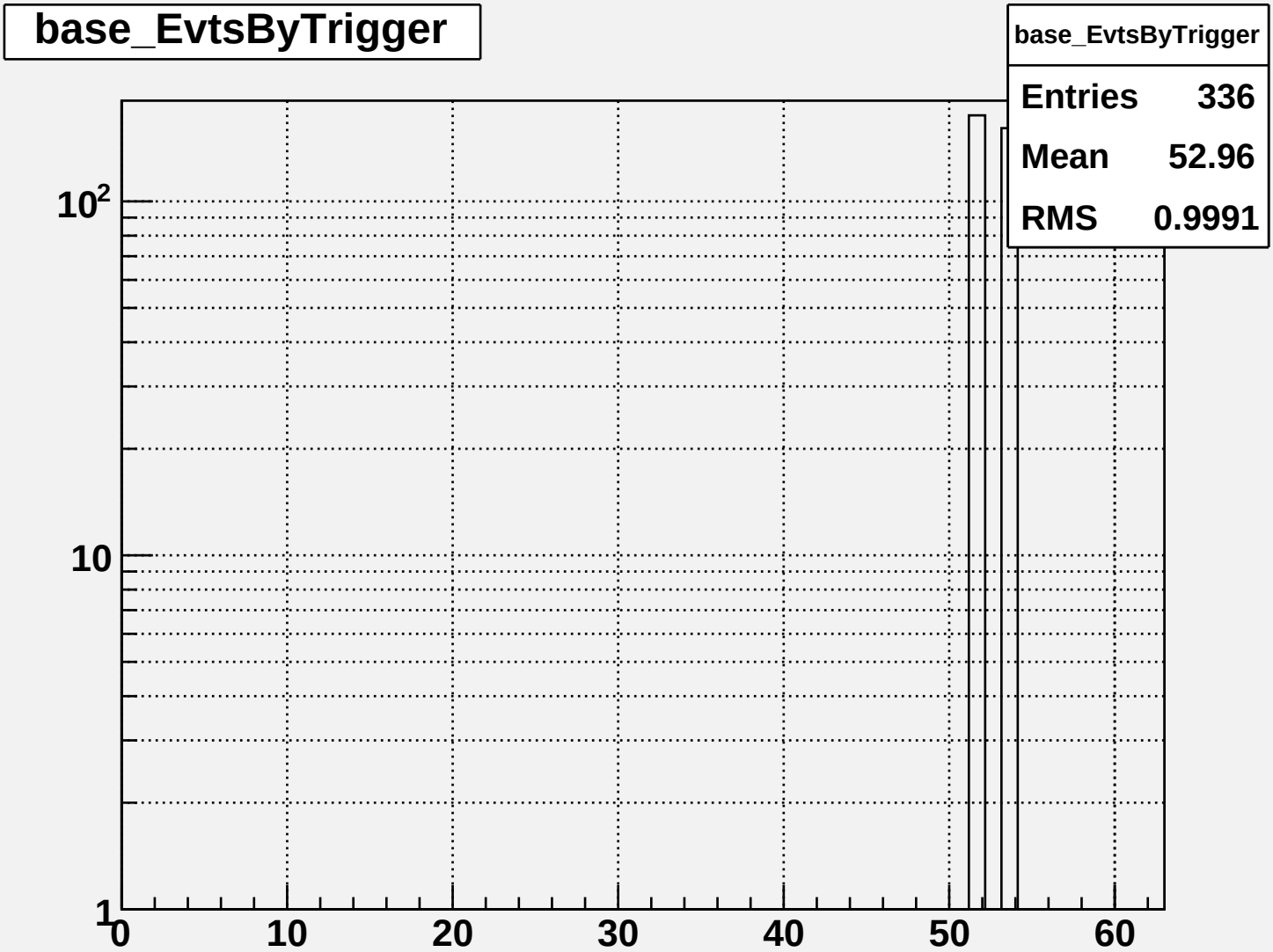
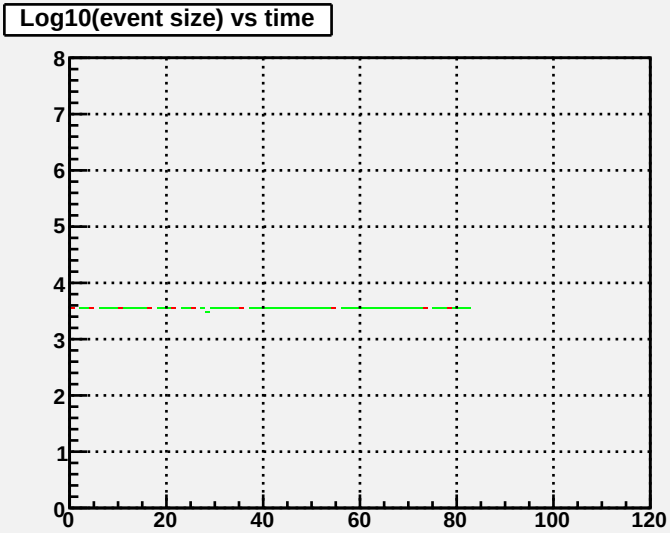
JevpSummary

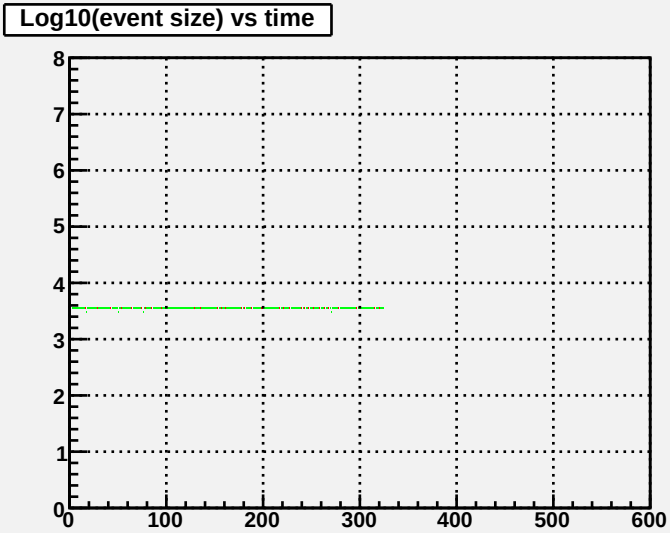
# Run #12027008: (running for 339 seconds)

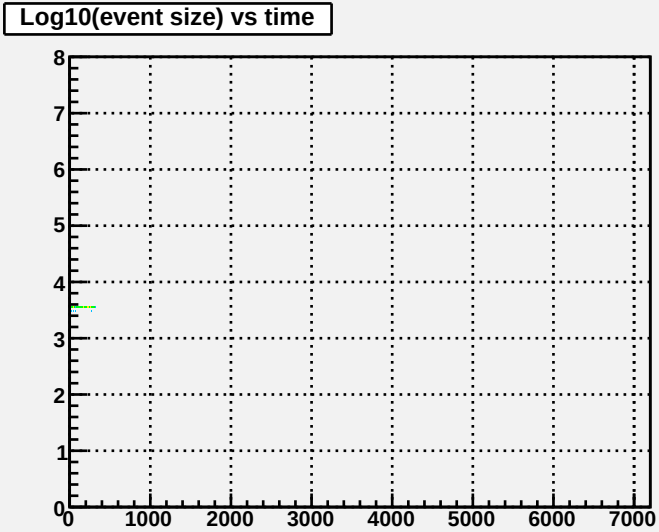
**Tags: |trg|**

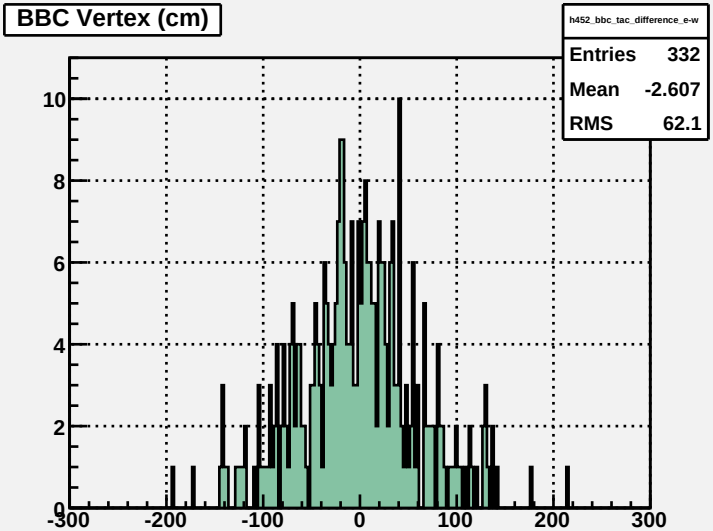
```
builder      base*:  (run #12027008, status running, events 332, evttime 3
builder       bbc*:  (run #12027008, status running, events 332, evttime 33
builder      bemc*:  (run #12027008, status running, events 333, evttime 3
builder       daq*:  (run #12027008, status running, events 336, evttime 33
builder      eemc*:  (run #12027008, status running, events 336, evttime 3
builder       fpd*:  (run #12027008, status running, events 334, evttime 33
builder       ftp*:  (run #12027008, status running, events 335, evttime 339
builder       hlt*:  (run #12027008, status running, events 337, evttime 339
builder        l3*:  (run #12027008, status running, events 334, evttime 339
builder       tof*:  (run #12027008, status running, events 340, evttime 339
builder       tpx*:  (run #12027008, status running, events 329, evttime 33
builder       trg*:  (run #12027008, status running, events 333, evttime 339
builder       upc*:  (run #12027008, status running, events 332, evttime 33
```

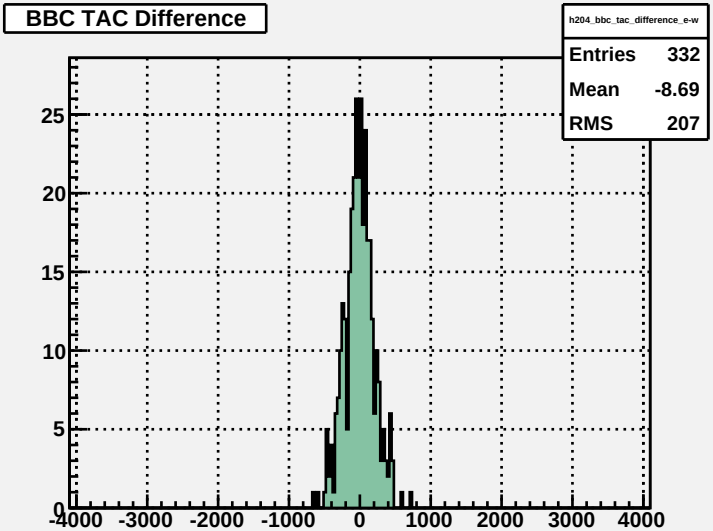

base_EvtsByTrigger
base_EvtsByTrigger
Entries 336
Mean 52.96
RMS 0.9991
$10^2$
10
1
0
10
20
30
40
50
60

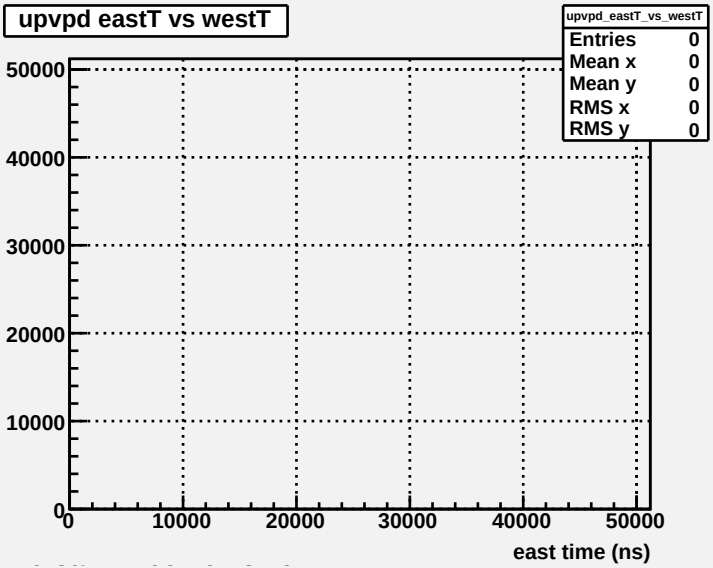

Log10(event size) vs time
0
1
2
3
4
5
6
7
8
0
20
40
60
80
100
120

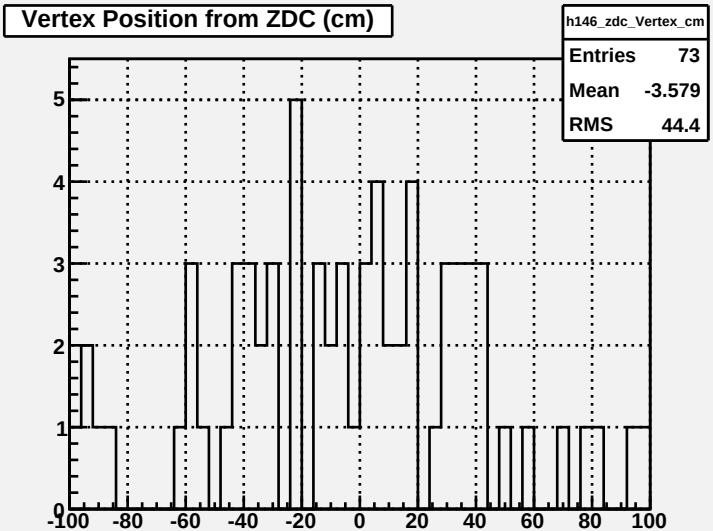

Log10(event size) vs time
0
1
2
3
4
5
6
7
8
0
100
200
300
400
500
600

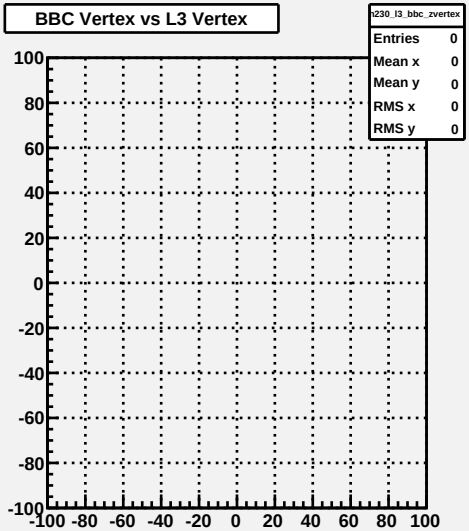

Log10(event size) vs time
0
1
2
3
4
5
6
7
8
0
1000
2000
3000
4000
5000
6000
7000

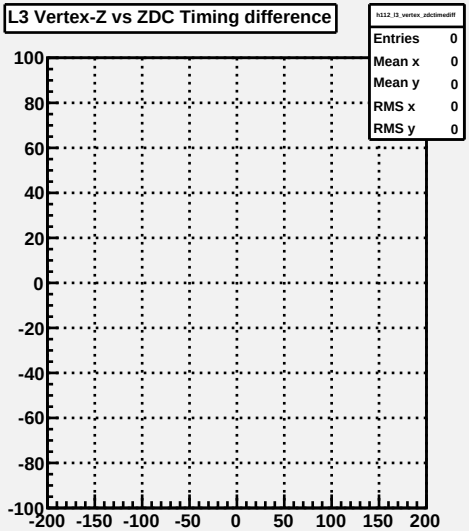

BBC Vertex (cm)
h452_bbc_tac_difference_e-w
Entries 332
Mean -2.607
RMS 62.1

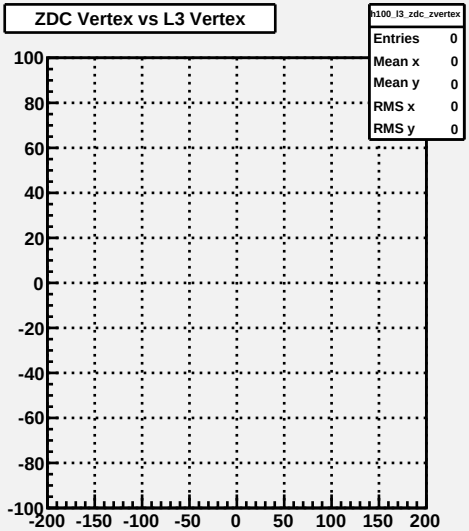

BBC TAC Difference
h204_bbc_tac_difference_e-w
Entries 332
Mean -8.69
RMS 207

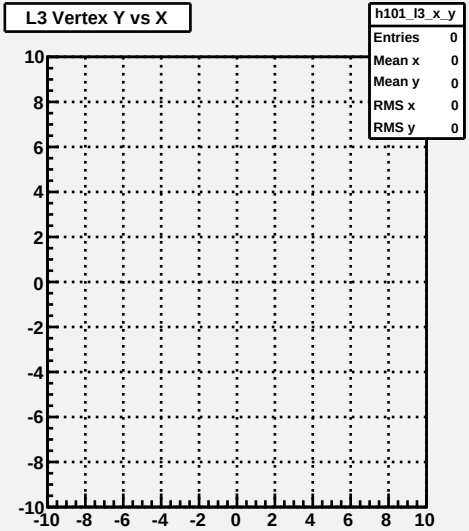

upvpd eastT vs westT
upvpd_eastT_vs_westT
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0
east time (ns)

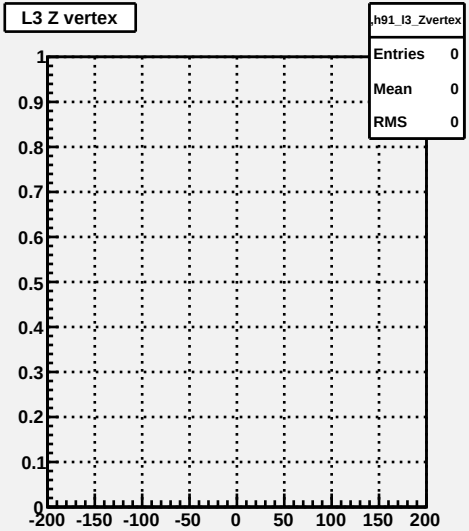

Vertex Position from ZDC (cm)
h146_zdc_Vertex_cm
Entries 73
Mean -3.579
RMS 44.4

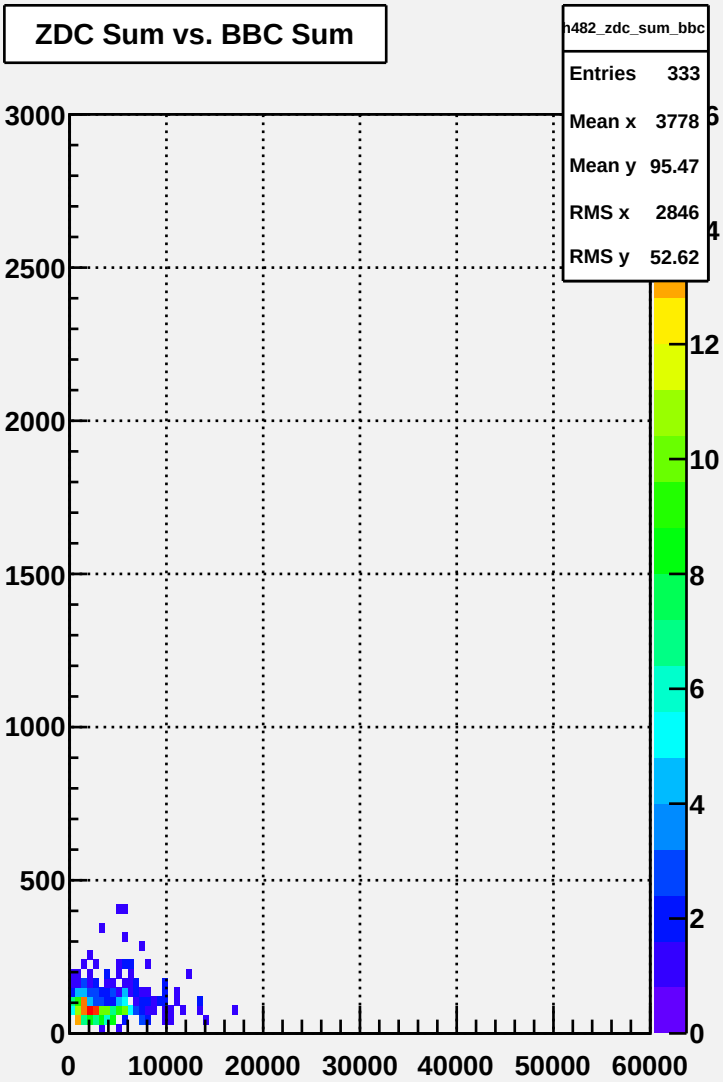

BBC Vertex vs L3 Vertex
h230_l3_bbc_zvertex
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0

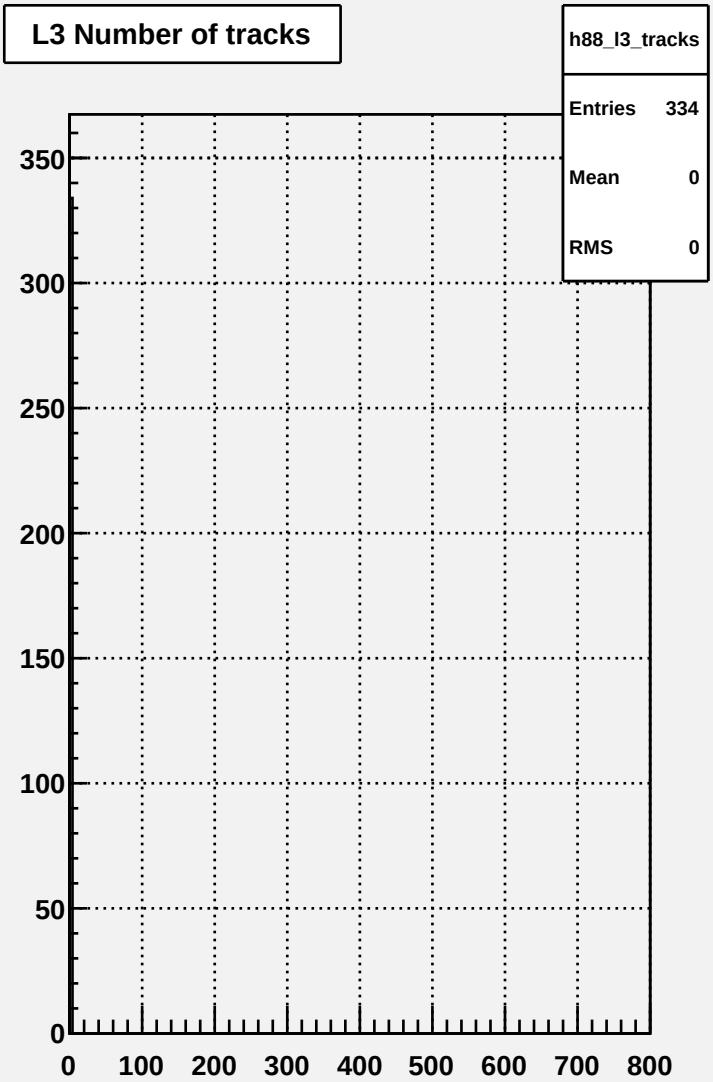

L3 Vertex-Z vs ZDC Timing difference
h112_l3_vertex_zdctimediff
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0

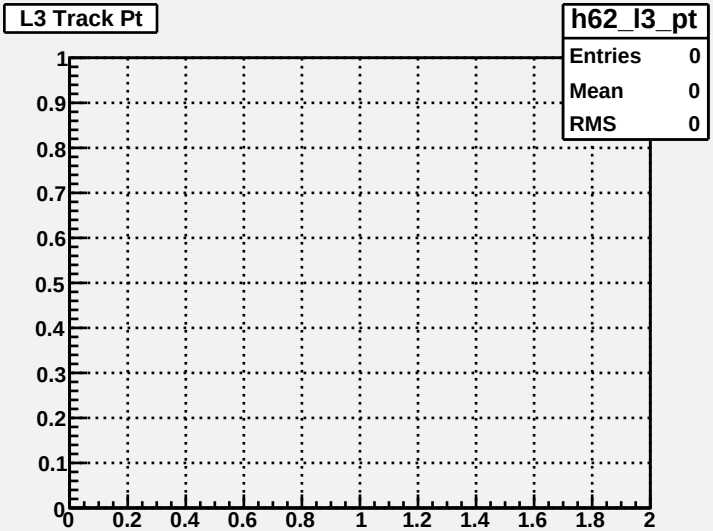

ZDC Vertex vs L3 Vertex
h100_l3_zdc_zvertex
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0

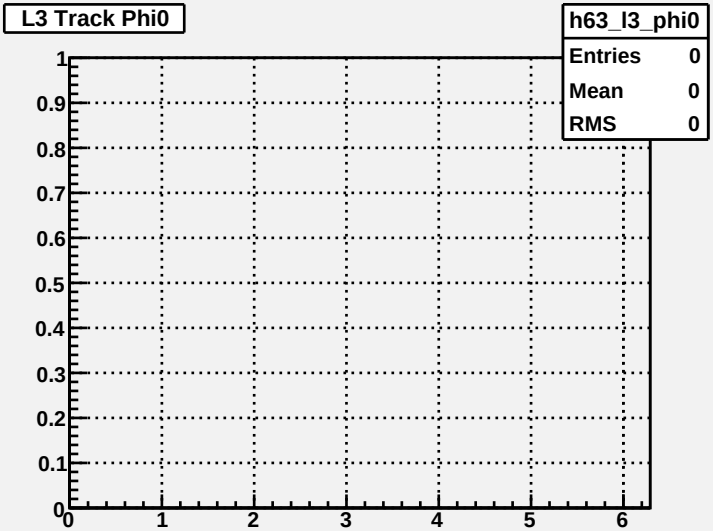

L3 Vertex Y vs X
h101_l3_x_y
Entries 0
Mean x 0
Mean y 0
RMS x 0
RMS y 0

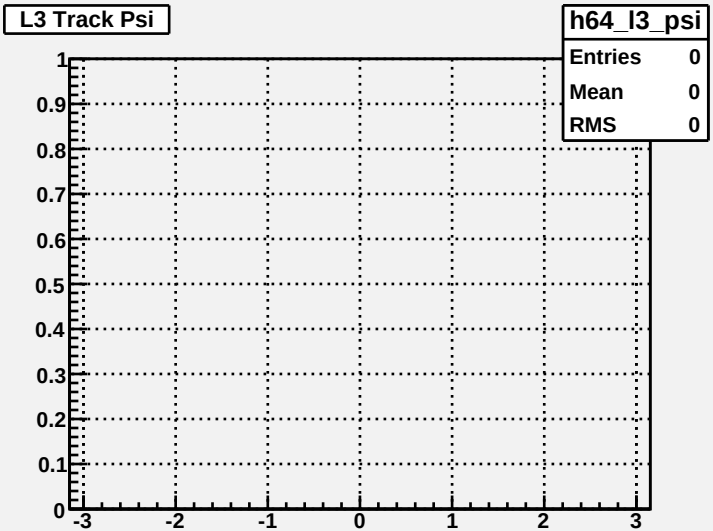

L3 Z vertex
h91_l3_Zvertex
Entries 0
Mean 0
RMS 0

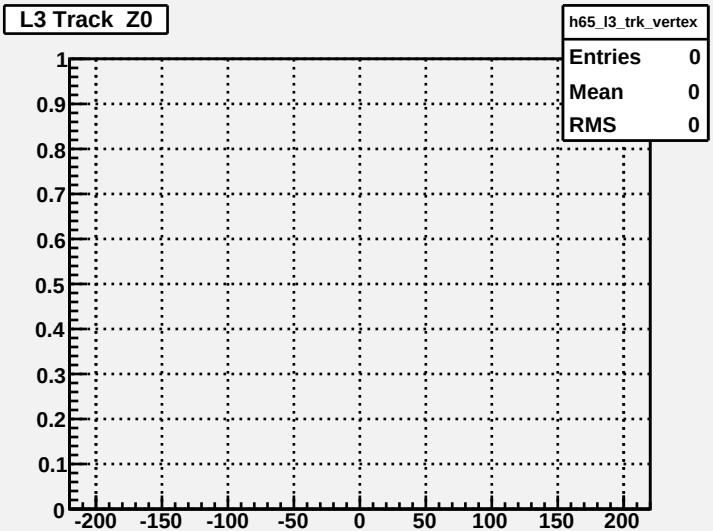

ZDC Sum vs. BBC Sum
h482_zdc_sum_bbc
Entries 333
Mean x 3778
Mean y 95.47
RMS x 2846
RMS y 52.62
3000
2500
2000
1500
1000
500
0
0
10000
20000
30000
40000
50000
60000
12
10
8
6
4
2
0

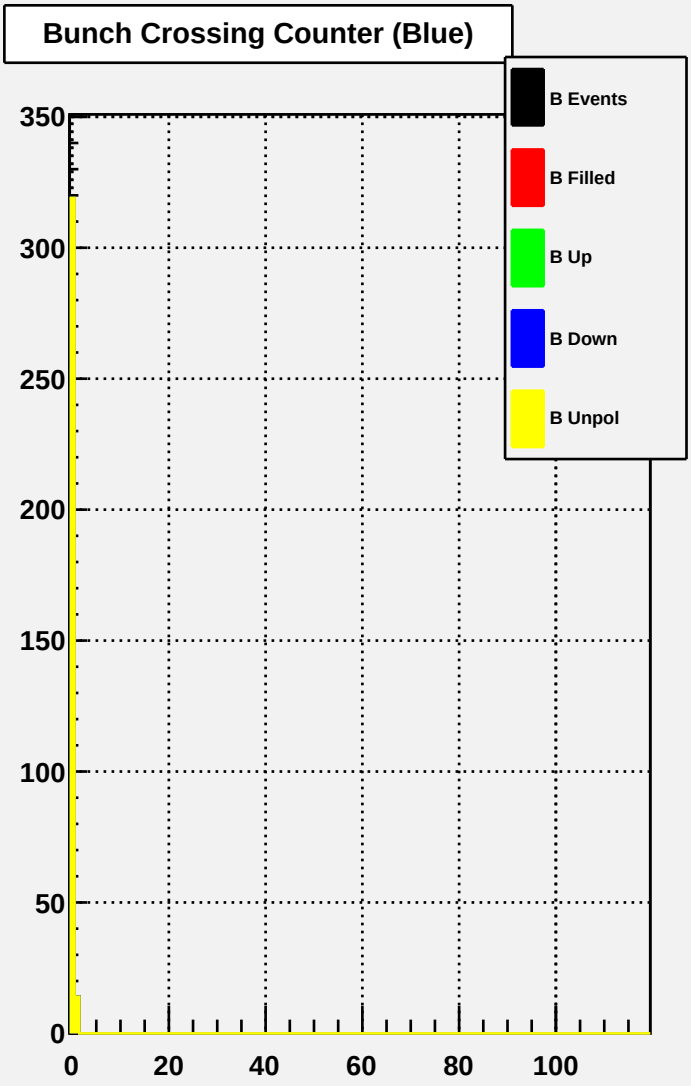

L3 Number of tracks
h88_l3_tracks
Entries 334
Mean 0
RMS 0
350
300
250
200
150
100
50
0
0
100
200
300
400
500
600
700
800

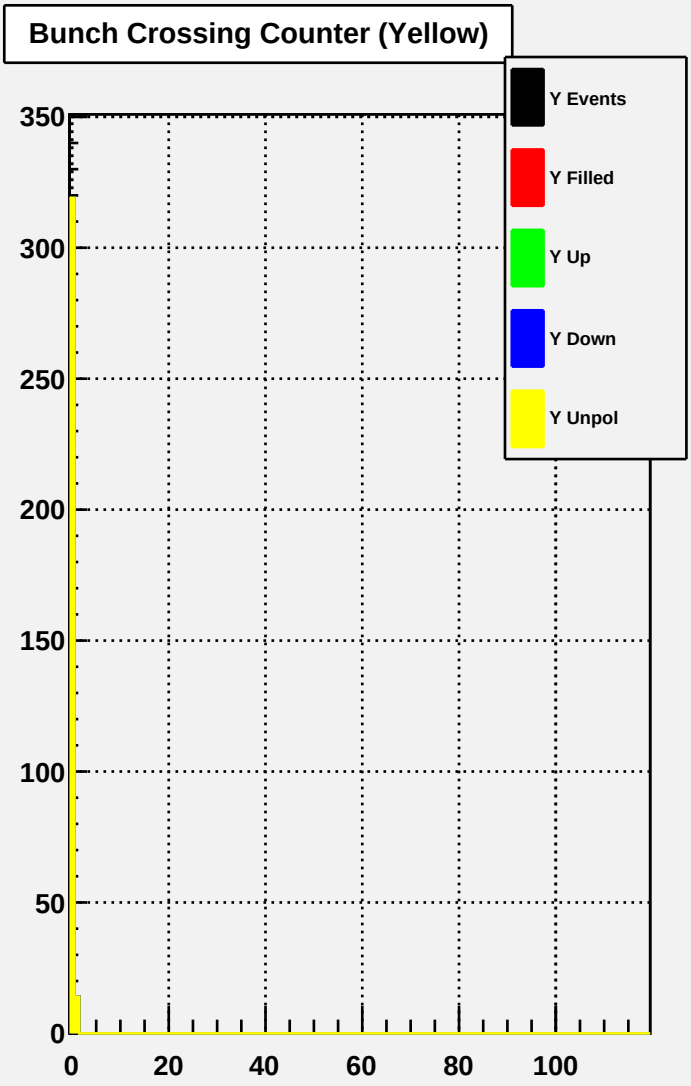

L3 Track Pt
h62_l3_pt
Entries 0
Mean 0
RMS 0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
0 0.2 0.4 0.6 0.8 1 1.2 1.4 1.6 1.8 2


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

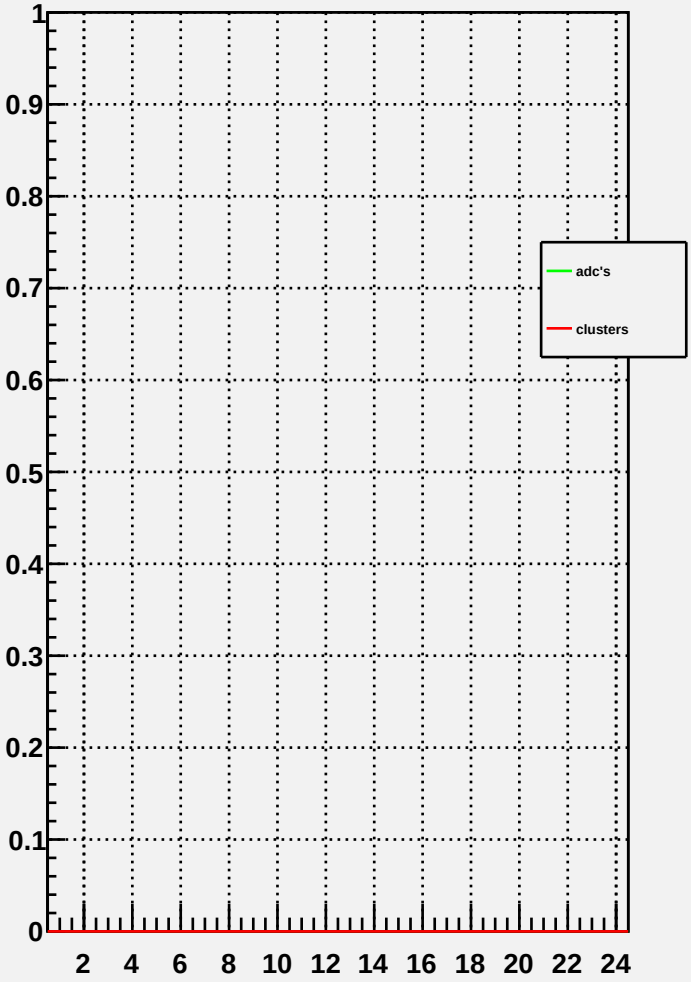

L3 Track Psi
h64_l3_psi
Entries 0
Mean 0
RMS 0
0 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1
-3 -2 -1 0 1 2 3


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

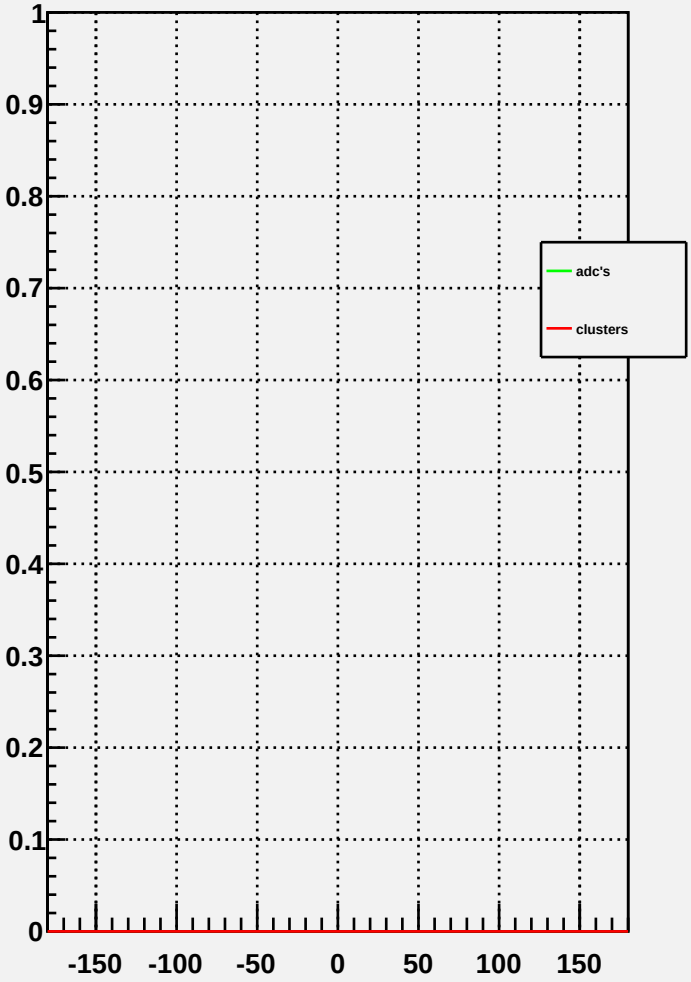

Bunch Crossing Counter (Blue)
B Events
B Filled
B Up
B Down
B Unpol
350
300
250
200
150
100
50
0
0
20
40
60
80
100

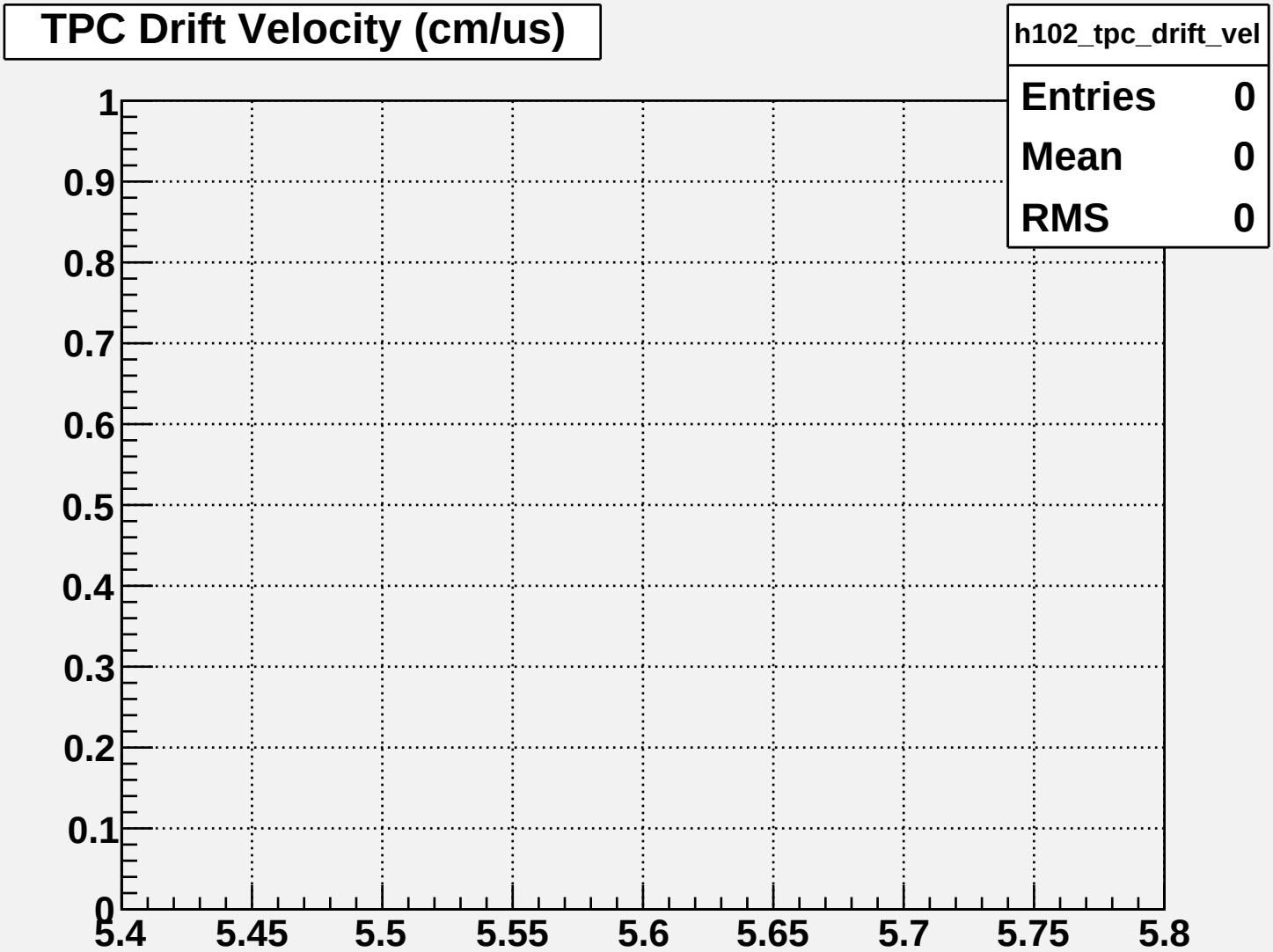

Bunch Crossing Counter (Yellow)
Y Events
Y Filled
Y Up
Y Down
Y Unpol
350
300
250
200
150
100
50
0
0
20
40
60
80
100

TPC Charge per Sector

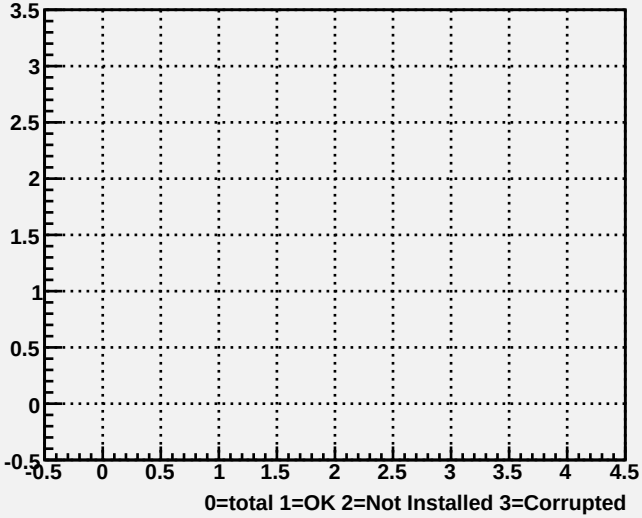



Azimuthal Distribution of TPC Charge

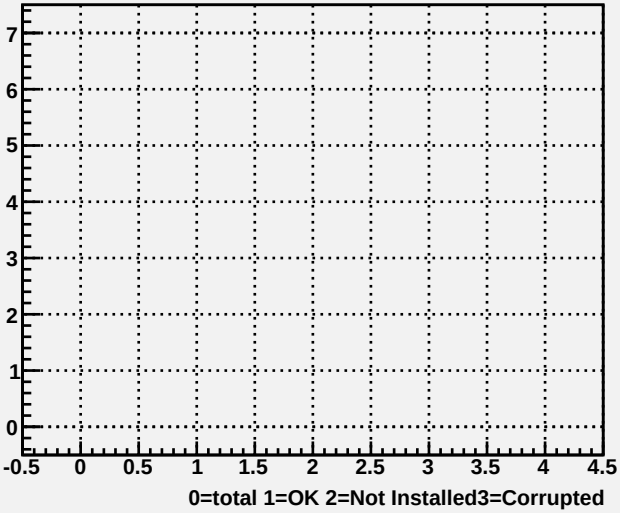



TPC Drift Velocity (cm/us)
h102_tpc_drift_vel
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
5.4
5.45
5.5
5.55
5.6
5.65
5.7
5.75
5.8

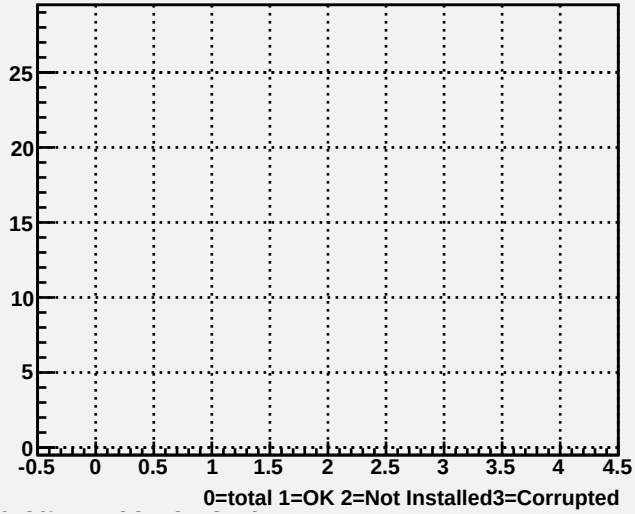
BEMC PSD Status

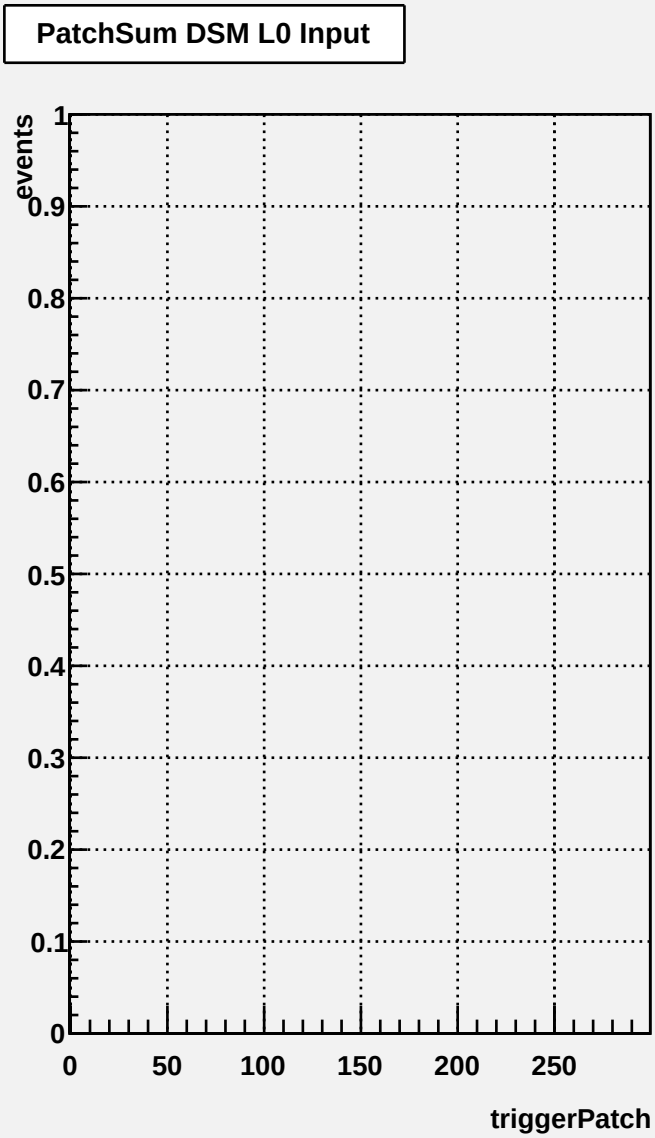


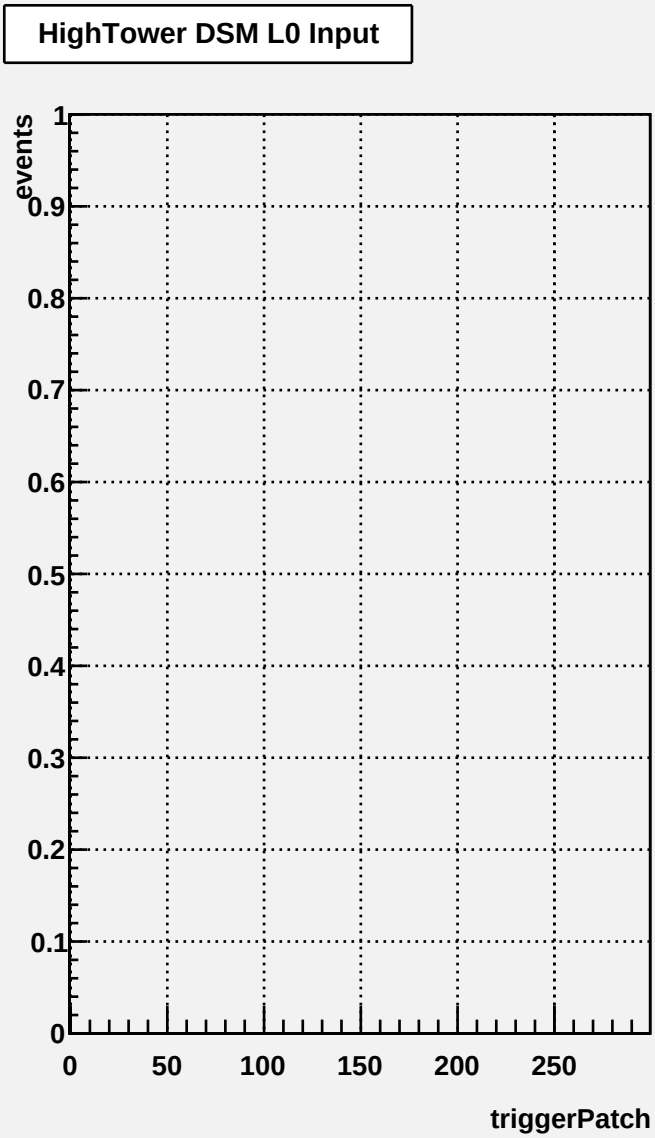

BEMC SMD Status



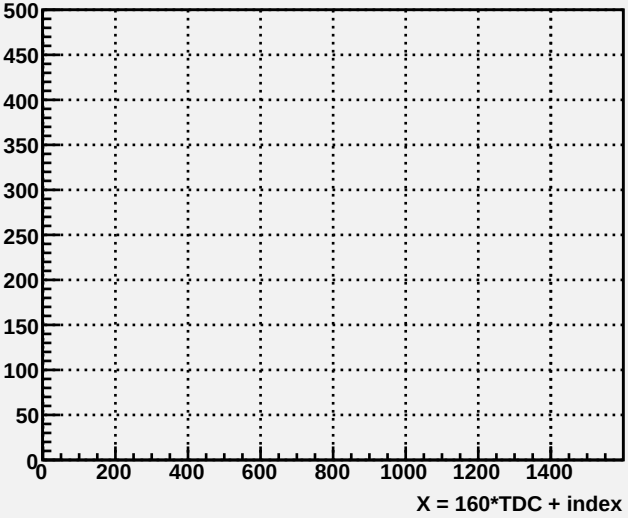

BEMC TDC Status



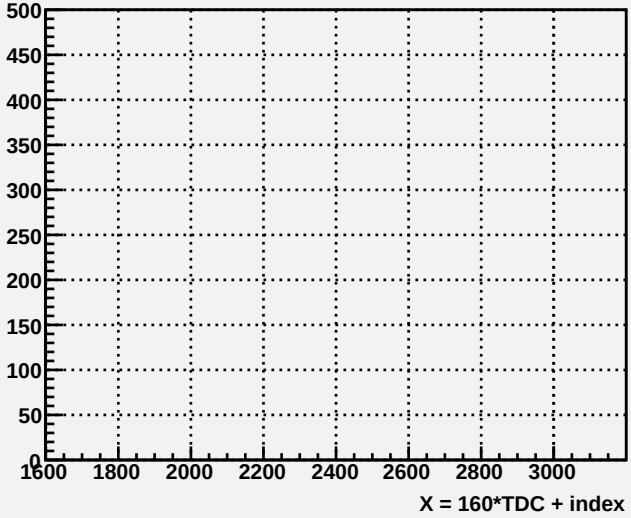

PatchSum DSM L0 Input
events
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250
triggerPatch


HighTower DSM L0 Input
events
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
triggerPatch

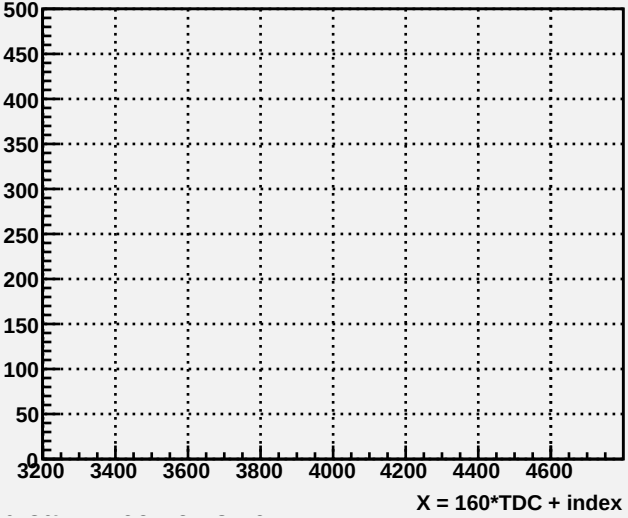
BEMC tower spectrum 0 < TDC < 10

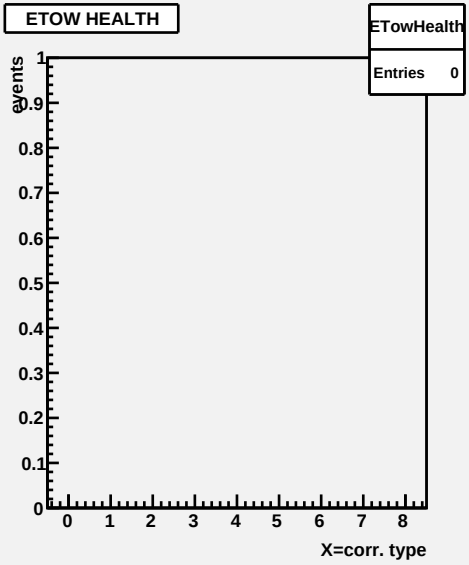


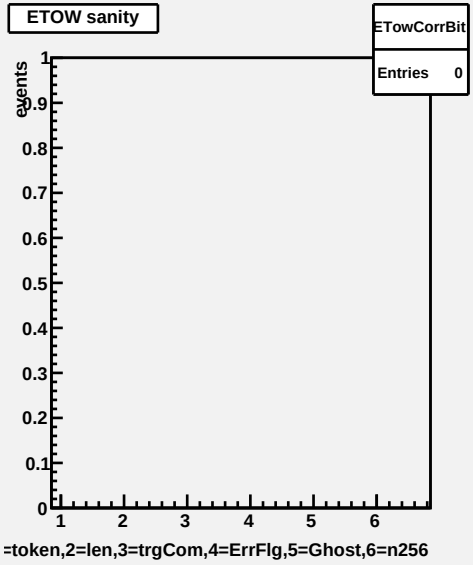

BEMC tower spectrum 10 < TDC < 20

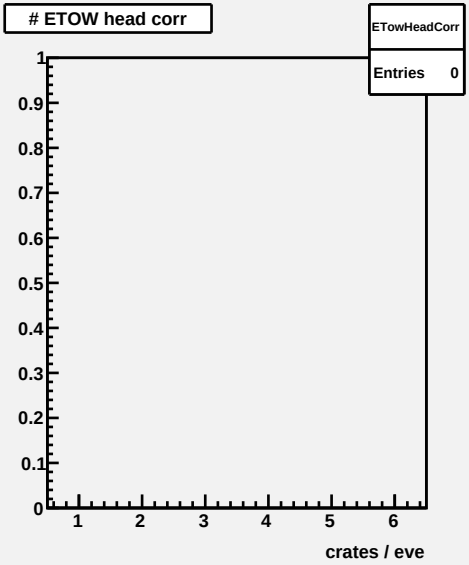


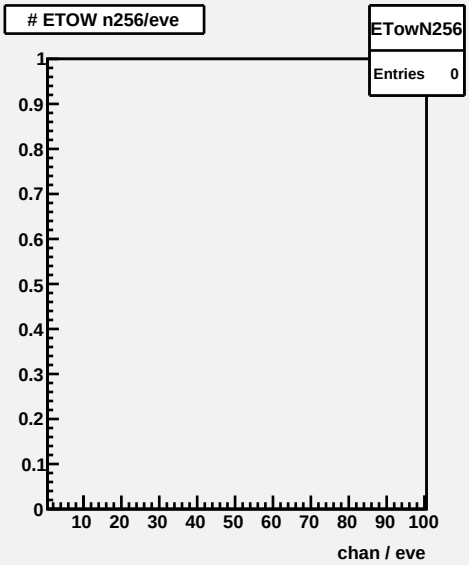

BEMC tower spectrum 20 < TDC < 30

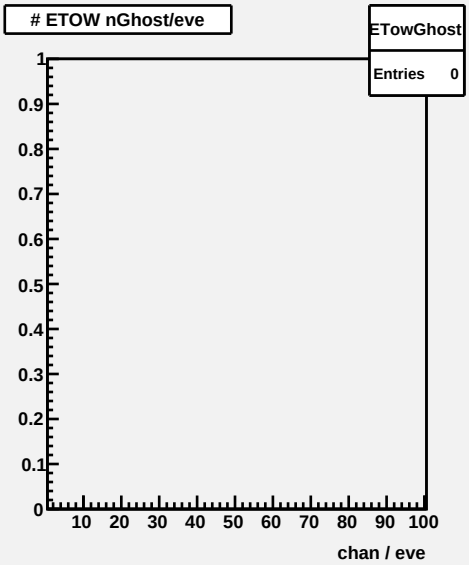


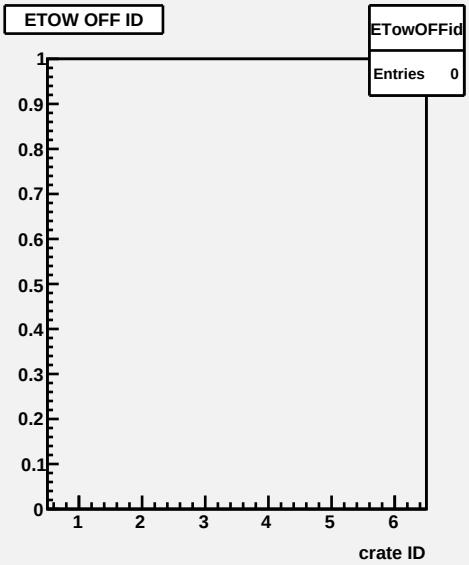

ETOW HEALTH
ETowHealth
Entries 0
events
X=corr. type

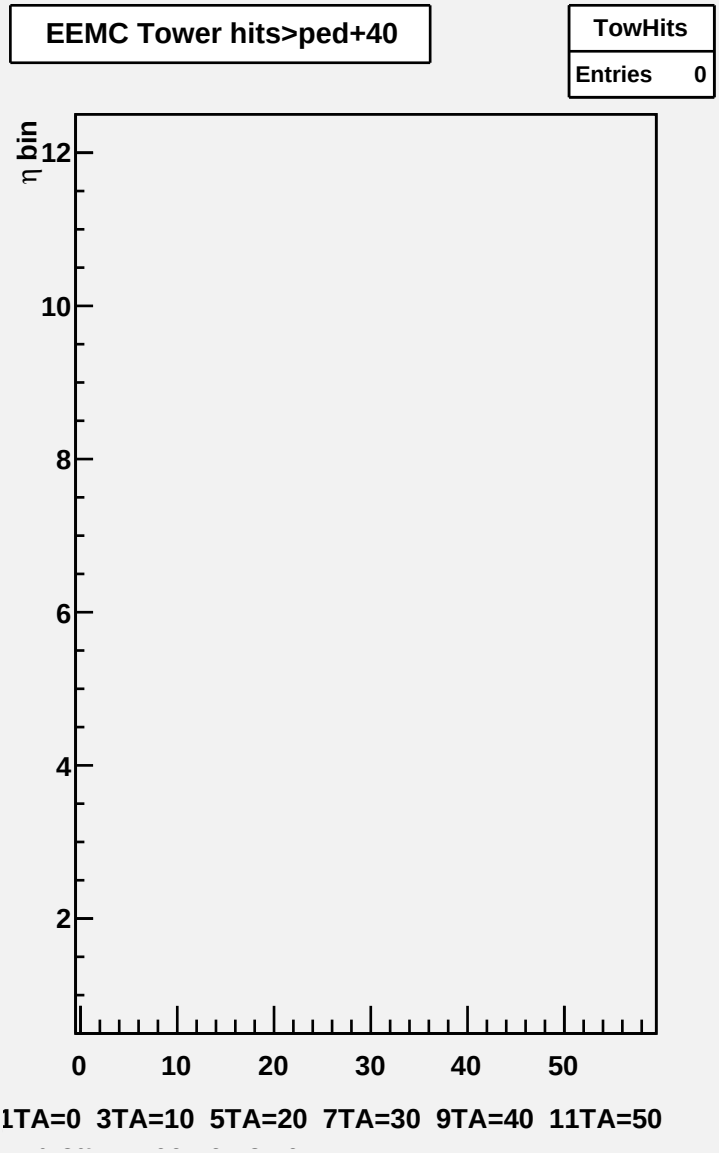

ETOW sanity
ETowCorrBit
Entries 0
events
=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

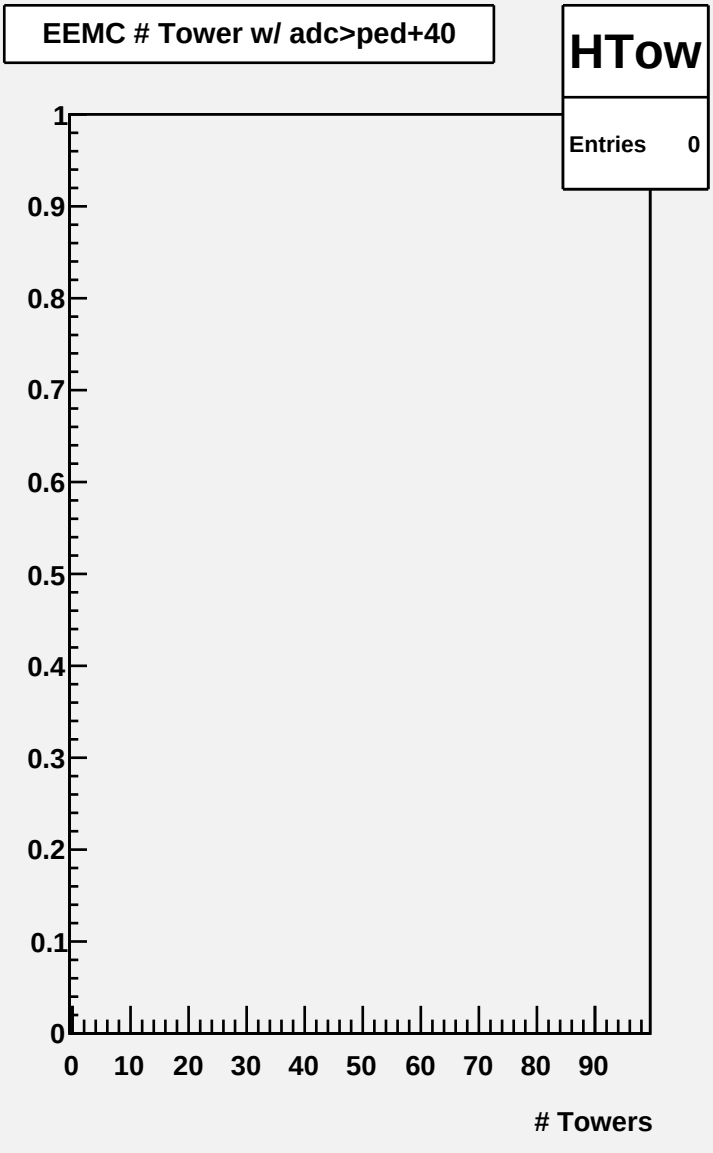

# ETOW head corr
ETowHeadCorr
Entries 0
crates / eve

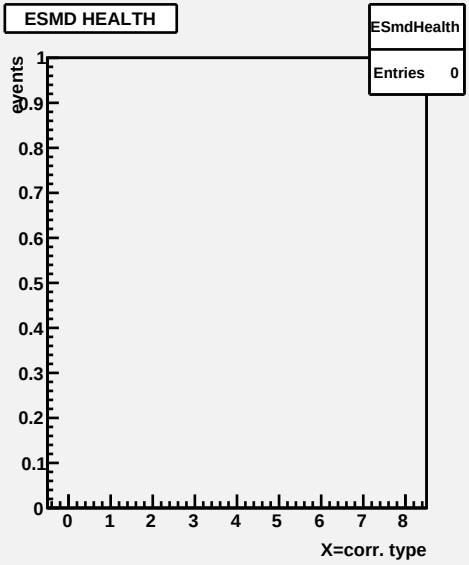

# ETOW n256/eve
ETowN256
Entries 0
chan / eve

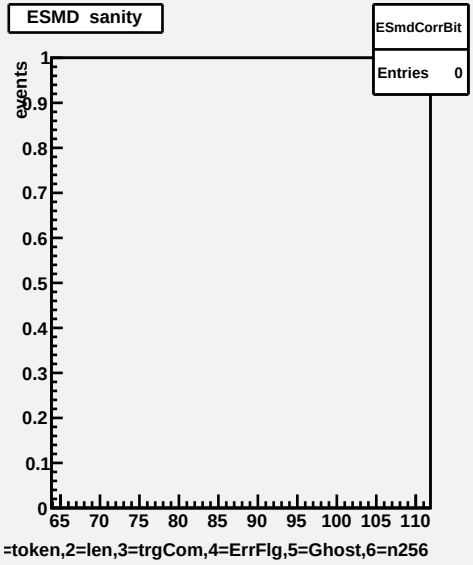

# ETOW nGhost/eve
ETowGhost
Entries 0
chan / eve

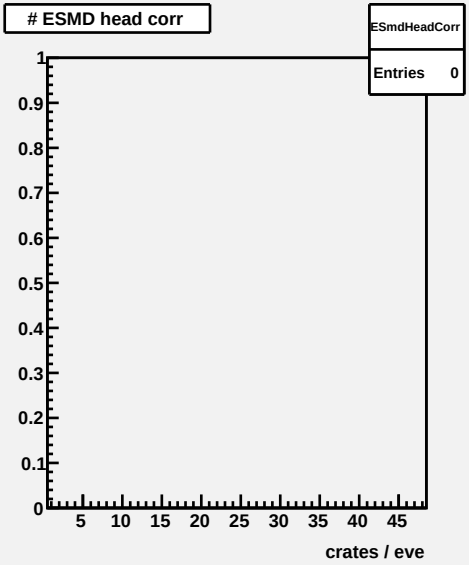

ETOW OFF ID
ETowOFFid
Entries 0
crate ID

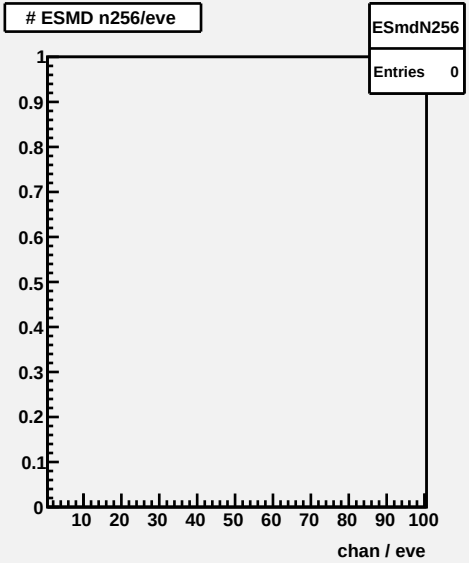

EEMC Tower hits>ped+40
TowHits
Entries 0
η bin
12
10
8
6
4
2
0
10
20
30
40
50
1TA=0 3TA=10 5TA=20 7TA=30 9TA=40 11TA=50

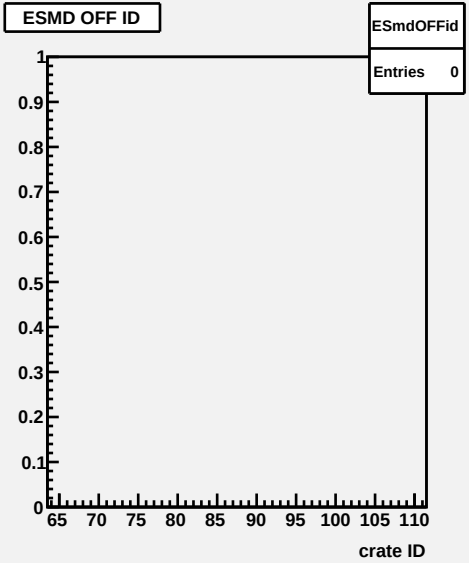

EEMC # Tower w/ adc>ped+40
HTow
Entries 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0 10 20 30 40 50 60 70 80 90
# Towers

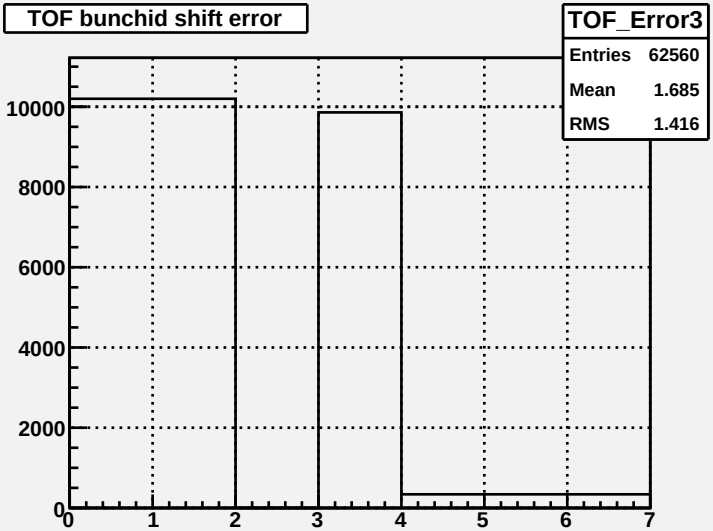

ESMD HEALTH
ESmdHealth
Entries 0
events
X=corr. type

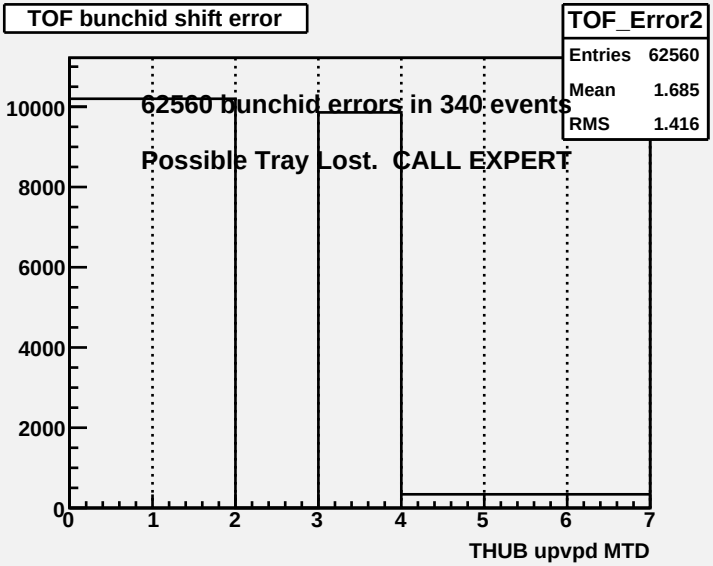

ESMD sanity
ESmdCorrBit
Entries 0
events
=token,2=len,3=trgCom,4=ErrFlg,5=Ghost,6=n256

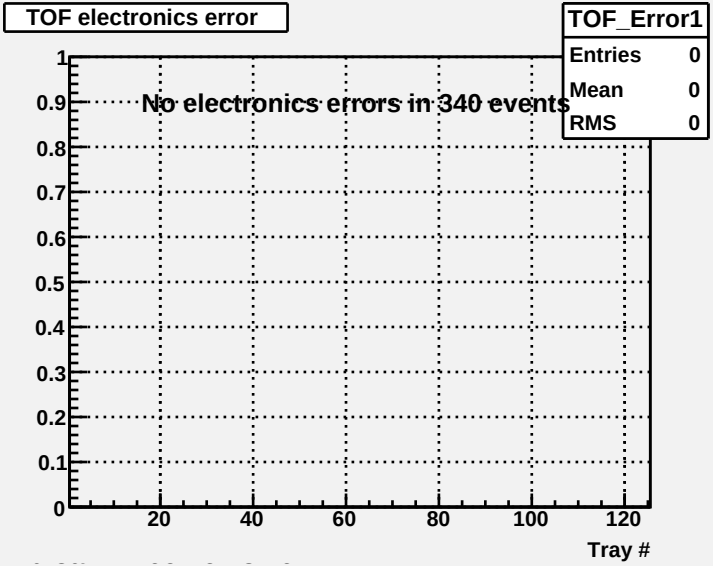

# ESMD head corr
ESmdHeadCorr
Entries 0
crates / eve

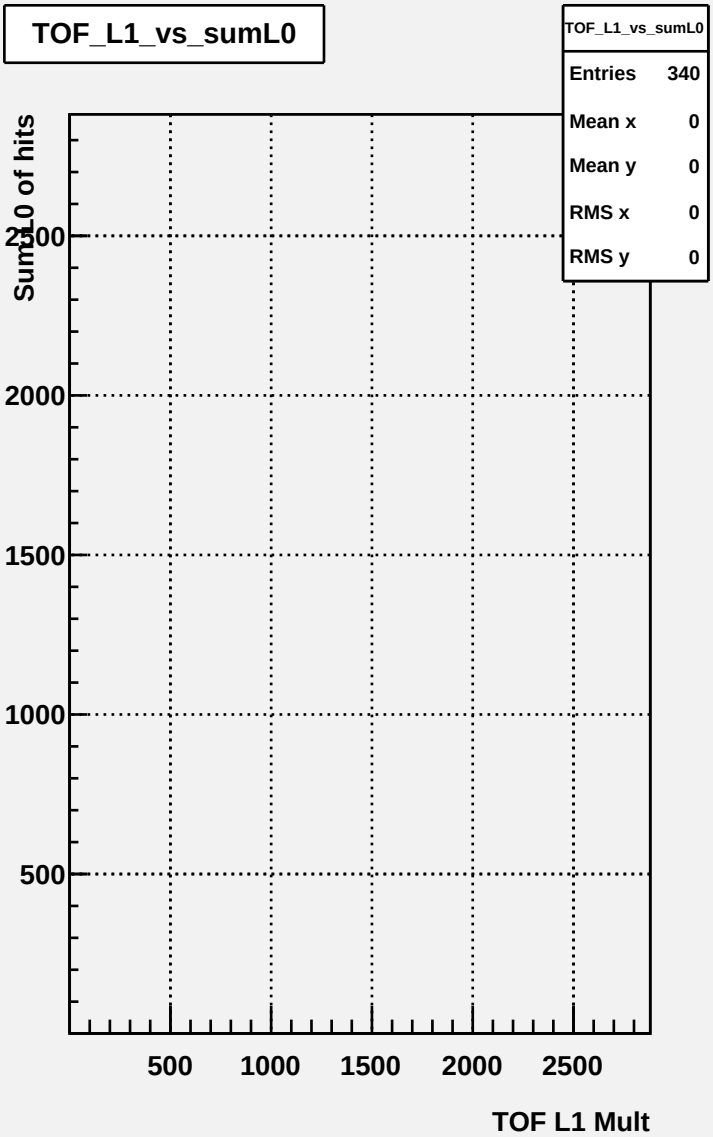

# ESMD n256/eve
ESmdN256
Entries 0
chan / eve

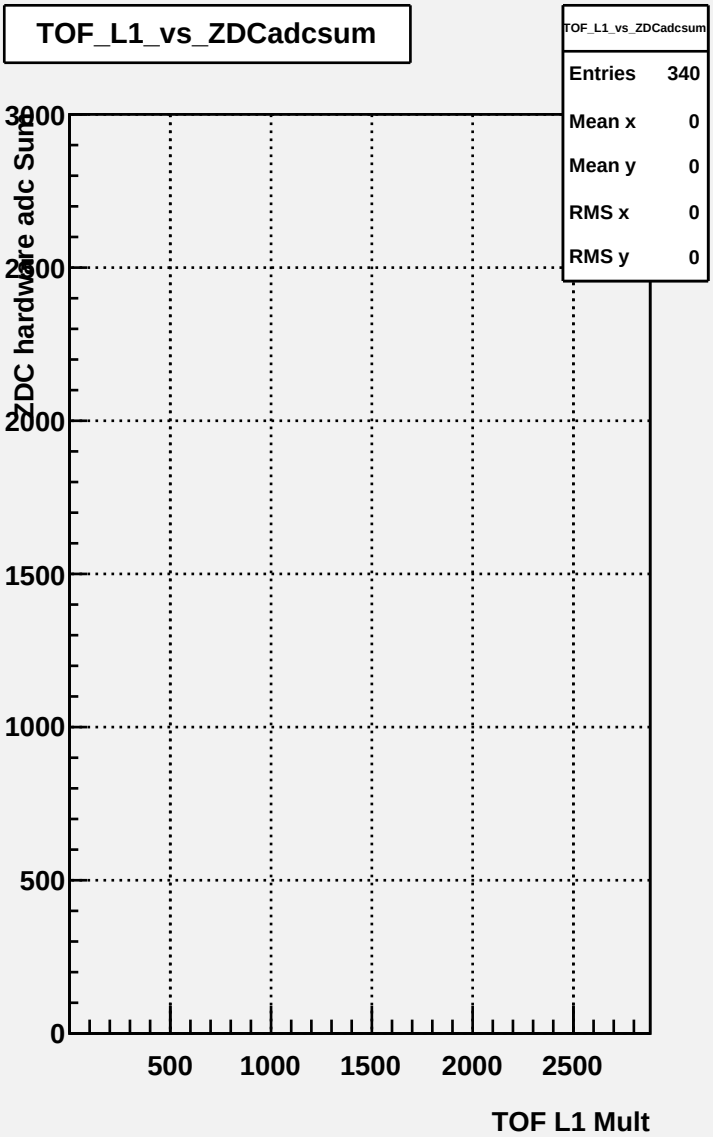

ESMD OFF ID
ESmdOFFid
Entries 0
crate ID


TOF bunchid shift error
TOF_Error3
Entries 62560
Mean 1.685
RMS 1.416
10000
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7

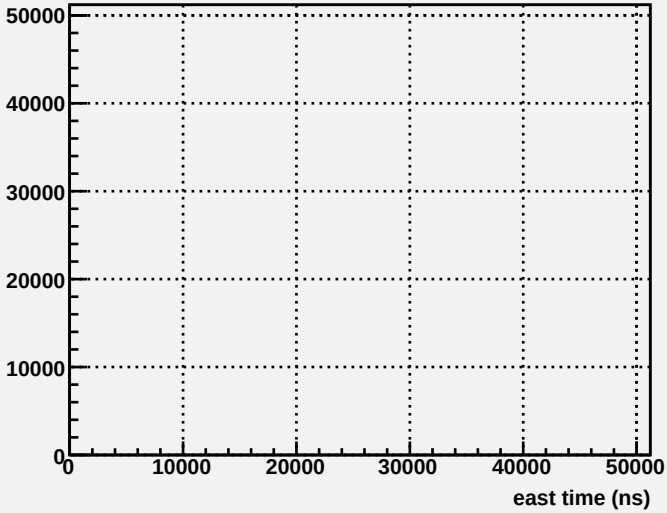

TOF bunchid shift error
TOF_Error2
Entries 62560
Mean 1.685
RMS 1.416
62560 bunchid errors in 340 events
Possible Tray Lost. CALL EXPERT
10000
8000
6000
4000
2000
0
0 1 2 3 4 5 6 7
THUB upvpd MTD


TOF electronics error
TOF_Error1
Entries 0
Mean 0
RMS 0
No electronics errors in 340 events
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
20 40 60 80 100 120
Tray #

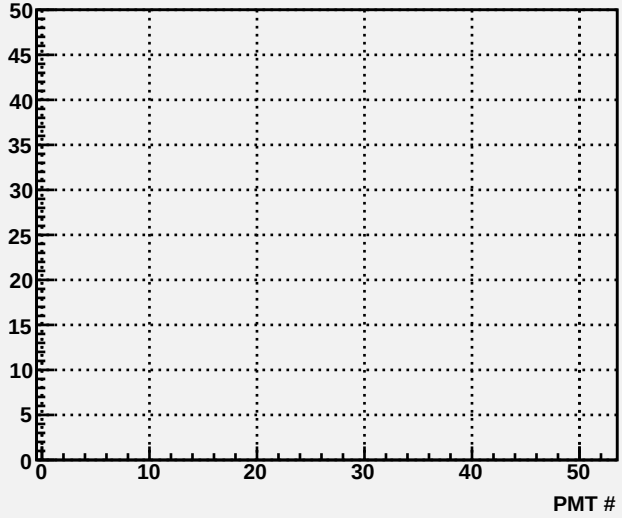

TOF_L1_vs_sumL0
TOF_L1_vs_sumL0
Entries 340
Mean x 0
Mean y 0
RMS x 0
RMS y 0
SumL0 of hits
2500
2000
1500
1000
500
500
1000
1500
2000
2500
TOF L1 Mult


TOF_L1_vs_ZDCadcsum
TOF_L1_vs_ZDCadcsum
Entries 340
Mean x 0
Mean y 0
RMS x 0
RMS y 0
ZDC hardware adc Sum
3000
2500
2000
1500
1000
500
0
500
1000
1500
2000
2500
TOF L1 Mult

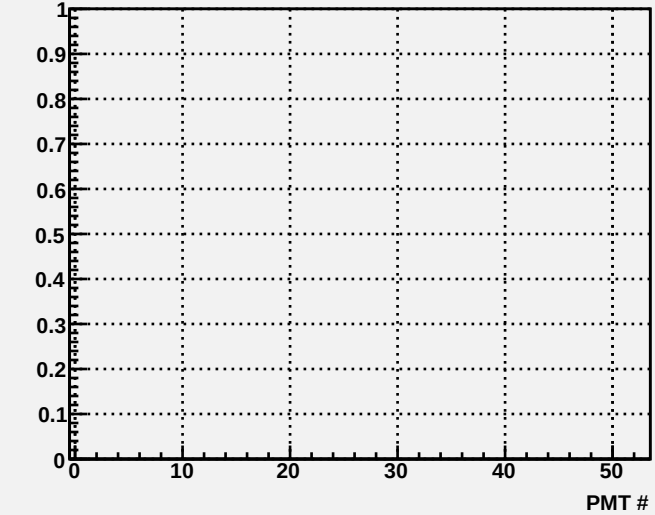
upvpd eastT vs westT



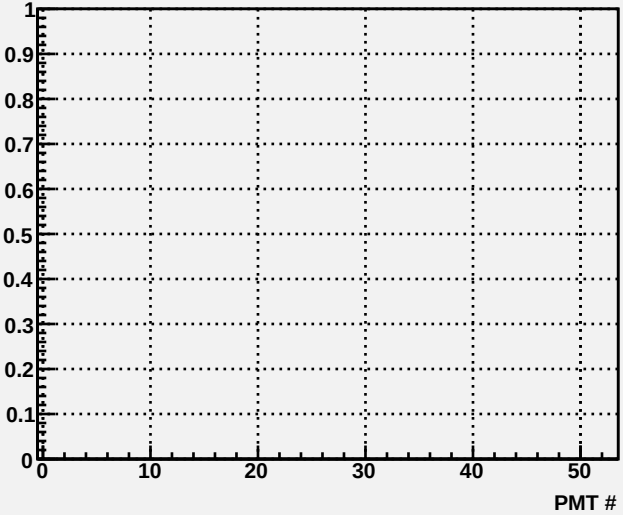

upvpd ToT vs PMT#

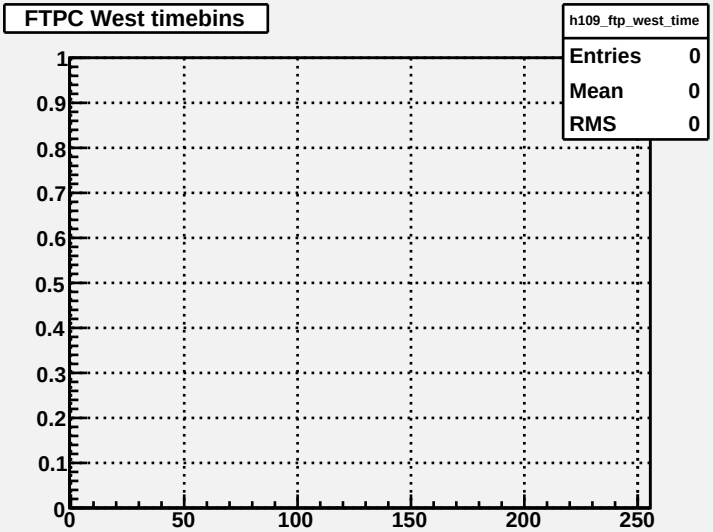


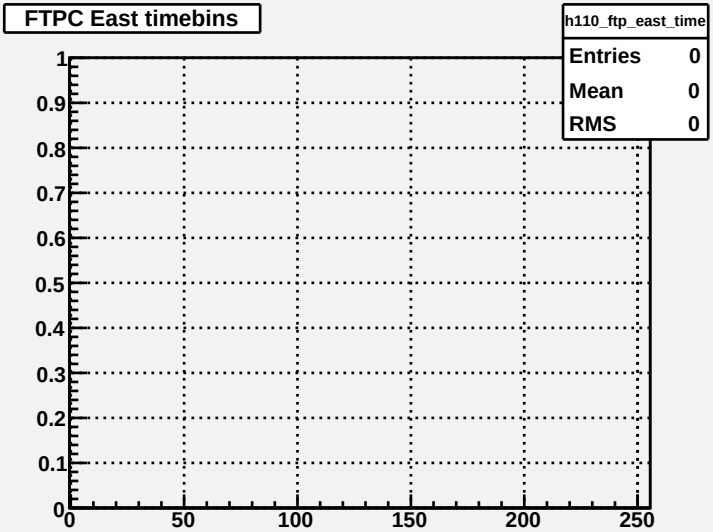

upvpd Trailing edge hitmap

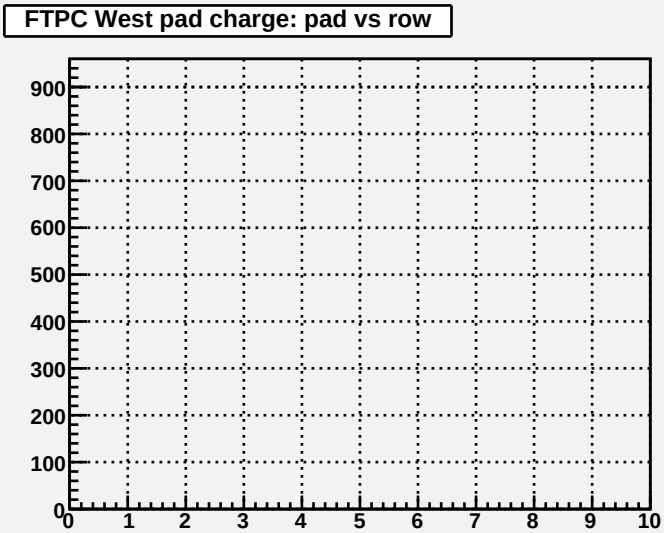


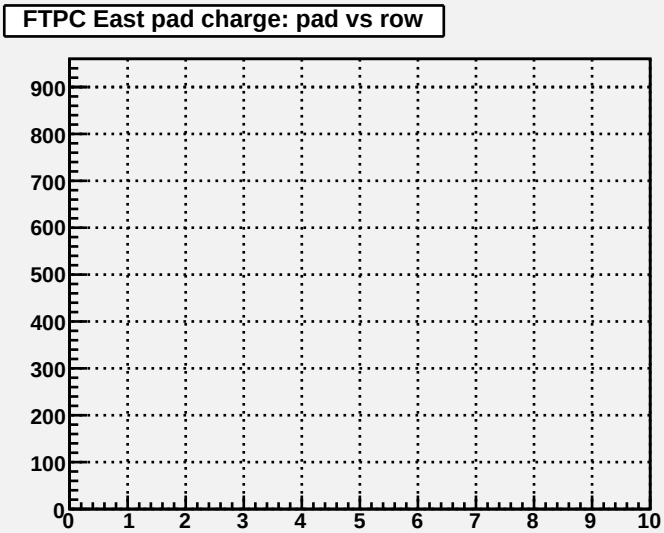

upvpd Leading edge hitmap




FTPC West timebins
h109_ftp_west_time
Entries 0
Mean 0
RMS 0
1
0.9
0.8
0.7
0.6
0.5
0.4
0.3
0.2
0.1
0
0
50
100
150
200
250


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


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


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

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