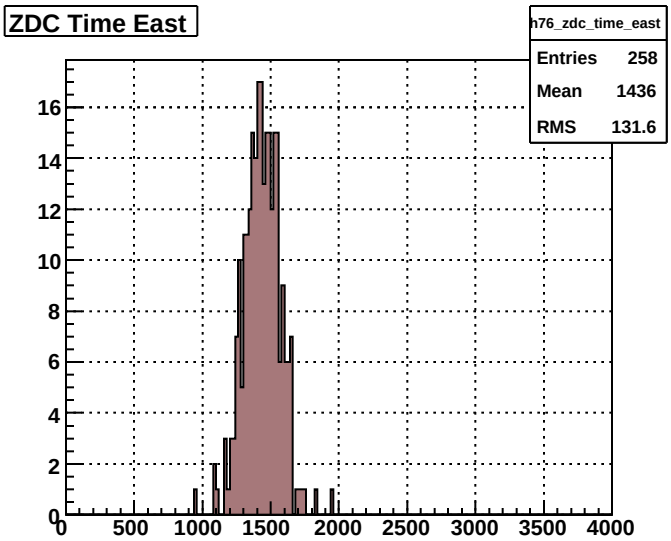
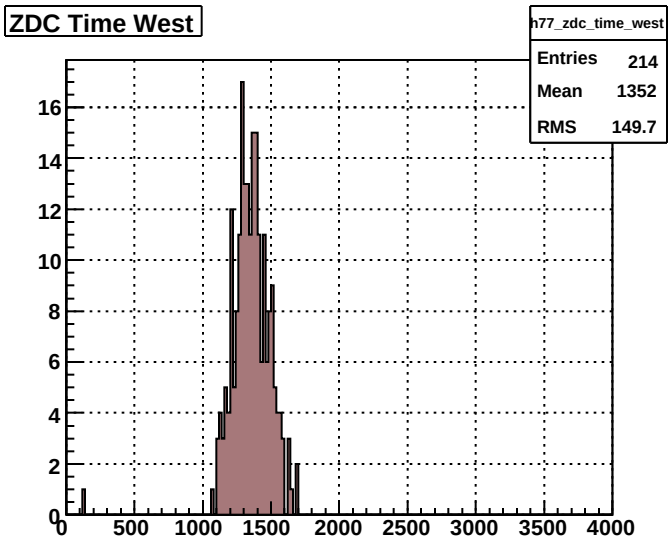
# Run: #12079039

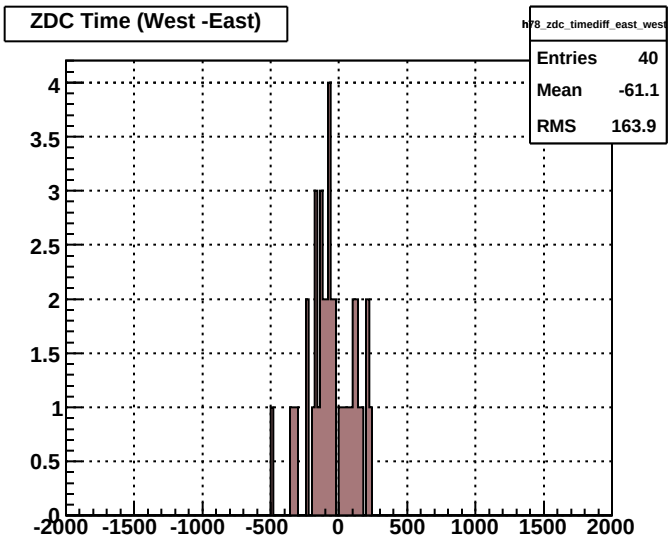
**TriggerBits: 11111111 11111111 11111111 11111111**

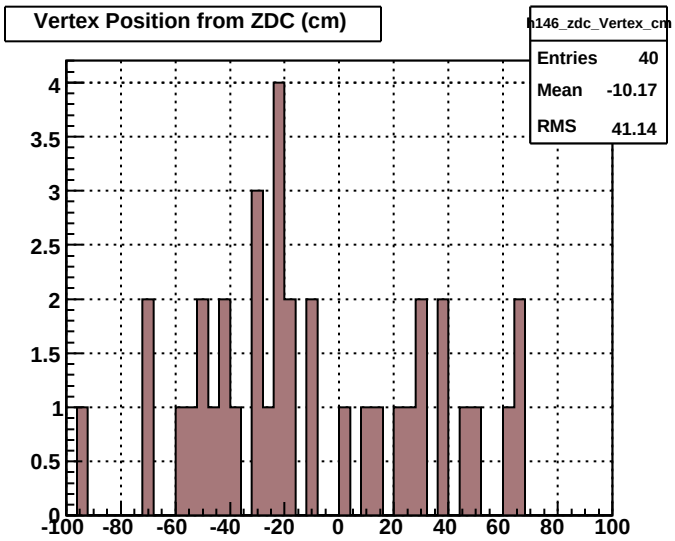
**DetectorBits: 00000000 01011100 01000011 00001100**

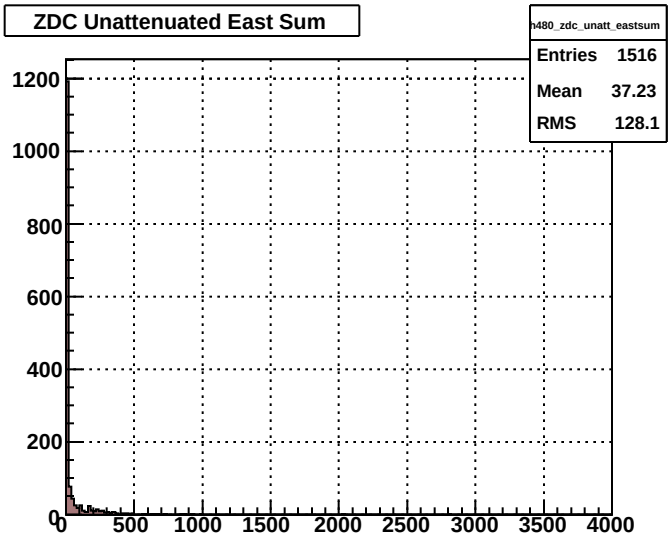
**Sun Mar 20 20:25:23 2011**

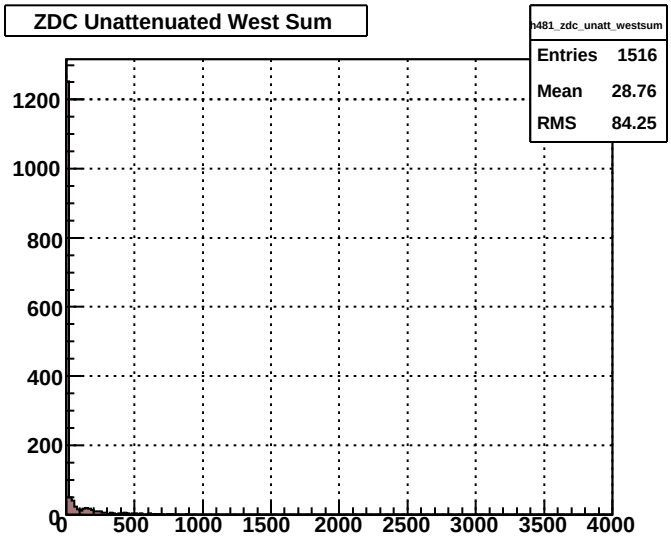

ZDC Time East
h76_zdc_time_east
Entries 258
Mean 1436
RMS 131.6

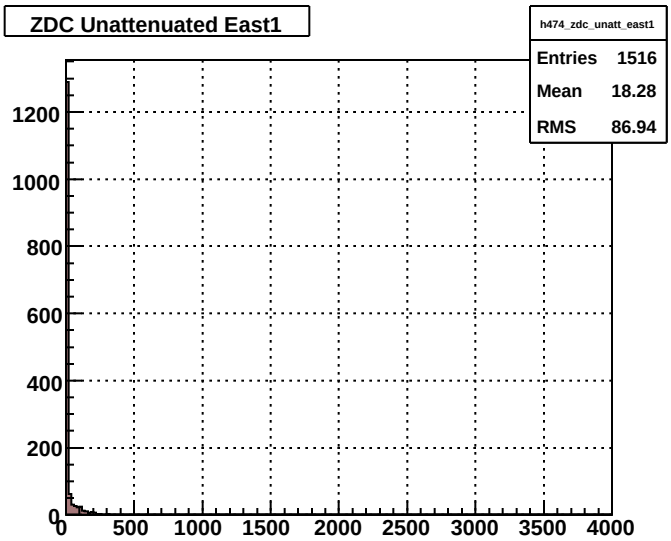

ZDC Time West
h77_zdc_time_west
Entries 214
Mean 1352
RMS 149.7

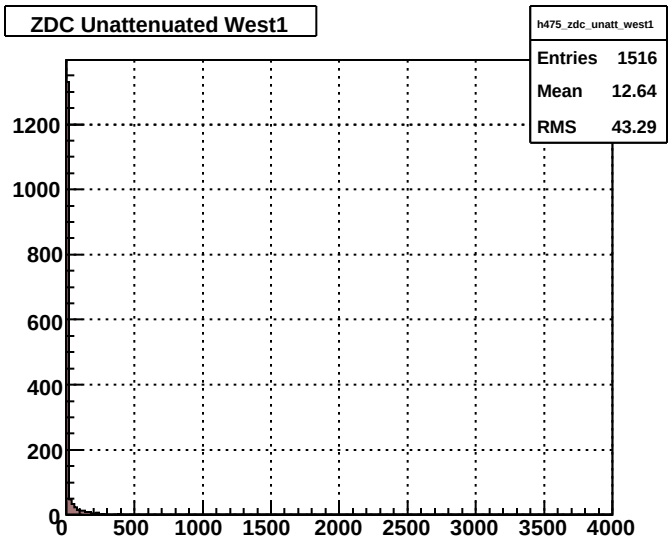

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 40
Mean -61.1
RMS 163.9


Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 40
Mean -10.17
RMS 41.14


ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 1516
Mean 37.23
RMS 128.1


ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 1516
Mean 28.76
RMS 84.25


ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 1516
Mean 18.28
RMS 86.94
0
200
400
600
800
1000
1200
0
500
1000
1500
2000
2500
3000
3500
4000


ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 1516
Mean 12.64
RMS 43.29
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200
400
600
800
1000
1200
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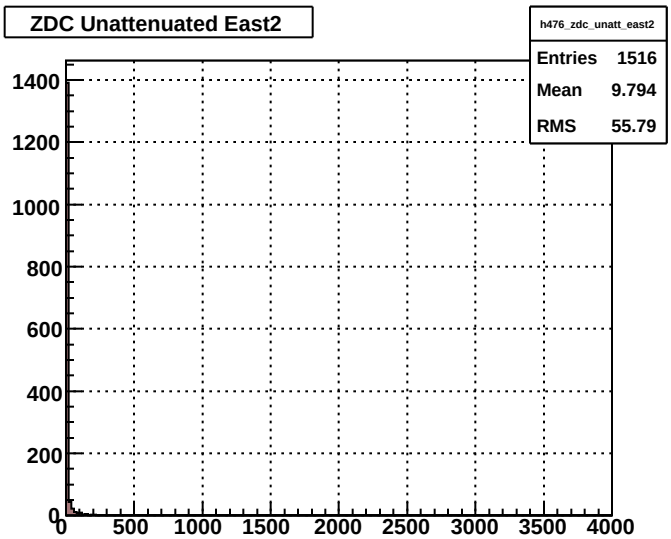
500
1000
1500
2000
2500
3000
3500
4000


ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 1516
Mean 9.794
RMS 55.79
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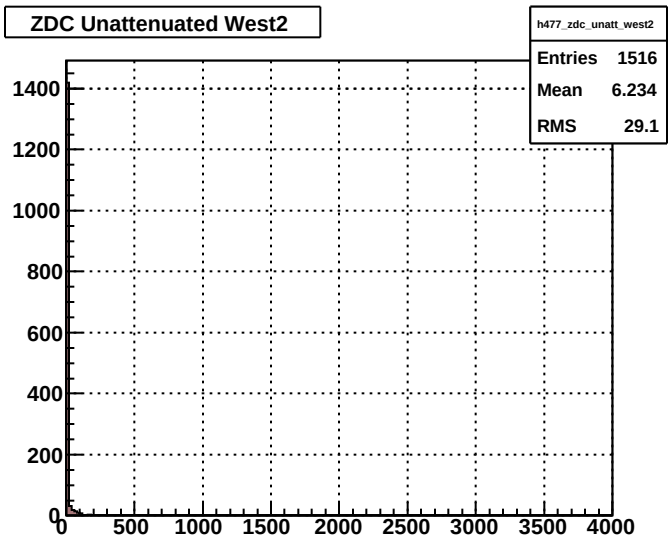
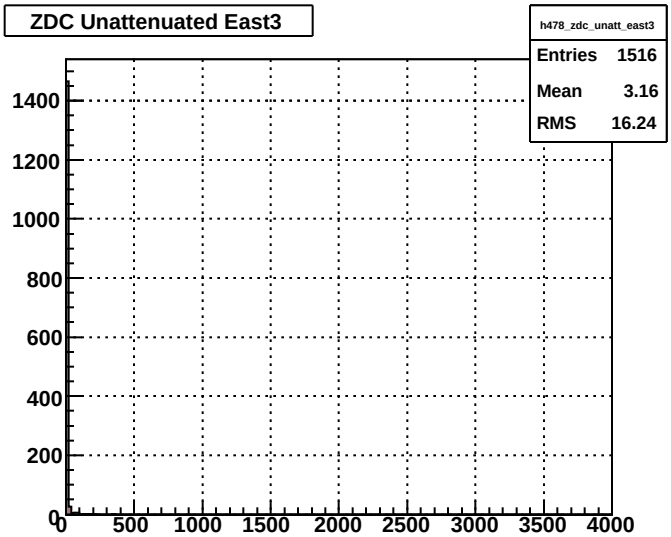
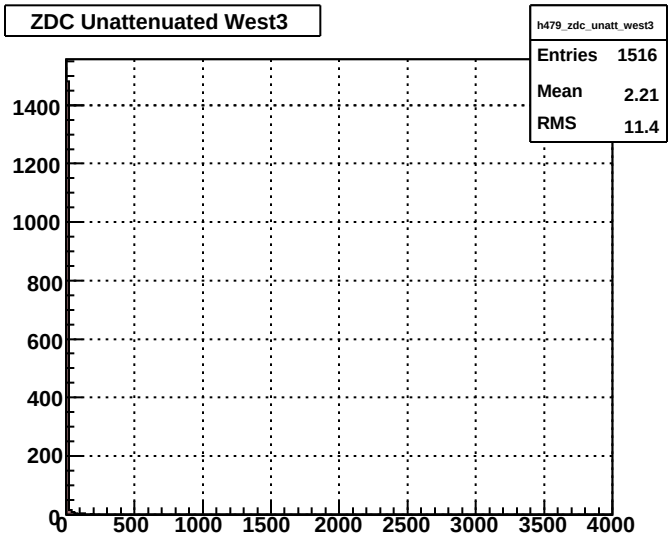
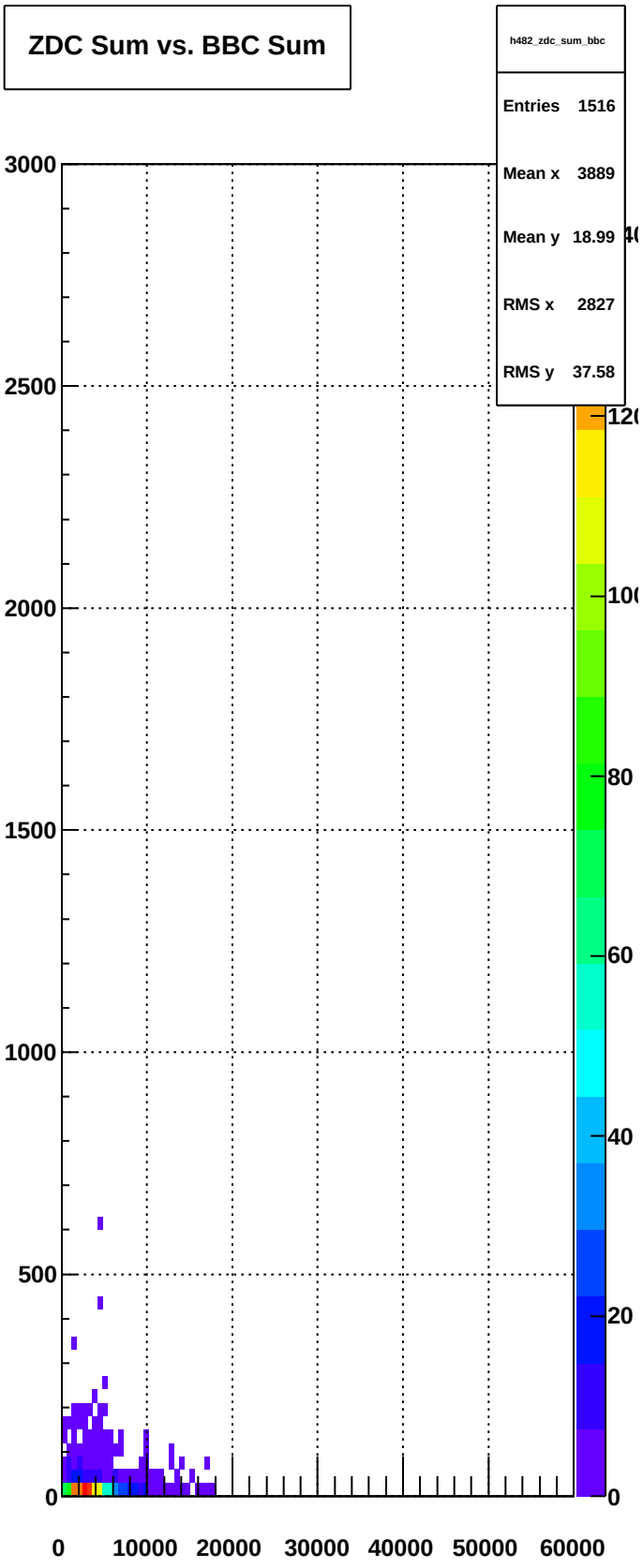
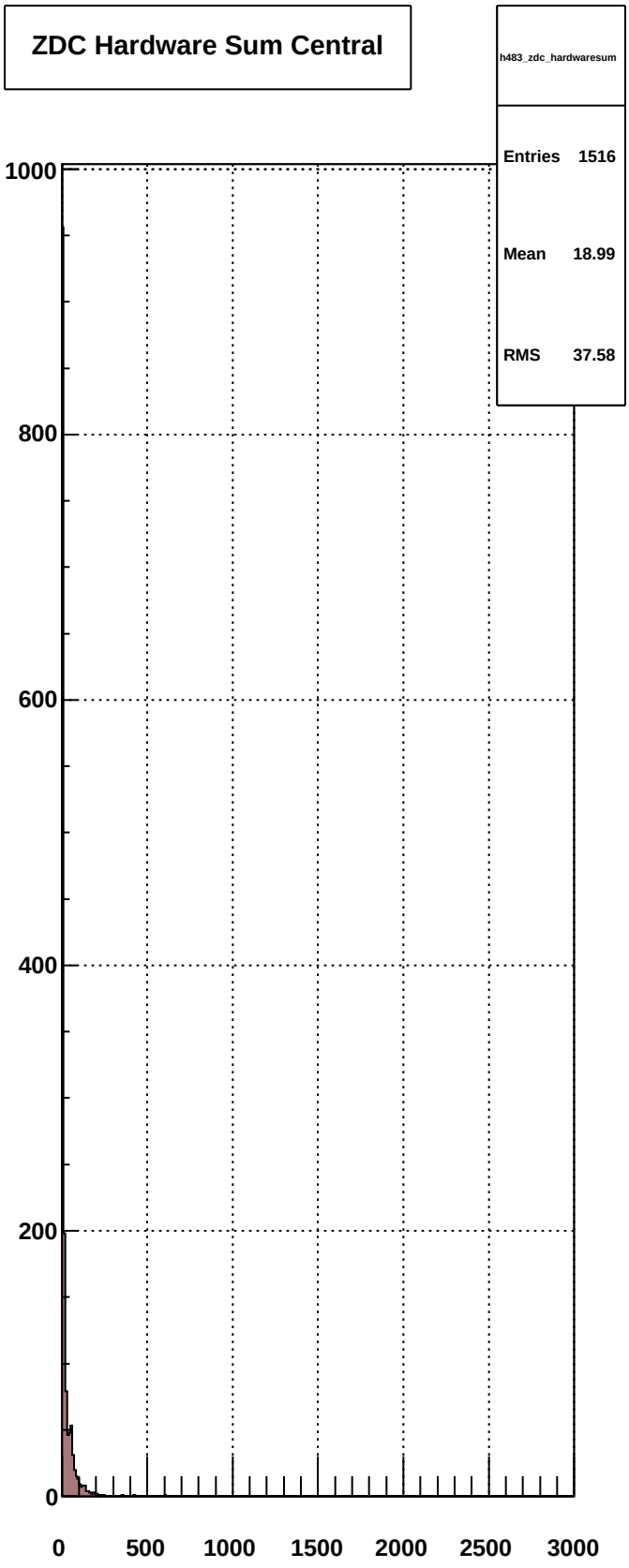
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
2500
3000
3500
4000

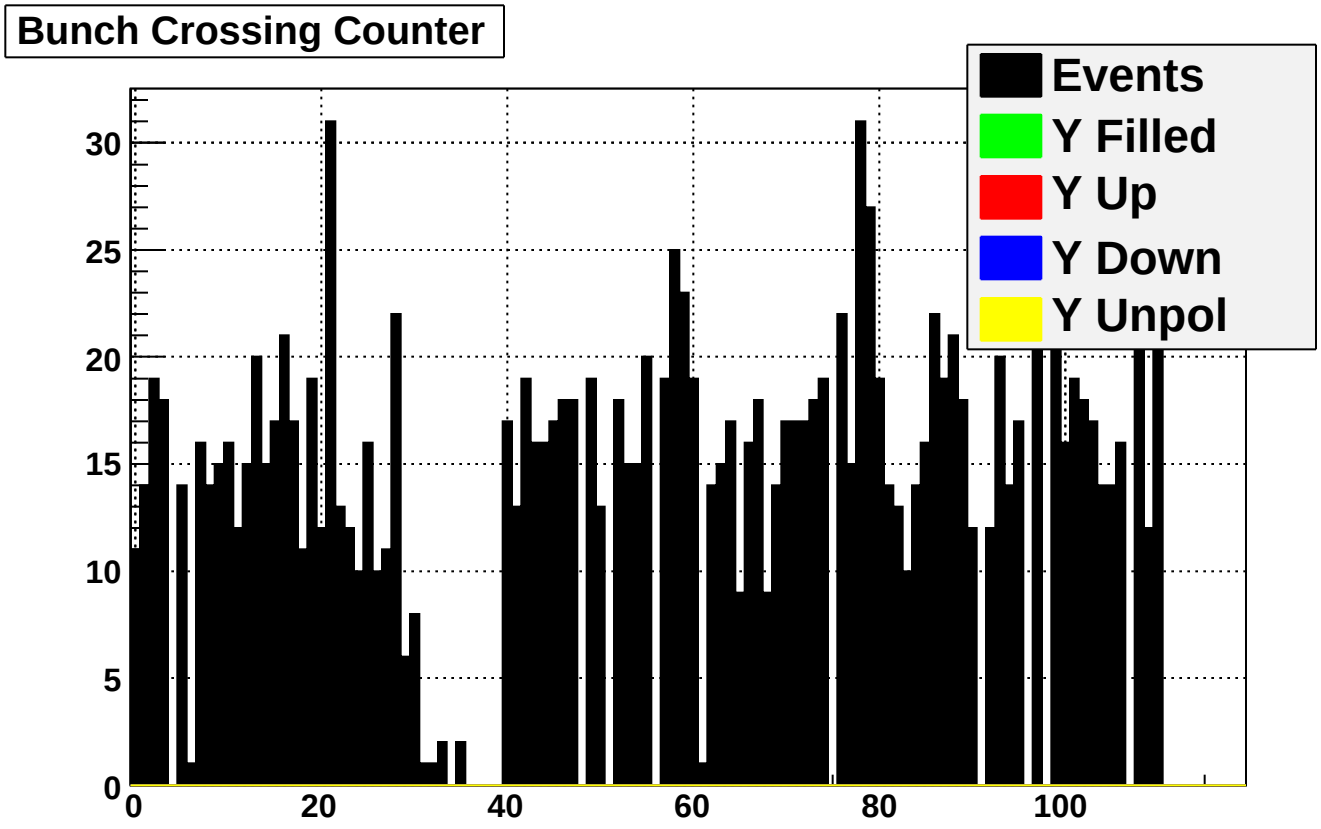

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 1516
Mean 6.234
RMS 29.1
0
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
2500
3000
3500
4000

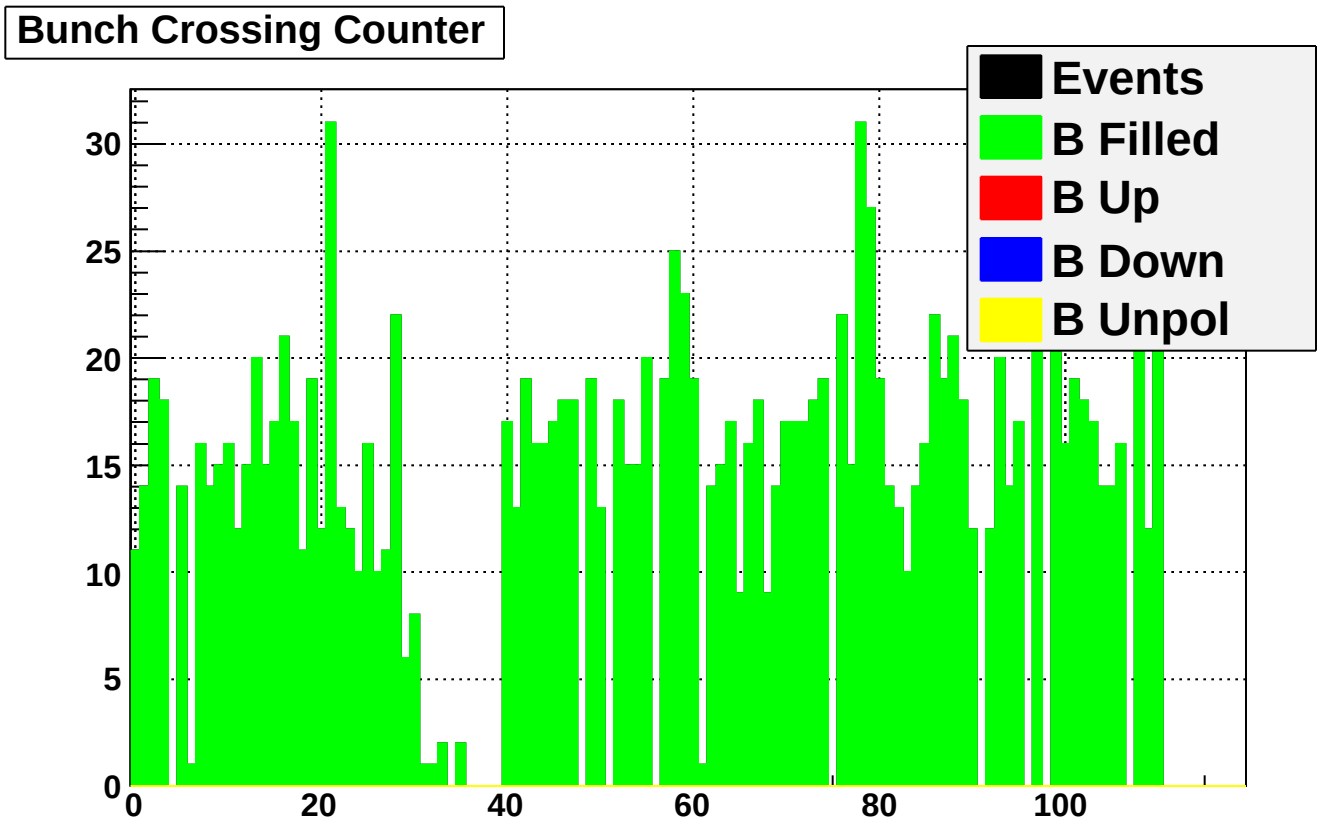

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 1516
Mean 3.16
RMS 16.24
0
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
2500
3000
3500
4000

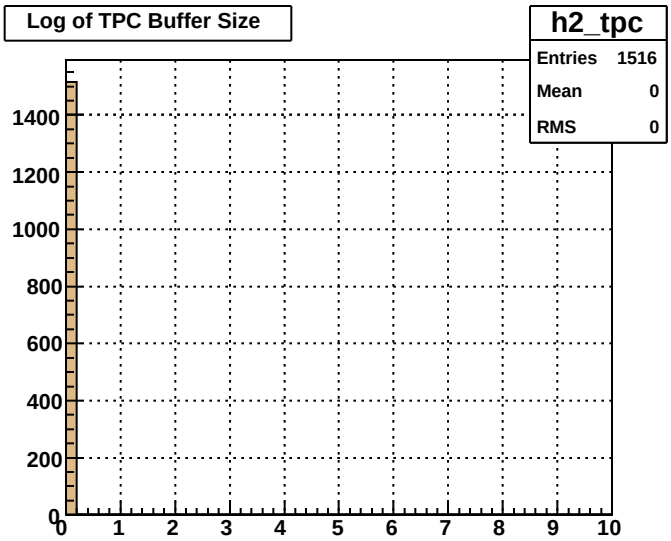

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 1516
Mean 2.21
RMS 11.4
0
200
400
600
800
1000
1200
1400
0
500
1000
1500
2000
2500
3000
3500
4000

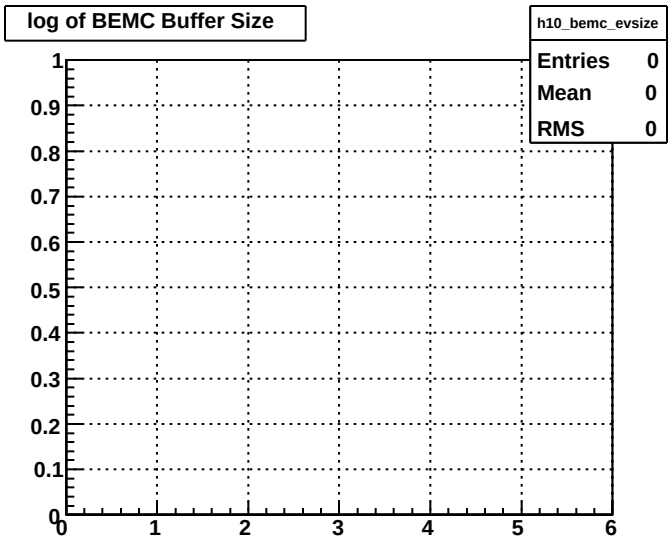

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 1516
Mean x 3889
Mean y 18.99
RMS x 2827
RMS y 37.58
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
120
100
80
60
40
20
0

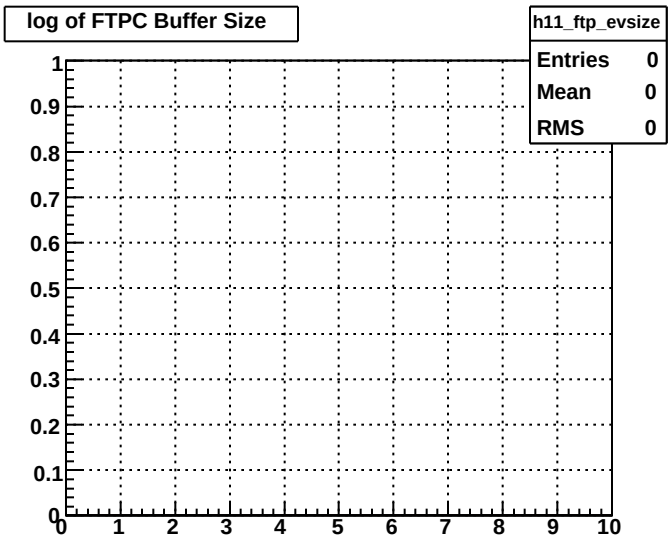

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 1516
Mean 18.99
RMS 37.58
1000
800
600
400
200
0
0
500
1000
1500
2000
2500
3000

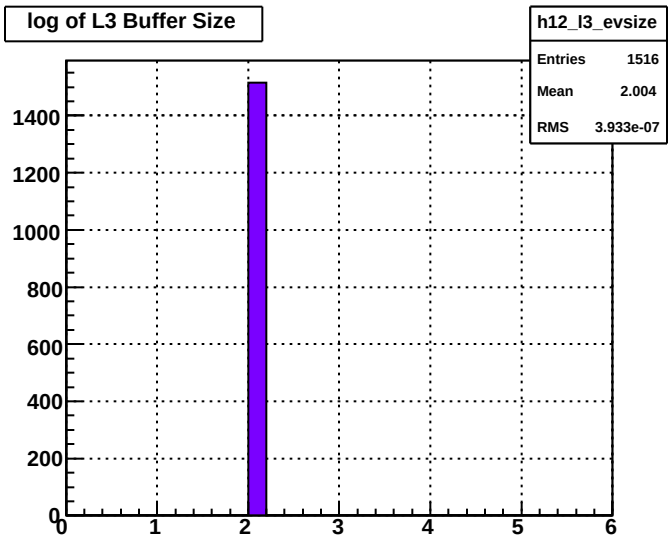

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
5
10
15
20
25
30
0
20
40
60
80
100

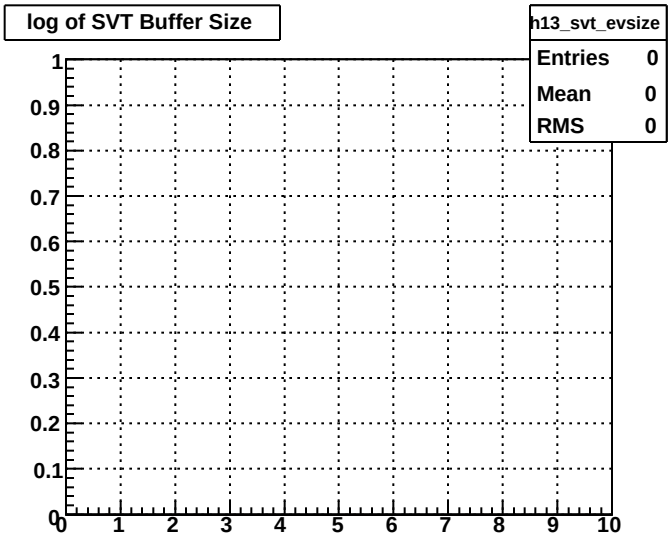

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
5
10
15
20
25
30
0
20
40
60
80
100

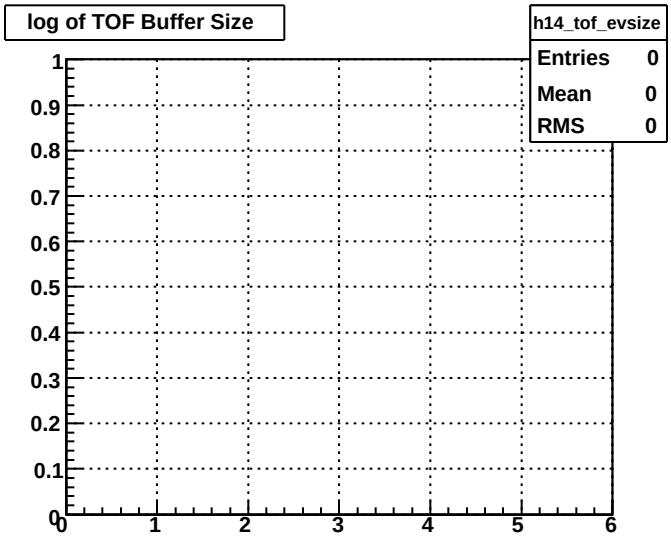

Log of TPC Buffer Size
h2_tpc
Entries 1516
Mean 0
RMS 0

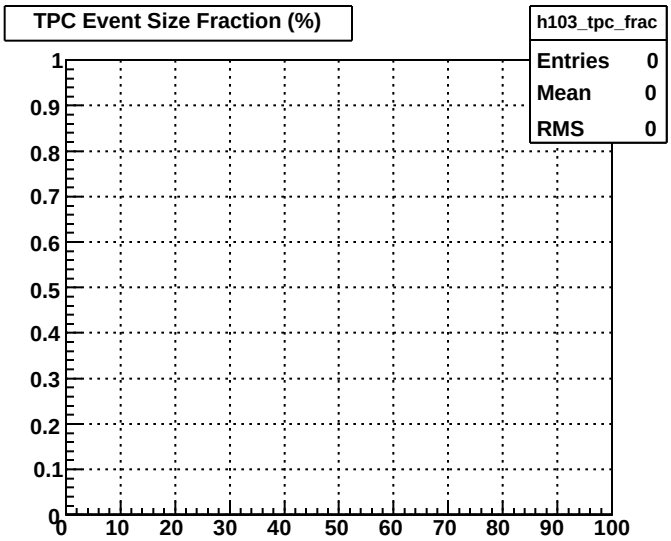

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

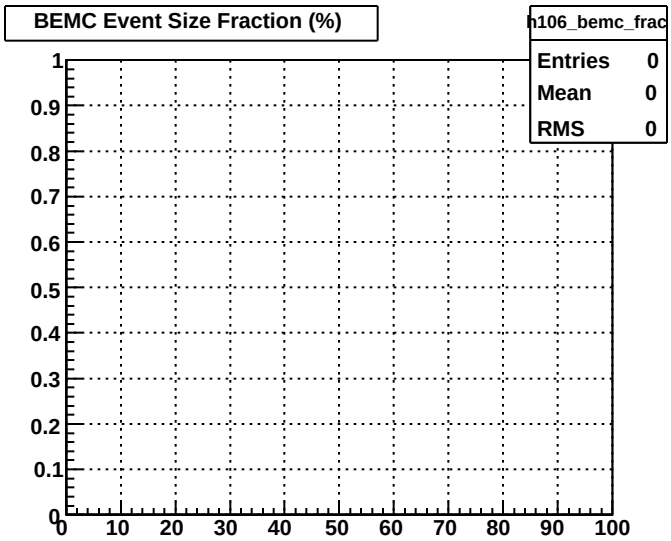

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

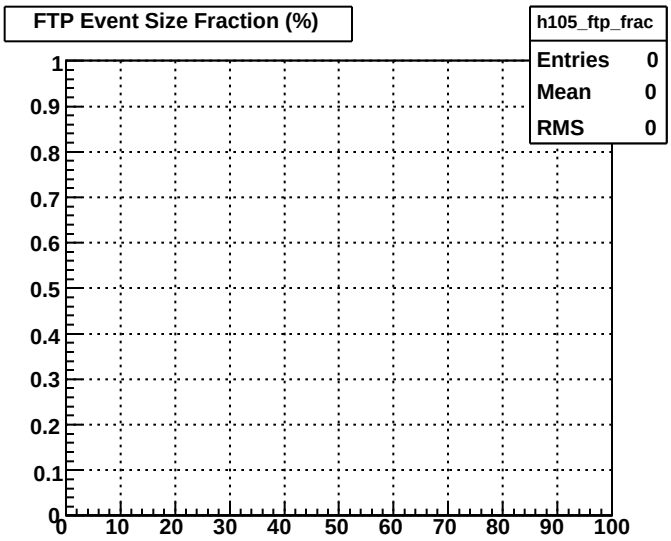

log of L3 Buffer Size
h12_l3_evsize
Entries 1516
Mean 2.004
RMS 3.933e-07

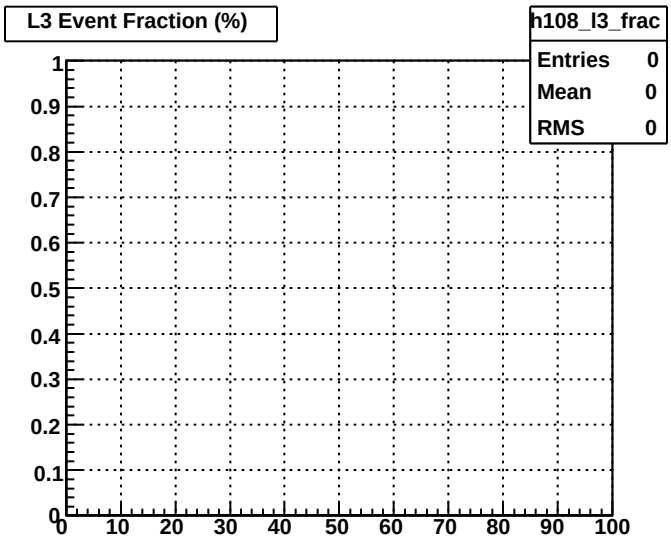

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

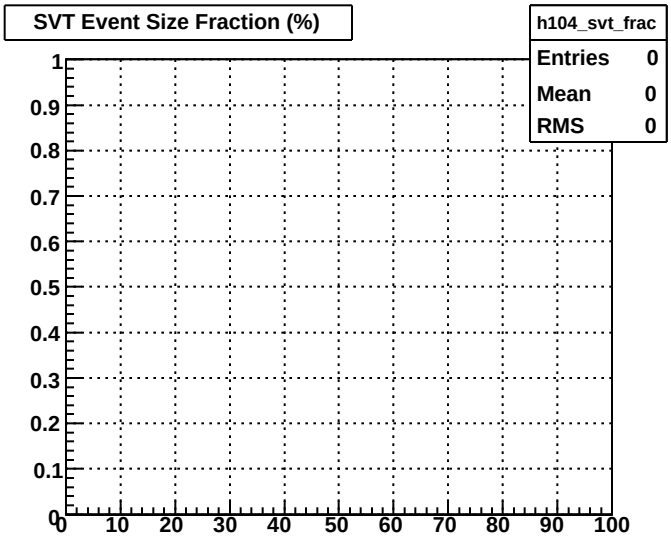

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

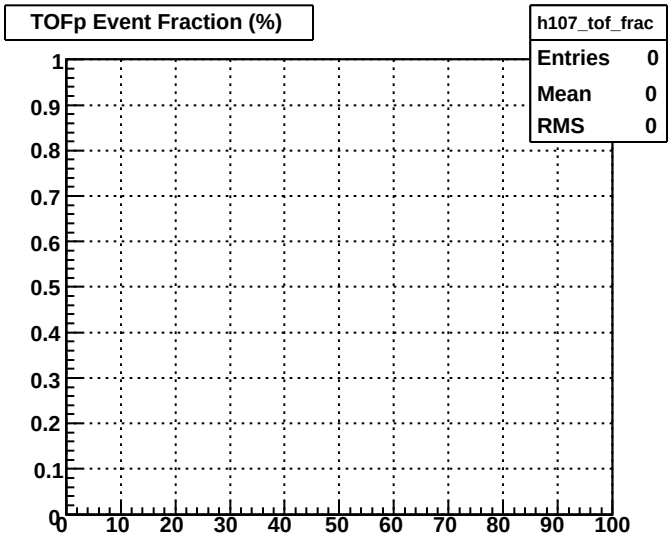

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

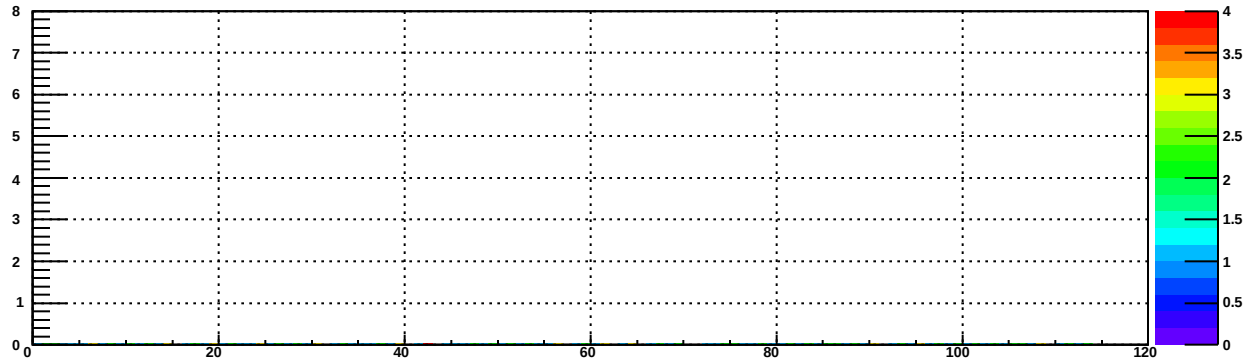

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

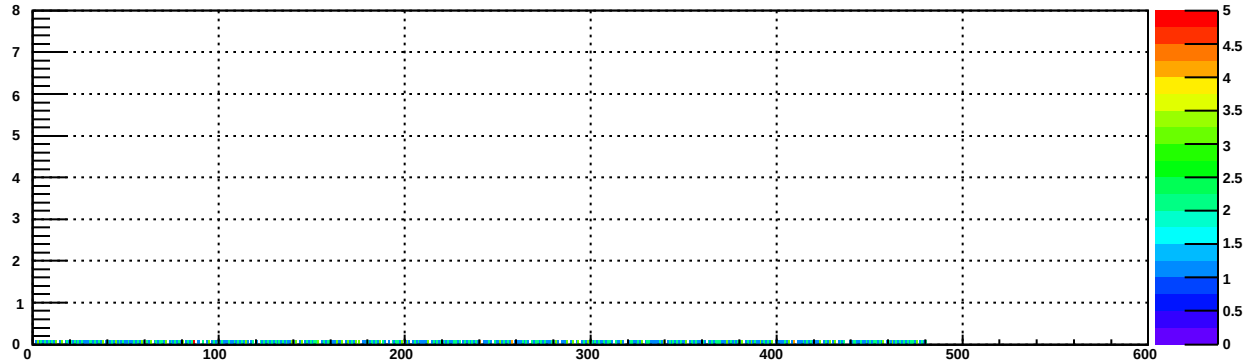

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

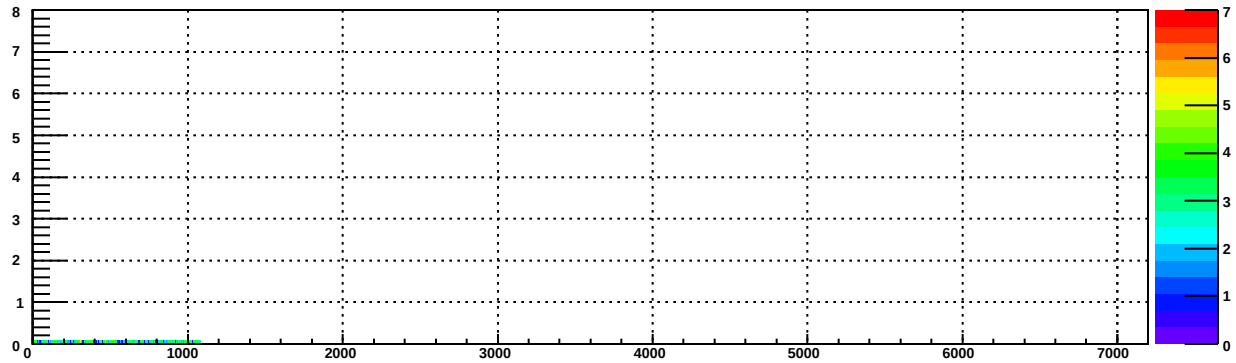
Event Size (Log10) vs time (sec)



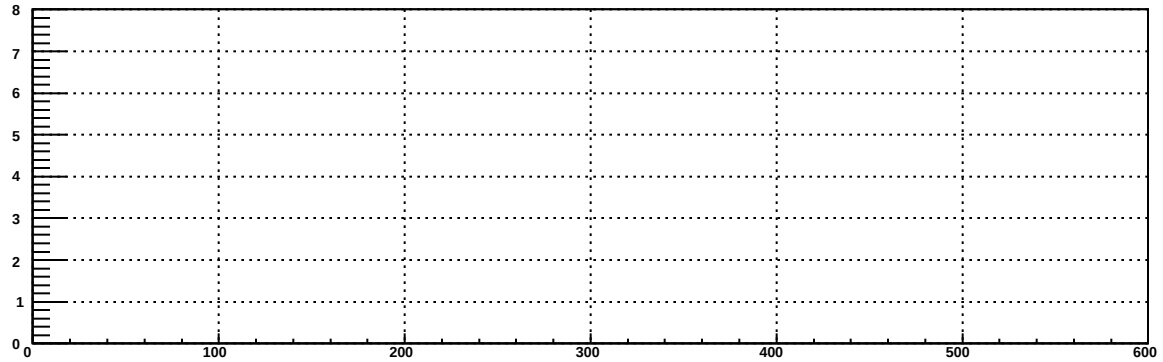

Event Size (Log10) vs time (sec)

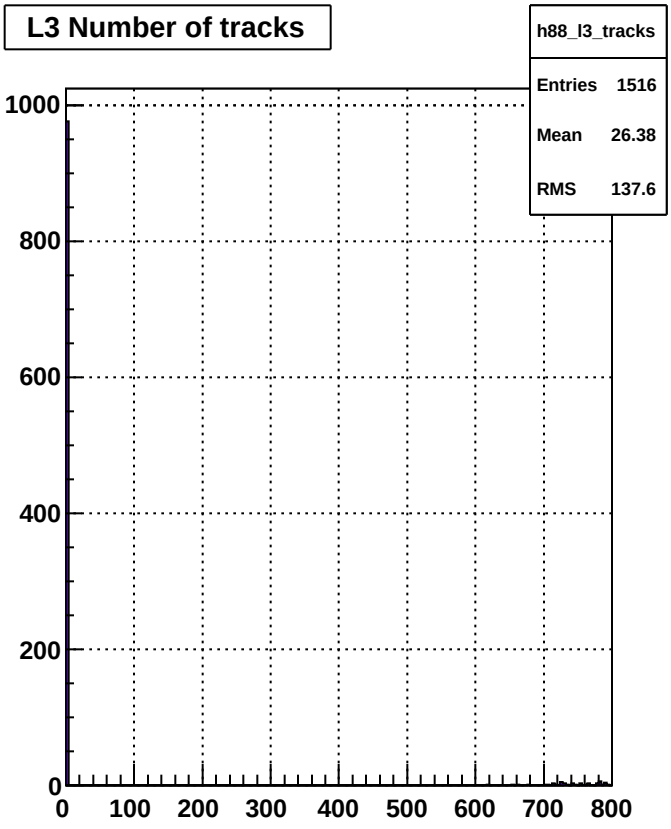


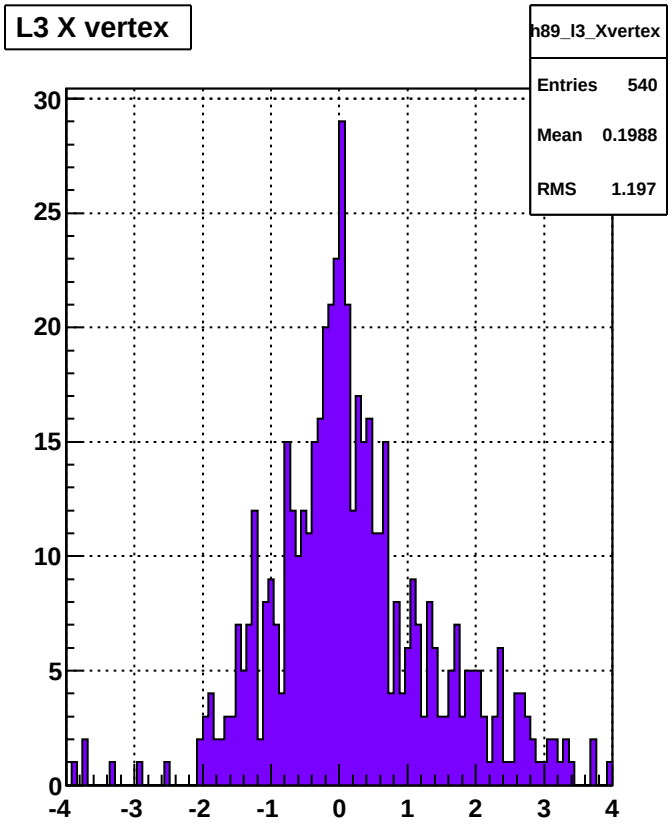

Event Size (Log10) vs time(sec)

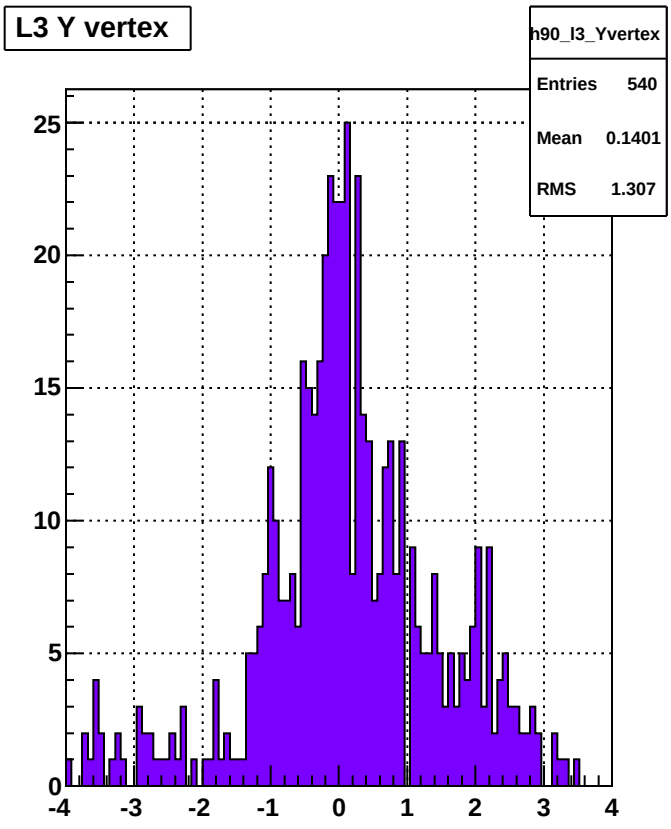


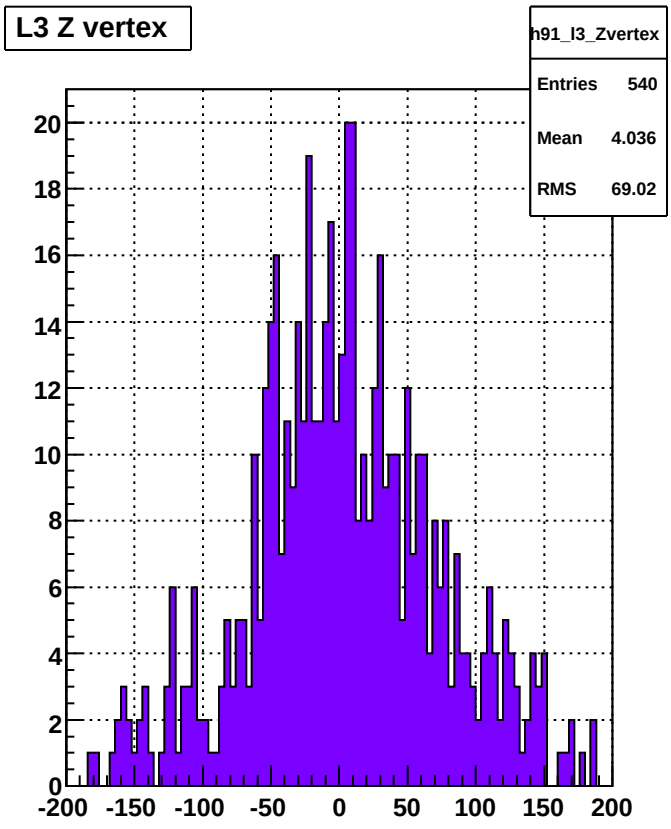

FTPC Event Size vs time(sec)



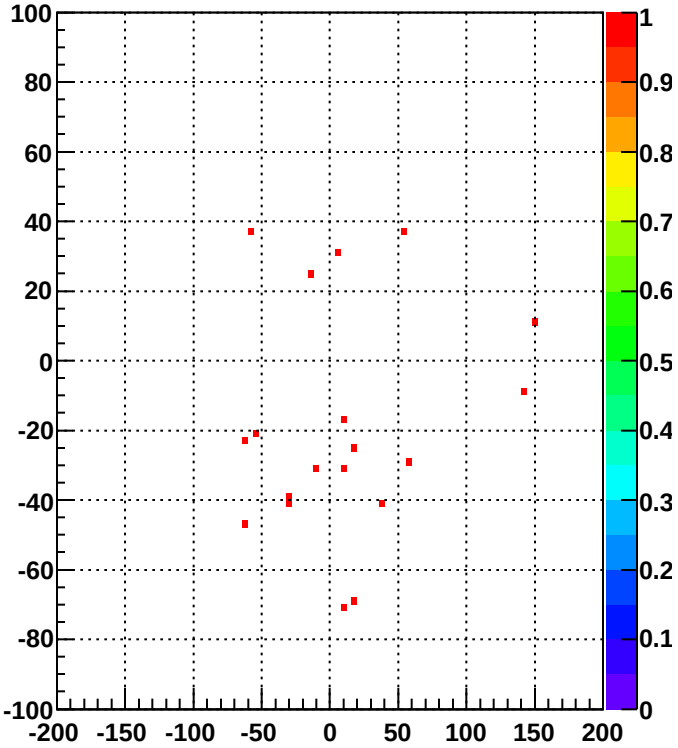

L3 Number of tracks
h88_l3_tracks
Entries 1516
Mean 26.38
RMS 137.6
1000
800
600
400
200
0
0 100 200 300 400 500 600 700 800


L3 X vertex
h89_l3_Xvertex
Entries 540
Mean 0.1988
RMS 1.197
30
25
20
15
10
5
0
-4 -3 -2 -1 0 1 2 3 4

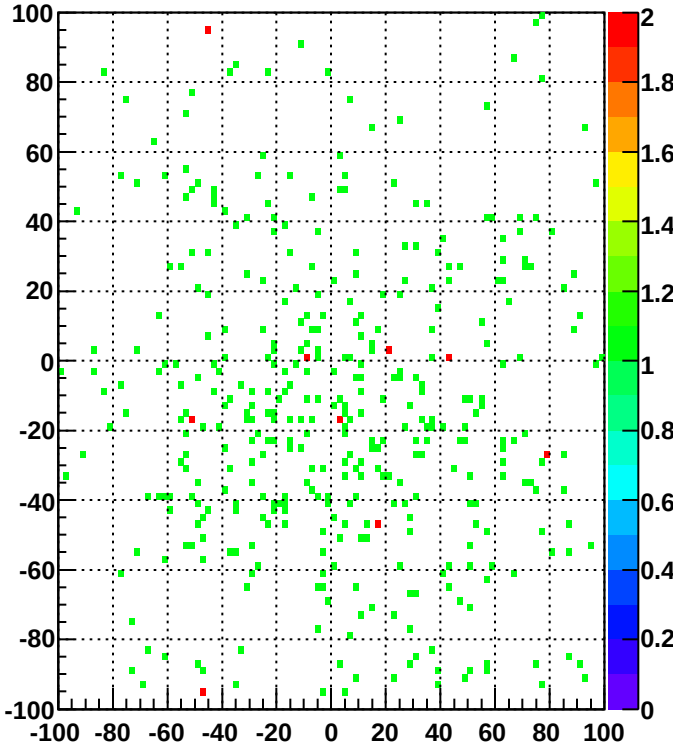

L3 Y vertex
h90_l3_Yvertex
Entries 540
Mean 0.1401
RMS 1.307
25
20
15
10
5
0
-4 -3 -2 -1 0 1 2 3 4


L3 Z vertex
h91_l3_Zvertex
Entries 540
Mean 4.036
RMS 69.02
20
18
16
14
12
10
8
6
4
2
0
-200 -150 -100 -50 0 50 100 150 200

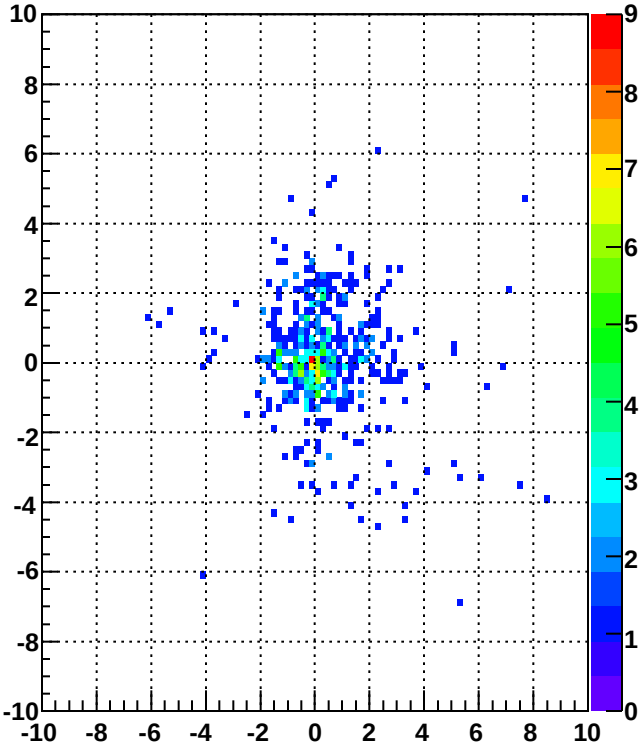
ZDC Vertex vs L3 Vertex



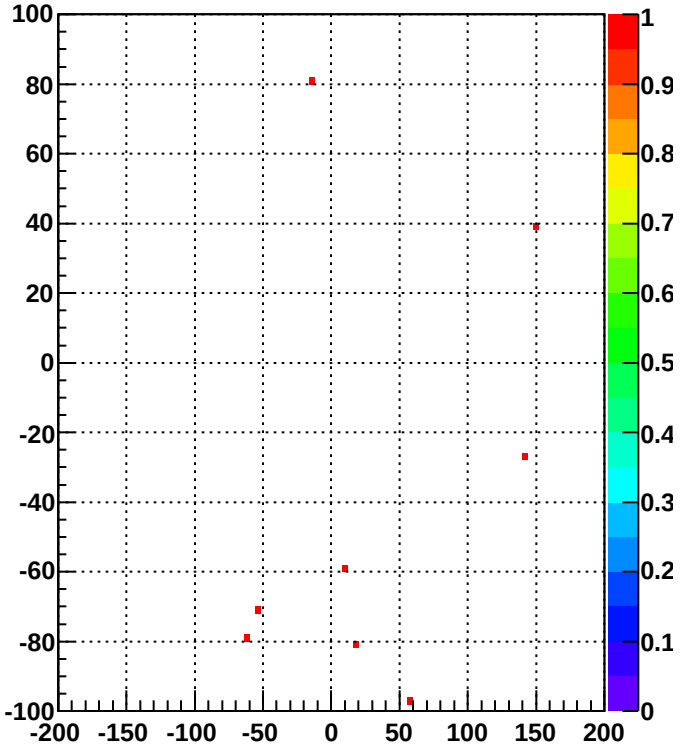

BBC Vertex vs L3 Vertex

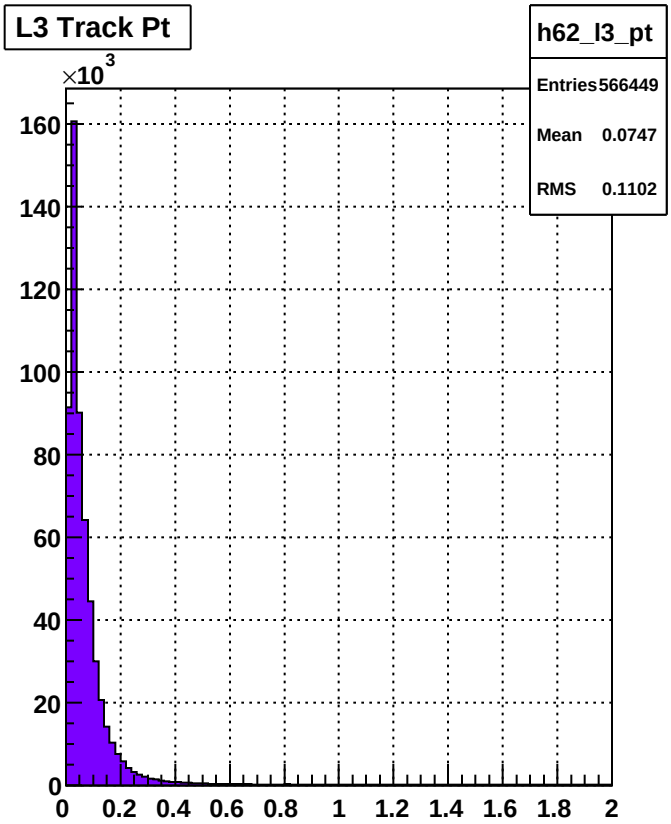


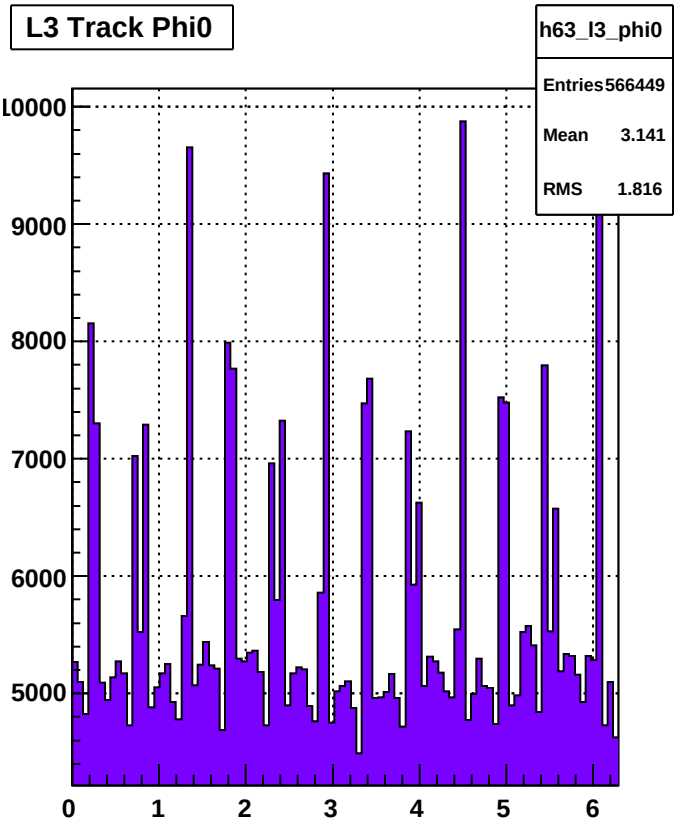

L3 Vertex Y vs X

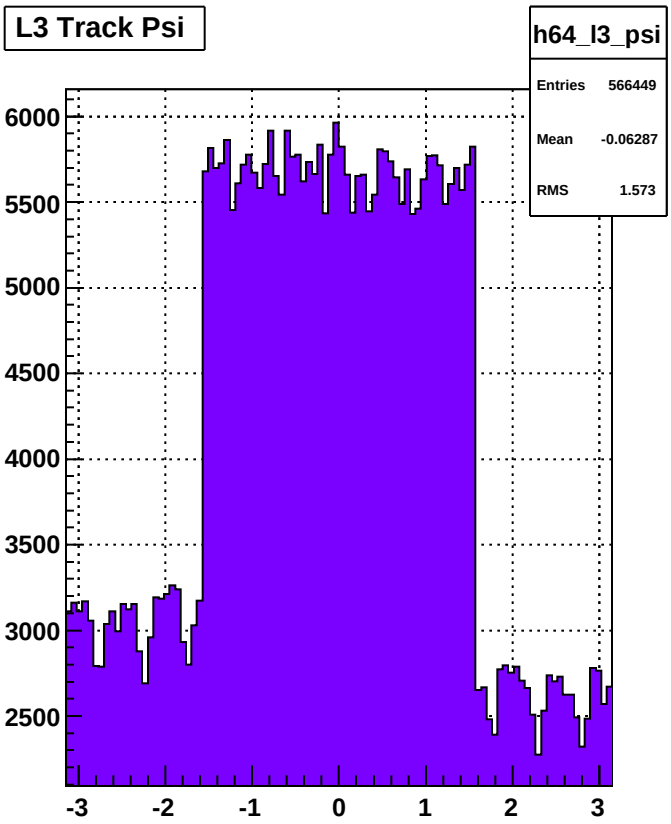


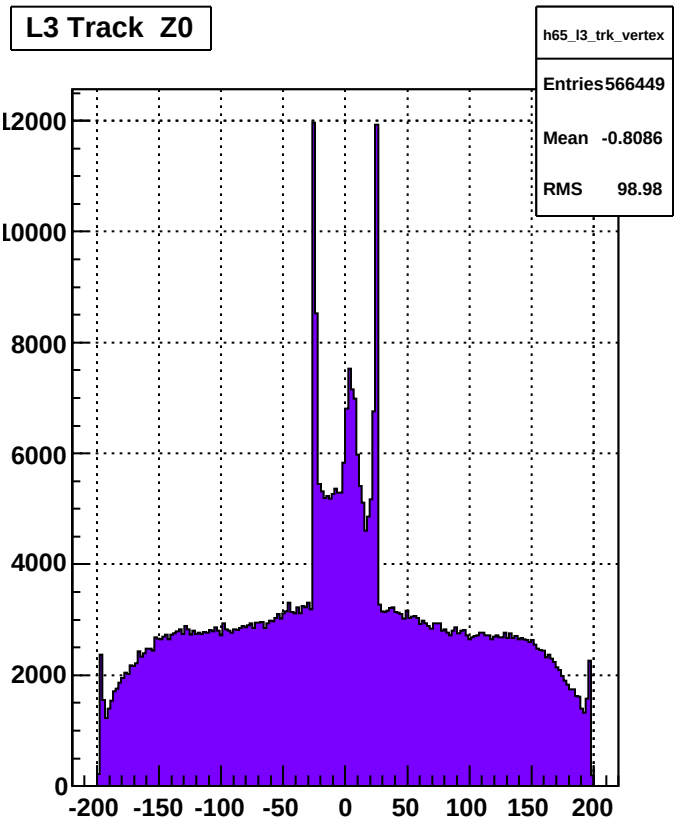

L3 Vertex-Z vs ZDC Timing difference

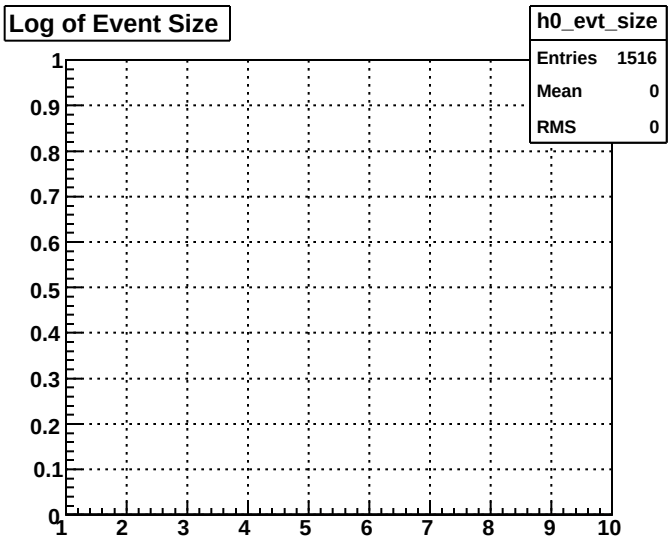


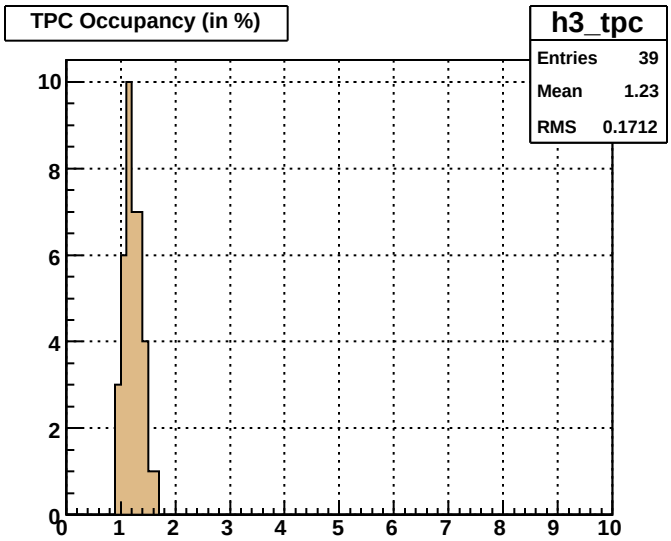

L3 Track Pt
h62_l3_pt
Entries 566449
Mean 0.0747
RMS 0.1102
×10^3
160
140
120
100
80
60
40
20
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

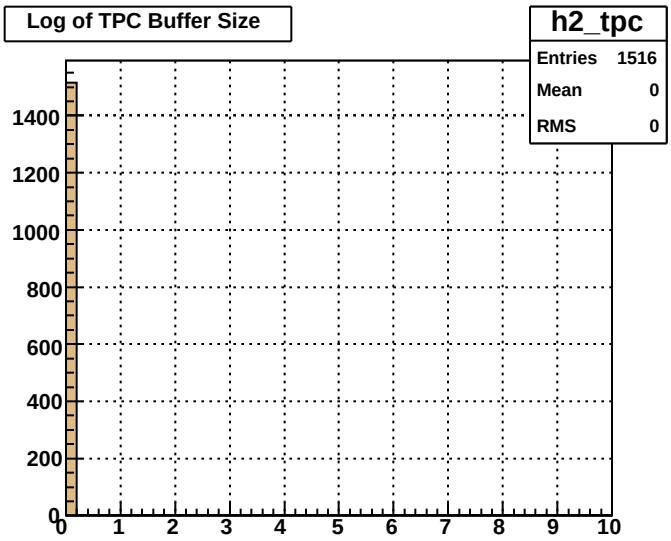

L3 Track Phi0
h63_l3_phi0
Entries 566449
Mean 3.141
RMS 1.816
10000
9000
8000
7000
6000
5000
0 1 2 3 4 5 6

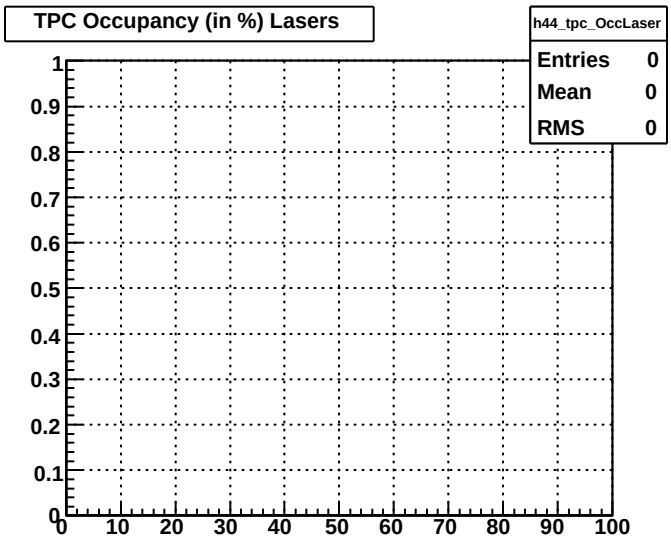

L3 Track Psi
h64_l3_psi
Entries 566449
Mean -0.06287
RMS 1.573
6000
5500
5000
4500
4000
3500
3000
2500
-3 -2 -1 0 1 2 3

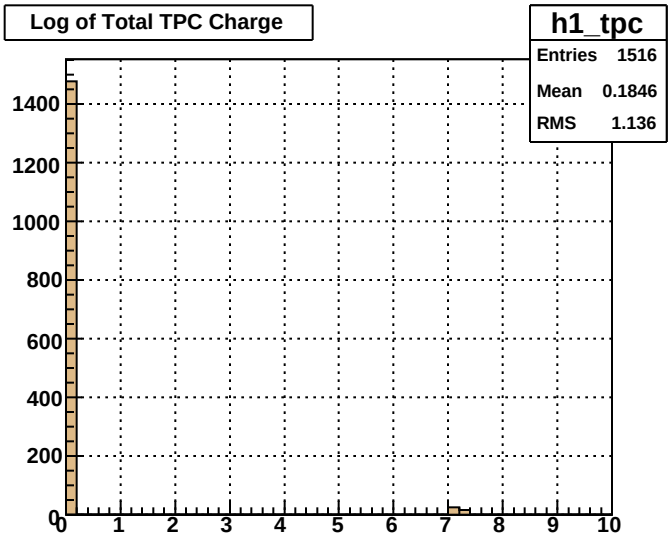

L3 Track Z0
h65_l3_trk_vertex
Entries 566449
Mean -0.8086
RMS 98.98
12000
10000
8000
6000
4000
2000
0
-200 -150 -100 -50 0 50 100 150 200

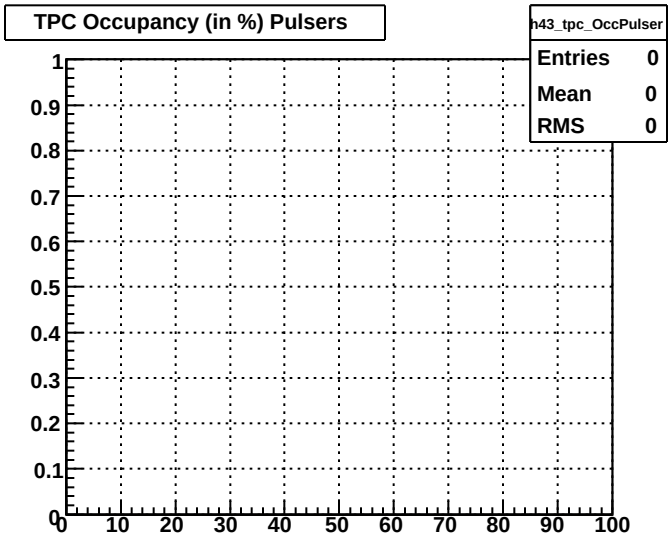

Log of Event Size
h0_evt_size
Entries 1516
Mean 0
RMS 0


TPC Occupancy (in %)
h3_tpc
Entries 39
Mean 1.23
RMS 0.1712

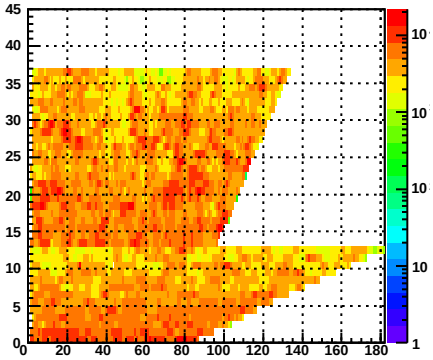

Log of TPC Buffer Size
h2_tpc
Entries 1516
Mean 0
RMS 0


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

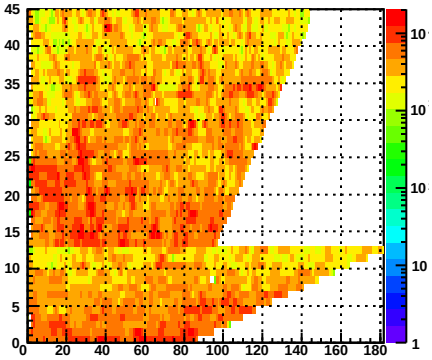

Log of Total TPC Charge
h1_tpc
Entries 1516
Mean 0.1846
RMS 1.136


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

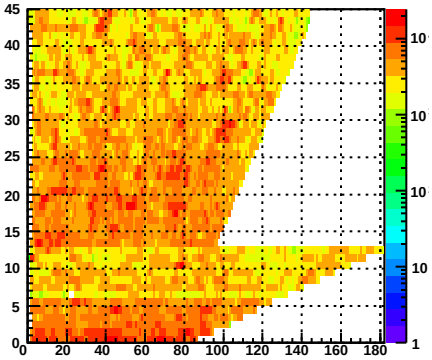
Sec. 1 charge per pad



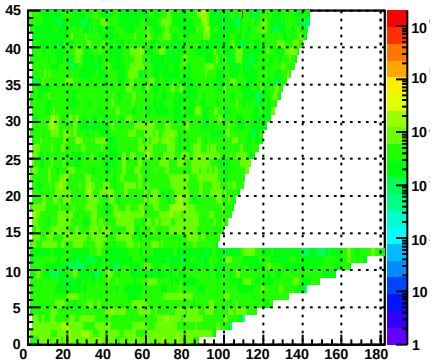
Sec. 2 charge per pad



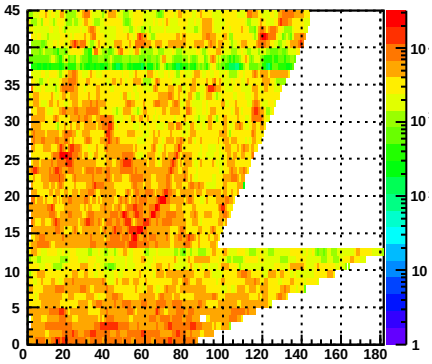
Sec. 3 charge per pad



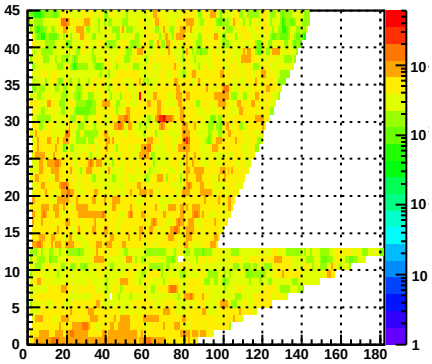
Sec. 4 charge per pad



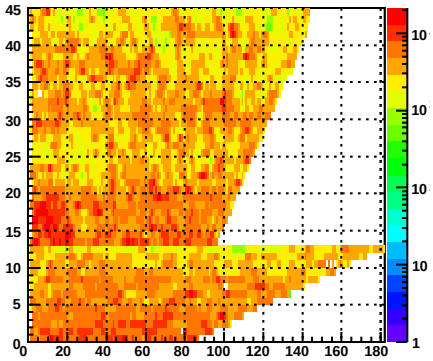
Sec. 5 charge per pad



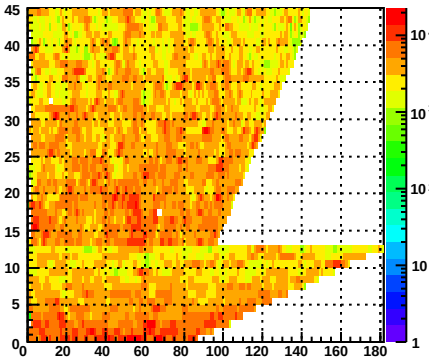
Sec. 6 charge per pad



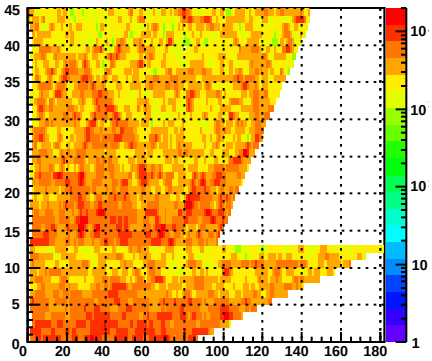
Sec. 7 charge per pad



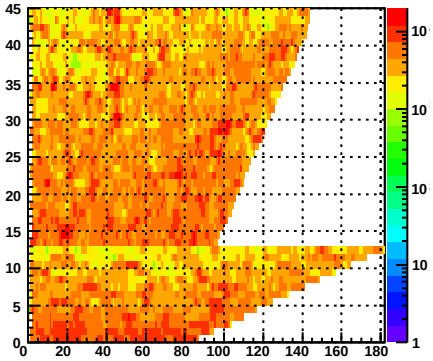
Sec. 8 charge per pad



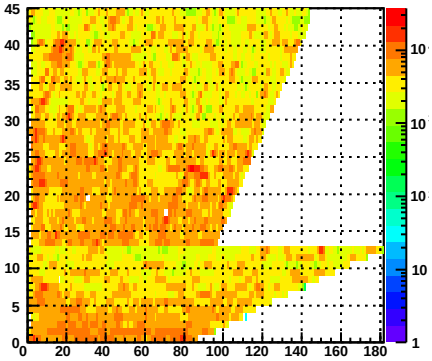
Sec. 9 charge per pad



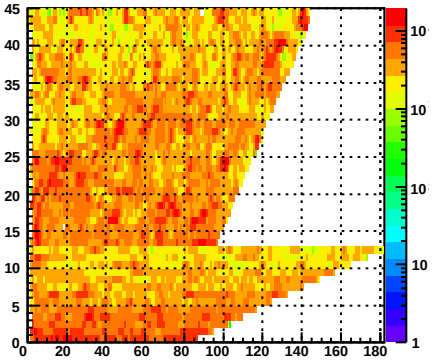
Sec. 10 charge per pad



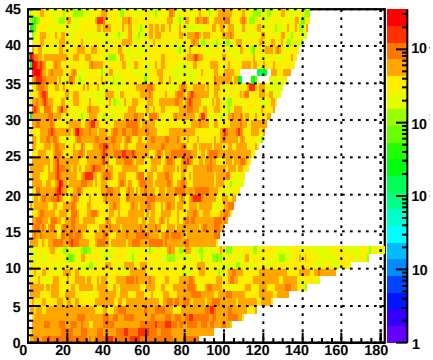
Sec. 11 charge per pad



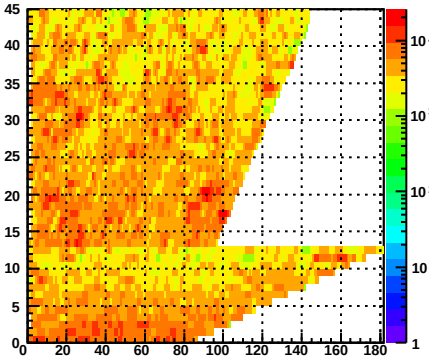
Sec. 12 charge per pad



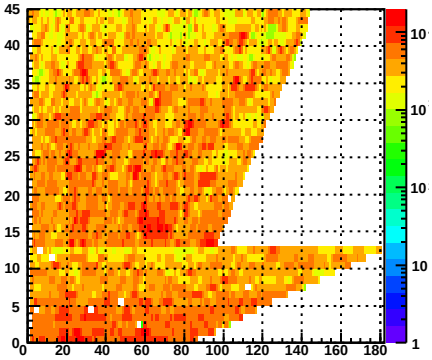
Sec. 13 charge per pad



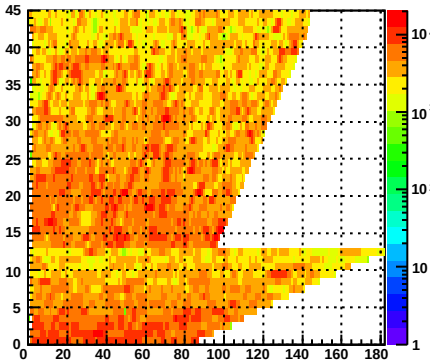
Sec. 14 charge per pad



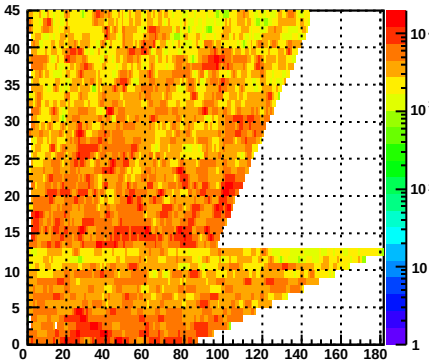
Sec. 15 charge per pad



Sec. 16 charge per pad



Sec. 17 charge per pad



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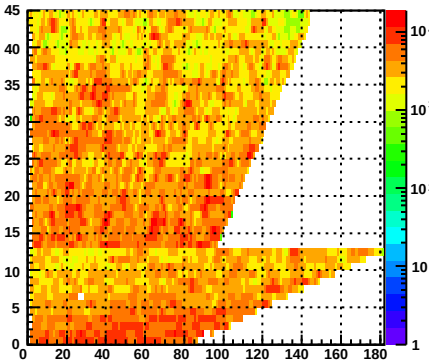
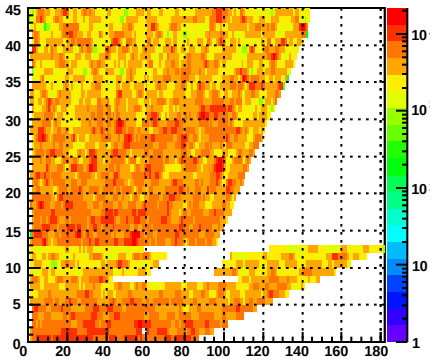
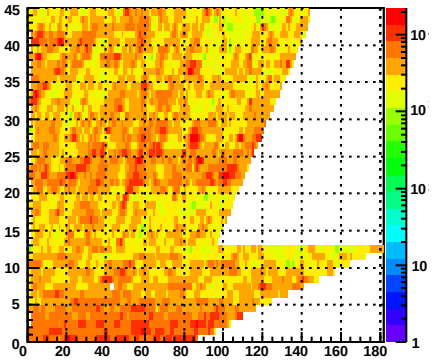


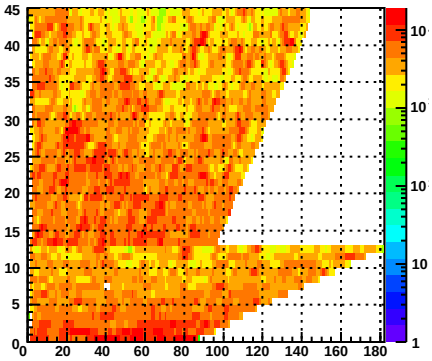
Sec. 19 charge per pad



Sec. 20 charge per pad



Sec. 21 charge per pad



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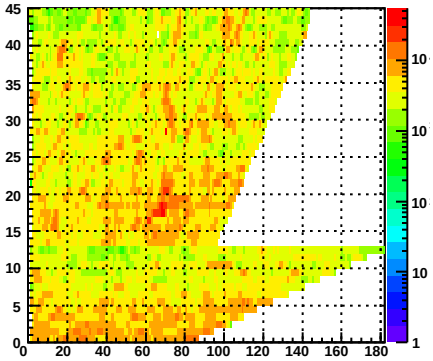

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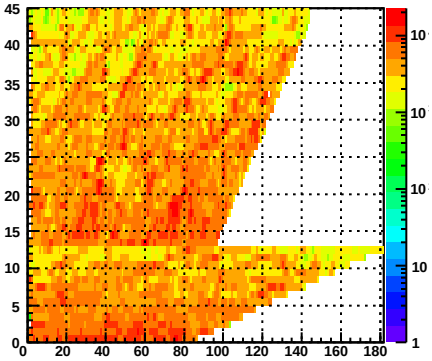
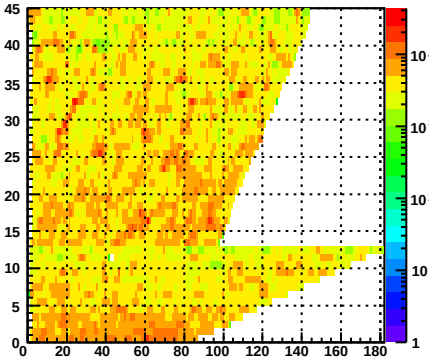
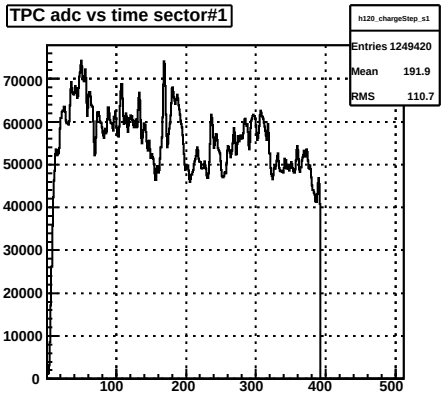
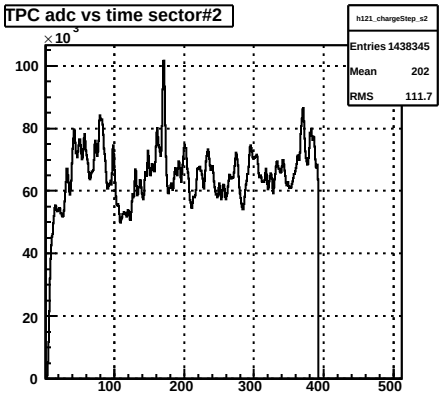
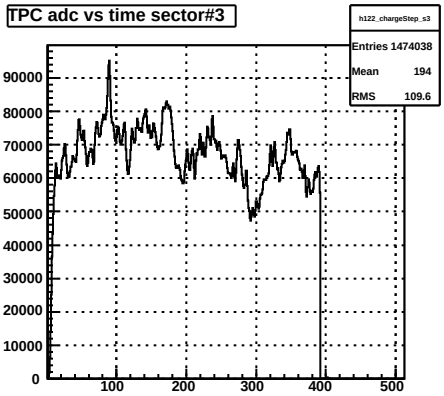


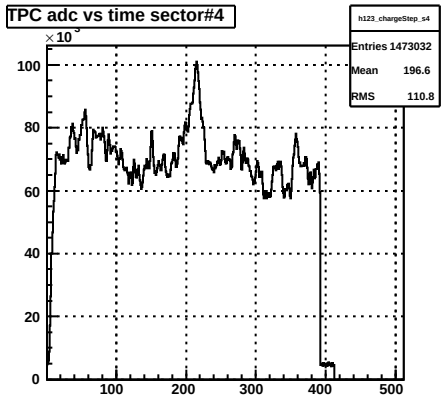
Sec. 24 charge per pad




TPC adc vs time sector#1
h120_chargeStep_s1
Entries 1249420
Mean 191.9
RMS 110.7


TPC adc vs time sector#2
h121_chargeStep_s2
Entries 1438345
Mean 202
RMS 111.7


TPC adc vs time sector#3
h122_chargeStep_s3
Entries 1474038
Mean 194
RMS 109.6


TPC adc vs time sector#4
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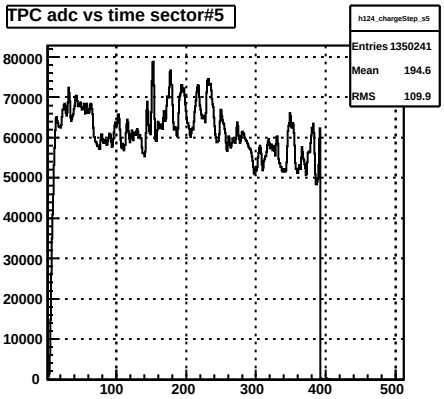
Entries 1473032
Mean 196.6
RMS 110.8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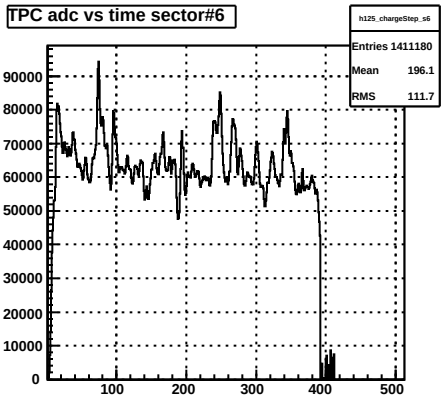
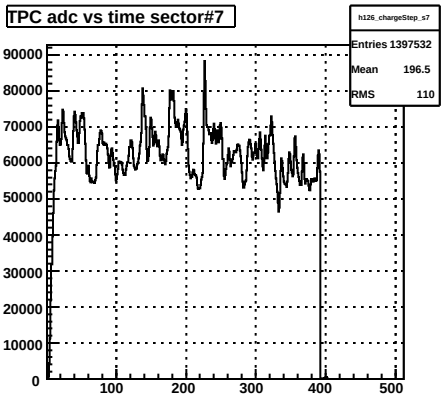
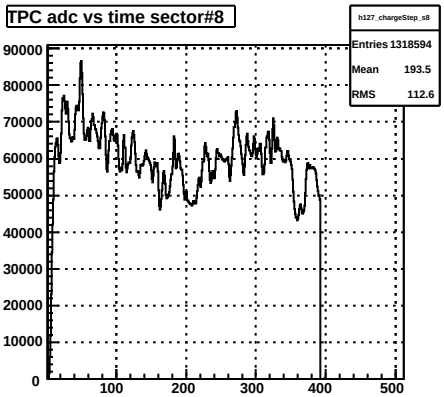
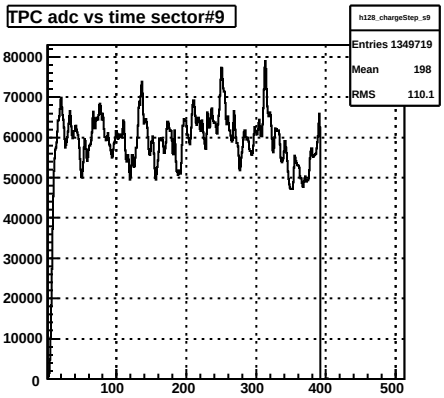
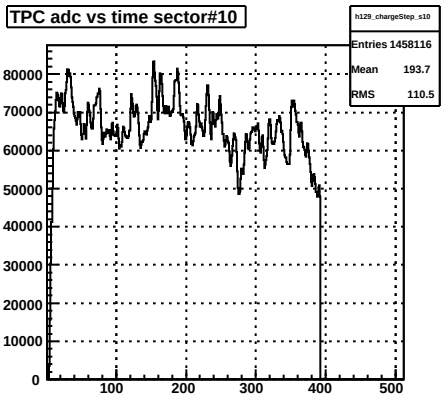
h124_chargeStep_s5
Entries 1350241
Mean 194.6
RMS 109.9


TPC adc vs time sector#6
h125_chargeStep_s6
Entries 1411180
Mean 196.1
RMS 111.7


TPC adc vs time sector#7
h126_chargeStep_s7
Entries 1397532
Mean 196.5
RMS 110


TPC adc vs time sector#8
h127_chargeStep_s8
Entries 1318594
Mean 193.5
RMS 112.6


TPC adc vs time sector#9
h128_chargeStep_s9
Entries 1349719
Mean 198
RMS 110.1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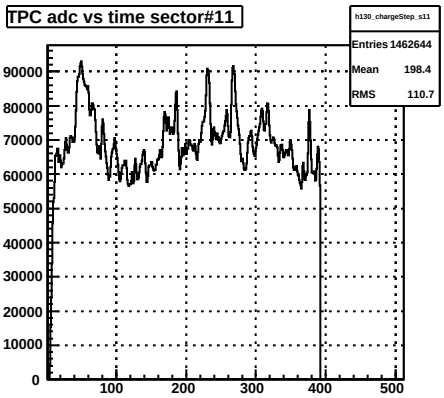
h129_chargeStep_s10
Entries 1458116
Mean 193.7
RMS 110.5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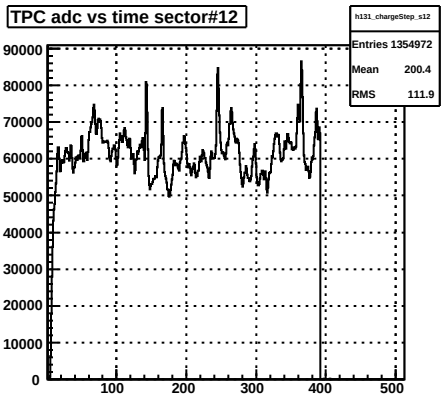
Entries 1462644
Mean 198.4
RMS 110.7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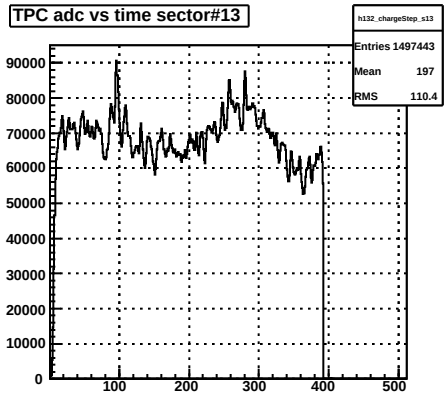
Entries 1354972
Mean 200.4
RMS 111.9


TPC adc vs time sector#13
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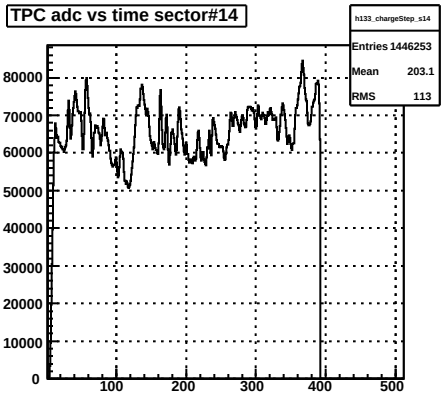
Entries 1497443
Mean 197
RMS 110.4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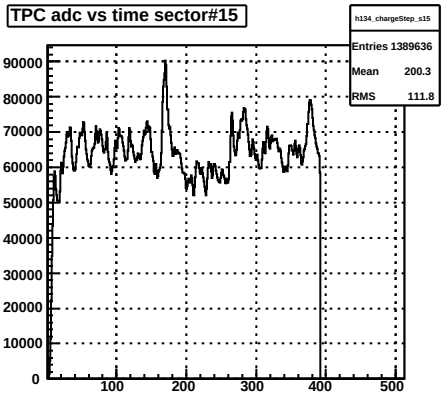
h133_chargeStep_s14
Entries 1446253
Mean 203.1
RMS 113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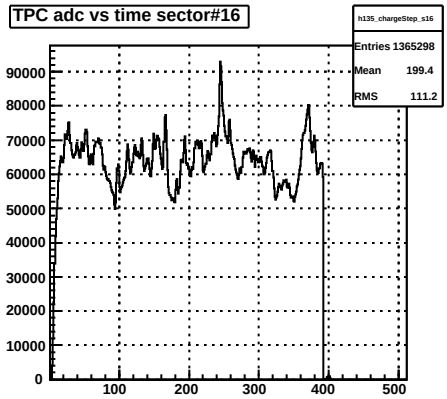
Entries 1389636
Mean 200.3
RMS 111.8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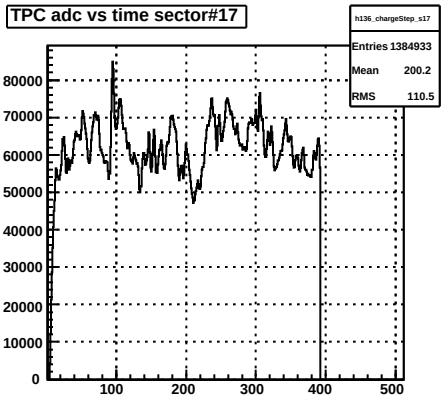
Entries 1365298
Mean 199.4
RMS 111.2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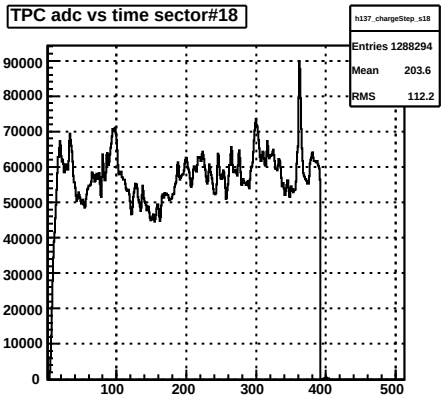
Entries 1384933
Mean 200.2
RMS 110.5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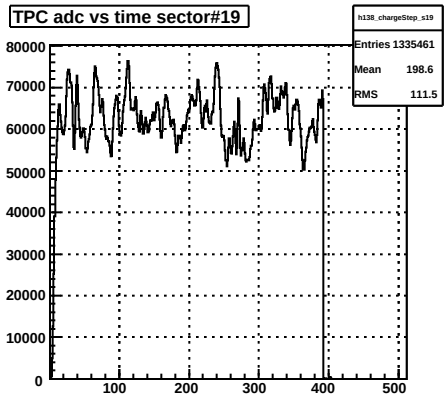
Entries 1288294
Mean 203.6
RMS 112.2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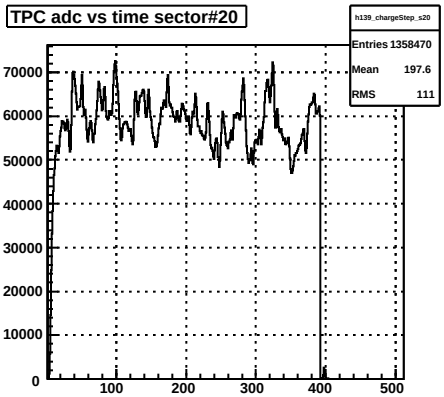
Entries 1335461
Mean 198.6
RMS 111.5


TPC adc vs time sector#20
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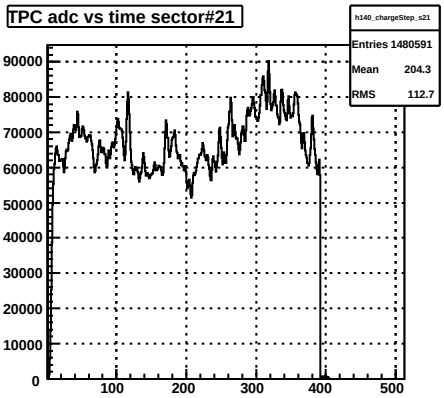
Entries 1358470
Mean 197.6
RMS 111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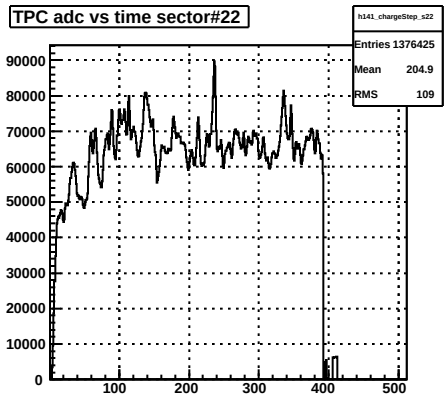
h140_chargeStep_s21
Entries 1480591
Mean 204.3
RMS 112.7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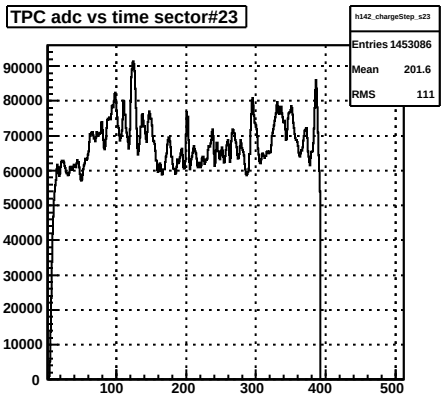
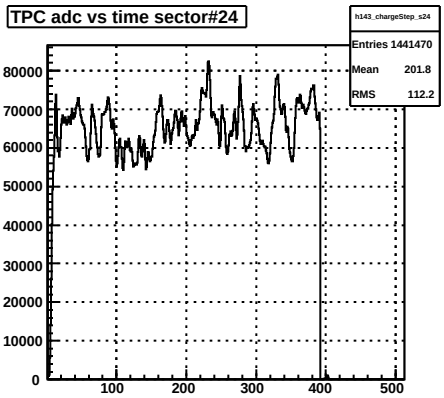
h141_chargeStep_s22
Entries 1376425
Mean 204.9
RMS 109


TPC adc vs time sector#23
h142_chargeStep_s23
Entries 1453086
Mean 201.6
RMS 111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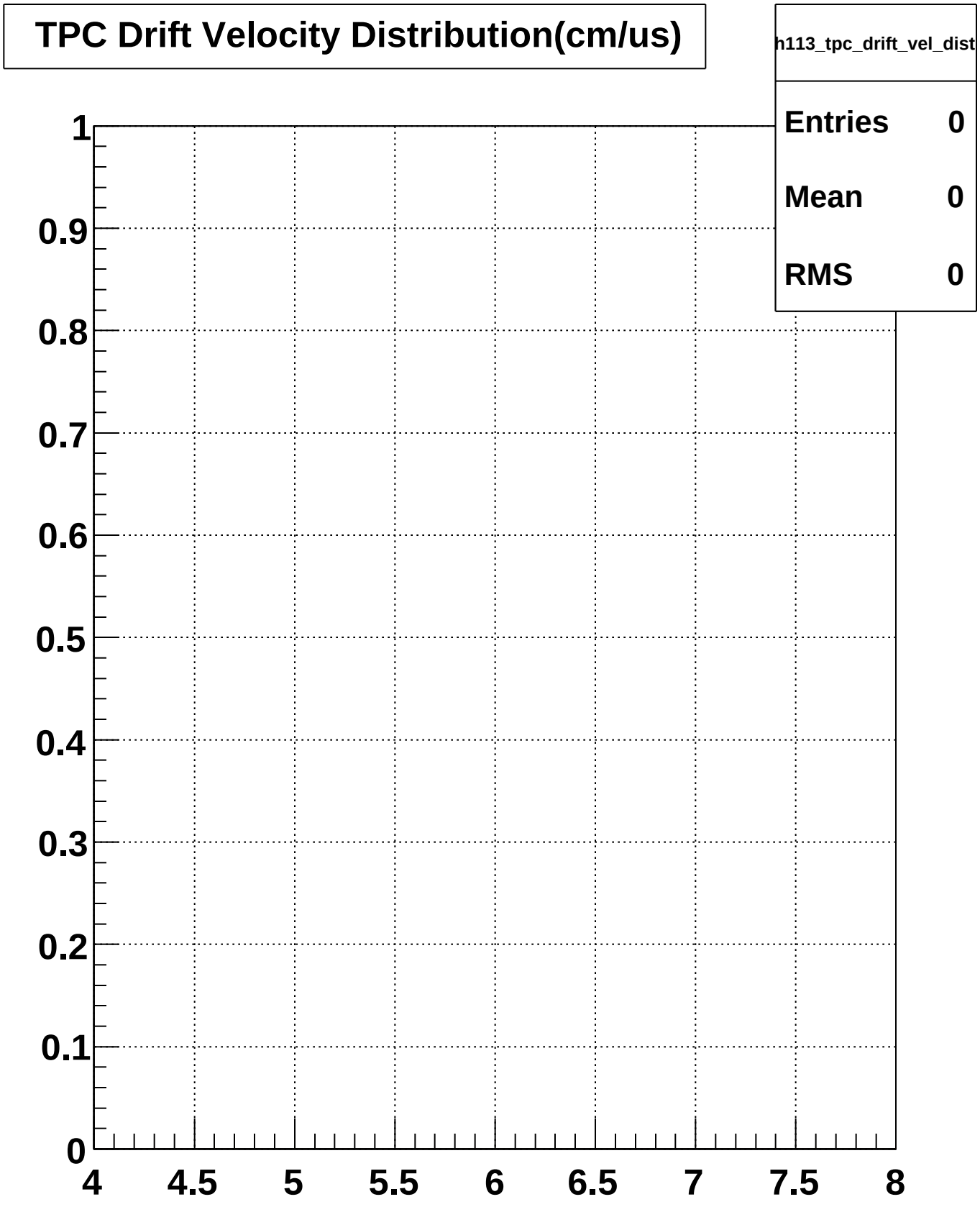
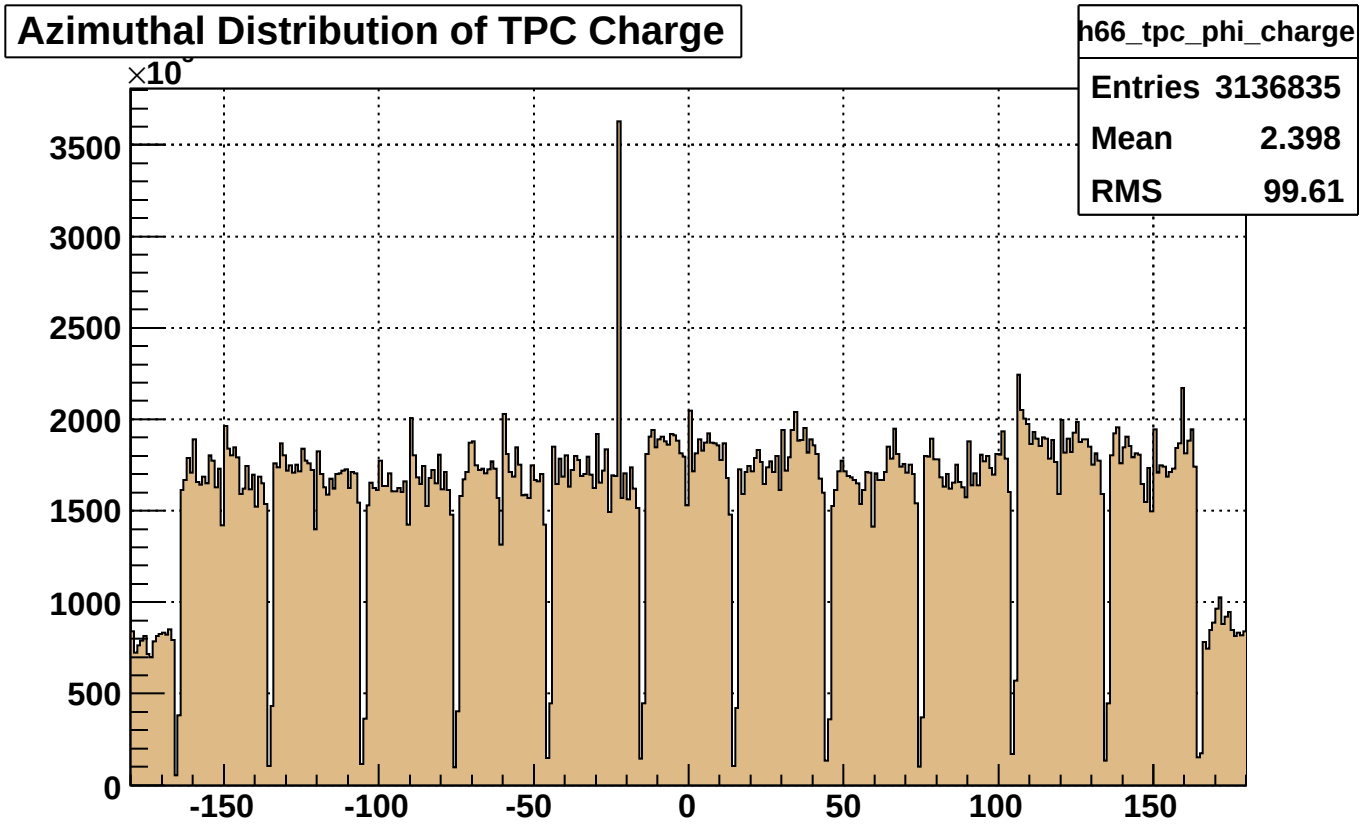
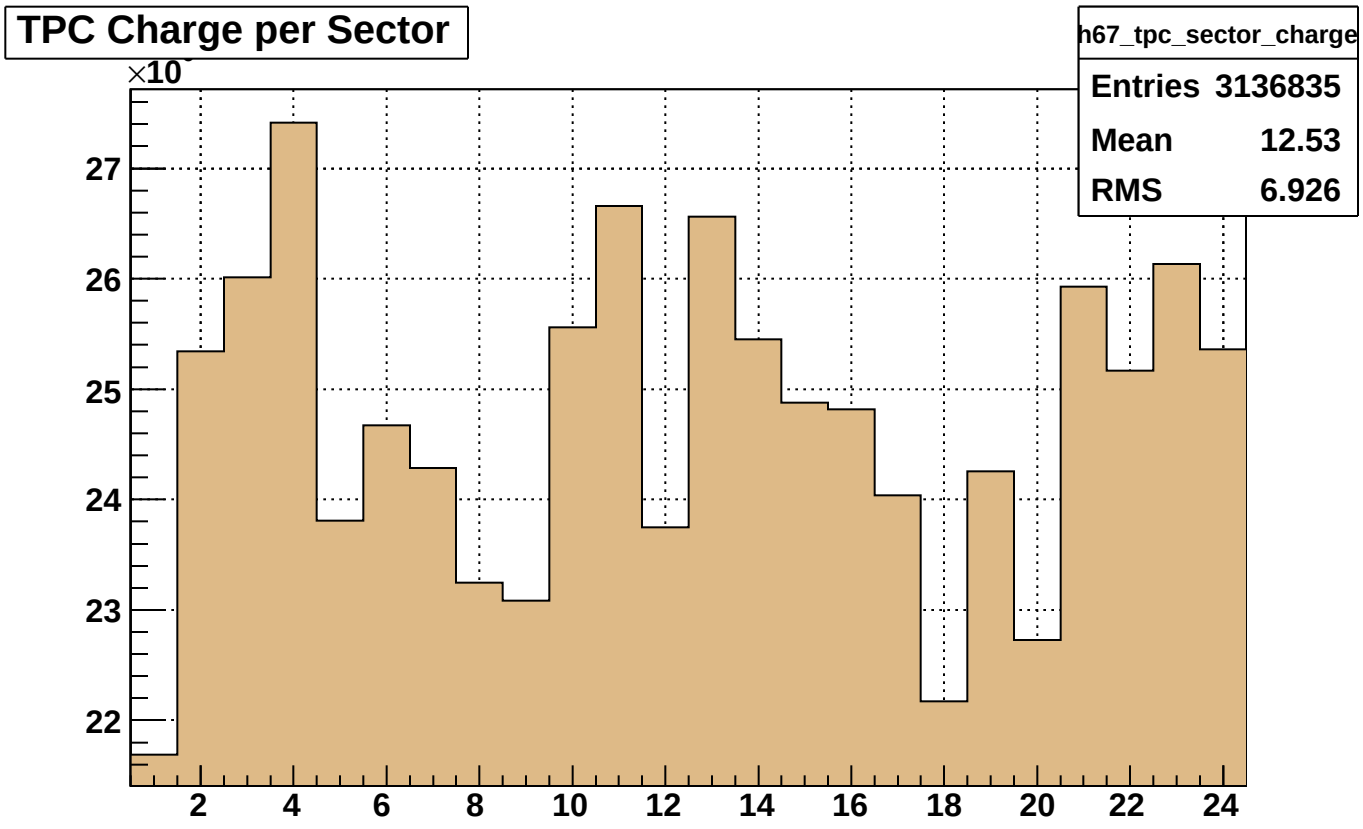
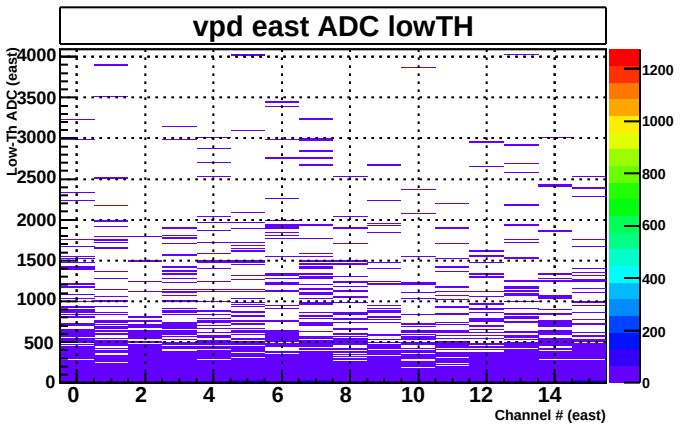
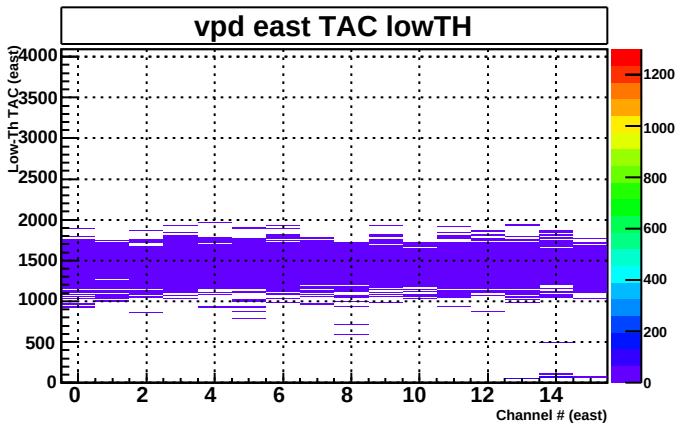
h143_chargeStep_s24
Entries 1441470
Mean 201.8
RMS 112.2

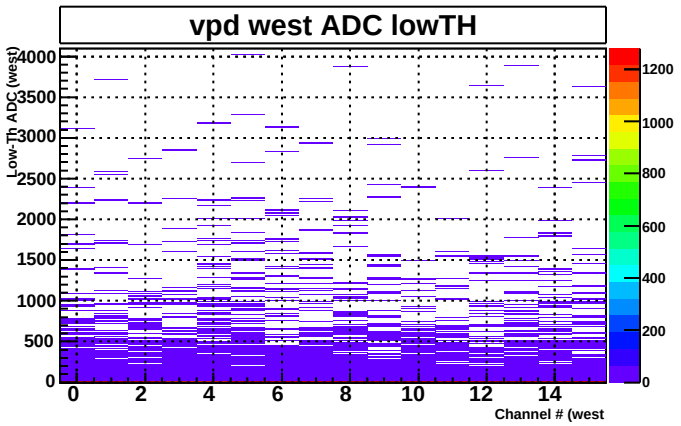

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4
4.5
5
5.5
6
6.5
7
7.5
8

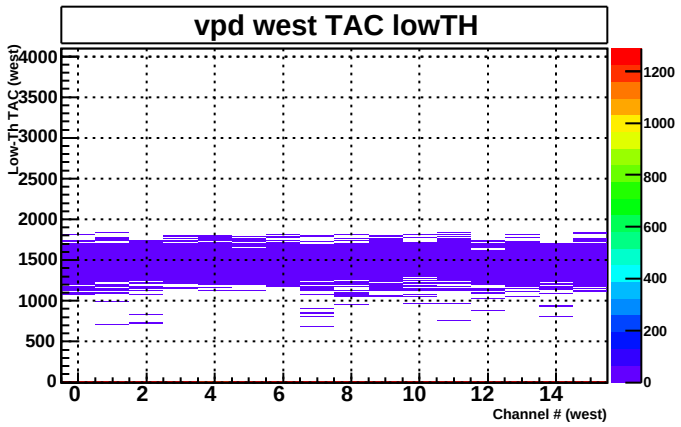

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 3136835
Mean 2.398
RMS 99.61
×10
3500
3000
2500
2000
1500
1000
500
0
-150
-100
-50
0
50
100
150

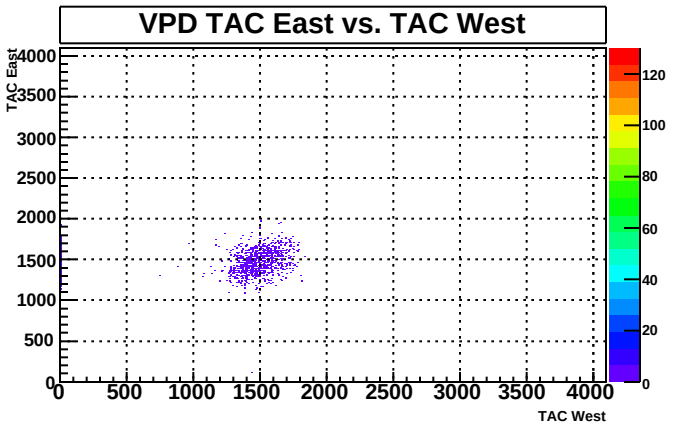

TPC Charge per Sector
h67_tpc_sector_charge
Entries 3136835
Mean 12.53
RMS 6.926
×10
27
26
25
24
23
22
2
4
6
8
10
12
14
16
18
20
22
24

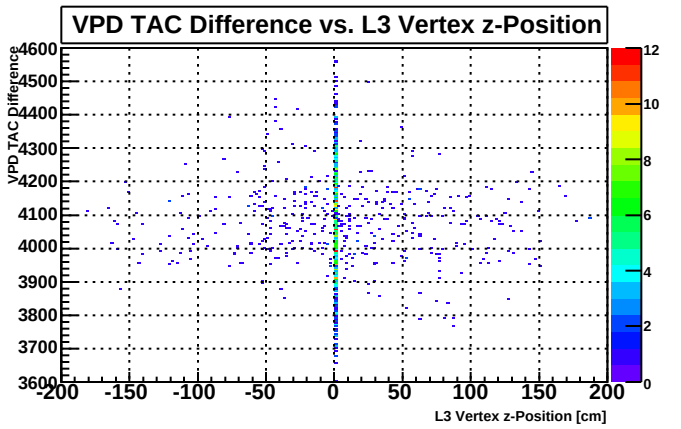

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

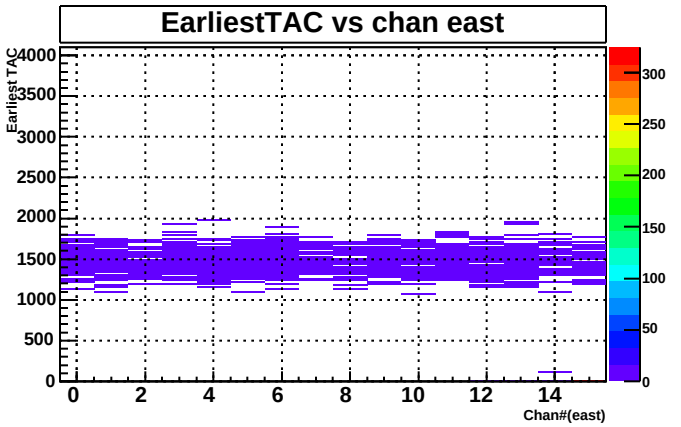

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

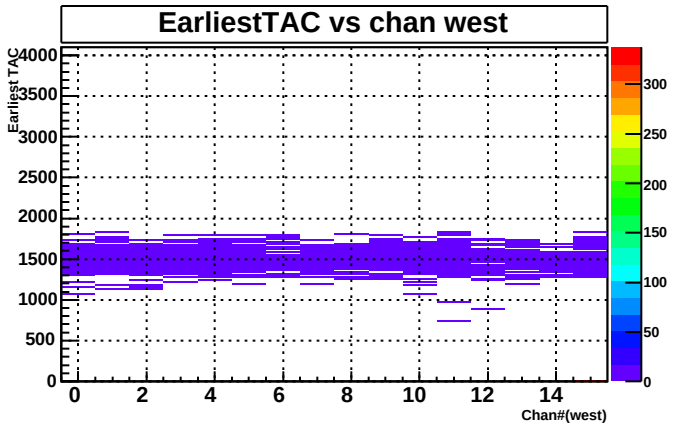

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

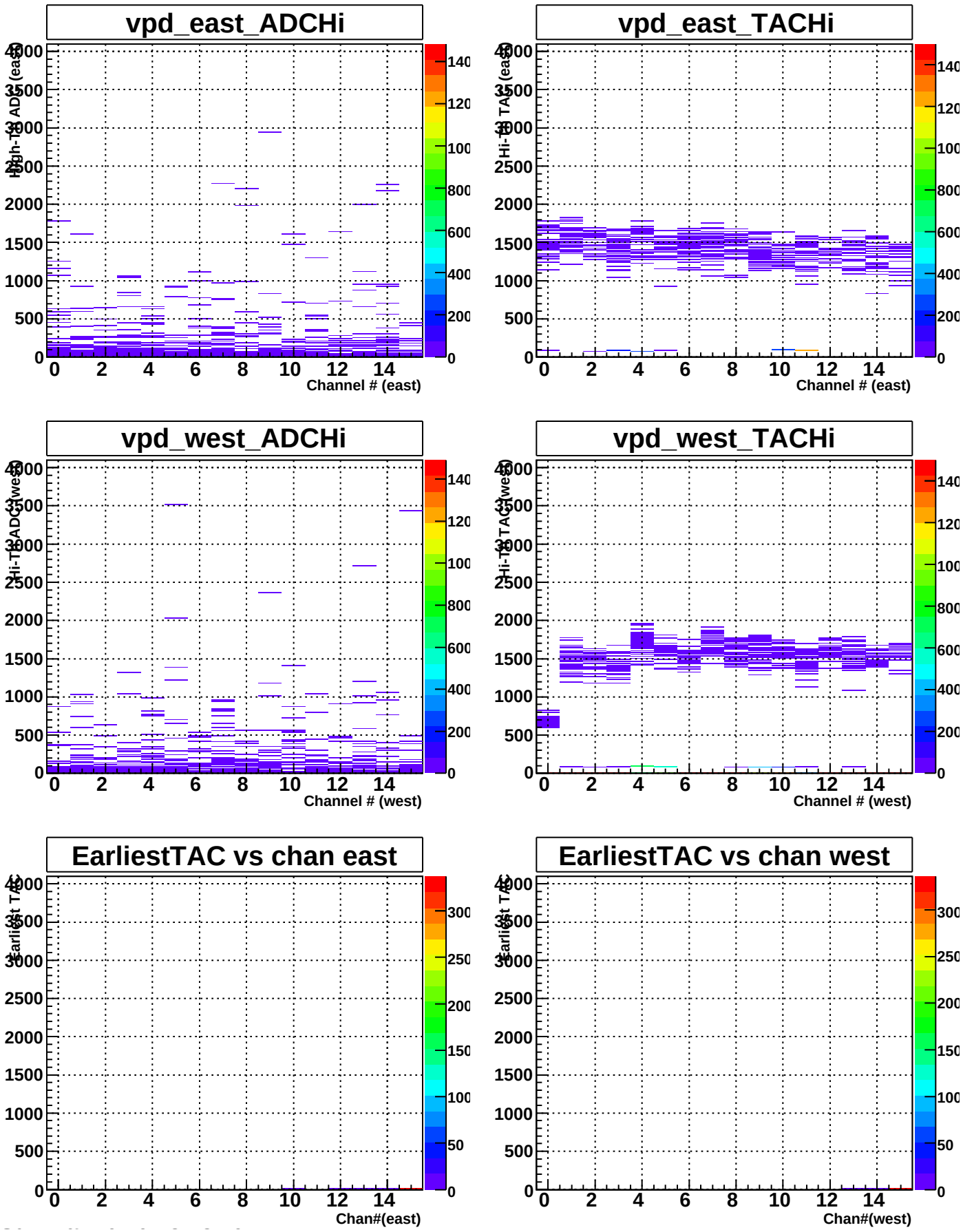

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

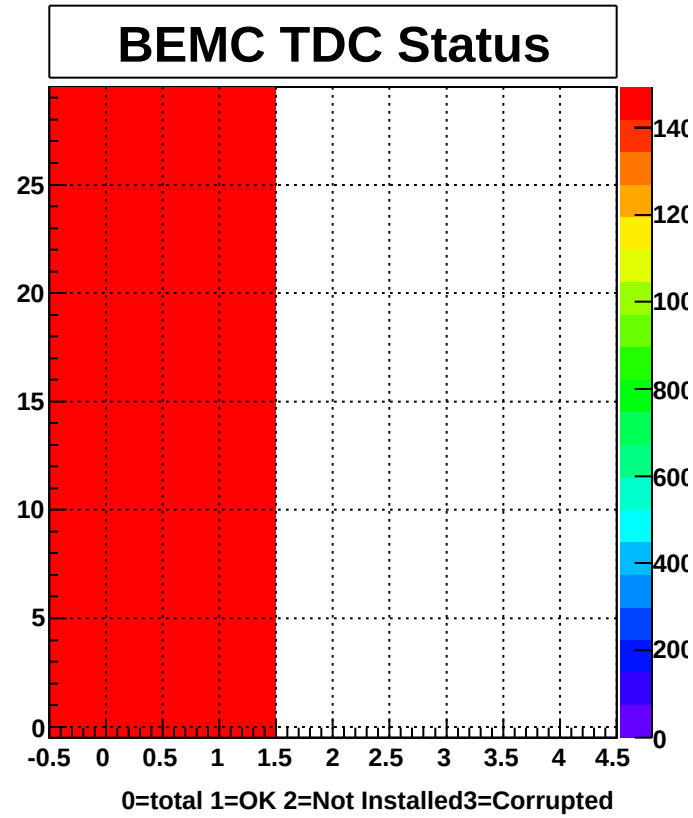

VPD TAC East vs. TAC West
TAC East
TAC West

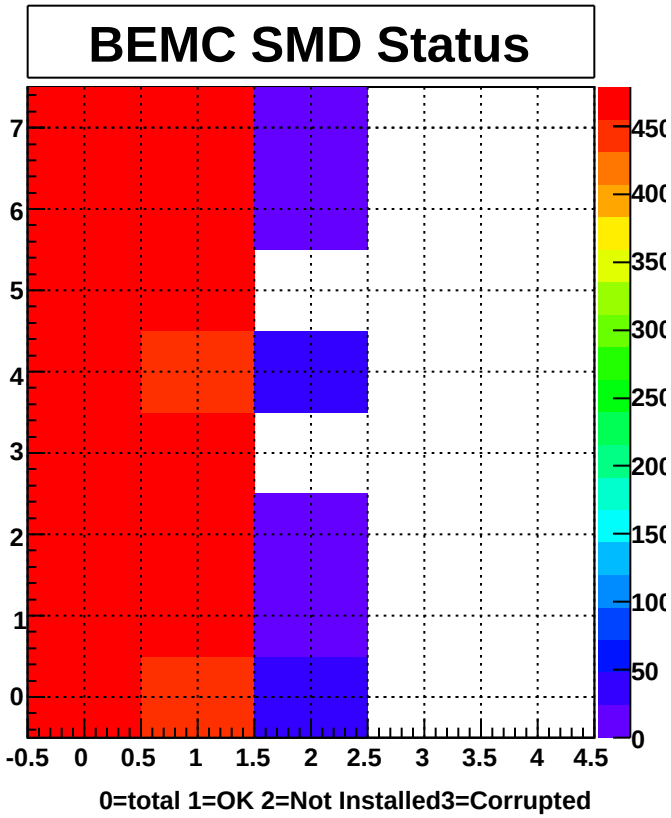

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

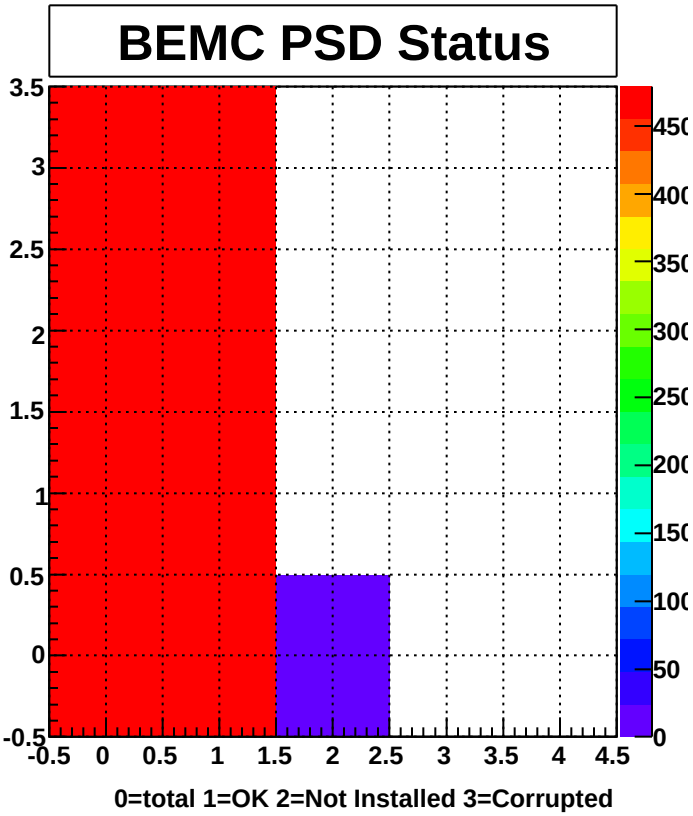

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

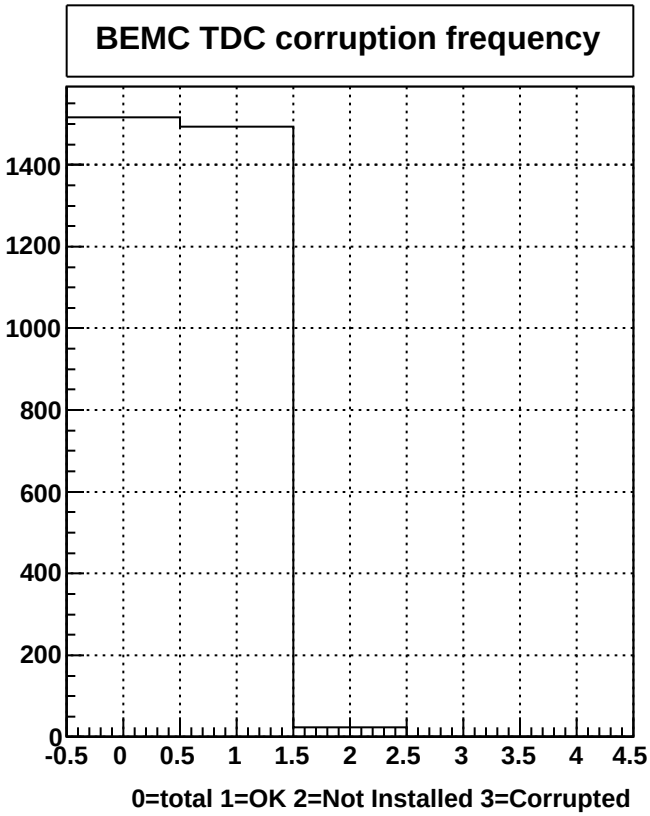

EarliestTAC vs chan west
Earliest TAC
Chan#(west)


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

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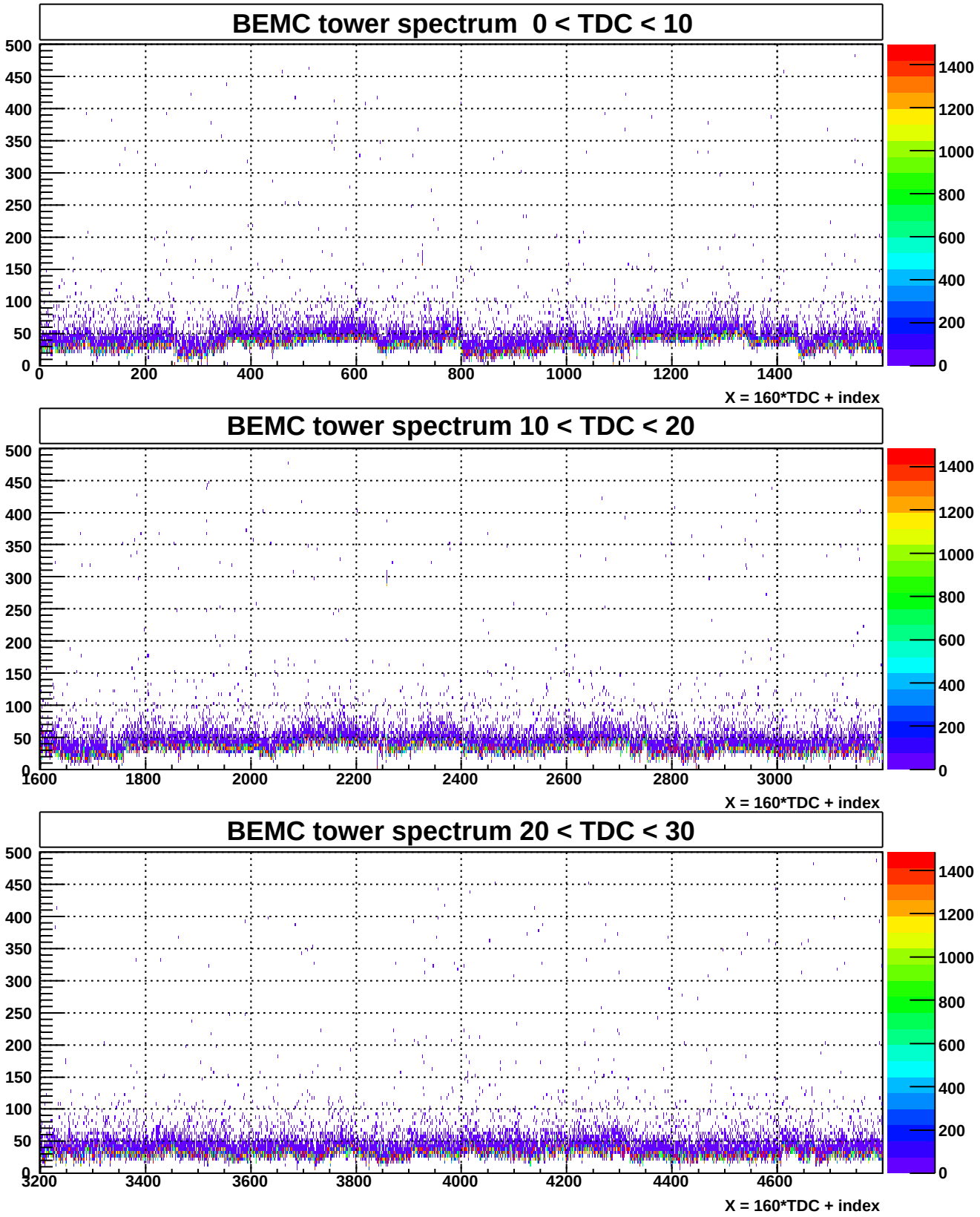


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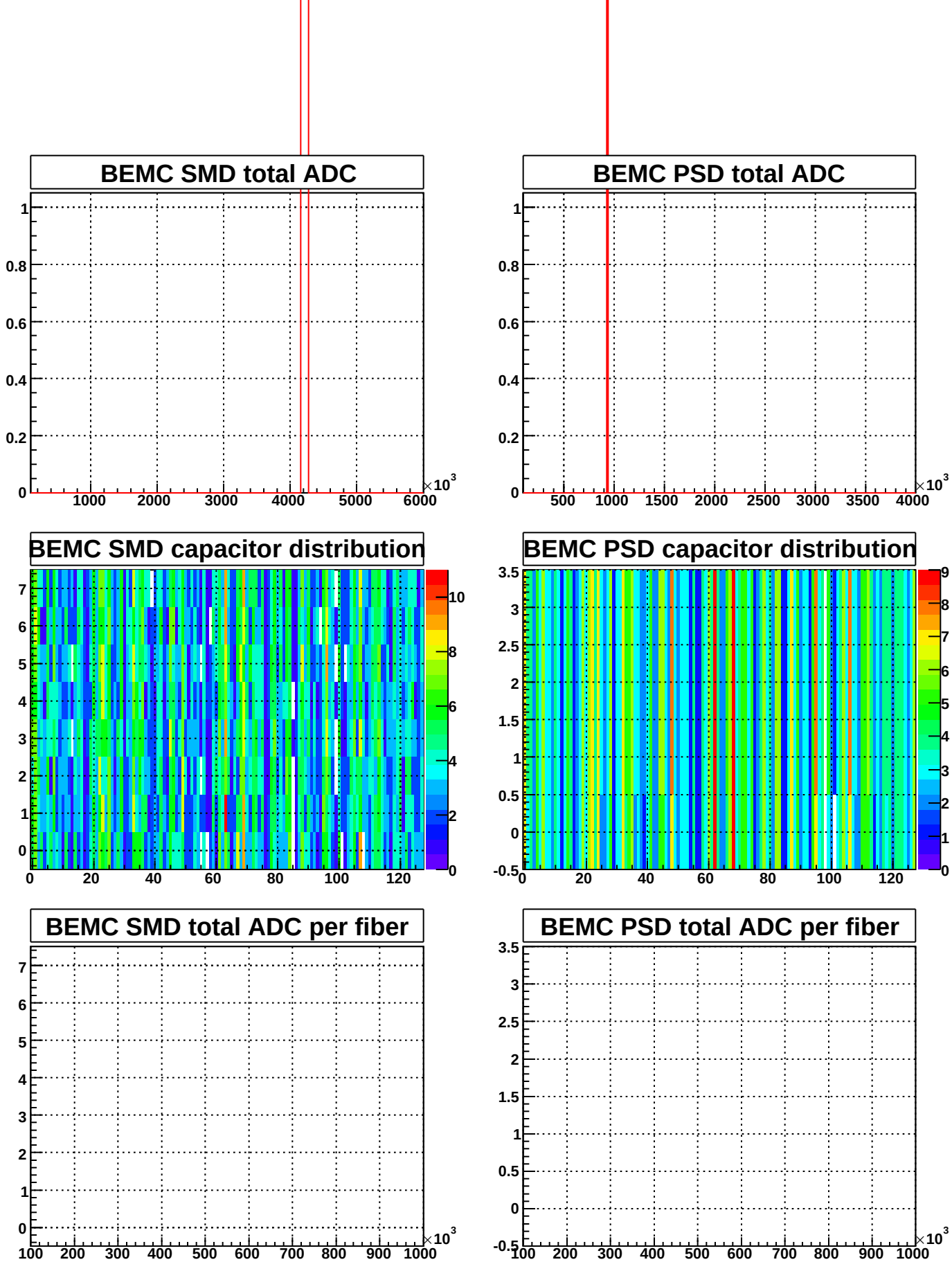


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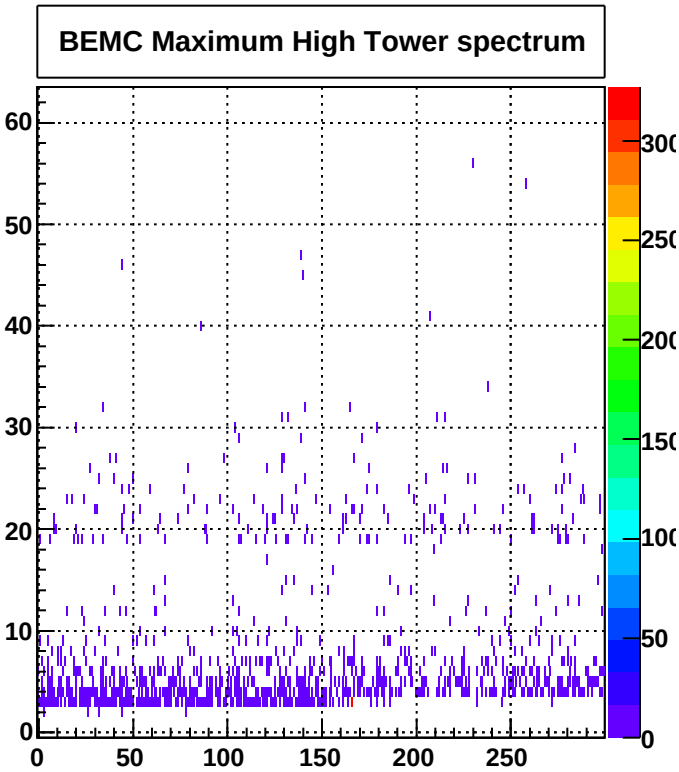


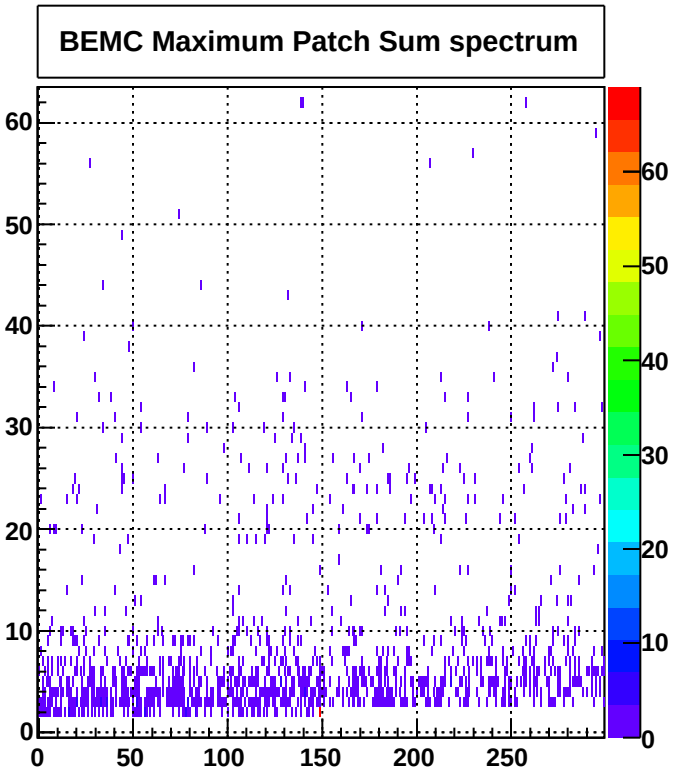


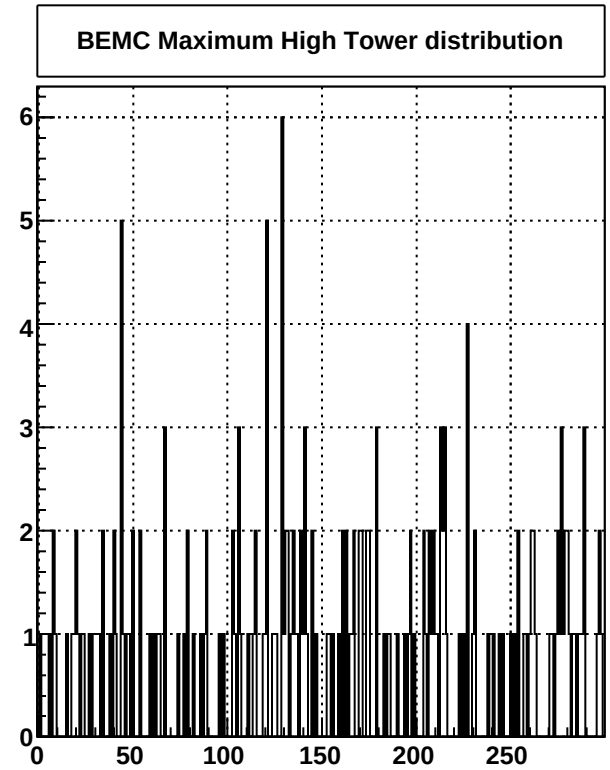


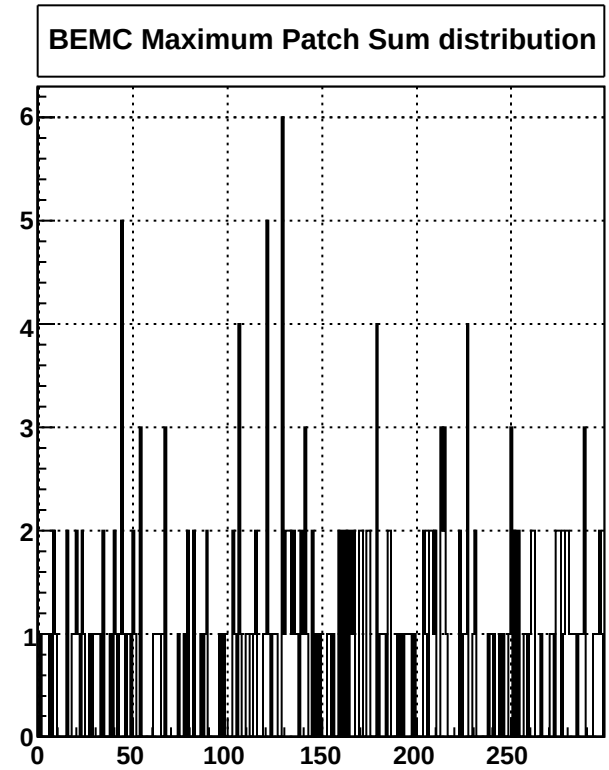


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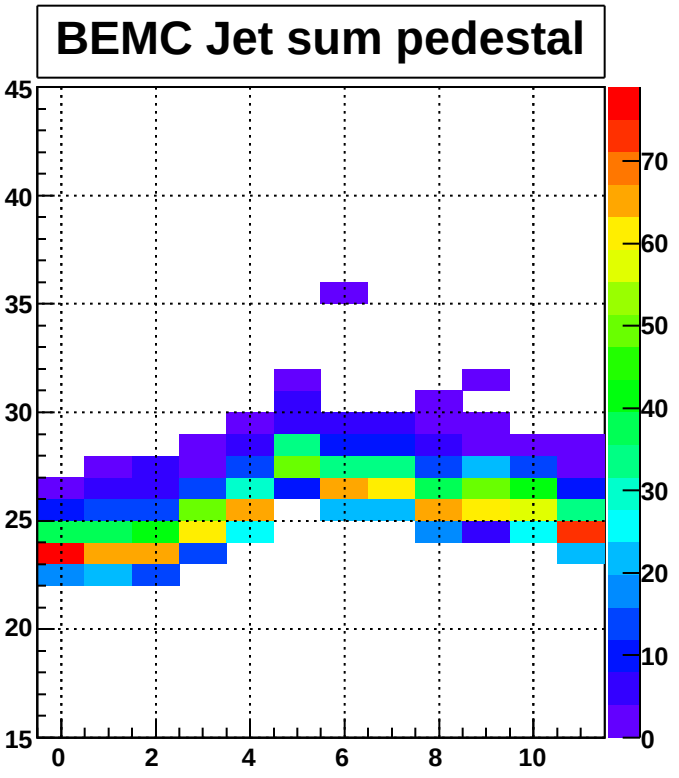


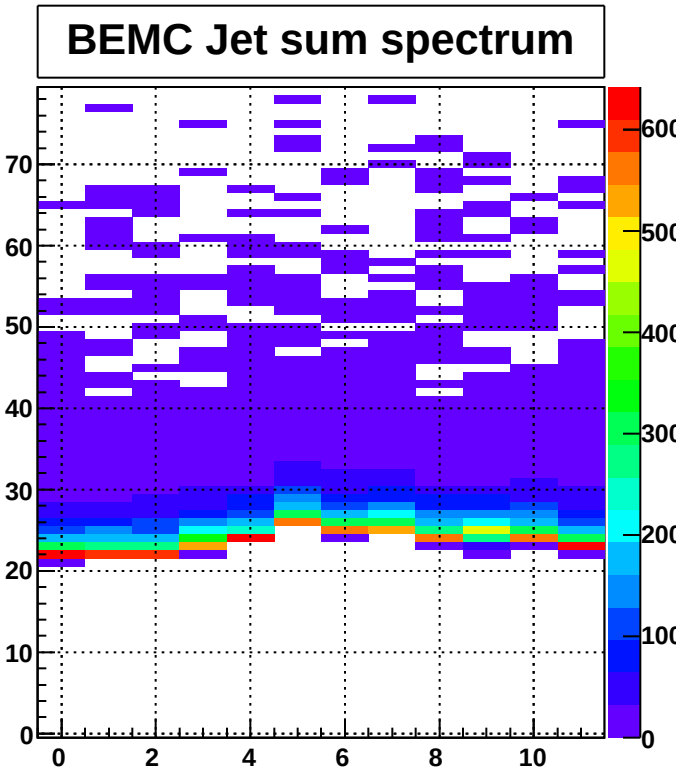


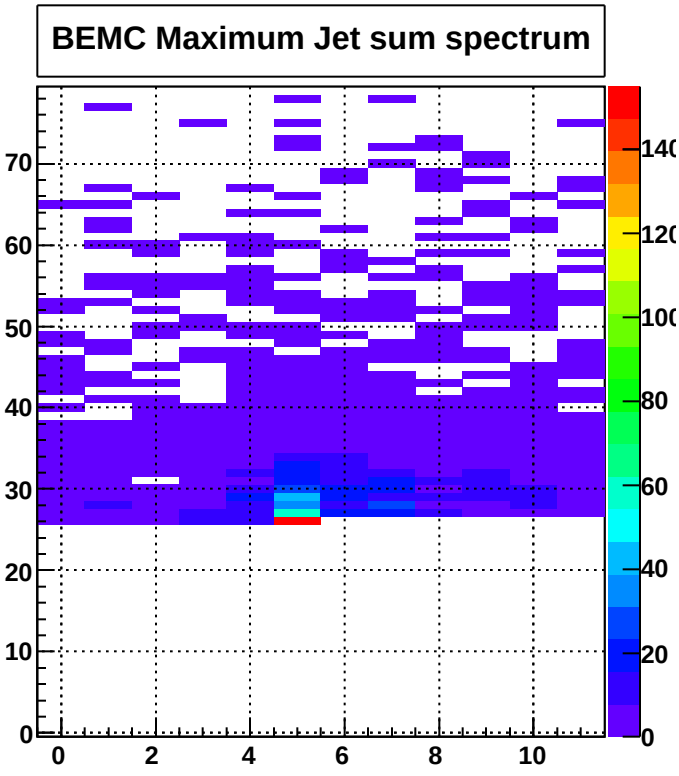


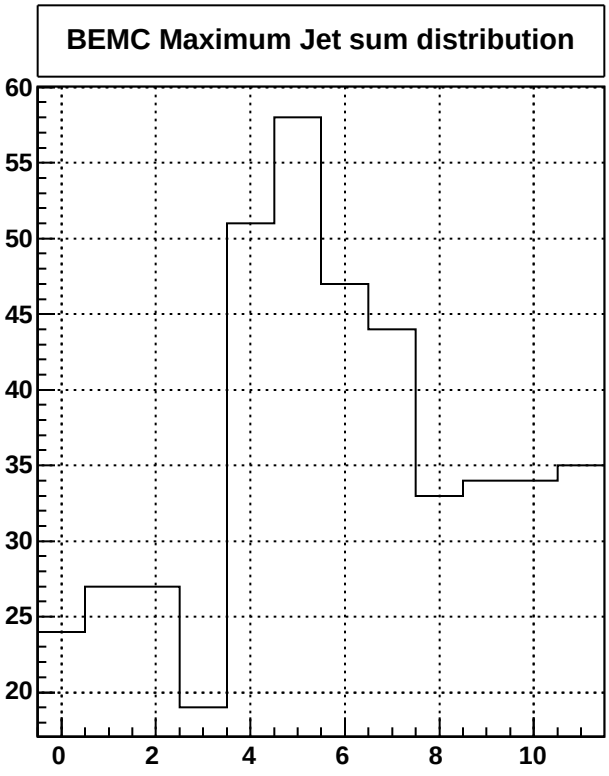


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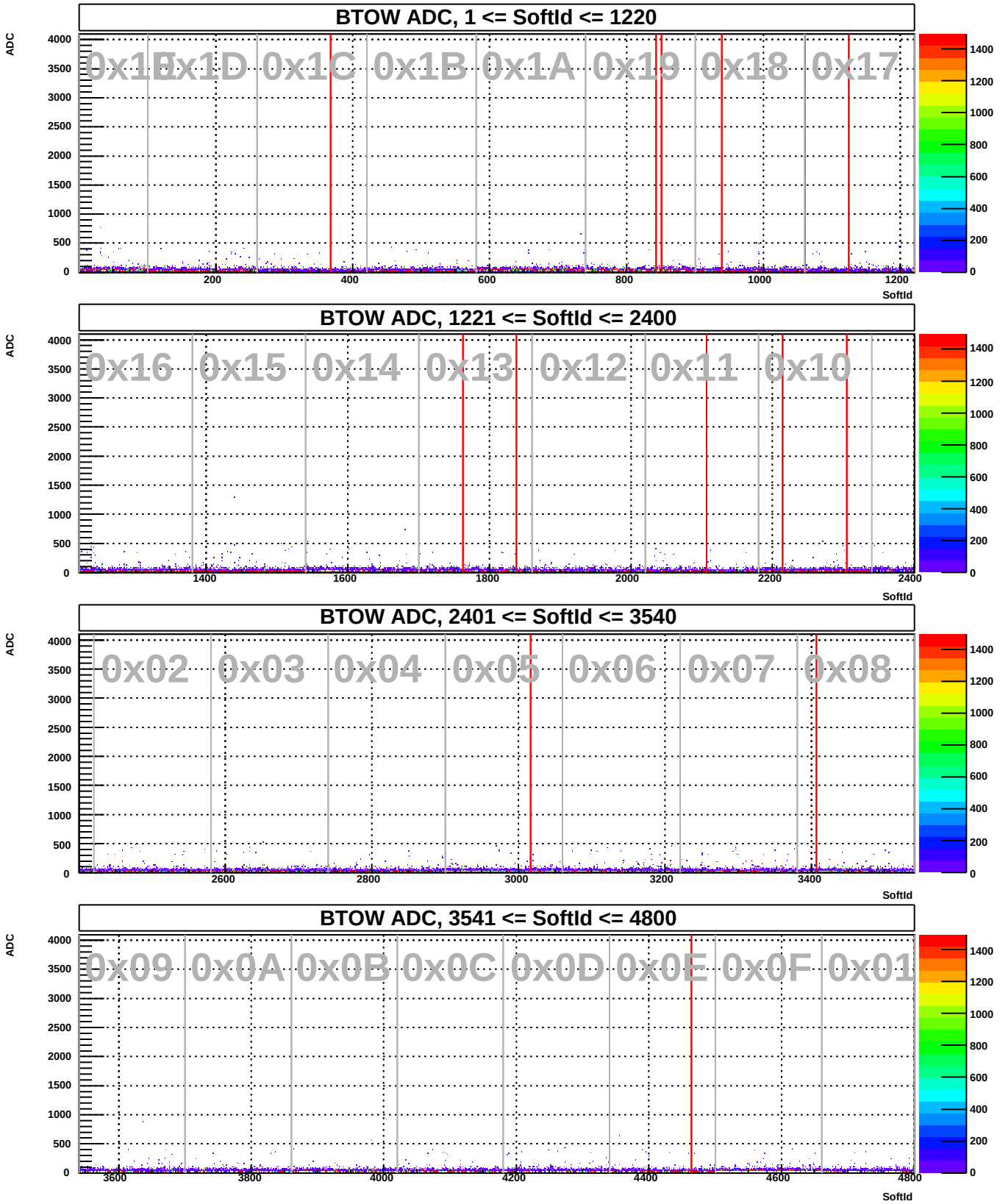


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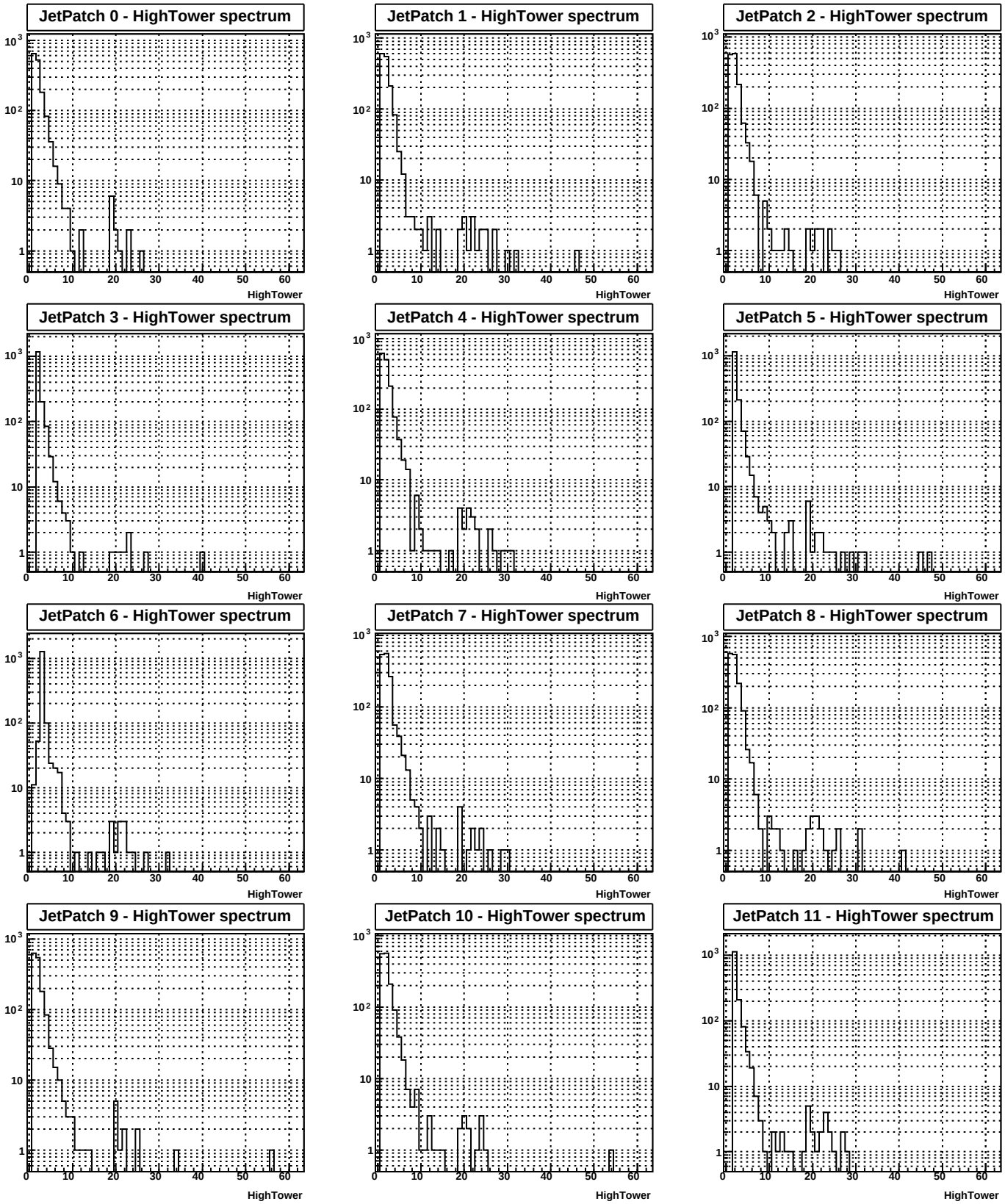


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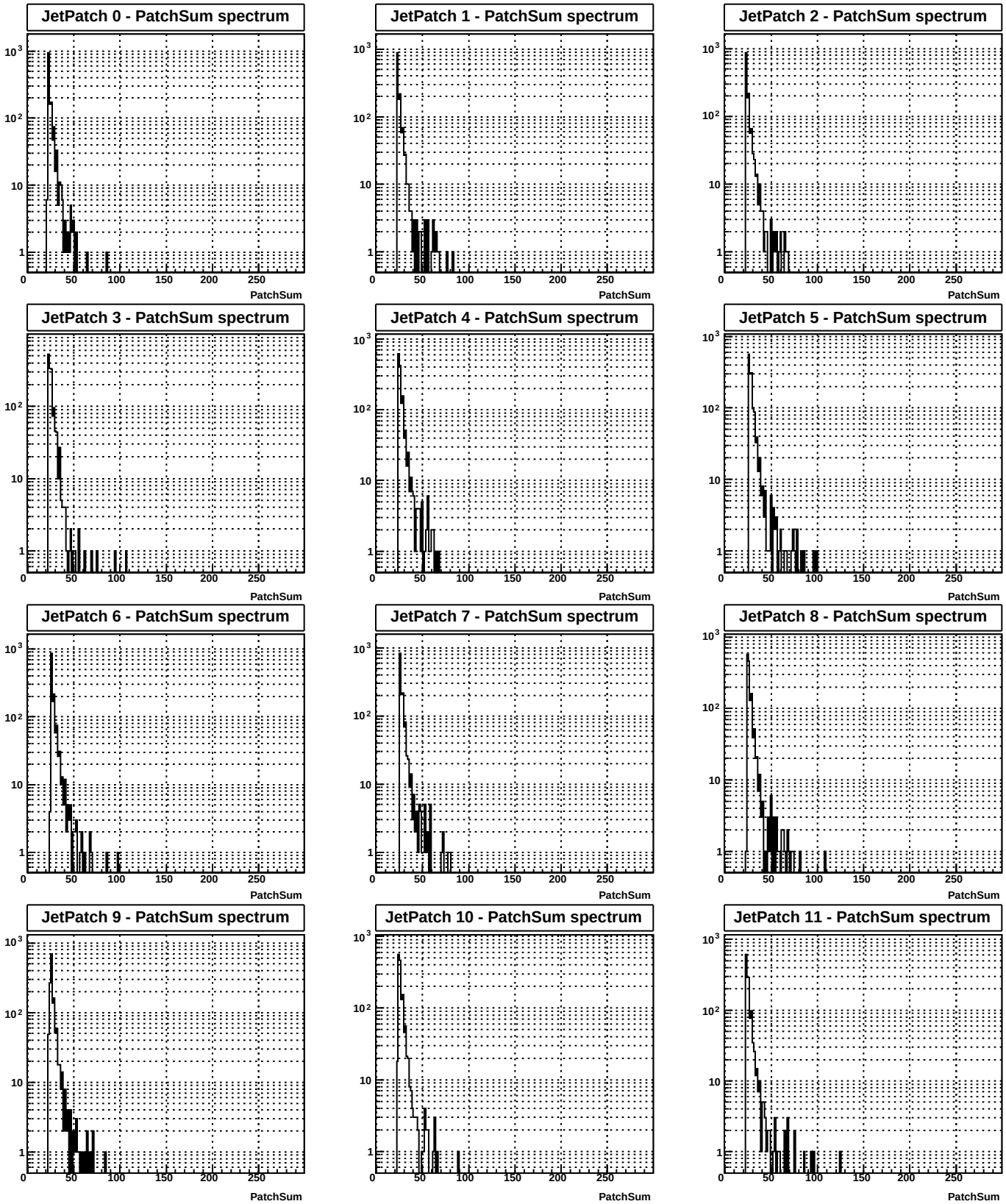


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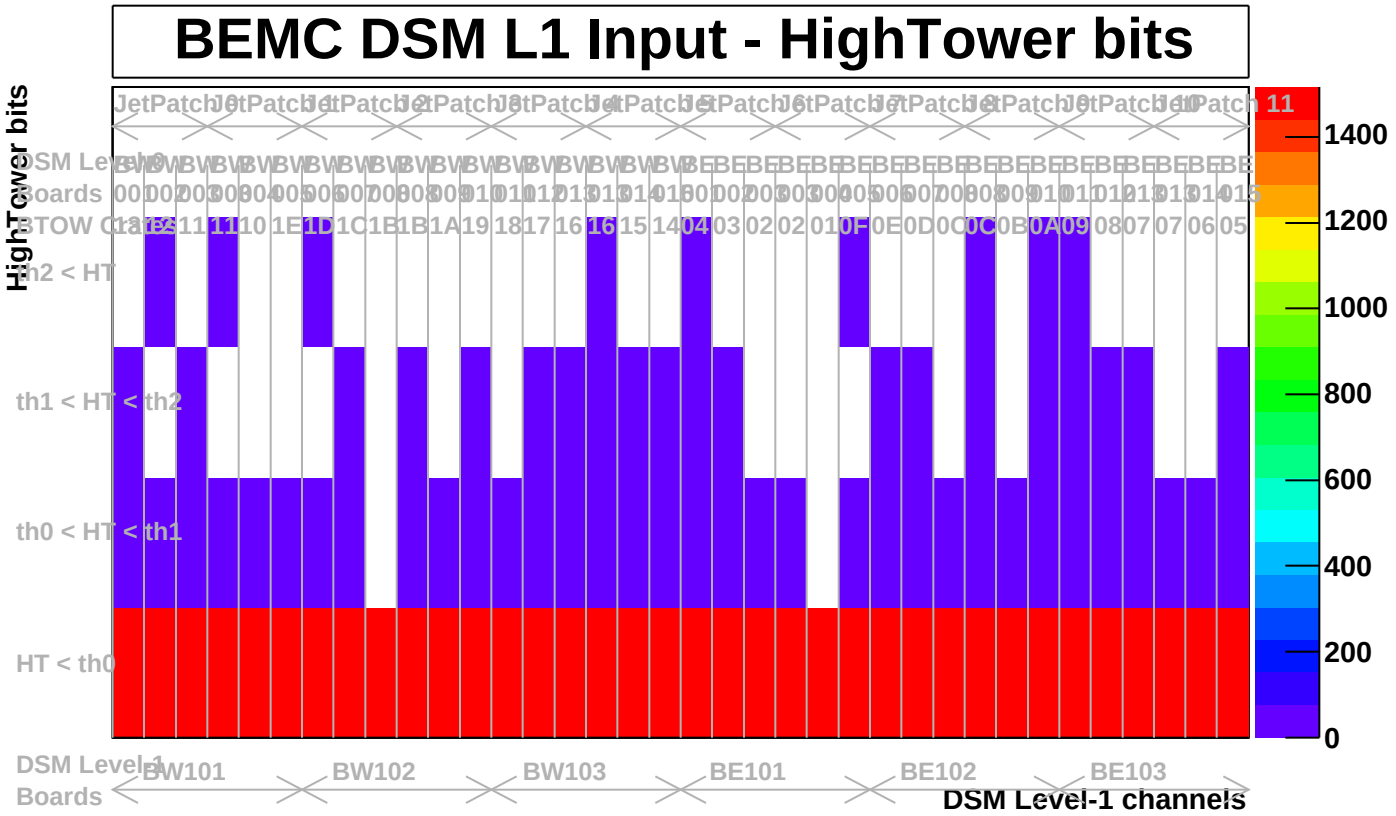


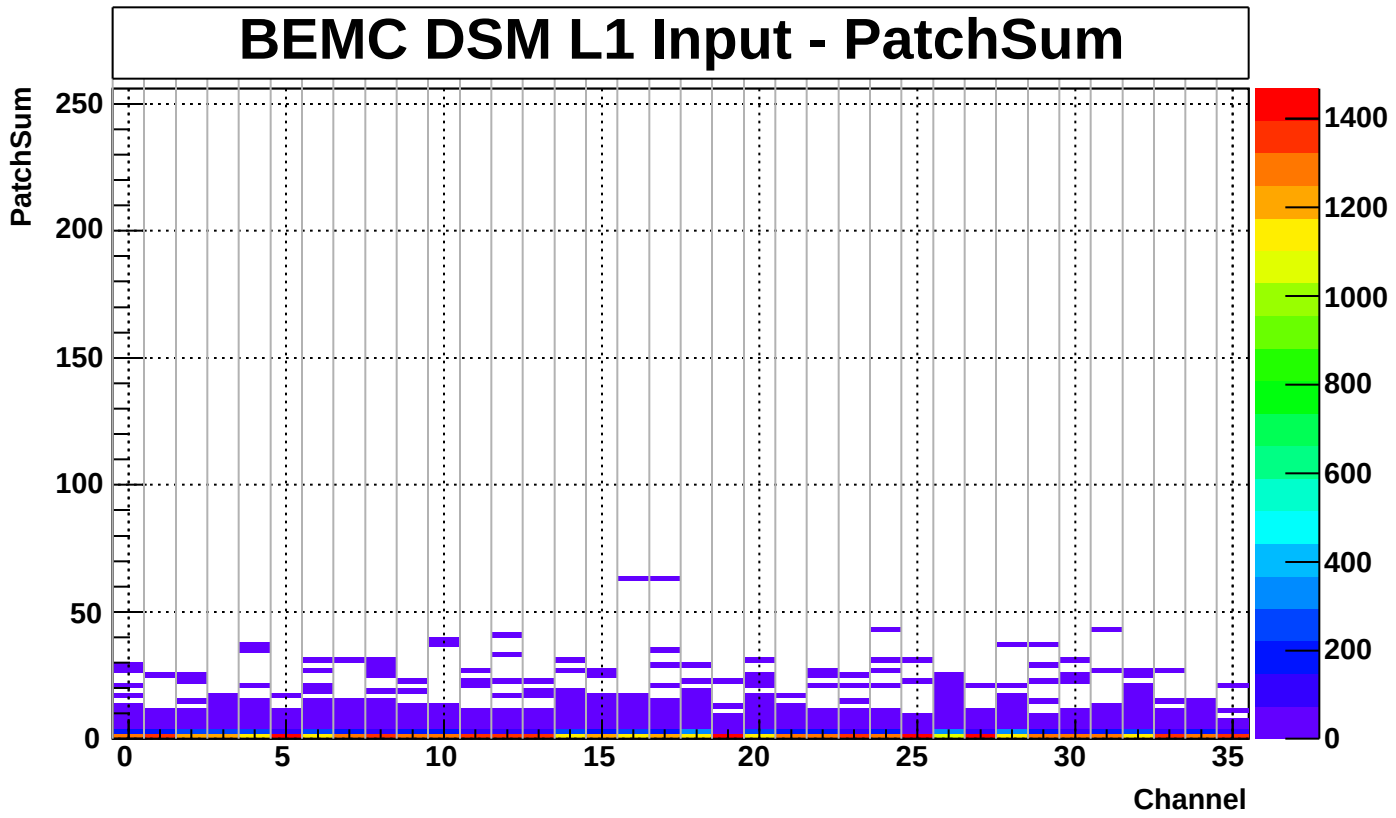


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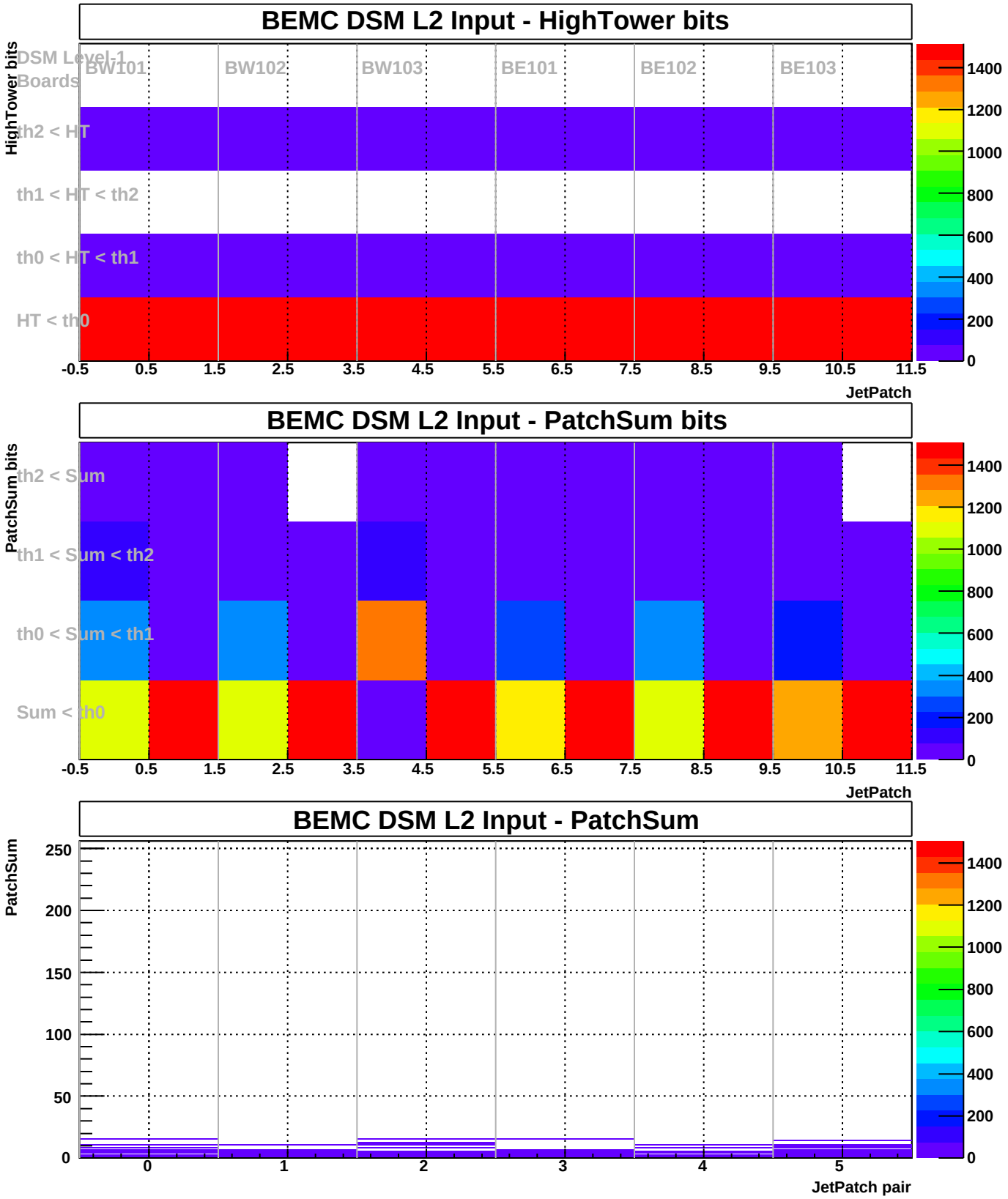


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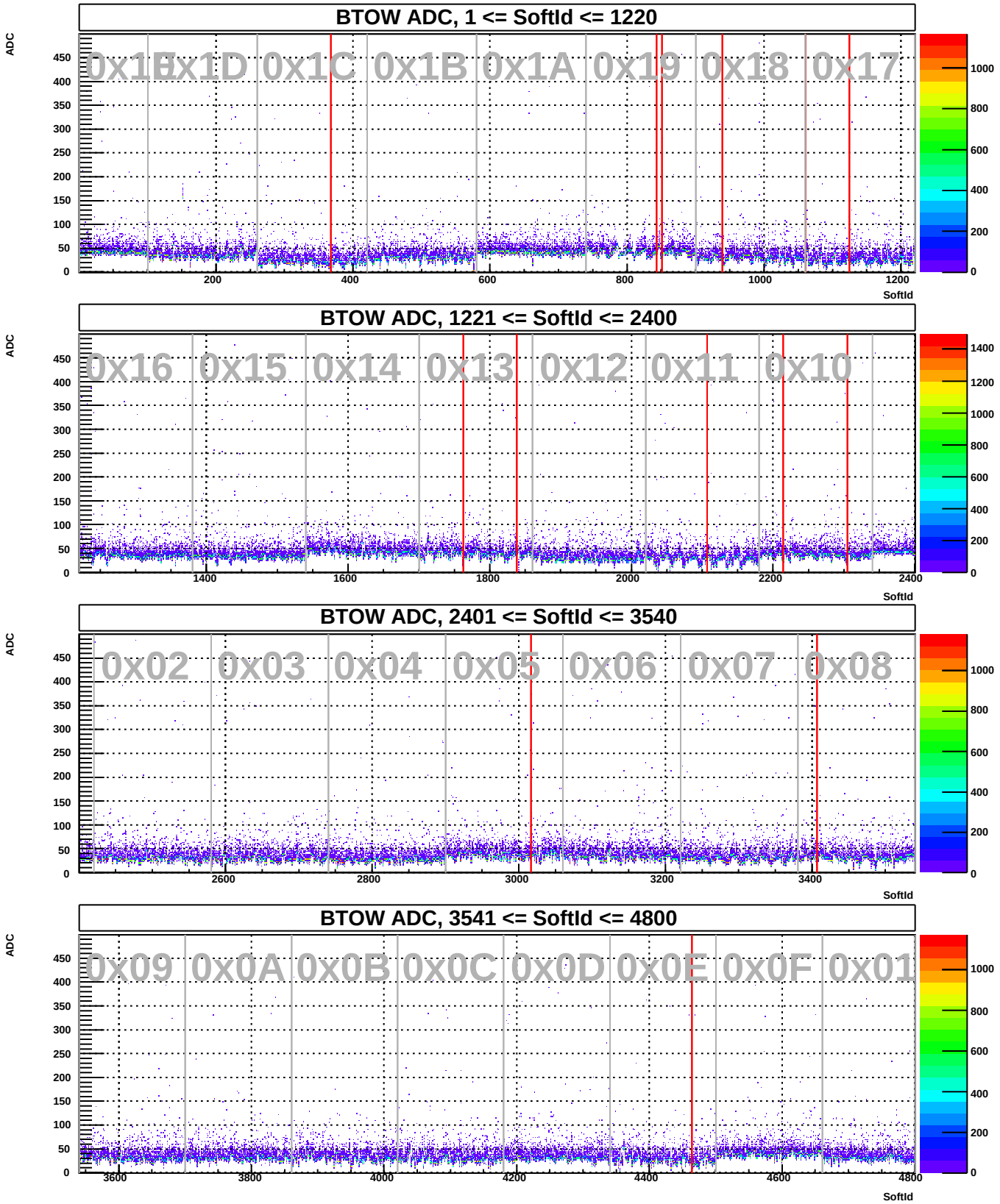
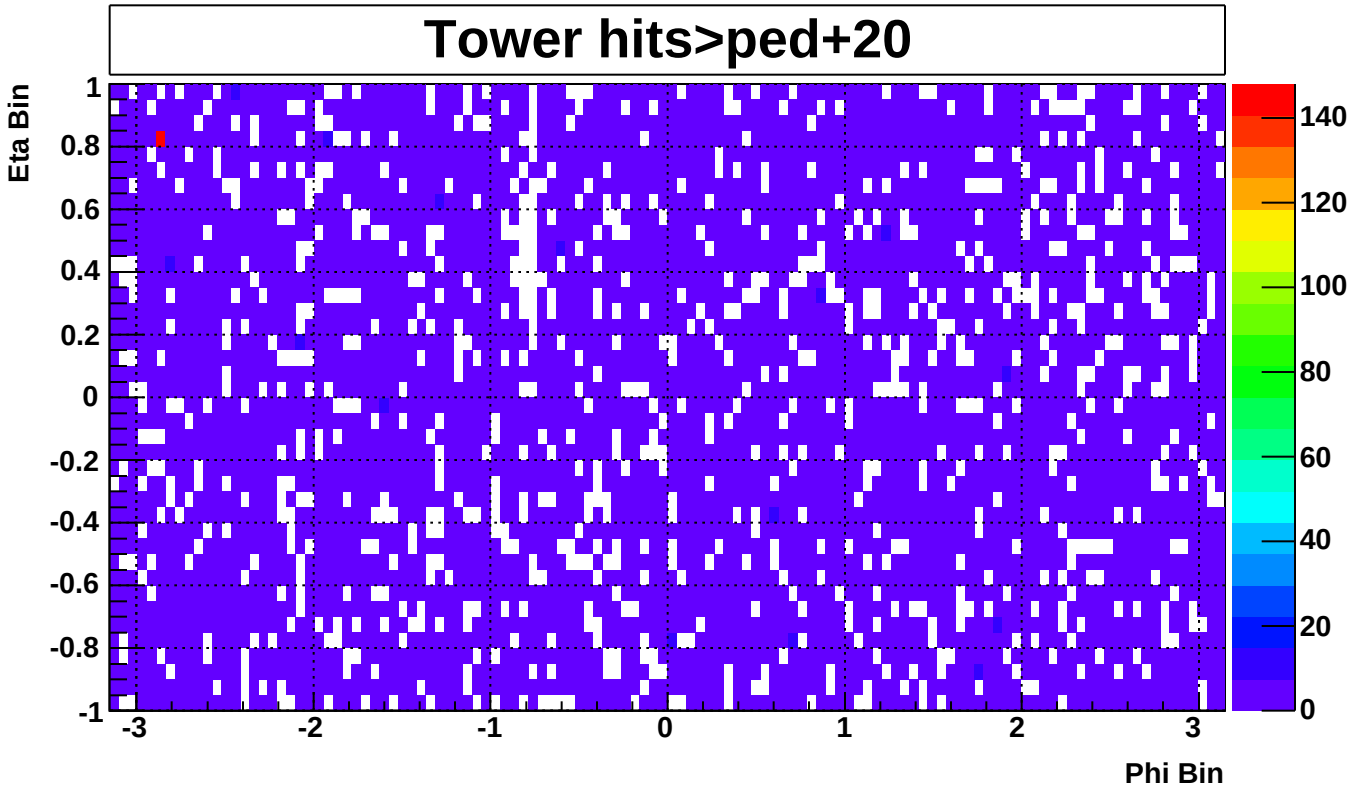
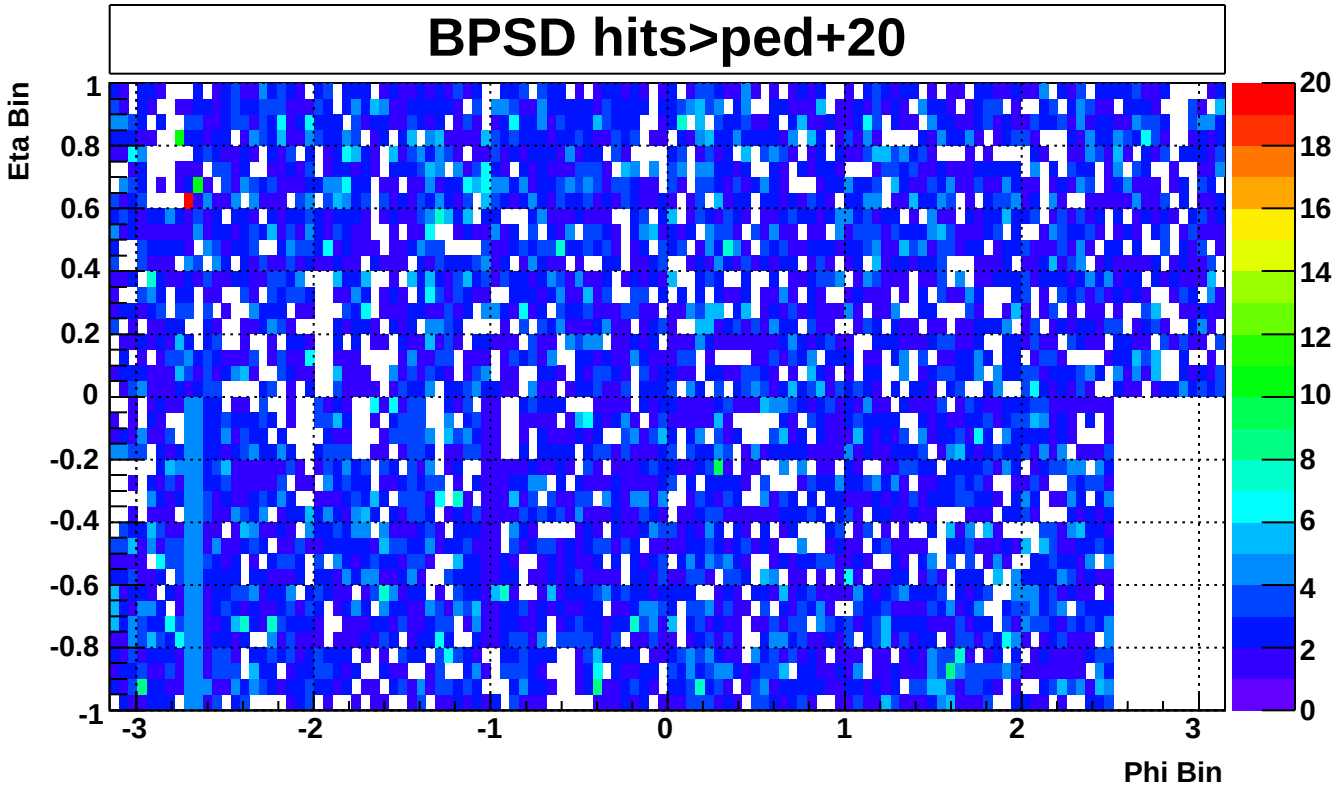



**Sun Mar 20 20:25:28 2011**

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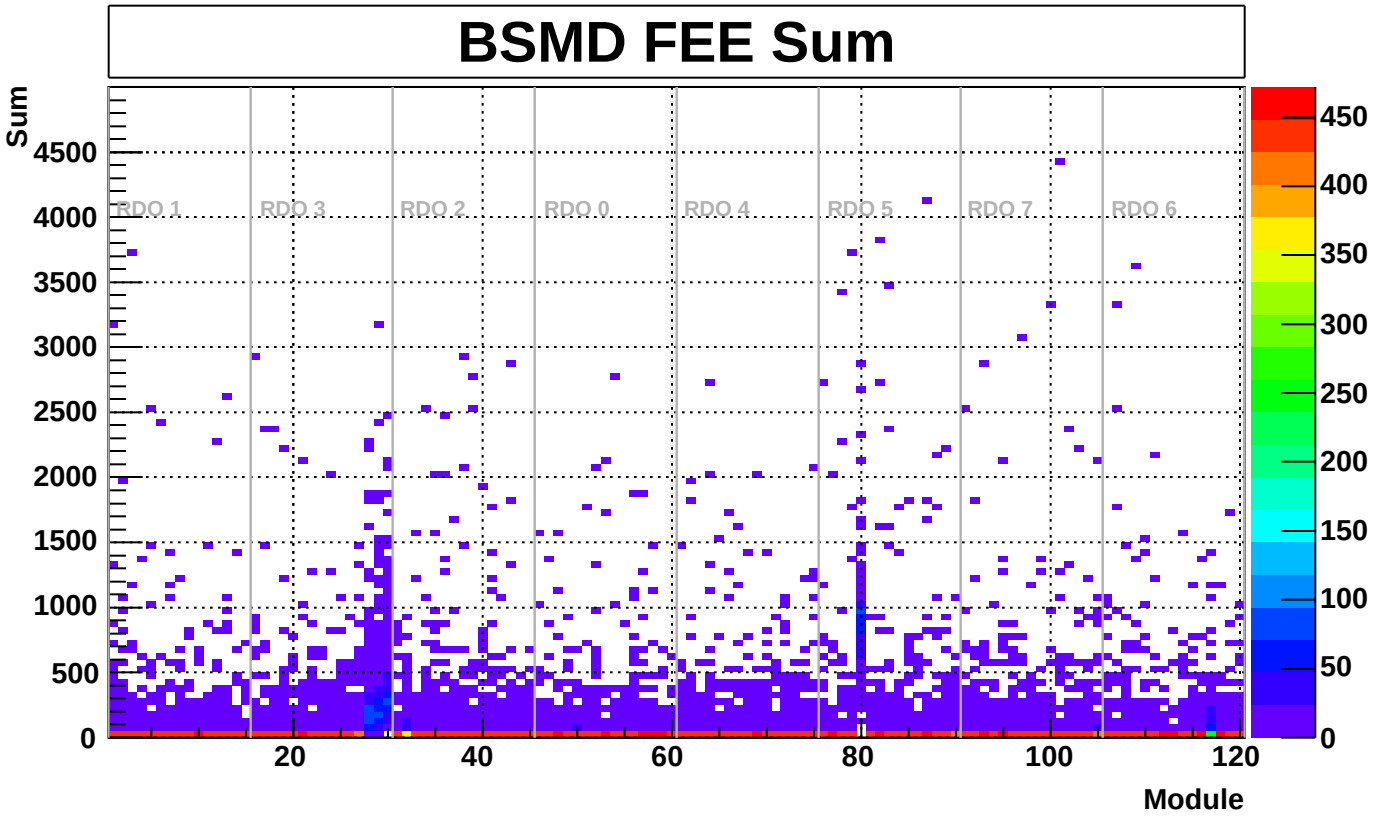


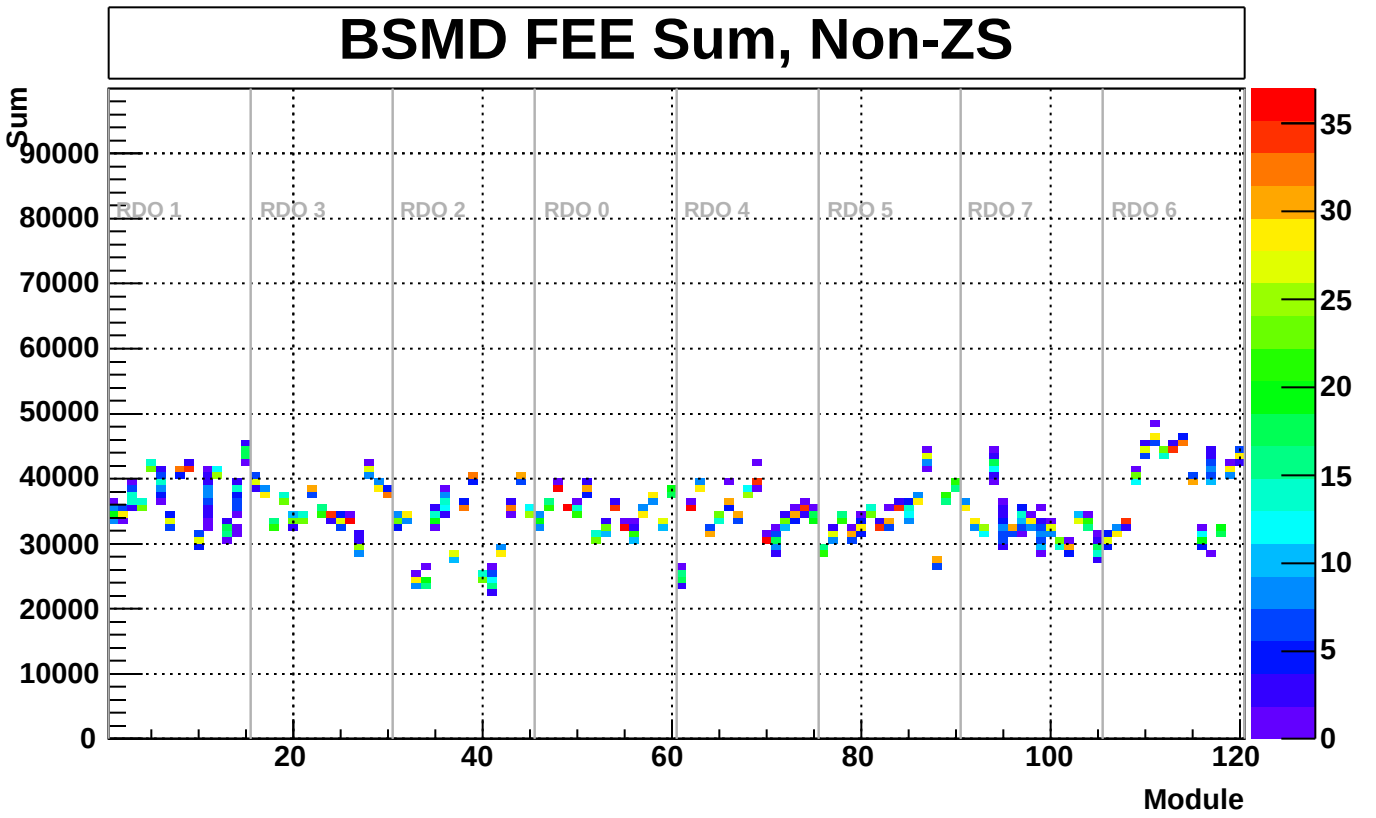


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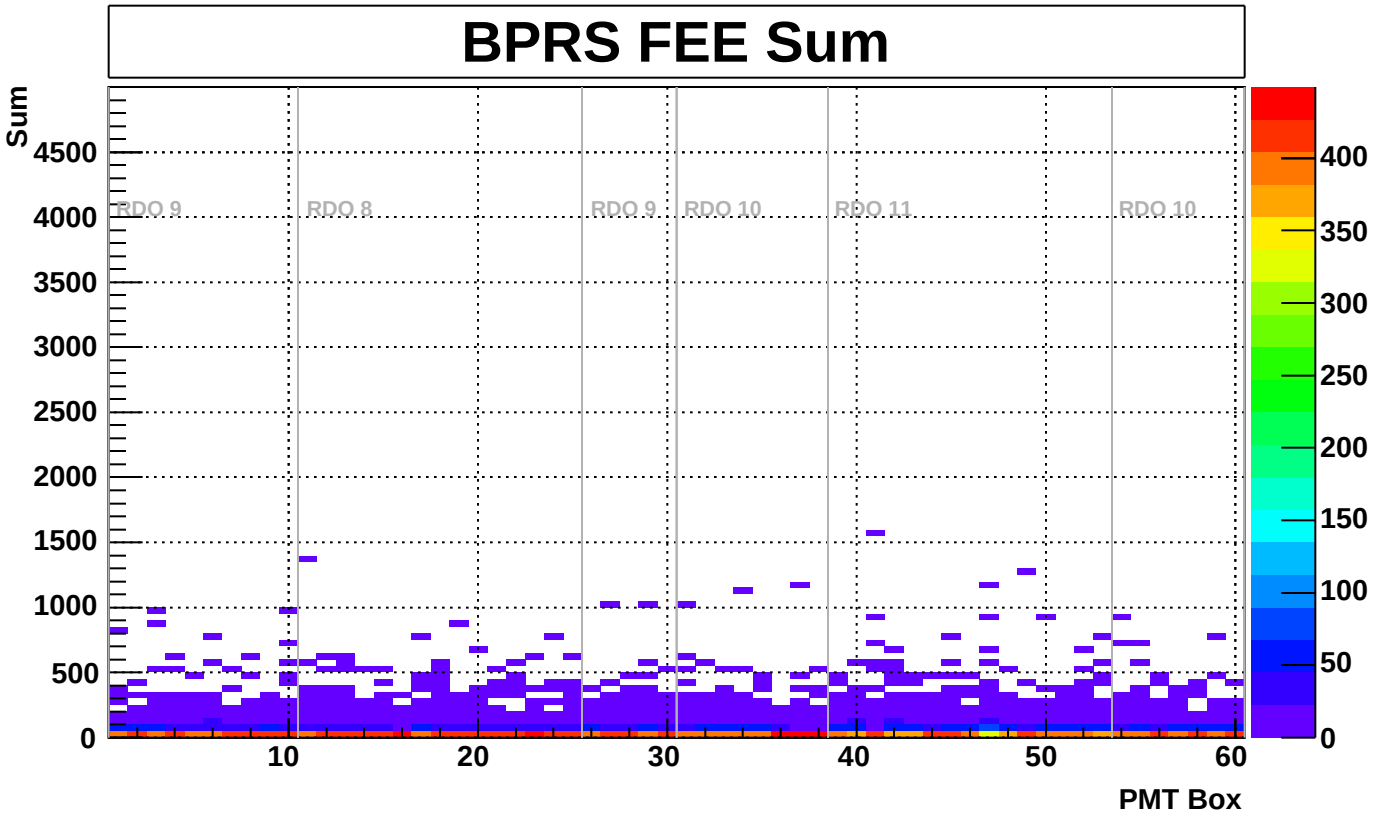


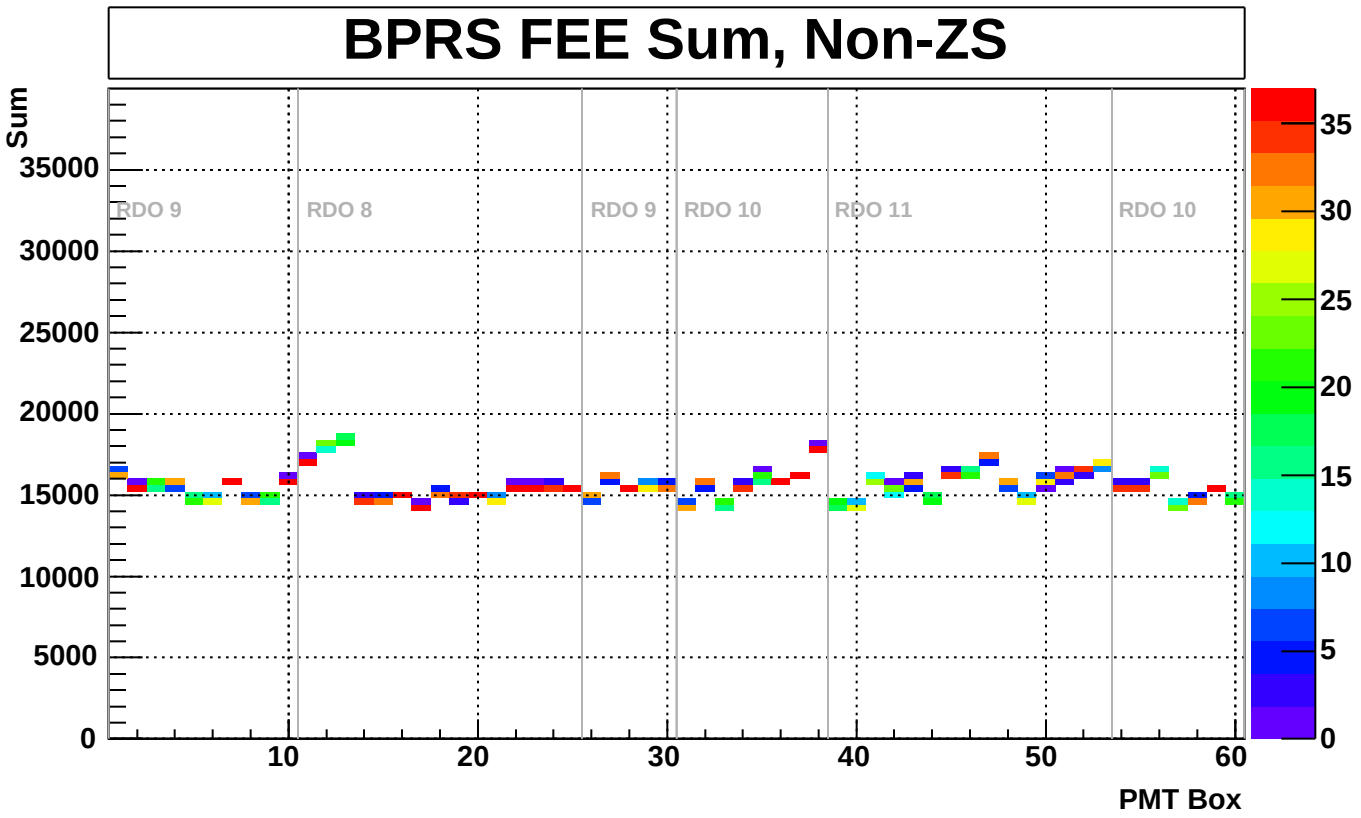


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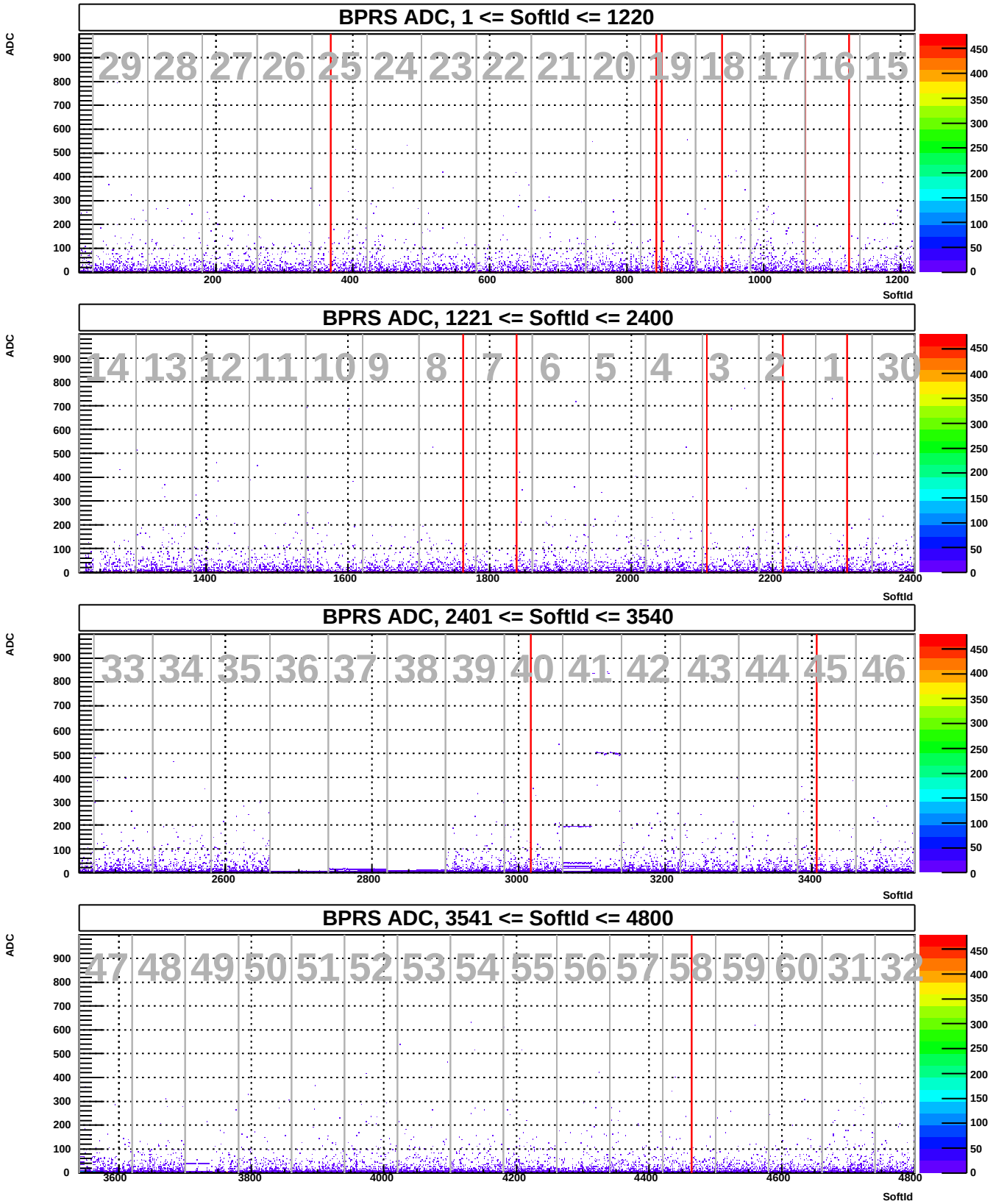
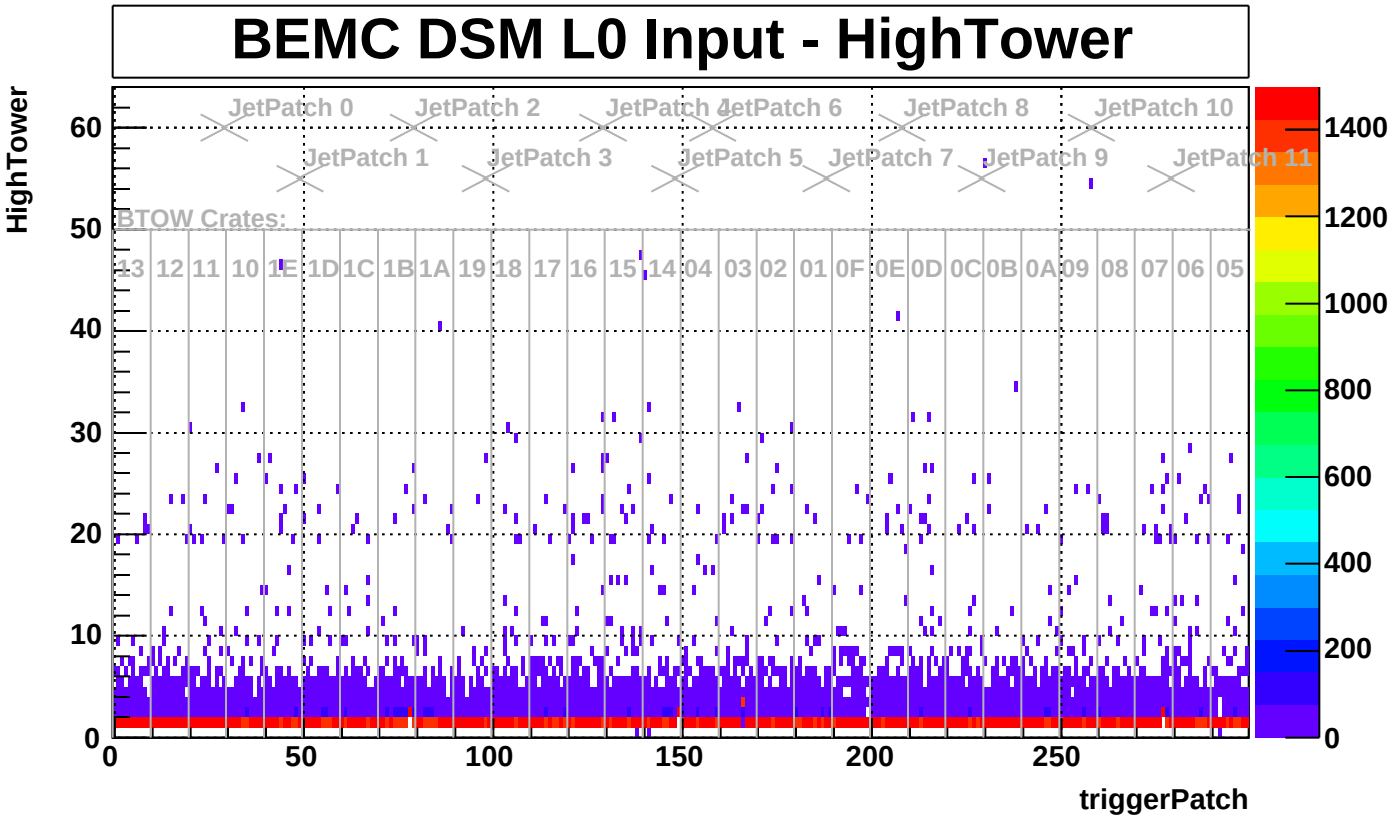
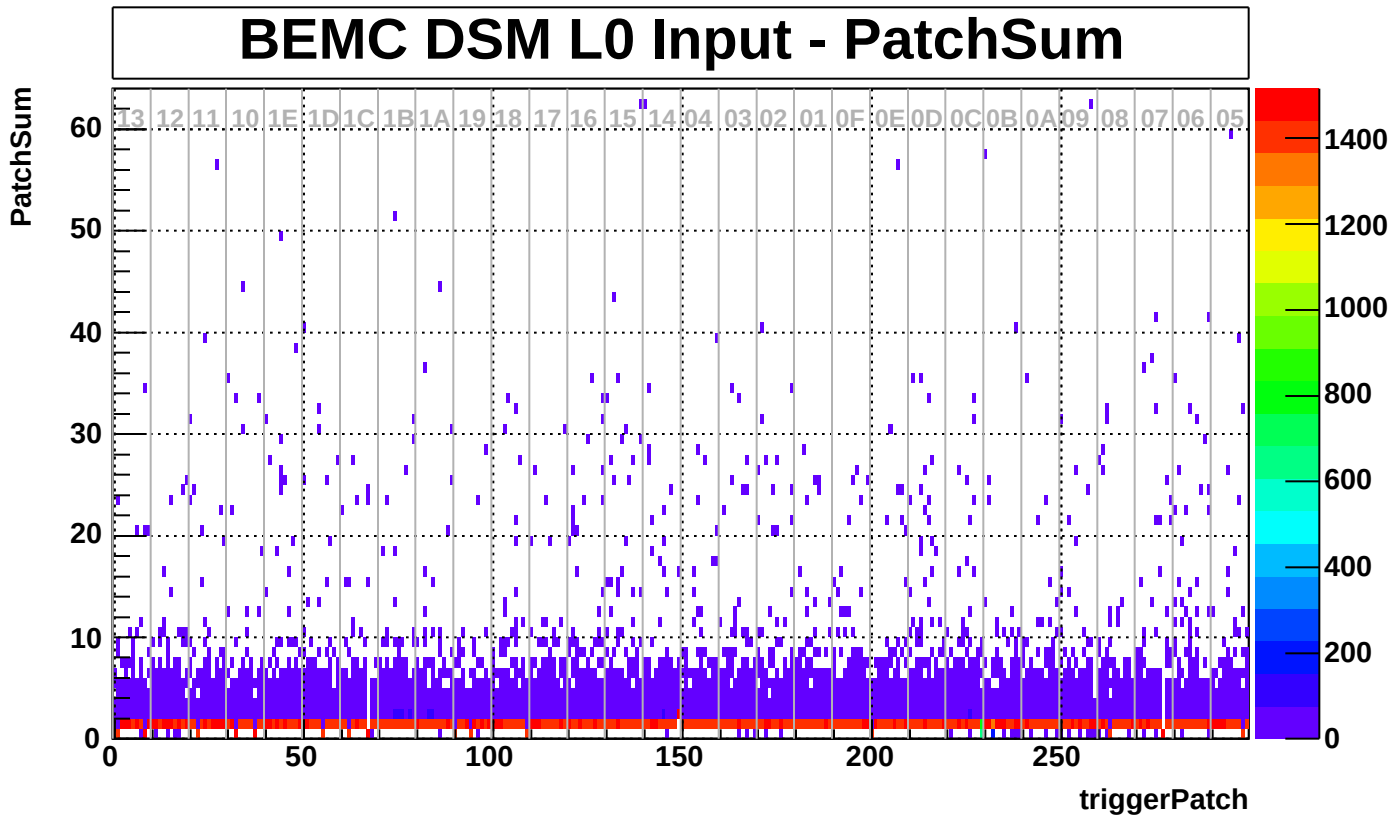



**Sun Mar 20 20:25:32 2011**

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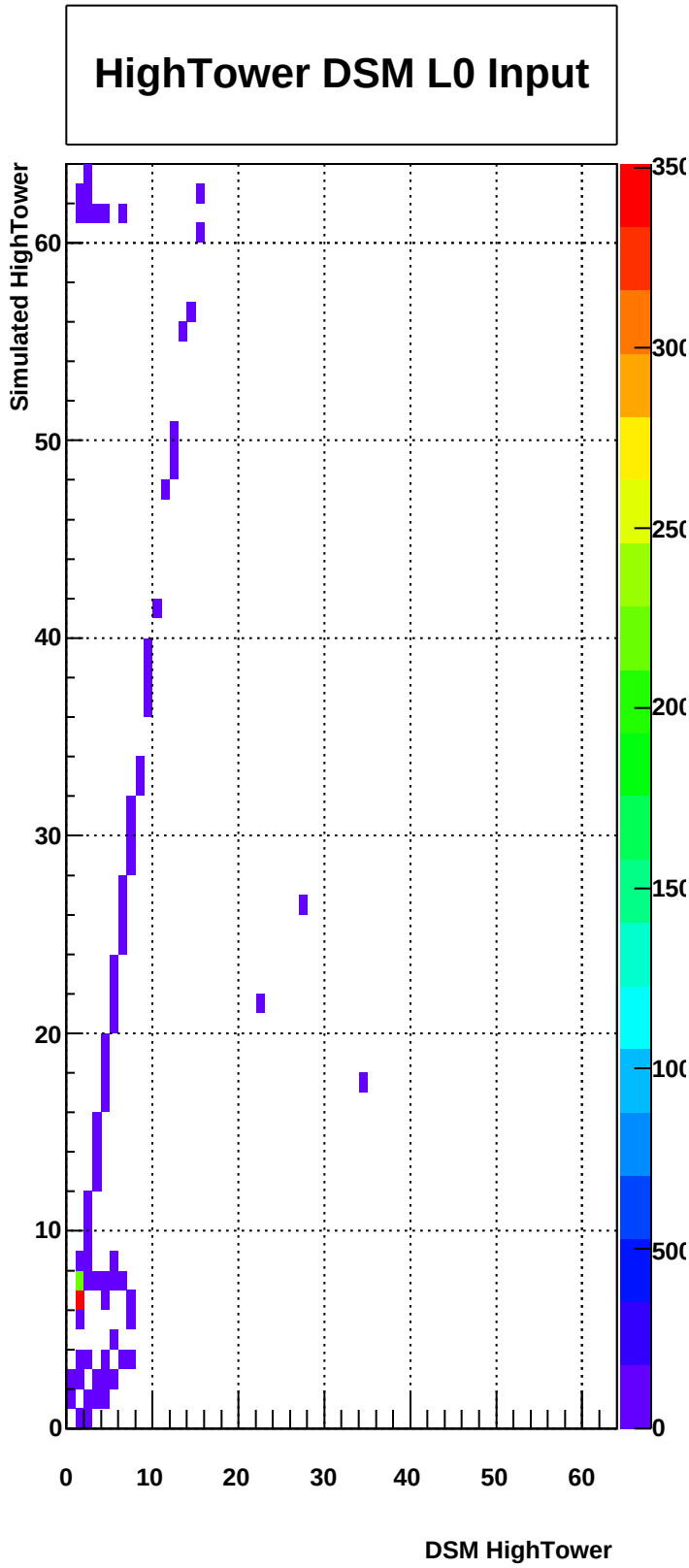


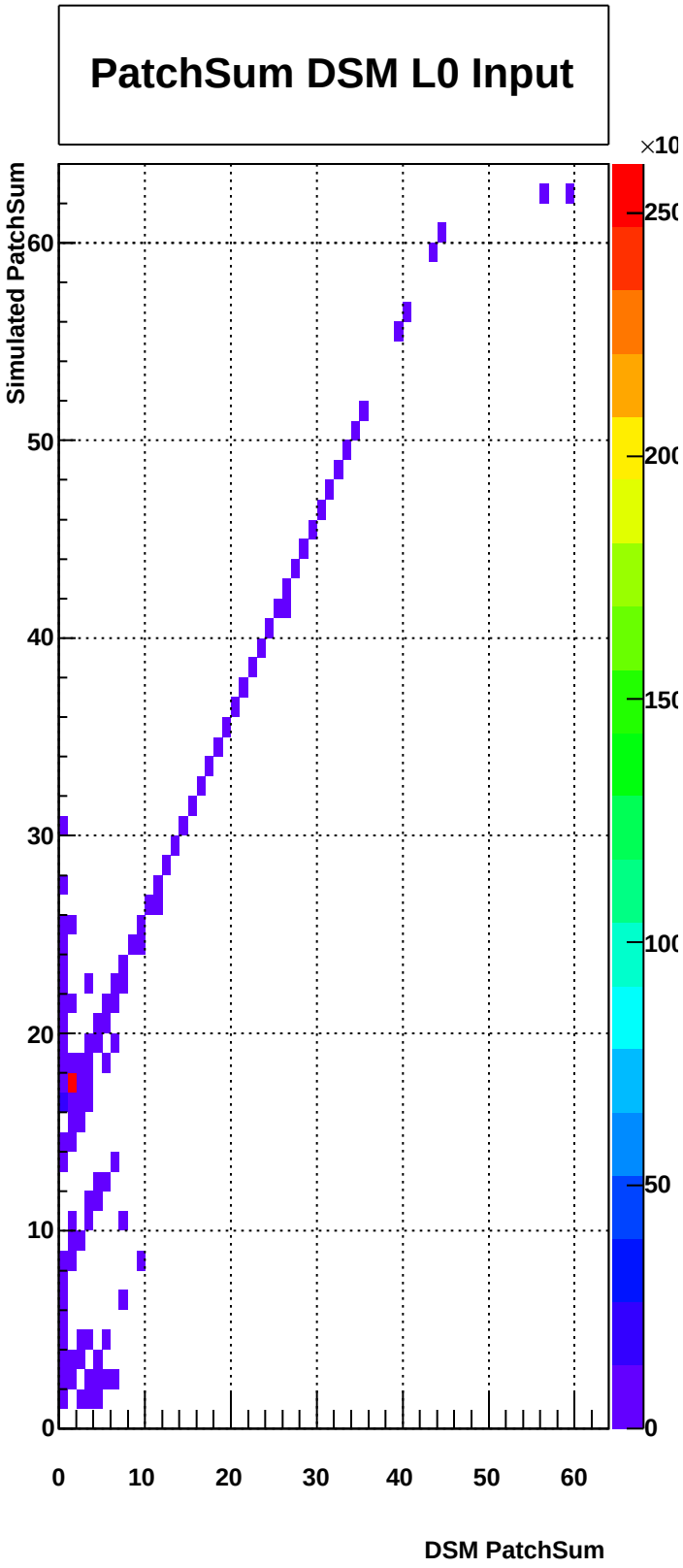


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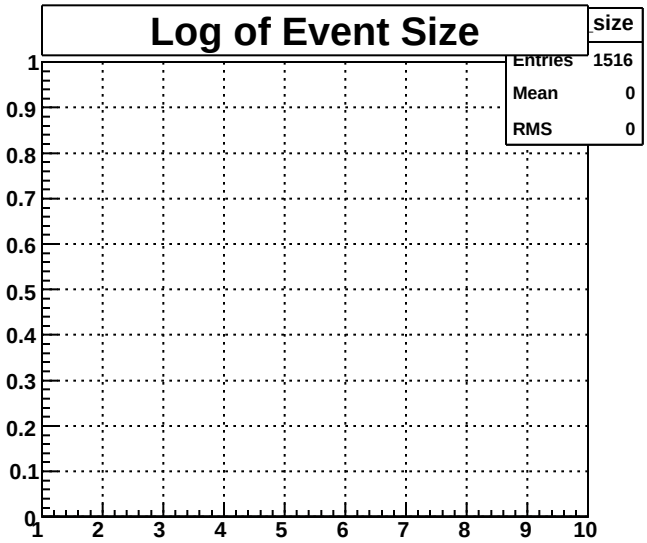
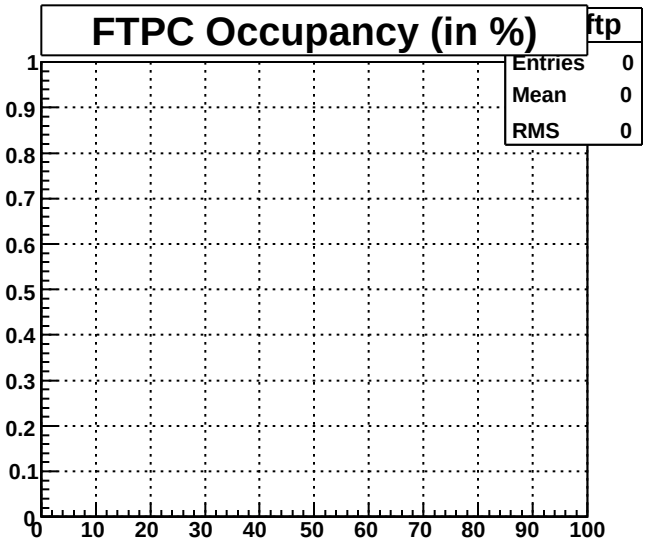
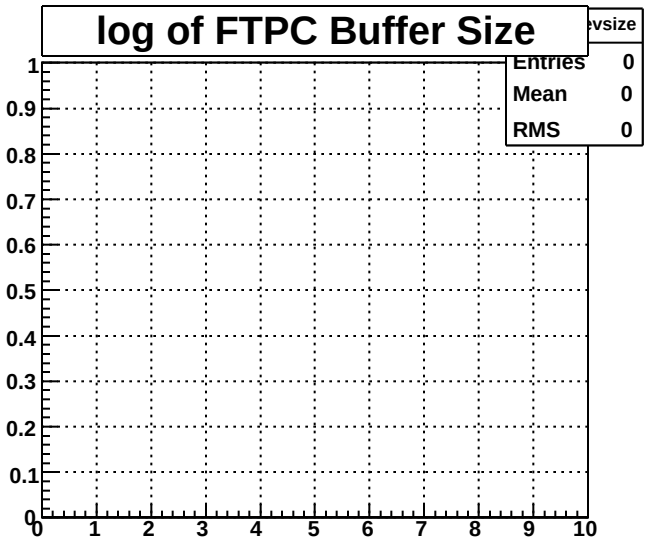
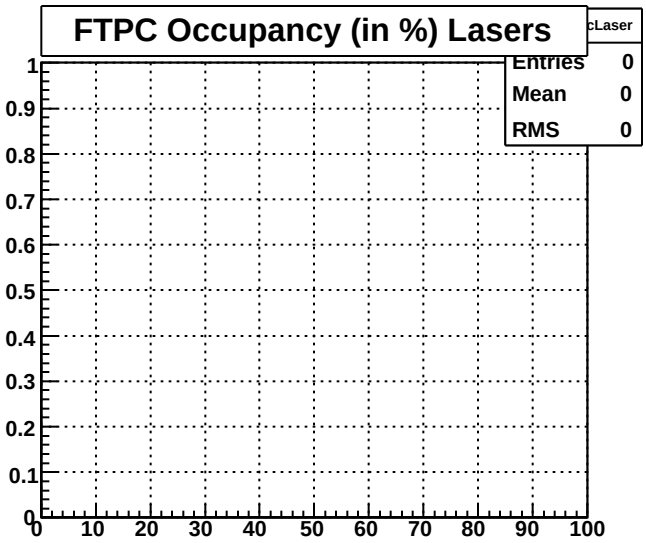
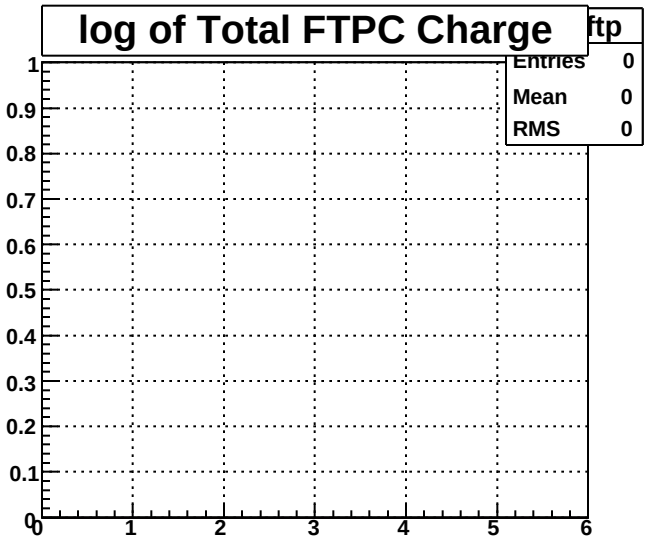
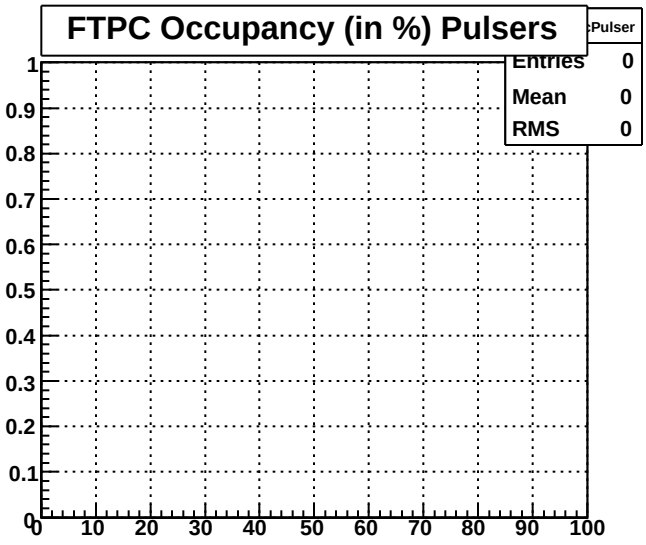

Log of Event Size
size
Entries 1516
Mean 0
RMS 0

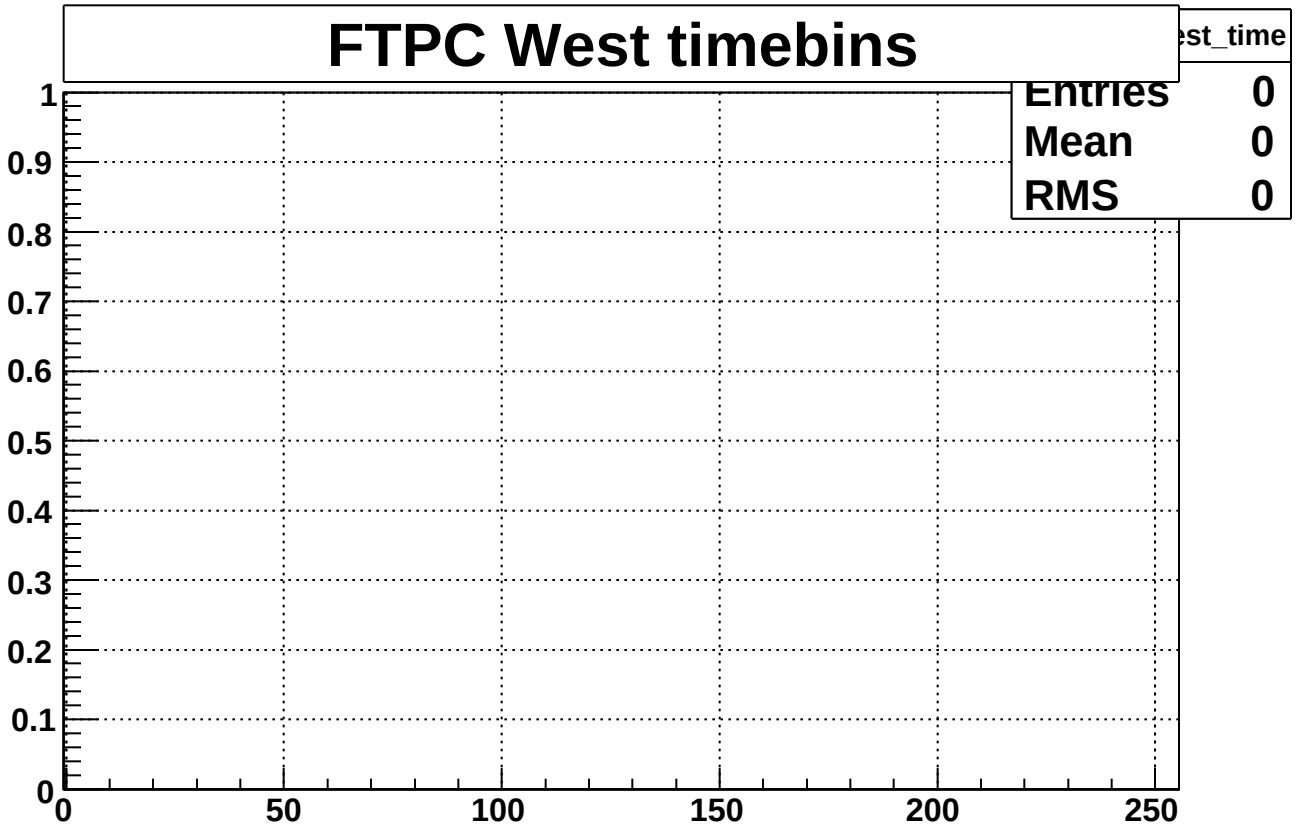

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

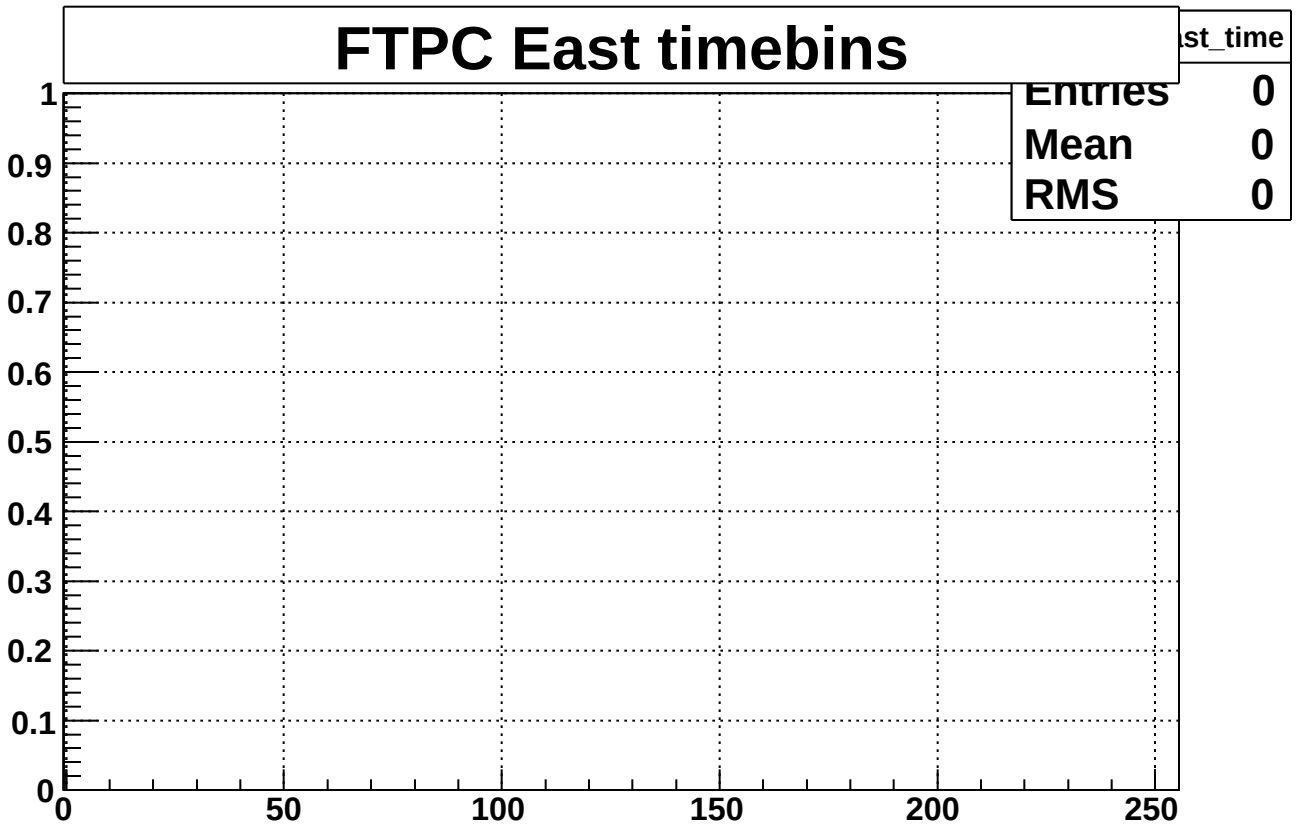

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

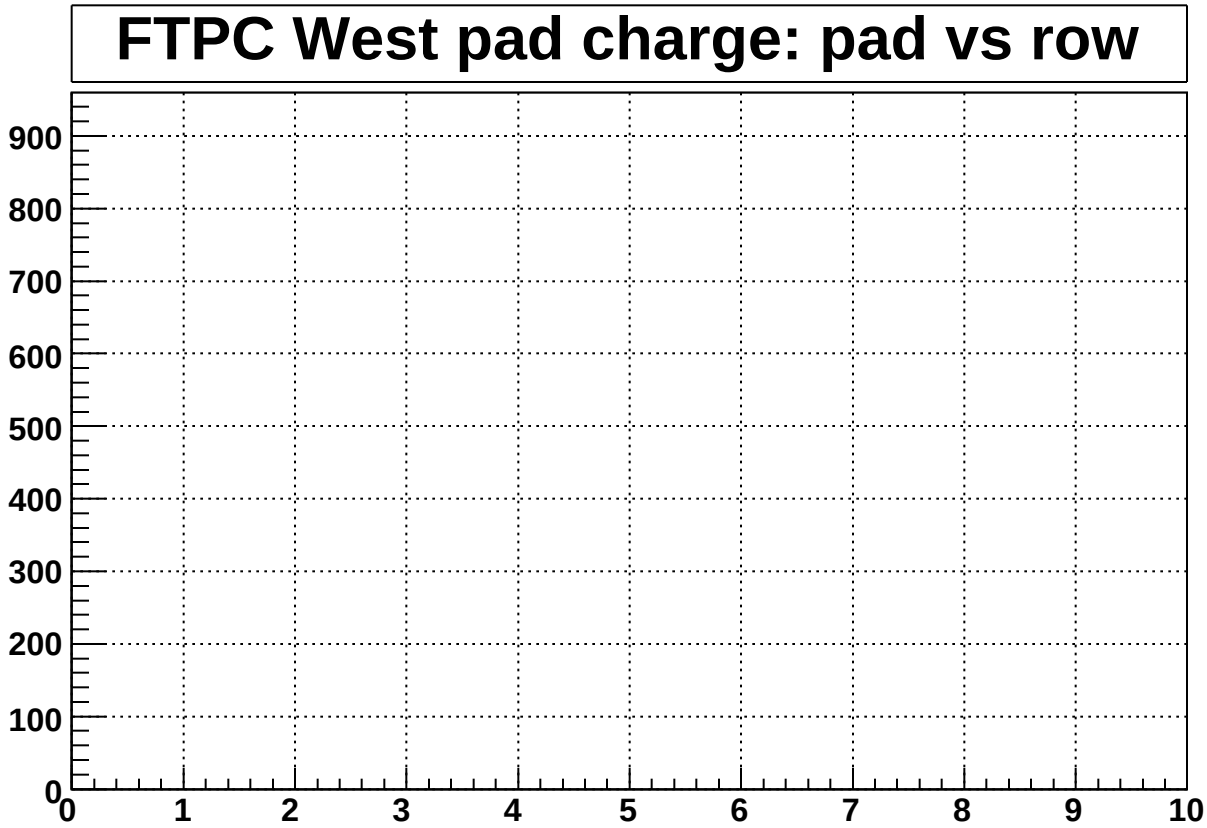

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

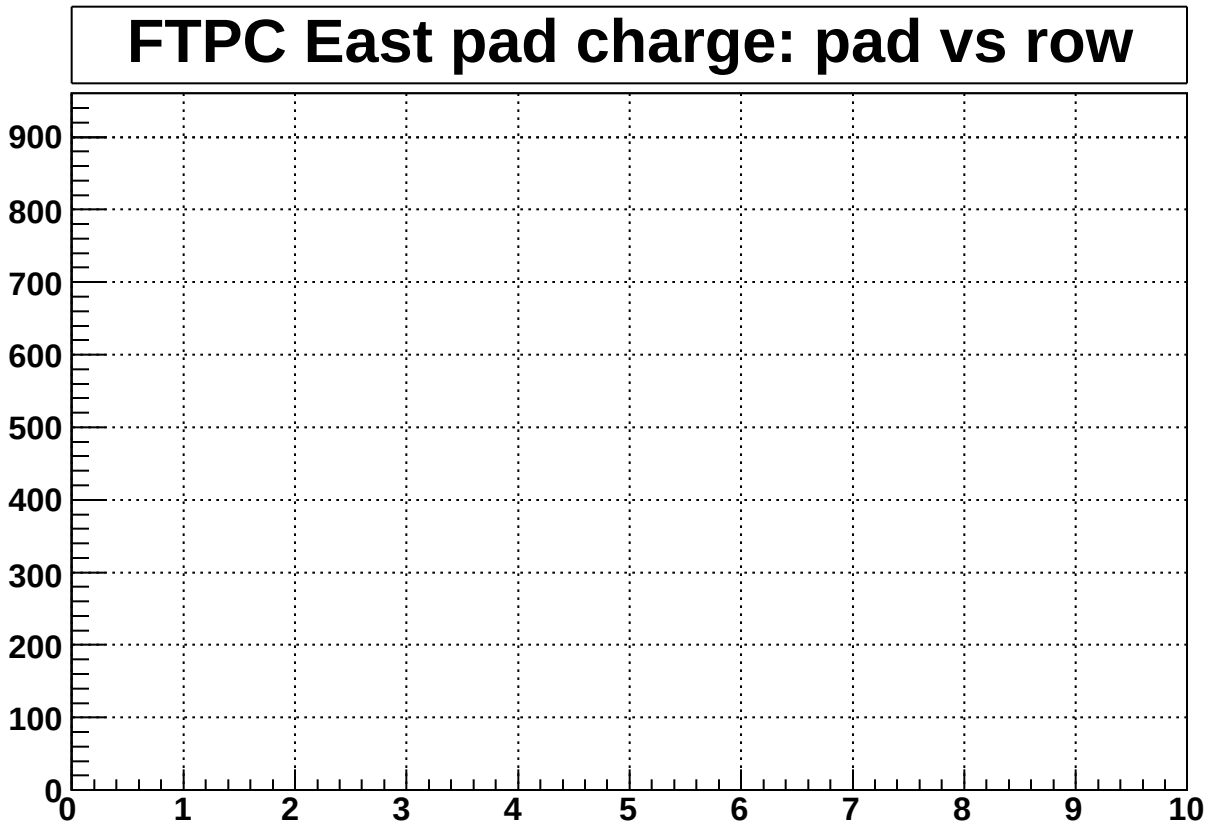

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

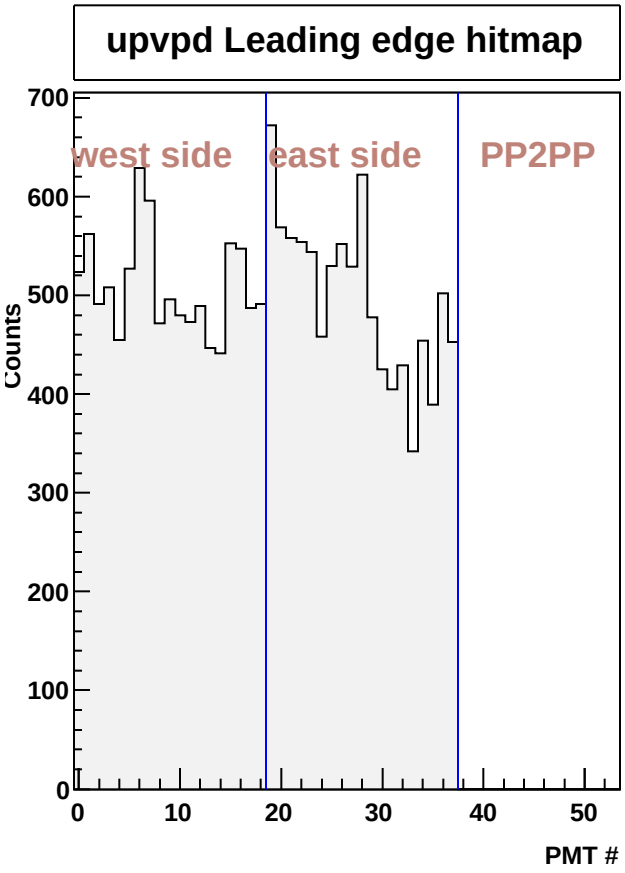

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

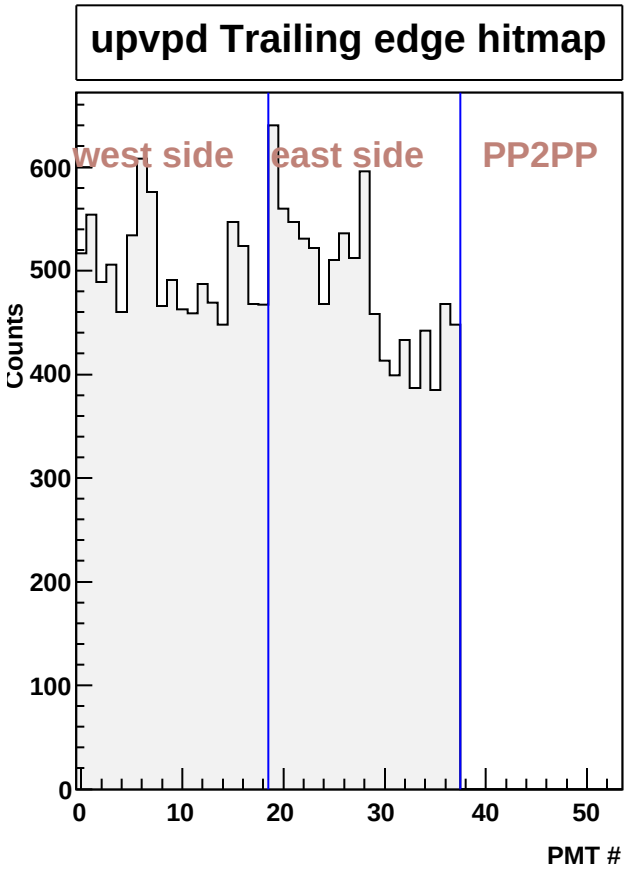

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

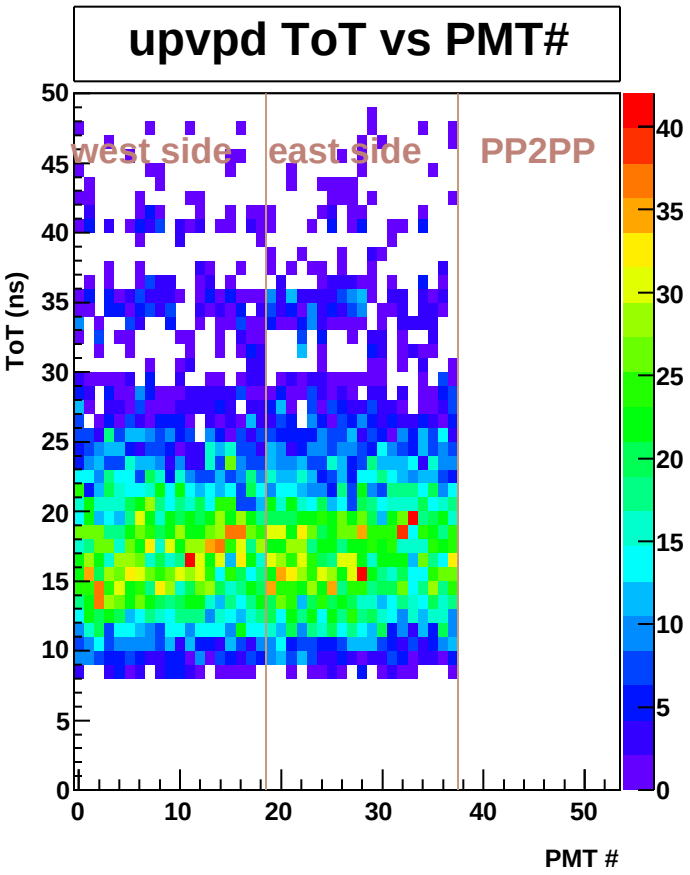

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

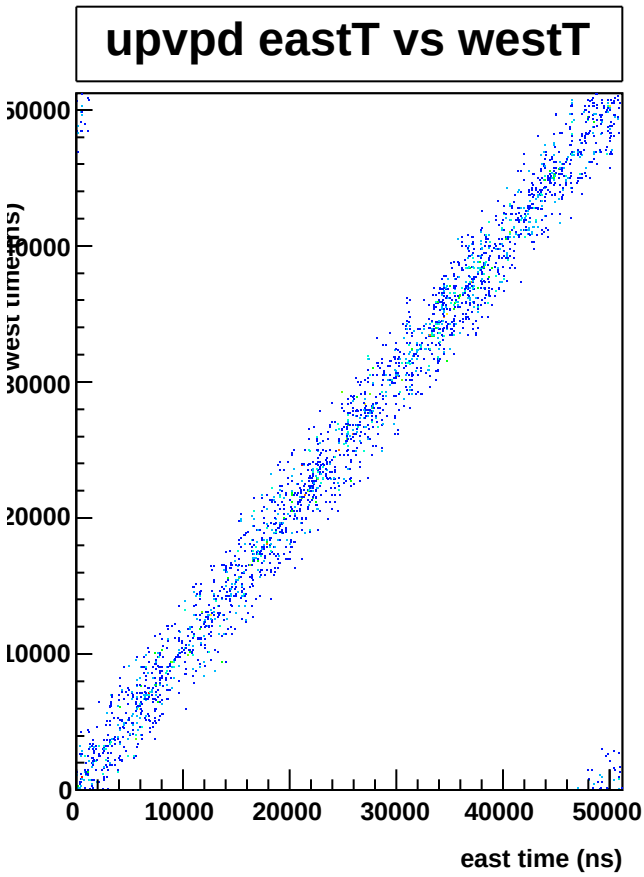

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

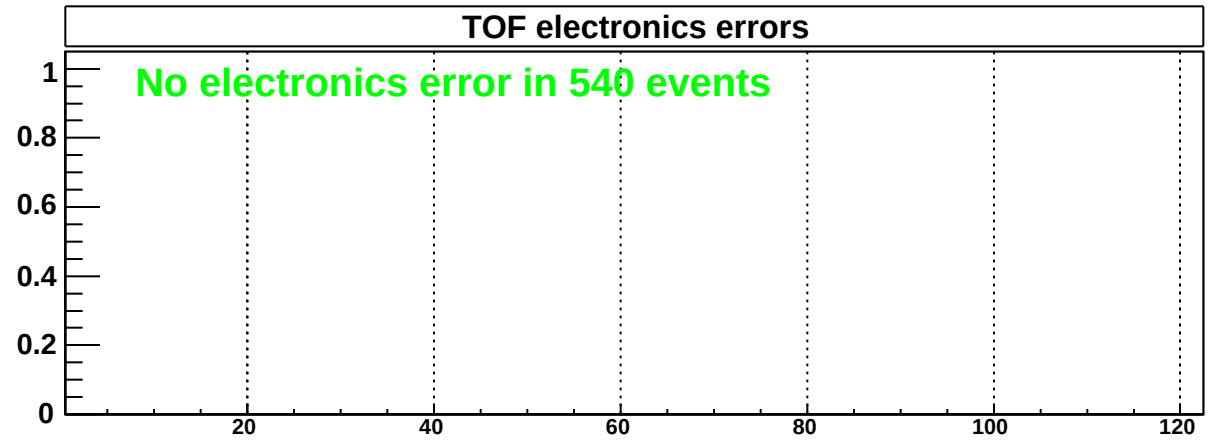

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

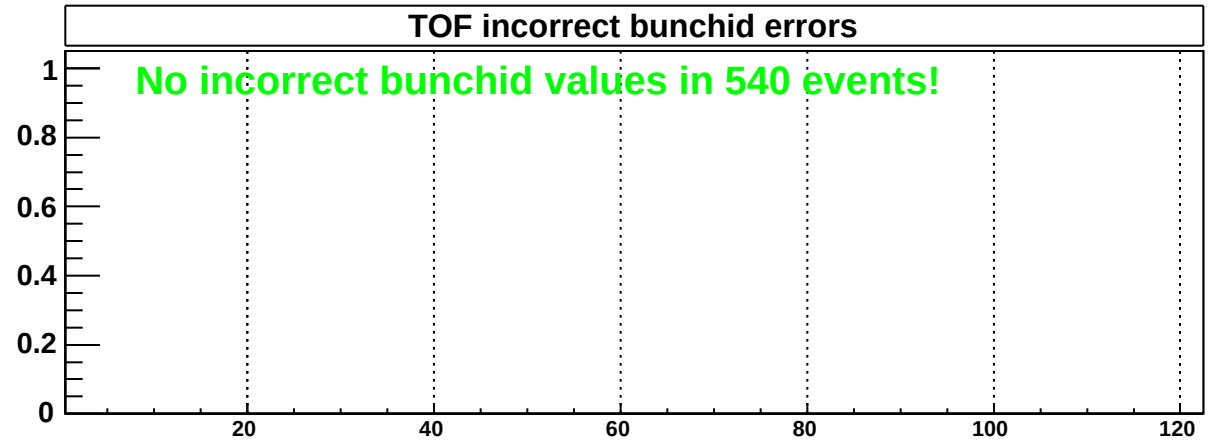

upvpd Leading edge hitmap
west side
east side
PP2PP
Counts
PMT #

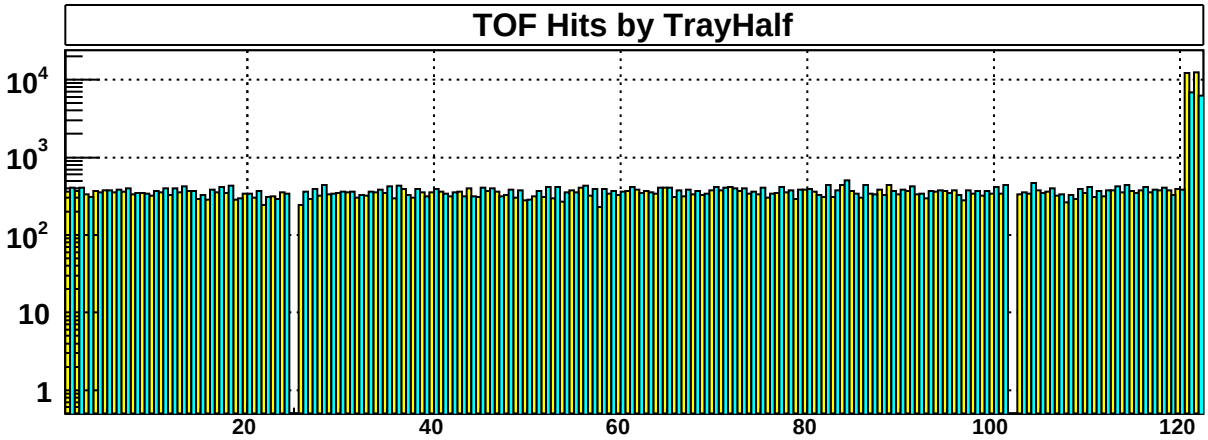

upvpd Trailing edge hitmap
west side
east side
PP2PP
Counts
PMT #

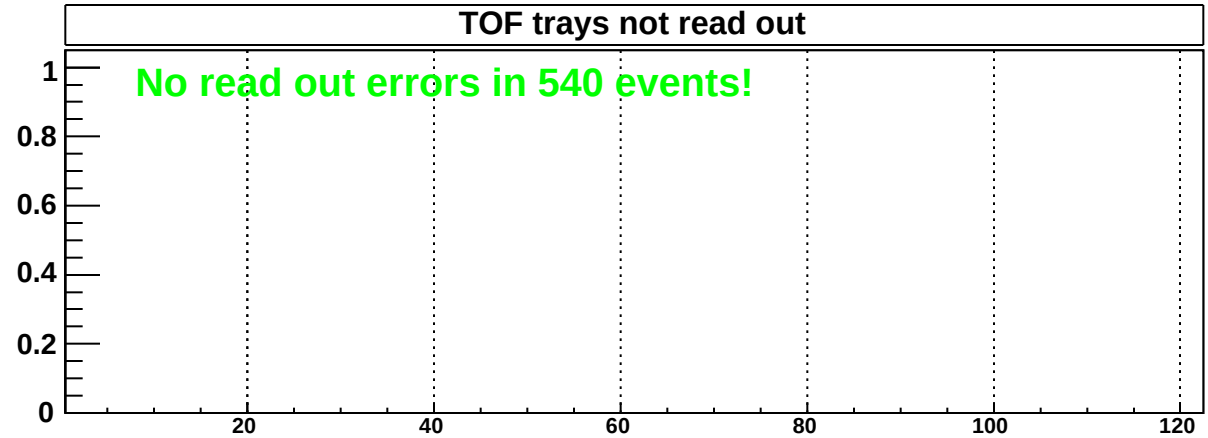

upvpd ToT vs PMT#
west side
east side
PP2PP
ToT (ns)
PMT #

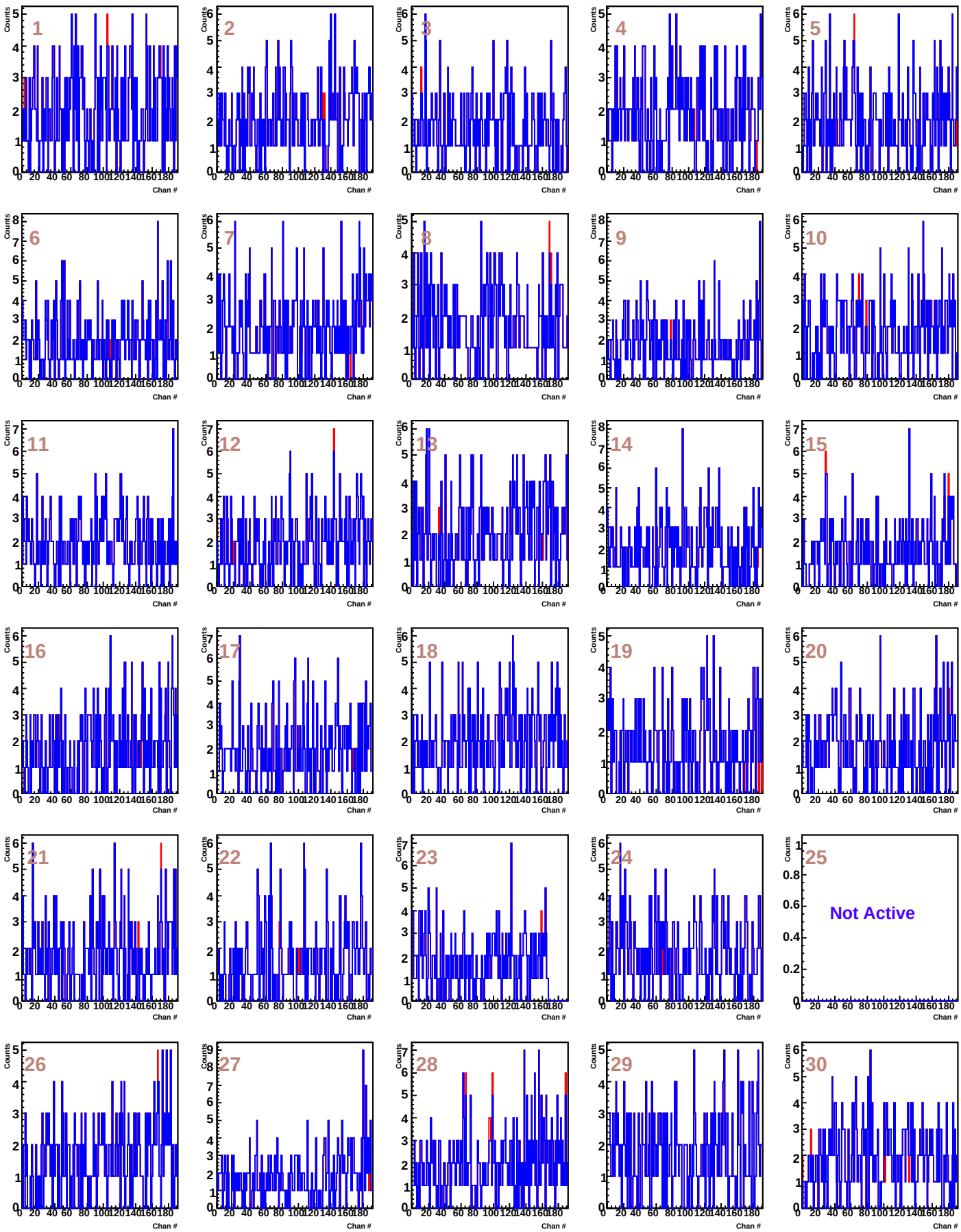

upvpd eastT vs westT
east time (ns)


TOF electronics errors
No electronics error in 540 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 540 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


TOF Hits by TrayHalf
$10^4$
$10^3$
$10^2$
10
1
20
40
60
80
100
120


TOF trays not read out
No read out errors in 540 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120


1
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3
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7
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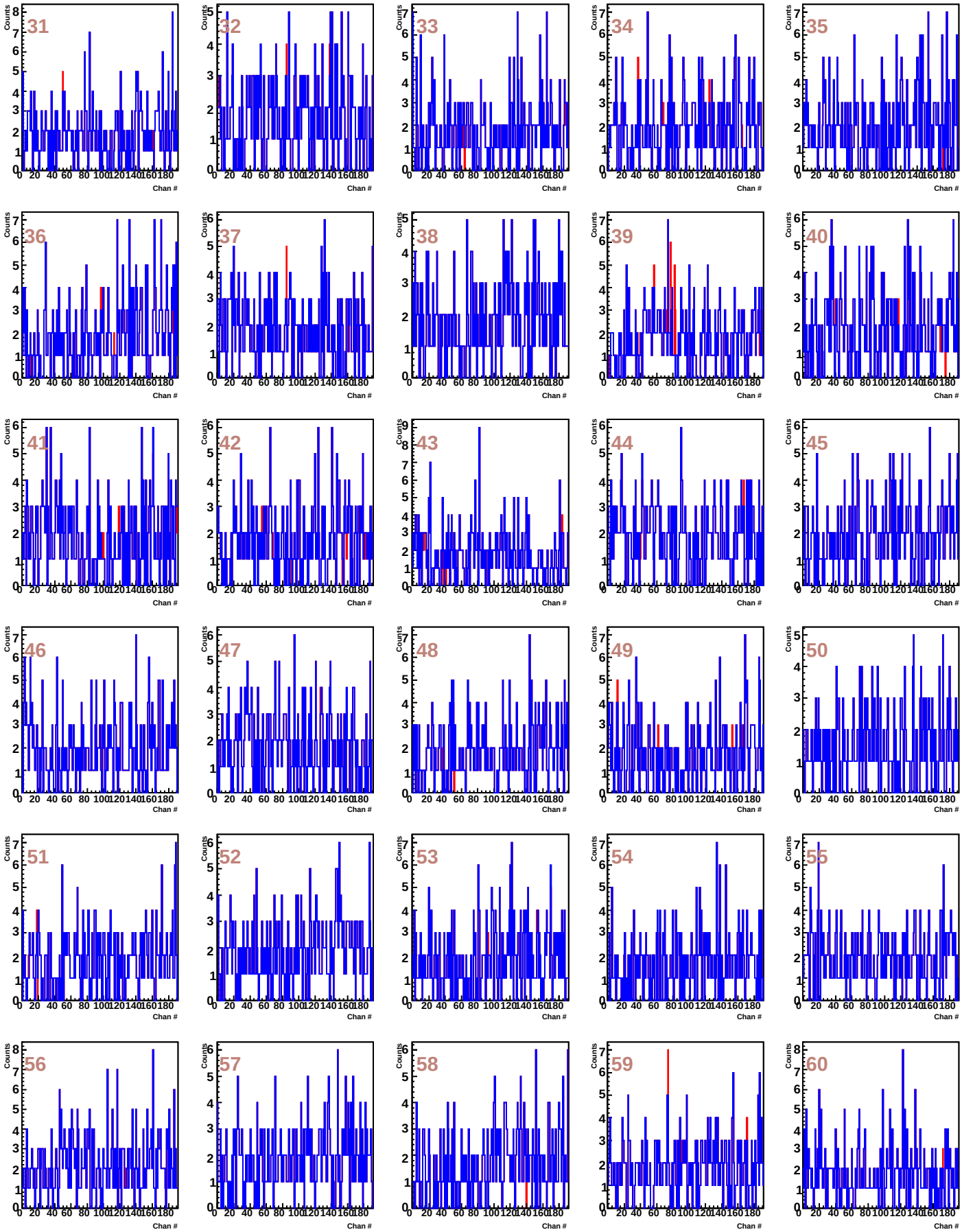
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #


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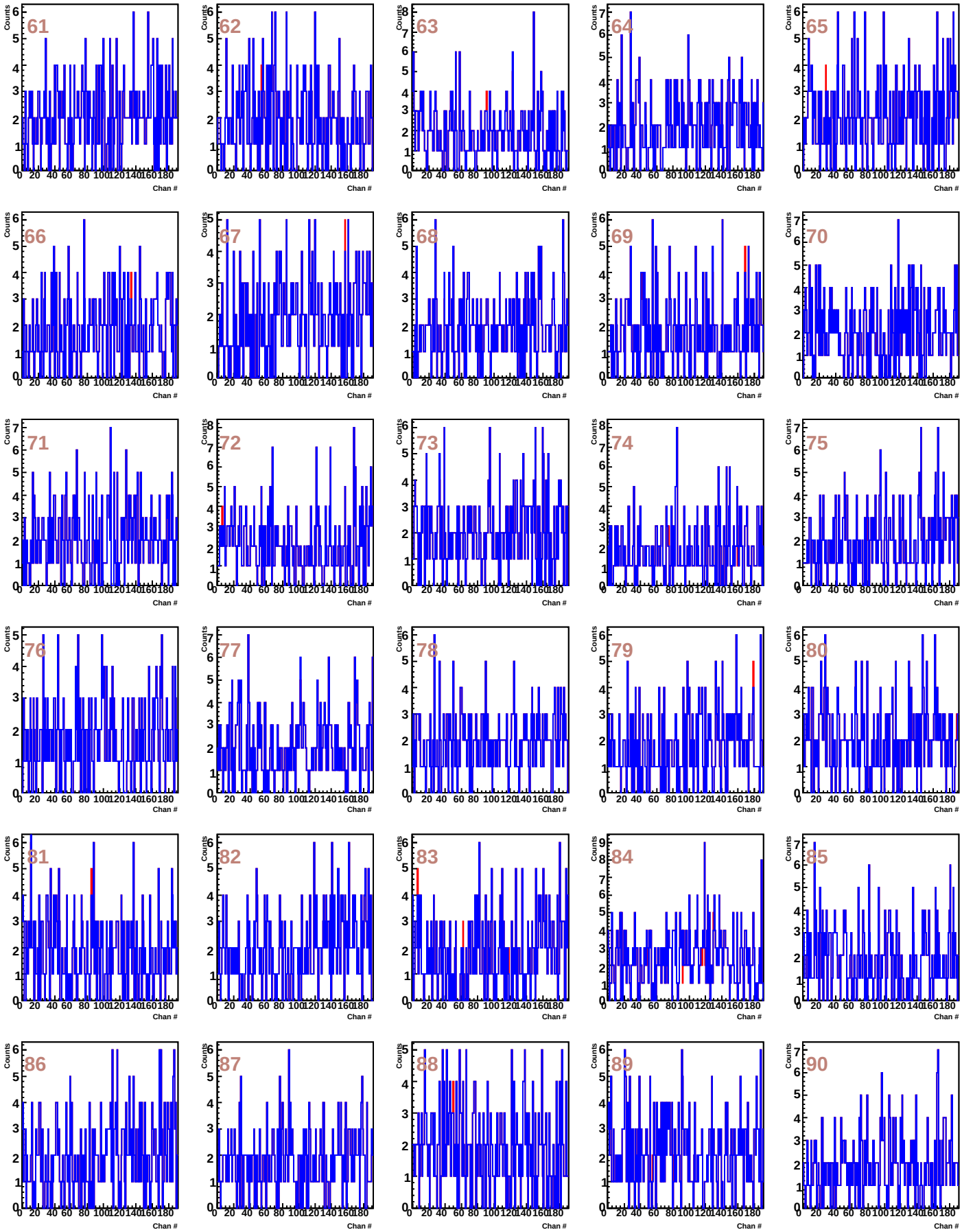
53
54
55
56
57
58
59
60
Counts
Chan #


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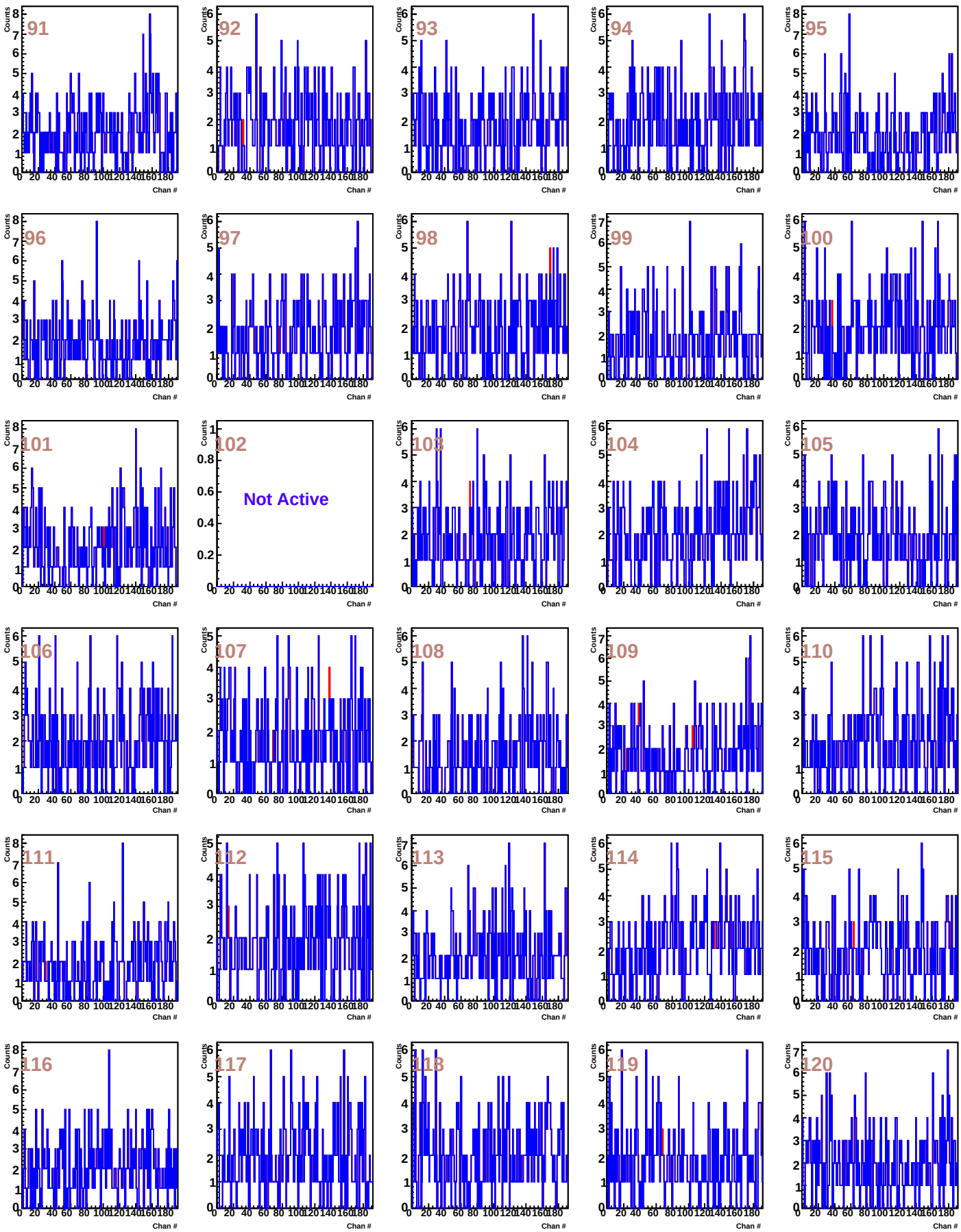
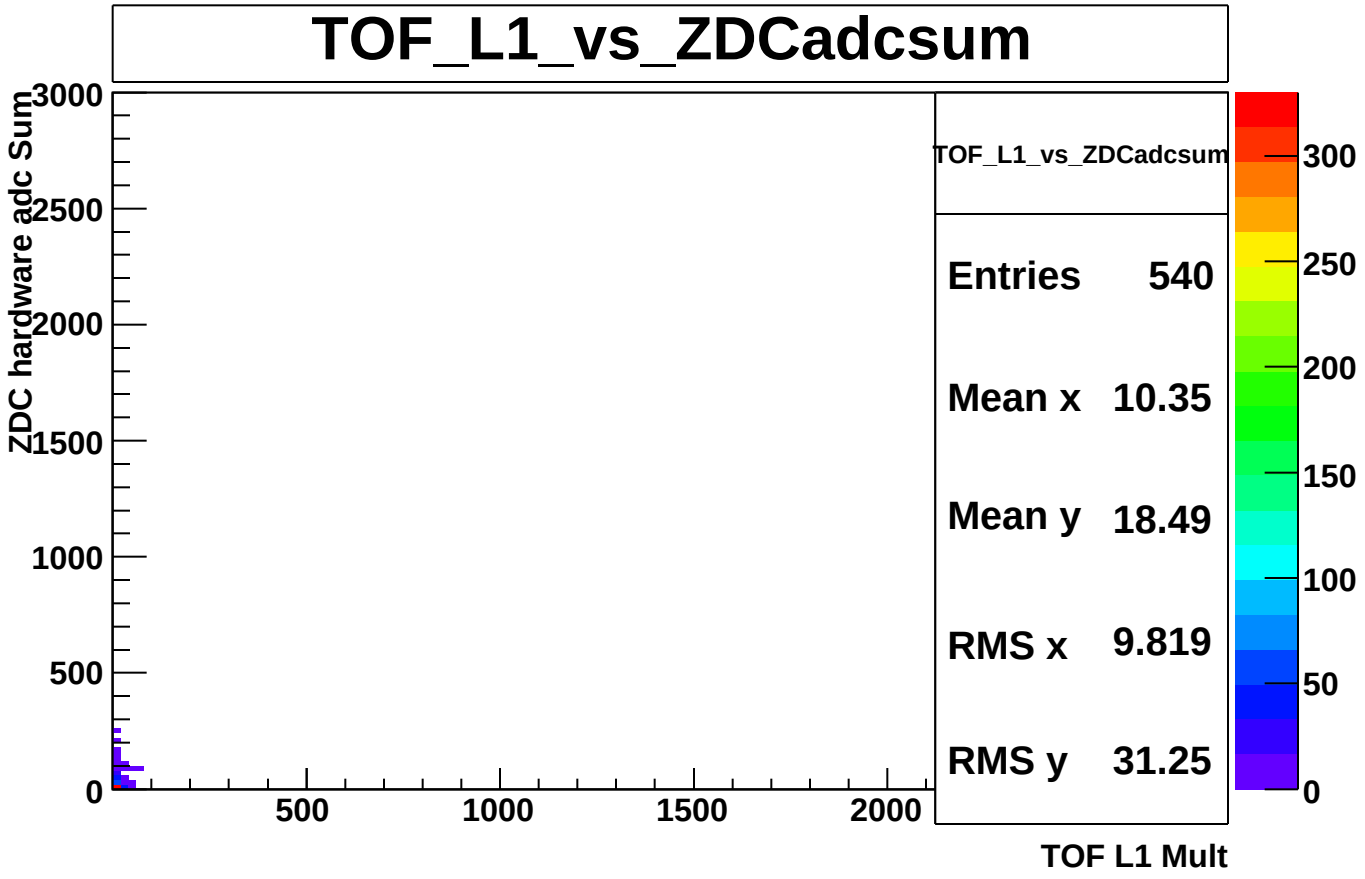
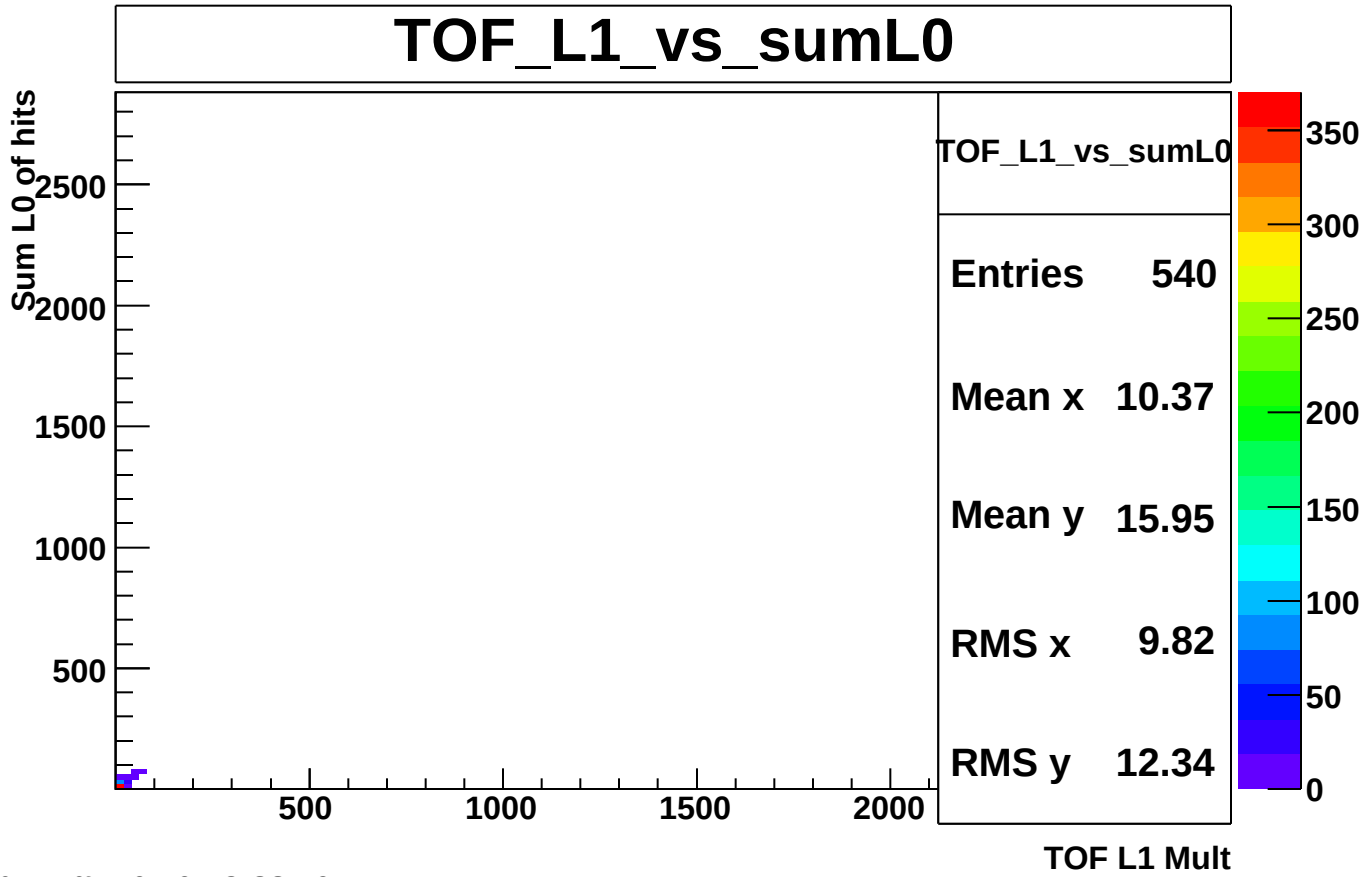
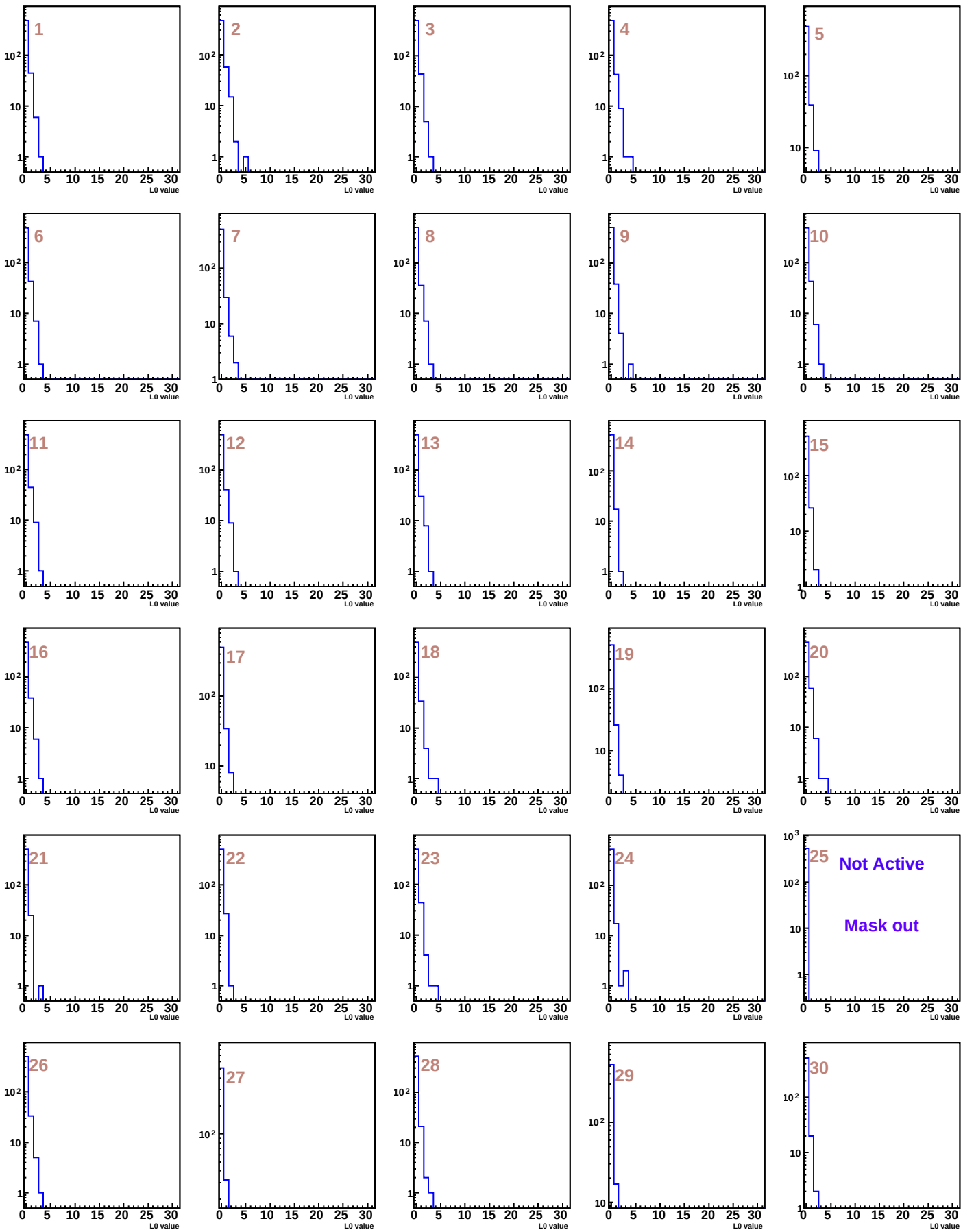
80
81
82
83
84
85
86
87
88
89
90
Counts
Chan #


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 540
Mean x 10.35
Mean y 18.49
RMS x 9.819
RMS y 31.25


TOF_L1_vs_sumL0
Sum L0 of hits
TOF L1 Mult
TOF_L1_vs_sumL0
Entries 540
Mean x 10.37
Mean y 15.95
RMS x 9.82
RMS y 12.34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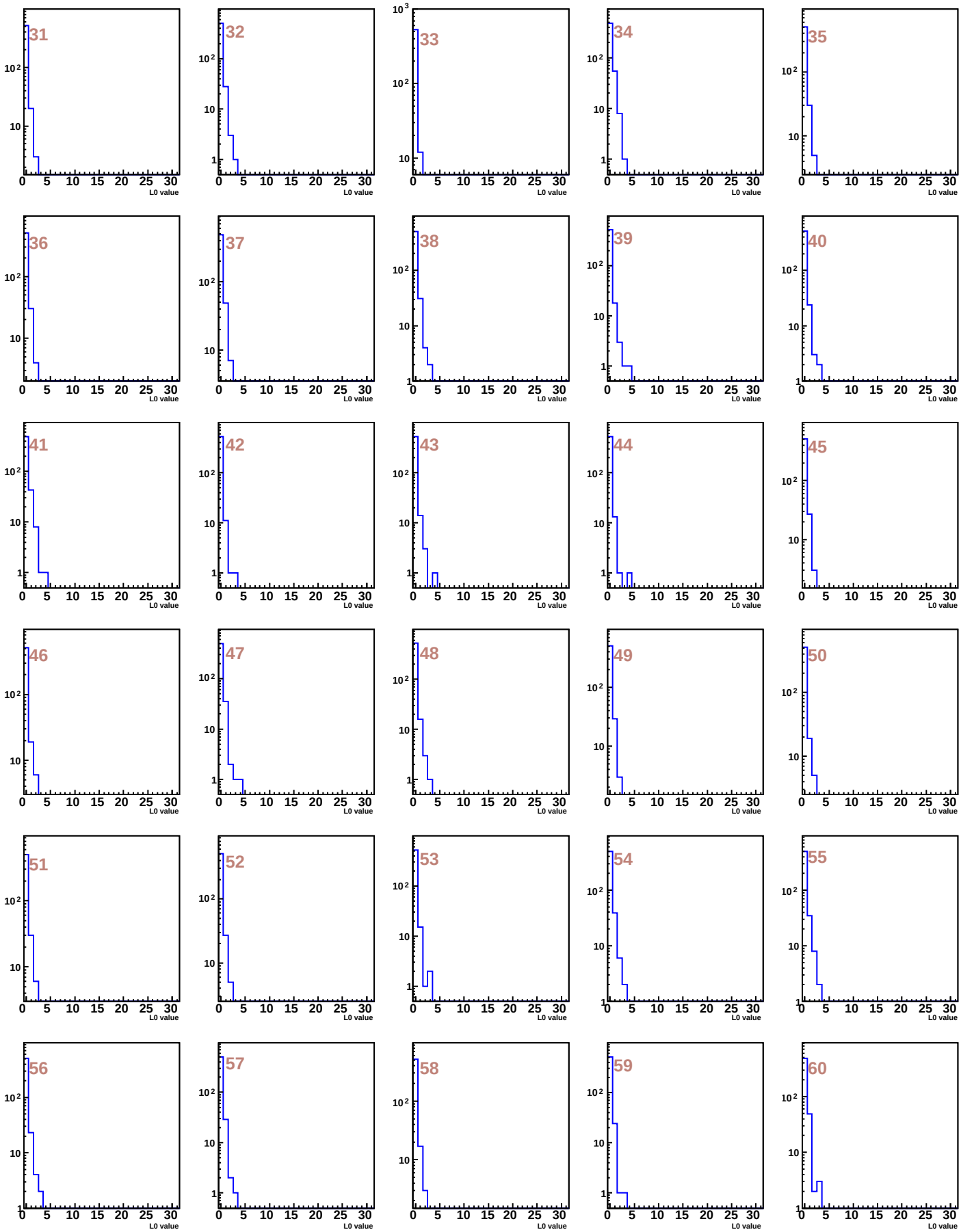
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value


31
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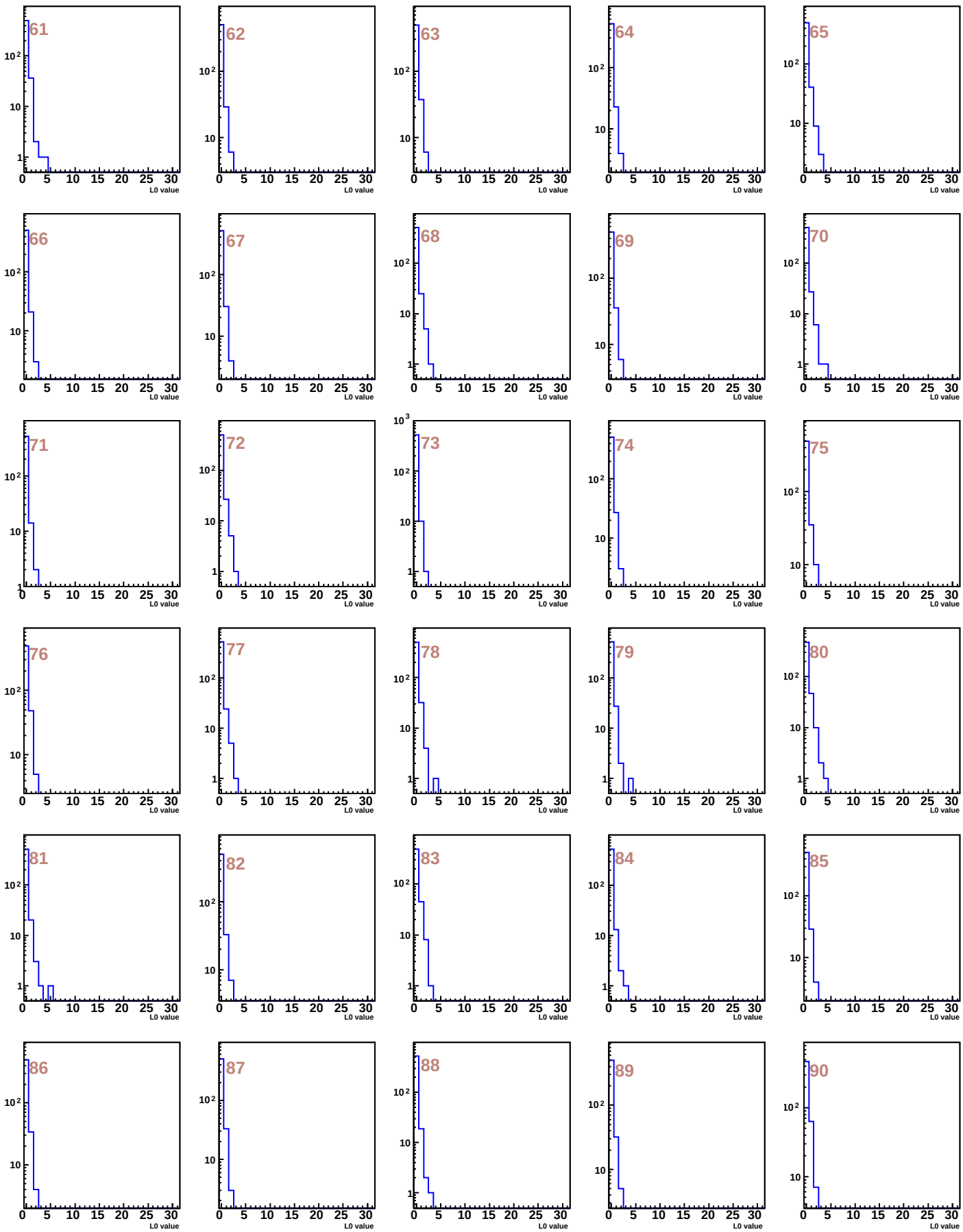
49
50
51
52
53
54
55
56
57
58
59
60
L0 value


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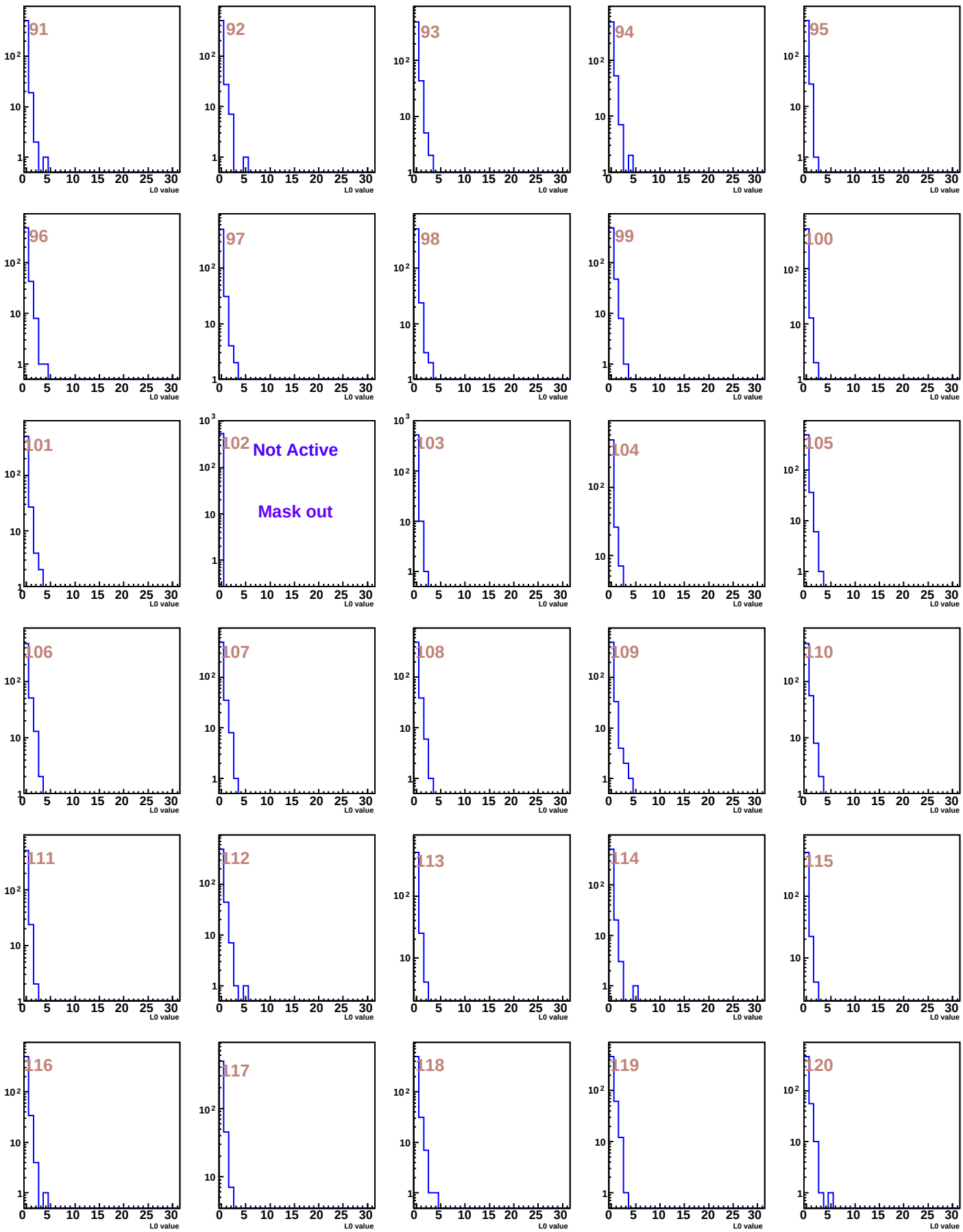
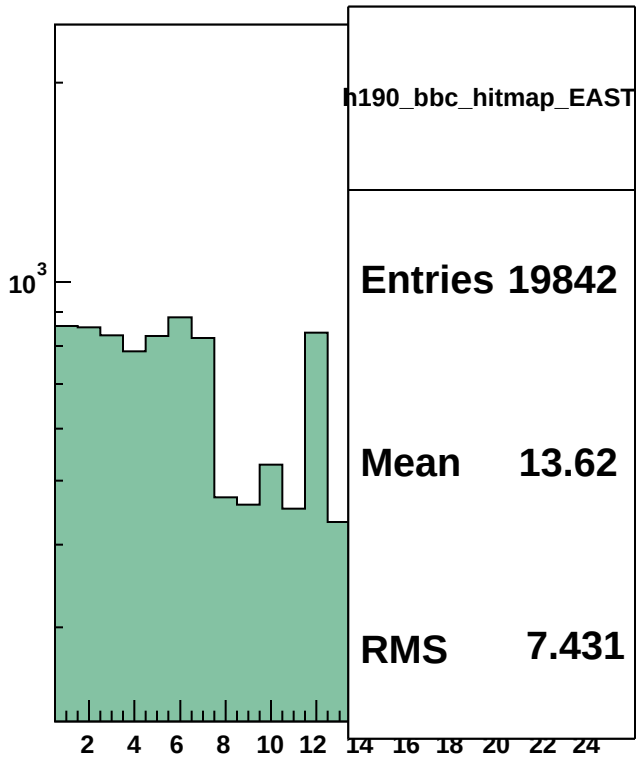
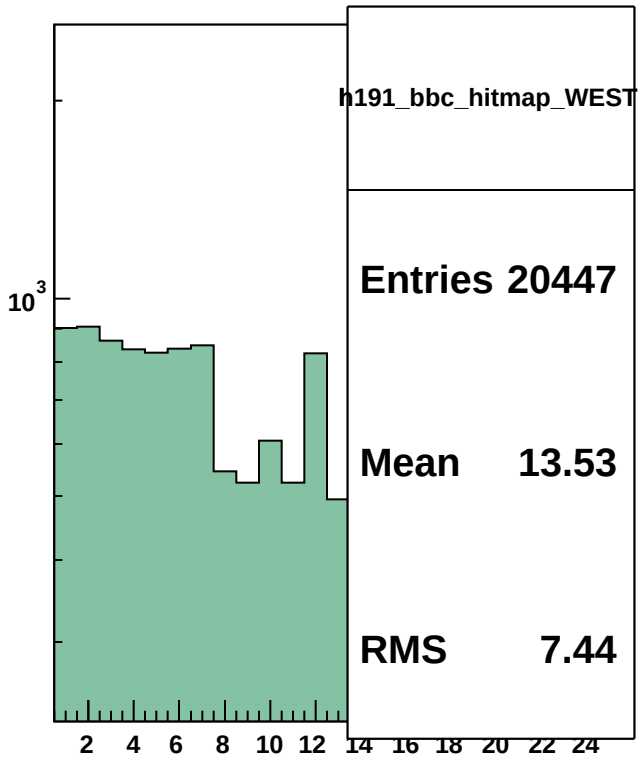
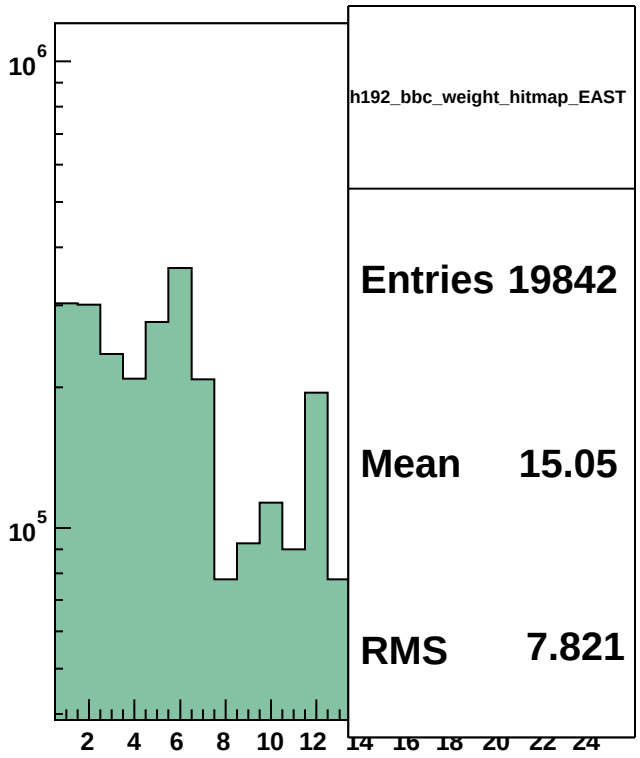
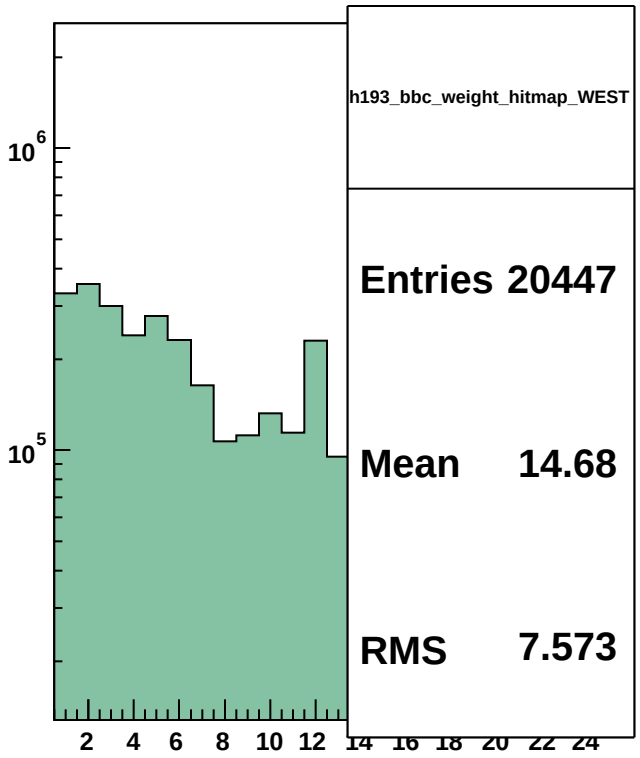
79
80
81
82
83
84
85
86
87
88
89
90
L0 value

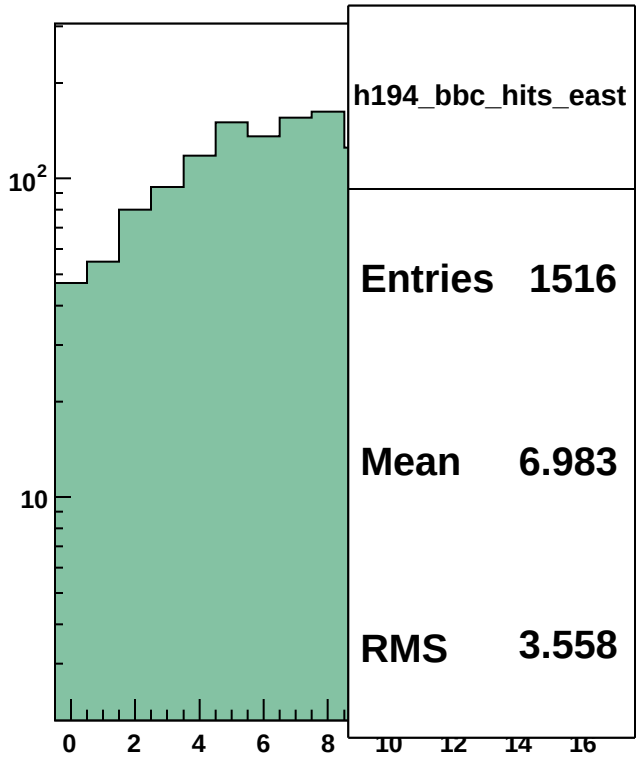

91
92
93
94
95
96
97
98
99
100
101
102
Not Active
Mask out
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

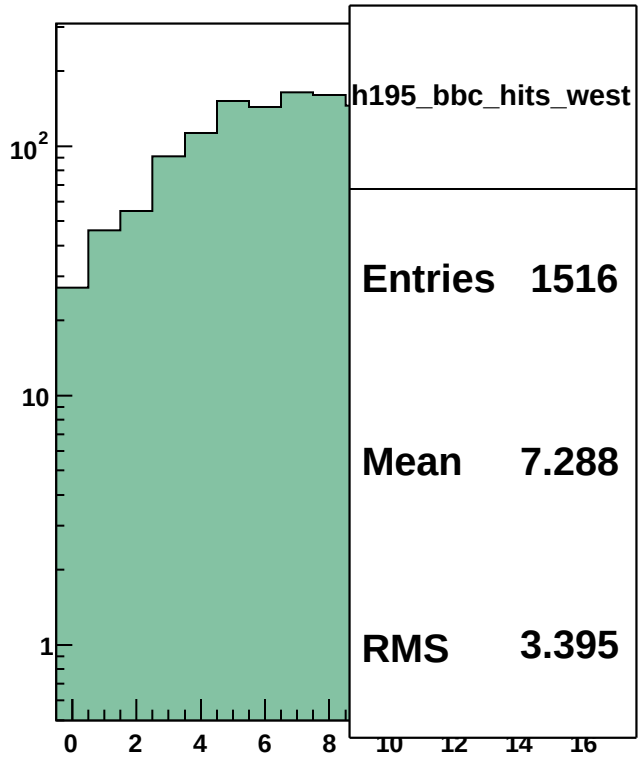

h190_bbc_hitmap_EAST
Entries 19842
Mean 13.62
RMS 7.431
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

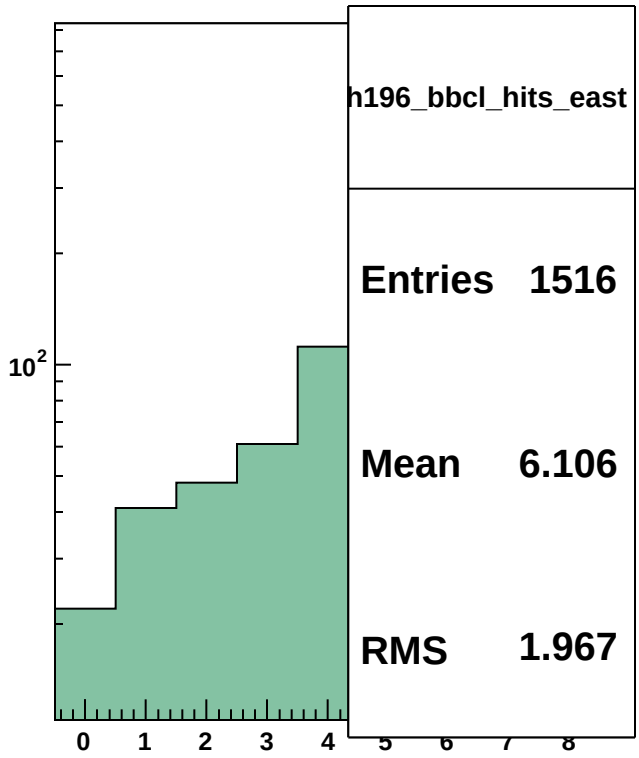

h191_bbc_hitmap_WEST
Entries 20447
Mean 13.53
RMS 7.44
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

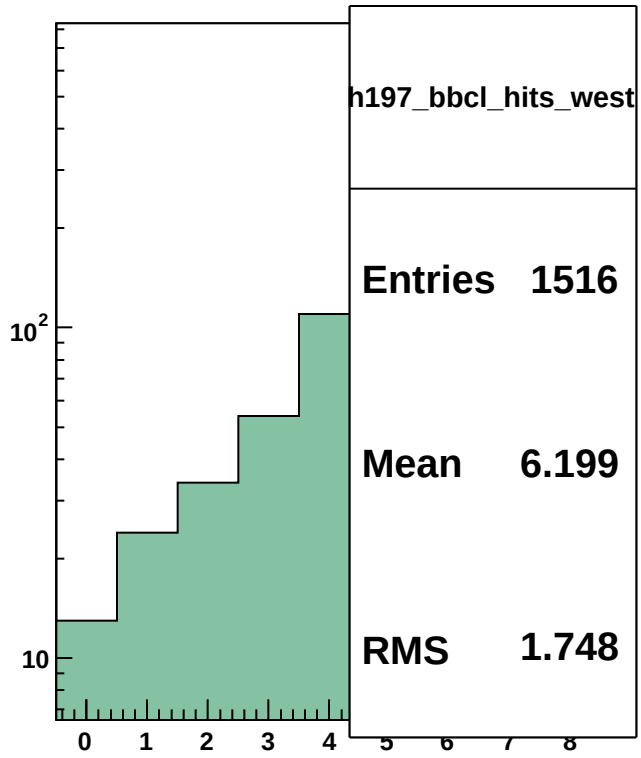

h192_bbc_weight_hitmap_EAST
Entries 19842
Mean 15.05
RMS 7.821
$10^6$
$10^5$
2 4 6 8 10 12 14 16 18 20 22 24

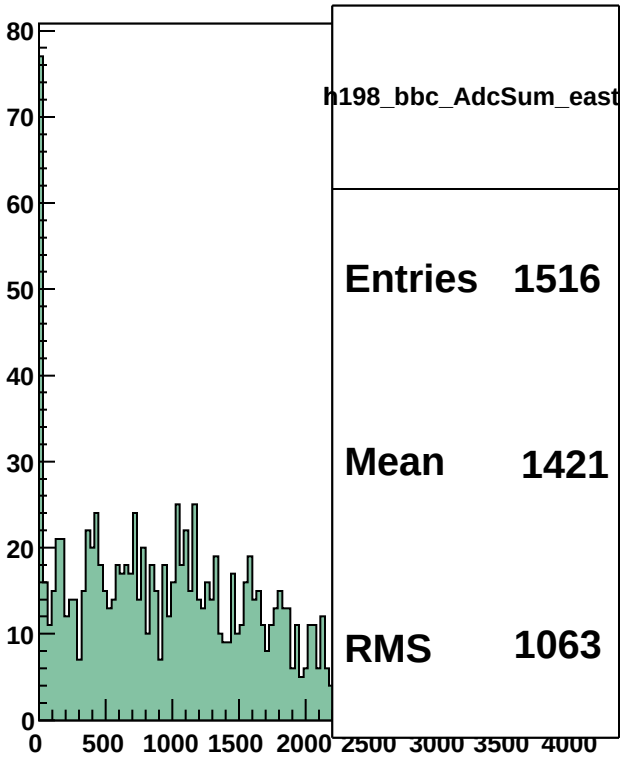

h193_bbc_weight_hitmap_WEST
Entries 20447
Mean 14.68
RMS 7.573
$10^6$
$10^5$
2 4 6 8 10 12 14 16 18 20 22 24

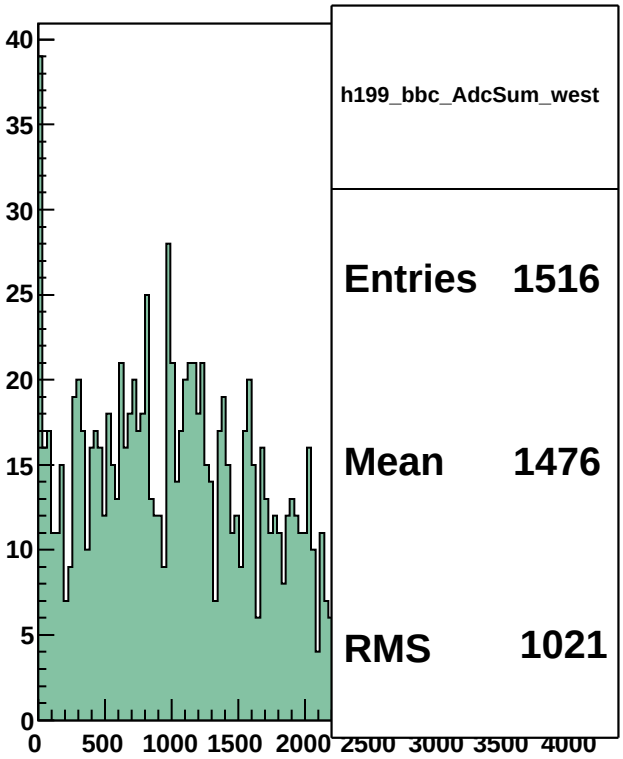

h194_bbc_hits_east
Entries 1516
Mean 6.983
RMS 3.558
$10^2$
10
0 2 4 6 8 10 12 14 16

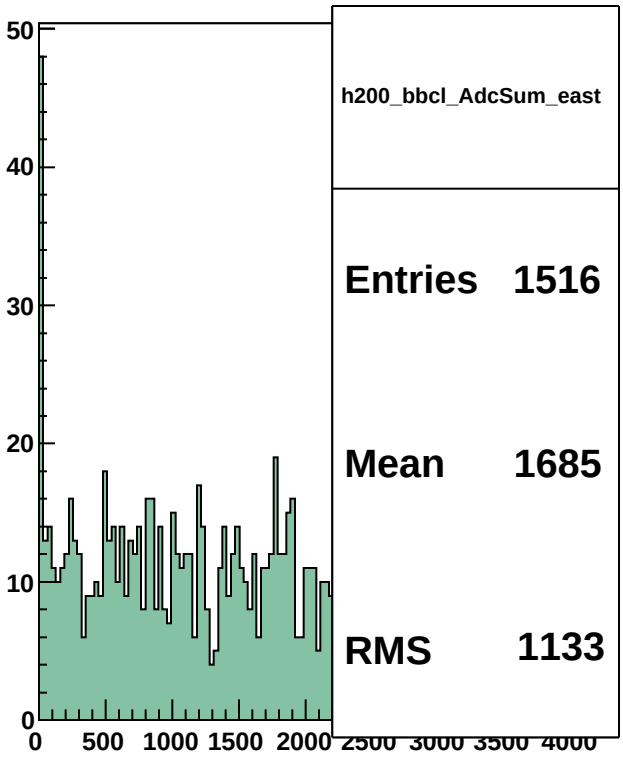

h195_bbc_hits_west
Entries 1516
Mean 7.288
RMS 3.395
$10^2$
10
1
0 2 4 6 8 10 12 14 16

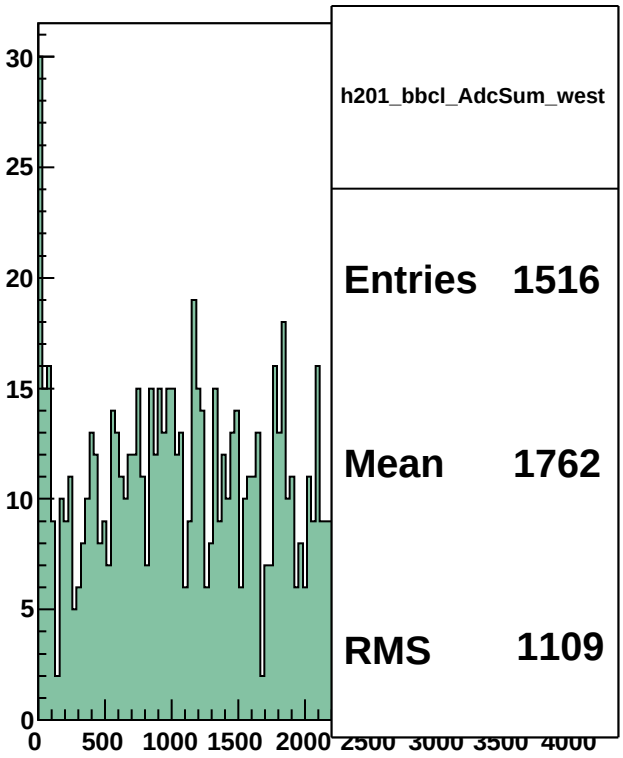

h196_bbcl_hits_east
Entries 1516
Mean 6.106
RMS 1.967
$10^2$
0 1 2 3 4 5 6 7 8

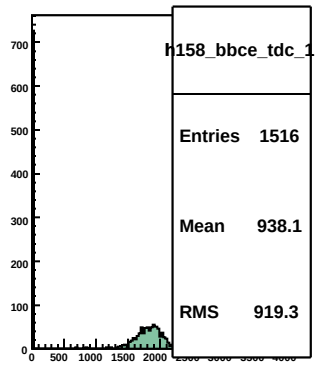

h197_bbcl_hits_west
Entries 1516
Mean 6.199
RMS 1.748
$10^2$
10
0 1 2 3 4 5 6 7 8

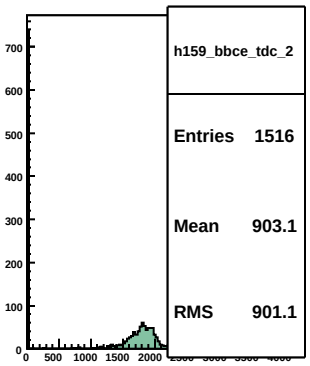

h198_bbc_AdcSum_east
Entries 1516
Mean 1421
RMS 1063

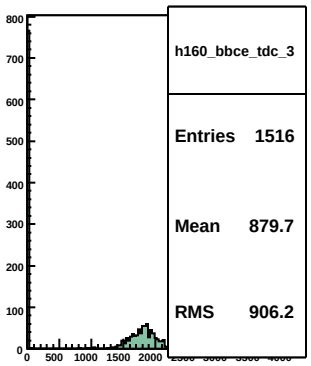

h199_bbc_AdcSum_west
Entries 1516
Mean 1476
RMS 1021

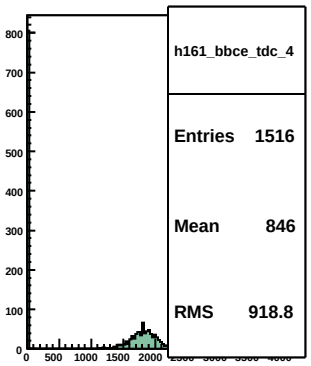

h200_bbcl_AdcSum_east
Entries 1516
Mean 1685
RMS 1133

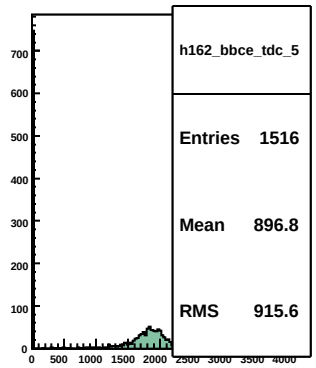

h201_bbcl_AdcSum_west
Entries 1516
Mean 1762
RMS 1109

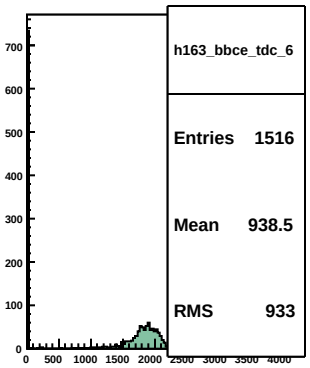

h158_bbce_tdc_1
Entries 1516
Mean 938.1
RMS 919.3

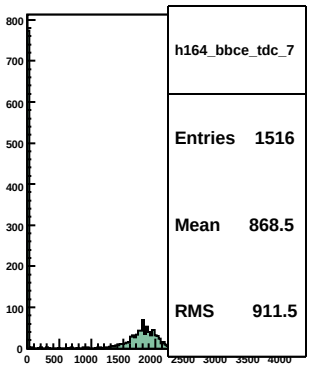

h159_bbce_tdc_2
Entries 1516
Mean 903.1
RMS 901.1

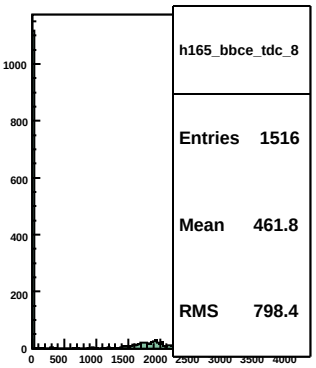

h160_bbce_tdc_3
Entries 1516
Mean 879.7
RMS 906.2

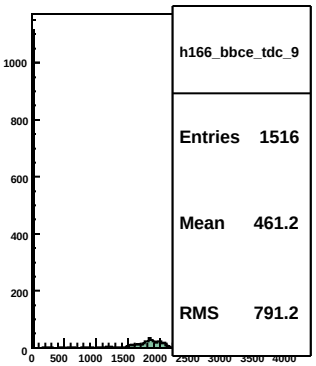

h161_bbce_tdc_4
Entries 1516
Mean 846
RMS 918.8

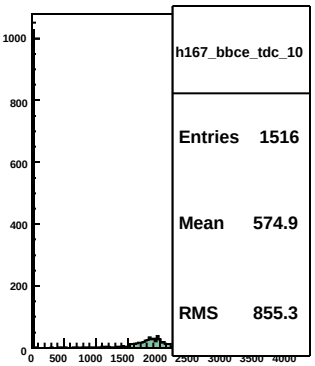

h162_bbce_tdc_5
Entries 1516
Mean 896.8
RMS 915.6

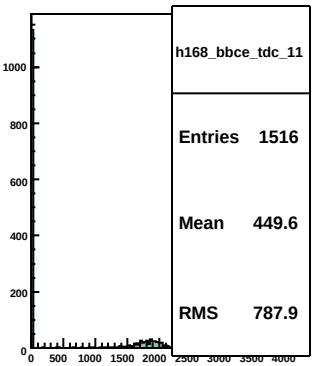

h163_bbce_tdc_6
Entries 1516
Mean 938.5
RMS 933

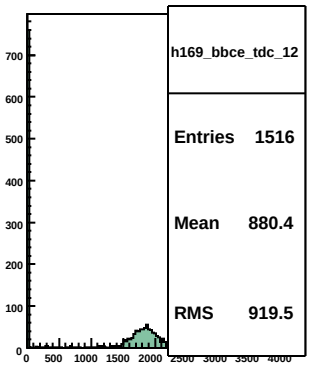

h164_bbce_tdc_7
Entries 1516
Mean 868.5
RMS 911.5

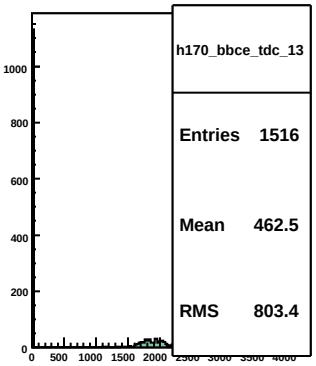

h165_bbce_tdc_8
Entries 1516
Mean 461.8
RMS 798.4

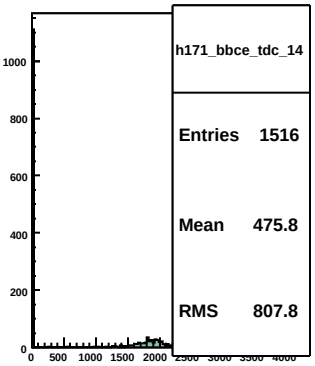

h166_bbce_tdc_9
Entries 1516
Mean 461.2
RMS 791.2

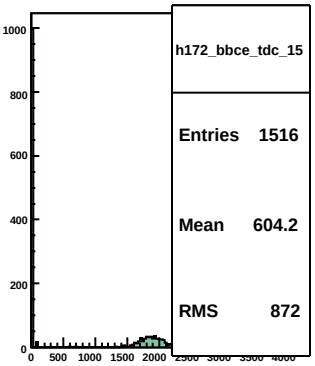

h167_bbce_tdc_10
Entries 1516
Mean 574.9
RMS 855.3

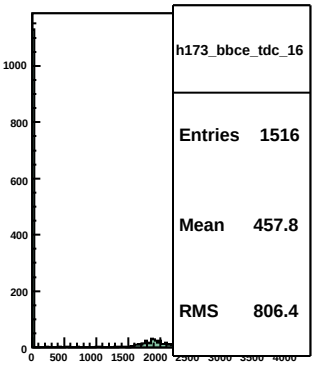

h168_bbce_tdc_11
Entries 1516
Mean 449.6
RMS 787.9

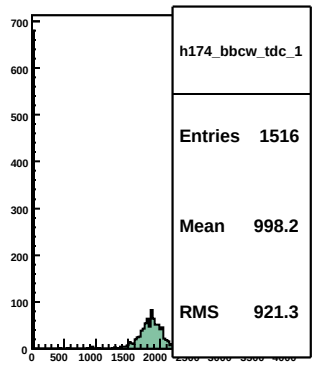

h169_bbce_tdc_12
Entries 1516
Mean 880.4
RMS 919.5

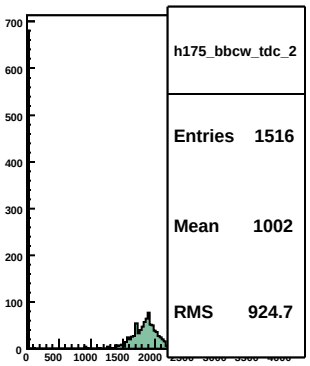

h170_bbce_tdc_13
Entries 1516
Mean 462.5
RMS 803.4

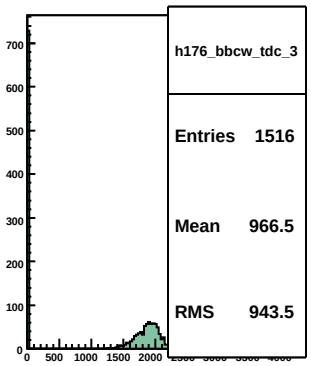

h171_bbce_tdc_14
Entries 1516
Mean 475.8
RMS 807.8

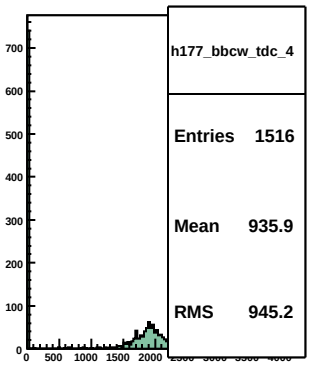

h172_bbce_tdc_15
Entries 1516
Mean 604.2
RMS 872

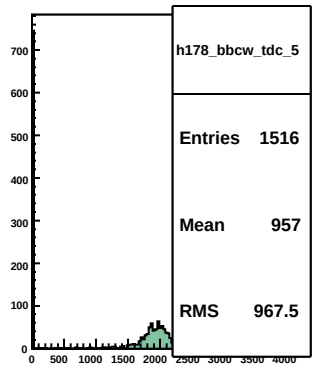

h173_bbce_tdc_16
Entries 1516
Mean 457.8
RMS 806.4

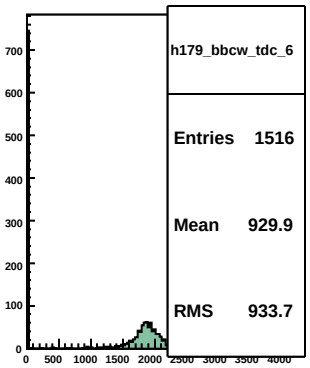

h174_bbcw_tdc_1
Entries 1516
Mean 998.2
RMS 921.3

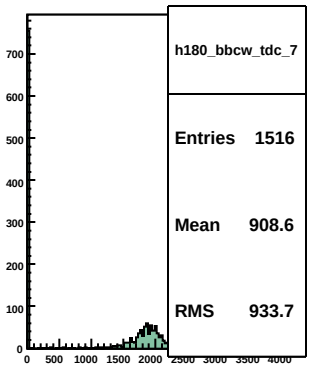

h175_bbcw_tdc_2
Entries 1516
Mean 1002
RMS 924.7

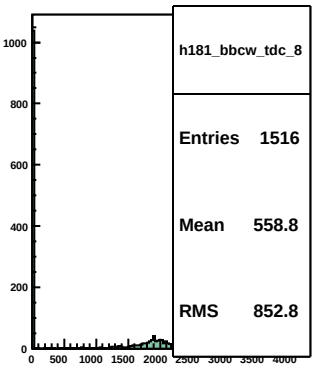

h176_bbcw_tdc_3
Entries 1516
Mean 966.5
RMS 943.5

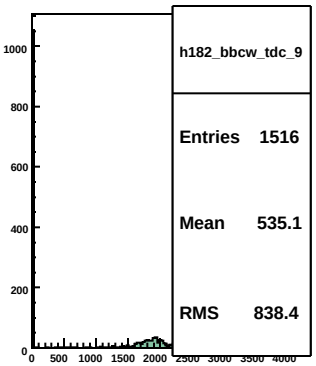

h177_bbcw_tdc_4
Entries 1516
Mean 935.9
RMS 945.2

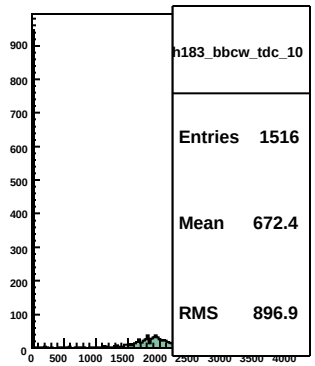

h178_bbcw_tdc_5
Entries 1516
Mean 957
RMS 967.5

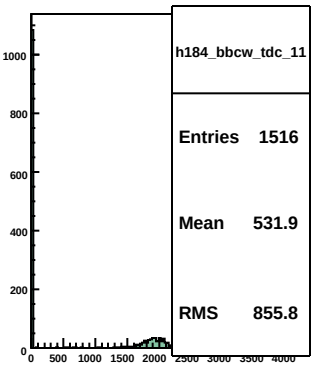

h179_bbcw_tdc_6
Entries 1516
Mean 929.9
RMS 933.7

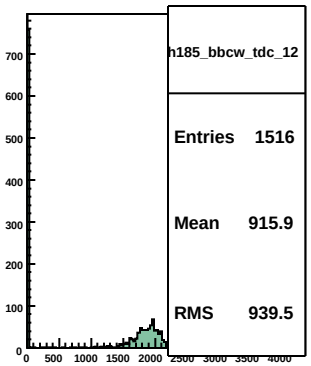

h180_bbcw_tdc_7
Entries 1516
Mean 908.6
RMS 933.7

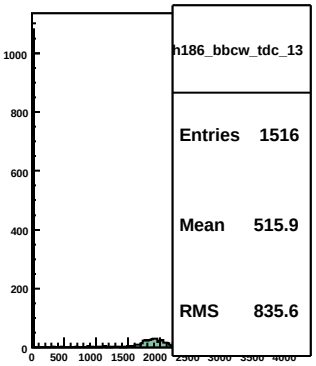

h181_bbcw_tdc_8
Entries 1516
Mean 558.8
RMS 852.8

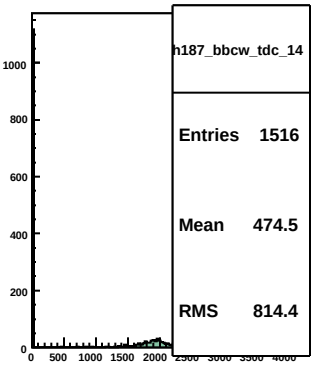

h182_bbcw_tdc_9
Entries 1516
Mean 535.1
RMS 838.4

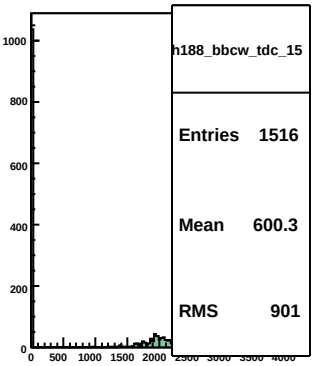

h183_bbcw_tdc_10
Entries 1516
Mean 672.4
RMS 896.9

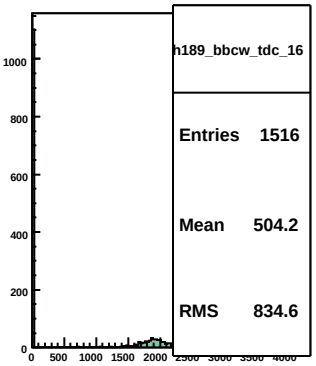

h184_bbcw_tdc_11
Entries 1516
Mean 531.9
RMS 855.8

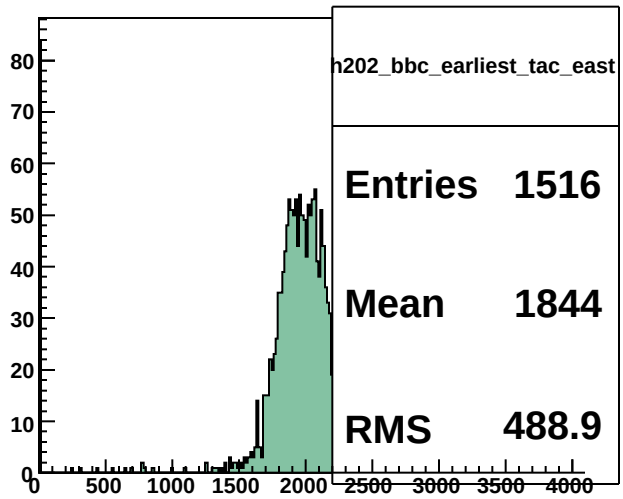

h185_bbcw_tdc_12
Entries 1516
Mean 915.9
RMS 939.5

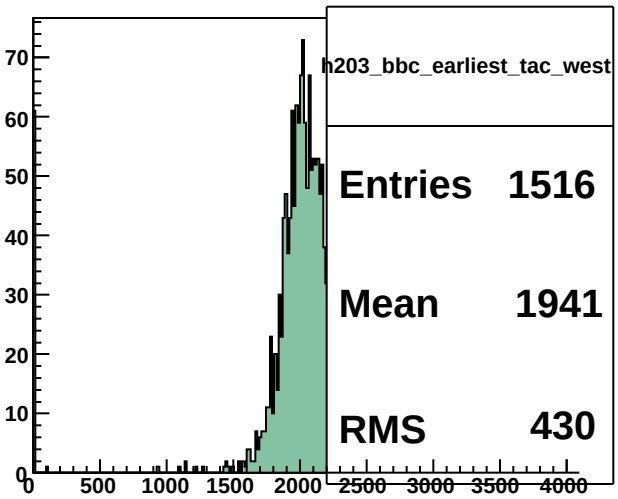

h186_bbcw_tdc_13
Entries 1516
Mean 515.9
RMS 835.6

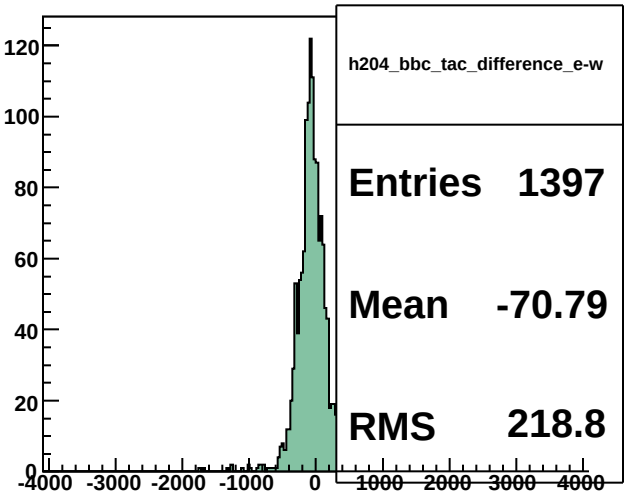

h187_bbcw_tdc_14
Entries 1516
Mean 474.5
RMS 814.4

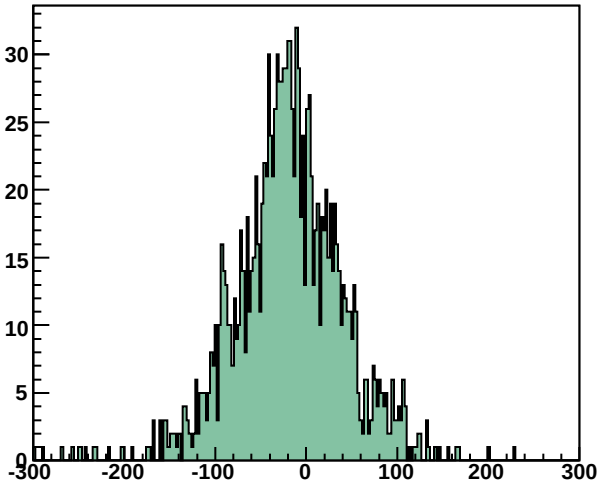

h188_bbcw_tdc_15
Entries 1516
Mean 600.3
RMS 901

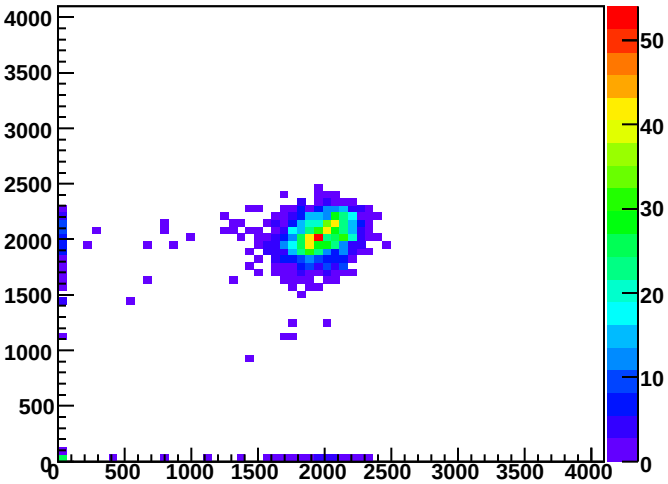

h189_bbcw_tdc_16
Entries 1516
Mean 504.2
RMS 834.6

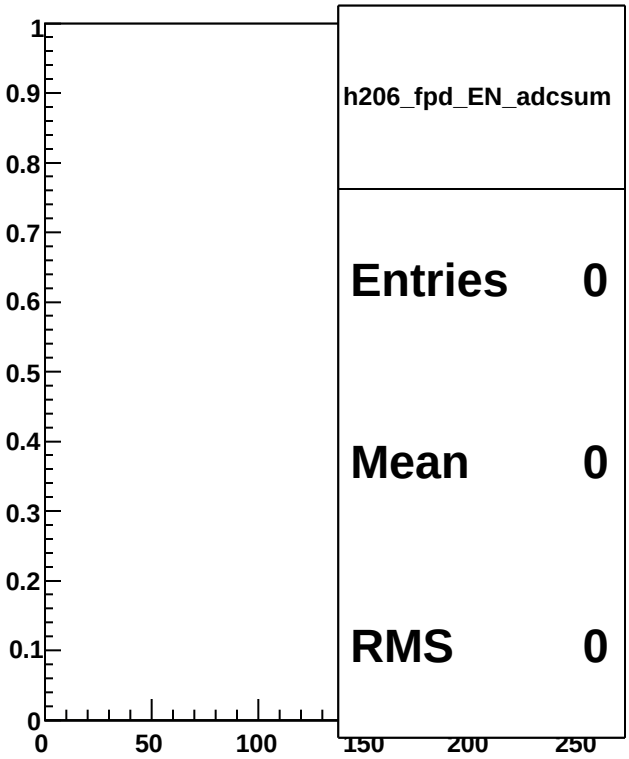

h202_bbc_earliest_tac_east
Entries 1516
Mean 1844
RMS 488.9

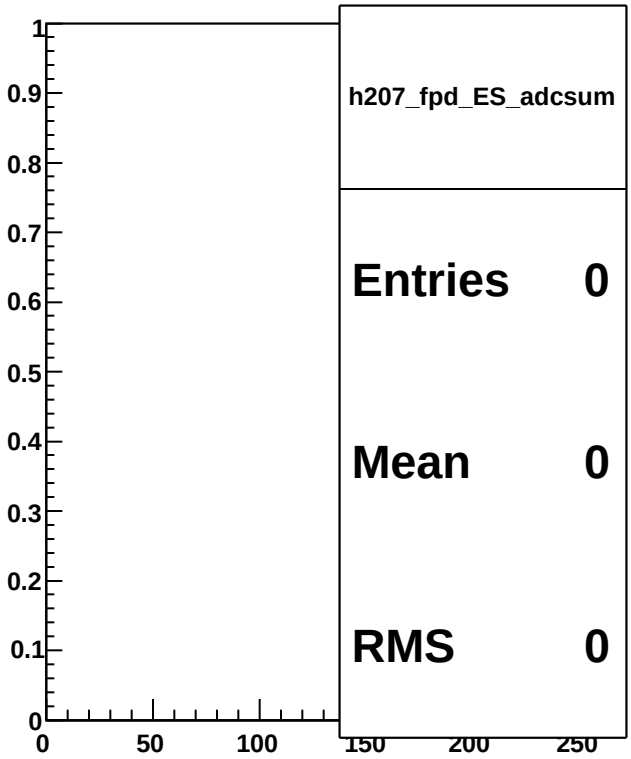

h203_bbc_earliest_tac_west
Entries 1516
Mean 1941
RMS 430


h204_bbc_tac_difference_e-w
Entries 1397
Mean -70.79
RMS 218.8






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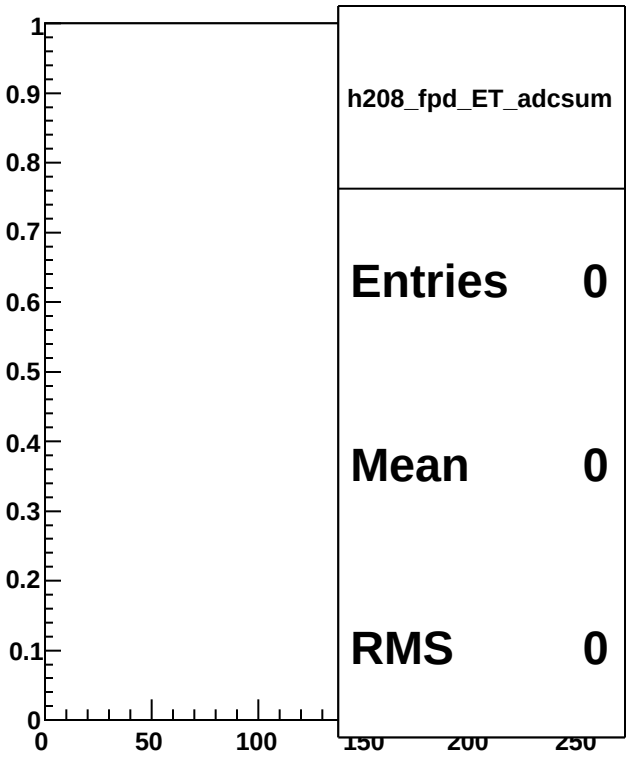
Entries 0
Mean 0
RMS 0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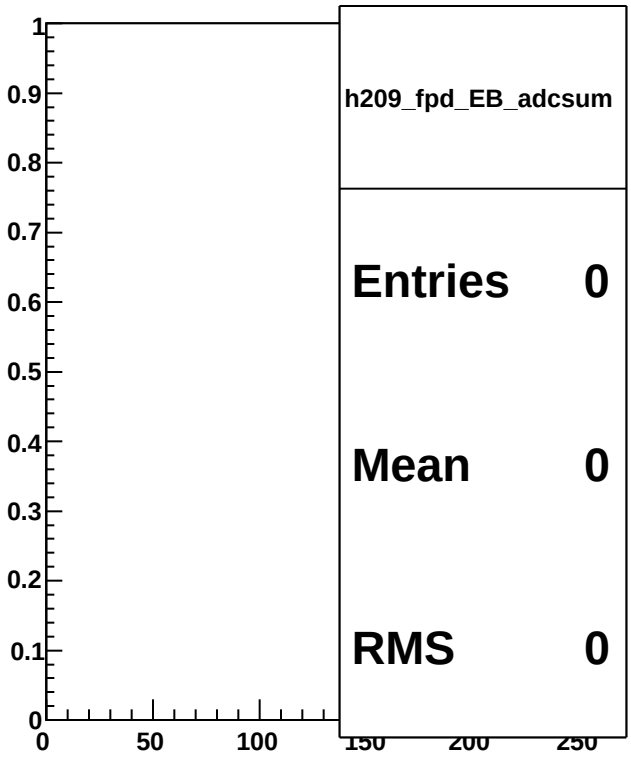
Entries 0
Mean 0
RMS 0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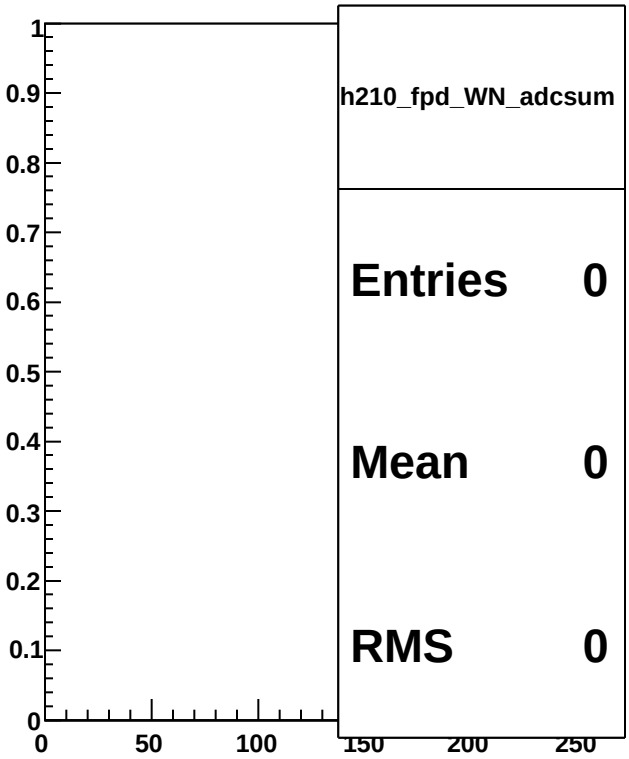
Mean 0
RMS 0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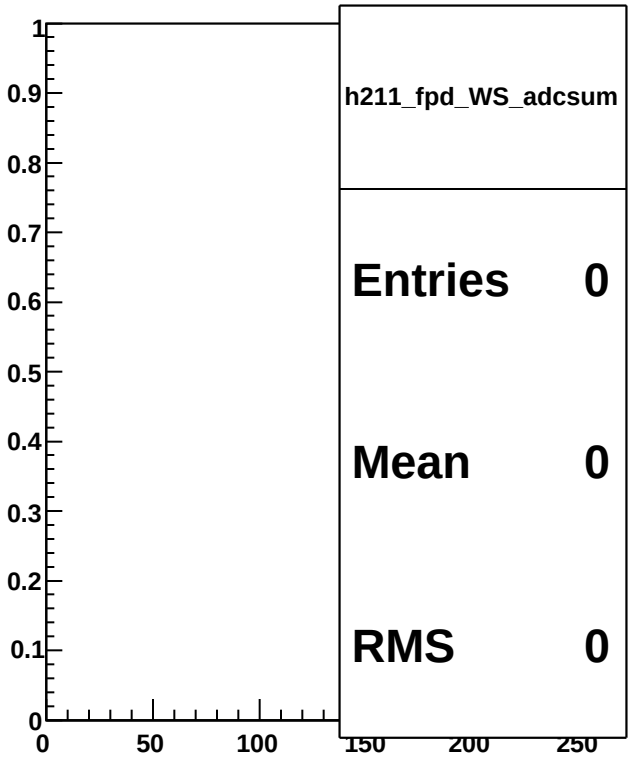
Entries 0
Mean 0
RMS 0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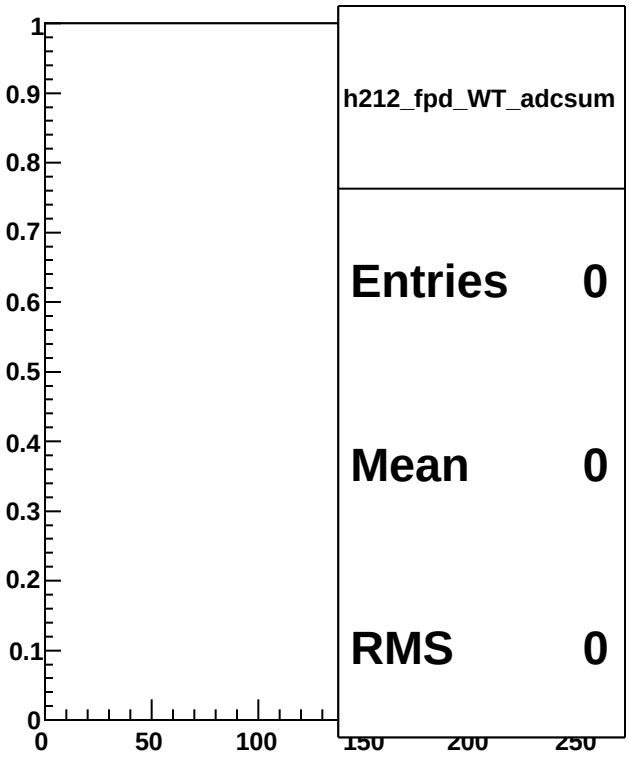
Mean 0
RMS 0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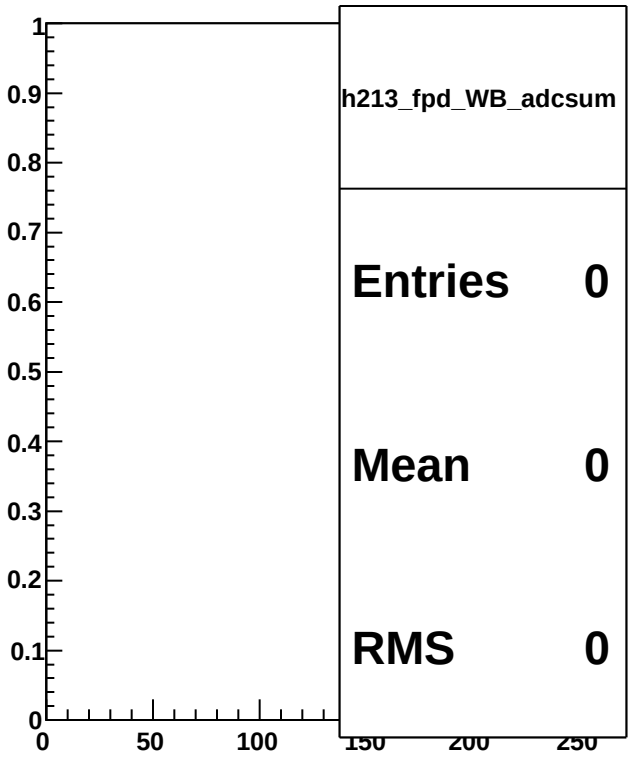
RMS 0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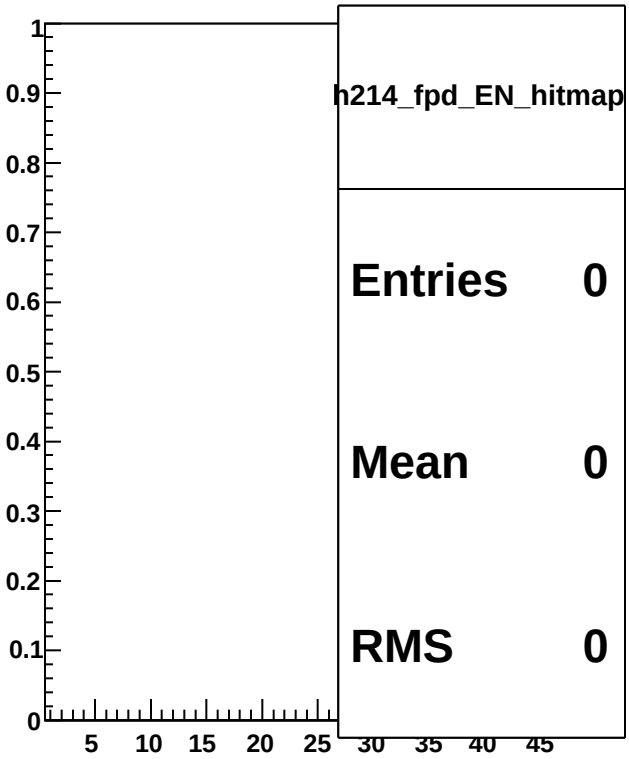
Entries 0
Mean 0
RMS 0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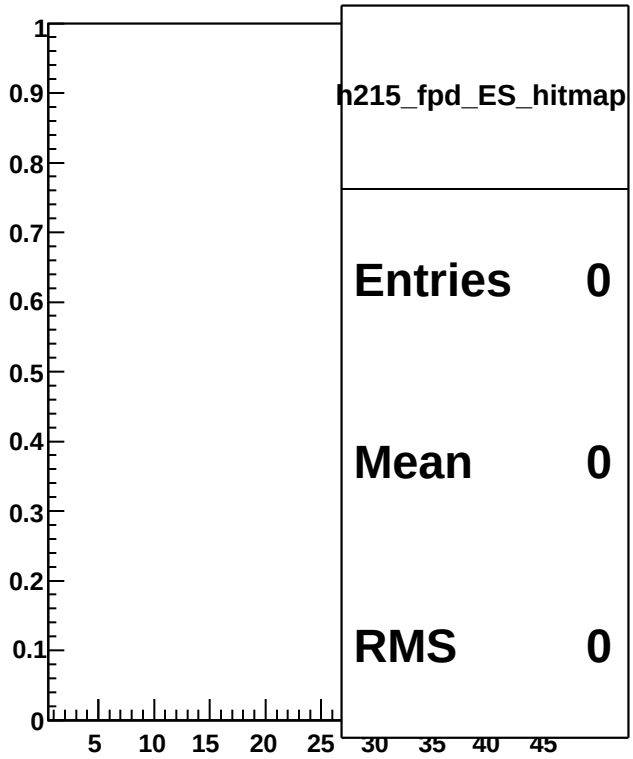
Entries 0
Mean 0
RMS 0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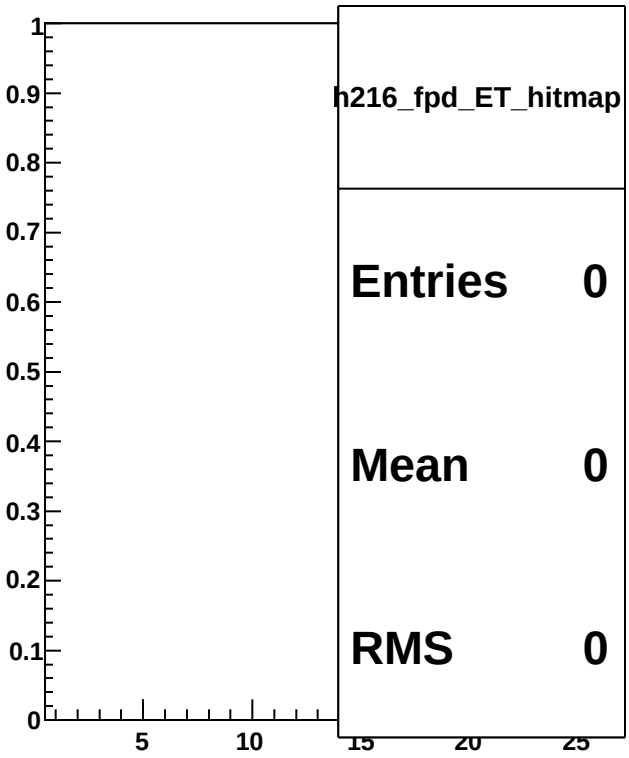
Entries 0
Mean 0
RMS 0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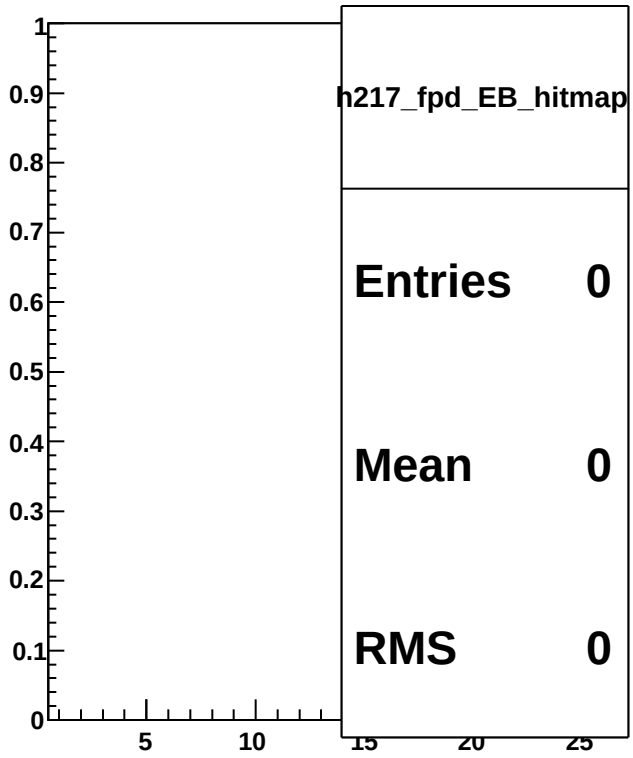
Entries 0
Mean 0
RMS 0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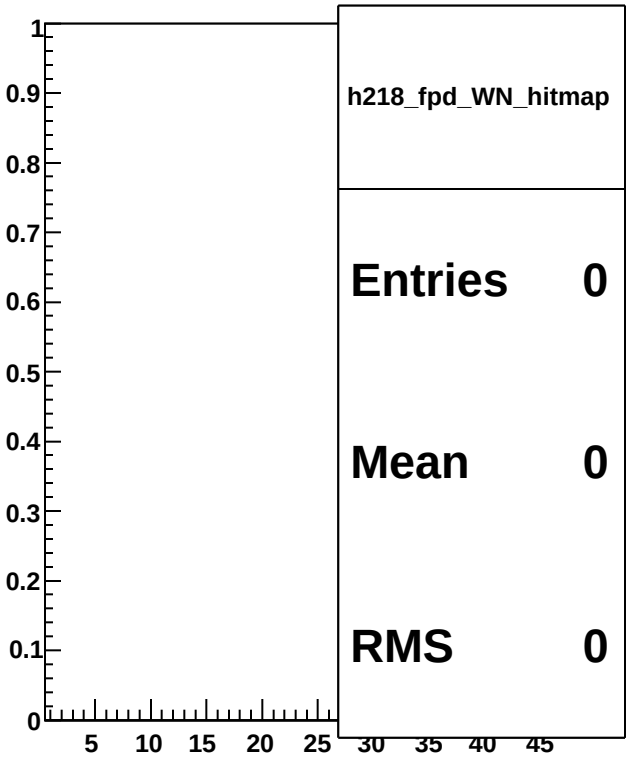
RMS 0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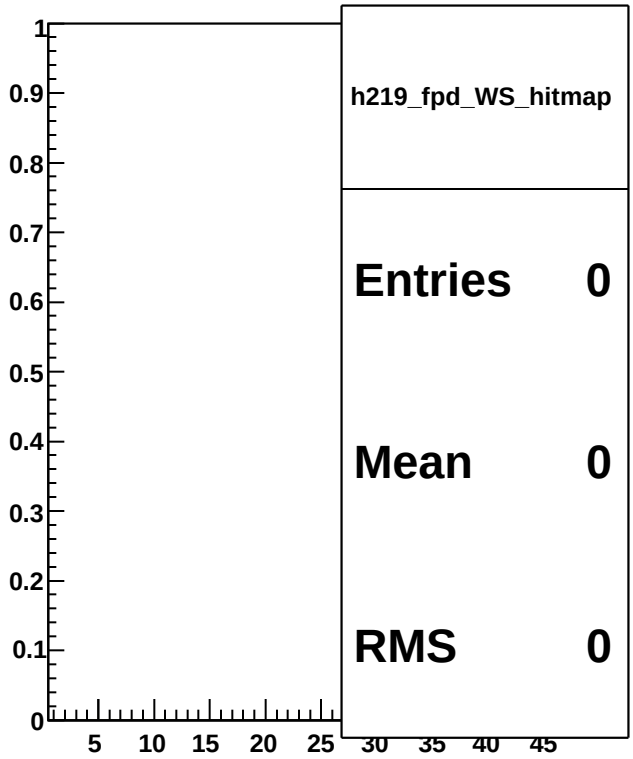
Entries 0
Mean 0
RMS 0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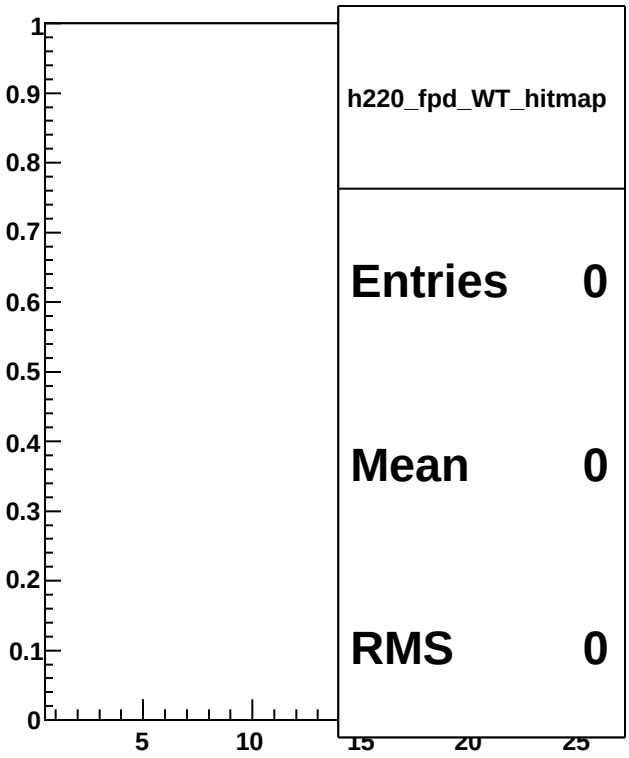
Mean 0
RMS 0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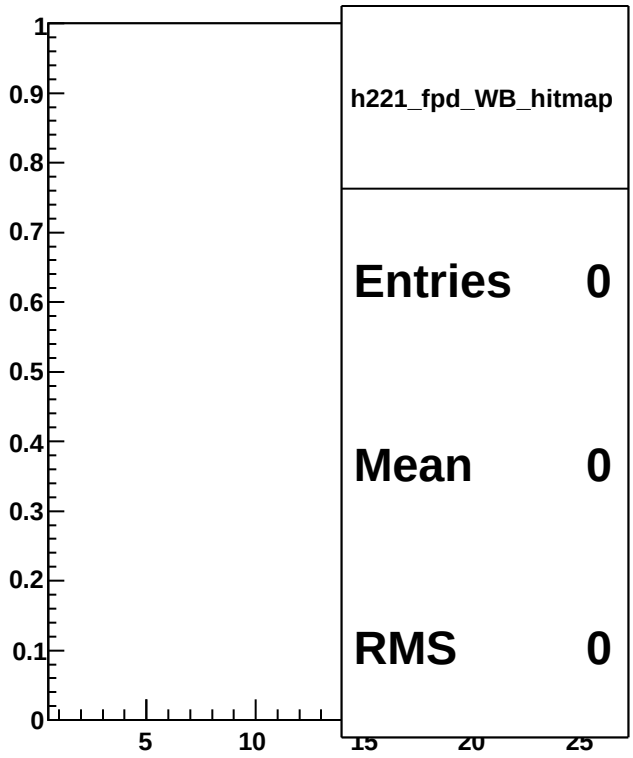
RMS 0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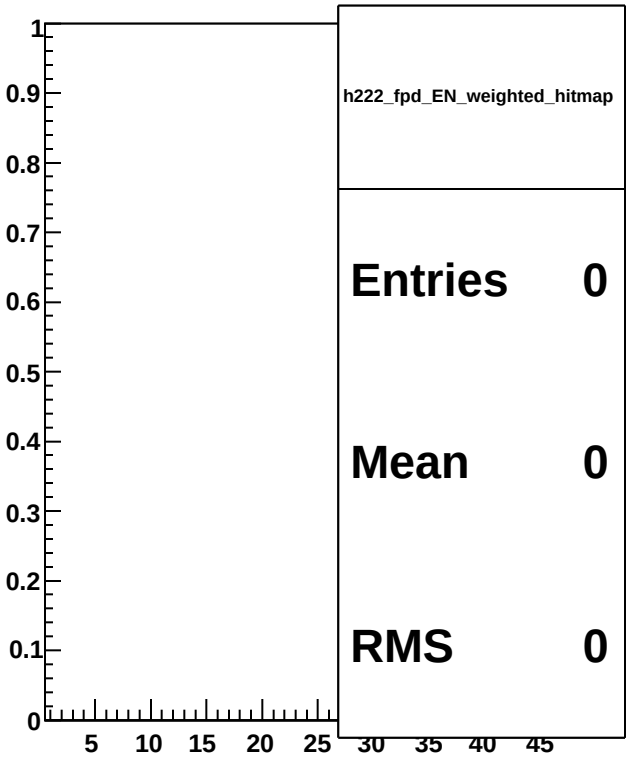
Mean 0
RMS 0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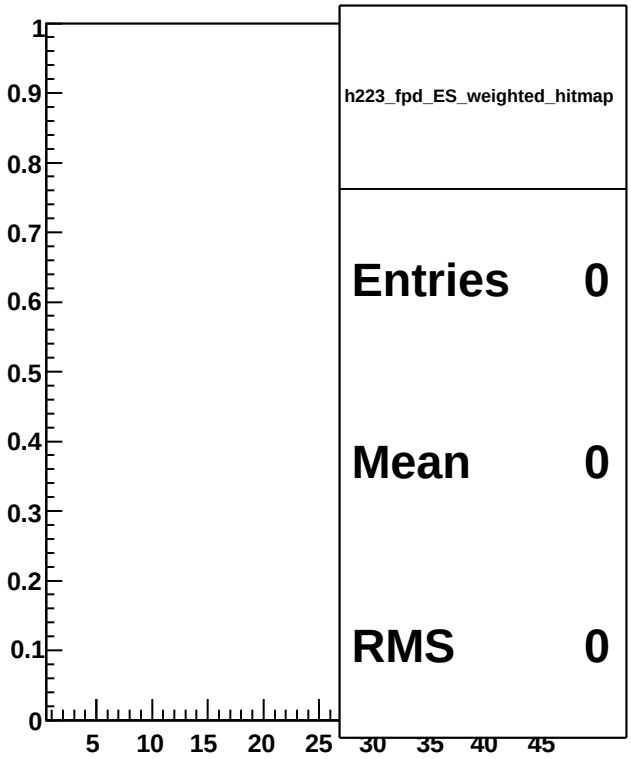
Entries 0
Mean 0
RMS 0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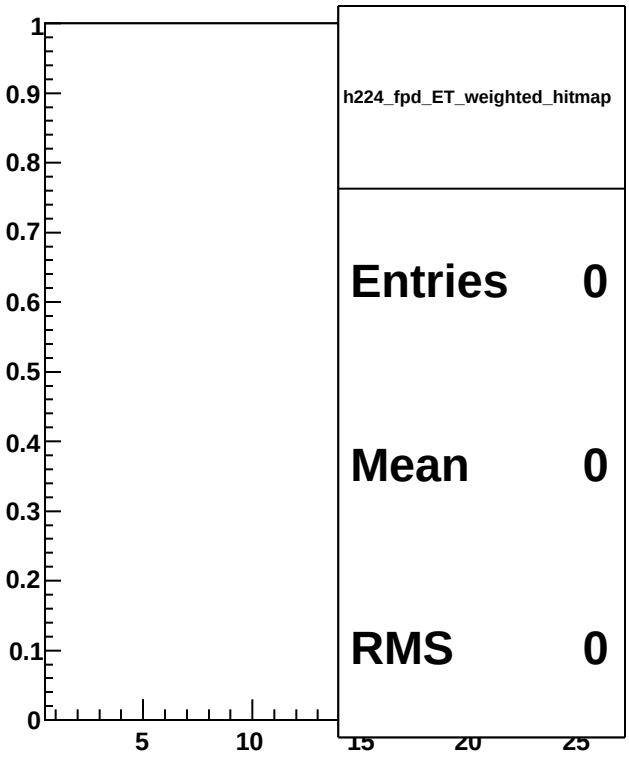
RMS 0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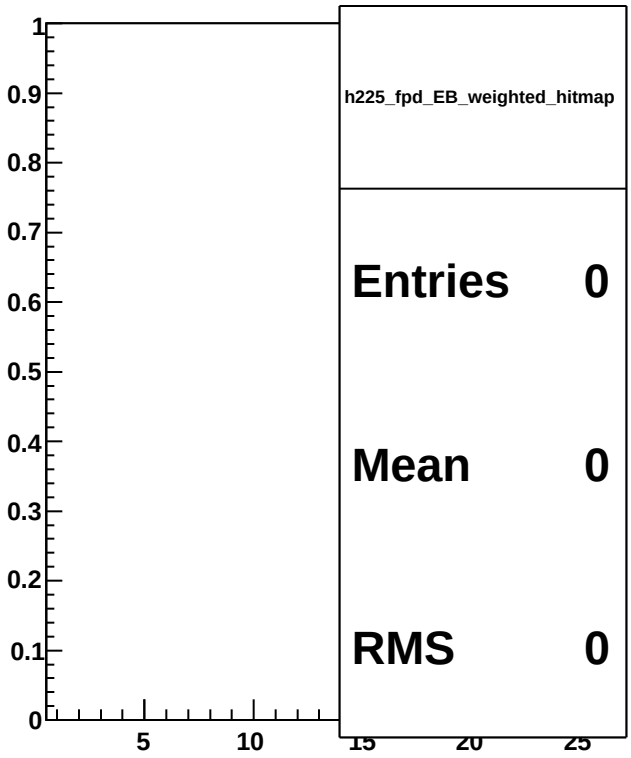
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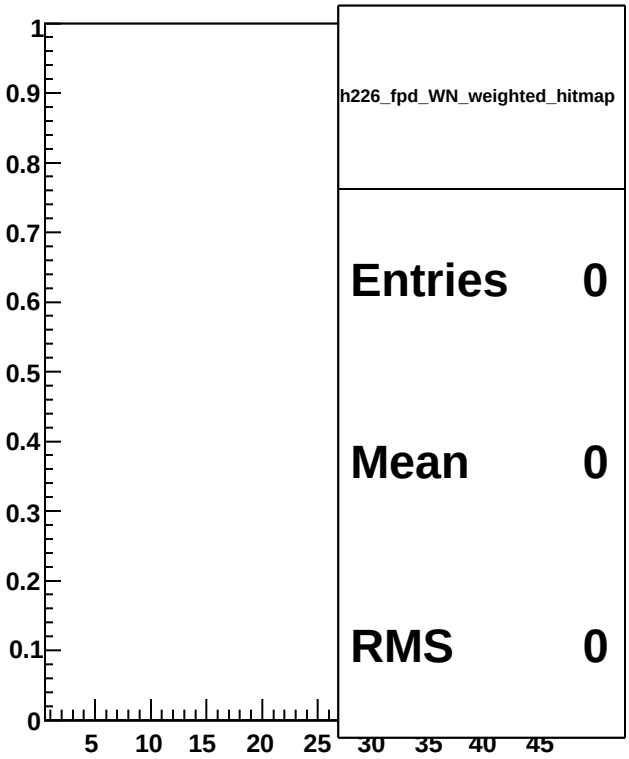
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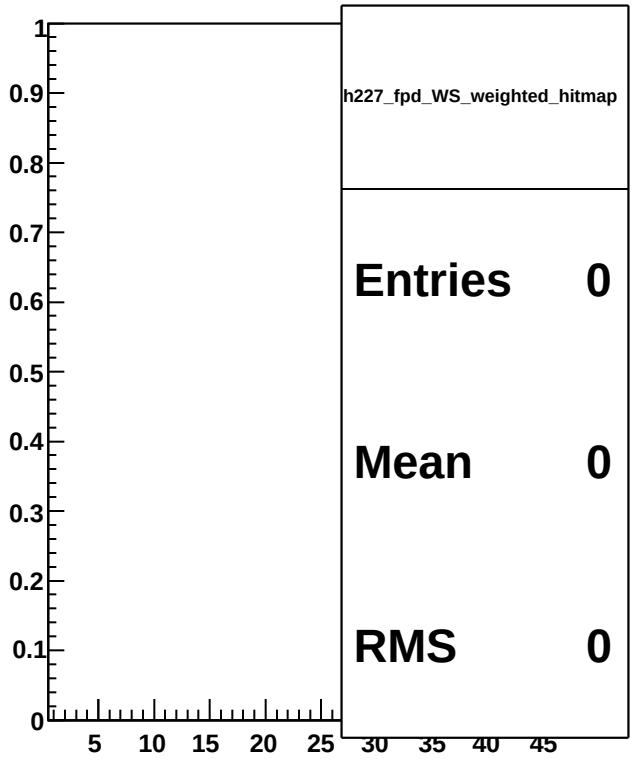
Mean 0
RMS 0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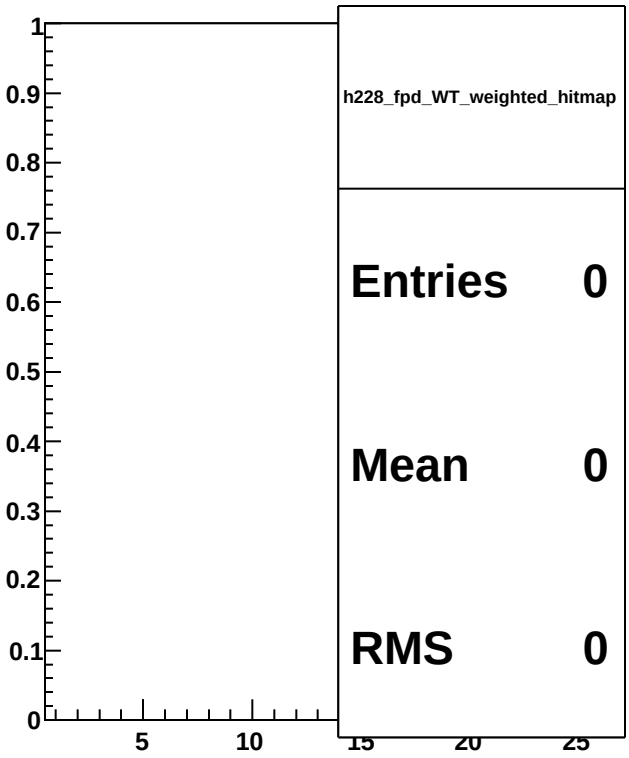
Entries 0
Mean 0
RMS 0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Entries 0
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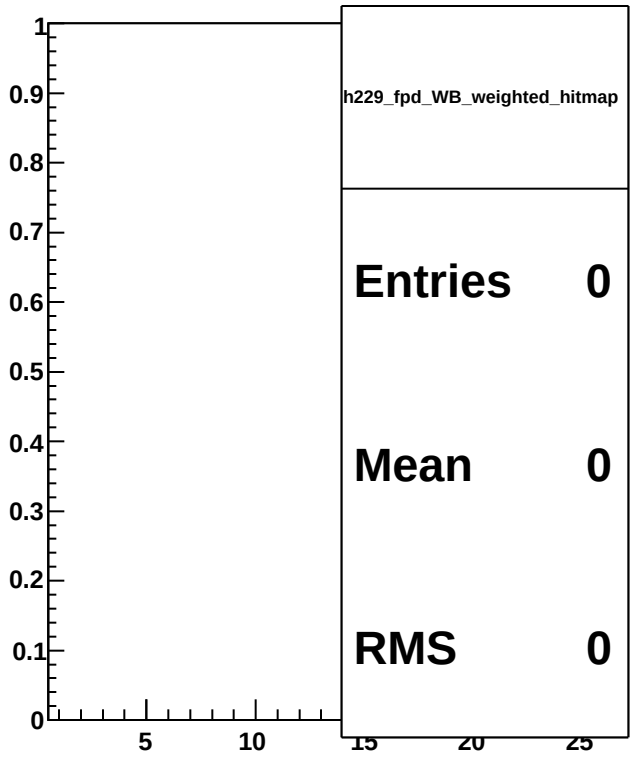
RMS 0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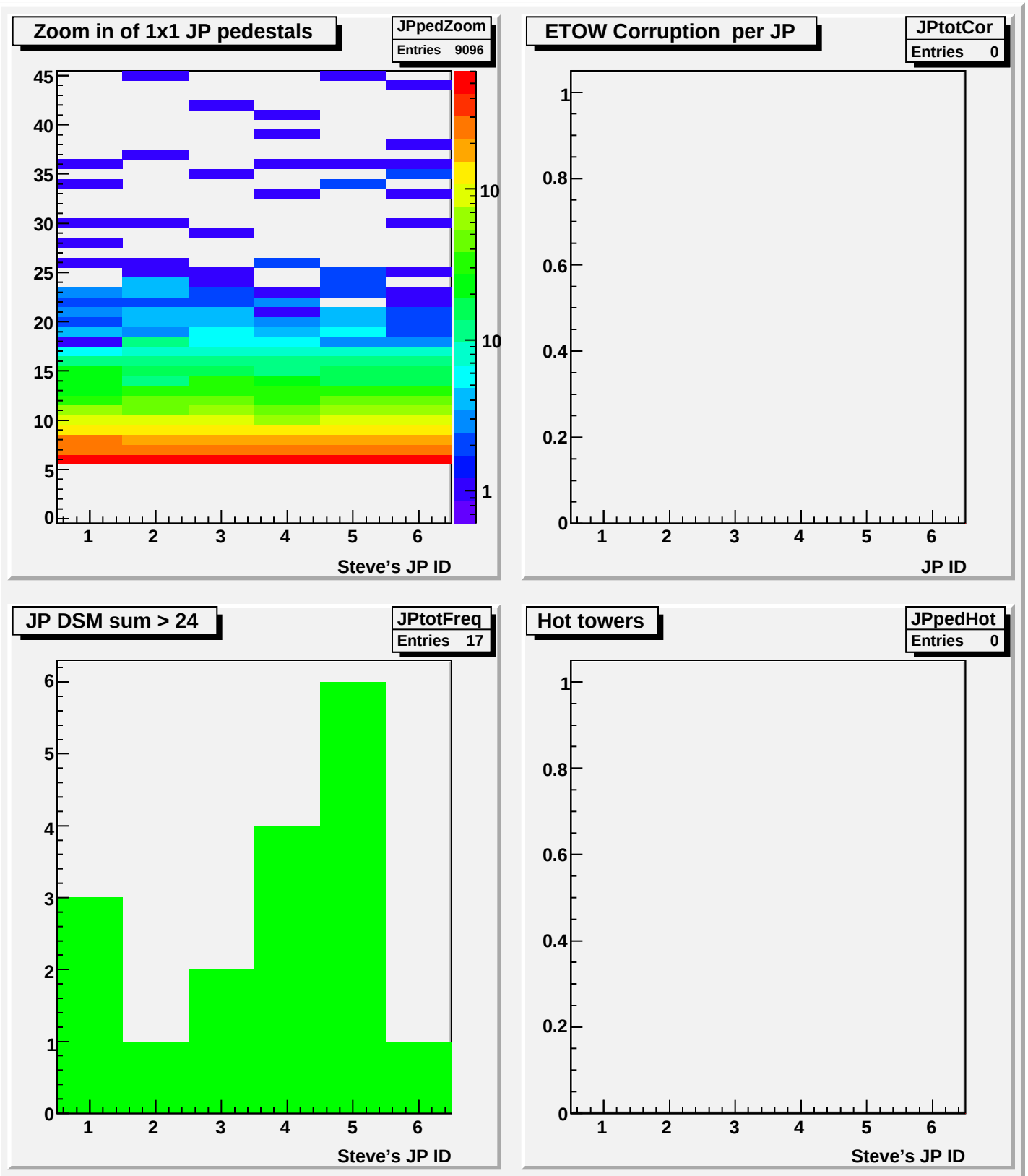
Mean 0
RMS 0




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

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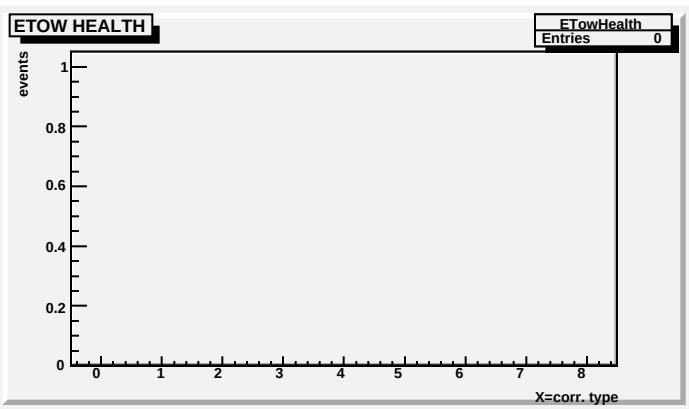
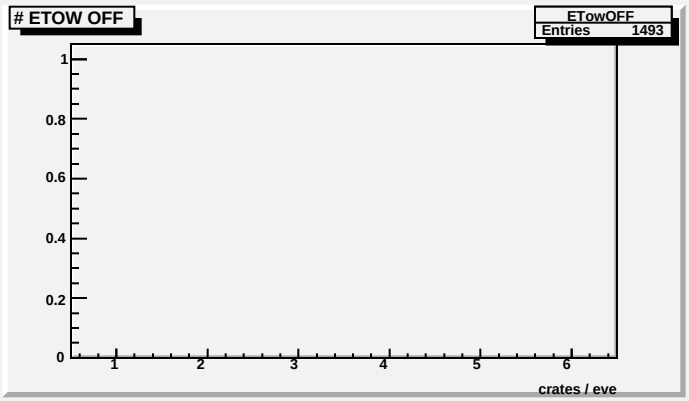

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

# ETOW head corr
ETowHeadCorr
Entries 1493
crates / eve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ETowOFF
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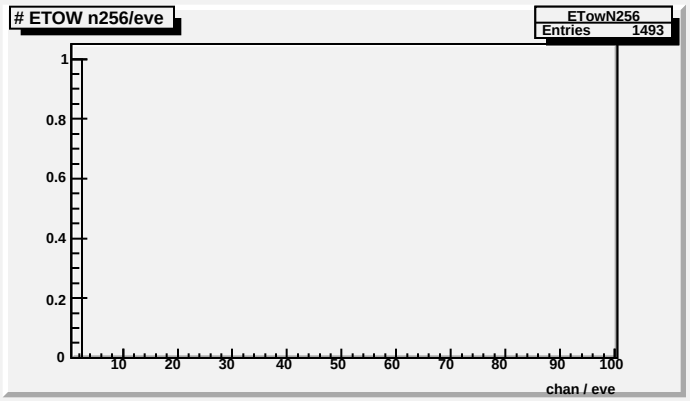
crates / eve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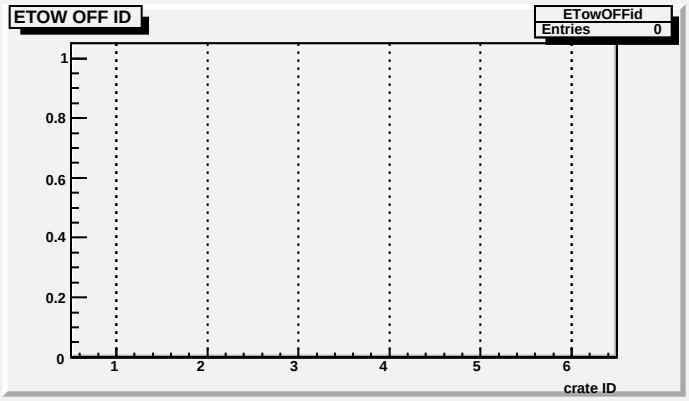
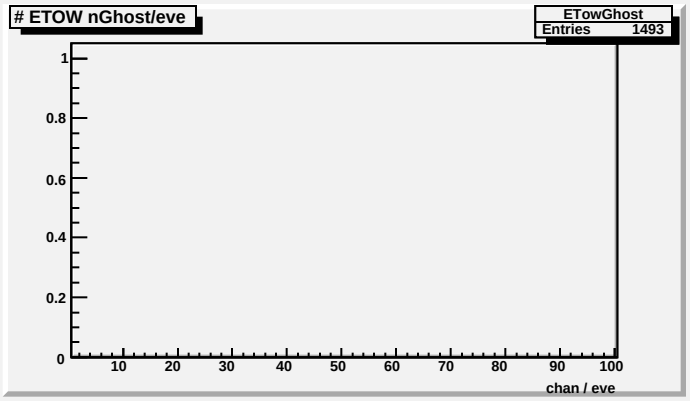
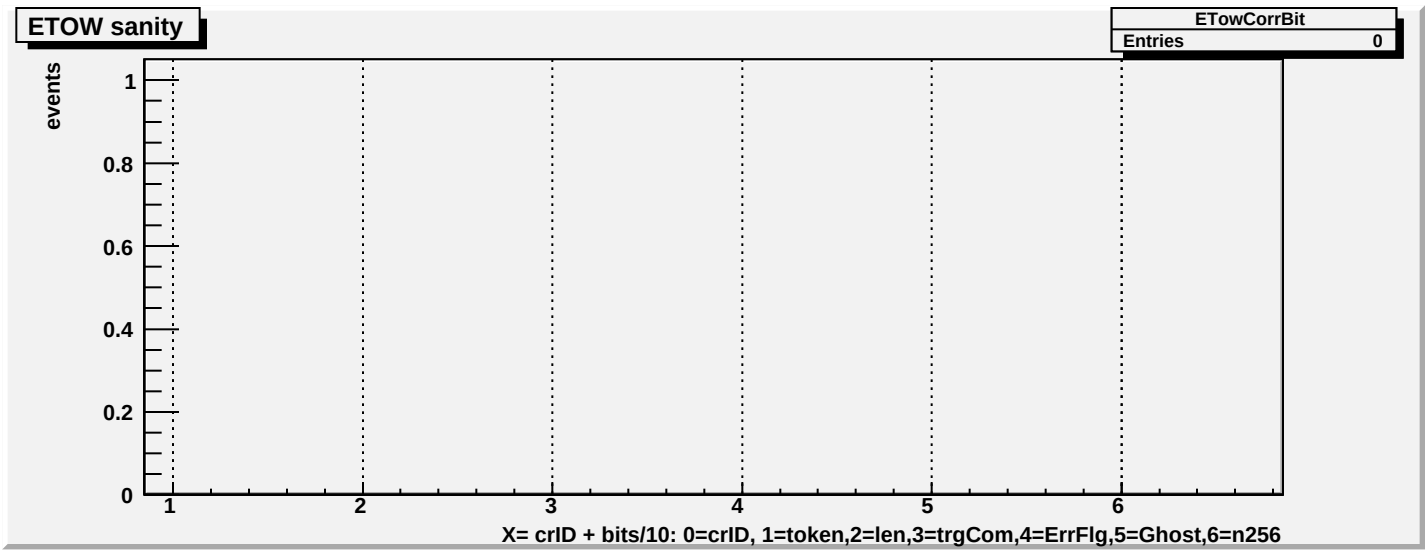
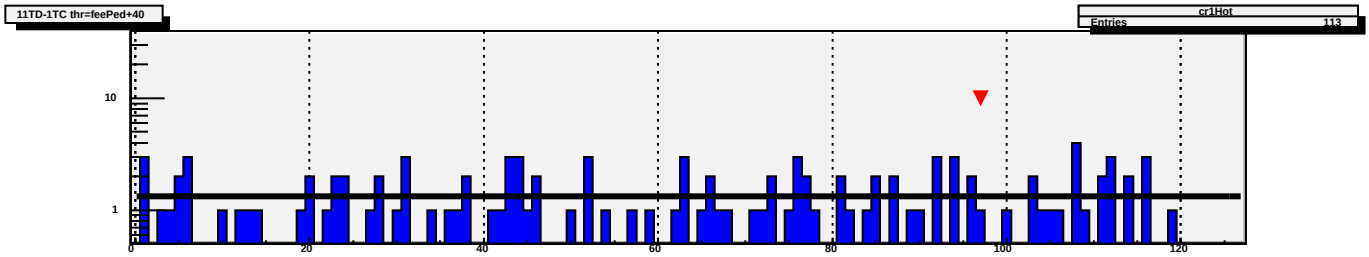
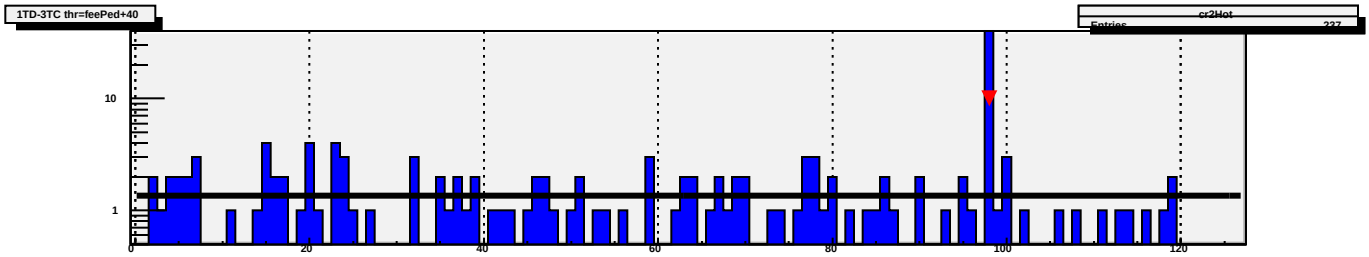
ETowN256
Entries 1493
chan / eve

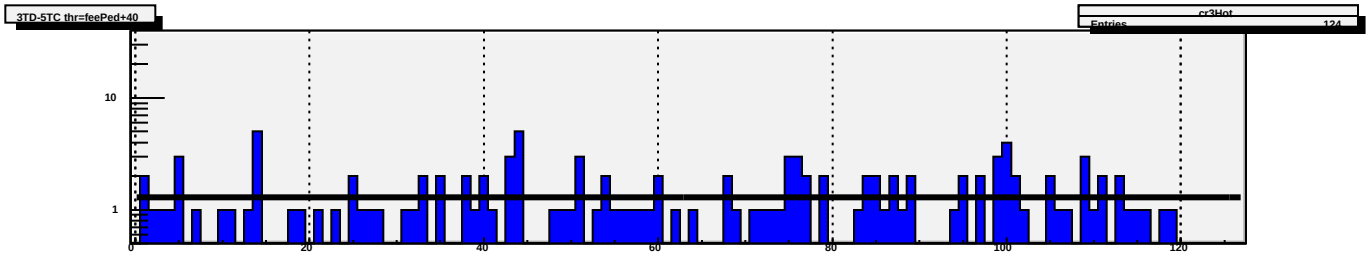

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

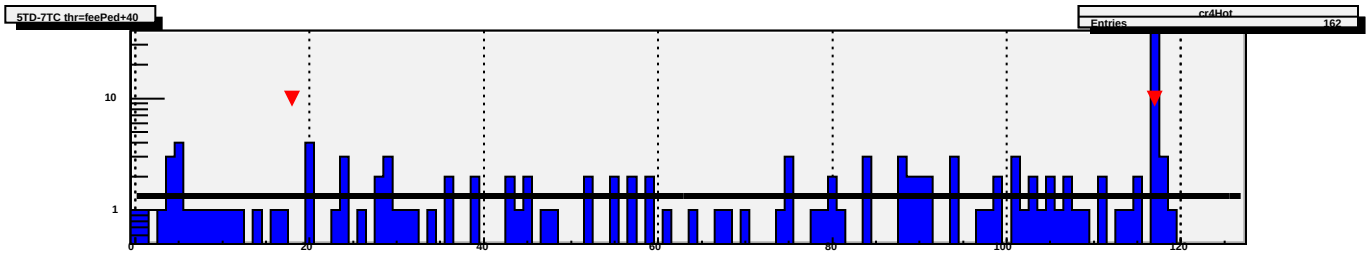

# ETOW nGhost/eve
ETowGhost
Entries 1493
chan / eve

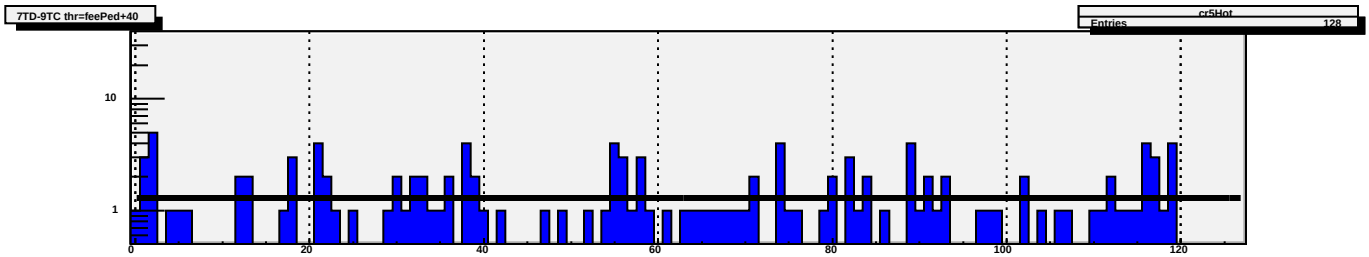

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

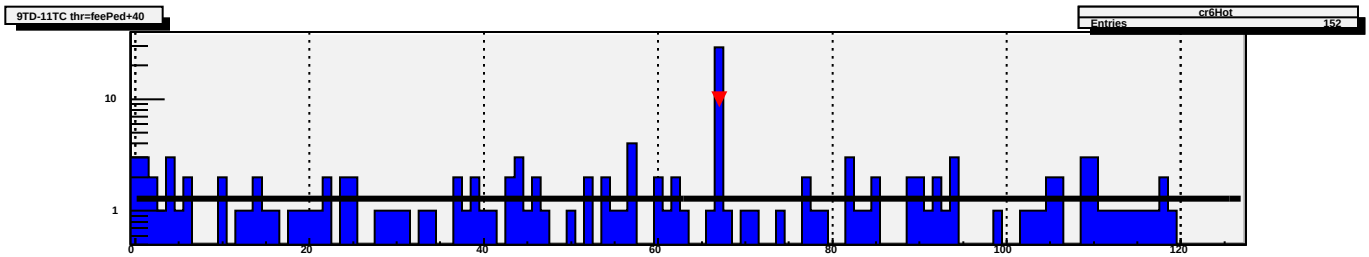

11TD-1TC thr=feePed+40
cr1Hot
Entries 113
10
1
0
20
40
60
80
100
120

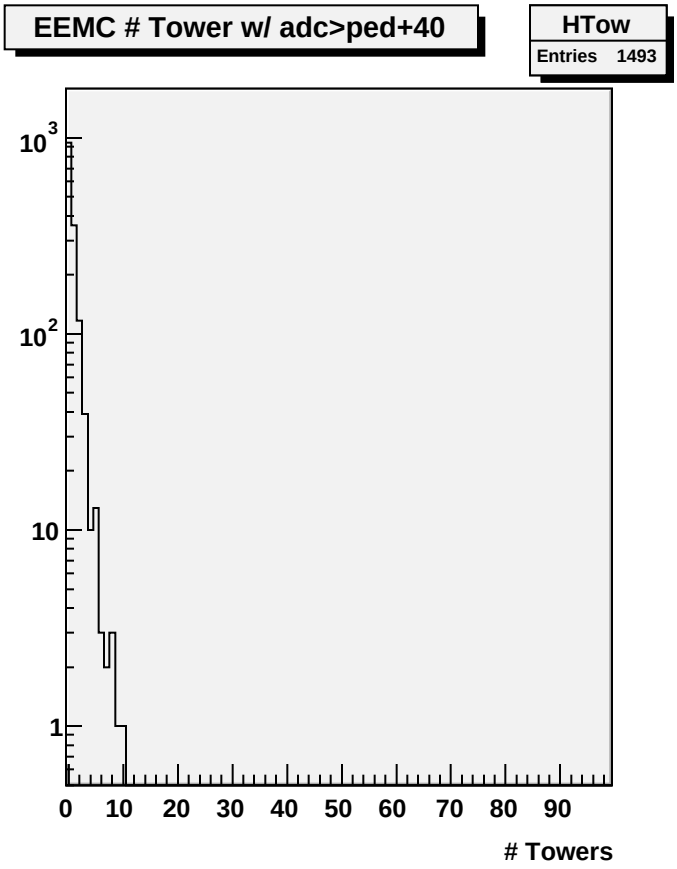

1TD-3TC thr=feePed+40
cr2Hot
Entries 237
10
1
0
20
40
60
80
100
120

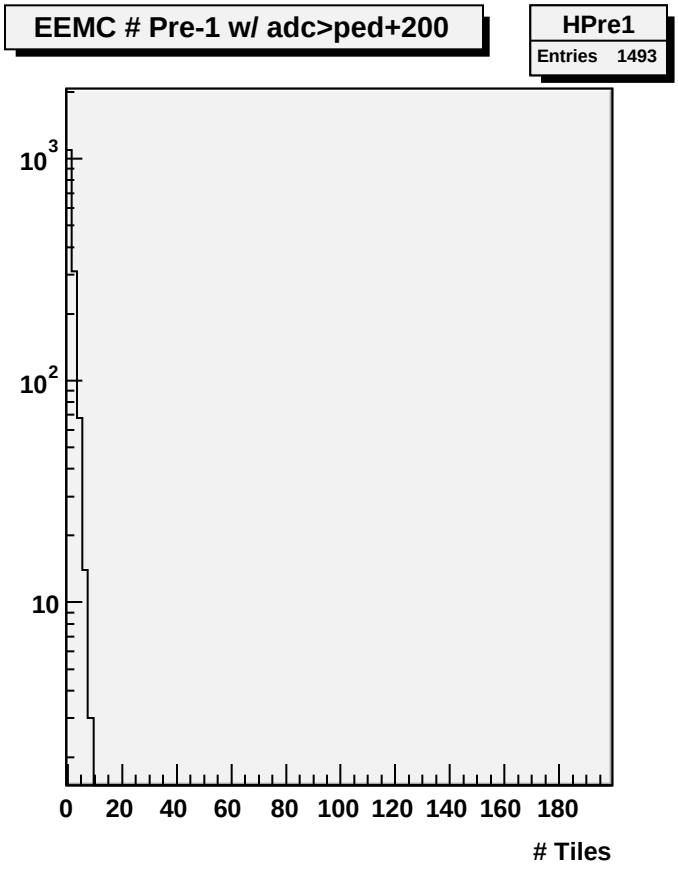

3TD-5TC thr=feePed+40
cr3Hot
Entries 124
10
1
0
20
40
60
80
100
120

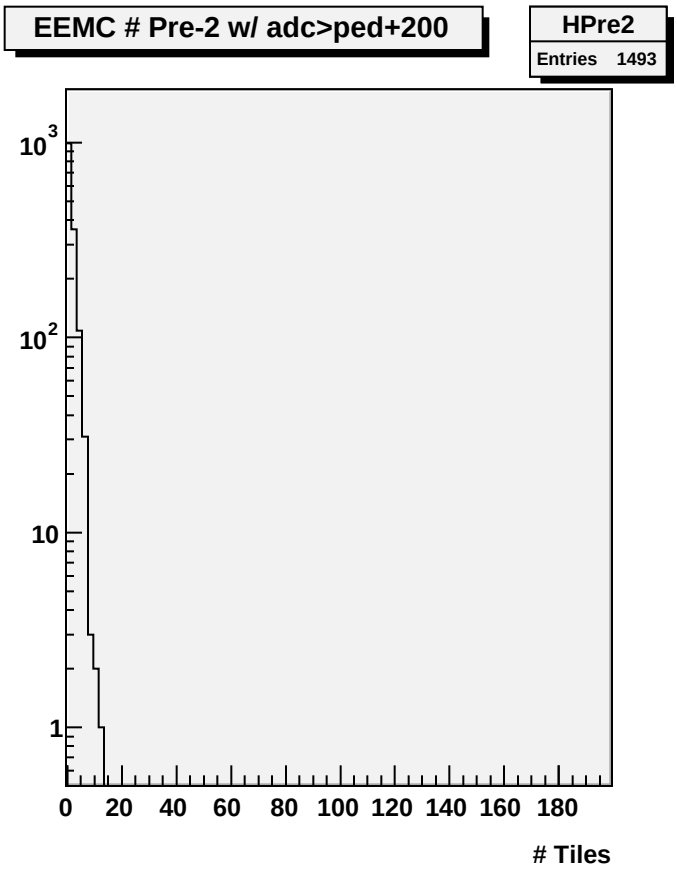

5TD-7TC thr=feePed+40
cr4Hot
Entries 162
10
1
0
20
40
60
80
100
120

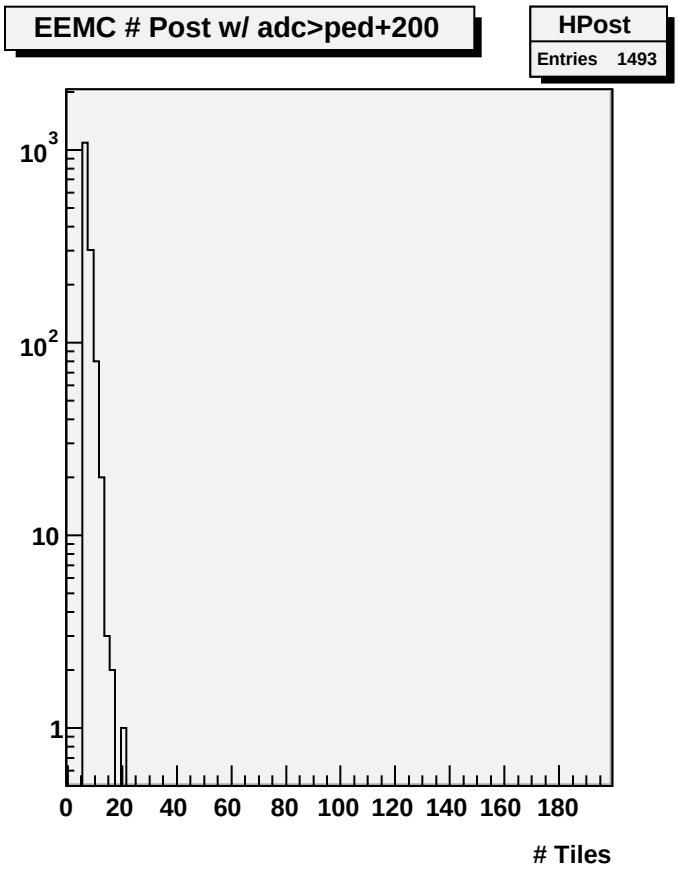

7TD-9TC thr=feePed+40
cr5Hot
Entries 128
10
1
0
20
40
60
80
100
120

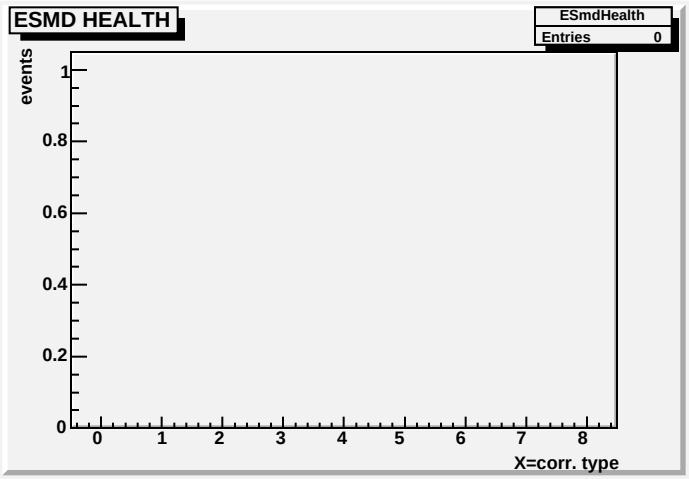

9TD-11TC thr=feePed+40
cr6Hot
Entries 152
10
1
0
20
40
60
80
100
120

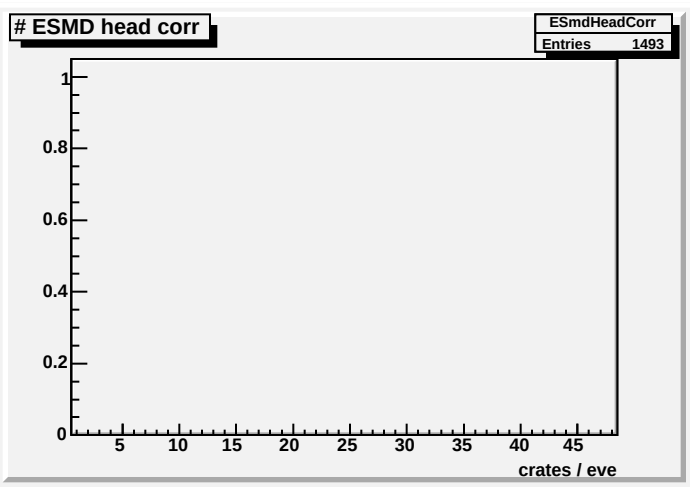

EEMC # Tower w/ adc>ped+40
HTow
Entries 1493
10^3
10^2
10
1
0 10 20 30 40 50 60 70 80 90
# Towers

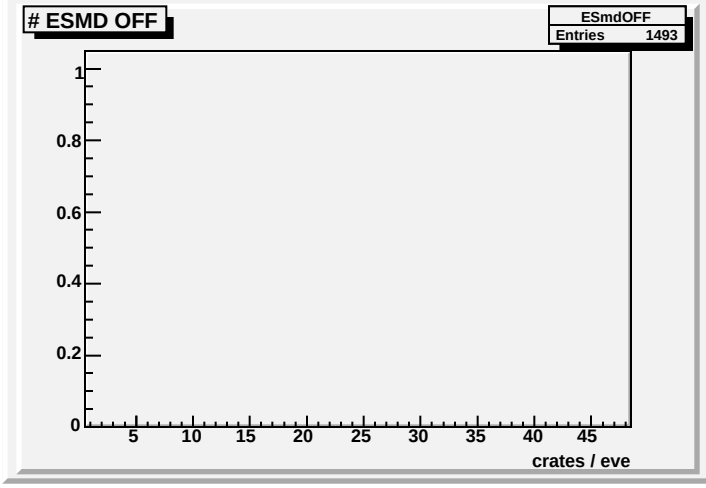

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 1493
10^3
10^2
10
0 20 40 60 80 100 120 140 160 180
# Tiles

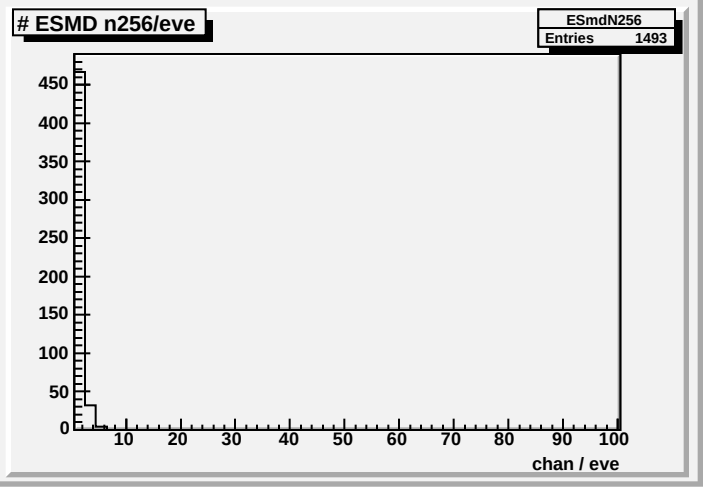

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 1493
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
# Tiles

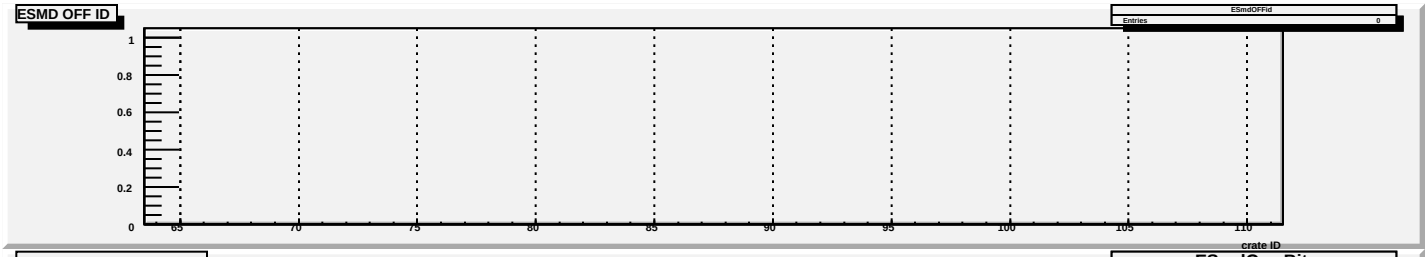

EEMC # Post w/ adc>ped+200
HPost
Entries 1493
10^3
10^2
10
1
0 20 40 60 80 100 120 140 160 180
# Tiles

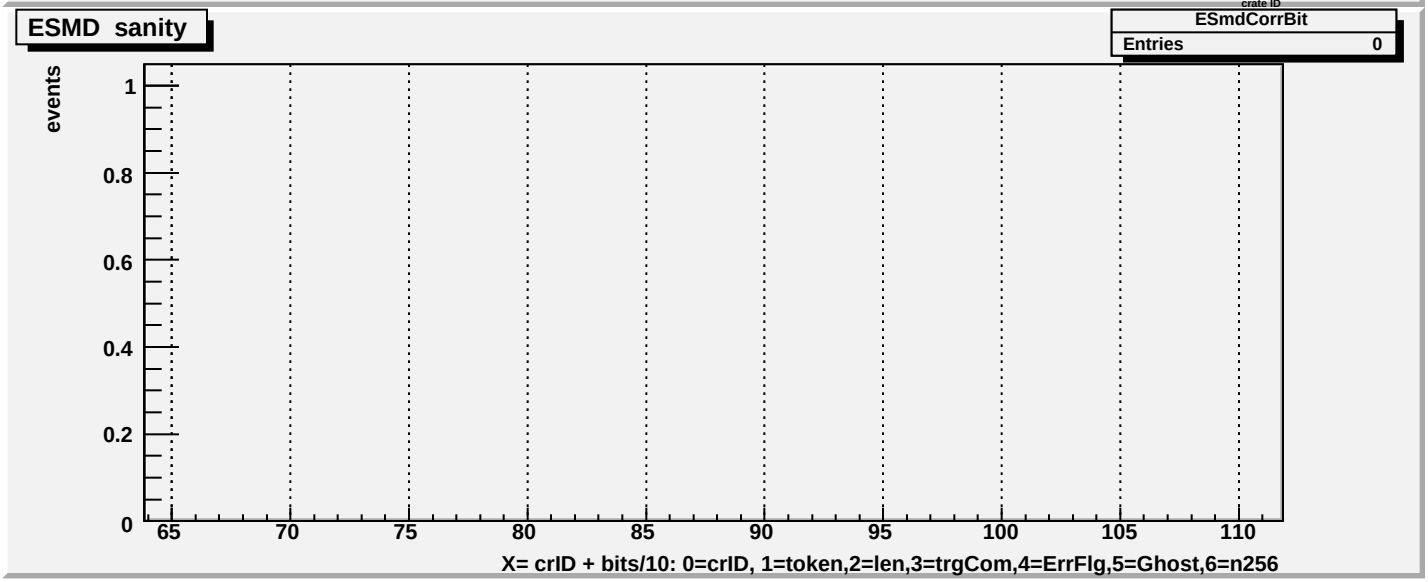

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

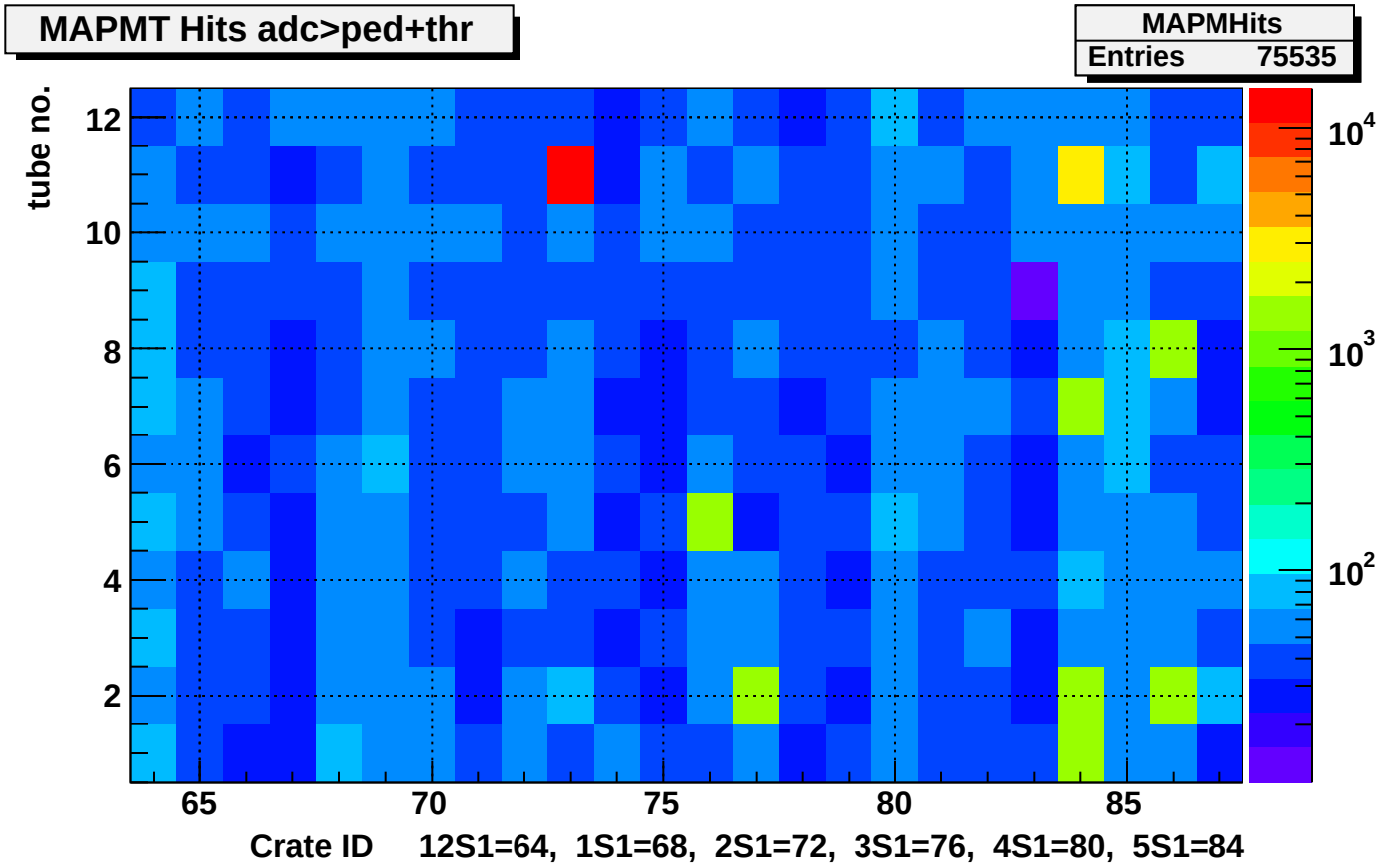

# ESMD head corr
ESmdHeadCorr
Entries 1493
crates / eve

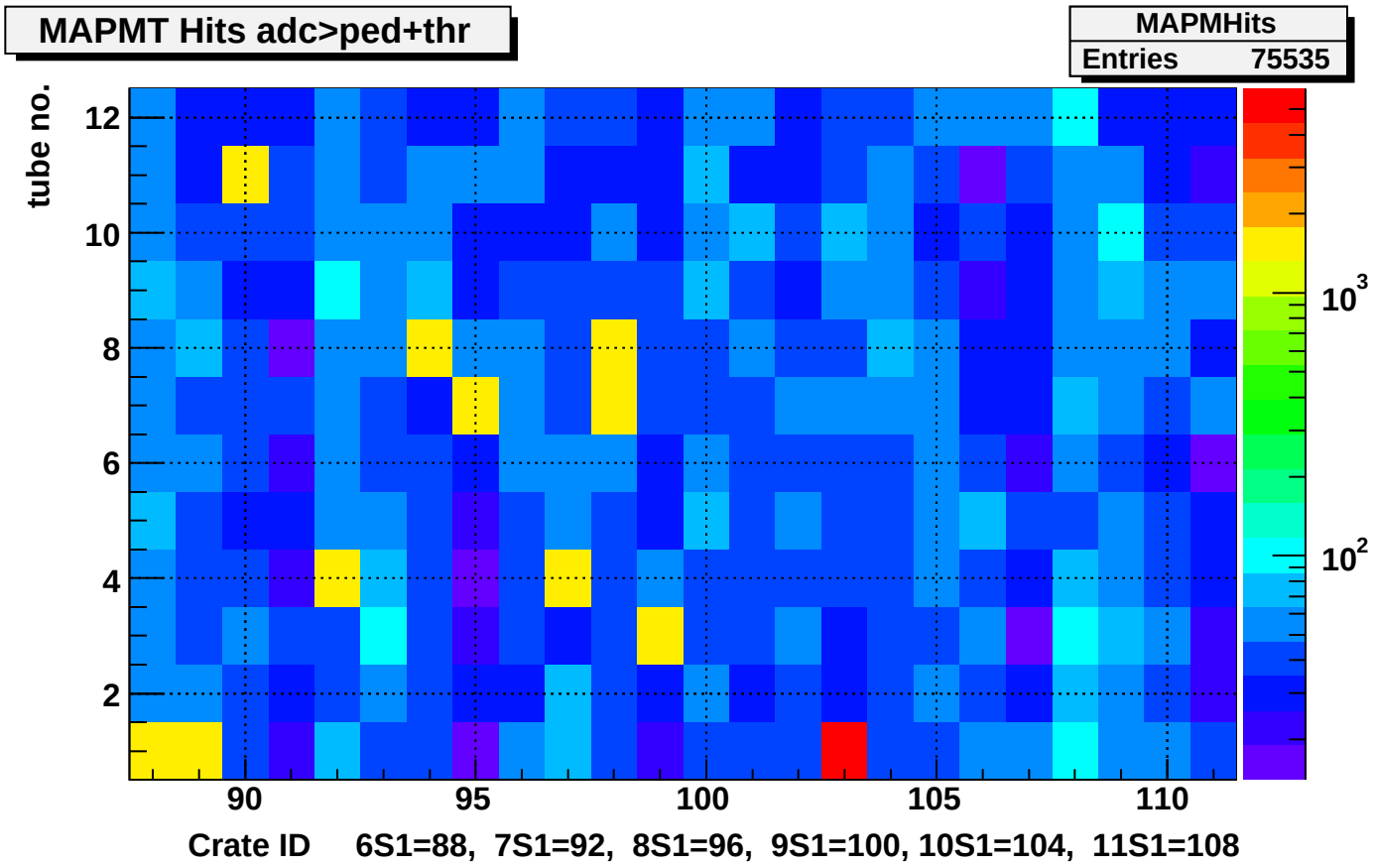

# ESMD OFF
ESmdOFF
Entries 1493
crates / eve

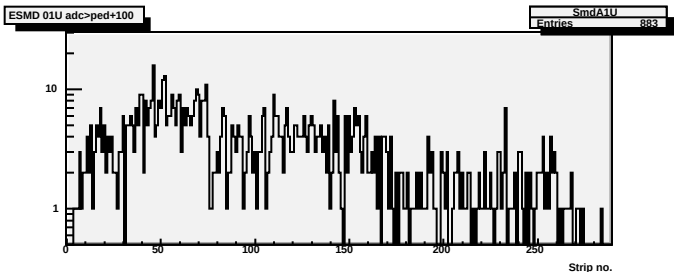

# ESMD n256/eve
ESmdN256
Entries 1493
chan / eve

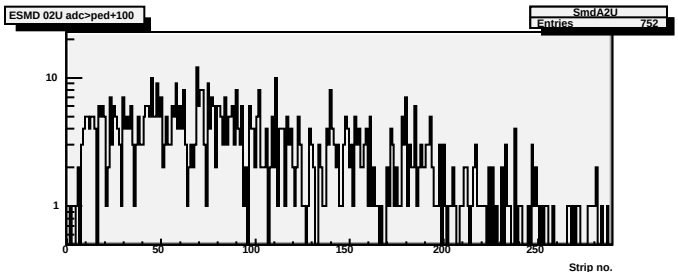

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

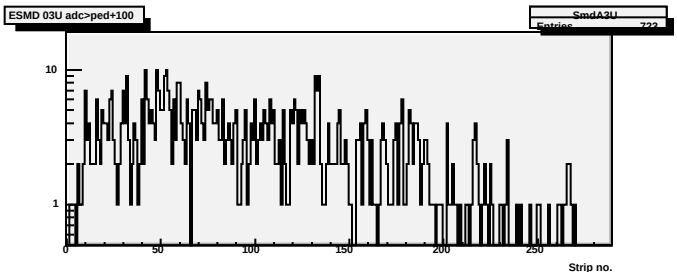

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

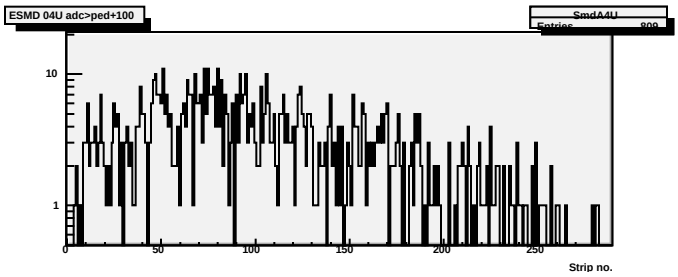

MAPMT Hits adc>ped+thr
MAPMHits
Entries 75535
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84
$10^4$
$10^3$
$10^2$

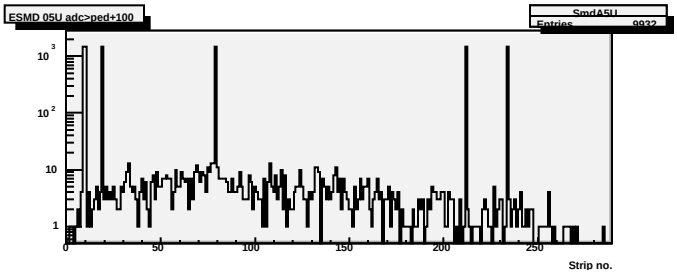

MAPMT Hits adc>ped+thr
MAPMHits
Entries 75535
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108
$10^3$
$10^2$

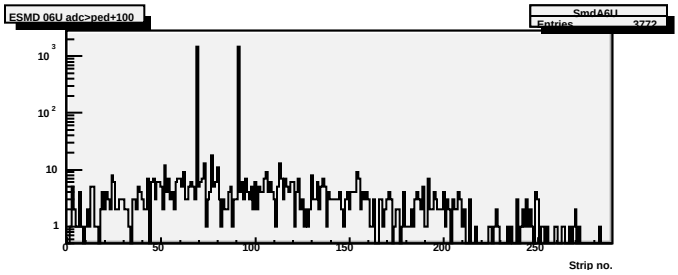

ESMD 01U adc>ped+100
SmdA1U
Entries 883
Strip no.

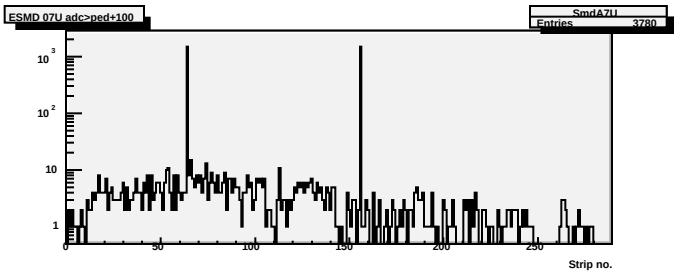

ESMD 02U adc>ped+100
SmdA2U
Entries 752
Strip no.

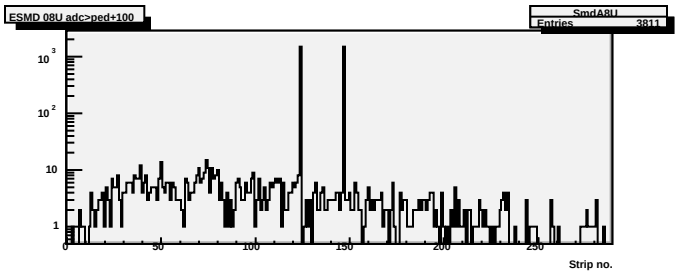

ESMD 03U adc>ped+100
SmdA3U
Entries 723
Strip no.

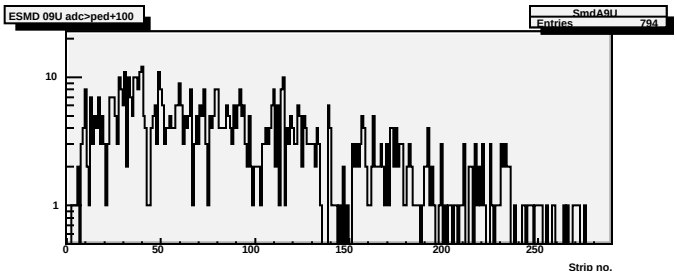

ESMD 04U adc>ped+100
SmdA4U
Entries 909
Strip no.

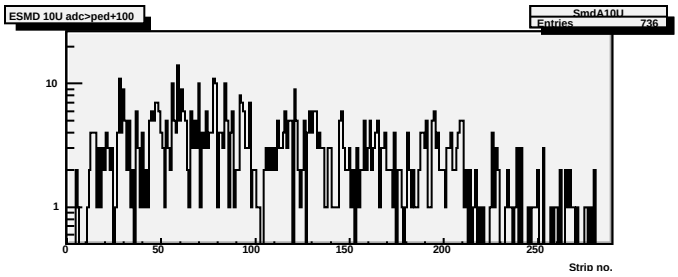

ESMD 05U adc>ped+100
SmdA5U
Entries 9932
Strip no.

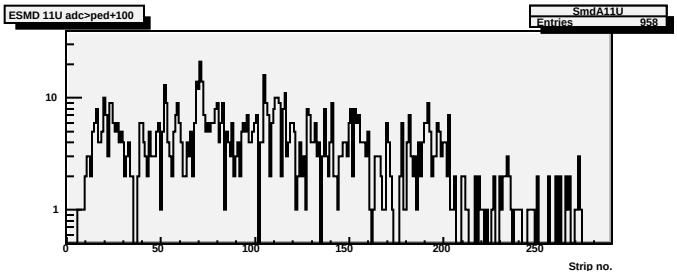

ESMD 06U adc>ped+100
SmdA6U
Entries 3772
Strip no.

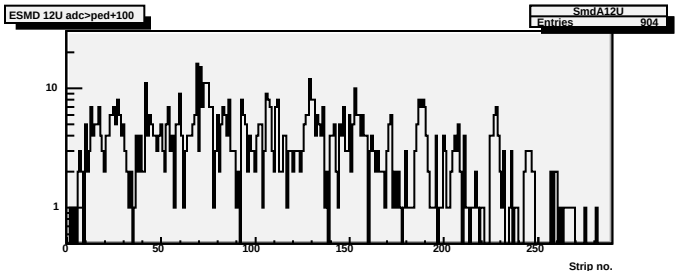

ESMD 07U adc>ped+100
SmdA7U
Entries 3780
Strip no.

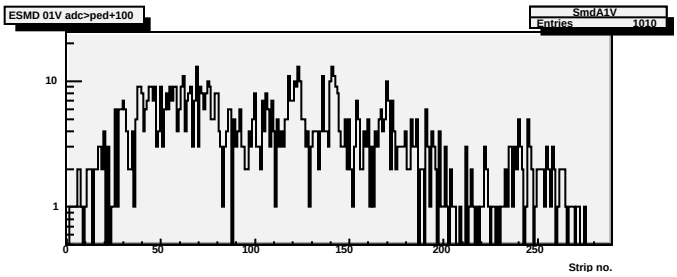

ESMD 08U adc>ped+100
SmdA8U
Entries 3811
Strip no.

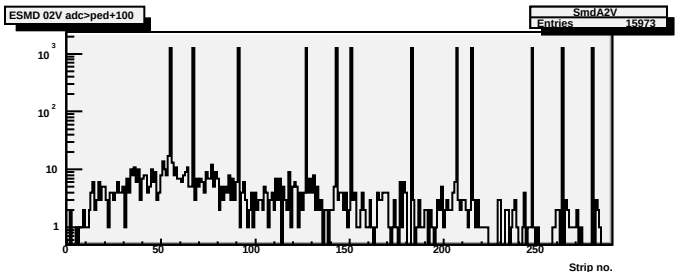

ESMD 09U adc>ped+100
SmdA9U
Entries 794
Strip no.

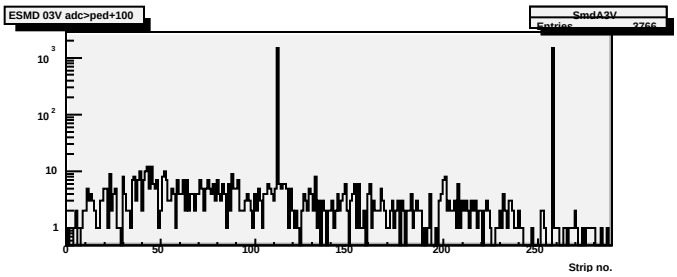

ESMD 10U adc>ped+100
SmdA10U
Entries 736
Strip no.

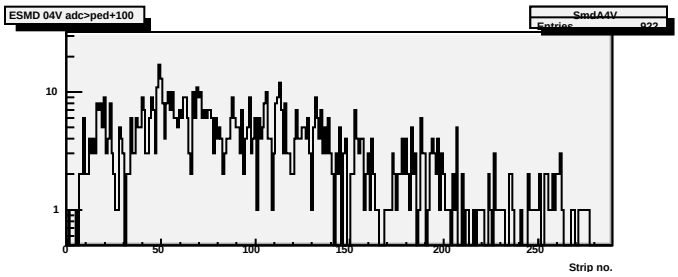

ESMD 11U adc>ped+100
SmdA11U
Entries 958
Strip no.

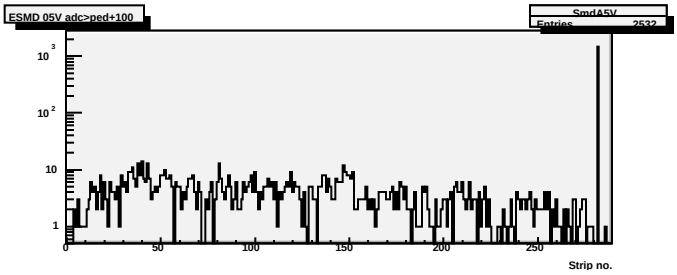

ESMD 12U adc>ped+100
SmdA12U
Entries 904
Strip no.

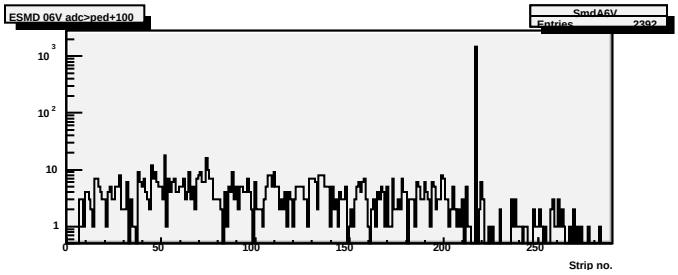

ESMD 01V adc>ped+100
SmdA1V
Entries 1010
Strip no.

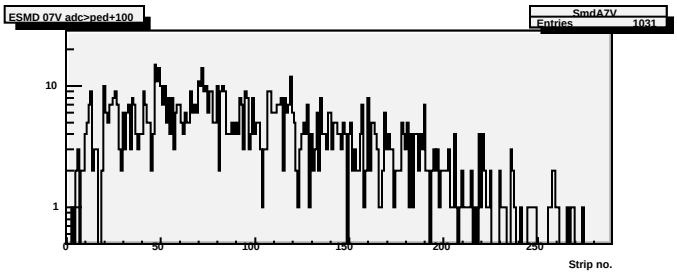

ESMD 02V adc>ped+100
SmdA2V
Entries 15973
Strip no.

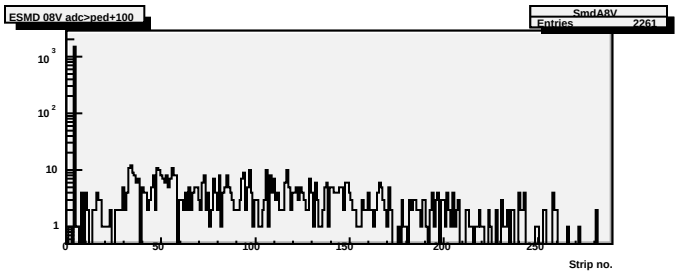

ESMD 03V adc>ped+100
SmdA3V
Entries 2766
Strip no.

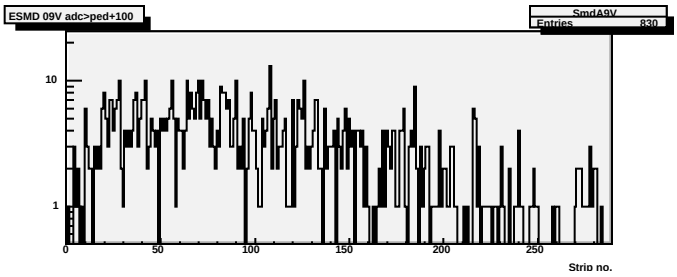

ESMD 04V adc>ped+100
SmdA4V
Entries 922
Strip no.

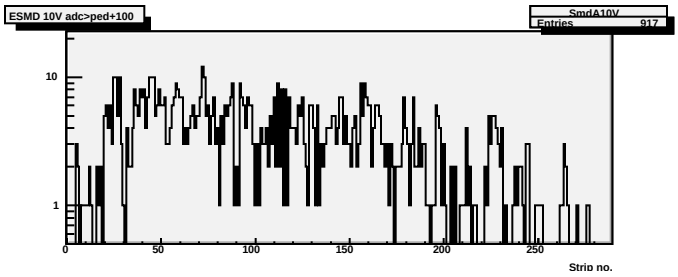

ESMD 05V adc>ped+100
SmdA5V
Entries 2532
Strip no.

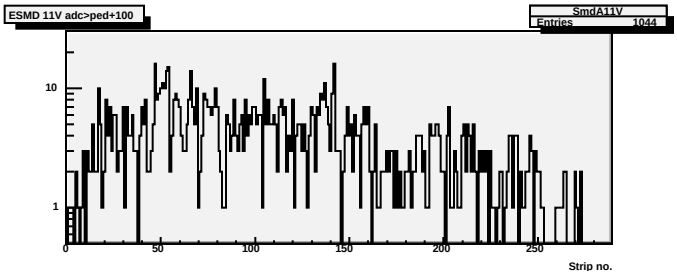

ESMD 06V adc>ped+100
SmdA6V
Entries 2392
Strip no.

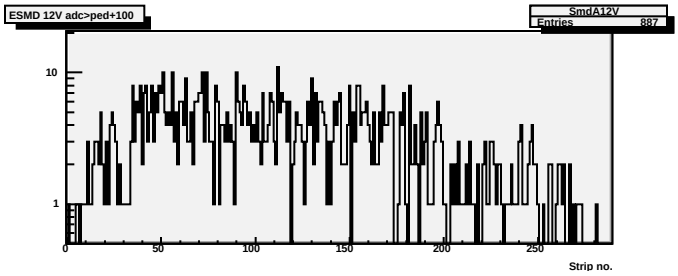

ESMD 07V adc>ped+100
SmdA7V
Entries 1031
Strip no.

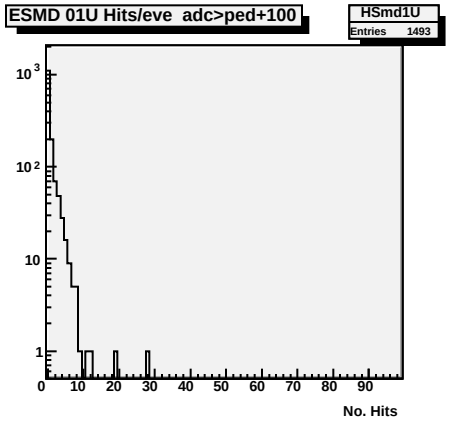

ESMD 08V adc>ped+100
SmdA8V
Entries 2261
Strip no.

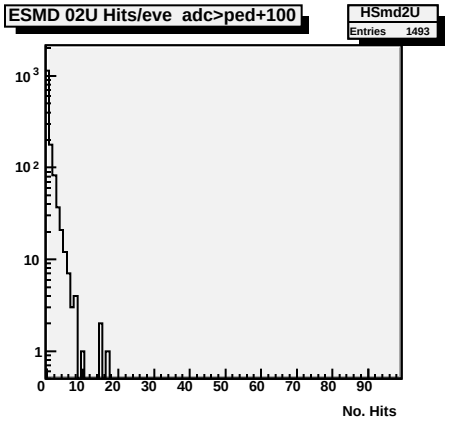

ESMD 09V adc>ped+100
SmdA9V
Entries 830
Strip no.

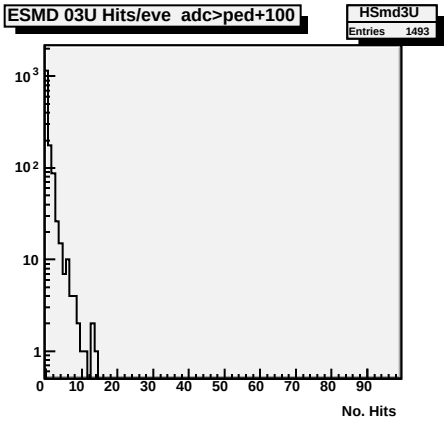

ESMD 10V adc>ped+100
SmdA10V
Entries 917
Strip no.

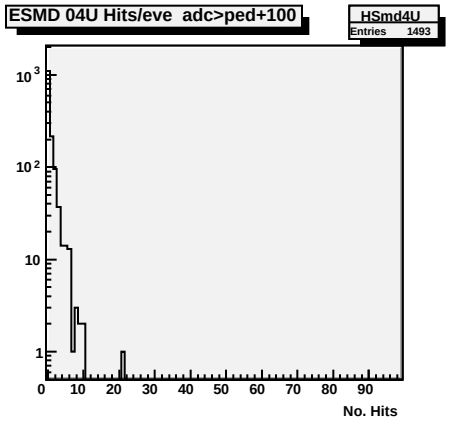

ESMD 11V adc>ped+100
SmdA11V
Entries 1044
Strip no.

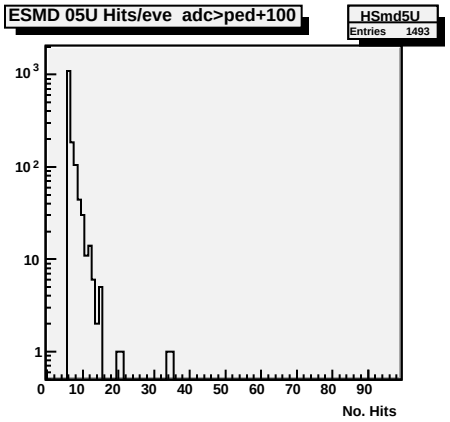

ESMD 12V adc>ped+100
SmdA12V
Entries 887
Strip no.


ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 1493
No. Hits


ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 1493
No. Hits


ESMD 03U Hits/eve adc>ped+100
HSmd3U
Entries 1493
No. Hits


ESMD 04U Hits/eve adc>ped+100
HSmd4U
Entries 1493
No. Hits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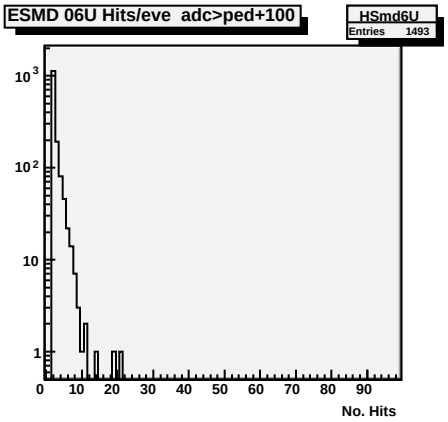
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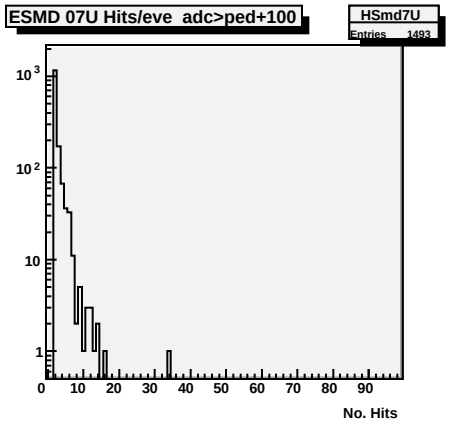
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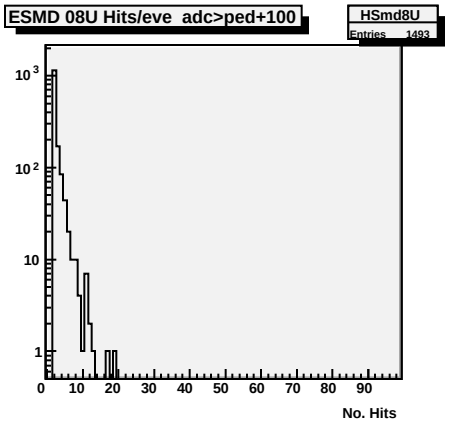
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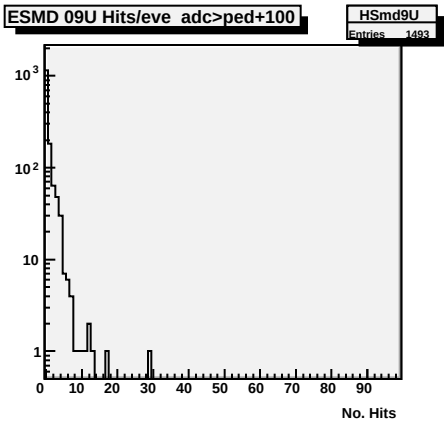
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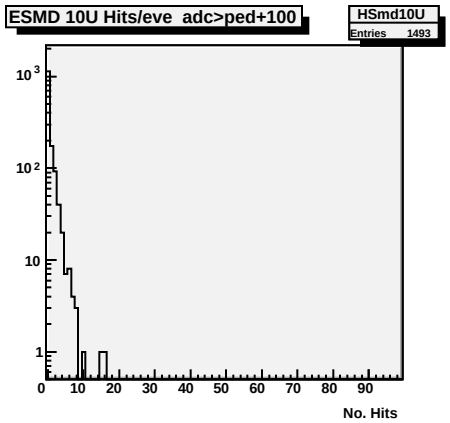
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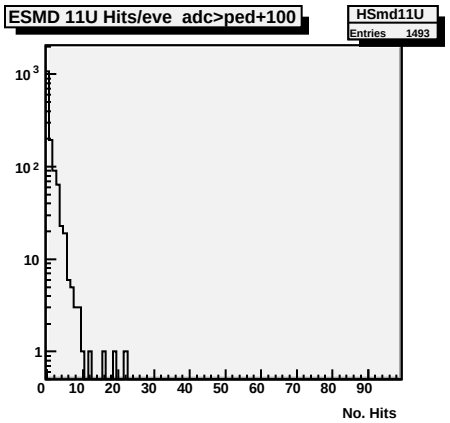
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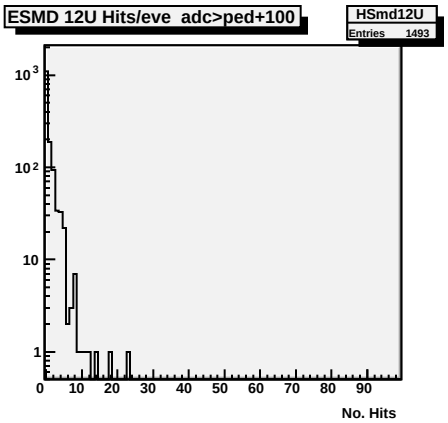
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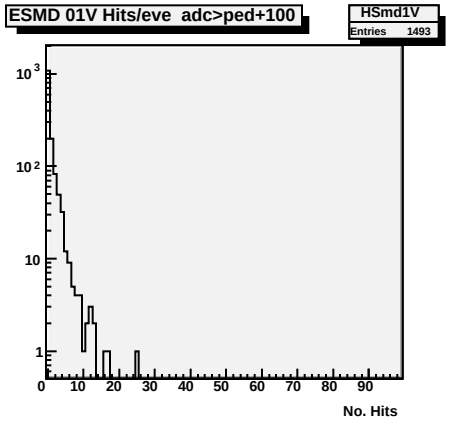
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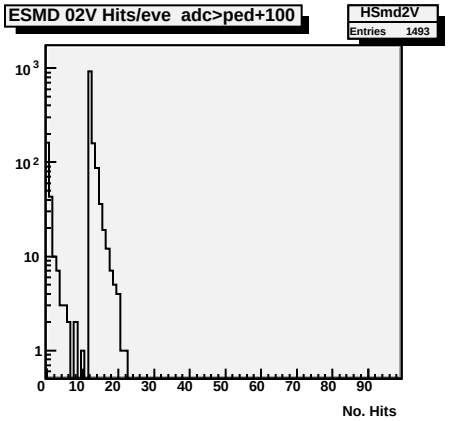
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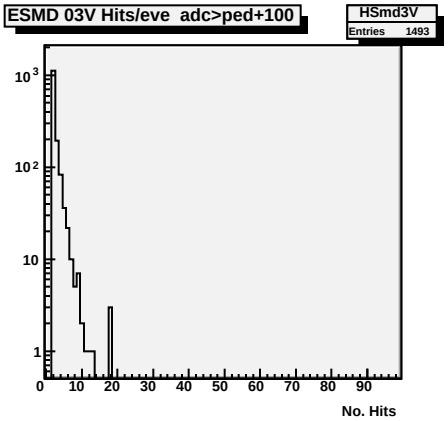
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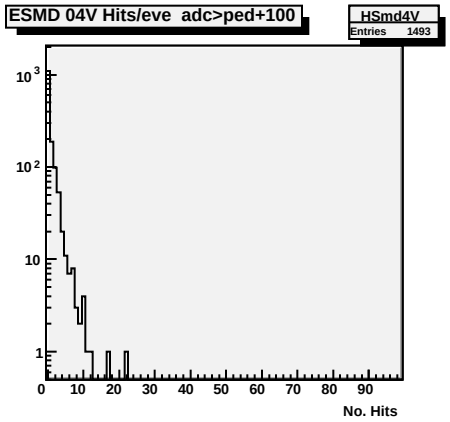
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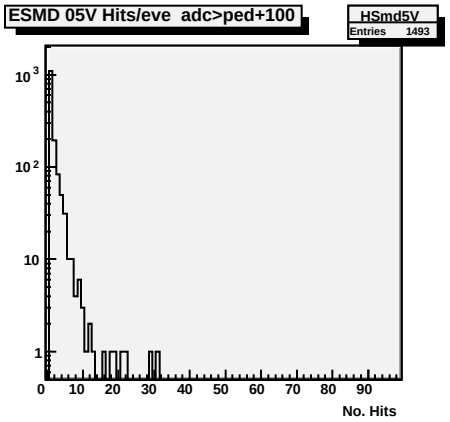
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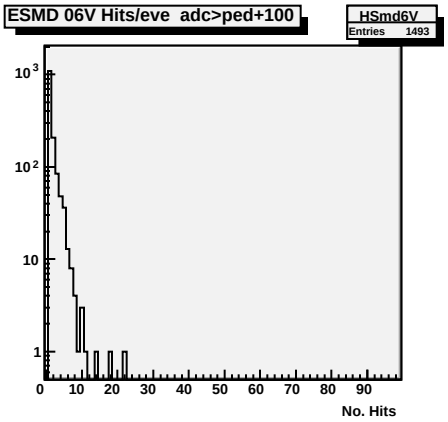
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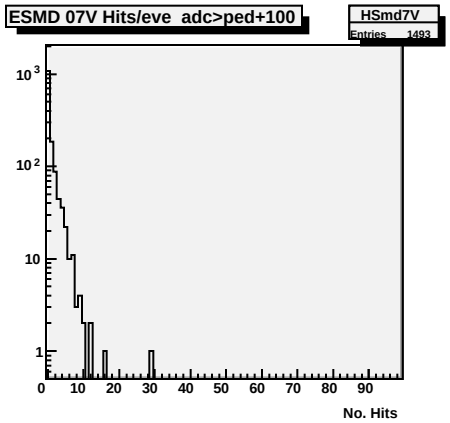
No. Hits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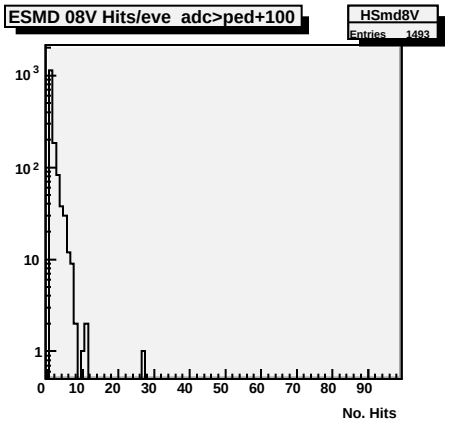
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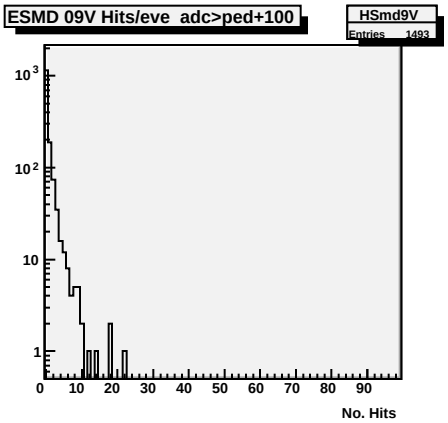
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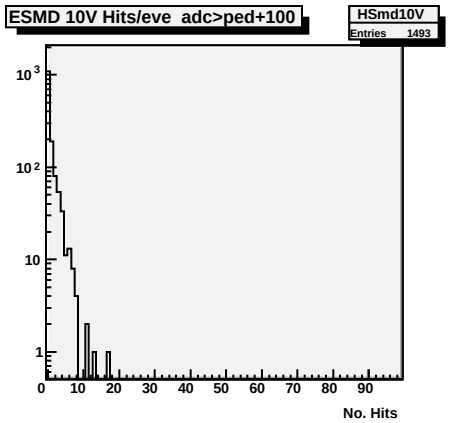
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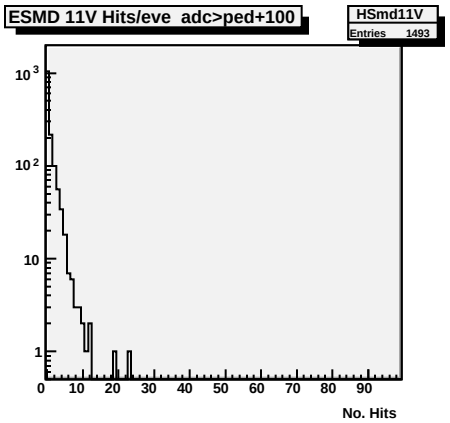
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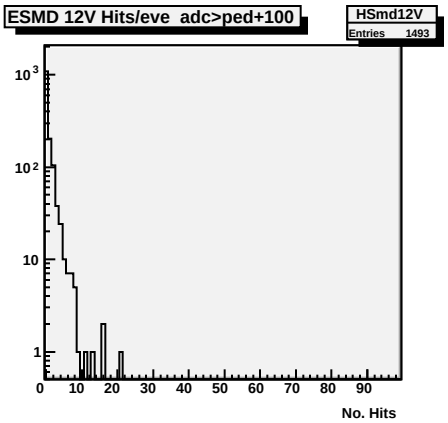
No. Hits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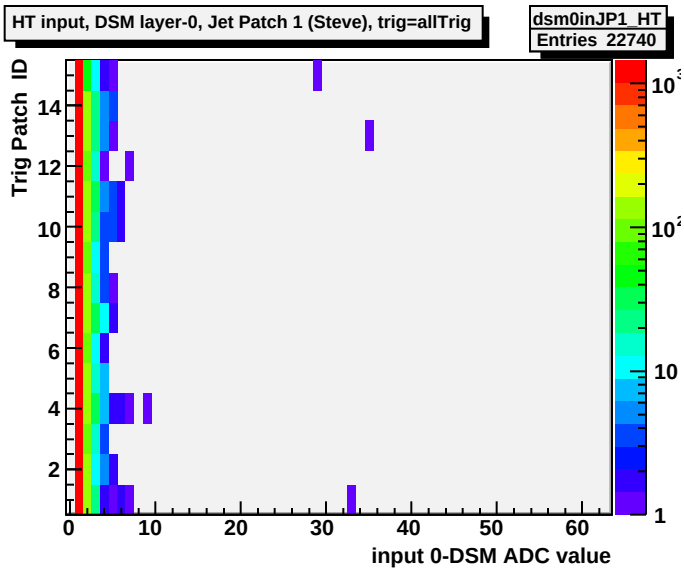
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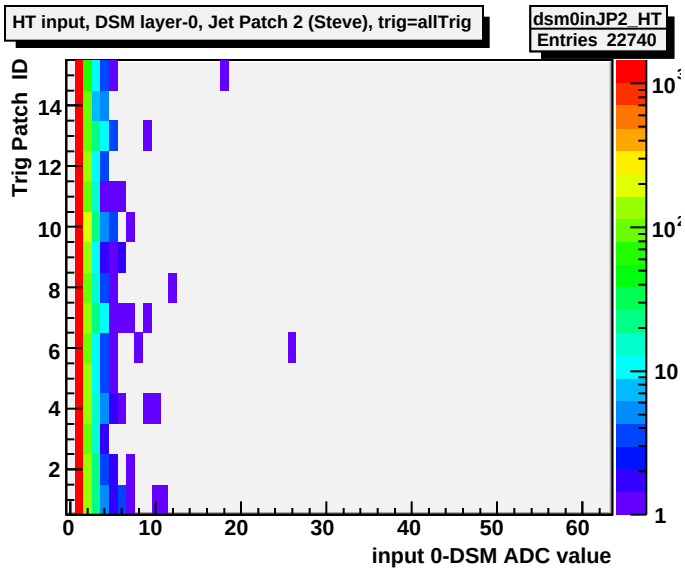
dsm0inJP1_HT
Entries 22740
Trig Patch ID
input 0-DSM ADC value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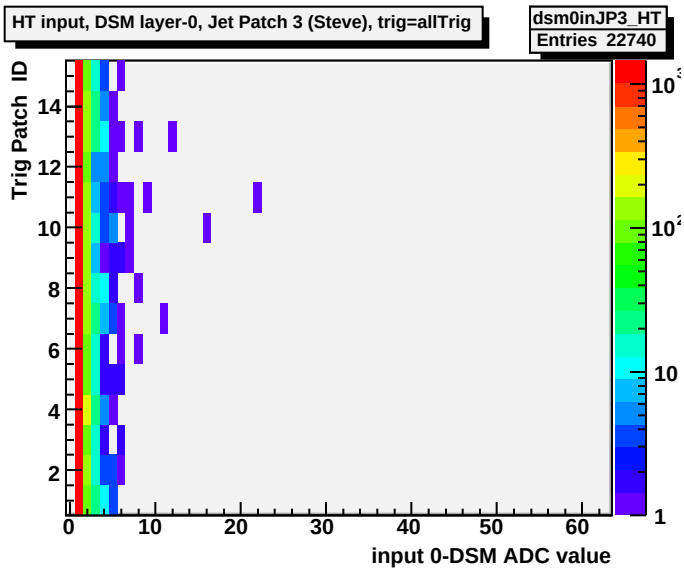
dsm0inJP2_HT
Entries 22740
Trig Patch ID
input 0-DSM ADC value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dsm0inJP3_HT
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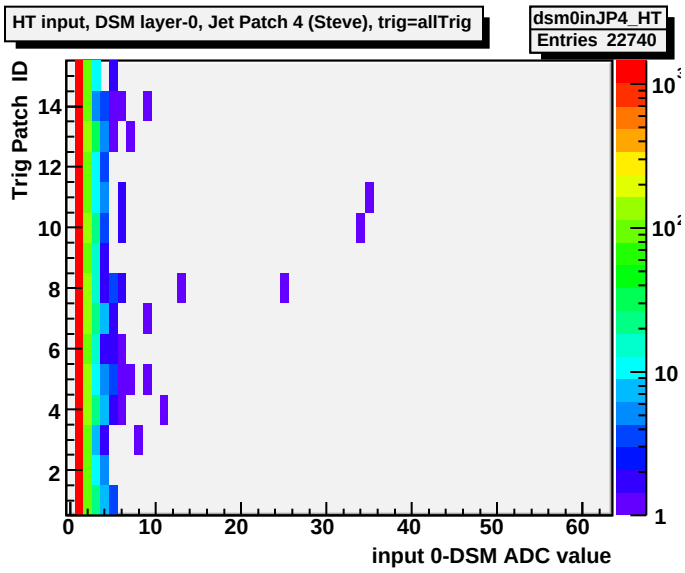
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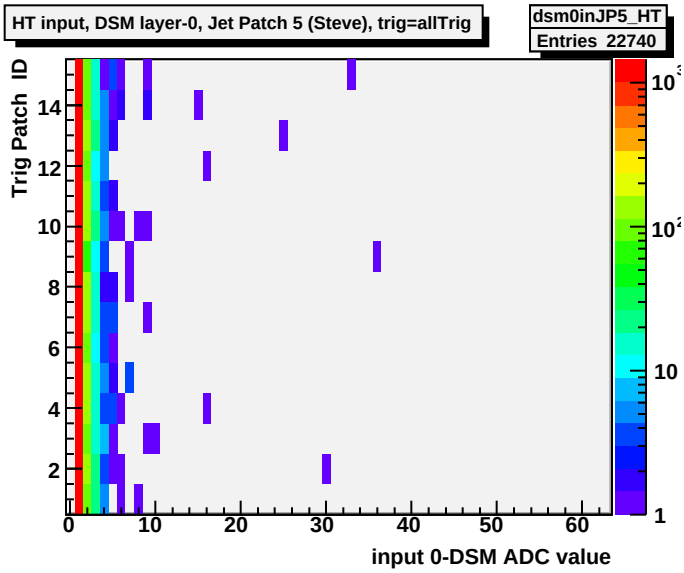
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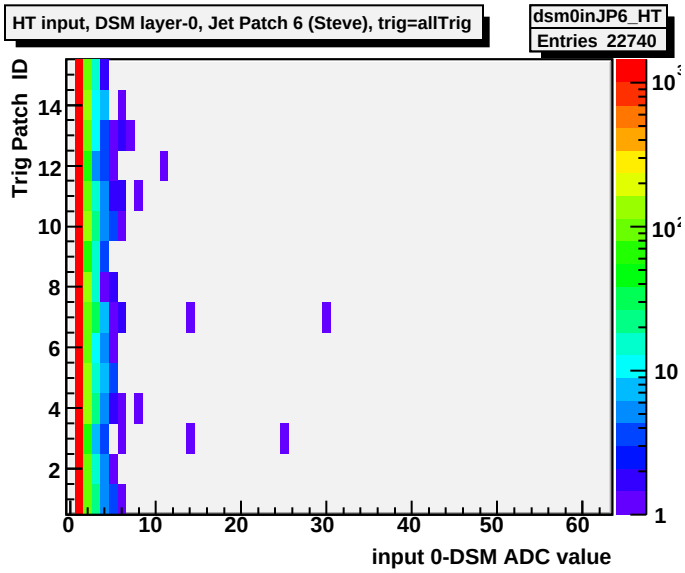
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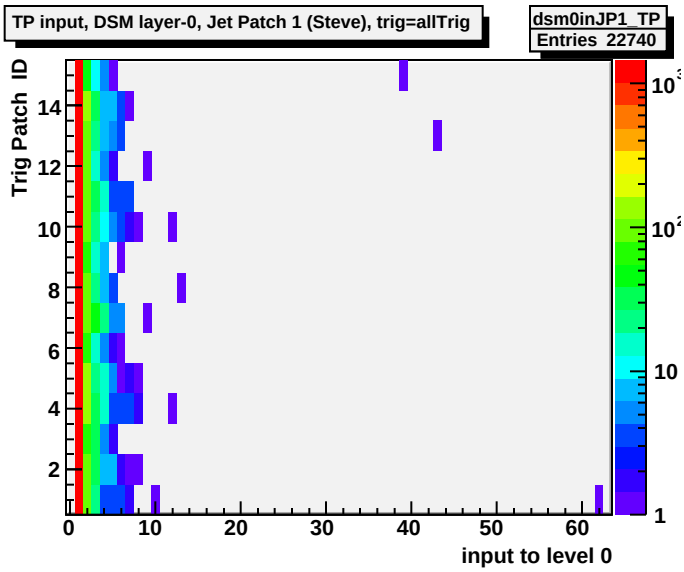
input 0-DSM ADC value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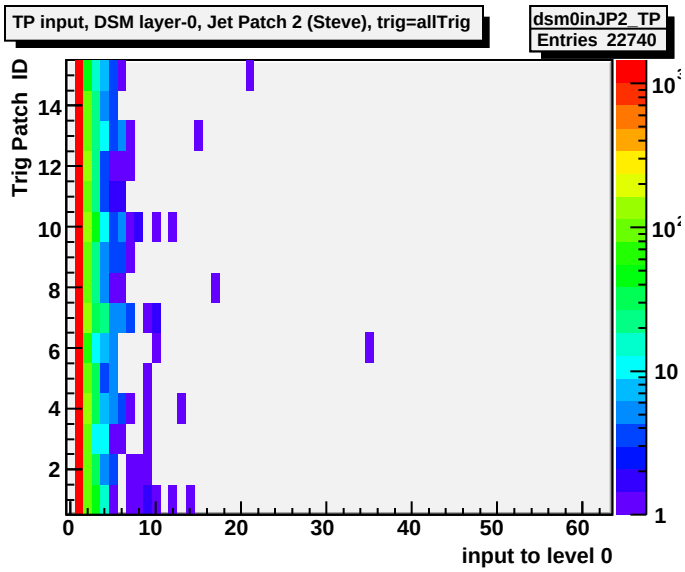
Trig Patch ID
input to level 0


TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
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Entries 22740
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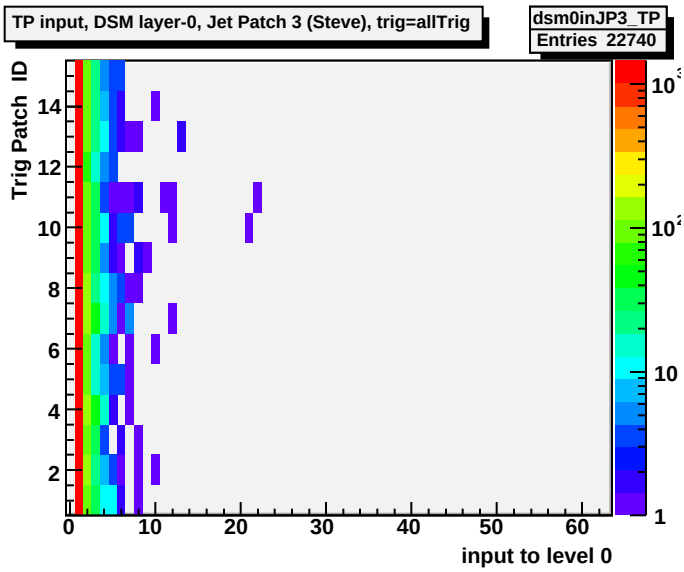
input to level 0


TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
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Entries 22740
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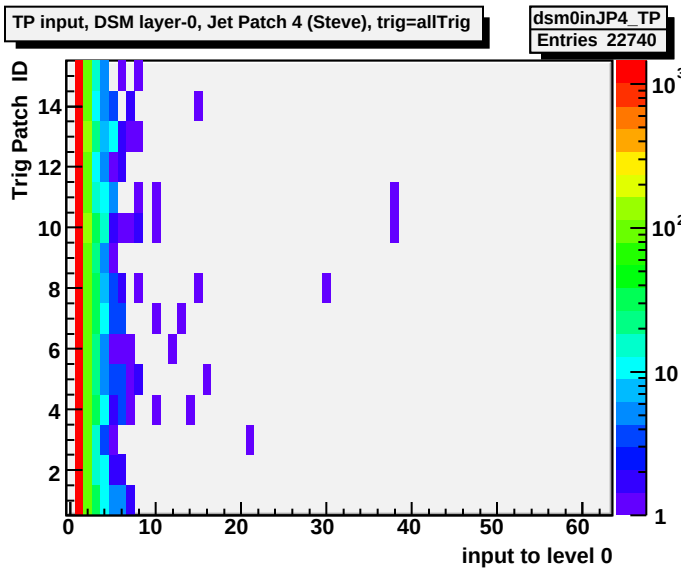
input to level 0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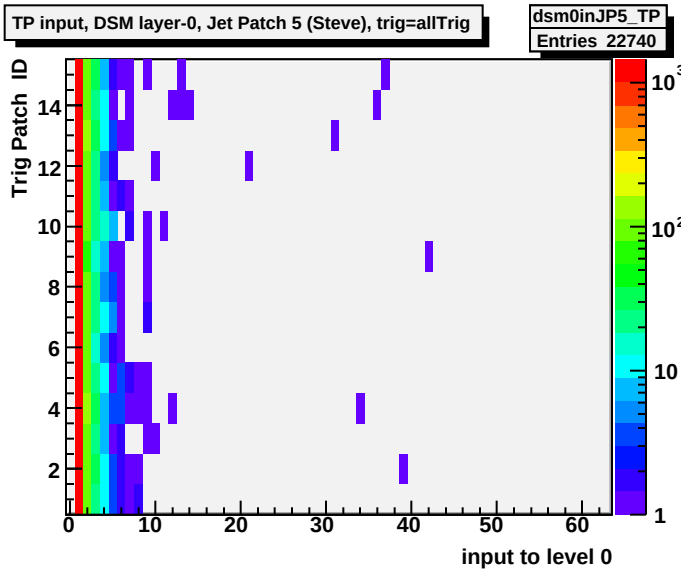
TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 22740
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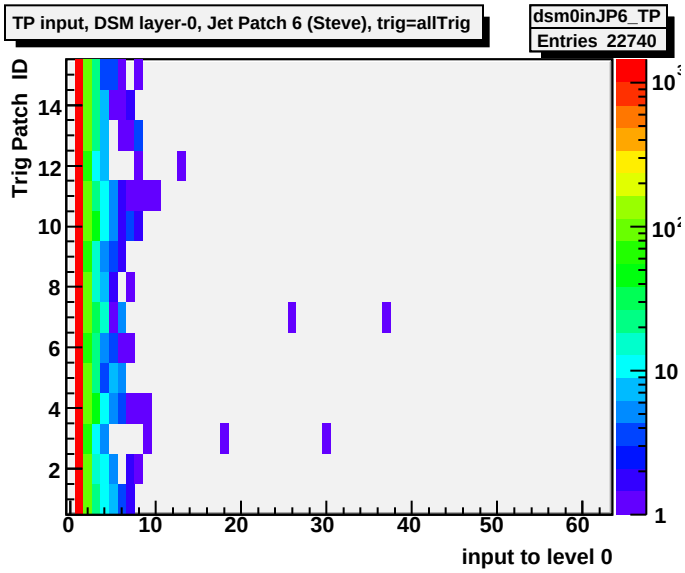
input to level 0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Entries 22740
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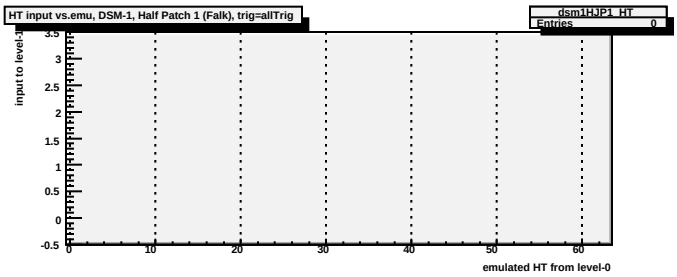
input to level 0


HT input vs.emu, DSM-1, Half Patch 1 (Falk), trig=allTrig
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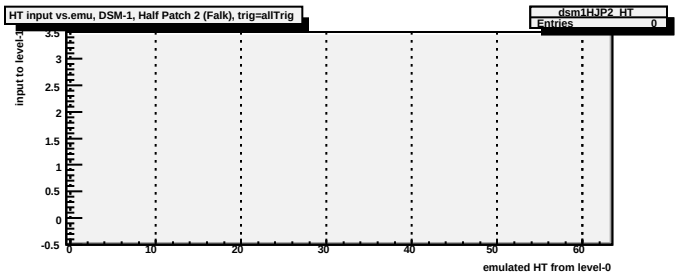
Entries 0
input to level-1
emulated HT from level-0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dsm1HJP2_HT
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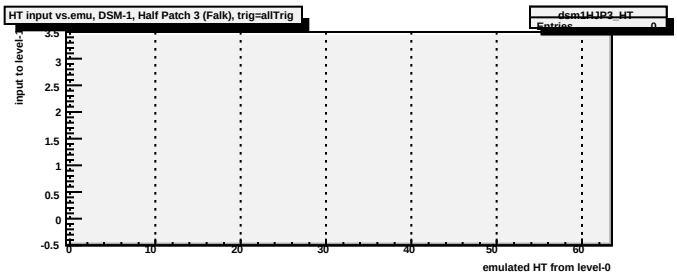
input to level-1
emulated HT from level-0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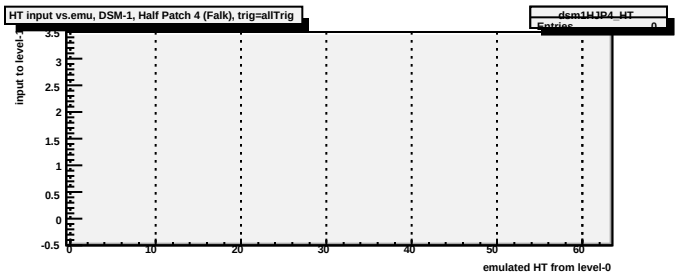
emulated HT from level-0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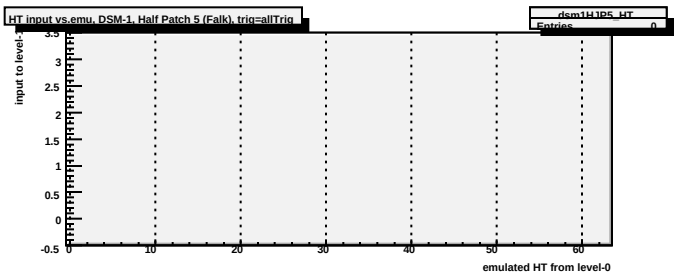
Entries 0
input to level-1
emulated HT from level-0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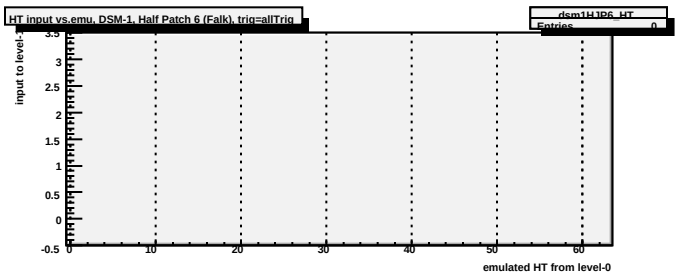
dsm1HJP5_HT
Entries 0
input to level-1
emulated HT from level-0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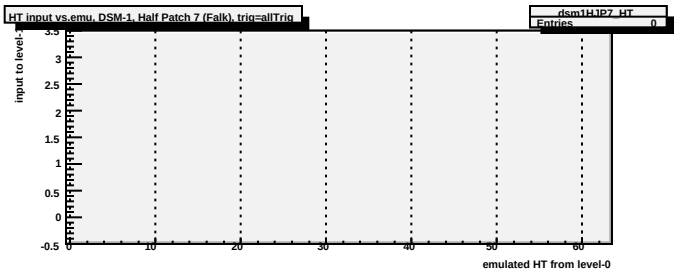
dsm1HJP6_HT
Entries 0
input to level-1
emulated HT from level-0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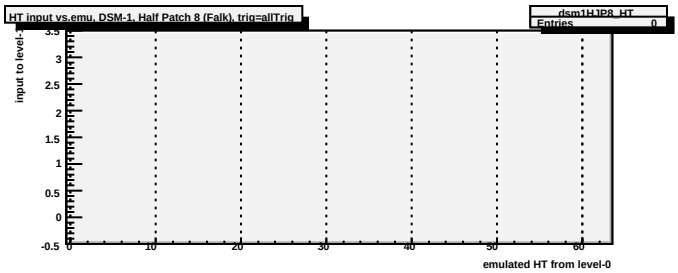
dsm1HJP7_HT
Entries 0
input to level-1
emulated HT from level-0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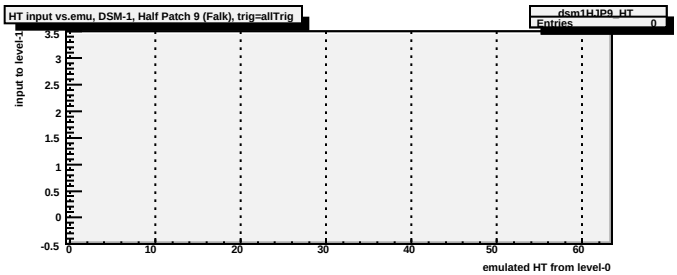
dsm1HJP8_HT
Entries 0
input to level-1
emulated HT from level-0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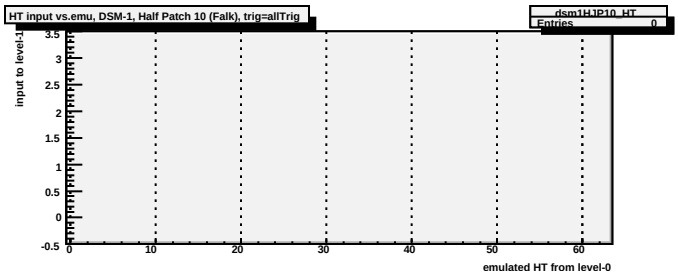
dsm1HJP9_HT
Entries 0
input to level-1
emulated HT from level-0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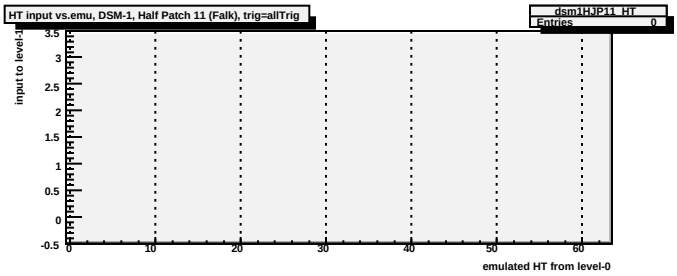
emulated HT from level-0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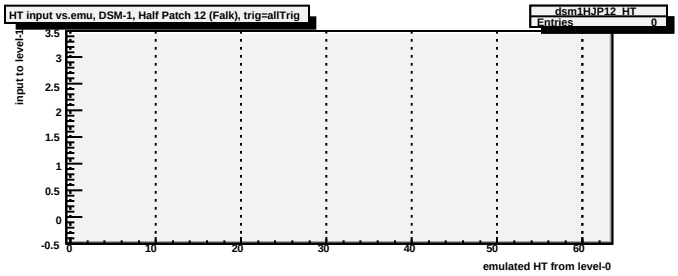
Entries 0
input to level-1
emulated HT from level-0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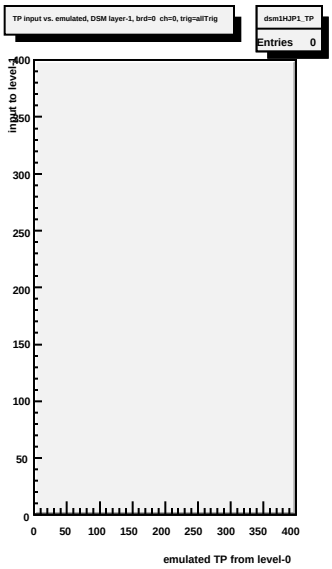
dsm1HJP12_HT
Entries 0
input to level-1
emulated HT from level-0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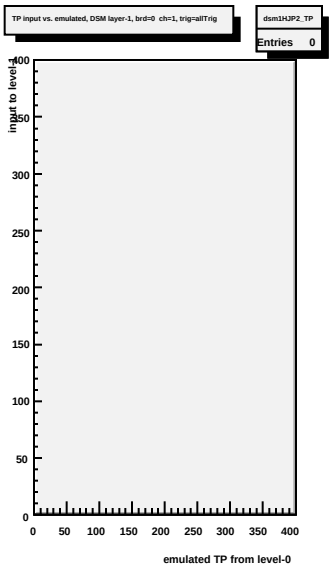
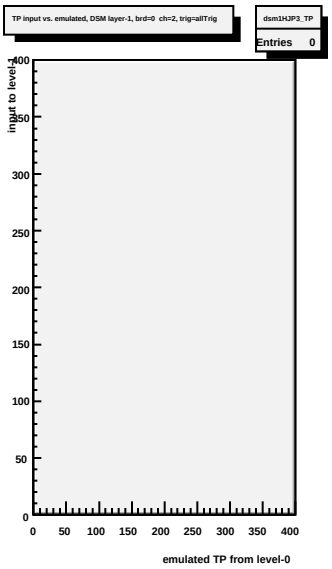
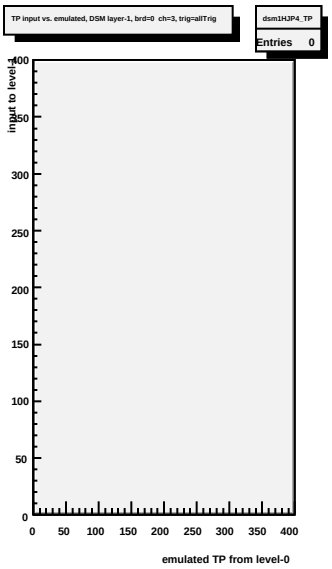
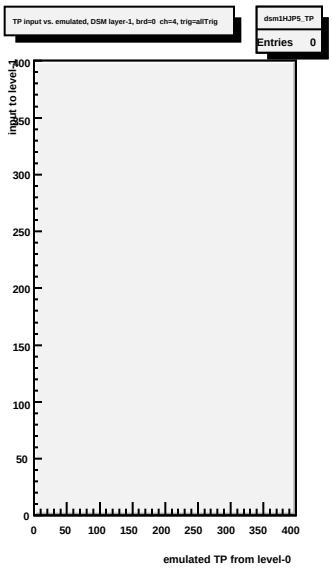
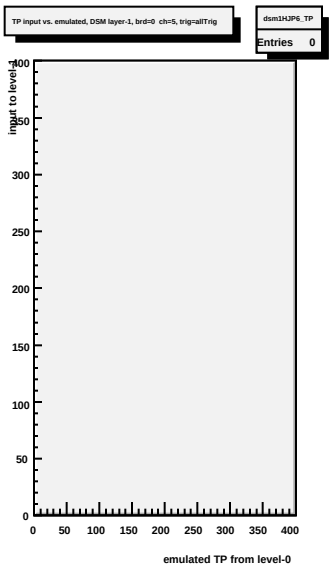
Entries 0
input to level-1
emulated TP from level-0

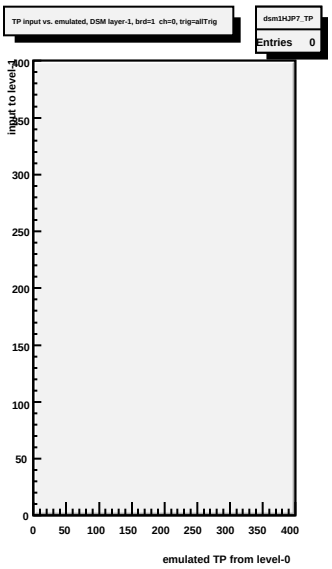

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

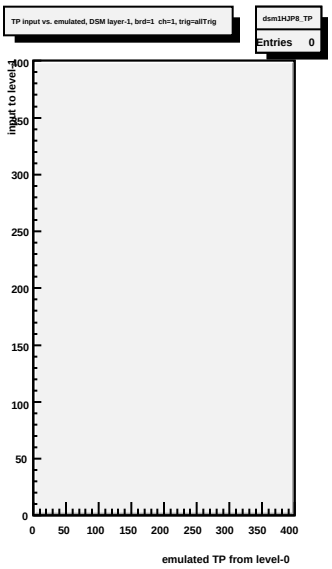

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

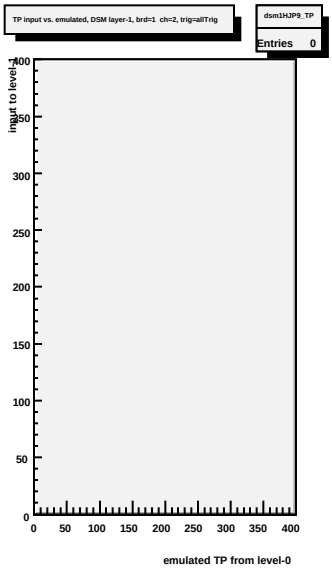

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

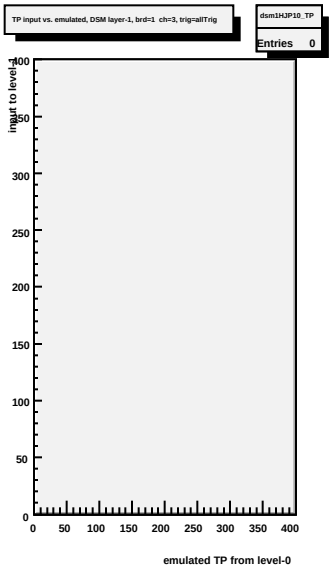

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

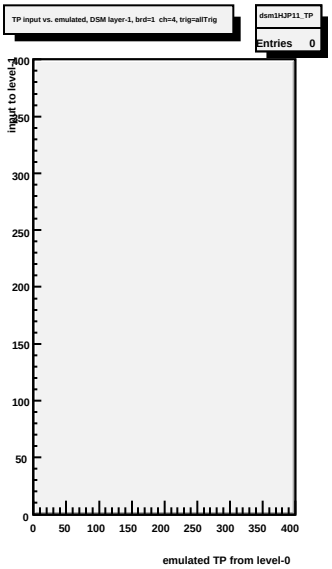

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

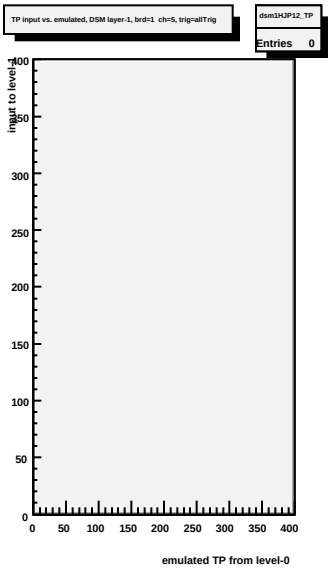

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

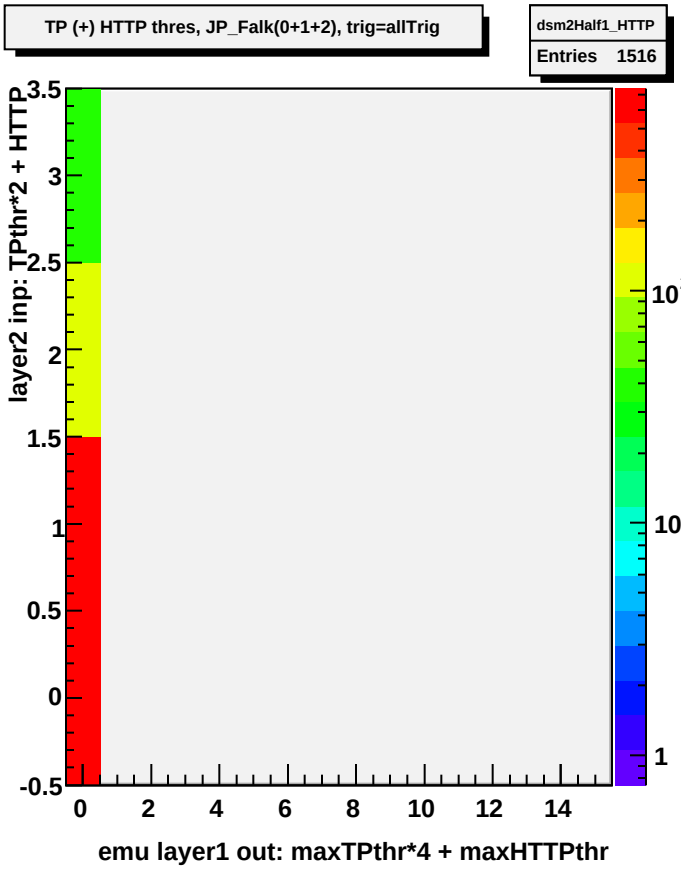

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

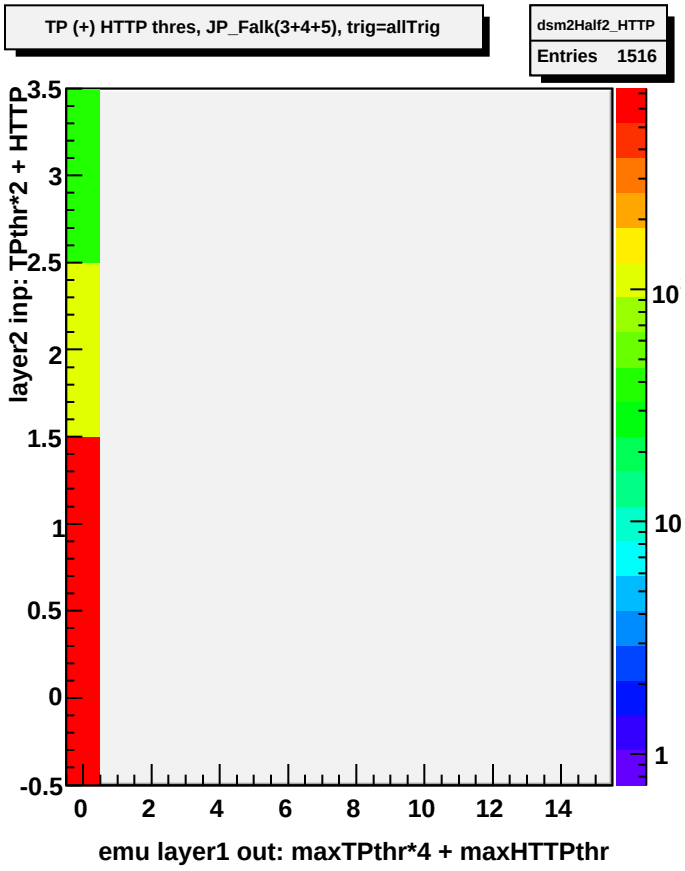

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

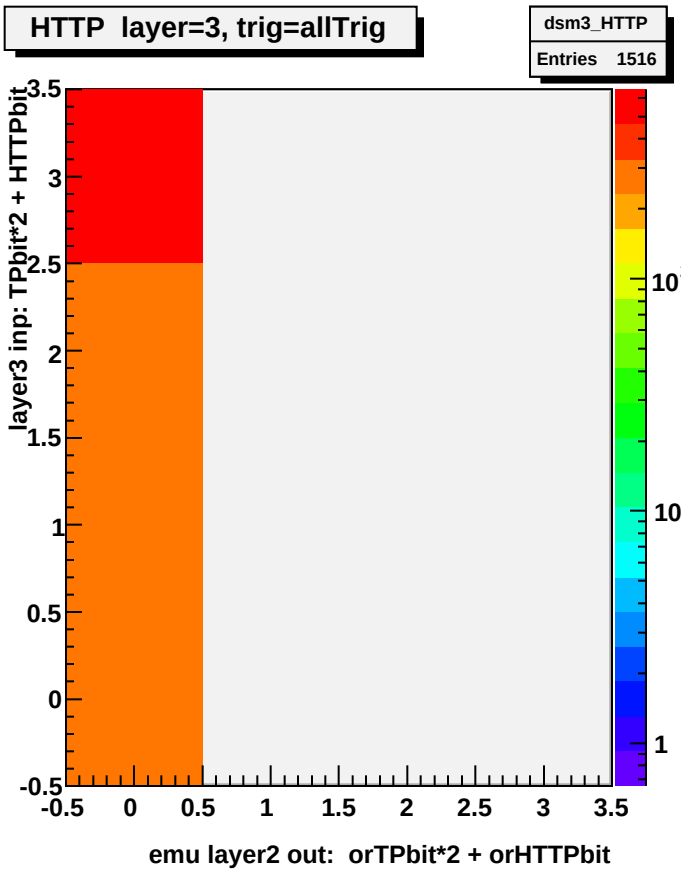

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

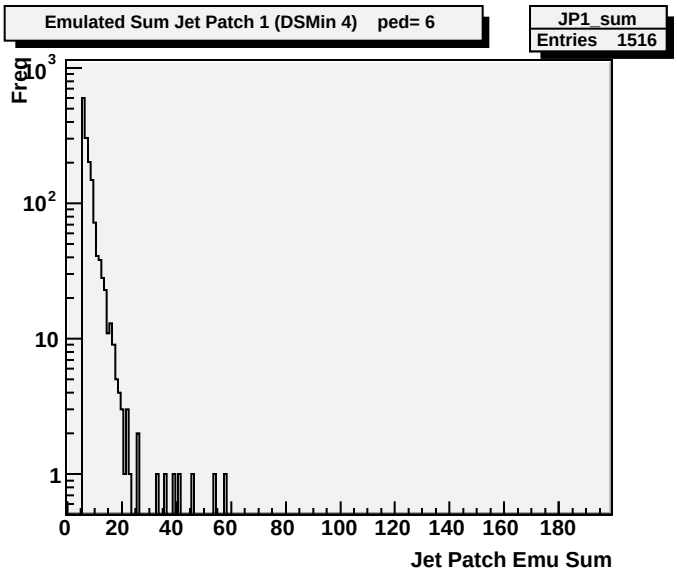

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

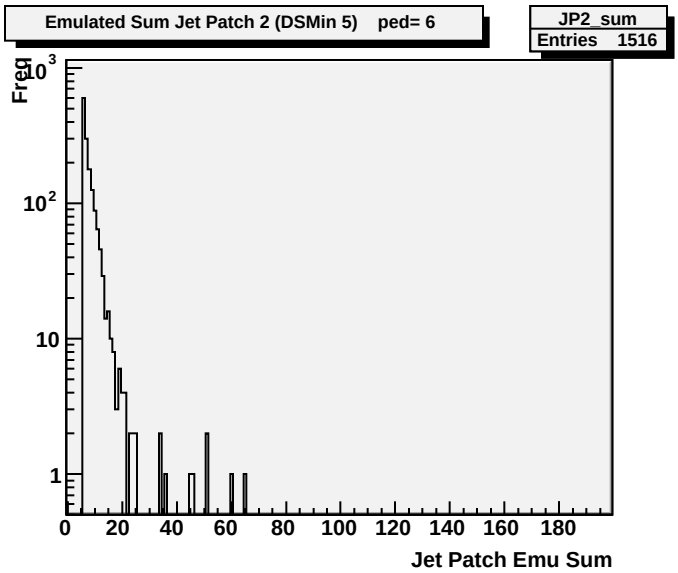

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

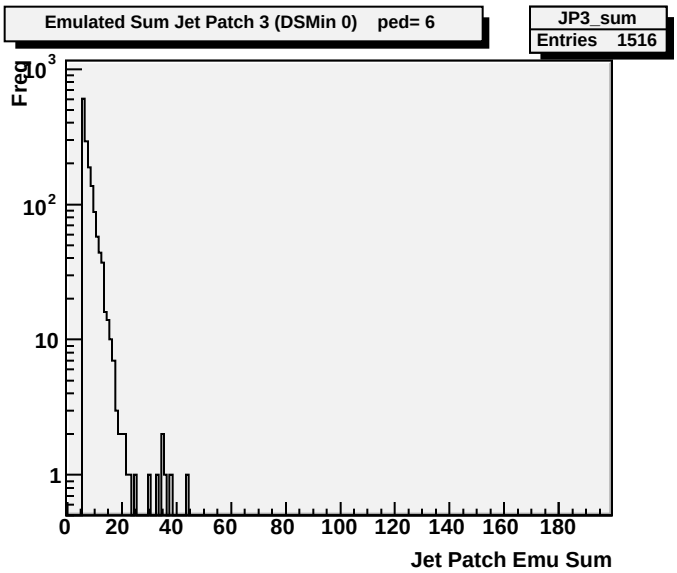

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 1516
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

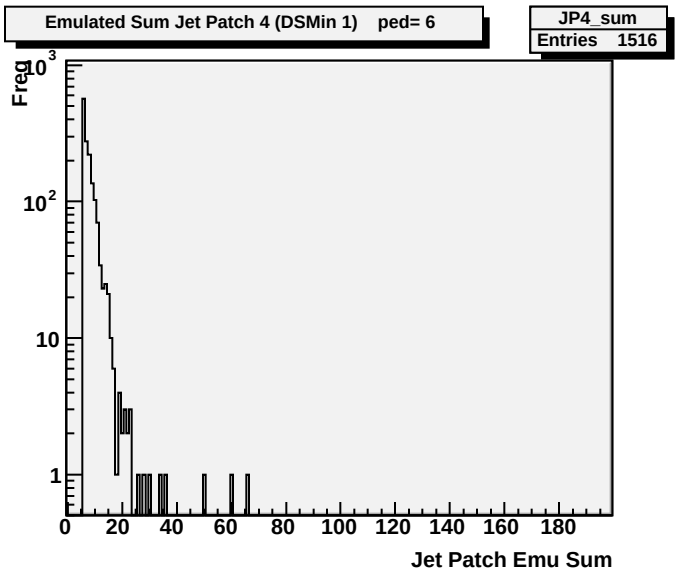

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 1516
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

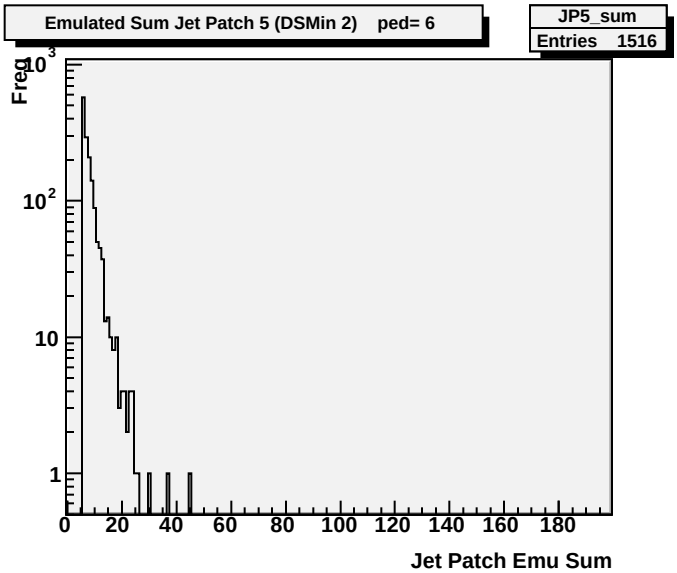

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 1516
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

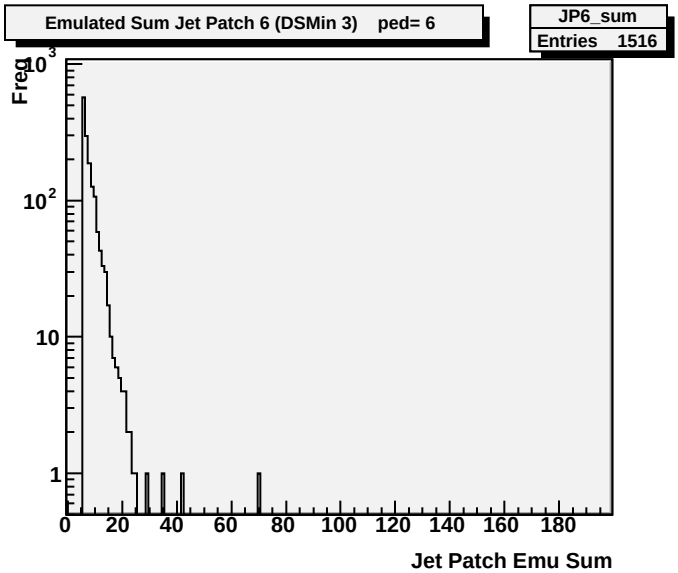

Emulated Sum Jet Patch 1 (DSMin 4) ped= 6
JP1_sum
Entries 1516
Freq
Jet Patch Emu Sum

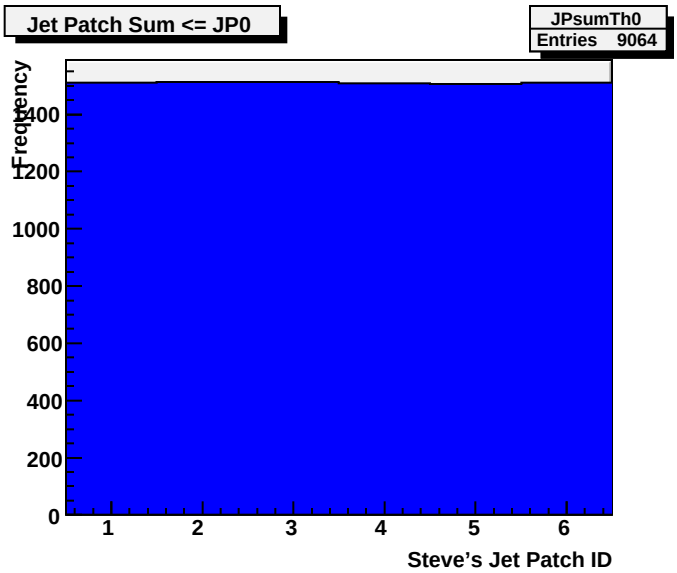

Emulated Sum Jet Patch 2 (DSMin 5) ped= 6
JP2_sum
Entries 1516
Freq
Jet Patch Emu Sum

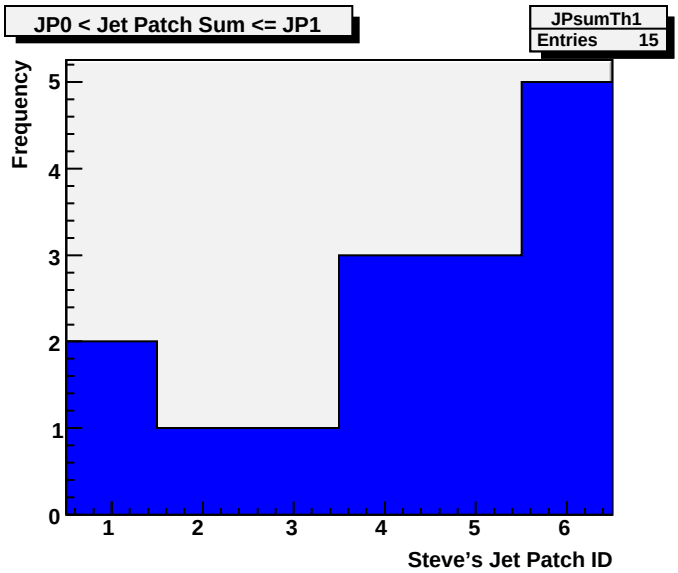

Emulated Sum Jet Patch 3 (DSMin 0) ped= 6
JP3_sum
Entries 1516
Freq
Jet Patch Emu Sum

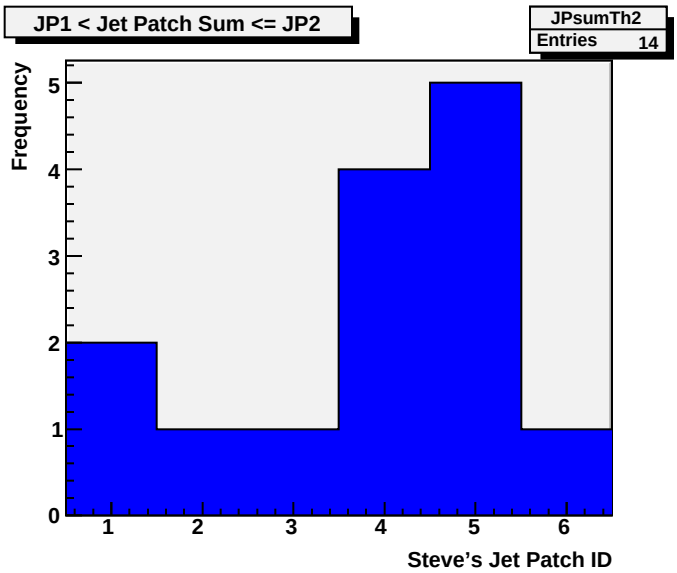

Emulated Sum Jet Patch 4 (DSMin 1) ped= 6
JP4_sum
Entries 1516
Freq
Jet Patch Emu Sum

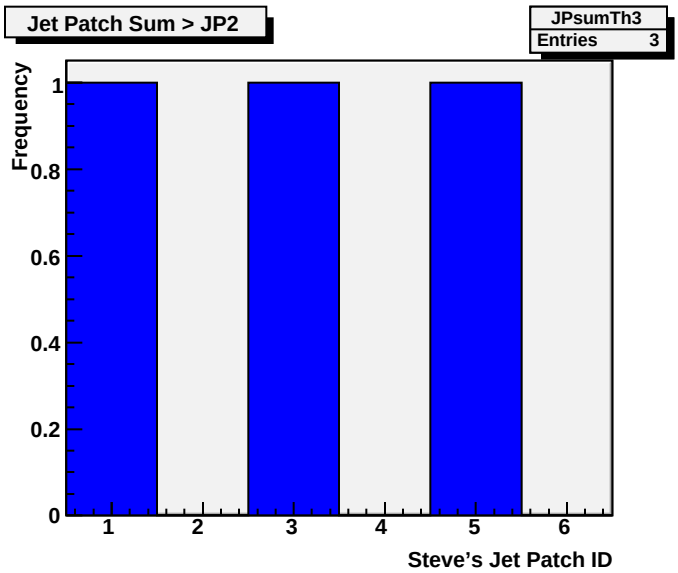

Emulated Sum Jet Patch 5 (DSMin 2) ped= 6
JP5_sum
Entries 1516
Freq
Jet Patch Emu Sum

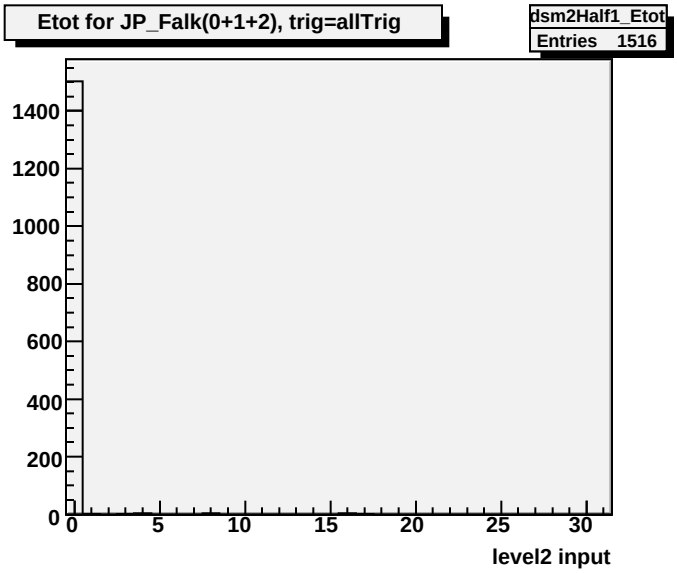

Emulated Sum Jet Patch 6 (DSMin 3) ped= 6
JP6_sum
Entries 1516
Freq
Jet Patch Emu Sum

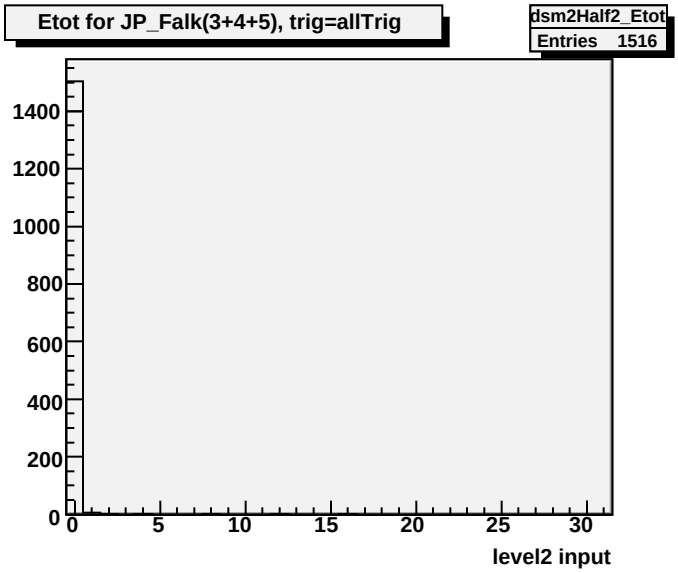

Jet Patch Sum <= JP0
JPsumTh0
Entries 9064
Frequency
Steve's Jet Patch ID

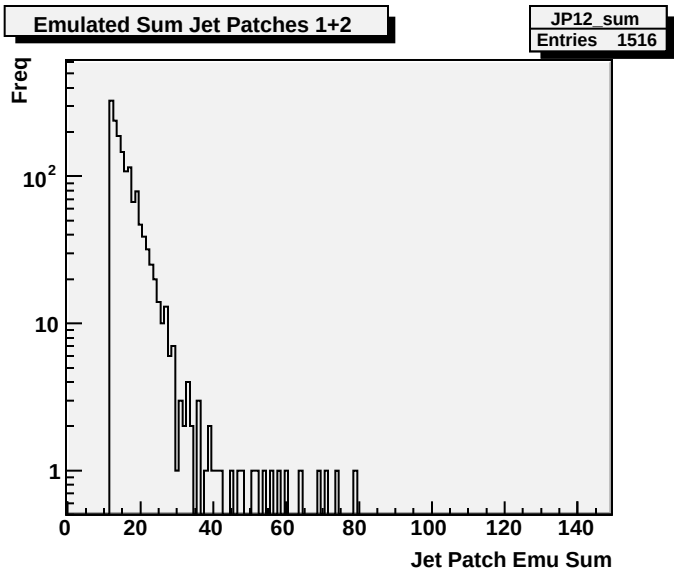

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 15
Frequency
Steve's Jet Patch ID

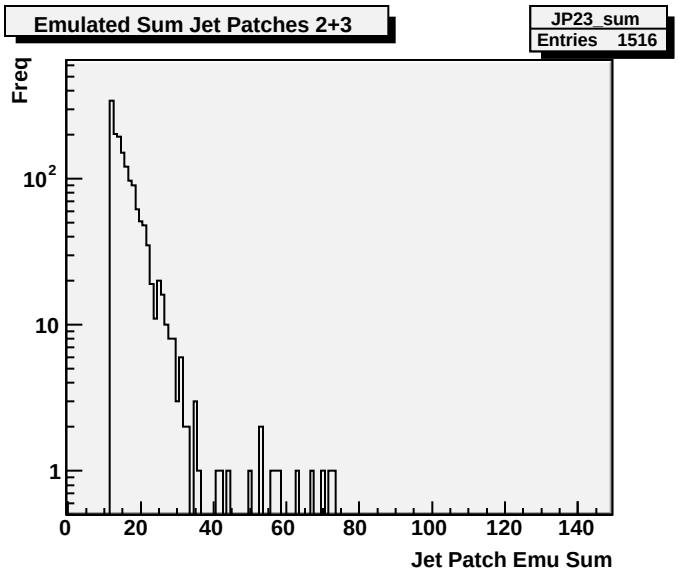

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 14
Frequency
Steve's Jet Patch ID

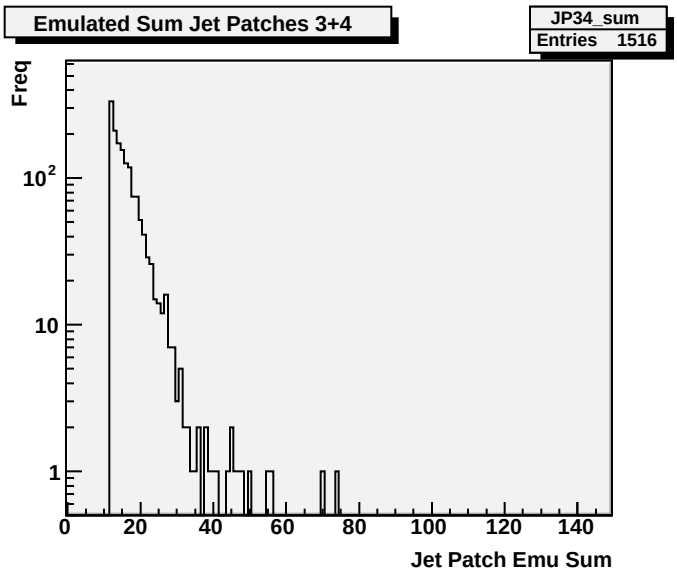

Jet Patch Sum > JP2
JPsumTh3
Entries 3
Frequency
Steve's Jet Patch ID

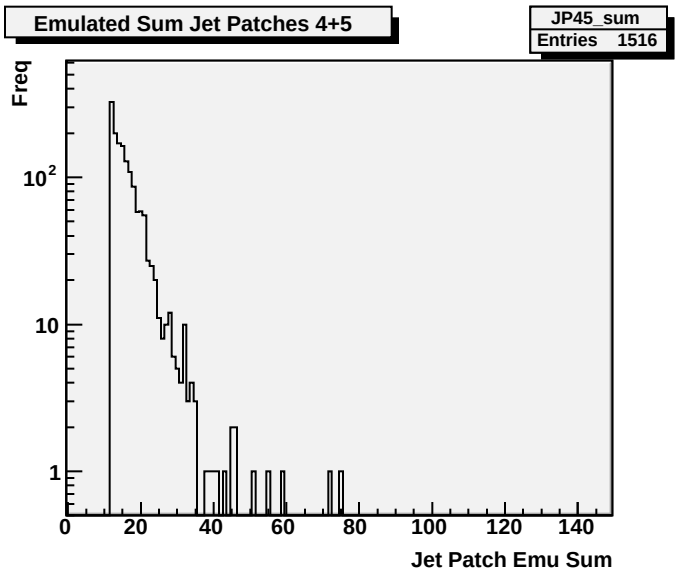

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 1516
level2 input

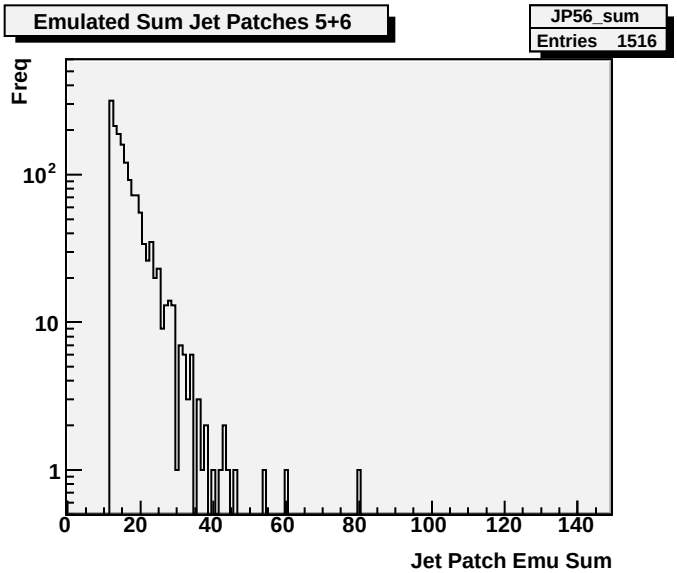

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 1516
level2 input

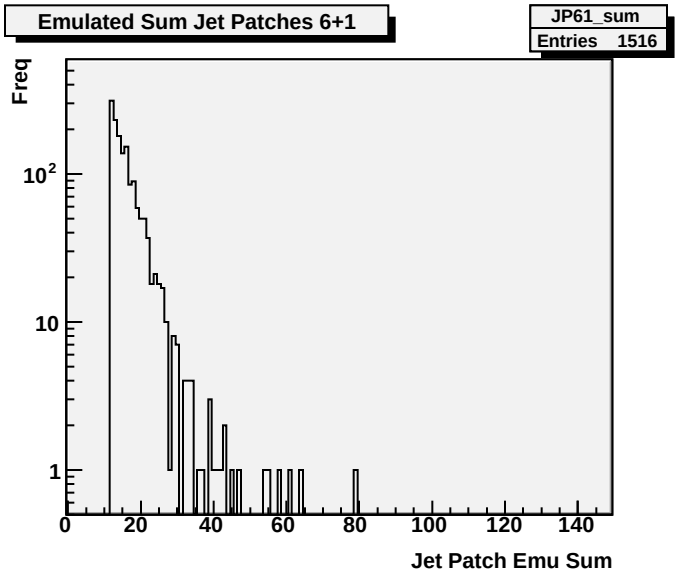

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 1516
Freq
Jet Patch Emu Sum

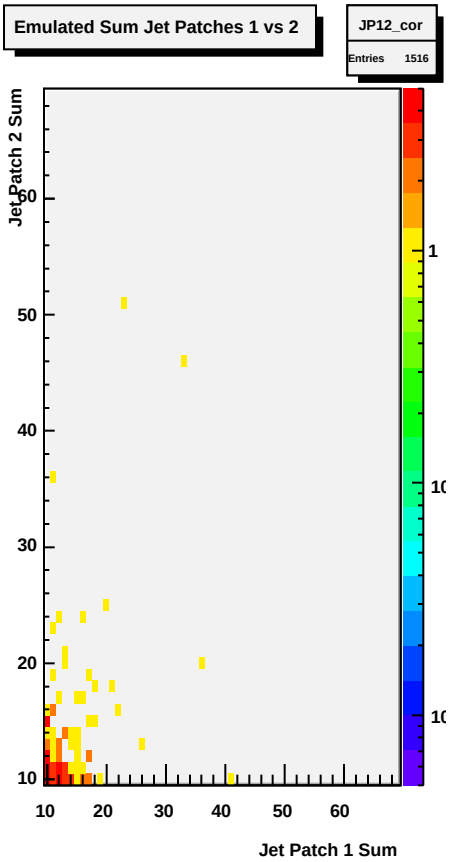

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 1516
Freq
Jet Patch Emu Sum

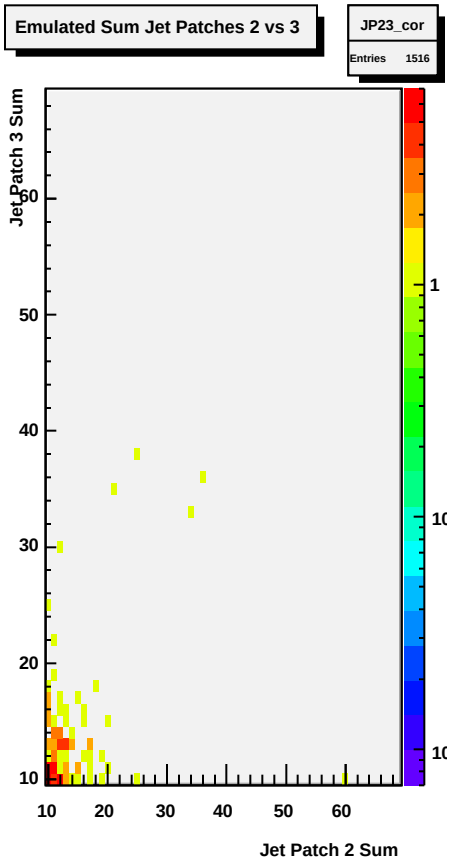

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 1516
Freq
Jet Patch Emu Sum

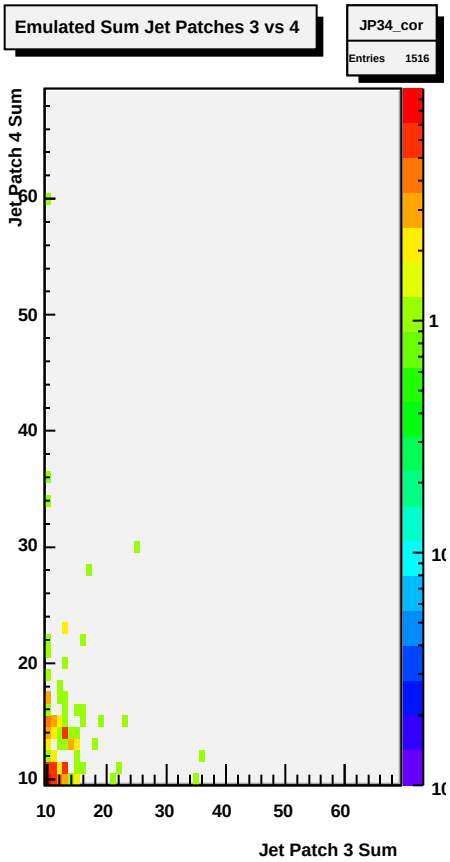

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 1516
Freq
Jet Patch Emu Sum

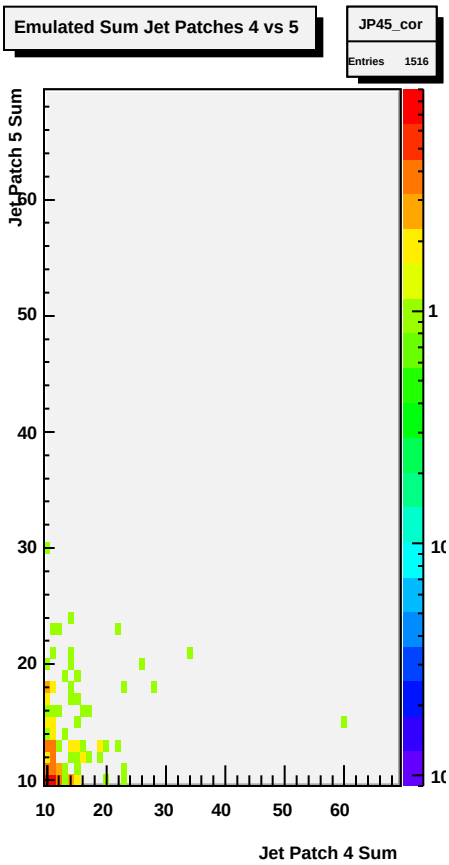

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 1516
Freq
Jet Patch Emu Sum

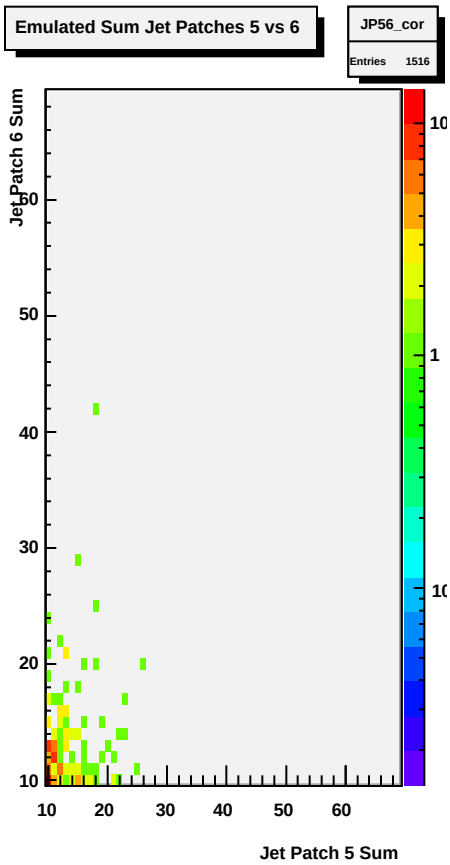

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 1516
Freq
Jet Patch Emu Sum

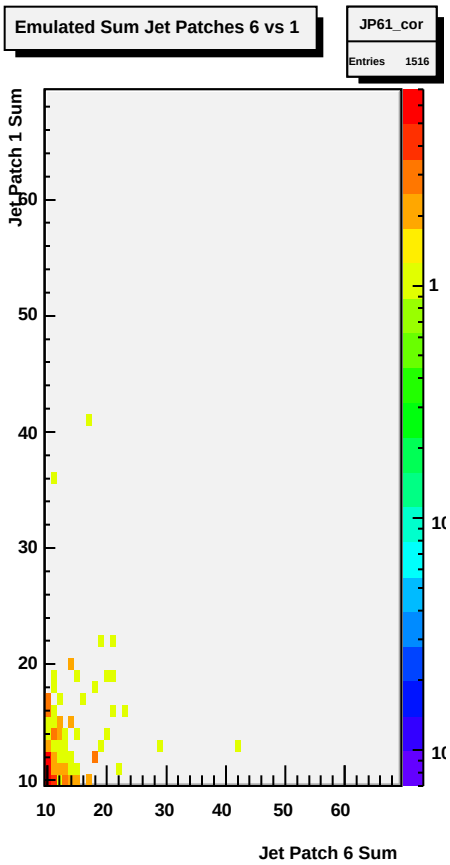

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 1516
Jet Patch 2 Sum
Jet Patch 1 Sum

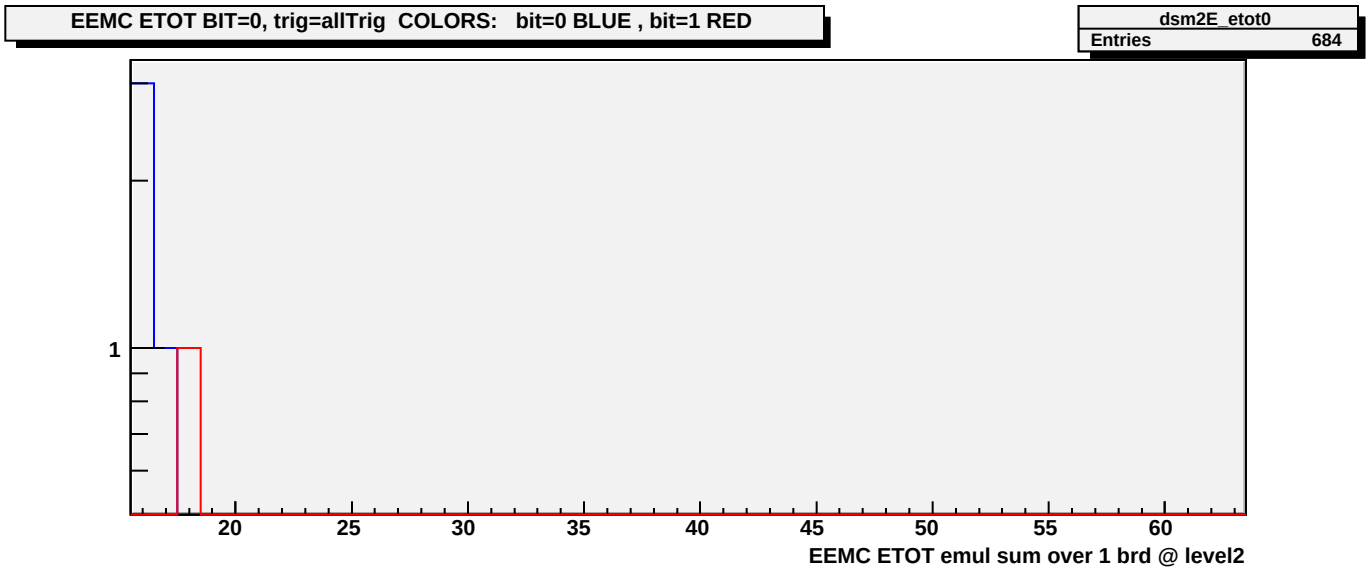

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 1516
Jet Patch 3 Sum
Jet Patch 2 Sum

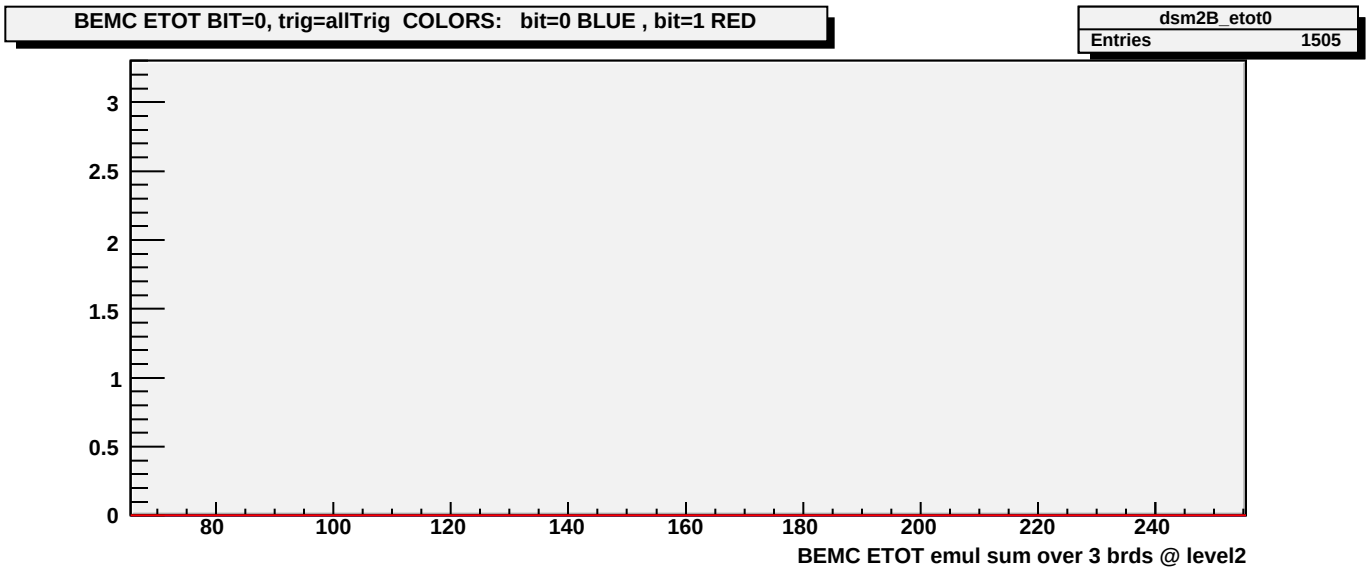

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 1516
Jet Patch 4 Sum
Jet Patch 3 Sum

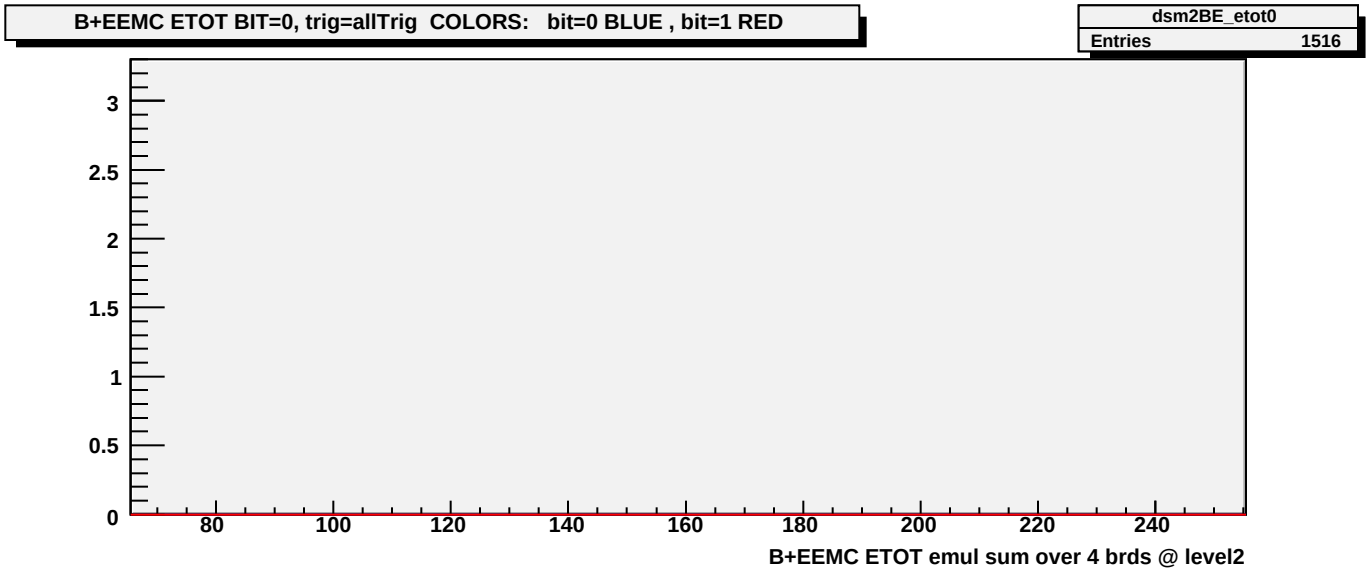

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 1516
Jet Patch 5 Sum
Jet Patch 4 Sum

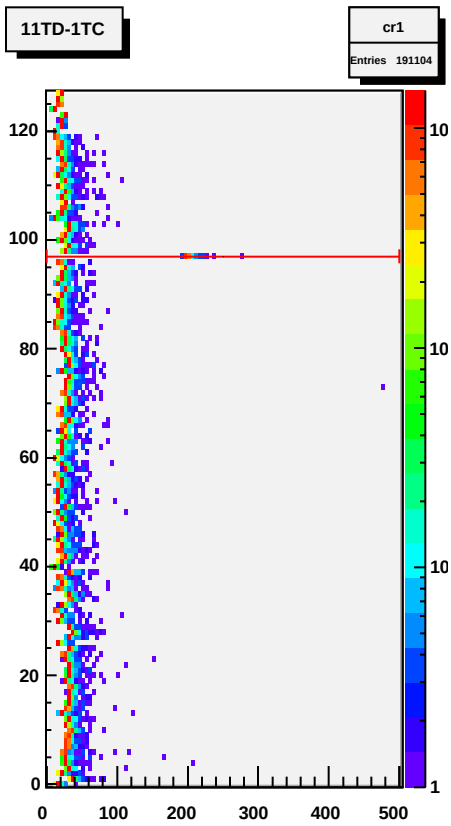

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 1516
Jet Patch 6 Sum
Jet Patch 5 Sum

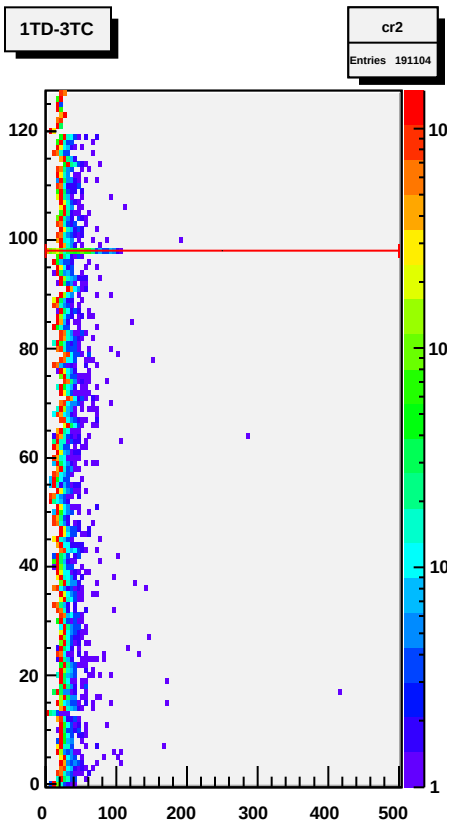

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 1516
Jet Patch 1 Sum
Jet Patch 6 Sum

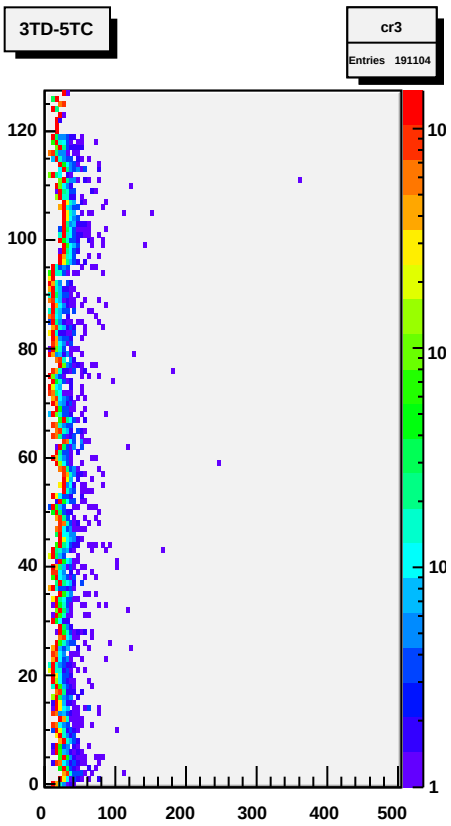

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 684
1
20 25 30 35 40 45 50 55 60
EEMC ETOT emul sum over 1 brd @ level2

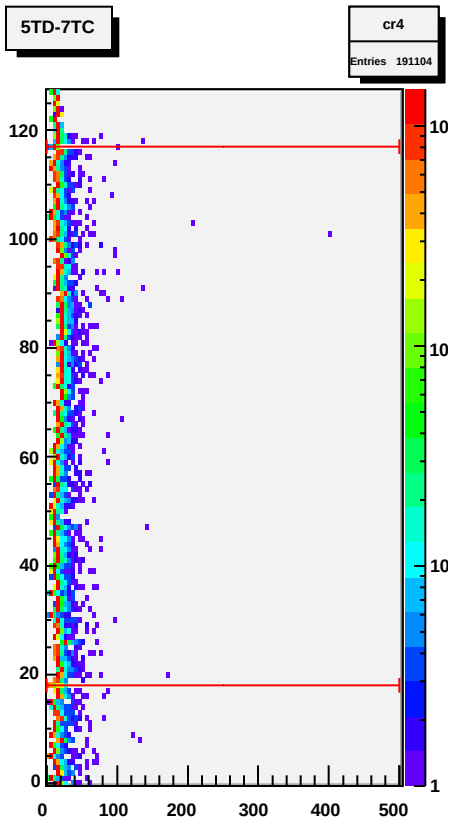

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 1505
3 2.5 2 1.5 1 0.5 0
80 100 120 140 160 180 200 220 240
BEMC ETOT emul sum over 3 brds @ level2

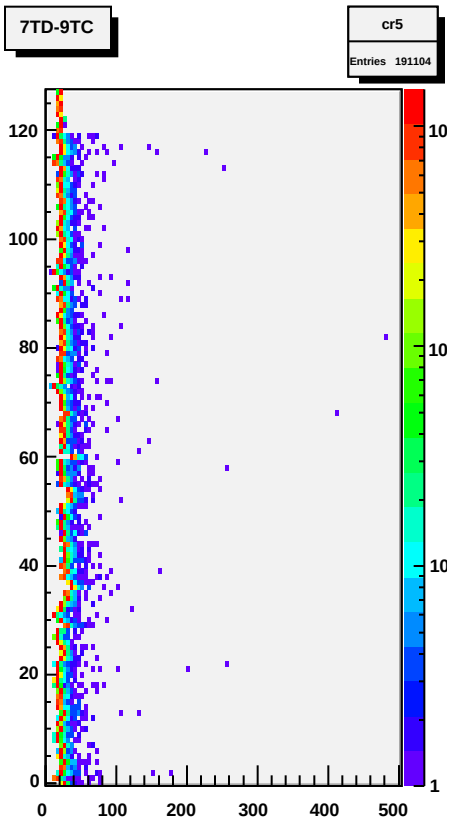

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 1516
3 2.5 2 1.5 1 0.5 0
80 100 120 140 160 180 200 220 240
B+EEMC ETOT emul sum over 4 brds @ level2

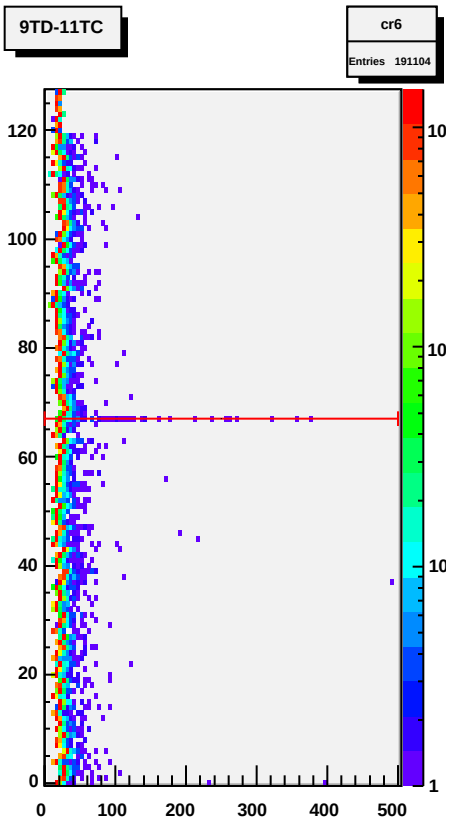

11TD-1TC
cr1
Entries 191104

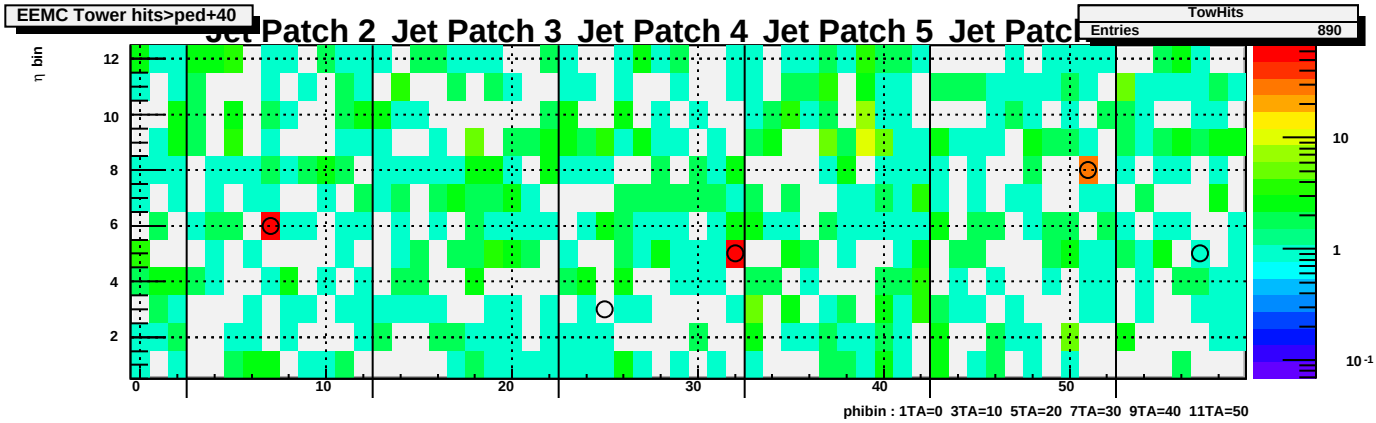

1TD-3TC
cr2
Entries 191104

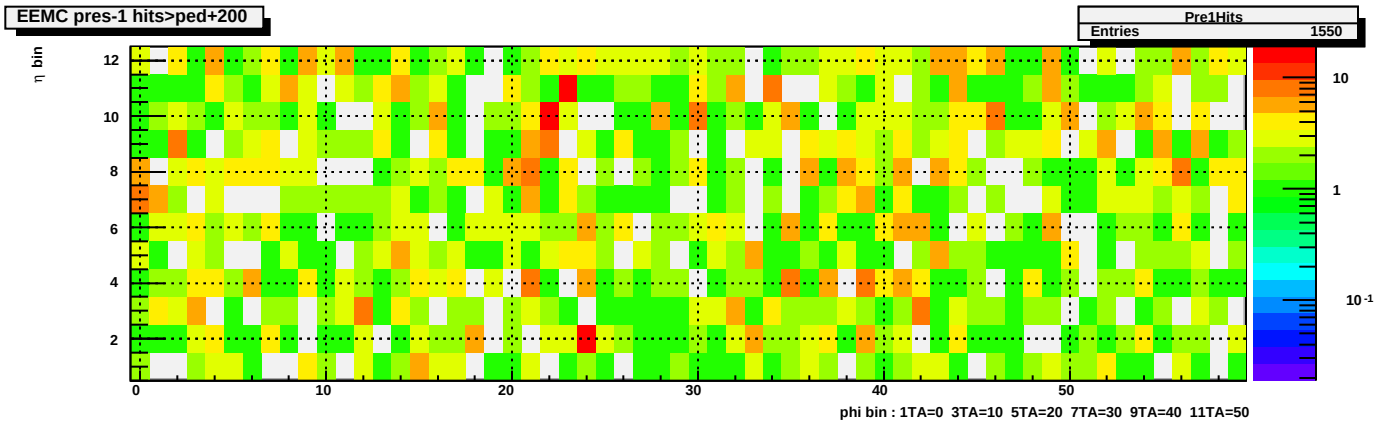

3TD-5TC
cr3
Entries 191104

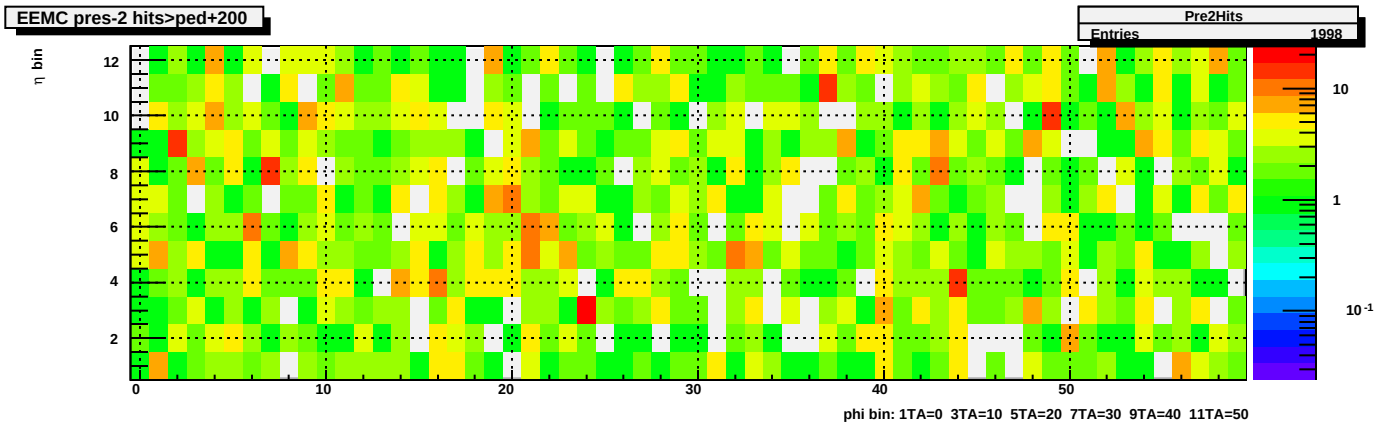

5TD-7TC
cr4
Entries 191104

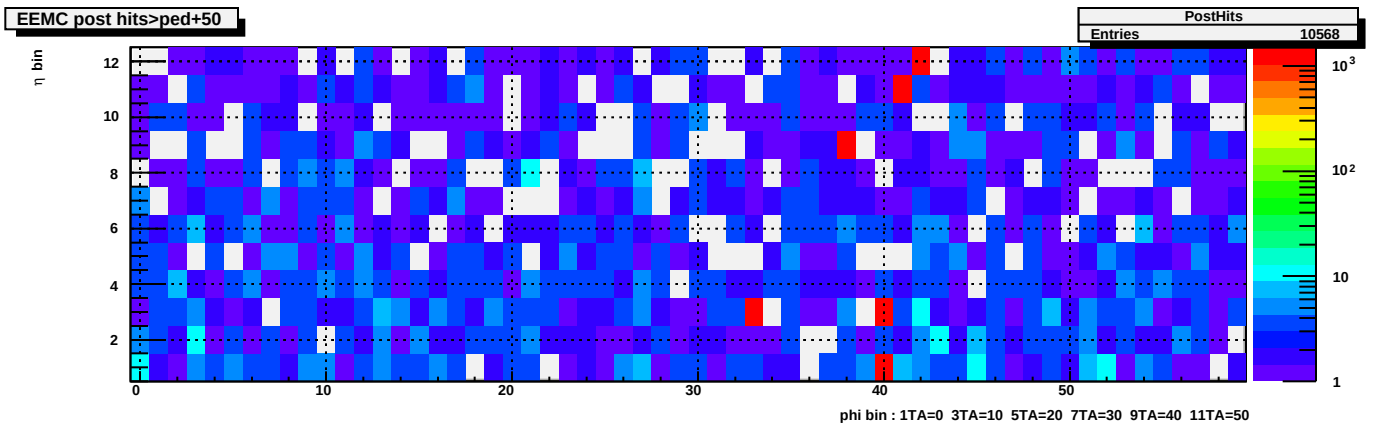

7TD-9TC
cr5
Entries 191104

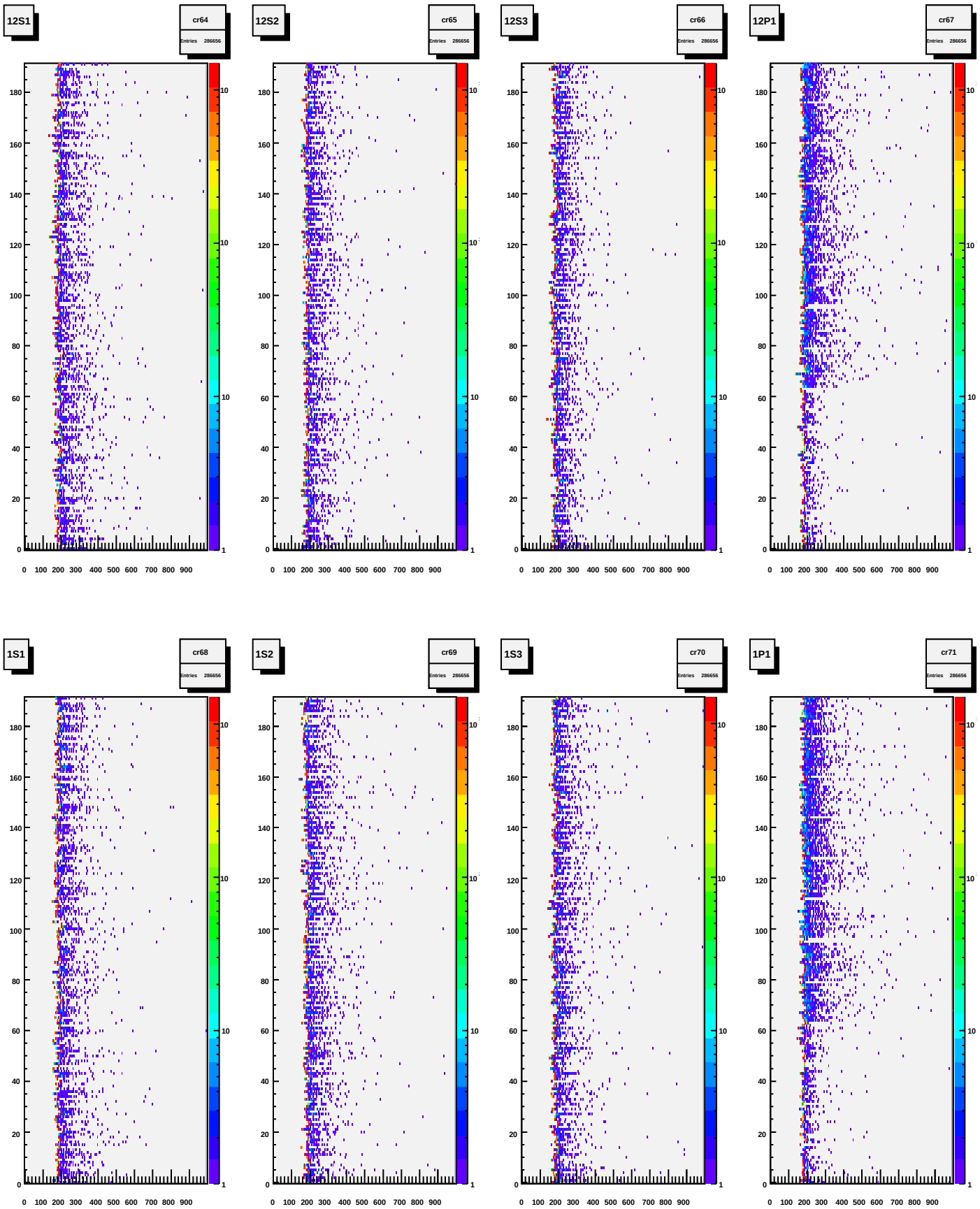

9TD-11TC
cr6
Entries 191104

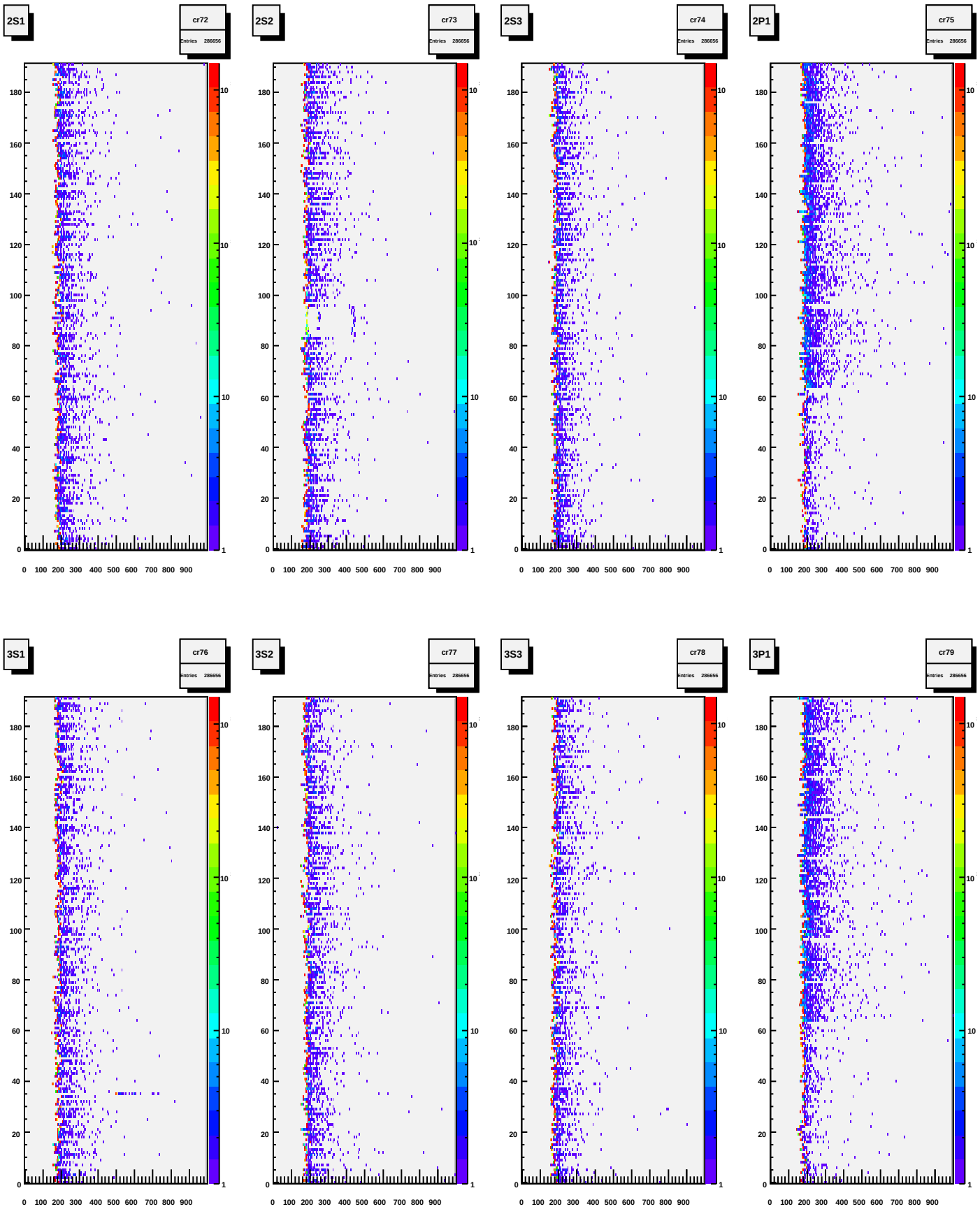

EEMC Tower hits>ped+40
Jet Patch 2 Jet Patch 3 Jet Patch 4 Jet Patch 5 Jet Patc
TowHits
Entries 890
η bin
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

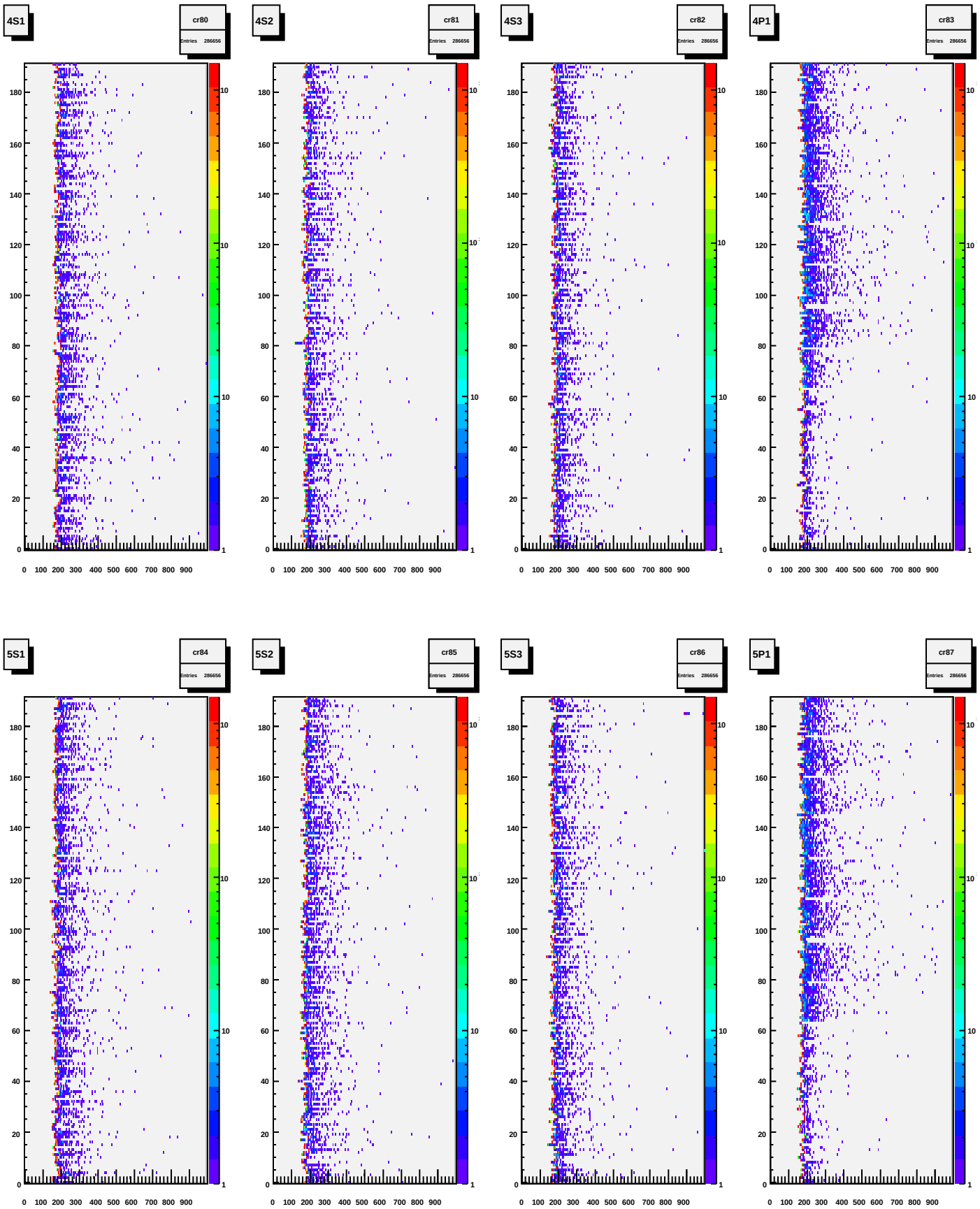

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 1550
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

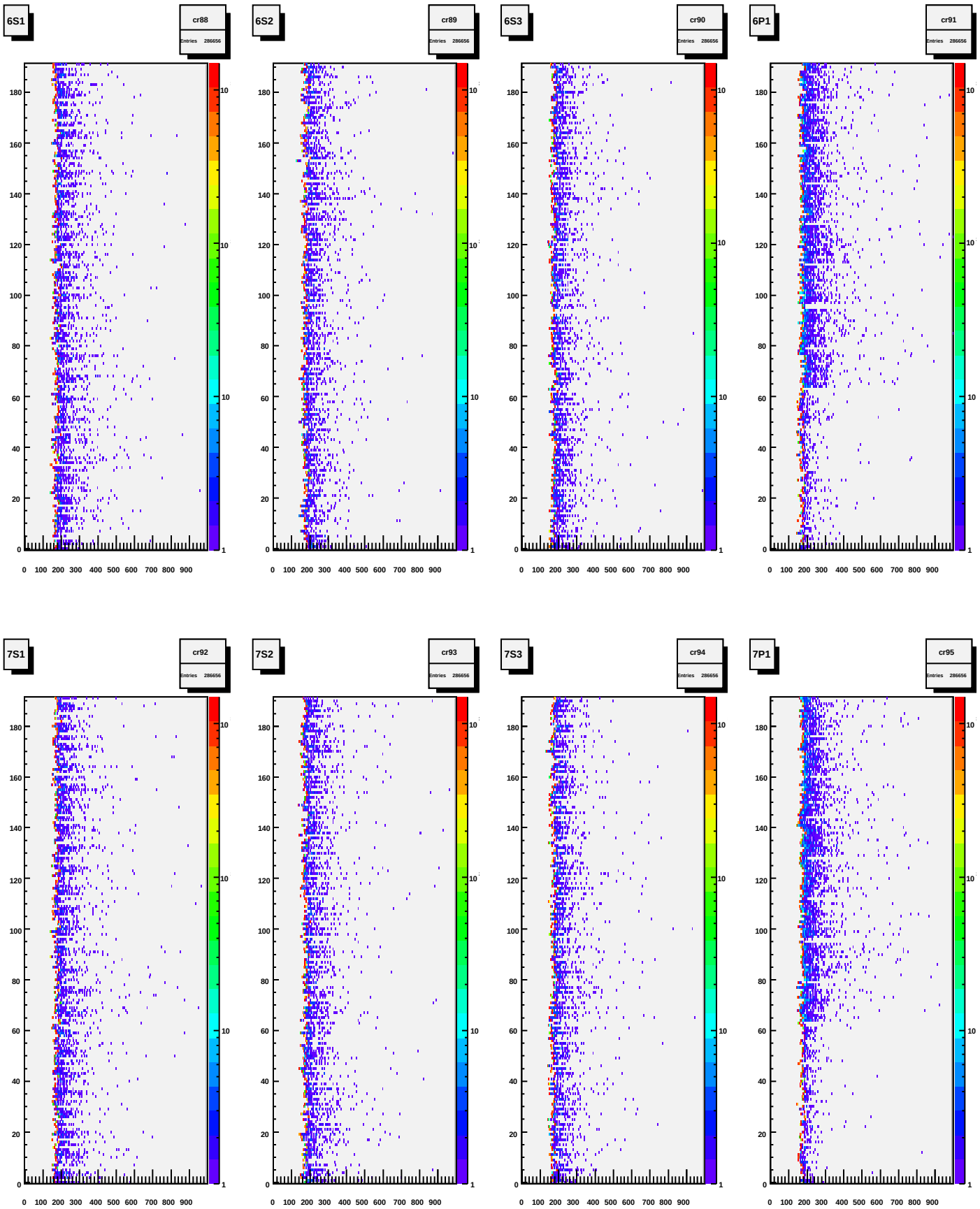

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 1998
η bin
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

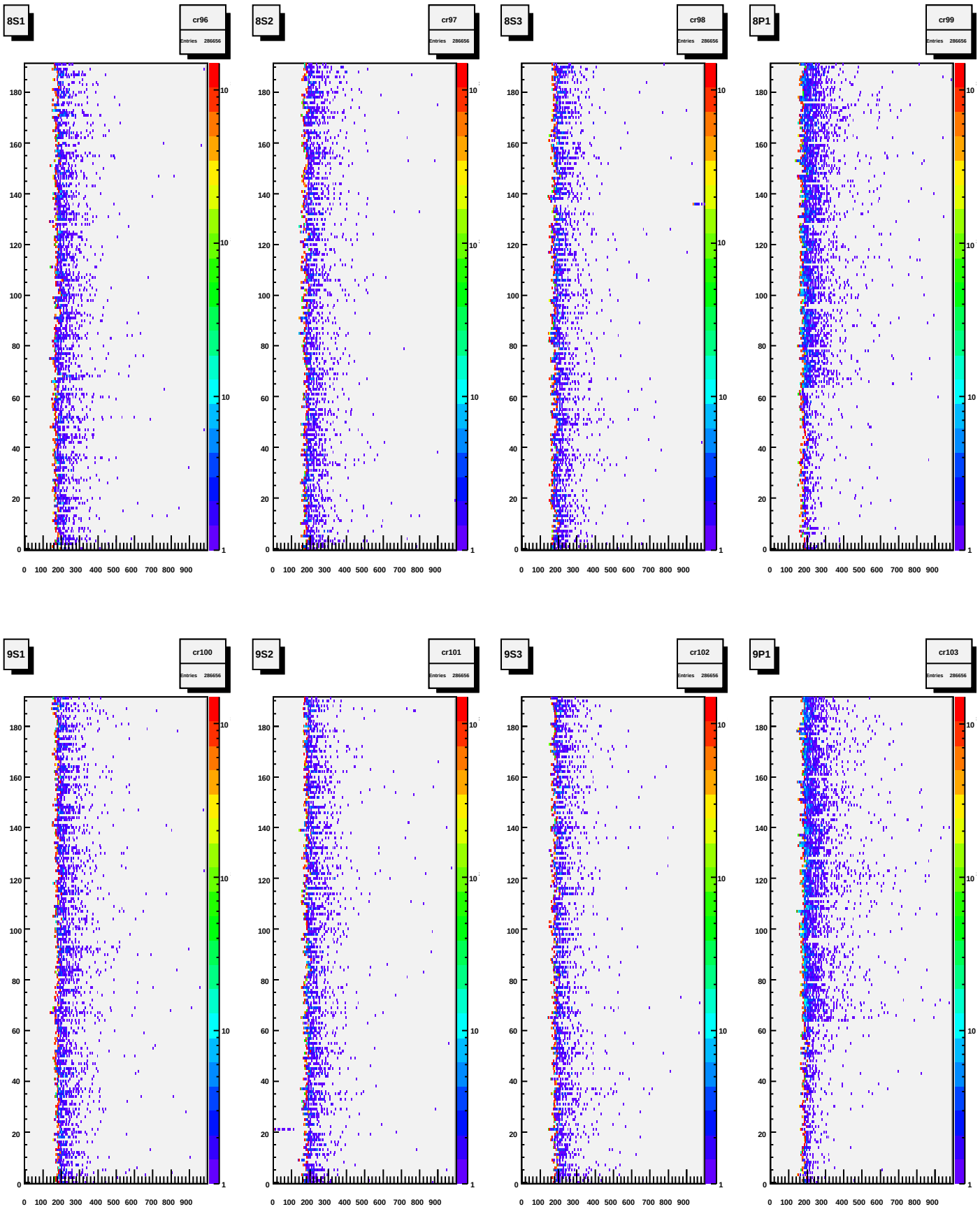

EEMC post hits>ped+50
PostHits
Entries 10568
η bin
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

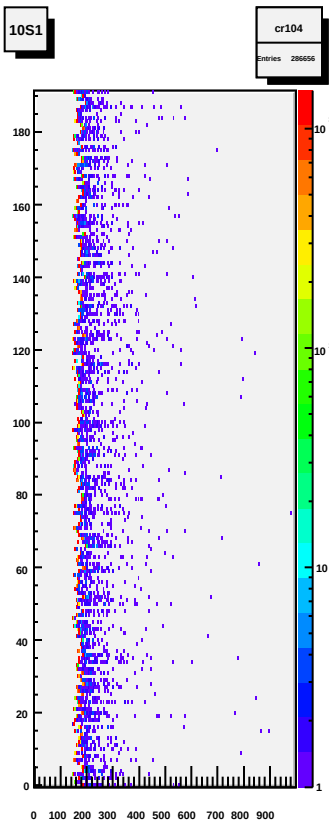

12S1
cr64
Entries 286656
12S2
cr65
Entries 286656
12S3
cr66
Entries 286656
12P1
cr67
Entries 286656
1S1
cr68
Entries 286656
1S2
cr69
Entries 286656
1S3
cr70
Entries 286656
1P1
cr71
Entries 286656

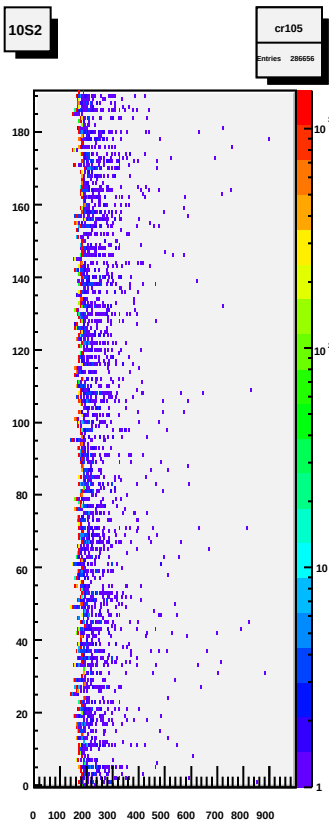

2S1
cr72
Entries 286656
2S2
cr73
Entries 286656
2S3
cr74
Entries 286656
2P1
cr75
Entries 286656
3S1
cr76
Entries 286656
3S2
cr77
Entries 286656
3S3
cr78
Entries 286656
3P1
cr79
Entries 286656
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1
10

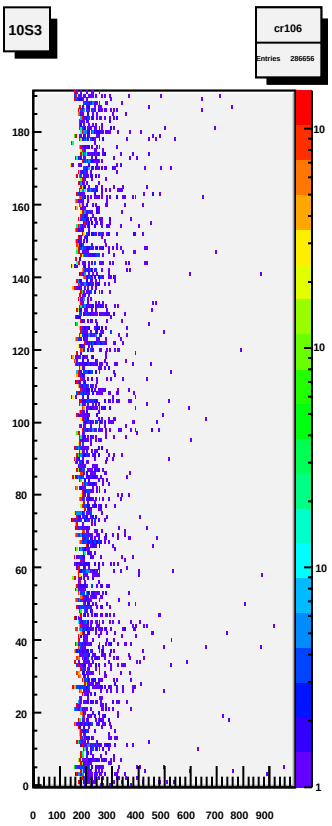

4S1
cr80
Entries 286656
4S2
cr81
Entries 286656
4S3
cr82
Entries 286656
4P1
cr83
Entries 286656
5S1
cr84
Entries 286656
5S2
cr85
Entries 286656
5S3
cr86
Entries 286656
5P1
cr87
Entries 286656
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1 10 10

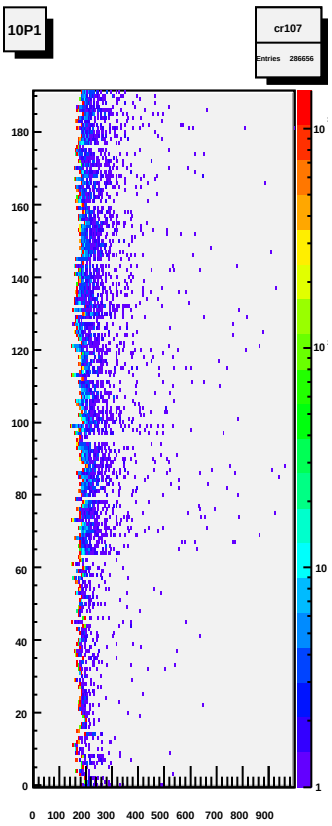

6S1
cr88
Entries 286656
6S2
cr89
Entries 286656
6S3
cr90
Entries 286656
6P1
cr91
Entries 286656
7S1
cr92
Entries 286656
7S2
cr93
Entries 286656
7S3
cr94
Entries 286656
7P1
cr95
Entries 286656

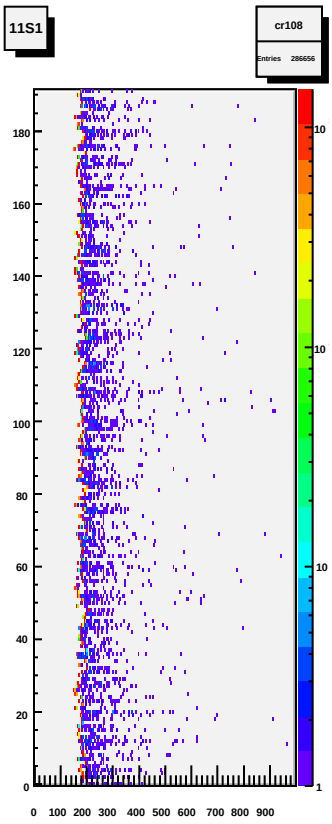

8S1
cr96
Entries 286656
8S2
cr97
Entries 286656
8S3
cr98
Entries 286656
8P1
cr99
Entries 286656
9S1
cr100
Entries 286656
9S2
cr101
Entries 286656
9S3
cr102
Entries 286656
9P1
cr103
Entries 286656
0 100 200 300 400 500 600 700 800 900
0 20 40 60 80 100 120 140 160 180
1 10 10 10

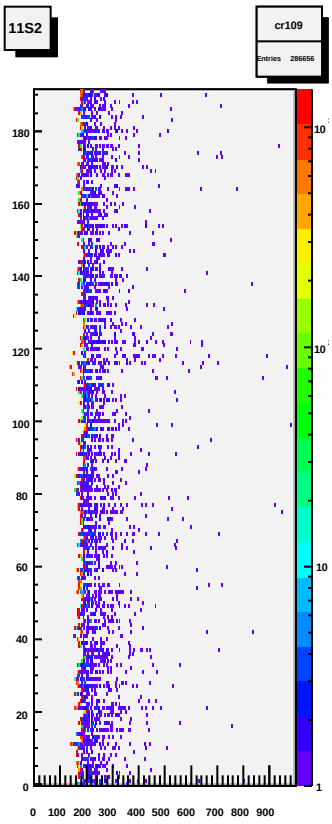

10S1
cr104
Entries 286656

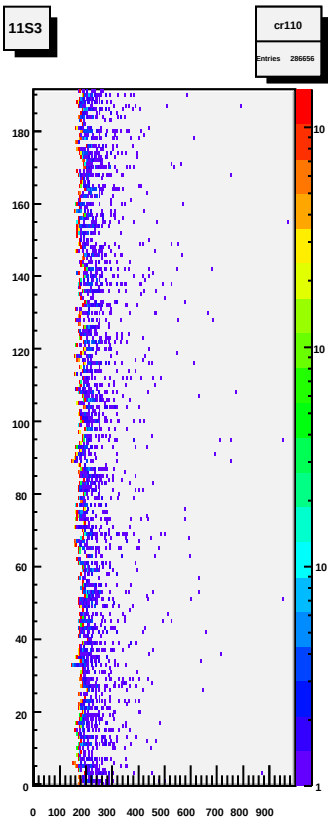

10S2
cr105
Entries 286656

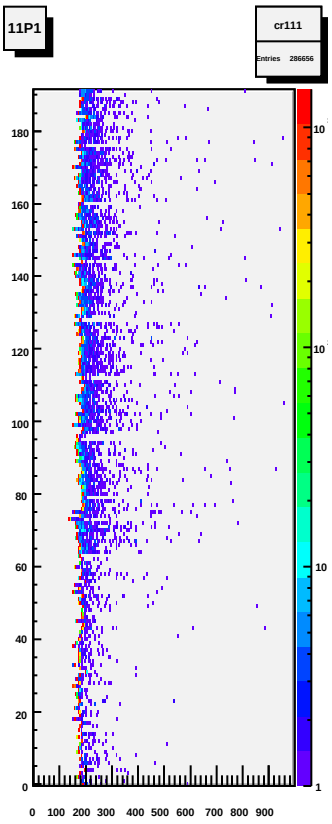

10S3
cr106
Entries 286656

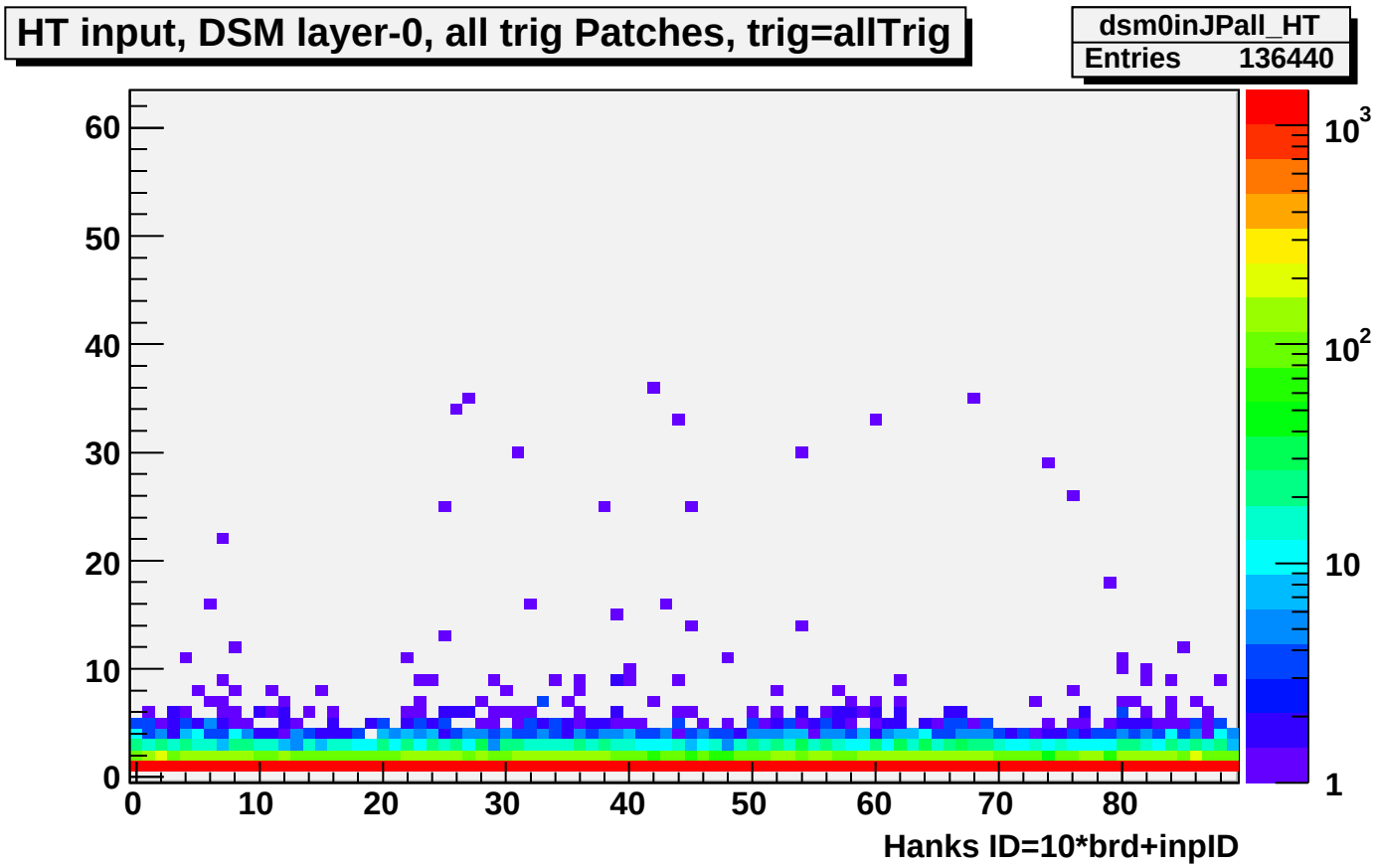

10P1
cr107
Entries 286656

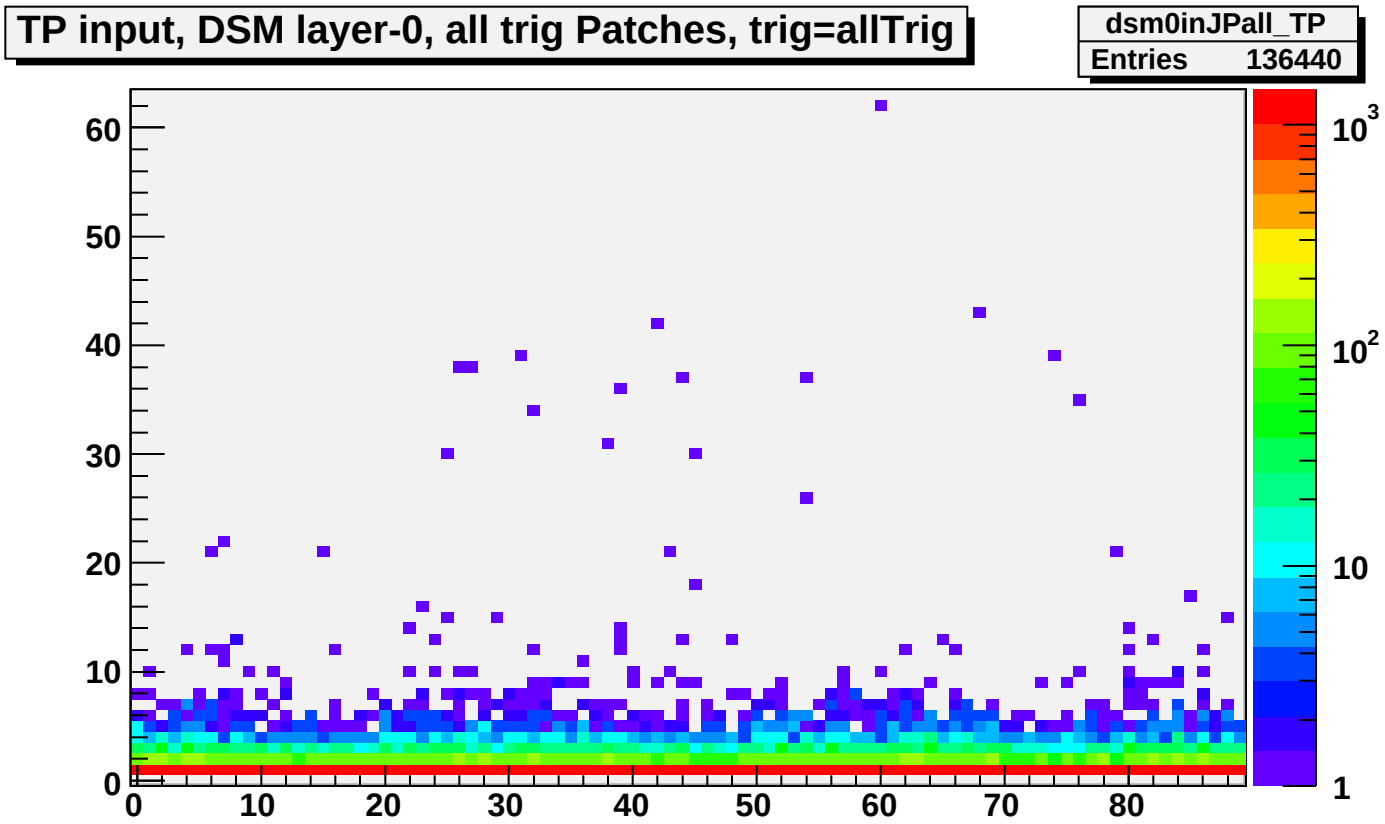

11S1
cr108
Entries 286656

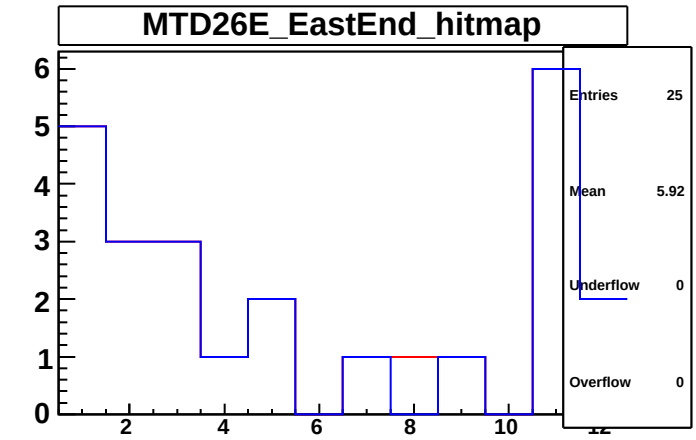

11S2
cr109
Entries 286656

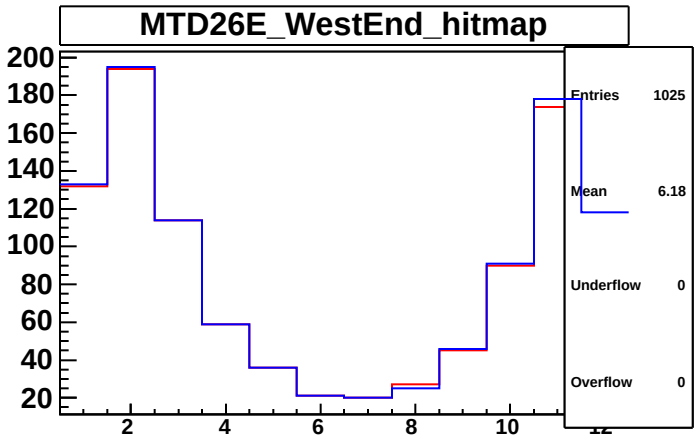

11S3
cr110
Entries 286656

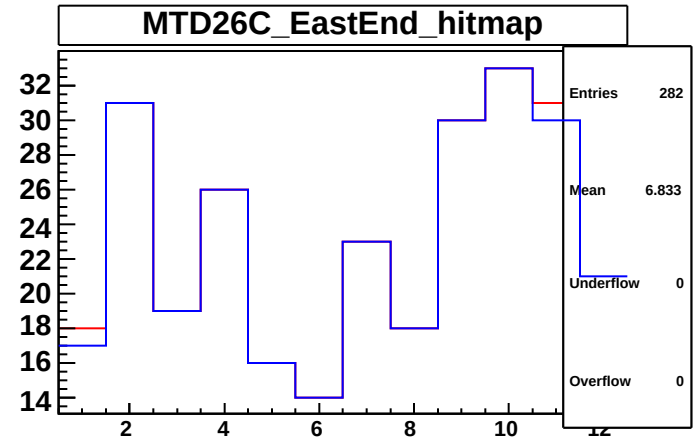

11P1
cr111
Entries 286656

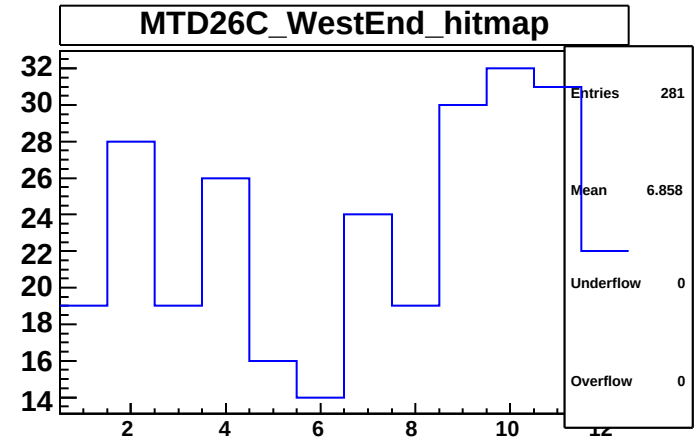

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 136440
Hanks ID=10*brd+inpID

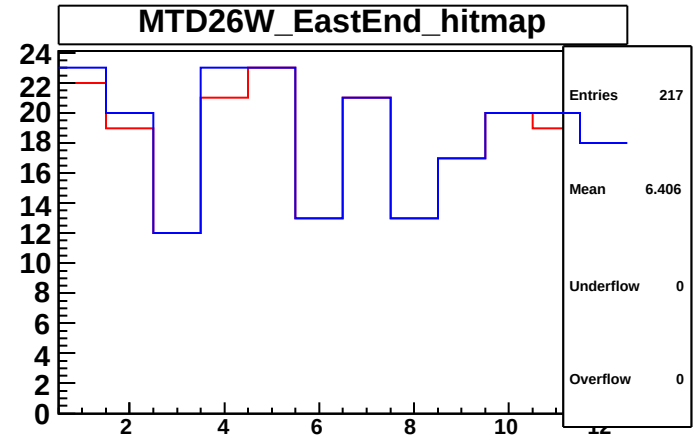

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 136440

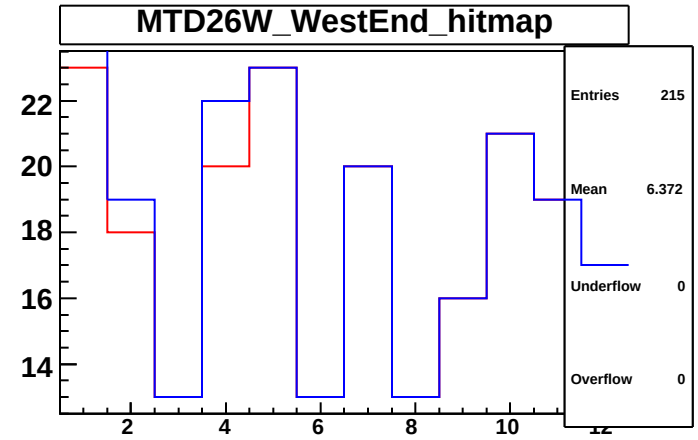

MTD26E_EastEnd_hitmap
Entries 25
Mean 5.92
Underflow 0
Overflow 0

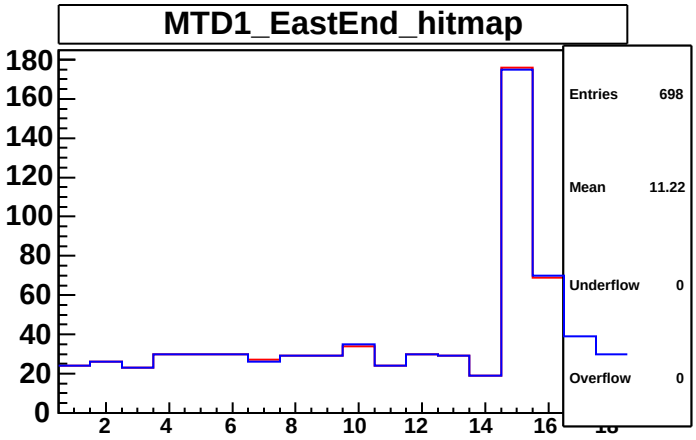

MTD26E_WestEnd_hitmap
Entries 1025
Mean 6.18
Underflow 0
Overflow 0

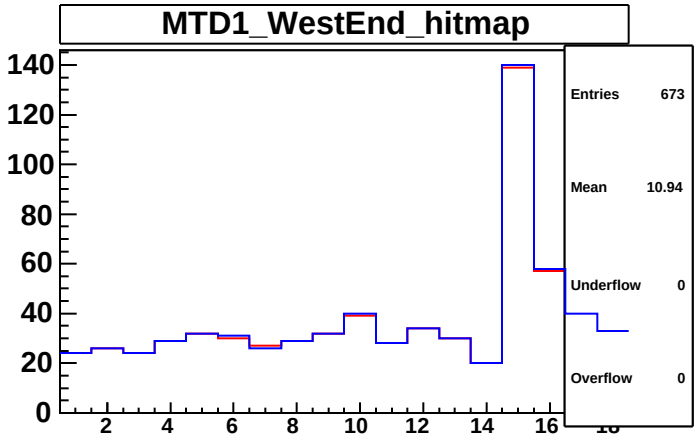

MTD26C_EastEnd_hitmap
Entries 282
Mean 6.833
Underflow 0
Overflow 0

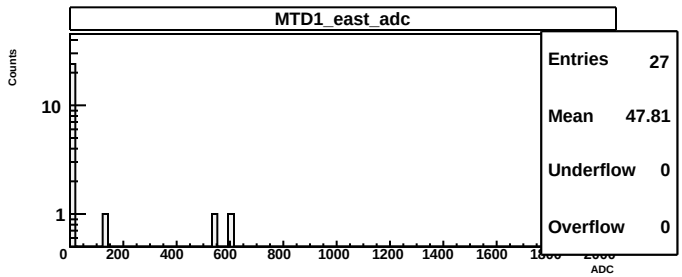

MTD26C_WestEnd_hitmap
Entries 281
Mean 6.858
Underflow 0
Overflow 0

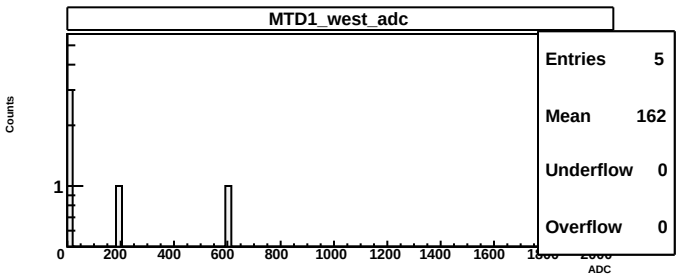

MTD26W_EastEnd_hitmap
Entries 217
Mean 6.406
Underflow 0
Overflow 0

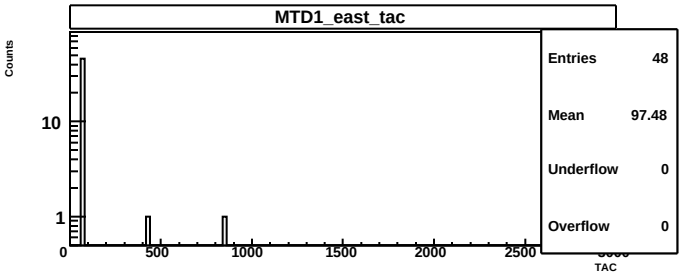

MTD26W_WestEnd_hitmap
Entries 215
Mean 6.372
Underflow 0
Overflow 0

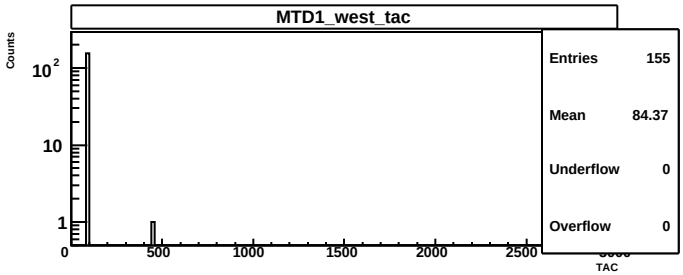

MTD1_EastEnd_hitmap
Entries 698
Mean 11.22
Underflow 0
Overflow 0

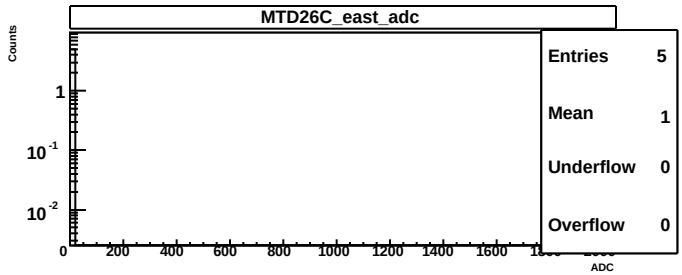

MTD1_WestEnd_hitmap
Entries 673
Mean 10.94
Underflow 0
Overflow 0

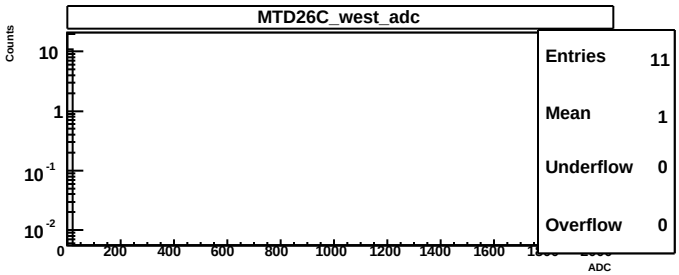

MTD1_east_adc
Entries 27
Mean 47.81
Underflow 0
Overflow 0
Counts
ADC

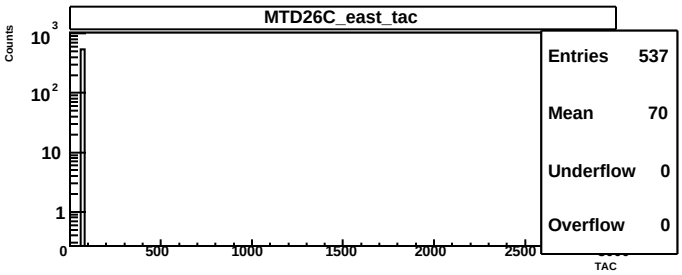

MTD1_west_adc
Entries 5
Mean 162
Underflow 0
Overflow 0
Counts
ADC

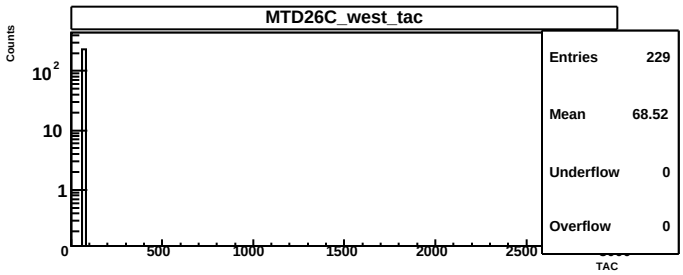

MTD1_east_tac
Entries 48
Mean 97.48
Underflow 0
Overflow 0
Counts
TAC

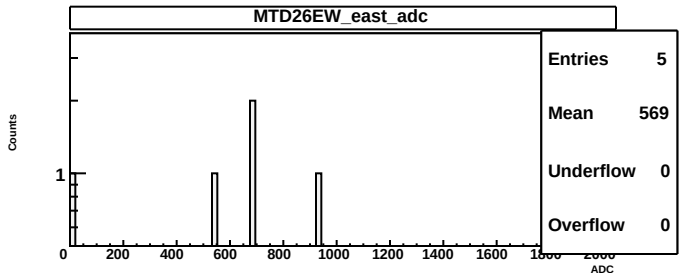

MTD1_west_tac
Entries 155
Mean 84.37
Underflow 0
Overflow 0
Counts
TAC

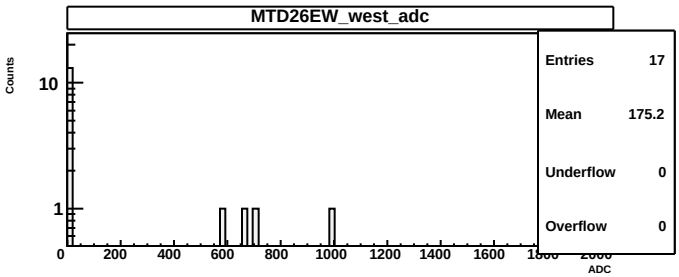

MTD26C_east_adc
Entries 5
Mean 1
Underflow 0
Overflow 0
Counts
ADC

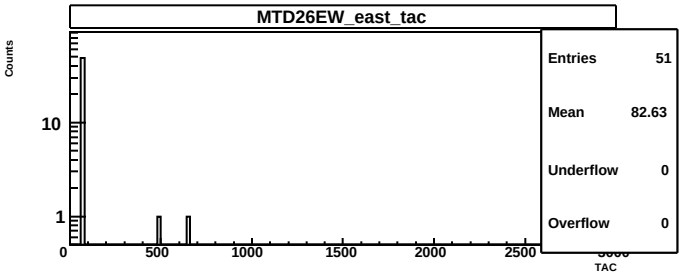

MTD26C_west_adc
Entries 11
Mean 1
Underflow 0
Overflow 0
Counts
ADC

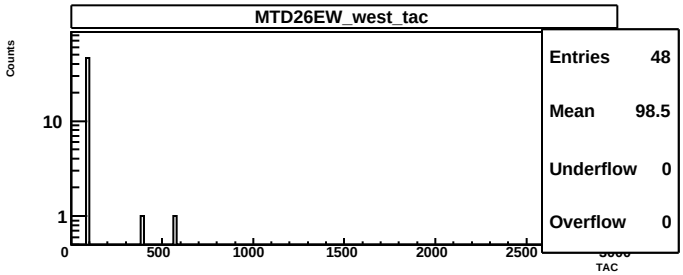

MTD26C_east_tac
Entries 537
Mean 70
Underflow 0
Overflow 0
Counts
TAC

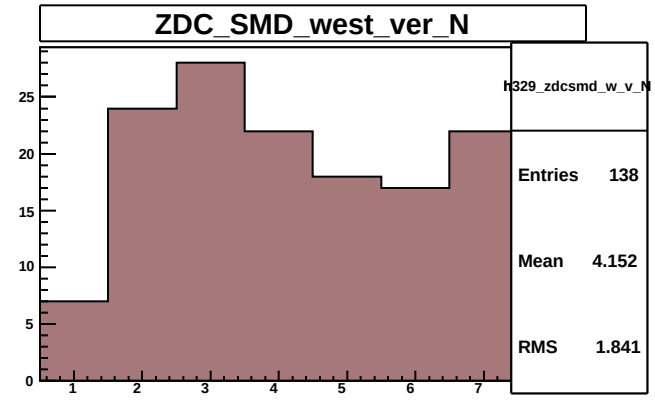

MTD26C_west_tac
Entries 229
Mean 68.52
Underflow 0
Overflow 0
Counts
TAC

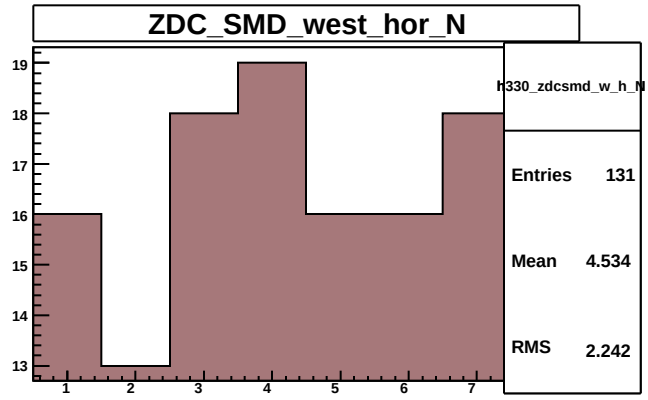

MTD26EW_east_adc
Entries 5
Mean 569
Underflow 0
Overflow 0
Counts
ADC

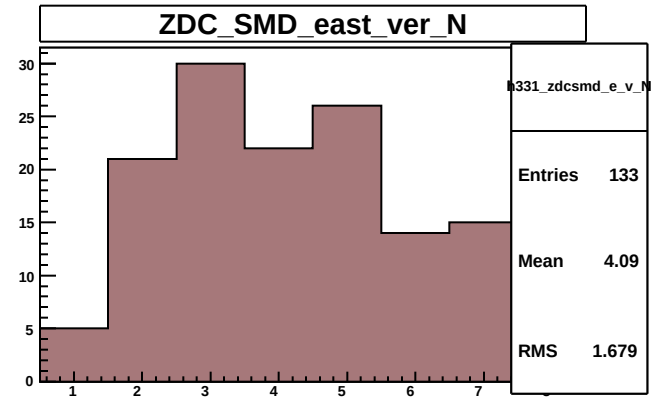

MTD26EW_west_adc
Entries 17
Mean 175.2
Underflow 0
Overflow 0
Counts
ADC

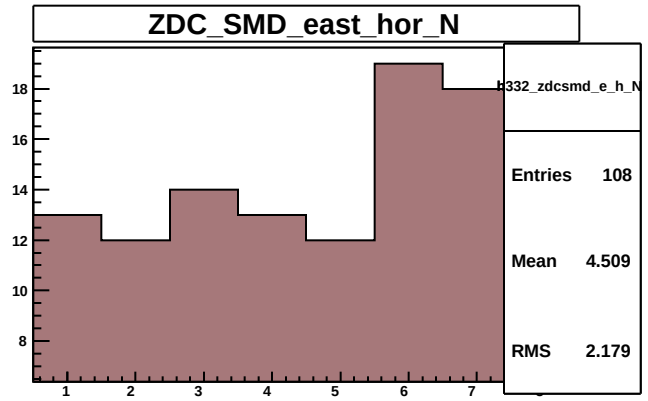

MTD26EW_east_tac
Entries 51
Mean 82.63
Underflow 0
Overflow 0
Counts
TAC

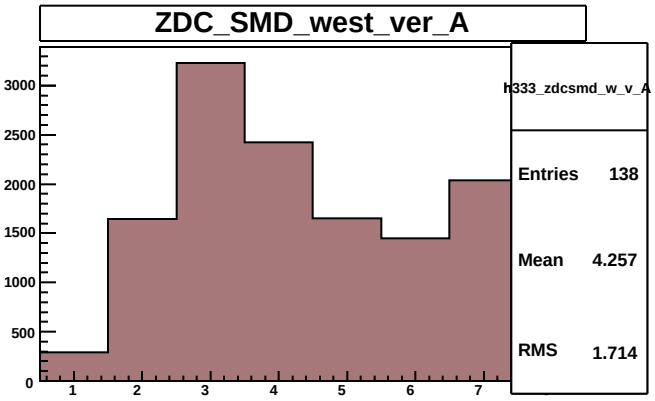

MTD26EW_west_tac
Entries 48
Mean 98.5
Underflow 0
Overflow 0
Counts
TAC

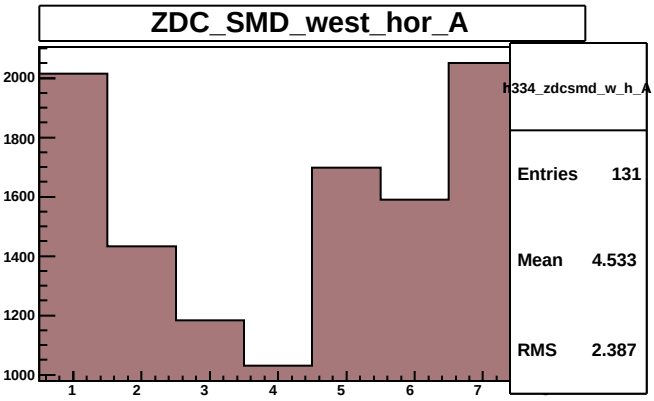

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 138
Mean 4.152
RMS 1.841

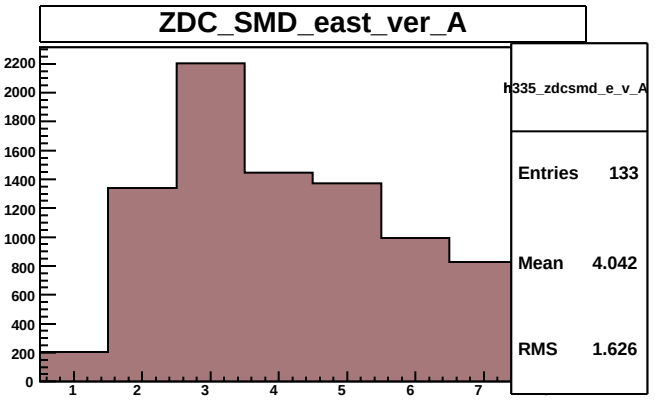

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 131
Mean 4.534
RMS 2.242

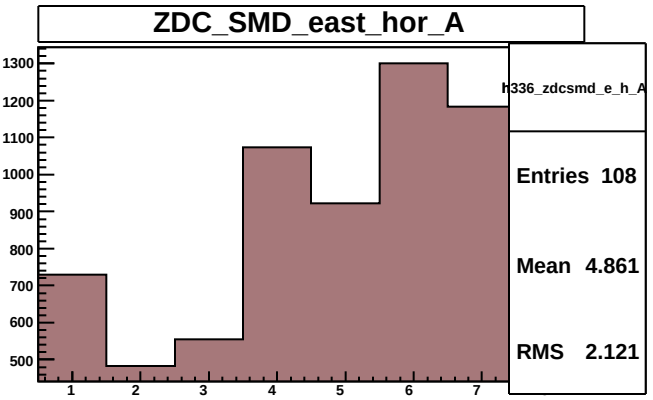

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 133
Mean 4.09
RMS 1.679

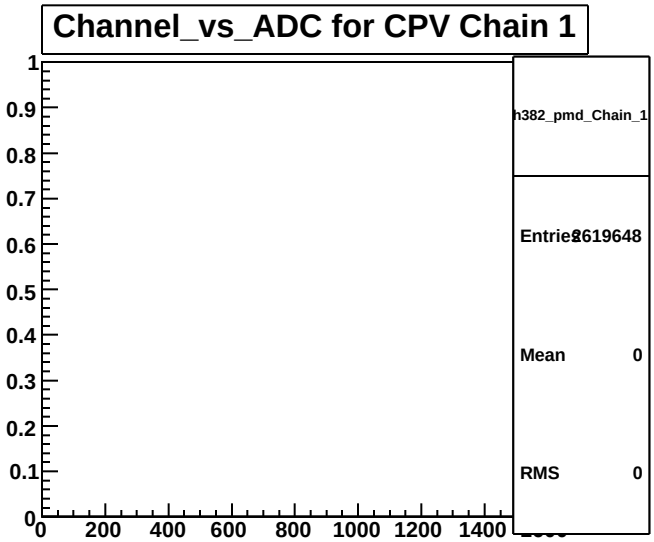

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 108
Mean 4.509
RMS 2.179

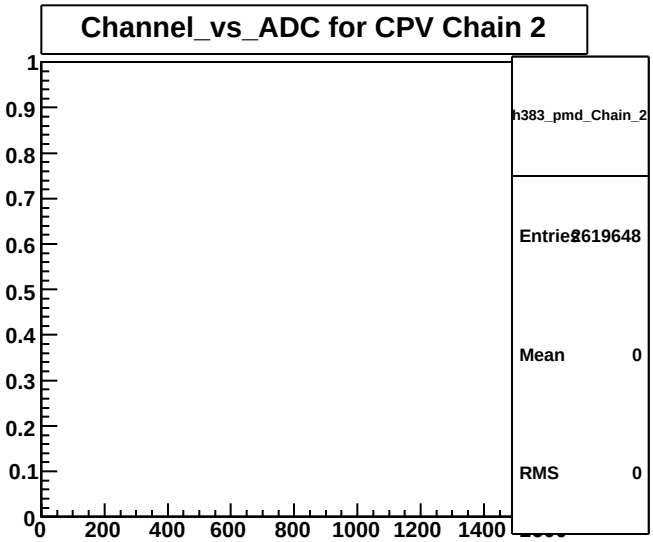

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 138
Mean 4.257
RMS 1.714

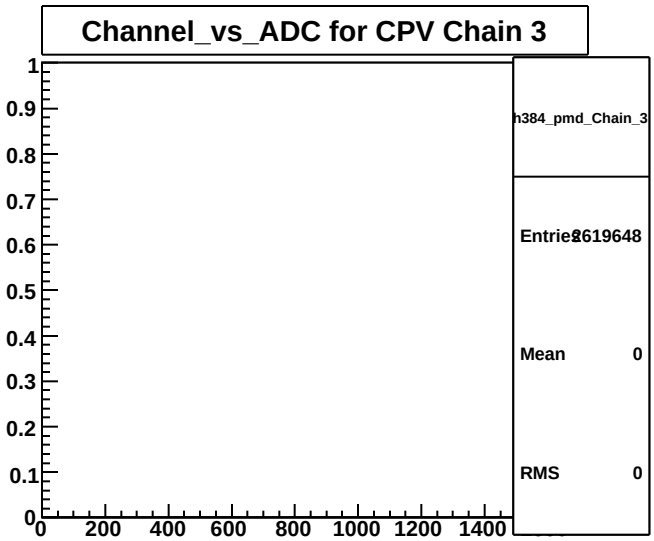

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 131
Mean 4.533
RMS 2.387

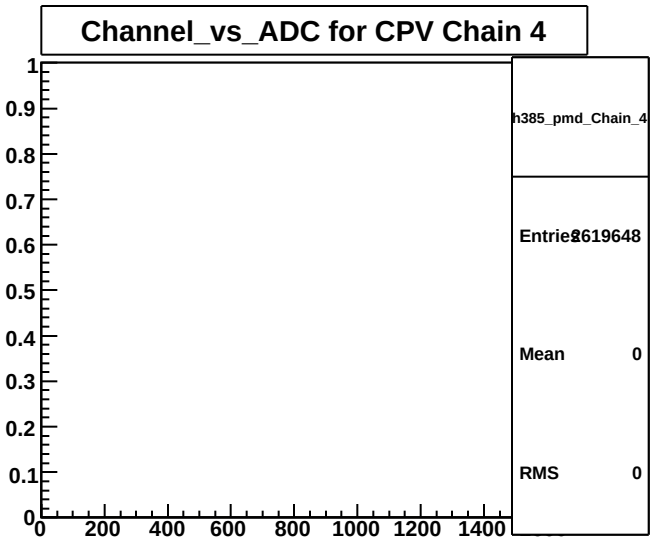

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 133
Mean 4.042
RMS 1.626

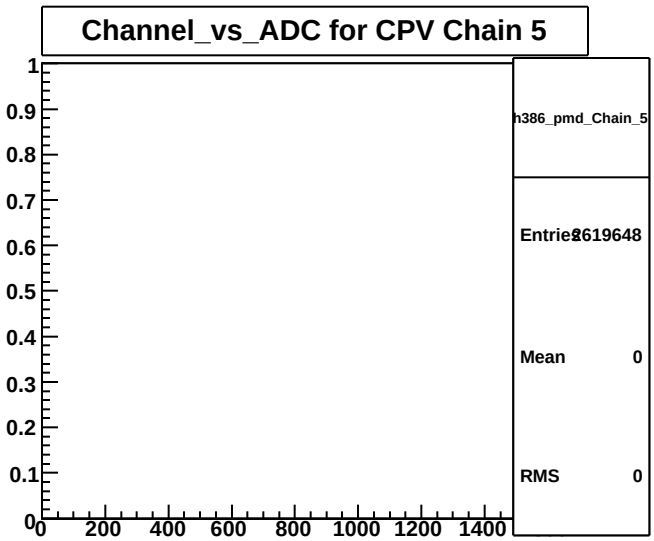

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 108
Mean 4.861
RMS 2.121

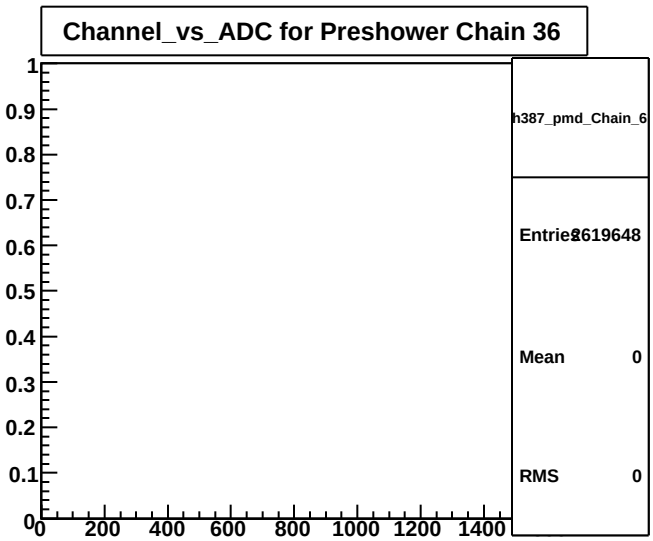

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 2619648
Mean 0
RMS 0

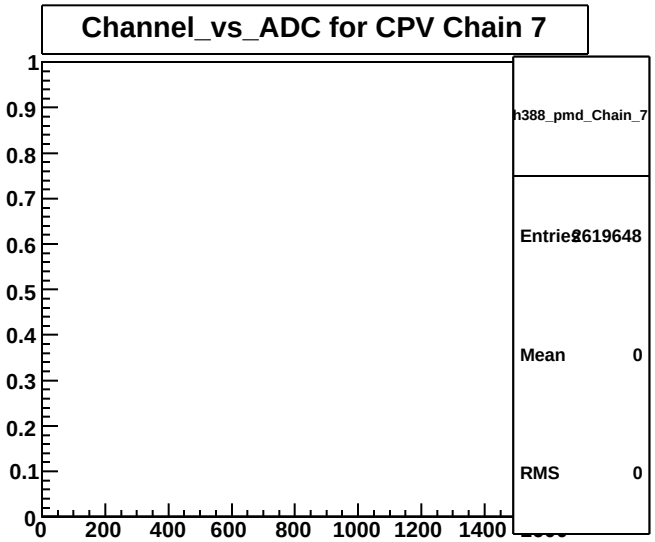

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 2619648
Mean 0
RMS 0

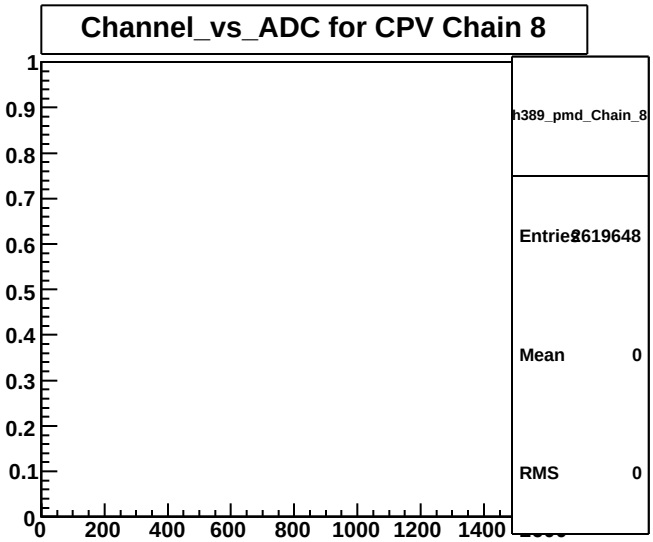

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 2619648
Mean 0
RMS 0

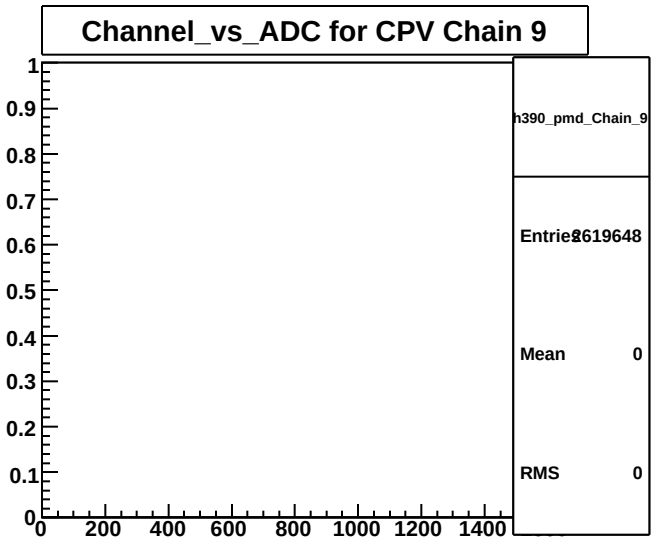

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 2619648
Mean 0
RMS 0

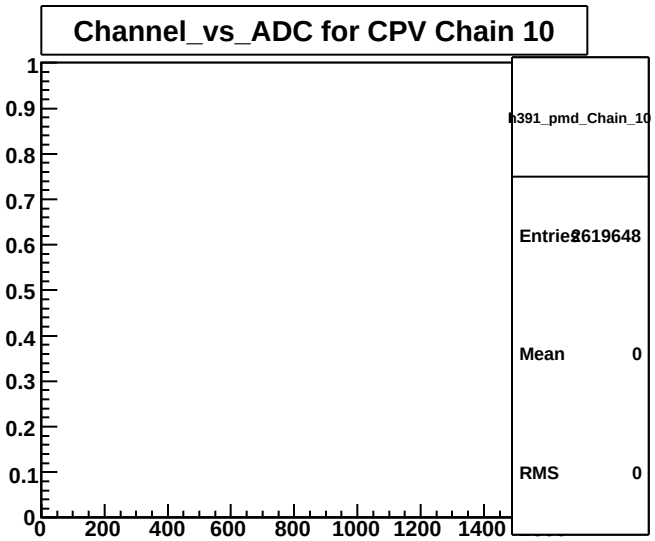

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 2619648
Mean 0
RMS 0

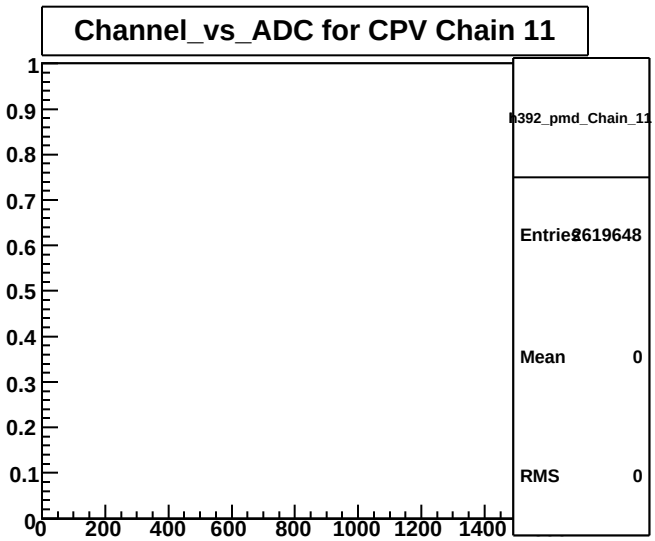

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 2619648
Mean 0
RMS 0

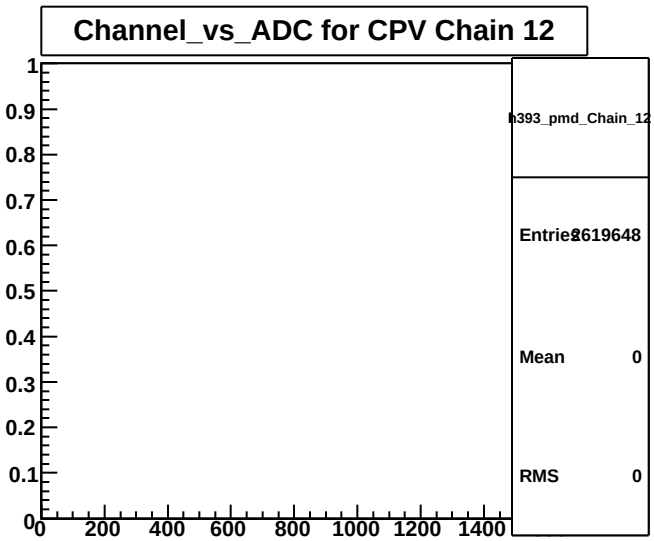

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 2619648
Mean 0
RMS 0

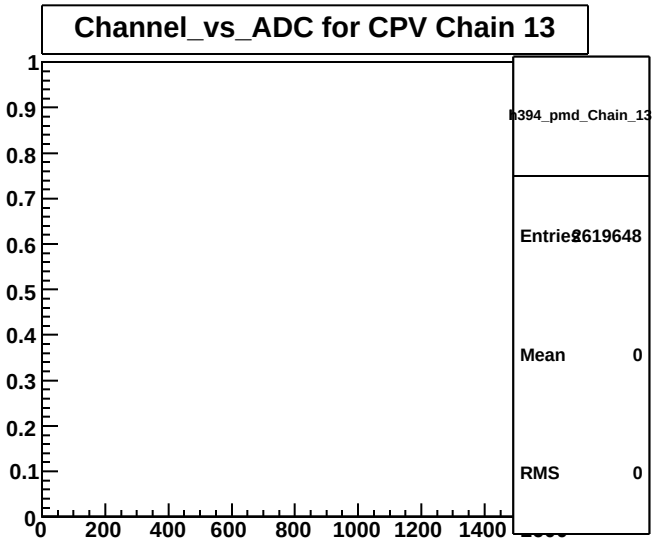

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 2619648
Mean 0
RMS 0

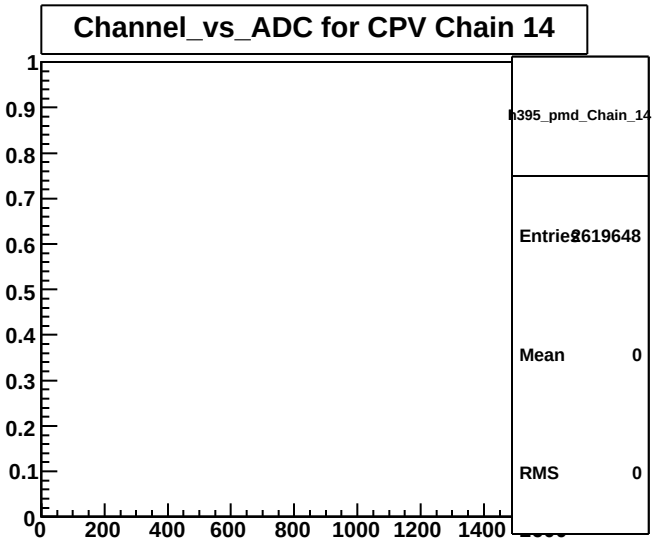

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 2619648
Mean 0
RMS 0

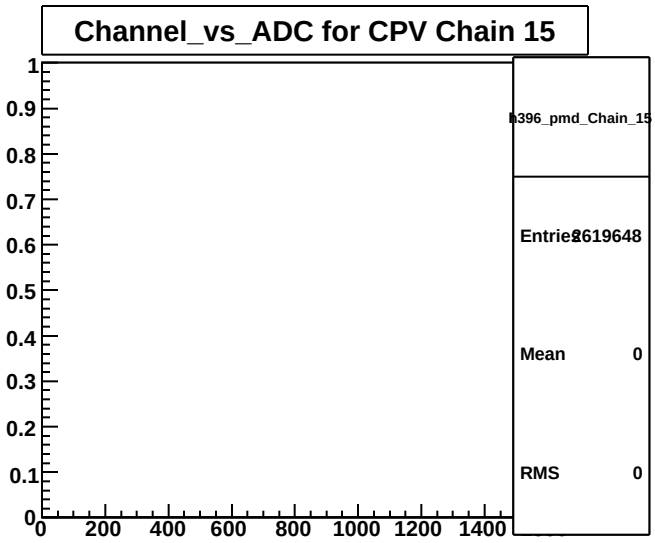

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 2619648
Mean 0
RMS 0

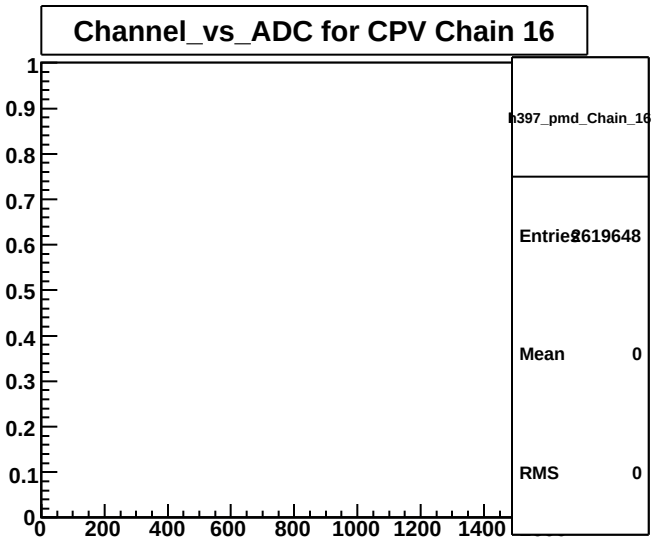

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 2619648
Mean 0
RMS 0

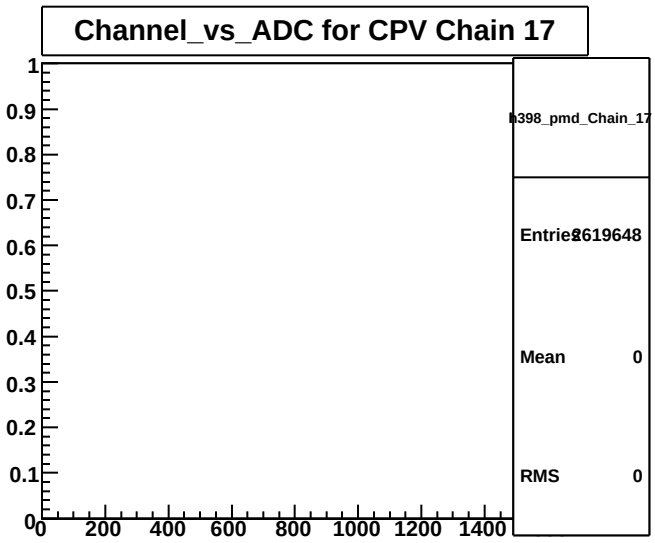

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 2619648
Mean 0
RMS 0

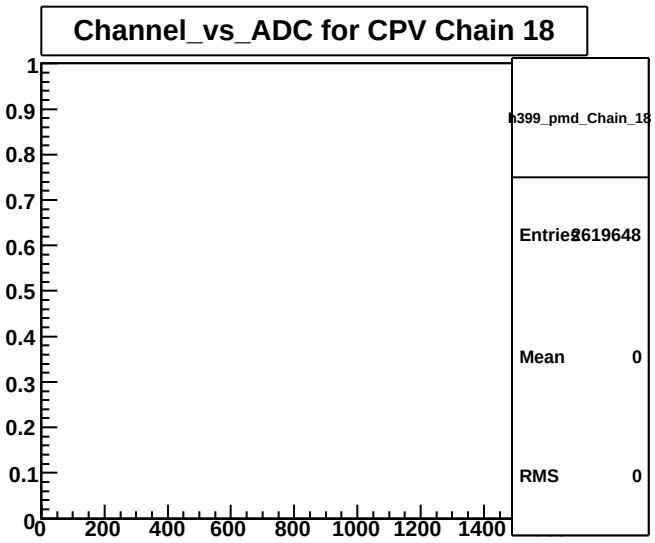

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 2619648
Mean 0
RMS 0

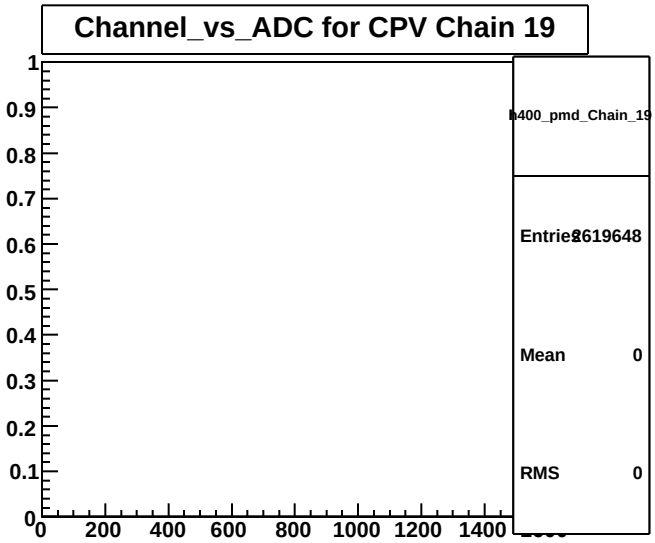

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 2619648
Mean 0
RMS 0

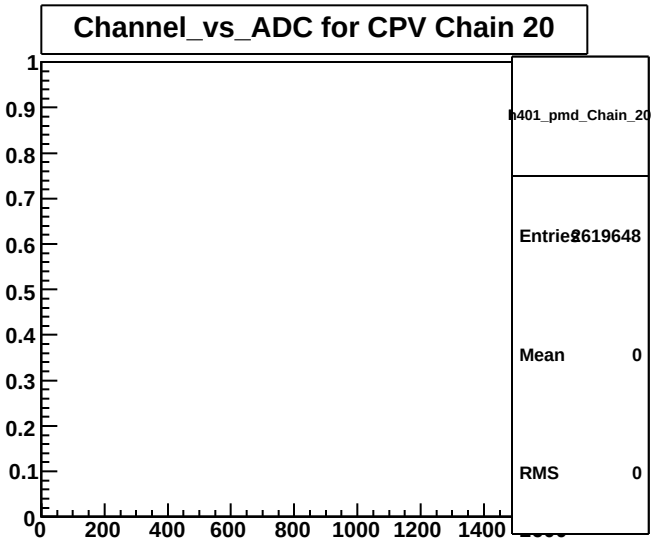

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 2619648
Mean 0
RMS 0

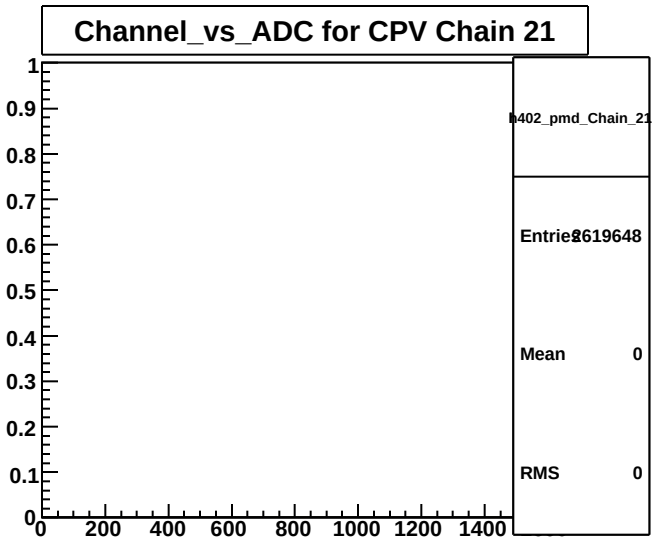

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 2619648
Mean 0
RMS 0

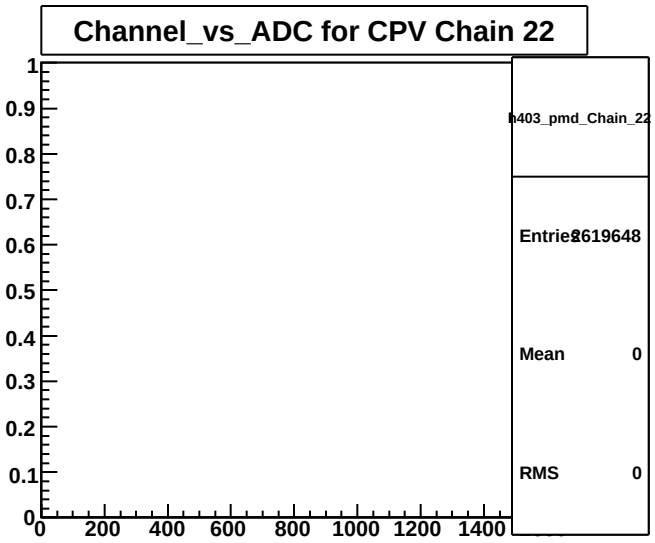

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 2619648
Mean 0
RMS 0

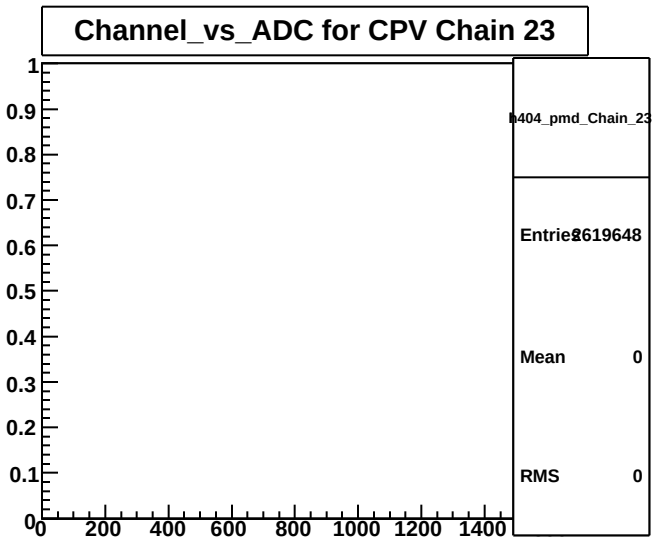

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 2619648
Mean 0
RMS 0

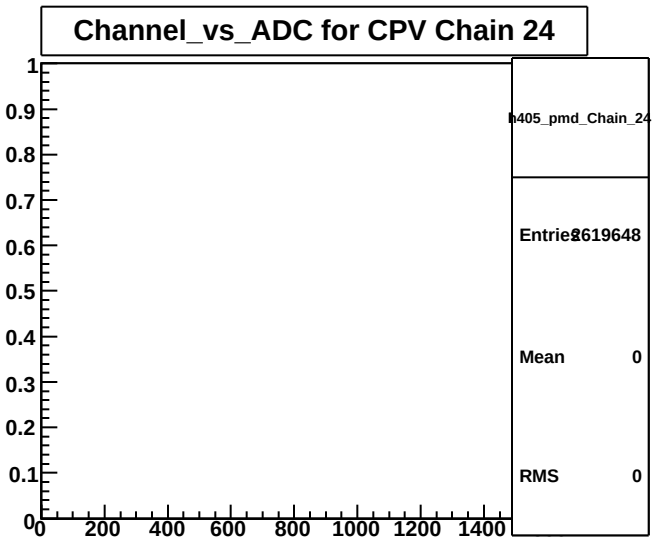

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 2619648
Mean 0
RMS 0

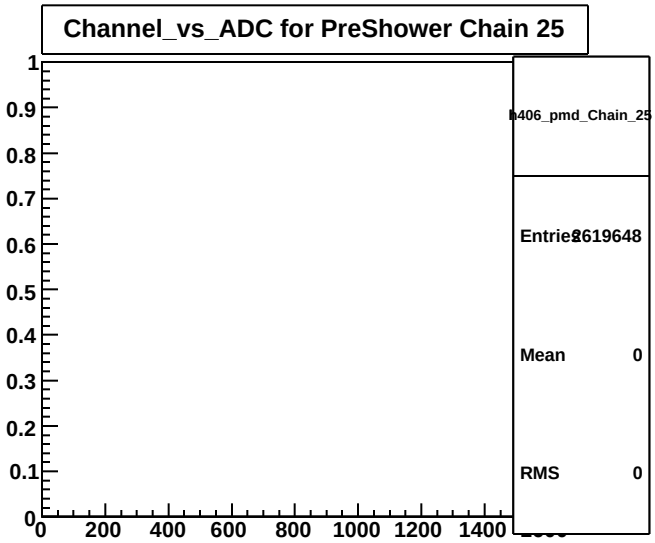

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 2619648
Mean 0
RMS 0

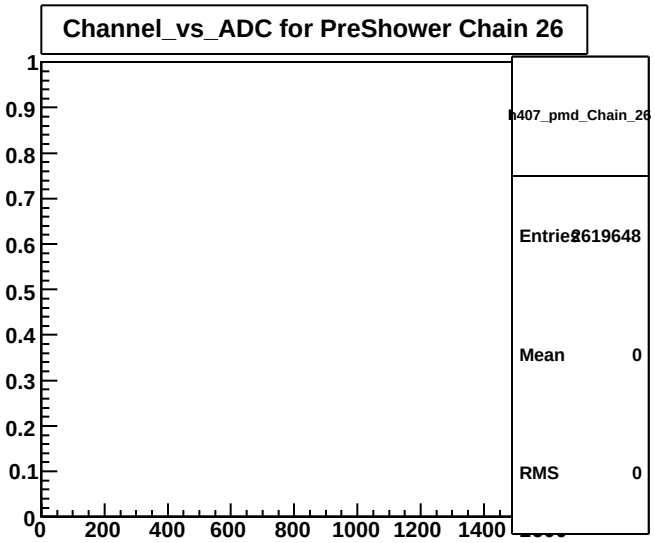

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 2619648
Mean 0
RMS 0

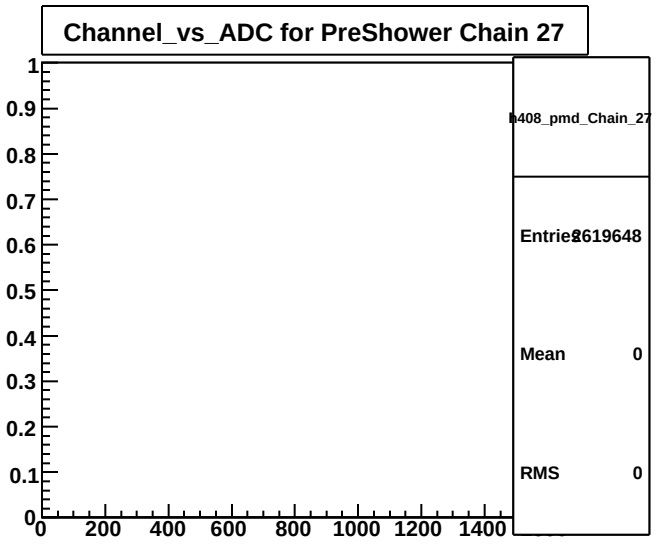

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 2619648
Mean 0
RMS 0

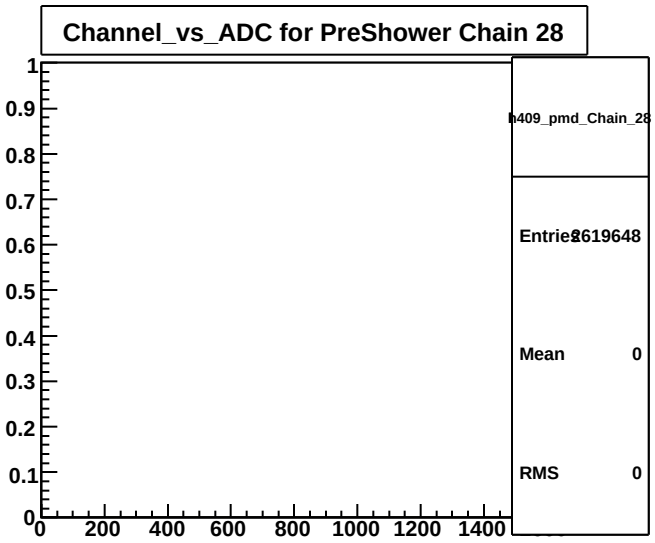

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 2619648
Mean 0
RMS 0

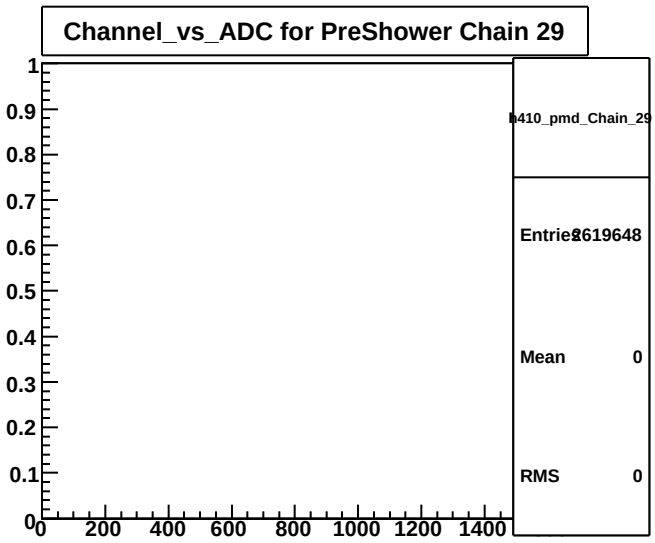

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 2619648
Mean 0
RMS 0

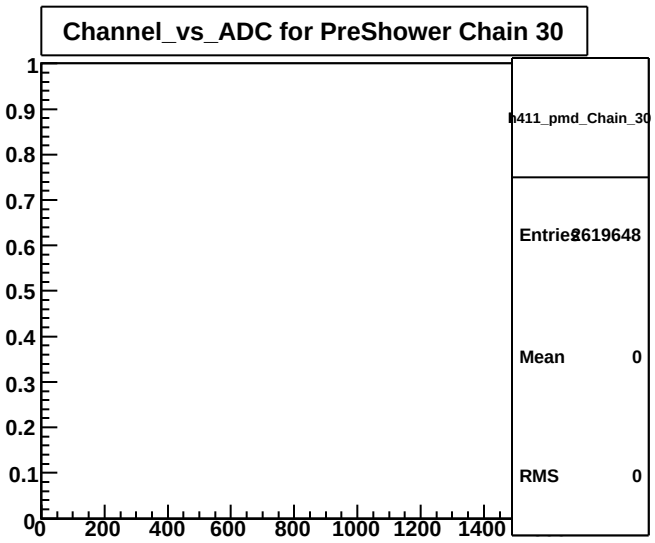

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 2619648
Mean 0
RMS 0

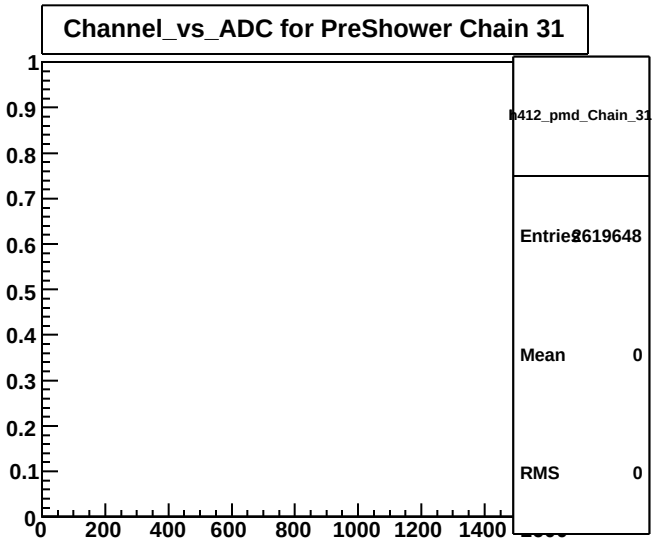

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 2619648
Mean 0
RMS 0

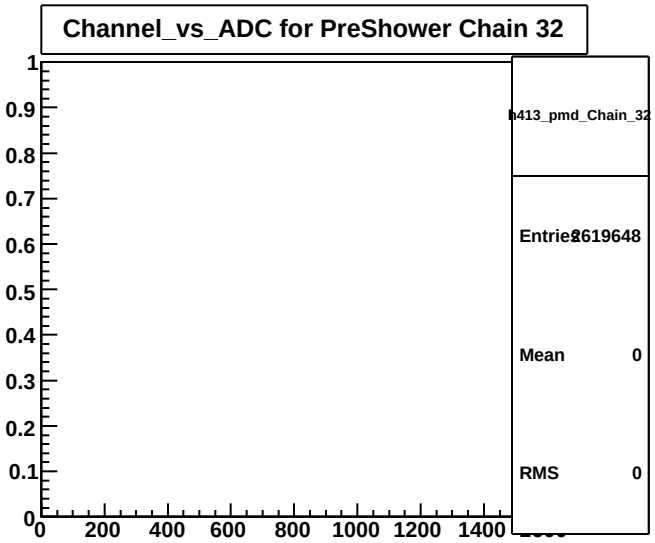

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 2619648
Mean 0
RMS 0

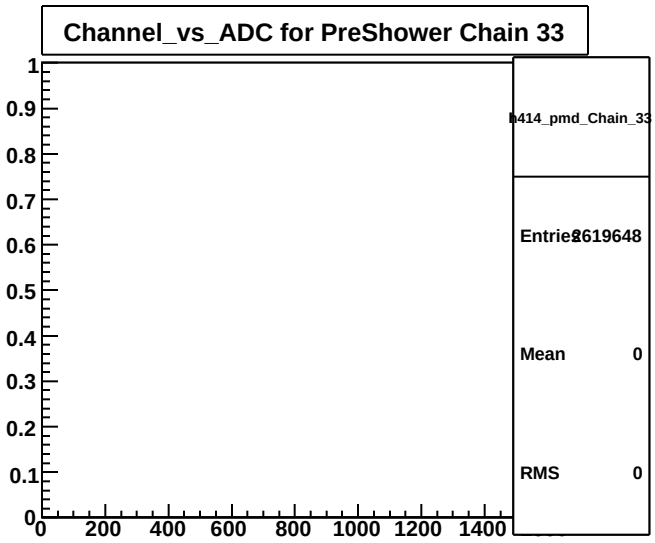

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 2619648
Mean 0
RMS 0

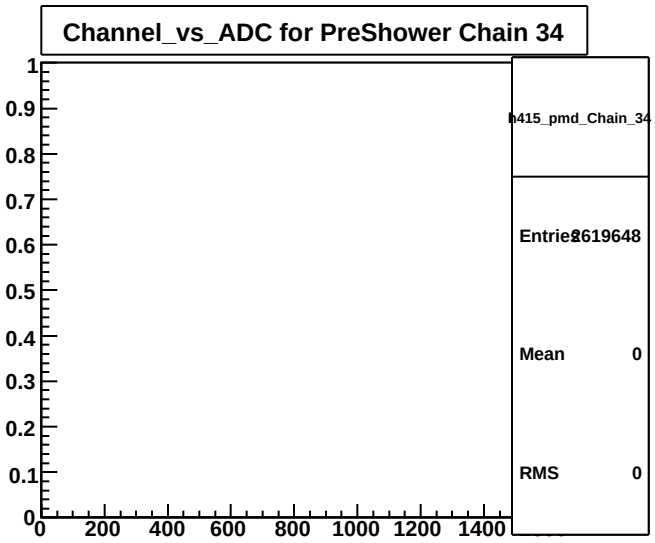

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 2619648
Mean 0
RMS 0

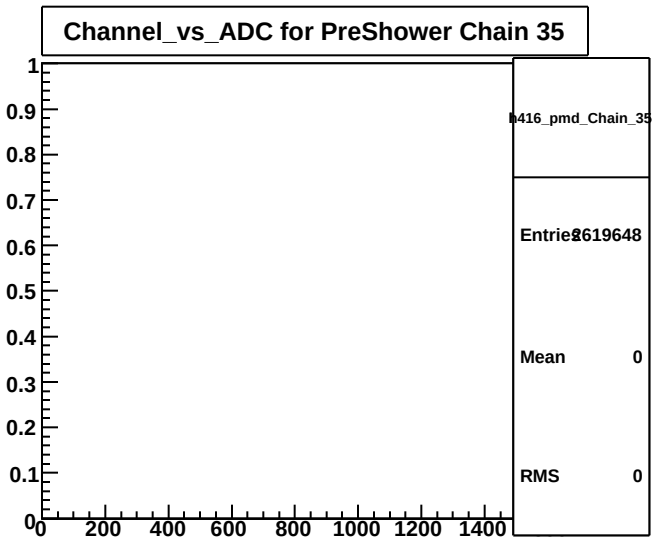

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 2619648
Mean 0
RMS 0

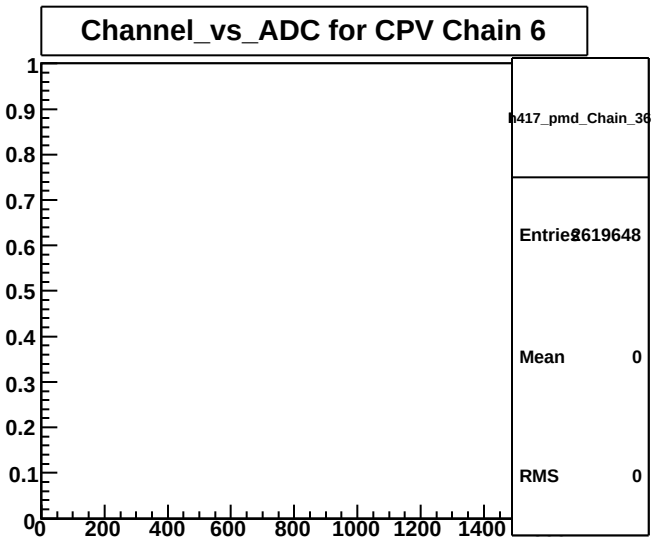

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 2619648
Mean 0
RMS 0

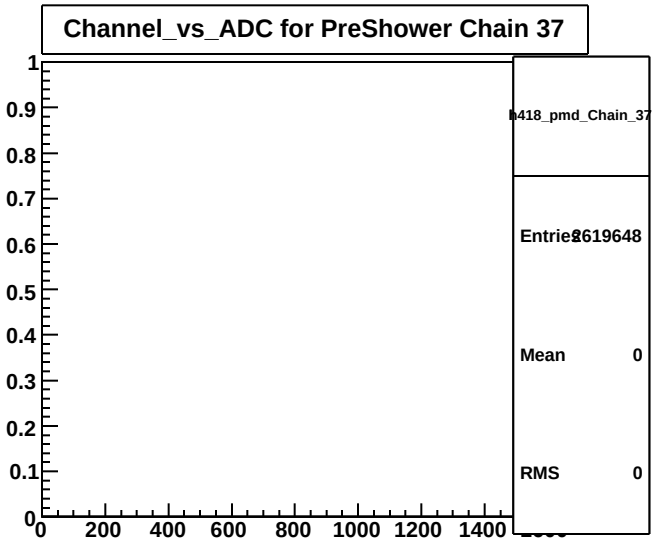

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 2619648
Mean 0
RMS 0

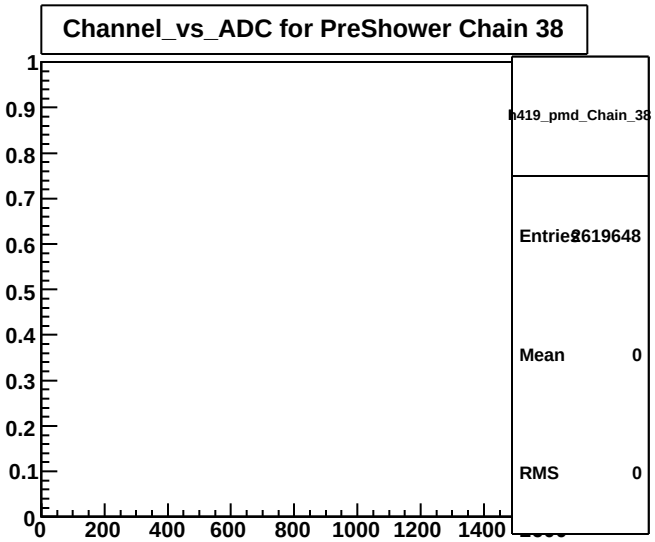

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 2619648
Mean 0
RMS 0

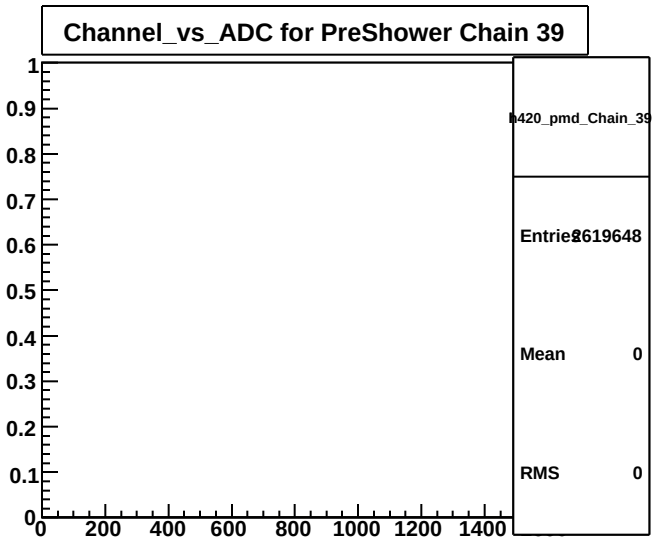

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 2619648
Mean 0
RMS 0

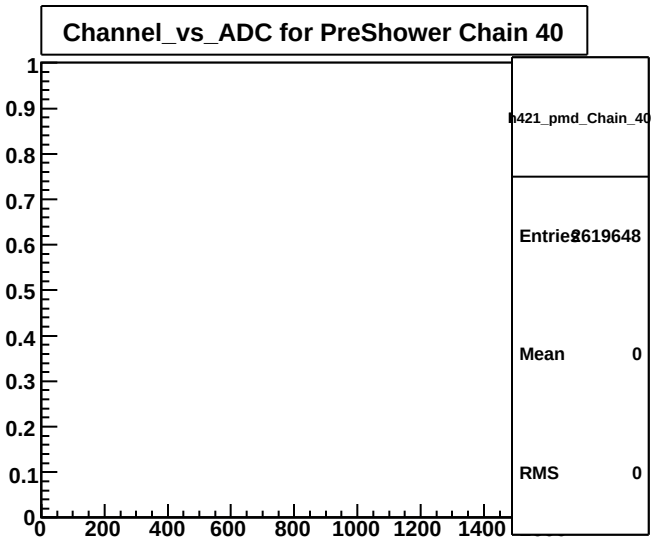

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 2619648
Mean 0
RMS 0

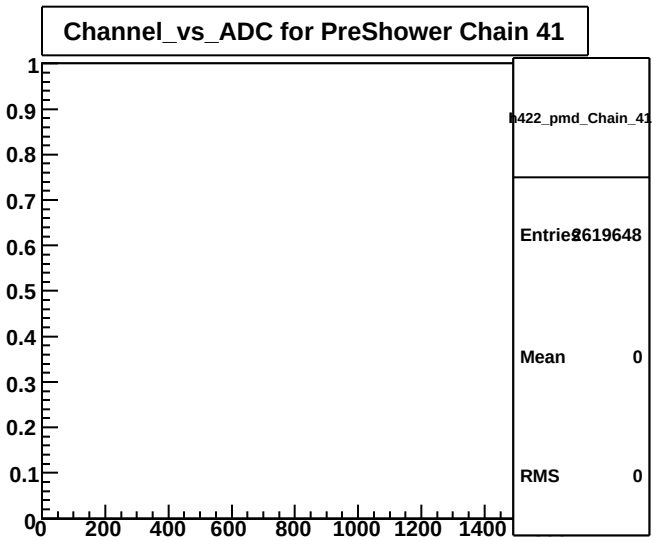

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 2619648
Mean 0
RMS 0

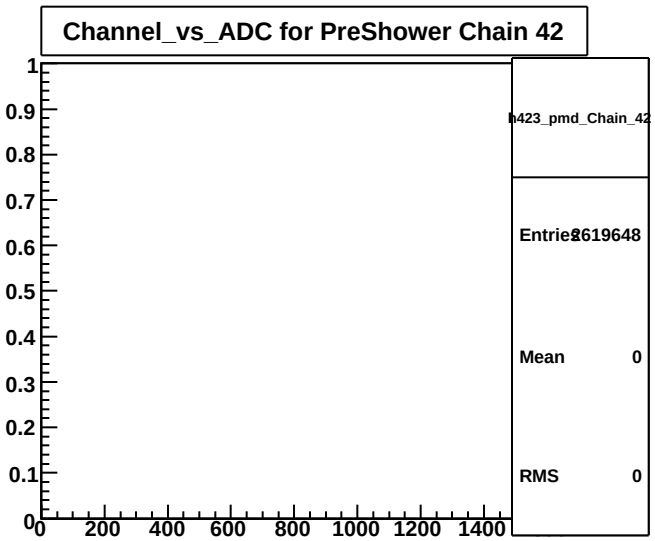

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 2619648
Mean 0
RMS 0

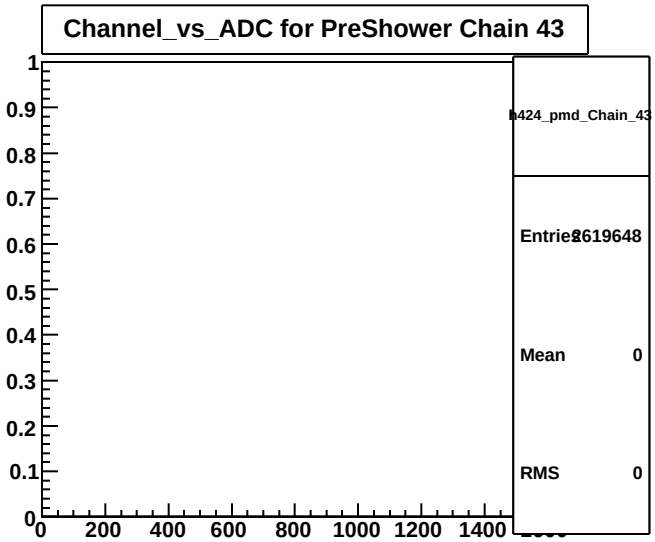

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 2619648
Mean 0
RMS 0

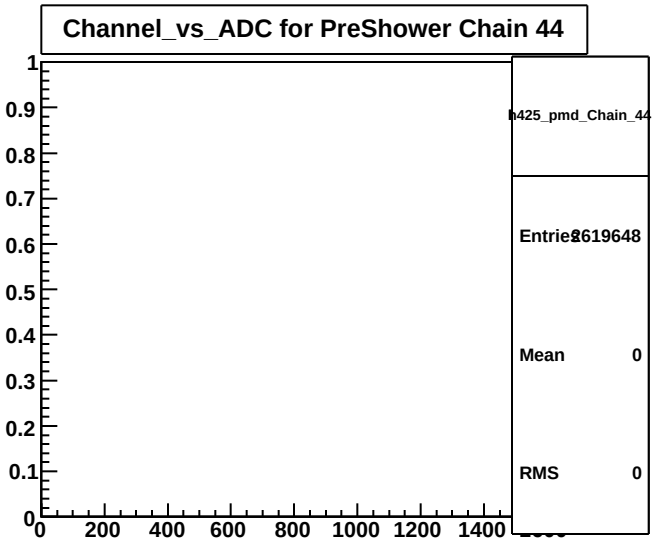

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 2619648
Mean 0
RMS 0

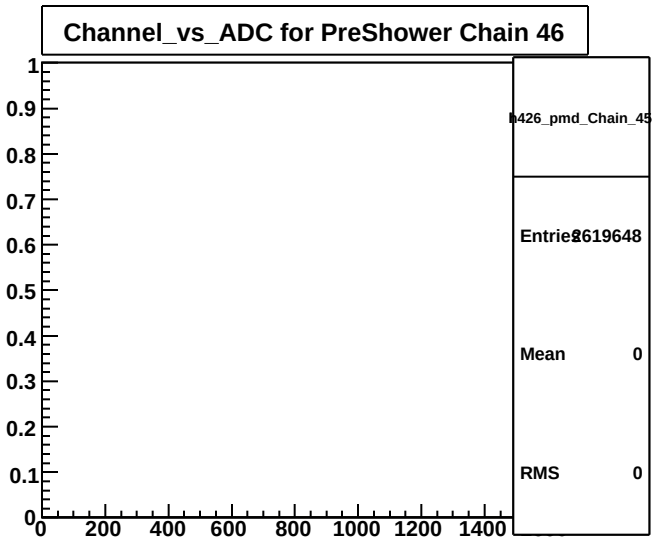

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 2619648
Mean 0
RMS 0

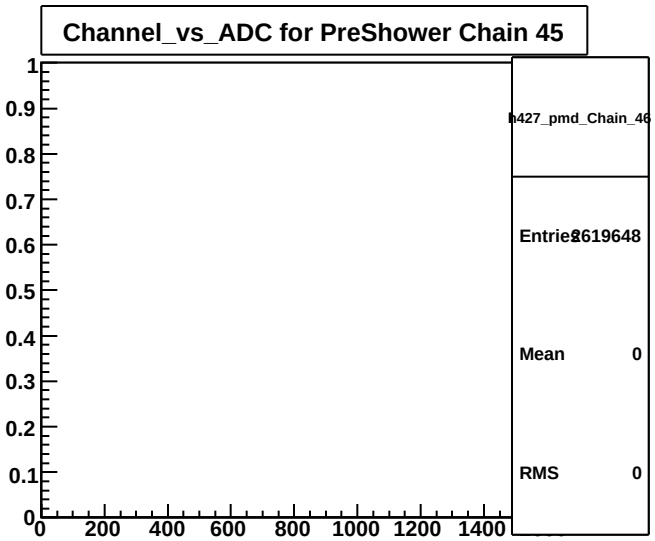

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 2619648
Mean 0
RMS 0

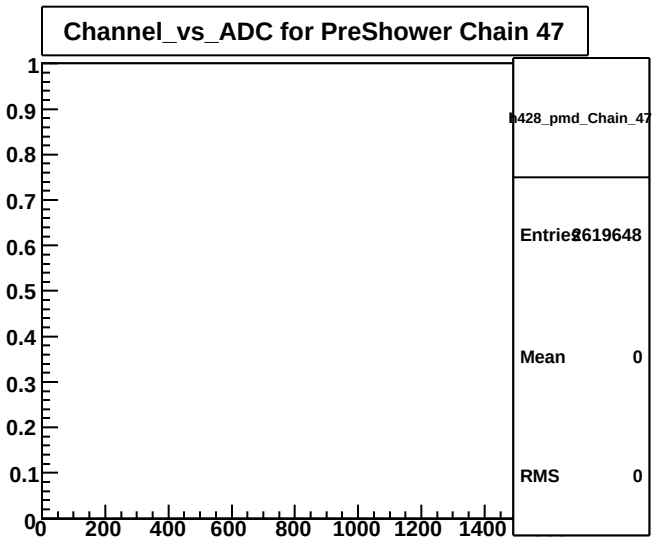

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 2619648
Mean 0
RMS 0

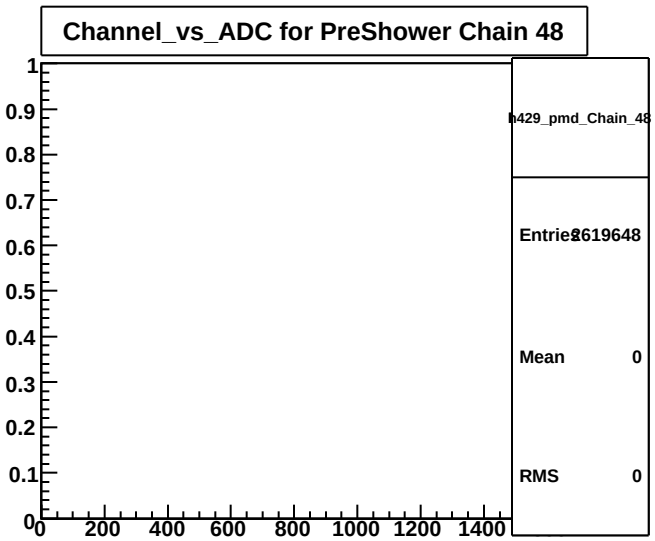

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 2619648
Mean 0
RMS 0

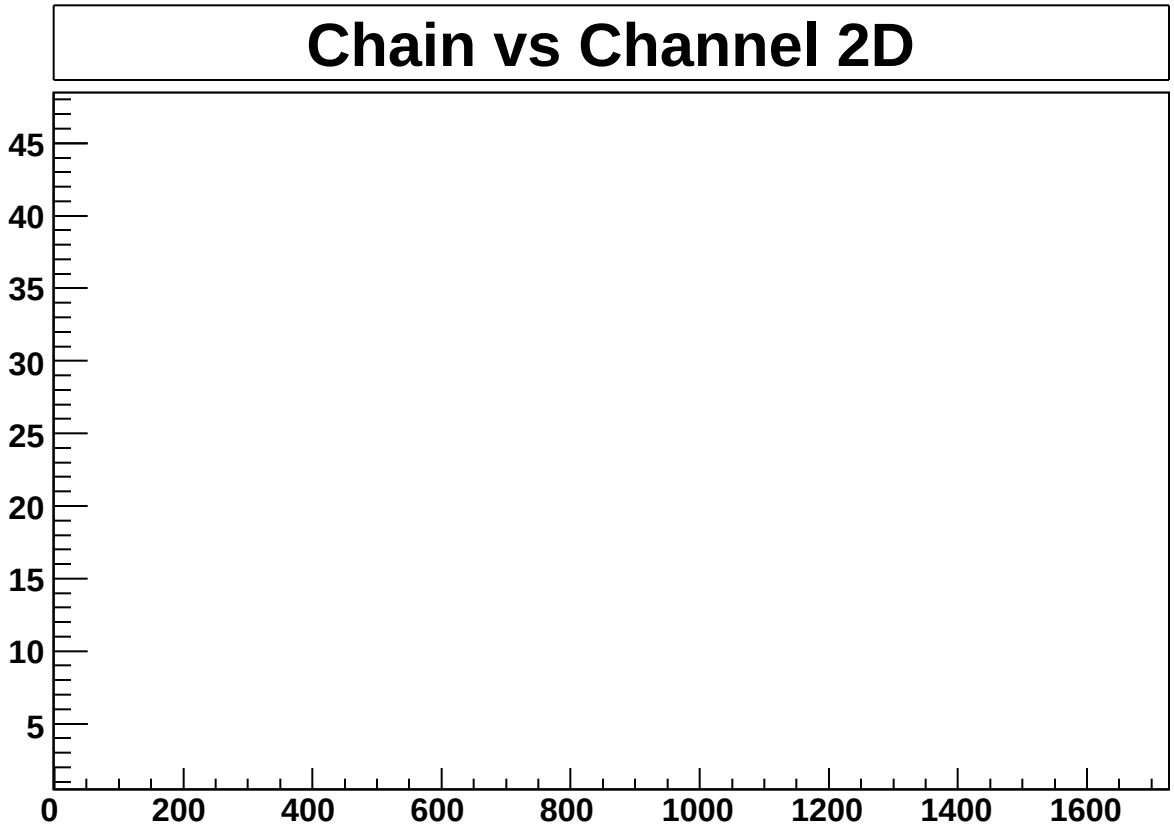

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 2619648
Mean 0
RMS 0

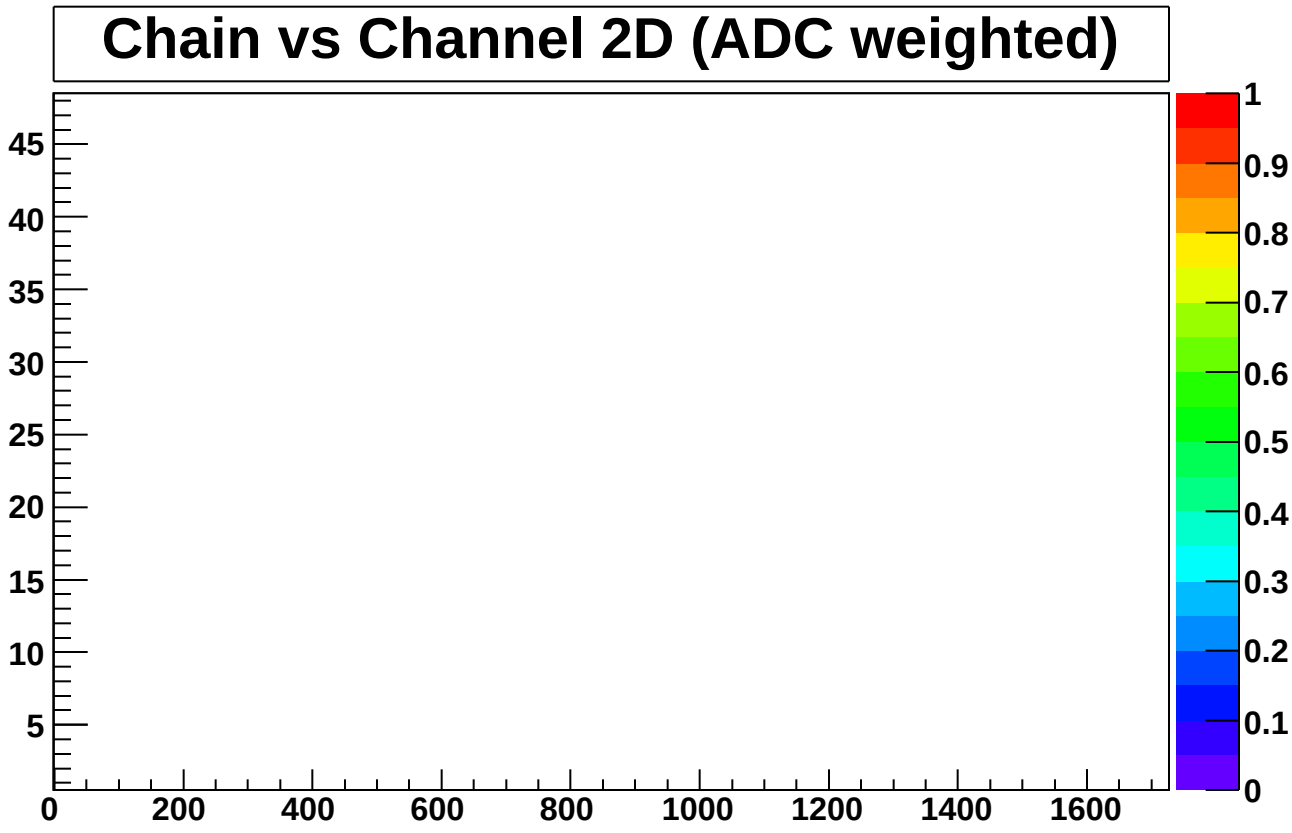

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 2619648
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 2619648
Mean 0
RMS 0

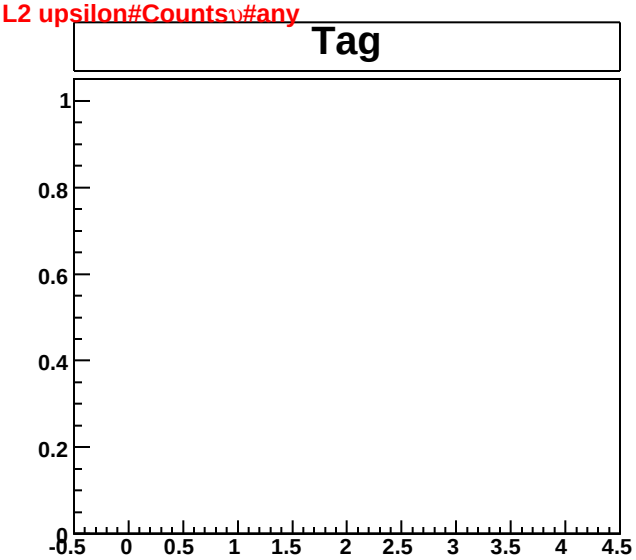

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 2619648
Mean 0
RMS 0

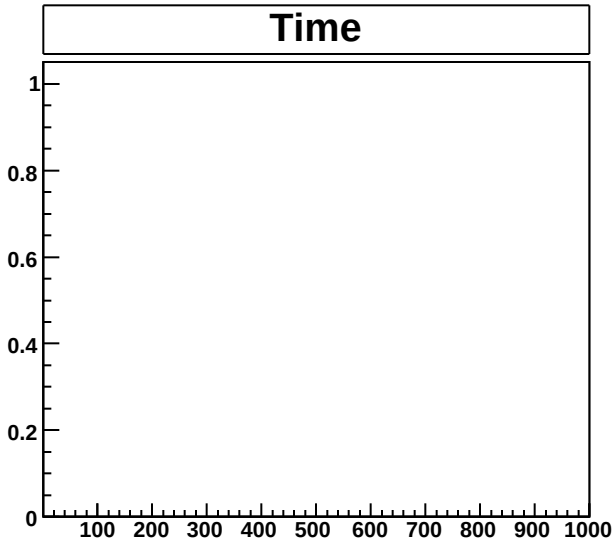

Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 2619648
Mean 0
RMS 0

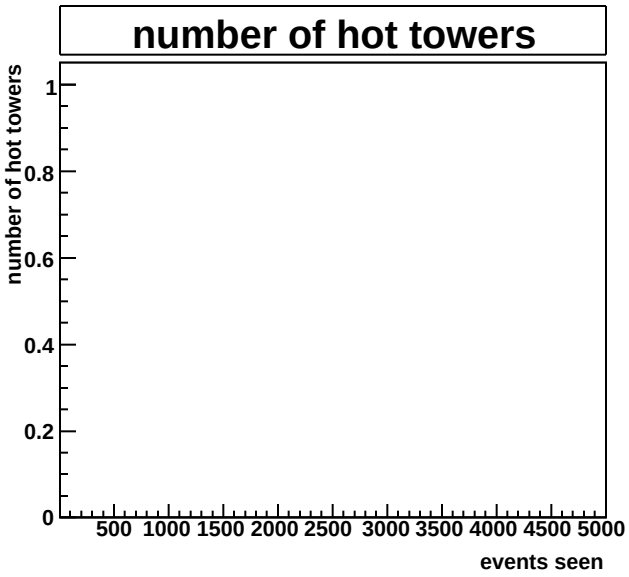

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

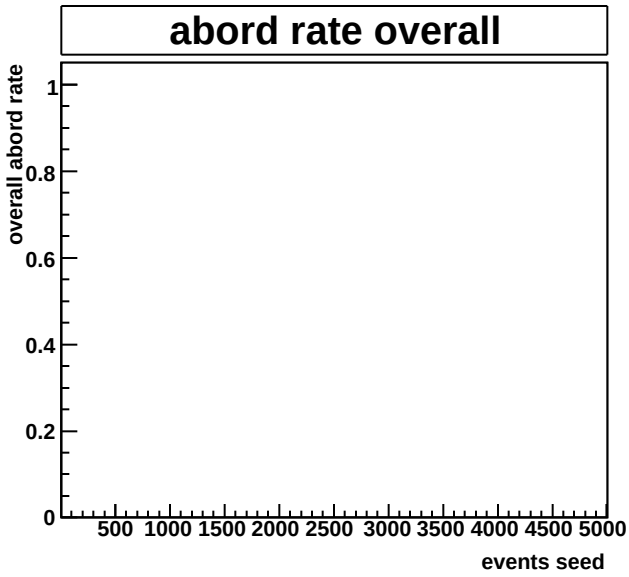

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

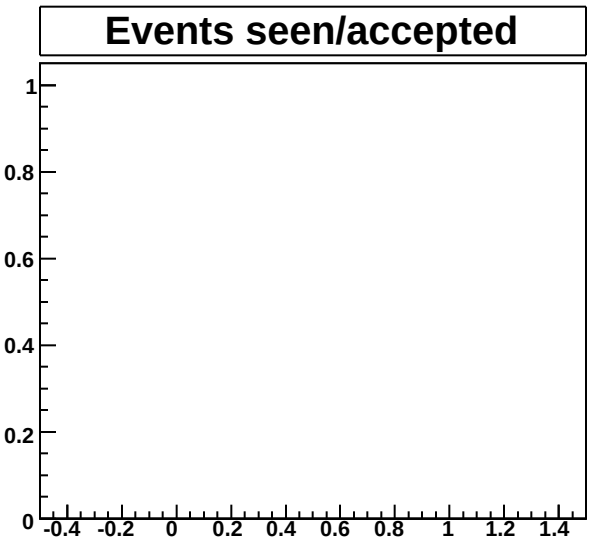
L2 upsilon#Countsυ#any

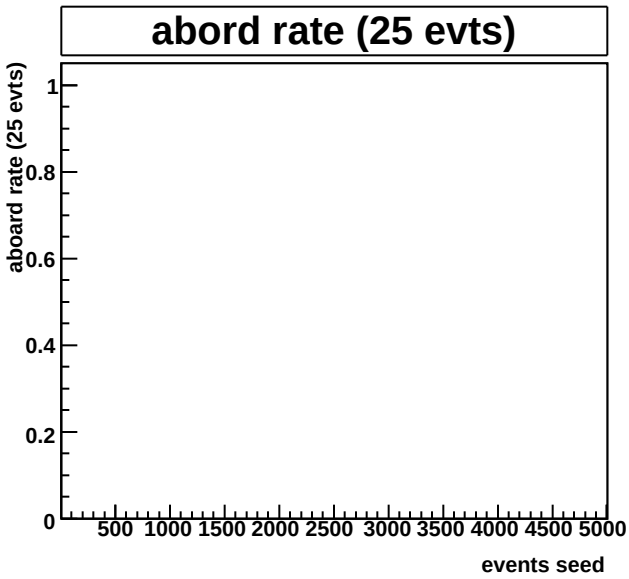


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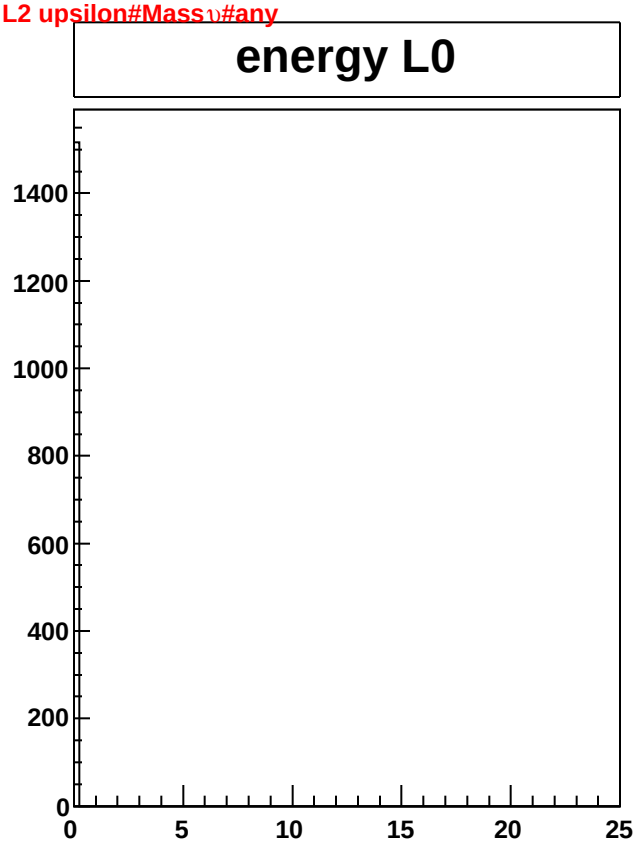


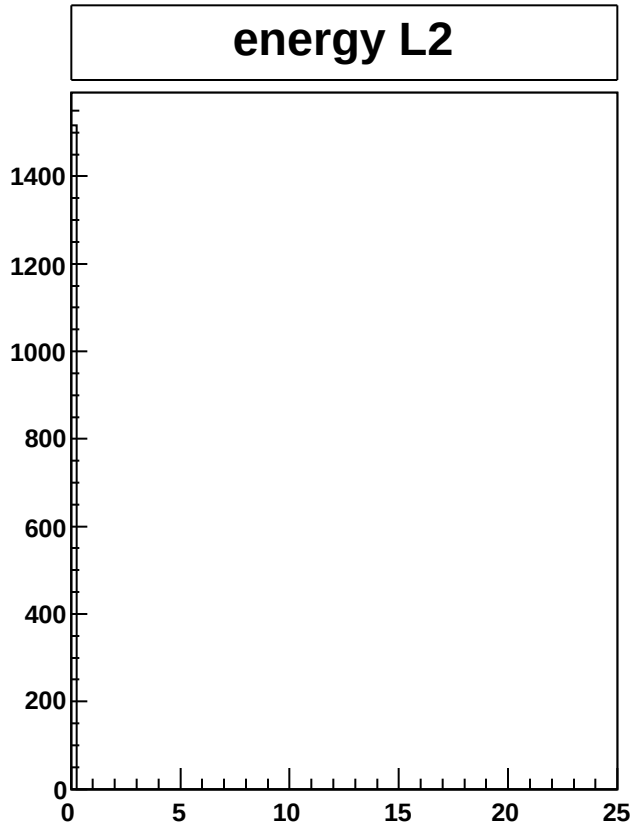


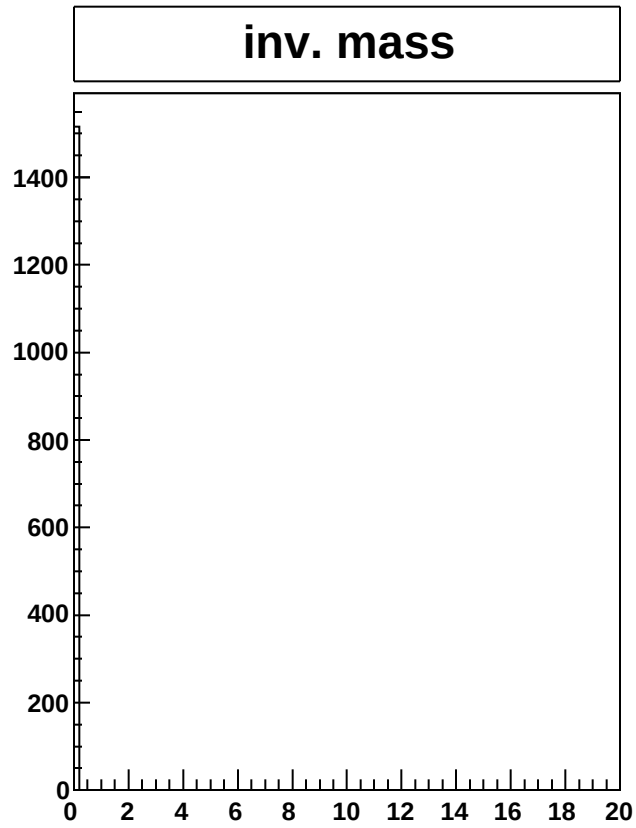


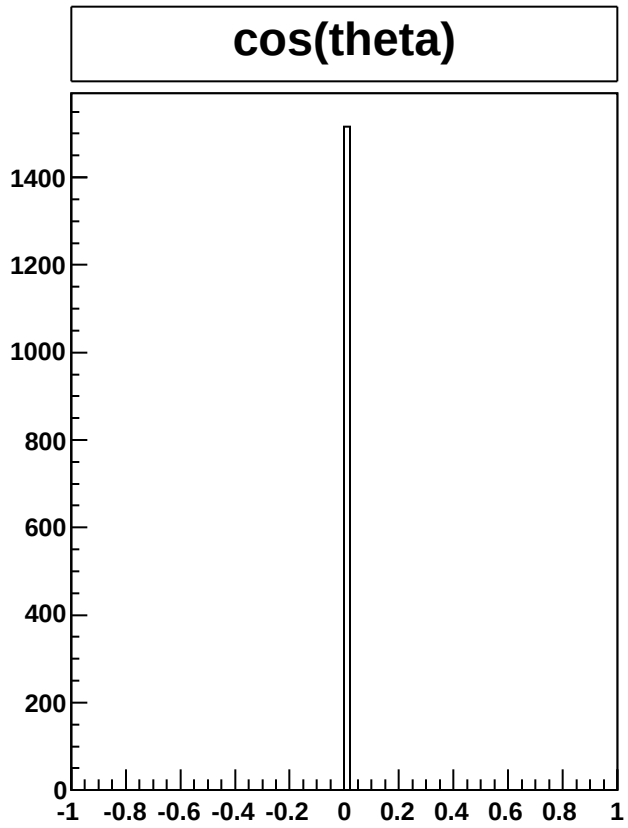

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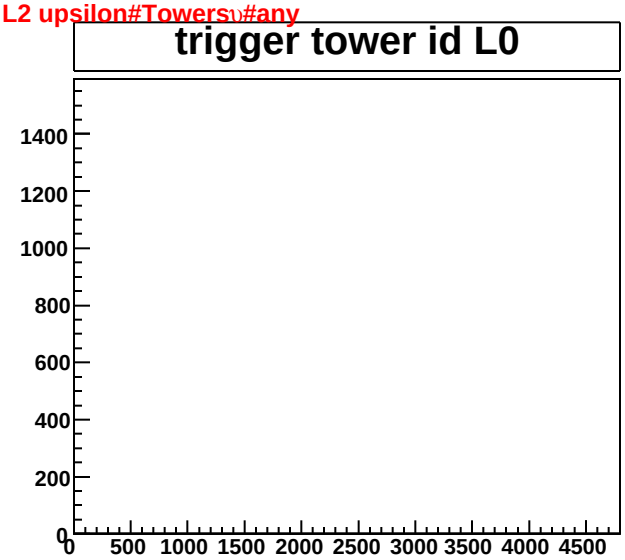


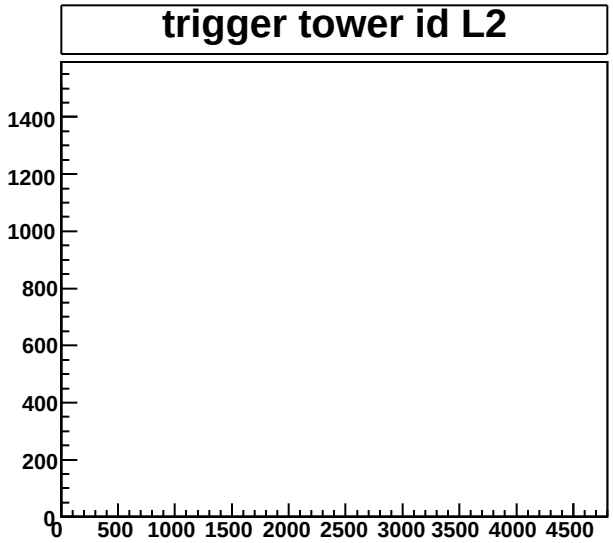


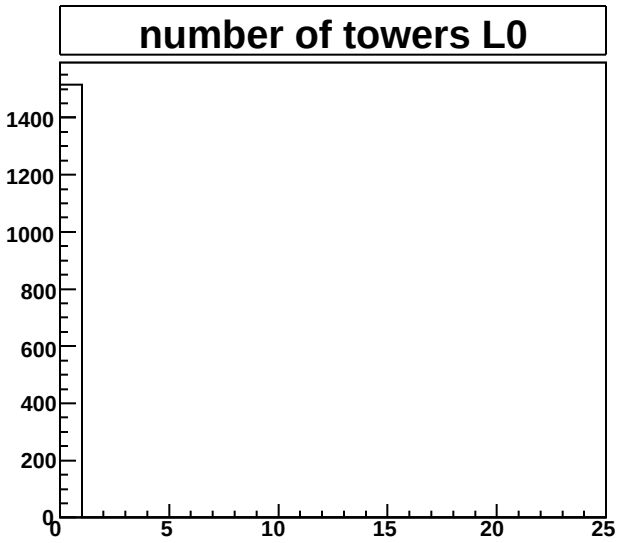


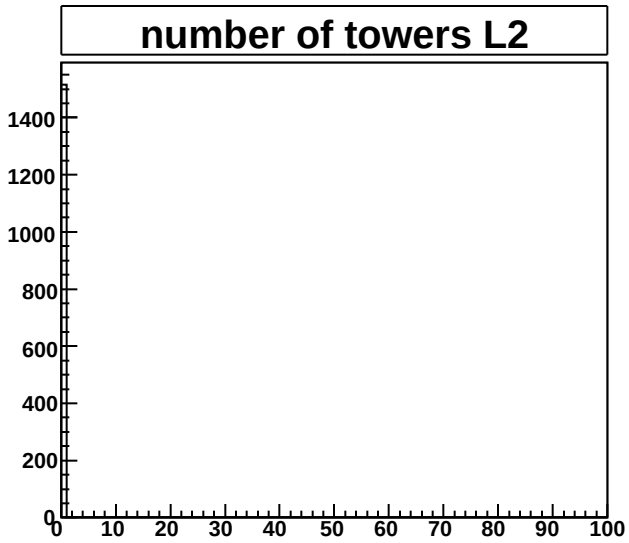


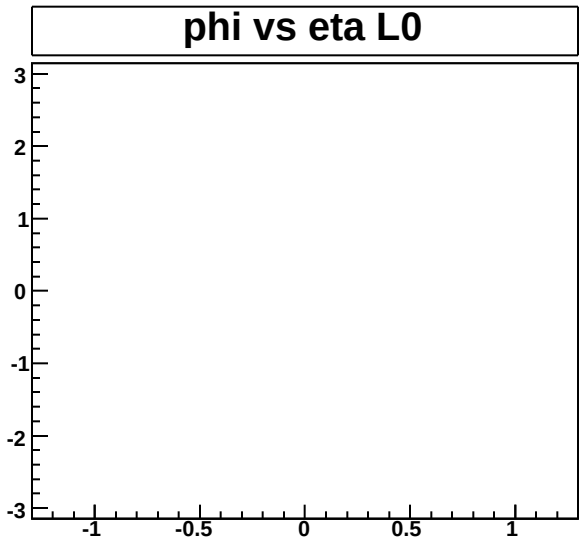


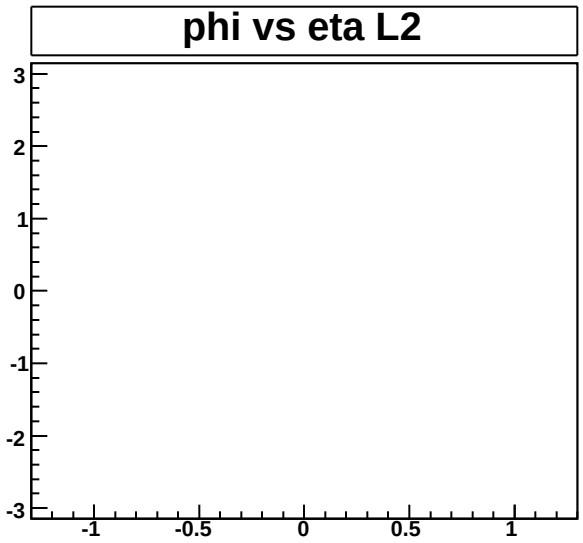

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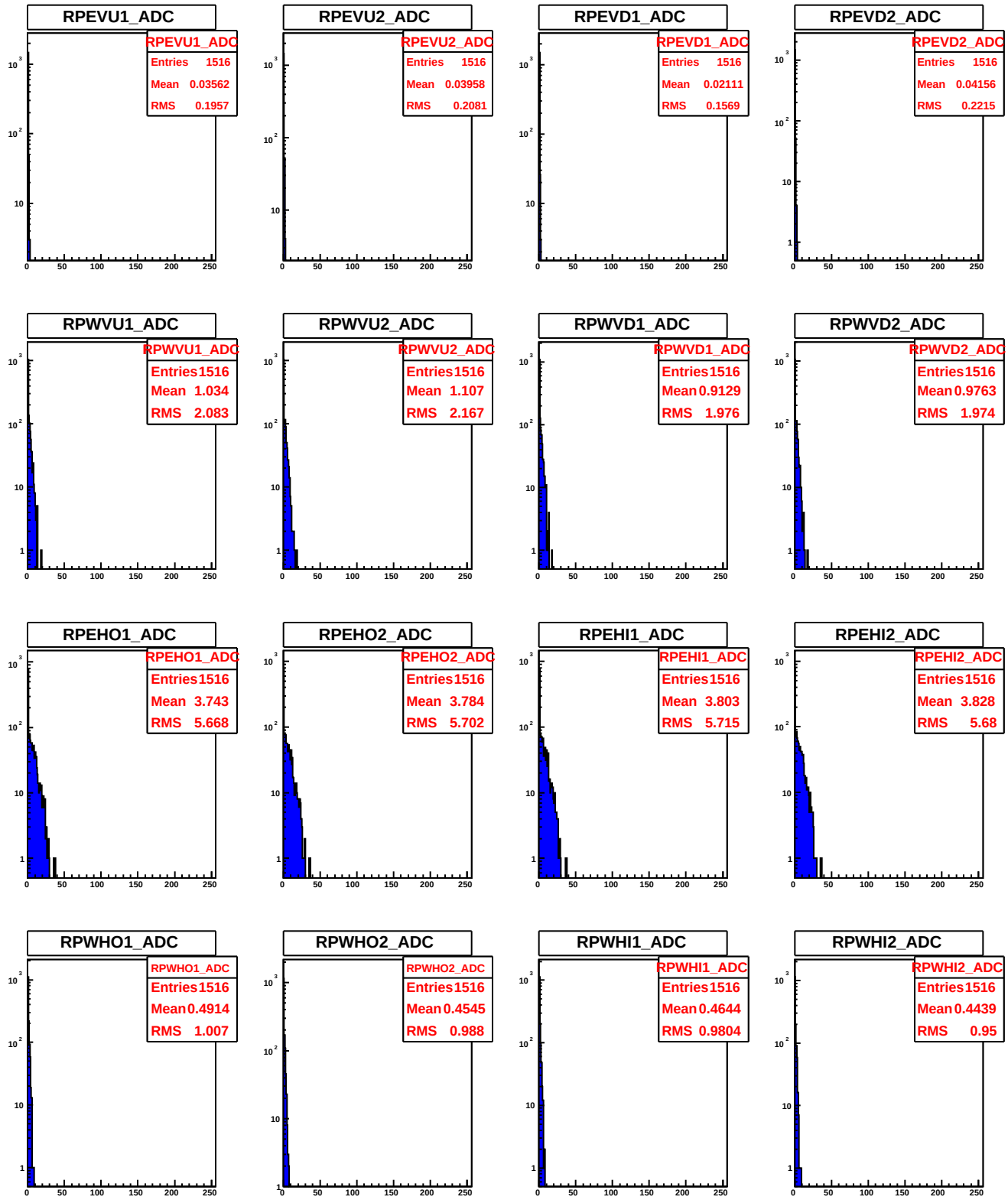


Sun Mar 20 20:25:38 2011

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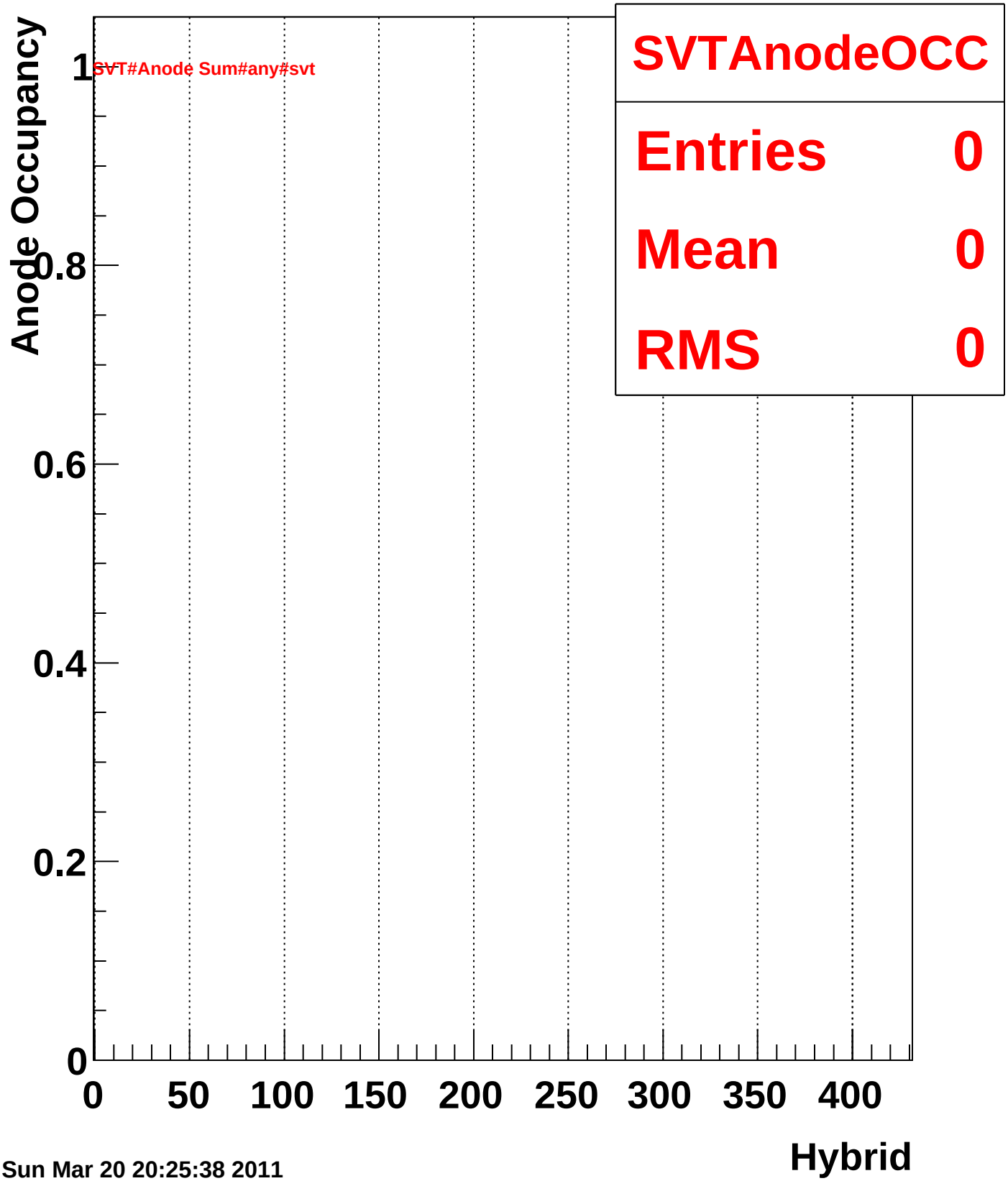
# Run: #12079039

Sun Mar 20 20:25:38 2011

# SVTAnodeOCC

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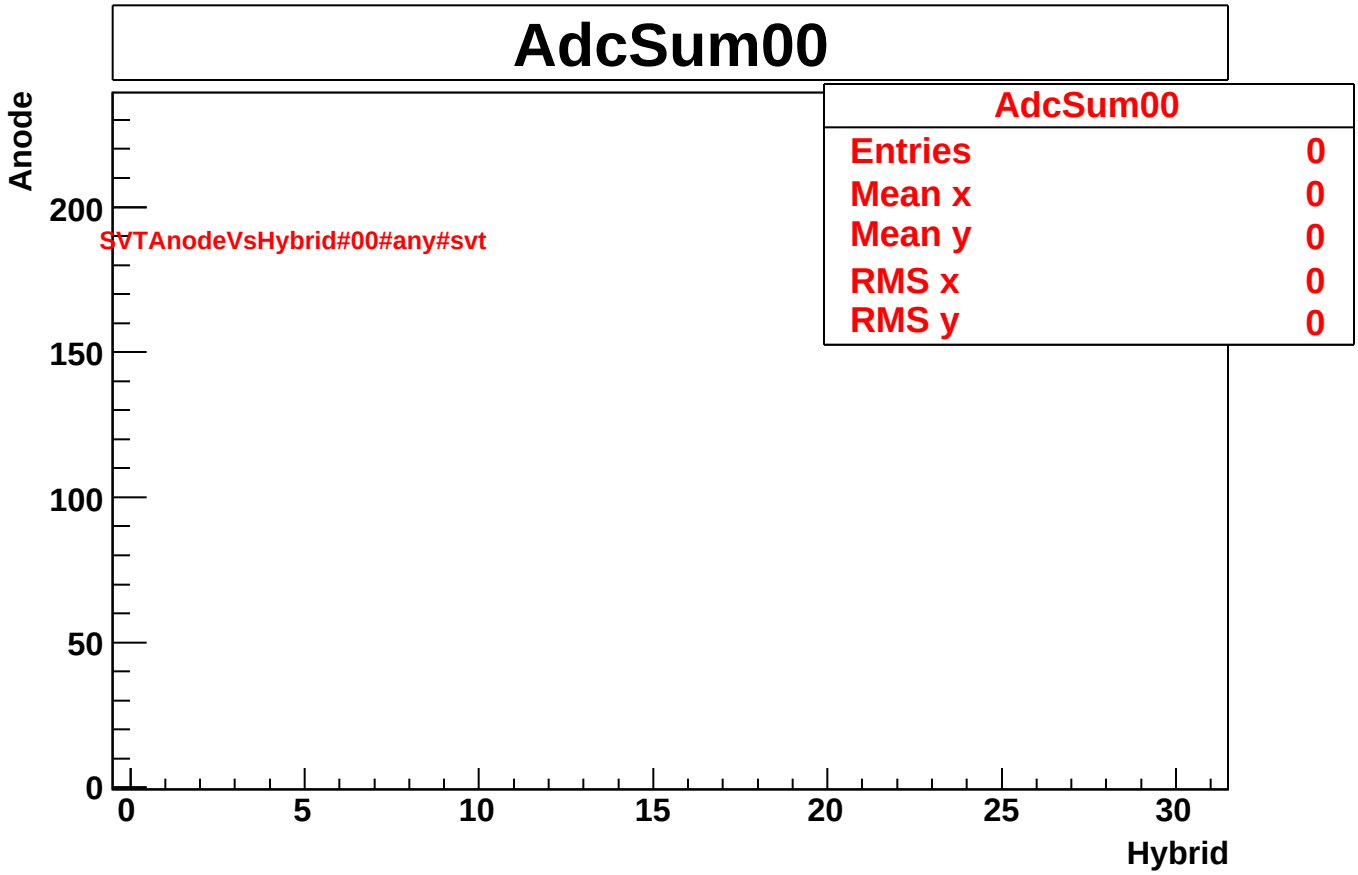
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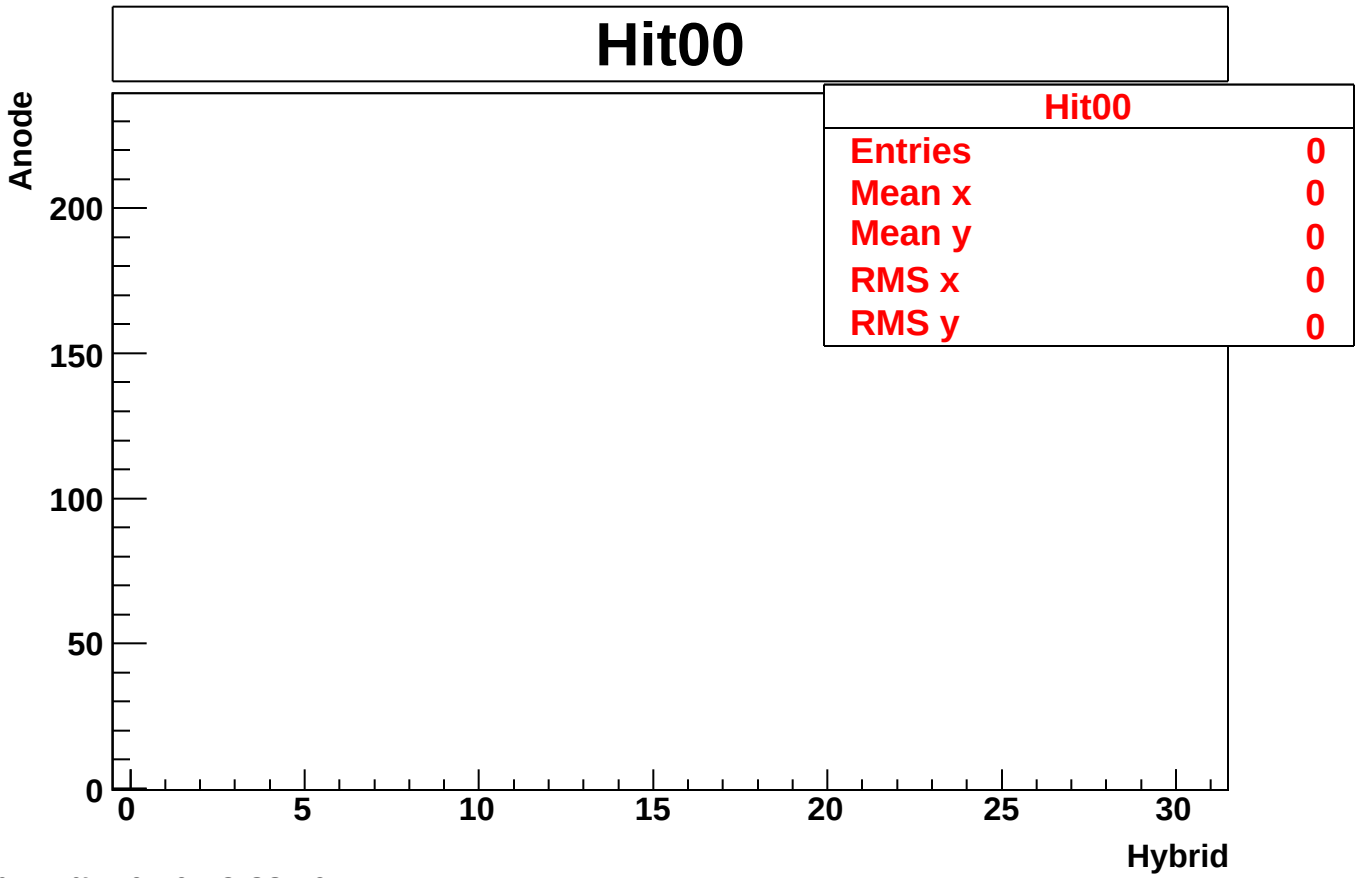
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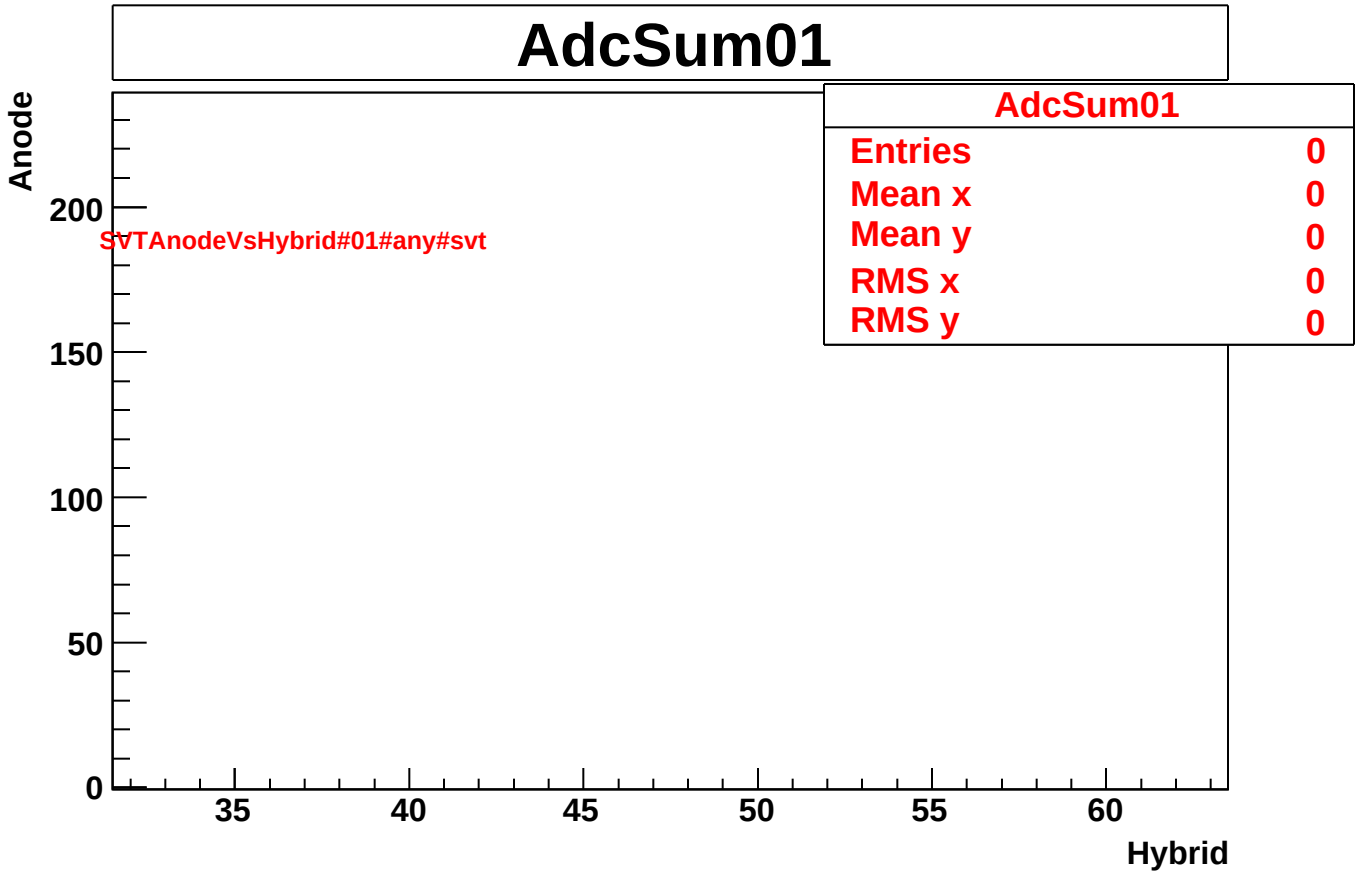
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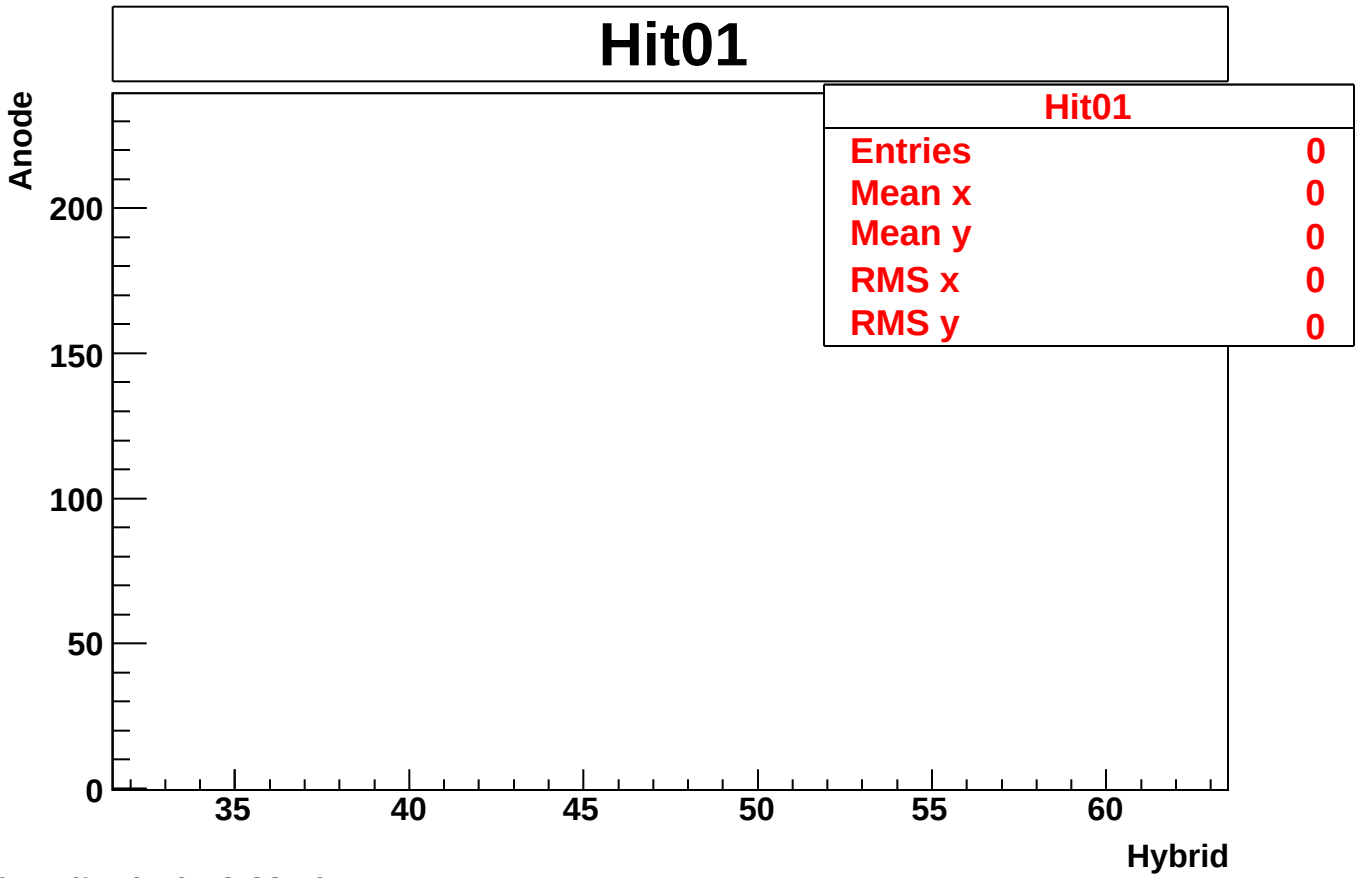
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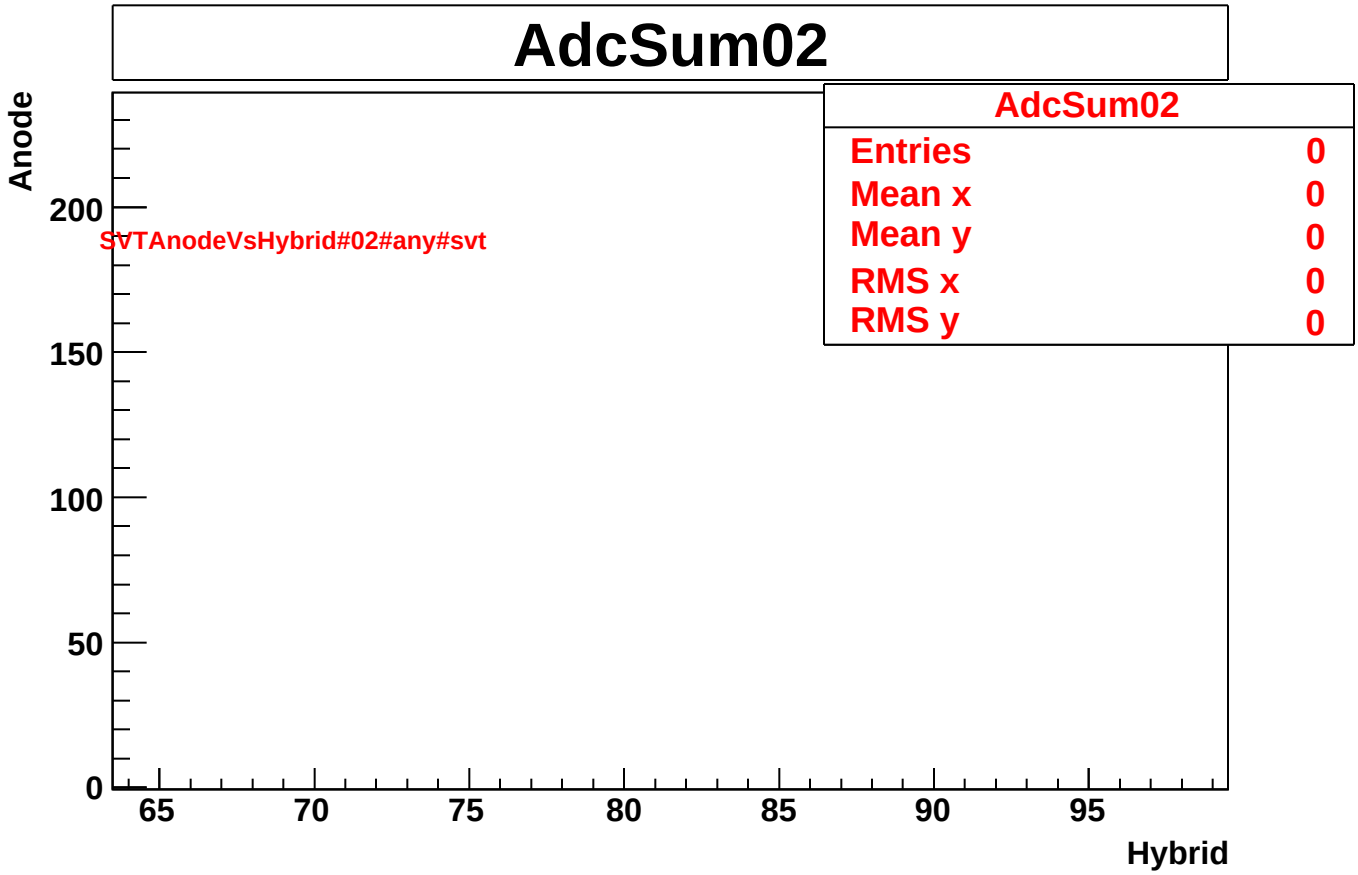
Hybrid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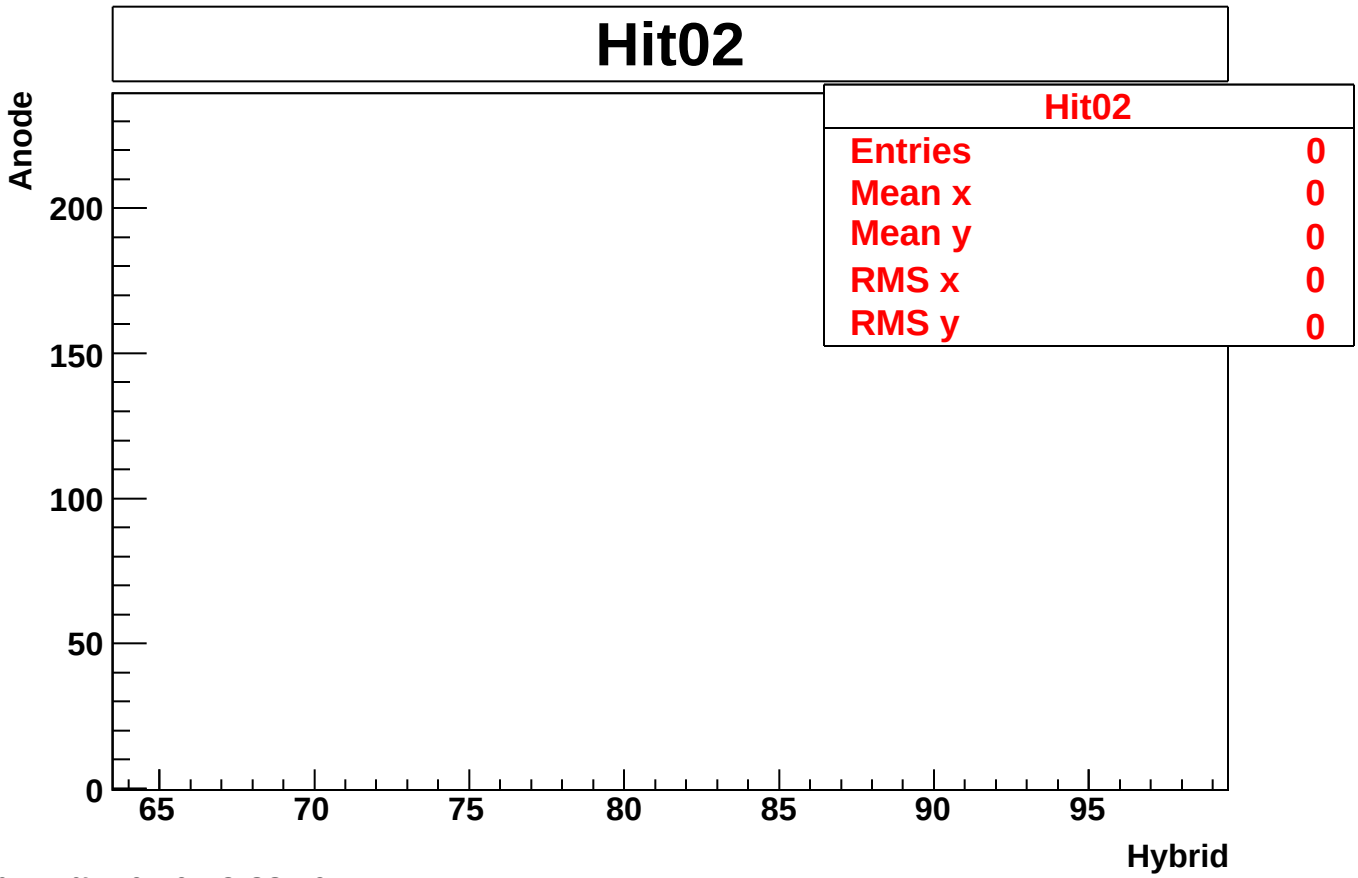
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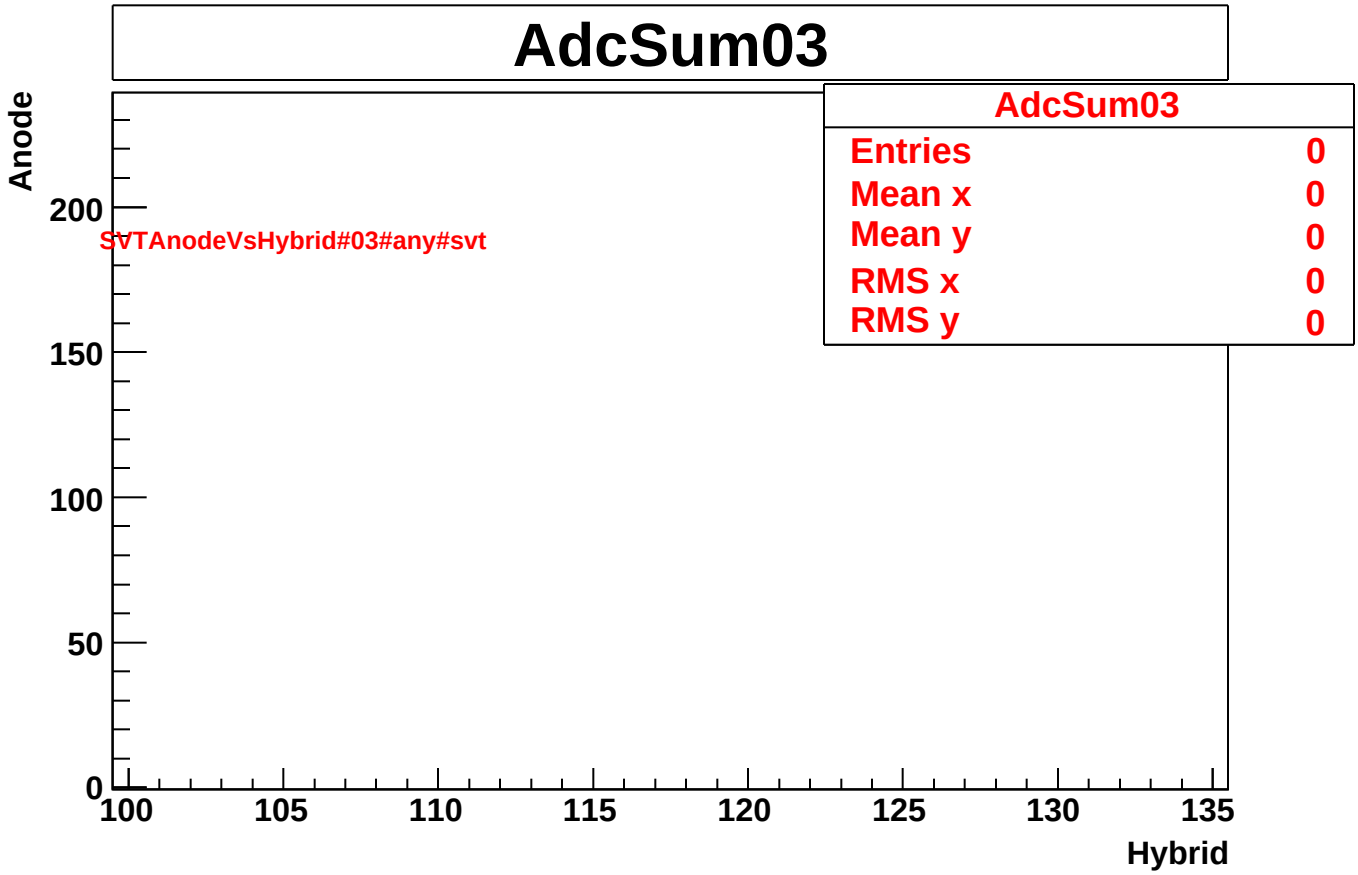
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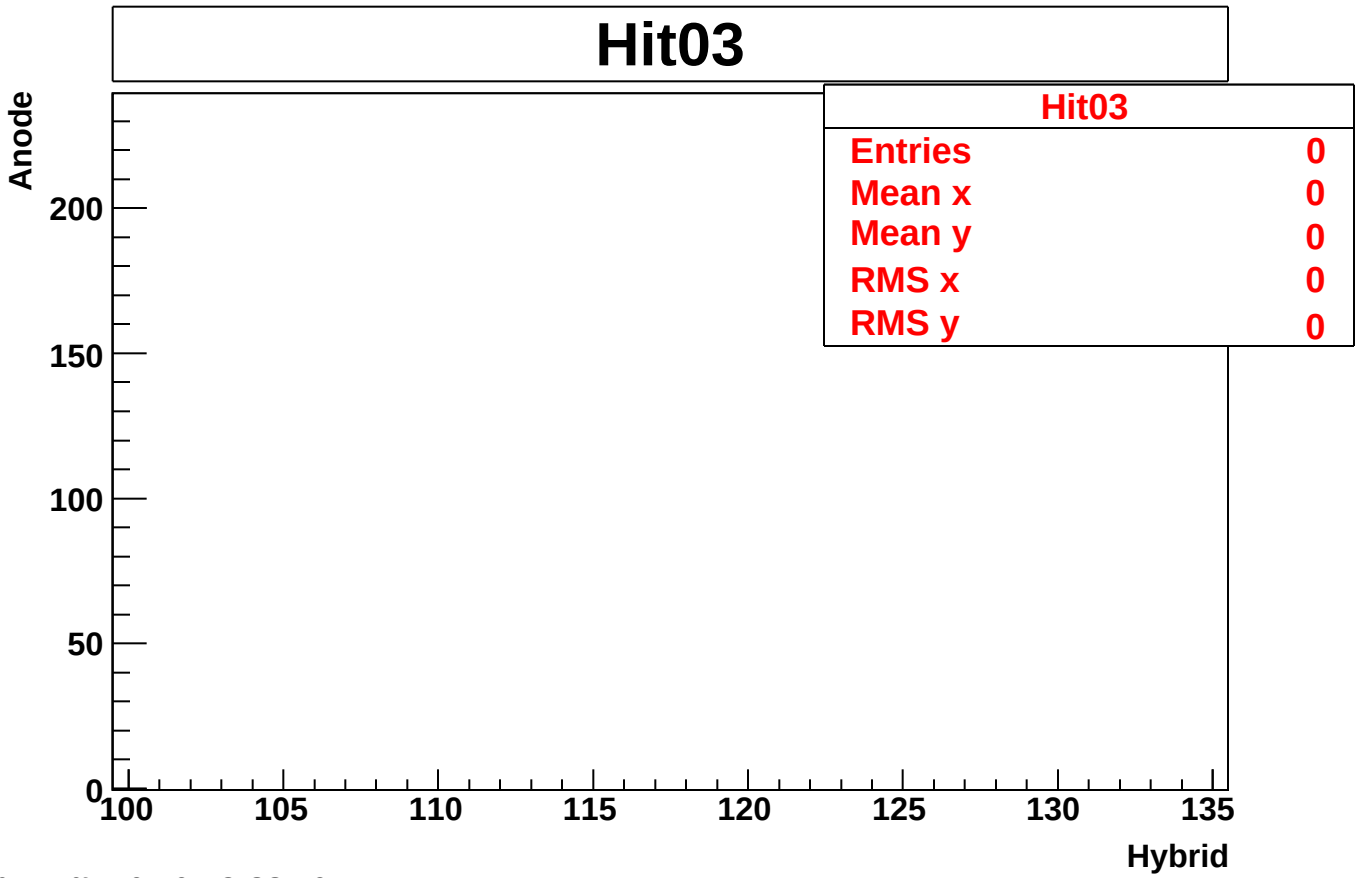
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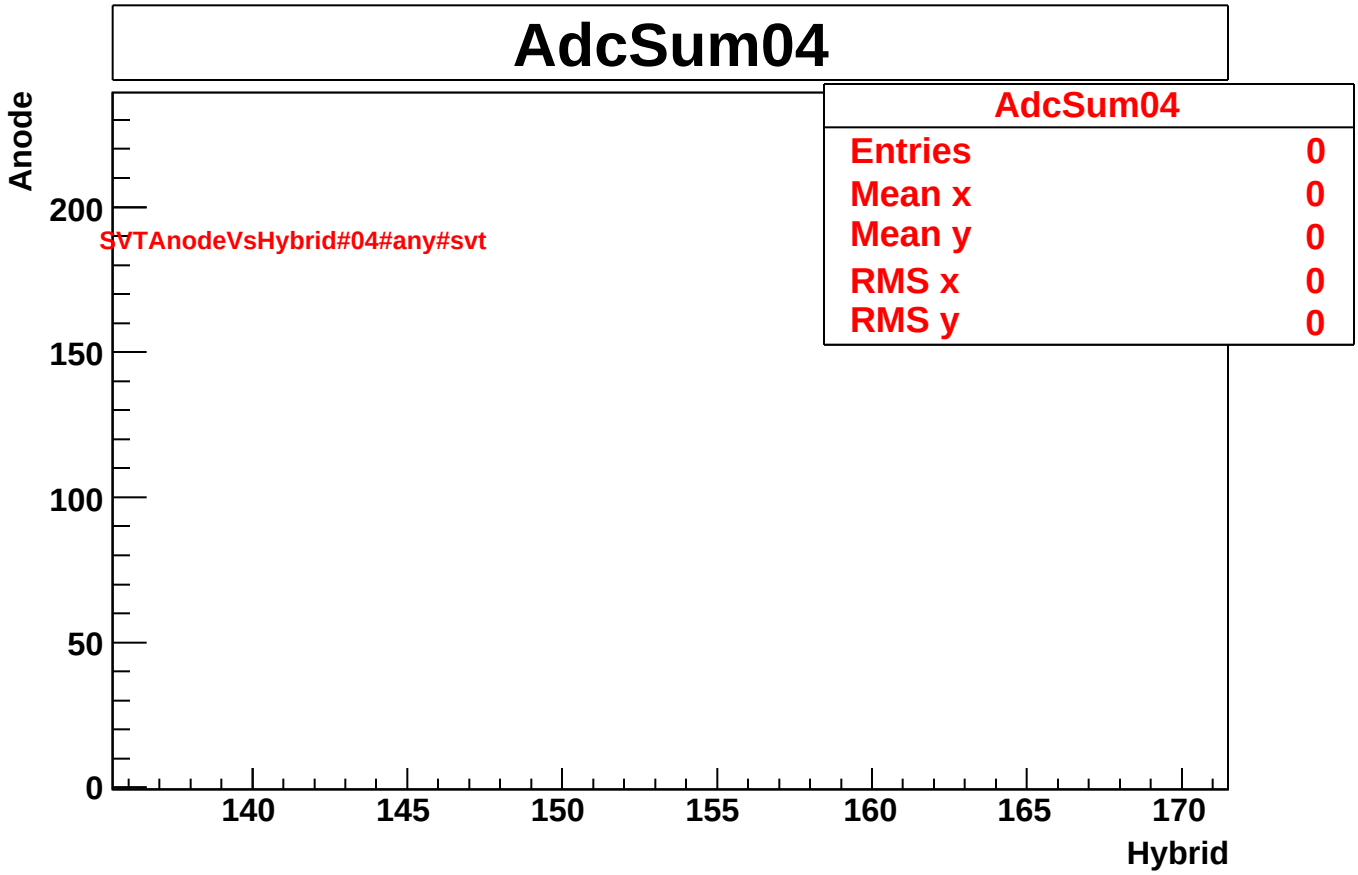
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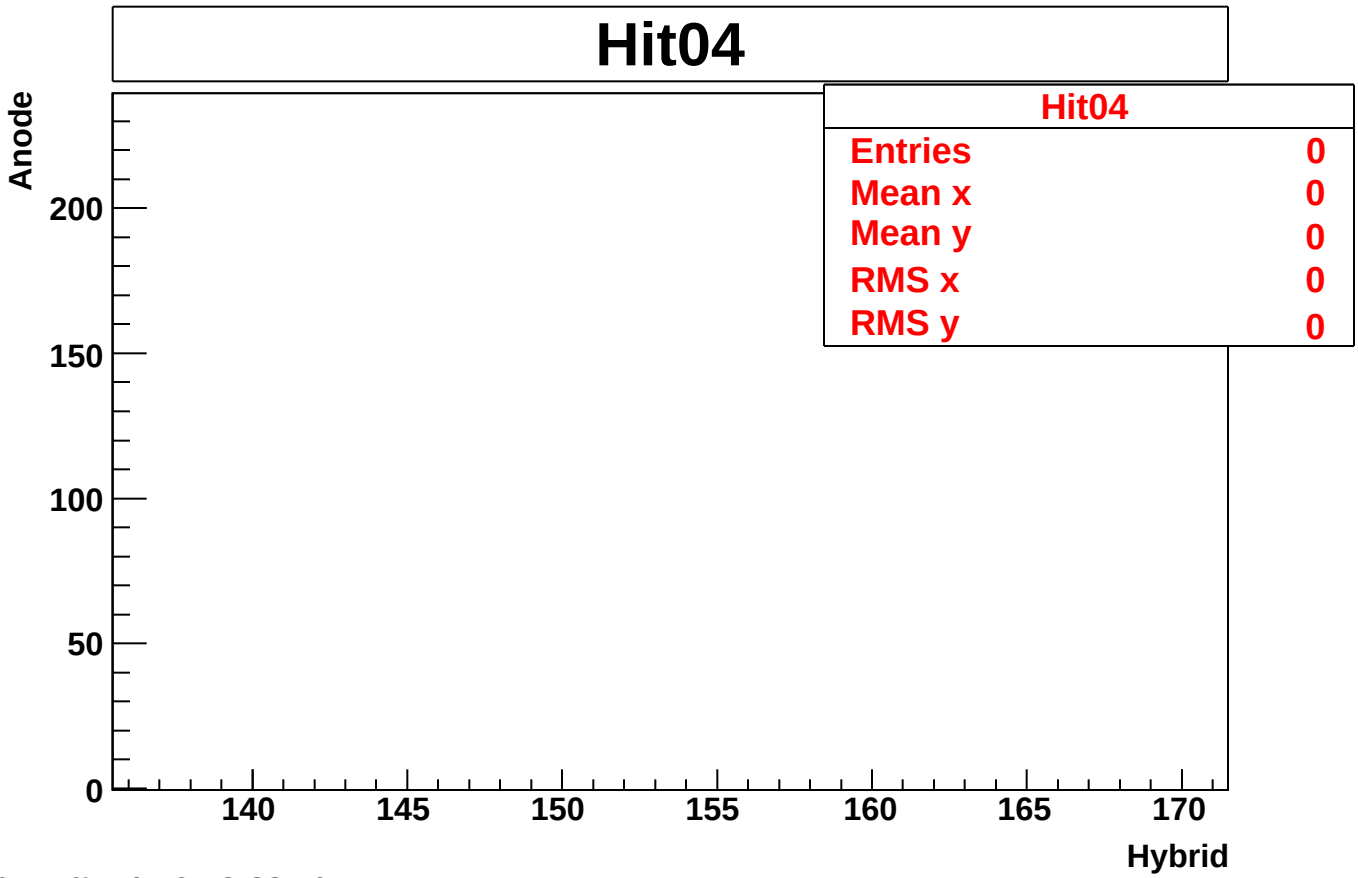
170
Hybrid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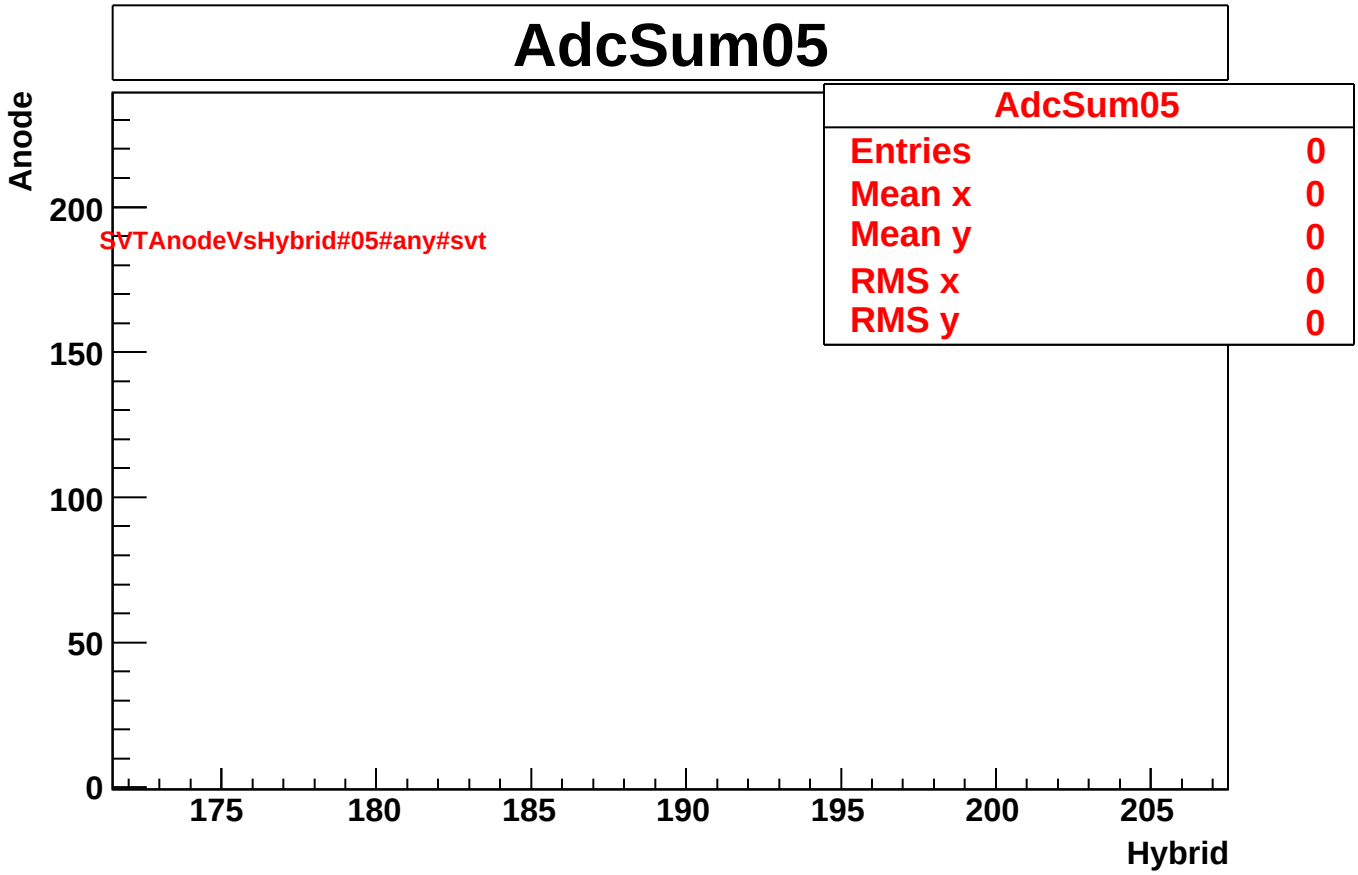
Hybrid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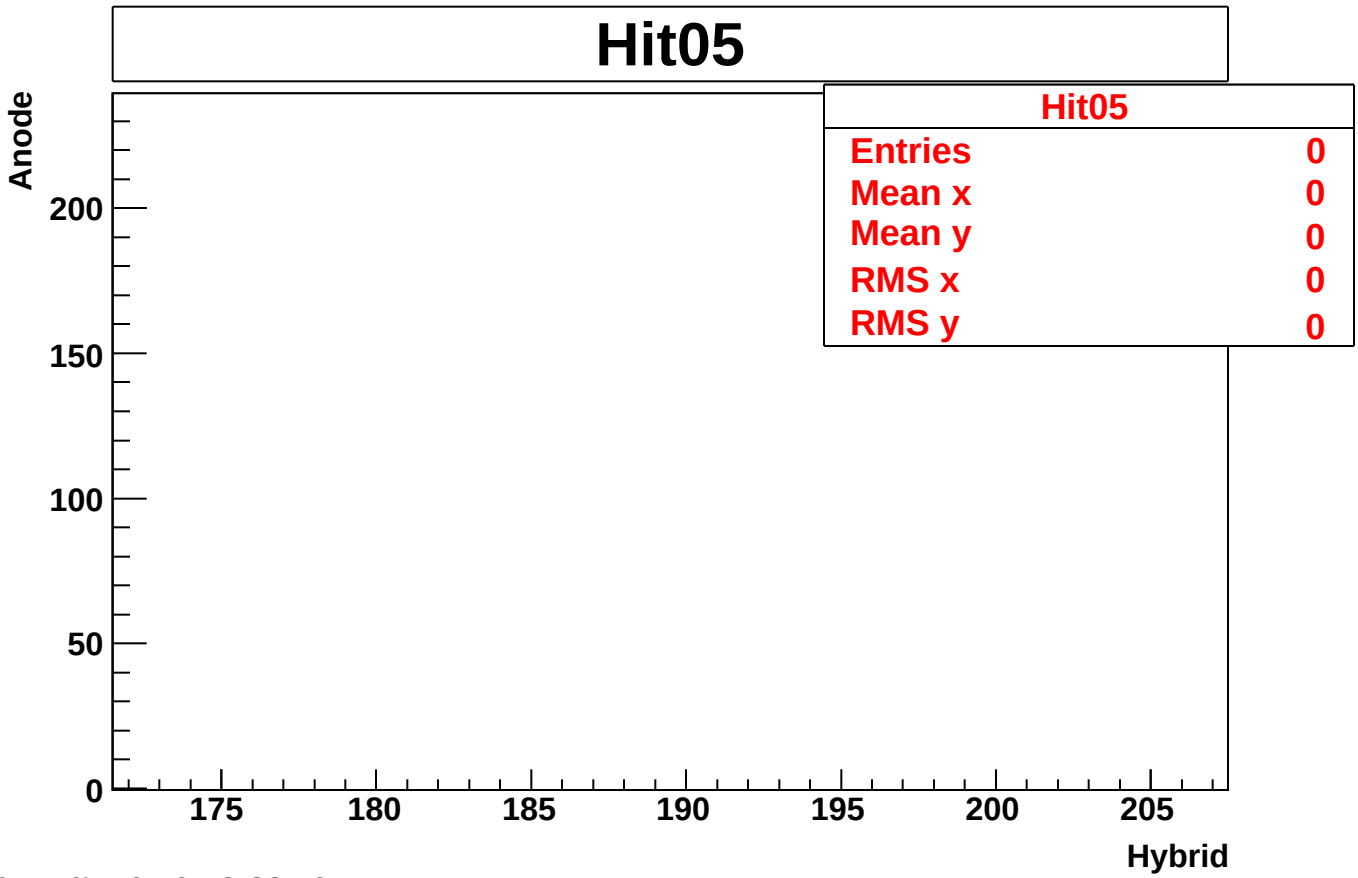
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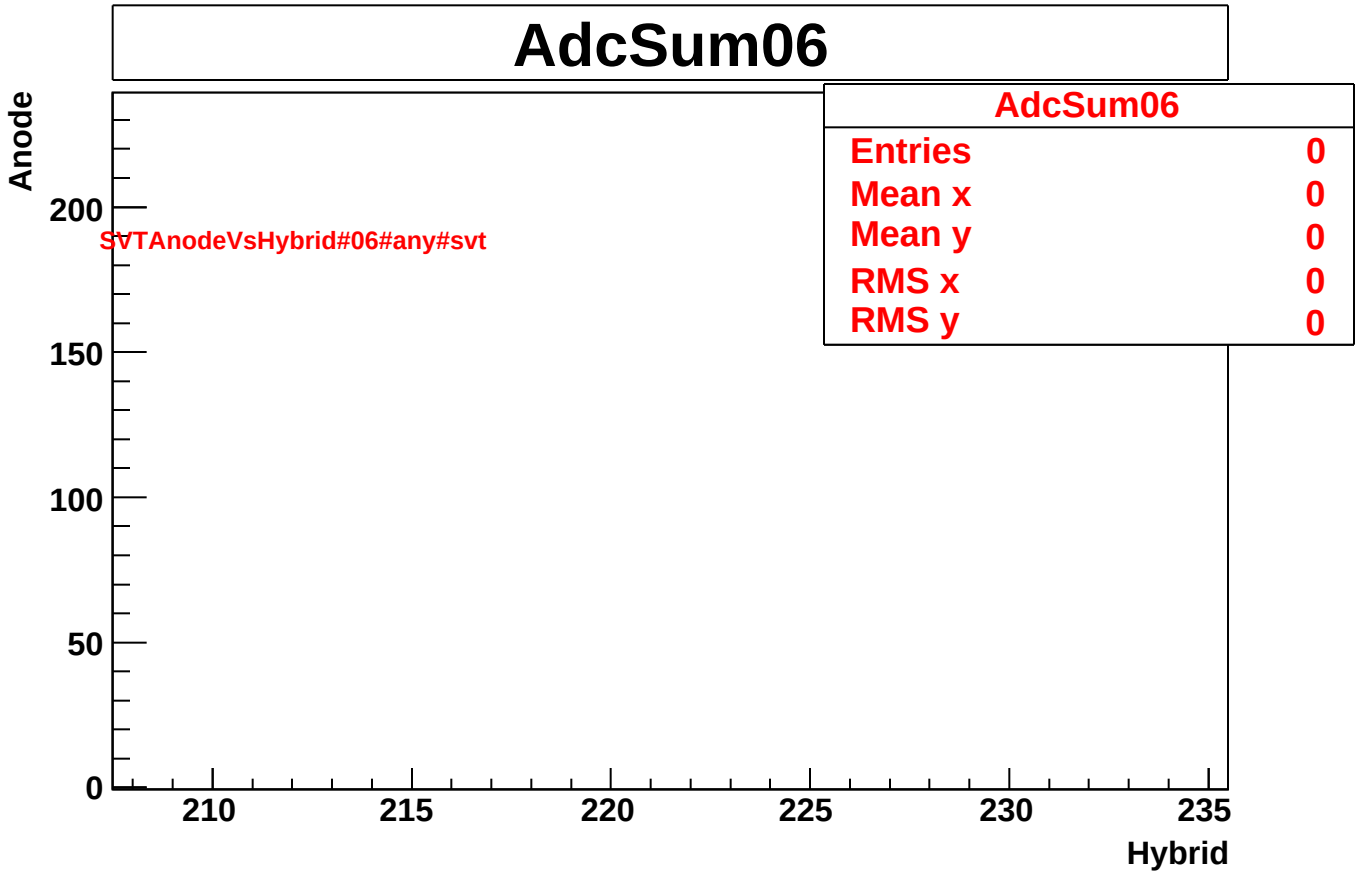
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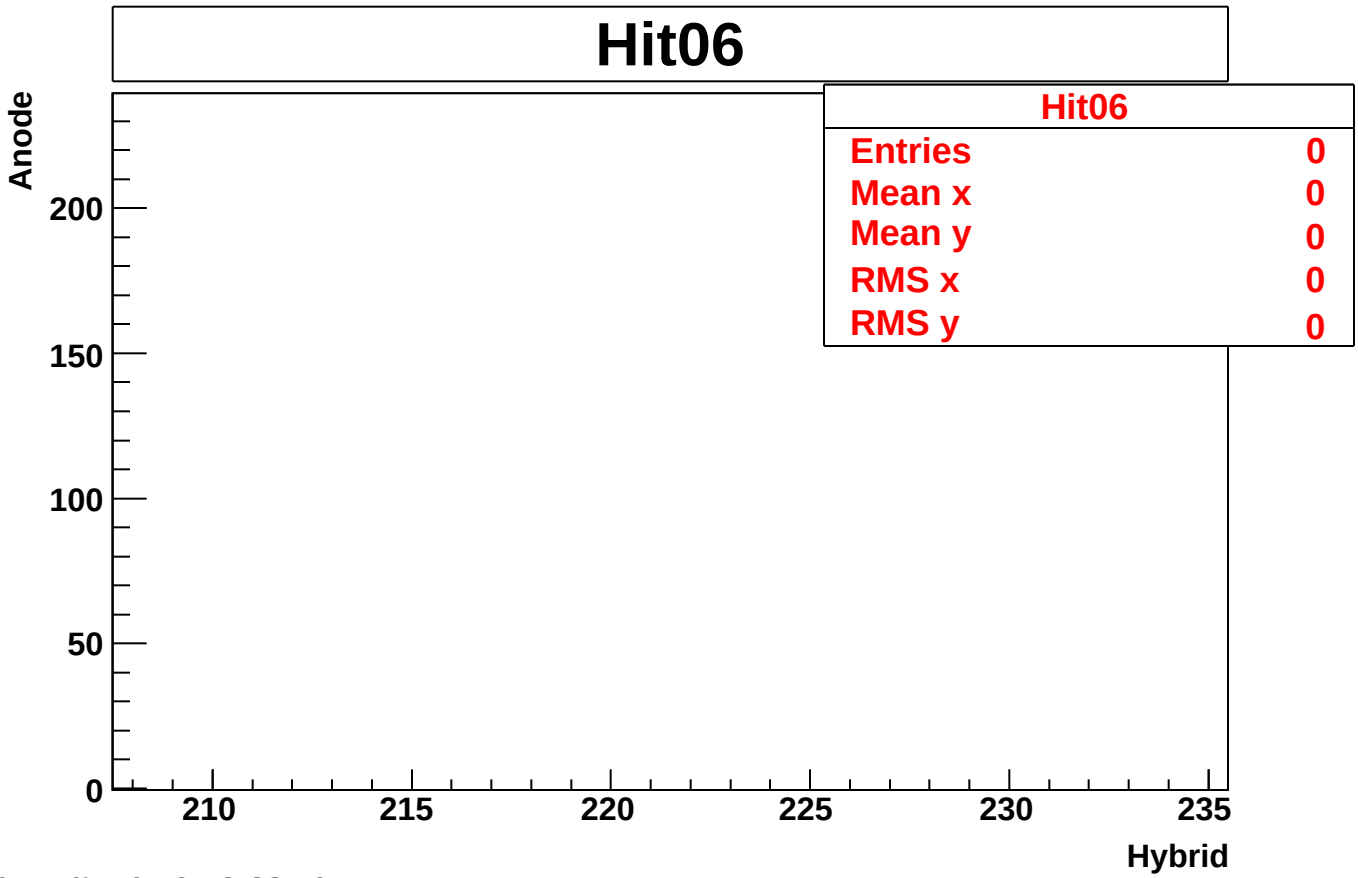
Hybrid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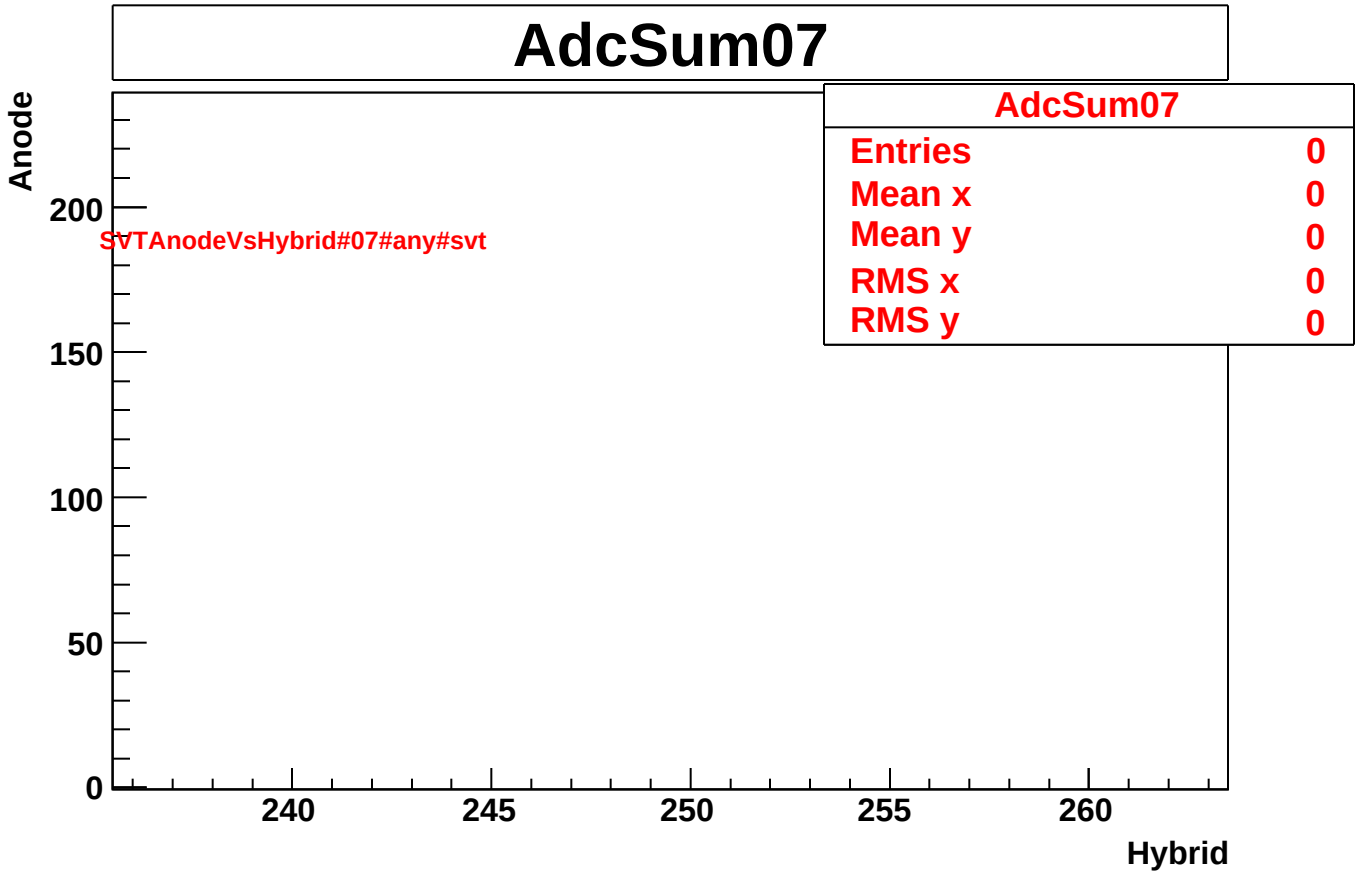
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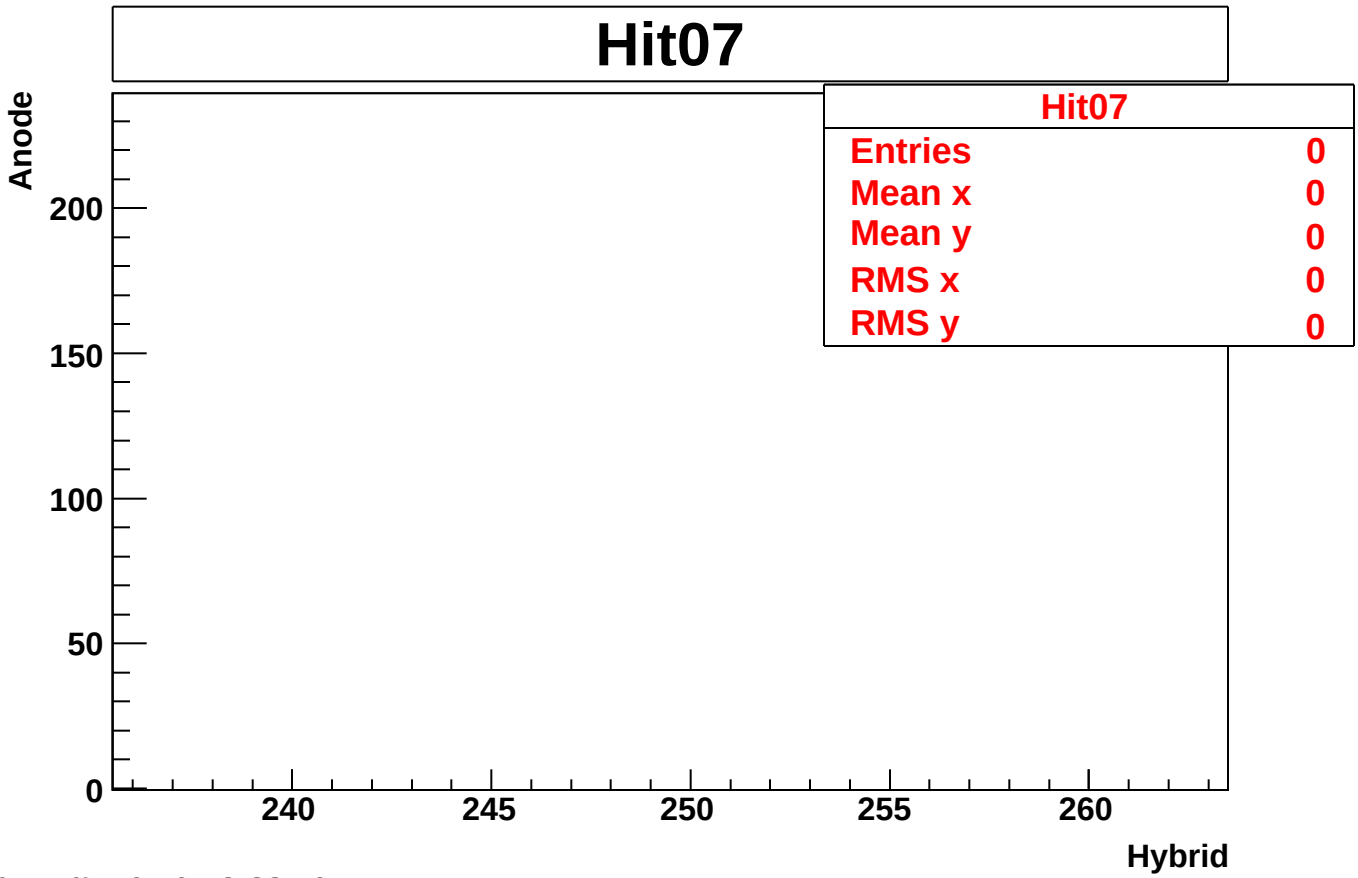
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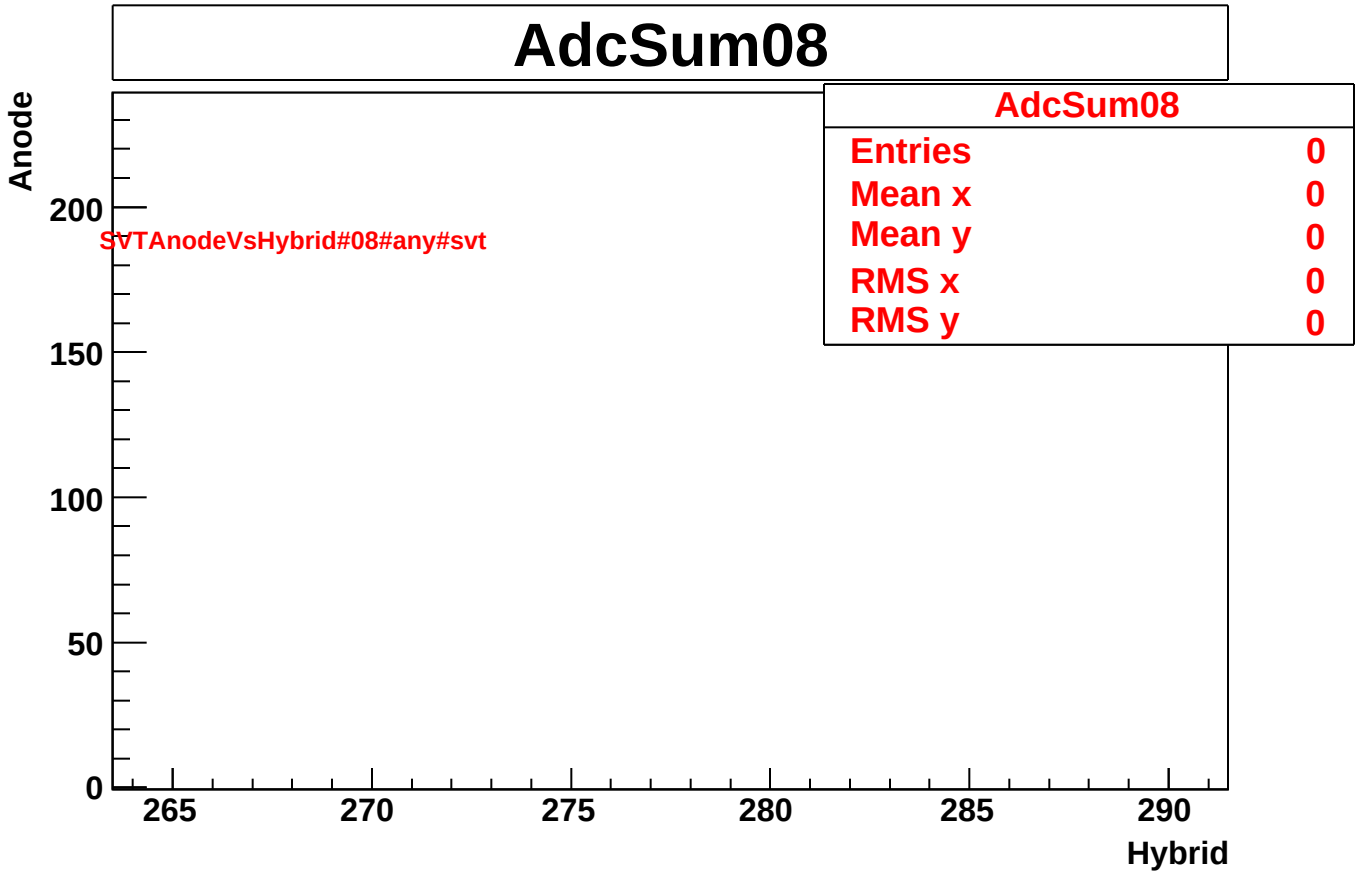
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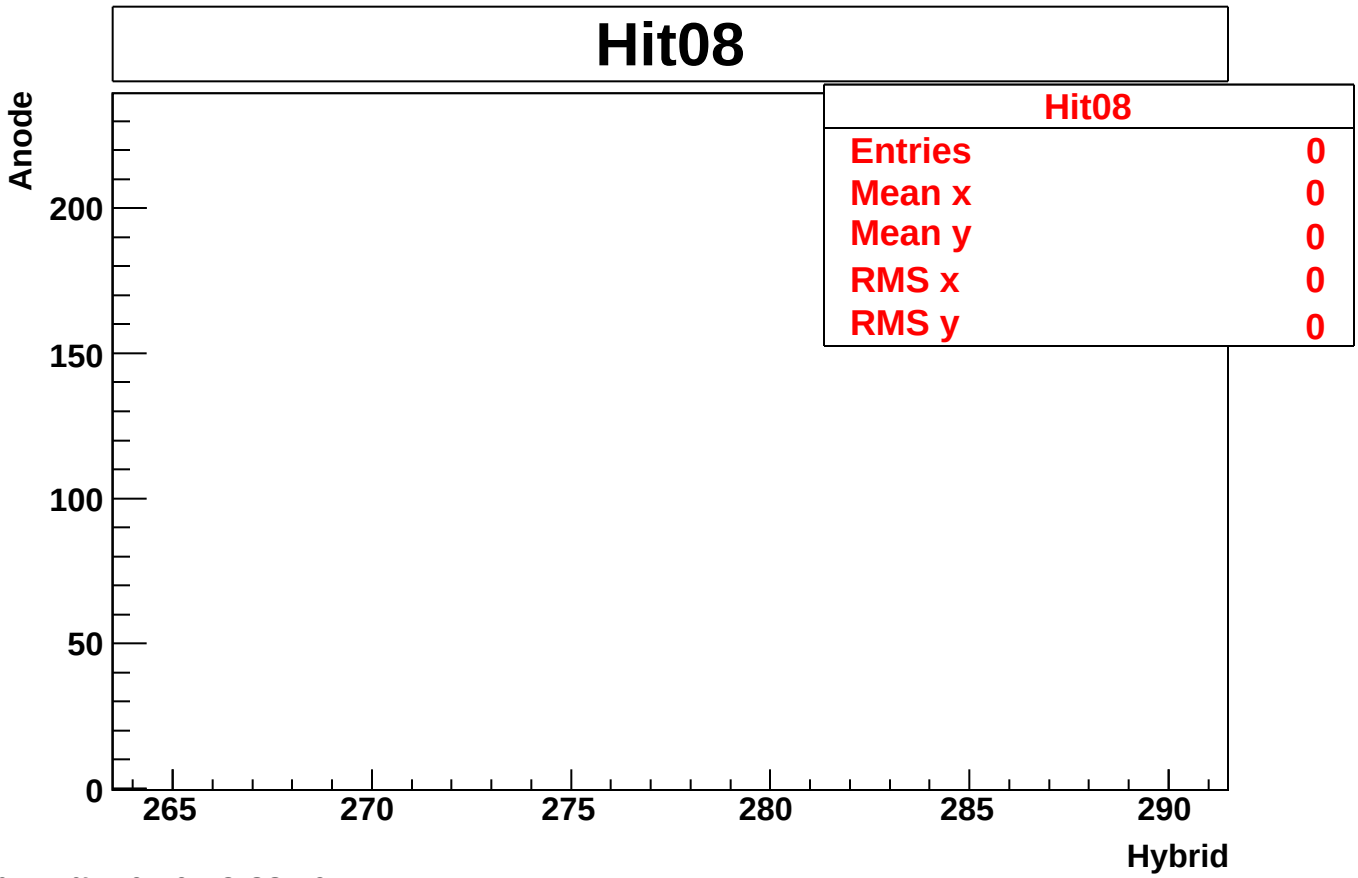
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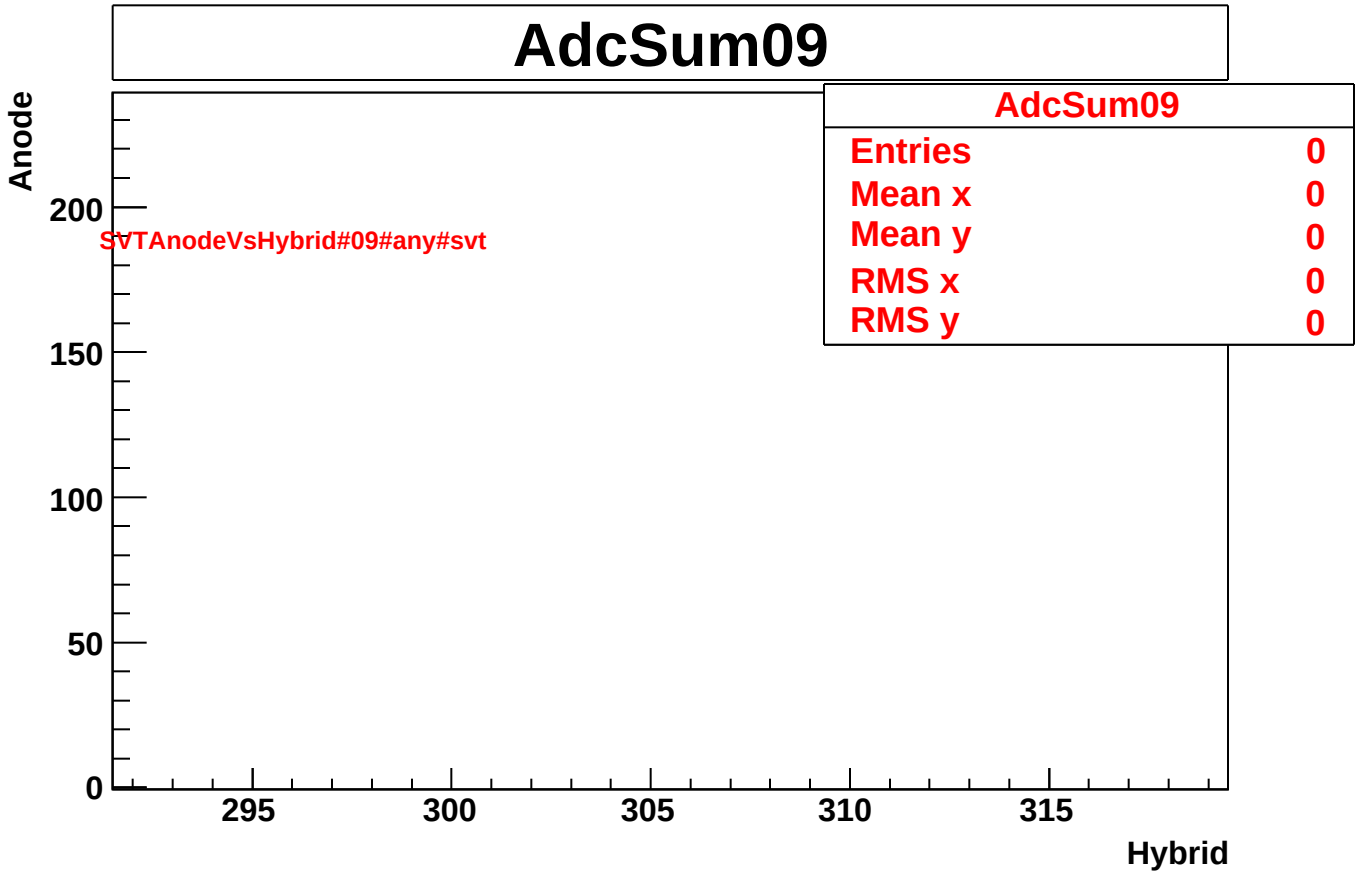
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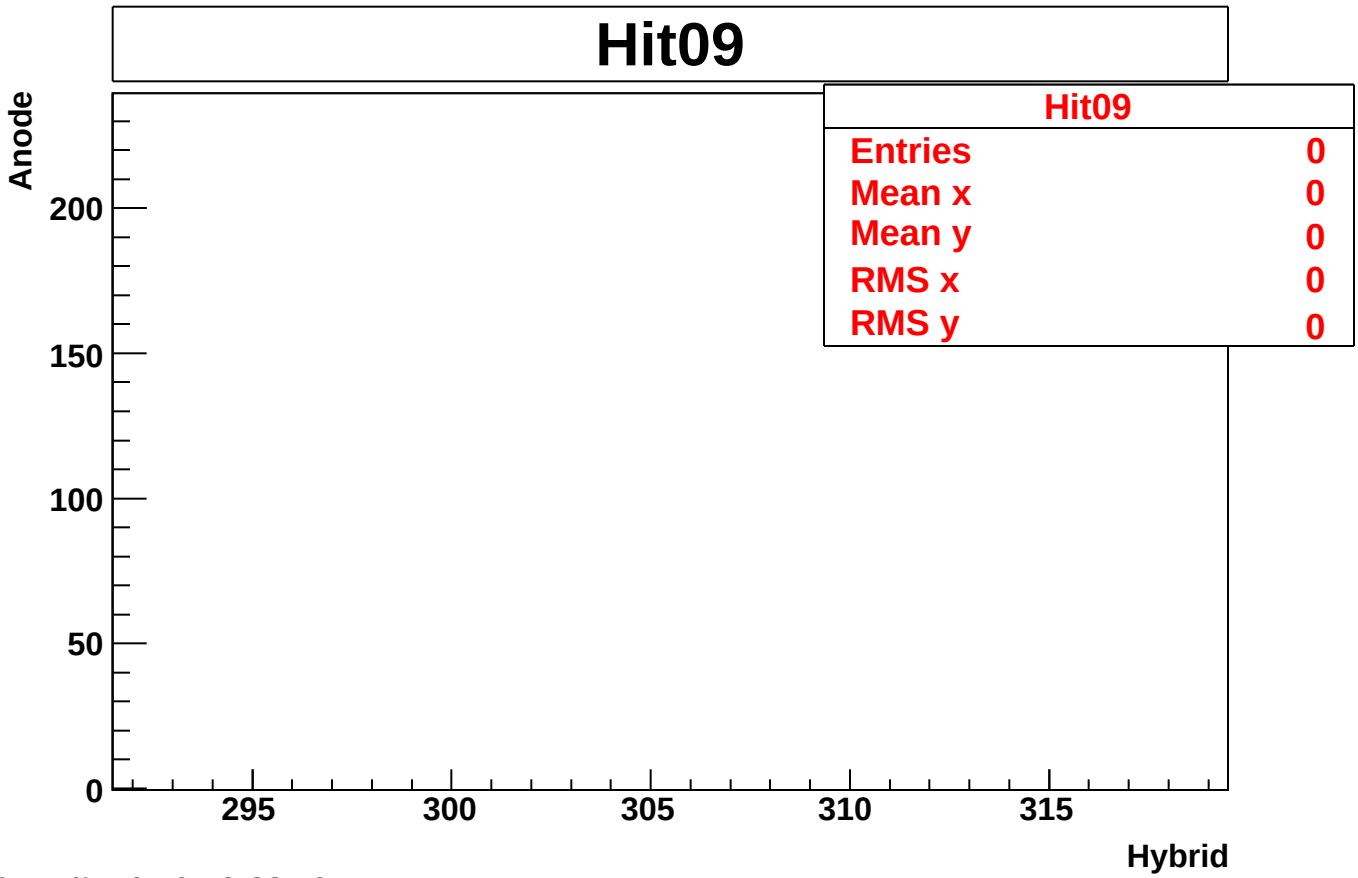
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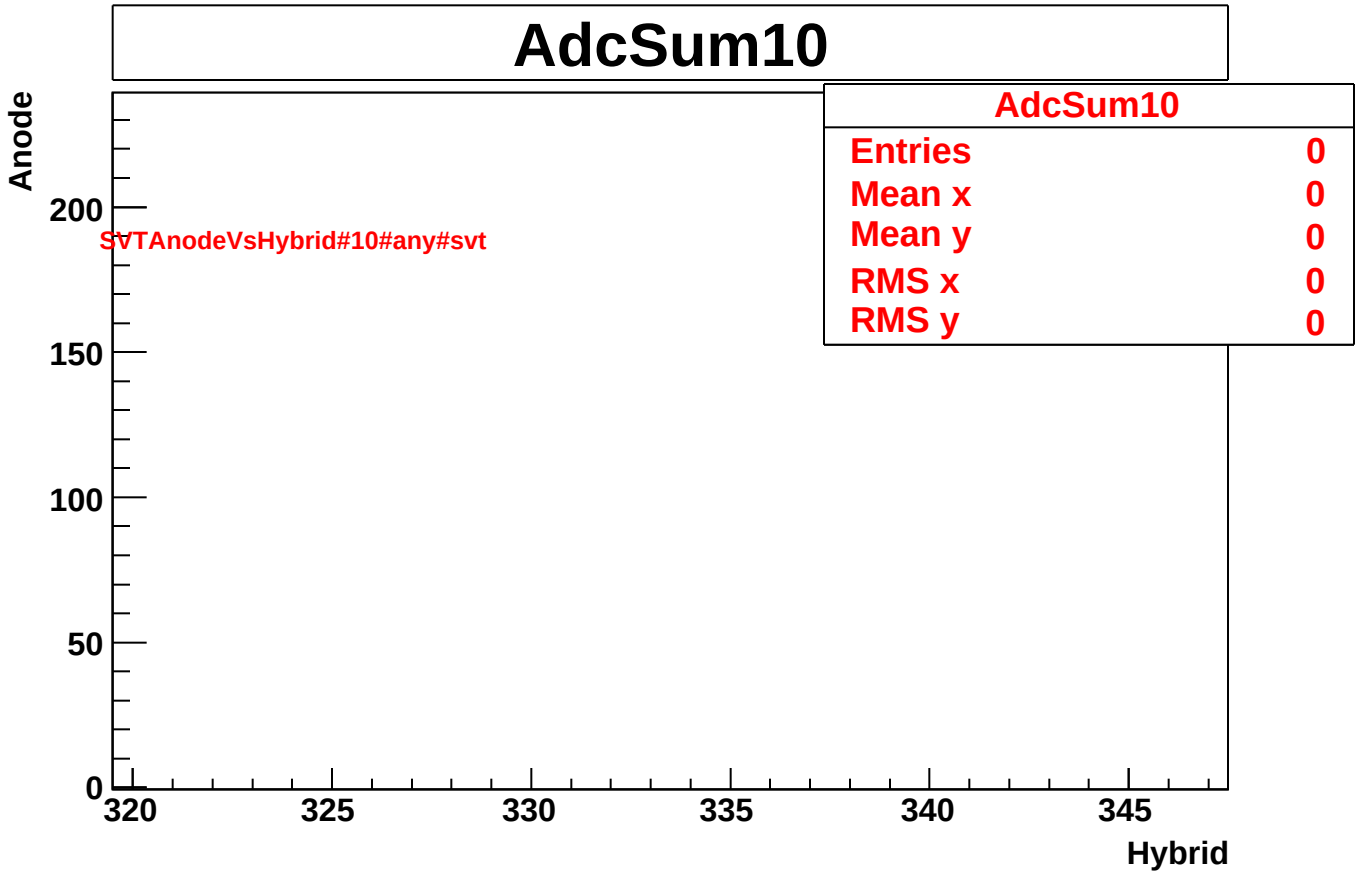
Hybrid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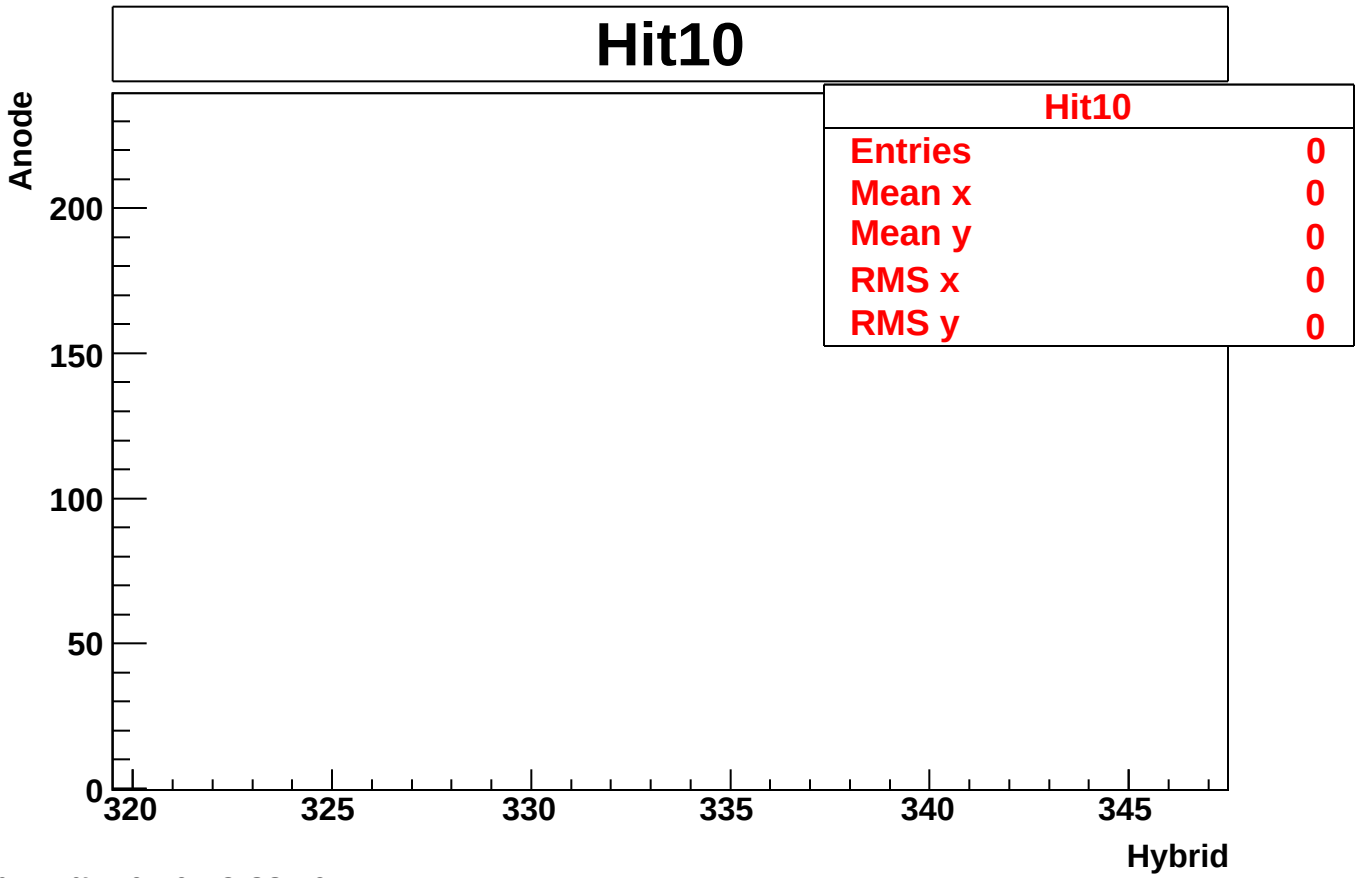
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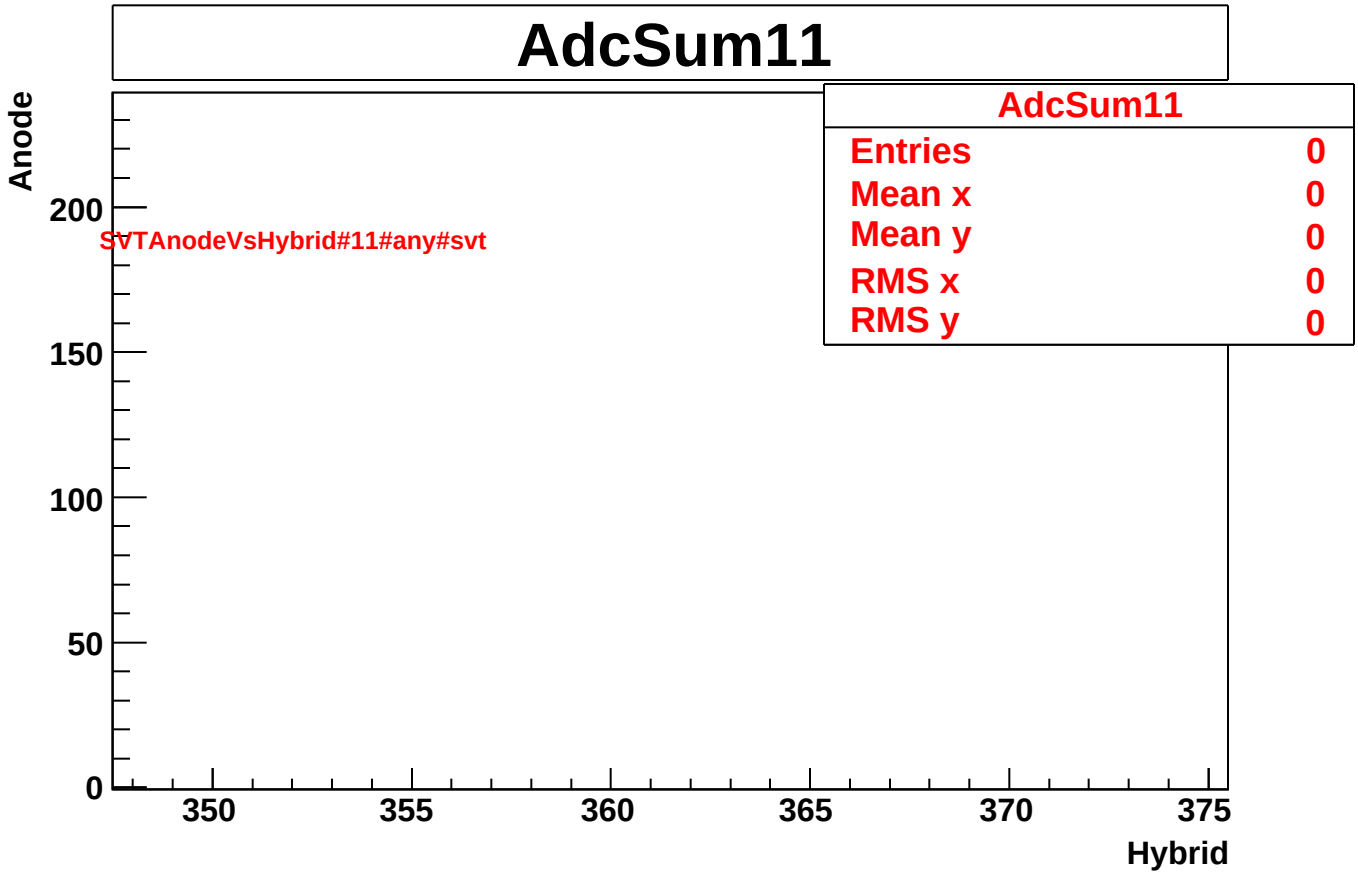
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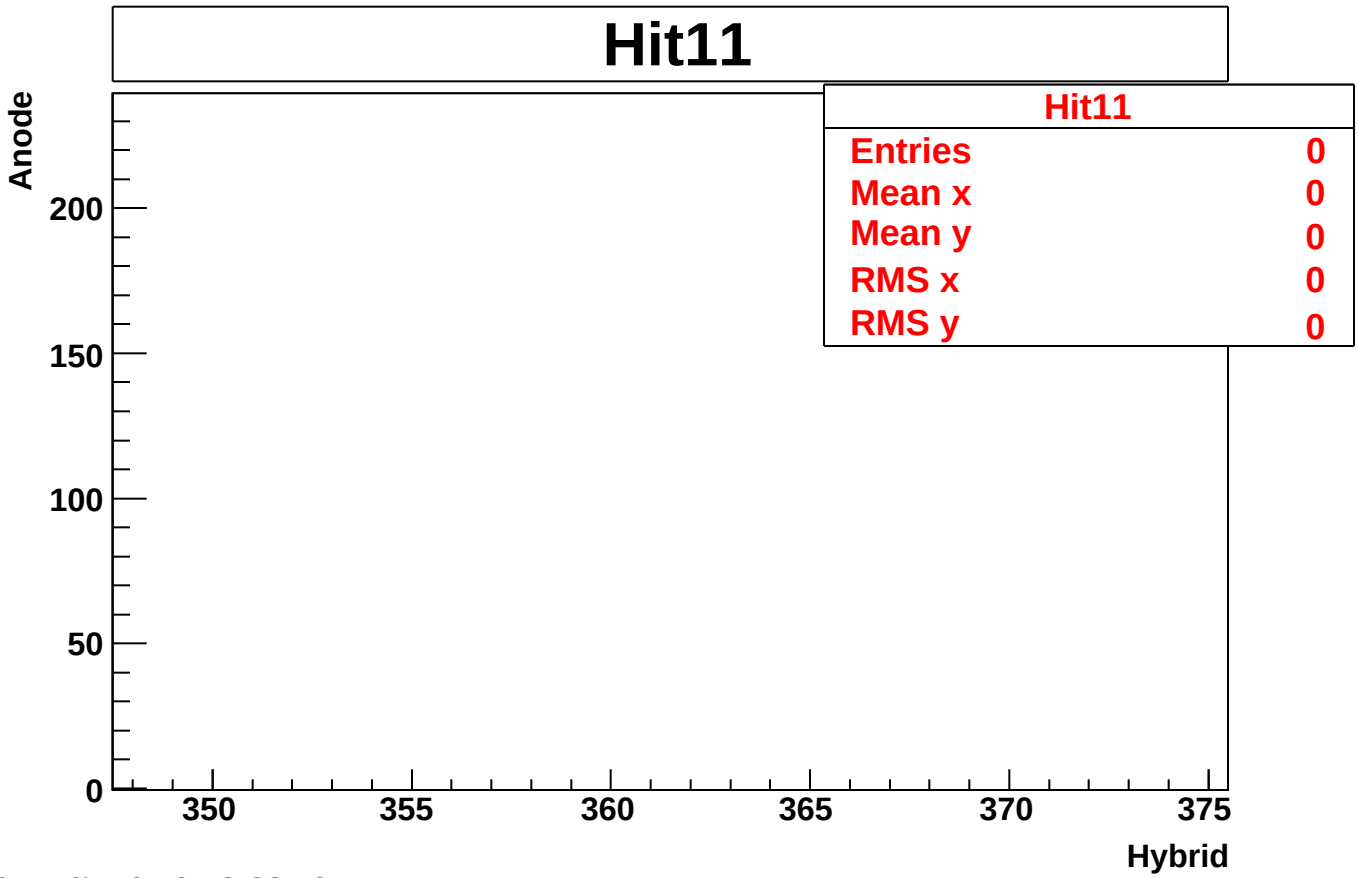
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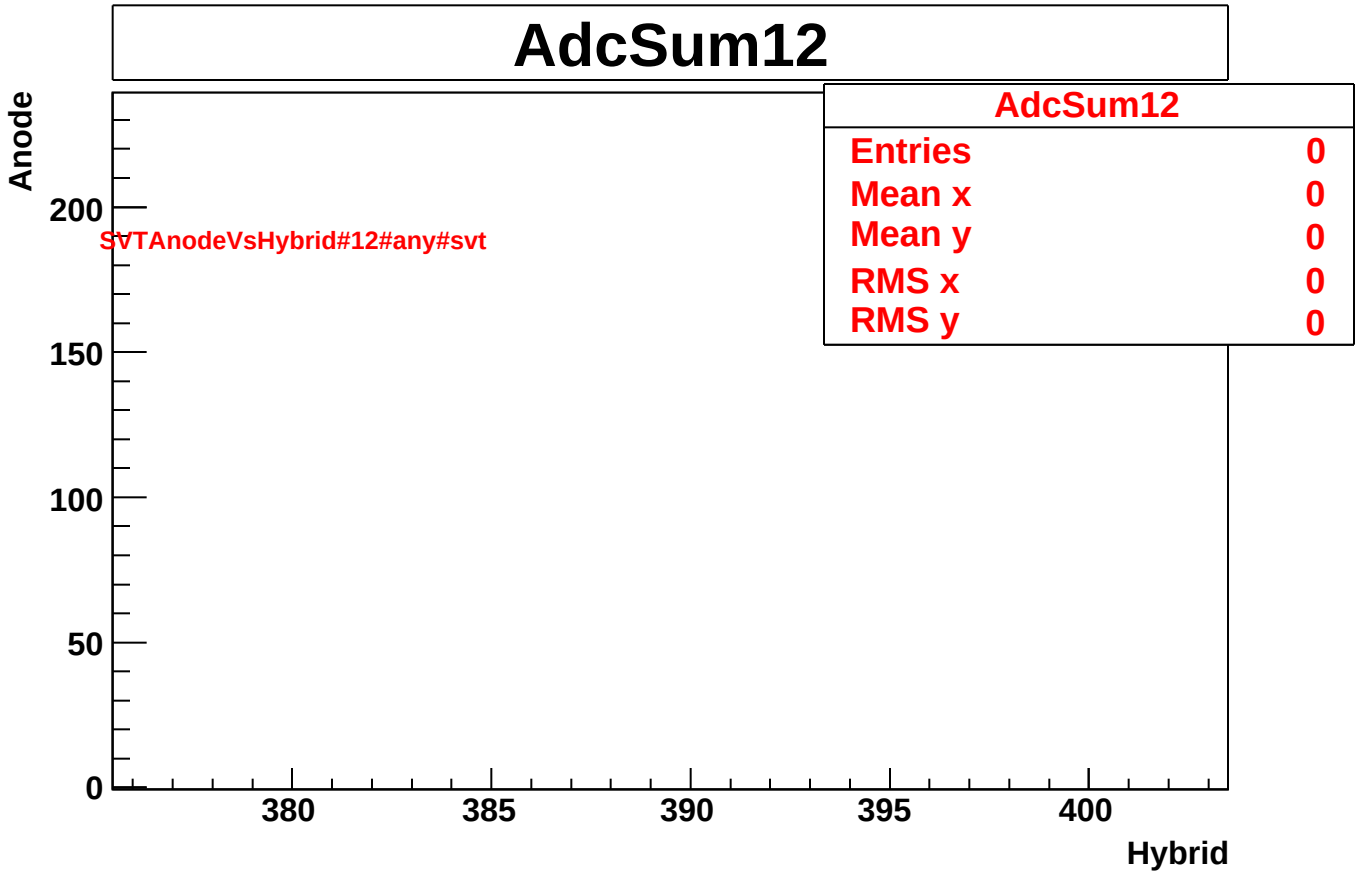
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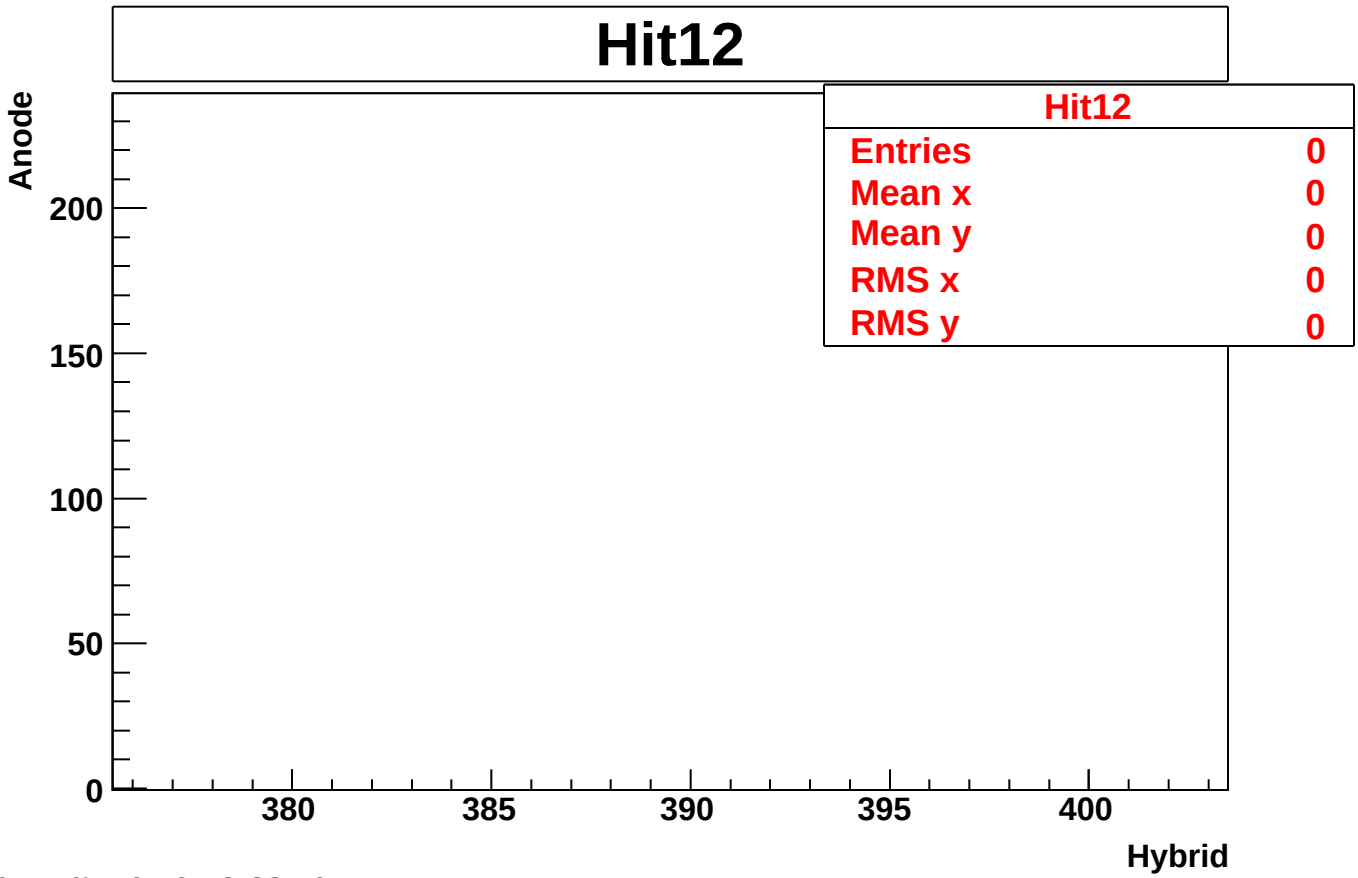
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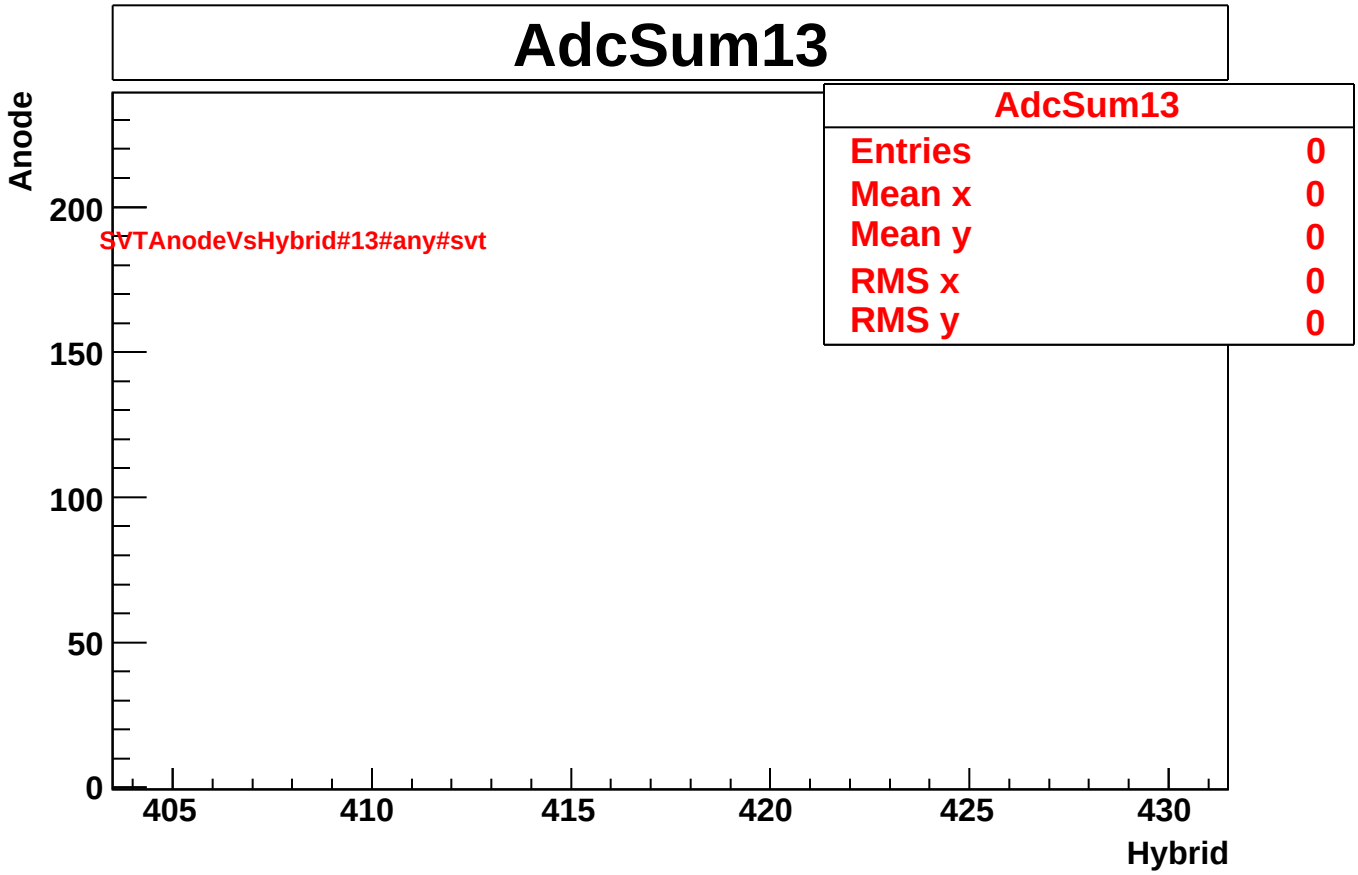
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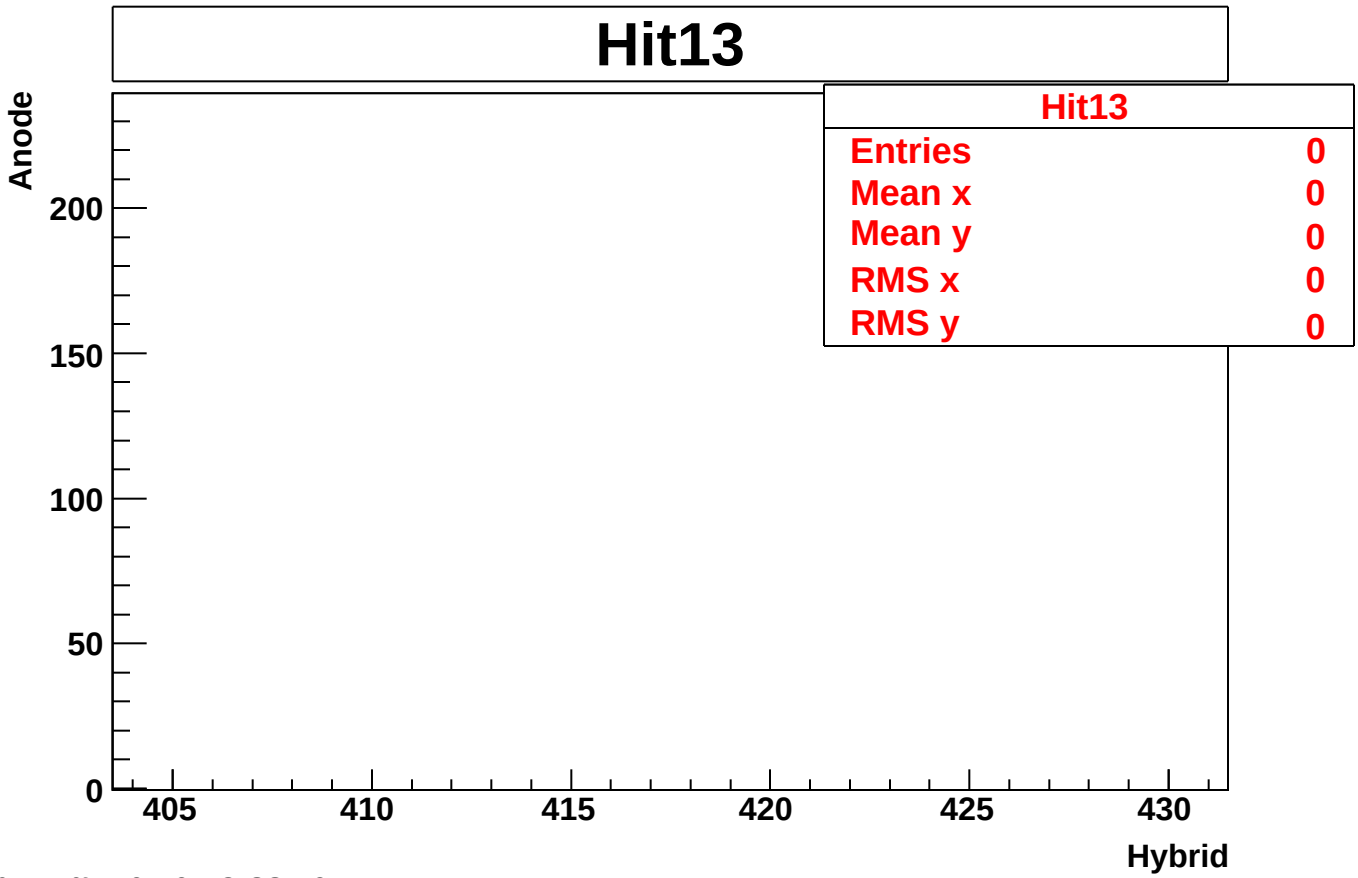
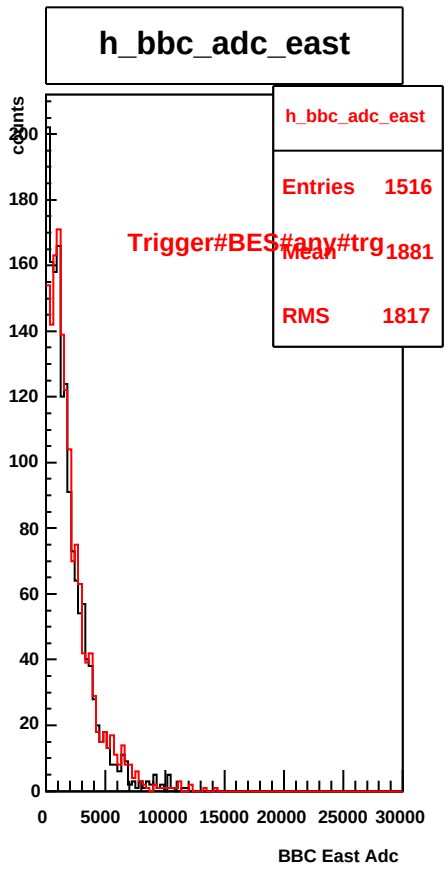
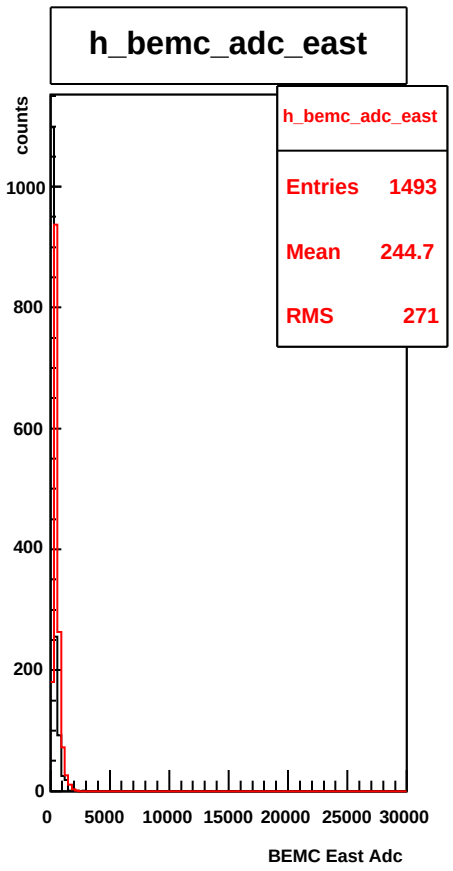
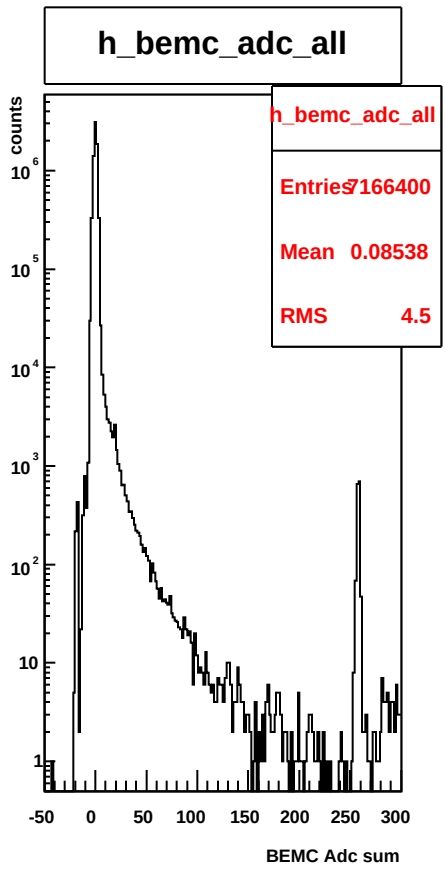
RMS x 0
RMS y 0
SVTAnodeVsHybrid#13#any#svt
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

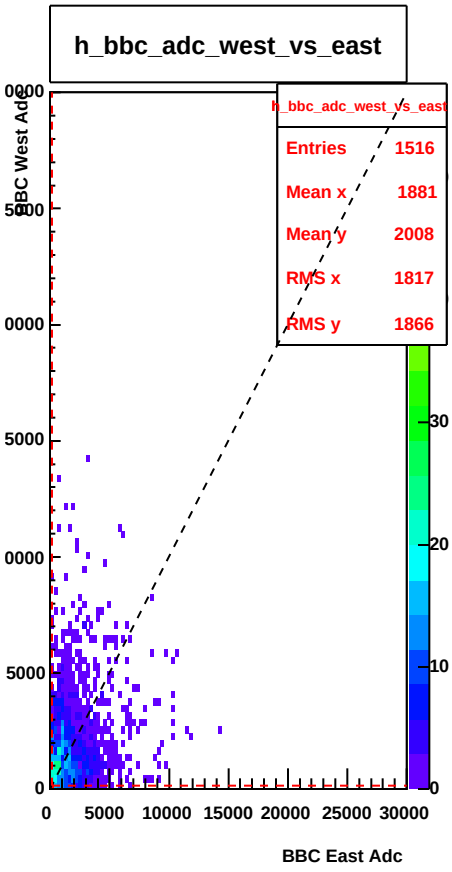

Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

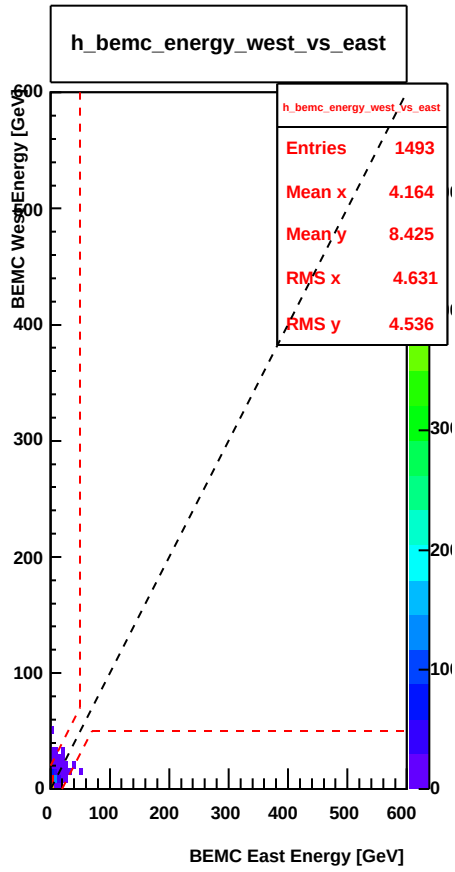
**Ssd#Pedestal#pedestal#ssd**

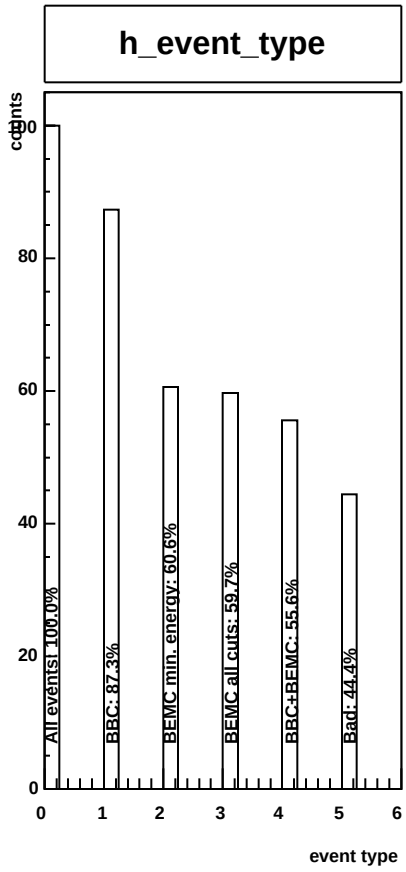

h_bbc_adc_east
h_bbc_adc_east
Entries 1516
Mean 1881
RMS 1817
Trigger#BES#any#trg
counts
BBC East Adc

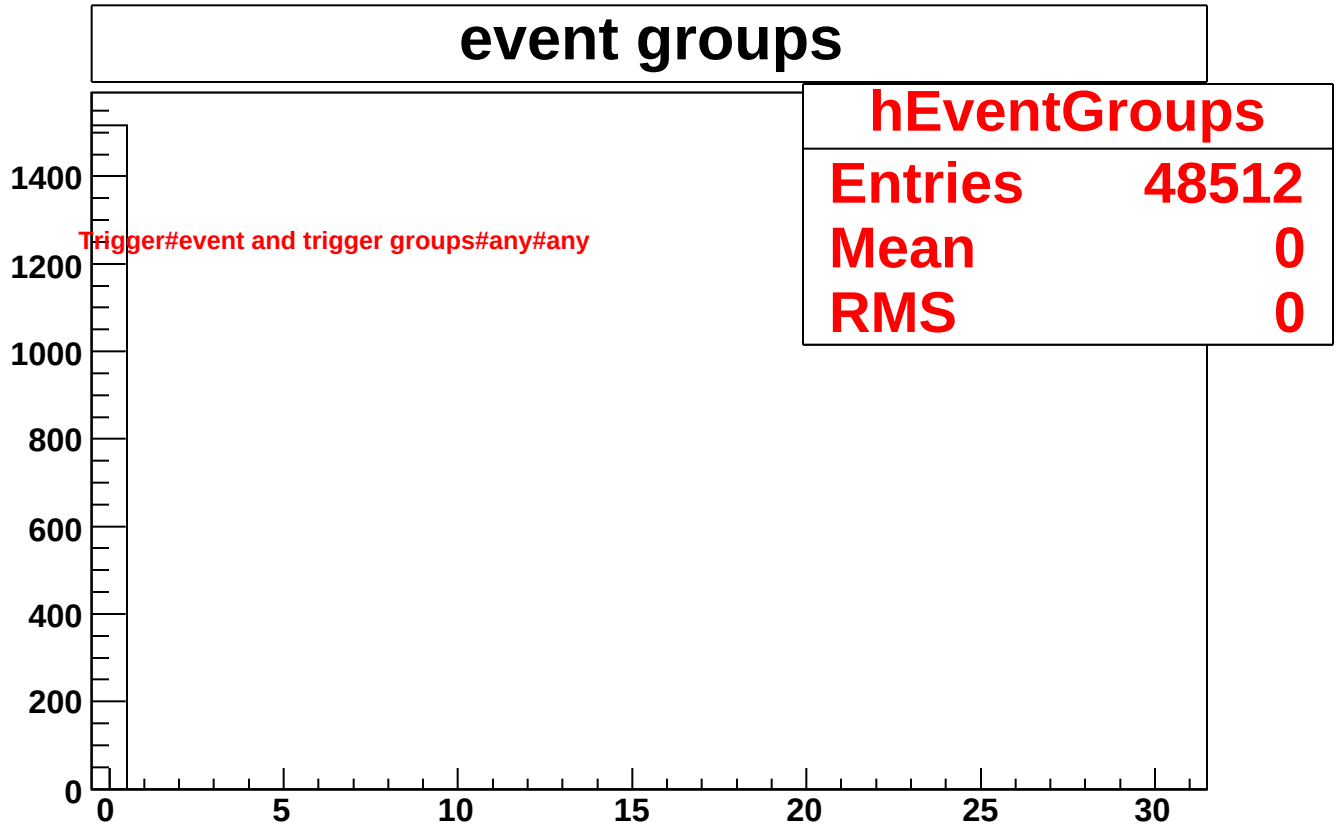

h_bemc_adc_east
h_bemc_adc_east
Entries 1493
Mean 244.7
RMS 271
counts
BEMC East Adc

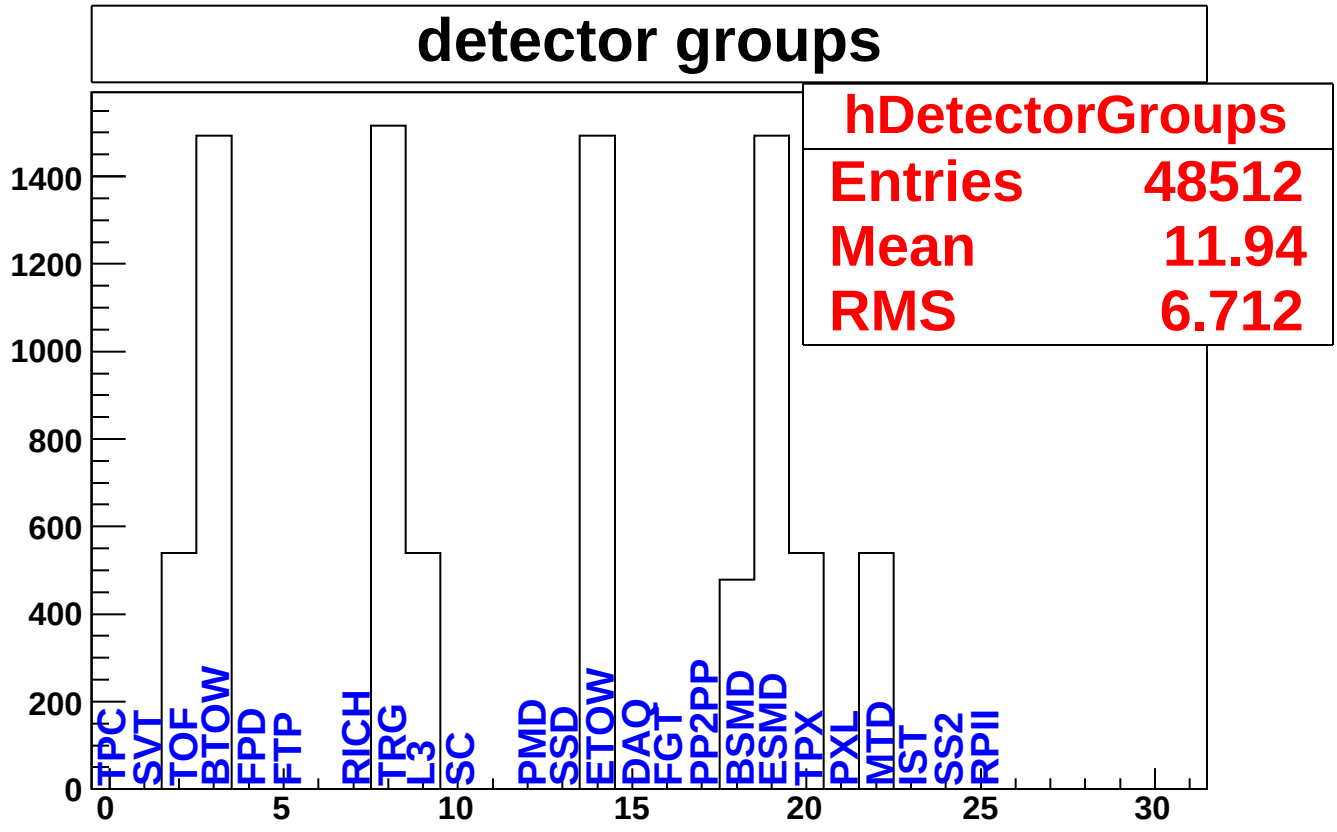

h_bemc_adc_all
h_bemc_adc_all
Entries 7166400
Mean 0.08538
RMS 4.5
counts
BEMC Adc sum

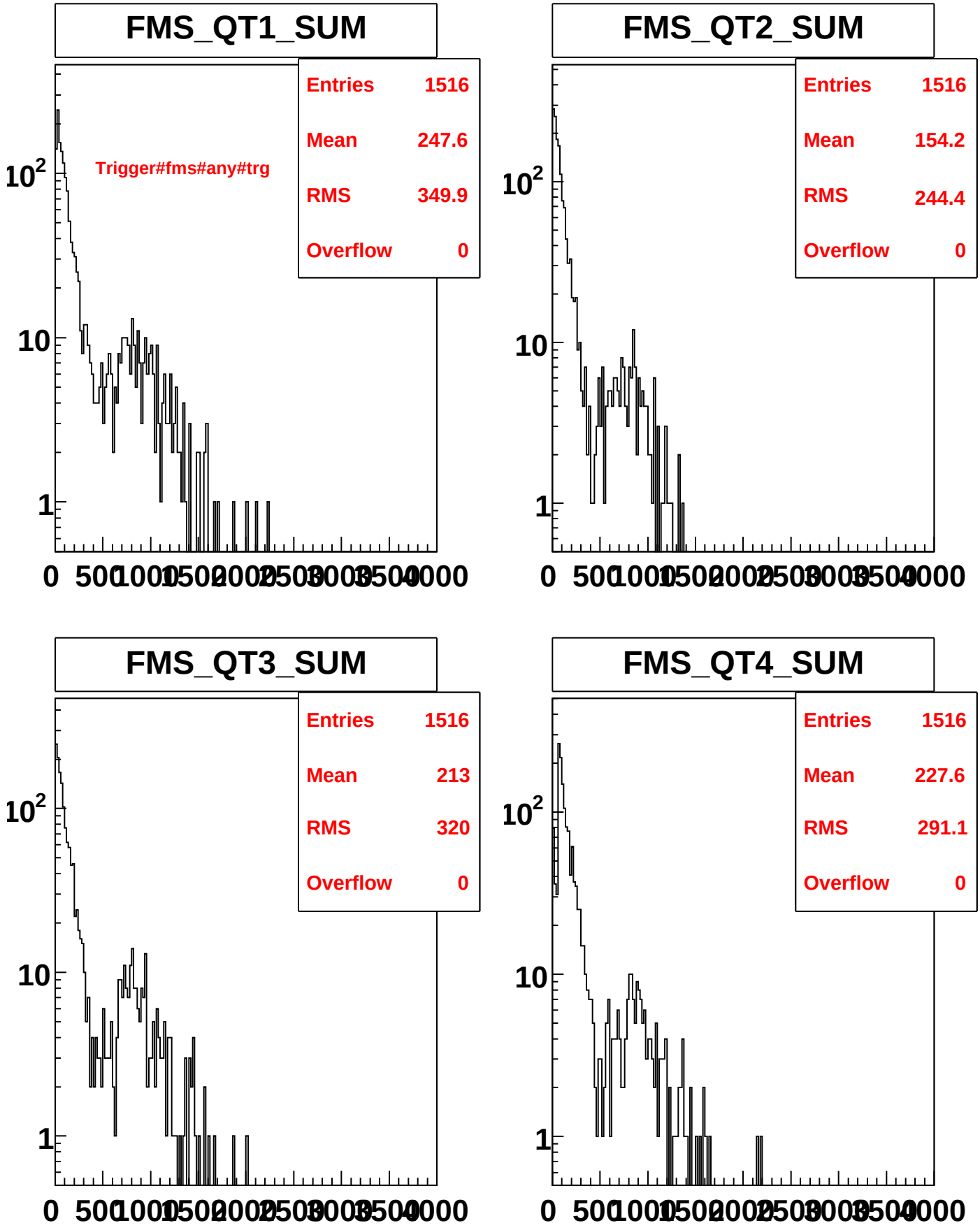

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 1516
Mean x 1881
Mean y 2008
RMS x 1817
RMS y 1866
BBC West Adc
BBC East Adc

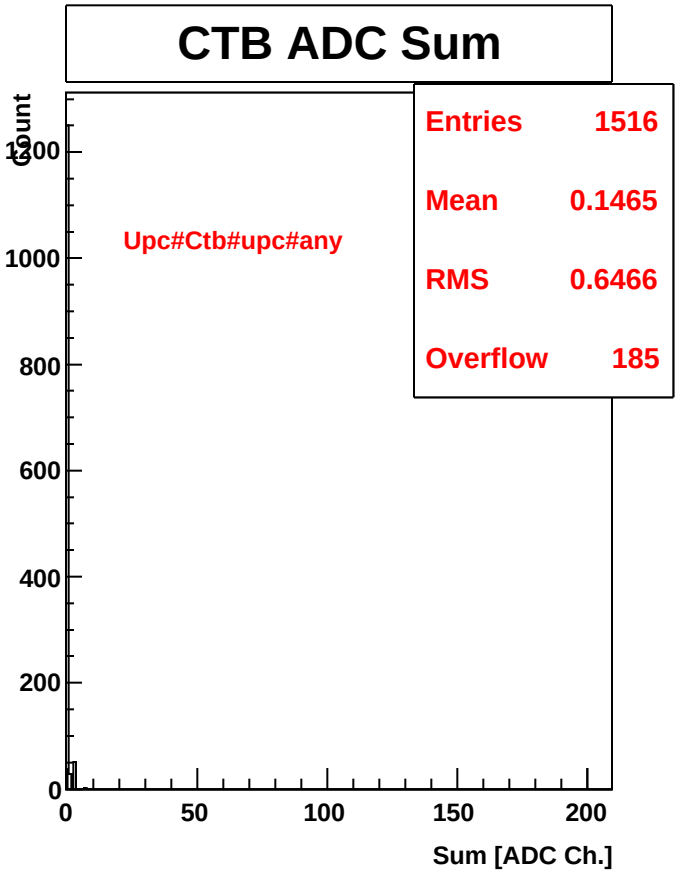

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 1493
Mean x 4.164
Mean y 8.425
RMS x 4.631
RMS y 4.536
BEMC West Energy [GeV]
BEMC East Energy [GeV]

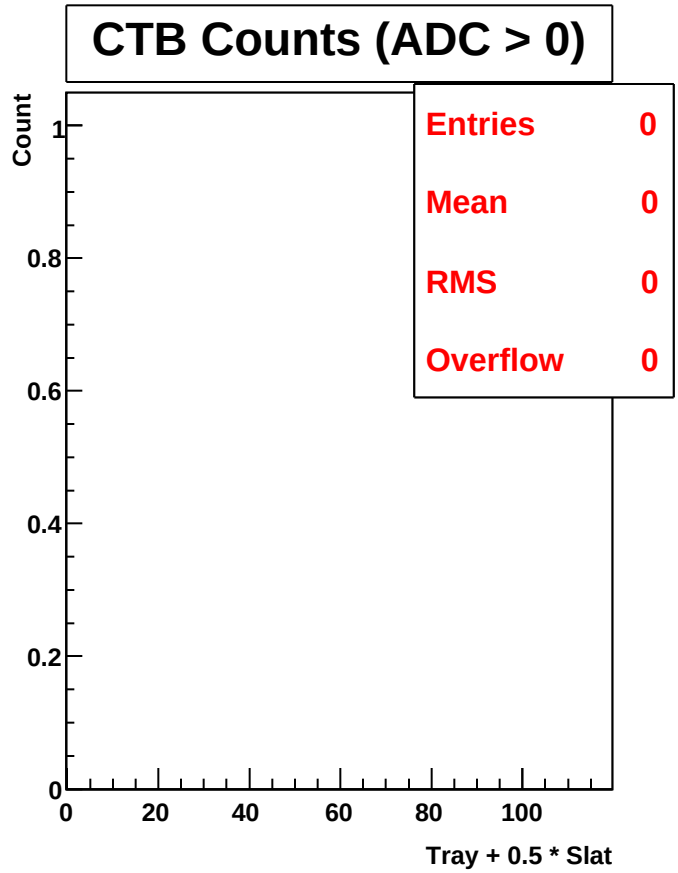

h_event_type
counts
All events: 100.0%
BBC: 87.3%
BEMC min. energy: 60.6%
BEMC all cuts: 59.7%
BBC+BEMC: 55.6%
Bad: 44.4%
event type

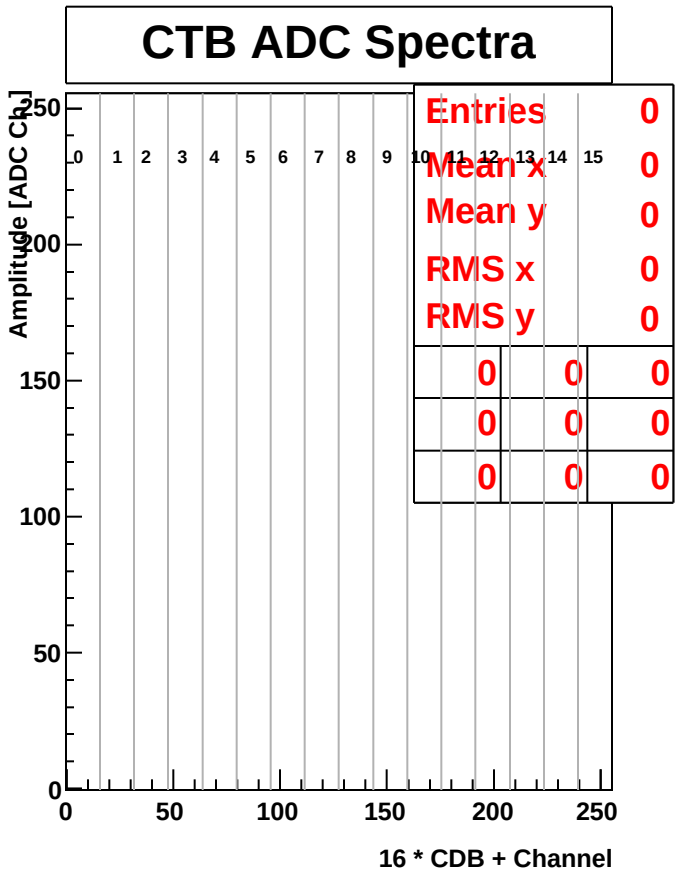

event groups
hEventGroups
Entries 48512
Mean 0
RMS 0
Trigger#event and trigger groups#any#any
0
200
400
600
800
1000
1200
1400
0
5
10
15
20
25
30

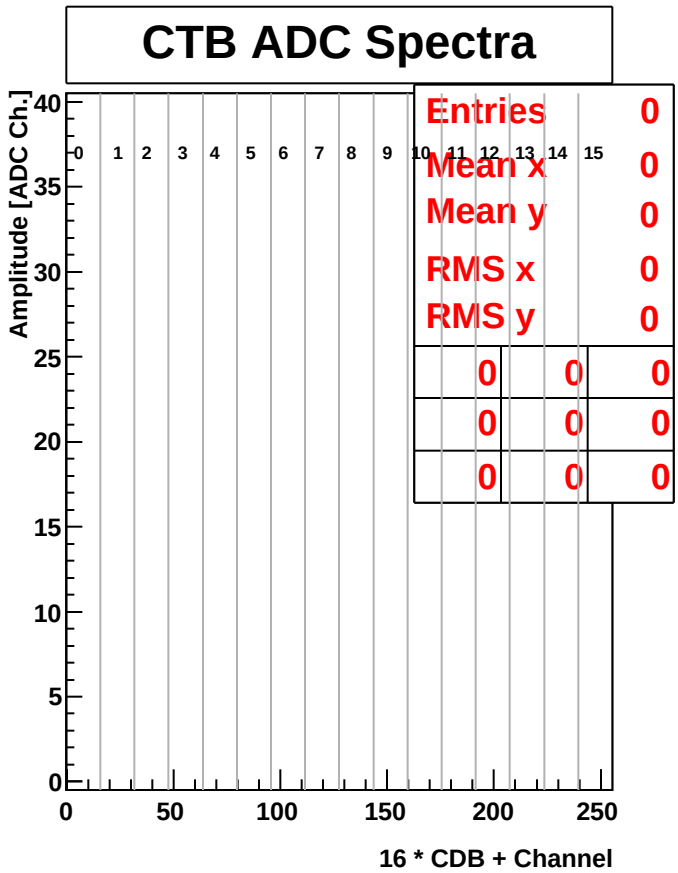

detector groups
hDetectorGroups
Entries 48512
Mean 11.94
RMS 6.712
0
200
400
600
800
1000
1200
1400
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
5
10
15
20
25
30

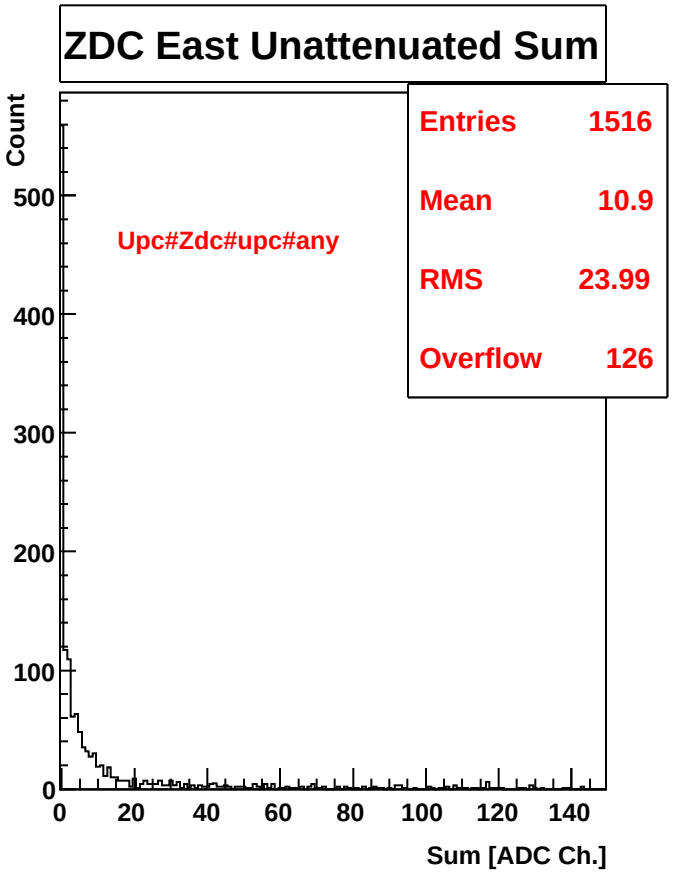

FMS_QT1_SUM
Trigger#fms#any#trg
Entries 1516
Mean 247.6
RMS 349.9
Overflow 0
FMS_QT2_SUM
Entries 1516
Mean 154.2
RMS 244.4
Overflow 0
FMS_QT3_SUM
Entries 1516
Mean 213
RMS 320
Overflow 0
FMS_QT4_SUM
Entries 1516
Mean 227.6
RMS 291.1
Overflow 0
$10^2$
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

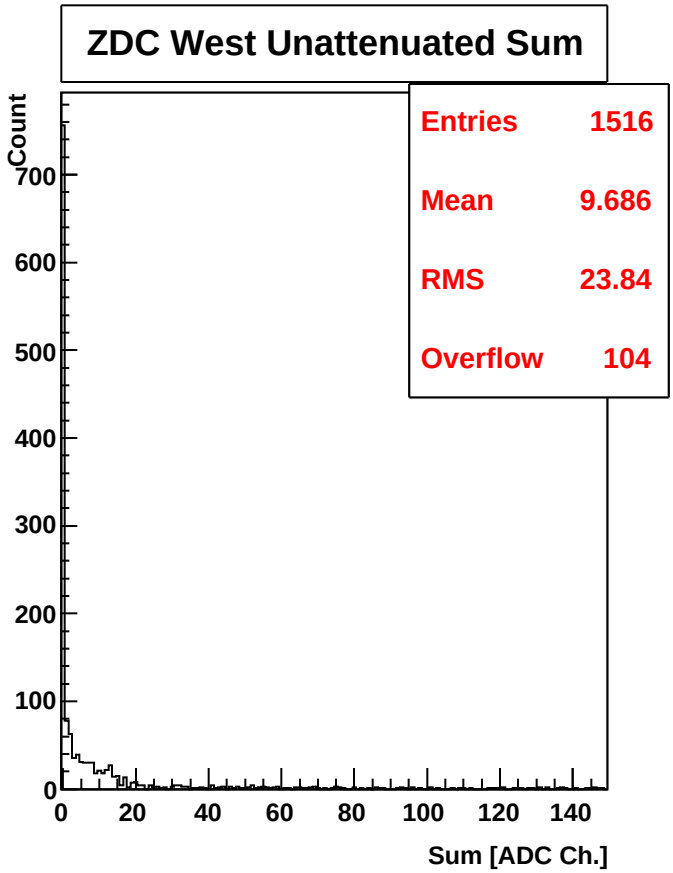

CTB ADC Sum
Entries 1516
Mean 0.1465
RMS 0.6466
Overflow 185
Upc#Ctb#upc#any
Count
Sum [ADC Ch.]

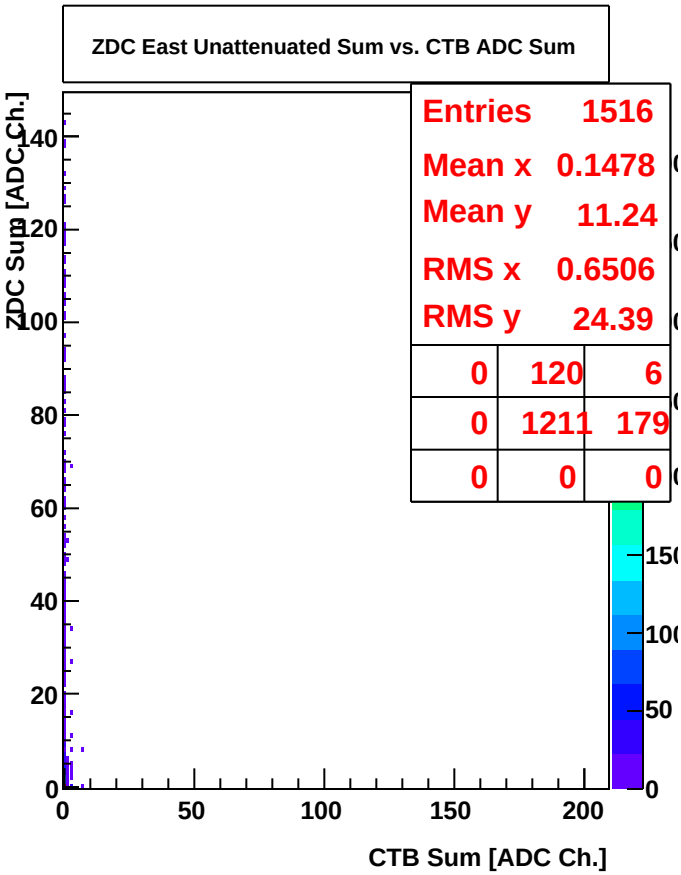

CTB Counts (ADC > 0)
Entries 0
Mean 0
RMS 0
Overflow 0
Count
Tray + 0.5 * Slat

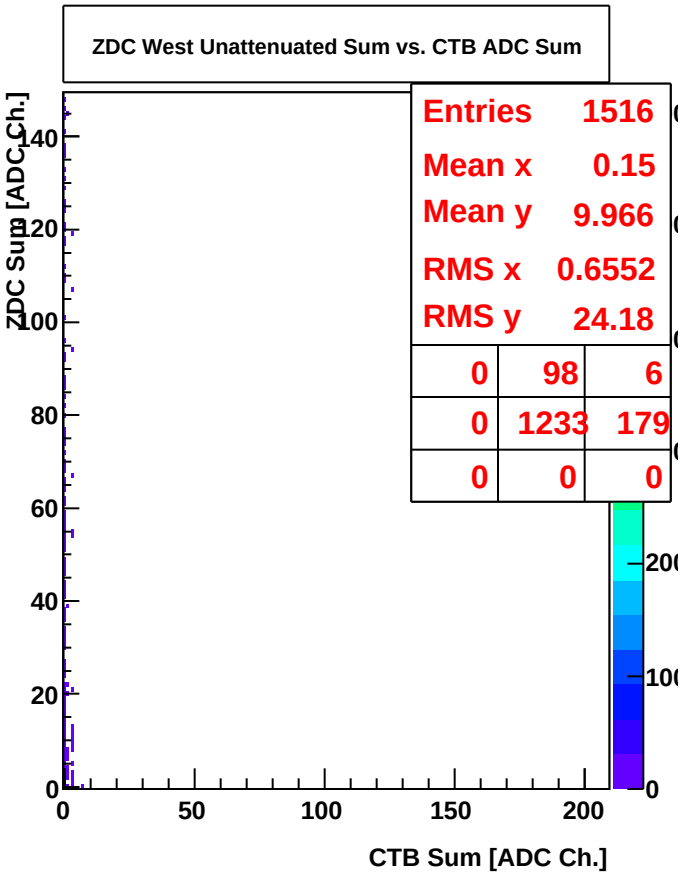

CTB ADC Spectra
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Amplitude [ADC Ch.]
16 * CDB + Channel


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


ZDC East Unattenuated Sum
Entries 1516
Mean 10.9
RMS 23.99
Overflow 126
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 1516
Mean 9.686
RMS 23.84
Overflow 104
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 1516
Mean x 0.1478
Mean y 11.24
RMS x 0.6506
RMS y 24.39
0 120 6
0 1211 179
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 1516
Mean x 0.15
Mean y 9.966
RMS x 0.6552
RMS y 24.18
0 98 6
0 1233 179
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]