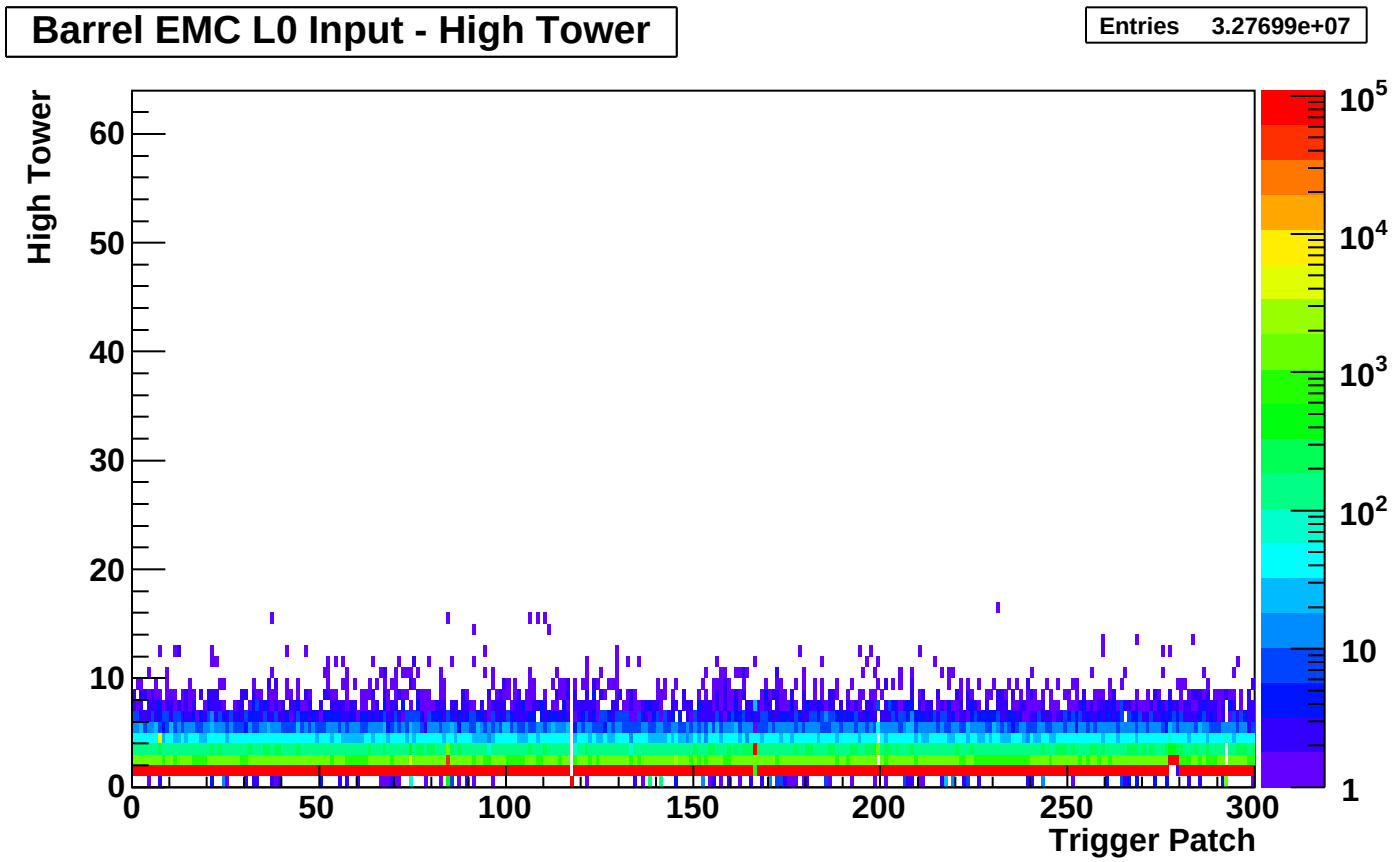
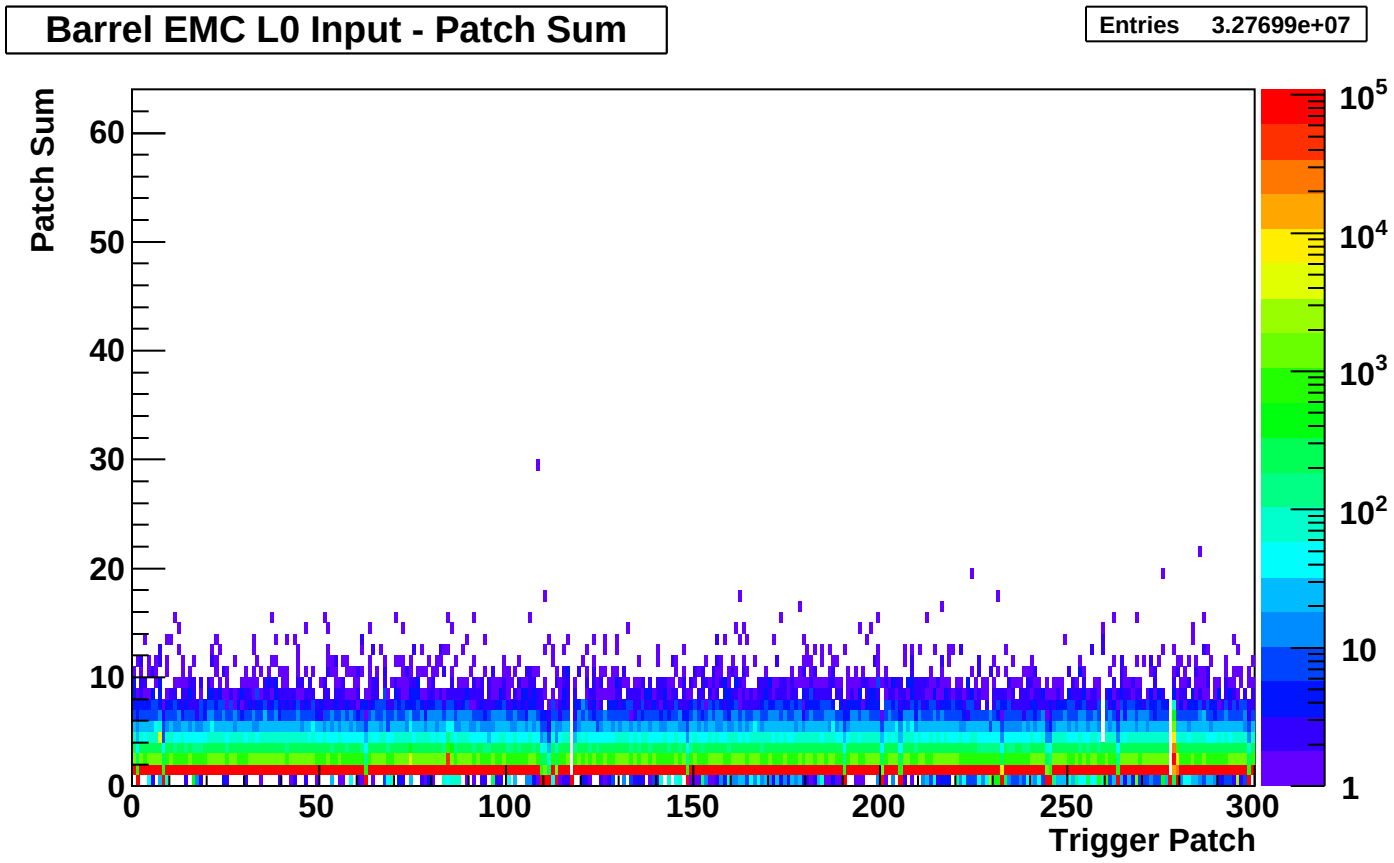
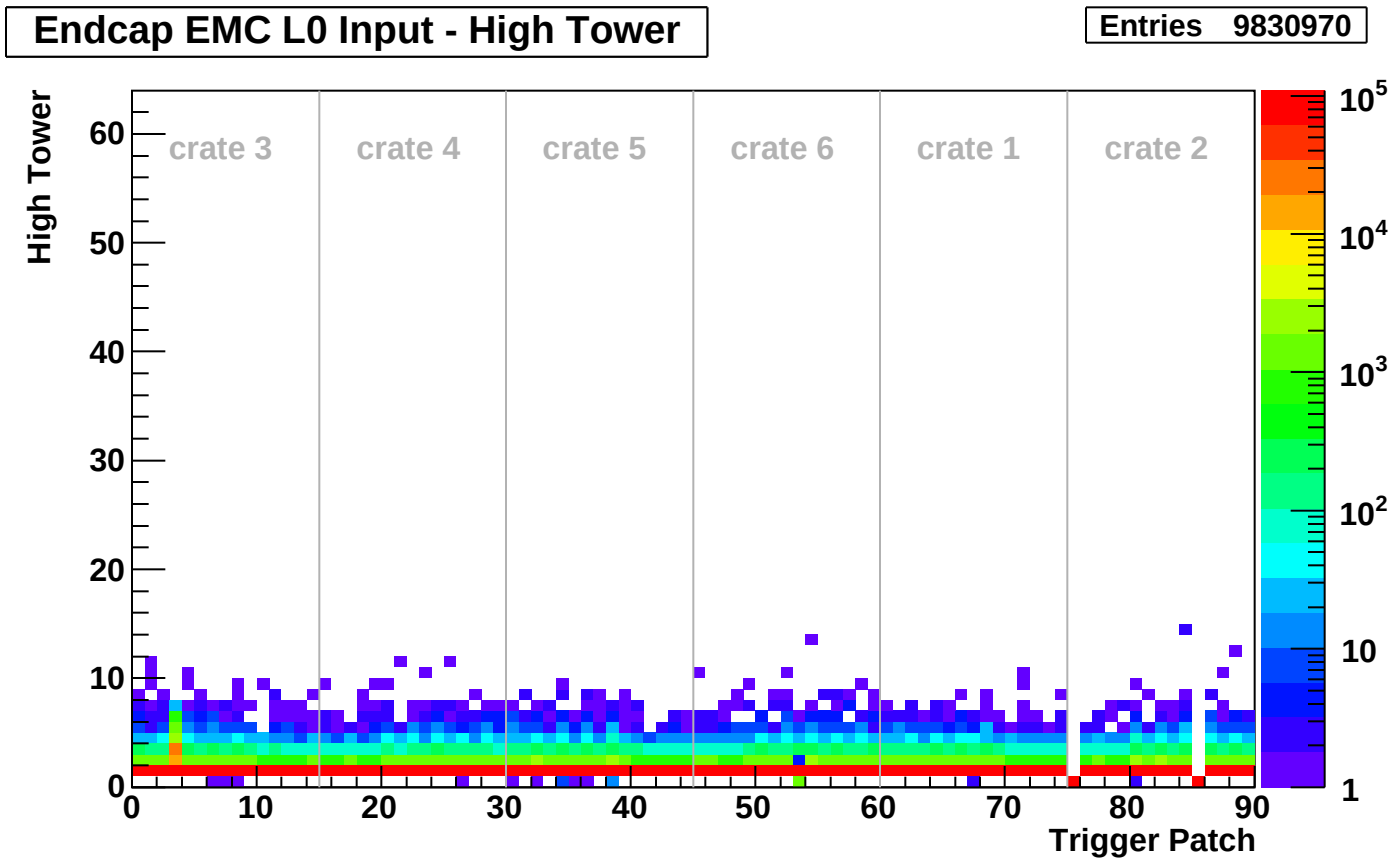
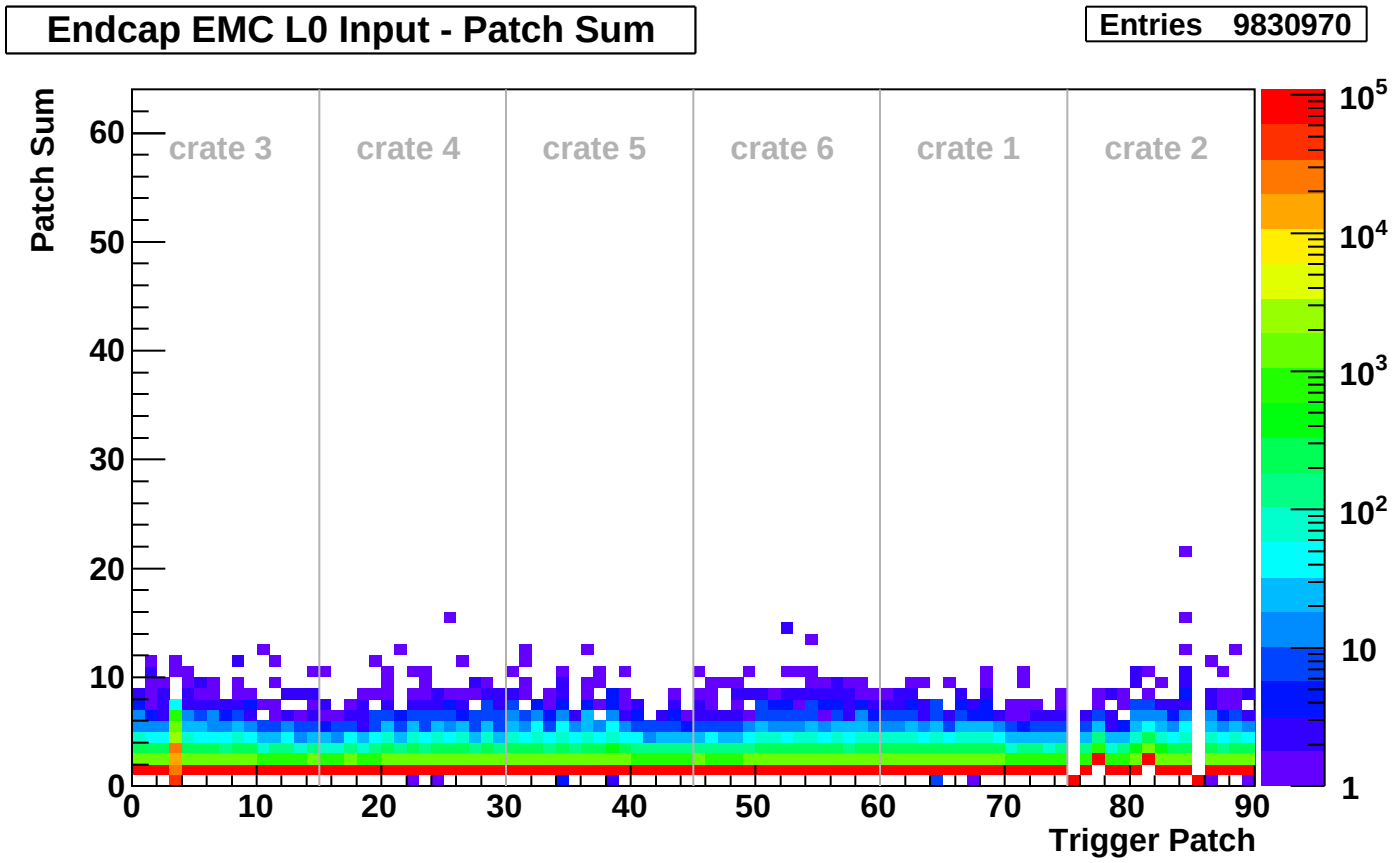
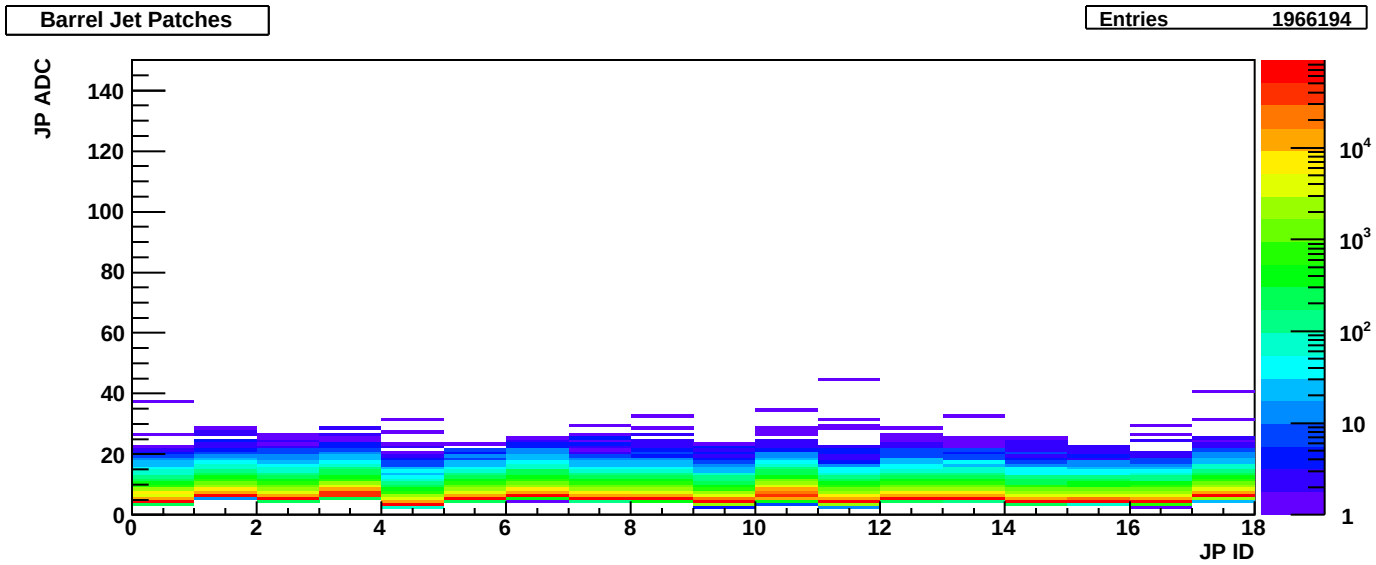
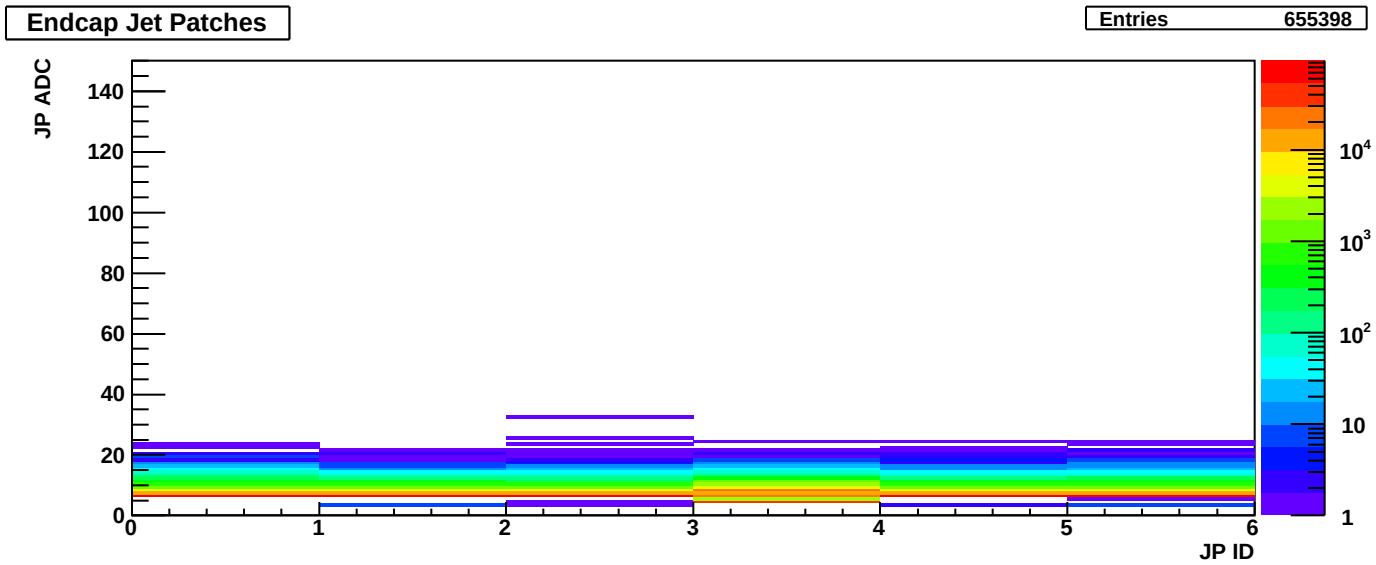

Barrel EMC L0 Input - High Tower
Entries 3.27699e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

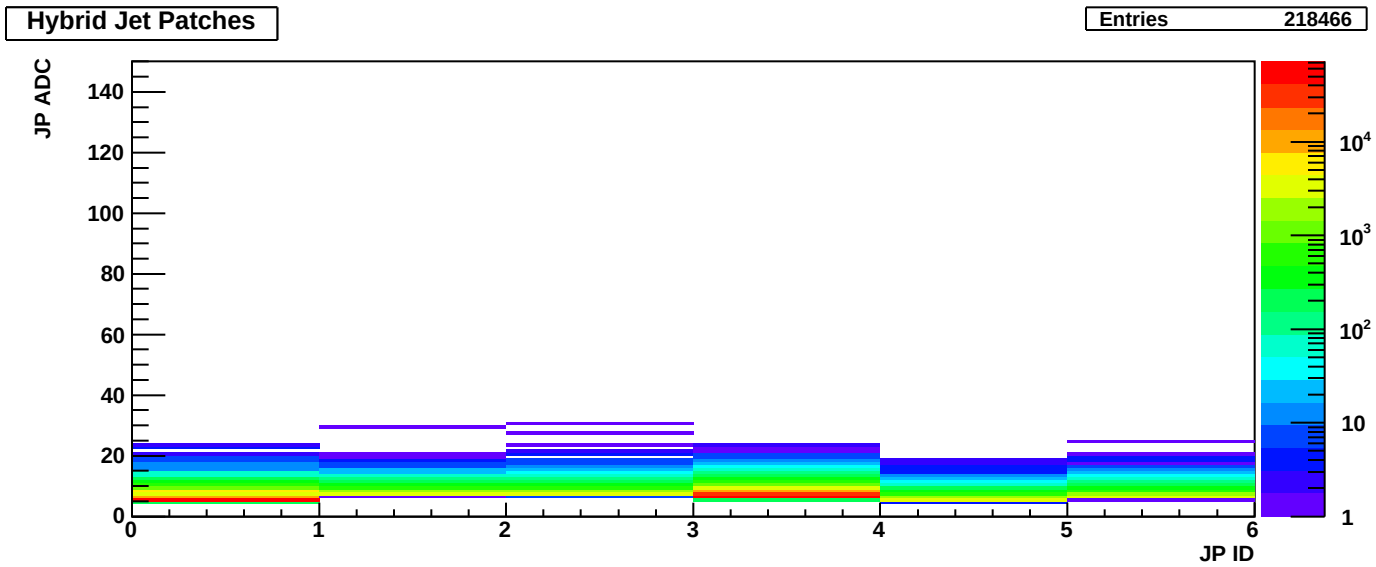

Barrel EMC L0 Input - Patch Sum
Entries 3.27699e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

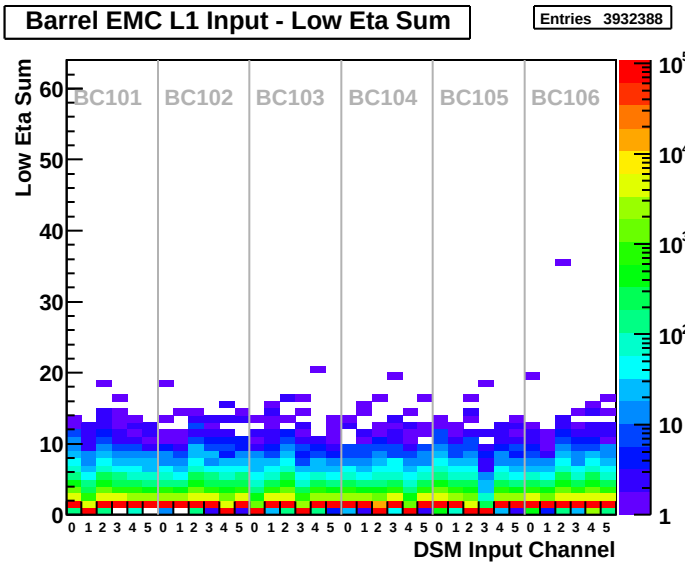

Endcap EMC L0 Input - High Tower
Entries 9830970
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

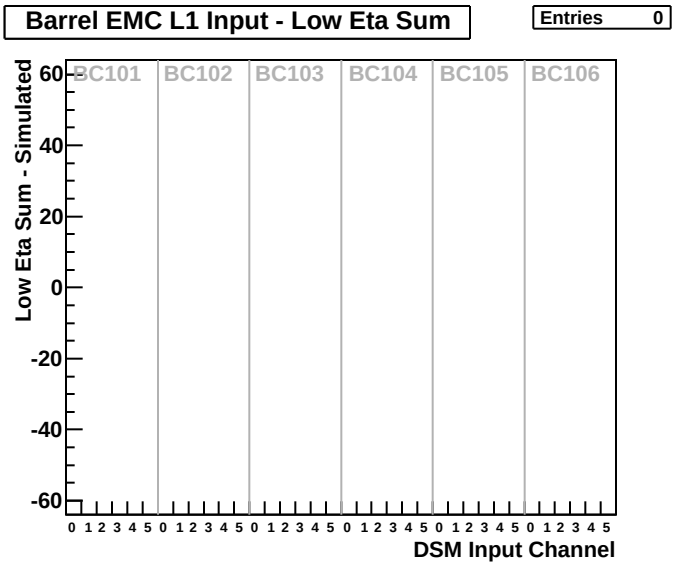

Endcap EMC L0 Input - Patch Sum
Entries 9830970
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

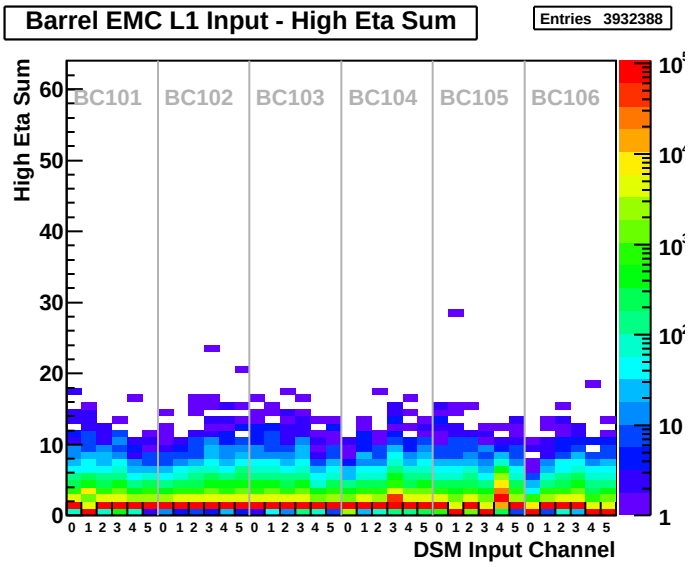

Barrel Jet Patches
Entries 1966194
JP ADC
JP ID

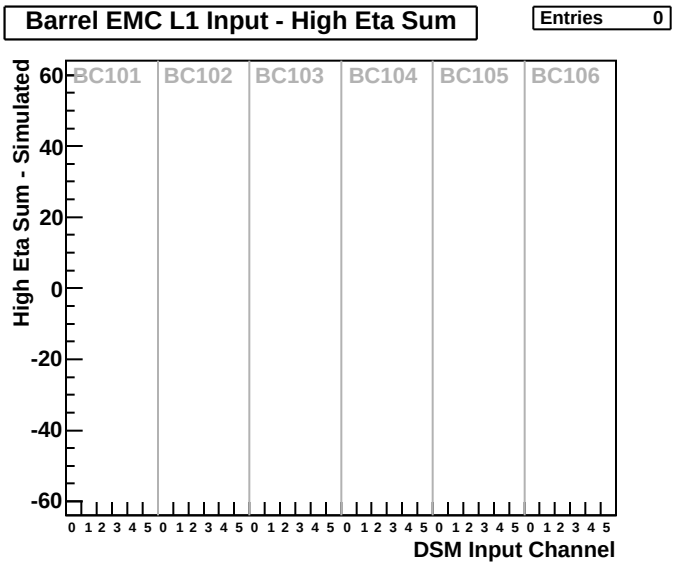

Endcap Jet Patches
Entries 655398
JP ADC
JP ID

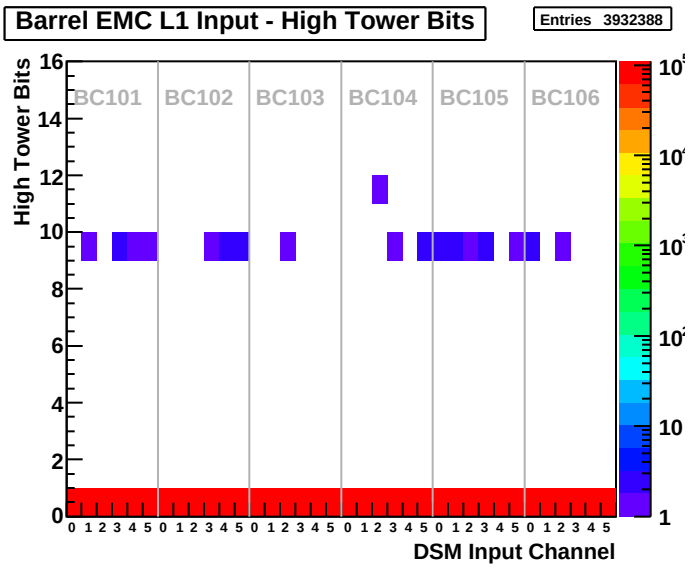

Hybrid Jet Patches
Entries 218466
JP ADC
JP ID

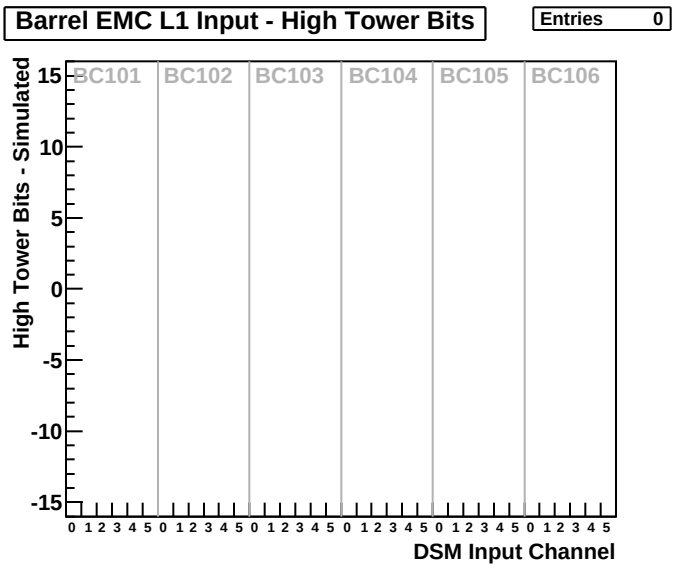

Barrel EMC L1 Input - Low Eta Sum
Entries 3932388
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

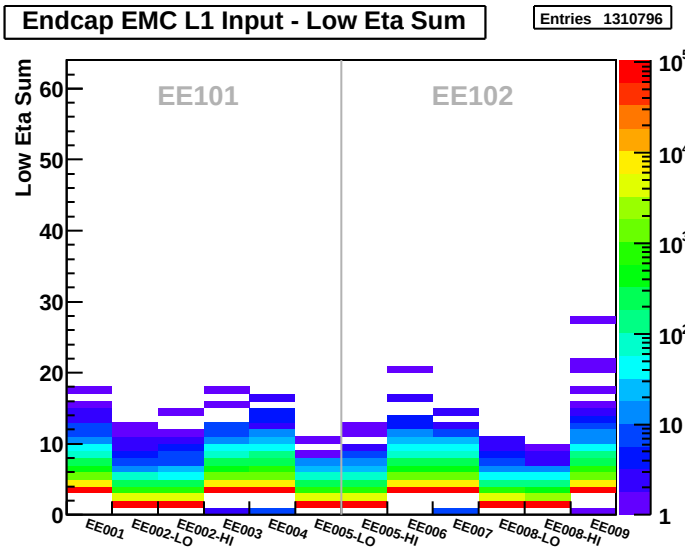

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

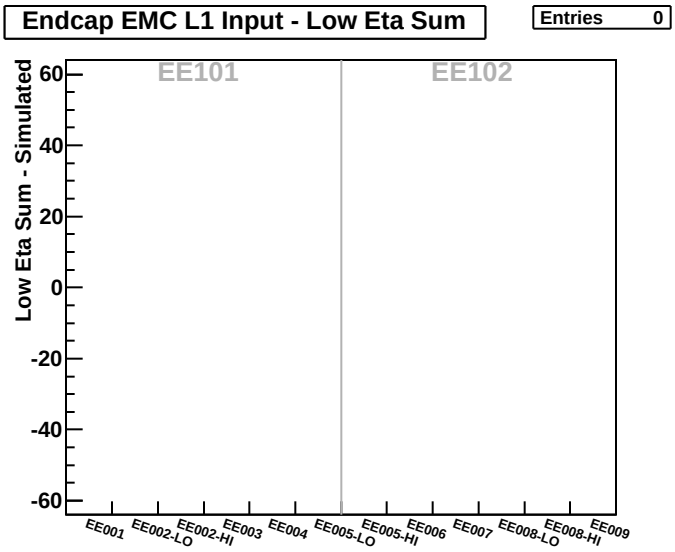

Barrel EMC L1 Input - High Eta Sum
Entries 3932388
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

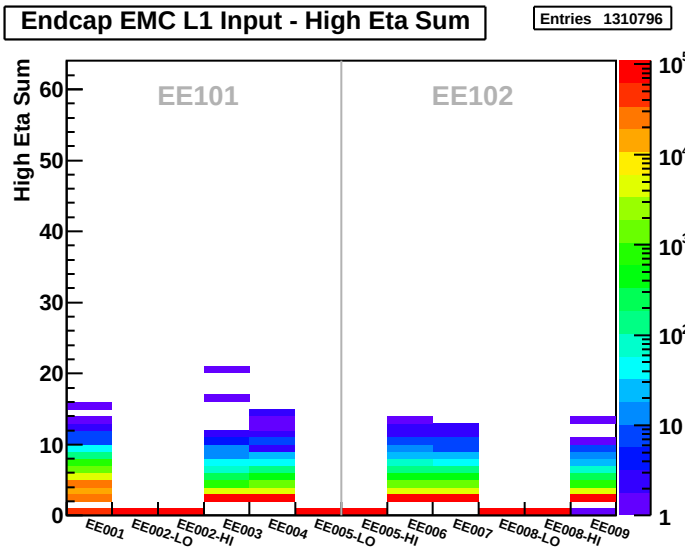

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

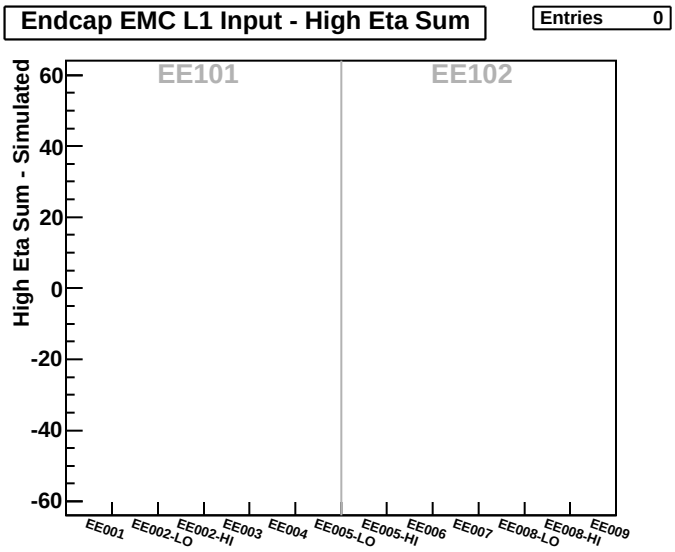

Barrel EMC L1 Input - High Tower Bits
Entries 3932388
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

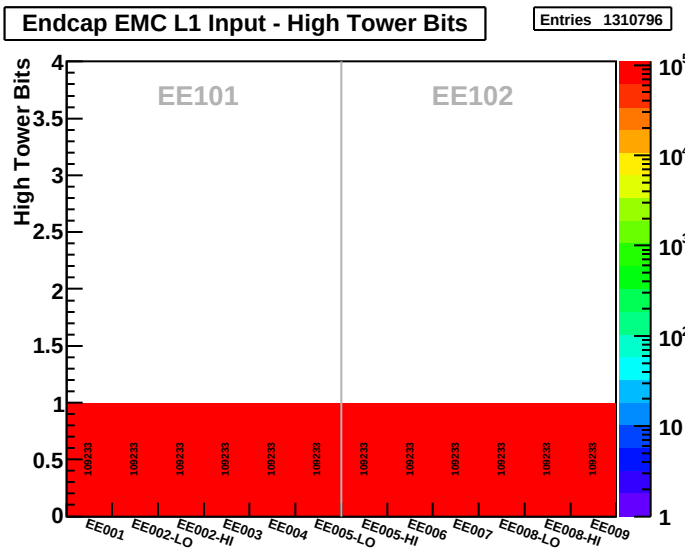

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

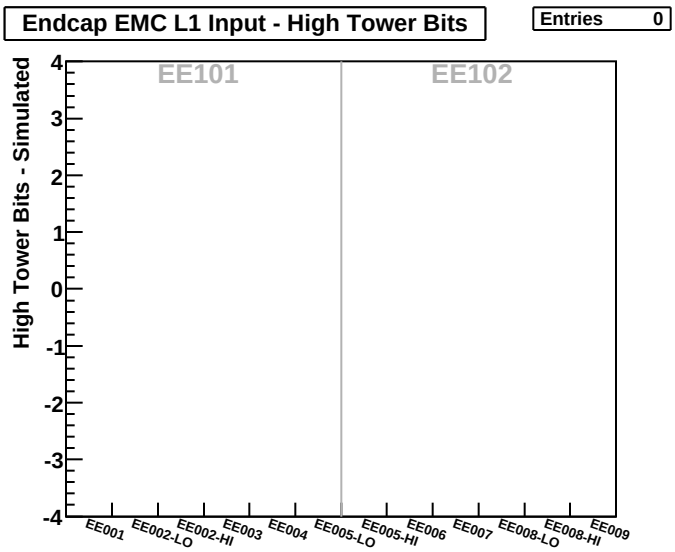

Endcap EMC L1 Input - Low Eta Sum
Entries 1310796
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

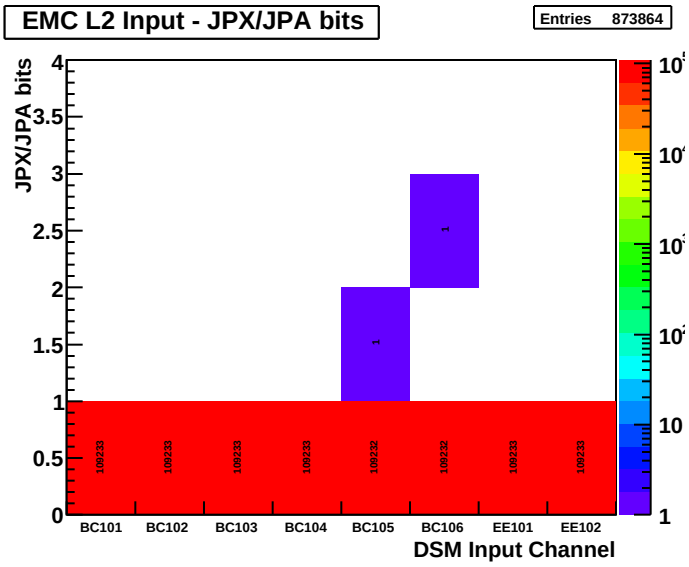

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

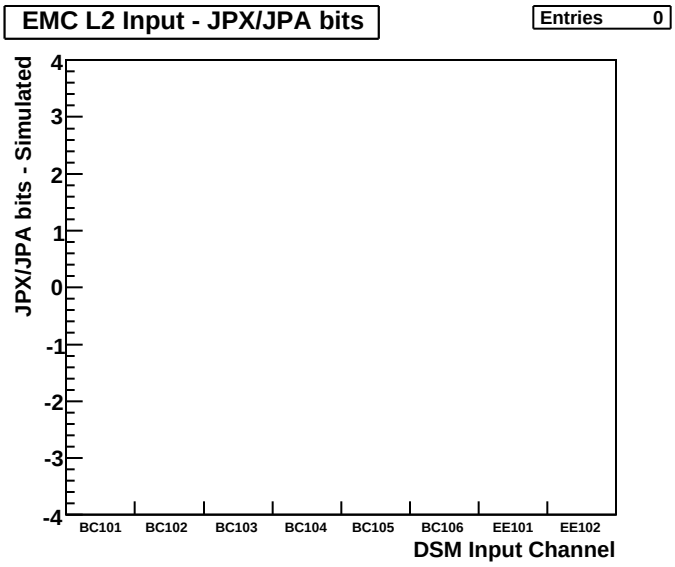

Endcap EMC L1 Input - High Eta Sum
Entries 1310796
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

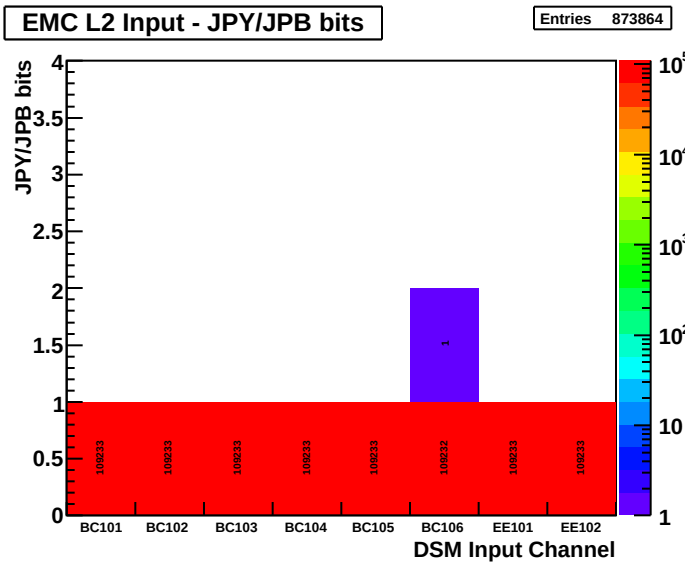

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

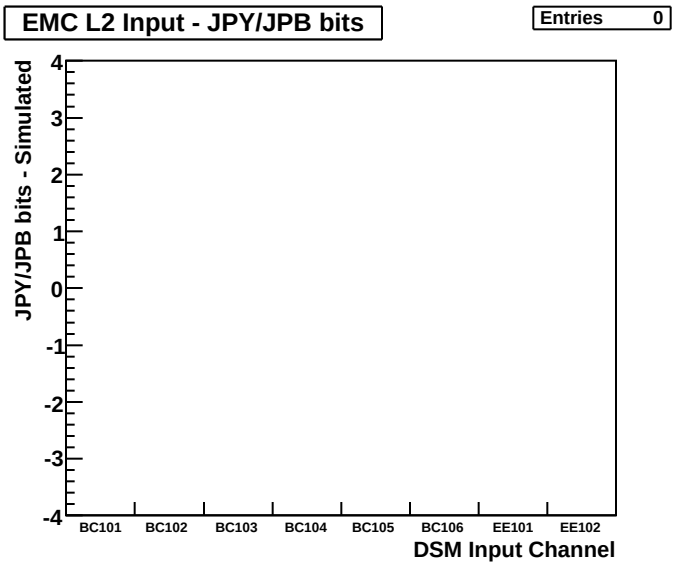

Endcap EMC L1 Input - High Tower Bits
Entries 1310796
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

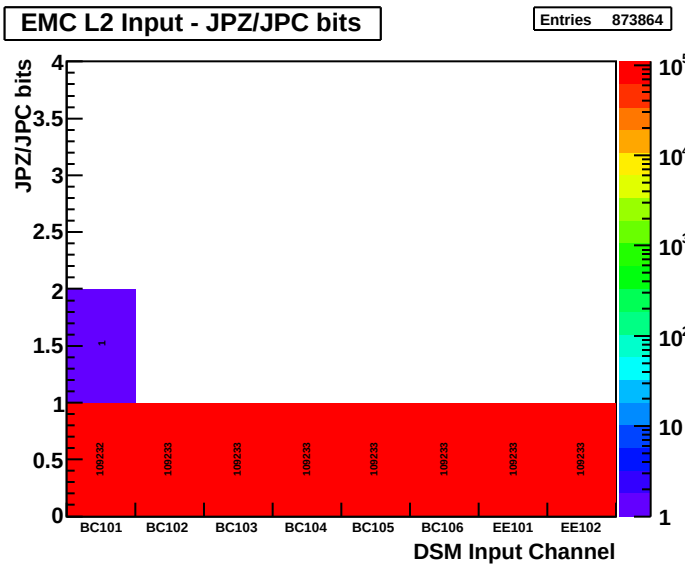

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

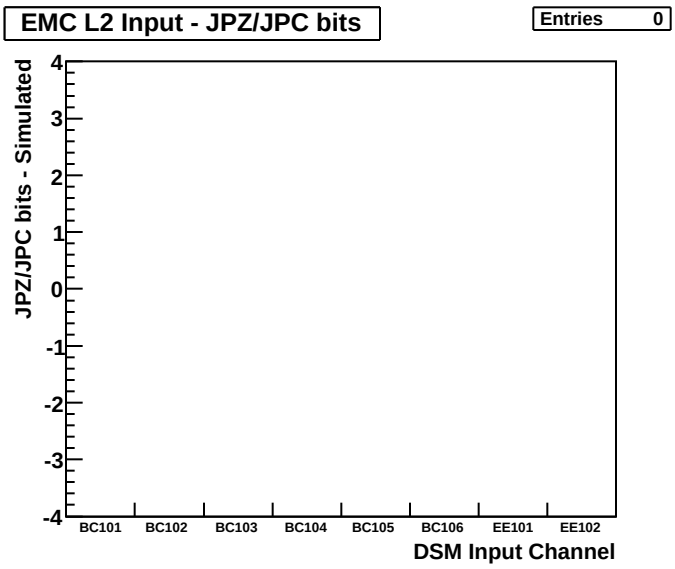

EMC L2 Input - JPX/JPA bits
Entries 873864
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

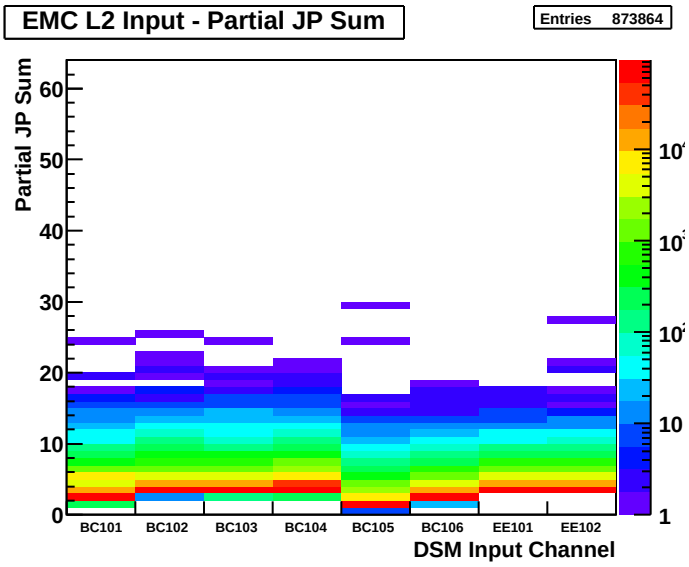

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

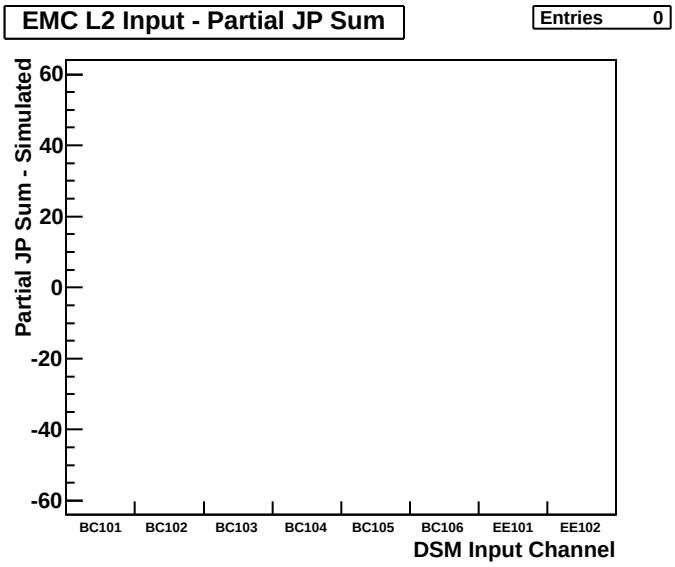

EMC L2 Input - JPY/JPB bits
Entries 873864
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

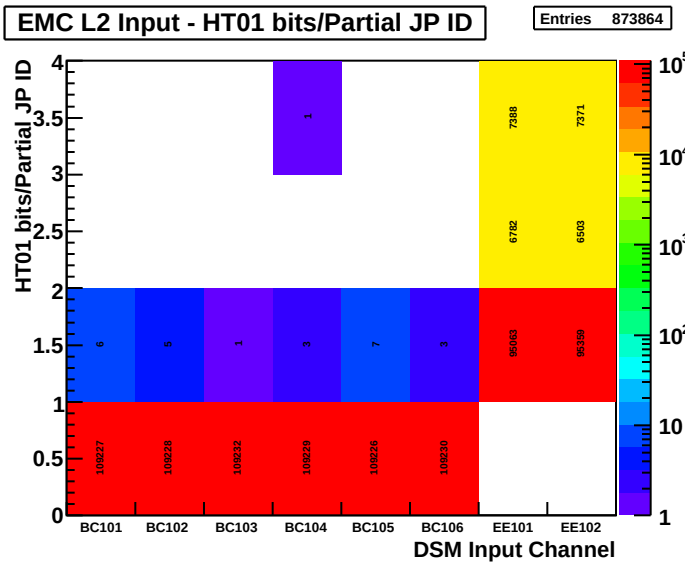

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

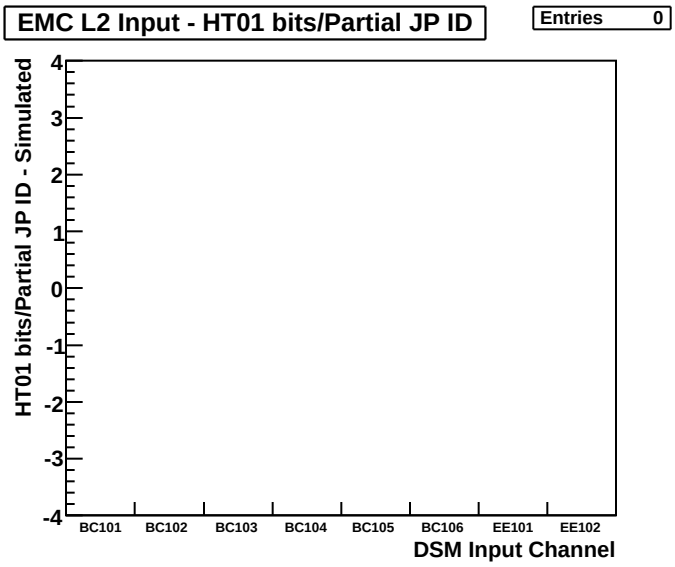

EMC L2 Input - JPZ/JPC bits
Entries 873864
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

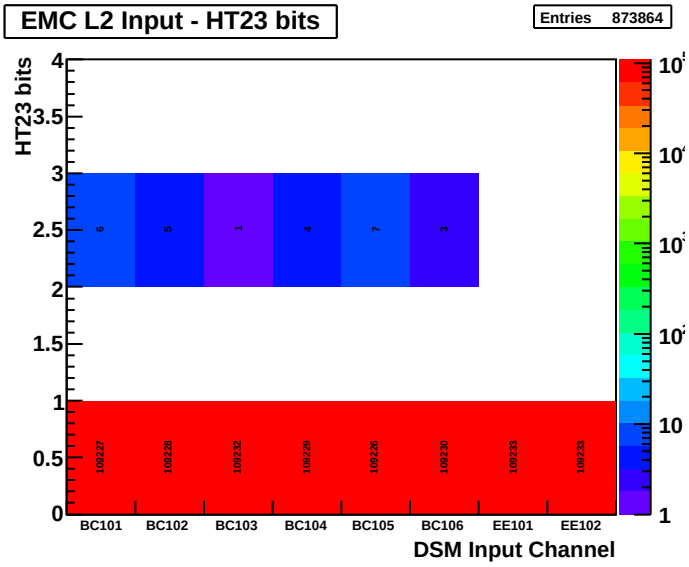

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

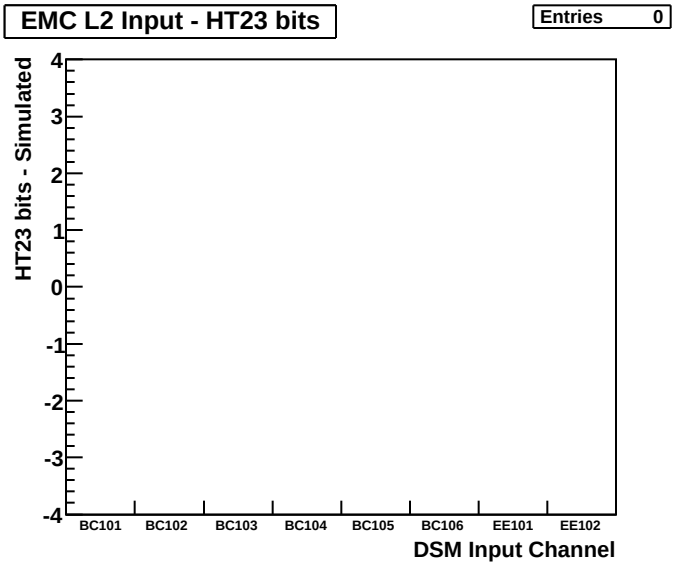

EMC L2 Input - Partial JP Sum
Entries 873864
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

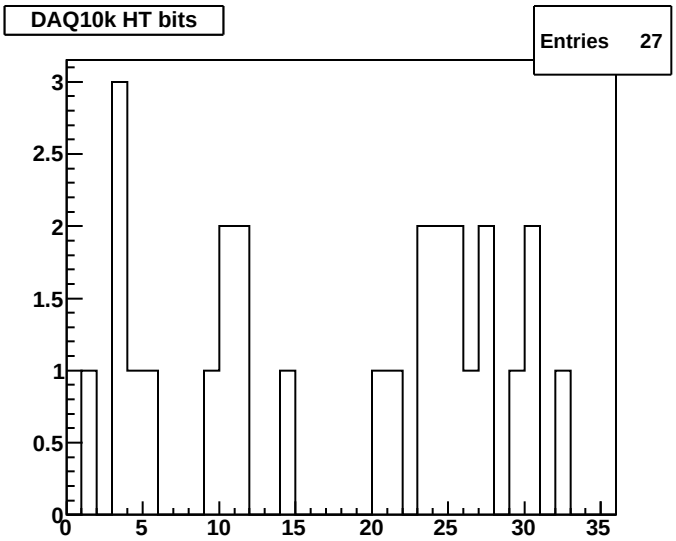

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

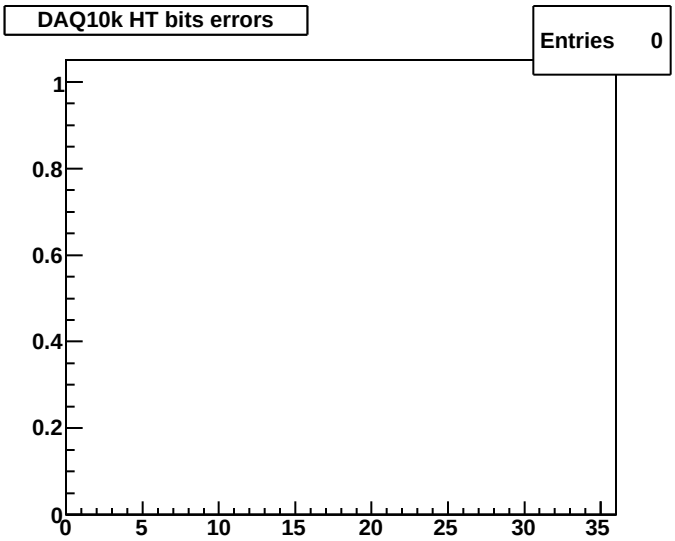

EMC L2 Input - HT01 bits/Partial JP ID
Entries 873864
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

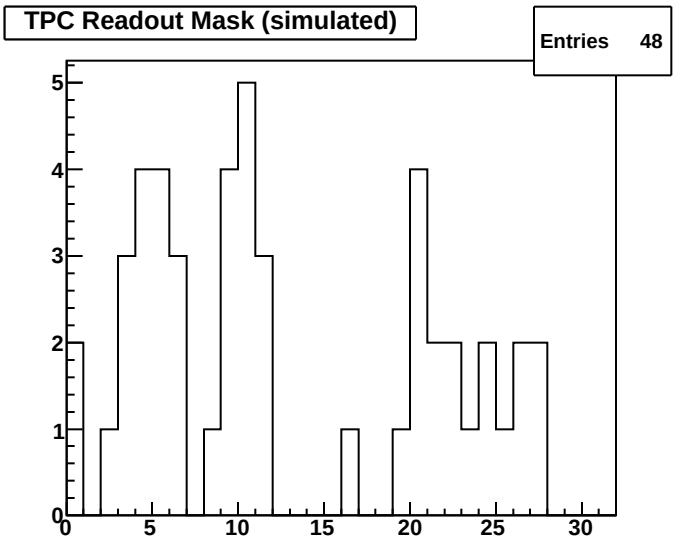

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

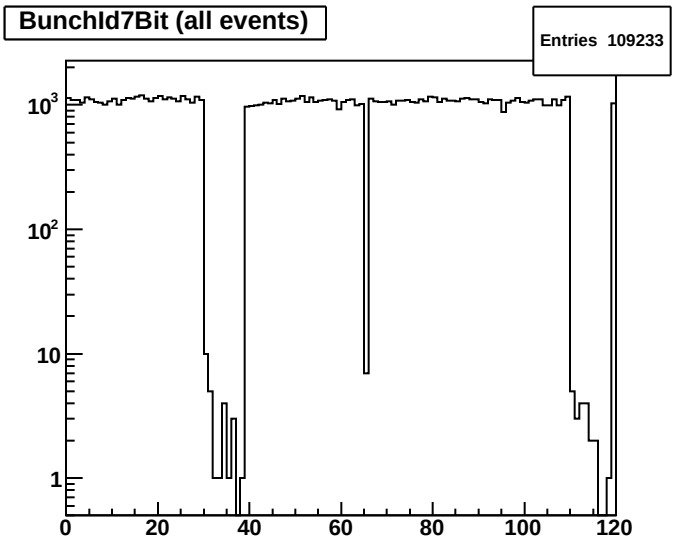

EMC L2 Input - HT23 bits
Entries 873864
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

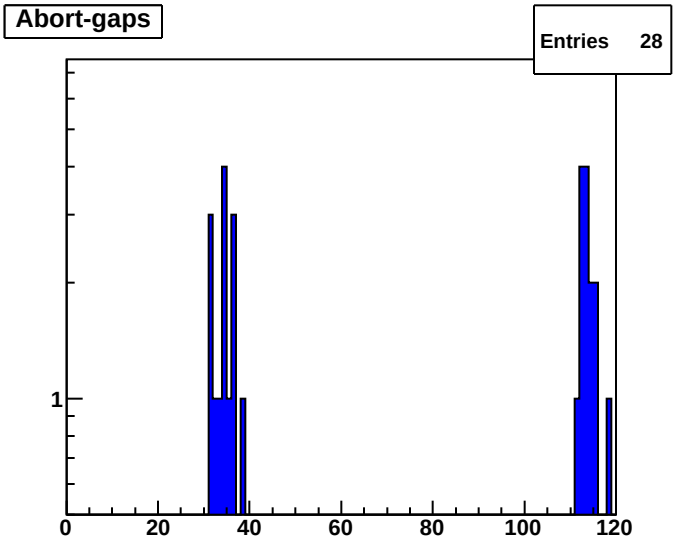

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

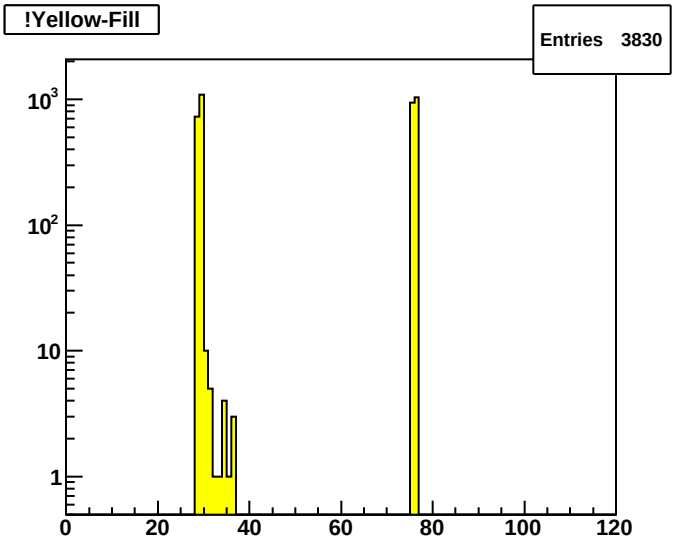

DAQ10k HT bits
Entries 27

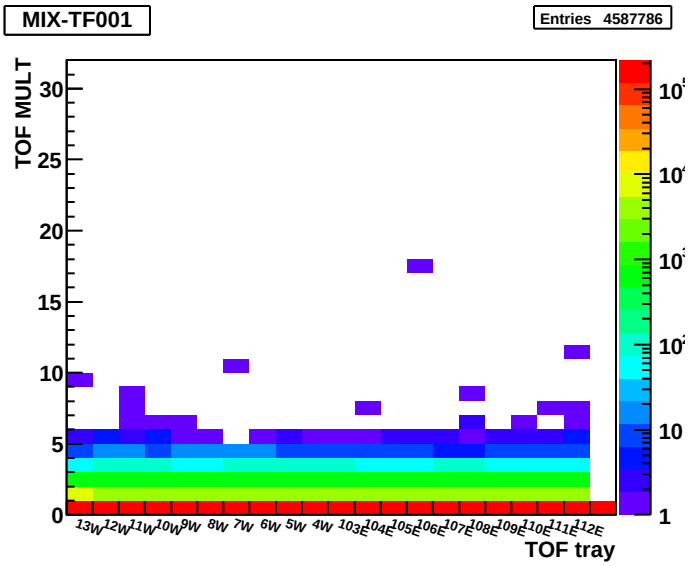

DAQ10k HT bits errors
Entries 0

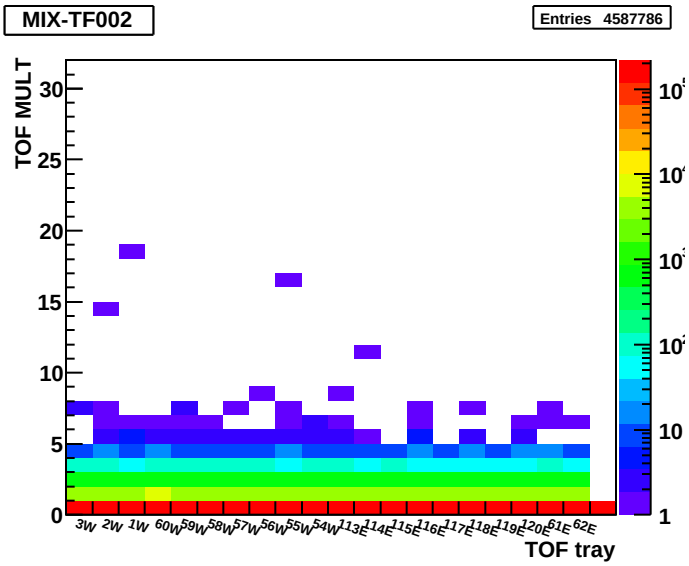

TPC Readout Mask (simulated)
Entries 48

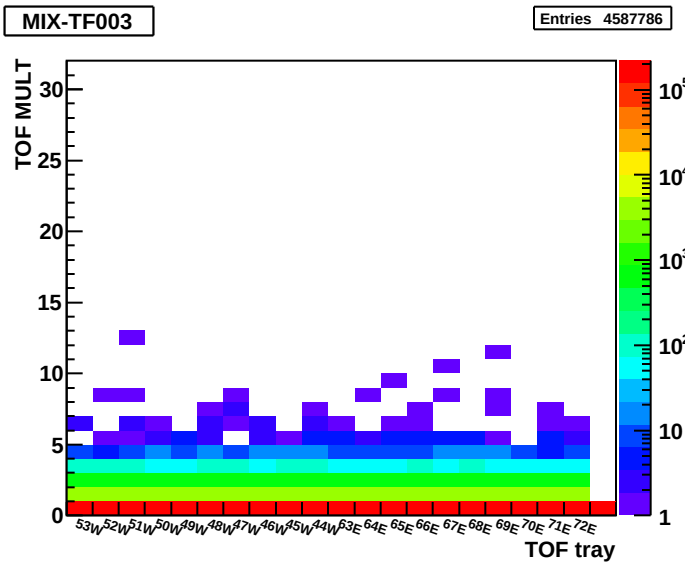

BunchId7Bit (all events)
Entries 109233

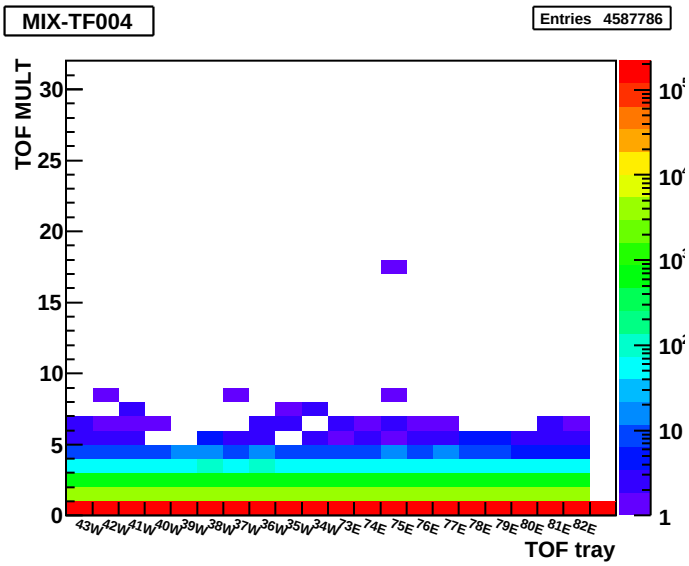

Abort-gaps
Entries 28

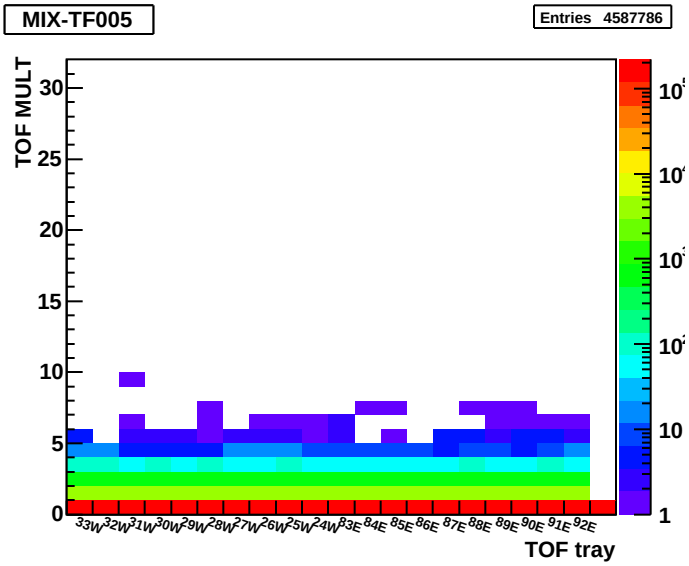

!Yellow-Fill
Entries 3830

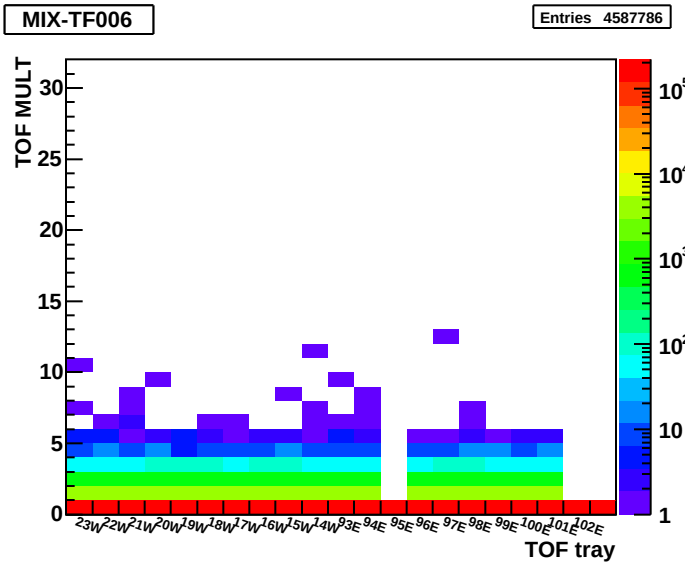

MIX-TF001
Entries 4587786
TOF MULT
TOF tray

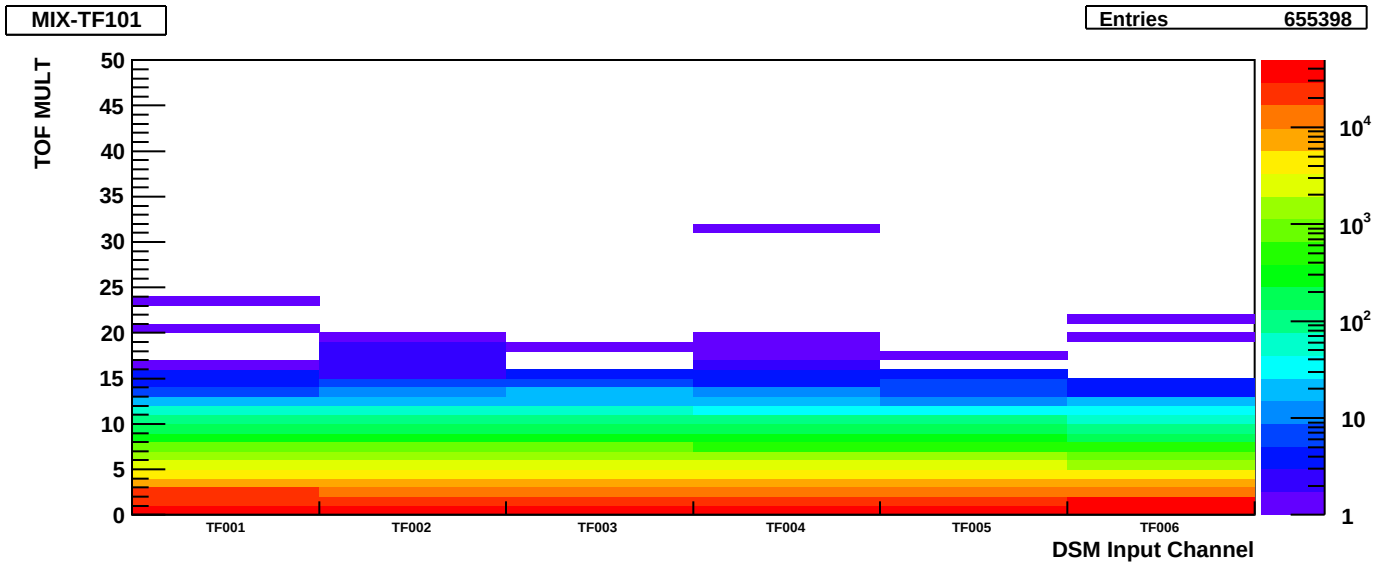

MIX-TF002
Entries 4587786
TOF MULT
TOF tray

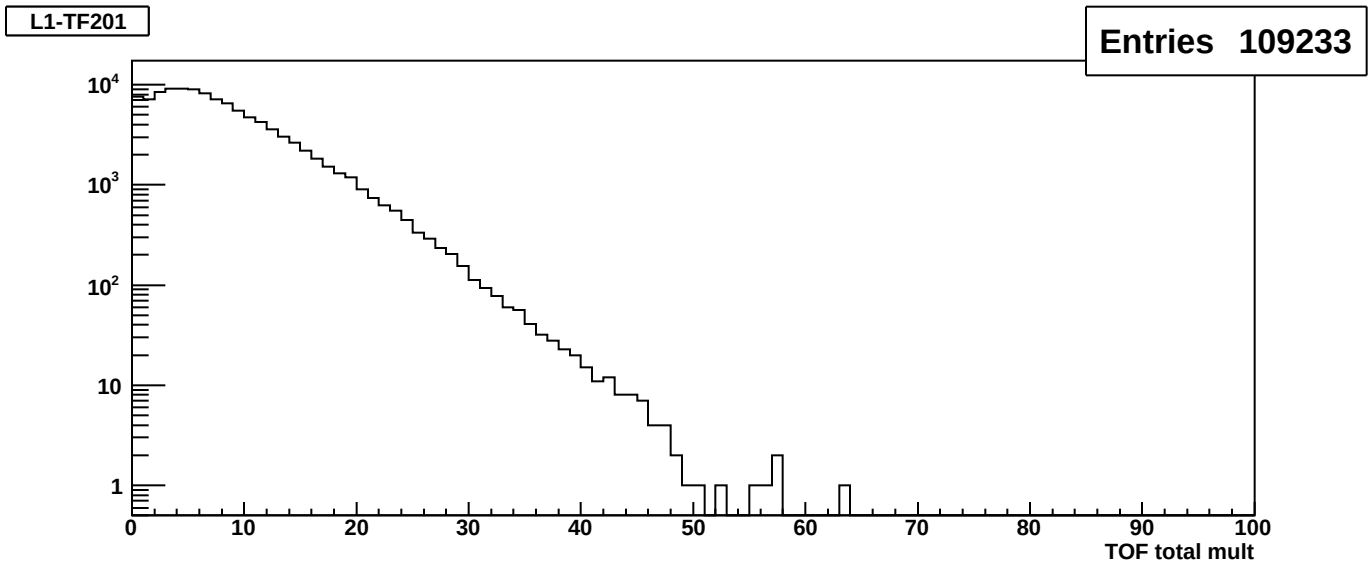

MIX-TF003
Entries 4587786
TOF MULT
TOF tray

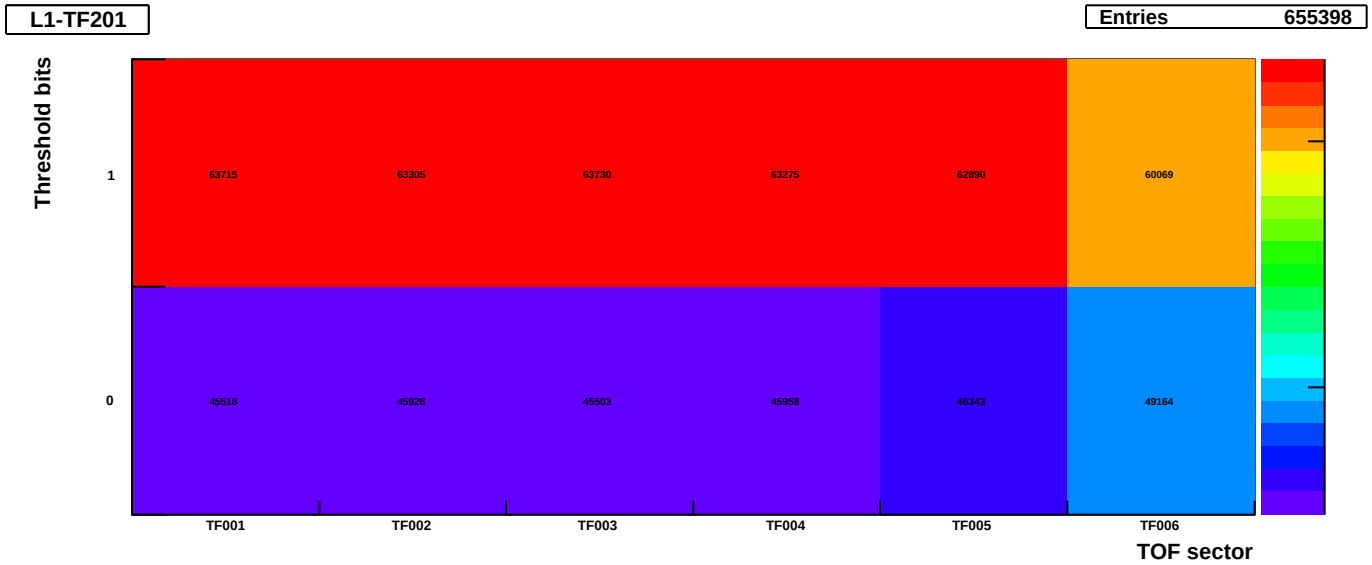

MIX-TF004
Entries 4587786
TOF MULT
TOF tray

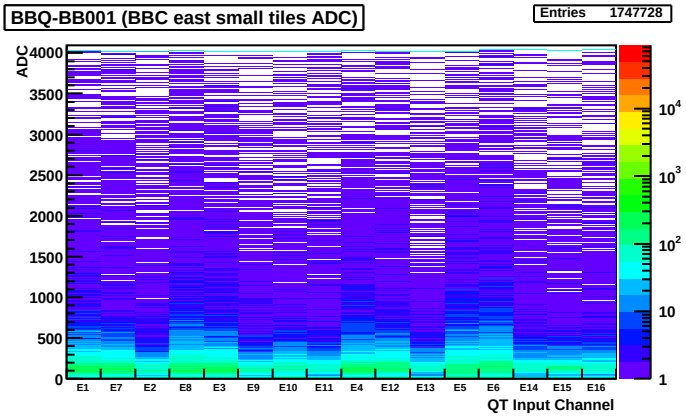

MIX-TF005
Entries 4587786
TOF MULT
TOF tray

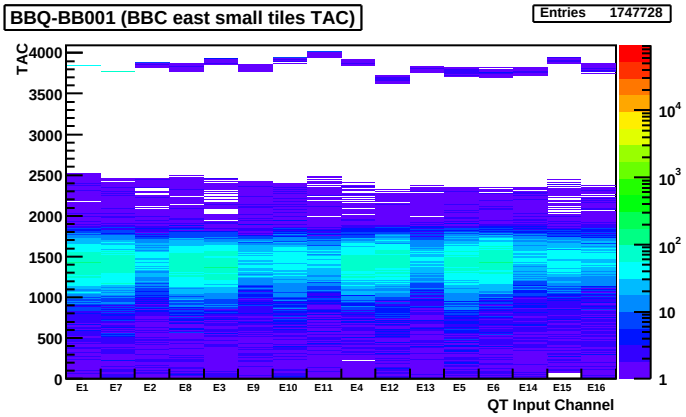

MIX-TF006
Entries 4587786
TOF MULT
TOF tray

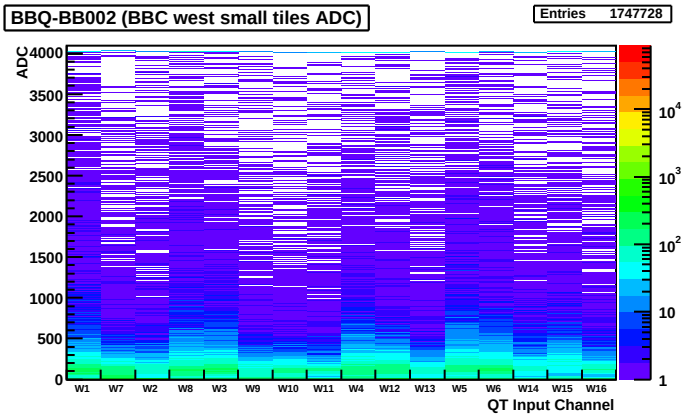

MIX-TF101
Entries 655398
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

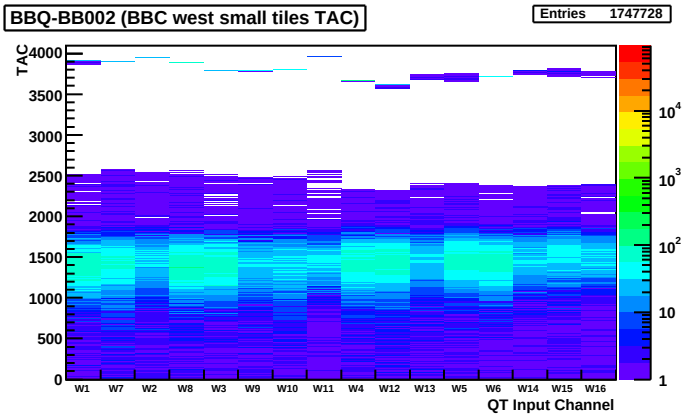

L1-TF201
Entries 109233
TOF total mult

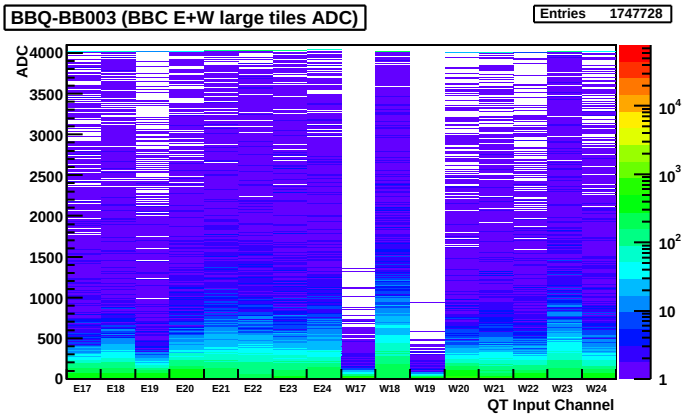

L1-TF201
Entries 655398
Threshold bits
63715
63305
63730
63275
62890
60069
45518
45928
45503
45958
46343
49164
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

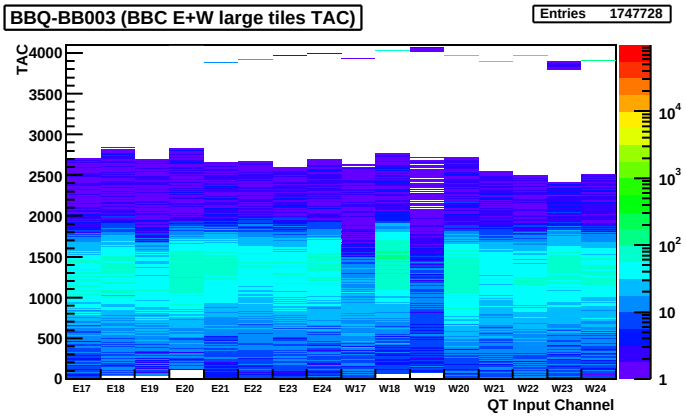

BBQ-BB001 (BBC east small tiles ADC)
Entries 1747728
ADC
QT Input Channel

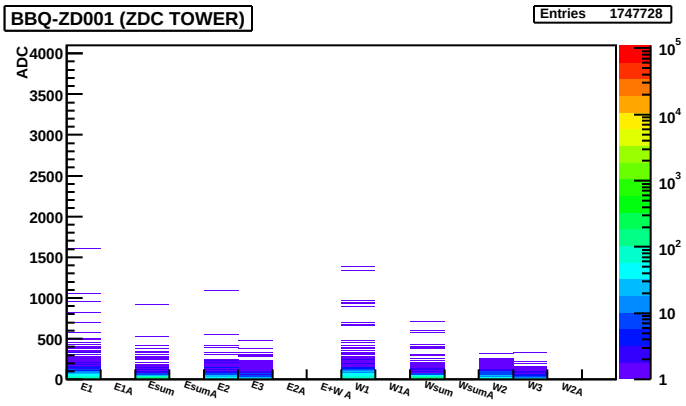

BBQ-BB001 (BBC east small tiles TAC)
Entries 1747728
TAC
QT Input Channel

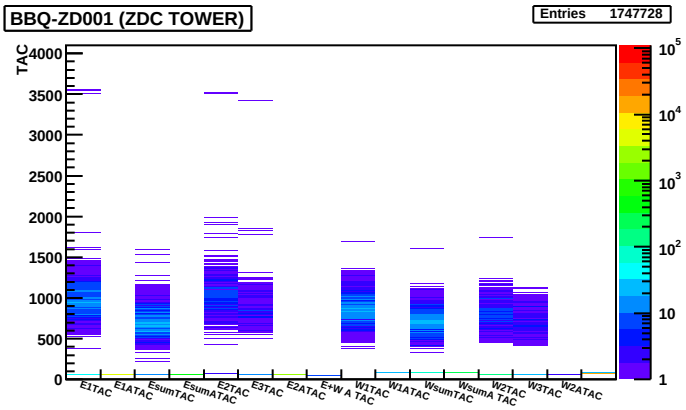

BBQ-BB002 (BBC west small tiles ADC)
Entries 1747728
ADC
QT Input Channel

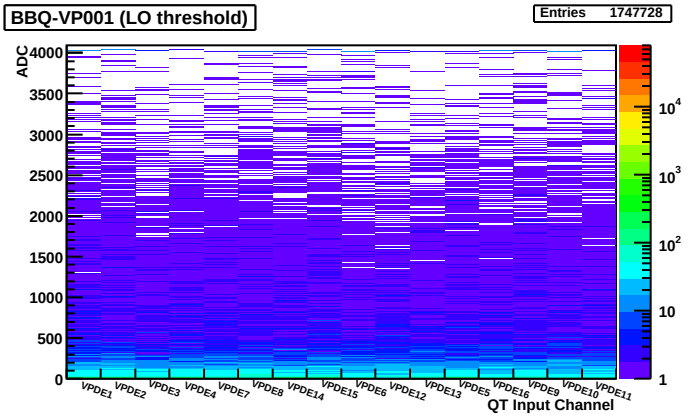

BBQ-BB002 (BBC west small tiles TAC)
Entries 1747728
TAC
QT Input Channel

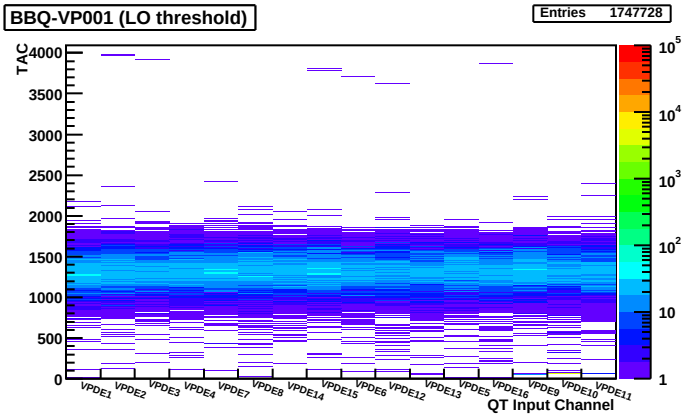

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1747728
ADC
QT Input Channel

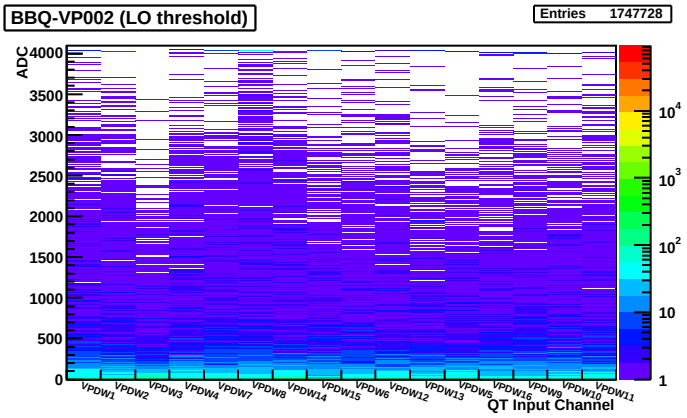

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1747728
TAC
QT Input Channel

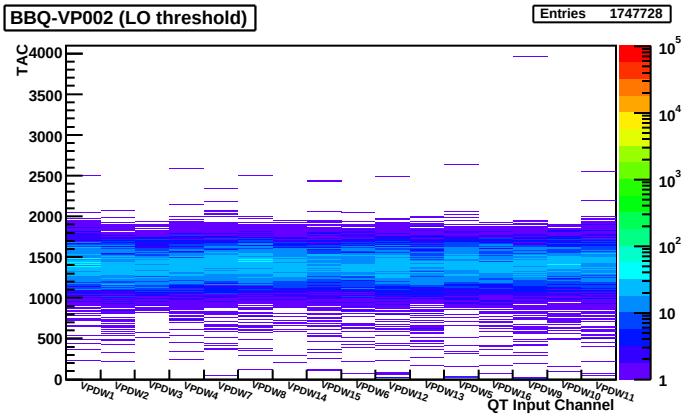

BBQ-ZD001 (ZDC TOWER)
Entries 1747728
ADC

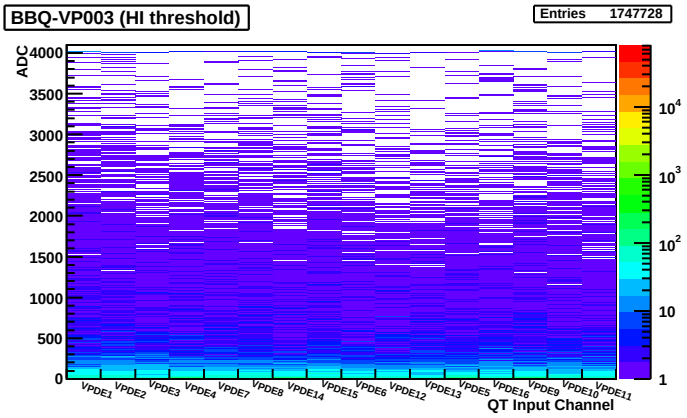

BBQ-ZD001 (ZDC TOWER)
Entries 1747728
TAC

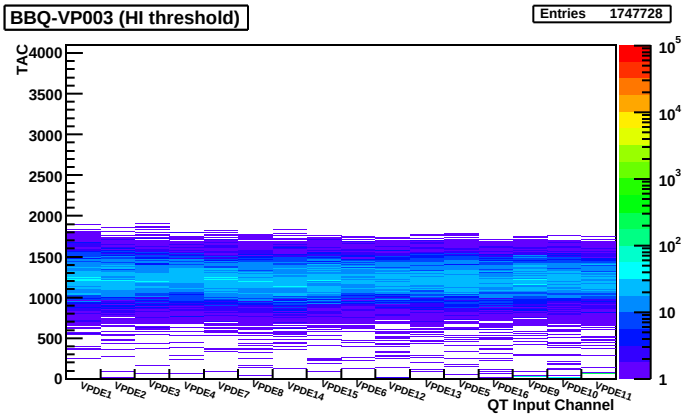

BBQ-VP001 (LO threshold)
Entries 1747728
ADC
QT Input Channel

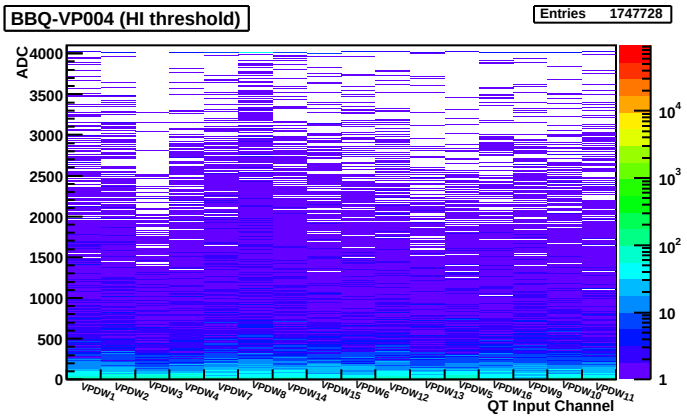

BBQ-VP001 (LO threshold)
Entries 1747728
TAC
QT Input Channel

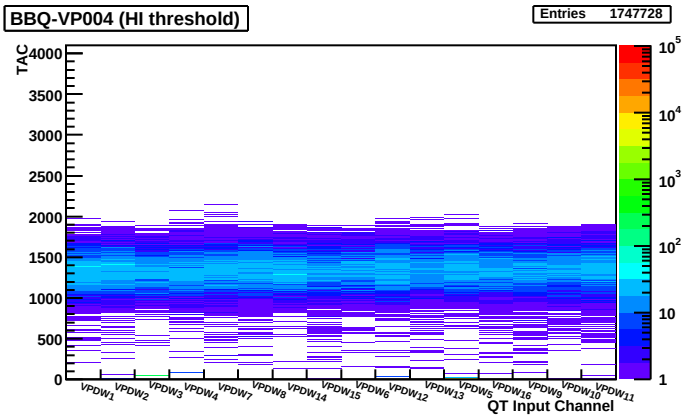

BBQ-VP002 (LO threshold)
Entries 1747728
ADC
QT Input Channel

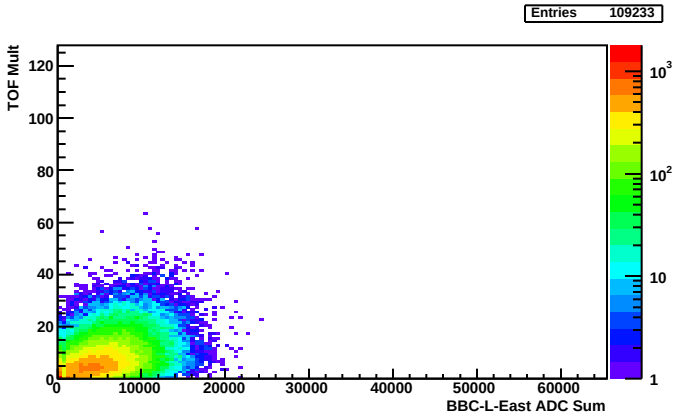

BBQ-VP002 (LO threshold)
Entries 1747728
TAC
QT Input Channel

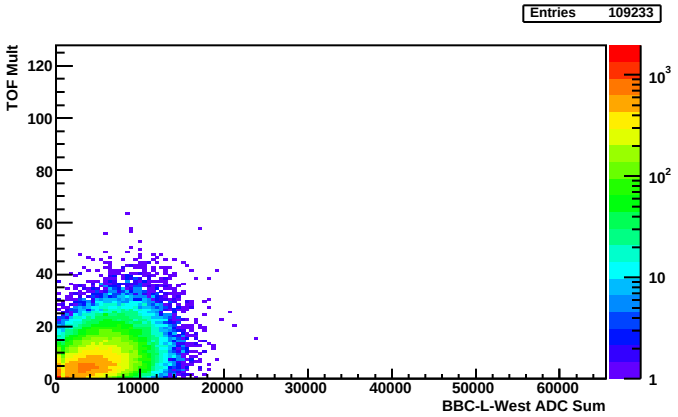

BBQ-VP003 (HI threshold)
Entries 1747728
ADC
QT Input Channel

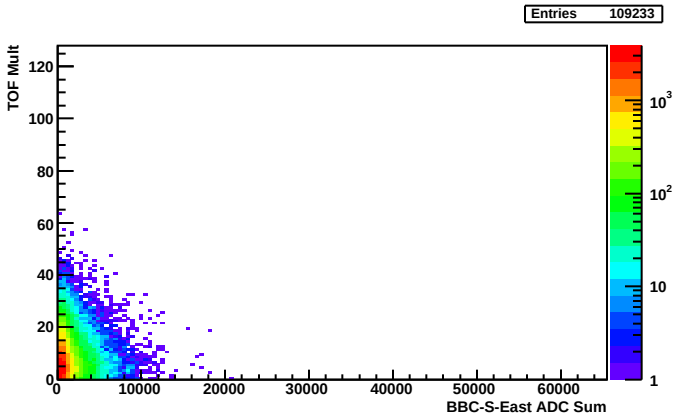

BBQ-VP003 (HI threshold)
Entries 1747728
TAC
QT Input Channel

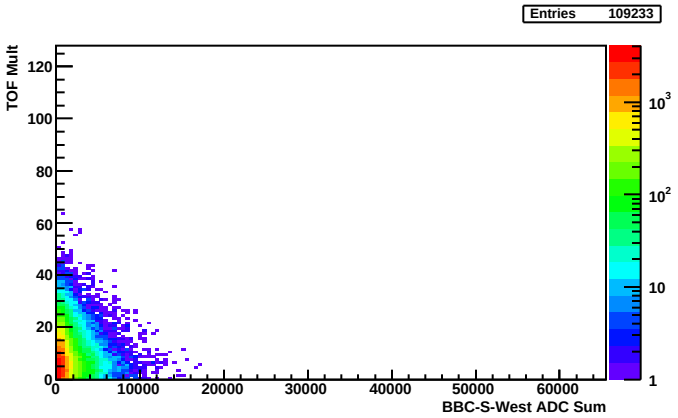

BBQ-VP004 (HI threshold)
Entries 1747728
ADC
QT Input Channel

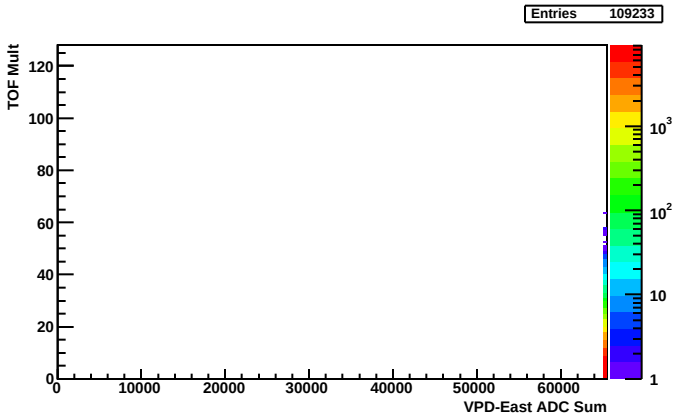

BBQ-VP004 (HI threshold)
Entries 1747728
TAC
QT Input Channel

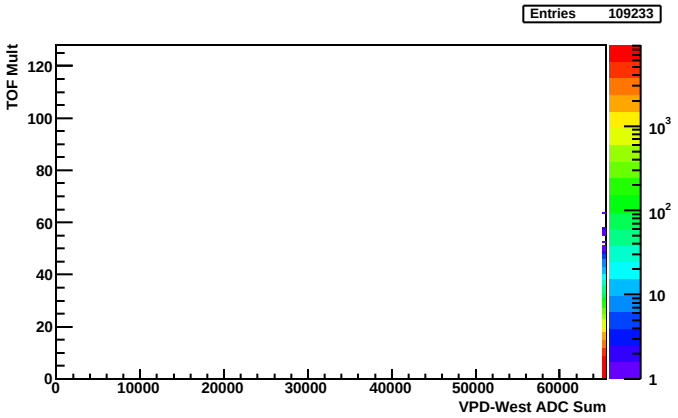

Entries 109233
TOF Mult
BBC-L-East ADC Sum

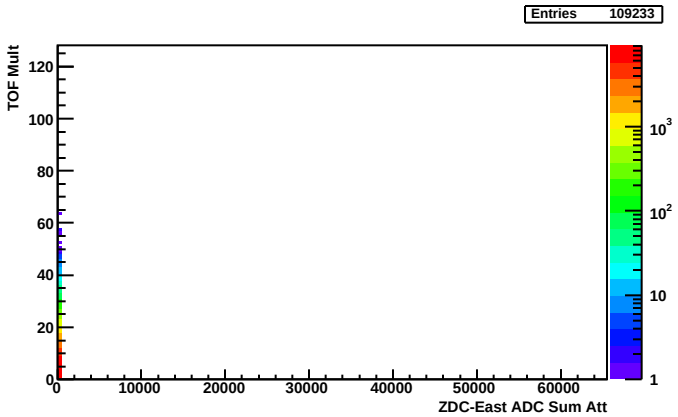

Entries 109233
TOF Mult
BBC-L-West ADC Sum

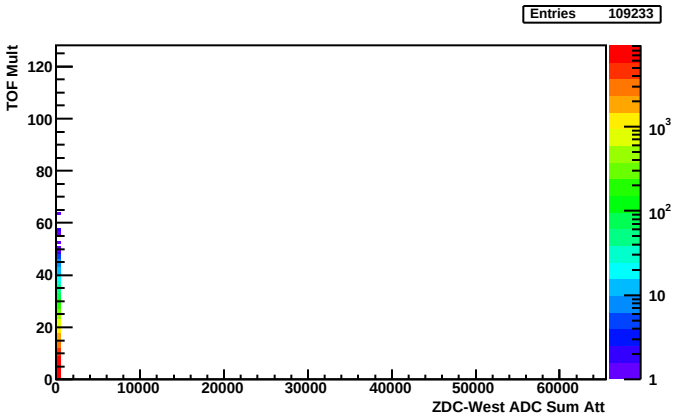

Entries 109233
TOF Mult
BBC-S-East ADC Sum

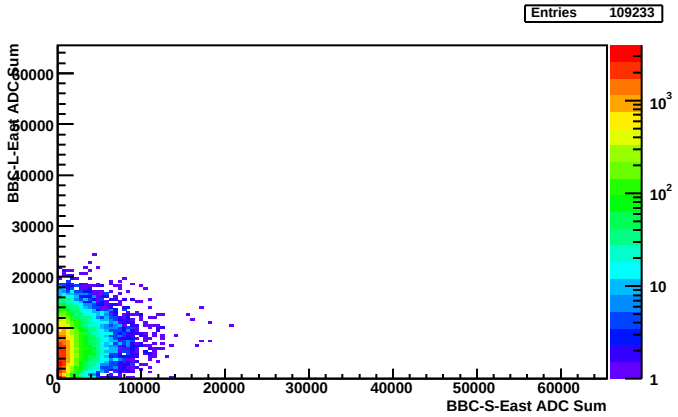

Entries 109233
TOF Mult
BBC-S-West ADC Sum

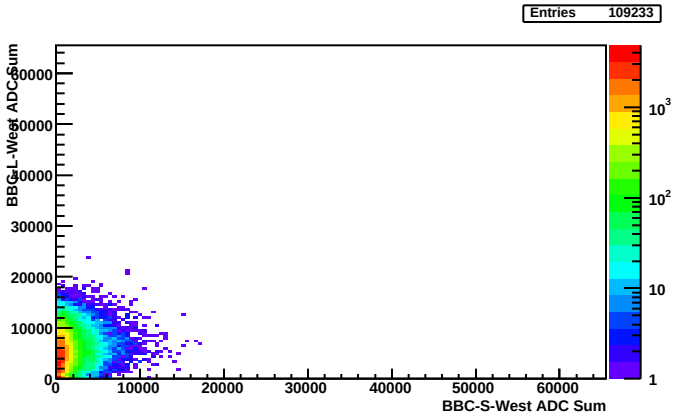

Entries 109233
TOF Mult
VPD-East ADC Sum

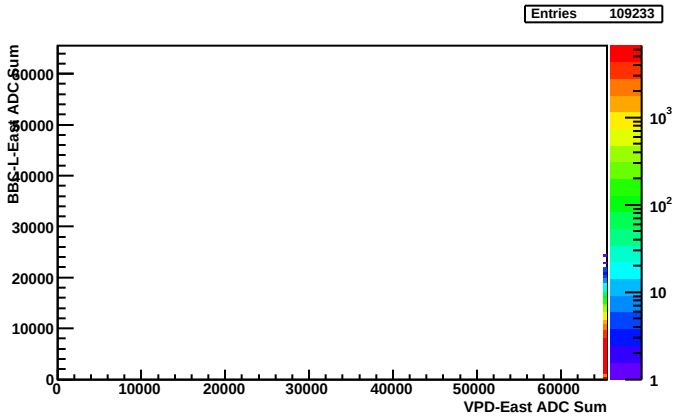

Entries 109233
TOF Mult
VPD-West ADC Sum

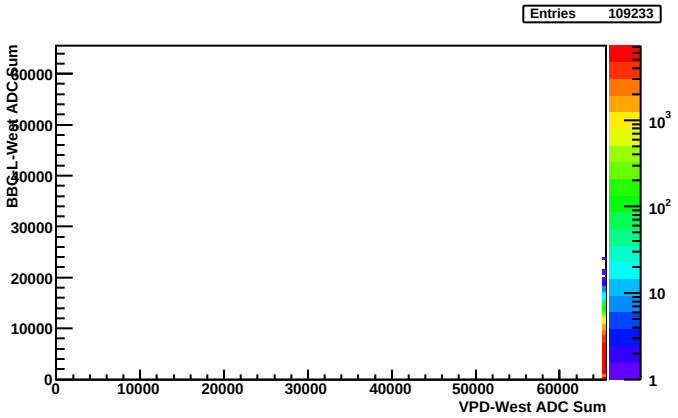

Entries 109233
TOF Mult
ZDC-East ADC Sum Att

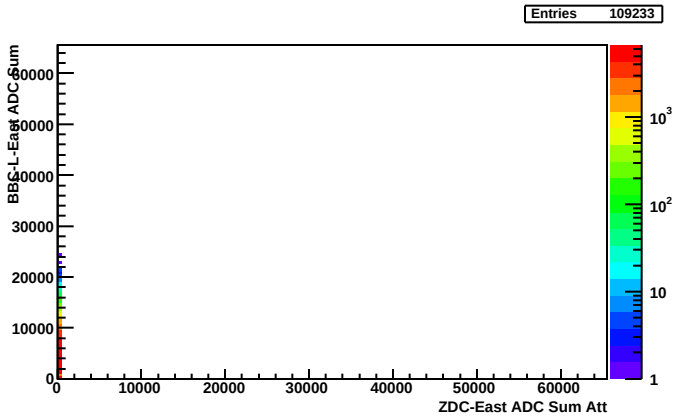

Entries 109233
TOF Mult
ZDC-West ADC Sum Att

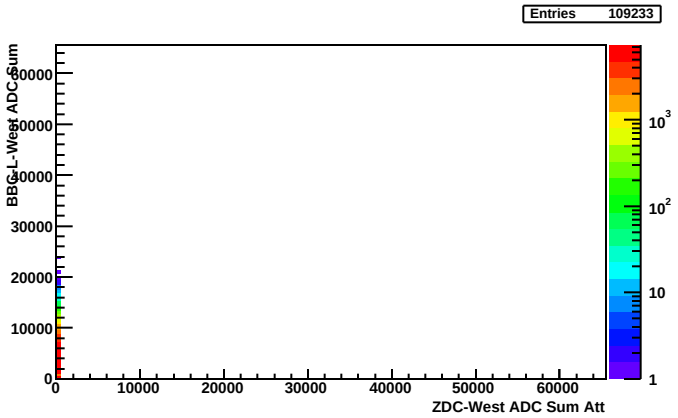

Entries 109233
BBC-L-East ADC Sum
BBC-S-East ADC Sum

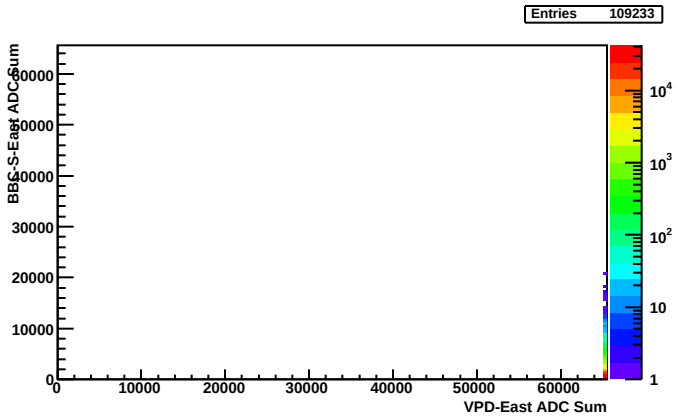

Entries 109233
BBC-L-West ADC Sum
BBC-S-West ADC Sum

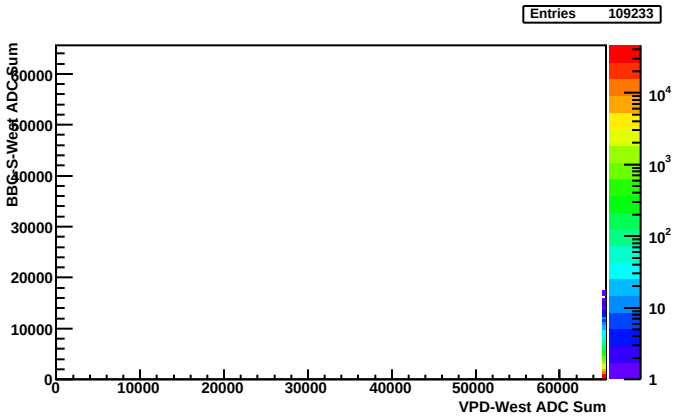

Entries 109233
BBC-L-East ADC Sum
VPD-East ADC Sum

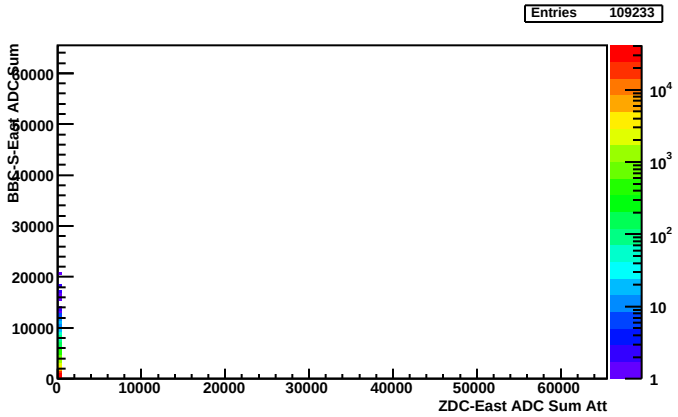

Entries 109233
BBC-L-West ADC Sum
VPD-West ADC Sum

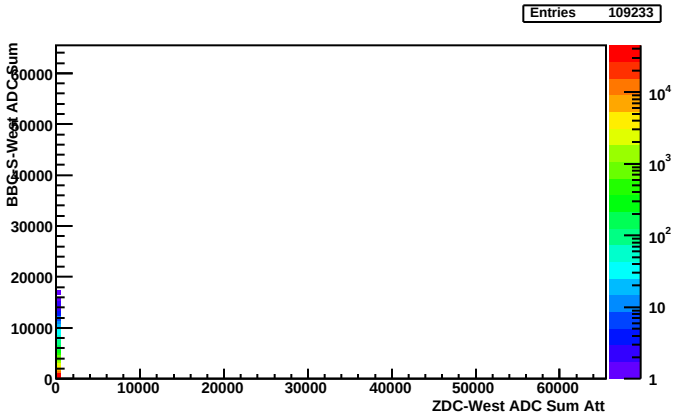

Entries 109233
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

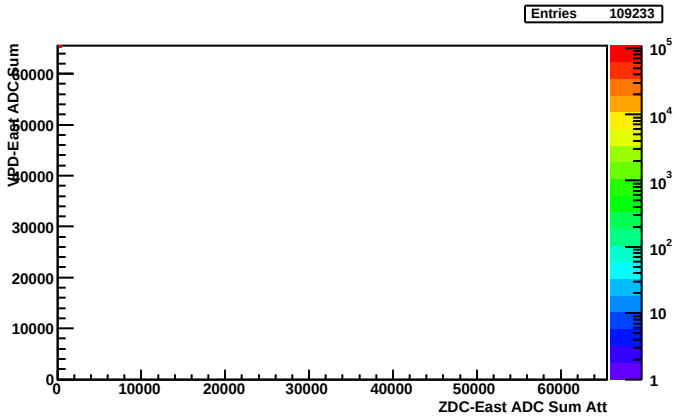

Entries 109233
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

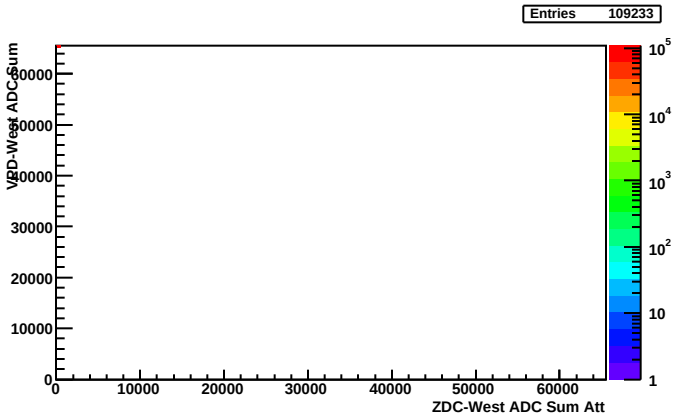

Entries 109233
BBC-S-East ADC Sum
VPD-East ADC Sum

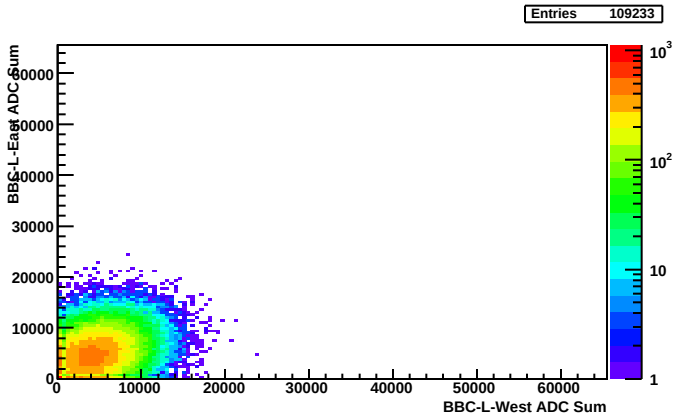

Entries 109233
BBC-S-West ADC Sum
VPD-West ADC Sum


Entries 109233
BBC-S-East ADC Sum
ZDC-East ADC Sum Att


Entries 109233
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 109233
VPD-East ADC Sum
ZDC-East ADC Sum Att


Entries 109233
VPD-West ADC Sum
ZDC-West ADC Sum Att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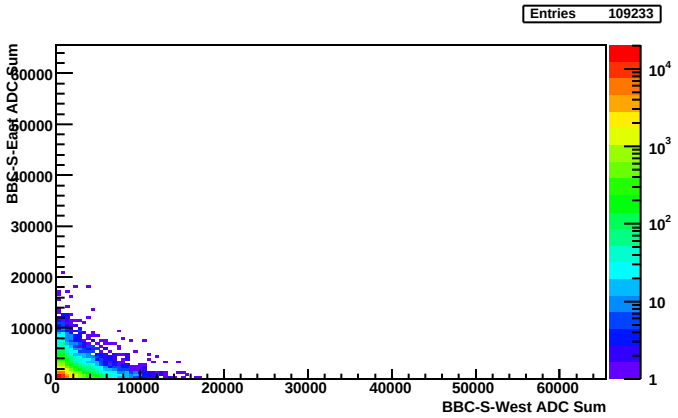
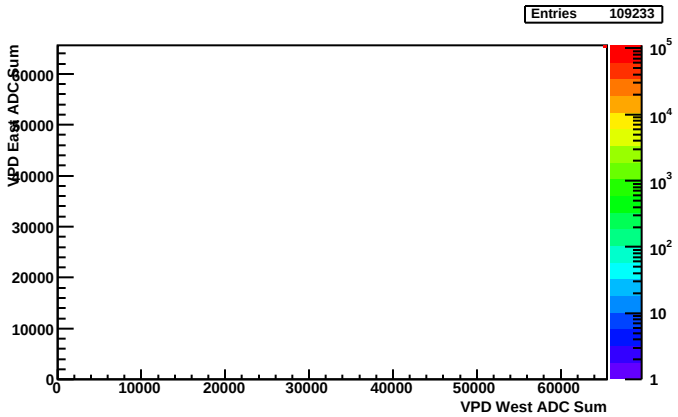
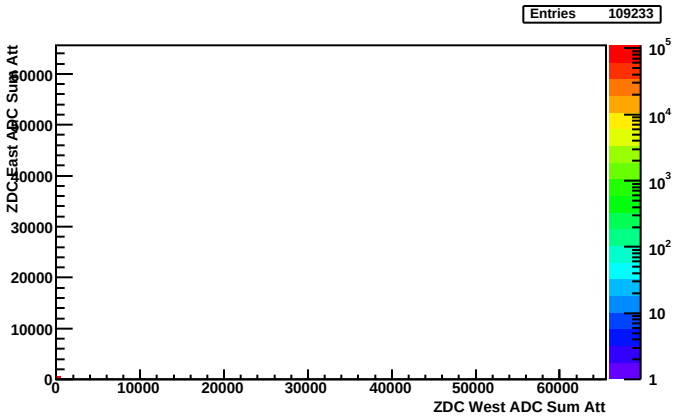
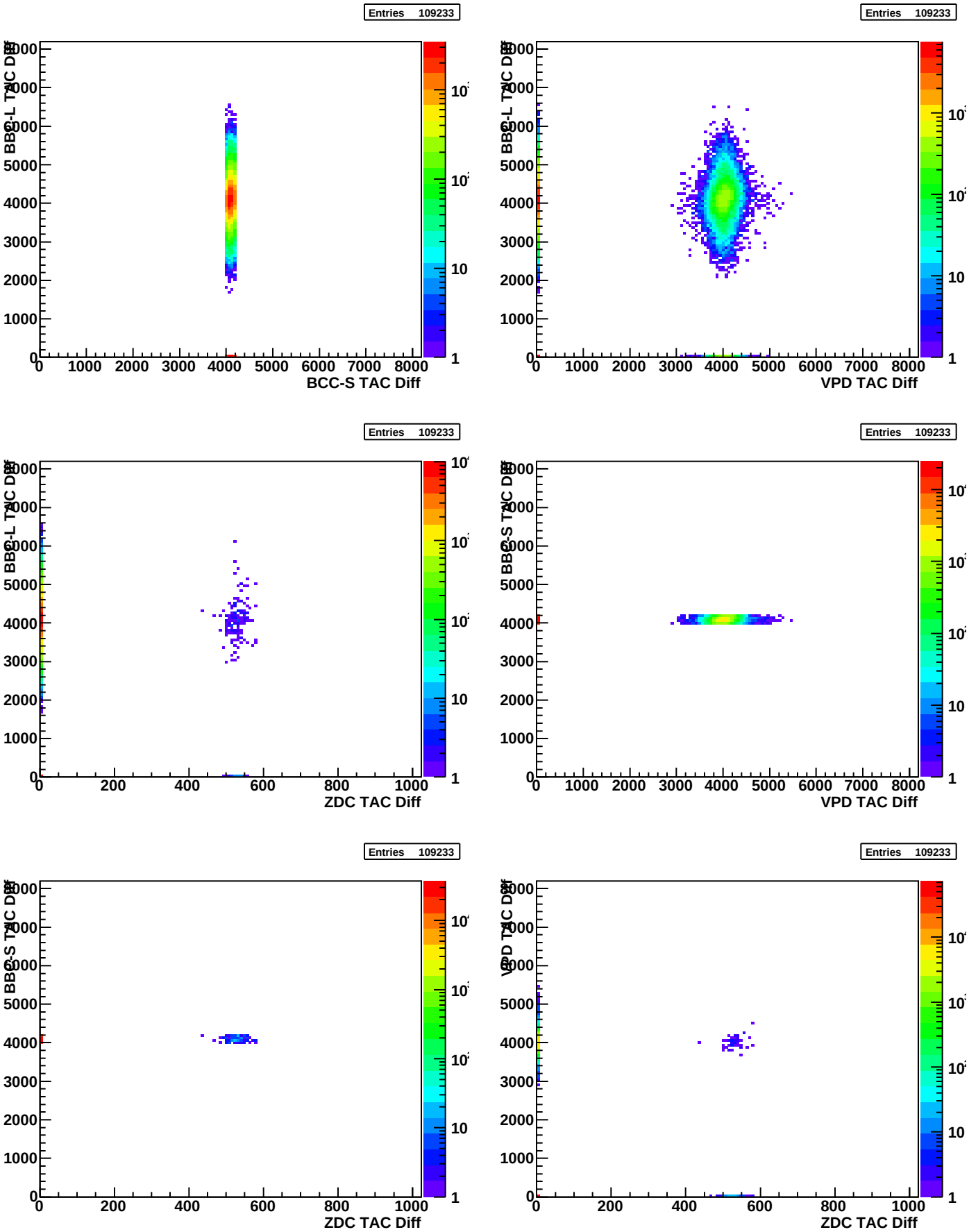
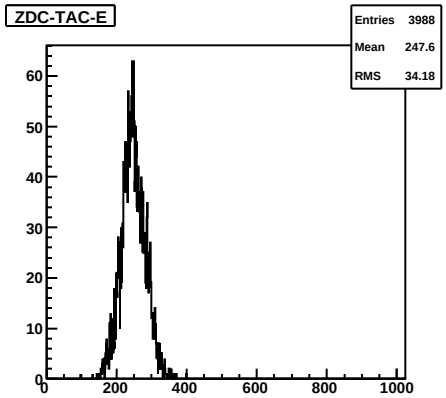
BBC-L-East ADC Sum
BBC-L-West ADC Sum

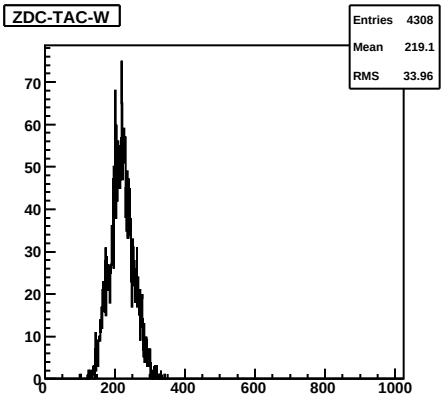

Entries 109233
BBC-S-East ADC Sum
BBC-S-West ADC Sum

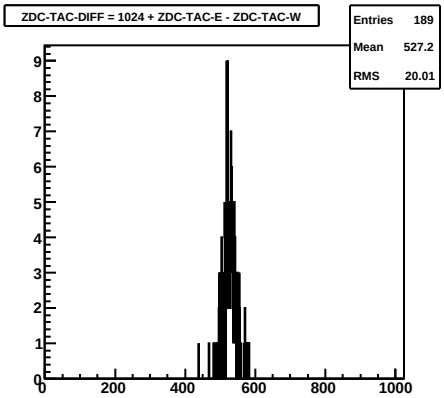

Entries 109233
VPD East ADC Sum
VPD West ADC Sum

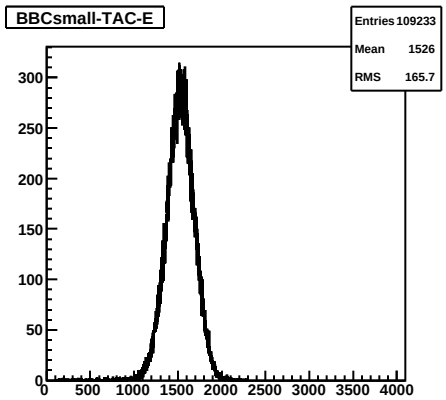

Entries 109233
ZDC East ADC Sum Att
ZDC West ADC Sum Att

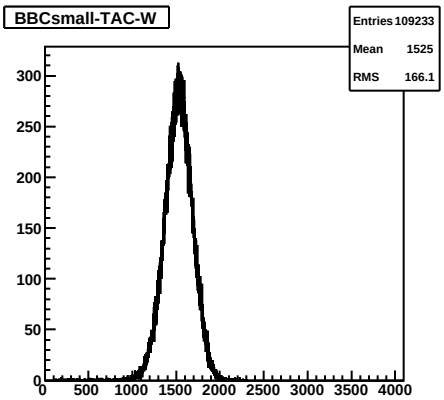

Entries 109233
BBC-L TAC Diff
BCC-S TAC Diff
Entries 109233
BBC-L TAC Diff
VPD TAC Diff
Entries 109233
BBC-L TAC Diff
ZDC TAC Diff
Entries 109233
BBC-S TAC Diff
VPD TAC Diff
Entries 109233
BBC-S TAC Diff
ZDC TAC Diff
Entries 109233
VPD TAC Diff
ZDC TAC Diff

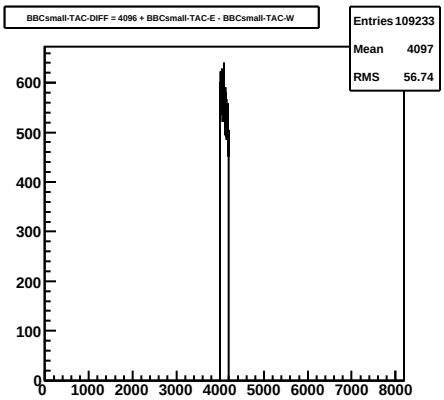

ZDC-TAC-E
Entries 3988
Mean 247.6
RMS 34.18

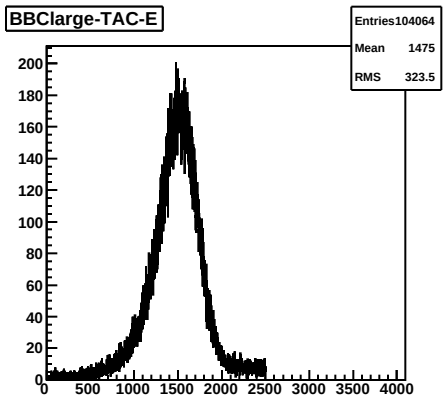

ZDC-TAC-W
Entries 4308
Mean 219.1
RMS 33.96

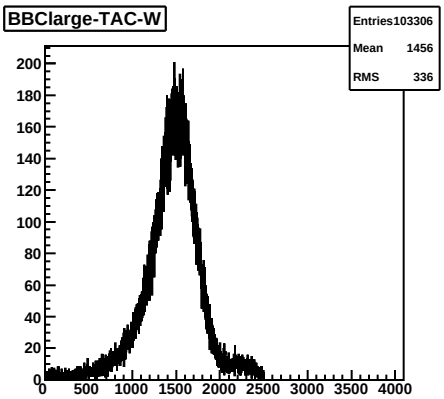

ZDC-TAC-DIFF = 1024 + ZDC-TAC-E - ZDC-TAC-W
Entries 189
Mean 527.2
RMS 20.01

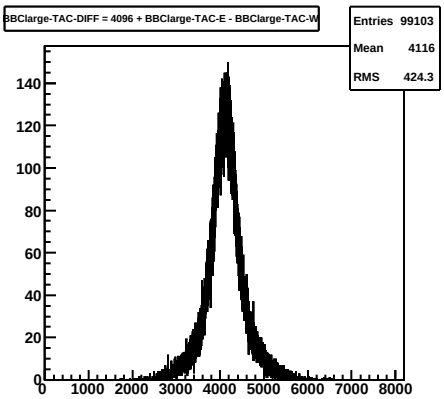

BBCsmall-TAC-E
Entries 109233
Mean 1526
RMS 165.7

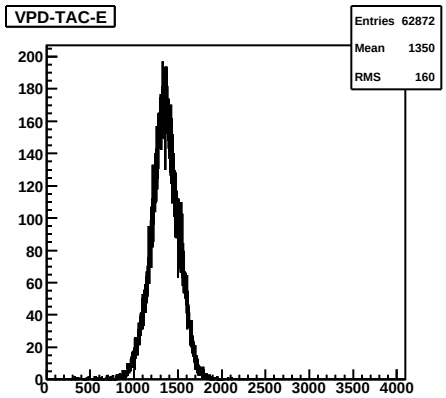

BBCsmall-TAC-W
Entries 109233
Mean 1525
RMS 166.1

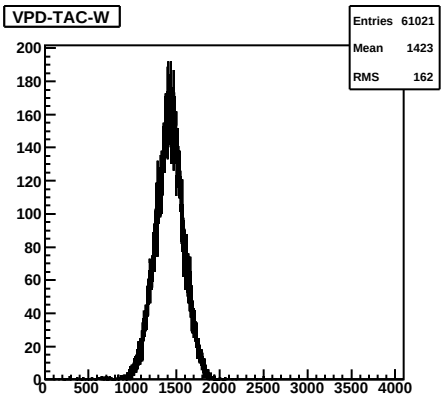

BBCsmall-TAC-DIFF = 4096 + BBCsmall-TAC-E - BBCsmall-TAC-W
Entries 109233
Mean 4097
RMS 56.74

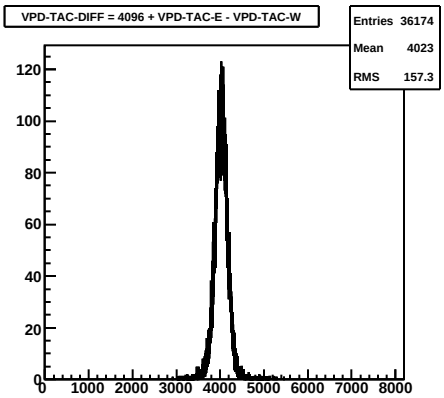

BBClarge-TAC-E
Entries 104064
Mean 1475
RMS 323.5

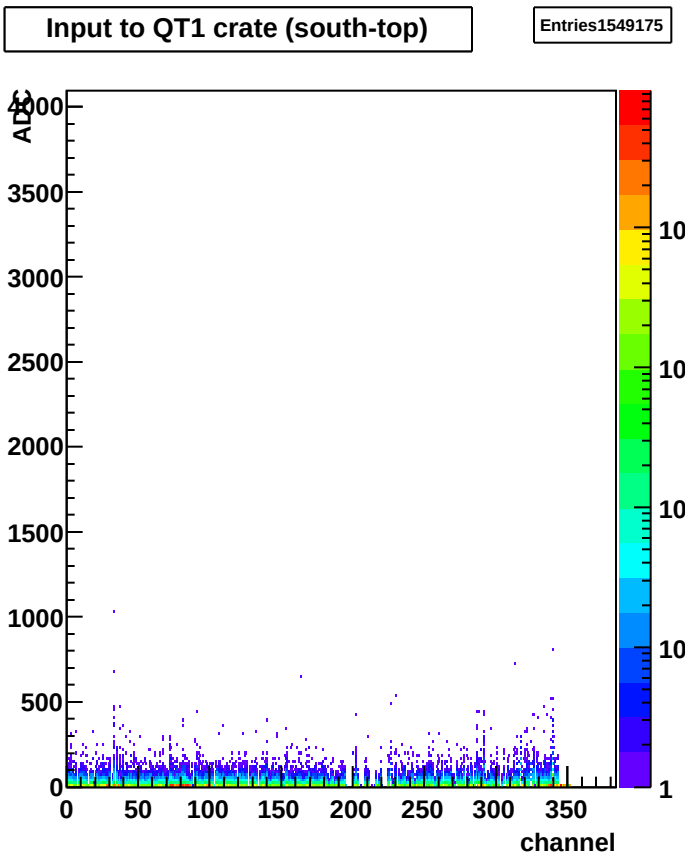

BBClarge-TAC-W
Entries 103306
Mean 1456
RMS 336

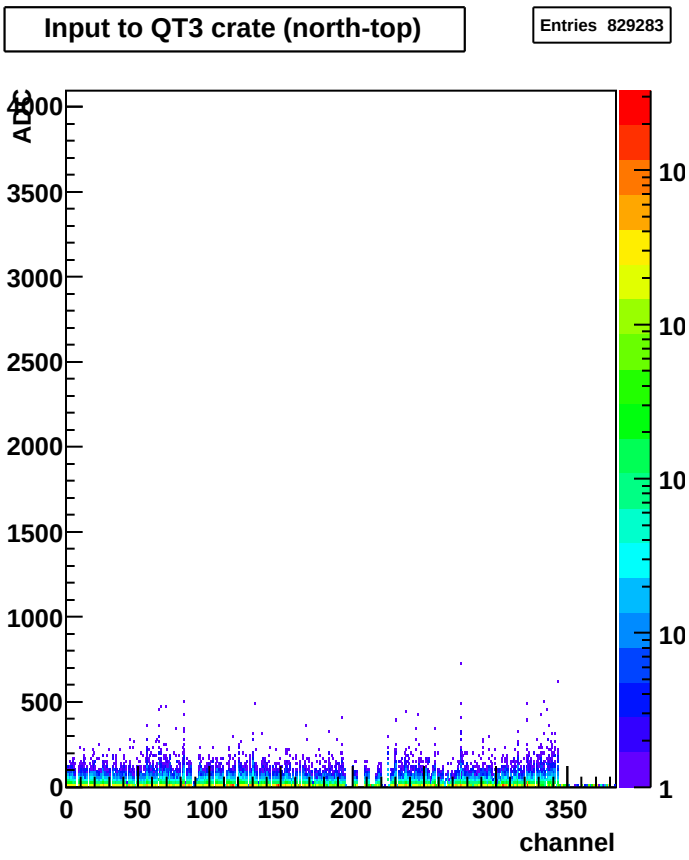

BBClarge-TAC-DIFF = 4096 + BBClarge-TAC-E - BBClarge-TAC-W
Entries 99103
Mean 4116
RMS 424.3

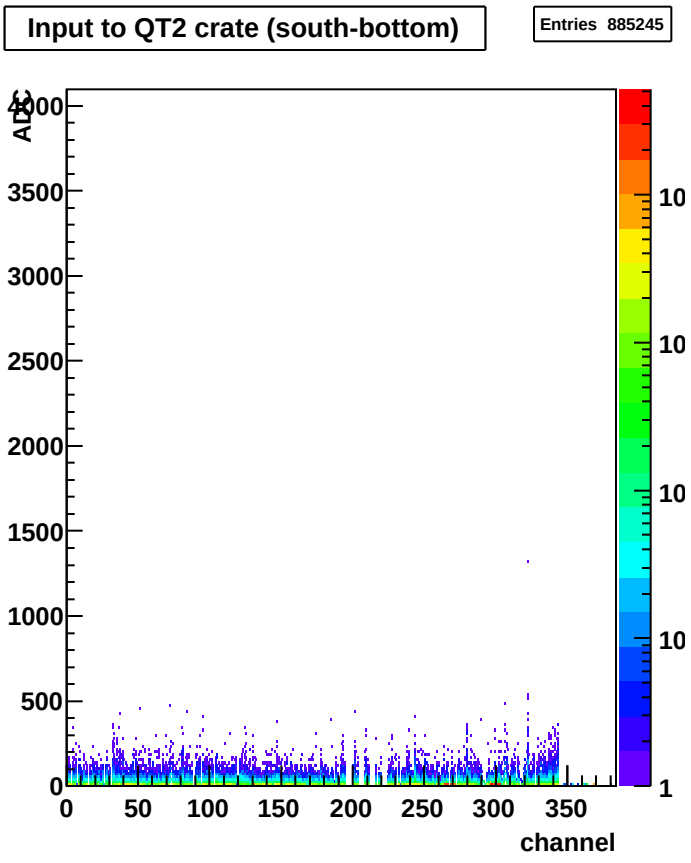

VPD-TAC-E
Entries 62872
Mean 1350
RMS 160

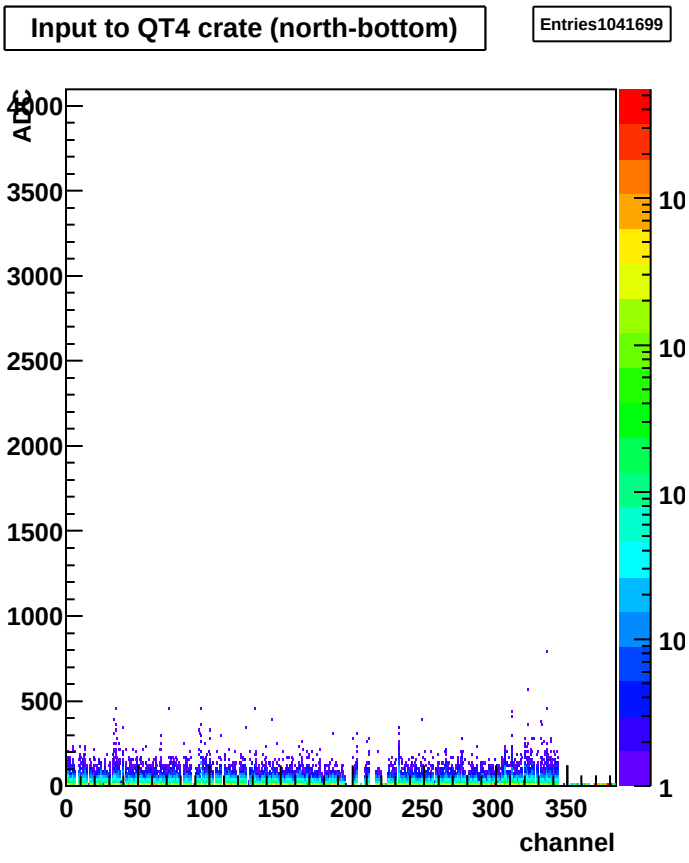

VPD-TAC-W
Entries 61021
Mean 1423
RMS 162

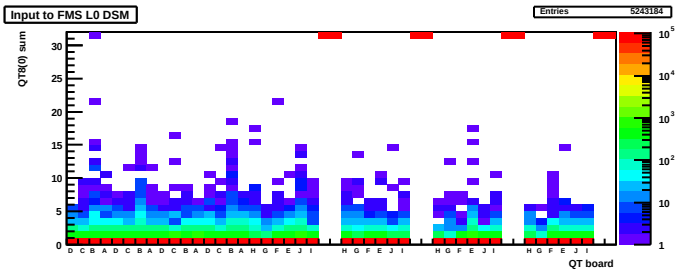

VPD-TAC-DIFF = 4096 + VPD-TAC-E - VPD-TAC-W
Entries 36174
Mean 4023
RMS 157.3

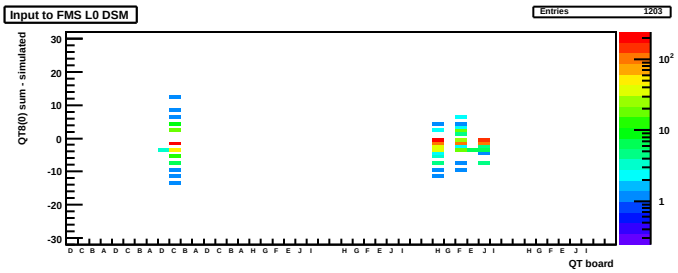

Input to QT1 crate (south-top)
Entries1549175
ADC
channel

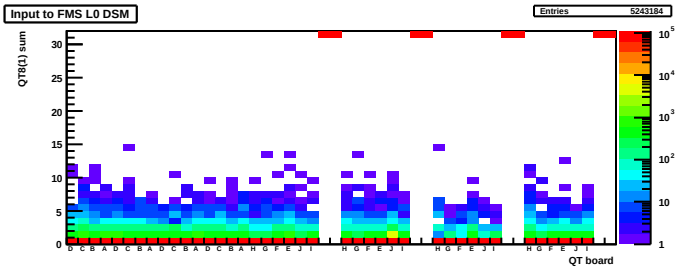

Input to QT3 crate (north-top)
Entries 829283
ADC
channel

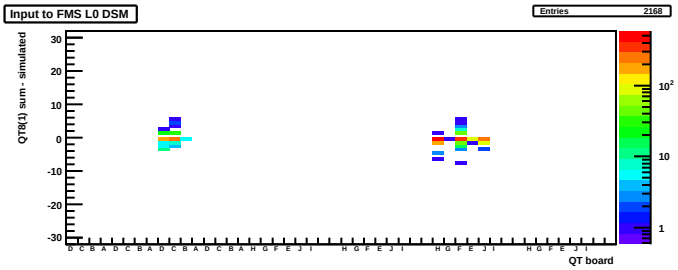

Input to QT2 crate (south-bottom)
Entries 885245
ADC
channel

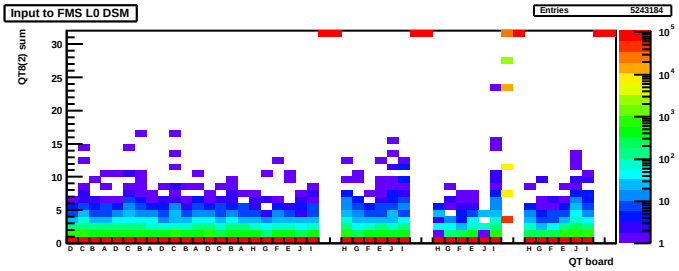

Input to QT4 crate (north-bottom)
Entries1041699
ADC
channel

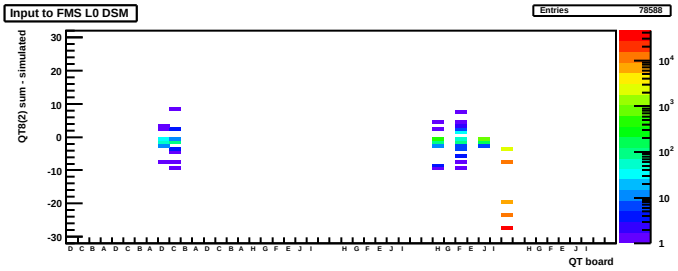

Input to FMS L0 DSM
Entries 5243184
QT8(0) sum
QT board

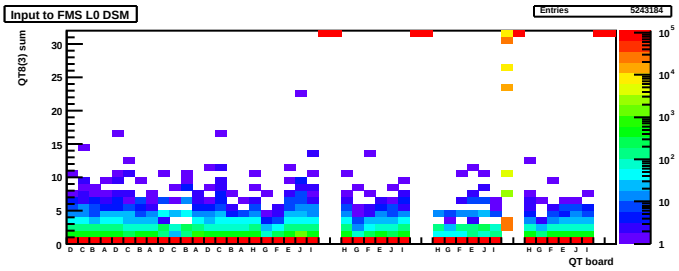

Input to FMS L0 DSM
Entries 1203
QT8(0) sum - simulated
QT board

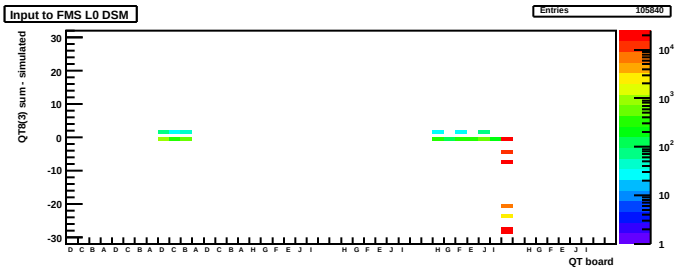

Input to FMS L0 DSM
Entries 5243184
QT8(1) sum
QT board

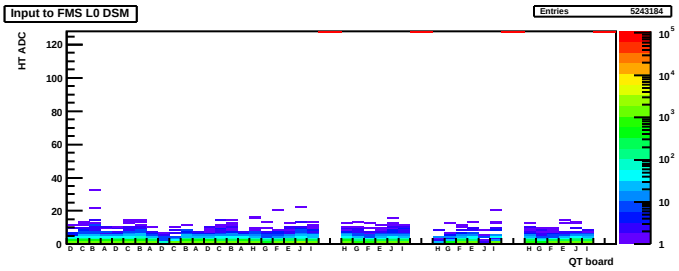

Input to FMS L0 DSM
Entries 2168
QT8(1) sum - simulated
QT board

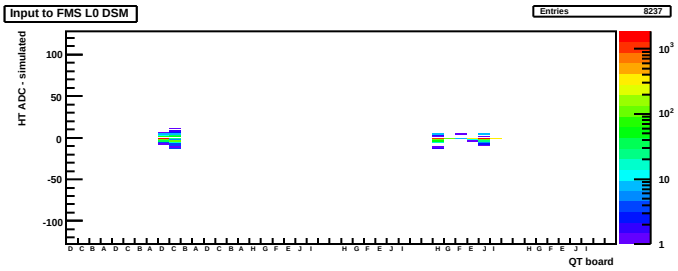

Input to FMS L0 DSM
Entries 5243184
QT8(2) sum
QT board

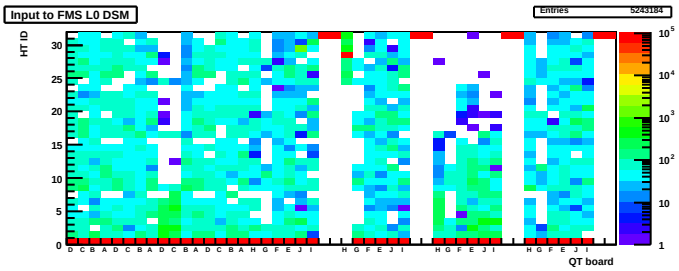

Input to FMS L0 DSM
Entries 78588
QT8(2) sum - simulated
QT board

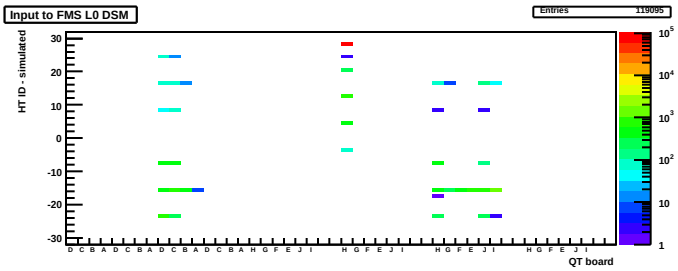

Input to FMS L0 DSM
Entries 5243184
QT8(3) sum
QT board

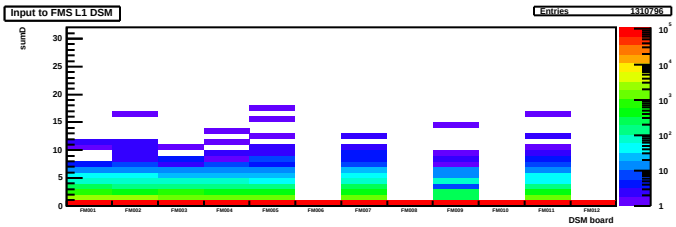

Input to FMS L0 DSM
Entries 105840
QT8(3) sum - simulated
QT board

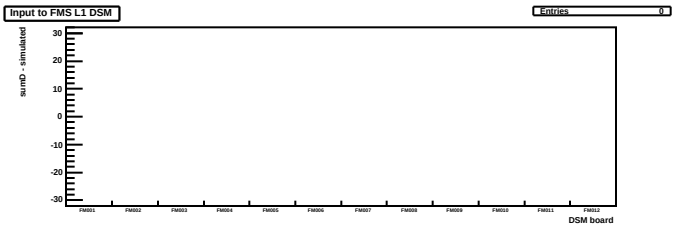

Input to FMS L0 DSM
Entries 5243184
HT ADC
QT board

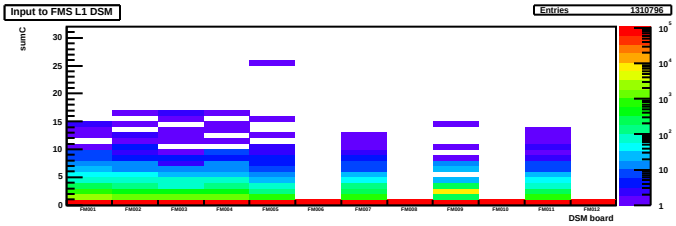

Input to FMS L0 DSM
Entries 8237
HT ADC - simulated
QT board

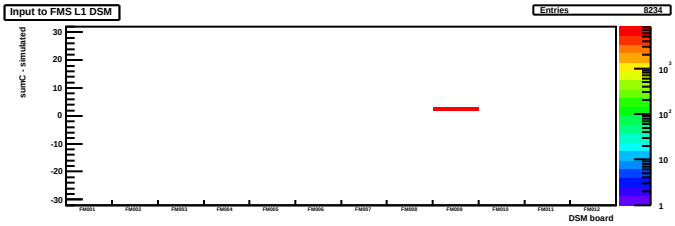

Input to FMS L0 DSM
Entries 5243184
HT ID
QT board

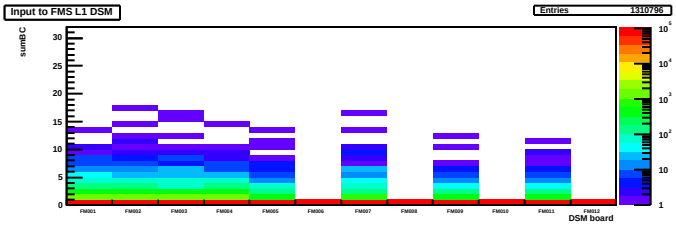

Input to FMS L0 DSM
Entries 119095
HT ID - simulated
QT board

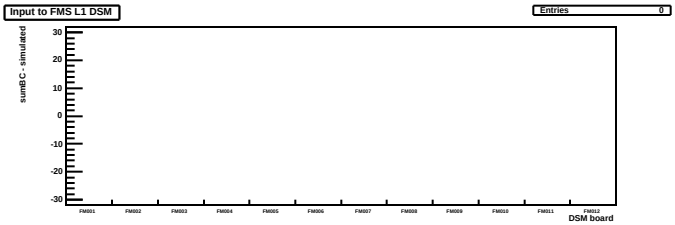

Input to FMS L1 DSM
Entries 1310796
sumD
DSM board

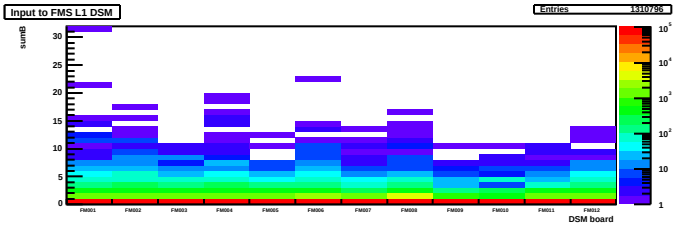

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

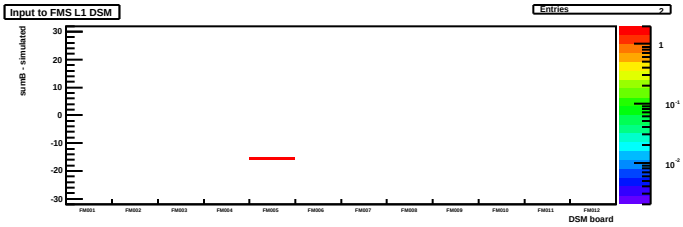

Input to FMS L1 DSM
Entries 1310796
sumC
DSM board

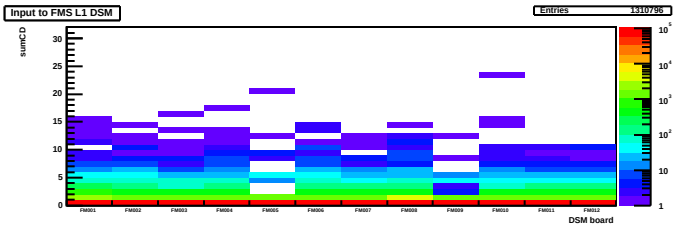

Input to FMS L1 DSM
Entries 8234
sumC - simulated
DSM board

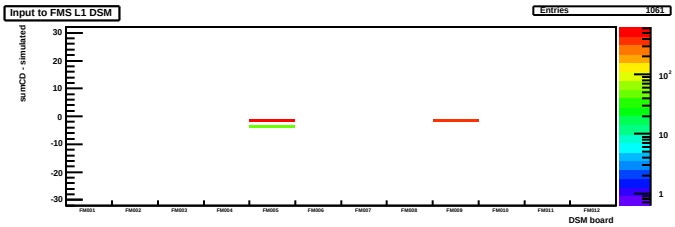

Input to FMS L1 DSM
Entries 1310796
sumBC
DSM board

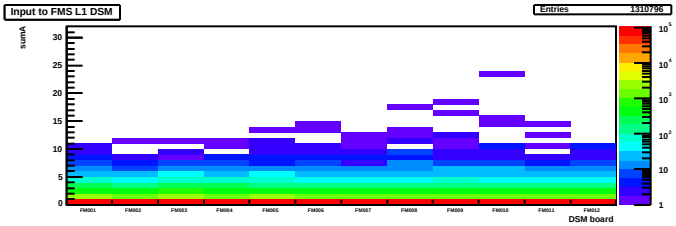

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

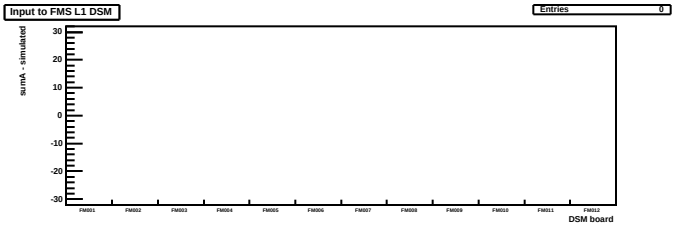

Input to FMS L1 DSM
Entries 1310796
sumB
DSM board

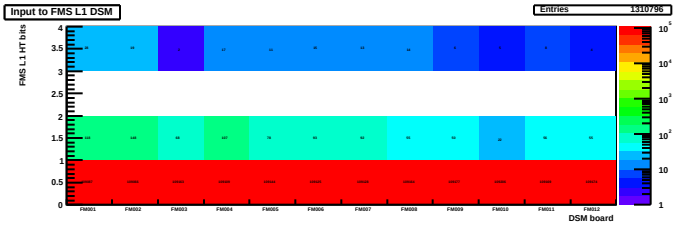

Input to FMS L1 DSM
Entries 2
sumB - simulated
DSM board

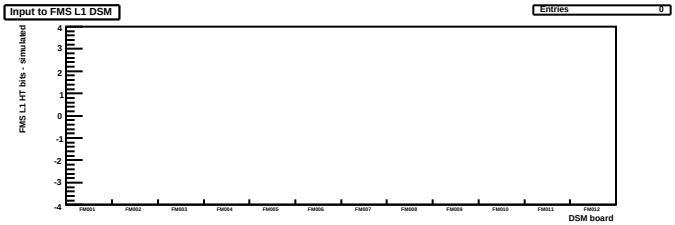

Input to FMS L1 DSM
Entries 1310796
sumCD
DSM board

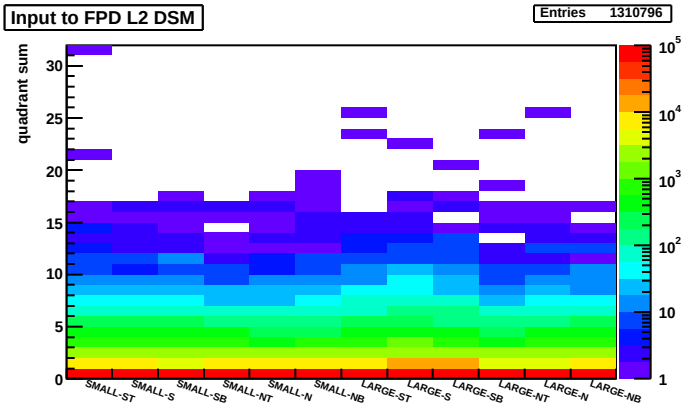

Input to FMS L1 DSM
Entries 1061
sumCD - simulated
DSM board

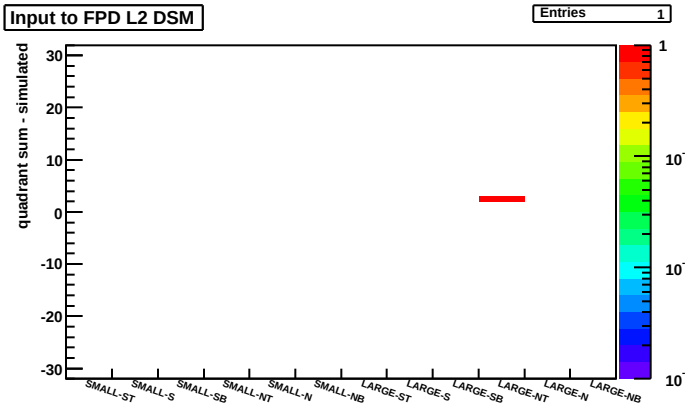

Input to FMS L1 DSM
Entries 1310796
sumA
DSM board

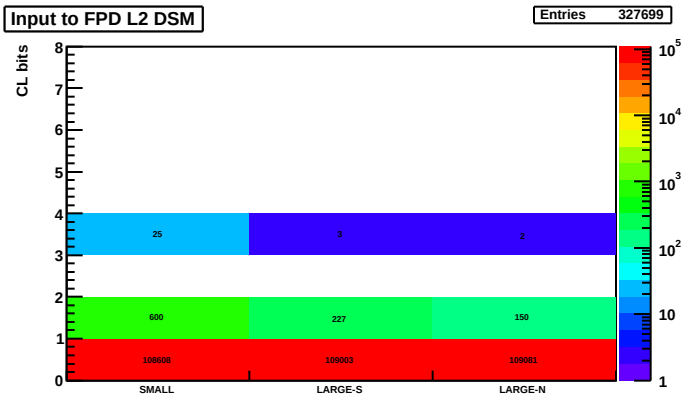

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

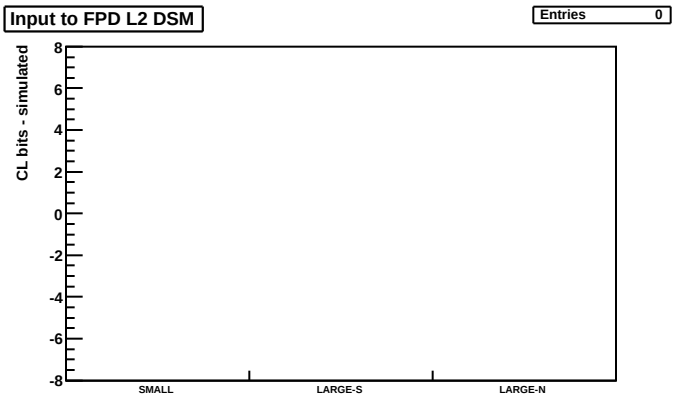

Input to FMS L1 DSM
Entries 1310796
FMS L1 HT bits
DSM board

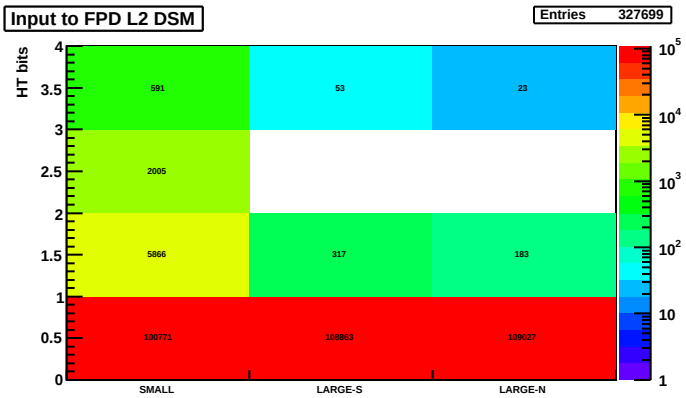

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

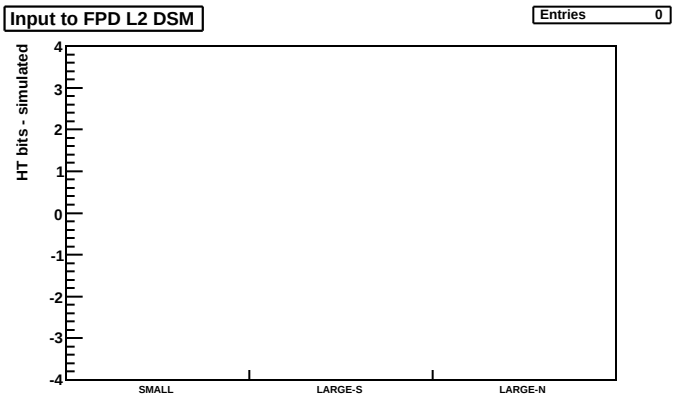

Input to FPD L2 DSM
Entries 1310796
quadrant sum
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

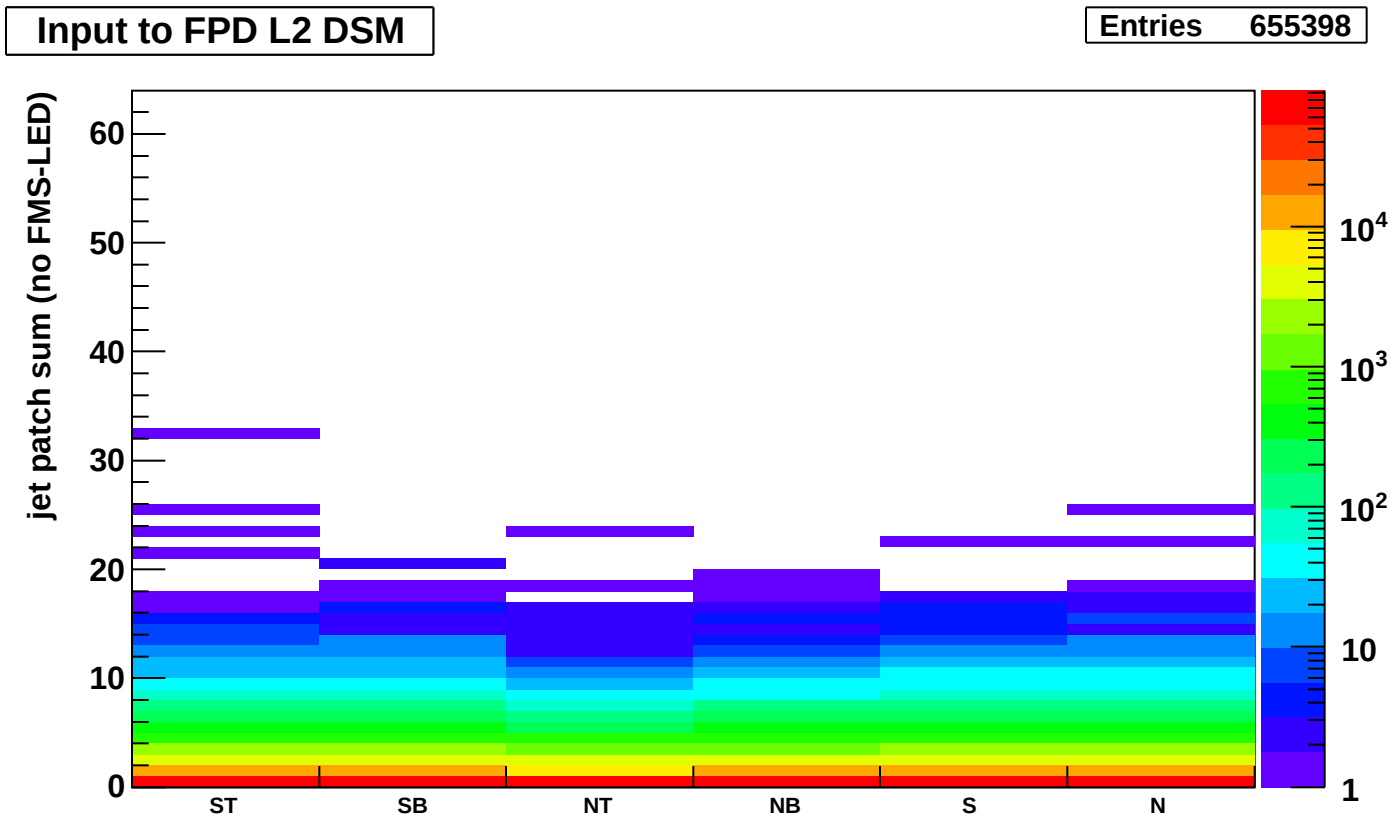

Input to FPD L2 DSM
Entries 1
quadrant sum - simulated
SMALL-ST
SMALL-S
SMALL-SB
SMALL-NT
SMALL-N
SMALL-NB
LARGE-ST
LARGE-S
LARGE-SB
LARGE-NT
LARGE-N
LARGE-NB

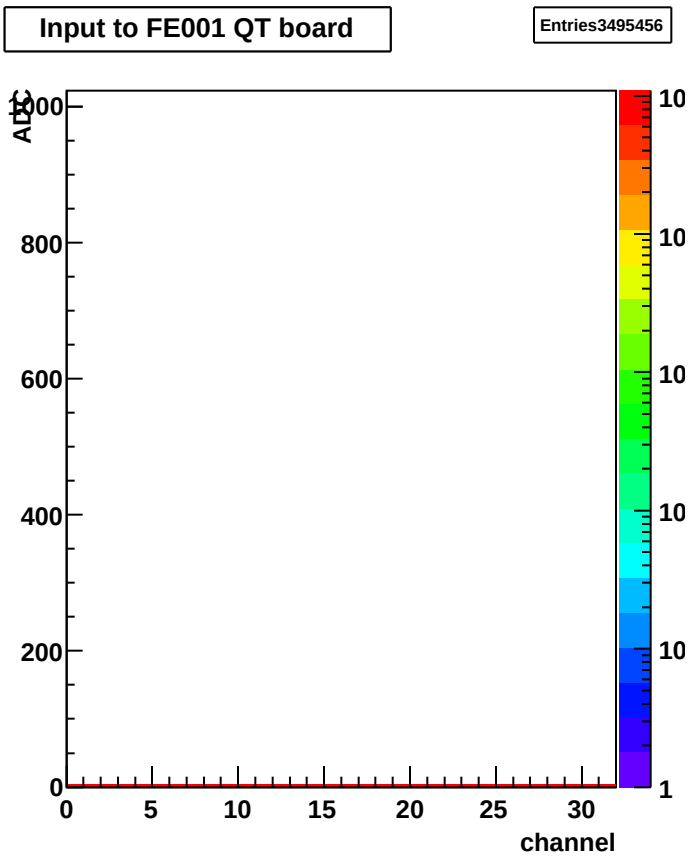

Input to FPD L2 DSM
Entries 327699
CL bits
25
3
2
600
227
150
108608
109003
109081
SMALL
LARGE-S
LARGE-N

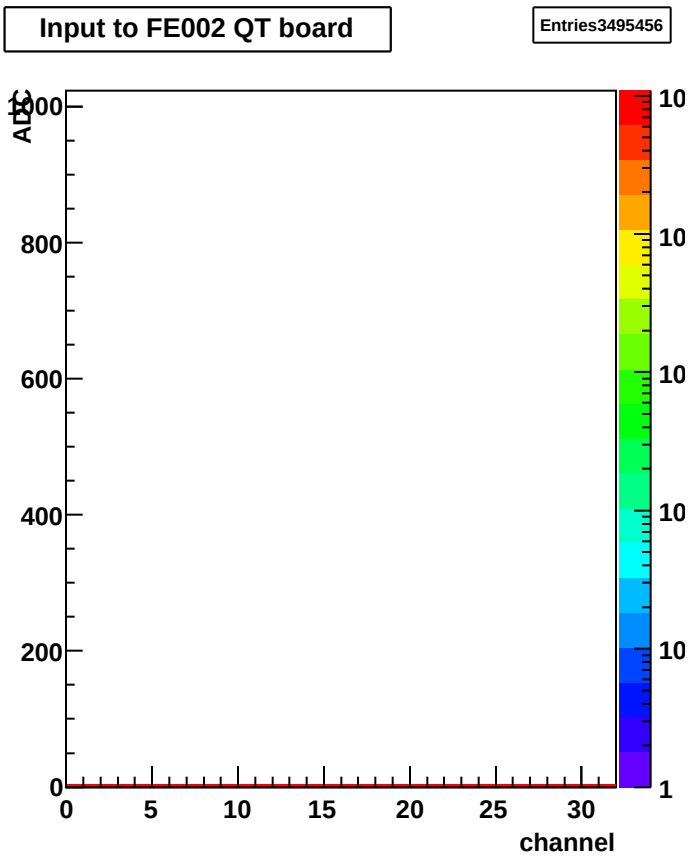

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

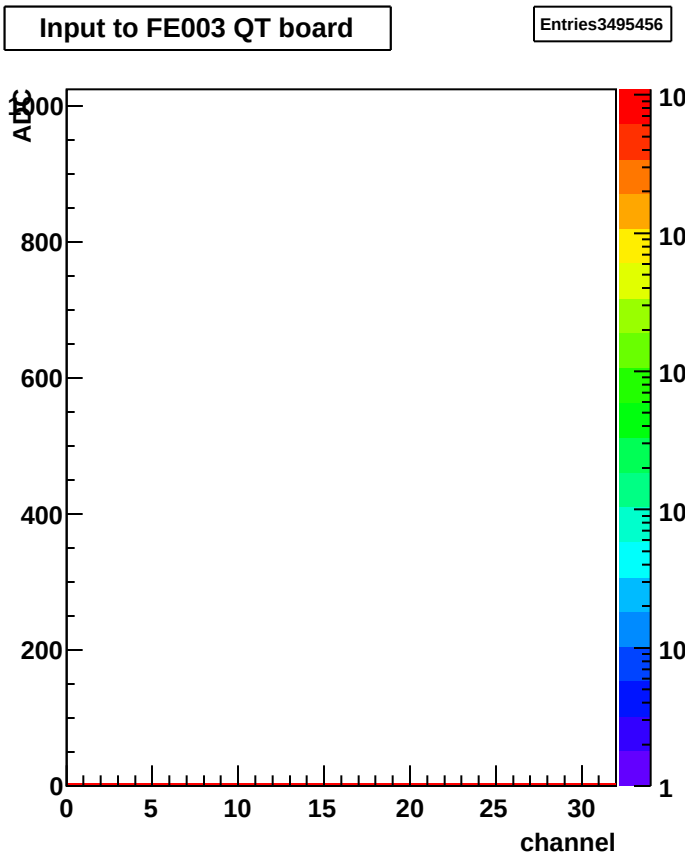

Input to FPD L2 DSM
Entries 327699
HT bits
591
53
23
2005
5866
317
183
100771
108863
109027
SMALL
LARGE-S
LARGE-N

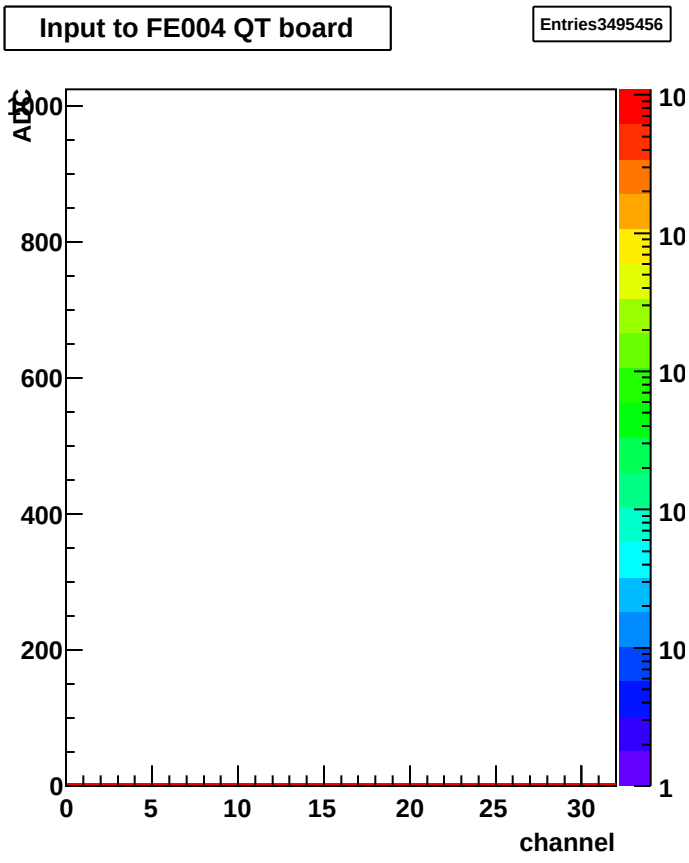

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

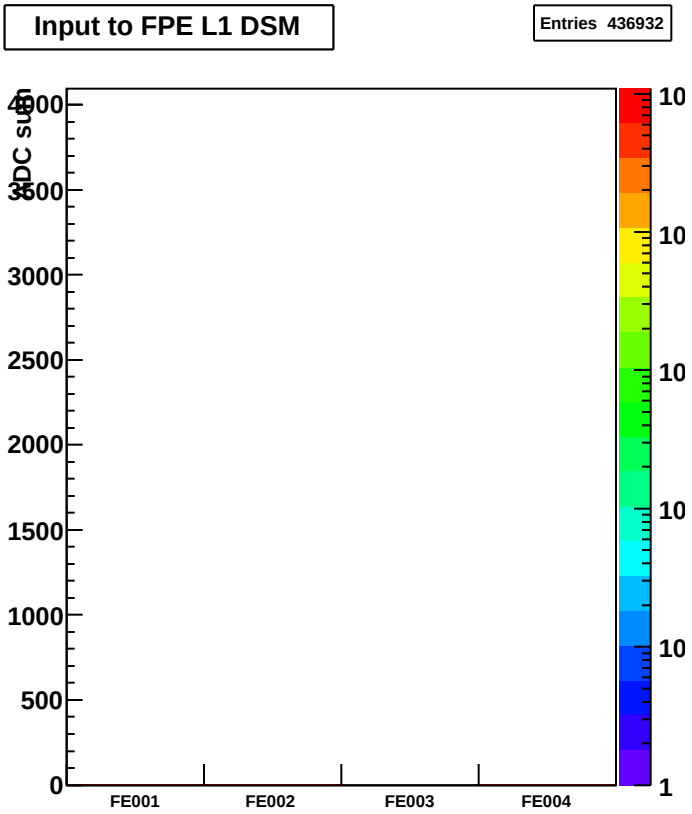

Input to FPD L2 DSM
Entries 655398
jet patch sum (no FMS-LED)
0
10
20
30
40
50
60
ST
SB
NT
NB
S
N
1
10
10^2
10^3
10^4

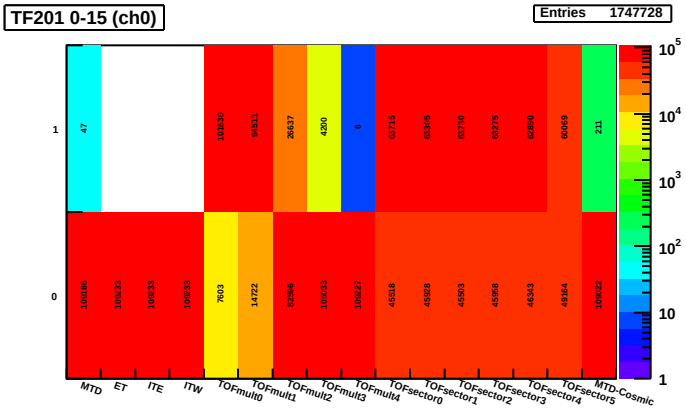

Input to FE001 QT board
Entries3495456
ADC
channel

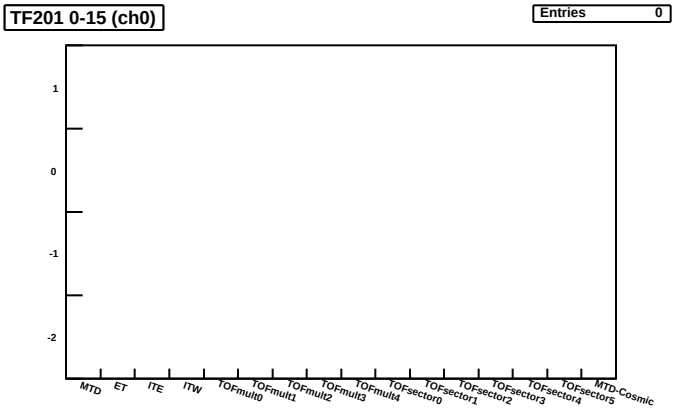

Input to FE002 QT board
Entries3495456
ADC
channel

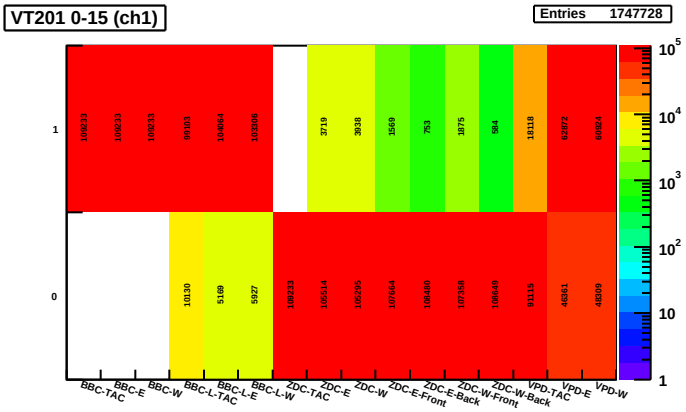

Input to FE003 QT board
Entries3495456
ADC
channel

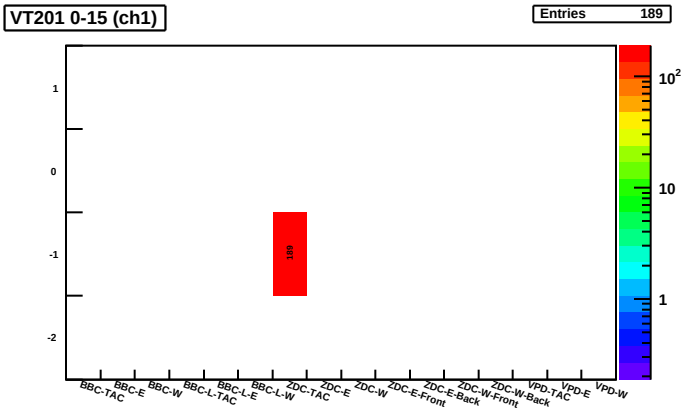

Input to FE004 QT board
Entries3495456
ADC
channel

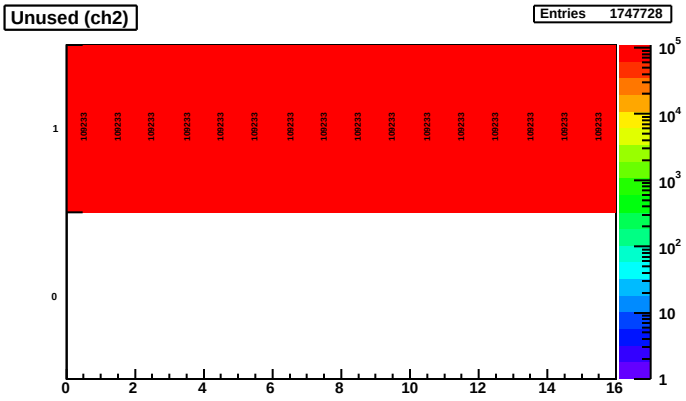

Input to FPE L1 DSM
Entries 436932
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
10
10
1

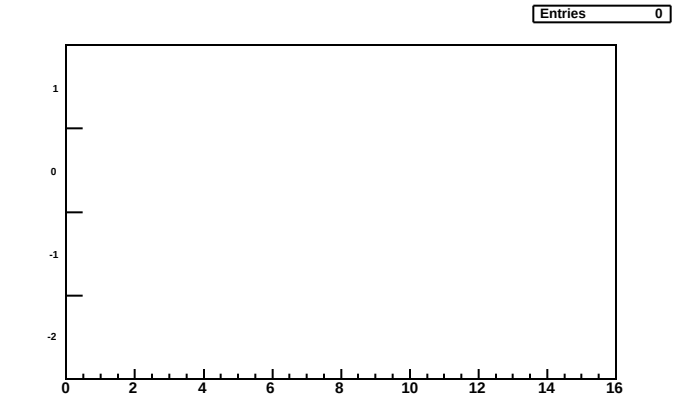

TF201 0-15 (ch0)
Entries 1747728
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

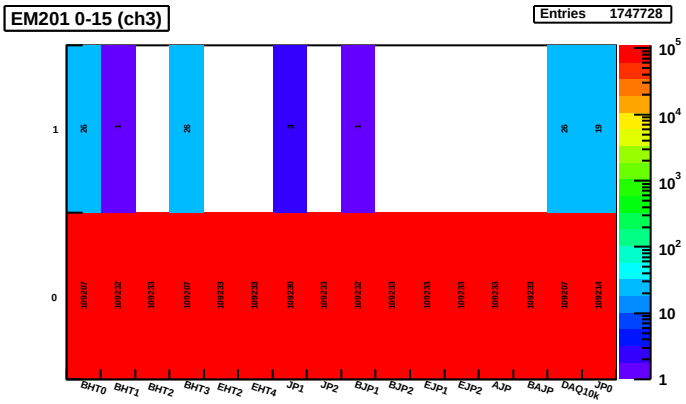

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

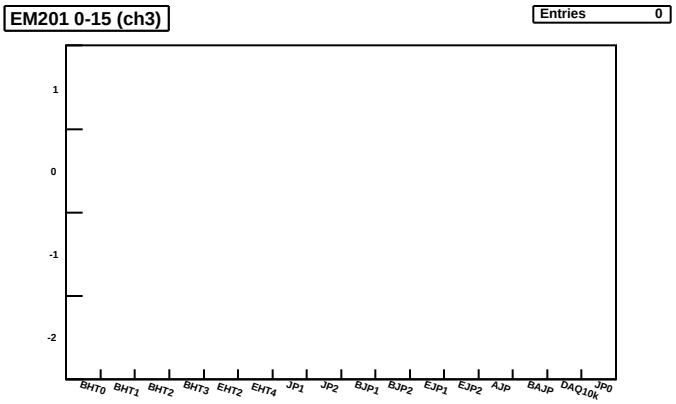

VT201 0-15 (ch1)
Entries 1747728
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

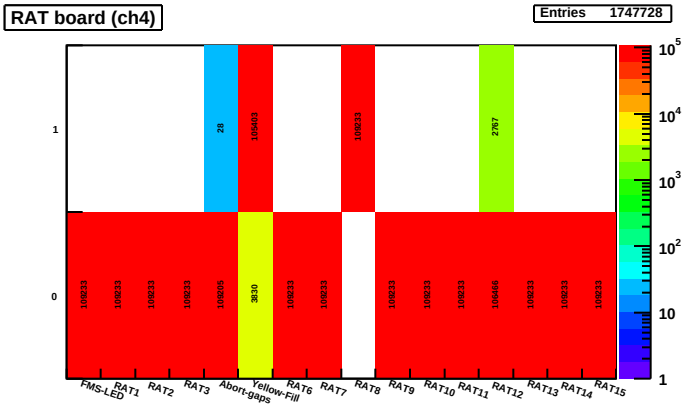

VT201 0-15 (ch1)
Entries 189
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

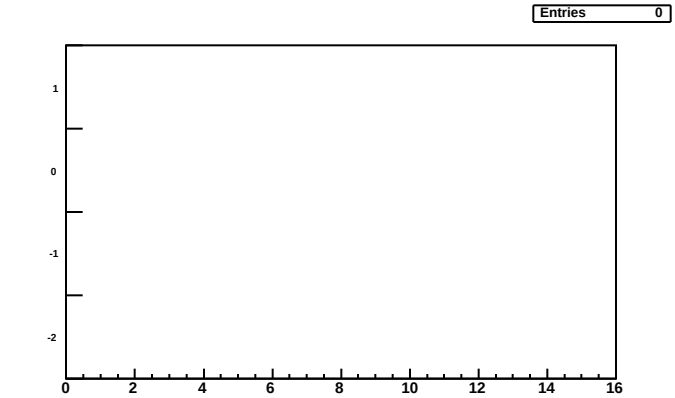

Unused (ch2)
Entries 1747728

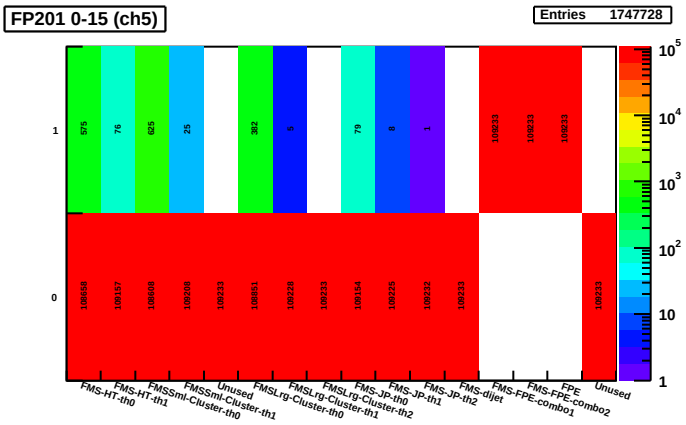

Entries 0

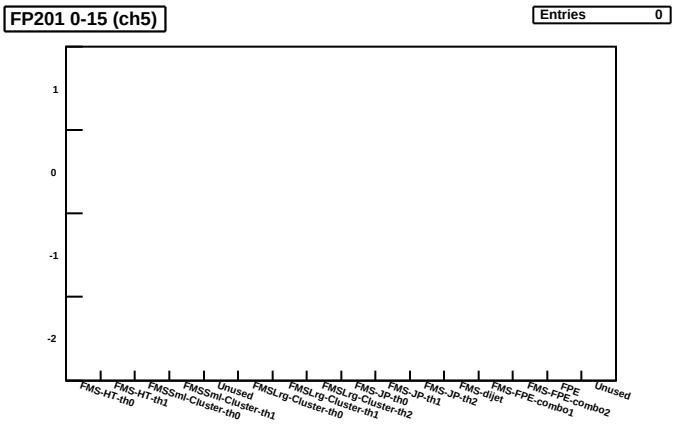

EM201 0-15 (ch3)
Entries 1747728
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP DAQ10k JP0

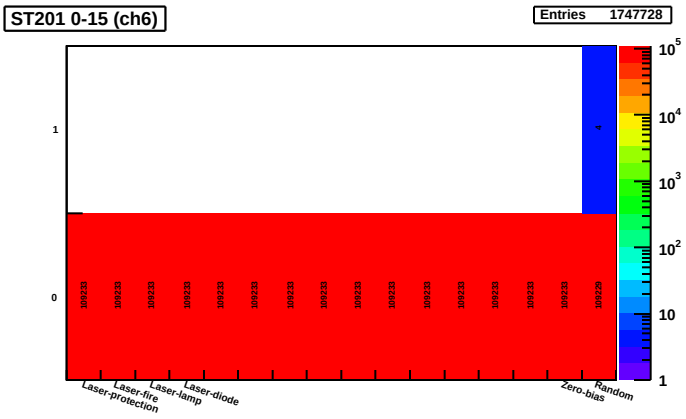

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP DAQ10k JP0

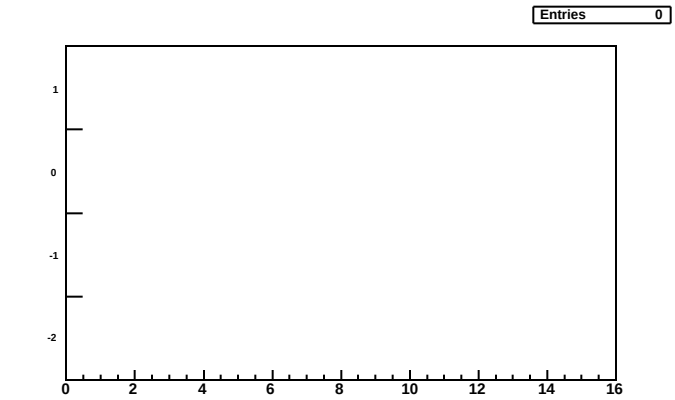

RAT board (ch4)
Entries 1747728
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15

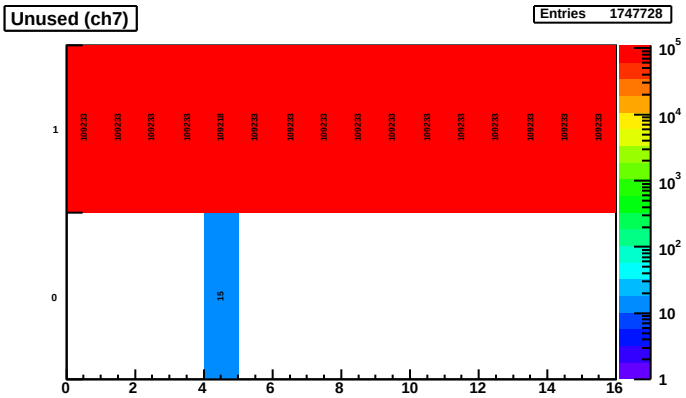

Entries 0

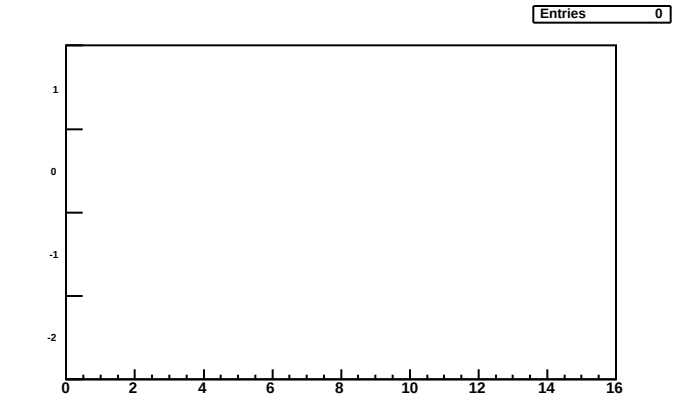

FP201 0-15 (ch5)
Entries 1747728
FMS-HT-th0
FMS-HT-th1
FMSSml-Cluster-th0
FMSSml-Cluster-th1
Unused
FMSLrg-Cluster-th0
FMSLrg-Cluster-th1
FMS-JP-th0
FMS-JP-th1
FMS-JP-th2
FMS-dijet
FMS-FPE-combo1
FPE
FMS-FPE-combo2
Unused


FP201 0-15 (ch5)
Entries 0


ST201 0-15 (ch6)
Entries 1747728
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random


Entries 0


Unused (ch7)
Entries 1747728


Entries 0