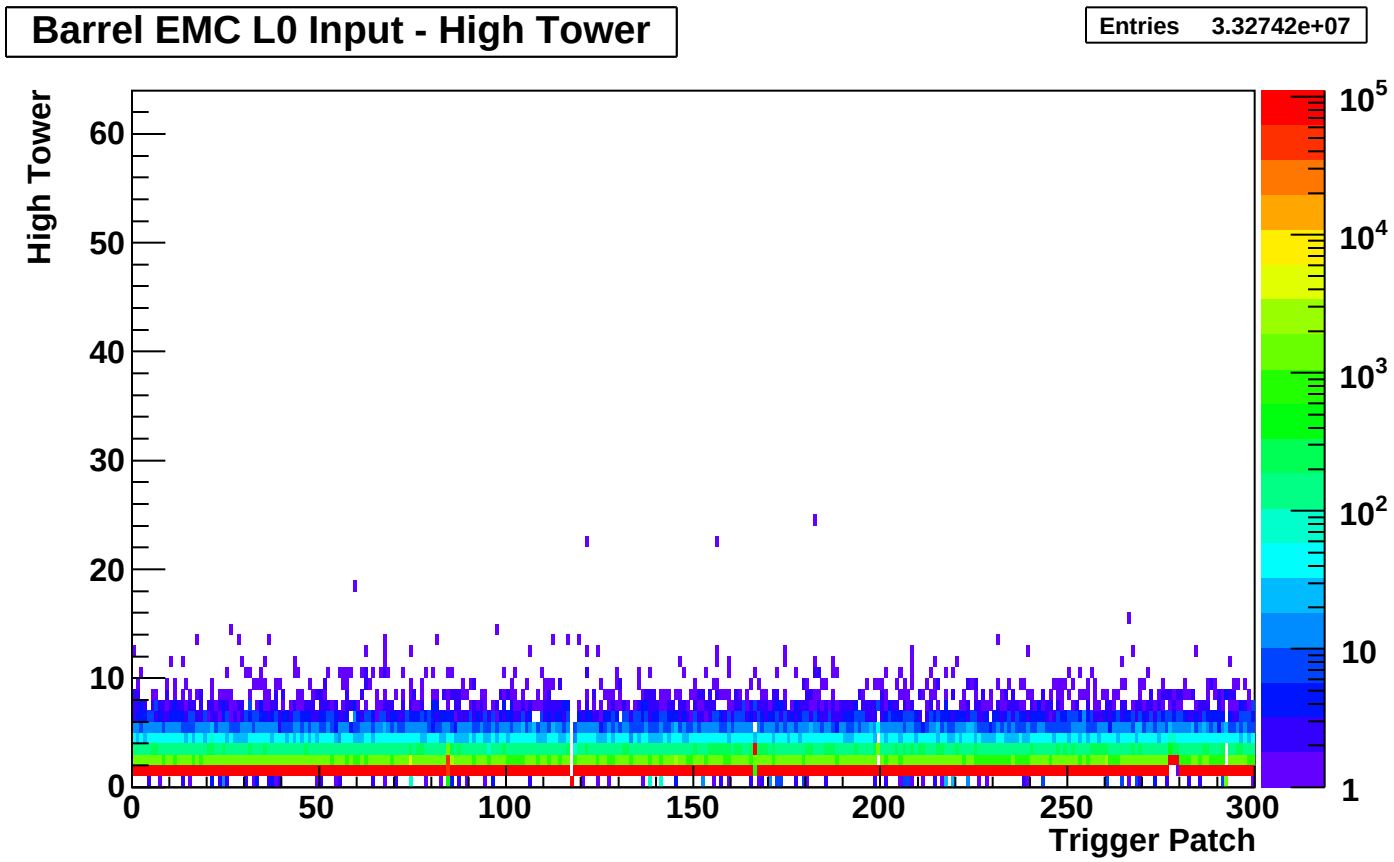
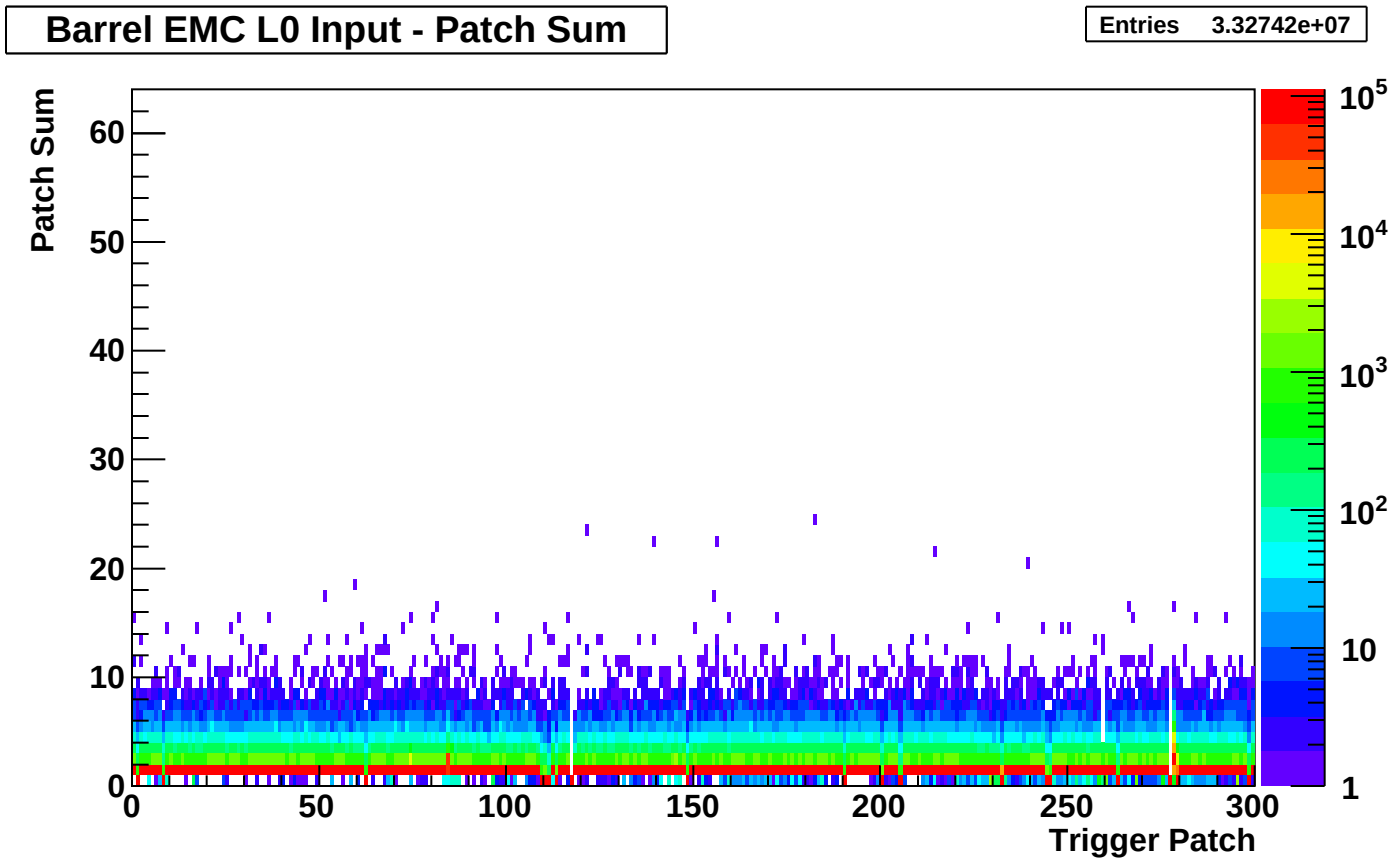
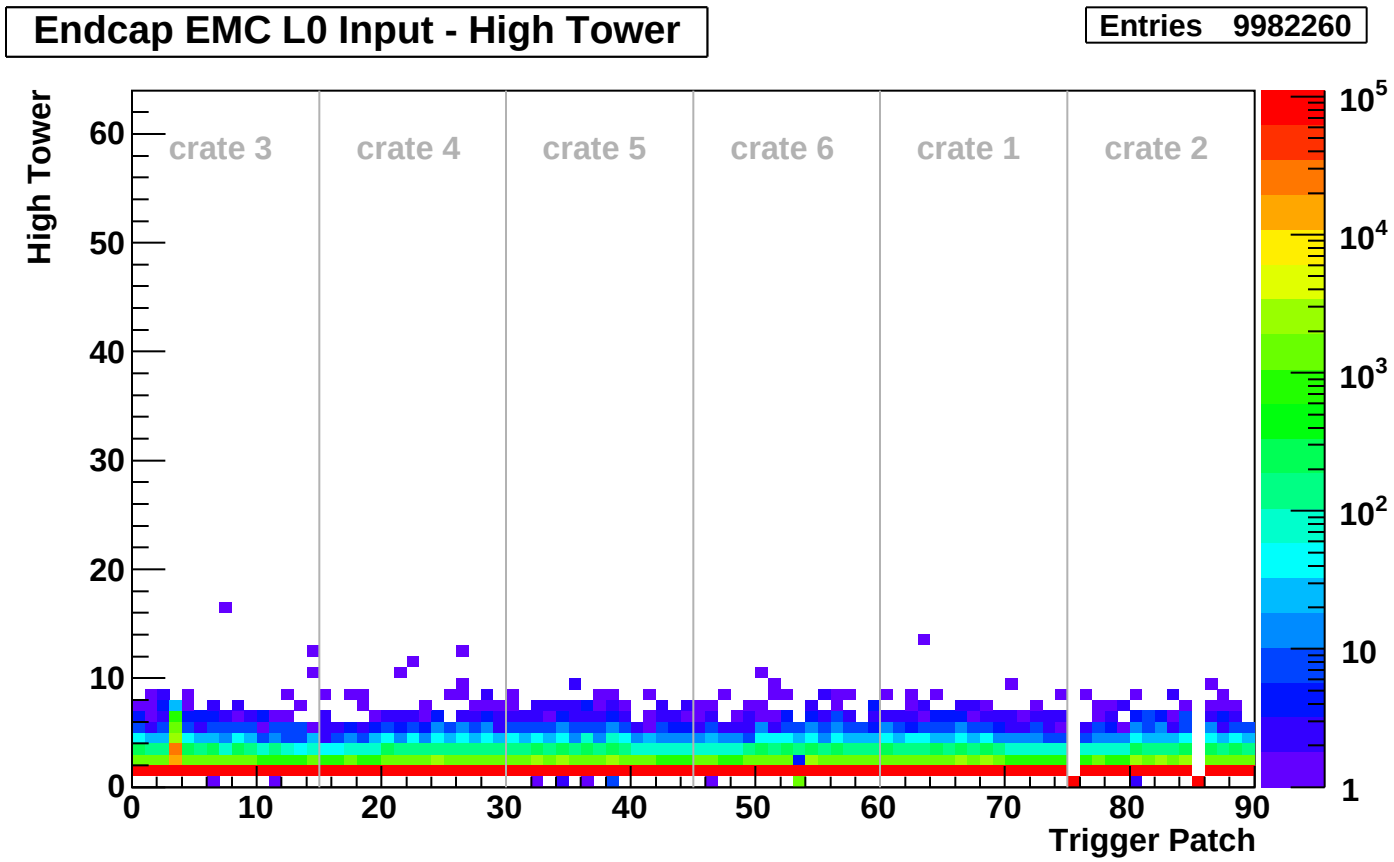
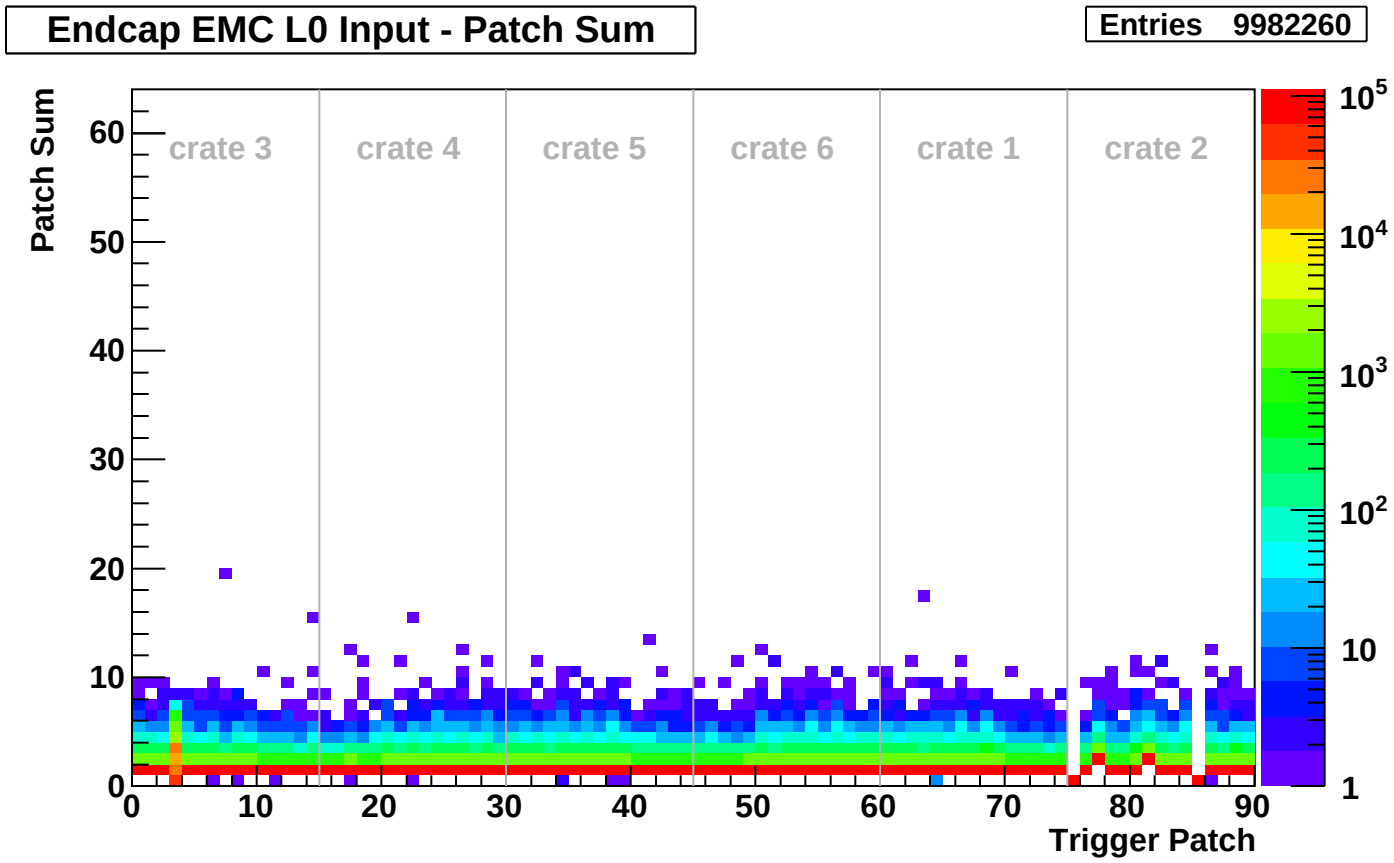
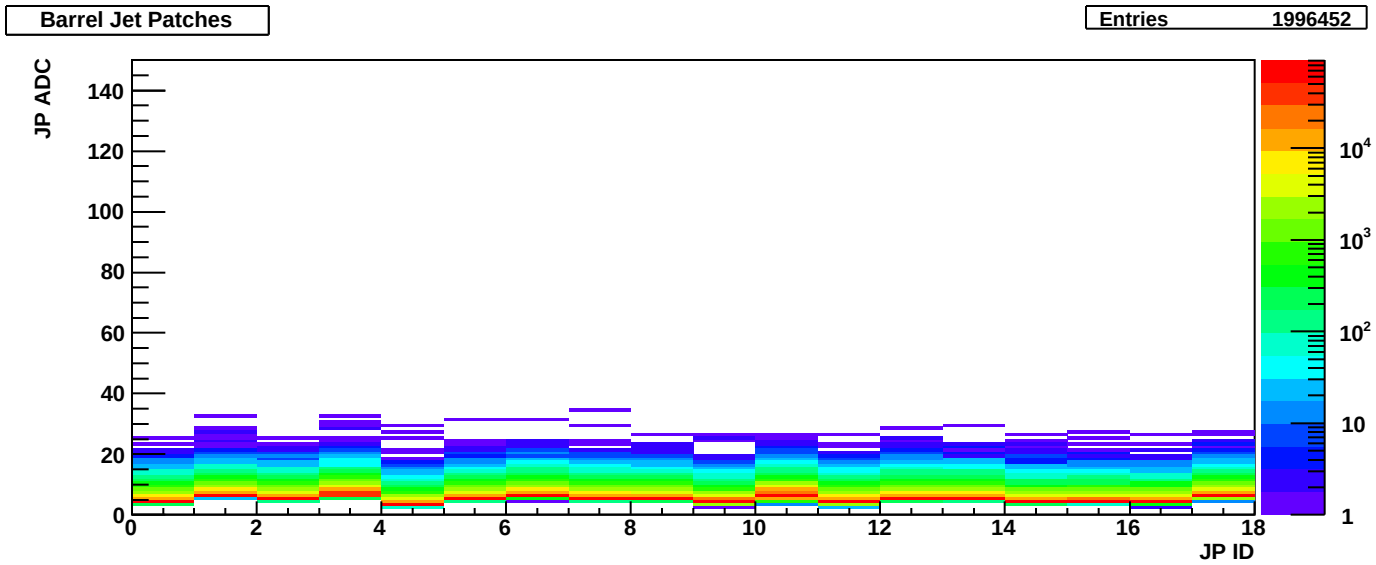
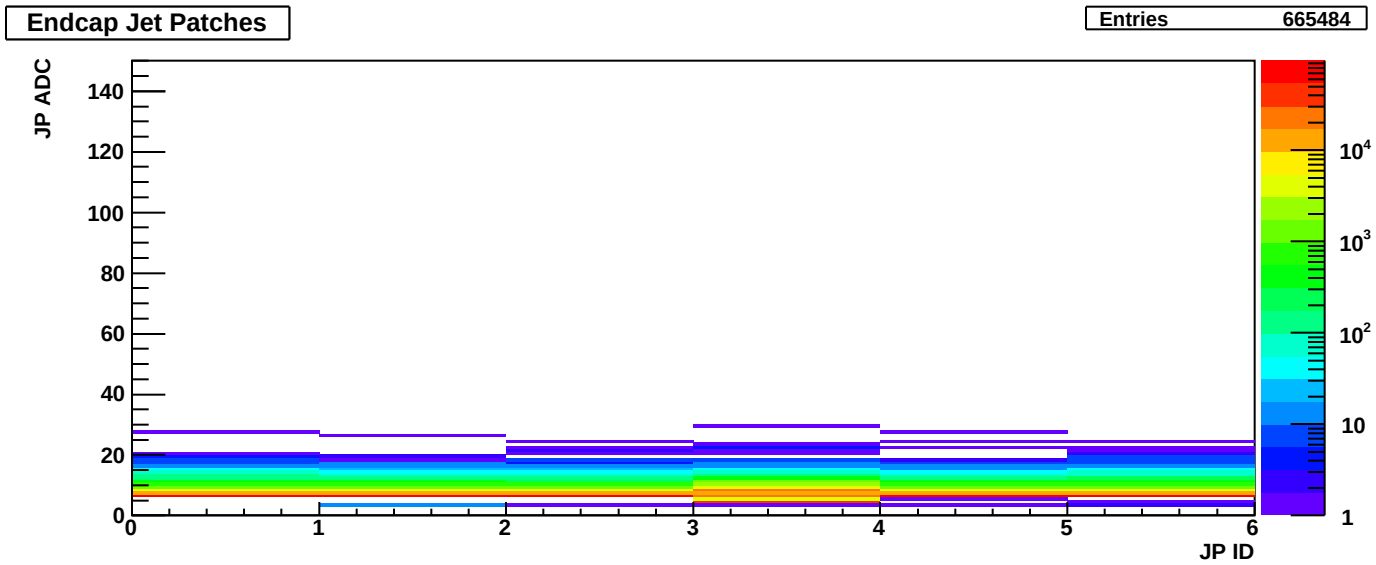

Barrel EMC L0 Input - High Tower
Entries 3.32742e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

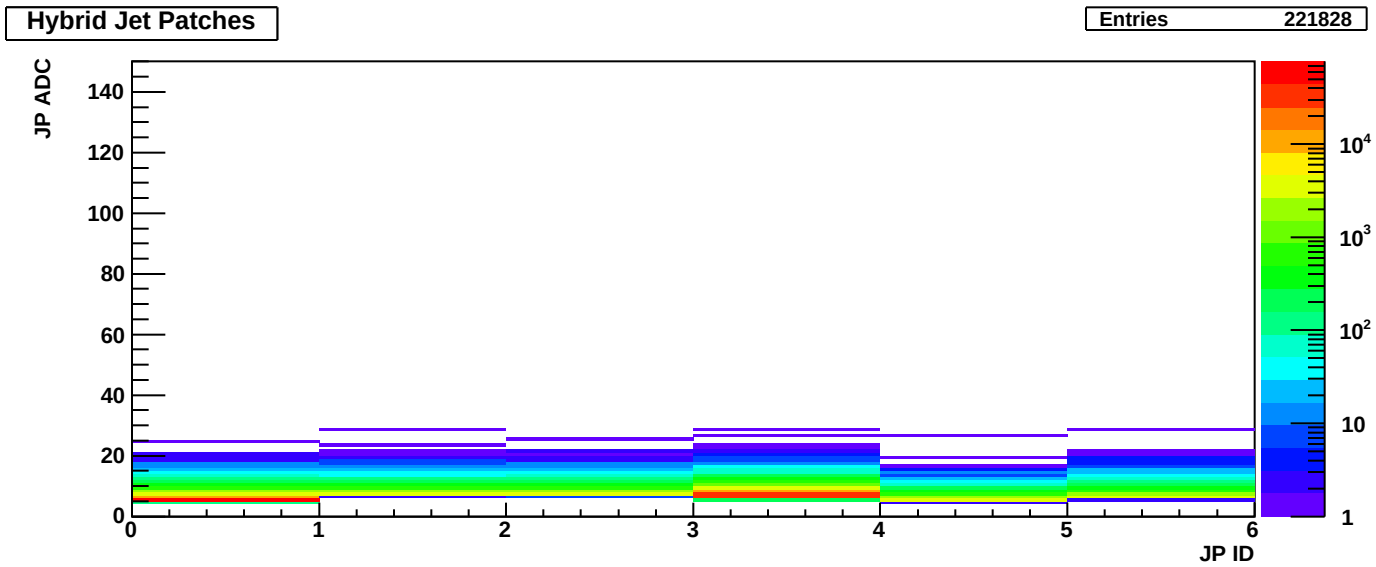

Barrel EMC L0 Input - Patch Sum
Entries 3.32742e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

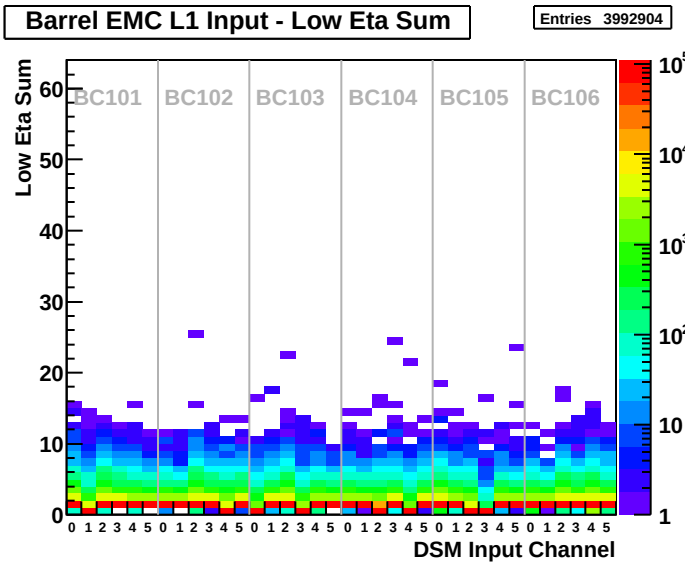

Endcap EMC L0 Input - High Tower
Entries 9982260
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

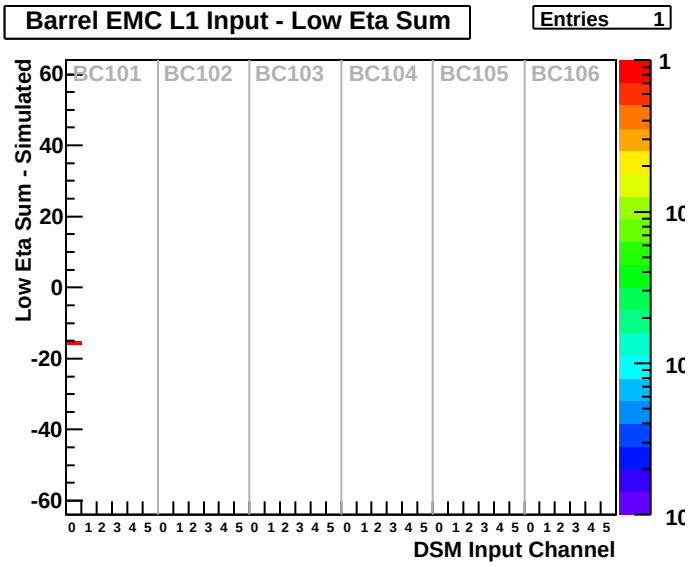

Endcap EMC L0 Input - Patch Sum
Entries 9982260
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

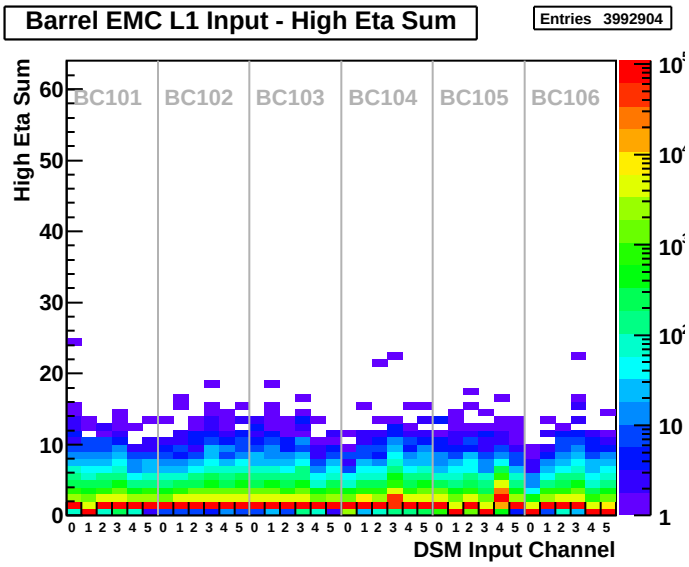

Barrel Jet Patches
Entries 1996452
JP ADC
JP ID

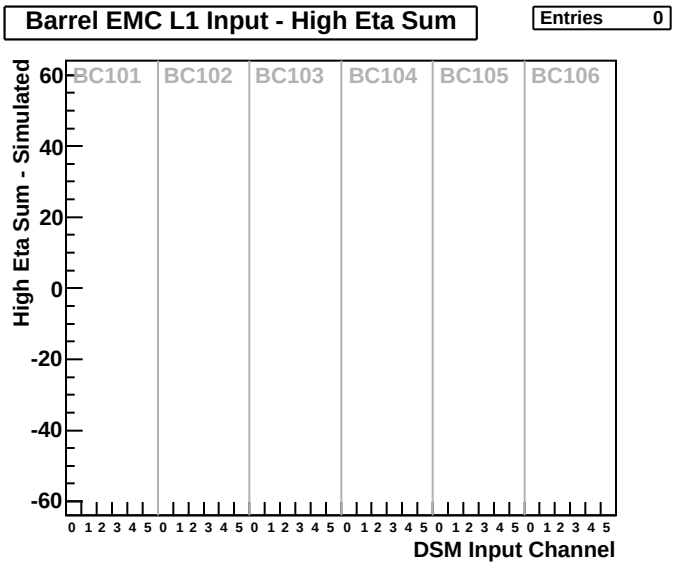

Endcap Jet Patches
Entries 665484
JP ADC
JP ID

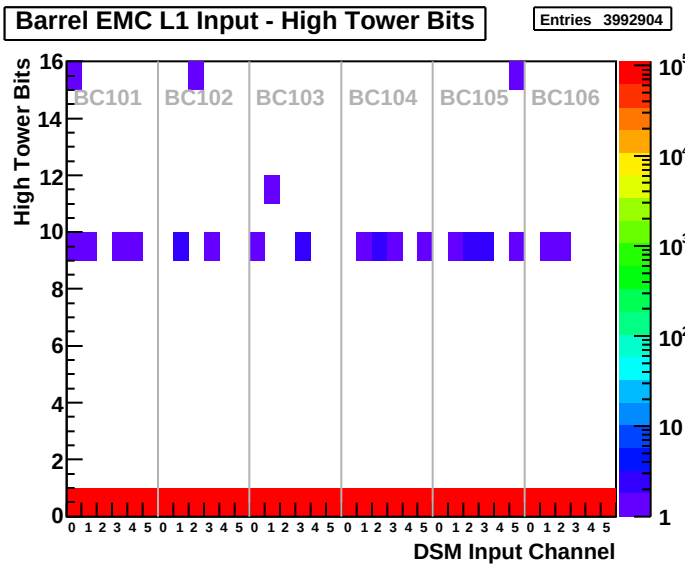

Hybrid Jet Patches
Entries 221828
JP ADC
JP ID

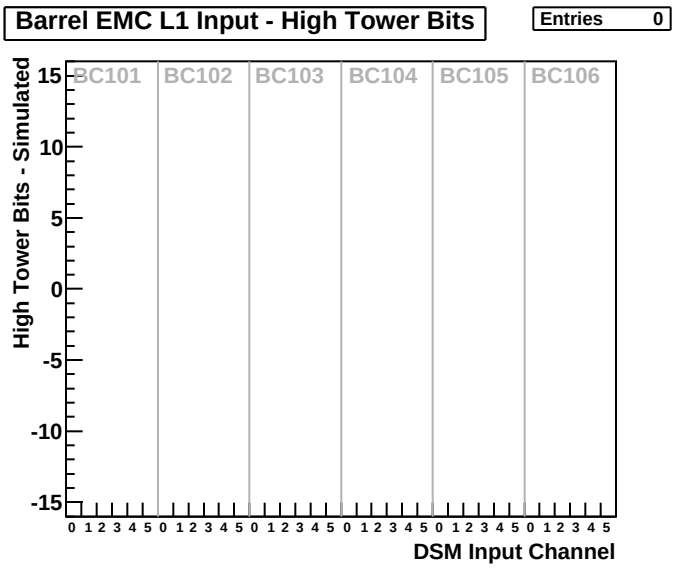

Barrel EMC L1 Input - Low Eta Sum
Entries 3992904
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

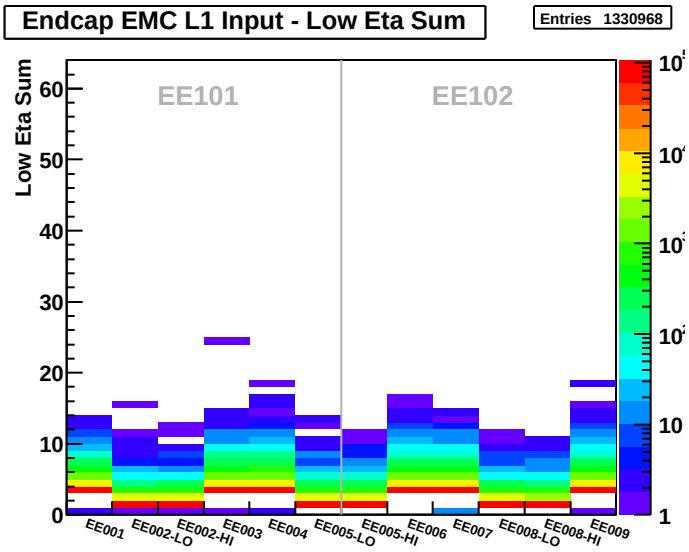

Barrel EMC L1 Input - Low Eta Sum
Entries 1
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

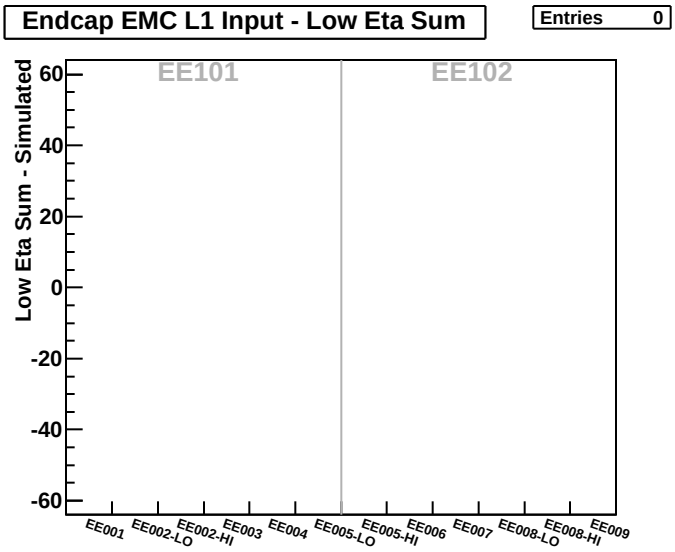

Barrel EMC L1 Input - High Eta Sum
Entries 3992904
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

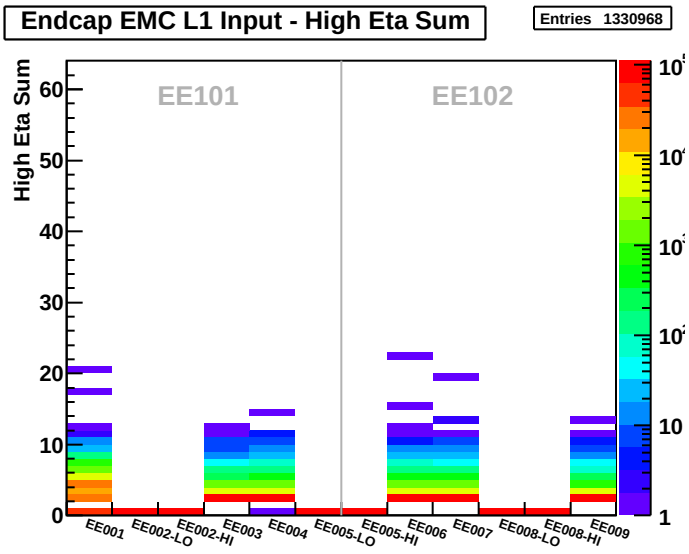

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

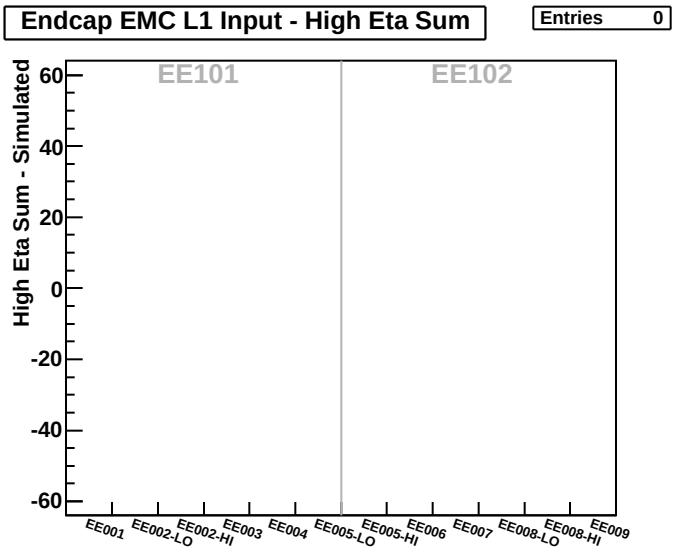

Barrel EMC L1 Input - High Tower Bits
Entries 3992904
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

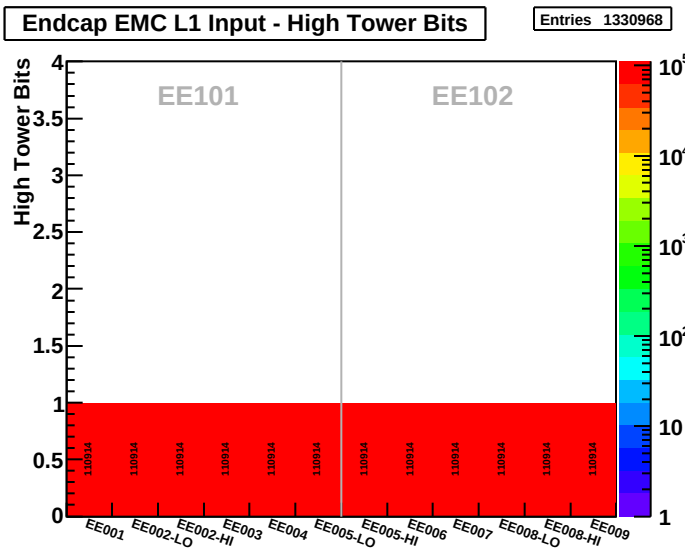

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

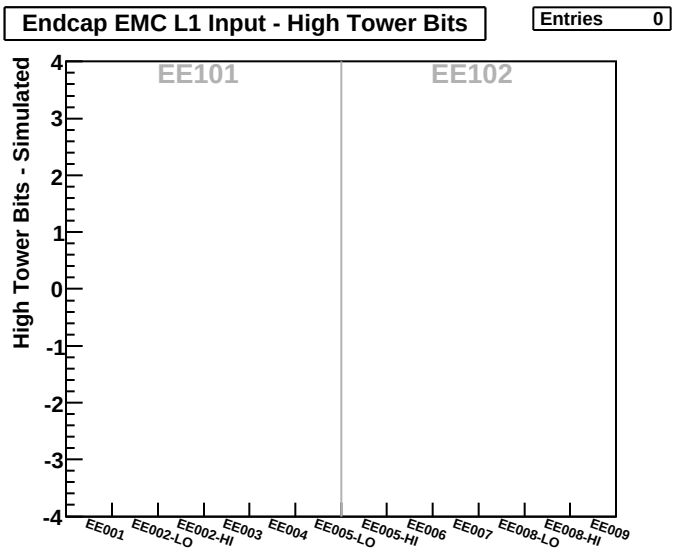

Endcap EMC L1 Input - Low Eta Sum
Entries 1330968
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

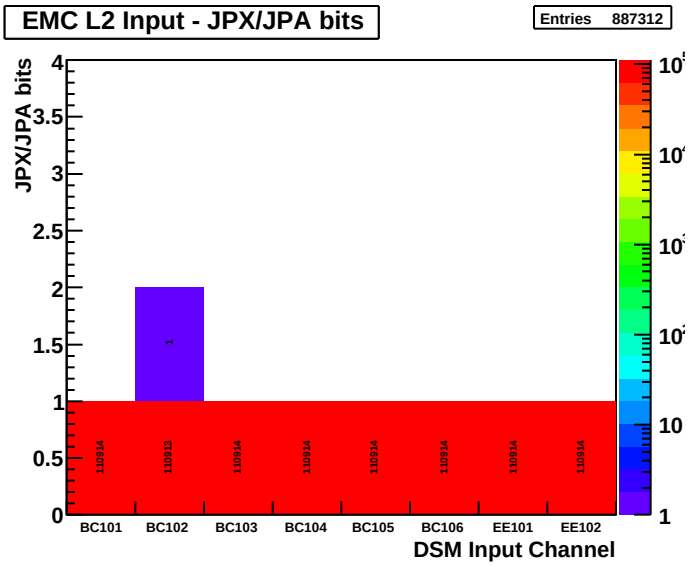

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

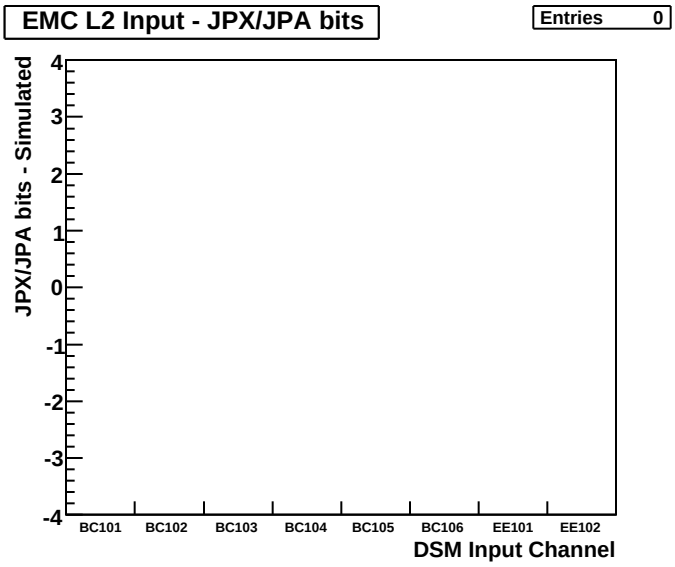

Endcap EMC L1 Input - High Eta Sum
Entries 1330968
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

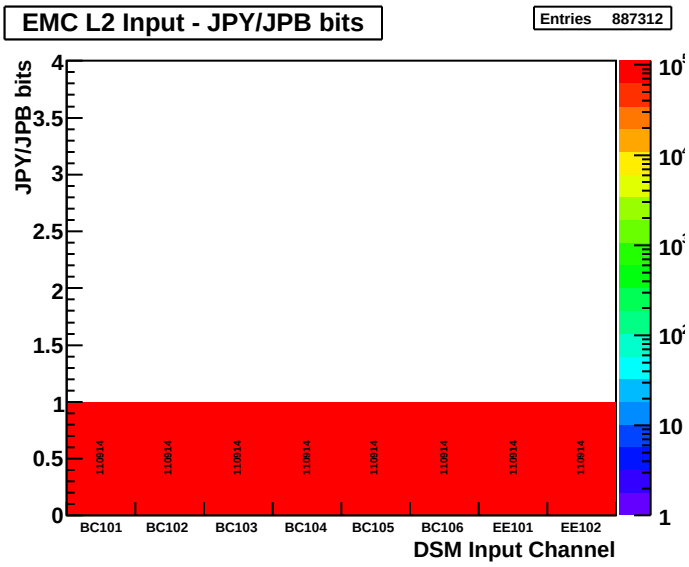

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

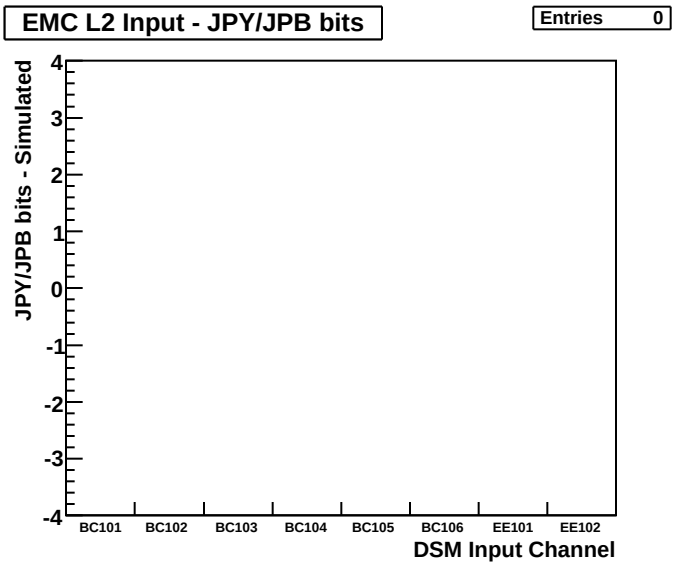

Endcap EMC L1 Input - High Tower Bits
Entries 1330968
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

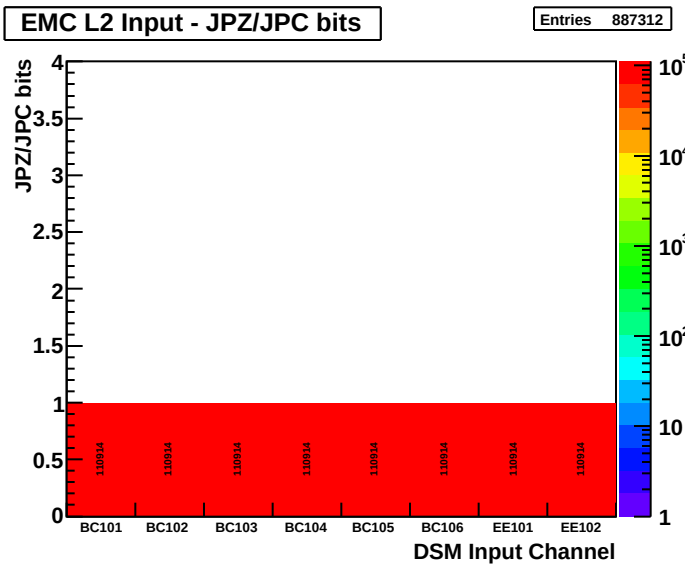

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

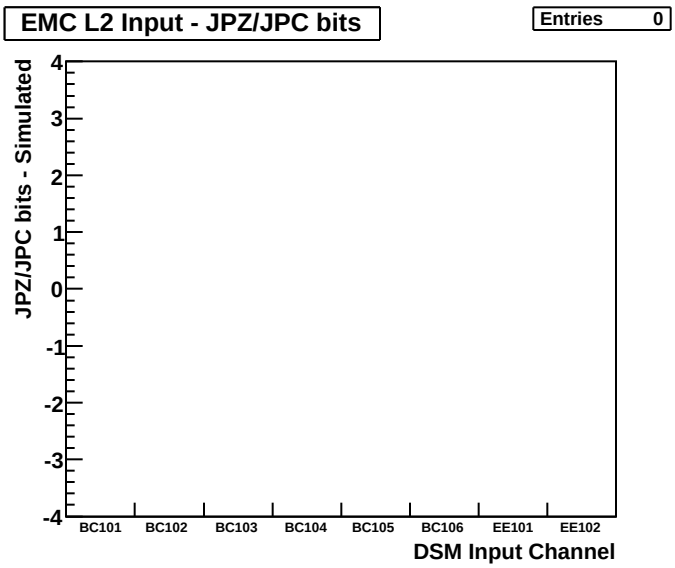

EMC L2 Input - JPX/JPA bits
Entries 887312
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

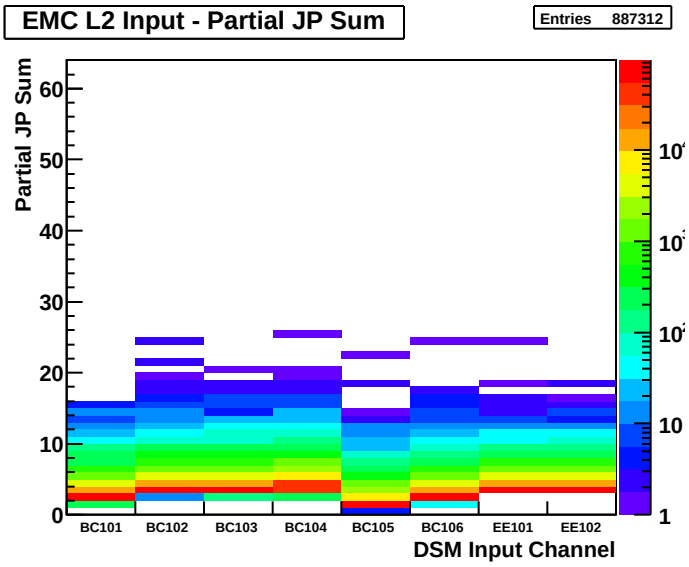

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

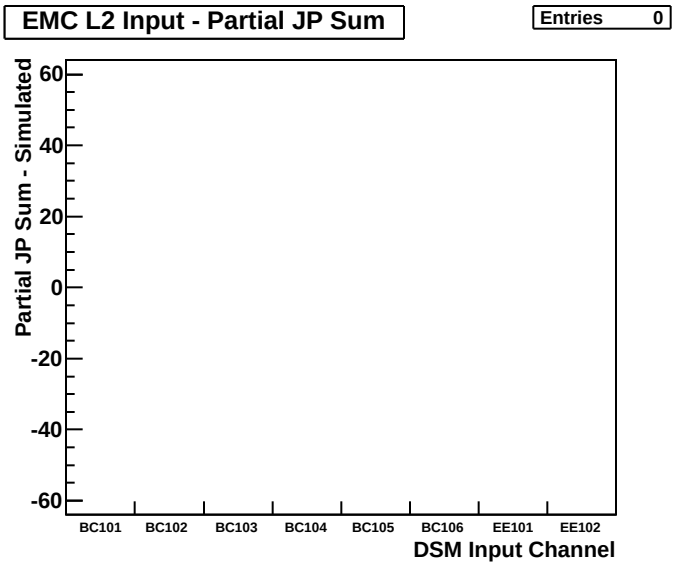

EMC L2 Input - JPY/JPB bits
Entries 887312
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

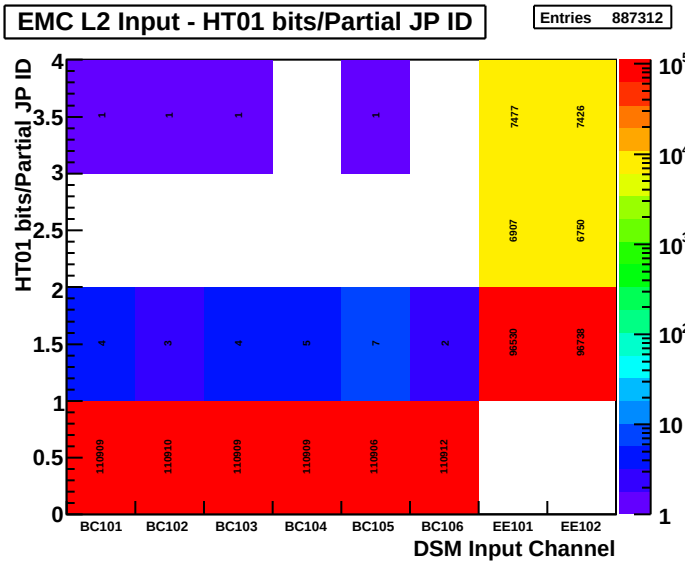

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

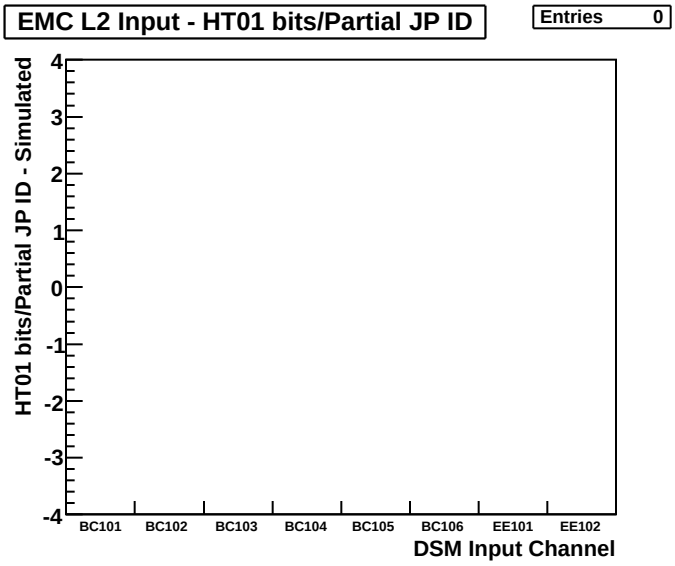

EMC L2 Input - JPZ/JPC bits
Entries 887312
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

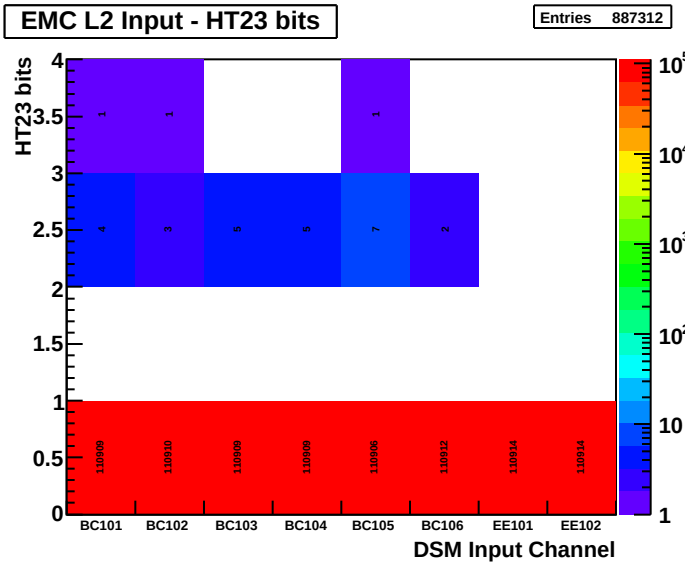

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

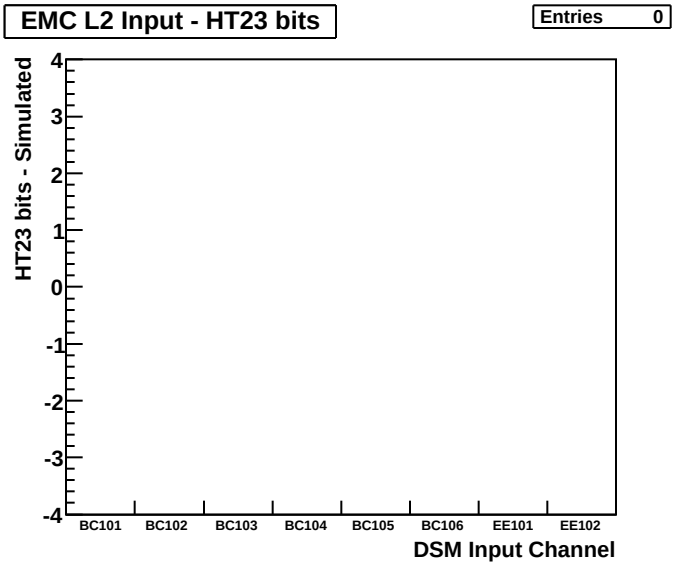

EMC L2 Input - Partial JP Sum
Entries 887312
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

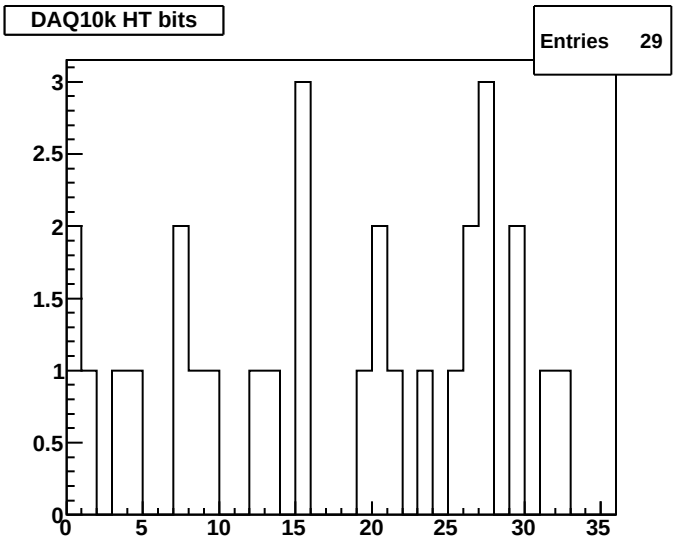

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

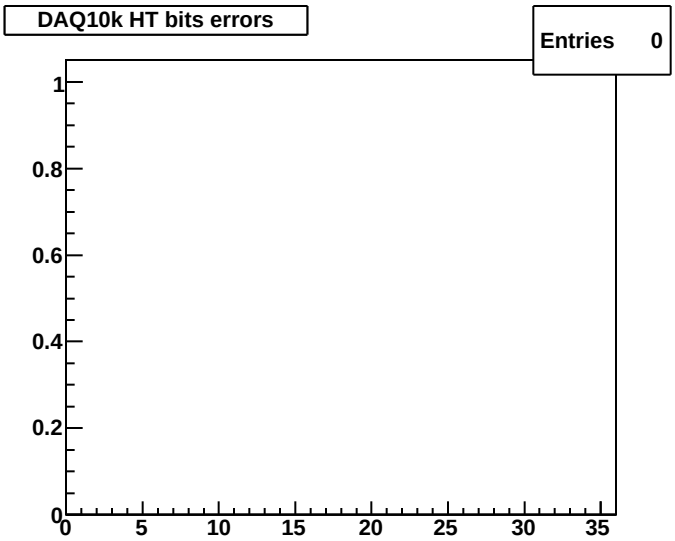

EMC L2 Input - HT01 bits/Partial JP ID
Entries 887312
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

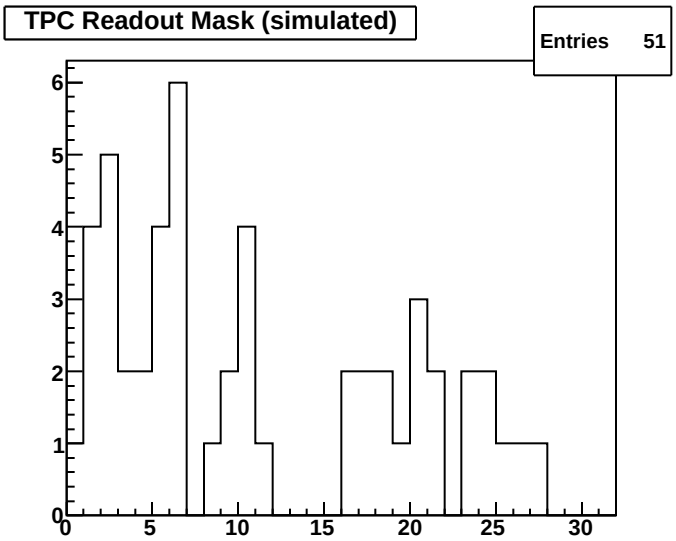

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

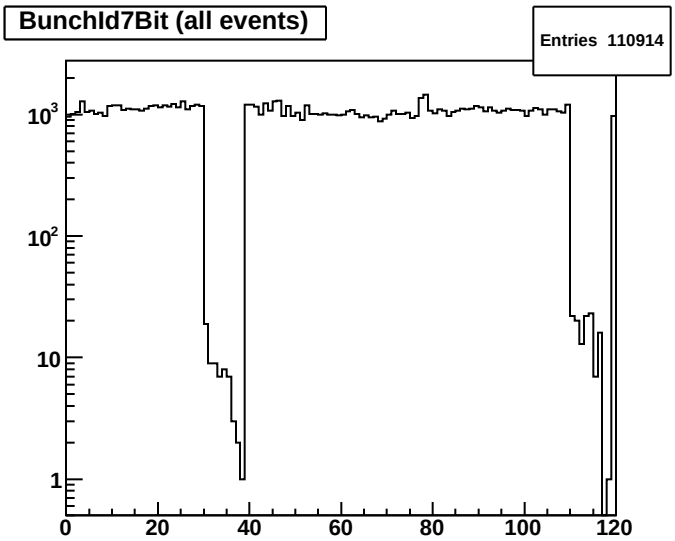

EMC L2 Input - HT23 bits
Entries 887312
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

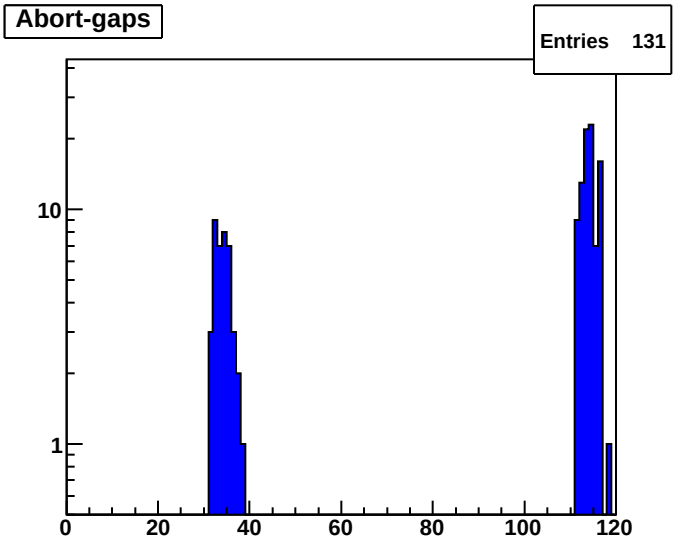

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

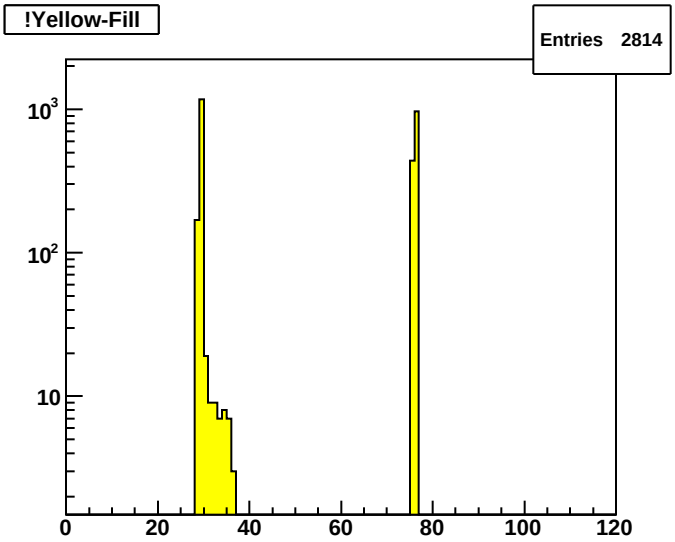

DAQ10k HT bits
Entries 29

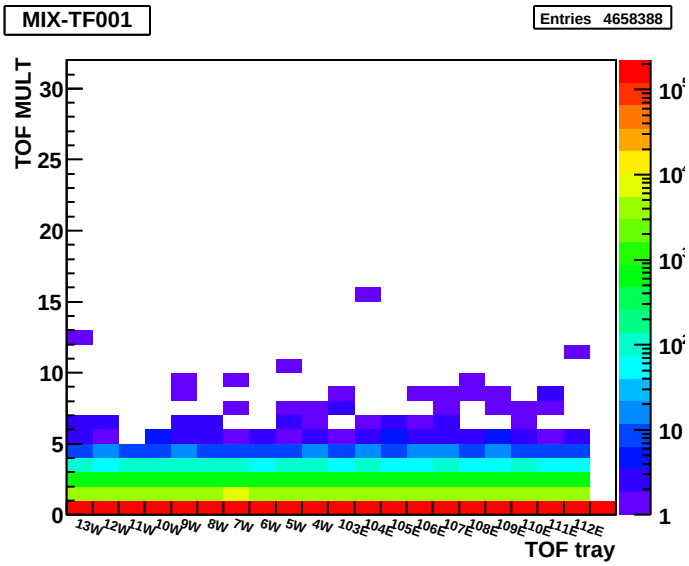

DAQ10k HT bits errors
Entries 0

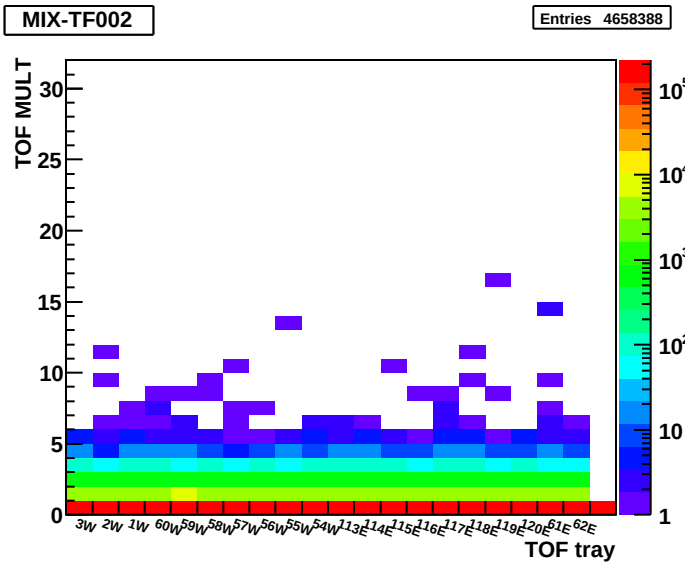

TPC Readout Mask (simulated)
Entries 51

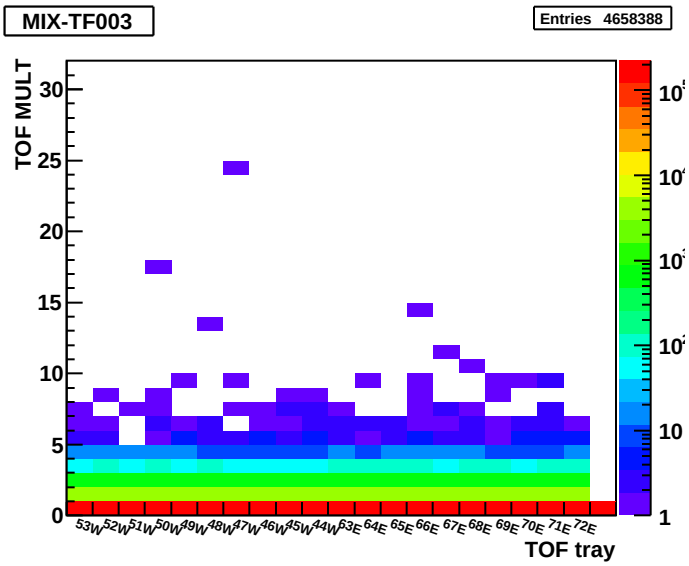

BunchId7Bit (all events)
Entries 110914

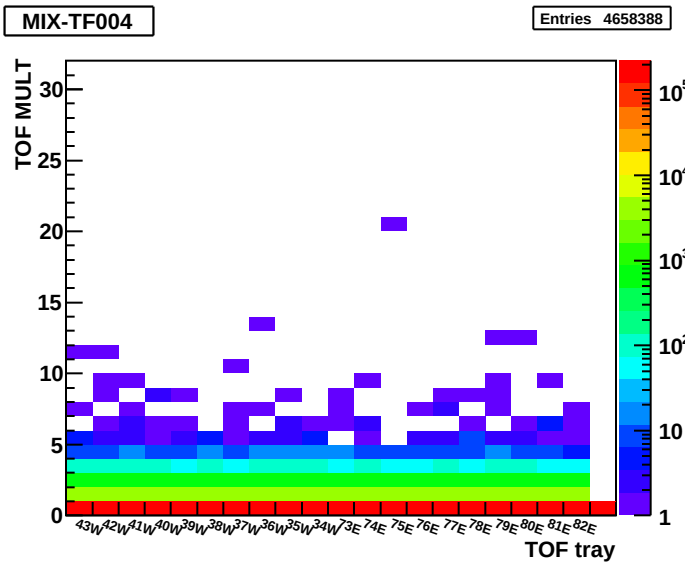

Abort-gaps
Entries 131

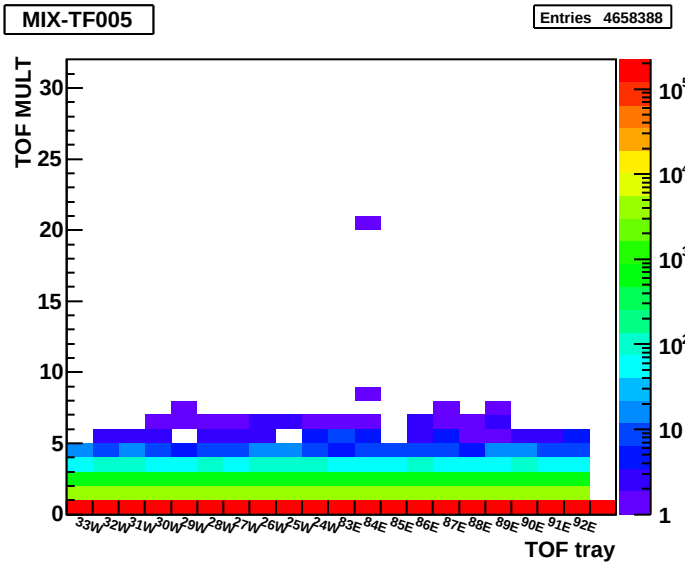

!Yellow-Fill
Entries 2814

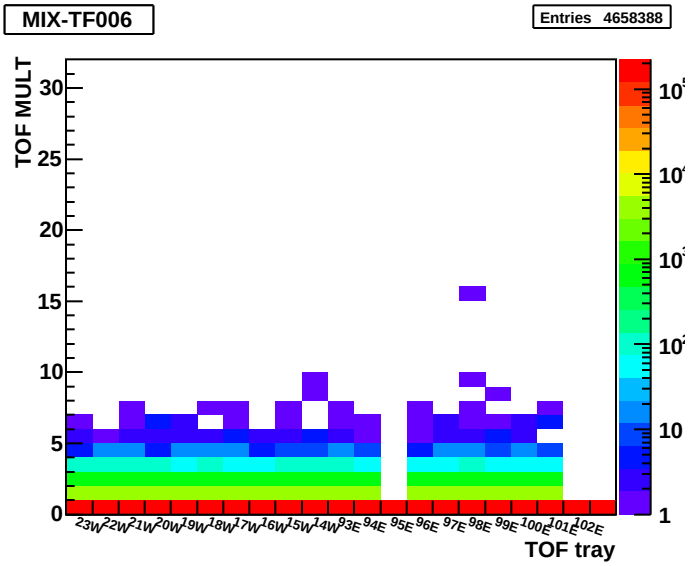

MIX-TF001
Entries 4658388
TOF MULT
TOF tray

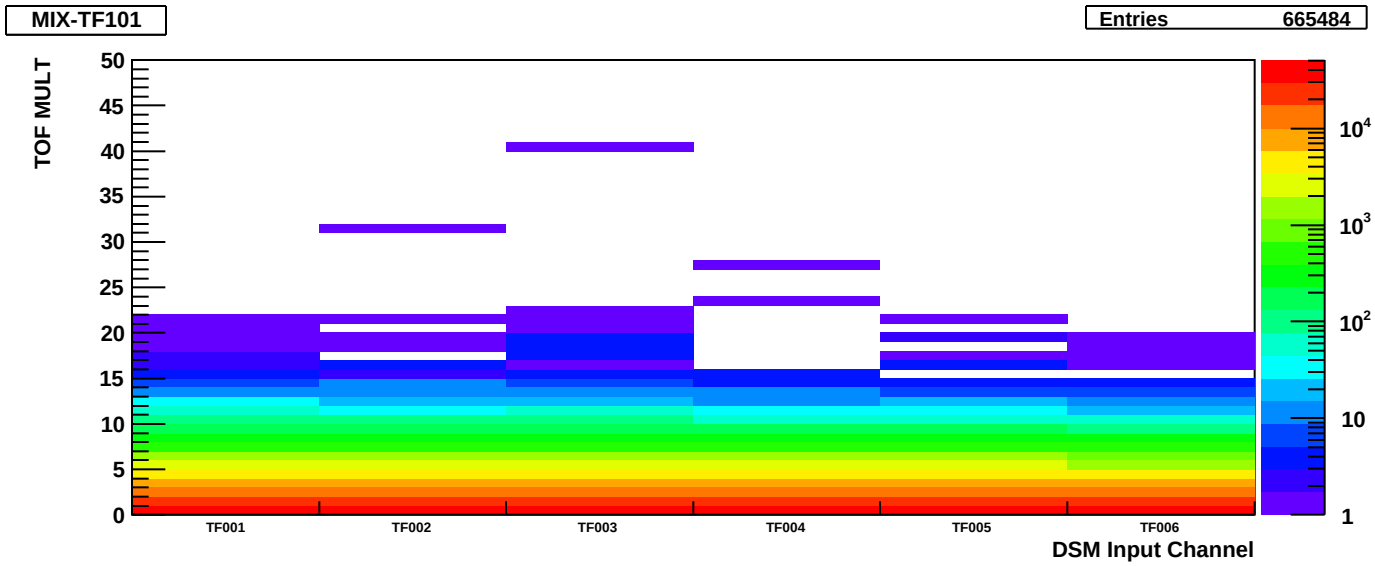

MIX-TF002
Entries 4658388
TOF MULT
TOF tray

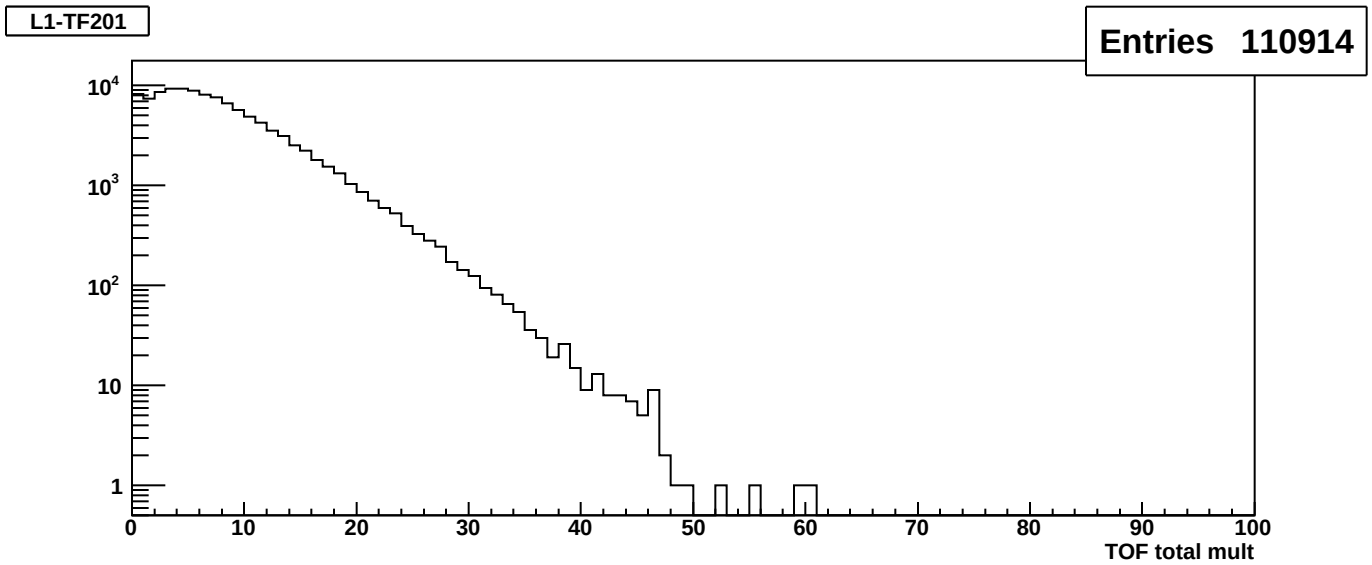

MIX-TF003
Entries 4658388
TOF MULT
TOF tray

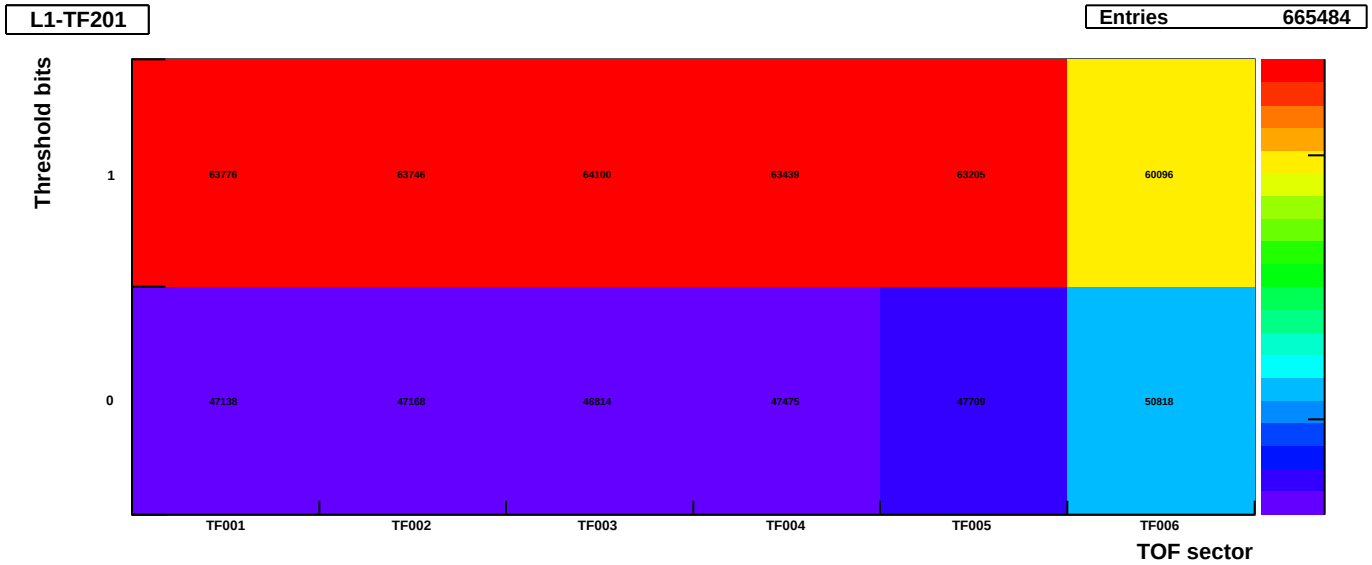

MIX-TF004
Entries 4658388
TOF MULT
TOF tray

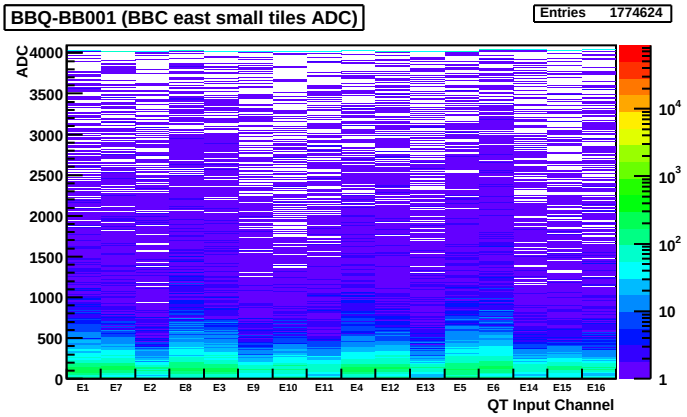

MIX-TF005
Entries 4658388
TOF MULT
TOF tray

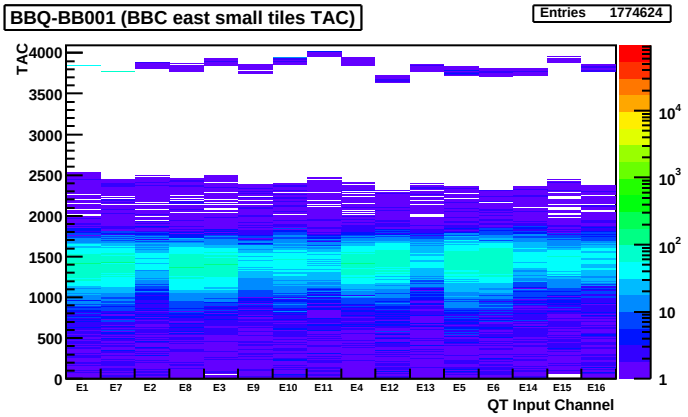

MIX-TF006
Entries 4658388
TOF MULT
TOF tray

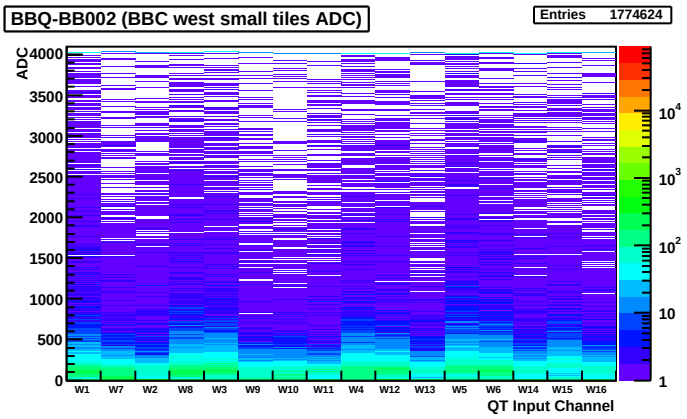

MIX-TF101
Entries 665484
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

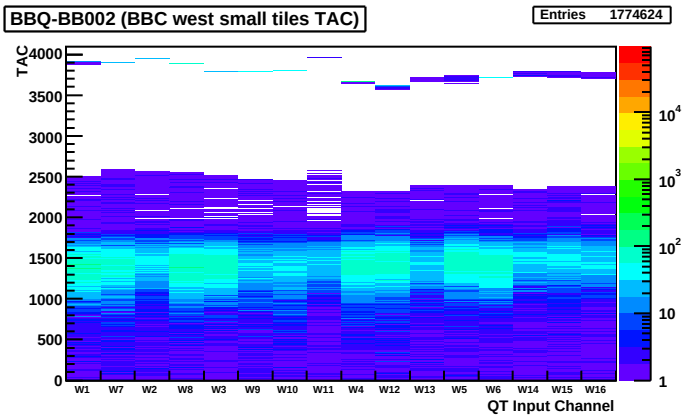

L1-TF201
Entries 110914
TOF total mult

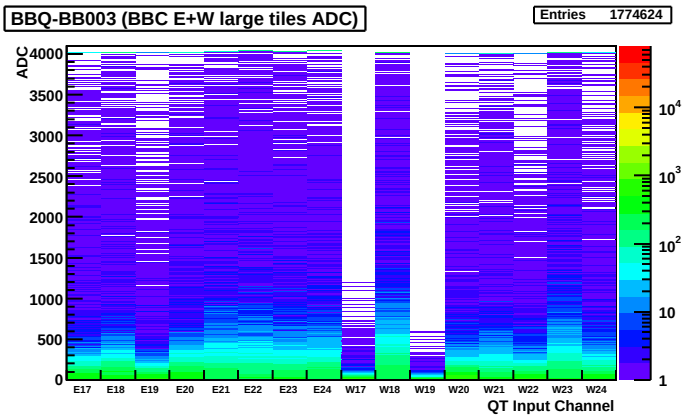

L1-TF201
Entries 665484
Threshold bits
63776
63746
64100
63439
63205
60096
47138
47168
46814
47475
47709
50818
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

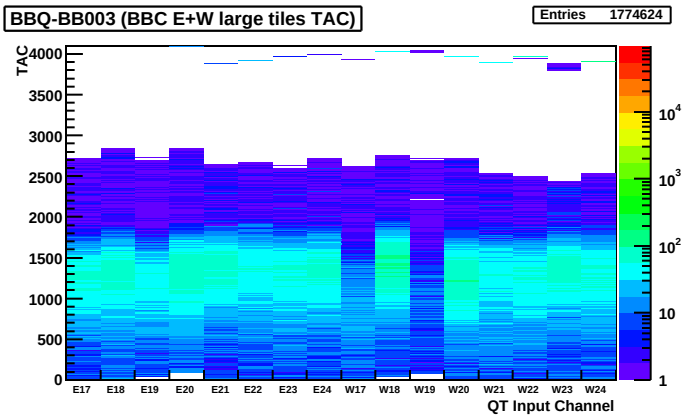

BBQ-BB001 (BBC east small tiles ADC)
Entries 1774624
ADC
QT Input Channel

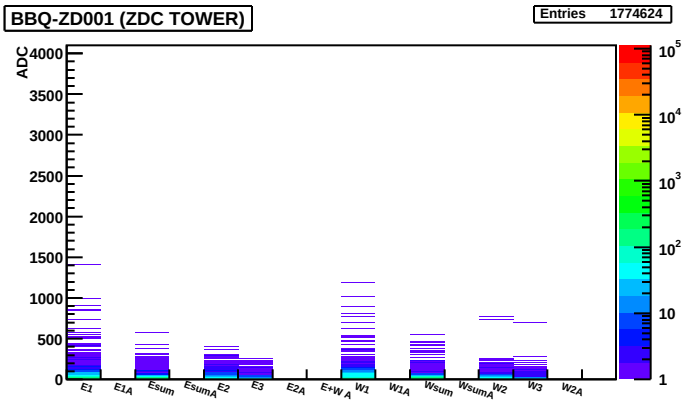

BBQ-BB001 (BBC east small tiles TAC)
Entries 1774624
TAC
QT Input Channel

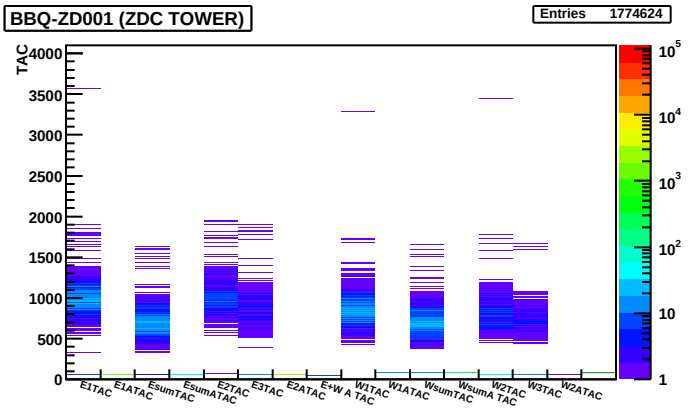

BBQ-BB002 (BBC west small tiles ADC)
Entries 1774624
ADC
QT Input Channel

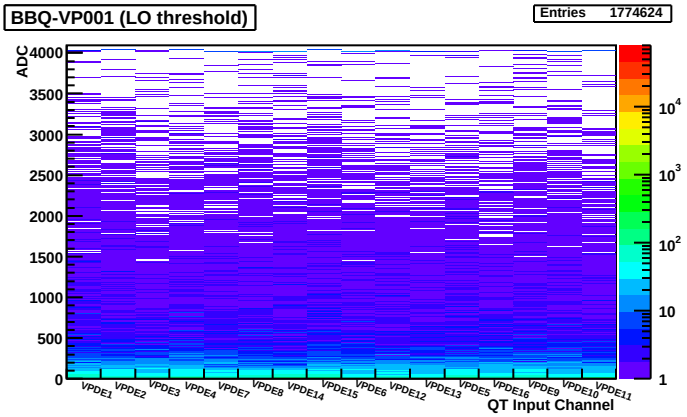

BBQ-BB002 (BBC west small tiles TAC)
Entries 1774624
TAC
QT Input Channel

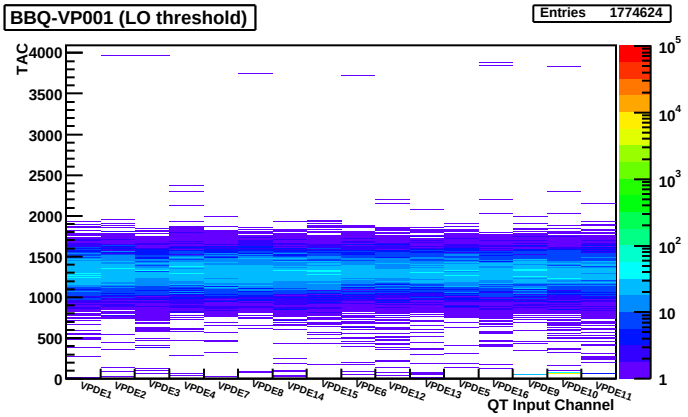

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1774624
ADC
QT Input Channel

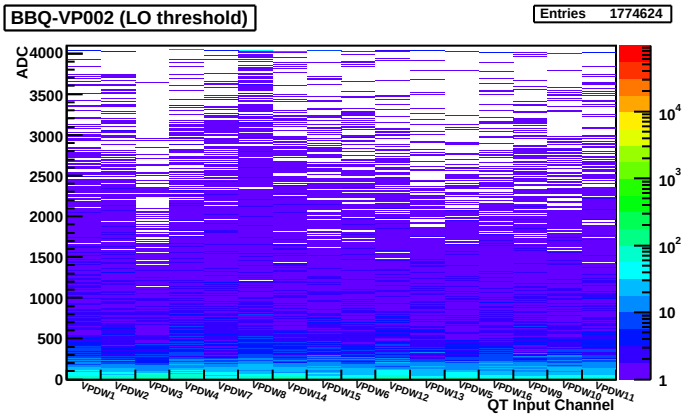

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1774624
TAC
QT Input Channel

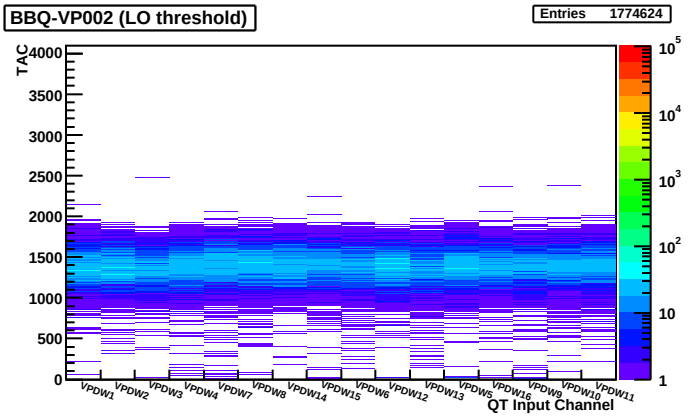

BBQ-ZD001 (ZDC TOWER)
Entries 1774624
ADC

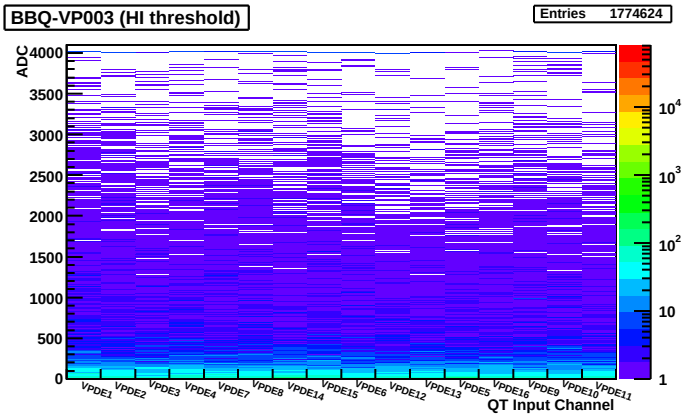

BBQ-ZD001 (ZDC TOWER)
Entries 1774624
TAC

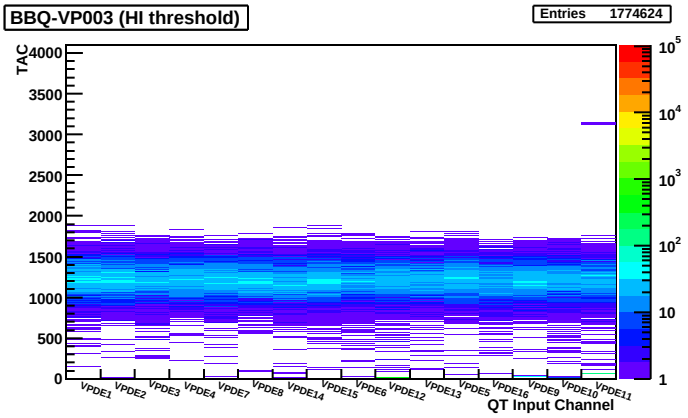

BBQ-VP001 (LO threshold)
Entries 1774624
ADC
QT Input Channel

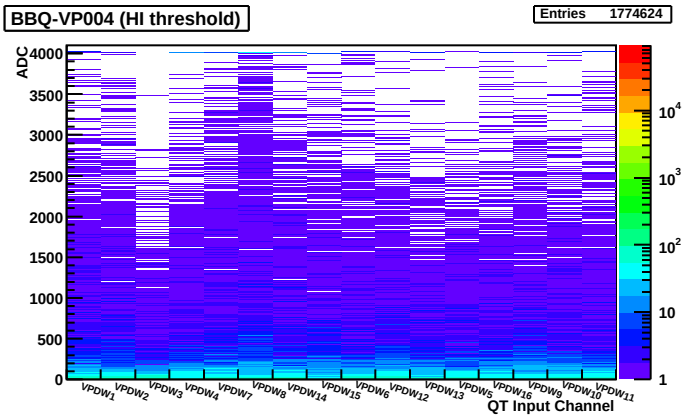

BBQ-VP001 (LO threshold)
Entries 1774624
TAC
QT Input Channel

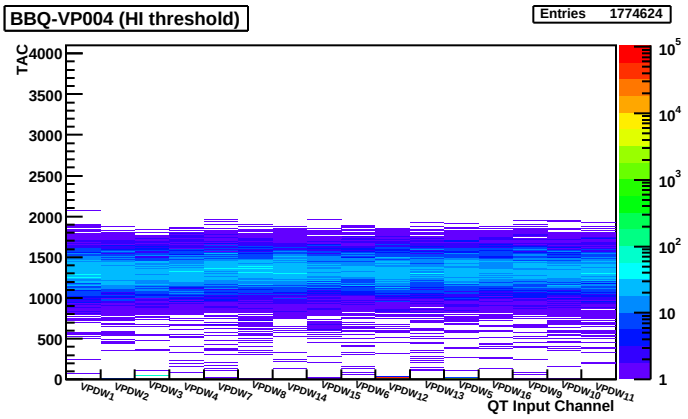

BBQ-VP002 (LO threshold)
Entries 1774624
ADC
QT Input Channel

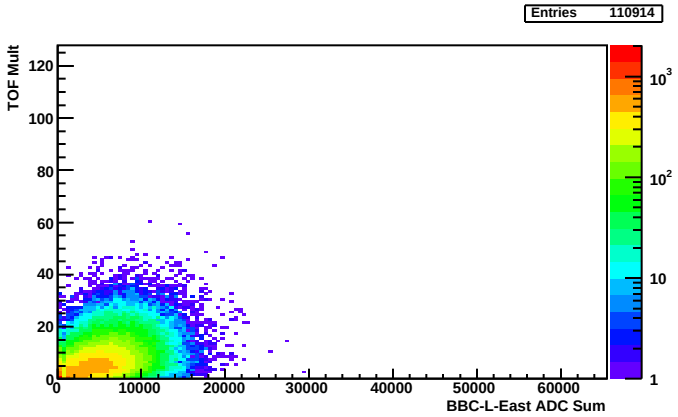

BBQ-VP002 (LO threshold)
Entries 1774624
TAC
QT Input Channel

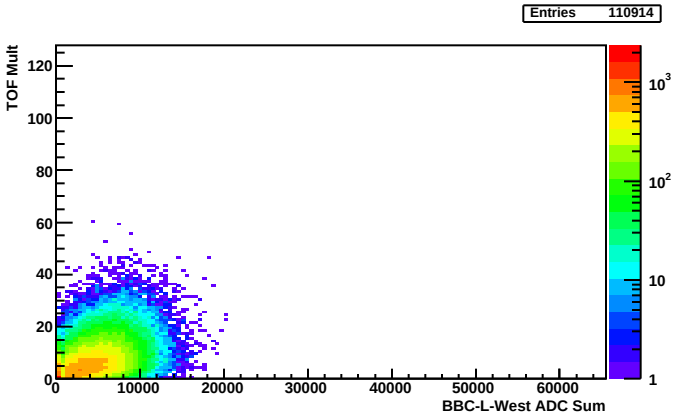

BBQ-VP003 (HI threshold)
Entries 1774624
ADC
QT Input Channel

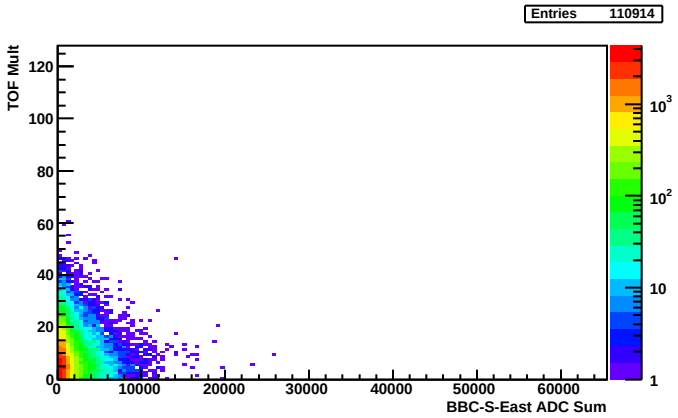

BBQ-VP003 (HI threshold)
Entries 1774624
TAC
QT Input Channel

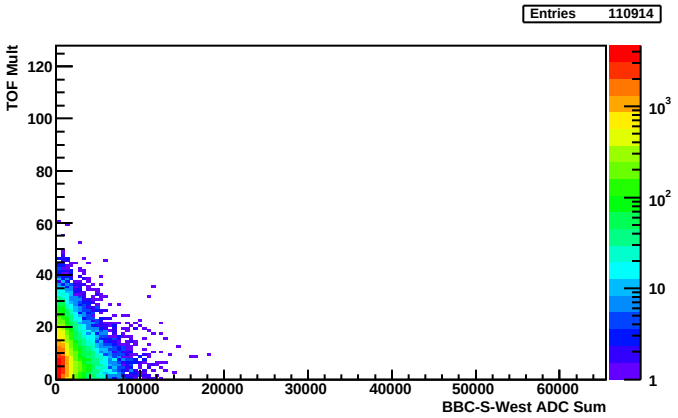

BBQ-VP004 (HI threshold)
Entries 1774624
ADC
QT Input Channel

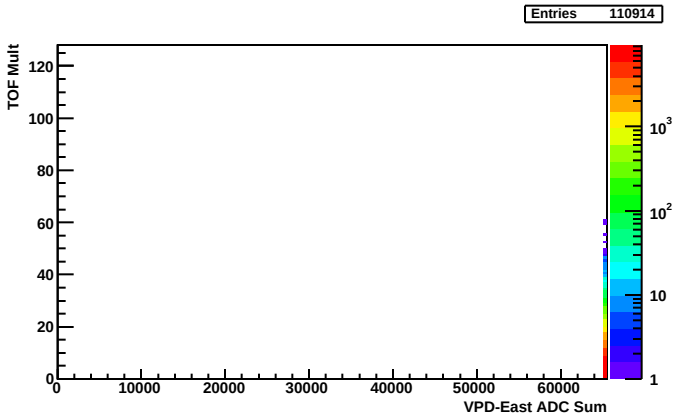

BBQ-VP004 (HI threshold)
Entries 1774624
TAC
QT Input Channel

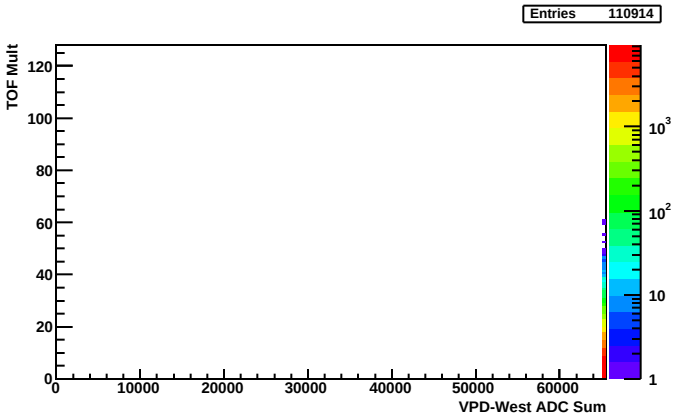

Entries 110914
TOF Mult
BBC-L-East ADC Sum

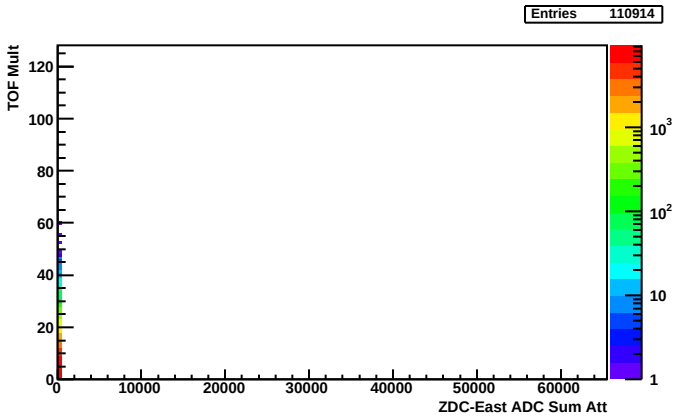

Entries 110914
TOF Mult
BBC-L-West ADC Sum

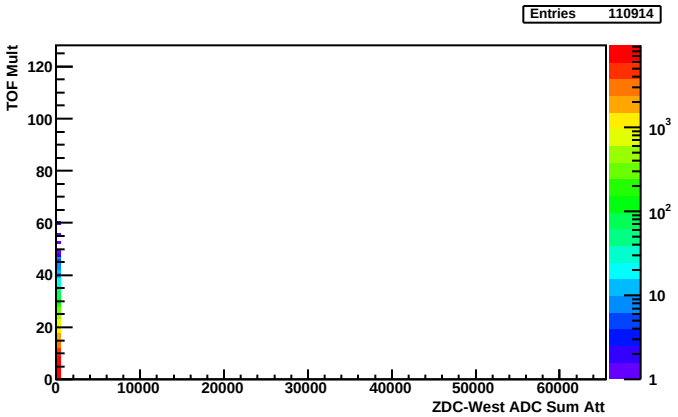

Entries 110914
TOF Mult
BBC-S-East ADC Sum

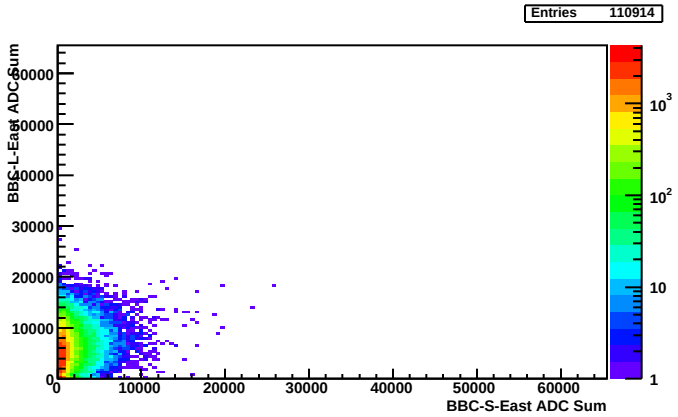

Entries 110914
TOF Mult
BBC-S-West ADC Sum

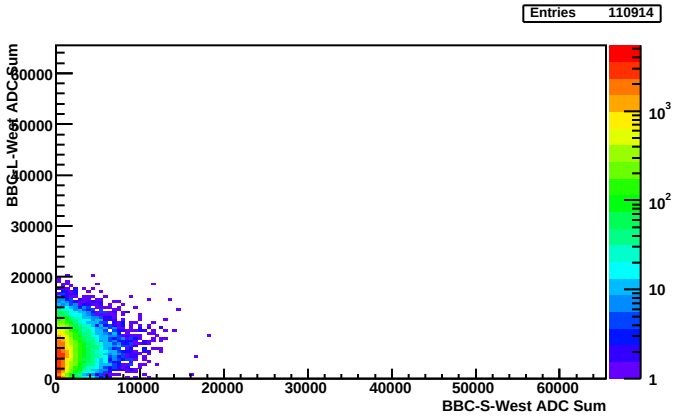

Entries 110914
TOF Mult
VPD-East ADC Sum

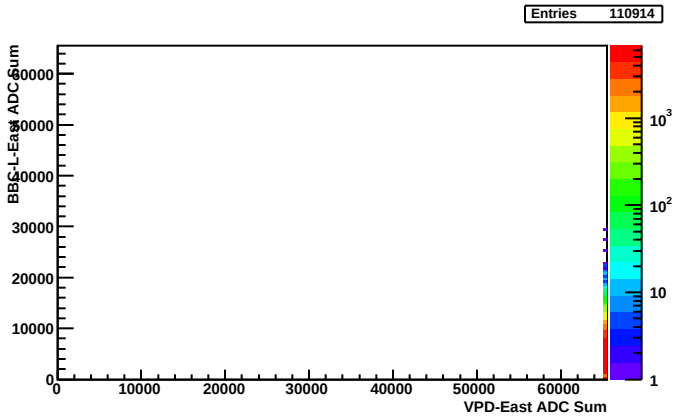

Entries 110914
TOF Mult
VPD-West ADC Sum

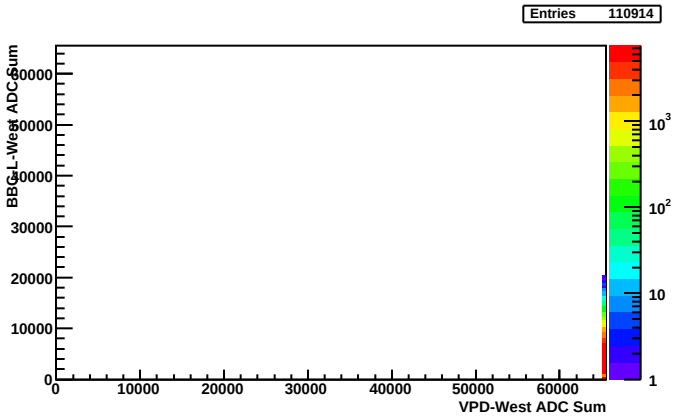

Entries 110914
TOF Mult
ZDC-East ADC Sum Att

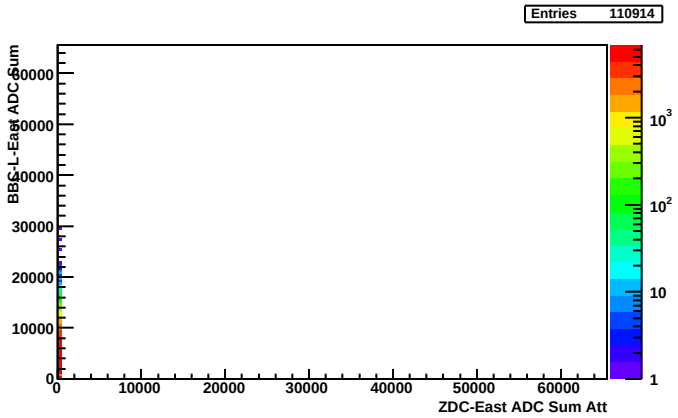

Entries 110914
TOF Mult
ZDC-West ADC Sum Att

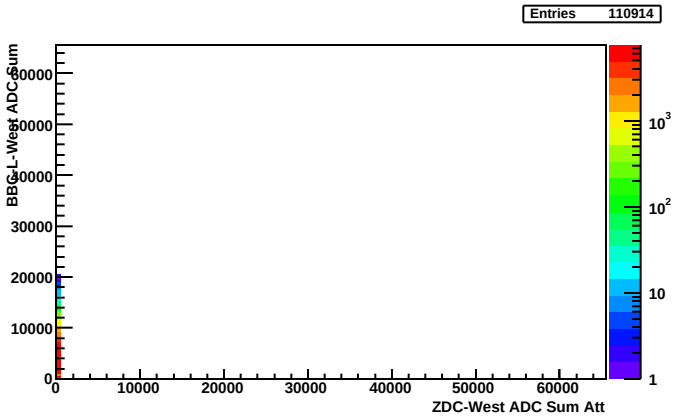

Entries 110914
BBC-L-East ADC Sum
BBC-S-East ADC Sum

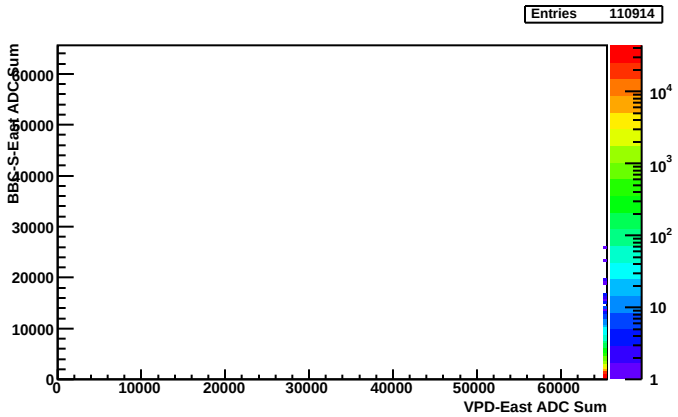

Entries 110914
BBC-L-West ADC Sum
BBC-S-West ADC Sum

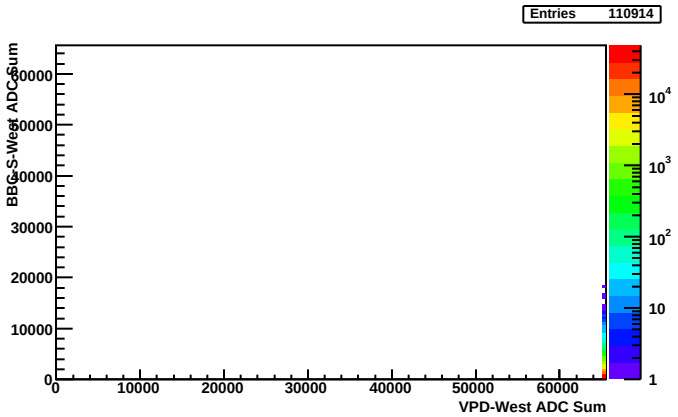

Entries 110914
BBC-L-East ADC Sum
VPD-East ADC Sum

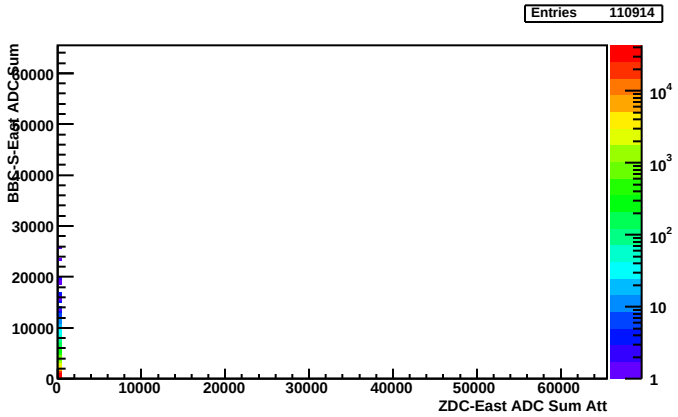

Entries 110914
BBC-L-West ADC Sum
VPD-West ADC Sum

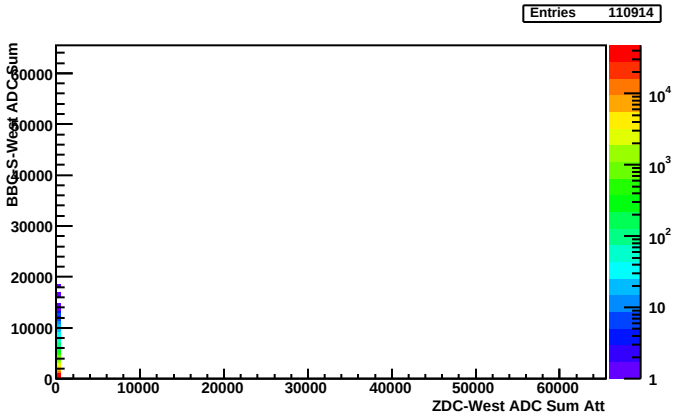

Entries 110914
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

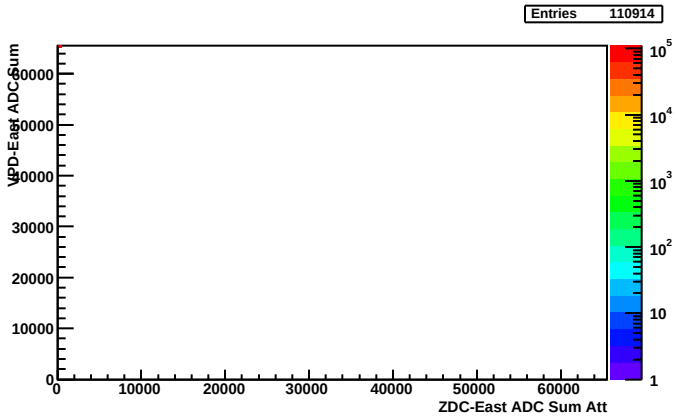

Entries 110914
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

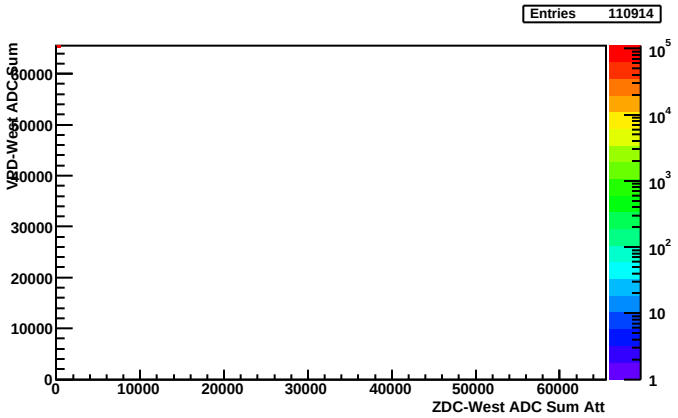

Entries 110914
BBC-S-East ADC Sum
VPD-East ADC Sum

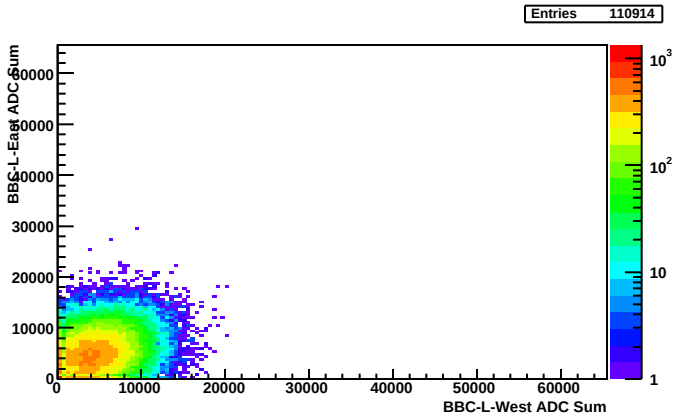

Entries 110914
BBC-S-West ADC Sum
VPD-West ADC Sum

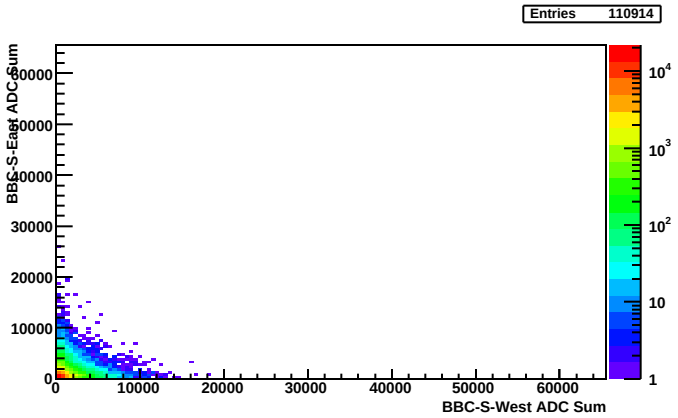

Entries 110914
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

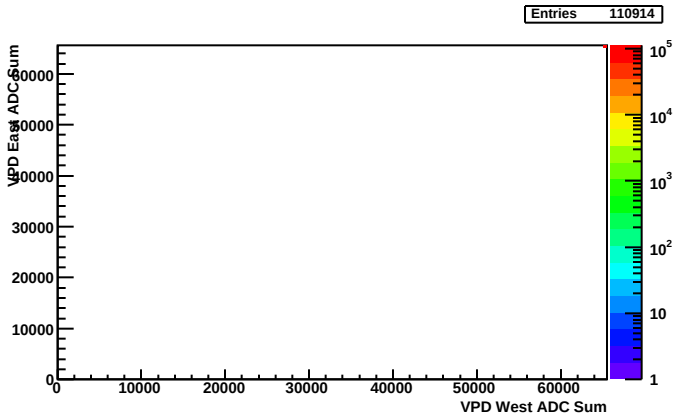

Entries 110914
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

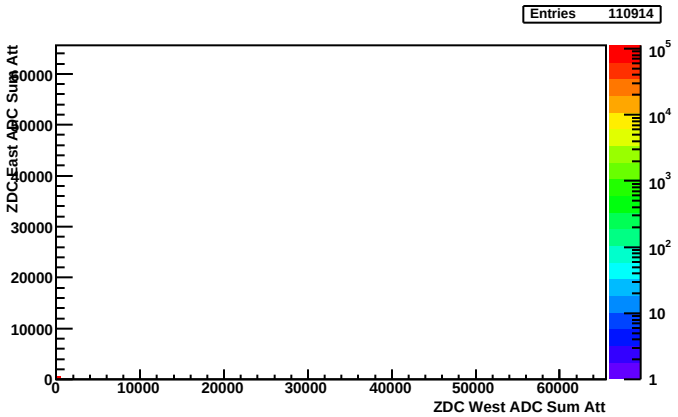

Entries 110914
VPD-East ADC Sum
ZDC-East ADC Sum Att

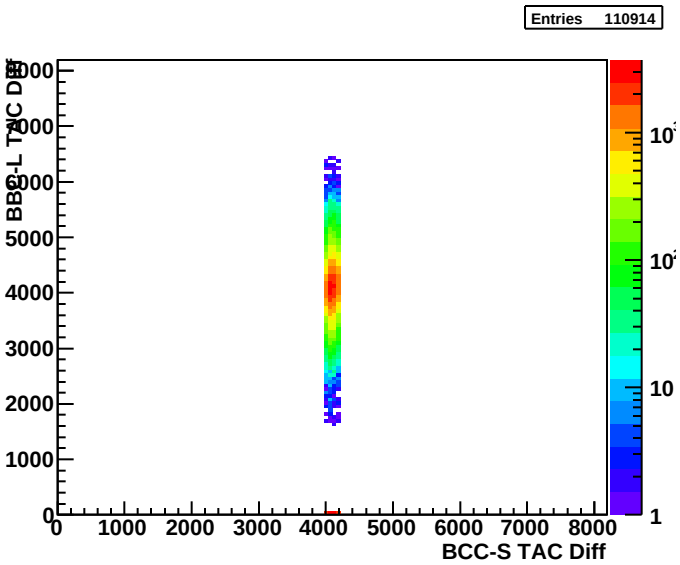

Entries 110914
VPD-West ADC Sum
ZDC-West ADC Sum Att

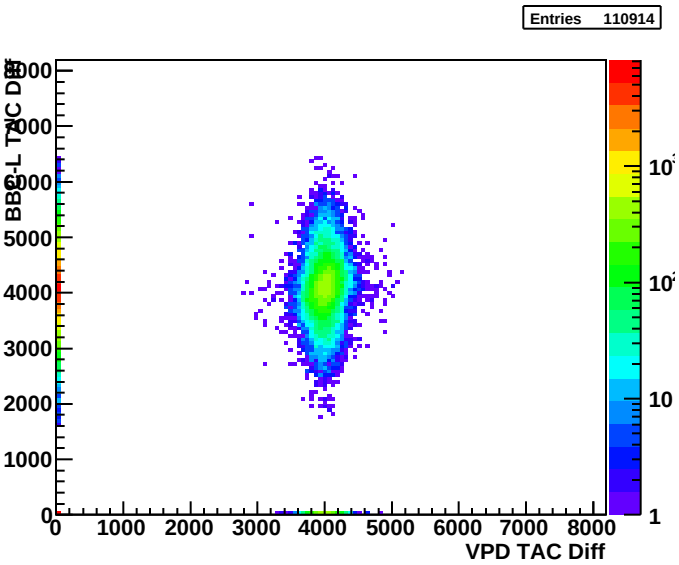

Entries 110914
BBC-L-East ADC Sum
BBC-L-West ADC Sum

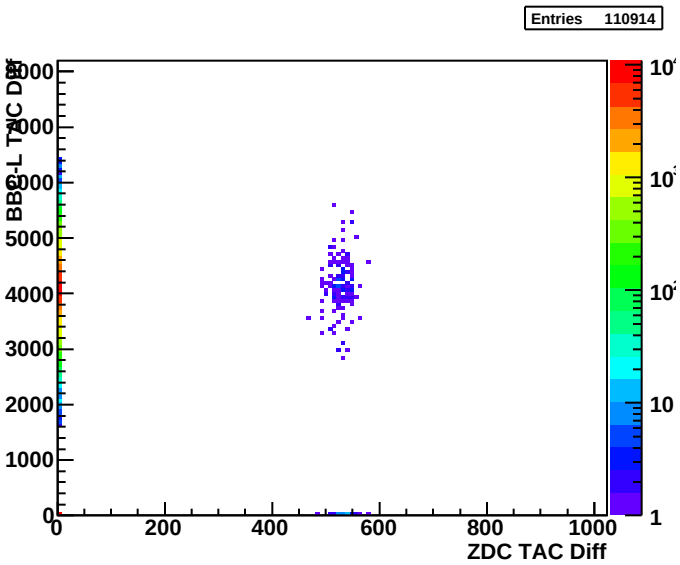

Entries 110914
BBC-S-East ADC Sum
BBC-S-West ADC Sum

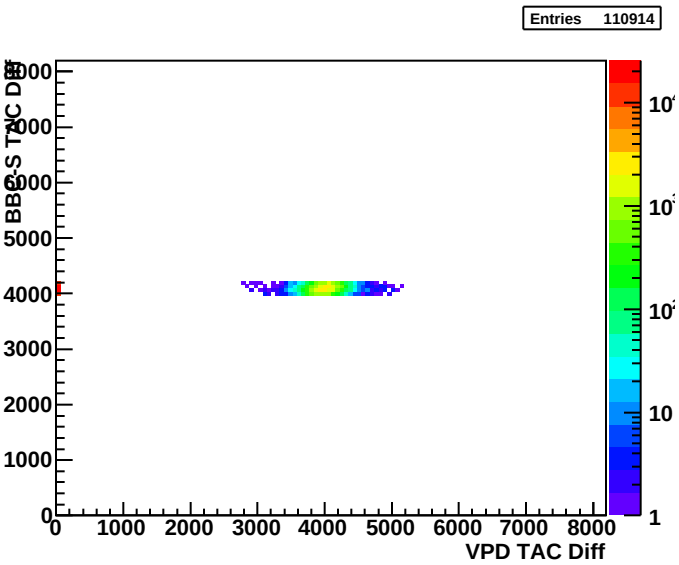

Entries 110914
VPD East ADC Sum
VPD West ADC Sum

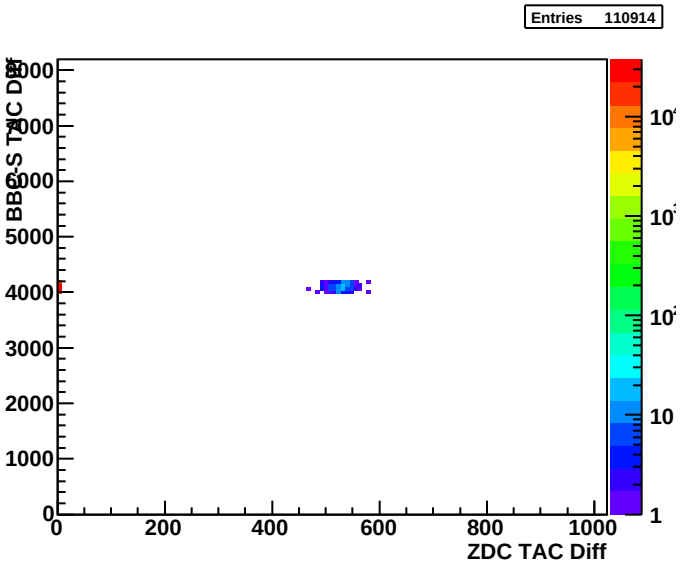

Entries 110914
ZDC East ADC Sum Att
ZDC West ADC Sum Att

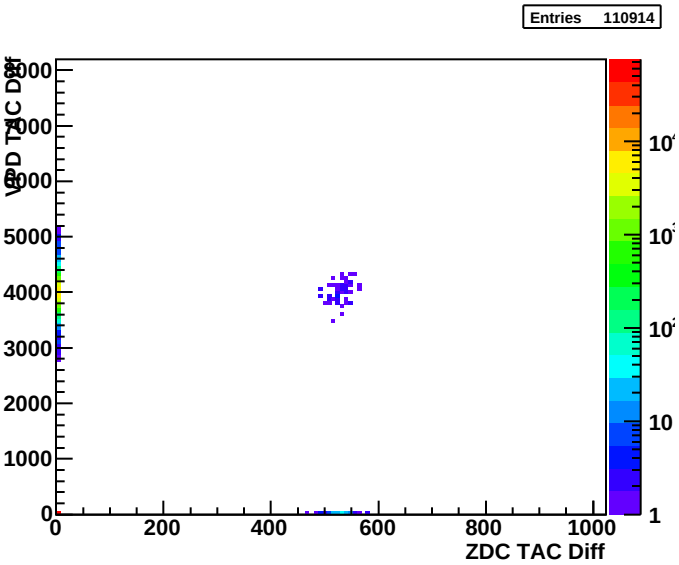

Entries 110914
BBC-L TAC Diff
BCC-S TAC Diff

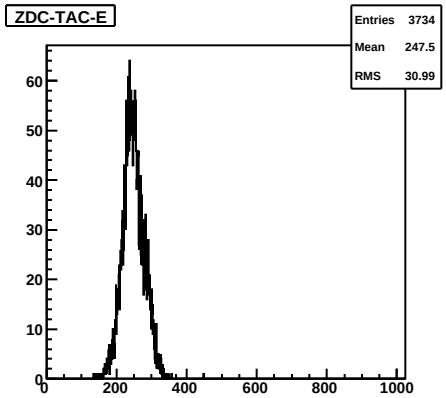

Entries 110914
BBC-L TAC Diff
VPD TAC Diff

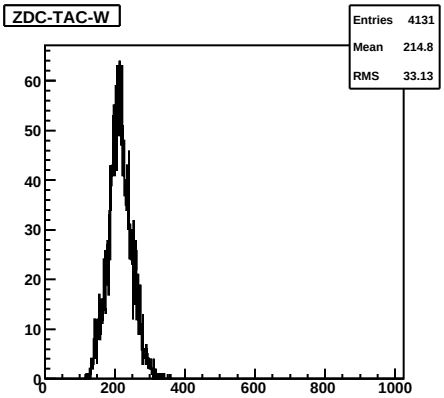

Entries 110914
BBC-L TAC Diff
ZDC TAC Diff

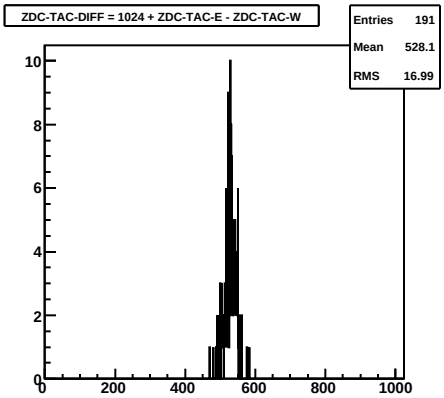

Entries 110914
BBC-S TAC Diff
VPD TAC Diff

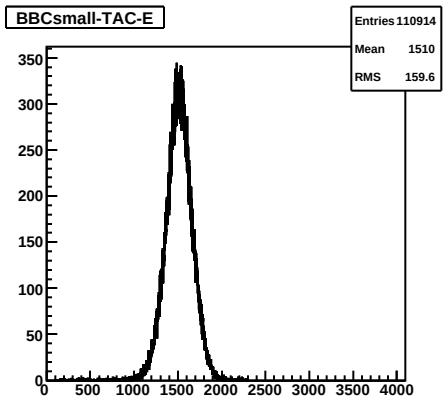

Entries 110914
BBC-S TAC Diff
ZDC TAC Diff

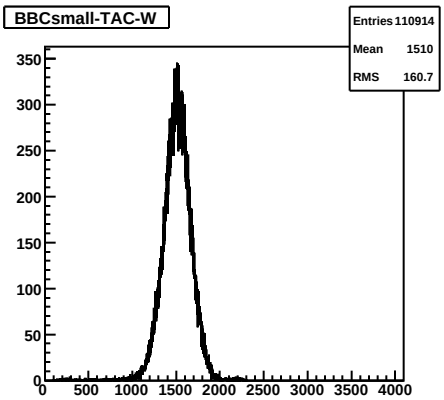

Entries 110914
VPD TAC Diff
ZDC TAC Diff

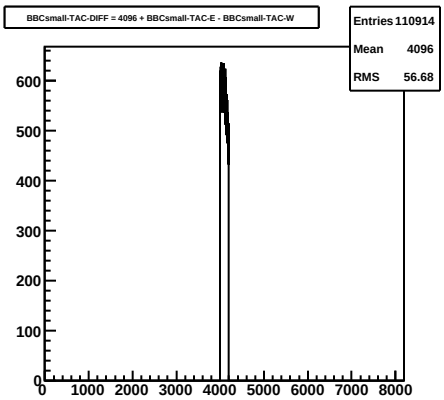

ZDC-TAC-E
Entries 3734
Mean 247.5
RMS 30.99

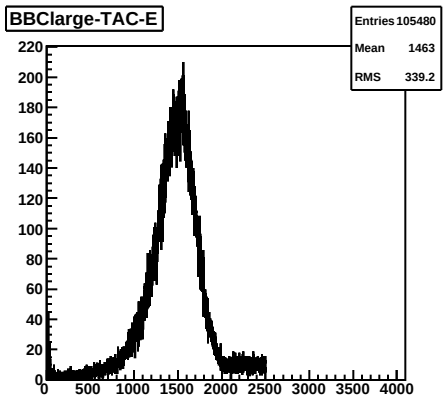

ZDC-TAC-W
Entries 4131
Mean 214.8
RMS 33.13

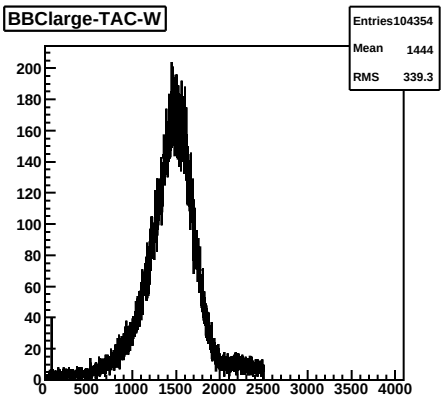

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 191
Mean 528.1
RMS 16.99

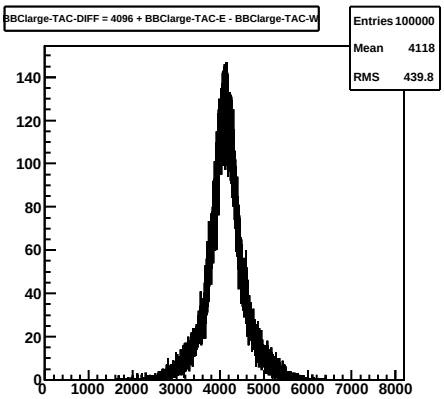

BBCsmall-TAC-E
Entries 110914
Mean 1510
RMS 159.6

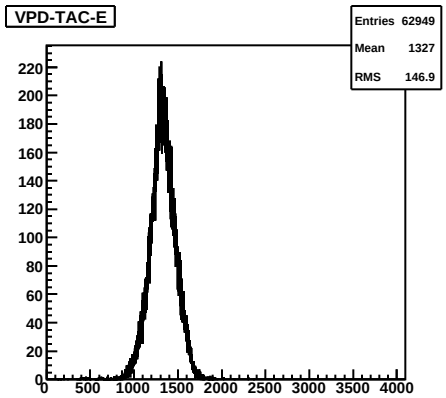

BBCsmall-TAC-W
Entries 110914
Mean 1510
RMS 160.7

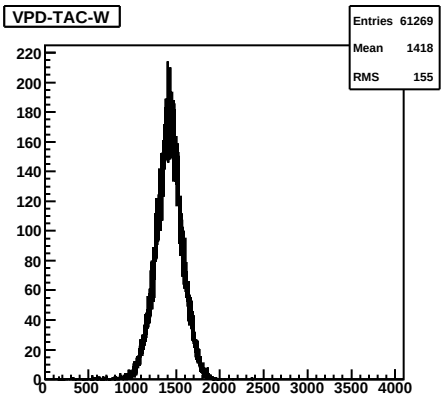

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries 110914
Mean 4096
RMS 56.68

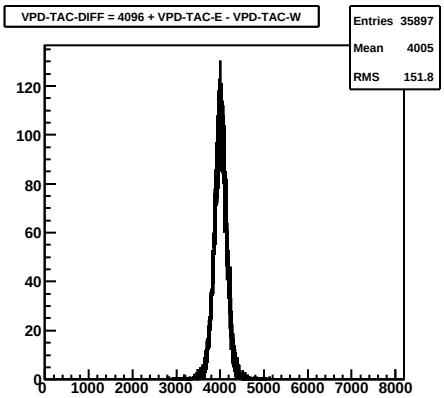

BBClarge-TAC-E
Entries 105480
Mean 1463
RMS 339.2

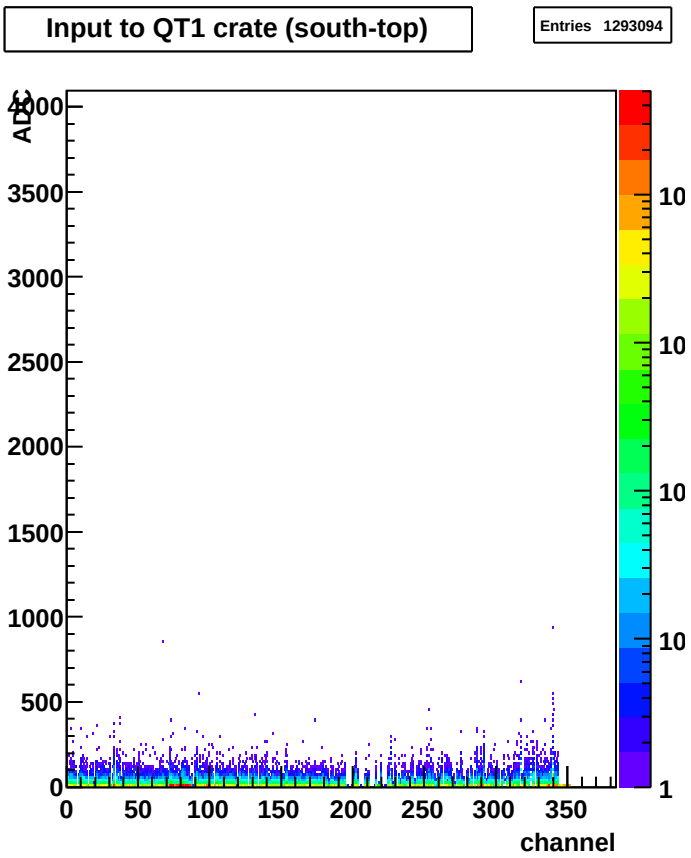

BBClarge-TAC-W
Entries 104354
Mean 1444
RMS 339.3

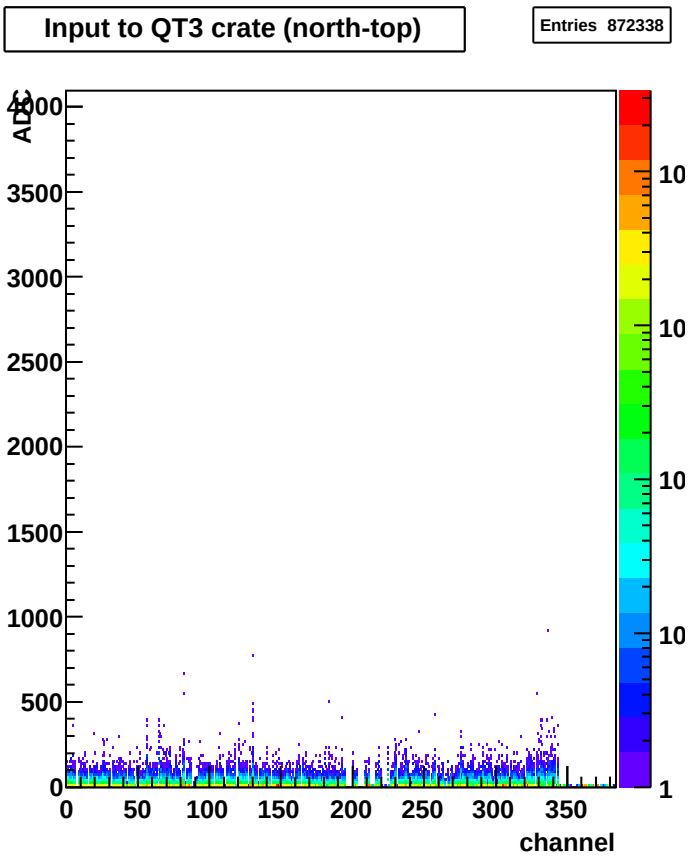

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries 100000
Mean 4118
RMS 439.8

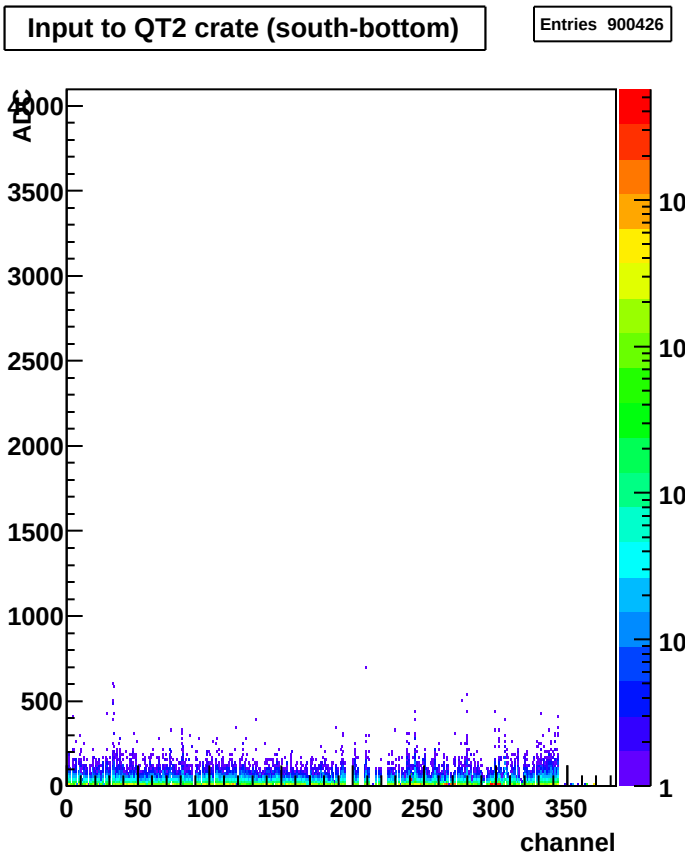

VPD-TAC-E
Entries 62949
Mean 1327
RMS 146.9

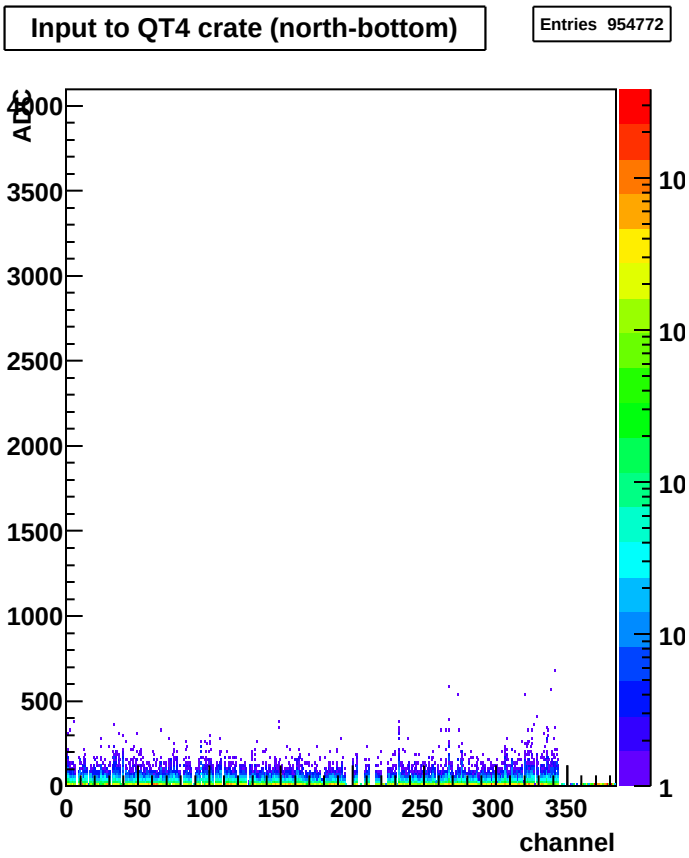

VPD-TAC-W
Entries 61269
Mean 1418
RMS 155

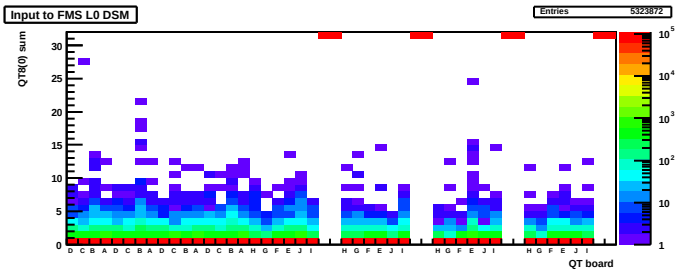

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries 35897
Mean 4005
RMS 151.8

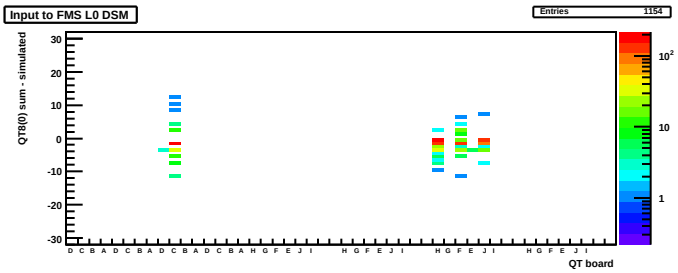

Input to QT1 crate (south-top)
Entries 1293094
ADC
channel

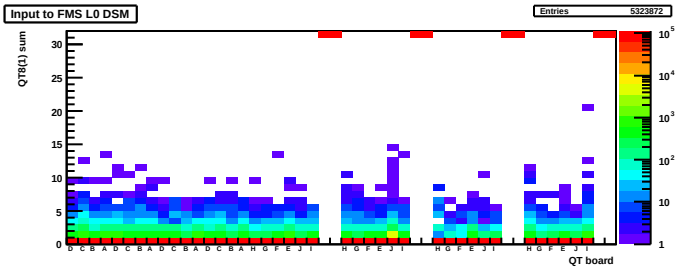

Input to QT3 crate (north-top)
Entries 872338
ADC
channel

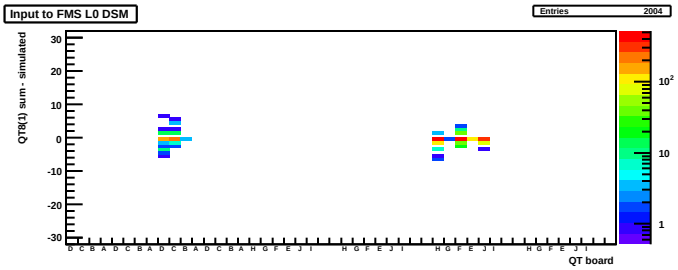

Input to QT2 crate (south-bottom)
Entries 900426
ADC
channel

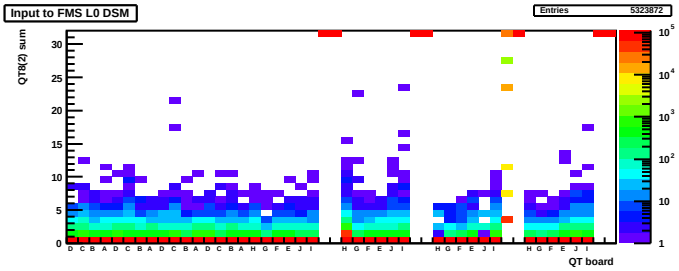

Input to QT4 crate (north-bottom)
Entries 954772
ADC
channel

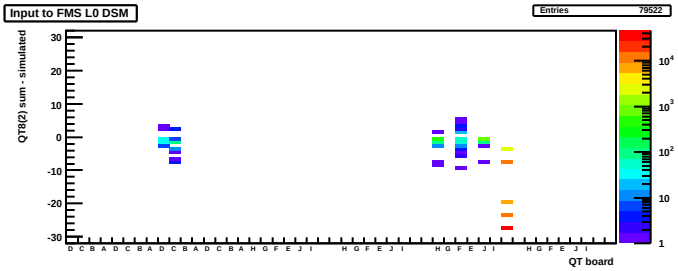

Input to FMS L0 DSM
Entries 5323872
QT8(0) sum
QT board

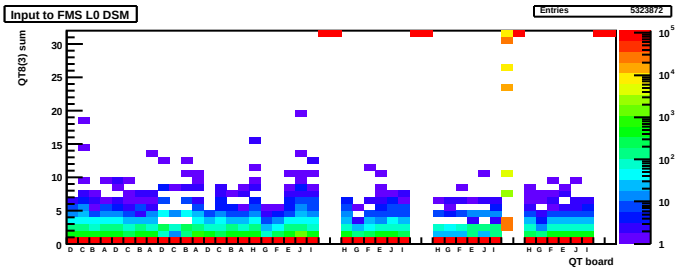

Input to FMS L0 DSM
Entries 1154
QT8(0) sum - simulated
QT board

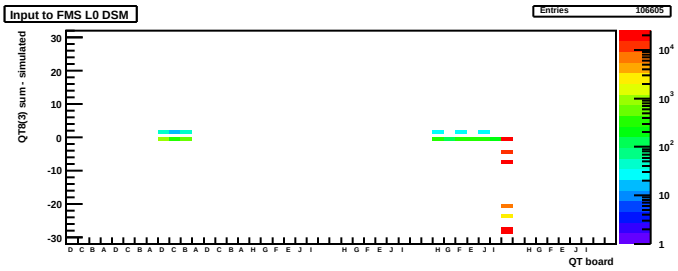

Input to FMS L0 DSM
Entries 5323872
QT8(1) sum
QT board

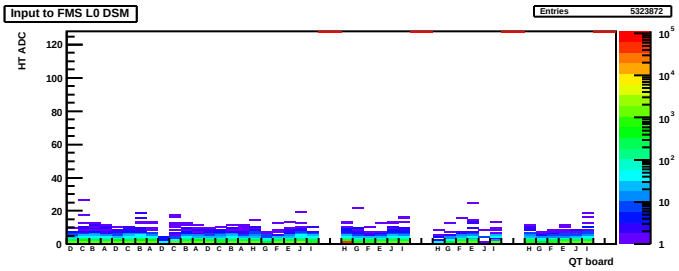

Input to FMS L0 DSM
Entries 2004
QT8(1) sum - simulated
QT board

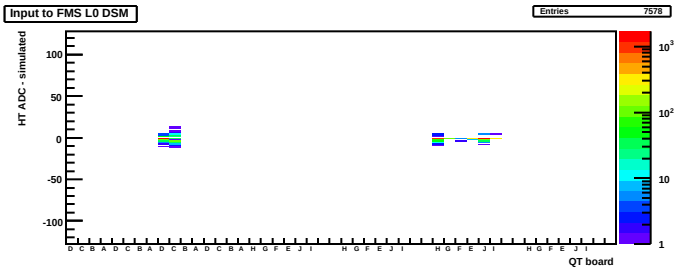

Input to FMS L0 DSM
Entries 5323872
QT8(2) sum
QT board

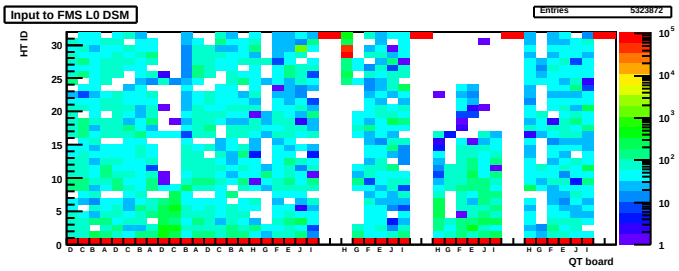

Input to FMS L0 DSM
Entries 79522
QT8(2) sum - simulated
QT board

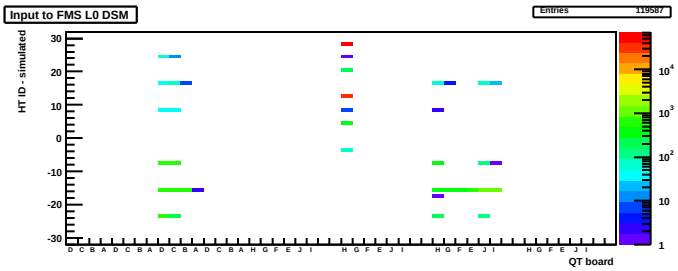

Input to FMS L0 DSM
Entries 5323872
QT8(3) sum
QT board

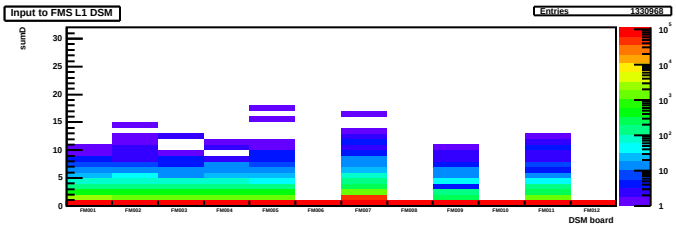

Input to FMS L0 DSM
Entries 106605
QT8(3) sum - simulated
QT board

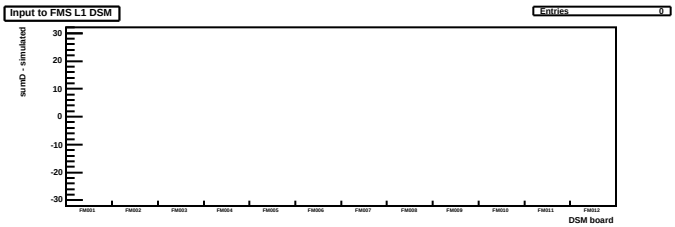

Input to FMS L0 DSM
Entries 5323872
HT ADC
QT board

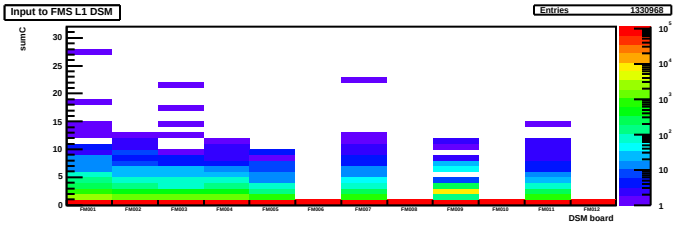

Input to FMS L0 DSM
Entries 7578
HT ADC - simulated
QT board

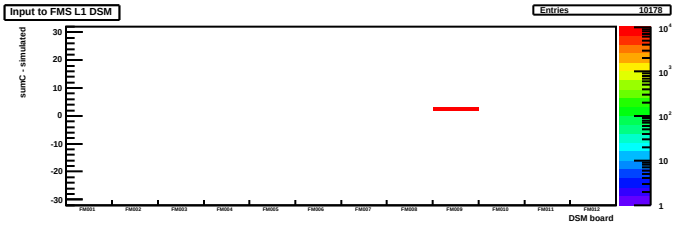

Input to FMS L0 DSM
Entries 5323872
HT ID
QT board

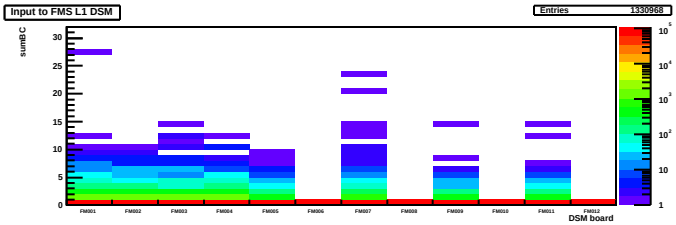

Input to FMS L0 DSM
Entries 119587
HT ID - simulated
QT board

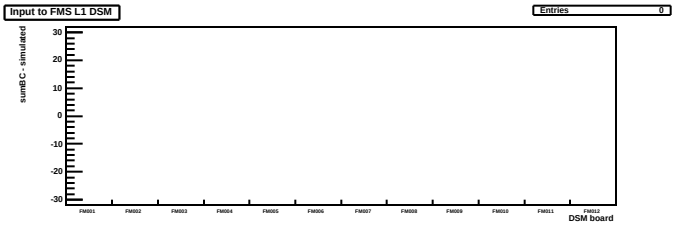

Input to FMS L1 DSM
Entries 1330968
sumD
DSM board

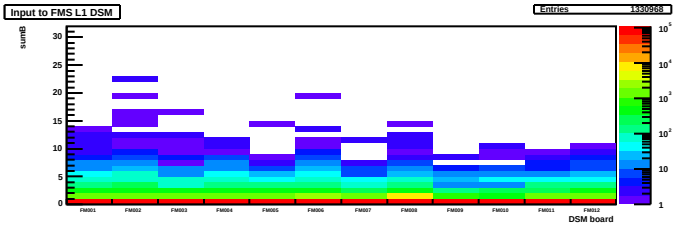

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

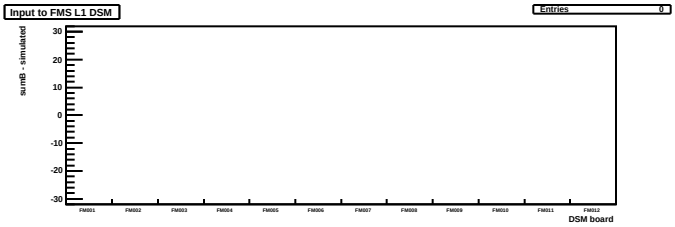

Input to FMS L1 DSM
Entries 1330968
sumC
DSM board

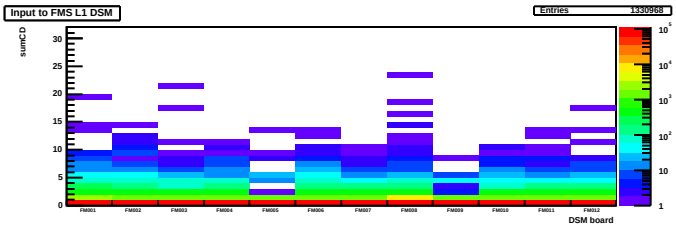

Input to FMS L1 DSM
Entries 10178
sumC - simulated
DSM board

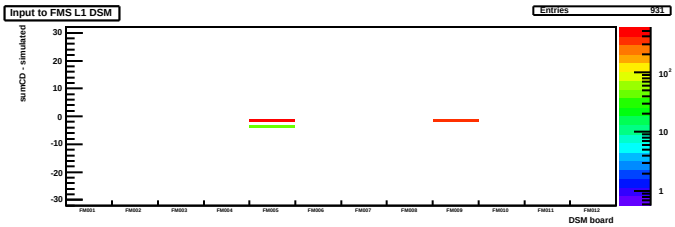

Input to FMS L1 DSM
Entries 1330968
sumBC
DSM board

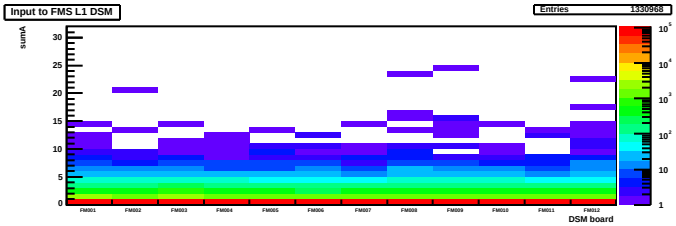

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

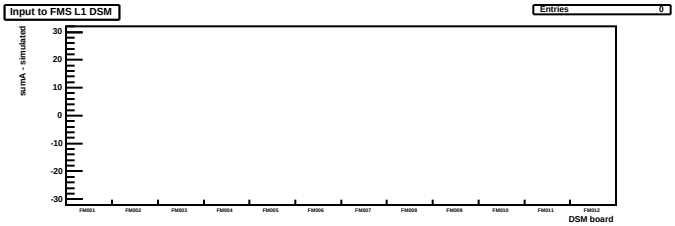

Input to FMS L1 DSM
Entries 1330968
sumB
DSM board

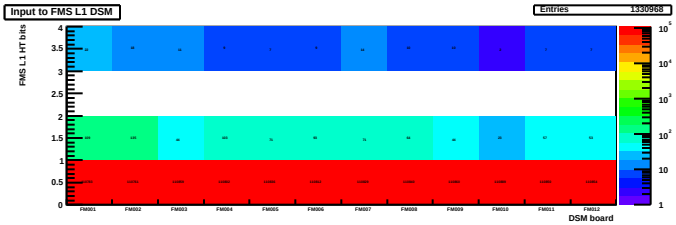

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

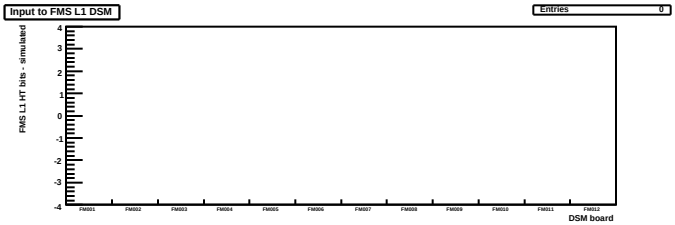

Input to FMS L1 DSM
Entries 1330968
sumCD
DSM board

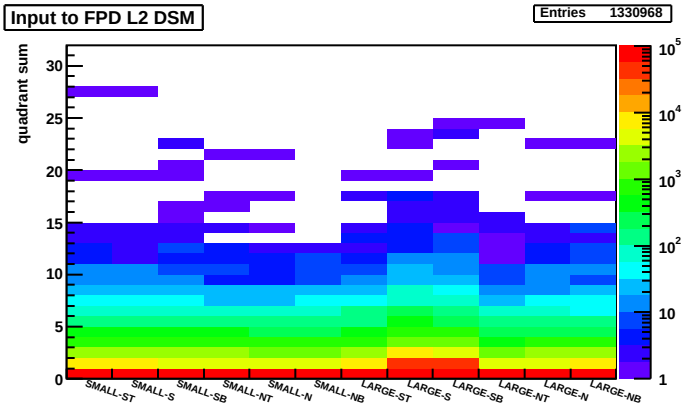

Input to FMS L1 DSM
Entries 931
sumCD - simulated
DSM board

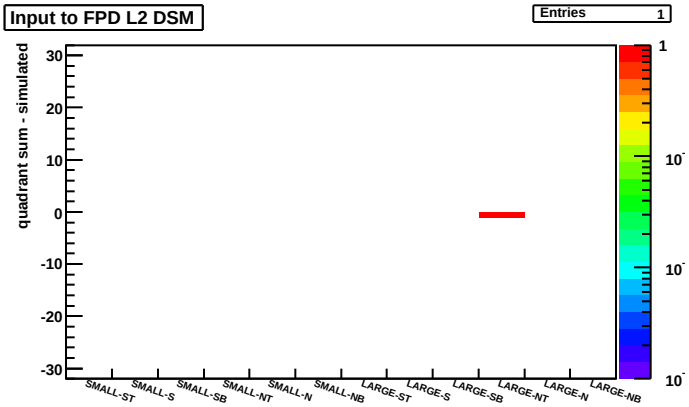

Input to FMS L1 DSM
Entries 1330968
sumA
DSM board

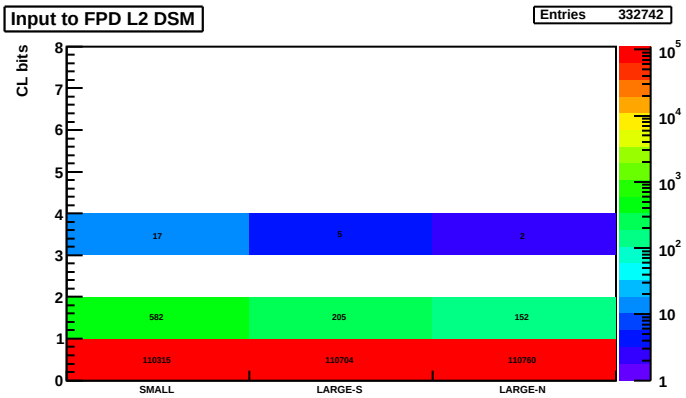

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

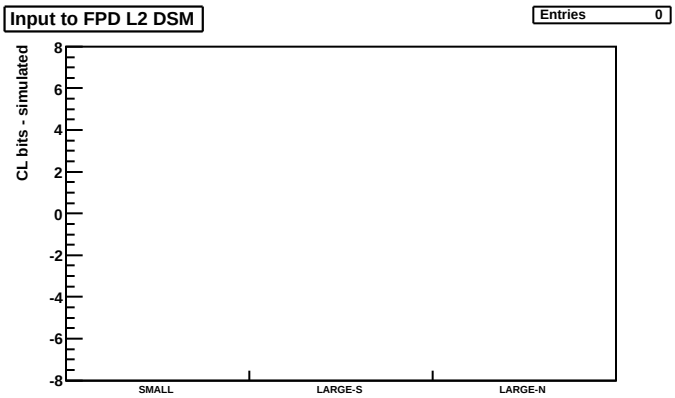

Input to FMS L1 DSM
Entries 1330968
FMS L1 HT bits
DSM board

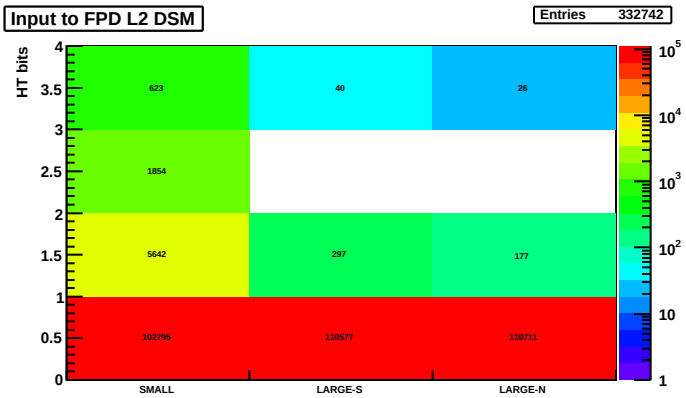

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

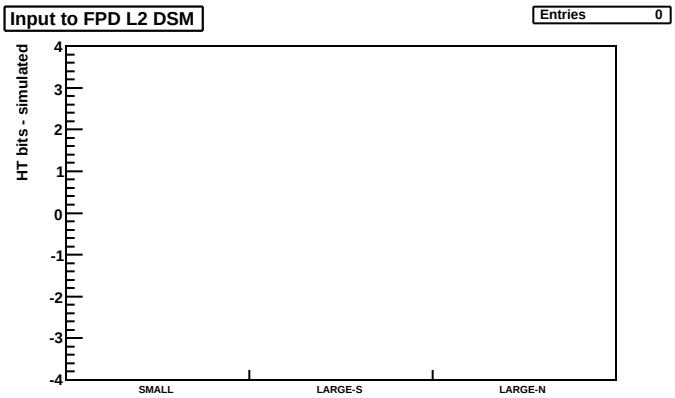

Input to FPD L2 DSM
Entries 1330968
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

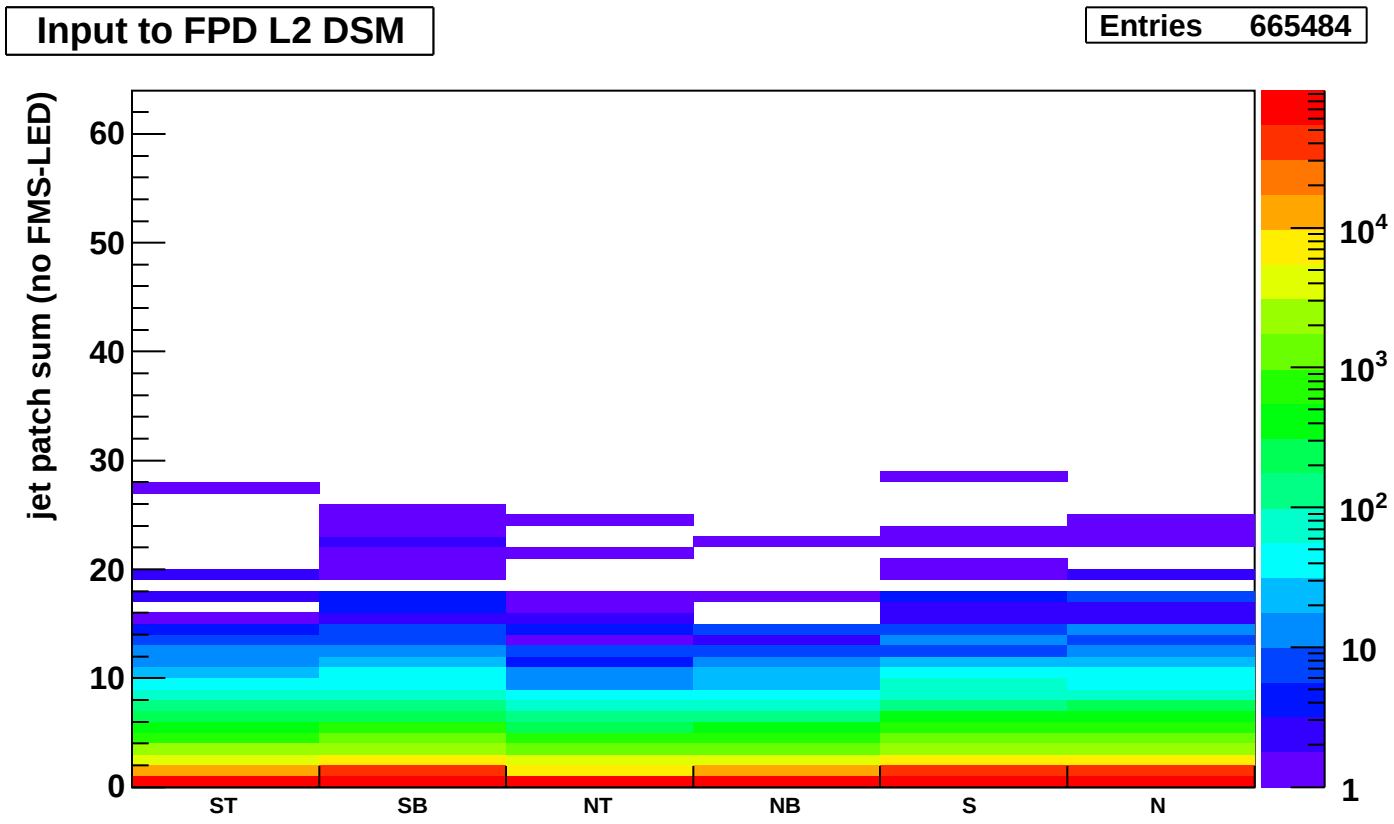

Input to FPD L2 DSM
Entries 1
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

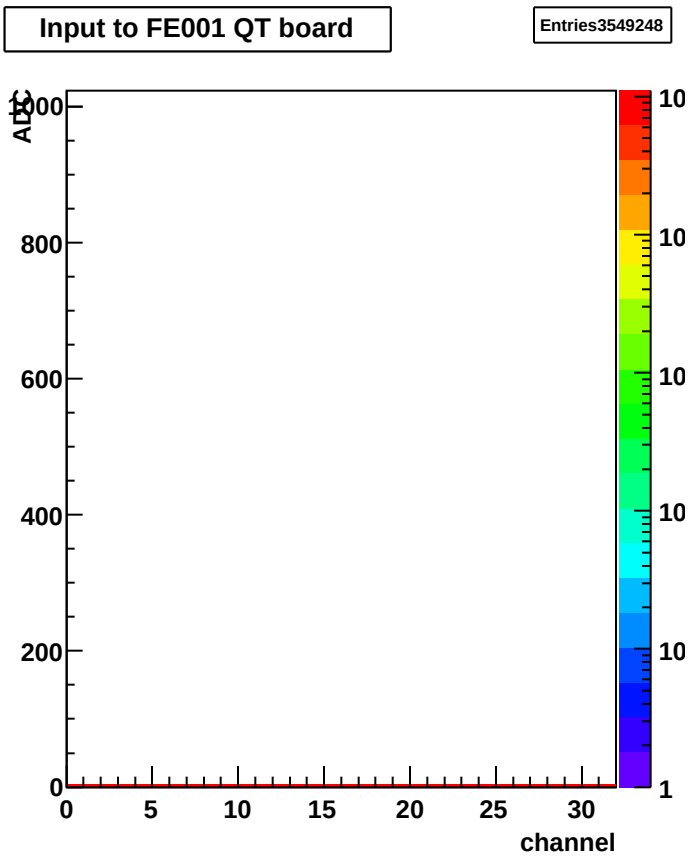

Input to FPD L2 DSM
Entries 332742
CL bits
17
5
2
582
205
152
110315
110704
110760
SMALL
LARGE-S
LARGE-N

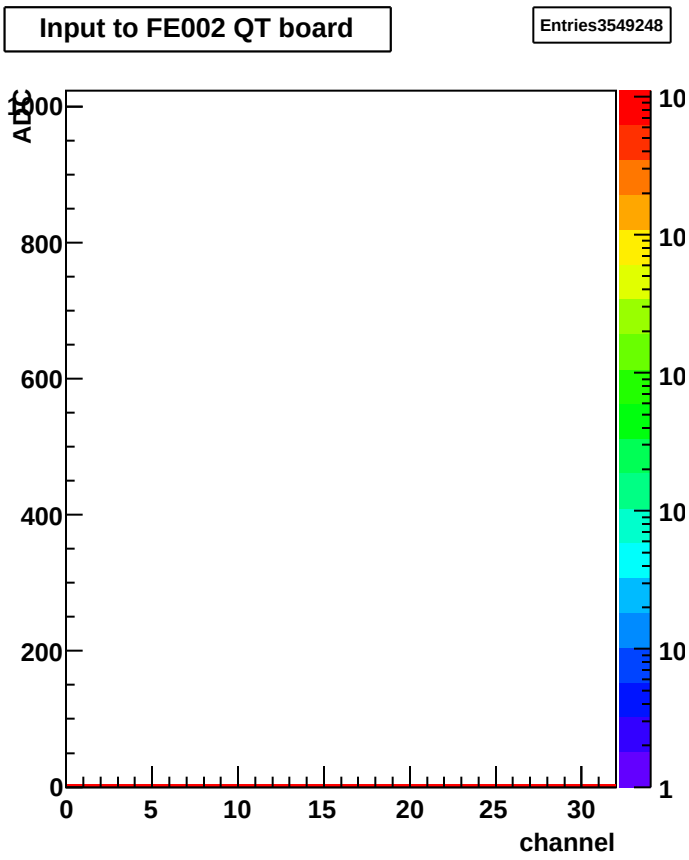

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

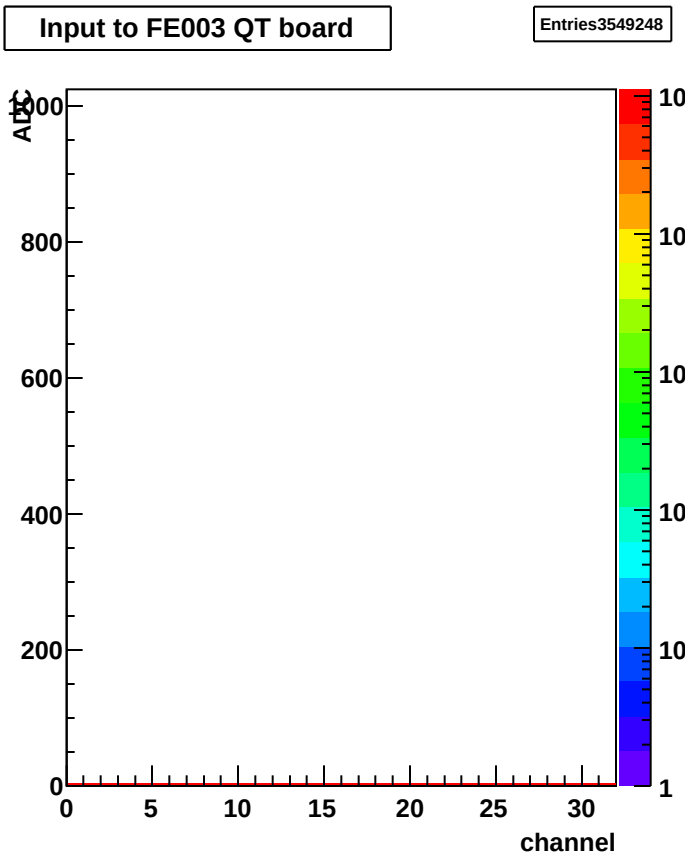

Input to FPD L2 DSM
Entries 332742
HT bits
623
40
26
1854
5642
297
177
102795
110577
110711
SMALL
LARGE-S
LARGE-N

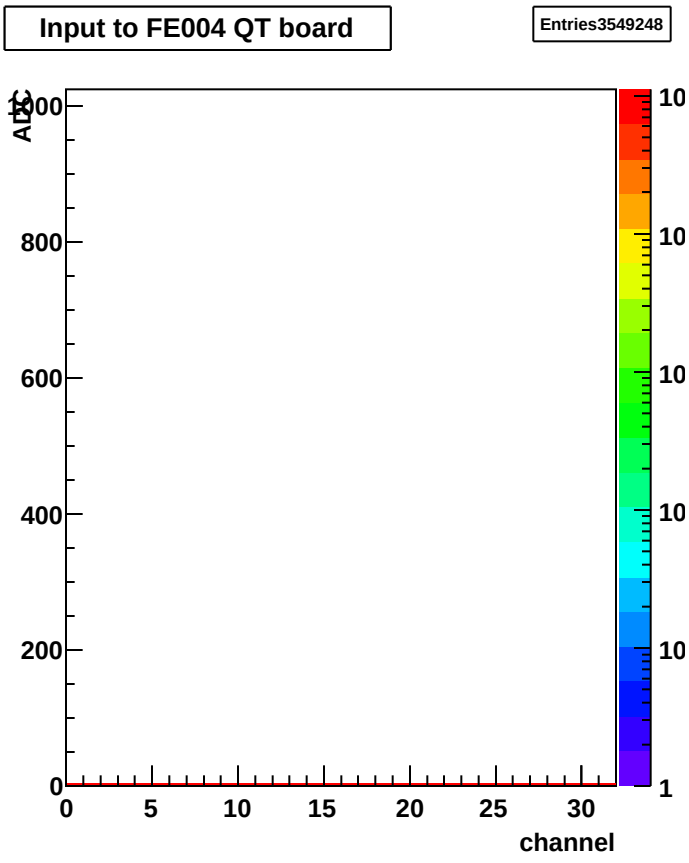

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

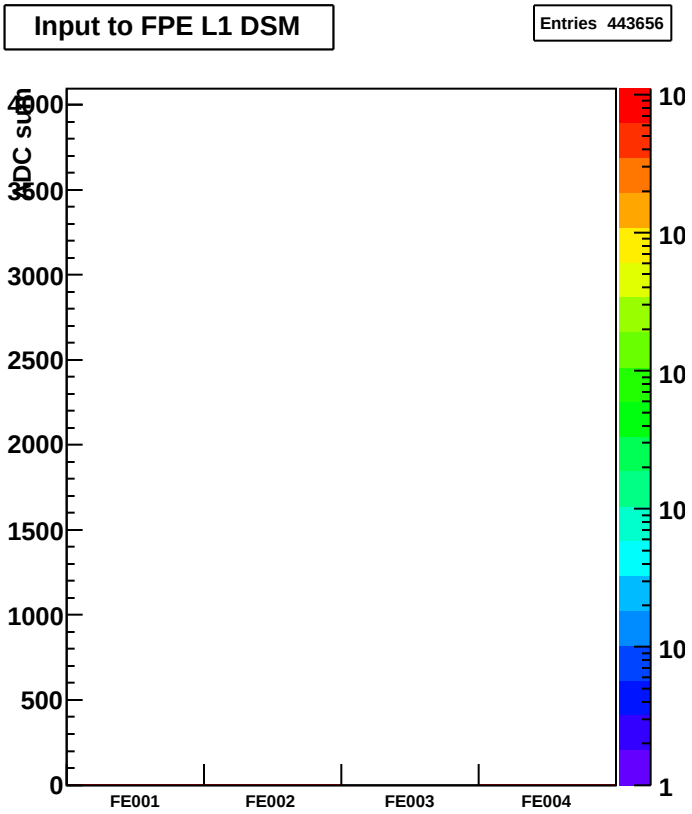

Input to FPD L2 DSM
Entries 665484
jet patch sum (no FMS-LED)
0
10
20
30
40
50
60
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4

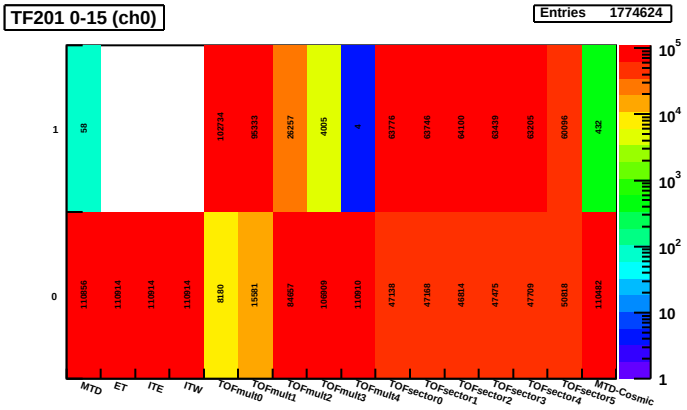

Input to FE001 QT board
Entries3549248
ADC
channel

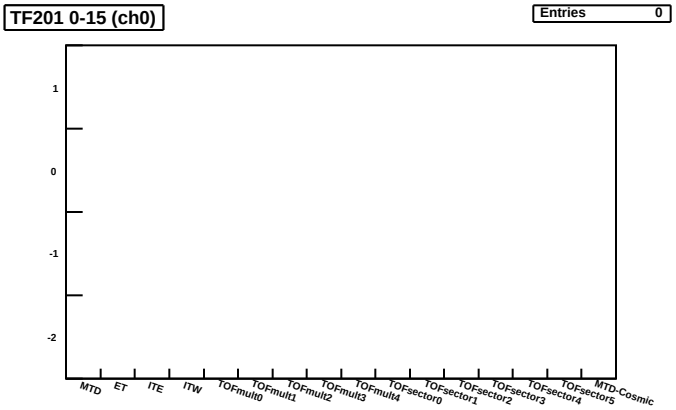

Input to FE002 QT board
Entries3549248
ADC
channel

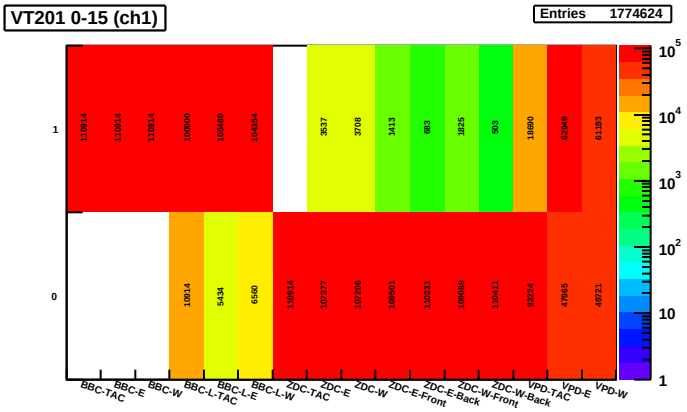

Input to FE003 QT board
Entries3549248
ADC
channel

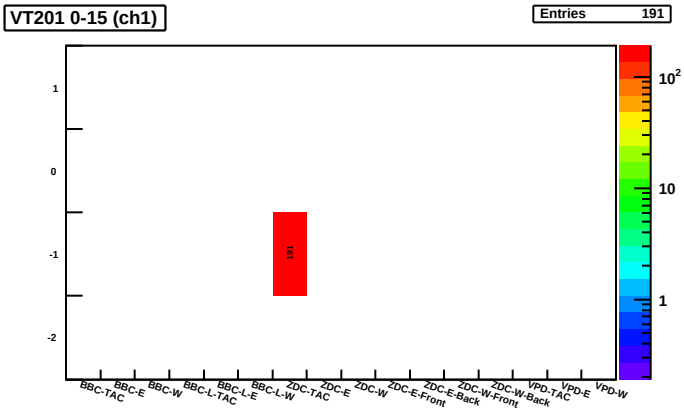

Input to FE004 QT board
Entries3549248
ADC
channel

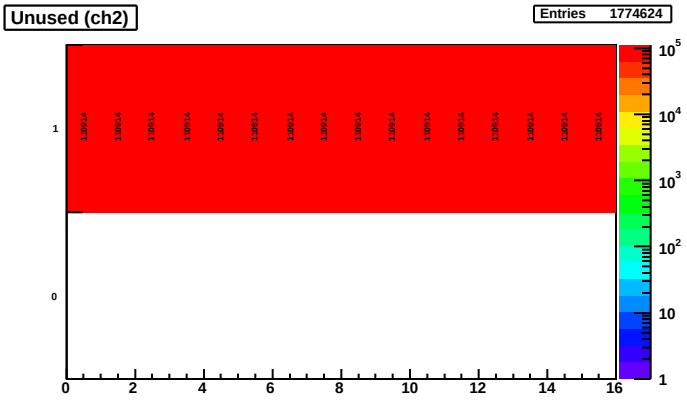

Input to FPE L1 DSM
Entries 443656
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
10
1

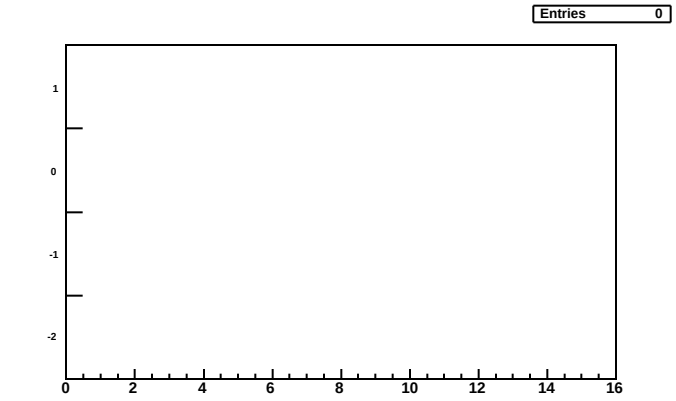

TF201 0-15 (ch0)
Entries 1774624
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

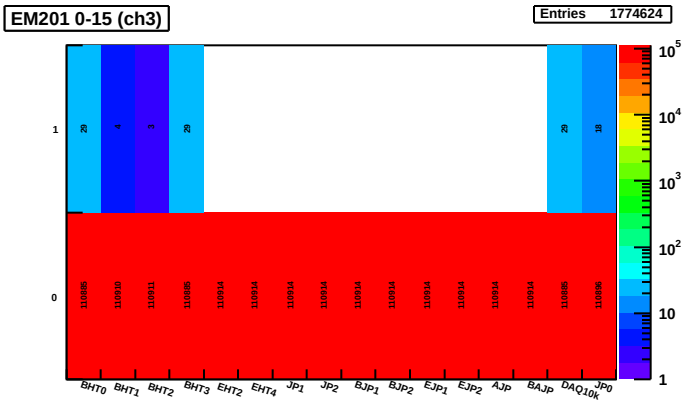

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

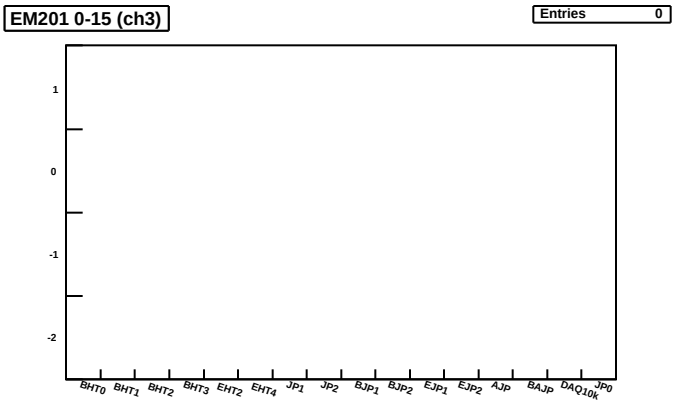

VT201 0-15 (ch1)
Entries 1774624
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

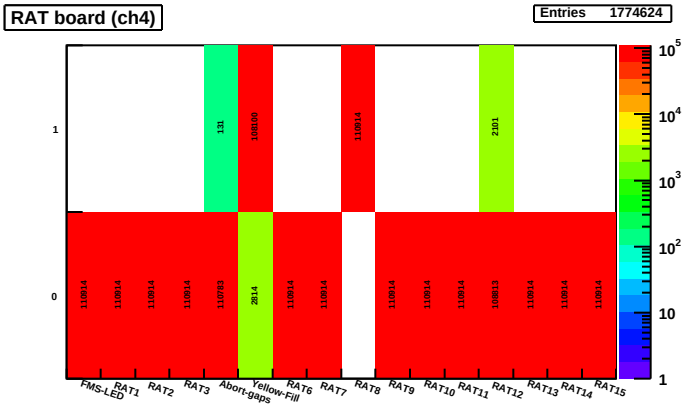

VT201 0-15 (ch1)
Entries 191
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

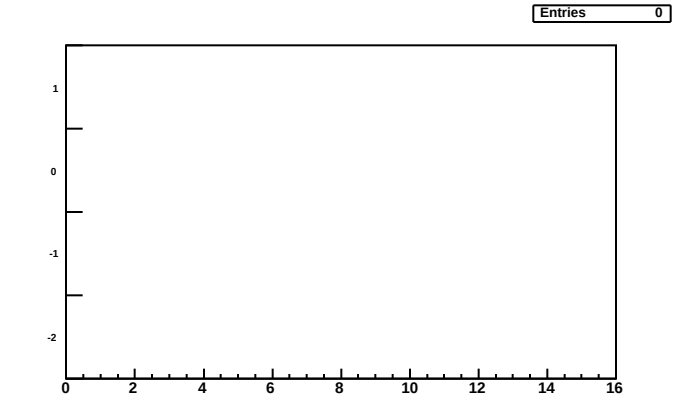

Unused (ch2)
Entries 1774624

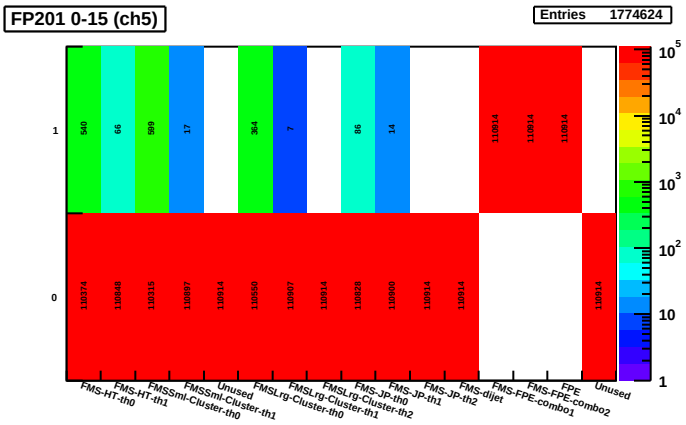

Entries 0

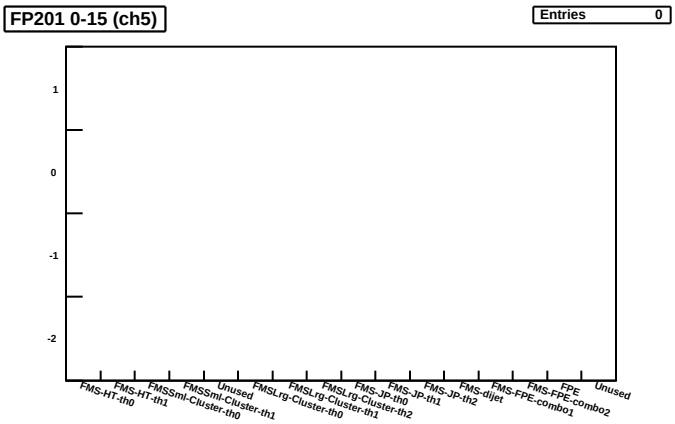

EM201 0-15 (ch3)
Entries 1774624
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP DAQ10k JP0

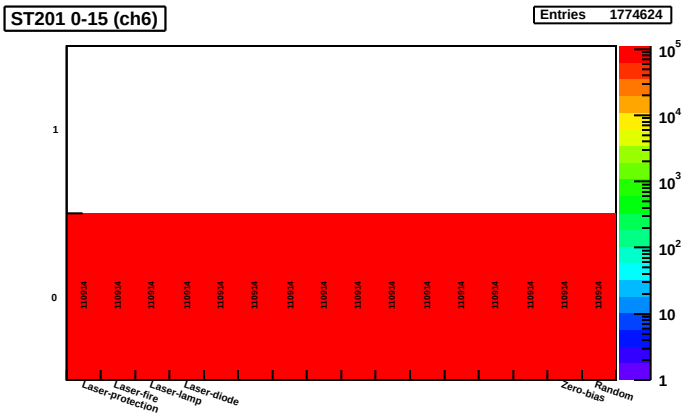

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP DAQ10k JP0

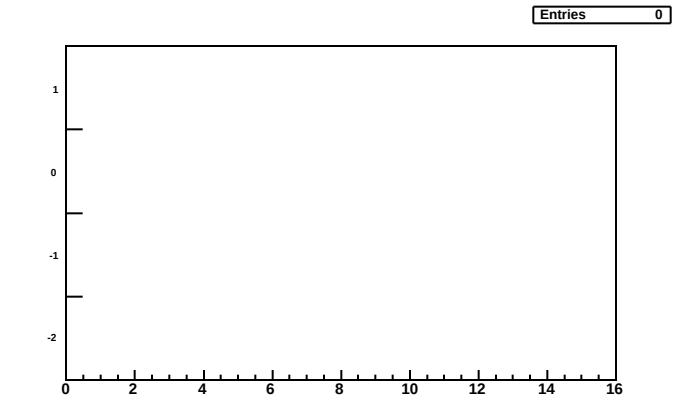

RAT board (ch4)
Entries 1774624
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15

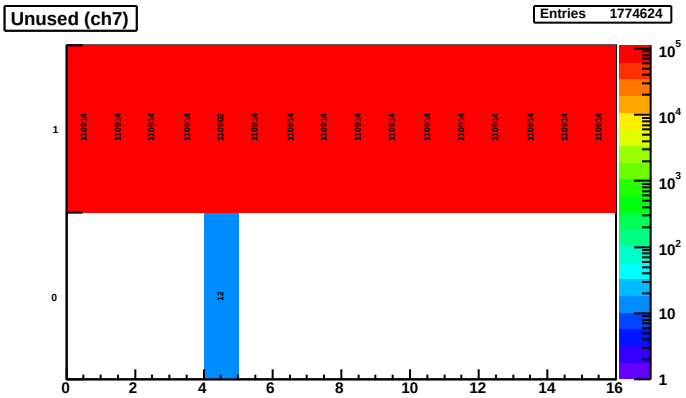

Entries 0

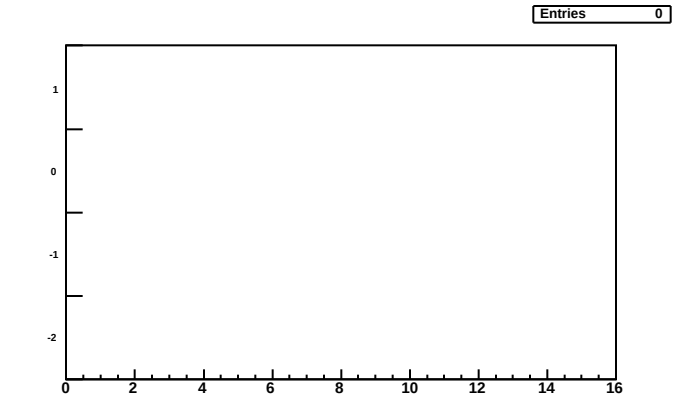

FP201 0-15 (ch5)
Entries 1774624
FMS-HT-th0
FMS-HT-th1
FMSSml-Cluster-th0
FMSSml-Cluster-th1
Unused
FMSLrg-Cluster-th0
FMSLrg-Cluster-th1
FMS-JP-th0
FMS-JP-th1
FMS-JP-th2
FMS-dijet
FMS-FPE-combo1
FPE
FMS-FPE-combo2
Unused


FP201 0-15 (ch5)
Entries 0


ST201 0-15 (ch6)
Entries 1774624
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random


Entries 0


Unused (ch7)
Entries 1774624


Entries 0