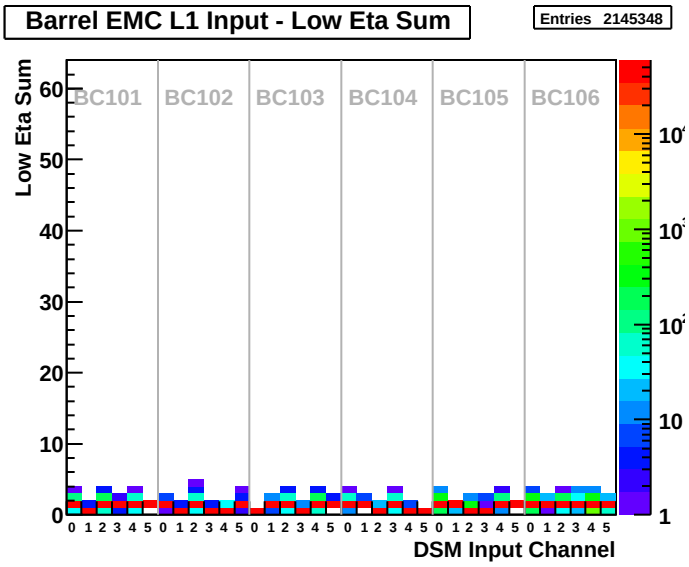
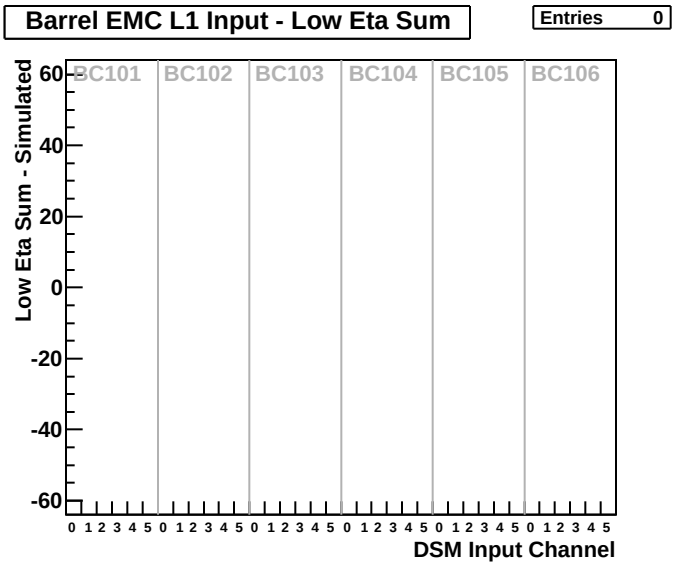
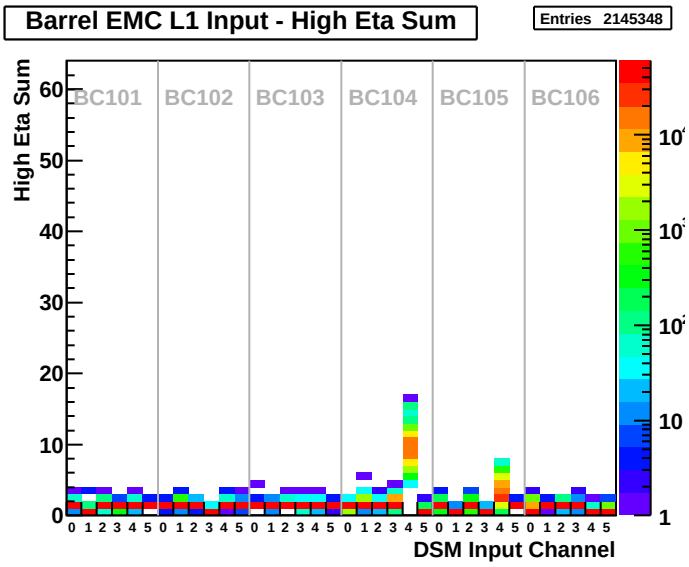
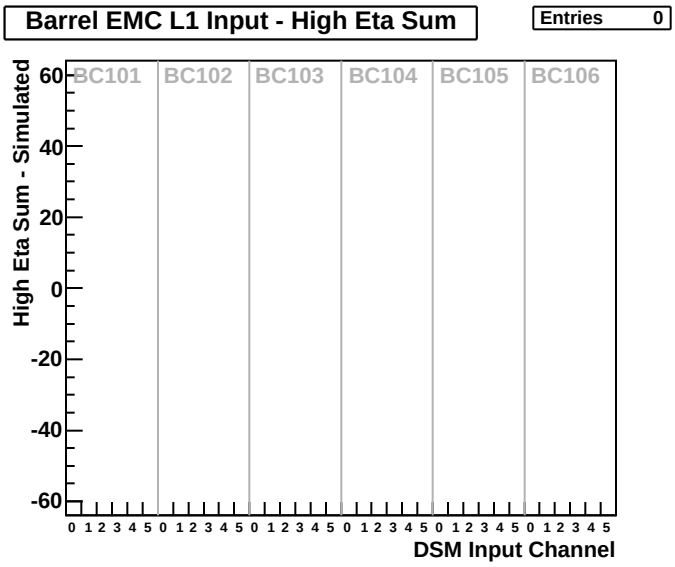
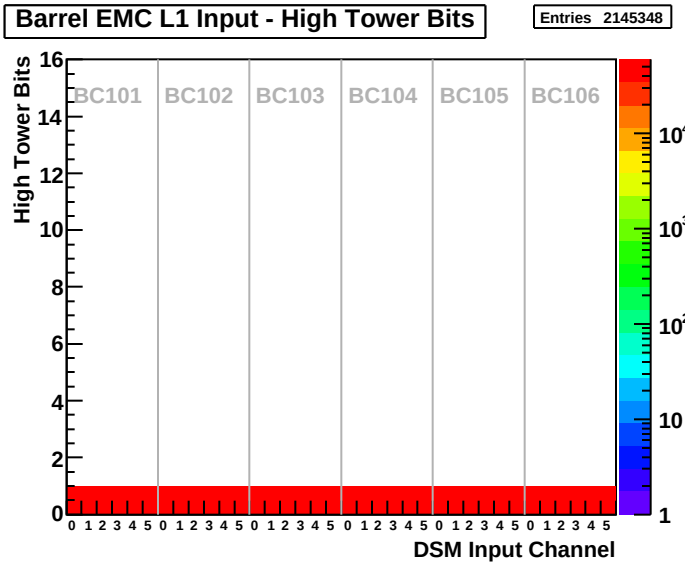
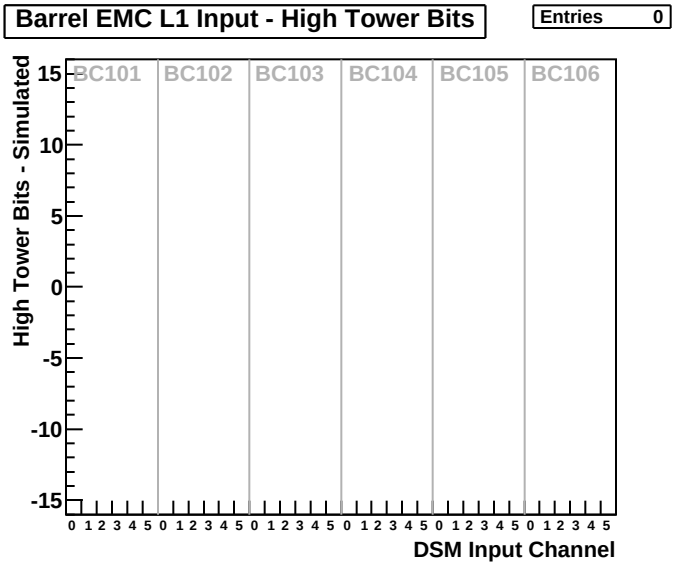

Barrel EMC L1 Input - Low Eta Sum
Entries 2145348
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

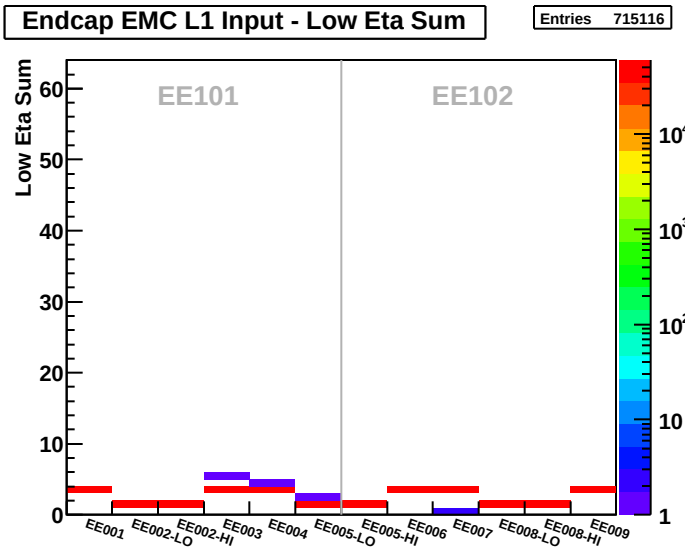

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

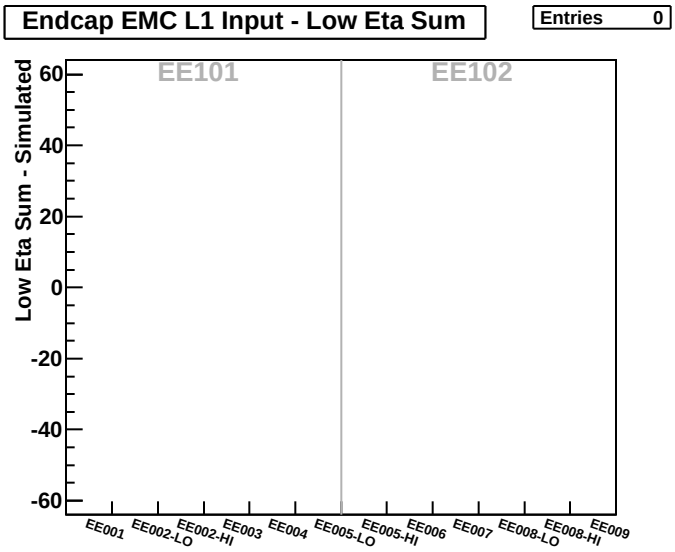

Barrel EMC L1 Input - High Eta Sum
Entries 2145348
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

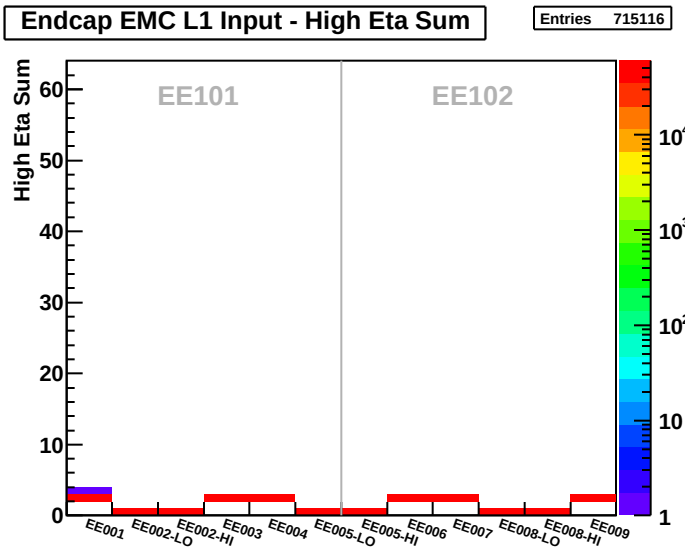

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

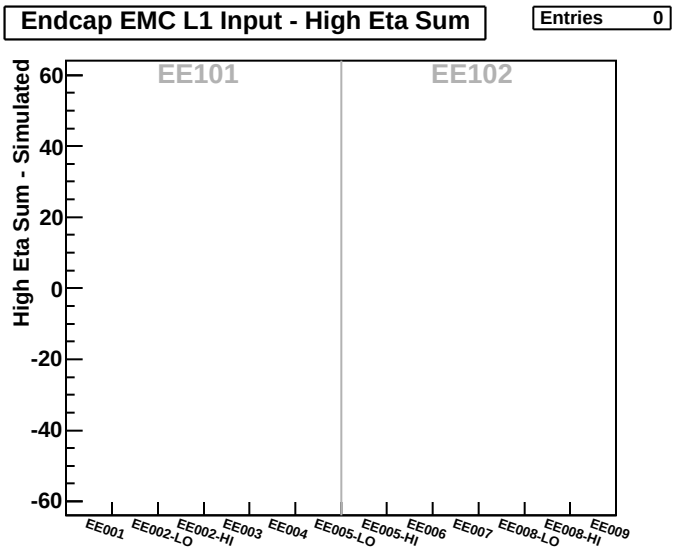

Barrel EMC L1 Input - High Tower Bits
Entries 2145348
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

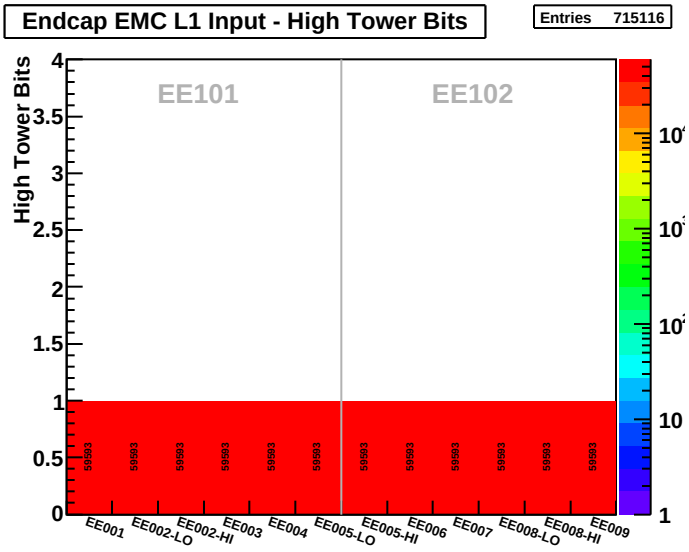

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

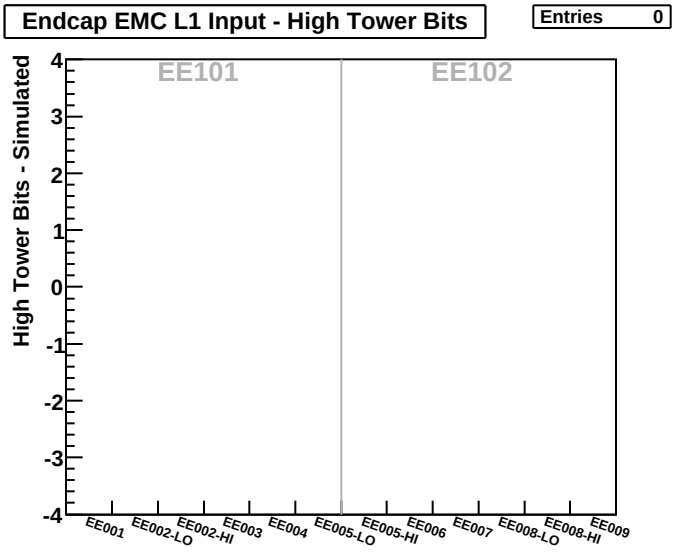

Endcap EMC L1 Input - Low Eta Sum
Entries 715116
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

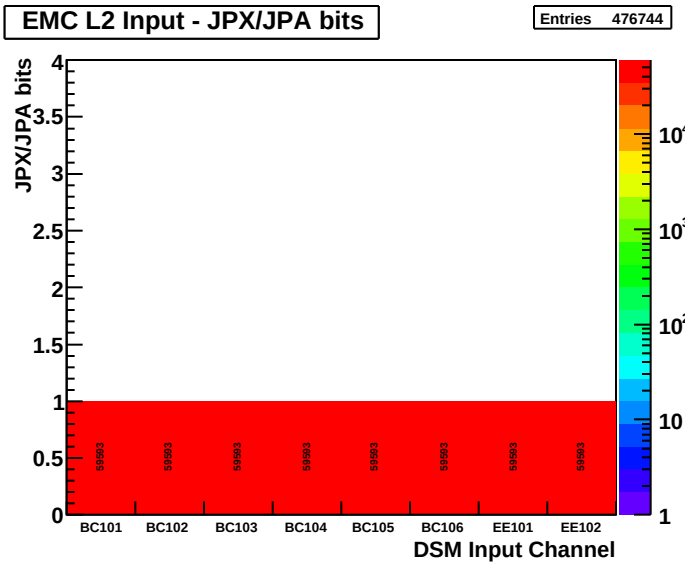

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

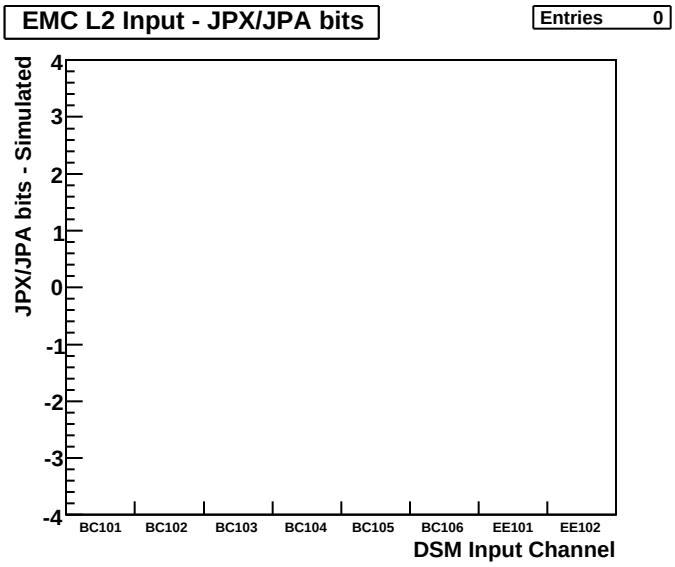

Endcap EMC L1 Input - High Eta Sum
Entries 715116
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

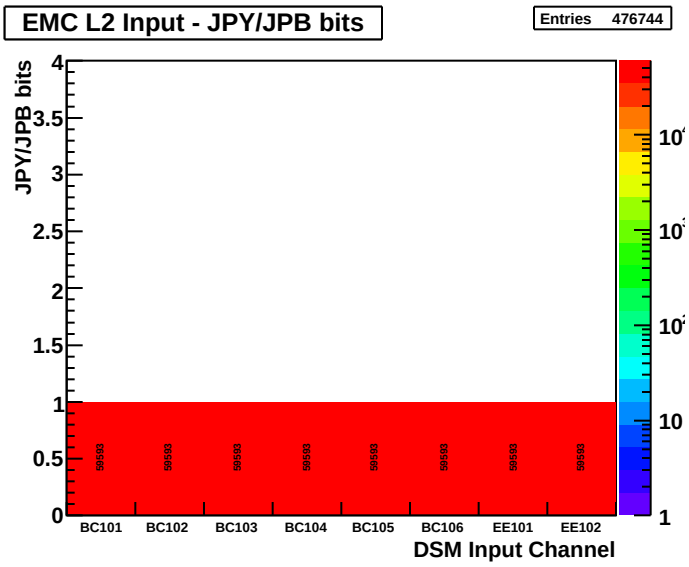

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

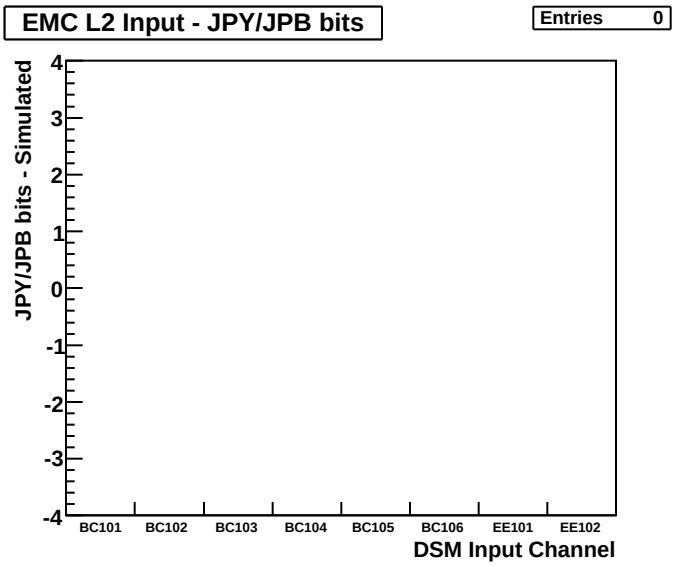

Endcap EMC L1 Input - High Tower Bits
Entries 715116
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

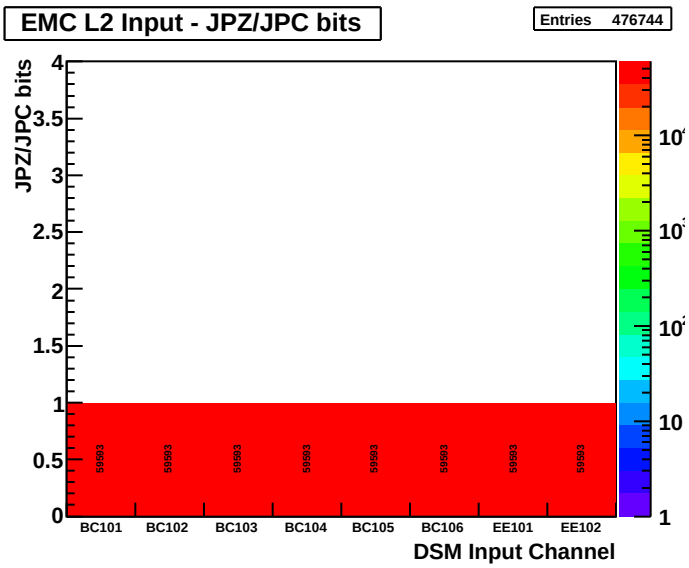

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

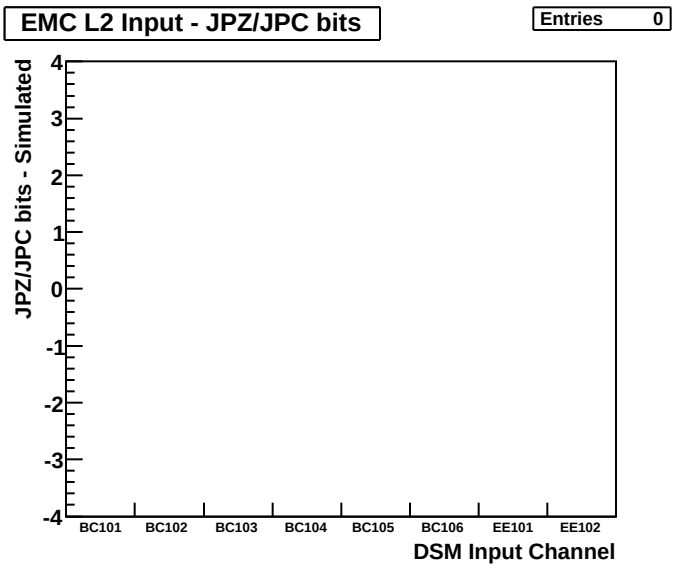

EMC L2 Input - JPX/JPA bits
Entries 476744
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
59593

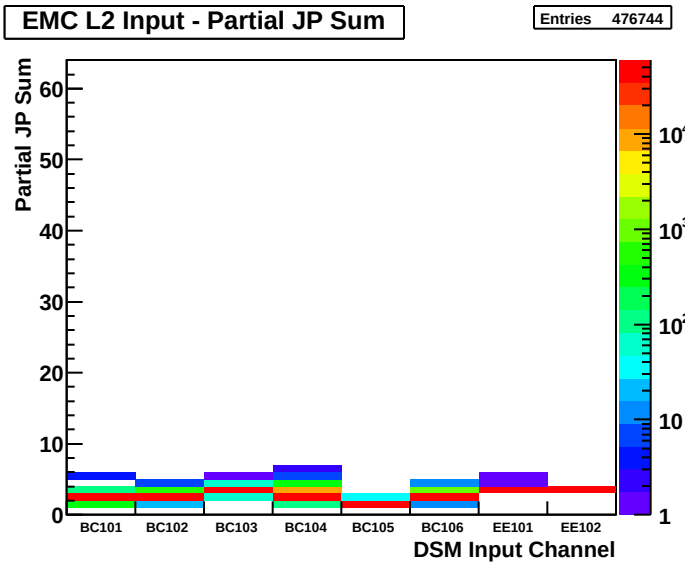

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

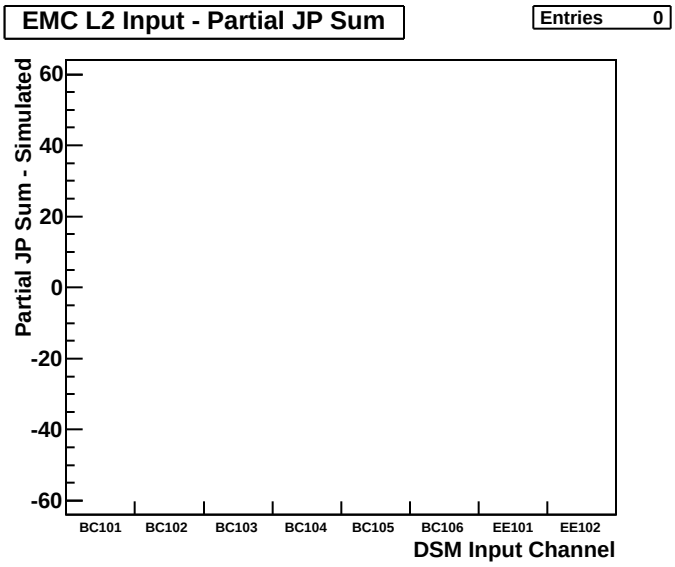

EMC L2 Input - JPY/JPB bits
Entries 476744
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
59593

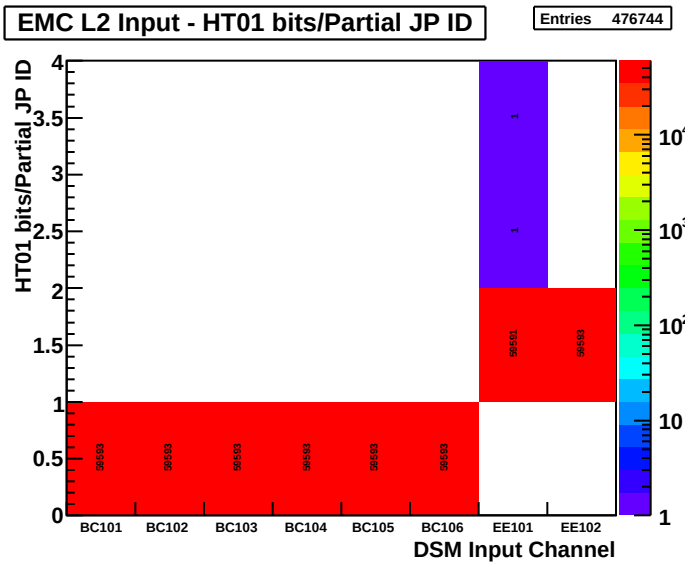

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

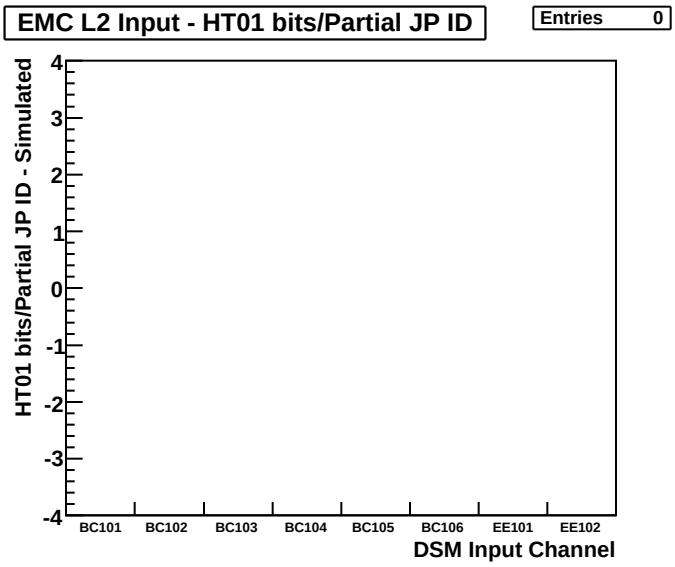

EMC L2 Input - JPZ/JPC bits
Entries 476744
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
59593

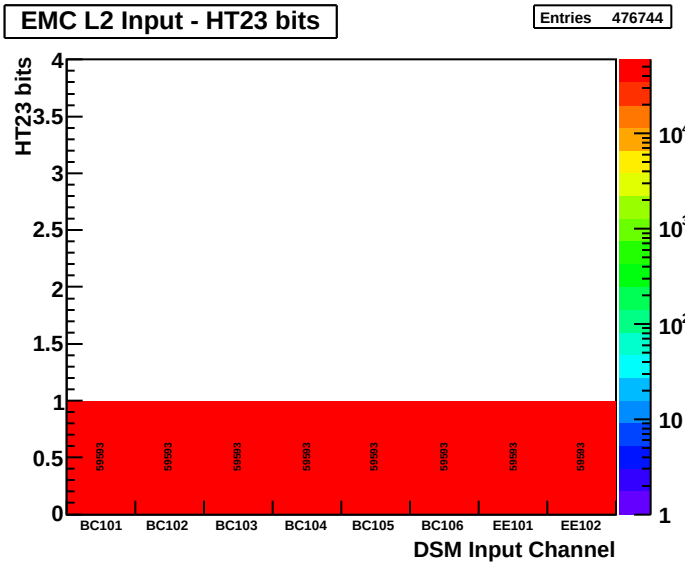

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

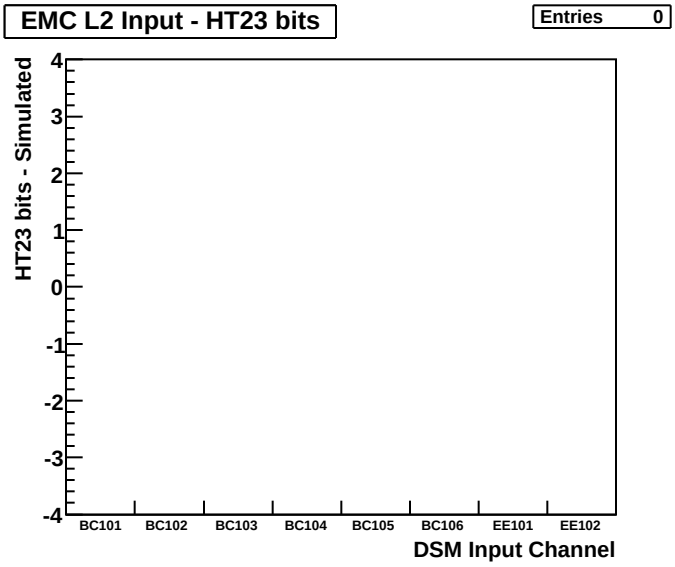

EMC L2 Input - Partial JP Sum
Entries 476744
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

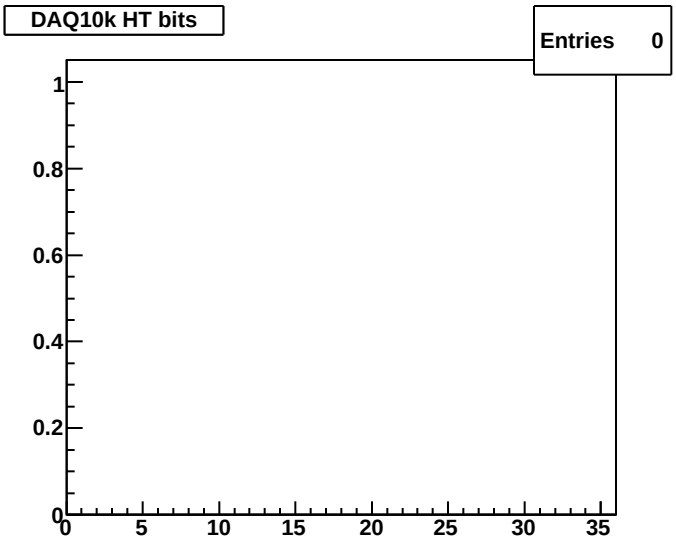

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

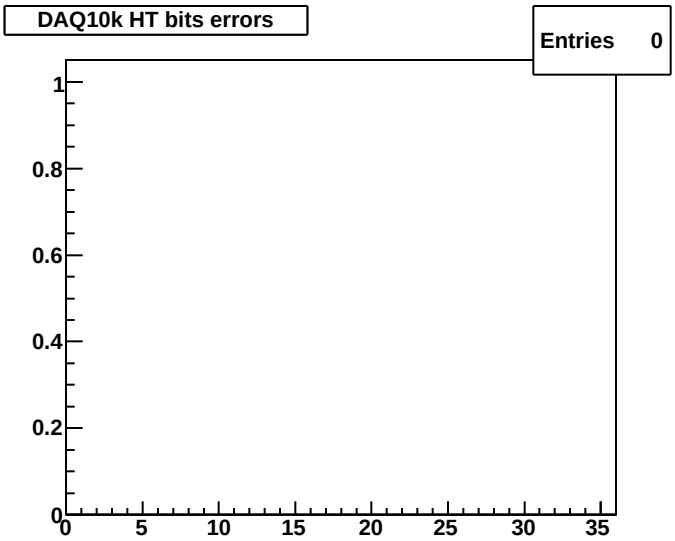

EMC L2 Input - HT01 bits/Partial JP ID
Entries 476744
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

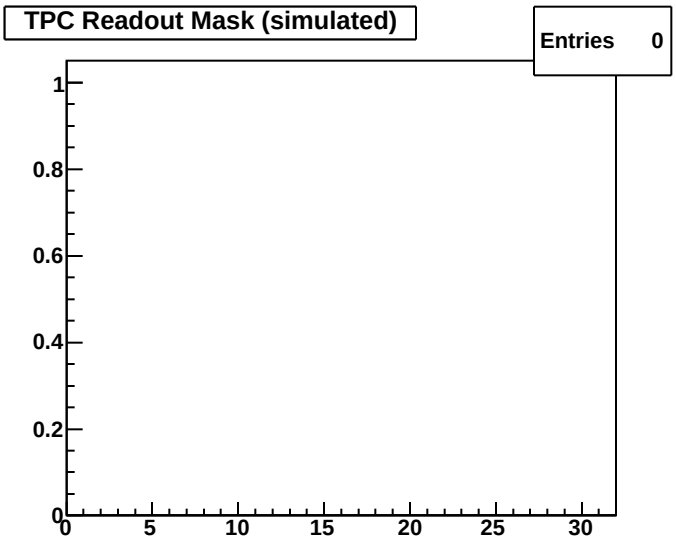

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

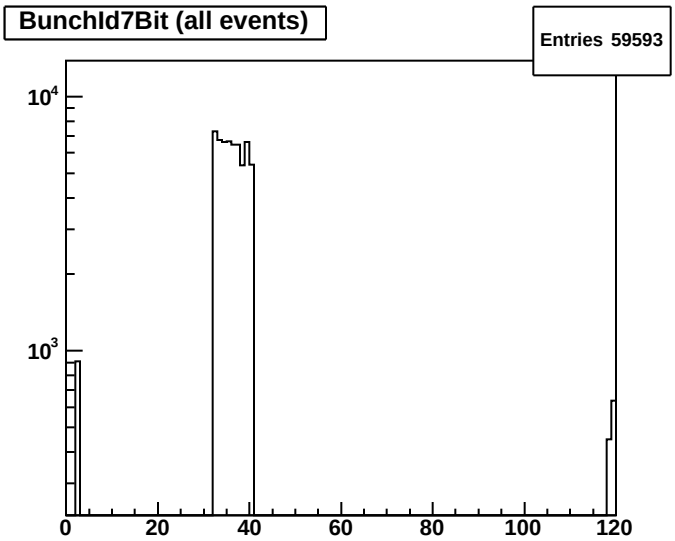

EMC L2 Input - HT23 bits
Entries 476744
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

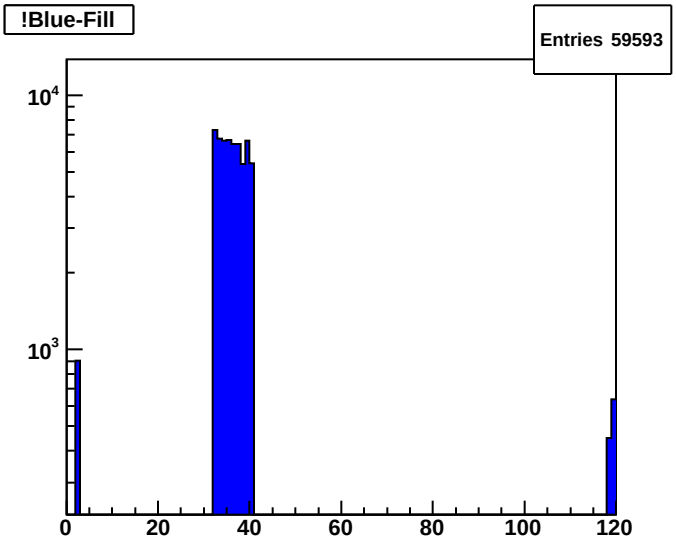

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

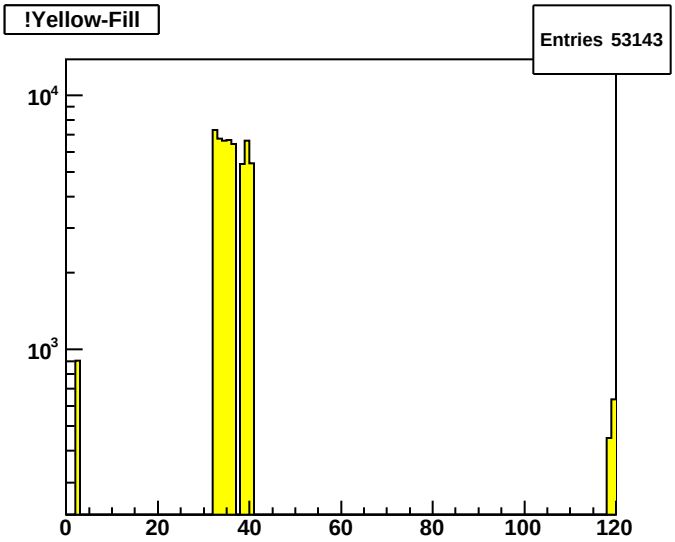

DAQ10k HT bits
Entries 0

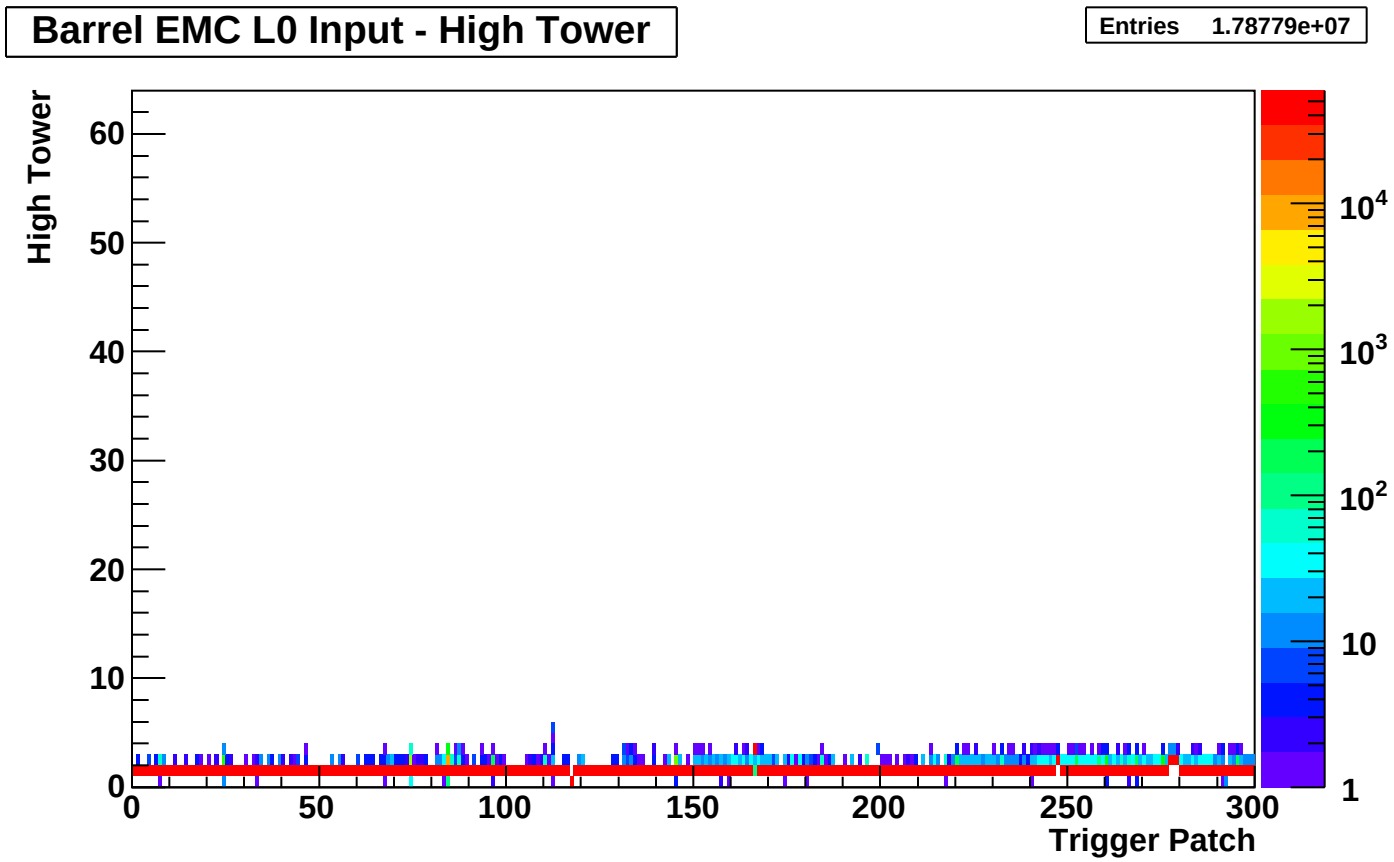

DAQ10k HT bits errors
Entries 0

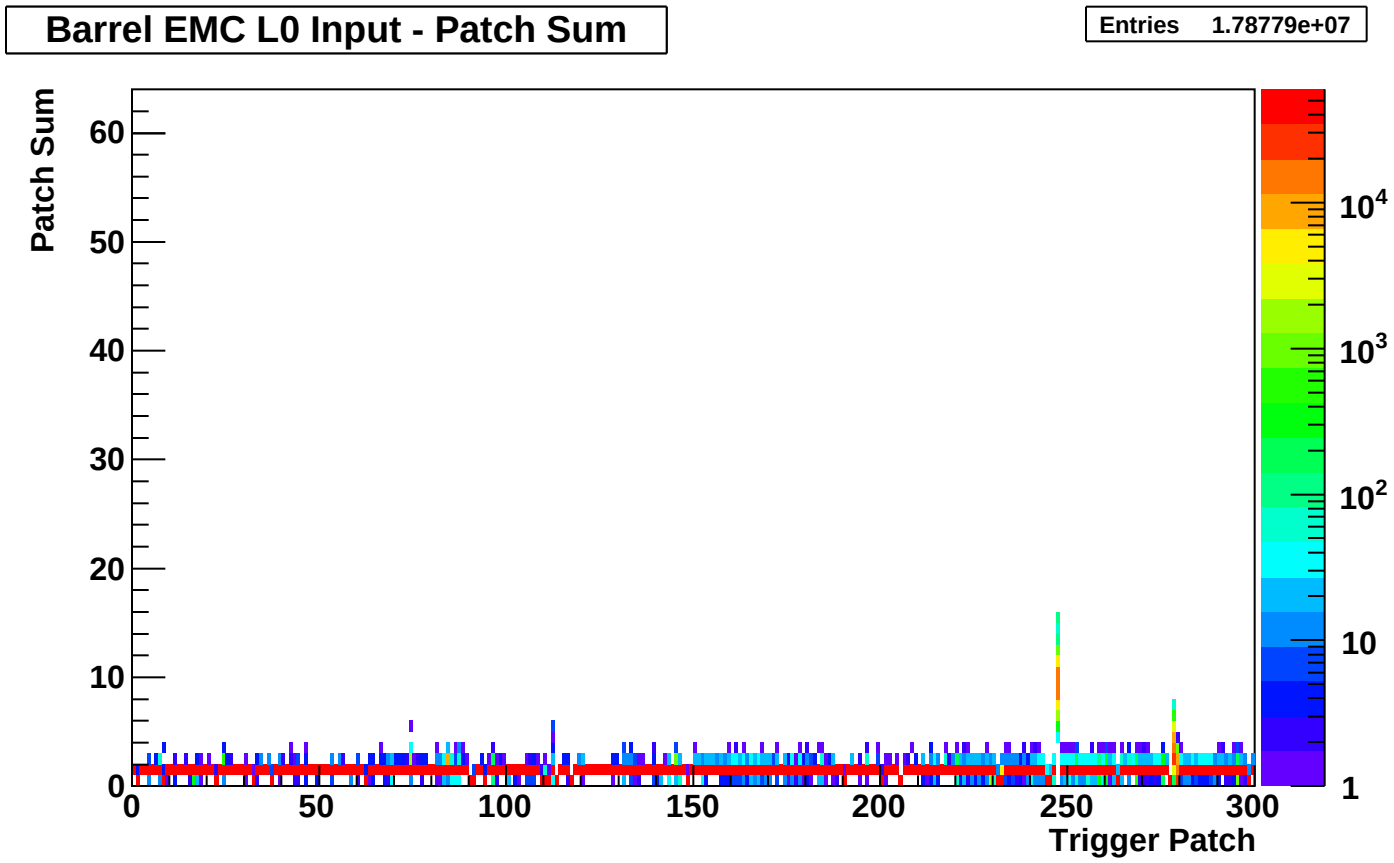

TPC Readout Mask (simulated)
Entries 0

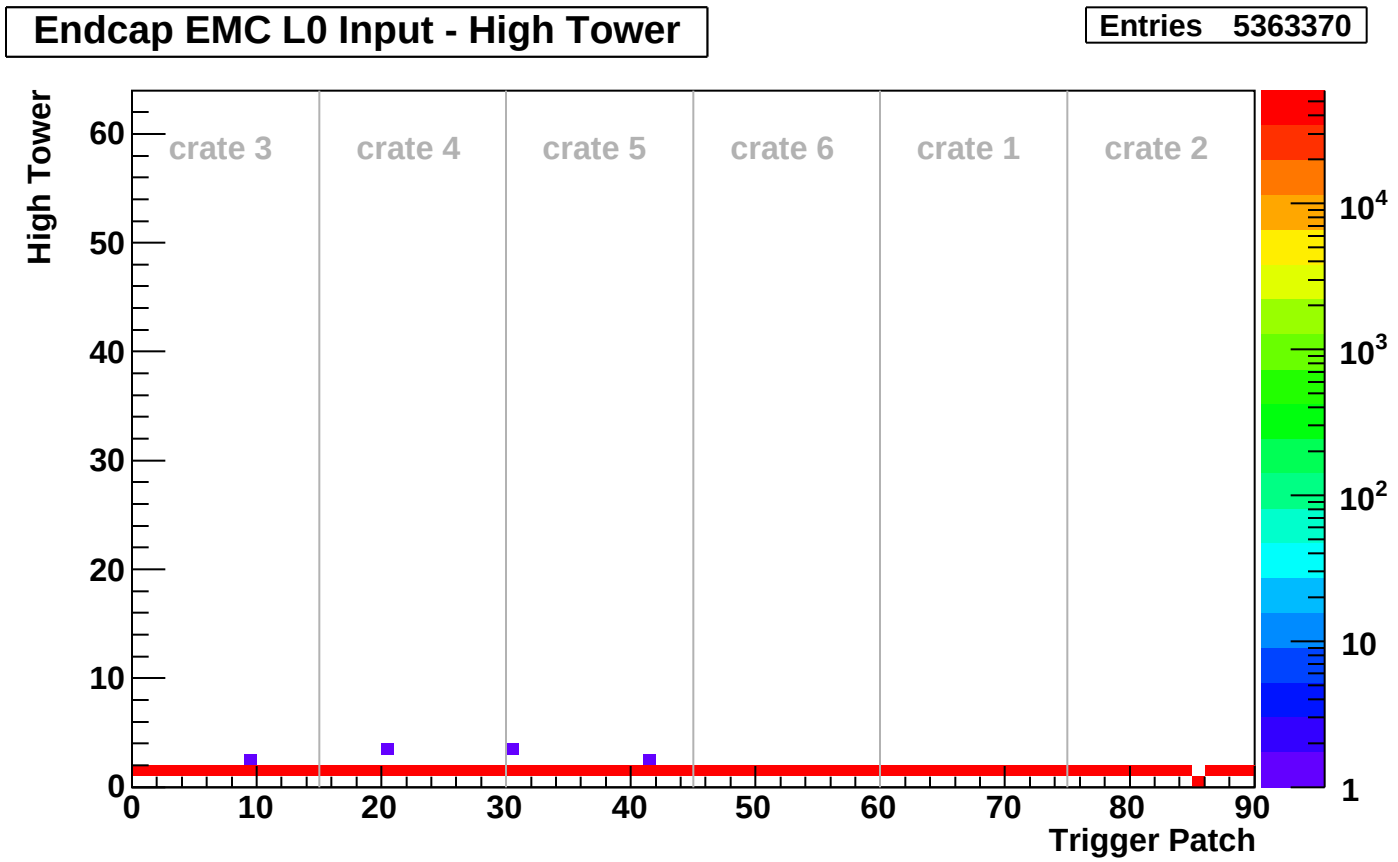

BunchId7Bit (all events)
Entries 59593

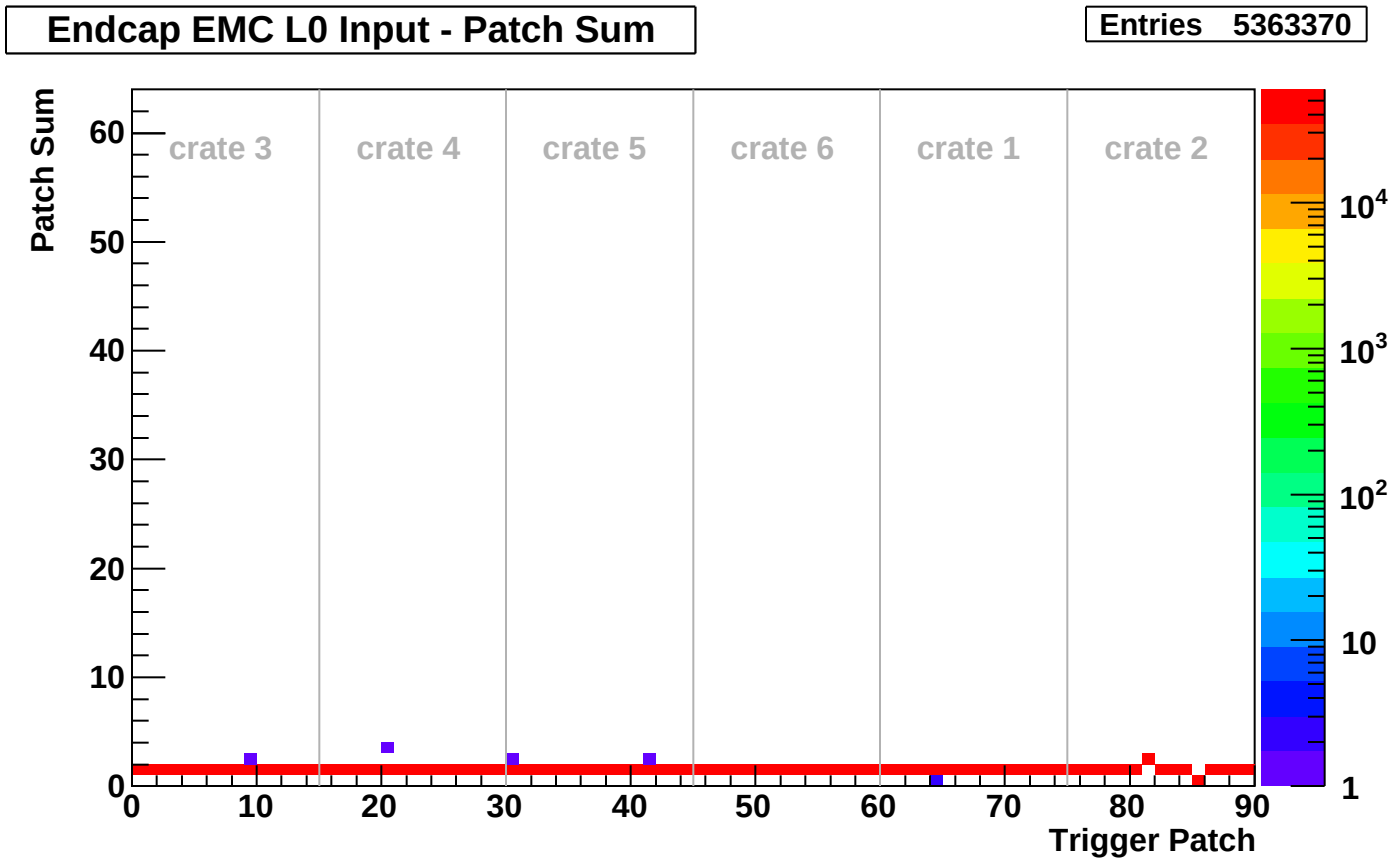

!Blue-Fill
Entries 59593

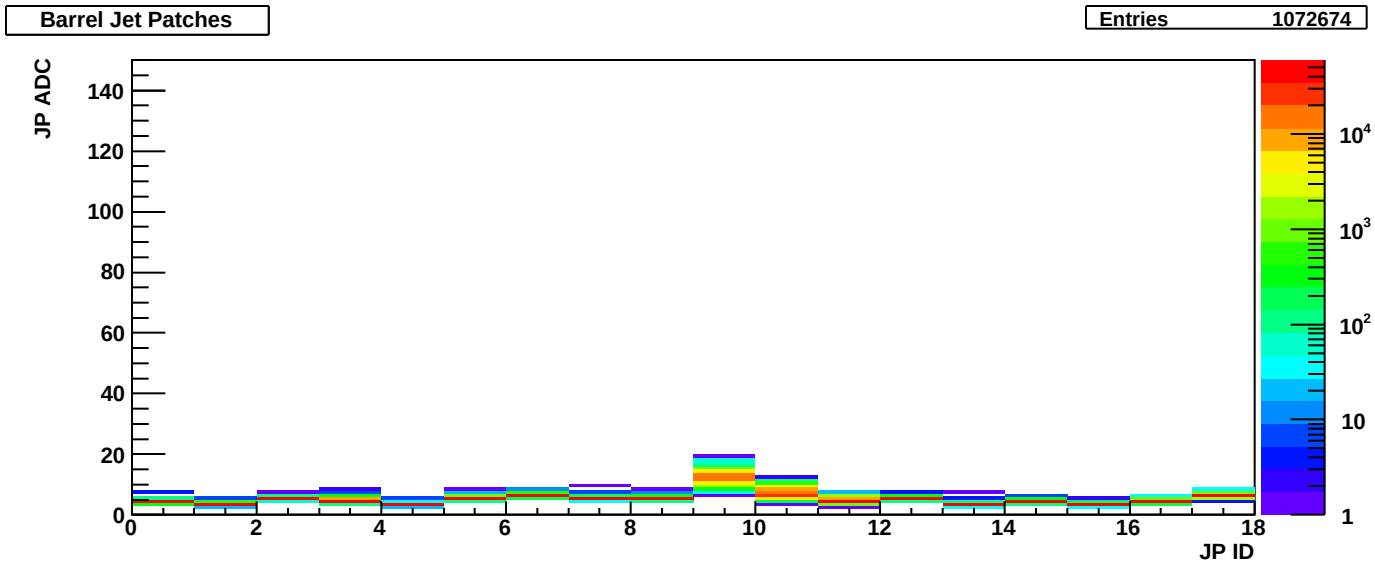

!Yellow-Fill
Entries 53143

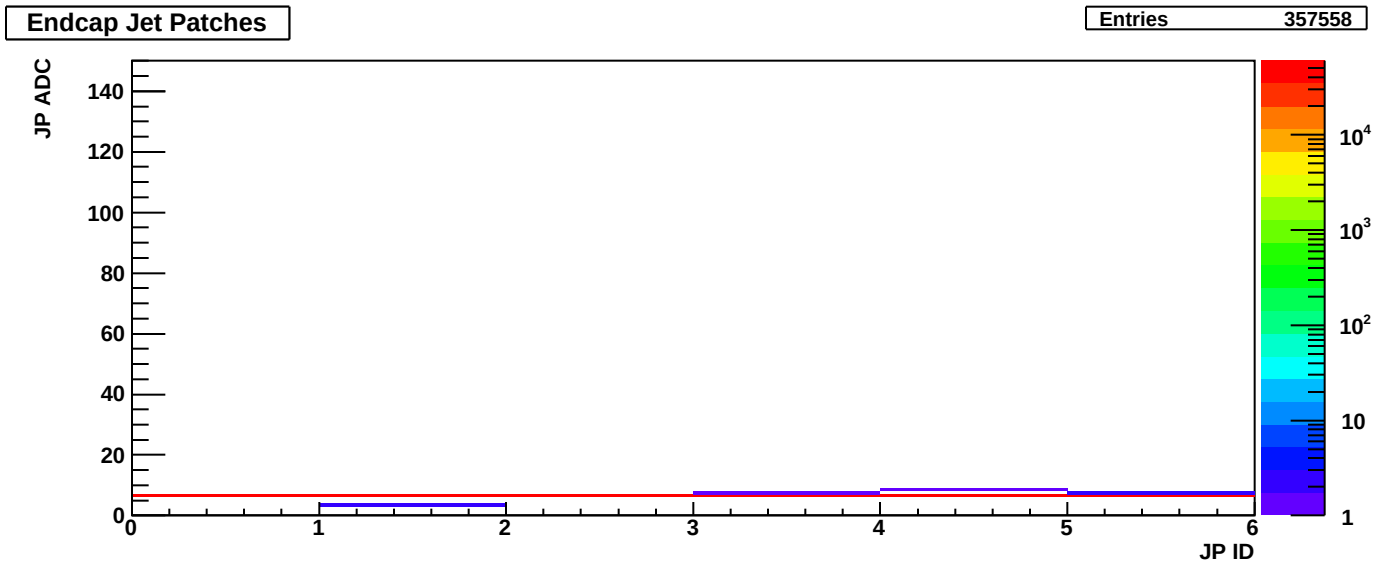

Barrel EMC L0 Input - High Tower
Entries 1.78779e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

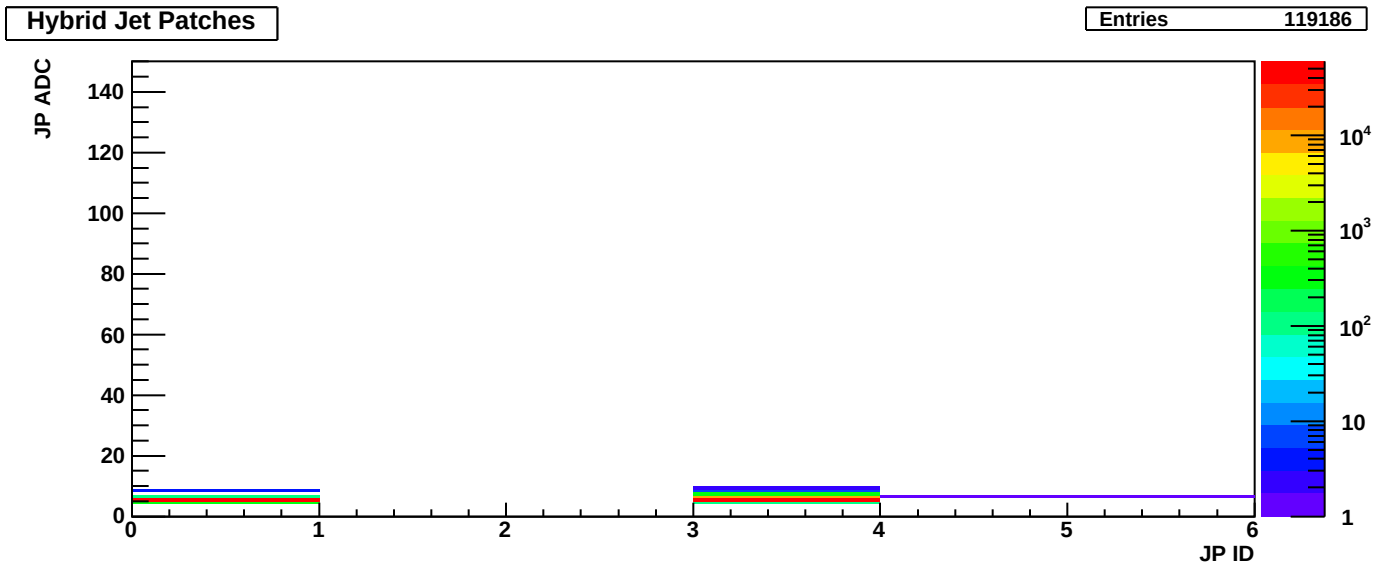

Barrel EMC L0 Input - Patch Sum
Entries 1.78779e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

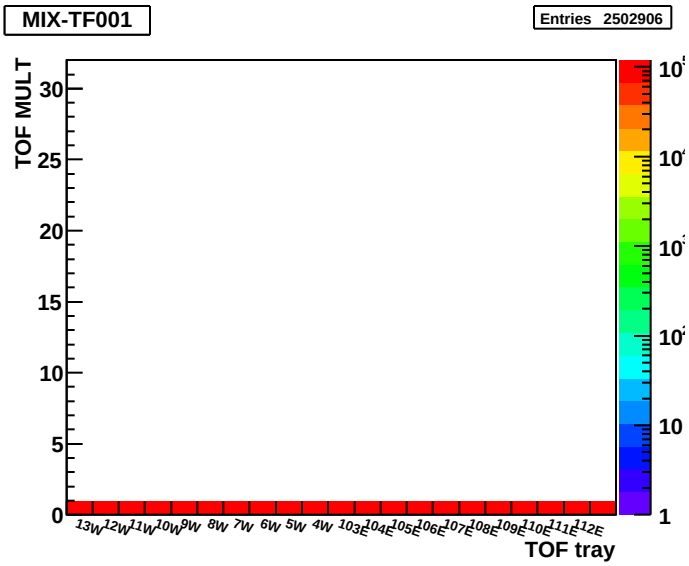

Endcap EMC L0 Input - High Tower
Entries 5363370
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3
10^4

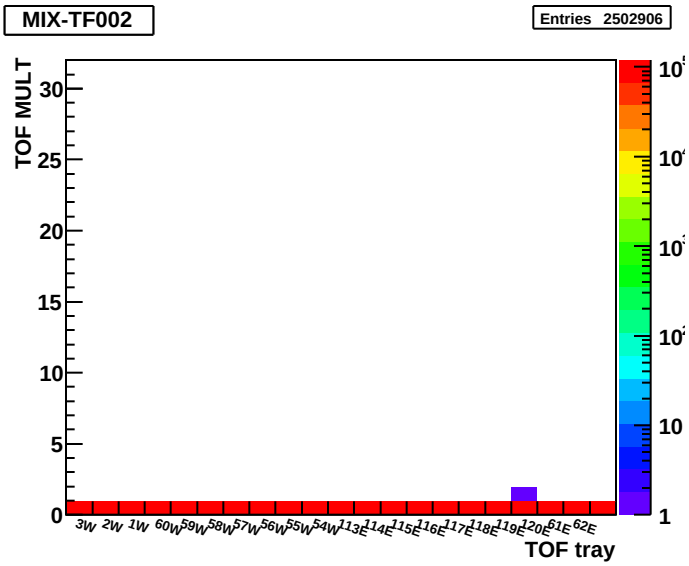

Endcap EMC L0 Input - Patch Sum
Entries 5363370
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3
10^4

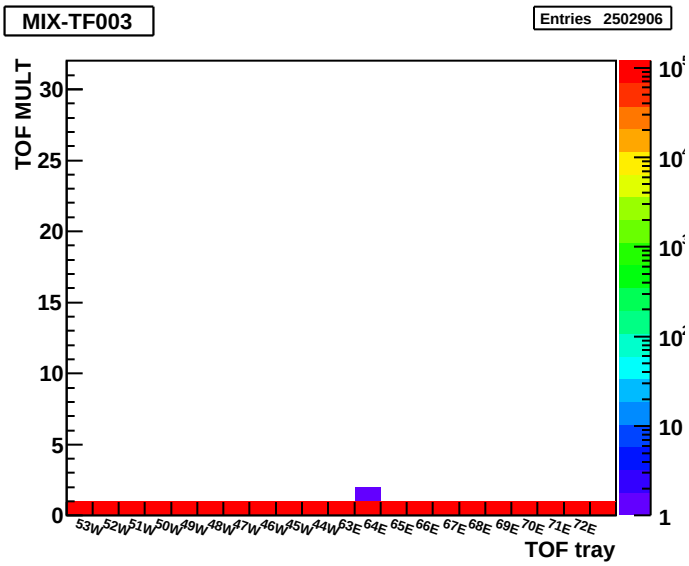

Barrel Jet Patches
Entries 1072674
JP ADC
JP ID

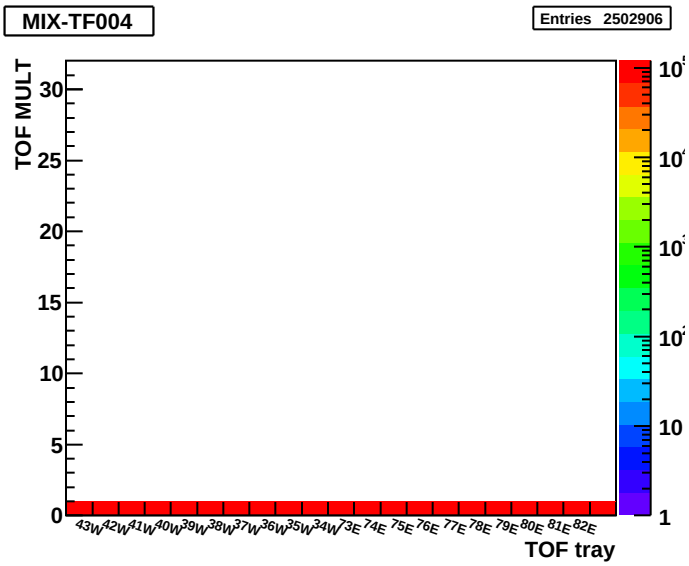

Endcap Jet Patches
Entries 357558
JP ADC
JP ID

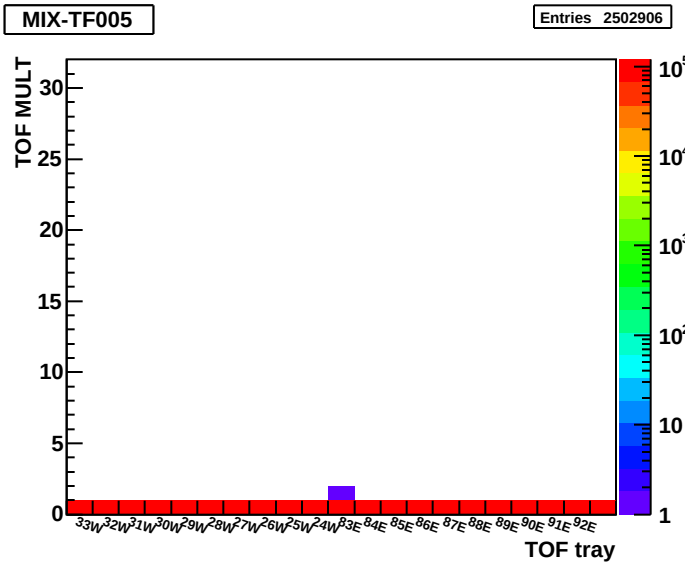

Hybrid Jet Patches
Entries 119186
JP ADC
JP ID

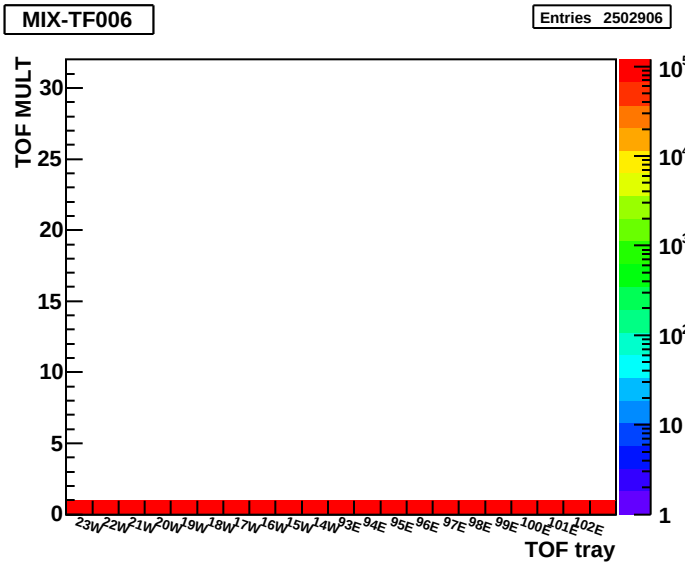

MIX-TF001
Entries 2502906
TOF MULT
TOF tray

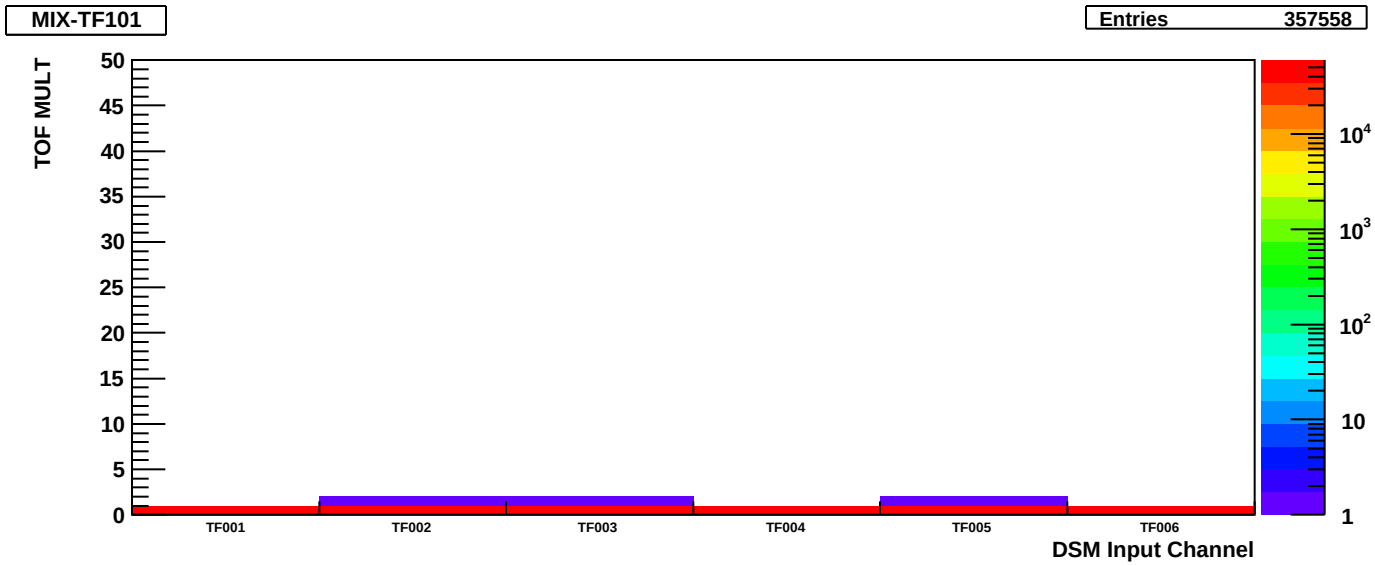

MIX-TF002
Entries 2502906
TOF MULT
TOF tray

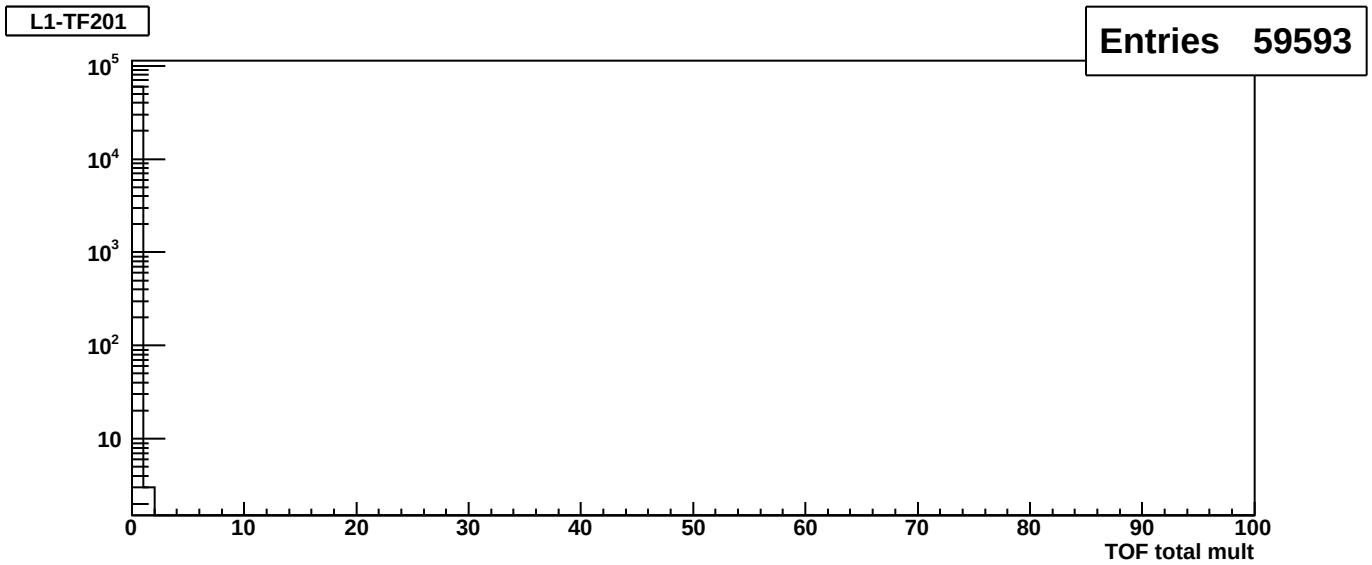

MIX-TF003
Entries 2502906
TOF MULT
TOF tray

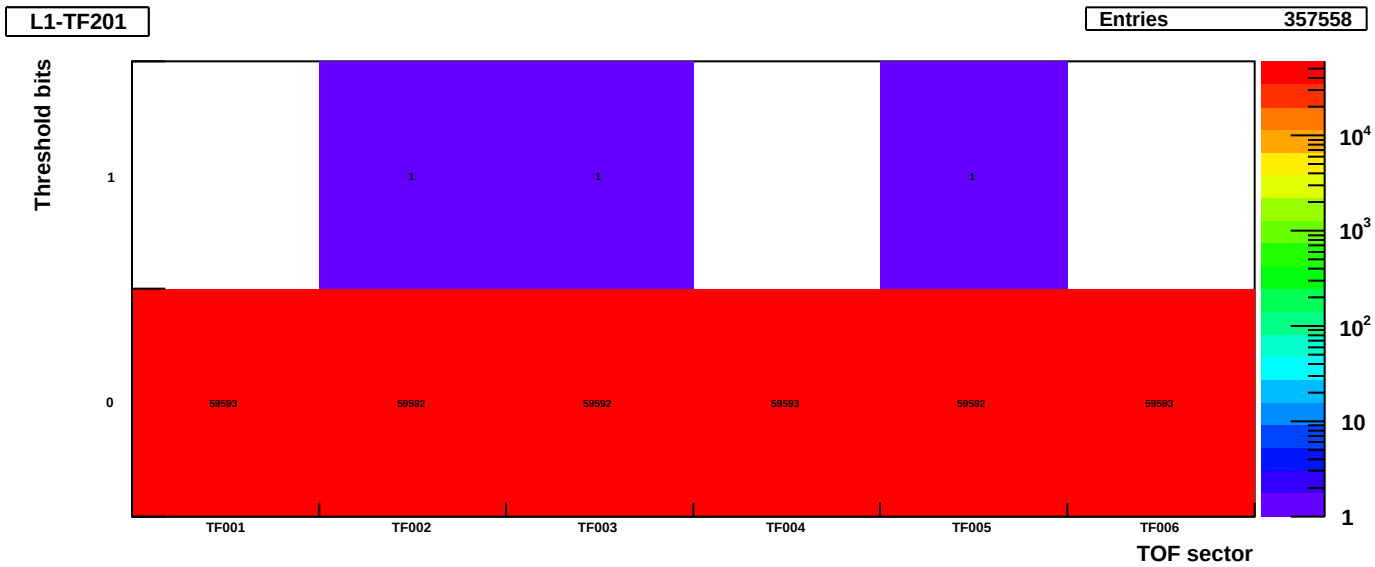

MIX-TF004
Entries 2502906
TOF MULT
TOF tray

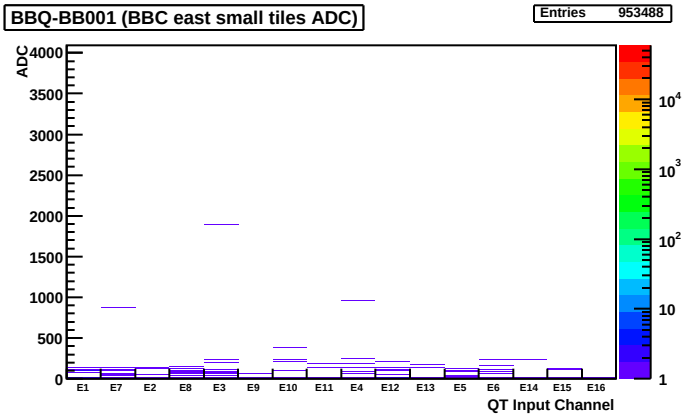

MIX-TF005
Entries 2502906
TOF MULT
TOF tray

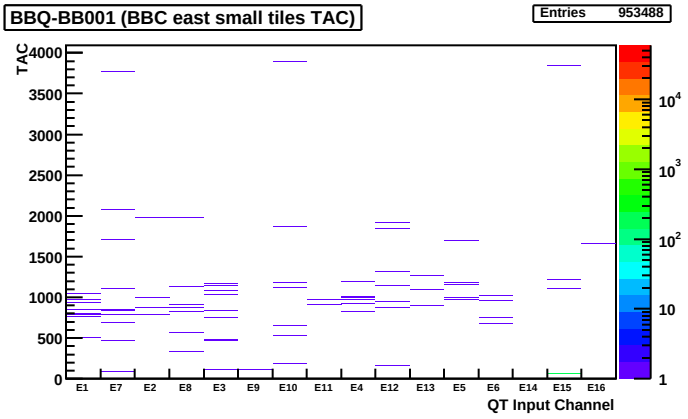

MIX-TF006
Entries 2502906
TOF MULT
TOF tray

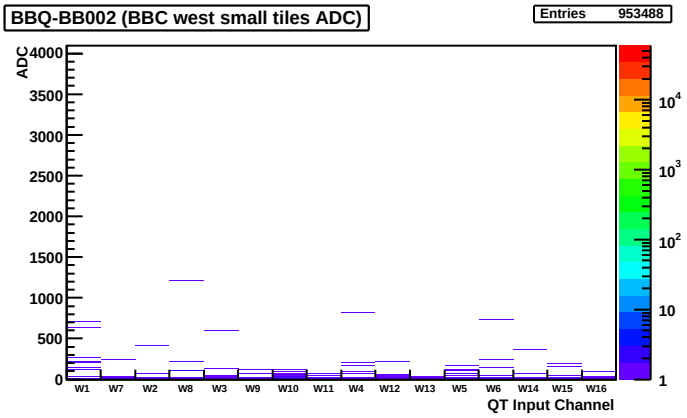

MIX-TF101
Entries 357558
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

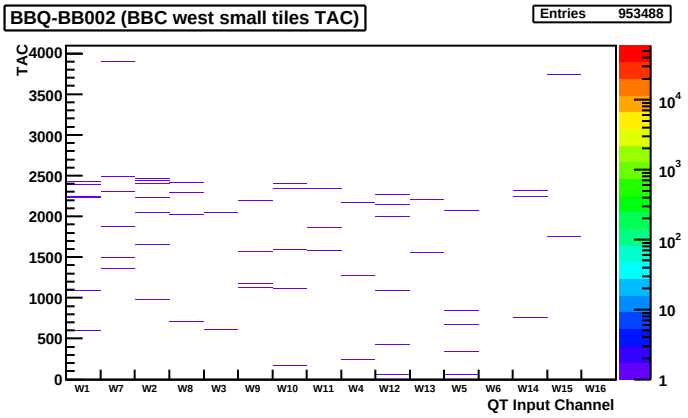

L1-TF201
Entries 59593
10^5
10^4
10^3
10^2
10
0
10
20
30
40
50
60
70
80
90
100
TOF total mult

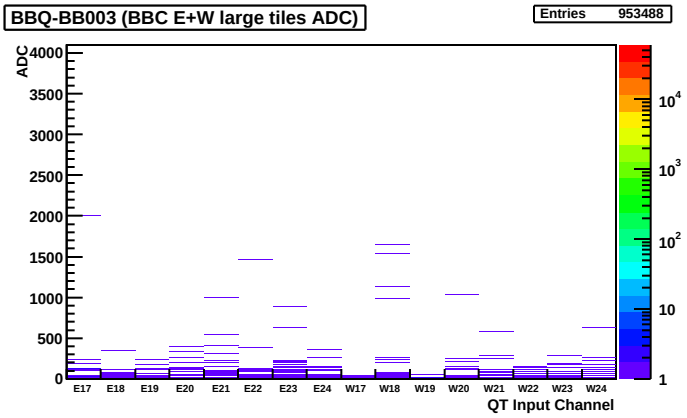

L1-TF201
Entries 357558
Threshold bits
1
0
1
1
1
59593
59592
59592
59593
59592
59593
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4
10^3
10^2
10
1

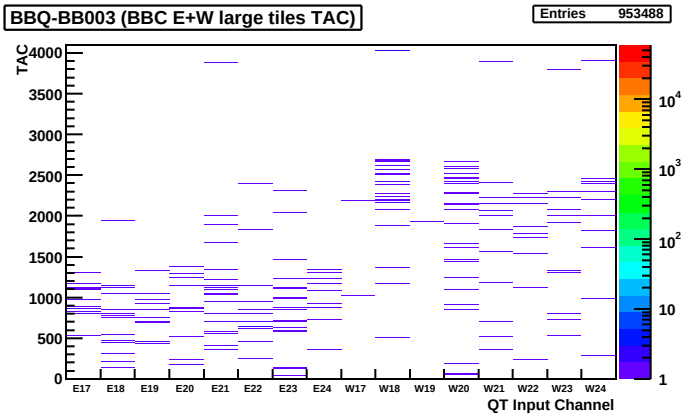

BBQ-BB001 (BBC east small tiles ADC)
Entries 953488
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

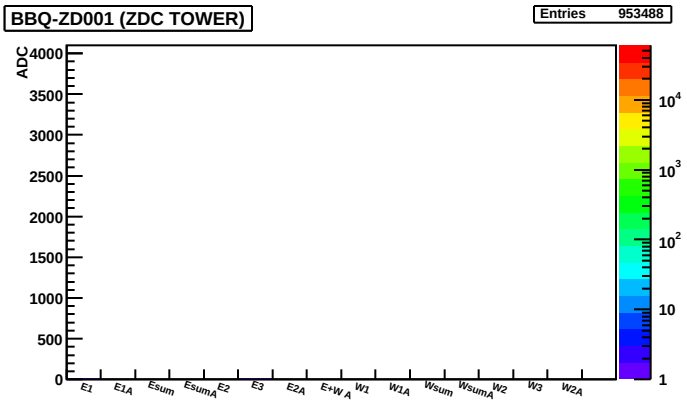

BBQ-BB001 (BBC east small tiles TAC)
Entries 953488
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

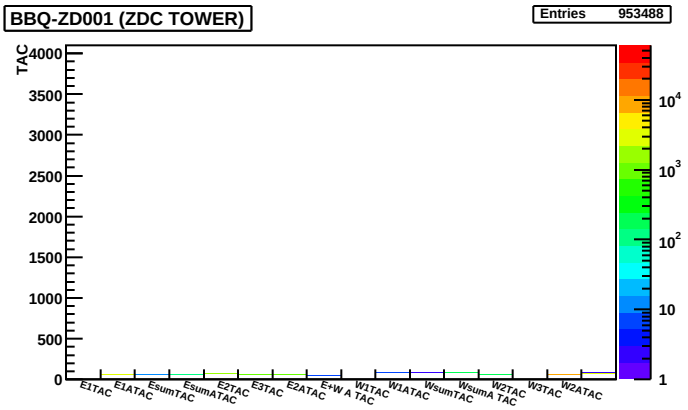

BBQ-BB002 (BBC west small tiles ADC)
Entries 953488
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

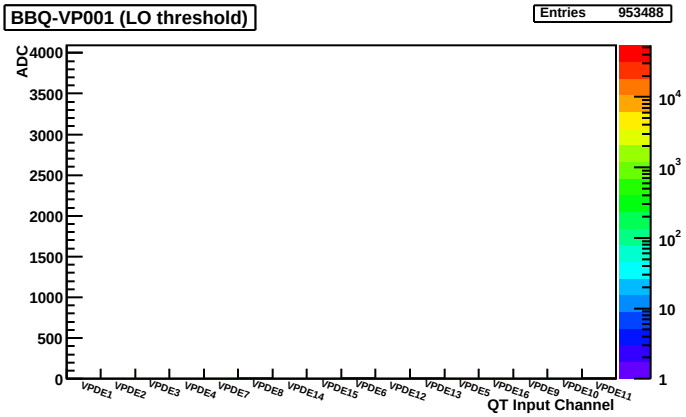

BBQ-BB002 (BBC west small tiles TAC)
Entries 953488
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

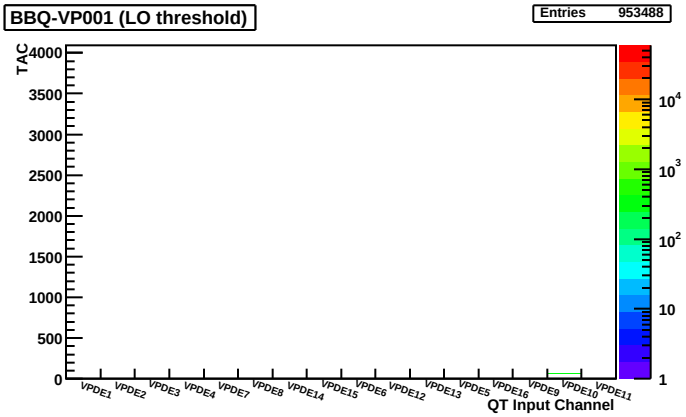

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 953488
ADC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

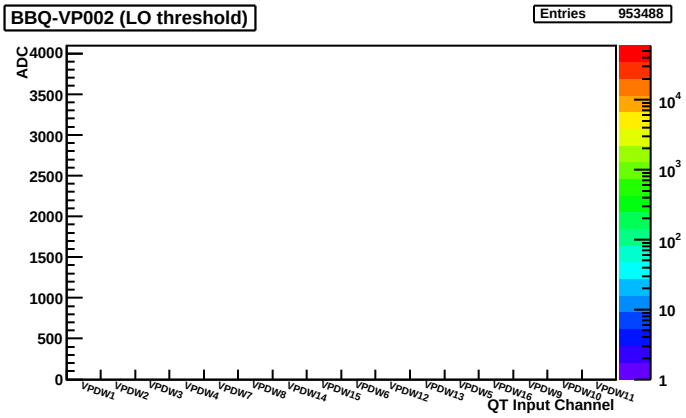

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 953488
TAC
QT Input Channel
E17 E18 E19 E20 E21 E22 E23 E24 W17 W18 W19 W20 W21 W22 W23 W24

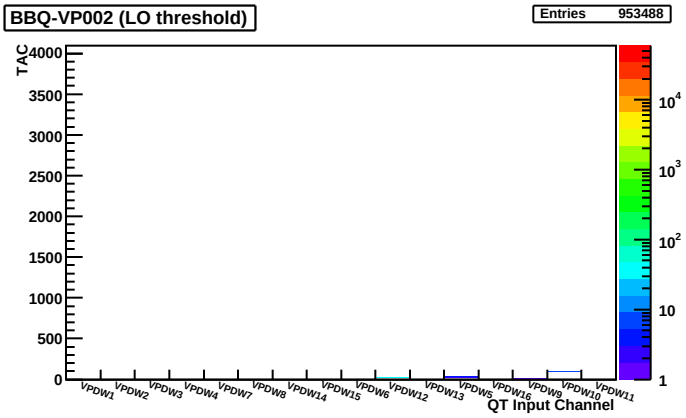

BBQ-ZD001 (ZDC TOWER)
Entries 953488
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

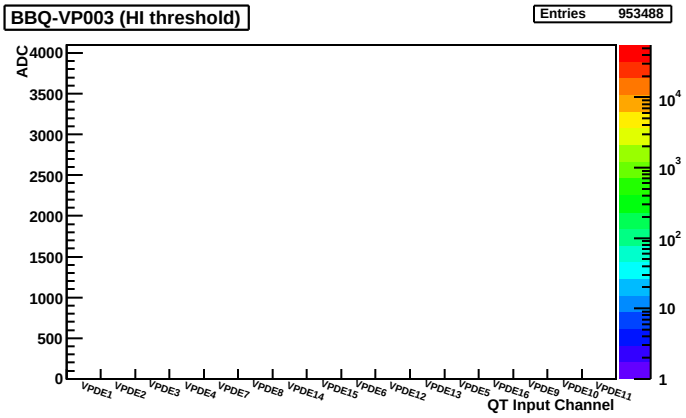

BBQ-ZD001 (ZDC TOWER)
Entries 953488
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

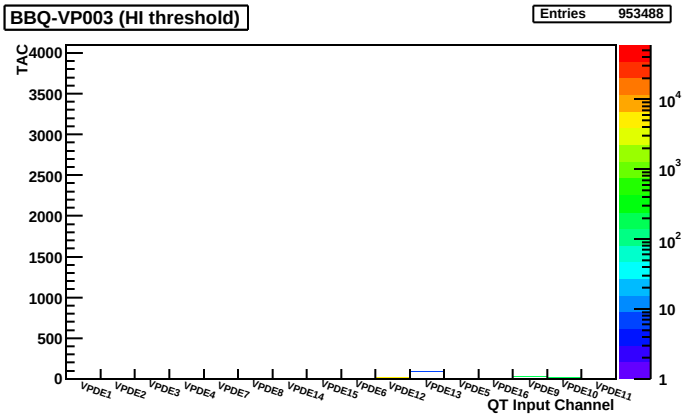

BBQ-VP001 (LO threshold)
Entries 953488
ADC
QT Input Channel

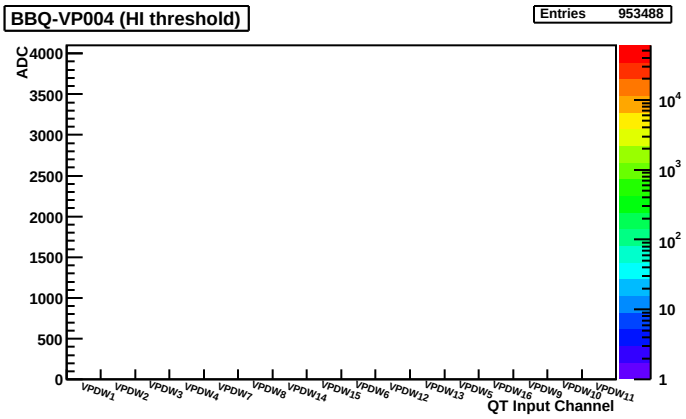

BBQ-VP001 (LO threshold)
Entries 953488
TAC
QT Input Channel

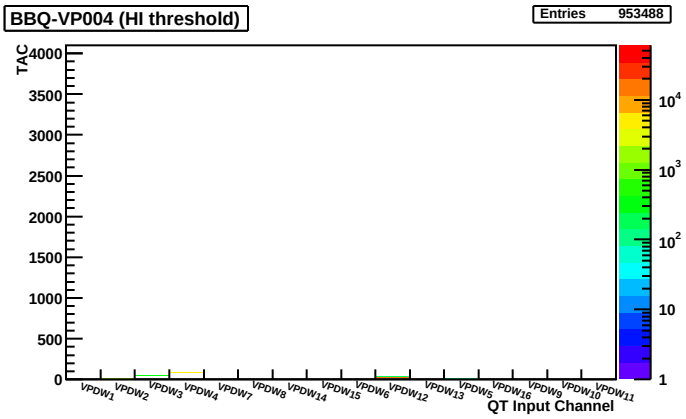

BBQ-VP002 (LO threshold)
Entries 953488
ADC
QT Input Channel

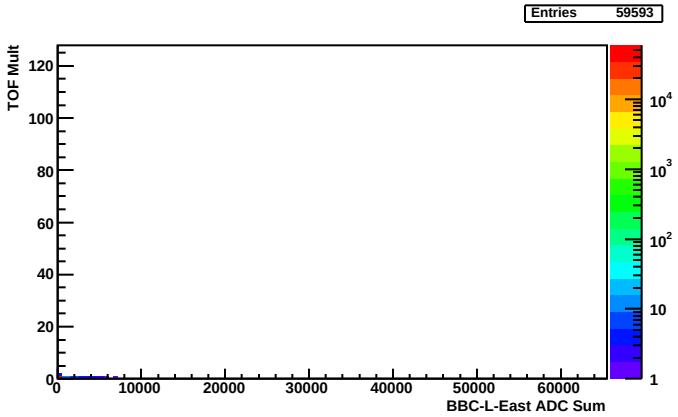

BBQ-VP002 (LO threshold)
Entries 953488
TAC
QT Input Channel

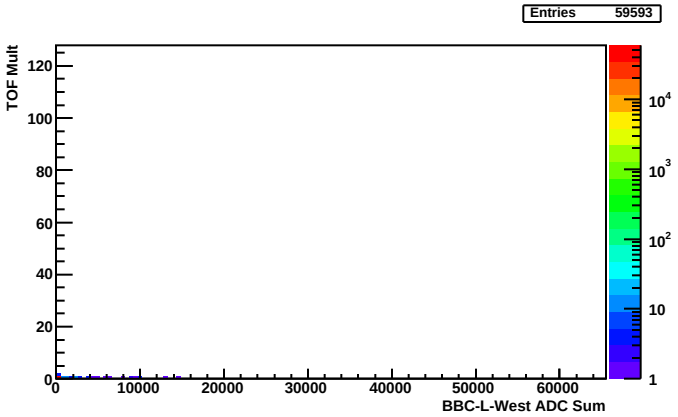

BBQ-VP003 (HI threshold)
Entries 953488
ADC
QT Input Channel

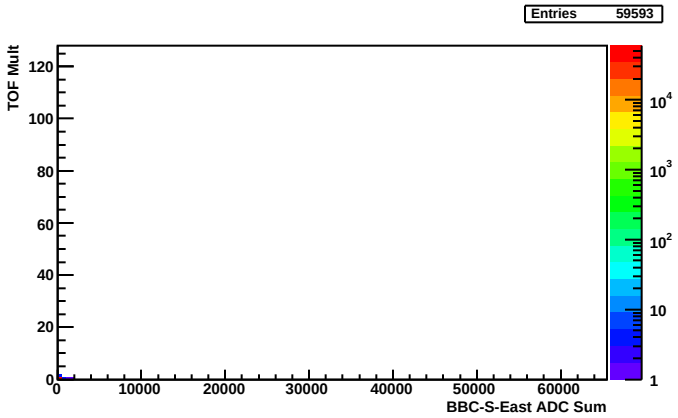

BBQ-VP003 (HI threshold)
Entries 953488
TAC
QT Input Channel

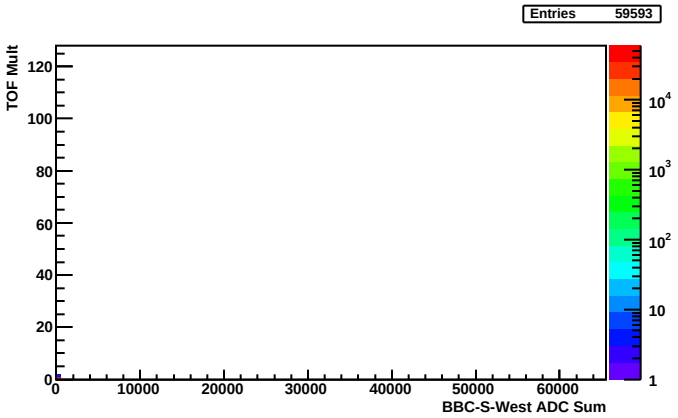

BBQ-VP004 (HI threshold)
Entries 953488
ADC
QT Input Channel

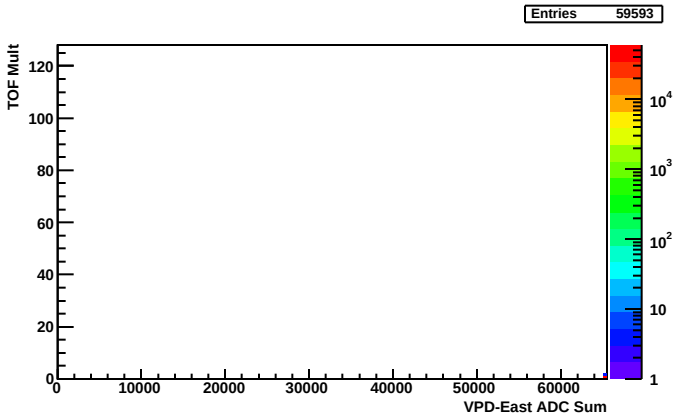

BBQ-VP004 (HI threshold)
Entries 953488
TAC
QT Input Channel

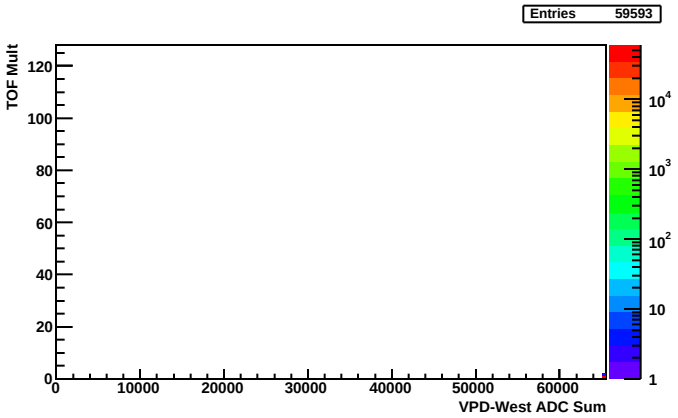

Entries 59593
TOF Mult
BBC-L-East ADC Sum

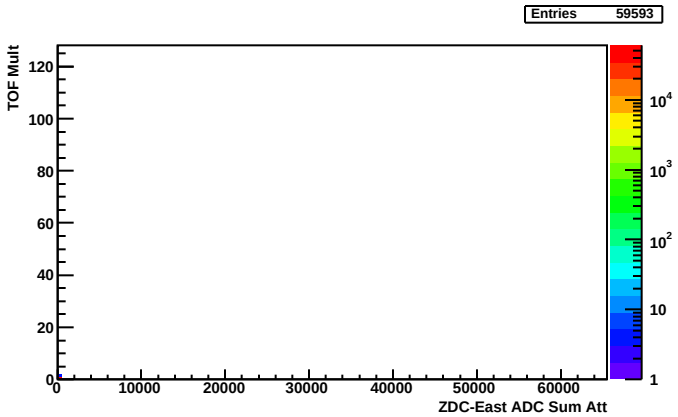

Entries 59593
TOF Mult
BBC-L-West ADC Sum

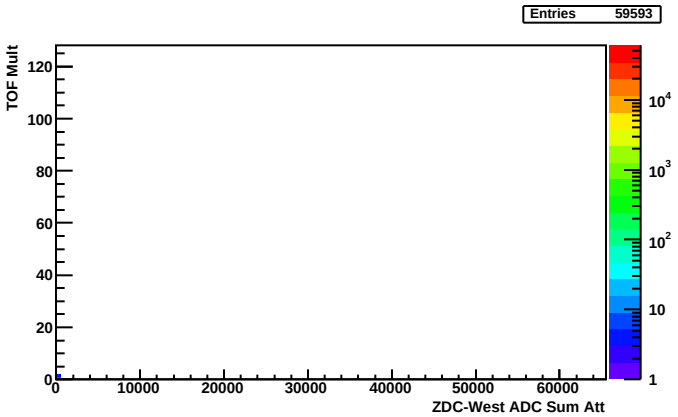

Entries 59593
TOF Mult
BBC-S-East ADC Sum

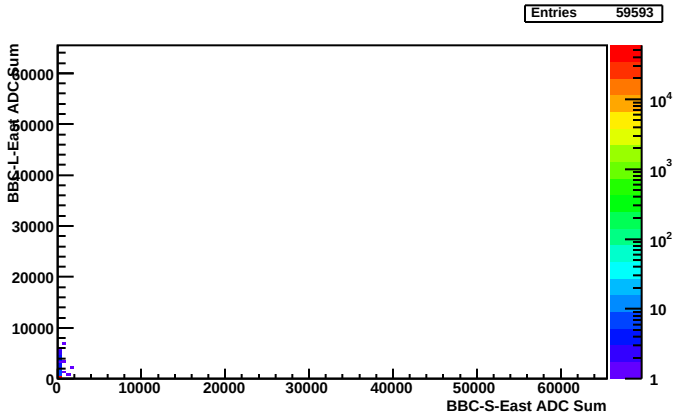

Entries 59593
TOF Mult
BBC-S-West ADC Sum

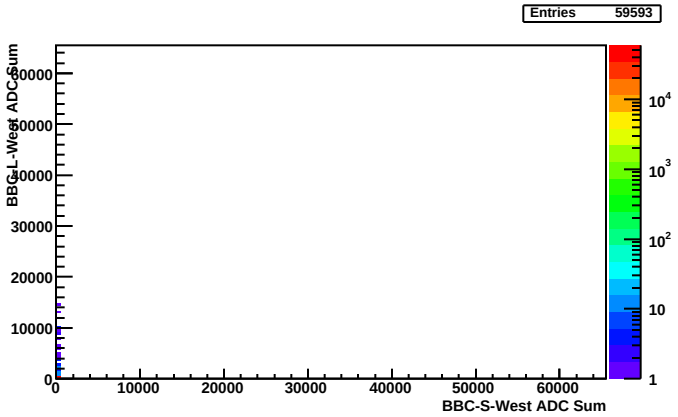

Entries 59593
TOF Mult
VPD-East ADC Sum

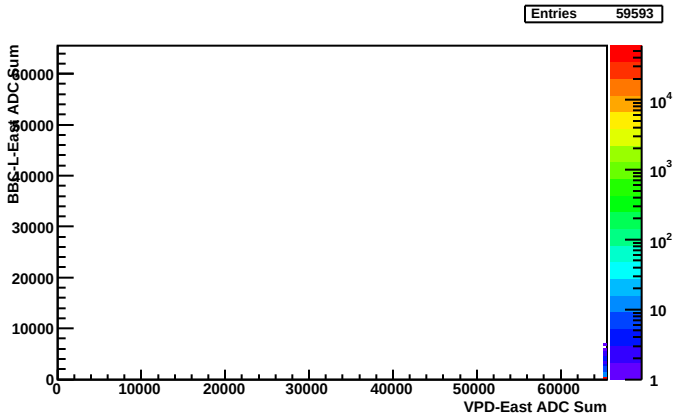

Entries 59593
TOF Mult
VPD-West ADC Sum

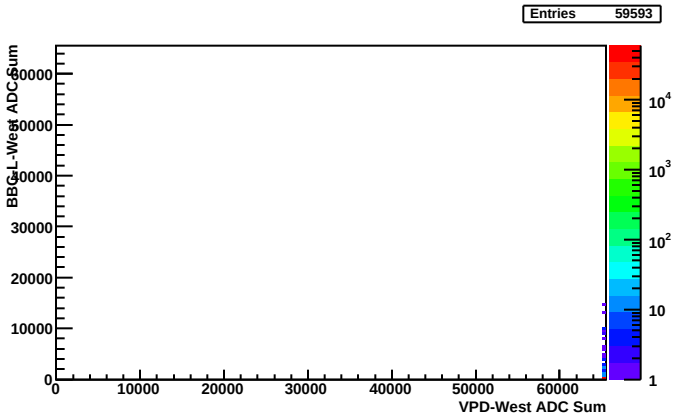

Entries 59593
TOF Mult
ZDC-East ADC Sum Att


Entries 59593
TOF Mult
ZDC-West ADC Sum Att


Entries 59593
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 59593
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 59593
BBC-L-East ADC Sum
VPD-East ADC Sum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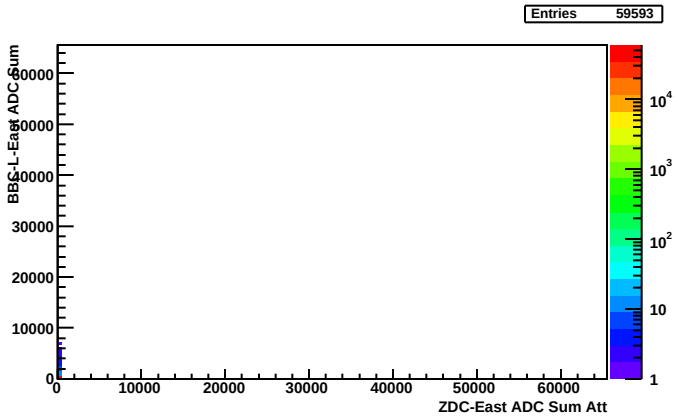
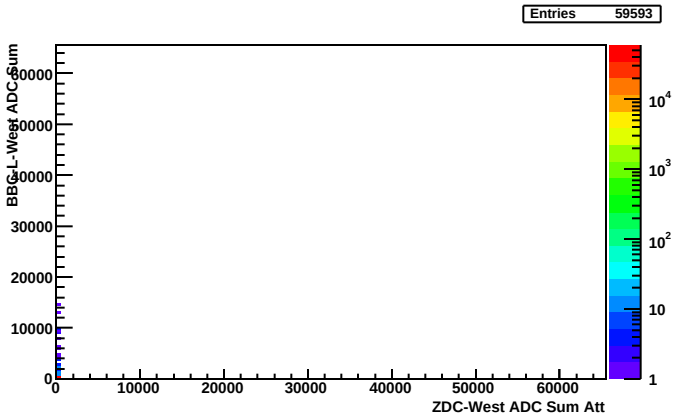
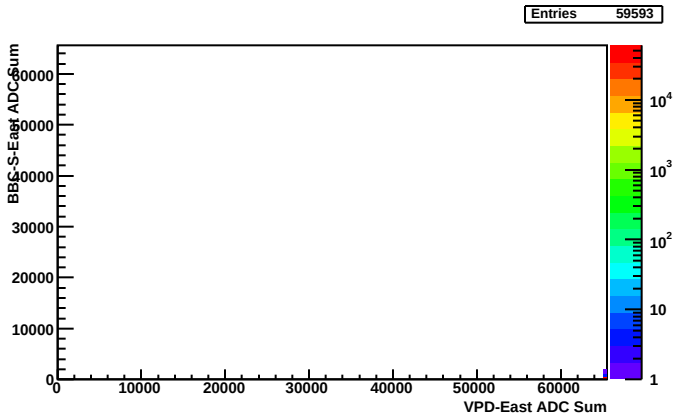
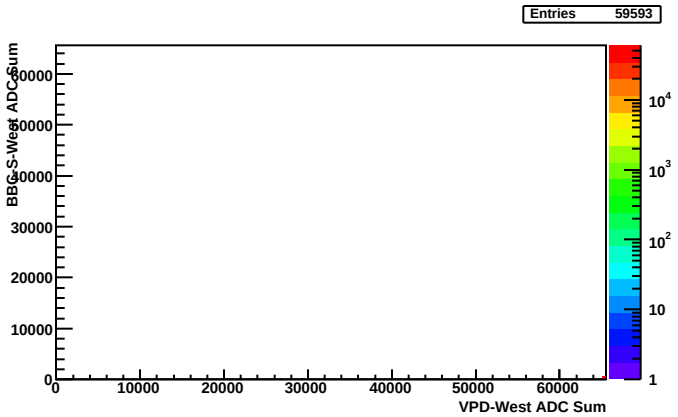
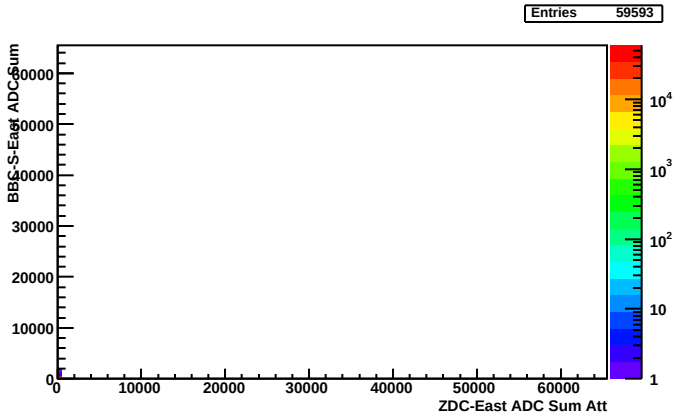
BBC-L-West ADC Sum
VPD-West ADC Sum

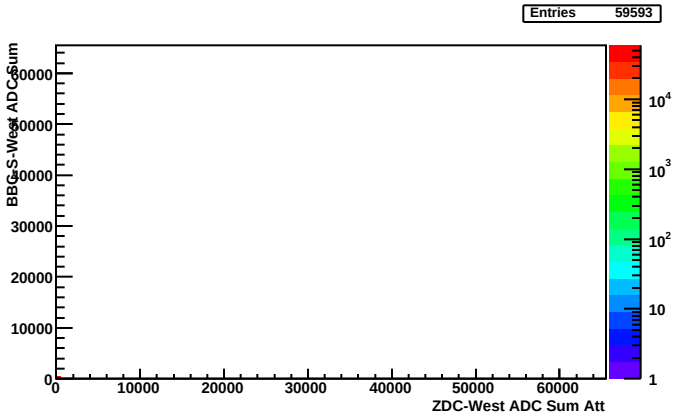

Entries 59593
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

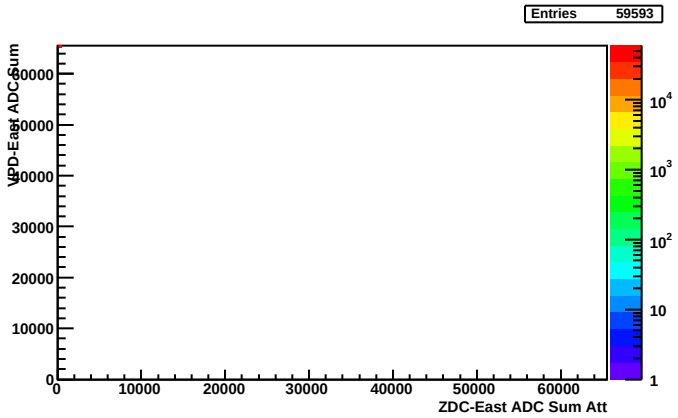

Entries 59593
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

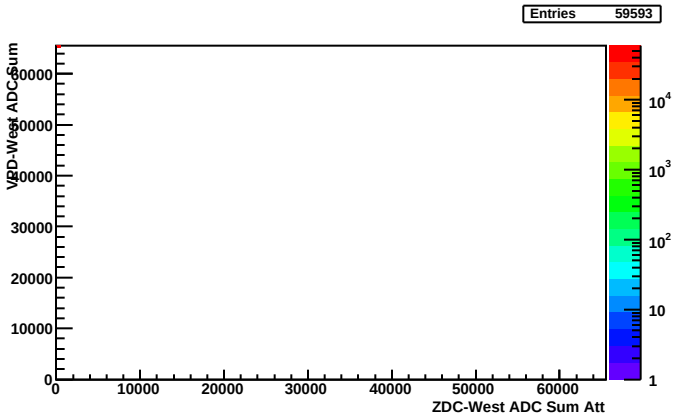

Entries 59593
BBC-S-East ADC Sum
VPD-East ADC Sum

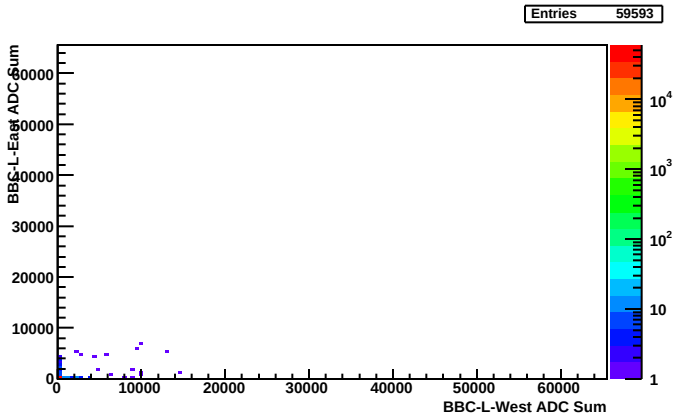

Entries 59593
BBC-S-West ADC Sum
VPD-West ADC Sum

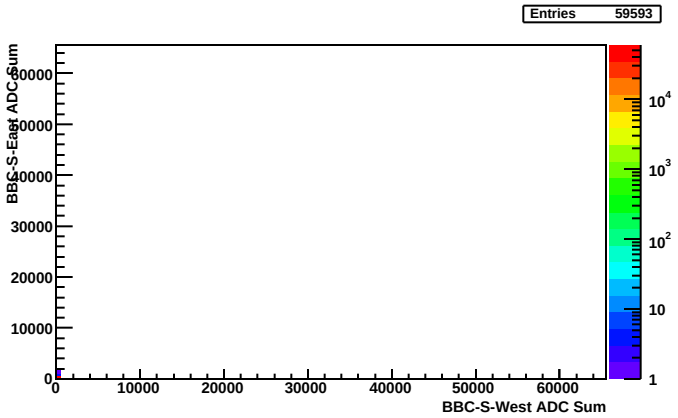

Entries 59593
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

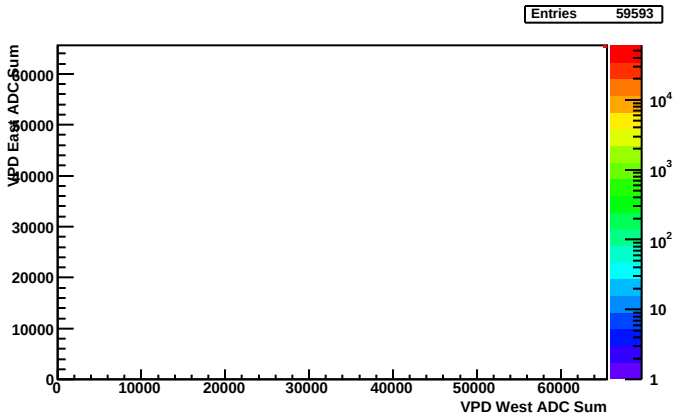

Entries 59593
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

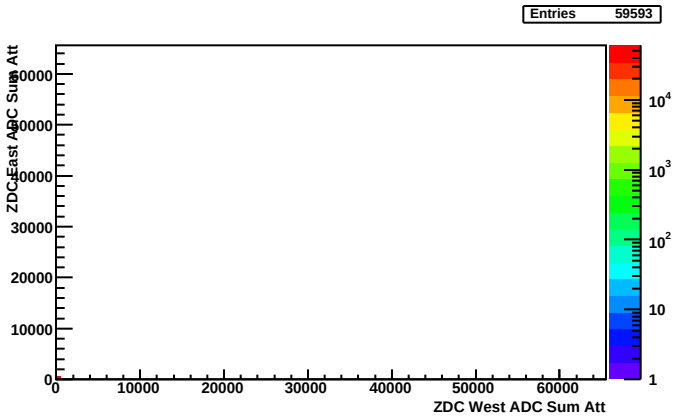

Entries 59593
VPD-East ADC Sum
ZDC-East ADC Sum Att

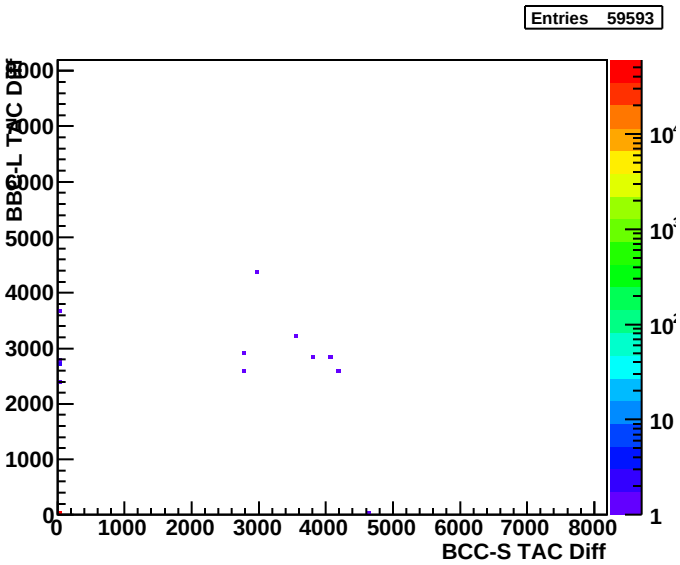

Entries 59593
VPD-West ADC Sum
ZDC-West ADC Sum Att

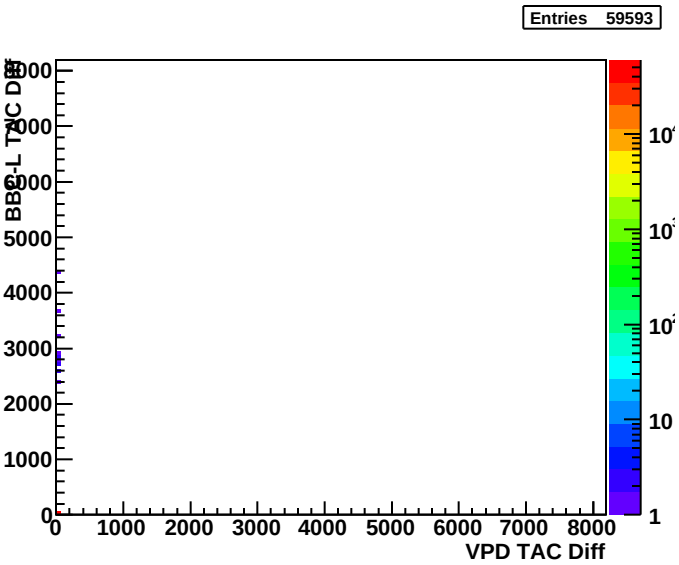

Entries 59593
BBC-L-East ADC Sum
BBC-L-West ADC Sum

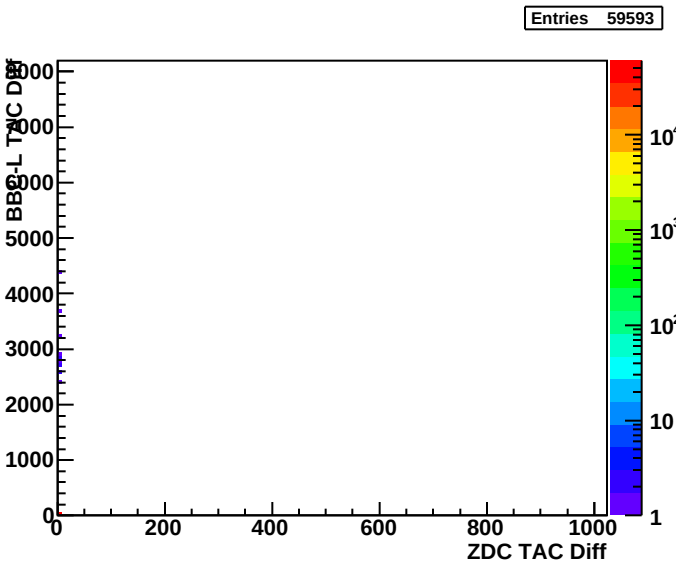

Entries 59593
BBC-S-East ADC Sum
BBC-S-West ADC Sum

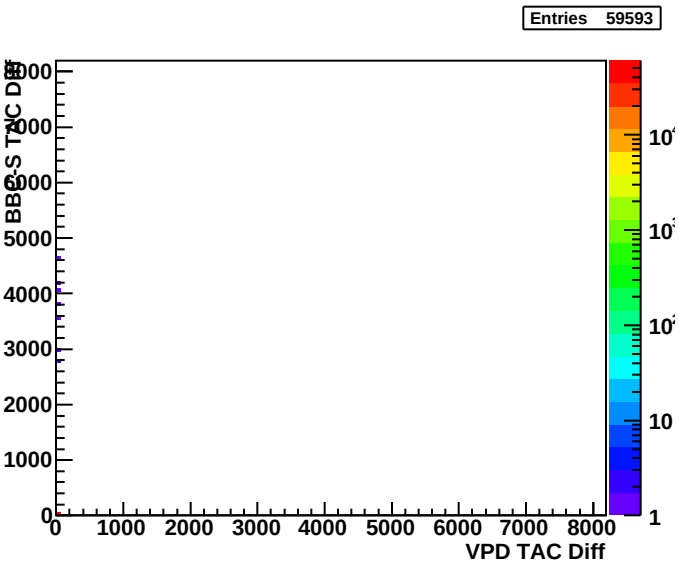

Entries 59593
VPD East ADC Sum
VPD West ADC Sum

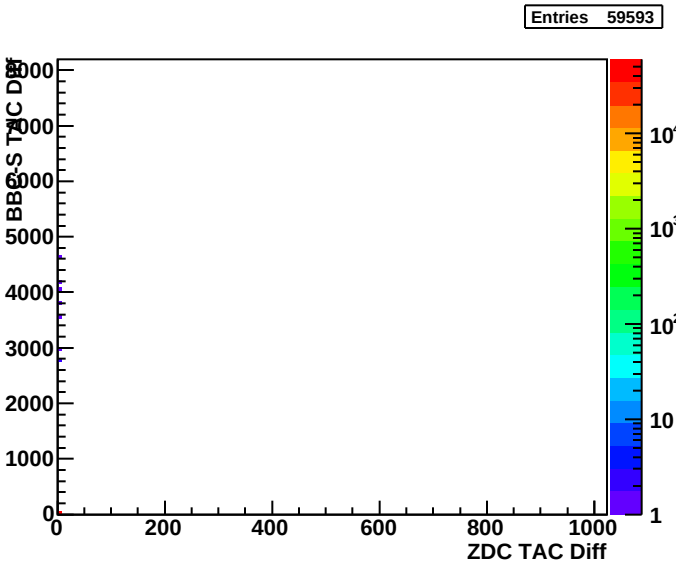

Entries 59593
ZDC-East ADC Sum Att
ZDC West ADC Sum Att

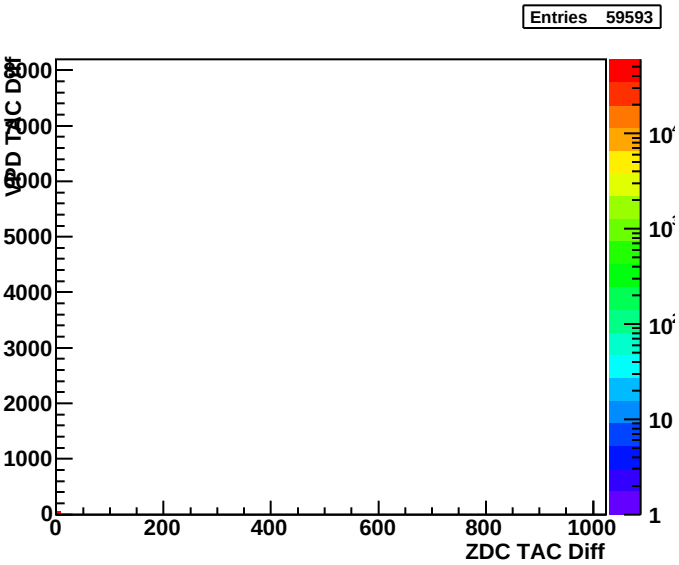

Entries 59593
BBC-L TAC Diff
BCC-S TAC Diff

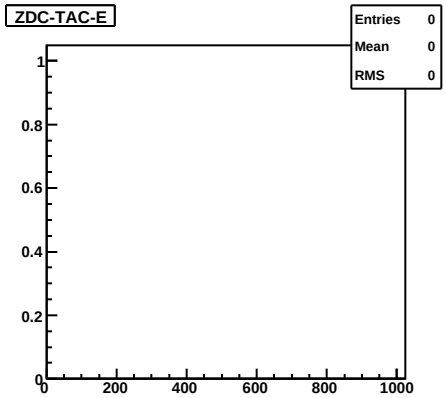

Entries 59593
BBC-L TAC Diff
VPD TAC Diff

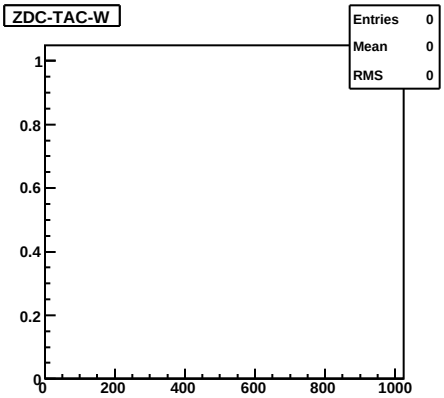

Entries 59593
BBC-L TAC Diff
ZDC TAC Diff

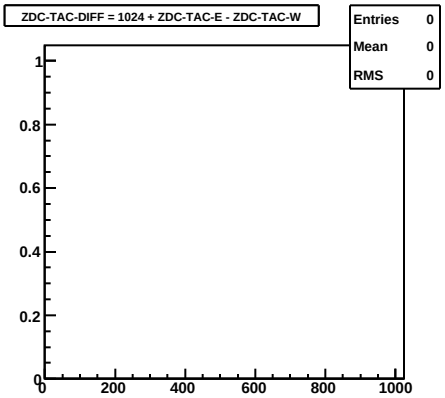

Entries 59593
BBC-S TAC Diff
VPD TAC Diff

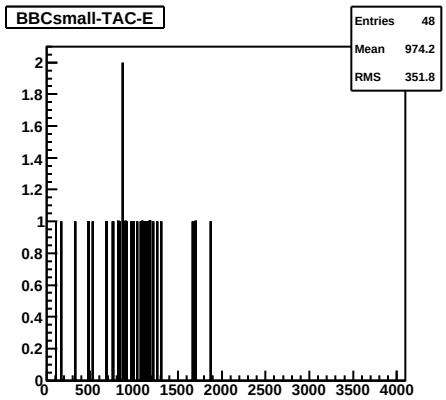

Entries 59593
BBC-S TAC Diff
ZDC TAC Diff

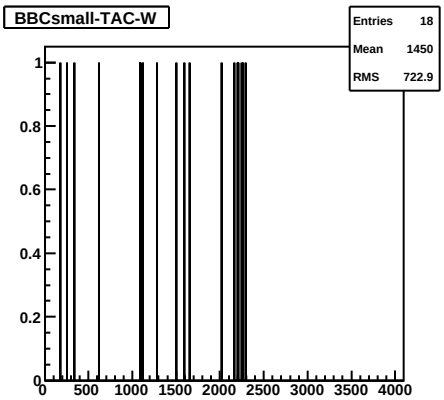

Entries 59593
VPD TAC Diff
ZDC TAC Diff

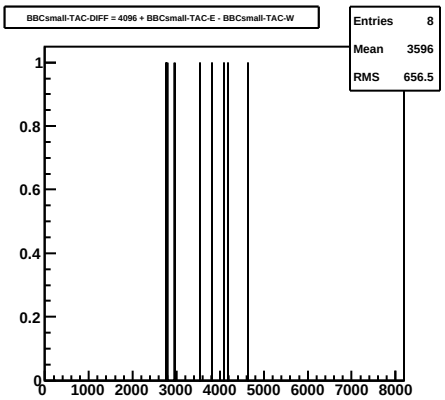

ZDC-TAC-E
Entries 0
Mean 0
RMS 0

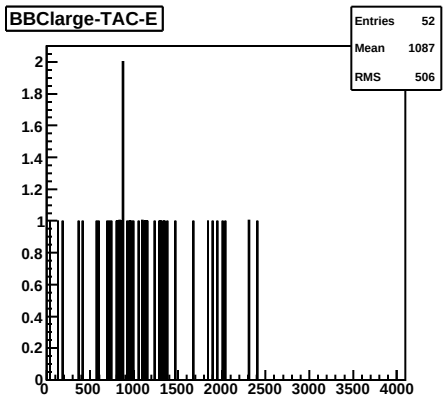

ZDC-TAC-W
Entries 0
Mean 0
RMS 0

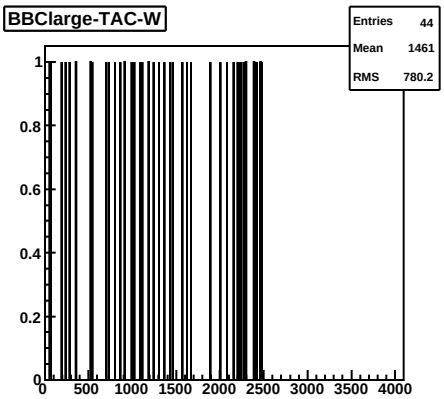

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 0
Mean 0
RMS 0

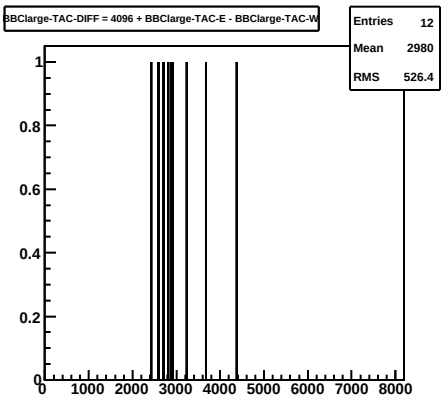

BBCsmall-TAC-E
Entries 48
Mean 974.2
RMS 351.8

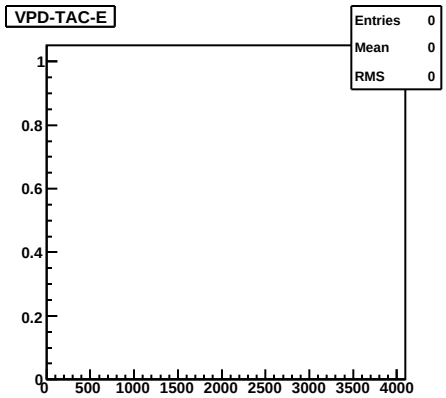

BBCsmall-TAC-W
Entries 18
Mean 1450
RMS 722.9

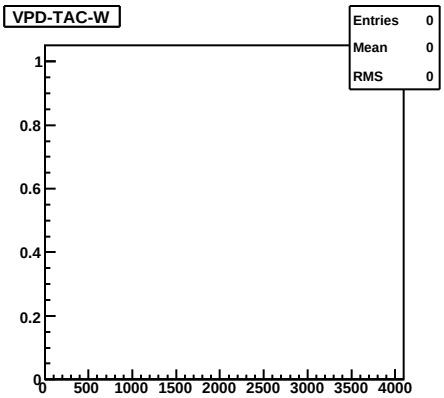

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries 8
Mean 3596
RMS 656.5

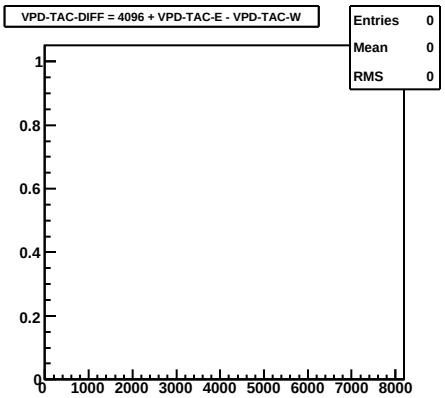

BBClarge-TAC-E
Entries 52
Mean 1087
RMS 506

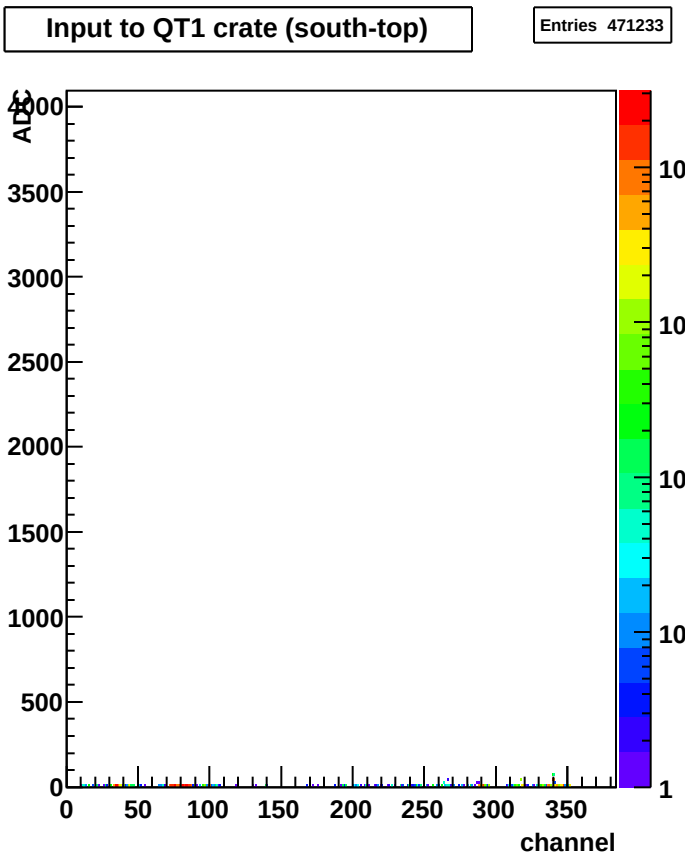

BBClarge-TAC-W
Entries 44
Mean 1461
RMS 780.2

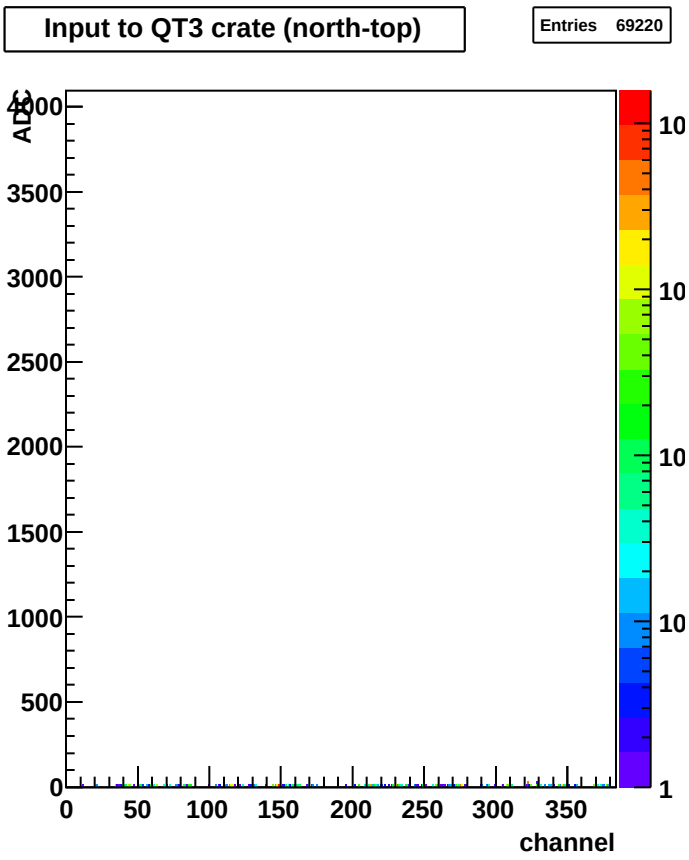

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries 12
Mean 2980
RMS 526.4

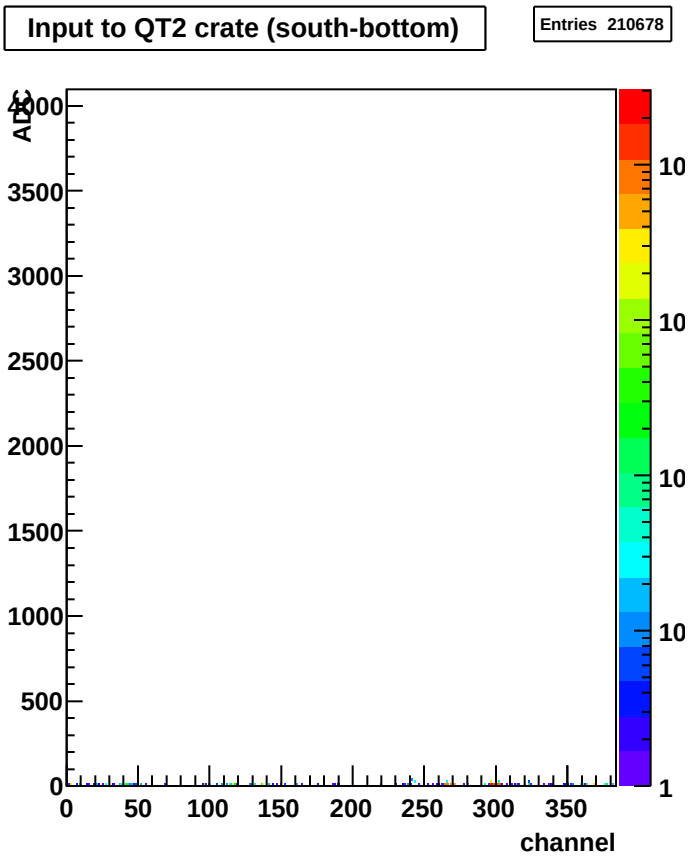

VPD-TAC-E
Entries 0
Mean 0
RMS 0

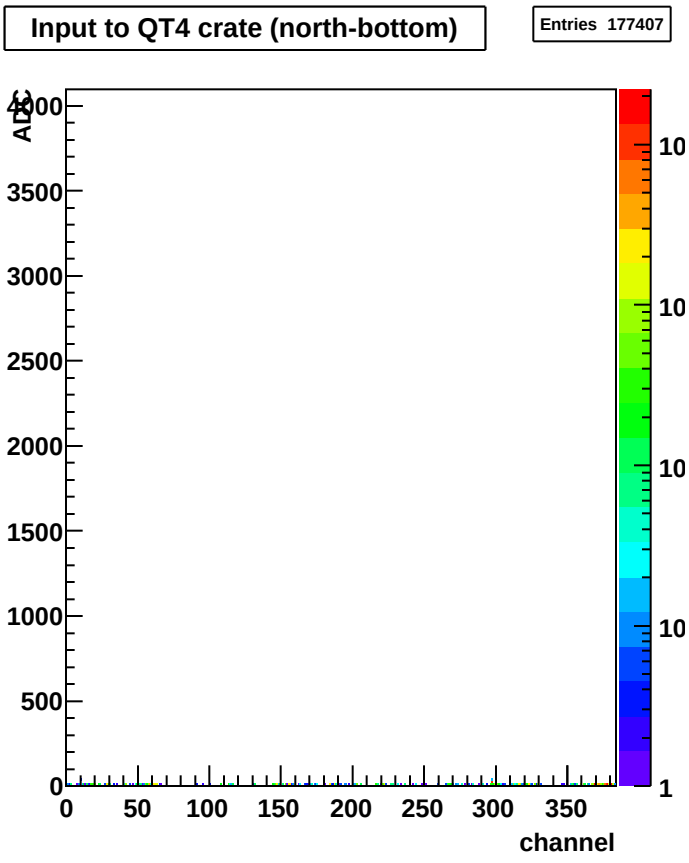

VPD-TAC-W
Entries 0
Mean 0
RMS 0

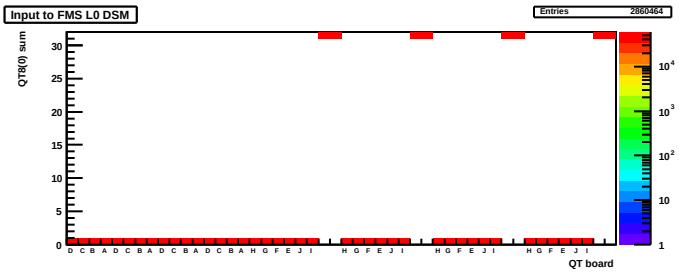

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries 0
Mean 0
RMS 0

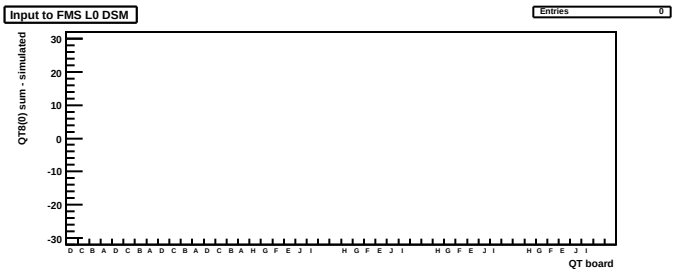

Input to QT1 crate (south-top)
Entries 471233
ADC
channel

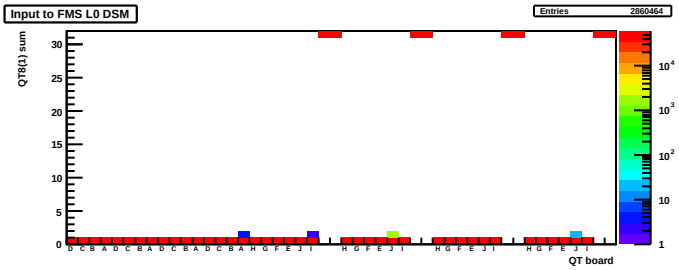

Input to QT3 crate (north-top)
Entries 69220
ADC
channel

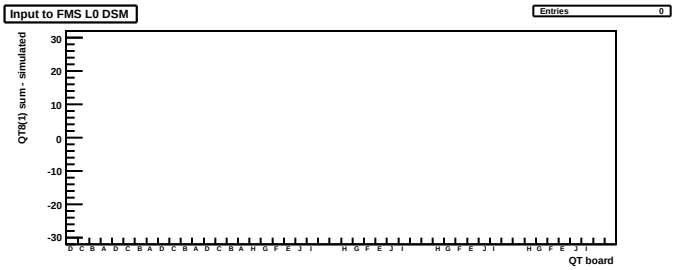

Input to QT2 crate (south-bottom)
Entries 210678
ADC
channel

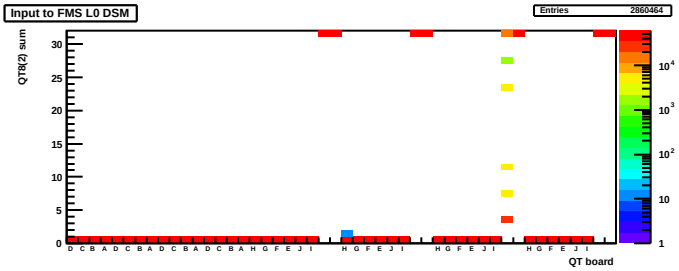

Input to QT4 crate (north-bottom)
Entries 177407
ADC
channel

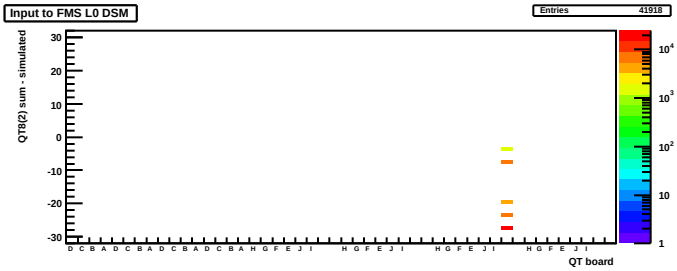

Input to FMS L0 DSM
Entries 2860464
QT8(0) sum
QT board

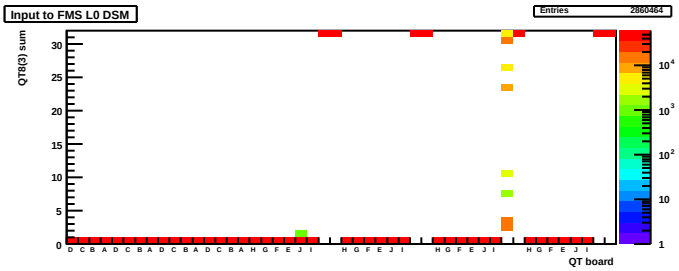

Input to FMS L0 DSM
Entries 0
QT8(0) sum - simulated
QT board

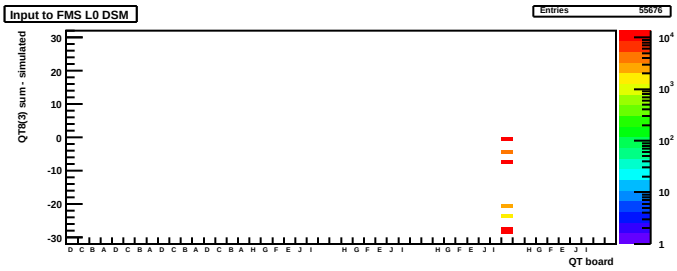

Input to FMS L0 DSM
Entries 2860464
QT8(1) sum
QT board

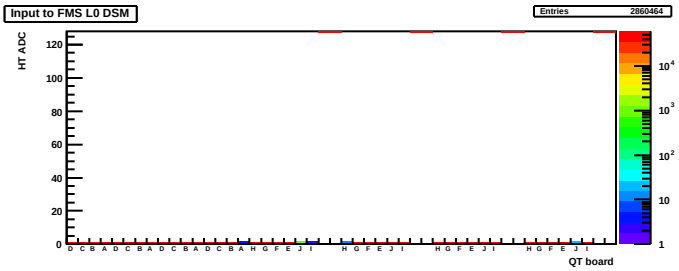

Input to FMS L0 DSM
Entries 0
QT8(1) sum - simulated
QT board

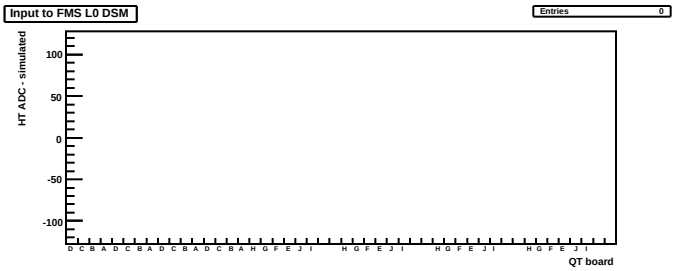

Input to FMS L0 DSM
Entries 2860464
QT8(2) sum
QT board

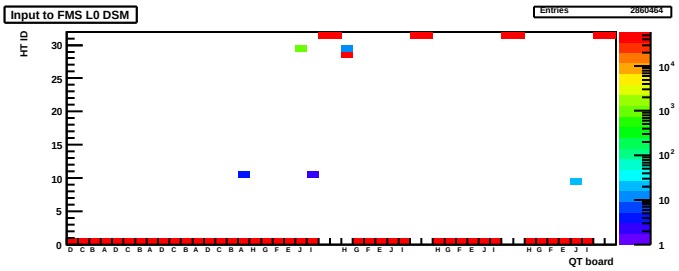

Input to FMS L0 DSM
Entries 41918
QT8(2) sum - simulated
QT board

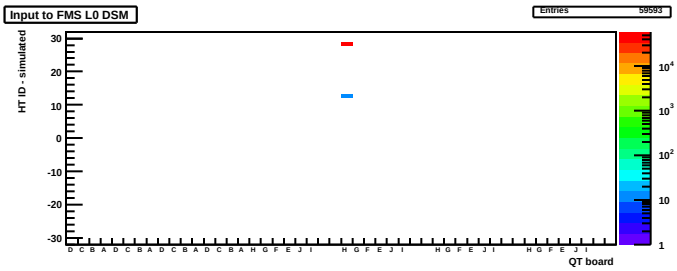

Input to FMS L0 DSM
Entries 2860464
QT8(3) sum
QT board

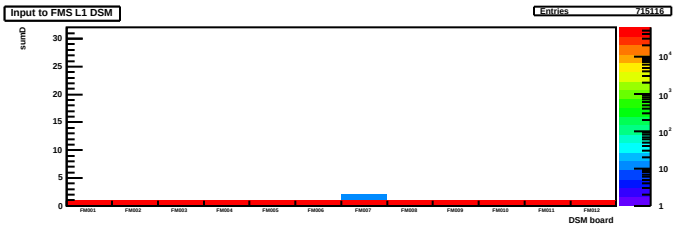

Input to FMS L0 DSM
Entries 55676
QT8(3) sum - simulated
QT board

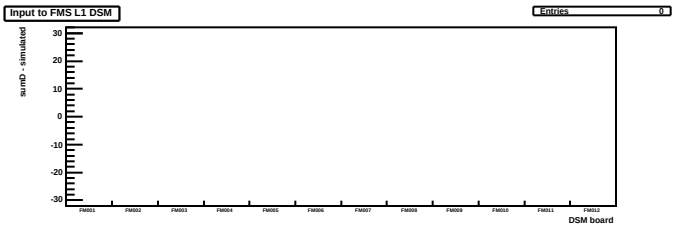

Input to FMS L0 DSM
Entries 2860464
HT ADC
QT board

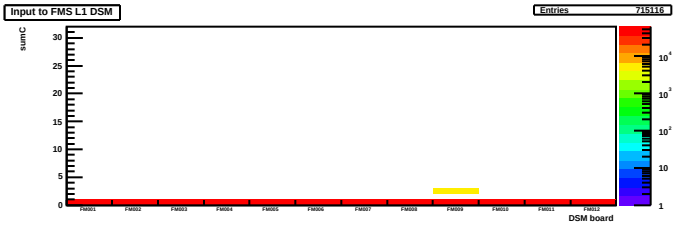

Input to FMS L0 DSM
Entries 0
HT ADC - simulated
QT board

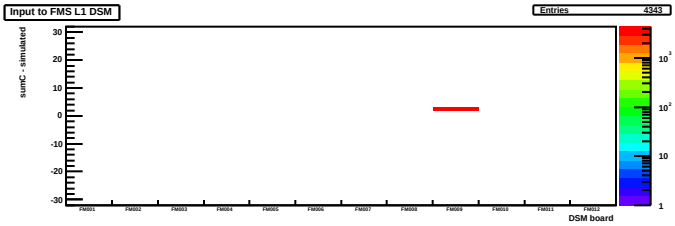

Input to FMS L0 DSM
Entries 2860464
HT ID
QT board

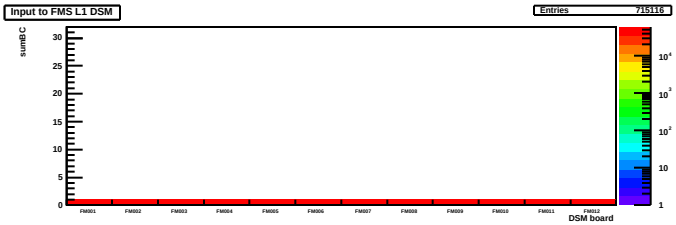

Input to FMS L0 DSM
Entries 59593
HT ID - simulated
QT board

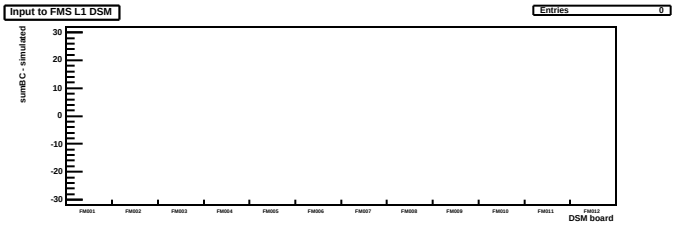

Input to FMS L1 DSM
Entries 715116
sumD
DSM board

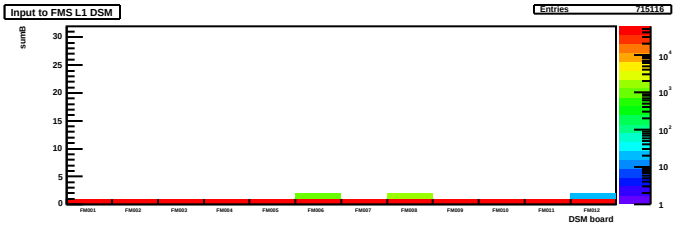

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

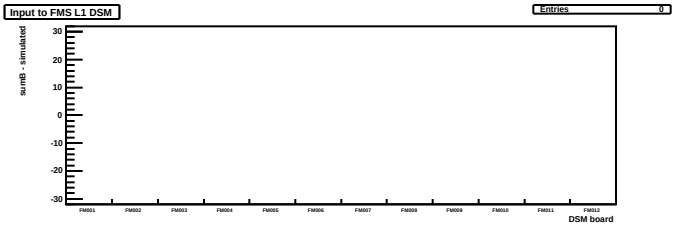

Input to FMS L1 DSM
Entries 715116
sumC
DSM board

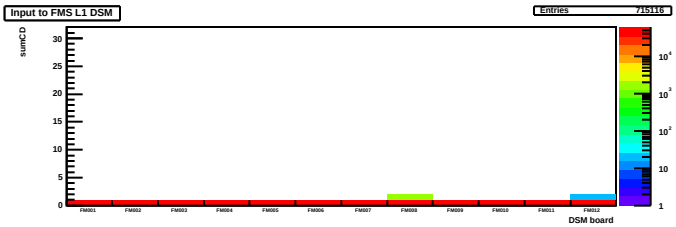

Input to FMS L1 DSM
Entries 4343
sumC - simulated
DSM board

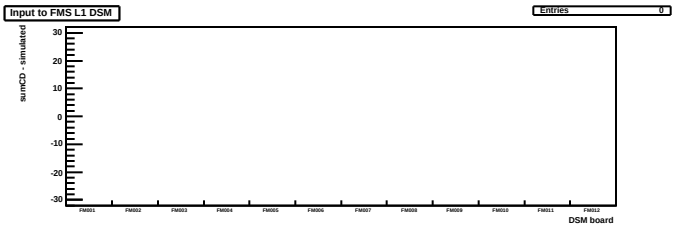

Input to FMS L1 DSM
Entries 715116
sumBC
DSM board

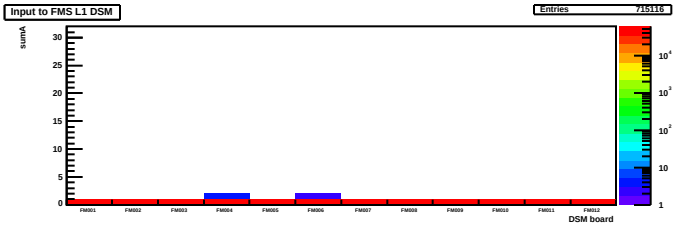

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

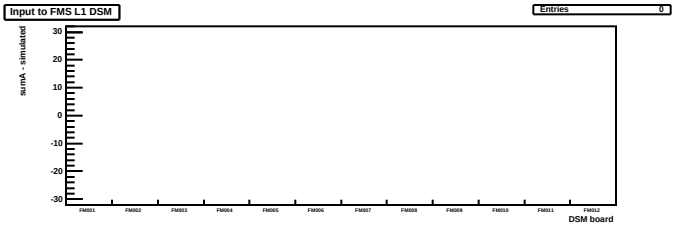

Input to FMS L1 DSM
Entries 715116
sumB
DSM board

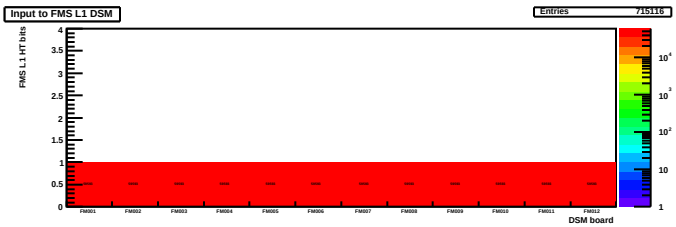

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

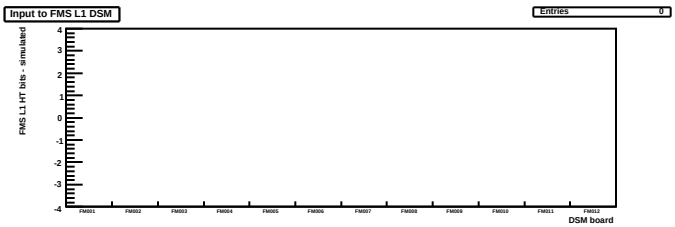

Input to FMS L1 DSM
Entries 715116
sumCD
DSM board

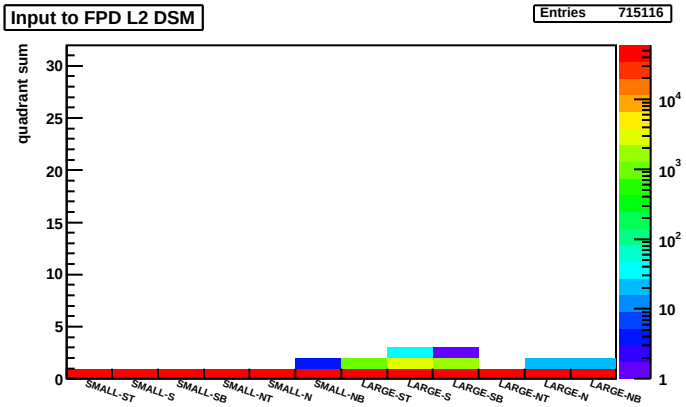

Input to FMS L1 DSM
Entries 0
sumCD - simulated
DSM board

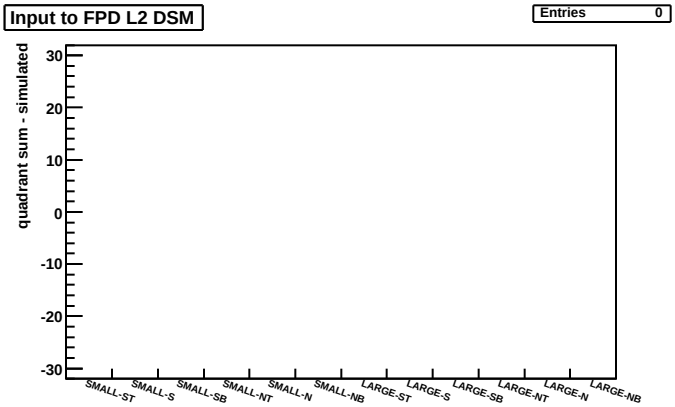

Input to FMS L1 DSM
Entries 715116
sumA
DSM board

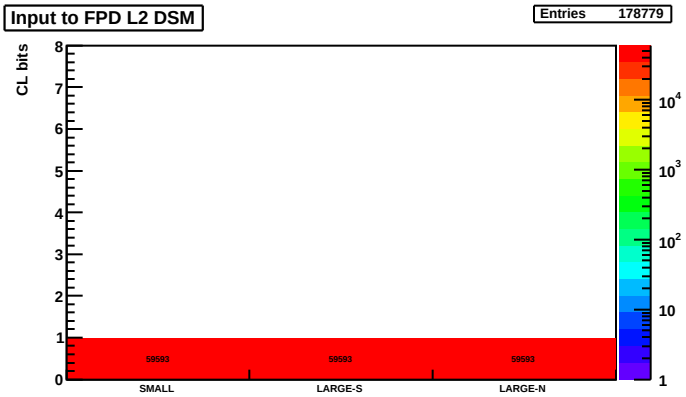

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

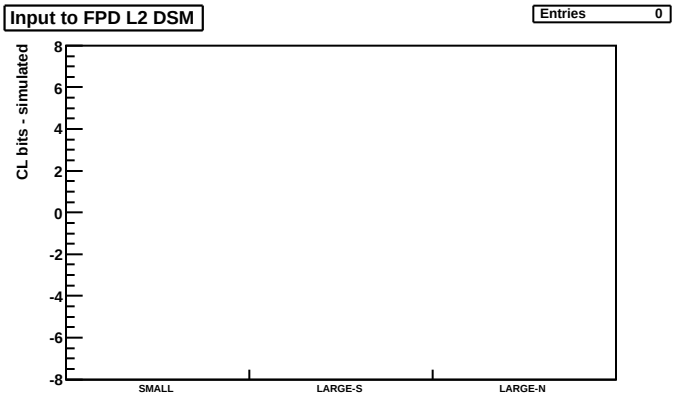

Input to FMS L1 DSM
Entries 715116
FMS L1 HT bits
DSM board

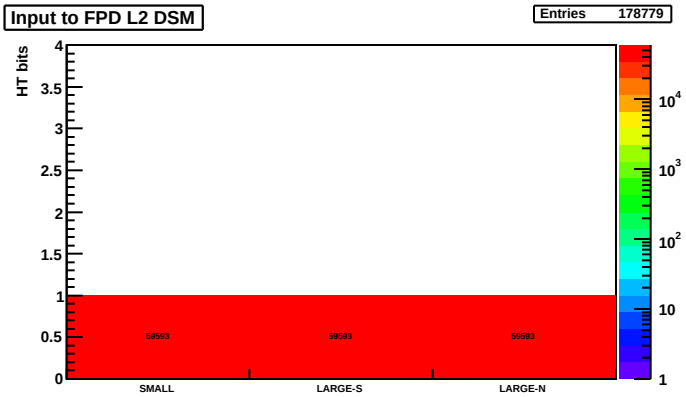

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

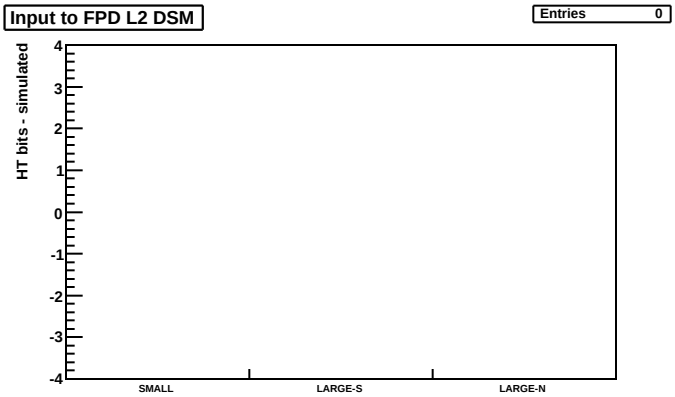

Input to FPD L2 DSM
Entries 715116
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

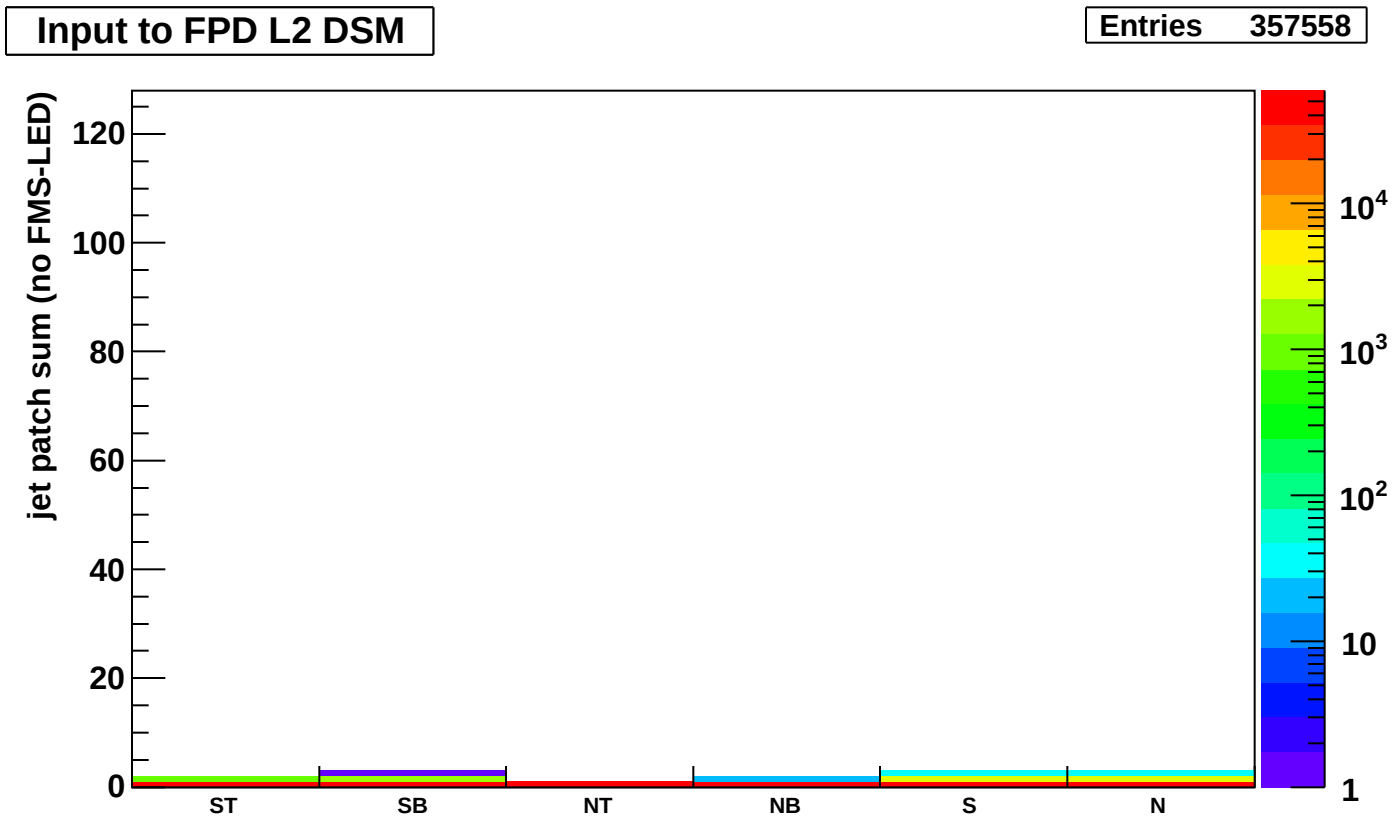

Input to FPD L2 DSM
Entries 0
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

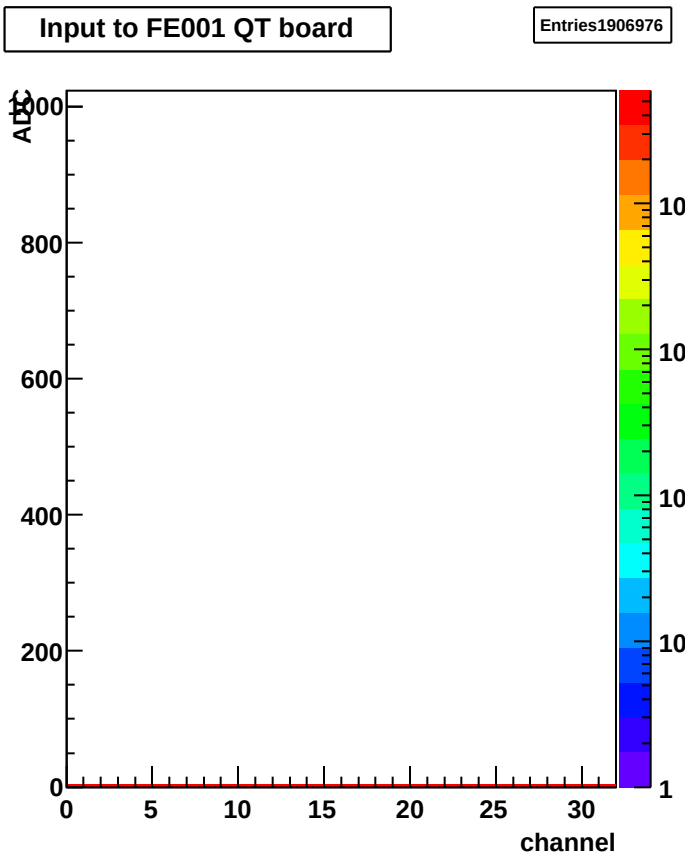

Input to FPD L2 DSM
Entries 178779
CL bits
59593
59593
59593
SMALL
LARGE-S
LARGE-N

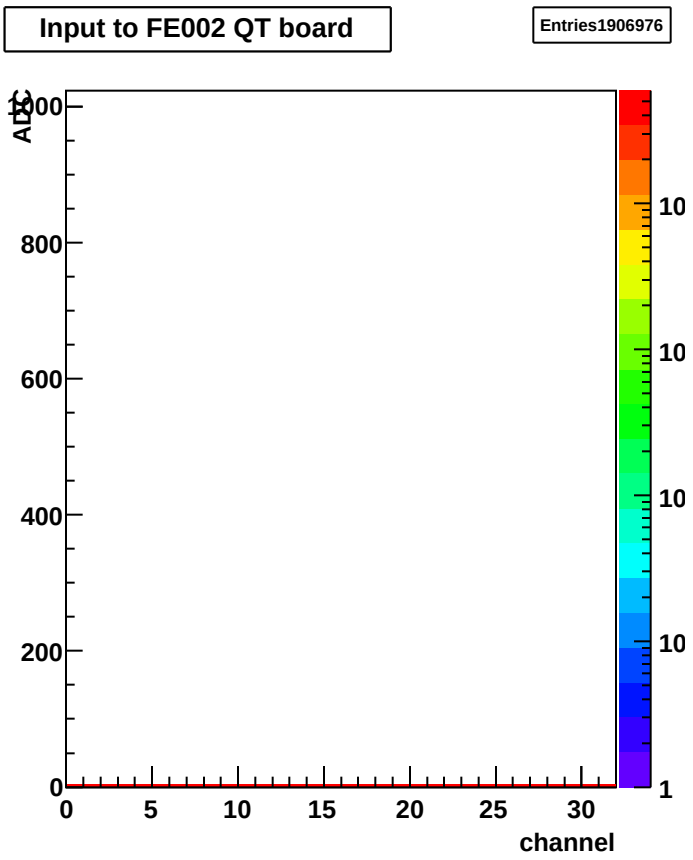

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

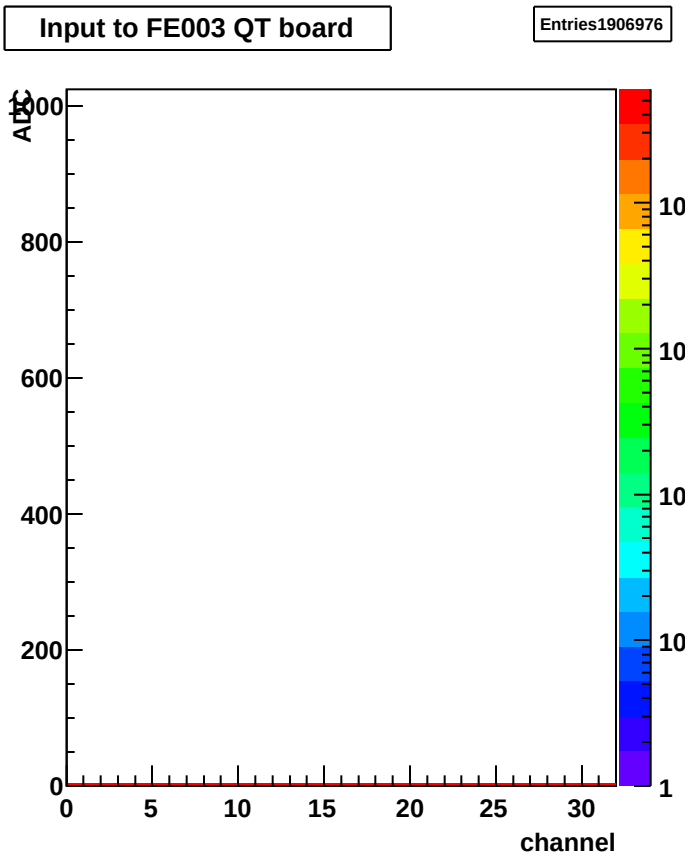

Input to FPD L2 DSM
Entries 178779
HT bits
59593
59593
59593
SMALL
LARGE-S
LARGE-N

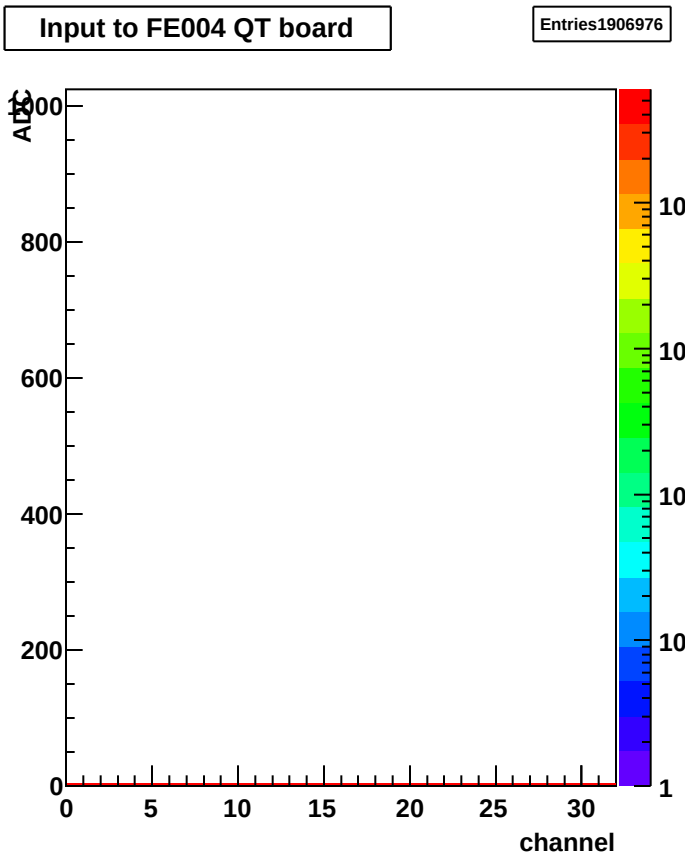

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

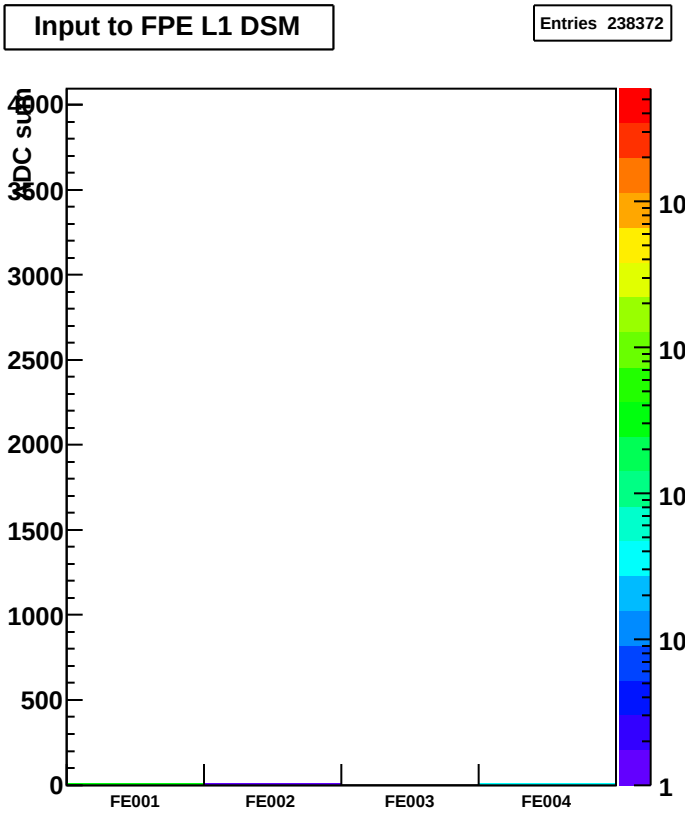

Input to FPD L2 DSM
Entries 357558
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4

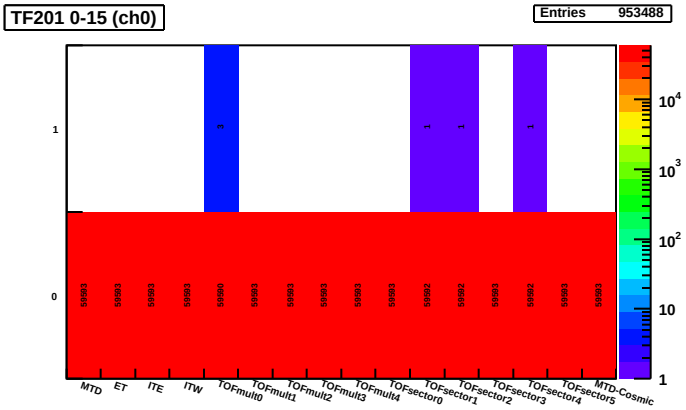

Input to FE001 QT board
Entries1906976
ADC
channel

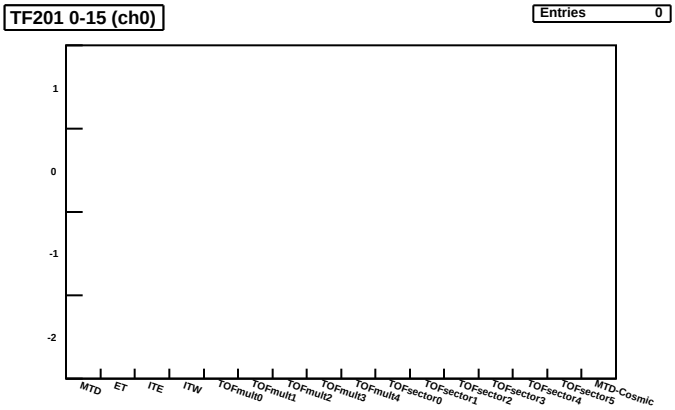

Input to FE002 QT board
Entries1906976
ADC
channel


Input to FE003 QT board
Entries1906976
ADC
channel


Input to FE004 QT board
Entries1906976
ADC
channel


Input to FPE L1 DSM
Entries 238372
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
1


TF201 0-15 (ch0)
Entries 953488
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic


TF201 0-15 (ch0)
Entries 0
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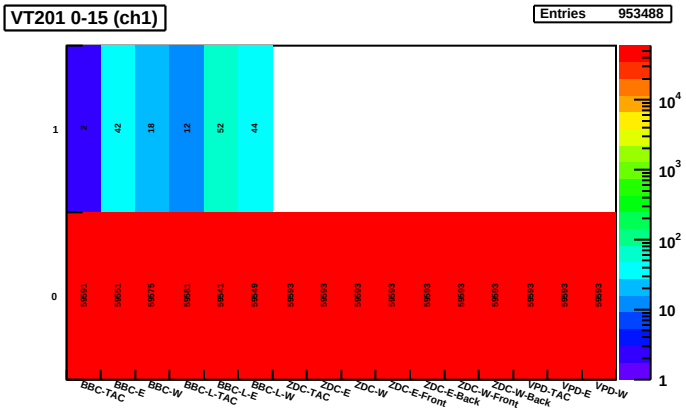
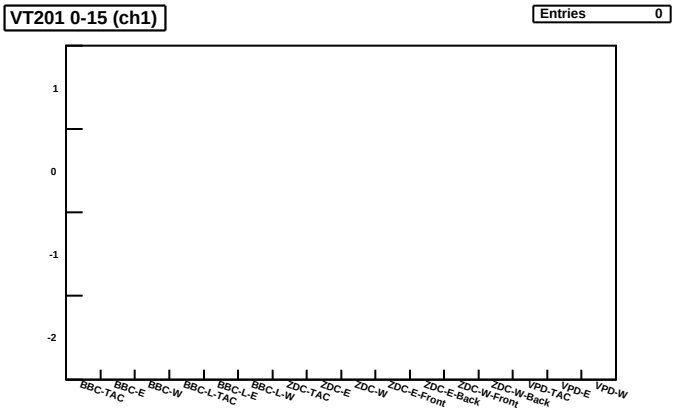
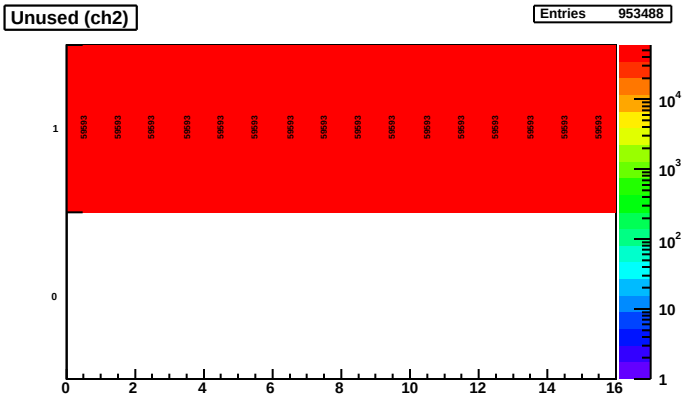

VT201 0-15 (ch1)
Entries 953488
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 0
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W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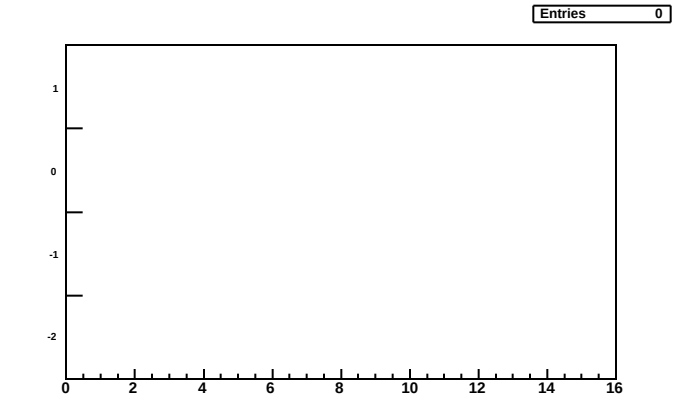
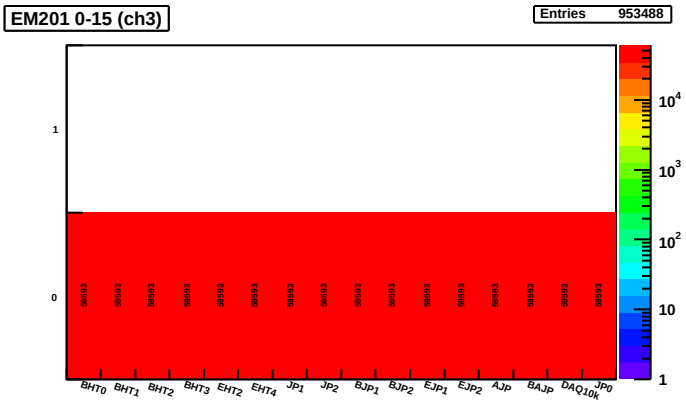

Entries 0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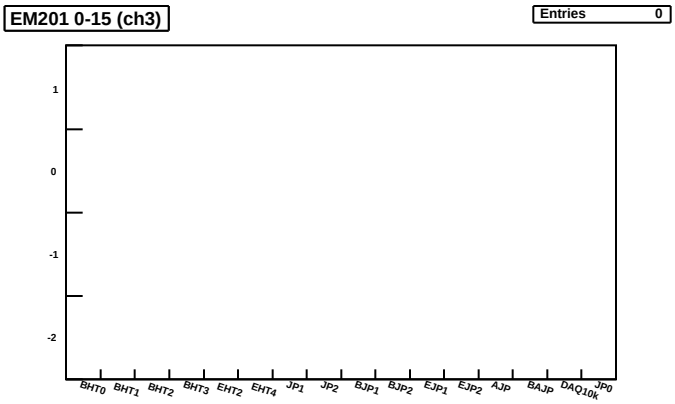
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP DAQ10k JP0


EM201 0-15 (ch3)
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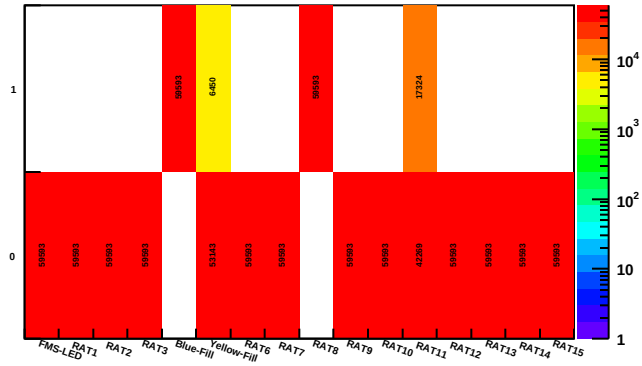
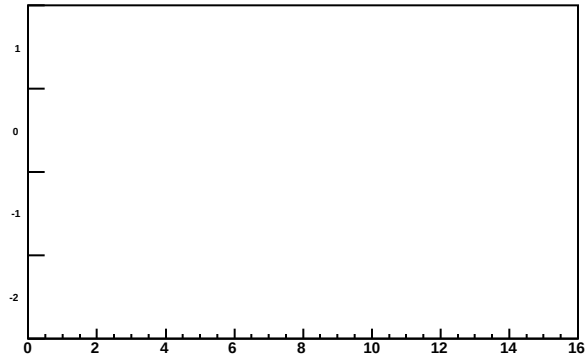
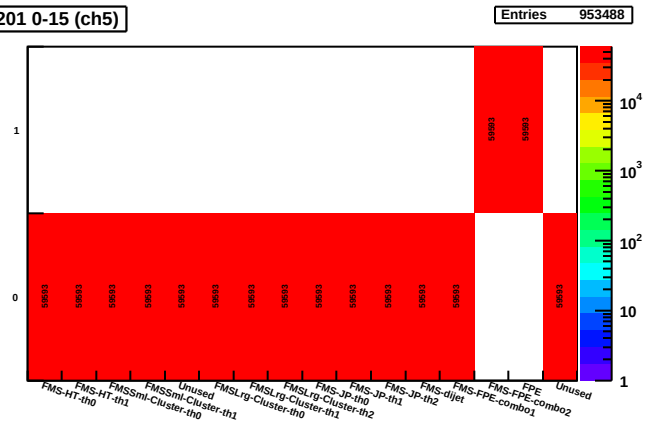
RAT board (ch4)

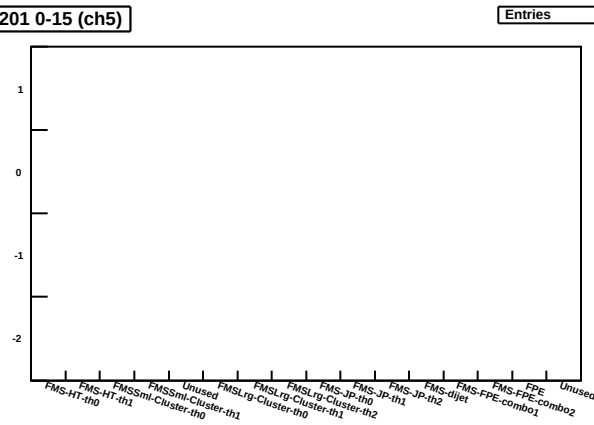




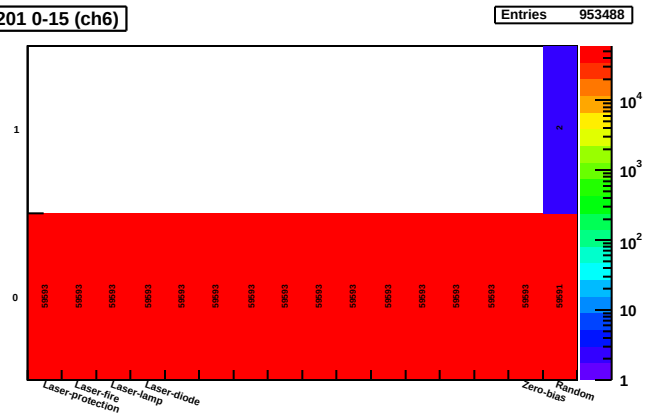
FP201 0-15 (ch5)

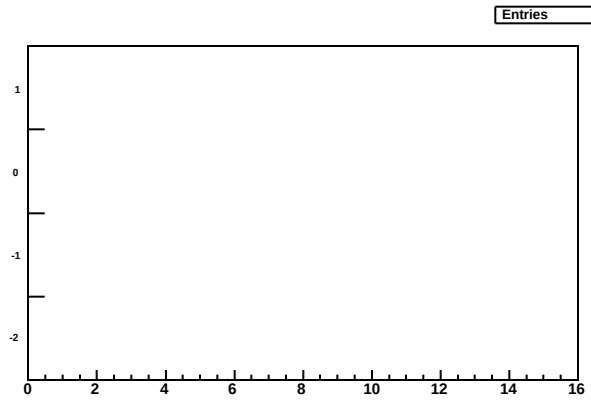
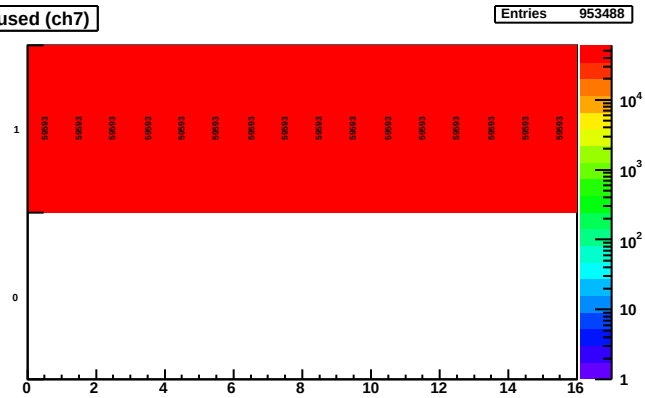
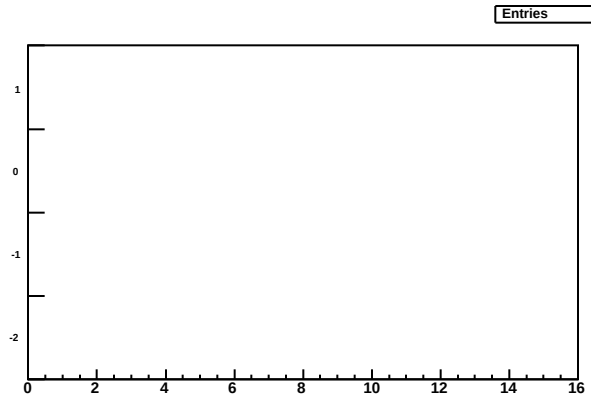


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)