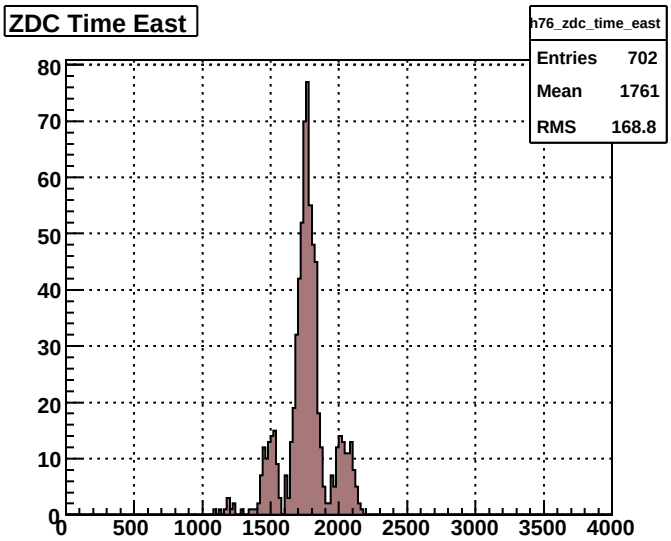
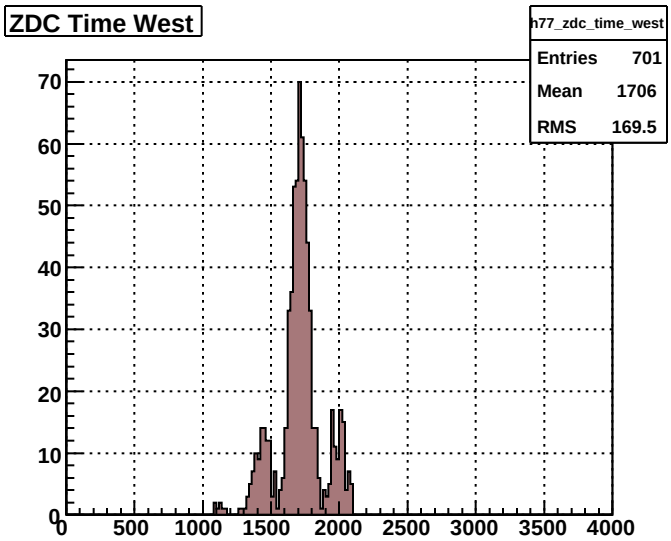
# Run: #12135061

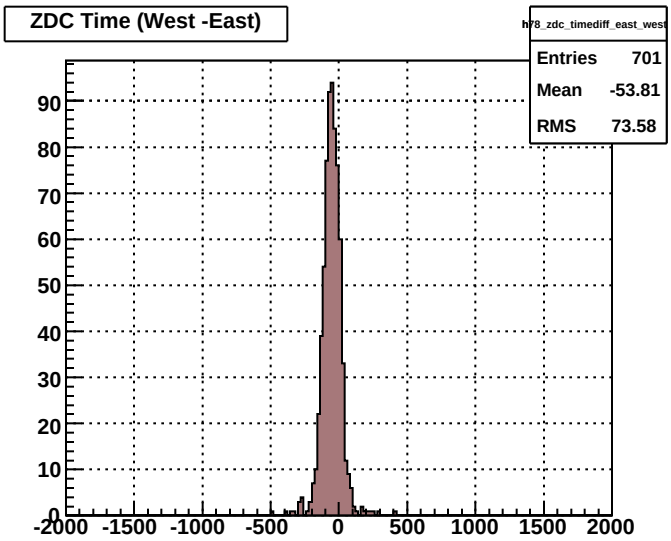
**TriggerBits: 11111111 11111111 11111111 11111111**

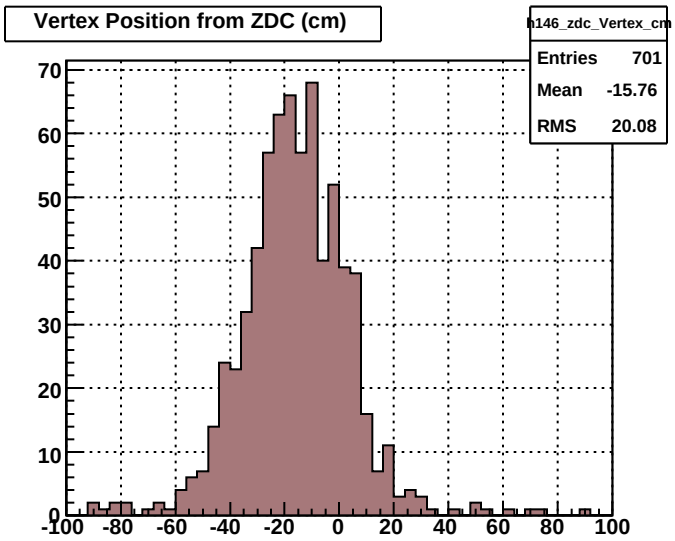
**DetectorBits: 00000000 01010100 00000011 00001100**

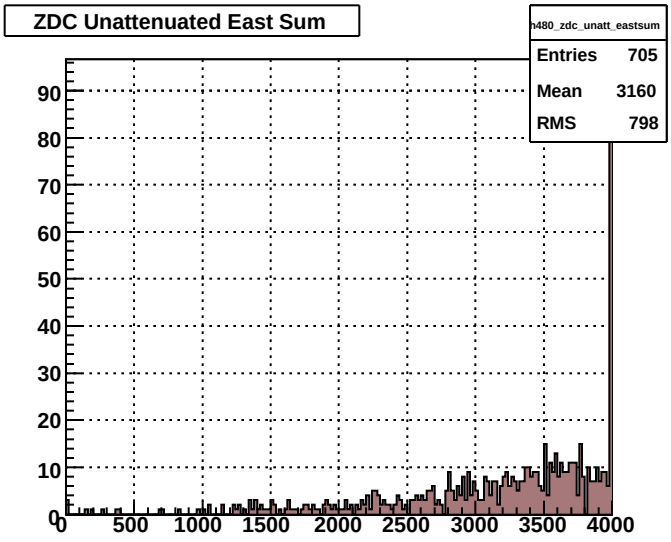
**Mon May 16 00:13:57 2011**

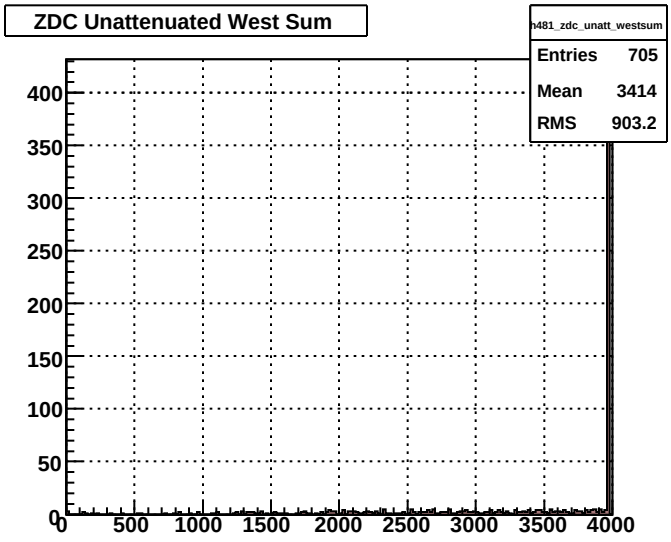

ZDC Time East
h76_zdc_time_east
Entries 702
Mean 1761
RMS 168.8

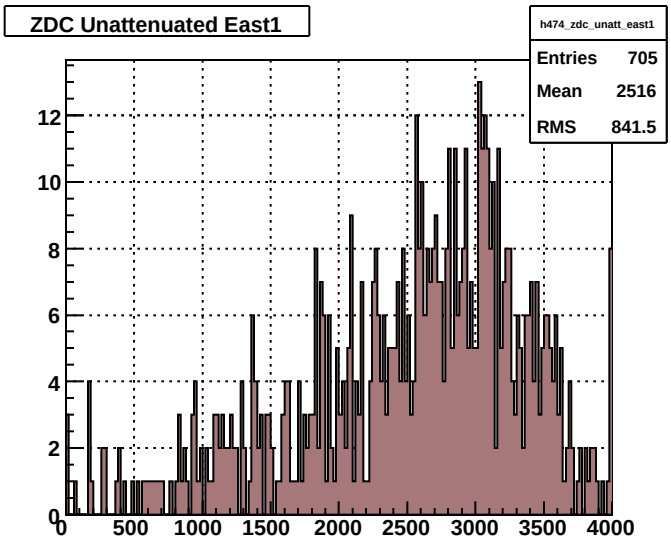

ZDC Time West
h77_zdc_time_west
Entries 701
Mean 1706
RMS 169.5

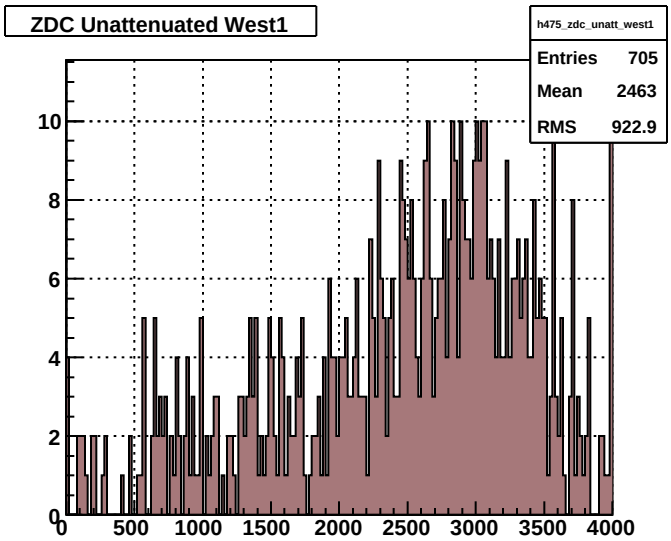

ZDC Time (West -East)
h78_zdc_timediff_east_west
Entries 701
Mean -53.81
RMS 73.58

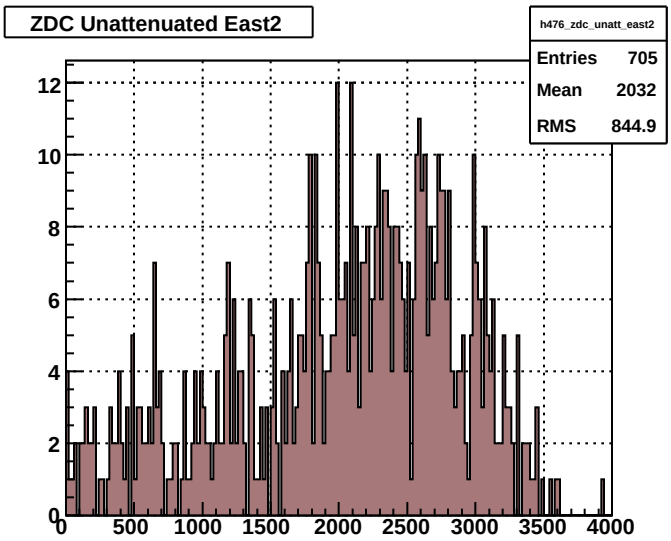

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 701
Mean -15.76
RMS 20.08

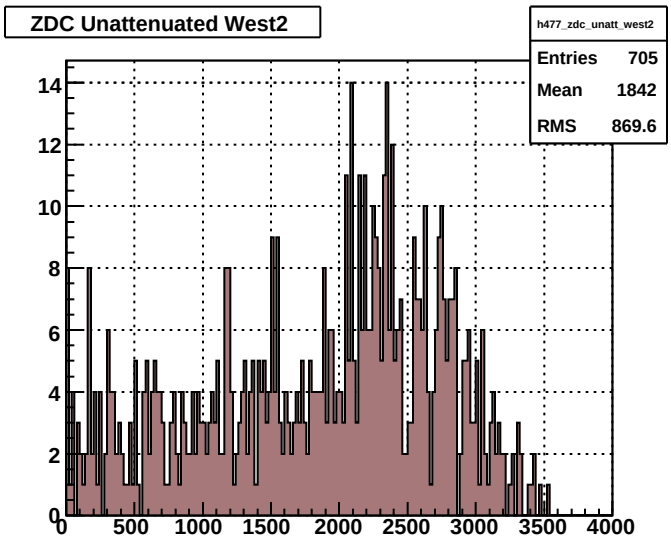

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 705
Mean 3160
RMS 798

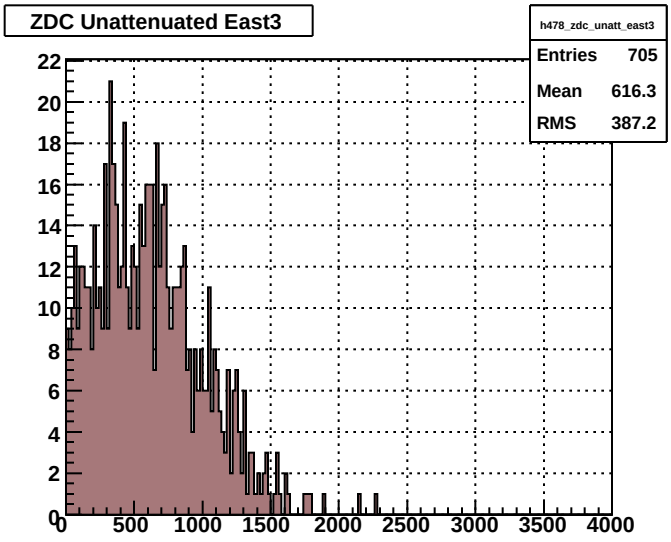

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 705
Mean 3414
RMS 903.2

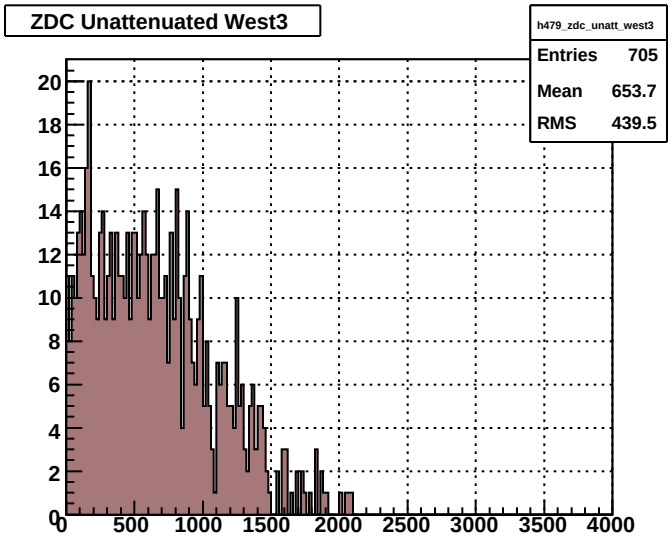

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 705
Mean 2516
RMS 841.5

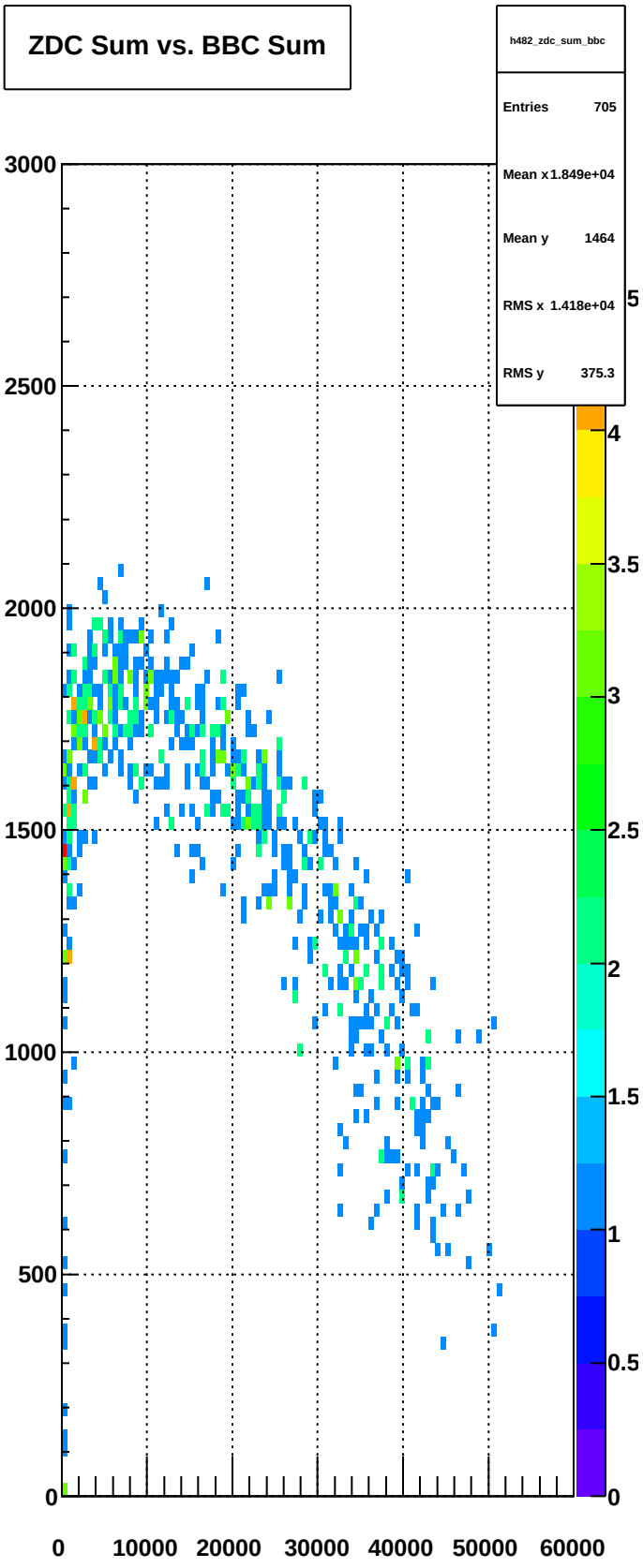

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 705
Mean 2463
RMS 922.9

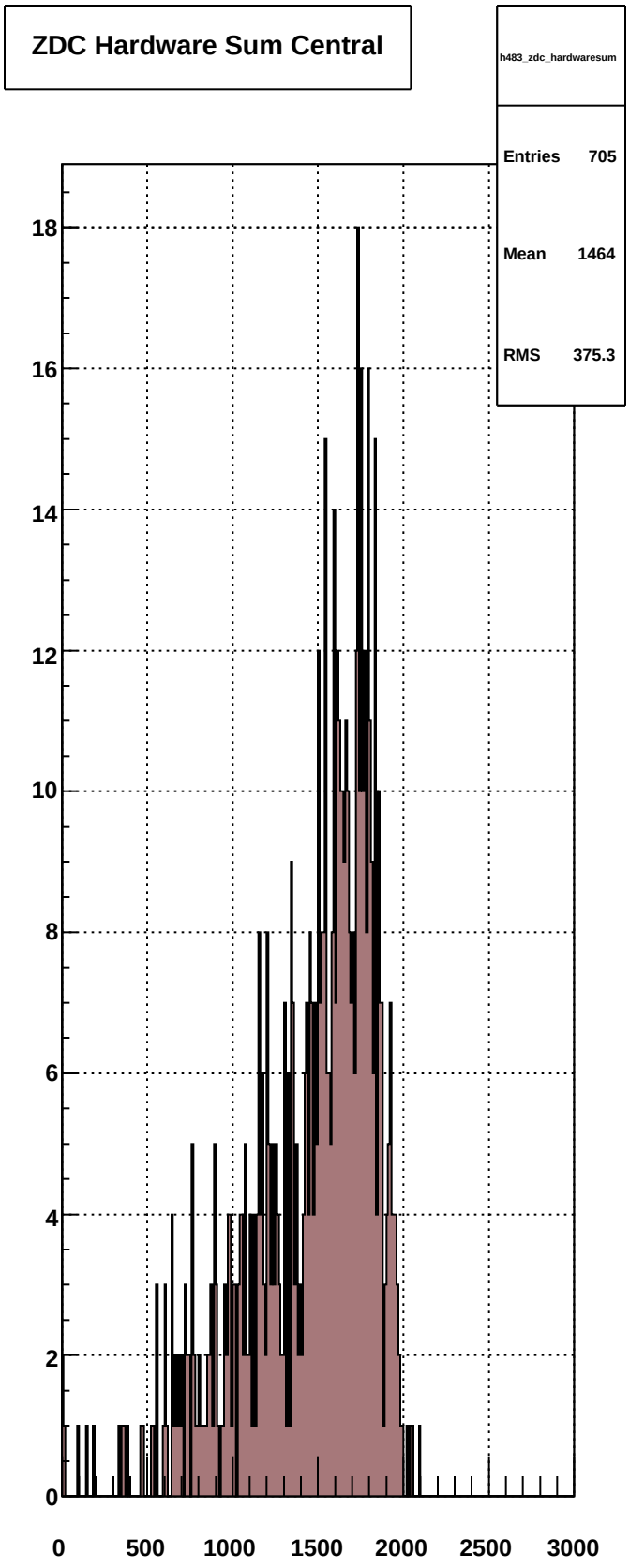

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 705
Mean 2032
RMS 844.9

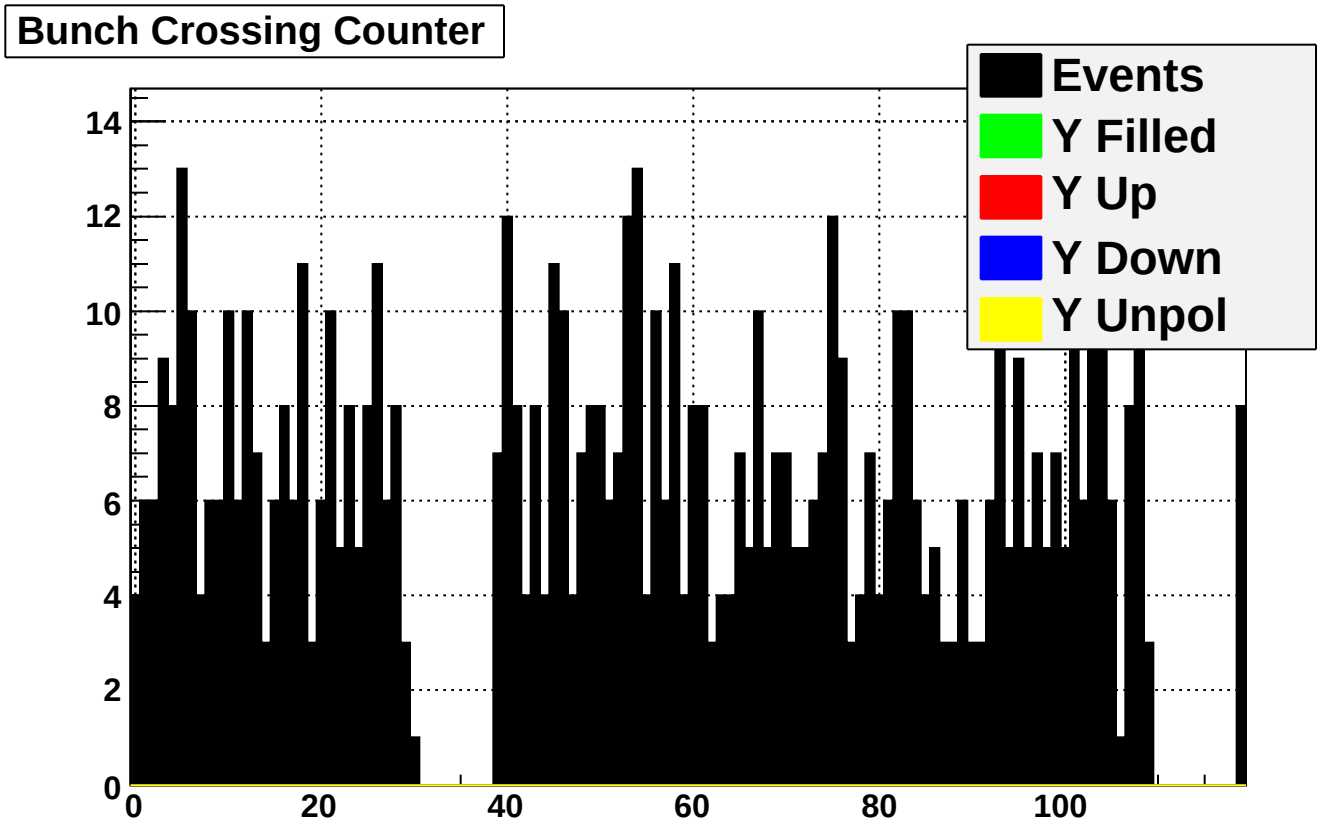

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 705
Mean 1842
RMS 869.6

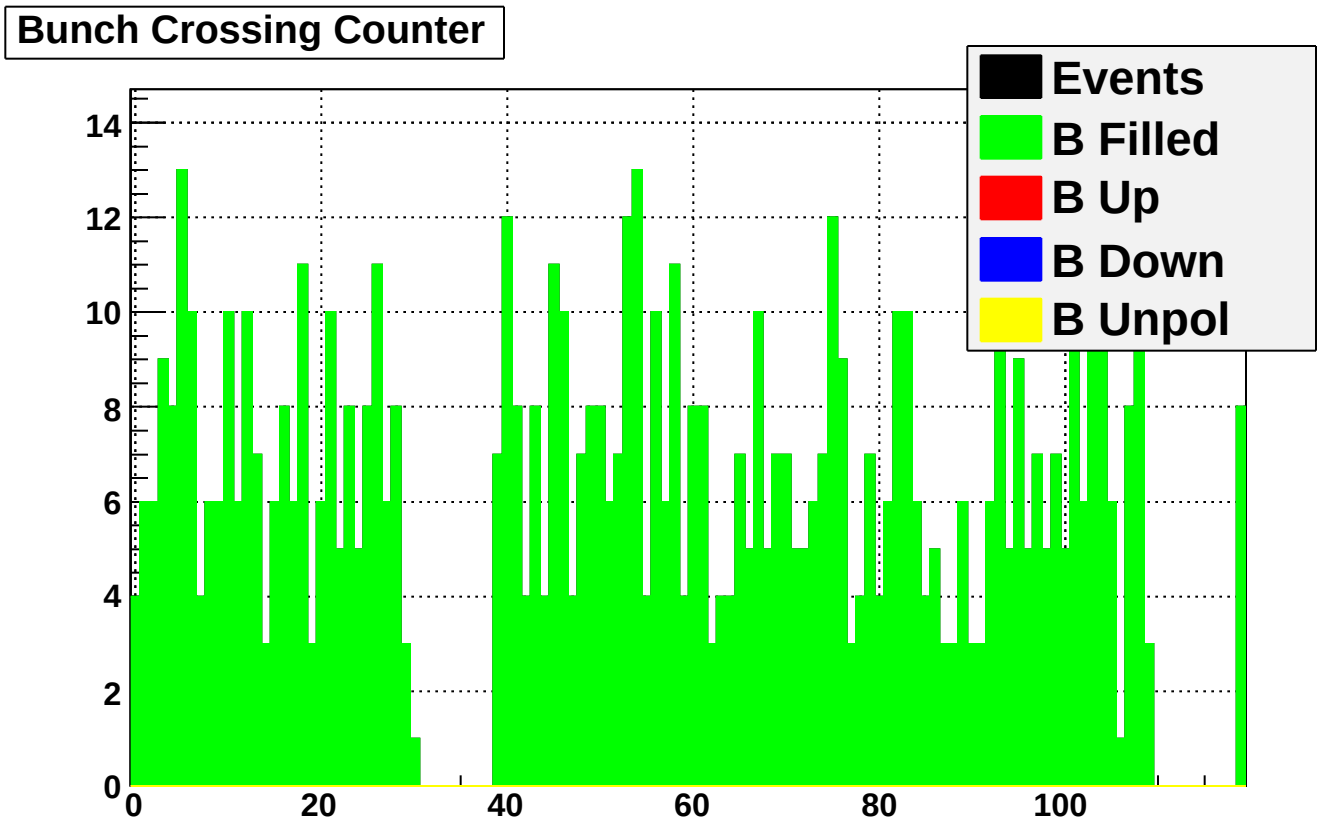

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 705
Mean 616.3
RMS 387.2

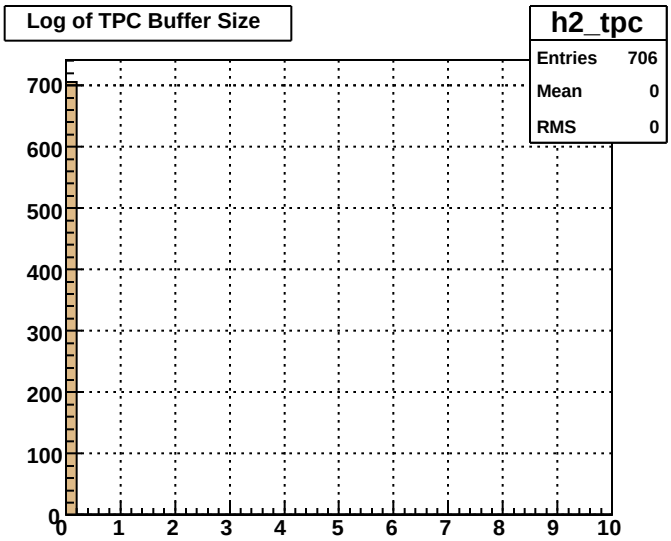

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 705
Mean 653.7
RMS 439.5

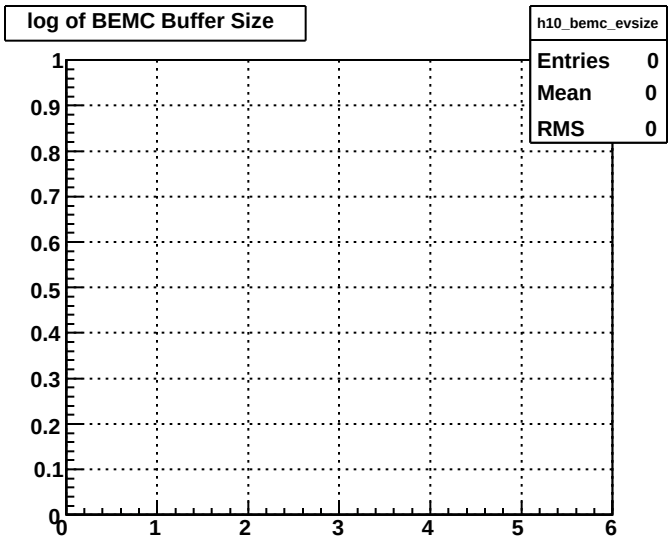

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 705
Mean x 1.849e+04
Mean y 1464
RMS x 1.418e+04
RMS y 375.3
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
5
4
3.5
3
2.5
2
1.5
1
0.5
0

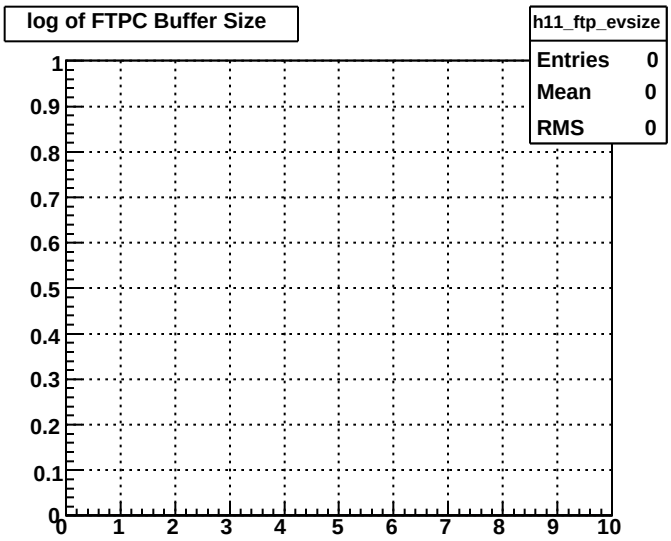

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 705
Mean 1464
RMS 375.3
18
16
14
12
10
8
6
4
2
0
0
500
1000
1500
2000
2500
3000

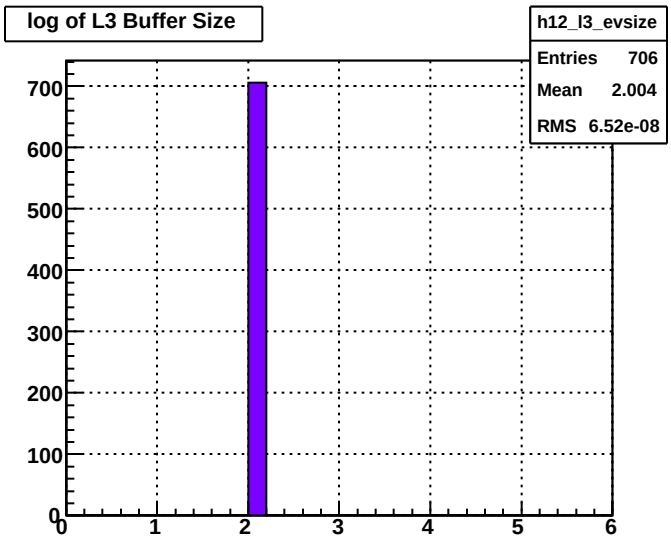

Bunch Crossing Counter
Events
Y Filled
Y Up
Y Down
Y Unpol
0
2
4
6
8
10
12
14
0
20
40
60
80
100

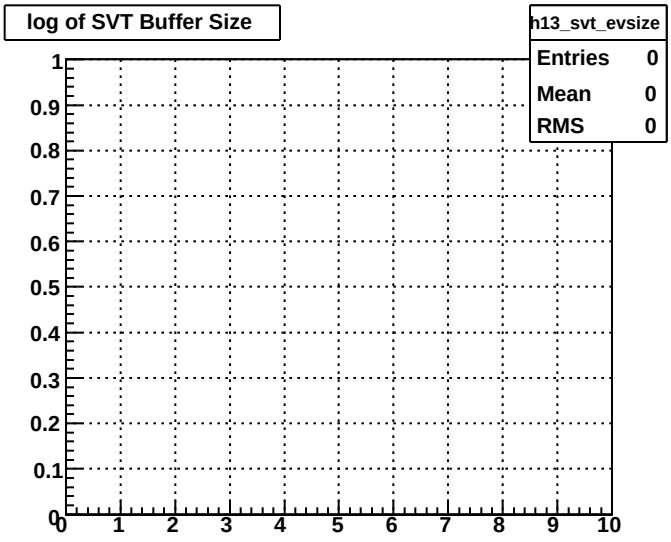

Bunch Crossing Counter
Events
B Filled
B Up
B Down
B Unpol
0
2
4
6
8
10
12
14
0
20
40
60
80
100

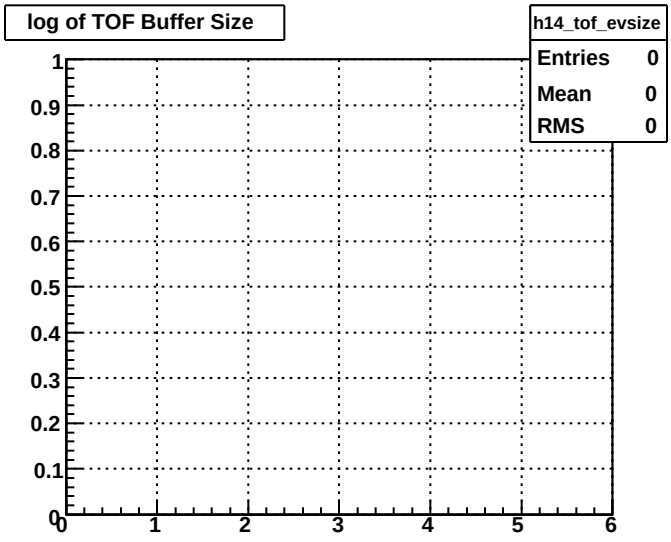

Log of TPC Buffer Size
h2_tpc
Entries 706
Mean 0
RMS 0

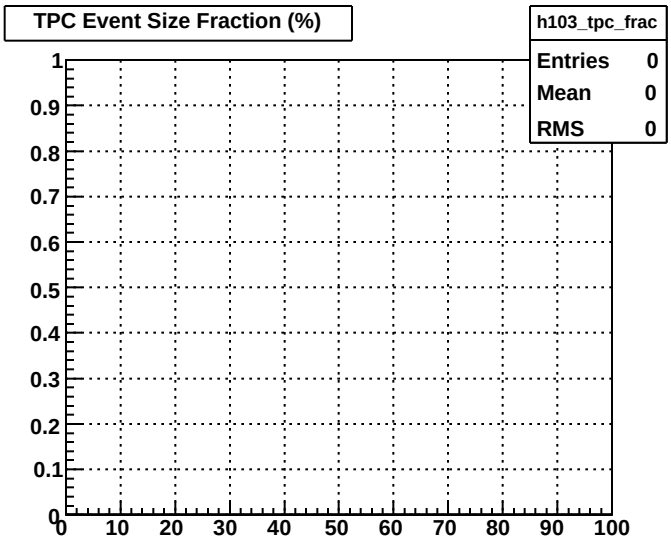

log of BEMC Buffer Size
h10_bemc_evsize
Entries 0
Mean 0
RMS 0

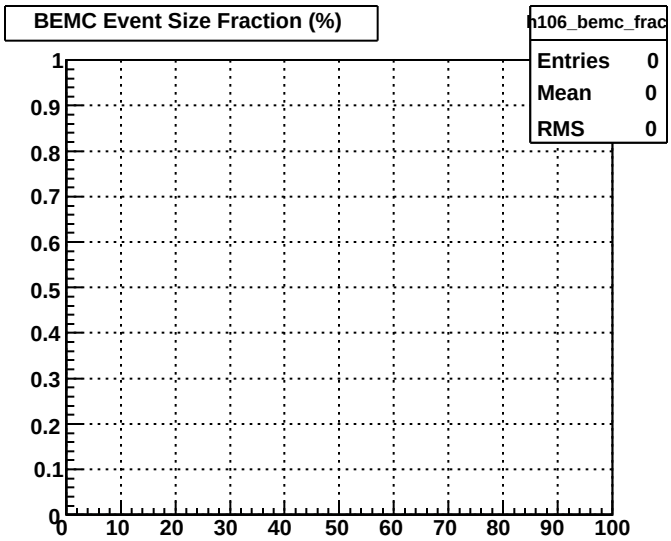

log of FTPC Buffer Size
h11_ftp_evsize
Entries 0
Mean 0
RMS 0

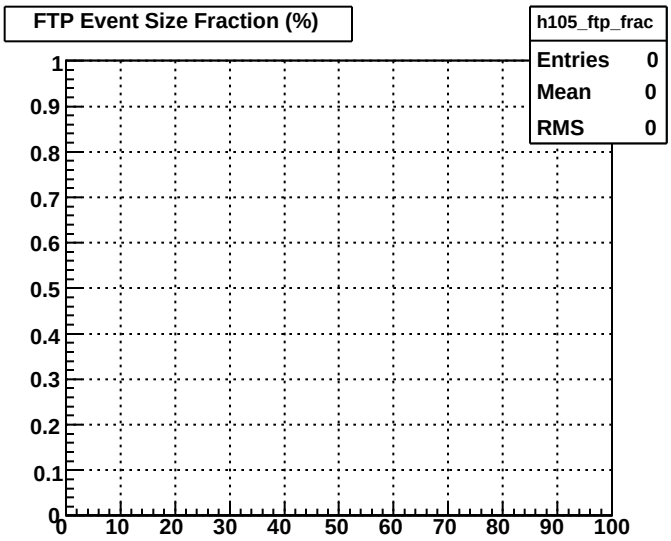

log of L3 Buffer Size
h12_l3_evsize
Entries 706
Mean 2.004
RMS 6.52e-08

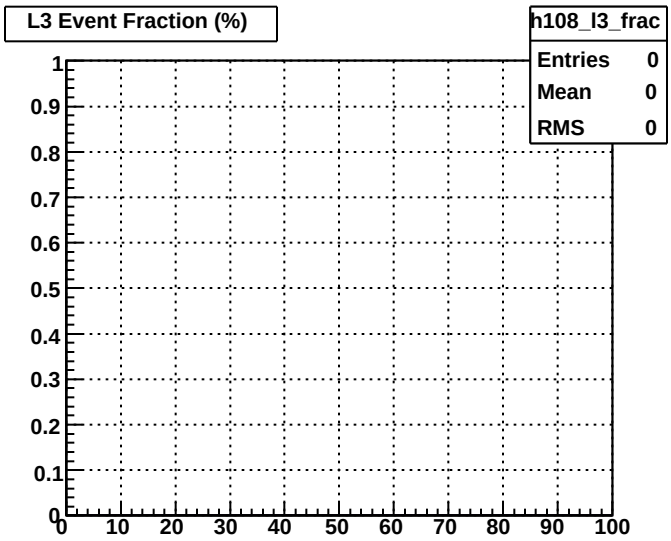

log of SVT Buffer Size
h13_svt_evsize
Entries 0
Mean 0
RMS 0

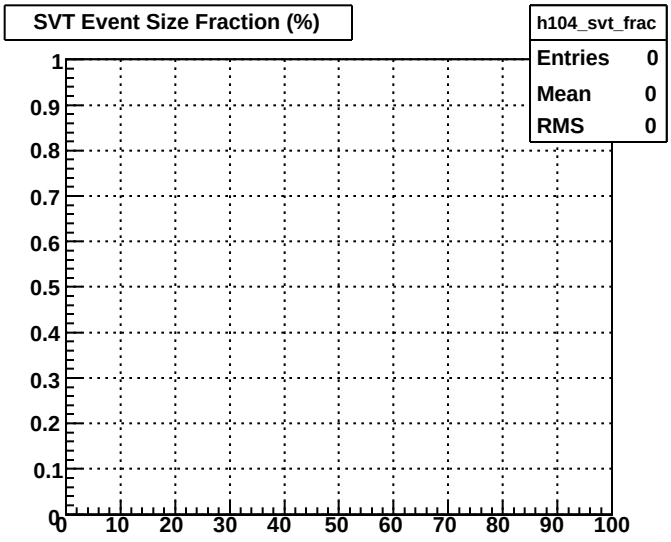

log of TOF Buffer Size
h14_tof_evsize
Entries 0
Mean 0
RMS 0

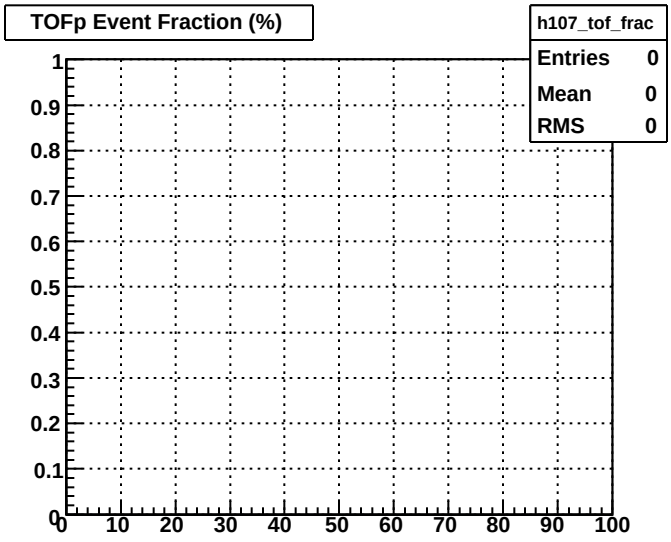

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 0
Mean 0
RMS 0


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

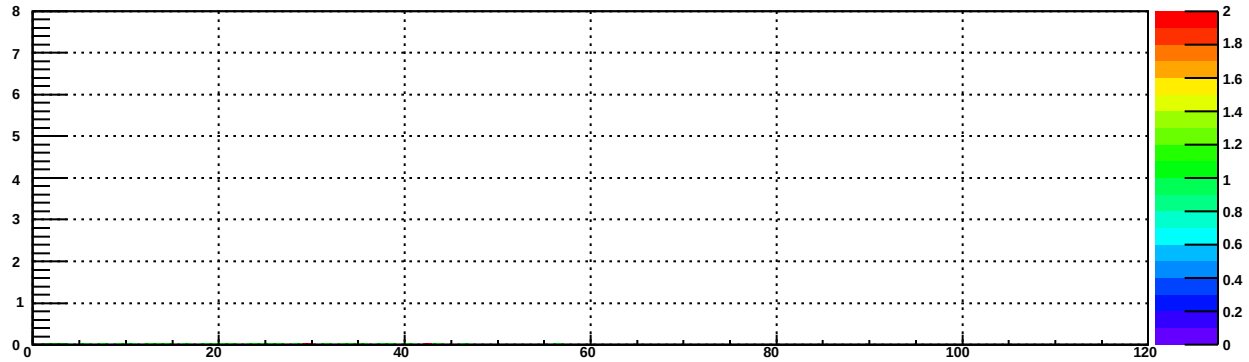

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 0
Mean 0
RMS 0


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

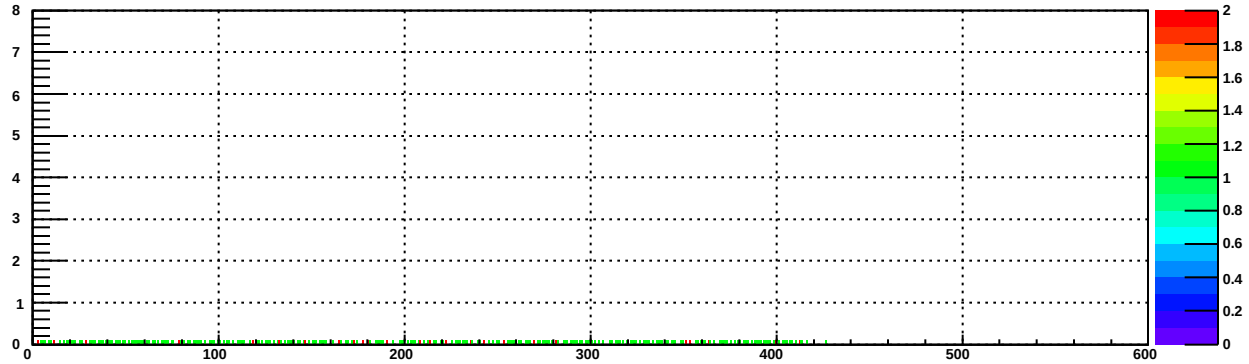

SVT Event Size Fraction (%)
h104_svt_frac
Entries 0
Mean 0
RMS 0


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

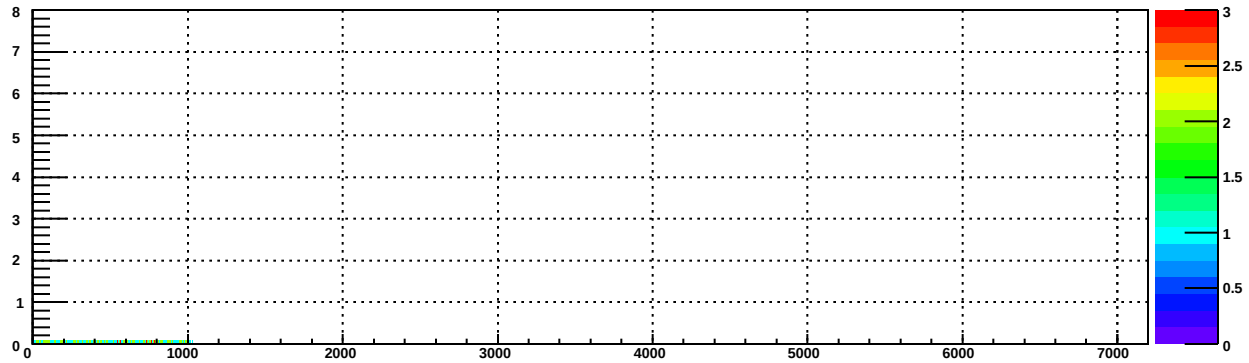
Event Size (Log10) vs time (sec)



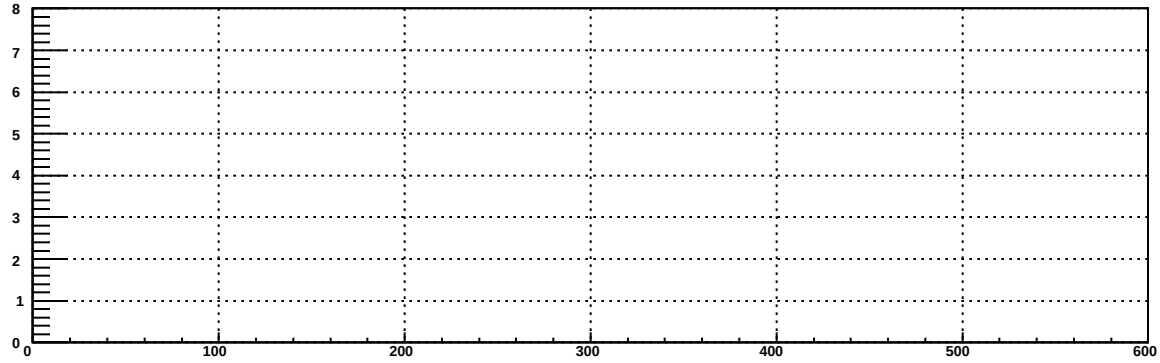

Event Size (Log10) vs time (sec)

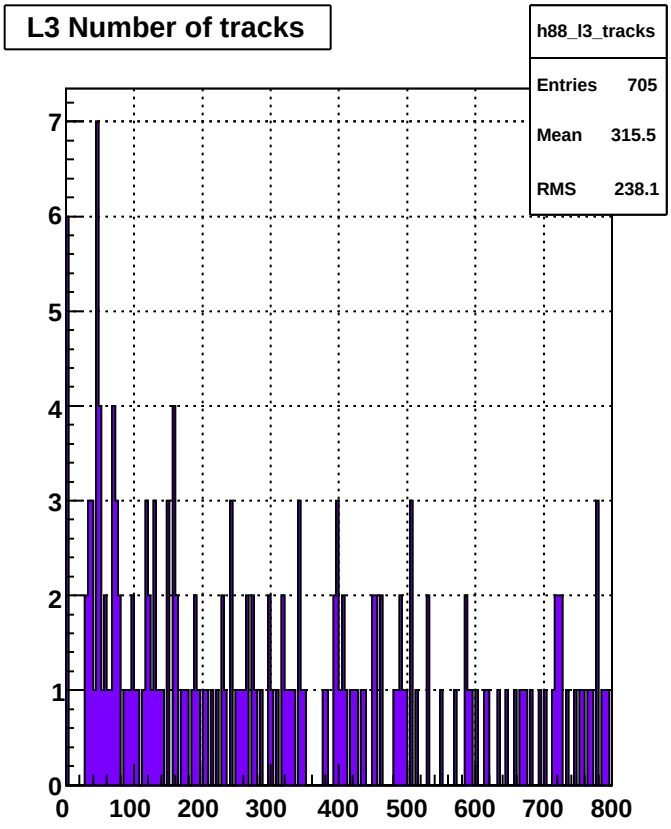


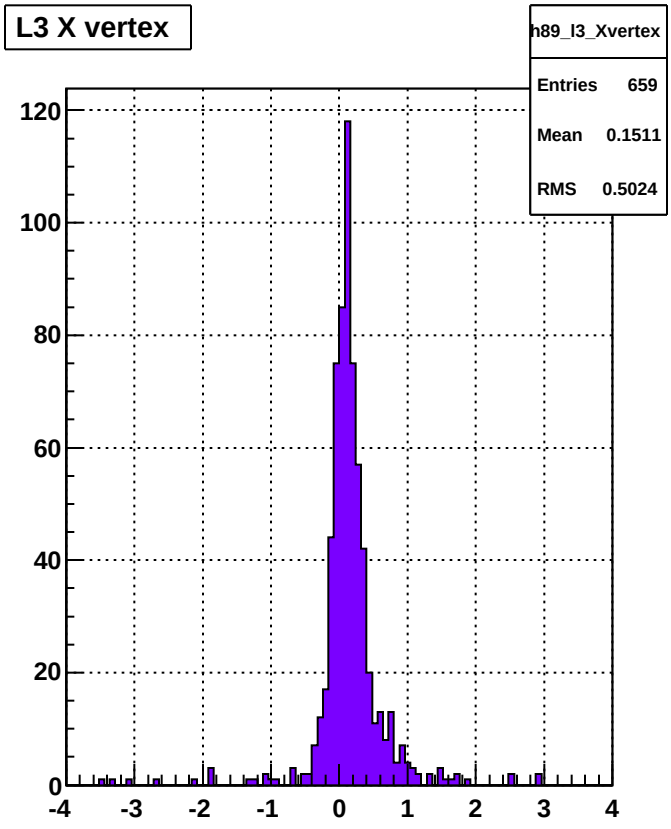

Event Size (Log10) vs time(sec)

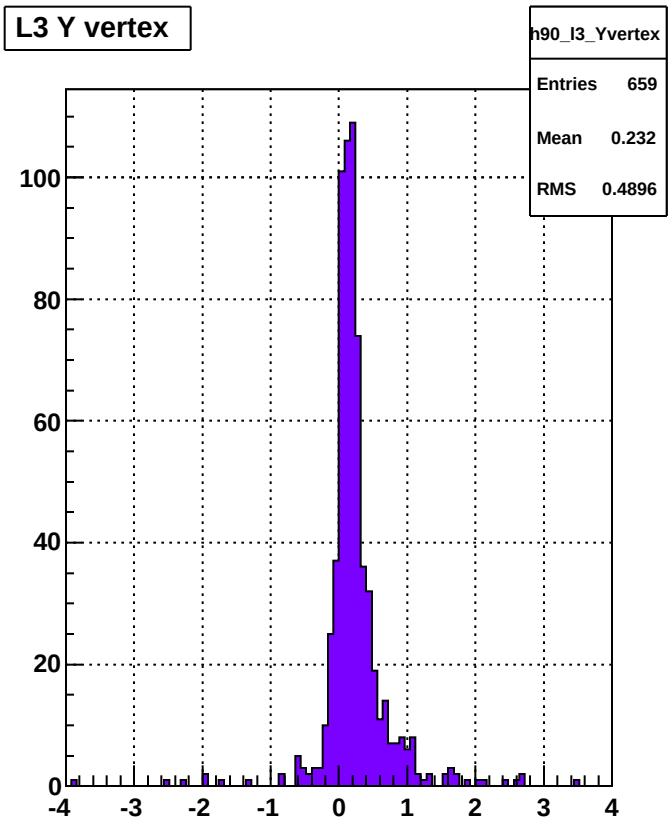


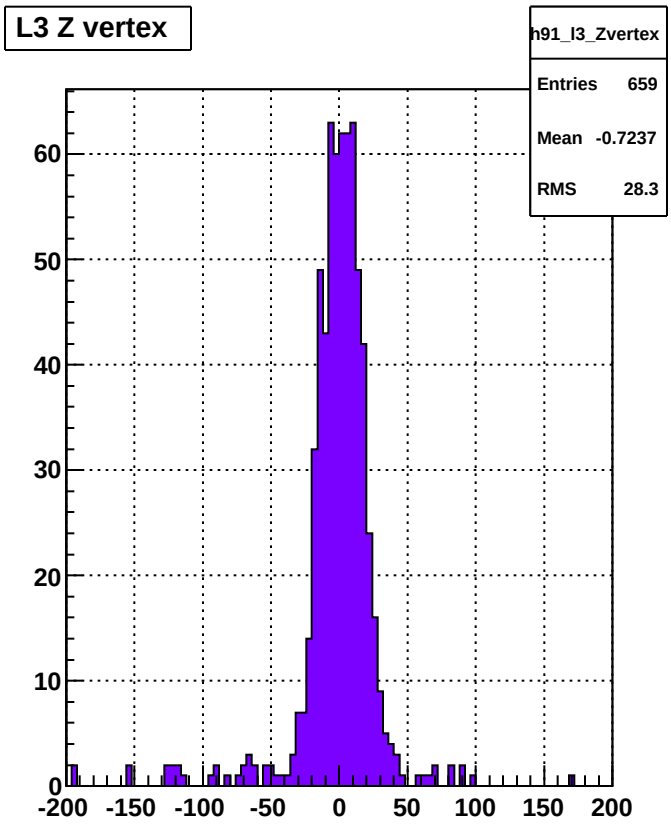

FTPC Event Size vs time(sec)



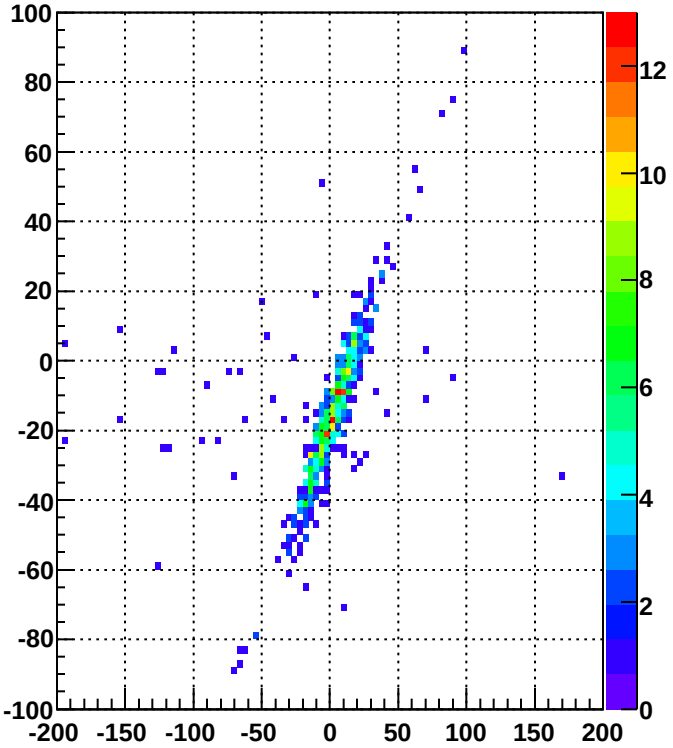

L3 Number of tracks
h88_l3_tracks
Entries 705
Mean 315.5
RMS 238.1


L3 X vertex
h89_l3_Xvertex
Entries 659
Mean 0.1511
RMS 0.5024

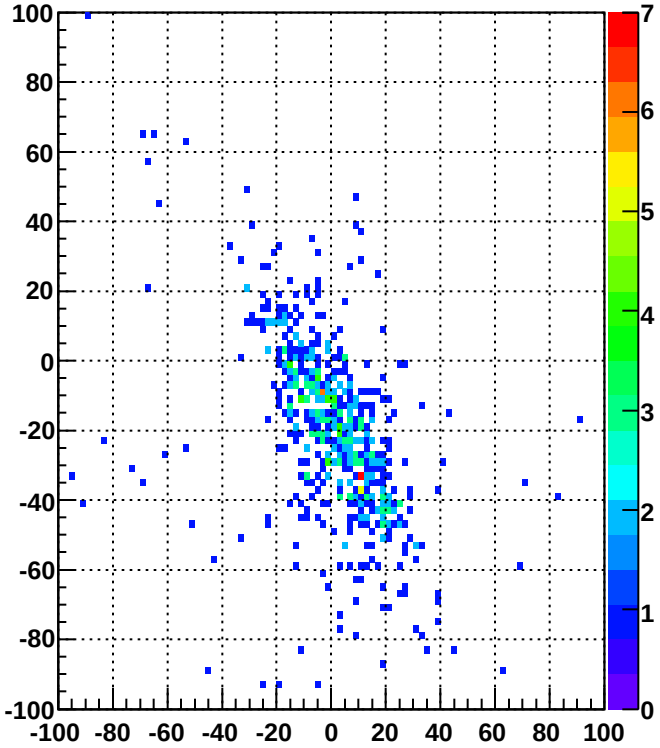

L3 Y vertex
h90_l3_Yvertex
Entries 659
Mean 0.232
RMS 0.4896


L3 Z vertex
h91_l3_Zvertex
Entries 659
Mean -0.7237
RMS 28.3

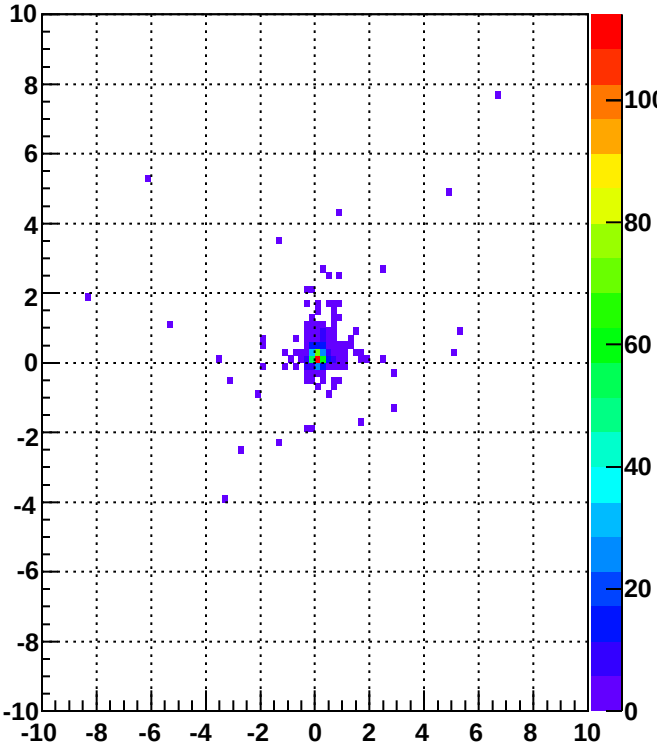
ZDC Vertex vs L3 Vertex



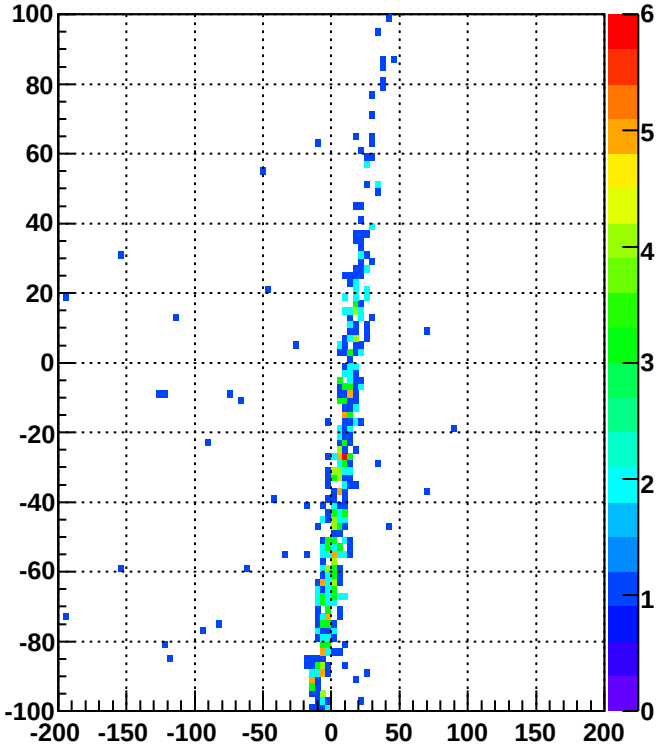

BBC Vertex vs L3 Vertex

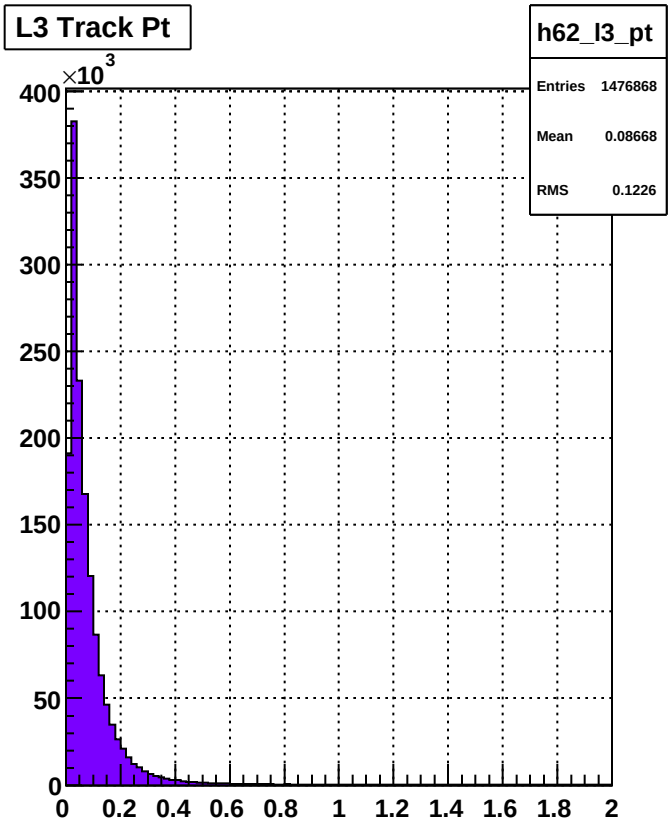


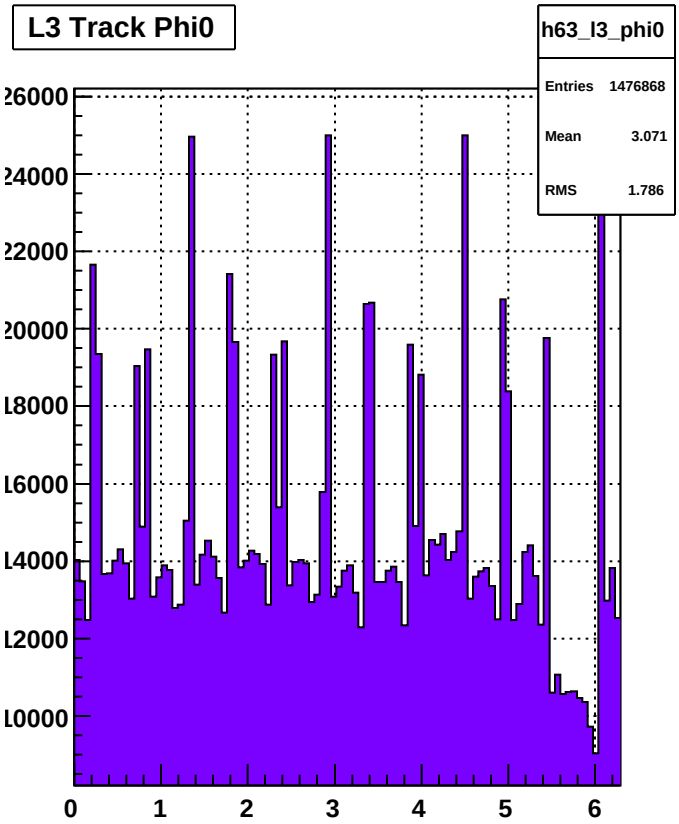

L3 Vertex Y vs X

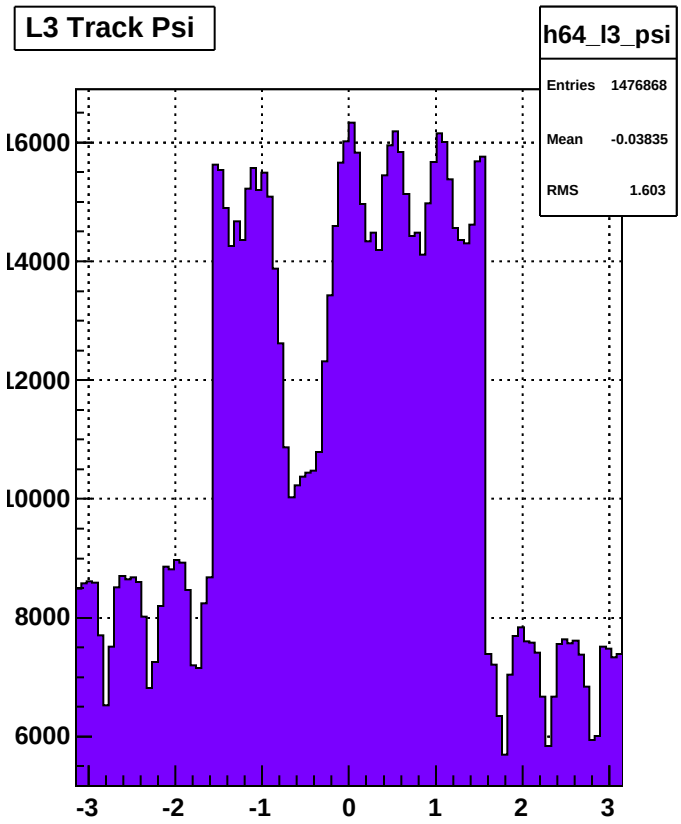


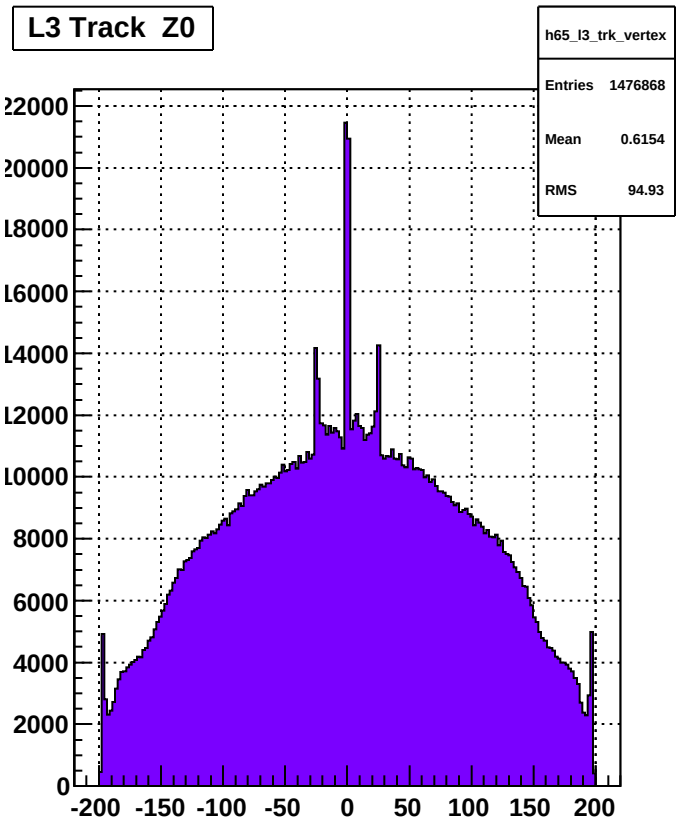

L3 Vertex-Z vs ZDC Timing difference

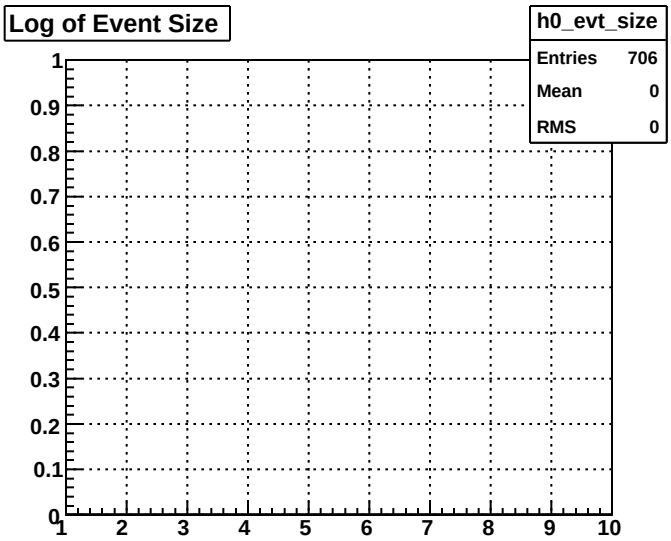


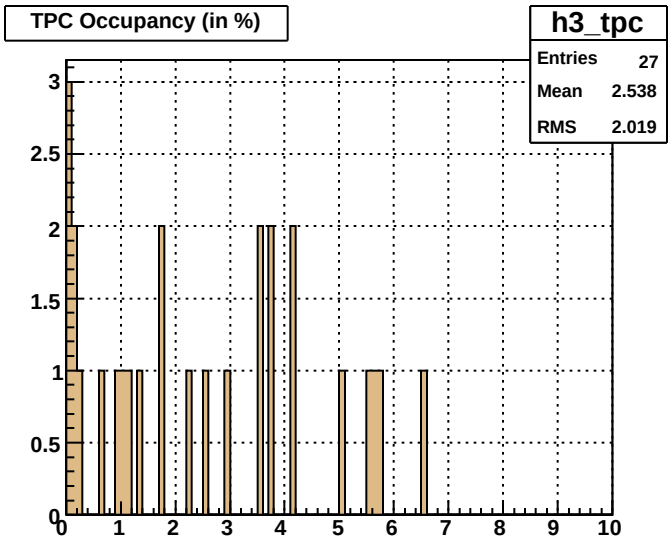

L3 Track Pt
h62_l3_pt
Entries 1476868
Mean 0.08668
RMS 0.1226
×10^3
400
350
300
250
200
150
100
50
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2

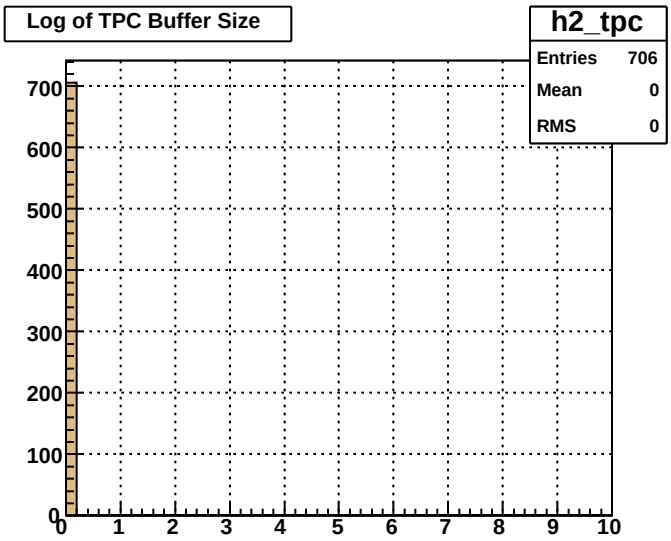

L3 Track Phi0
h63_l3_phi0
Entries 1476868
Mean 3.071
RMS 1.786
26000
24000
22000
20000
18000
16000
14000
12000
10000
0 1 2 3 4 5 6

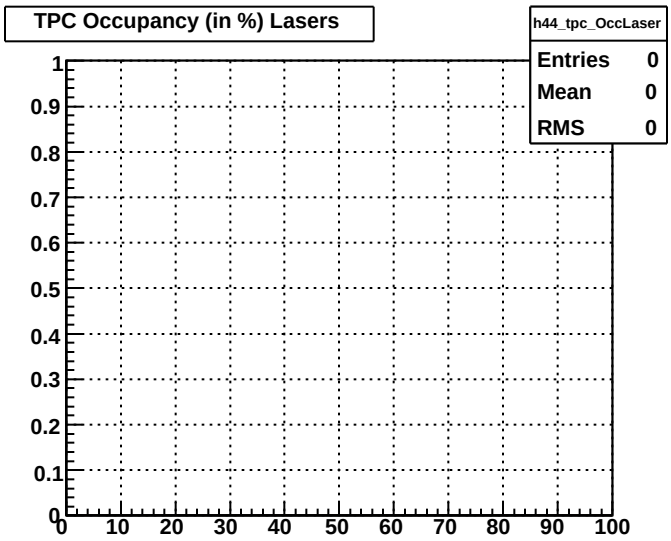

L3 Track Psi
h64_l3_psi
Entries 1476868
Mean -0.03835
RMS 1.603
16000
14000
12000
10000
8000
6000
-3 -2 -1 0 1 2 3

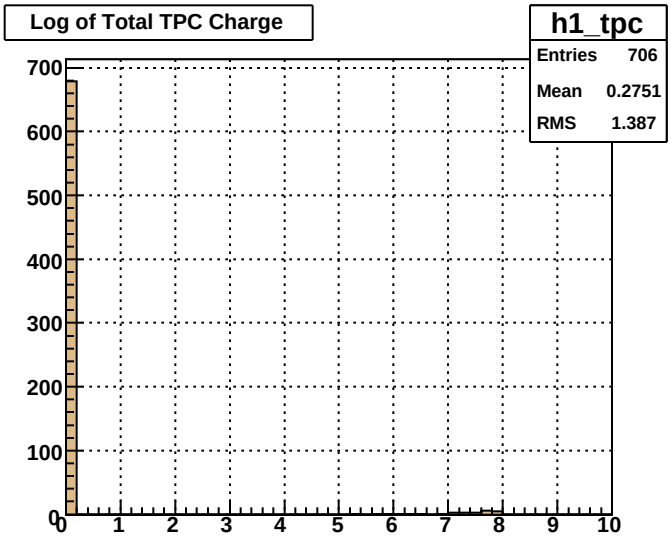

L3 Track Z0
h65_l3_trk_vertex
Entries 1476868
Mean 0.6154
RMS 94.93
22000
20000
18000
16000
14000
12000
10000
8000
6000
4000
2000
0
-200 -150 -100 -50 0 50 100 150 200

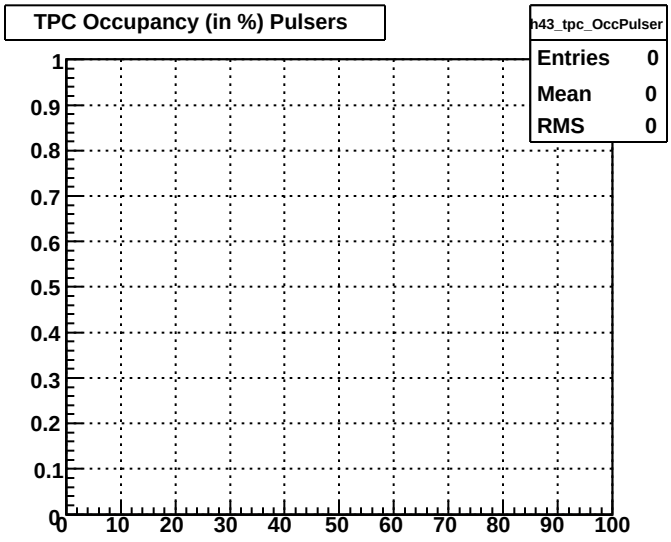

Log of Event Size
h0_evt_size
Entries 706
Mean 0
RMS 0


TPC Occupancy (in %)
h3_tpc
Entries 27
Mean 2.538
RMS 2.019

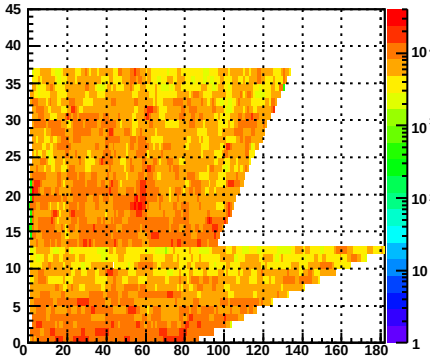

Log of TPC Buffer Size
h2_tpc
Entries 706
Mean 0
RMS 0


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

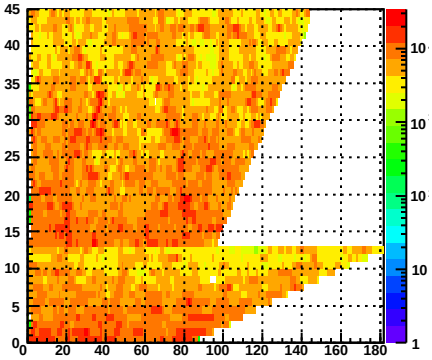

Log of Total TPC Charge
h1_tpc
Entries 706
Mean 0.2751
RMS 1.387


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

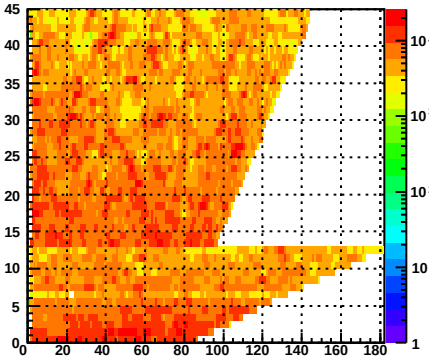
Sec. 1 charge per pad



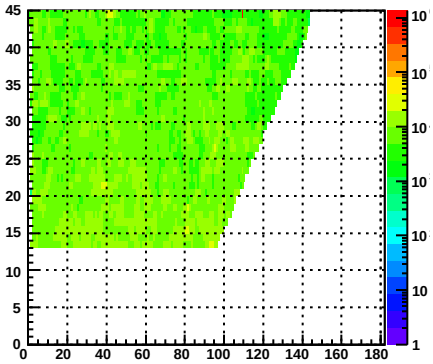
Sec. 2 charge per pad



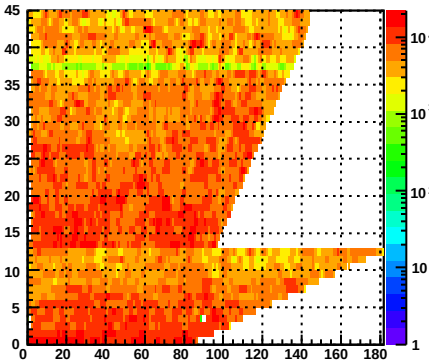
Sec. 3 charge per pad



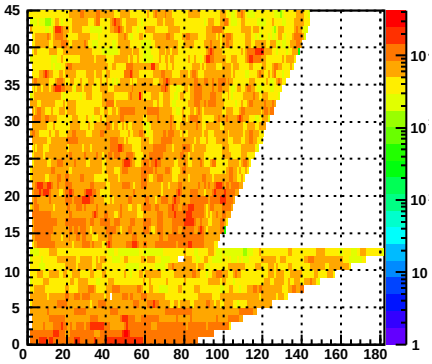
Sec. 4 charge per pad



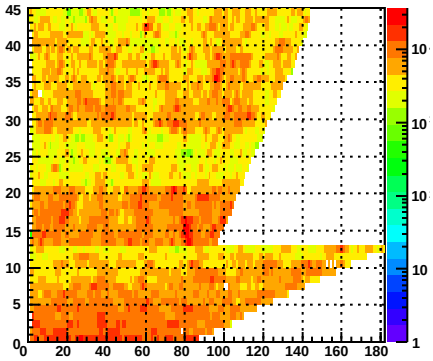
Sec. 5 charge per pad



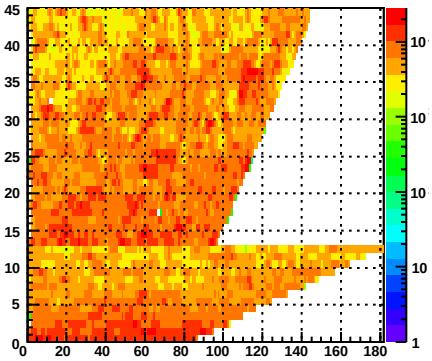
Sec. 6 charge per pad



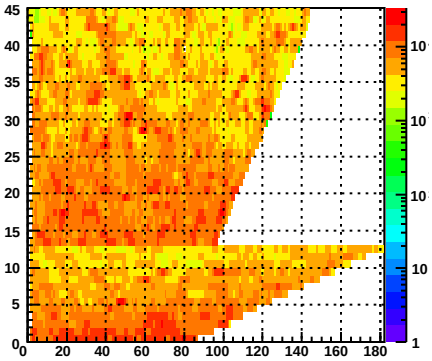
Sec. 7 charge per pad



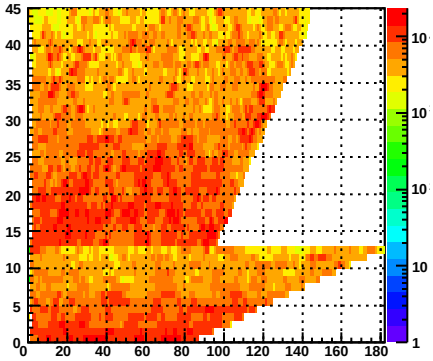
Sec. 8 charge per pad



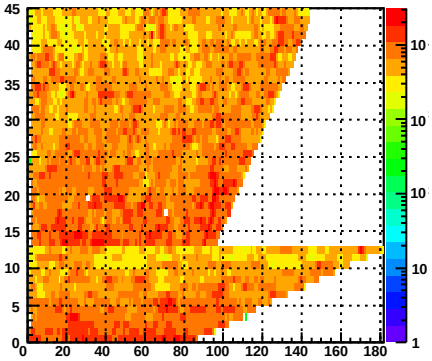
Sec. 9 charge per pad



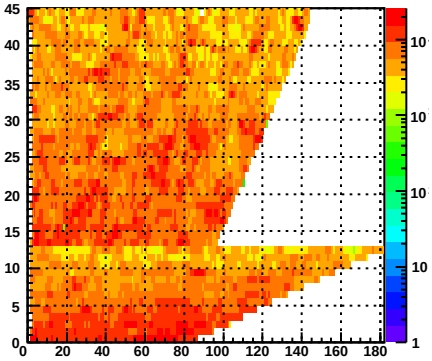
Sec. 10 charge per pad



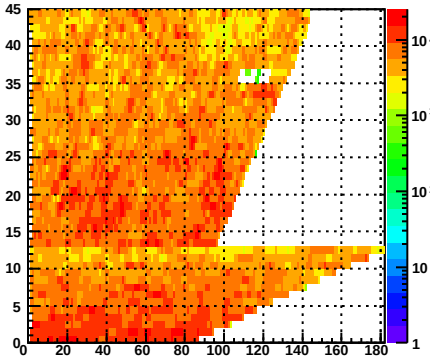
Sec. 11 charge per pad



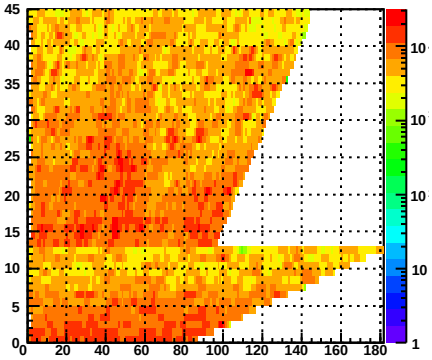
Sec. 12 charge per pad



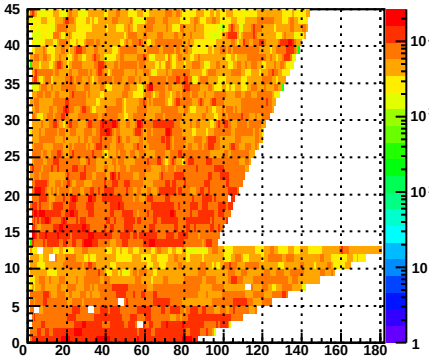
Sec. 13 charge per pad



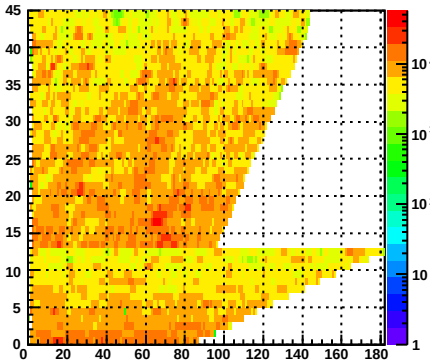
Sec. 14 charge per pad



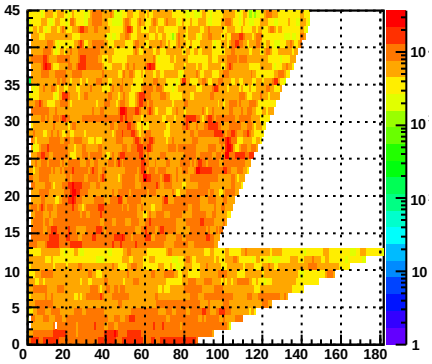
Sec. 15 charge per pad



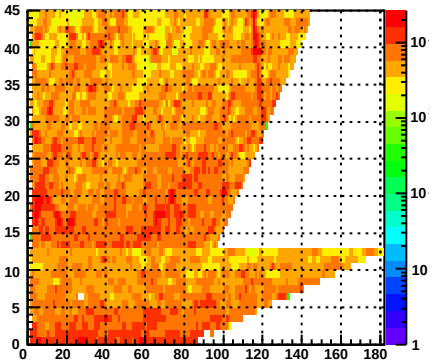
Sec. 16 charge per pad



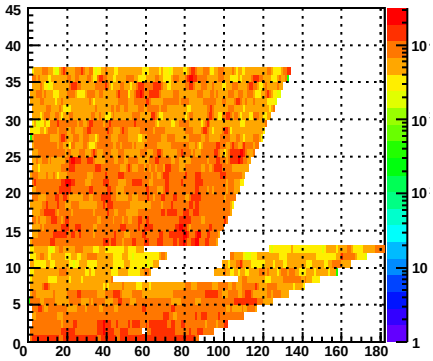
Sec. 17 charge per pad



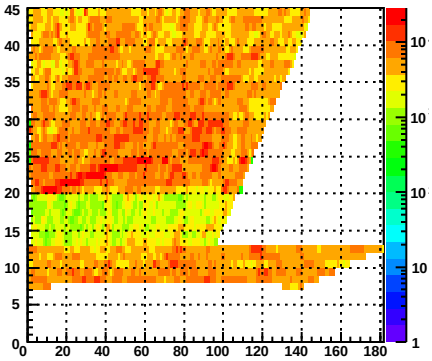
Sec. 18 charge per pad



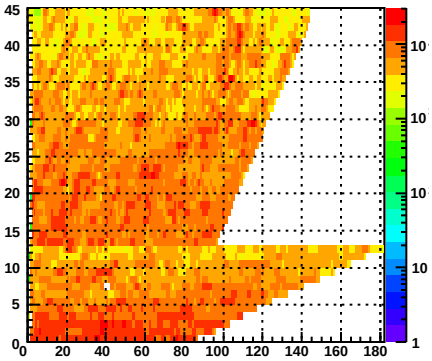
Sec. 19 charge per pad



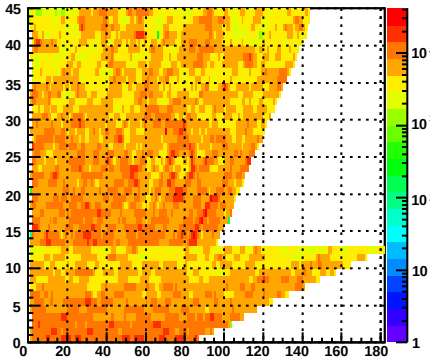
Sec. 20 charge per pad



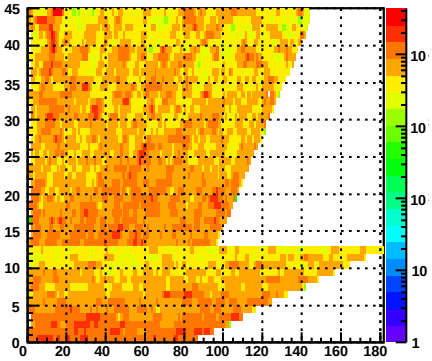
Sec. 21 charge per pad



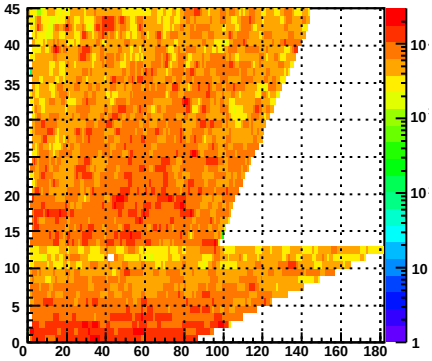
Sec. 22 charge per pad

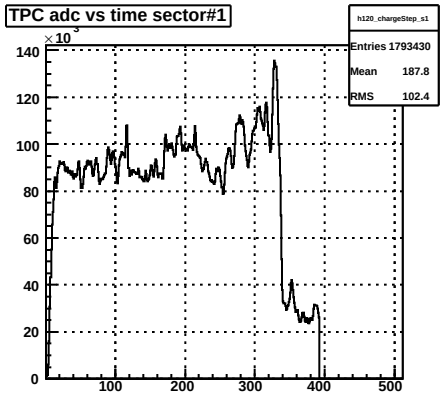


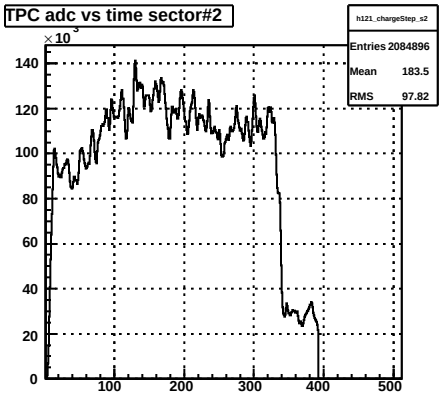
Sec. 23 charge per pad

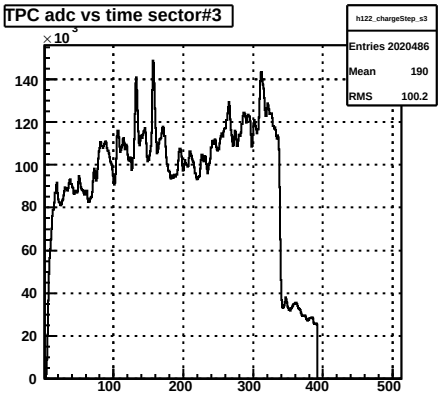


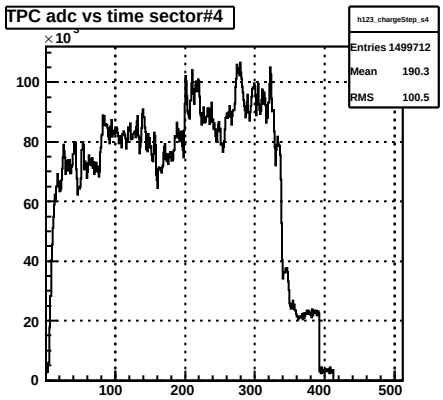
Sec. 24 charge per pad

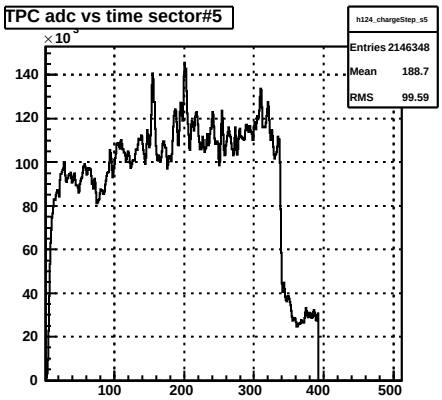


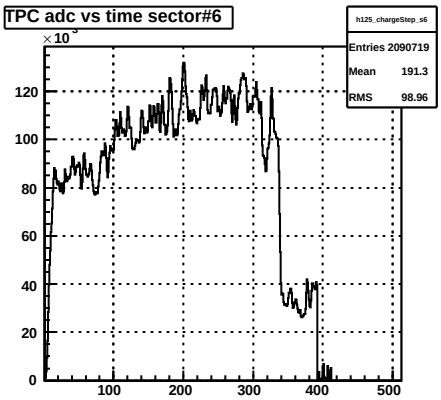

TPC adc vs time sector#1
h120_chargeStep_s1
Entries 1793430
Mean 187.8
RMS 102.4

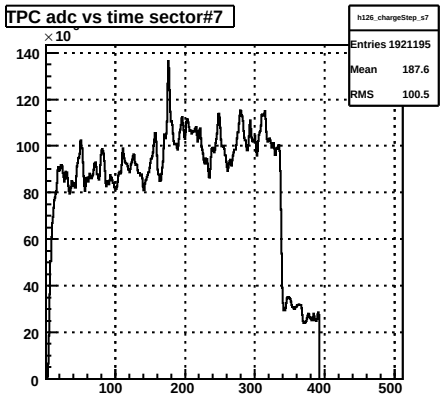

TPC adc vs time sector#2
h121_chargeStep_s2
Entries 2084896
Mean 183.5
RMS 97.82

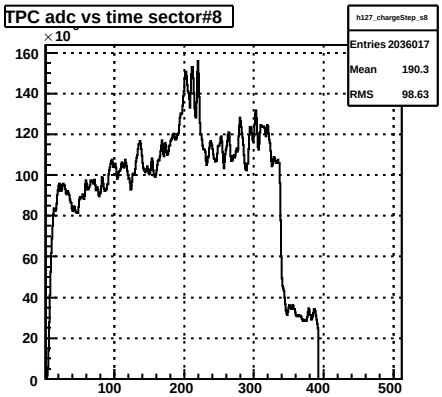

TPC adc vs time sector#3
h122_chargeStep_s3
Entries 2020486
Mean 190
RMS 100.2

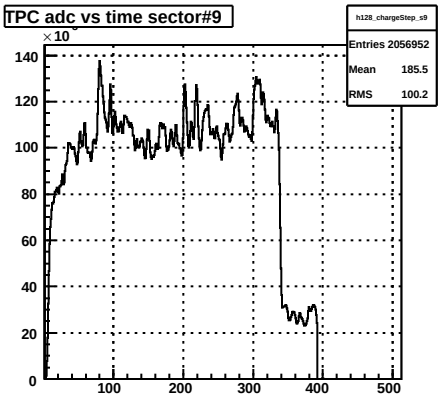

TPC adc vs time sector#4
h123_chargeStep_s4
Entries 1499712
Mean 190.3
RMS 100.5

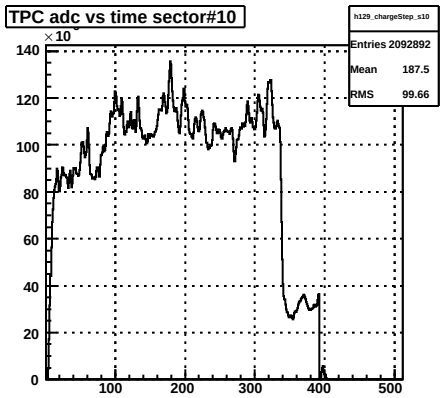

TPC adc vs time sector#5
h124_chargeStep_s5
Entries 2146348
Mean 188.7
RMS 99.59

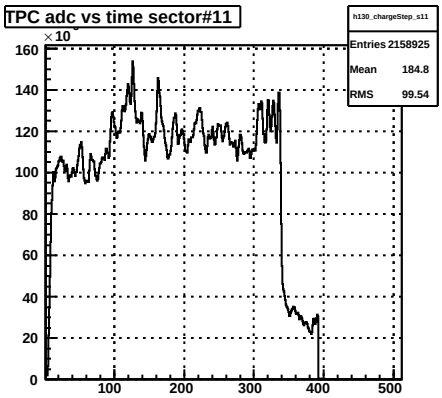

TPC adc vs time sector#6
h125_chargeStep_s6
Entries 2090719
Mean 191.3
RMS 98.96

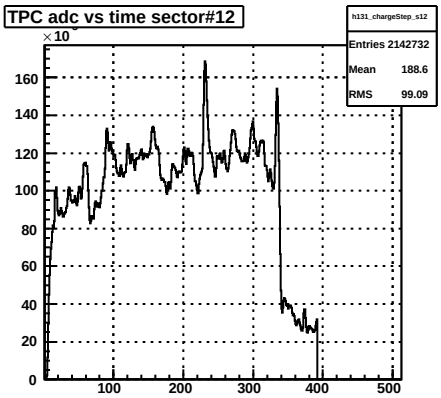

TPC adc vs time sector#7
h126_chargeStep_s7
Entries 1921195
Mean 187.6
RMS 100.5

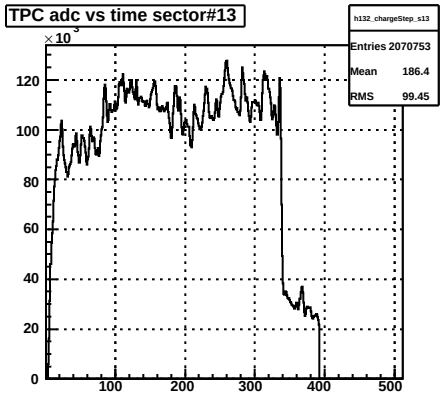

TPC adc vs time sector#8
h127_chargeStep_s8
Entries 2036017
Mean 190.3
RMS 98.63

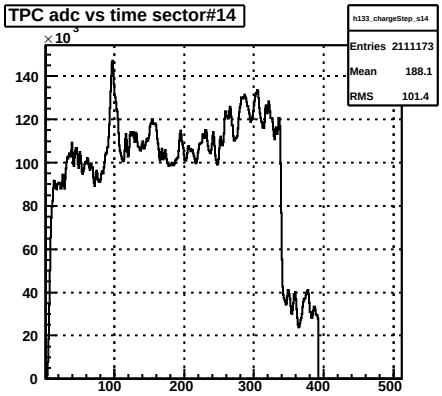

TPC adc vs time sector#9
h128_chargeStep_s9
Entries 2056952
Mean 185.5
RMS 100.2

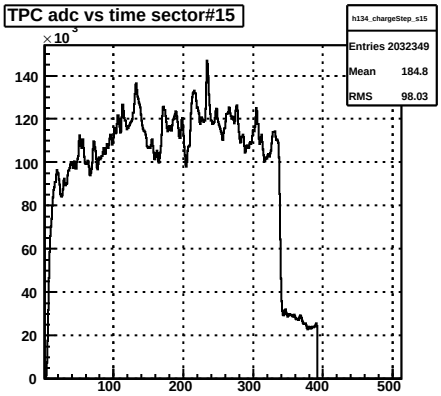

TPC adc vs time sector#10
h129_chargeStep_s10
Entries 2092892
Mean 187.5
RMS 99.66

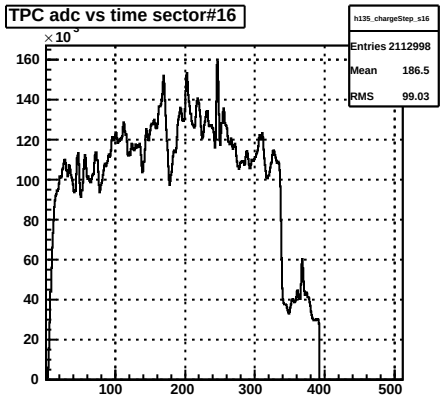

TPC adc vs time sector#11
h130_chargeStep_s11
Entries 2158925
Mean 184.8
RMS 99.54

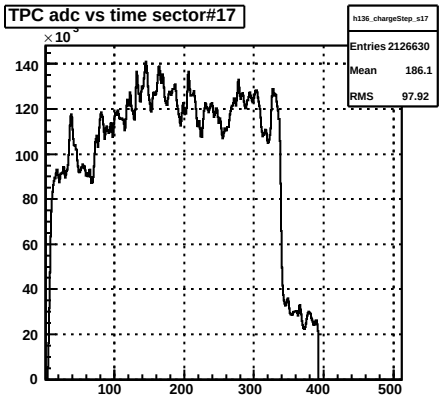

TPC adc vs time sector#12
h131_chargeStep_s12
Entries 2142732
Mean 188.6
RMS 99.09

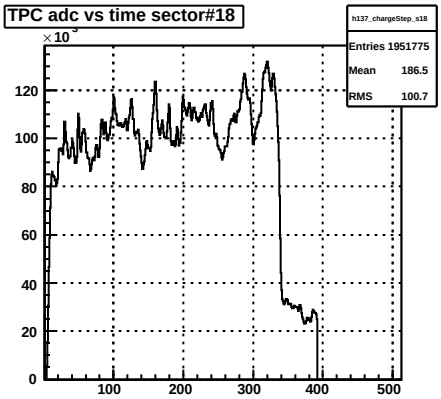

TPC adc vs time sector#13
h132_chargeStep_s13
Entries 2070753
Mean 186.4
RMS 99.45

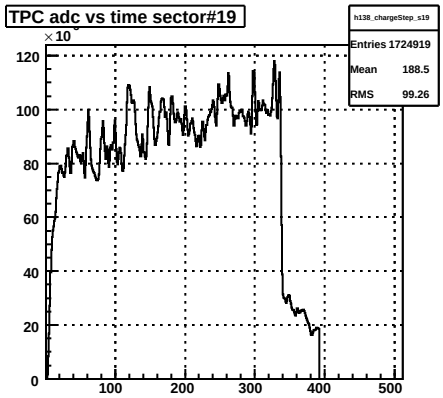

TPC adc vs time sector#14
h133_chargeStep_s14
Entries 2111173
Mean 188.1
RMS 101.4

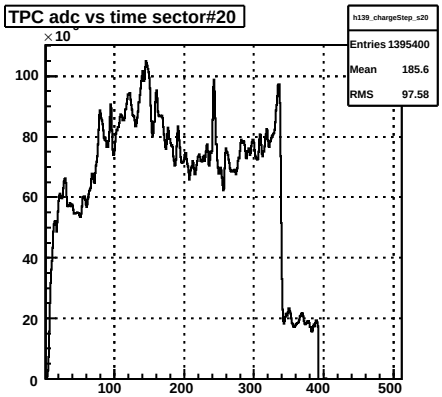

TPC adc vs time sector#15
h134_chargeStep_s15
Entries 2032349
Mean 184.8
RMS 98.03

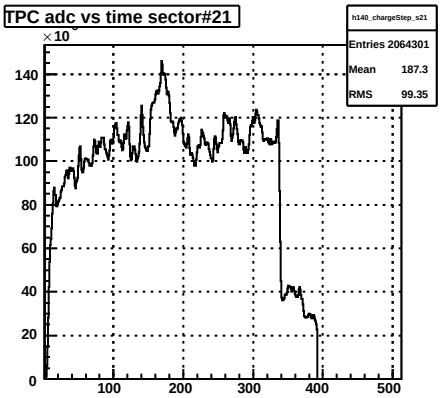

TPC adc vs time sector#16
h135_chargeStep_s16
Entries 2112998
Mean 186.5
RMS 99.03

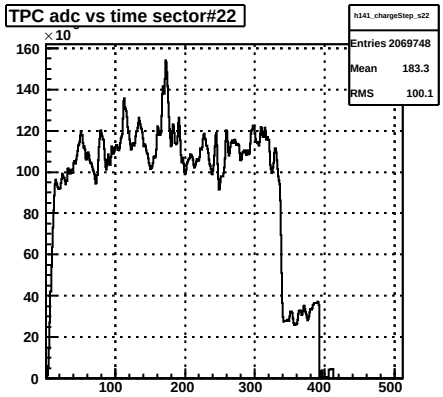

TPC adc vs time sector#17
h136_chargeStep_s17
Entries 2126630
Mean 186.1
RMS 97.92

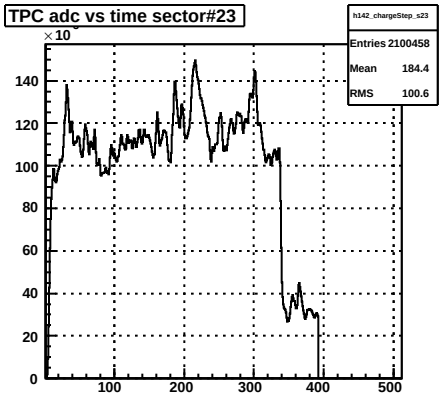

TPC adc vs time sector#18
h137_chargeStep_s18
Entries 1951775
Mean 186.5
RMS 100.7

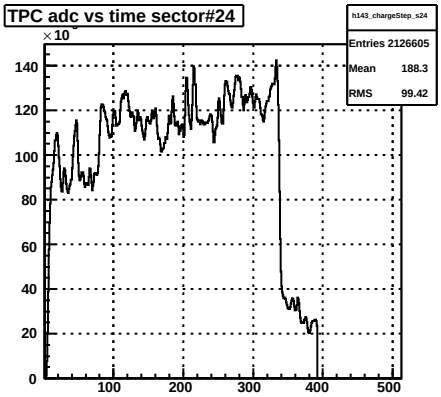

TPC adc vs time sector#19
h138_chargeStep_s19
Entries 1724919
Mean 188.5
RMS 99.26

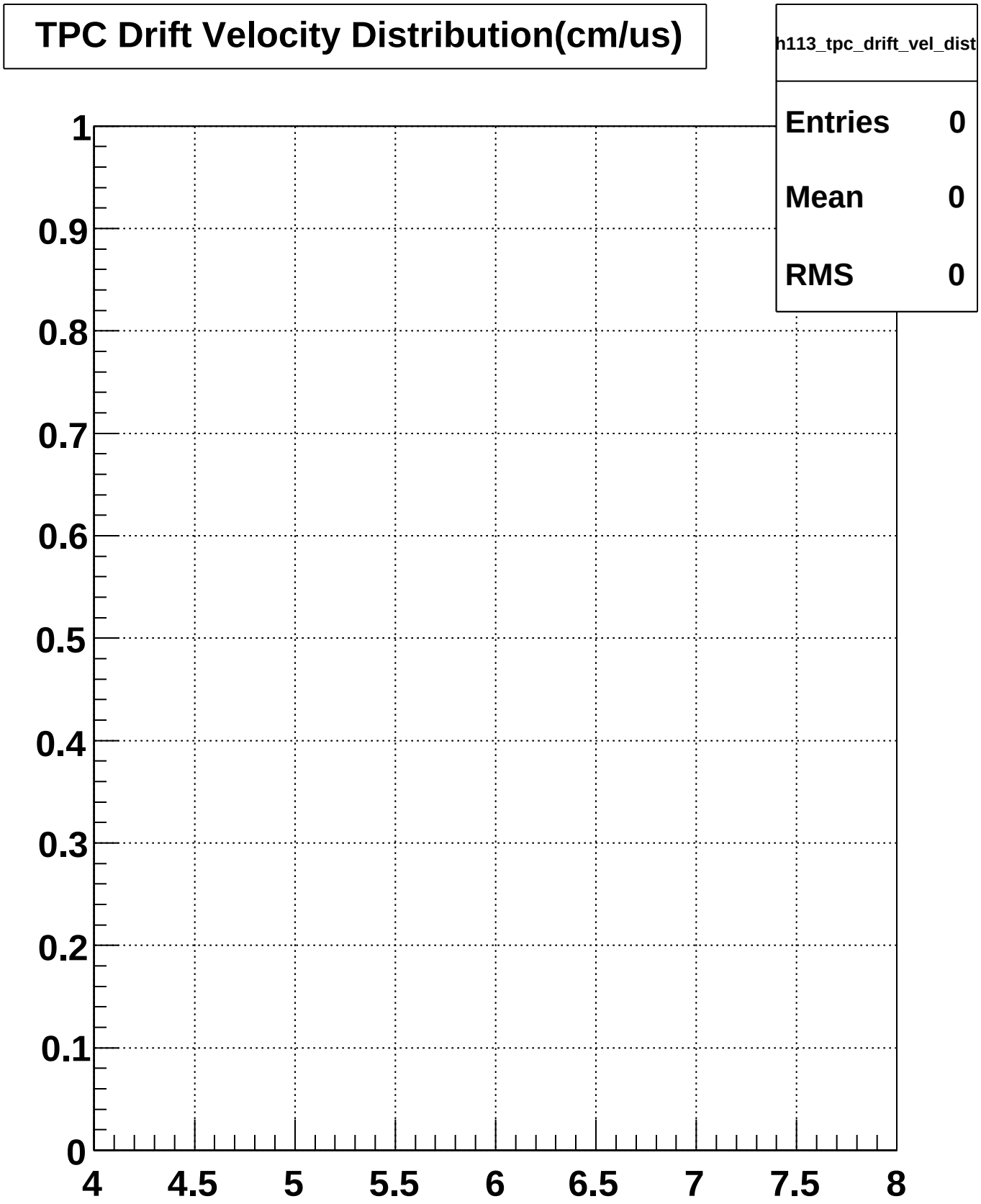

TPC adc vs time sector#20
h139_chargeStep_s20
Entries 1395400
Mean 185.6
RMS 97.58

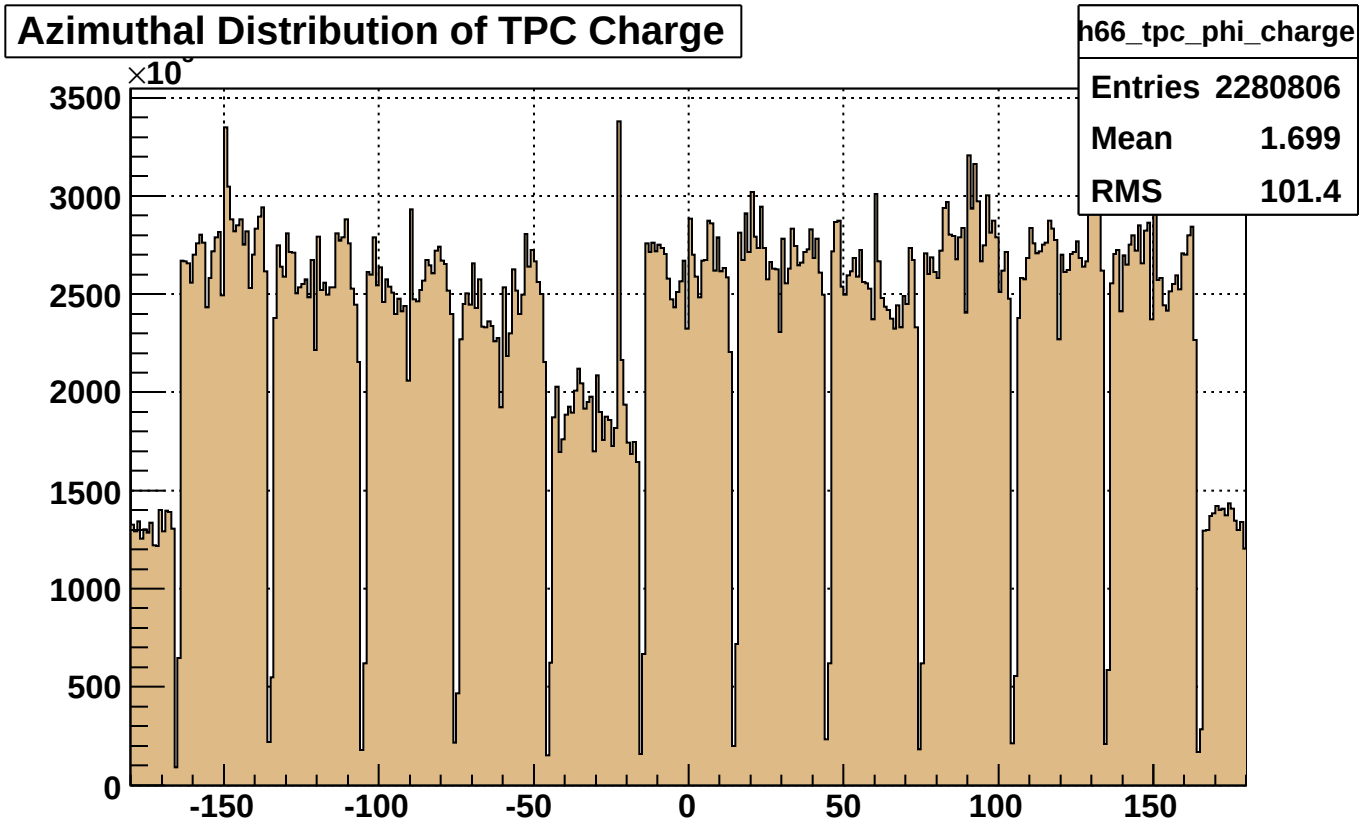

TPC adc vs time sector#21
h140_chargeStep_s21
Entries 2064301
Mean 187.3
RMS 99.35

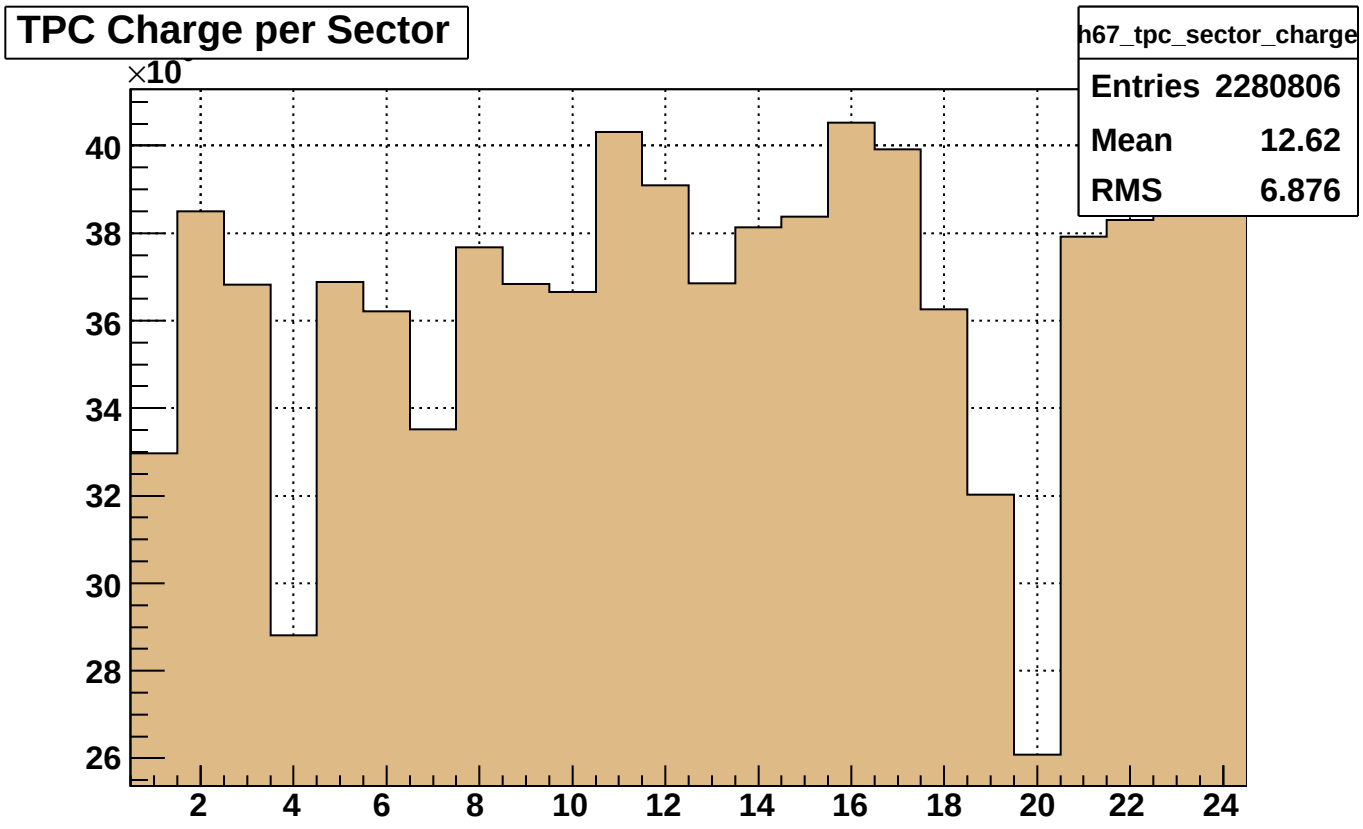

TPC adc vs time sector#22
h141_chargeStep_s22
Entries 2069748
Mean 183.3
RMS 100.1

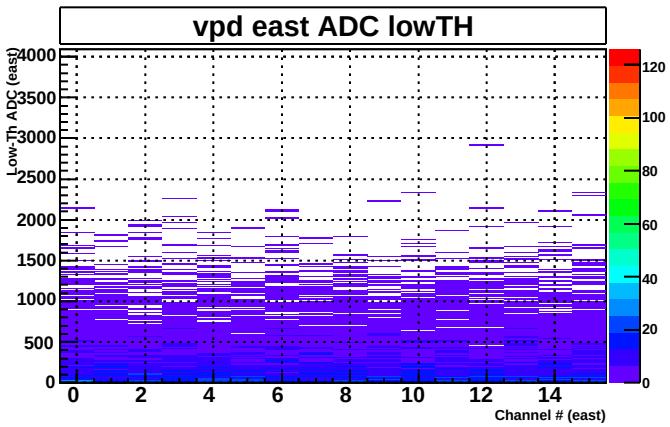

TPC adc vs time sector#23
h142_chargeStep_s23
Entries 2100458
Mean 184.4
RMS 100.6

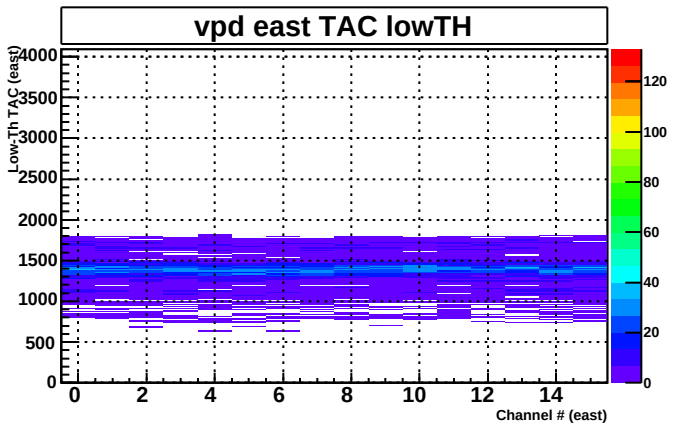

TPC adc vs time sector#24
h143_chargeStep_s24
Entries 2126605
Mean 188.3
RMS 99.42

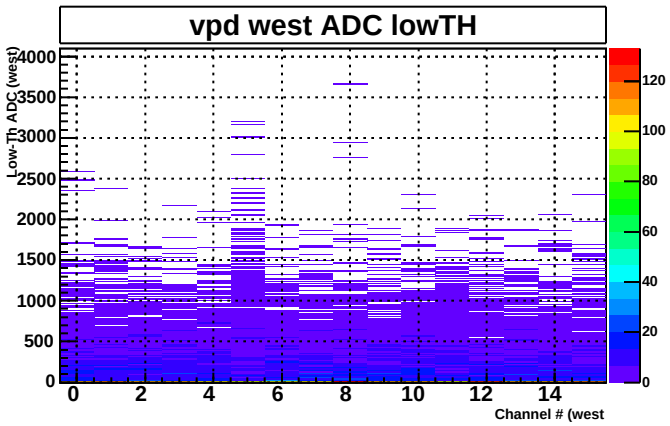

TPC Drift Velocity Distribution(cm/us)
h113_tpc_drift_vel_dist
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
4
4.5
5
5.5
6
6.5
7
7.5
8

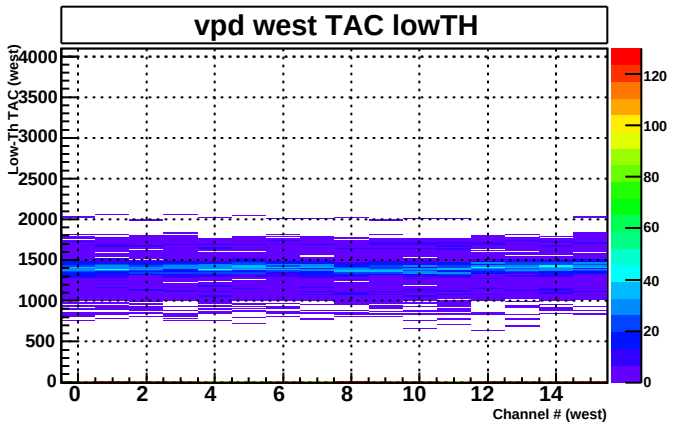

Azimuthal Distribution of TPC Charge
h66_tpc_phi_charge
Entries 2280806
Mean 1.699
RMS 101.4
×10
3500
3000
2500
2000
1500
1000
500
0
-150
-100
-50
0
50
100
150

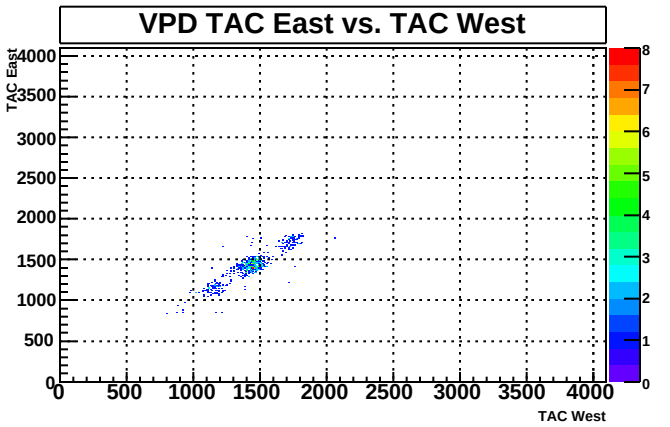

TPC Charge per Sector
h67_tpc_sector_charge
Entries 2280806
Mean 12.62
RMS 6.876
×10
40
38
36
34
32
30
28
26
2
4
6
8
10
12
14
16
18
20
22
24

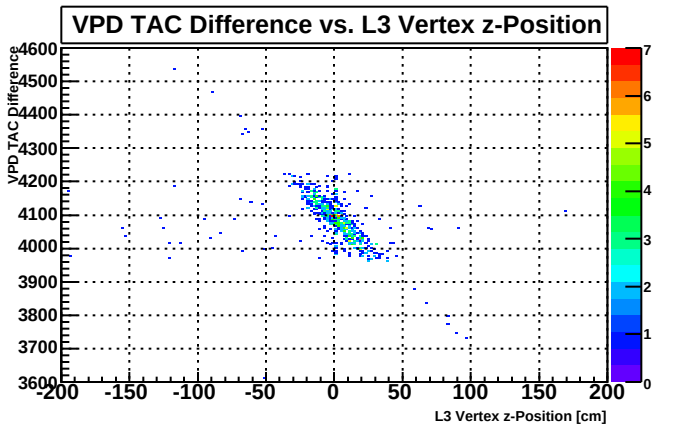

vpd east ADC lowTH
Low-Th ADC (east)
Channel # (east)

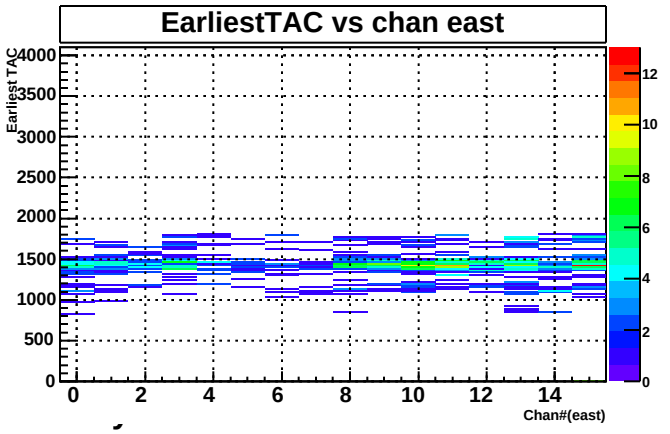

vpd east TAC lowTH
Low-Th TAC (east)
Channel # (east)

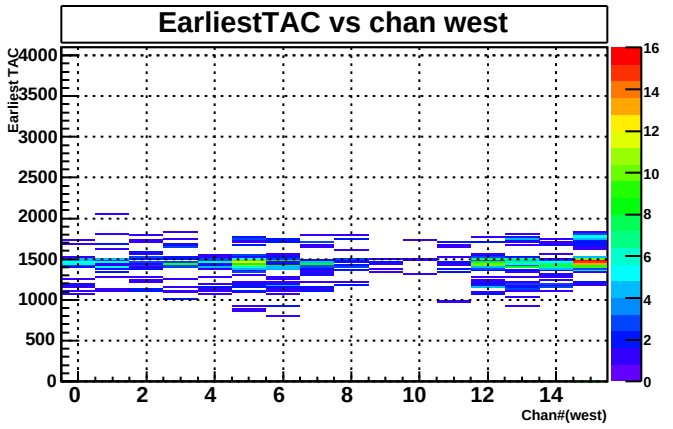

vpd west ADC lowTH
Low-Th ADC (west)
Channel # (west

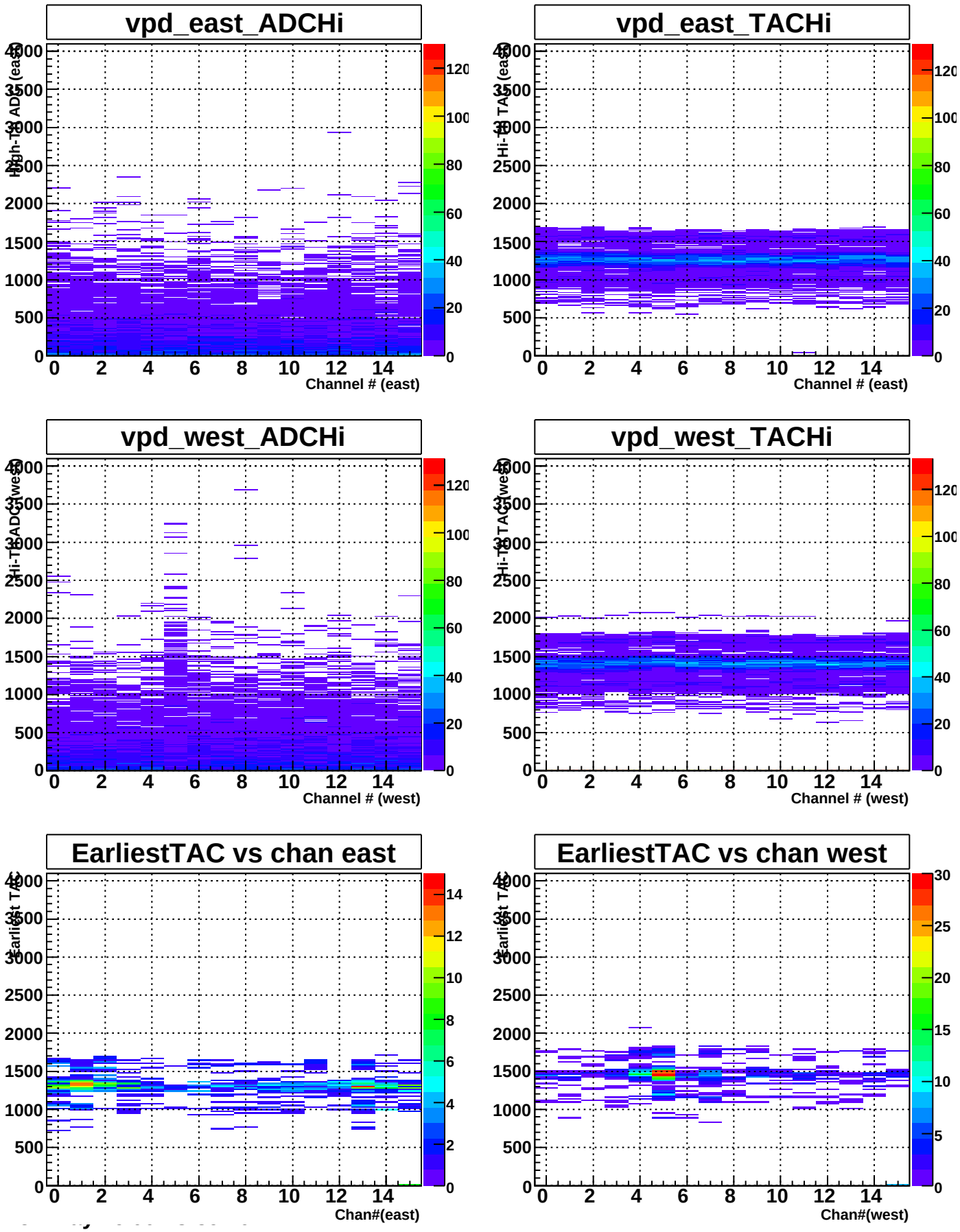

vpd west TAC lowTH
Low-Th TAC (west)
Channel # (west)

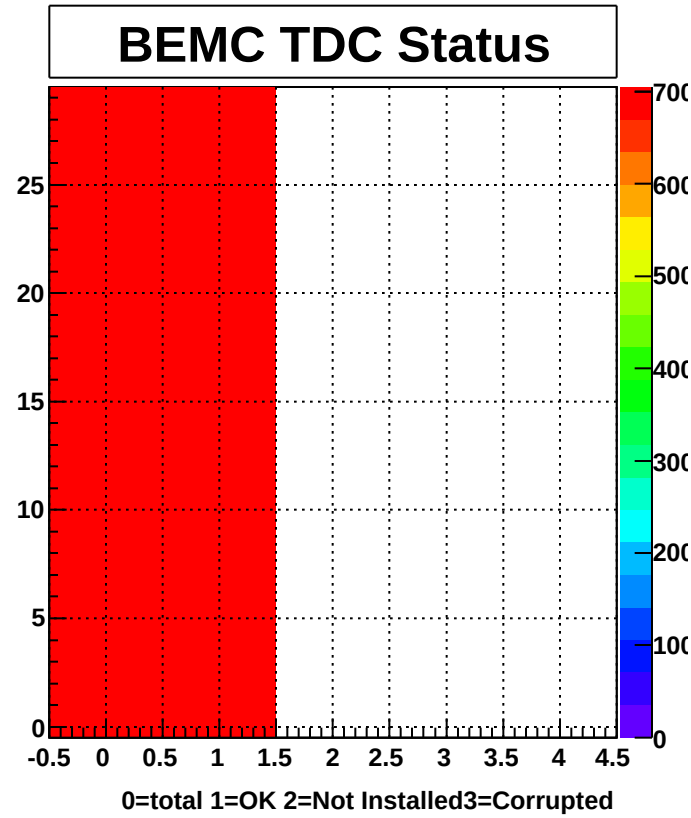

VPD TAC East vs. TAC West
TAC East
TAC West

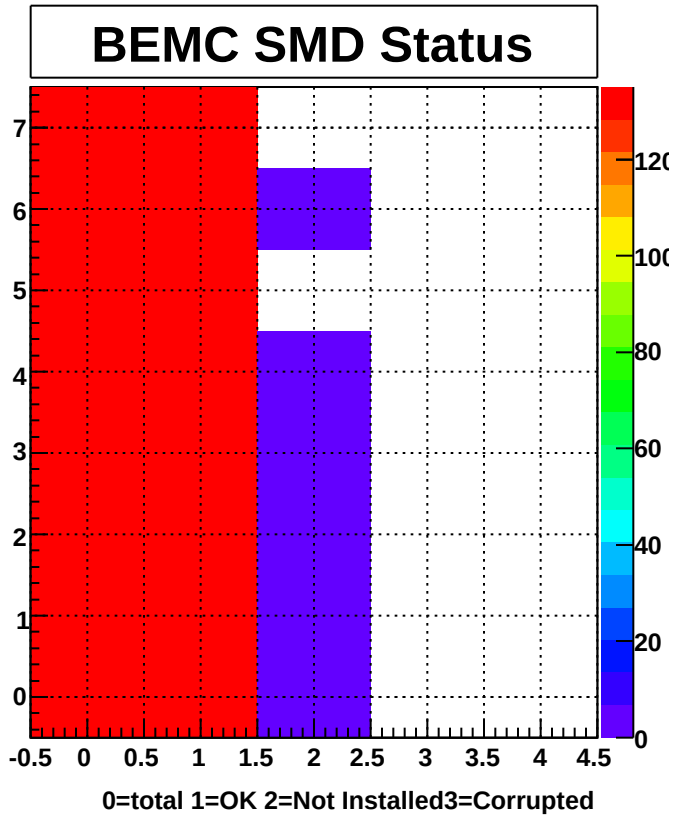

VPD TAC Difference vs. L3 Vertex z-Position
VPD TAC Difference
L3 Vertex z-Position [cm]

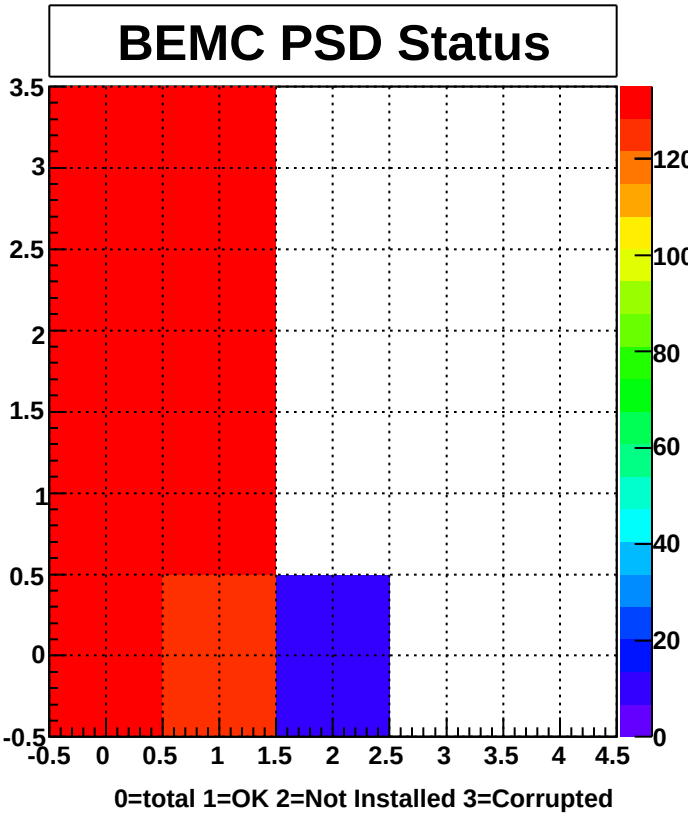

EarliestTAC vs chan east
Earliest TAC
Chan#(east)

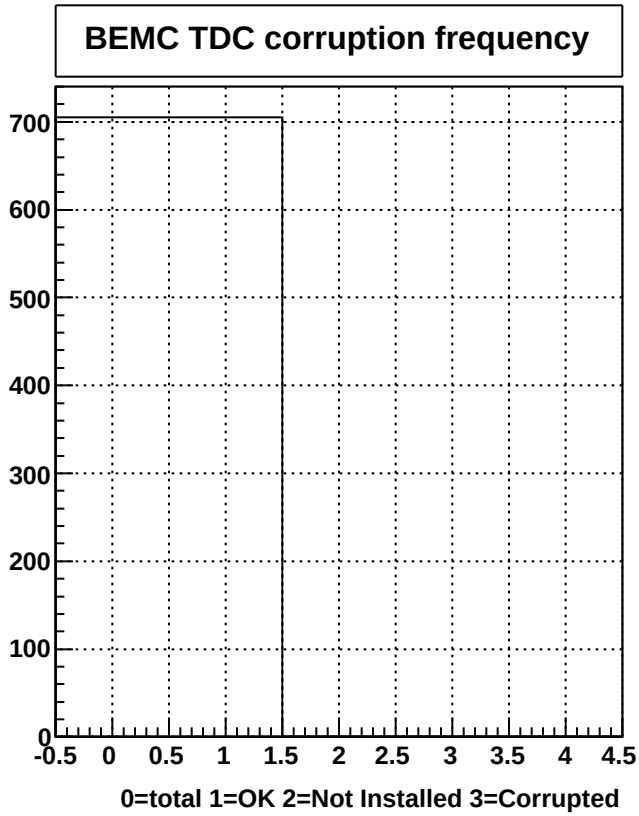

EarliestTAC vs chan west
Earliest TAC
Chan#(west)


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)

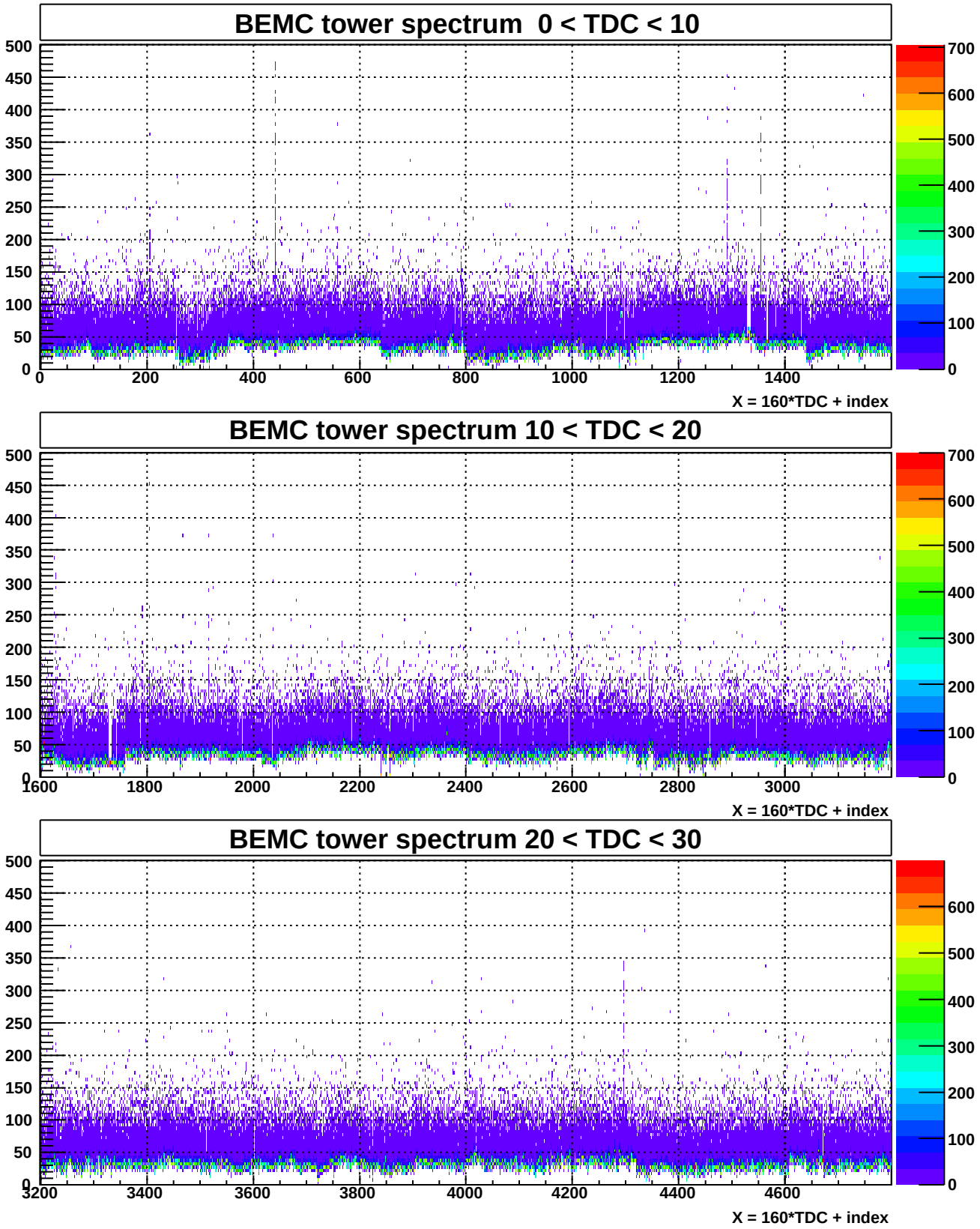


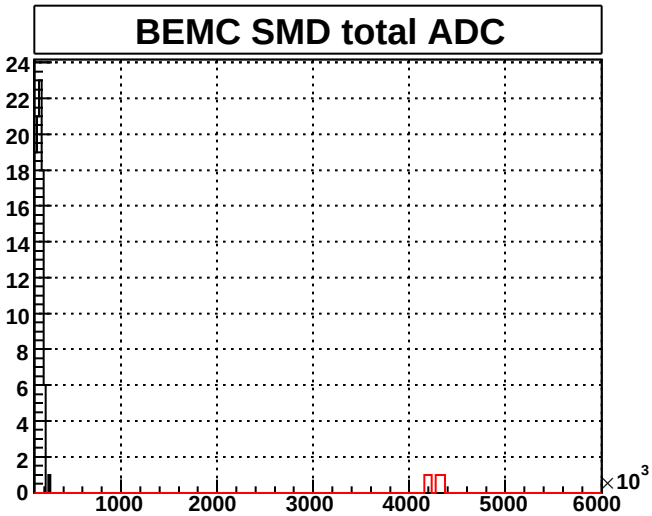



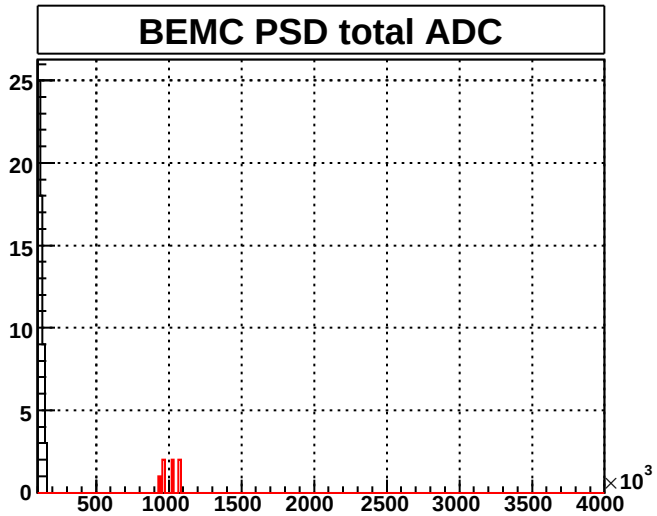



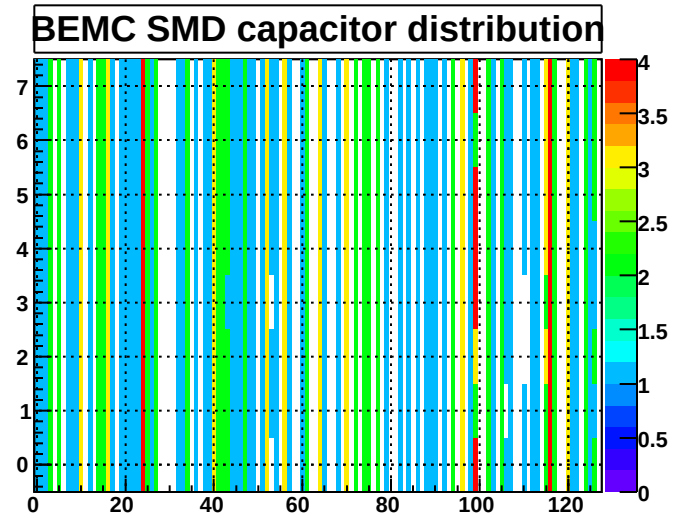

Mon May 16 00:13:59 2011

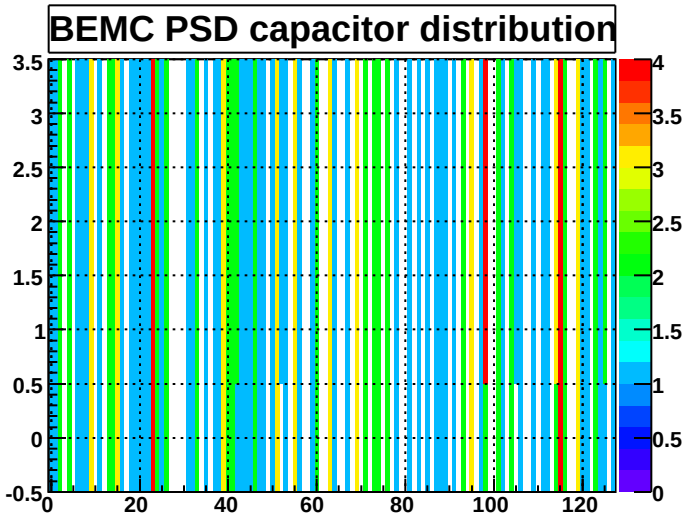


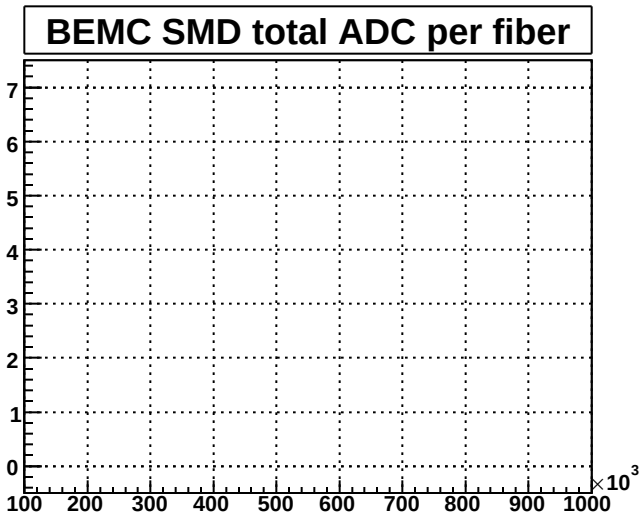

Mon May 16 00:13:59 2011

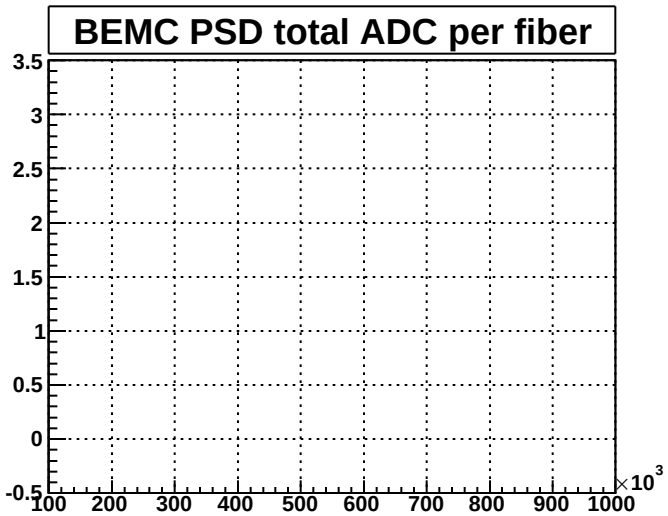


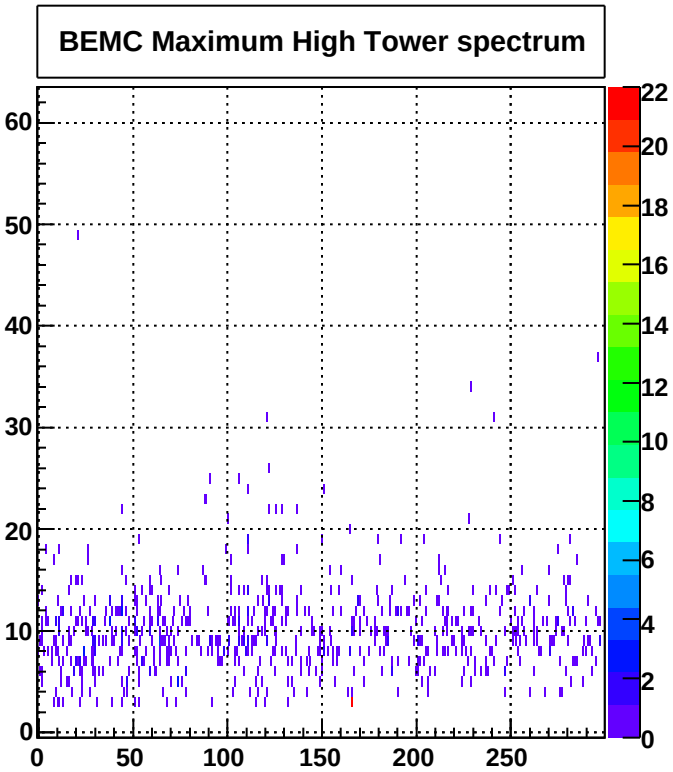



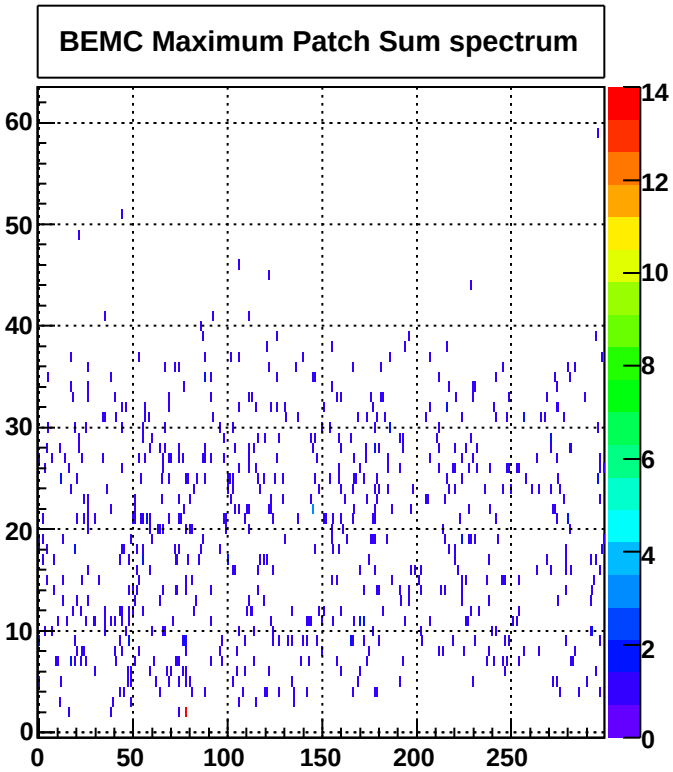



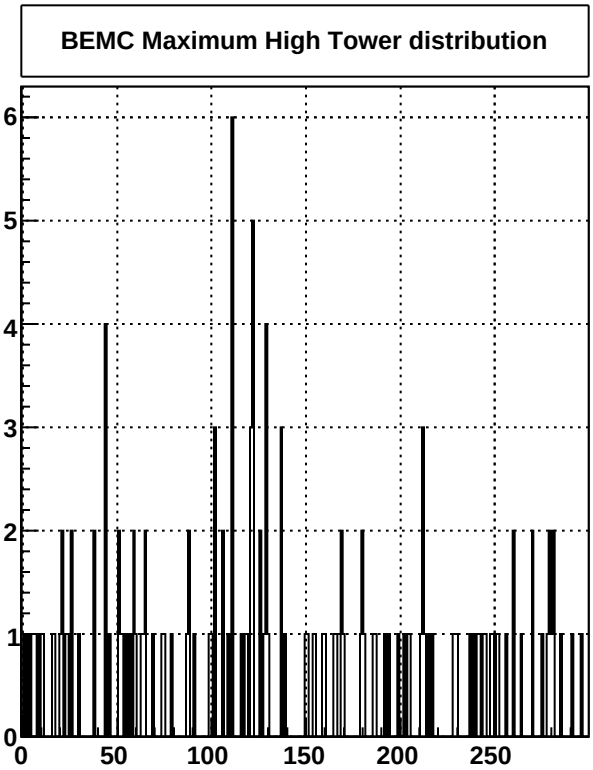



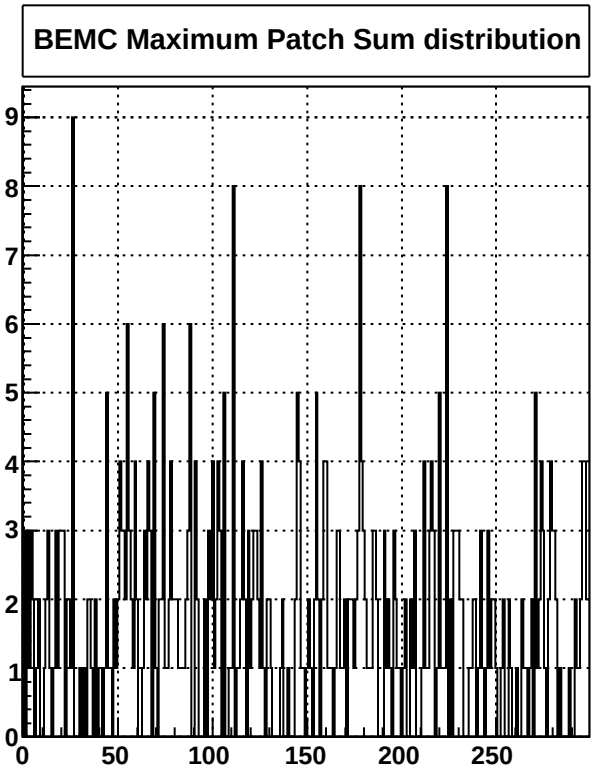




Mon May 16 00:13:59 2011

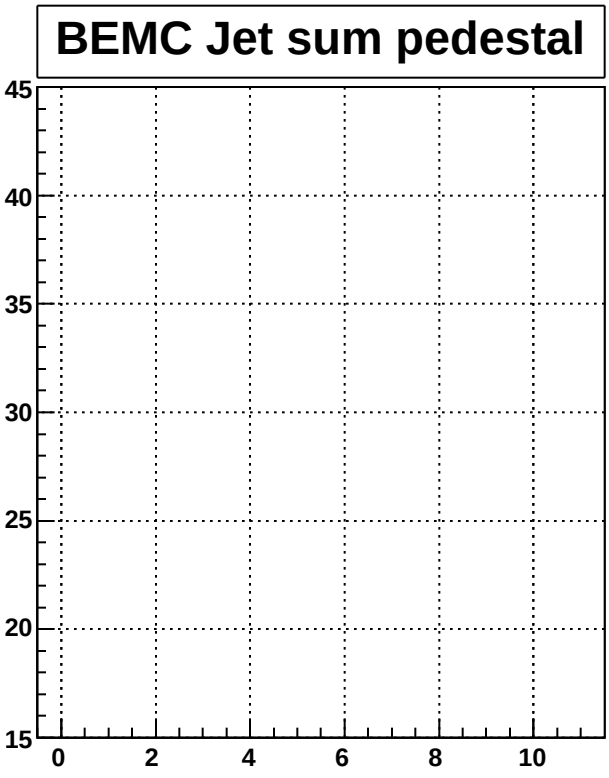


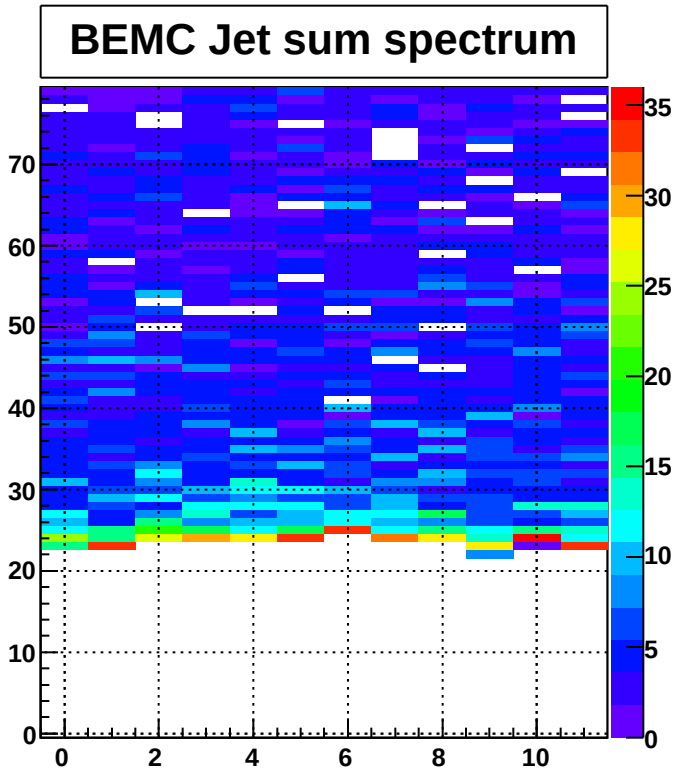



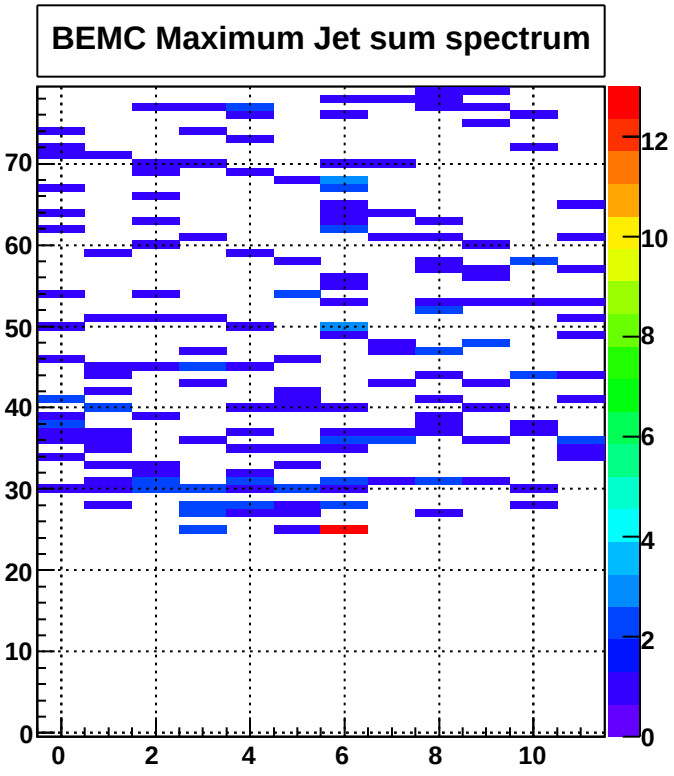



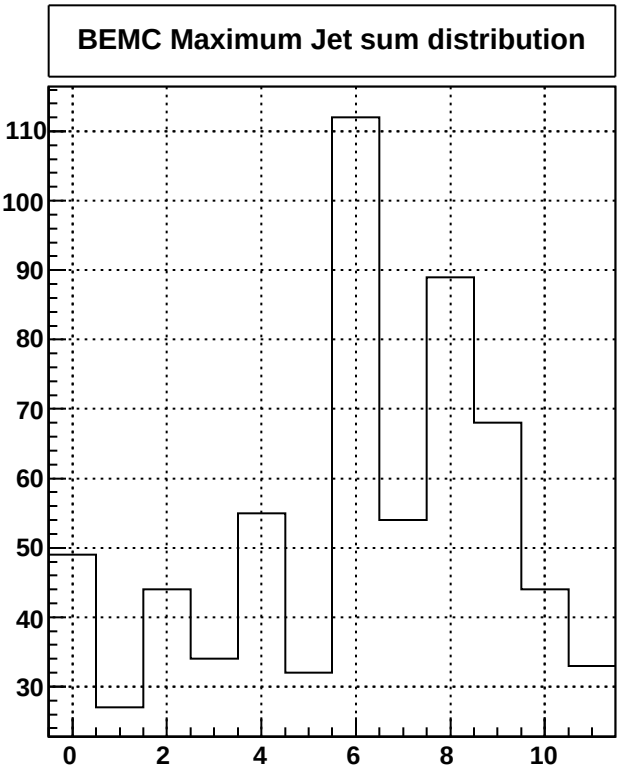




Mon May 16 00:13:59 2011

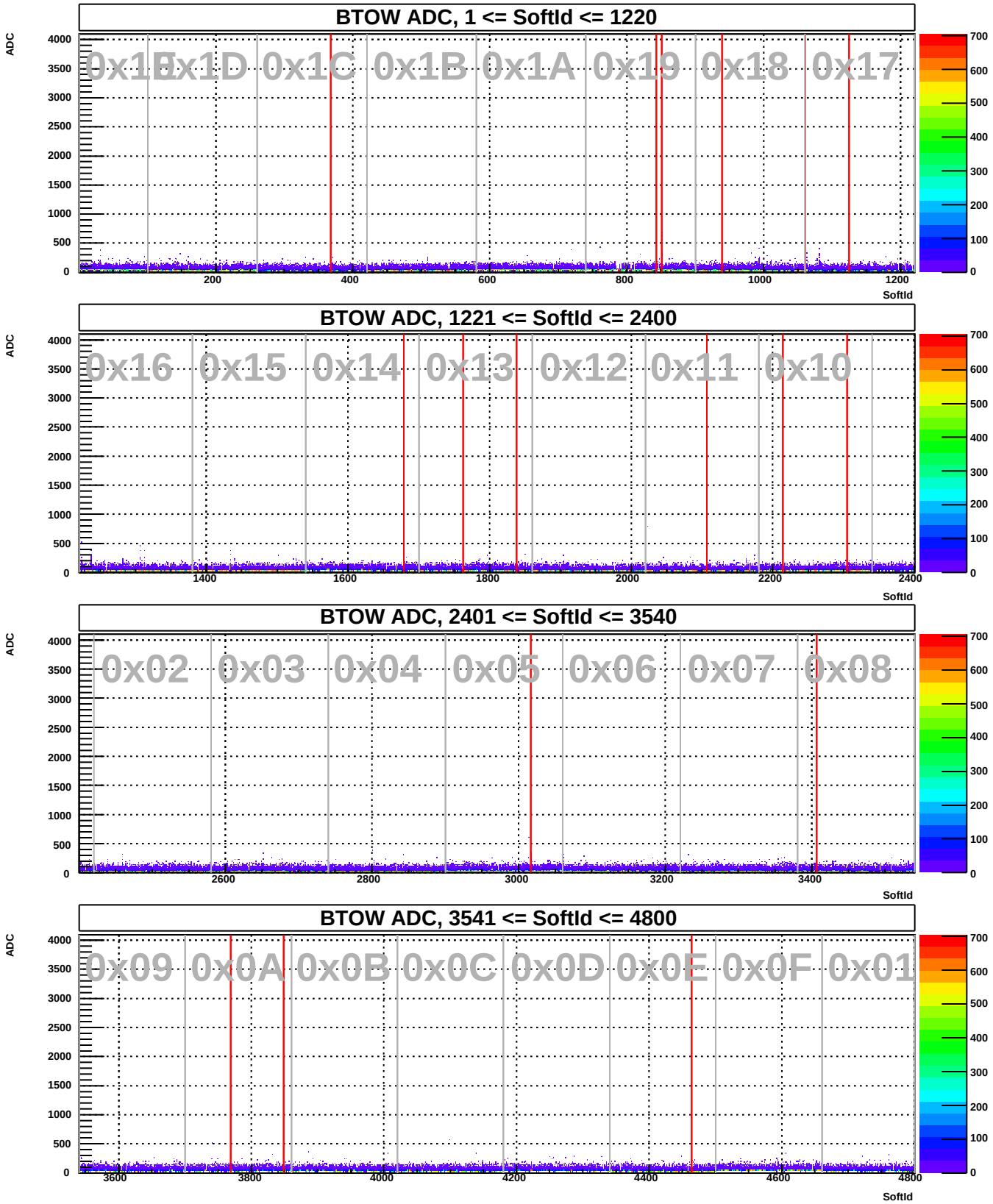


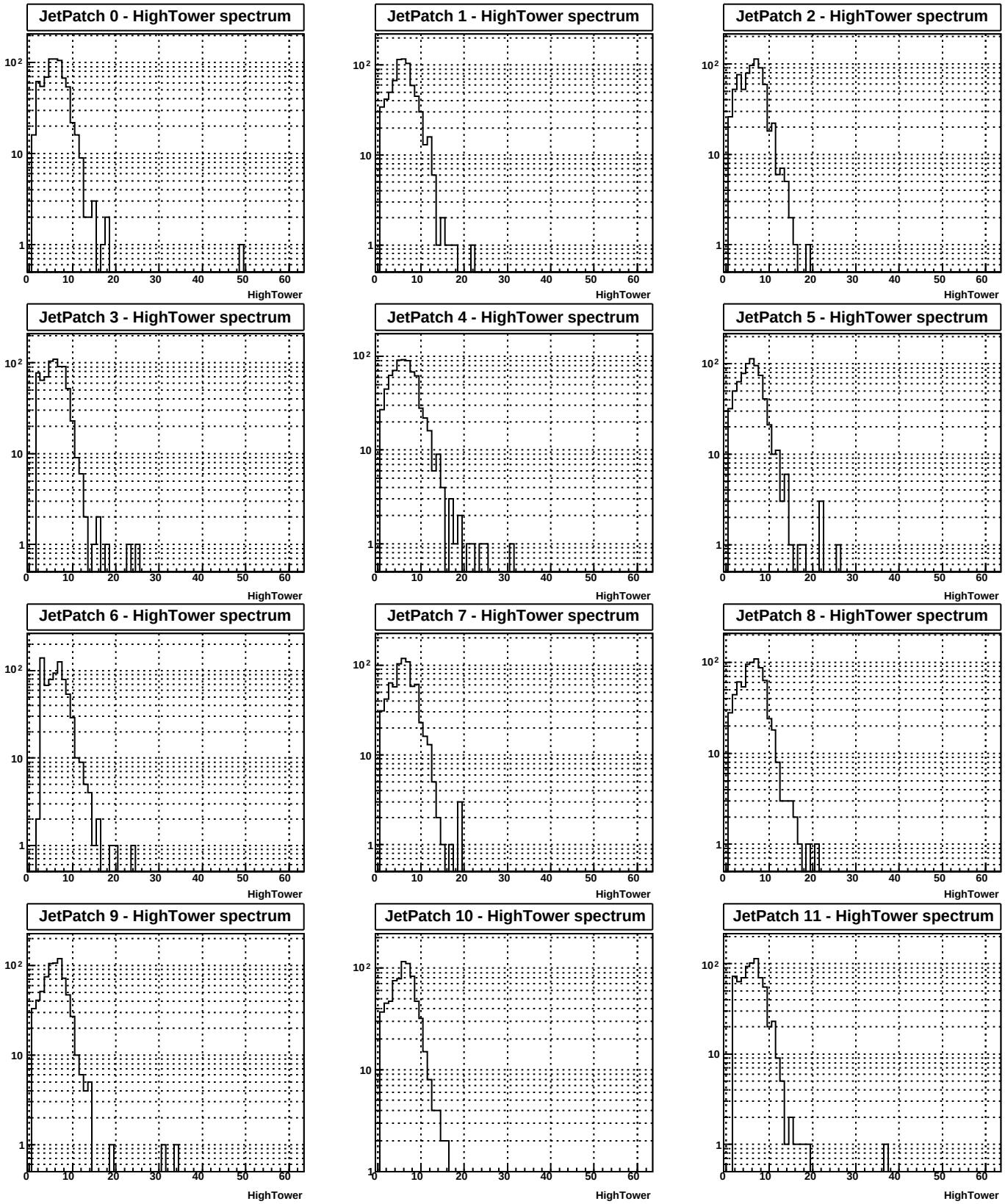



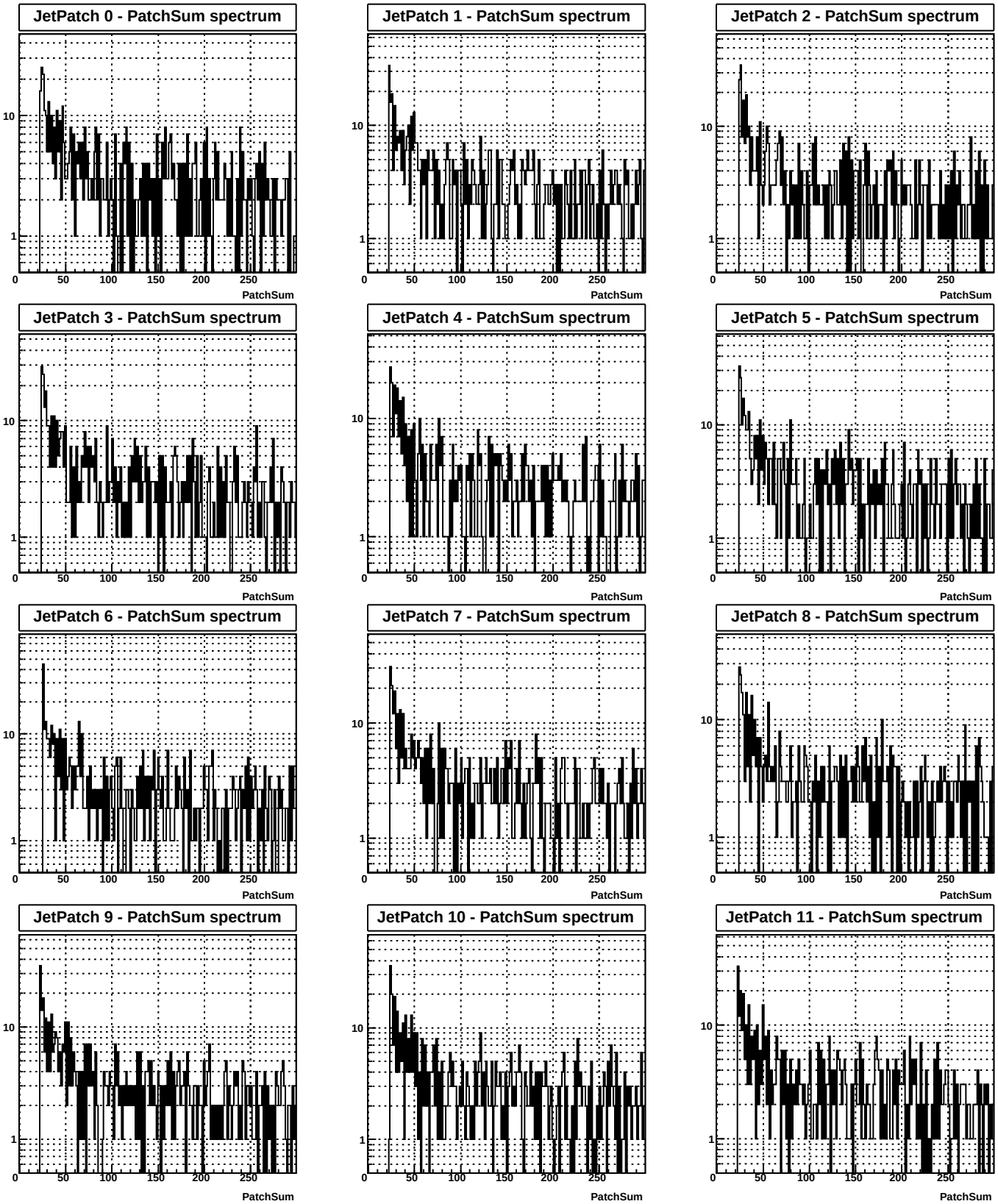

Mon May 16 00:13:59 2011



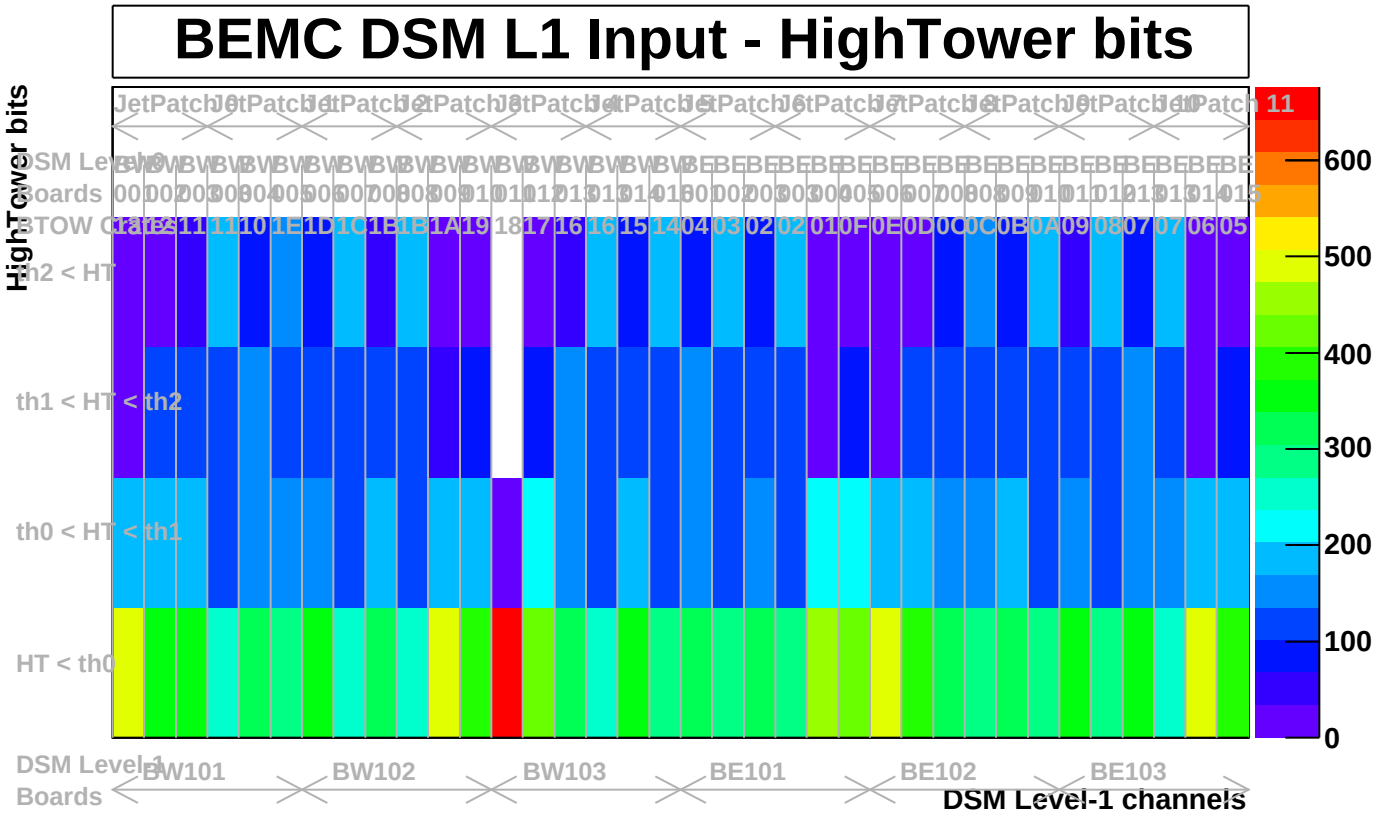

**Mon May 16 00:14:00 2011**

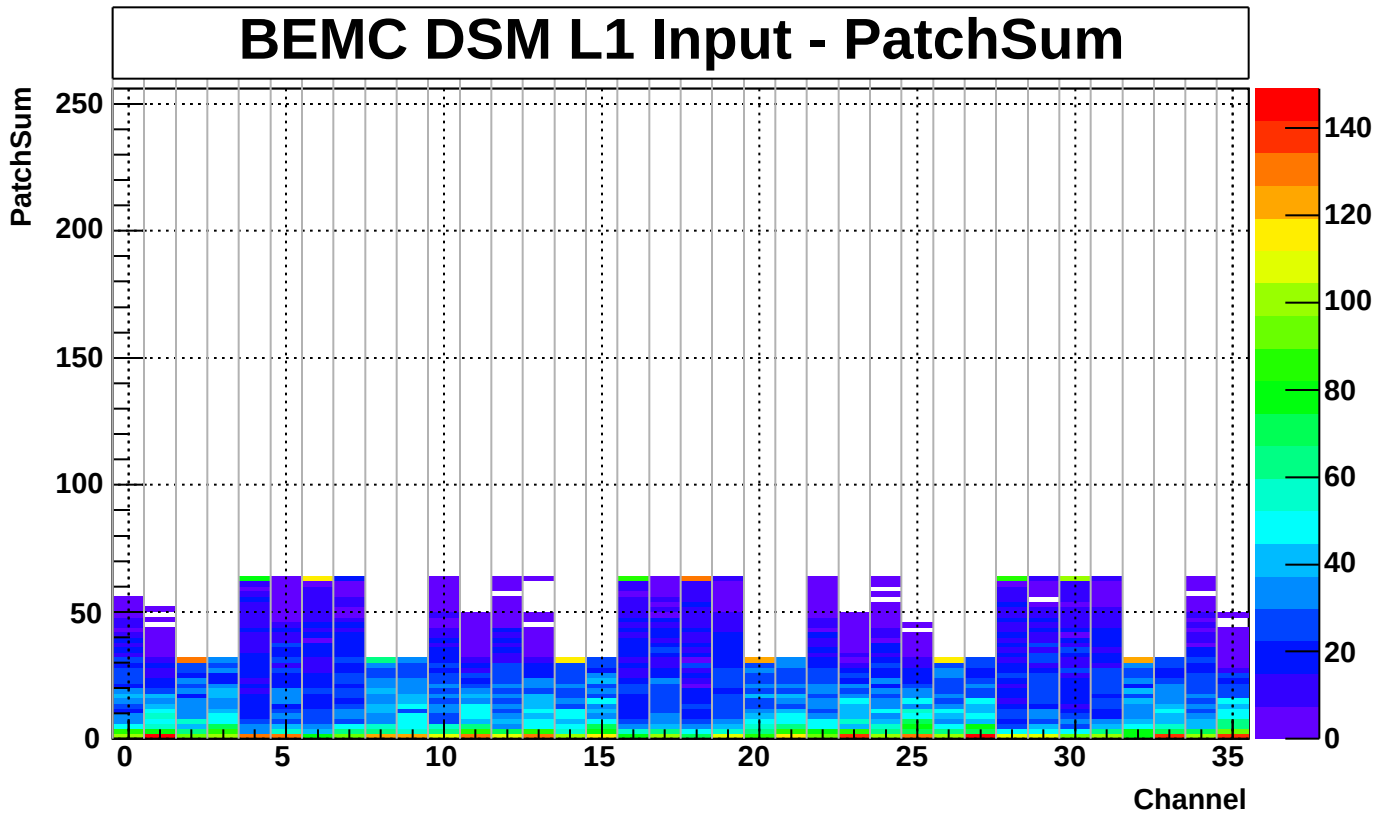



**Mon May 16 00:14:01 2011**

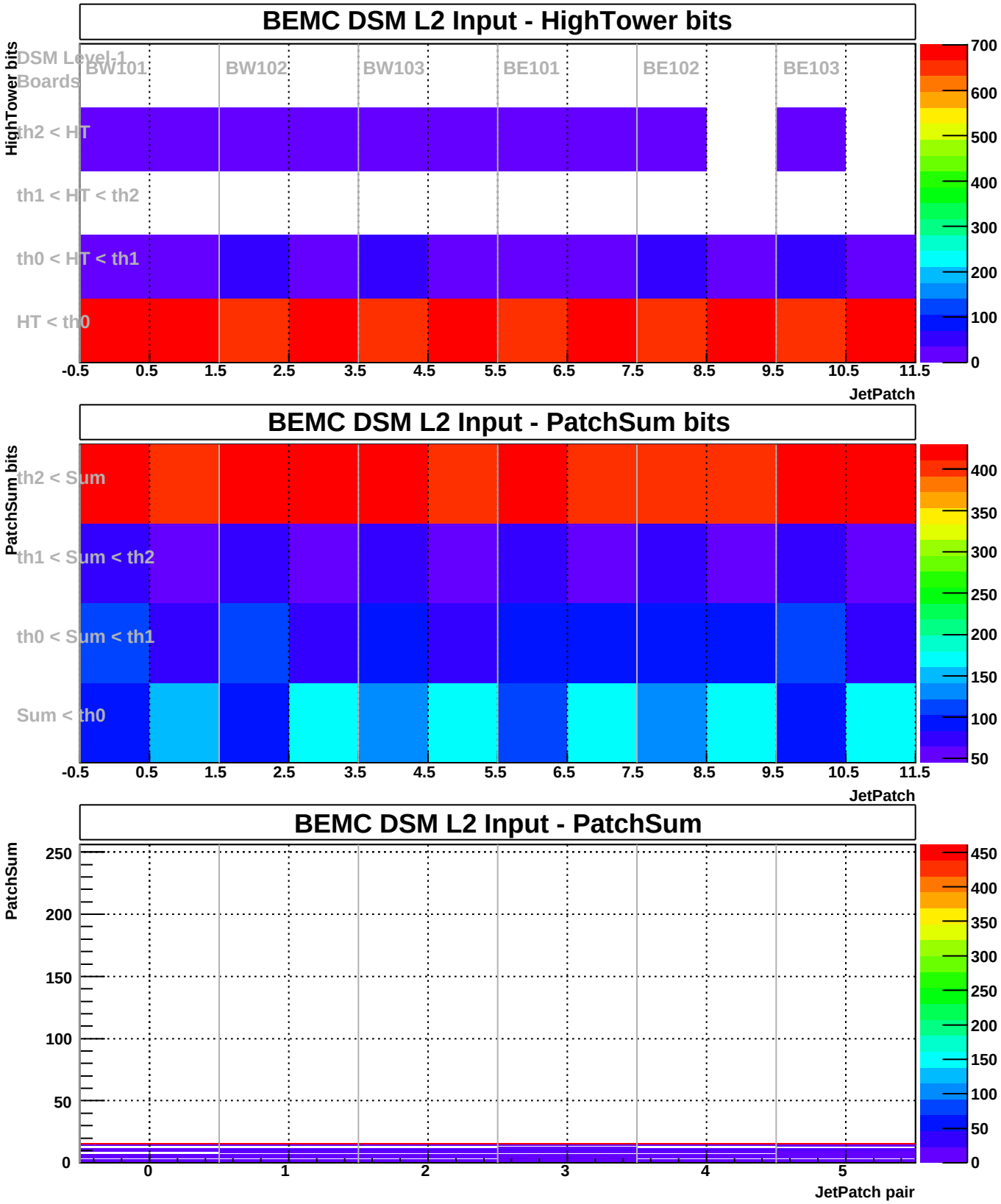



**Mon May 16 00:14:01 2011**

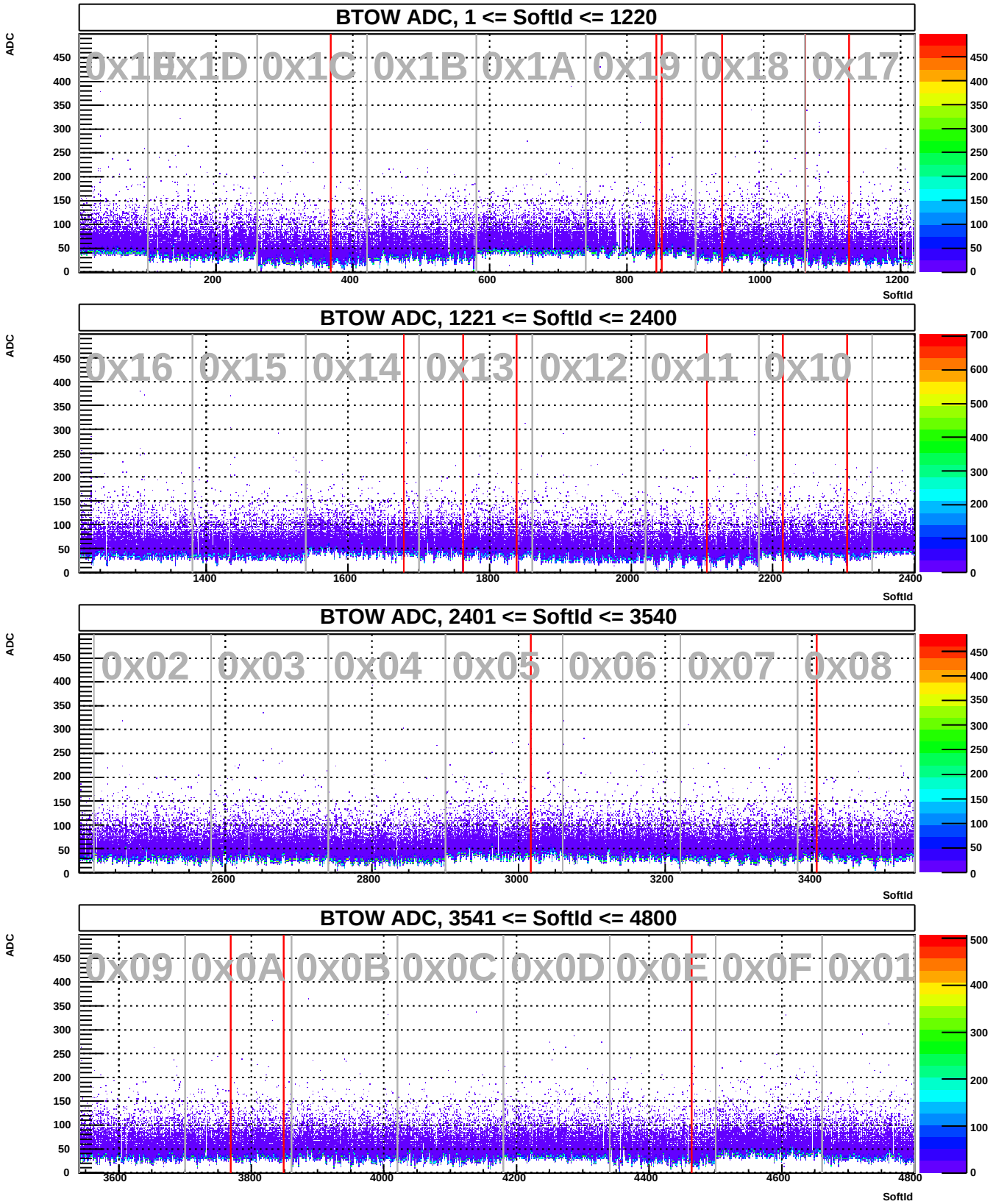


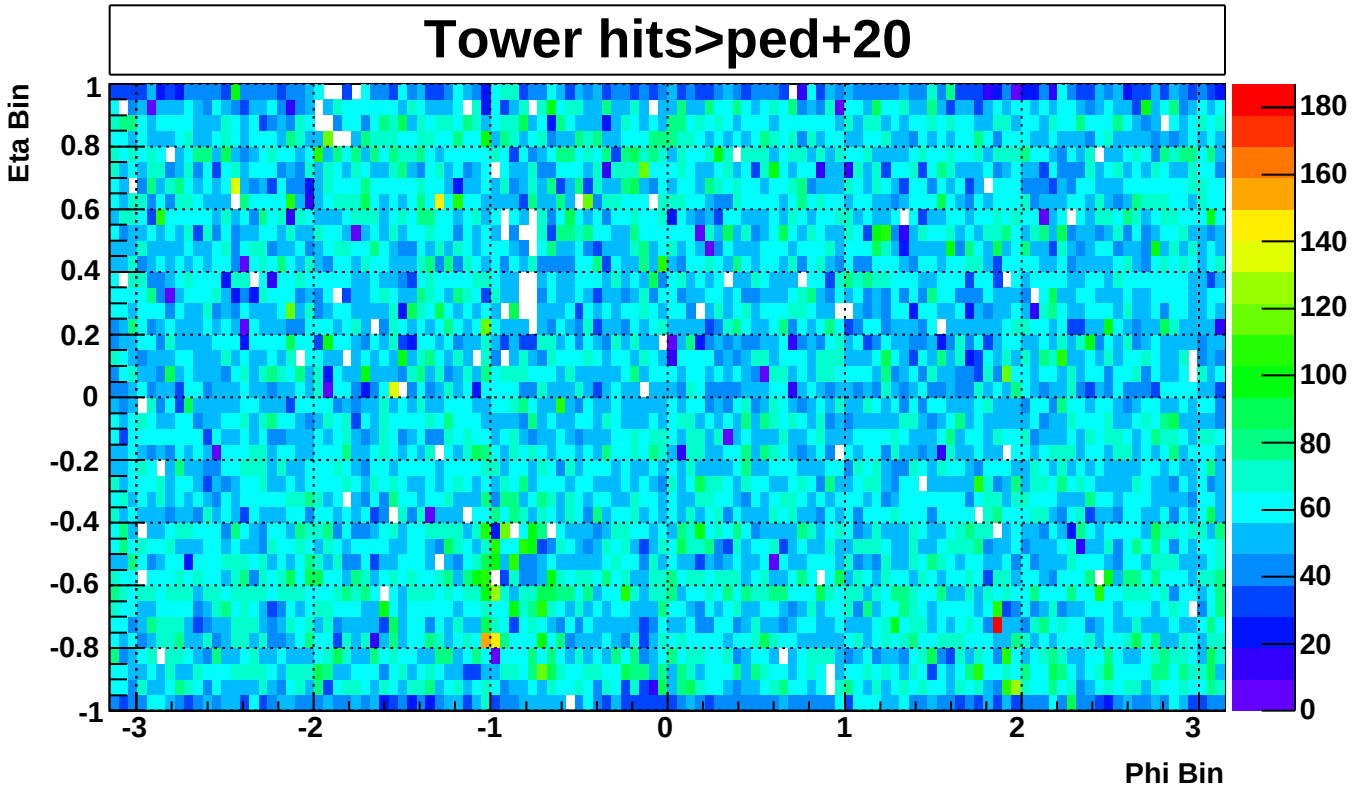

Mon May 16 00:14:01 2011

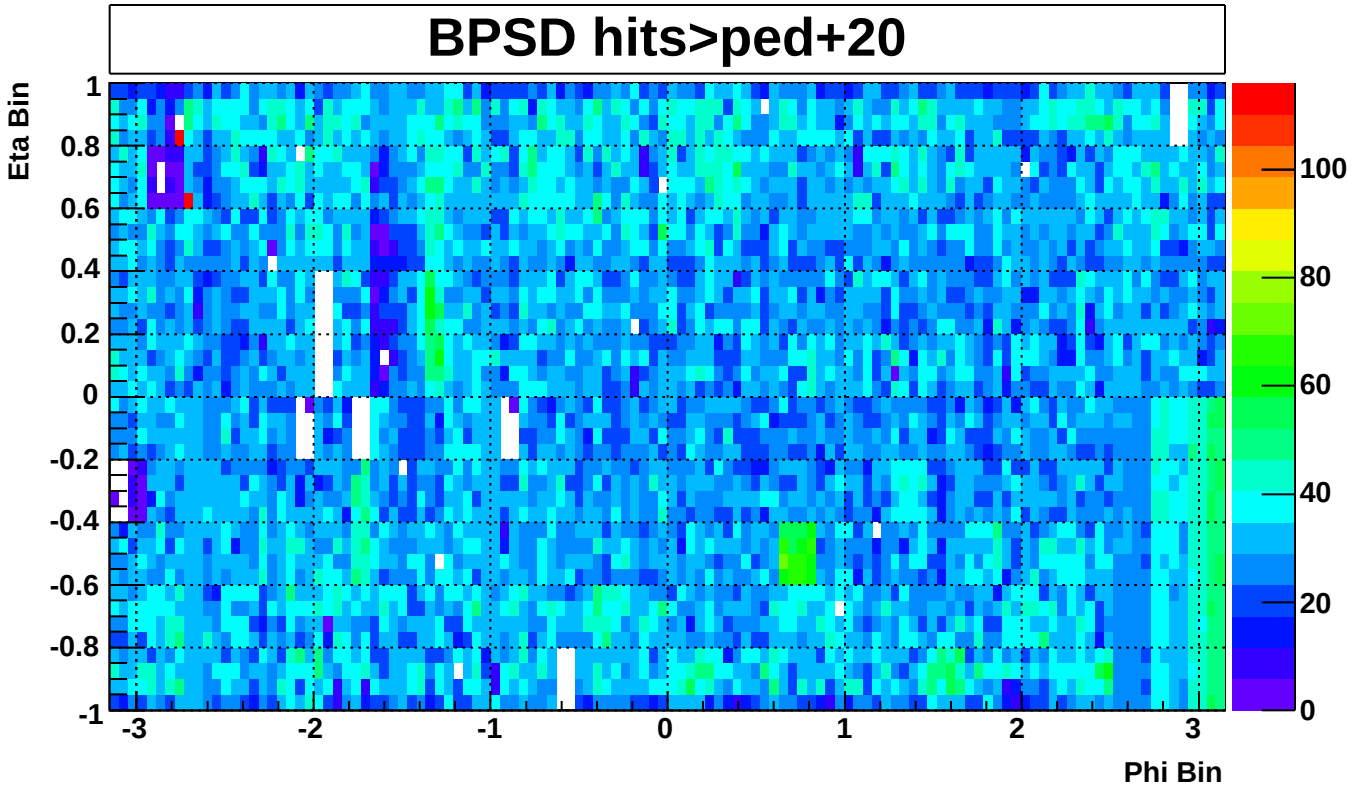



Mon May 16 00:14:01 2011

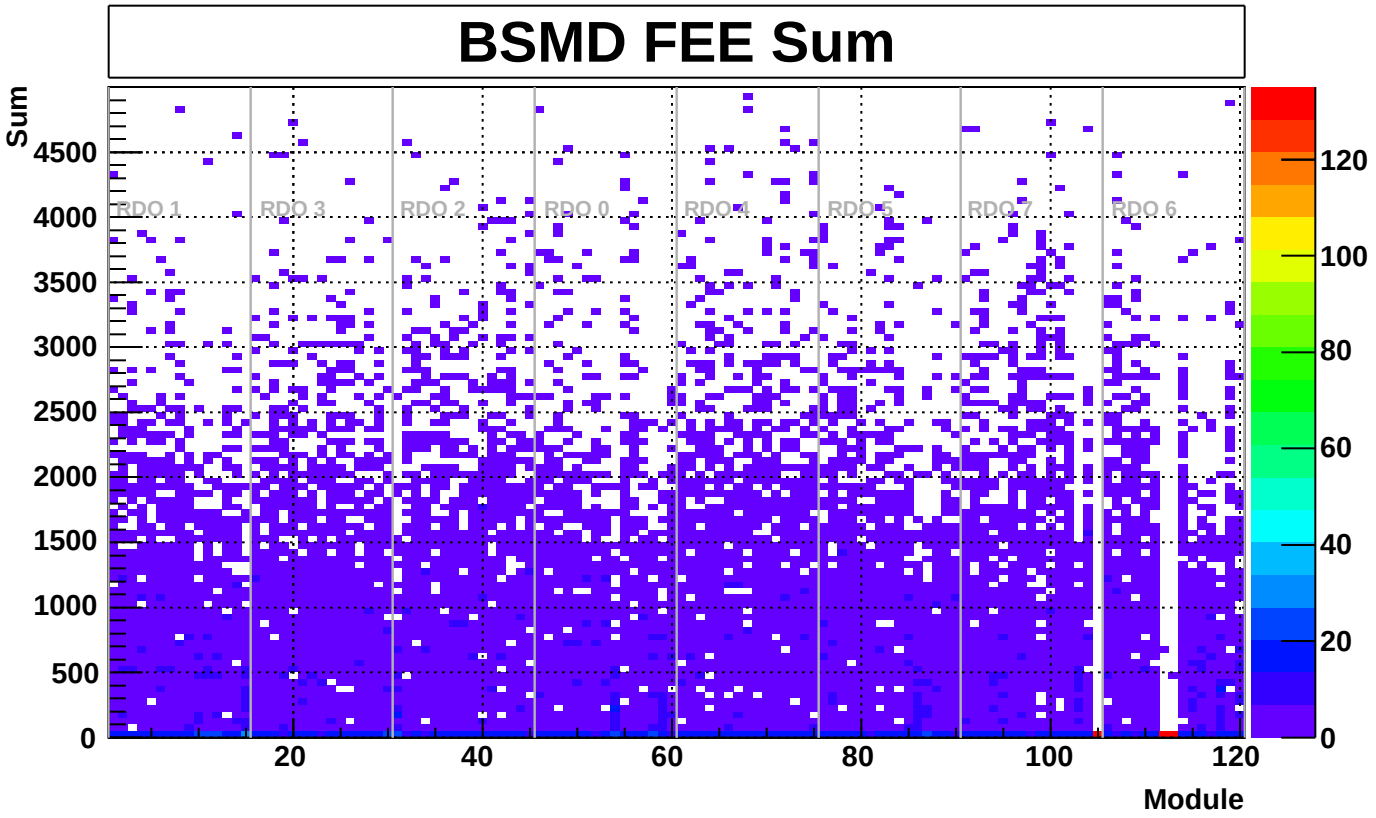


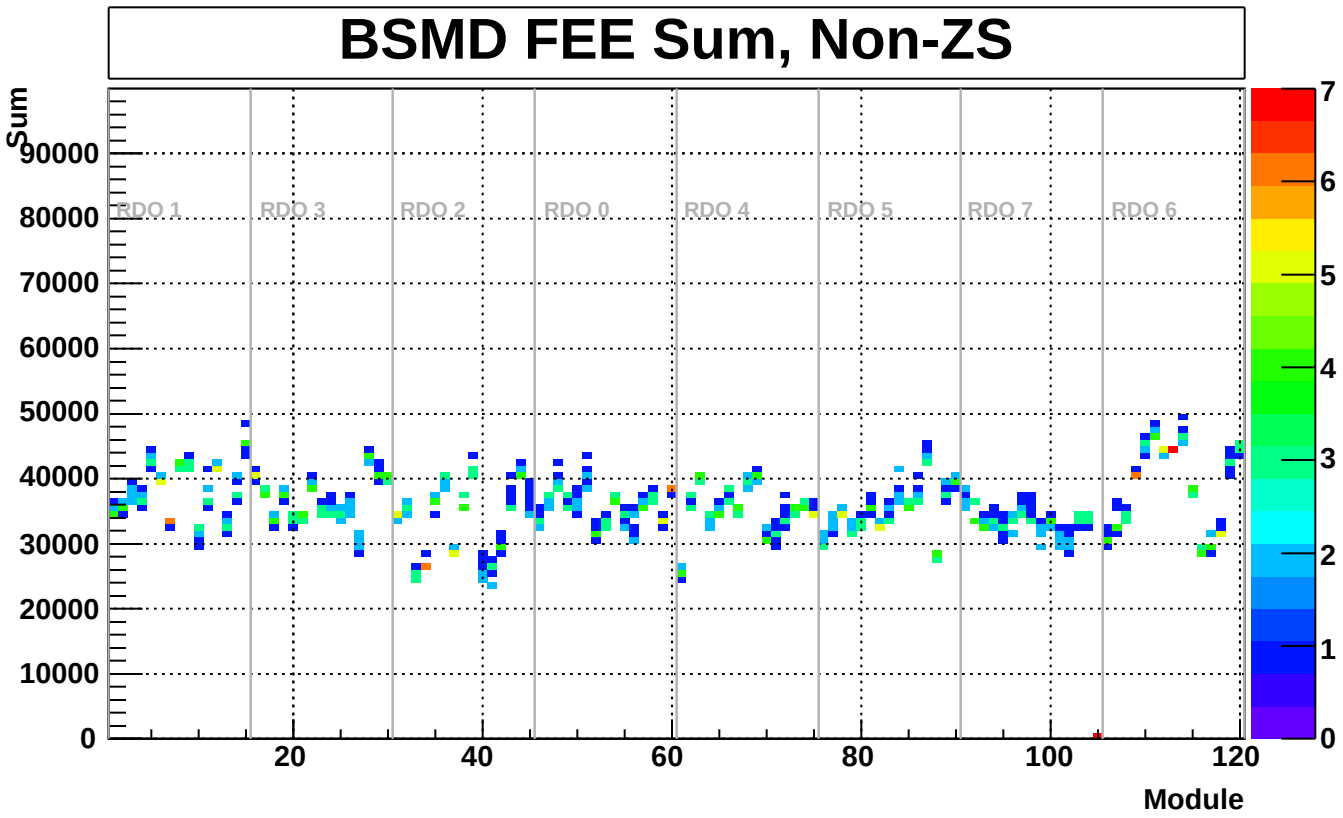

**Mon May 16 00:14:02 2011**



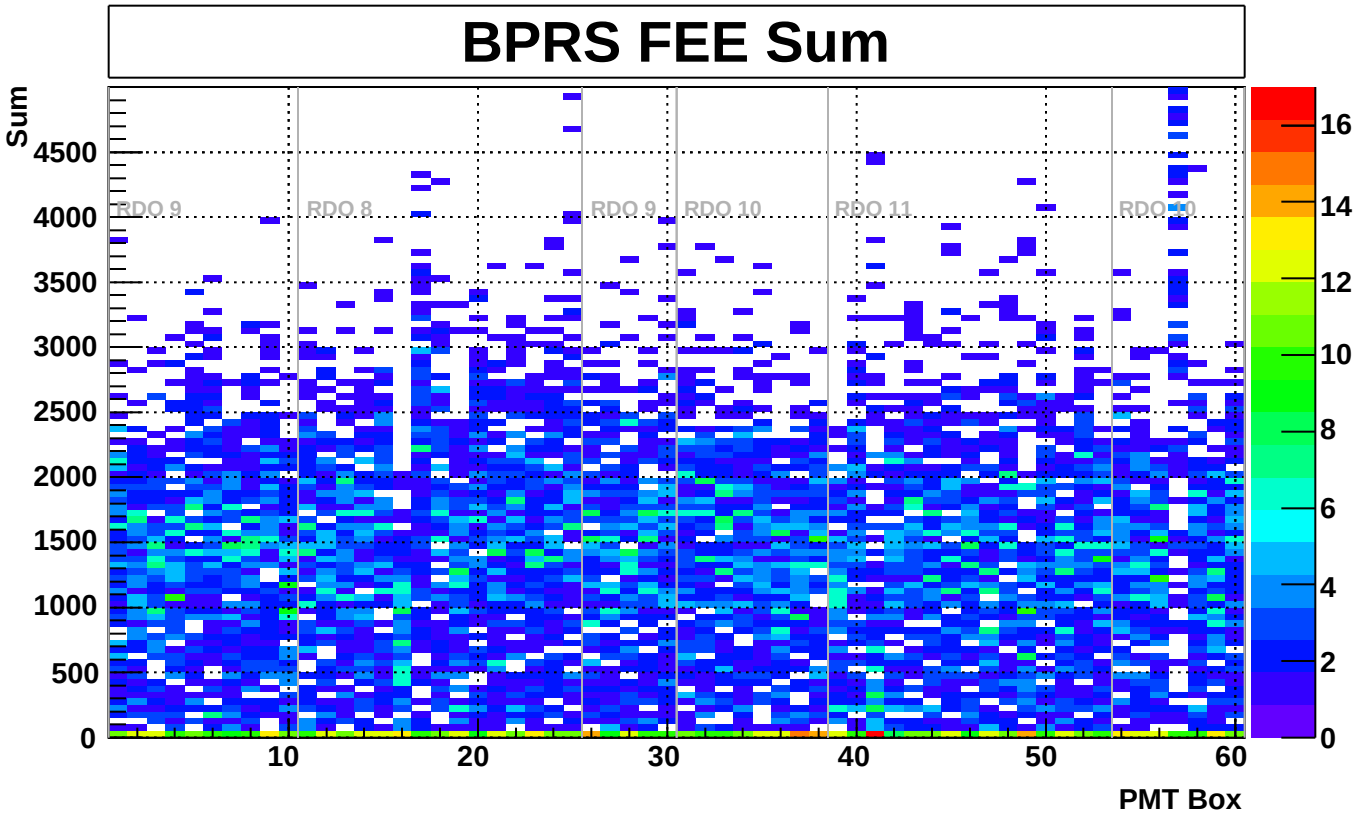



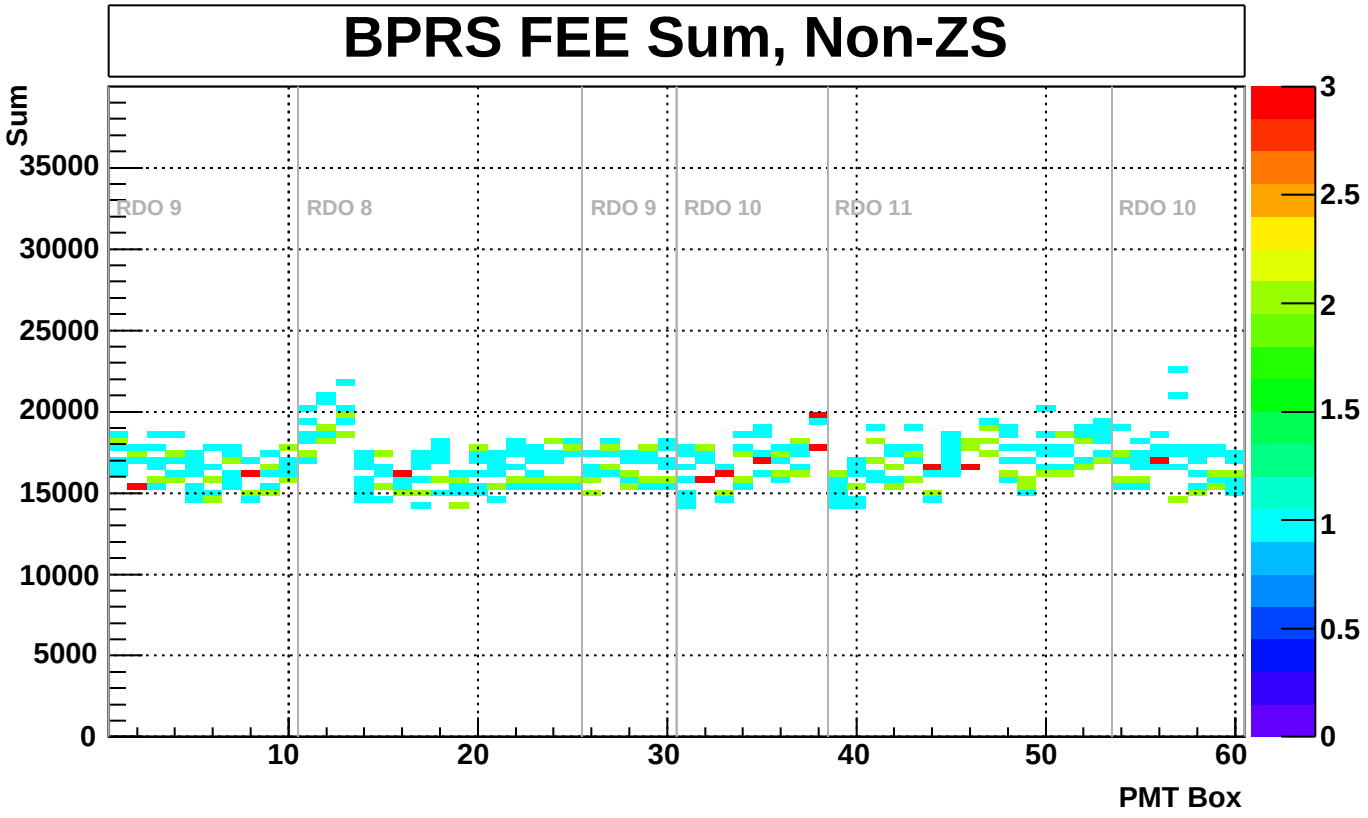

Mon May 16 00:14:03 2011



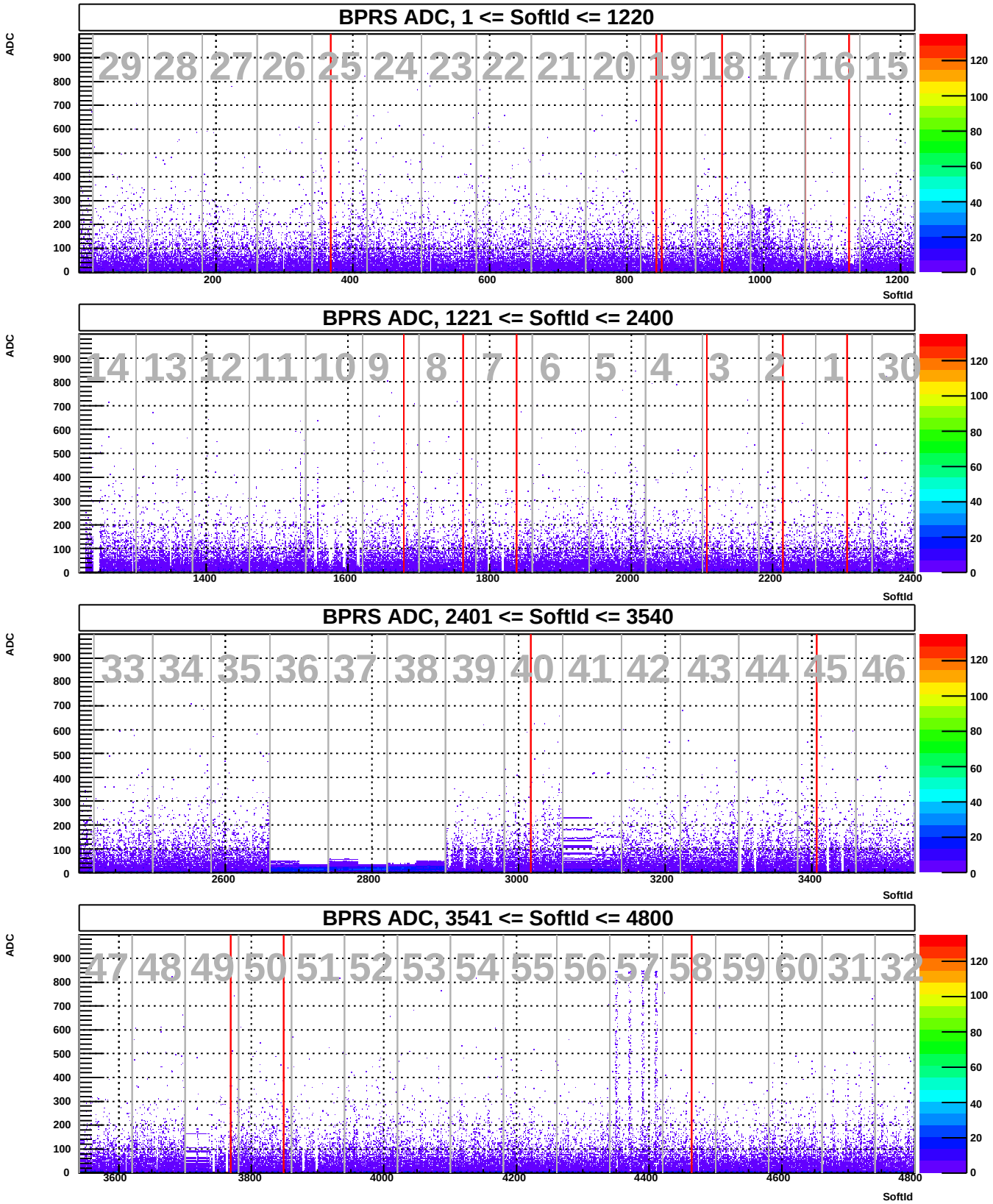




Mon May 16 00:14:05 2011

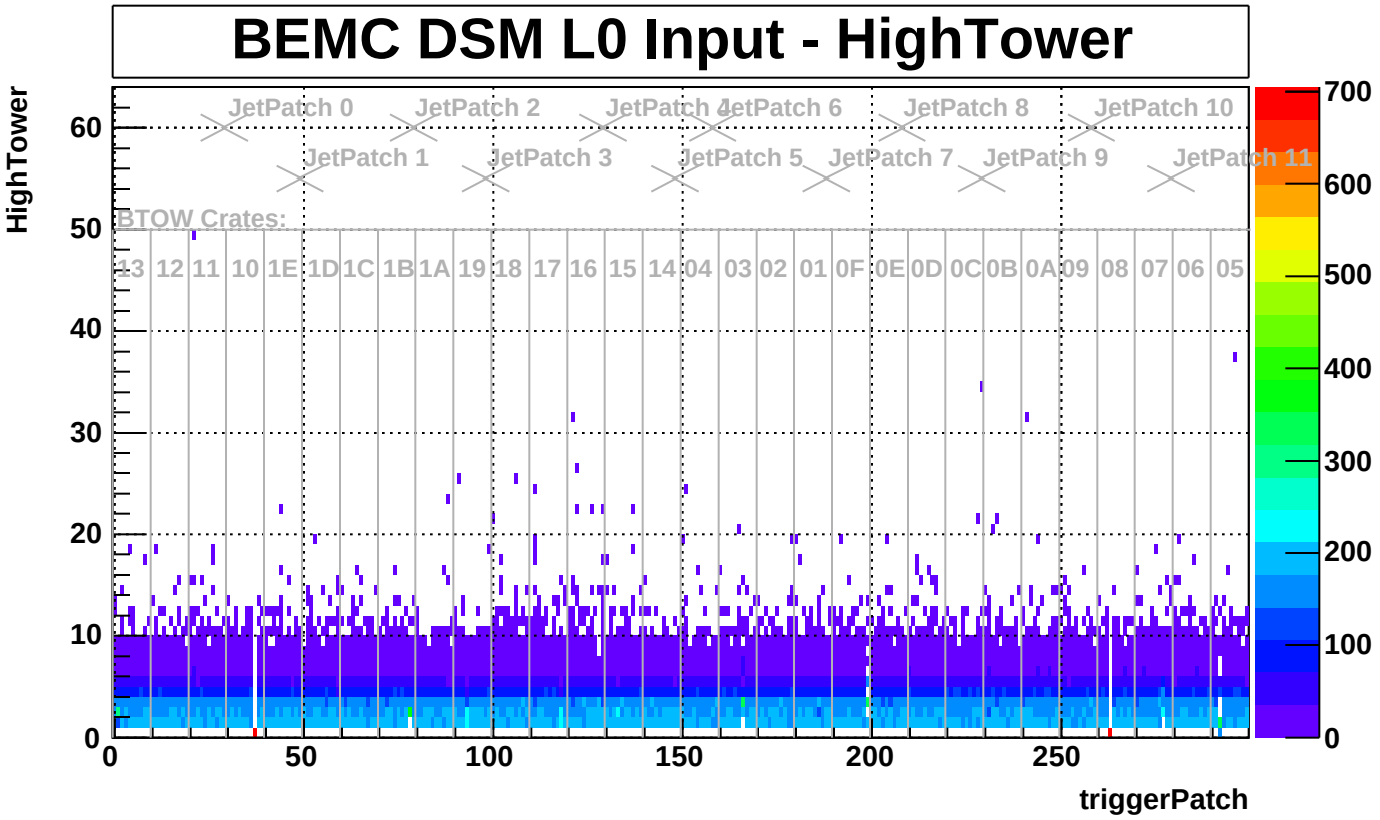


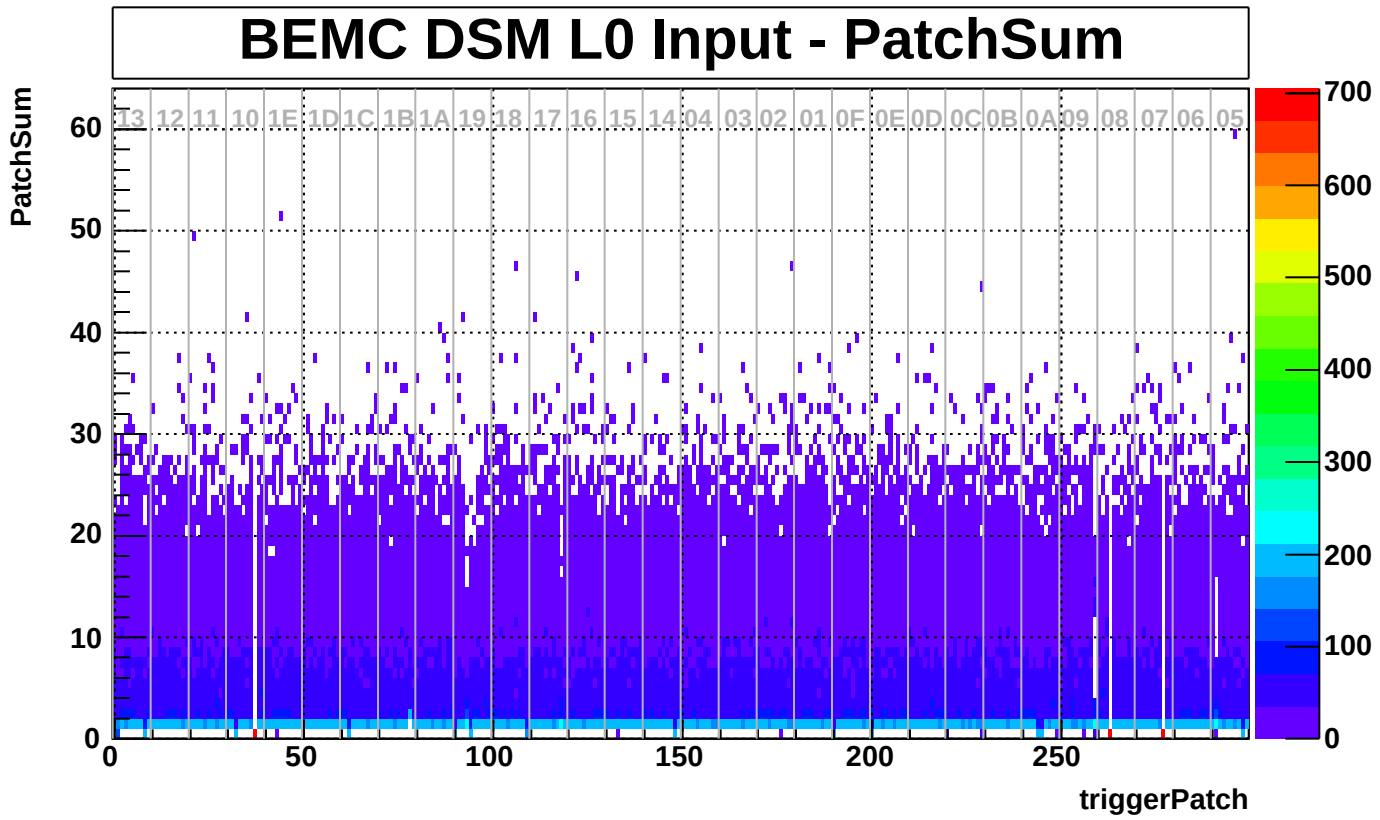




Mon May 16 00:14:06 2011

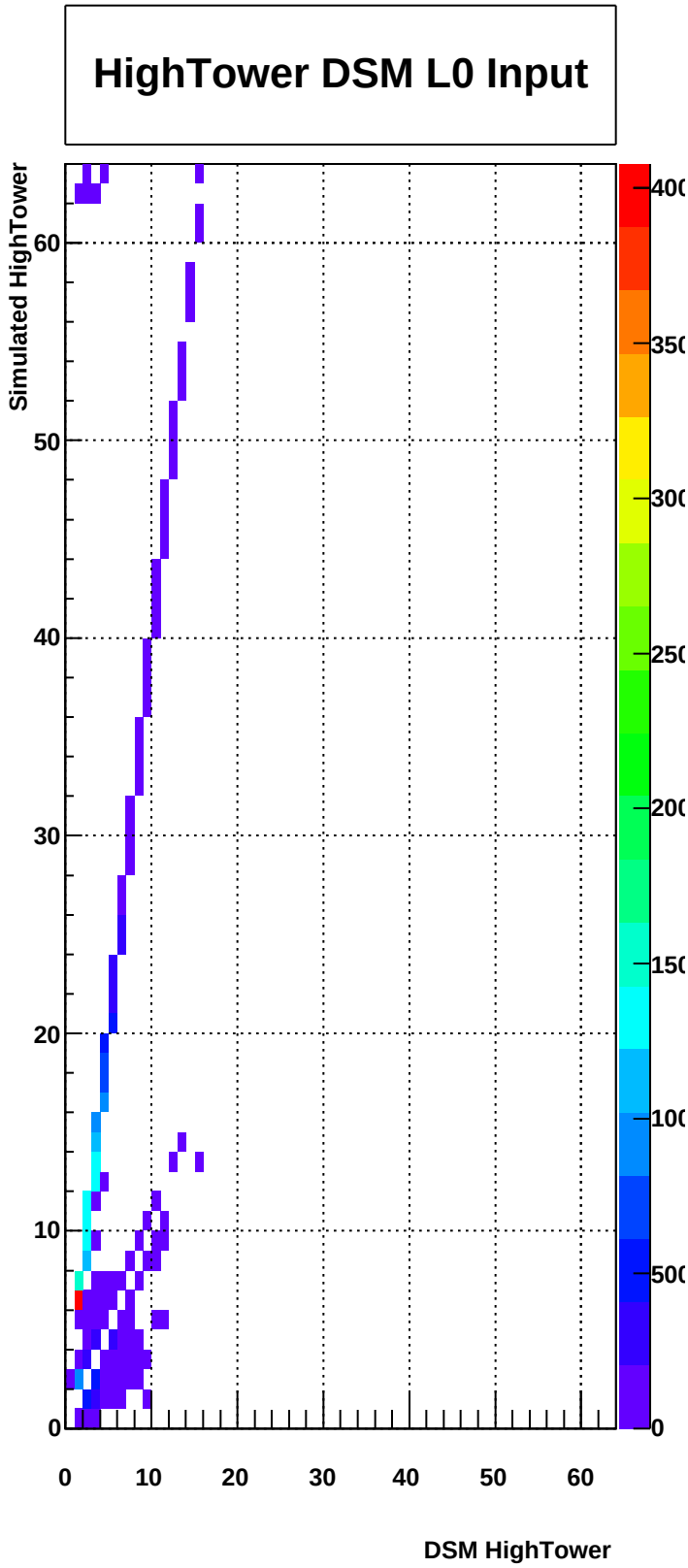


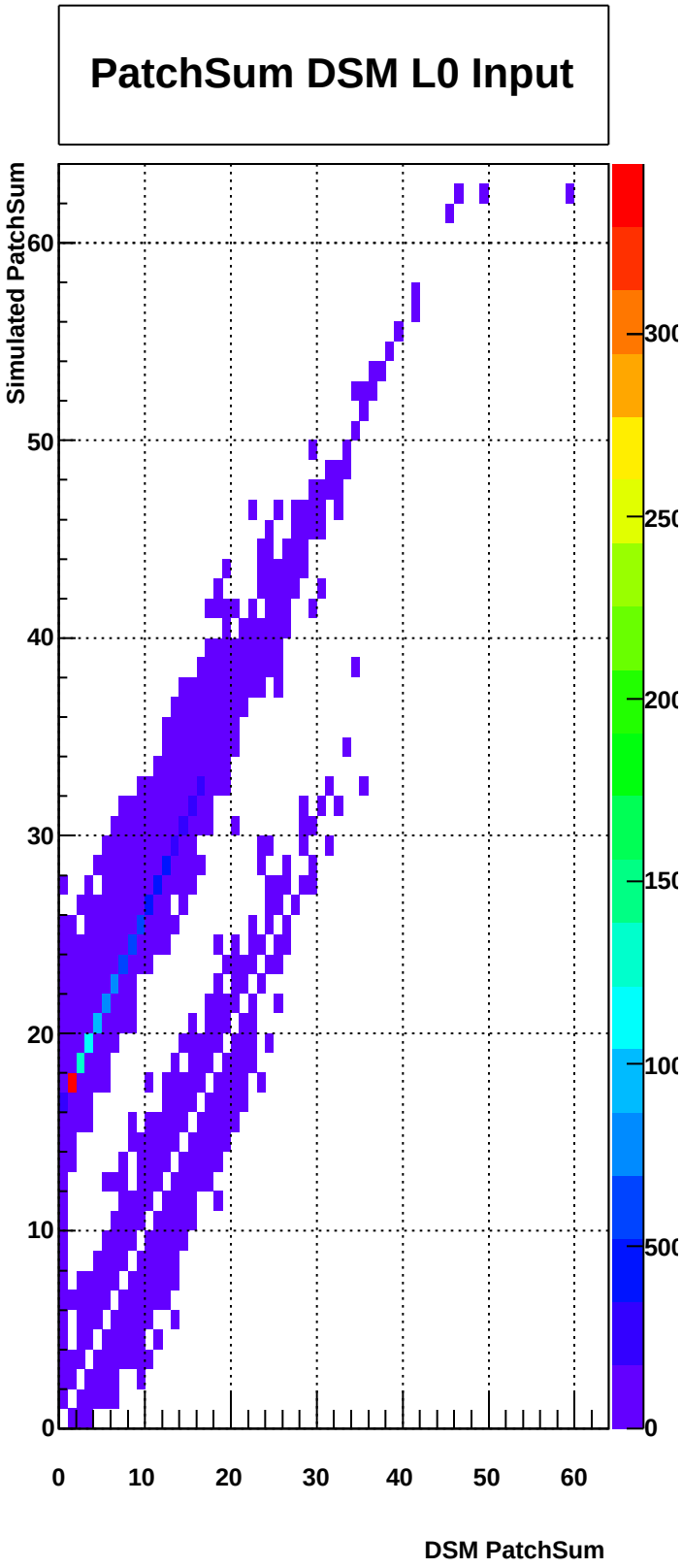

**Mon May 16 00:14:06 2011**



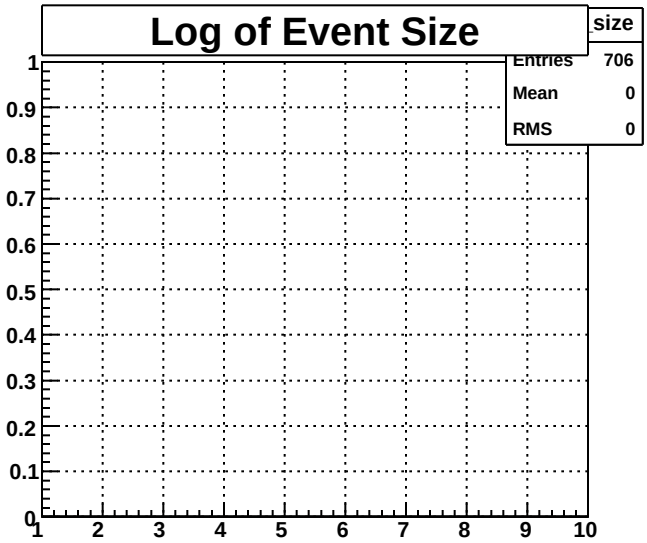



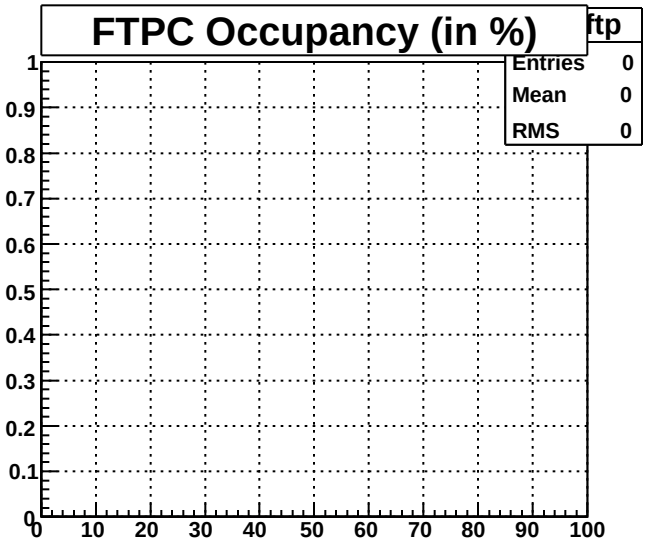

Mon May 16 00:14:07 2011

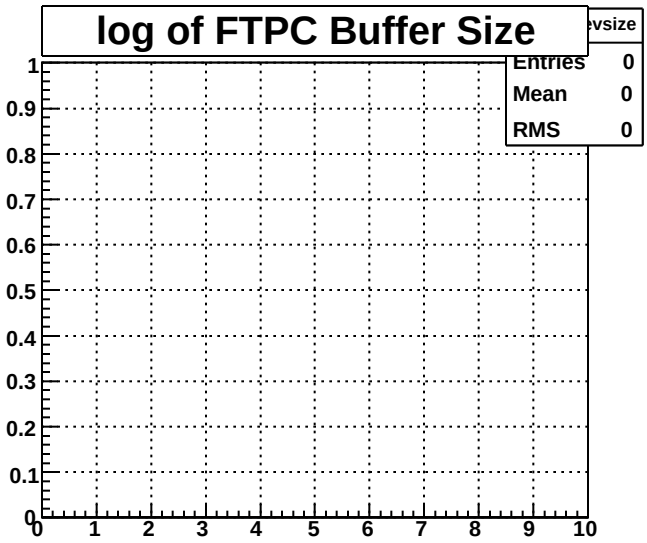


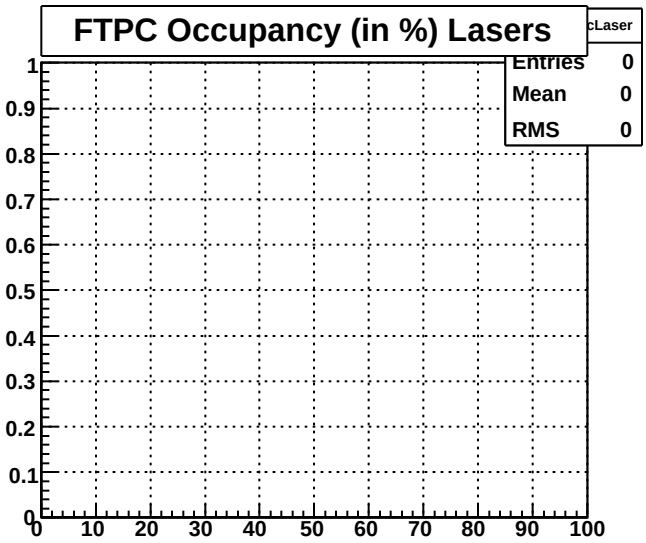



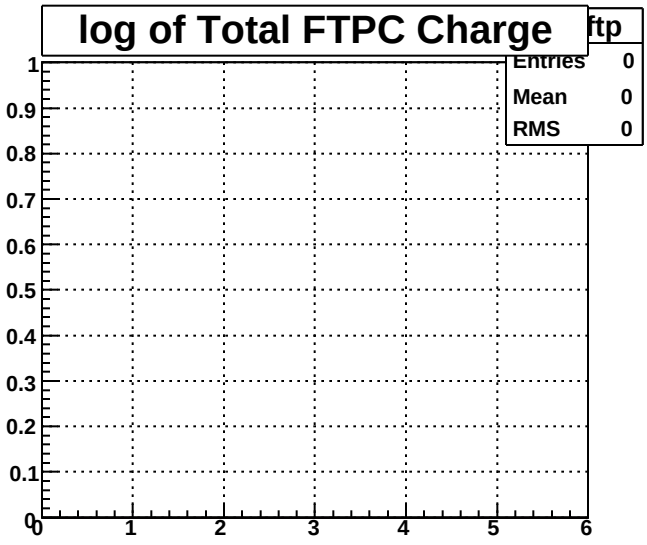

Mon May 16 00:14:07 2011

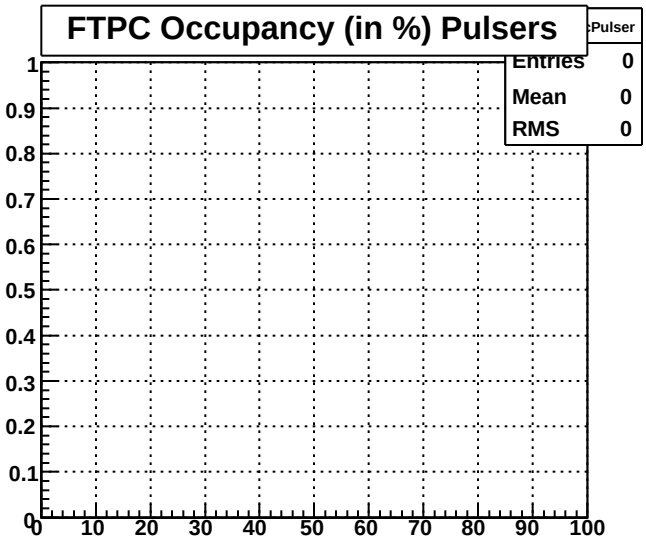

Log of Event Size
size
Entries 706
Mean 0
RMS 0

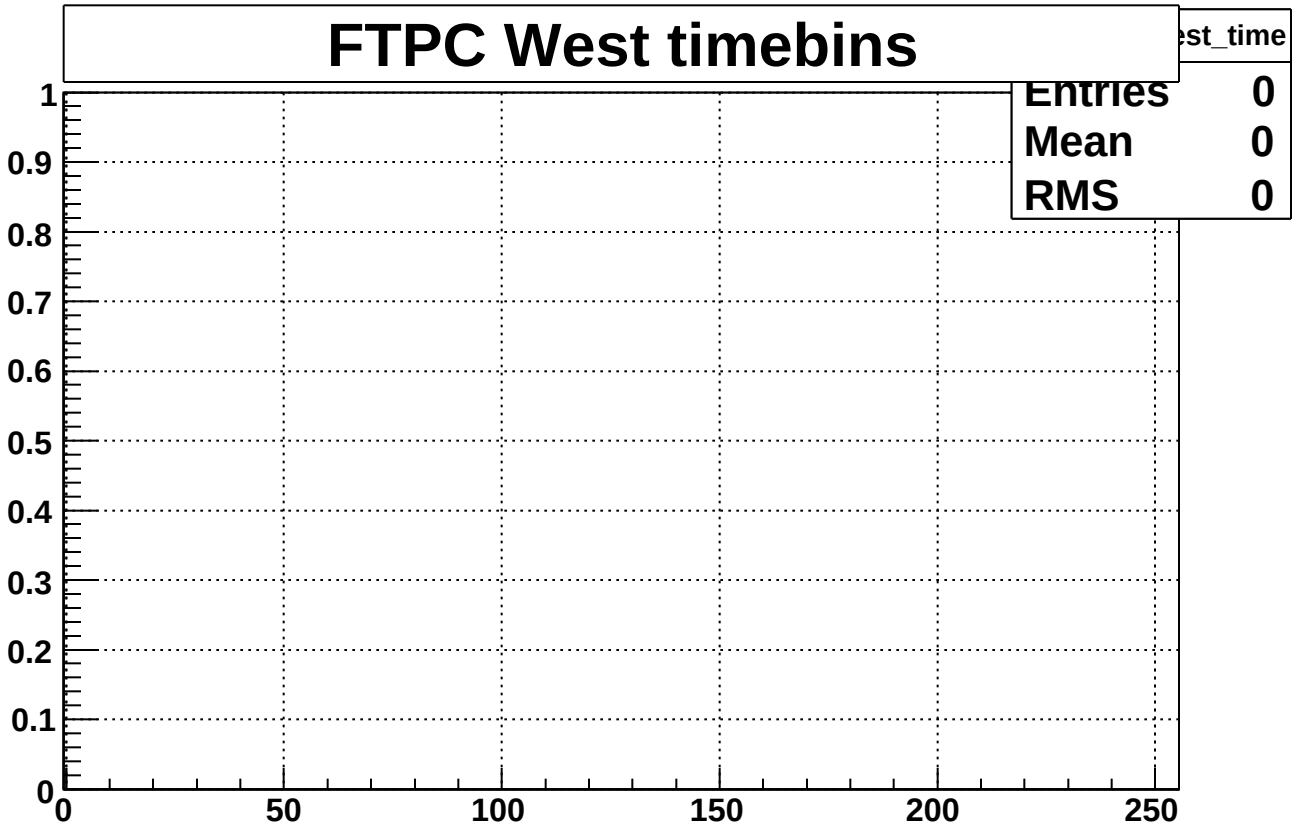

FTPC Occupancy (in %)
ftp
Entries 0
Mean 0
RMS 0

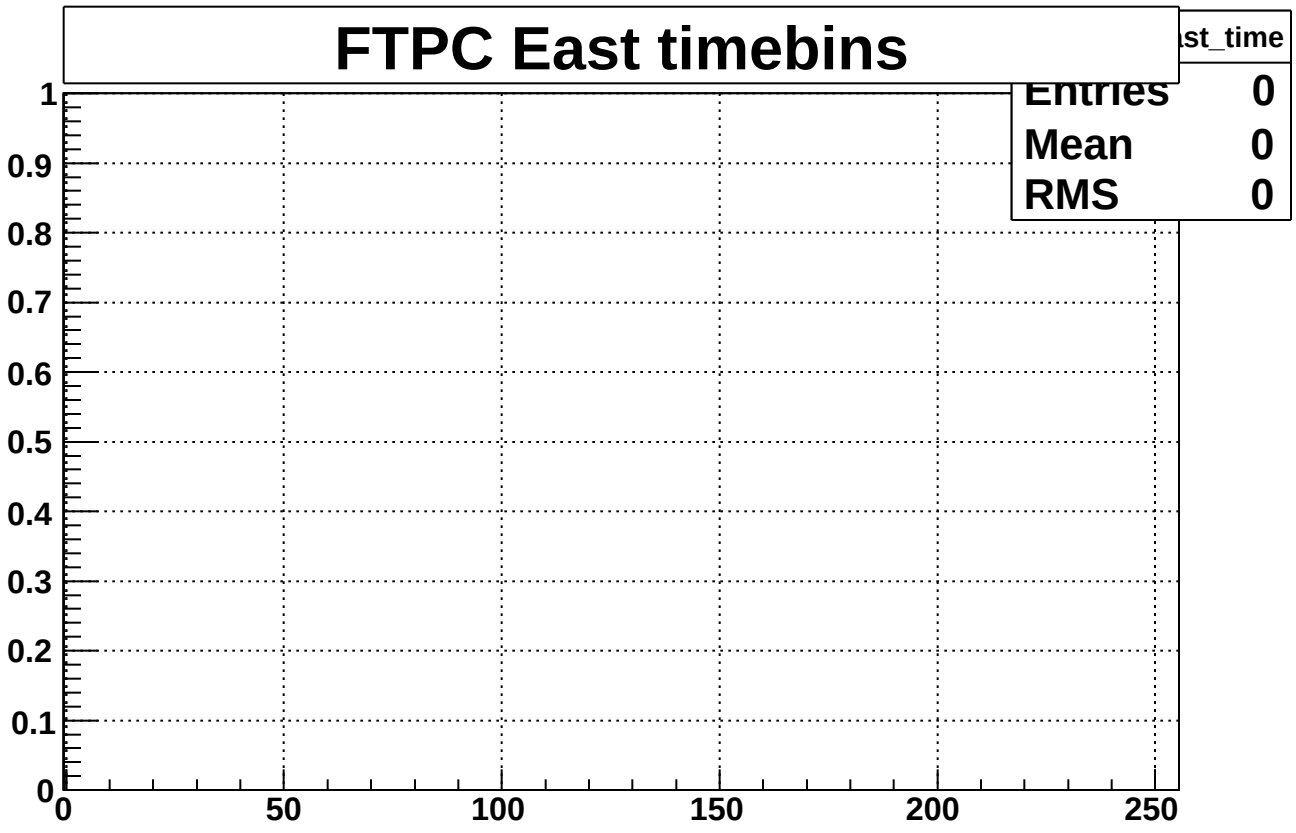

log of FTPC Buffer Size
evsize
Entries 0
Mean 0
RMS 0

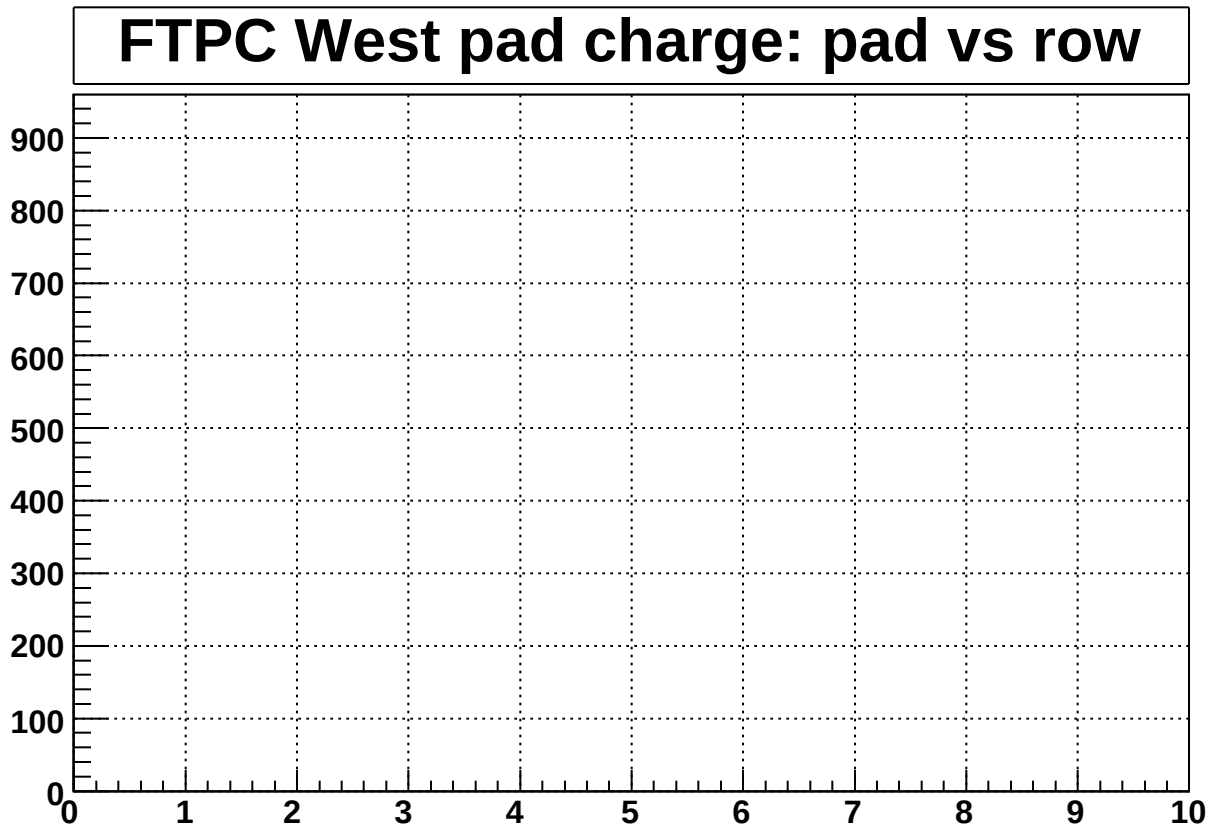

FTPC Occupancy (in %) Lasers
cLaser
Entries 0
Mean 0
RMS 0

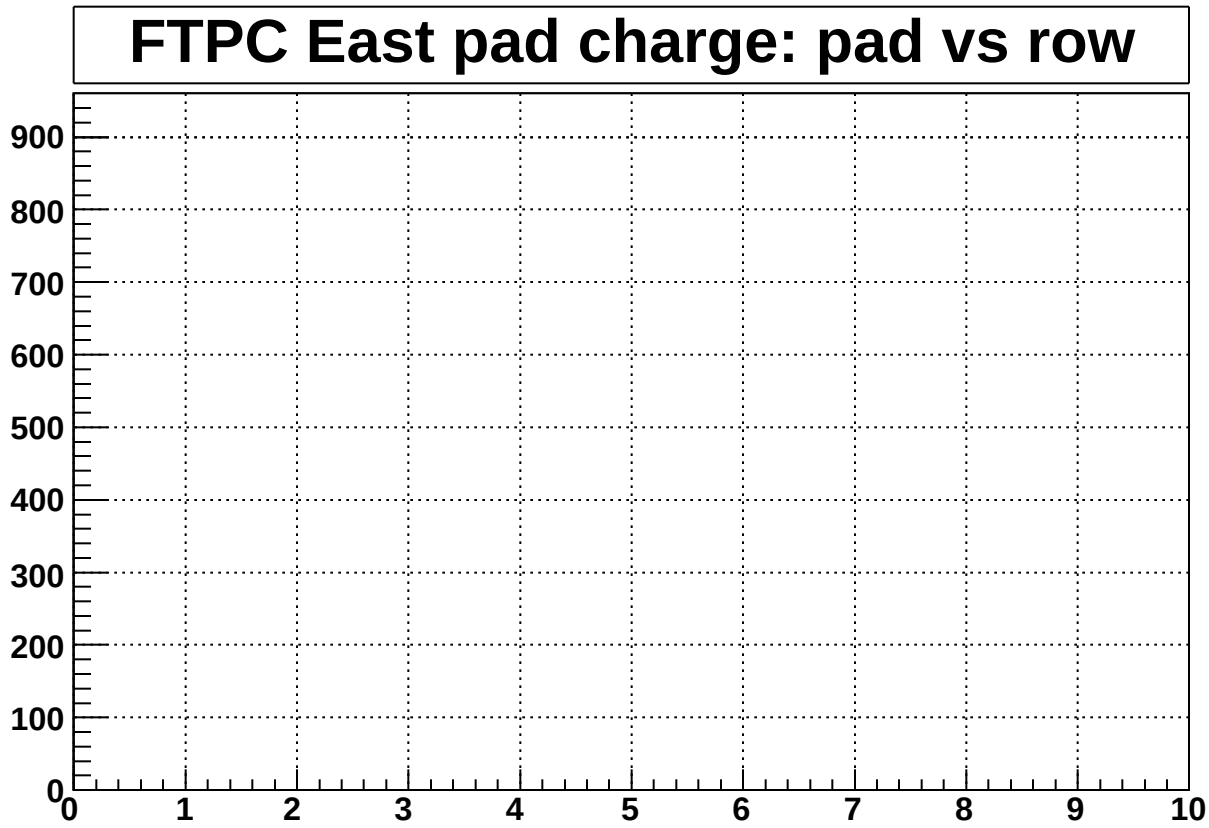

log of Total FTPC Charge
ftp
Entries 0
Mean 0
RMS 0

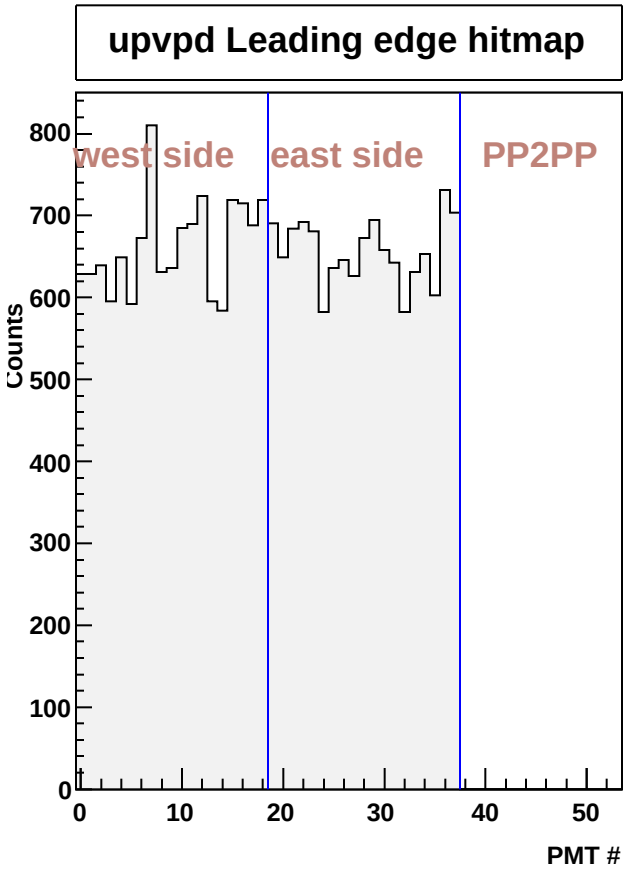

FTPC Occupancy (in %) Pulsers
cPulser
Entries 0
Mean 0
RMS 0

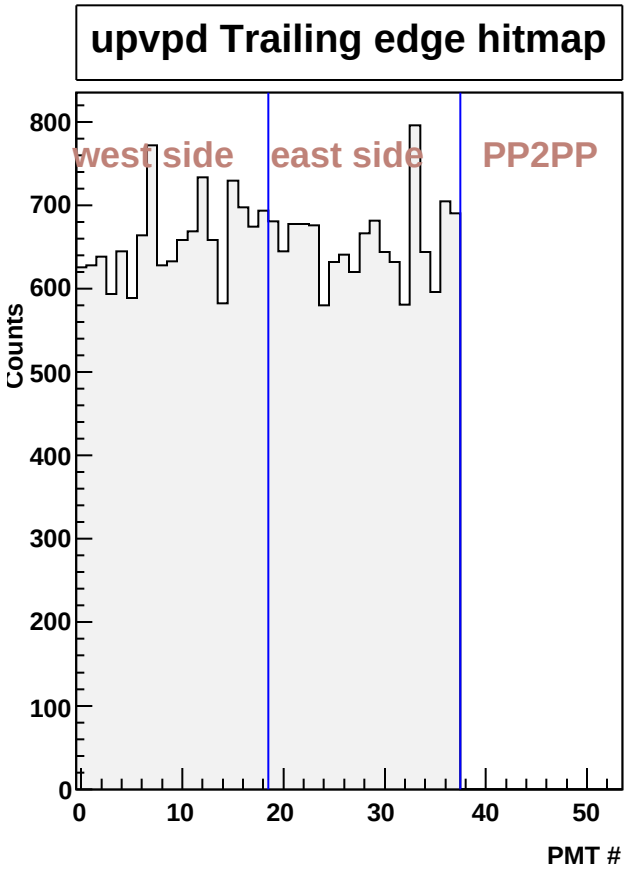

FTPC West timebins
est_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

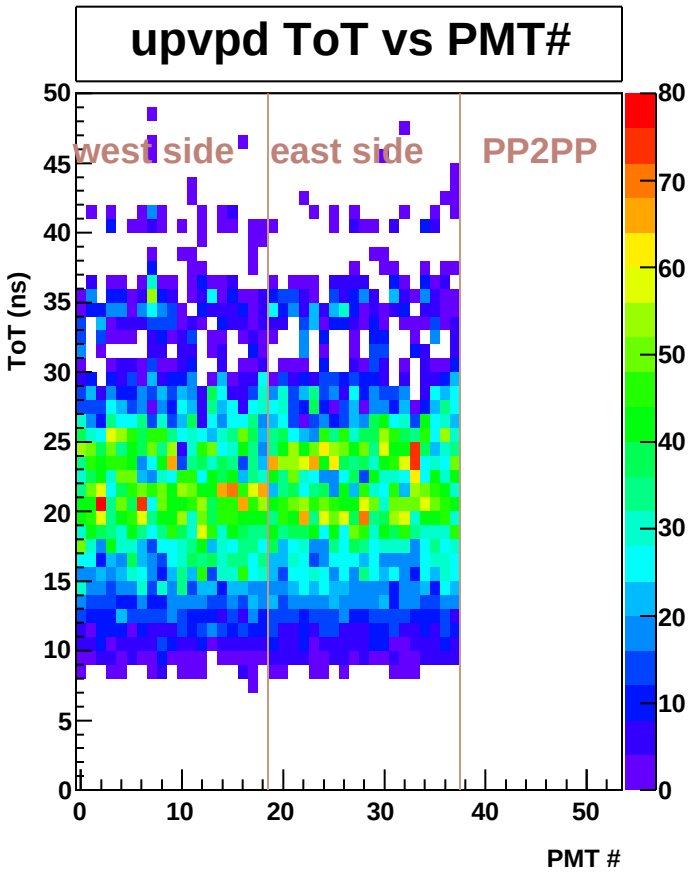

FTPC East timebins
st_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

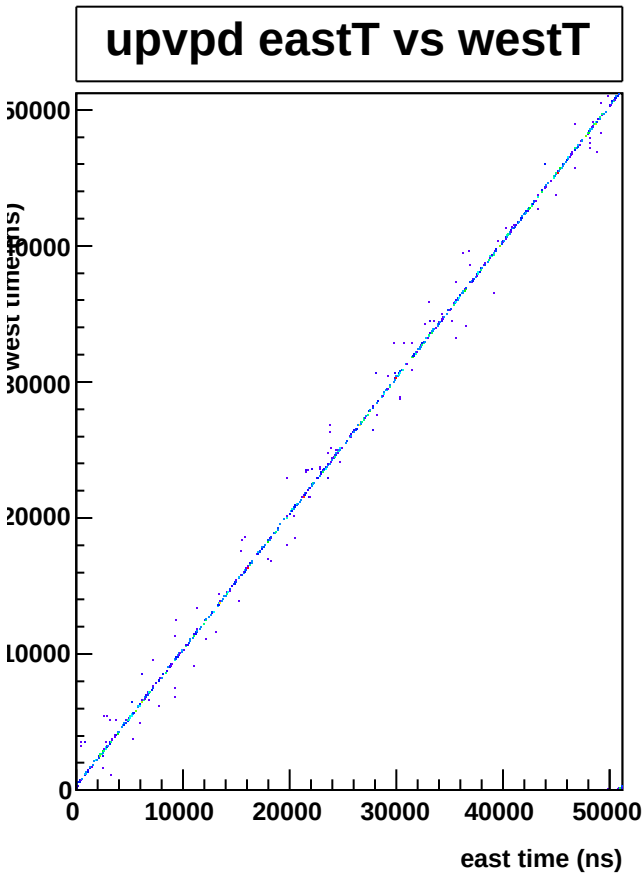

FTPC West pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

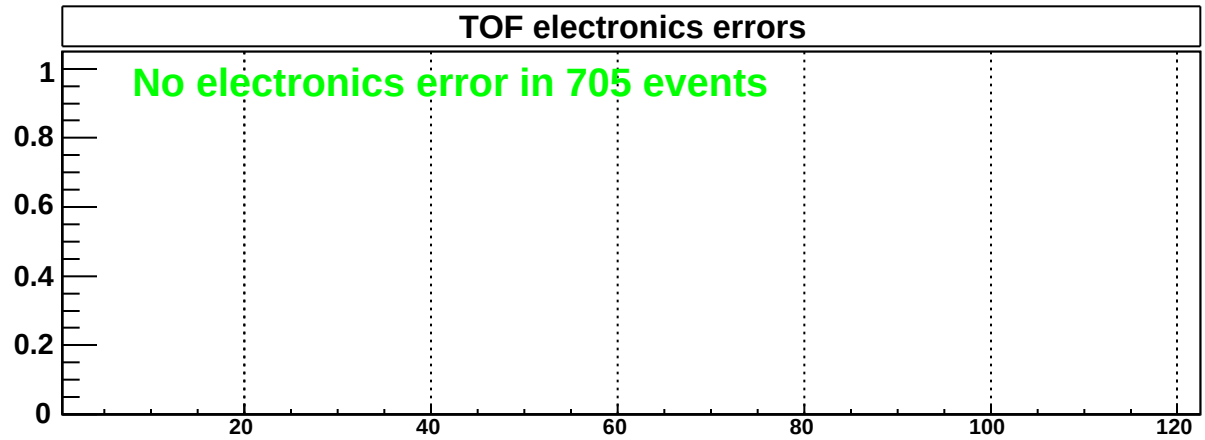

FTPC East pad charge: pad vs row
900
800
700
600
500
400
300
200
100
0
0
1
2
3
4
5
6
7
8
9
10

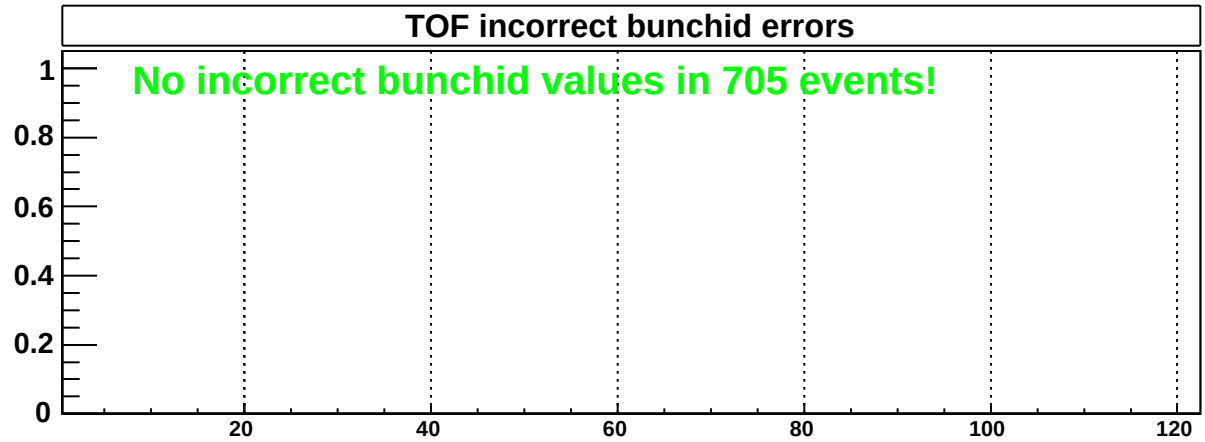

upvpd Leading edge hitmap
west side
east side
PP2PP
Counts
PMT #

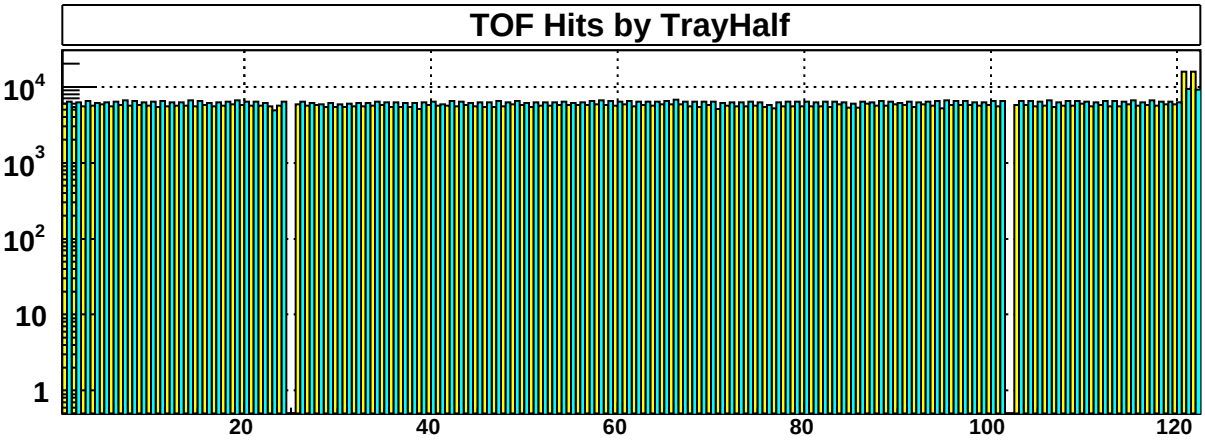

upvpd Trailing edge hitmap
west side
east side
PP2PP
Counts
PMT #

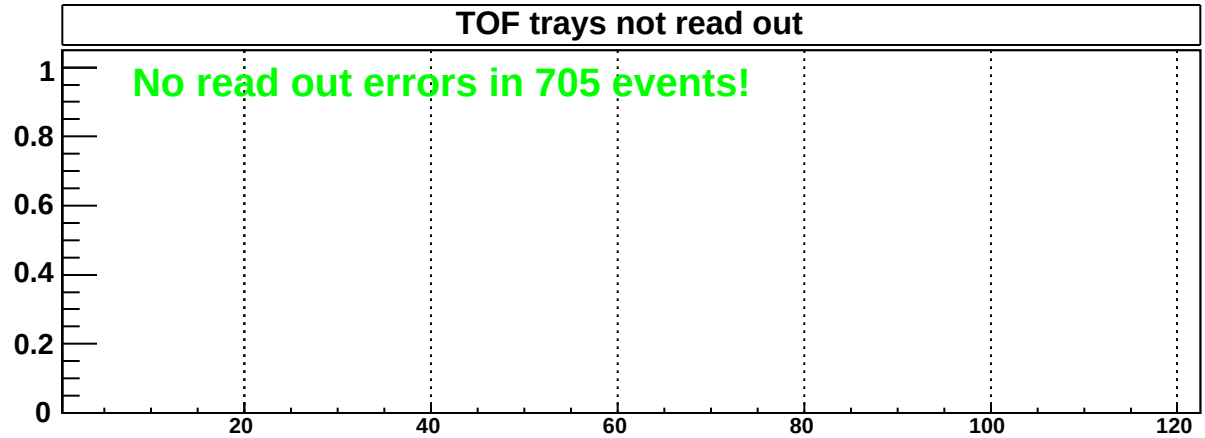

upvpd ToT vs PMT#
west side
east side
PP2PP
ToT (ns)
PMT #

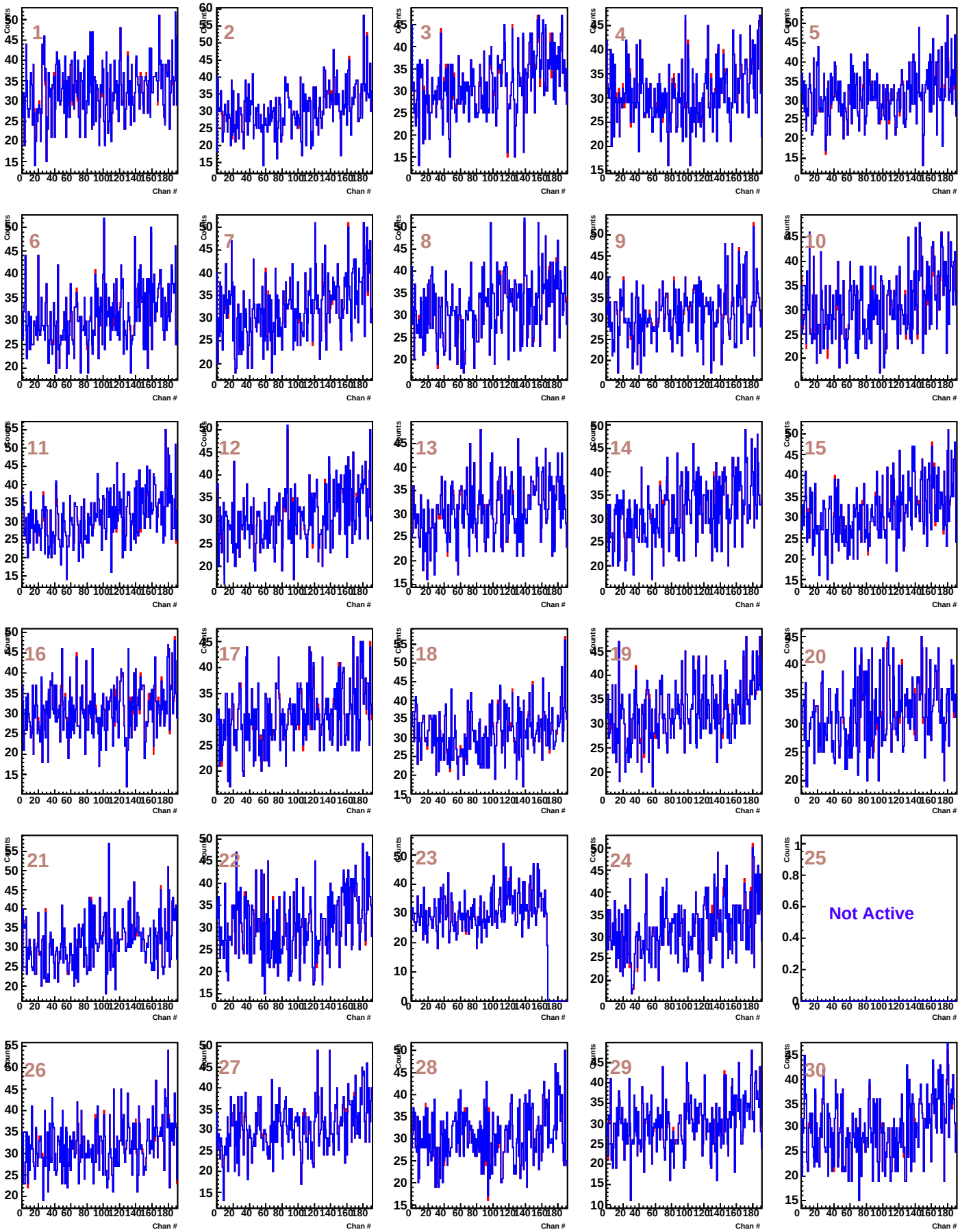

upvpd eastT vs westT
east time (ns)

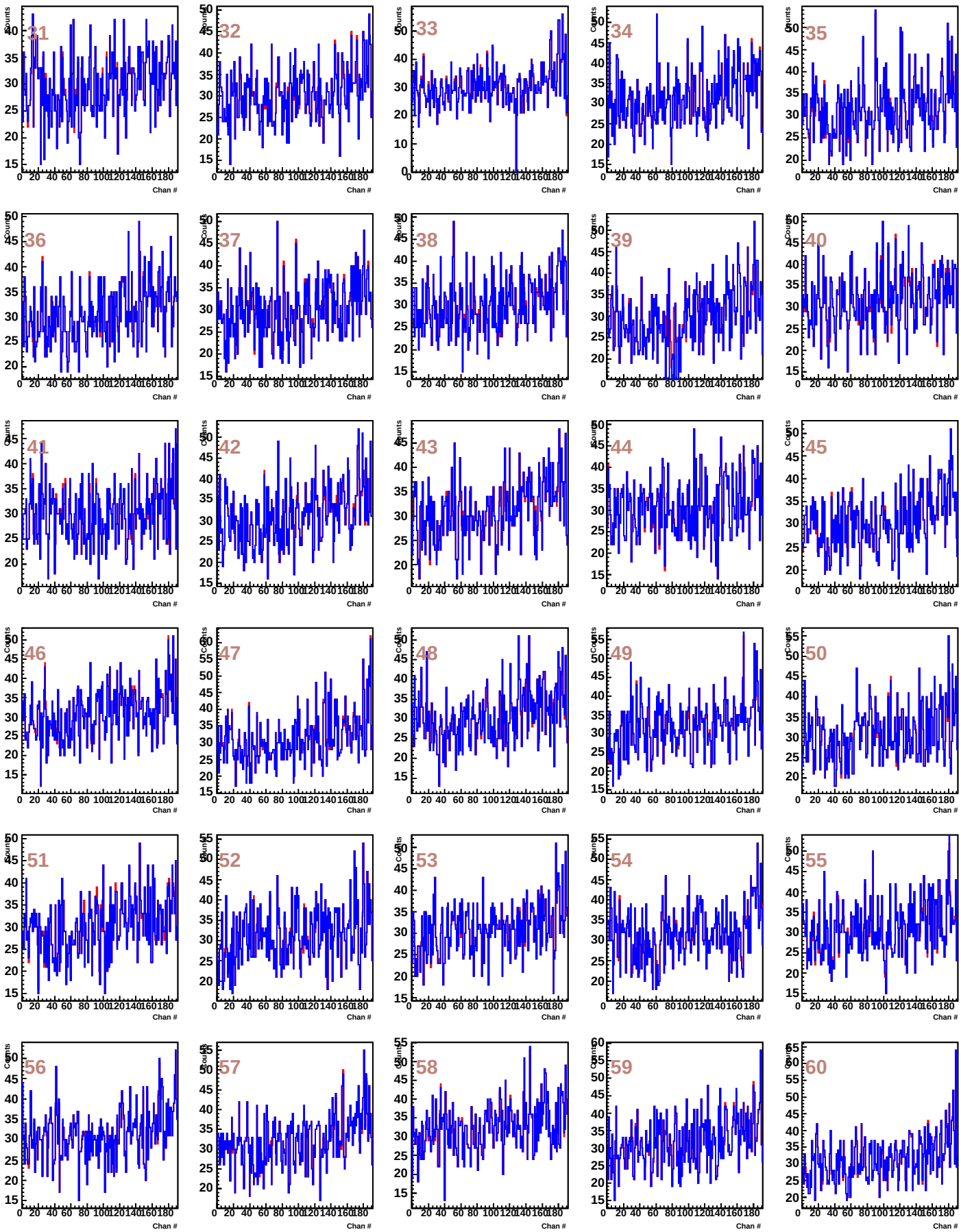

TOF electronics errors
No electronics error in 705 events
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120

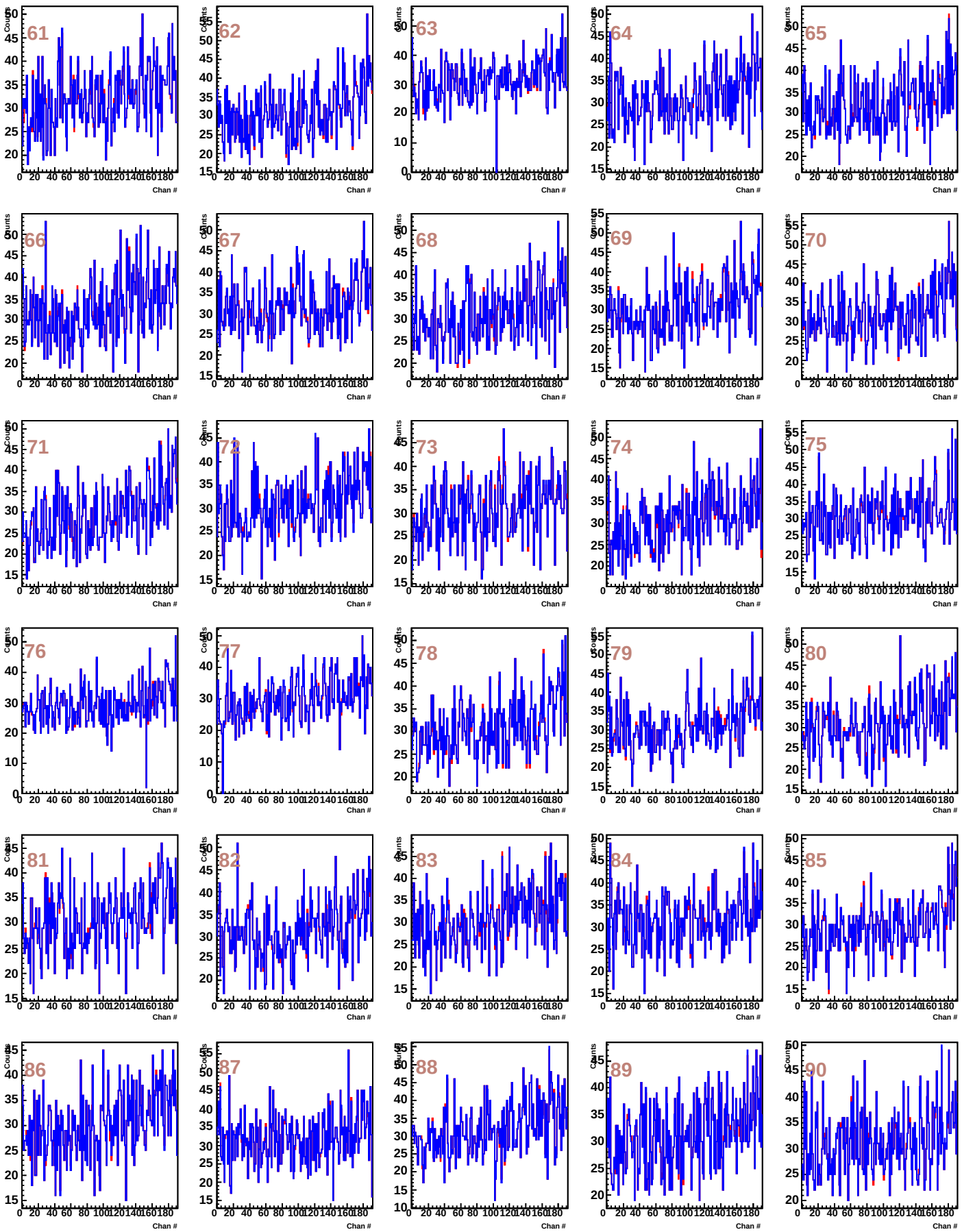

TOF incorrect bunchid errors
No incorrect bunchid values in 705 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120

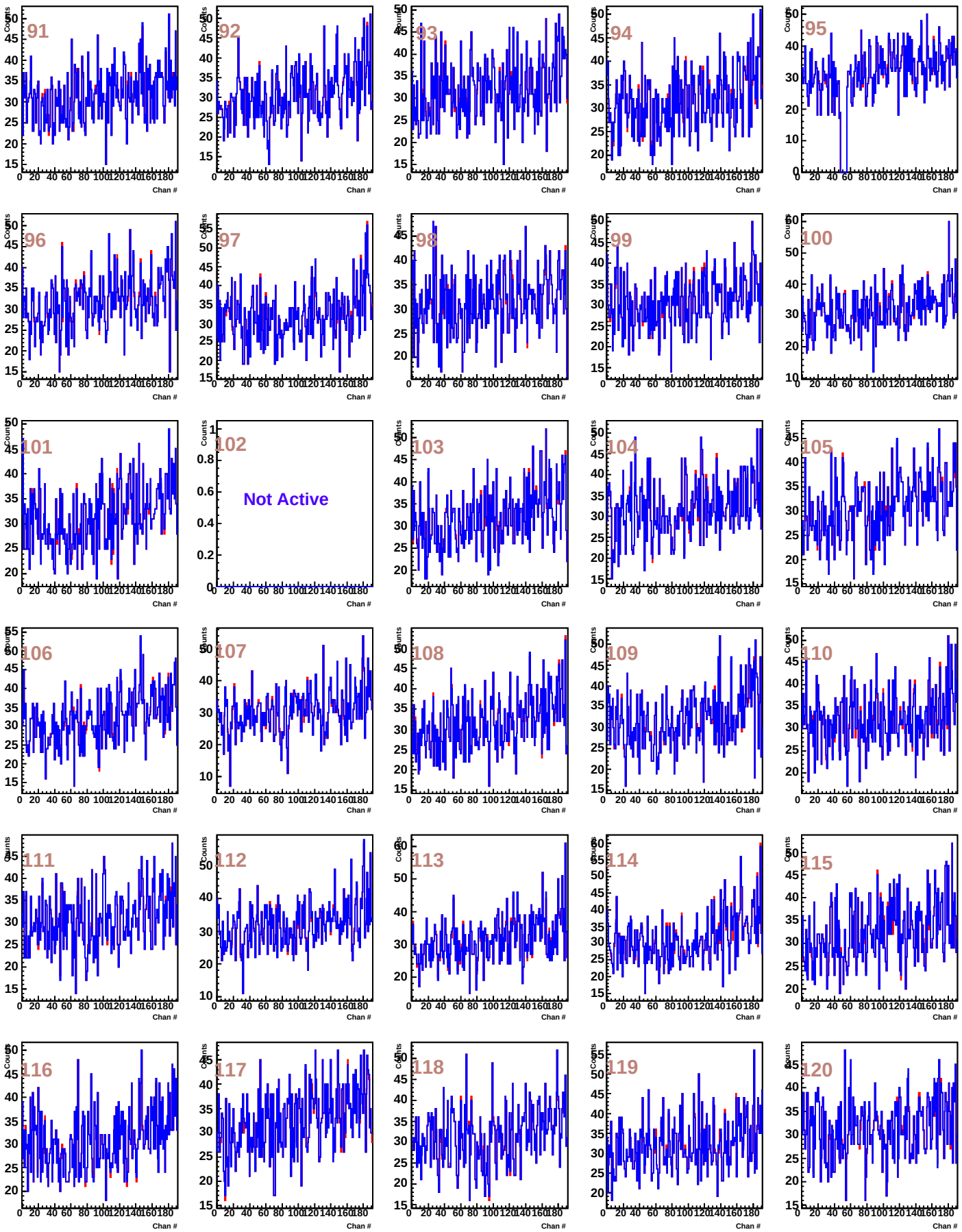

TOF Hits by TrayHalf
$10^4$
$10^3$
$10^2$
10
1
20
40
60
80
100
120

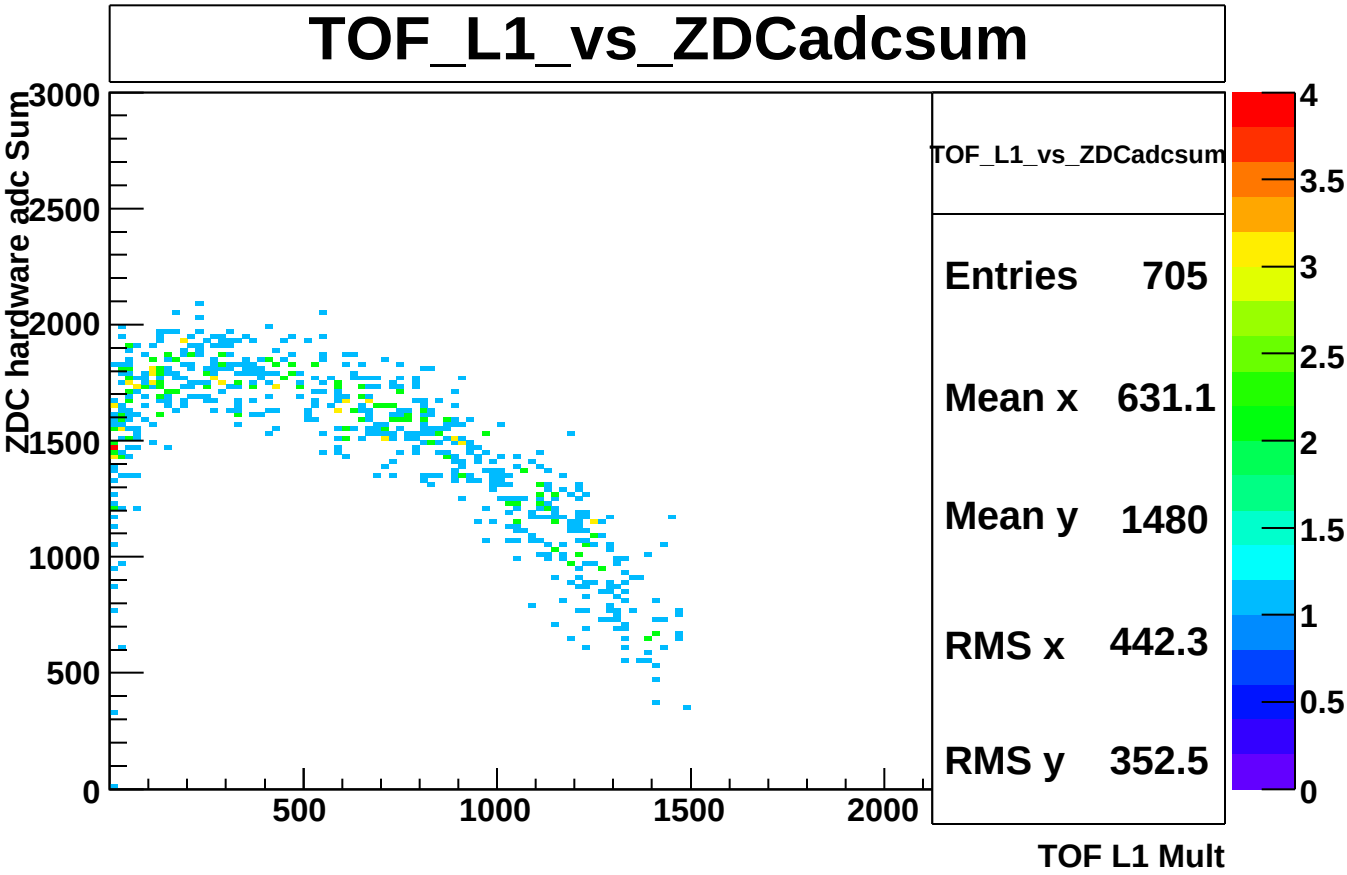

TOF trays not read out
No read out errors in 705 events!
1
0.8
0.6
0.4
0.2
0
20
40
60
80
100
120

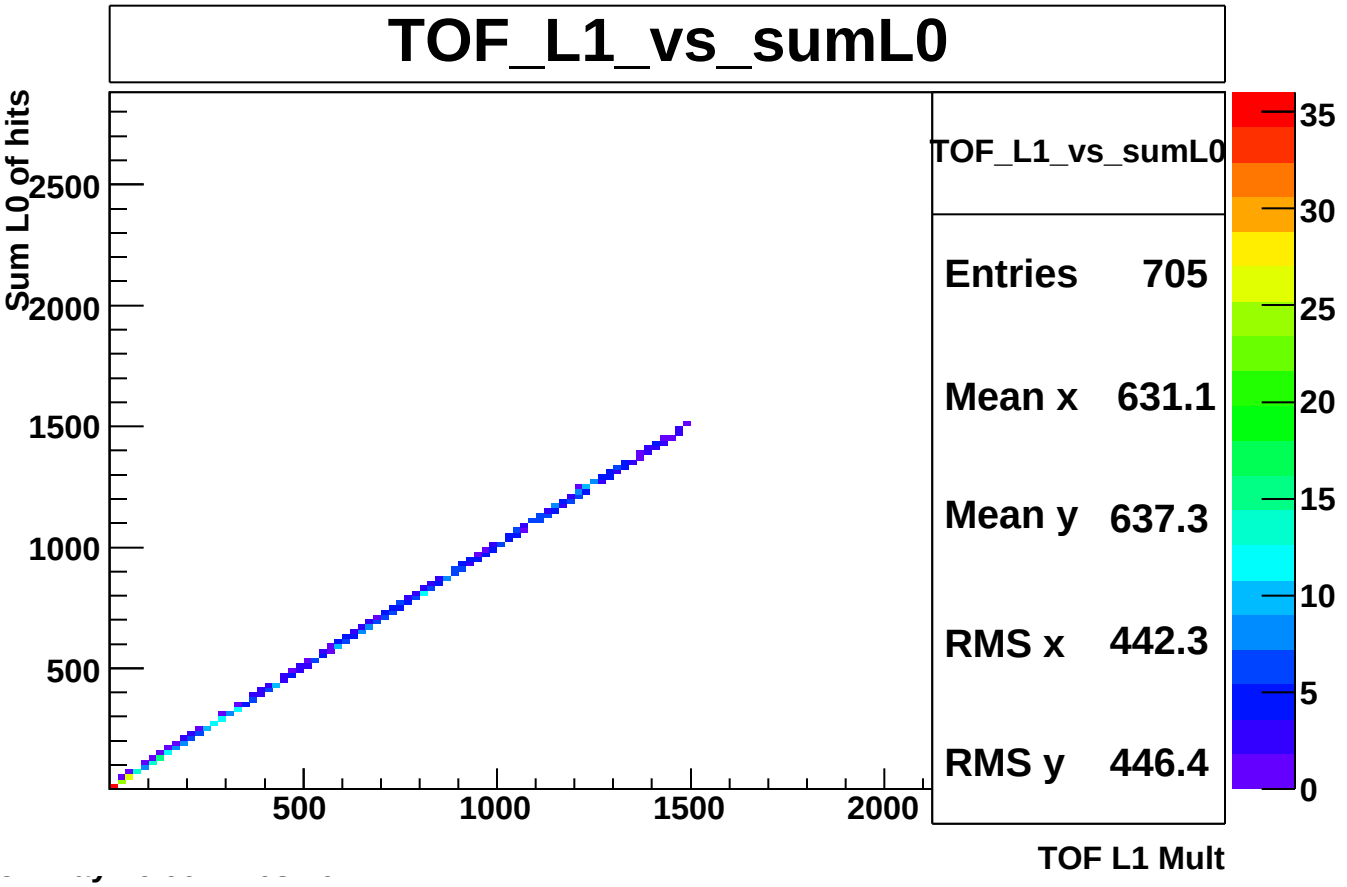

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
26
27
28
29
30
Counts
Chan #

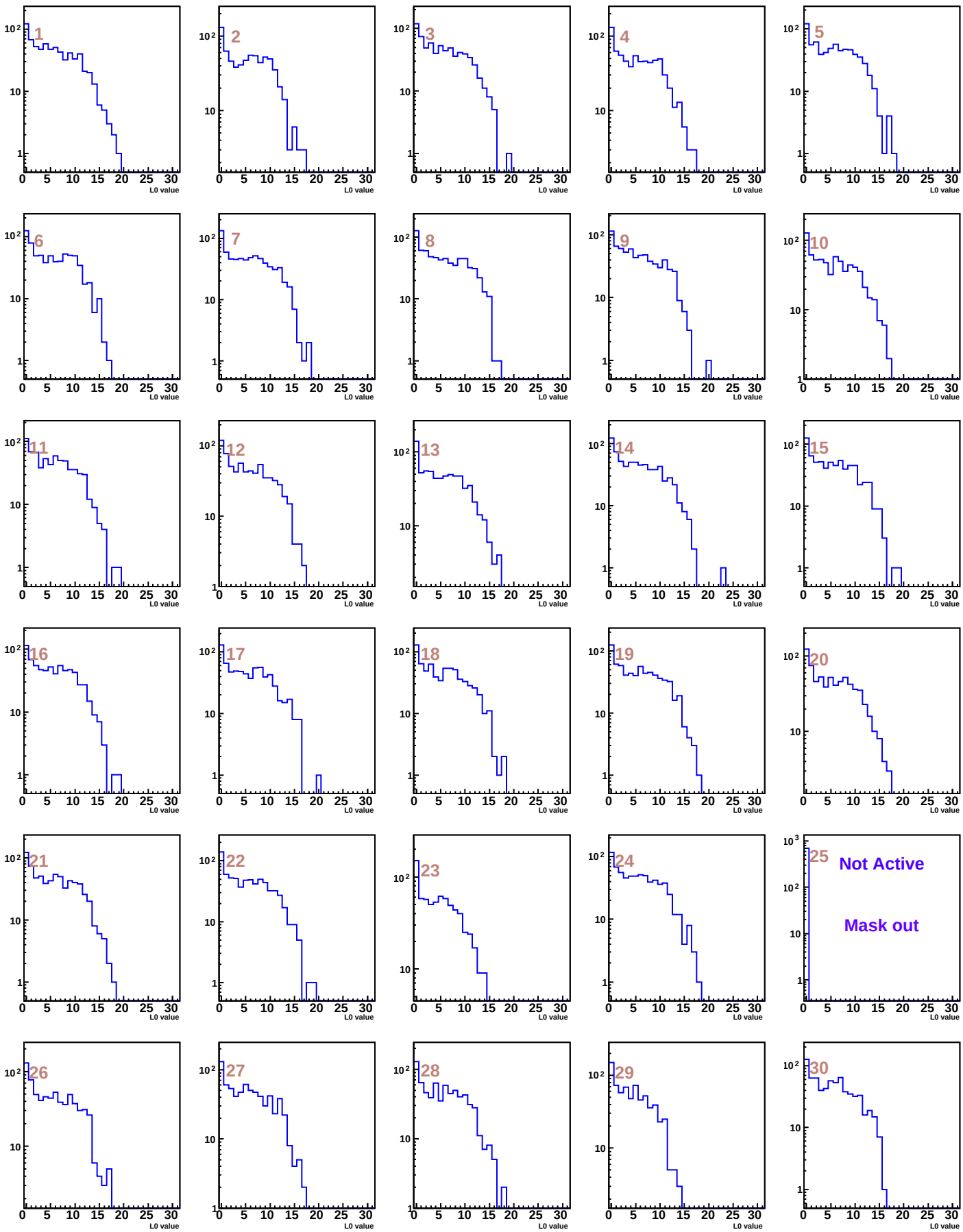

31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
Counts
Chan #

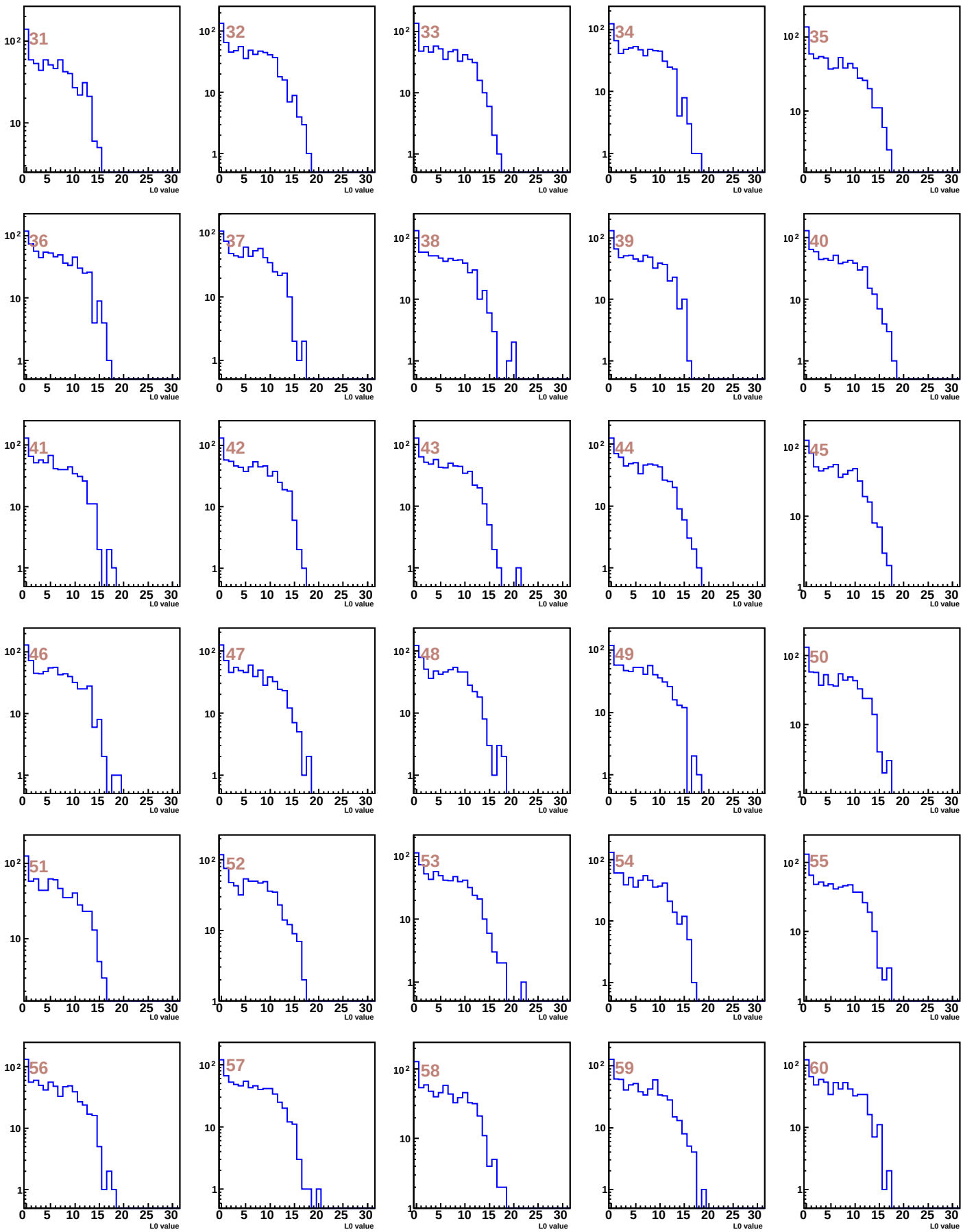

61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
Counts
Chan #

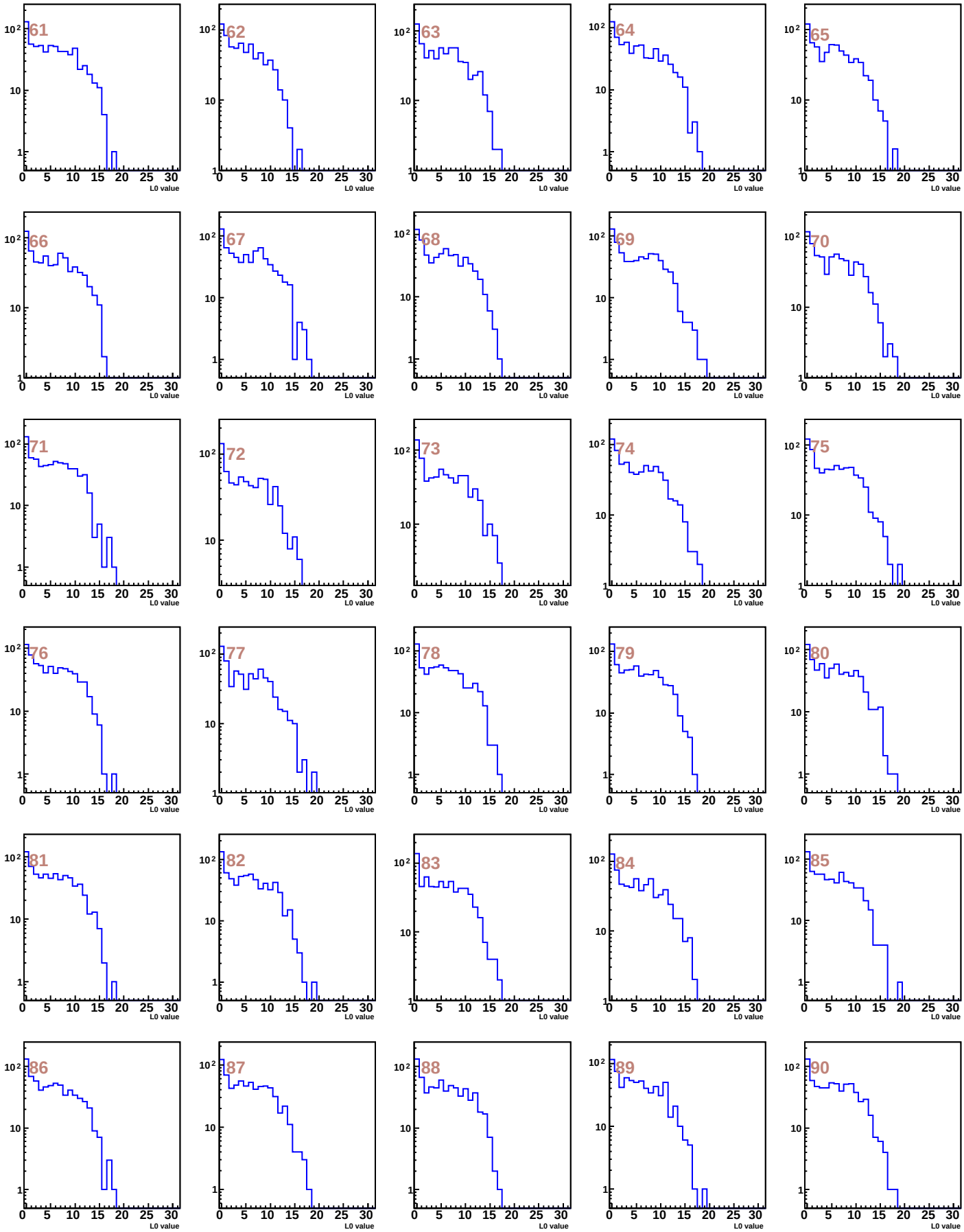

91
92
93
94
95
96
97
98
99
100
101
102
Not Active
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
Counts
Chan #

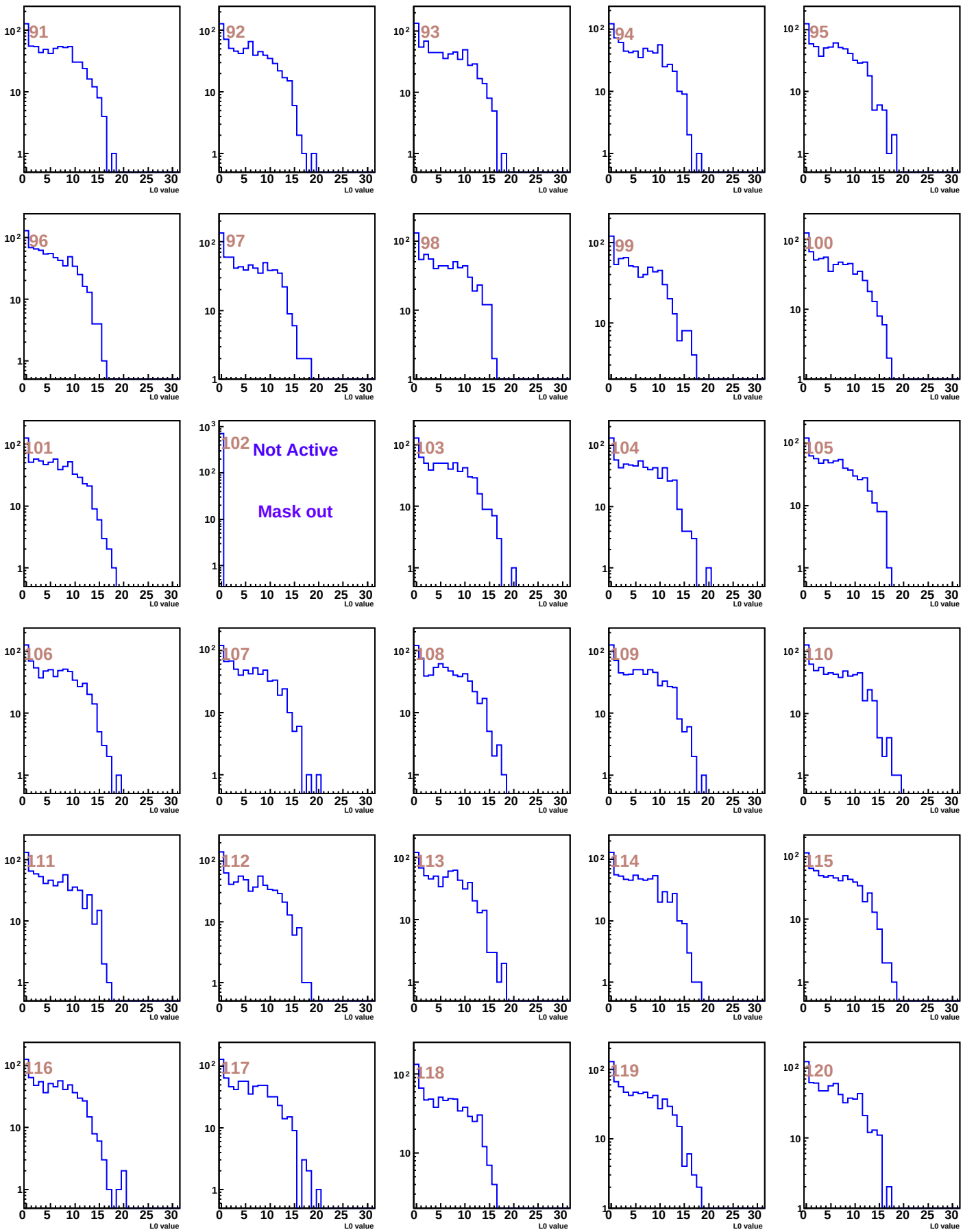

TOF_L1_vs_ZDCadcsum
ZDC hardware adc Sum
TOF L1 Mult
TOF_L1_vs_ZDCadcsum
Entries 705
Mean x 631.1
Mean y 1480
RMS x 442.3
RMS y 352.5

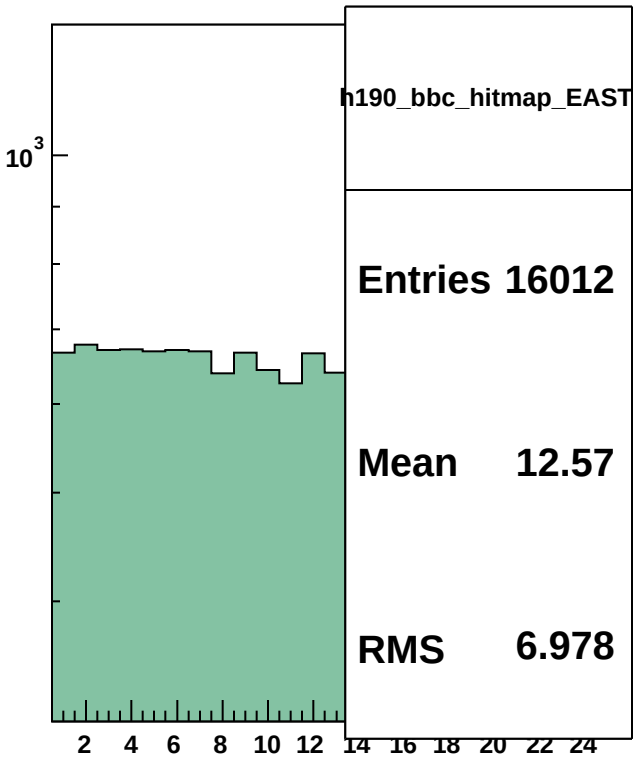

TOF_L1_vs_sumL0
Sum L0 of hits
TOF L1 Mult
TOF_L1_vs_sumL0
Entries 705
Mean x 631.1
Mean y 637.3
RMS x 442.3
RMS y 446.4

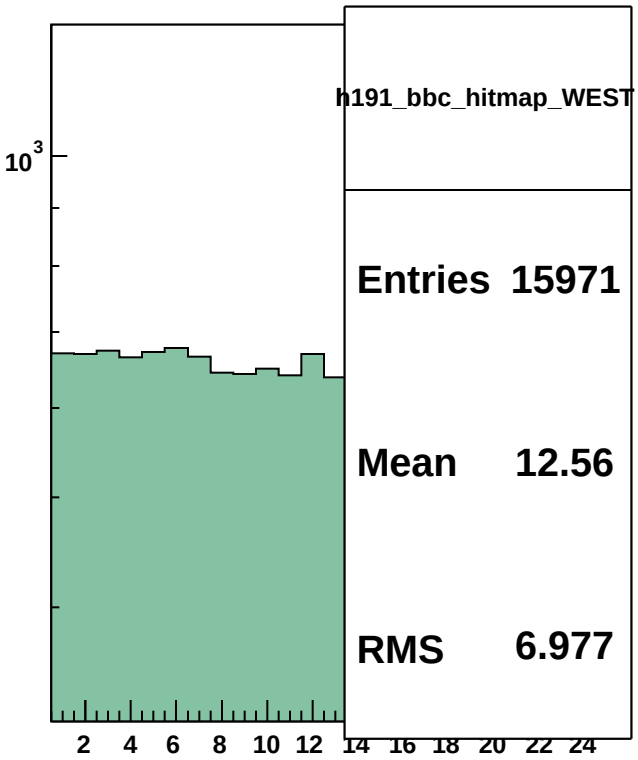

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
Not Active
Mask out
26
27
28
29
30
L0 value

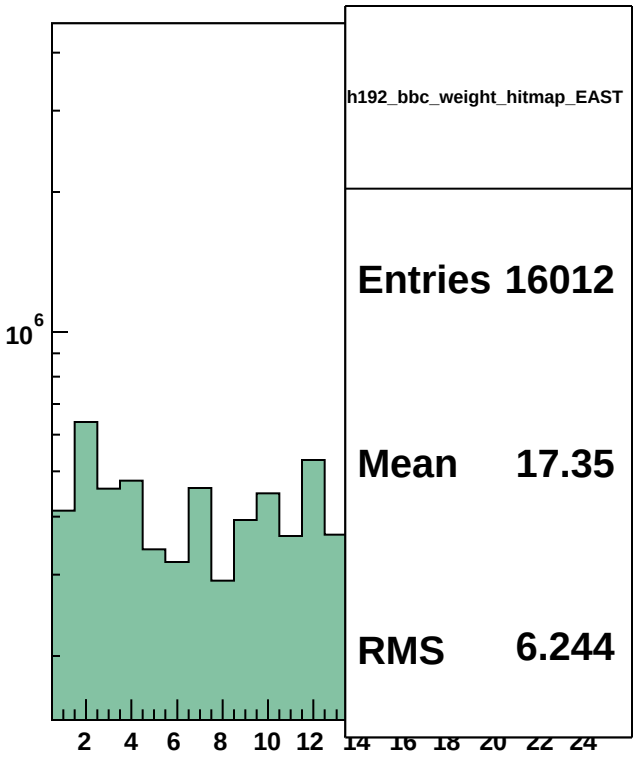

31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
L0 value

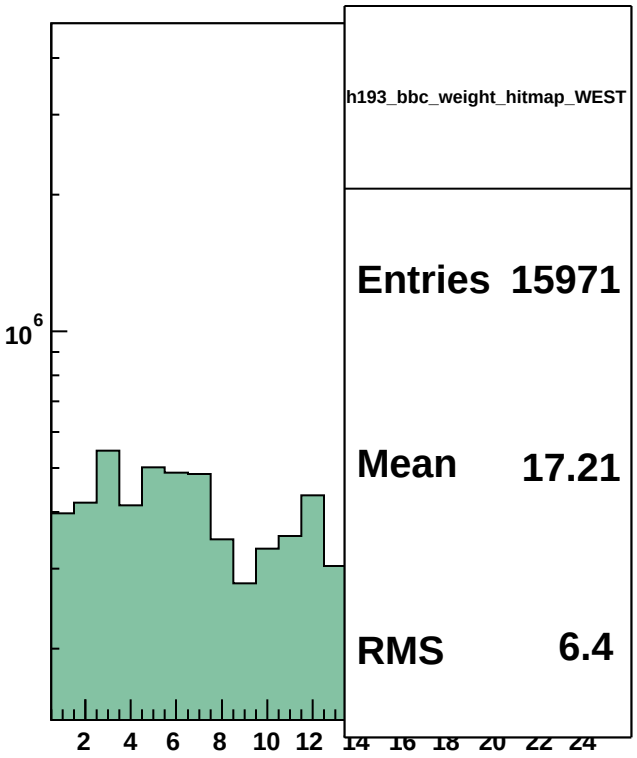

61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
78
79
80
81
82
83
84
85
86
87
88
89
90
L0 value

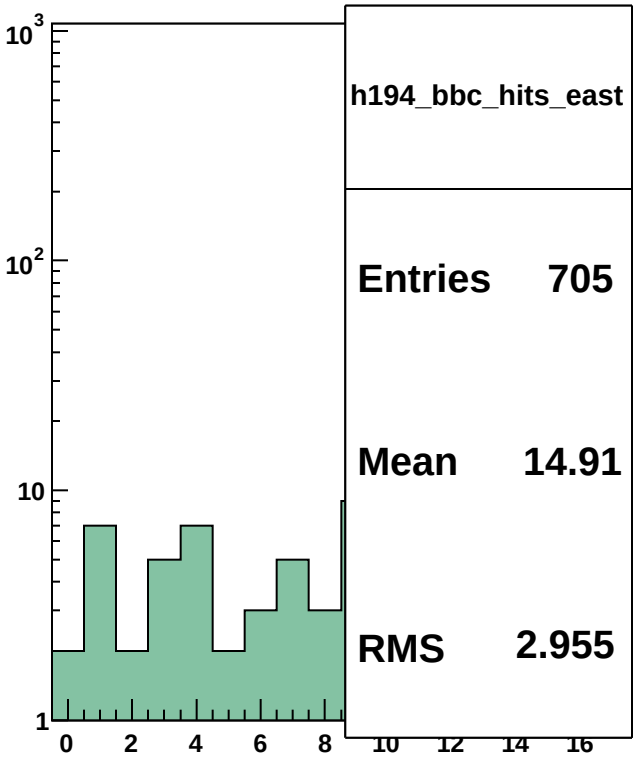

91
92
93
94
95
96
97
98
99
100
101
102
Not Active
Mask out
103
104
105
106
107
108
109
110
111
112
113
114
115
116
117
118
119
120
L0 value

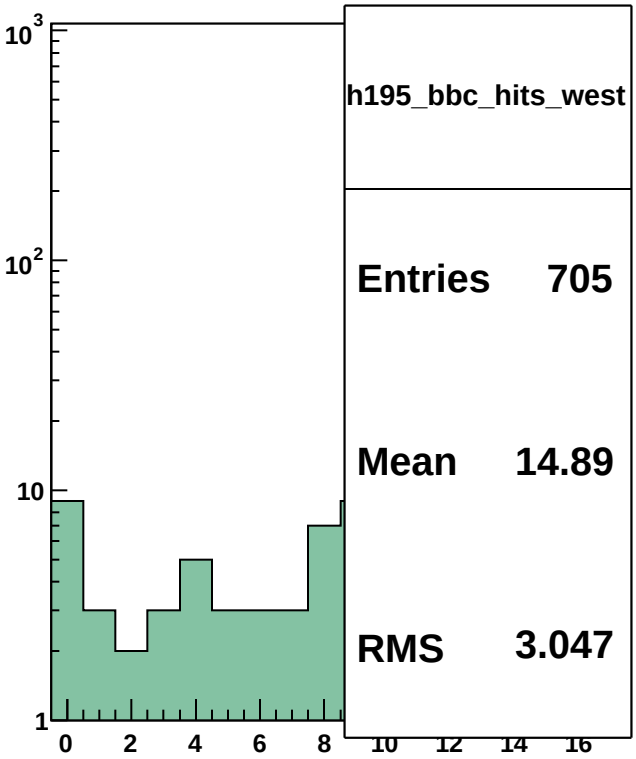

h190_bbc_hitmap_EAST
Entries 16012
Mean 12.57
RMS 6.978
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

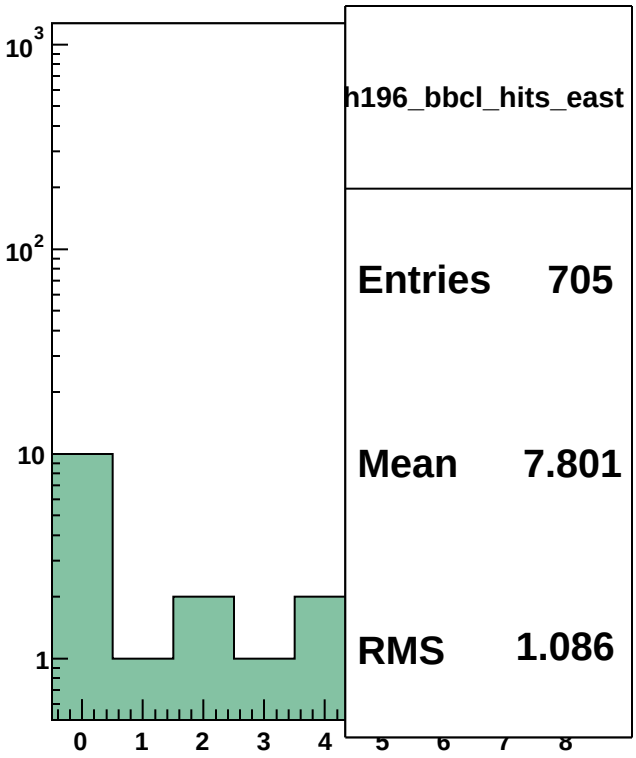

h191_bbc_hitmap_WEST
Entries 15971
Mean 12.56
RMS 6.977
$10^3$
2 4 6 8 10 12 14 16 18 20 22 24

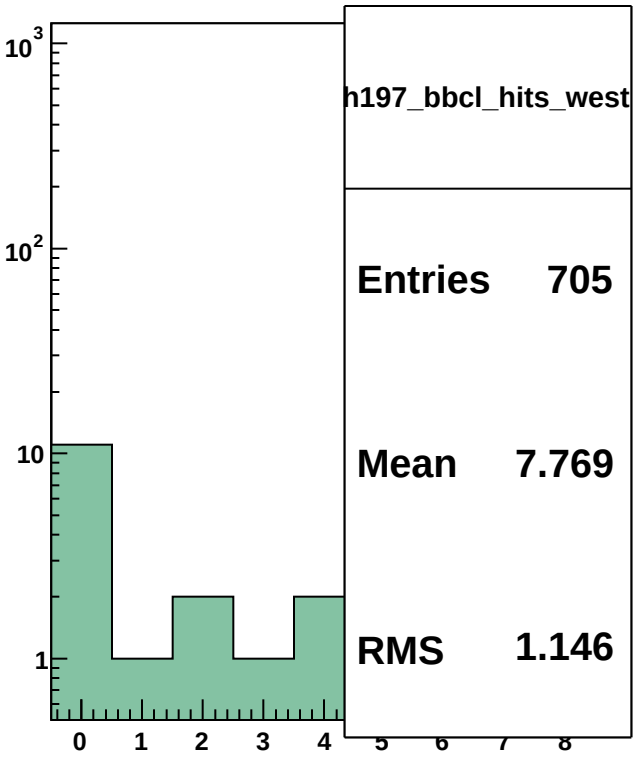

h192_bbc_weight_hitmap_EAST
Entries 16012
Mean 17.35
RMS 6.244
$10^6$
2 4 6 8 10 12 14 16 18 20 22 24

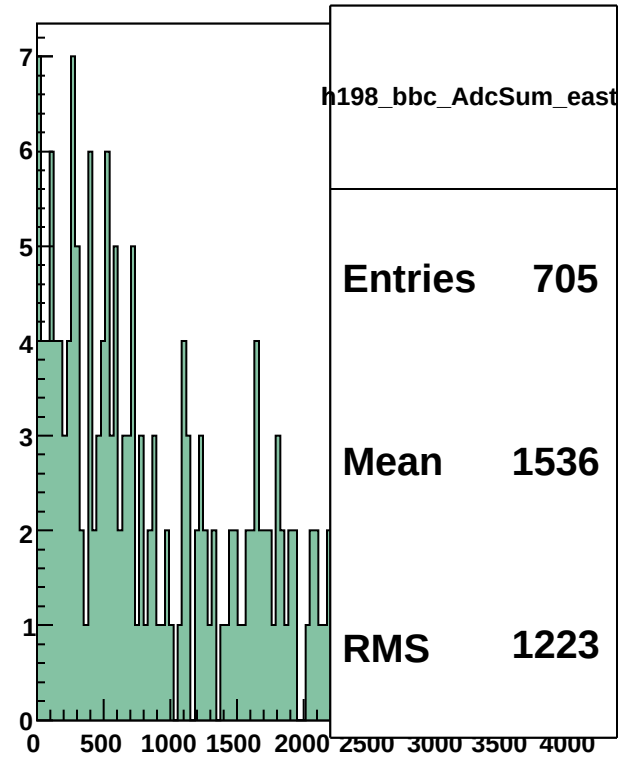

h193_bbc_weight_hitmap_WEST
Entries 15971
Mean 17.21
RMS 6.4
$10^6$
2 4 6 8 10 12 14 16 18 20 22 24

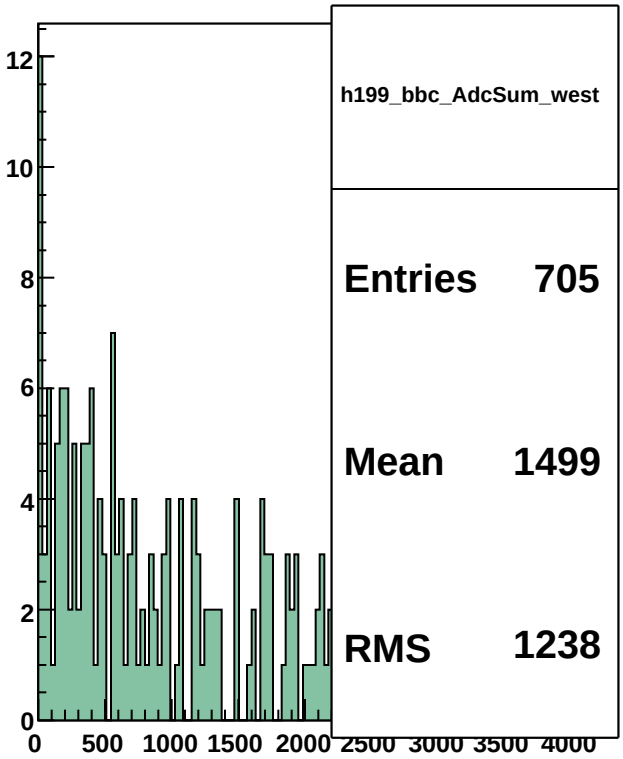

h194_bbc_hits_east
Entries 705
Mean 14.91
RMS 2.955

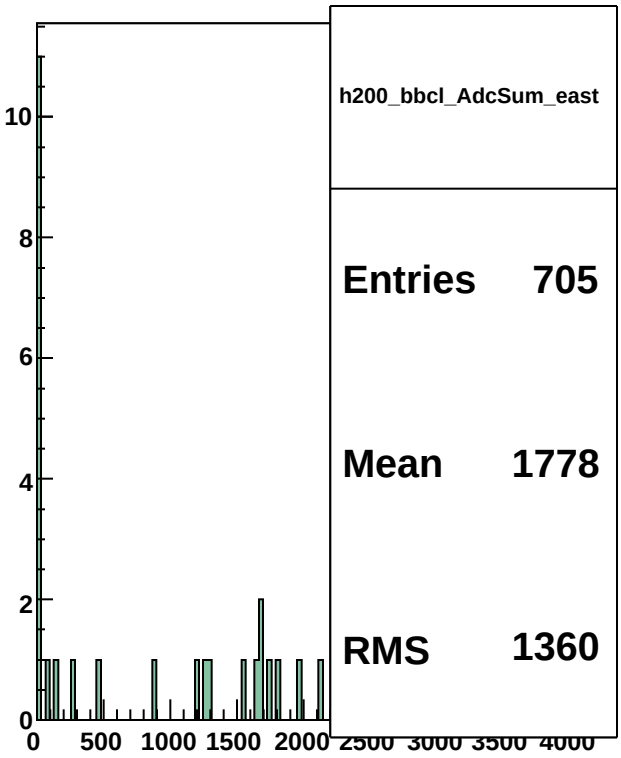

h195_bbc_hits_west
Entries 705
Mean 14.89
RMS 3.047

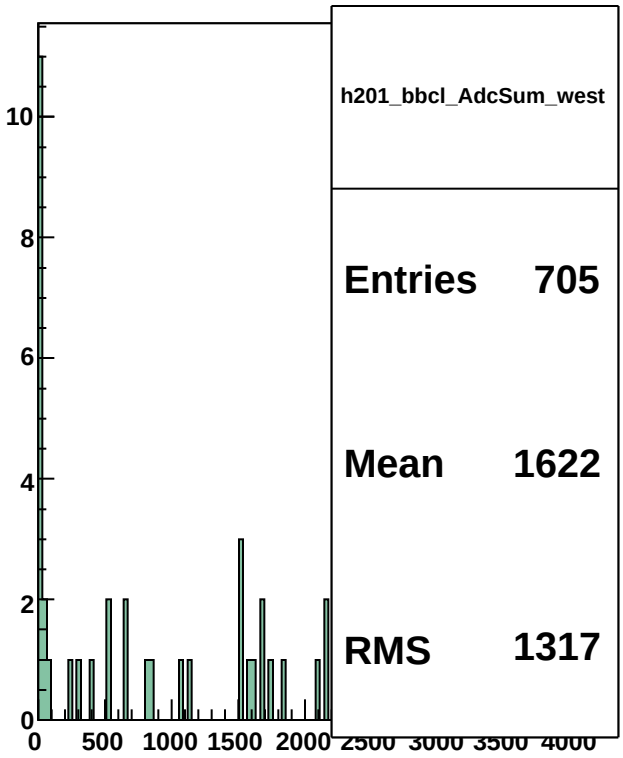

h196_bbcl_hits_east
Entries 705
Mean 7.801
RMS 1.086

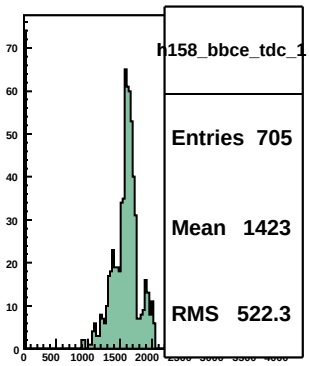

h197_bbcl_hits_west
Entries 705
Mean 7.769
RMS 1.146

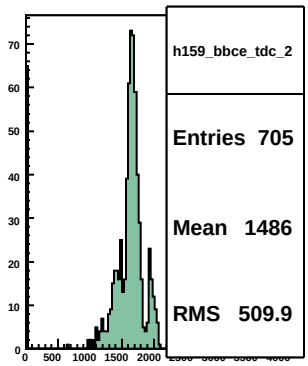

h198_bbc_AdcSum_east
Entries 705
Mean 1536
RMS 1223

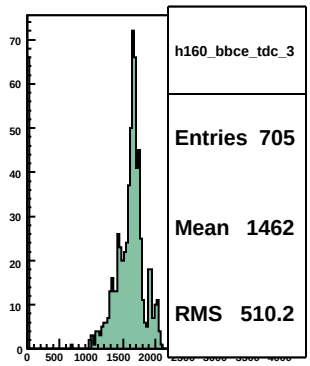

h199_bbc_AdcSum_west
Entries 705
Mean 1499
RMS 1238

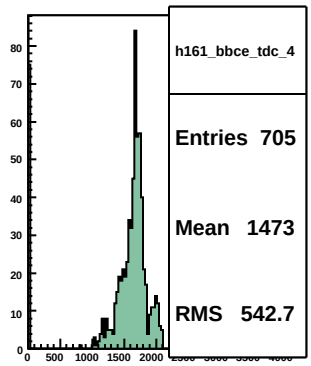

h200_bbcl_AdcSum_east
Entries 705
Mean 1778
RMS 1360

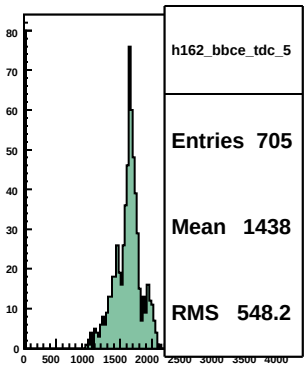

h201_bbcl_AdcSum_west
Entries 705
Mean 1622
RMS 1317

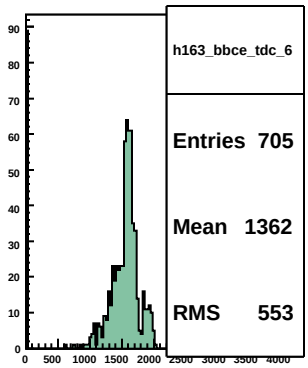

h158_bbce_tdc_1
Entries 705
Mean 1423
RMS 522.3

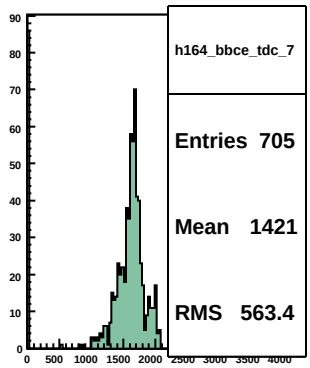

h159_bbce_tdc_2
Entries 705
Mean 1486
RMS 509.9

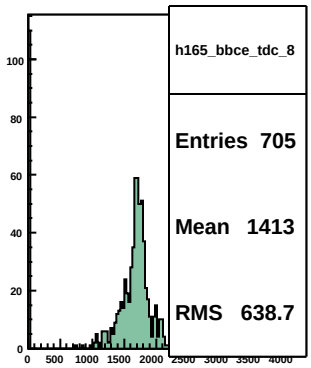

h160_bbce_tdc_3
Entries 705
Mean 1462
RMS 510.2

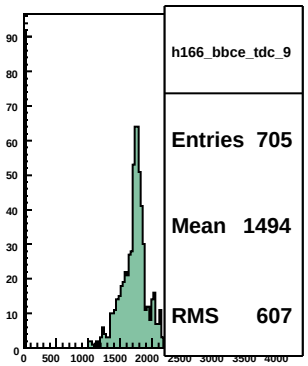

h161_bbce_tdc_4
Entries 705
Mean 1473
RMS 542.7

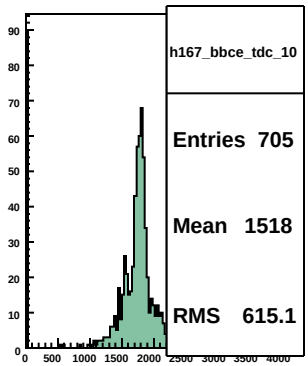

h162_bbce_tdc_5
Entries 705
Mean 1438
RMS 548.2

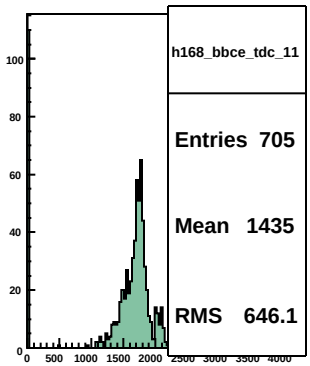

h163_bbce_tdc_6
Entries 705
Mean 1362
RMS 553

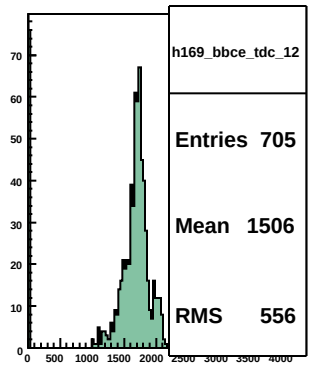

h164_bbce_tdc_7
Entries 705
Mean 1421
RMS 563.4

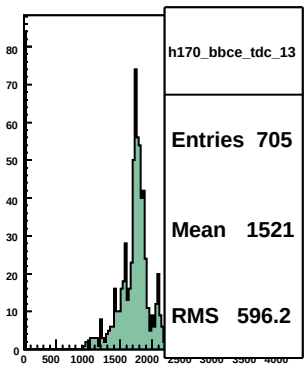

h165_bbce_tdc_8
Entries 705
Mean 1413
RMS 638.7

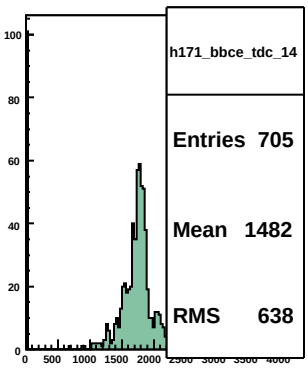

h166_bbce_tdc_9
Entries 705
Mean 1494
RMS 607

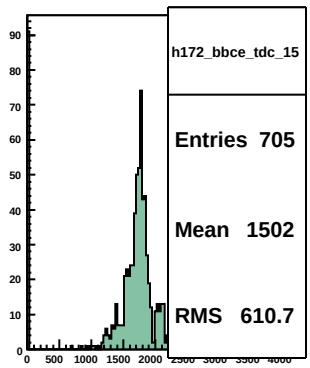

h167_bbce_tdc_10
Entries 705
Mean 1518
RMS 615.1

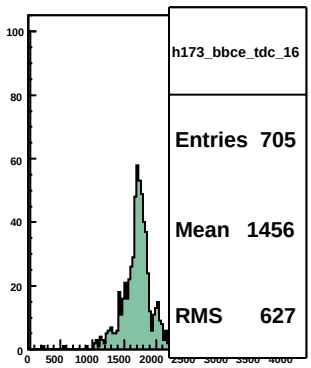

h168_bbce_tdc_11
Entries 705
Mean 1435
RMS 646.1

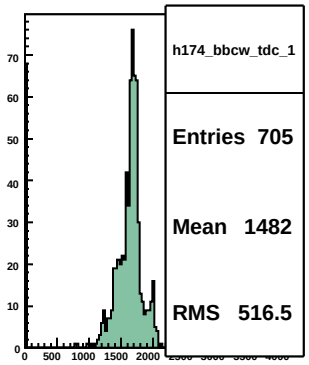

h169_bbce_tdc_12
Entries 705
Mean 1506
RMS 556

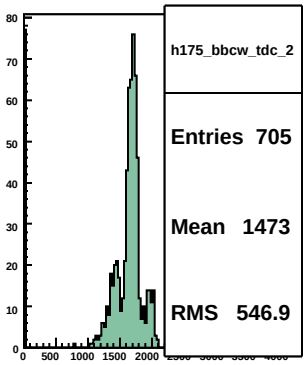

h170_bbce_tdc_13
Entries 705
Mean 1521
RMS 596.2

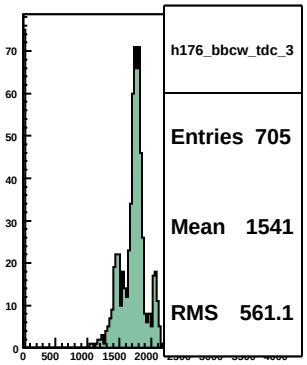

h171_bbce_tdc_14
Entries 705
Mean 1482
RMS 638

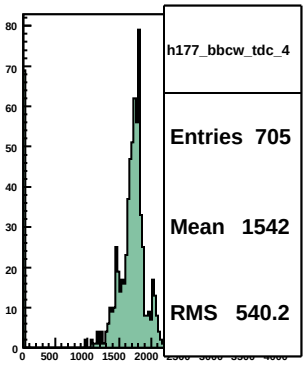

h172_bbce_tdc_15
Entries 705
Mean 1502
RMS 610.7

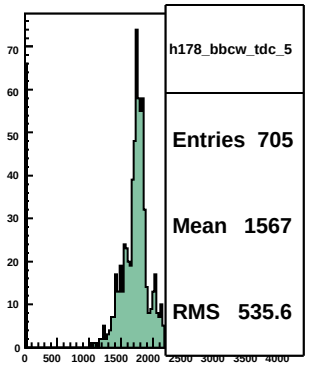

h173_bbce_tdc_16
Entries 705
Mean 1456
RMS 627

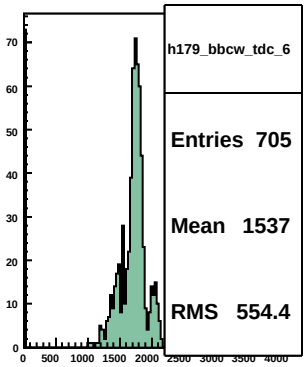

h174_bbcw_tdc_1
Entries 705
Mean 1482
RMS 516.5

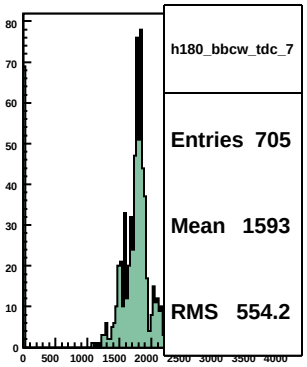

h175_bbcw_tdc_2
Entries 705
Mean 1473
RMS 546.9

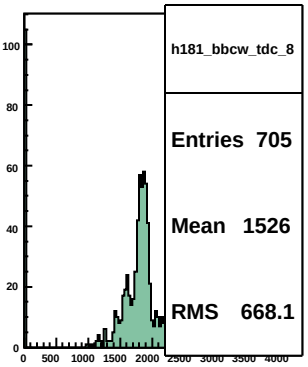

h176_bbcw_tdc_3
Entries 705
Mean 1541
RMS 561.1

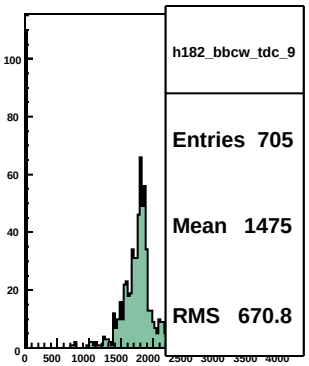

h177_bbcw_tdc_4
Entries 705
Mean 1542
RMS 540.2

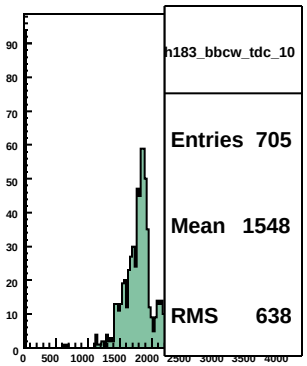

h178_bbcw_tdc_5
Entries 705
Mean 1567
RMS 535.6

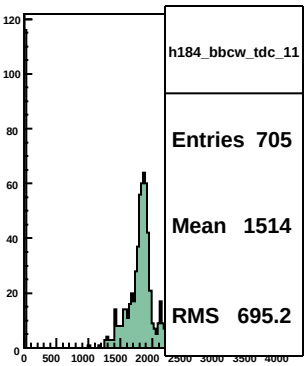

h179_bbcw_tdc_6
Entries 705
Mean 1537
RMS 554.4

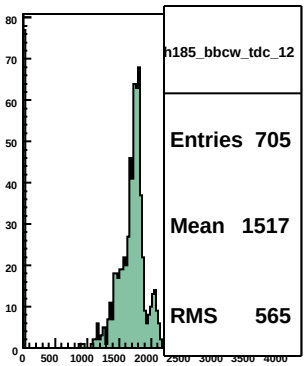

h180_bbcw_tdc_7
Entries 705
Mean 1593
RMS 554.2

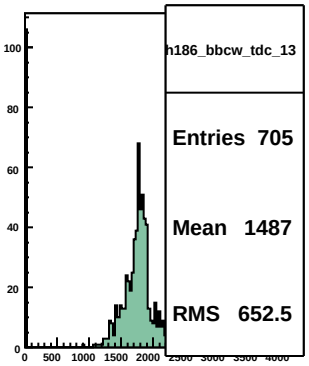

h181_bbcw_tdc_8
Entries 705
Mean 1526
RMS 668.1

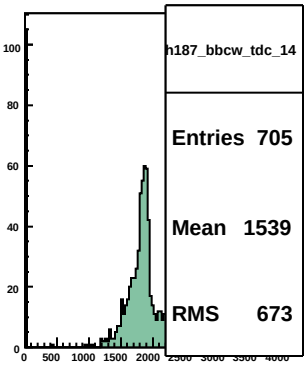

h182_bbcw_tdc_9
Entries 705
Mean 1475
RMS 670.8

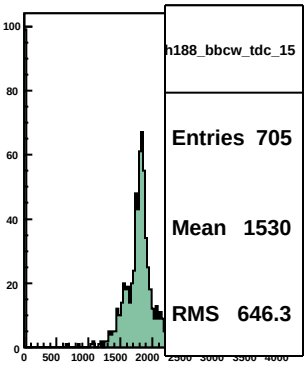

h183_bbcw_tdc_10
Entries 705
Mean 1548
RMS 638

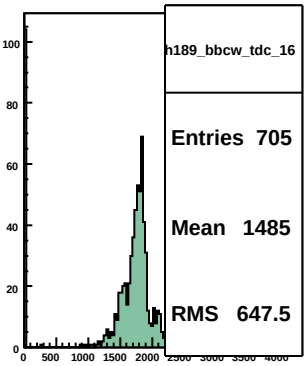

h184_bbcw_tdc_11
Entries 705
Mean 1514
RMS 695.2

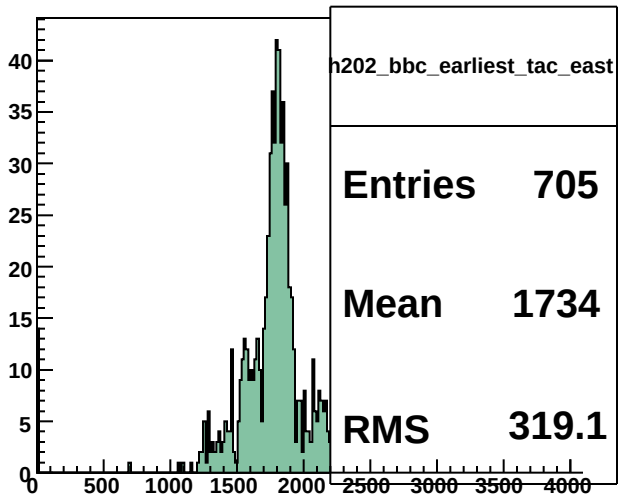

h185_bbcw_tdc_12
Entries 705
Mean 1517
RMS 565

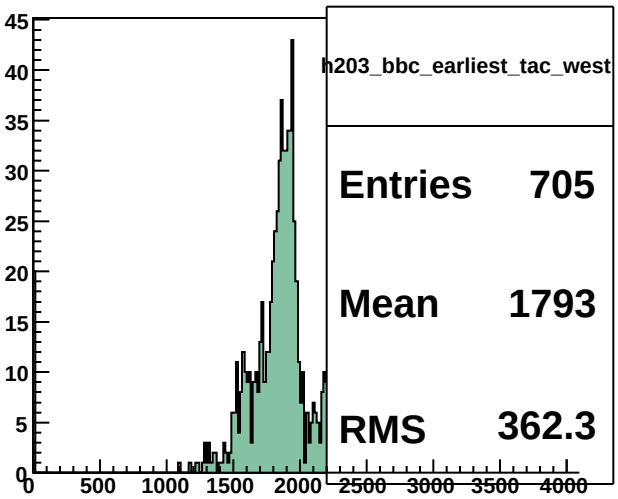

h186_bbcw_tdc_13
Entries 705
Mean 1487
RMS 652.5

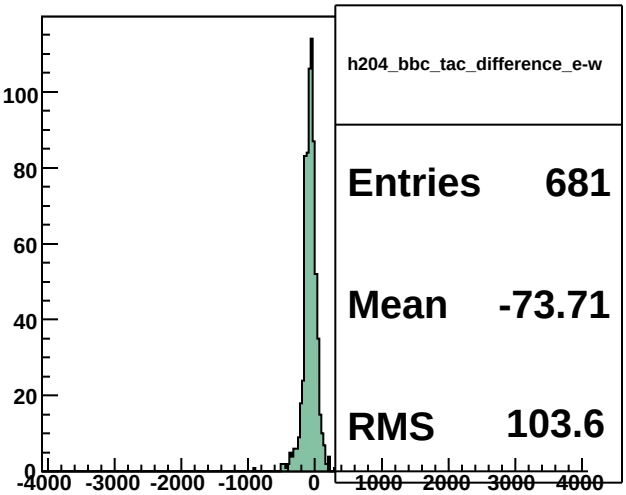

h187_bbcw_tdc_14
Entries 705
Mean 1539
RMS 673

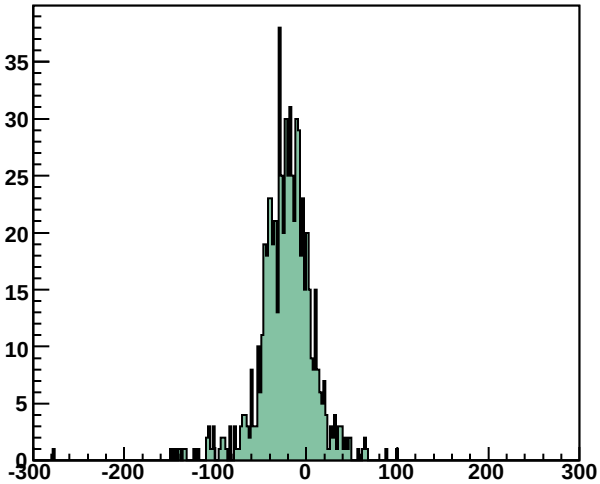

h188_bbcw_tdc_15
Entries 705
Mean 1530
RMS 646.3

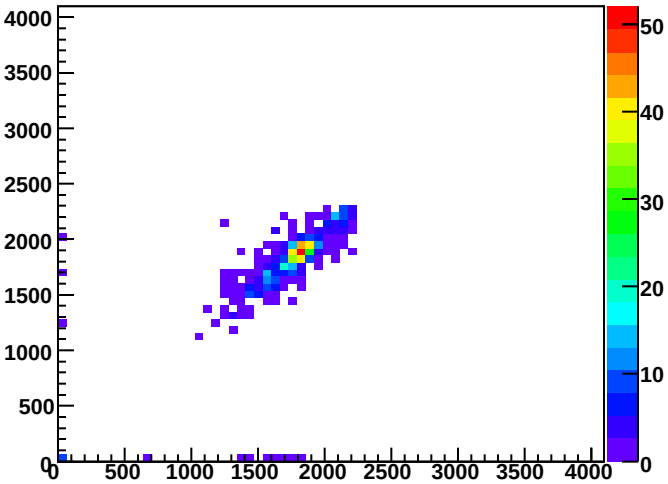

h189_bbcw_tdc_16
Entries 705
Mean 1485
RMS 647.5

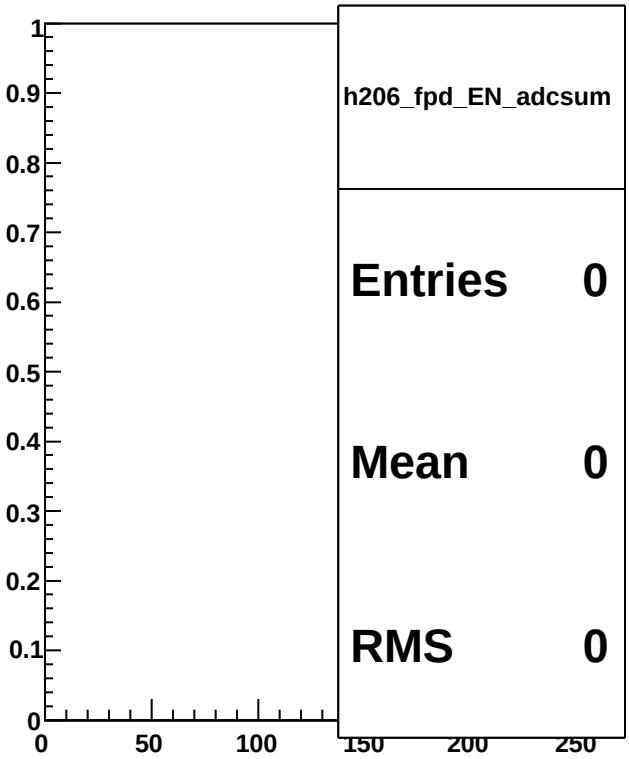

h202_bbc_earliest_tac_east
Entries 705
Mean 1734
RMS 319.1

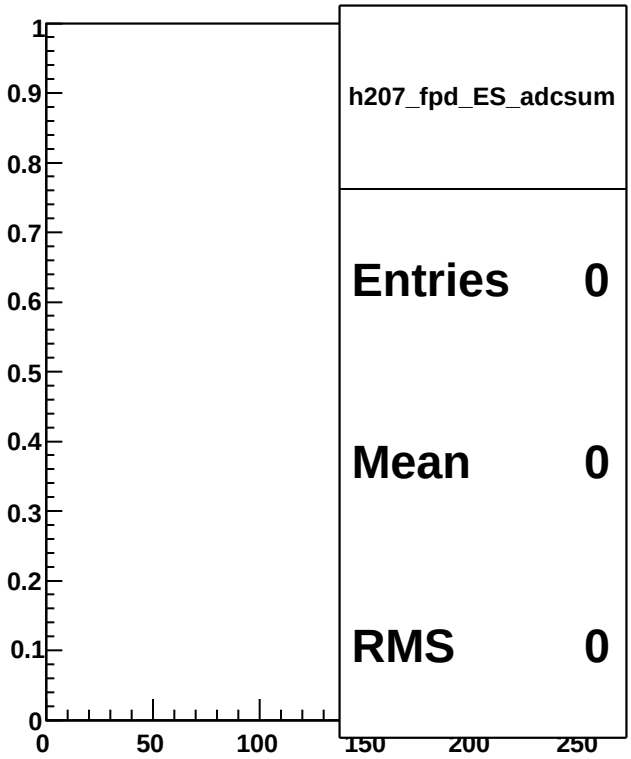

h203_bbc_earliest_tac_west
Entries 705
Mean 1793
RMS 362.3

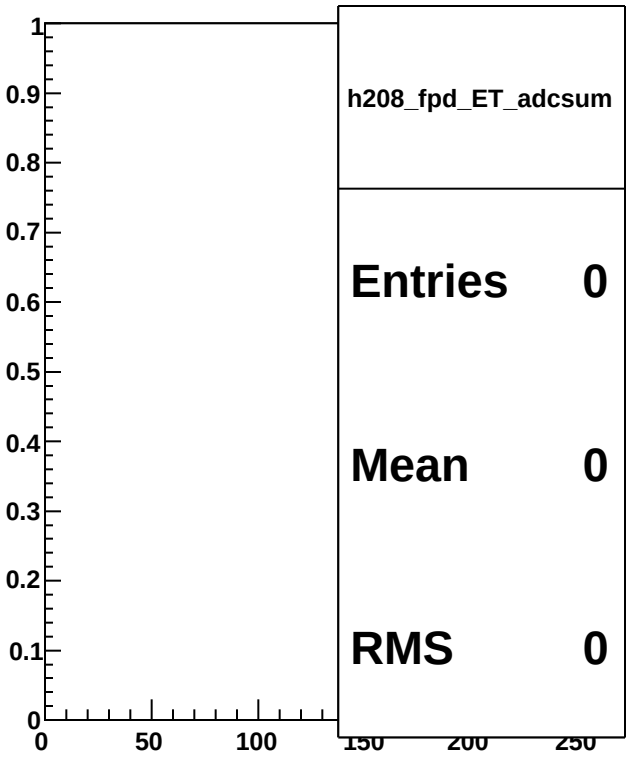

h204_bbc_tac_difference_e-w
Entries 681
Mean -73.71
RMS 103.6

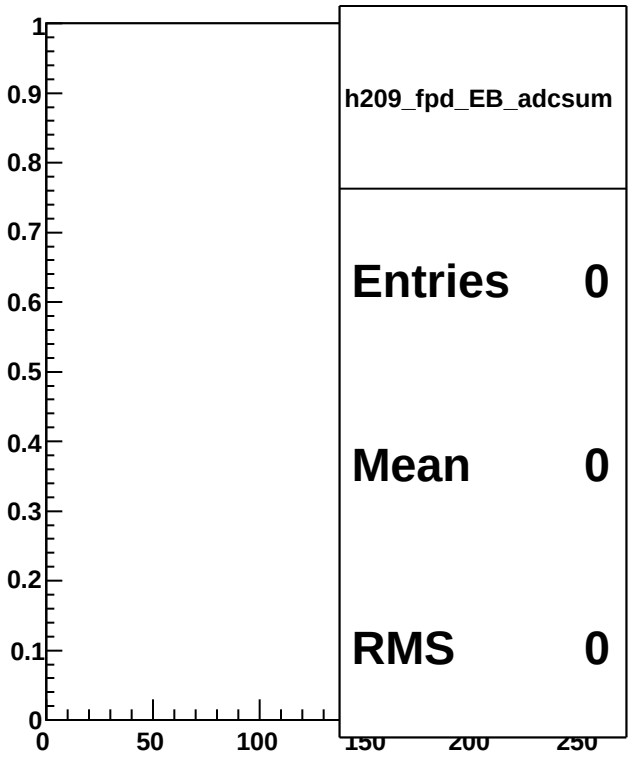


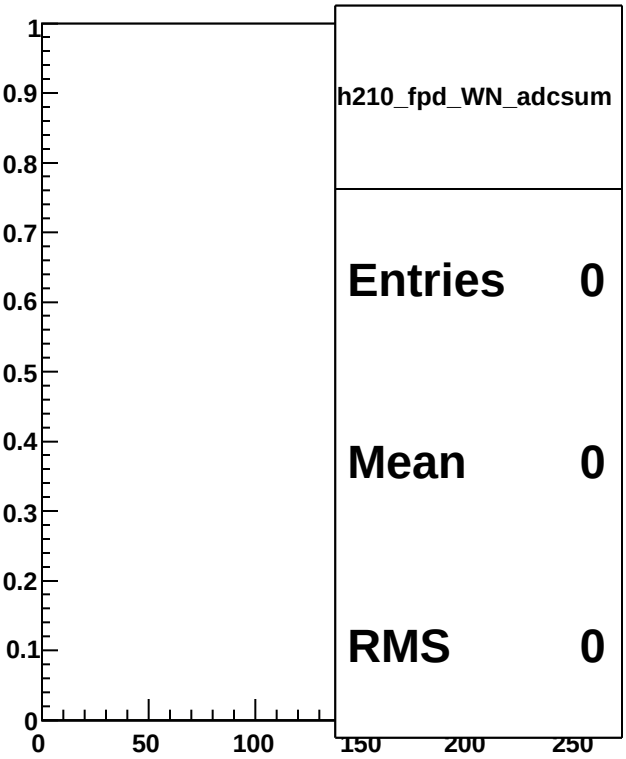


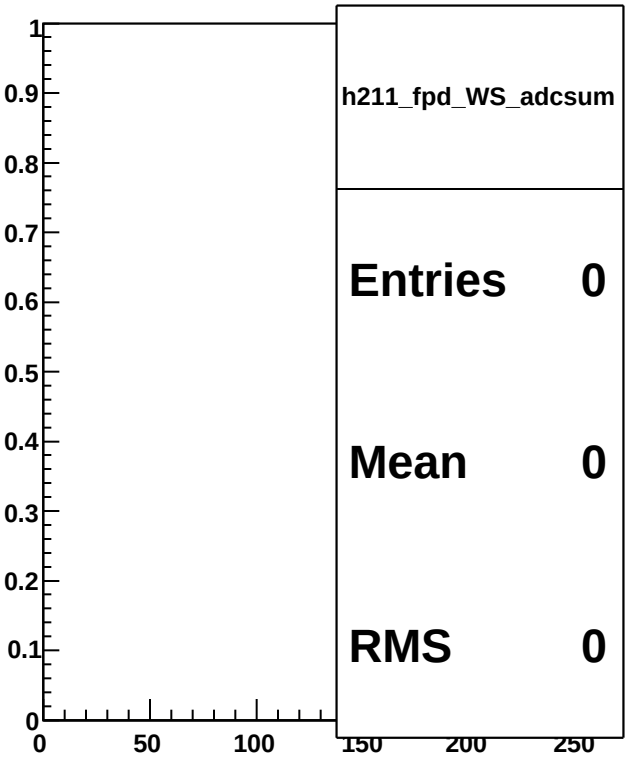

h206_fpd_EN_adcsum
Entries 0
Mean 0
RMS 0

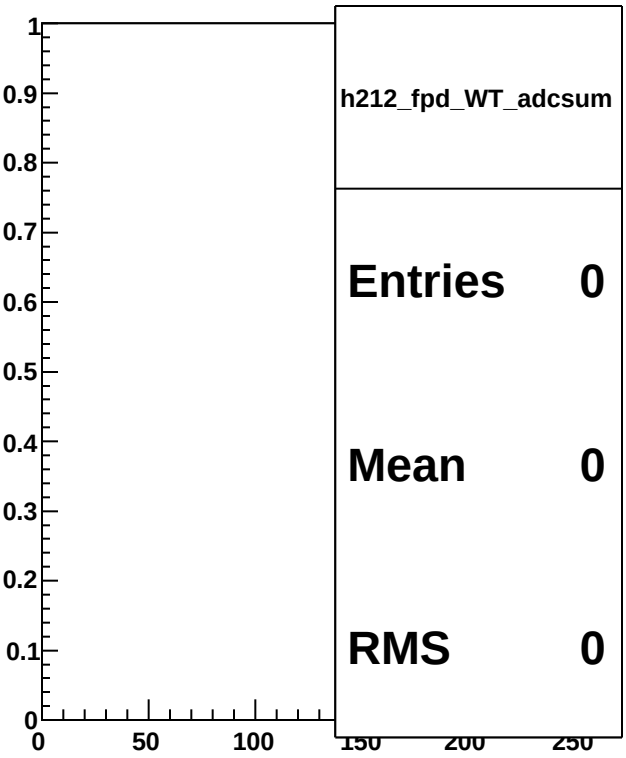

h207_fpd_ES_adcsum
Entries 0
Mean 0
RMS 0

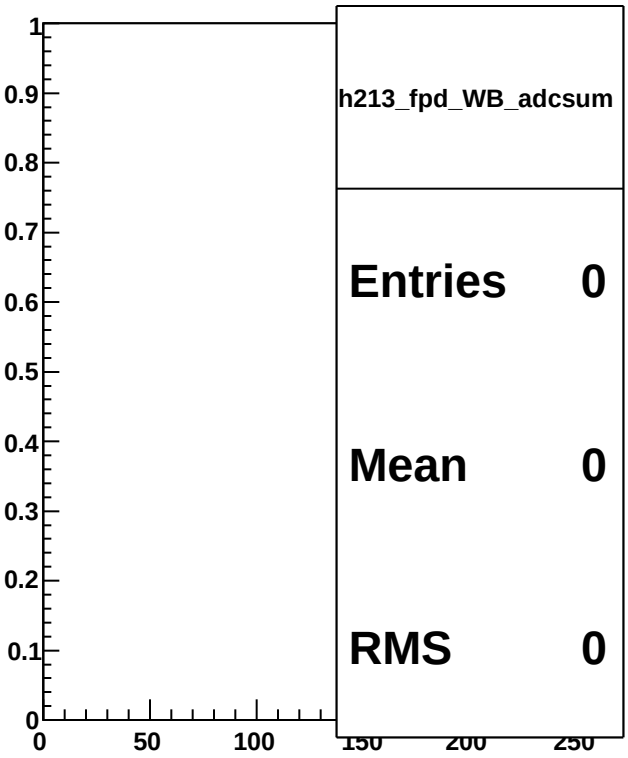

h208_fpd_ET_adcsum
Entries 0
Mean 0
RMS 0

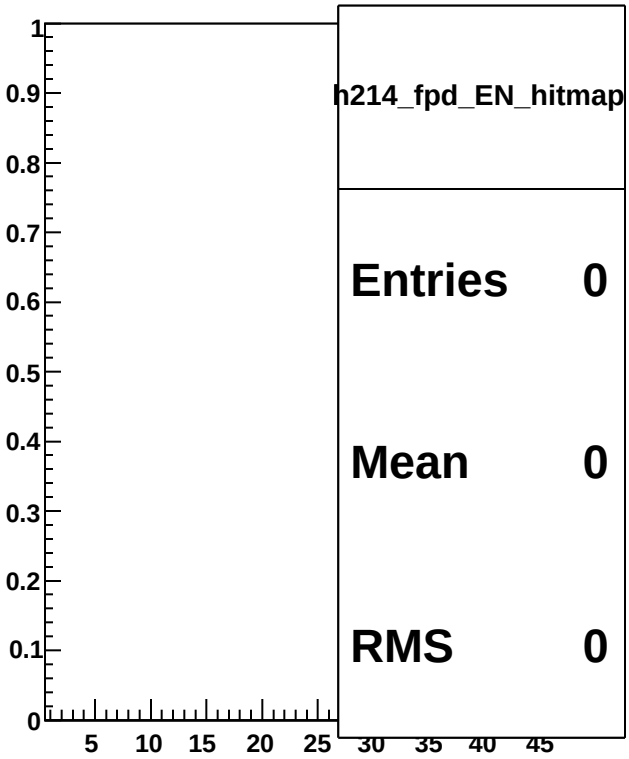

h209_fpd_EB_adcsum
Entries 0
Mean 0
RMS 0

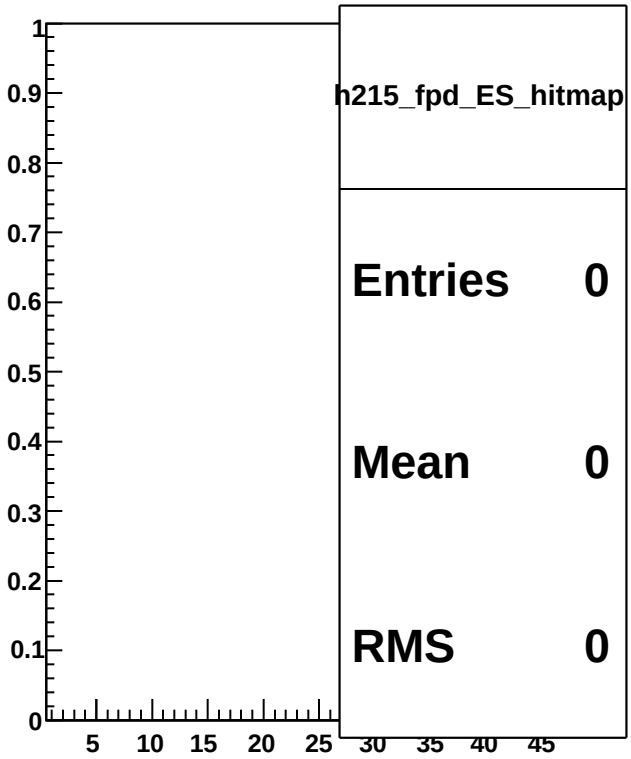

h210_fpd_WN_adcsum
Entries 0
Mean 0
RMS 0

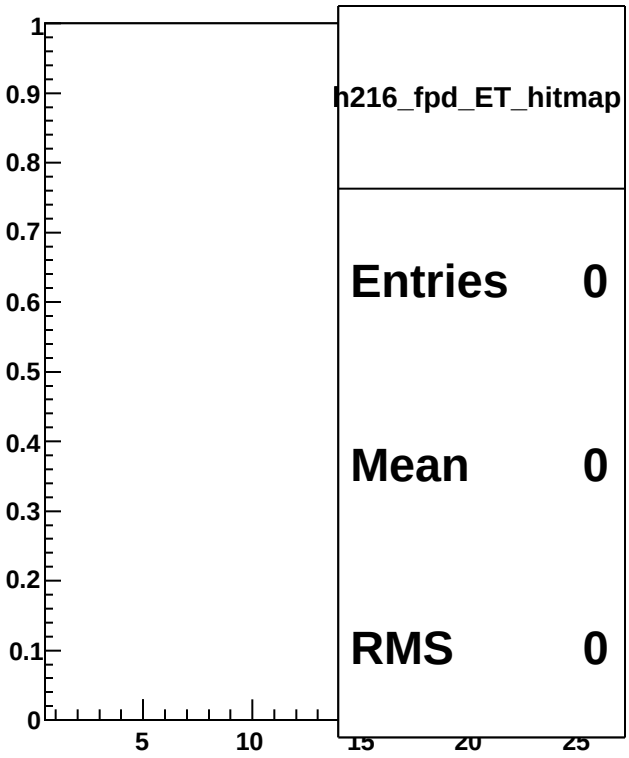

h211_fpd_WS_adcsum
Entries 0
Mean 0
RMS 0

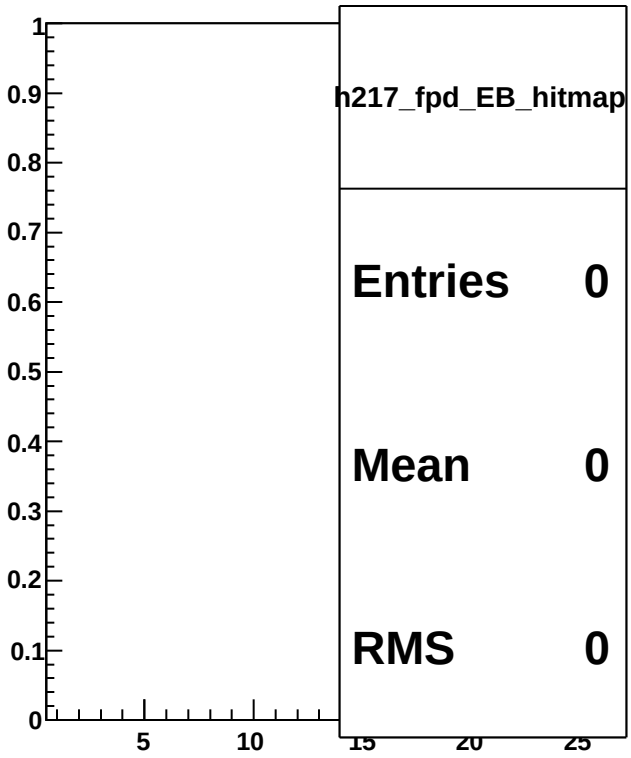

h212_fpd_WT_adcsum
Entries 0
Mean 0
RMS 0

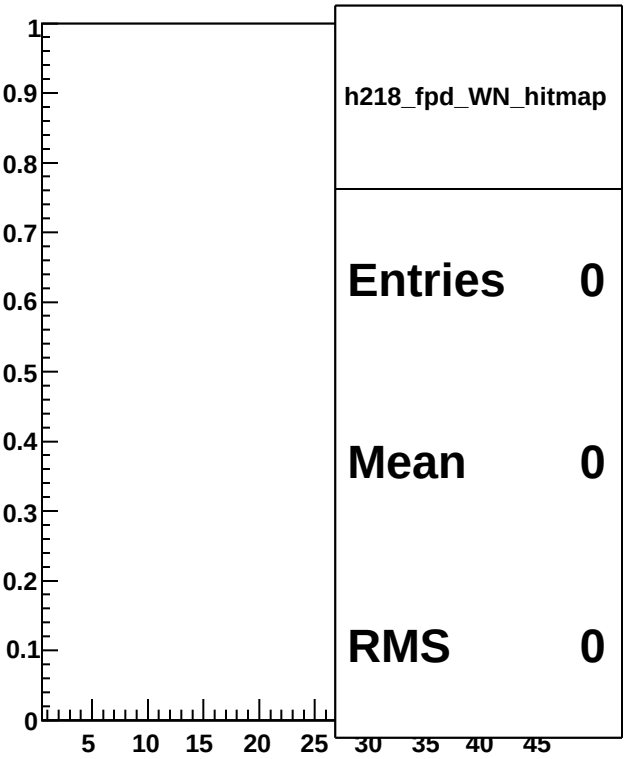

h213_fpd_WB_adcsum
Entries 0
Mean 0
RMS 0

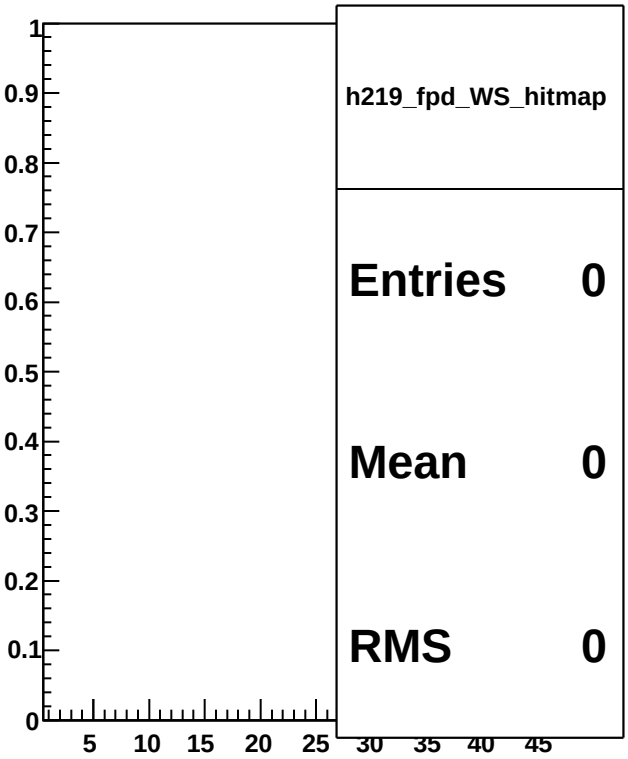

h214_fpd_EN_hitmap
Entries 0
Mean 0
RMS 0

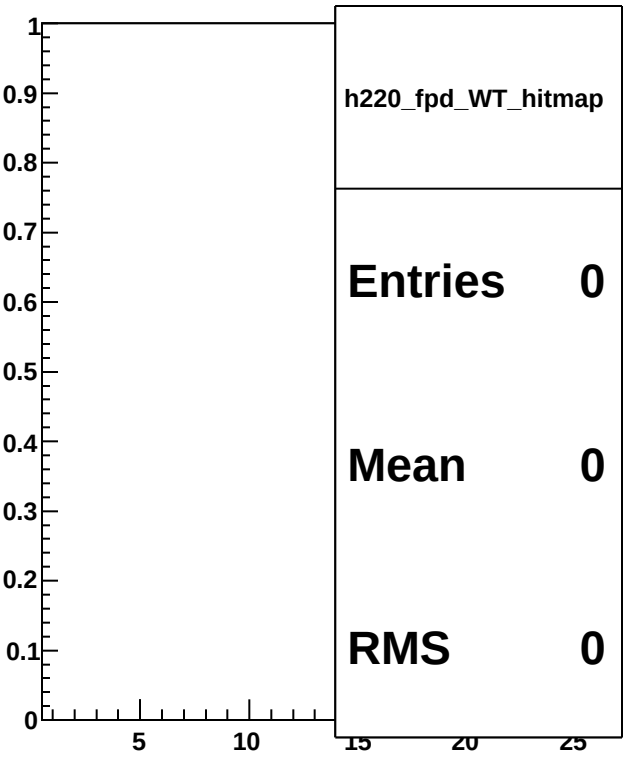

h215_fpd_ES_hitmap
Entries 0
Mean 0
RMS 0

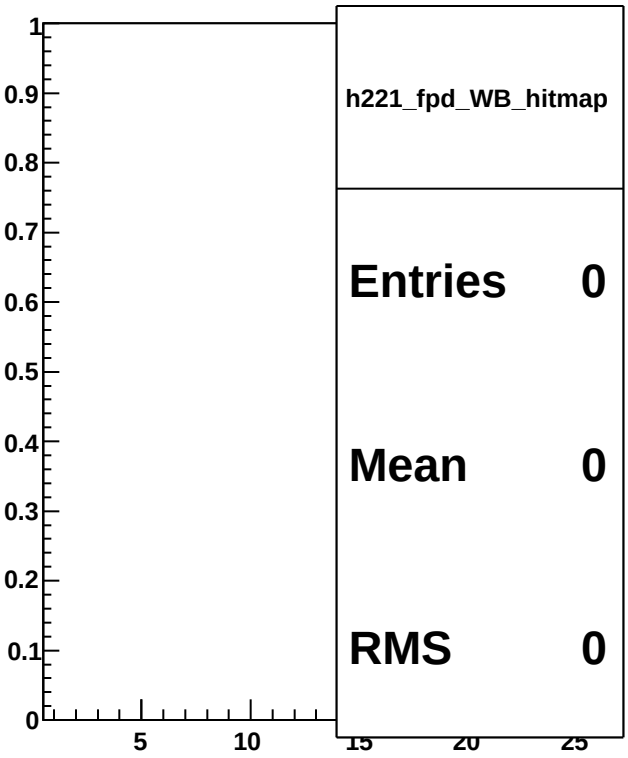

h216_fpd_ET_hitmap
Entries 0
Mean 0
RMS 0

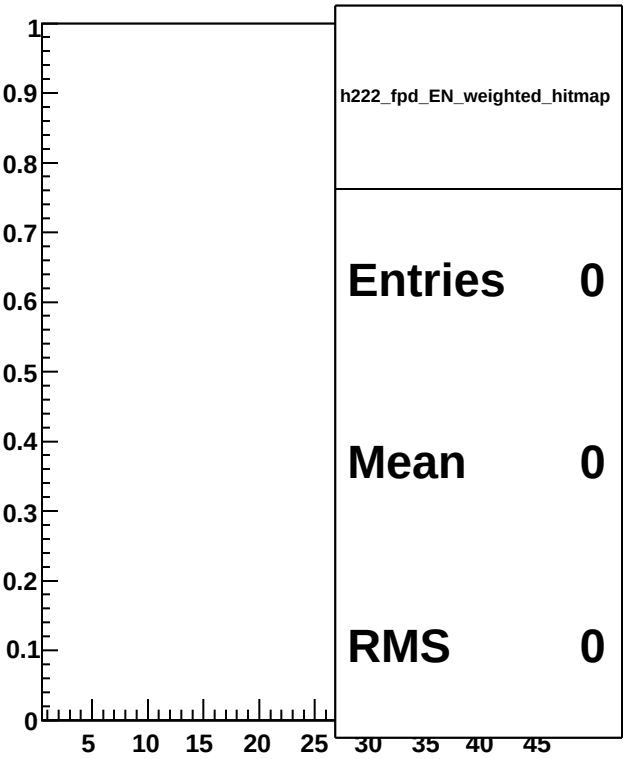

h217_fpd_EB_hitmap
Entries 0
Mean 0
RMS 0

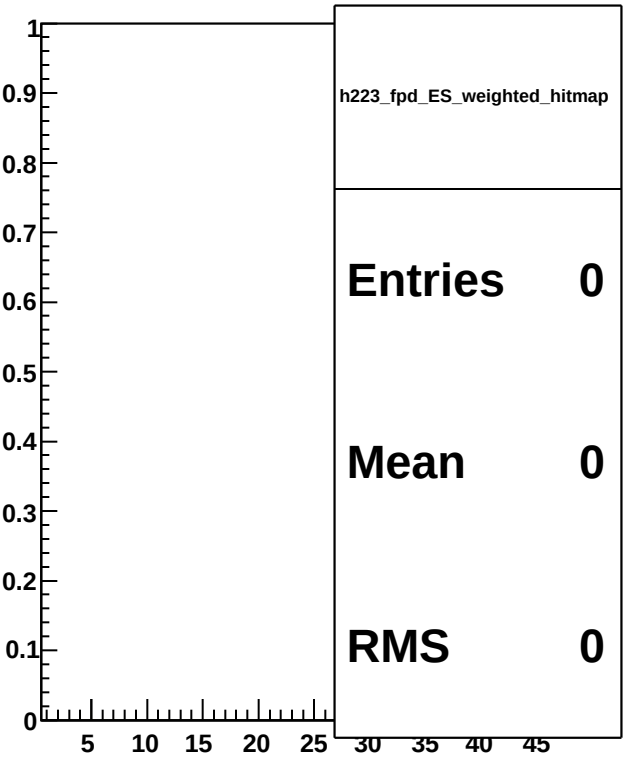

h218_fpd_WN_hitmap
Entries 0
Mean 0
RMS 0

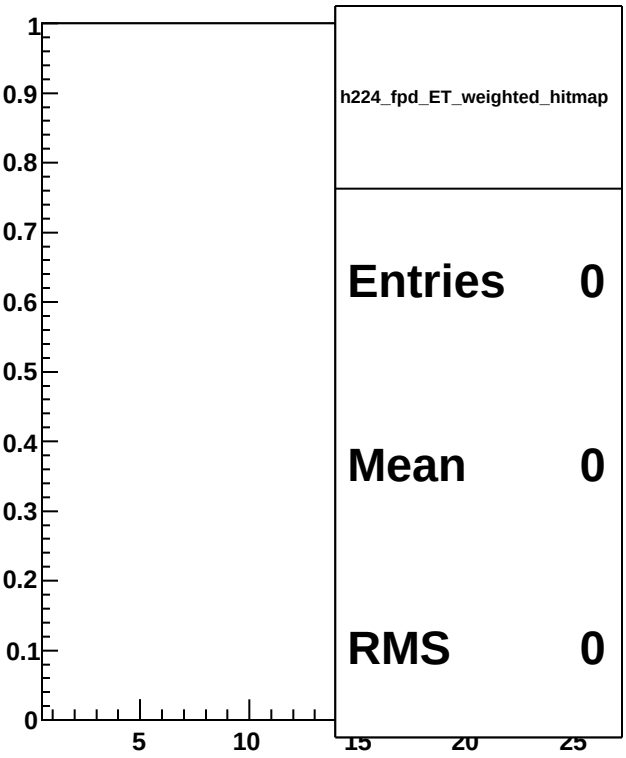

h219_fpd_WS_hitmap
Entries 0
Mean 0
RMS 0

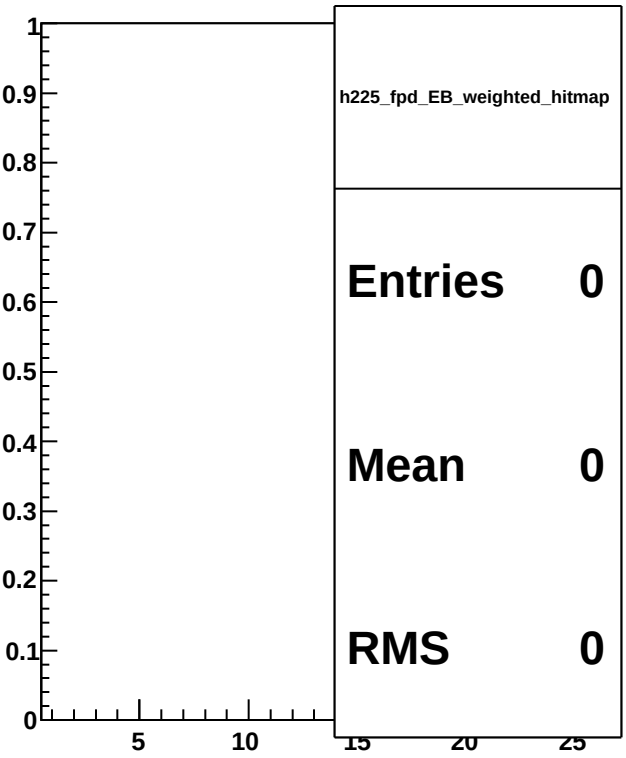

h220_fpd_WT_hitmap
Entries 0
Mean 0
RMS 0

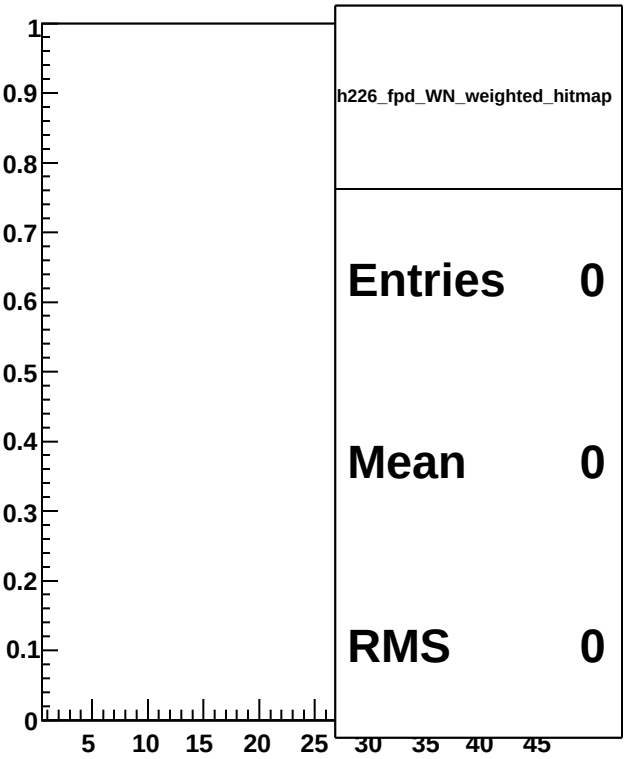

h221_fpd_WB_hitmap
Entries 0
Mean 0
RMS 0

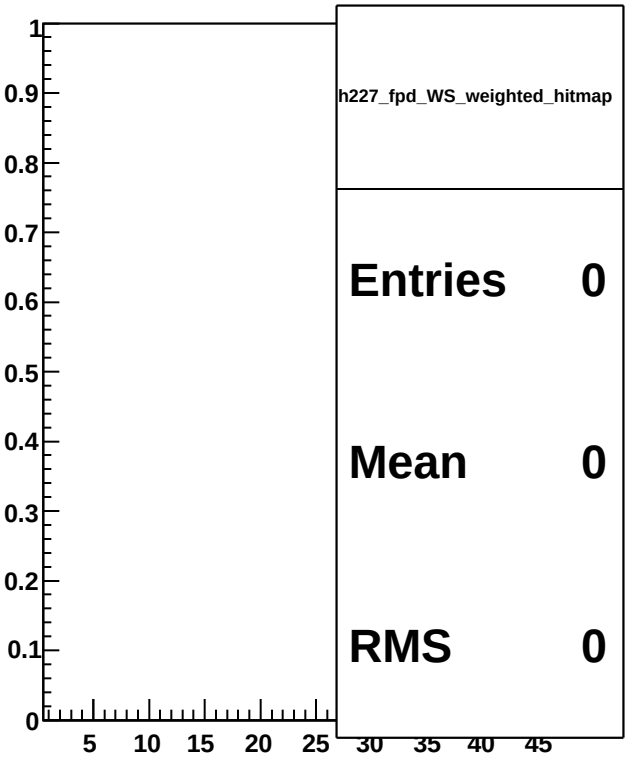

h222_fpd_EN_weighted_hitmap
Entries 0
Mean 0
RMS 0

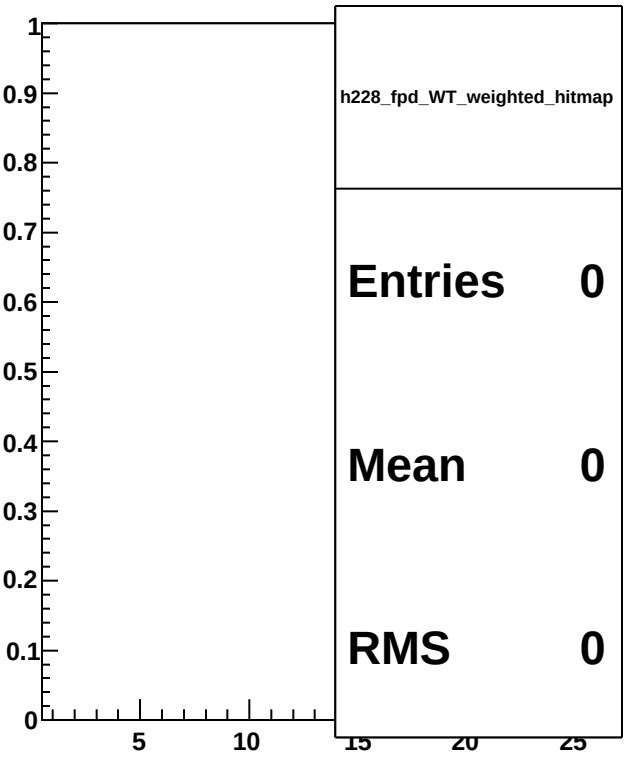

h223_fpd_ES_weighted_hitmap
Entries 0
Mean 0
RMS 0

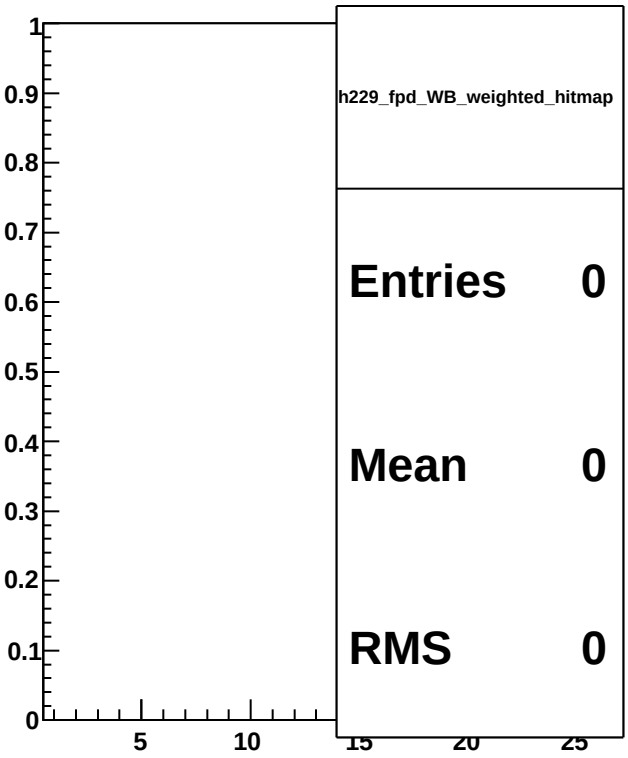

h224_fpd_ET_weighted_hitmap
Entries 0
Mean 0
RMS 0

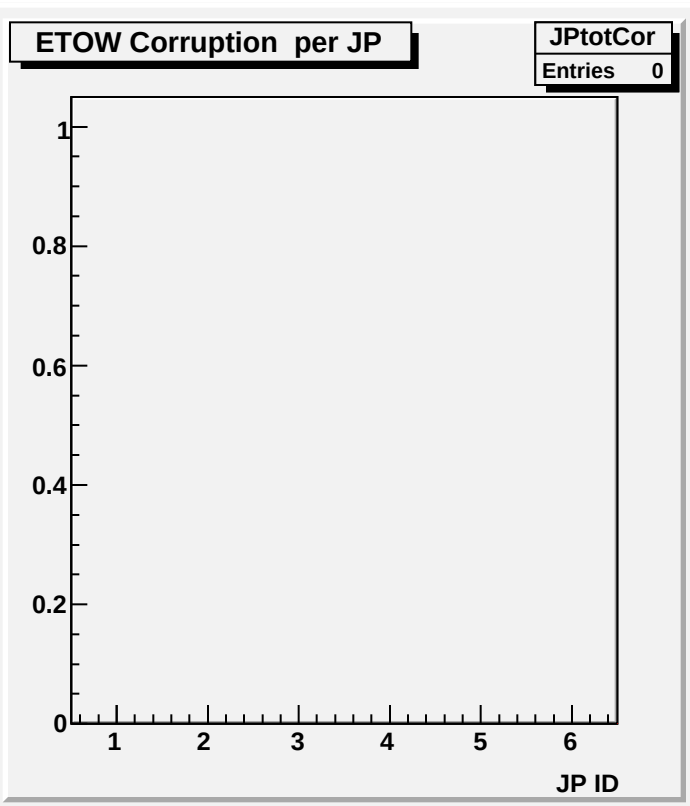

h225_fpd_EB_weighted_hitmap
Entries 0
Mean 0
RMS 0

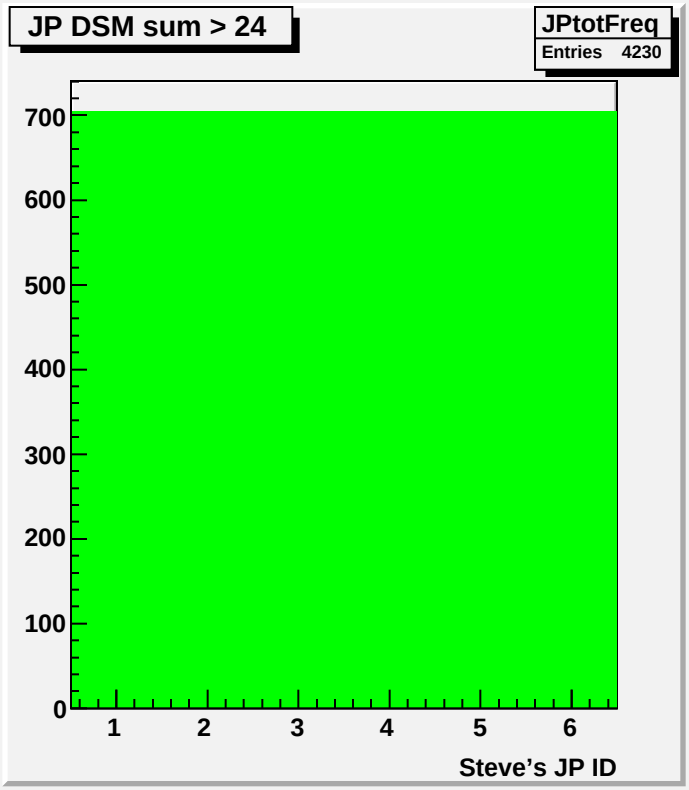

h226_fpd_WN_weighted_hitmap
Entries 0
Mean 0
RMS 0

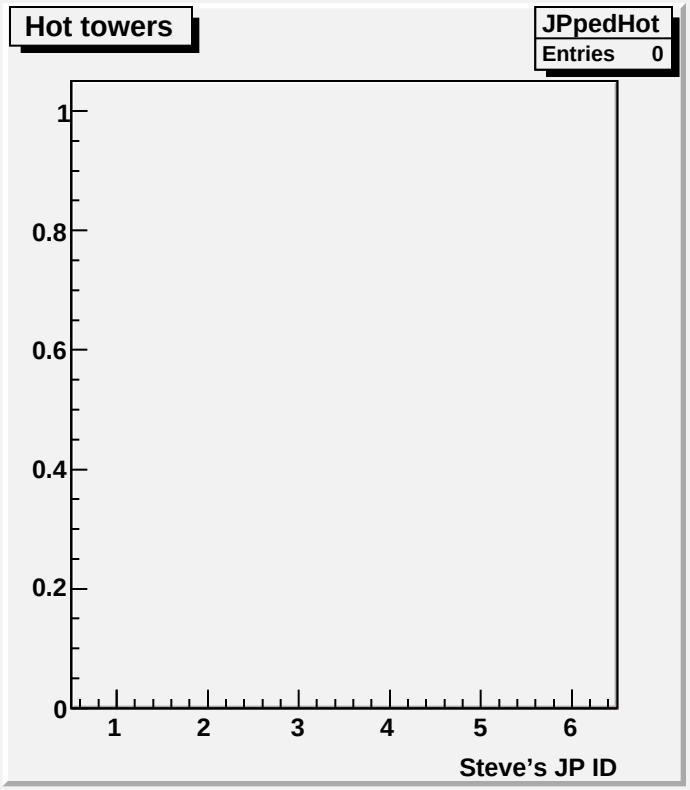

h227_fpd_WS_weighted_hitmap
Entries 0
Mean 0
RMS 0


h228_fpd_WT_weighted_hitmap
Entries 0
Mean 0
RMS 0


h229_fpd_WB_weighted_hitmap
Entries 0
Mean 0
RMS 0

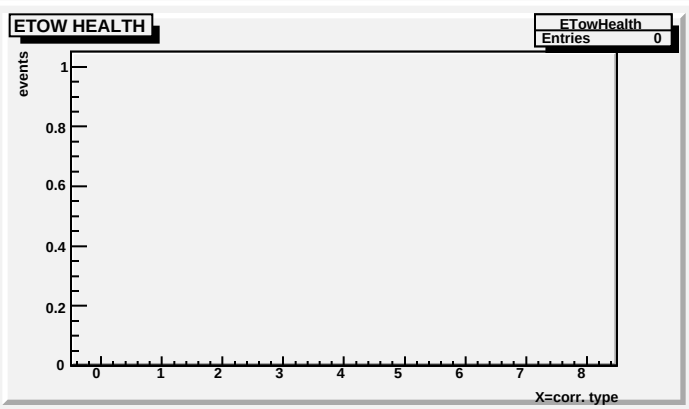


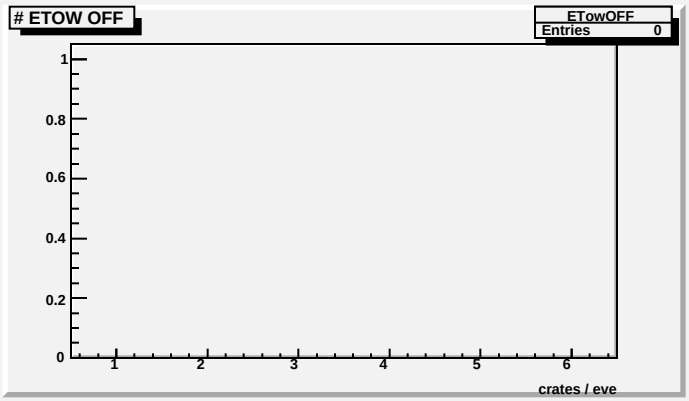



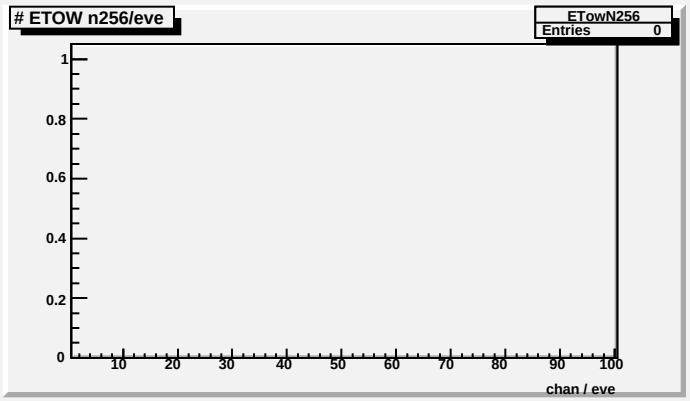

**ETOW masked (cr-ch-name): 1-97-12TC05, 4-117-07TC05, 4-18-06TA03, 2-98-02TC06, 6-67-11TB08,**

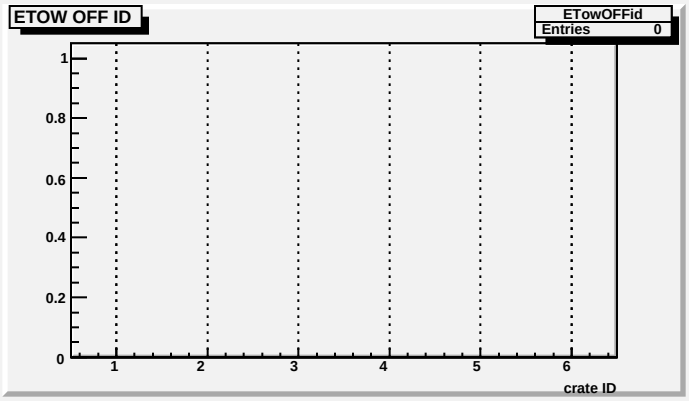
**--**

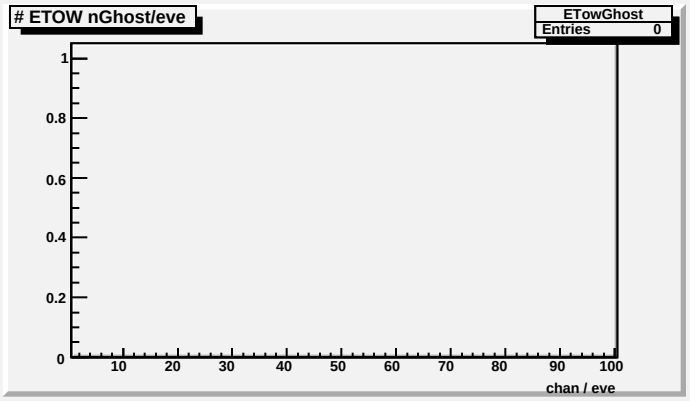

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

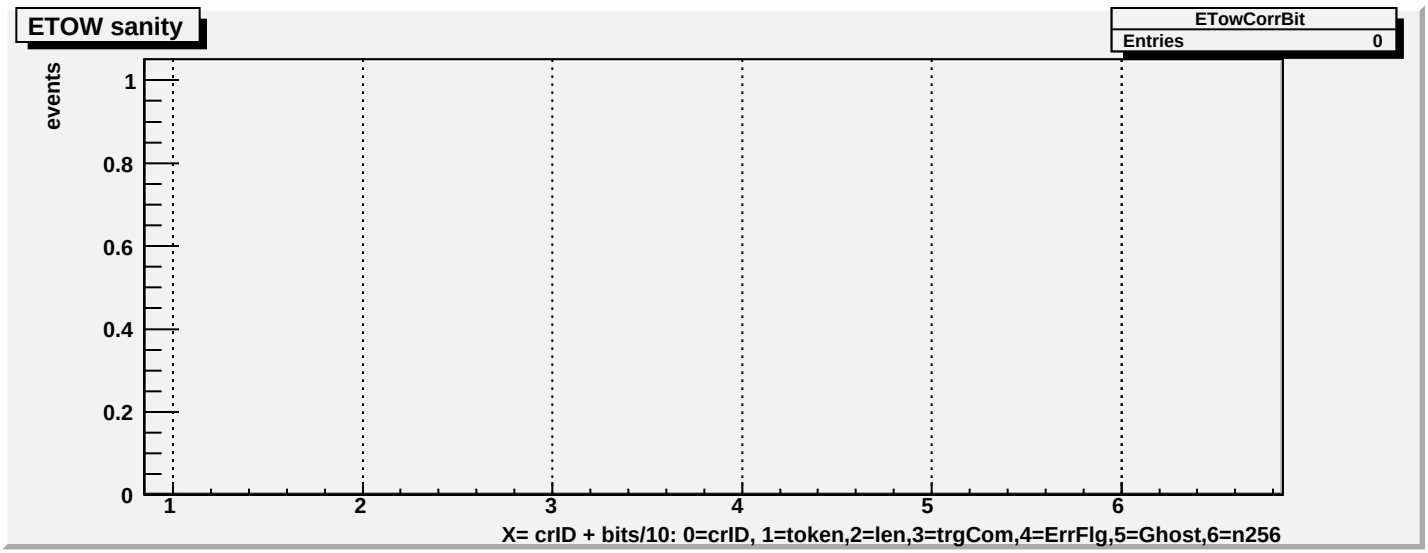
# ETOW head corr
ETowHeadCorr
Entries 0
crates / eve

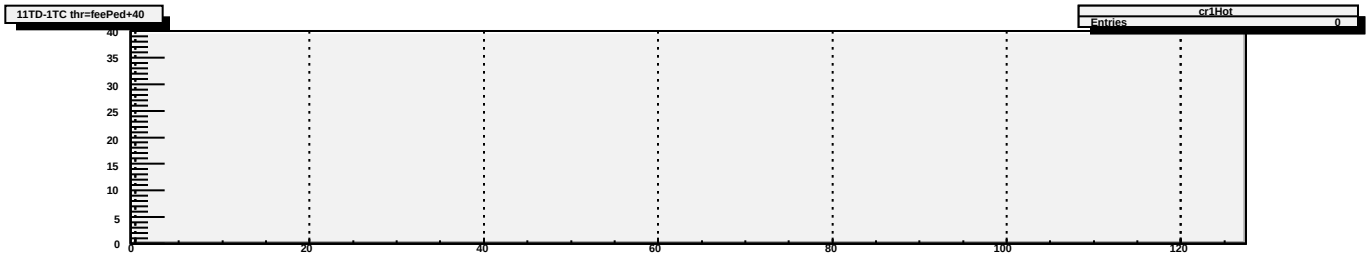

# ETOW OFF
ETowOFF
Entries 0
crates / eve

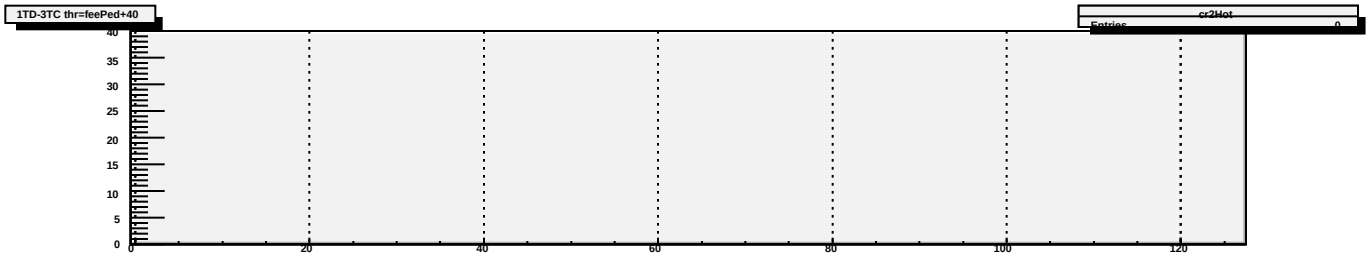

# ETOW n256/eve
ETowN256
Entries 0
chan / eve

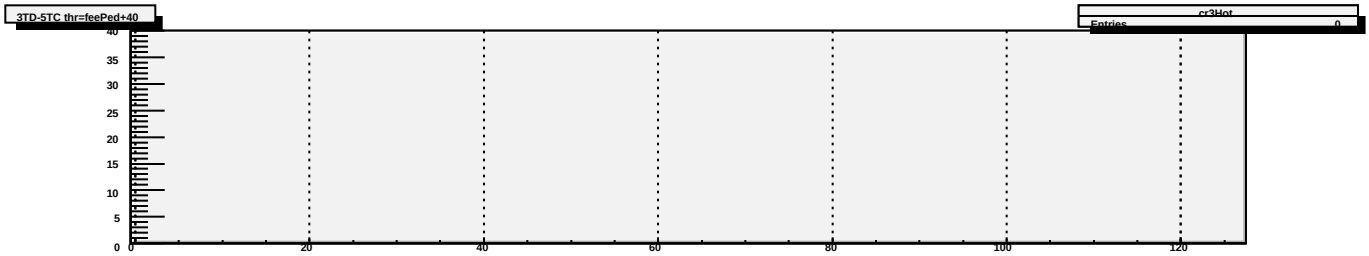

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

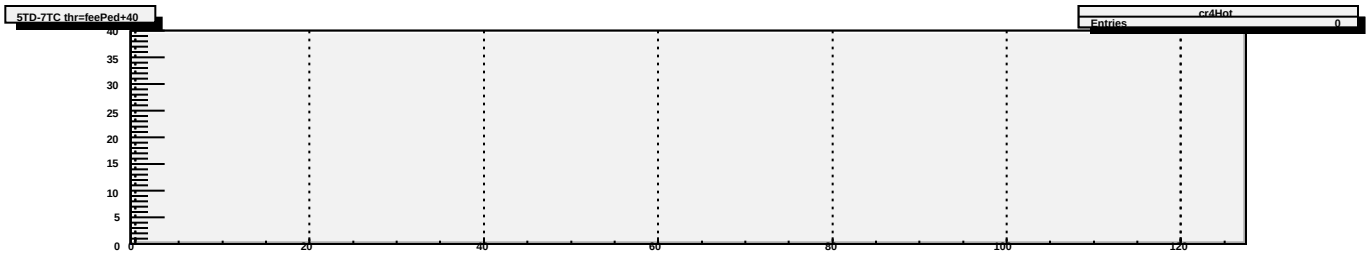

# ETOW nGhost/eve
ETowGhost
Entries 0
chan / eve

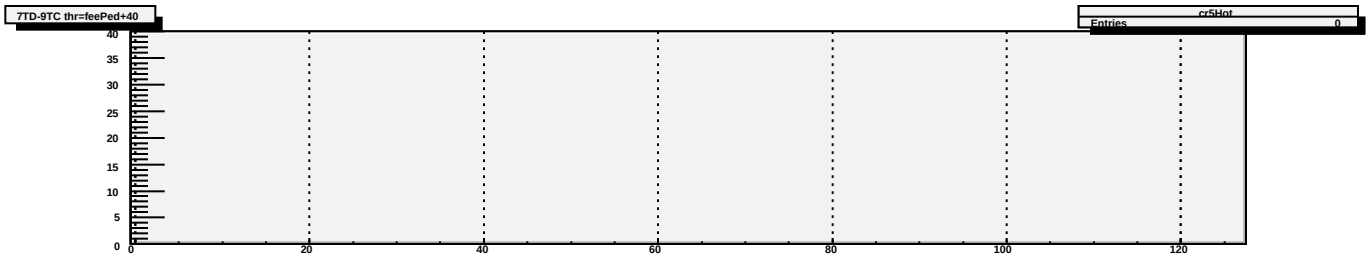

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

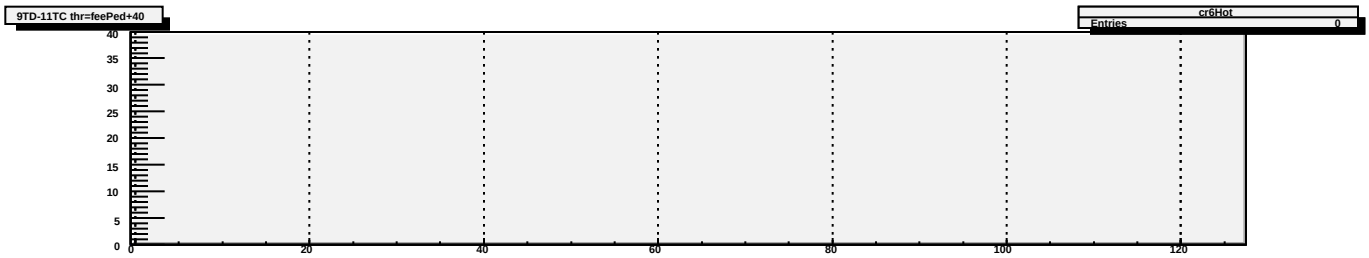

11TD-1TC thr=feePed+40
cr1Hot
Entries 0

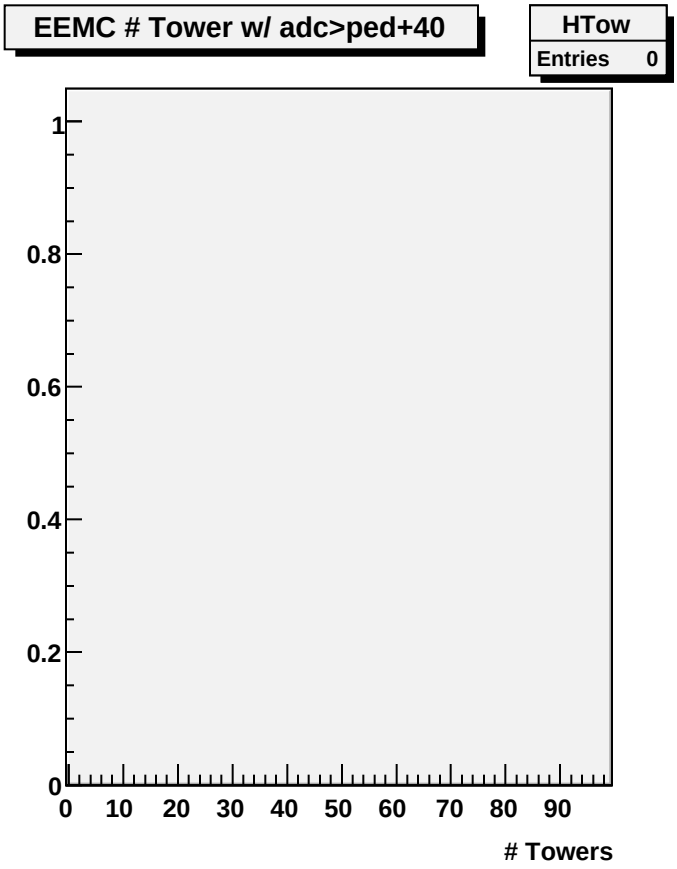

1TD-3TC thr=feePed+40
cr2Hot
Entries 0

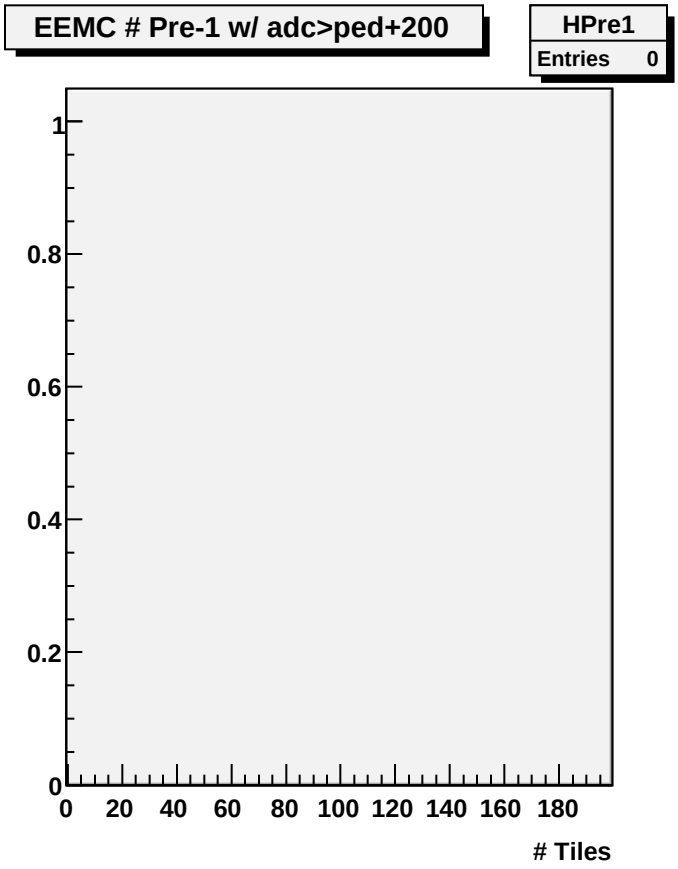

3TD-5TC thr=feePed+40
cr3Hot
Entries 0

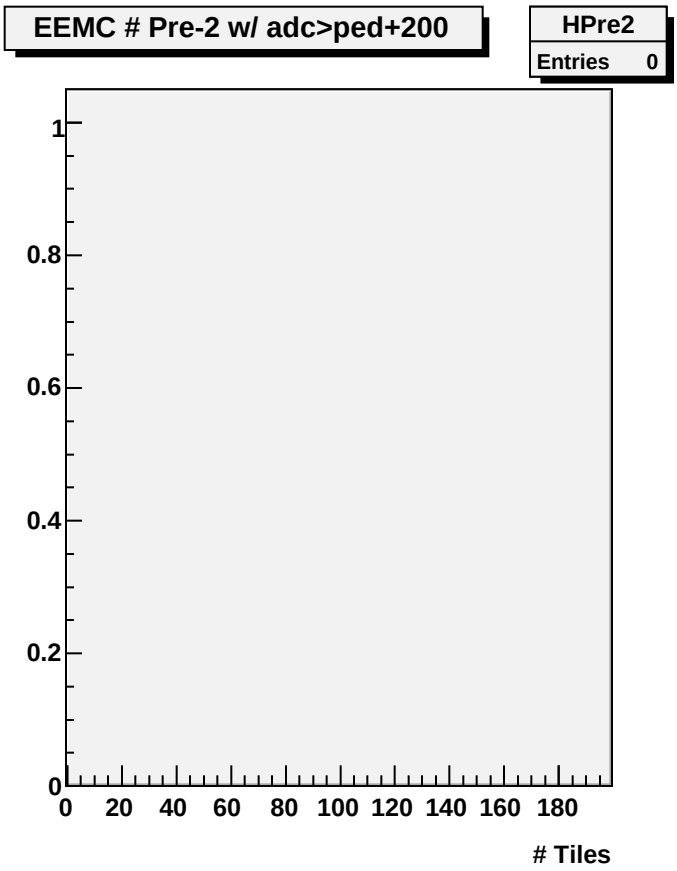

5TD-7TC thr=feePed+40
cr4Hot
Entries 0

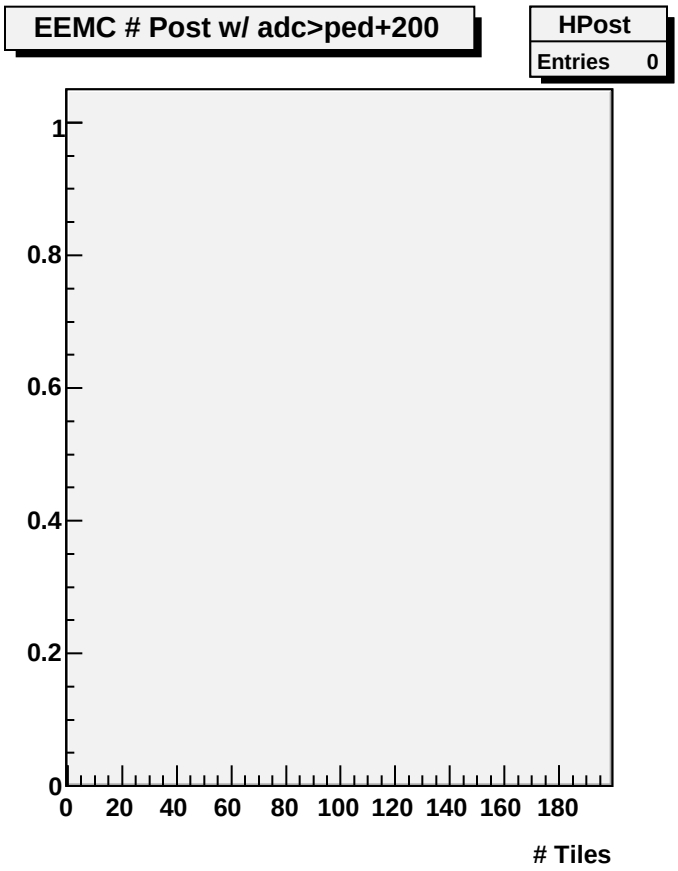

7TD-9TC thr=feePed+40
cr5Hot
Entries 0

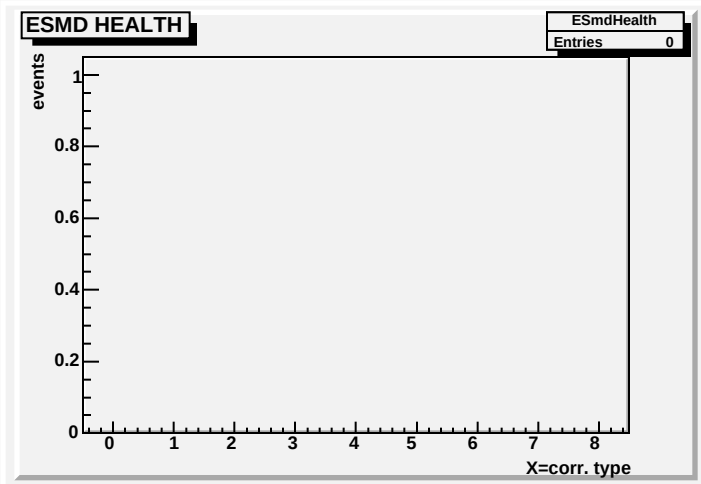

9TD-11TC thr=feePed+40
cr6Hot
Entries 0

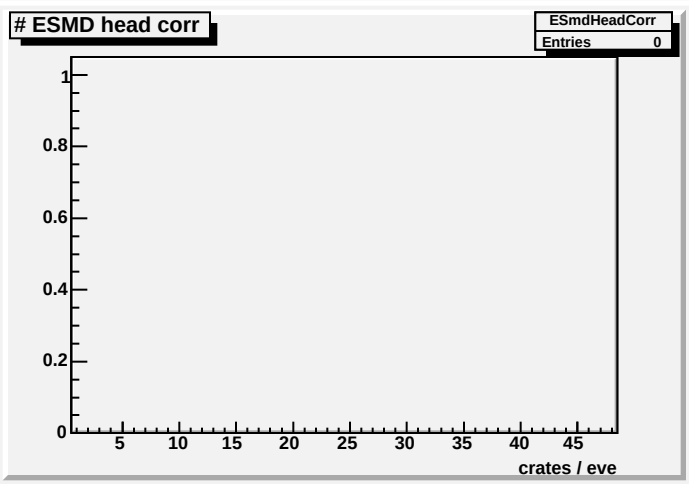

EEMC # Tower w/ adc>ped+40
HTow
Entries 0
1
0.8
0.6
0.4
0.2
0
0 10 20 30 40 50 60 70 80 90
# Towers

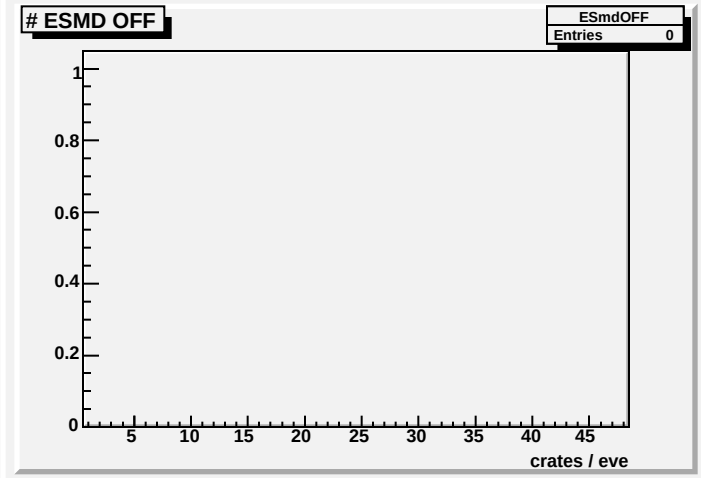

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
# Tiles

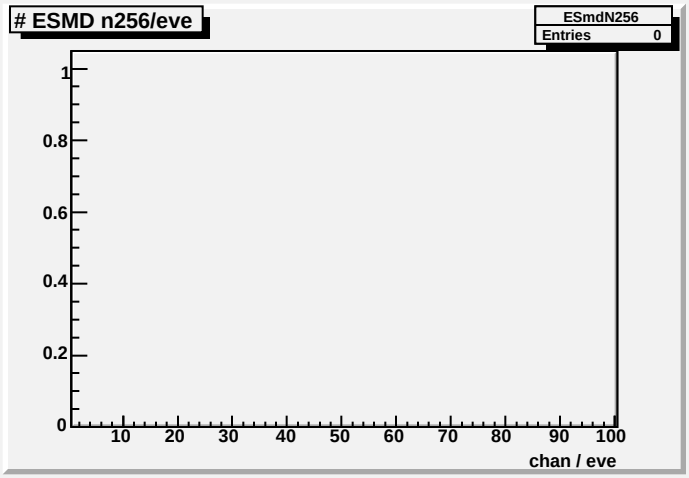

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
# Tiles

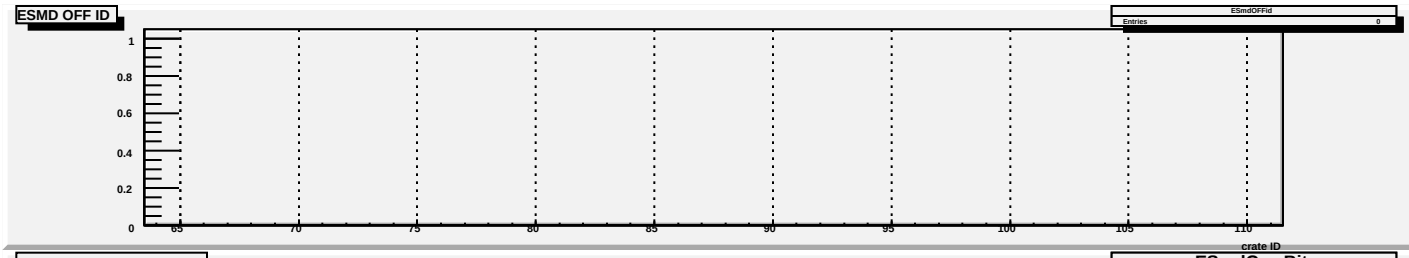

EEMC # Post w/ adc>ped+200
HPost
Entries 0
1
0.8
0.6
0.4
0.2
0
0 20 40 60 80 100 120 140 160 180
# Tiles

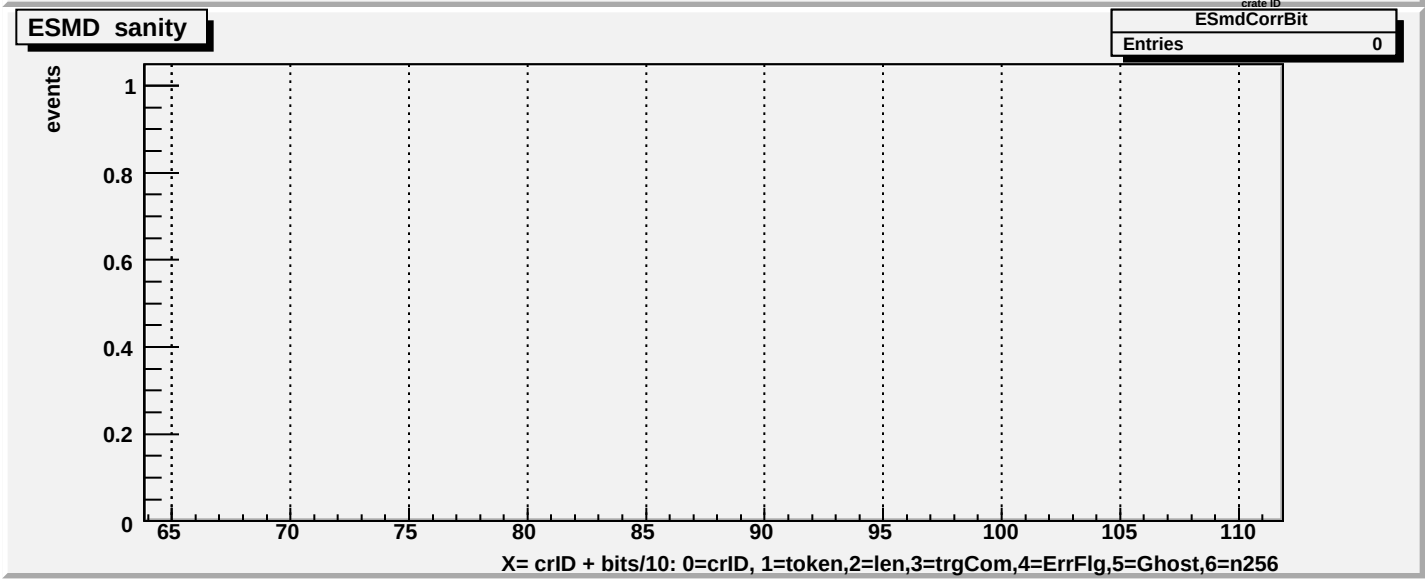

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

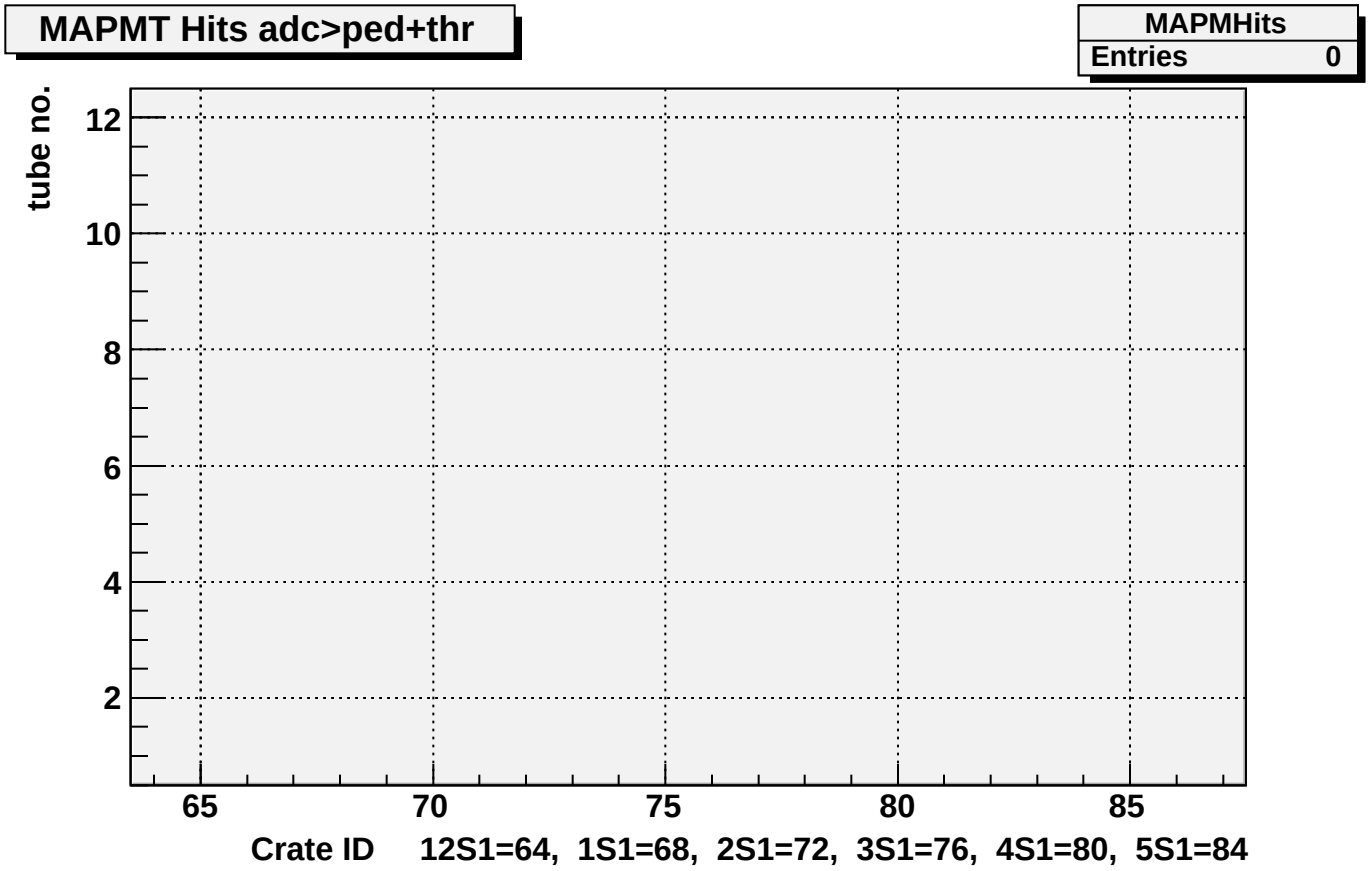

# ESMD head corr
ESmdHeadCorr
Entries 0
crates / eve

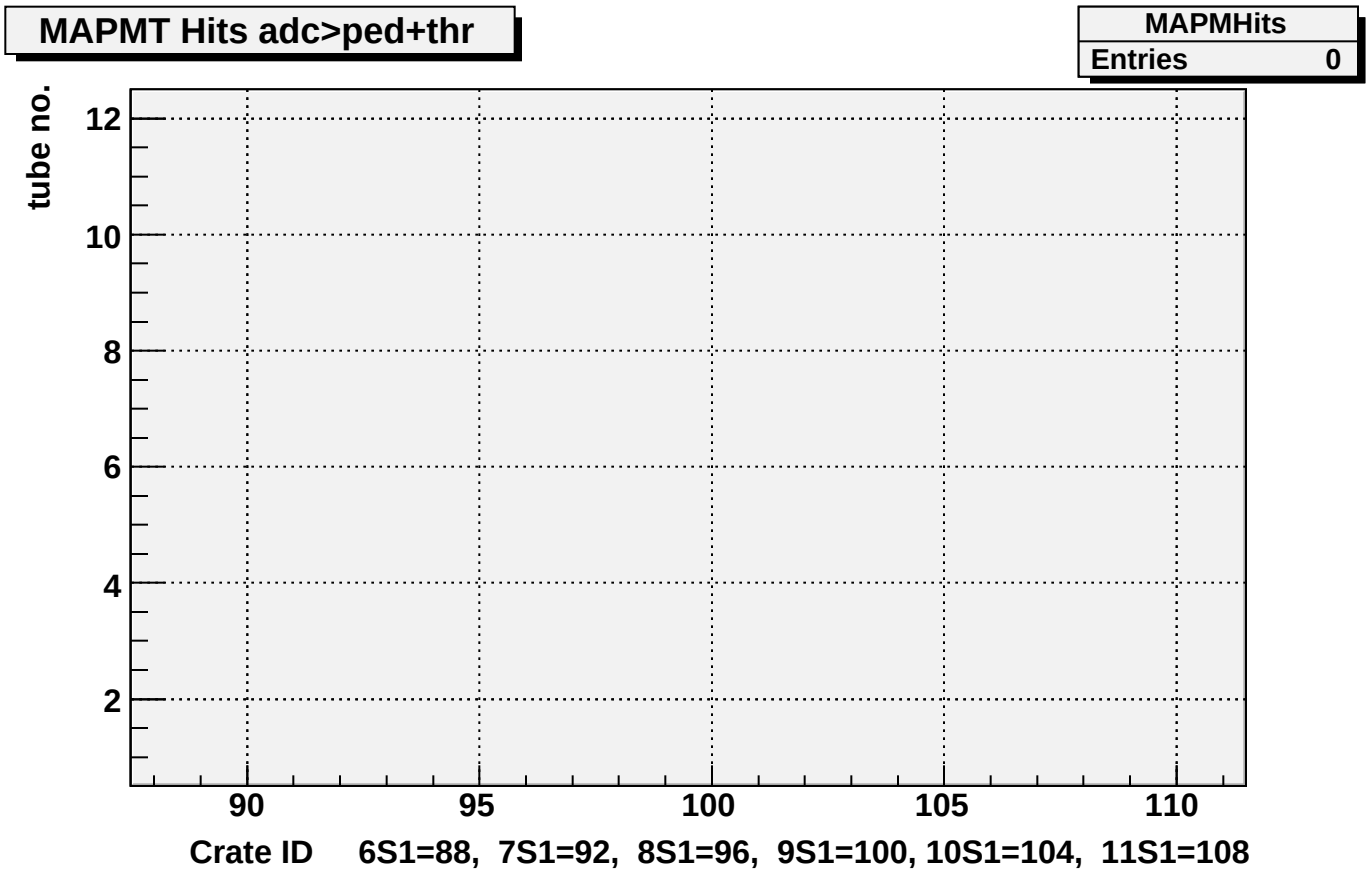

# ESMD OFF
ESmdOFF
Entries 0
crates / eve

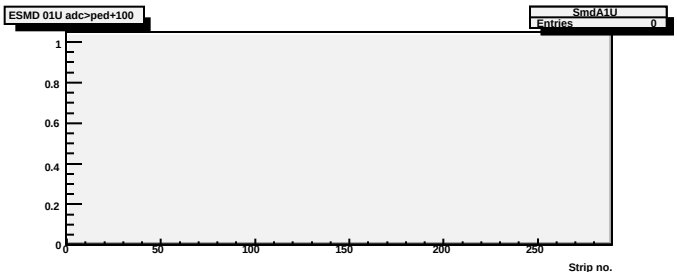

# ESMD n256/eve
ESmdN256
Entries 0
chan / eve

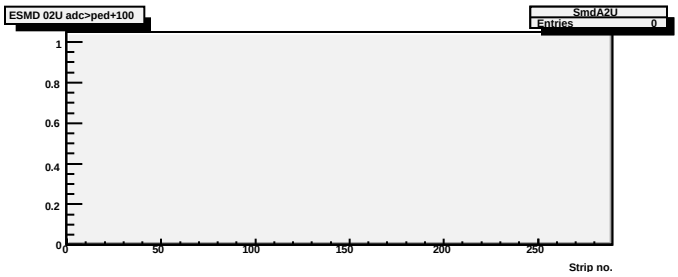

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

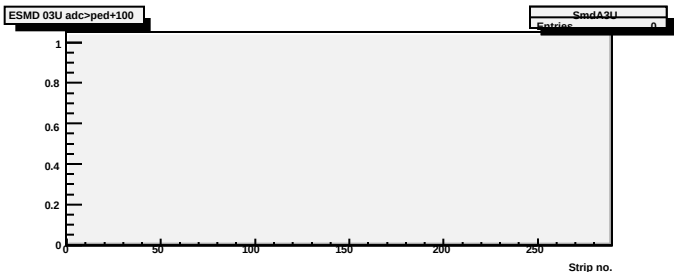

ESMD sanity
ESmdCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

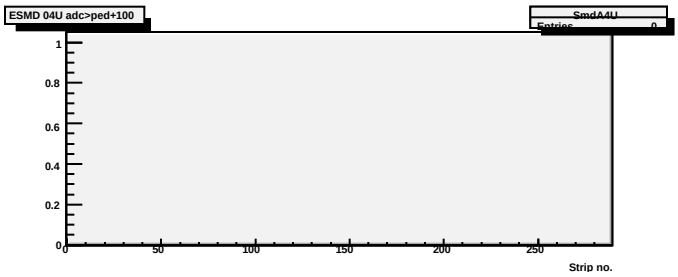

MAPMT Hits adc>ped+thr
MAPMHits
Entries 0
tube no.
12
10
8
6
4
2
65
70
75
80
85
Crate ID 12S1=64, 1S1=68, 2S1=72, 3S1=76, 4S1=80, 5S1=84

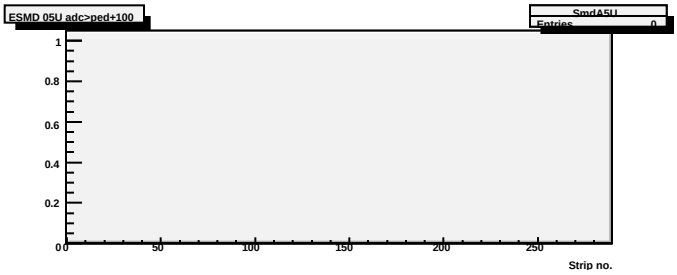

MAPMT Hits adc>ped+thr
MAPMHits
Entries 0
tube no.
12
10
8
6
4
2
90
95
100
105
110
Crate ID 6S1=88, 7S1=92, 8S1=96, 9S1=100, 10S1=104, 11S1=108

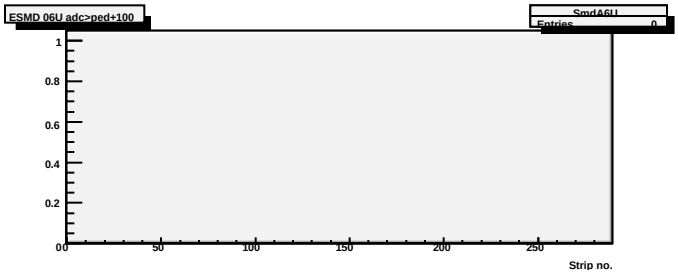

ESMD 01U adc>ped+100
SmdA1U
Entries 0
Strip no.

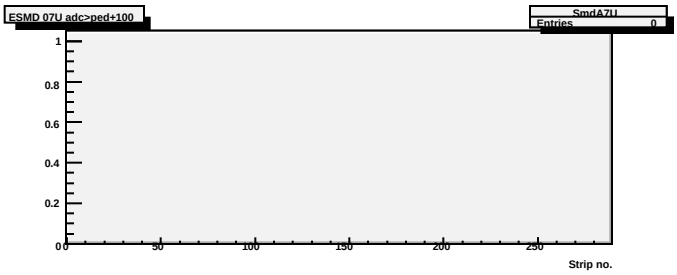

ESMD 02U adc>ped+100
SmdA2U
Entries 0
Strip no.

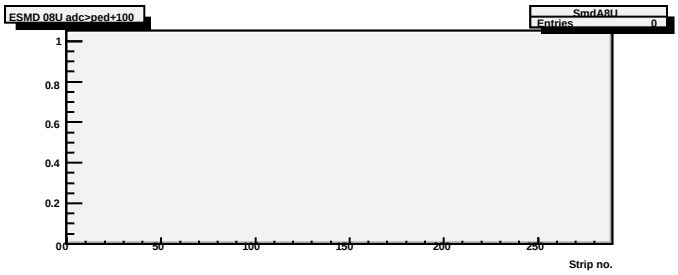

ESMD 03U adc>ped+100
SmdA3U
Entries 0
Strip no.

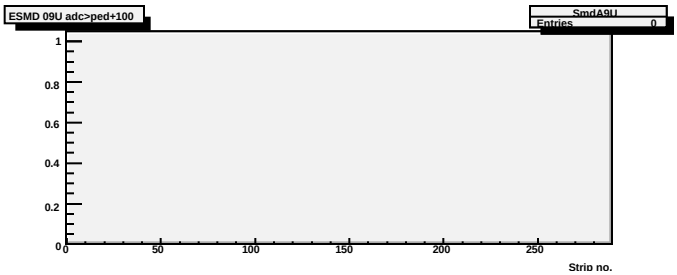

ESMD 04U adc>ped+100
SmdA4U
Entries 0
Strip no.

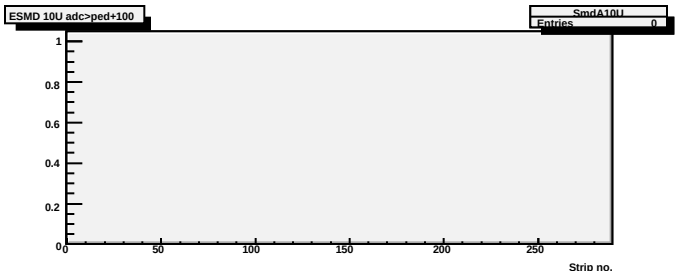

ESMD 05U adc>ped+100
SmdA5U
Entries 0
Strip no.

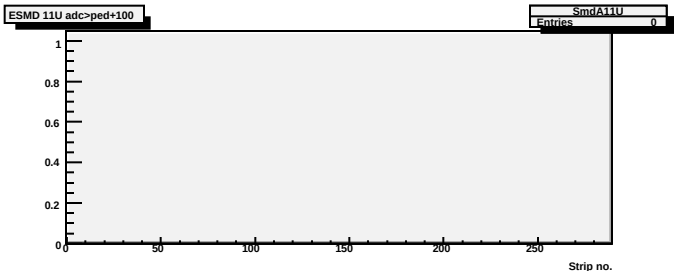

ESMD 06U adc>ped+100
SmdA6U
Entries 0
Strip no.

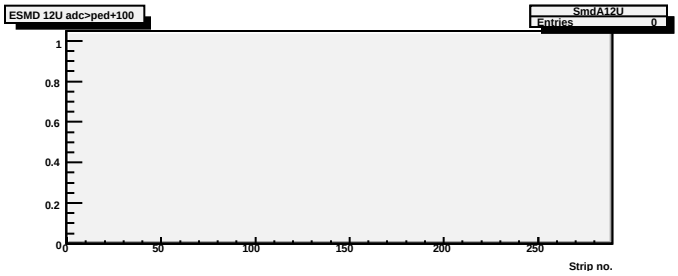

ESMD 07U adc>ped+100
SmdA7U
Entries 0
Strip no.

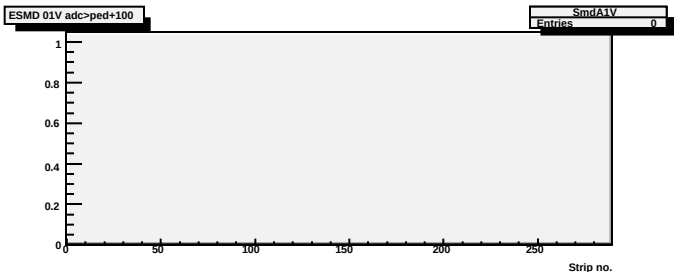

ESMD 08U adc>ped+100
SmdA8U
Entries 0
Strip no.

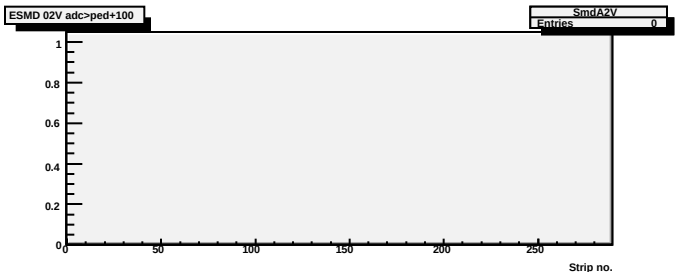

ESMD 09U adc>ped+100
SmdA9U
Entries 0
Strip no.

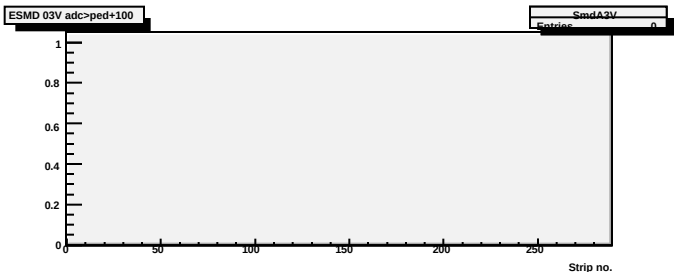

ESMD 10U adc>ped+100
SmdA10U
Entries 0
Strip no.

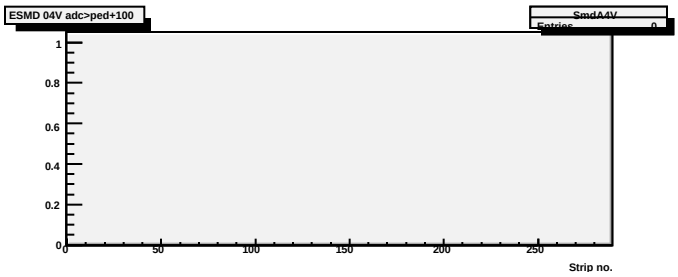

ESMD 11U adc>ped+100
SmdA11U
Entries 0
Strip no.

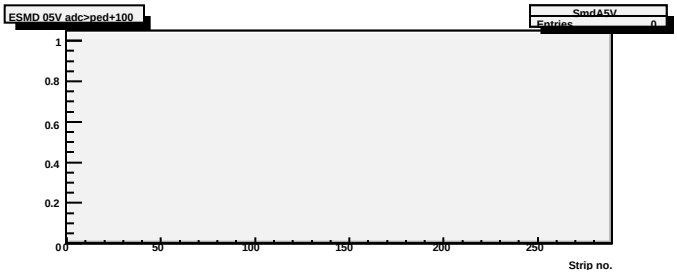

ESMD 12U adc>ped+100
SmdA12U
Entries 0
Strip no.

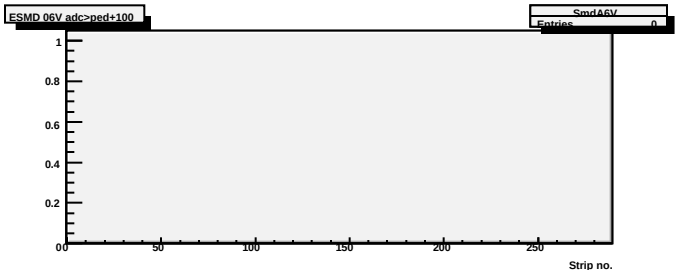

ESMD 01V adc>ped+100
SmdA1V
Entries 0
Strip no.

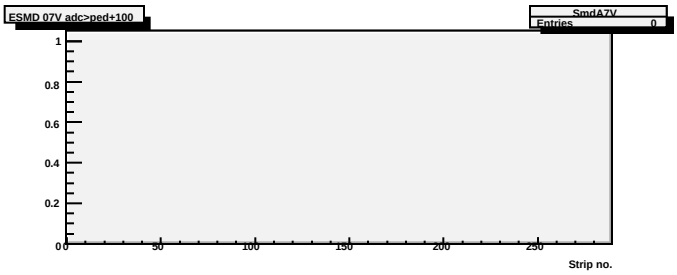

ESMD 02V adc>ped+100
SmdA2V
Entries 0
Strip no.

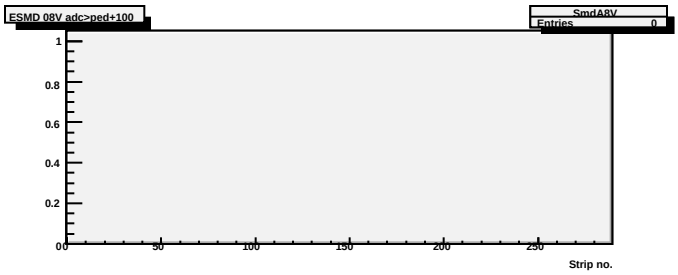

ESMD 03V adc>ped+100
SmdA3V
Entries 0
Strip no.

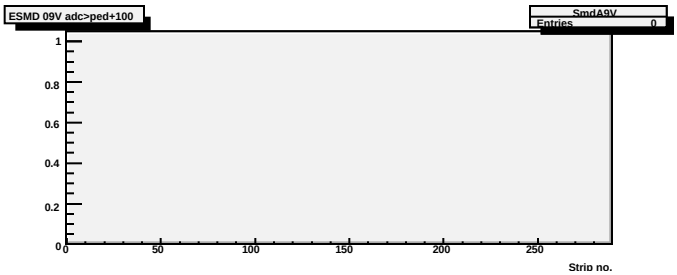

ESMD 04V adc>ped+100
SmdA4V
Entries 0
Strip no.

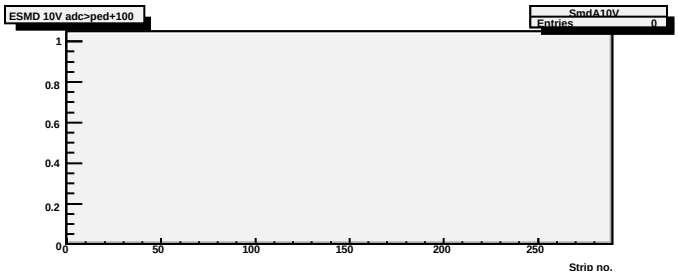

ESMD 05V adc>ped+100
SmdA5V
Entries 0
Strip no.

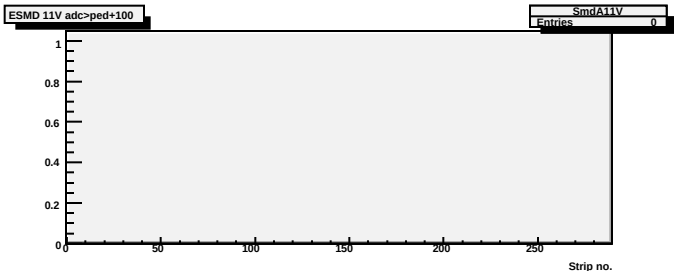

ESMD 06V adc>ped+100
SmdA6V
Entries 0
Strip no.

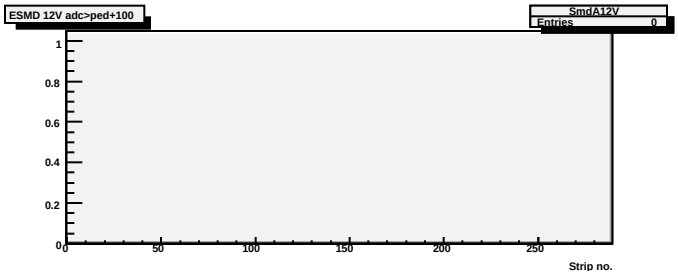

ESMD 07V adc>ped+100
SmdA7V
Entries 0
Strip no.

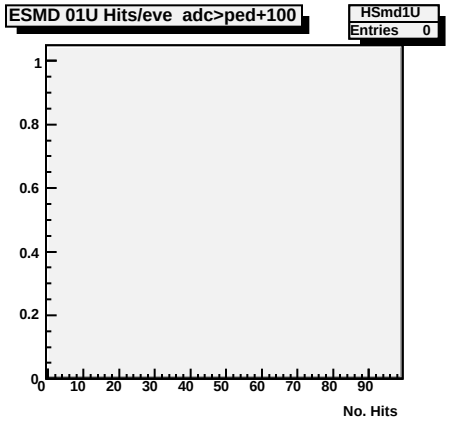

ESMD 08V adc>ped+100
SmdA8V
Entries 0
Strip no.

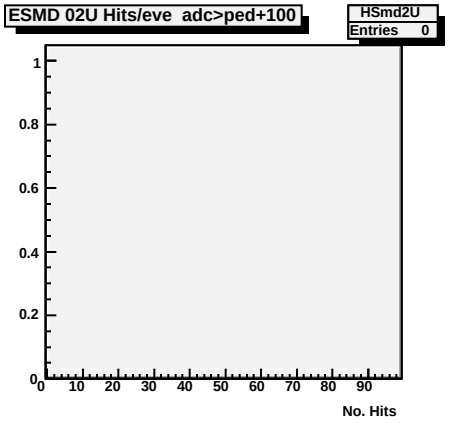

ESMD 09V adc>ped+100
SmdA9V
Entries 0
Strip no.

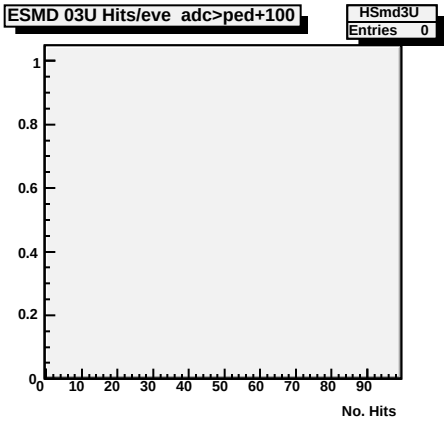

ESMD 10V adc>ped+100
SmdA10V
Entries 0
Strip no.

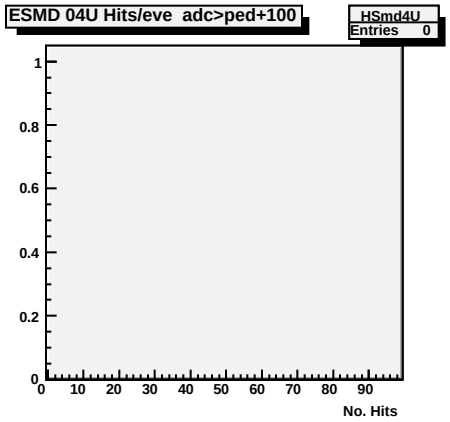

ESMD 11V adc>ped+100
SmdA11V
Entries 0
Strip no.

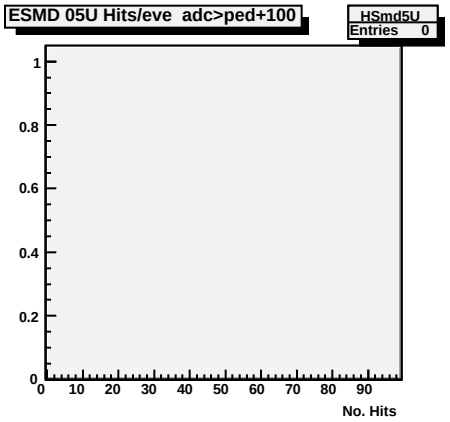

ESMD 12V adc>ped+100
SmdA12V
Entries 0
Strip no.

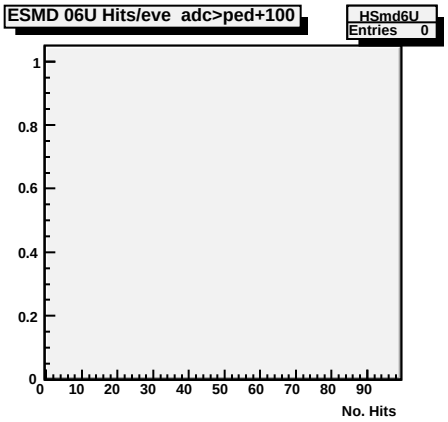

ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 0
No. Hits

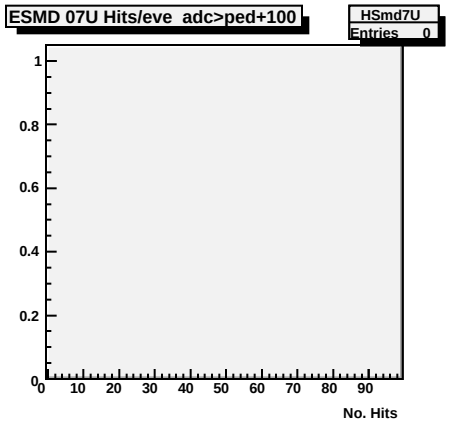

ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 0
No. Hits

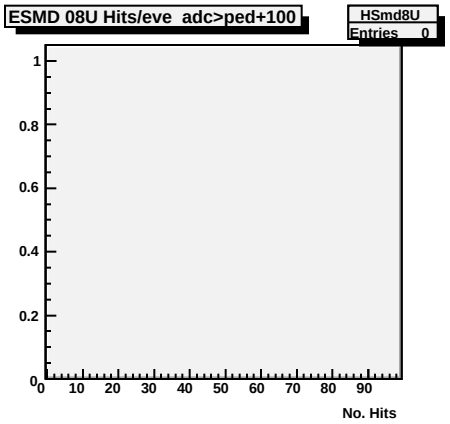

ESMD 03U Hits/eve adc>ped+100
HSmd3U
Entries 0
No. Hits

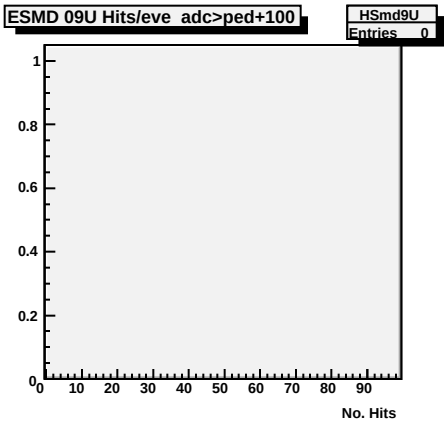

ESMD 04U Hits/eve adc>ped+100
HSmd4U
Entries 0
No. Hits

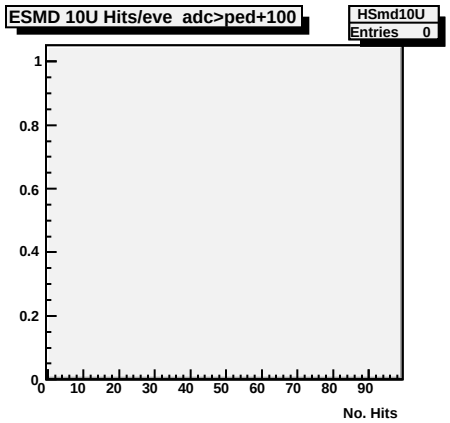

ESMD 05U Hits/eve adc>ped+100
HSmd5U
Entries 0
No. Hits

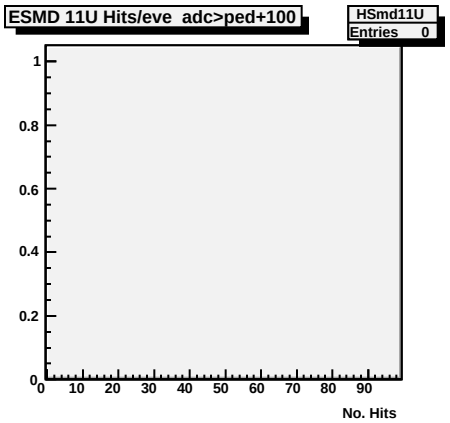

ESMD 06U Hits/eve adc>ped+100
HSmd6U
Entries 0
No. Hits

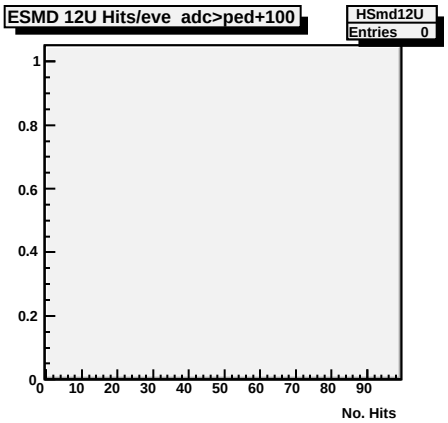

ESMD 07U Hits/eve adc>ped+100
HSmd7U
Entries 0
No. Hits

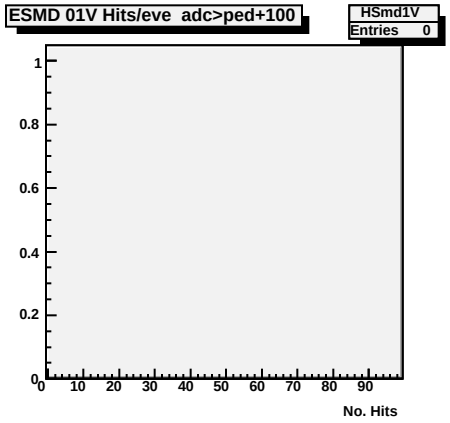

ESMD 08U Hits/eve adc>ped+100
HSmd8U
Entries 0
No. Hits

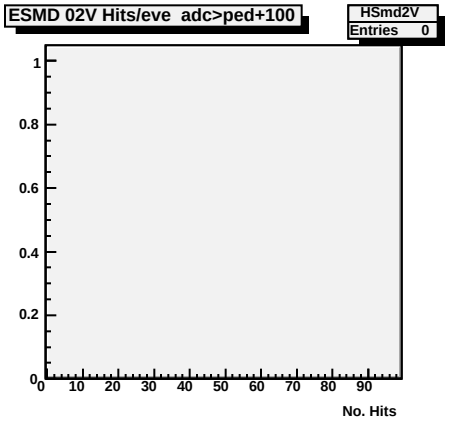

ESMD 09U Hits/eve adc>ped+100
HSmd9U
Entries 0
No. Hits

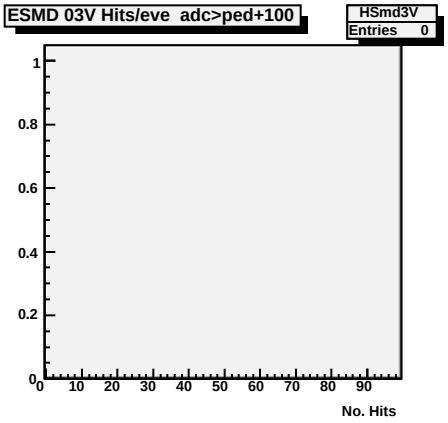

ESMD 10U Hits/eve adc>ped+100
HSmd10U
Entries 0
No. Hits

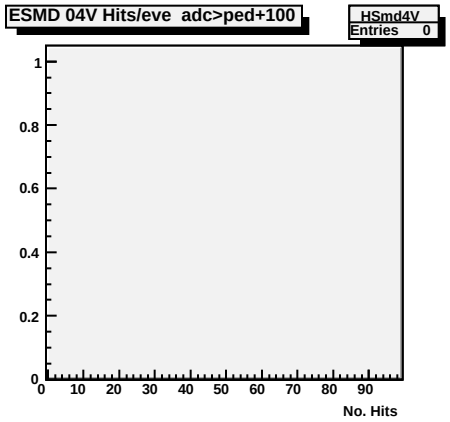

ESMD 11U Hits/eve adc>ped+100
HSmd11U
Entries 0
No. Hits

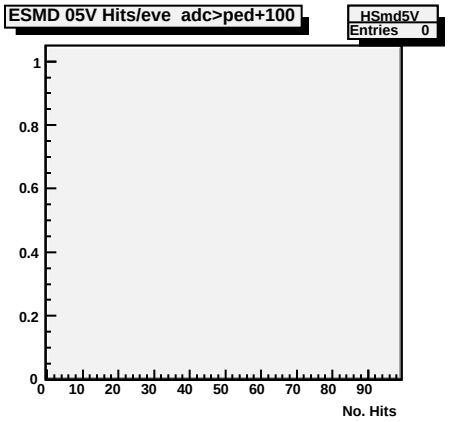

ESMD 12U Hits/eve adc>ped+100
HSmd12U
Entries 0
No. Hits

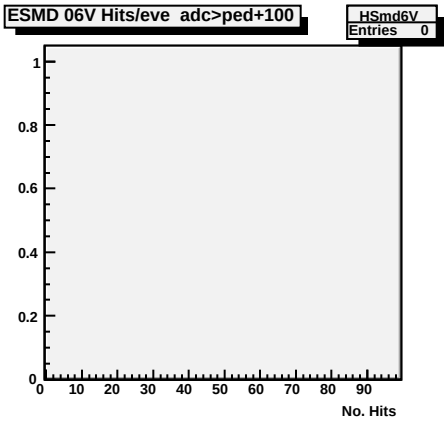

ESMD 01V Hits/eve adc>ped+100
HSmd1V
Entries 0
No. Hits

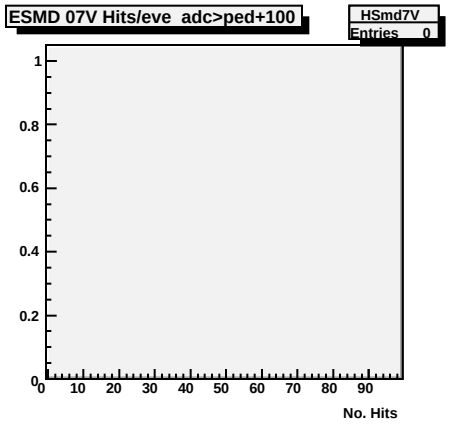

ESMD 02V Hits/eve adc>ped+100
HSmd2V
Entries 0
No. Hits

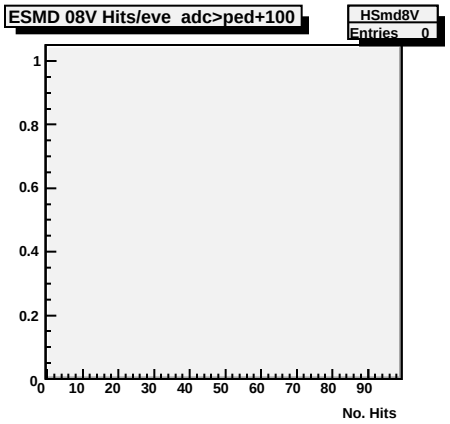

ESMD 03V Hits/eve adc>ped+100
HSmd3V
Entries 0
No. Hits

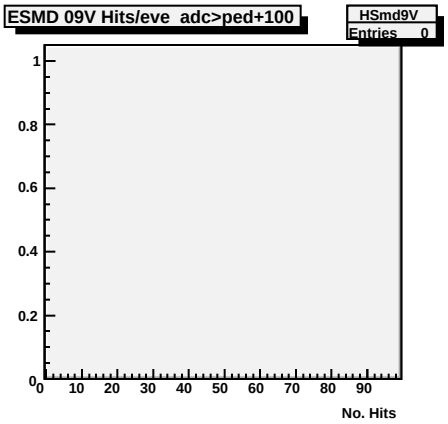

ESMD 04V Hits/eve adc>ped+100
HSmd4V
Entries 0
No. Hits

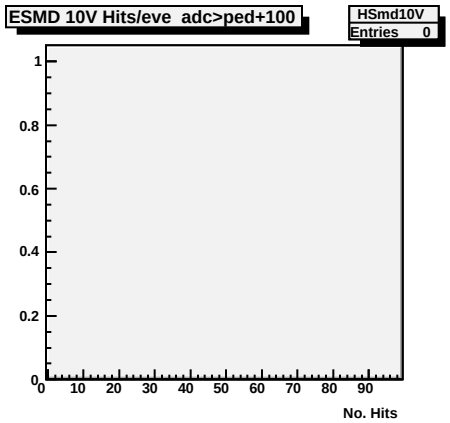

ESMD 05V Hits/eve adc>ped+100
HSmd5V
Entries 0
No. Hits

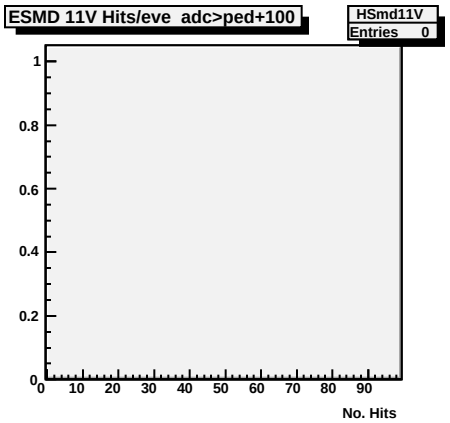

ESMD 06V Hits/eve adc>ped+100
HSmd6V
Entries 0
No. Hits

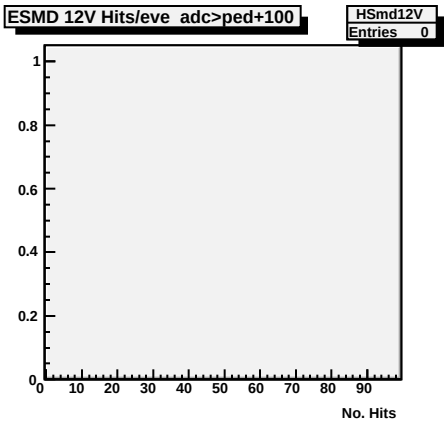

ESMD 07V Hits/eve adc>ped+100
HSmd7V
Entries 0
No. Hits

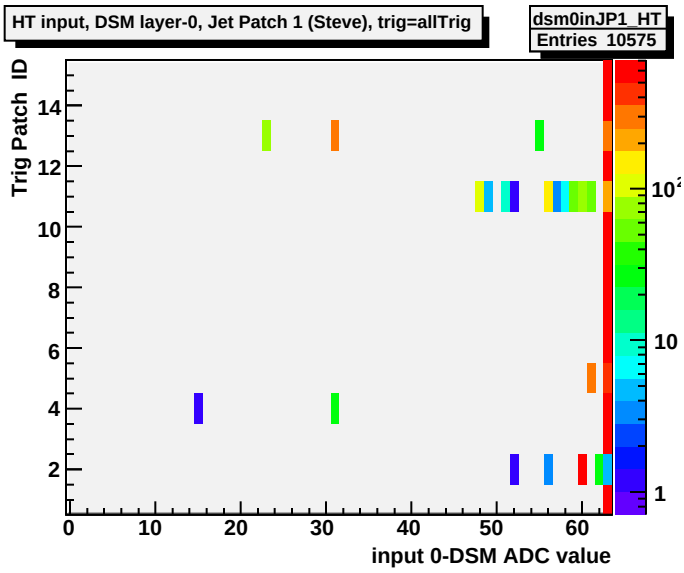

ESMD 08V Hits/eve adc>ped+100
HSmd8V
Entries 0
No. Hits

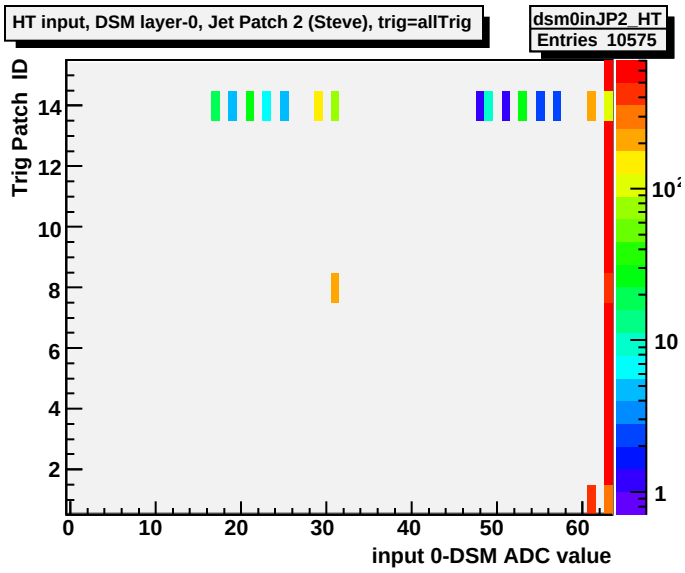

ESMD 09V Hits/eve adc>ped+100
HSmd9V
Entries 0
No. Hits

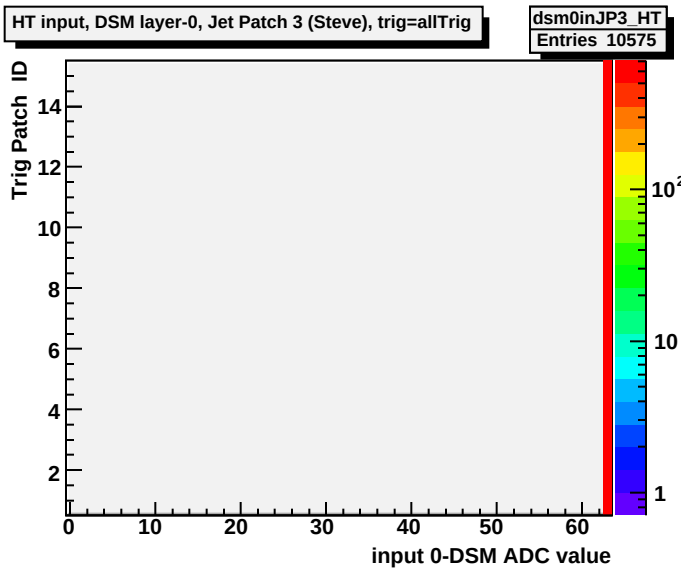

ESMD 10V Hits/eve adc>ped+100
HSmd10V
Entries 0
No. Hits

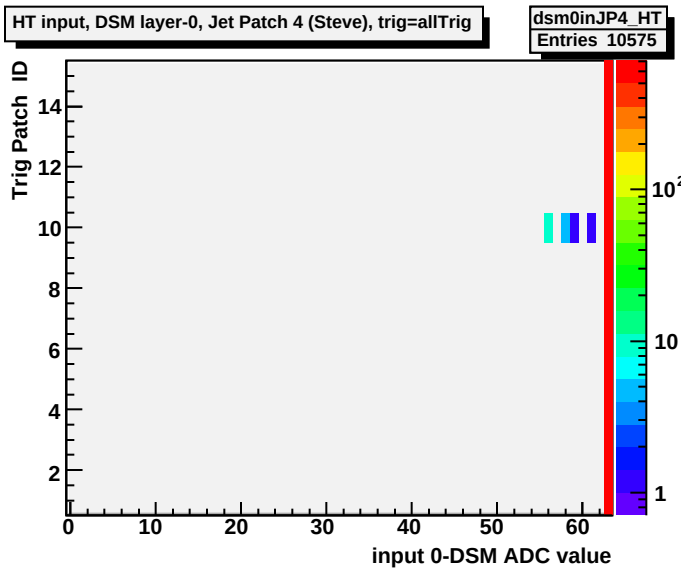

ESMD 11V Hits/eve adc>ped+100
HSmd11V
Entries 0
No. Hits

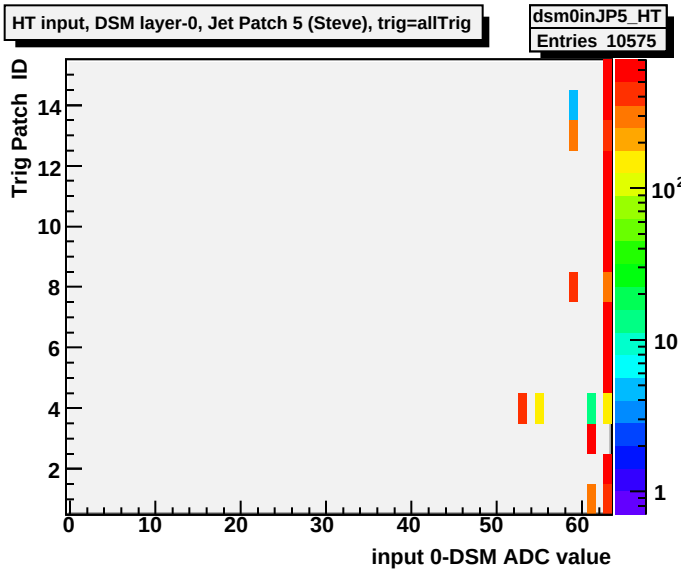

ESMD 12V Hits/eve adc>ped+100
HSmd12V
Entries 0
No. Hits

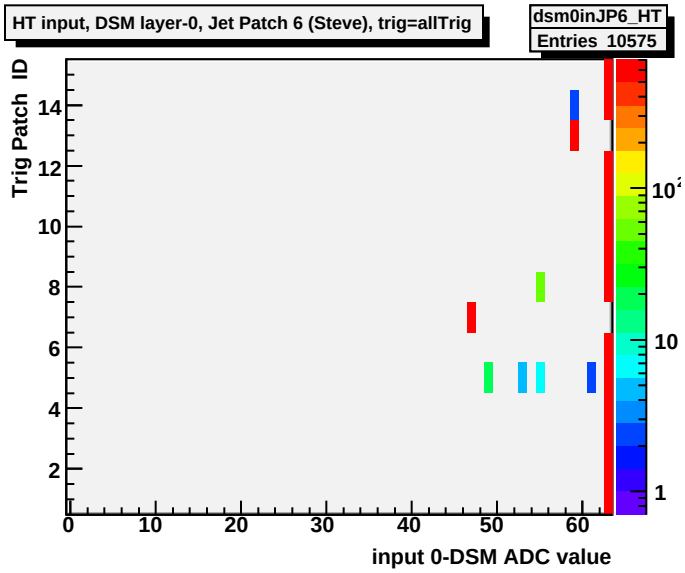

HT input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_HT
Entries 10575
Trig Patch ID
input 0-DSM ADC value

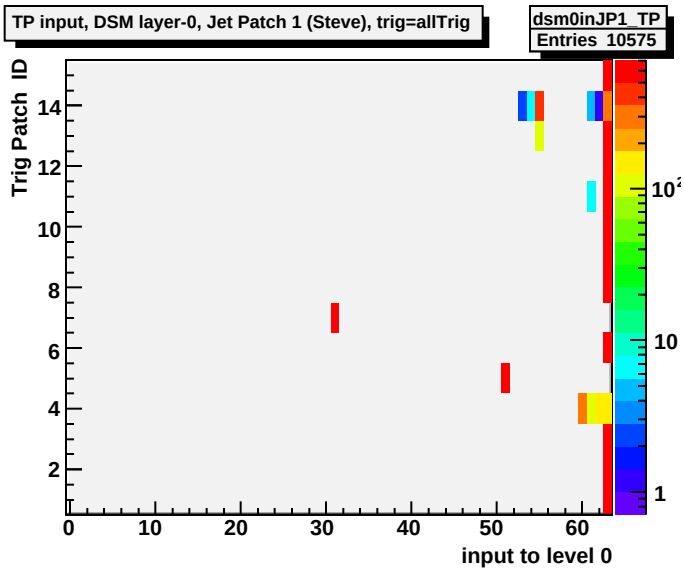

HT input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_HT
Entries 10575
Trig Patch ID
input 0-DSM ADC value

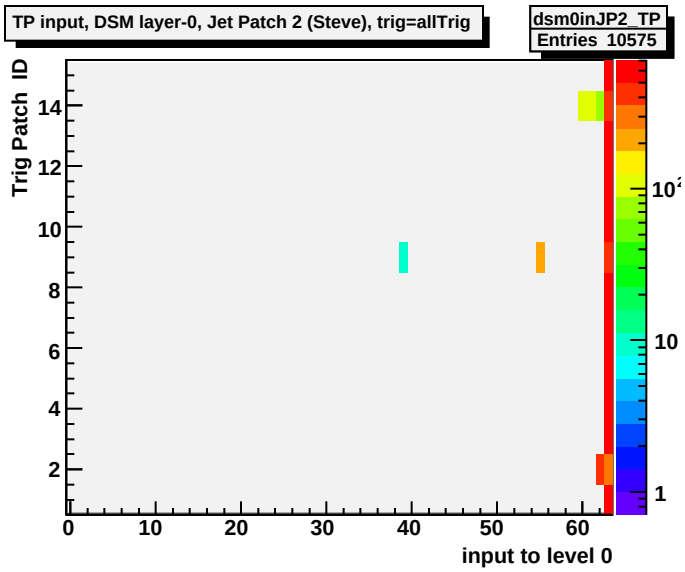

HT input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_HT
Entries 10575
Trig Patch ID
input 0-DSM ADC value

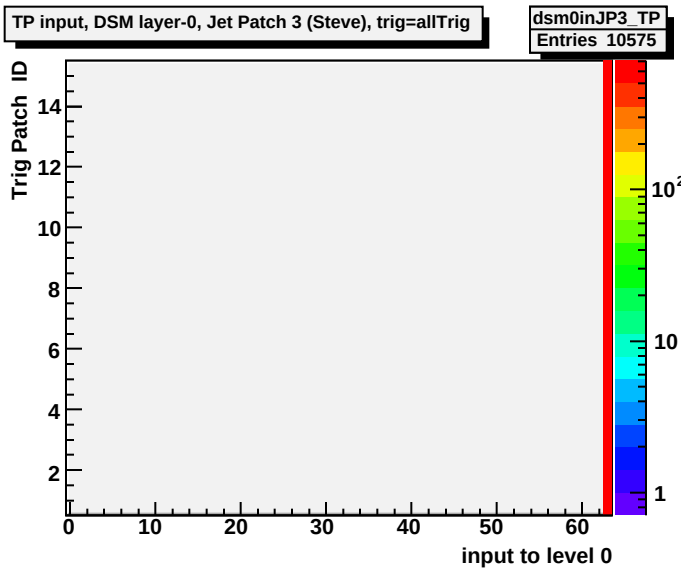

HT input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_HT
Entries 10575
Trig Patch ID
input 0-DSM ADC value

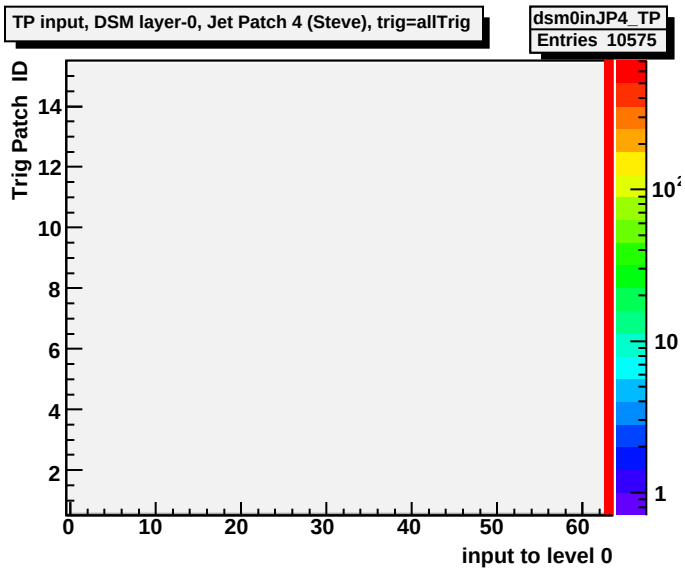

HT input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_HT
Entries 10575
Trig Patch ID
input 0-DSM ADC value

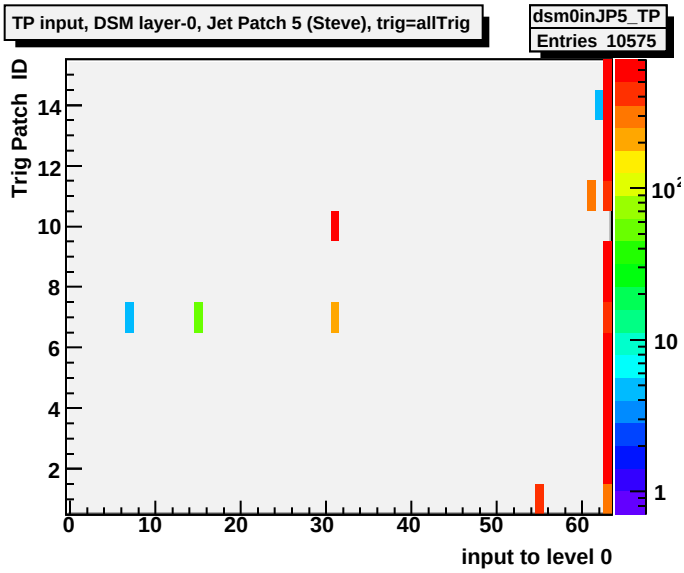

HT input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_HT
Entries 10575
Trig Patch ID
input 0-DSM ADC value

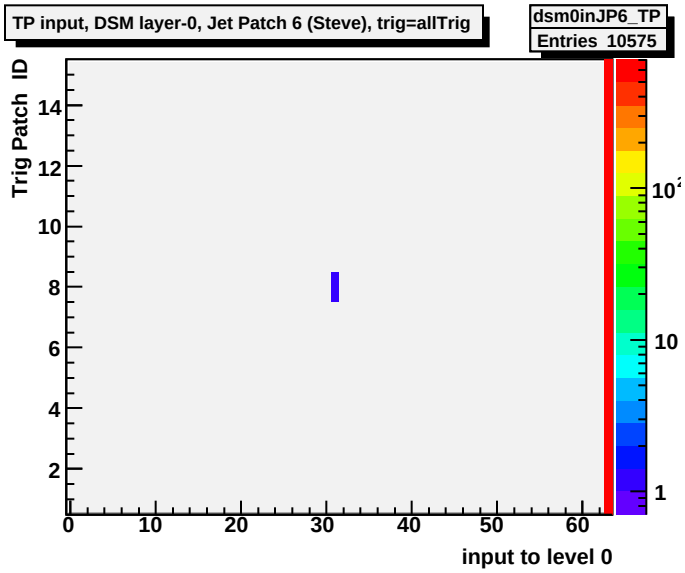

TP input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_TP
Entries 10575
Trig Patch ID
input to level 0

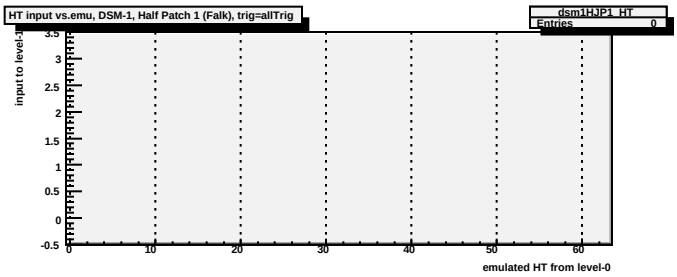

TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_TP
Entries 10575
Trig Patch ID
input to level 0

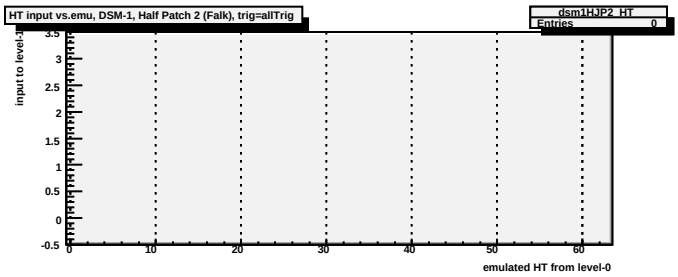

TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_TP
Entries 10575
Trig Patch ID
input to level 0

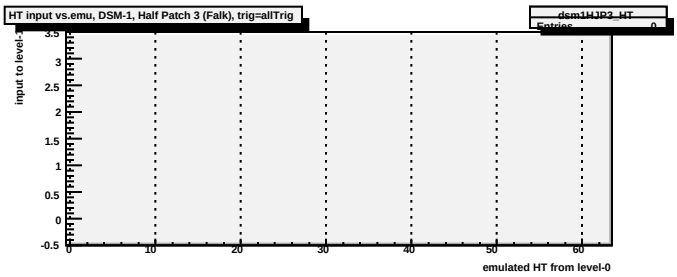

TP input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_TP
Entries 10575
Trig Patch ID
input to level 0

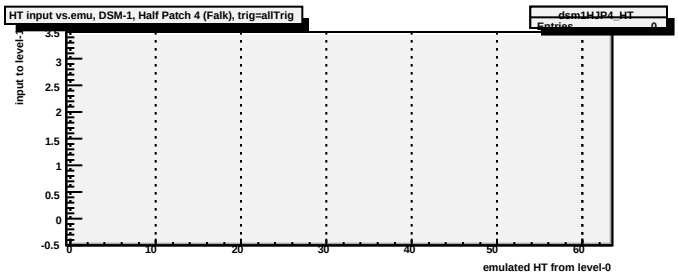

TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 10575
Trig Patch ID
input to level 0

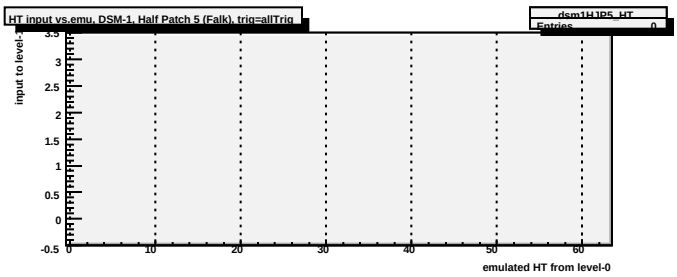

TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_TP
Entries 10575
Trig Patch ID
input to level 0

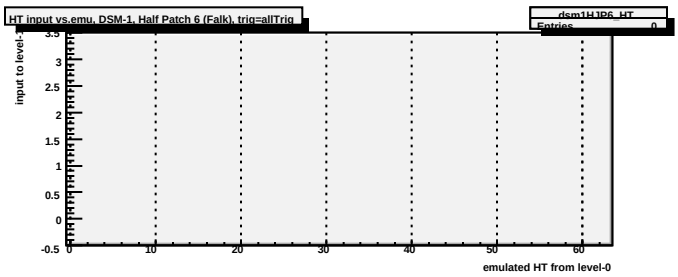

HT input vs.emu, DSM-1, Half Patch 1 (Falk), trig=allTrig
dsm1HJP1_HT
Entries 0
input to level-1
emulated HT from level-0

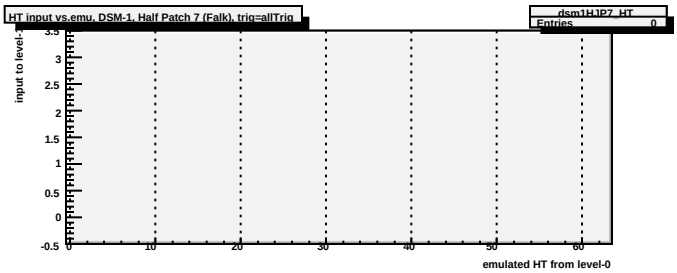

HT input vs.emu, DSM-1, Half Patch 2 (Falk), trig=allTrig
dsm1HJP2_HT
Entries 0
input to level-1
emulated HT from level-0

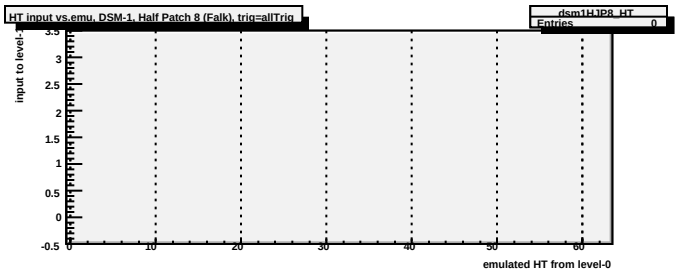

HT input vs.emu, DSM-1, Half Patch 3 (Falk), trig=allTrig
dsm1HJP3_HT
Entries 0
input to level-1
emulated HT from level-0

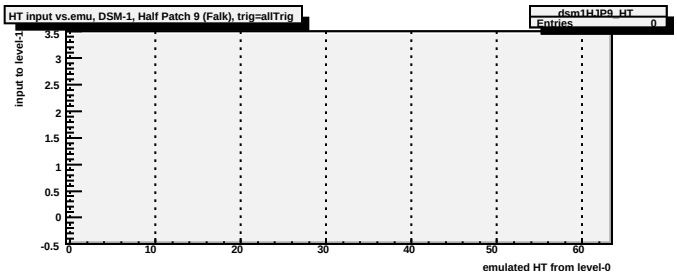

HT input vs.emu, DSM-1, Half Patch 4 (Falk), trig=allTrig
dsm1HJP4_HT
Entries 0
input to level-1
emulated HT from level-0

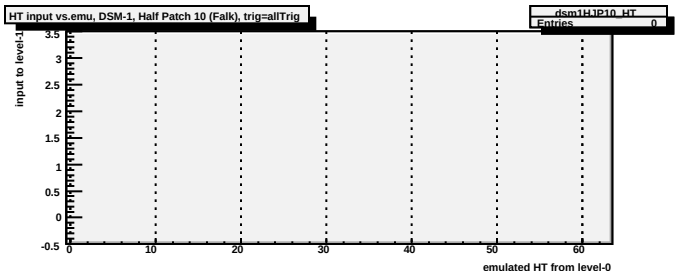

HT input vs.emu, DSM-1, Half Patch 5 (Falk), trig=allTrig
dsm1HJP5_HT
Entries 0
input to level-1
emulated HT from level-0

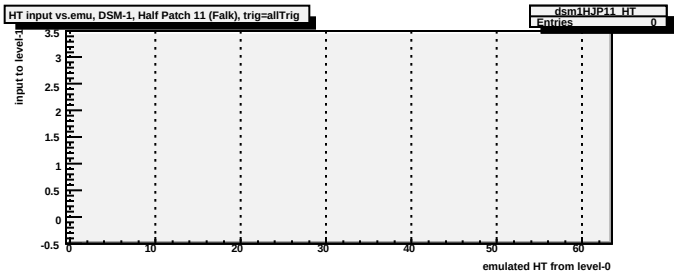

HT input vs.emu, DSM-1, Half Patch 6 (Falk), trig=allTrig
dsm1HJP6_HT
Entries 0
input to level-1
emulated HT from level-0

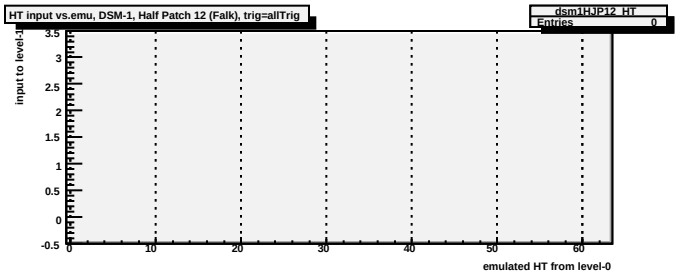

HT input vs.emu, DSM-1, Half Patch 7 (Falk), trig=allTrig
dsm1HJP7_HT
Entries 0
input to level-1
emulated HT from level-0

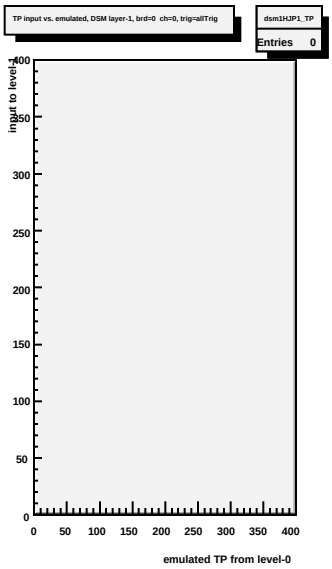

HT input vs.emu, DSM-1, Half Patch 8 (Falk), trig=allTrig
dsm1HJP8_HT
Entries 0
input to level-1
emulated HT from level-0

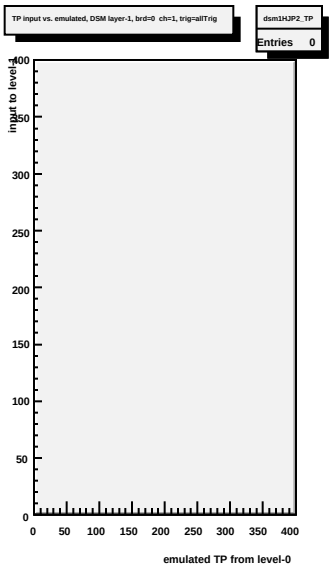

HT input vs.emu, DSM-1, Half Patch 9 (Falk), trig=allTrig
dsm1HJP9_HT
Entries 0
input to level-1
emulated HT from level-0

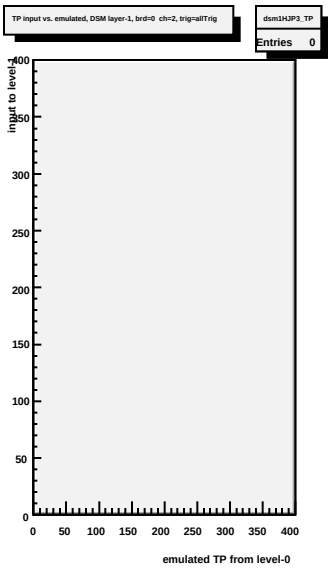

HT input vs.emu, DSM-1, Half Patch 10 (Falk), trig=allTrig
dsm1HJP10_HT
Entries 0
input to level-1
emulated HT from level-0

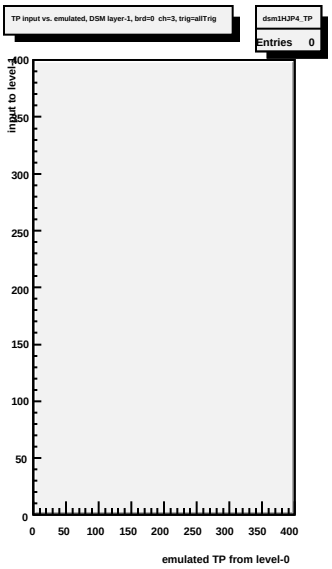

HT input vs.emu, DSM-1, Half Patch 11 (Falk), trig=allTrig
dsm1HJP11_HT
Entries 0
input to level-1
emulated HT from level-0

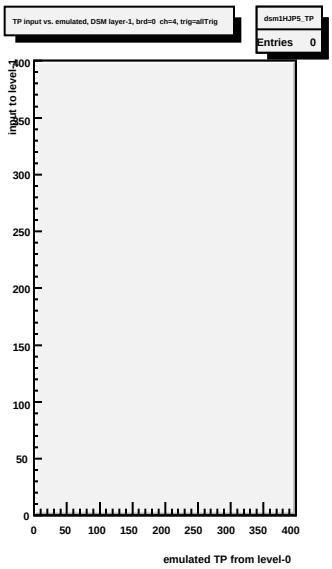

HT input vs.emu, DSM-1, Half Patch 12 (Falk), trig=allTrig
dsm1HJP12_HT
Entries 0
input to level-1
emulated HT from level-0

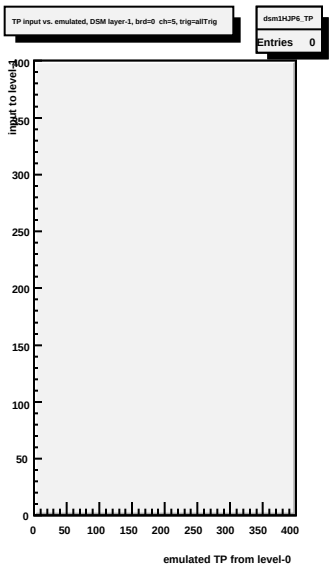

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
input to level-1
emulated TP from level-0

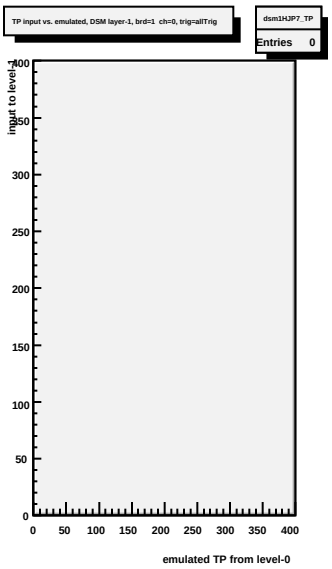

TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
input to level-1
emulated TP from level-0

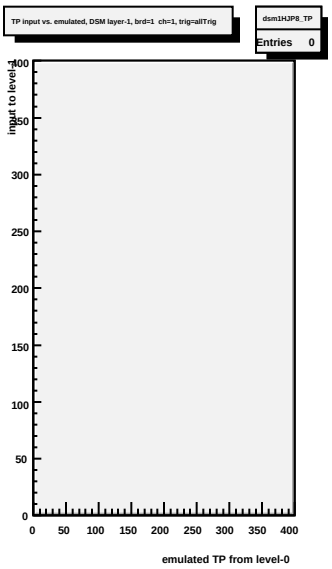

TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
input to level-1
emulated TP from level-0

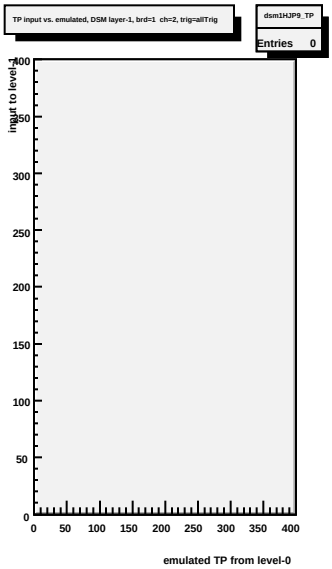

TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
input to level-1
emulated TP from level-0

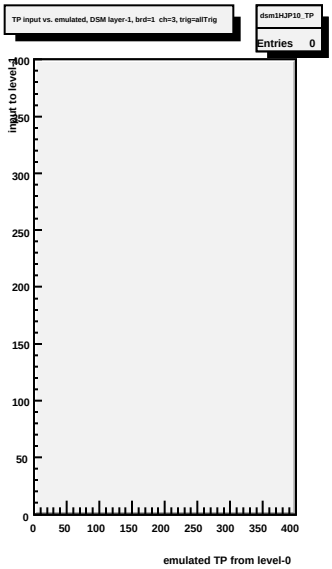

TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
input to level-1
emulated TP from level-0

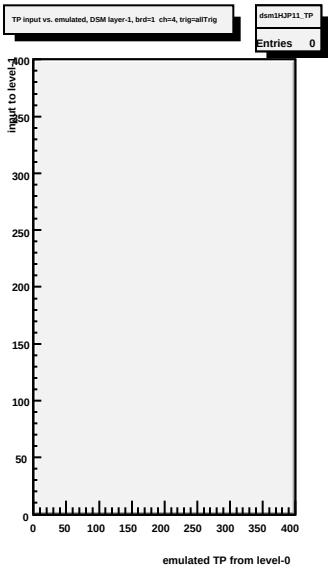

TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
input to level-1
emulated TP from level-0

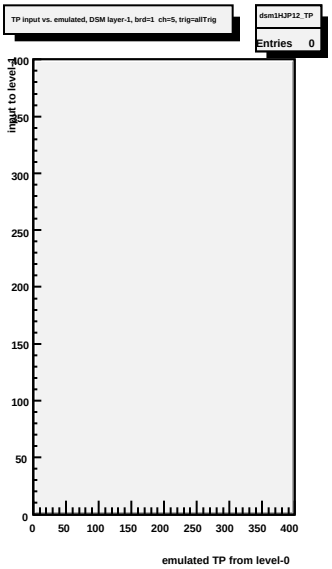

TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
input to level-1
emulated TP from level-0

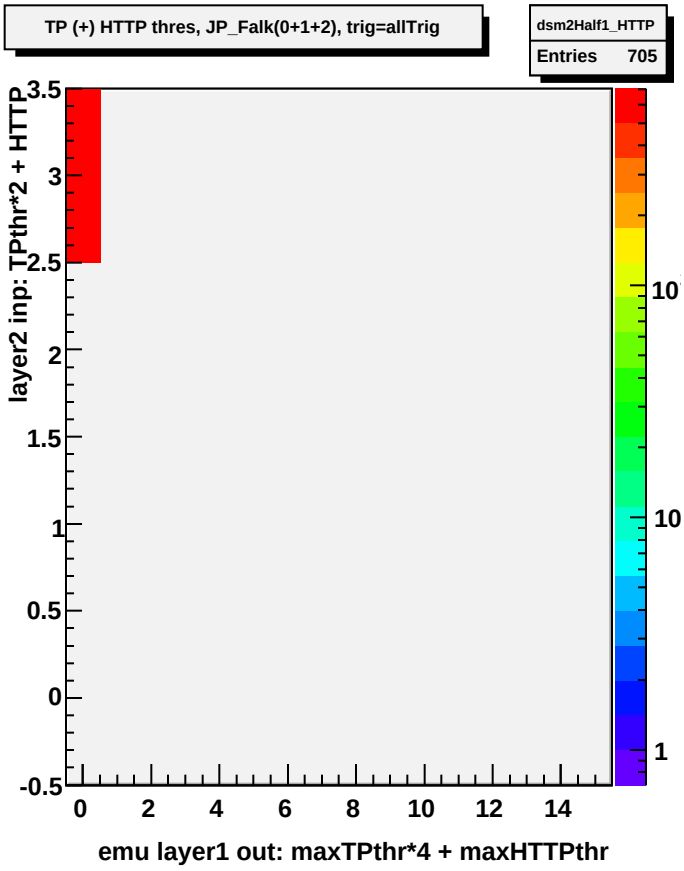

TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
input to level-1
emulated TP from level-0

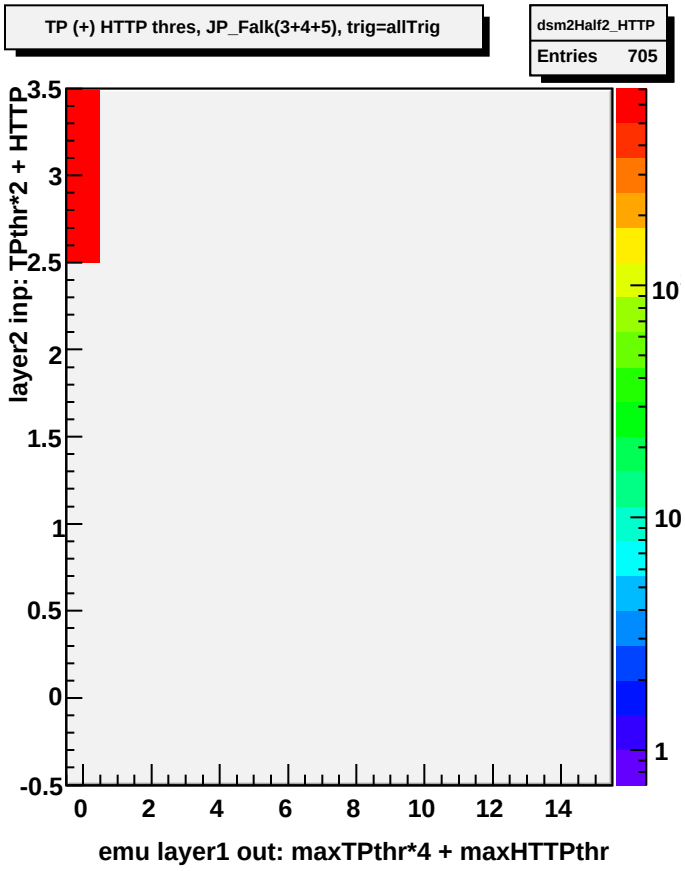

TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
input to level-1
emulated TP from level-0

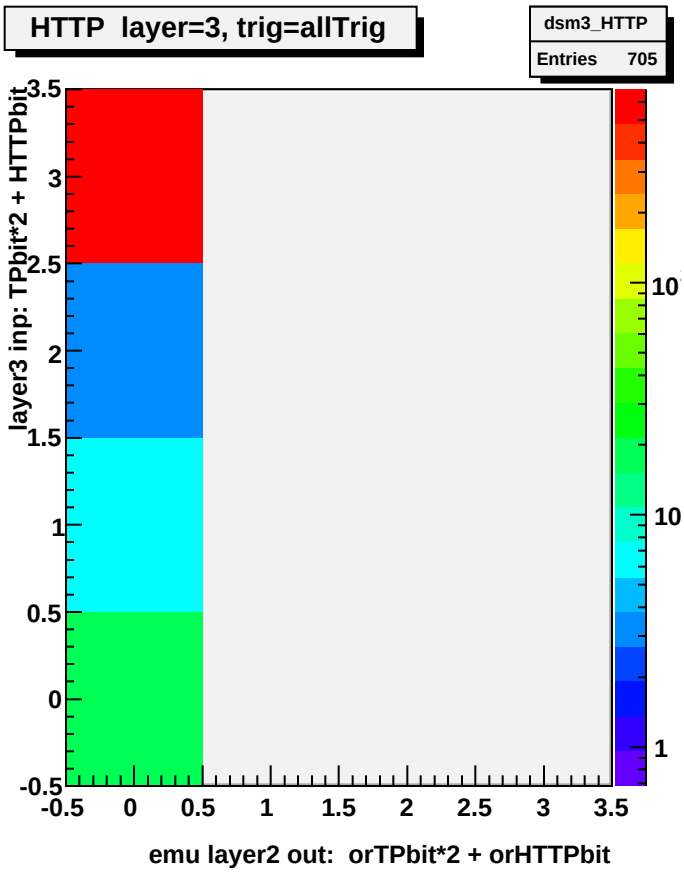

TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
input to level-1
emulated TP from level-0

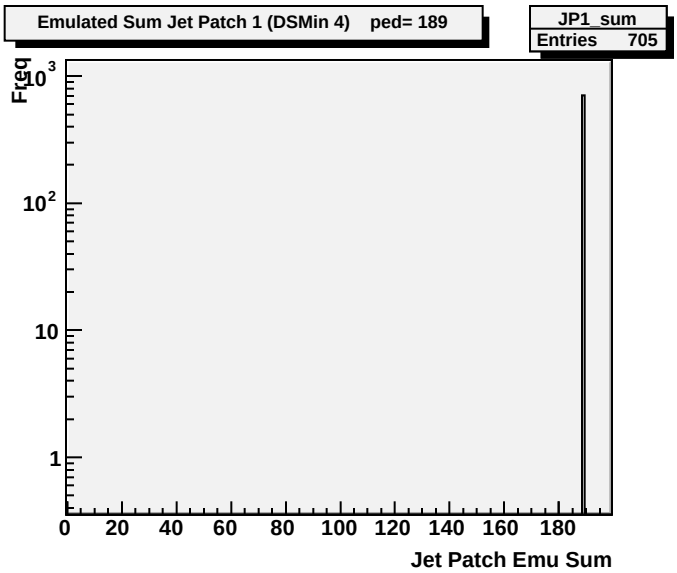

TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
input to level-1
emulated TP from level-0

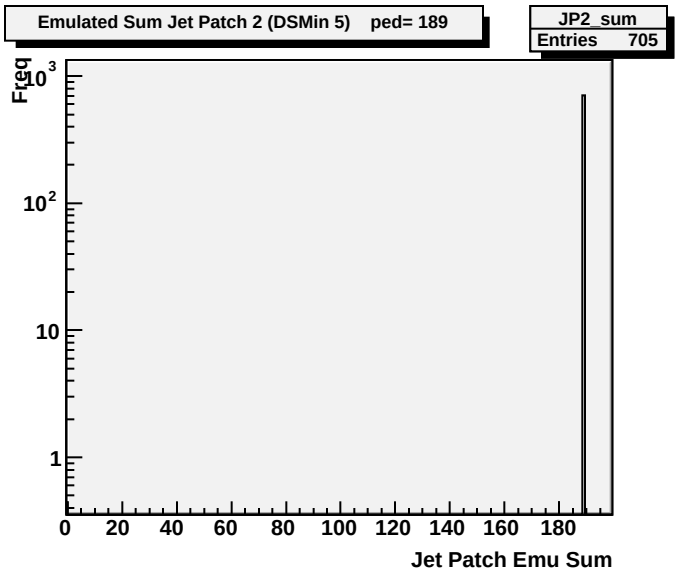

TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
input to level-1
emulated TP from level-0

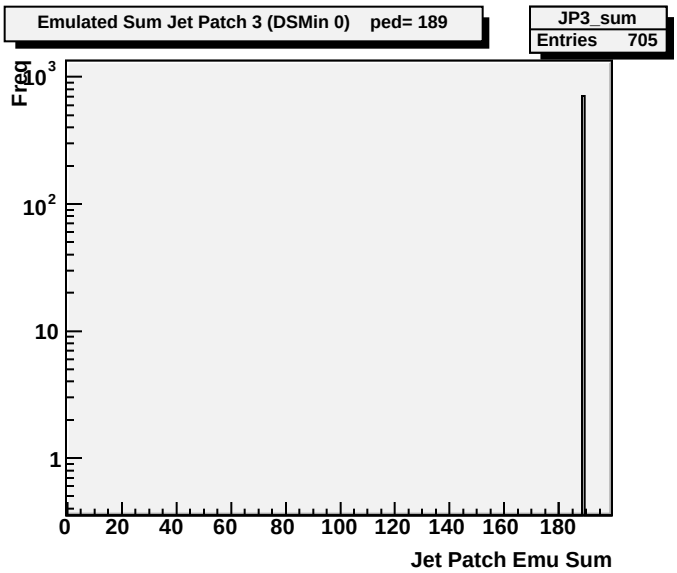

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 705
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

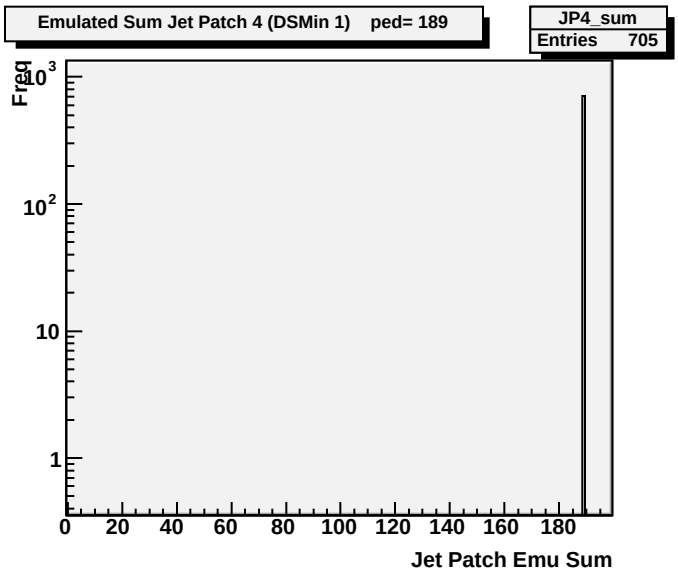

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 705
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

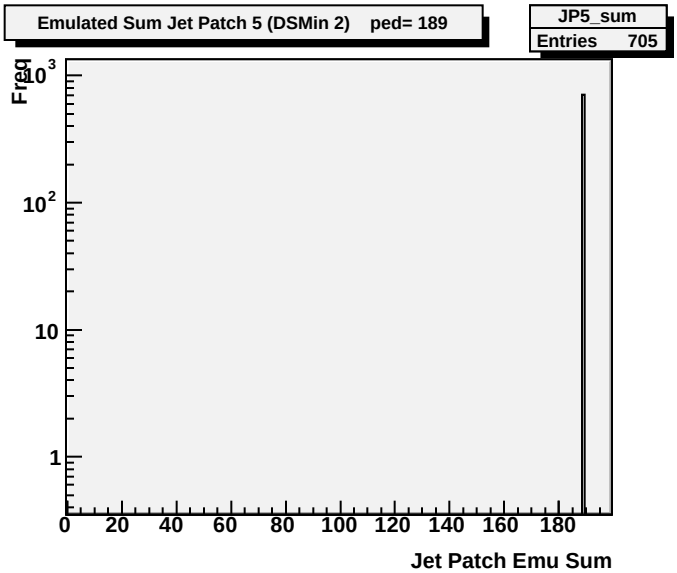

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 705
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

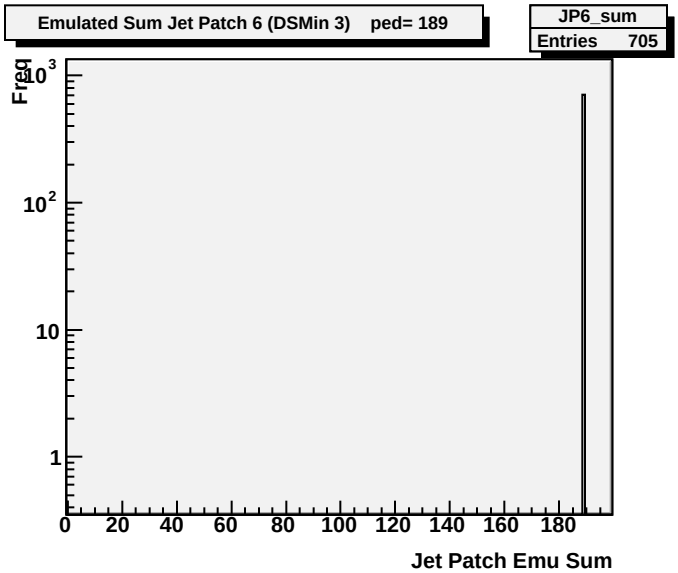

Emulated Sum Jet Patch 1 (DSMin 4) ped= 189
JP1_sum
Entries 705
Freq
Jet Patch Emu Sum

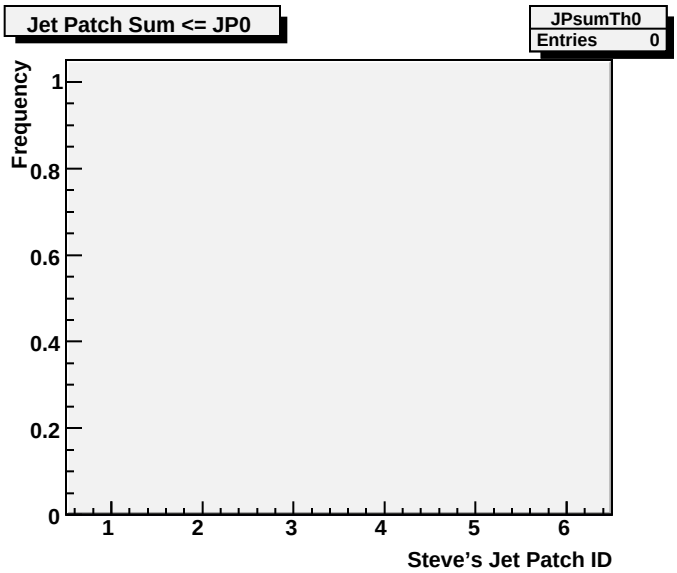

Emulated Sum Jet Patch 2 (DSMin 5) ped= 189
JP2_sum
Entries 705
Freq
Jet Patch Emu Sum

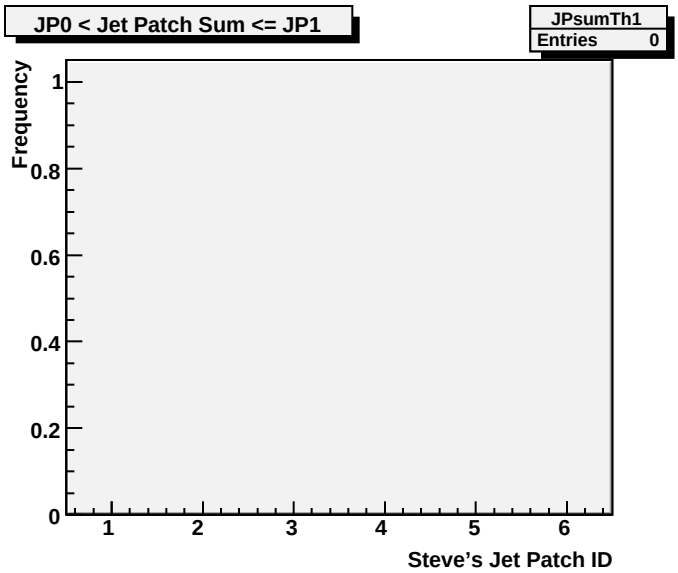

Emulated Sum Jet Patch 3 (DSMin 0) ped= 189
JP3_sum
Entries 705
Freq
Jet Patch Emu Sum

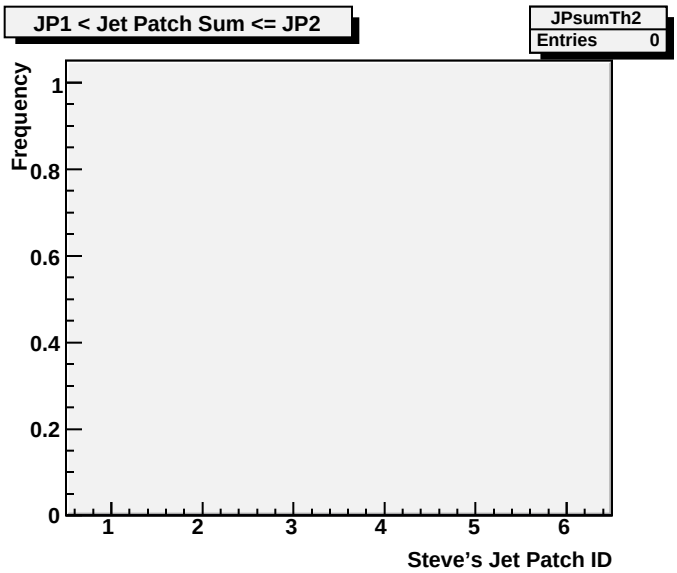

Emulated Sum Jet Patch 4 (DSMin 1) ped= 189
JP4_sum
Entries 705
Freq
Jet Patch Emu Sum

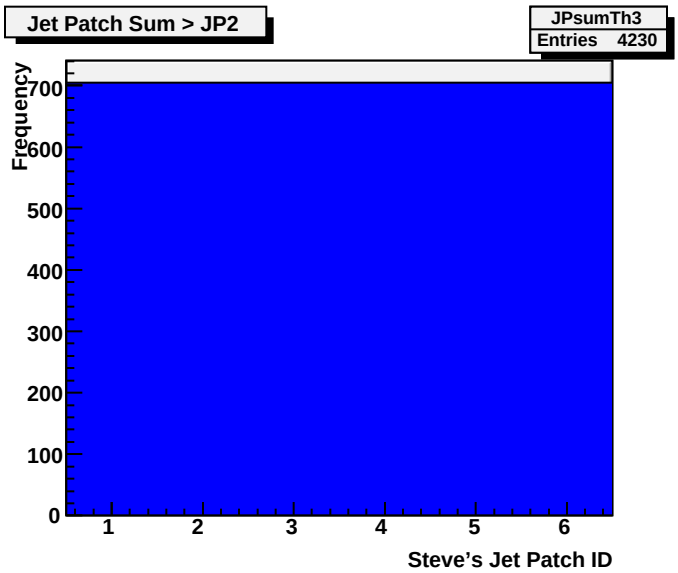

Emulated Sum Jet Patch 5 (DSMin 2) ped= 189
JP5_sum
Entries 705
Freq
Jet Patch Emu Sum

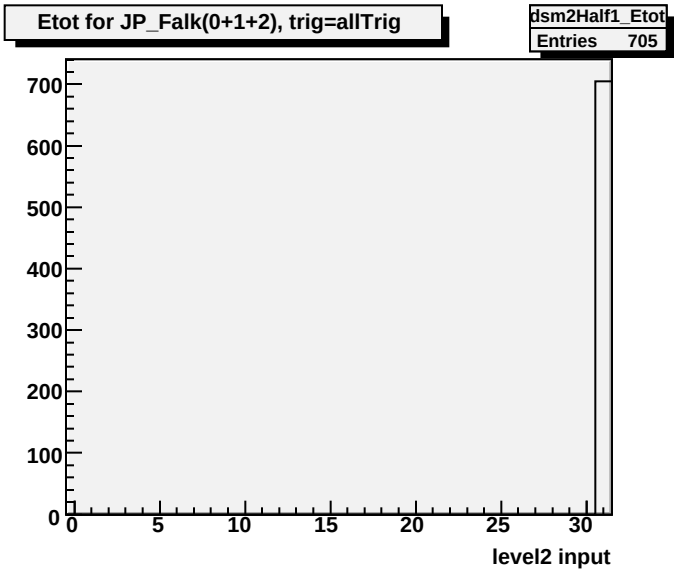

Emulated Sum Jet Patch 6 (DSMin 3) ped= 189
JP6_sum
Entries 705
Freq
Jet Patch Emu Sum

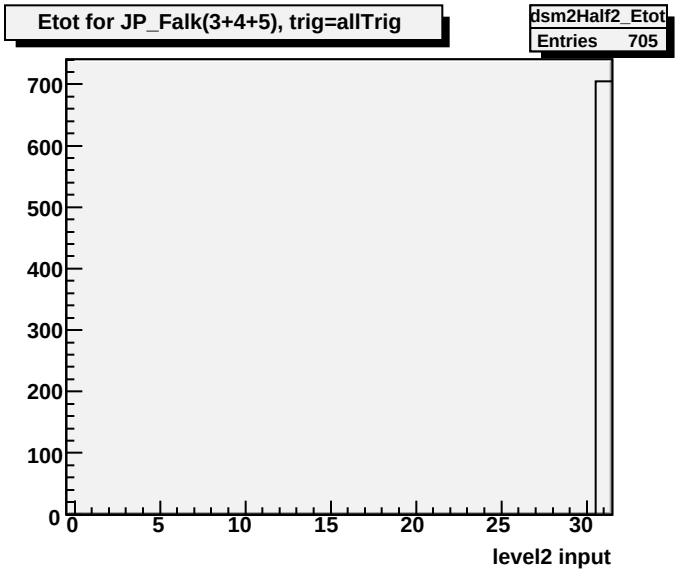

Jet Patch Sum <= JP0
JPsumTh0
Entries 0
Frequency
Steve's Jet Patch ID

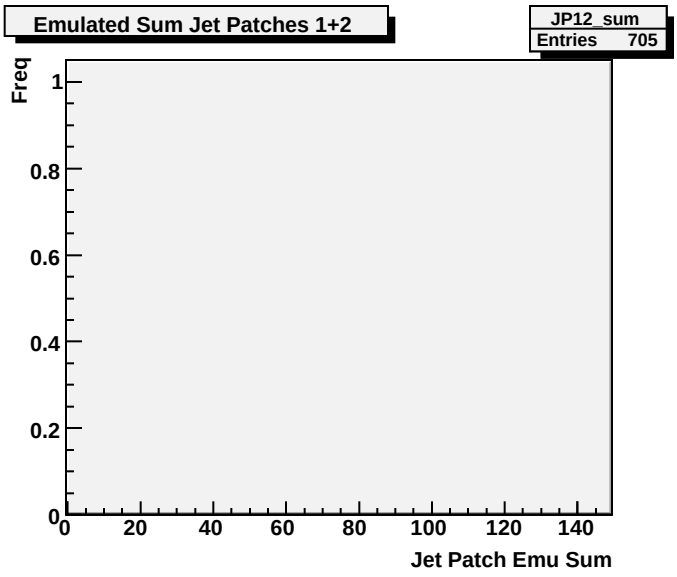

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 0
Frequency
Steve's Jet Patch ID

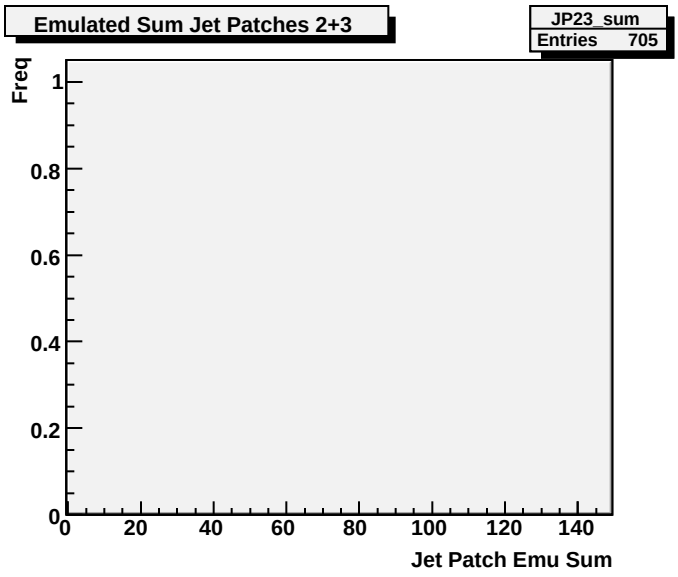

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 0
Frequency
Steve's Jet Patch ID

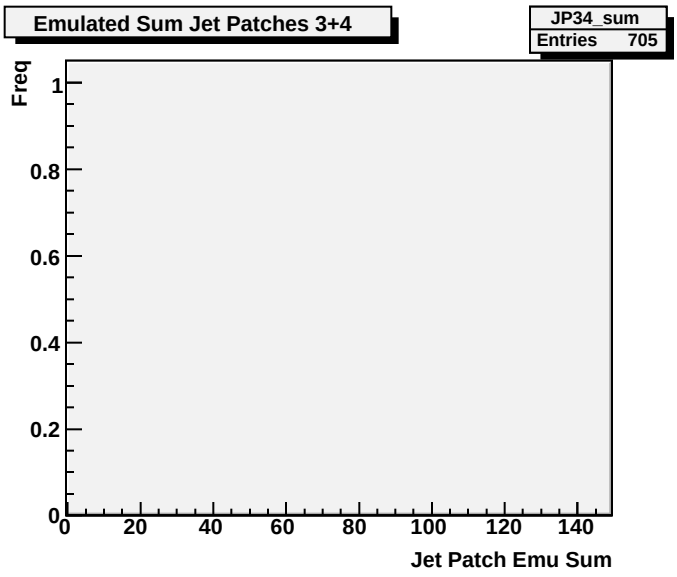

Jet Patch Sum > JP2
JPsumTh3
Entries 4230
Frequency
Steve's Jet Patch ID

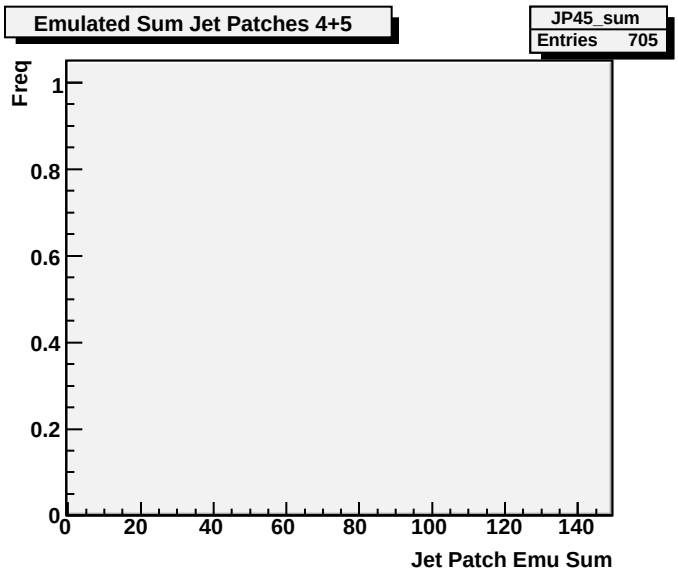

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 705
level2 input

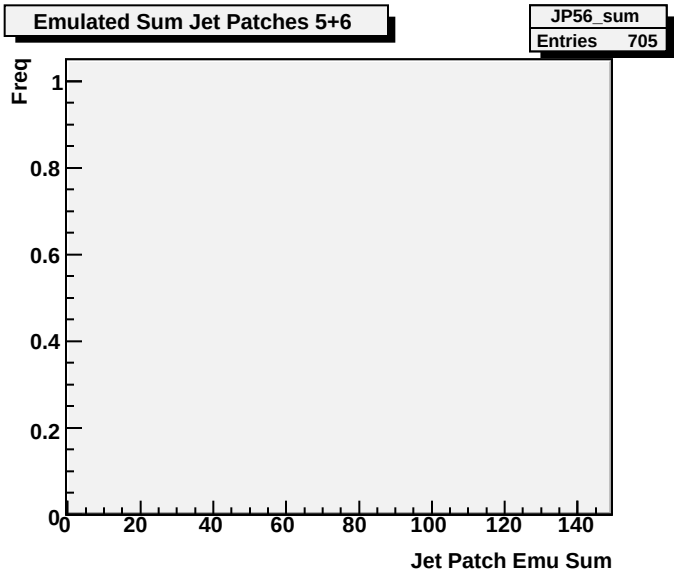

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 705
level2 input

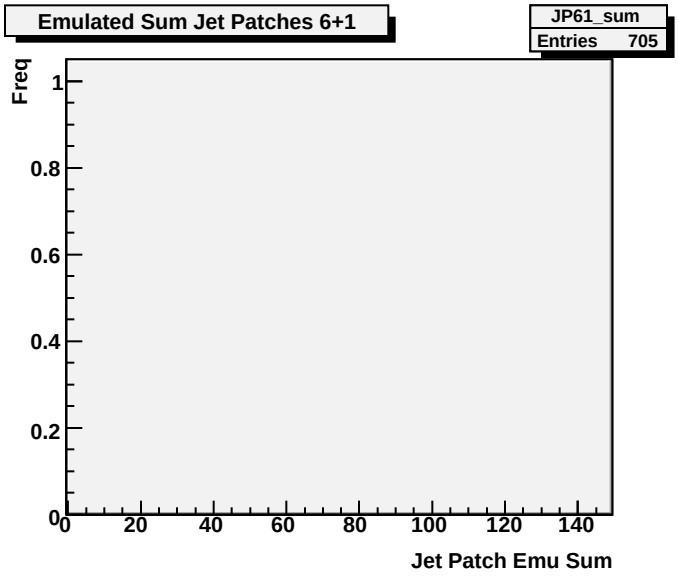

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 705
Freq
Jet Patch Emu Sum

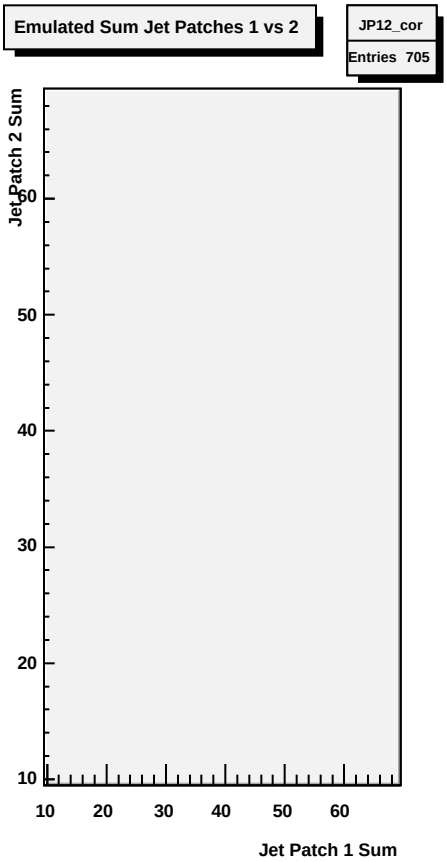

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 705
Freq
Jet Patch Emu Sum

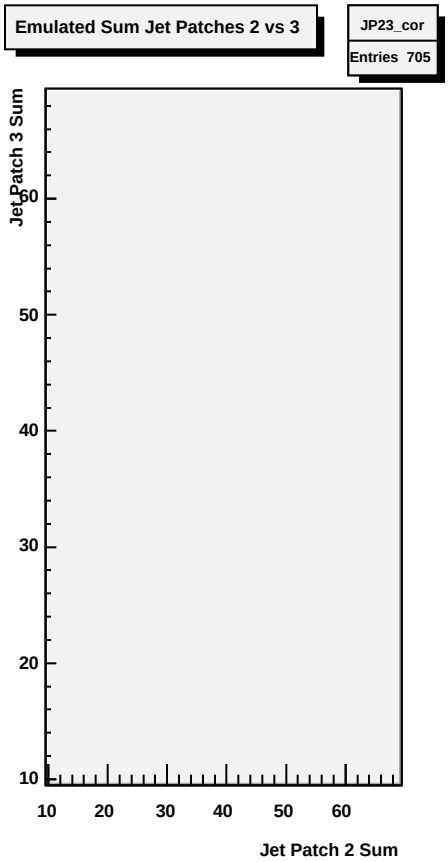

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 705
Freq
Jet Patch Emu Sum

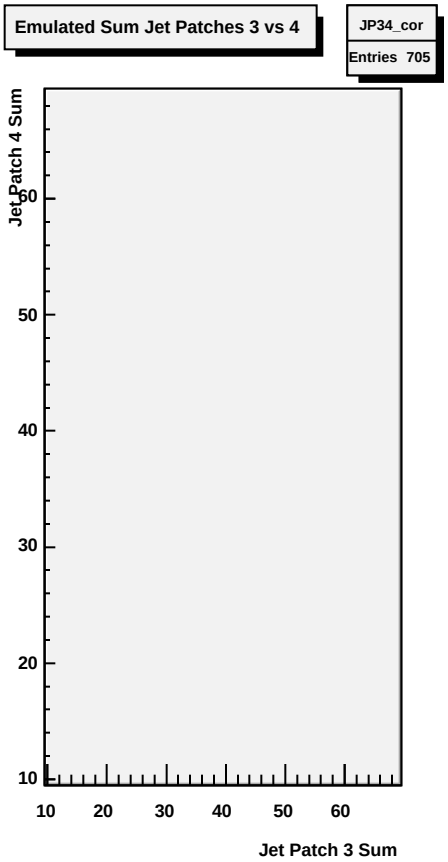

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 705
Freq
Jet Patch Emu Sum

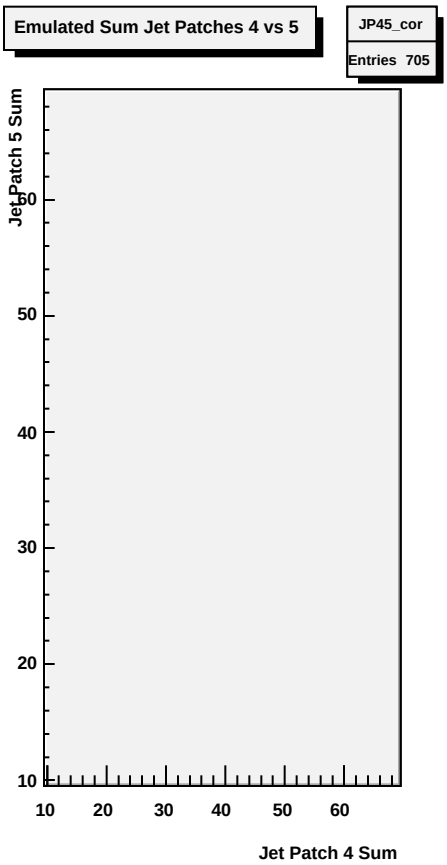

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 705
Freq
Jet Patch Emu Sum

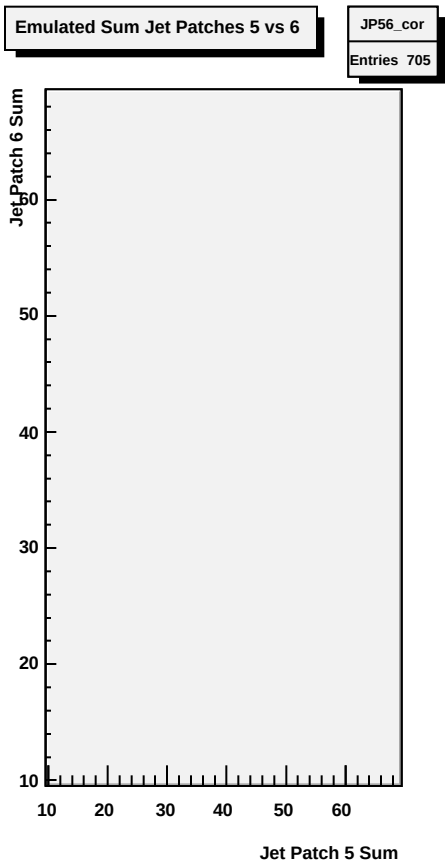

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 705
Freq
Jet Patch Emu Sum

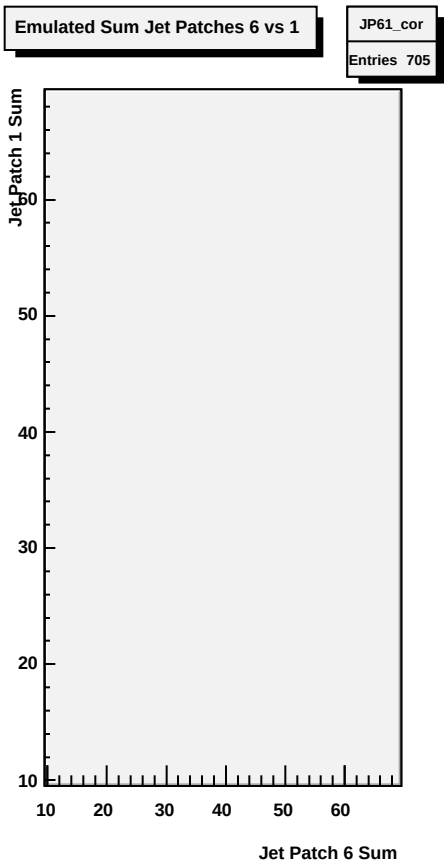

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 705
Jet Patch 2 Sum
Jet Patch 1 Sum

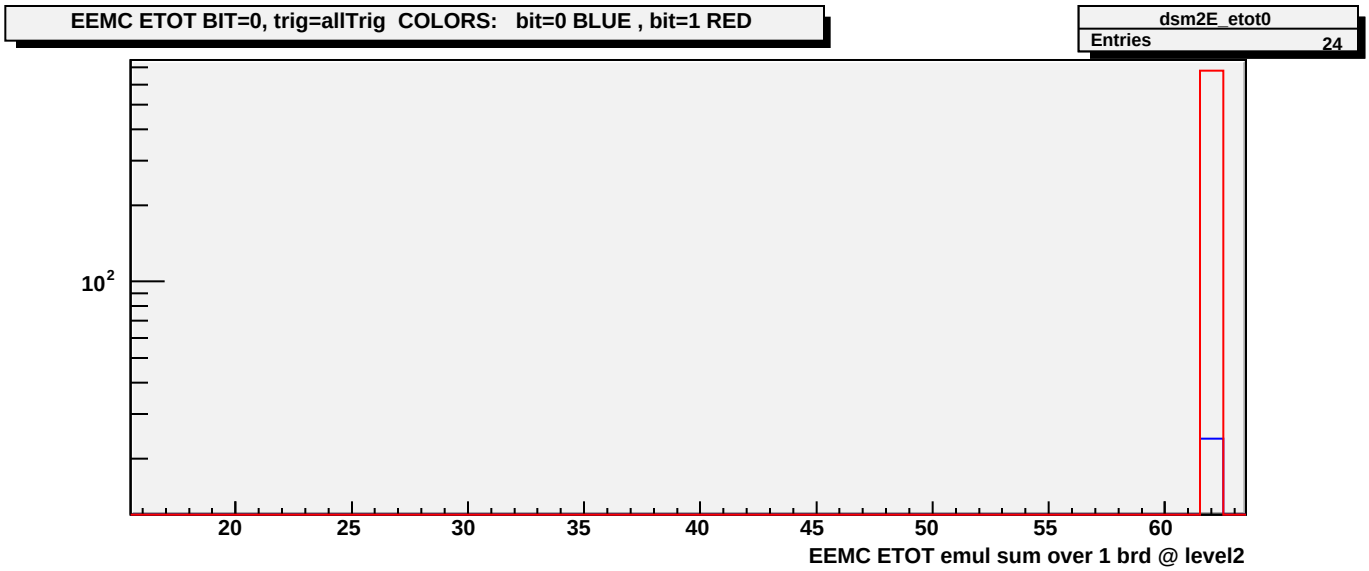

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 705
Jet Patch 3 Sum
Jet Patch 2 Sum

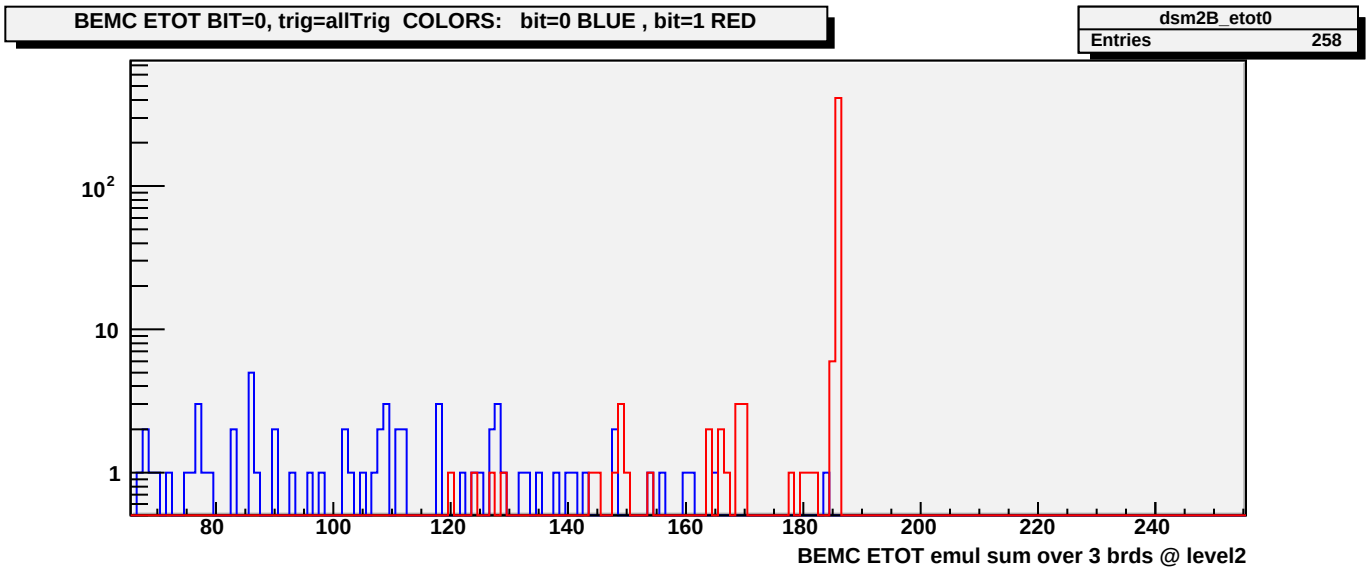

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 705
Jet Patch 4 Sum
Jet Patch 3 Sum

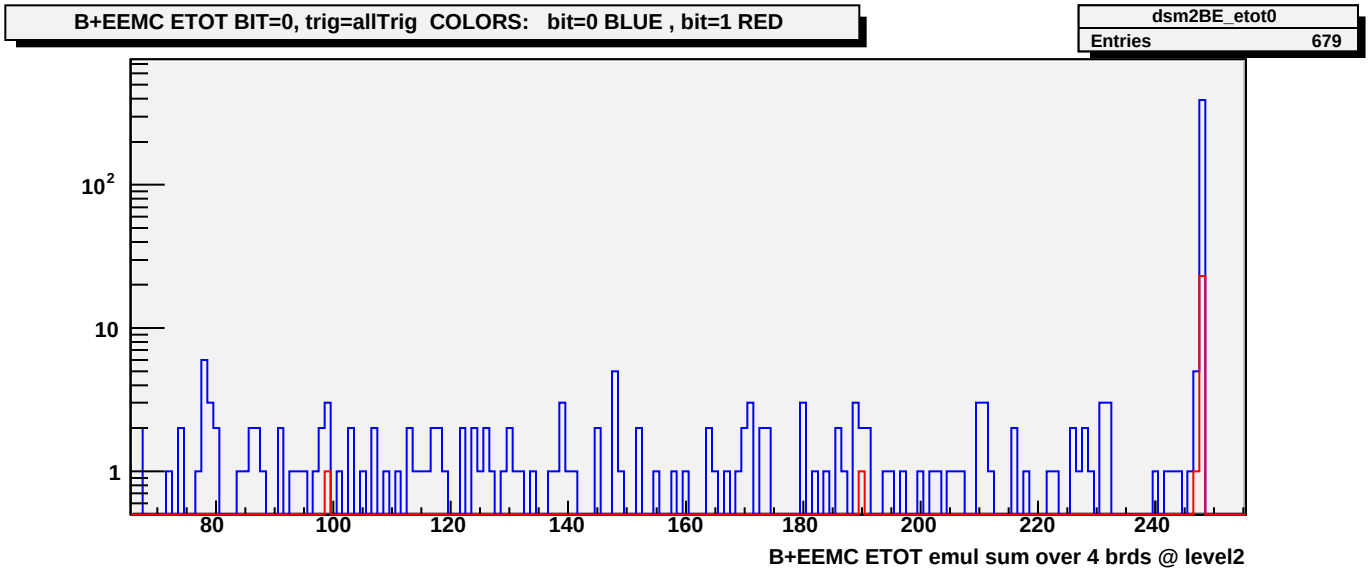

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 705
Jet Patch 5 Sum
Jet Patch 4 Sum

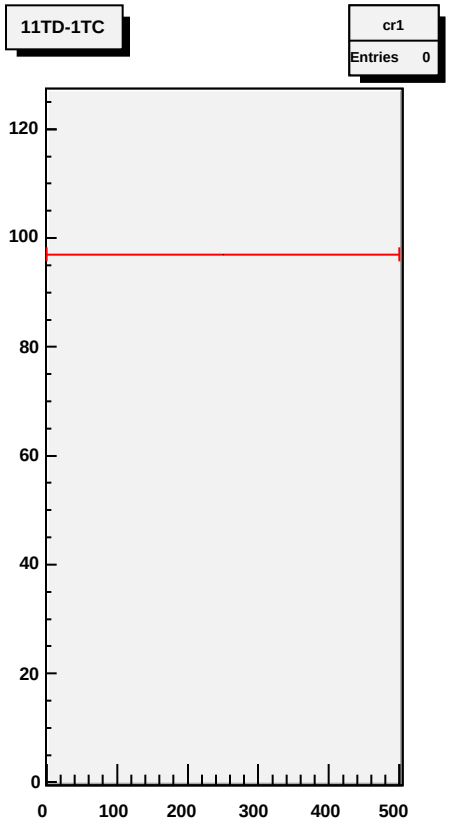

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 705
Jet Patch 6 Sum
Jet Patch 5 Sum

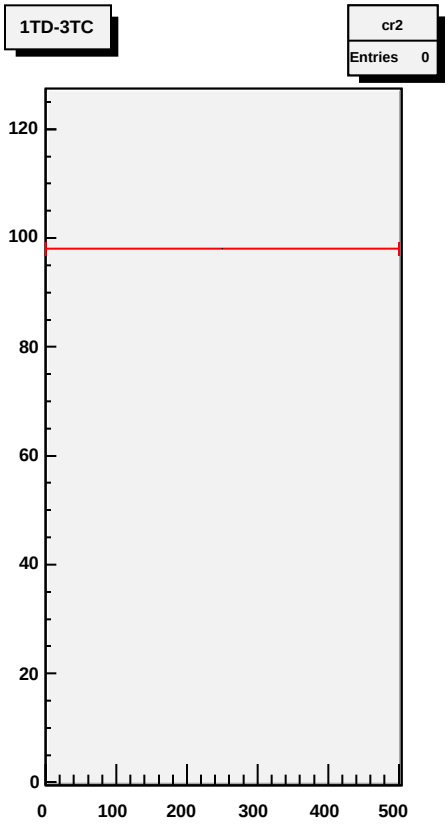

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 705
Jet Patch 1 Sum
Jet Patch 6 Sum

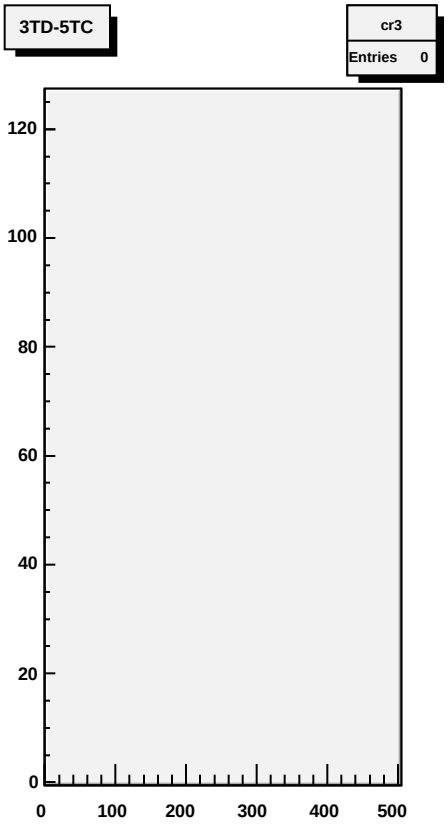

EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2E_etot0
Entries 24
$10^2$
20 25 30 35 40 45 50 55 60
EEMC ETOT emul sum over 1 brd @ level2

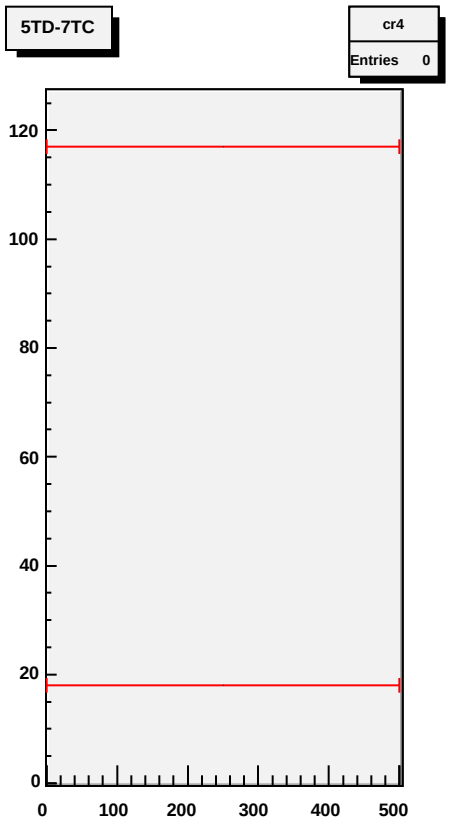

BEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2B_etot0
Entries 258
$10^2$
10
1
80 100 120 140 160 180 200 220 240
BEMC ETOT emul sum over 3 brds @ level2

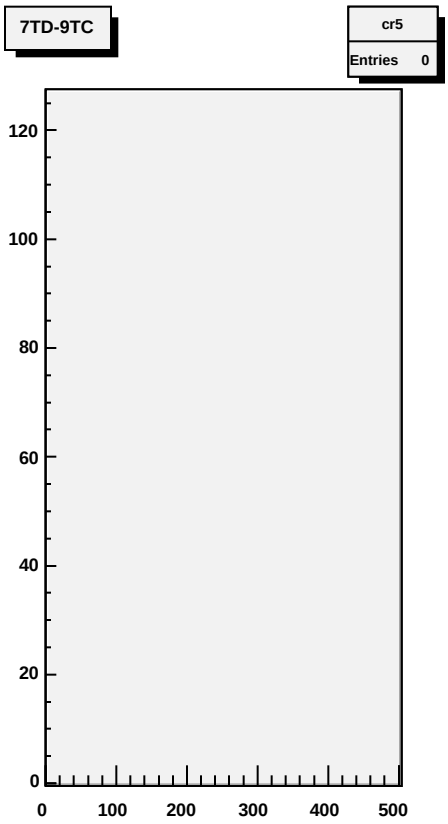

B+EEMC ETOT BIT=0, trig=allTrig COLORS: bit=0 BLUE , bit=1 RED
dsm2BE_etot0
Entries 679
$10^2$
10
1
80 100 120 140 160 180 200 220 240
B+EEMC ETOT emul sum over 4 brds @ level2

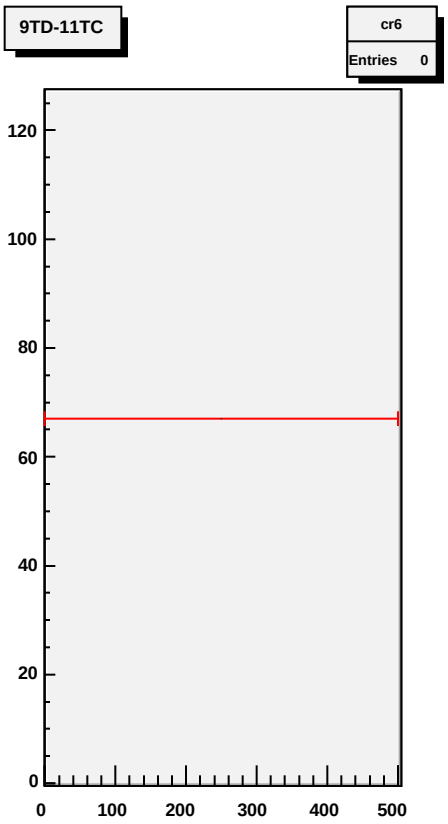

11TD-1TC
cr1
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


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

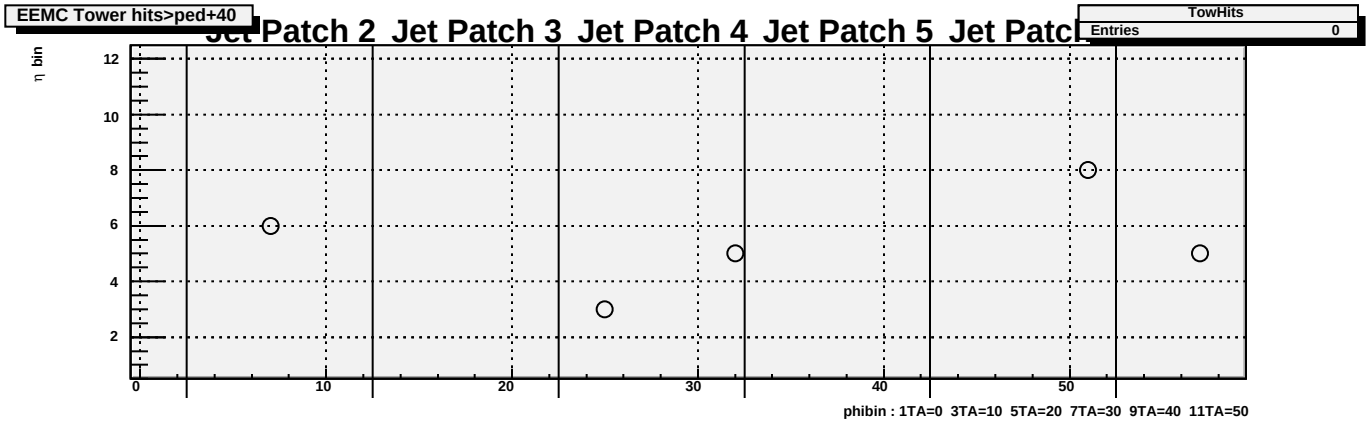

3TD-5TC
cr3
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


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

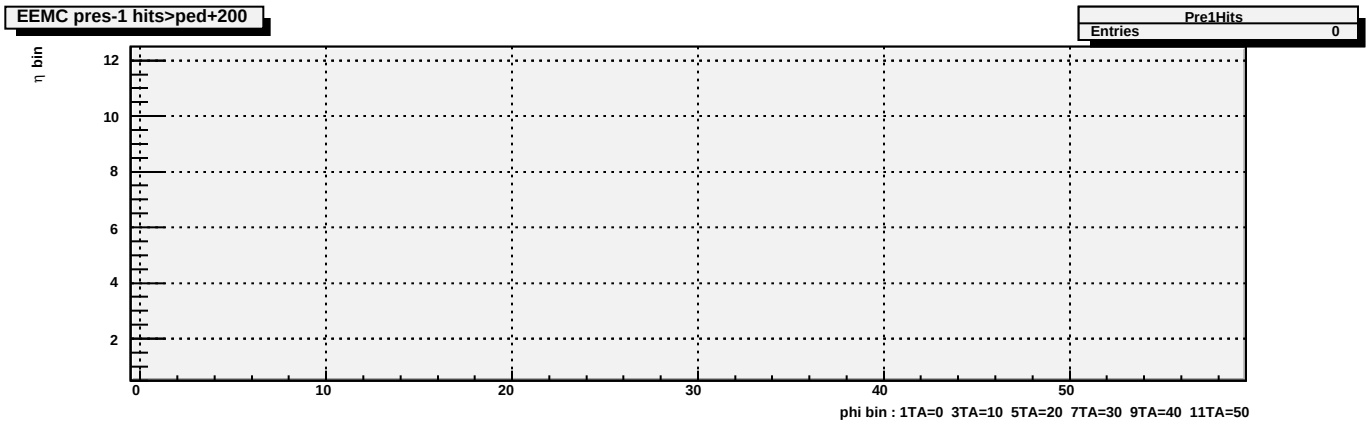

7TD-9TC
cr5
Entries 0
120
100
80
60
40
20
0
0
100
200
300
400
500


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

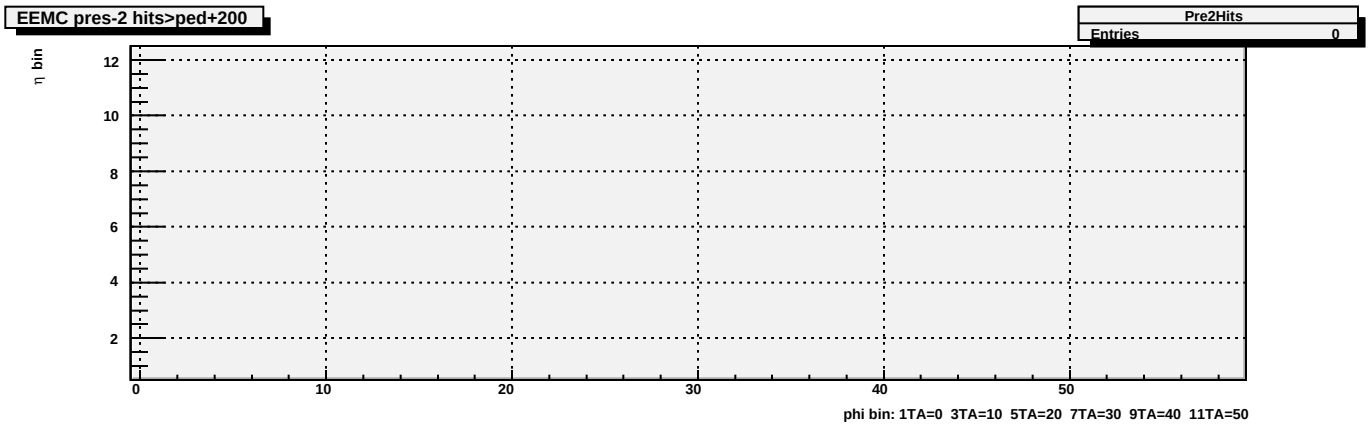
EEMC Tower hits>ped+40



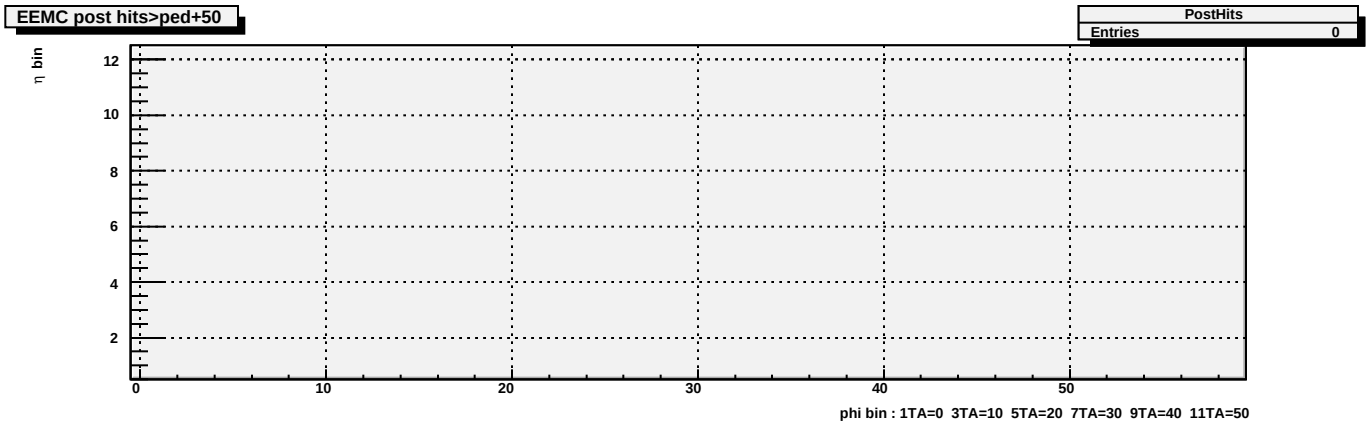

EEMC pres-1 hits>ped+200

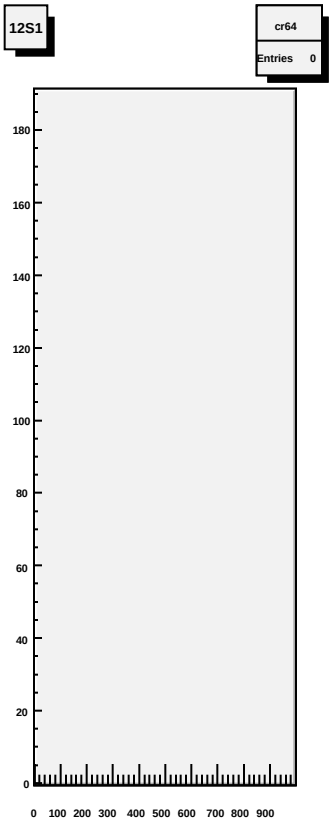


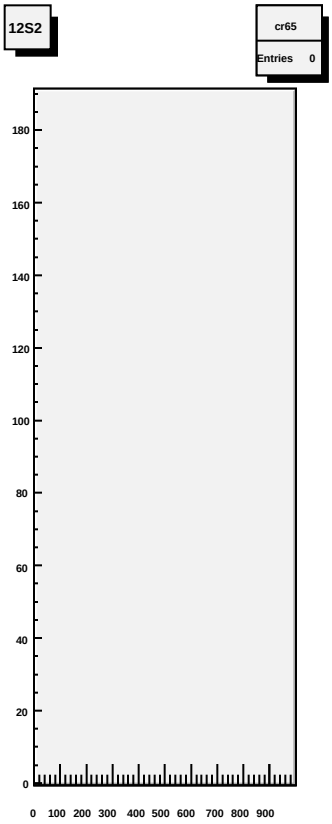

EEMC pres-2 hits>ped+200

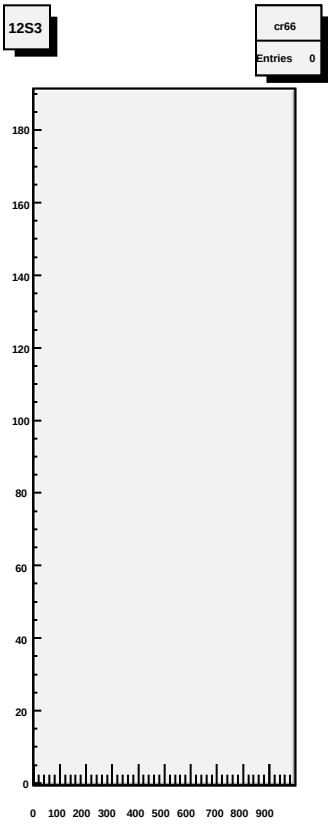


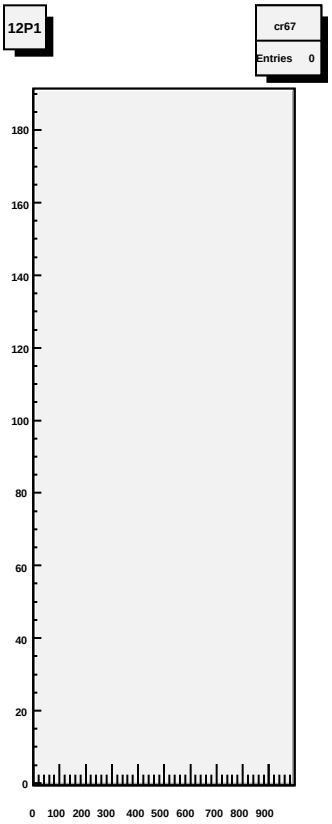

EEMC post hits>ped+50

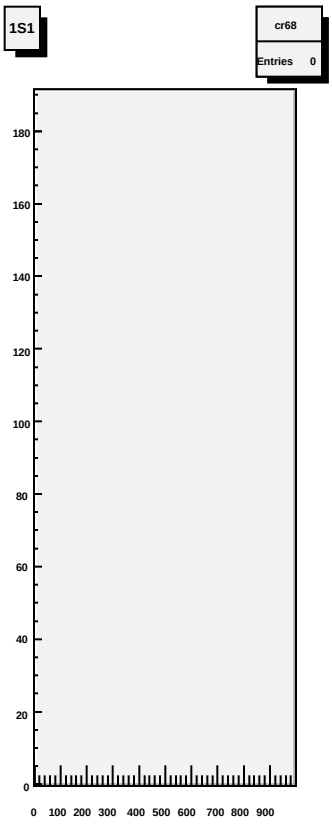


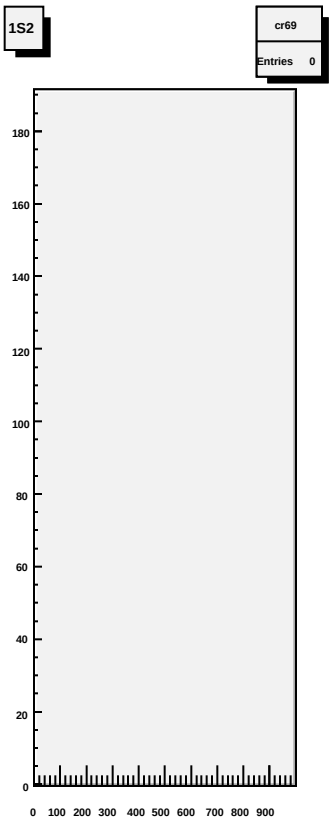

12S1
cr64
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

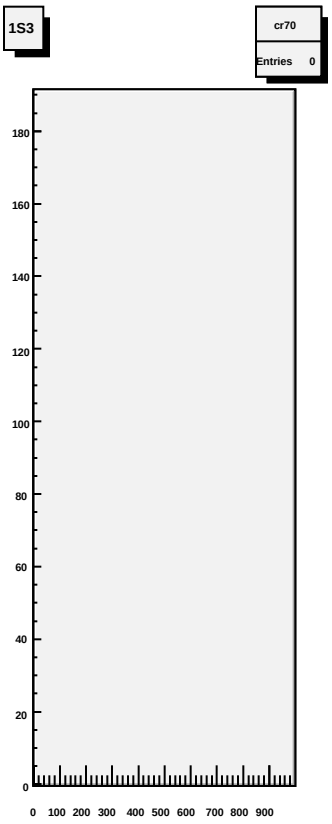

12S2
cr65
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

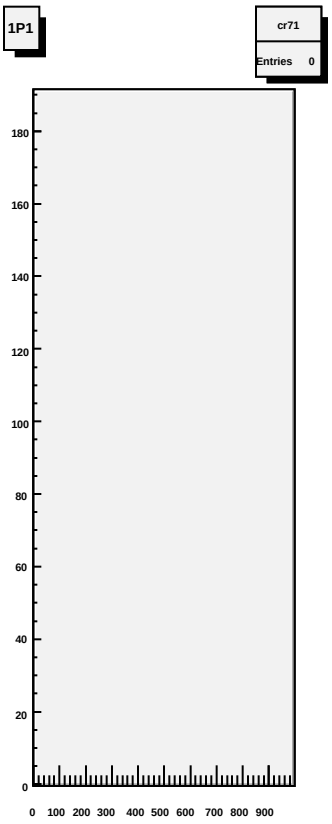

12S3
cr66
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

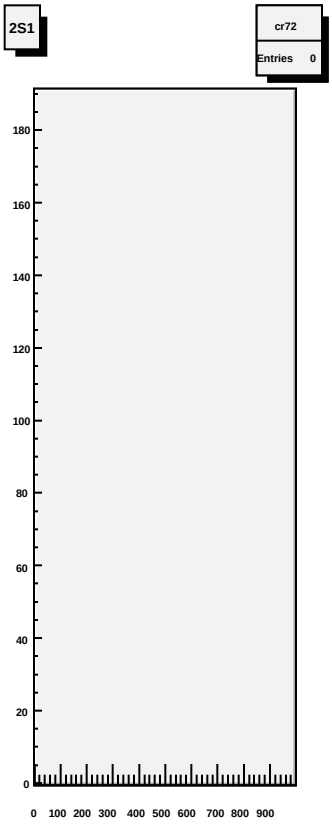

12P1
cr67
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

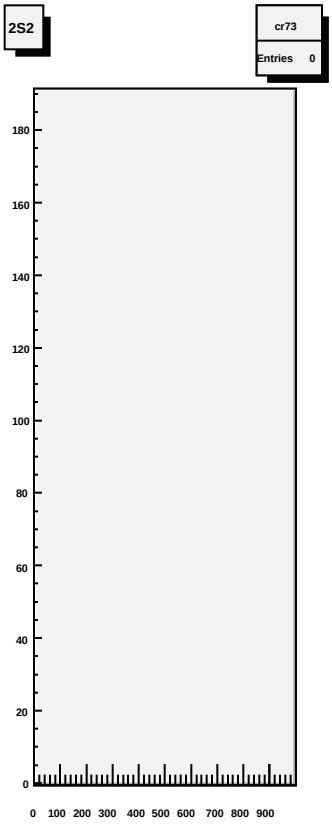

1S1
cr68
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

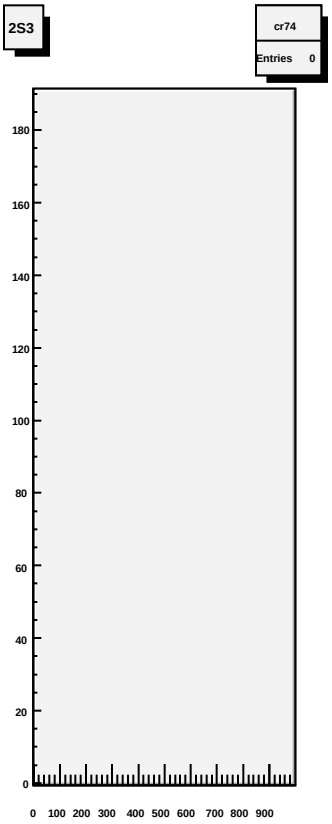

1S2
cr69
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

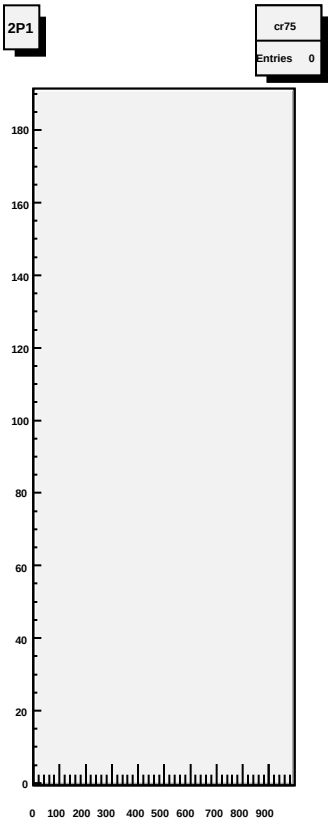

1S3
cr70
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

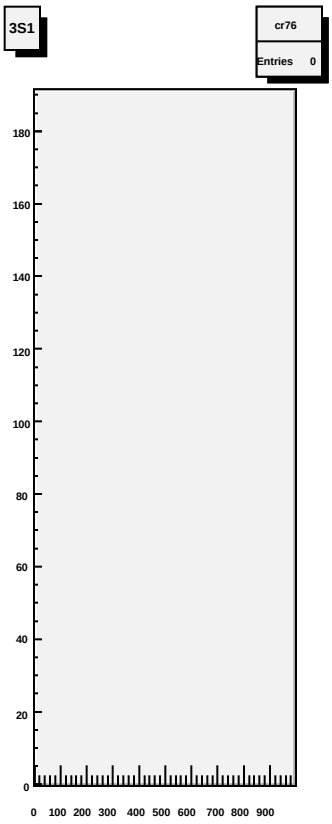

1P1
cr71
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

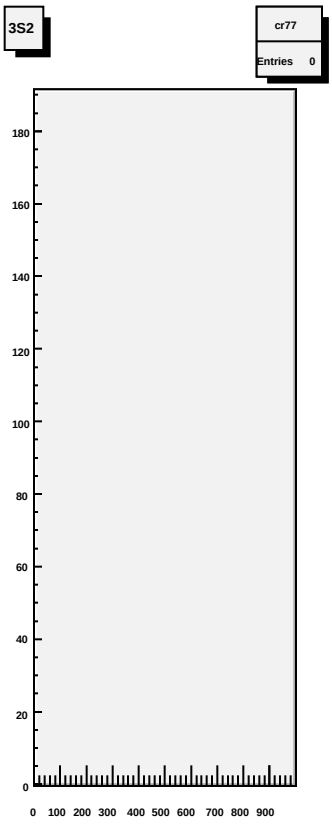

2S1
cr72
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

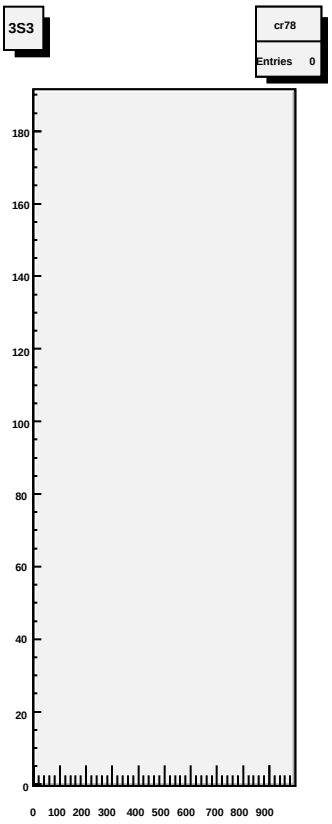

2S2
cr73
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

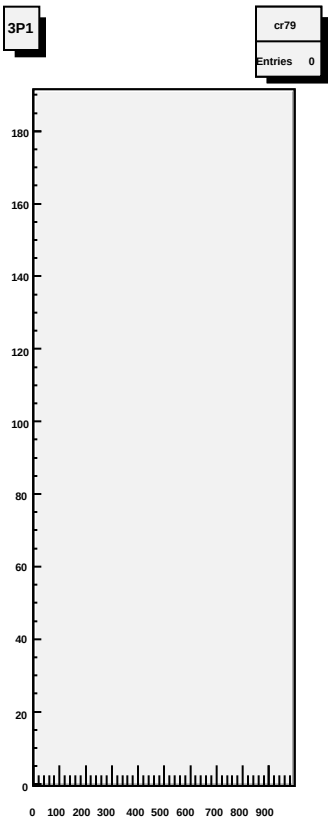

2S3
cr74
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

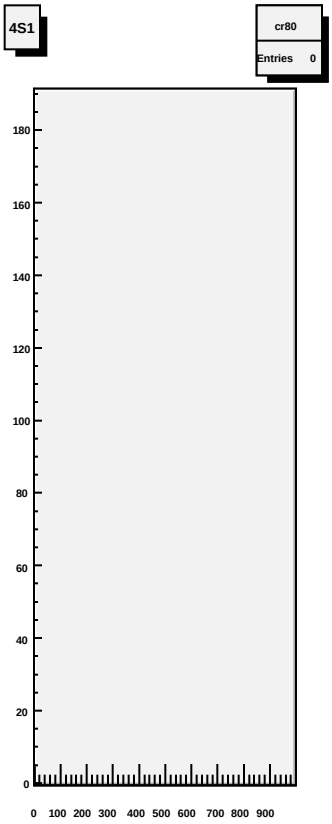

2P1
cr75
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

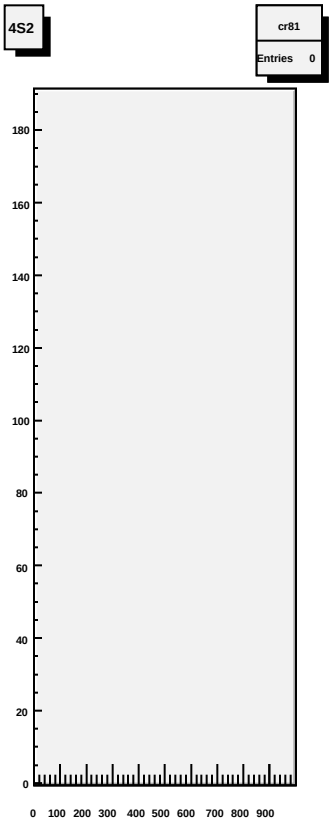

3S1
cr76
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

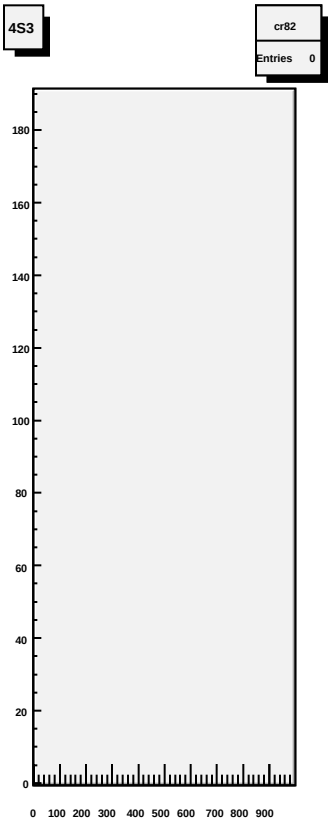

3S2
cr77
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

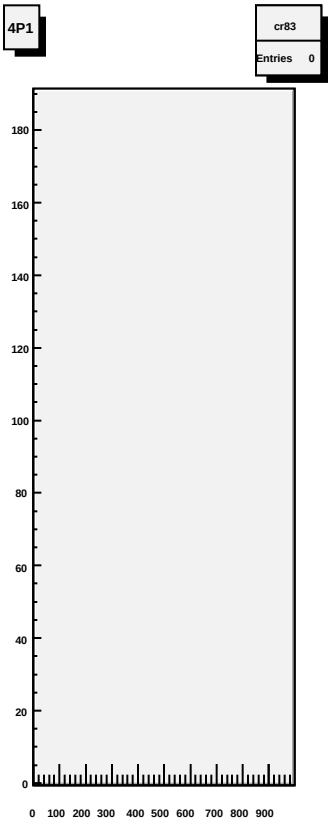

3S3
cr78
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

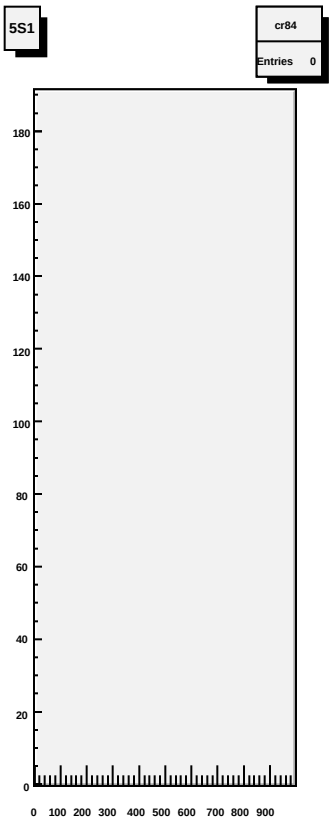

3P1
cr79
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

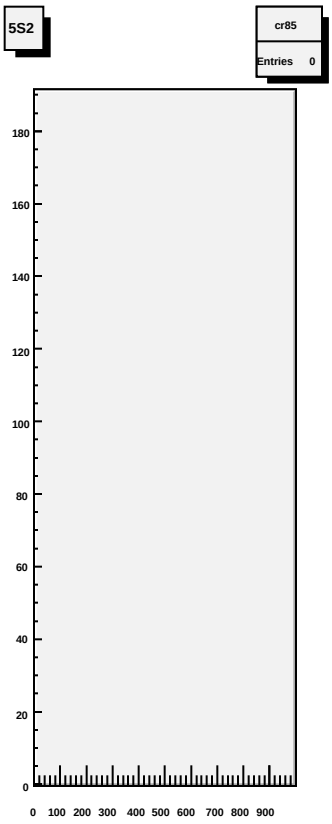

4S1
cr80
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

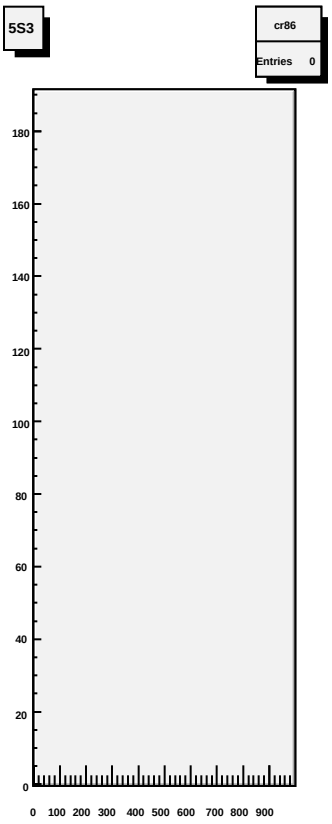

4S2
cr81
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

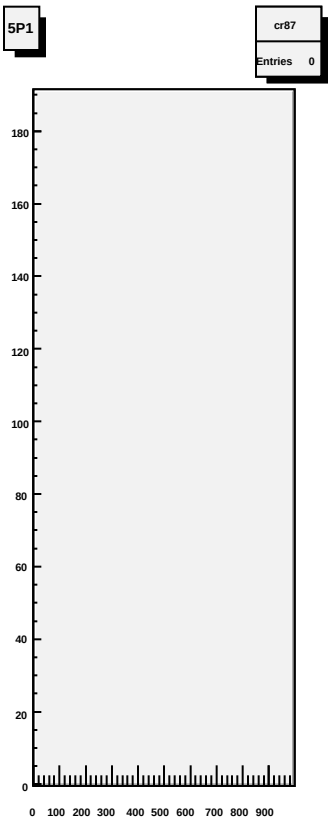

4S3
cr82
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

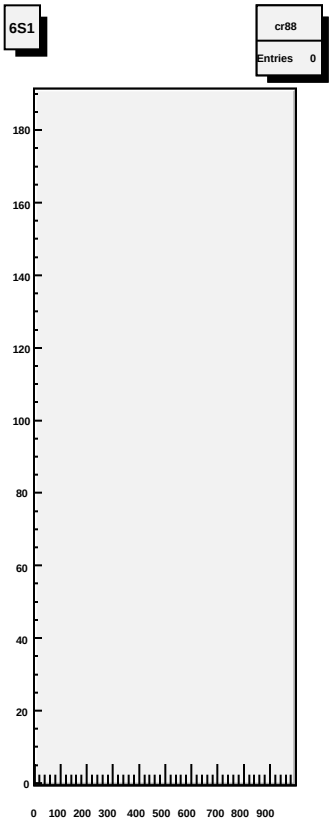

4P1
cr83
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

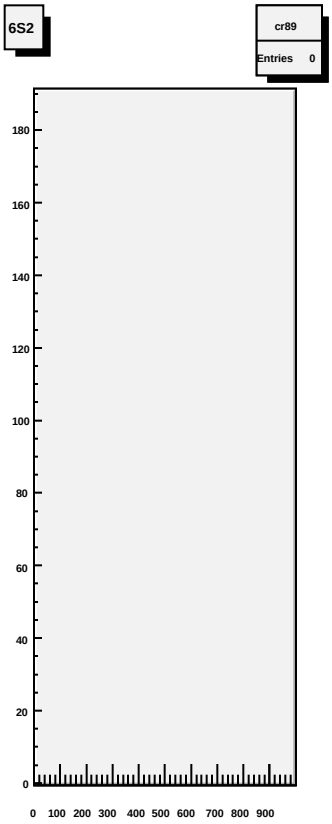

5S1
cr84
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

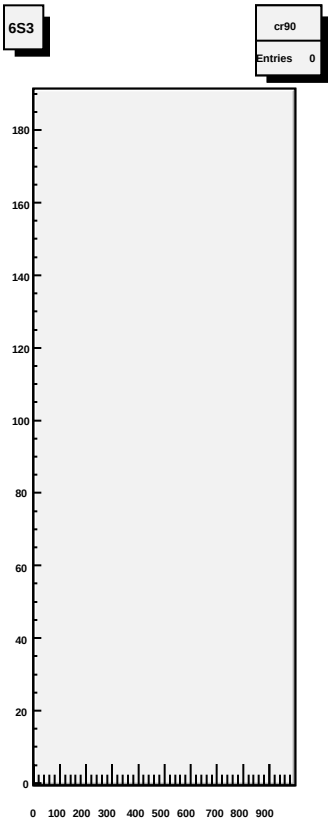

5S2
cr85
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

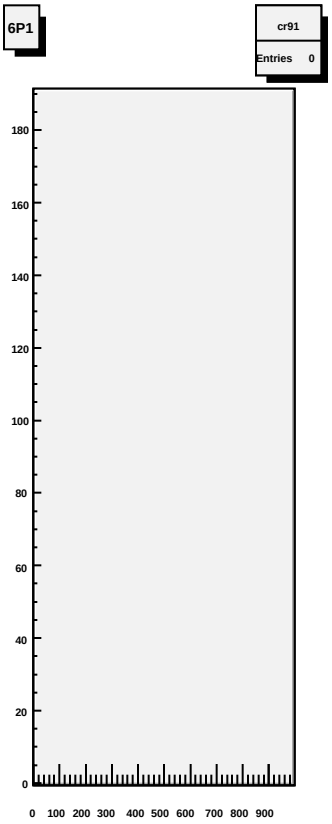

5S3
cr86
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

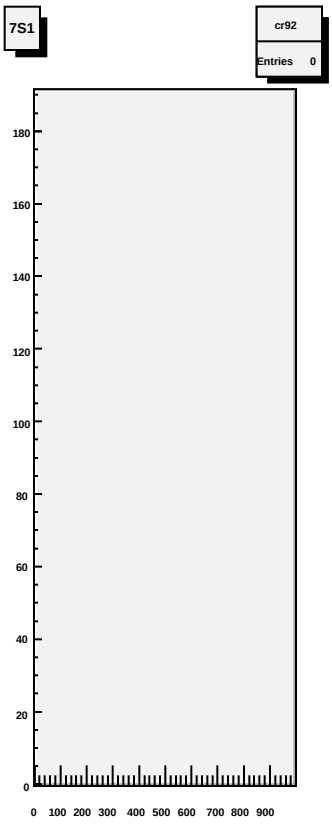

5P1
cr87
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

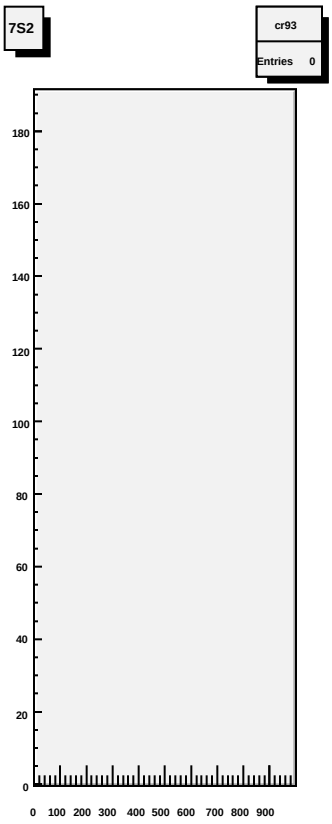

6S1
cr88
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

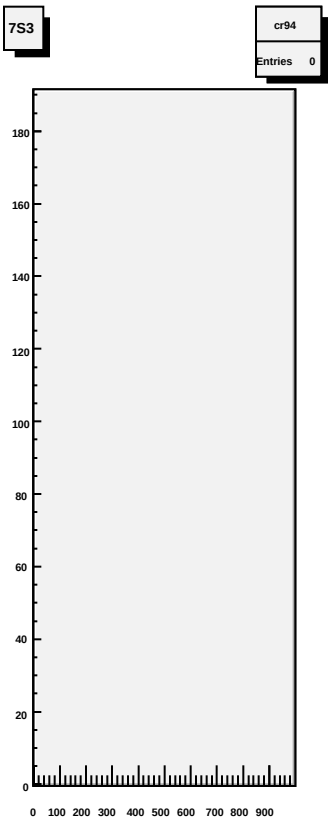

6S2
cr89
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

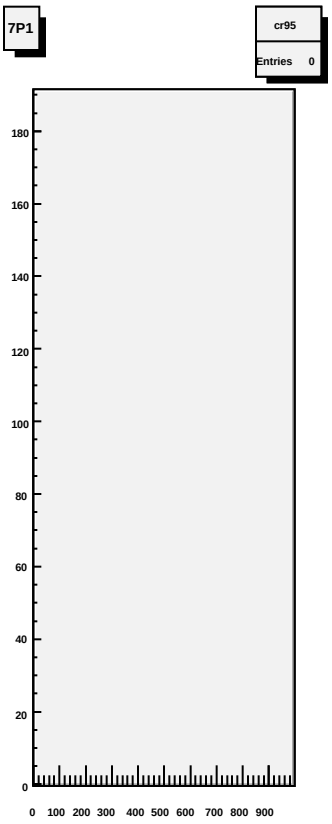

6S3
cr90
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

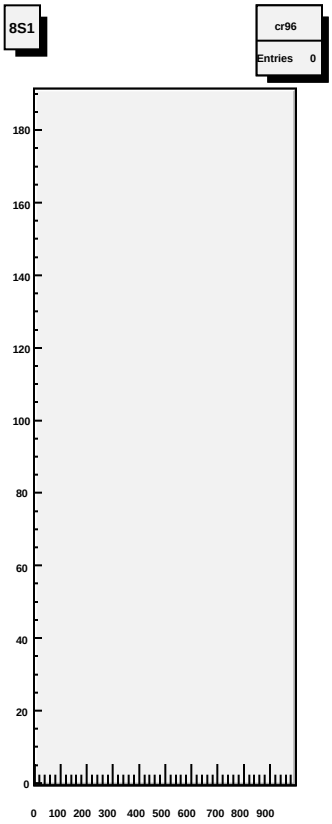

6P1
cr91
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

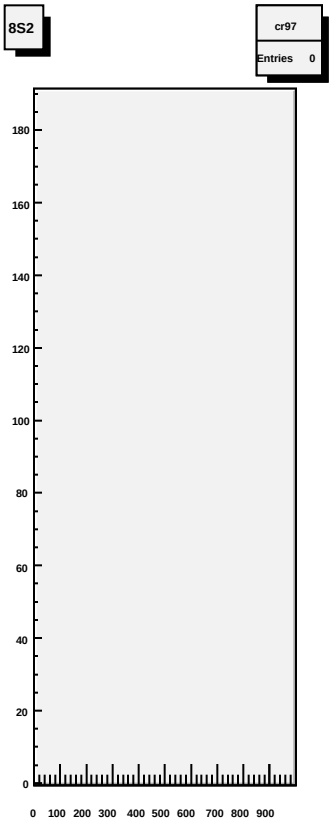

7S1
cr92
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

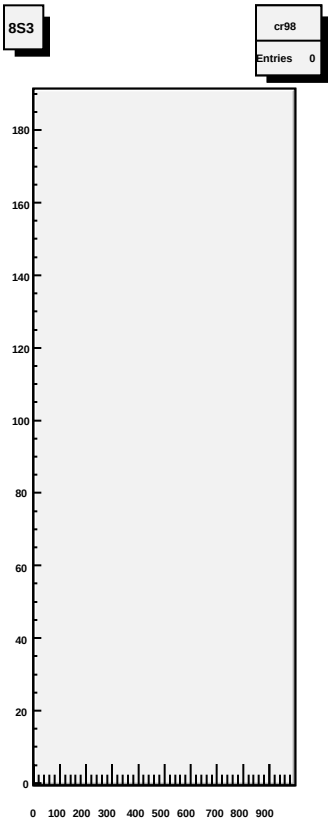

7S2
cr93
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

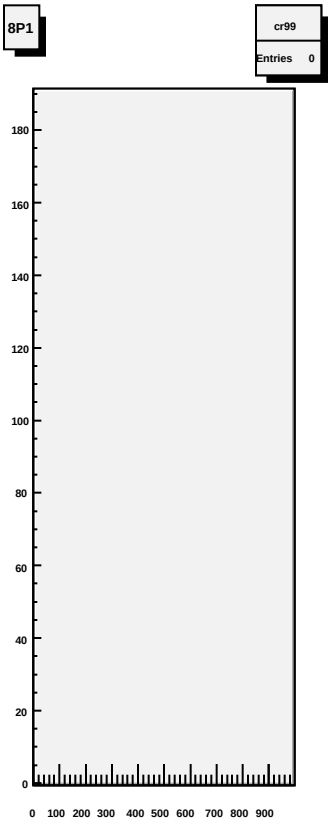

7S3
cr94
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

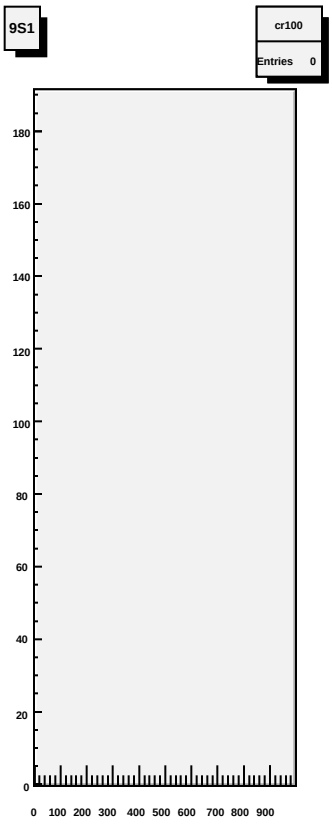

7P1
cr95
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

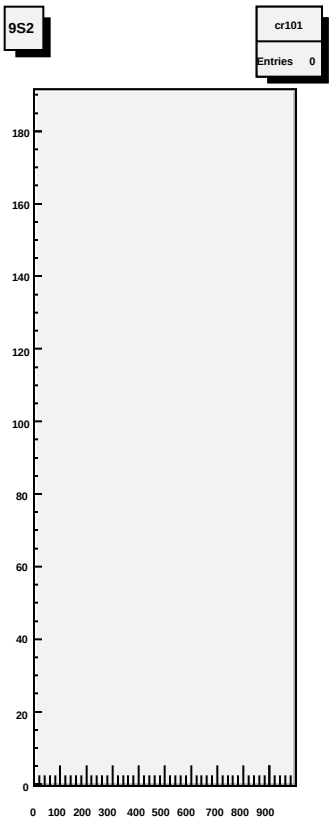

8S1
cr96
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

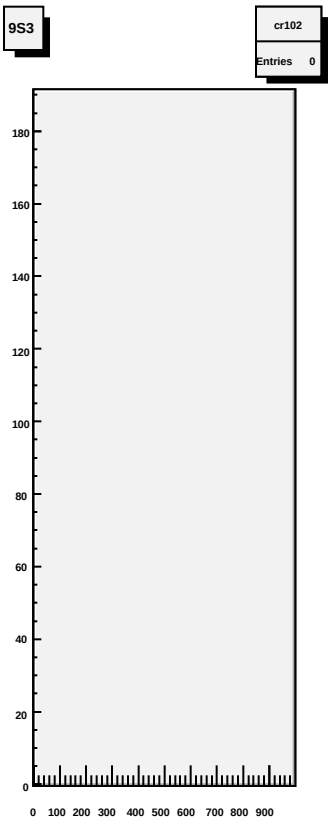

8S2
cr97
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

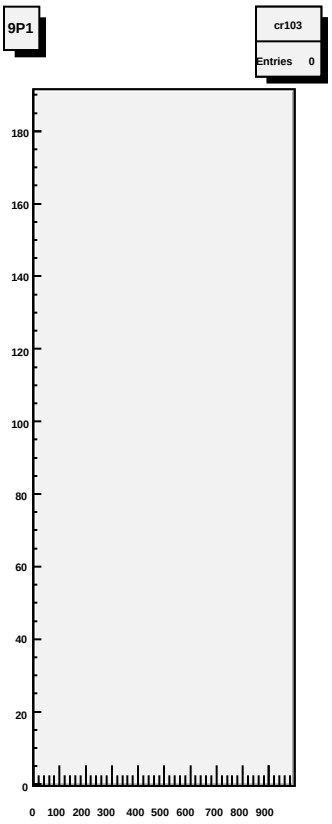

8S3
cr98
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

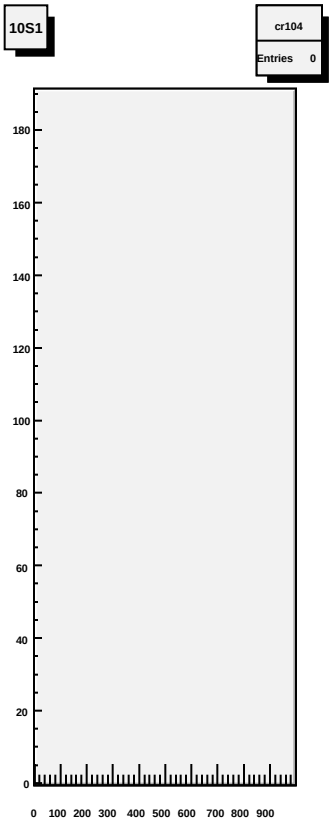

8P1
cr99
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

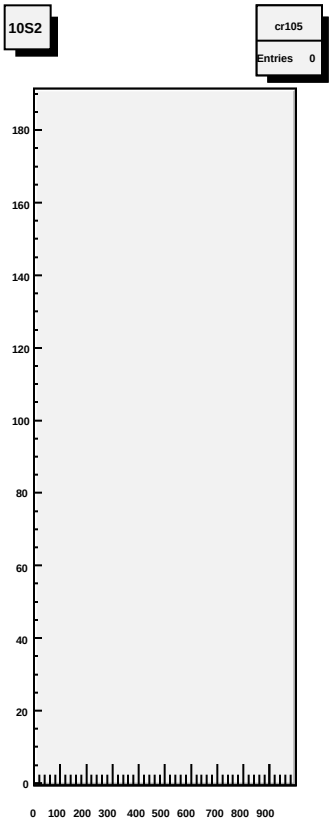

9S1
cr100
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

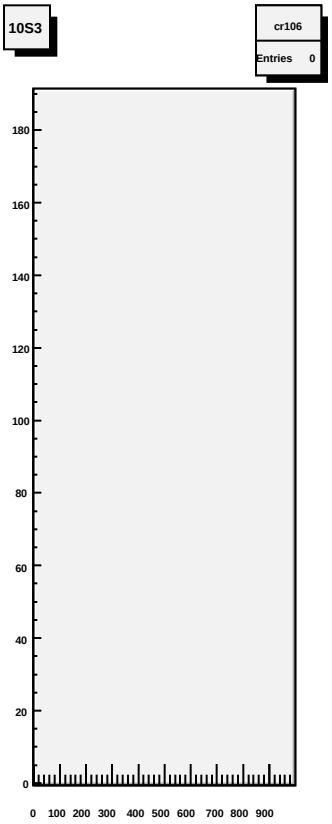

9S2
cr101
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

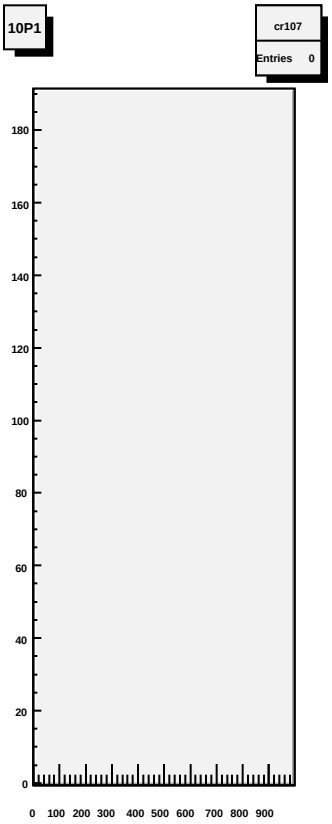

9S3
cr102
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

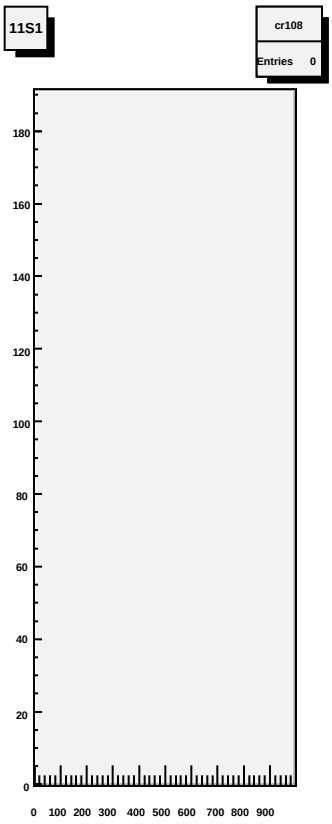

9P1
cr103
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

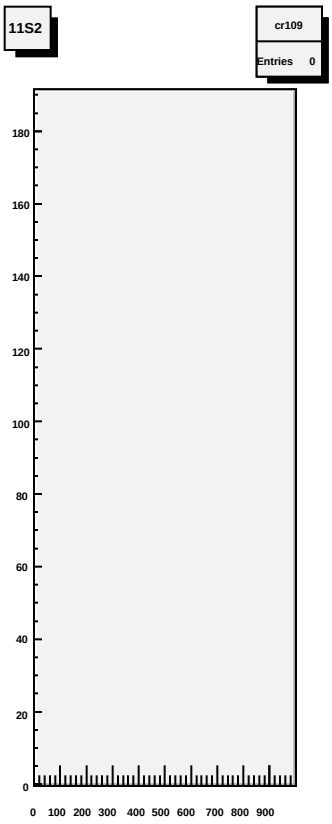

10S1
cr104
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

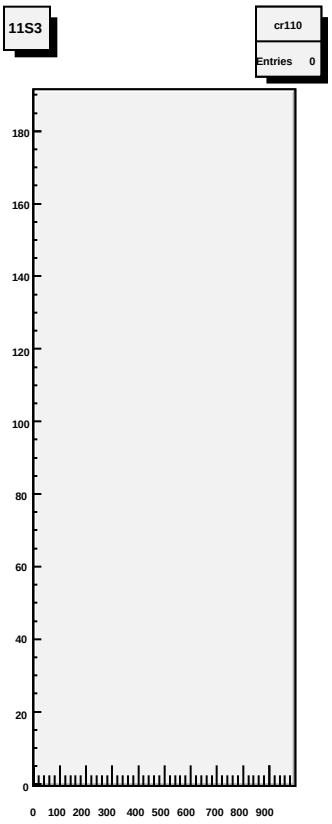

10S2
cr105
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

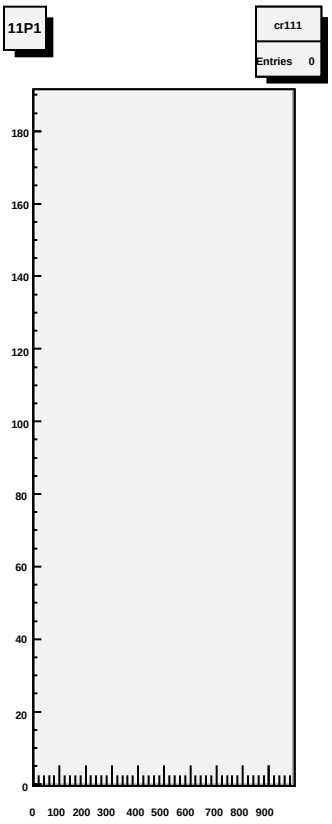

10S3
cr106
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

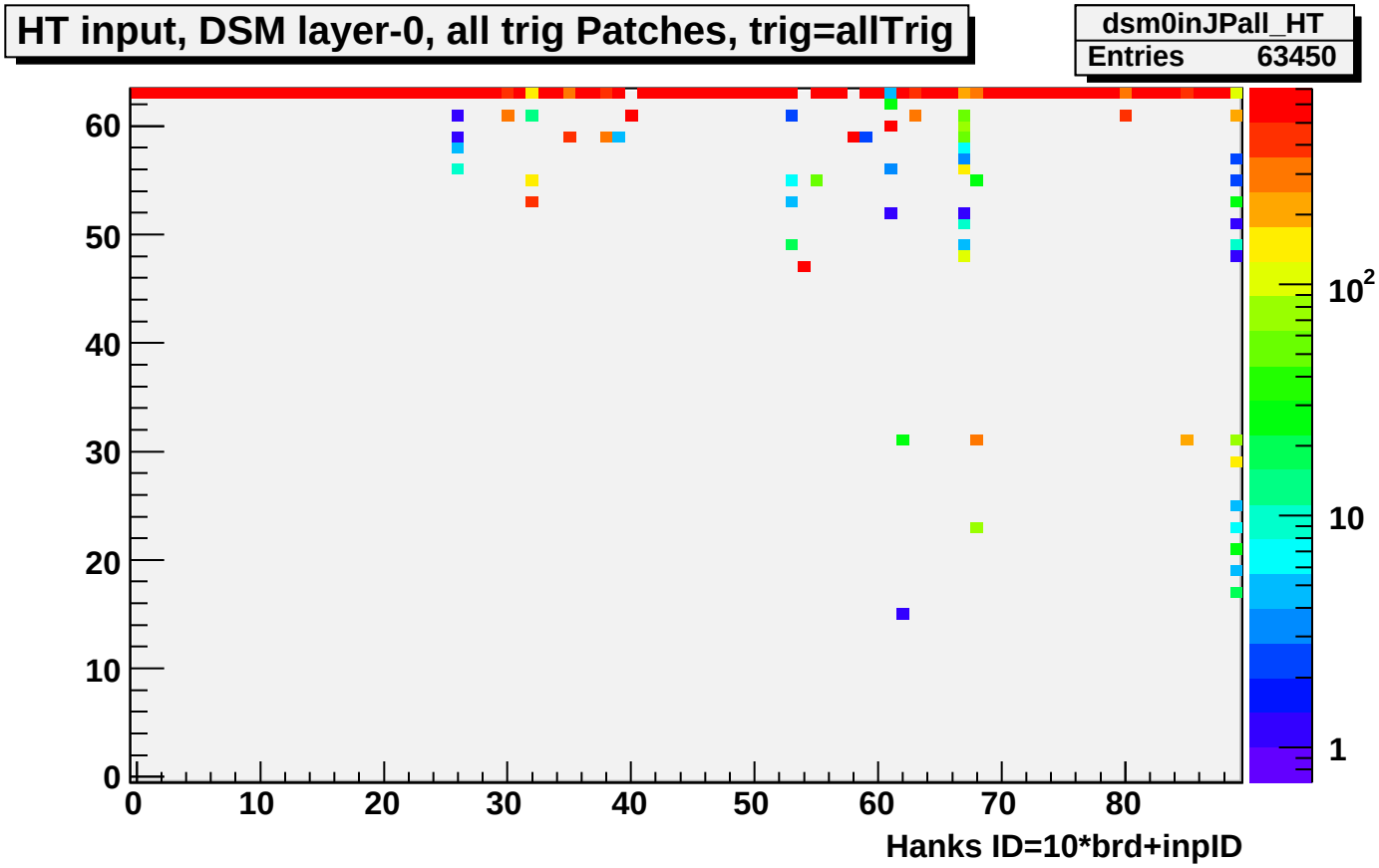

10P1
cr107
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

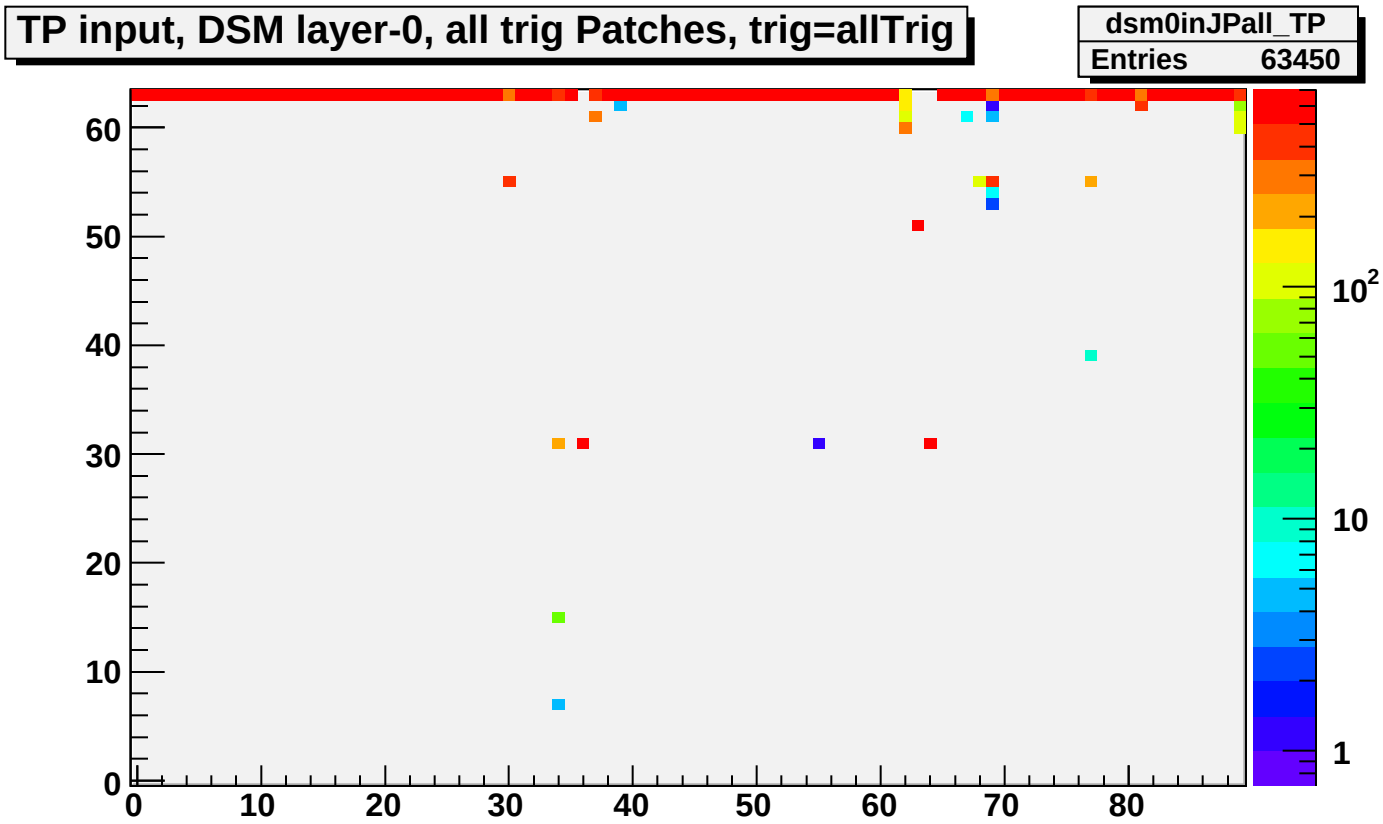

11S1
cr108
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

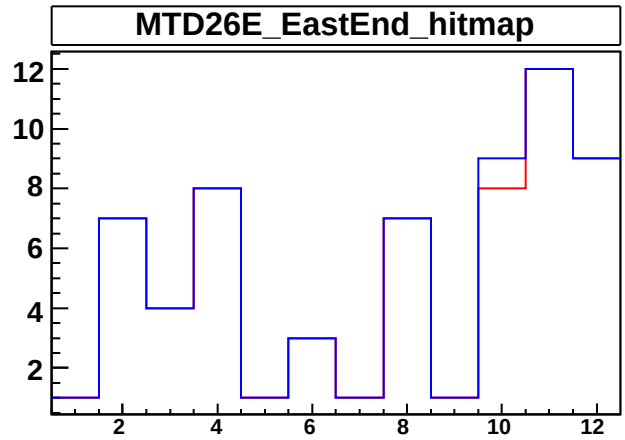

11S2
cr109
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

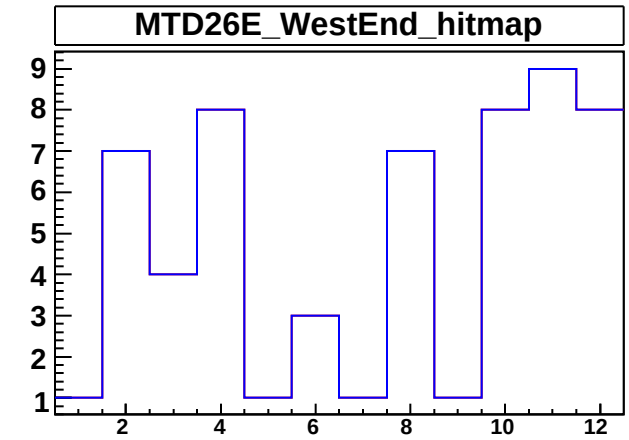

11S3
cr110
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

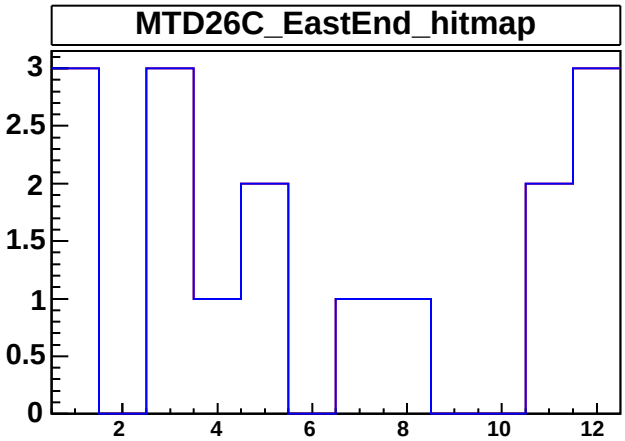

11P1
cr111
Entries 0
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

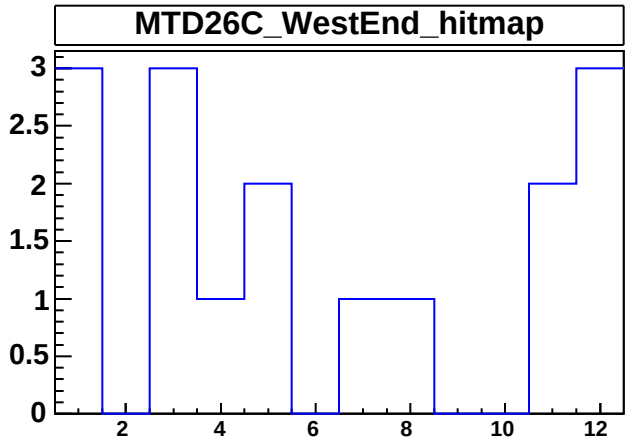

HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 63450
Hanks ID=10*brd+inpID

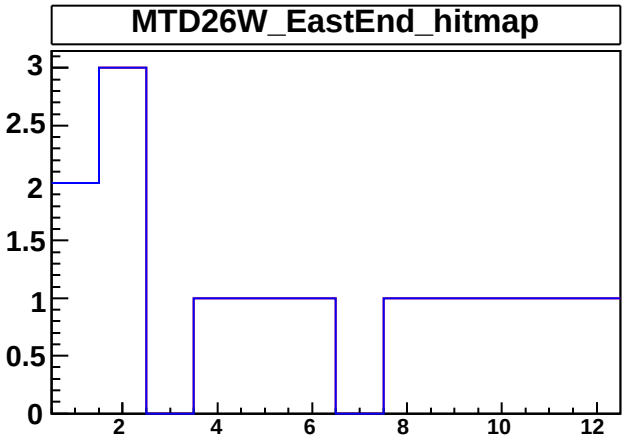

TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 63450

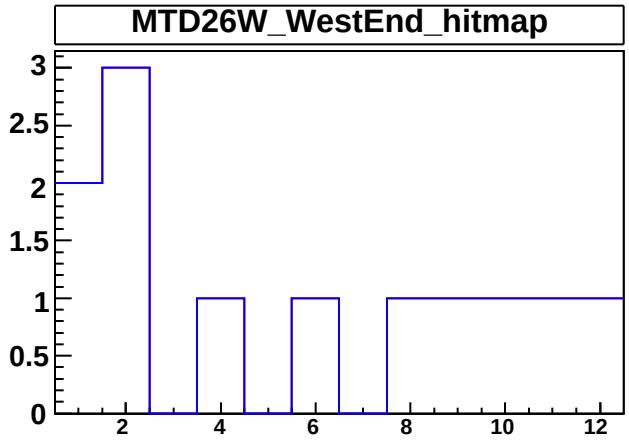

MTD26E_EastEnd_hitmap

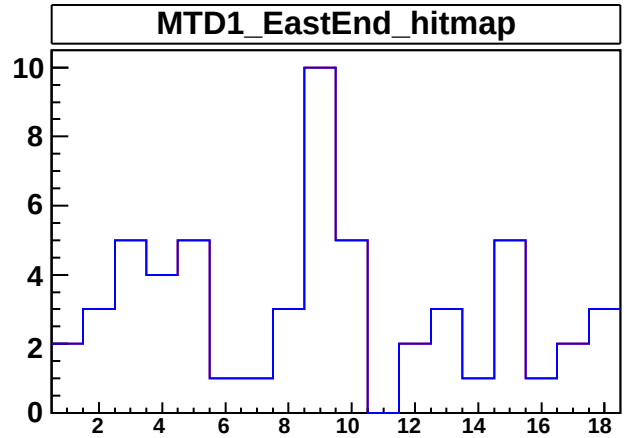

MTD26E_WestEnd_hitmap

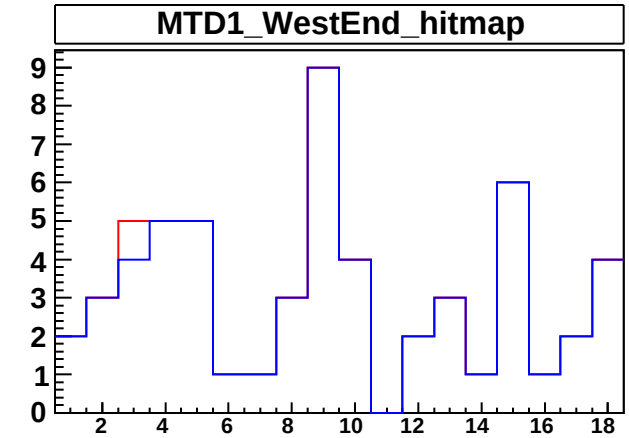

MTD26C_EastEnd_hitmap

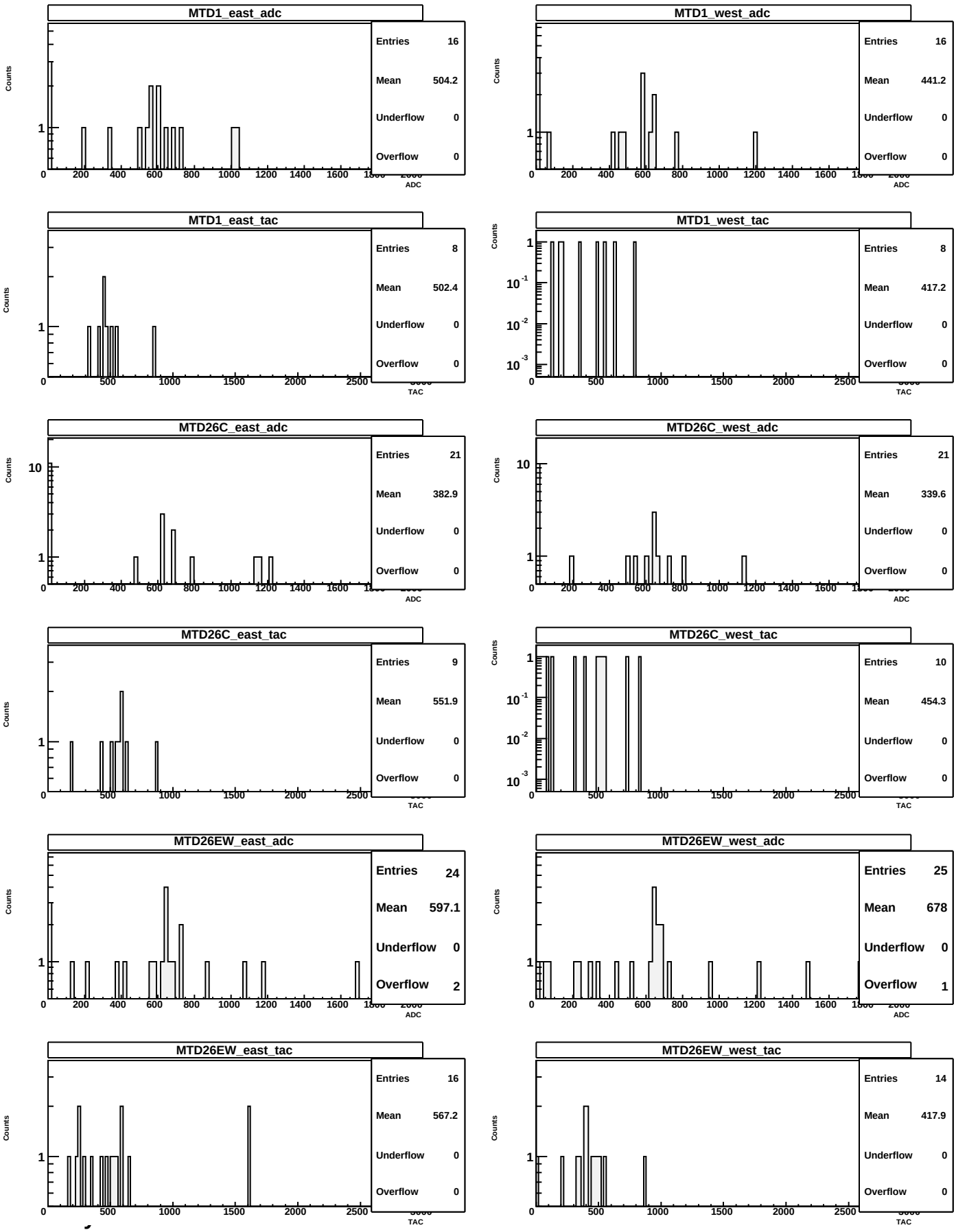

MTD26C_WestEnd_hitmap

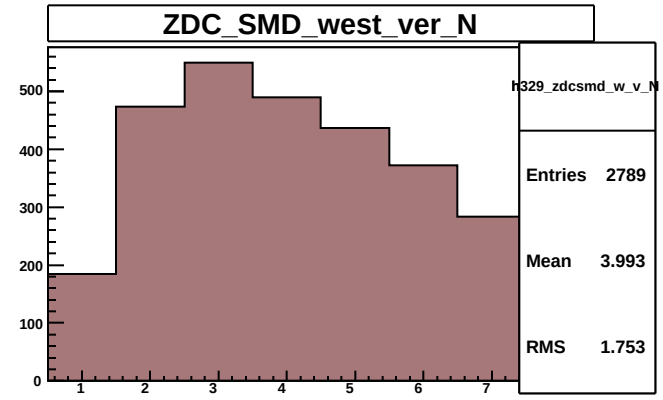

MTD26W_EastEnd_hitmap

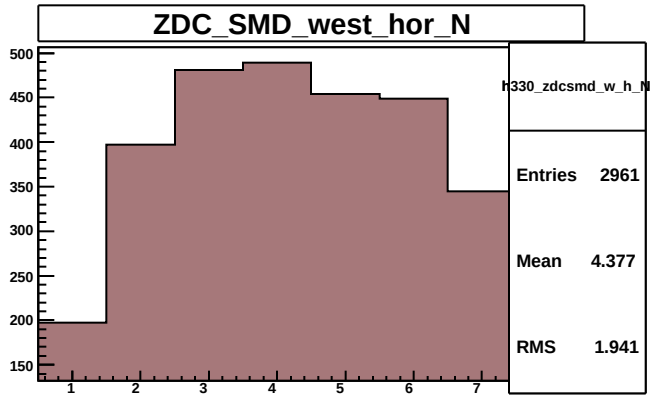

MTD26W_WestEnd_hitmap

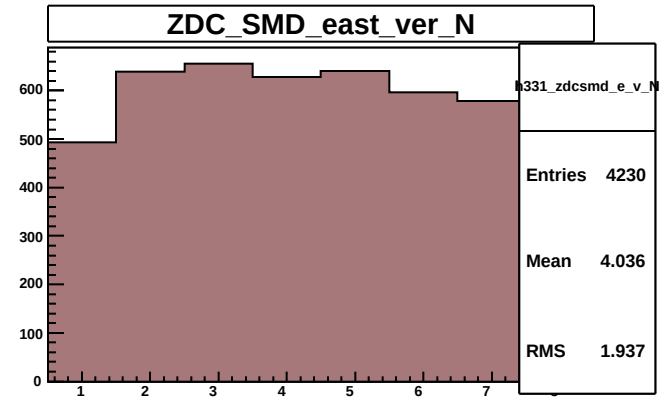

MTD1_EastEnd_hitmap

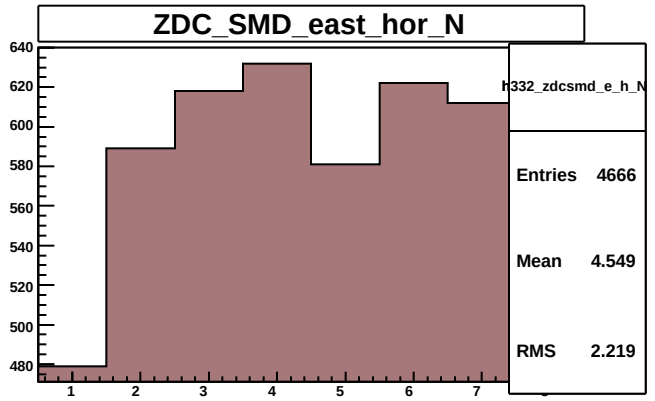

MTD1_WestEnd_hitmap

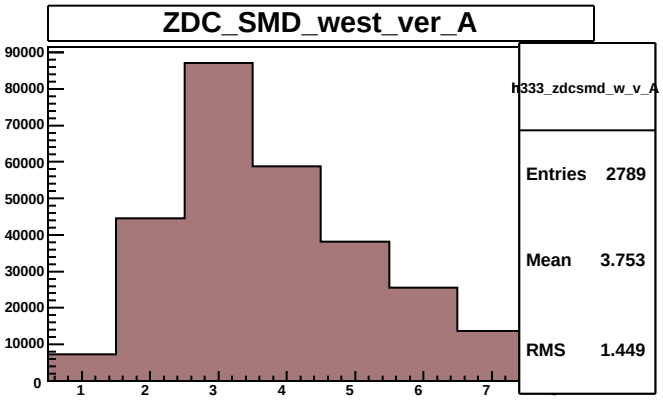

MTD1_east_adc
Entries 16
Mean 504.2
Underflow 0
Overflow 0
MTD1_west_adc
Entries 16
Mean 441.2
Underflow 0
Overflow 0
MTD1_east_tac
Entries 8
Mean 502.4
Underflow 0
Overflow 0
MTD1_west_tac
Entries 8
Mean 417.2
Underflow 0
Overflow 0
MTD26C_east_adc
Entries 21
Mean 382.9
Underflow 0
Overflow 0
MTD26C_west_adc
Entries 21
Mean 339.6
Underflow 0
Overflow 0
MTD26C_east_tac
Entries 9
Mean 551.9
Underflow 0
Overflow 0
MTD26C_west_tac
Entries 10
Mean 454.3
Underflow 0
Overflow 0
MTD26EW_east_adc
Entries 24
Mean 597.1
Underflow 0
Overflow 2
MTD26EW_west_adc
Entries 25
Mean 678
Underflow 0
Overflow 1
MTD26EW_east_tac
Entries 16
Mean 567.2
Underflow 0
Overflow 0
MTD26EW_west_tac
Entries 14
Mean 417.9
Underflow 0
Overflow 0
Counts
ADC
TAC

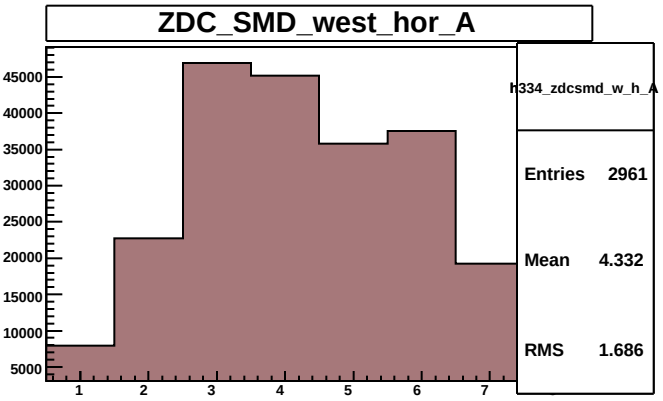

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 2789
Mean 3.993
RMS 1.753

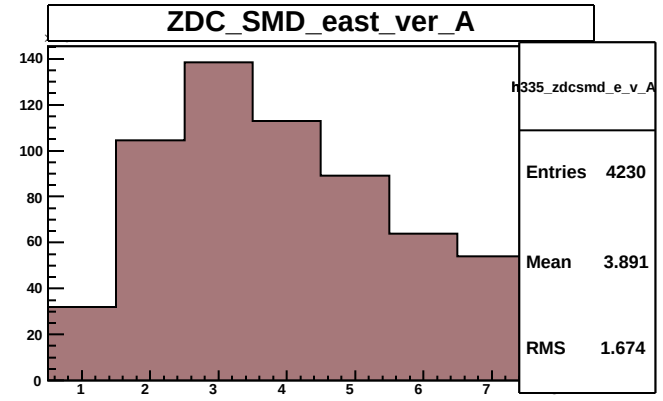

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 2961
Mean 4.377
RMS 1.941

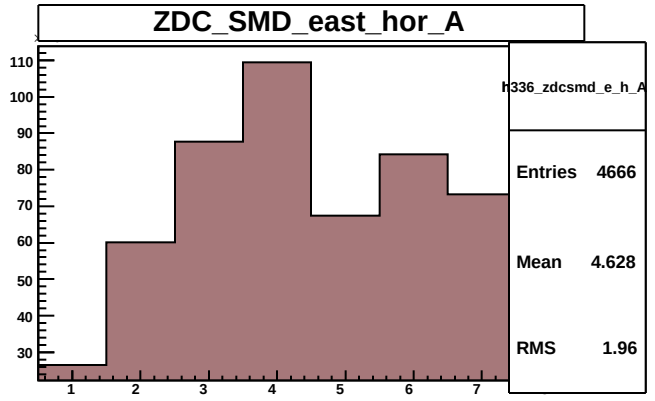

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 4230
Mean 4.036
RMS 1.937

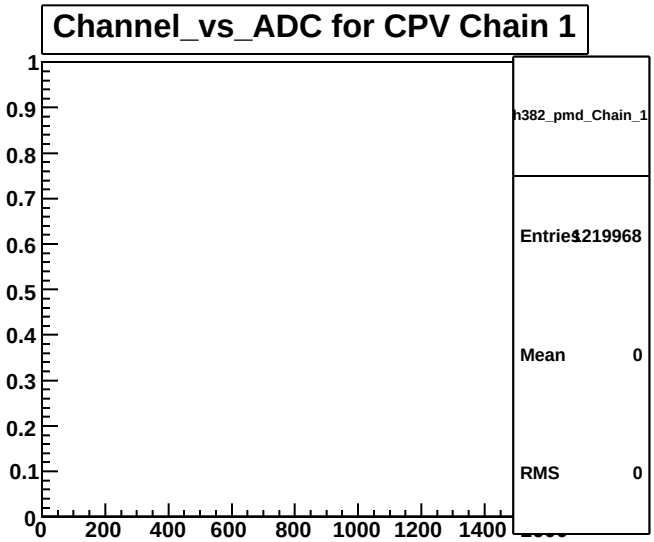

ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 4666
Mean 4.549
RMS 2.219

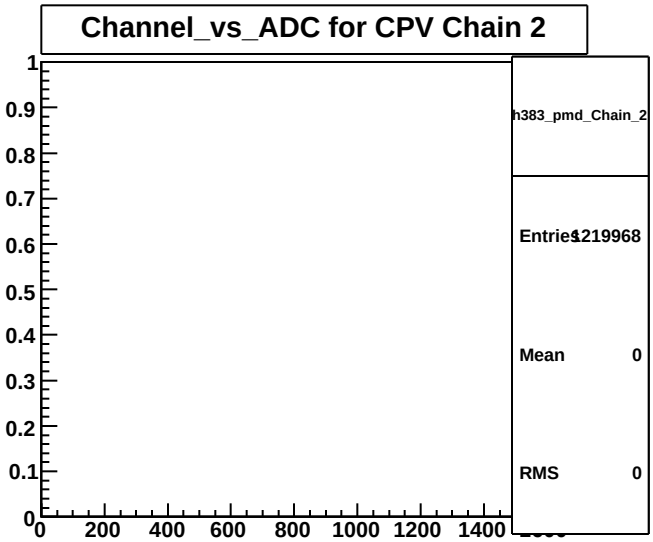

ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 2789
Mean 3.753
RMS 1.449

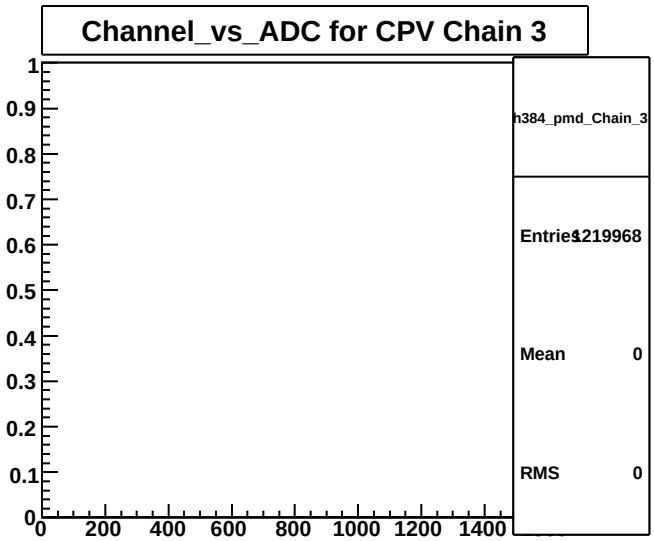

ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 2961
Mean 4.332
RMS 1.686

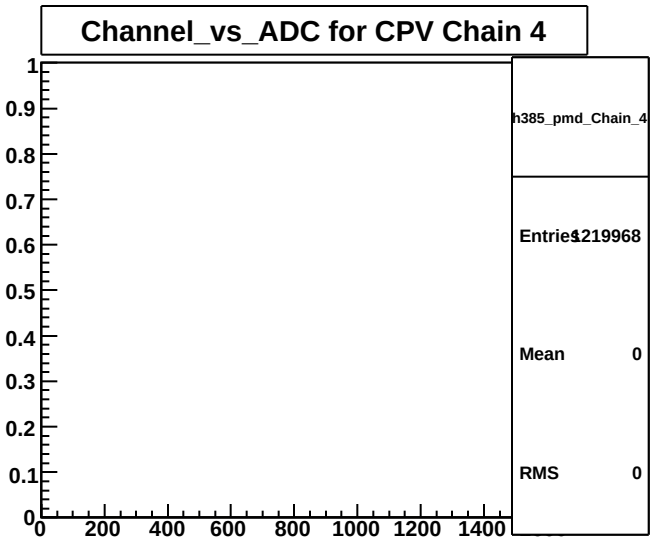

ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 4230
Mean 3.891
RMS 1.674

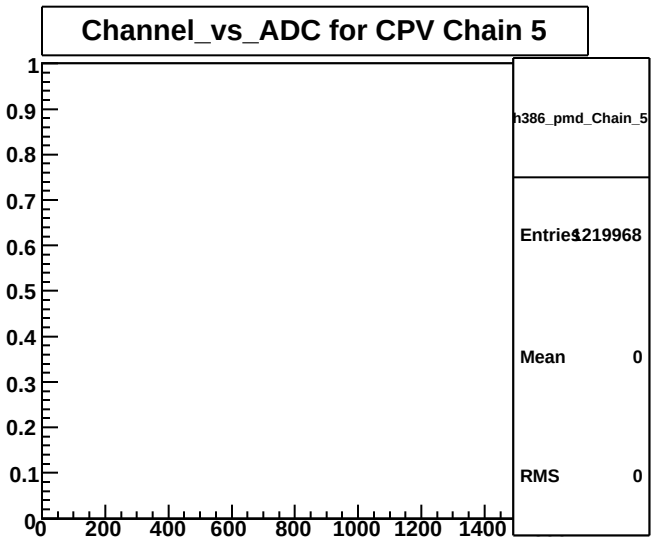

ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 4666
Mean 4.628
RMS 1.96

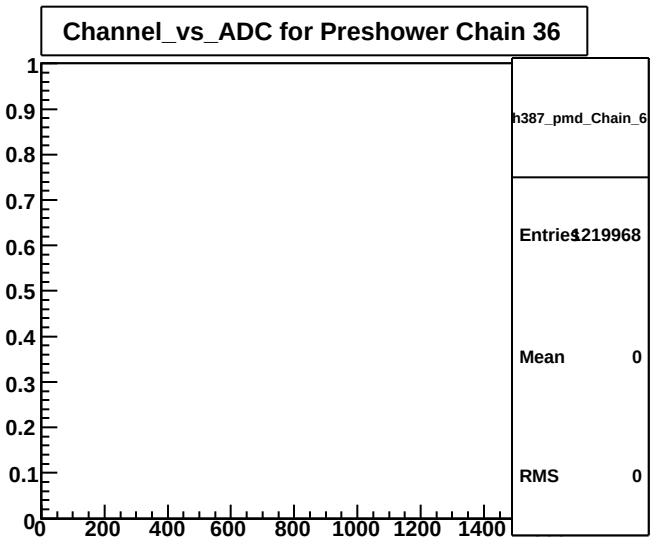

Channel_vs_ADC for CPV Chain 1
h382_pmd_Chain_1
Entries 1219968
Mean 0
RMS 0

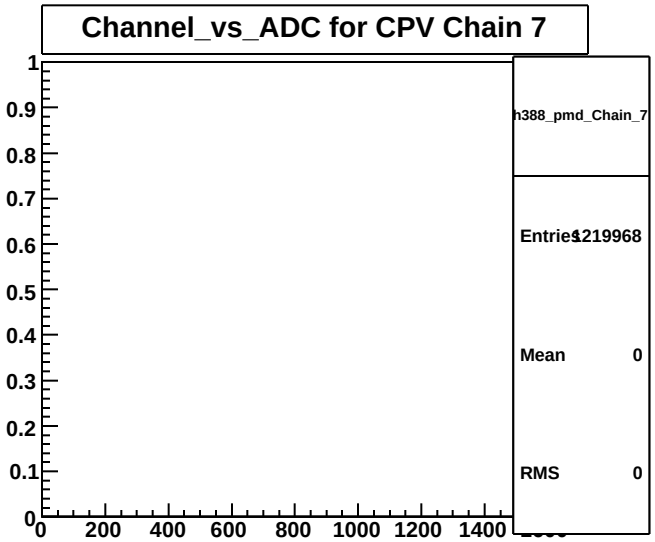

Channel_vs_ADC for CPV Chain 2
h383_pmd_Chain_2
Entries 1219968
Mean 0
RMS 0

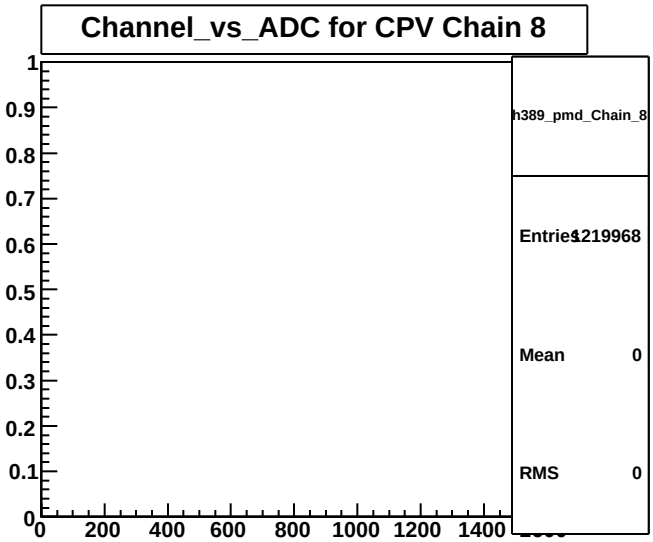

Channel_vs_ADC for CPV Chain 3
h384_pmd_Chain_3
Entries 1219968
Mean 0
RMS 0

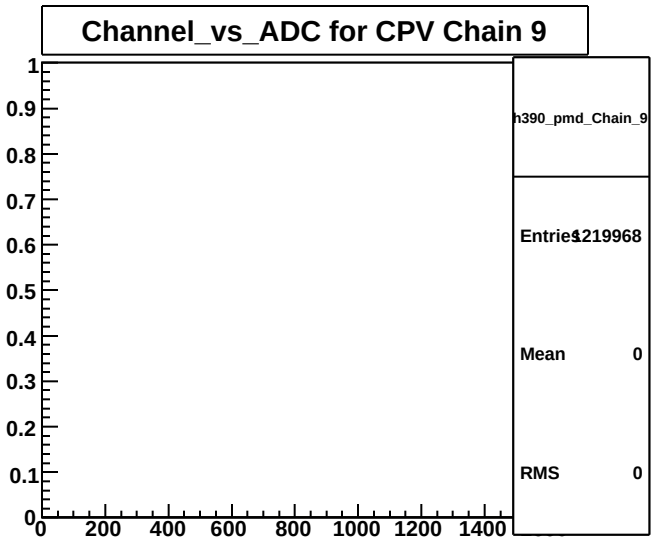

Channel_vs_ADC for CPV Chain 4
h385_pmd_Chain_4
Entries 1219968
Mean 0
RMS 0

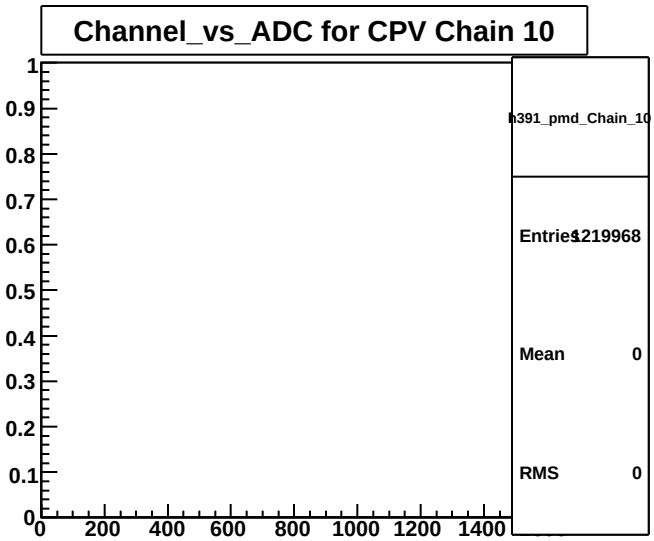

Channel_vs_ADC for CPV Chain 5
h386_pmd_Chain_5
Entries 1219968
Mean 0
RMS 0

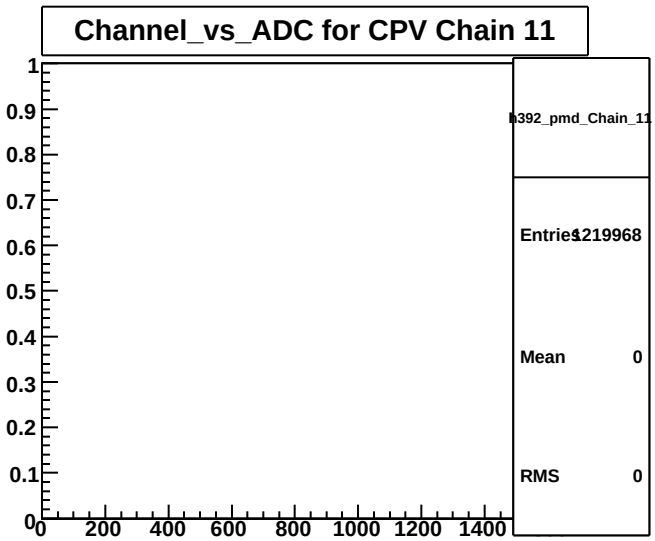

Channel_vs_ADC for Preshower Chain 36
h387_pmd_Chain_6
Entries 1219968
Mean 0
RMS 0

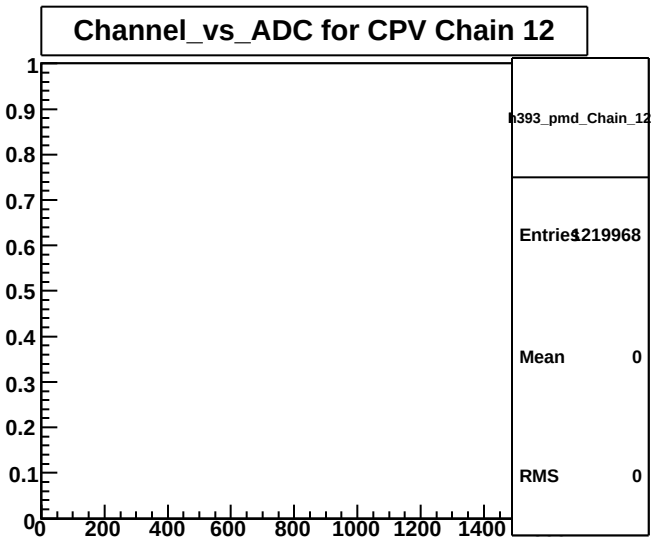

Channel_vs_ADC for CPV Chain 7
h388_pmd_Chain_7
Entries 1219968
Mean 0
RMS 0

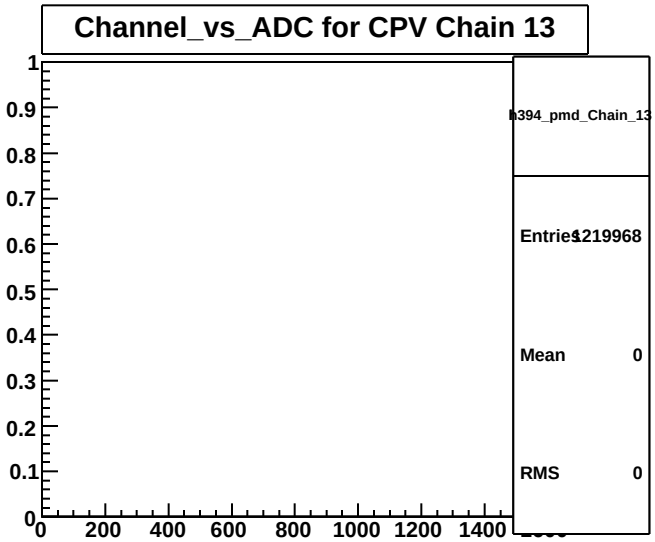

Channel_vs_ADC for CPV Chain 8
h389_pmd_Chain_8
Entries 1219968
Mean 0
RMS 0

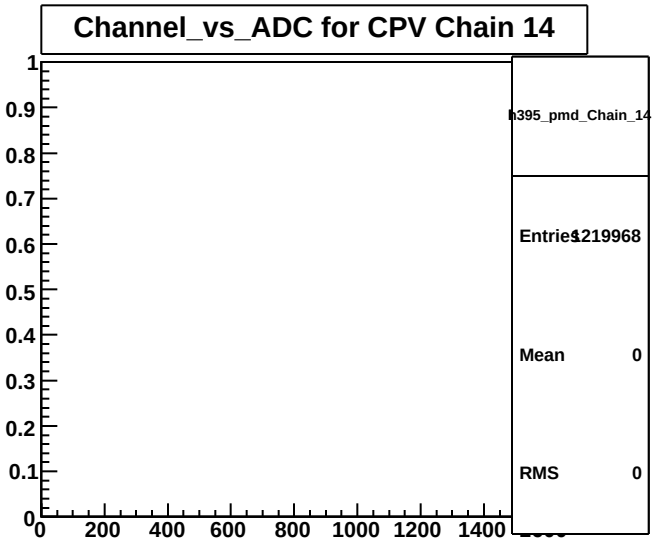

Channel_vs_ADC for CPV Chain 9
h390_pmd_Chain_9
Entries 1219968
Mean 0
RMS 0

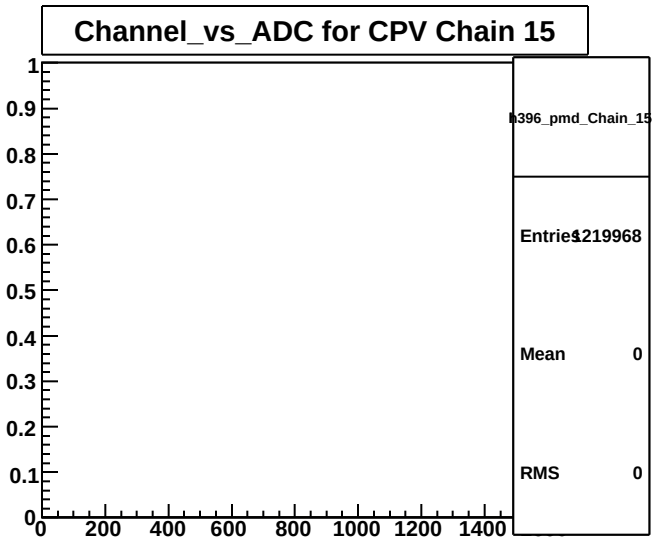

Channel_vs_ADC for CPV Chain 10
h391_pmd_Chain_10
Entries 1219968
Mean 0
RMS 0

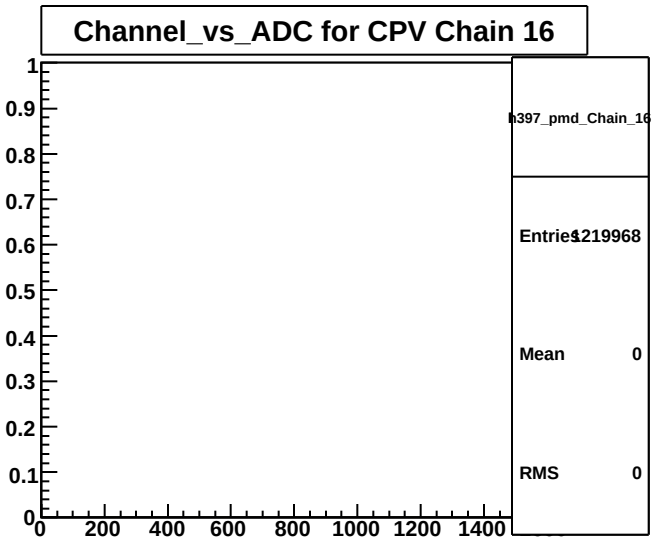

Channel_vs_ADC for CPV Chain 11
h392_pmd_Chain_11
Entries 1219968
Mean 0
RMS 0

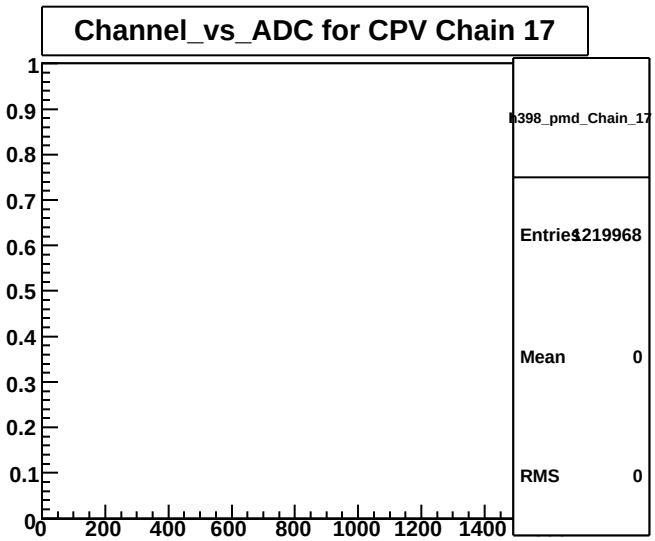

Channel_vs_ADC for CPV Chain 12
h393_pmd_Chain_12
Entries 1219968
Mean 0
RMS 0

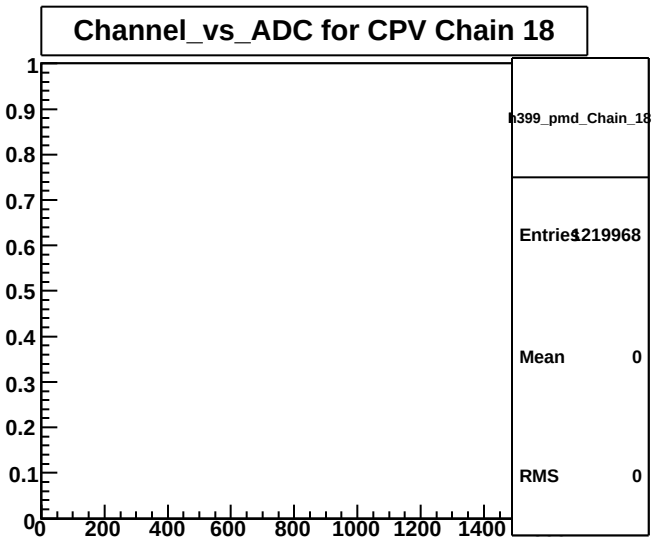

Channel_vs_ADC for CPV Chain 13
h394_pmd_Chain_13
Entries 1219968
Mean 0
RMS 0

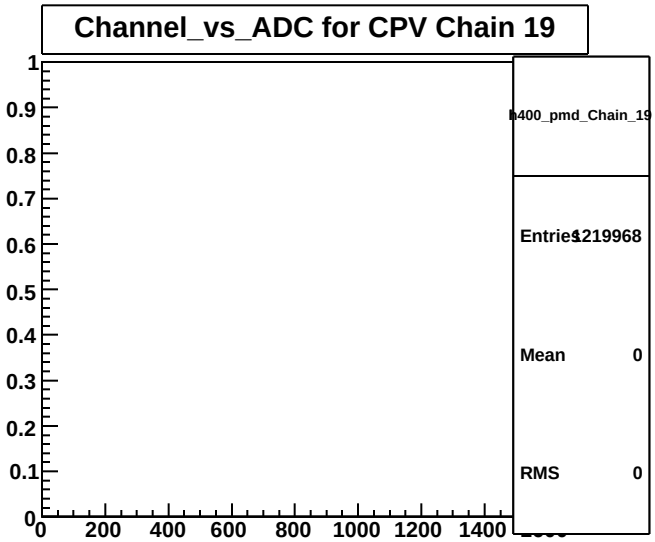

Channel_vs_ADC for CPV Chain 14
h395_pmd_Chain_14
Entries 1219968
Mean 0
RMS 0

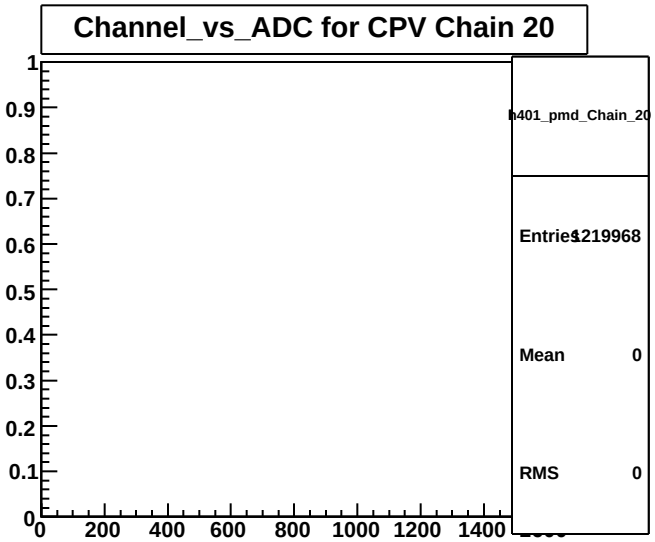

Channel_vs_ADC for CPV Chain 15
h396_pmd_Chain_15
Entries 1219968
Mean 0
RMS 0

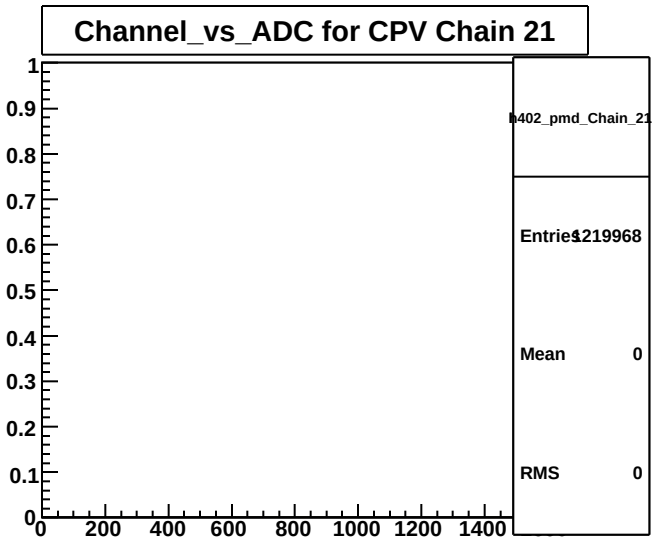

Channel_vs_ADC for CPV Chain 16
h397_pmd_Chain_16
Entries 1219968
Mean 0
RMS 0

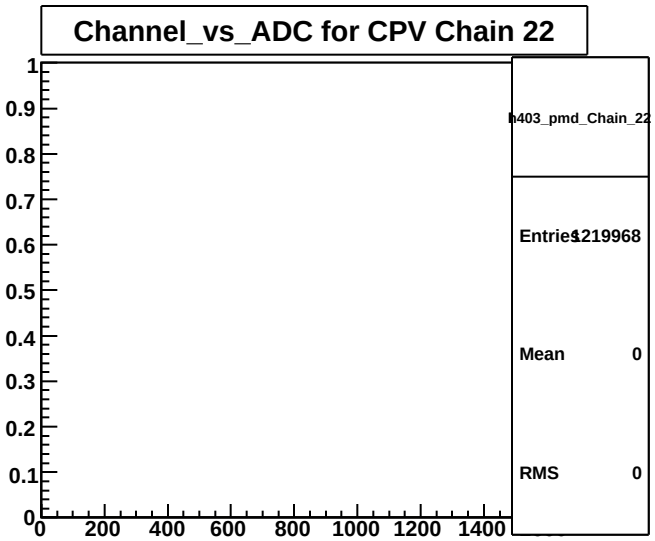

Channel_vs_ADC for CPV Chain 17
h398_pmd_Chain_17
Entries 1219968
Mean 0
RMS 0

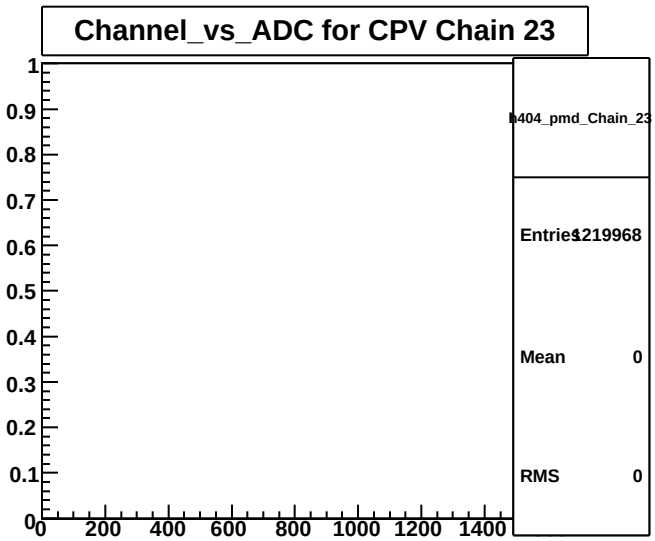

Channel_vs_ADC for CPV Chain 18
h399_pmd_Chain_18
Entries 1219968
Mean 0
RMS 0

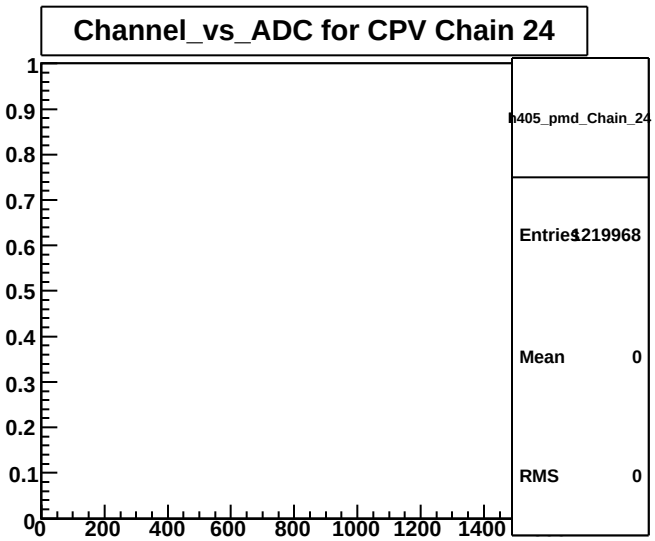

Channel_vs_ADC for CPV Chain 19
h400_pmd_Chain_19
Entries 1219968
Mean 0
RMS 0

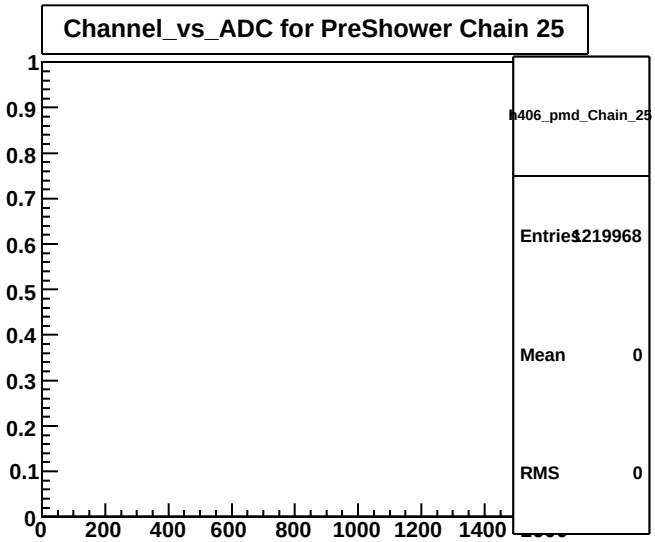

Channel_vs_ADC for CPV Chain 20
h401_pmd_Chain_20
Entries 1219968
Mean 0
RMS 0

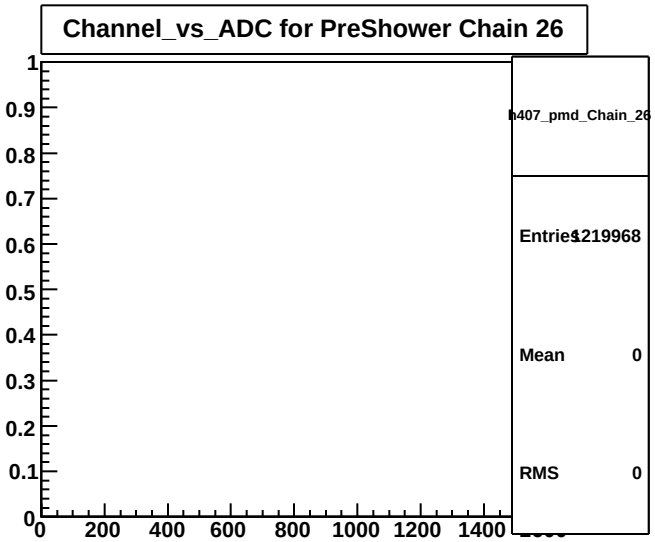

Channel_vs_ADC for CPV Chain 21
h402_pmd_Chain_21
Entries 1219968
Mean 0
RMS 0

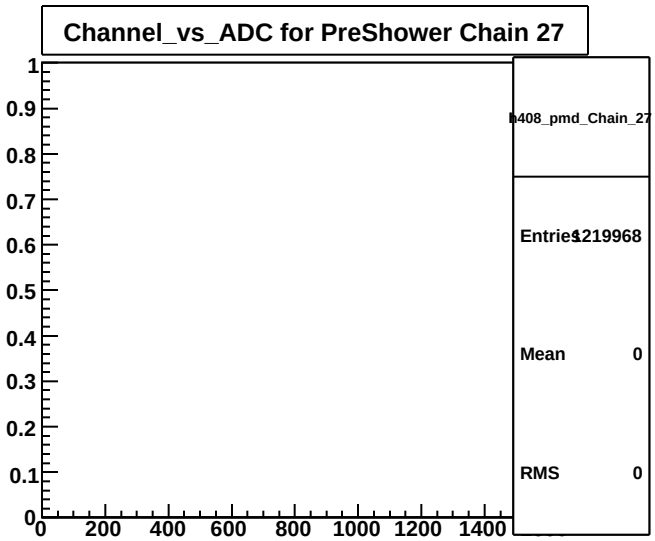

Channel_vs_ADC for CPV Chain 22
h403_pmd_Chain_22
Entries 1219968
Mean 0
RMS 0

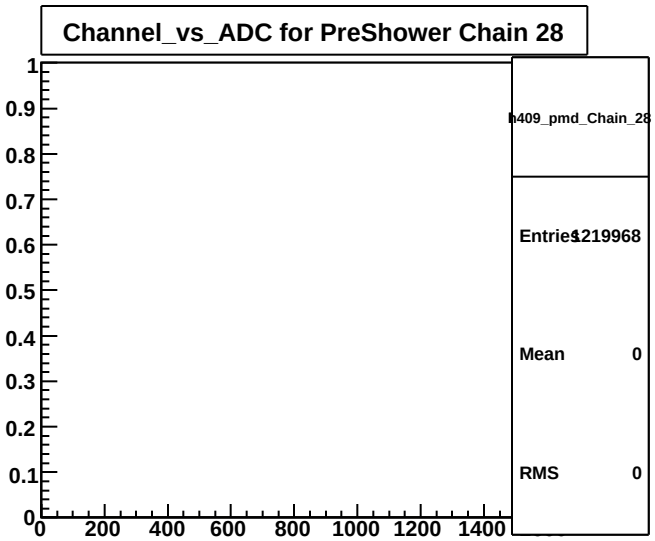

Channel_vs_ADC for CPV Chain 23
h404_pmd_Chain_23
Entries 1219968
Mean 0
RMS 0

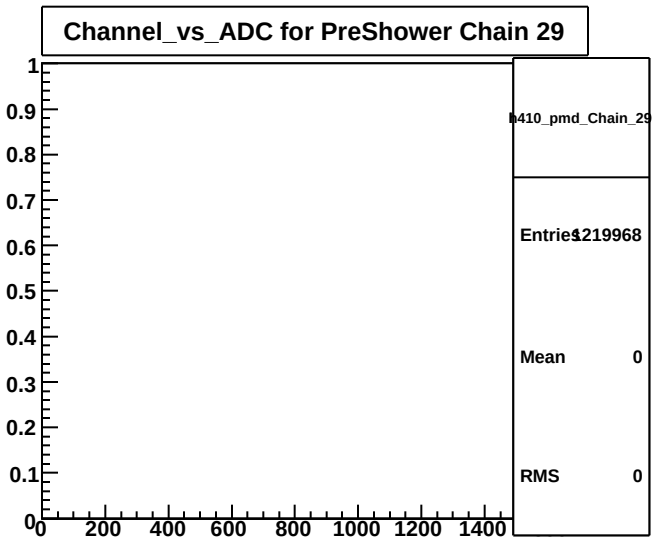

Channel_vs_ADC for CPV Chain 24
h405_pmd_Chain_24
Entries 1219968
Mean 0
RMS 0

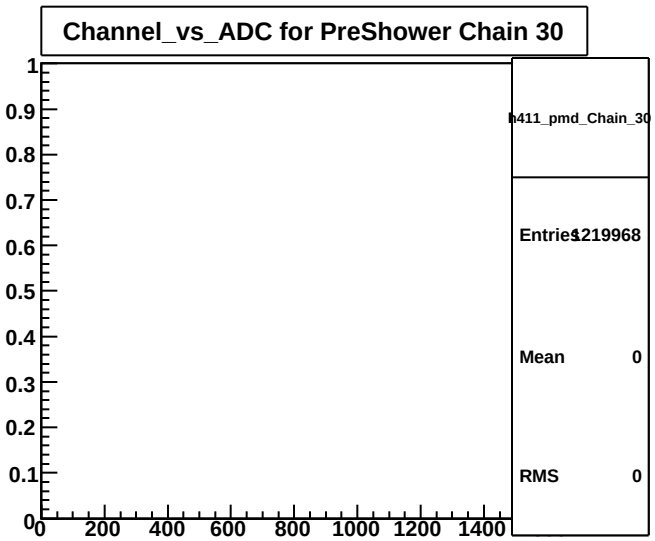

Channel_vs_ADC for PreShower Chain 25
h406_pmd_Chain_25
Entries 1219968
Mean 0
RMS 0

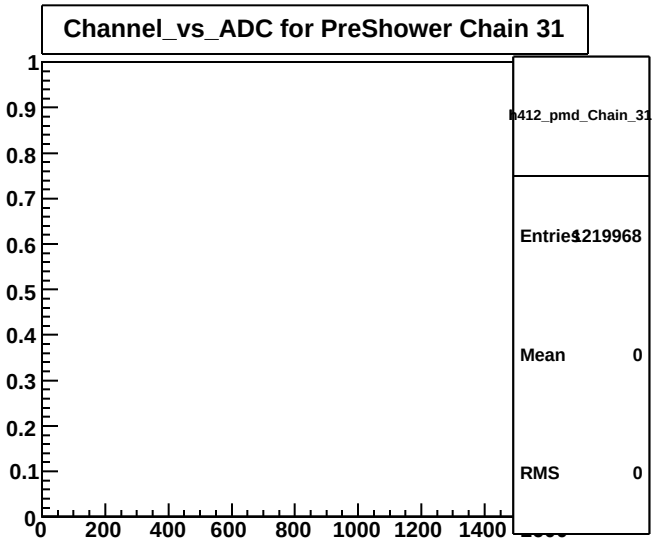

Channel_vs_ADC for PreShower Chain 26
h407_pmd_Chain_26
Entries 1219968
Mean 0
RMS 0

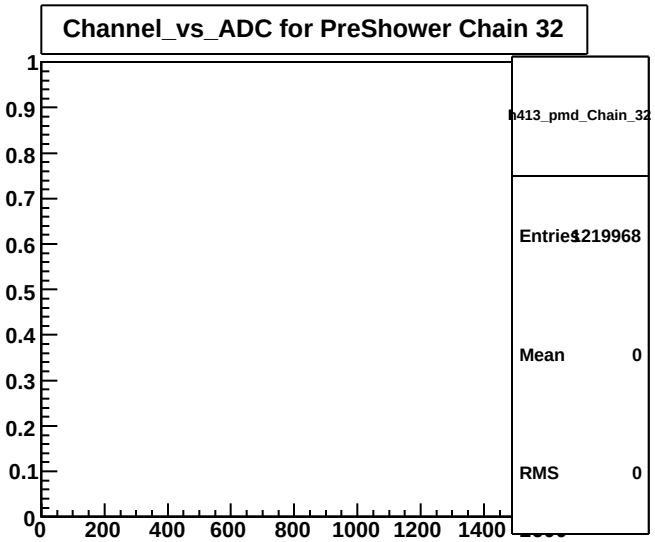

Channel_vs_ADC for PreShower Chain 27
h408_pmd_Chain_27
Entries 1219968
Mean 0
RMS 0

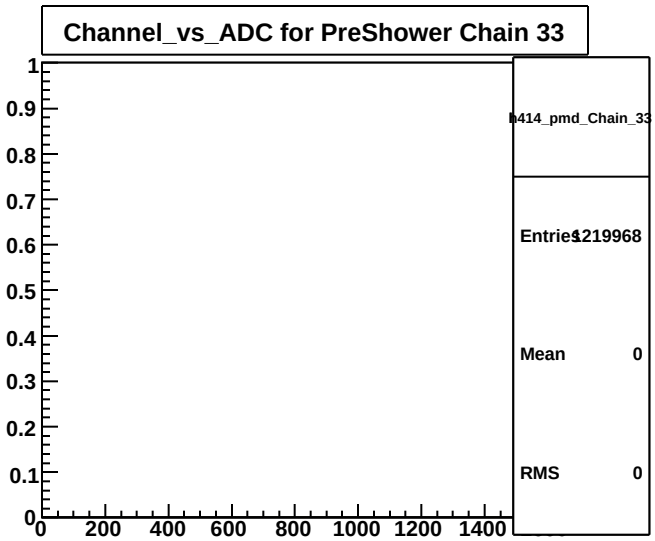

Channel_vs_ADC for PreShower Chain 28
h409_pmd_Chain_28
Entries 1219968
Mean 0
RMS 0

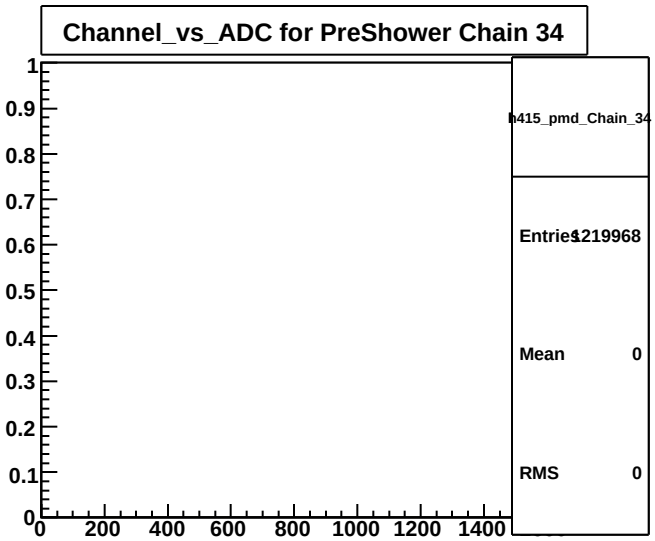

Channel_vs_ADC for PreShower Chain 29
h410_pmd_Chain_29
Entries 1219968
Mean 0
RMS 0

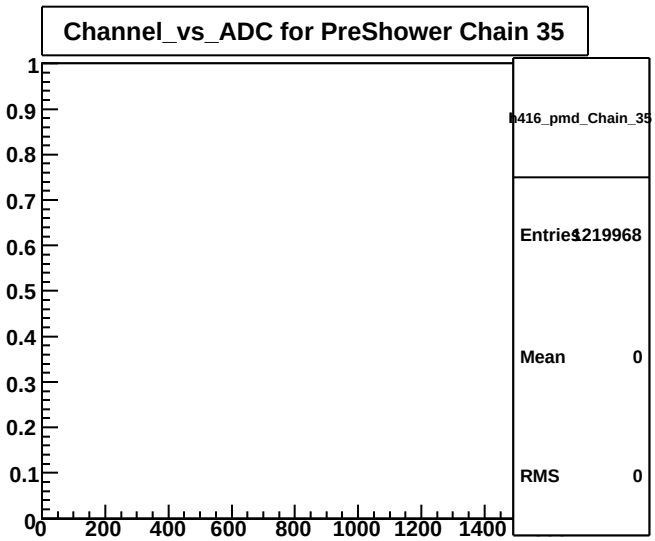

Channel_vs_ADC for PreShower Chain 30
h411_pmd_Chain_30
Entries 1219968
Mean 0
RMS 0

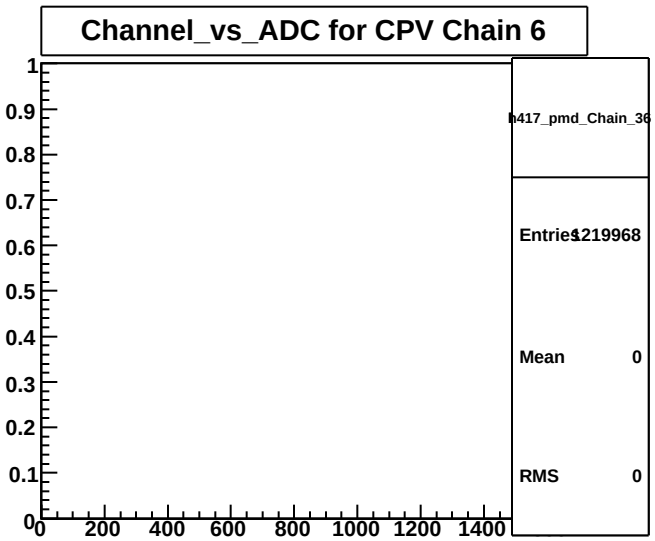

Channel_vs_ADC for PreShower Chain 31
h412_pmd_Chain_31
Entries 1219968
Mean 0
RMS 0

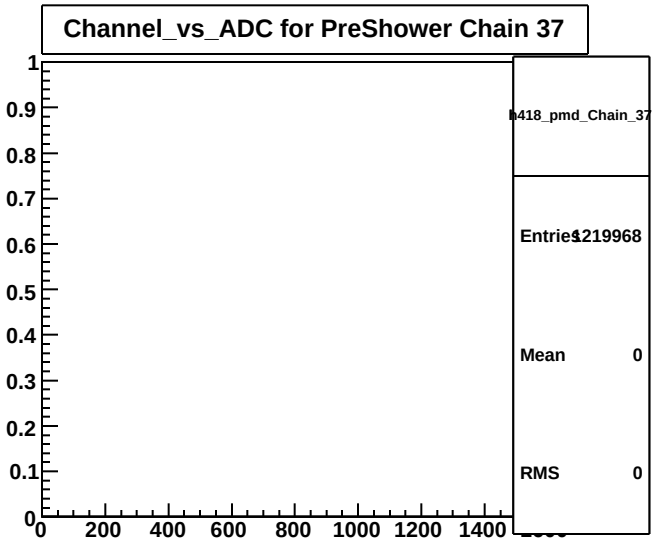

Channel_vs_ADC for PreShower Chain 32
h413_pmd_Chain_32
Entries 1219968
Mean 0
RMS 0

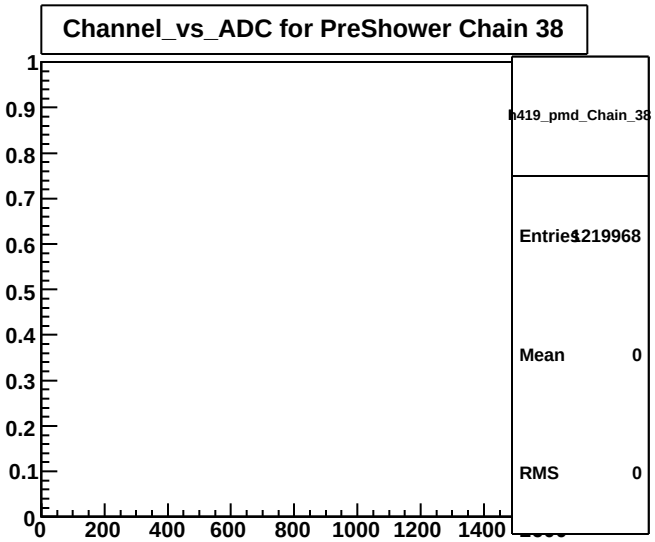

Channel_vs_ADC for PreShower Chain 33
h414_pmd_Chain_33
Entries 1219968
Mean 0
RMS 0

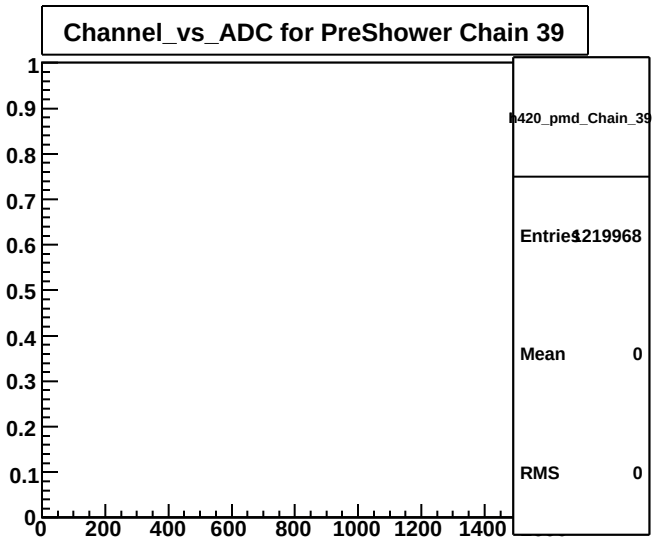

Channel_vs_ADC for PreShower Chain 34
h415_pmd_Chain_34
Entries 1219968
Mean 0
RMS 0

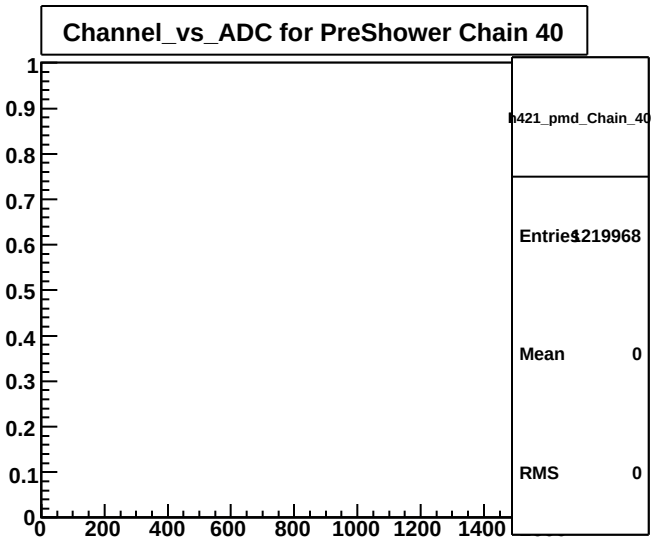

Channel_vs_ADC for PreShower Chain 35
h416_pmd_Chain_35
Entries 1219968
Mean 0
RMS 0

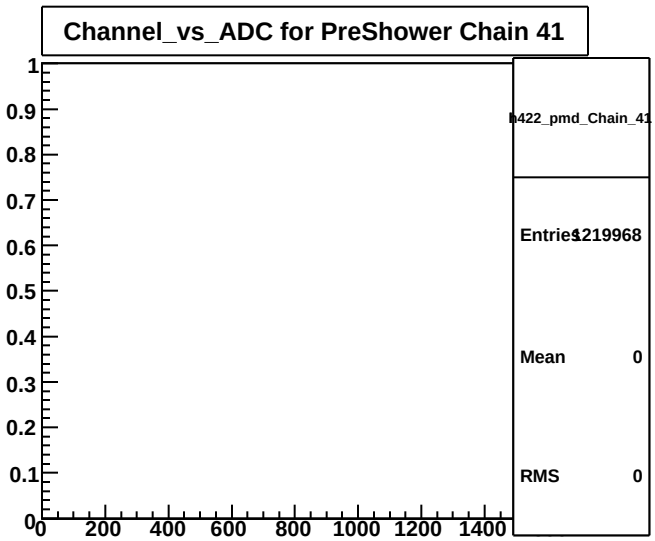

Channel_vs_ADC for CPV Chain 6
h417_pmd_Chain_36
Entries 1219968
Mean 0
RMS 0

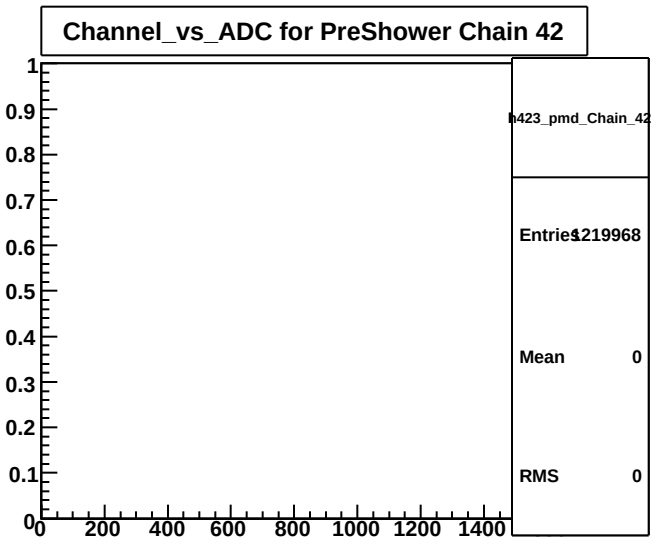

Channel_vs_ADC for PreShower Chain 37
h418_pmd_Chain_37
Entries 1219968
Mean 0
RMS 0

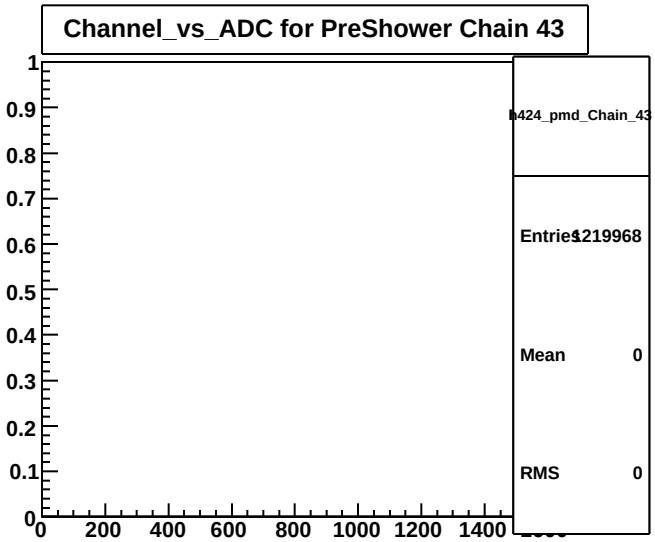

Channel_vs_ADC for PreShower Chain 38
h419_pmd_Chain_38
Entries 1219968
Mean 0
RMS 0

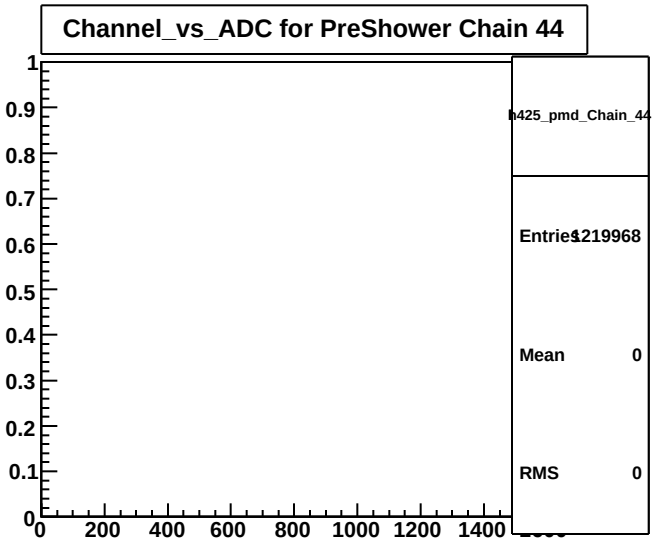

Channel_vs_ADC for PreShower Chain 39
h420_pmd_Chain_39
Entries 1219968
Mean 0
RMS 0

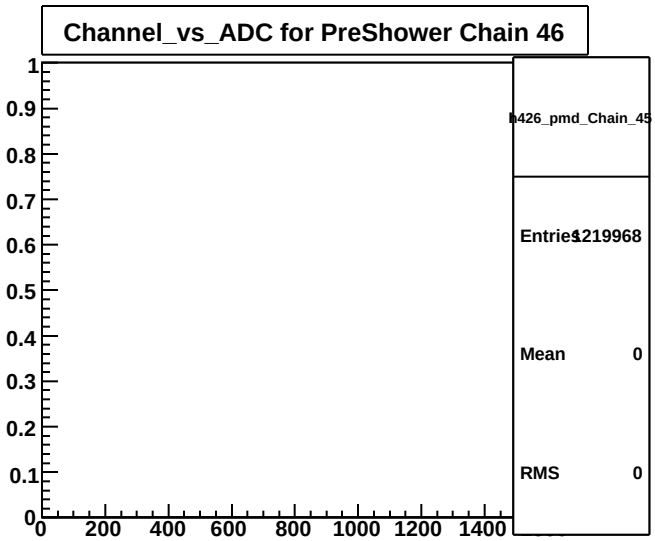

Channel_vs_ADC for PreShower Chain 40
h421_pmd_Chain_40
Entries 1219968
Mean 0
RMS 0

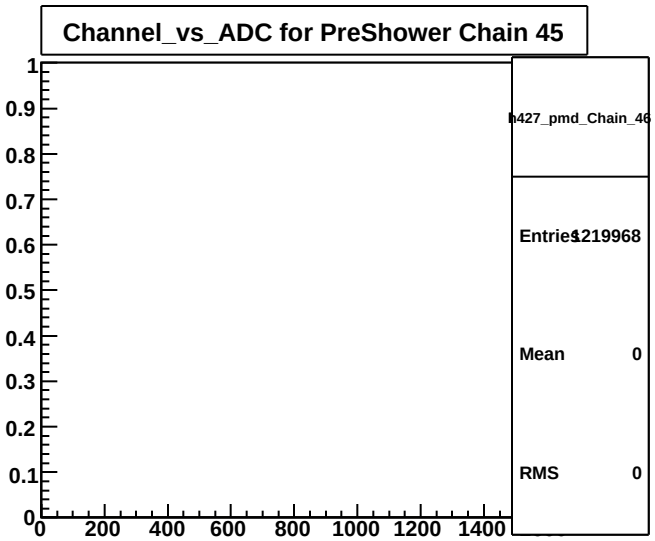

Channel_vs_ADC for PreShower Chain 41
h422_pmd_Chain_41
Entries 1219968
Mean 0
RMS 0

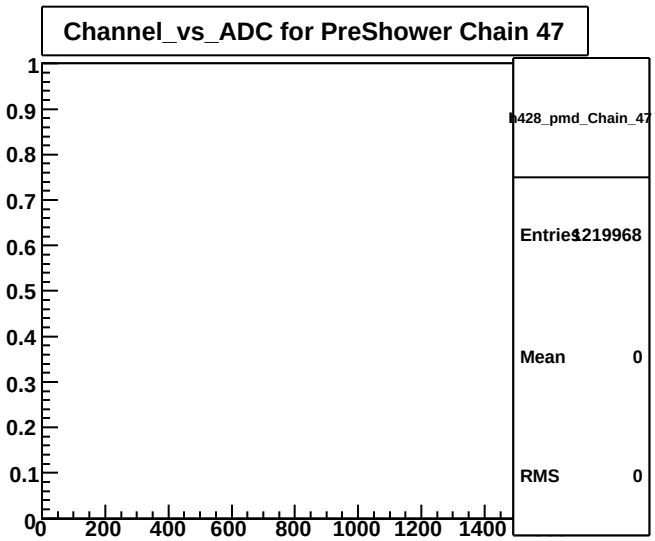

Channel_vs_ADC for PreShower Chain 42
h423_pmd_Chain_42
Entries 1219968
Mean 0
RMS 0

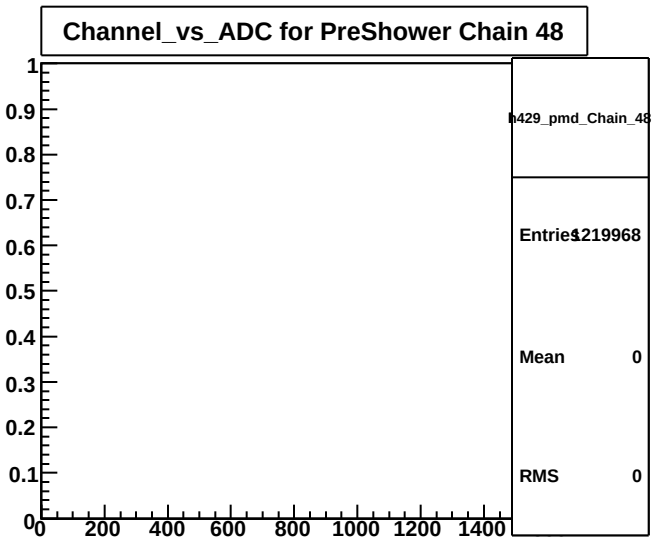

Channel_vs_ADC for PreShower Chain 43
h424_pmd_Chain_43
Entries 1219968
Mean 0
RMS 0

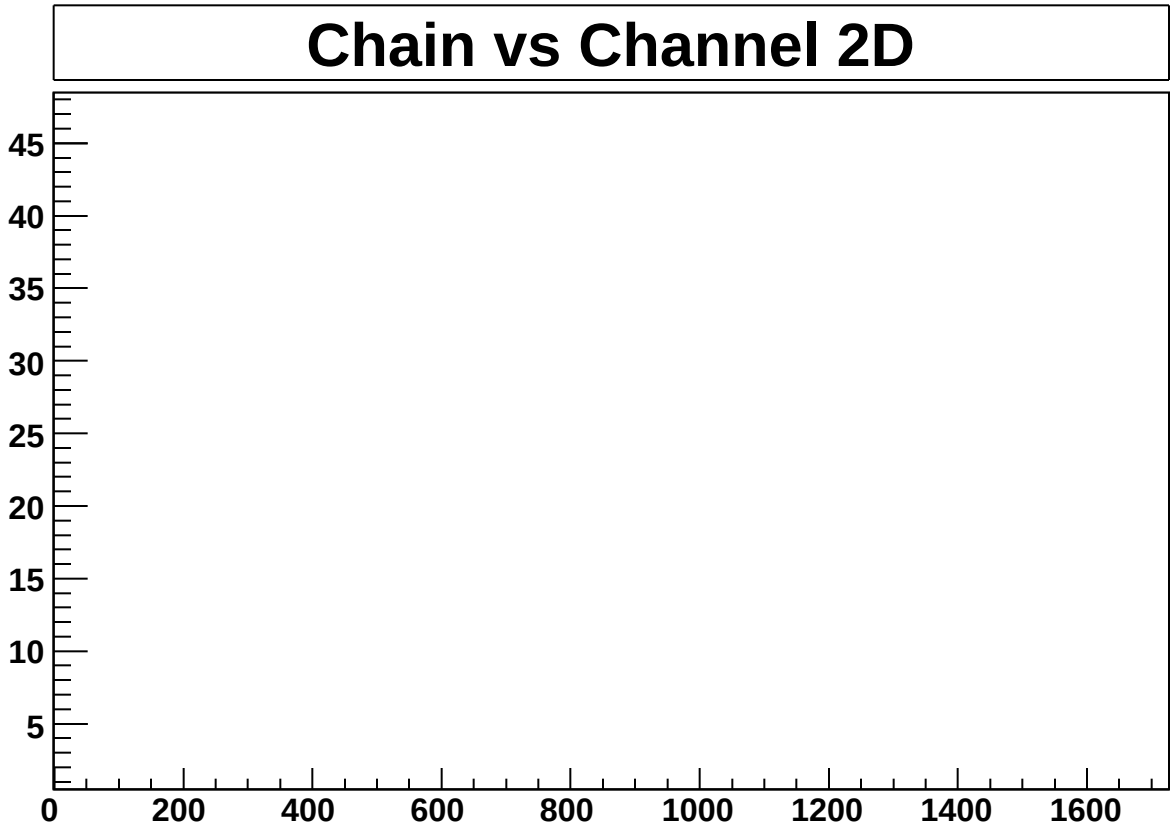

Channel_vs_ADC for PreShower Chain 44
h425_pmd_Chain_44
Entries 1219968
Mean 0
RMS 0

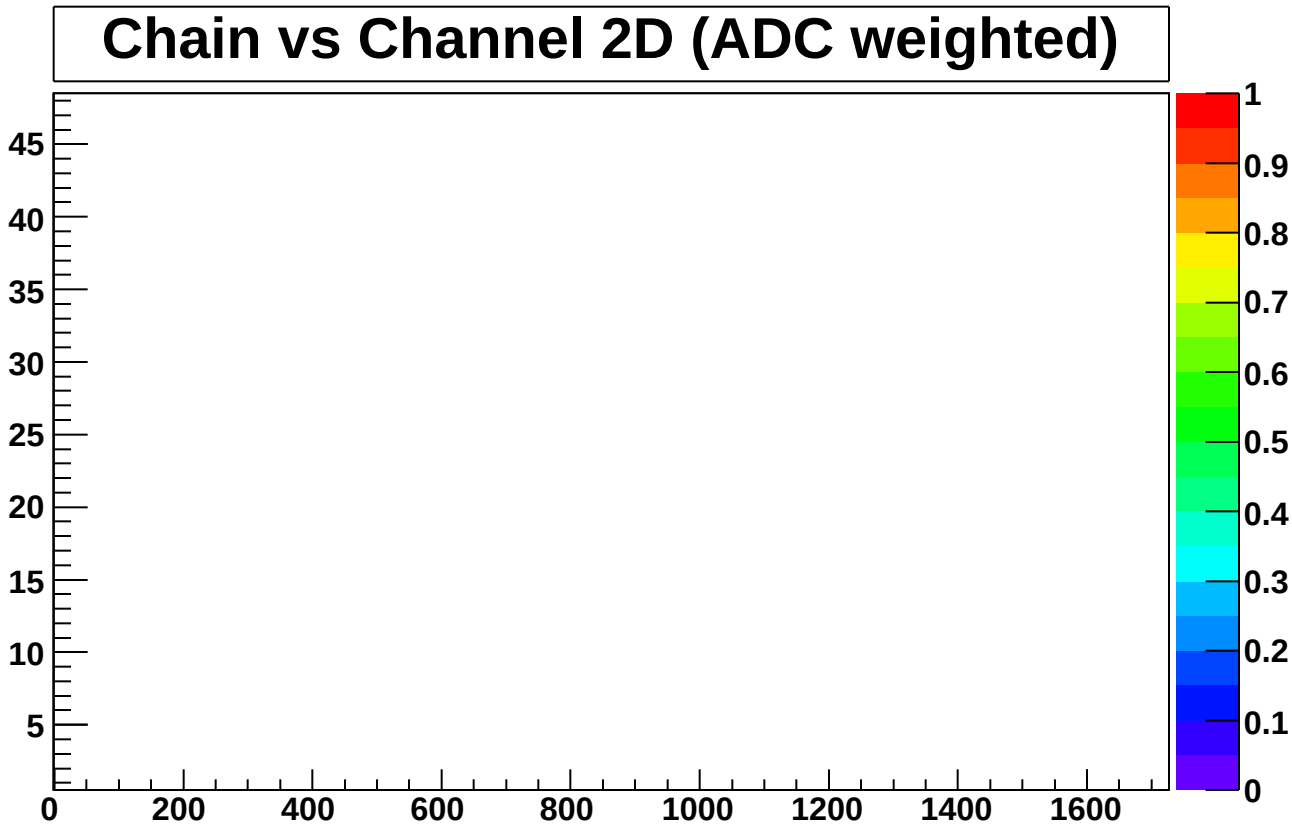

Channel_vs_ADC for PreShower Chain 46
h426_pmd_Chain_45
Entries 1219968
Mean 0
RMS 0


Channel_vs_ADC for PreShower Chain 45
h427_pmd_Chain_46
Entries 1219968
Mean 0
RMS 0

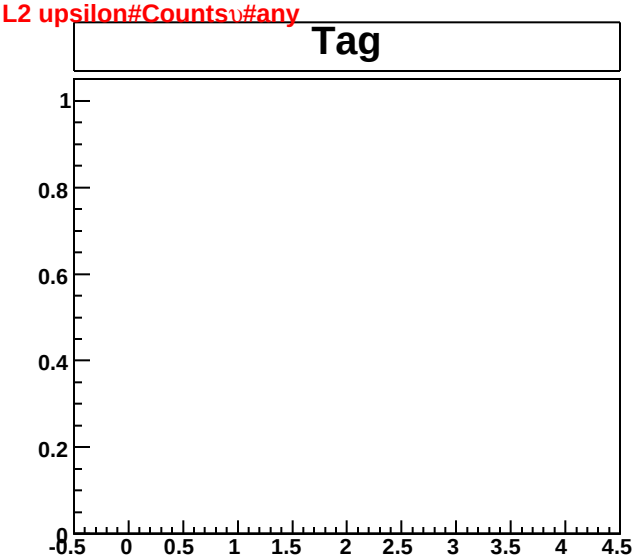

Channel_vs_ADC for PreShower Chain 47
h428_pmd_Chain_47
Entries 1219968
Mean 0
RMS 0

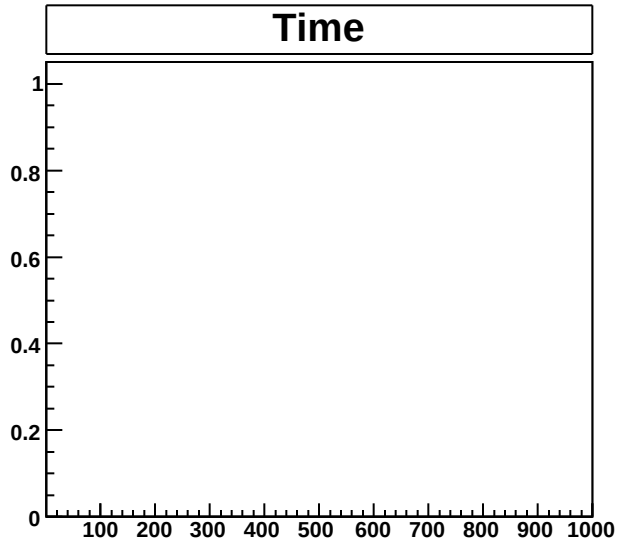

Channel_vs_ADC for PreShower Chain 48
h429_pmd_Chain_48
Entries 1219968
Mean 0
RMS 0

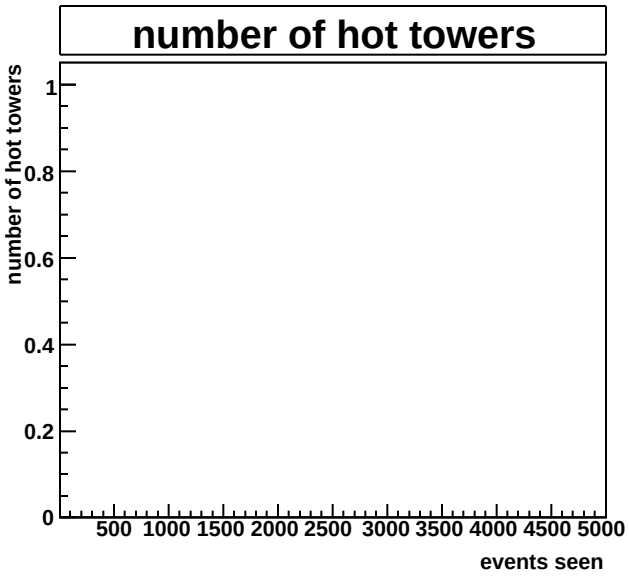

Chain vs Channel 2D
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600

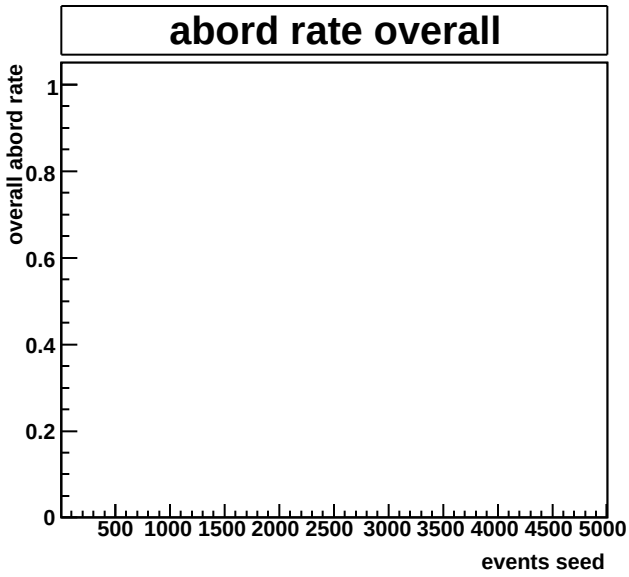

Chain vs Channel 2D (ADC weighted)
45
40
35
30
25
20
15
10
5
0
200
400
600
800
1000
1200
1400
1600
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0

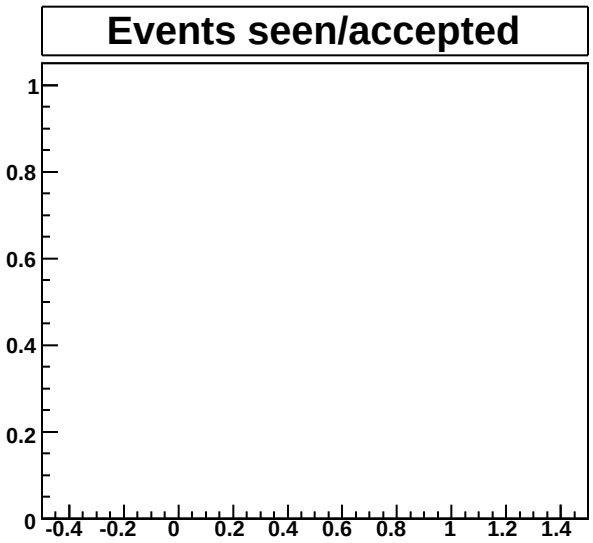
L2 upsilon#Countsυ#any

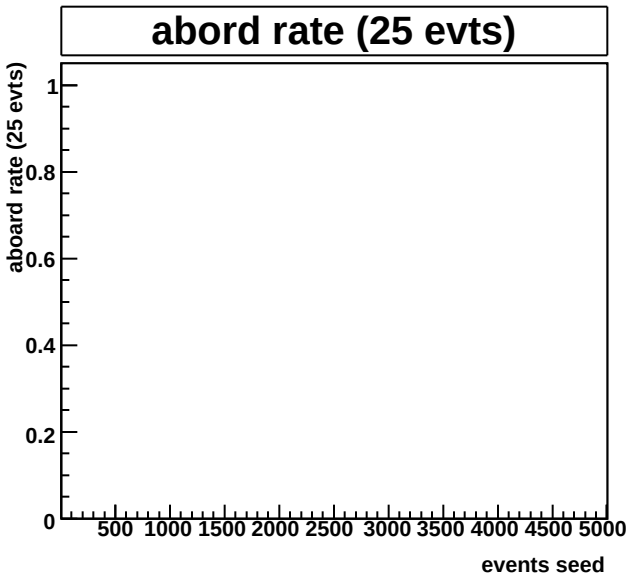


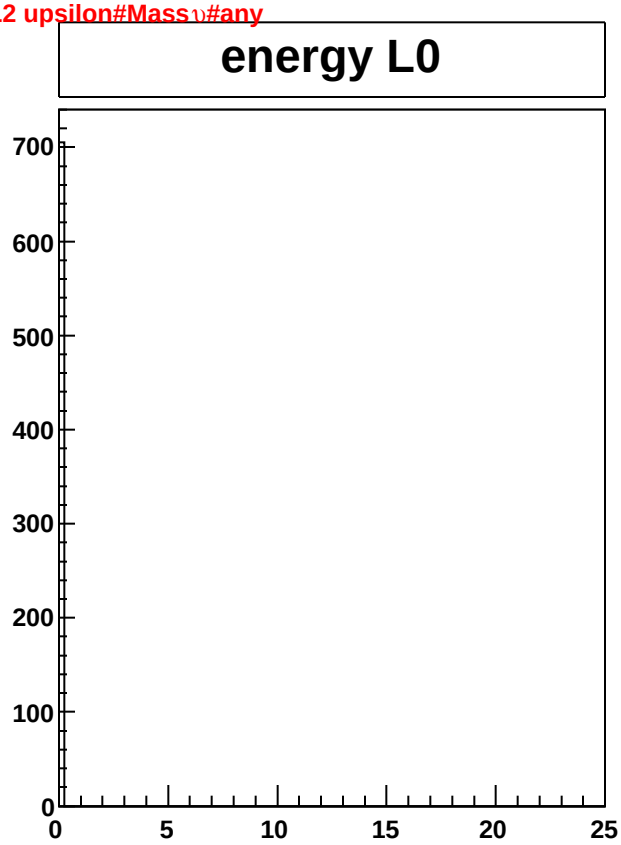



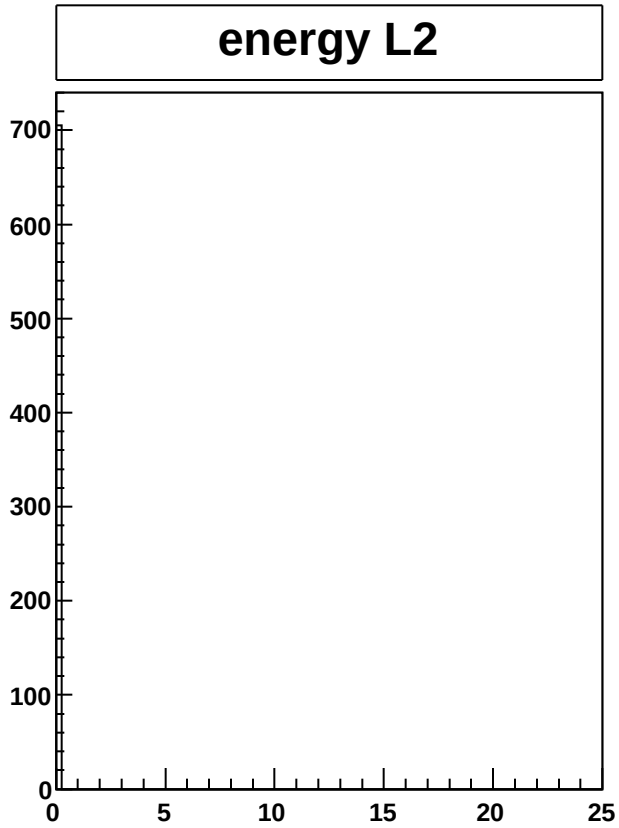



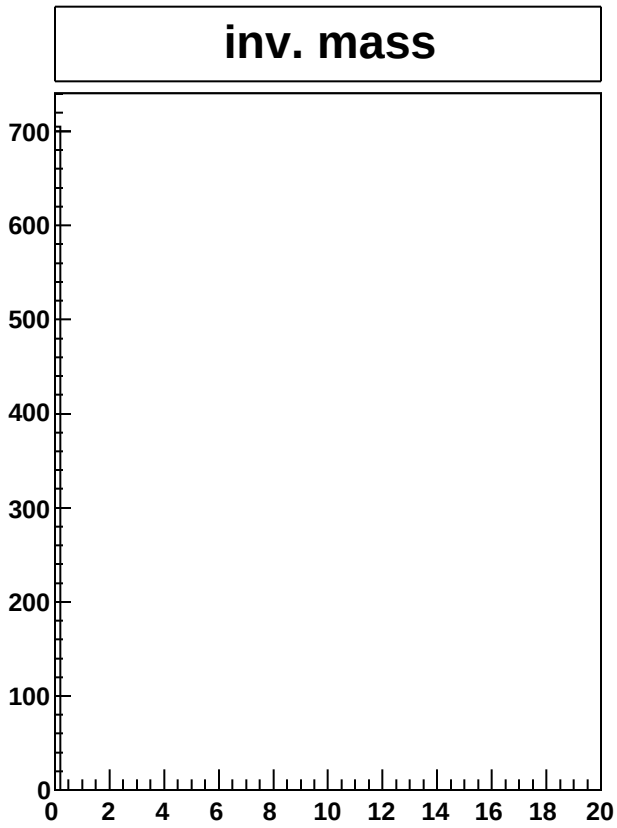



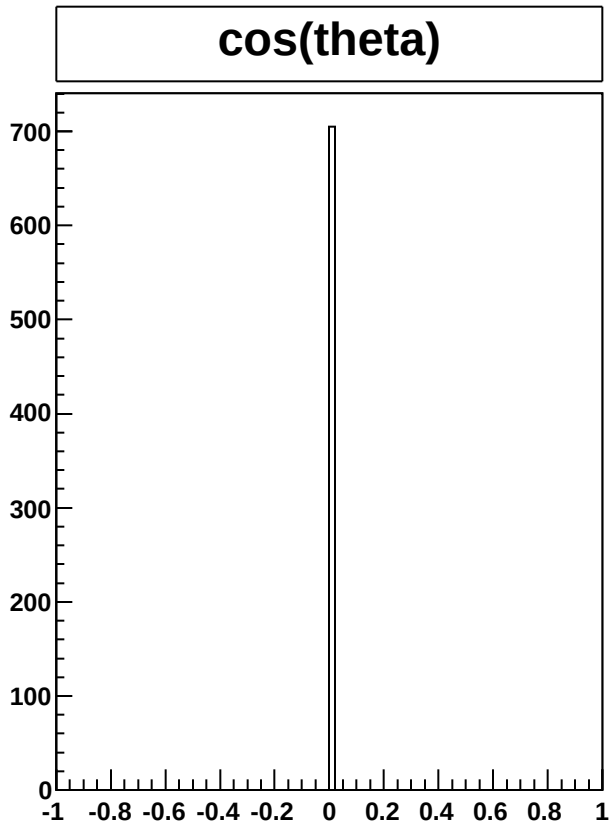



L2 upsilon#Massυ#any

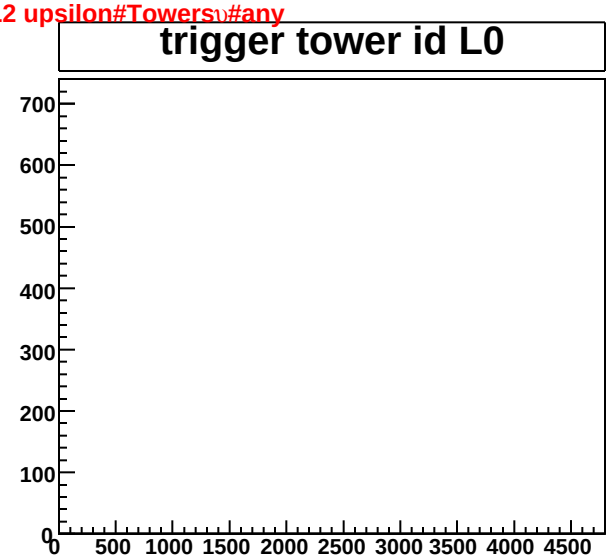


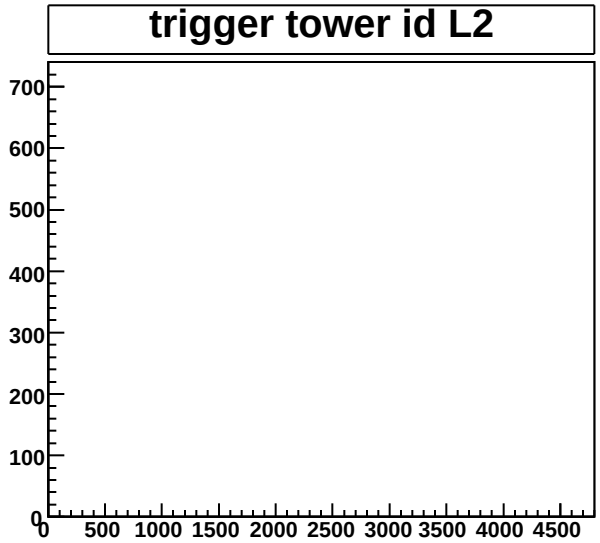



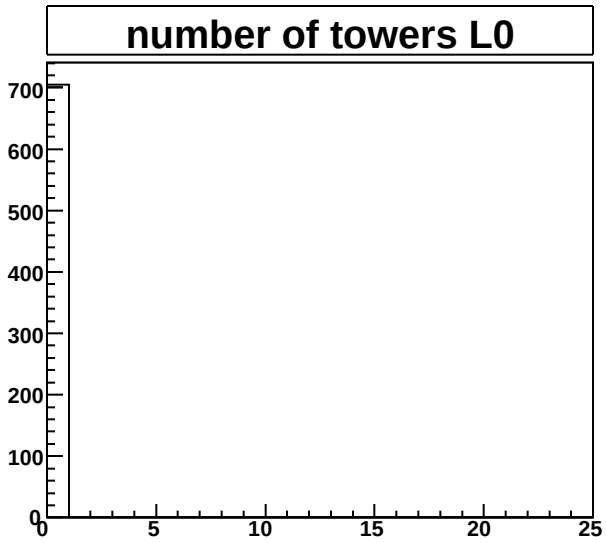



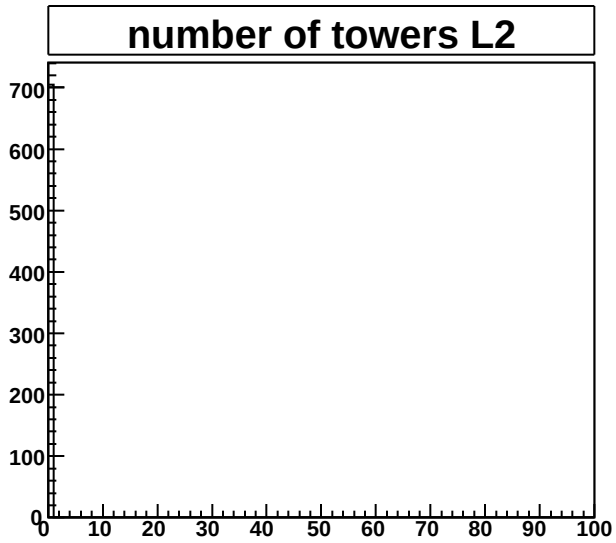



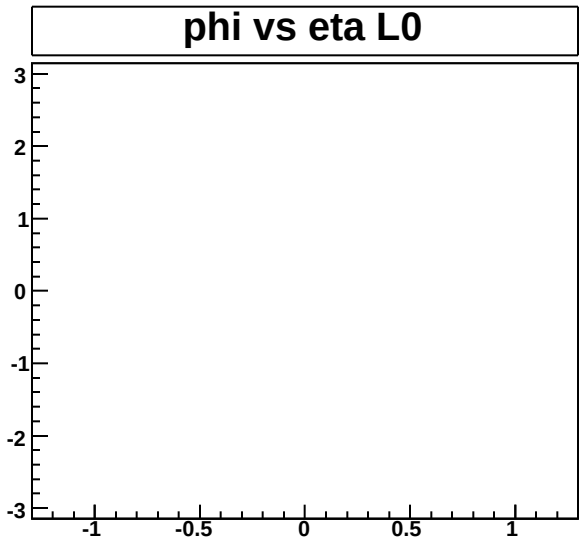
L2 upsilon#Towersυ#any

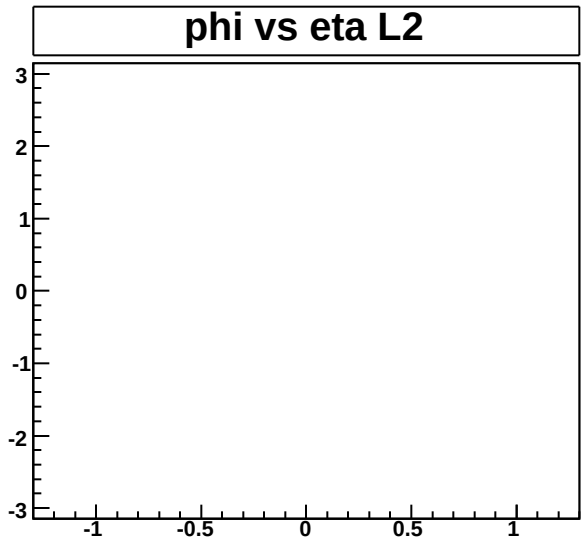


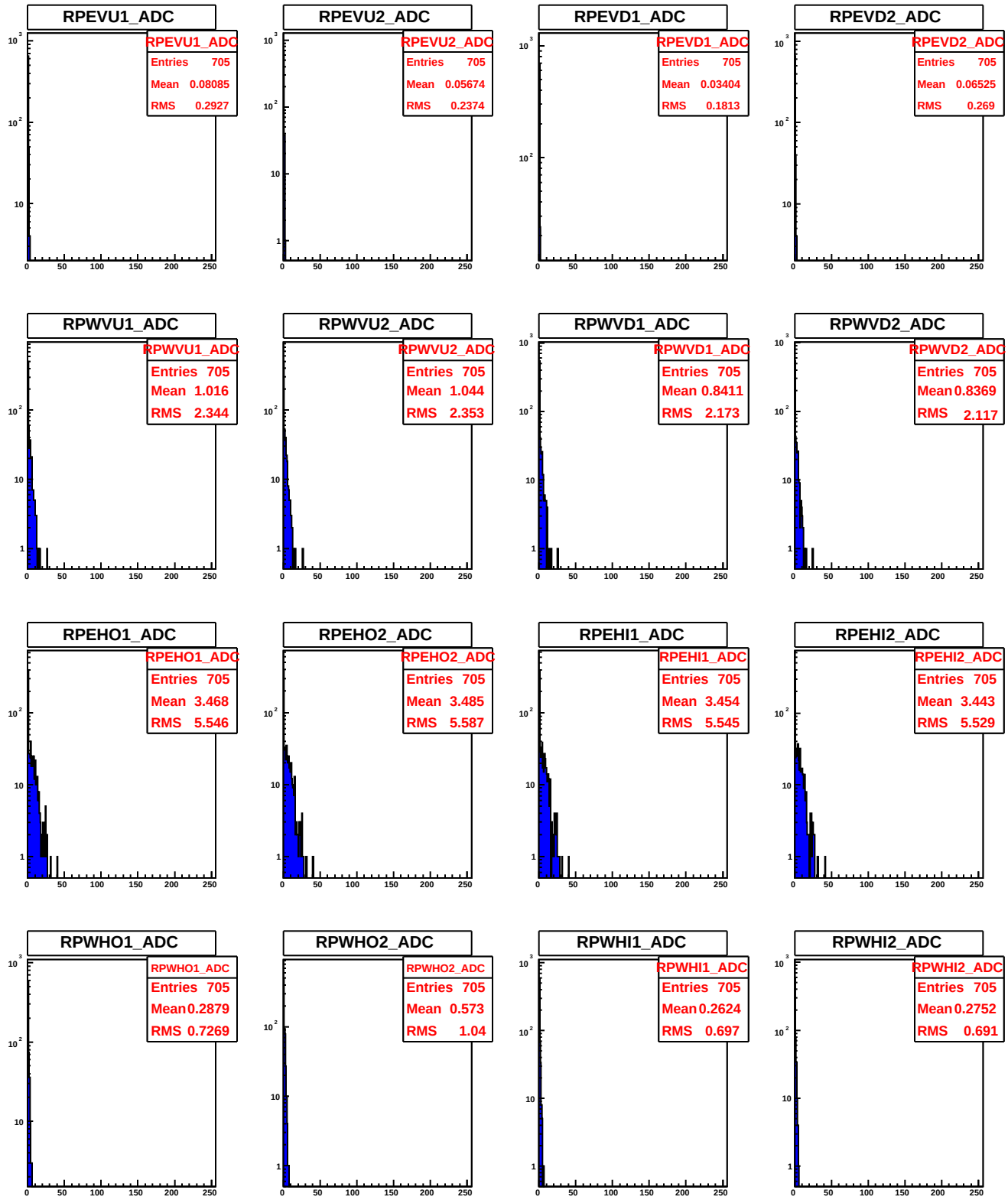



P2P#Trg1-16#any#trg

# Run: #12135061



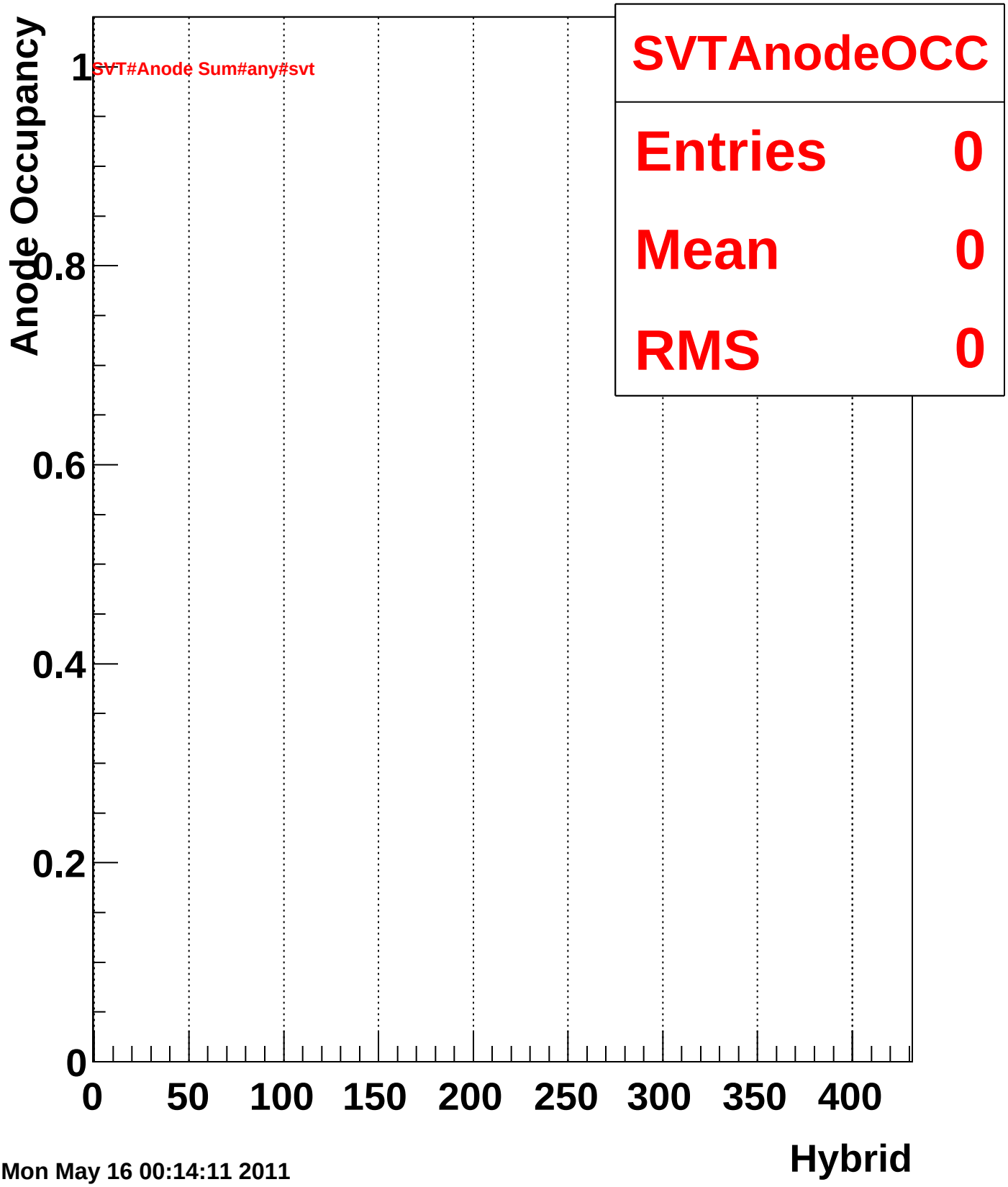

**Mon May 16 00:14:11 2011**

P2P#Trg17-32#any#trg

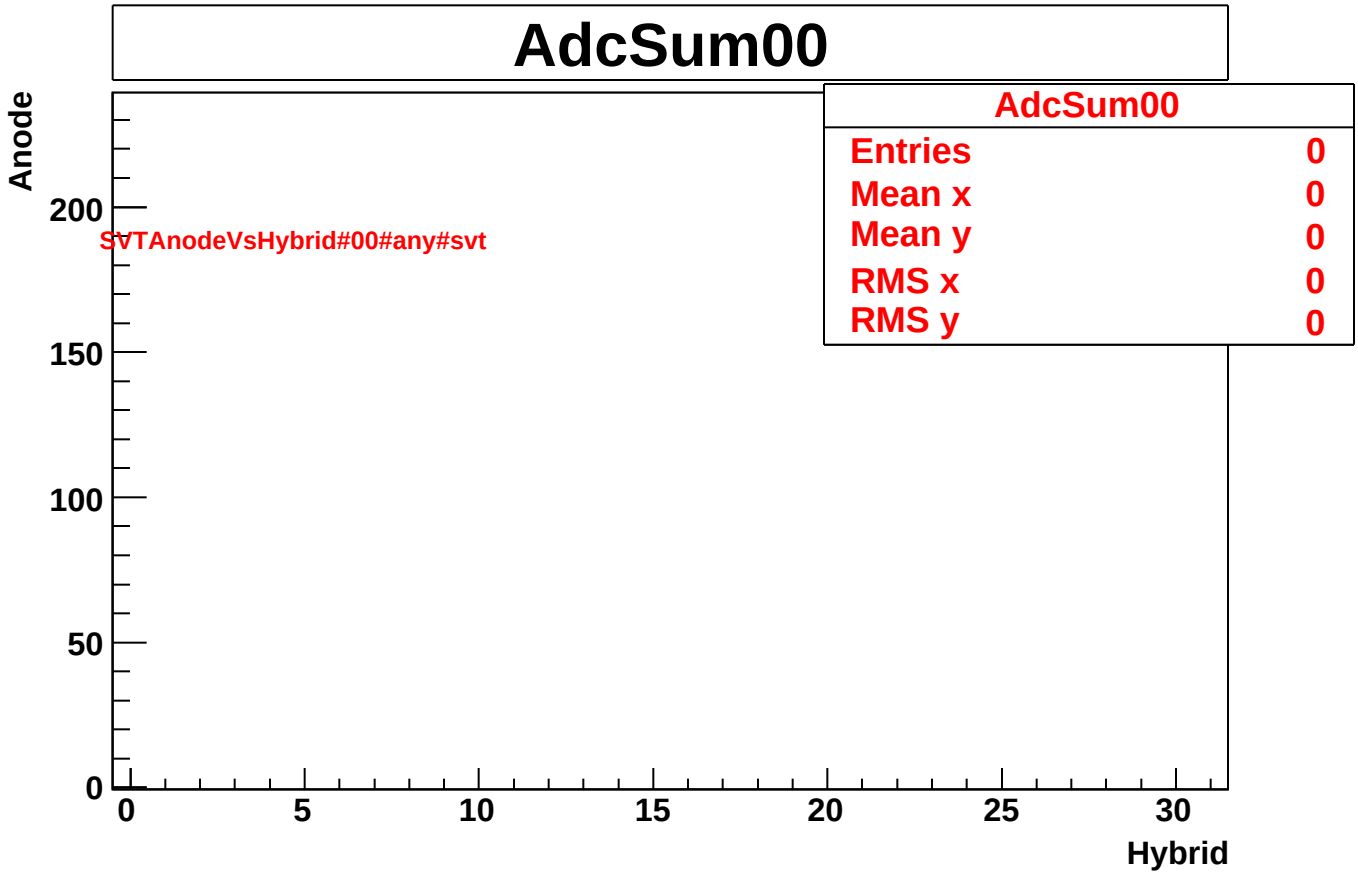
# Run: #12135061

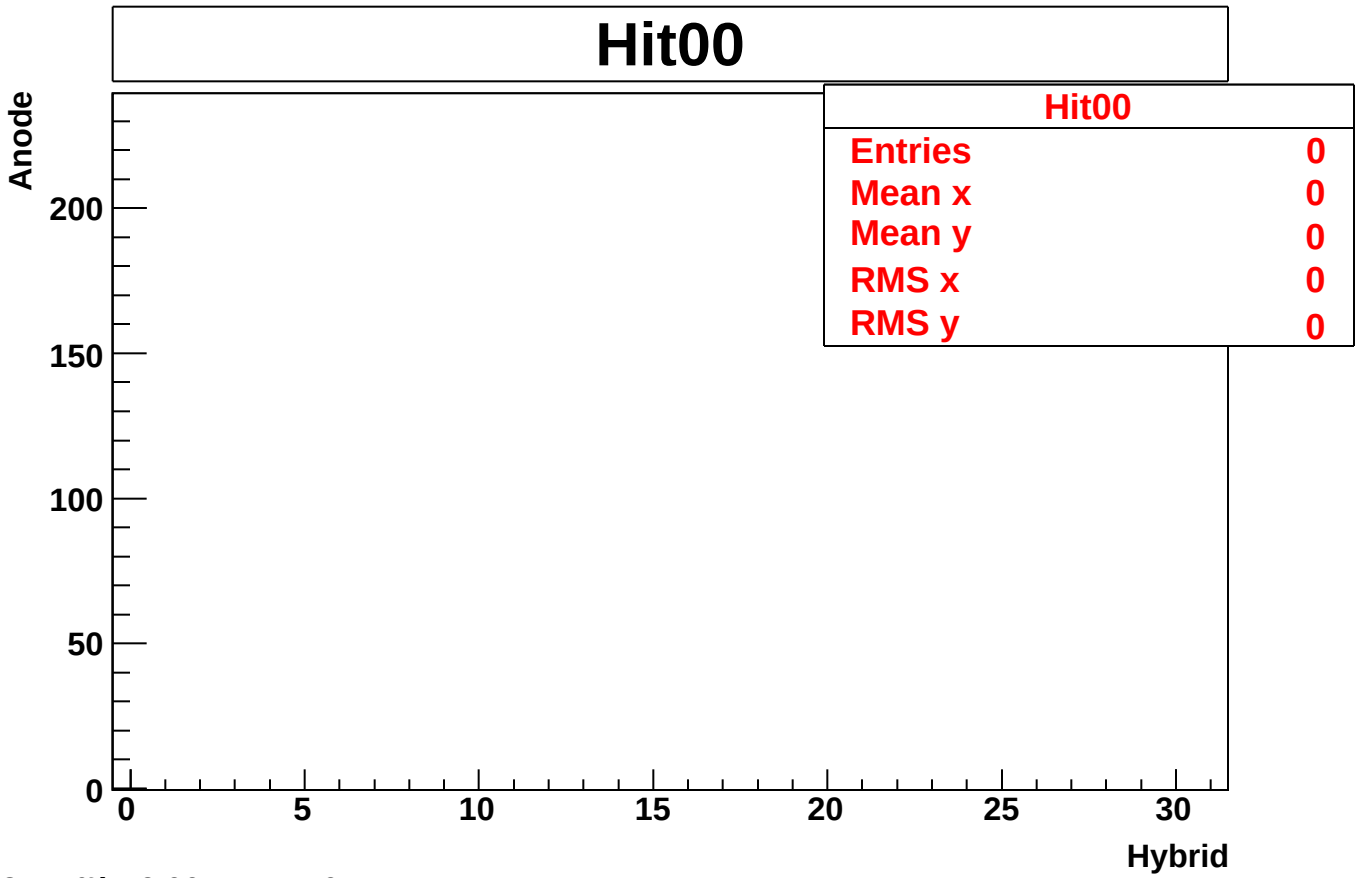
Mon May 16 00:14:11 2011

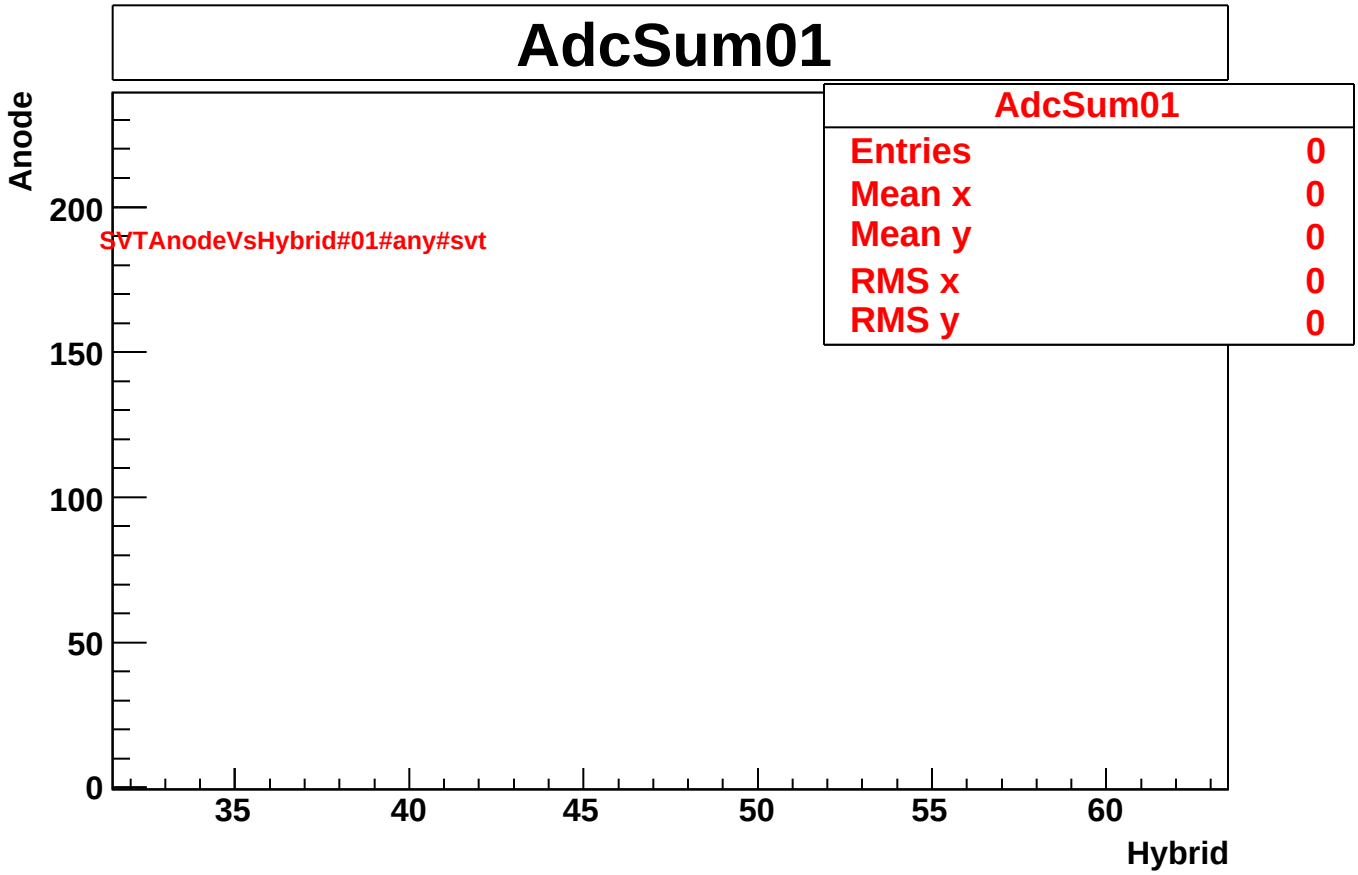
# SVTAnodeOCC

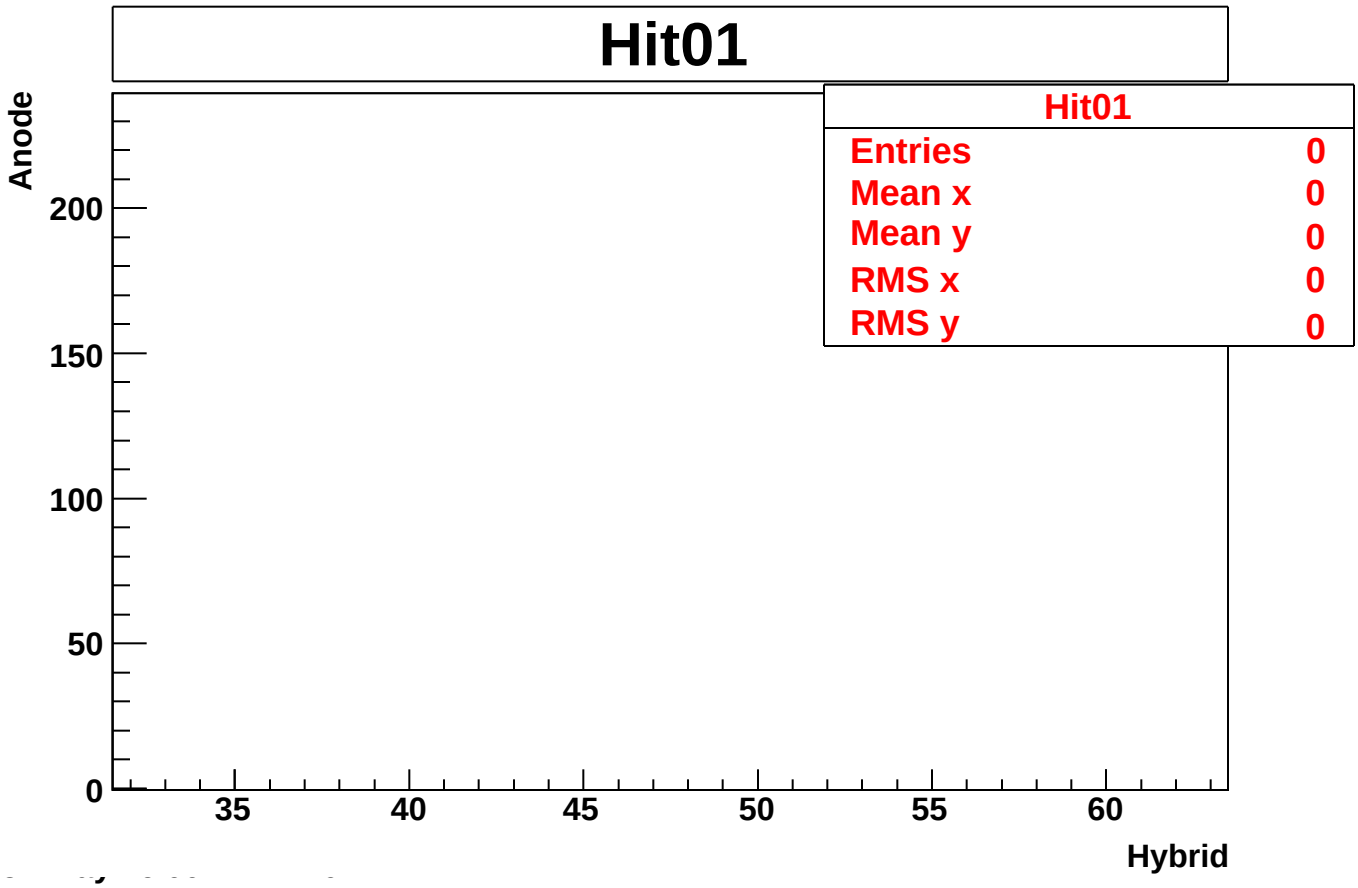


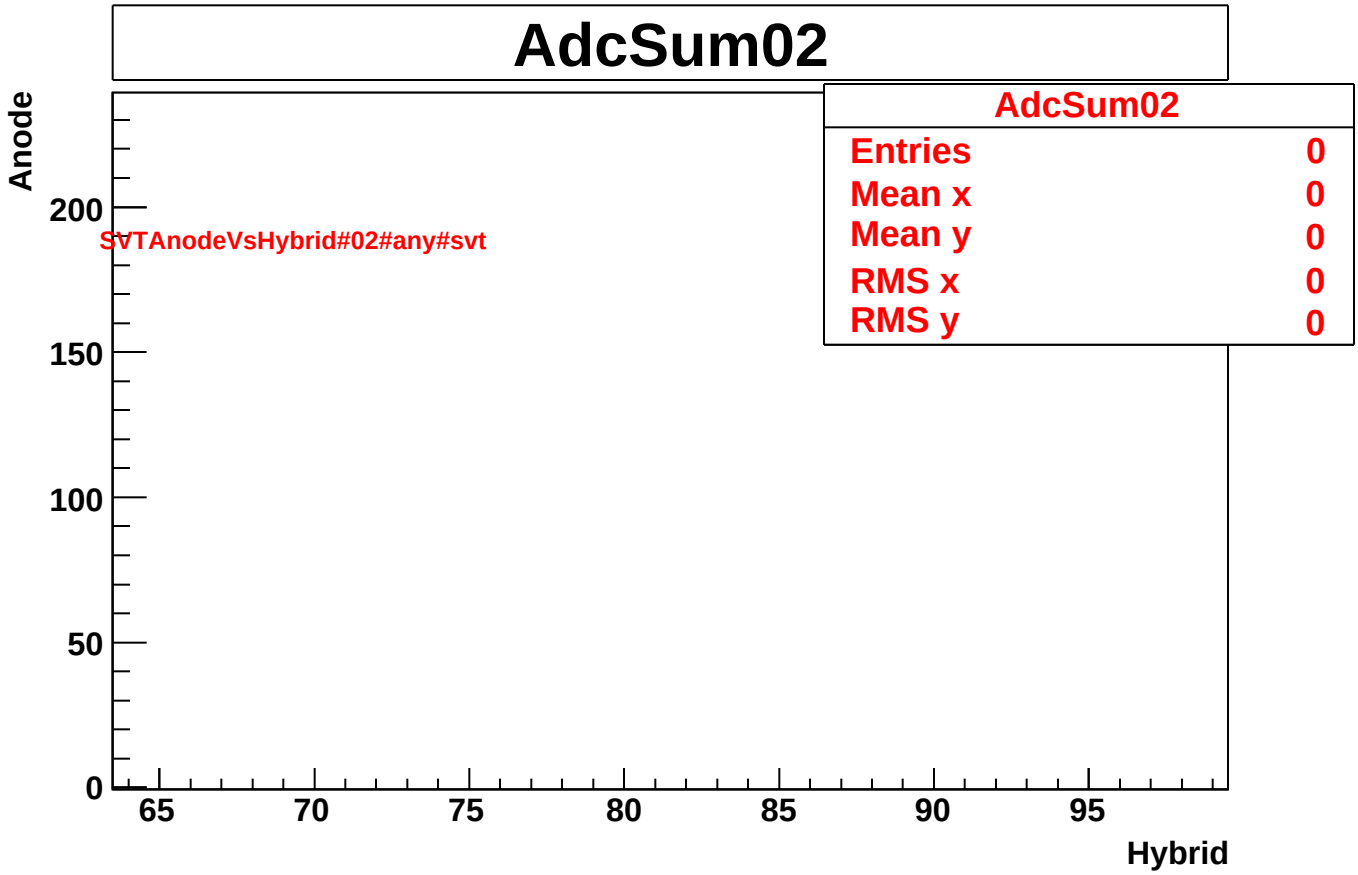

Mon May 16 00:14:11 2011

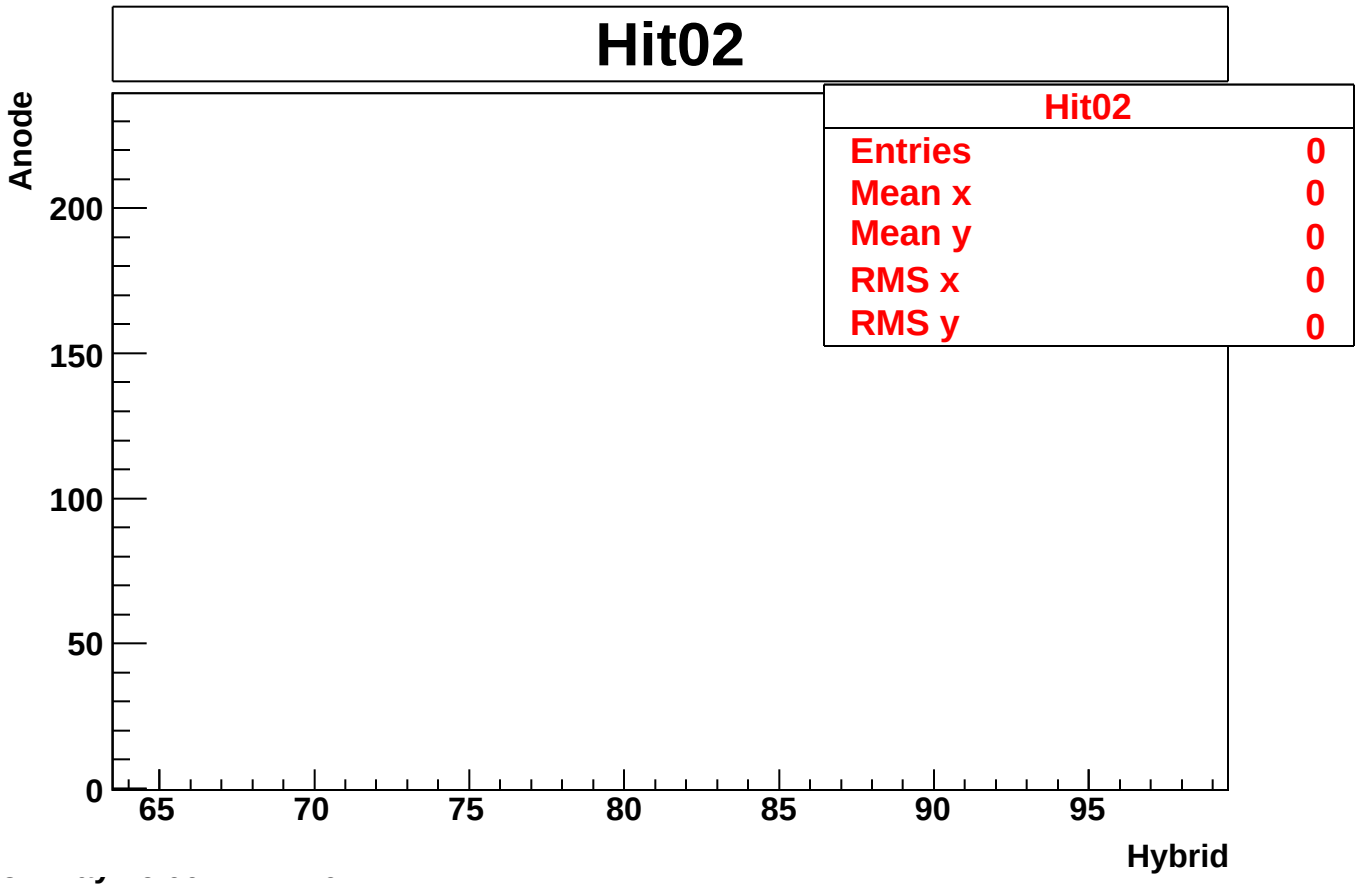

AdcSum00
AdcSum00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#00#any#svt
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

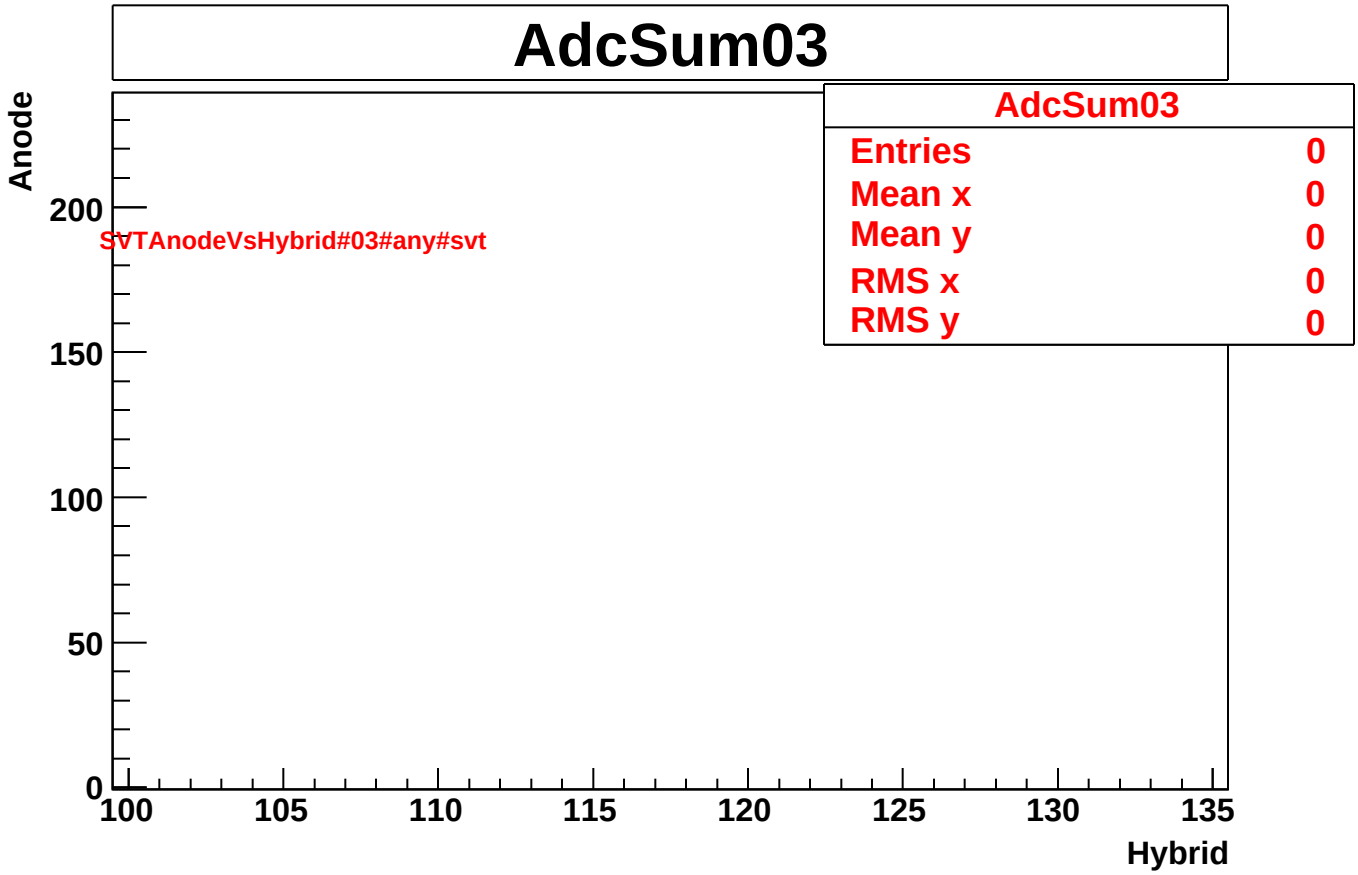

Hit00
Hit00
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
0
5
10
15
20
25
30
Hybrid

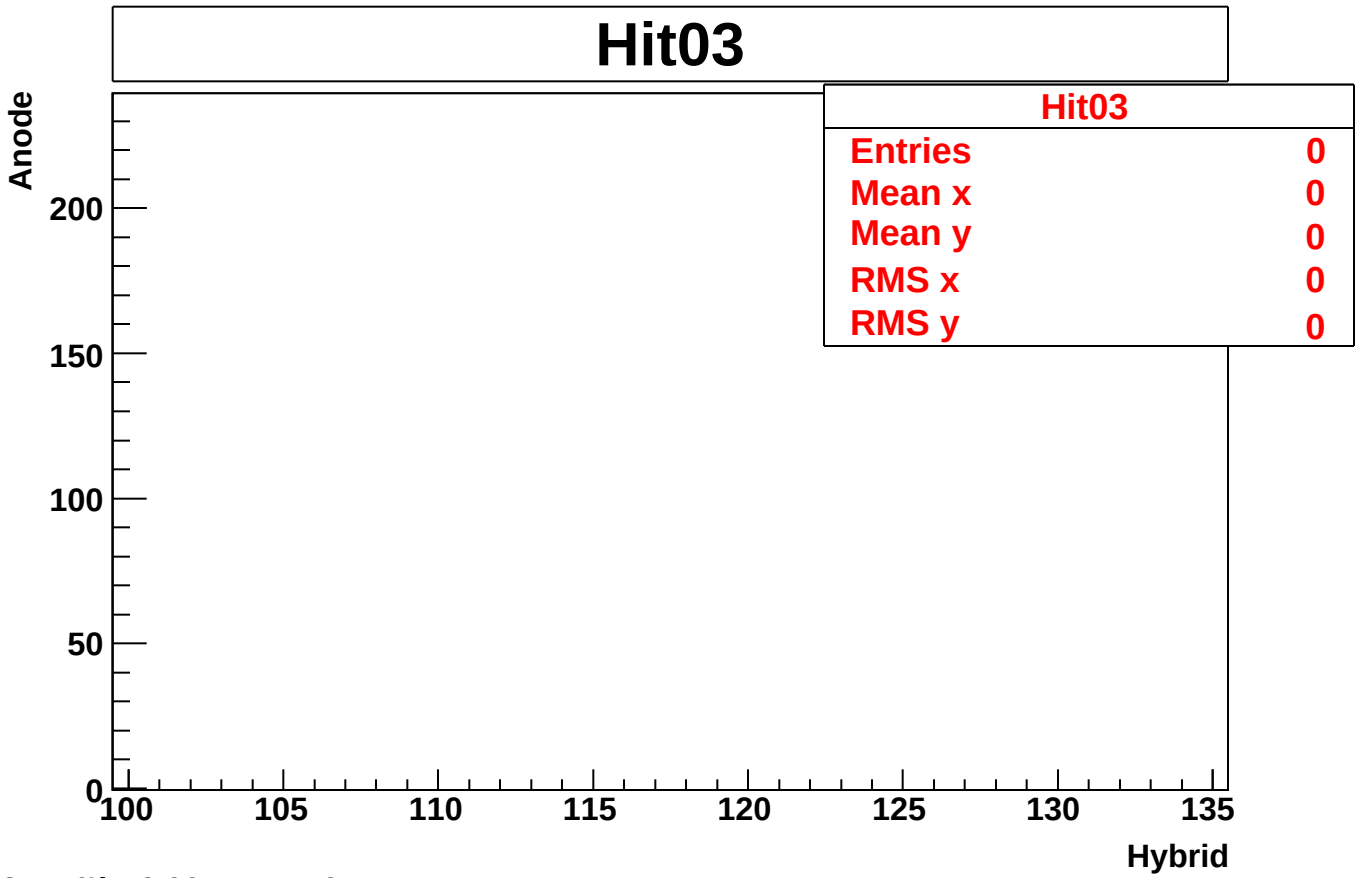

AdcSum01
AdcSum01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#01#any#svt
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

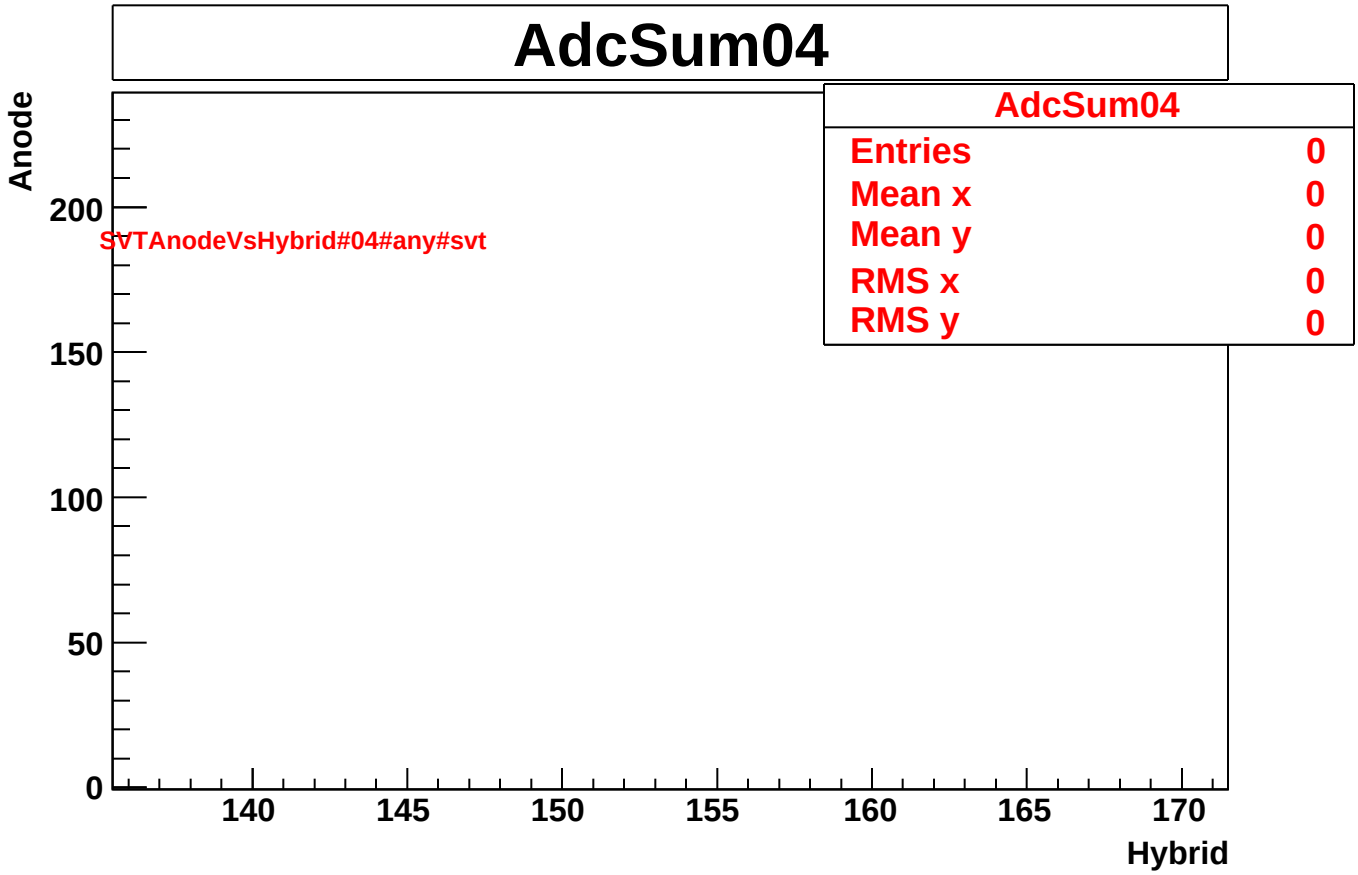

Hit01
Hit01
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
35
40
45
50
55
60
Hybrid

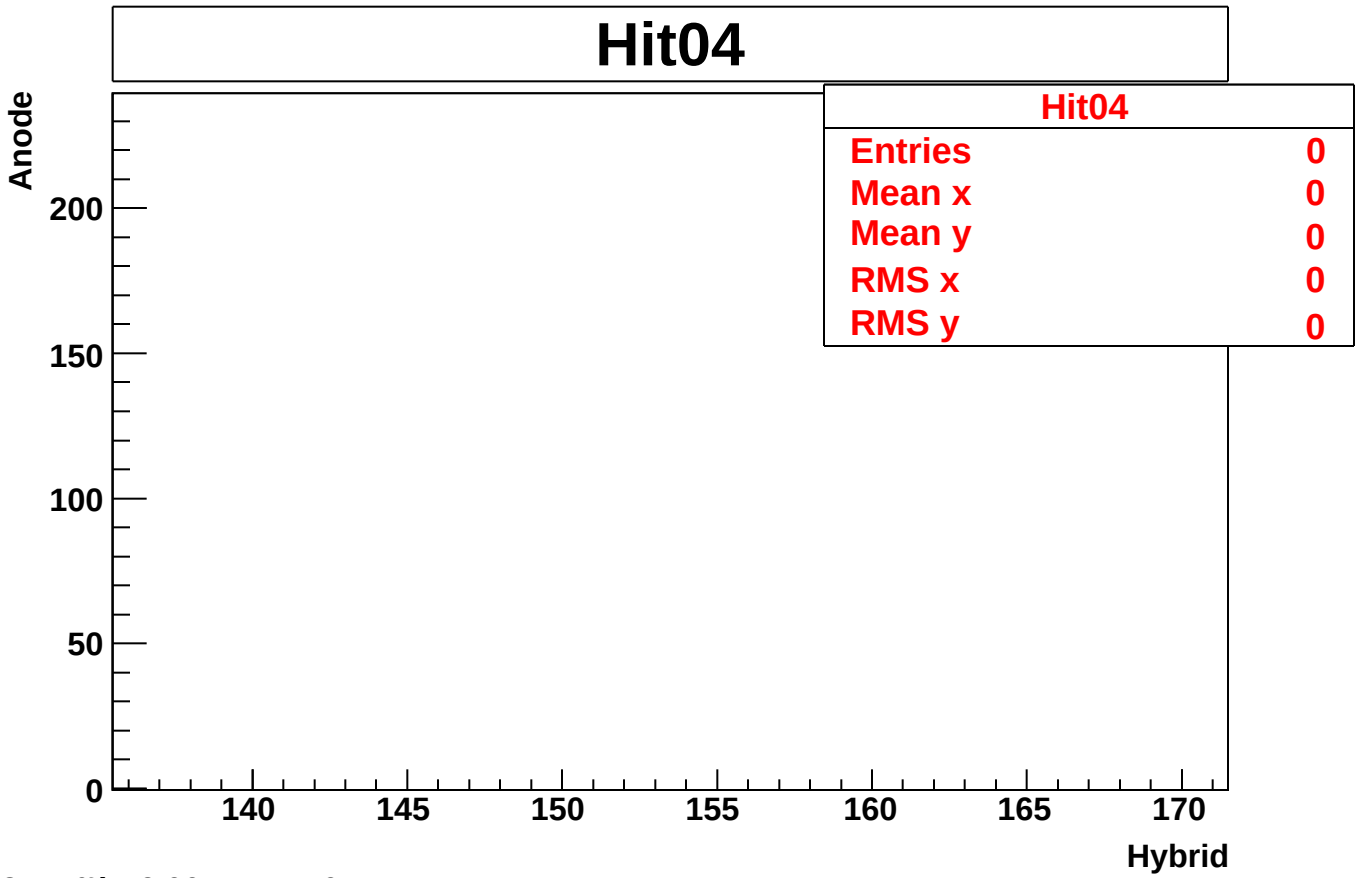

AdcSum02
AdcSum02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#02#any#svt
Anode
0
50
100
150
200
65
70
75
80
85
90
95
Hybrid

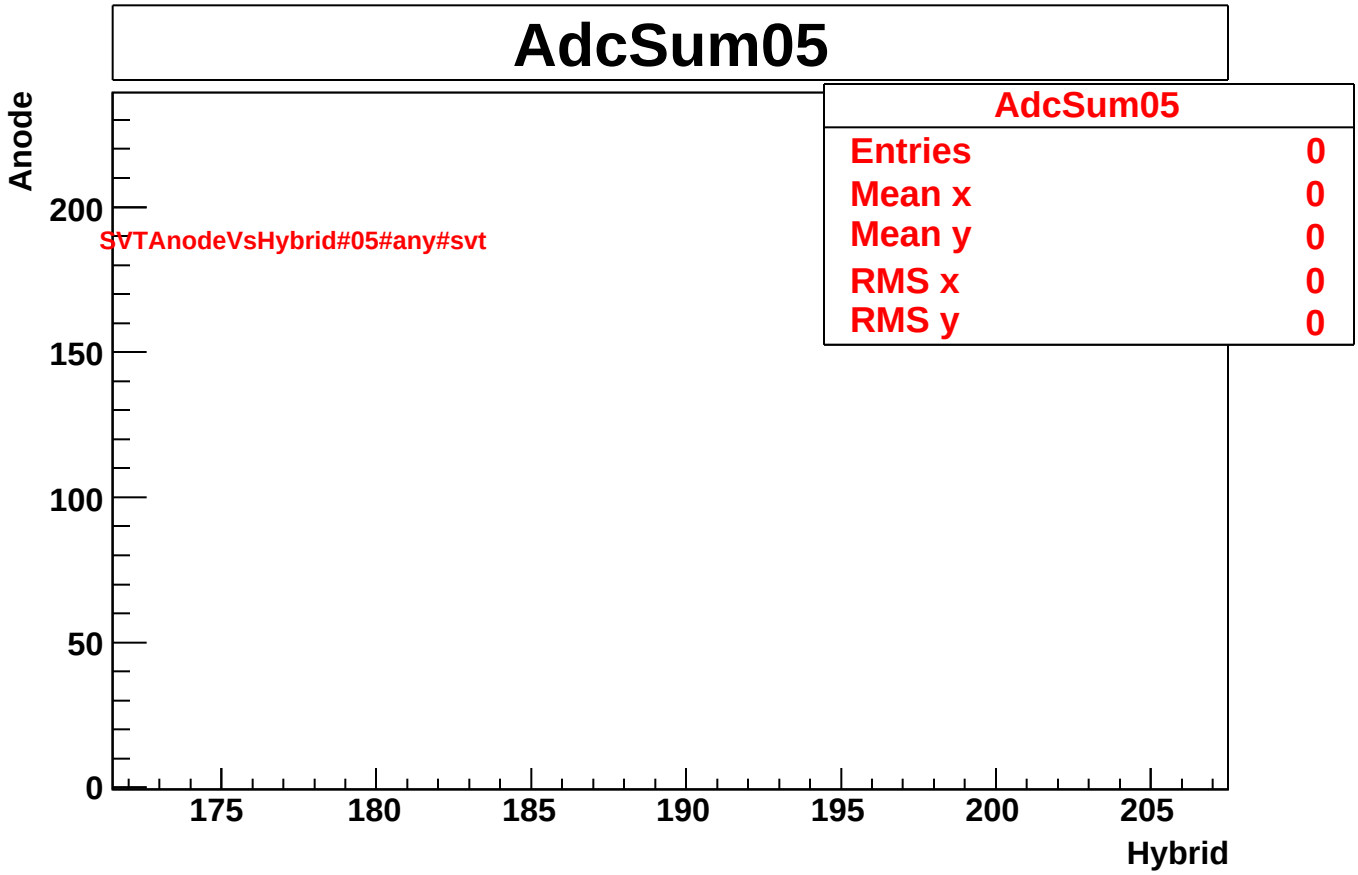

Hit02
Hit02
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
65
70
75
80
85
90
95
Hybrid

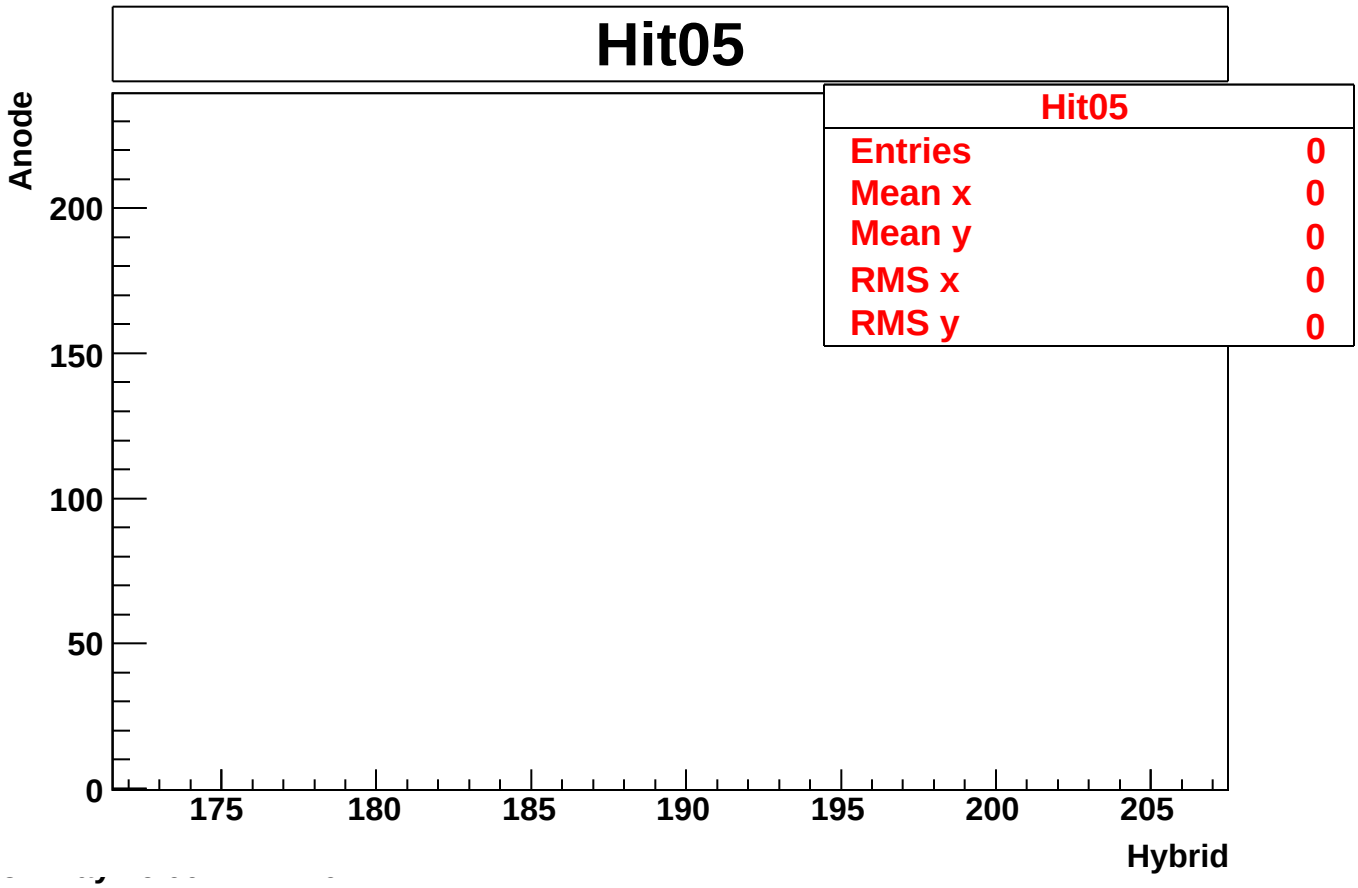

AdcSum03
AdcSum03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#03#any#svt
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

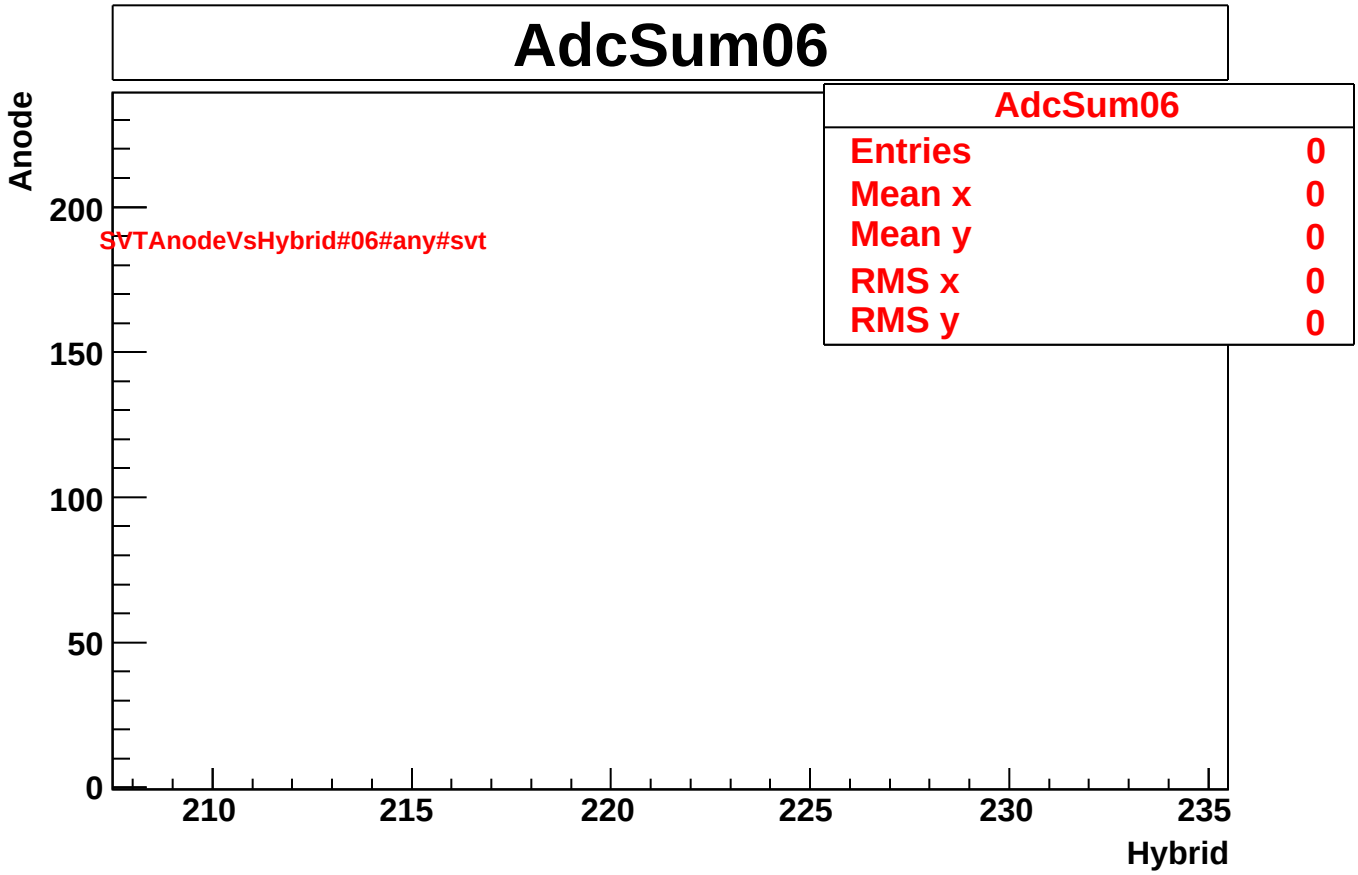

Hit03
Hit03
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
100
105
110
115
120
125
130
135
Hybrid

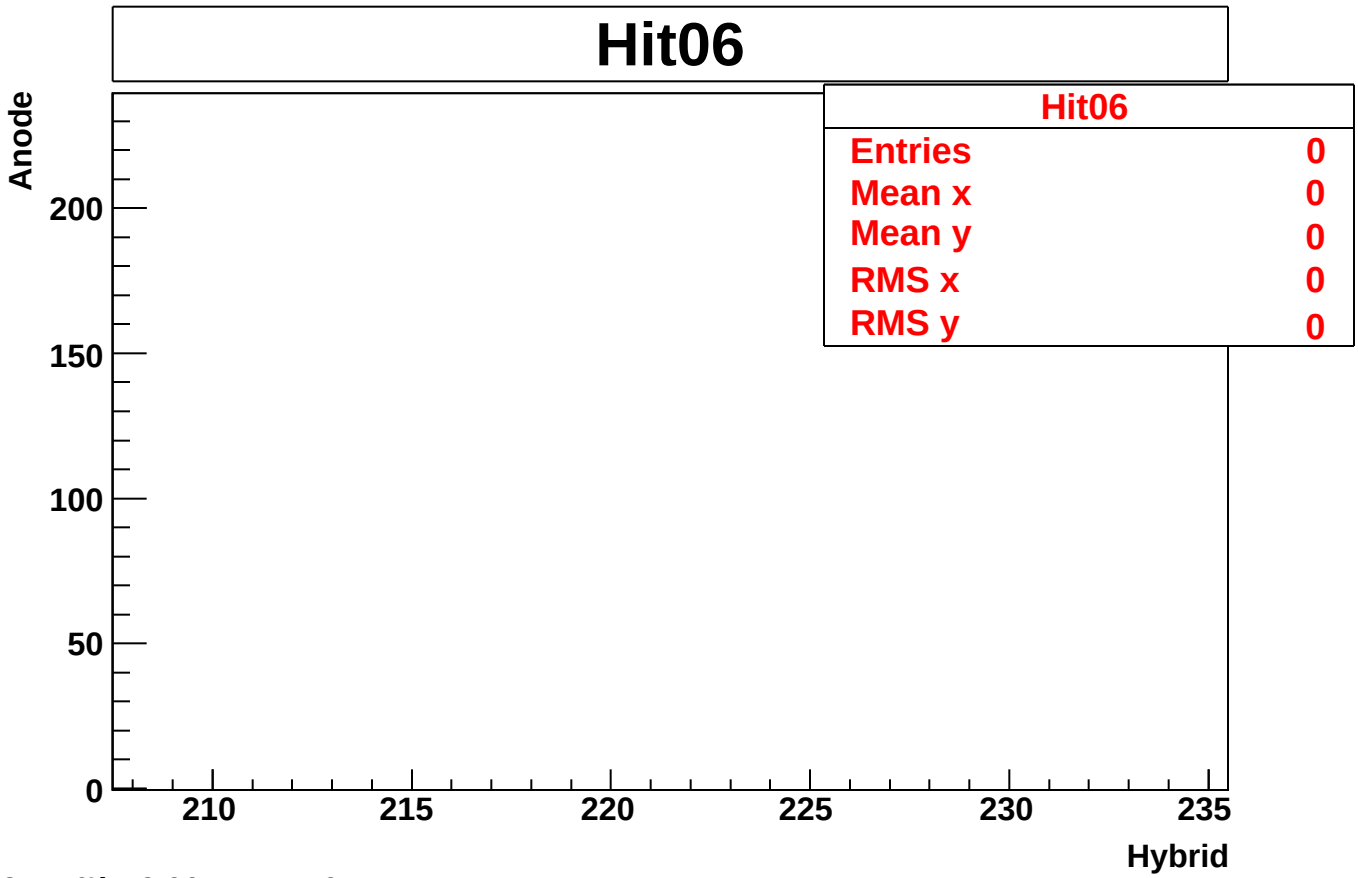

AdcSum04
AdcSum04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#04#any#svt
Anode
200
150
100
50
0
140
145
150
155
160
165
170
Hybrid

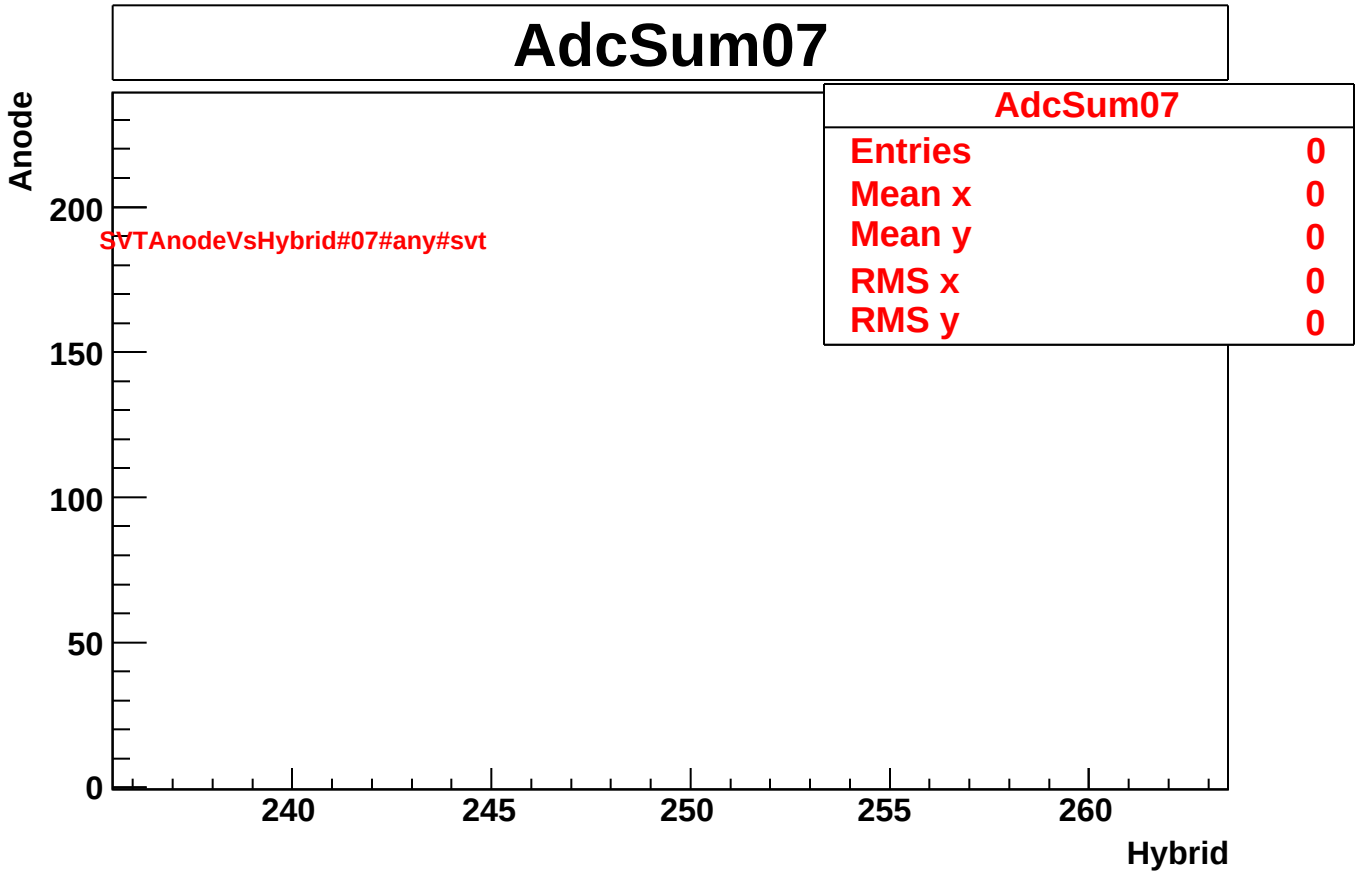

Hit04
Hit04
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
140
145
150
155
160
165
170
Hybrid

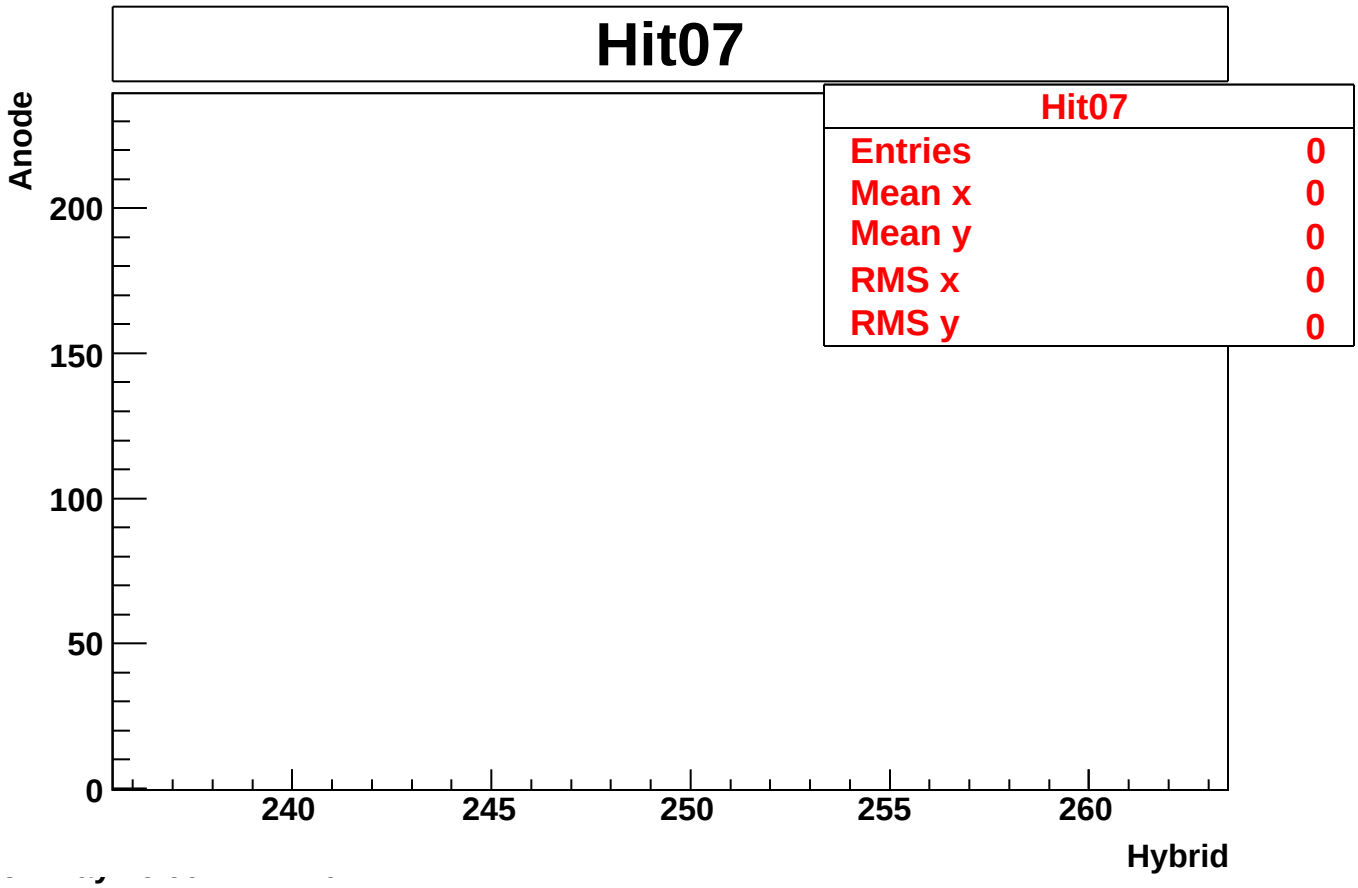

AdcSum05
AdcSum05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#05#any#svt
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

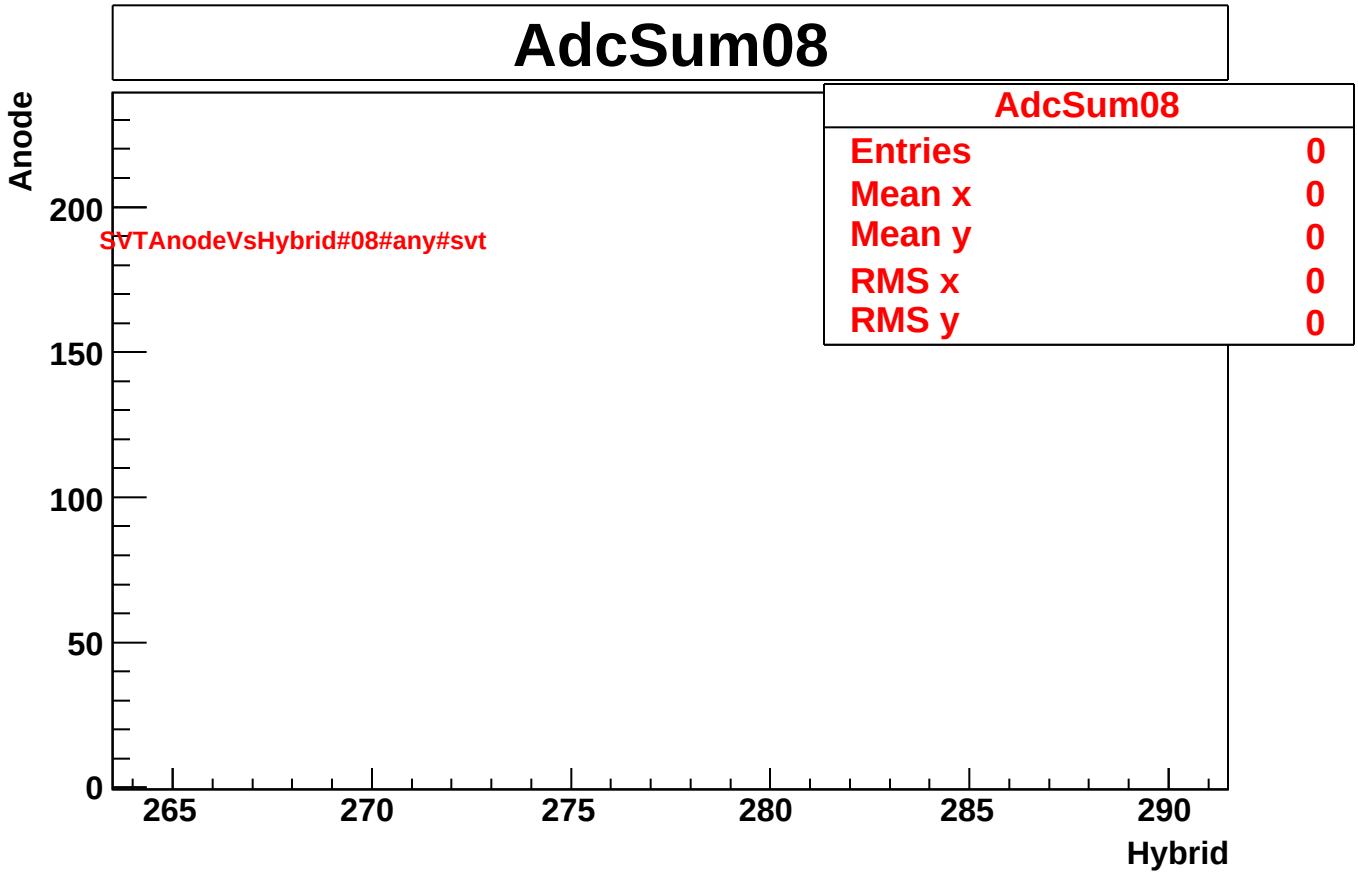

Hit05
Hit05
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
175
180
185
190
195
200
205
Hybrid

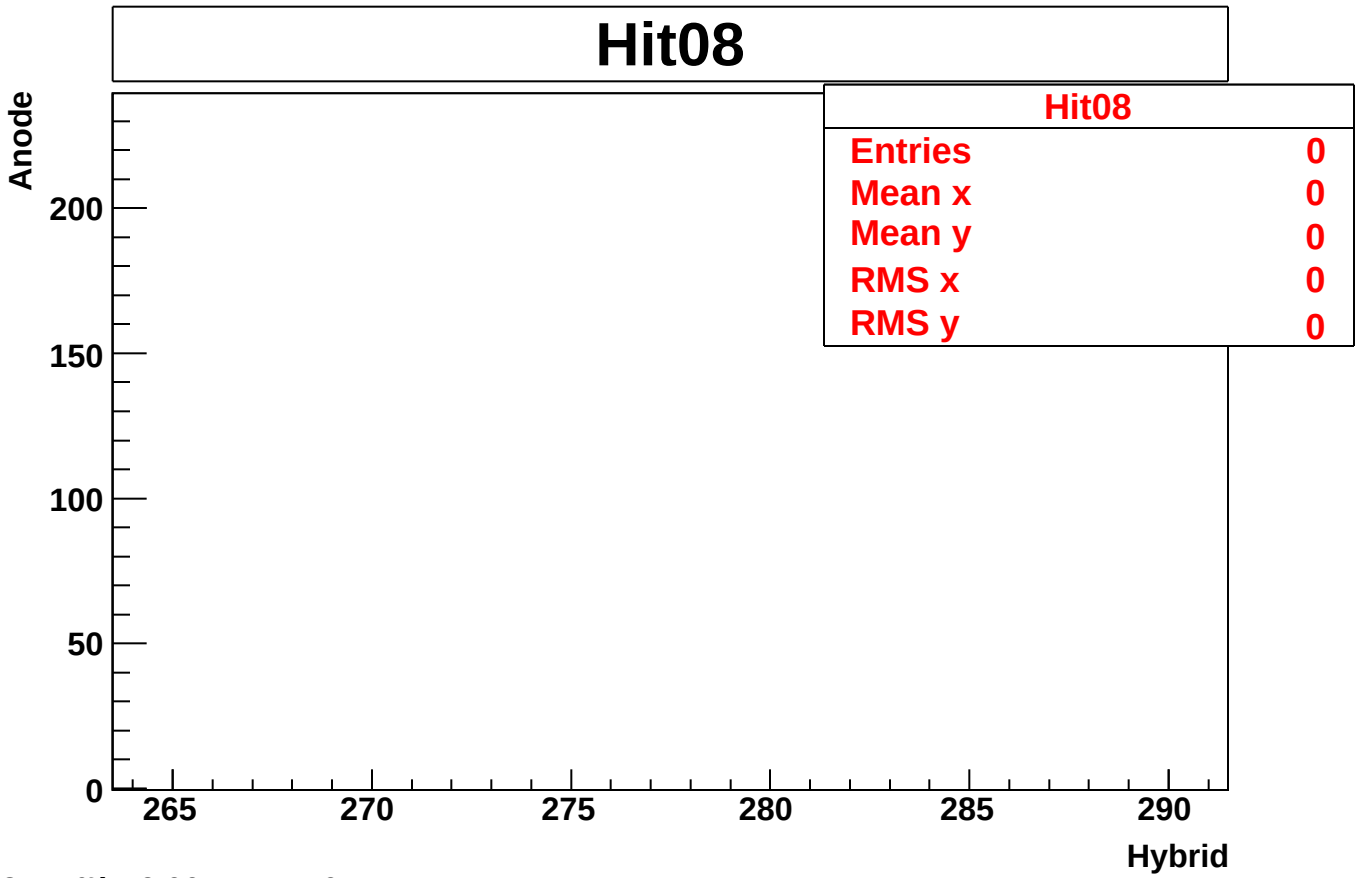

AdcSum06
AdcSum06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#06#any#svt
Anode
0
50
100
150
200
210
215
220
225
230
235
Hybrid

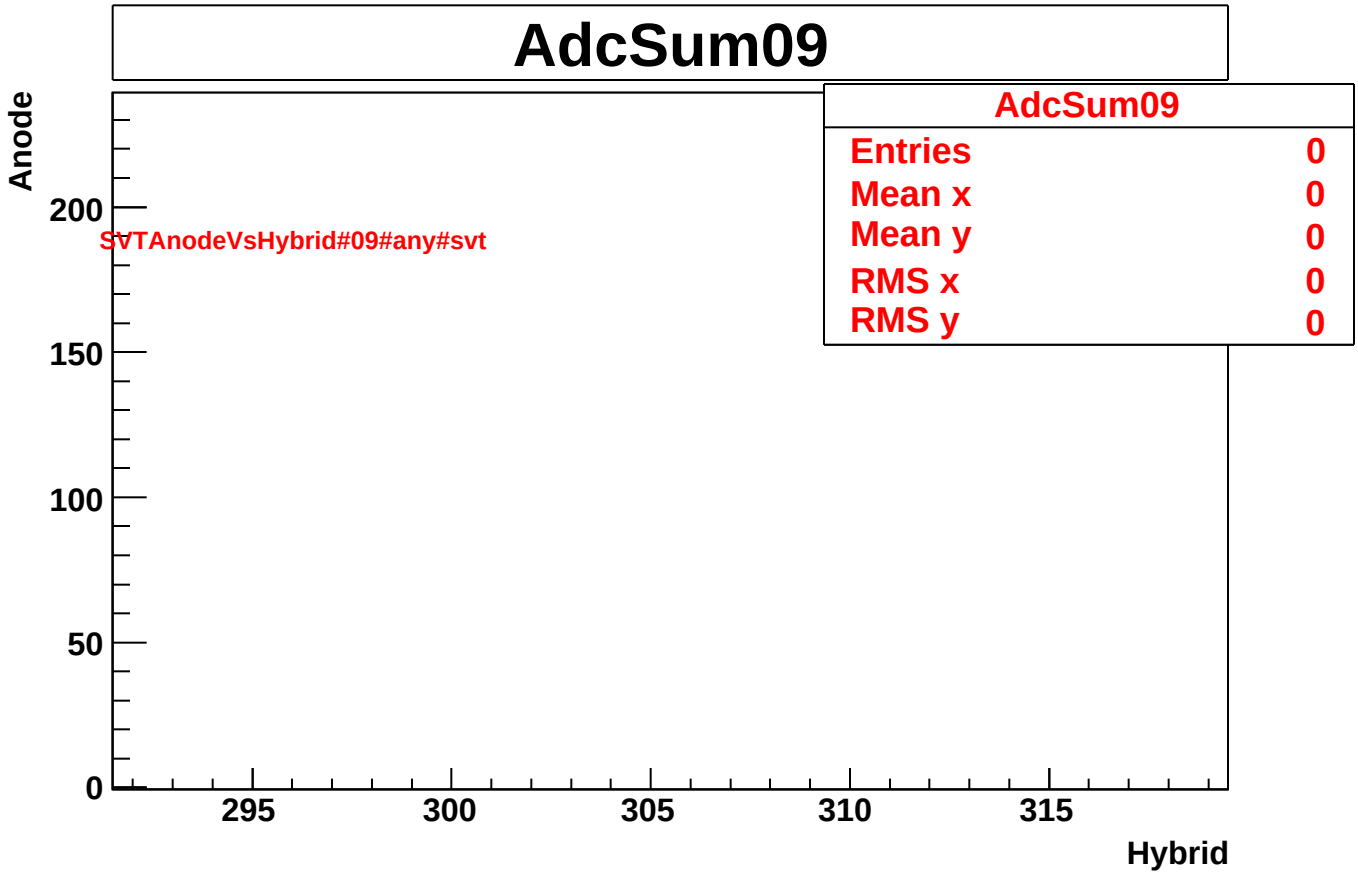

Hit06
Hit06
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
210
215
220
225
230
235
Hybrid

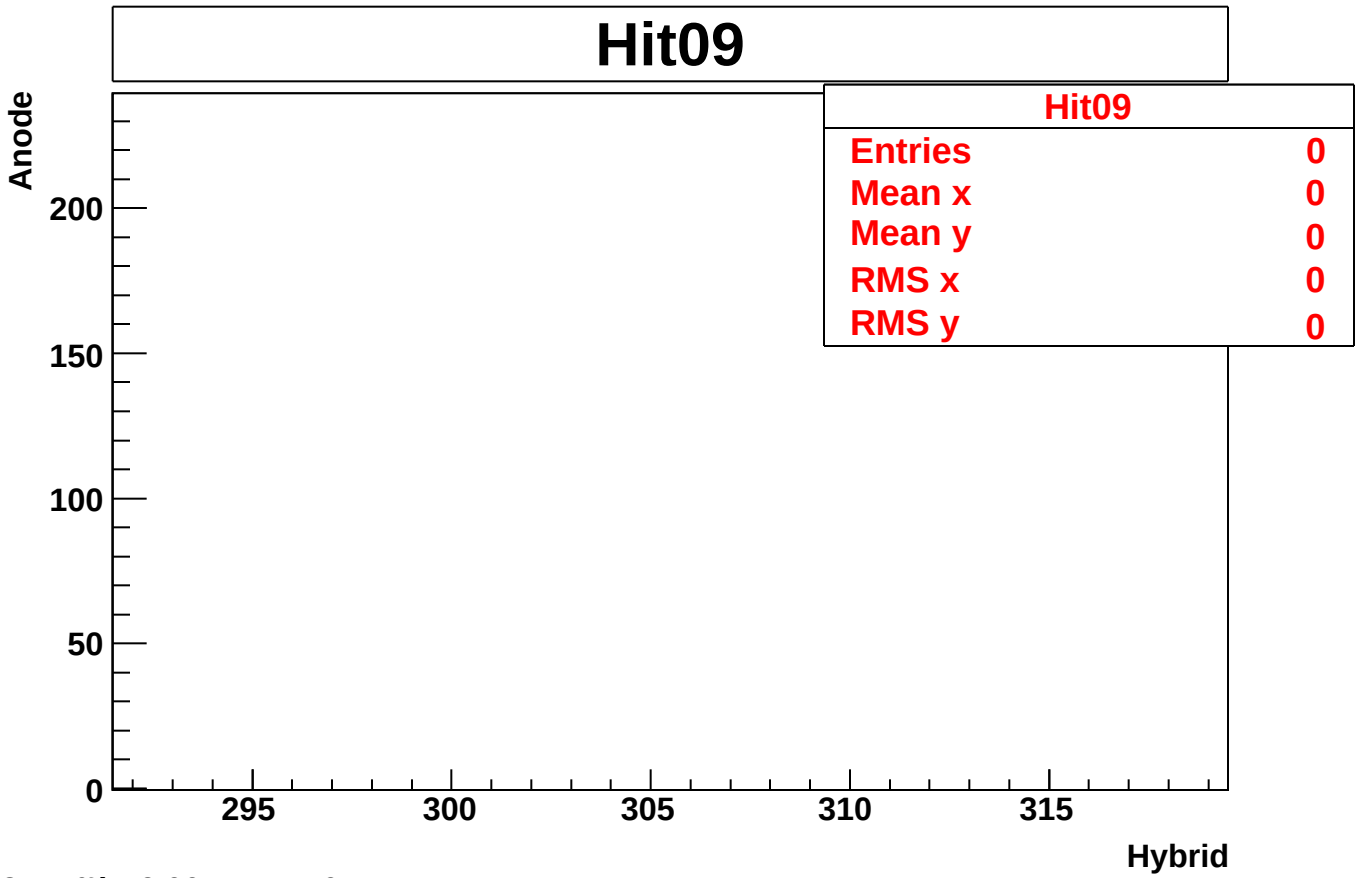

AdcSum07
AdcSum07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#07#any#svt
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

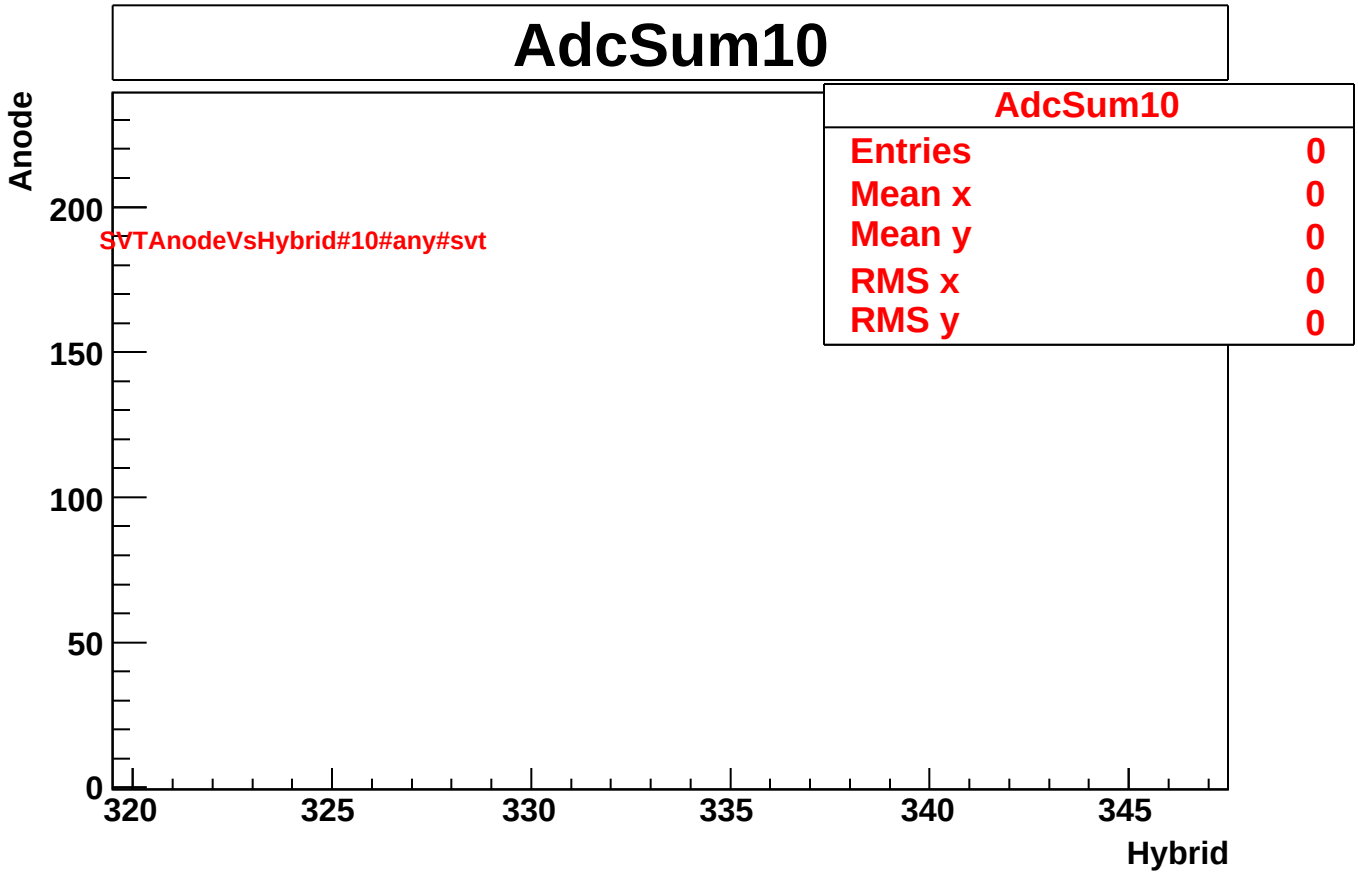

Hit07
Hit07
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
240
245
250
255
260
Hybrid

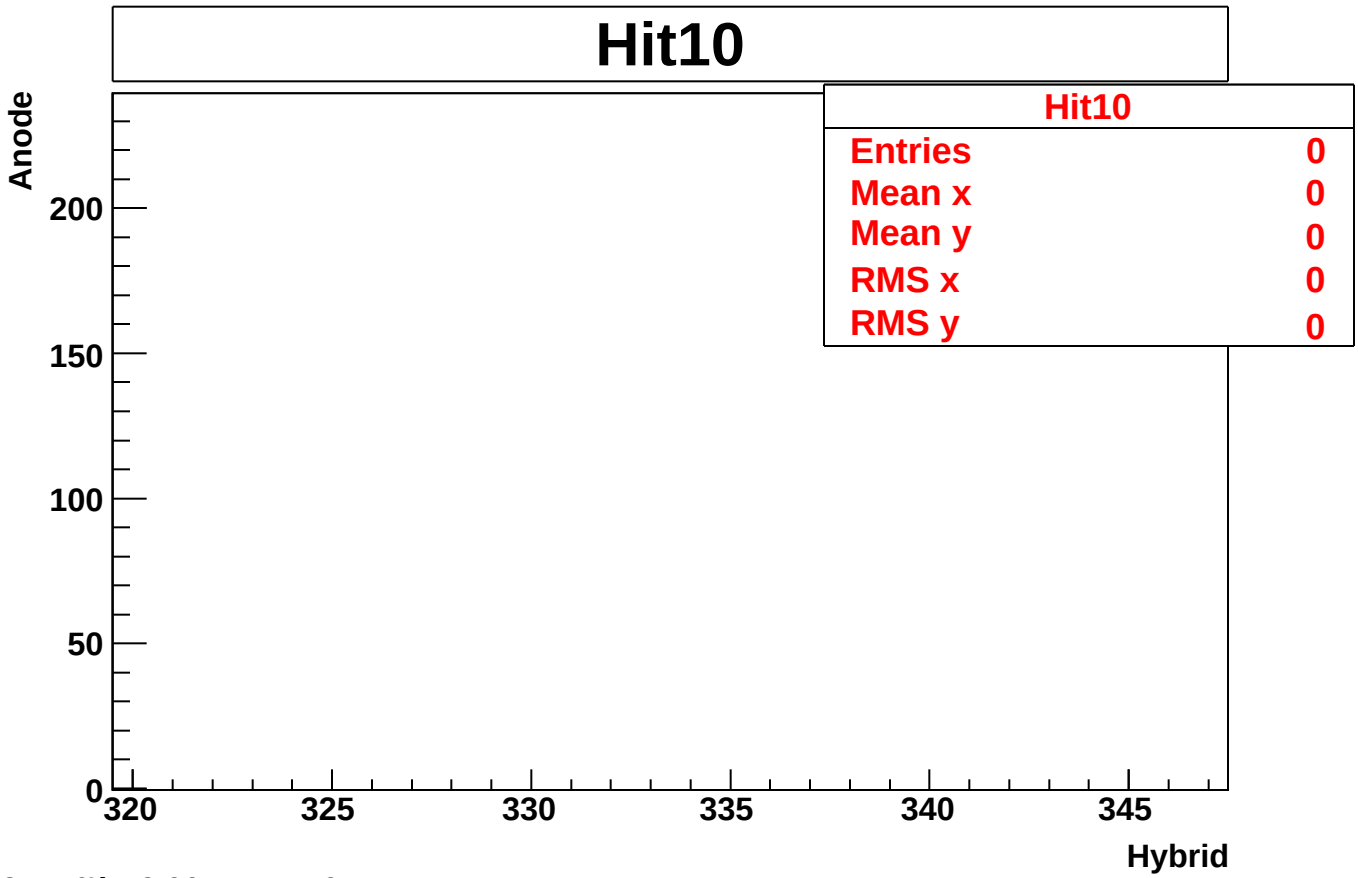

AdcSum08
AdcSum08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#08#any#svt
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

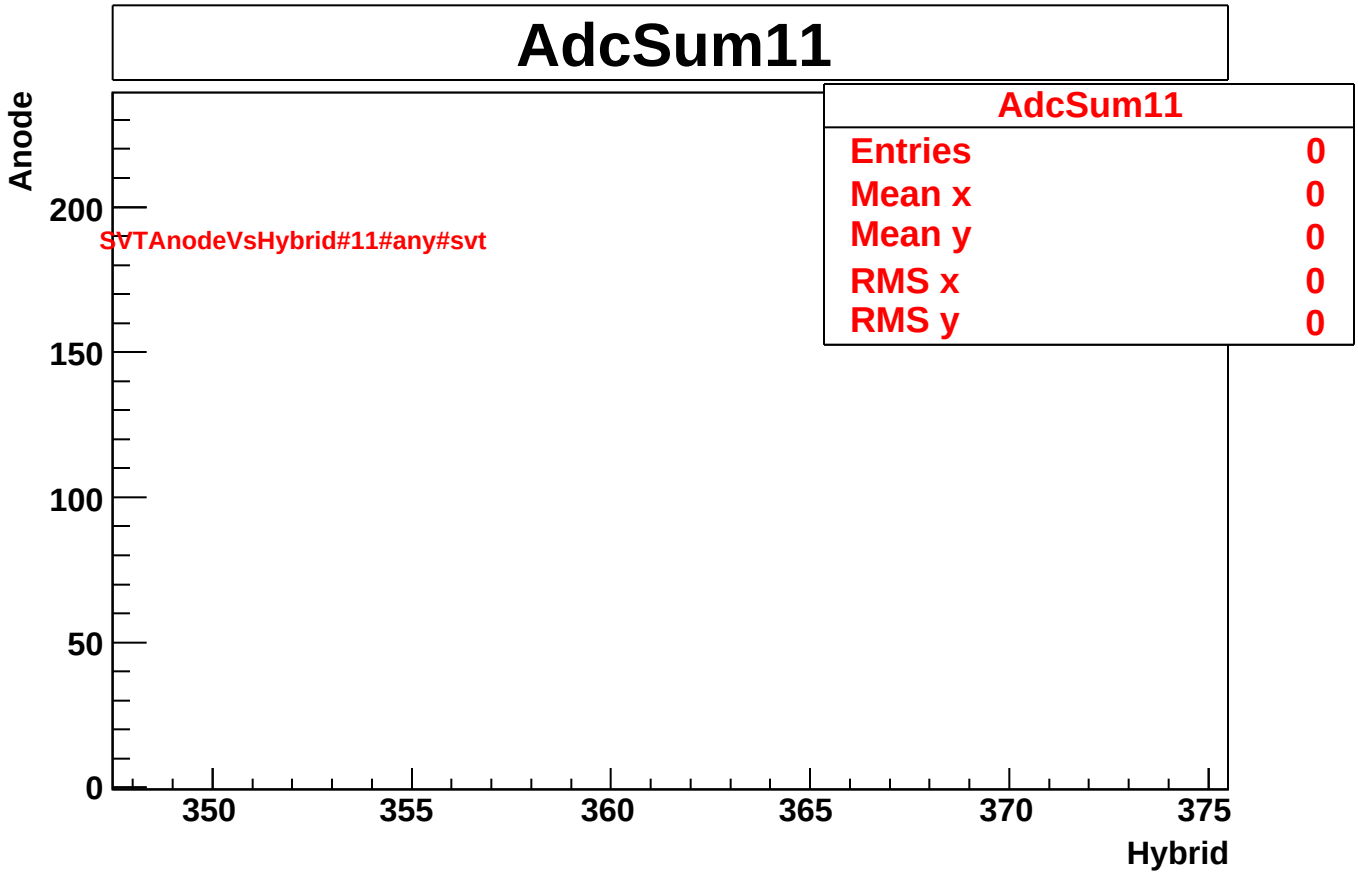

Hit08
Hit08
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
265
270
275
280
285
290
Hybrid

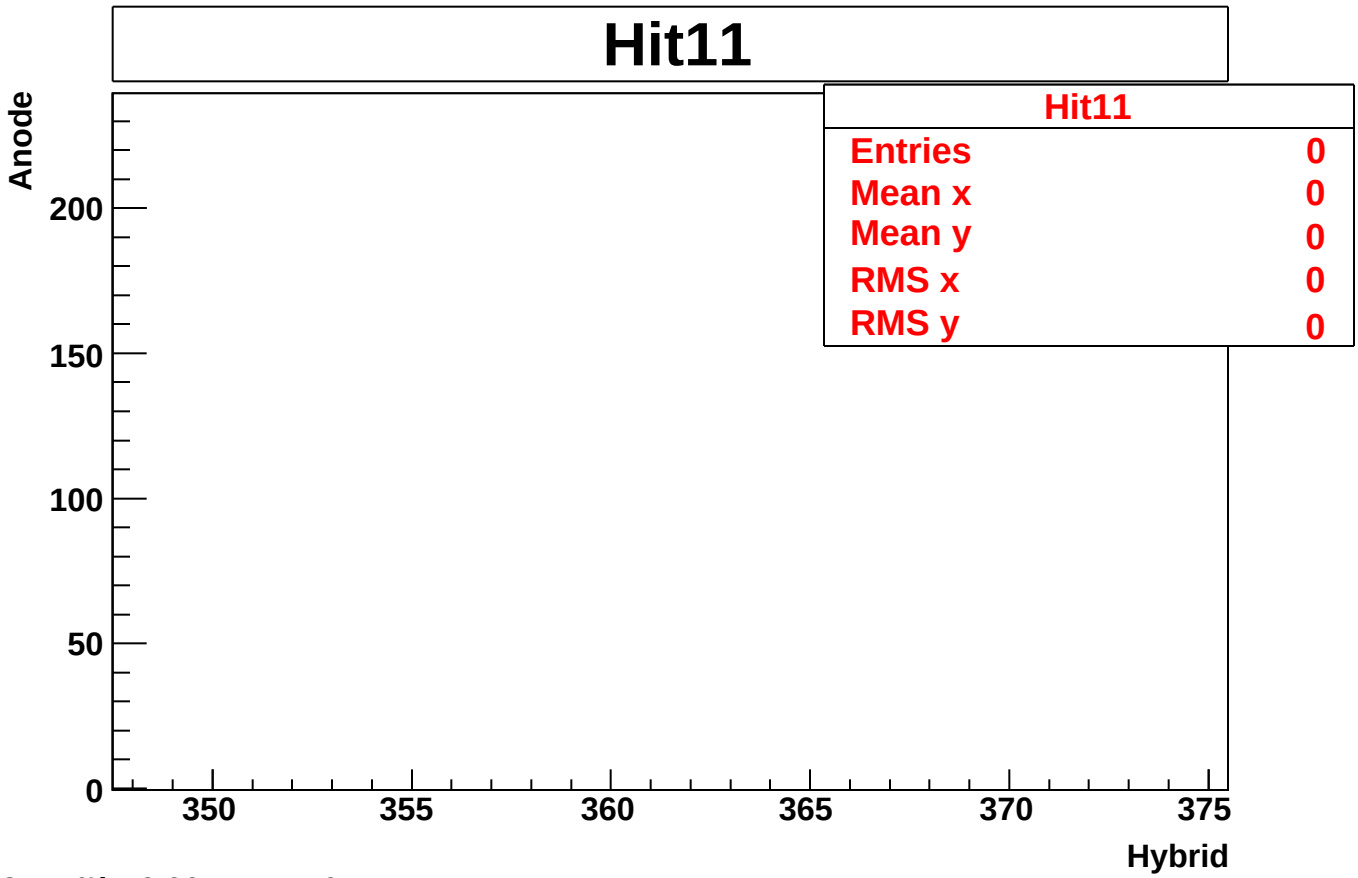

AdcSum09
AdcSum09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#09#any#svt
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

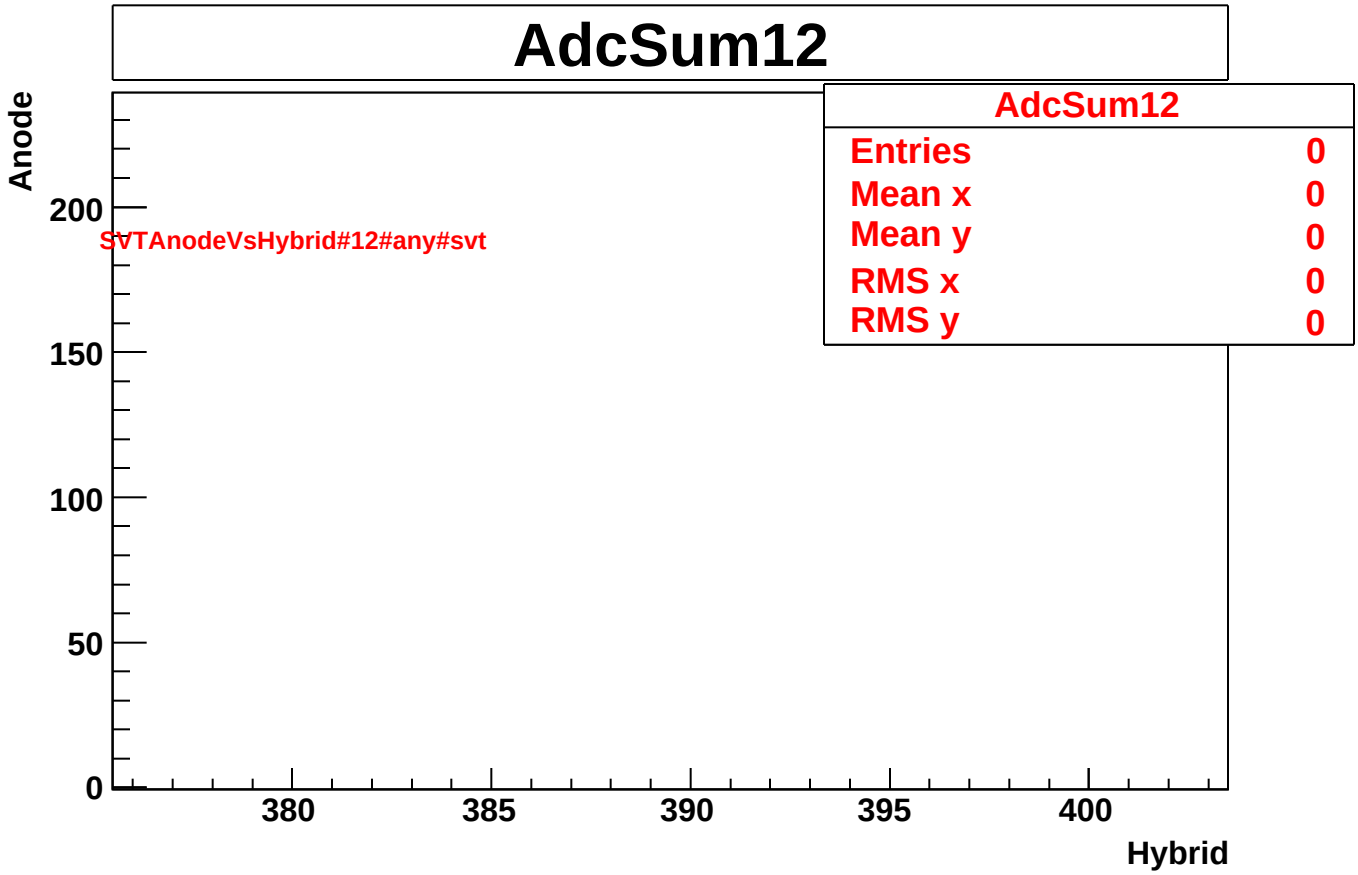

Hit09
Hit09
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
295
300
305
310
315
Hybrid

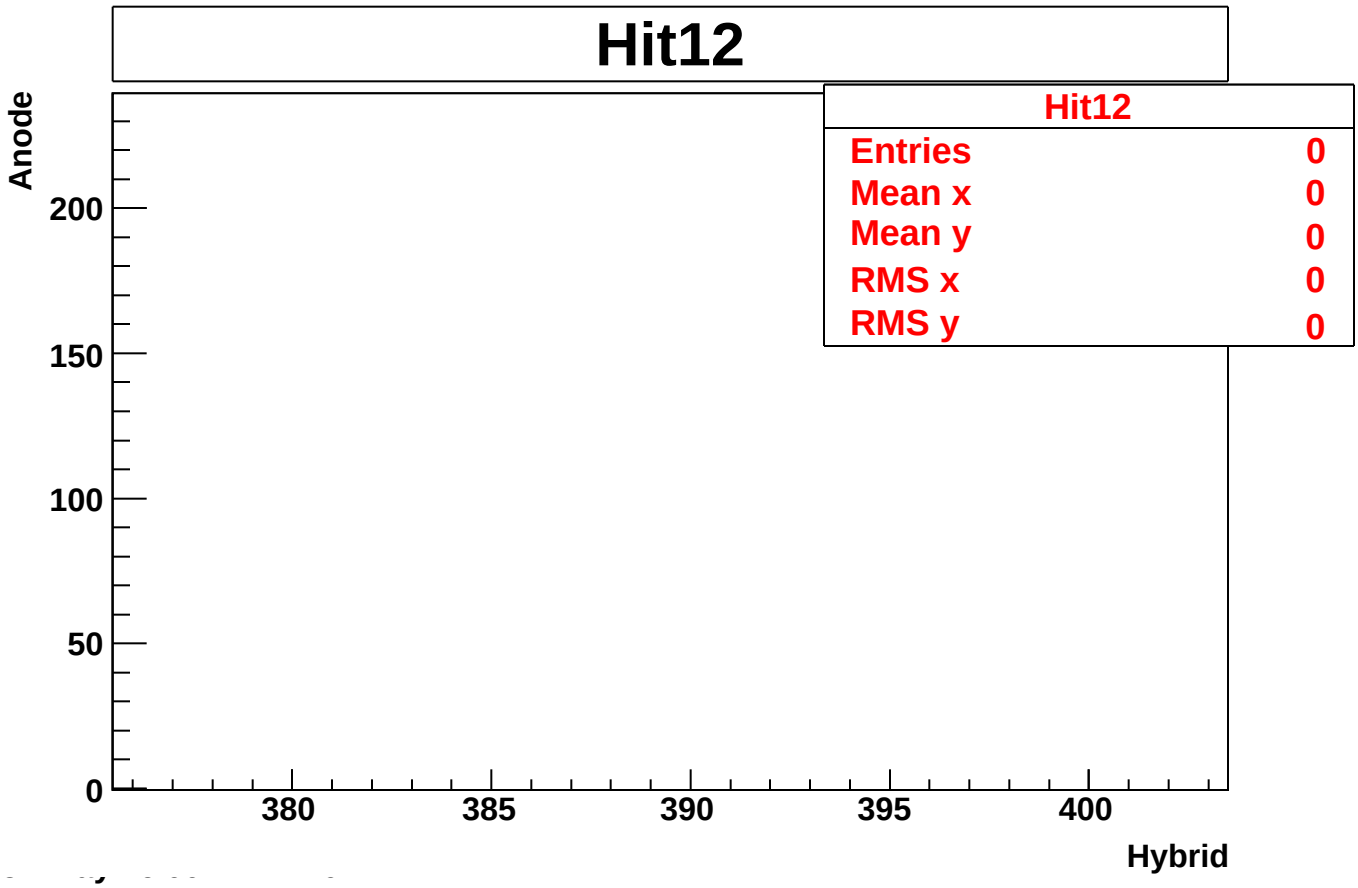

AdcSum10
AdcSum10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#10#any#svt
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

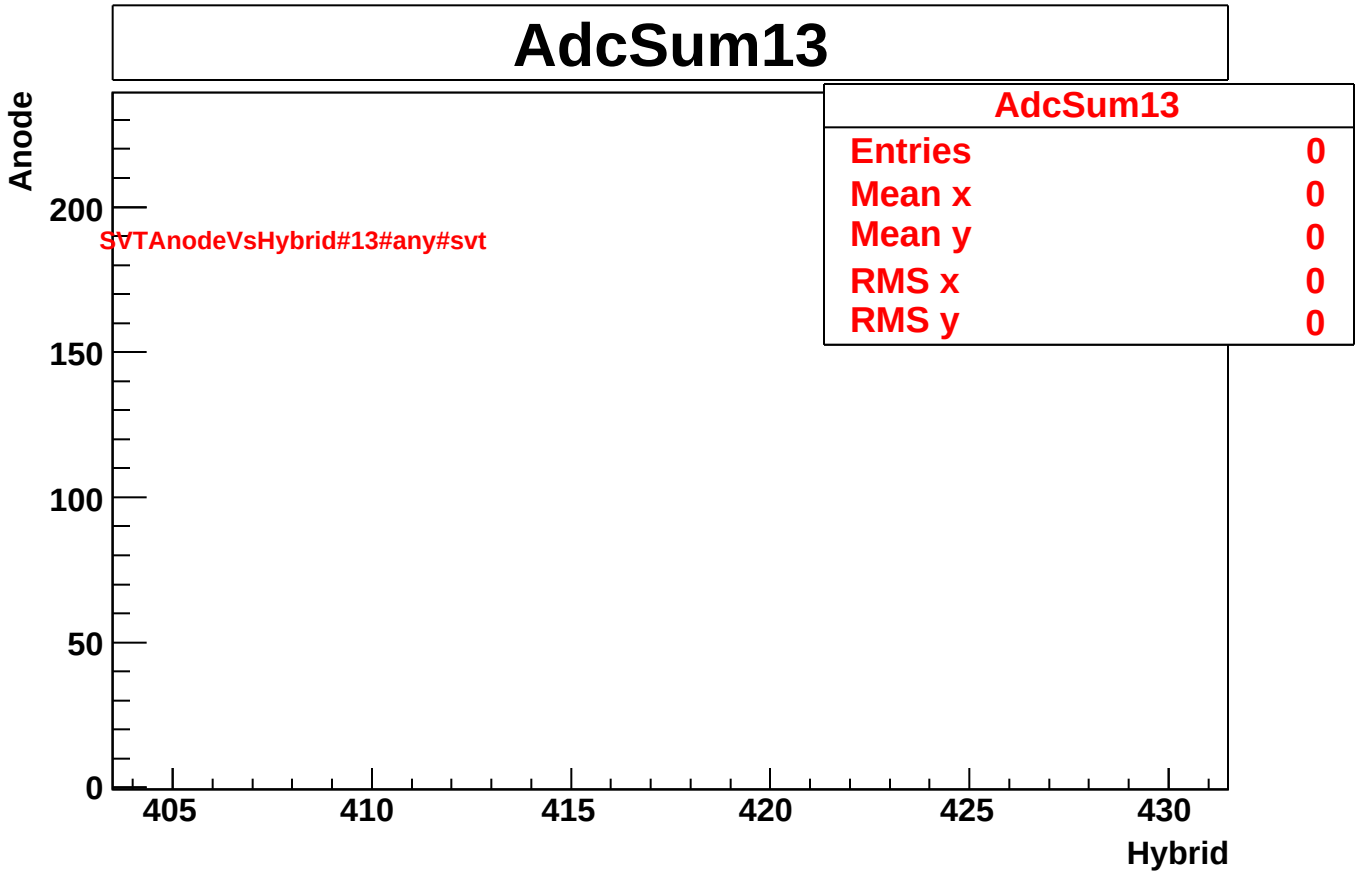

Hit10
Hit10
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
320
325
330
335
340
345
Hybrid

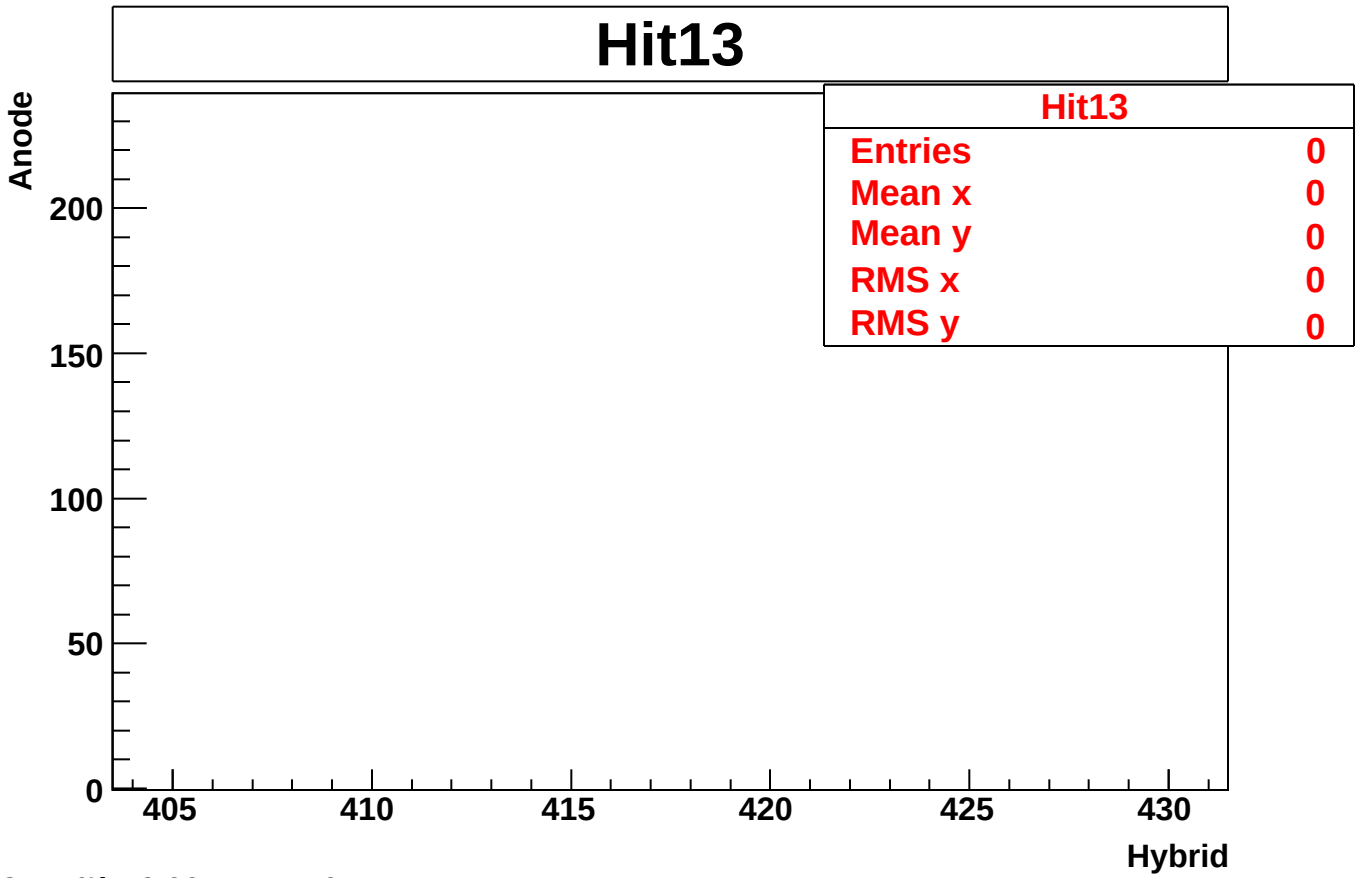

AdcSum11
AdcSum11
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#11#any#svt
Anode
200
150
100
50
0
350
355
360
365
370
375
Hybrid


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

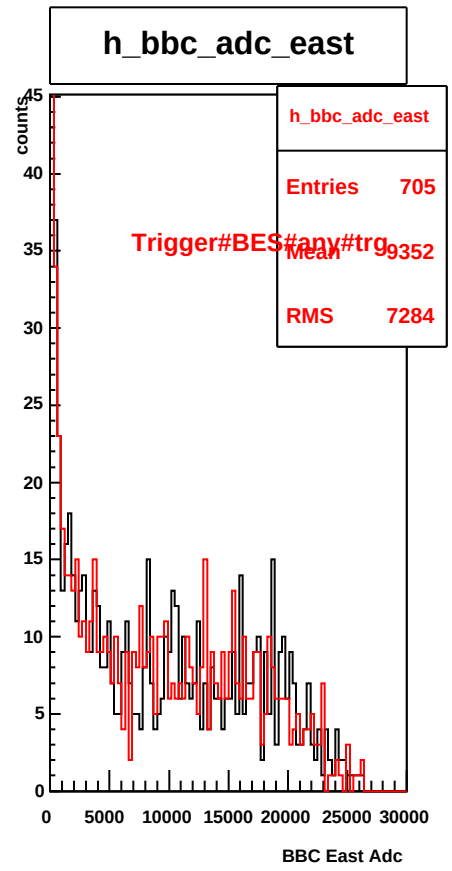

AdcSum12
AdcSum12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#12#any#svt
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

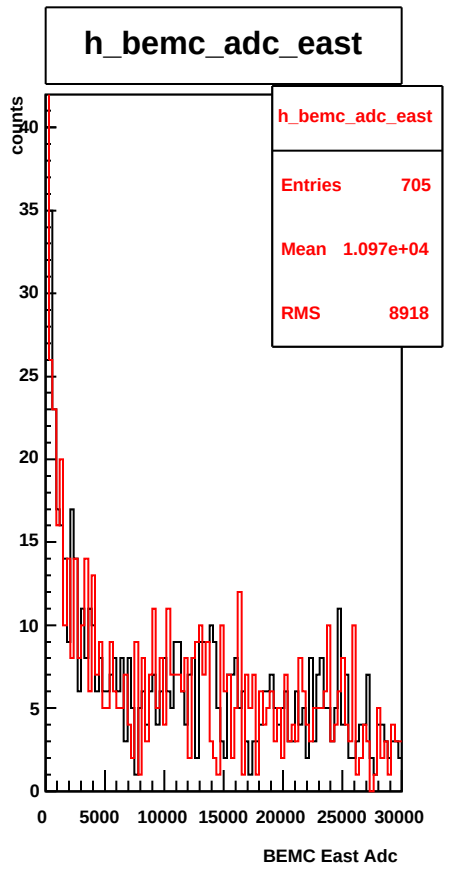

Hit12
Hit12
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
200
150
100
50
0
380
385
390
395
400
Hybrid

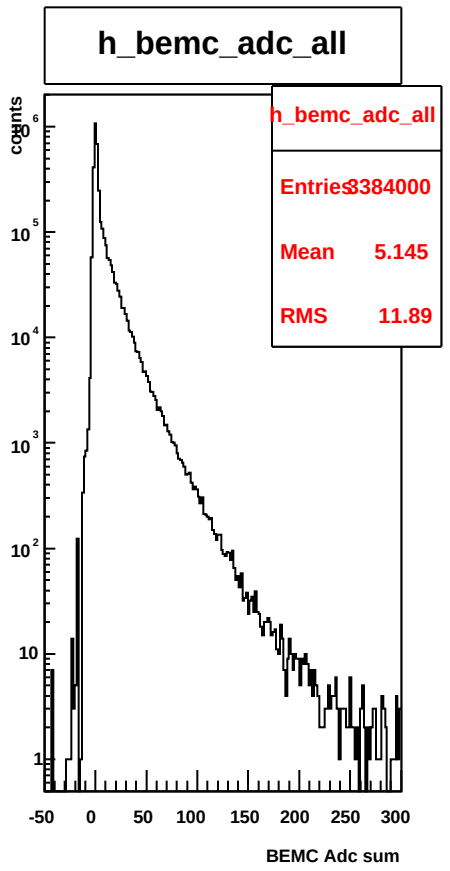

AdcSum13
AdcSum13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SVTAnodeVsHybrid#13#any#svt
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

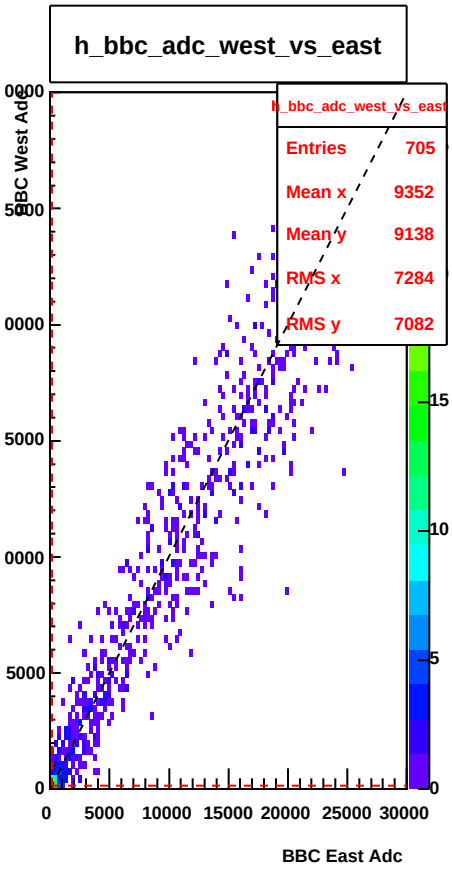

Hit13
Hit13
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
Anode
0
50
100
150
200
405
410
415
420
425
430
Hybrid

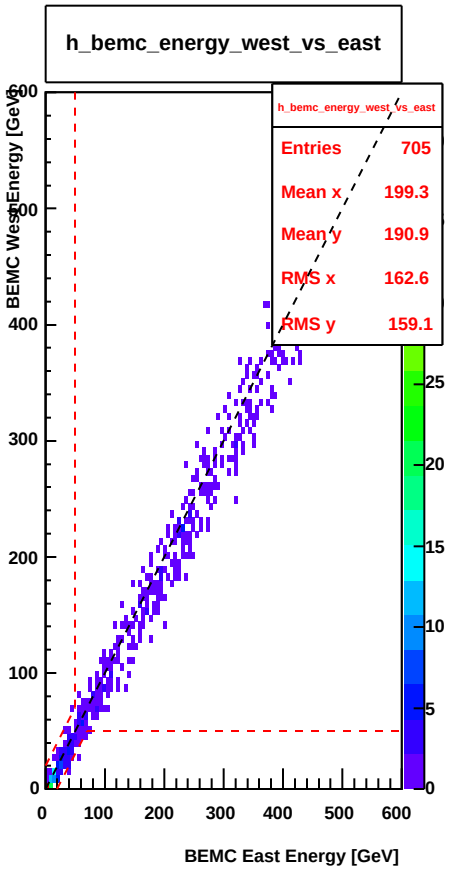
**Ssd#Pedestal#pedestal#ssd**

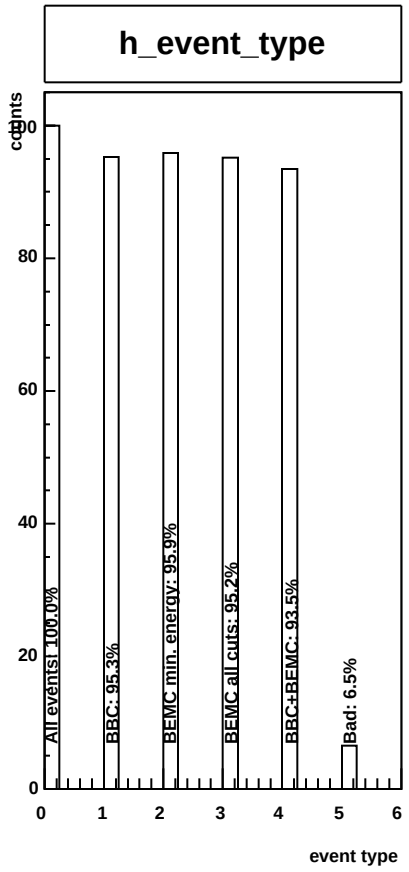

h_bbc_adc_east
h_bbc_adc_east
Entries 705
Mean 9352
RMS 7284
Trigger#BES#any#trg
counts
BBC East Adc

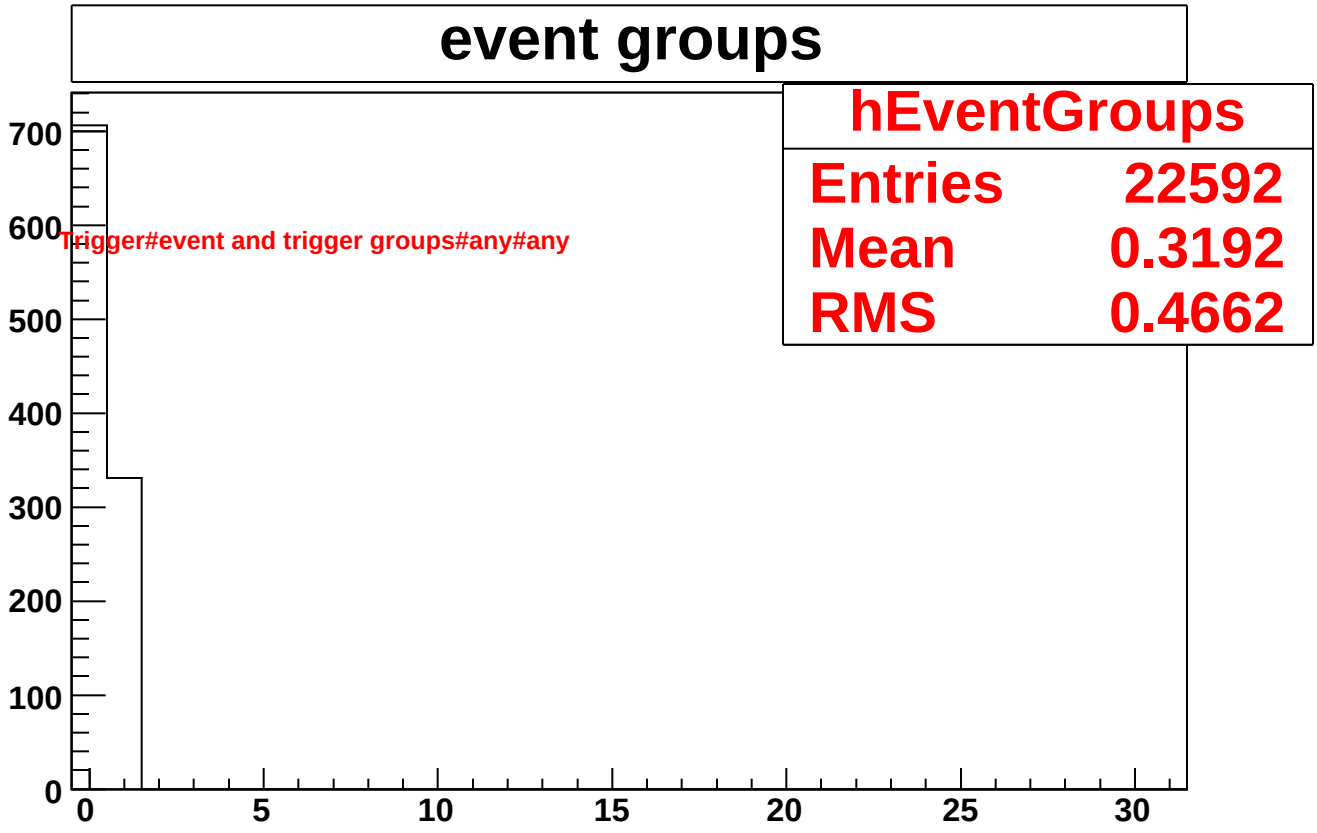

h_bemc_adc_east
h_bemc_adc_east
Entries 705
Mean 1.097e+04
RMS 8918
counts
BEMC East Adc

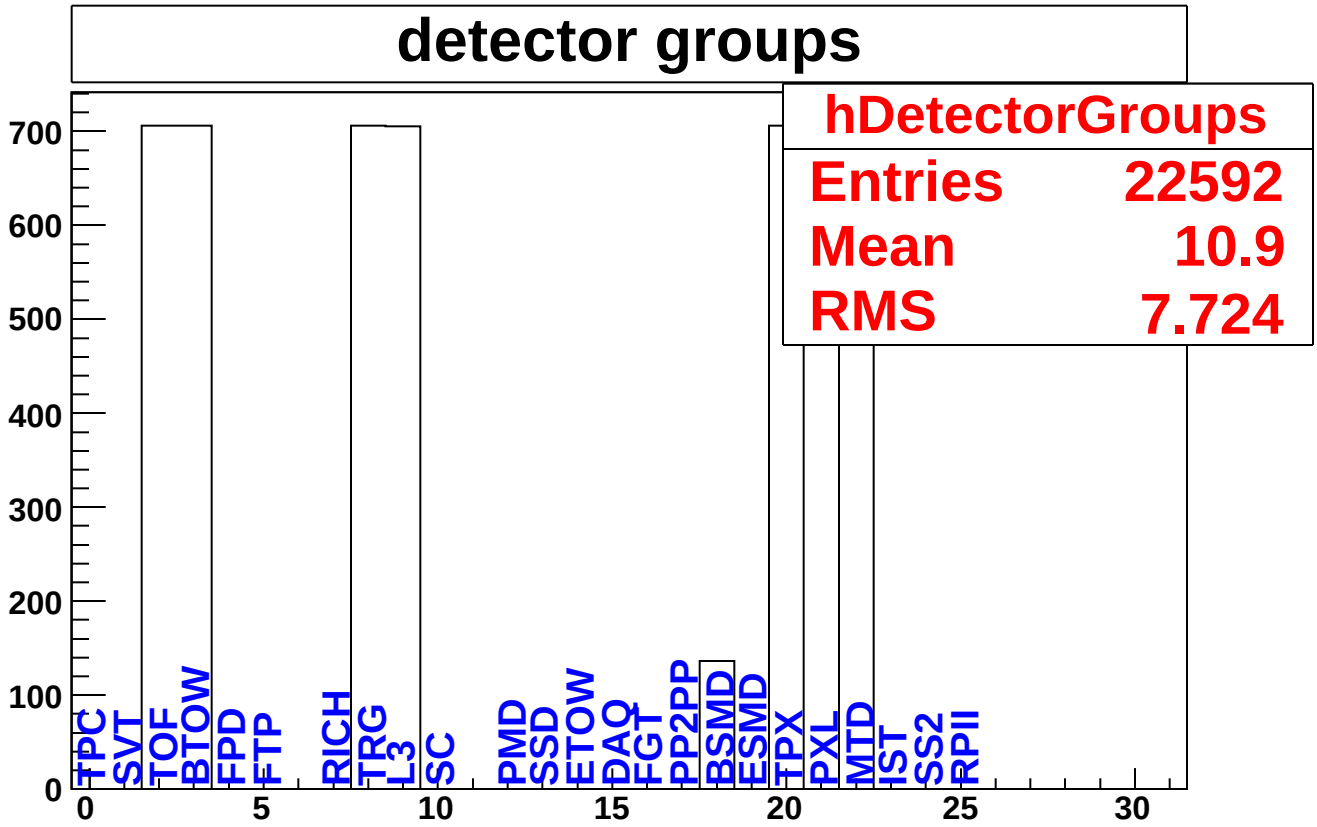

h_bemc_adc_all
h_bemc_adc_all
Entries 3384000
Mean 5.145
RMS 11.89
counts
BEMC Adc sum

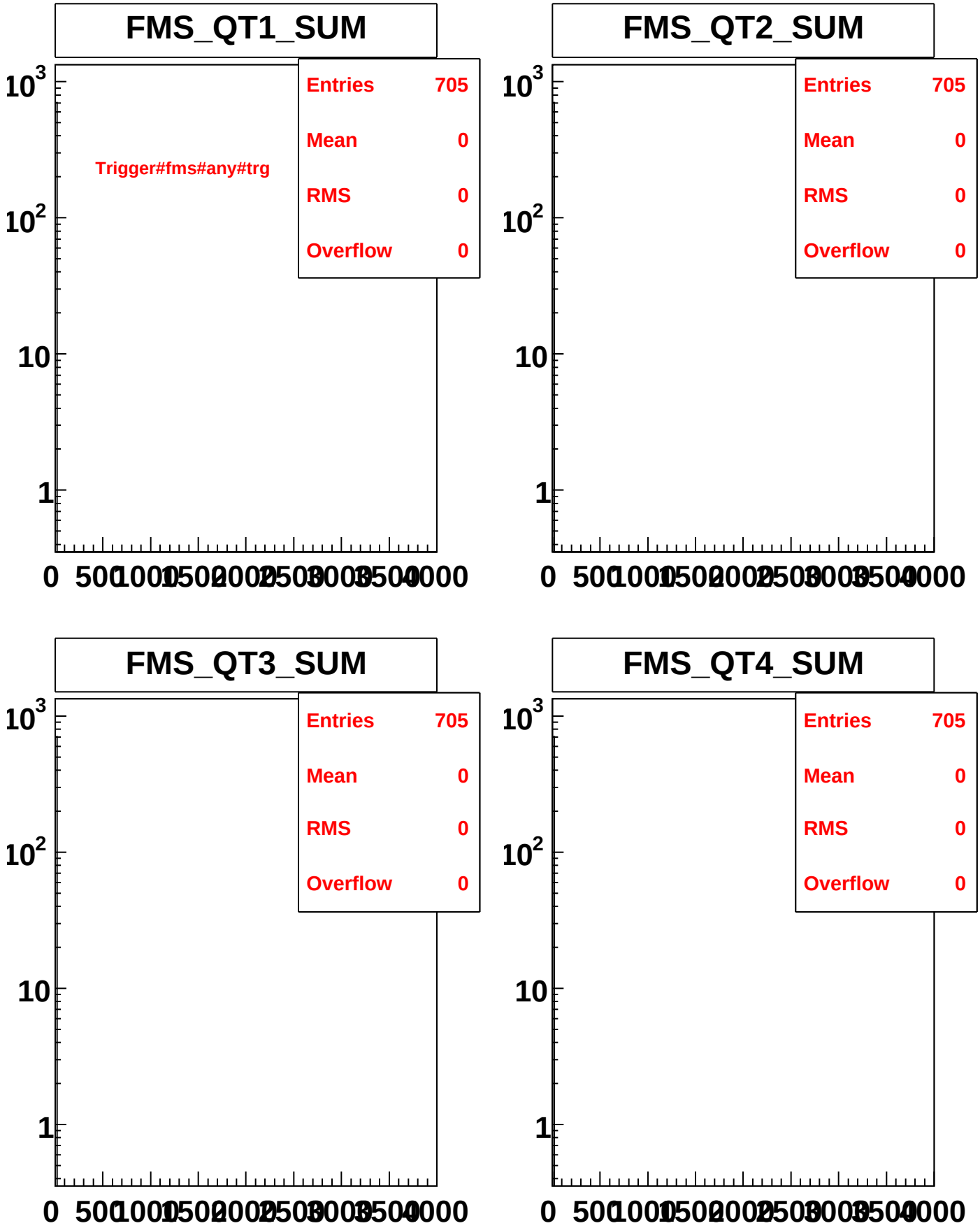

h_bbc_adc_west_vs_east
h_bbc_adc_west_vs_east
Entries 705
Mean x 9352
Mean y 9138
RMS x 7284
RMS y 7082
BBC West Adc
BBC East Adc

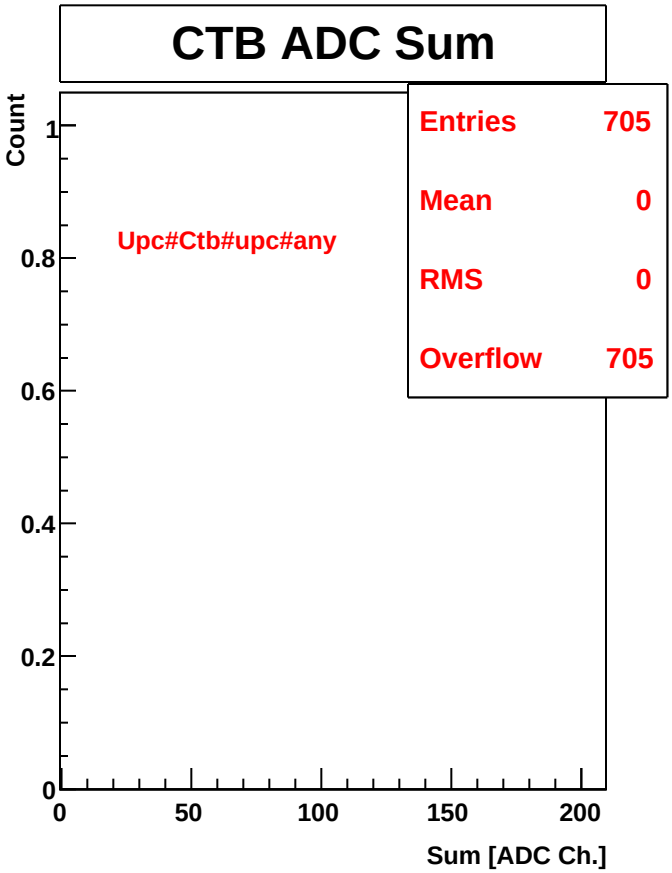

h_bemc_energy_west_vs_east
h_bemc_energy_west_vs_east
Entries 705
Mean x 199.3
Mean y 190.9
RMS x 162.6
RMS y 159.1
BEMC West Energy [GeV]
BEMC East Energy [GeV]

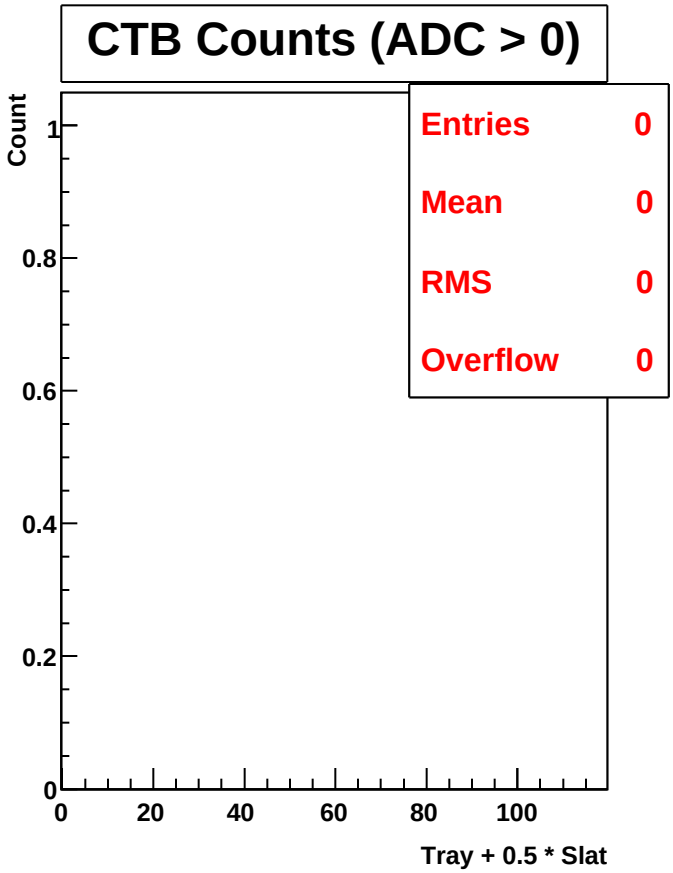

h_event_type
counts
All events: 100.0%
BBC: 95.3%
BEMC min. energy: 95.9%
BEMC all cuts: 95.2%
BBC+BEMC: 93.5%
Bad: 6.5%
event type

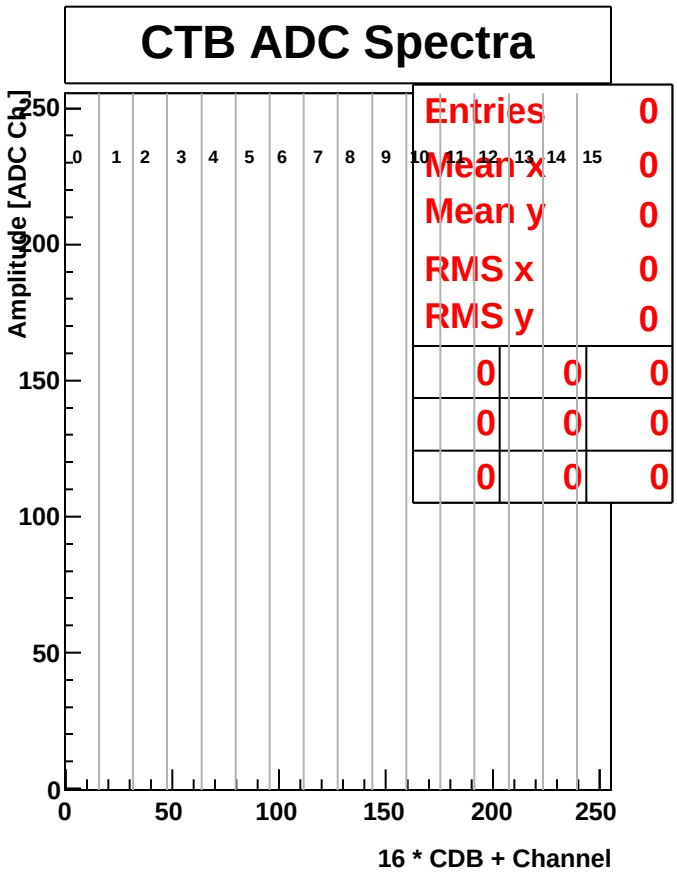

event groups
hEventGroups
Entries 22592
Mean 0.3192
RMS 0.4662
Trigger#event and trigger groups#any#any
0
100
200
300
400
500
600
700
0
5
10
15
20
25
30

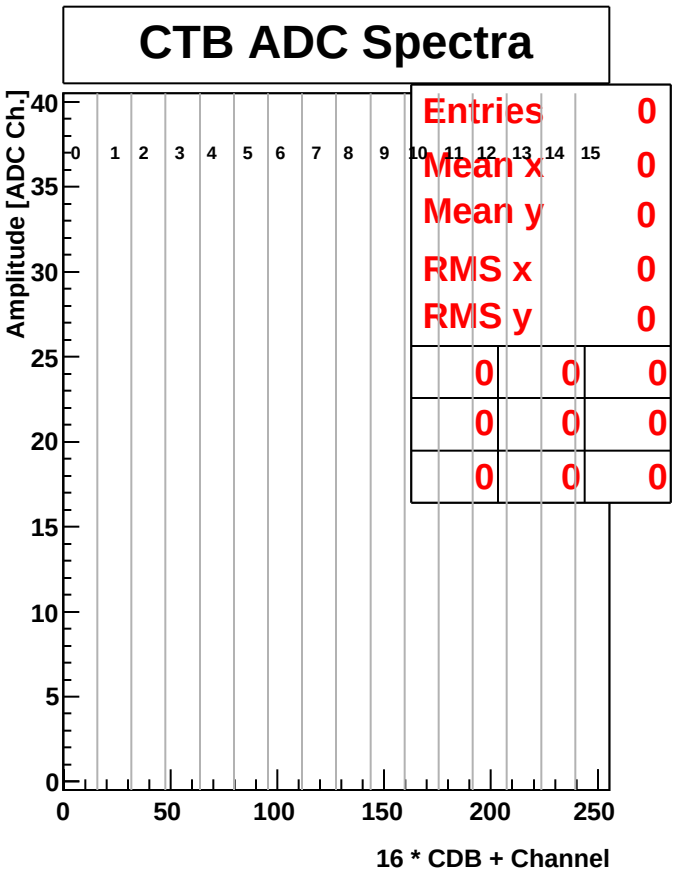

detector groups
hDetectorGroups
Entries 22592
Mean 10.9
RMS 7.724
TPC
SVT
TOF
BTOW
FPD
FTP
RICH
TRG
L3
SC
PMD
SSD
ETOW
DAQ
FGT
PP2PP
BSMD
ESMD
TPX
PXL
MTD
IST
SS2
RPII
0
100
200
300
400
500
600
700
0
5
10
15
20
25
30

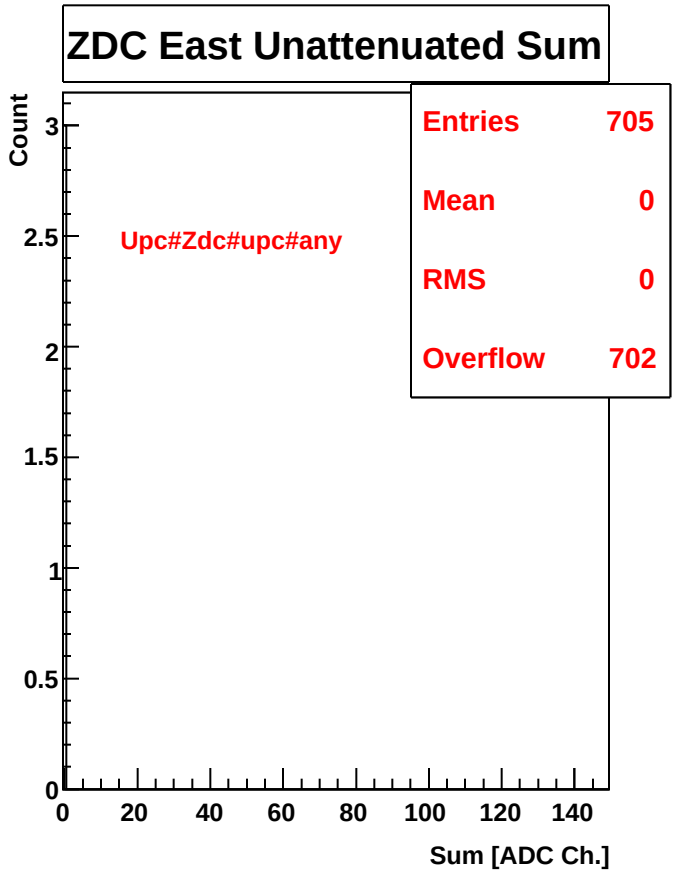

FMS_QT1_SUM
Entries 705
Mean 0
RMS 0
Overflow 0
Trigger#fms#any#trg
FMS_QT2_SUM
Entries 705
Mean 0
RMS 0
Overflow 0
FMS_QT3_SUM
Entries 705
Mean 0
RMS 0
Overflow 0
FMS_QT4_SUM
Entries 705
Mean 0
RMS 0
Overflow 0

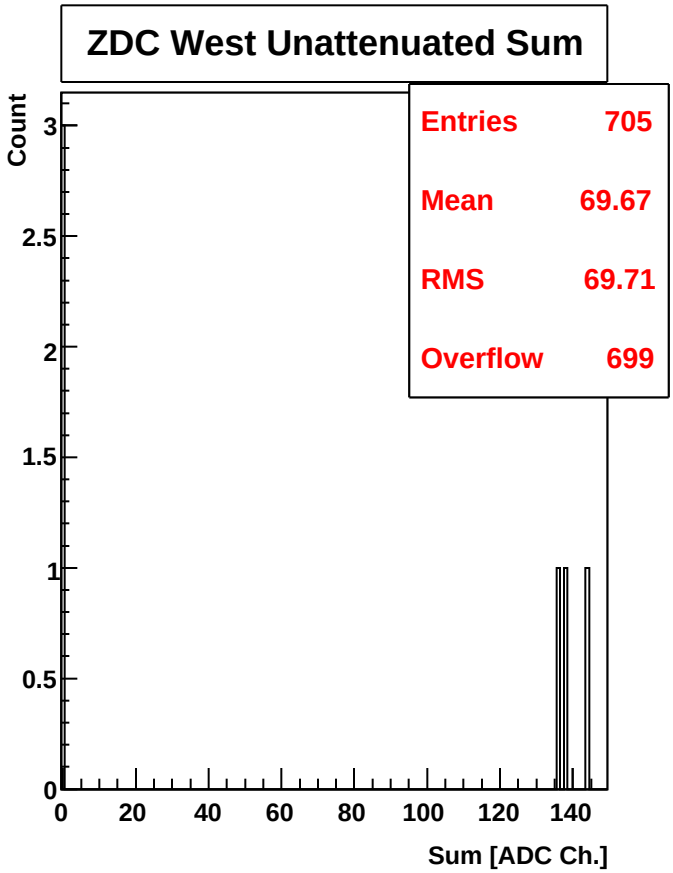

CTB ADC Sum
Count
Upc#Ctb#upc#any
Entries 705
Mean 0
RMS 0
Overflow 705
Sum [ADC Ch.]

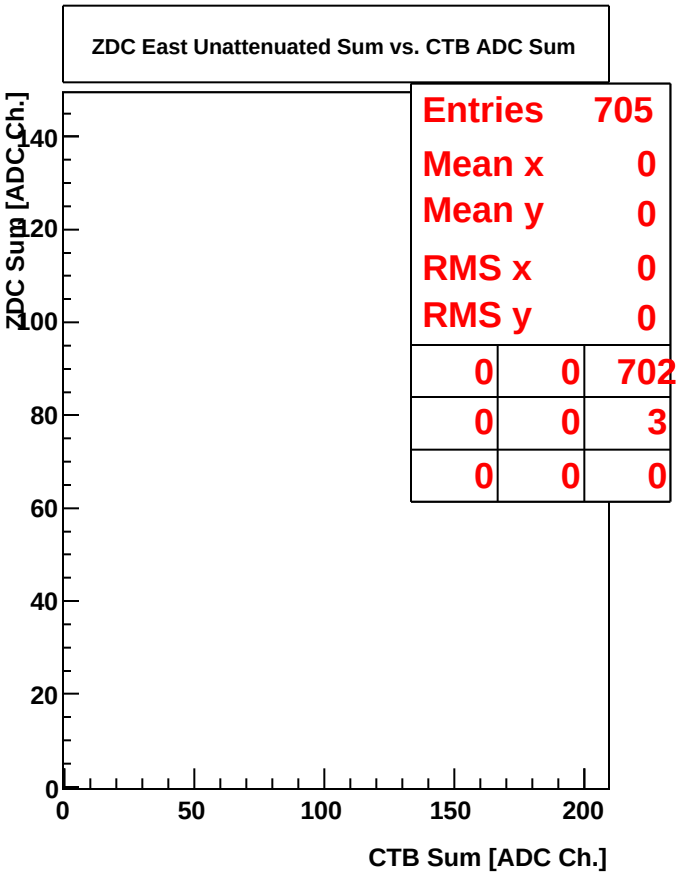

CTB Counts (ADC > 0)
Count
Entries 0
Mean 0
RMS 0
Overflow 0
Tray + 0.5 * Slat

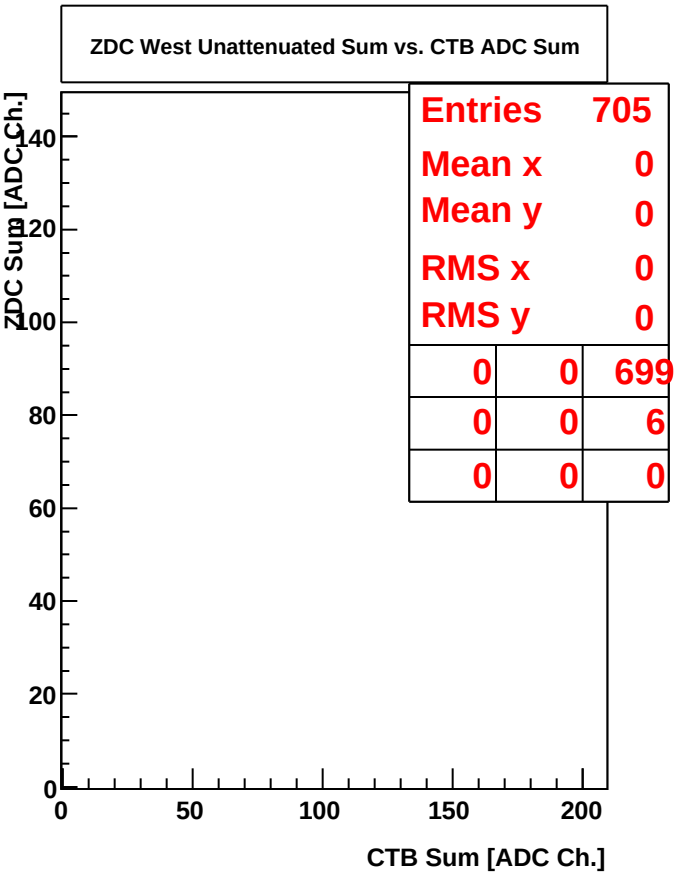

CTB ADC Spectra
Amplitude [ADC Ch.]
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
16 * CDB + Channel


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


ZDC East Unattenuated Sum
Entries 705
Mean 0
RMS 0
Overflow 702
Upc#Zdc#upc#any
Count
Sum [ADC Ch.]


ZDC West Unattenuated Sum
Entries 705
Mean 69.67
RMS 69.71
Overflow 699
Count
Sum [ADC Ch.]


ZDC East Unattenuated Sum vs. CTB ADC Sum
Entries 705
Mean x 0
Mean y 0
RMS x 0
RMS y 0
0 0 702
0 0 3
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]


ZDC West Unattenuated Sum vs. CTB ADC Sum
Entries 705
Mean x 0
Mean y 0
RMS x 0
RMS y 0
0 0 699
0 0 6
0 0 0
ZDC Sum [ADC Ch.]
CTB Sum [ADC Ch.]