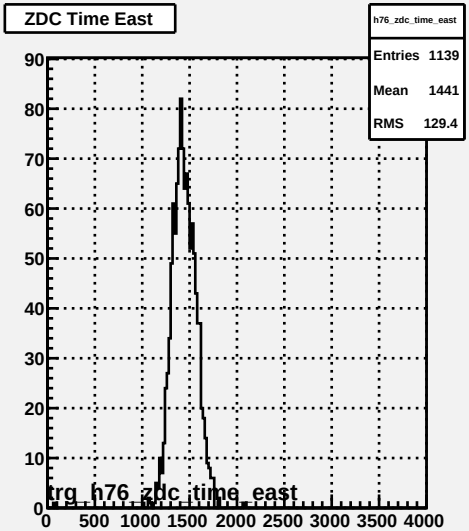
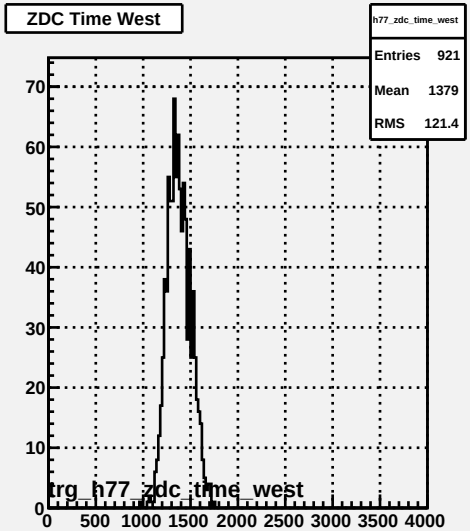
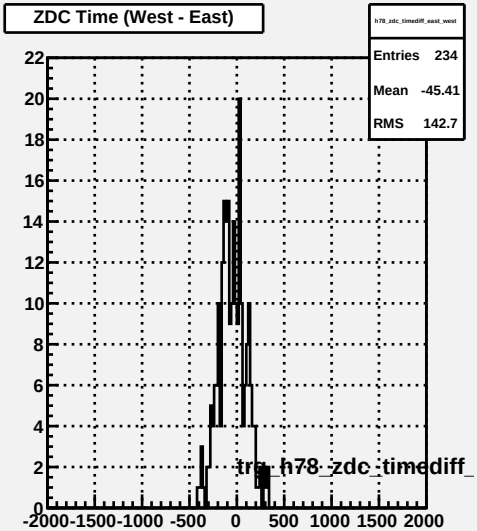
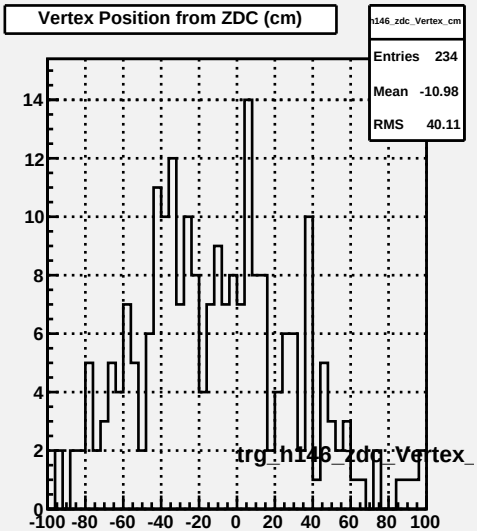
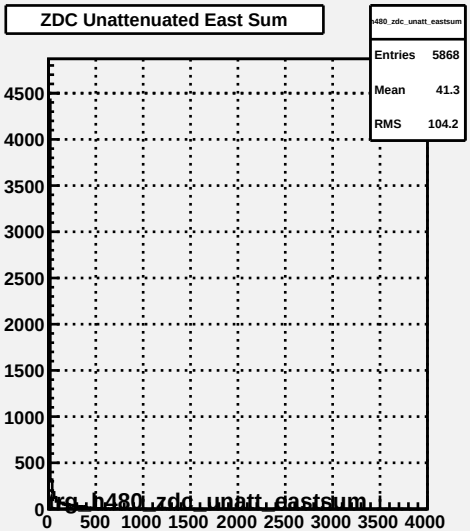
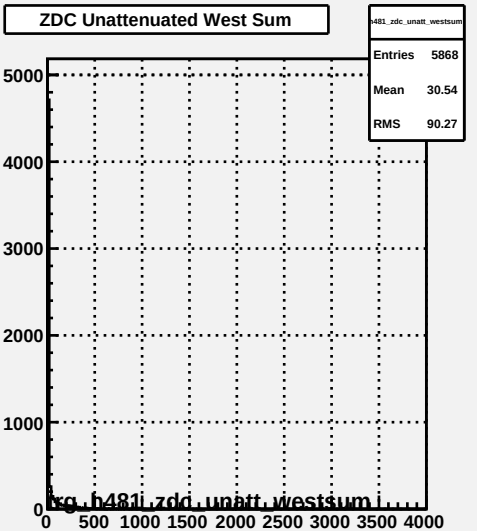

ZDC Time East
h76_zdc_time_east
Entries 1139
Mean 1441
RMS 129.4
trg_h76_zdc_time_east

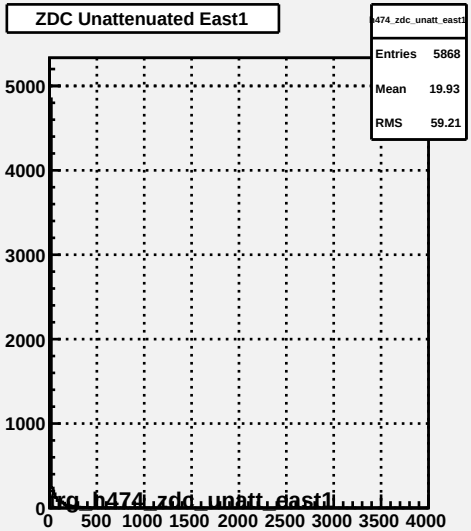

ZDC Time West
h77_zdc_time_west
Entries 921
Mean 1379
RMS 121.4
trg_h77_zdc_time_west

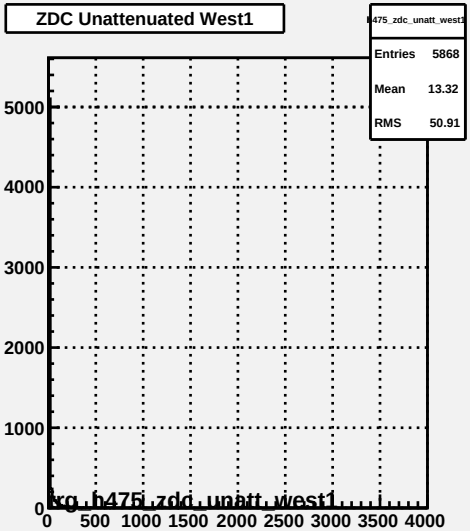

ZDC Time (West - East)
h78_zdc_timediff_east_west
Entries 234
Mean -45.41
RMS 142.7
trg_h78_zdc_timediff_

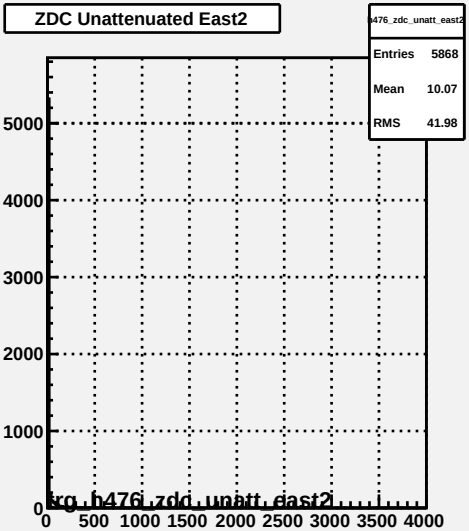

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 234
Mean -10.98
RMS 40.11
trg_h146_zdc_Vertex_

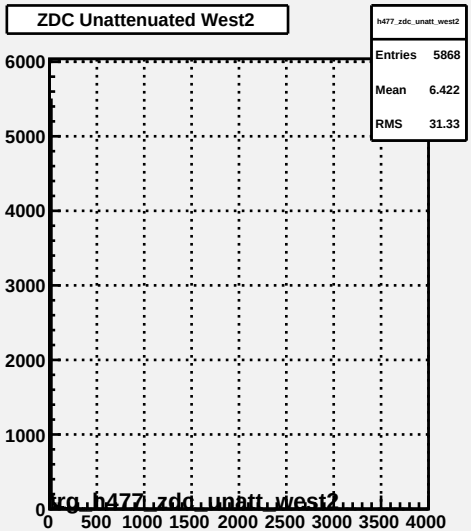

ZDC Unattenuated East Sum
h480_zdc_unatt_eastsum
Entries 5868
Mean 41.3
RMS 104.2
trg_h480_zdc_unatt_eastsum

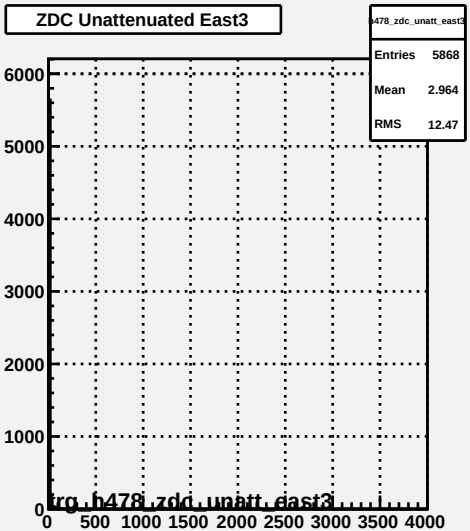

ZDC Unattenuated West Sum
h481_zdc_unatt_westsum
Entries 5868
Mean 30.54
RMS 90.27
trg_h481_zdc_unatt_westsum

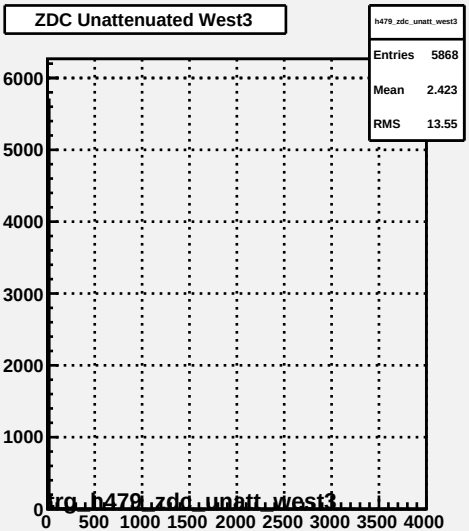

ZDC Unattenuated East1
h474_zdc_unatt_east1
Entries 5868
Mean 19.93
RMS 59.21
trg_h474_zdc_unatt_east1

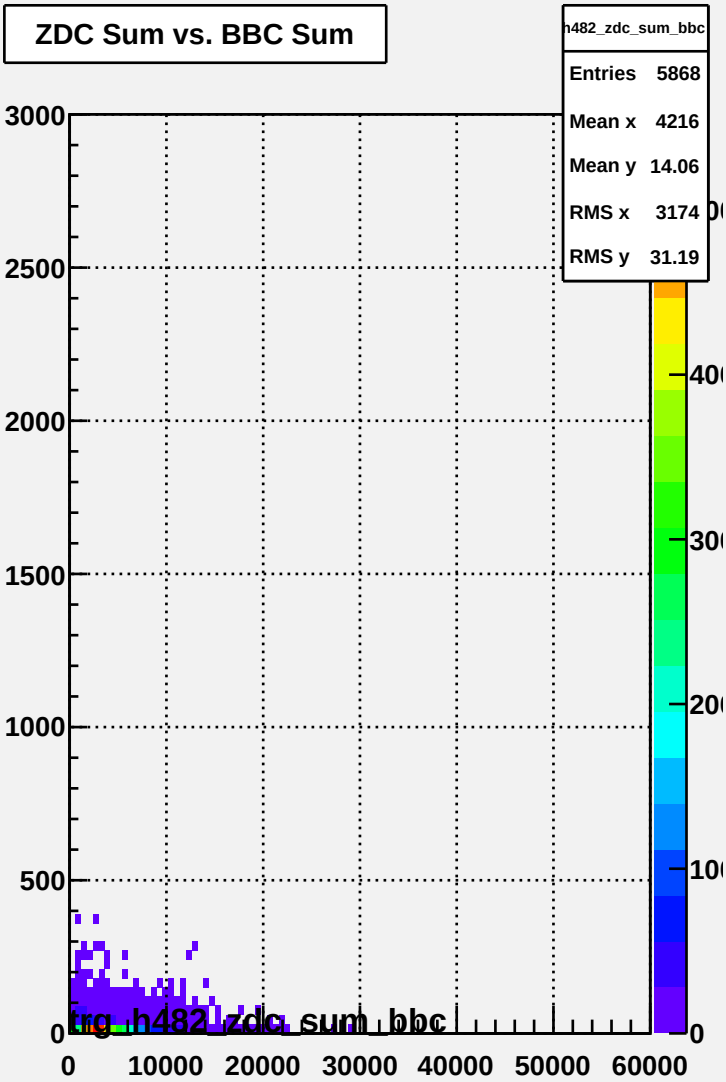

ZDC Unattenuated West1
h475_zdc_unatt_west1
Entries 5868
Mean 13.32
RMS 50.91
trg_h475_zdc_unatt_west1

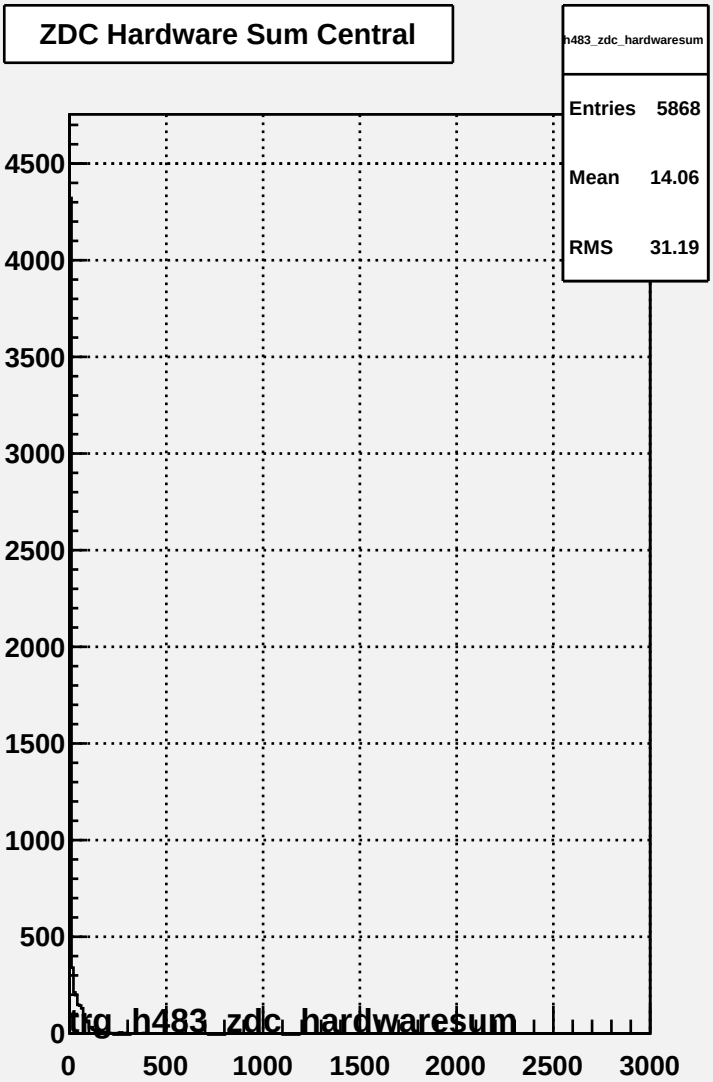

ZDC Unattenuated East2
h476_zdc_unatt_east2
Entries 5868
Mean 10.07
RMS 41.98
trg_h476_zdc_unatt_east2

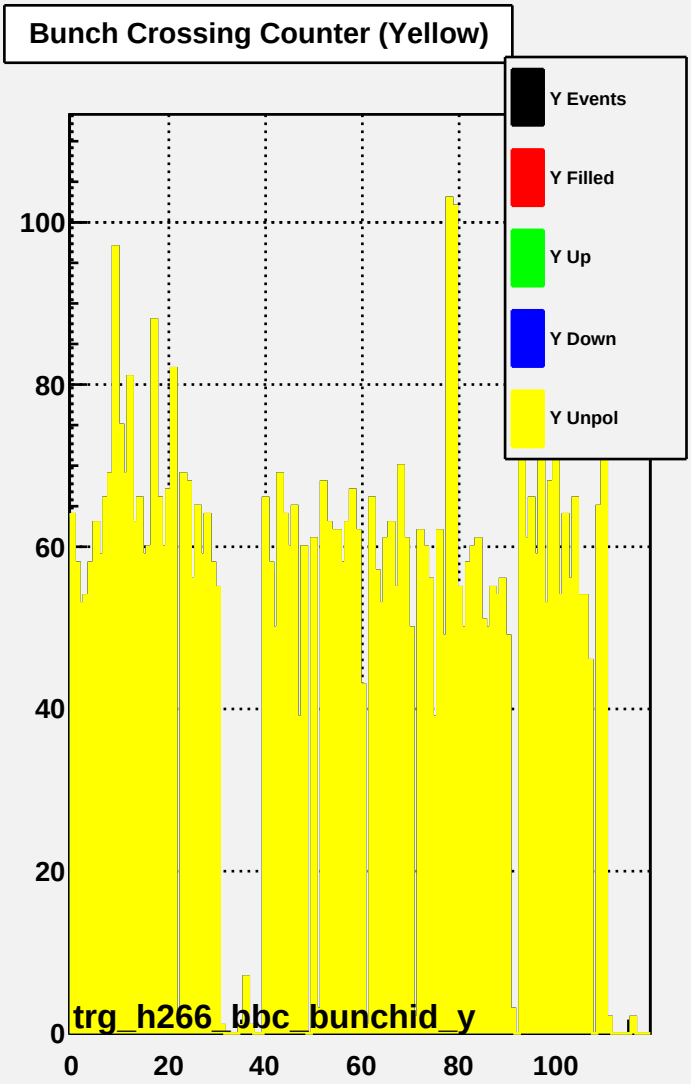

ZDC Unattenuated West2
h477_zdc_unatt_west2
Entries 5868
Mean 6.422
RMS 31.33
trg_h477_zdc_unatt_west2

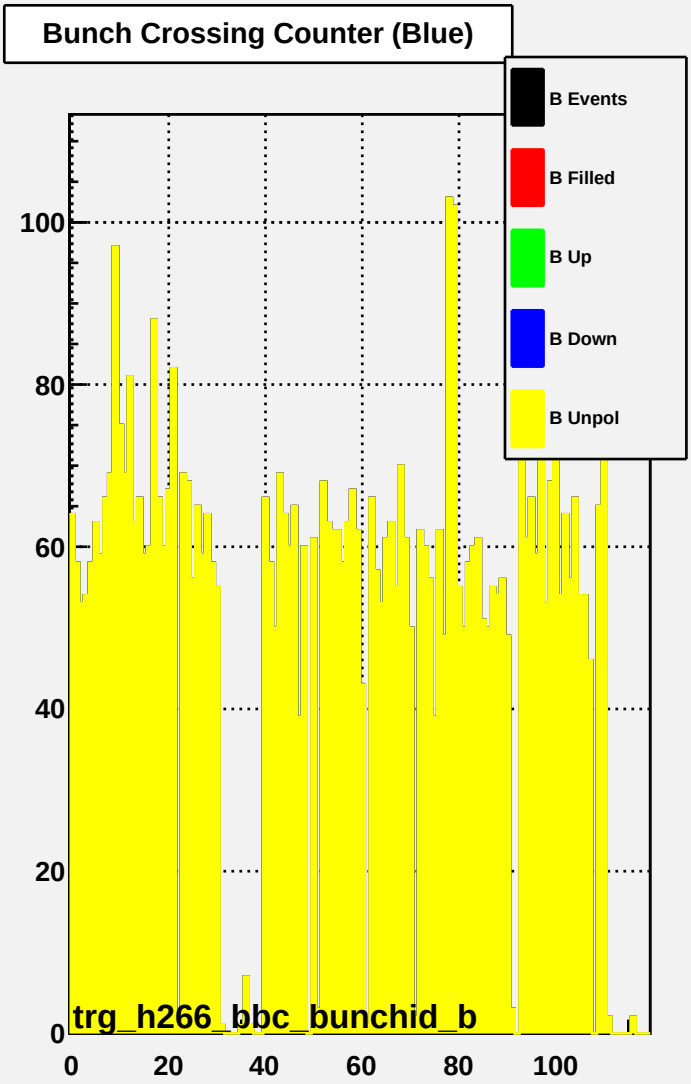

ZDC Unattenuated East3
h478_zdc_unatt_east3
Entries 5868
Mean 2.964
RMS 12.47
trg_h478_zdc_unatt_east3

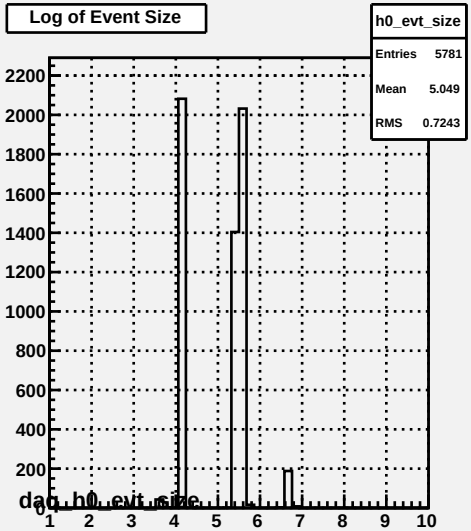

ZDC Unattenuated West3
h479_zdc_unatt_west3
Entries 5868
Mean 2.423
RMS 13.55
trg_h479_zdc_unatt_west3

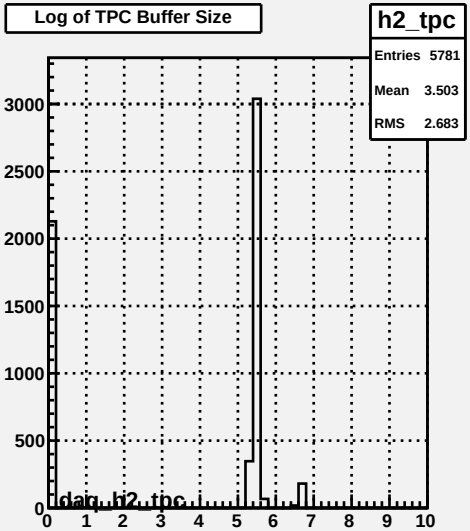

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 5868
Mean x 4216
Mean y 14.06
RMS x 3174
RMS y 31.19
trg_h482_zdc_sum_bbc
0
500
1000
1500
2000
2500
3000
0
10000
20000
30000
40000
50000
60000
0
10
20
30
40

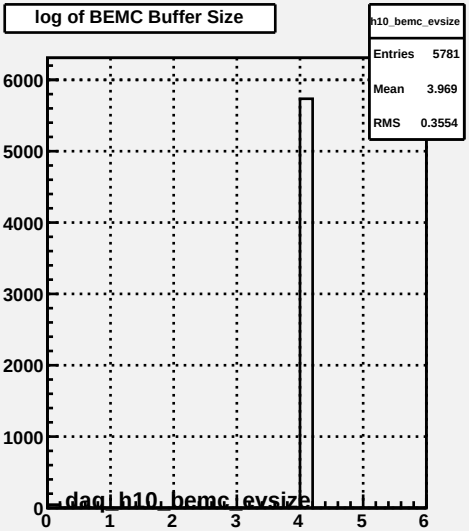

ZDC Hardware Sum Central
h483_zdc_hardwaresum
Entries 5868
Mean 14.06
RMS 31.19
trg_h483_zdc_hardwaresum
0
500
1000
1500
2000
2500
3000
3500
4000
4500
0
500
1000
1500
2000
2500
3000

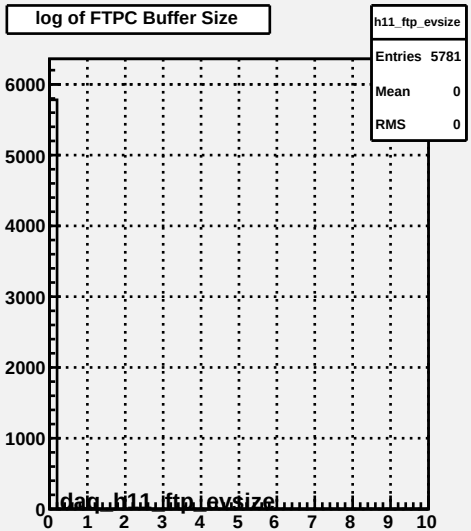

Bunch Crossing Counter (Yellow)
Y Events
Y Filled
Y Up
Y Down
Y Unpol
trg_h266_bbc_bunchid_y
0
20
40
60
80
100

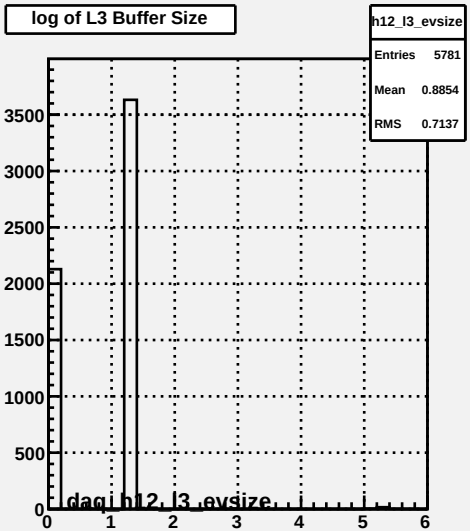

Bunch Crossing Counter (Blue)
B Events
B Filled
B Up
B Down
B Unpol
trg_h266_bbc_bunchid_b
0
20
40
60
80
100

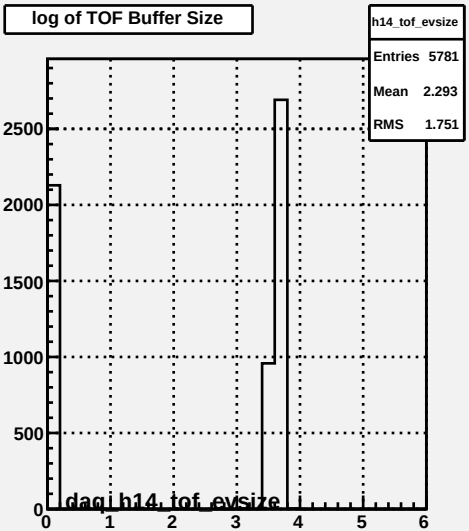

Log of Event Size
h0_evt_size
Entries 5781
Mean 5.049
RMS 0.7243
daq_h0_evt_size

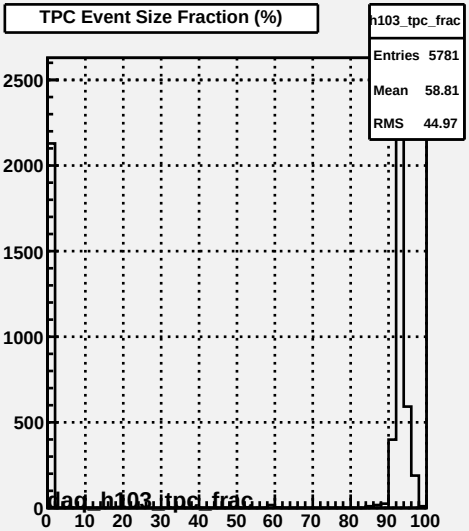

Log of TPC Buffer Size
h2_tpc
Entries 5781
Mean 3.503
RMS 2.683
daq_h2_tpc

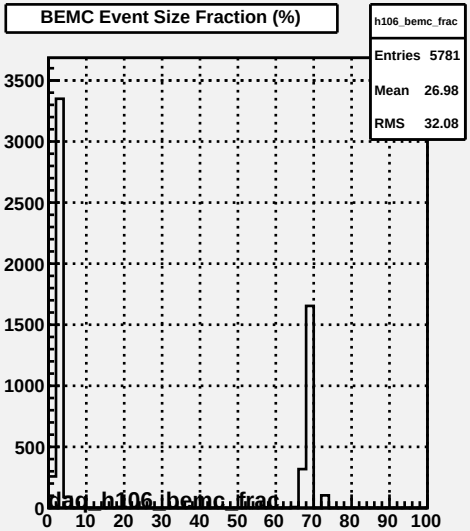

log of BEMC Buffer Size
h10_bemc_evsize
Entries 5781
Mean 3.969
RMS 0.3554
daq_h10_bemc_evsize

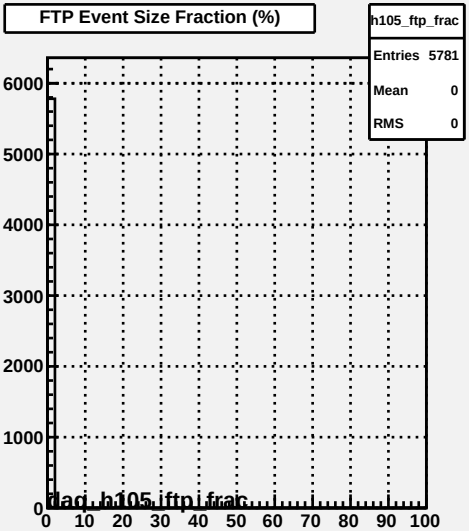

log of FTPC Buffer Size
h11_ftp_evsize
Entries 5781
Mean 0
RMS 0
daq_h11_ftp_evsize

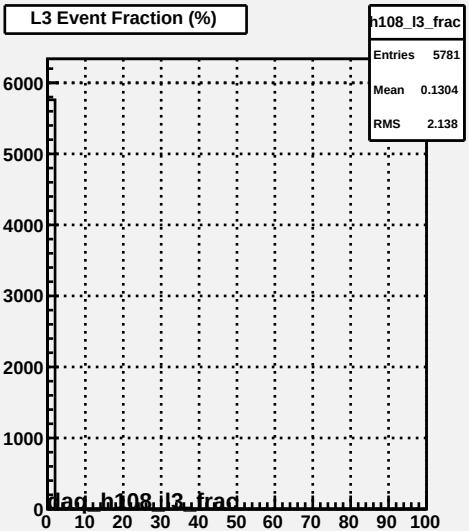

log of L3 Buffer Size
h12_l3_evsize
Entries 5781
Mean 0.8854
RMS 0.7137
daq_h12_l3_evsize

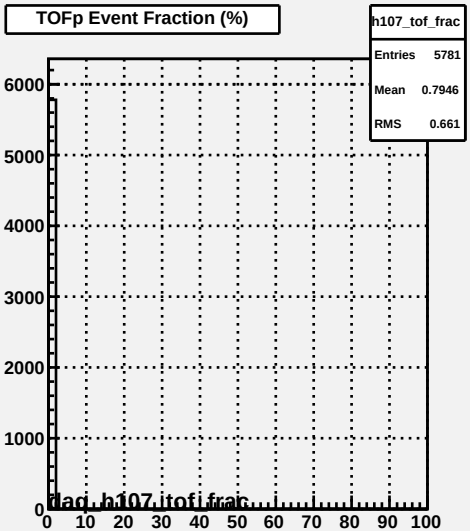

log of TOF Buffer Size
h14_tof_evsize
Entries 5781
Mean 2.293
RMS 1.751
daq_h14_tof_evsize

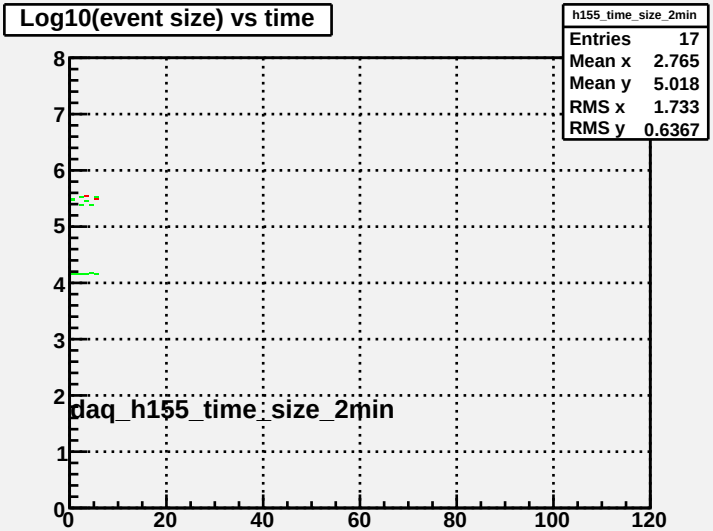

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 5781
Mean 58.81
RMS 44.97
daq_h103_tpc_frac

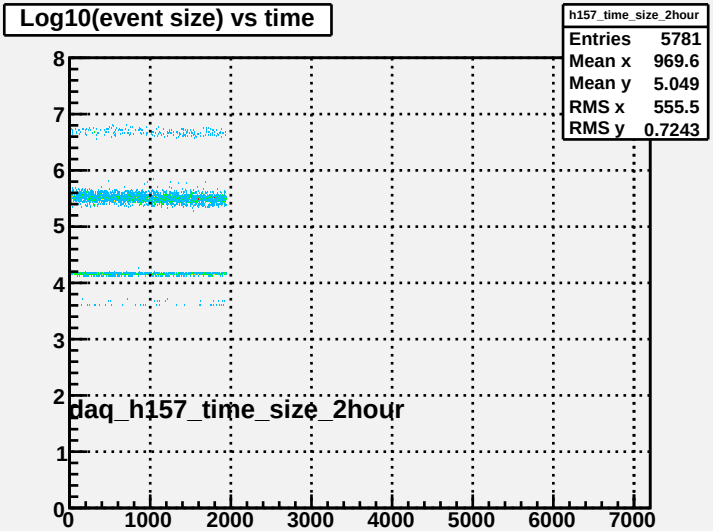

BEMC Event Size Fraction (%)
h106_bemc_frac
Entries 5781
Mean 26.98
RMS 32.08
daq_h106_bemc_frac

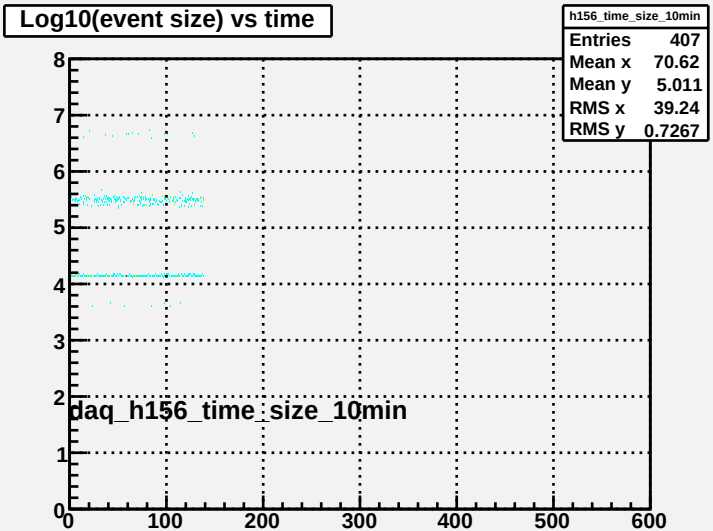

FTP Event Size Fraction (%)
h105_ftp_frac
Entries 5781
Mean 0
RMS 0
daq_h105_ftp_frac

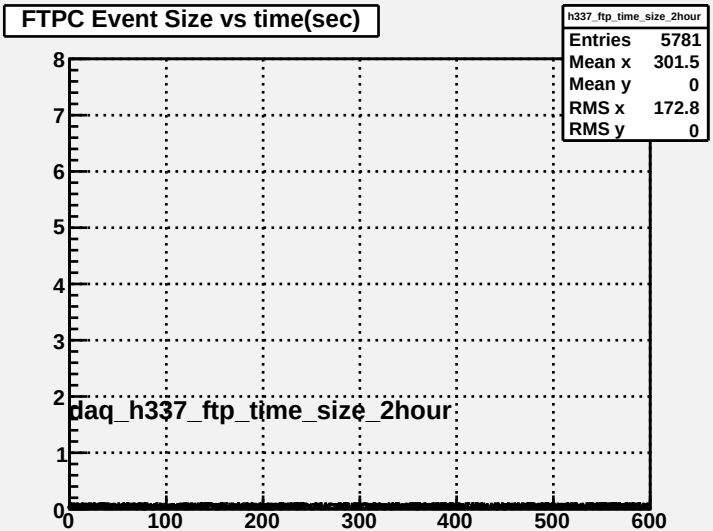

L3 Event Fraction (%)
h108_l3_frac
Entries 5781
Mean 0.1304
RMS 2.138
daq_h108_l3_frac

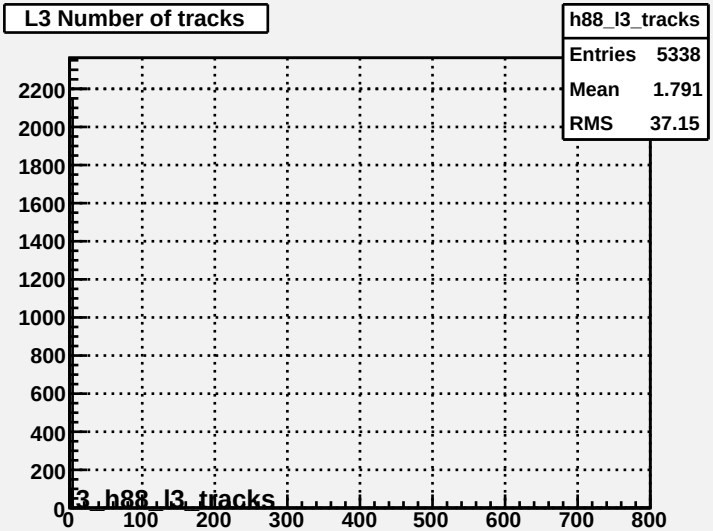

TOFp Event Fraction (%)
h107_tof_frac
Entries 5781
Mean 0.7946
RMS 0.661
daq_h107_tof_frac


Log10(event size) vs time
h155_time_size_2min
Entries 17
Mean x 2.765
Mean y 5.018
RMS x 1.733
RMS y 0.6367
daq_h155_time_size_2min


Log10(event size) vs time
h157_time_size_2hour
Entries 5781
Mean x 969.6
Mean y 5.049
RMS x 555.5
RMS y 0.7243
daq_h157_time_size_2hour


Log10(event size) vs time
h156_time_size_10min
Entries 407
Mean x 70.62
Mean y 5.011
RMS x 39.24
RMS y 0.7267
daq_h156_time_size_10min

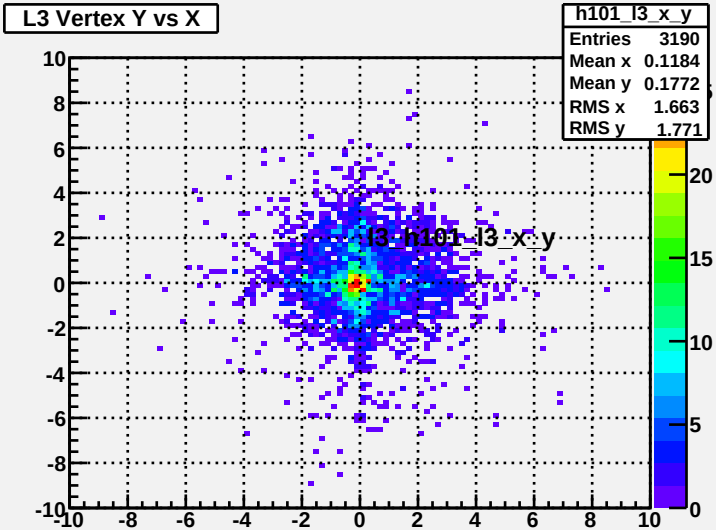

FTPC Event Size vs time(sec)
h337_ftp_time_size_2hour
Entries 5781
Mean x 301.5
Mean y 0
RMS x 172.8
RMS y 0
daq_h337_ftp_time_size_2hour

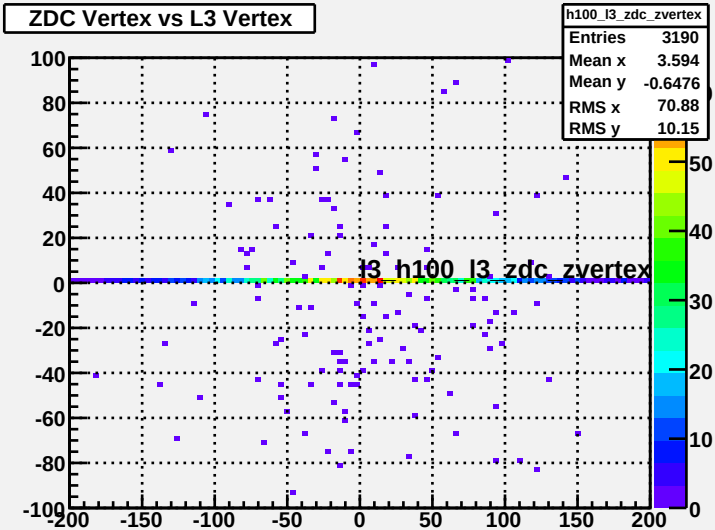

L3 Number of tracks
h88_l3_tracks
Entries 5338
Mean 1.791
RMS 37.15
l3_h88_l3_tracks

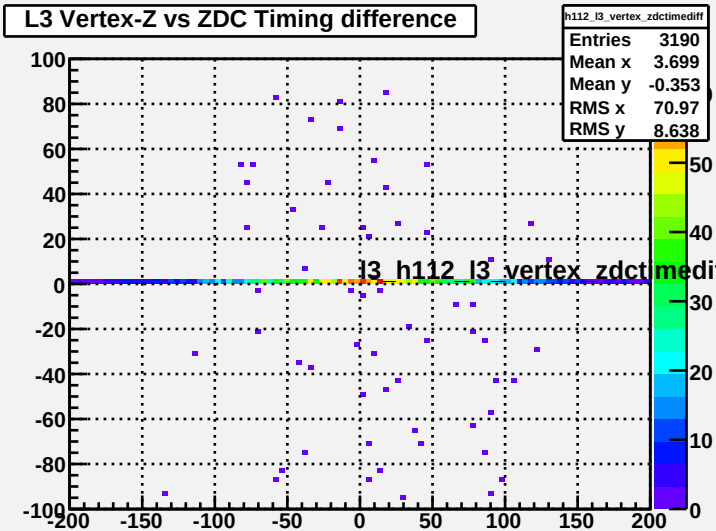
L3 X vertex
h89_l3_Xvertex
Entries 3190
Mean 0.07933
RMS 1.413
l3_h89_l3_Xvertex

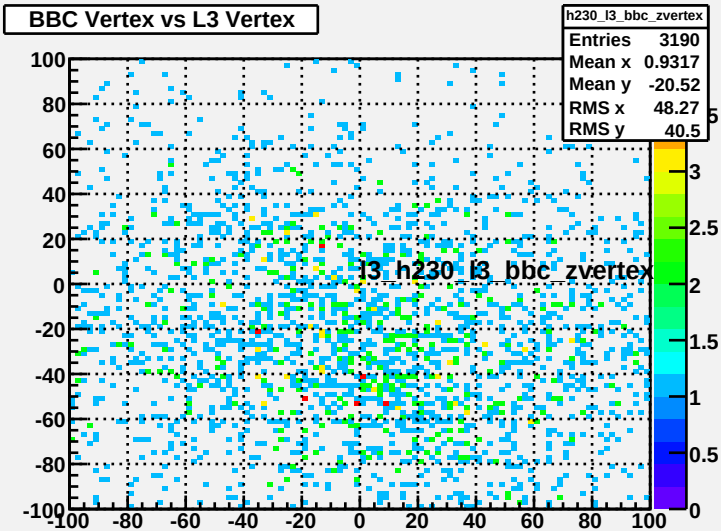
L3 Y vertex
h90_l3_Yvertex
Entries 3190
Mean 0.201
RMS 1.445
l3_h90_l3_Yvertex

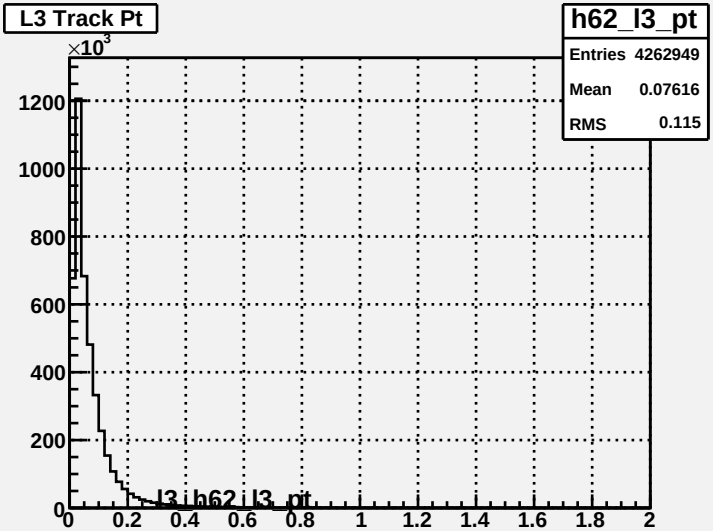
L3 Z vertex
,h91_l3_Zvertex
Entries 3190
Mean 4.298
RMS 70.97
l3_,h91_l3_Zvertex

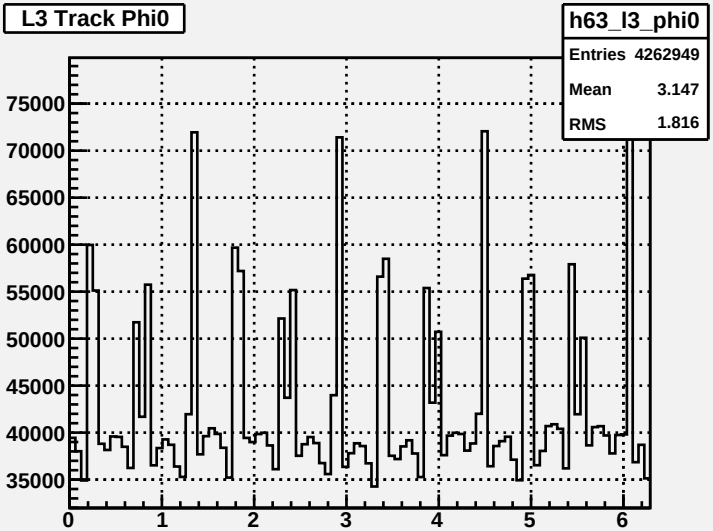

L3 Vertex Y vs X
h101_l3_x_y
Entries 3190
Mean x 0.1184
Mean y 0.1772
RMS x 1.663
RMS y 1.771
l3_h101_l3_x_y

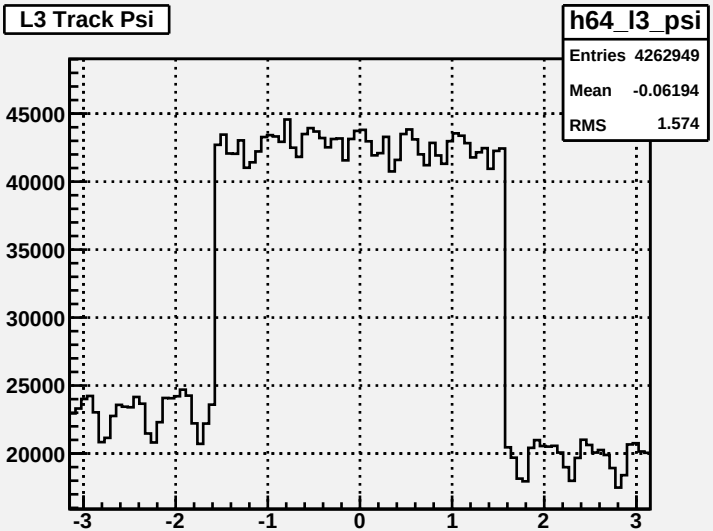

ZDC Vertex vs L3 Vertex
h100_l3_zdc_zvertex
Entries 3190
Mean x 3.594
Mean y -0.6476
RMS x 70.88
RMS y 10.15
l3_h100_l3_zdc_zvertex

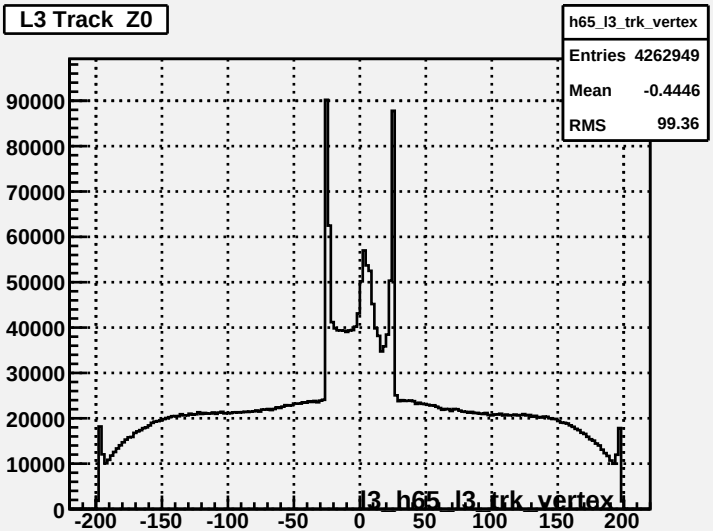

L3 Vertex-Z vs ZDC Timing difference
h112_l3_vertex_zdctimediff
Entries 3190
Mean x 3.699
Mean y -0.353
RMS x 70.97
RMS y 8.638
l3_h112_l3_vertex_zdctimedif

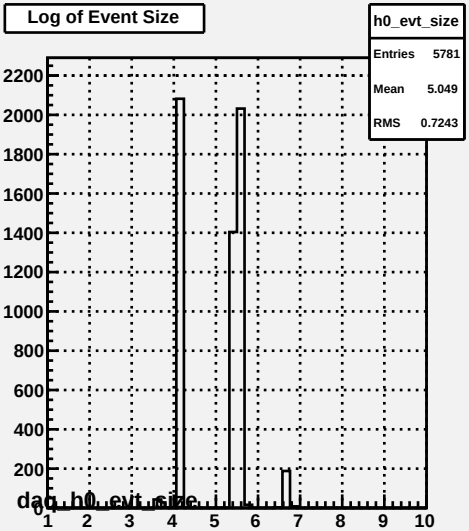

BBC Vertex vs L3 Vertex
h230_l3_bbc_zvertex
Entries 3190
Mean x 0.9317
Mean y -20.52
RMS x 48.27
RMS y 40.5
l3_h230_l3_bbc_zvertex

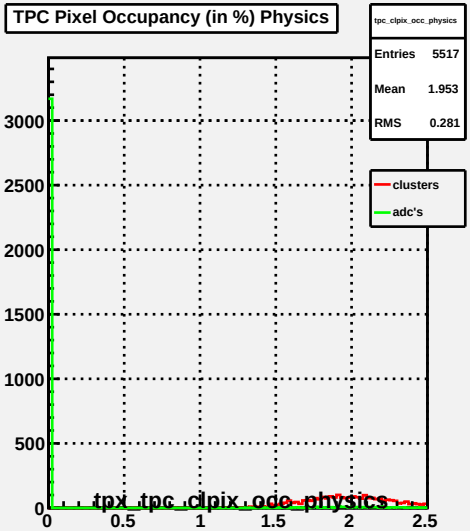

L3 Track Pt
h62_l3_pt
Entries 4262949
Mean 0.07616
RMS 0.115
×10^3
1200
1000
800
600
400
200
0
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2
l3_h62_l3_pt

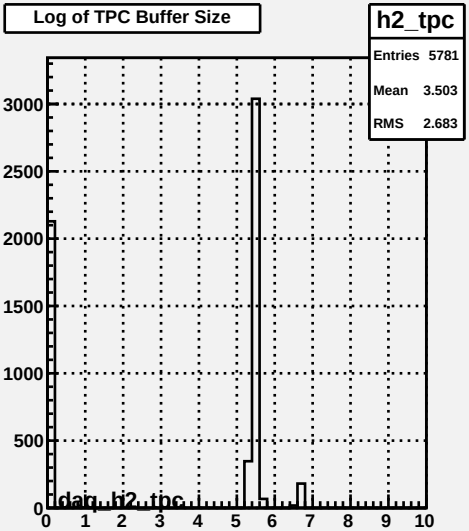

L3 Track Phi0
h63_l3_phi0
Entries 4262949
Mean 3.147
RMS 1.816
75000
70000
65000
60000
55000
50000
45000
40000
35000
0 1 2 3 4 5 6

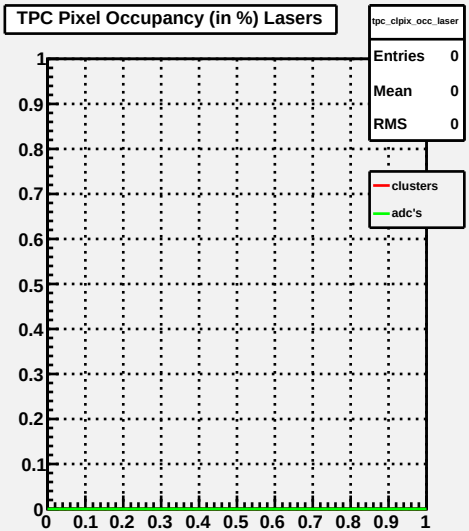

L3 Track Psi
h64_l3_psi
Entries 4262949
Mean -0.06194
RMS 1.574
45000
40000
35000
30000
25000
20000
-3 -2 -1 0 1 2 3

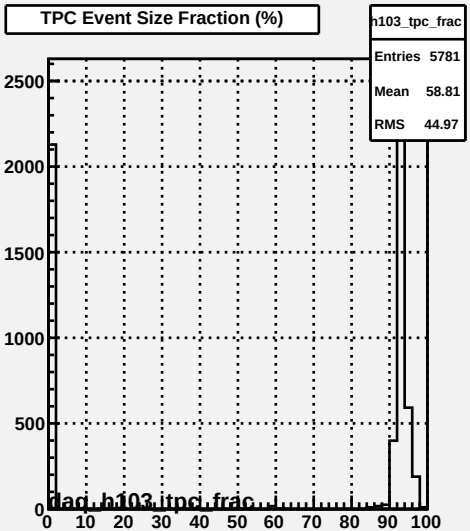

L3 Track Z0
h65_l3_trk_vertex
Entries 4262949
Mean -0.4446
RMS 99.36
90000
80000
70000
60000
50000
40000
30000
20000
10000
0
-200 -150 -100 -50 0 50 100 150 200
l3_h65_l3_trk_vertex

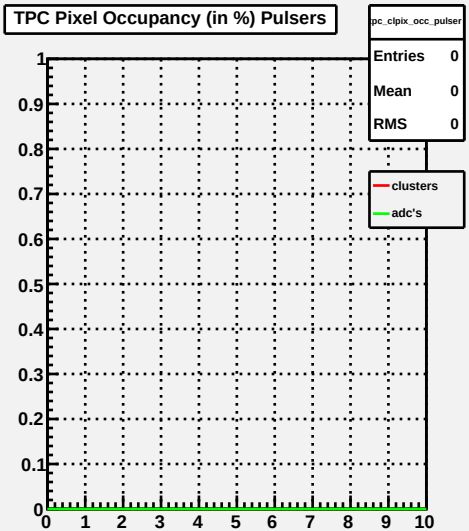

Log of Event Size
h0_evt_size
Entries 5781
Mean 5.049
RMS 0.7243
daq_h0_evt_size

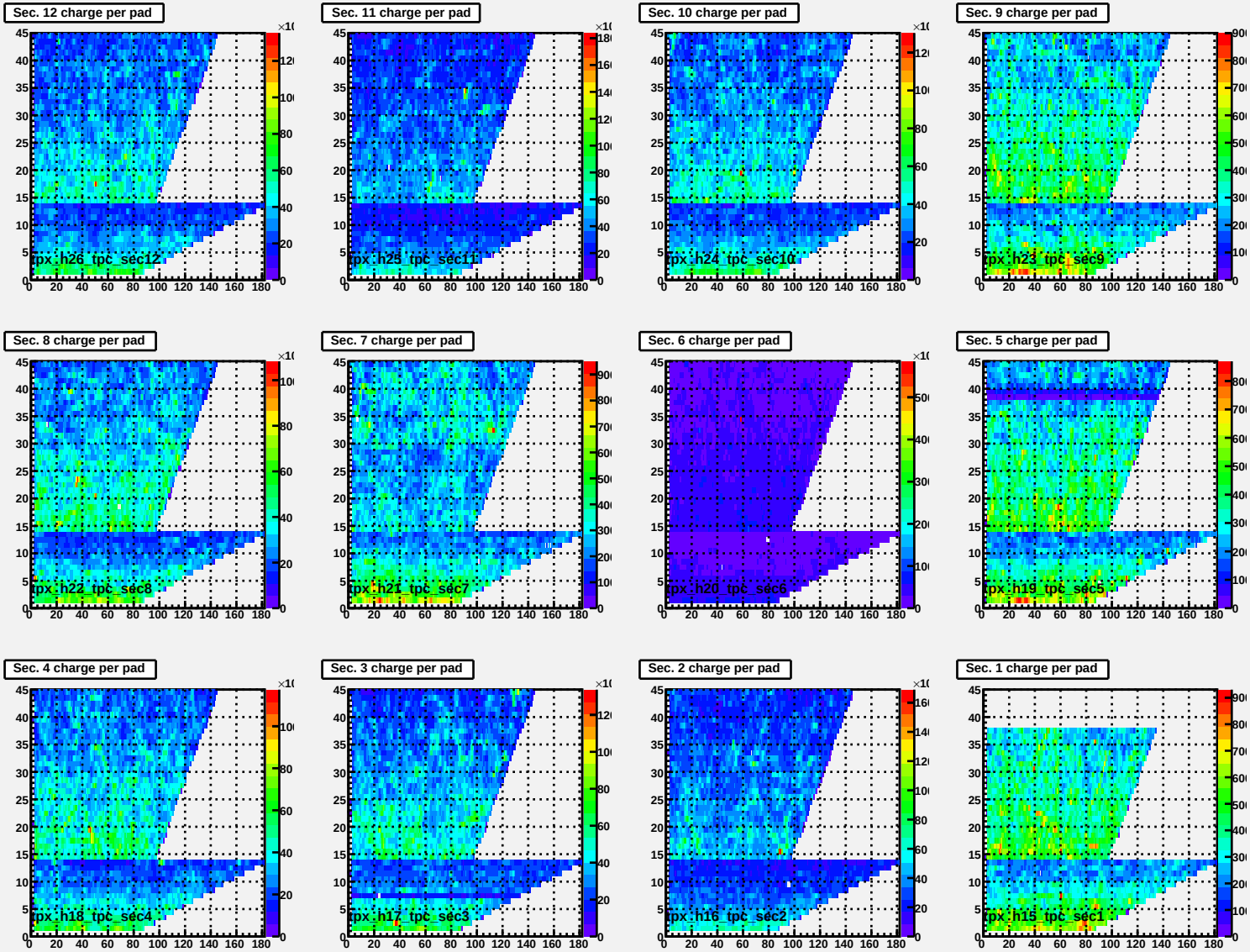

TPC Pixel Occupancy (in %) Physics
tpc_clpix_occ_physics
Entries 5517
Mean 1.953
RMS 0.281
clusters
adc's
tpx_tpc_clpix_occ_physics

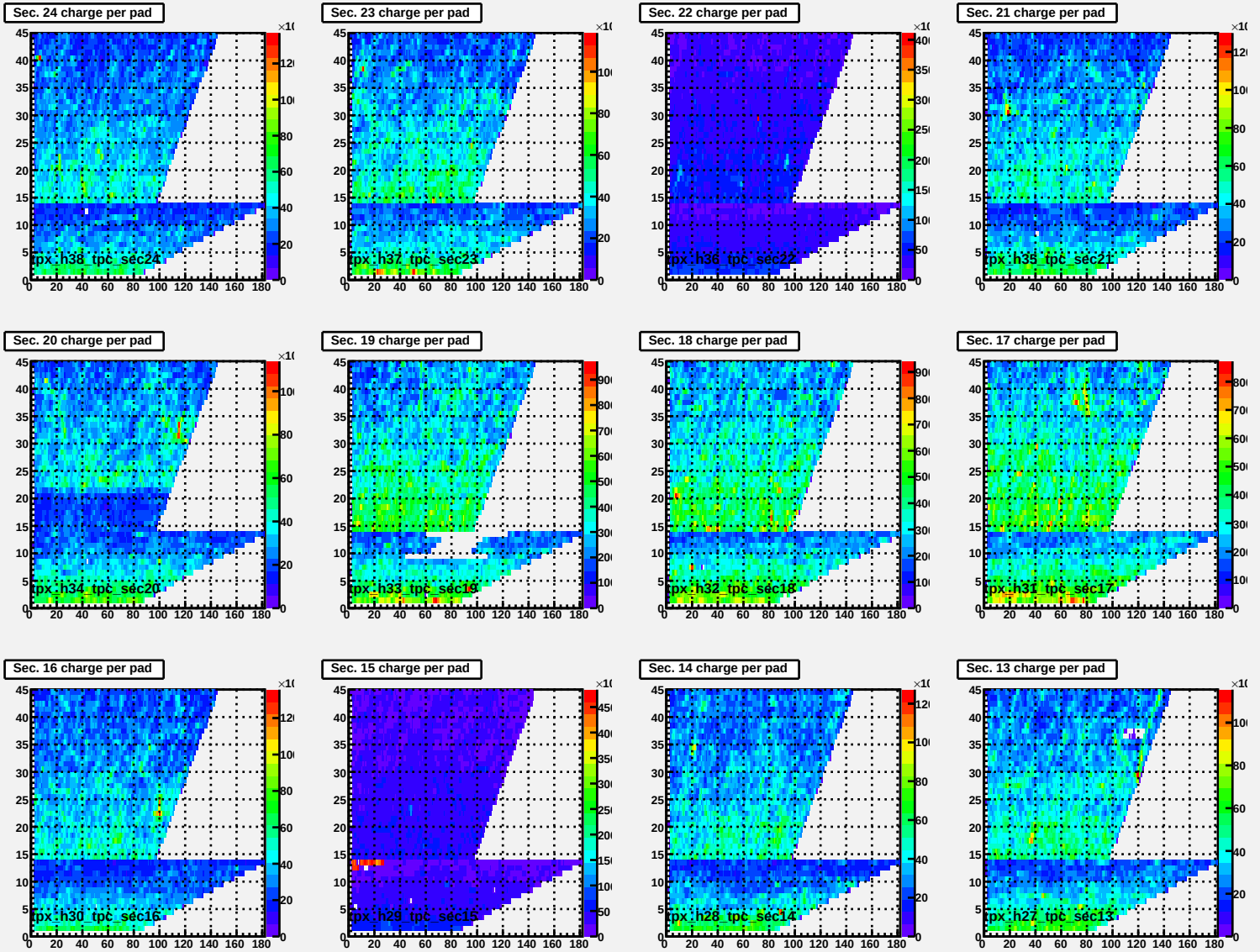

Log of TPC Buffer Size
h2_tpc
Entries 5781
Mean 3.503
RMS 2.683
daq_h2_tpc

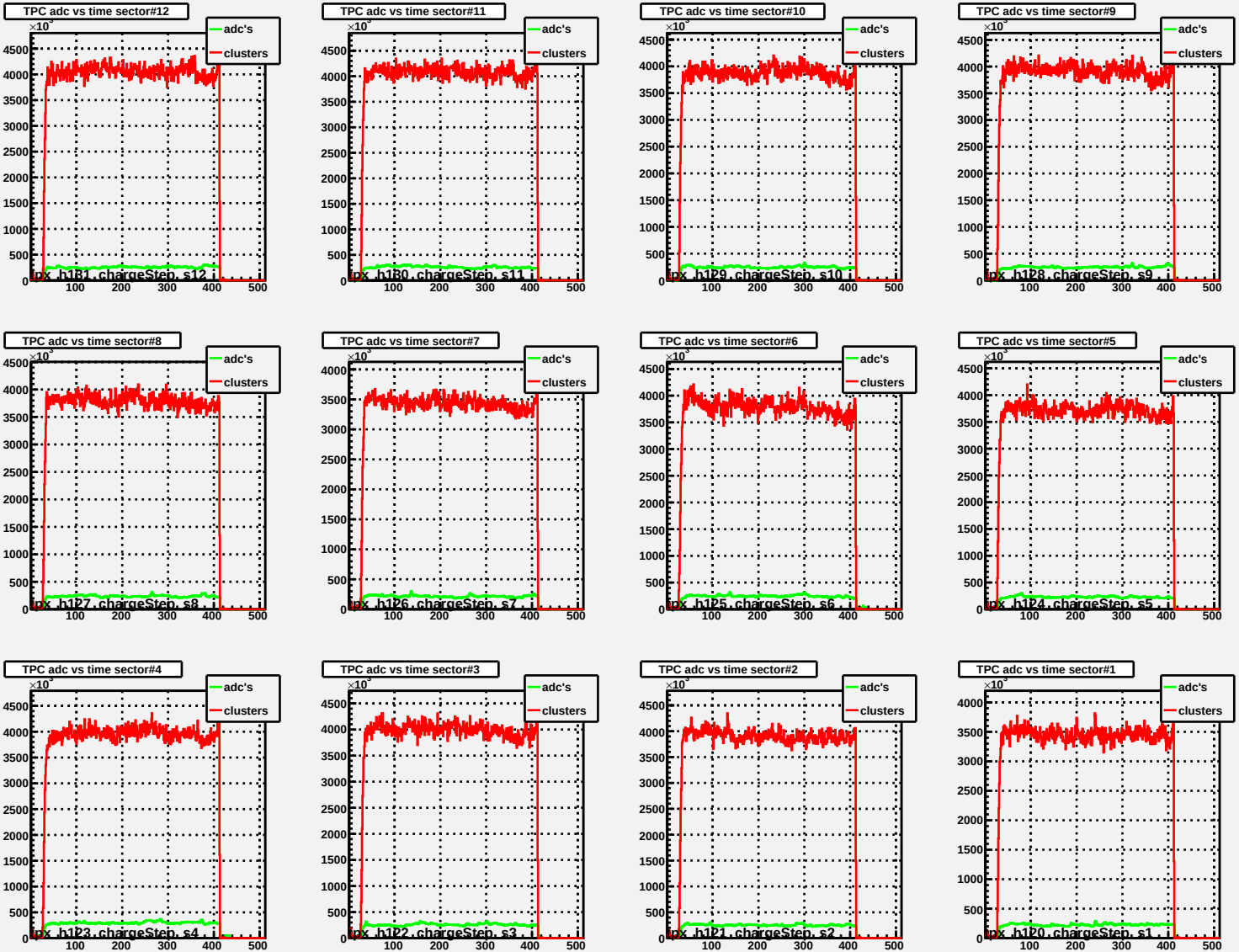

TPC Pixel Occupancy (in %) Lasers
tpc_clpix_occ_laser
Entries 0
Mean 0
RMS 0
clusters
adc's

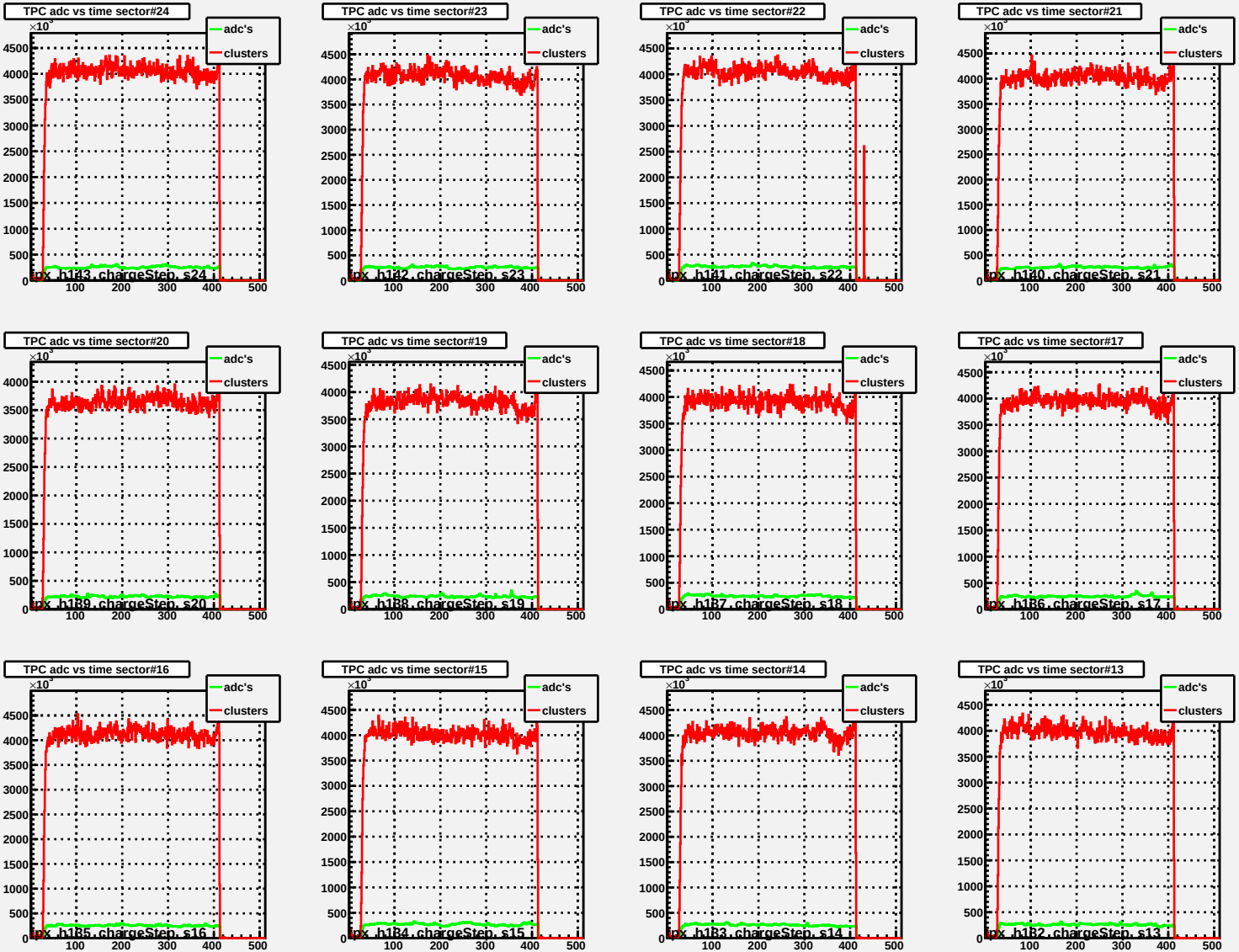

TPC Event Size Fraction (%)
h103_tpc_frac
Entries 5781
Mean 58.81
RMS 44.97
daq_h103_tpc_frac

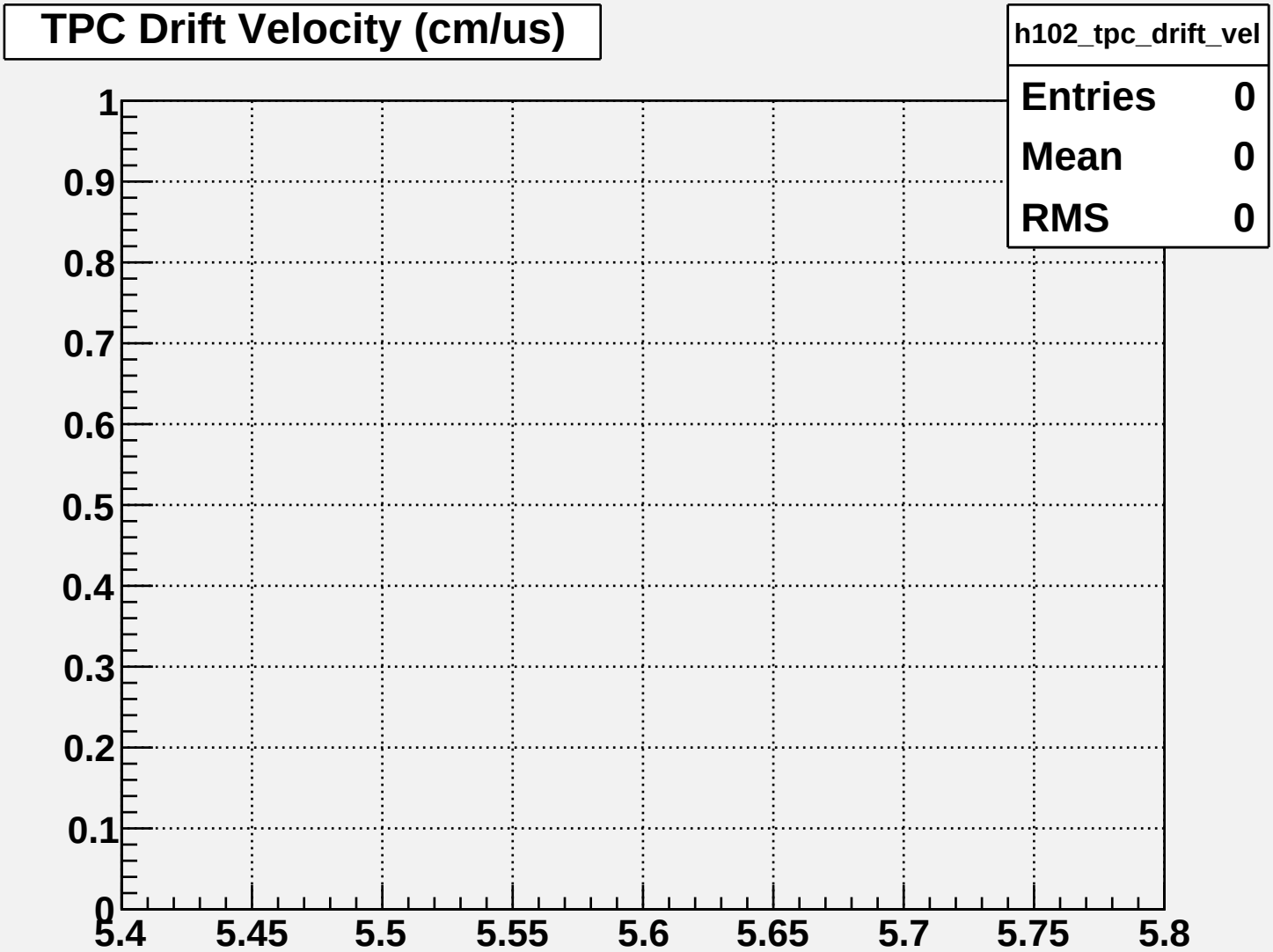

TPC Pixel Occupancy (in %) Pulsers
tpc_clpix_occ_pulser
Entries 0
Mean 0
RMS 0
clusters
adc's

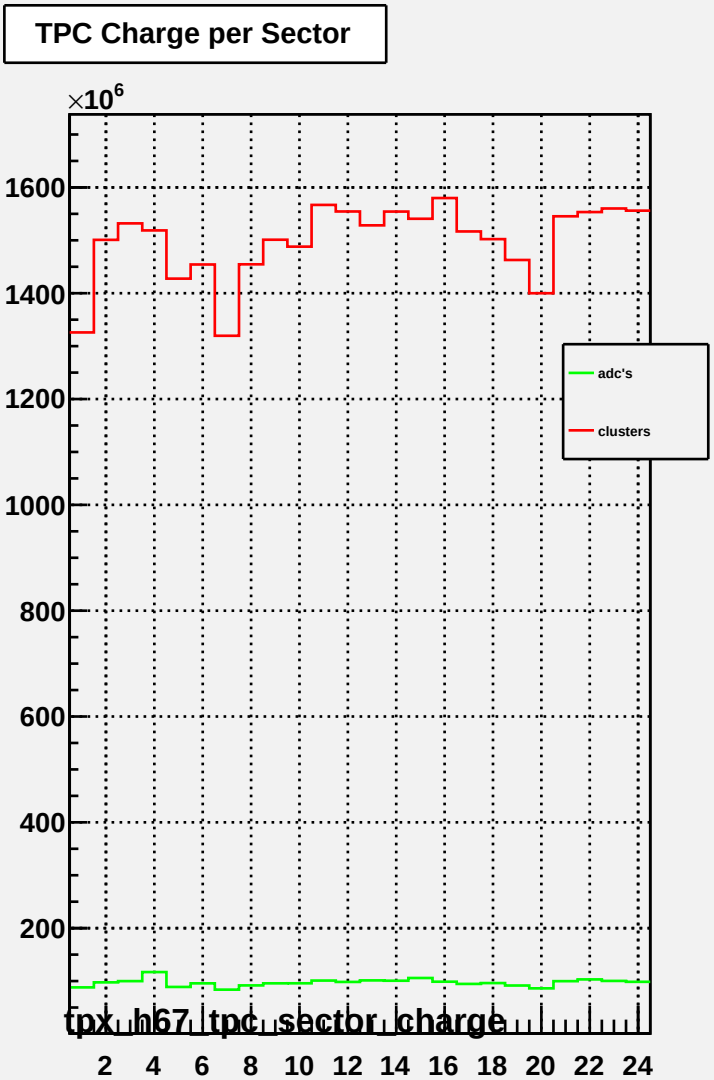

Sec. 12 charge per pad
tpx_h26_tpc_sec12
Sec. 11 charge per pad
tpx_h25_tpc_sec11
Sec. 10 charge per pad
tpx_h24_tpc_sec10
Sec. 9 charge per pad
tpx_h23_tpc_sec9
Sec. 8 charge per pad
tpx_h22_tpc_sec8
Sec. 7 charge per pad
tpx_h21_tpc_sec7
Sec. 6 charge per pad
tpx_h20_tpc_sec6
Sec. 5 charge per pad
tpx_h19_tpc_sec5
Sec. 4 charge per pad
tpx_h18_tpc_sec4
Sec. 3 charge per pad
tpx_h17_tpc_sec3
Sec. 2 charge per pad
tpx_h16_tpc_sec2
Sec. 1 charge per pad
tpx_h15_tpc_sec1

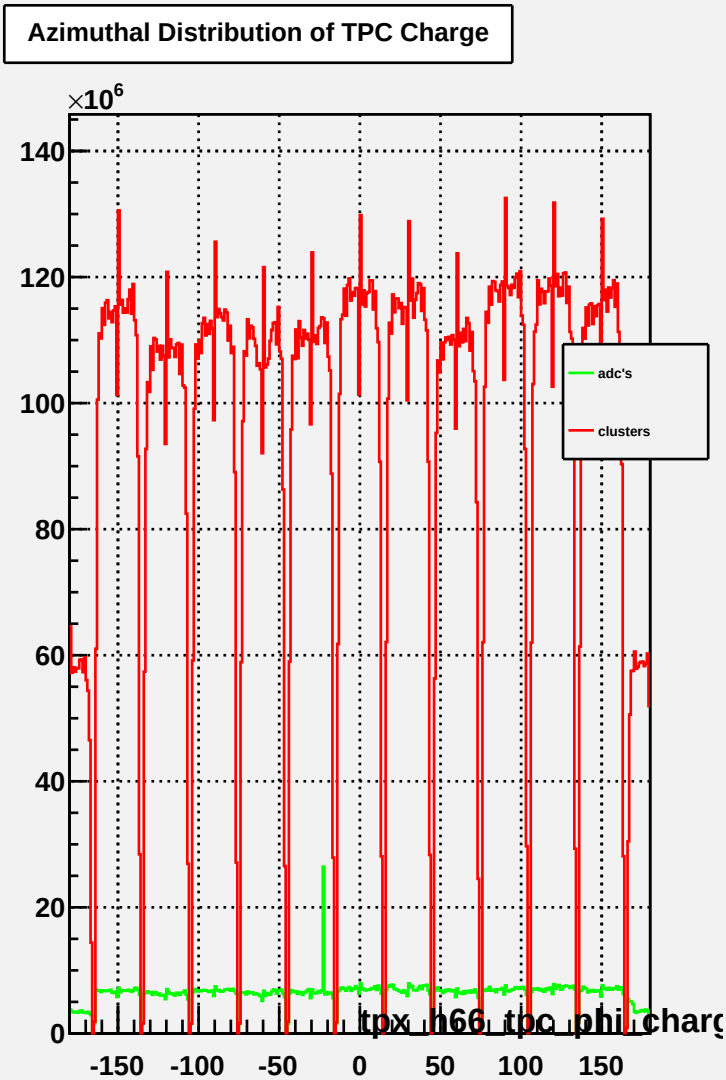

Sec. 24 charge per pad
tpx_h38_tpc_sec24
Sec. 23 charge per pad
tpx_h37_tpc_sec23
Sec. 22 charge per pad
tpx_h36_tpc_sec22
Sec. 21 charge per pad
tpx_h35_tpc_sec21
Sec. 20 charge per pad
tpx_h34_tpc_sec20
Sec. 19 charge per pad
tpx_h33_tpc_sec19
Sec. 18 charge per pad
tpx_h32_tpc_sec18
Sec. 17 charge per pad
tpx_h31_tpc_sec17
Sec. 16 charge per pad
tpx_h30_tpc_sec16
Sec. 15 charge per pad
tpx_h29_tpc_sec15
Sec. 14 charge per pad
tpx_h28_tpc_sec14
Sec. 13 charge per pad
tpx_h27_tpc_sec13

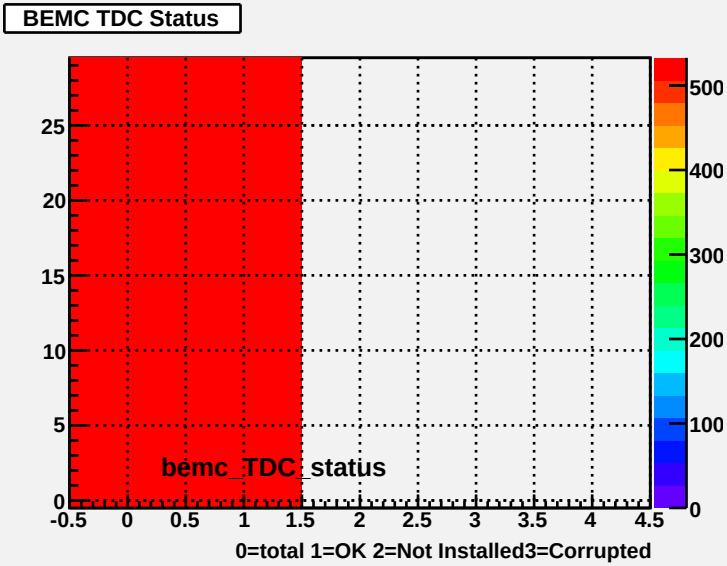

TPC adc vs time sector#12
adc's
clusters
tpx_h1B1.chargeStep_s12
TPC adc vs time sector#11
adc's
clusters
tpx_h1B0.chargeStep_s11
TPC adc vs time sector#10
adc's
clusters
tpx_h1P9.chargeStep_s10
TPC adc vs time sector#9
adc's
clusters
tpx_h1P8.chargeStep_s9
TPC adc vs time sector#8
adc's
clusters
tpx_h1P7.chargeStep_s8
TPC adc vs time sector#7
adc's
clusters
tpx_h1P6.chargeStep_s7
TPC adc vs time sector#6
adc's
clusters
tpx_h1P5.chargeStep_s6
TPC adc vs time sector#5
adc's
clusters
tpx_h1P4.chargeStep_s5
TPC adc vs time sector#4
adc's
clusters
tpx_h1P3.chargeStep_s4
TPC adc vs time sector#3
adc's
clusters
tpx_h1P2.chargeStep_s3
TPC adc vs time sector#2
adc's
clusters
tpx_h1P1.chargeStep_s2
TPC adc vs time sector#1
adc's
clusters
tpx_h1P0.chargeStep_s1

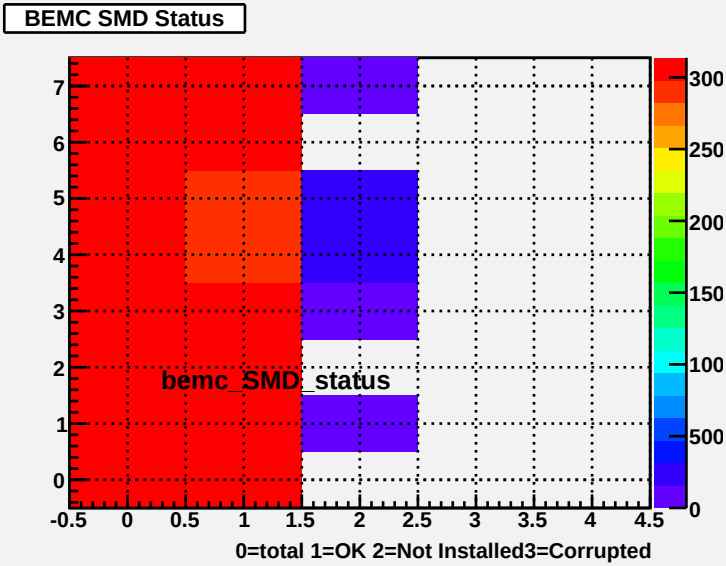

TPC adc vs time sector#24
adc's
clusters
tpx_h1A3,chargeStep, s24
TPC adc vs time sector#23
adc's
clusters
tpx_h1A2,chargeStep, s23
TPC adc vs time sector#22
adc's
clusters
tpx_h1A1,chargeStep, s22
TPC adc vs time sector#21
adc's
clusters
tpx_h1A0,chargeStep, s21
TPC adc vs time sector#20
adc's
clusters
tpx_h1B9,chargeStep, s20
TPC adc vs time sector#19
adc's
clusters
tpx_h1B8,chargeStep, s19
TPC adc vs time sector#18
adc's
clusters
tpx_h1B7,chargeStep, s18
TPC adc vs time sector#17
adc's
clusters
tpx_h1B6,chargeStep, s17
TPC adc vs time sector#16
adc's
clusters
tpx_h1B5,chargeStep, s16
TPC adc vs time sector#15
adc's
clusters
tpx_h1B4,chargeStep, s15
TPC adc vs time sector#14
adc's
clusters
tpx_h1B3,chargeStep, s14
TPC adc vs time sector#13
adc's
clusters
tpx_h1B2,chargeStep, s13

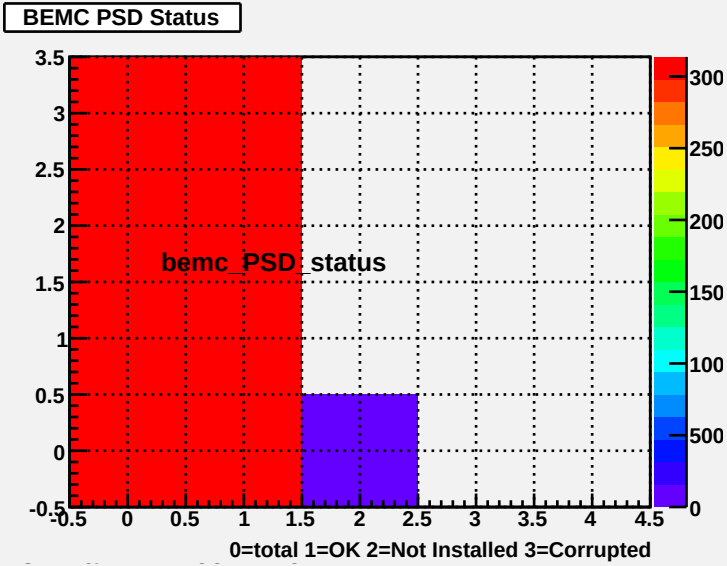

TPC Drift Velocity (cm/us)
h102_tpc_drift_vel
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5.4
5.45
5.5
5.55
5.6
5.65
5.7
5.75
5.8

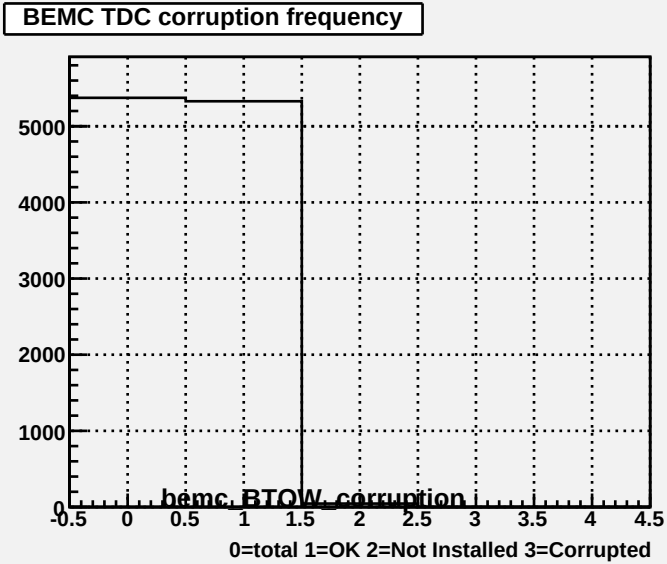

TPC Charge per Sector
×10^6
1600
1400
1200
1000
800
600
400
200
2 4 6 8 10 12 14 16 18 20 22 24
tpx_h67_tpc_sector_charge
adc's
clusters


Azimuthal Distribution of TPC Charge
×10^6
140
120
100
80
60
40
20
0
-150 -100 -50 0 50 100 150
tpx_h66_tpc_phi_charg
adc's
clusters

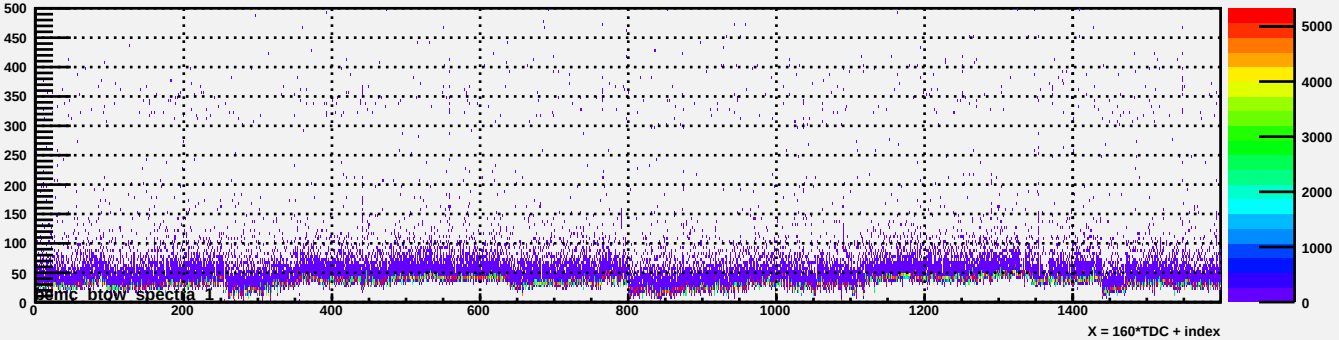

BEMC TDC Status
bemc_TDC_status
0=total 1=OK 2=Not Installed3=Corrupted


BEMC SMD Status
bemc_SMD_status
0=total 1=OK 2=Not Installed3=Corrupted

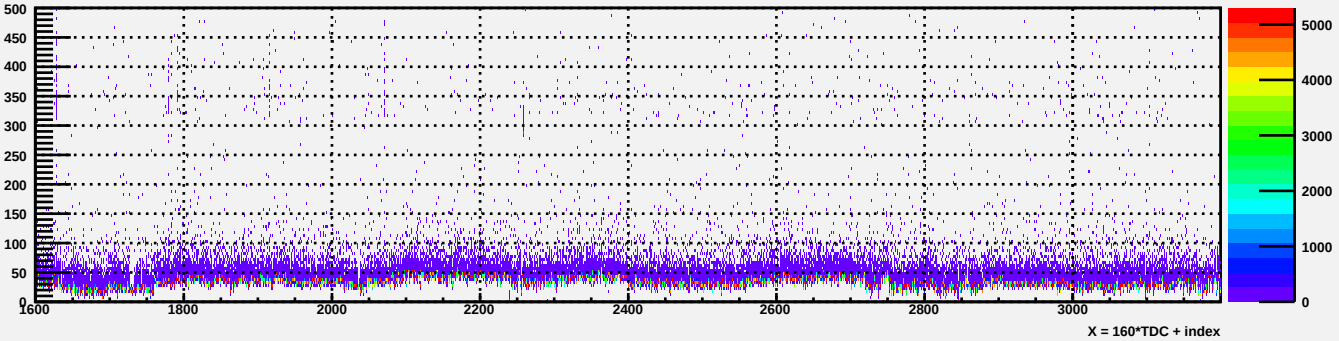

BEMC PSD Status
bemc_PSD_status
0=total 1=OK 2=Not Installed 3=Corrupted


BEMC TDC corruption frequency
bemc_BTOW_corruption
0=total 1=OK 2=Not Installed 3=Corrupted

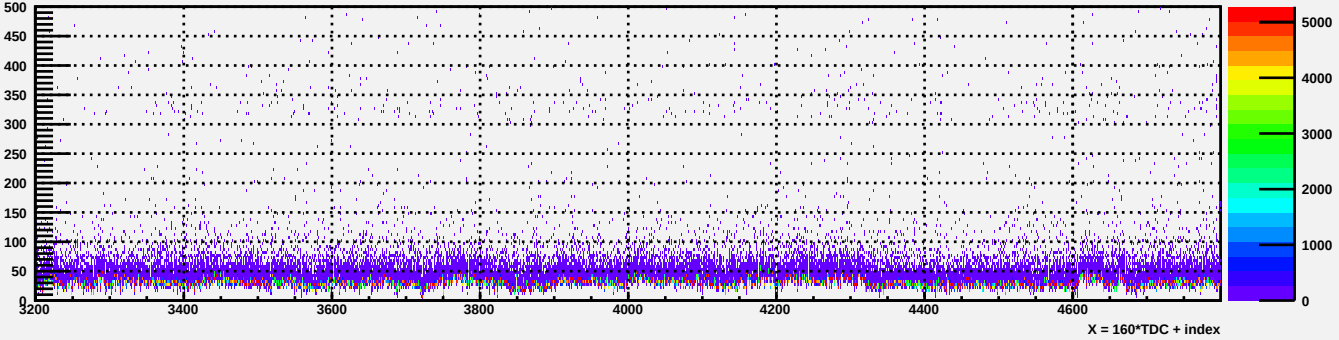
BEMC tower spectrum 0 < TDC < 10



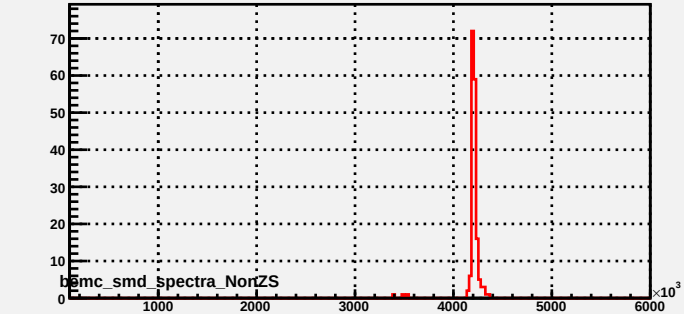
BEMC tower spectrum 10 < TDC < 20



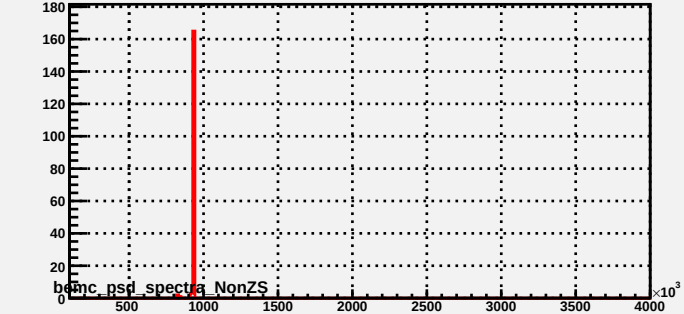
BEMC tower spectrum 20 < TDC < 30



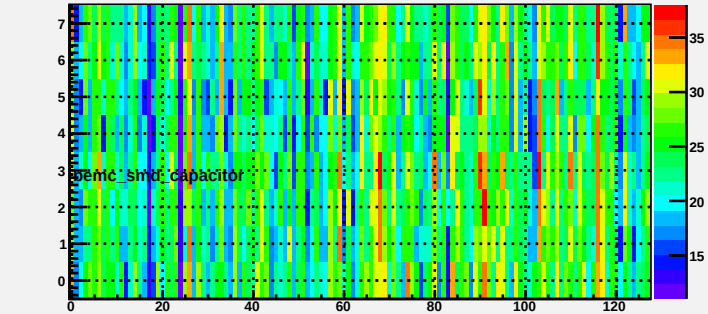
BEMC SMD total ADC, Non-ZS



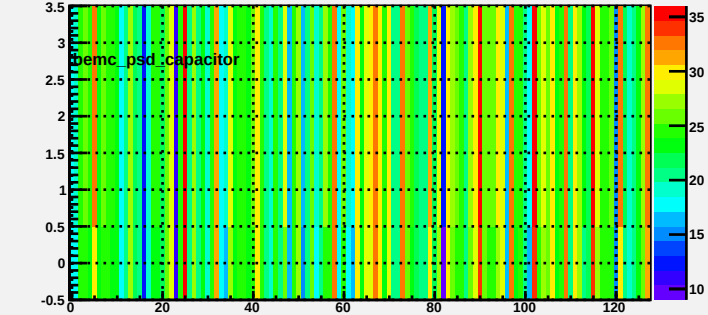
BEMC PSD total ADC, Non-ZS



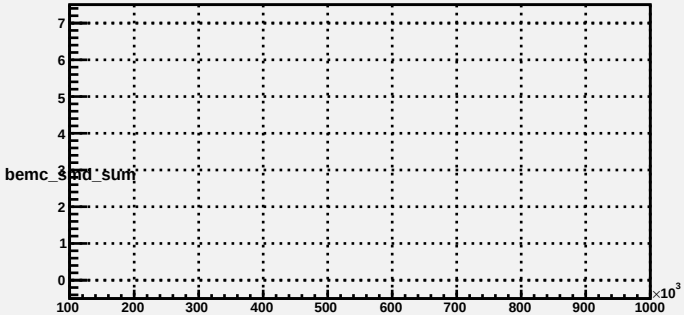
BEMC SMD capacitor distribution



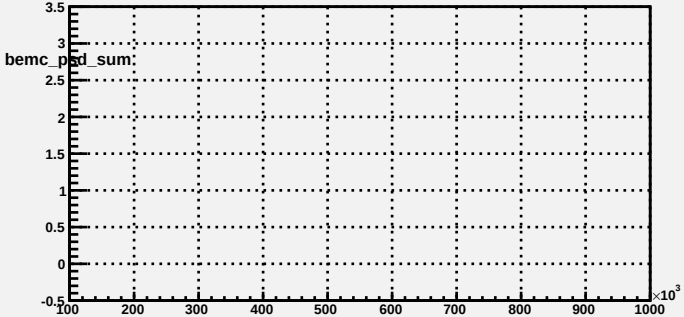
BEMC PSD capacitor distribution

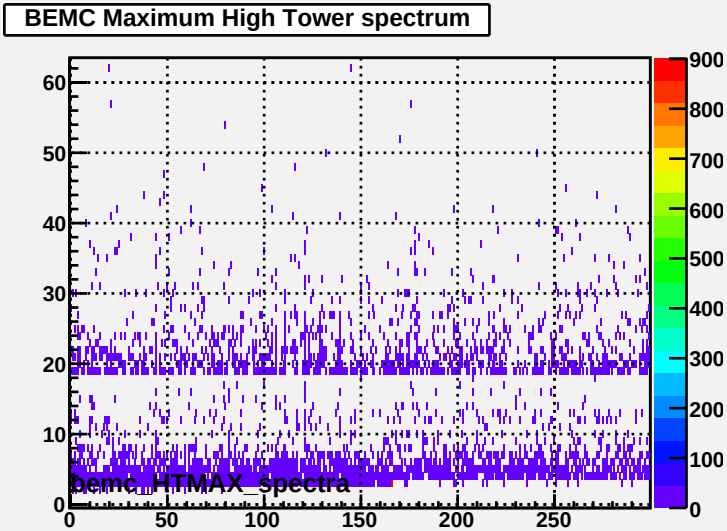


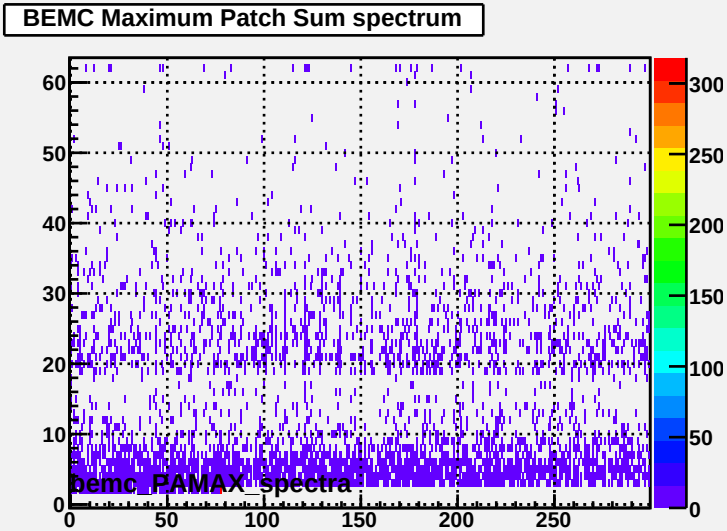
BEMC SMD total ADC per fiber

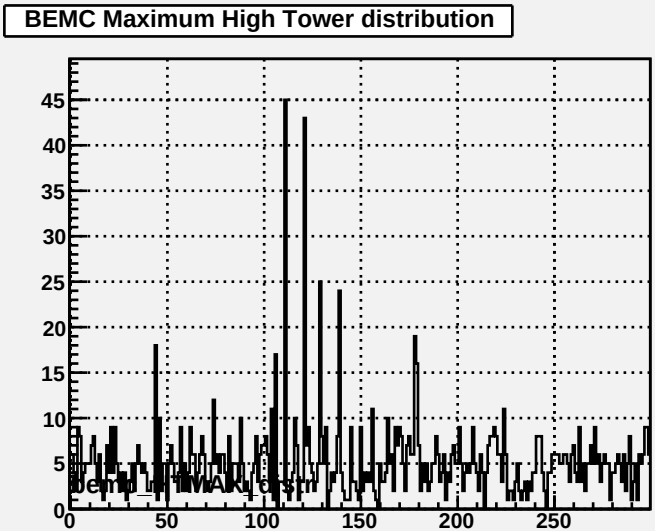


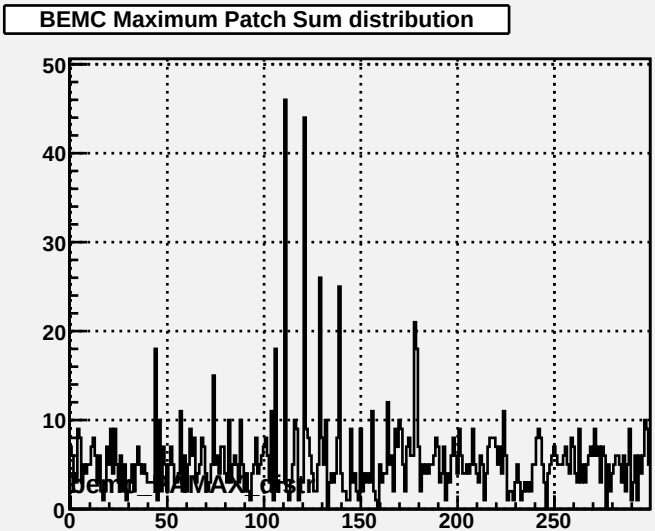
BEMC PSD total ADC per fiber

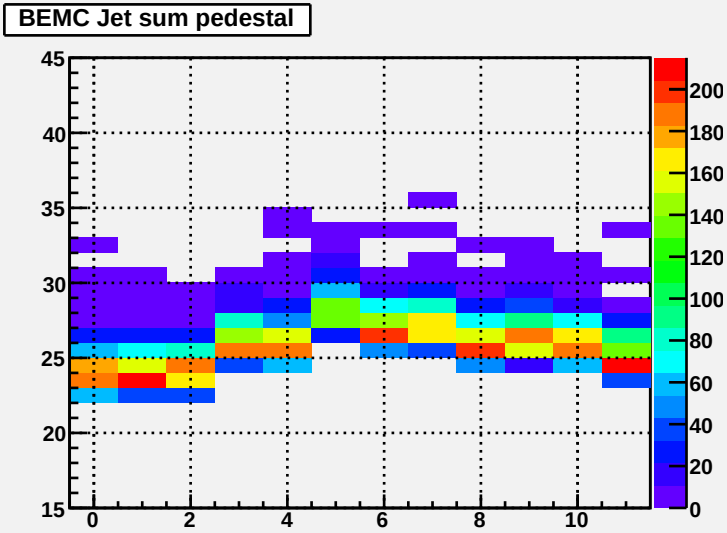


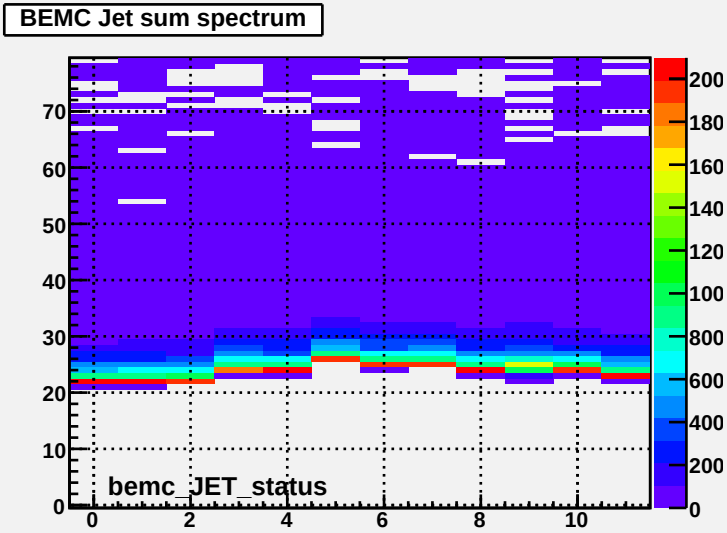

BEMC Maximum High Tower spectrum
bemc_HTMAX_spectra

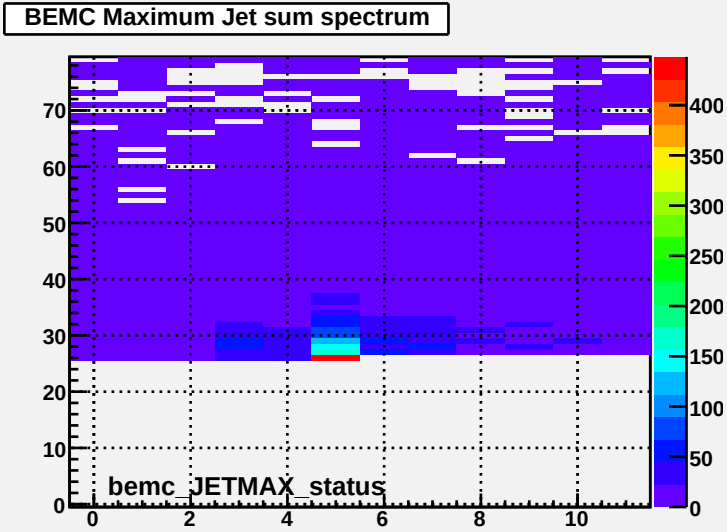

BEMC Maximum Patch Sum spectrum
bemc_PAMAX_spectra

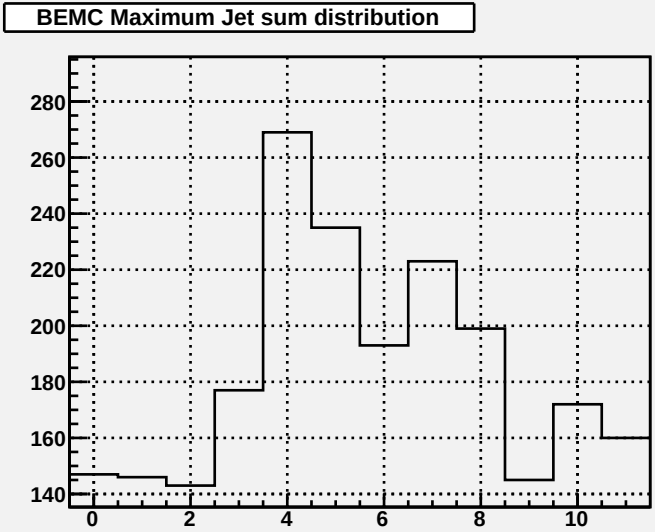

BEMC Maximum High Tower distribution
bemc_HTMAX_dist

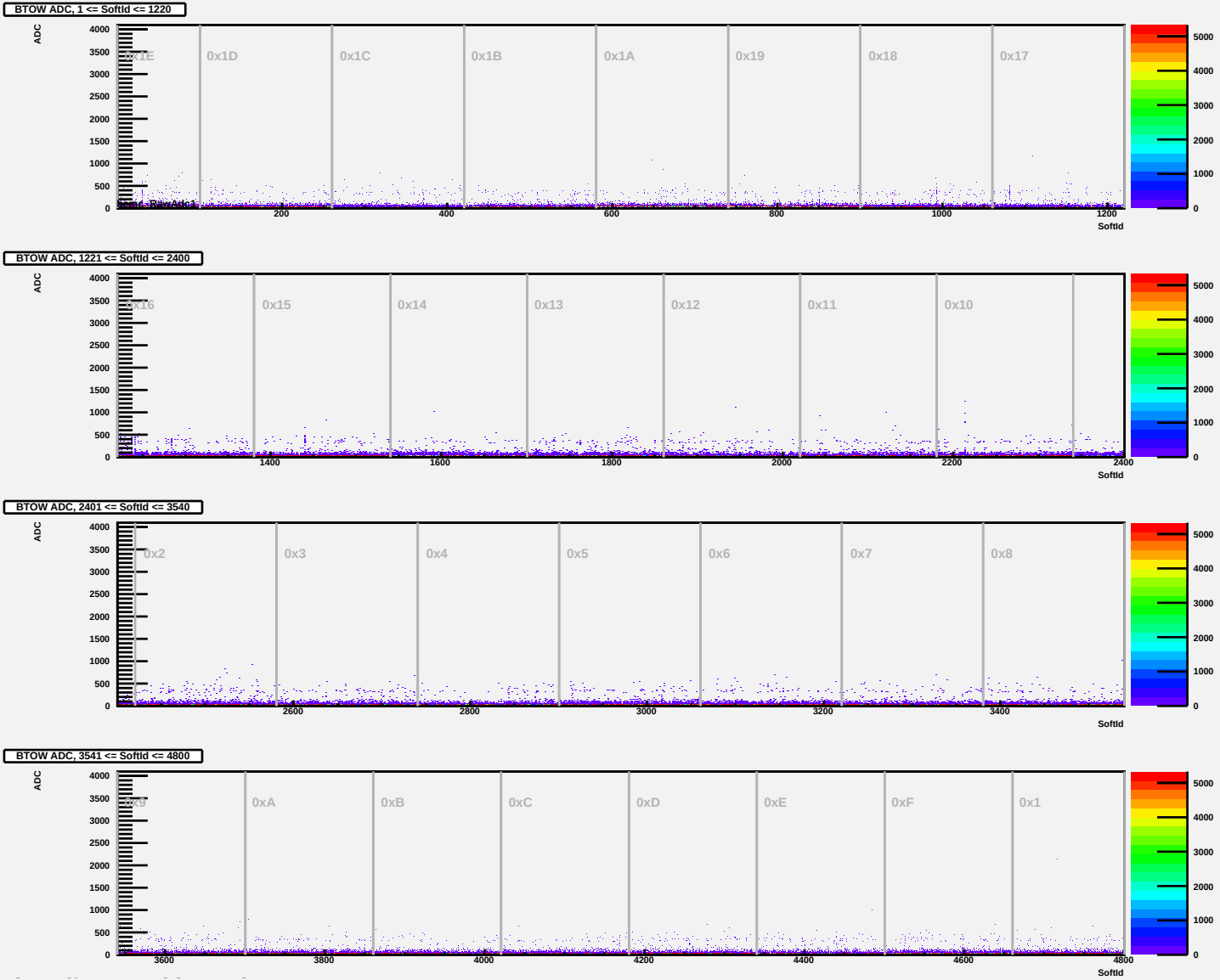

BEMC Maximum Patch Sum distribution
bemc_PAMAX_dist

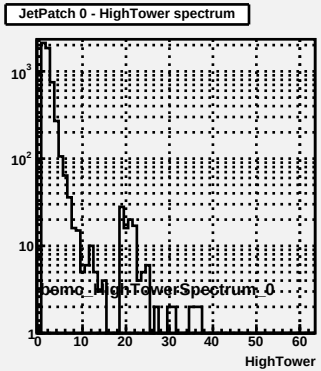

BEMC Jet sum pedestal

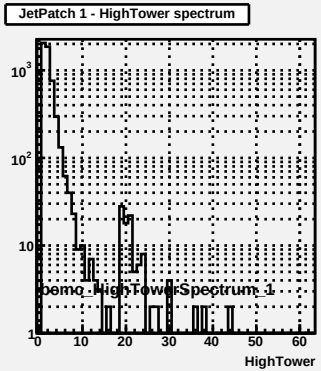

BEMC Jet sum spectrum
bemc_JET_status

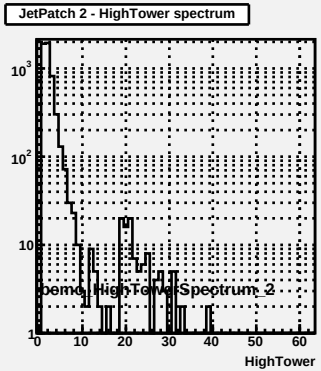

BEMC Maximum Jet sum spectrum
bemc_JETMAX_status

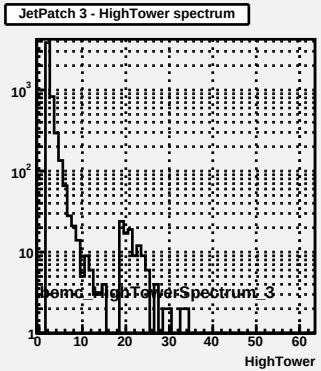

BEMC Maximum Jet sum distribution

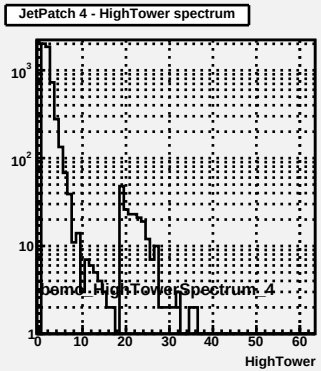

BTOW ADC, 1 <= SoftId <= 1220
ADC
0x1E
0x1D
0x1C
0x1B
0x1A
0x19
0x18
0x17
Band - RawAdc1
SoftId
BTOW ADC, 1221 <= SoftId <= 2400
0x16
0x15
0x14
0x13
0x12
0x11
0x10
BTOW ADC, 2401 <= SoftId <= 3540
0x2
0x3
0x4
0x5
0x6
0x7
0x8
BTOW ADC, 3541 <= SoftId <= 4800
0x9
0xA
0xB
0xC
0xD
0xE
0xF
0x1

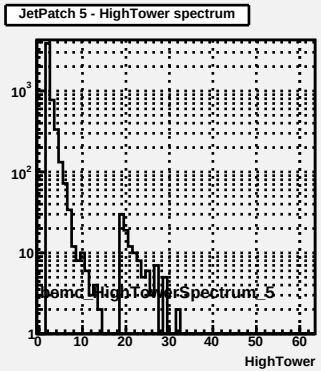

JetPatch 0 - HighTower spectrum
bemc_HighTowerSpectrum_0
HighTower

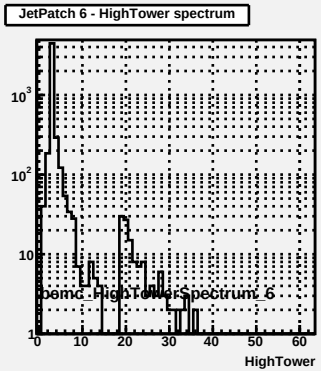

JetPatch 1 - HighTower spectrum
bemc_HighTowerSpectrum_1
HighTower

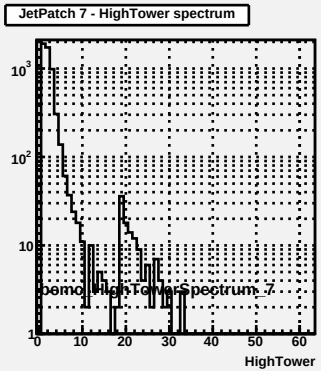

JetPatch 2 - HighTower spectrum
bemc_HighTowerSpectrum_2
HighTower

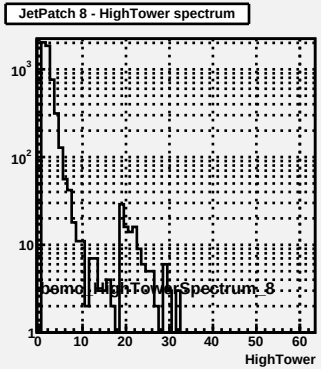

JetPatch 3 - HighTower spectrum
bemc_HighTowerSpectrum_3
HighTower

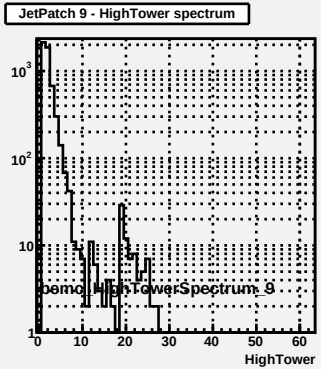

JetPatch 4 - HighTower spectrum
bemc_HighTowerSpectrum_4
HighTower

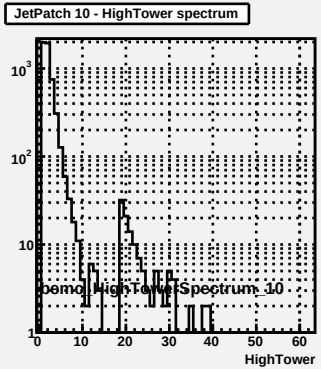

JetPatch 5 - HighTower spectrum
bemc_HighTowerSpectrum_5
HighTower

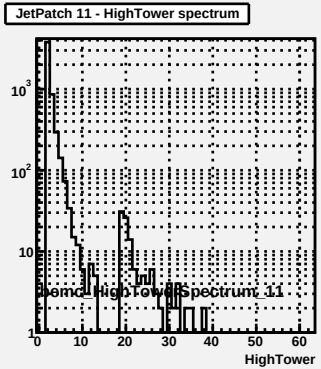

JetPatch 6 - HighTower spectrum
bemc_HighTowerSpectrum_6
HighTower

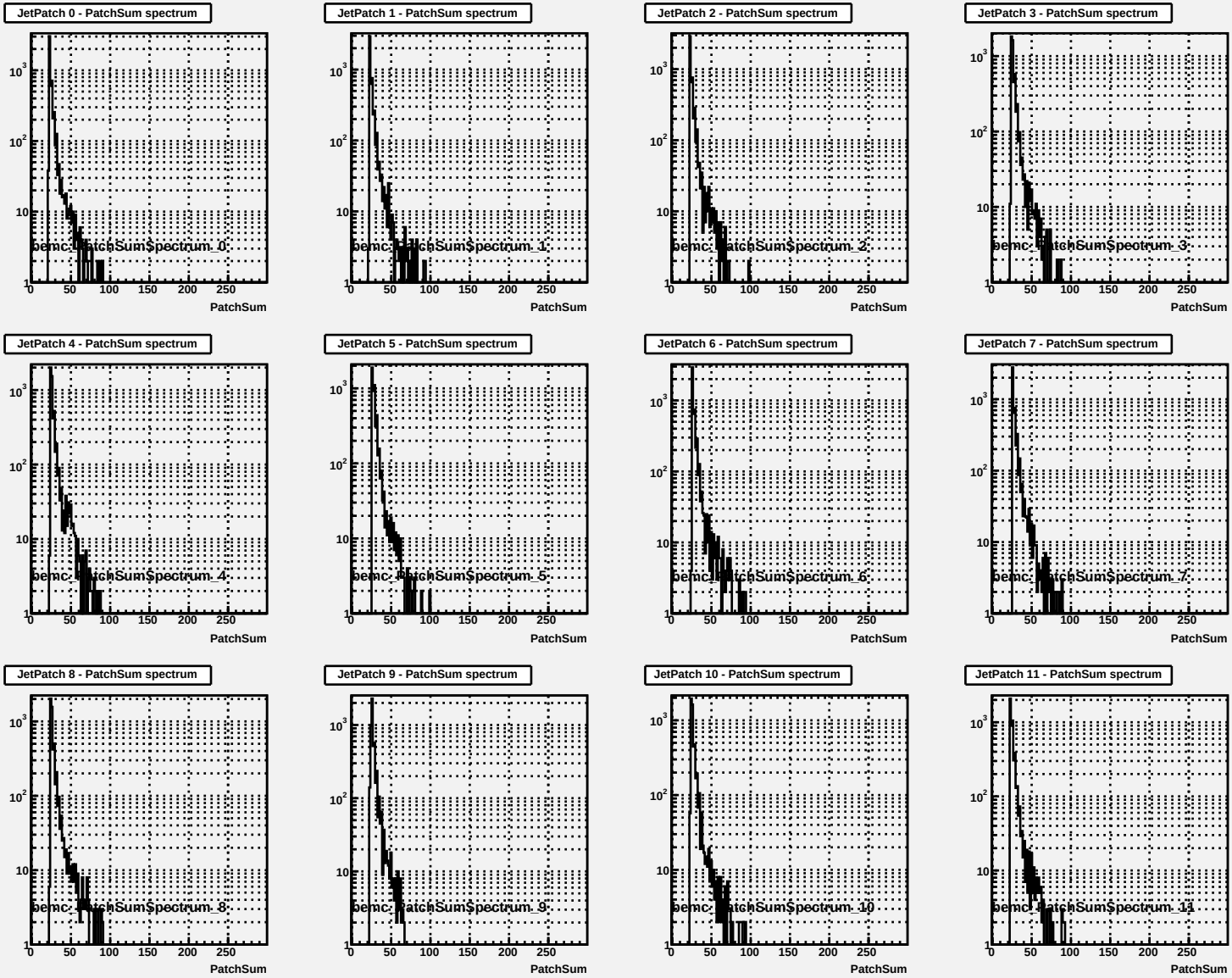

JetPatch 7 - HighTower spectrum
bemc_HighTowerSpectrum_7
HighTower

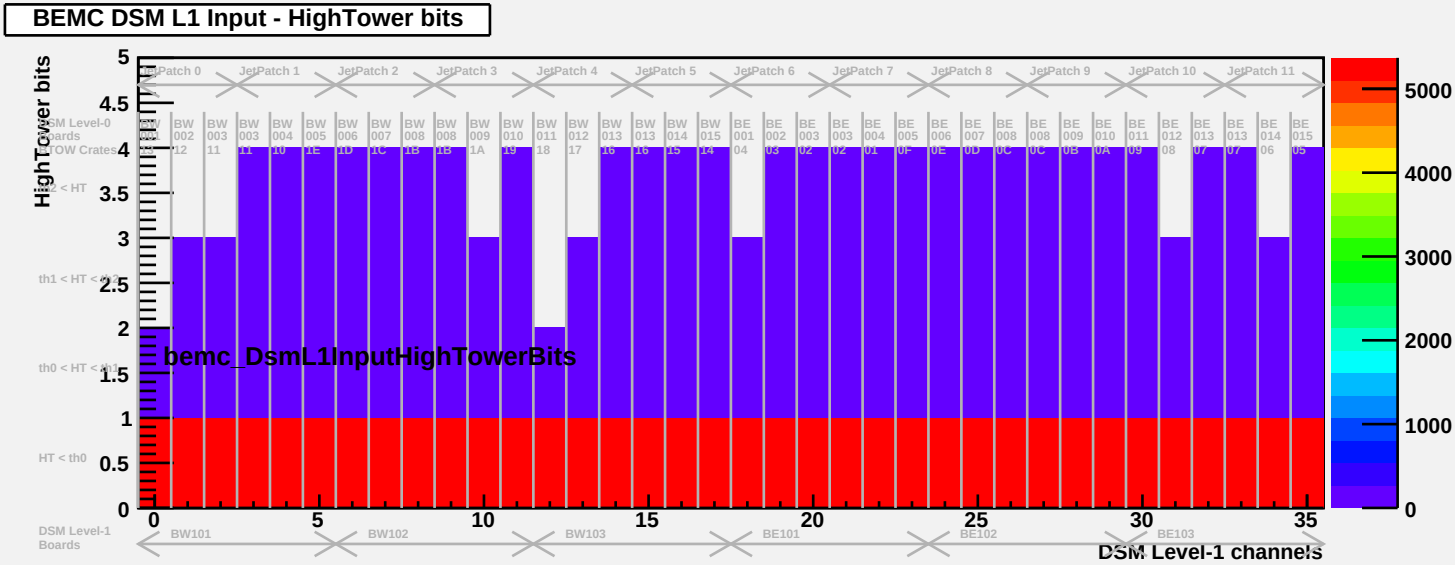

JetPatch 8 - HighTower spectrum
bemc_HighTowerSpectrum_8
HighTower

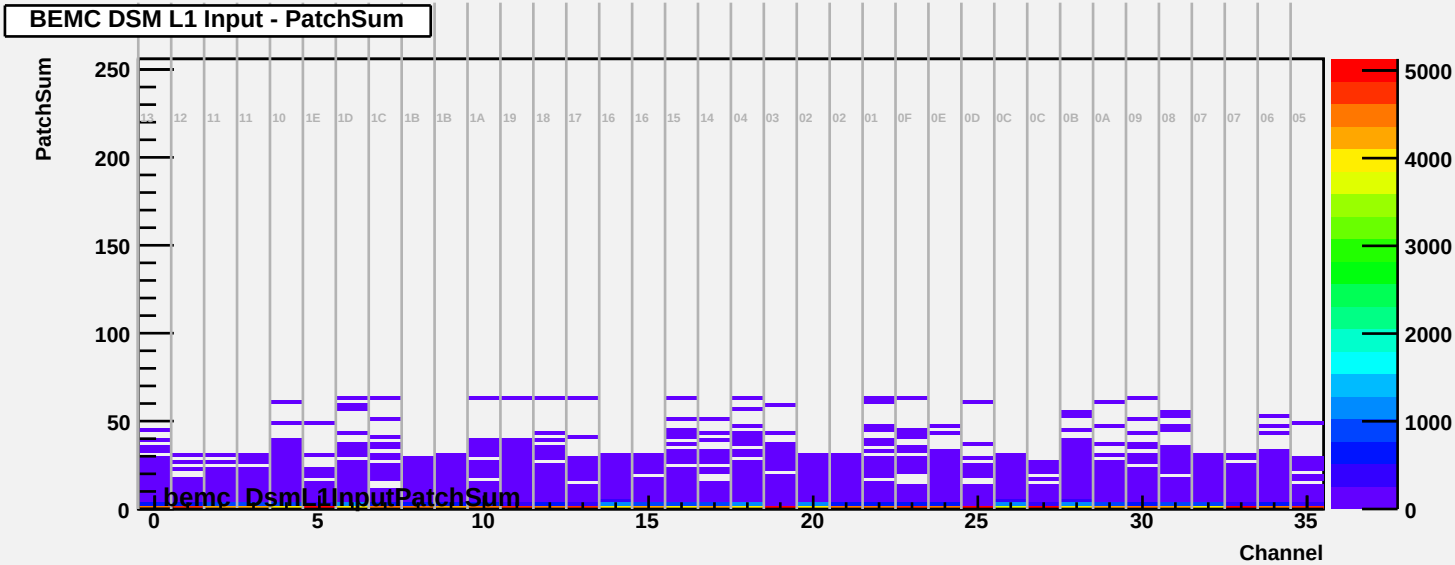

JetPatch 9 - HighTower spectrum
bemc_HighTowerSpectrum_9
HighTower

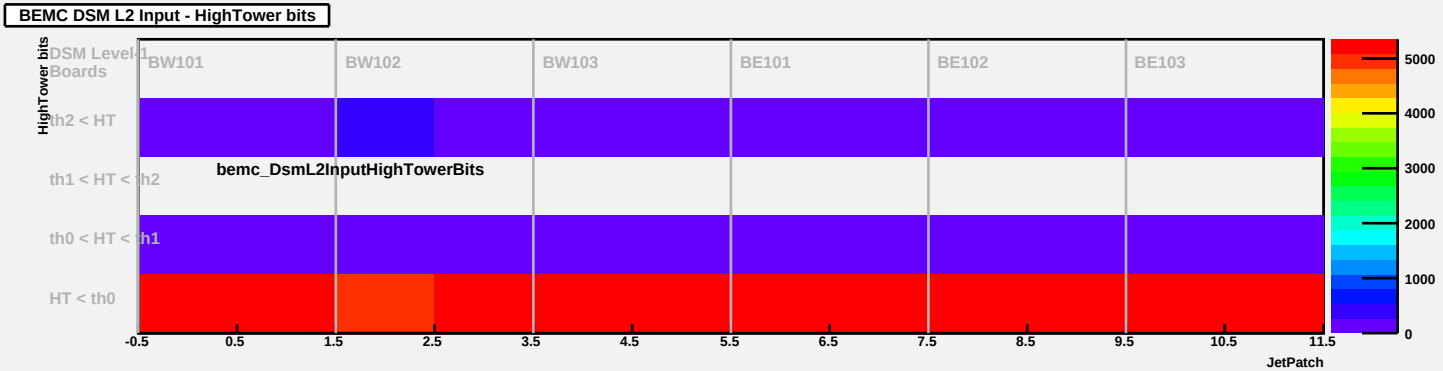

JetPatch 10 - HighTower spectrum
bemc_HighTowerSpectrum_10
HighTower

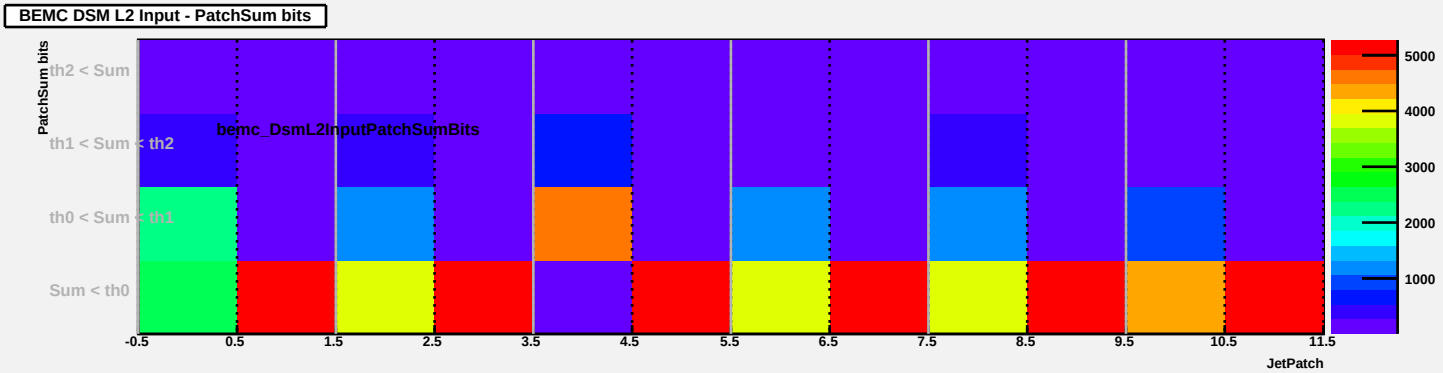

JetPatch 11 - HighTower spectrum
bemc_HighTowerSpectrum_11
HighTower

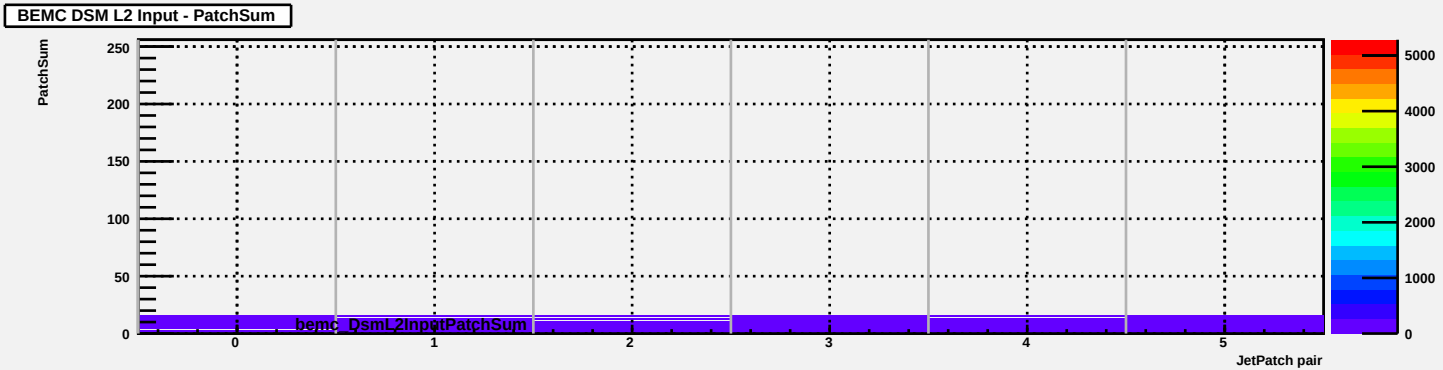

JetPatch 0 - PatchSum spectrum
bemc/PatchSum$spectrum_0
JetPatch 1 - PatchSum spectrum
bemc/PatchSum$spectrum_1
JetPatch 2 - PatchSum spectrum
bemc/PatchSum$spectrum_2
JetPatch 3 - PatchSum spectrum
bemc/PatchSum$spectrum_3
JetPatch 4 - PatchSum spectrum
bemc/PatchSum$spectrum_4
JetPatch 5 - PatchSum spectrum
bemc/PatchSum$spectrum_5
JetPatch 6 - PatchSum spectrum
bemc/PatchSum$spectrum_6
JetPatch 7 - PatchSum spectrum
bemc/PatchSum$spectrum_7
JetPatch 8 - PatchSum spectrum
bemc/PatchSum$spectrum_8
JetPatch 9 - PatchSum spectrum
bemc/PatchSum$spectrum_9
JetPatch 10 - PatchSum spectrum
bemc/PatchSum$spectrum_10
JetPatch 11 - PatchSum spectrum
bemc/PatchSum$spectrum_11
PatchSum

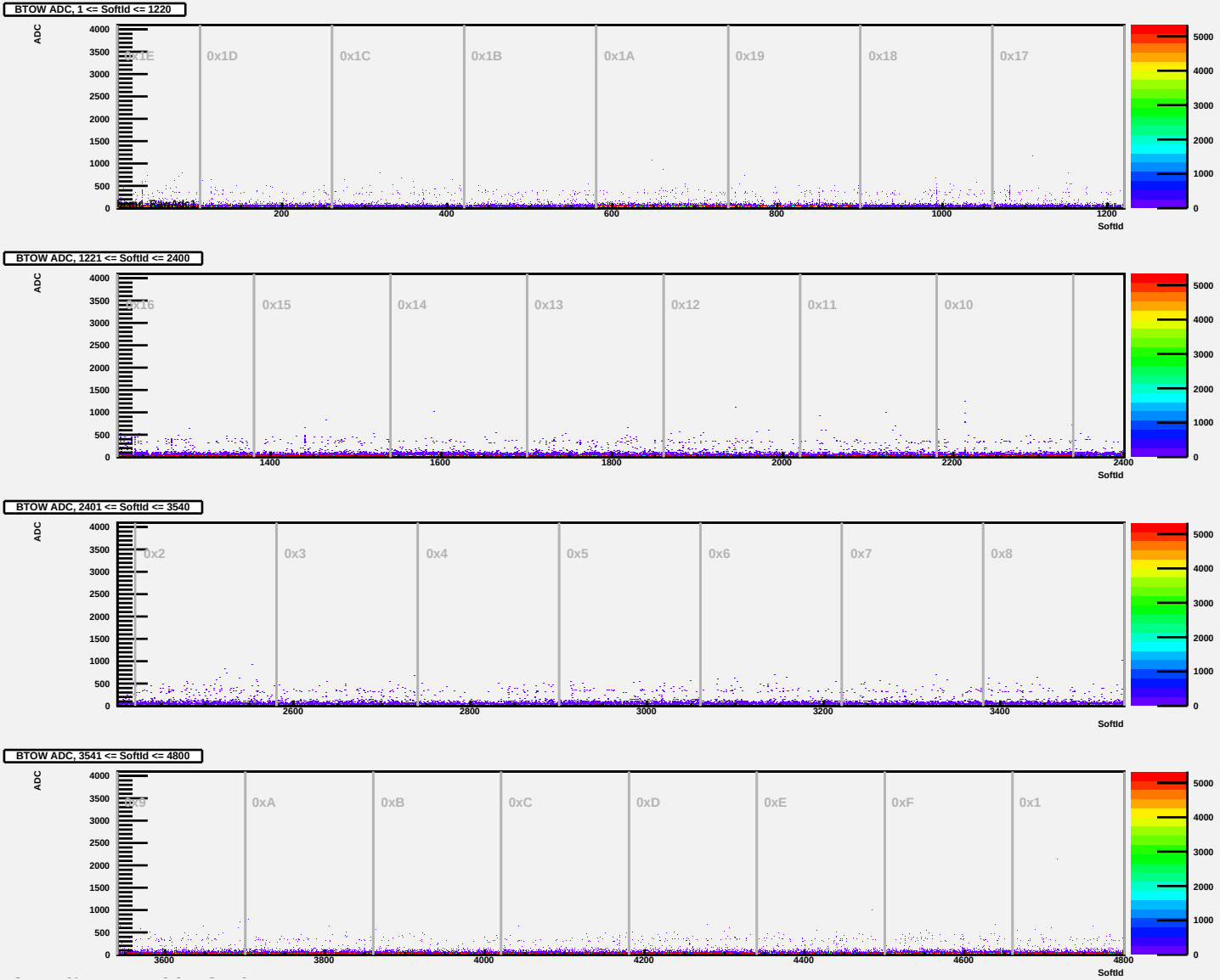

BEMC DSM L1 Input - HighTower bits
HighTower bits
bemc_DsmL1InputHighTowerBits
DSM Level-1 channels
JetPatch 0
JetPatch 1
JetPatch 2
JetPatch 3
JetPatch 4
JetPatch 5
JetPatch 6
JetPatch 7
JetPatch 8
JetPatch 9
JetPatch 10
JetPatch 11
DSM Level-0 Boards
TOW Crates
th2 < HT
th1 < HT < th2
th0 < HT < th1
HT < th0
DSM Level-1 Boards
BW101
BW102
BW103
BE101
BE102
BE103


BEMC DSM L1 Input - PatchSum
PatchSum
bemc_DsmL1InputPatchSum
Channel

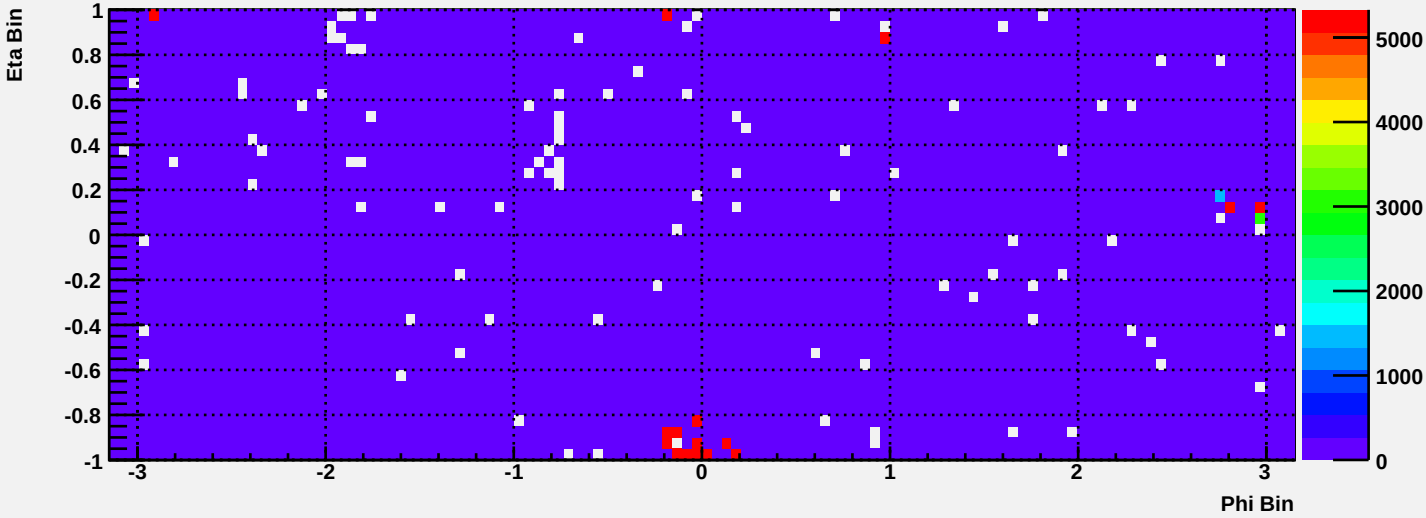

BEMC DSM L2 Input - HighTower bits
HighTower bits
DSM Level1 Boards
BW101
BW102
BW103
BE101
BE102
BE103
th2 < HT
th1 < HT < th2
th0 < HT < th1
HT < th0
bemc_DsmL2InputHighTowerBits
-0.5
0.5
1.5
2.5
3.5
4.5
5.5
6.5
7.5
8.5
9.5
10.5
11.5
JetPatch
5000
4000
3000
2000
1000
0


BEMC DSM L2 Input - PatchSum bits
PatchSum bits
th2 < Sum
th1 < Sum < th2
th0 < Sum < th1
Sum < th0
bemc_DsmL2InputPatchSumBits
-0.5
0.5
1.5
2.5
3.5
4.5
5.5
6.5
7.5
8.5
9.5
10.5
11.5
JetPatch
5000
4000
3000
2000
1000

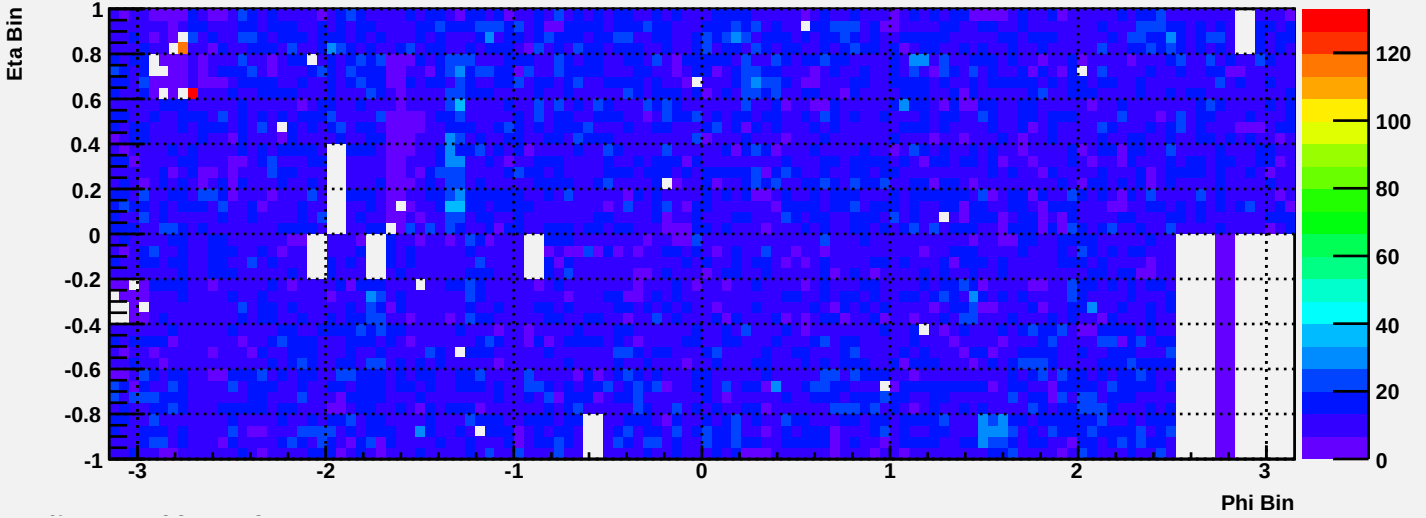

BEMC DSM L2 Input - PatchSum
PatchSum
250
200
150
100
50
0
bemc_DsmL2InputPatchSum
0
1
2
3
4
5
JetPatch pair
5000
4000
3000
2000
1000
0


BTOW ADC, 1 <= SoftId <= 1220
ADC
0x1E
0x1D
0x1C
0x1B
0x1A
0x19
0x18
0x17
Event - RawAdc1
SoftId
BTOW ADC, 1221 <= SoftId <= 2400
0x16
0x15
0x14
0x13
0x12
0x11
0x10
BTOW ADC, 2401 <= SoftId <= 3540
0x2
0x3
0x4
0x5
0x6
0x7
0x8
BTOW ADC, 3541 <= SoftId <= 4800
0x9
0xA
0xB
0xC
0xD
0xE
0xF
0x1

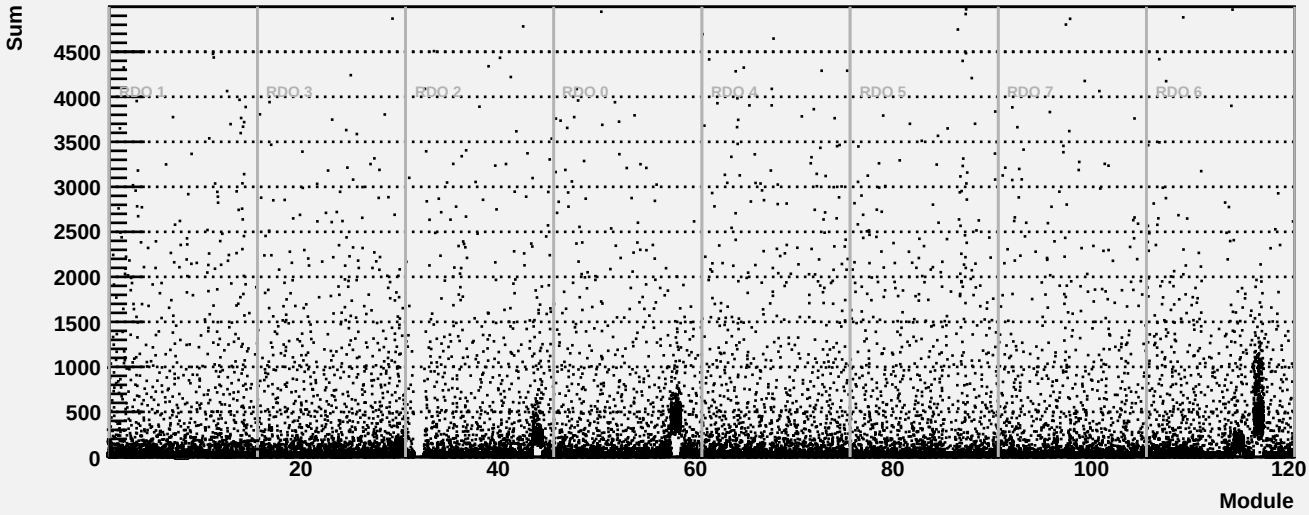
Tower hits>ped+20



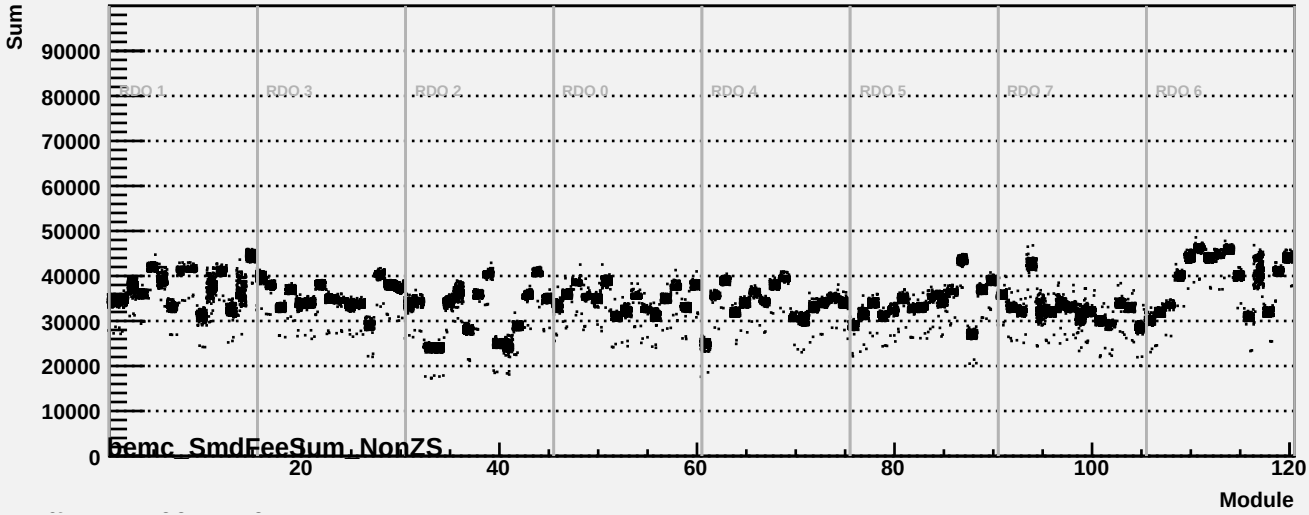
BPSD hits>ped+20



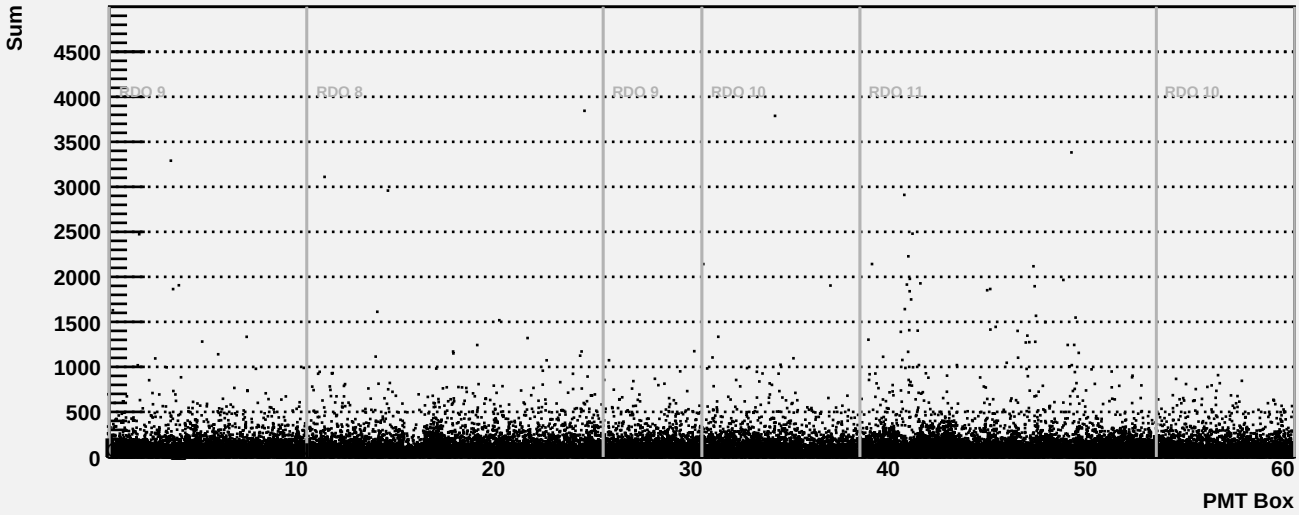
BSMD FEE Sum



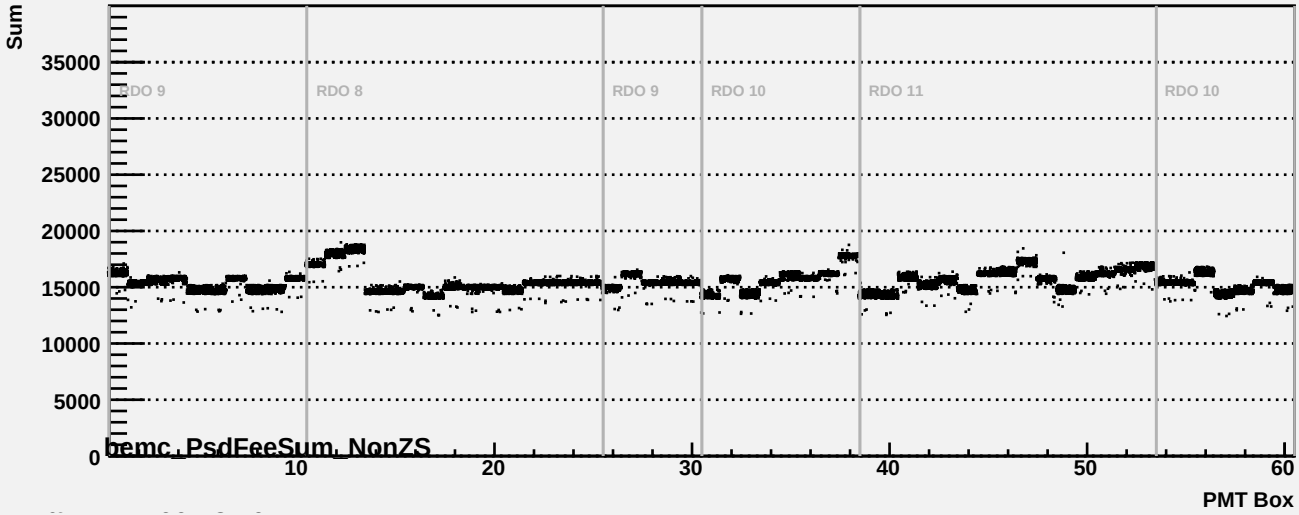
BSMD FEE Sum, Non-ZS

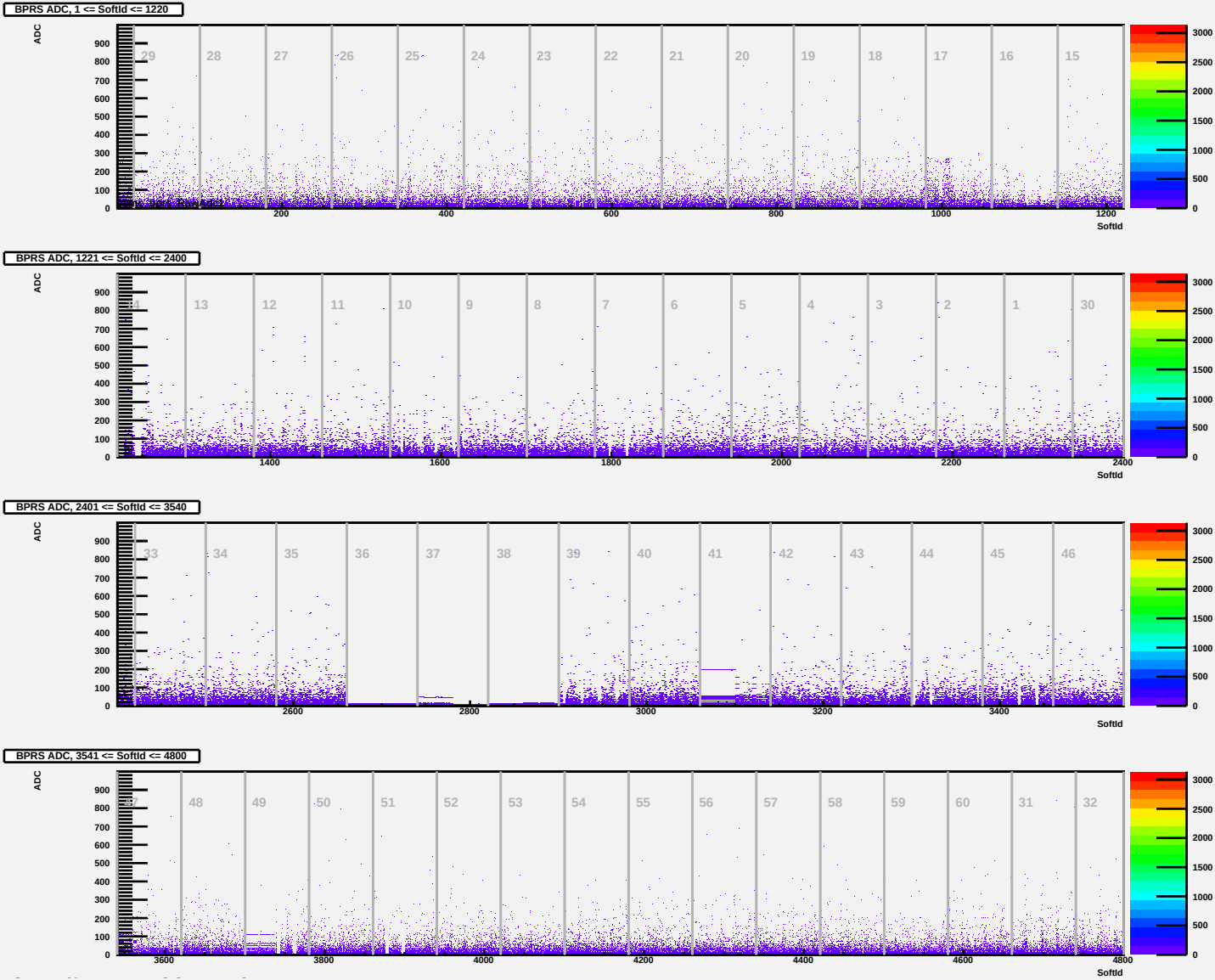


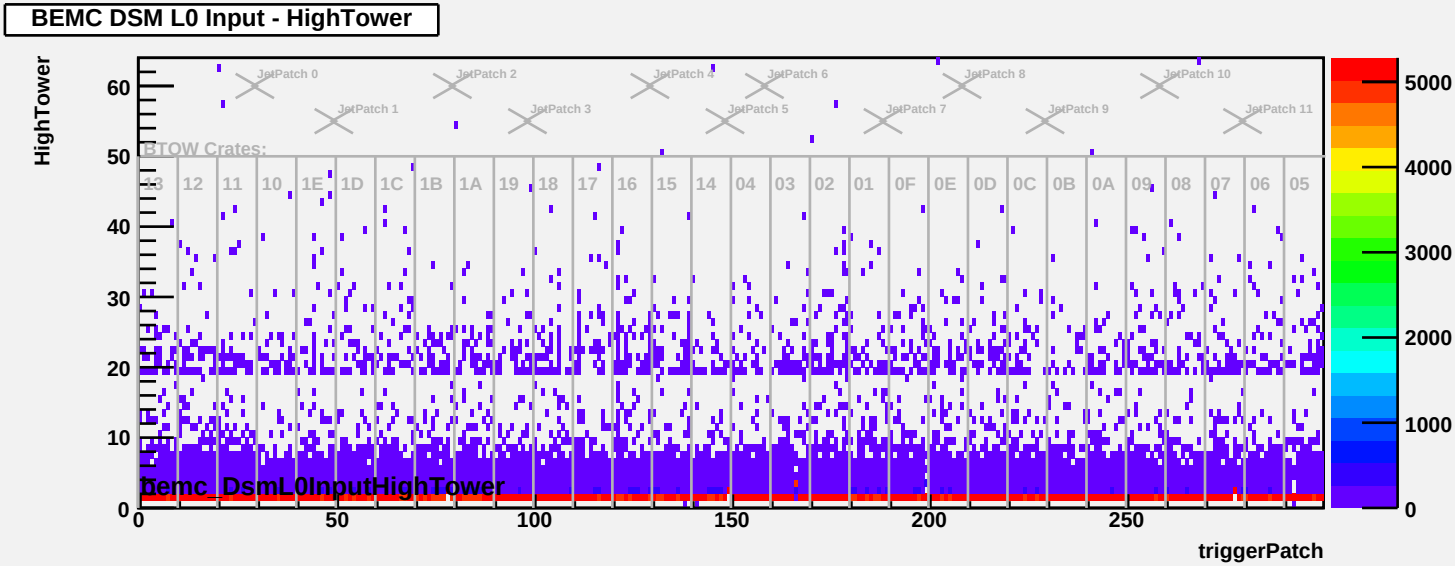
BPRS FEE Sum

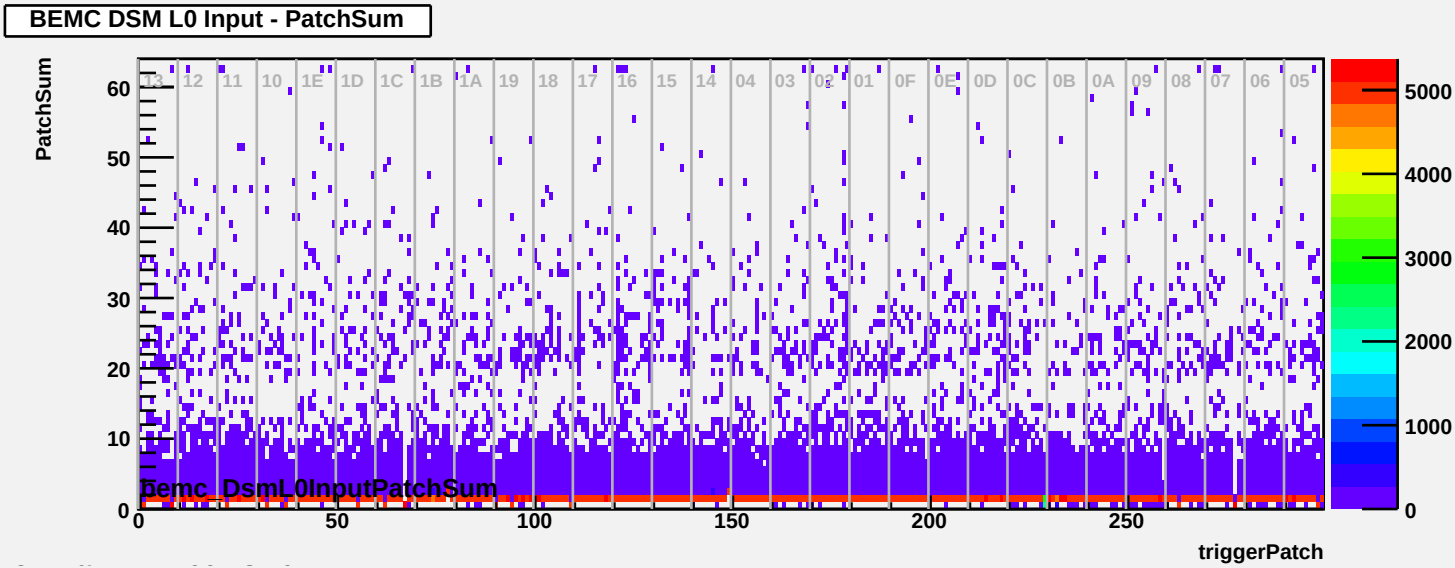


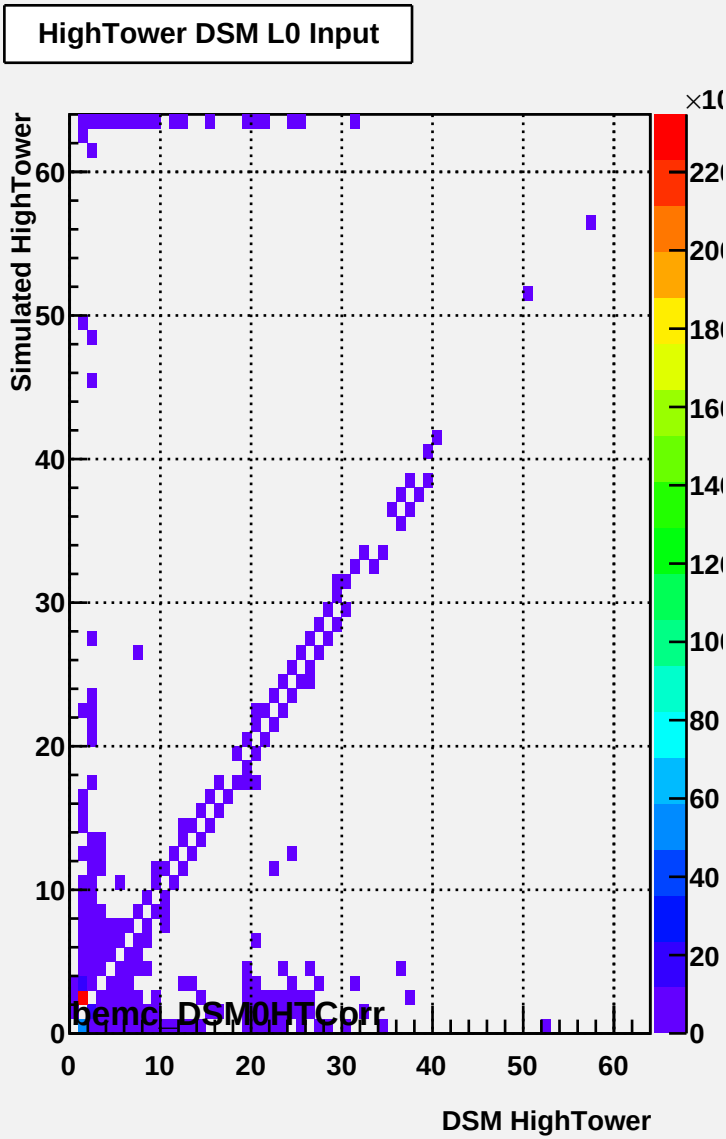
BPRS FEE Sum, Non-ZS

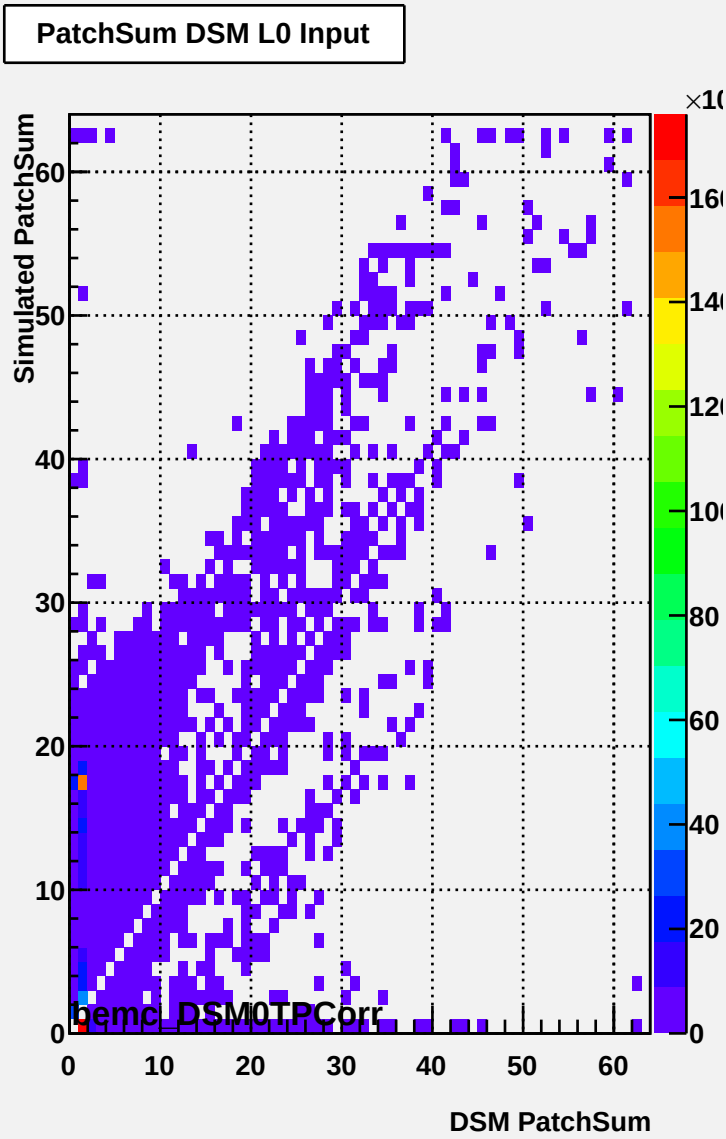


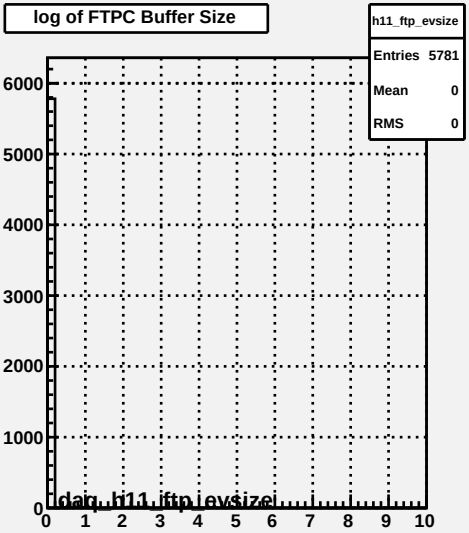

BPRS ADC, 1 <= SoftId <= 1220
ADC
29 28 27 26 25 24 23 22 21 20 19 18 17 16 15
Softid
BPRS ADC, 1221 <= SoftId <= 2400
ADC
14 13 12 11 10 9 8 7 6 5 4 3 2 1 30
Softid
BPRS ADC, 2401 <= SoftId <= 3540
ADC
33 34 35 36 37 38 39 40 41 42 43 44 45 46
Softid
BPRS ADC, 3541 <= SoftId <= 4800
ADC
47 48 49 50 51 52 53 54 55 56 57 58 59 60 31 32
Softid

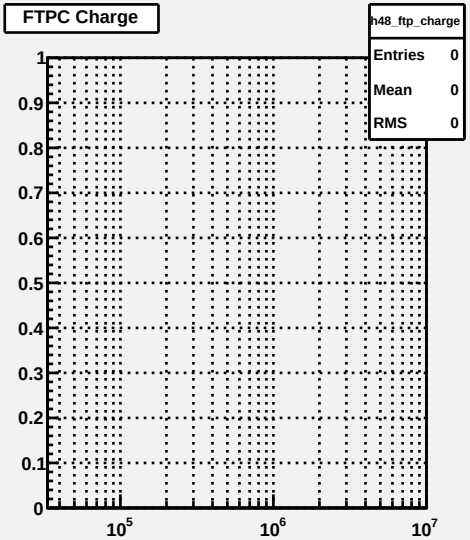

BEMC DSM L0 Input - HighTower
HighTower
triggerPatch
JetPatch 0
JetPatch 1
JetPatch 2
JetPatch 3
JetPatch 4
JetPatch 5
JetPatch 6
JetPatch 7
JetPatch 8
JetPatch 9
JetPatch 10
JetPatch 11
BTOW Crates:
13 12 11 10 1E 1D 1C 1B 1A 19 18 17 16 15 14 04 03 02 01 0F 0E 0D 0C 0B 0A 09 08 07 06 05
bemc_DsmL0InputHighTower

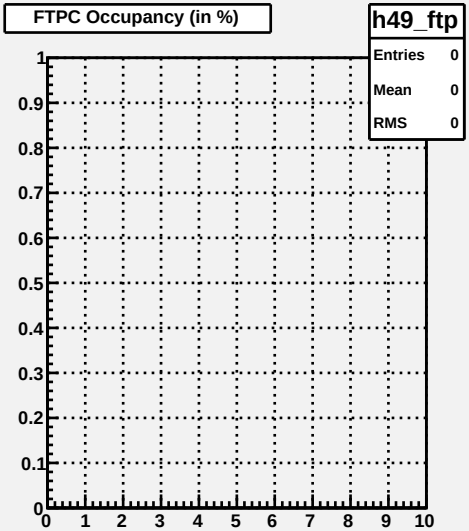

BEMC DSM L0 Input - PatchSum
PatchSum
triggerPatch
13 12 11 10 1E 1D 1C 1B 1A 19 18 17 16 15 14 04 03 02 01 0F 0E 0D 0C 0B 0A 09 08 07 06 05
bemc_DsmL0InputPatchSum

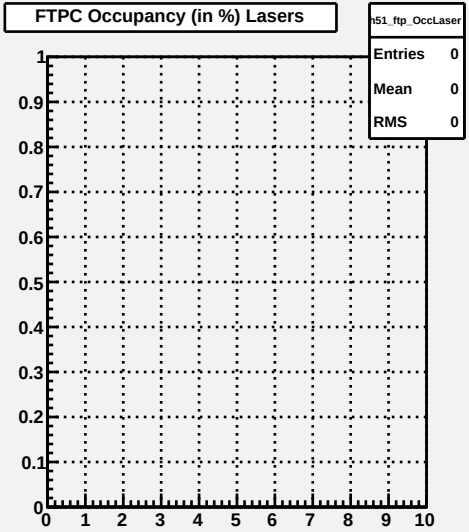

HighTower DSM L0 Input
Simulated HighTower
DSM HighTower
bemc_DSM0HTCorr
0
10
20
30
40
50
60
×10
22
20
18
16
14
12
10
80
60
40
20
0

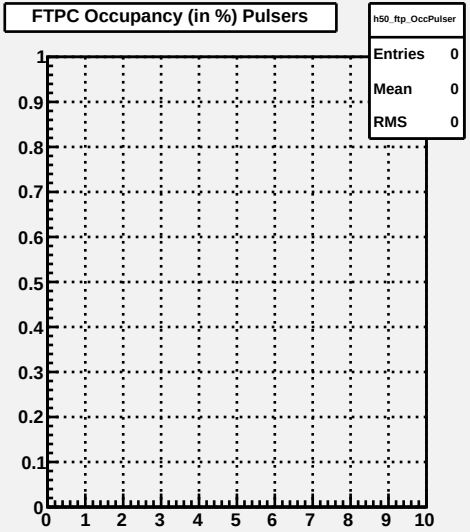

PatchSum DSM L0 Input
Simulated PatchSum
DSM PatchSum
bemc_DSM0TPCorr
0
10
20
30
40
50
60
×10
16
14
12
10
80
60
40
20
0


log of FTPC Buffer Size
h11_ftp_evsize
Entries 5781
Mean 0
RMS 0
daq_h11_ftp_evsize

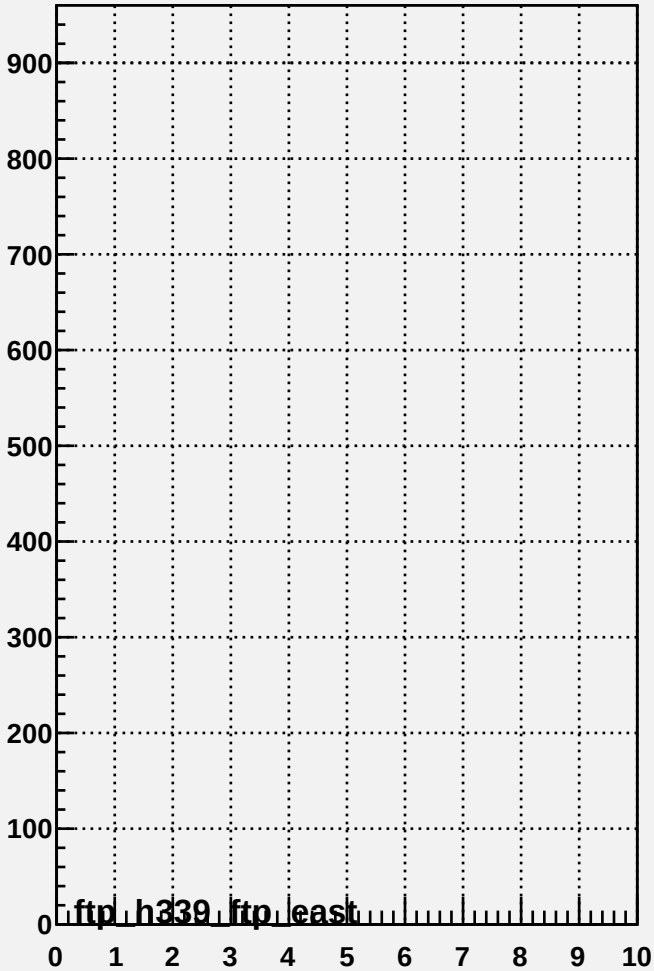

FTPC Charge
h48_ftp_charge
Entries 0
Mean 0
RMS 0


FTPC Occupancy (in %)
h49_ftp
Entries 0
Mean 0
RMS 0

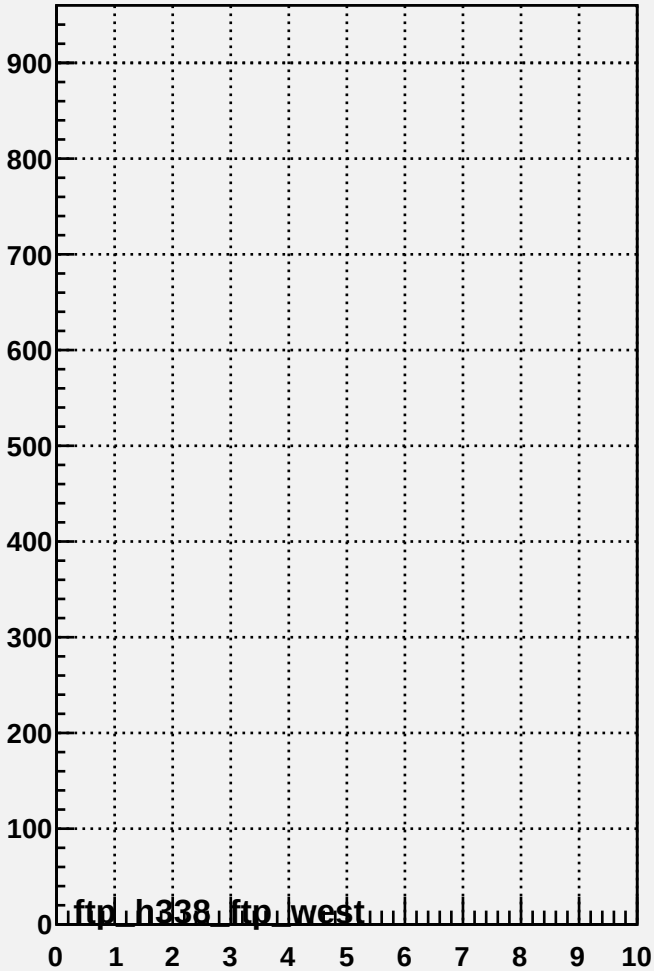

FTPC Occupancy (in %) Lasers
h51_ftp_OccLaser
Entries 0
Mean 0
RMS 0

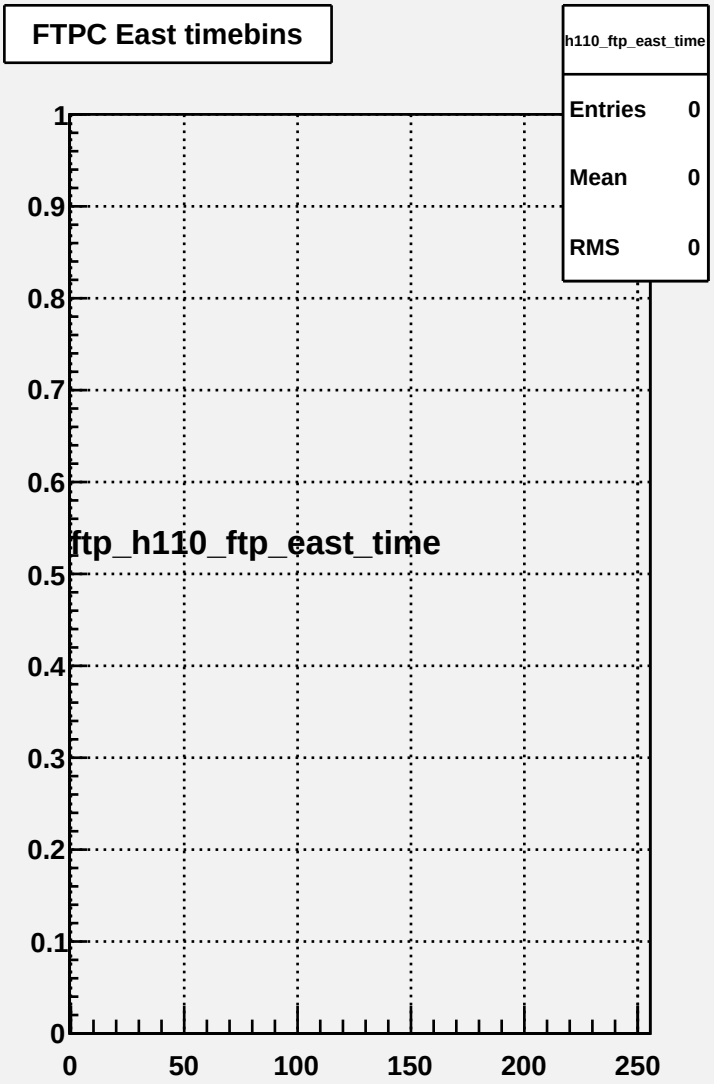

FTPC Occupancy (in %) Pulsers
h50_ftp_OccPulser
Entries 0
Mean 0
RMS 0

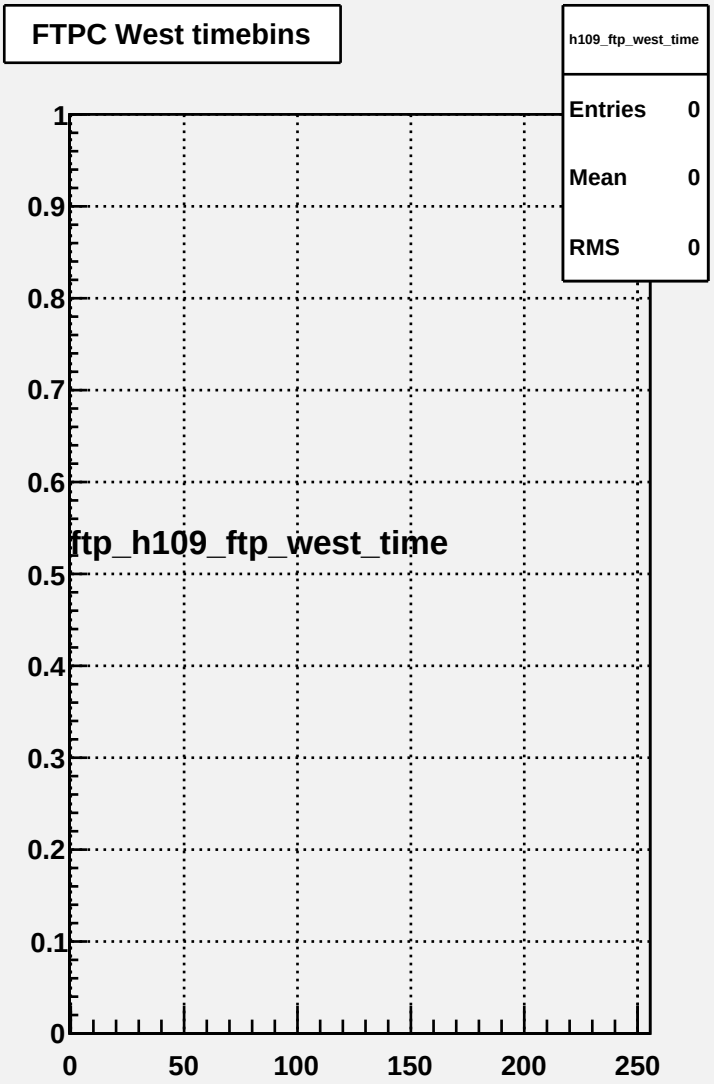
FTPC East pad charge: pad vs row



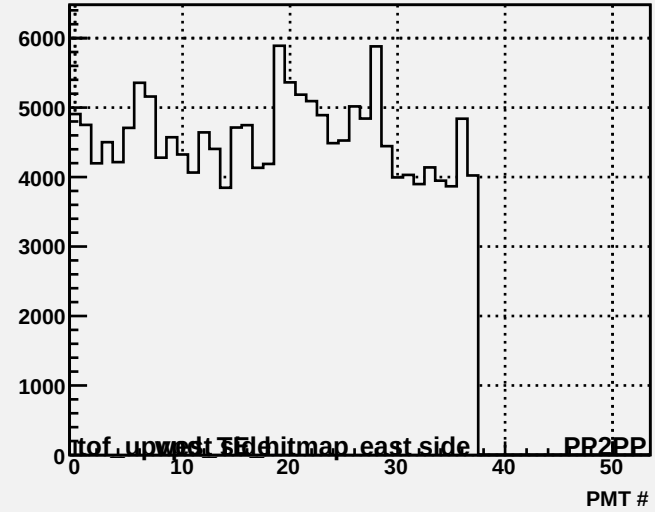
FTPC West pad charge: pad vs row



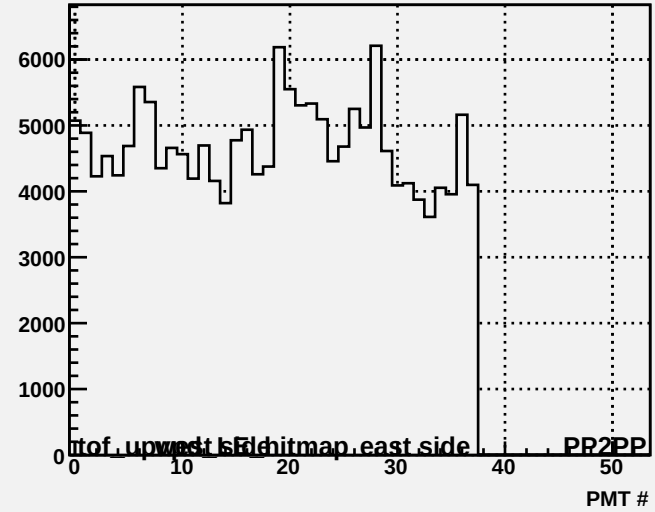

FTPC East timebins
h110_ftp_east_time
Entries 0
Mean 0
RMS 0
ftp_h110_ftp_east_time
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250


FTPC West timebins
h109_ftp_west_time
Entries 0
Mean 0
RMS 0
ftp_h109_ftp_west_time
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

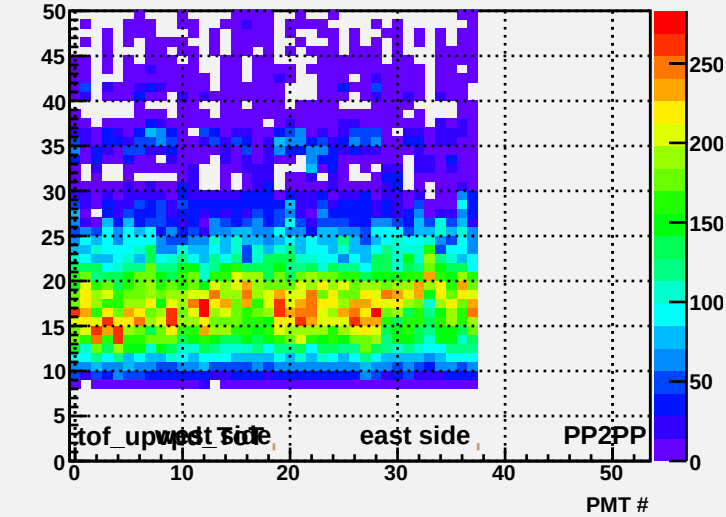
upvpd Trailing edge hitmap



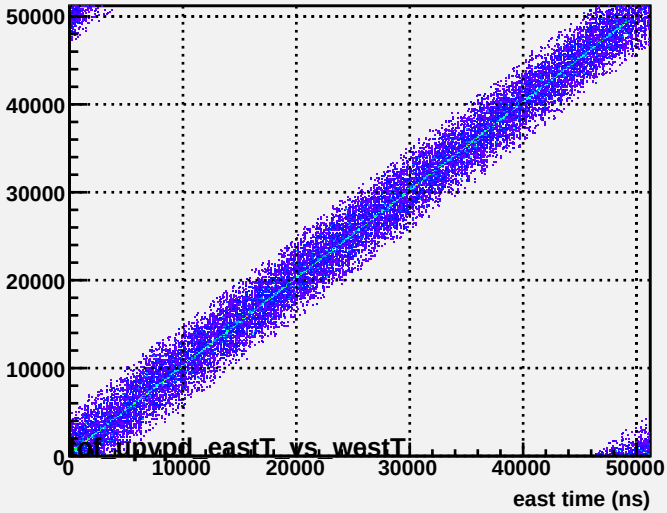
upvpd Leading edge hitmap

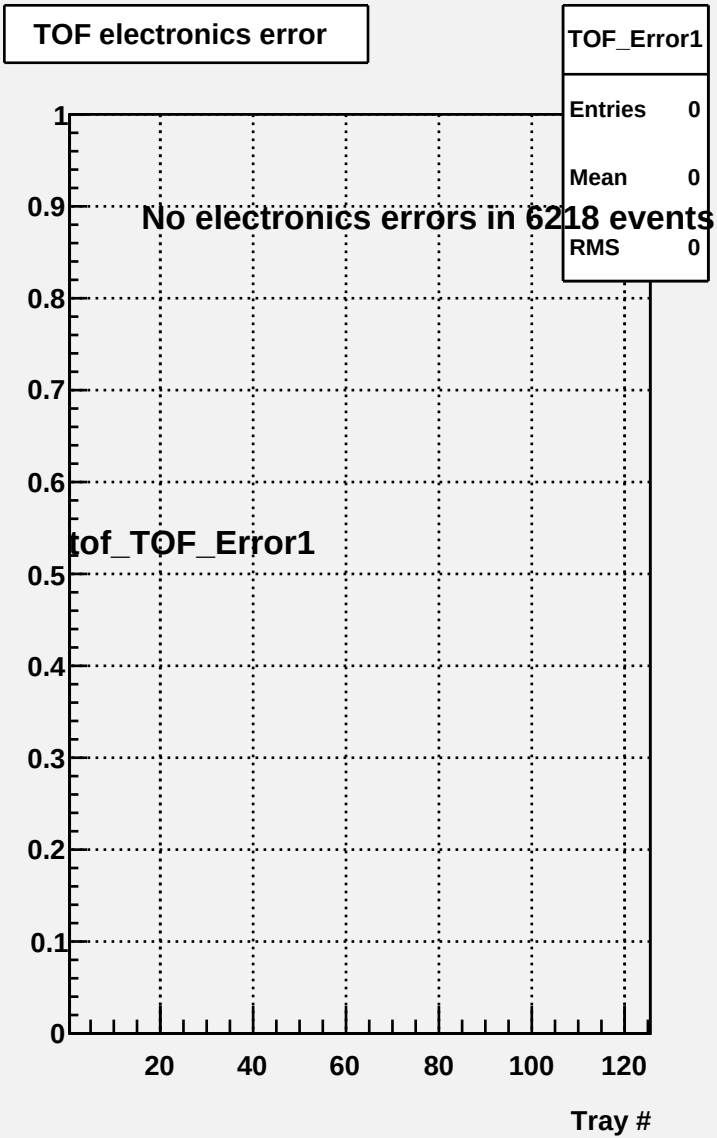


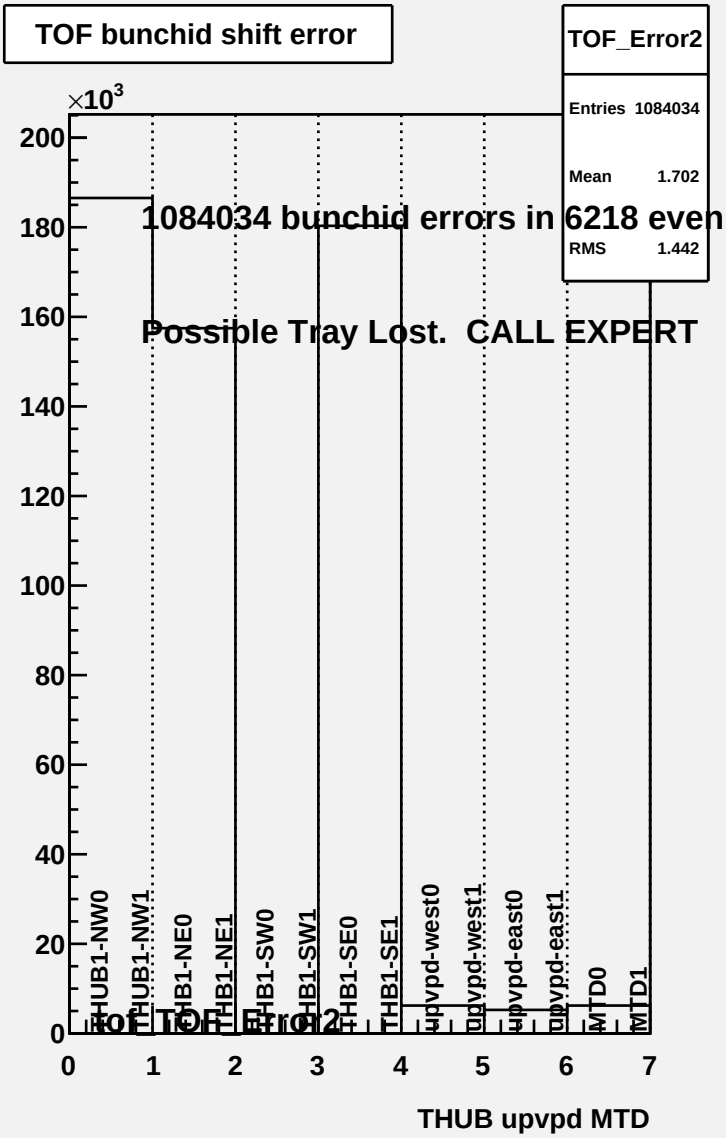
upvpd ToT vs PMT#

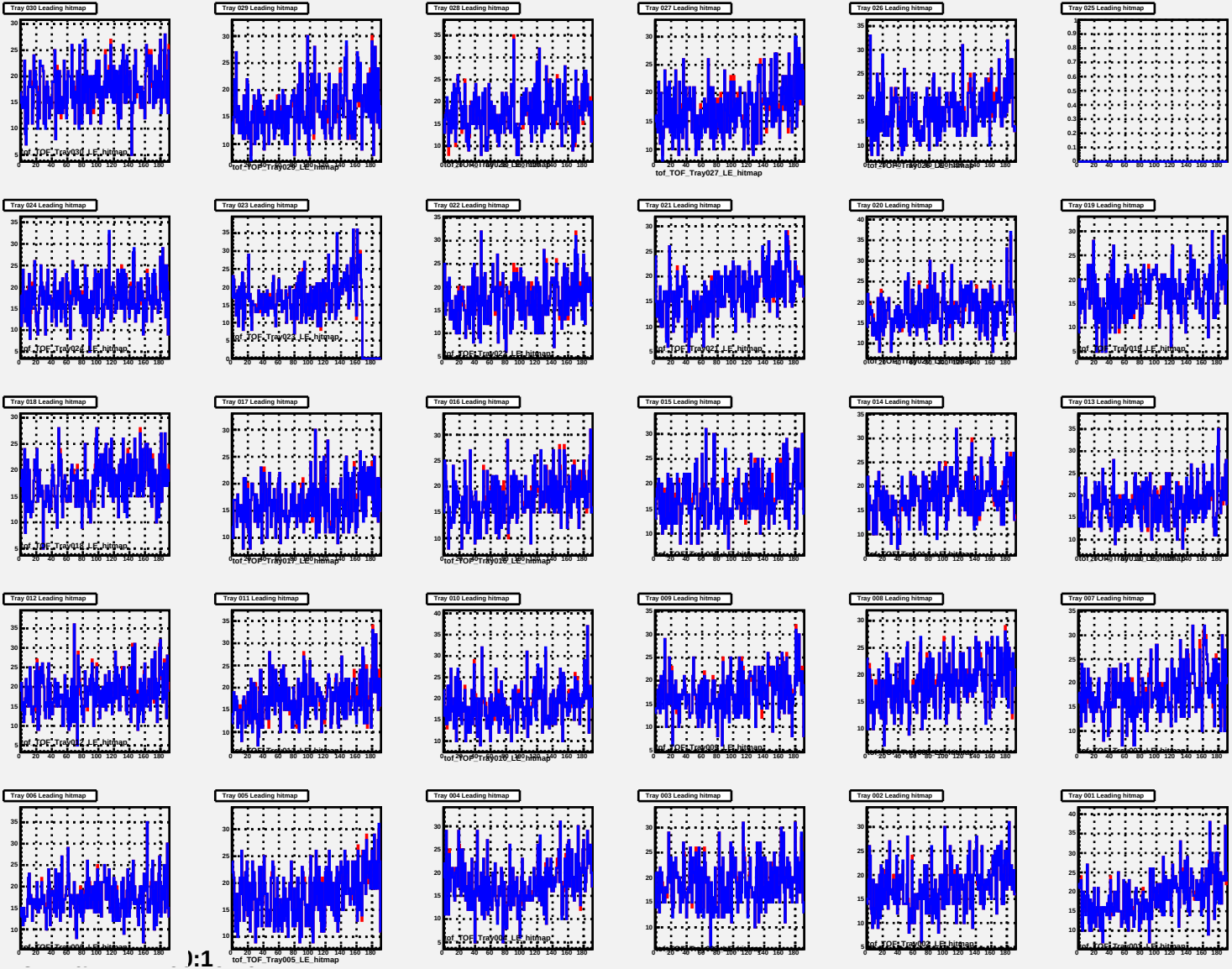


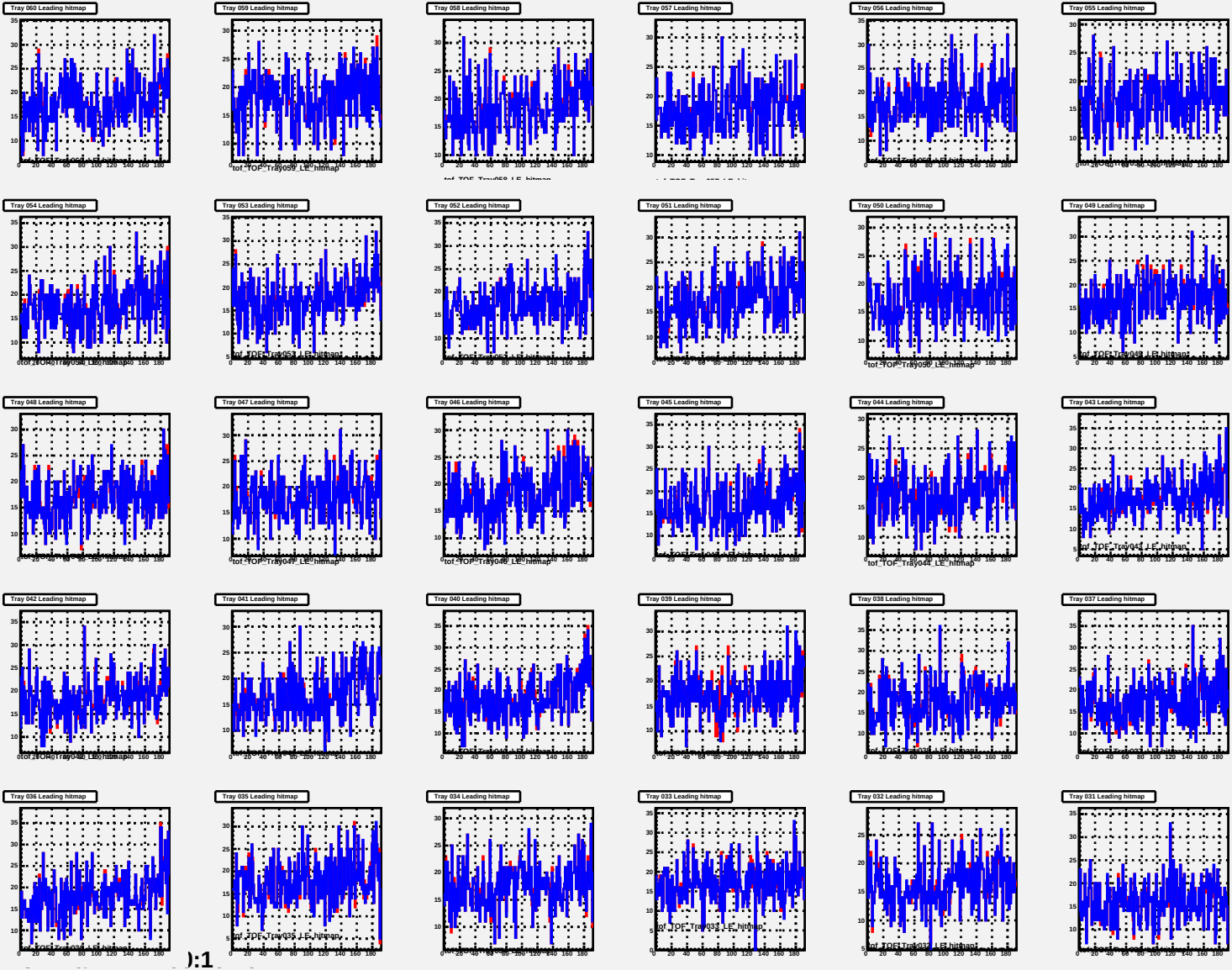
upvpd eastT vs westT




TOF electronics error
TOF_Error1
Entries 0
Mean 0
RMS 0
No electronics errors in 6218 events
tof_TOF_Error1
Tray #


TOF bunchid shift error
TOF_Error2
Entries 1084034
Mean 1.702
RMS 1.442
×10^3
1084034 bunchid errors in 6218 even
Possible Tray Lost. CALL EXPERT
THUB1-NW0
THUB1-NW1
THB1-NE0
THB1-NE1
THB1-SW0
THB1-SW1
THB1-SE0
THB1-SE1
upvpd-west0
upvpd-west1
upvpd-east0
upvpd-east1
MTD0
MTD1
tof_TOF_Error2
THUB upvpd MTD


Tray 030 Leading hitmap
tof_TOF_Tray030_LE_hitmap
Tray 029 Leading hitmap
tof_TOF_Tray029_LE_hitmap
Tray 028 Leading hitmap
tof_TOF_Tray028_LE_hitmap
Tray 027 Leading hitmap
tof_TOF_Tray027_LE_hitmap
Tray 026 Leading hitmap
tof_TOF_Tray026_LE_hitmap
Tray 025 Leading hitmap
Tray 024 Leading hitmap
tof_TOF_Tray024_LE_hitmap
Tray 023 Leading hitmap
tof_TOF_Tray023_LE_hitmap
Tray 022 Leading hitmap
tof_TOF_Tray022_LE_hitmap
Tray 021 Leading hitmap
tof_TOF_Tray021_LE_hitmap
Tray 020 Leading hitmap
tof_TOF_Tray020_LE_hitmap
Tray 019 Leading hitmap
tof_TOF_Tray019_LE_hitmap
Tray 018 Leading hitmap
tof_TOF_Tray018_LE_hitmap
Tray 017 Leading hitmap
tof_TOF_Tray017_LE_hitmap
Tray 016 Leading hitmap
tof_TOF_Tray016_LE_hitmap
Tray 015 Leading hitmap
Tray 014 Leading hitmap
Tray 013 Leading hitmap
Tray 012 Leading hitmap
tof_TOF_Tray012_LE_hitmap
Tray 011 Leading hitmap
Tray 010 Leading hitmap
tof_TOF_Tray010_LE_hitmap
Tray 009 Leading hitmap
tof_TOF_Tray009_LE_hitmap
Tray 008 Leading hitmap
Tray 007 Leading hitmap
Tray 006 Leading hitmap
Tray 005 Leading hitmap
tof_TOF_Tray005_LE_hitmap
Tray 004 Leading hitmap
tof_TOF_Tray004_LE_hitmap
Tray 003 Leading hitmap
Tray 002 Leading hitmap
tof_TOF_Tray002_LE_hitmap
Tray 001 Leading hitmap


Tray 060 Leading hitmap
Tray 059 Leading hitmap
Tray 058 Leading hitmap
Tray 057 Leading hitmap
Tray 056 Leading hitmap
Tray 055 Leading hitmap
Tray 054 Leading hitmap
Tray 053 Leading hitmap
Tray 052 Leading hitmap
Tray 051 Leading hitmap
Tray 050 Leading hitmap
Tray 049 Leading hitmap
Tray 048 Leading hitmap
Tray 047 Leading hitmap
Tray 046 Leading hitmap
Tray 045 Leading hitmap
Tray 044 Leading hitmap
Tray 043 Leading hitmap
Tray 042 Leading hitmap
Tray 041 Leading hitmap
Tray 040 Leading hitmap
Tray 039 Leading hitmap
Tray 038 Leading hitmap
Tray 037 Leading hitmap
Tray 036 Leading hitmap
Tray 035 Leading hitmap
Tray 034 Leading hitmap
Tray 033 Leading hitmap
Tray 032 Leading hitmap
Tray 031 Leading hitmap

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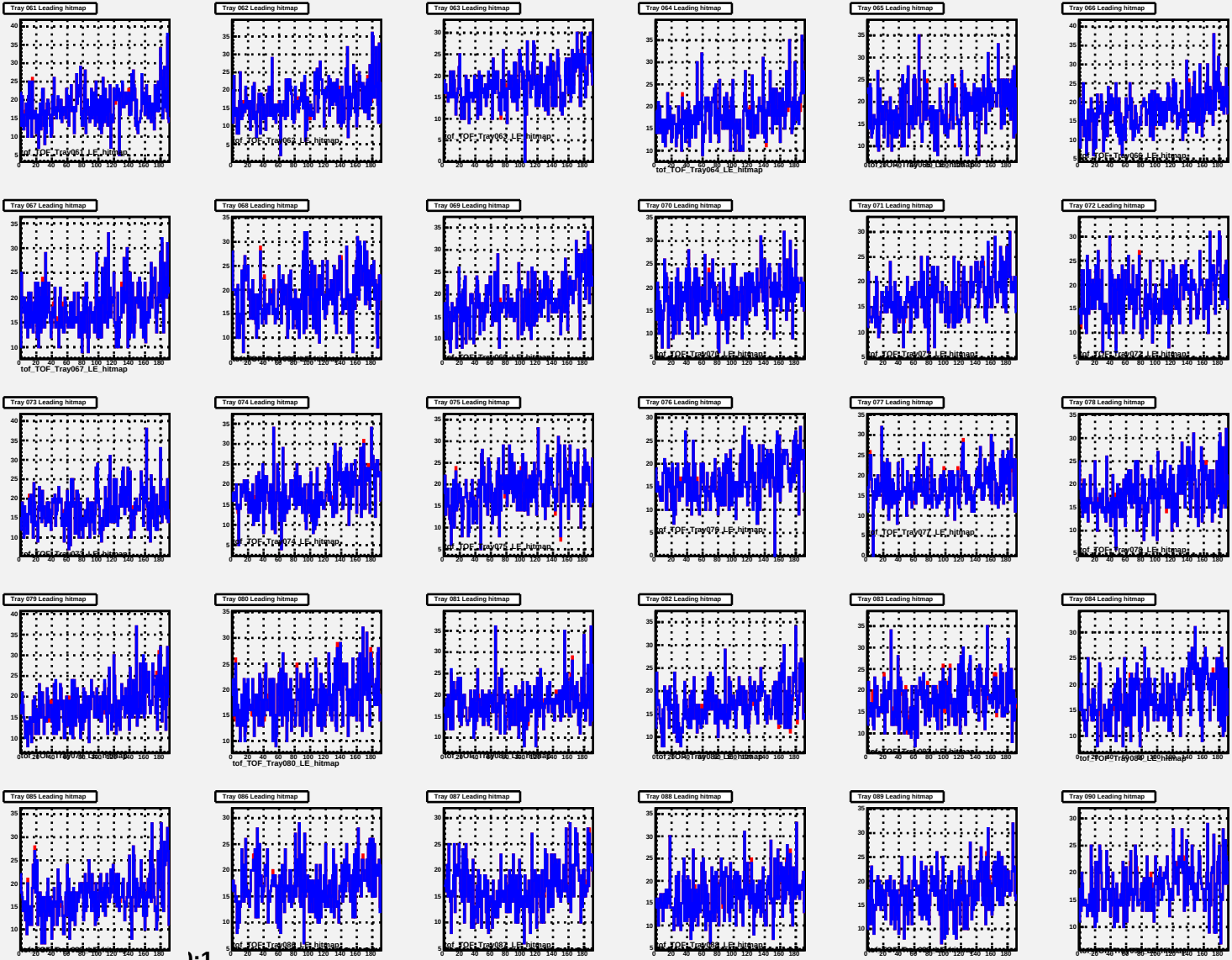
Tray 061 Leading hitmap
tof_TOF_Tray061_LE_hitmap
Tray 062 Leading hitmap
tof_TOF_Tray062_LE_hitmap
Tray 063 Leading hitmap
tof_TOF_Tray063_LE_hitmap
Tray 064 Leading hitmap
tof_TOF_Tray064_LE_hitmap
Tray 065 Leading hitmap
Tray 066 Leading hitmap
tof_TOF_Tray066_LE_hitmap
Tray 067 Leading hitmap
tof_TOF_Tray067_LE_hitmap
Tray 068 Leading hitmap
Tray 069 Leading hitmap
Tray 070 Leading hitmap
Tray 071 Leading hitmap
Tray 072 Leading hitmap
Tray 073 Leading hitmap
Tray 074 Leading hitmap
Tray 075 Leading hitmap
Tray 076 Leading hitmap
Tray 077 Leading hitmap
Tray 078 Leading hitmap
Tray 079 Leading hitmap
Tray 080 Leading hitmap
tof_TOF_Tray080_LE_hitmap
Tray 081 Leading hitmap
Tray 082 Leading hitmap
Tray 083 Leading hitmap
Tray 084 Leading hitmap
Tray 085 Leading hitmap
Tray 086 Leading hitmap
Tray 087 Leading hitmap
Tray 088 Leading hitmap
Tray 089 Leading hitmap
Tray 090 Leading hitmap

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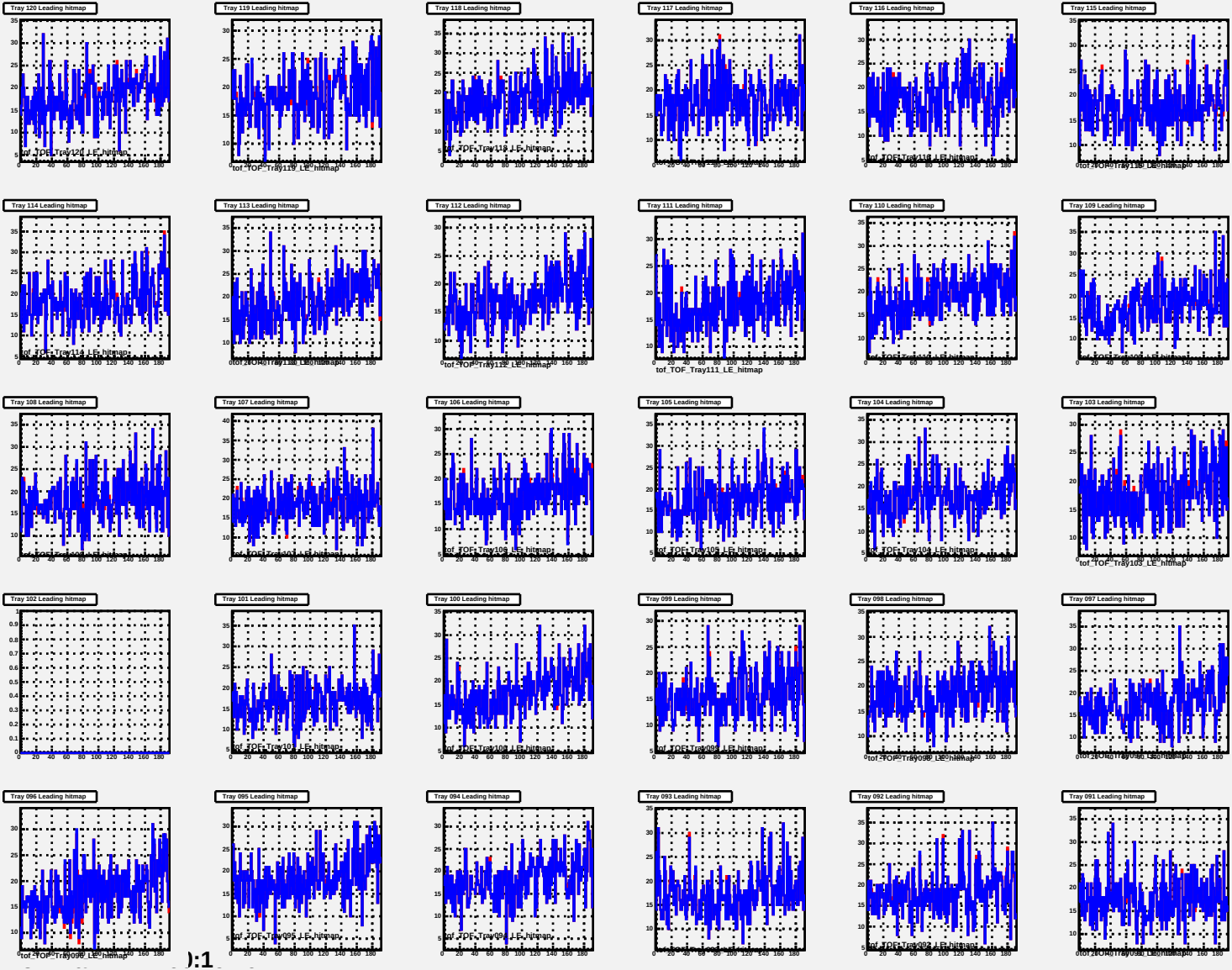
Tray 120 Leading hitmap
tof_TOF_Tray120_LE_hitmap
Tray 119 Leading hitmap
tof_TOF_Tray119_LE_hitmap
Tray 118 Leading hitmap
tof_TOF_Tray118_LE_hitmap
Tray 117 Leading hitmap
Tray 116 Leading hitmap
Tray 115 Leading hitmap
Tray 114 Leading hitmap
tof_TOF_Tray114_LE_hitmap
Tray 113 Leading hitmap
Tray 112 Leading hitmap
tof_TOF_Tray112_LE_hitmap
Tray 111 Leading hitmap
tof_TOF_Tray111_LE_hitmap
Tray 110 Leading hitmap
Tray 109 Leading hitmap
Tray 108 Leading hitmap
Tray 107 Leading hitmap
Tray 106 Leading hitmap
tof_TOF_Tray106_LE_hitmap
Tray 105 Leading hitmap
tof_TOF_Tray105_LE_hitmap
Tray 104 Leading hitmap
tof_TOF_Tray104_LE_hitmap
Tray 103 Leading hitmap
tof_TOF_Tray103_LE_hitmap
Tray 102 Leading hitmap
Tray 101 Leading hitmap
tof_TOF_Tray101_LE_hitmap
Tray 100 Leading hitmap
tof_TOF_Tray100_LE_hitmap
Tray 099 Leading hitmap
tof_TOF_Tray099_LE_hitmap
Tray 098 Leading hitmap
tof_TOF_Tray098_LE_hitmap
Tray 097 Leading hitmap
Tray 096 Leading hitmap
tof_TOF_Tray096_LE_hitmap
Tray 095 Leading hitmap
tof_TOF_Tray095_LE_hitmap
Tray 094 Leading hitmap
tof_TOF_Tray094_LE_hitmap
Tray 093 Leading hitmap
Tray 092 Leading hitmap
tof_TOF_Tray092_LE_hitmap
Tray 091 Leading hitmap

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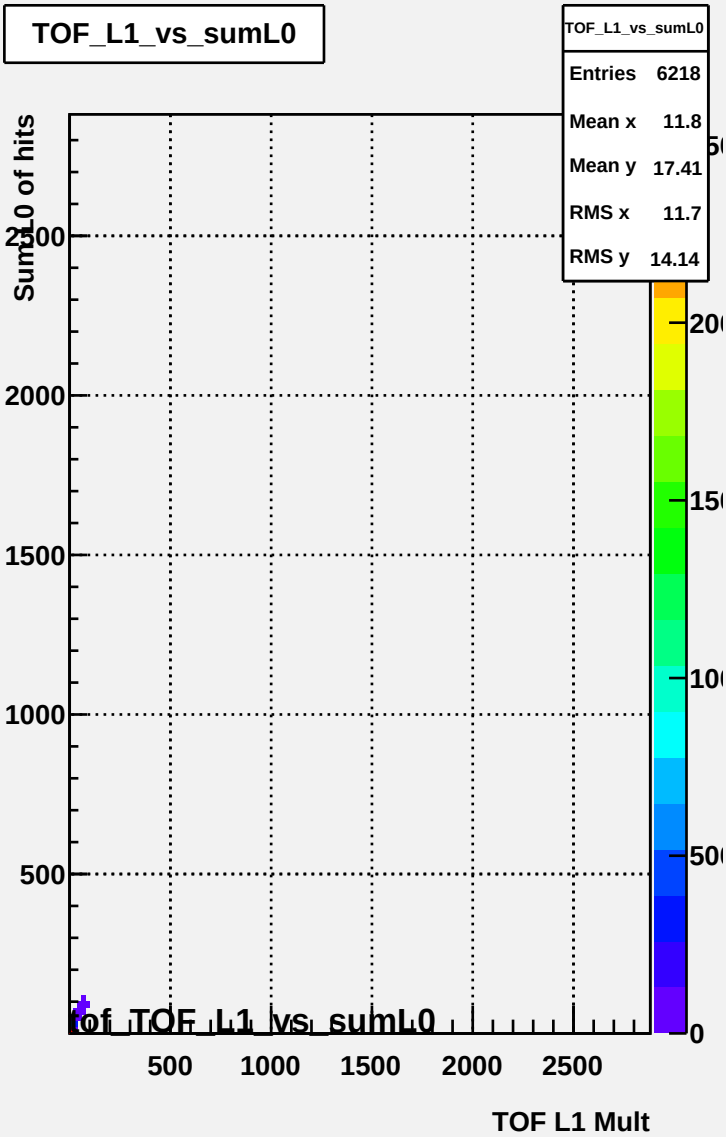
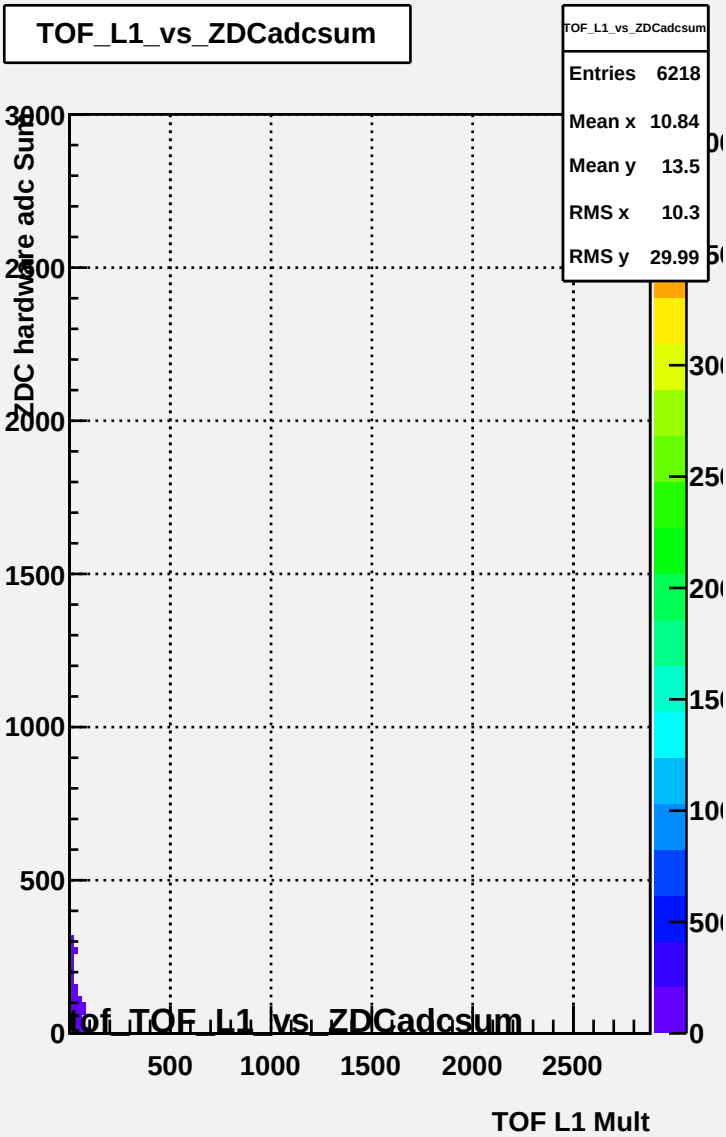
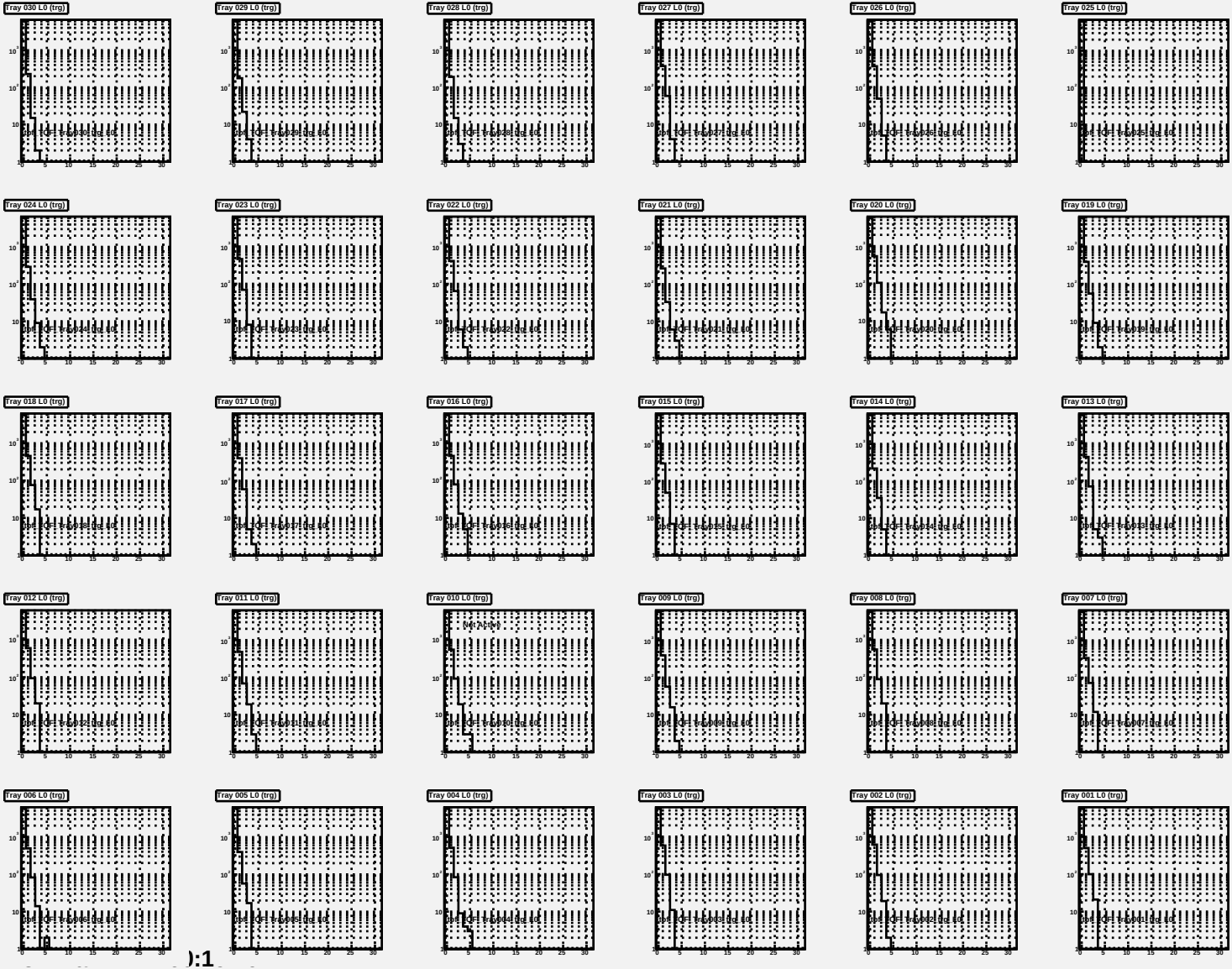
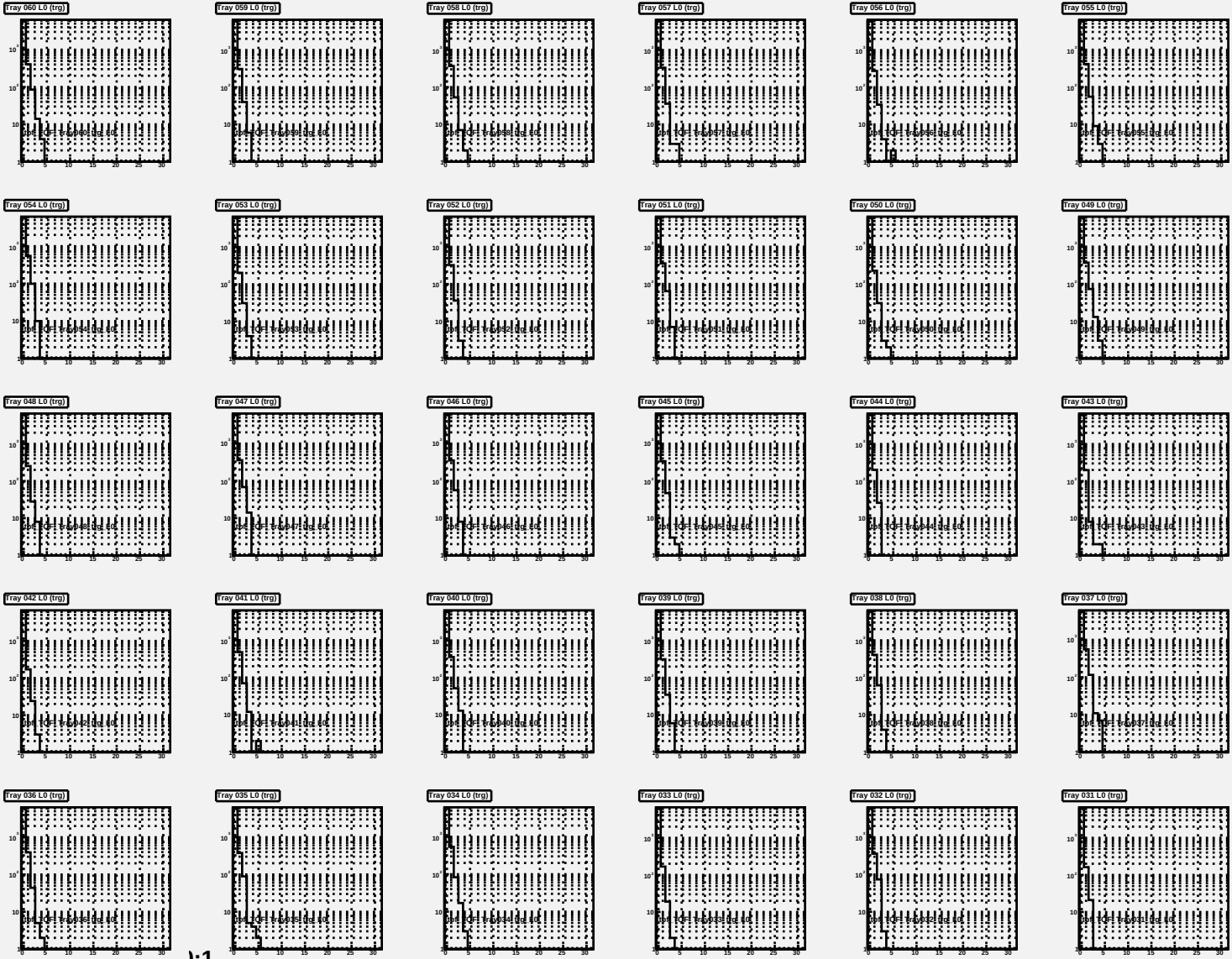
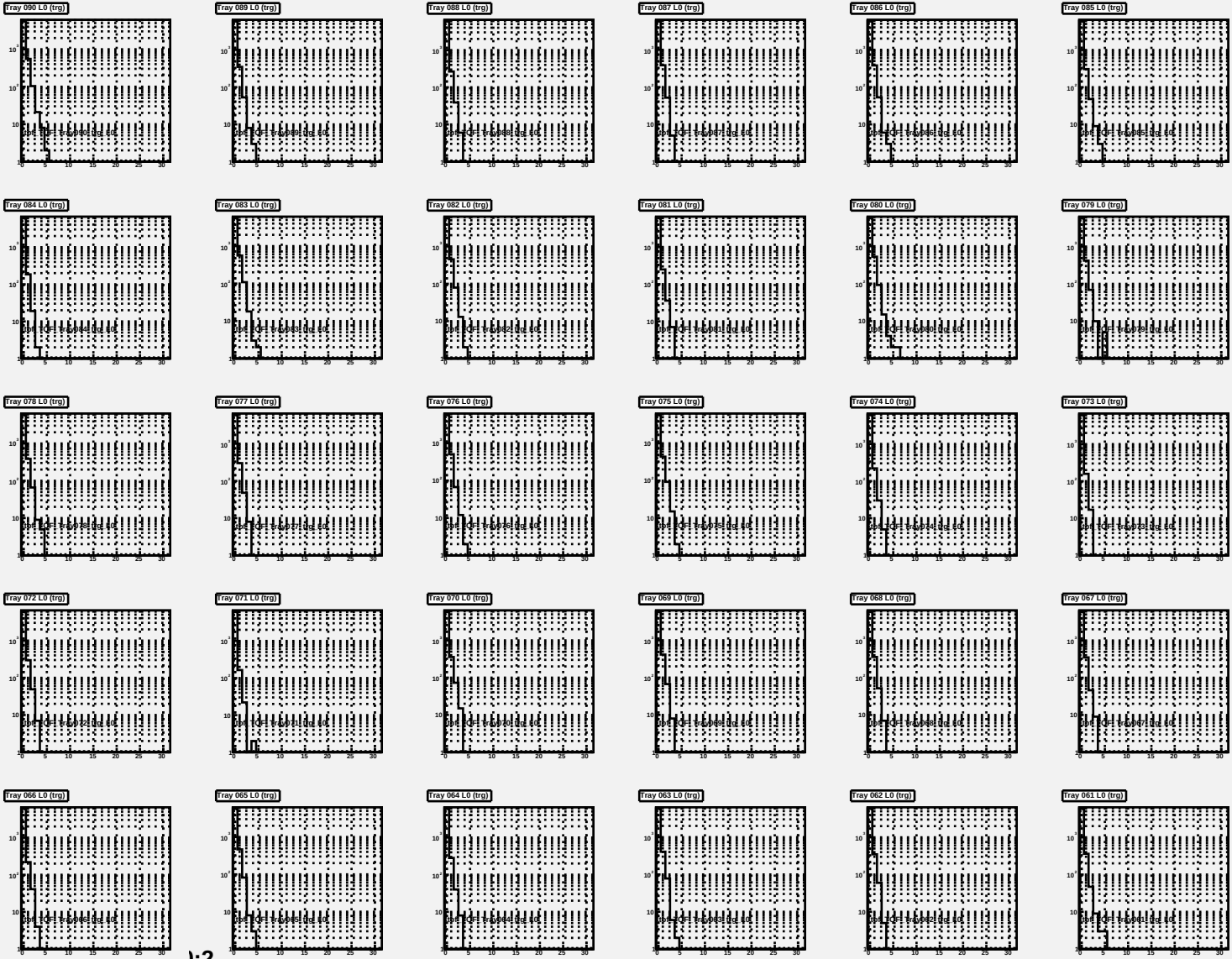

TOF_L1_vs_sumL0
TOF_L1_vs_sumL0
Entries 6218
Mean x 11.8
Mean y 17.41
RMS x 11.7
RMS y 14.14
SumL0 of hits
TOF L1 Mult
tof_TOF_L1_vs_sumL0

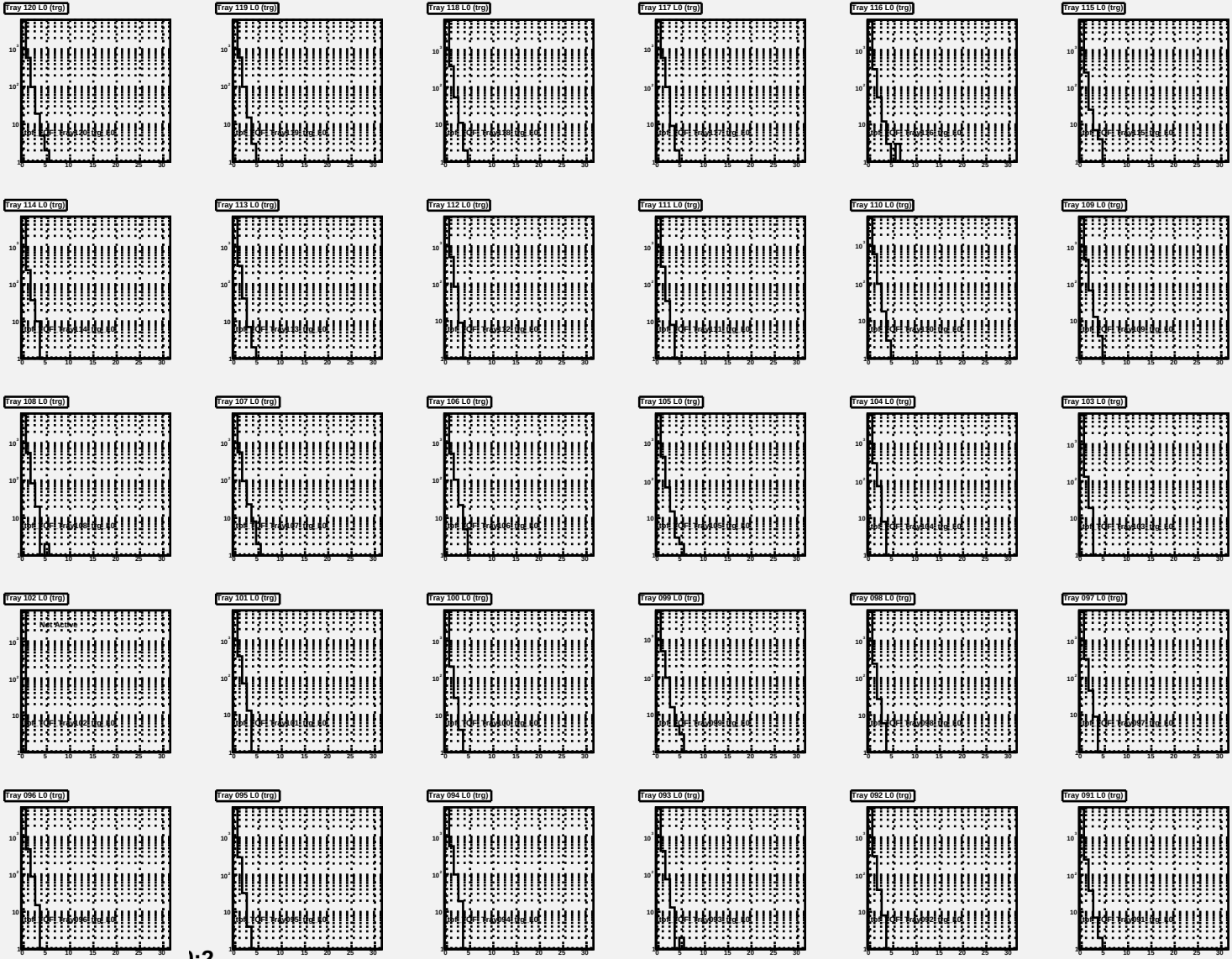

TOF_L1_vs_ZDCadcsum
TOF_L1_vs_ZDCadcsum
Entries 6218
Mean x 10.84
Mean y 13.5
RMS x 10.3
RMS y 29.99
ZDC hardware adc Sum
TOF L1 Mult
tof_TOF_L1_vs_ZDCadcsum


Tray 030 L0 (trg)
Tray 029 L0 (trg)
Tray 028 L0 (trg)
Tray 027 L0 (trg)
Tray 026 L0 (trg)
Tray 025 L0 (trg)
Tray 024 L0 (trg)
Tray 023 L0 (trg)
Tray 022 L0 (trg)
Tray 021 L0 (trg)
Tray 020 L0 (trg)
Tray 019 L0 (trg)
Tray 018 L0 (trg)
Tray 017 L0 (trg)
Tray 016 L0 (trg)
Tray 015 L0 (trg)
Tray 014 L0 (trg)
Tray 013 L0 (trg)
Tray 012 L0 (trg)
Tray 011 L0 (trg)
Tray 010 L0 (trg)
Not Active
Tray 009 L0 (trg)
Tray 008 L0 (trg)
Tray 007 L0 (trg)
Tray 006 L0 (trg)
Tray 005 L0 (trg)
Tray 004 L0 (trg)
Tray 003 L0 (trg)
Tray 002 L0 (trg)
Tray 001 L0 (trg)

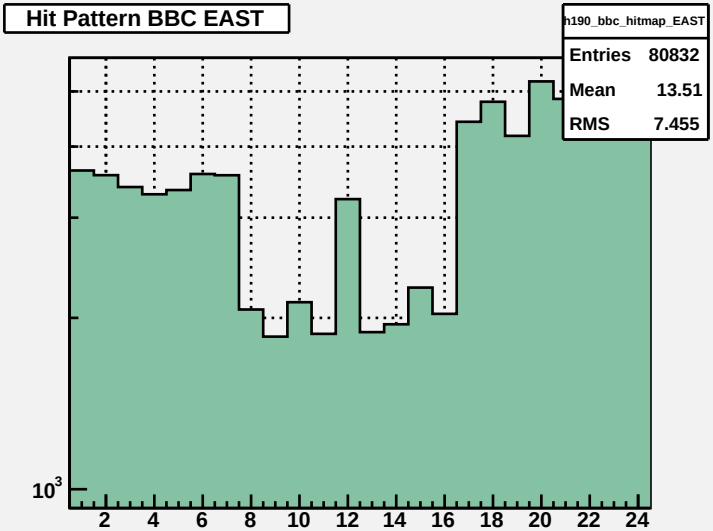

Tray 060 L0 (trg)
Tray 059 L0 (trg)
Tray 058 L0 (trg)
Tray 057 L0 (trg)
Tray 056 L0 (trg)
Tray 055 L0 (trg)
Tray 054 L0 (trg)
Tray 053 L0 (trg)
Tray 052 L0 (trg)
Tray 051 L0 (trg)
Tray 050 L0 (trg)
Tray 049 L0 (trg)
Tray 048 L0 (trg)
Tray 047 L0 (trg)
Tray 046 L0 (trg)
Tray 045 L0 (trg)
Tray 044 L0 (trg)
Tray 043 L0 (trg)
Tray 042 L0 (trg)
Tray 041 L0 (trg)
Tray 040 L0 (trg)
Tray 039 L0 (trg)
Tray 038 L0 (trg)
Tray 037 L0 (trg)
Tray 036 L0 (trg)
Tray 035 L0 (trg)
Tray 034 L0 (trg)
Tray 033 L0 (trg)
Tray 032 L0 (trg)
Tray 031 L0 (trg)

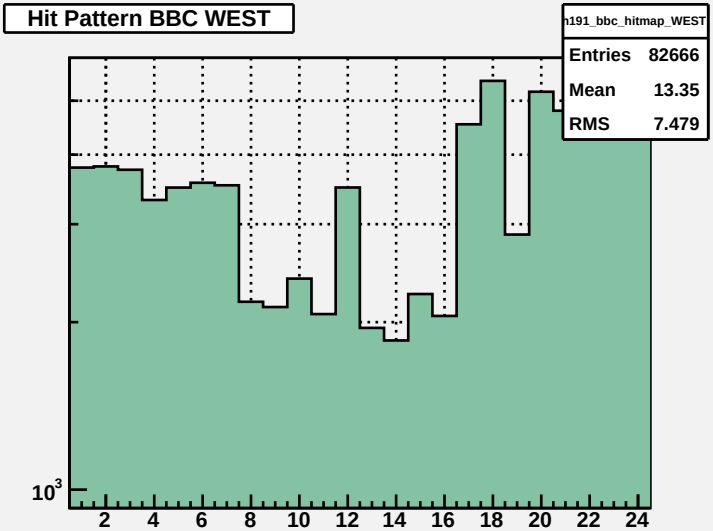
):1

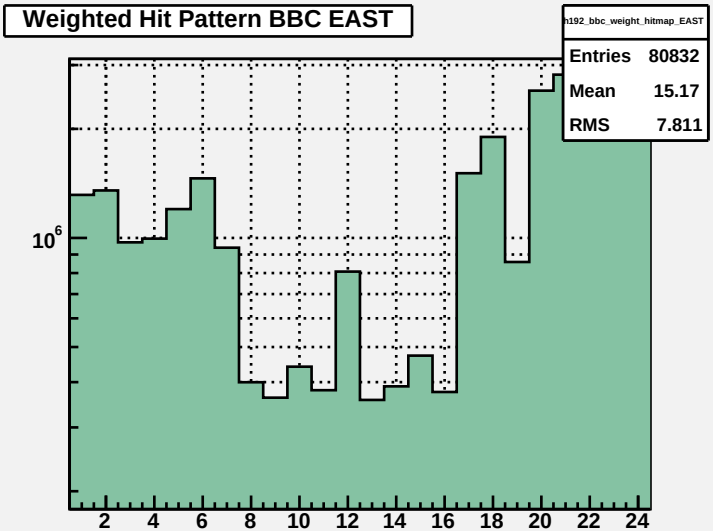

Tray 090 L0 (trg)
Tray 089 L0 (trg)
Tray 088 L0 (trg)
Tray 087 L0 (trg)
Tray 086 L0 (trg)
Tray 085 L0 (trg)
Tray 084 L0 (trg)
Tray 083 L0 (trg)
Tray 082 L0 (trg)
Tray 081 L0 (trg)
Tray 080 L0 (trg)
Tray 079 L0 (trg)
Tray 078 L0 (trg)
Tray 077 L0 (trg)
Tray 076 L0 (trg)
Tray 075 L0 (trg)
Tray 074 L0 (trg)
Tray 073 L0 (trg)
Tray 072 L0 (trg)
Tray 071 L0 (trg)
Tray 070 L0 (trg)
Tray 069 L0 (trg)
Tray 068 L0 (trg)
Tray 067 L0 (trg)
Tray 066 L0 (trg)
Tray 065 L0 (trg)
Tray 064 L0 (trg)
Tray 063 L0 (trg)
Tray 062 L0 (trg)
Tray 061 L0 (trg)

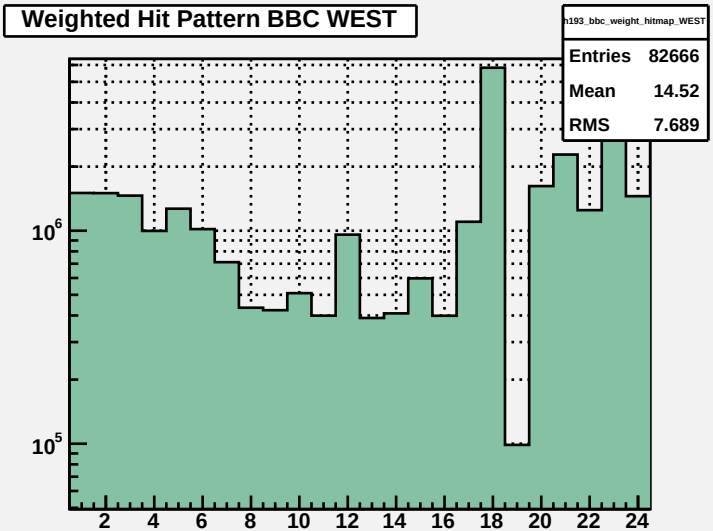

Tray 120 L0 (trg)
Tray 119 L0 (trg)
Tray 118 L0 (trg)
Tray 117 L0 (trg)
Tray 116 L0 (trg)
Tray 115 L0 (trg)
Tray 114 L0 (trg)
Tray 113 L0 (trg)
Tray 112 L0 (trg)
Tray 111 L0 (trg)
Tray 110 L0 (trg)
Tray 109 L0 (trg)
Tray 108 L0 (trg)
Tray 107 L0 (trg)
Tray 106 L0 (trg)
Tray 105 L0 (trg)
Tray 104 L0 (trg)
Tray 103 L0 (trg)
Tray 102 L0 (trg)
Not Active
Tray 101 L0 (trg)
Tray 100 L0 (trg)
Tray 099 L0 (trg)
Tray 098 L0 (trg)
Tray 097 L0 (trg)
Tray 096 L0 (trg)
Tray 095 L0 (trg)
Tray 094 L0 (trg)
Tray 093 L0 (trg)
Tray 092 L0 (trg)
Tray 091 L0 (trg)

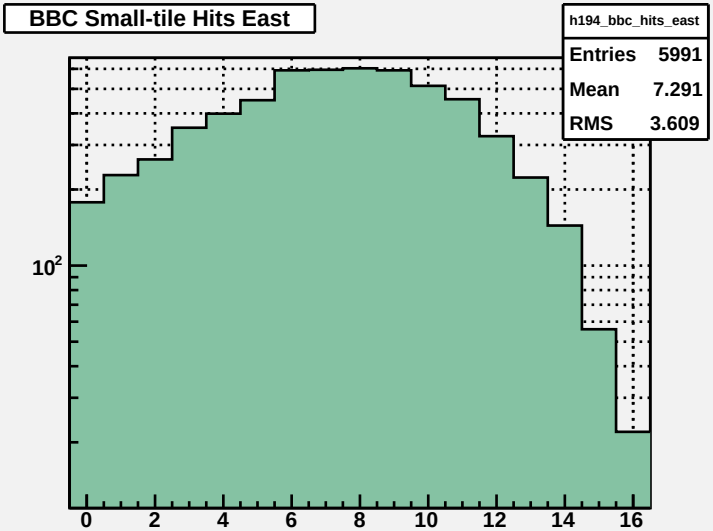
):2

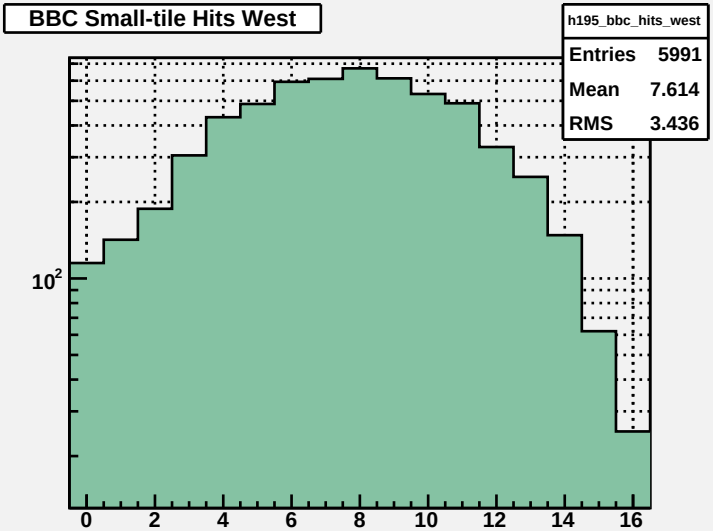

Hit Pattern BBC EAST
h190_bbc_hitmap_EAST
Entries 80832
Mean 13.51
RMS 7.455
10^3
2 4 6 8 10 12 14 16 18 20 22 24

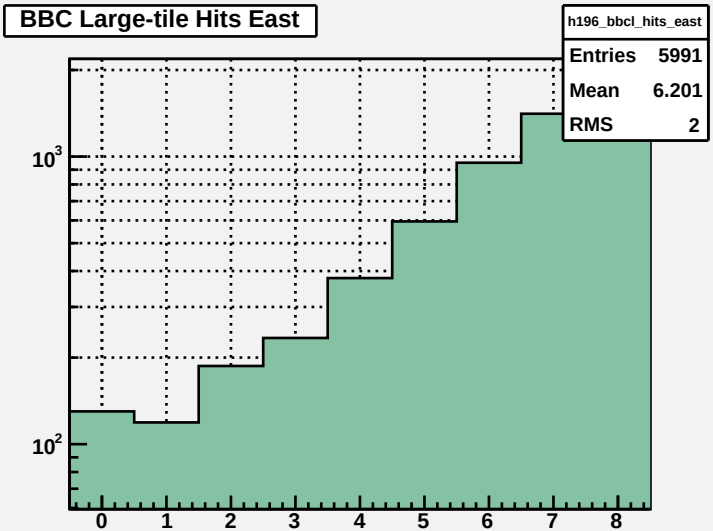

Hit Pattern BBC WEST
h191_bbc_hitmap_WEST
Entries 82666
Mean 13.35
RMS 7.479
10^3
2 4 6 8 10 12 14 16 18 20 22 24

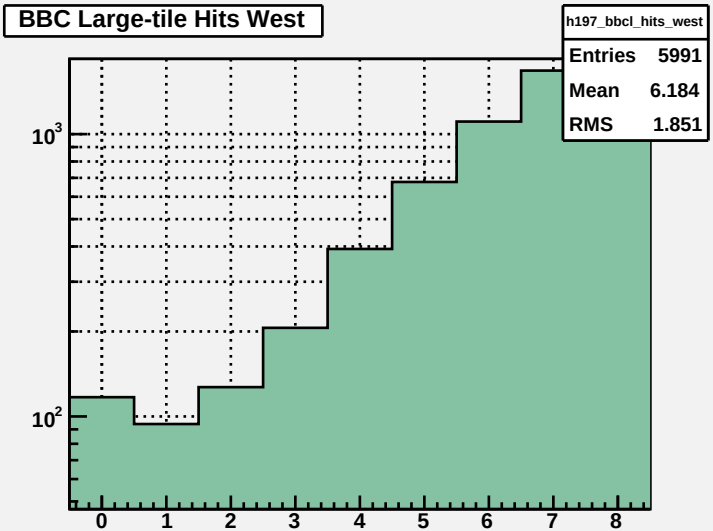

Weighted Hit Pattern BBC EAST
h192_bbc_weight_hitmap_EAST
Entries 80832
Mean 15.17
RMS 7.811
10^6
2 4 6 8 10 12 14 16 18 20 22 24

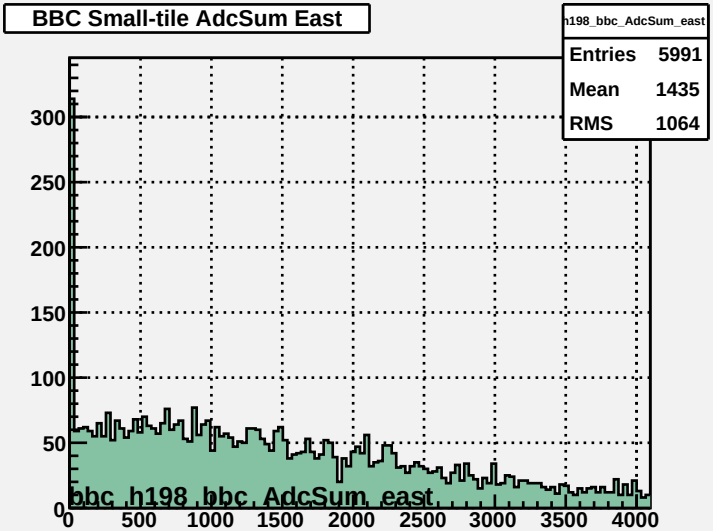

Weighted Hit Pattern BBC WEST
h193_bbc_weight_hitmap_WEST
Entries 82666
Mean 14.52
RMS 7.689
10^6
10^5
2 4 6 8 10 12 14 16 18 20 22 24

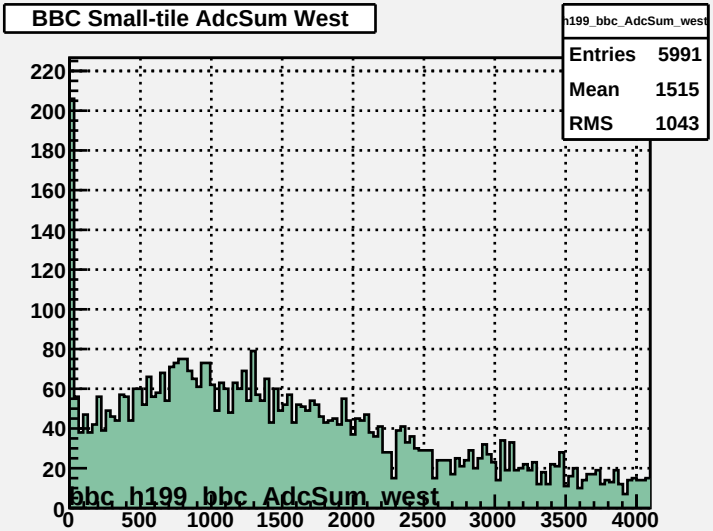

BBC Small-tile Hits East
h194_bbc_hits_east
Entries 5991
Mean 7.291
RMS 3.609
10^2
0 2 4 6 8 10 12 14 16

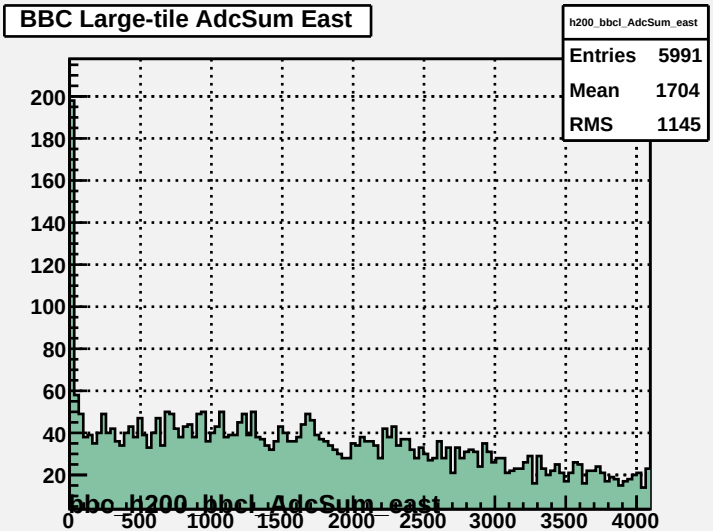

BBC Small-tile Hits West
h195_bbc_hits_west
Entries 5991
Mean 7.614
RMS 3.436
10^2
0 2 4 6 8 10 12 14 16

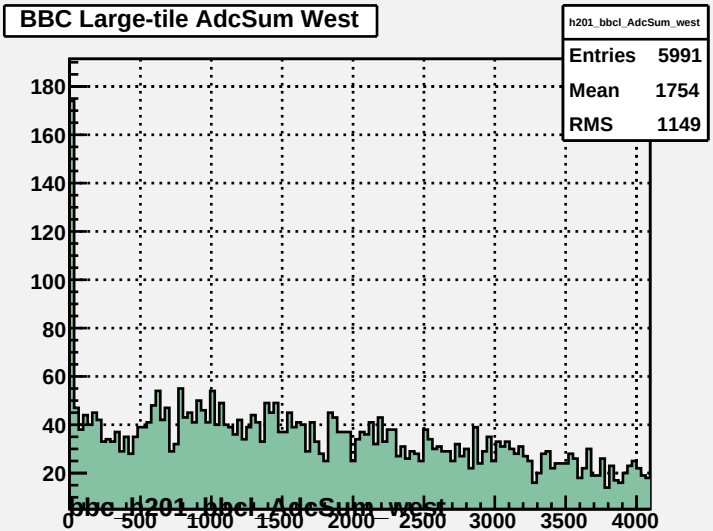

BBC Large-tile Hits East
h196_bbcl_hits_east
Entries 5991
Mean 6.201
RMS 2
10^3
10^2
0 1 2 3 4 5 6 7 8

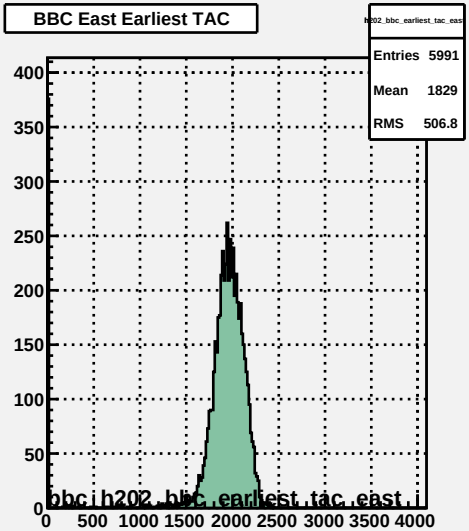

BBC Large-tile Hits West
h197_bbcl_hits_west
Entries 5991
Mean 6.184
RMS 1.851
10^3
10^2
0 1 2 3 4 5 6 7 8

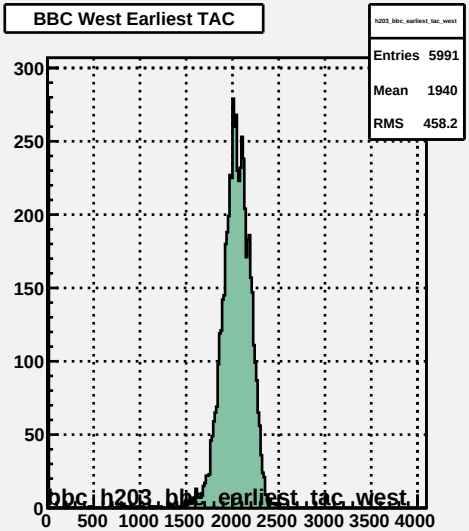

BBC Small-tile AdcSum East
h198_bbc_AdcSum_east
Entries 5991
Mean 1435
RMS 1064
bbc_h198_bbc_AdcSum_east

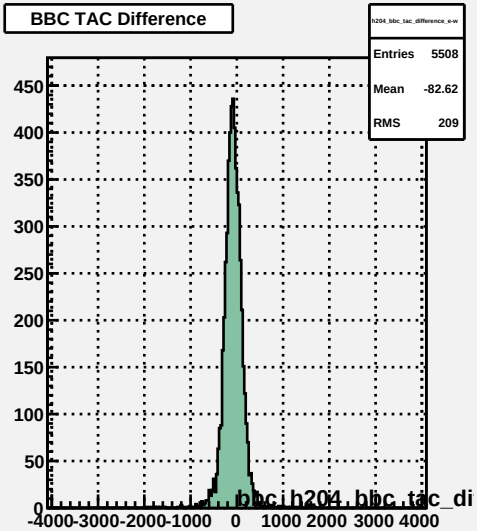

BBC Small-tile AdcSum West
h199_bbc_AdcSum_west
Entries 5991
Mean 1515
RMS 1043
bbc_h199_bbc_AdcSum_west

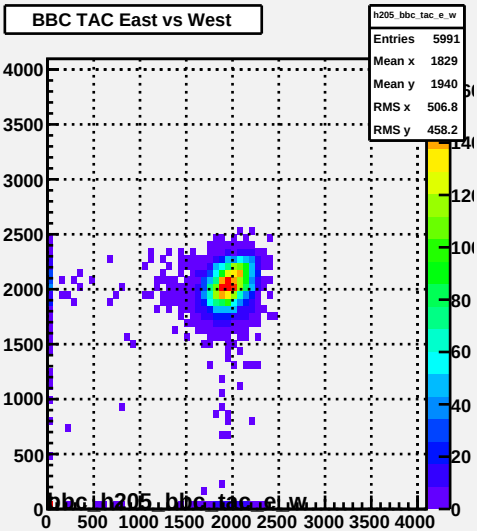

BBC Large-tile AdcSum East
h200_bbcl_AdcSum_east
Entries 5991
Mean 1704
RMS 1145
bbc_h200_bbcl_AdcSum_east

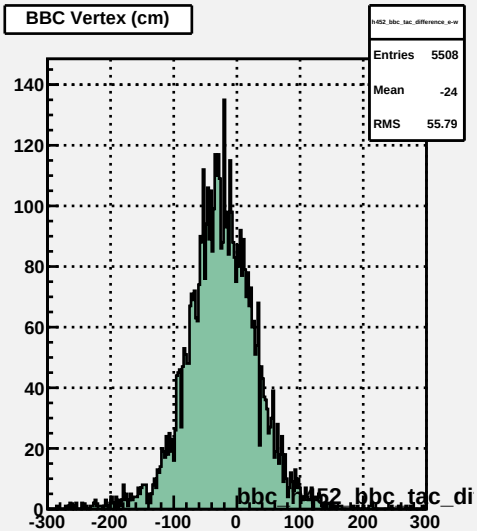

BBC Large-tile AdcSum West
h201_bbcl_AdcSum_west
Entries 5991
Mean 1754
RMS 1149
bbc_h201_bbcl_AdcSum_west

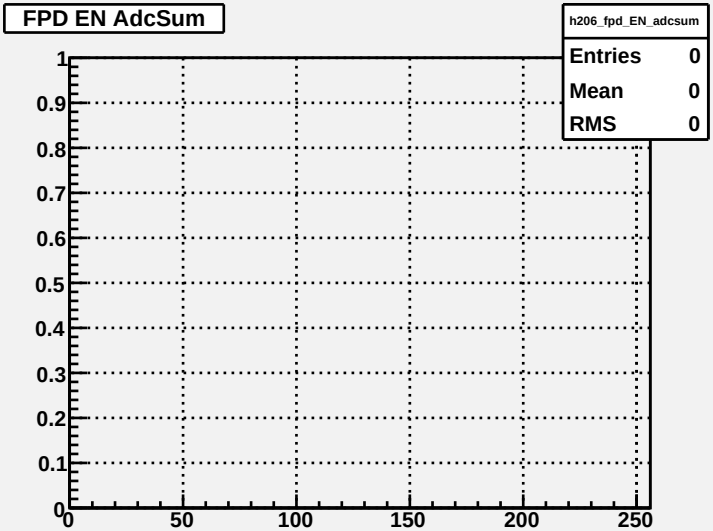

BBC East Earliest TAC
h202_bbc_earliest_tac_east
Entries 5991
Mean 1829
RMS 506.8
bbc_h202_bbc_earliest_tac_east

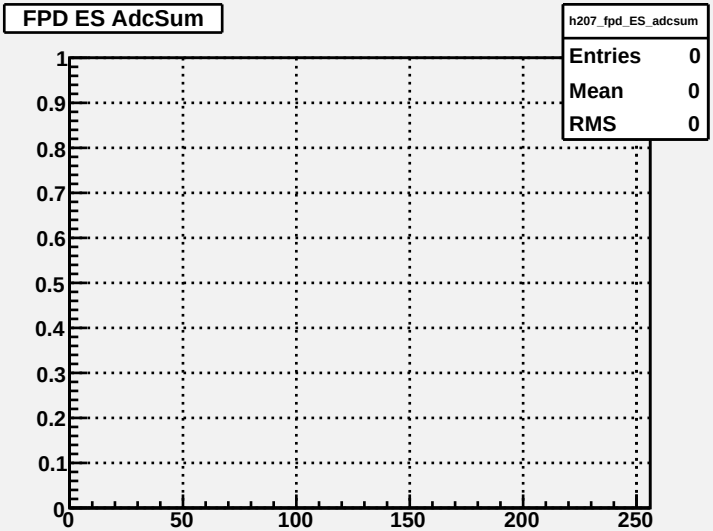

BBC West Earliest TAC
h203_bbc_earliest_tac_west
Entries 5991
Mean 1940
RMS 458.2
bbc_h203_bbc_earliest_tac_west

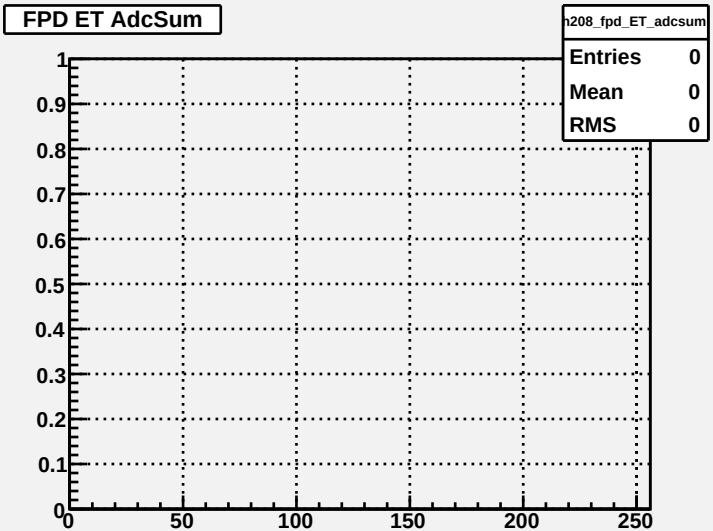

BBC TAC Difference
h204_bbc_tac_difference_e-w
Entries 5508
Mean -82.62
RMS 209
bbc_h204_bbc_tac_di

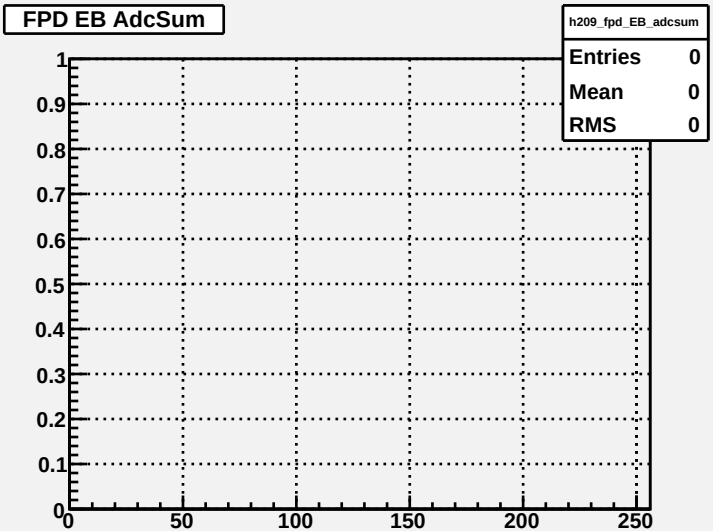

BBC TAC East vs West
h205_bbc_tac_e_w
Entries 5991
Mean x 1829
Mean y 1940
RMS x 506.8
RMS y 458.2
bbc_h205_bbc_tac_e_w

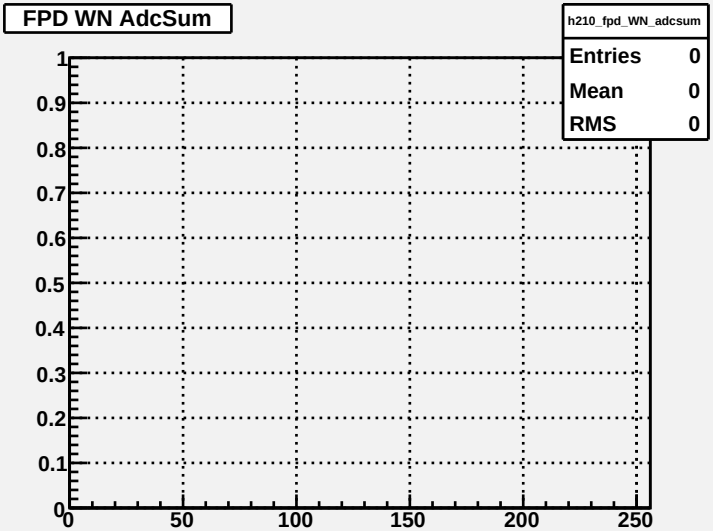

BBC Vertex (cm)
h452_bbc_tac_difference_e-w
Entries 5508
Mean -24
RMS 55.79
bbc_h452_bbc_tac_di

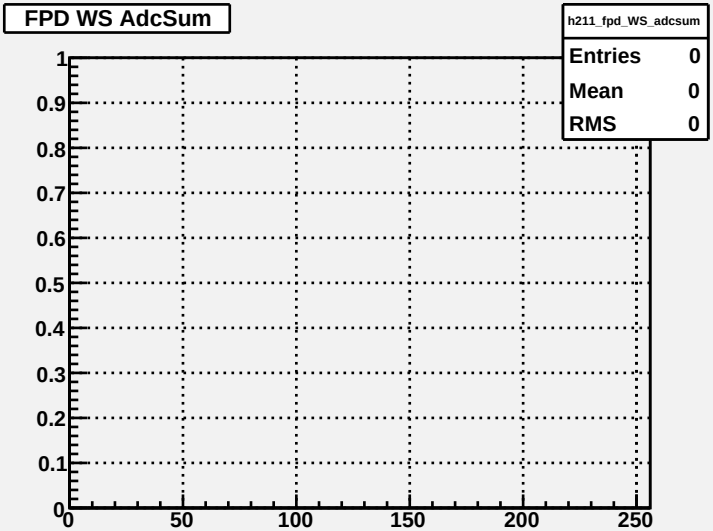

FPD EN AdcSum
h206_fpd_EN_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

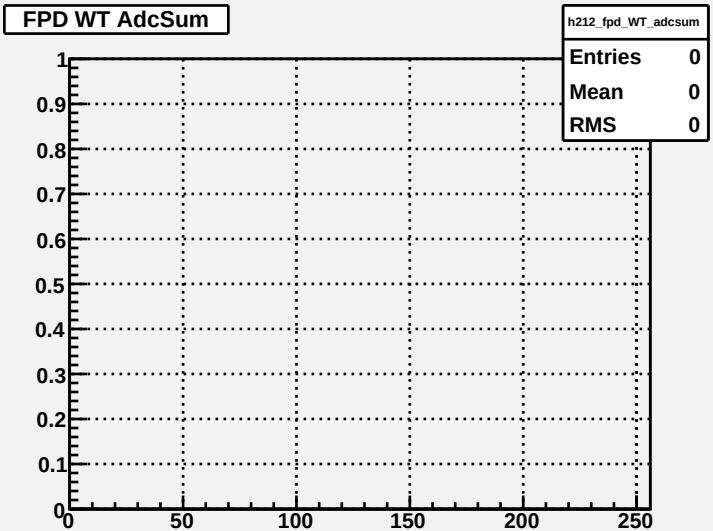

FPD ES AdcSum
h207_fpd_ES_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

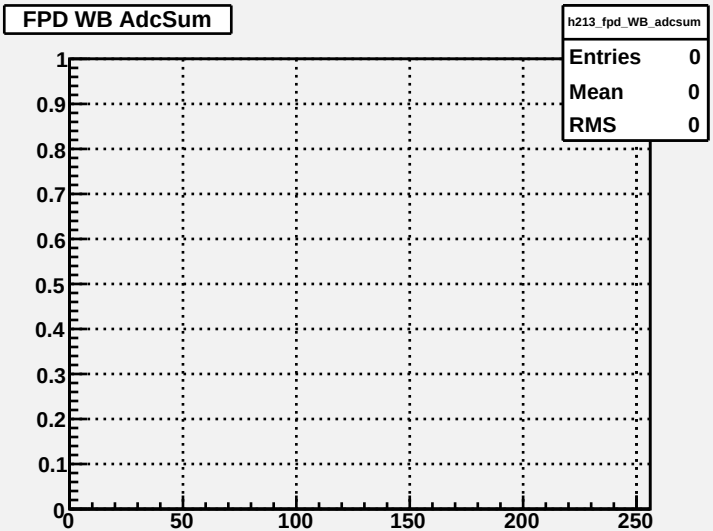

FPD ET AdcSum
h208_fpd_ET_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

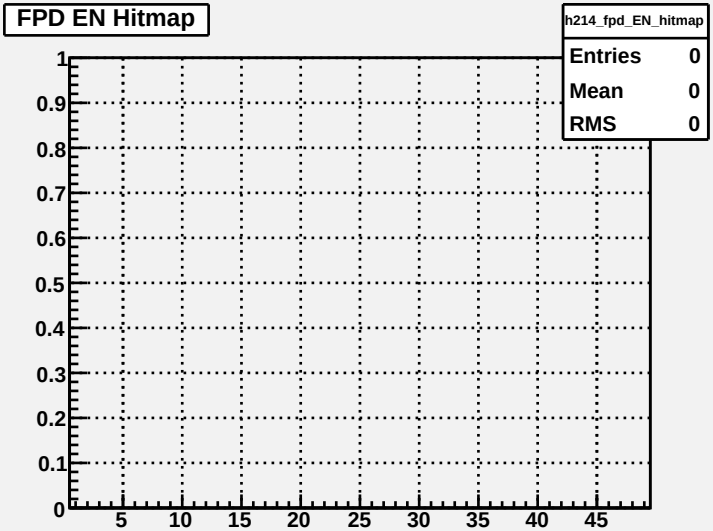

FPD EB AdcSum
h209_fpd_EB_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

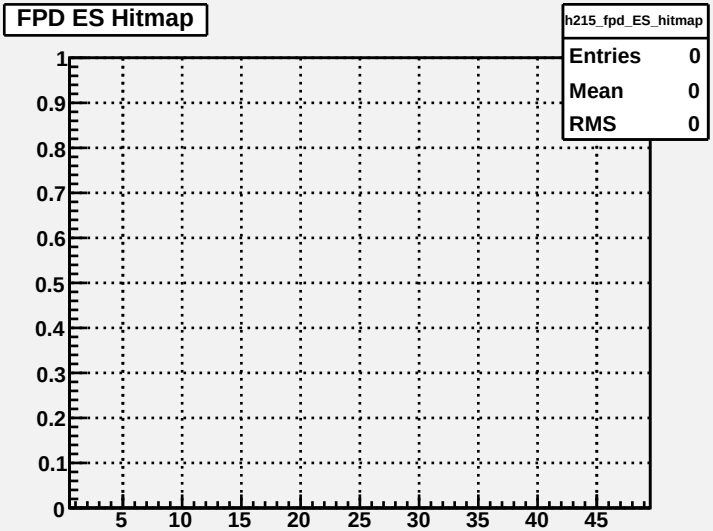

FPD WN AdcSum
h210_fpd_WN_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

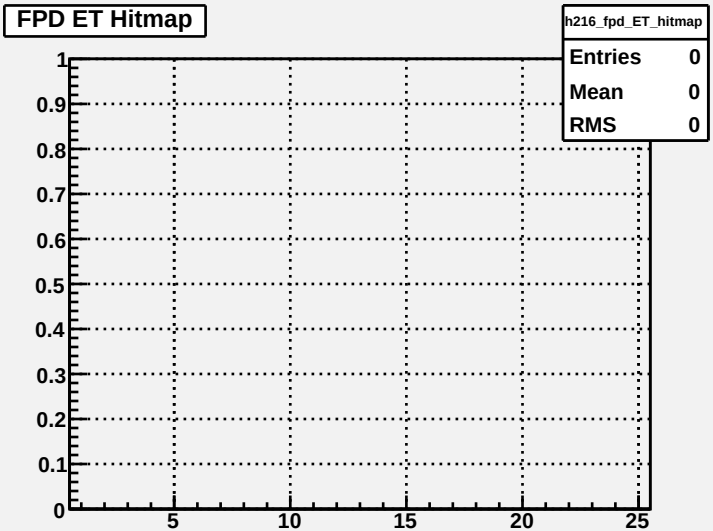

FPD WS AdcSum
h211_fpd_WS_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

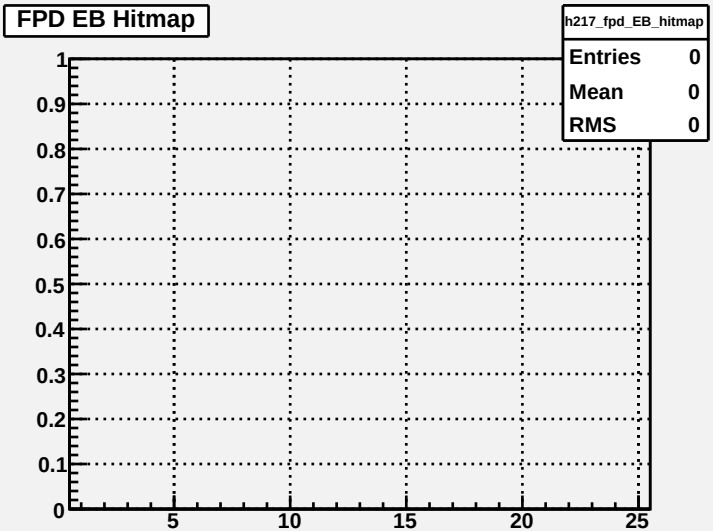

FPD WT AdcSum
h212_fpd_WT_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

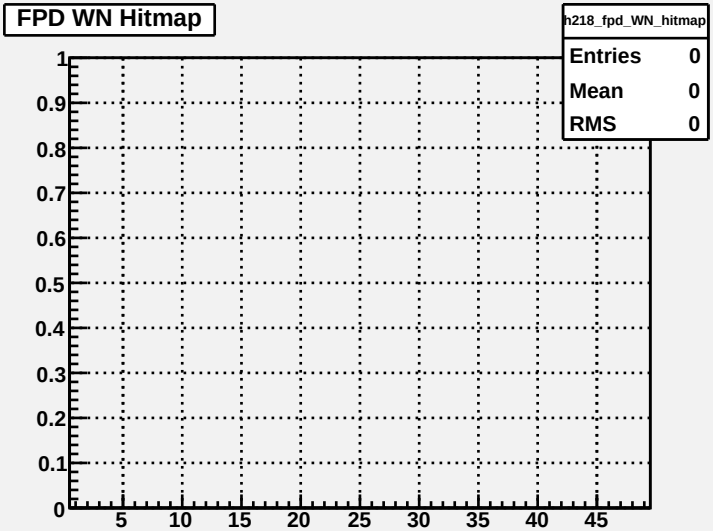

FPD WB AdcSum
h213_fpd_WB_adcsum
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250

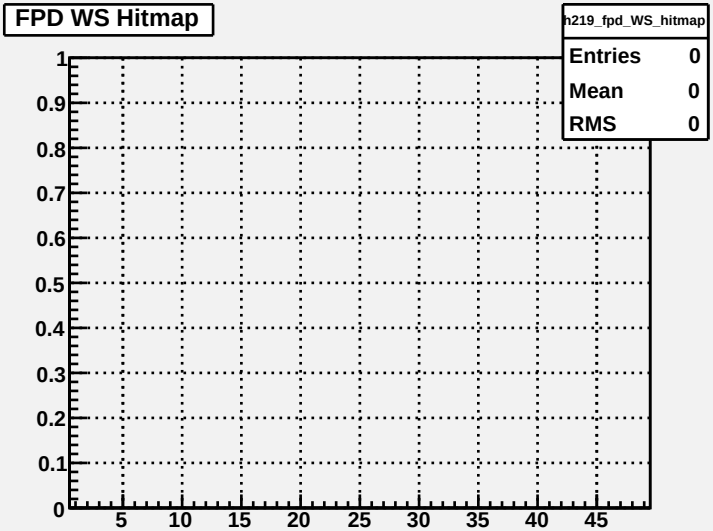

FPD EN Hitmap
h214_fpd_EN_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25
30
35
40
45

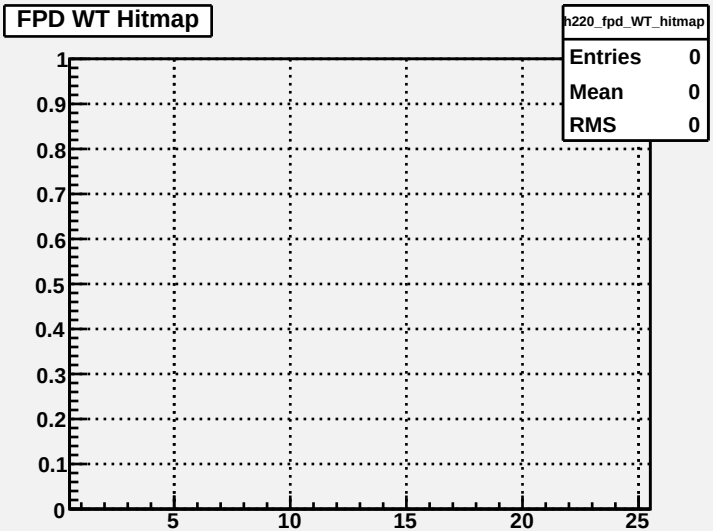

FPD ES Hitmap
h215_fpd_ES_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25
30
35
40
45

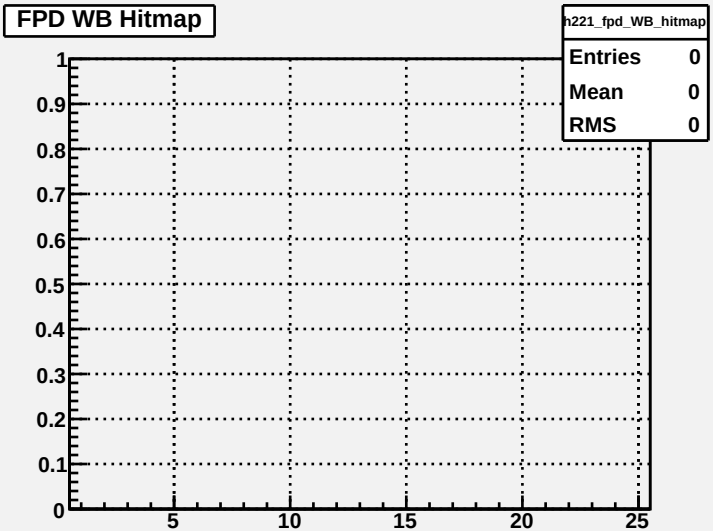

FPD ET Hitmap
h216_fpd_ET_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25

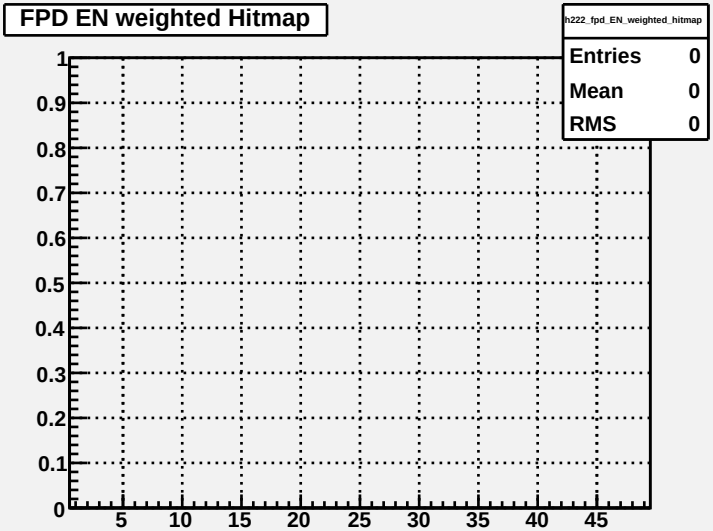

FPD EB Hitmap
h217_fpd_EB_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25

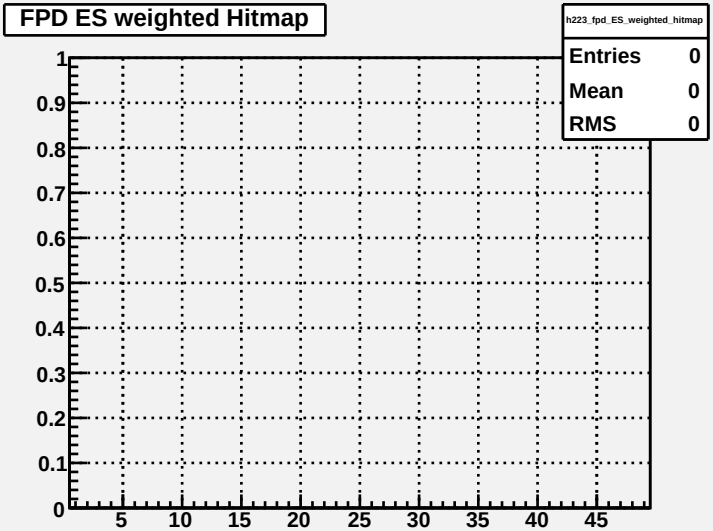

FPD WN Hitmap
h218_fpd_WN_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25
30
35
40
45

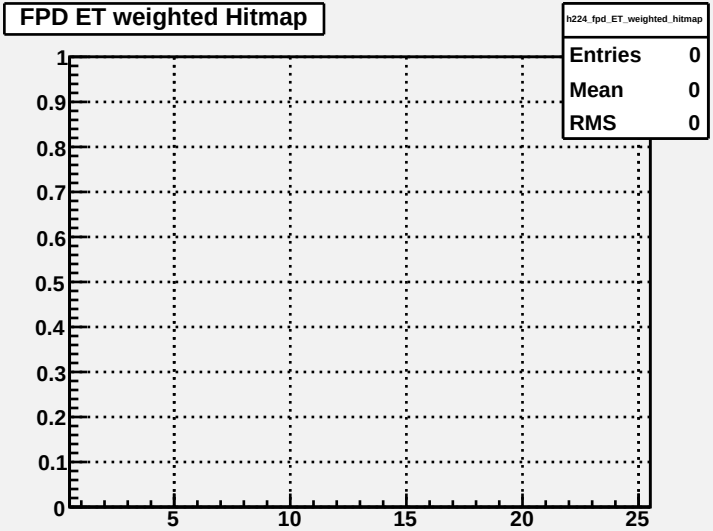

FPD WS Hitmap
h219_fpd_WS_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25
30
35
40
45

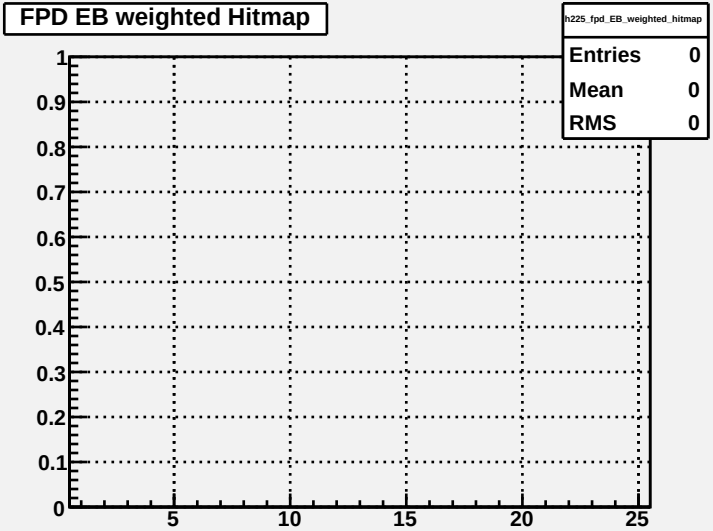

FPD WT Hitmap
h220_fpd_WT_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25

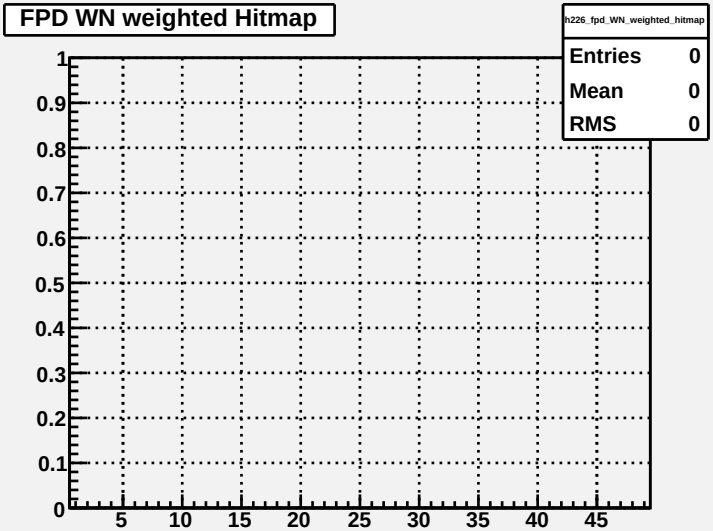

FPD WB Hitmap
h221_fpd_WB_hitmap
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5
10
15
20
25

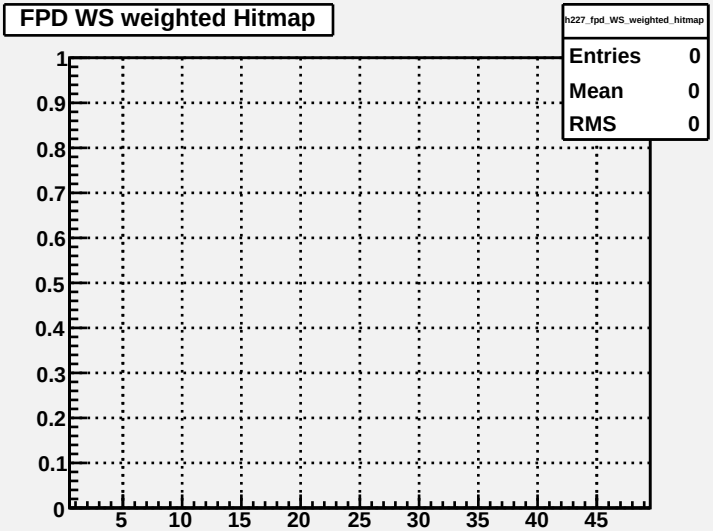

FPD EN weighted Hitmap
h222_fpd_EN_weighted_hitmap
Entries 0
Mean 0
RMS 0

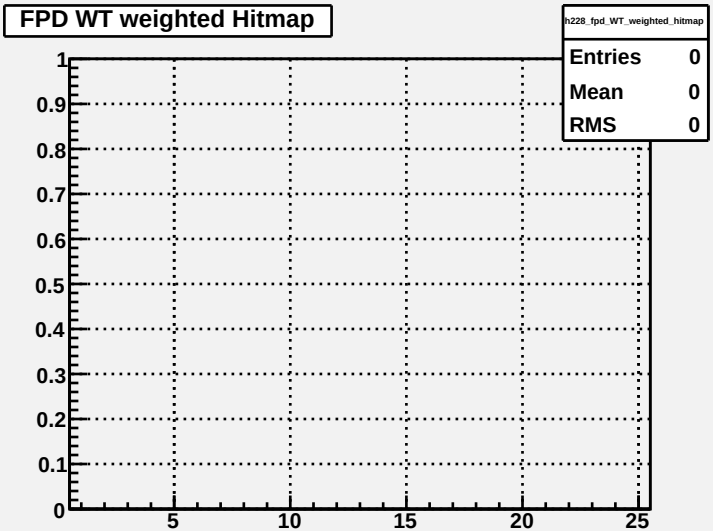

FPD ES weighted Hitmap
h223_fpd_ES_weighted_hitmap
Entries 0
Mean 0
RMS 0

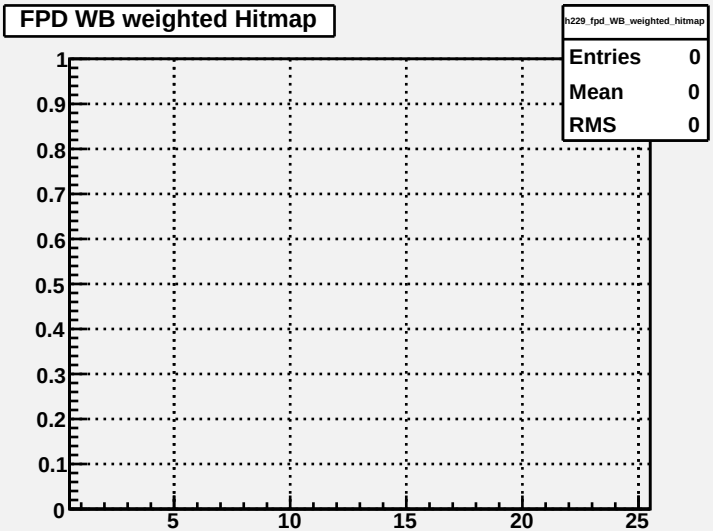

FPD ET weighted Hitmap
h224_fpd_ET_weighted_hitmap
Entries 0
Mean 0
RMS 0

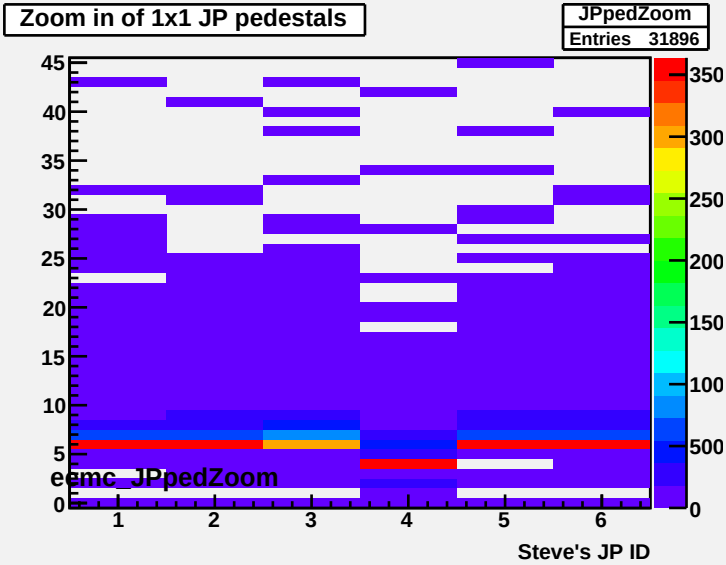

FPD EB weighted Hitmap
h225_fpd_EB_weighted_hitmap
Entries 0
Mean 0
RMS 0

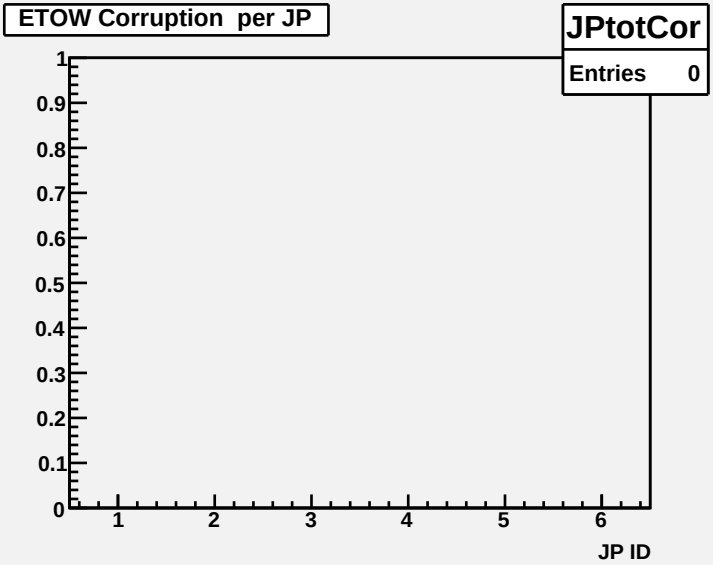

FPD WN weighted Hitmap
h226_fpd_WN_weighted_hitmap
Entries 0
Mean 0
RMS 0

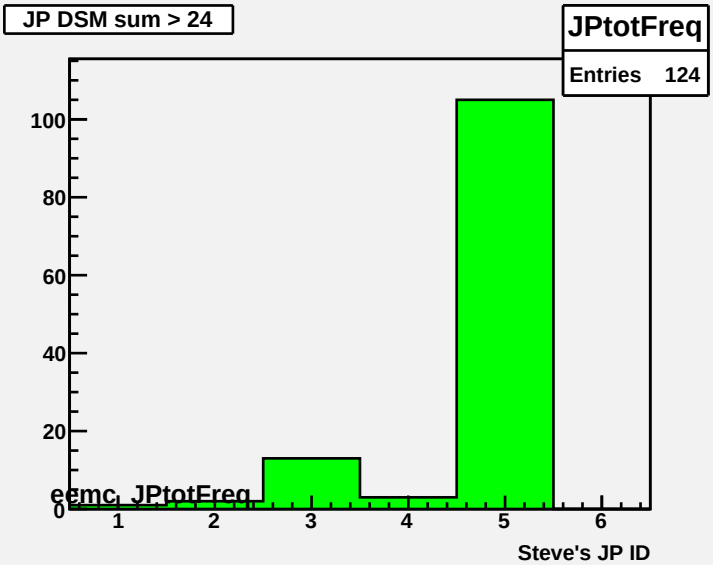

FPD WS weighted Hitmap
h227_fpd_WS_weighted_hitmap
Entries 0
Mean 0
RMS 0

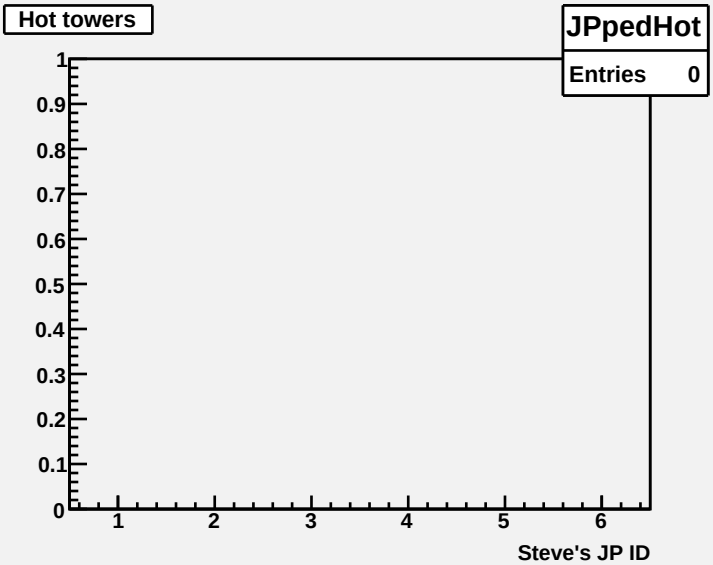

FPD WT weighted Hitmap
h228_fpd_WT_weighted_hitmap
Entries 0
Mean 0
RMS 0

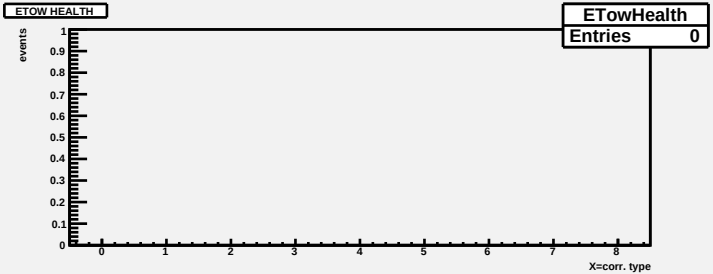

FPD WB weighted Hitmap
h229_fpd_WB_weighted_hitmap
Entries 0
Mean 0
RMS 0

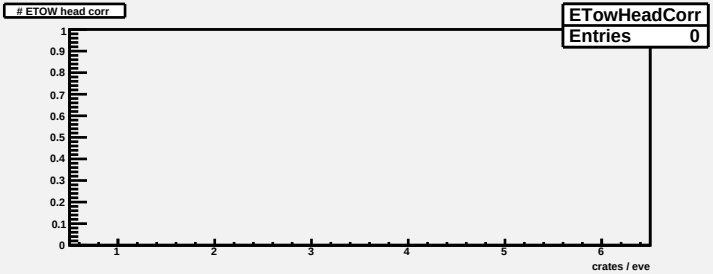

Zoom in of 1x1 JP pedestals
JPpedZoom
Entries 31896
eemc_JPpedZoom
Steve's JP ID

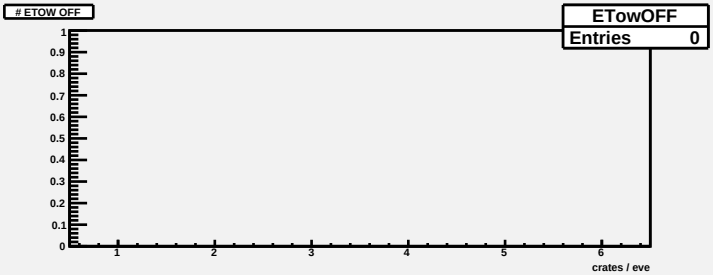

ETOW Corruption per JP
JPtotCor
Entries 0
JP ID

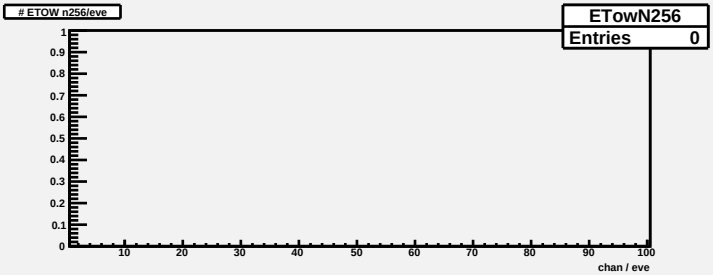

JP DSM sum > 24
JPtotFreq
Entries 124
eemc_JPtotFreq
Steve's JP ID

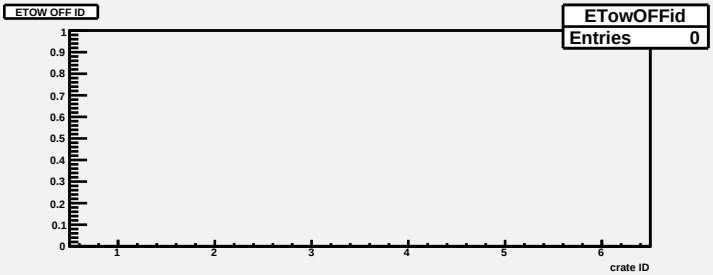

Hot towers
JPpedHot
Entries 0
Steve's JP ID

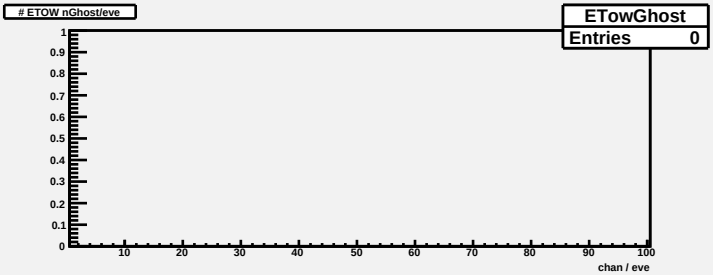

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

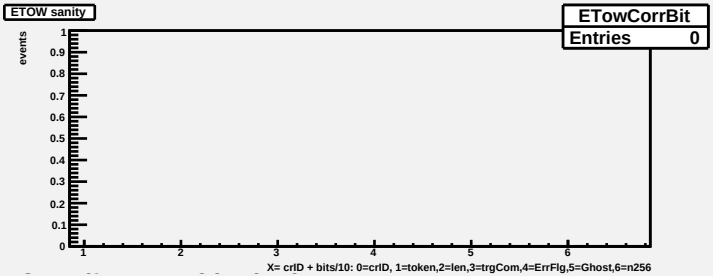

ETOW head corr
ETowHeadCorr
Entries 0
crates / eve

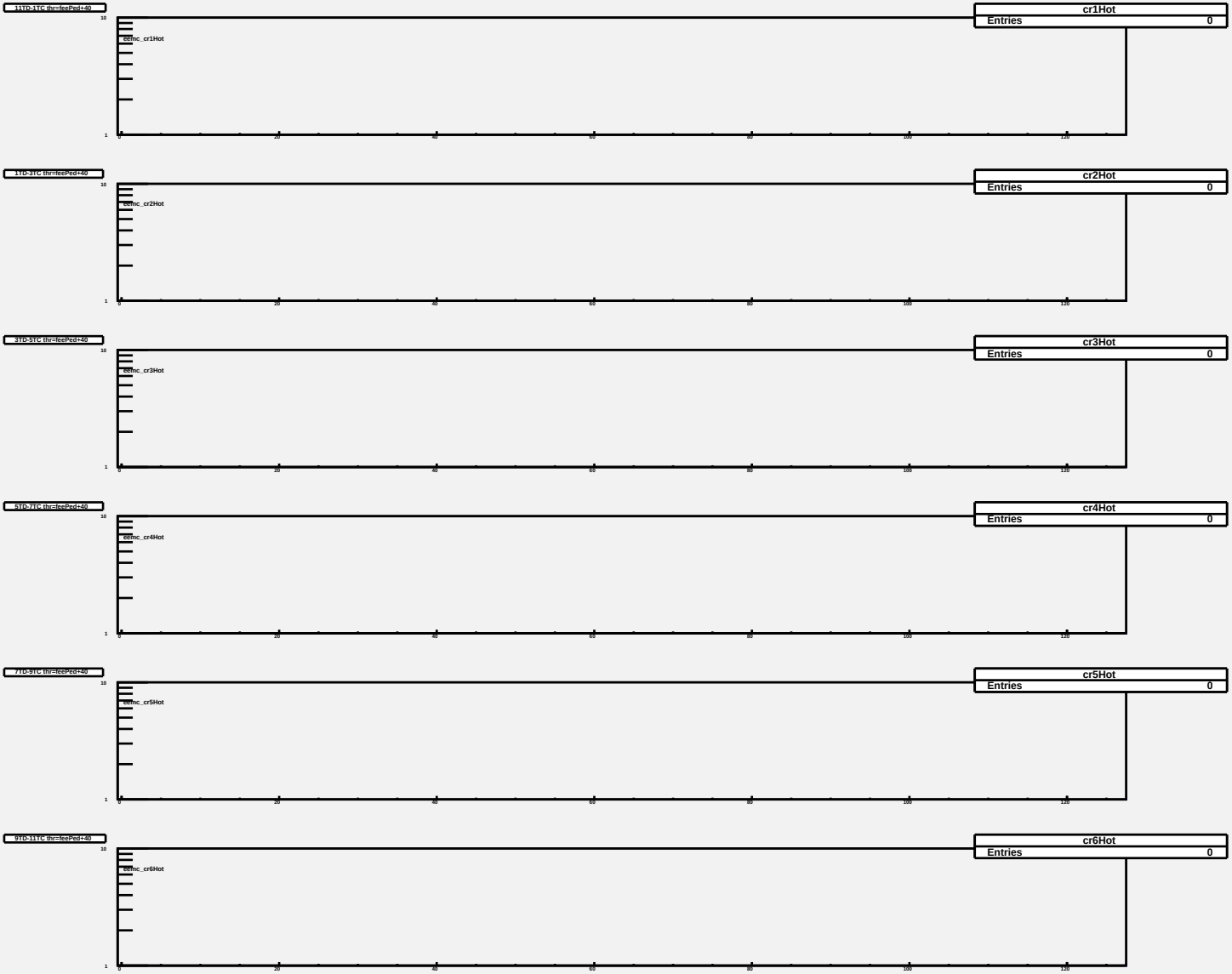

ETOW OFF
ETowOFF
Entries 0
crates / eve

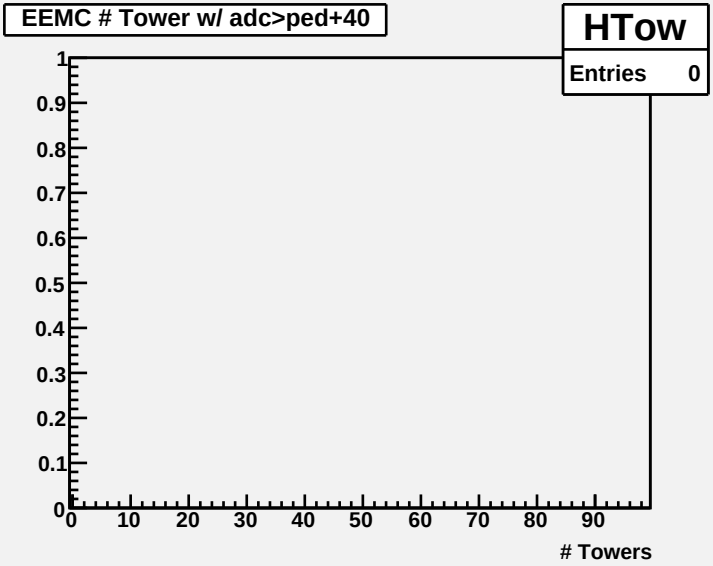

ETOW n256/eve
ETowN256
Entries 0
chan / eve

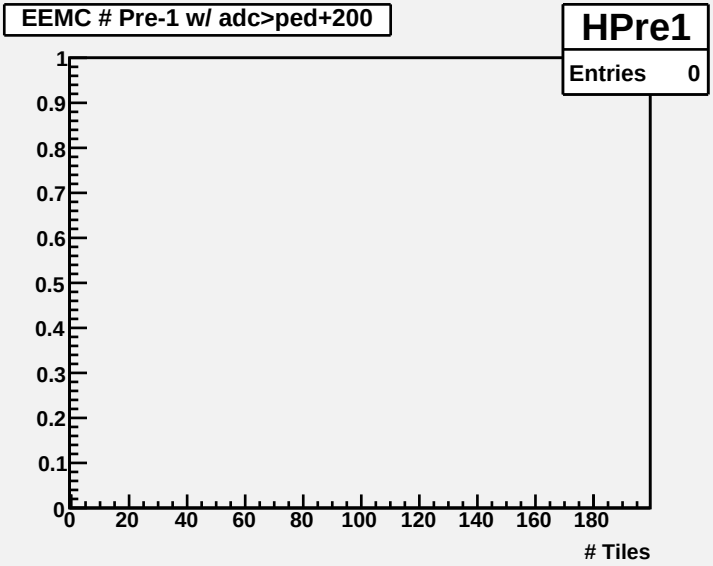

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

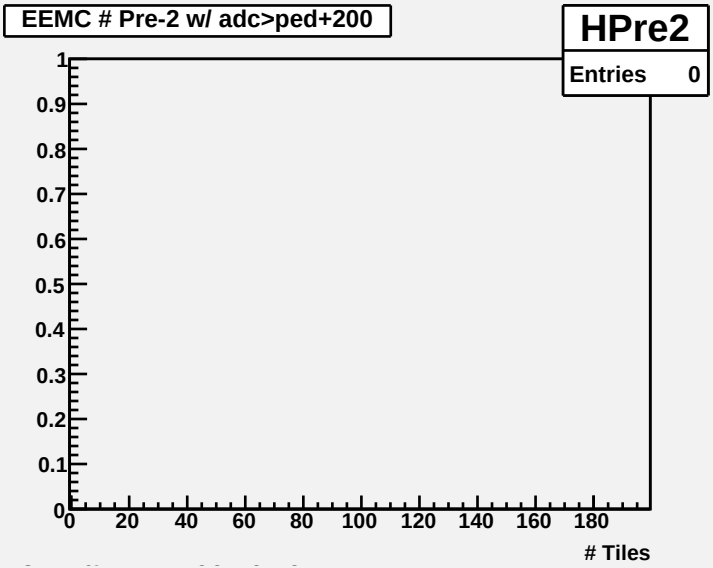

ETOW nGhost/eve
ETowGhost
Entries 0
chan / eve

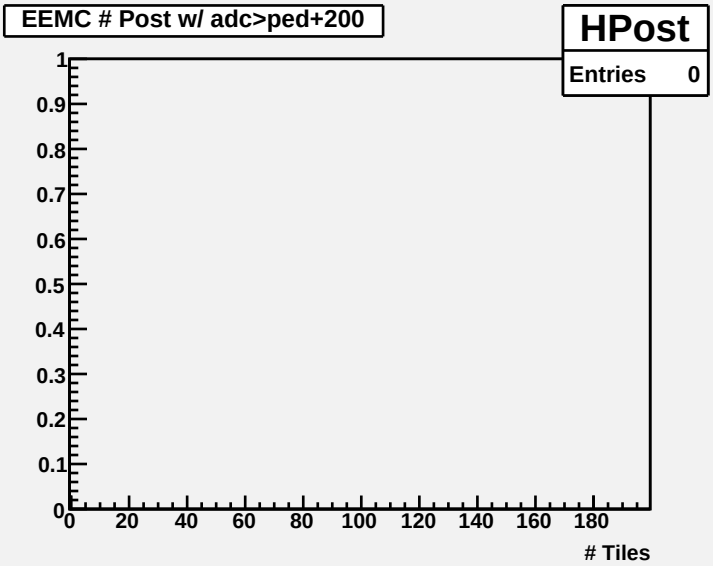

ETOW sanity
ETowCorrBit
Entries 0
events
X= crID + bits/10: 0=crID, 1=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

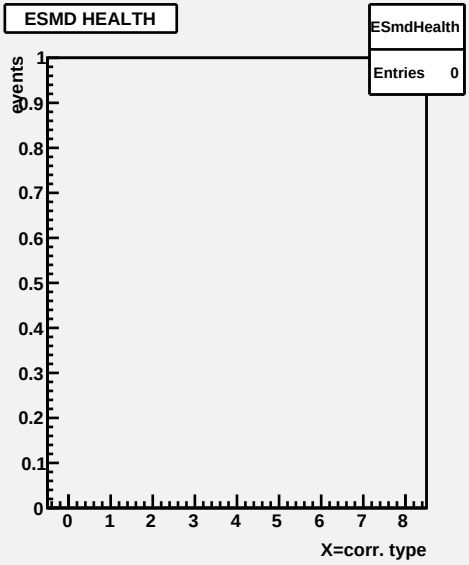

11TD-1TC thr=feePed+40
cr1Hot
Entries 0
eehc_cr1Hot
11TD-3TC thr=feePed+40
cr2Hot
Entries 0
eehc_cr2Hot
31TD-5TC thr=feePed+40
cr3Hot
Entries 0
eehc_cr3Hot
51TD-7TC thr=feePed+40
cr4Hot
Entries 0
eehc_cr4Hot
71TD-9TC thr=feePed+40
cr5Hot
Entries 0
eehc_cr5Hot
91TD-11TC thr=feePed+40
cr6Hot
Entries 0
eehc_cr6Hot

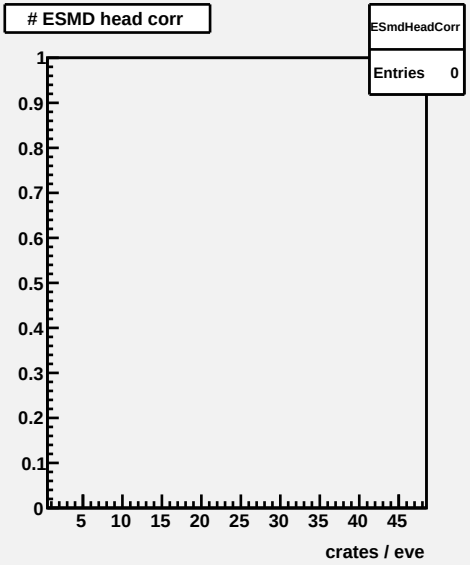

EEMC # Tower w/ adc>ped+40
HTow
Entries 0
Towers

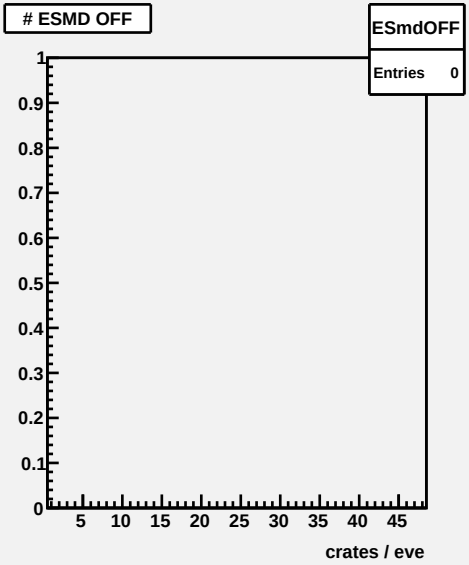

EEMC # Pre-1 w/ adc>ped+200
HPre1
Entries 0
Tiles

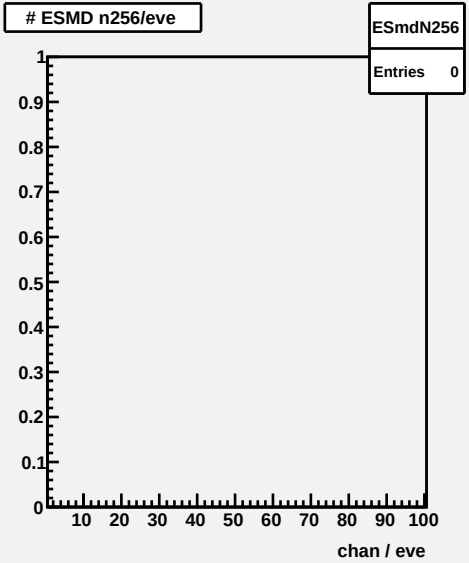

EEMC # Pre-2 w/ adc>ped+200
HPre2
Entries 0
Tiles

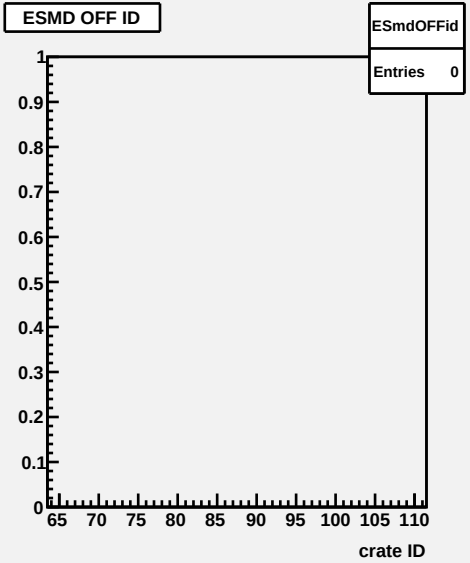

EEMC # Post w/ adc>ped+200
HPost
Entries 0
Tiles

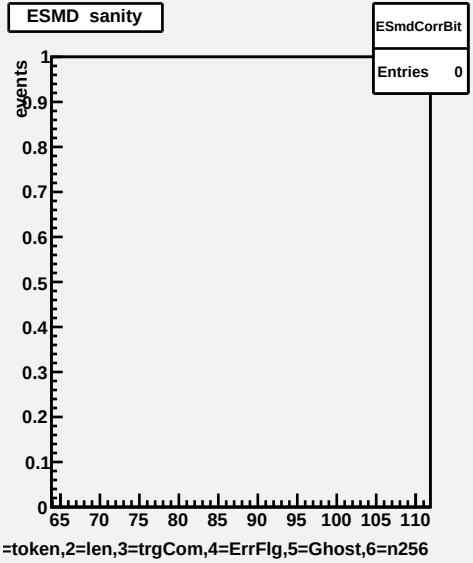

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

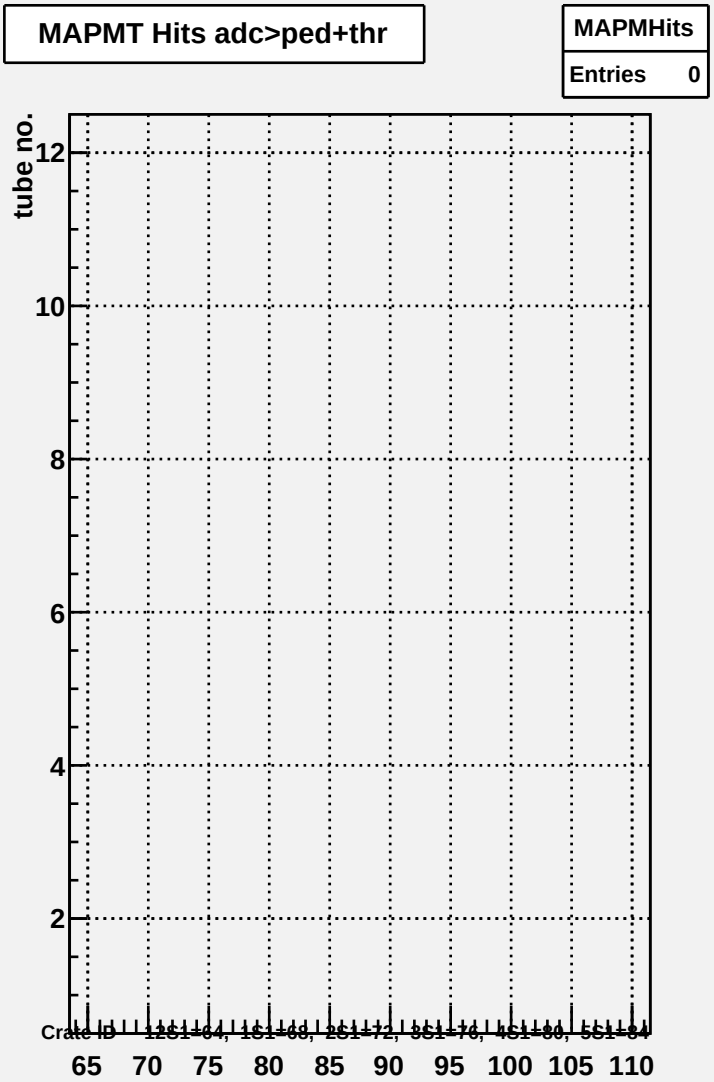

ESMD head corr
ESmdHeadCorr
Entries 0
crates / eve

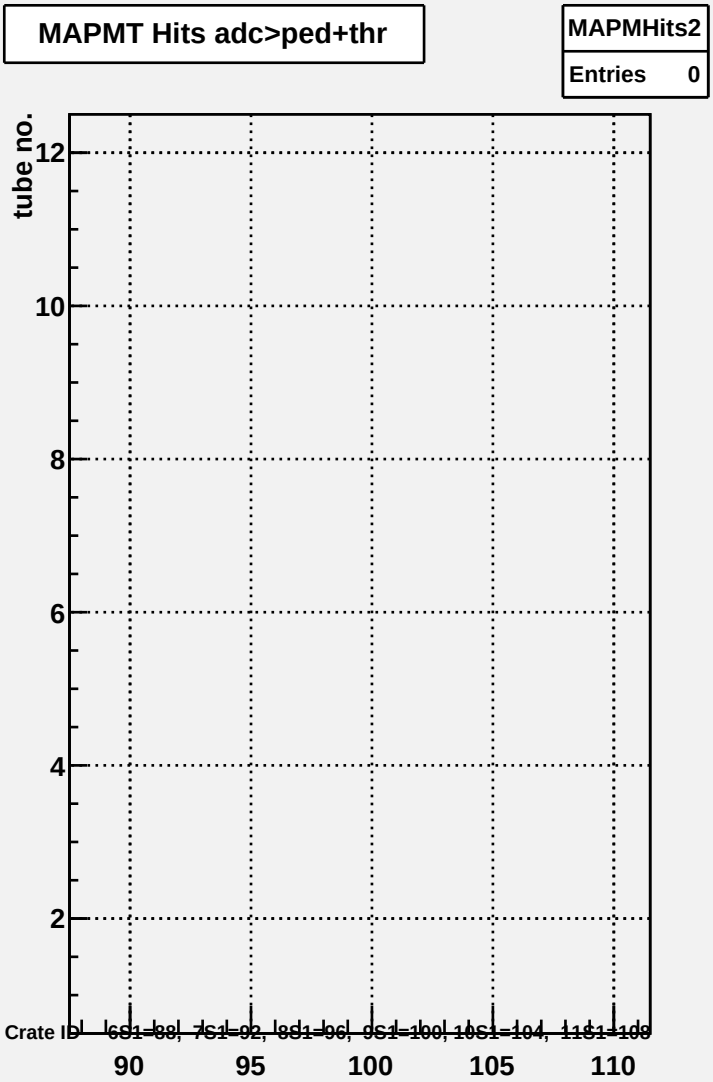

ESMD OFF
ESmdOFF
Entries 0
crates / eve

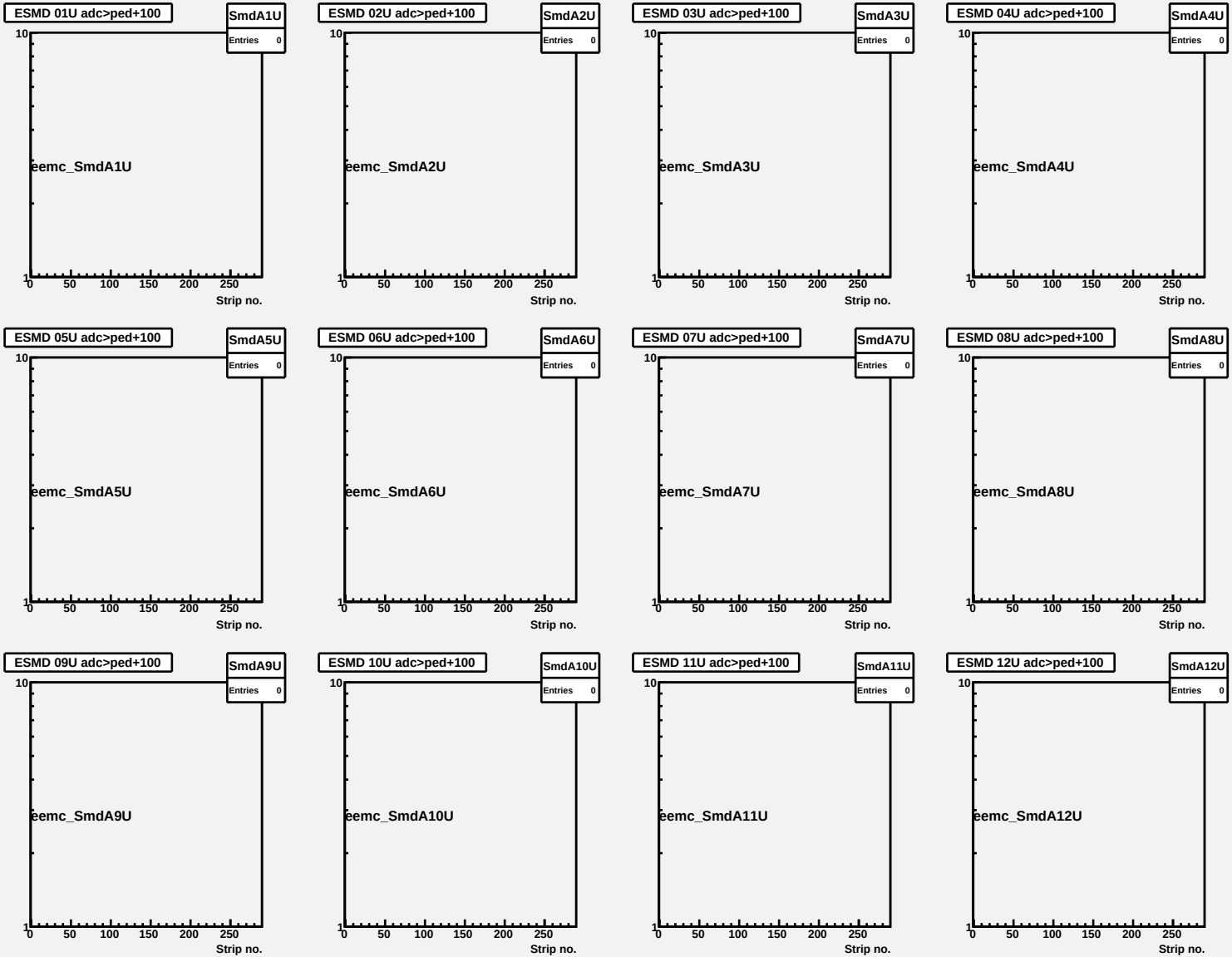

ESMD n256/eve
ESmdN256
Entries 0
chan / eve

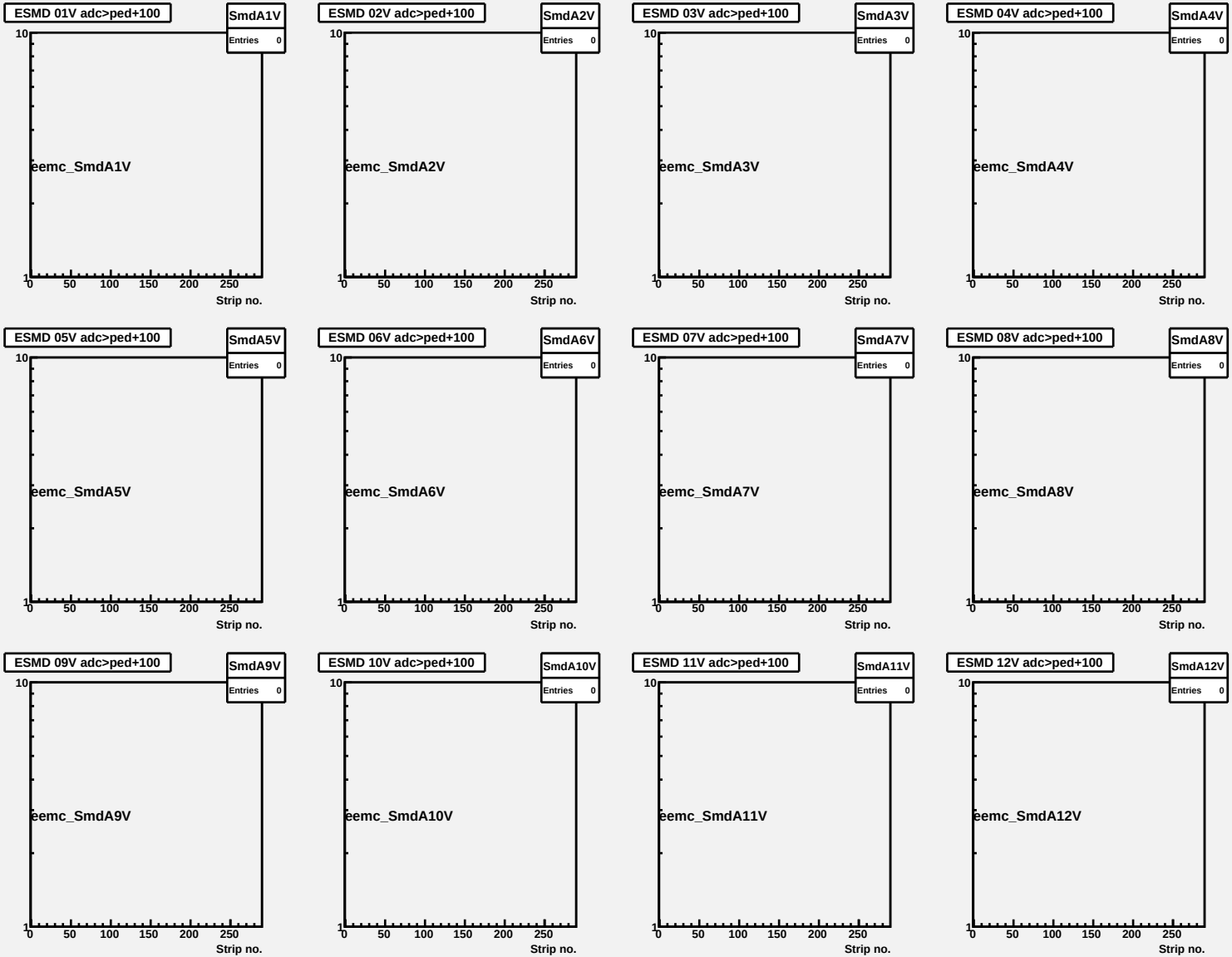

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID

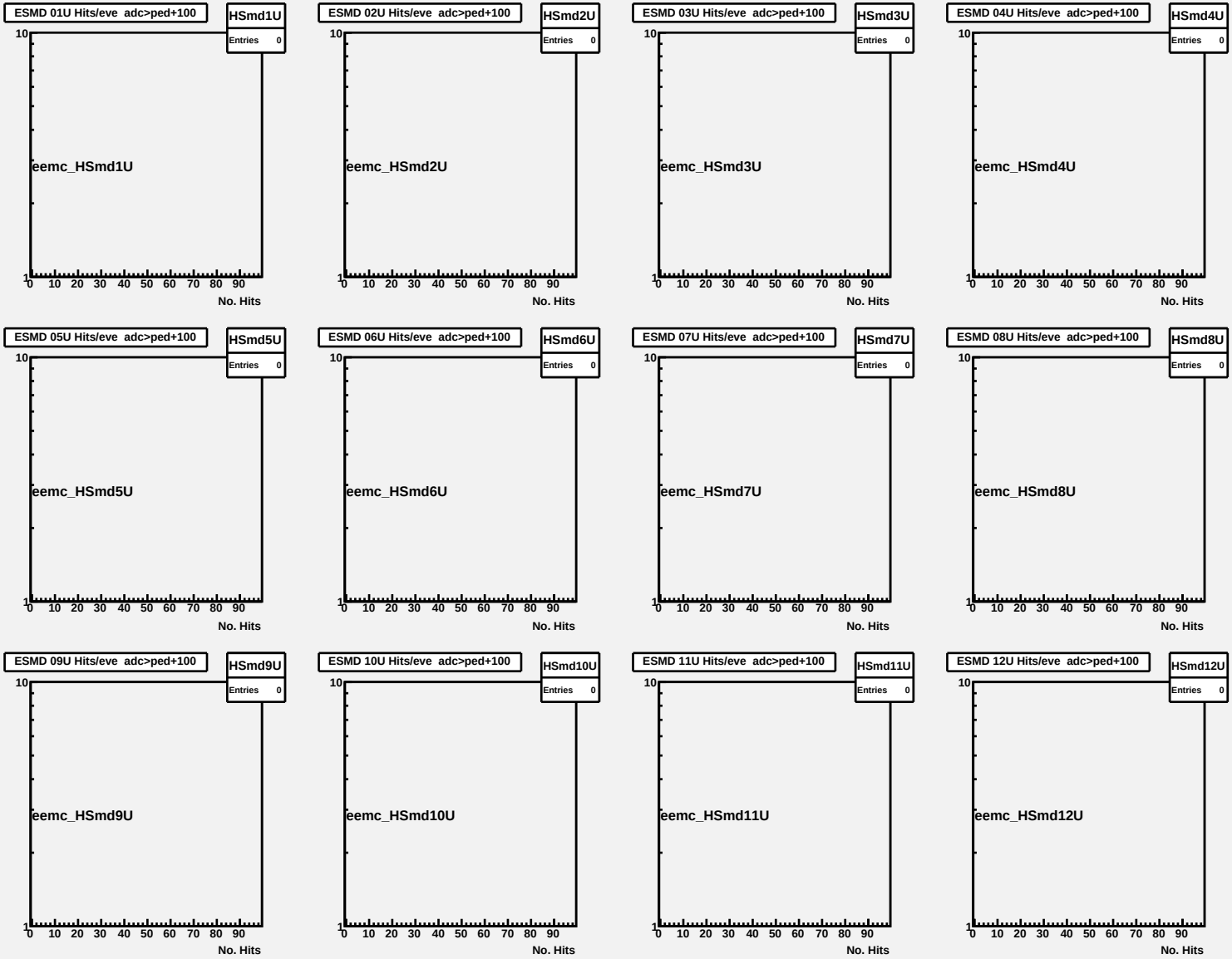

ESMD sanity
ESmdCorrBit
Entries 0
events
=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

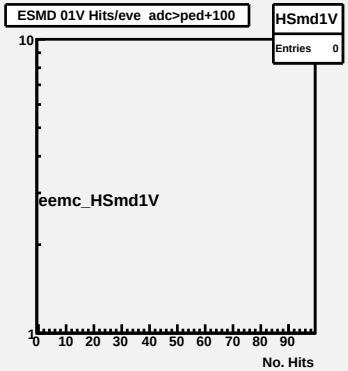

MAPMT Hits adc>ped+thr
MAPMHits
Entries 0
tube no.
12
10
8
6
4
2
Crate ID
65
70
75
80
85
90
95
100
105
110

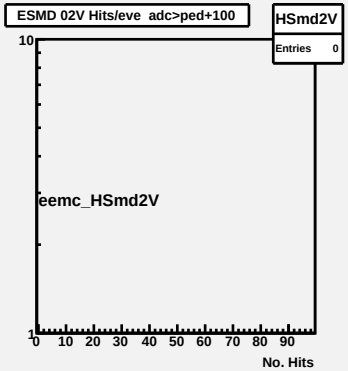

MAPMT Hits adc>ped+thr
MAPMHits2
Entries 0
tube no.
12
10
8
6
4
2
Crate ID
90
95
100
105
110

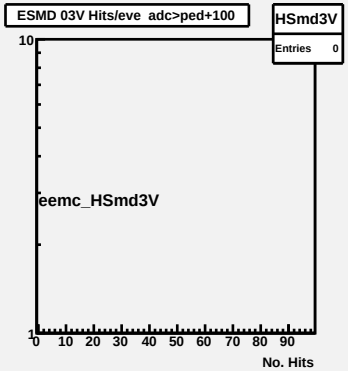

ESMD 01U adc>ped+100
SmdA1U
Entries 0
eemc_SmdA1U
ESMD 02U adc>ped+100
SmdA2U
Entries 0
eemc_SmdA2U
ESMD 03U adc>ped+100
SmdA3U
Entries 0
eemc_SmdA3U
ESMD 04U adc>ped+100
SmdA4U
Entries 0
eemc_SmdA4U
ESMD 05U adc>ped+100
SmdA5U
Entries 0
eemc_SmdA5U
ESMD 06U adc>ped+100
SmdA6U
Entries 0
eemc_SmdA6U
ESMD 07U adc>ped+100
SmdA7U
Entries 0
eemc_SmdA7U
ESMD 08U adc>ped+100
SmdA8U
Entries 0
eemc_SmdA8U
ESMD 09U adc>ped+100
SmdA9U
Entries 0
eemc_SmdA9U
ESMD 10U adc>ped+100
SmdA10U
Entries 0
eemc_SmdA10U
ESMD 11U adc>ped+100
SmdA11U
Entries 0
eemc_SmdA11U
ESMD 12U adc>ped+100
SmdA12U
Entries 0
eemc_SmdA12U
10
1
0 50 100 150 200 250
Strip no.

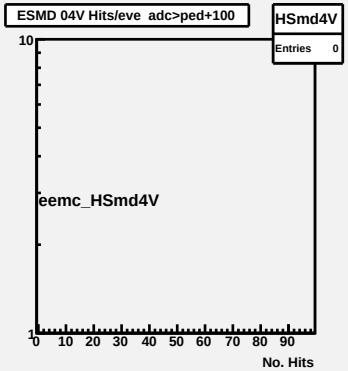

ESMD 01V adc>ped+100
SmdA1V
Entries 0
eemc_SmdA1V
ESMD 02V adc>ped+100
SmdA2V
Entries 0
eemc_SmdA2V
ESMD 03V adc>ped+100
SmdA3V
Entries 0
eemc_SmdA3V
ESMD 04V adc>ped+100
SmdA4V
Entries 0
eemc_SmdA4V
ESMD 05V adc>ped+100
SmdA5V
Entries 0
eemc_SmdA5V
ESMD 06V adc>ped+100
SmdA6V
Entries 0
eemc_SmdA6V
ESMD 07V adc>ped+100
SmdA7V
Entries 0
eemc_SmdA7V
ESMD 08V adc>ped+100
SmdA8V
Entries 0
eemc_SmdA8V
ESMD 09V adc>ped+100
SmdA9V
Entries 0
eemc_SmdA9V
ESMD 10V adc>ped+100
SmdA10V
Entries 0
eemc_SmdA10V
ESMD 11V adc>ped+100
SmdA11V
Entries 0
eemc_SmdA11V
ESMD 12V adc>ped+100
SmdA12V
Entries 0
eemc_SmdA12V
10
1
0 50 100 150 200 250
Strip no.

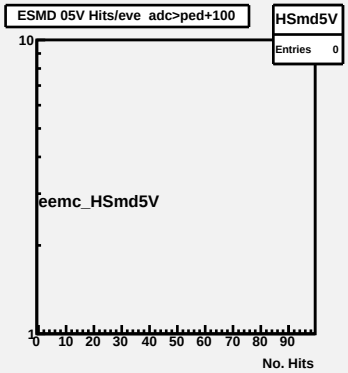

ESMD 01U Hits/eve adc>ped+100
HSmd1U
Entries 0
eemc_HSmd1U
ESMD 02U Hits/eve adc>ped+100
HSmd2U
Entries 0
eemc_HSmd2U
ESMD 03U Hits/eve adc>ped+100
HSmd3U
Entries 0
eemc_HSmd3U
ESMD 04U Hits/eve adc>ped+100
HSmd4U
Entries 0
eemc_HSmd4U
ESMD 05U Hits/eve adc>ped+100
HSmd5U
Entries 0
eemc_HSmd5U
ESMD 06U Hits/eve adc>ped+100
HSmd6U
Entries 0
eemc_HSmd6U
ESMD 07U Hits/eve adc>ped+100
HSmd7U
Entries 0
eemc_HSmd7U
ESMD 08U Hits/eve adc>ped+100
HSmd8U
Entries 0
eemc_HSmd8U
ESMD 09U Hits/eve adc>ped+100
HSmd9U
Entries 0
eemc_HSmd9U
ESMD 10U Hits/eve adc>ped+100
HSmd10U
Entries 0
eemc_HSmd10U
ESMD 11U Hits/eve adc>ped+100
HSmd11U
Entries 0
eemc_HSmd11U
ESMD 12U Hits/eve adc>ped+100
HSmd12U
Entries 0
eemc_HSmd12U
10
1
0 10 20 30 40 50 60 70 80 90
No. Hits

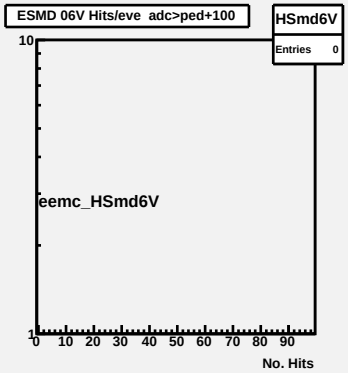

ESMD 01V Hits/eve adc>ped+100
HSmd1V
Entries 0
eemc_HSmd1V
No. Hits

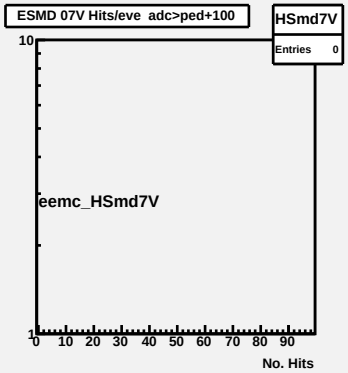

ESMD 02V Hits/eve adc>ped+100
HSmd2V
Entries 0
eemc_HSmd2V
No. Hits

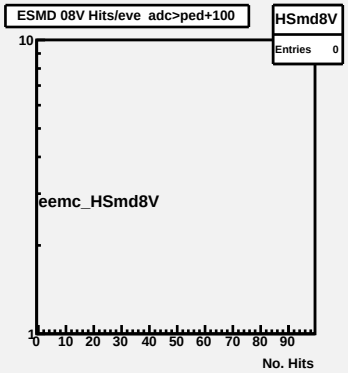

ESMD 03V Hits/eve adc>ped+100
HSmd3V
Entries 0
eemc_HSmd3V
No. Hits

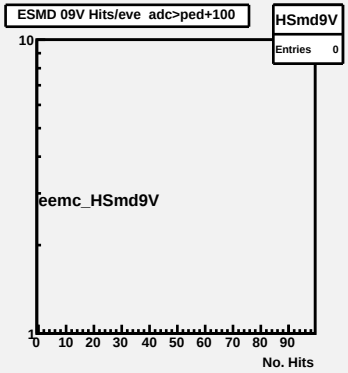

ESMD 04V Hits/eve adc>ped+100
HSmd4V
Entries 0
eemc_HSmd4V
No. Hits

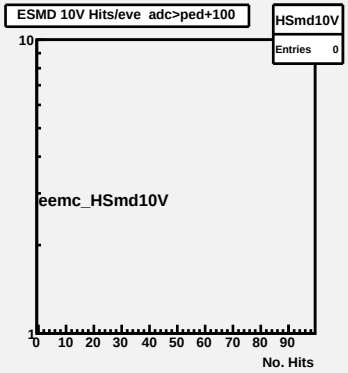

ESMD 05V Hits/eve adc>ped+100
HSmd5V
Entries 0
eemc_HSmd5V
No. Hits

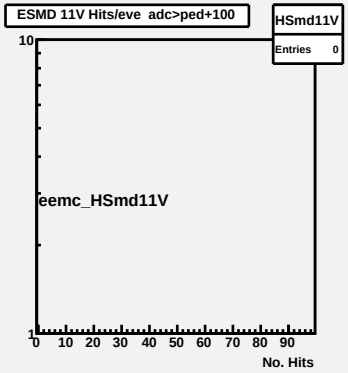

ESMD 06V Hits/eve adc>ped+100
HSmd6V
Entries 0
eemc_HSmd6V
No. Hits

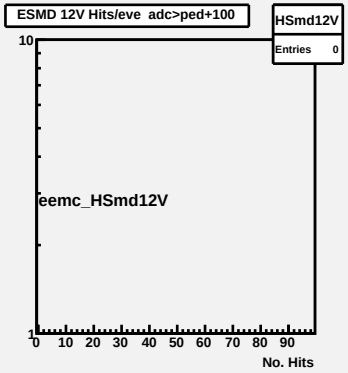

ESMD 07V Hits/eve adc>ped+100
HSmd7V
Entries 0
eemc_HSmd7V
No. Hits

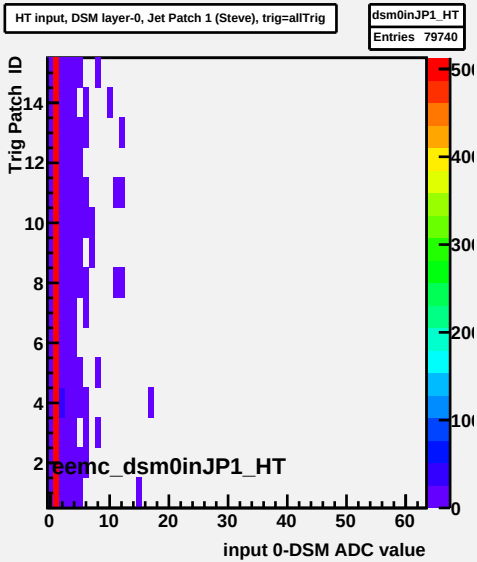

ESMD 08V Hits/eve adc>ped+100
HSmd8V
Entries 0
eemc_HSmd8V
No. Hits

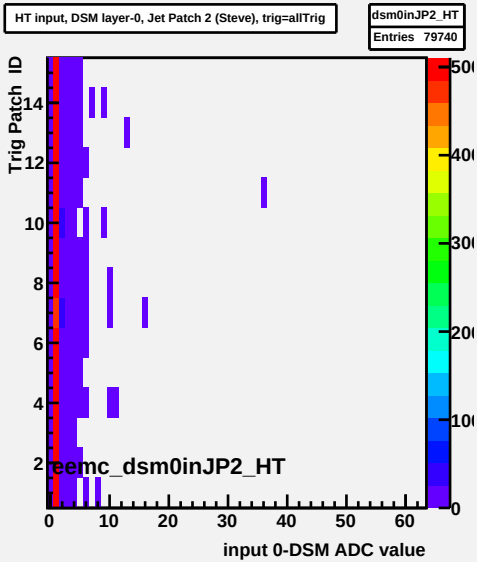

ESMD 09V Hits/eve adc>ped+100
HSmd9V
Entries 0
eemc_HSmd9V
No. Hits

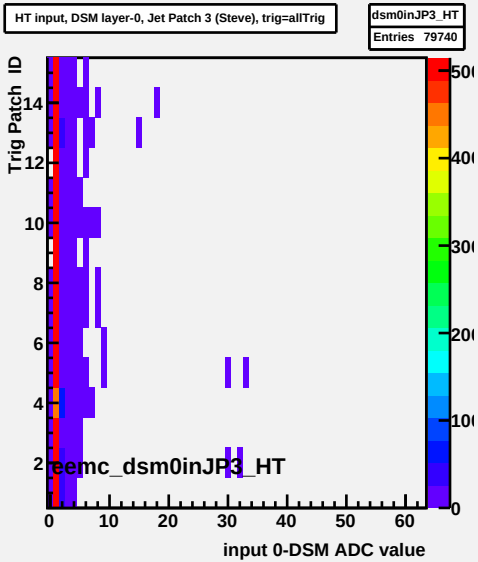

ESMD 10V Hits/eve adc>ped+100
HSmd10V
Entries 0
eemc_HSmd10V
No. Hits

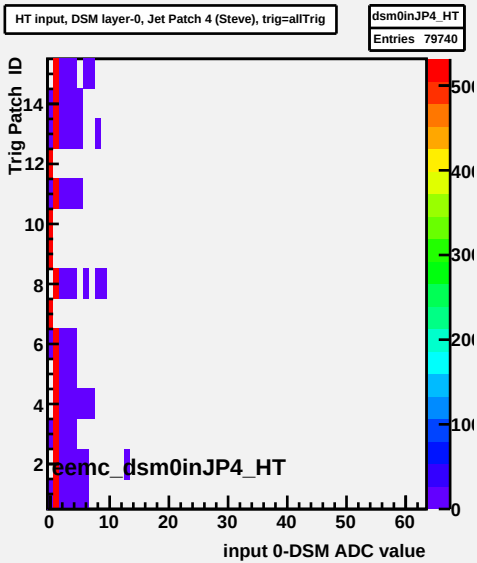

ESMD 11V Hits/eve adc>ped+100
HSmd11V
Entries 0
eemc_HSmd11V
No. Hits

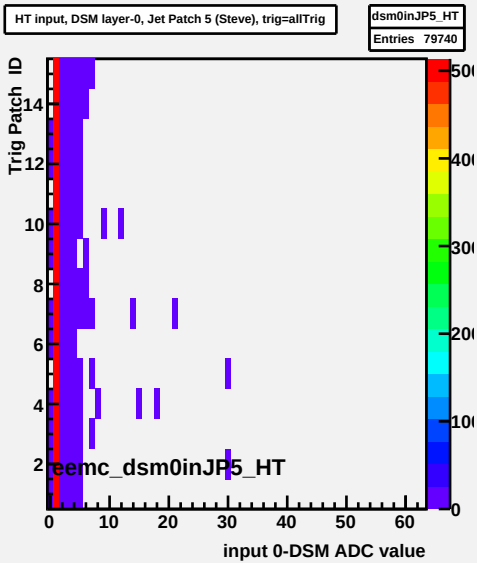

ESMD 12V Hits/eve adc>ped+100
HSmd12V
Entries 0
eemc_HSmd12V
No. Hits

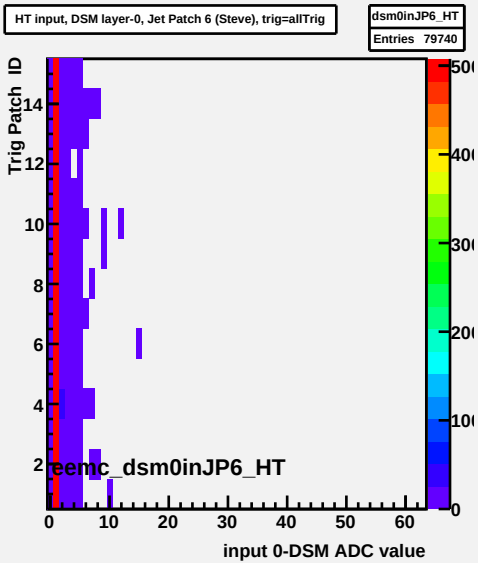

HT input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_HT
Entries 79740
Trig Patch ID
input 0-DSM ADC value
eemc_dsm0inJP1_HT

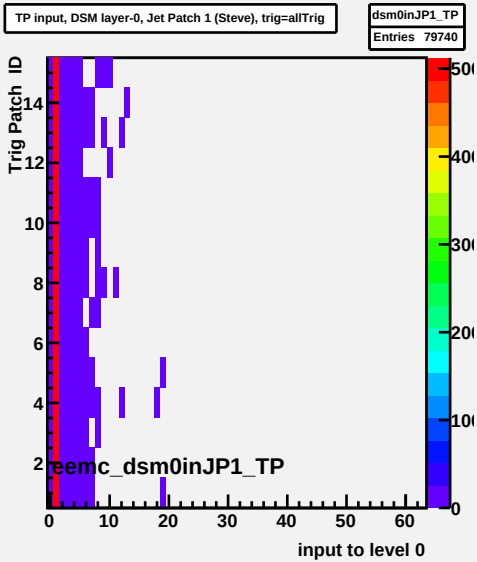

HT input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_HT
Entries 79740
Trig Patch ID
input 0-DSM ADC value
eemc_dsm0inJP2_HT

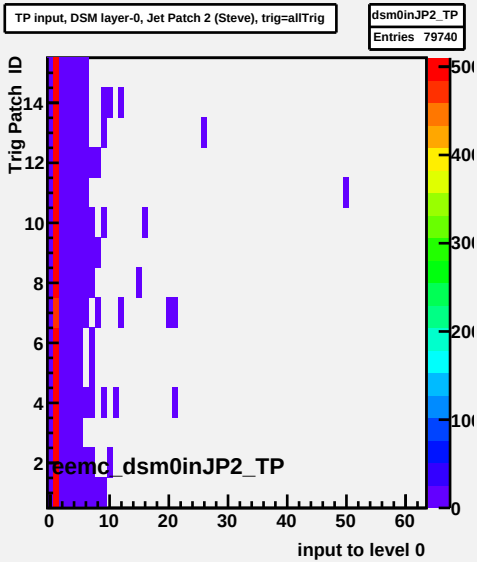

HT input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_HT
Entries 79740
Trig Patch ID
input 0-DSM ADC value
eemc_dsm0inJP3_HT

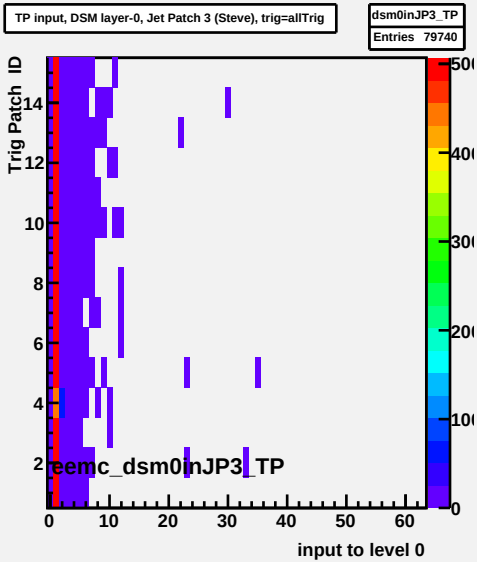

HT input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_HT
Entries 79740
Trig Patch ID
input 0-DSM ADC value
eemc_dsm0inJP4_HT

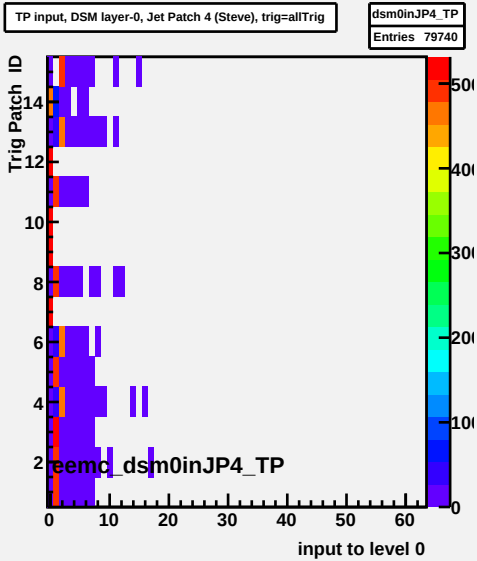

HT input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_HT
Entries 79740
Trig Patch ID
input 0-DSM ADC value
eemc_dsm0inJP5_HT

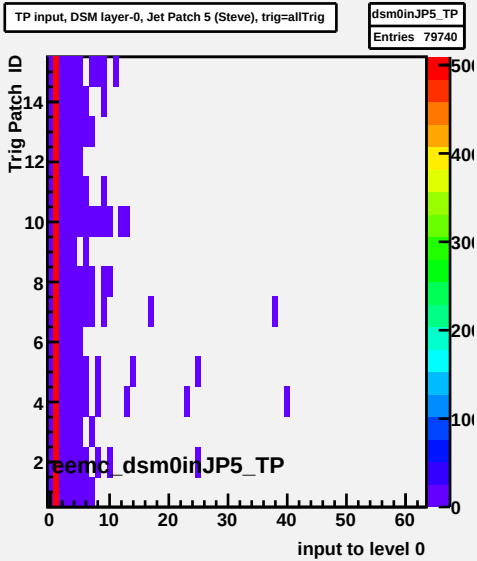

HT input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_HT
Entries 79740
Trig Patch ID
input 0-DSM ADC value
eemc_dsm0inJP6_HT

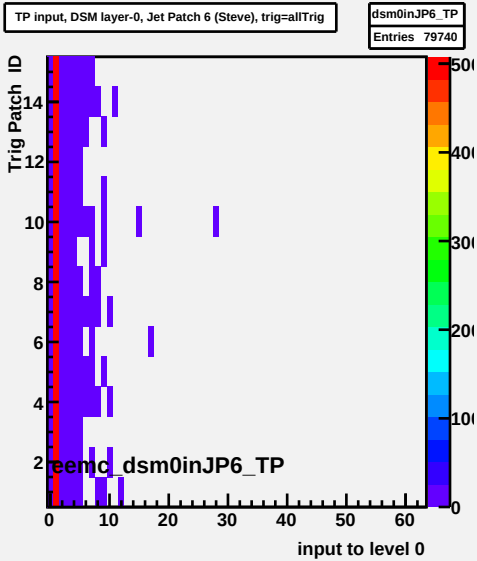

TP input, DSM layer-0, Jet Patch 1 (Steve), trig=allTrig
dsm0inJP1_TP
Entries 79740
Trig Patch ID
input to level 0
eemc_dsm0inJP1_TP

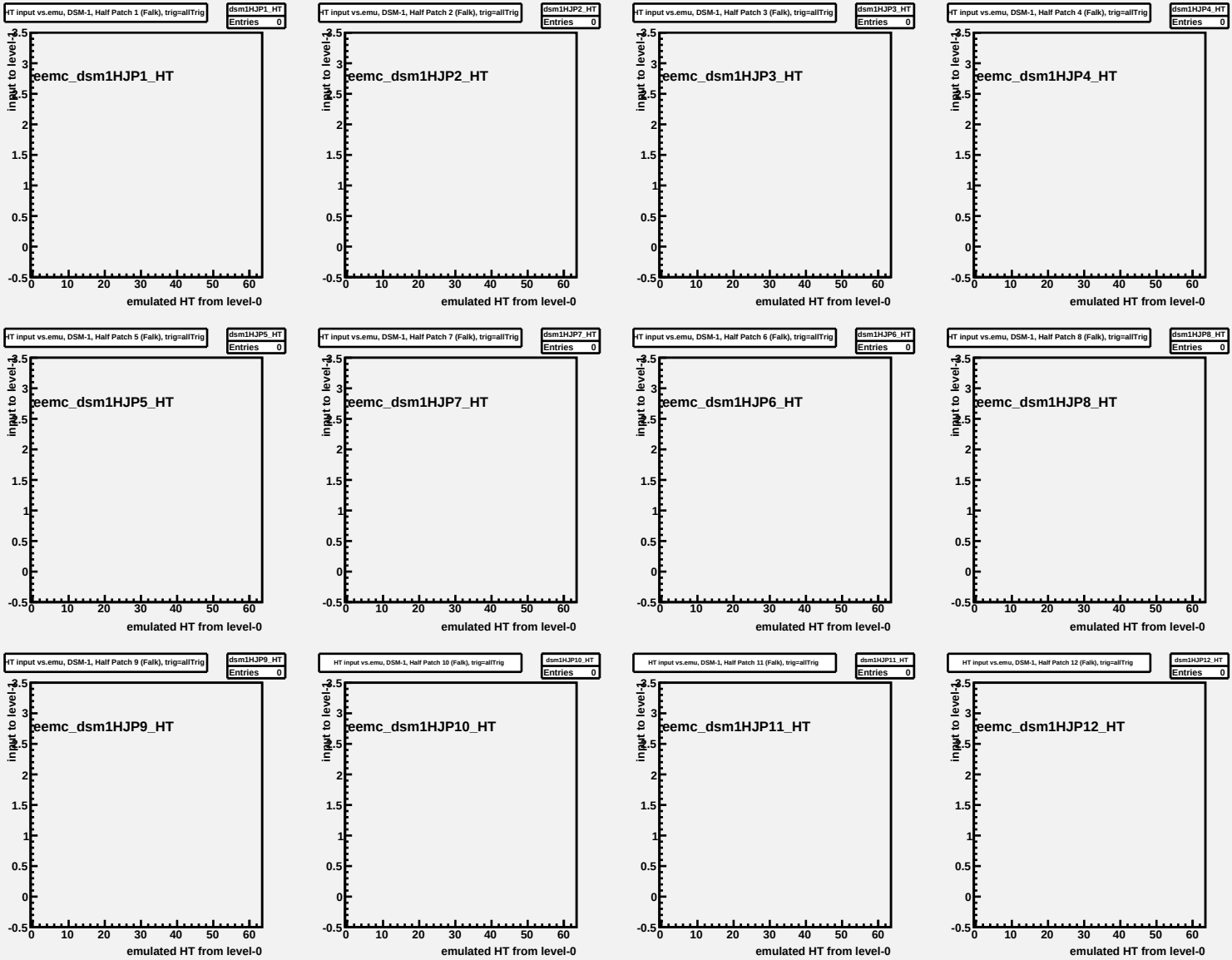

TP input, DSM layer-0, Jet Patch 2 (Steve), trig=allTrig
dsm0inJP2_TP
Entries 79740
Trig Patch ID
input to level 0
eemc_dsm0inJP2_TP

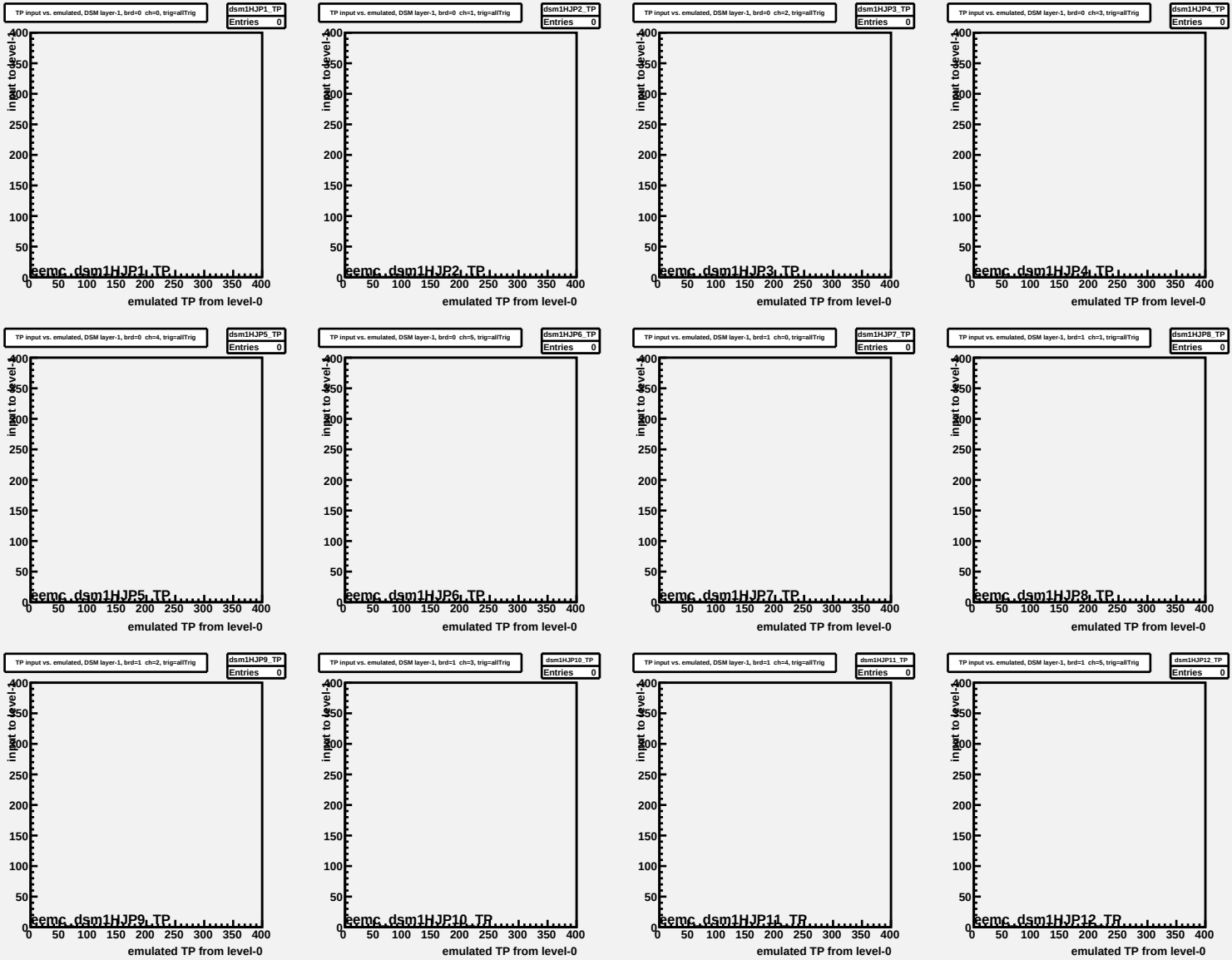

TP input, DSM layer-0, Jet Patch 3 (Steve), trig=allTrig
dsm0inJP3_TP
Entries 79740
Trig Patch ID
input to level 0
eemc_dsm0inJP3_TP

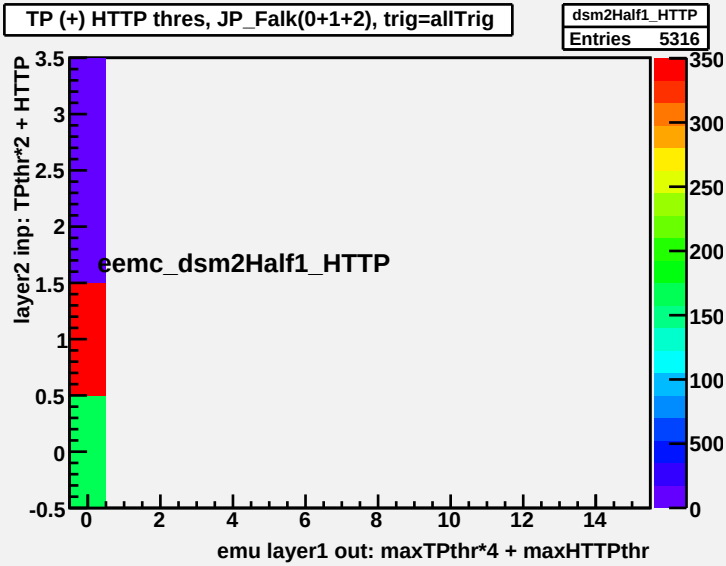

TP input, DSM layer-0, Jet Patch 4 (Steve), trig=allTrig
dsm0inJP4_TP
Entries 79740
Trig Patch ID
input to level 0
eemc_dsm0inJP4_TP

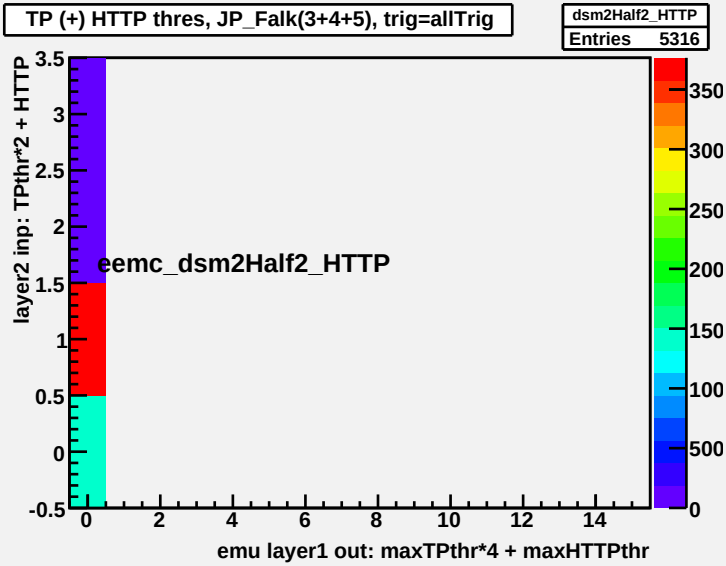

TP input, DSM layer-0, Jet Patch 5 (Steve), trig=allTrig
dsm0inJP5_TP
Entries 79740
Trig Patch ID
input to level 0
eemc_dsm0inJP5_TP

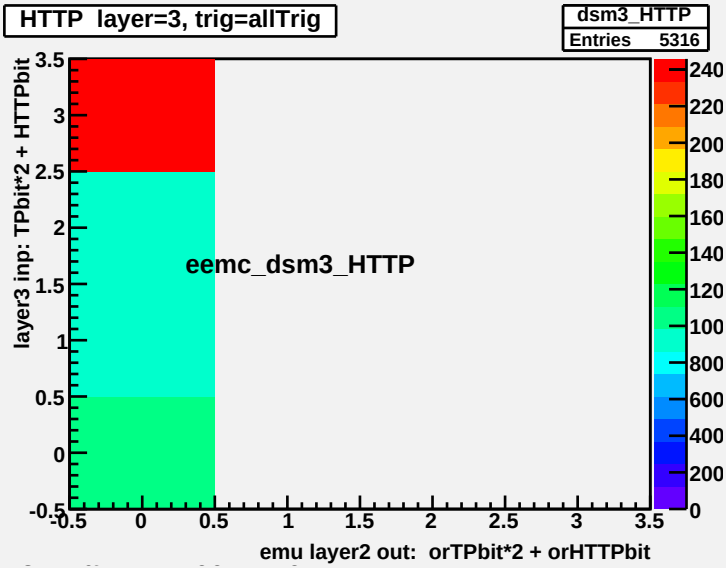

TP input, DSM layer-0, Jet Patch 6 (Steve), trig=allTrig
dsm0inJP6_TP
Entries 79740
Trig Patch ID
input to level 0
eemc_dsm0inJP6_TP

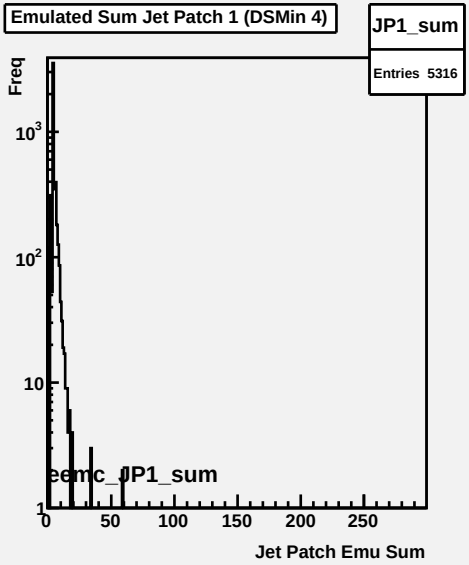

HT input vs.emu, DSM-1, Half Patch 1 (Falk), trig=allTrig
dsm1HJP1_HT
Entries 0
eemc_dsm1HJP1_HT
HT input vs.emu, DSM-1, Half Patch 2 (Falk), trig=allTrig
dsm1HJP2_HT
Entries 0
eemc_dsm1HJP2_HT
HT input vs.emu, DSM-1, Half Patch 3 (Falk), trig=allTrig
dsm1HJP3_HT
Entries 0
eemc_dsm1HJP3_HT
HT input vs.emu, DSM-1, Half Patch 4 (Falk), trig=allTrig
dsm1HJP4_HT
Entries 0
eemc_dsm1HJP4_HT
HT input vs.emu, DSM-1, Half Patch 5 (Falk), trig=allTrig
dsm1HJP5_HT
Entries 0
eemc_dsm1HJP5_HT
HT input vs.emu, DSM-1, Half Patch 7 (Falk), trig=allTrig
dsm1HJP7_HT
Entries 0
eemc_dsm1HJP7_HT
HT input vs.emu, DSM-1, Half Patch 6 (Falk), trig=allTrig
dsm1HJP6_HT
Entries 0
eemc_dsm1HJP6_HT
HT input vs.emu, DSM-1, Half Patch 8 (Falk), trig=allTrig
dsm1HJP8_HT
Entries 0
eemc_dsm1HJP8_HT
HT input vs.emu, DSM-1, Half Patch 9 (Falk), trig=allTrig
dsm1HJP9_HT
Entries 0
eemc_dsm1HJP9_HT
HT input vs.emu, DSM-1, Half Patch 10 (Falk), trig=allTrig
dsm1HJP10_HT
Entries 0
eemc_dsm1HJP10_HT
HT input vs.emu, DSM-1, Half Patch 11 (Falk), trig=allTrig
dsm1HJP11_HT
Entries 0
eemc_dsm1HJP11_HT
HT input vs.emu, DSM-1, Half Patch 12 (Falk), trig=allTrig
dsm1HJP12_HT
Entries 0
eemc_dsm1HJP12_HT
input to level-1
emulated HT from level-0

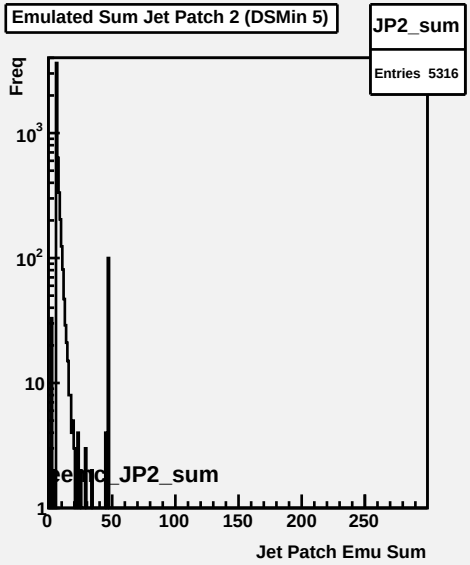

TP input vs. emulated, DSM layer-1, brd=0 ch=0, trig=allTrig
dsm1HJP1_TP
Entries 0
eemc.dsm1HJP1.TP
TP input vs. emulated, DSM layer-1, brd=0 ch=1, trig=allTrig
dsm1HJP2_TP
Entries 0
eemc.dsm1HJP2.TP
TP input vs. emulated, DSM layer-1, brd=0 ch=2, trig=allTrig
dsm1HJP3_TP
Entries 0
eemc.dsm1HJP3.TP
TP input vs. emulated, DSM layer-1, brd=0 ch=3, trig=allTrig
dsm1HJP4_TP
Entries 0
eemc.dsm1HJP4.TP
TP input vs. emulated, DSM layer-1, brd=0 ch=4, trig=allTrig
dsm1HJP5_TP
Entries 0
eemc.dsm1HJP5.TP
TP input vs. emulated, DSM layer-1, brd=0 ch=5, trig=allTrig
dsm1HJP6_TP
Entries 0
eemc.dsm1HJP6.TP
TP input vs. emulated, DSM layer-1, brd=1 ch=0, trig=allTrig
dsm1HJP7_TP
Entries 0
eemc.dsm1HJP7.TP
TP input vs. emulated, DSM layer-1, brd=1 ch=1, trig=allTrig
dsm1HJP8_TP
Entries 0
eemc.dsm1HJP8.TP
TP input vs. emulated, DSM layer-1, brd=1 ch=2, trig=allTrig
dsm1HJP9_TP
Entries 0
eemc.dsm1HJP9.TP
TP input vs. emulated, DSM layer-1, brd=1 ch=3, trig=allTrig
dsm1HJP10_TP
Entries 0
eemc.dsm1HJP10.TP
TP input vs. emulated, DSM layer-1, brd=1 ch=4, trig=allTrig
dsm1HJP11_TP
Entries 0
eemc.dsm1HJP11.TP
TP input vs. emulated, DSM layer-1, brd=1 ch=5, trig=allTrig
dsm1HJP12_TP
Entries 0
eemc.dsm1HJP12.TP
input to level-1
emulated TP from level-0
0 50 100 150 200 250 300 350 400

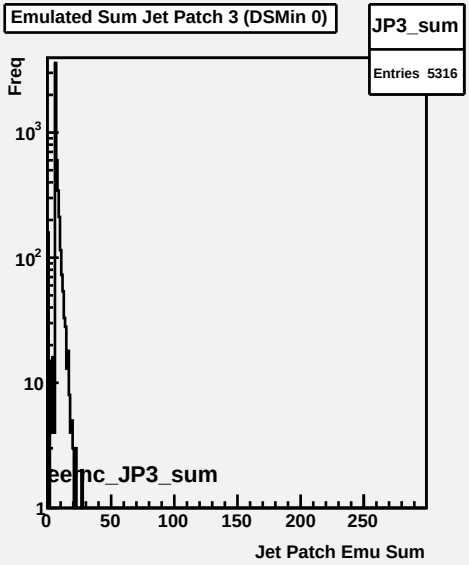

TP (+) HTTP thres, JP_Falk(0+1+2), trig=allTrig
dsm2Half1_HTTP
Entries 5316
eemc_dsm2Half1_HTTP
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

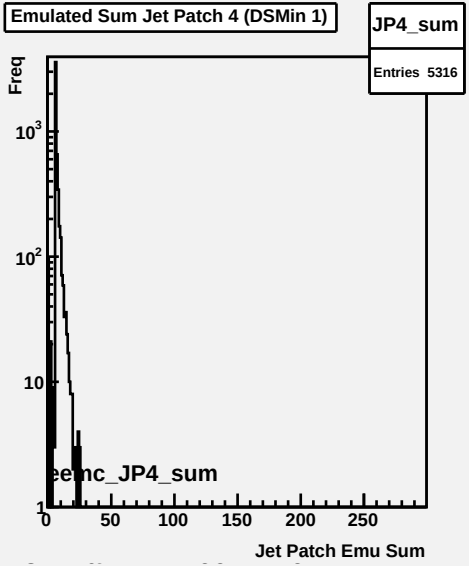

TP (+) HTTP thres, JP_Falk(3+4+5), trig=allTrig
dsm2Half2_HTTP
Entries 5316
eemc_dsm2Half2_HTTP
layer2 inp: TPthr*2 + HTTP
emu layer1 out: maxTPthr*4 + maxHTTPthr

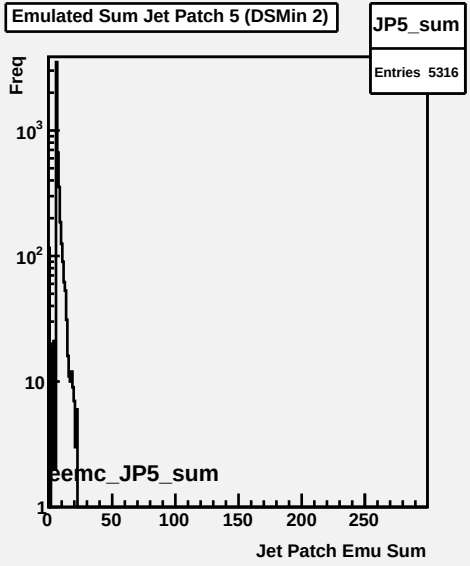

HTTP layer=3, trig=allTrig
dsm3_HTTP
Entries 5316
eemc_dsm3_HTTP
layer3 inp: TPbit*2 + HTTPbit
emu layer2 out: orTPbit*2 + orHTTPbit

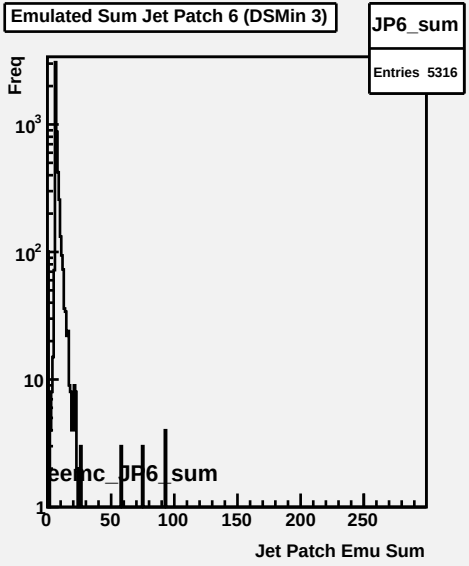

Emulated Sum Jet Patch 1 (DSMin 4)
JP1_sum
Entries 5316
Freq
eemc_JP1_sum
Jet Patch Emu Sum

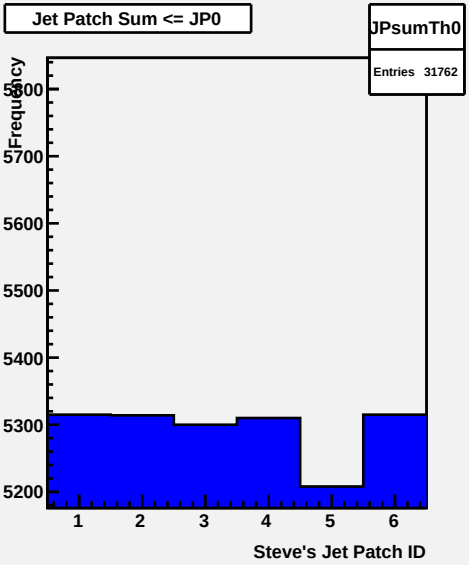

Emulated Sum Jet Patch 2 (DSMin 5)
JP2_sum
Entries 5316
Freq
eemc_JP2_sum
Jet Patch Emu Sum

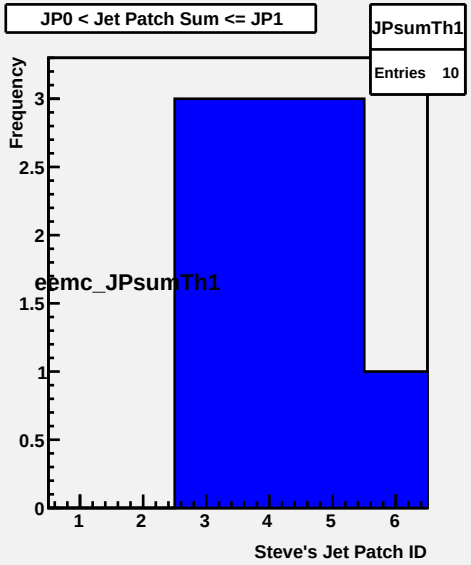

Emulated Sum Jet Patch 3 (DSMin 0)
JP3_sum
Entries 5316
Freq
eemc_JP3_sum
Jet Patch Emu Sum

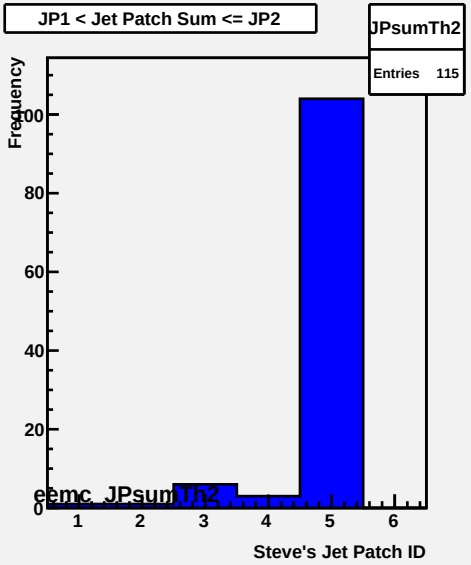

Emulated Sum Jet Patch 4 (DSMin 1)
JP4_sum
Entries 5316
Freq
eemc_JP4_sum
Jet Patch Emu Sum

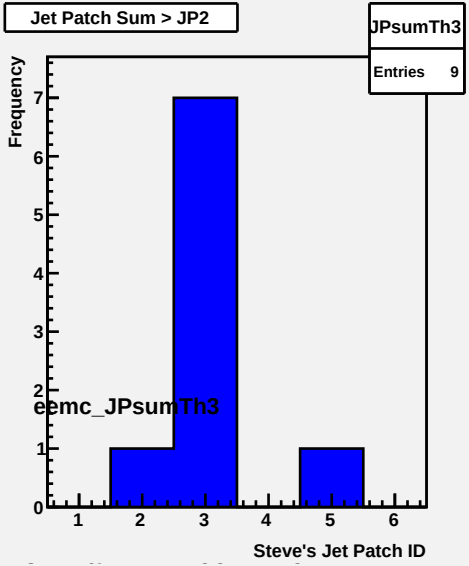

Emulated Sum Jet Patch 5 (DSMin 2)
JP5_sum
Entries 5316
Freq
eemc_JP5_sum
Jet Patch Emu Sum

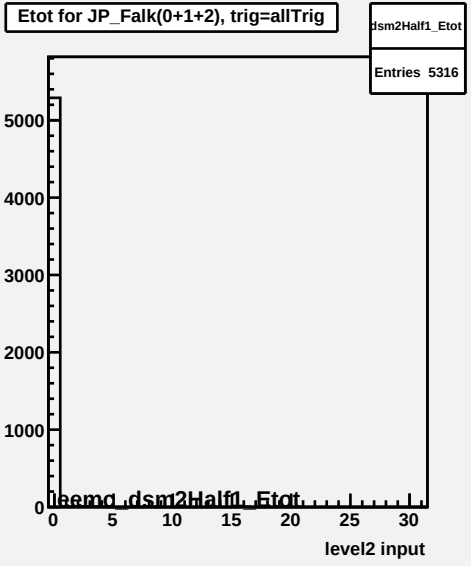

Emulated Sum Jet Patch 6 (DSMin 3)
JP6_sum
Entries 5316
Freq
eemc_JP6_sum
Jet Patch Emu Sum

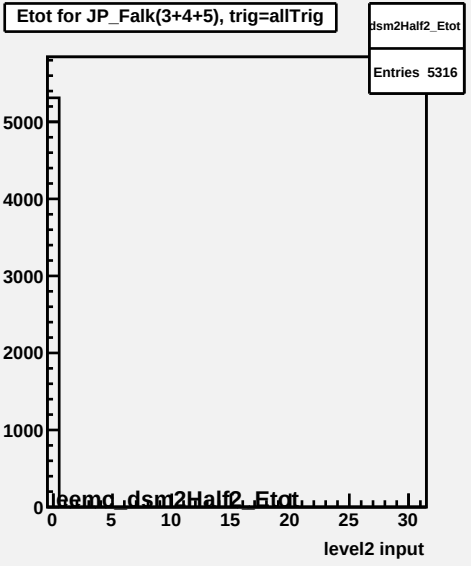

Jet Patch Sum <= JP0
JPsumTh0
Entries 31762
Frequency
Steve's Jet Patch ID

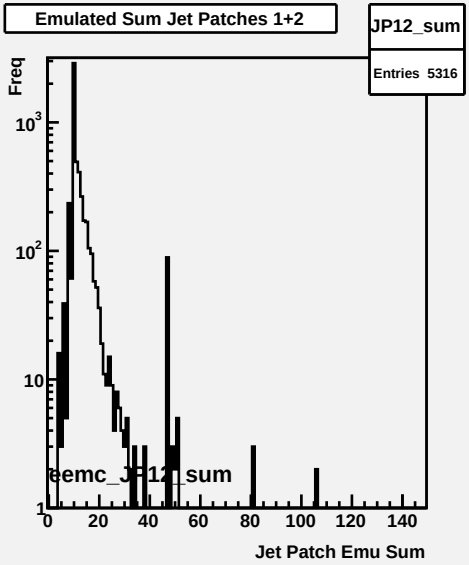

JP0 < Jet Patch Sum <= JP1
JPsumTh1
Entries 10
Frequency
eemc_JPsumTh1
Steve's Jet Patch ID

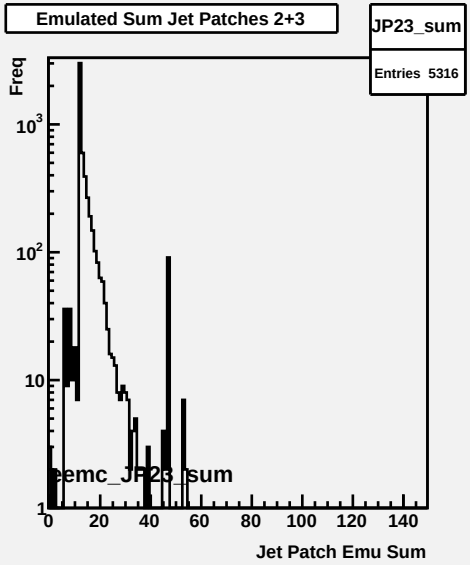

JP1 < Jet Patch Sum <= JP2
JPsumTh2
Entries 115
Frequency
eemc_JPsumTh2
Steve's Jet Patch ID

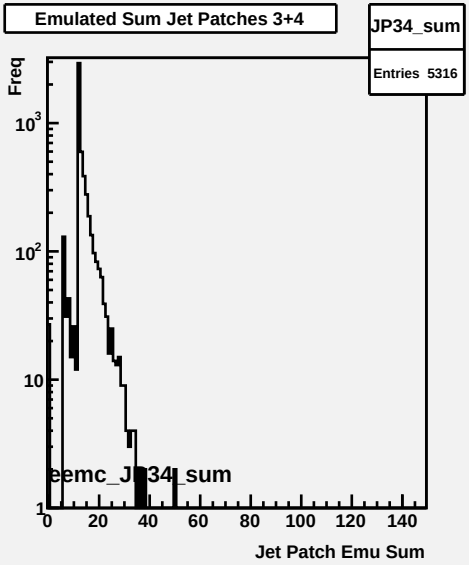

Jet Patch Sum > JP2
JPsumTh3
Entries 9
Frequency
eemc_JPsumTh3
Steve's Jet Patch ID

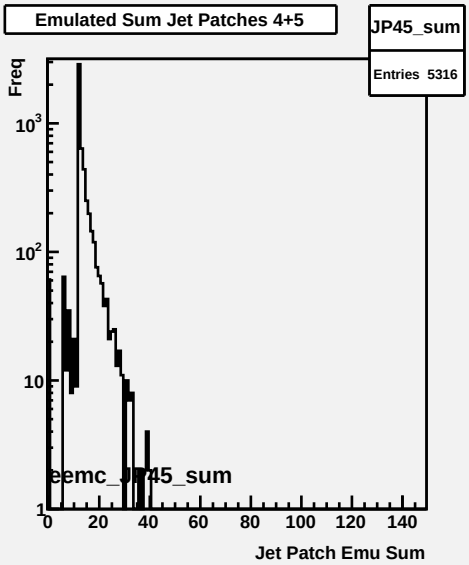

Etot for JP_Falk(0+1+2), trig=allTrig
dsm2Half1_Etot
Entries 5316
eemc_dsm2Half1_Etot
level2 input

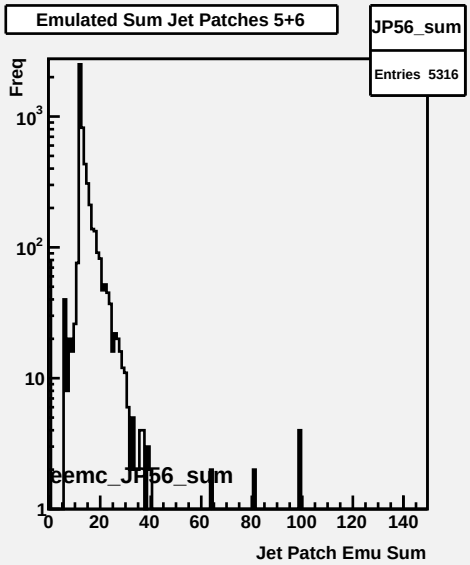

Etot for JP_Falk(3+4+5), trig=allTrig
dsm2Half2_Etot
Entries 5316
eemc_dsm2Half2_Etot
level2 input

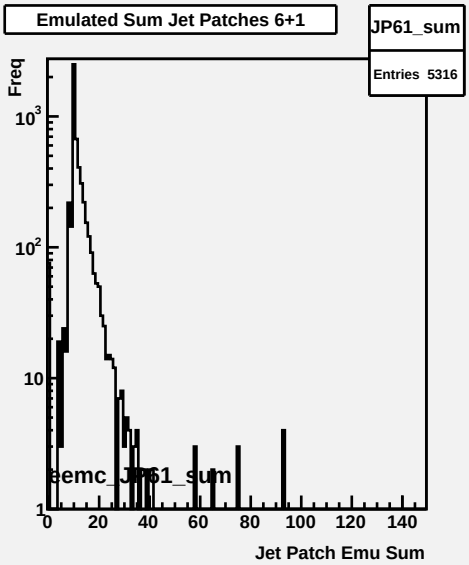

Emulated Sum Jet Patches 1+2
JP12_sum
Entries 5316
Freq
eemc_JP12_sum
Jet Patch Emu Sum

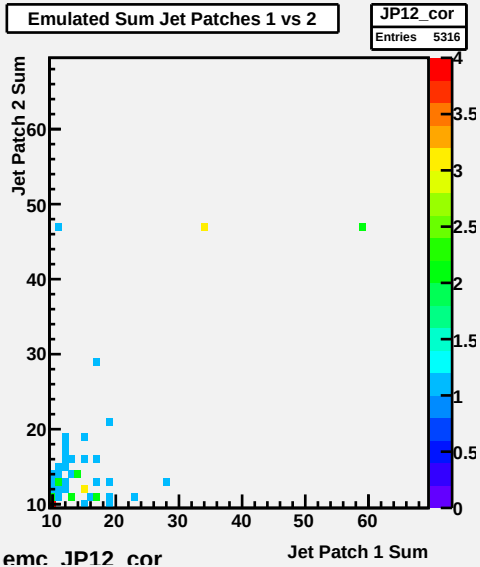

Emulated Sum Jet Patches 2+3
JP23_sum
Entries 5316
Freq
eemc_JP23_sum
Jet Patch Emu Sum

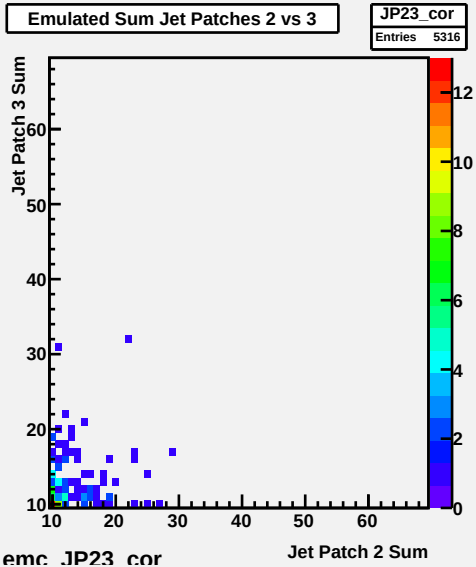

Emulated Sum Jet Patches 3+4
JP34_sum
Entries 5316
Freq
eemc_JP34_sum
Jet Patch Emu Sum

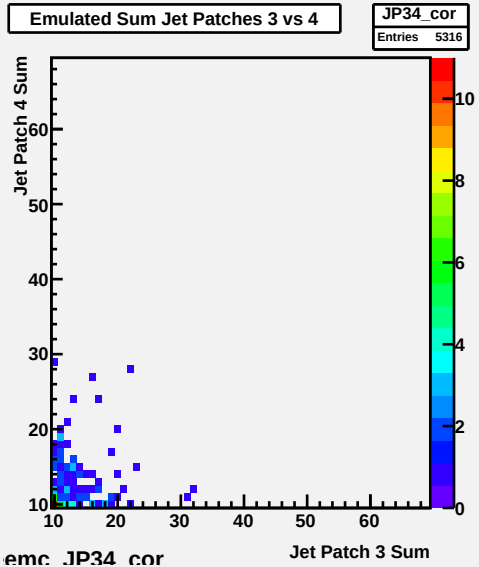

Emulated Sum Jet Patches 4+5
JP45_sum
Entries 5316
Freq
eemc_JP45_sum
Jet Patch Emu Sum

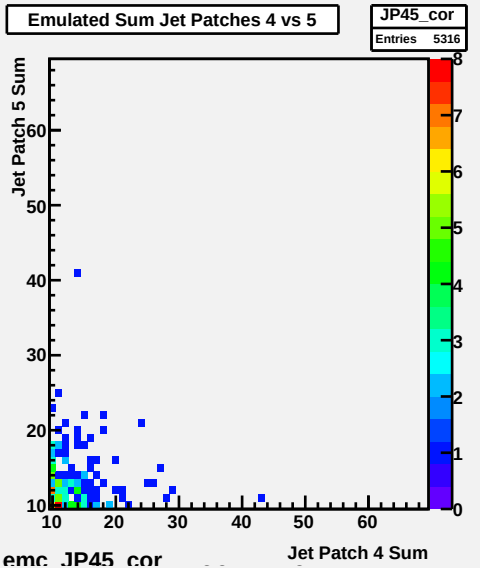

Emulated Sum Jet Patches 5+6
JP56_sum
Entries 5316
Freq
eemc_JP56_sum
Jet Patch Emu Sum

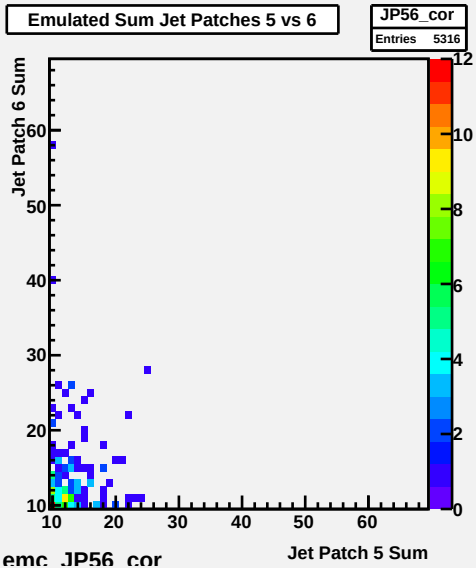

Emulated Sum Jet Patches 6+1
JP61_sum
Entries 5316
Freq
eemc_JP61_sum
Jet Patch Emu Sum

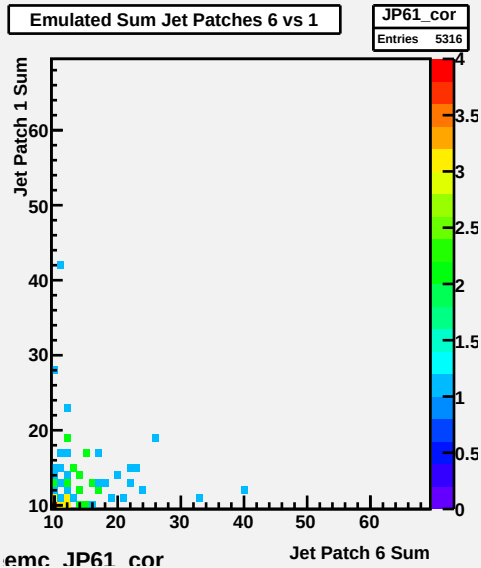

Emulated Sum Jet Patches 1 vs 2
JP12_cor
Entries 5316
Jet Patch 2 Sum
Jet Patch 1 Sum
emc_JP12_cor

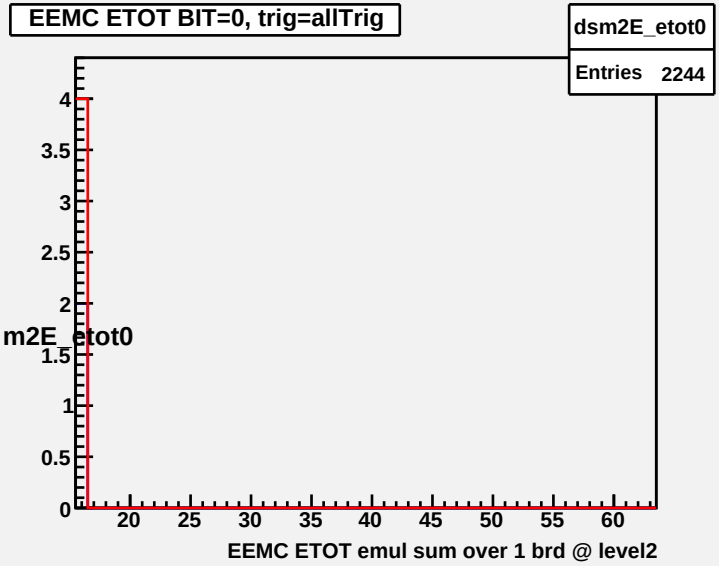

Emulated Sum Jet Patches 2 vs 3
JP23_cor
Entries 5316
Jet Patch 3 Sum
Jet Patch 2 Sum
emc_JP23_cor

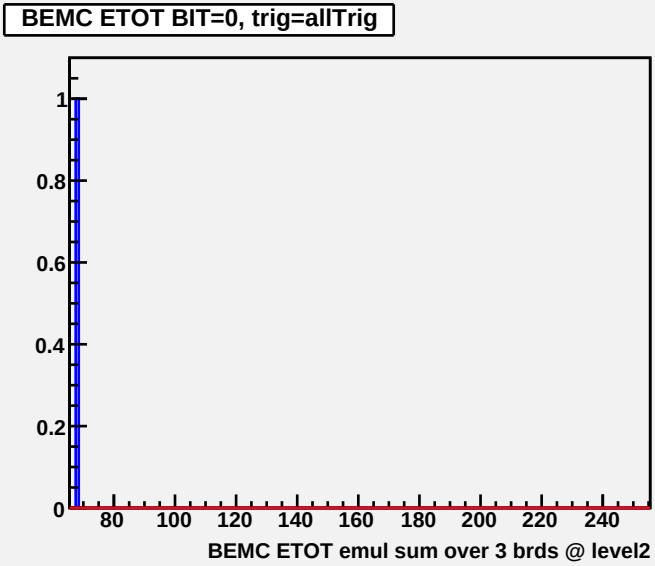

Emulated Sum Jet Patches 3 vs 4
JP34_cor
Entries 5316
Jet Patch 4 Sum
Jet Patch 3 Sum
emc_JP34_cor

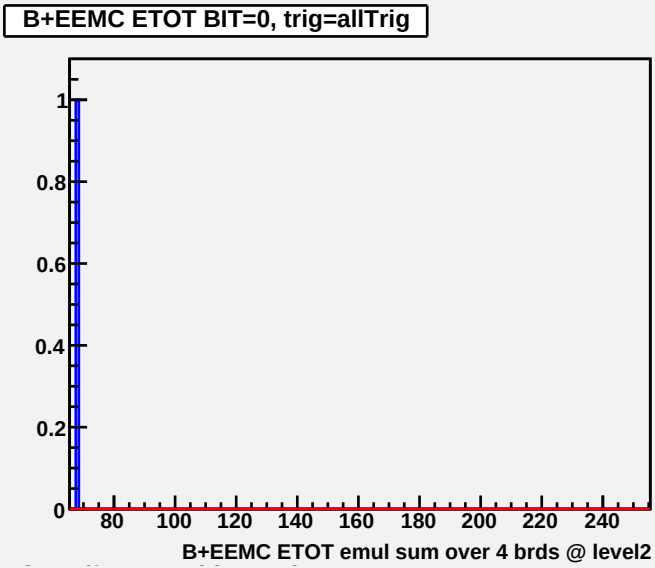

Emulated Sum Jet Patches 4 vs 5
JP45_cor
Entries 5316
Jet Patch 5 Sum
Jet Patch 4 Sum
emc_JP45_cor

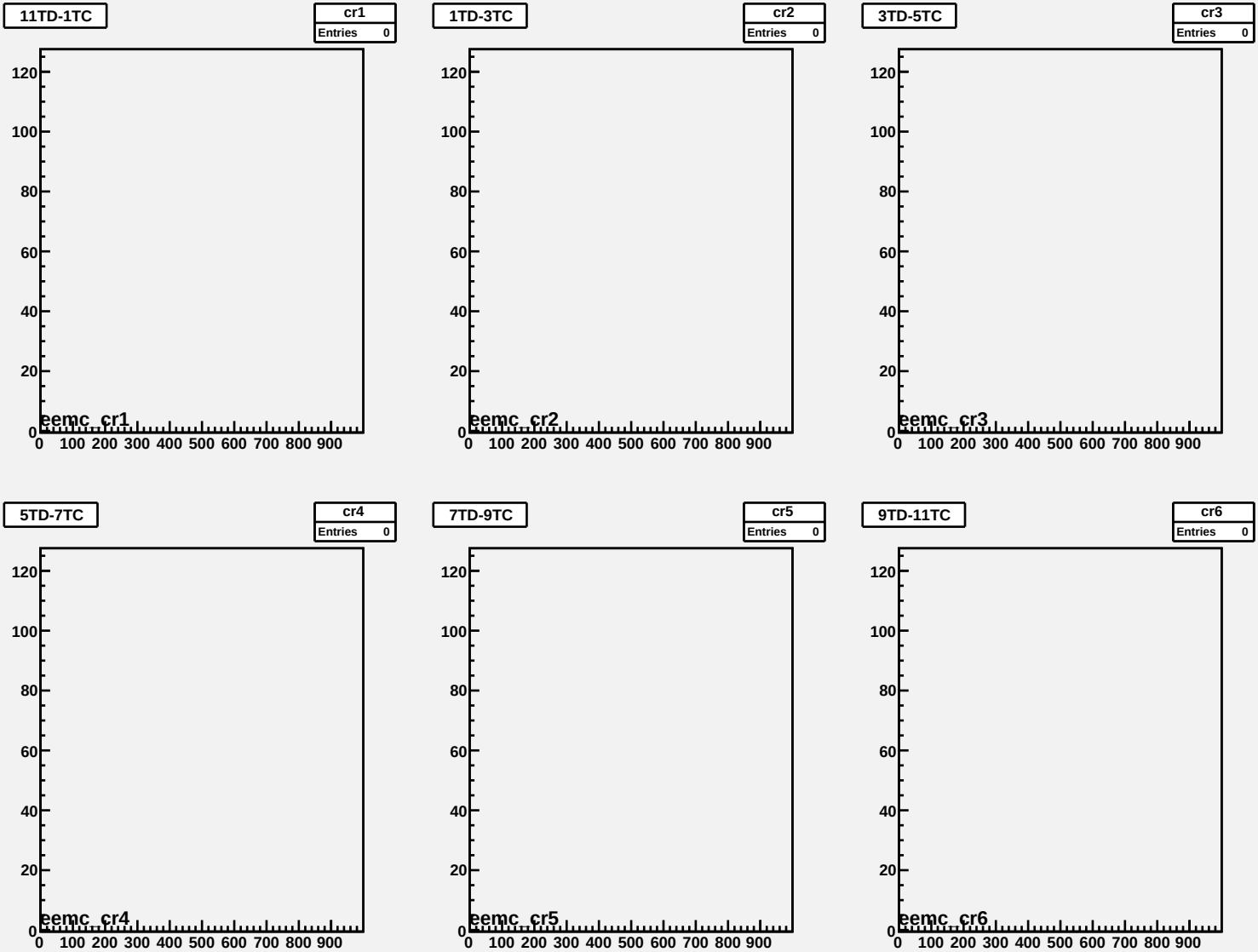

Emulated Sum Jet Patches 5 vs 6
JP56_cor
Entries 5316
Jet Patch 6 Sum
Jet Patch 5 Sum
emc_JP56_cor

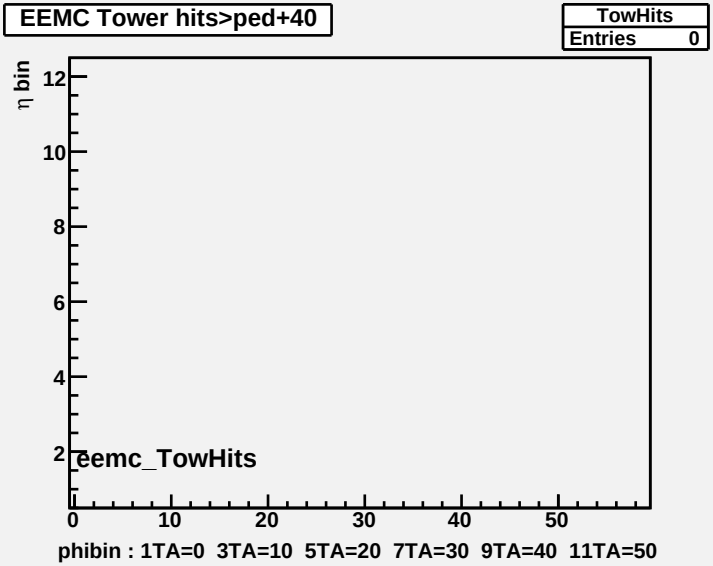

Emulated Sum Jet Patches 6 vs 1
JP61_cor
Entries 5316
Jet Patch 1 Sum
Jet Patch 6 Sum
emc_JP61_cor

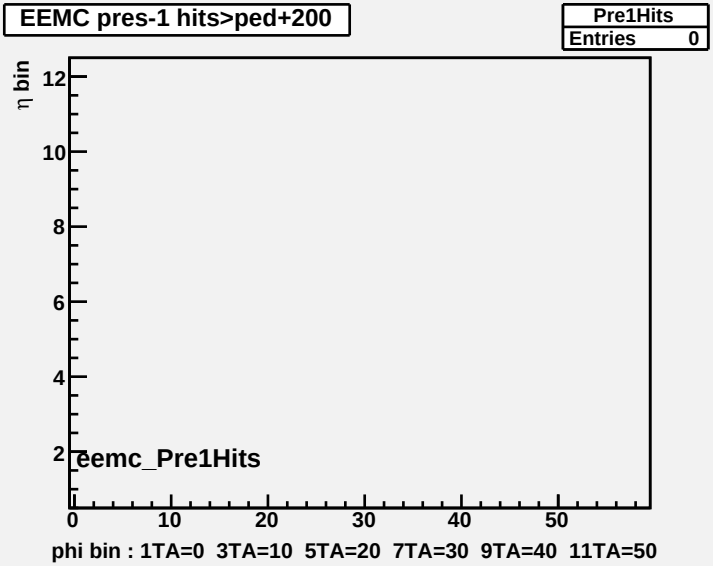

EEMC ETOT BIT=0, trig=allTrig
dsm2E_etot0
Entries 2244
m2E_etot0
EEMC ETOT emul sum over 1 brd @ level2

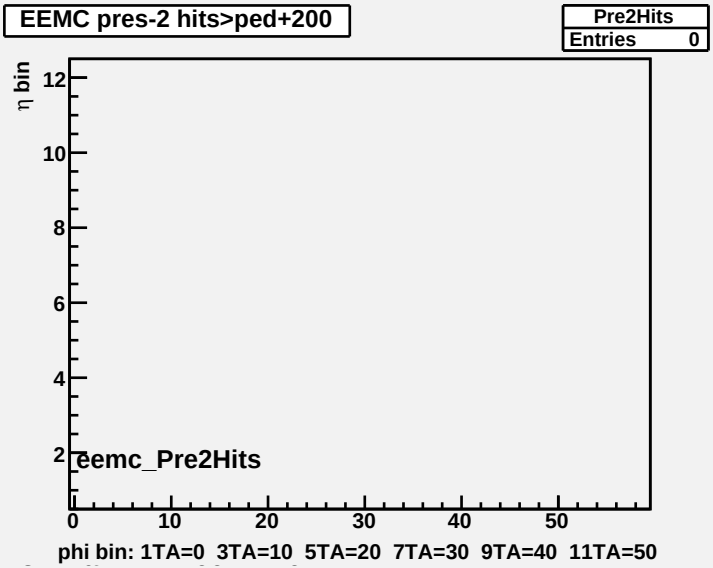

BEMC ETOT BIT=0, trig=allTrig
BEMC ETOT emul sum over 3 brds @ level2

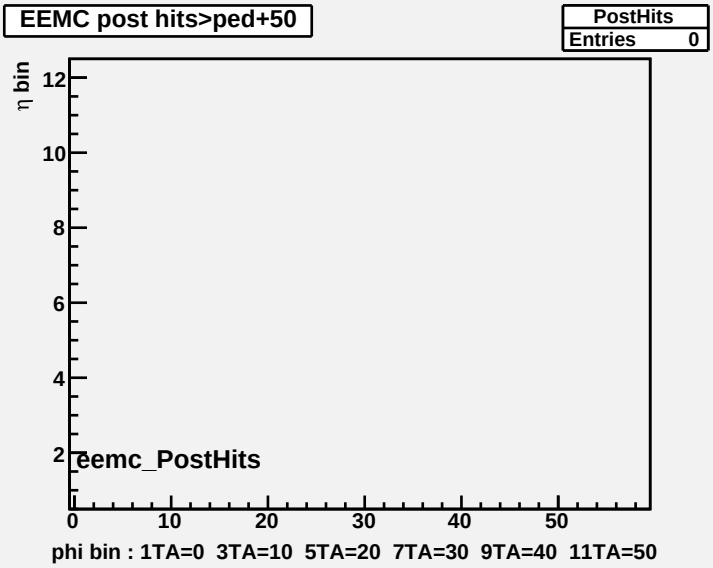

B+EEMC ETOT BIT=0, trig=allTrig
B+EEMC ETOT emul sum over 4 brds @ level2

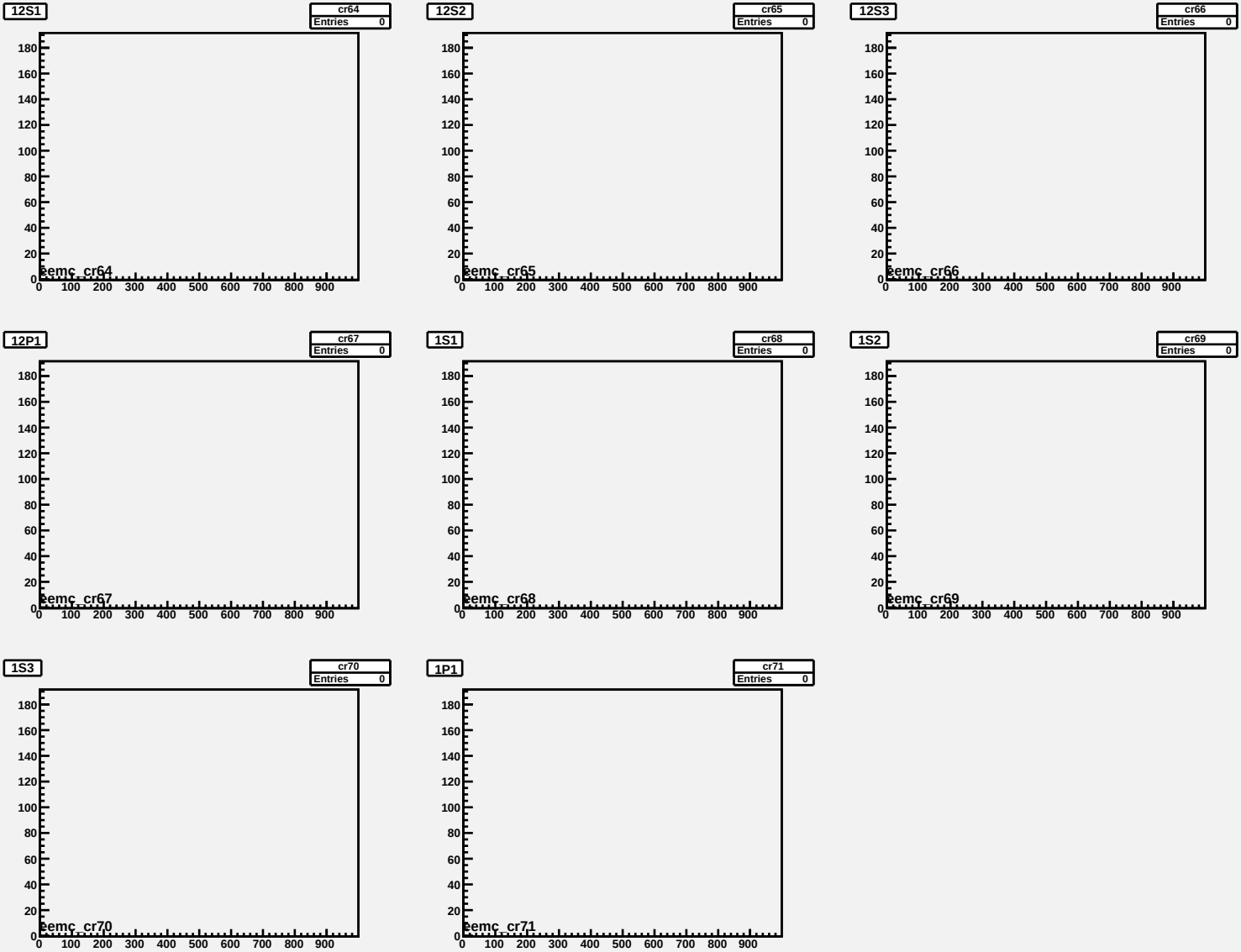

11TD-1TC
cr1
Entries 0
eemc_cr1
1TD-3TC
cr2
Entries 0
eemc_cr2
3TD-5TC
cr3
Entries 0
eemc_cr3
5TD-7TC
cr4
Entries 0
eemc_cr4
7TD-9TC
cr5
Entries 0
eemc_cr5
9TD-11TC
cr6
Entries 0
eemc_cr6
0 20 40 60 80 100 120
0 100 200 300 400 500 600 700 800 900

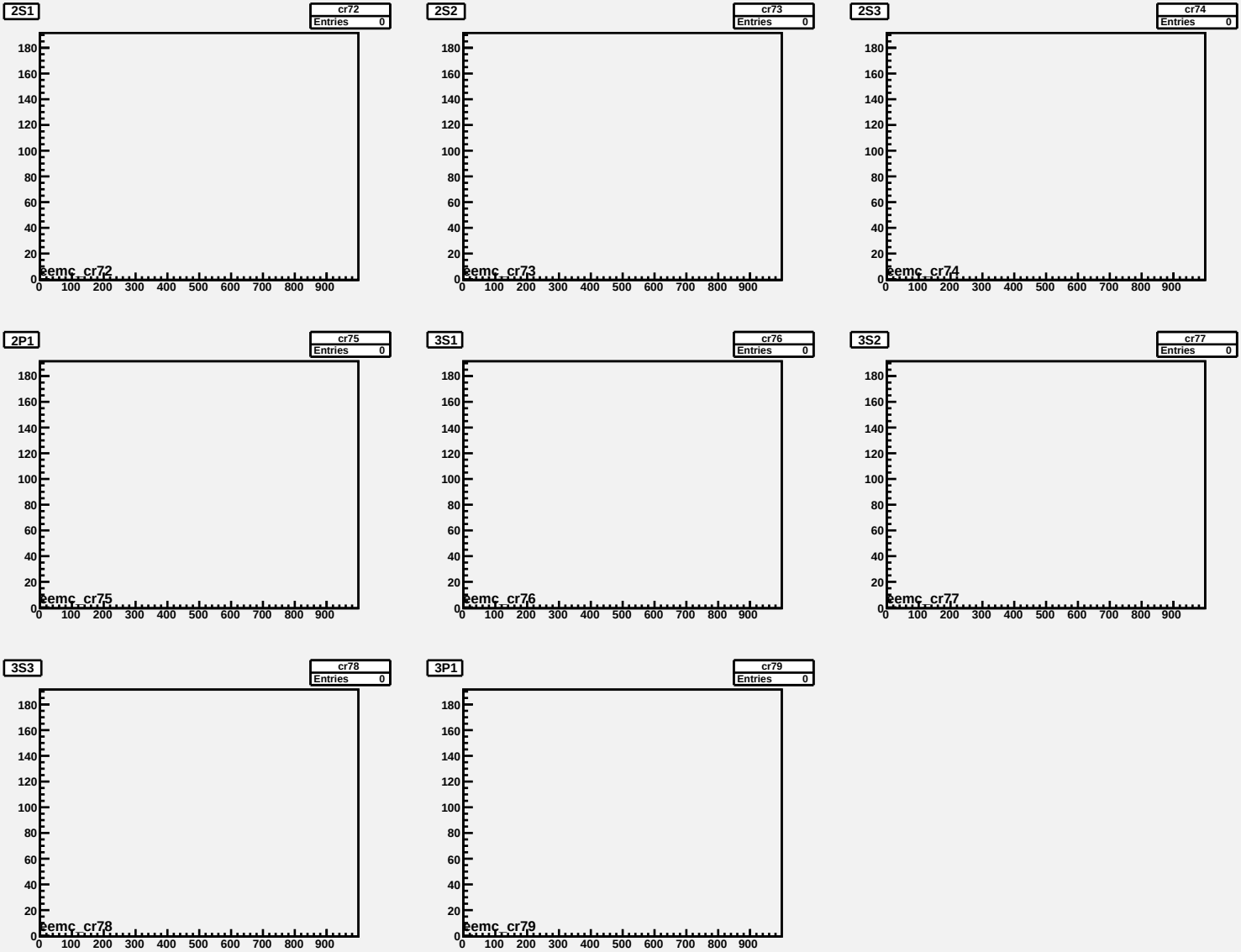

EEMC Tower hits>ped+40
TowHits
Entries 0
η bin
12
10
8
6
4
2
eemc_TowHits
0
10
20
30
40
50
phibin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

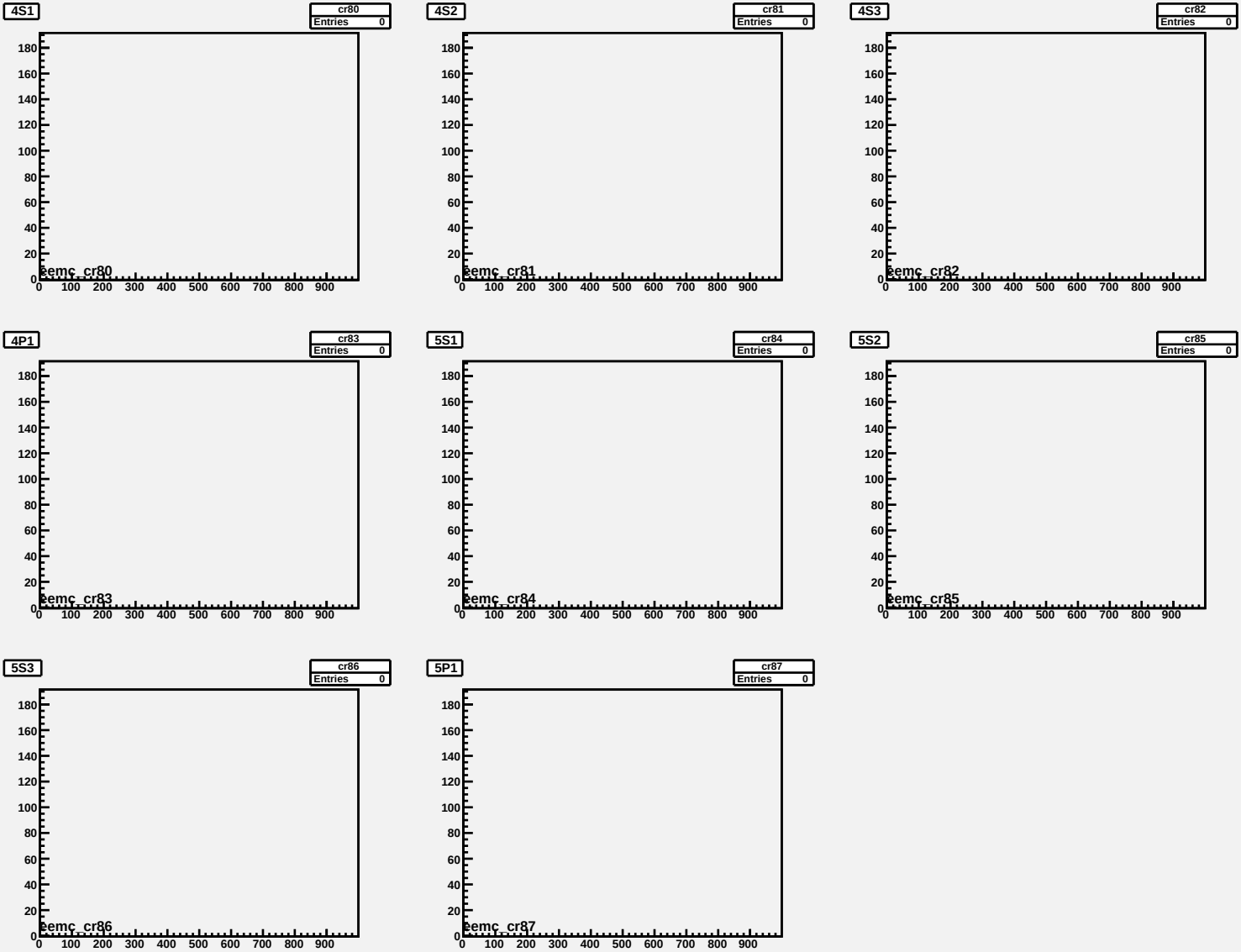

EEMC pres-1 hits>ped+200
Pre1Hits
Entries 0
η bin
12
10
8
6
4
2
eemc_Pre1Hits
0
10
20
30
40
50
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

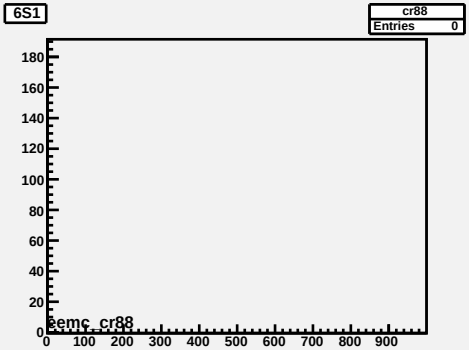

EEMC pres-2 hits>ped+200
Pre2Hits
Entries 0
η bin
12
10
8
6
4
2
eemc_Pre2Hits
0
10
20
30
40
50
phi bin: 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

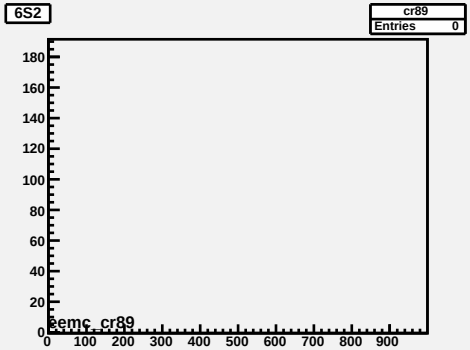

EEMC post hits>ped+50
PostHits
Entries 0
η bin
12
10
8
6
4
2
eemc_PostHits
0
10
20
30
40
50
phi bin : 1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

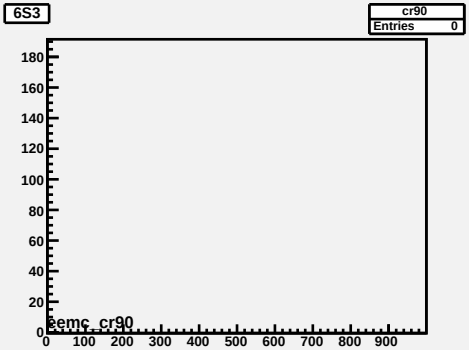

12S1
cr64
Entries 0
eemc_cr64
12S2
cr65
Entries 0
eemc_cr65
12S3
cr66
Entries 0
eemc_cr66
12P1
cr67
Entries 0
eemc_cr67
1S1
cr68
Entries 0
eemc_cr68
1S2
cr69
Entries 0
eemc_cr69
1S3
cr70
Entries 0
eemc_cr70
1P1
cr71
Entries 0
eemc_cr71
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

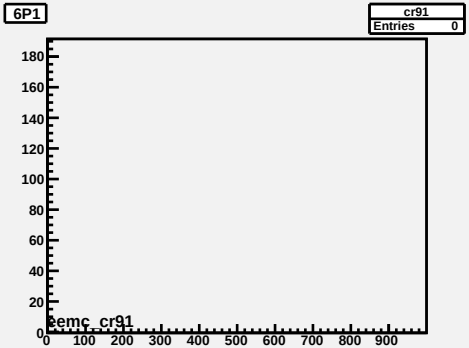

2S1
cr72
Entries 0
eemc_cr72
2S2
cr73
Entries 0
eemc_cr73
2S3
cr74
Entries 0
eemc_cr74
2P1
cr75
Entries 0
eemc_cr75
3S1
cr76
Entries 0
eemc_cr76
3S2
cr77
Entries 0
eemc_cr77
3S3
cr78
Entries 0
eemc_cr78
3P1
cr79
Entries 0
eemc_cr79

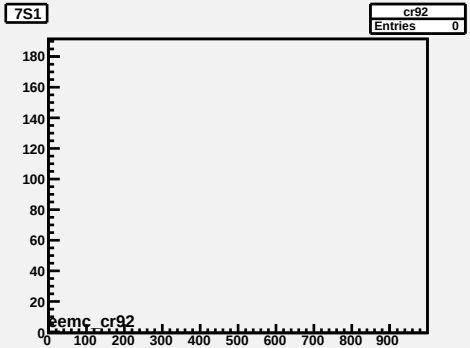

4S1
cr80
Entries 0
eemc_cr80
4S2
cr81
Entries 0
eemc_cr81
4S3
cr82
Entries 0
eemc_cr82
4P1
cr83
Entries 0
eemc_cr83
5S1
cr84
Entries 0
eemc_cr84
5S2
cr85
Entries 0
eemc_cr85
5S3
cr86
Entries 0
eemc_cr86
5P1
cr87
Entries 0
eemc_cr87

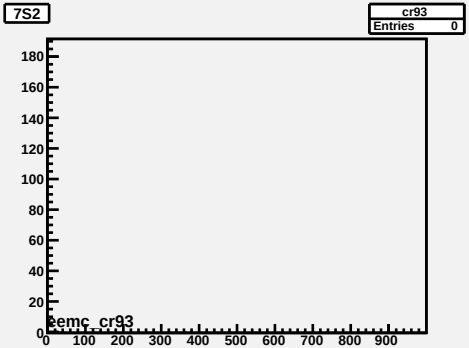

6S1
cr88
Entries 0
eemc_cr88

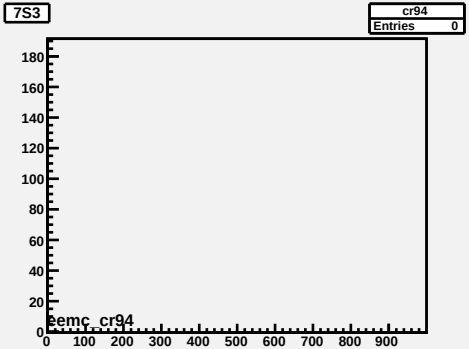

6S2
cr89
Entries 0
eemc_cr89

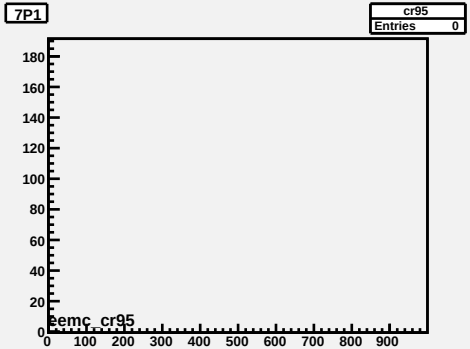

6S3
cr90
Entries 0
eemc_cr90

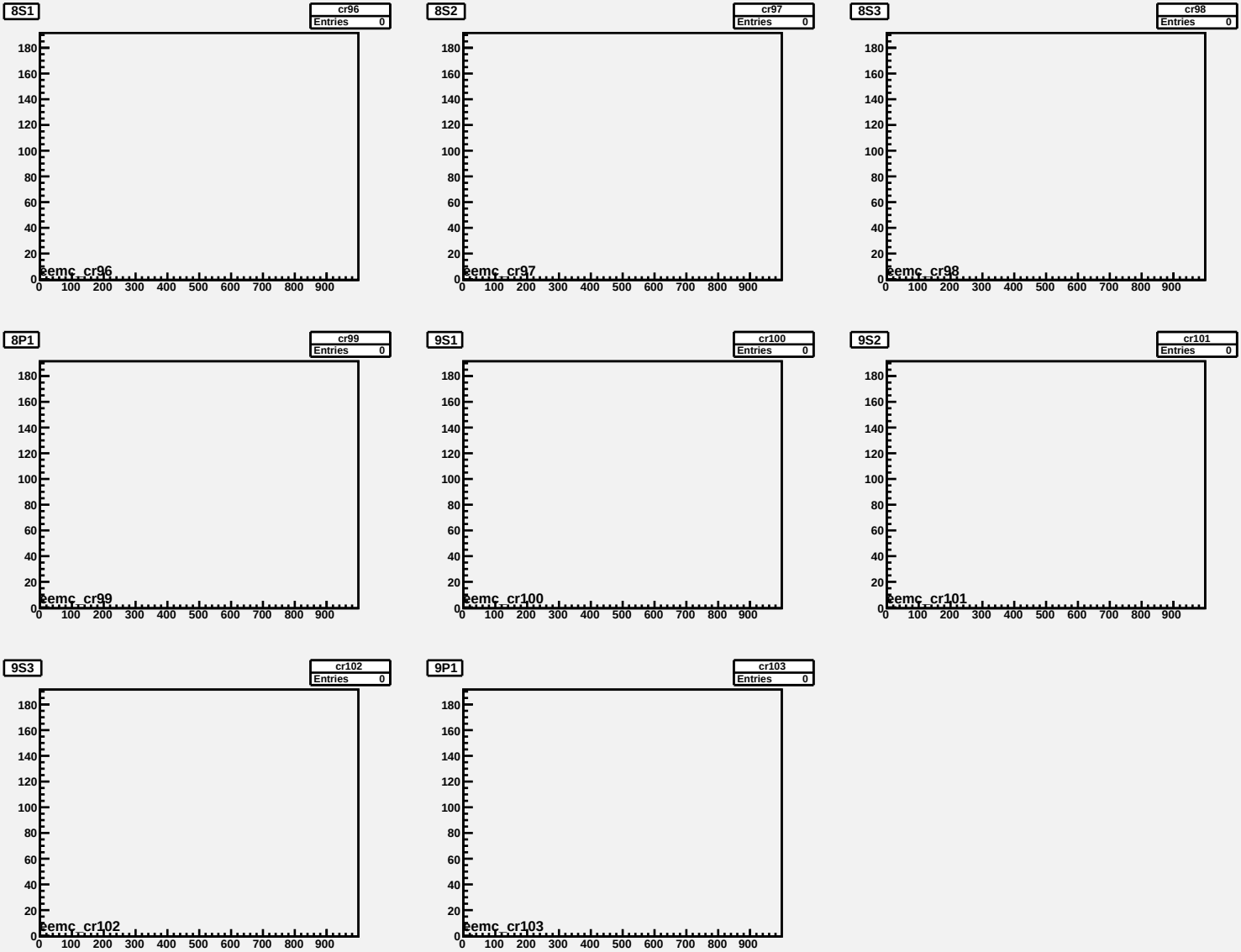

6P1
cr91
Entries 0
eemc_cr91

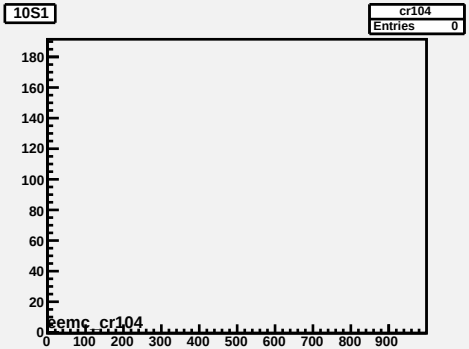

7S1
cr92
Entries 0
eemc_cr92

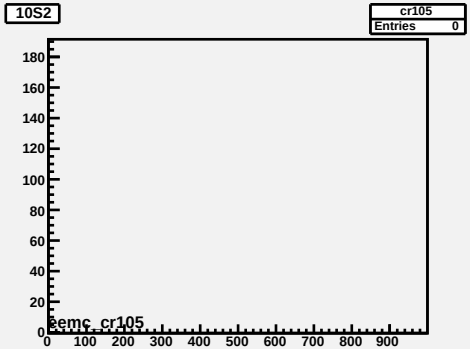

7S2
cr93
Entries 0
eemc_cr93

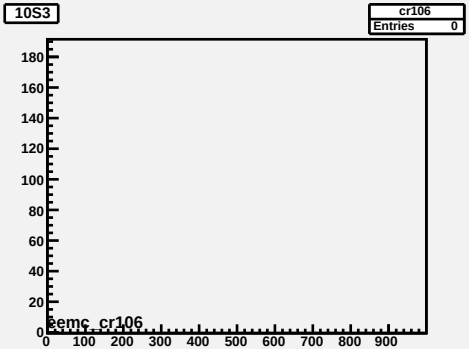

7S3
cr94
Entries 0
eemc_cr94

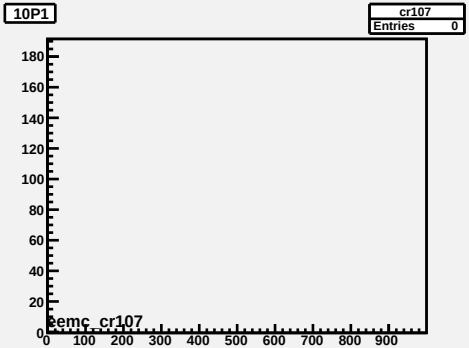

7P1
cr95
Entries 0
eemc_cr95

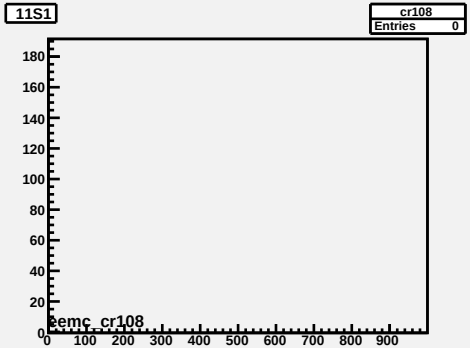

8S1
cr96
Entries 0
eemc_cr96
8S2
cr97
Entries 0
eemc_cr97
8S3
cr98
Entries 0
eemc_cr98
8P1
cr99
Entries 0
eemc_cr99
9S1
cr100
Entries 0
eemc_cr100
9S2
cr101
Entries 0
eemc_cr101
9S3
cr102
Entries 0
eemc_cr102
9P1
cr103
Entries 0
eemc_cr103
0 20 40 60 80 100 120 140 160 180
0 100 200 300 400 500 600 700 800 900

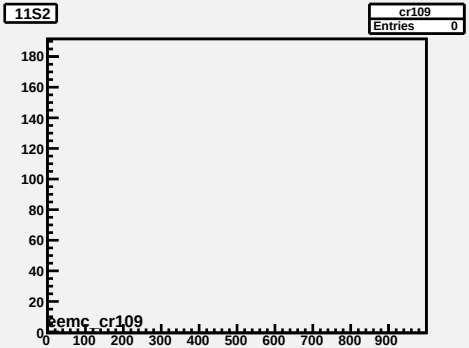

10S1
cr104
Entries 0
eemc_cr104

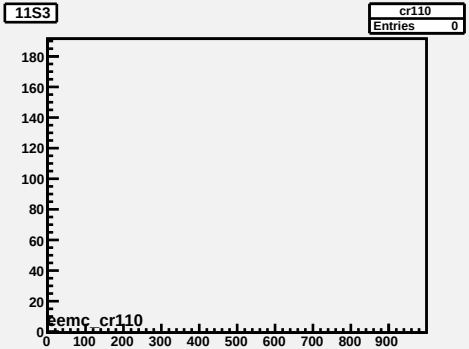

10S2
cr105
Entries 0
eemc_cr105

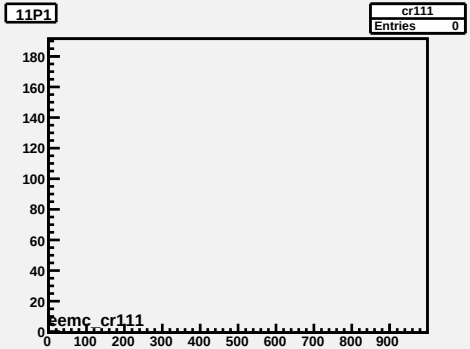

10S3
cr106
Entries 0
eemc_cr106

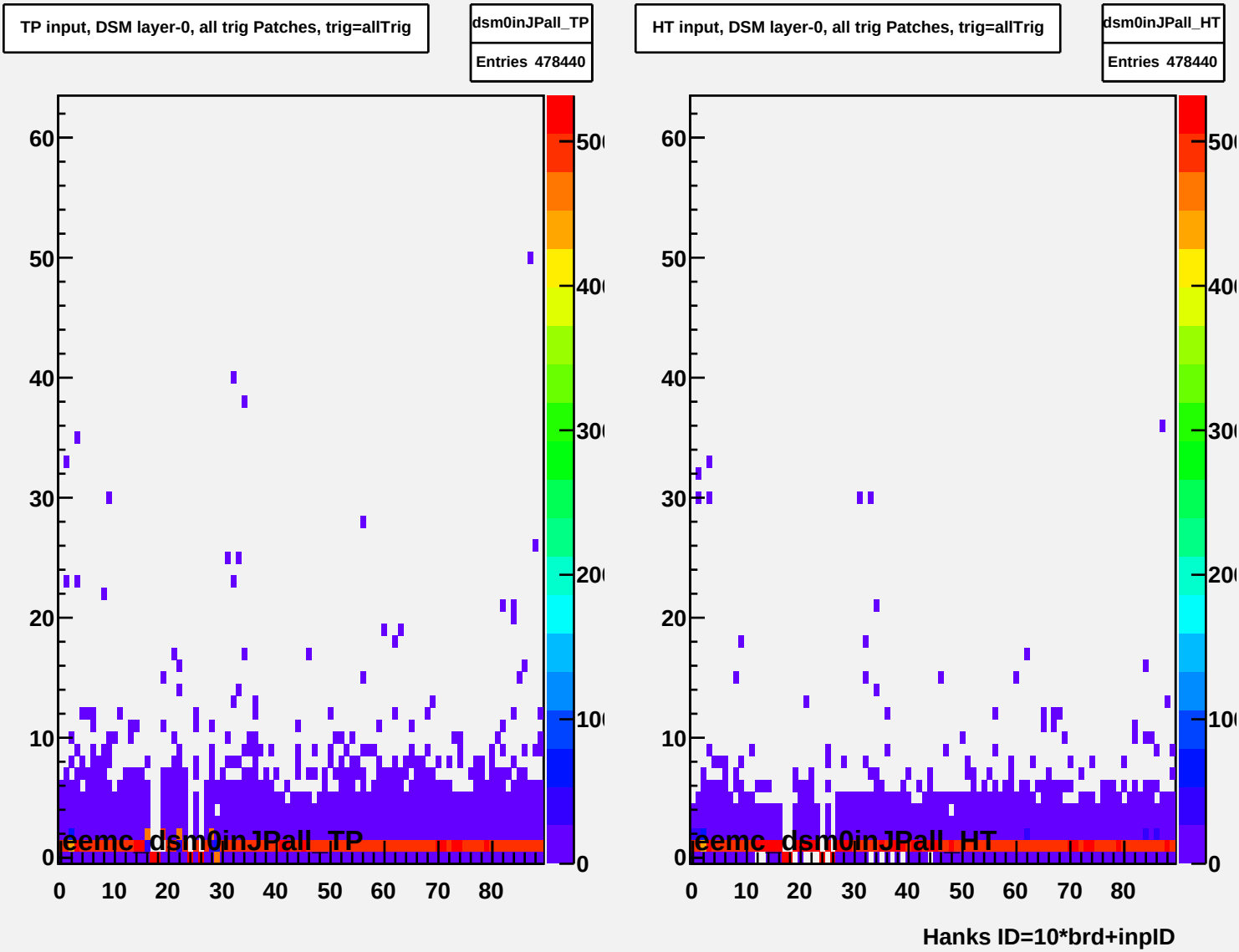

10P1
cr107
Entries 0
eemc_cr107


11S1
cr108
Entries 0
eemc_cr108


11S2
cr109
Entries 0
eemc_cr109


11S3
cr110
Entries 0
eemc_cr110


11P1
cr111
Entries 0
eemc_cr111


TP input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_TP
Entries 478440
eemc_dsm0inJPall_TP
HT input, DSM layer-0, all trig Patches, trig=allTrig
dsm0inJPall_HT
Entries 478440
eemc_dsm0inJPall_HT
Hanks ID=10*brd+inpID

mtd_MTD_LE_hitmap

mtd_MTD_TE_hitmap

mtd_MTD_ToT

mtd_MTD_eastT_vs_westT

mtd_MTD_eastT_westT

mtd_MTD_hits_vs_TOF_hits

mtd_MTD_east_adc

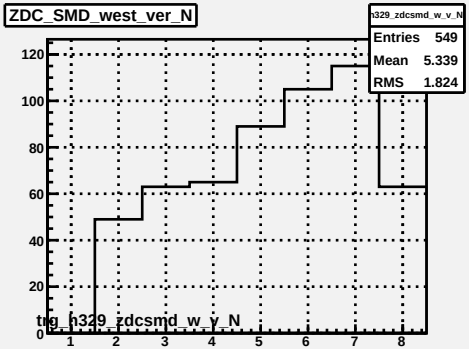
mtd_MTD_west_adc

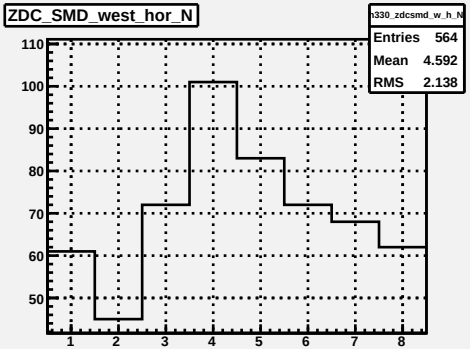
mtd_MTD_east_tac

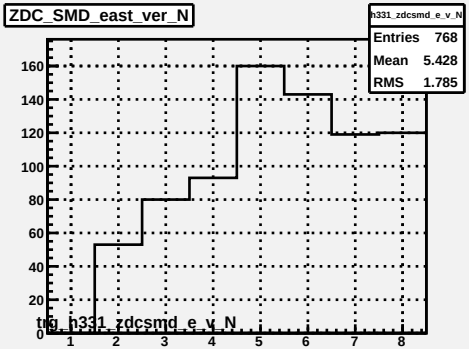
mtd_MTD_west_tac

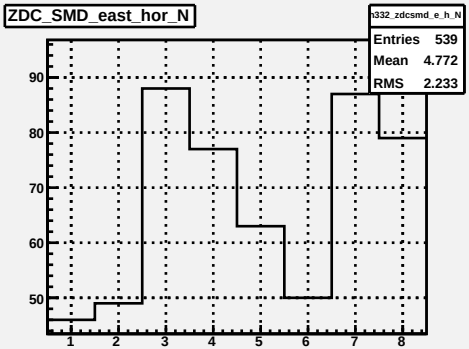
mtd_MTD_eastTac_vs_westTac

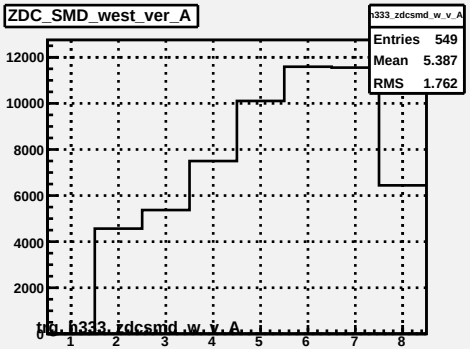
mtd_MTD_aveTac_vs_vpd_aveTac

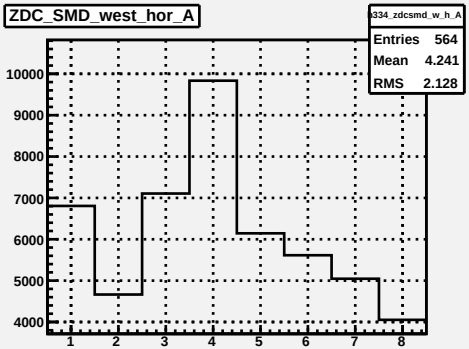

ZDC_SMD_west_ver_N
h329_zdcsmd_w_v_N
Entries 549
Mean 5.339
RMS 1.824
trg_h329_zdcsmd_w_v_N

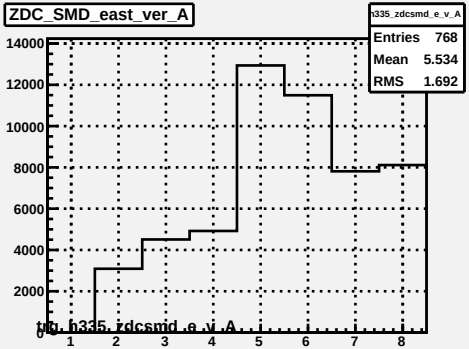

ZDC_SMD_west_hor_N
h330_zdcsmd_w_h_N
Entries 564
Mean 4.592
RMS 2.138

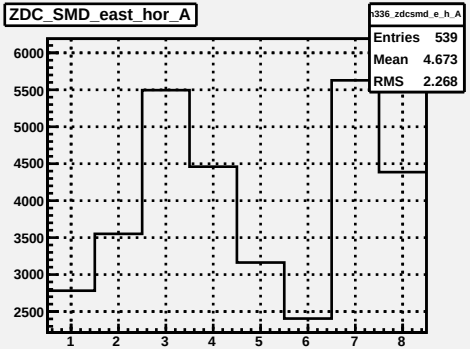

ZDC_SMD_east_ver_N
h331_zdcsmd_e_v_N
Entries 768
Mean 5.428
RMS 1.785
trg_h331_zdcsmd_e_v_N


ZDC_SMD_east_hor_N
h332_zdcsmd_e_h_N
Entries 539
Mean 4.772
RMS 2.233


ZDC_SMD_west_ver_A
h333_zdcsmd_w_v_A
Entries 549
Mean 5.387
RMS 1.762
trg_h333_zdcsmd_w_v_A


ZDC_SMD_west_hor_A
h334_zdcsmd_w_h_A
Entries 564
Mean 4.241
RMS 2.128


ZDC_SMD_east_ver_A
h335_zdcsmd_e_v_A
Entries 768
Mean 5.534
RMS 1.692
trg_h335_zdcsmd_e_v_A


ZDC_SMD_east_hor_A
h336_zdcsmd_e_h_A
Entries 539
Mean 4.673
RMS 2.268

pmd_h382_pmd_Chain_1

pmd_h383_pmd_Chain_2

pmd_h384_pmd_Chain_3

pmd_h385_pmd_Chain_4

pmd_h386_pmd_Chain_5

pmd_h387_pmd_Chain_6

pmd_h388_pmd_Chain_7

pmd_h389_pmd_Chain_8

pmd_h390_pmd_Chain_9

pmd_h391_pmd_Chain_10

pmd_h392_pmd_Chain_11

pmd_h393_pmd_Chain_12

pmd_h394_pmd_Chain_13

pmd_h395_pmd_Chain_14

pmd_h396_pmd_Chain_15

pmd_h397_pmd_Chain_16

pmd_h398_pmd_Chain_17

pmd_h399_pmd_Chain_18

pmd_h400_pmd_Chain_19

pmd_h401_pmd_Chain_20

pmd_h402_pmd_Chain_21

pmd_h403_pmd_Chain_22

pmd_h404_pmd_Chain_23

pmd_h405_pmd_Chain_24

pmd_h406_pmd_Chain_25

pmd_h407_pmd_Chain_26

pmd_h408_pmd_Chain_27

pmd_h409_pmd_Chain_28

pmd_h410_pmd_Chain_29

pmd_h411_pmd_Chain_30

pmd_h412_pmd_Chain_31

pmd_h413_pmd_Chain_32

pmd_h414_pmd_Chain_33

pmd_h415_pmd_Chain_34

pmd_h416_pmd_Chain_35

pmd_h417_pmd_Chain_36

pmd_h418_pmd_Chain_37

pmd_h419_pmd_Chain_38

pmd_h420_pmd_Chain_39

pmd_h421_pmd_Chain_40

pmd_h422_pmd_Chain_41

pmd_h423_pmd_Chain_42

pmd_h424_pmd_Chain_43

pmd_h425_pmd_Chain_44

pmd_h426_pmd_Chain_45

pmd_h427_pmd_Chain_46

pmd_h428_pmd_Chain_47

pmd_h429_pmd_Chain_48

pmd_h430_pmd_Chain_vs_channel

pmd_h431_pmd_Chain_vs_channel_adc

Mon Mar 21 14:00:21 2011