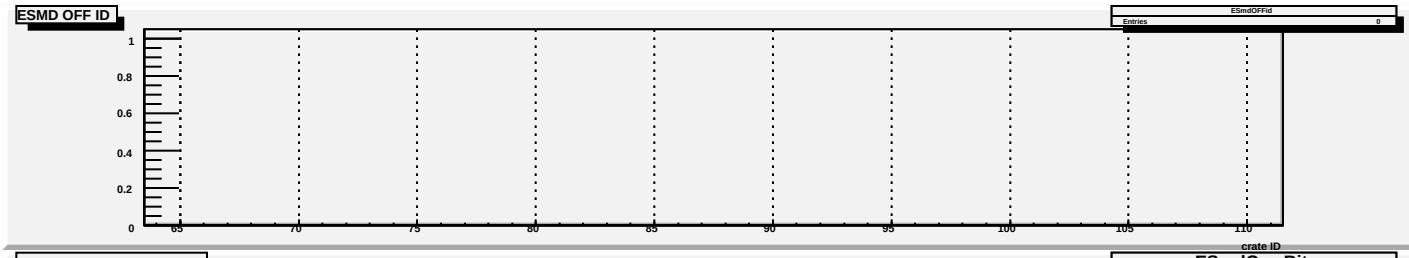

EEMC # Post w/ adc>ped+200
HPost
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
Tiles

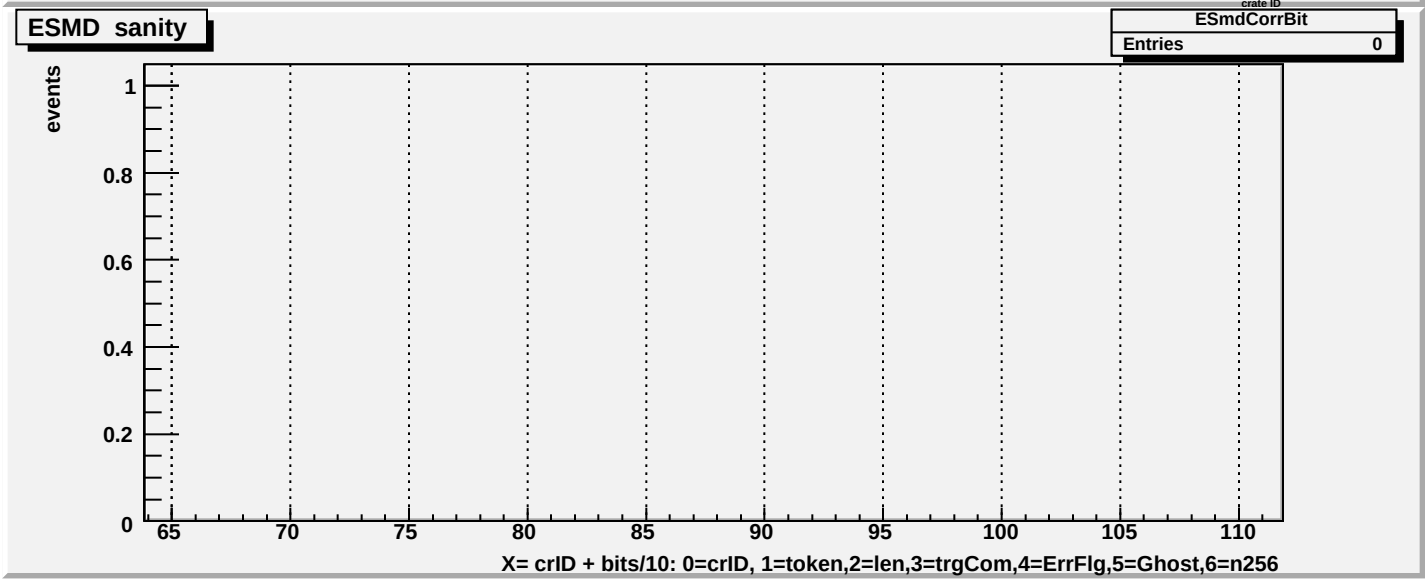

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

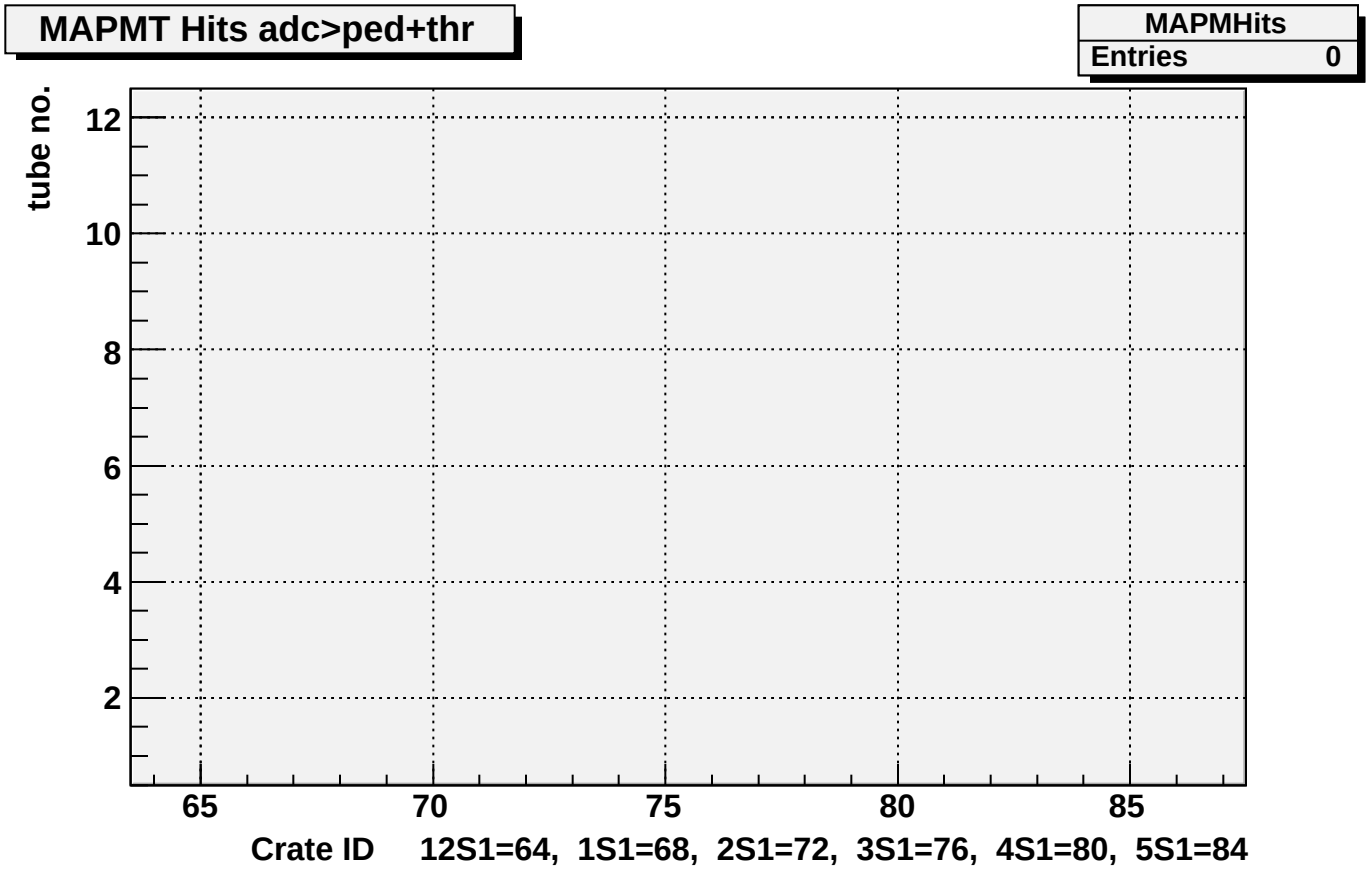

ESMD head corr
ESmdHeadCorr
Entries 0
crates / eve

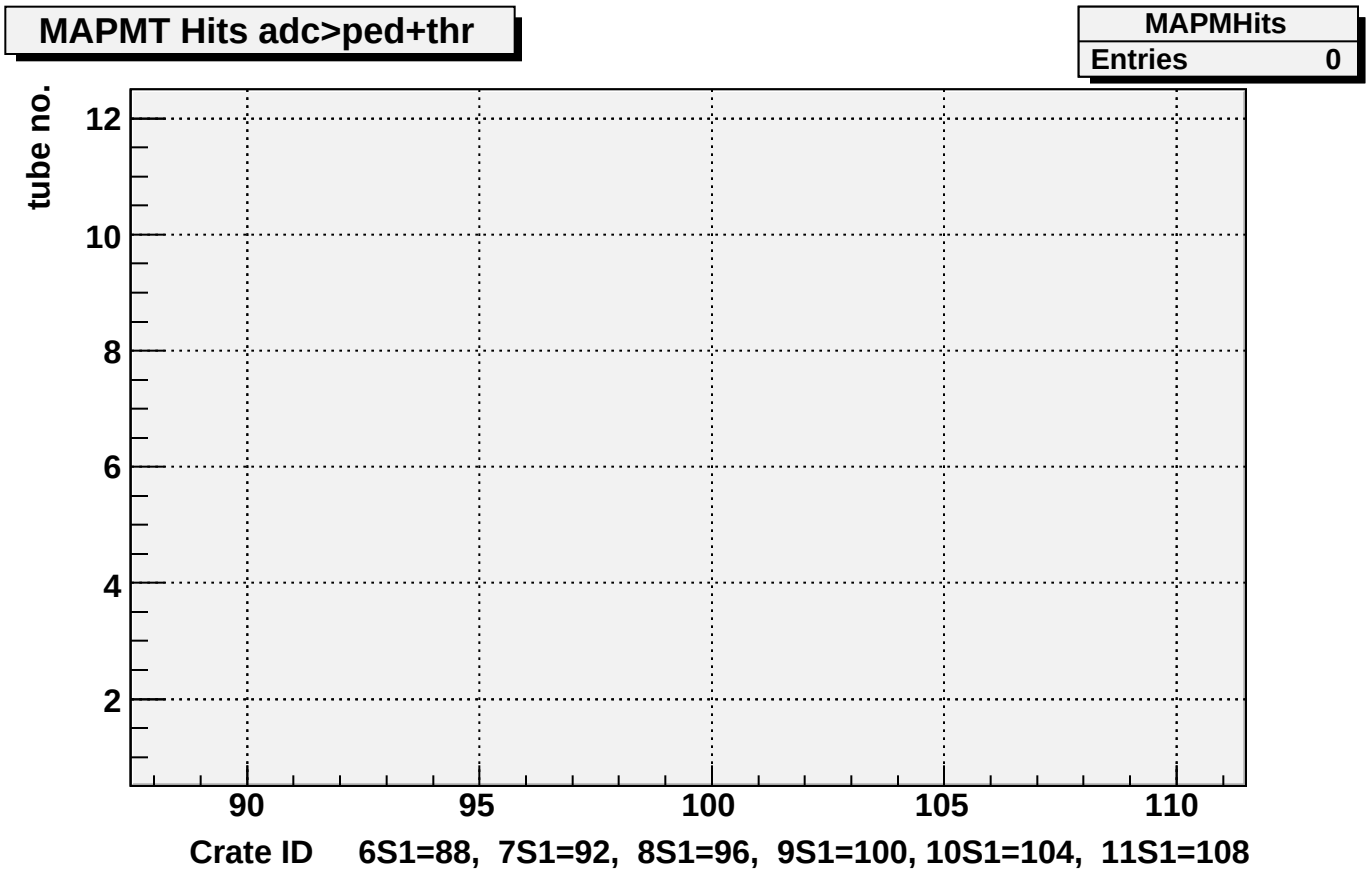

ESMD OFF
ESmdOFF
Entries 0
crates / eve

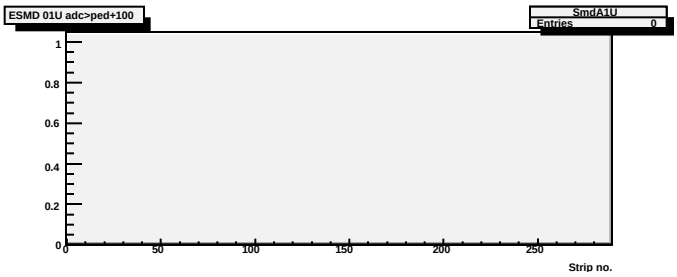

ESMD n256/eve
ESmdN256
Entries 0
chan / eve

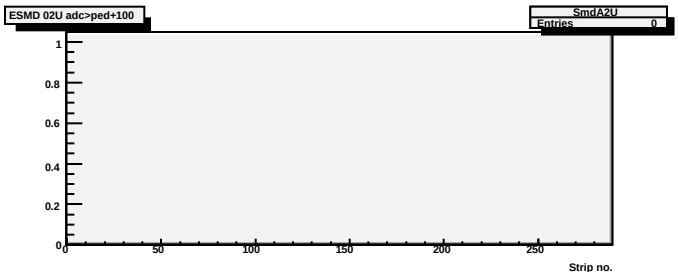

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

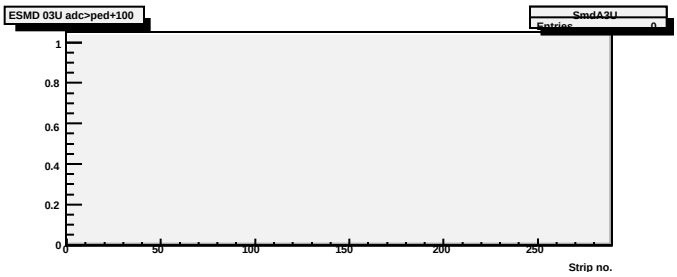

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

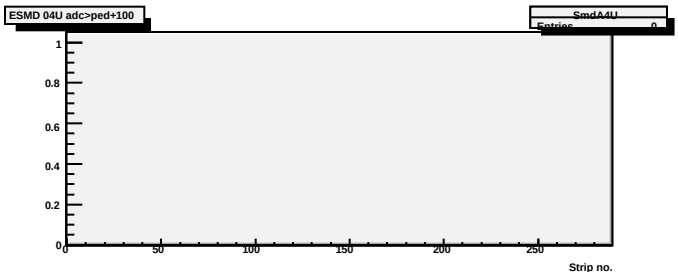

MAPMT Hits adc>ped+thr
MAPMHits
Entries 0
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84

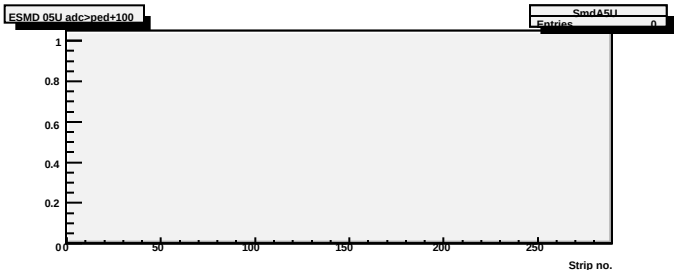

MAPMT Hits adc>ped+thr
MAPMHits
Entries 0
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108


ESMD 01U adc>ped+100
SmdA1U
Entries 0
Strip no.


ESMD 02U adc>ped+100
SmdA2U
Entries 0
Strip no.


ESMD 03U adc>ped+100
SmdA3U
Entries 0
Strip no.


ESMD 04U adc>ped+100
SmdA4U
Entries 0
Strip no.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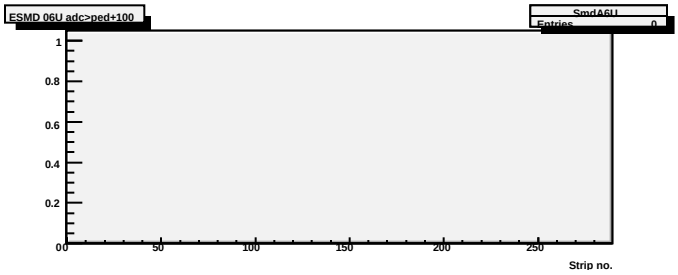
SmdA5U
Entries 0
Strip no.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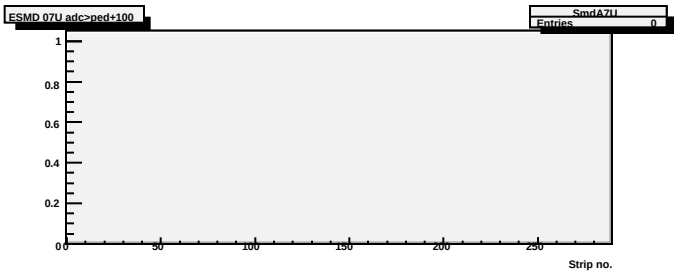
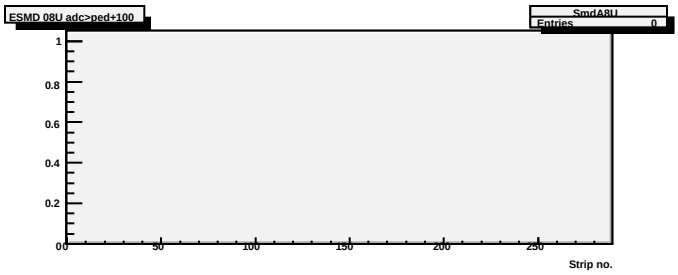
SmdA6U
Entries 0
Strip no.


ESMD 07U adc>ped+100
SmdA7U
Entries 0
Strip no.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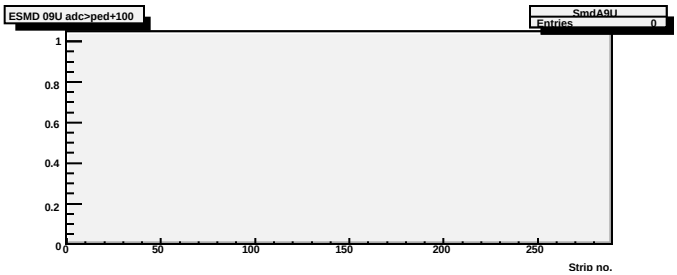
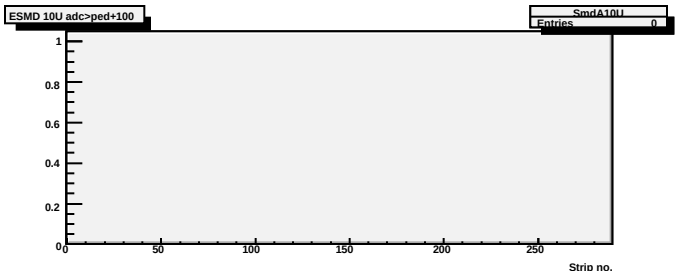
SmdA8U
Entries 0
Strip no.


ESMD 09U adc>ped+100
SmdA9U
Entries 0
Strip no.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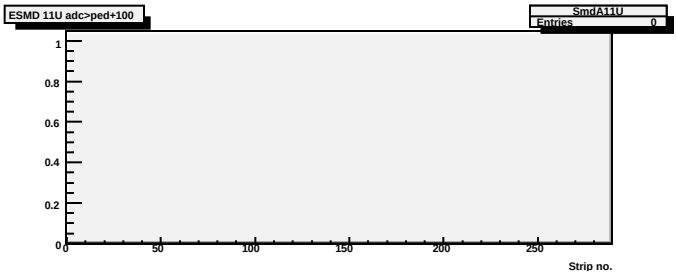
SmdA10U
Entries 0
Strip no.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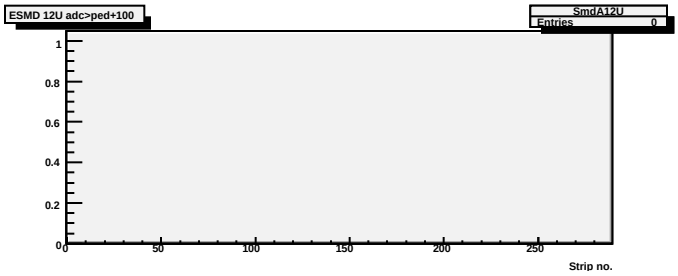
SmdA11U
Entries 0
Strip no.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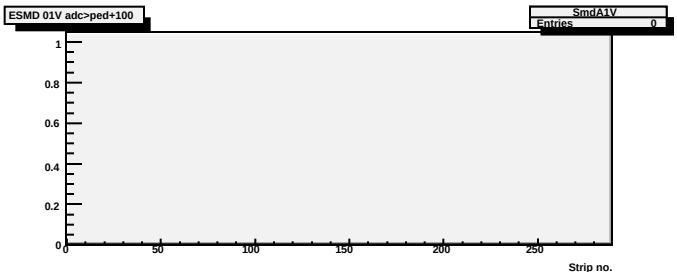
SmdA12U
Entries 0
Strip no.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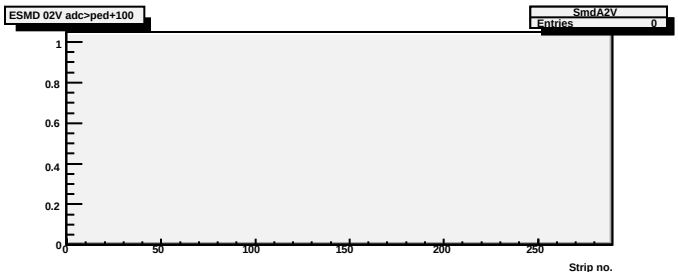
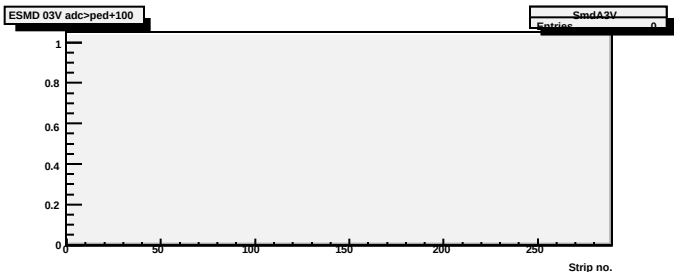
SmdA1V
Entries 0
Strip no.


ESMD 02V adc>ped+100
SmdA2V
Entries 0
Strip no.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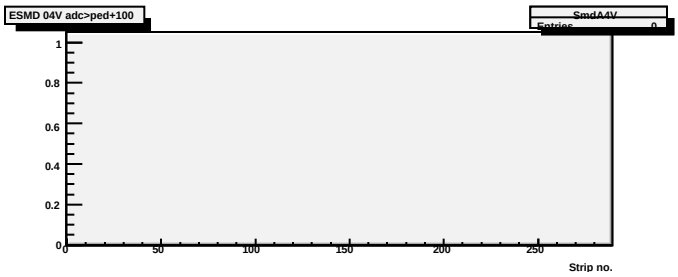
SmdA3V
Entries 0
Strip no.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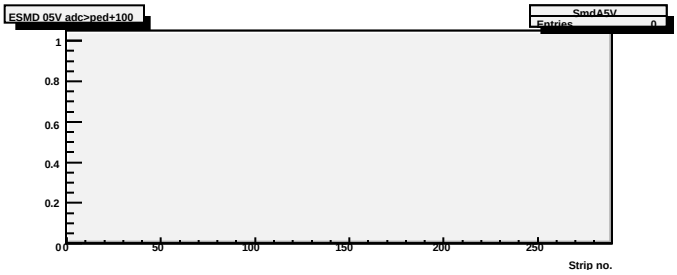
SmdA4V
Entries 0
Strip no.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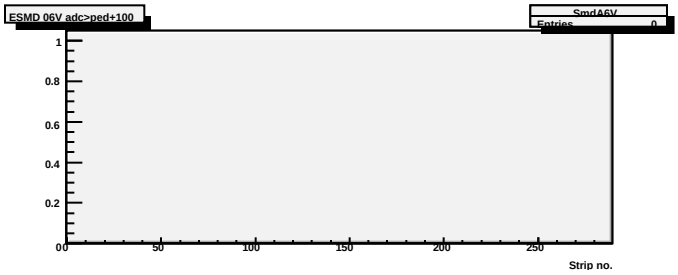
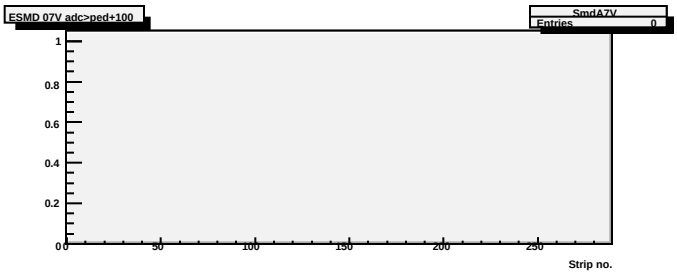
SmdA5V
Entries 0
Strip no.


ESMD 06V adc>ped+100
SmdA6V
Entries 0
Strip no.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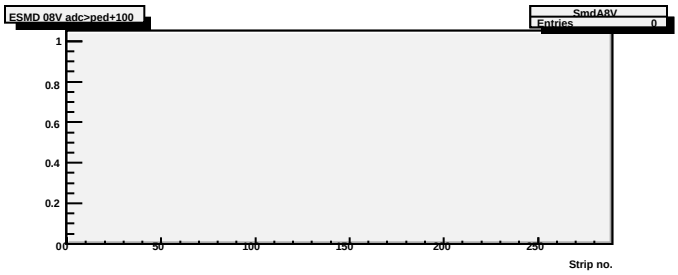
SmdA7V
Entries 0
Strip no.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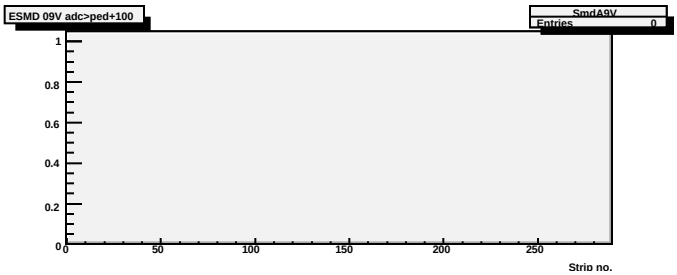
SmdA8V
Entries 0
Strip no.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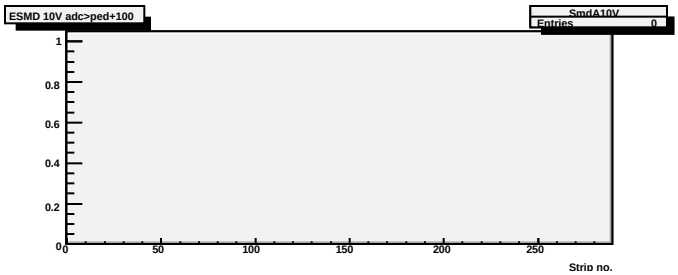
SmdA9V
Entries 0
Strip no.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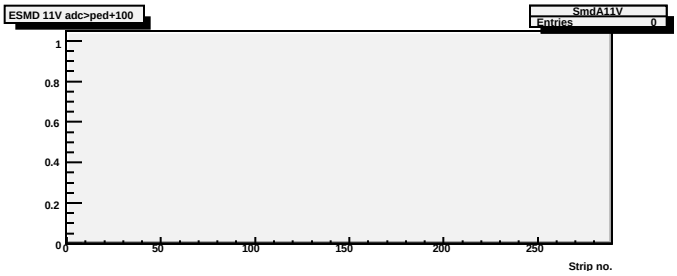
SmdA10V
Entries 0
Strip no.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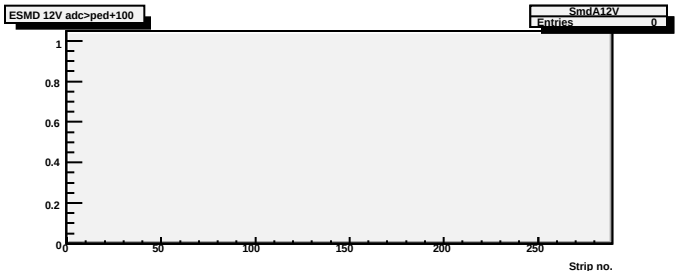
SmdA11V
Entries 0
Strip no.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SmdA12V
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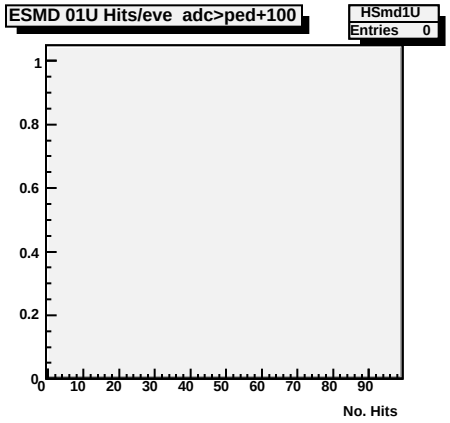
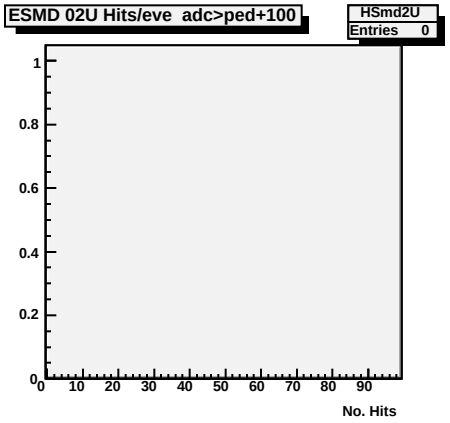
Strip no.


ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 0
No. Hits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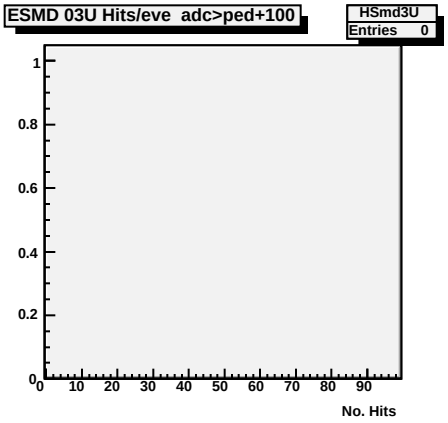
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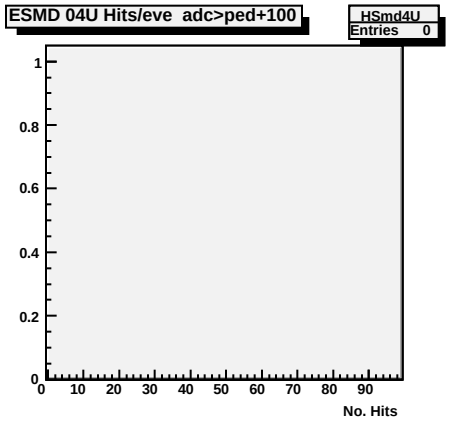
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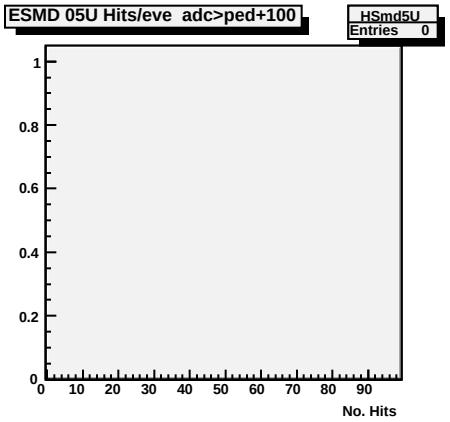
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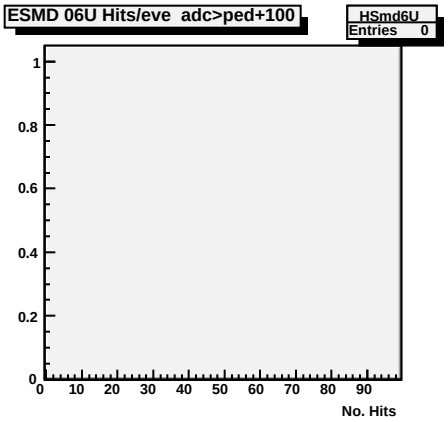
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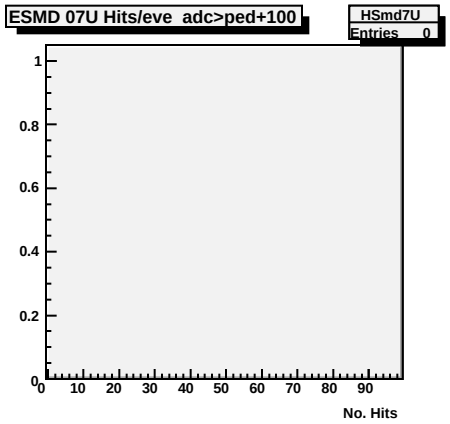
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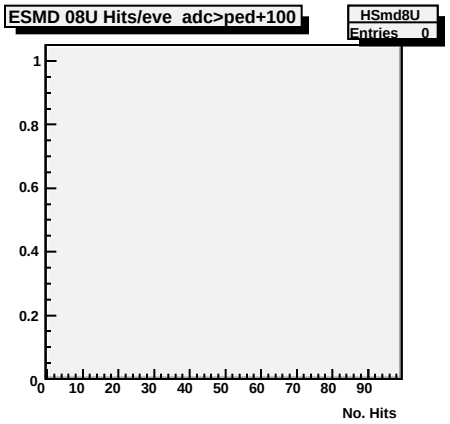
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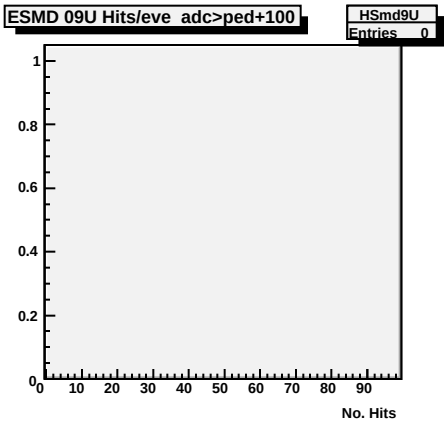
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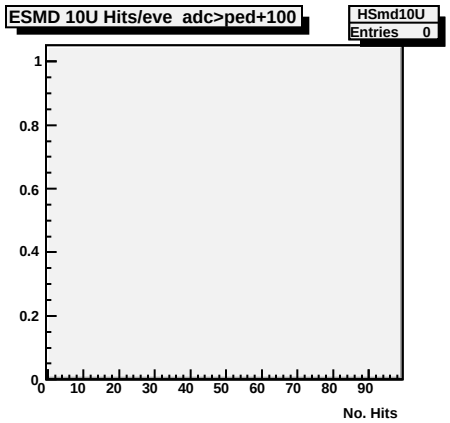
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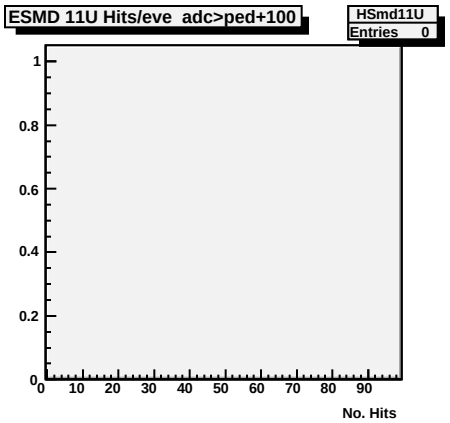
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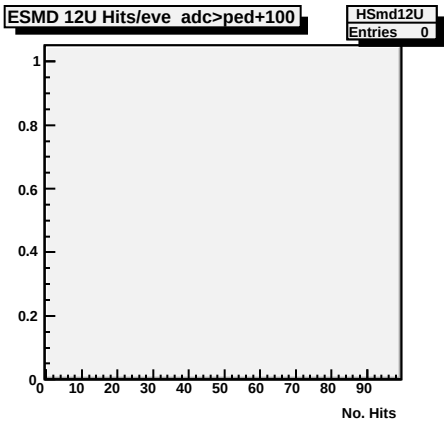
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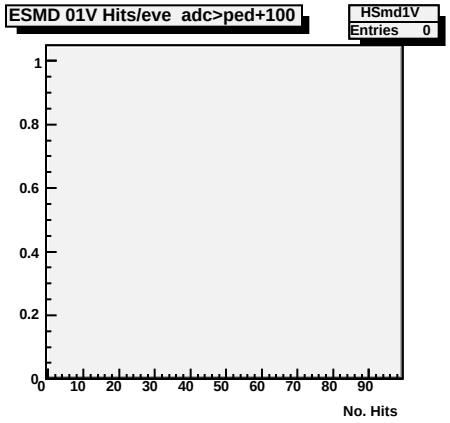
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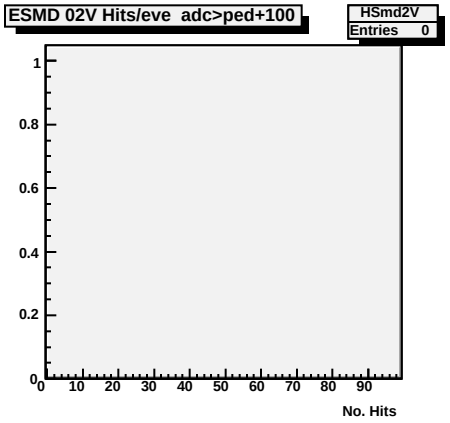
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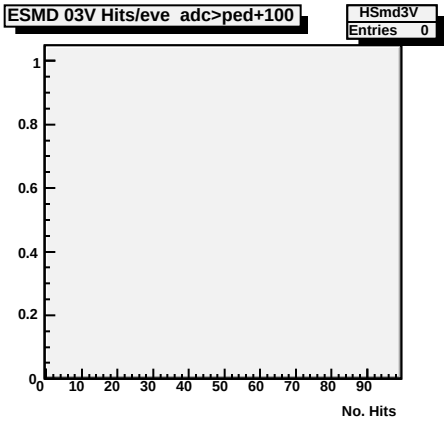
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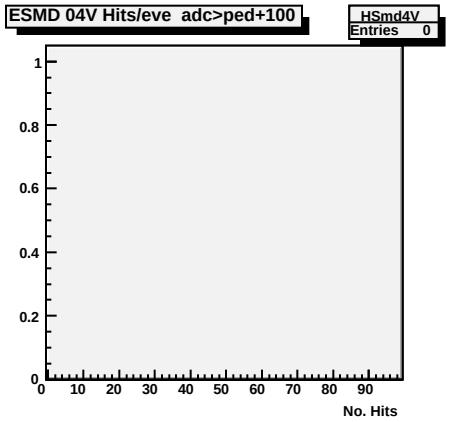
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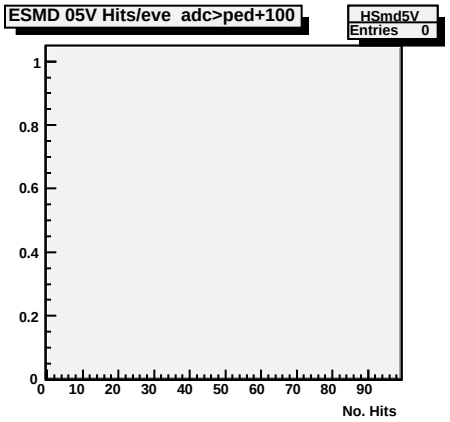
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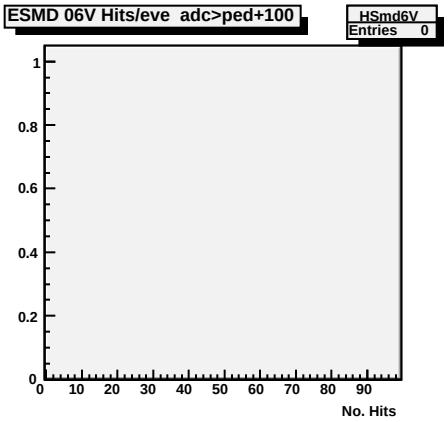
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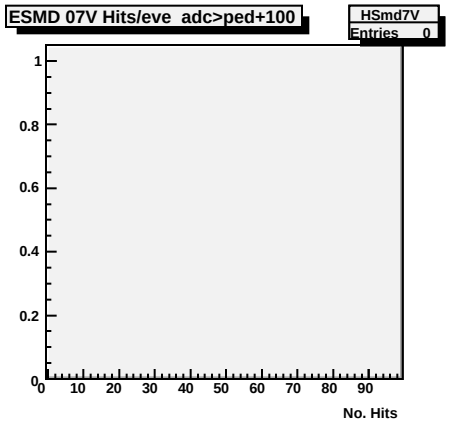
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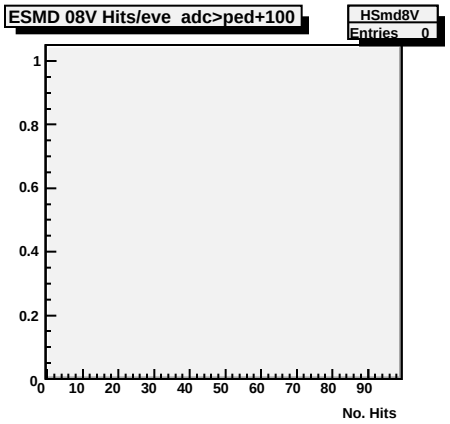
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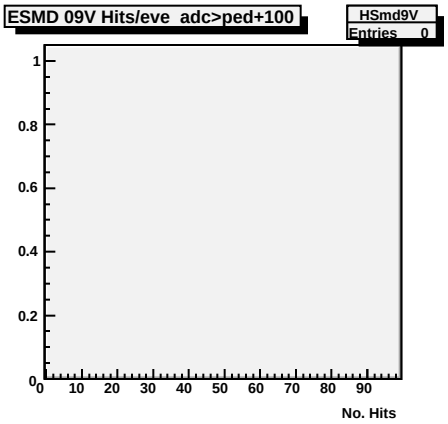
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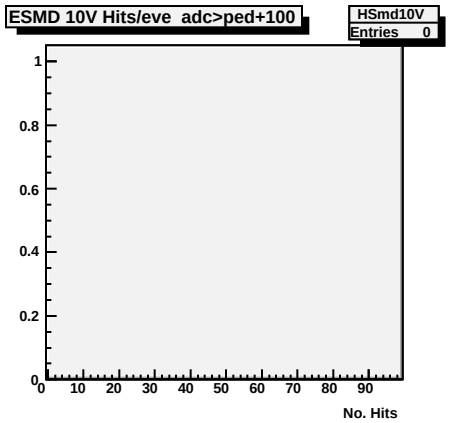
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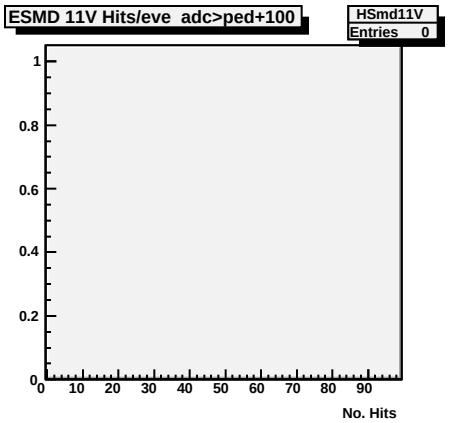
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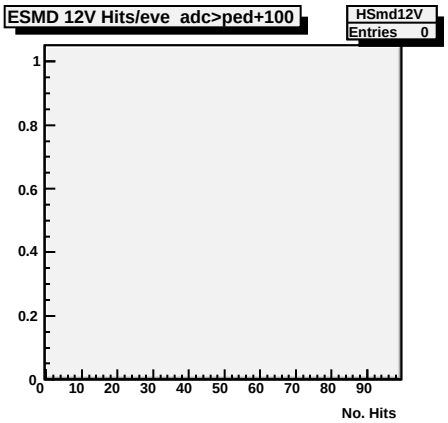
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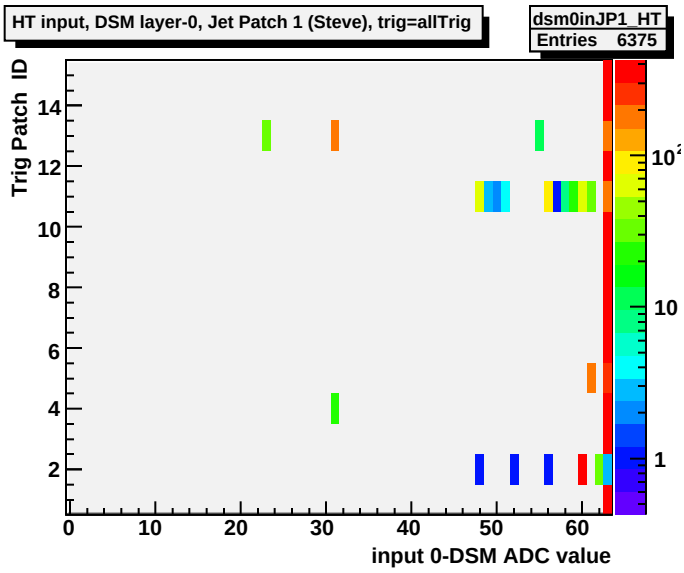
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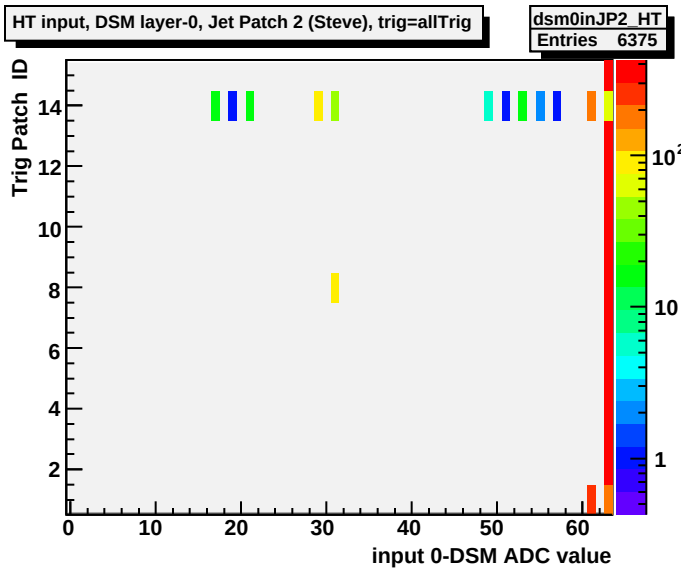
dsm0inJP1_HT
Entries 6375
Trig Patch ID
input 0-DSM ADC value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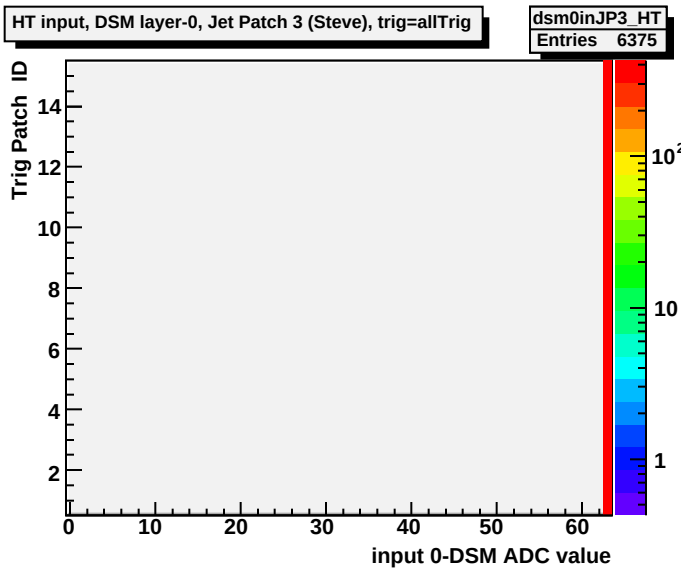
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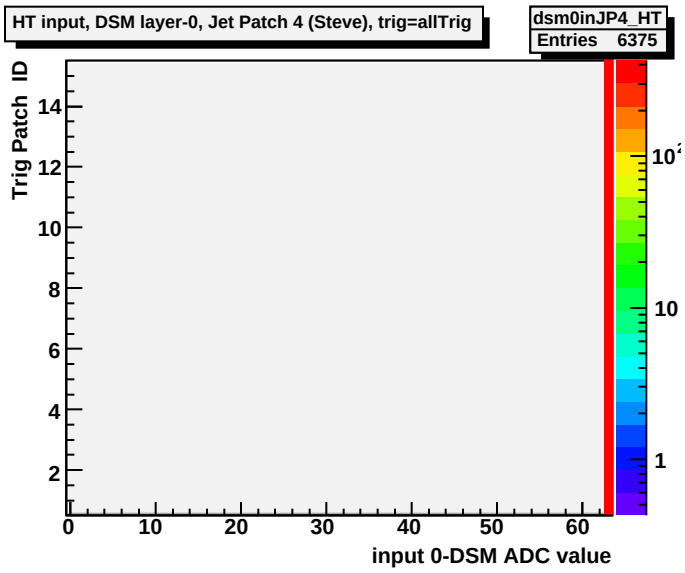
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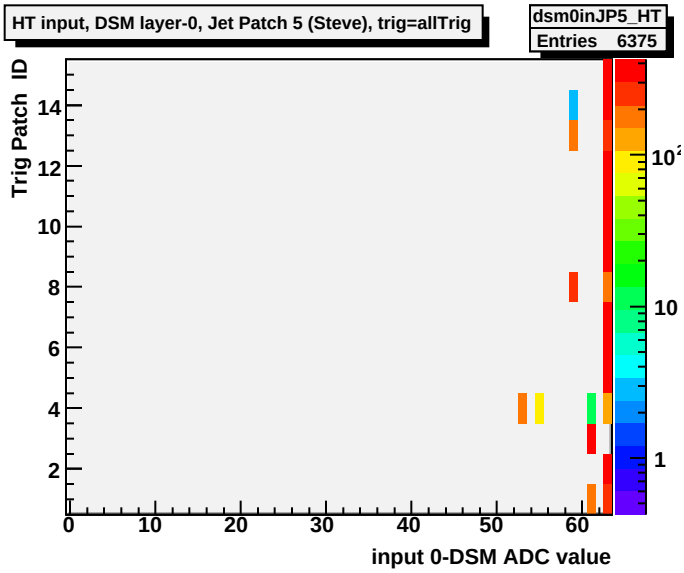
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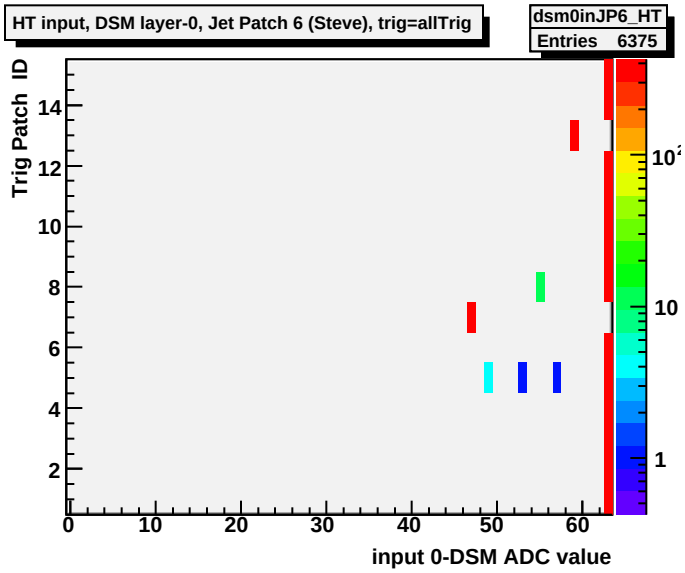
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Entries 6375
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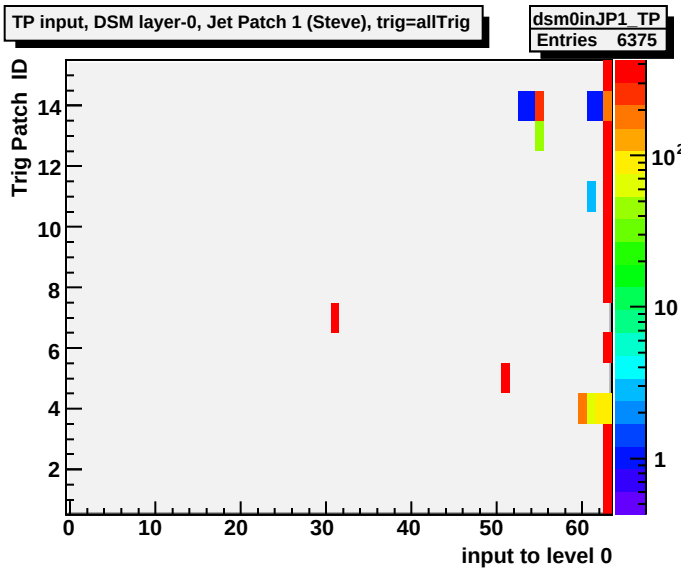
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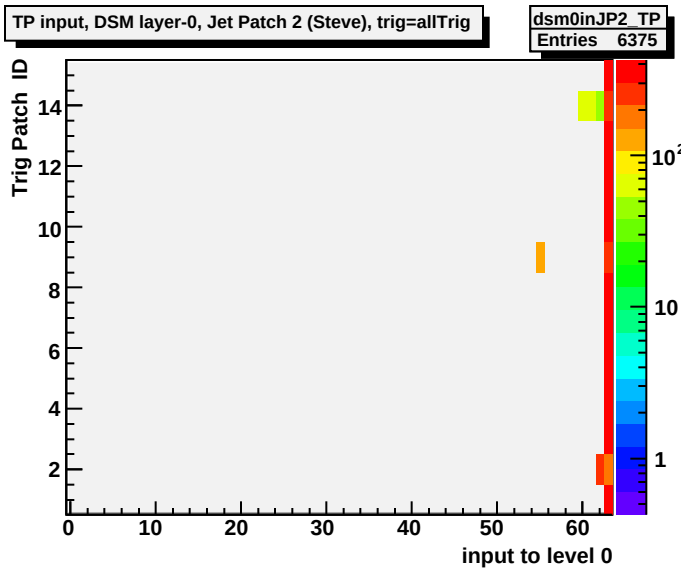
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Entries 6375
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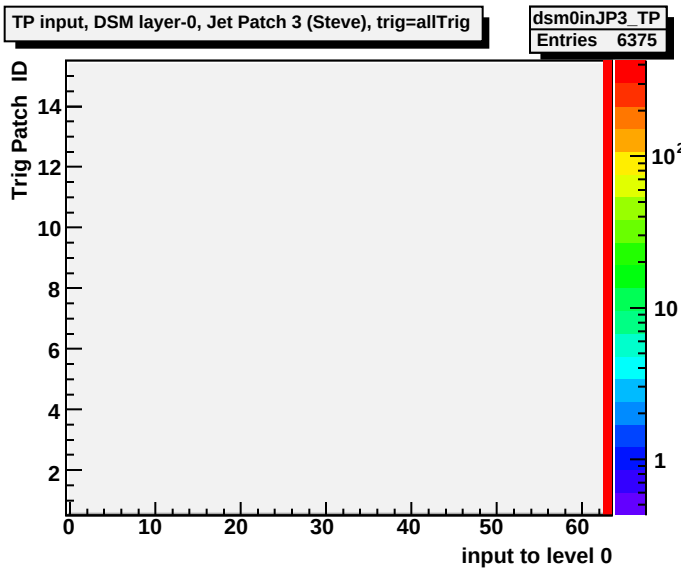
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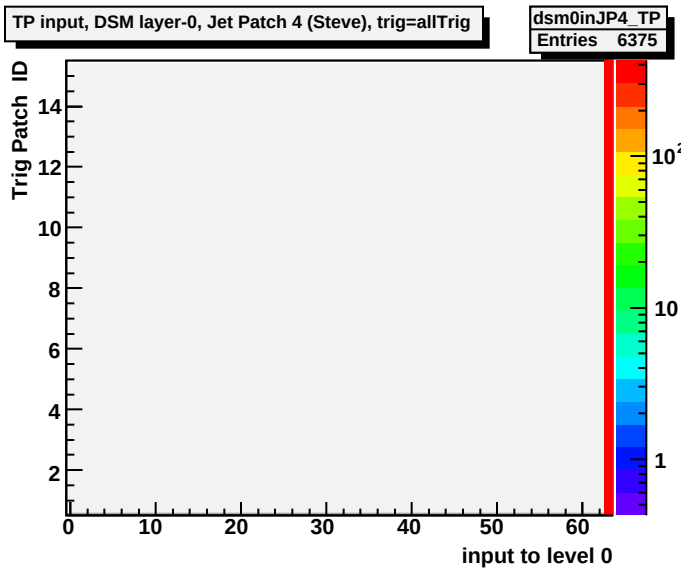
input to level 0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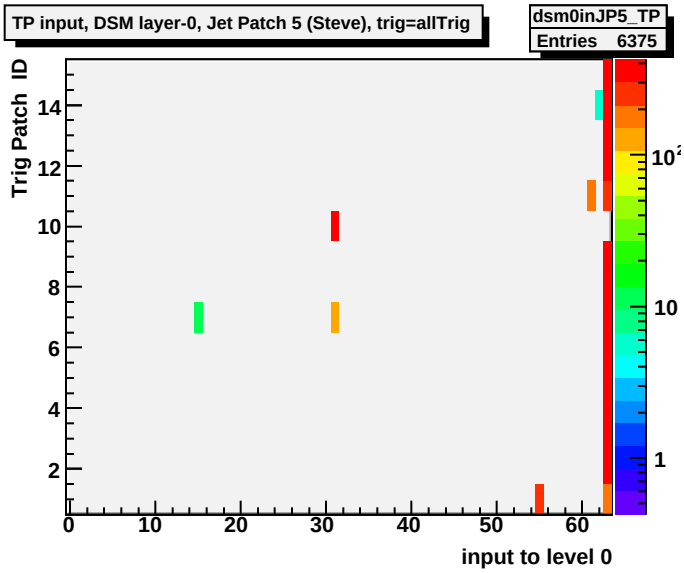
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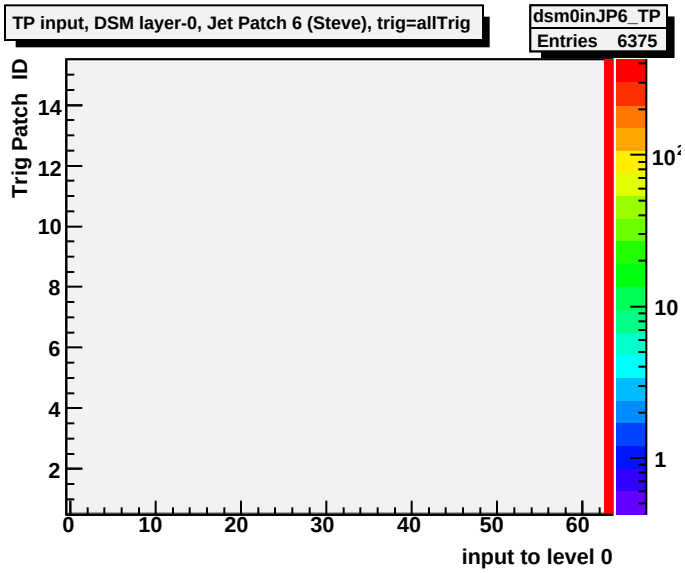
Entries 6375
Trig Patch ID
input to level 0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dsm0inJP6_TP
Entries 6375
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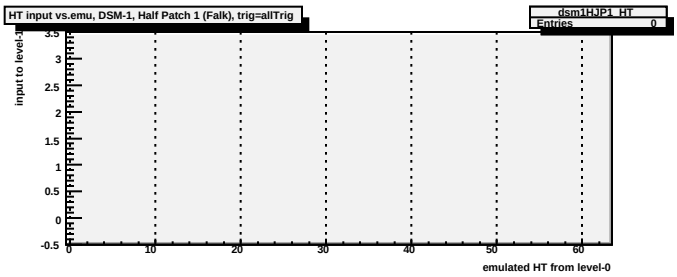
input to level 0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Entries 0
input to level-1
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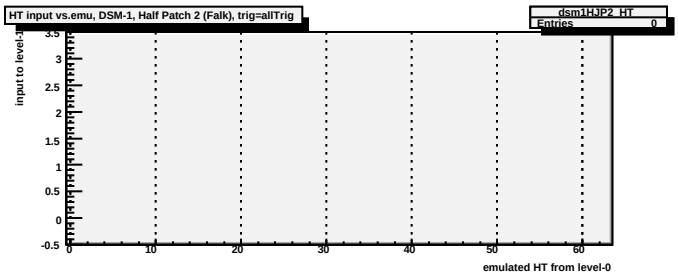
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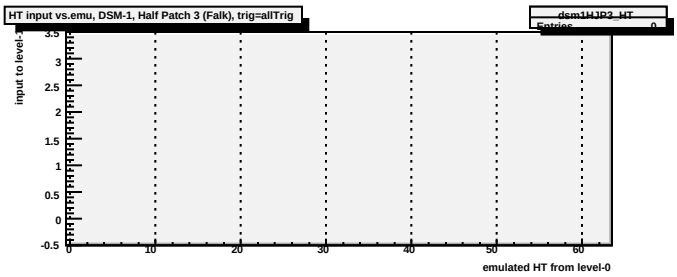
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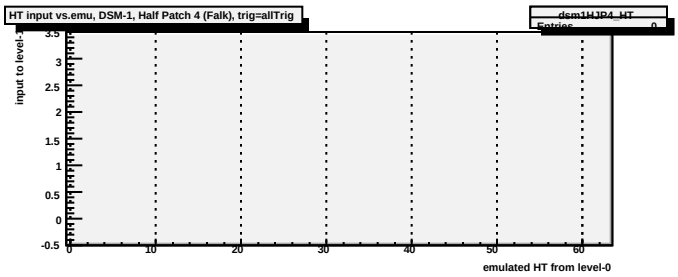
emulated HT from level-0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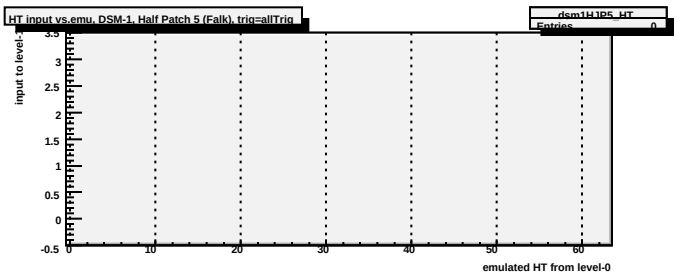
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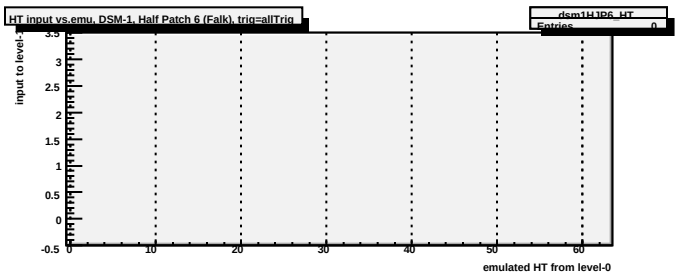
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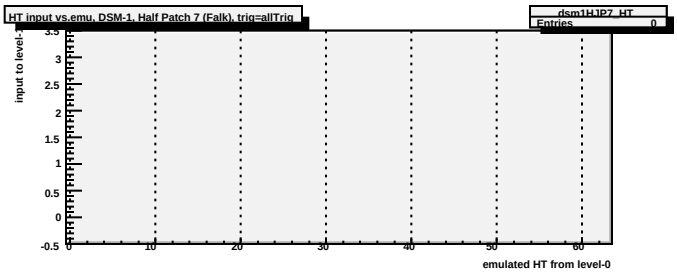
input to level-1
emulated HT from level-0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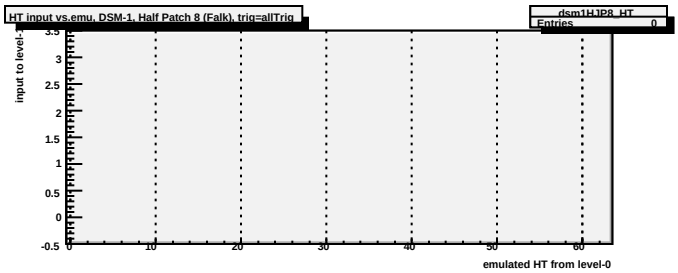
Entries 0
input to level-1
emulated HT from level-0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Entries 0
input to level-1
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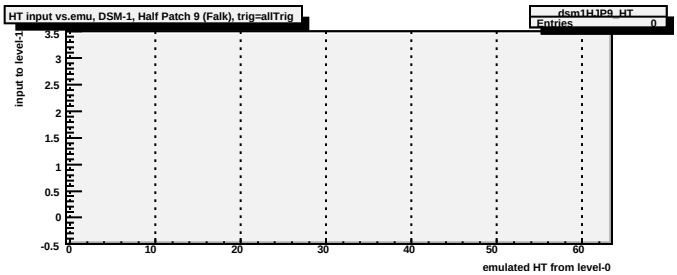
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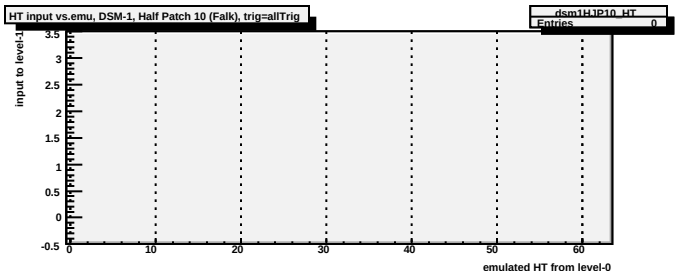
Entries 0
input to level-1
emulated HT from level-0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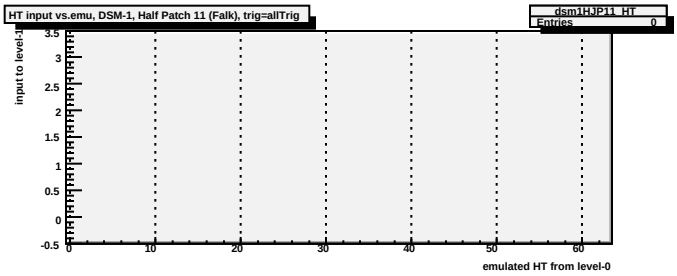
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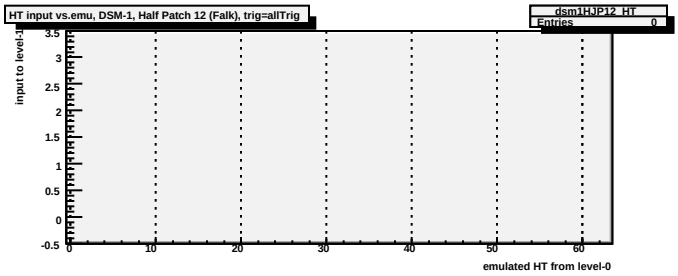
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Entries 0
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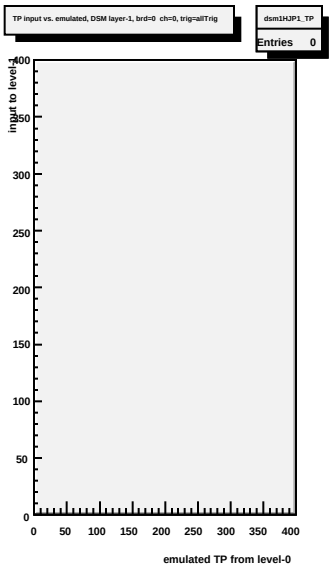
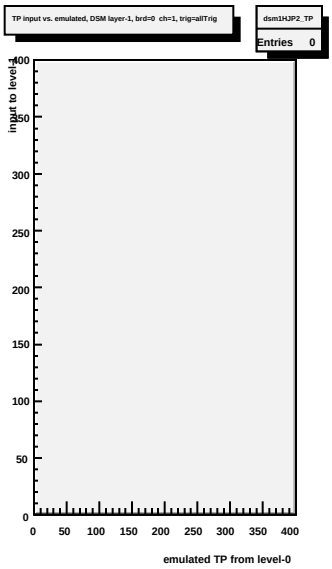
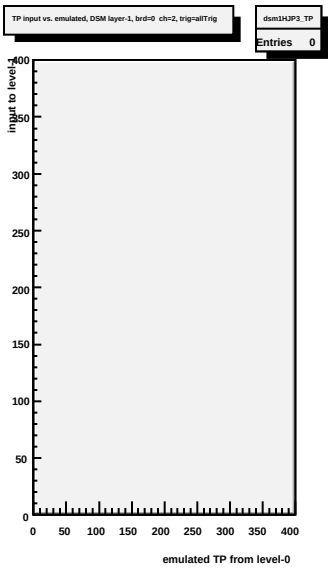
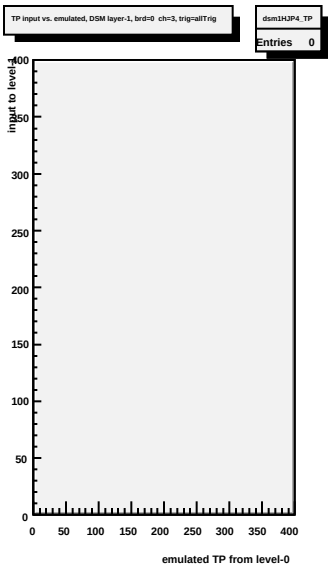
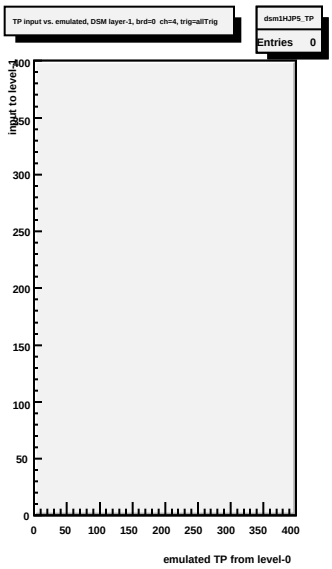
emulated HT from level-0

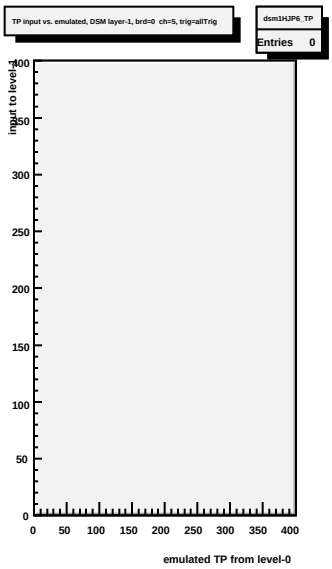

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
input to level-1
emulated TP from level-0

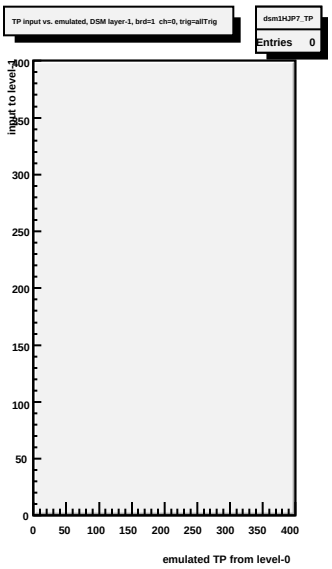

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

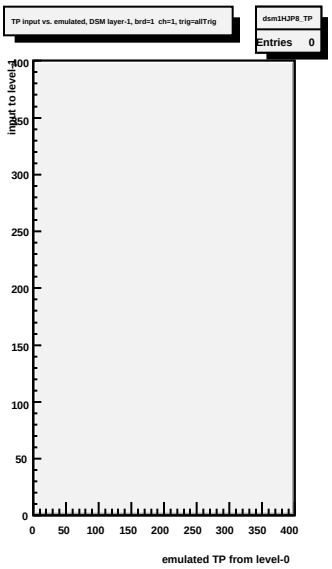

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

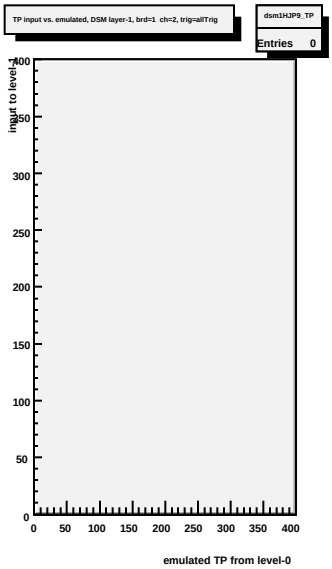

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

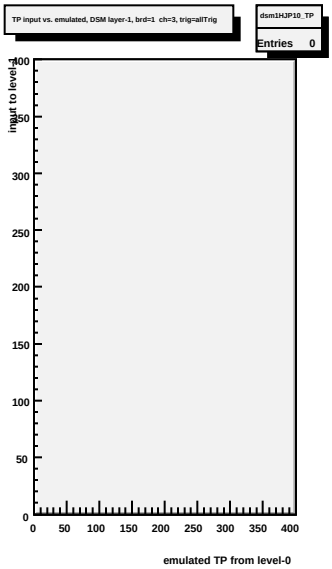

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

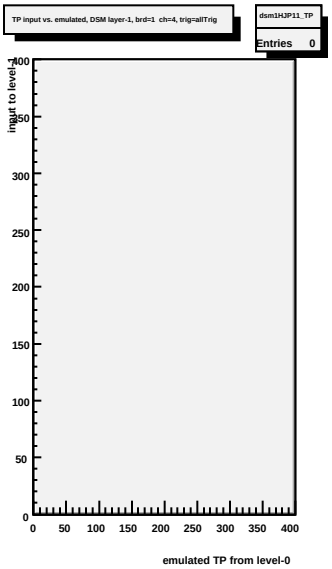

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

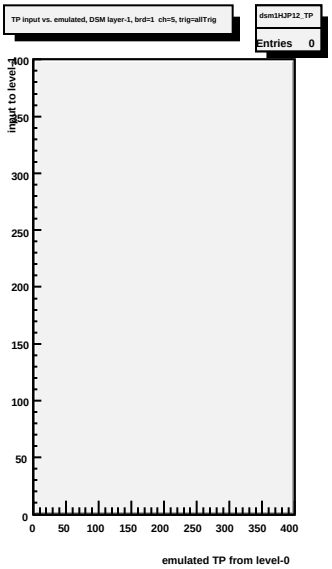

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

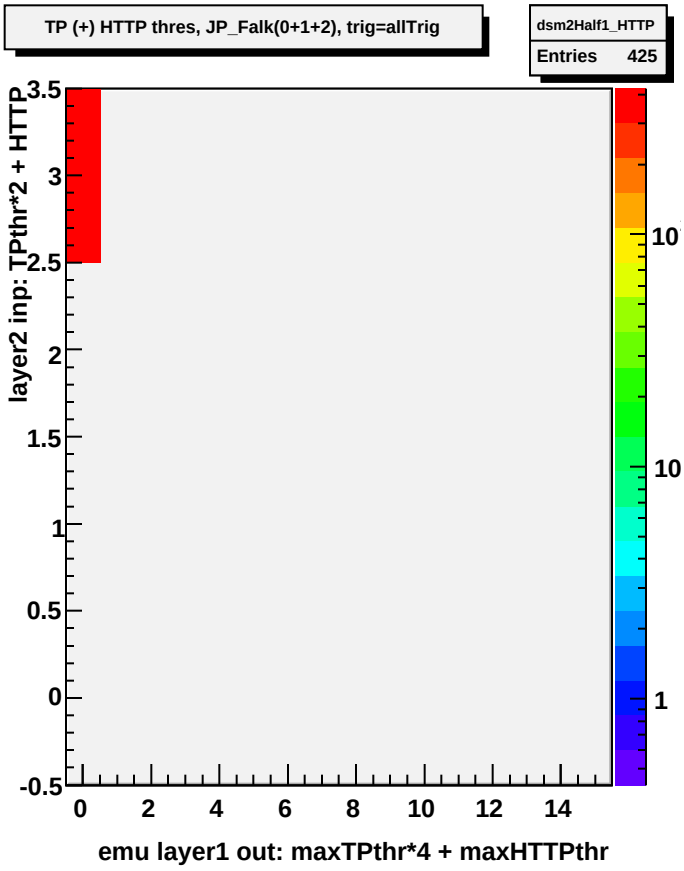

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

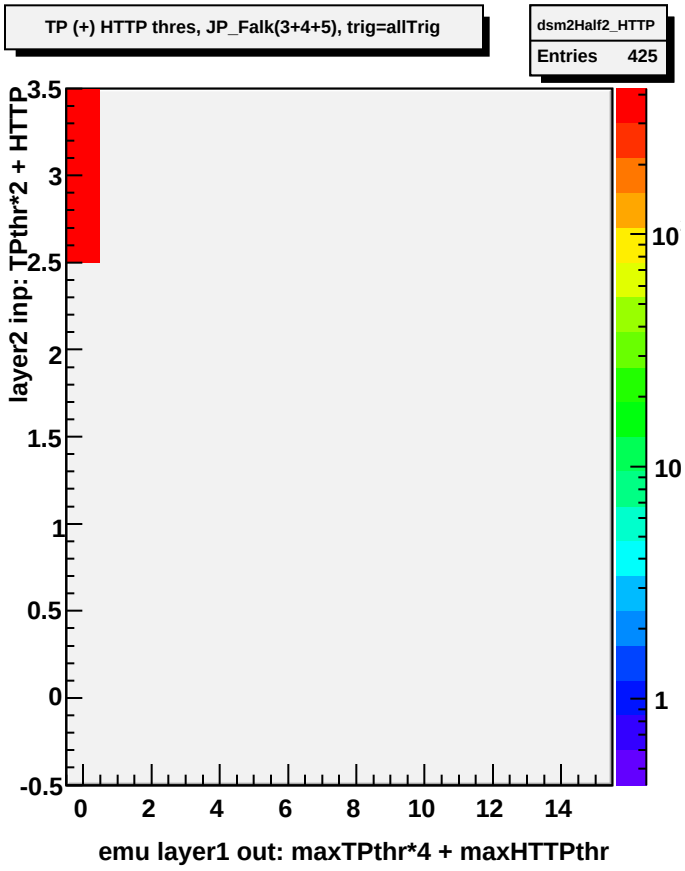

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

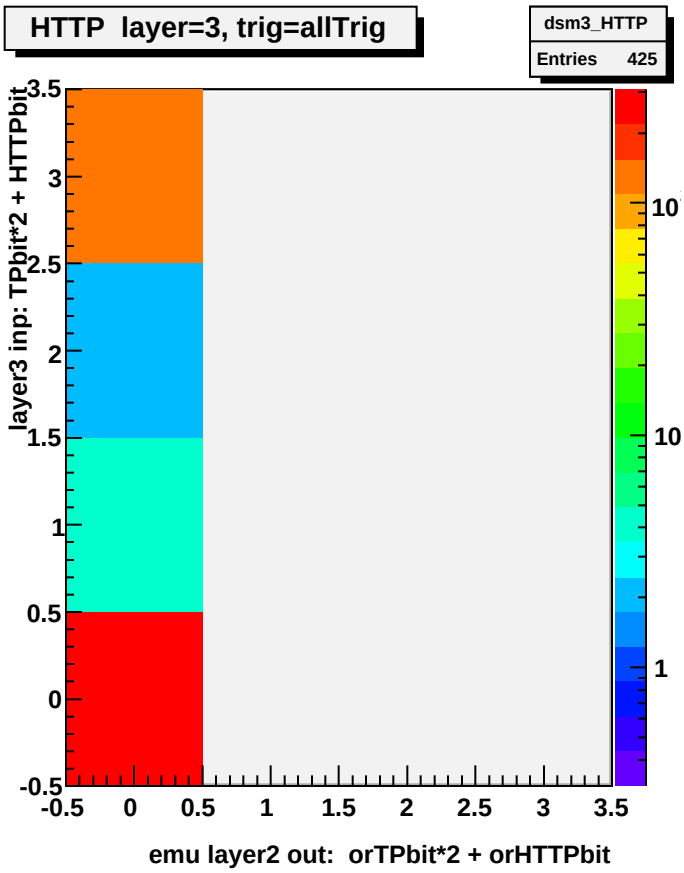

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

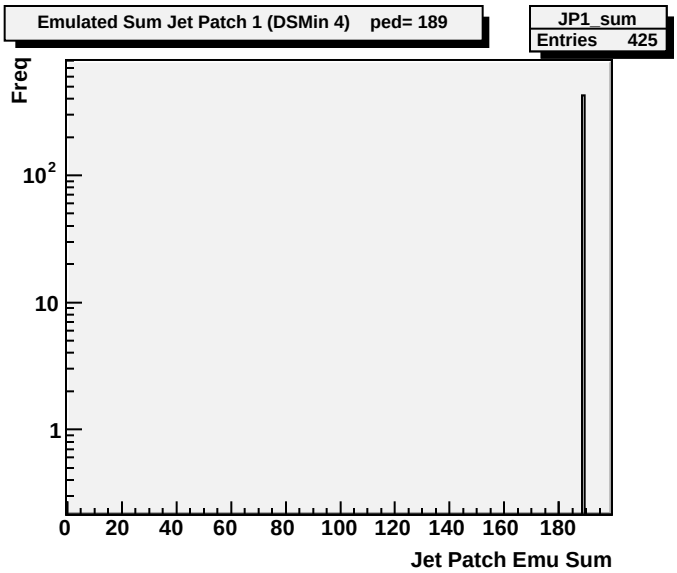

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

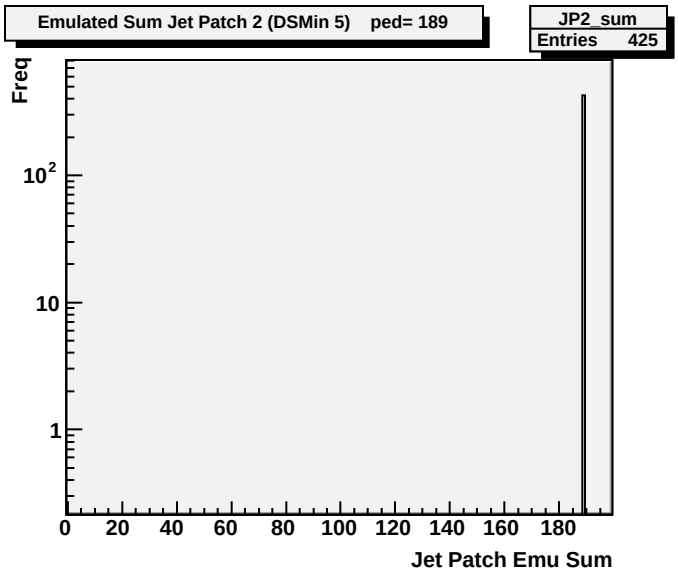

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

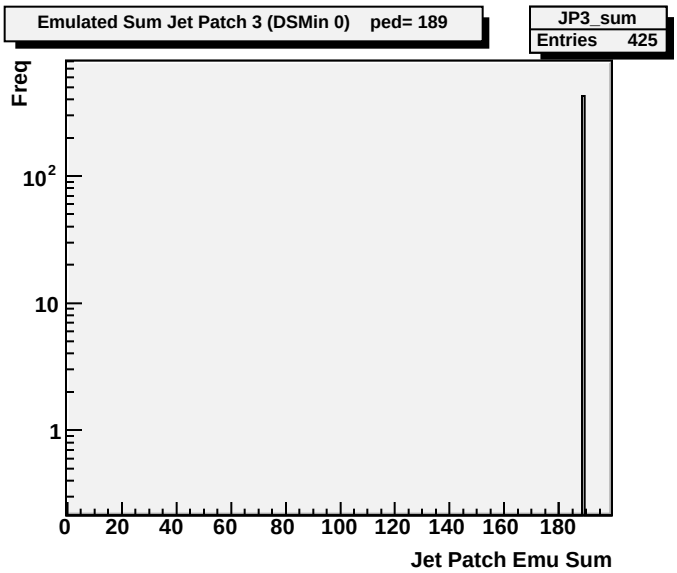

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 425
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

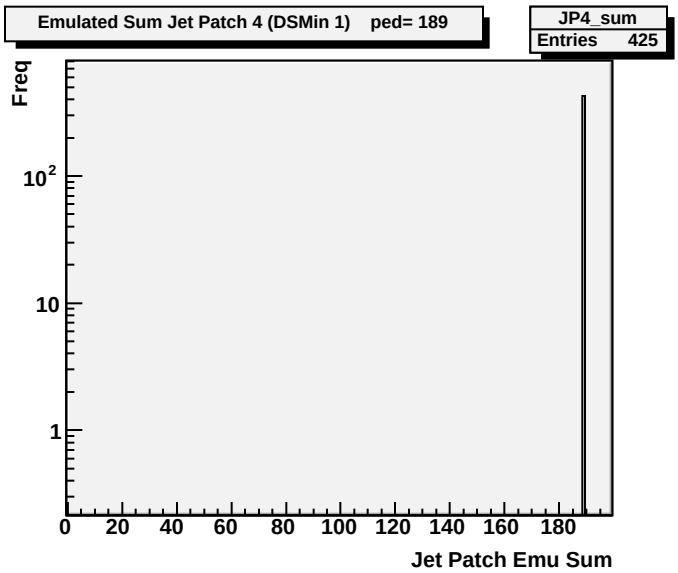

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 425
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

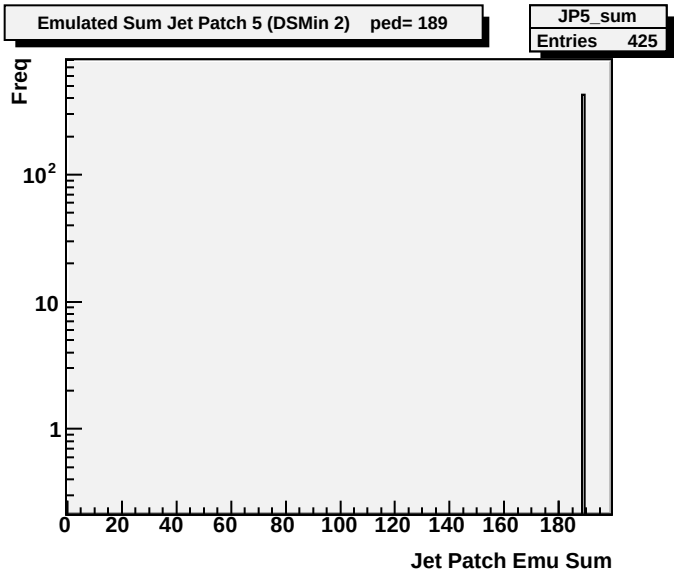

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 425
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

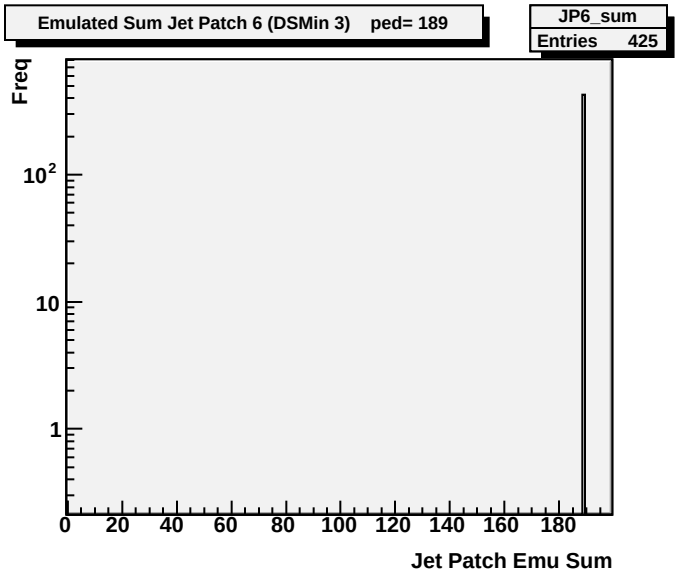

Emulated Sum Jet Patch 1 (DSMin 4) ped= 189
JP1_sum
Entries 425
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

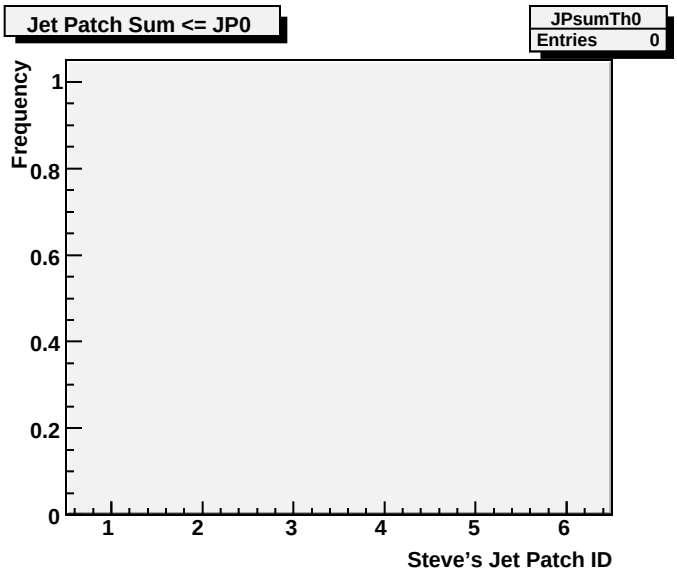

Emulated Sum Jet Patch 2 (DSMin 5) ped= 189
JP2_sum
Entries 425
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

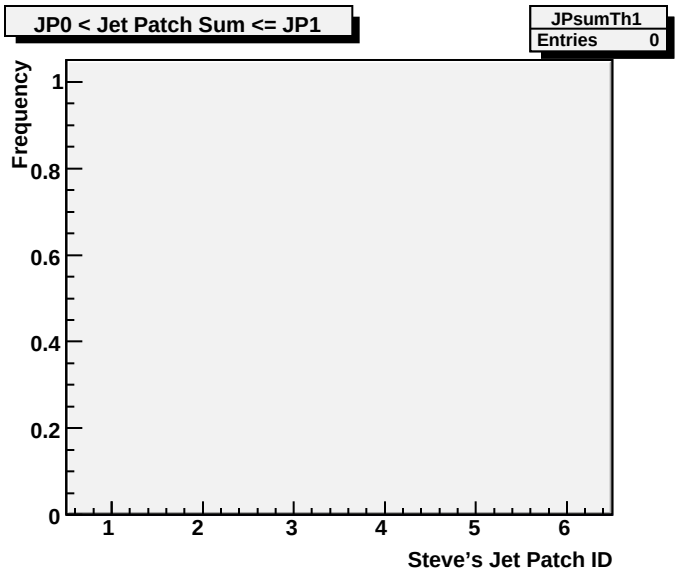

Emulated Sum Jet Patch 3 (DSMin 0) ped= 189
JP3_sum
Entries 425
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

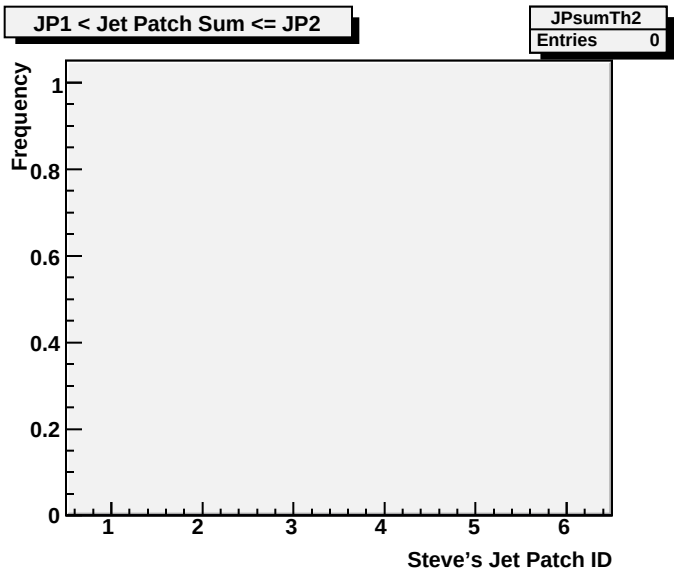

Emulated Sum Jet Patch 4 (DSMin 1) ped= 189
JP4_sum
Entries 425
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

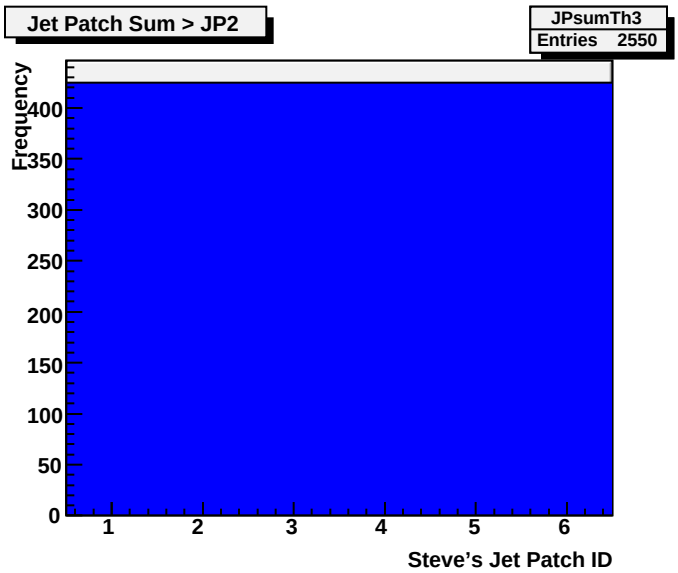

Emulated Sum Jet Patch 5 (DSMin 2) ped= 189
JP5_sum
Entries 425
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

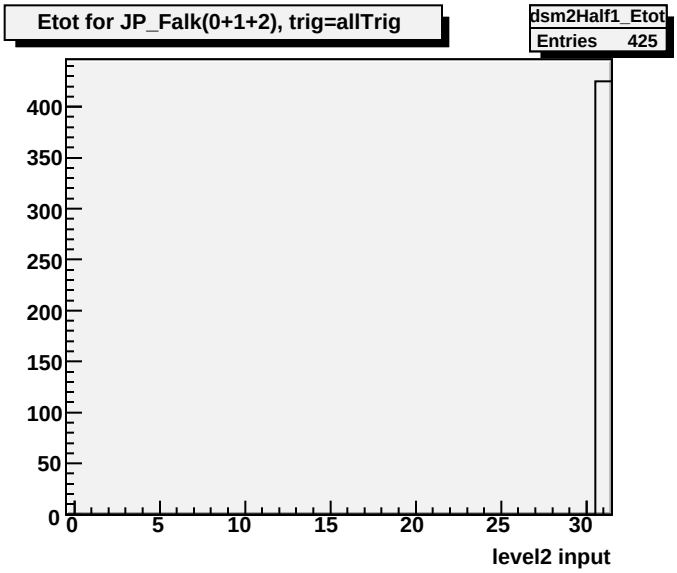

Emulated Sum Jet Patch 6 (DSMin 3) ped= 189
JP6_sum
Entries 425
Freq
10^2
10
1
0 20 40 60 80 100 120 140 160 180
Jet Patch Emu Sum

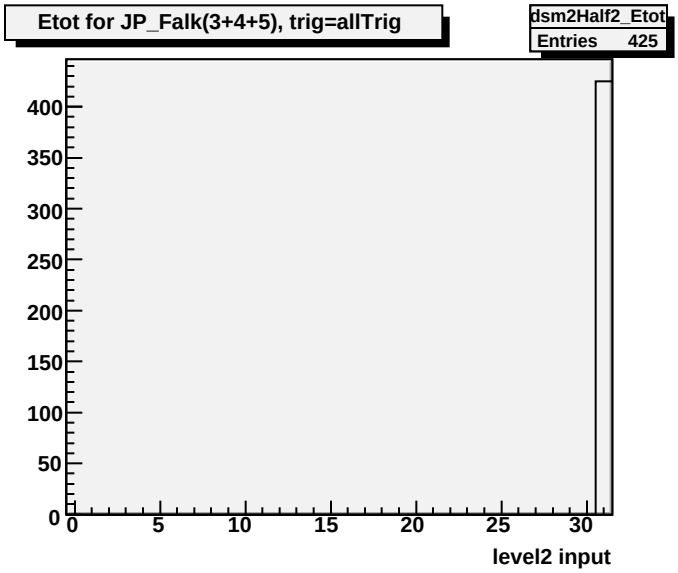

Jet Patch Sum <= JP0
JPsumTh0
Entries 0
Frequency
Steve's Jet Patch ID

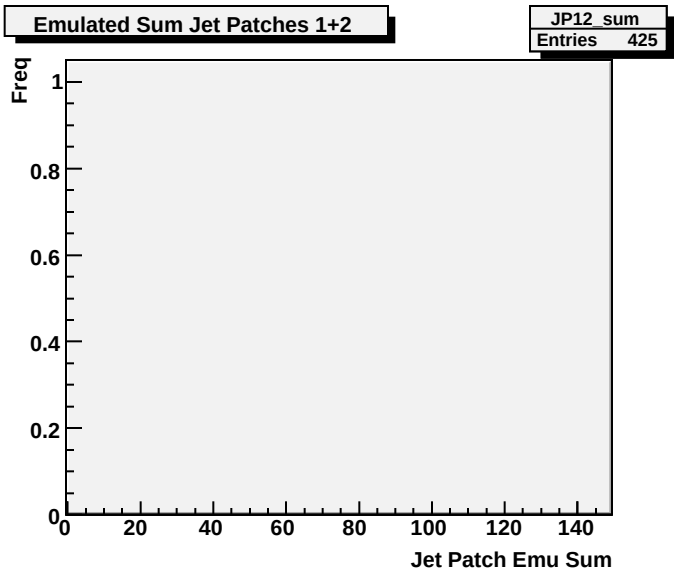

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 0
Frequency
Steve's Jet Patch ID

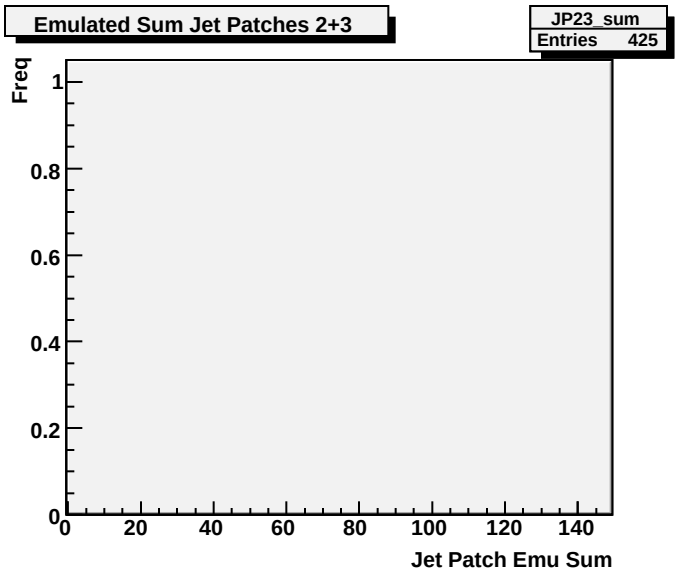

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

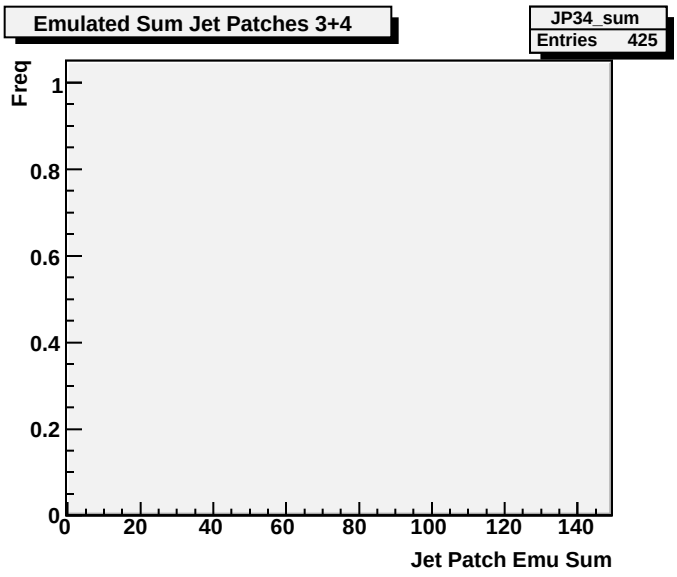

Jet Patch Sum > JP2
JPsumTh3
Entries 2550
Frequency
Steve's Jet Patch ID

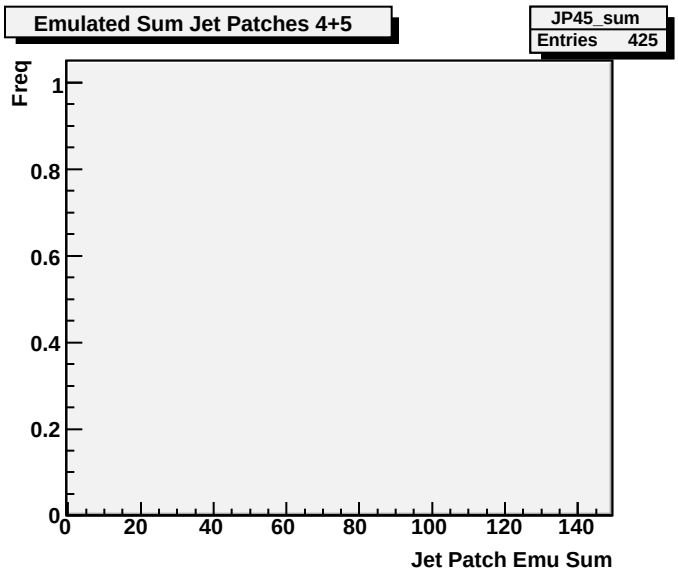

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 425
level2 input

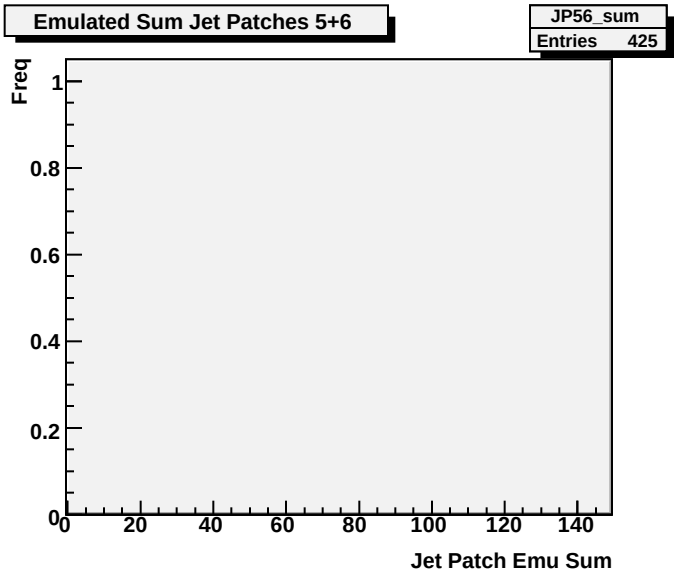

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 425
level2 input

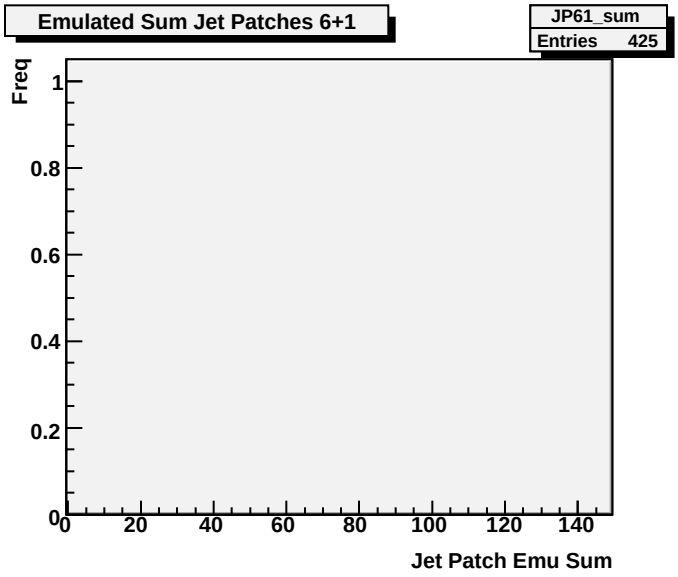

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 425
Freq
Jet Patch Emu Sum

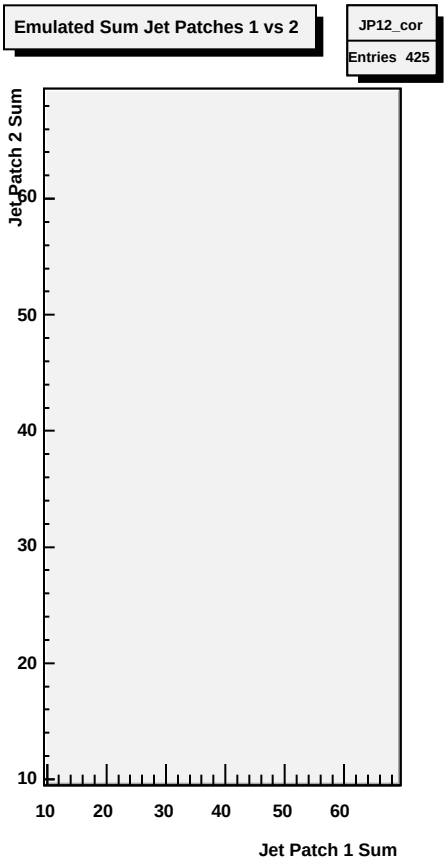

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 425
Freq
Jet Patch Emu Sum

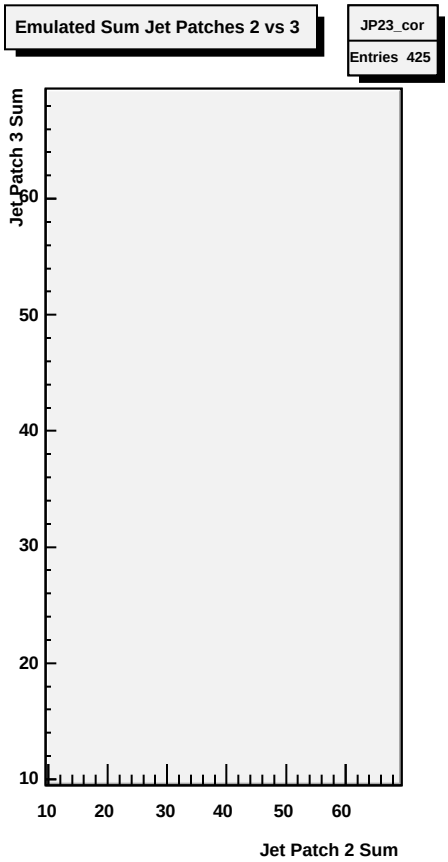

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 425
Freq
Jet Patch Emu Sum

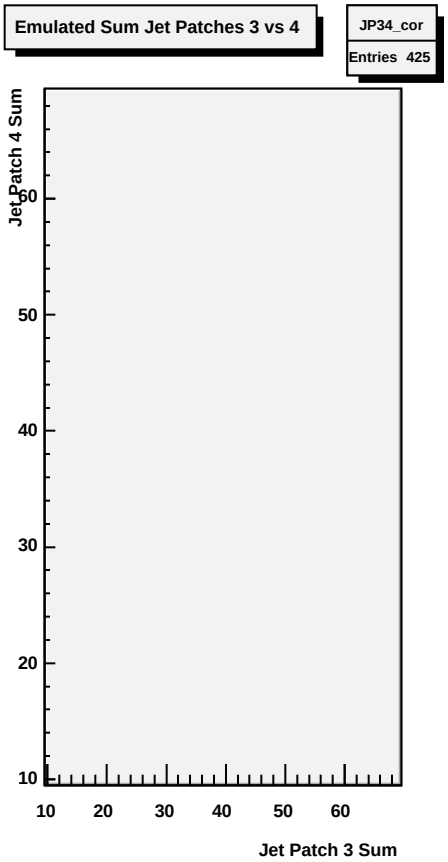

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 425
Freq
Jet Patch Emu Sum

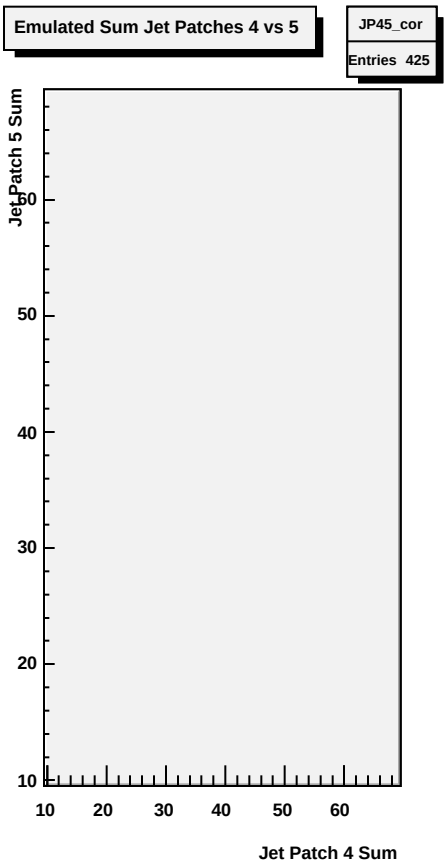

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 425
Freq
Jet Patch Emu Sum

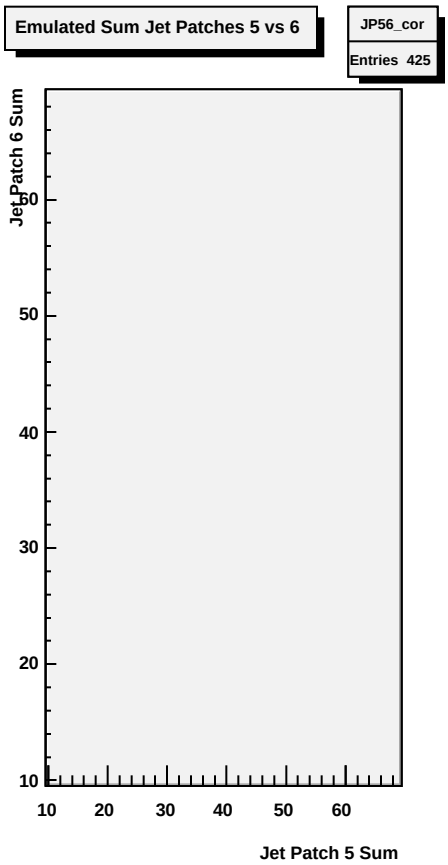

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 425
Freq
Jet Patch Emu Sum

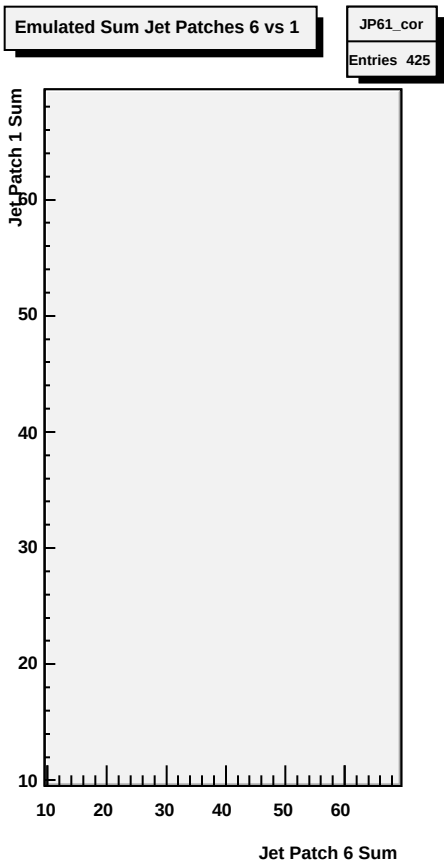

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 425
Jet Patch 2 Sum
Jet Patch 1 Sum

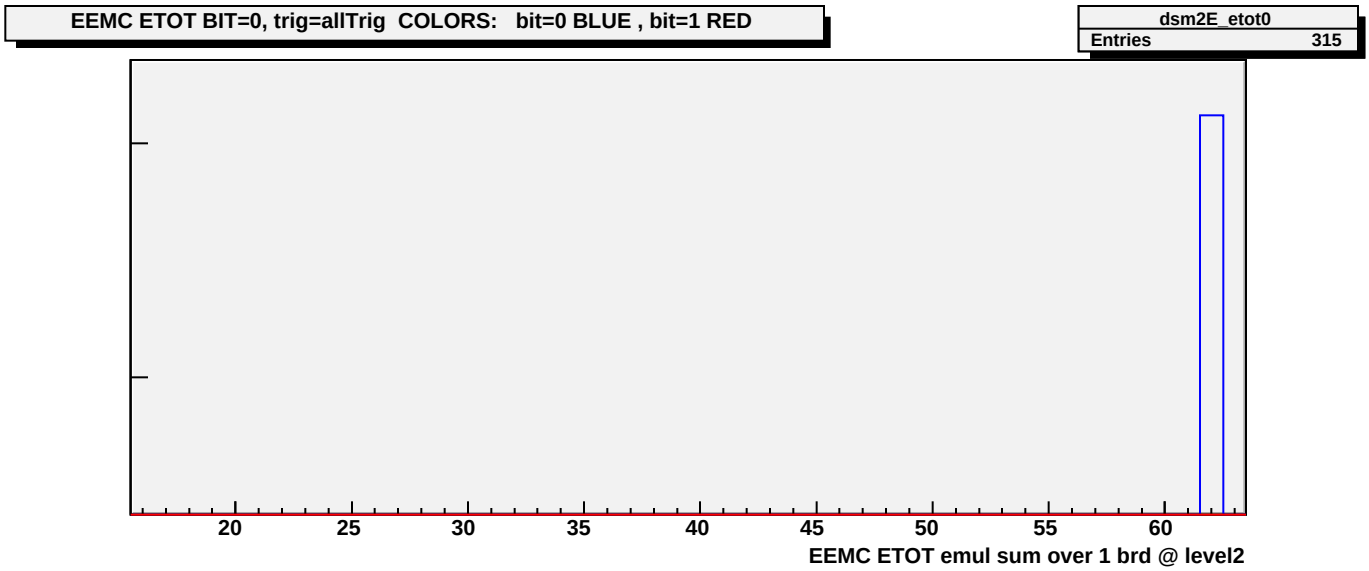

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 425
Jet Patch 3 Sum
Jet Patch 2 Sum

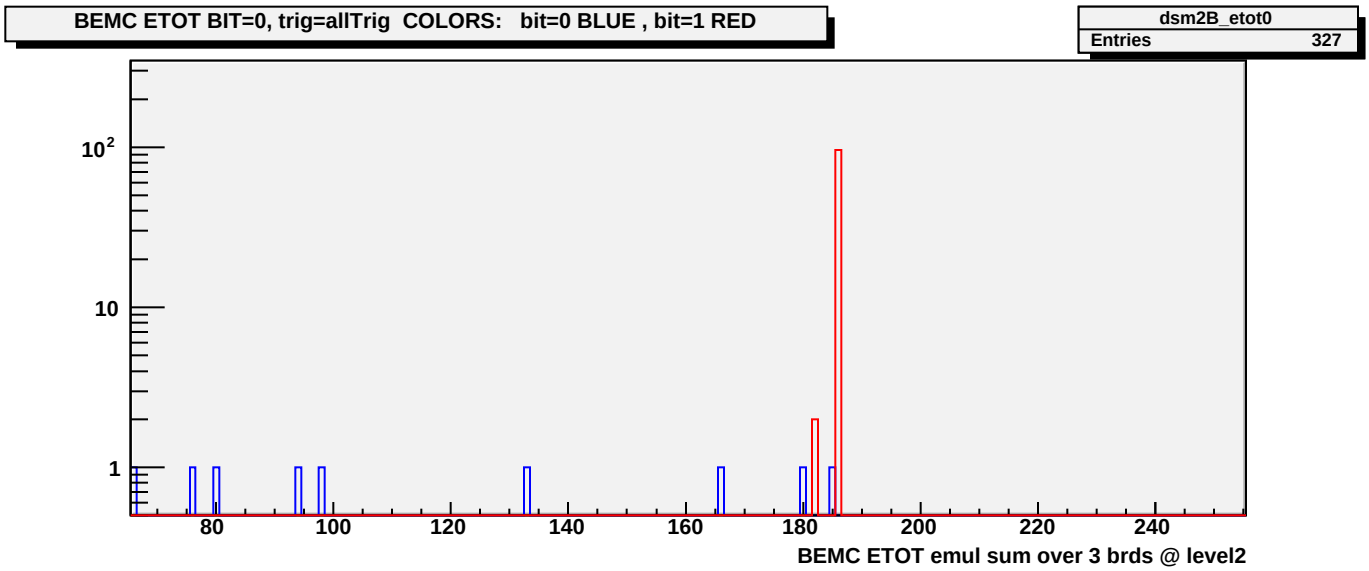

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 425
Jet Patch 4 Sum
Jet Patch 3 Sum

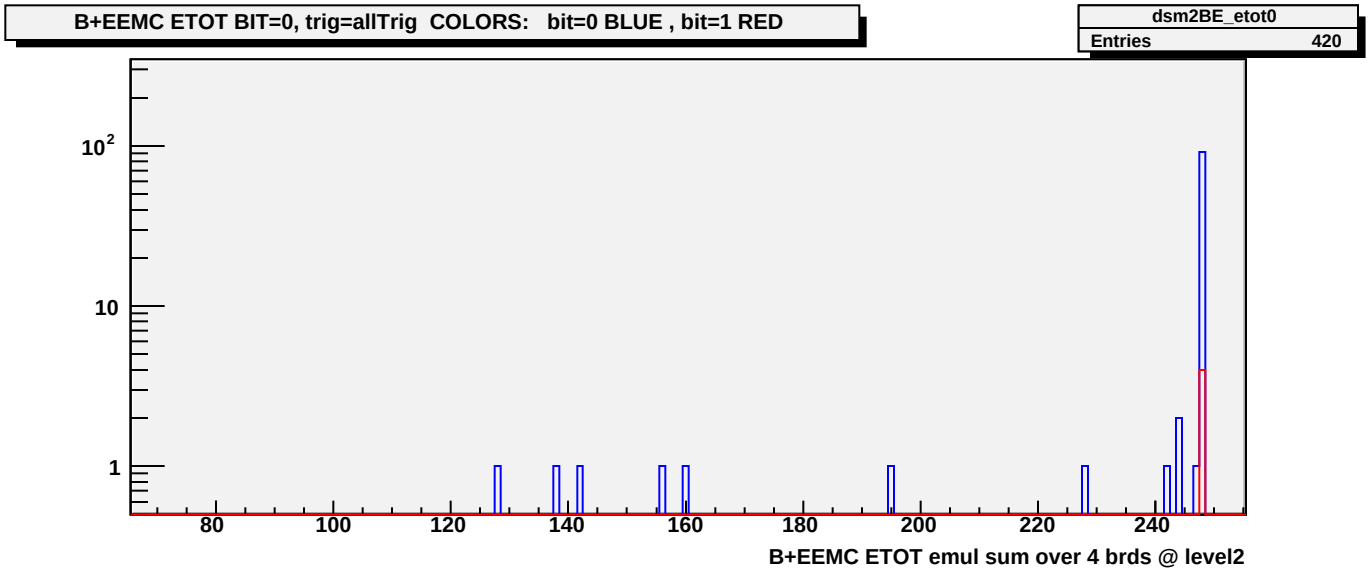

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 425
Jet Patch 5 Sum
Jet Patch 4 Sum

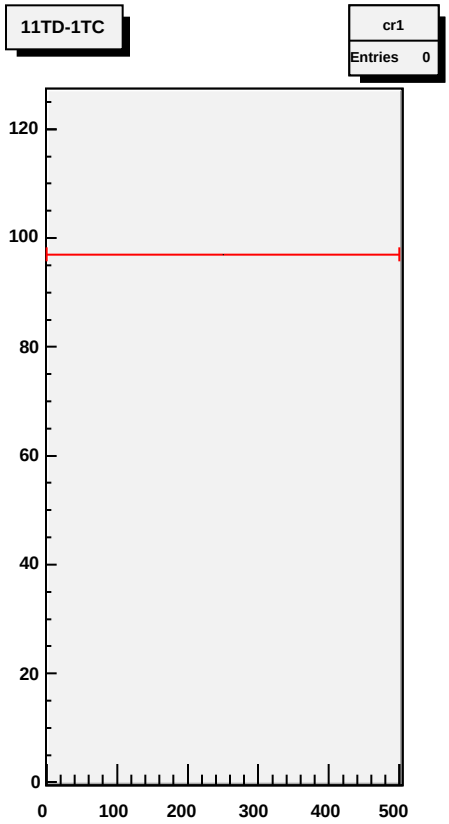

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 425
Jet Patch 6 Sum
Jet Patch 5 Sum

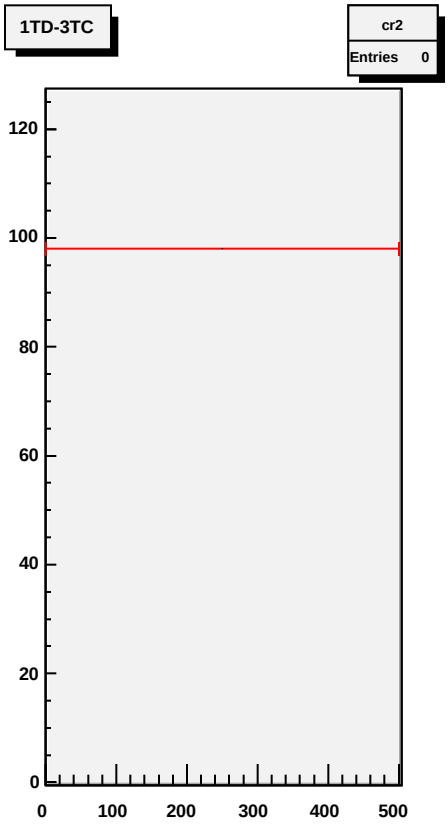

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 425
Jet Patch 1 Sum
Jet Patch 6 Sum

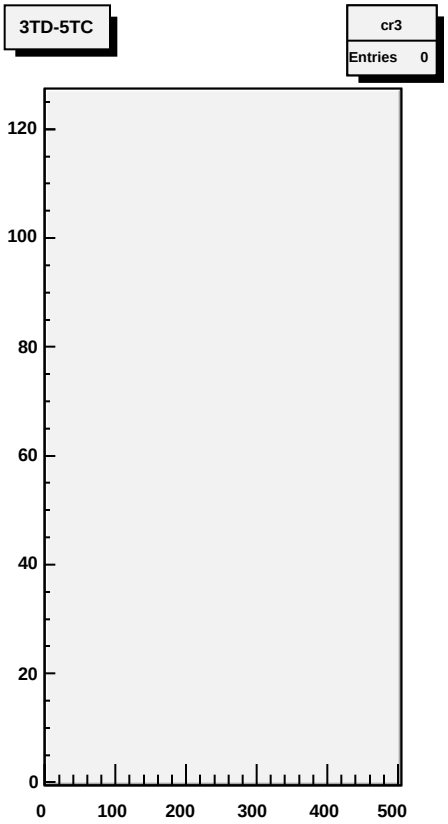

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 315
20
25
30
35
40
45
50
55
60
EEMC ETOT emul sum over 1 brd @ level2

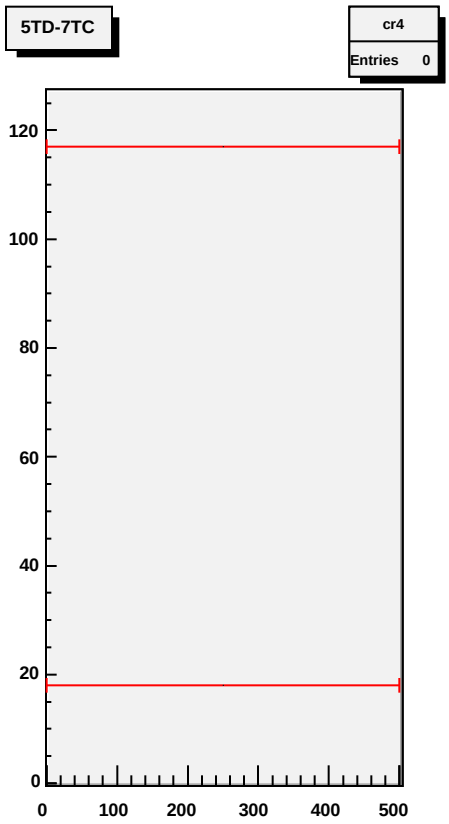

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 327
10^2
10
1
80
100
120
140
160
180
200
220
240
BEMC ETOT emul sum over 3 brds @ level2

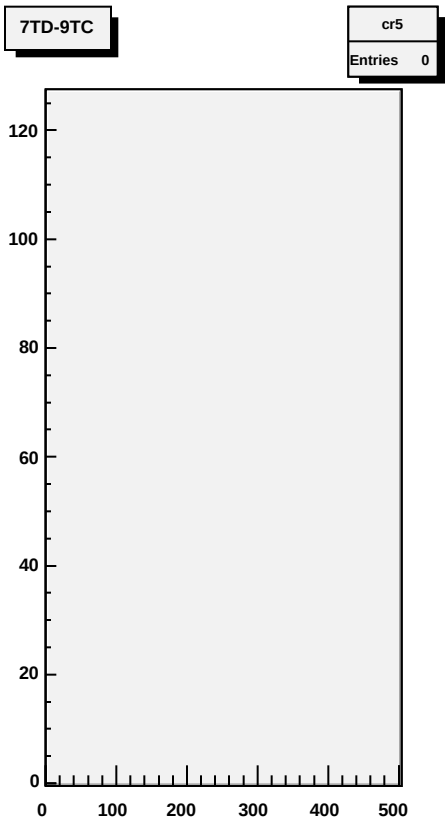

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 420
10^2
10
1
80
100
120
140
160
180
200
220
240
B+EEMC ETOT emul sum over 4 brds @ level2

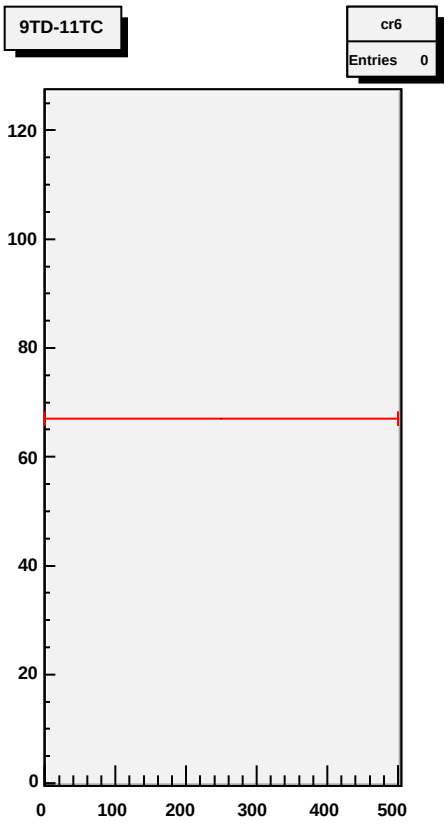

11TD-1TC
cr1
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


1TD-3TC
cr2
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500

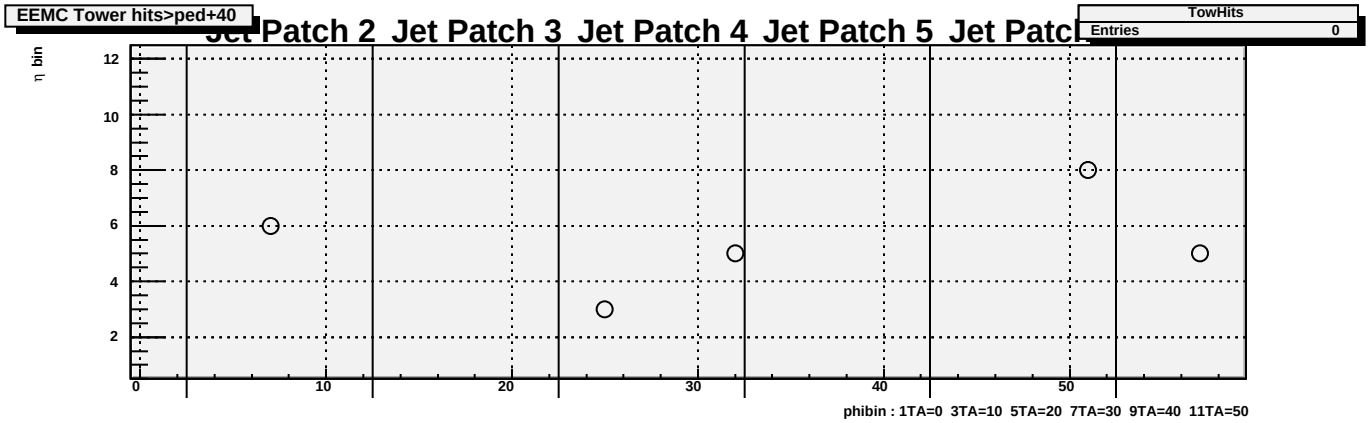

3TD-5TC
cr3
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


5TD-7TC
cr4
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500

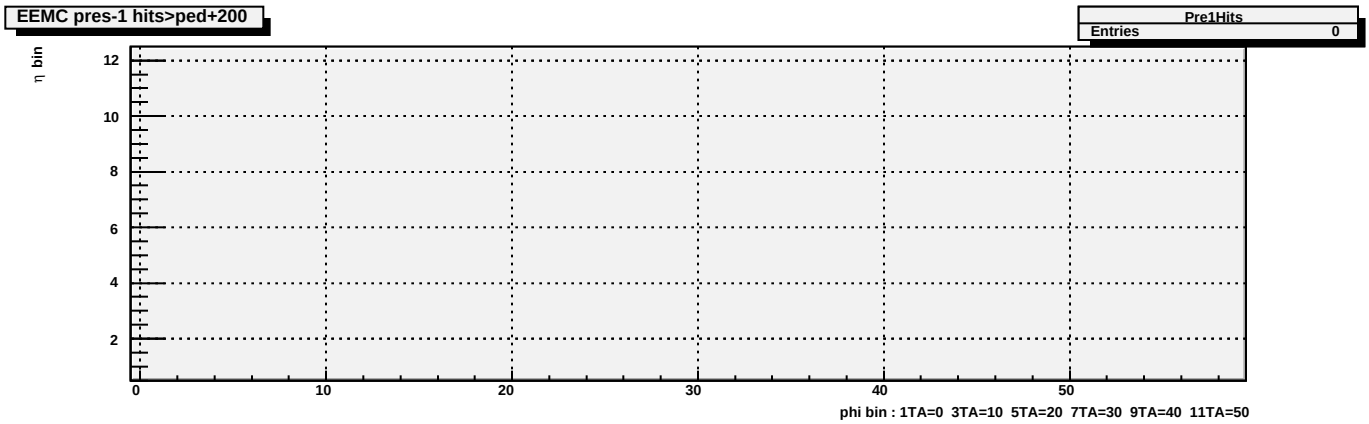

7TD-9TC
cr5
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


9TD-11TC
cr6
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500

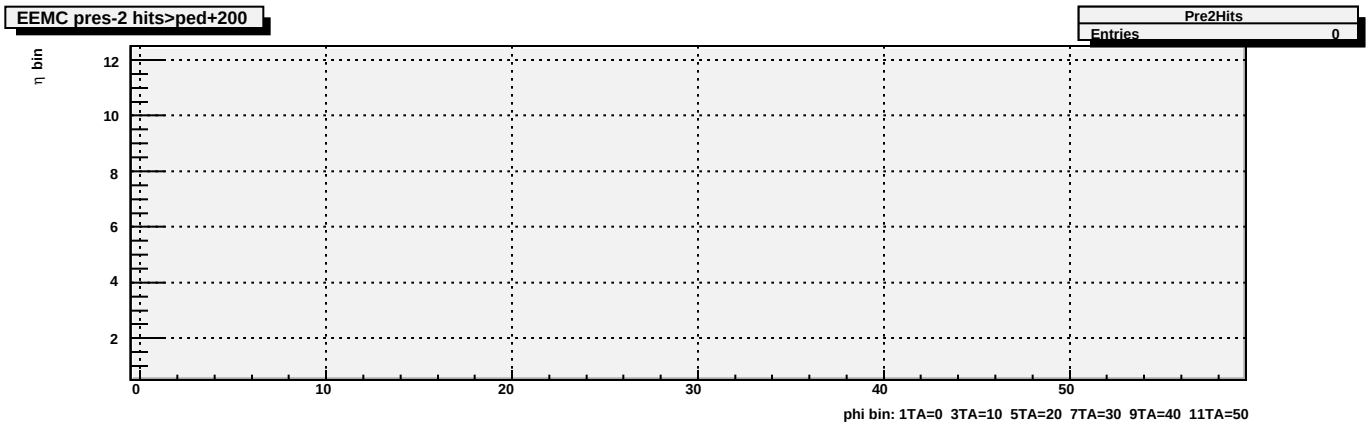
EEMC Tower hits>ped+40



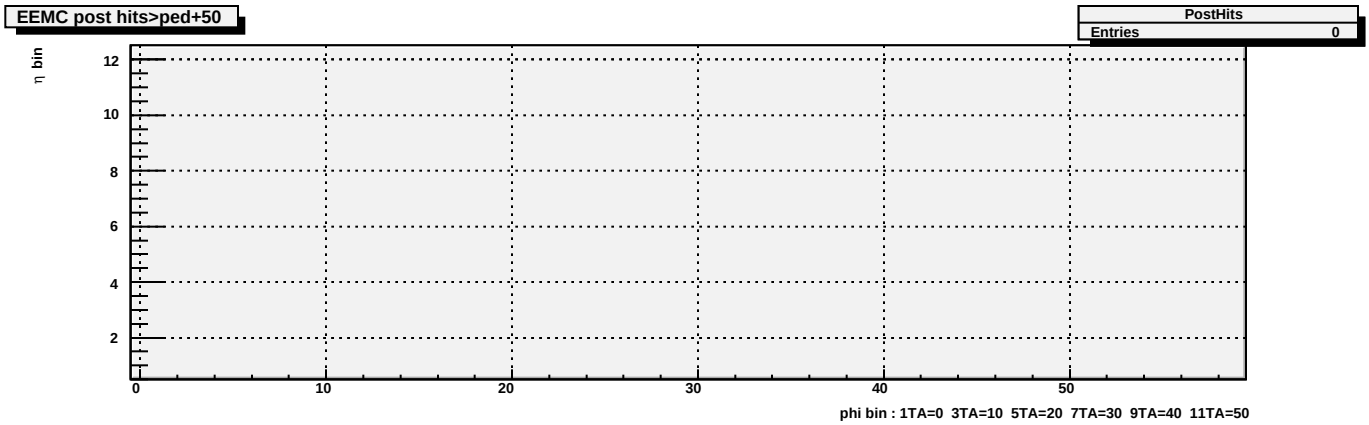
EEMC pres-1 hits>ped+200

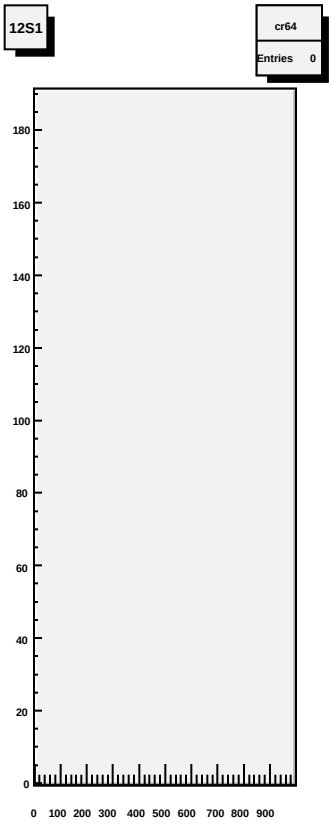


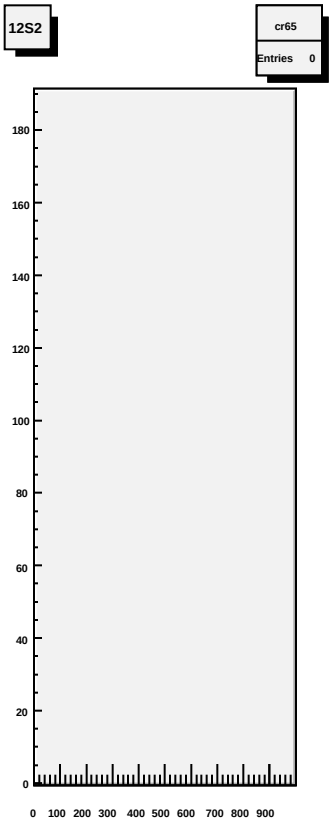
EEMC pres-2 hits>ped+200

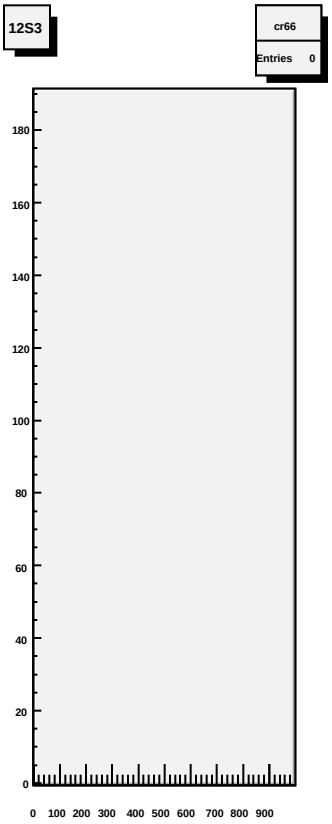


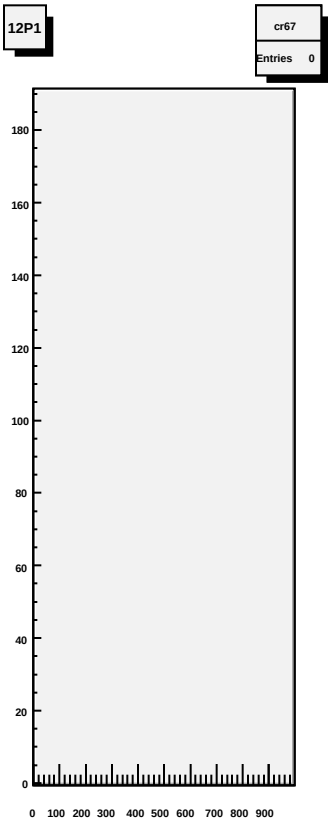
EEMC post hits>ped+50

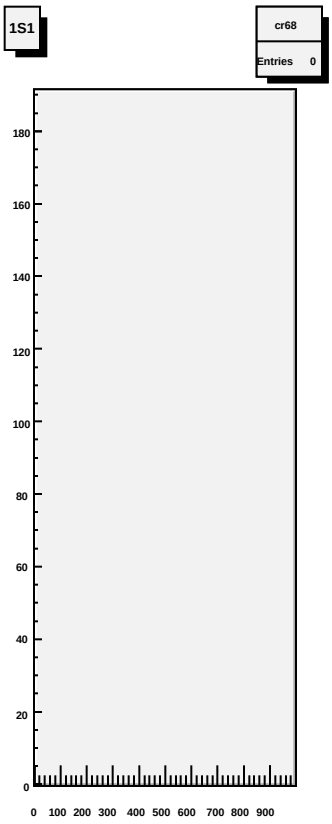


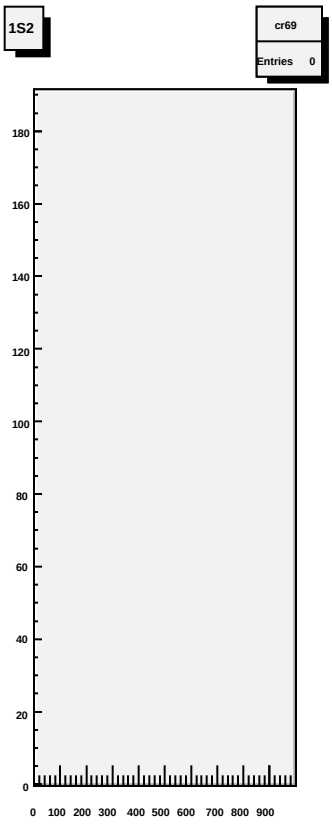

12S1
cr64
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

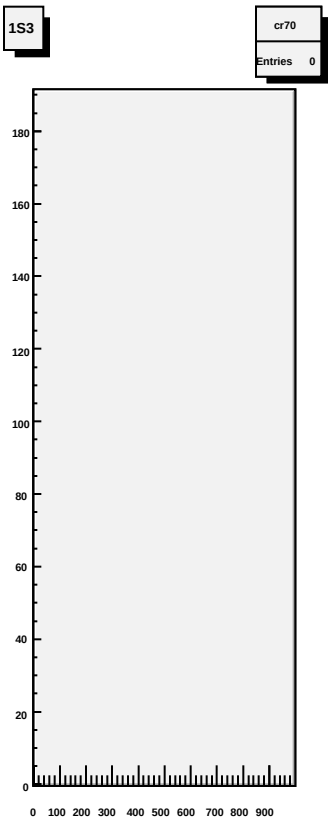

12S2
cr65
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

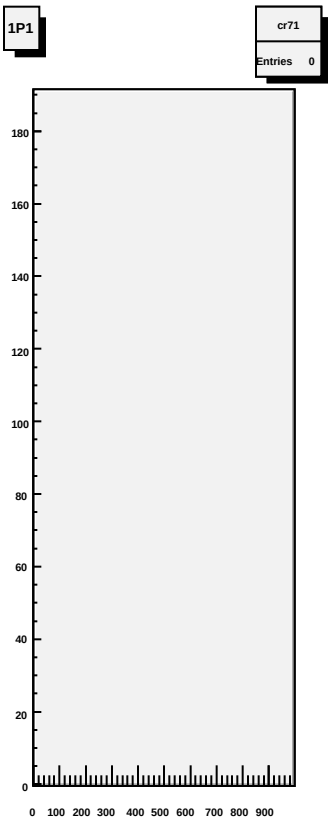

12S3
cr66
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

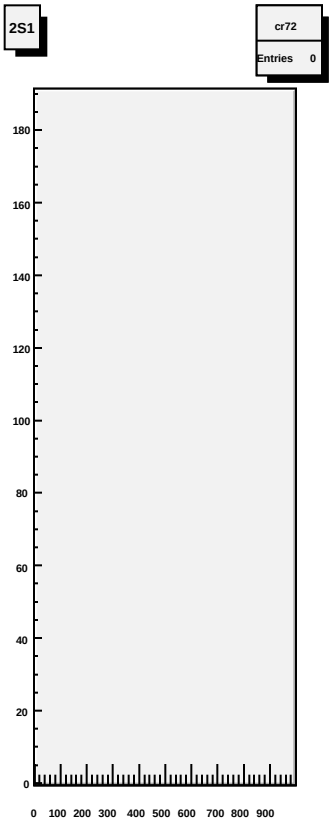

12P1
cr67
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

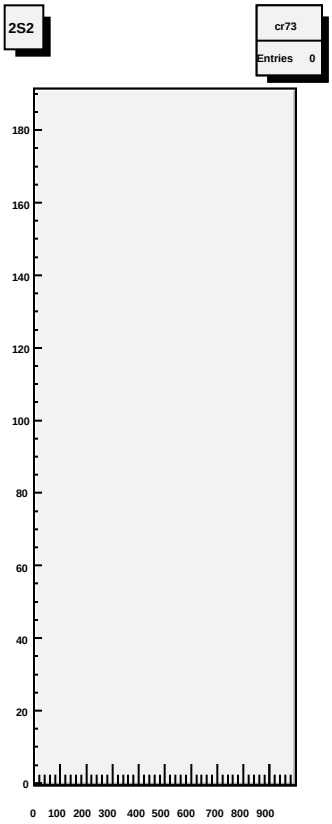

1S1
cr68
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

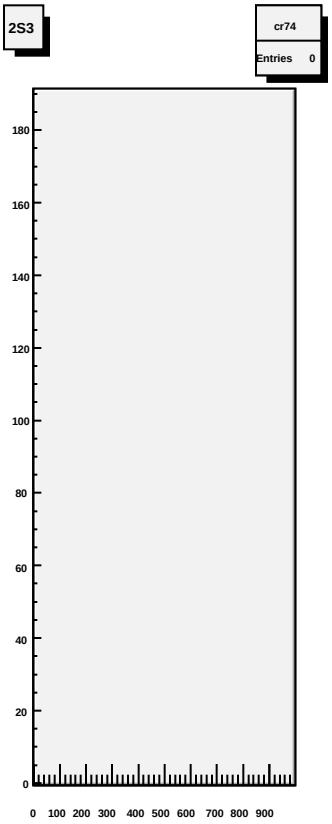

1S2
cr69
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

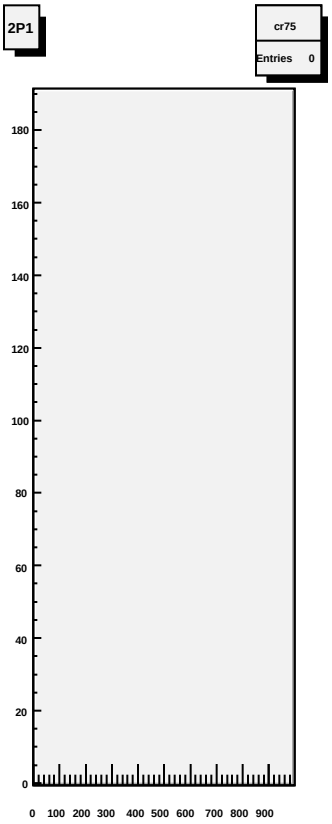

1S3
cr70
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

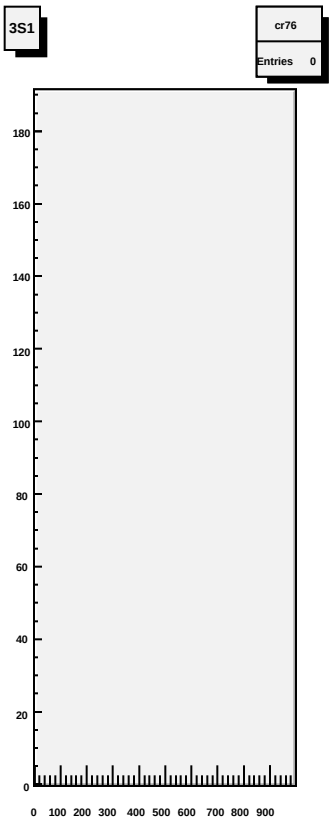

1P1
cr71
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

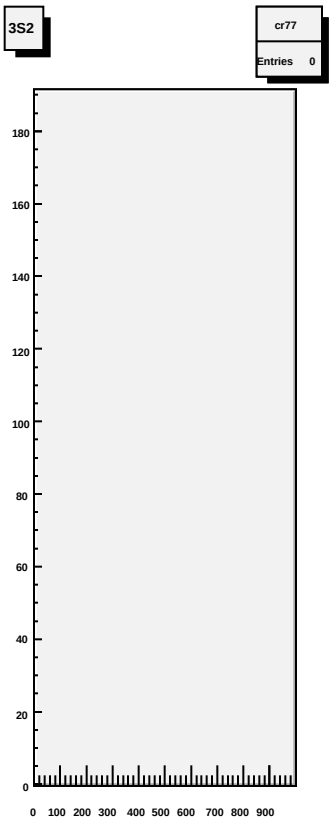

2S1
cr72
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

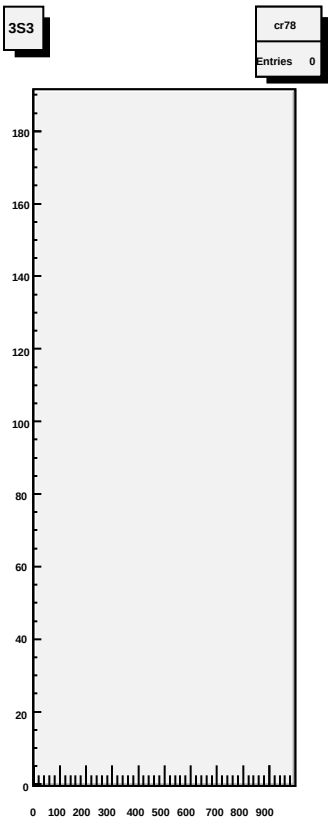

2S2
cr73
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

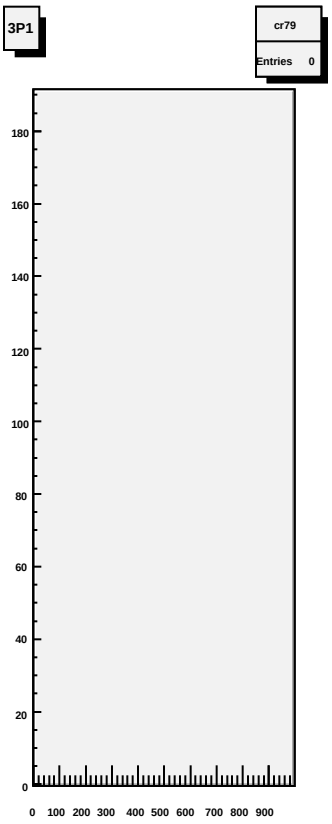

2S3
cr74
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

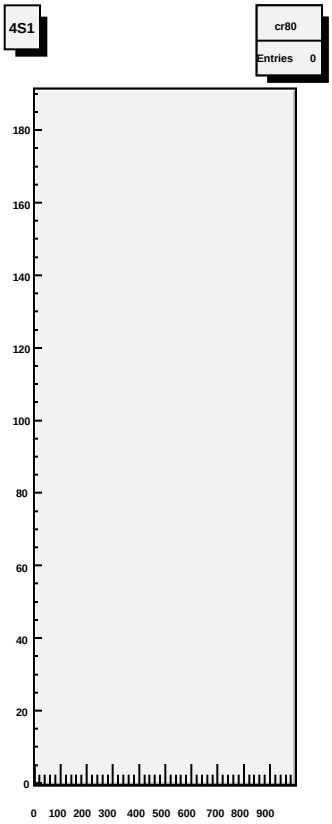

2P1
cr75
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

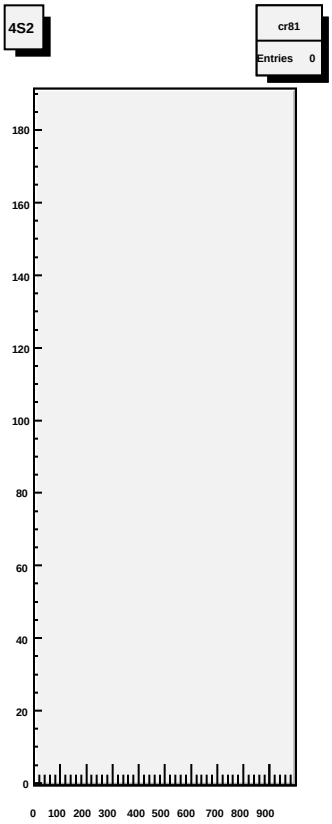

3S1
cr76
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

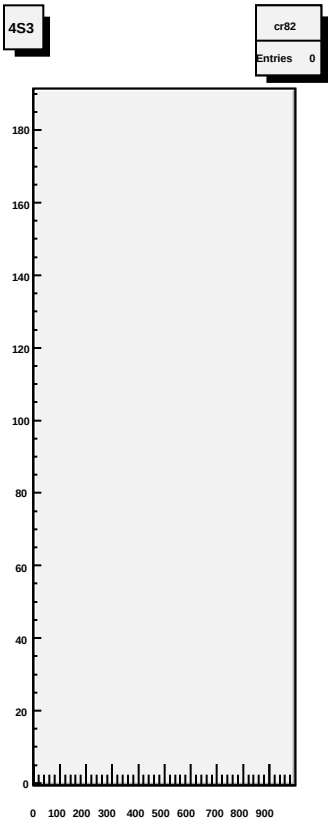

3S2
cr77
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

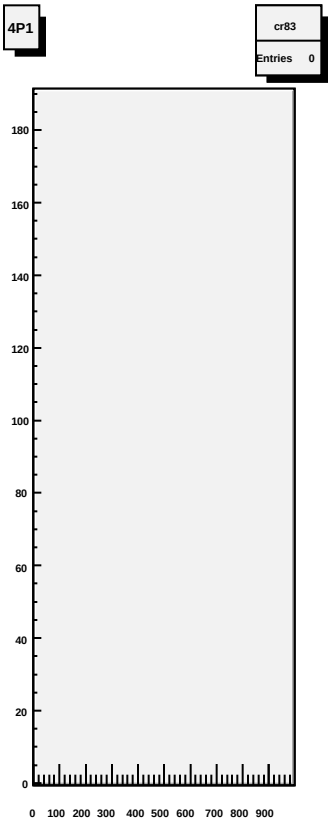

3S3
cr78
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

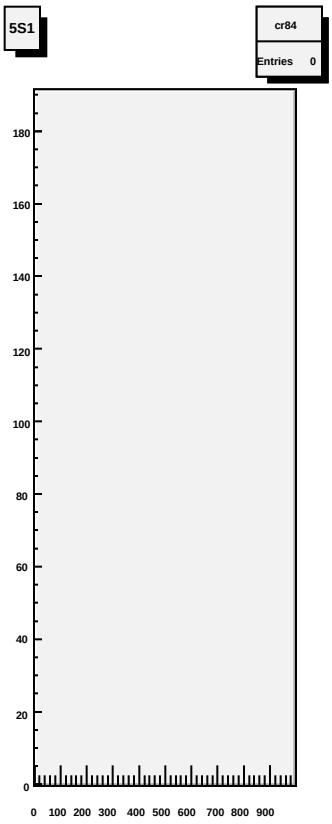

3P1
cr79
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

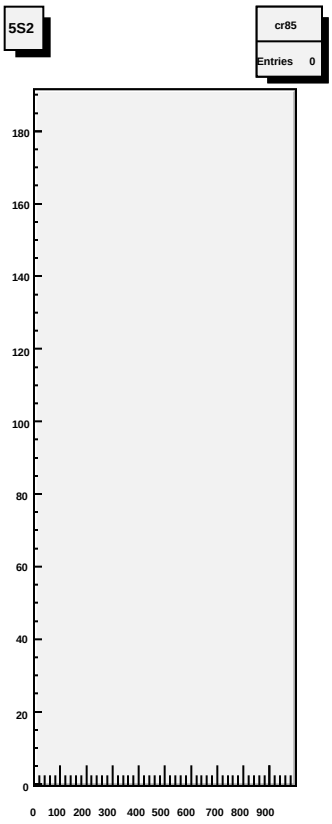

4S1
cr80
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

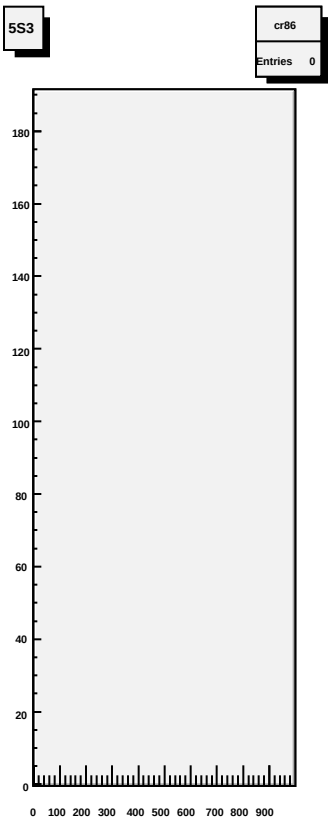

4S2
cr81
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

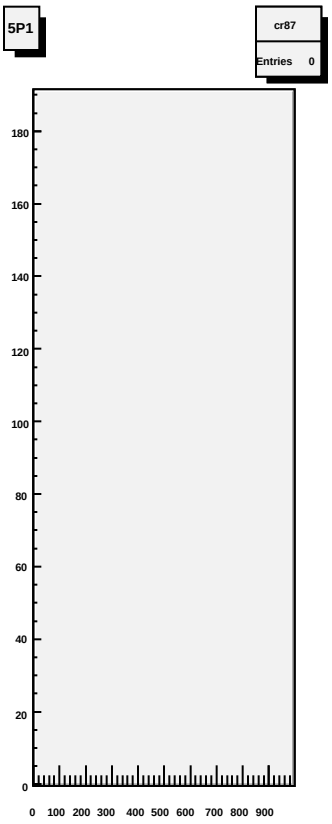

4S3
cr82
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

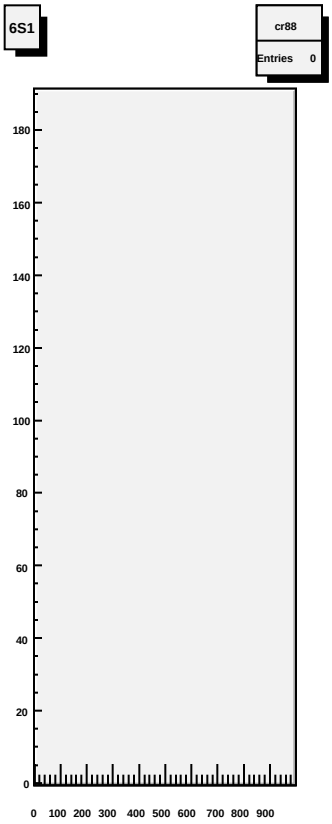

4P1
cr83
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

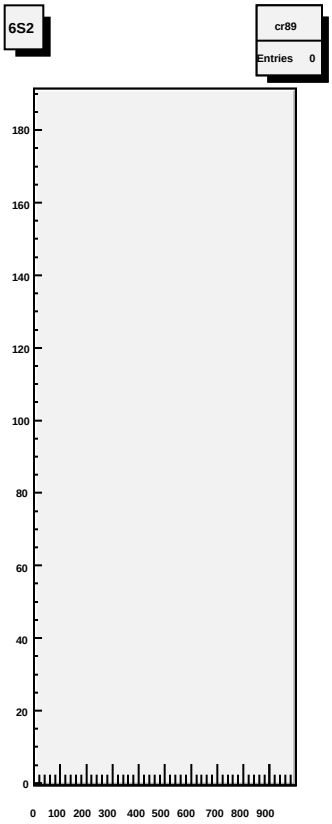

5S1
cr84
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

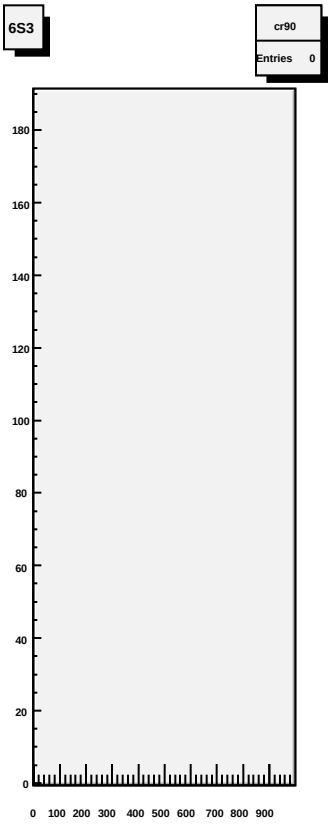

5S2
cr85
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

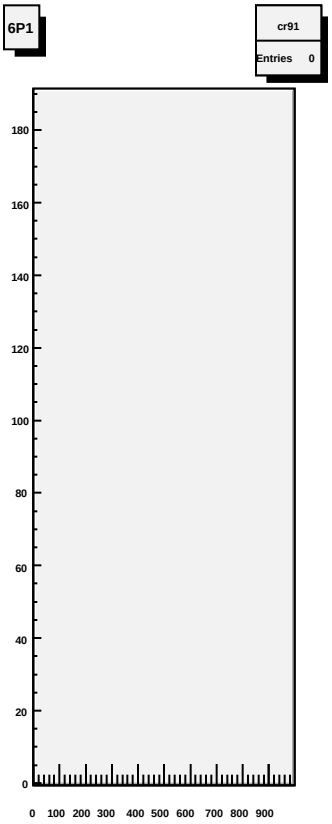

5S3
cr86
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

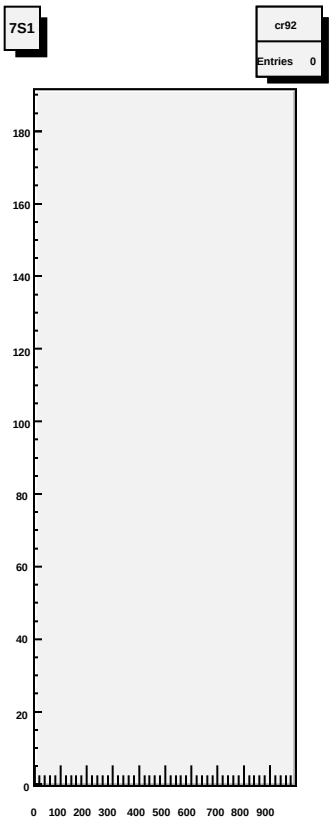

5P1
cr87
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

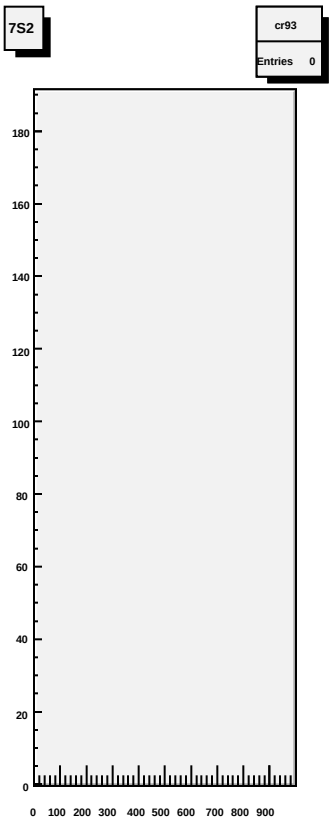

6S1
cr88
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

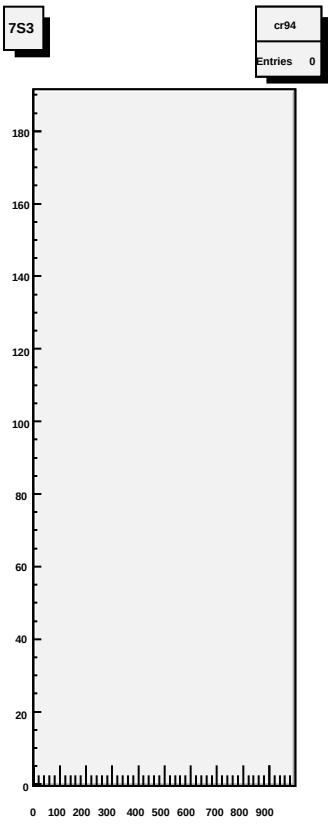

6S2
cr89
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

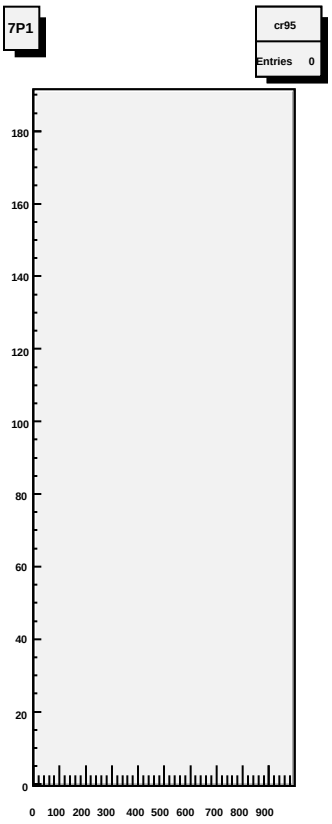

6S3
cr90
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

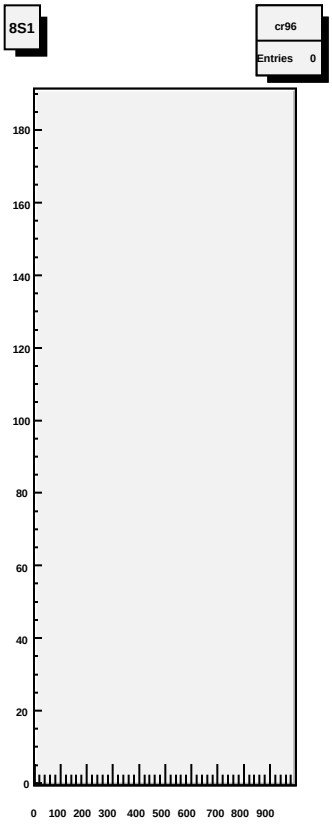

6P1
cr91
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

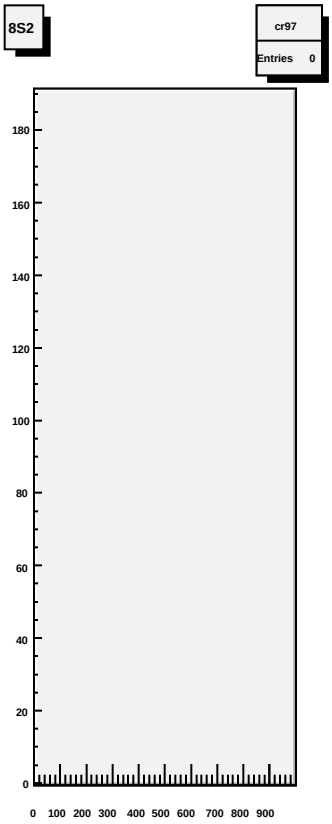

7S1
cr92
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

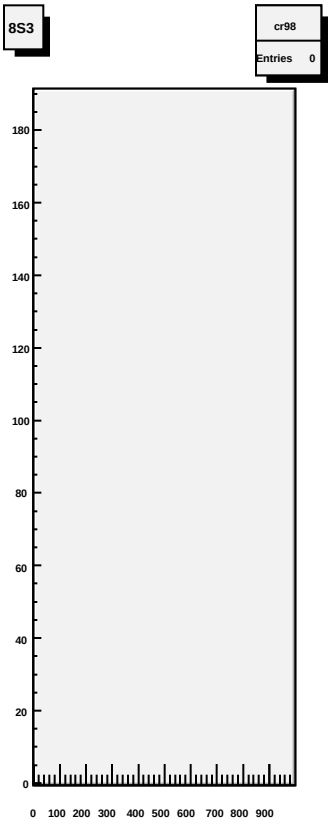

7S2
cr93
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

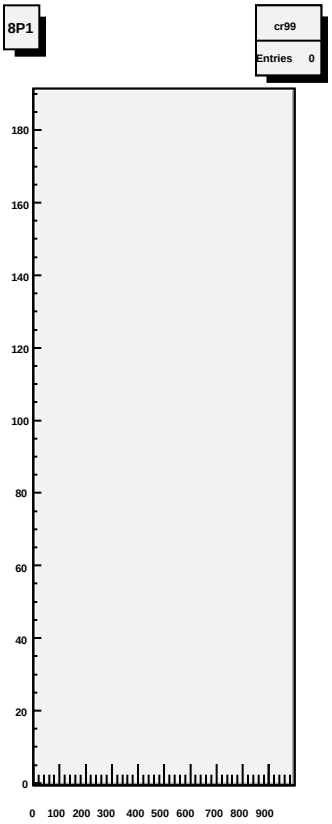

7S3
cr94
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

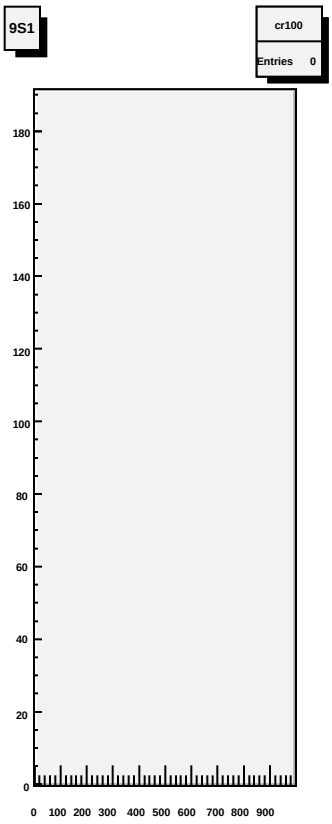

7P1
cr95
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

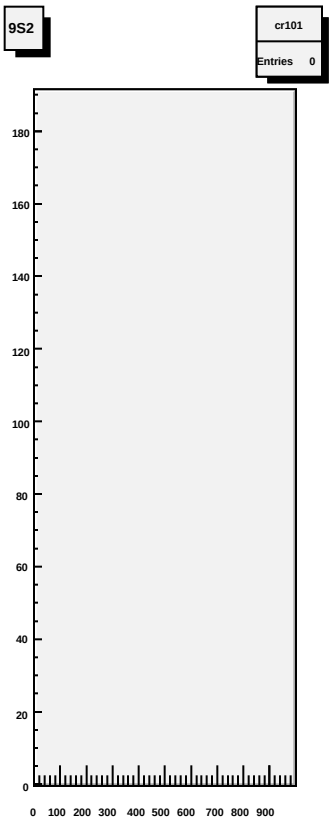

8S1
cr96
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

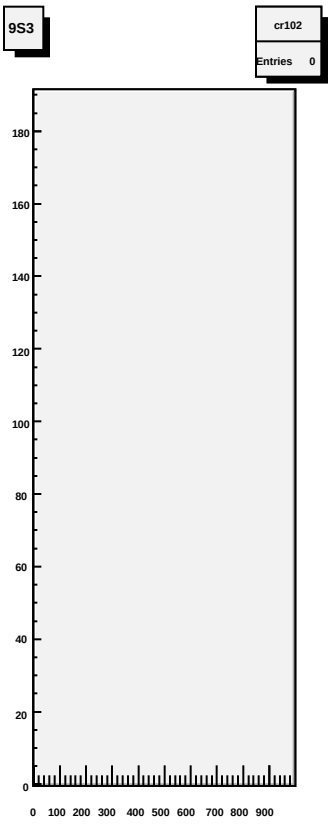

8S2
cr97
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

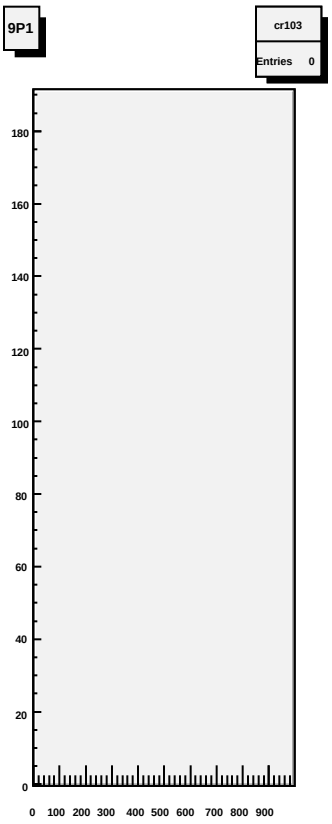

8S3
cr98
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

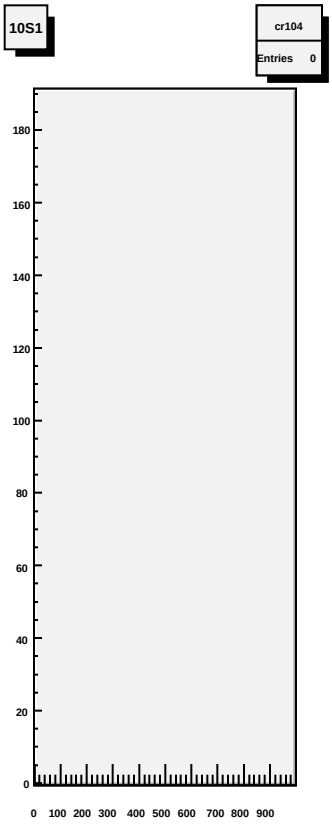

8P1
cr99
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

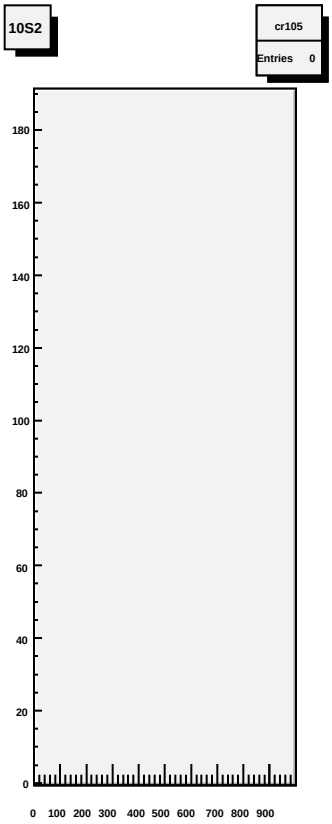

9S1
cr100
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

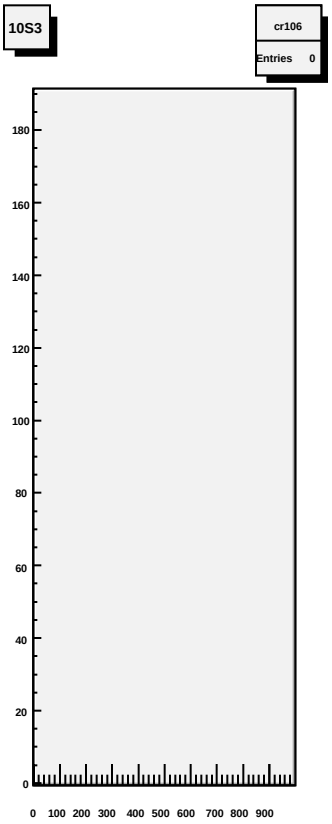

9S2
cr101
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

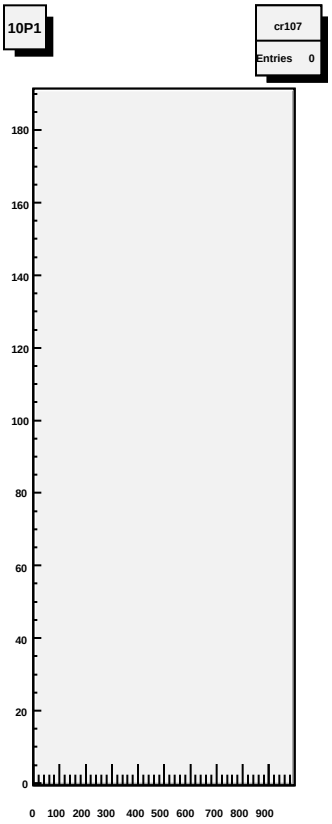

9S3
cr102
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

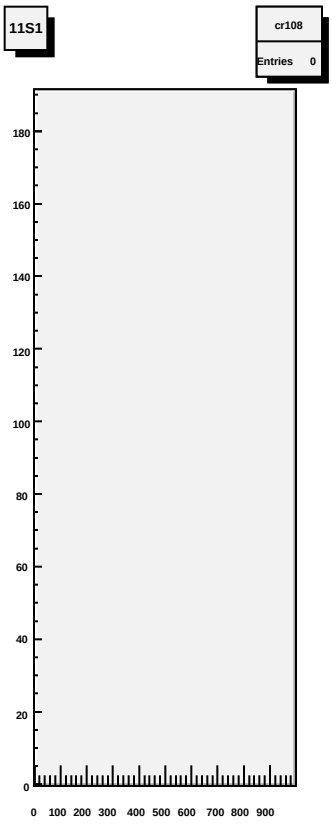

9P1
cr103
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

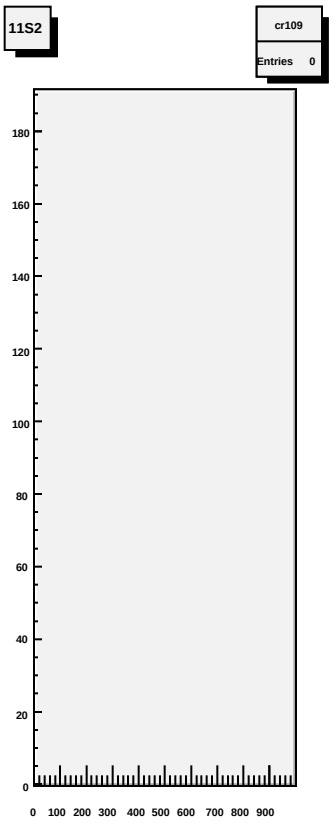

10S1
cr104
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

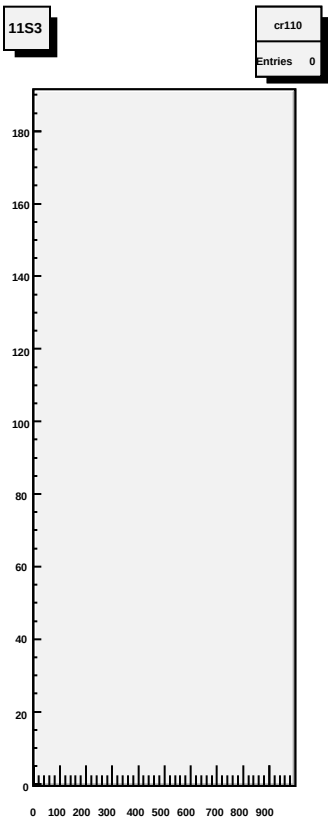

10S2
cr105
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

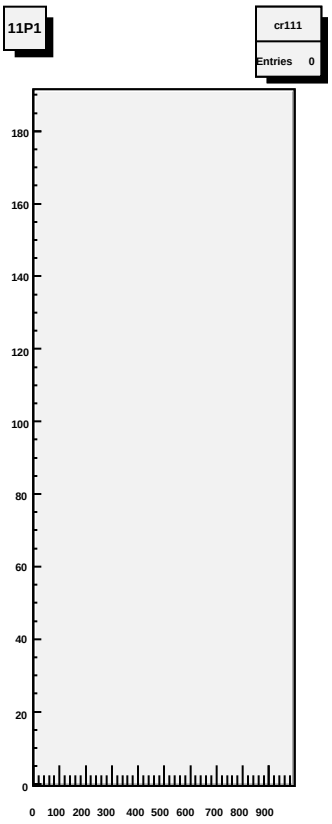

10S3
cr106
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

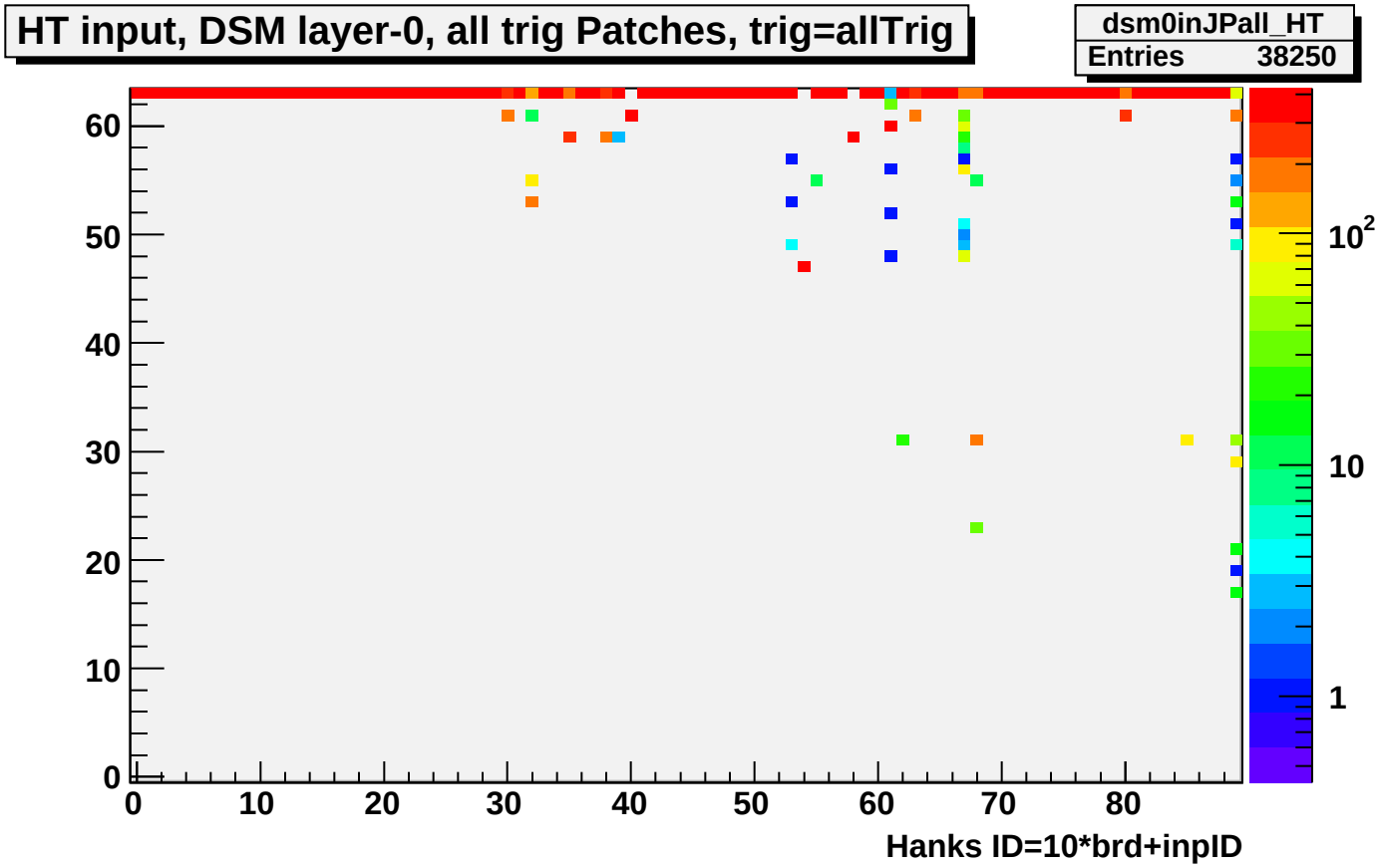

10P1
cr107
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

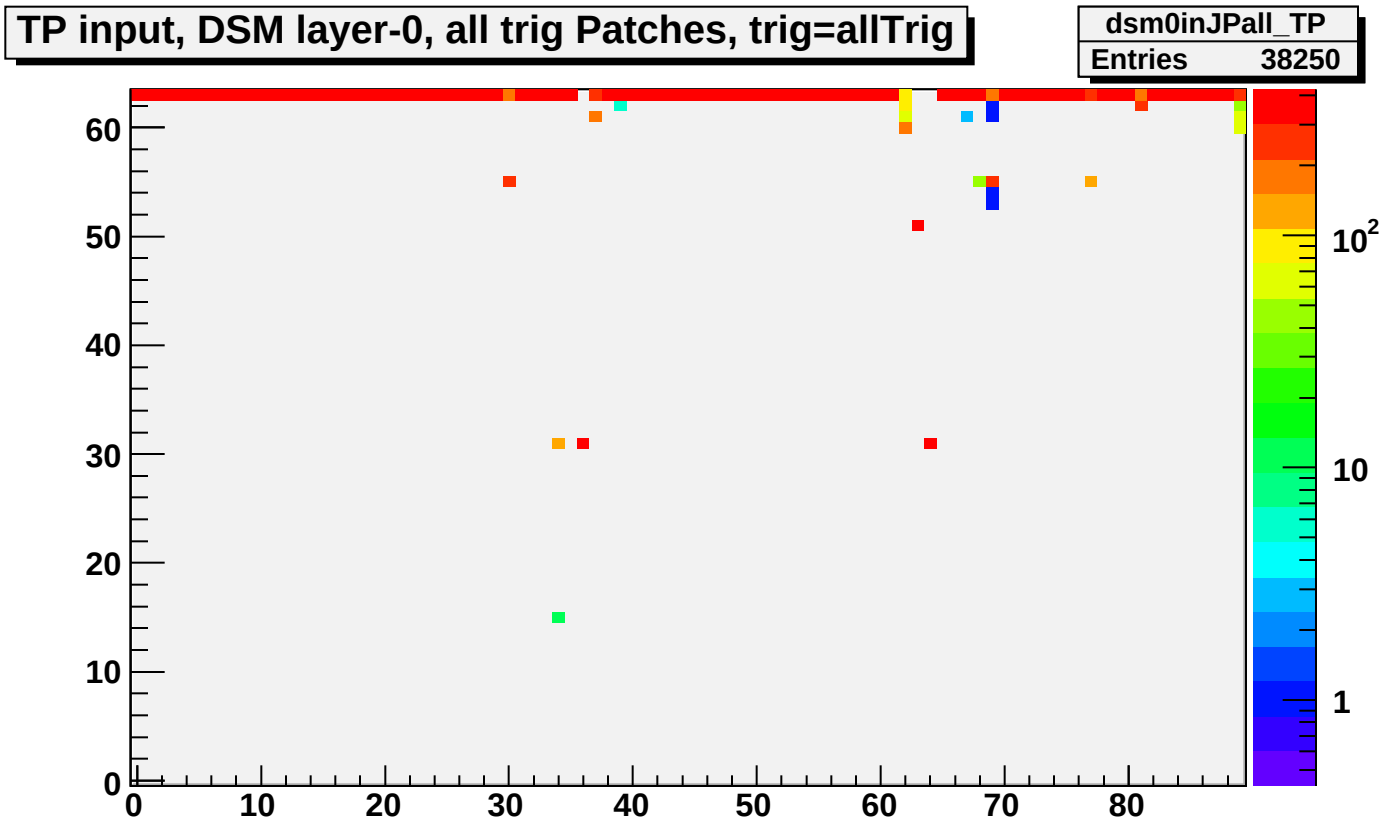

11S1
cr108
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

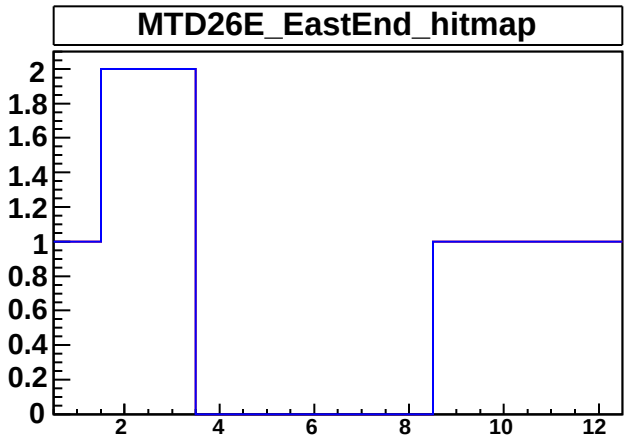

11S2
cr109
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

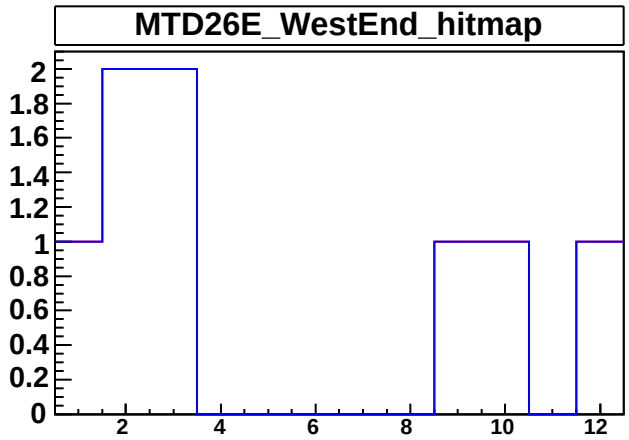

11S3
cr110
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

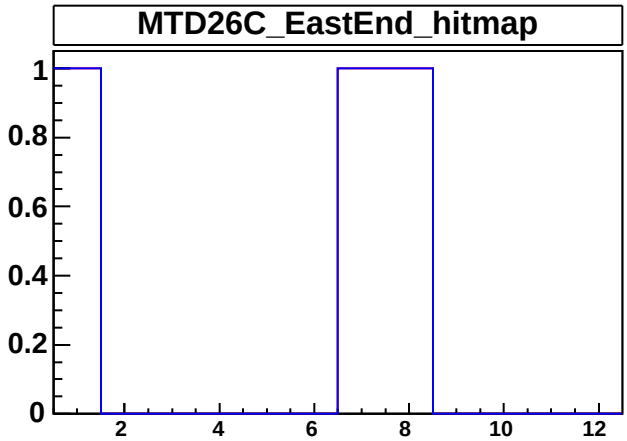

11P1
cr111
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

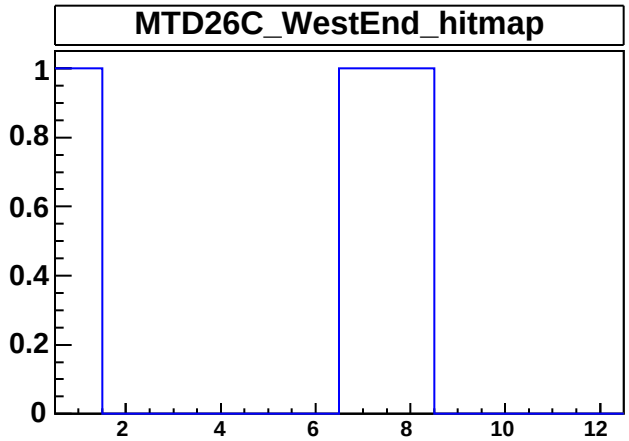

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 38250
Hanks ID=10*brd+inpID

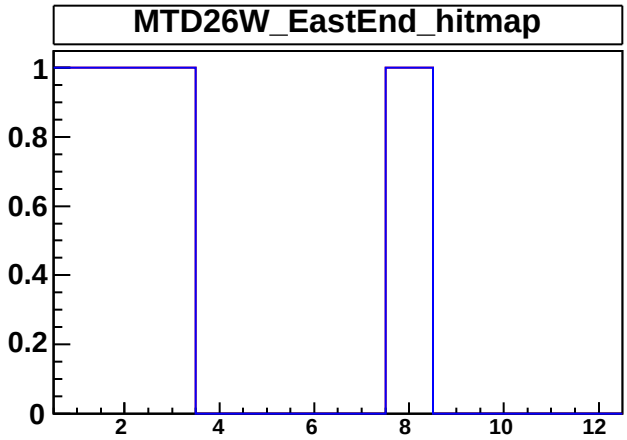

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 38250

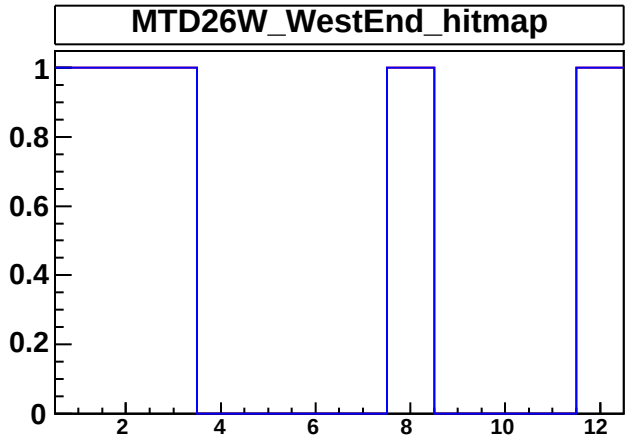

MTD26E_EastEnd_hitmap

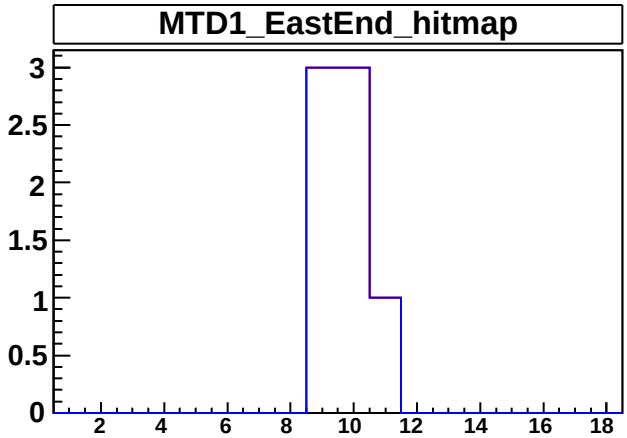

MTD26E_WestEnd_hitmap

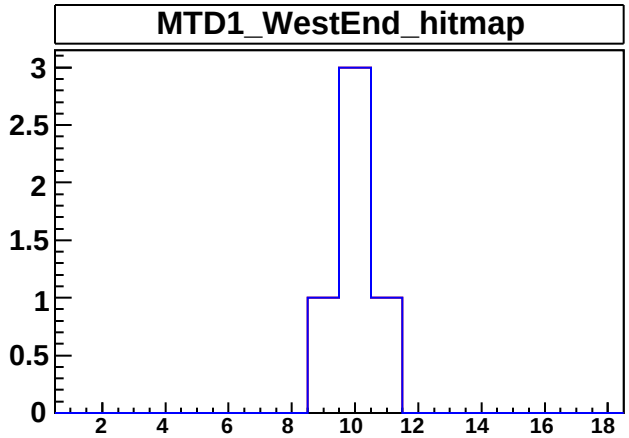

MTD26C_EastEnd_hitmap

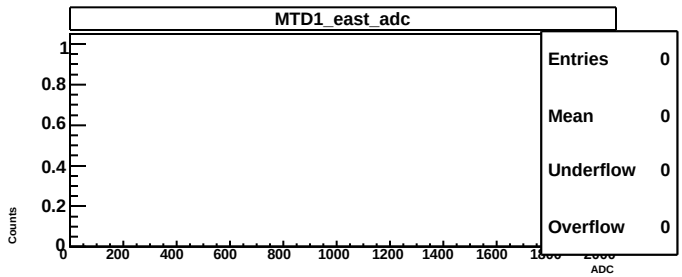

MTD26C_WestEnd_hitmap

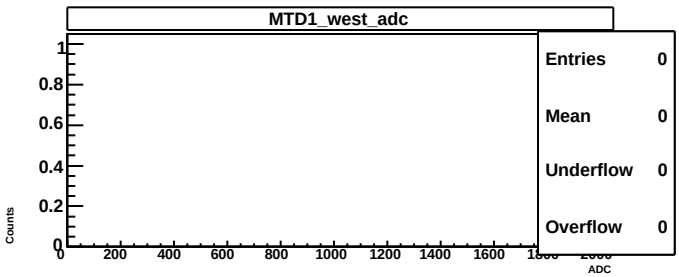

MTD26W_EastEnd_hitmap

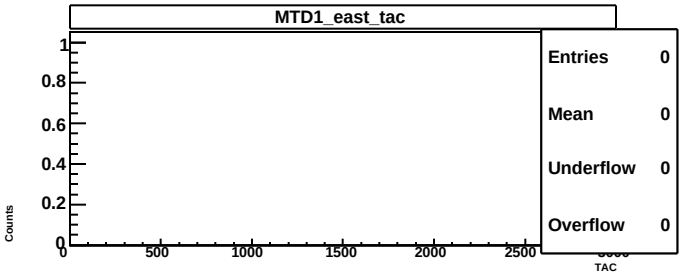

MTD26W_WestEnd_hitmap

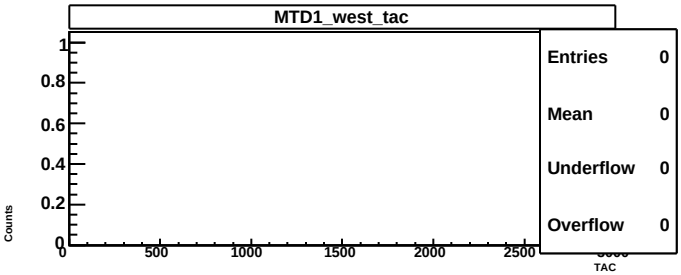

MTD1_EastEnd_hitmap

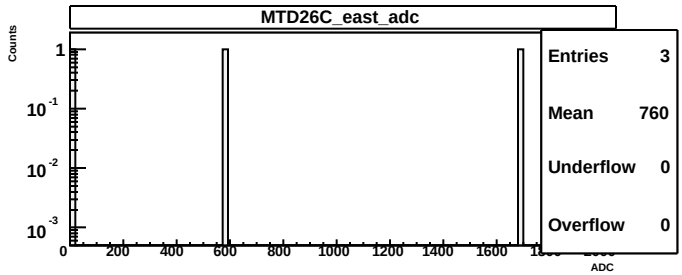

MTD1_WestEnd_hitmap

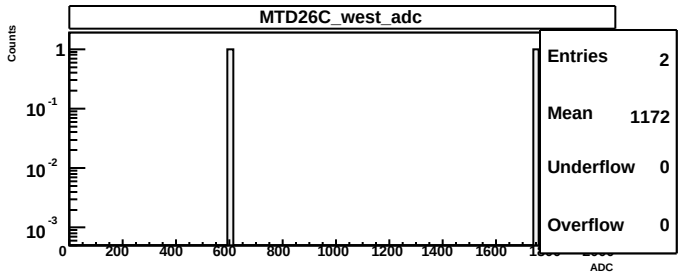

MTD1_east_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC

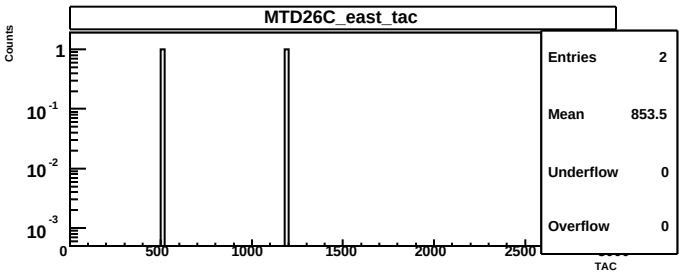

MTD1_west_adc
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
ADC

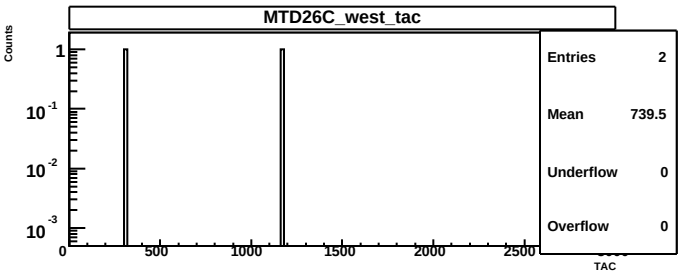

MTD1_east_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC

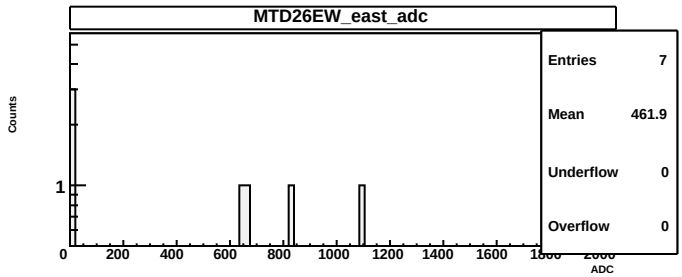

MTD1_west_tac
Entries 0
Mean 0
Underflow 0
Overflow 0
Counts
TAC

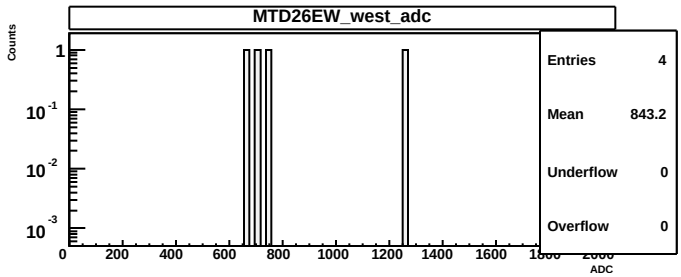

MTD26C_east_adc
Entries 3
Mean 760
Underflow 0
Overflow 0
Counts
ADC

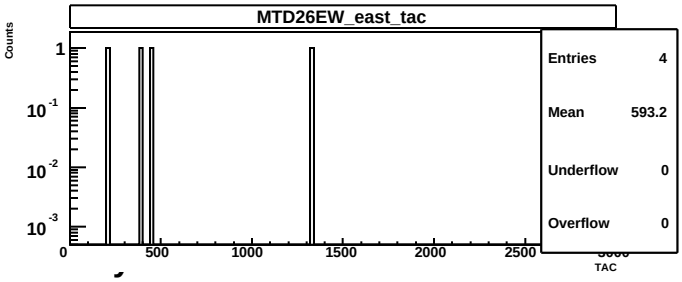

MTD26C_west_adc
Entries 2
Mean 1172
Underflow 0
Overflow 0
Counts
ADC

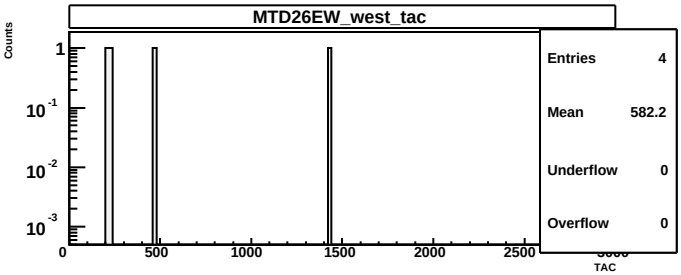

MTD26C_east_tac
Entries 2
Mean 853.5
Underflow 0
Overflow 0
Counts
TAC

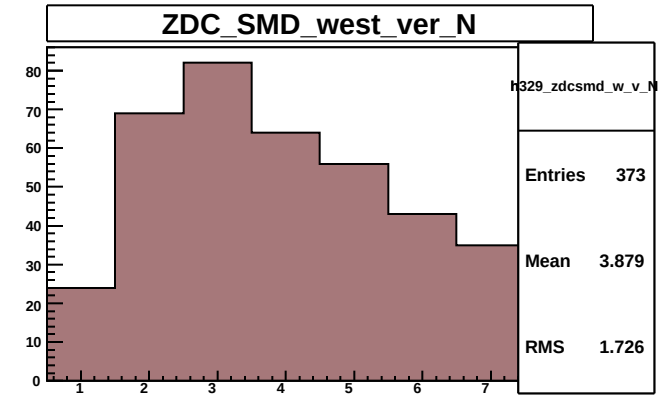

MTD26C_west_tac
Entries 2
Mean 739.5
Underflow 0
Overflow 0
Counts
TAC

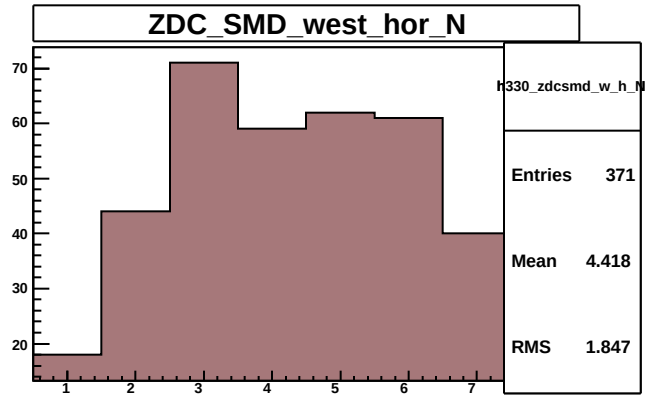

MTD26EW_east_adc
Entries 7
Mean 461.9
Underflow 0
Overflow 0
Counts
ADC

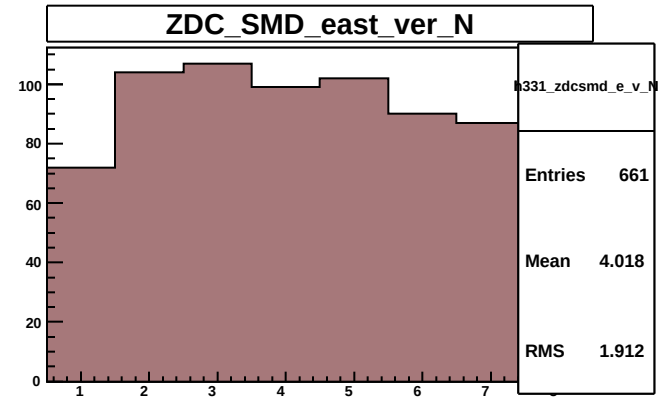

MTD26EW_west_adc
Entries 4
Mean 843.2
Underflow 0
Overflow 0
Counts
ADC

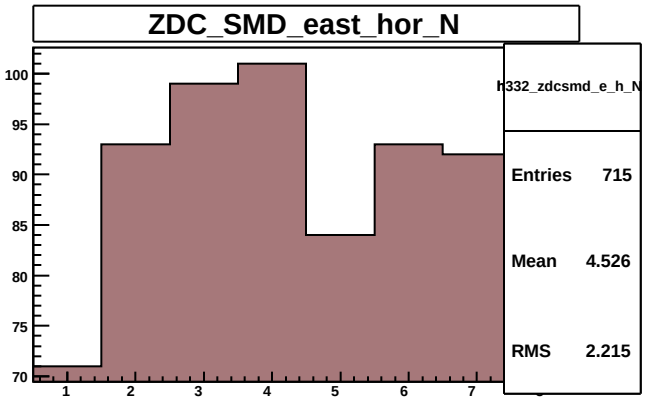

MTD26EW_east_tac
Entries 4
Mean 593.2
Underflow 0
Overflow 0
Counts
TAC

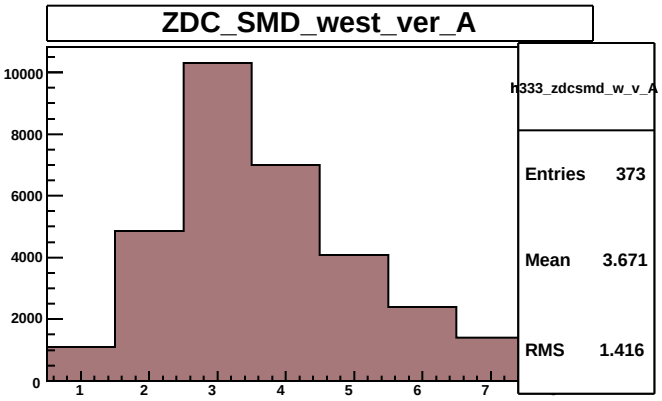

MTD26EW_west_tac
Entries 4
Mean 582.2
Underflow 0
Overflow 0
Counts
TAC

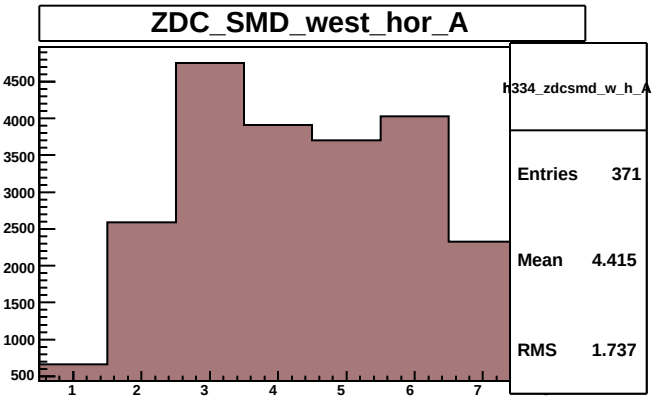

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 373
Mean 3.879
RMS 1.726

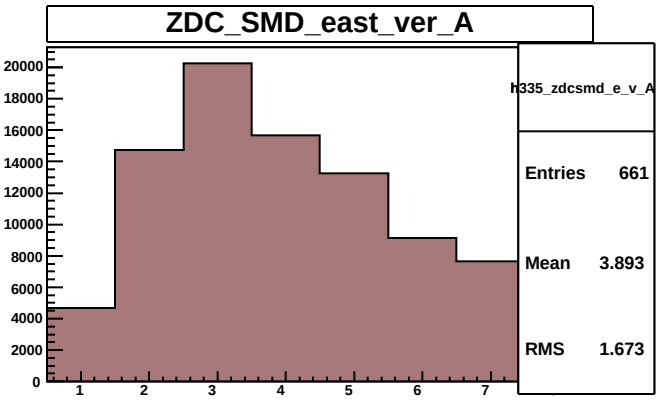

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 371
Mean 4.418
RMS 1.847

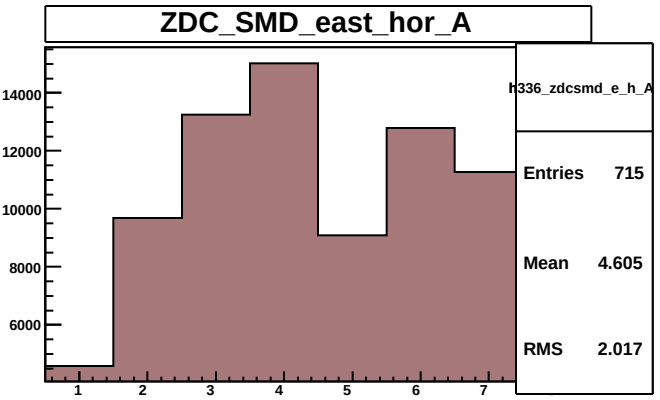

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 661
Mean 4.018
RMS 1.912

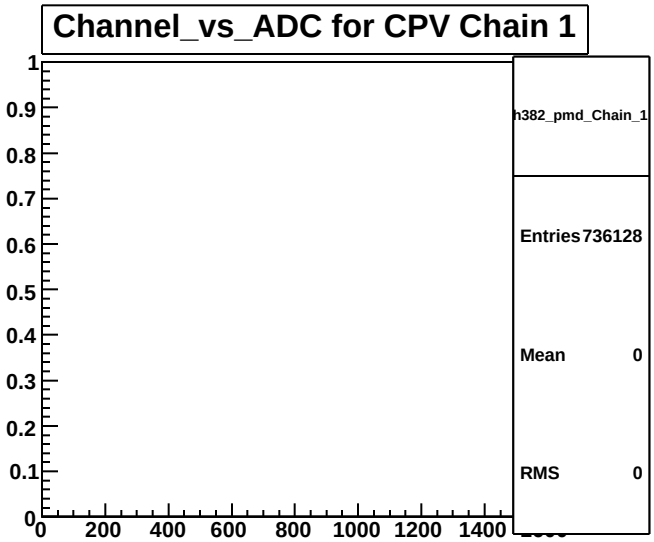

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 715
Mean 4.526
RMS 2.215

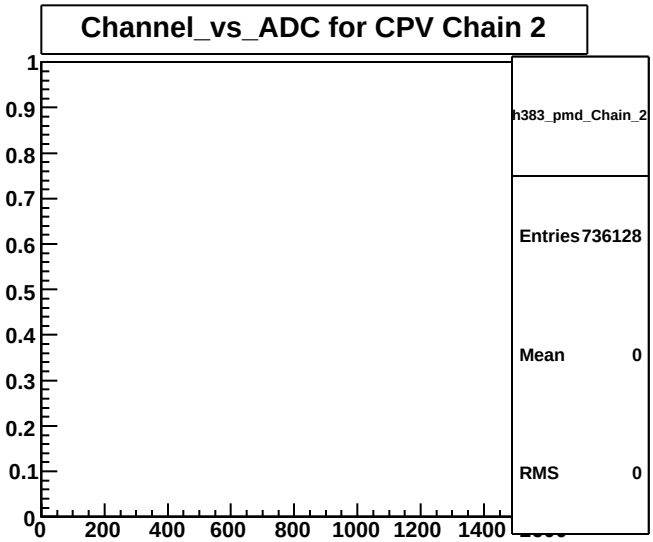

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 373
Mean 3.671
RMS 1.416

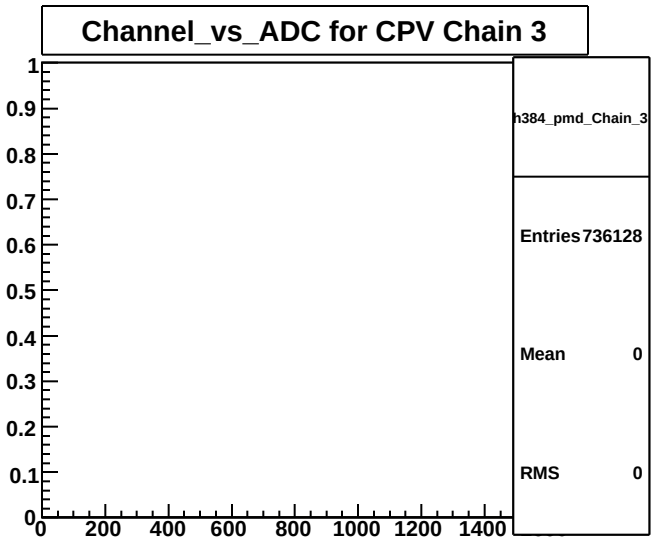

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 371
Mean 4.415
RMS 1.737

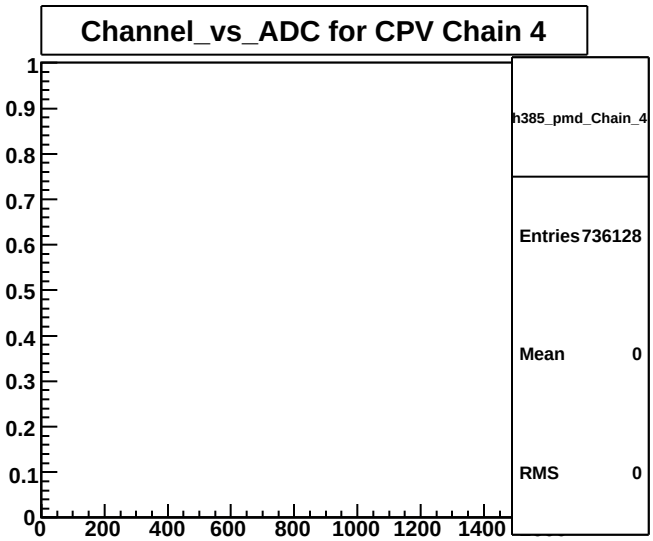

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 661
Mean 3.893
RMS 1.673

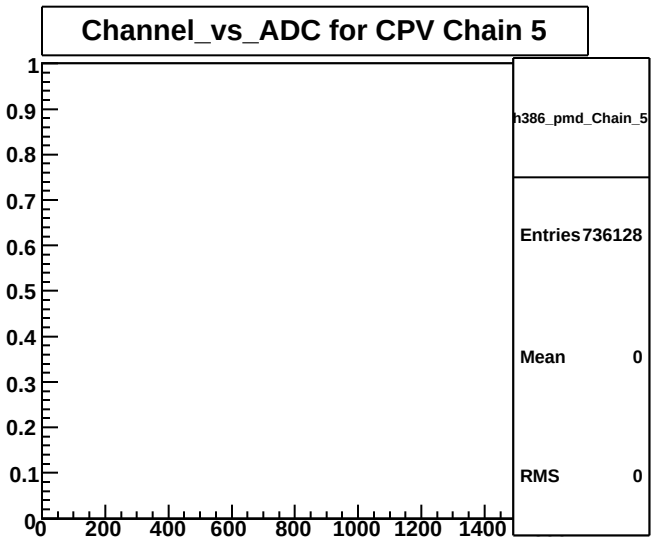

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 715
Mean 4.605
RMS 2.017

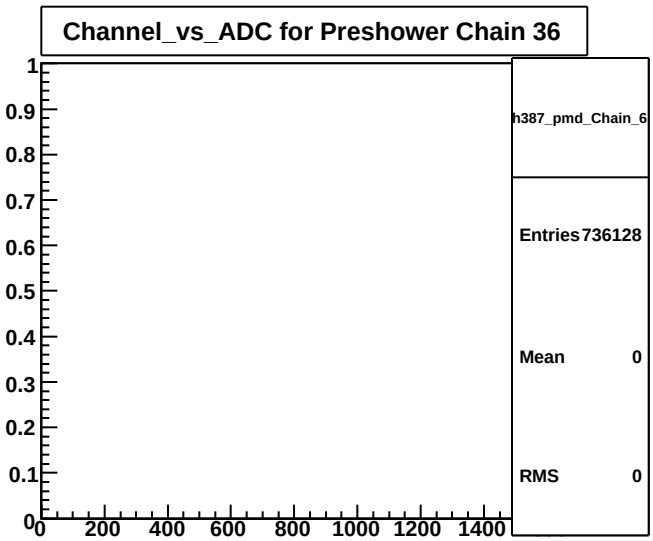

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 736128
Mean 0
RMS 0

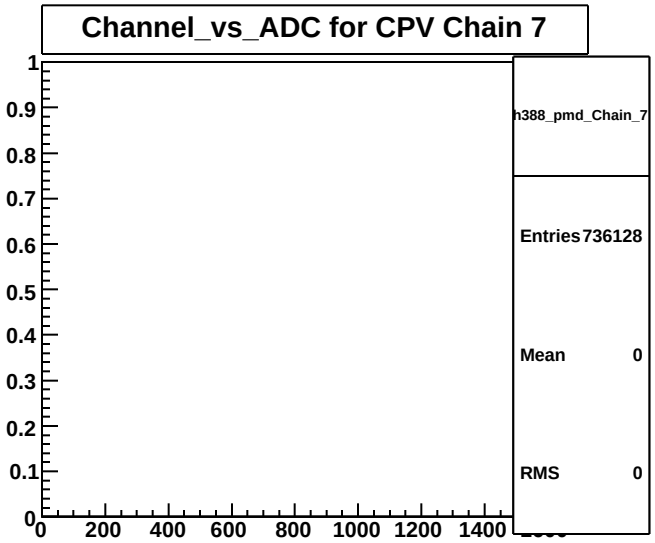

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 736128
Mean 0
RMS 0

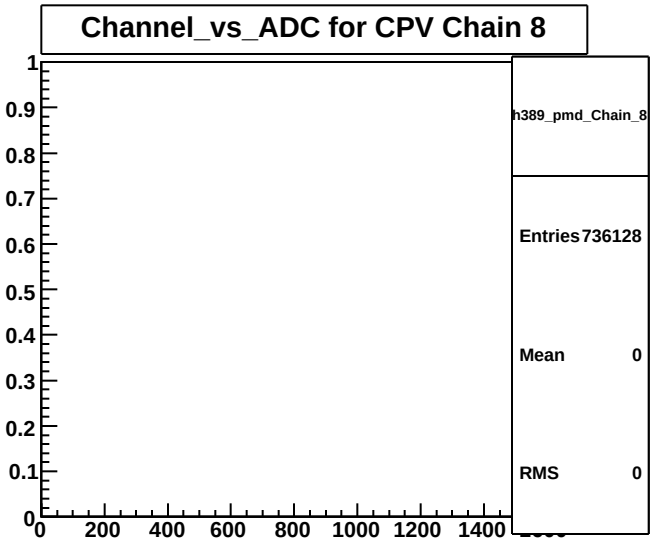

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 736128
Mean 0
RMS 0

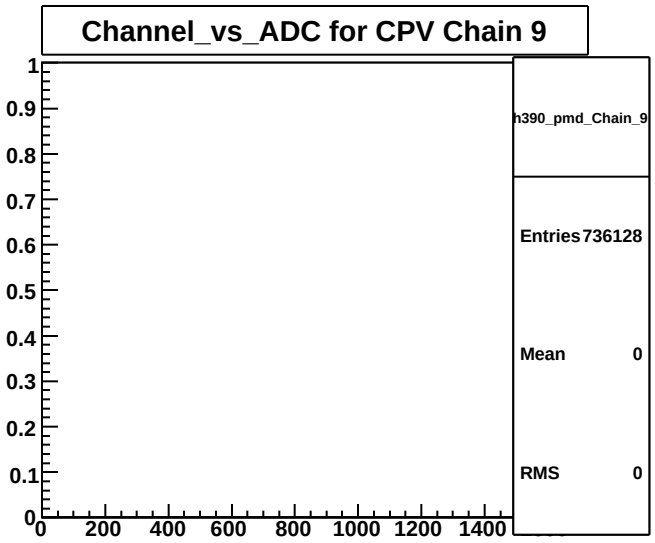

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 736128
Mean 0
RMS 0

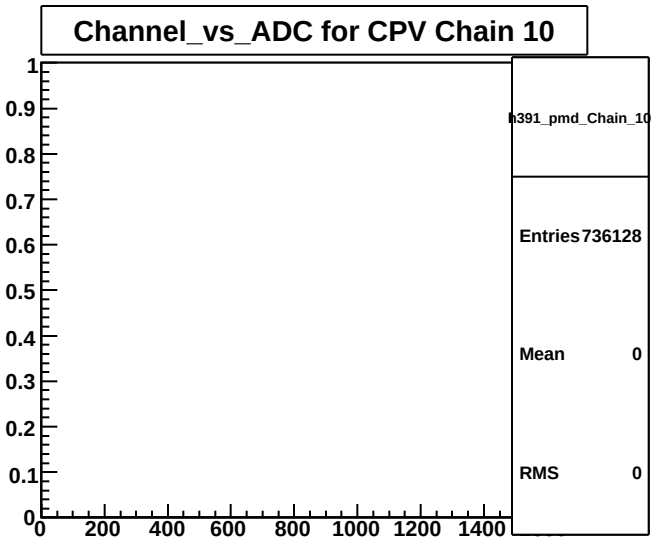

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 736128
Mean 0
RMS 0

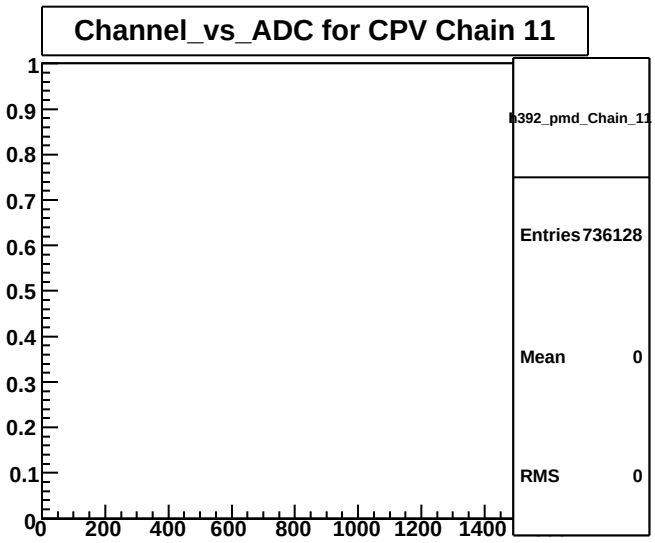

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 736128
Mean 0
RMS 0

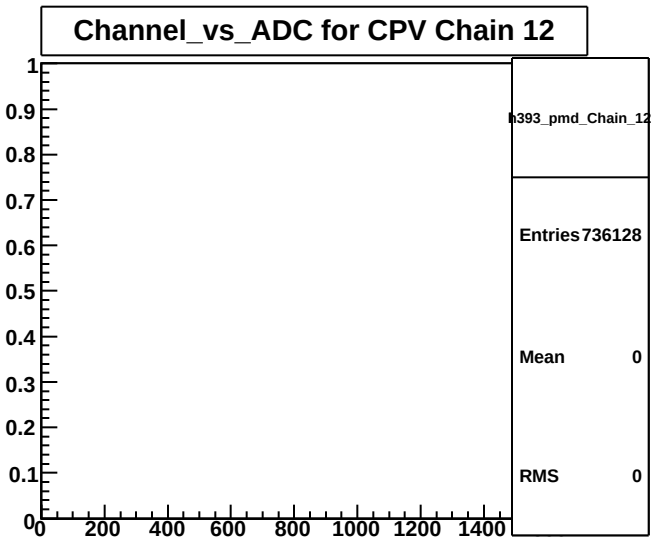

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 736128
Mean 0
RMS 0

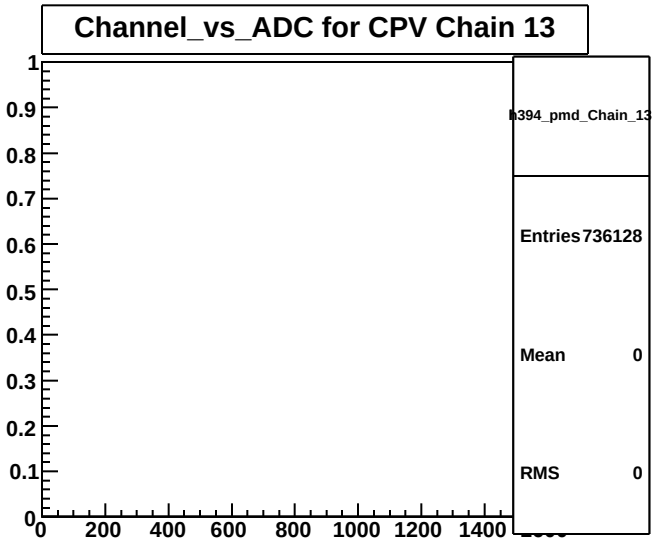

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 736128
Mean 0
RMS 0

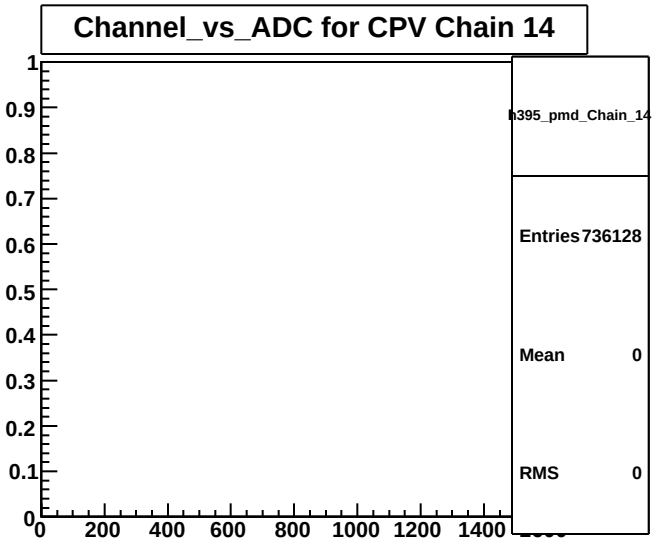

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 736128
Mean 0
RMS 0

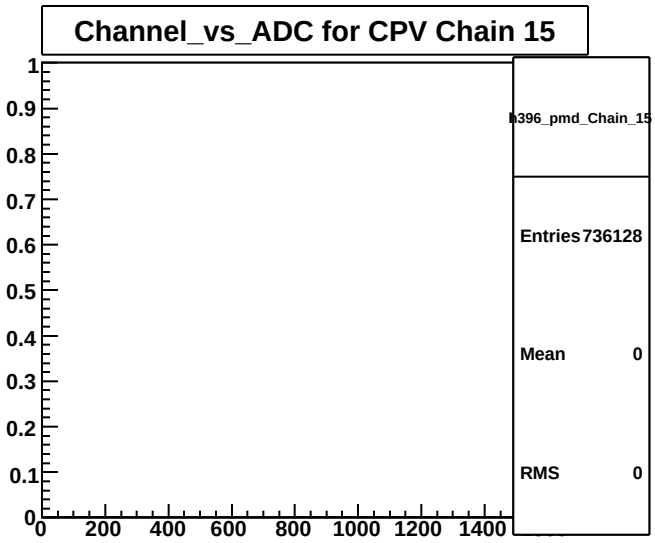

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 736128
Mean 0
RMS 0

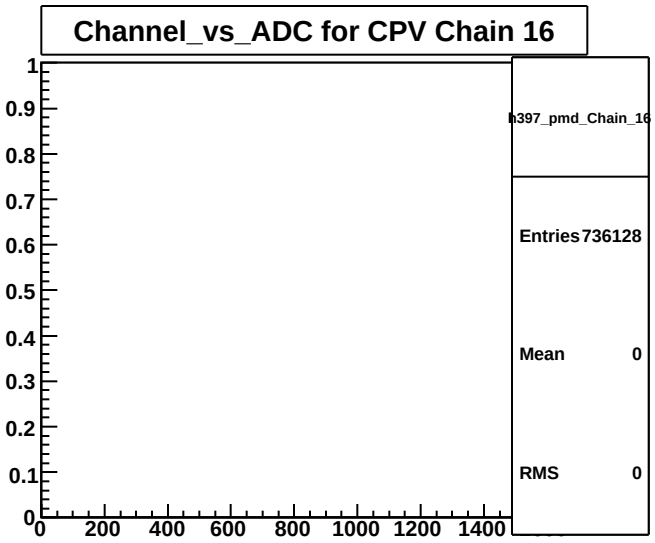

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 736128
Mean 0
RMS 0

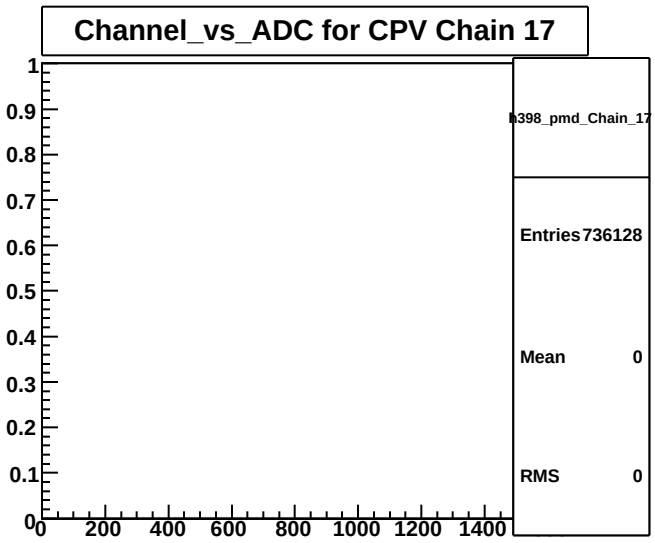

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 736128
Mean 0
RMS 0

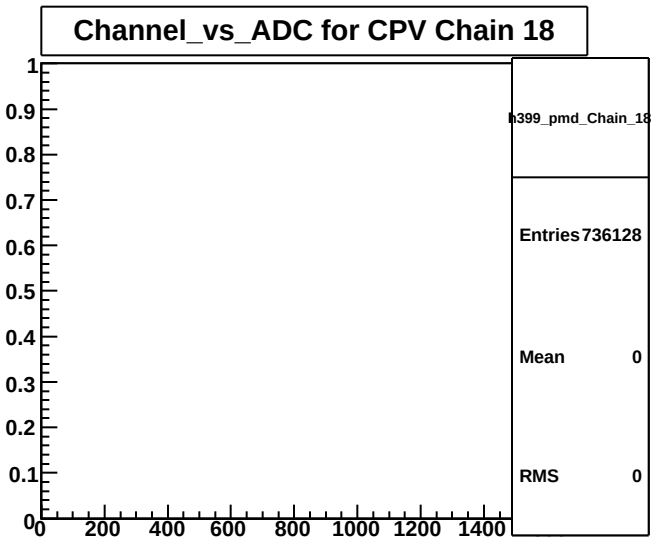

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 736128
Mean 0
RMS 0

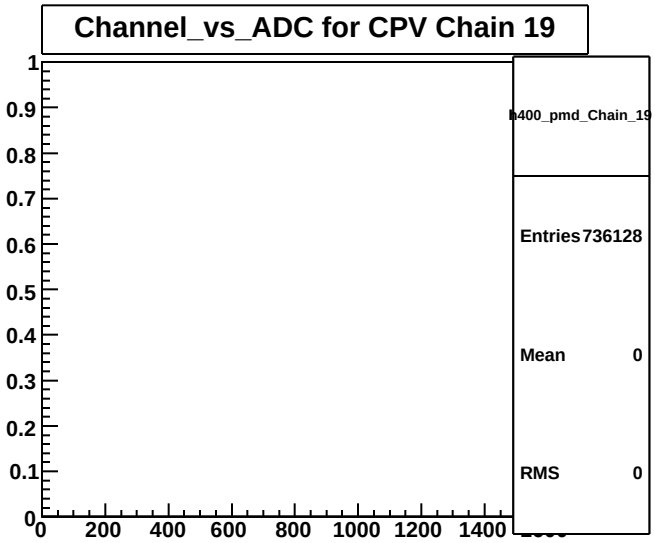

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 736128
Mean 0
RMS 0

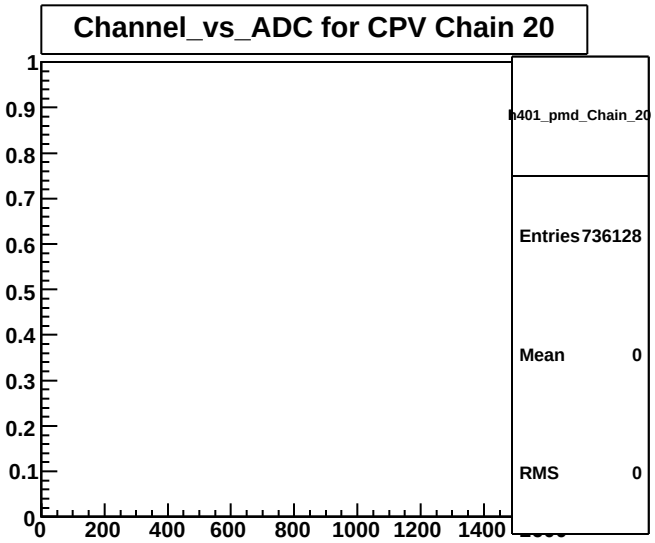

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 736128
Mean 0
RMS 0

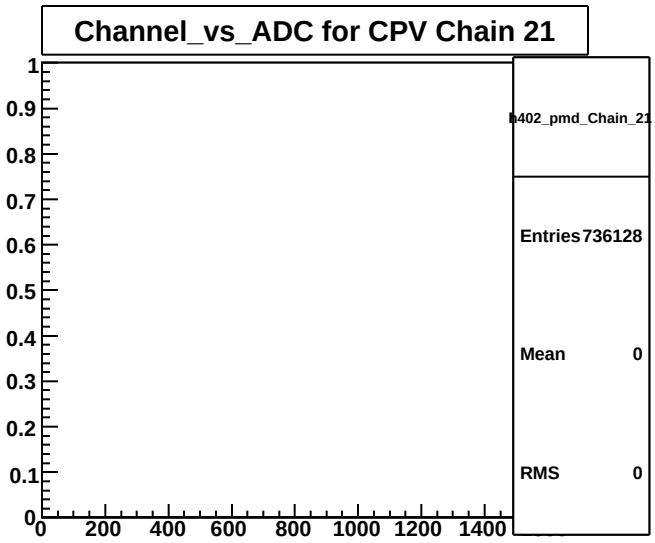

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 736128
Mean 0
RMS 0

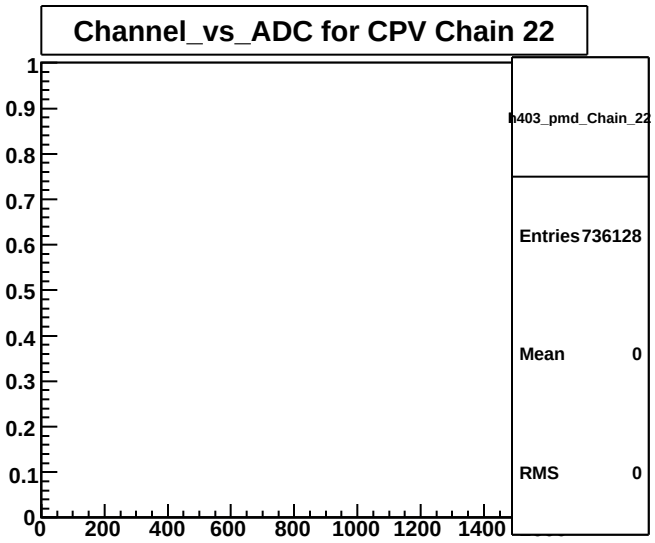

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 736128
Mean 0
RMS 0

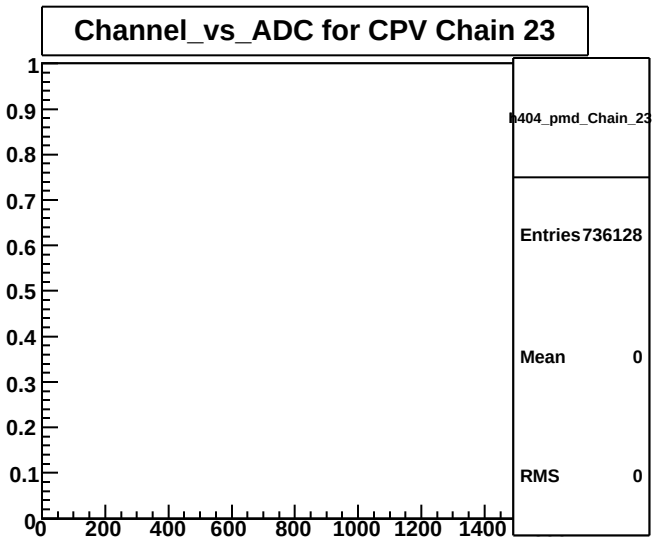

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 736128
Mean 0
RMS 0

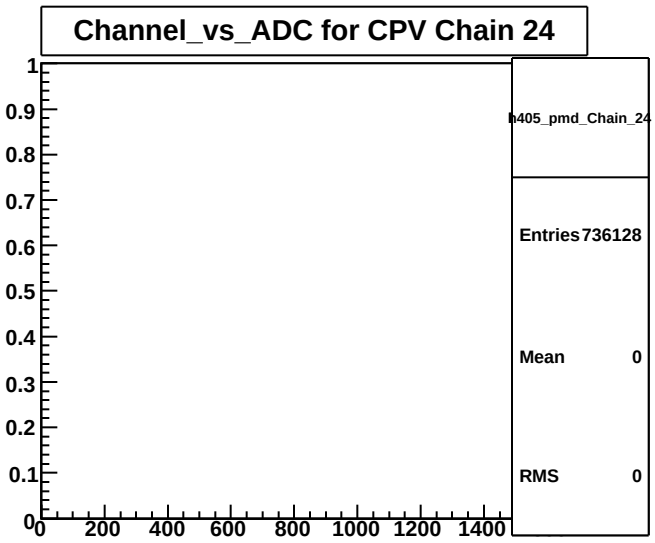

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 736128
Mean 0
RMS 0

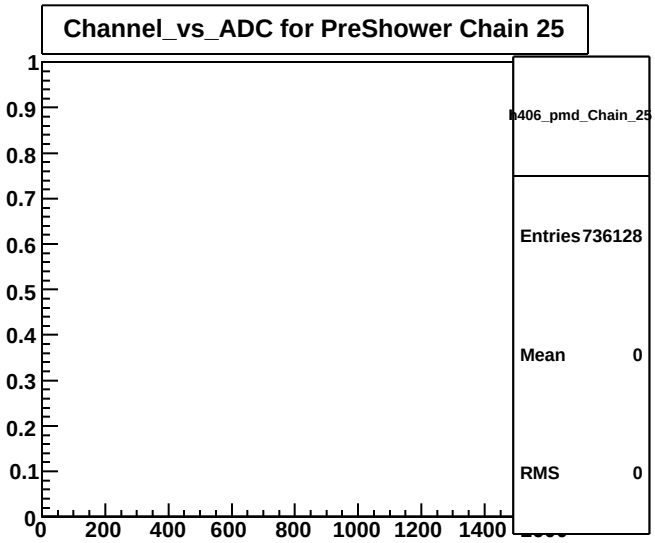

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 736128
Mean 0
RMS 0

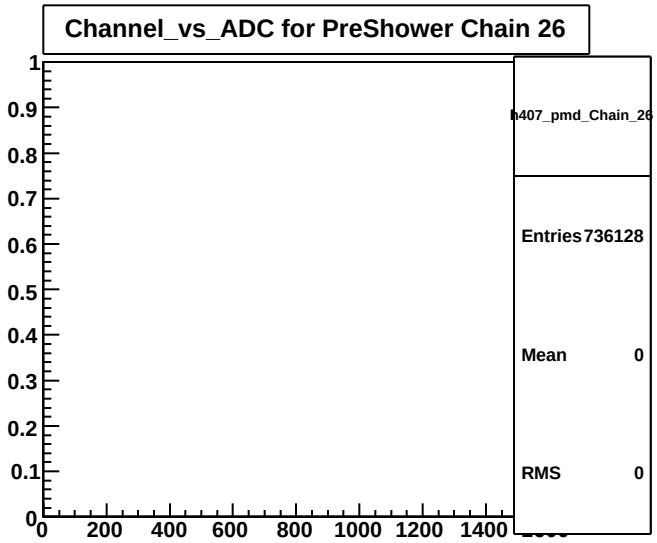

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 736128
Mean 0
RMS 0

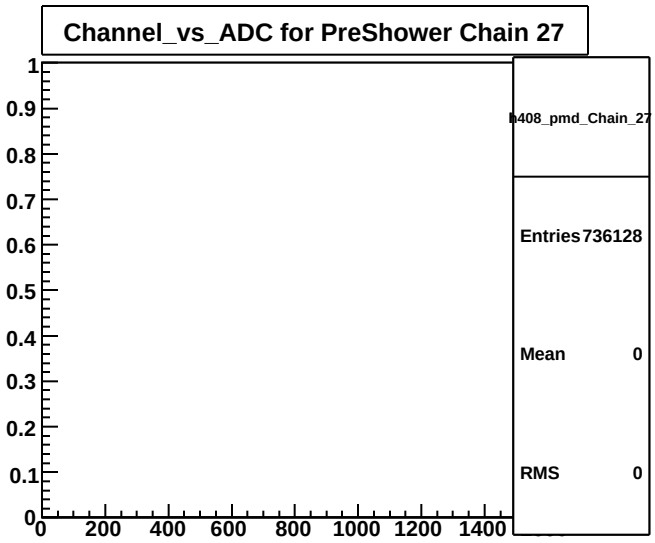

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 736128
Mean 0
RMS 0

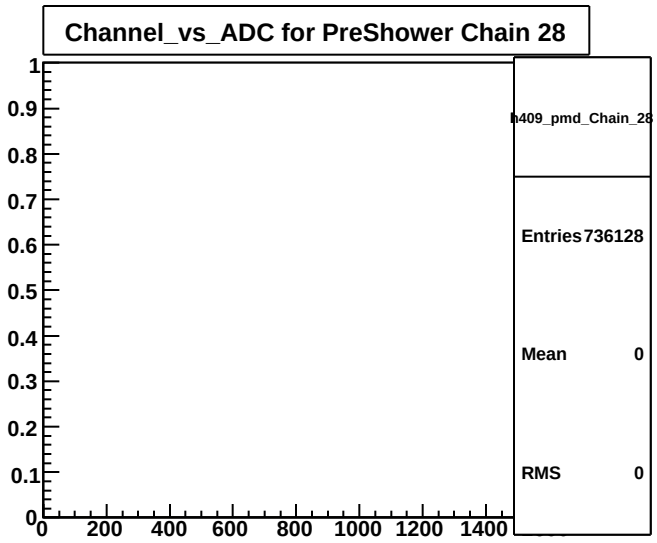

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 736128
Mean 0
RMS 0

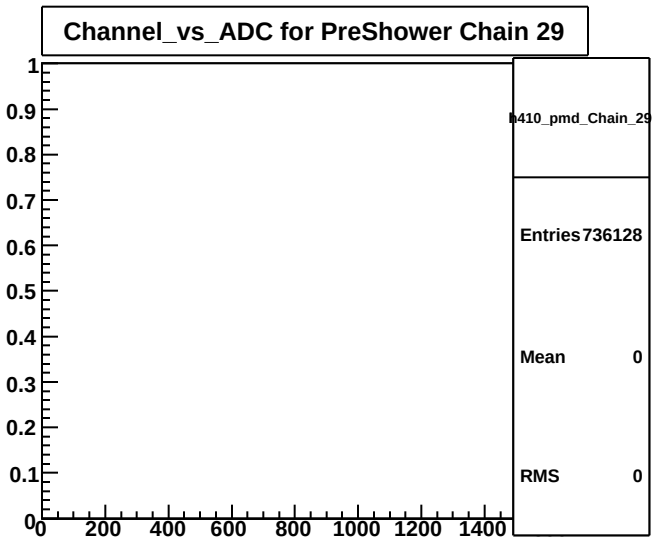

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 736128
Mean 0
RMS 0

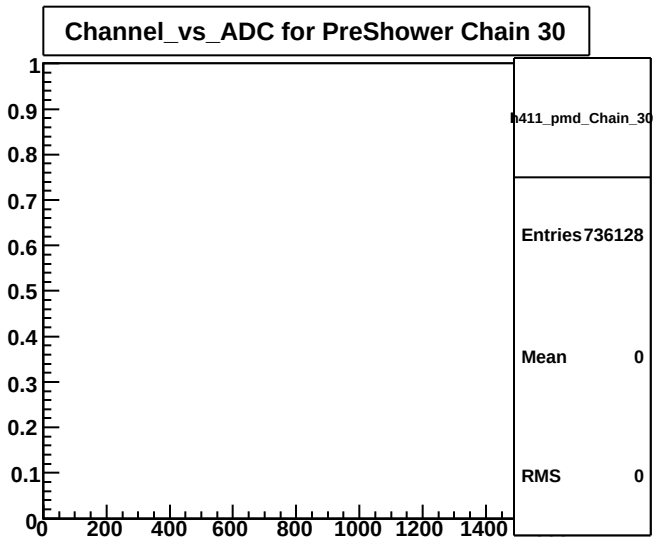

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 736128
Mean 0
RMS 0

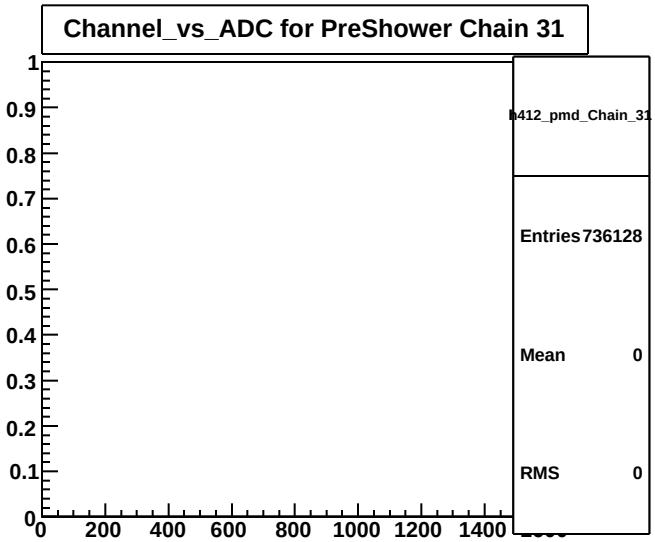

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 736128
Mean 0
RMS 0

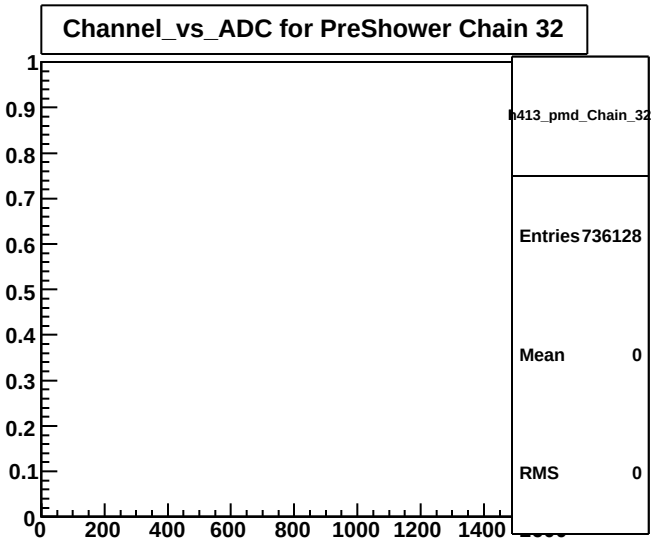

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 736128
Mean 0
RMS 0

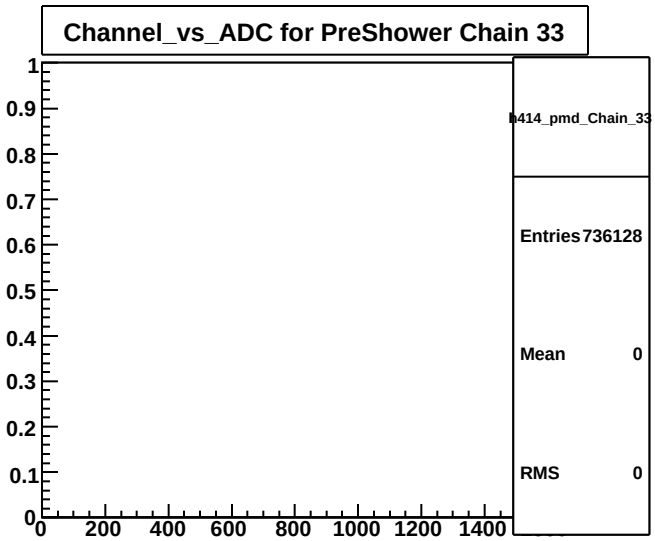

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 736128
Mean 0
RMS 0

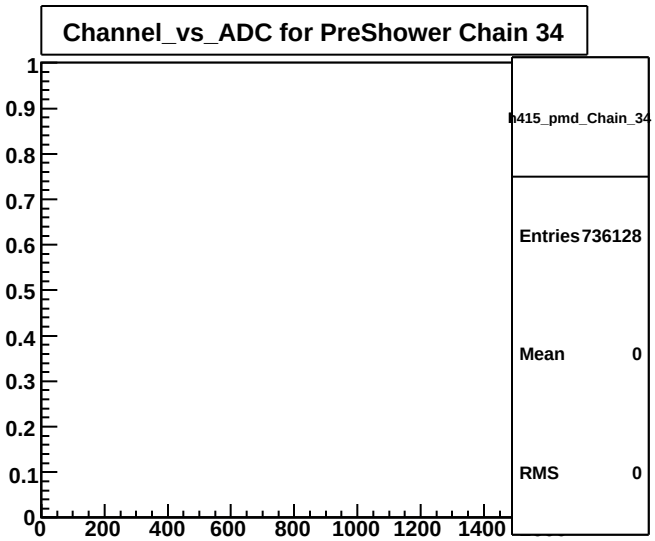

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 736128
Mean 0
RMS 0

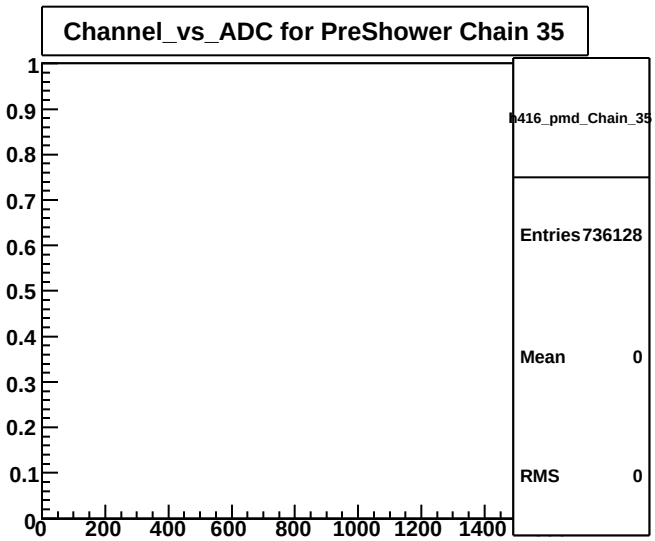

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 736128
Mean 0
RMS 0

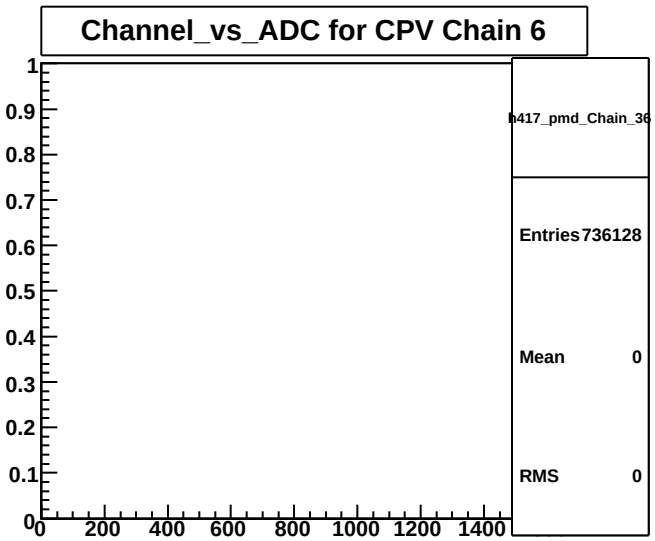

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 736128
Mean 0
RMS 0

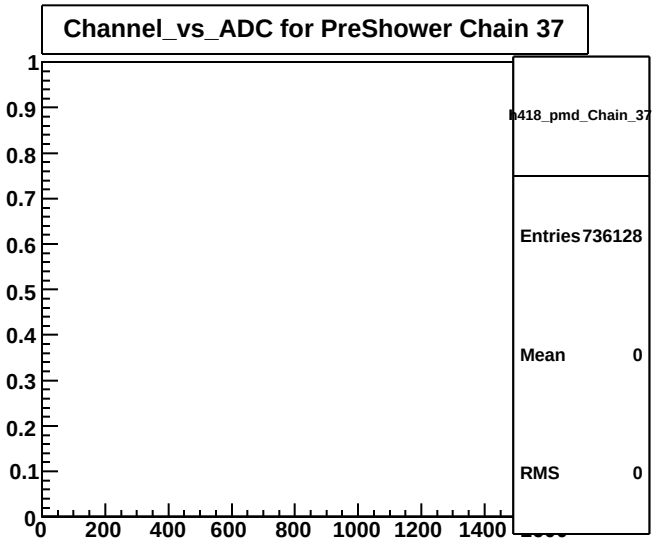

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 736128
Mean 0
RMS 0

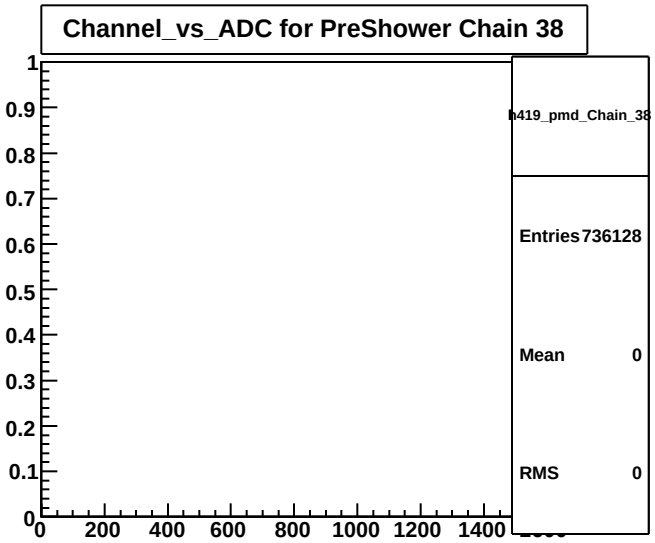

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 736128
Mean 0
RMS 0

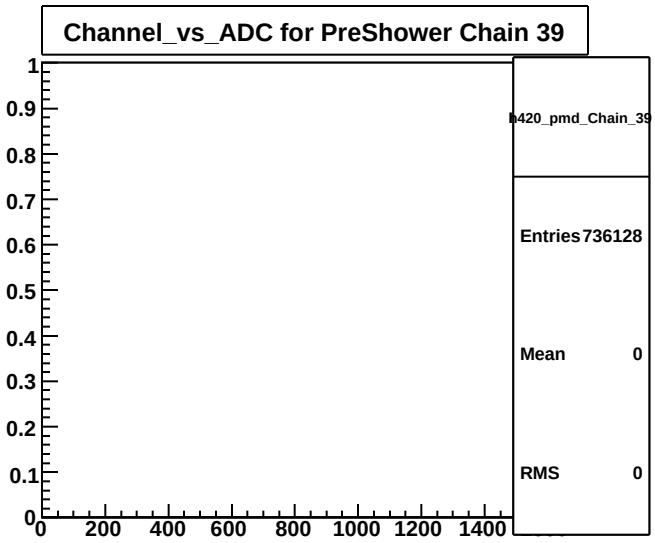

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 736128
Mean 0
RMS 0

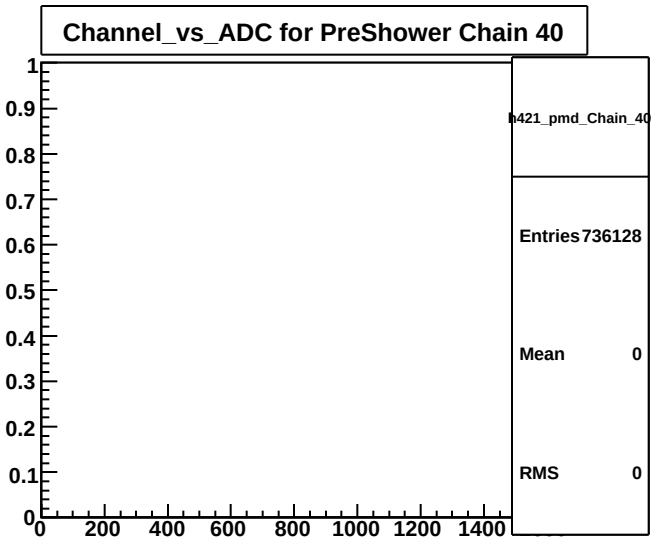

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 736128
Mean 0
RMS 0

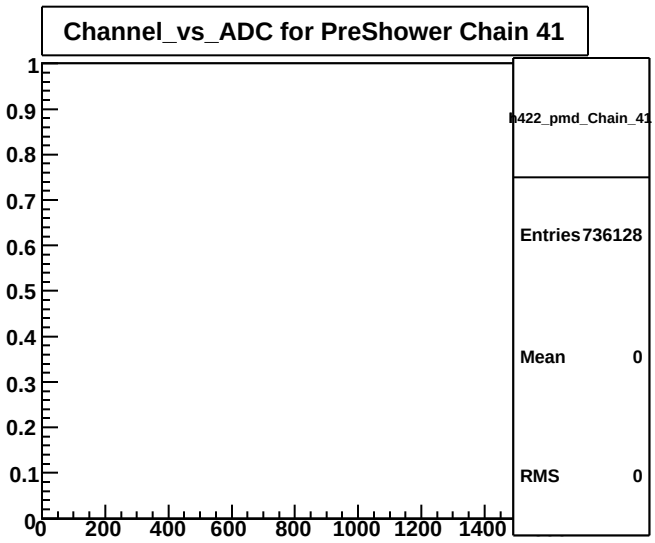

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 736128
Mean 0
RMS 0

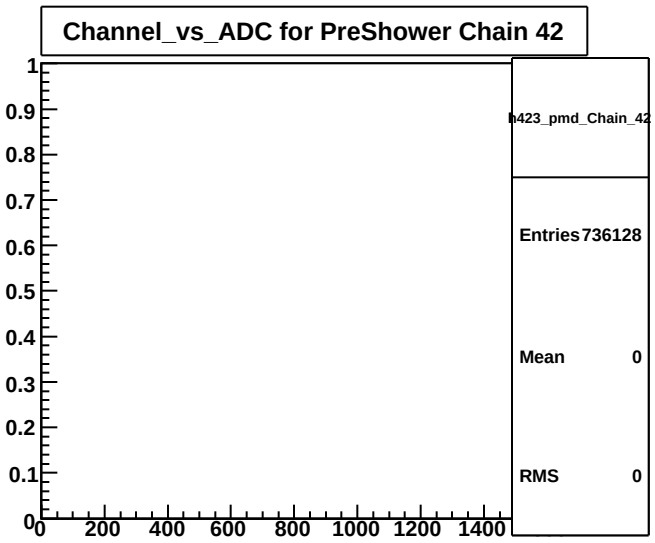

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 736128
Mean 0
RMS 0

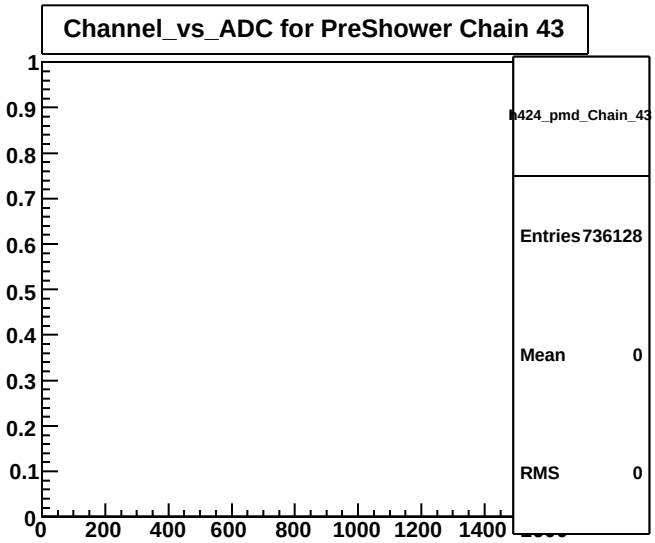

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 736128
Mean 0
RMS 0

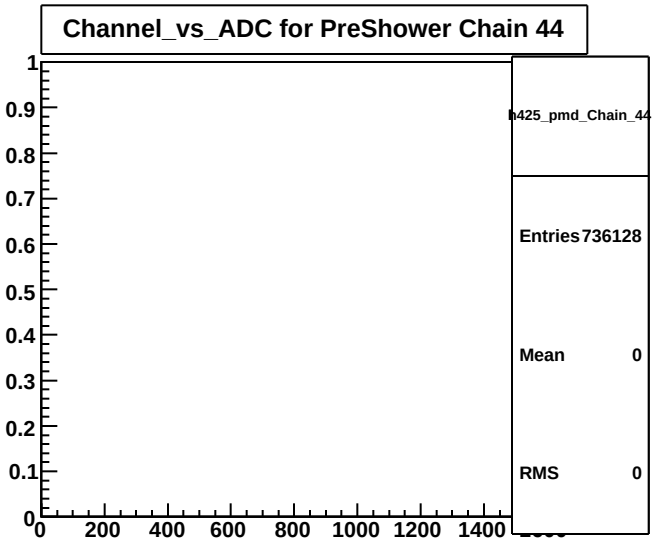

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 736128
Mean 0
RMS 0

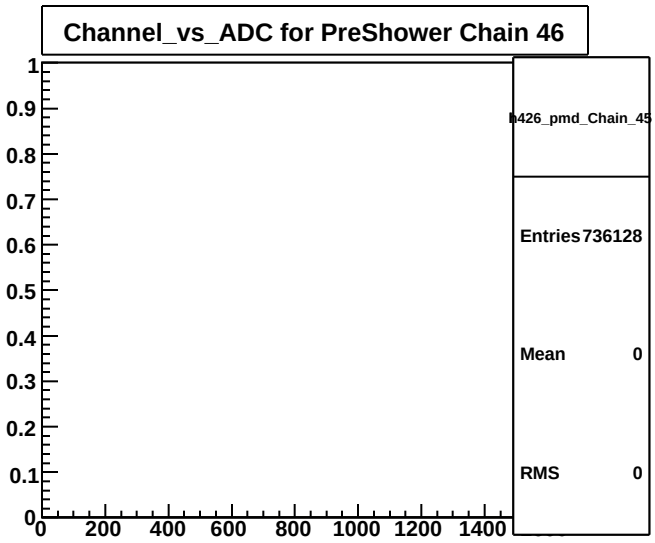

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 736128
Mean 0
RMS 0

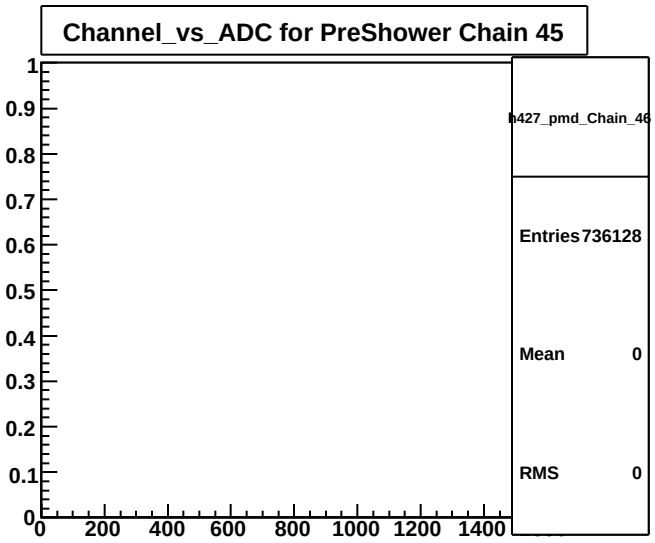

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 736128
Mean 0
RMS 0

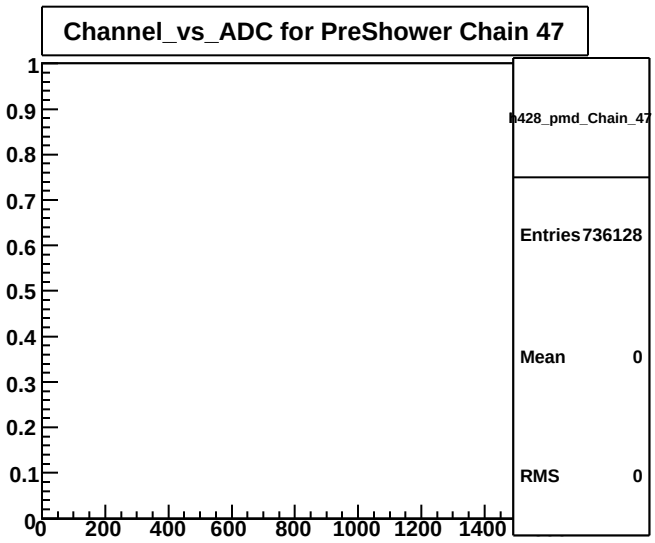

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 736128
Mean 0
RMS 0

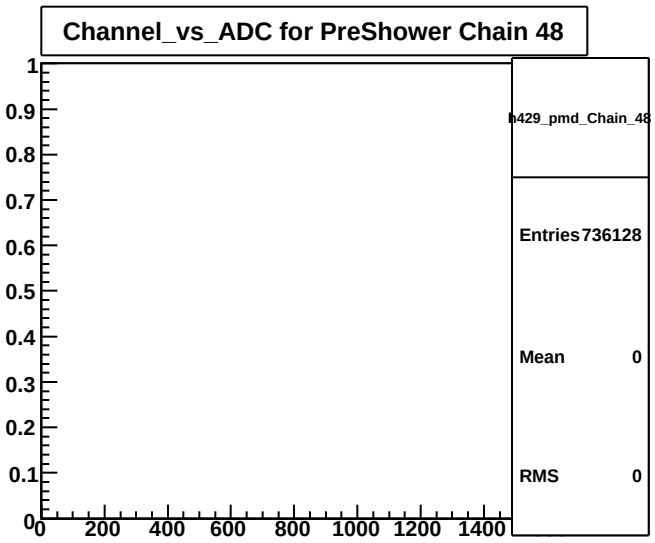

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 736128
Mean 0
RMS 0

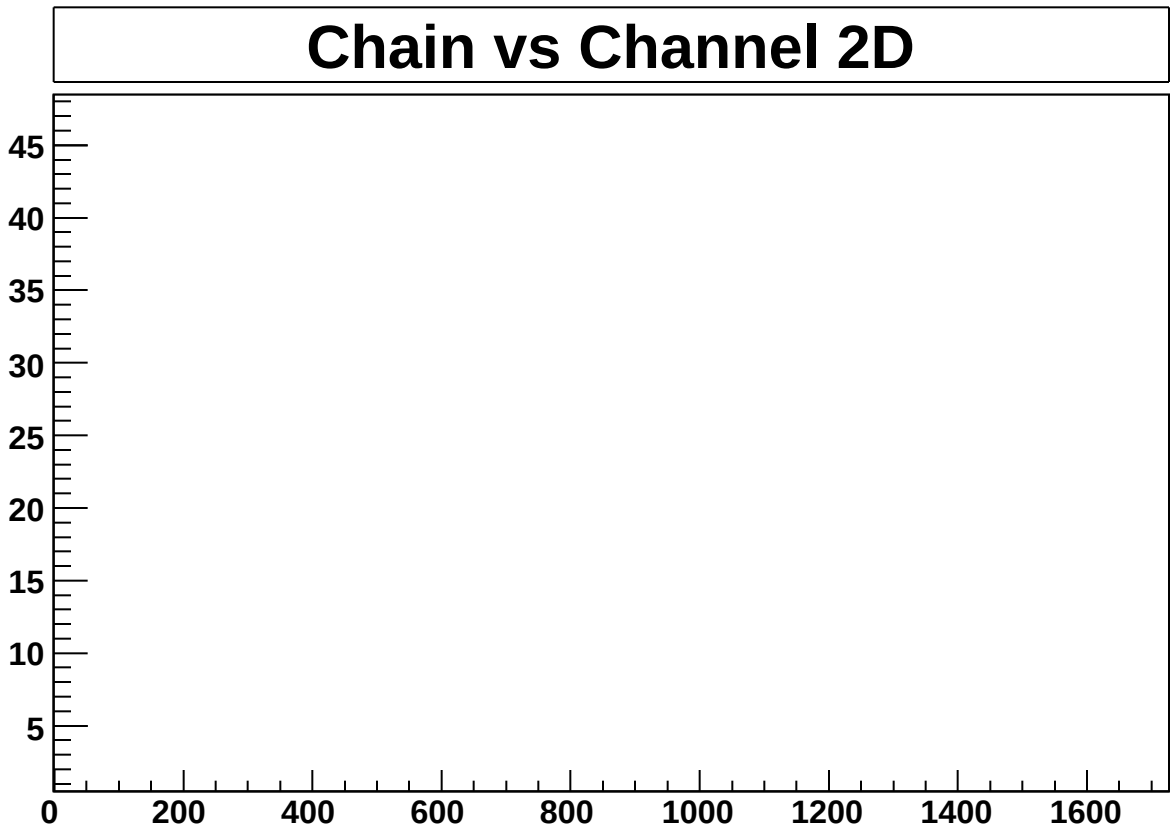

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 736128
Mean 0
RMS 0

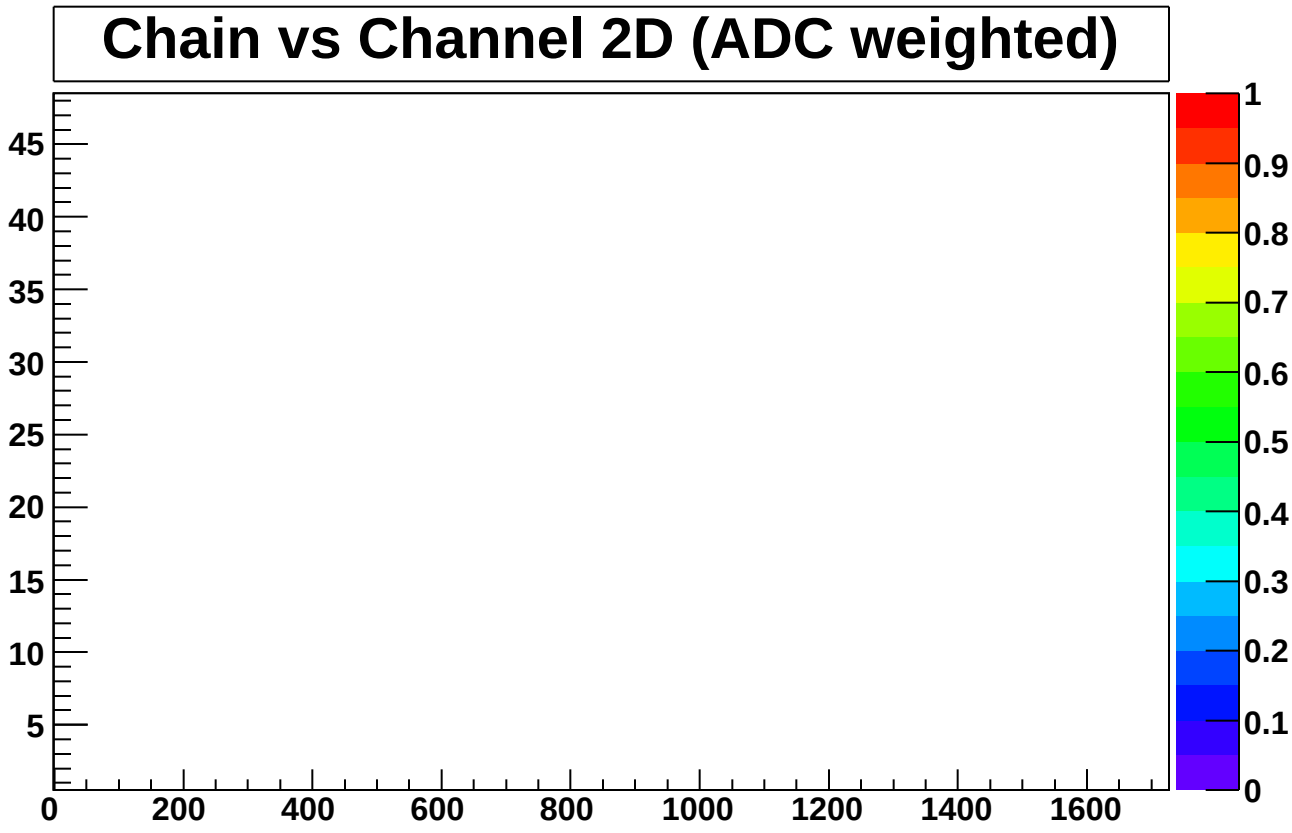

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 736128
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 736128
Mean 0
RMS 0

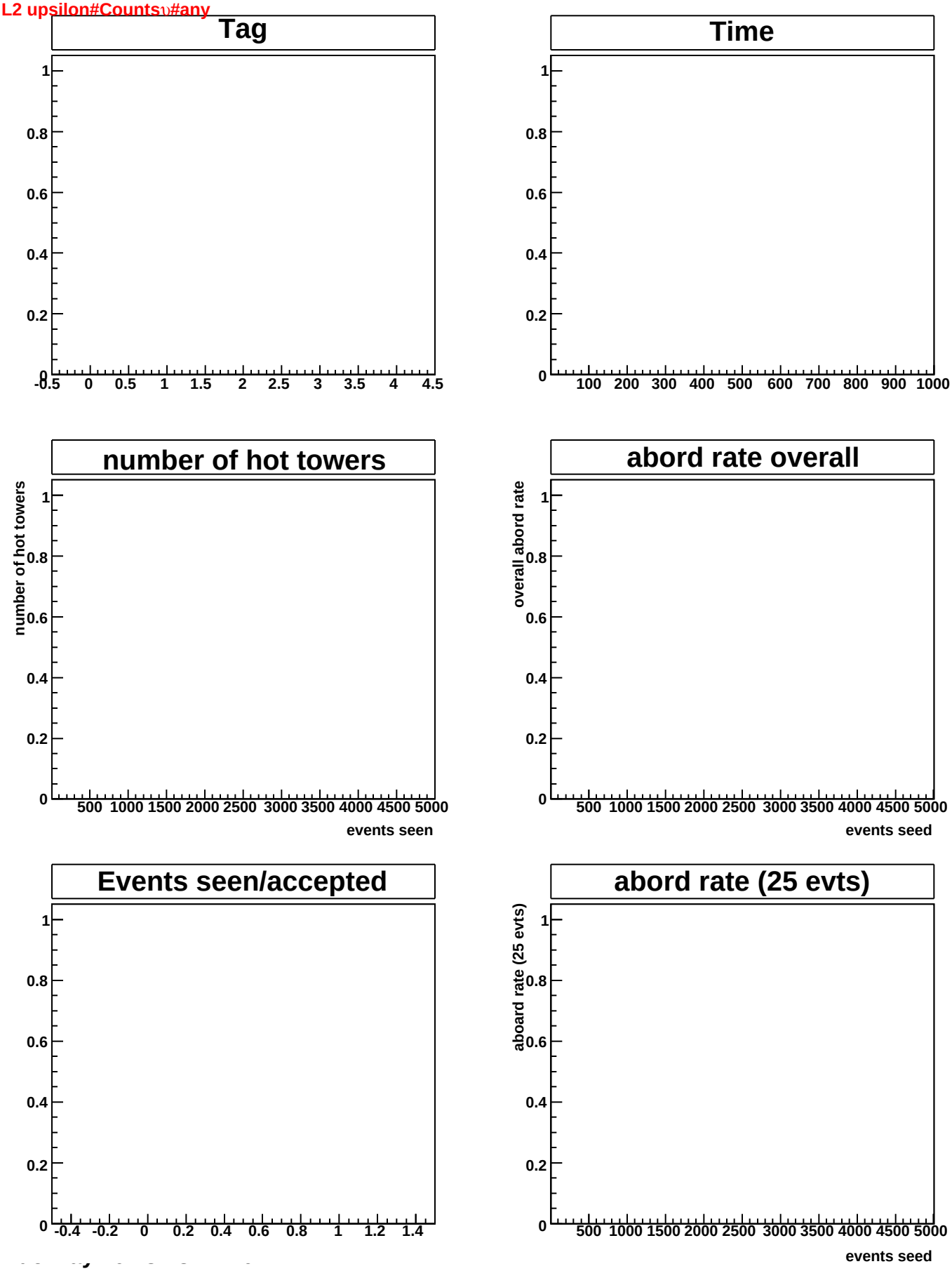

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 736128
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 736128
Mean 0
RMS 0

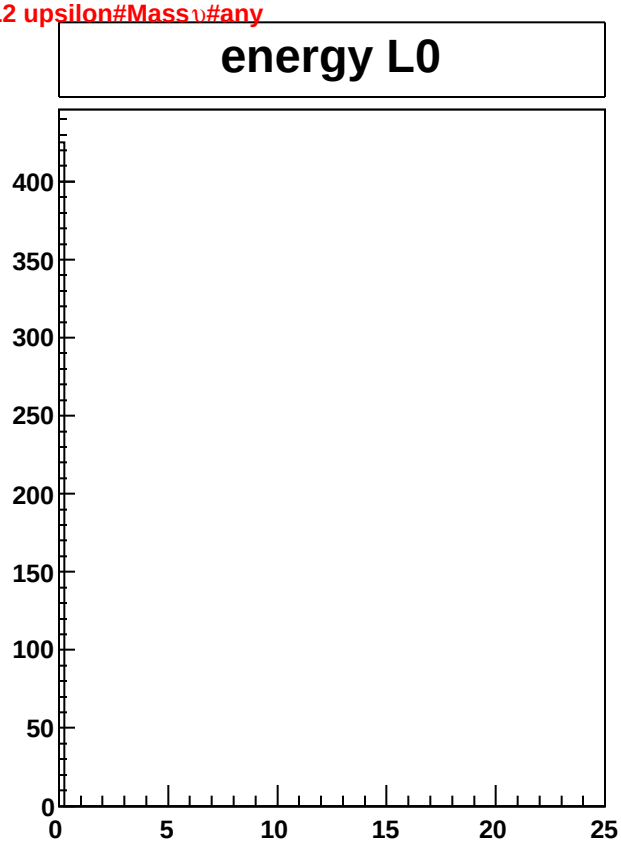

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

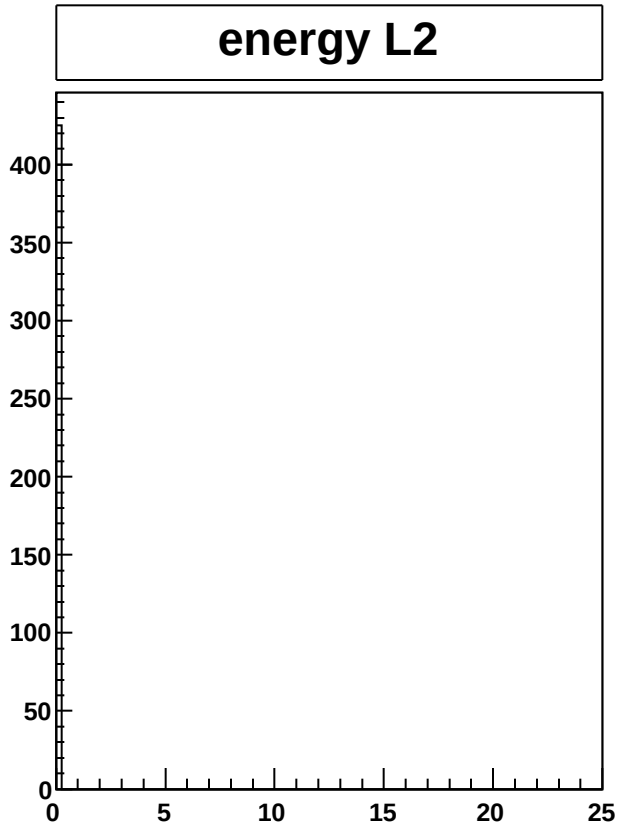

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

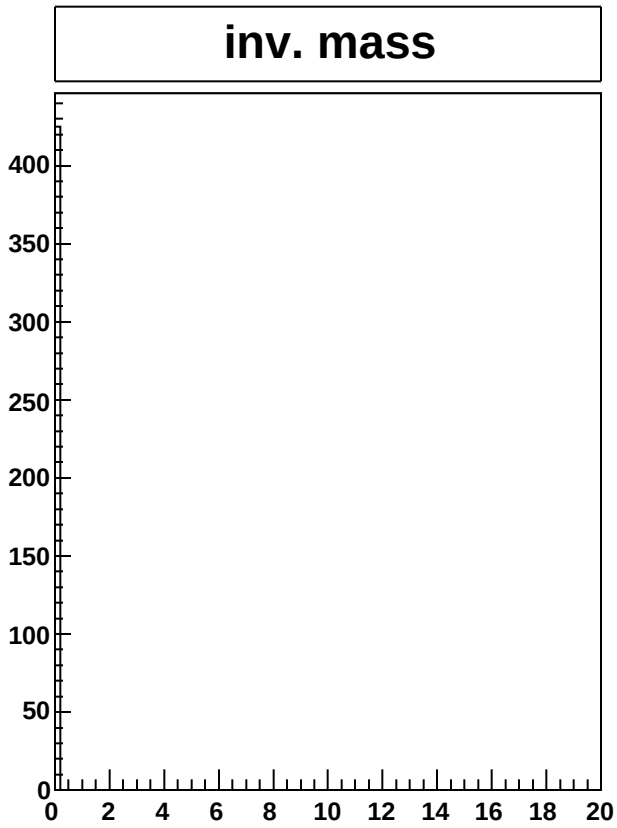
L2 upsilon#Countsυ#any

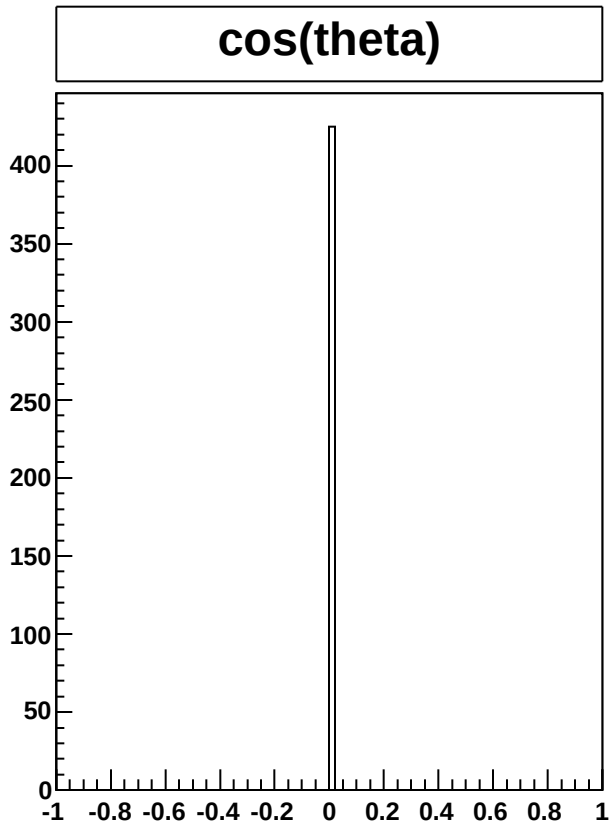


L2 upsilon#Massυ#any

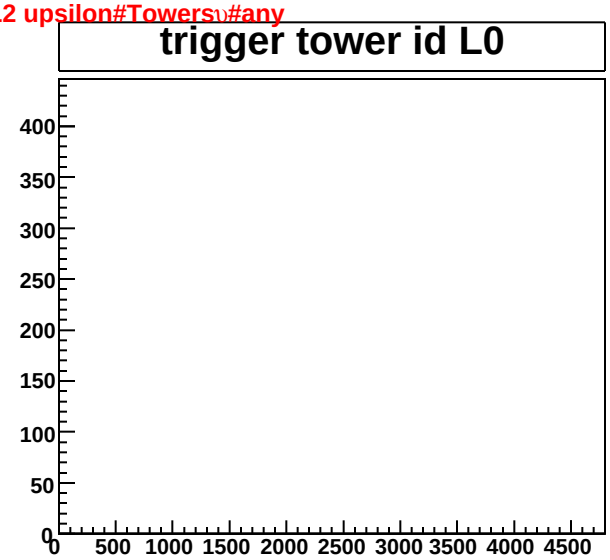


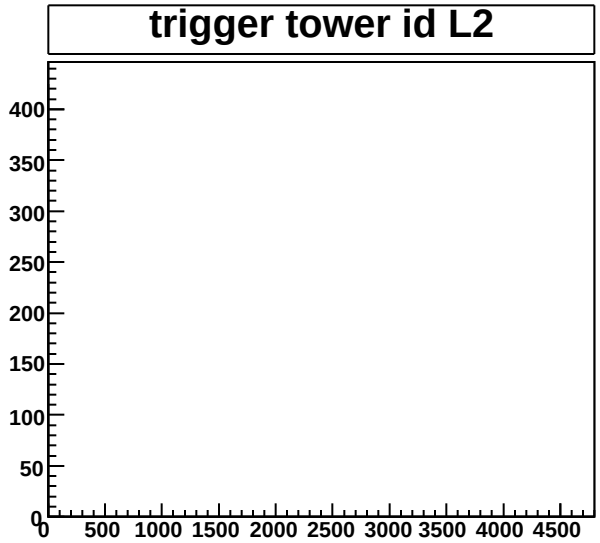


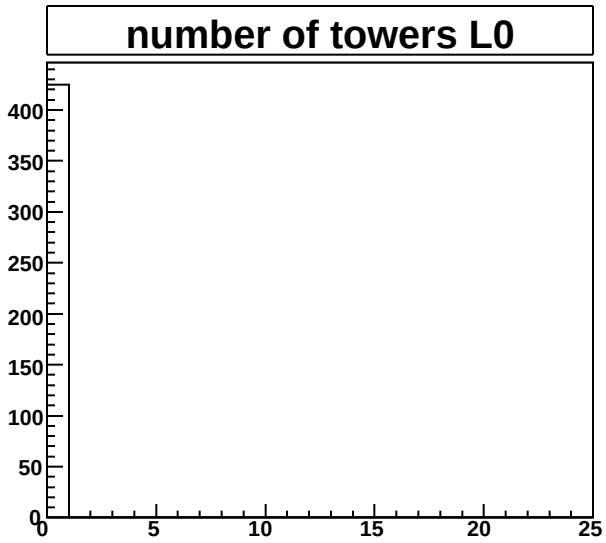


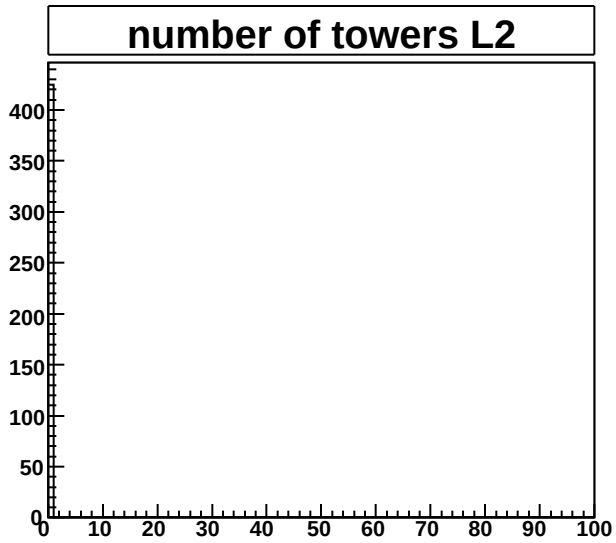


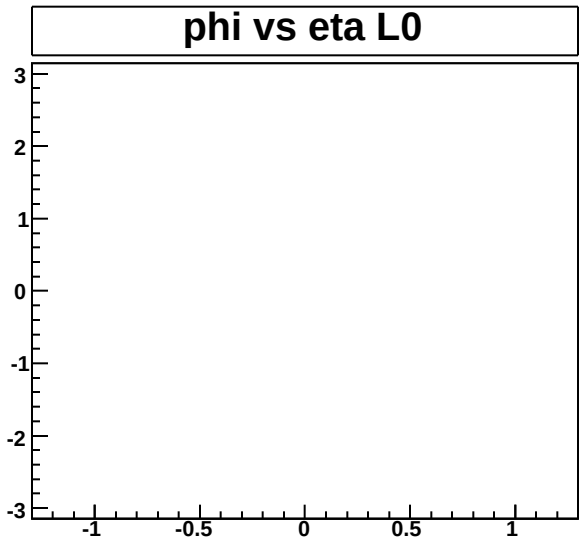
L2 upsilon#Towersυ#any

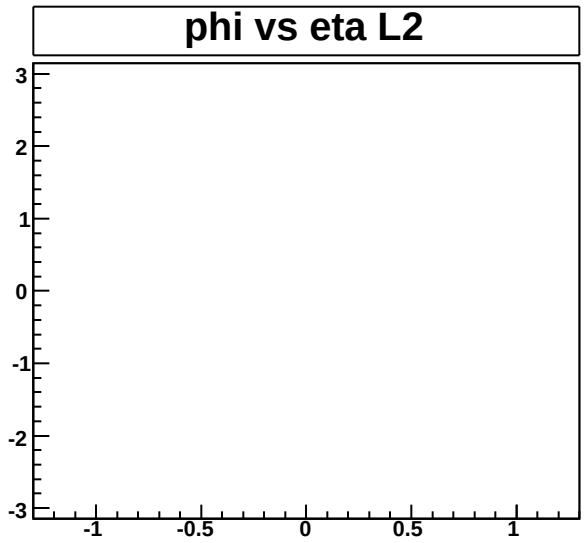






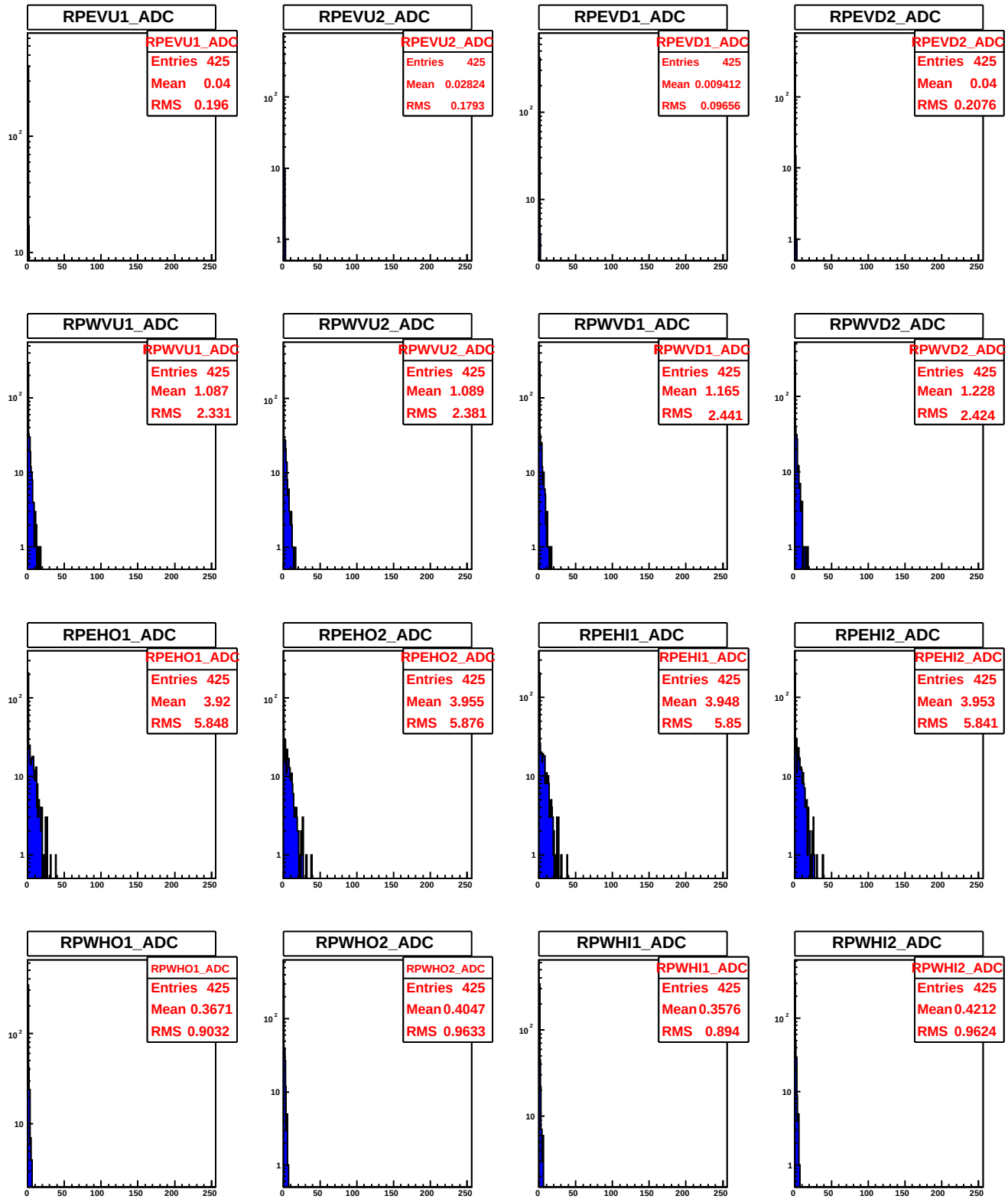






P2P#Trg1-16#any#trg

Run: #12130084



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P2P#Trg17-32#any#trg

Run: #12130084

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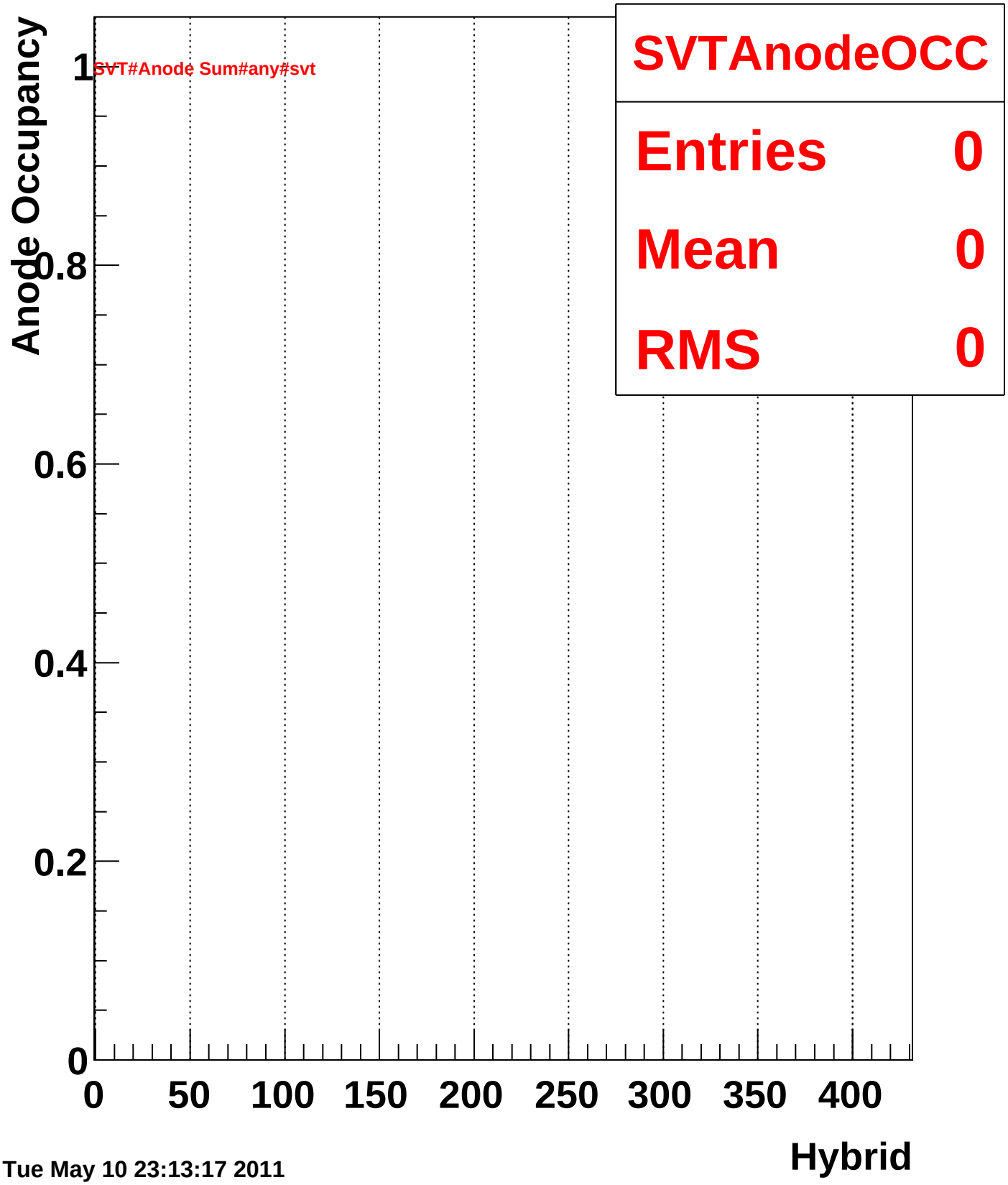

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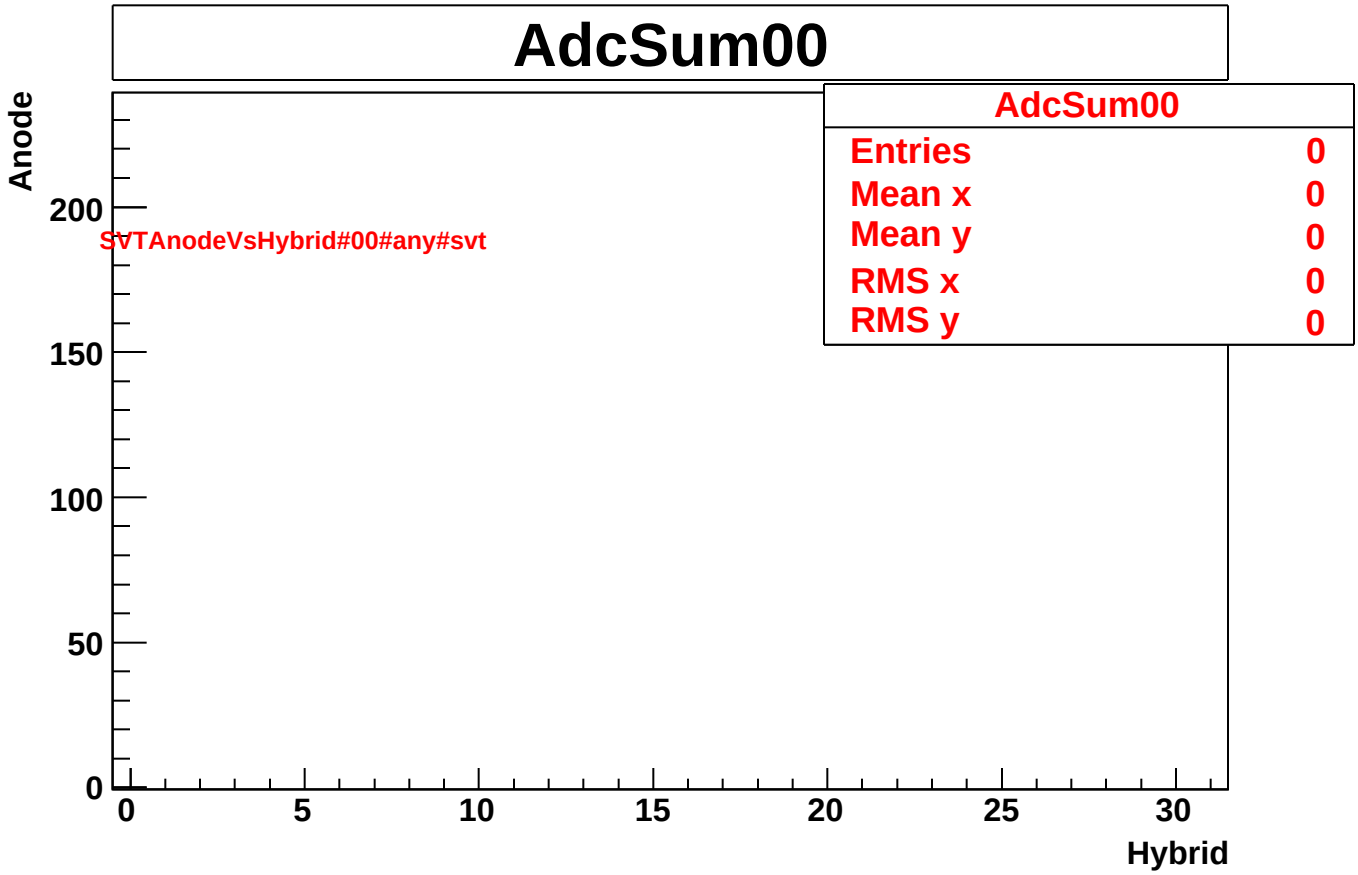
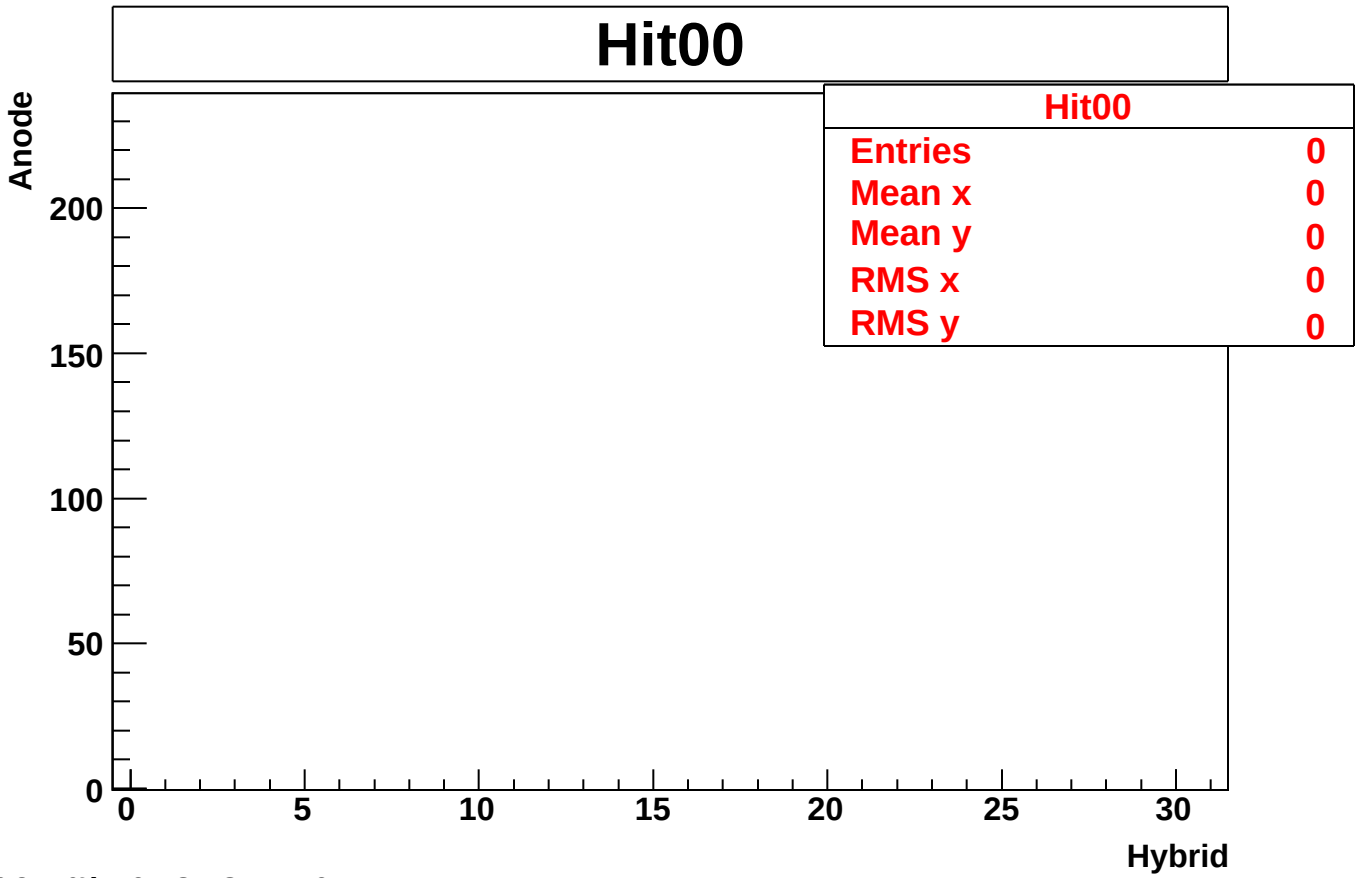
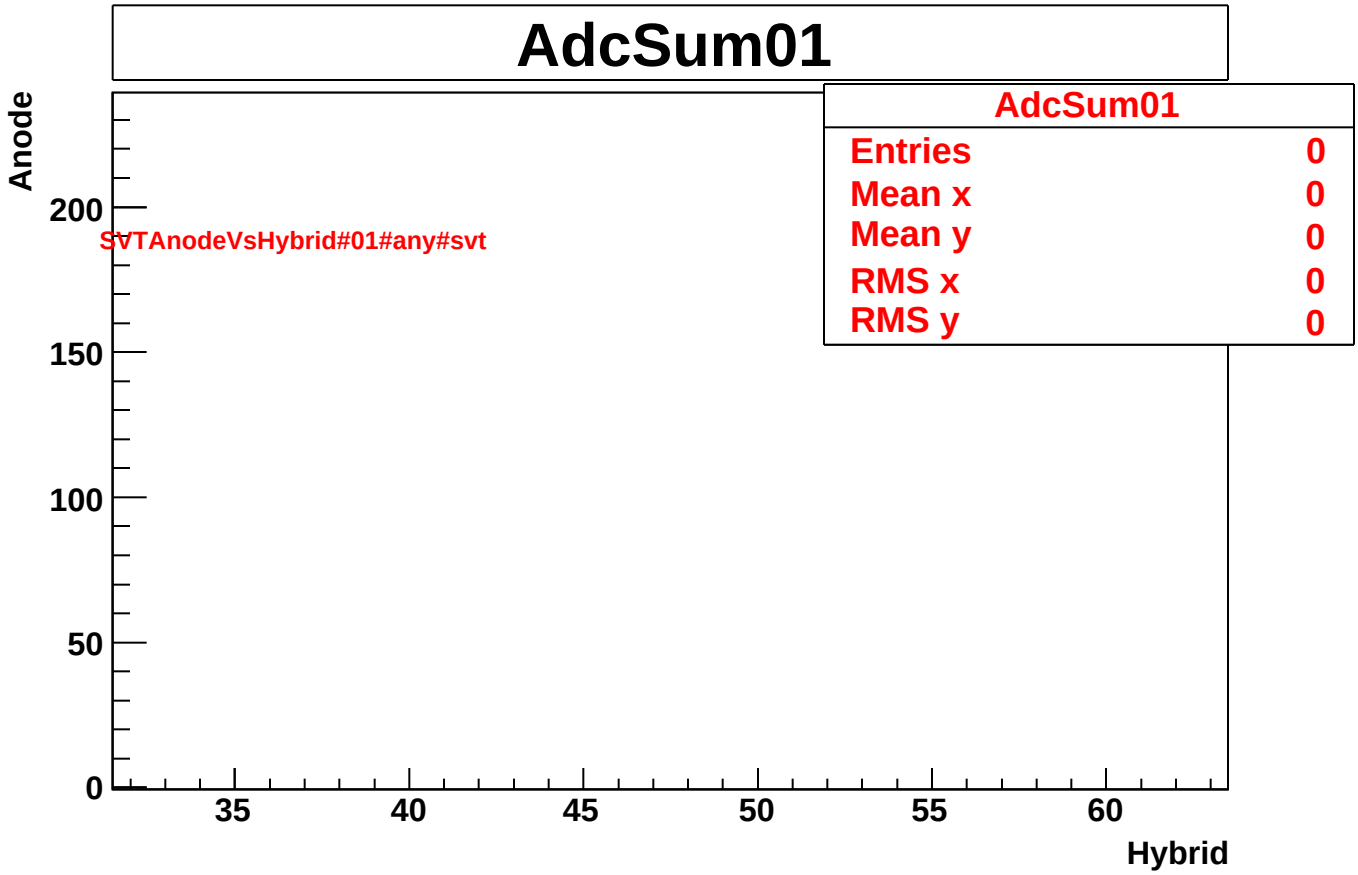
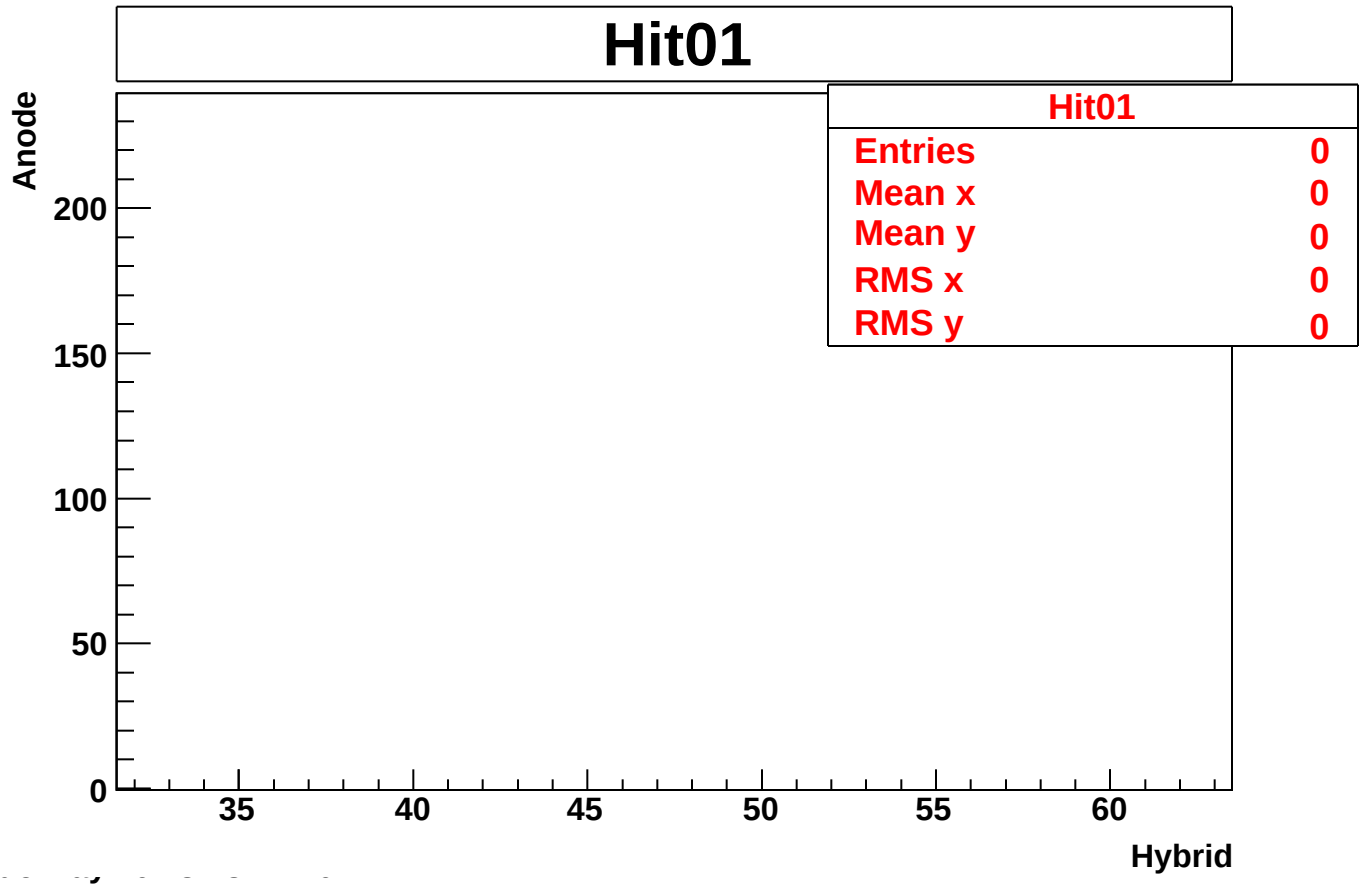
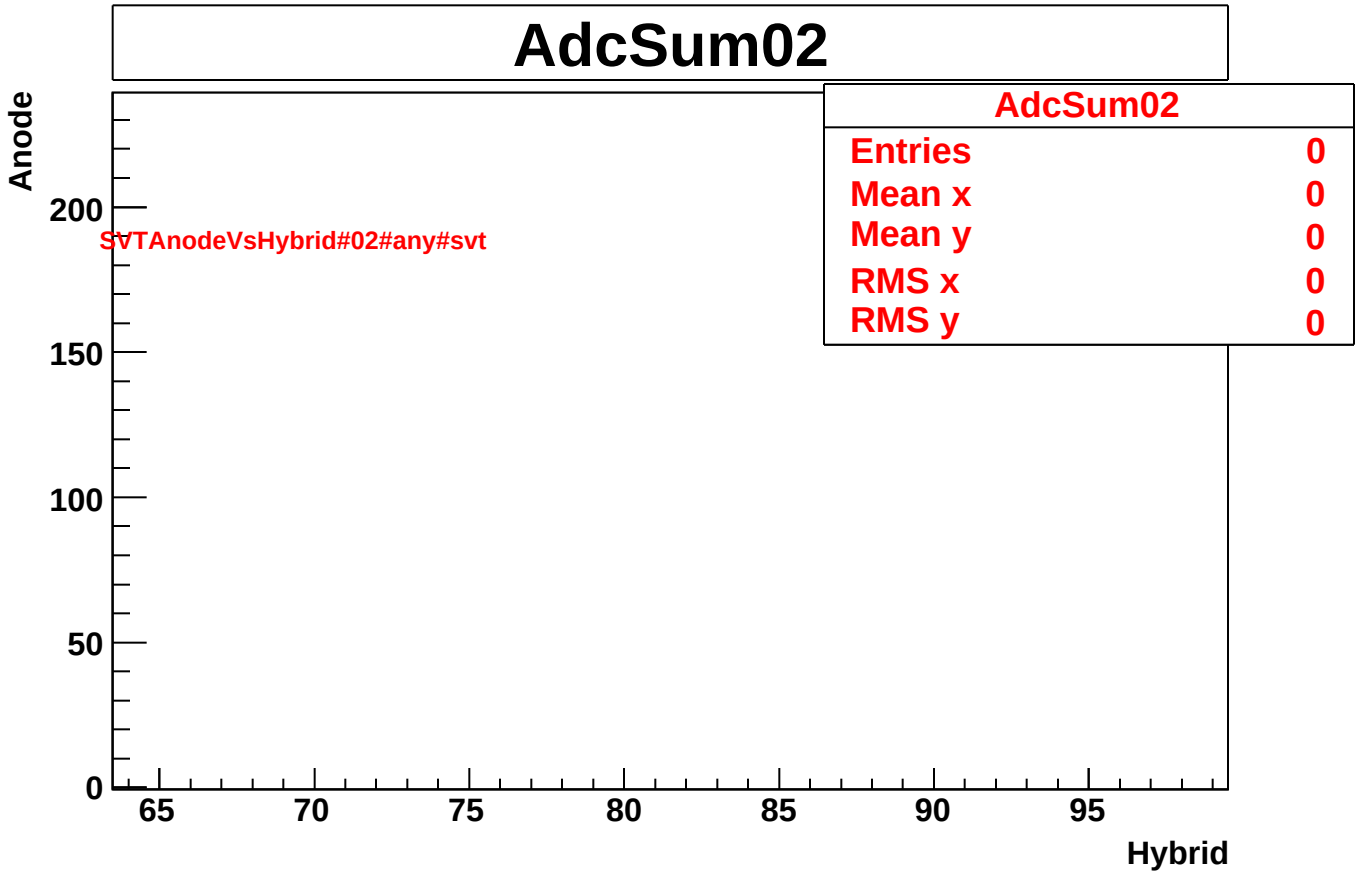
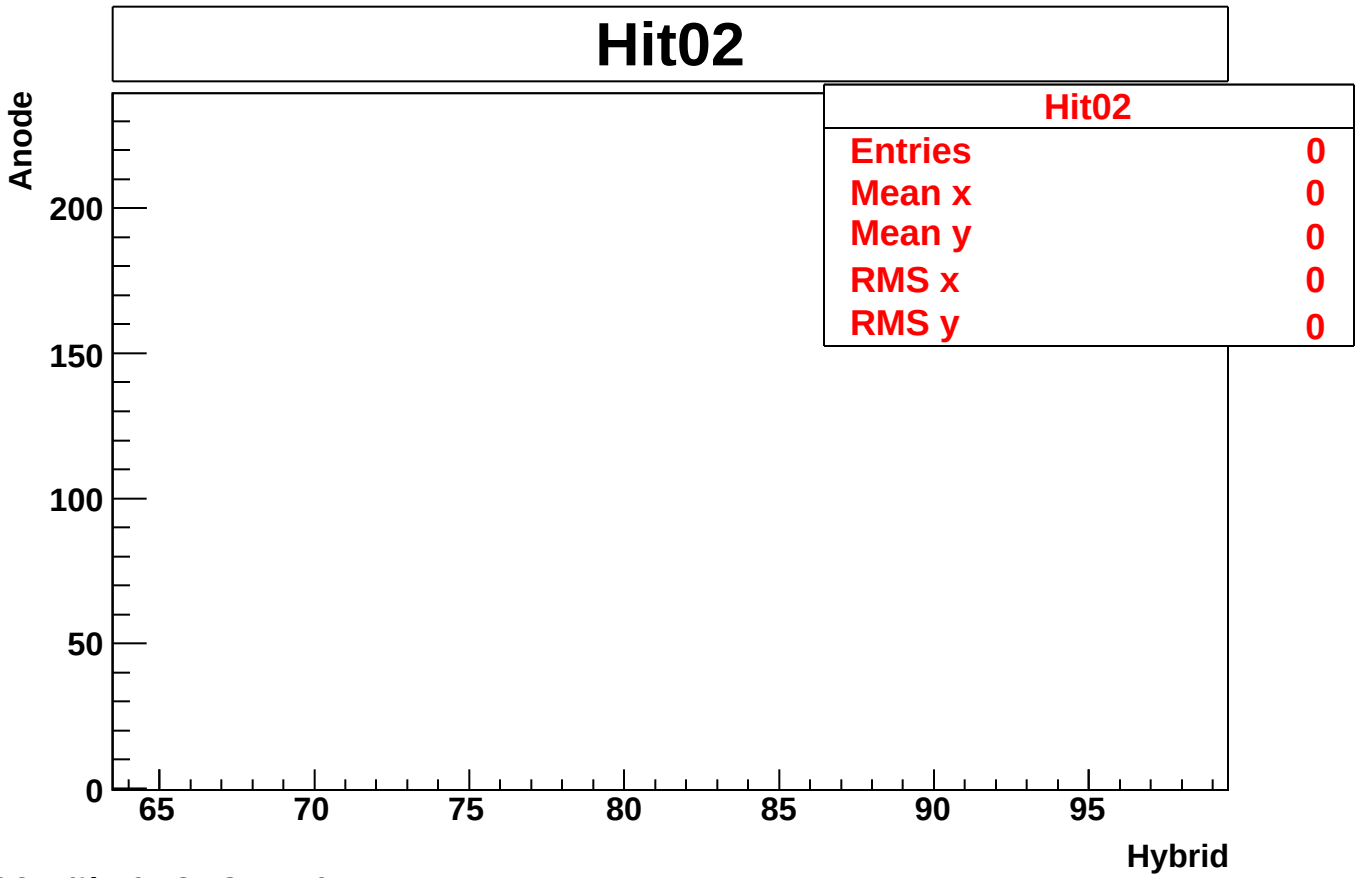

AdcSum00
AdcSum00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#00#any#svt
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

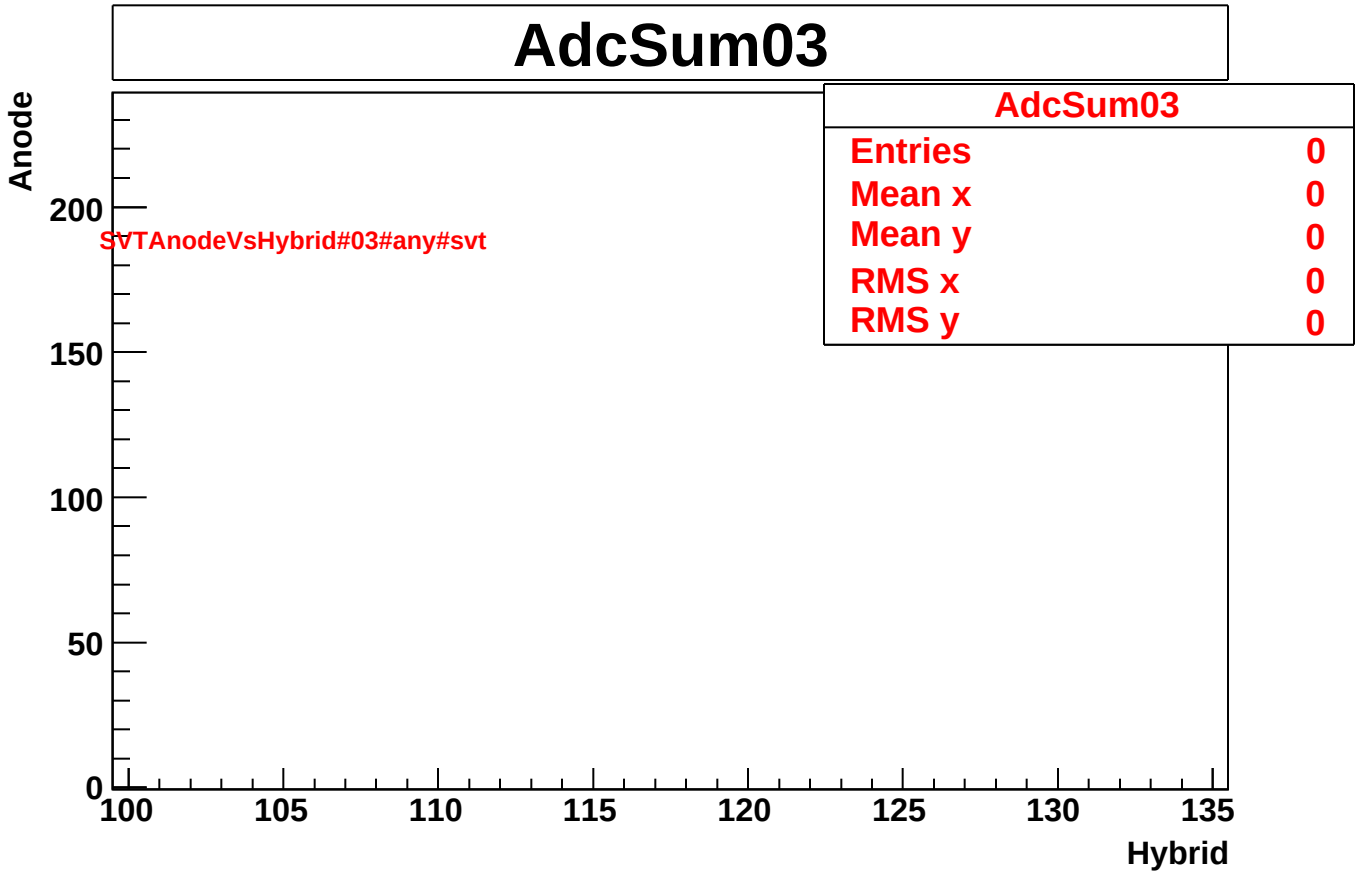

Hit00
Hit00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

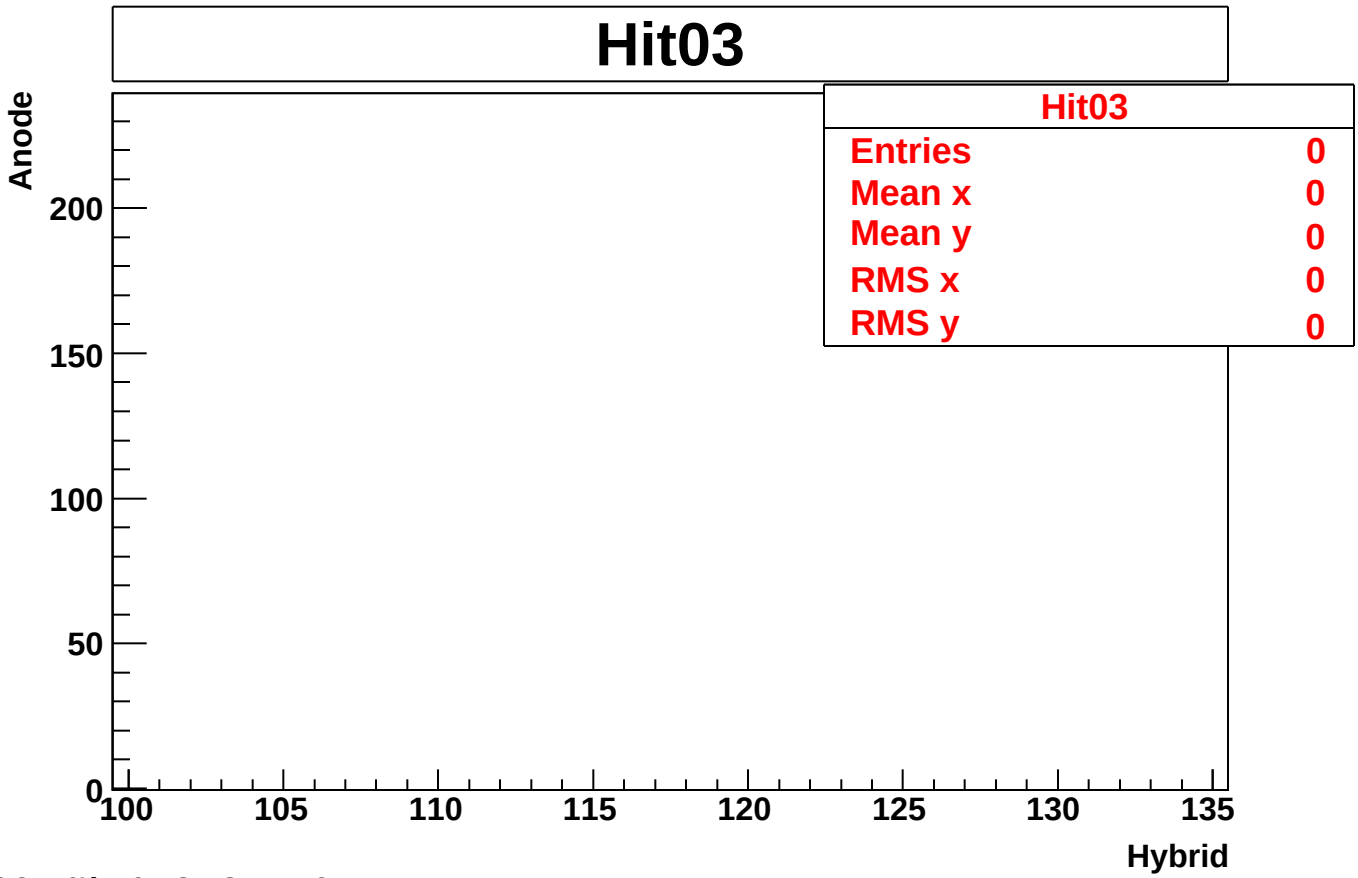

AdcSum01
AdcSum01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#01#any#svt
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

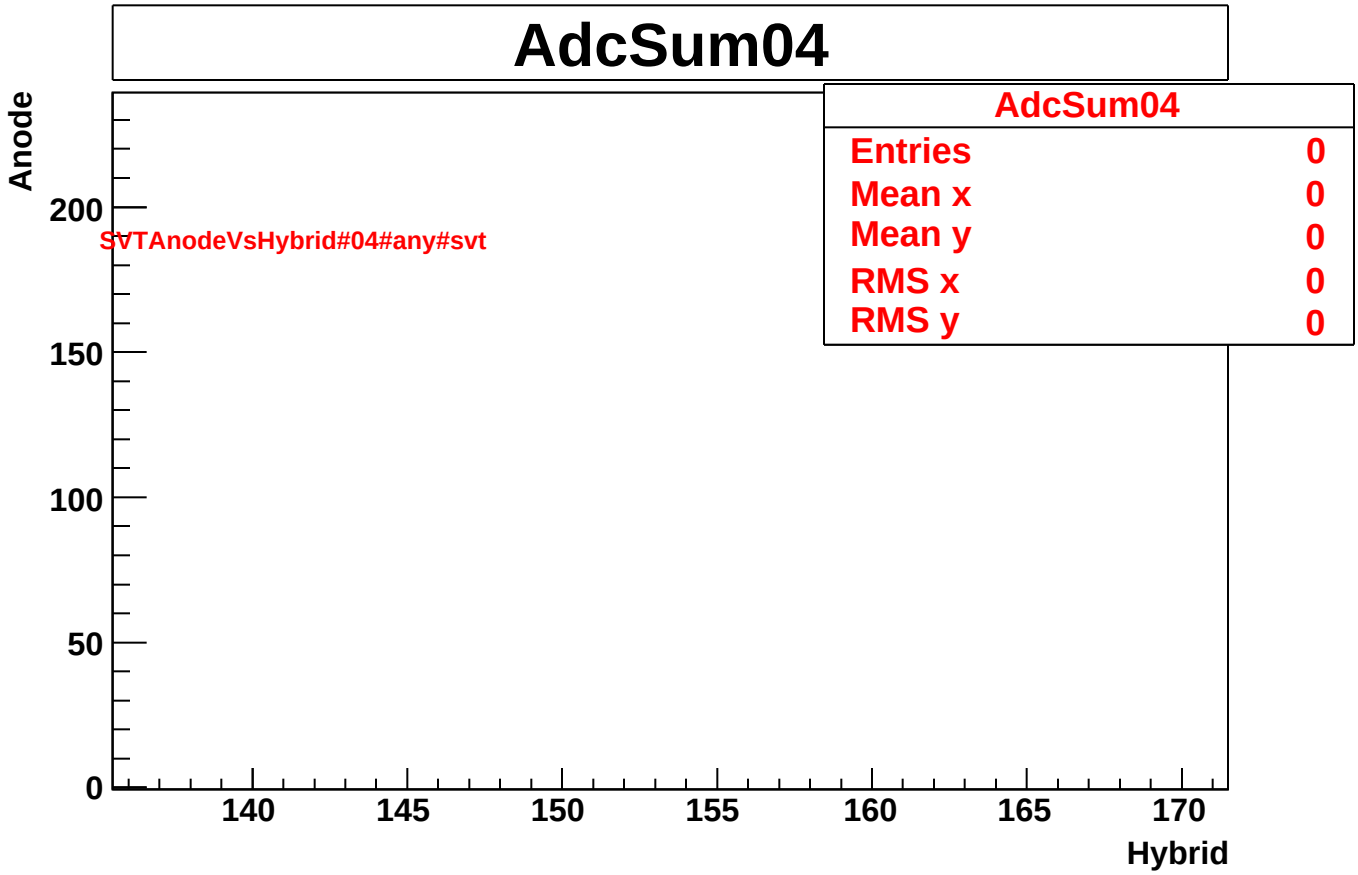

Hit01
Hit01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

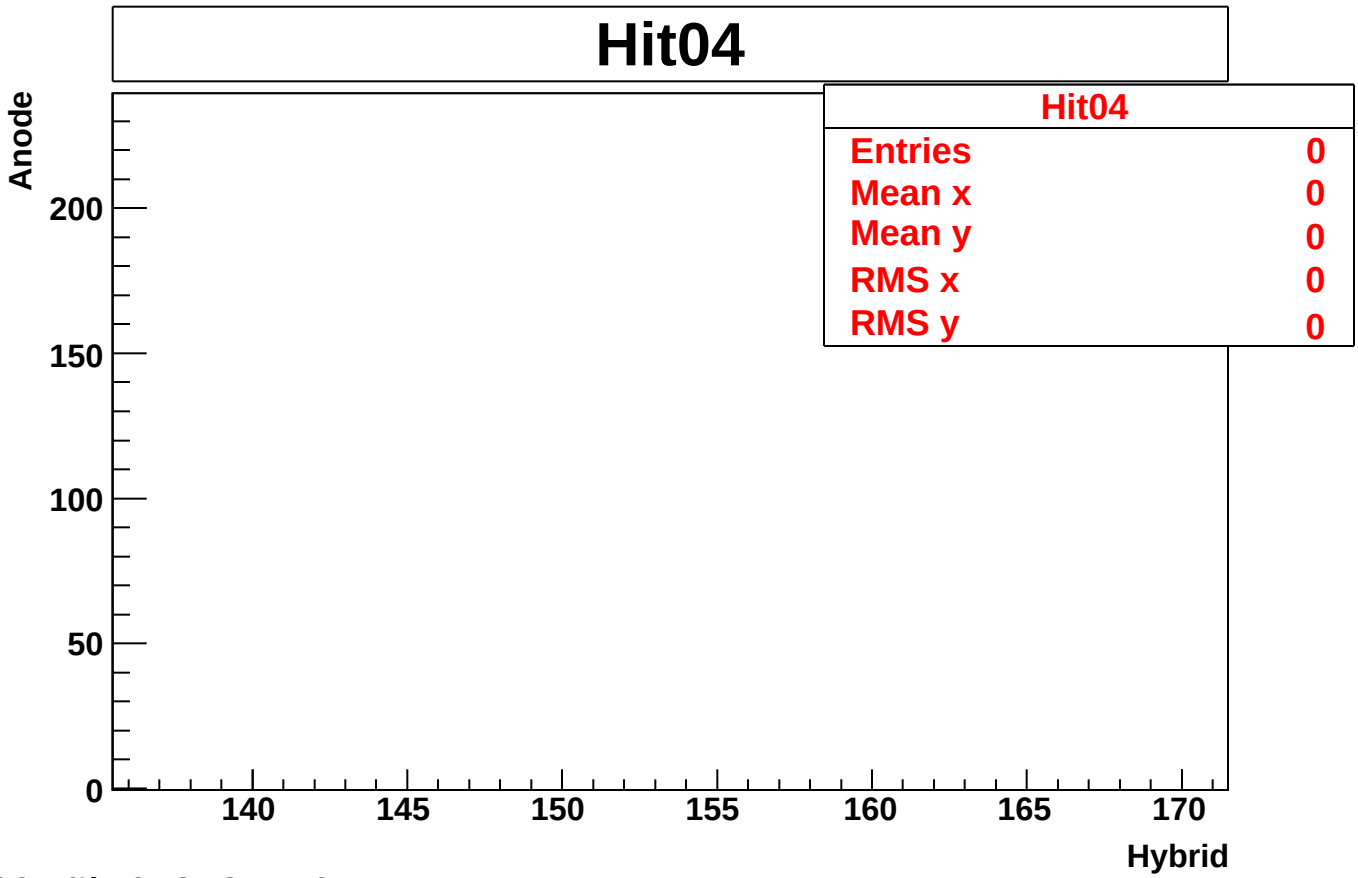

AdcSum02
AdcSum02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#02#any#svt
Anode
200
150
100
50
0
65
70
75
80
85
90
95
Hybrid

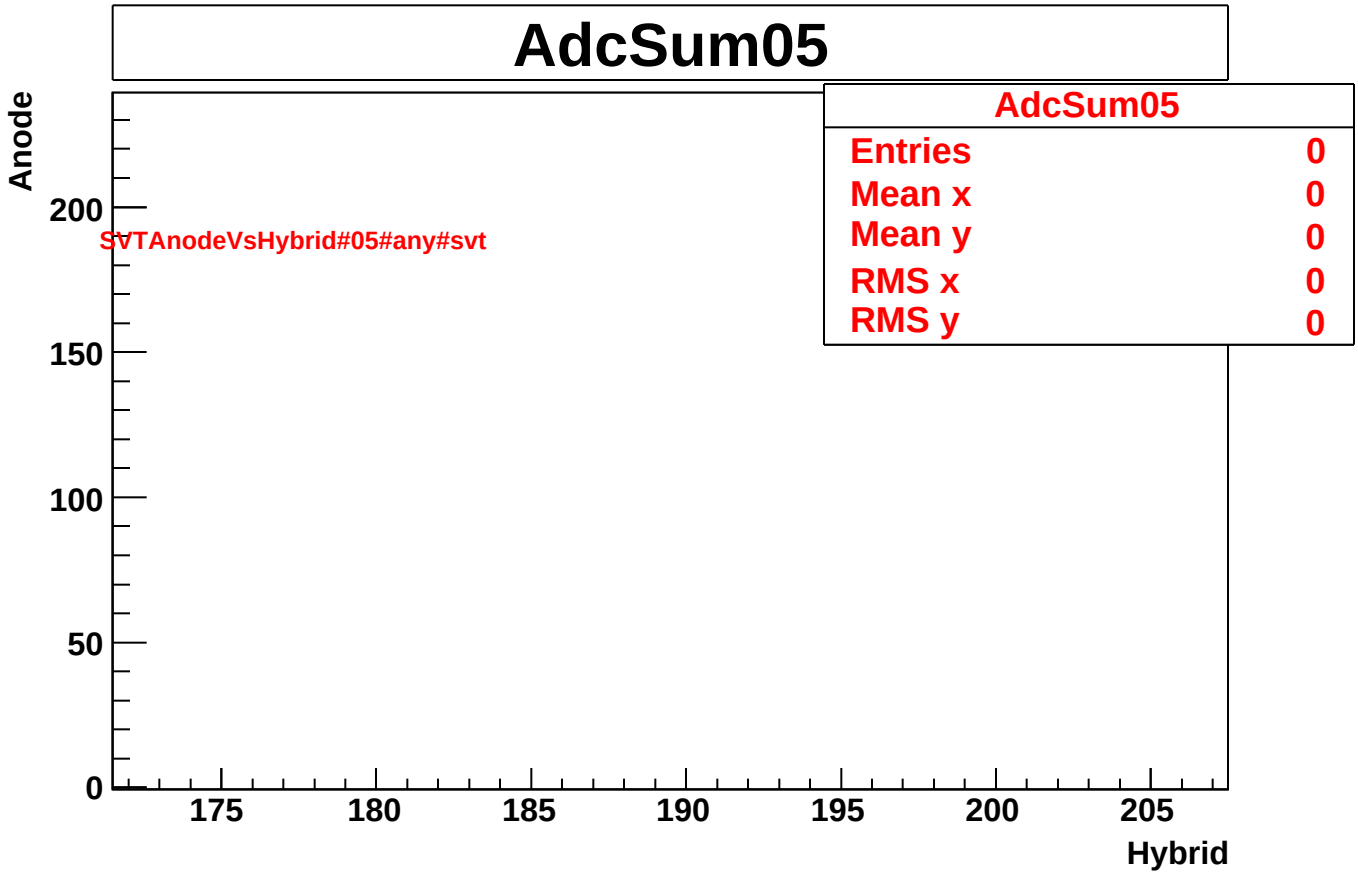

Hit02
Hit02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
65
70
75
80
85
90
95
Hybrid

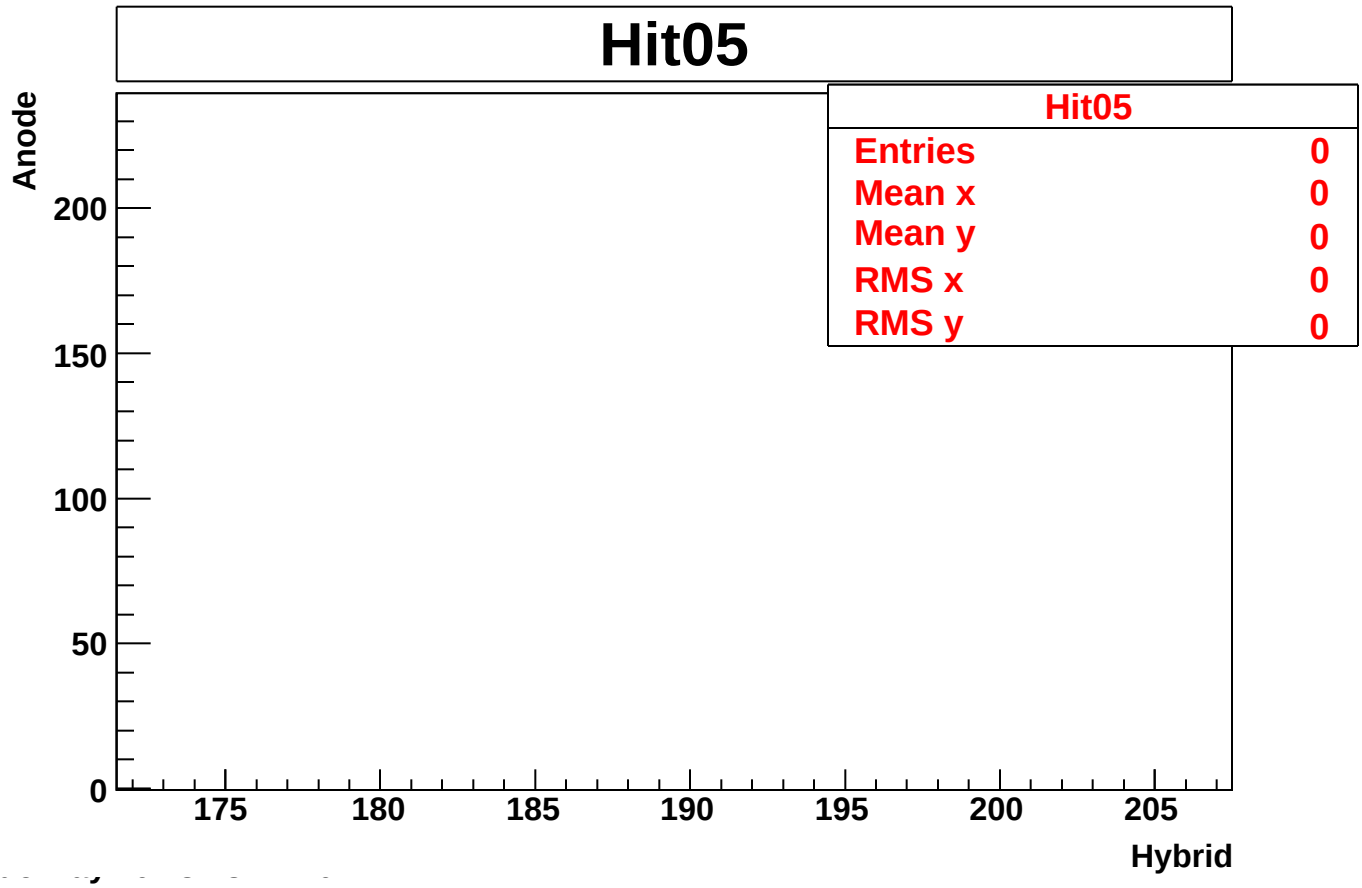

AdcSum03
AdcSum03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#03#any#svt
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

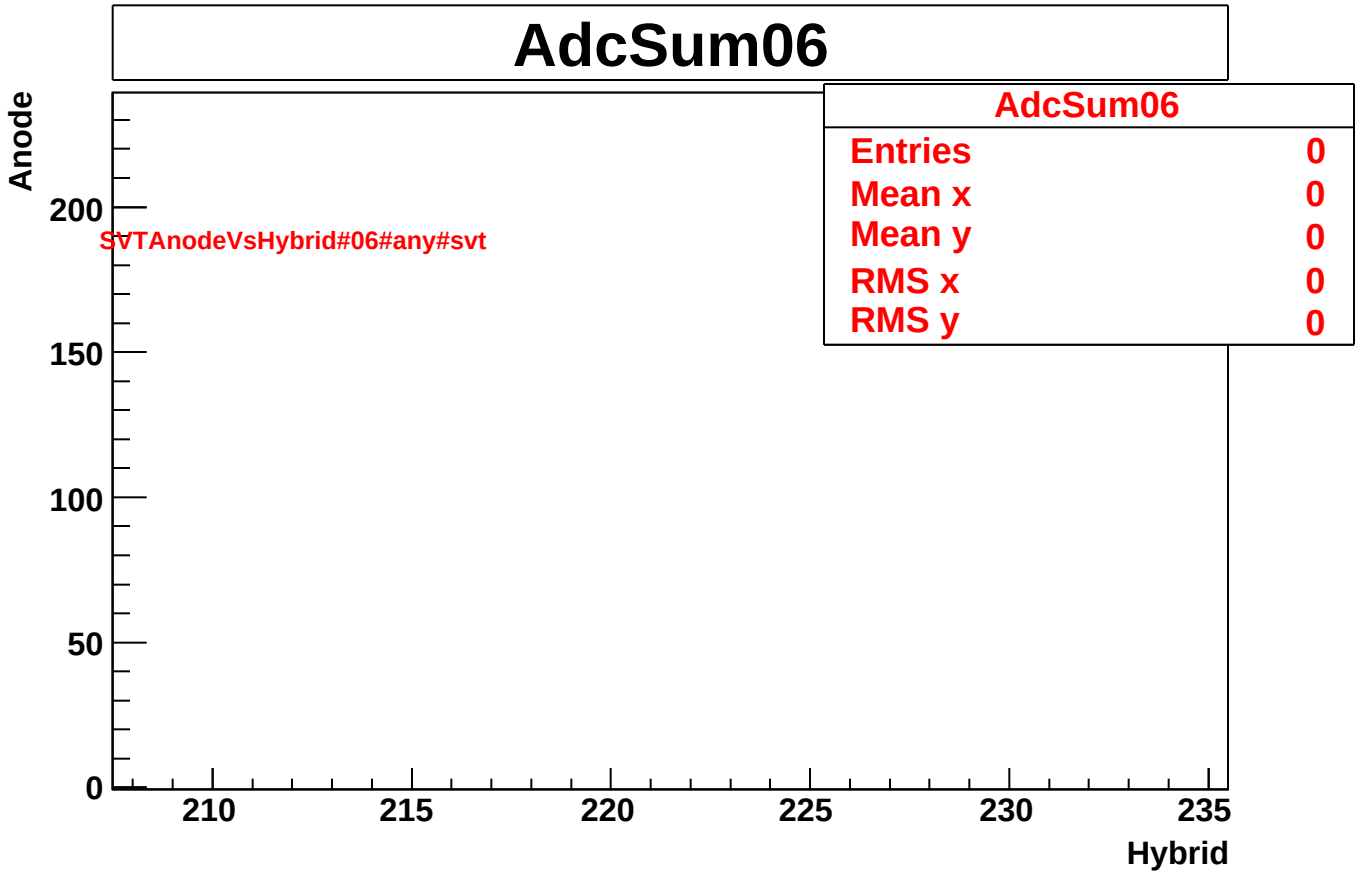

Hit03
Hit03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

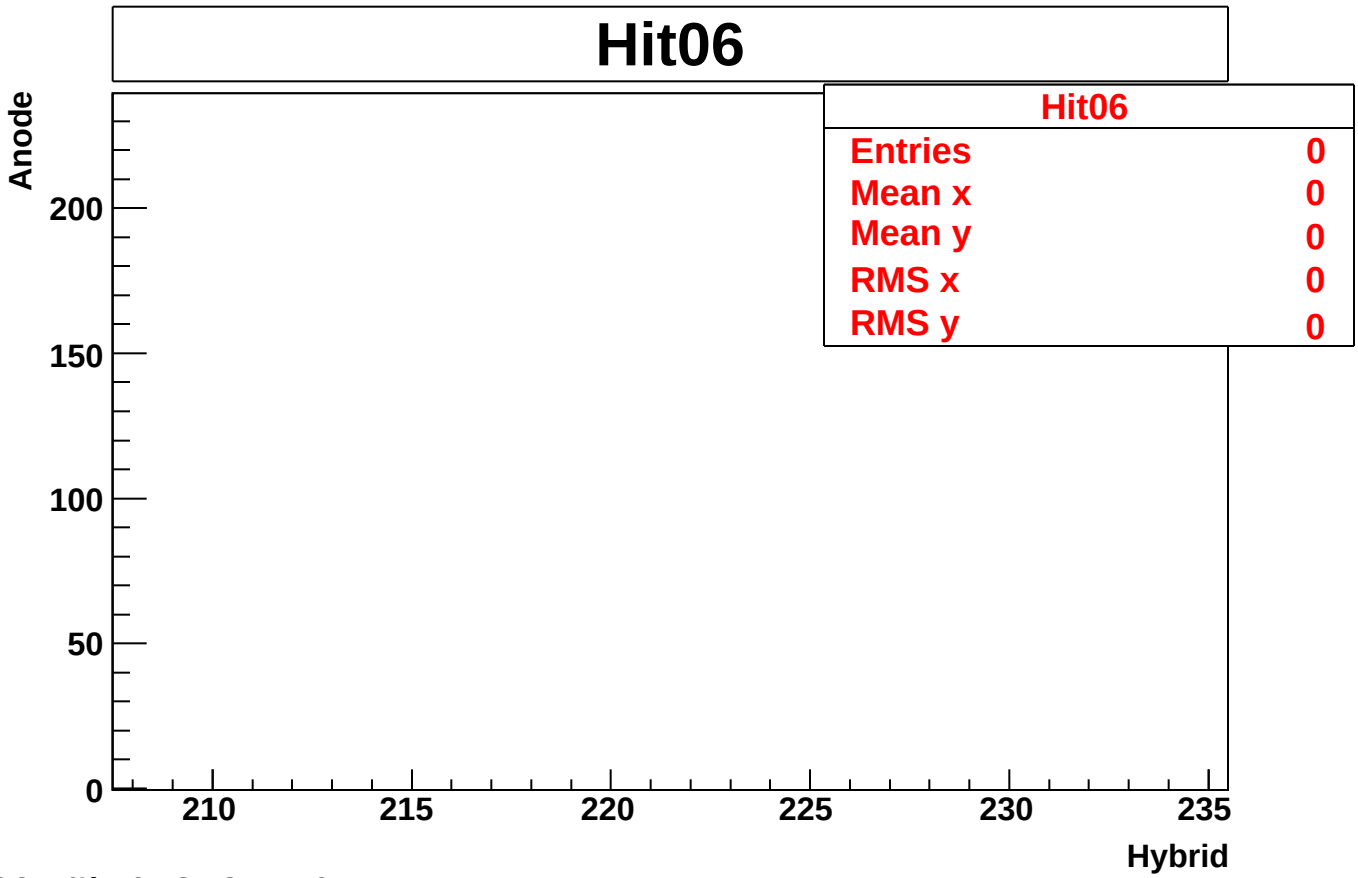

AdcSum04
AdcSum04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#04#any#svt
Anode
200
150
100
50
0
140
145
150
155
160
165
170
Hybrid

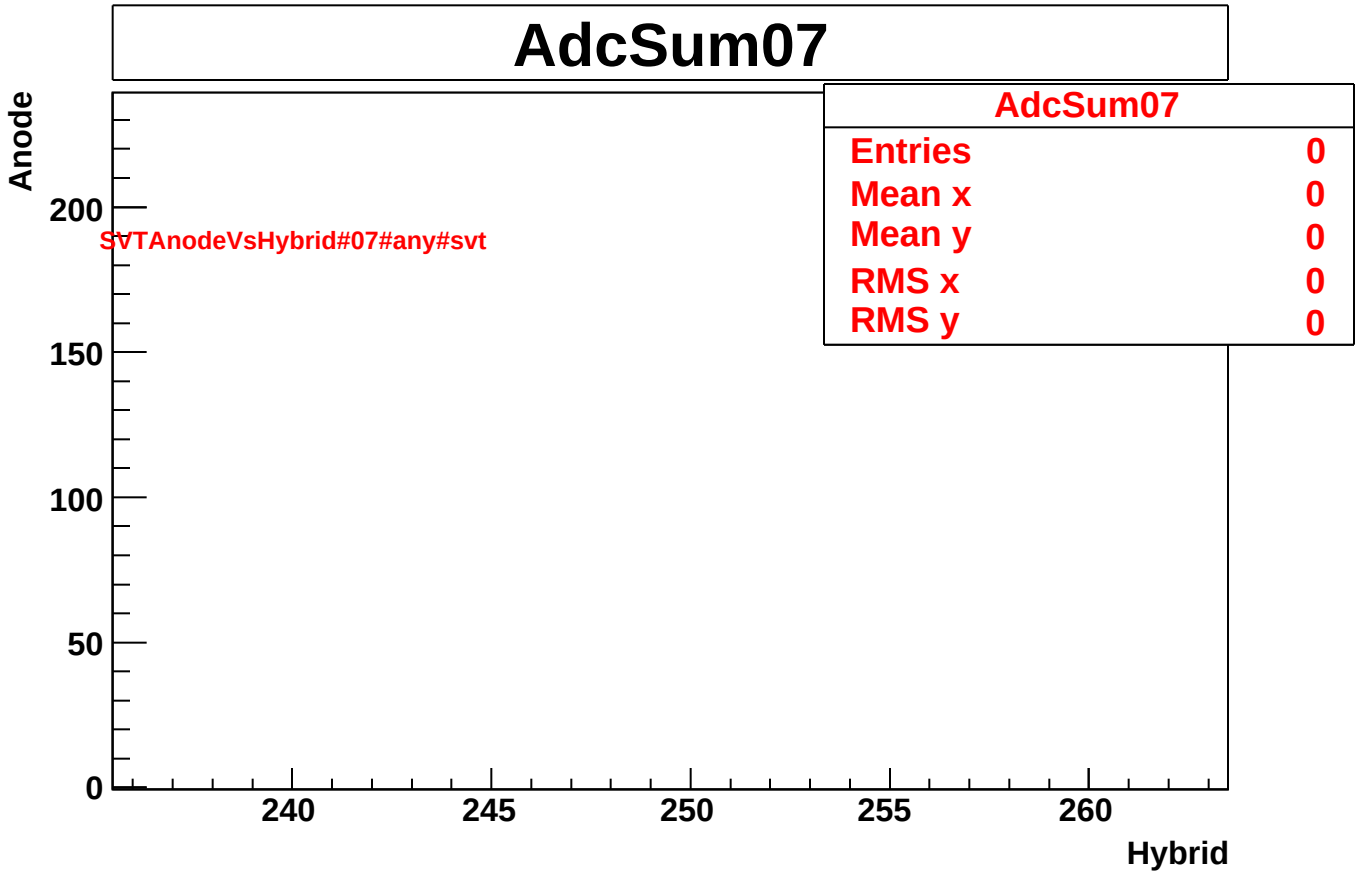

Hit04
Hit04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
140
145
150
155
160
165
170
Hybrid

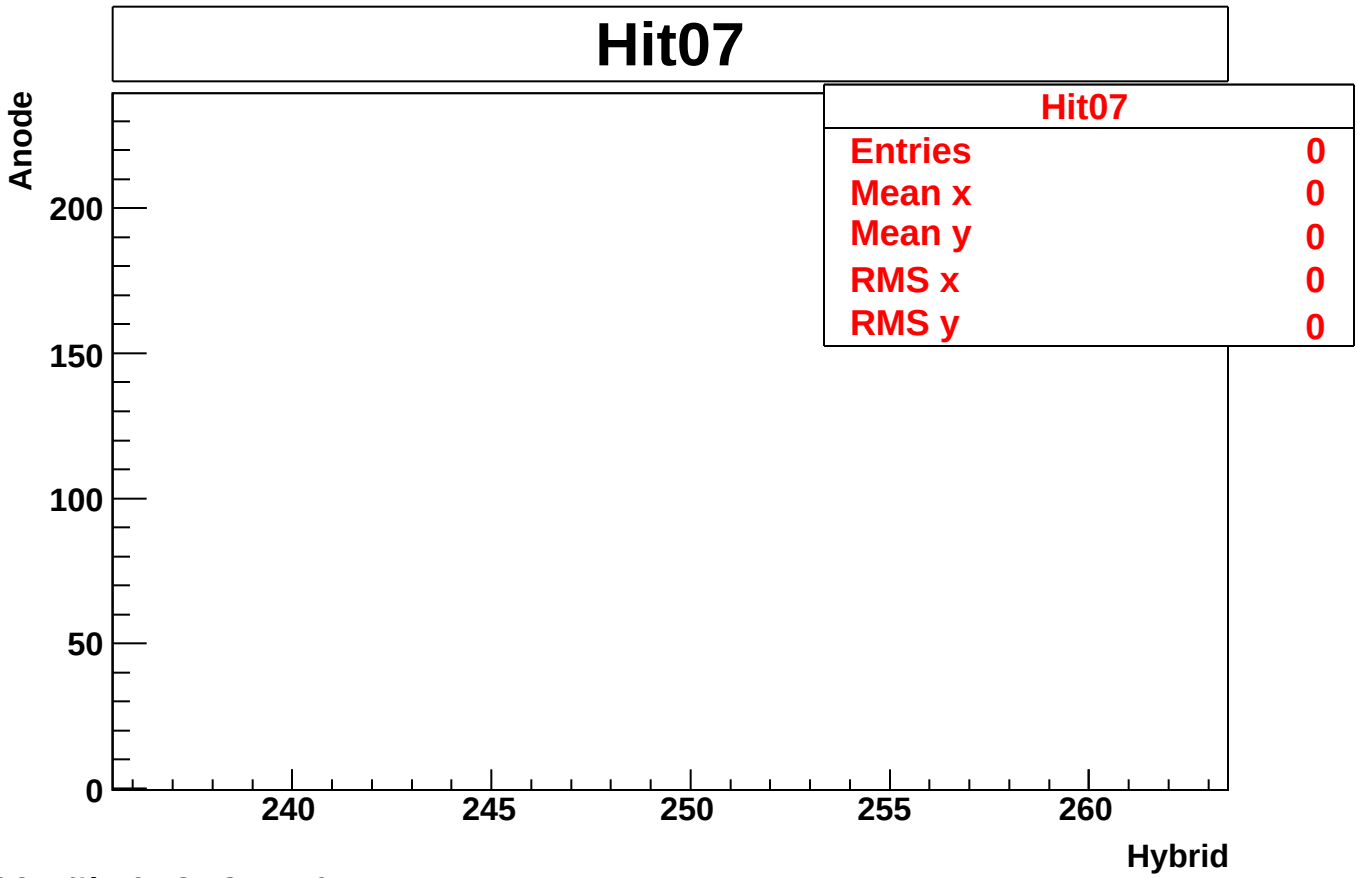

AdcSum05
AdcSum05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#05#any#svt
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

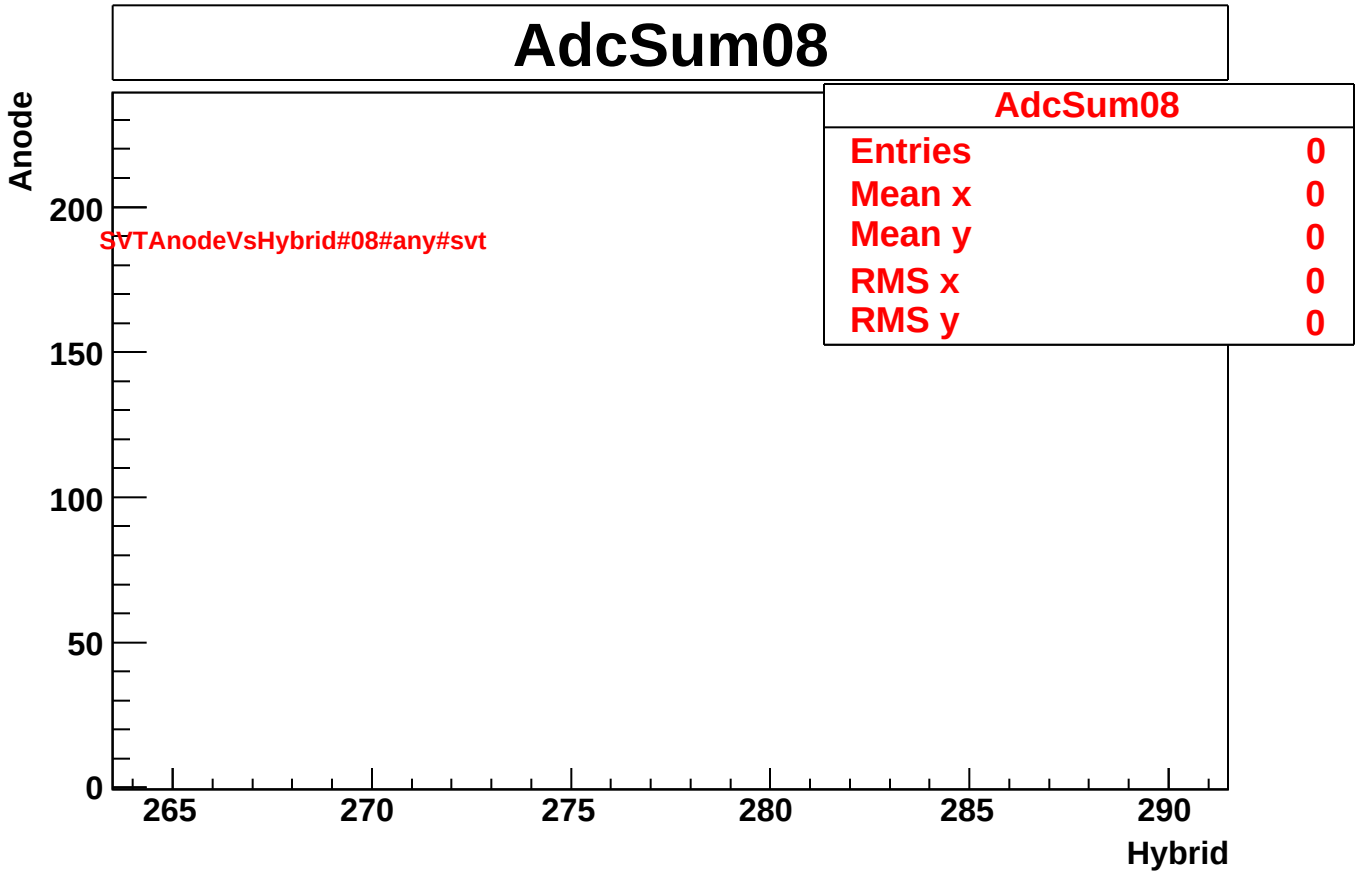

Hit05
Hit05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

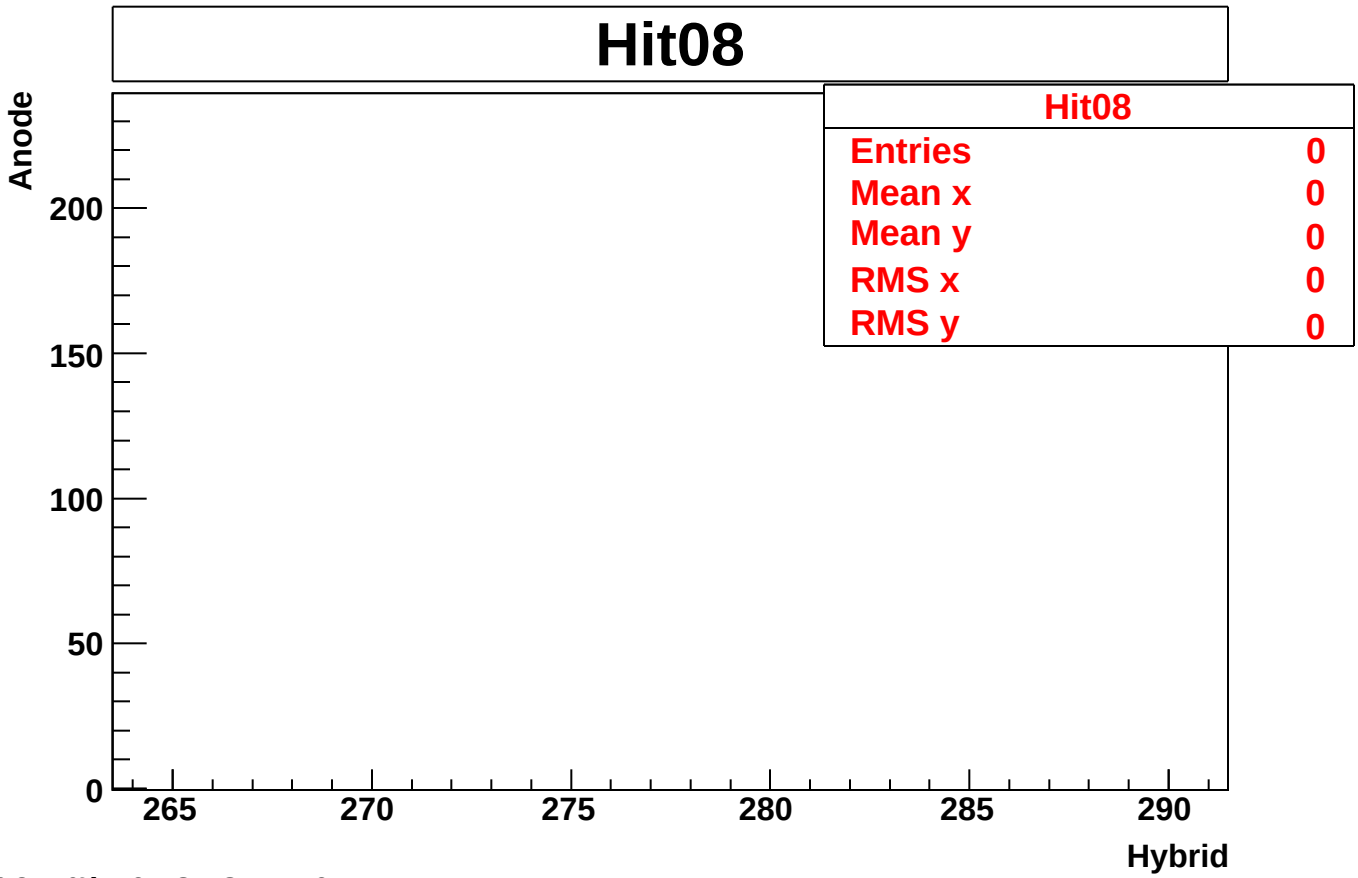

AdcSum06
AdcSum06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#06#any#svt
Anode
0
50
100
150
200
210
215
220
225
230
235
Hybrid

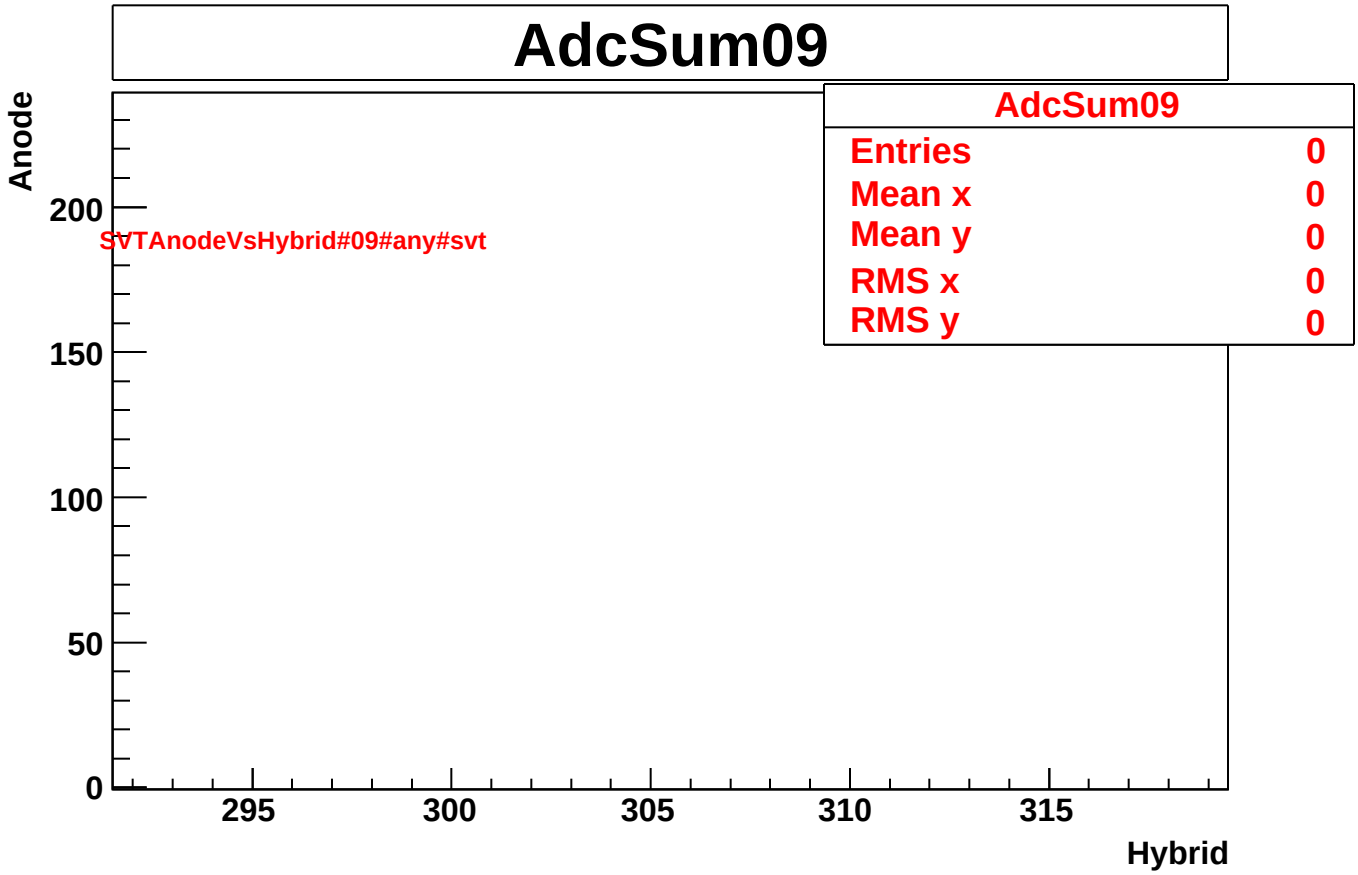

Hit06
Hit06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
210
215
220
225
230
235
Hybrid

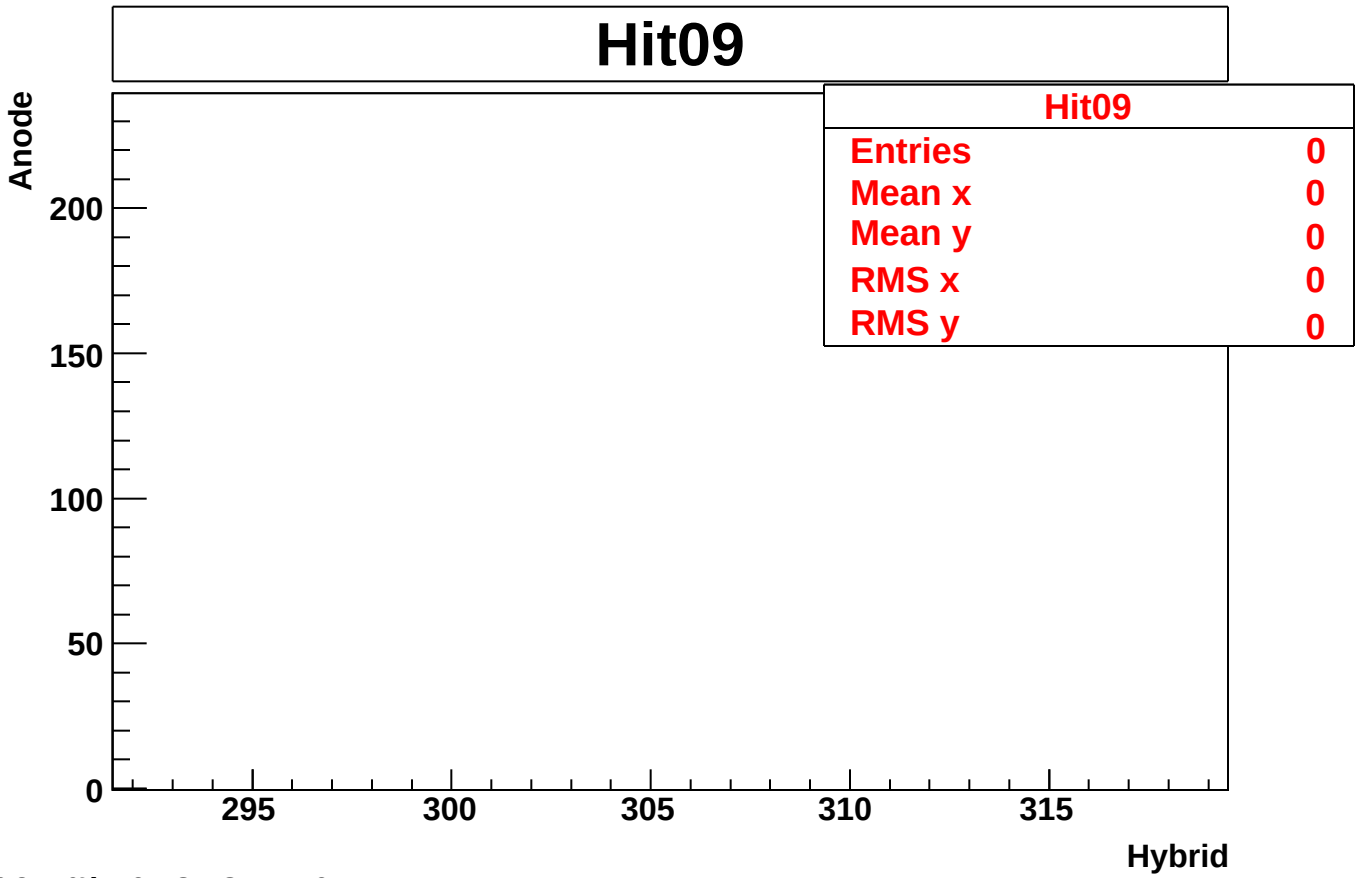

AdcSum07
AdcSum07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#07#any#svt
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

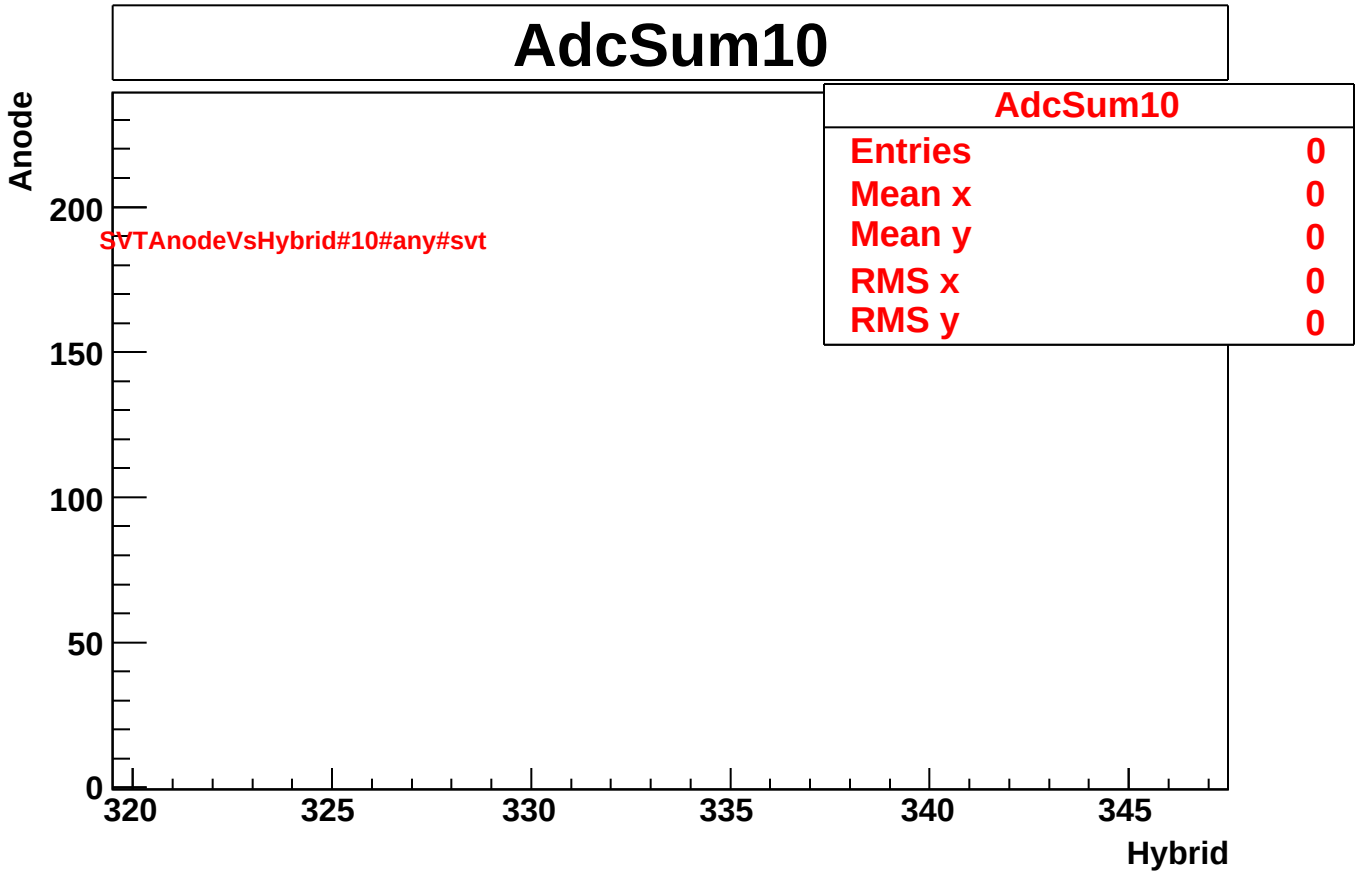

Hit07
Hit07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

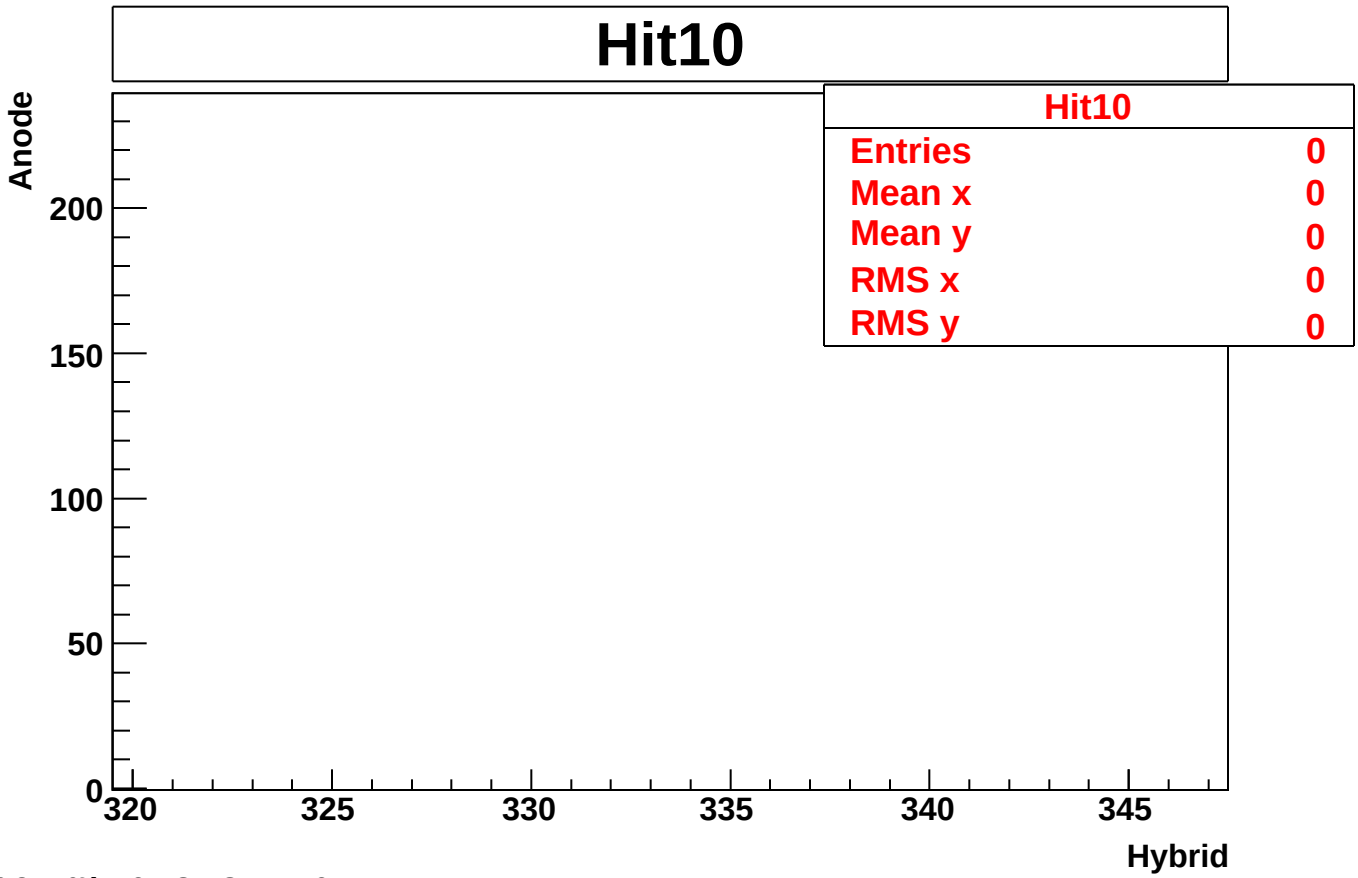

AdcSum08
AdcSum08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#08#any#svt
Anode
200
150
100
50
0
265
270
275
280
285
290
Hybrid

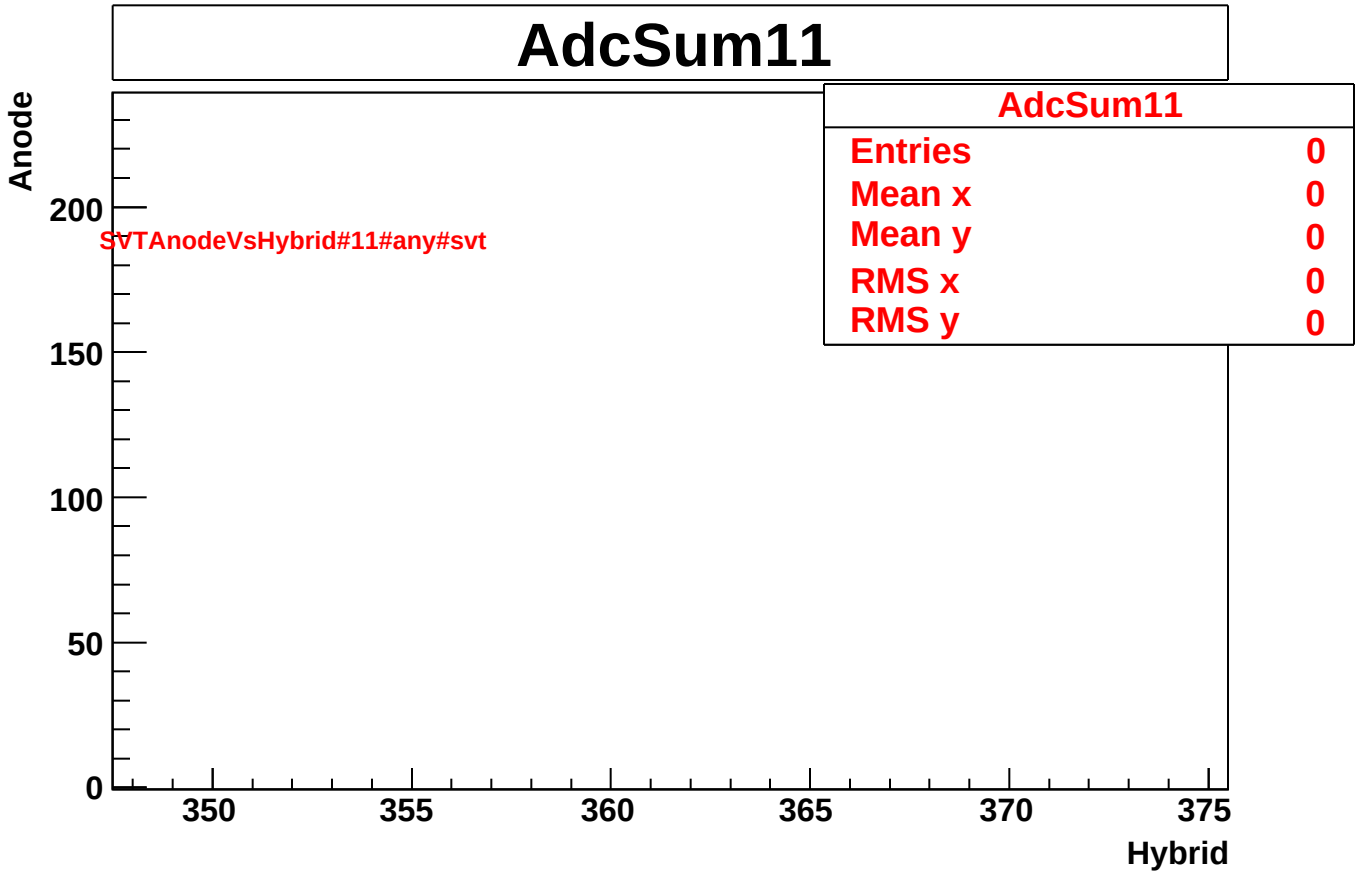

Hit08
Hit08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
265
270
275
280
285
290
Hybrid

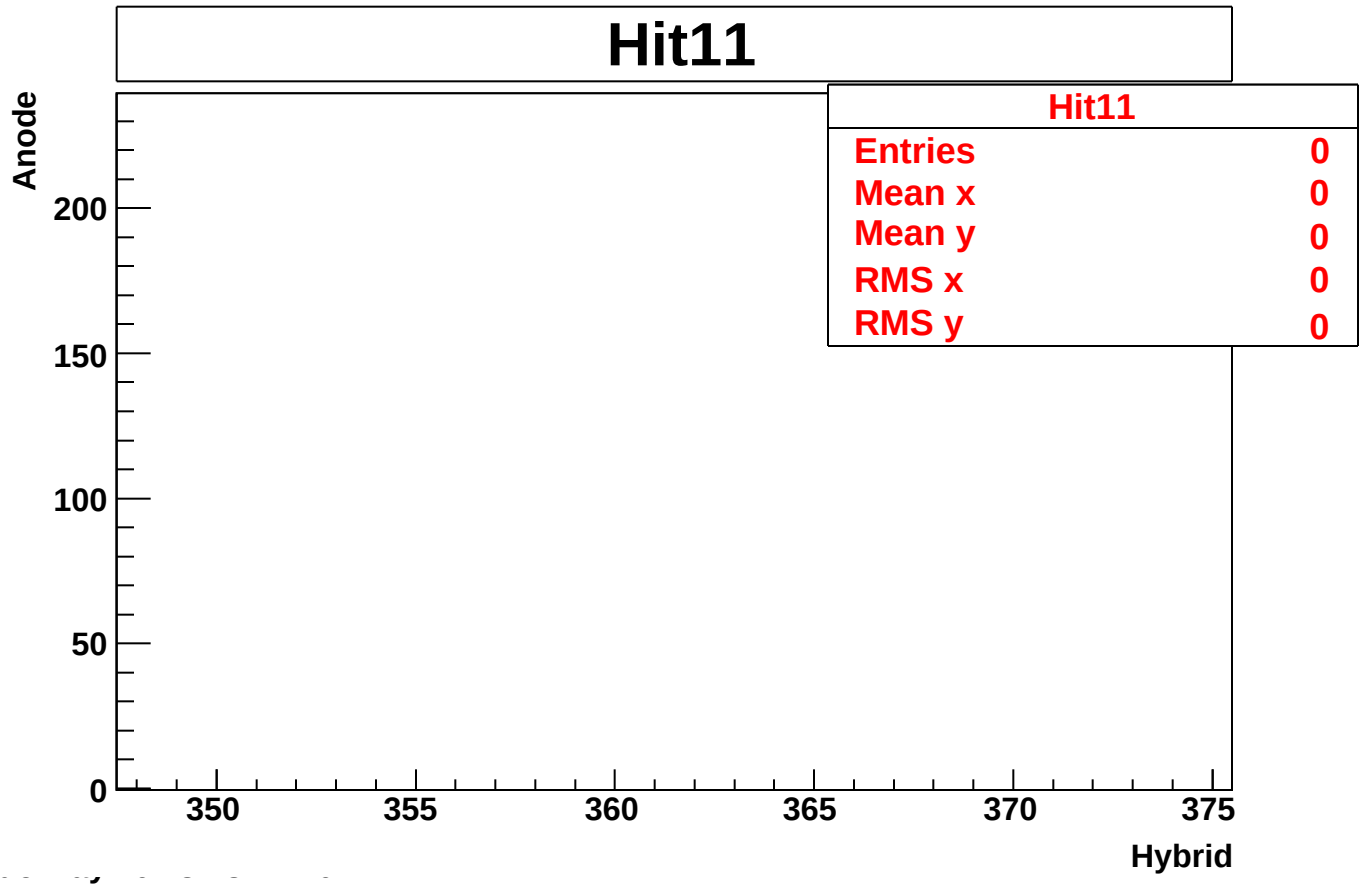

AdcSum09
AdcSum09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#09#any#svt
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

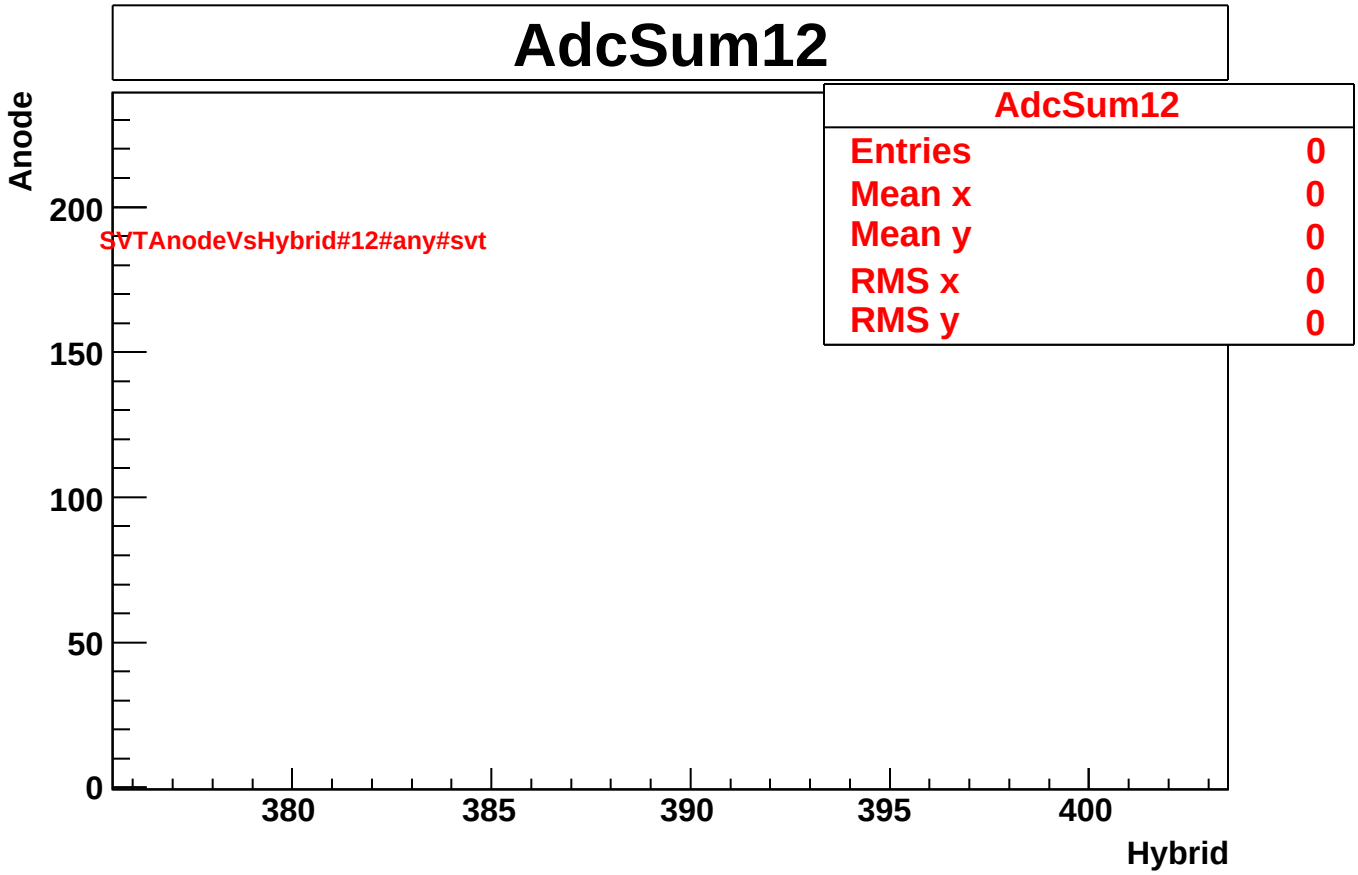

Hit09
Hit09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

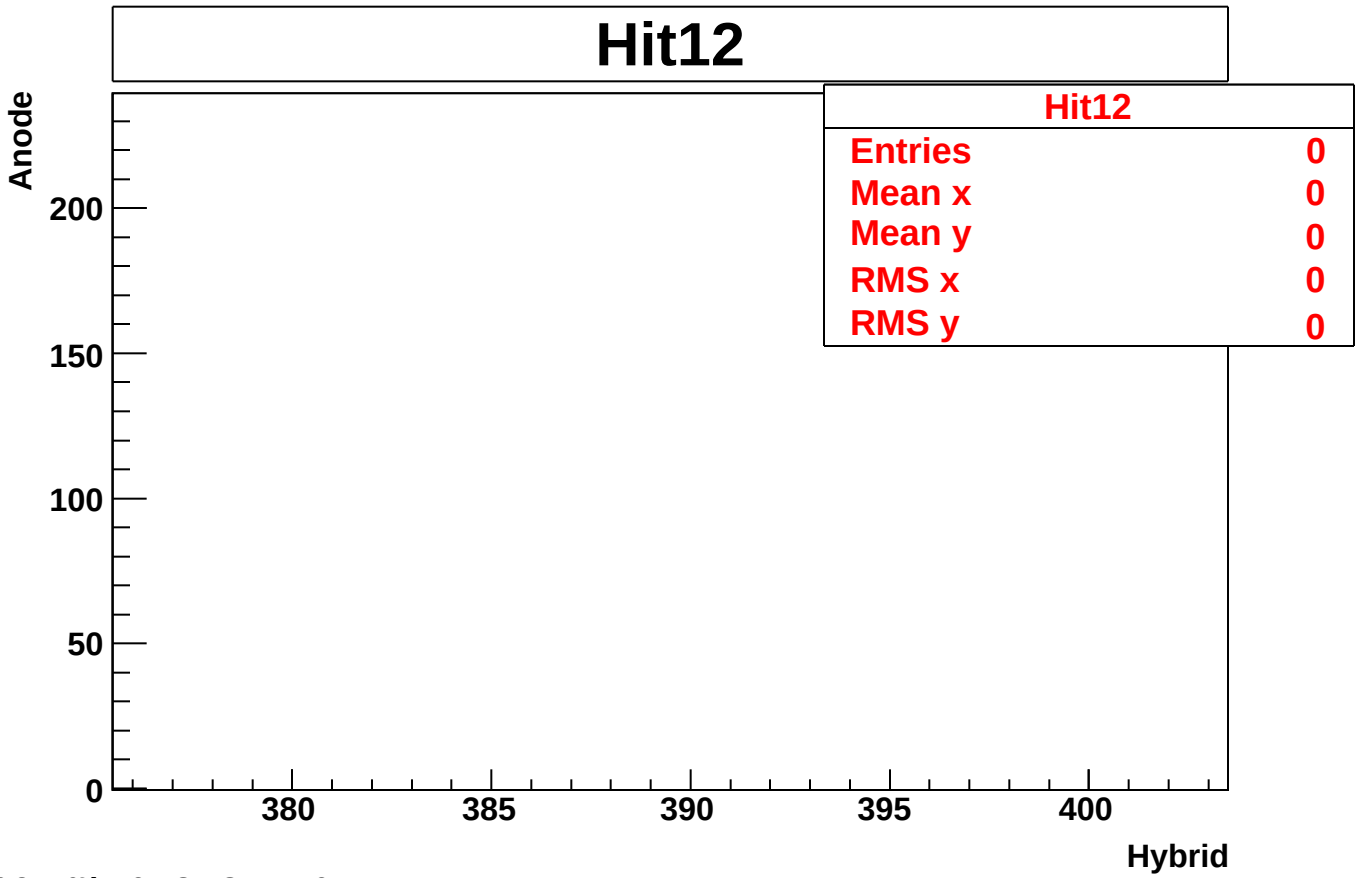

AdcSum10
AdcSum10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#10#any#svt
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

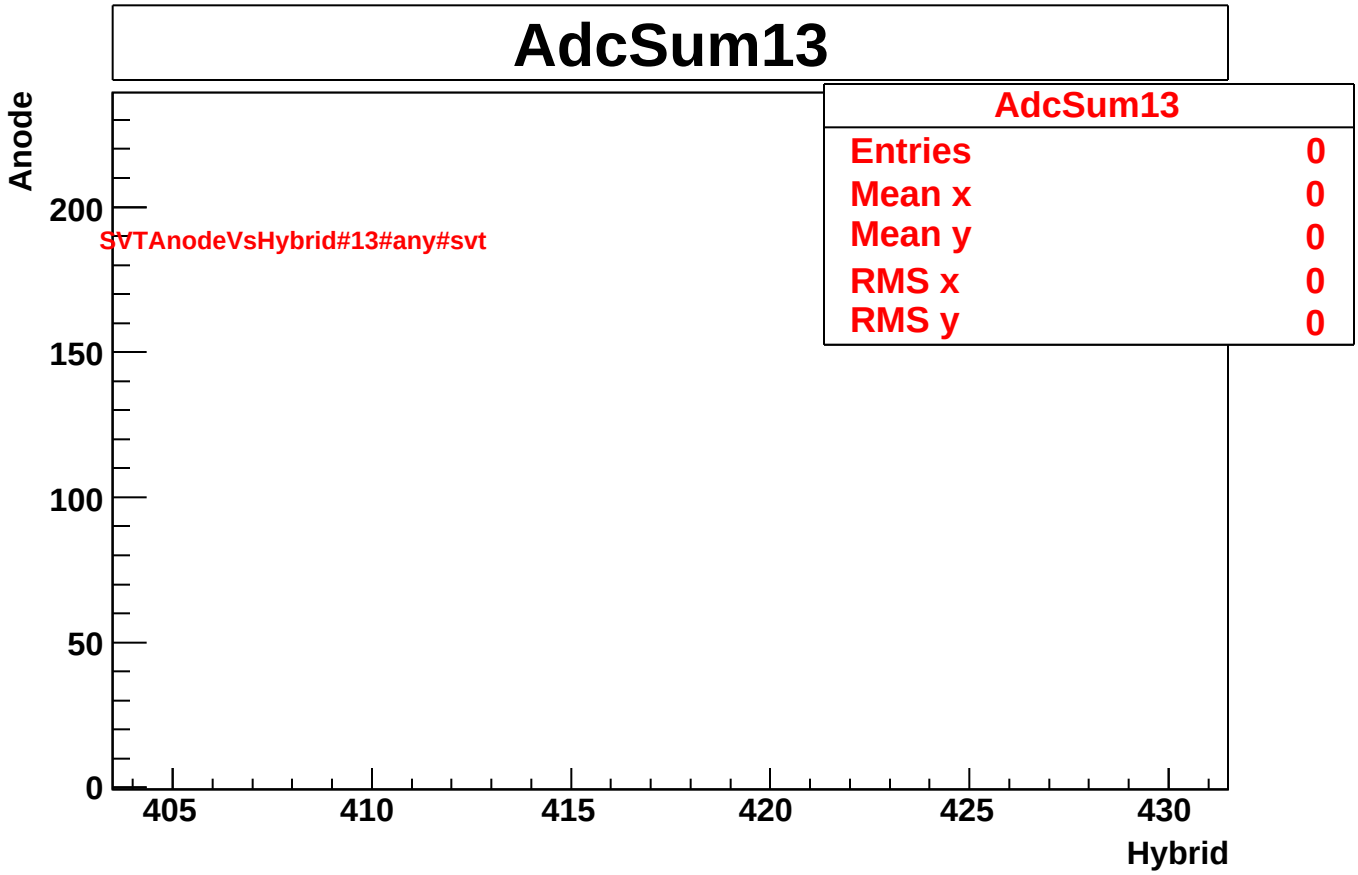

Hit10
Hit10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

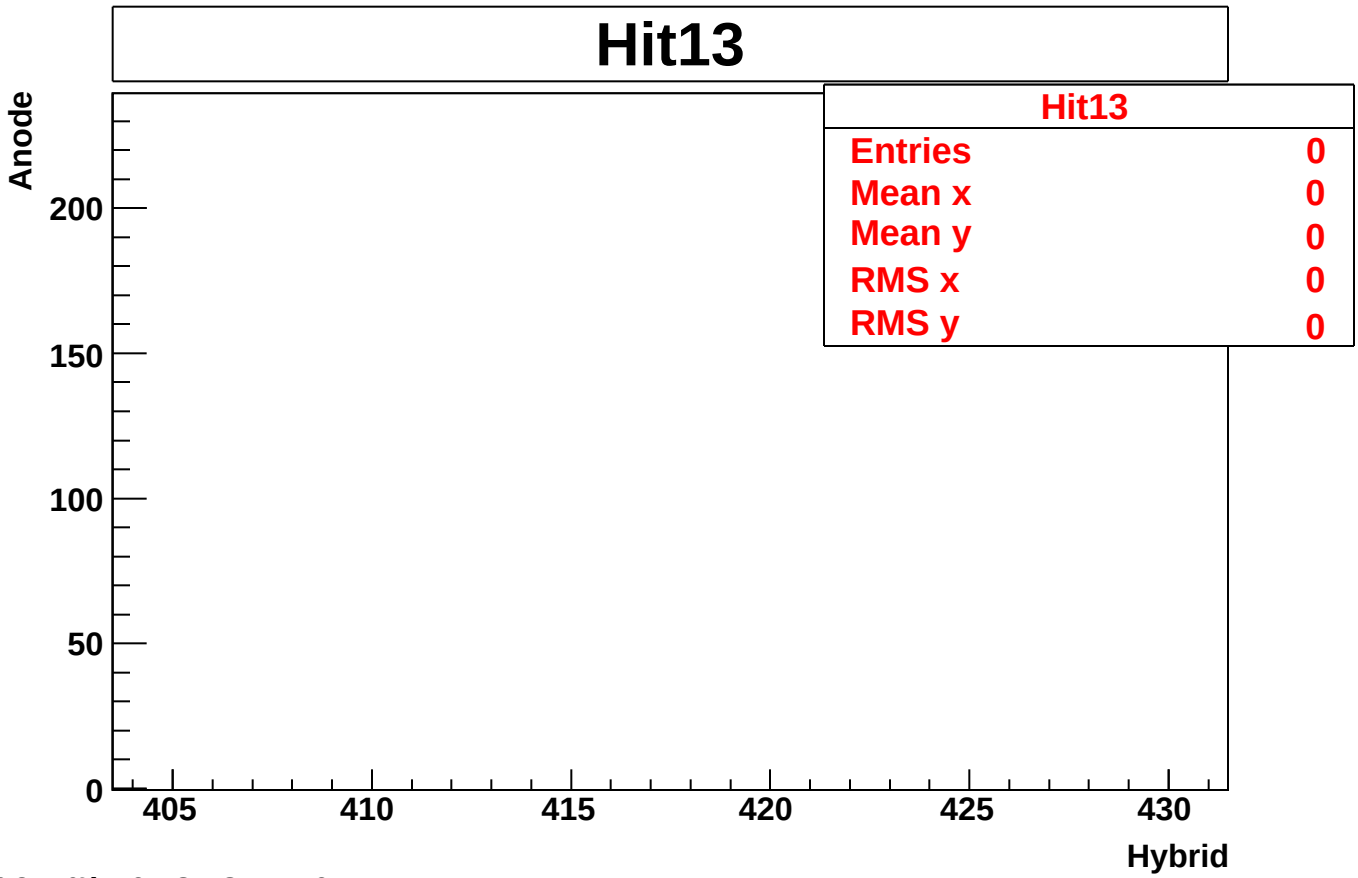

AdcSum11
AdcSum11
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#11#any#svt
Anode
0
50
100
150
200
350
355
360
365
370
375
Hybrid


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

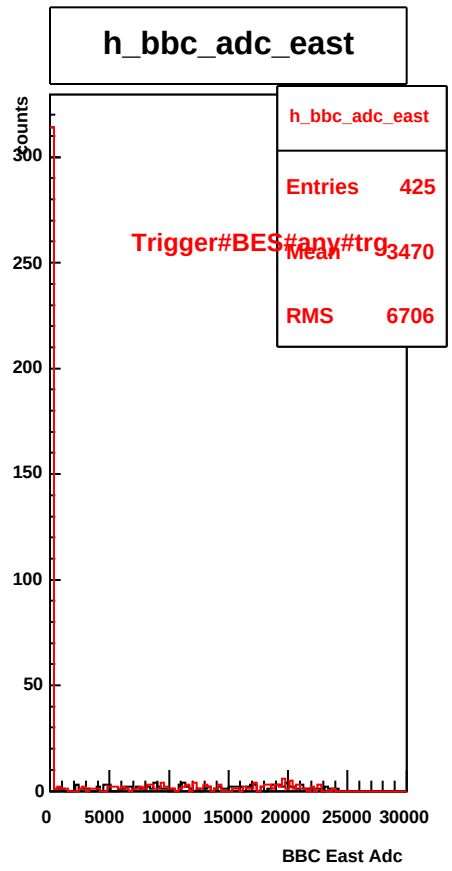

AdcSum12
AdcSum12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#12#any#svt
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

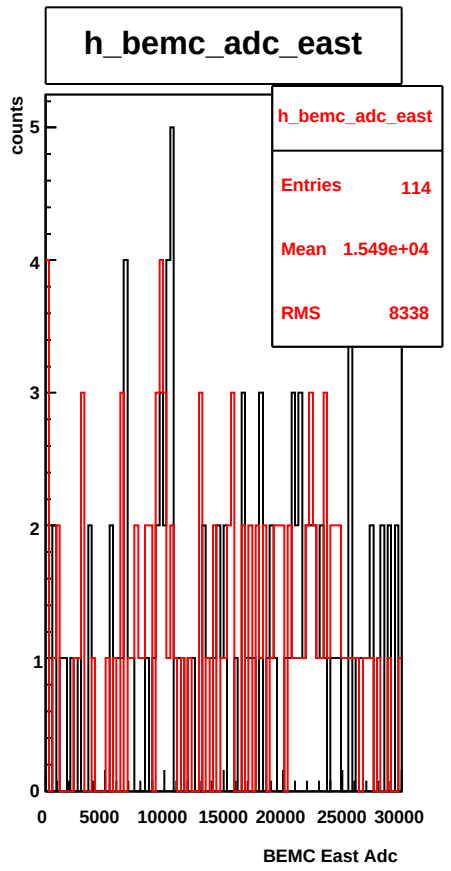

Hit12
Hit12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

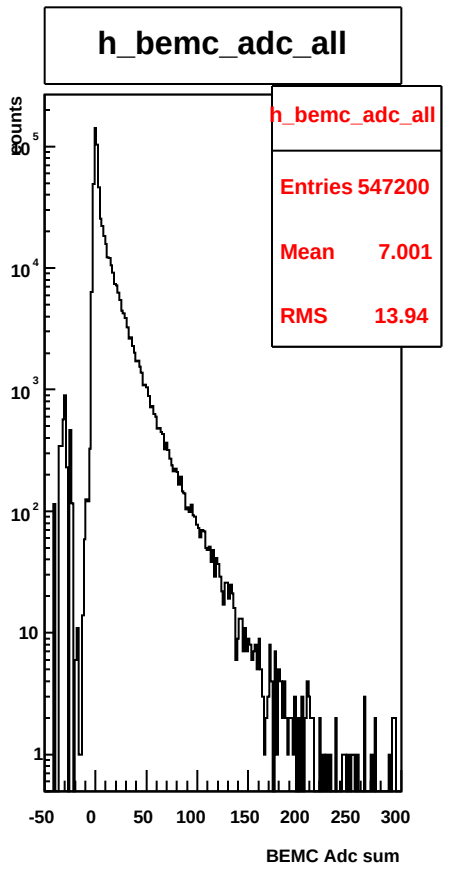

AdcSum13
AdcSum13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#13#any#svt
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

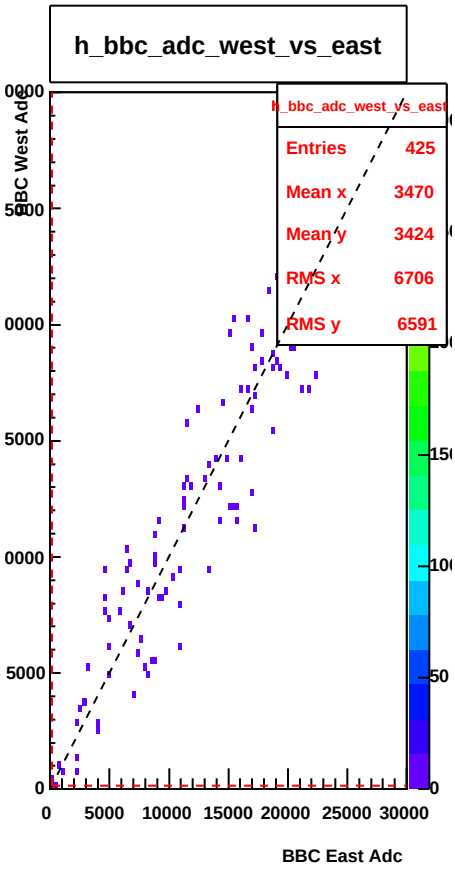

Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

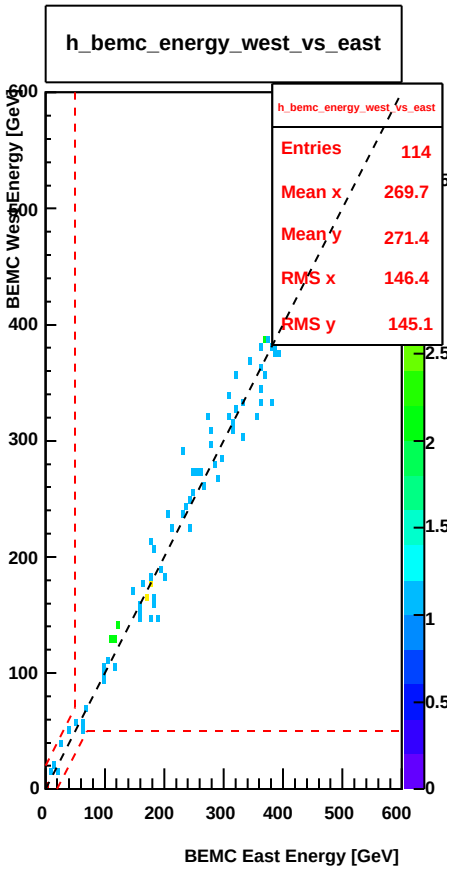
Ssd#Pedestal#pedestal#ssd

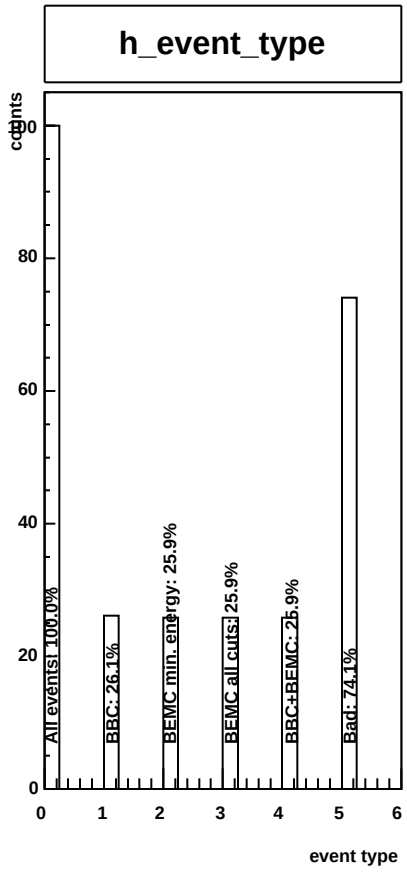

h_bbc_adc_east
h_bbc_adc_east
Entries 425
Mean 3470
RMS 6706
Trigger#BES#any#trg
counts
BBC East Adc

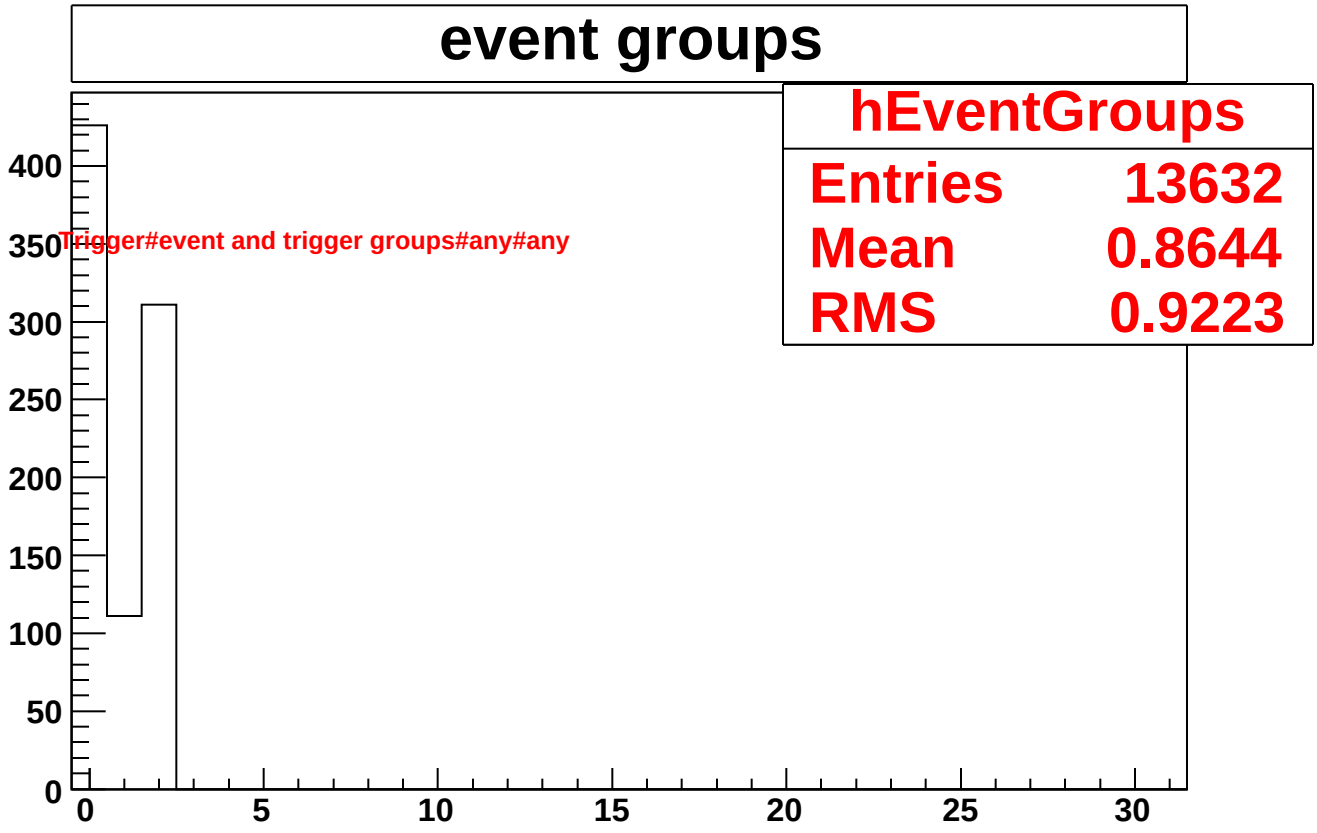

h_bemc_adc_east
h_bemc_adc_east
Entries 114
Mean 1.549e+04
RMS 8338
counts
BEMC East Adc

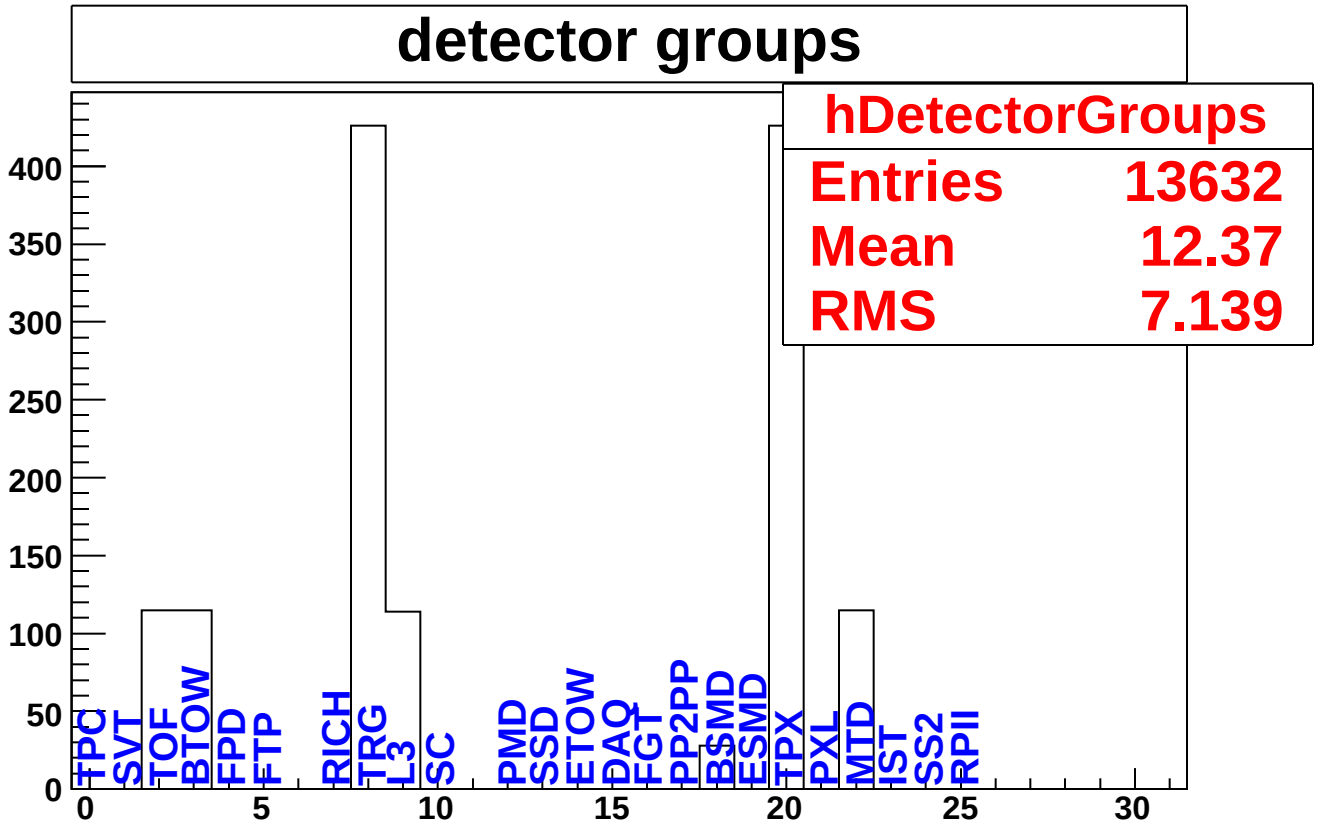

h_bemc_adc_all
h_bemc_adc_all
Entries 547200
Mean 7.001
RMS 13.94
counts
BEMC Adc sum

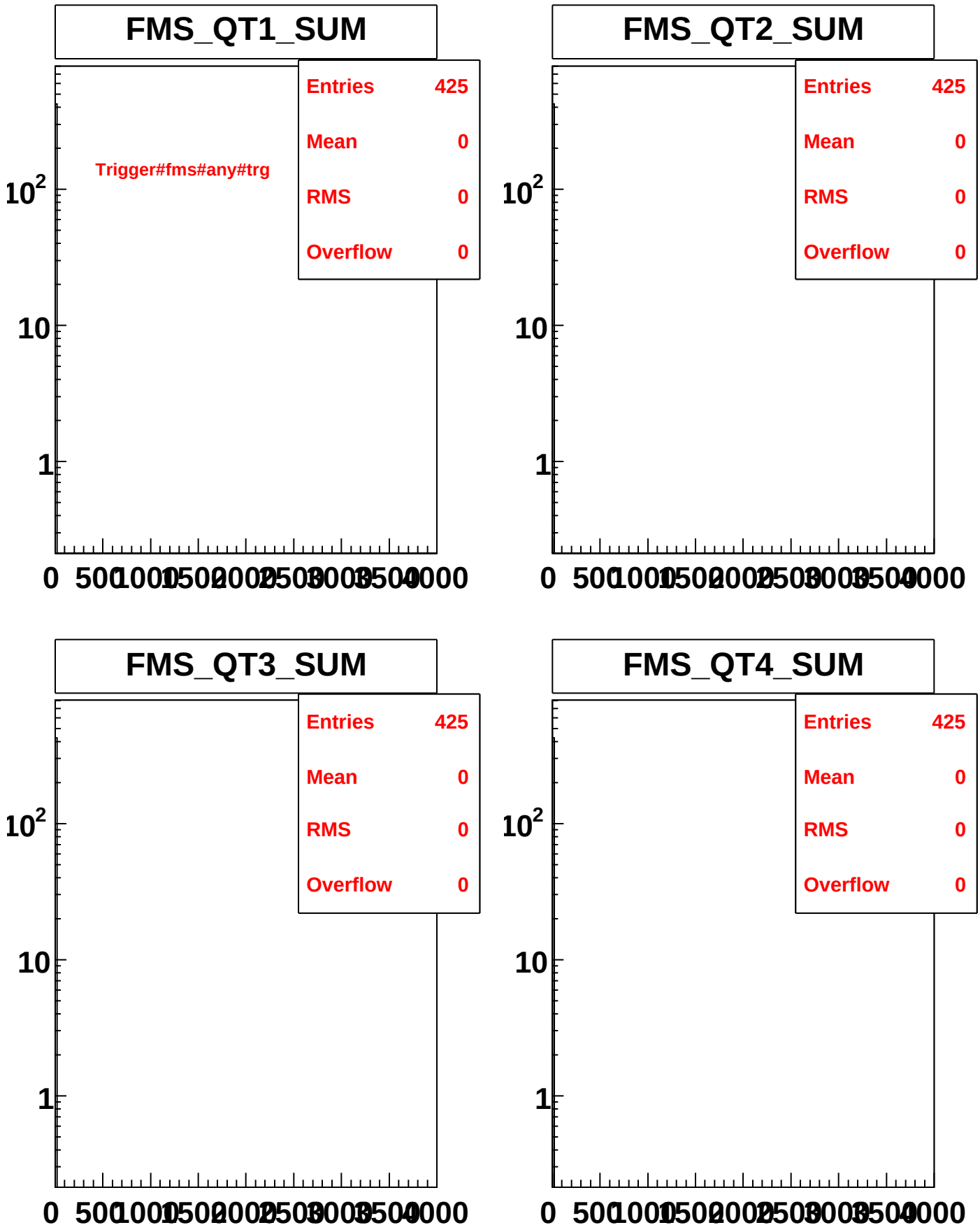

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 425
Mean x 3470
Mean y 3424
RMS x 6706
RMS y 6591
BBC West Adc
BBC East Adc

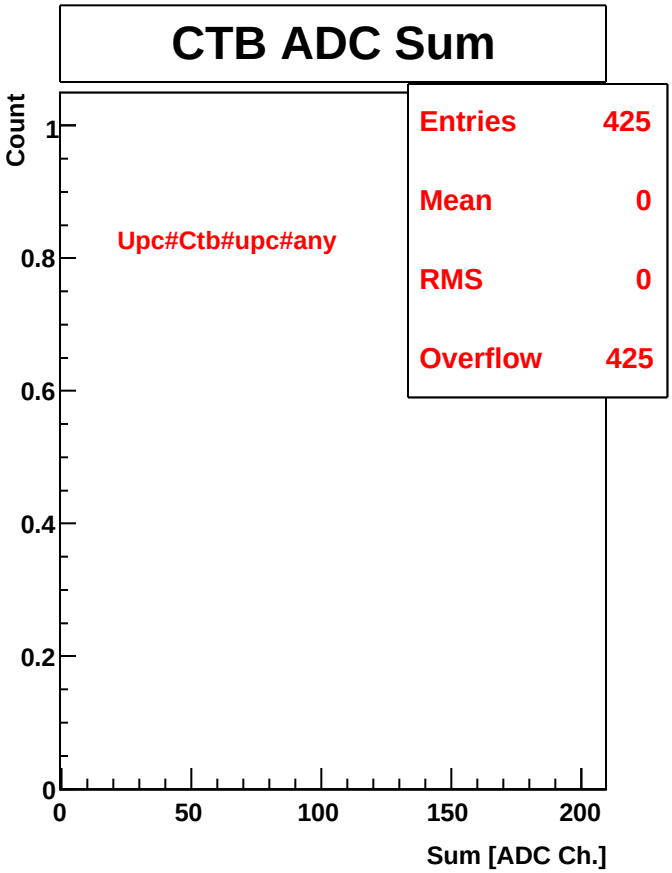

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 114
Mean x 269.7
Mean y 271.4
RMS x 146.4
RMS y 145.1
BEMC West Energy [GeV]
BEMC East Energy [GeV]

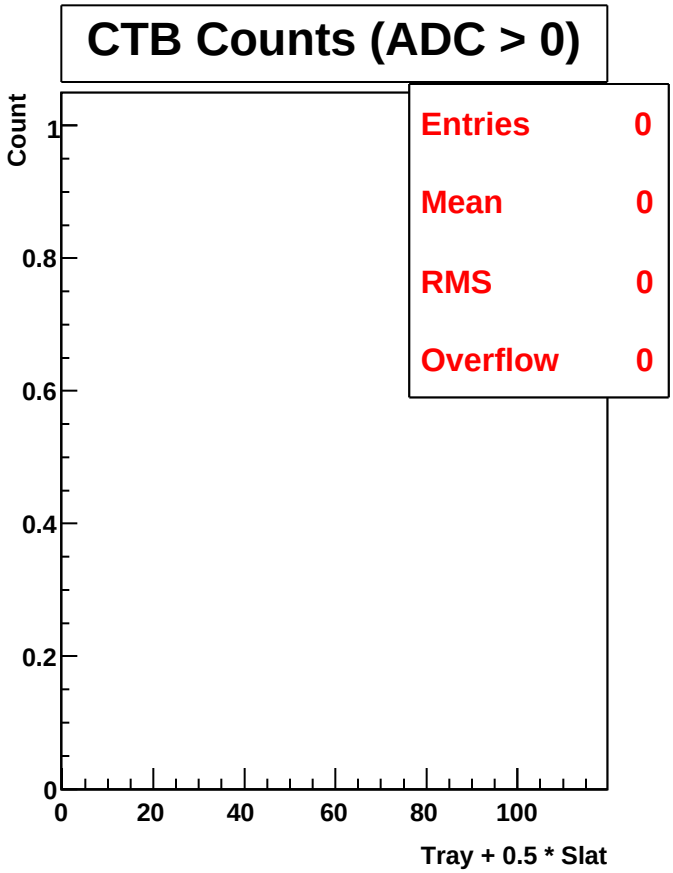

h_event_type
counts
All events: 100.0%
BBC: 26.1%
BEMC min. energy: 25.9%
BEMC all cuts: 25.9%
BBC+BEMC: 25.9%
Bad: 74.1%
event type

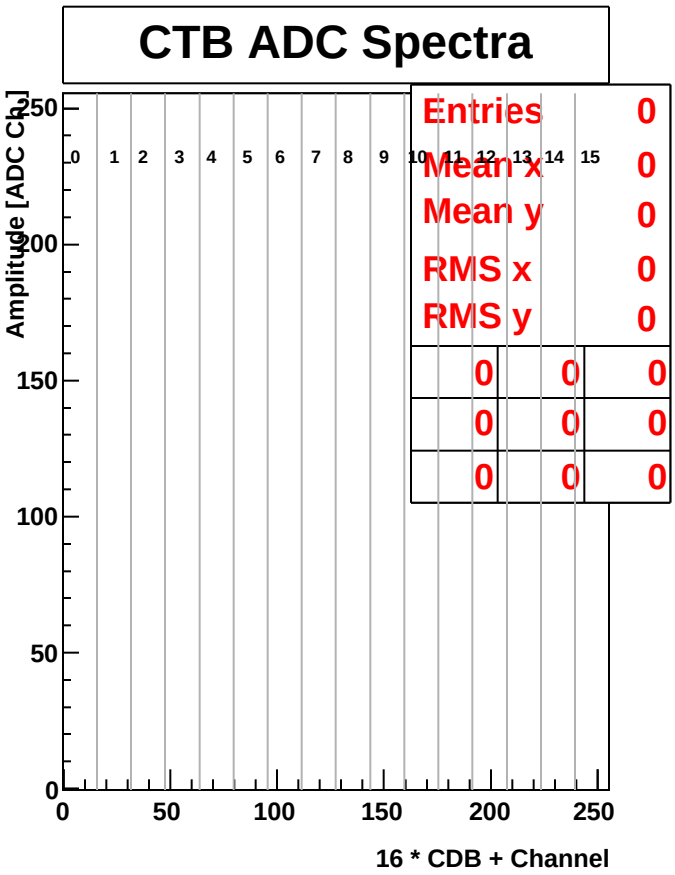

event groups
hEventGroups
Entries 13632
Mean 0.8644
RMS 0.9223
Trigger#event and trigger groups#any#any
0
50
100
150
200
250
300
350
400
0
5
10
15
20
25
30

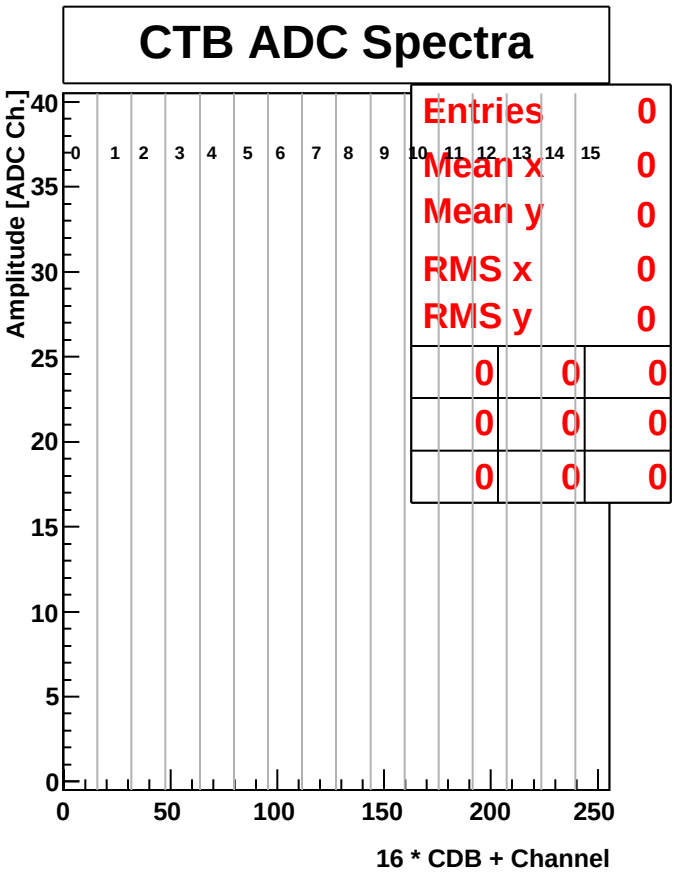

detector groups
hDetectorGroups
Entries 13632
Mean 12.37
RMS 7.139
0
50
100
150
200
250
300
350
400
0
5
10
15
20
25
30
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII

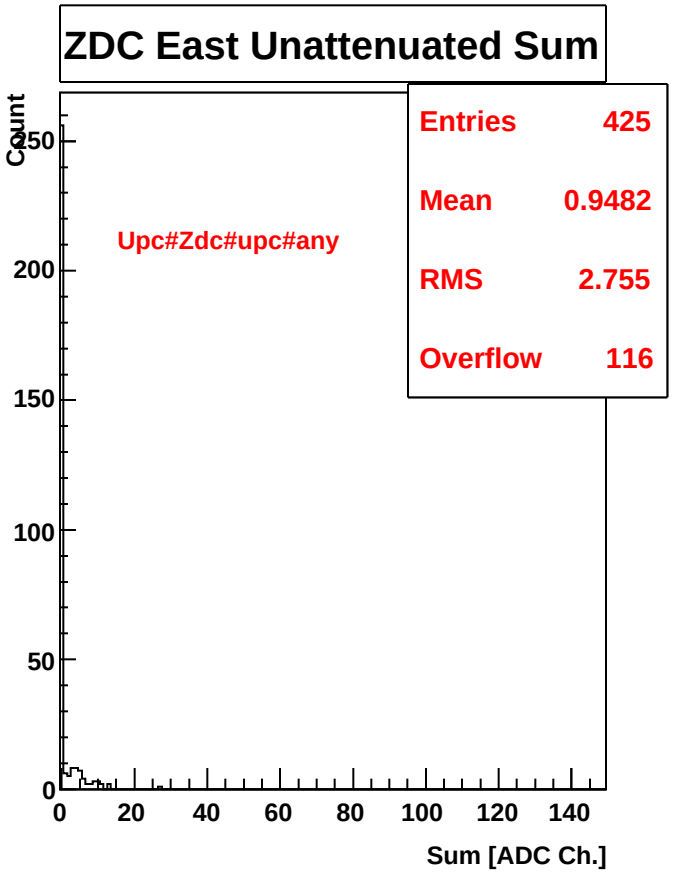

FMS_QT1_SUM
Entries 425
Mean 0
RMS 0
Overflow 0
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 425
Mean 0
RMS 0
Overflow 0
FMS_QT3_SUM
Entries 425
Mean 0
RMS 0
Overflow 0
FMS_QT4_SUM
Entries 425
Mean 0
RMS 0
Overflow 0

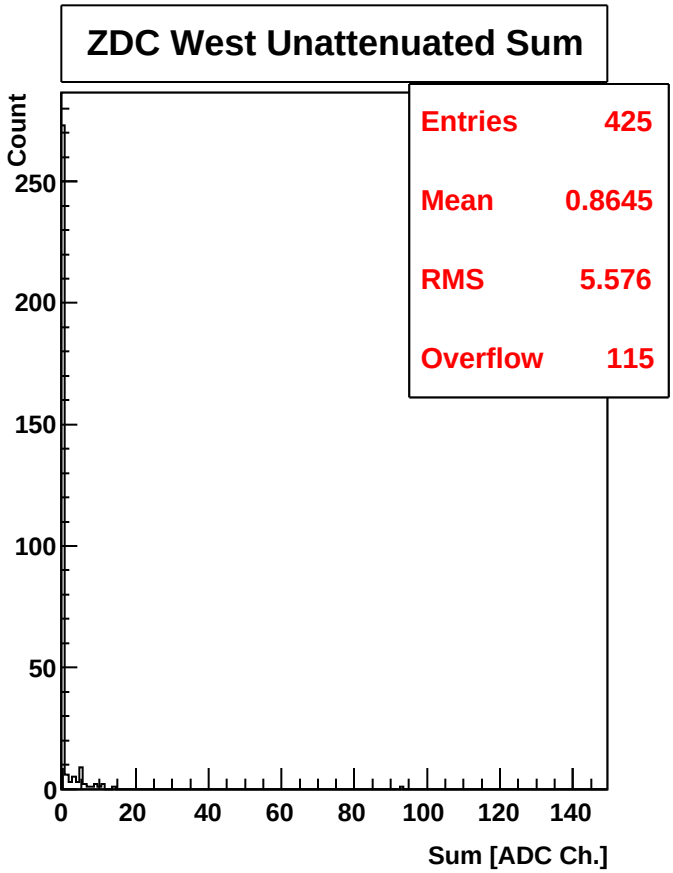

CTB ADC Sum
Count
Upc#Ctb#upc#any
Entries 425
Mean 0
RMS 0
Overflow 425
Sum [ADC Ch.]

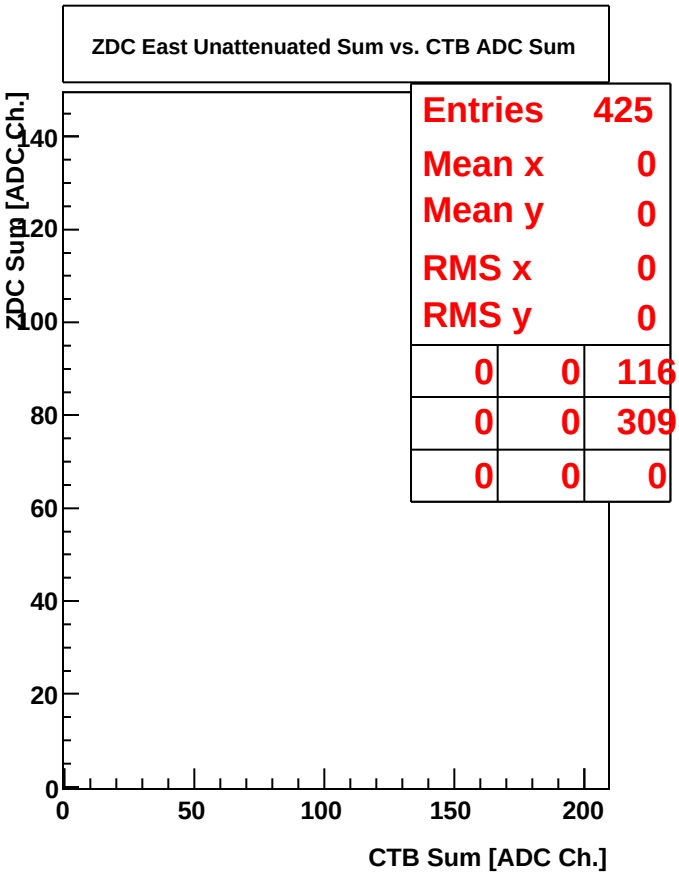

CTB Counts (ADC > 0)
Count
Entries 0
Mean 0
RMS 0
Overflow 0
Tray + 0.5 * Slat

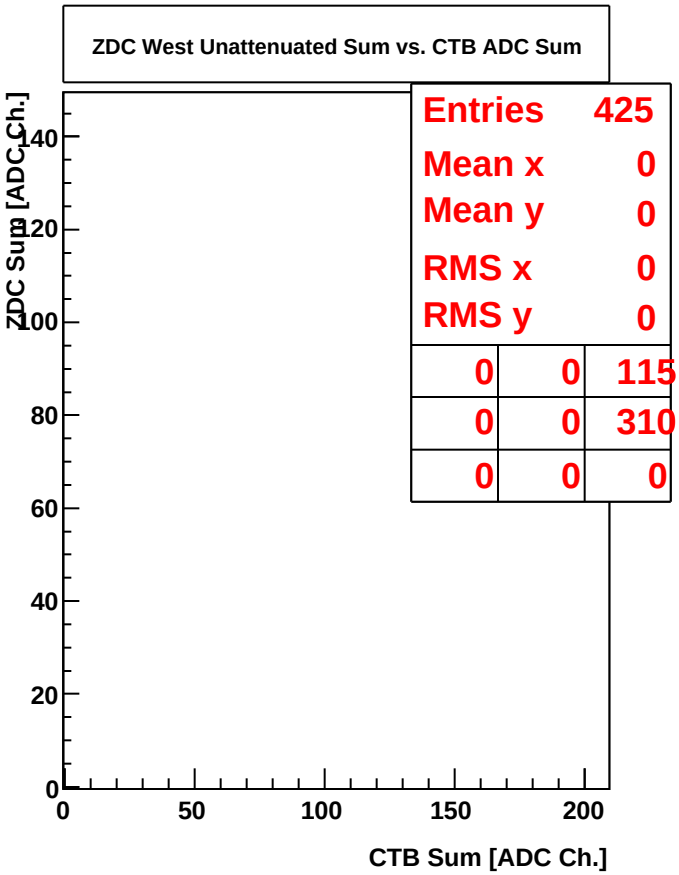

CTB ADC Spectra
Amplitude [ADC Ch.]
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
16 * CDB + Channel


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


ZDC East Unattenuated Sum
Entries 425
Mean 0.9482
RMS 2.755
Overflow 116
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 425
Mean 0.8645
RMS 5.576
Overflow 115
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 425
Mean x 0
Mean y 0
RMS x 0
RMS y 0
0 0 116
0 0 309
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 425
Mean x 0
Mean y 0
RMS x 0
RMS y 0
0 0 115
0 0 310
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]