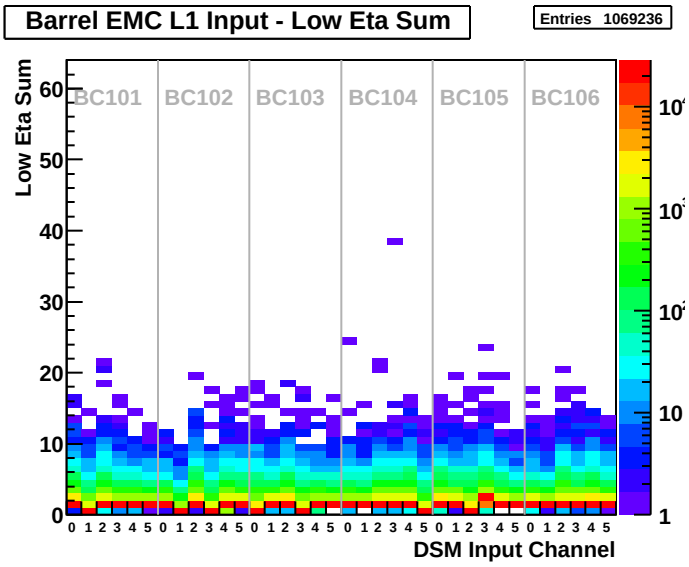
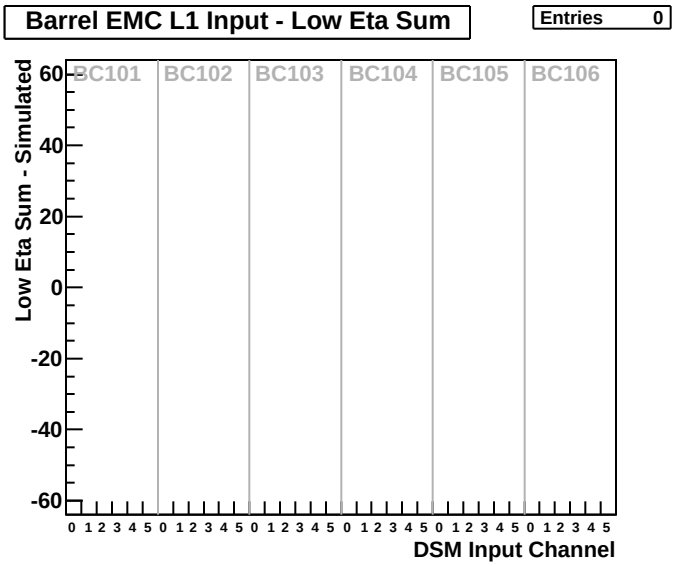
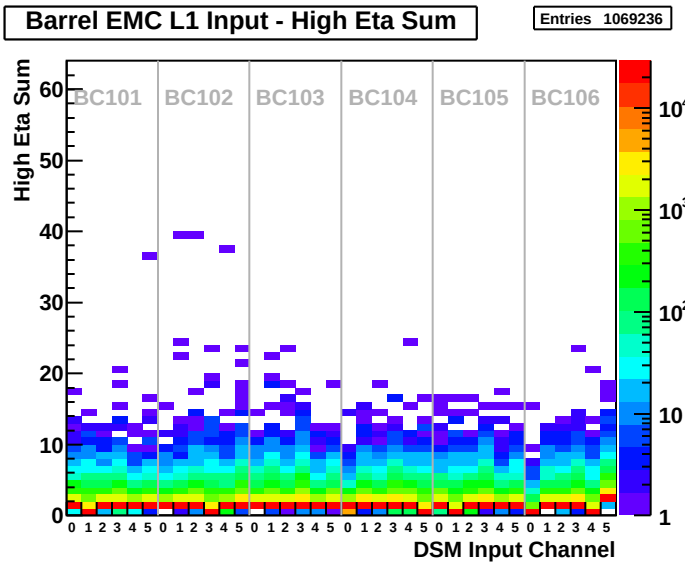
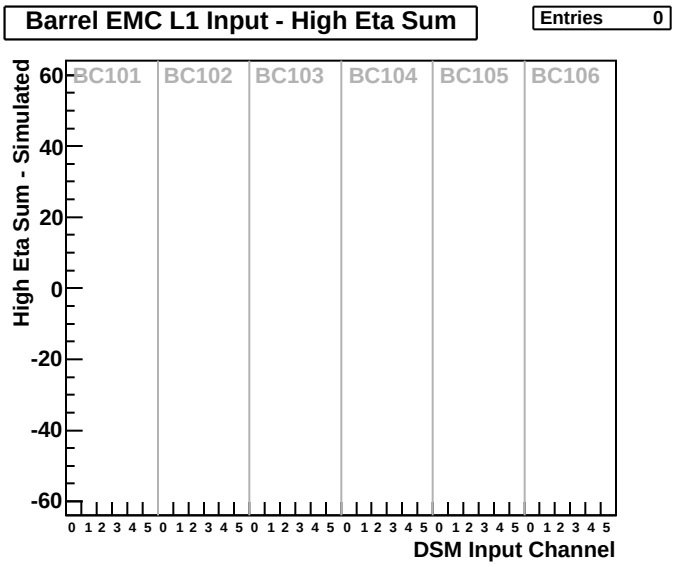
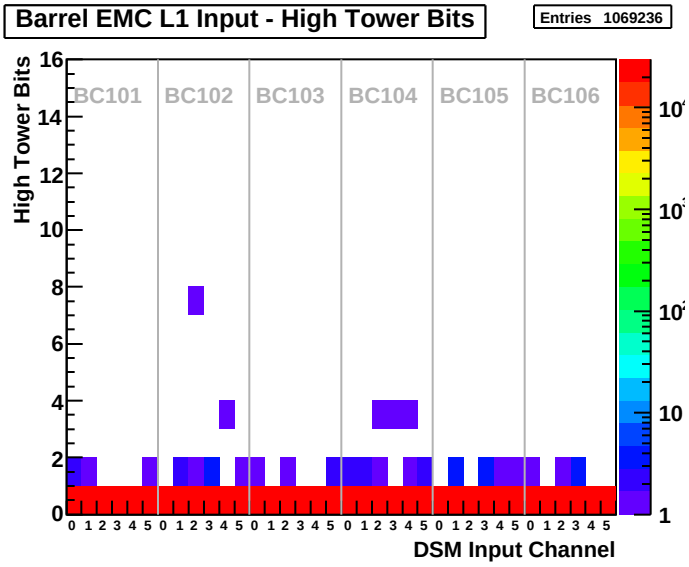
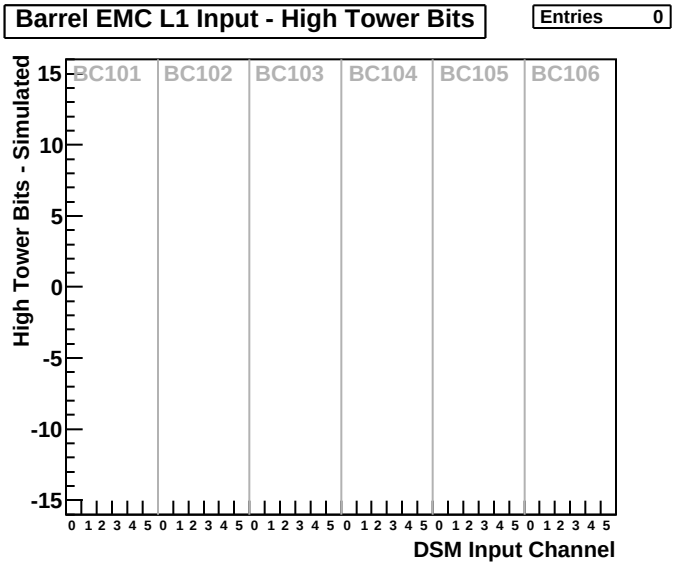

Barrel EMC L1 Input - Low Eta Sum
Entries 1069236
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

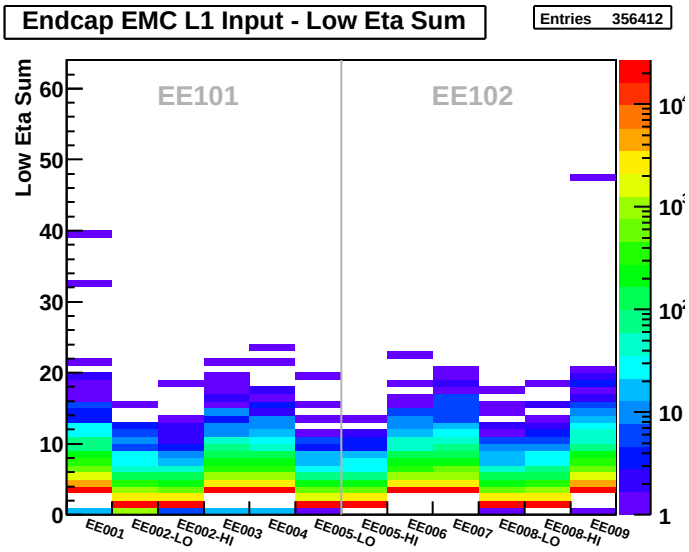

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

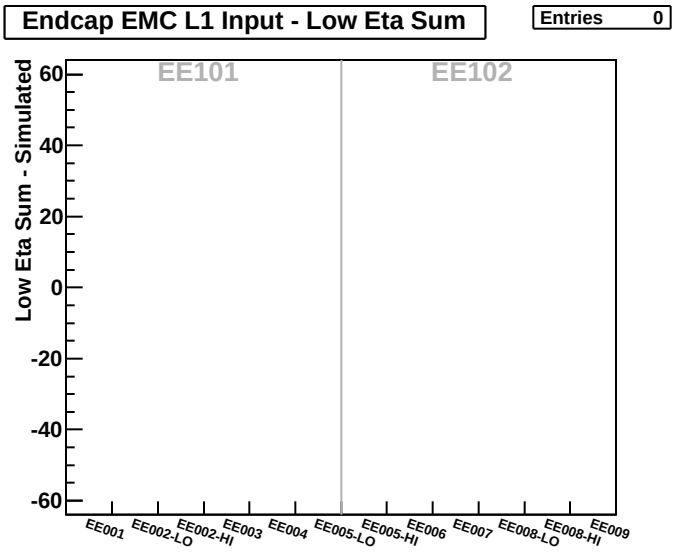

Barrel EMC L1 Input - High Eta Sum
Entries 1069236
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

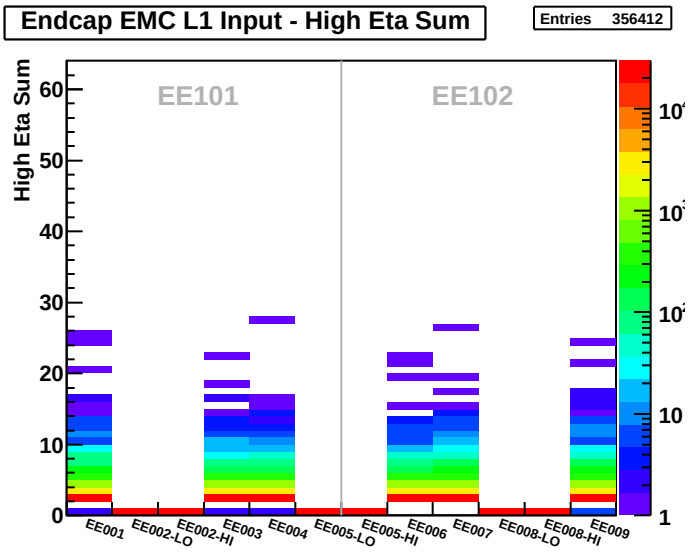

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

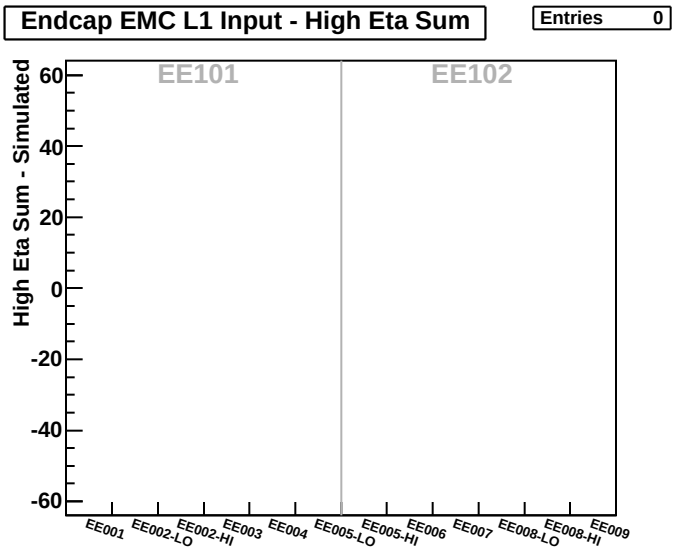

Barrel EMC L1 Input - High Tower Bits
Entries 1069236
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

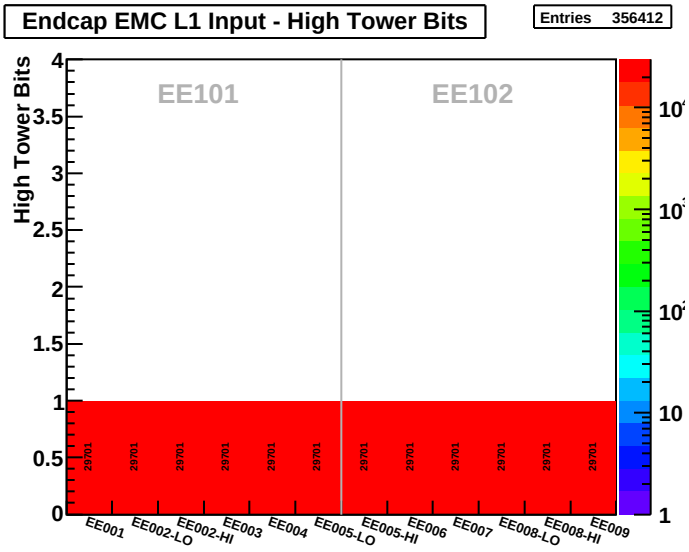

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

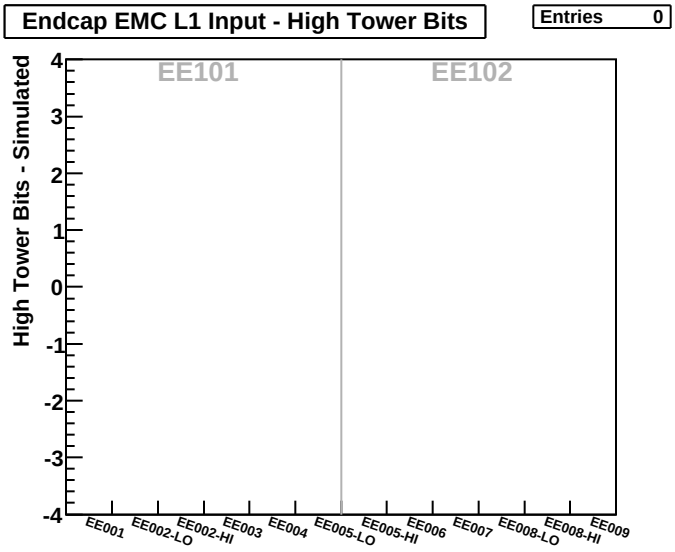

Endcap EMC L1 Input - Low Eta Sum
Entries 356412
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

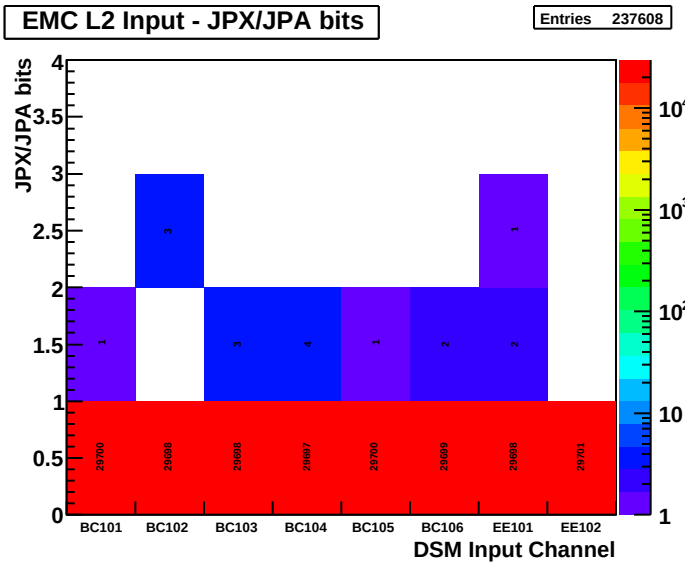

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

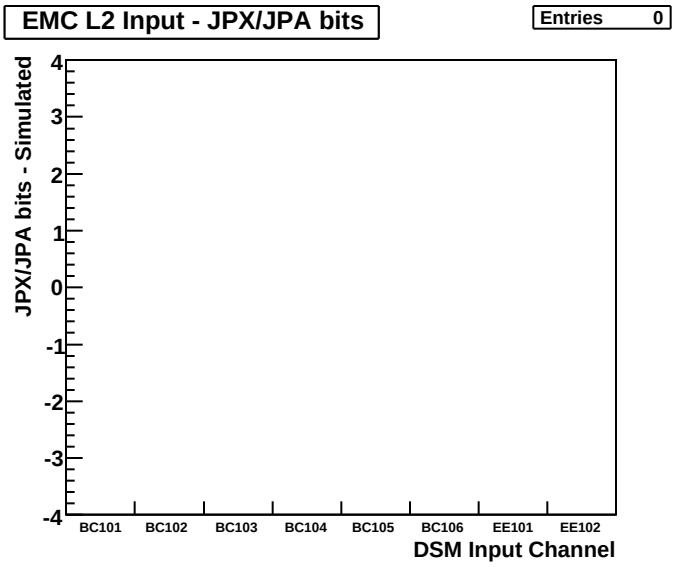

Endcap EMC L1 Input - High Eta Sum
Entries 356412
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

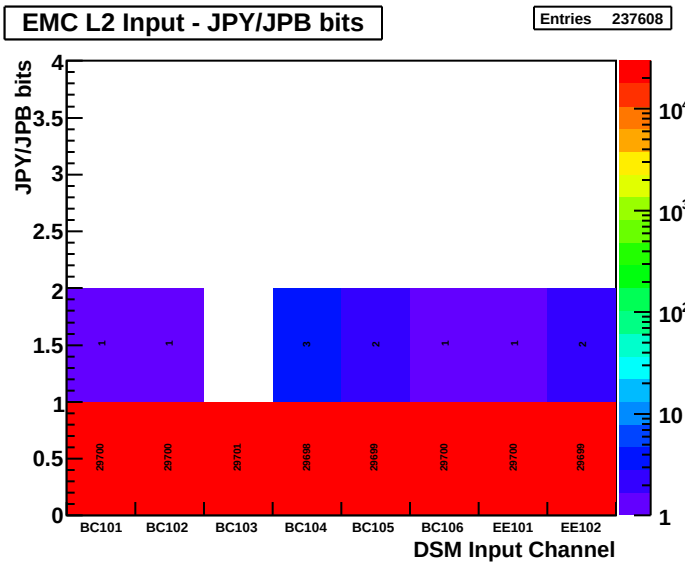

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

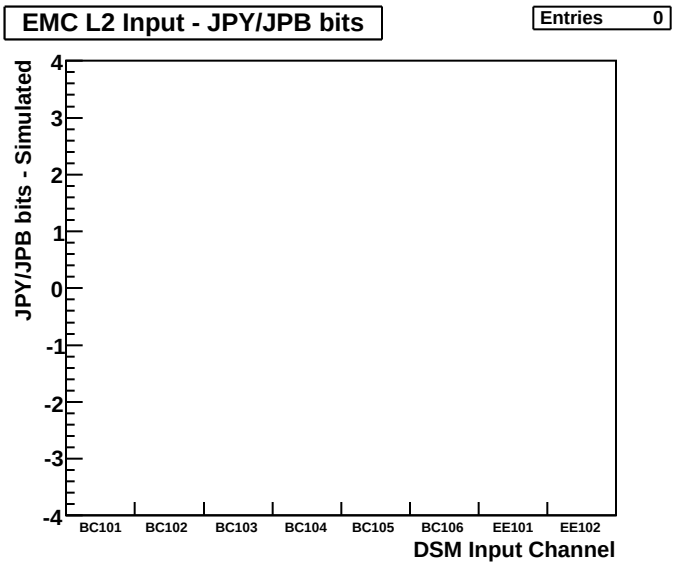

Endcap EMC L1 Input - High Tower Bits
Entries 356412
High Tower Bits
EE101
EE102
29701
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

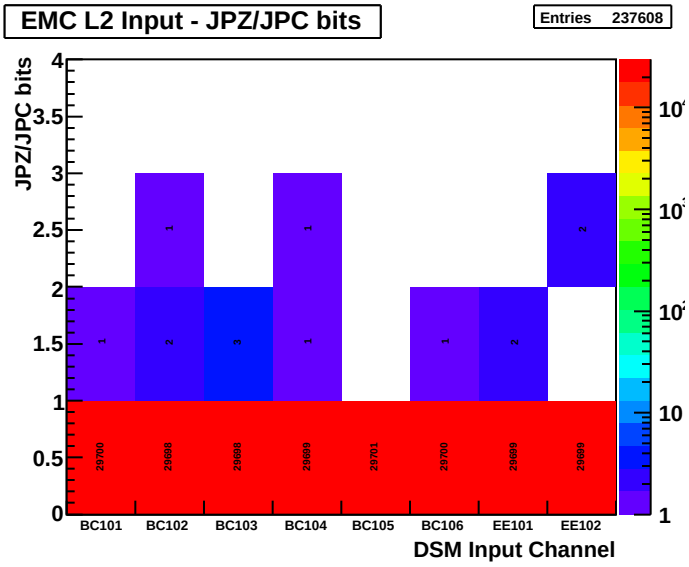

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

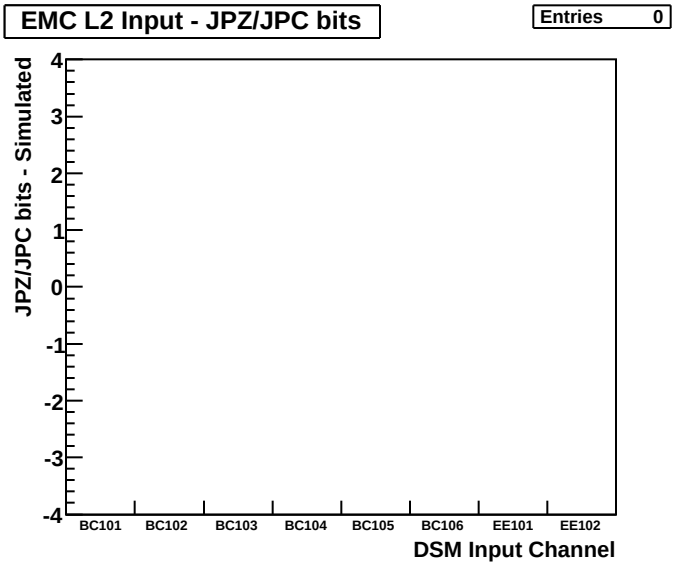

EMC L2 Input - JPX/JPA bits
Entries 237608
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

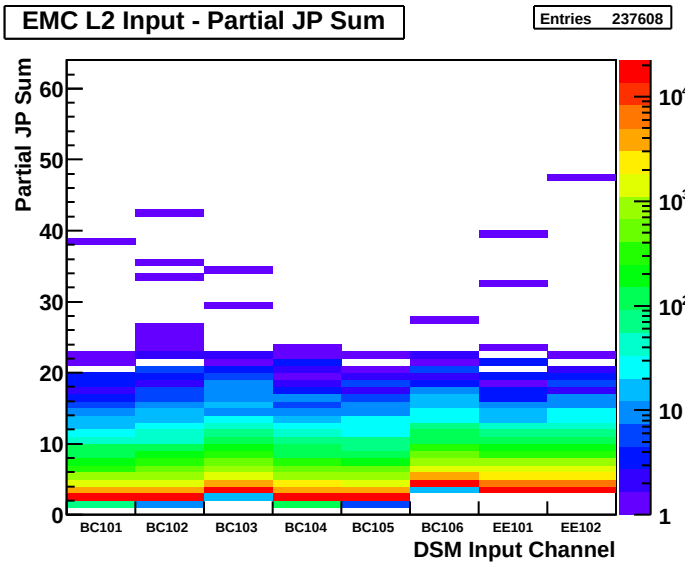

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

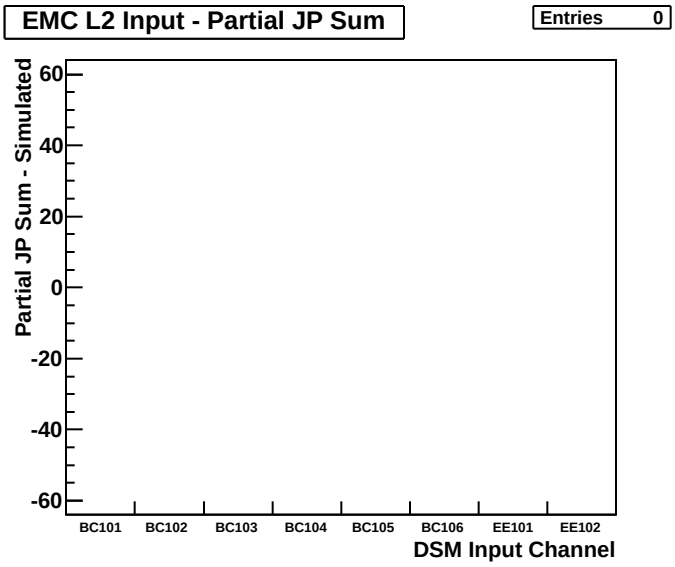

EMC L2 Input - JPY/JPB bits
Entries 237608
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

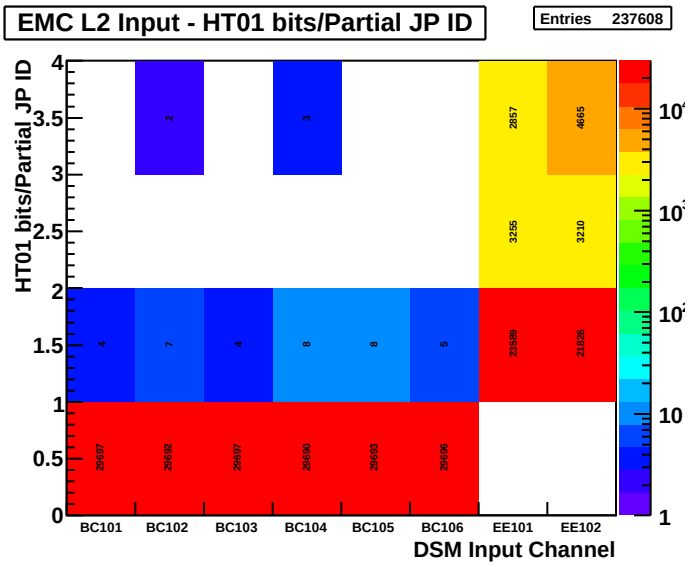

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

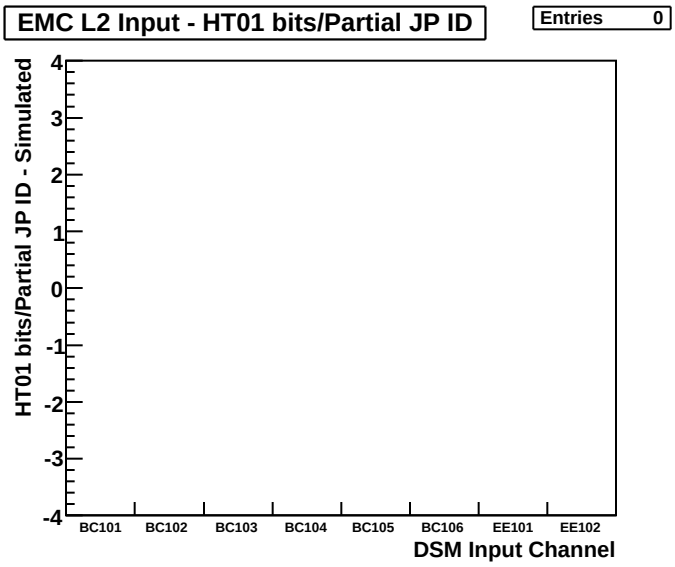

EMC L2 Input - JPZ/JPC bits
Entries 237608
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

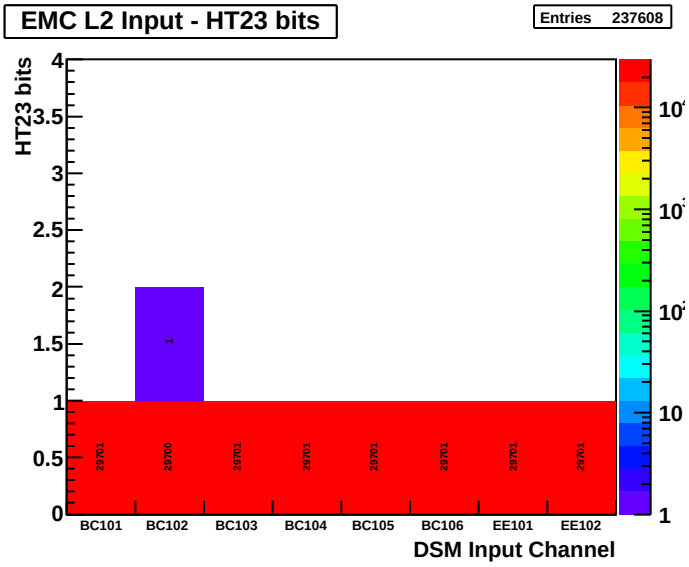

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

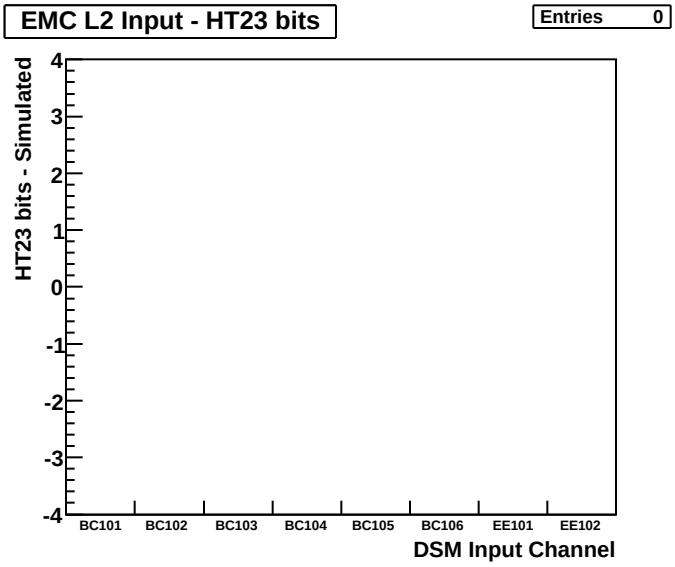

EMC L2 Input - Partial JP Sum
Entries 237608
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

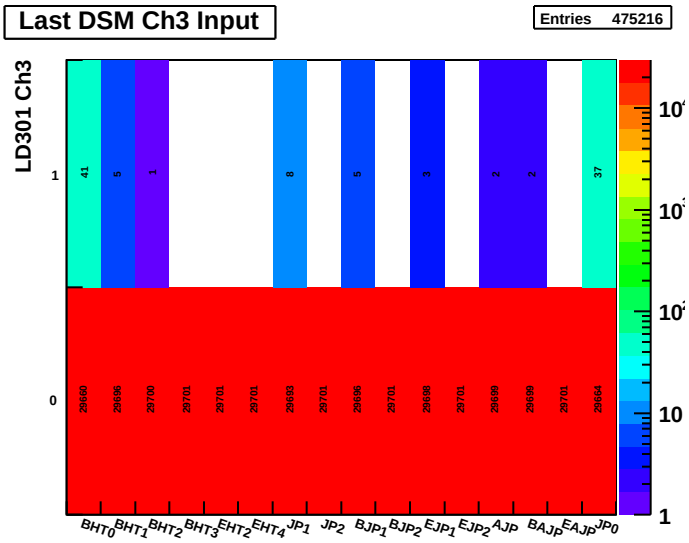

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

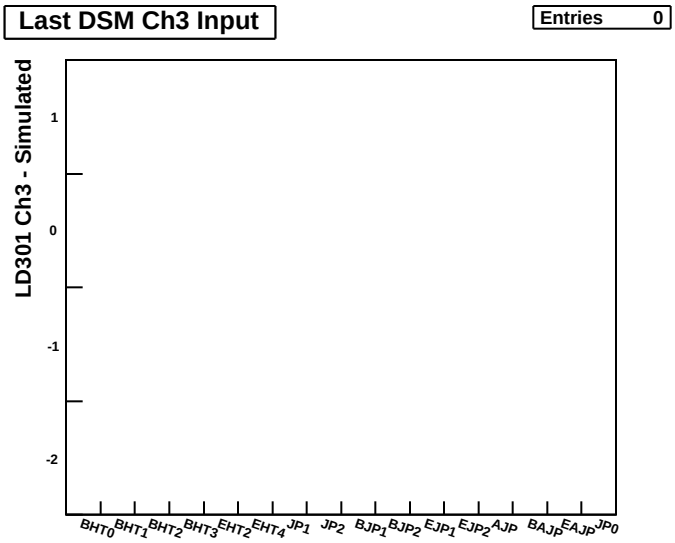

EMC L2 Input - HT01 bits/Partial JP ID
Entries 237608
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

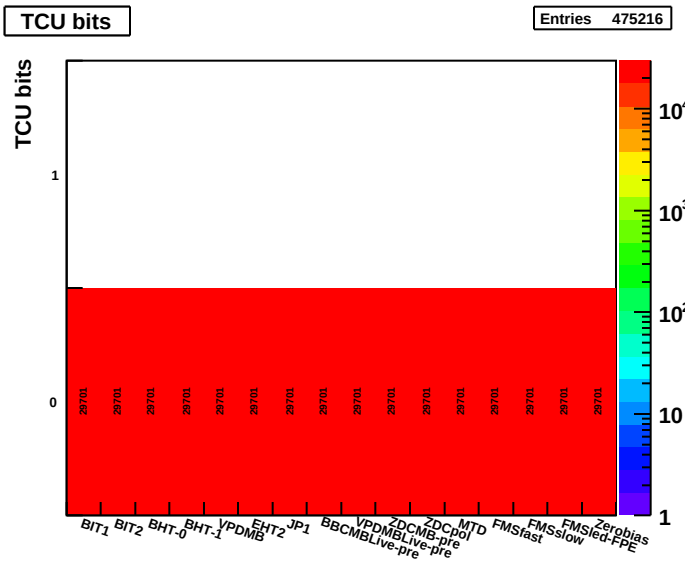

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

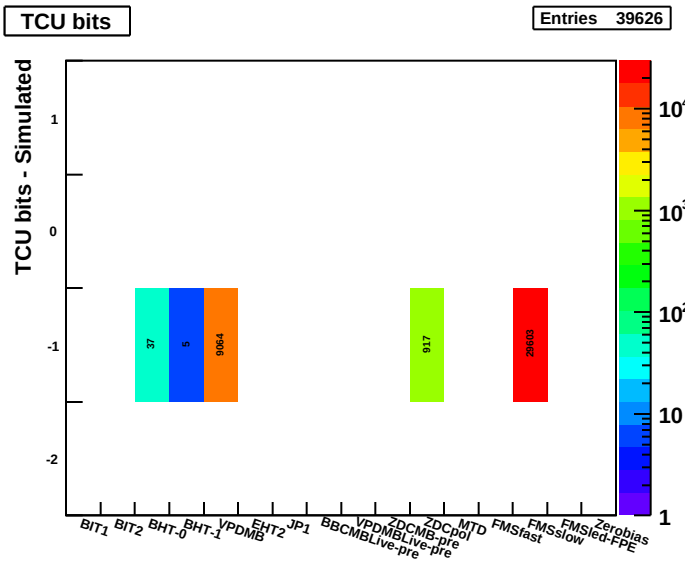

EMC L2 Input - HT23 bits
Entries 237608
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

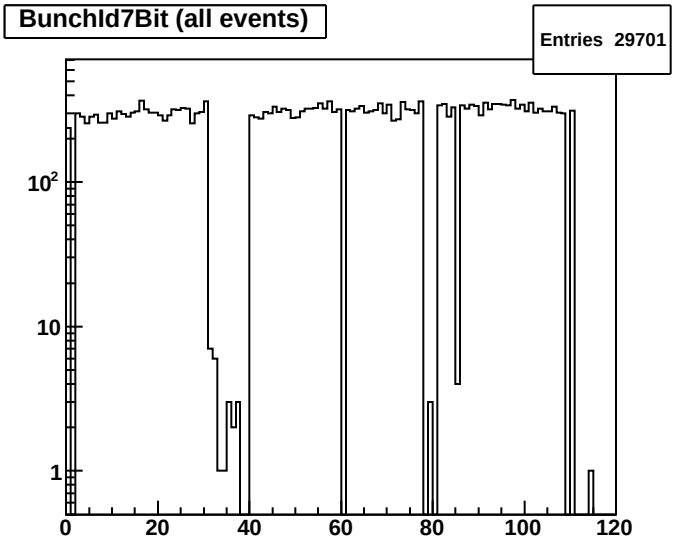

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

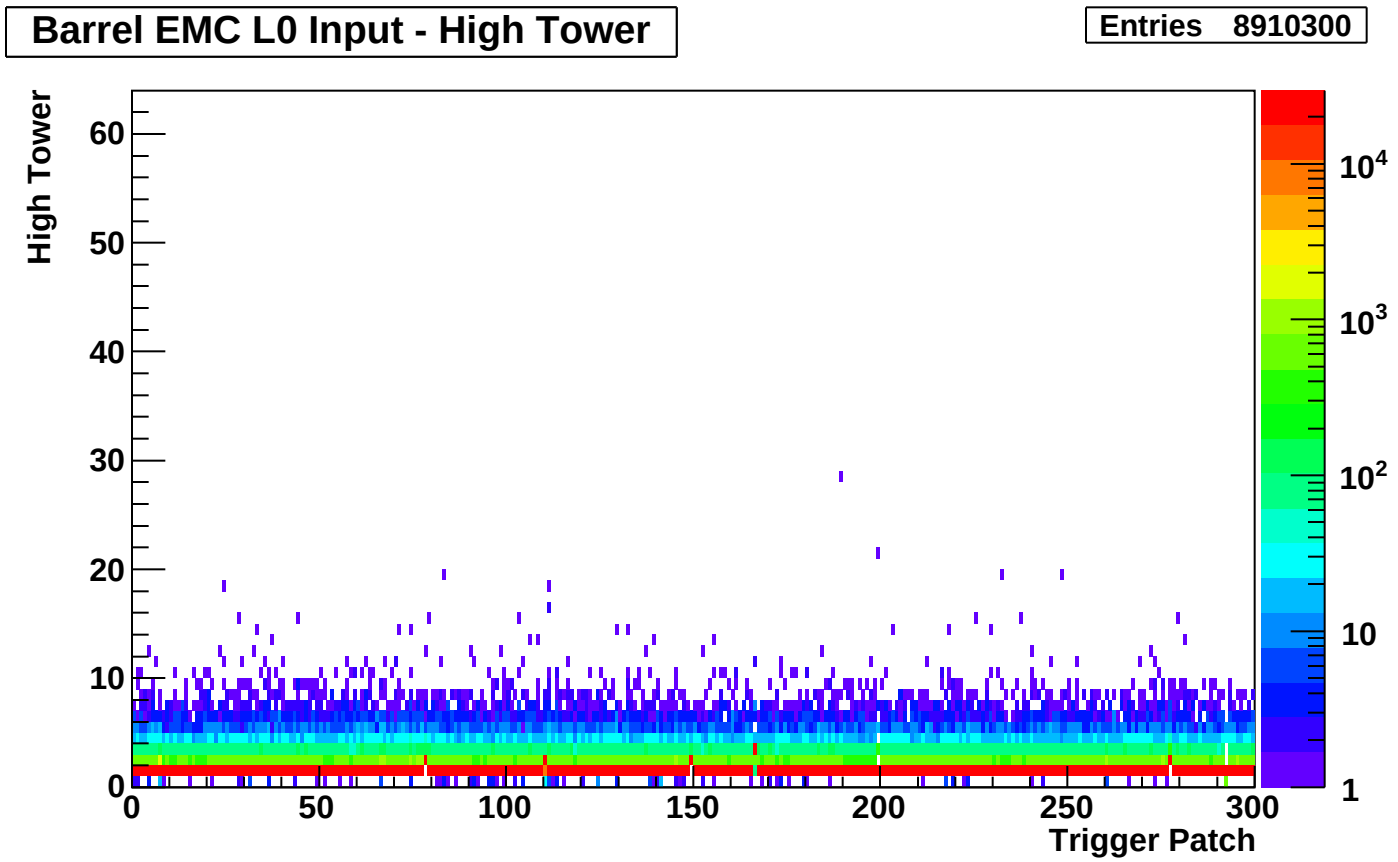

Last DSM Ch3 Input
Entries 475216
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

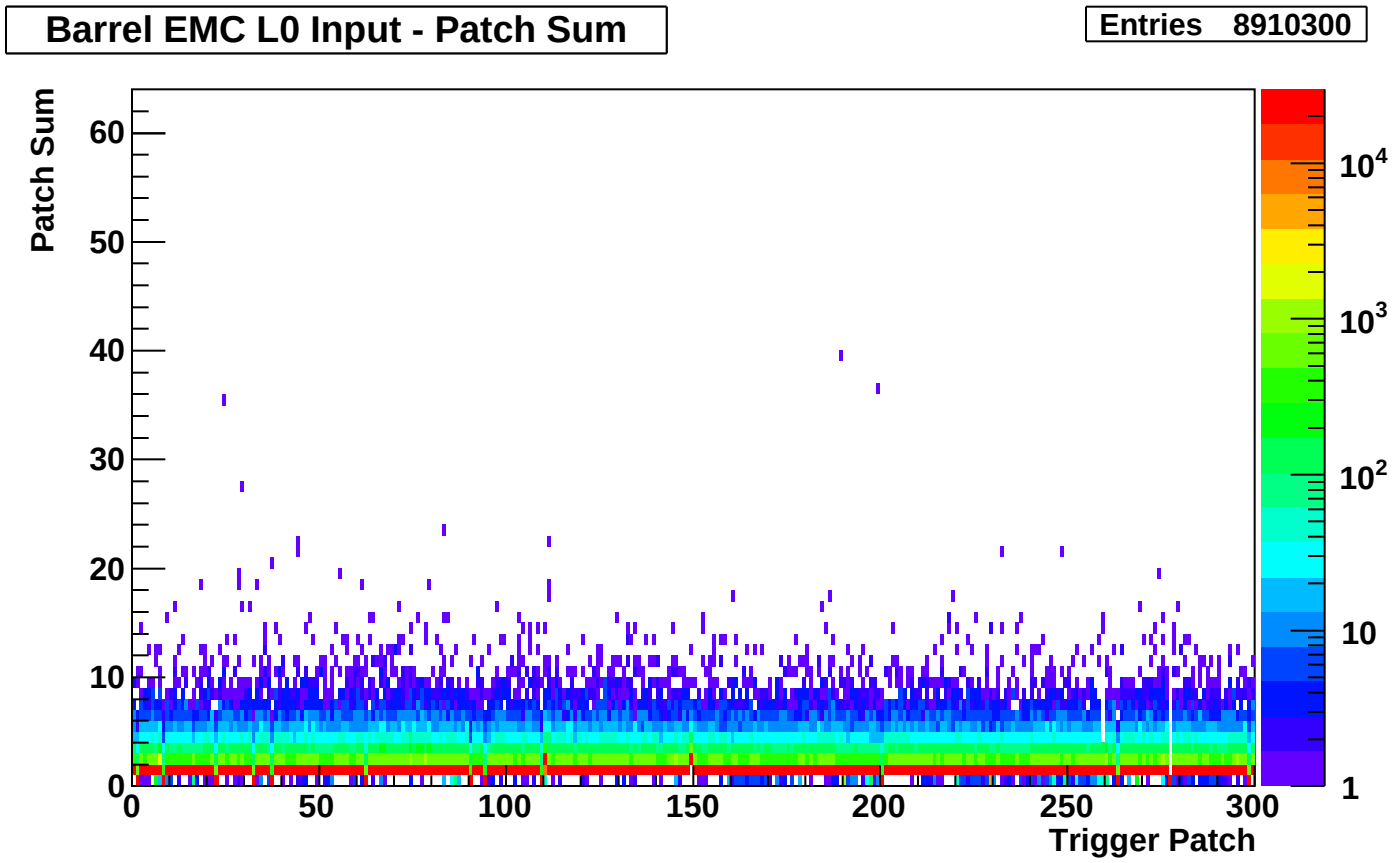

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

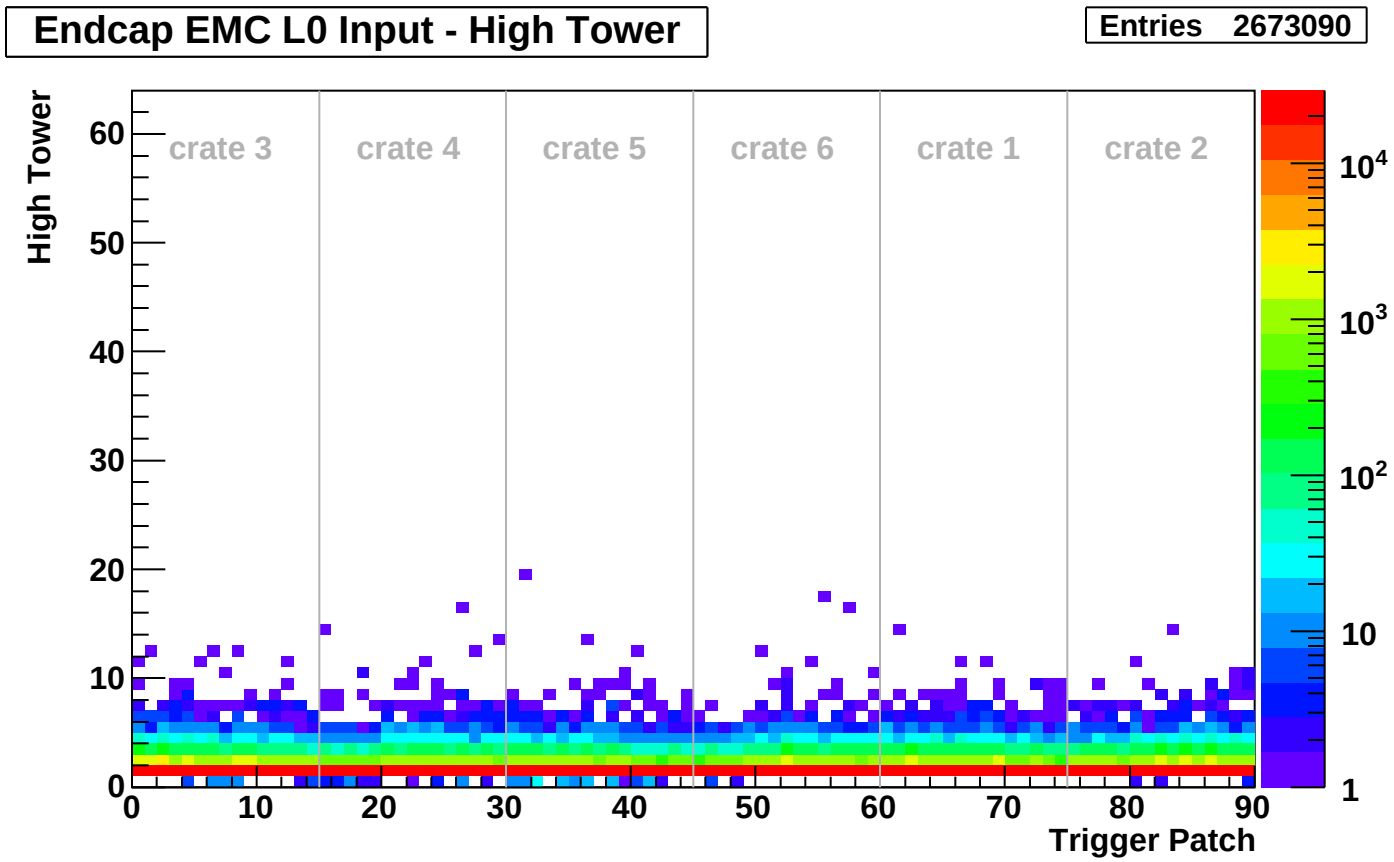

TCU bits
Entries 475216
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

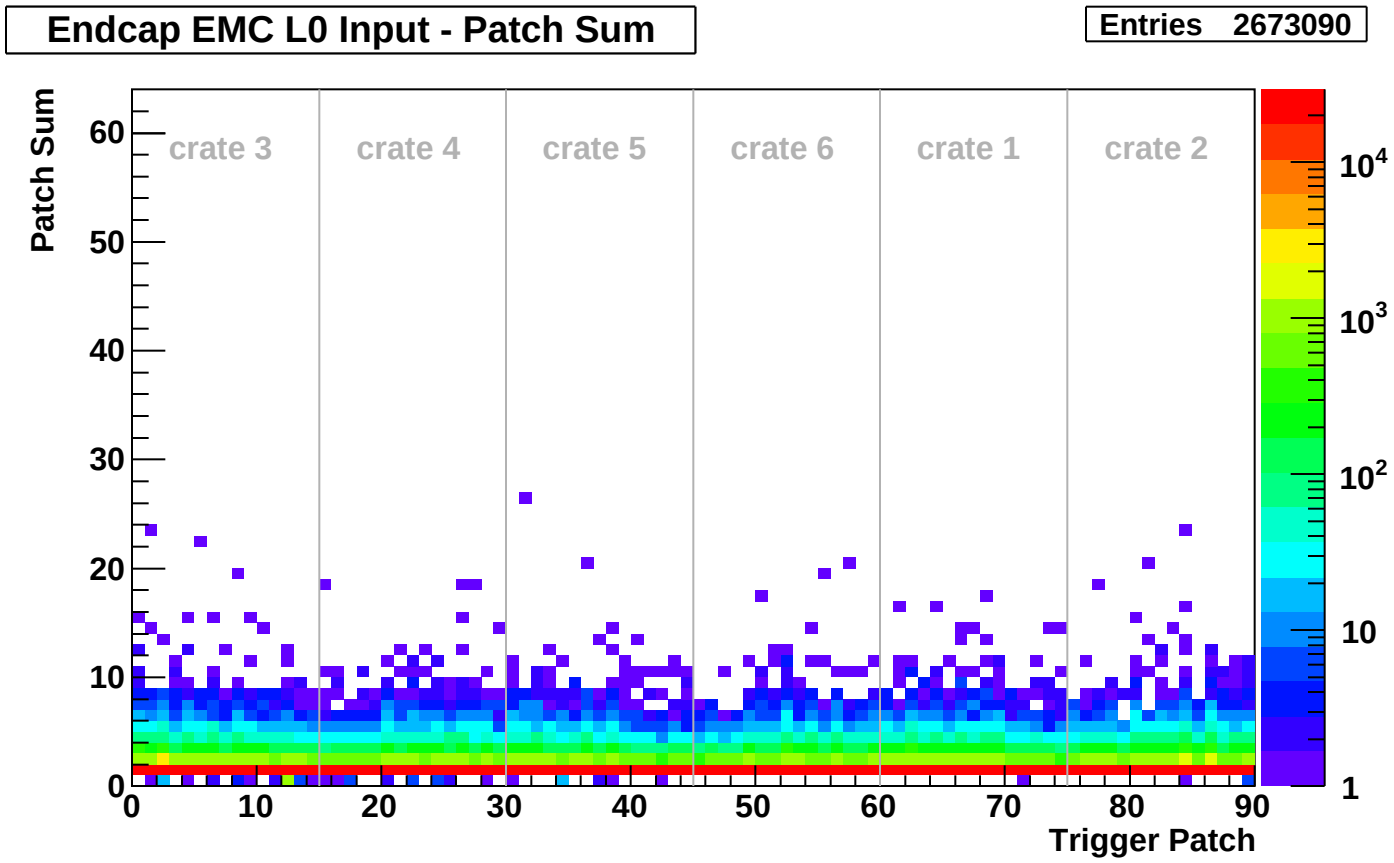

TCU bits
Entries 39626
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

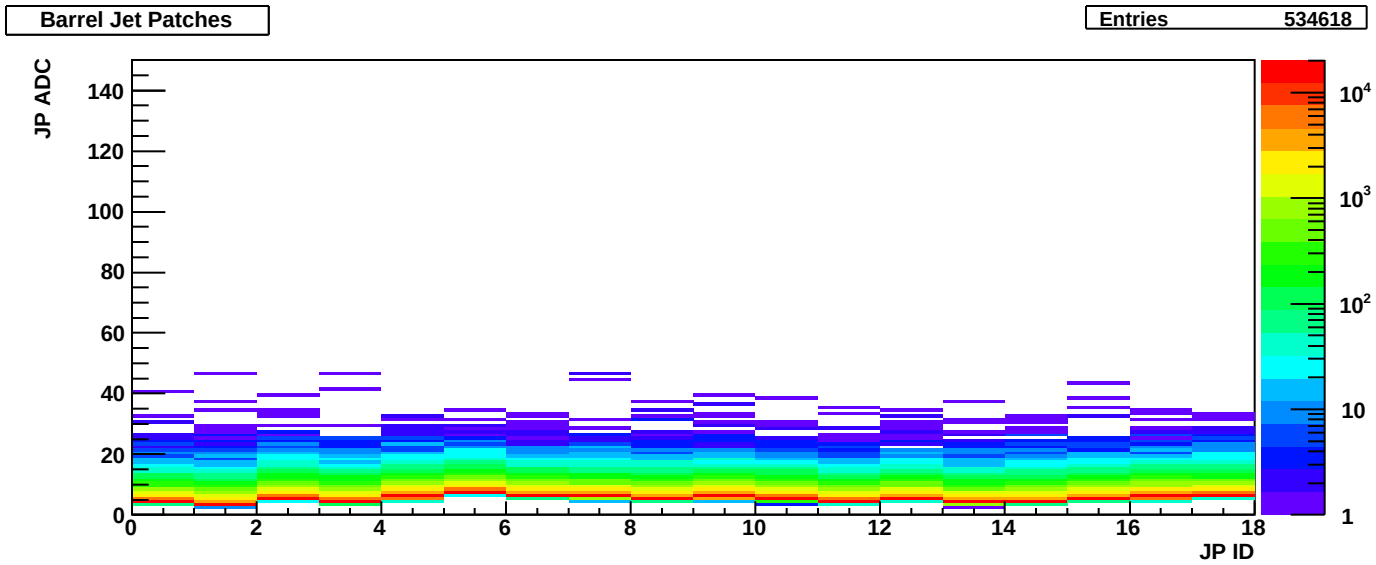

BunchId7Bit (all events)
Entries 29701

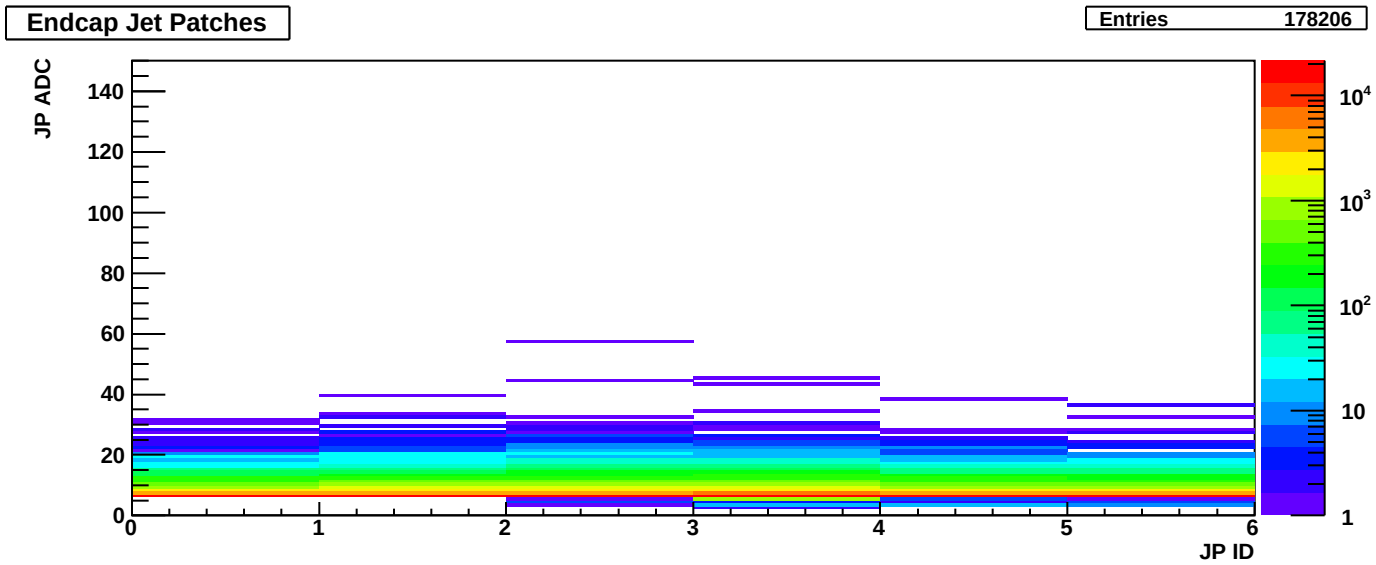

Barrel EMC L0 Input - High Tower
Entries 8910300
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

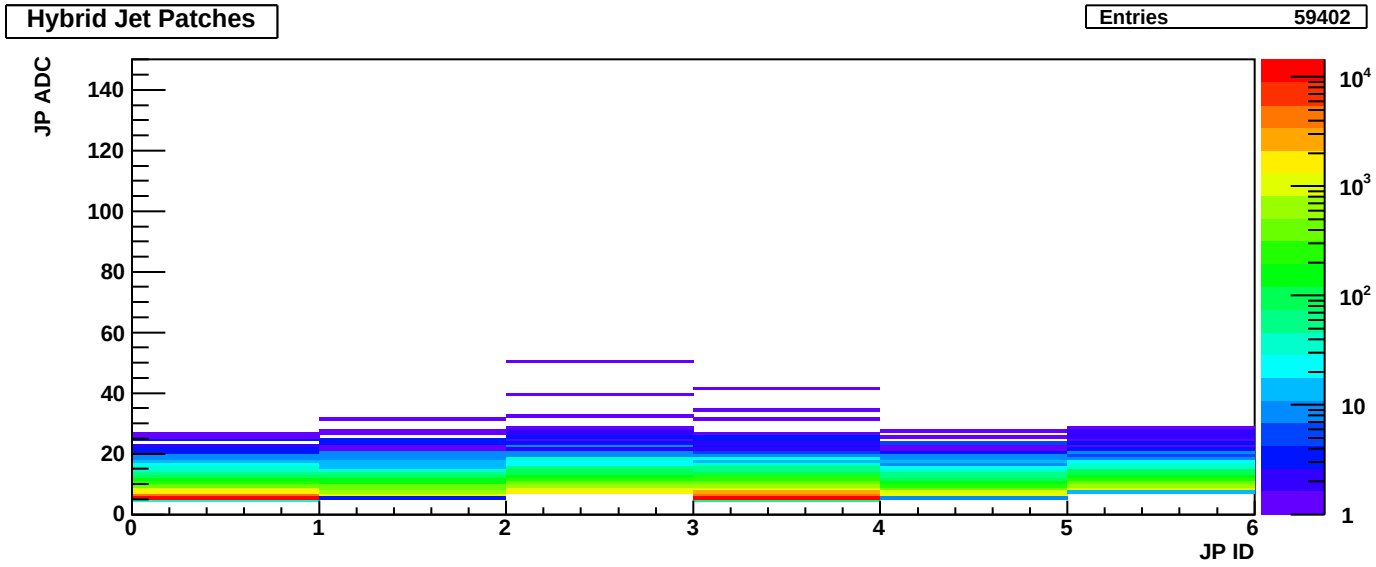

Barrel EMC L0 Input - Patch Sum
Entries 8910300
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

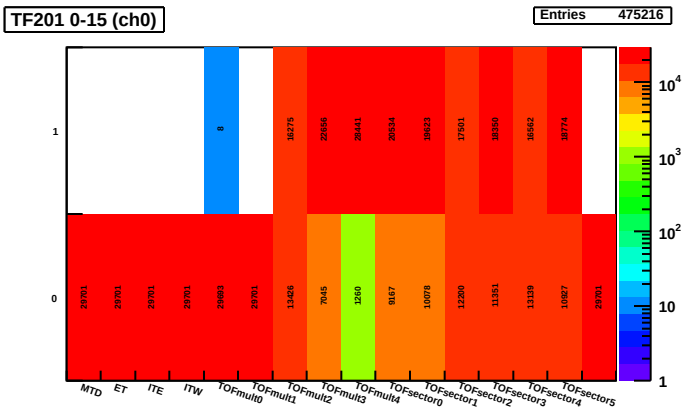

Endcap EMC L0 Input - High Tower
Entries 2673090
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3
10^4

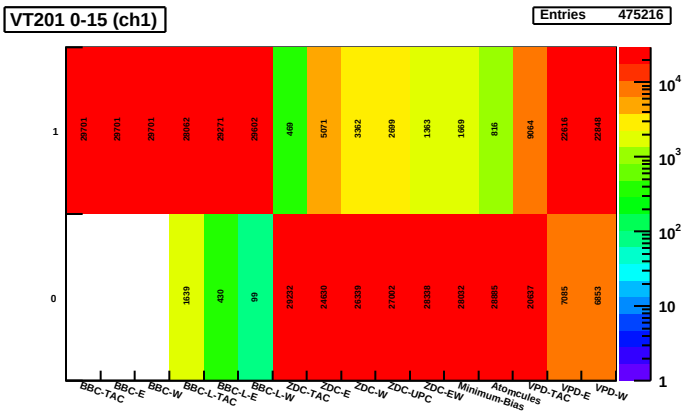

Endcap EMC L0 Input - Patch Sum
Entries 2673090
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3
10^4

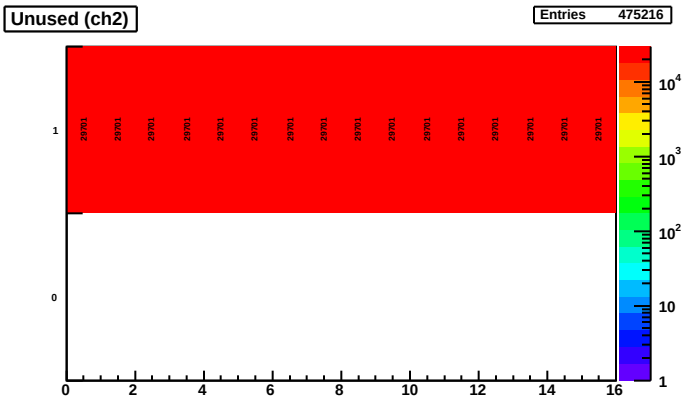

Barrel Jet Patches
Entries 534618
JP ADC
JP ID

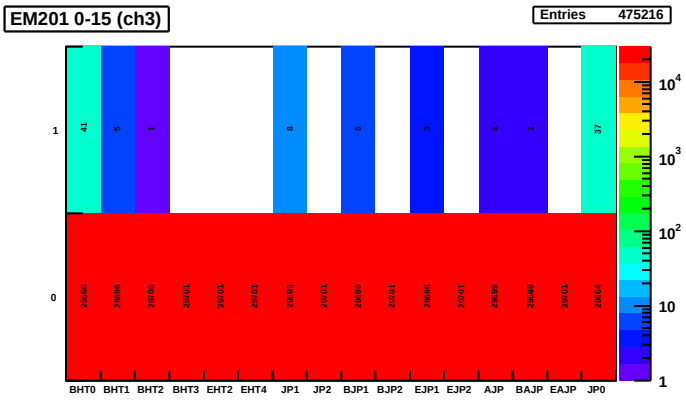

Endcap Jet Patches
Entries 178206
JP ADC
JP ID

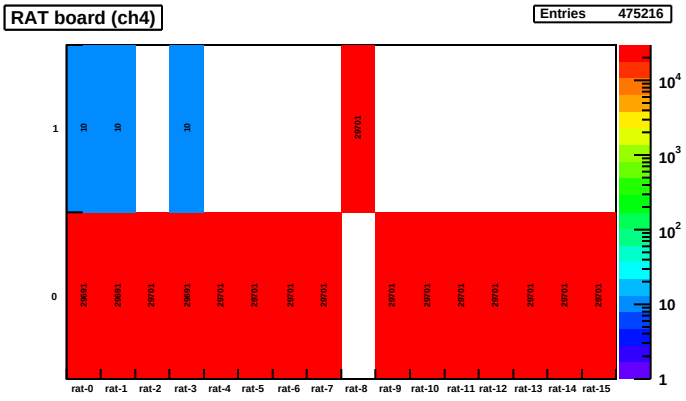

Hybrid Jet Patches
Entries 59402
JP ADC
JP ID

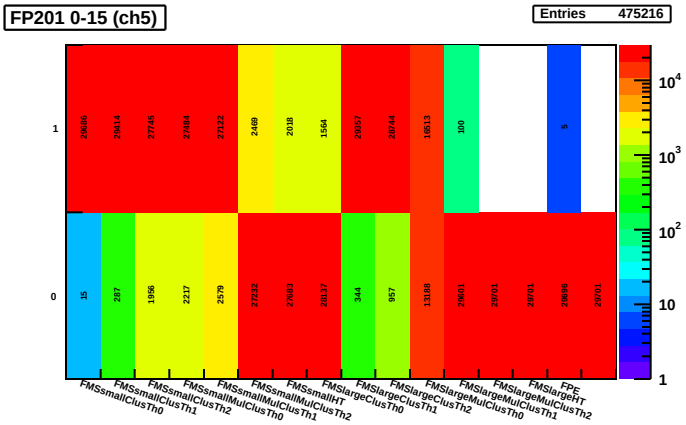

TF201 0-15 (ch0)
Entries 475216
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

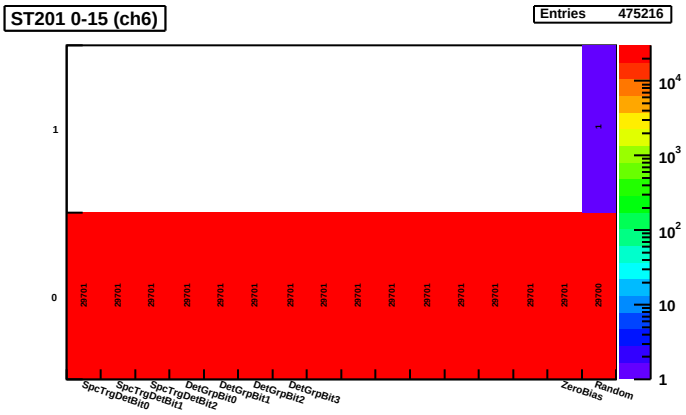

VT201 0-15 (ch1)
Entries 475216
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

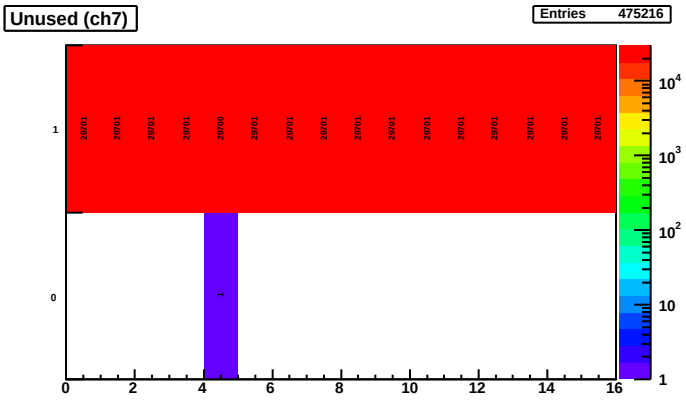

Unused (ch2)
Entries 475216

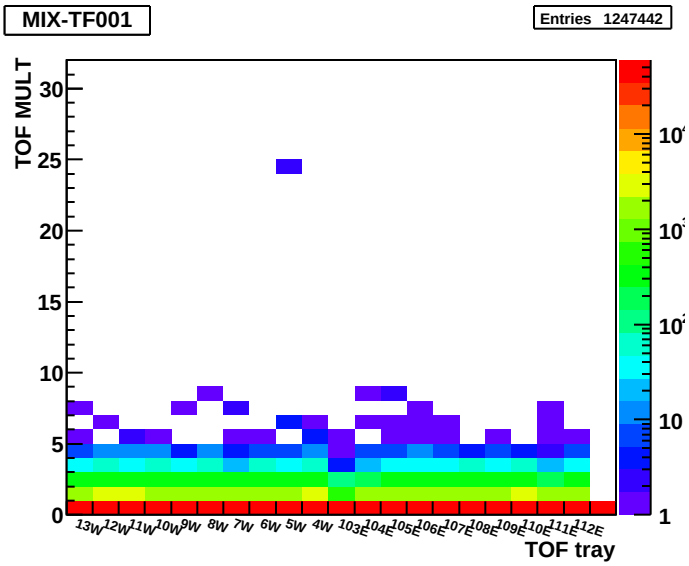

EM201 0-15 (ch3)
Entries 475216
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

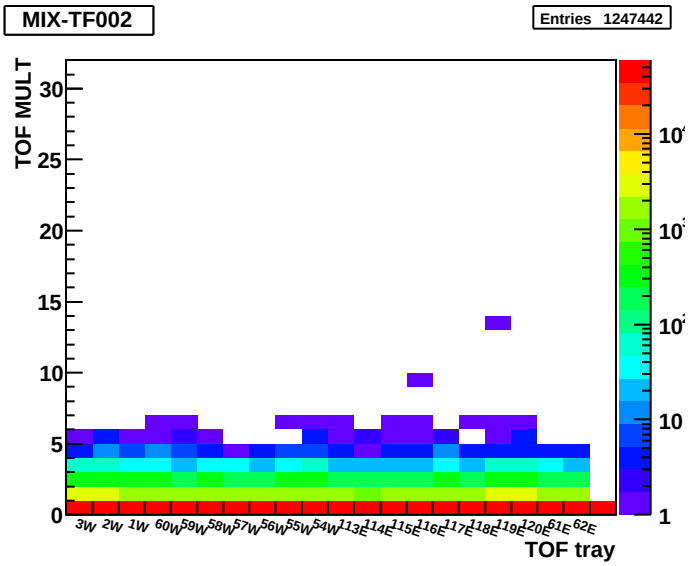

RAT board (ch4)
Entries 475216
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

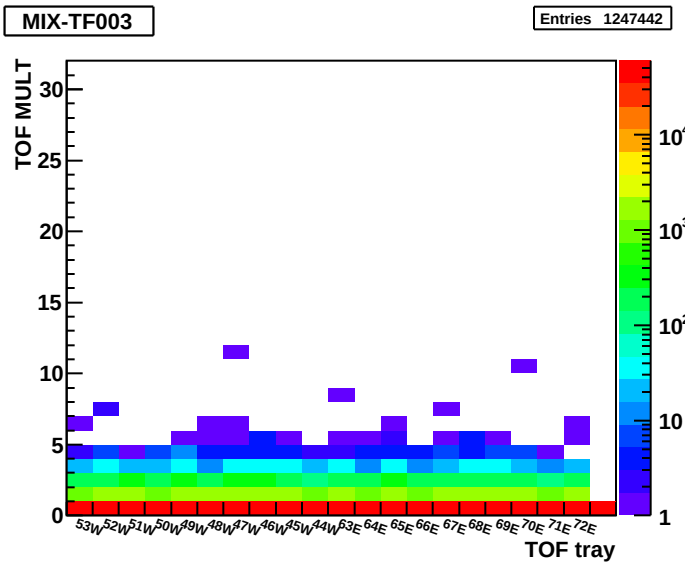

FP201 0-15 (ch5)
Entries 475216
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

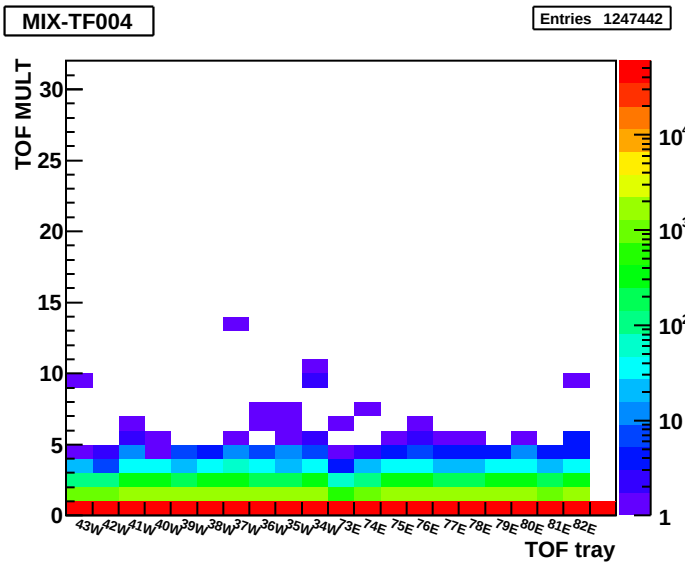

ST201 0-15 (ch6)
Entries 475216
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

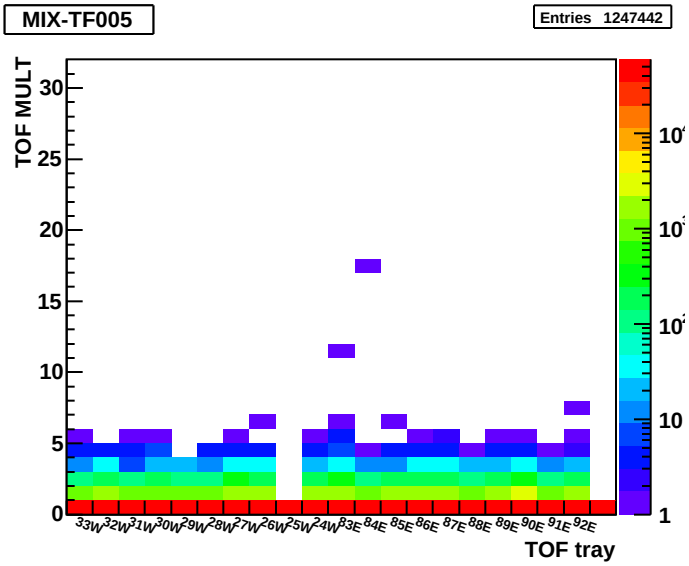

Unused (ch7)
Entries 475216

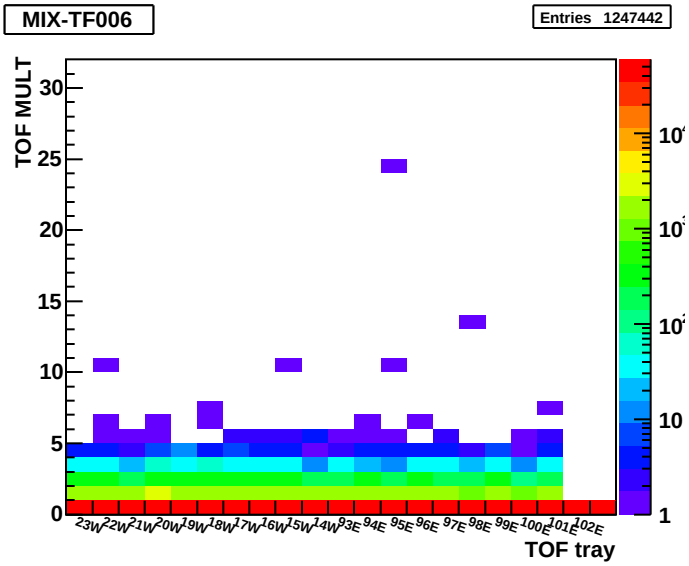

MIX-TF001
Entries 1247442
TOF MULT
TOF tray

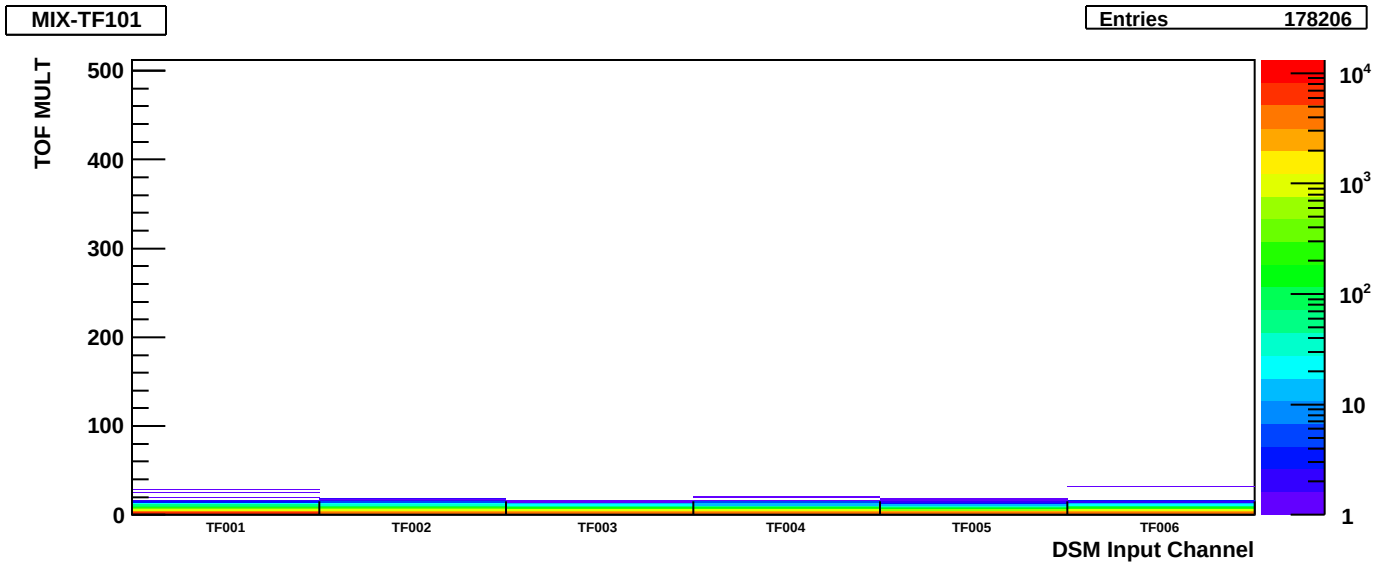

MIX-TF002
Entries 1247442
TOF MULT
TOF tray

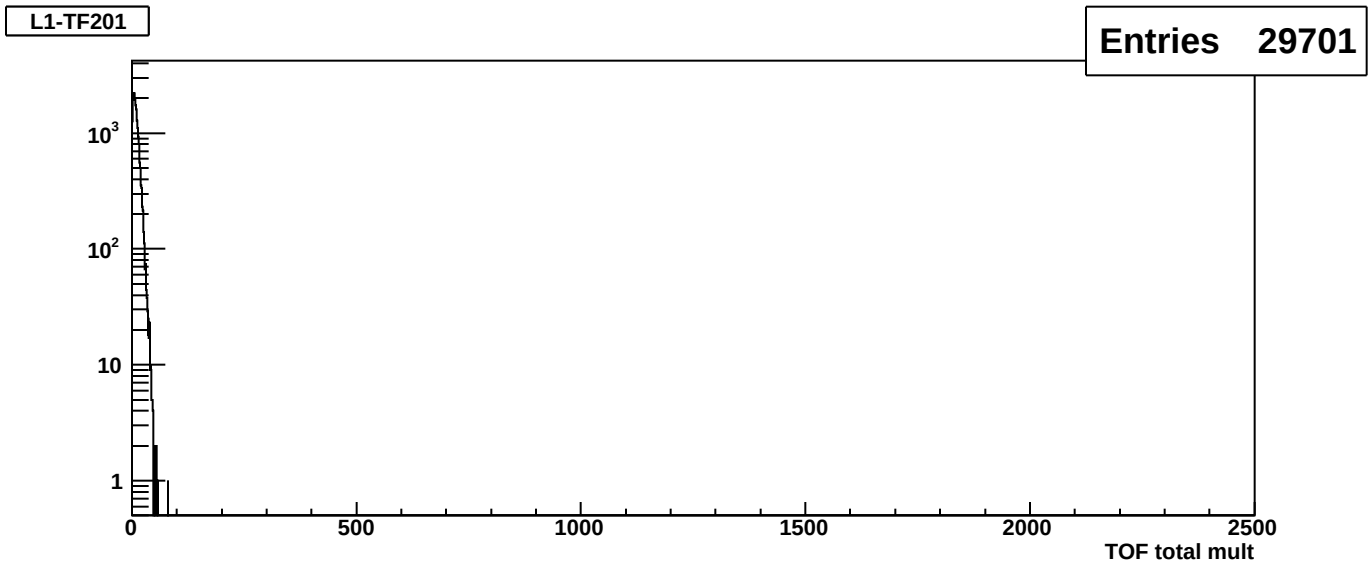

MIX-TF003
Entries 1247442
TOF MULT
TOF tray

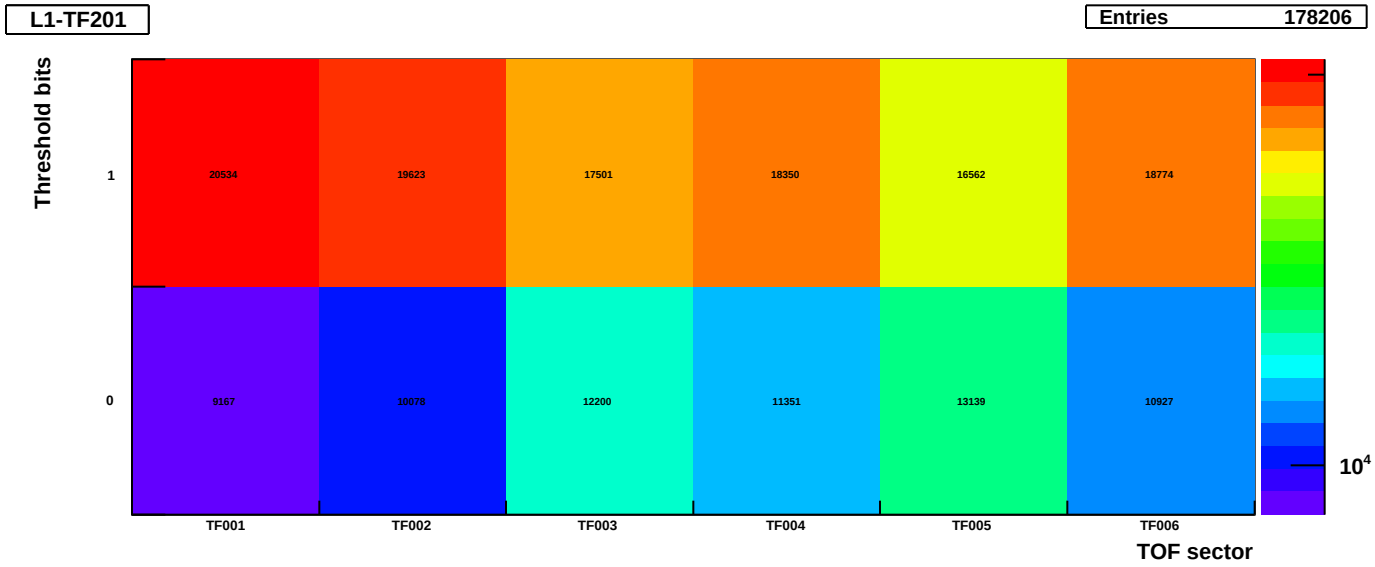

MIX-TF004
Entries 1247442
TOF MULT
TOF tray

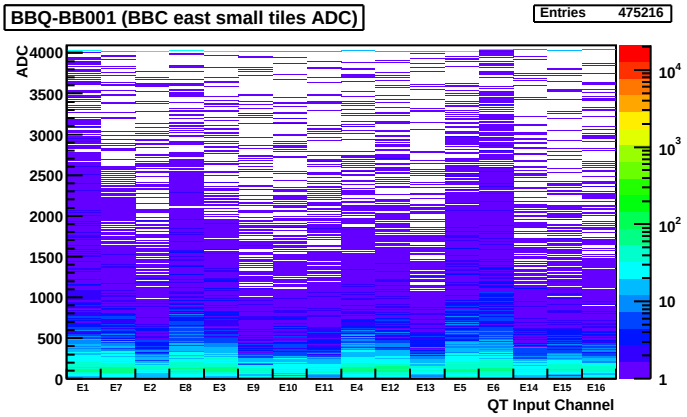

MIX-TF005
Entries 1247442
TOF MULT
TOF tray

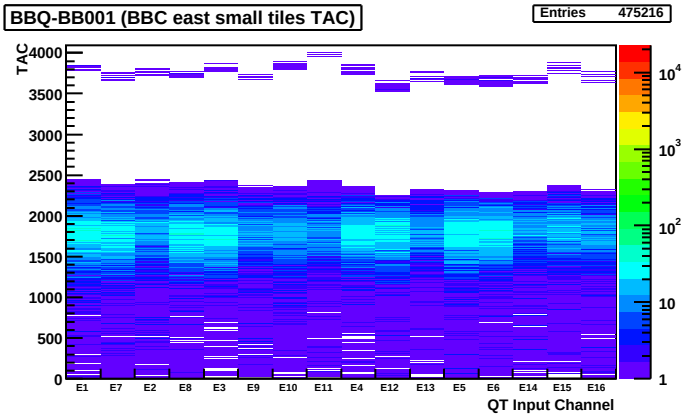

MIX-TF006
Entries 1247442
TOF MULT
TOF tray

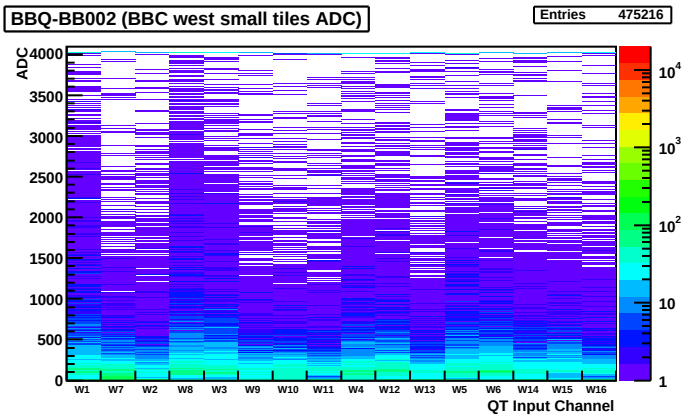

MIX-TF101
Entries 178206
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

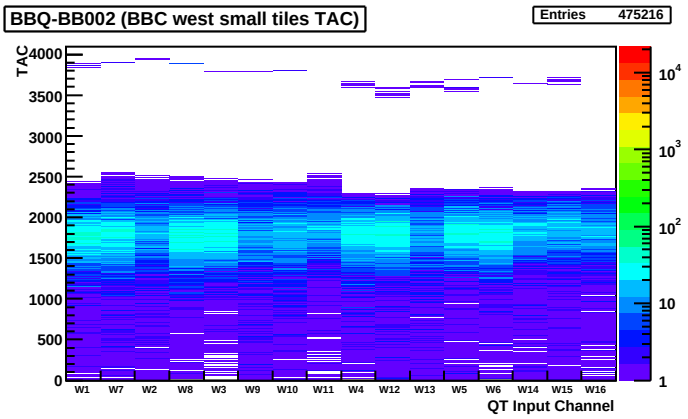

L1-TF201
Entries 29701
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

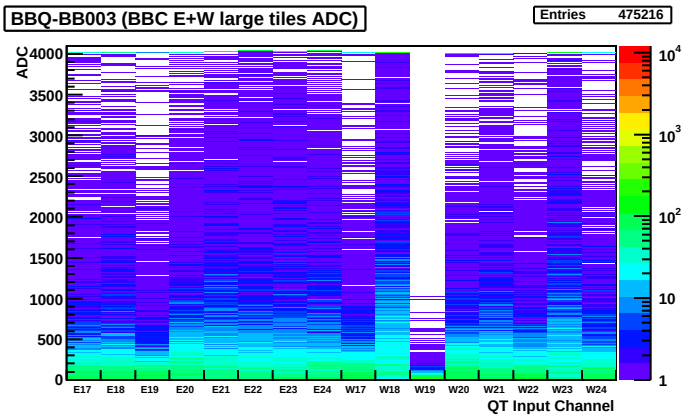

L1-TF201
Entries 178206
Threshold bits
1
0
20534
19623
17501
18350
16562
18774
9167
10078
12200
11351
13139
10927
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

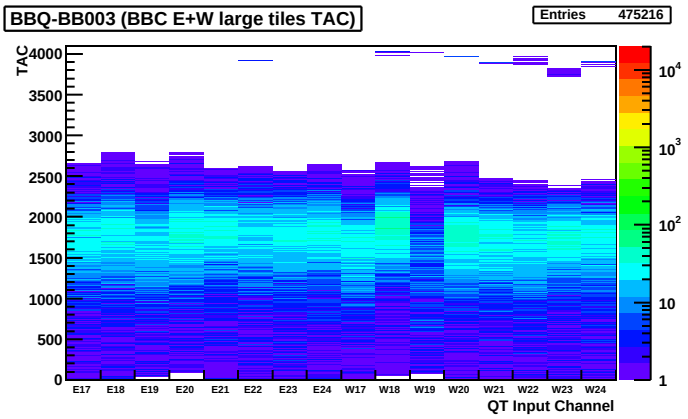

BBQ-BB001 (BBC east small tiles ADC)
Entries 475216
ADC
QT Input Channel

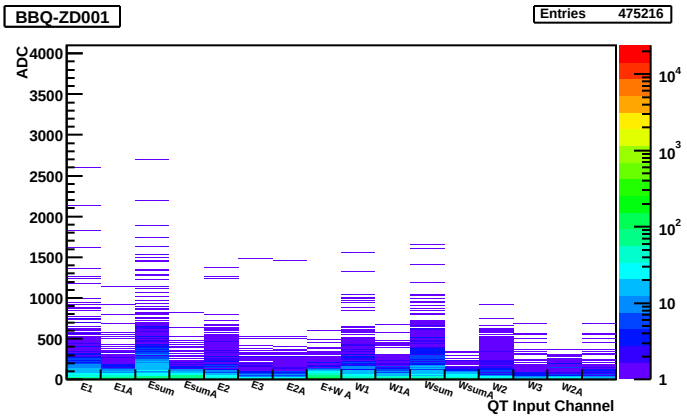

BBQ-BB001 (BBC east small tiles TAC)
Entries 475216
TAC
QT Input Channel

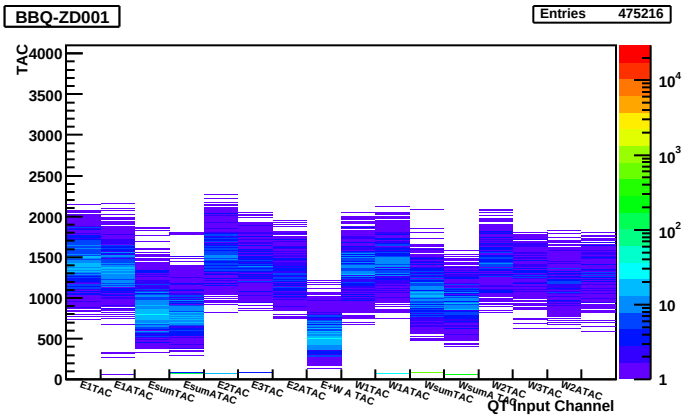

BBQ-BB002 (BBC west small tiles ADC)
Entries 475216
ADC
QT Input Channel

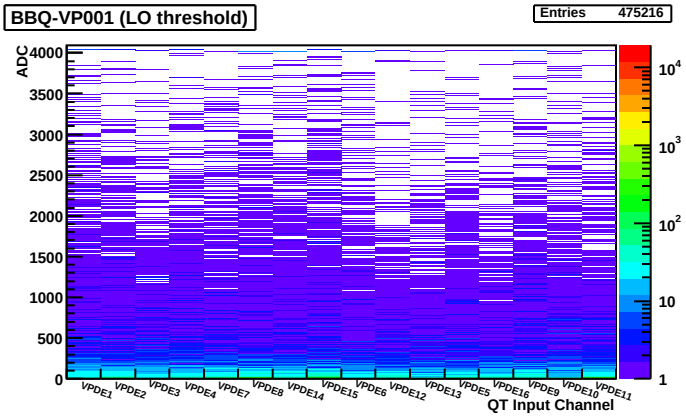

BBQ-BB002 (BBC west small tiles TAC)
Entries 475216
TAC
QT Input Channel

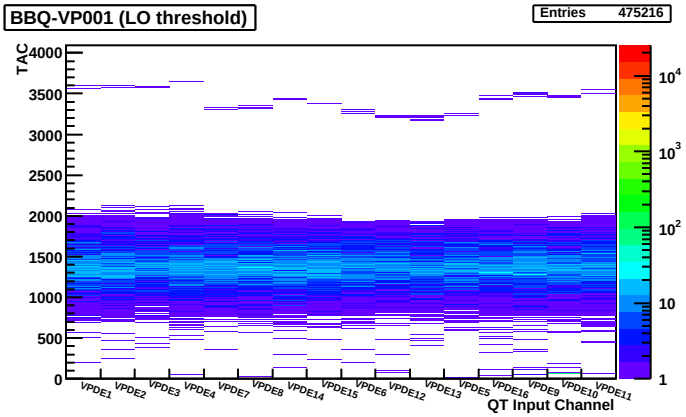

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 475216
ADC
QT Input Channel

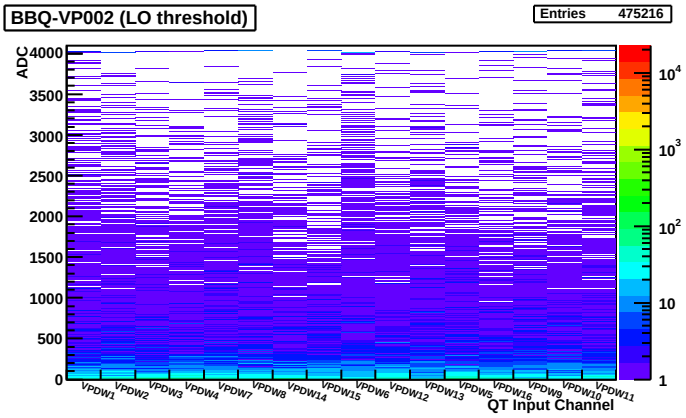

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 475216
TAC
QT Input Channel

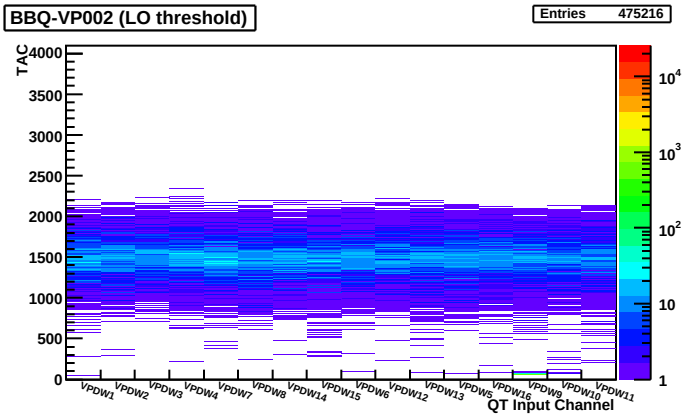

BBQ-ZD001
Entries 475216
ADC
QT Input Channel

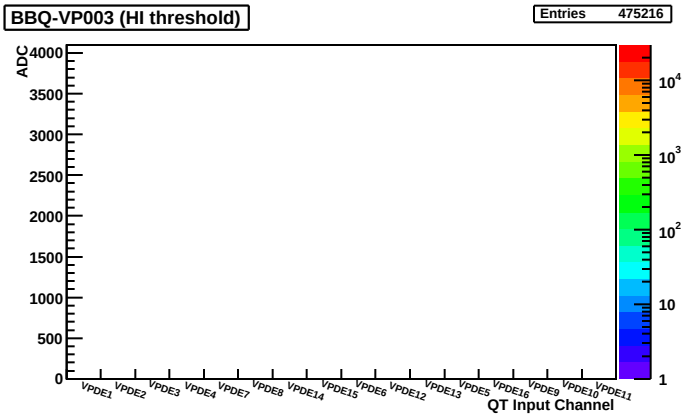

BBQ-ZD001
Entries 475216
TAC
QT Input Channel

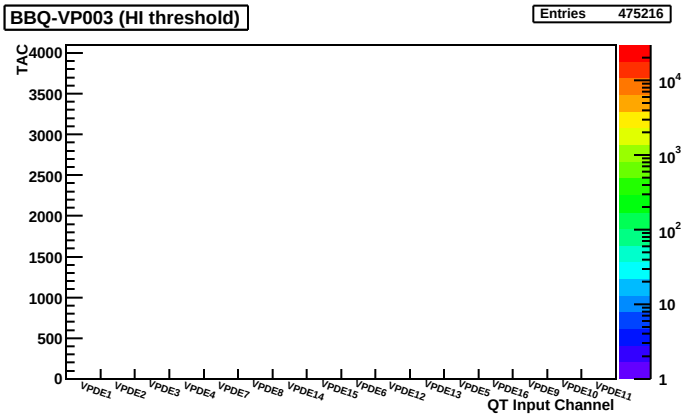

BBQ-VP001 (LO threshold)
Entries 475216
ADC
QT Input Channel

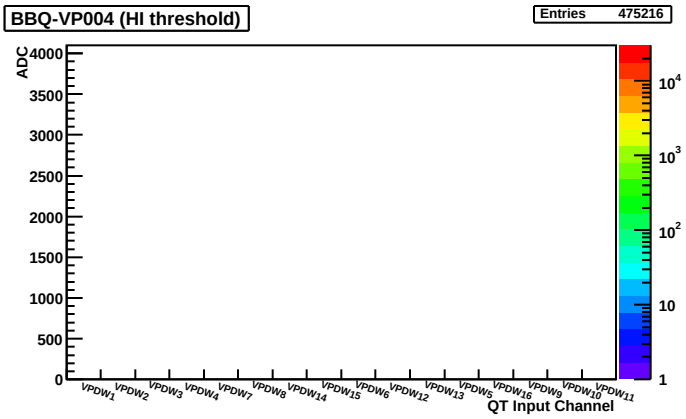

BBQ-VP001 (LO threshold)
Entries 475216
TAC
QT Input Channel

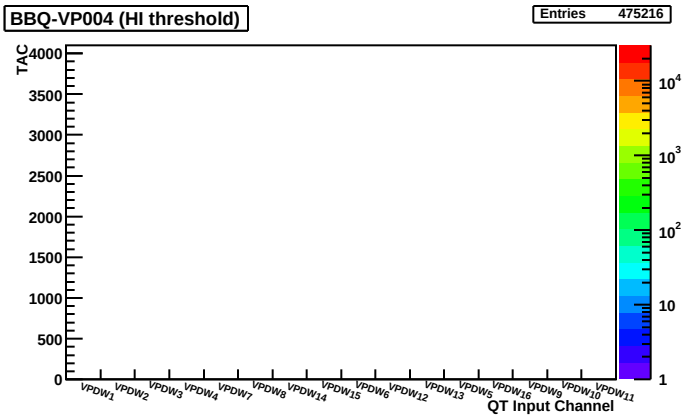

BBQ-VP002 (LO threshold)
Entries 475216
ADC
QT Input Channel

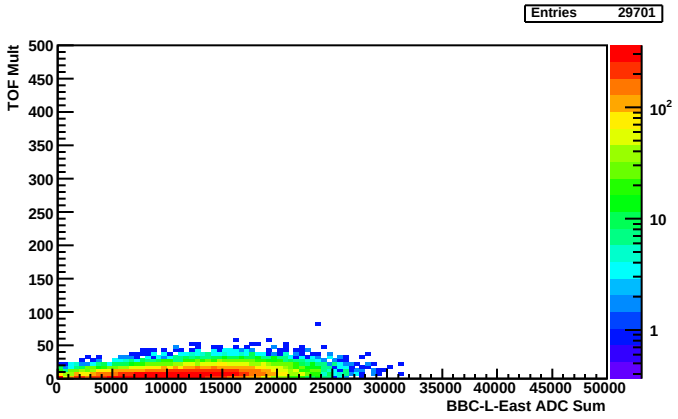

BBQ-VP002 (LO threshold)
Entries 475216
TAC
QT Input Channel

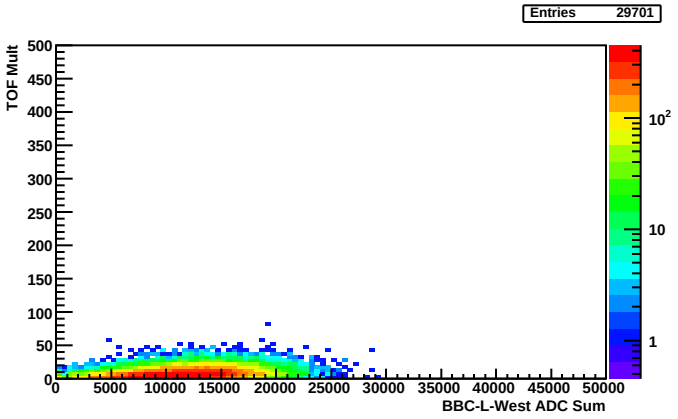

BBQ-VP003 (HI threshold)
Entries 475216
ADC
QT Input Channel

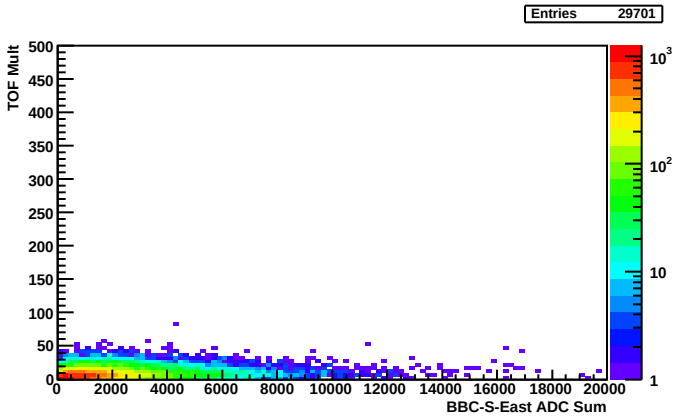

BBQ-VP003 (HI threshold)
Entries 475216
TAC
QT Input Channel

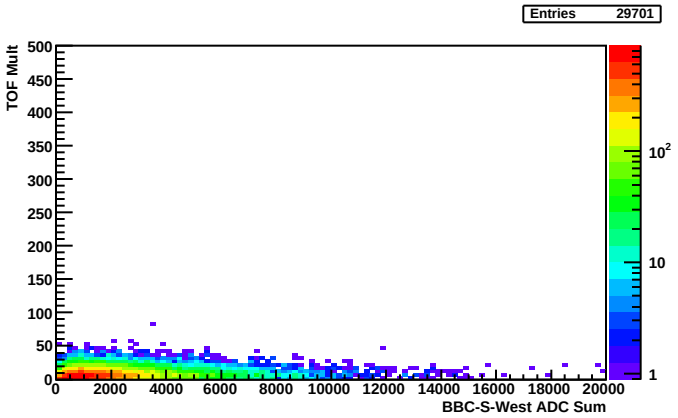

BBQ-VP004 (HI threshold)
Entries 475216
ADC
QT Input Channel

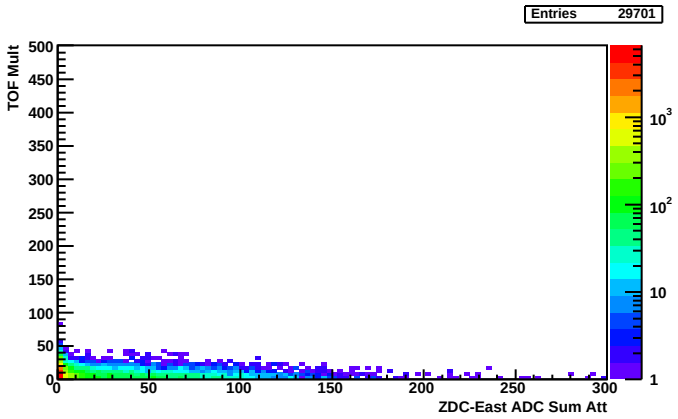

BBQ-VP004 (HI threshold)
Entries 475216
TAC
QT Input Channel

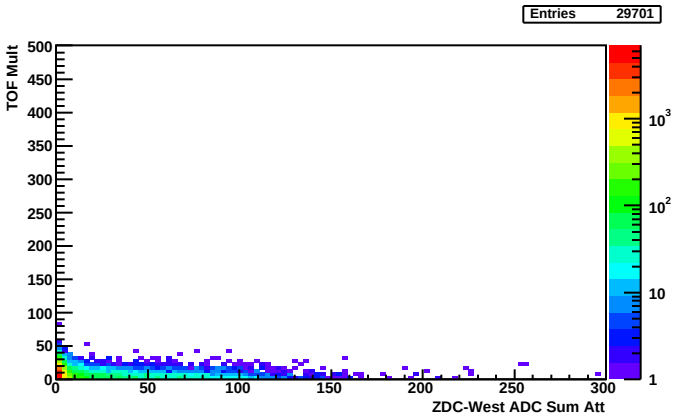

Entries 29701
TOF Mult
BBC-L-East ADC Sum

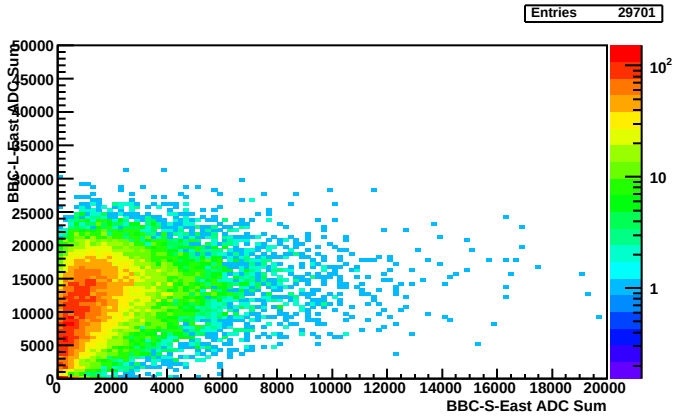

Entries 29701
TOF Mult
BBC-L-West ADC Sum

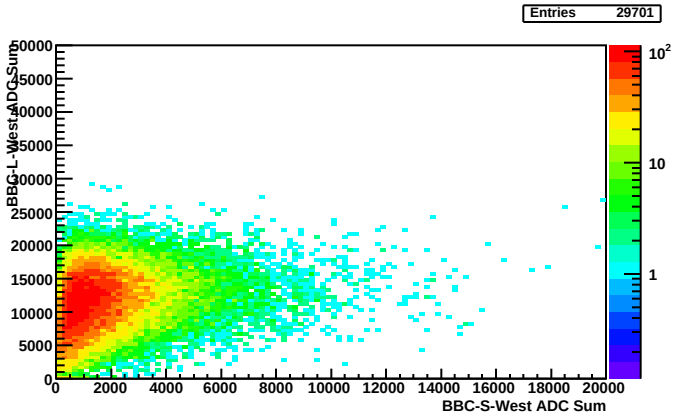

Entries 29701
TOF Mult
BBC-S-East ADC Sum

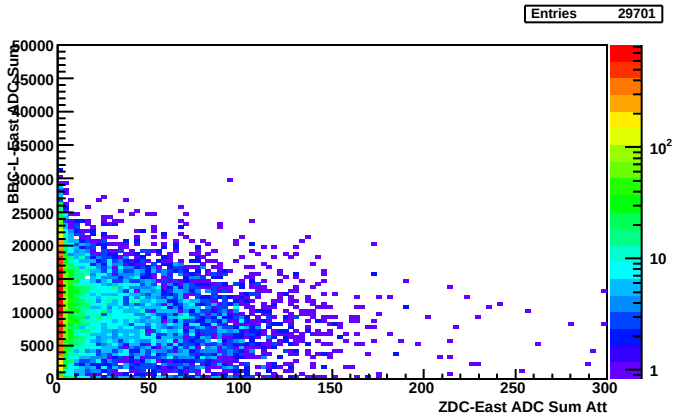

Entries 29701
TOF Mult
BBC-S-West ADC Sum

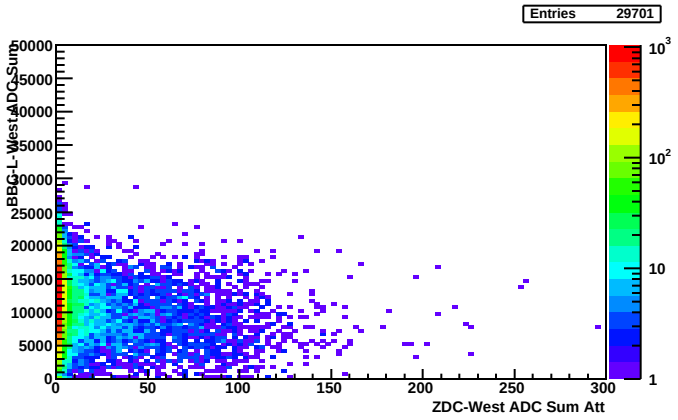

Entries 29701
TOF Mult
ZDC-East ADC Sum Att

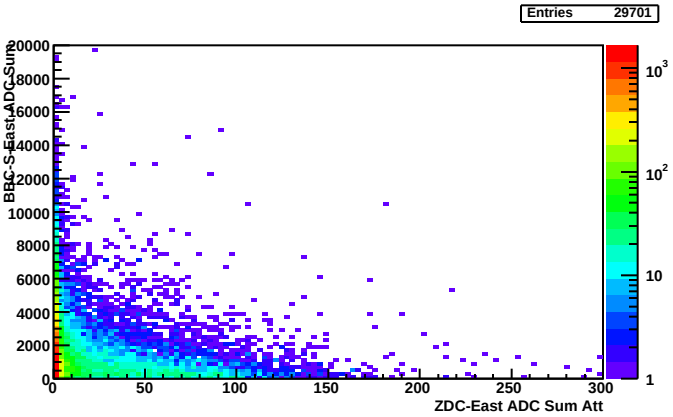

Entries 29701
TOF Mult
ZDC-West ADC Sum Att

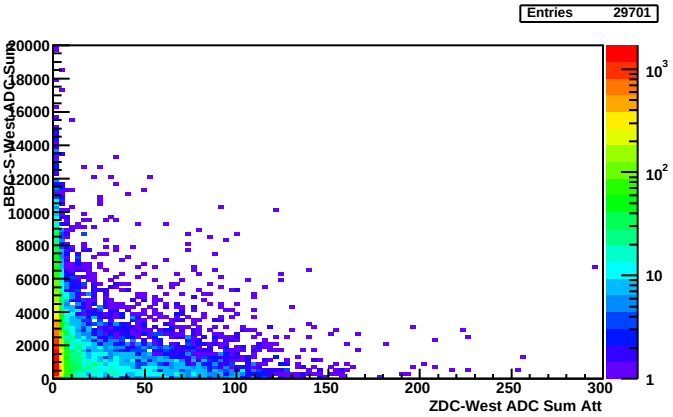

Entries 29701
BBC-L-East ADC Sum
BBC-S-East ADC Sum

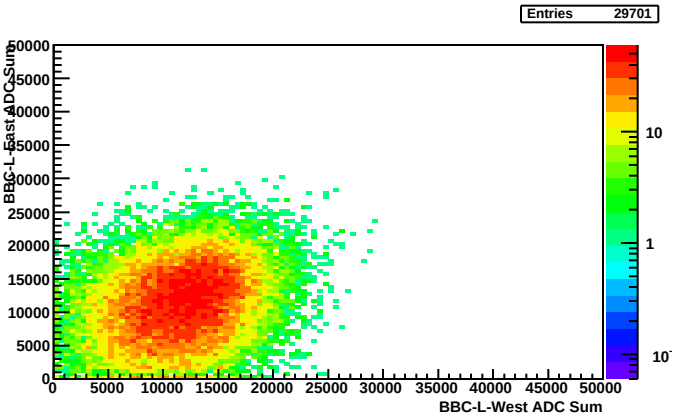

Entries 29701
BBC-L-West ADC Sum
BBC-S-West ADC Sum

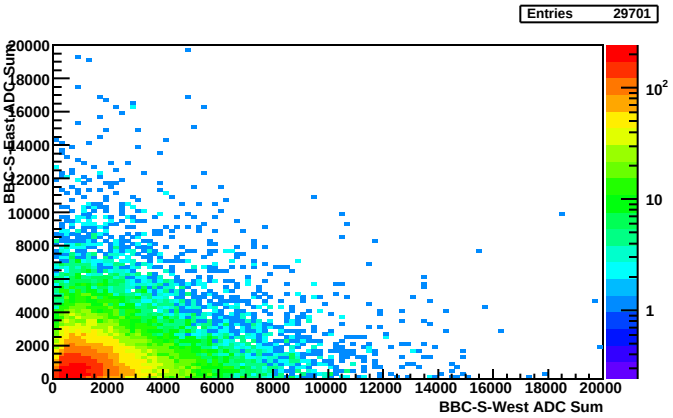

Entries 29701
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

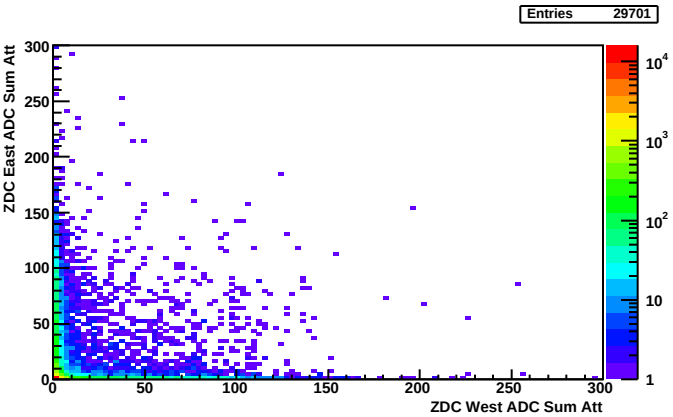

Entries 29701
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

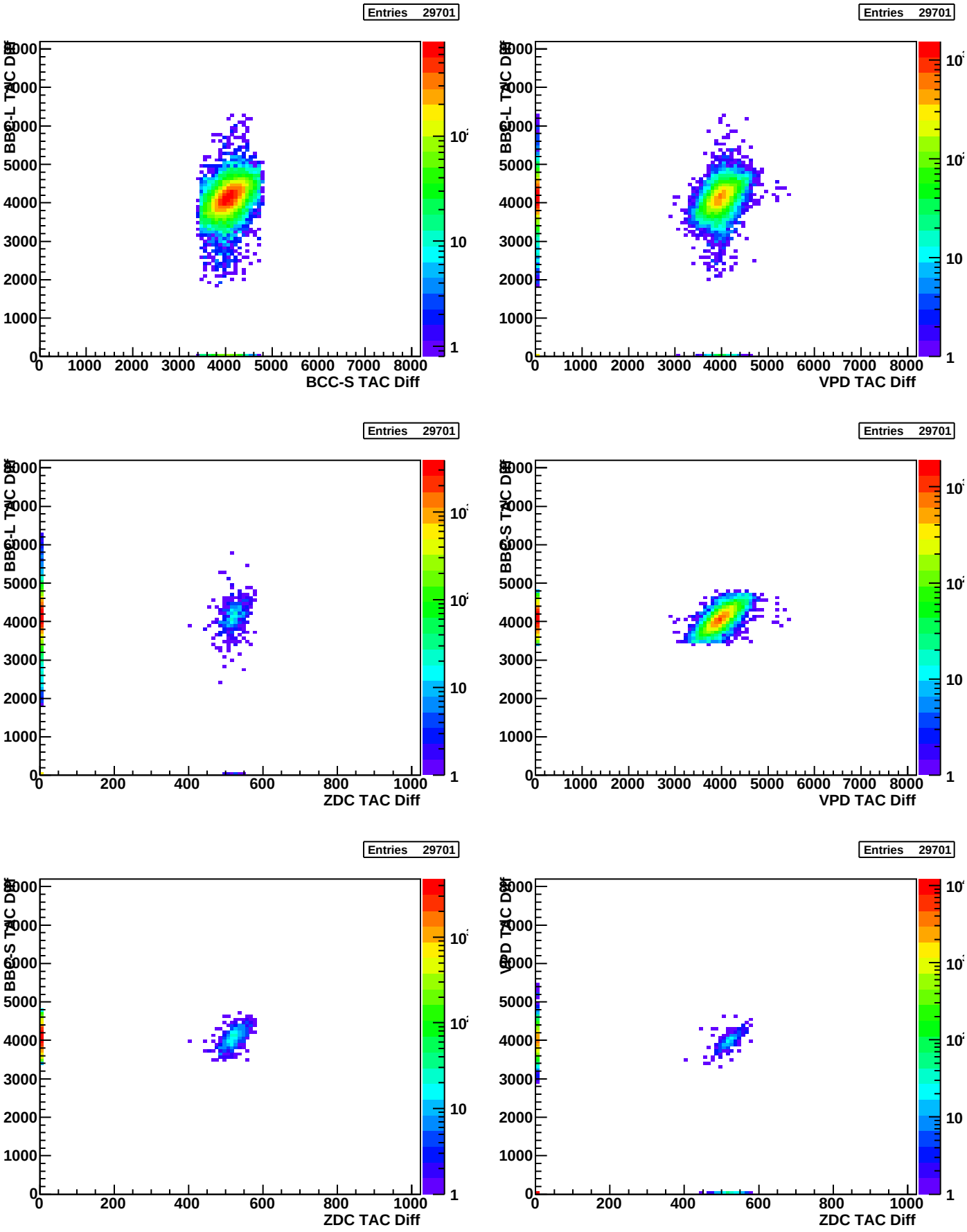

Entries 29701
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

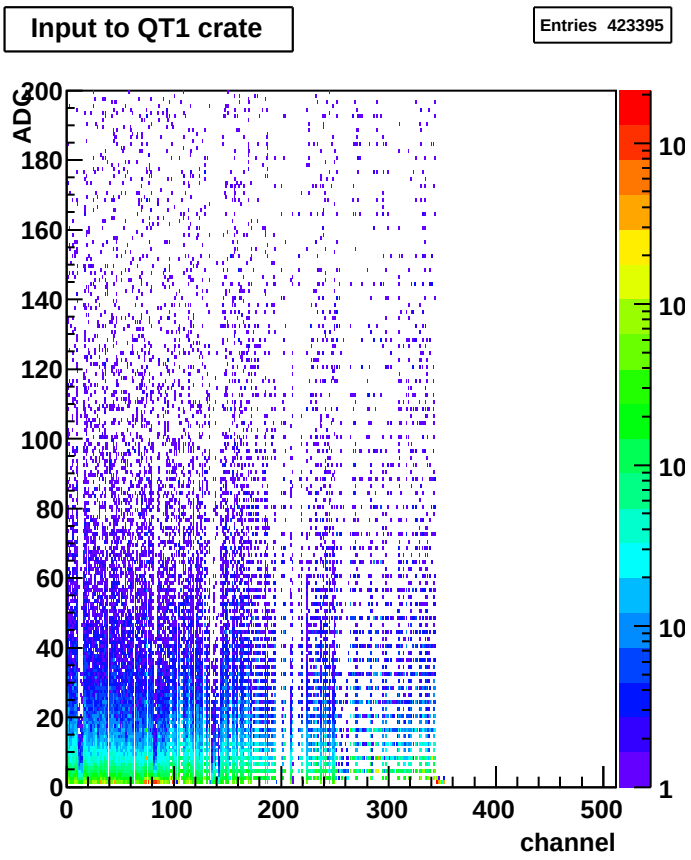

Entries 29701
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

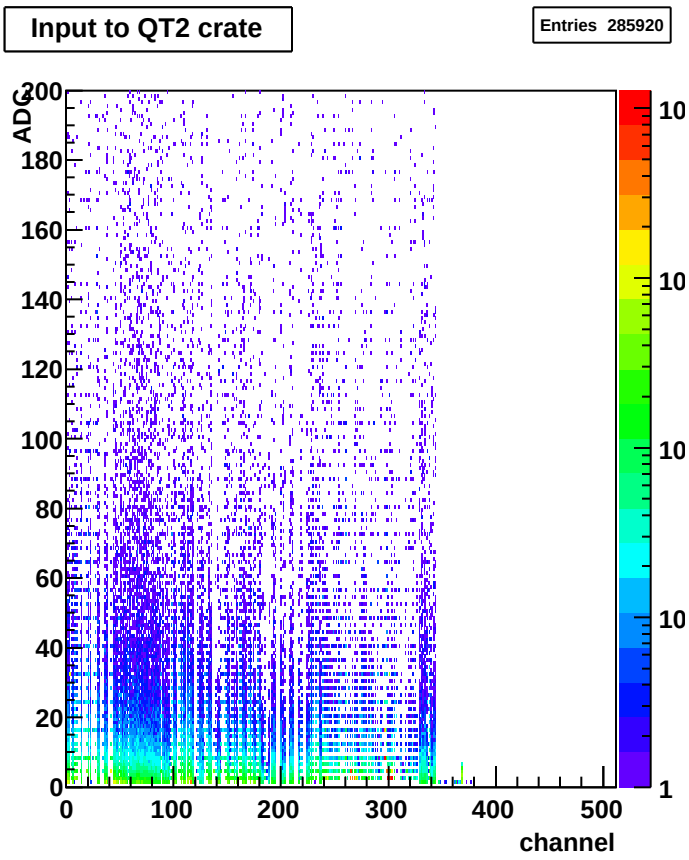

Entries 29701
BBC-L-East ADC Sum
BBC-L-West ADC Sum

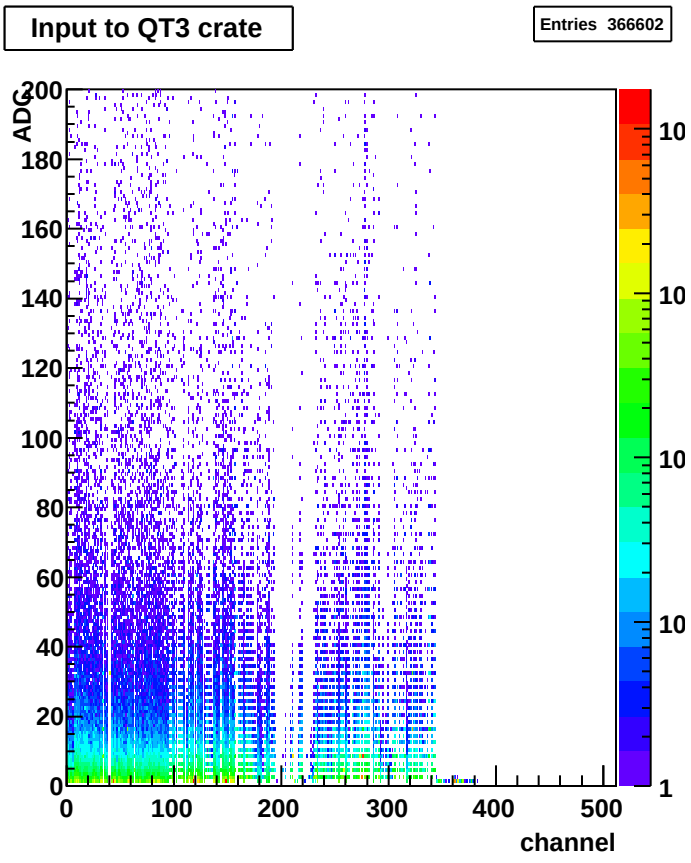

Entries 29701
BBC-S-East ADC Sum
BBC-S-West ADC Sum

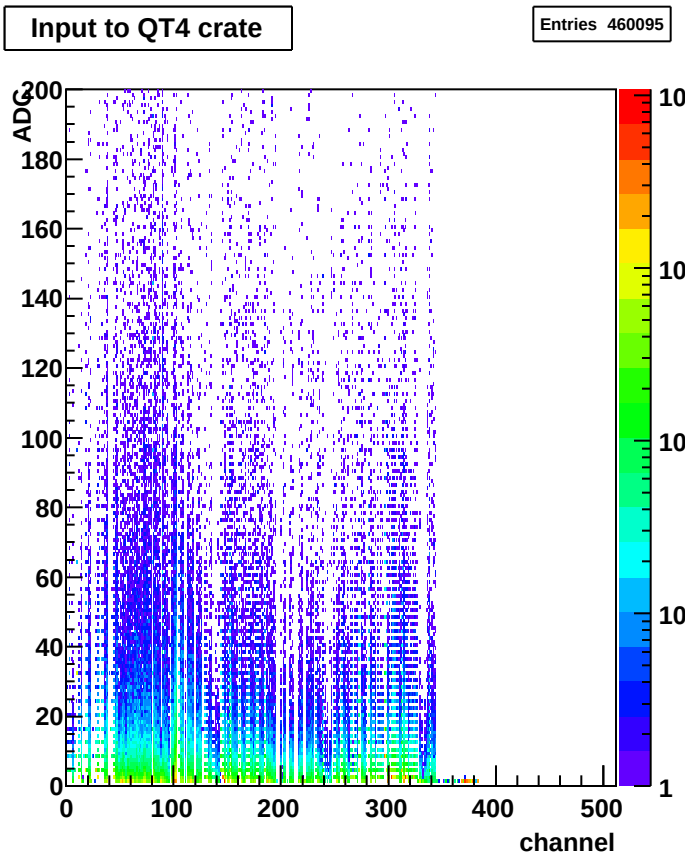

Entries 29701
ZDC East ADC Sum Att
ZDC West ADC Sum Att

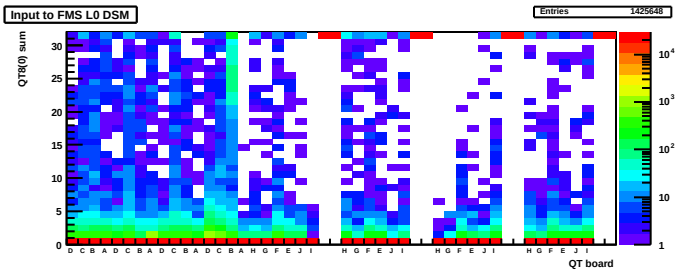

Entries 29701
BBC-L TAC Diff
BCC-S TAC Diff
Entries 29701
BBC-L TAC Diff
VPD TAC Diff
Entries 29701
BBC-L TAC Diff
ZDC TAC Diff
Entries 29701
BBC-S TAC Diff
VPD TAC Diff
Entries 29701
BBC-S TAC Diff
ZDC TAC Diff
Entries 29701
VPD TAC Diff
ZDC TAC Diff

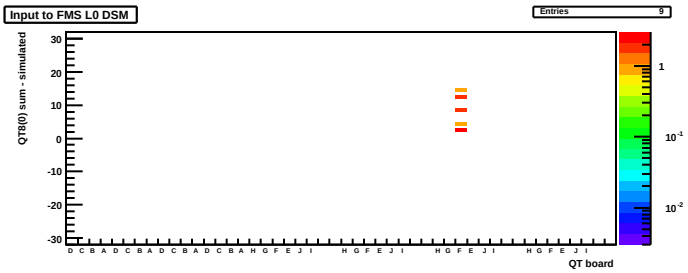

Input to QT1 crate
Entries 423395
ADC
channel

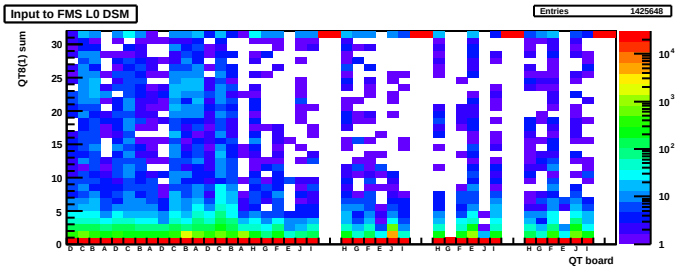

Input to QT2 crate
Entries 285920
ADC
channel

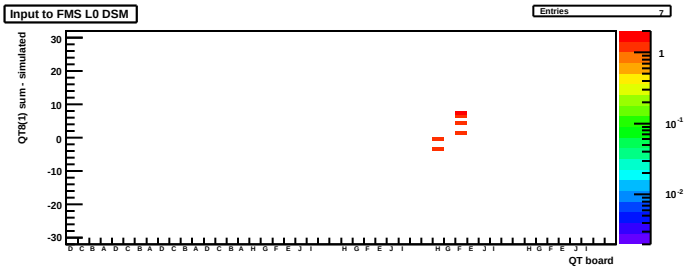

Input to QT3 crate
Entries 366602
ADC
channel

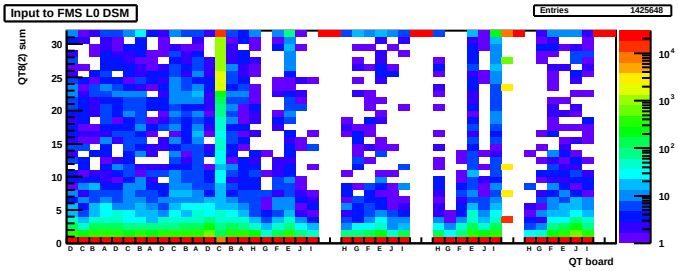

Input to QT4 crate
Entries 460095
ADC
channel

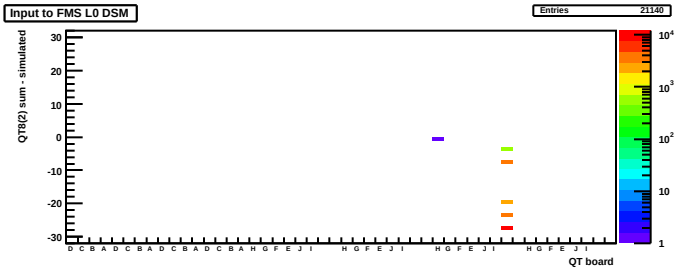

Input to FMS L0 DSM
Entries 1425648
QT8(0) sum
QT board

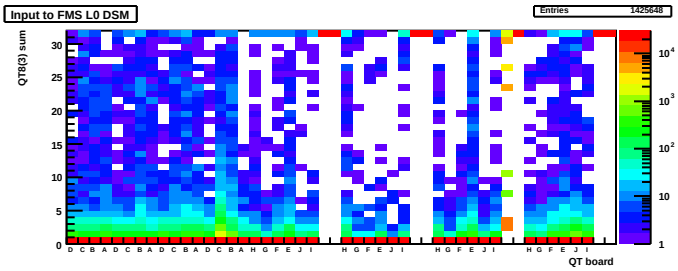

Input to FMS L0 DSM
Entries 9
QT8(0) sum - simulated
QT board

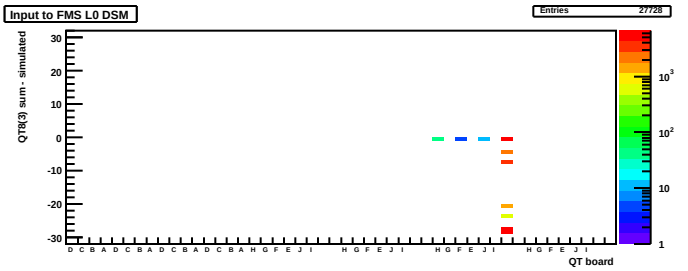

Input to FMS L0 DSM
Entries 1425648
QT8(1) sum
QT board

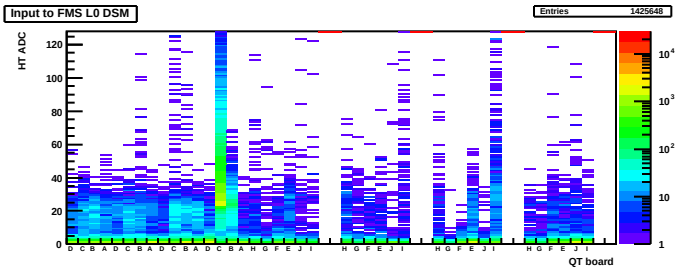

Input to FMS L0 DSM
Entries 7
QT8(1) sum - simulated
QT board

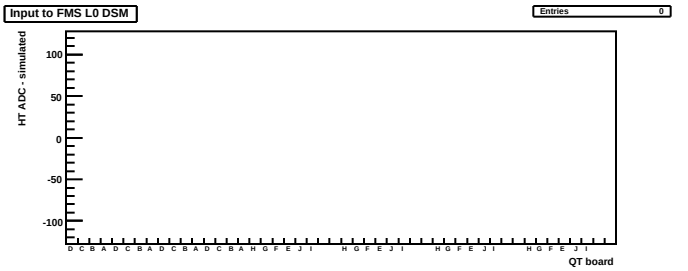

Input to FMS L0 DSM
Entries 1425648
QT8(2) sum
QT board

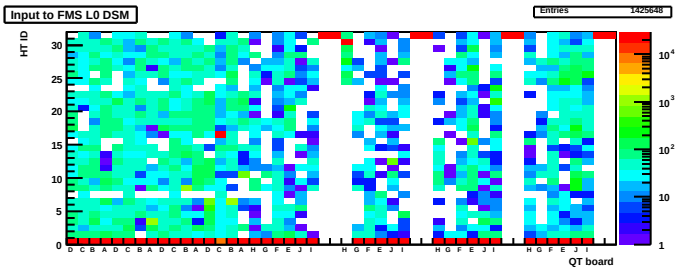

Input to FMS L0 DSM
Entries 21140
QT8(2) sum - simulated
QT board

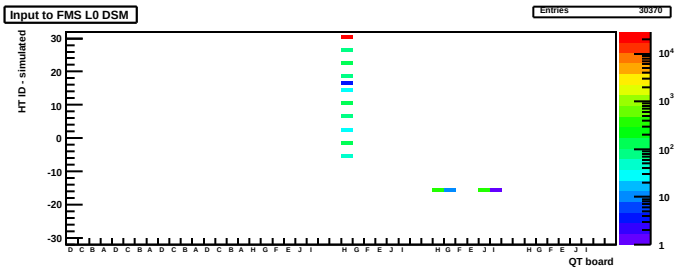

Input to FMS L0 DSM
Entries 1425648
QT8(3) sum
QT board

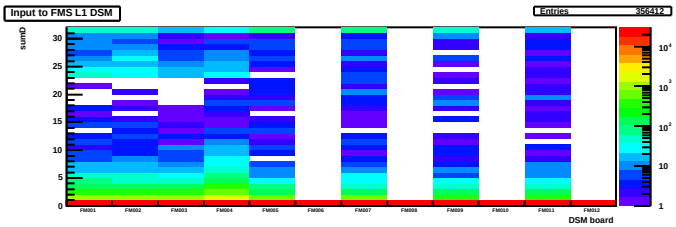

Input to FMS L0 DSM
Entries 27728
QT8(3) sum - simulated
QT board

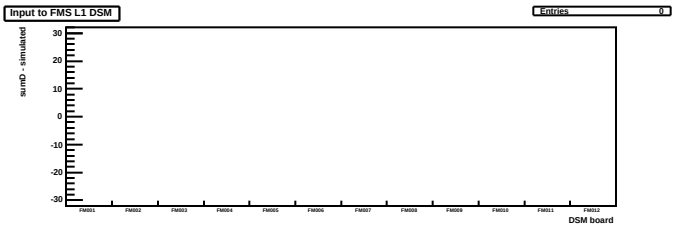

Input to FMS L0 DSM
Entries 1425648
HT ADC
QT board

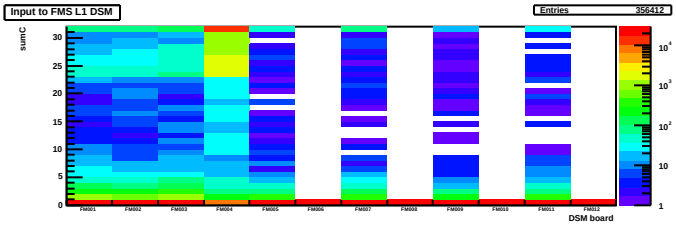

Input to FMS L0 DSM
Entries 0
HT ADC - simulated
QT board

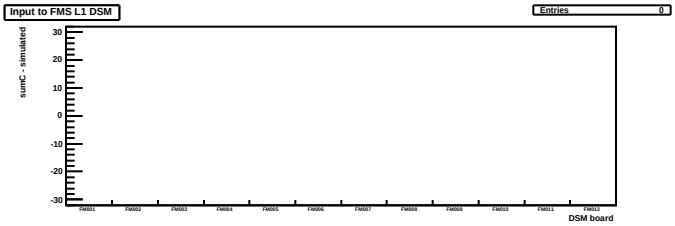

Input to FMS L0 DSM
Entries 1425648
HT ID
QT board

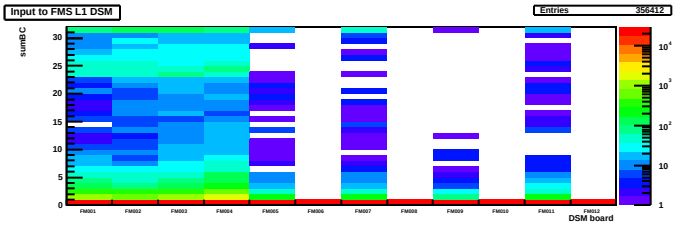

Input to FMS L0 DSM
Entries 30370
HT ID - simulated
QT board

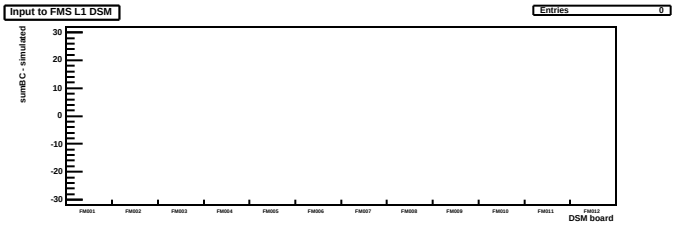

Input to FMS L1 DSM
Entries 356412
sumD
DSM board

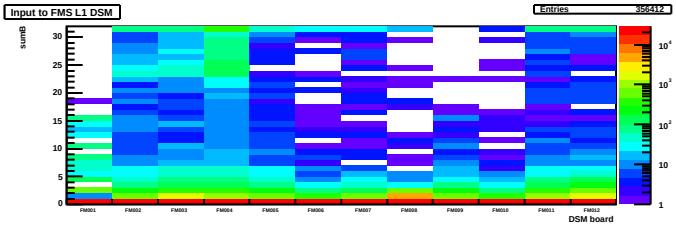

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

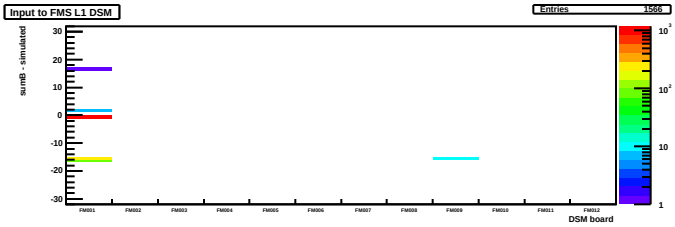

Input to FMS L1 DSM
Entries 356412
sumC
DSM board

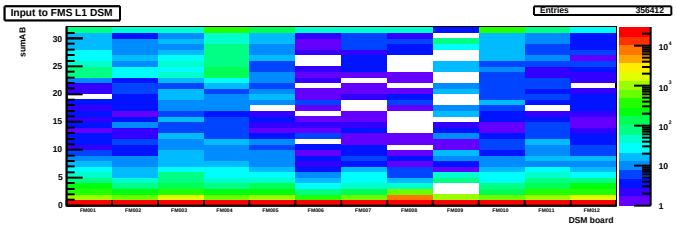

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

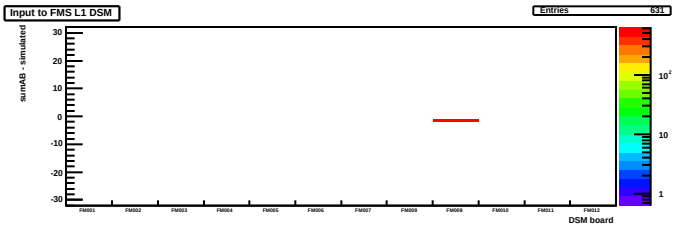

Input to FMS L1 DSM
Entries 356412
sumBC
DSM board

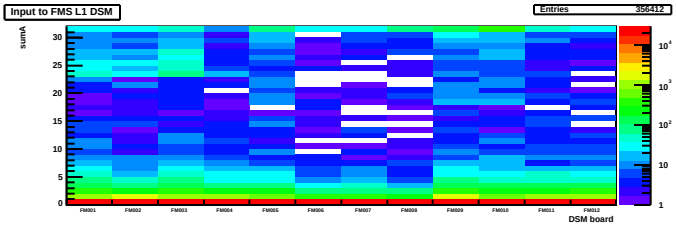

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

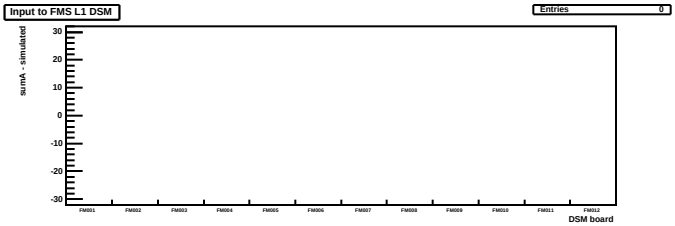

Input to FMS L1 DSM
Entries 356412
sumB
DSM board

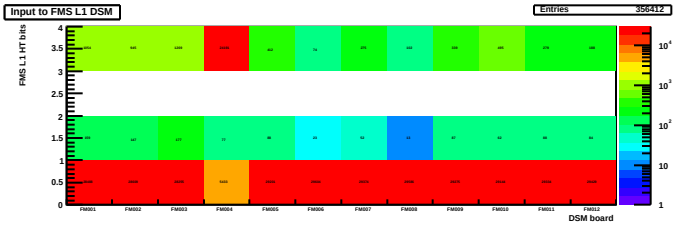

Input to FMS L1 DSM
Entries 1566
sumB - simulated
DSM board

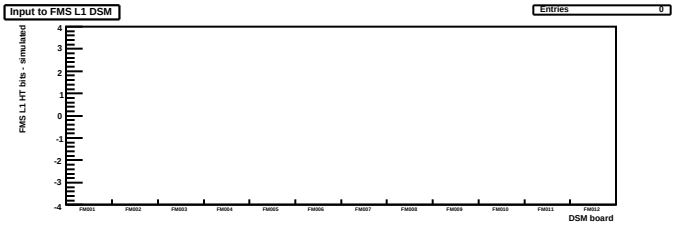

Input to FMS L1 DSM
Entries 356412
sumAB
DSM board

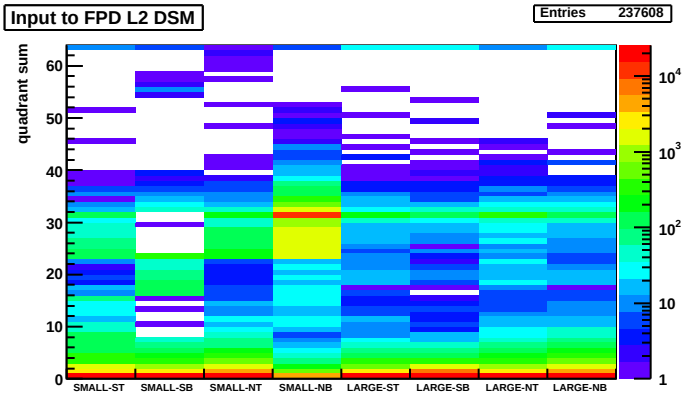

Input to FMS L1 DSM
Entries 631
sumAB - simulated
DSM board

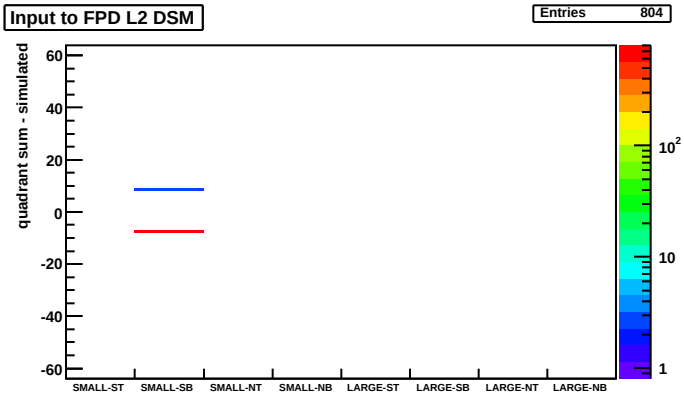

Input to FMS L1 DSM
Entries 356412
sumA
DSM board

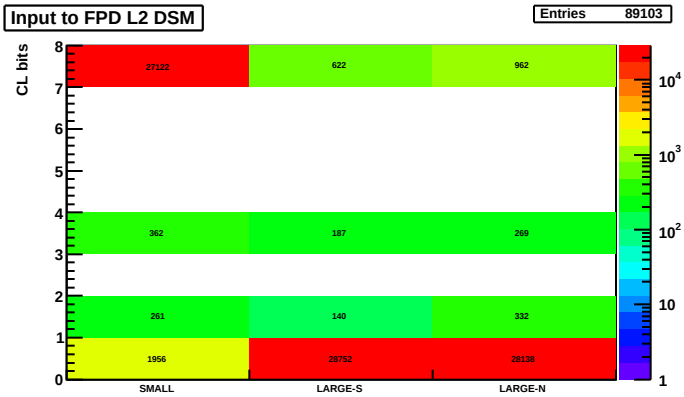

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

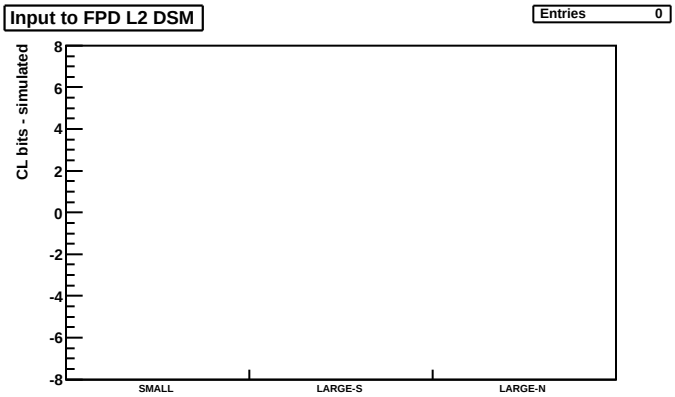

Input to FMS L1 DSM
Entries 356412
FMS L1 HT bits
DSM board

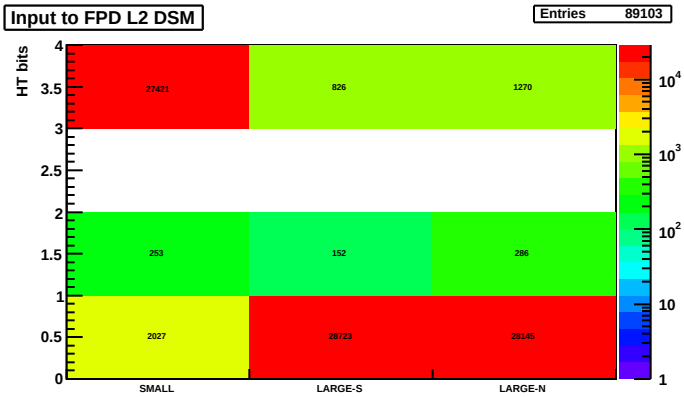

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

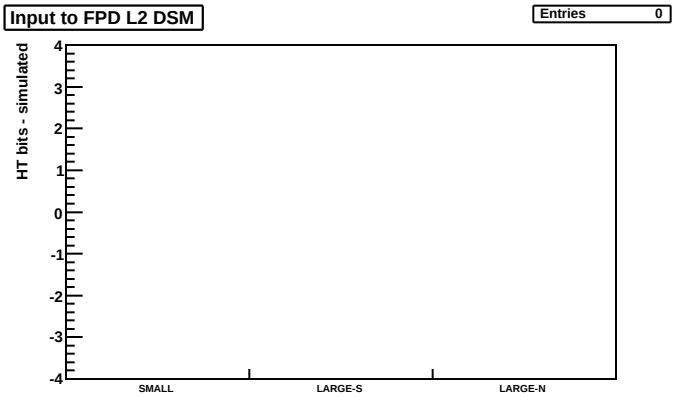

Input to FPD L2 DSM
Entries 237608
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

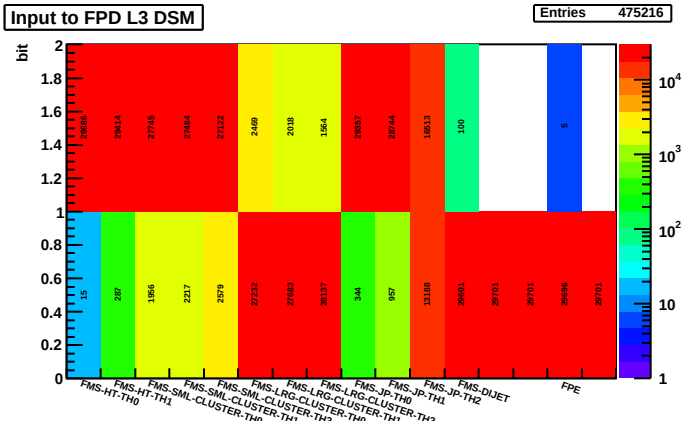

Input to FPD L2 DSM
Entries 804
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

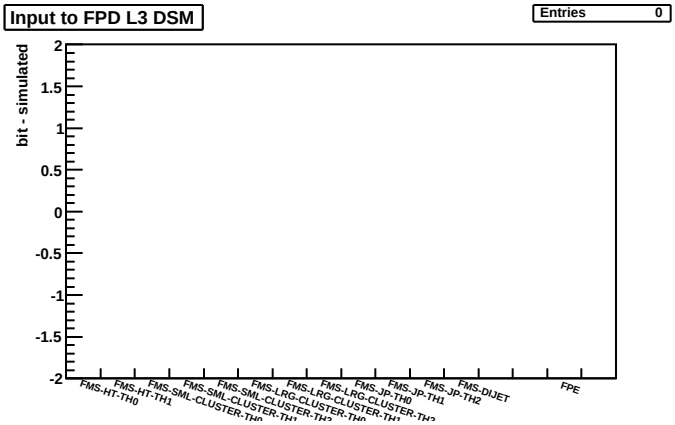

Input to FPD L2 DSM
Entries 89103
CL bits
27122
622
962
362
187
269
261
140
332
1956
28752
28138
SMALL
LARGE-S
LARGE-N

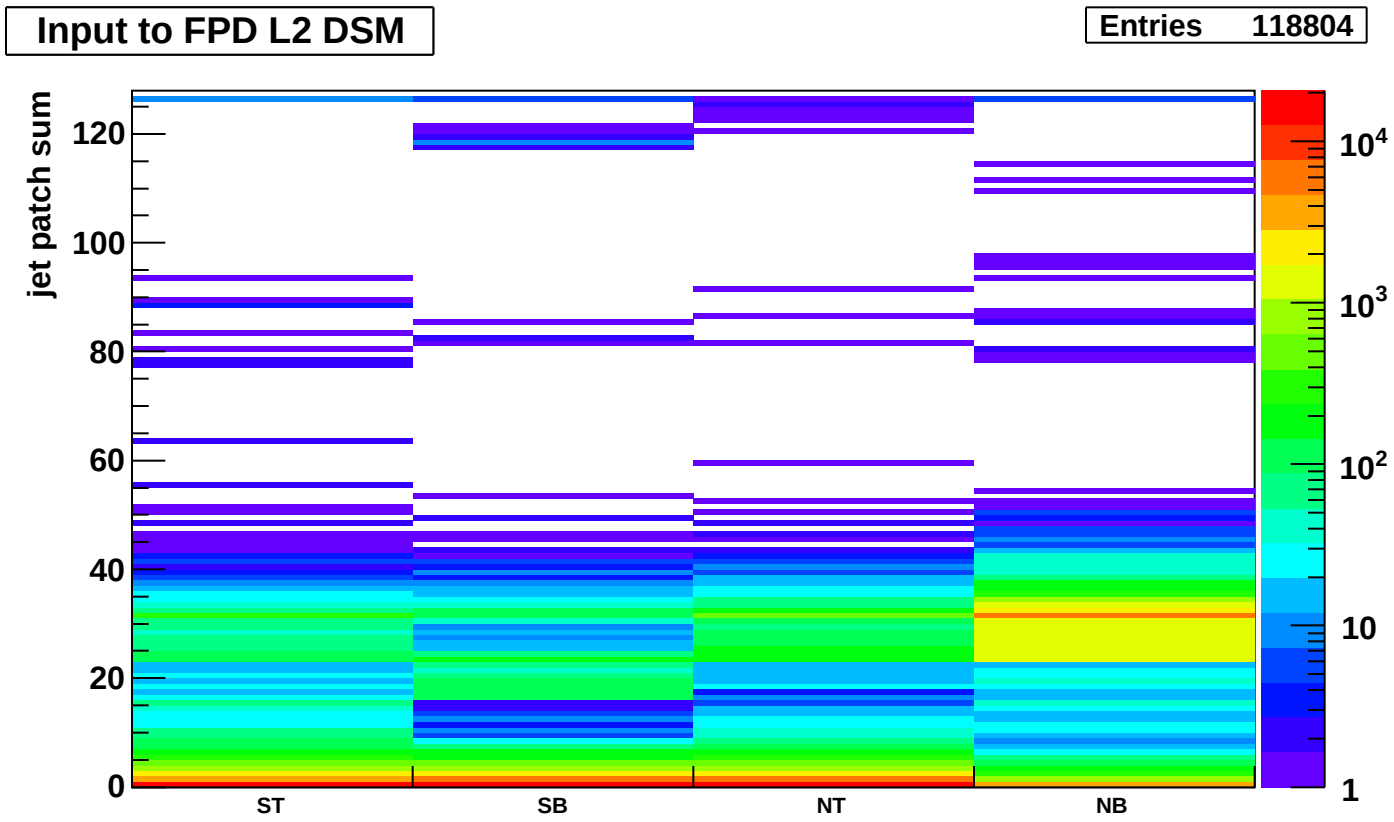

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

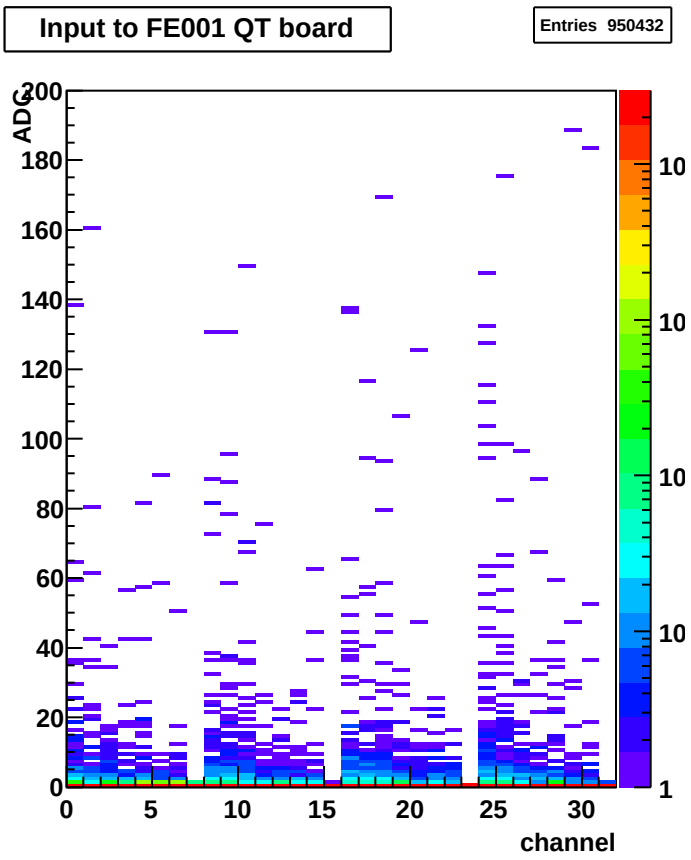

Input to FPD L2 DSM
Entries 89103
HT bits
27421
826
1270
253
152
286
2027
28723
28145
SMALL
LARGE-S
LARGE-N

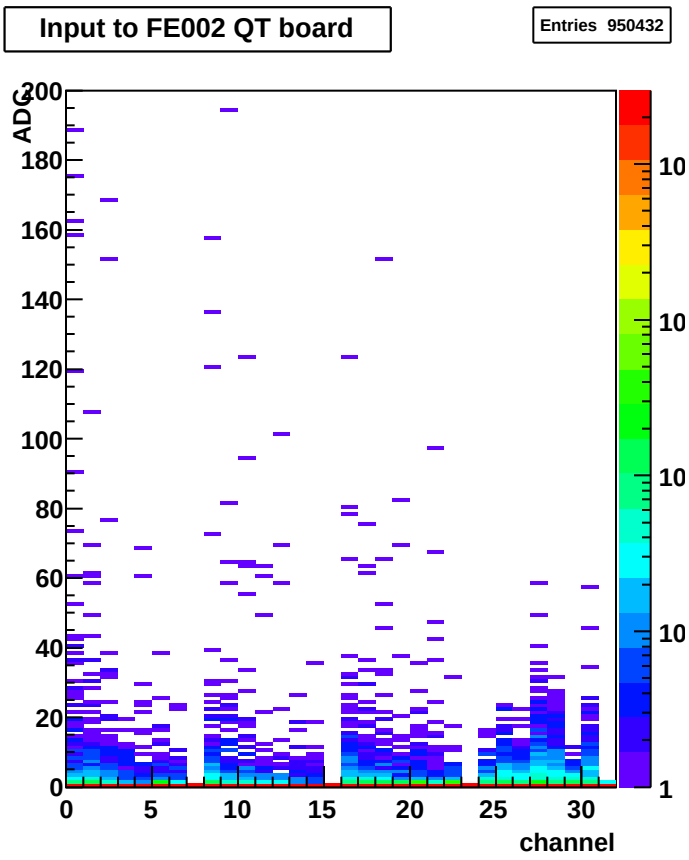

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

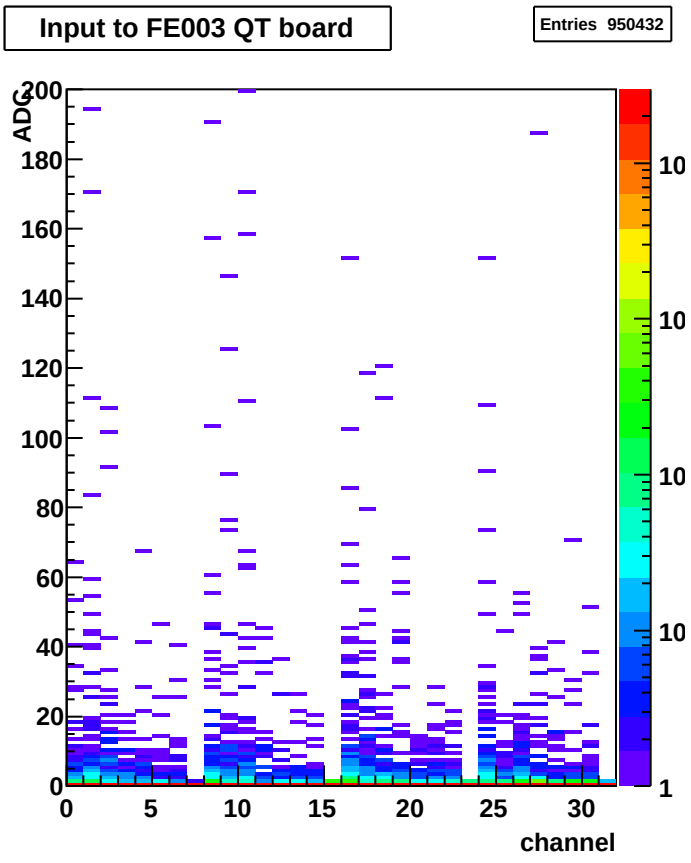

Input to FPD L3 DSM
Entries 475216
bit
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

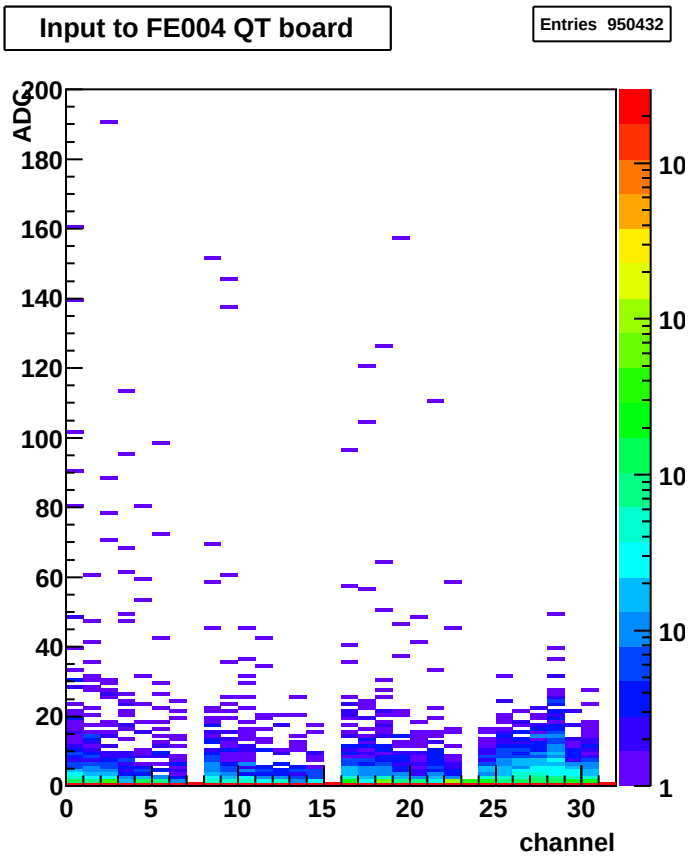

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

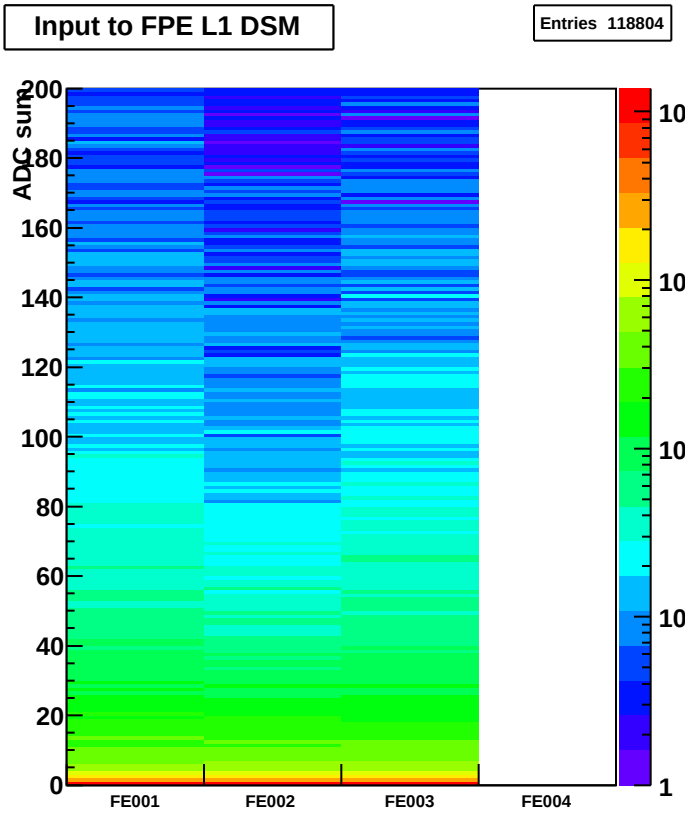

Input to FPD L2 DSM
Entries 118804
jet patch sum
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

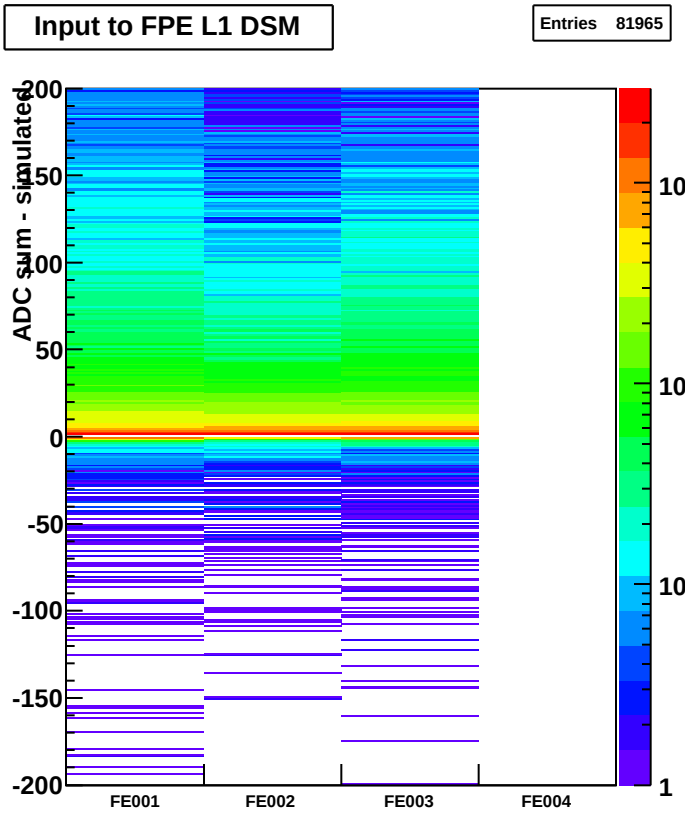

Input to FE001 QT board
Entries 950432
ADC
channel

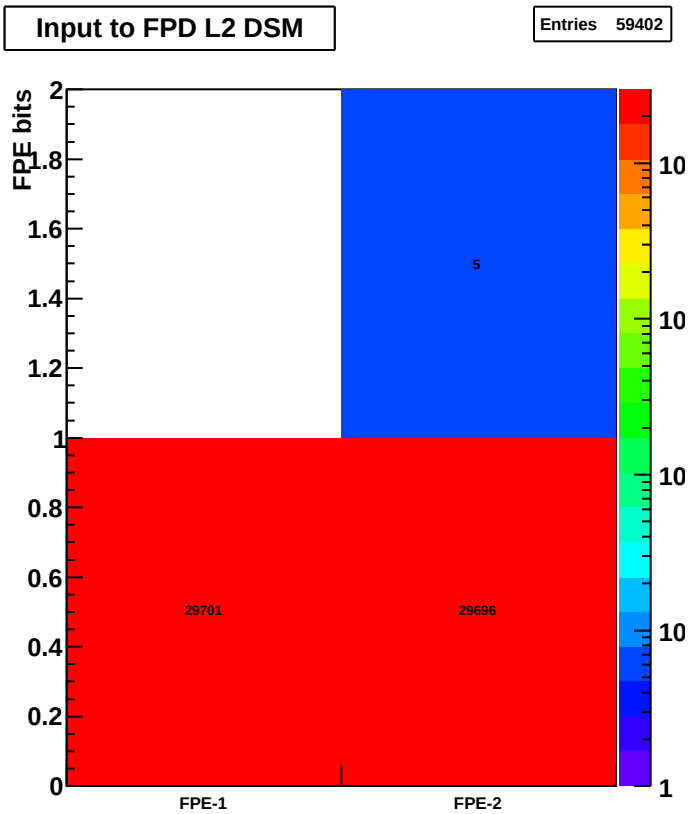

Input to FE002 QT board
Entries 950432
ADC
channel

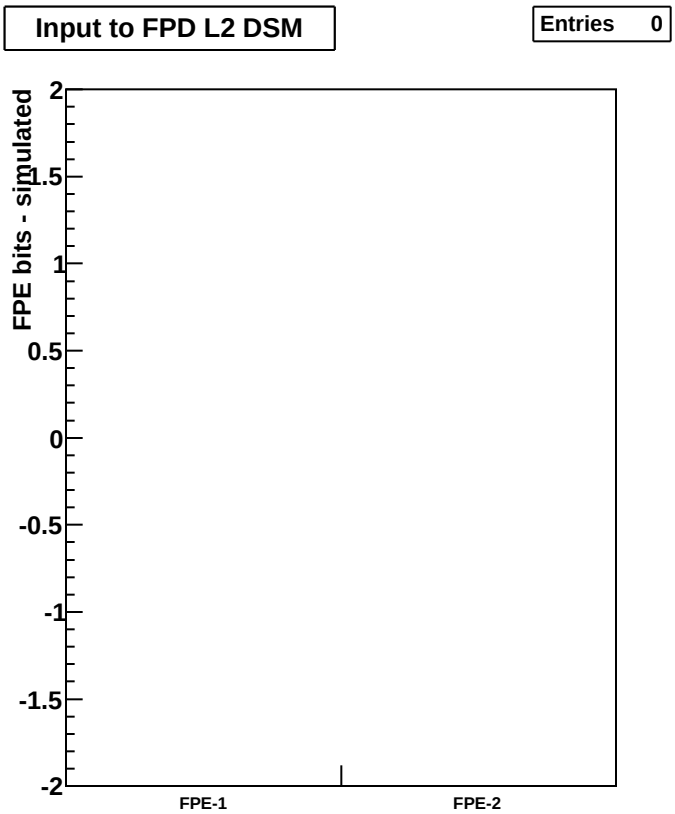

Input to FE003 QT board
Entries 950432
ADC
channel


Input to FE004 QT board
Entries 950432
ADC
channel


Input to FPE L1 DSM
Entries 118804
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 81965
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 59402
FPE bits
5
29701
29696
FPE-1
FPE-2


Input to FPD L2 DSM
Entries 0
FPE bits - simulated
FPE-1
FPE-2