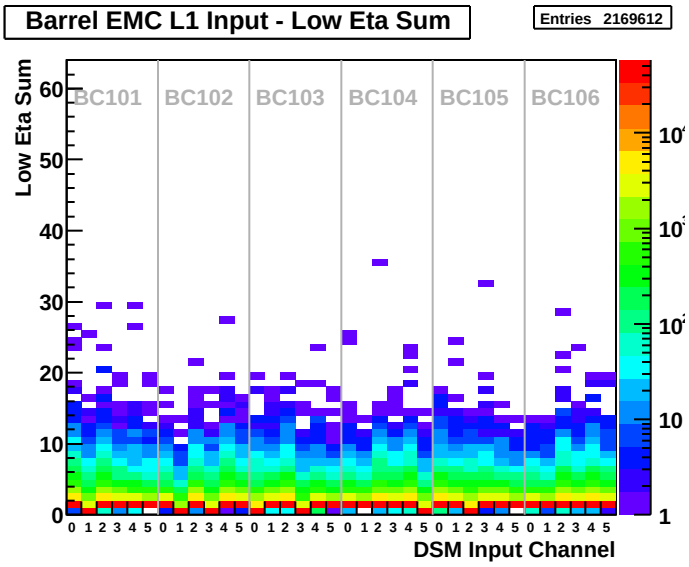
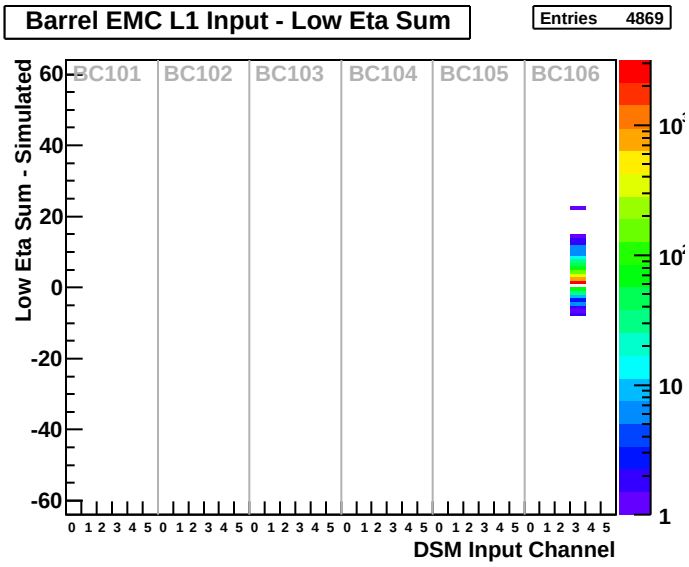
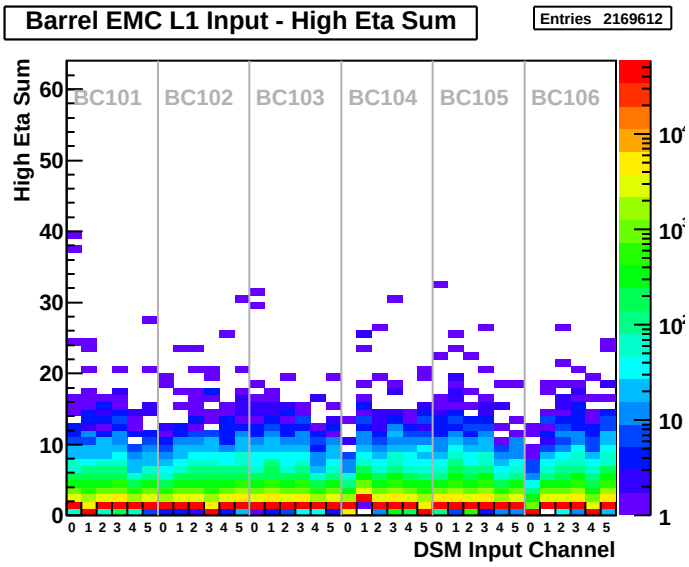
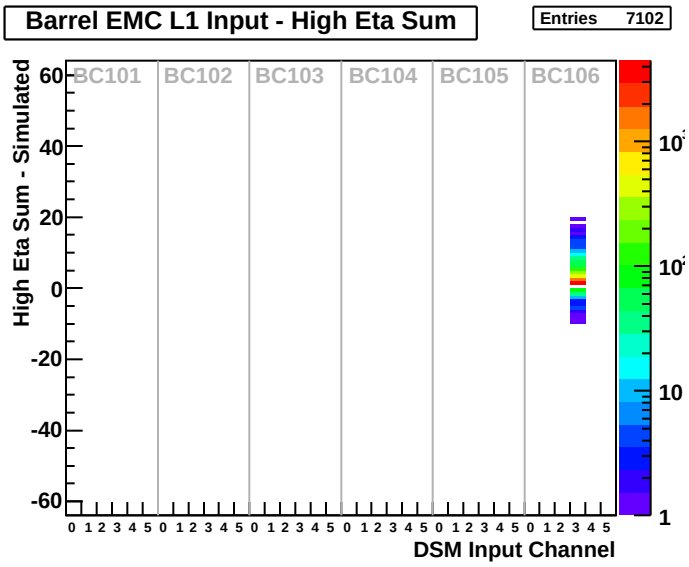
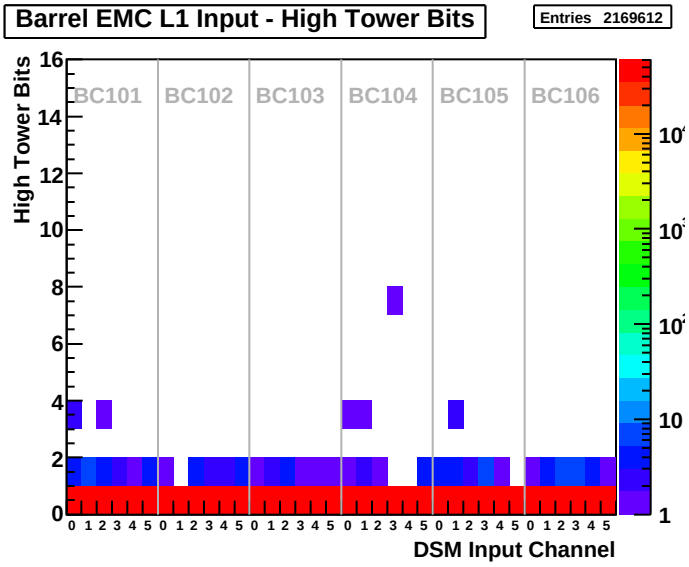
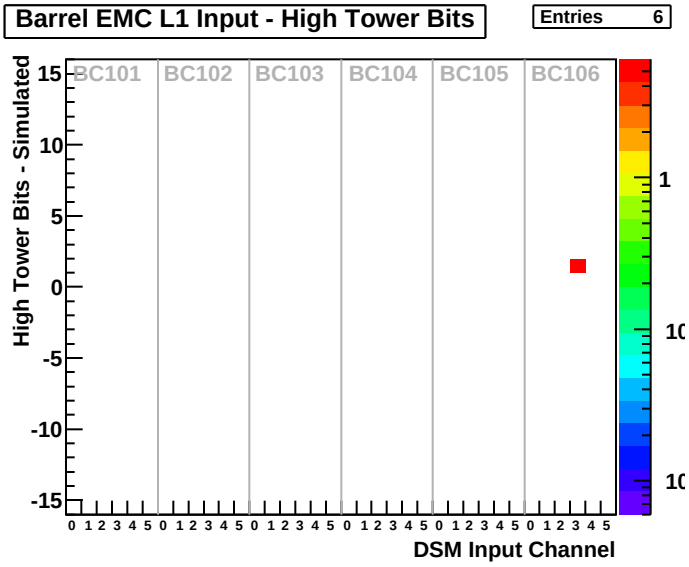

Barrel EMC L1 Input - Low Eta Sum
Entries 2169612
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

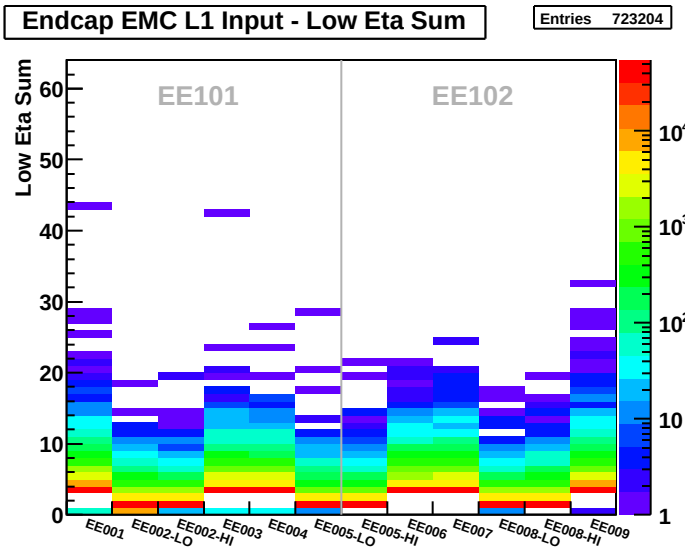

Barrel EMC L1 Input - Low Eta Sum
Entries 4869
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

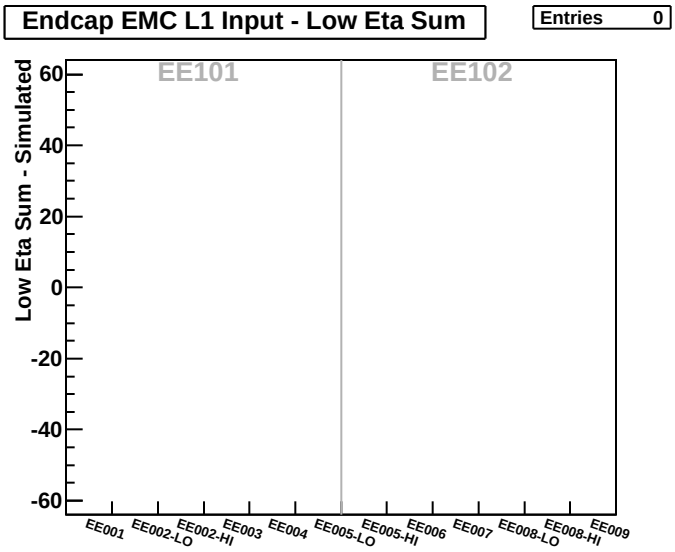

Barrel EMC L1 Input - High Eta Sum
Entries 2169612
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

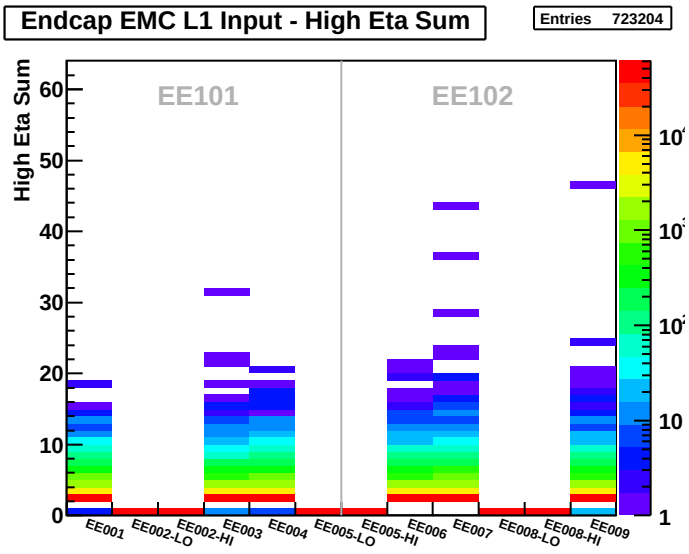

Barrel EMC L1 Input - High Eta Sum
Entries 7102
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

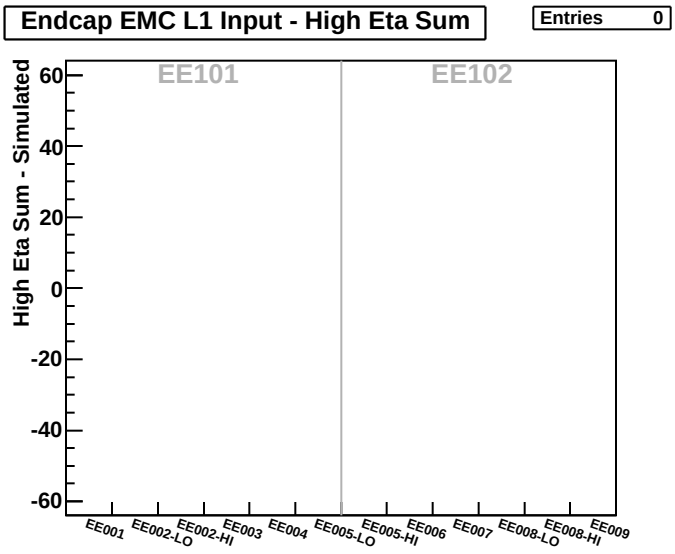

Barrel EMC L1 Input - High Tower Bits
Entries 2169612
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

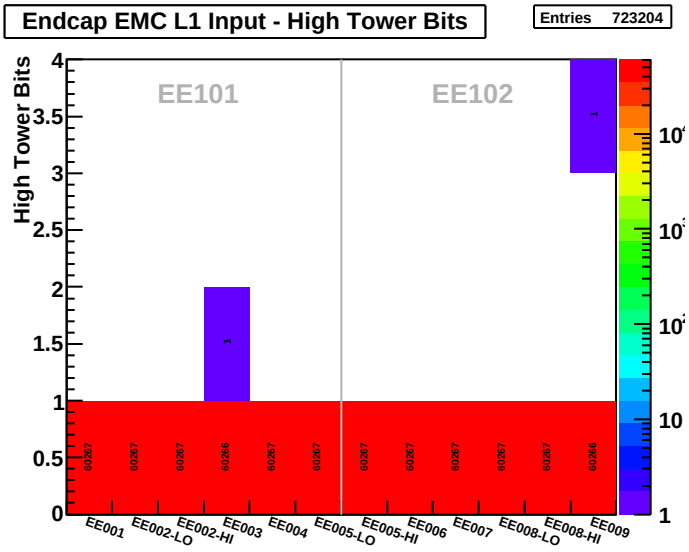

Barrel EMC L1 Input - High Tower Bits
Entries 6
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

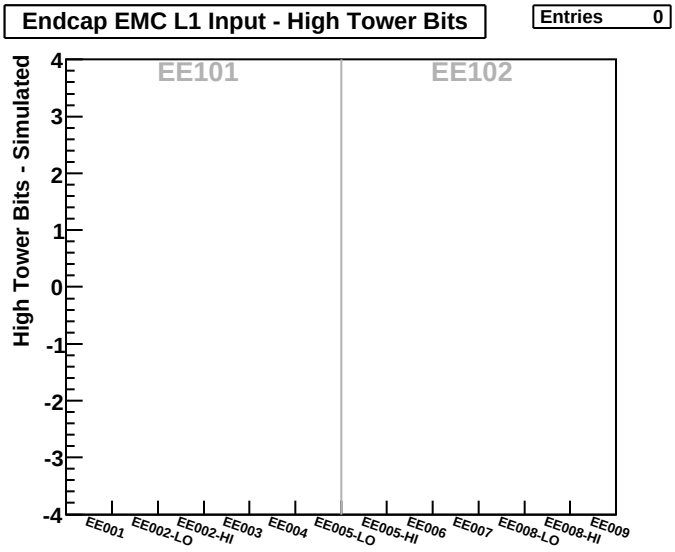

Endcap EMC L1 Input - Low Eta Sum
Entries 723204
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

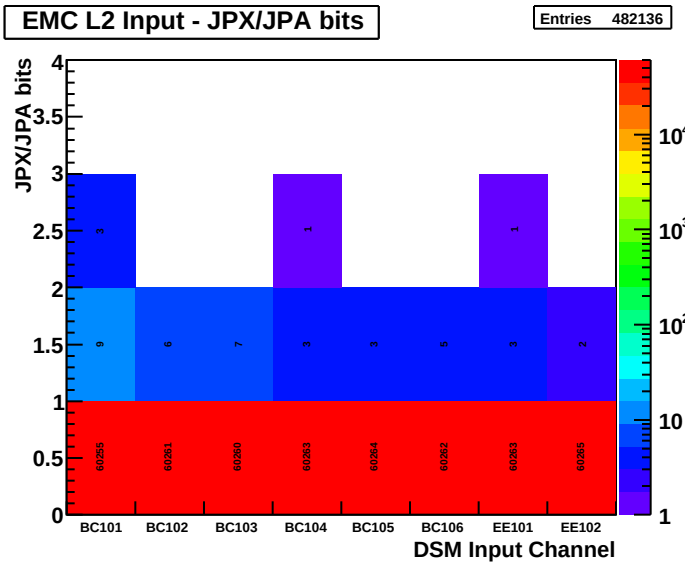

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

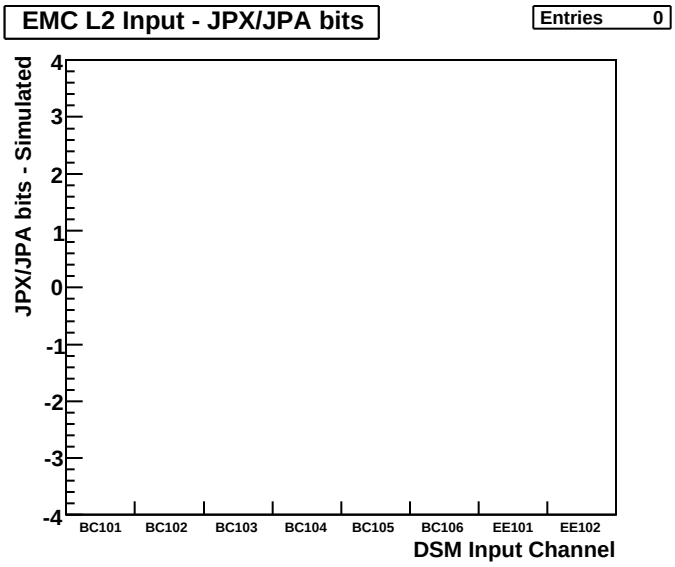

Endcap EMC L1 Input - High Eta Sum
Entries 723204
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

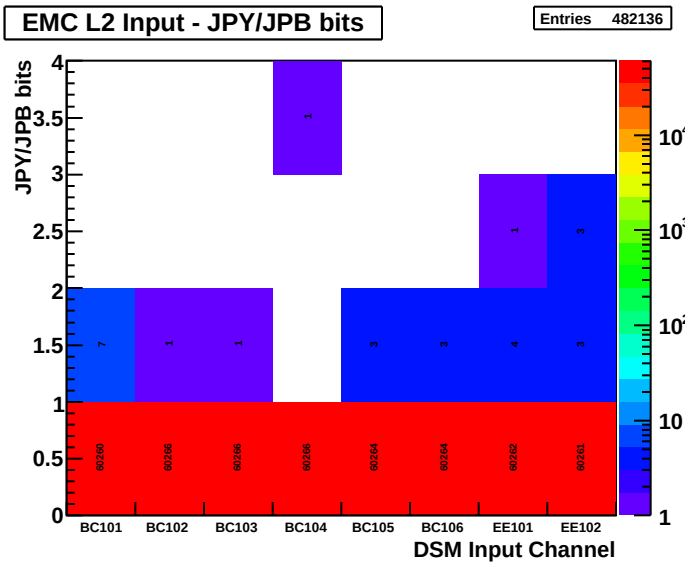

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

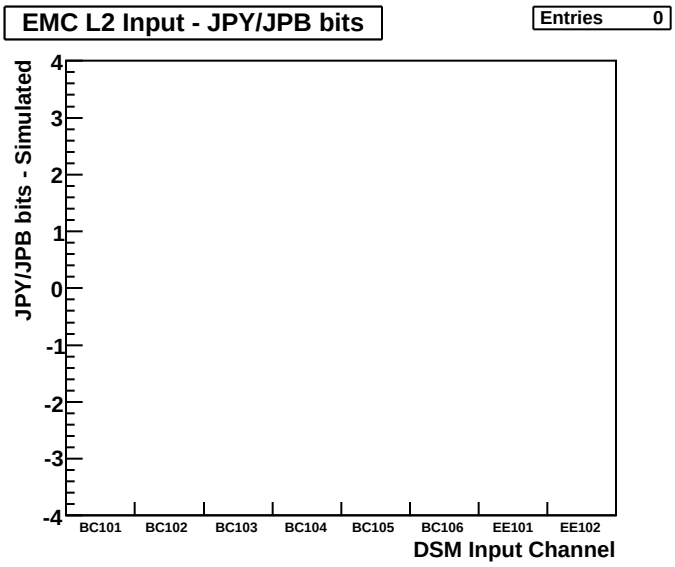

Endcap EMC L1 Input - High Tower Bits
Entries 723204
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

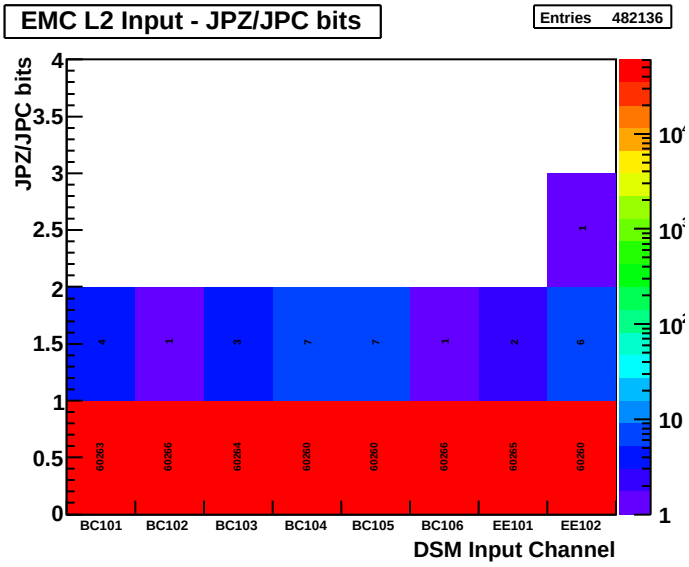

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

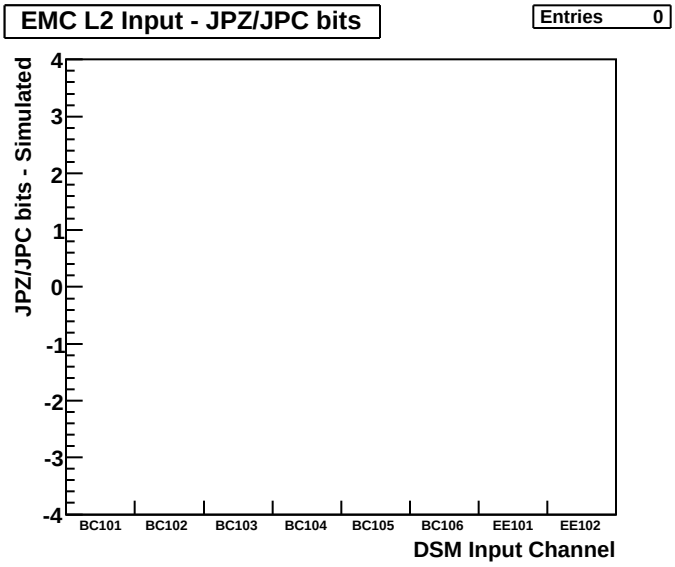

EMC L2 Input - JPX/JPA bits
Entries 482136
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

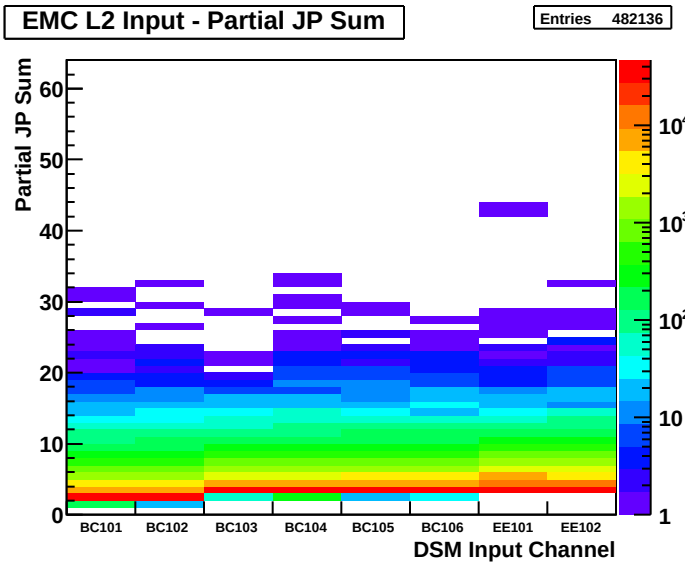

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

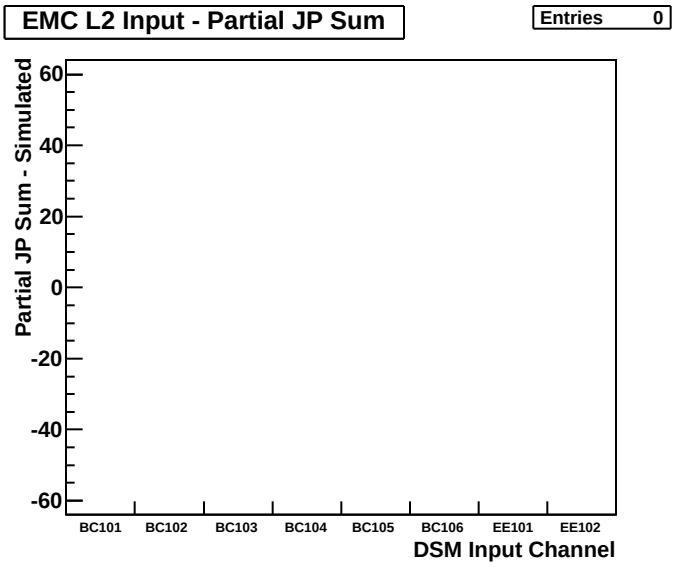

EMC L2 Input - JPY/JPB bits
Entries 482136
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

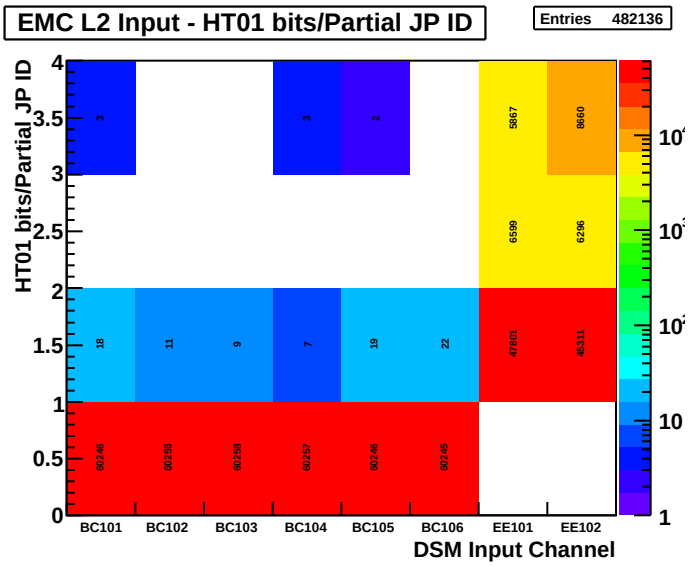

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

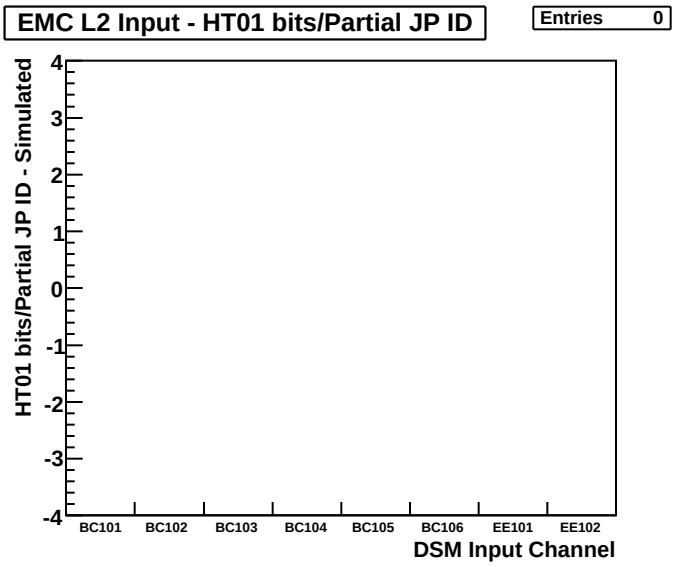

EMC L2 Input - JPZ/JPC bits
Entries 482136
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

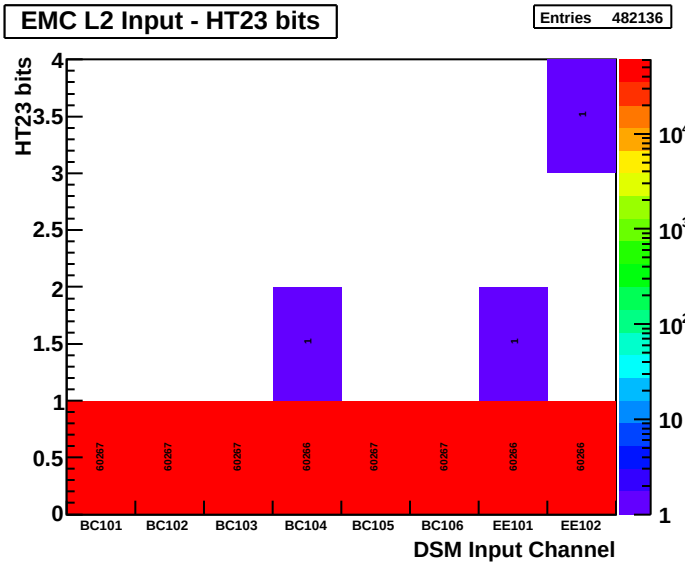

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

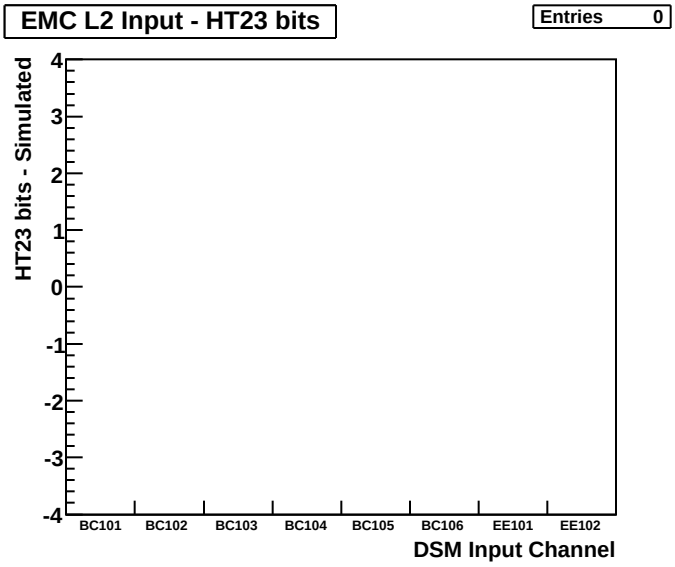

EMC L2 Input - Partial JP Sum
Entries 482136
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

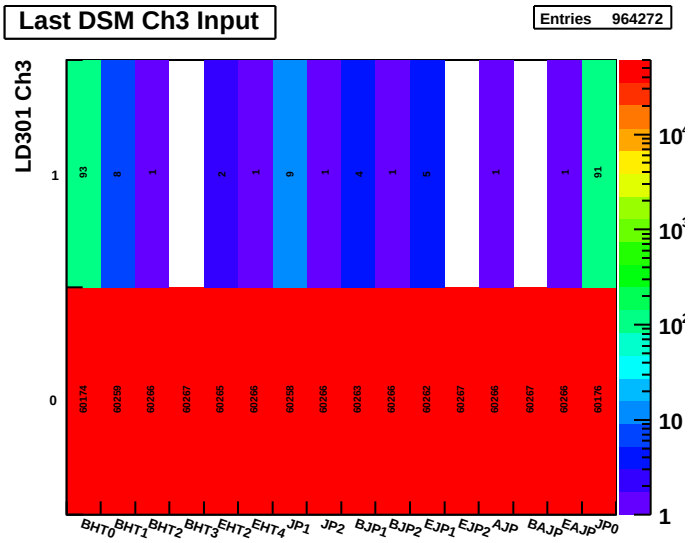

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

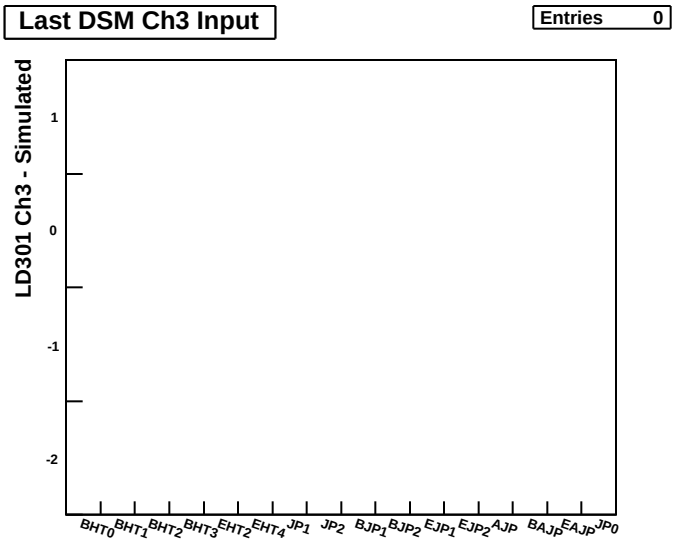

EMC L2 Input - HT01 bits/Partial JP ID
Entries 482136
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

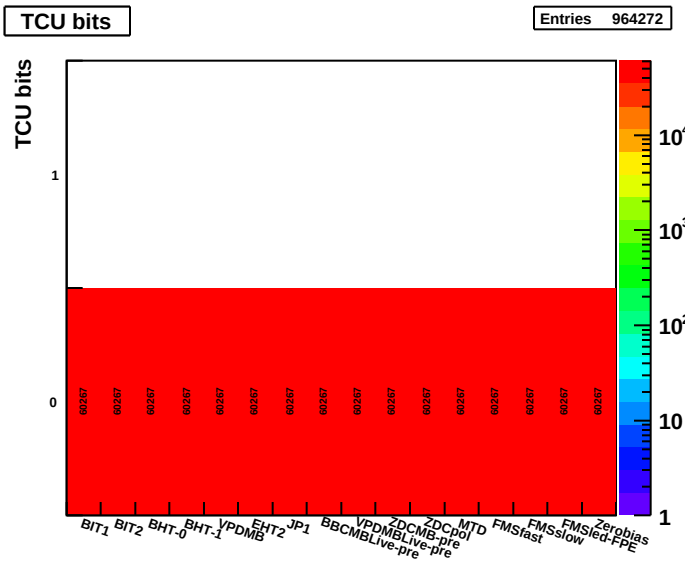

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

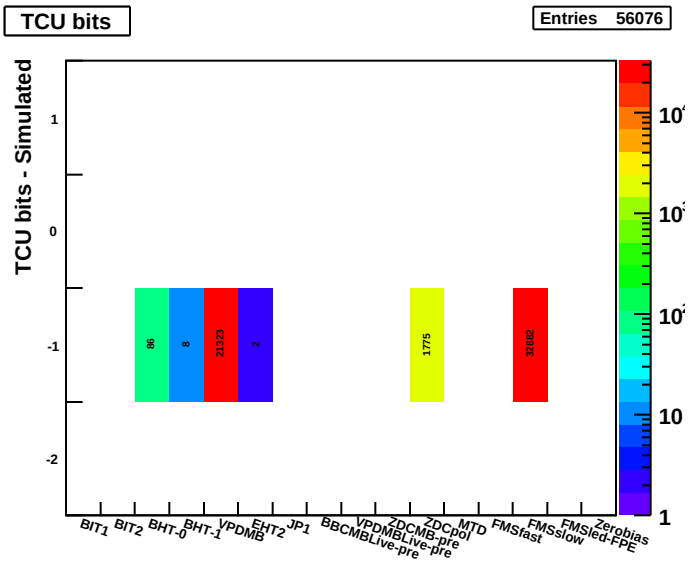

EMC L2 Input - HT23 bits
Entries 482136
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

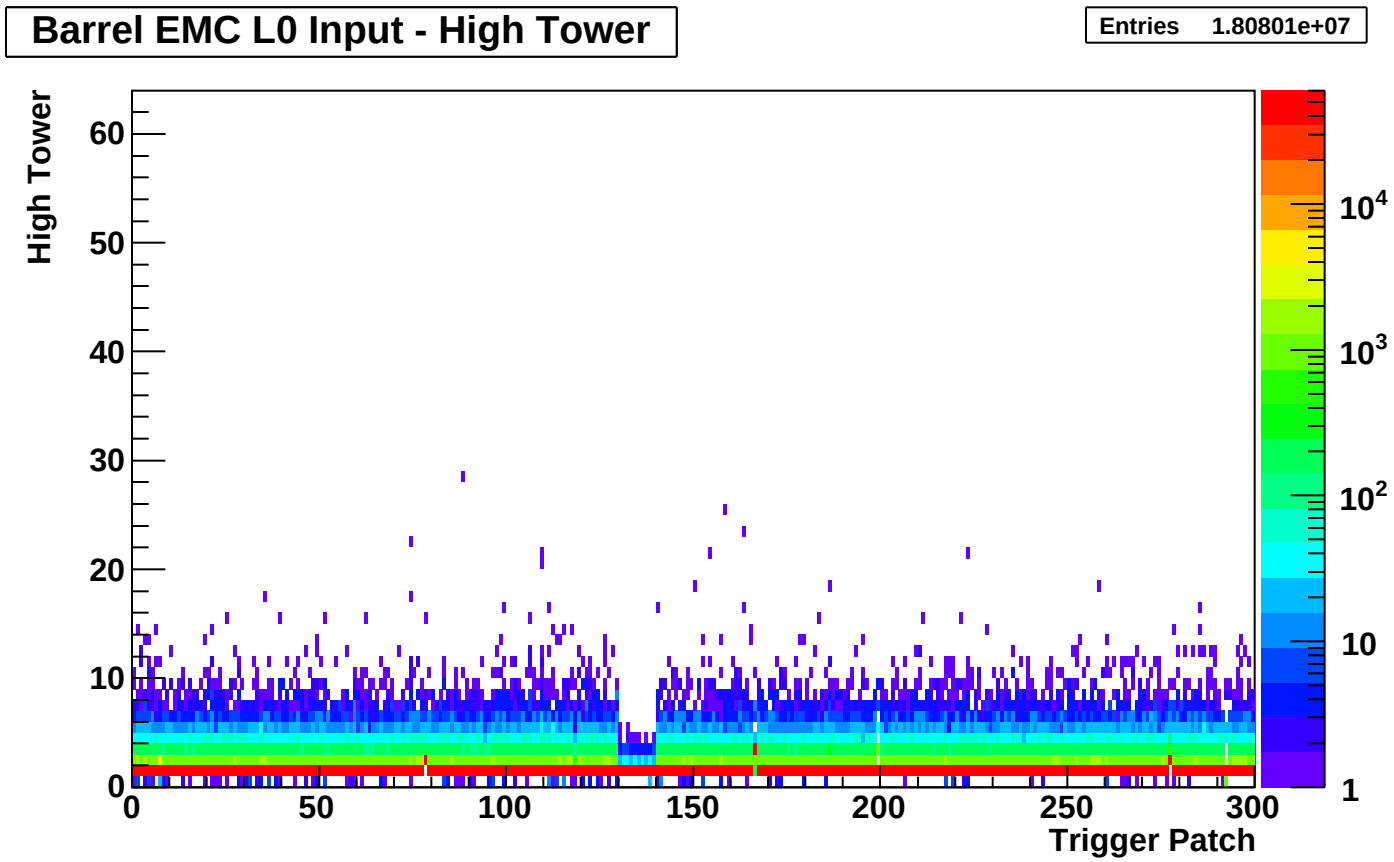

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

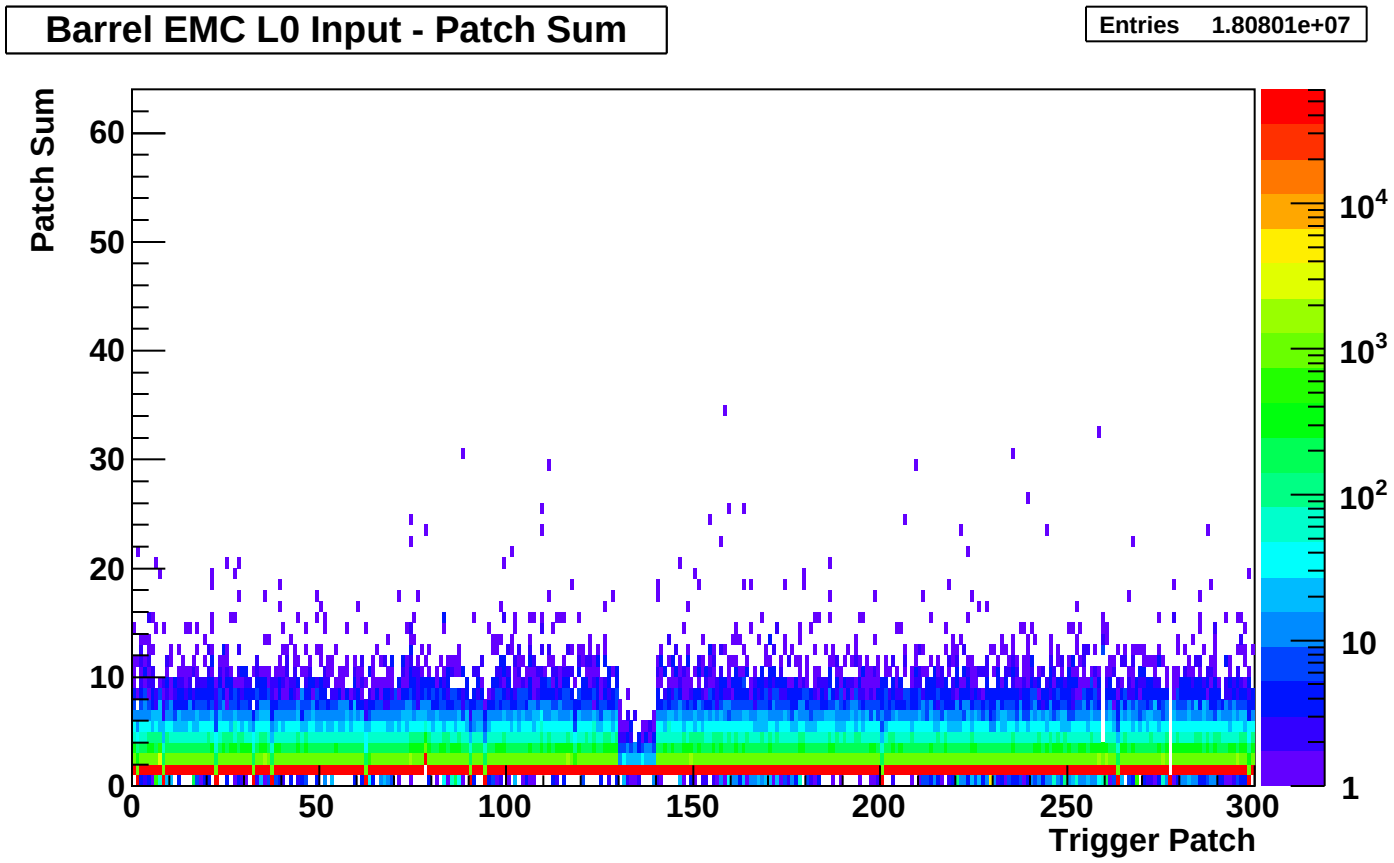

Last DSM Ch3 Input
Entries 964272
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

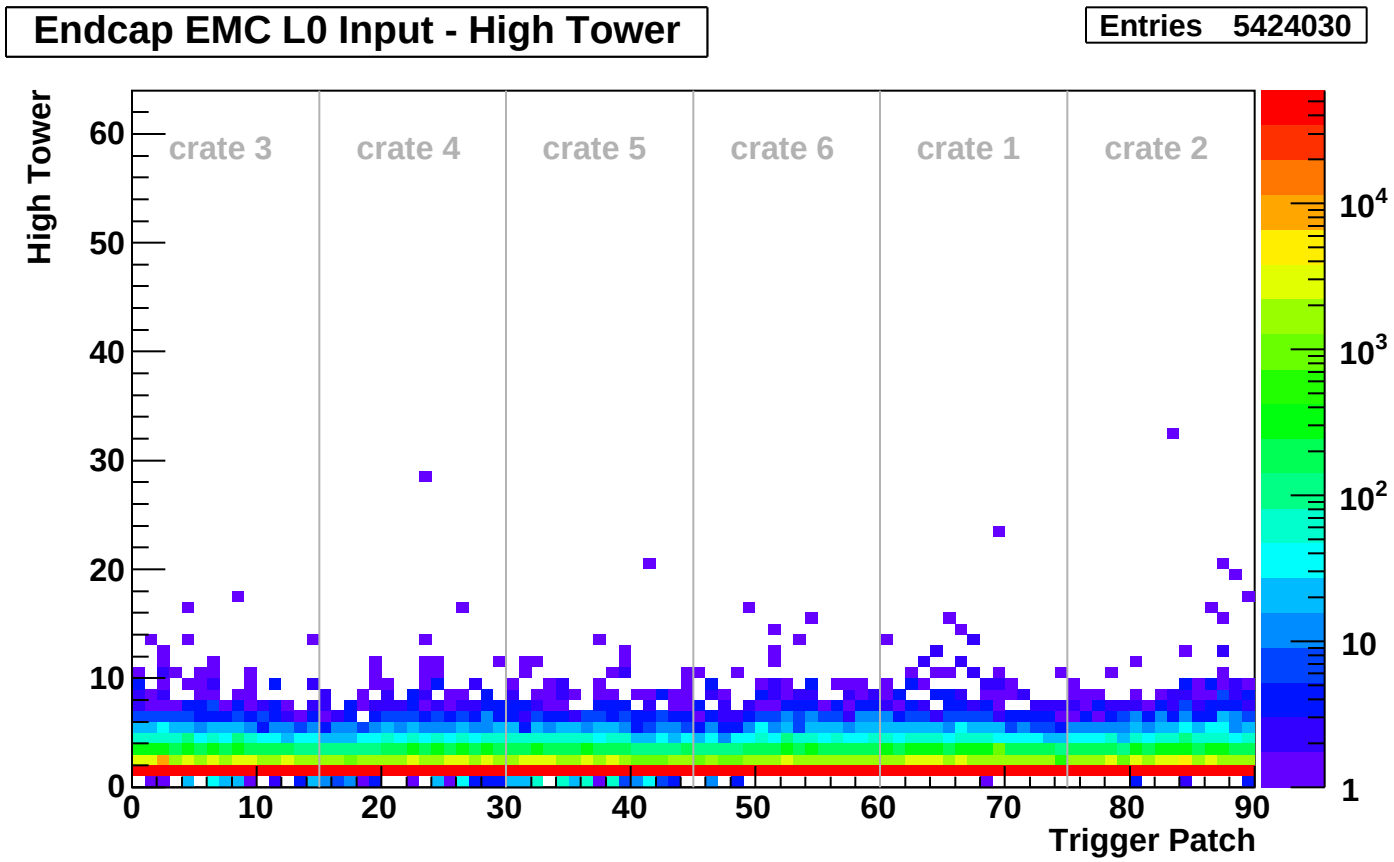

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

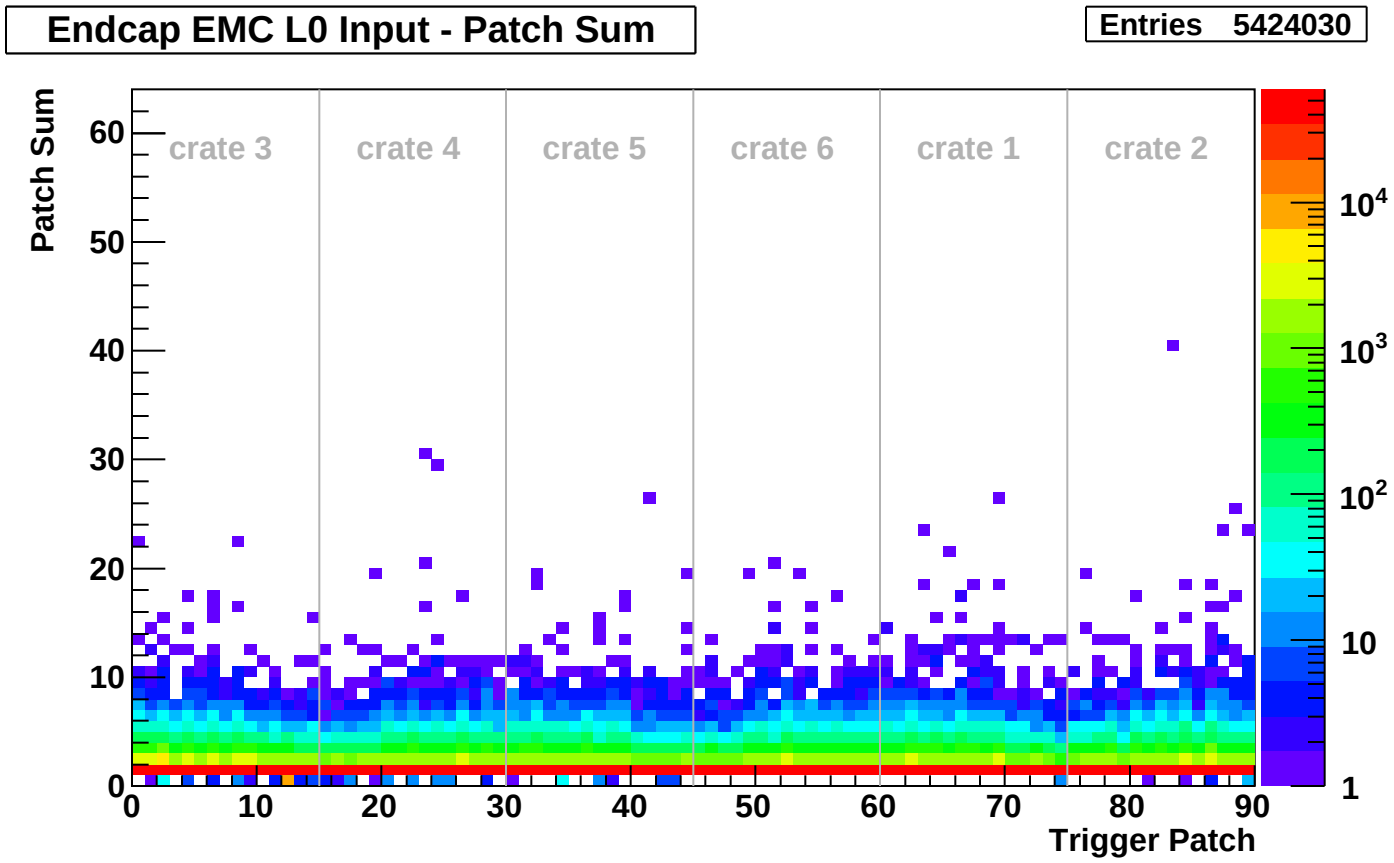

TCU bits
Entries 964272
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

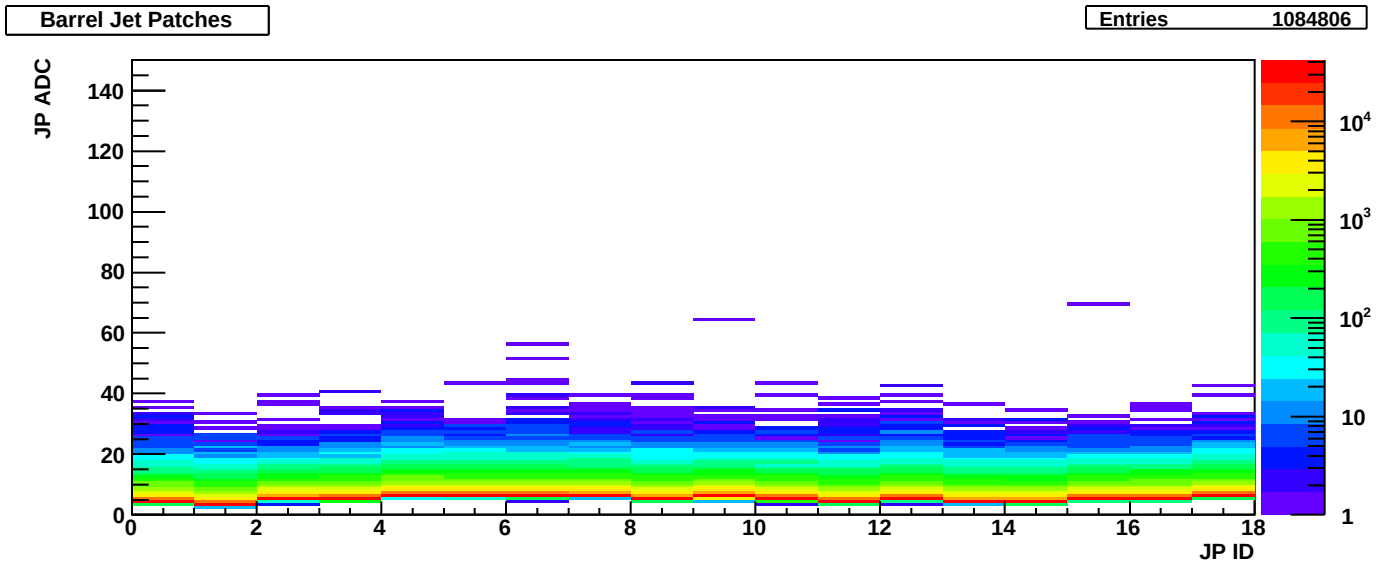

TCU bits
Entries 56076
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

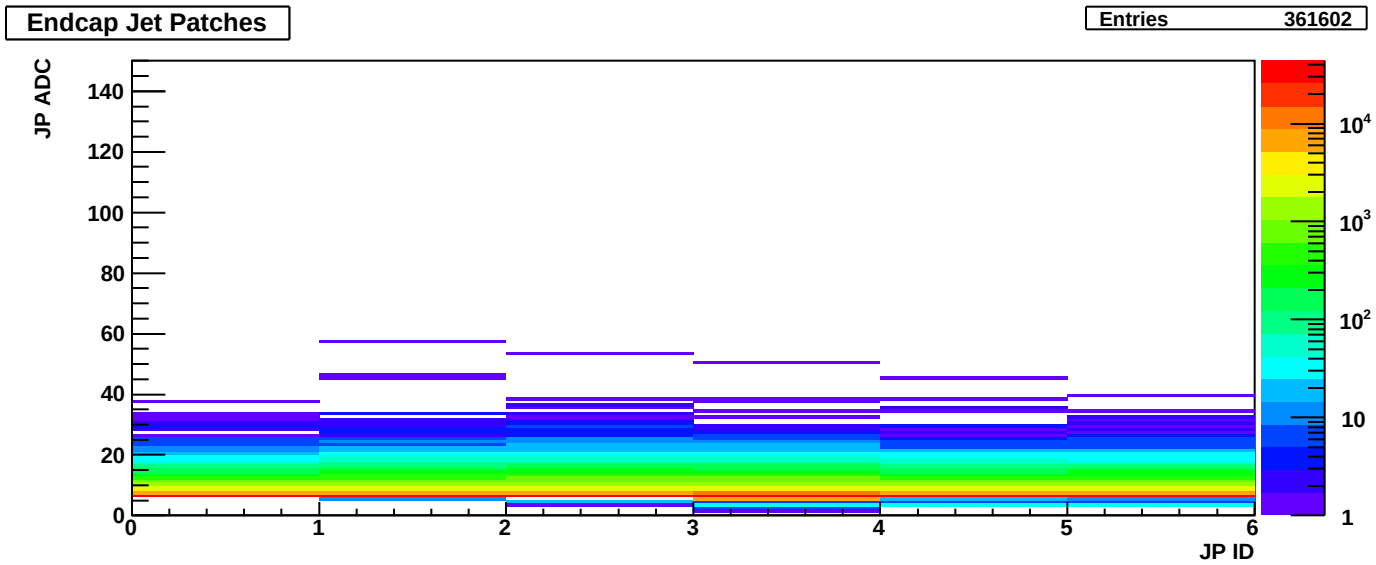

Barrel EMC L0 Input - High Tower
Entries 1.80801e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

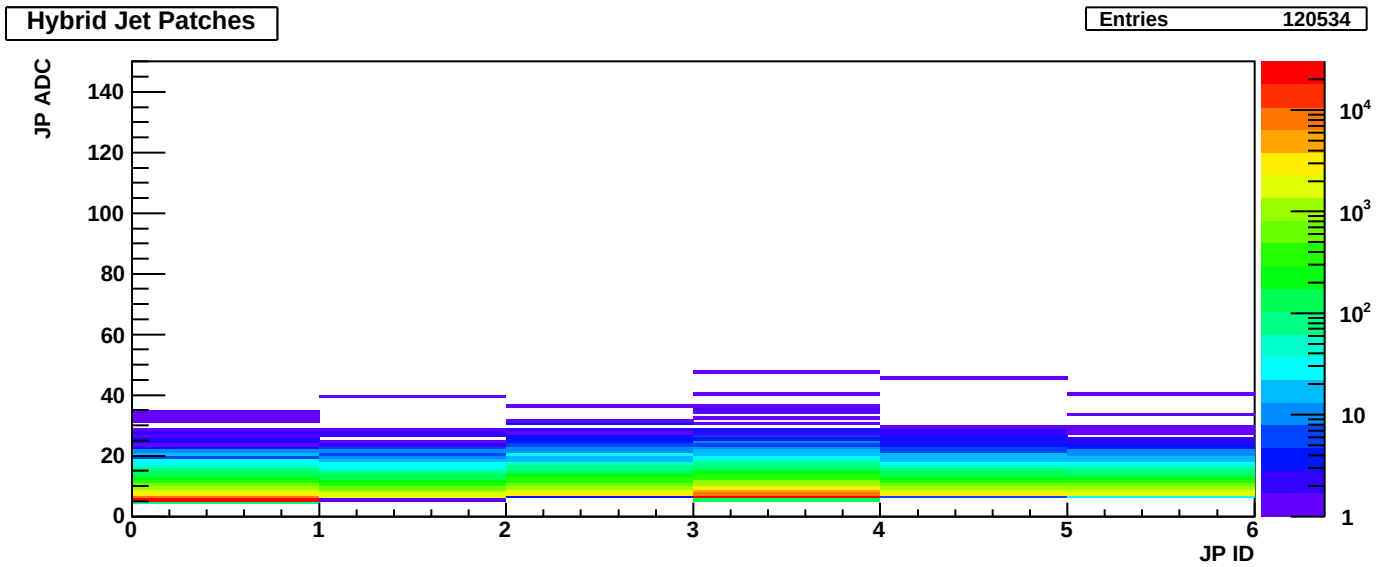

Barrel EMC L0 Input - Patch Sum
Entries 1.80801e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

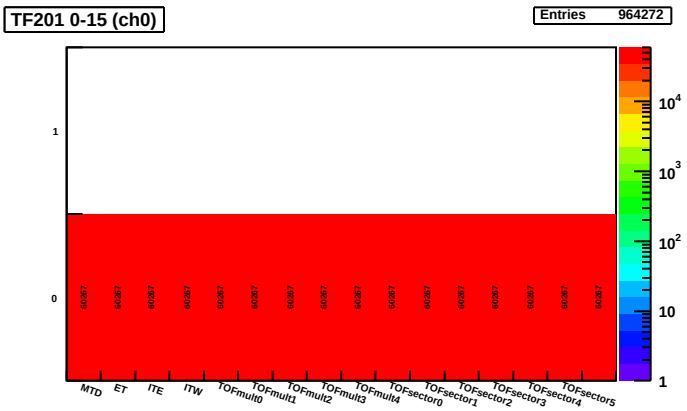

Endcap EMC L0 Input - High Tower
Entries 5424030
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

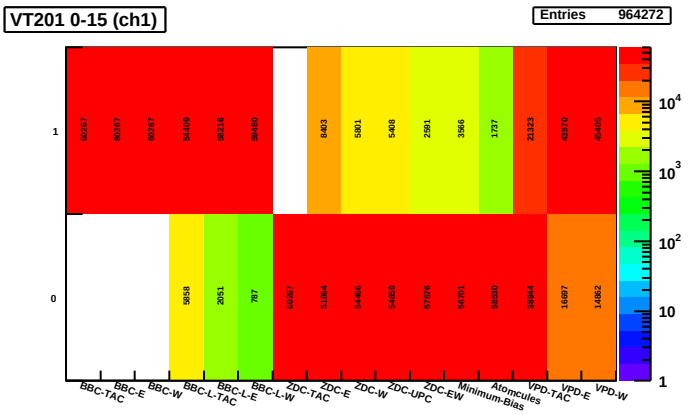

Endcap EMC L0 Input - Patch Sum
Entries 5424030
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

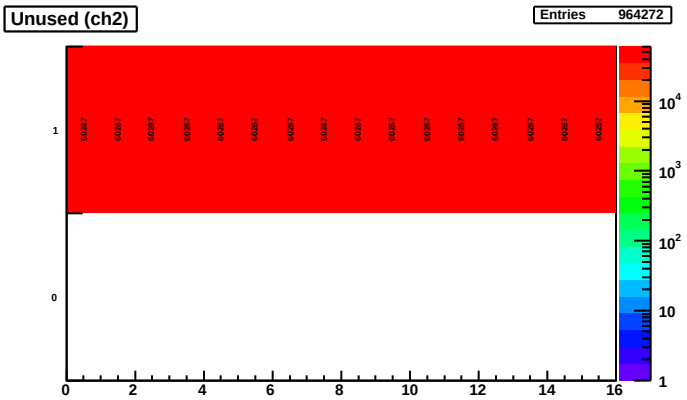

Barrel Jet Patches
Entries 1084806
JP ADC
JP ID

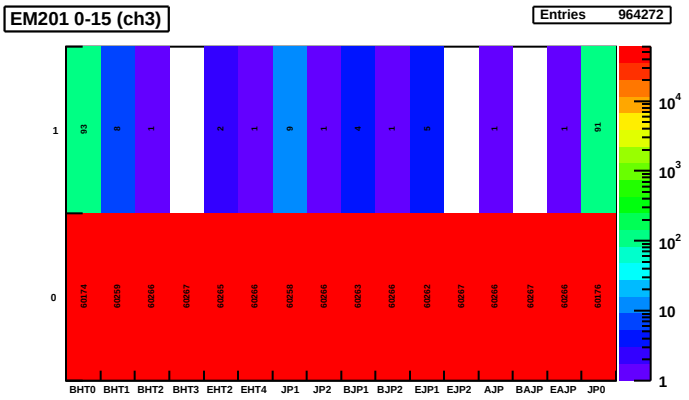

Endcap Jet Patches
Entries 361602
JP ADC
JP ID

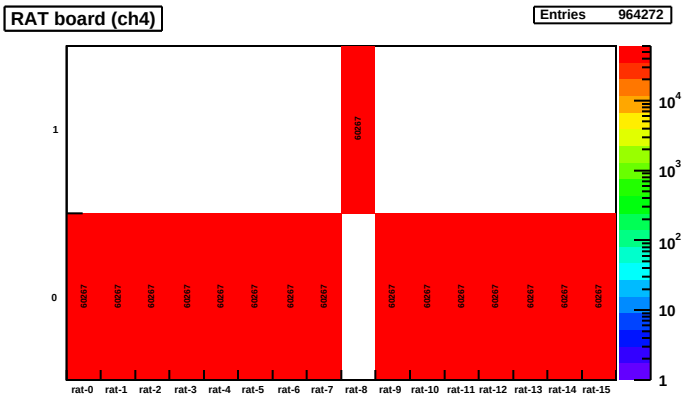

Hybrid Jet Patches
Entries 120534
JP ADC
JP ID

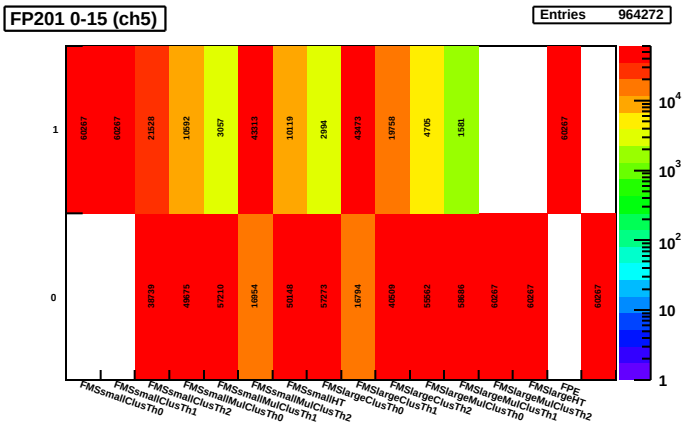

TF201 0-15 (ch0)
Entries 964272
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

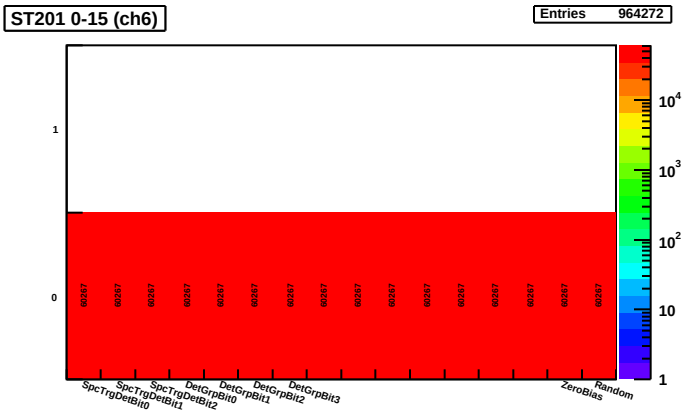

VT201 0-15 (ch1)
Entries 964272
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

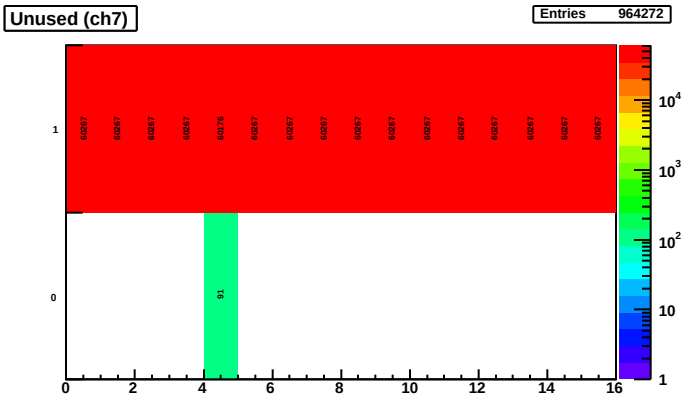

Unused (ch2)
Entries 964272

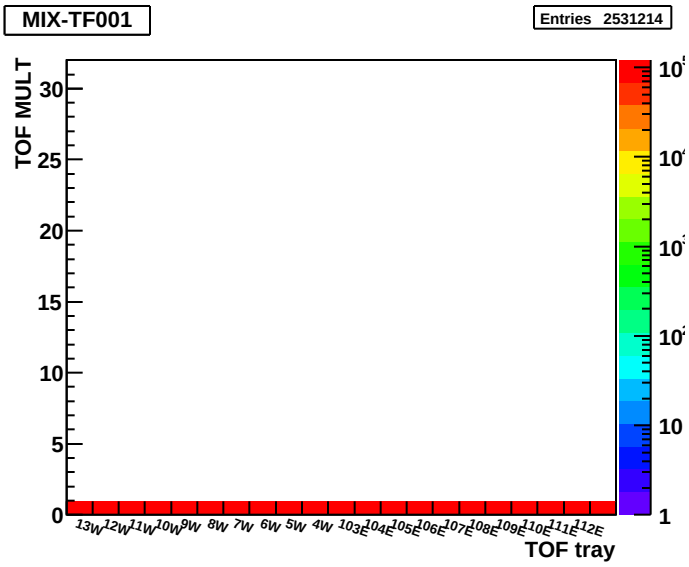

EM201 0-15 (ch3)
Entries 964272
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

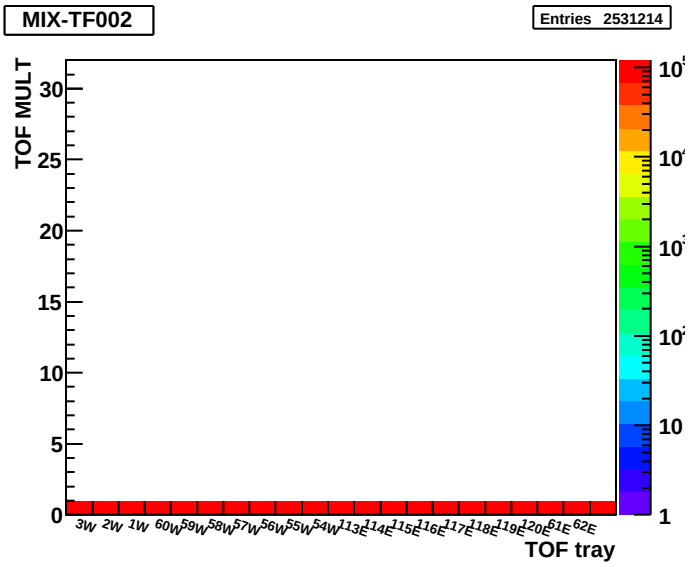

RAT board (ch4)
Entries 964272
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

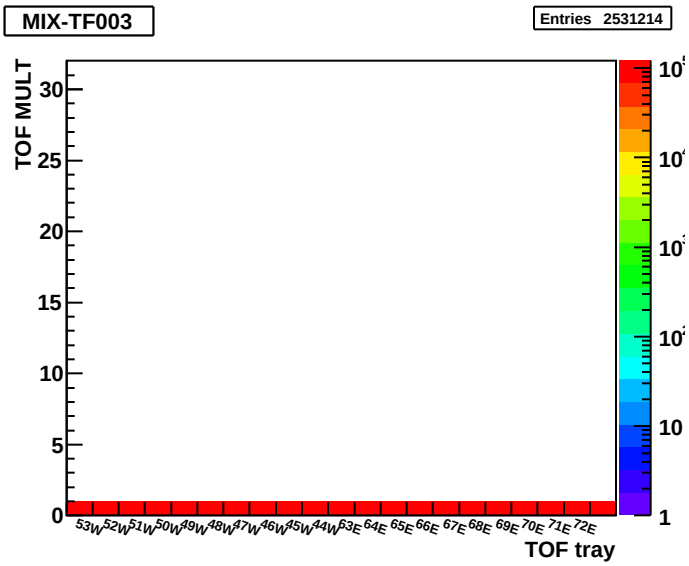

FP201 0-15 (ch5)
Entries 964272
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

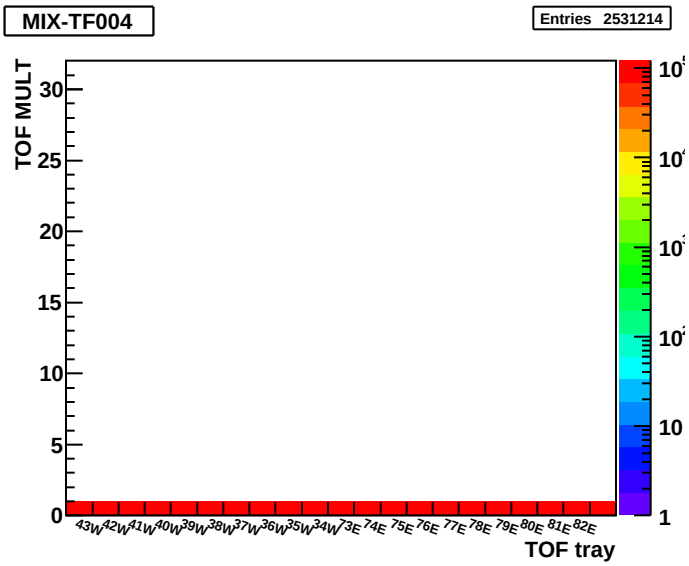

ST201 0-15 (ch6)
Entries 964272
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

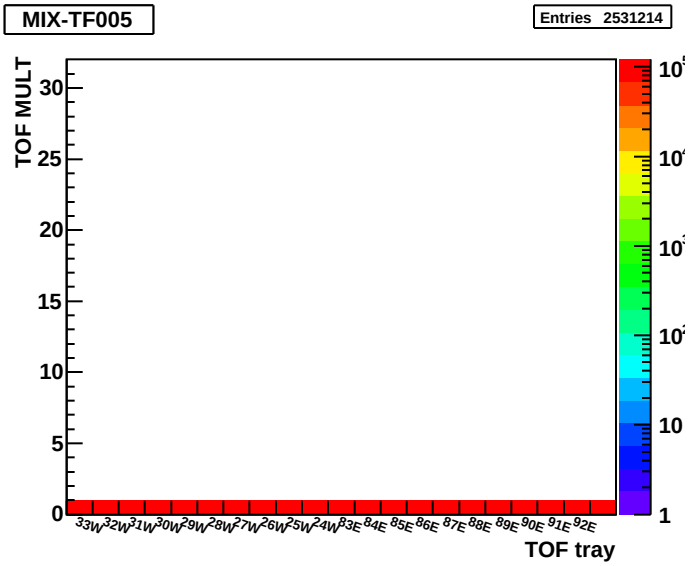

Unused (ch7)
Entries 964272

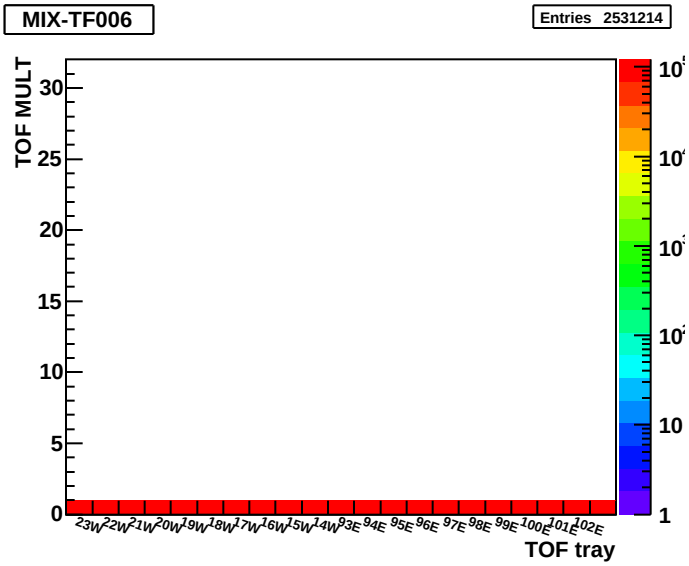

MIX-TF001
Entries 2531214
TOF MULT
TOF tray

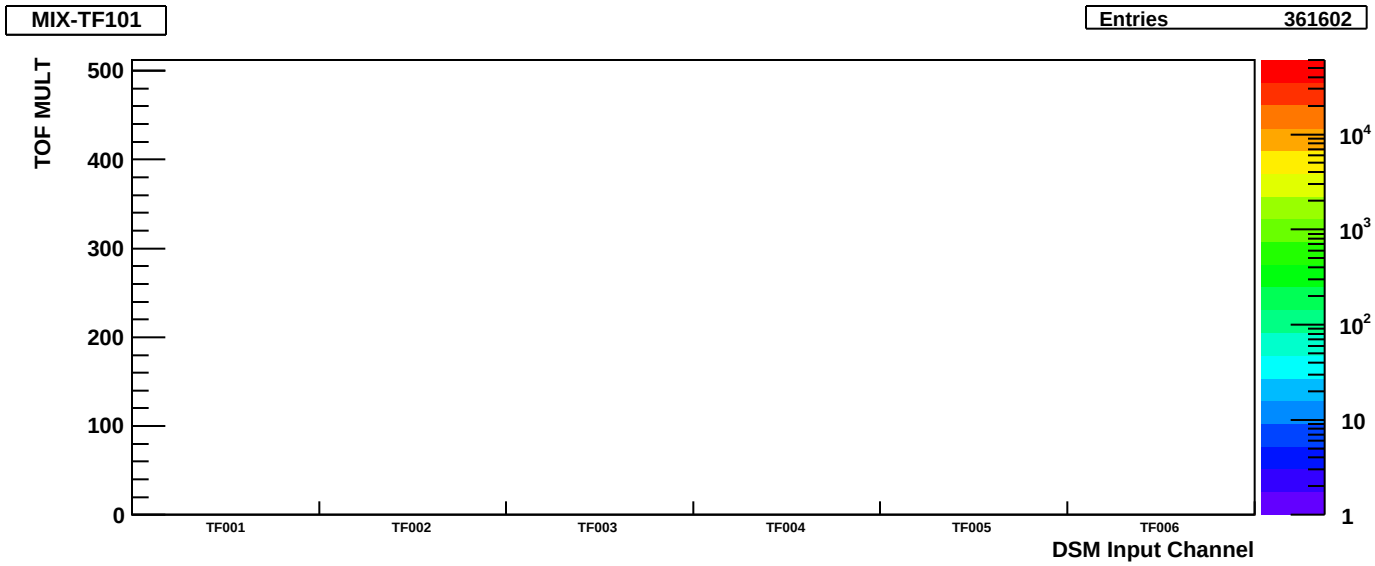

MIX-TF002
Entries 2531214
TOF MULT
TOF tray

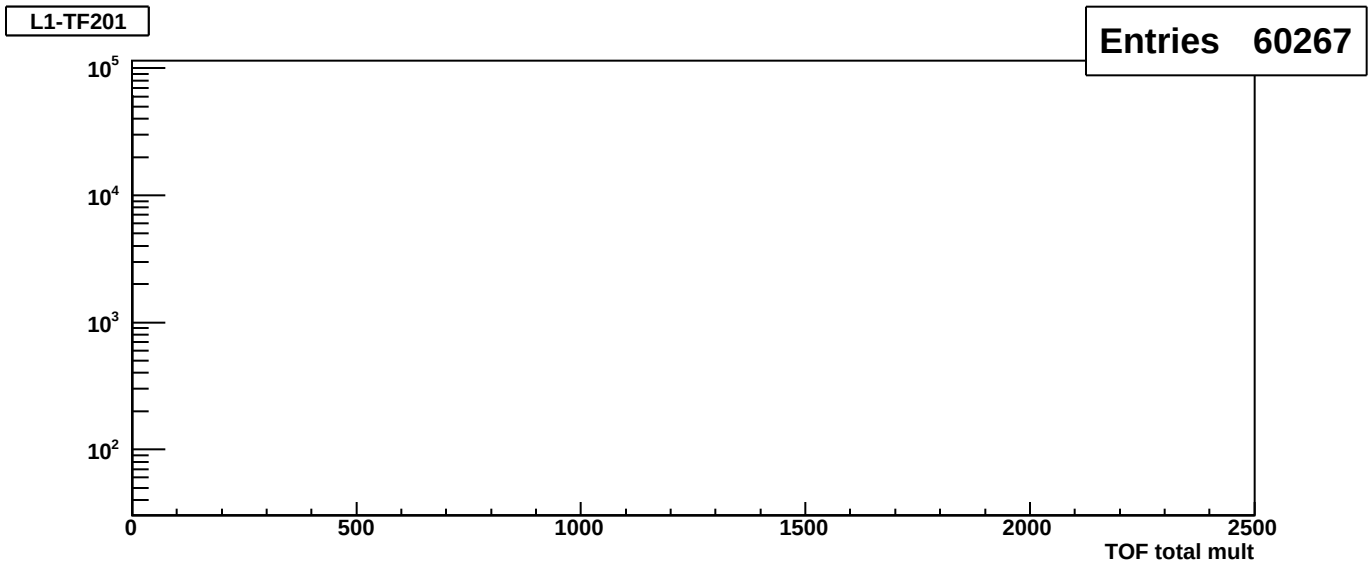

MIX-TF003
Entries 2531214
TOF MULT
TOF tray

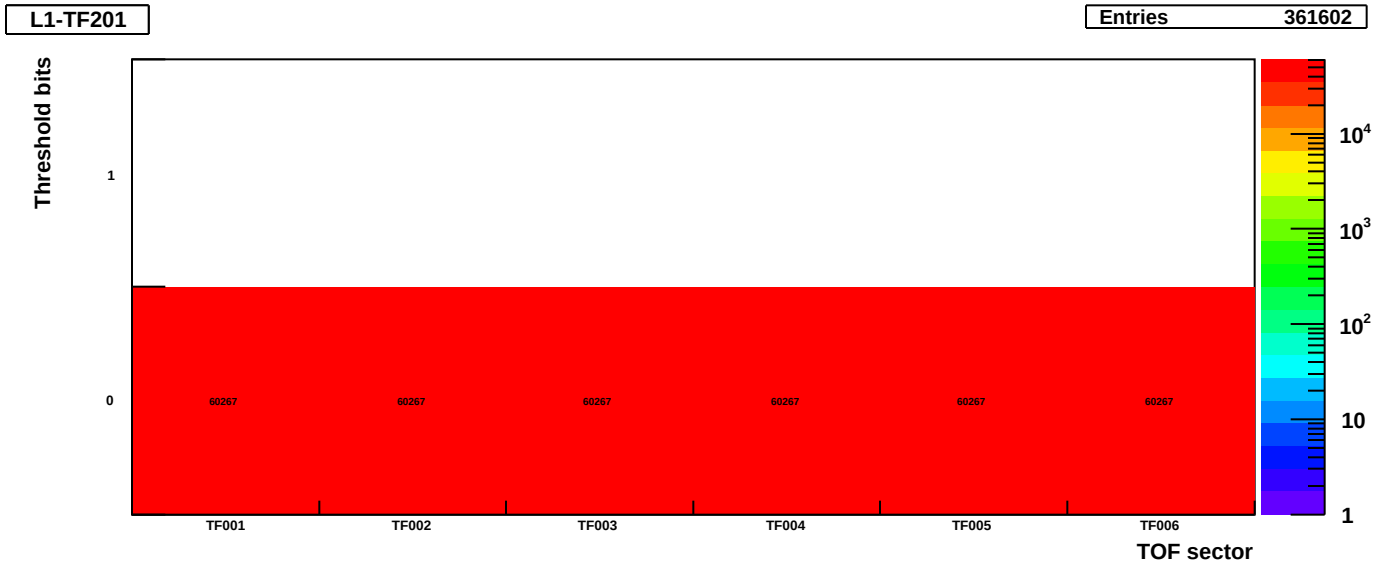

MIX-TF004
Entries 2531214
TOF MULT
TOF tray

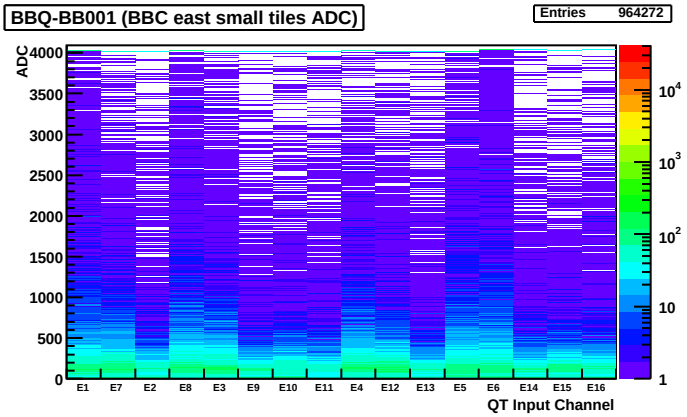

MIX-TF005
Entries 2531214
TOF MULT
TOF tray

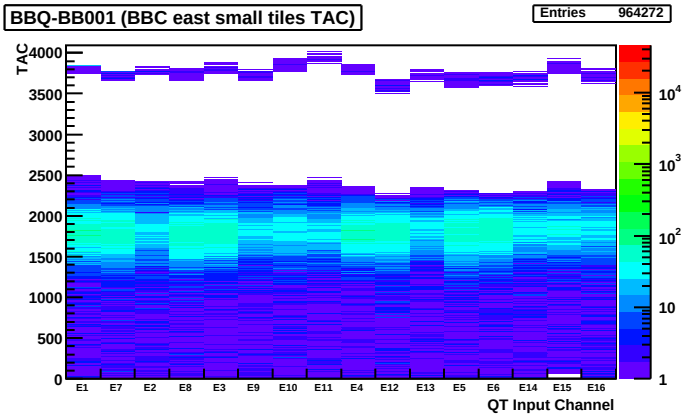

MIX-TF006
Entries 2531214
TOF MULT
TOF tray

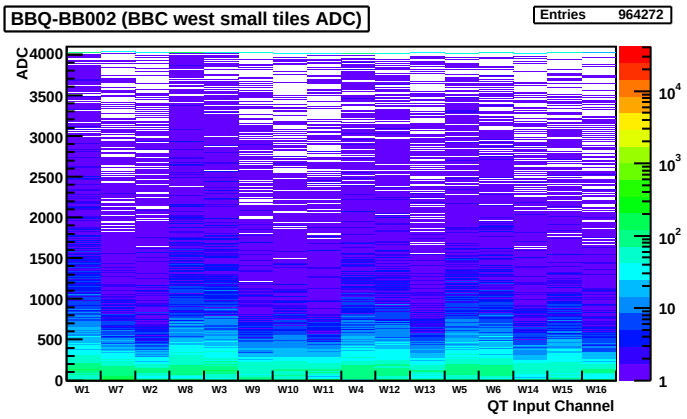

MIX-TF101
Entries 361602
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

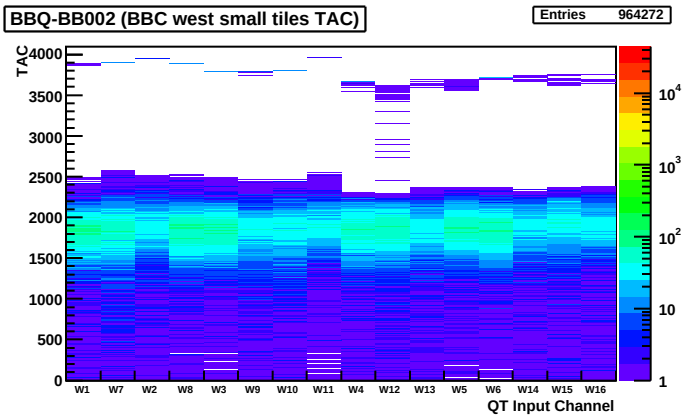

L1-TF201
Entries 60267
10^5
10^4
10^3
10^2
0
500
1000
1500
2000
2500
TOF total mult

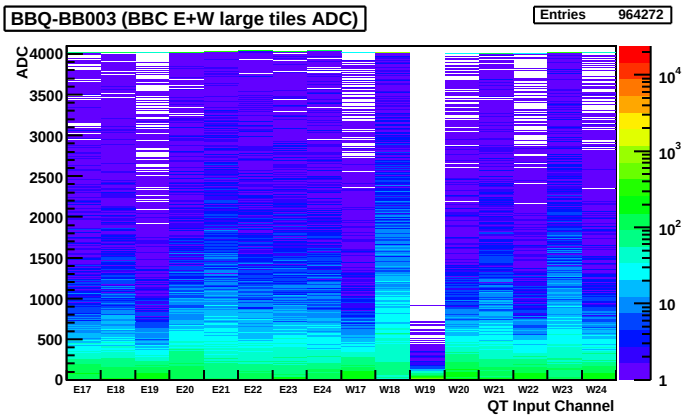

L1-TF201
Entries 361602
Threshold bits
1
0
60267
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4
10^3
10^2
10
1

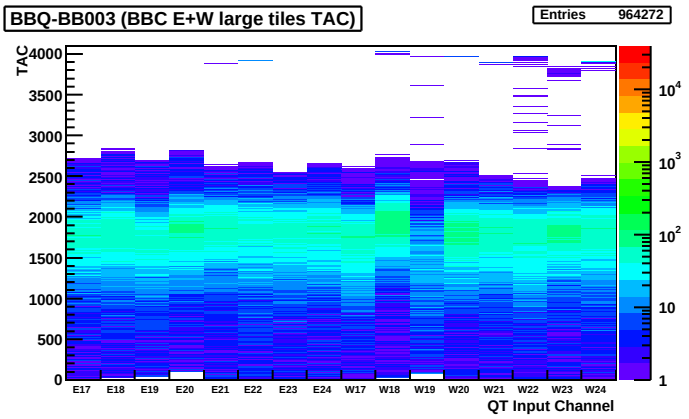

BBQ-BB001 (BBC east small tiles ADC)
Entries 964272
ADC
QT Input Channel

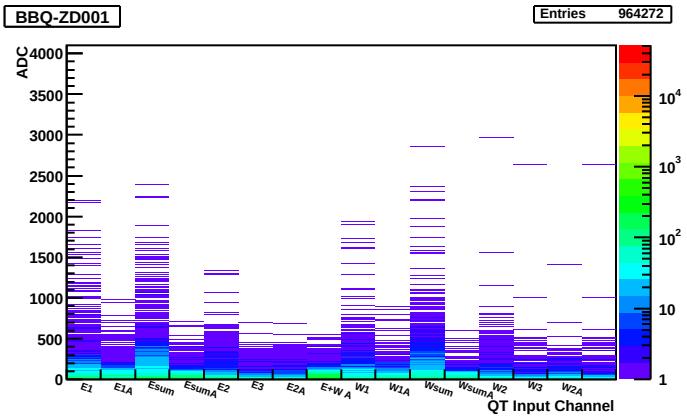

BBQ-BB001 (BBC east small tiles TAC)
Entries 964272
TAC
QT Input Channel

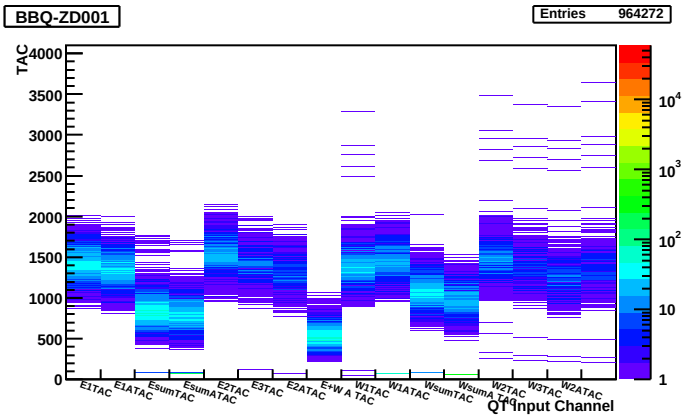

BBQ-BB002 (BBC west small tiles ADC)
Entries 964272
ADC
QT Input Channel

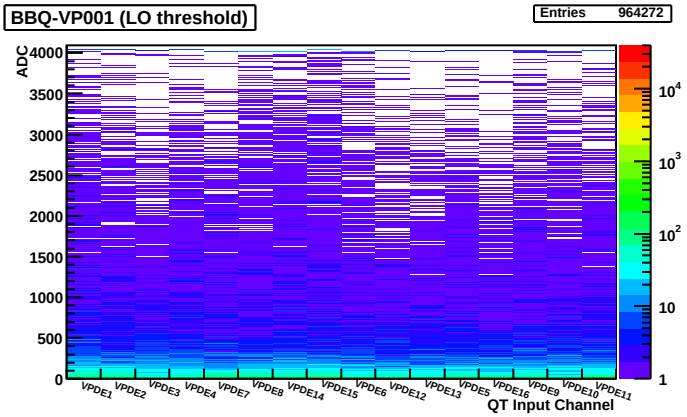

BBQ-BB002 (BBC west small tiles TAC)
Entries 964272
TAC
QT Input Channel

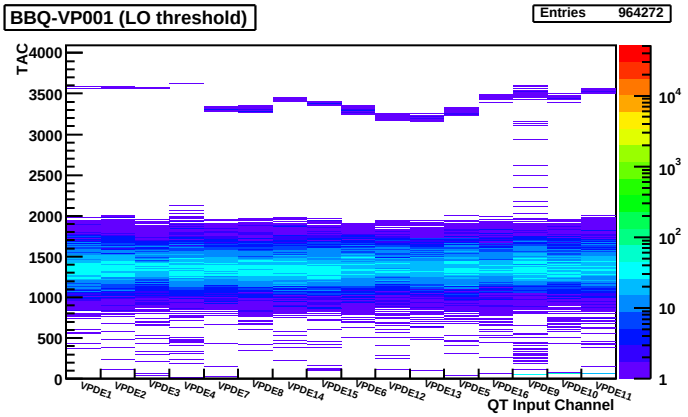

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 964272
ADC
QT Input Channel

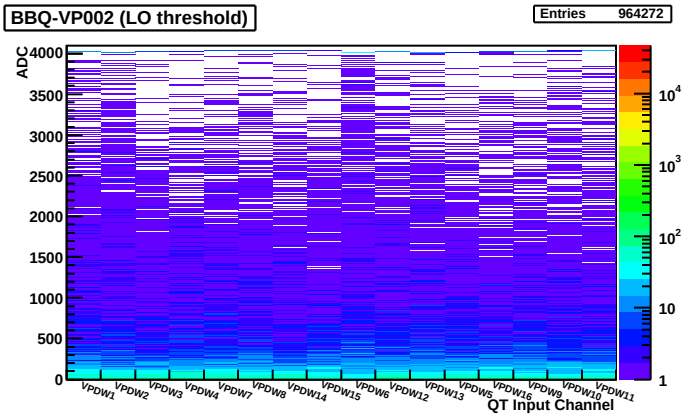

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 964272
TAC
QT Input Channel

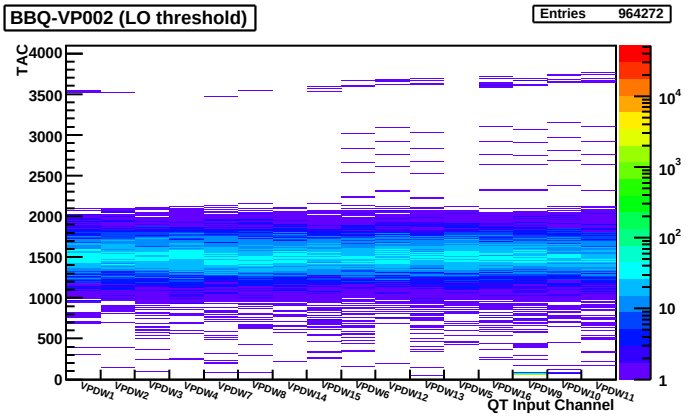

BBQ-ZD001
Entries 964272
ADC
QT Input Channel

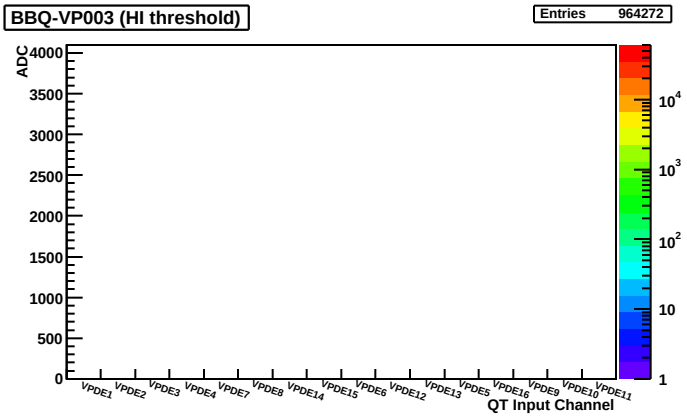

BBQ-ZD001
Entries 964272
TAC
QT Input Channel

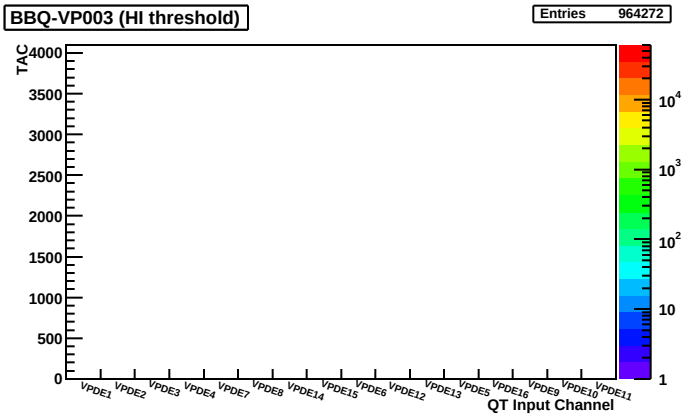

BBQ-VP001 (LO threshold)
Entries 964272
ADC
QT Input Channel

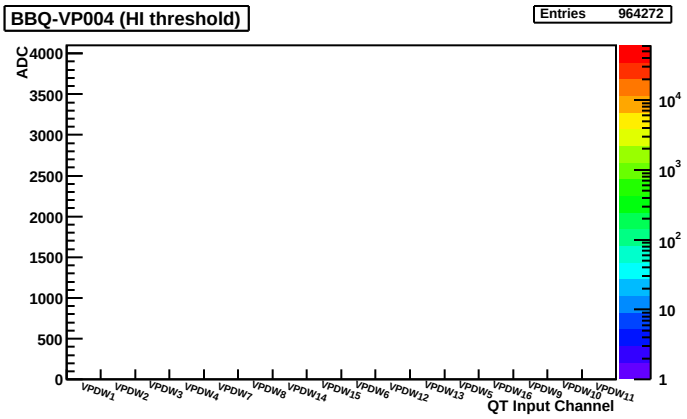

BBQ-VP001 (LO threshold)
Entries 964272
TAC
QT Input Channel

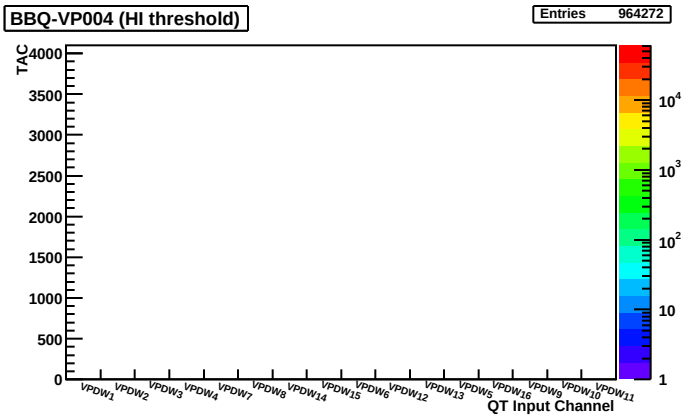

BBQ-VP002 (LO threshold)
Entries 964272
ADC
QT Input Channel

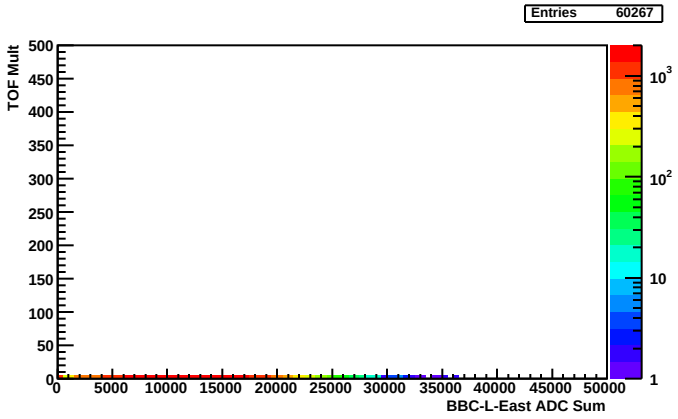

BBQ-VP002 (LO threshold)
Entries 964272
TAC
QT Input Channel

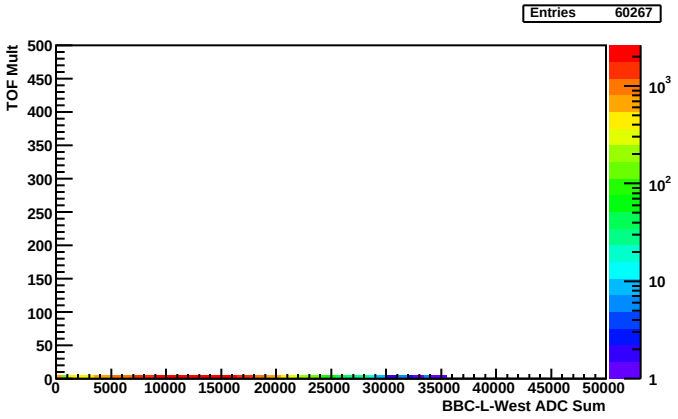

BBQ-VP003 (HI threshold)
Entries 964272
ADC
QT Input Channel

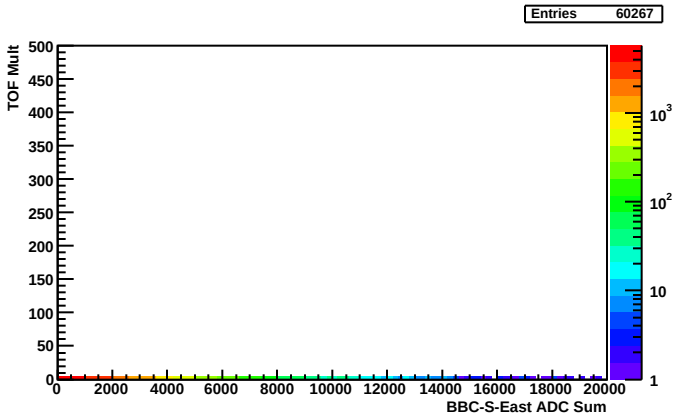

BBQ-VP003 (HI threshold)
Entries 964272
TAC
QT Input Channel

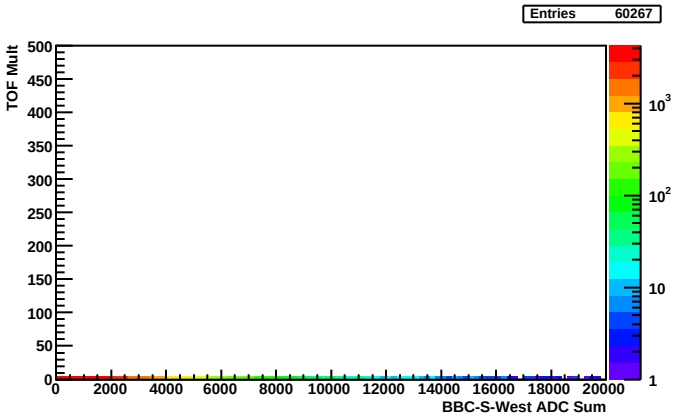

BBQ-VP004 (HI threshold)
Entries 964272
ADC
QT Input Channel

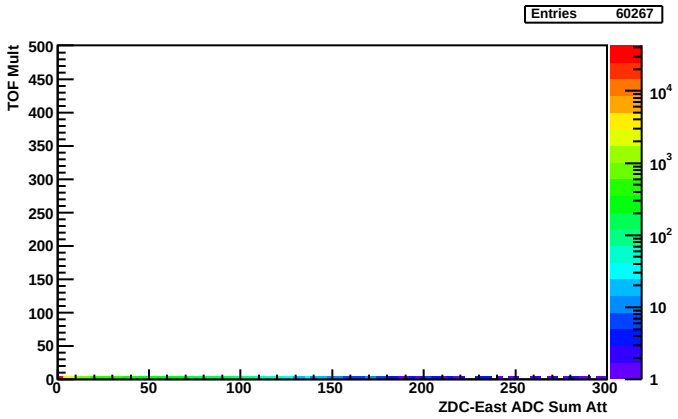

BBQ-VP004 (HI threshold)
Entries 964272
TAC
QT Input Channel

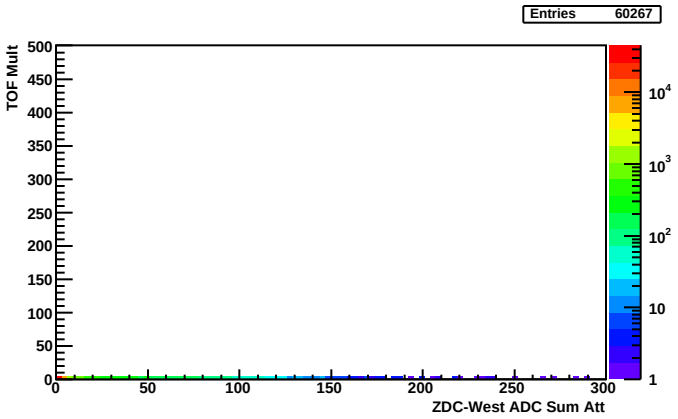

Entries 60267
TOF Mult
BBC-L-East ADC Sum

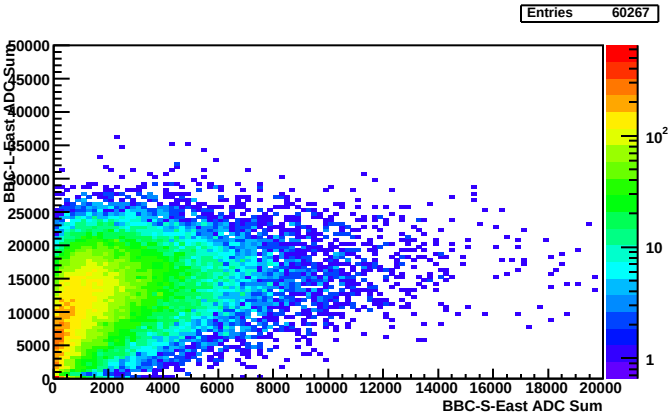

Entries 60267
TOF Mult
BBC-L-West ADC Sum

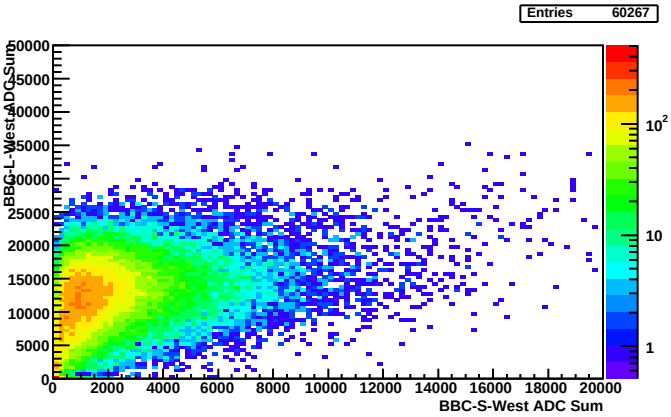

Entries 60267
TOF Mult
BBC-S-East ADC Sum

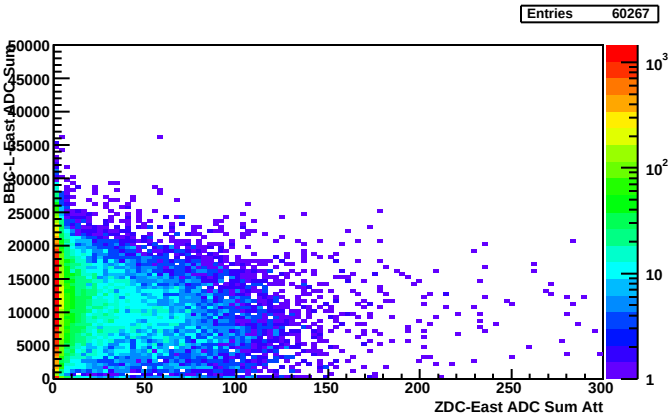

Entries 60267
TOF Mult
BBC-S-West ADC Sum

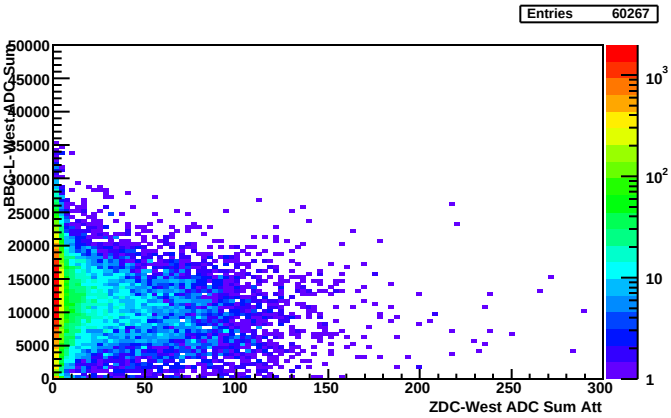

Entries 60267
TOF Mult
ZDC-East ADC Sum Att

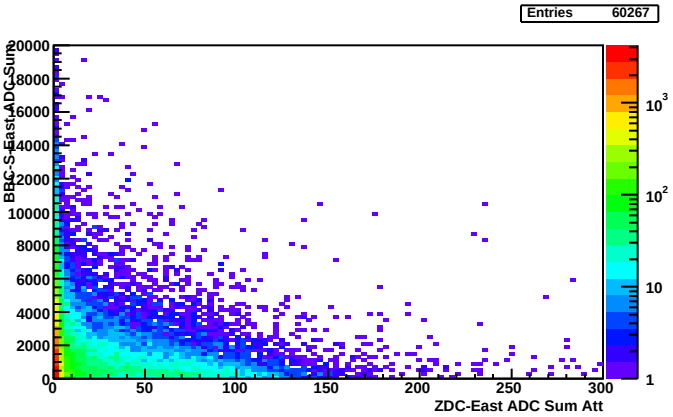

Entries 60267
TOF Mult
ZDC-West ADC Sum Att

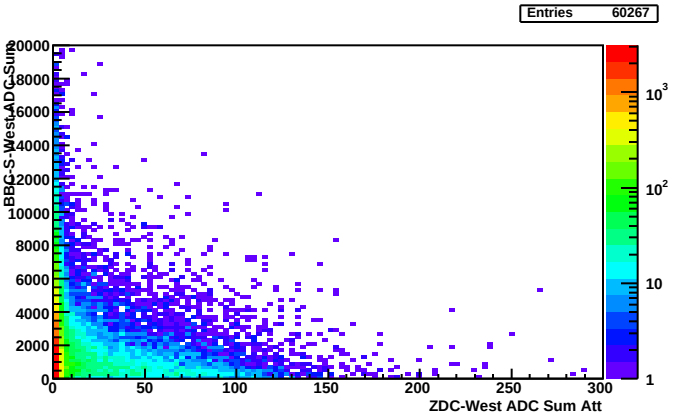

Entries 60267
BBC-L-East ADC Sum
BBC-S-East ADC Sum

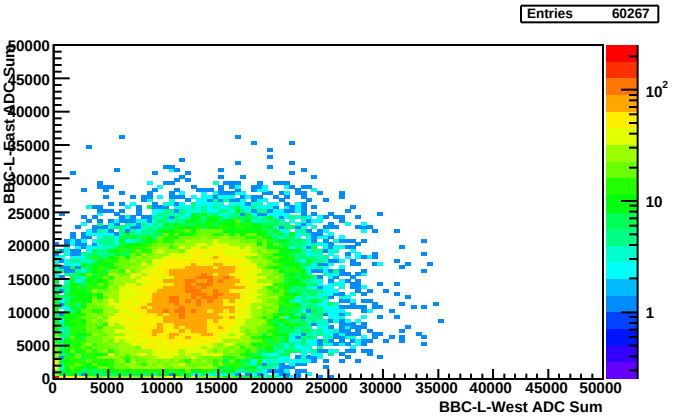

Entries 60267
BBC-L-West ADC Sum
BBC-S-West ADC Sum

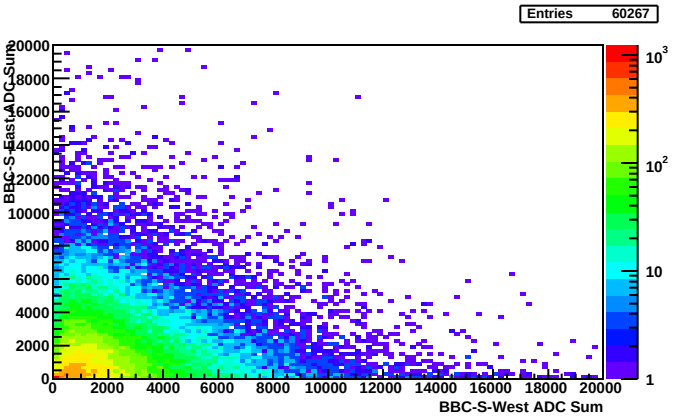

Entries 60267
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

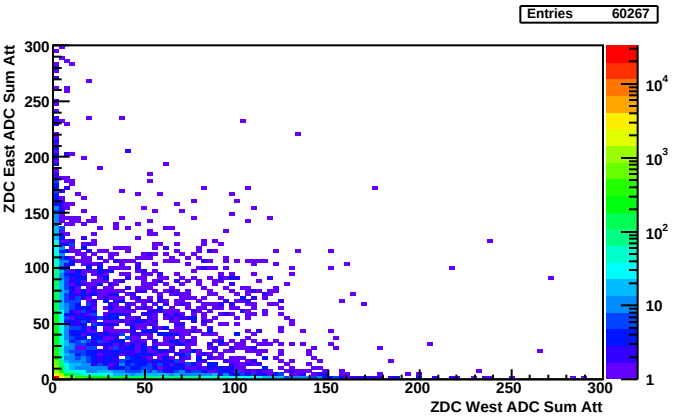

Entries 60267
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

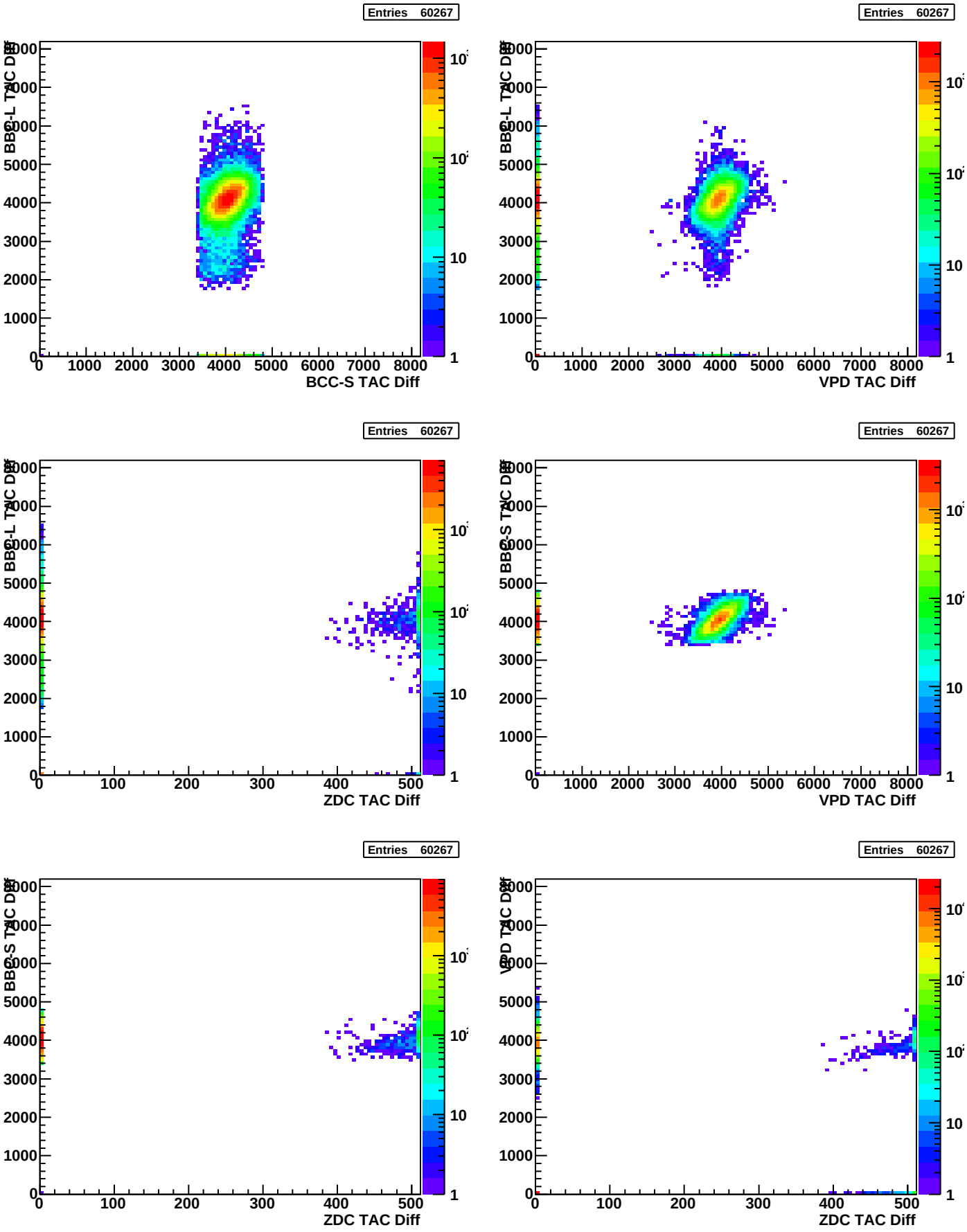

Entries 60267
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

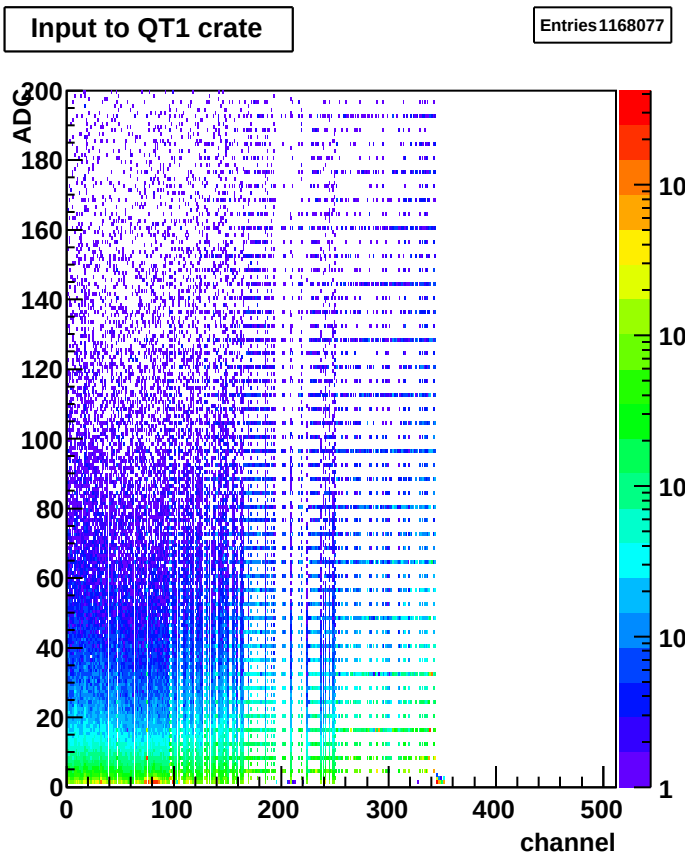

Entries 60267
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

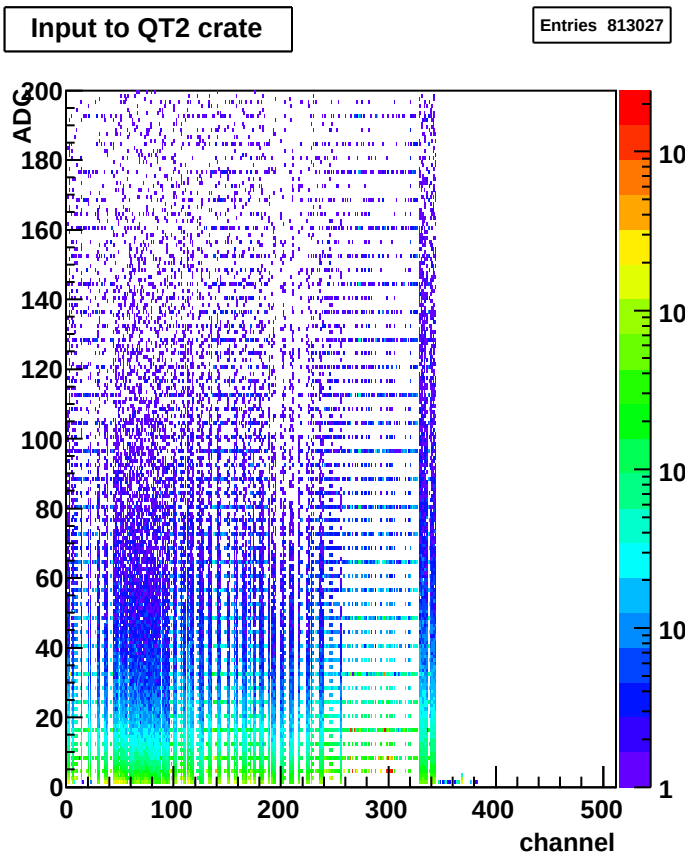

Entries 60267
BBC-L-East ADC Sum
BBC-L-West ADC Sum

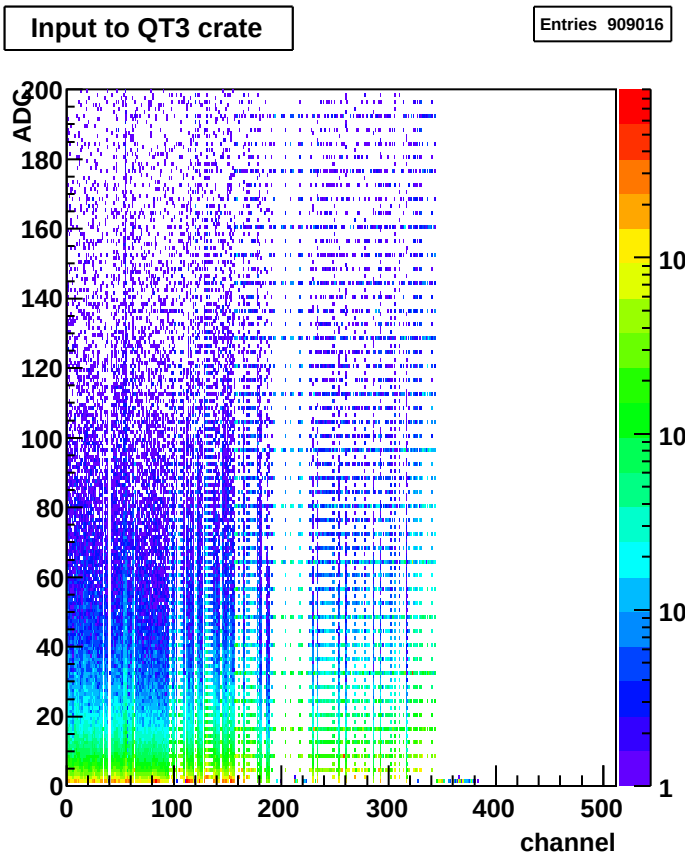

Entries 60267
BBC-S-East ADC Sum
BBC-S-West ADC Sum

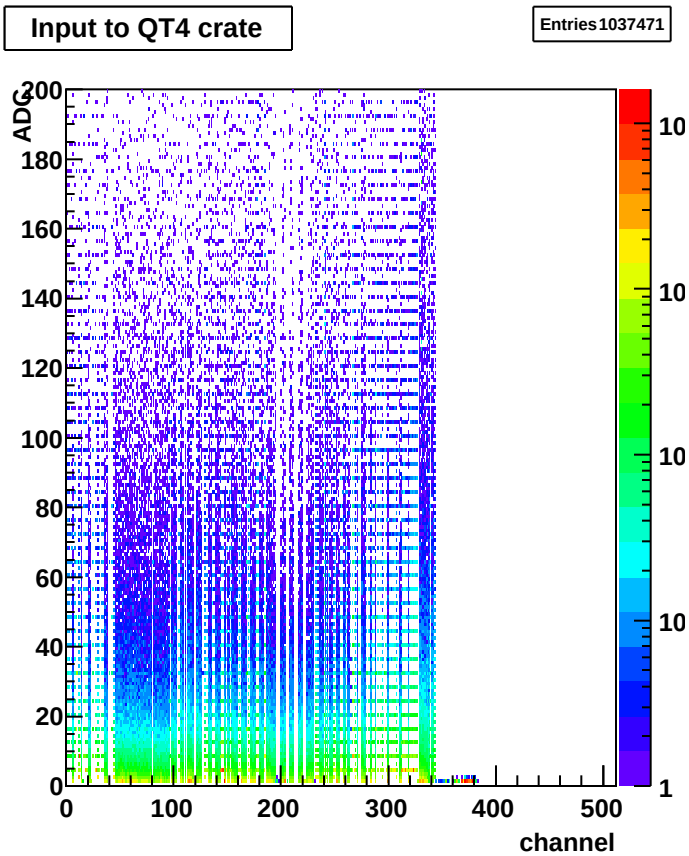

Entries 60267
ZDC East ADC Sum Att
ZDC West ADC Sum Att

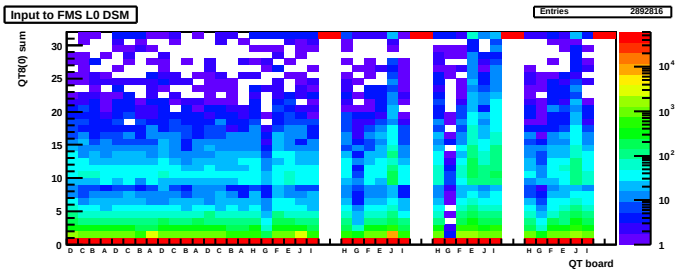

Entries 60267
BBC-L TAC Diff
BCC-S TAC Diff
Entries 60267
BBC-L TAC Diff
VPD TAC Diff
Entries 60267
BBC-L TAC Diff
ZDC TAC Diff
Entries 60267
BBC-S TAC Diff
VPD TAC Diff
Entries 60267
BBC-S TAC Diff
ZDC TAC Diff
Entries 60267
VPD TAC Diff
ZDC TAC Diff

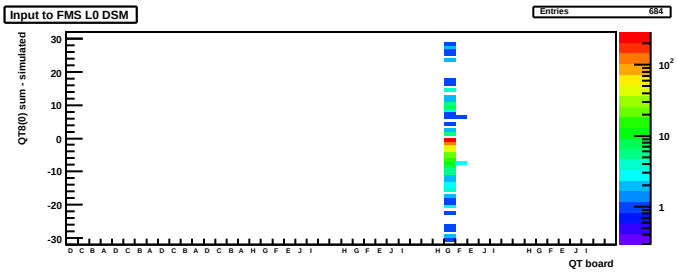

Input to QT1 crate
Entries 1168077
ADC
channel

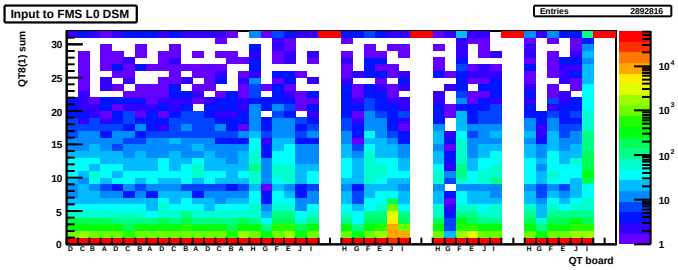

Input to QT2 crate
Entries 813027
ADC
channel

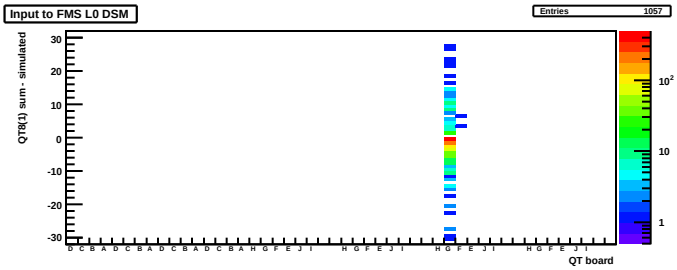

Input to QT3 crate
Entries 909016
ADC
channel

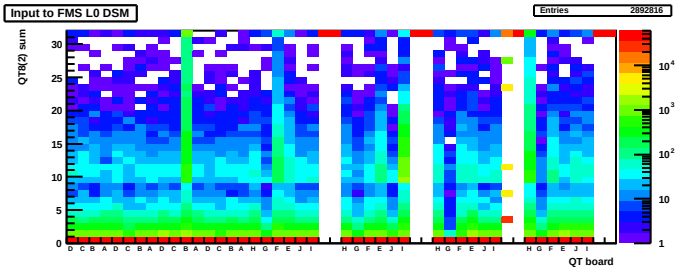

Input to QT4 crate
Entries 1037471
ADC
channel

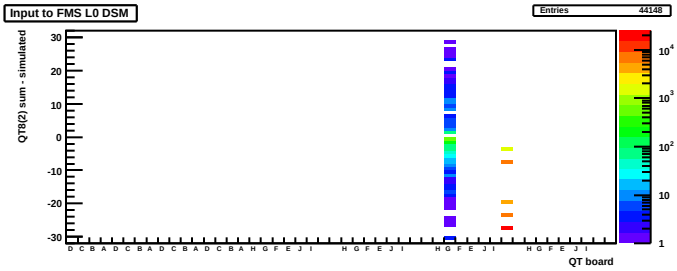

Input to FMS L0 DSM
Entries 2892816
QT8(0) sum
QT board

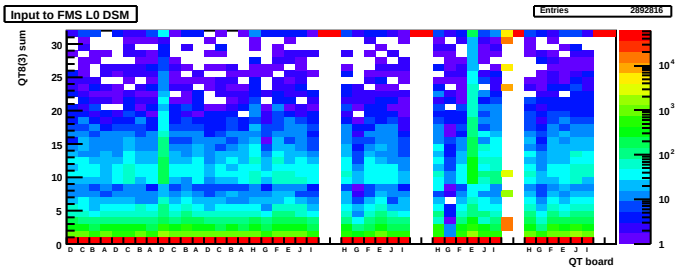

Input to FMS L0 DSM
Entries 684
QT8(0) sum - simulated
QT board

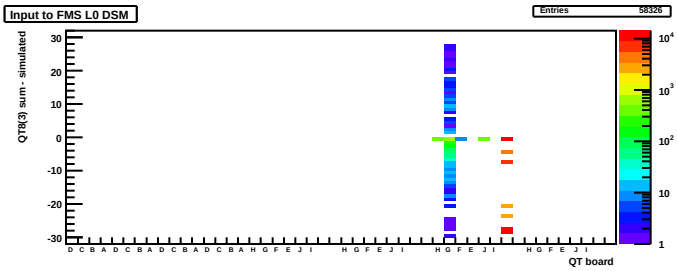

Input to FMS L0 DSM
Entries 2892816
QT8(1) sum
QT board

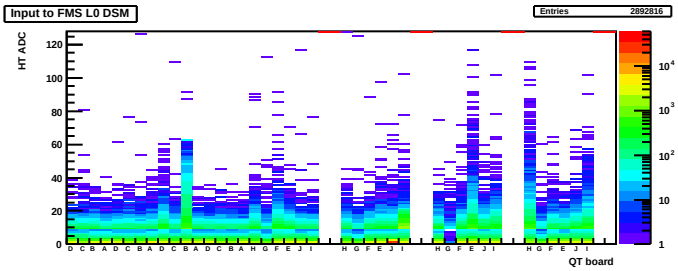

Input to FMS L0 DSM
Entries 1057
QT8(1) sum - simulated
QT board

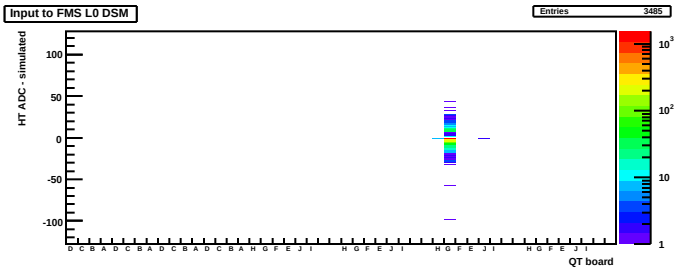

Input to FMS L0 DSM
Entries 2892816
QT8(2) sum
QT board

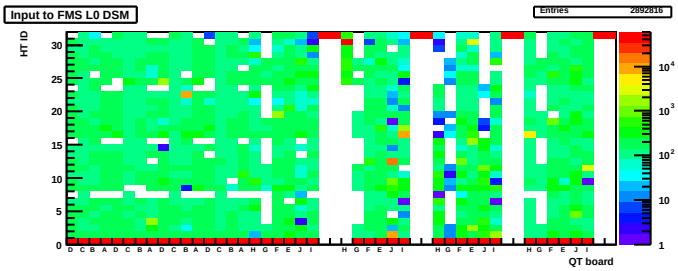

Input to FMS L0 DSM
Entries 44148
QT8(2) sum - simulated
QT board

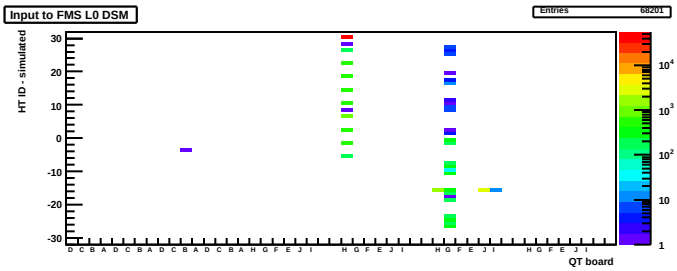

Input to FMS L0 DSM
Entries 2892816
QT8(3) sum
QT board

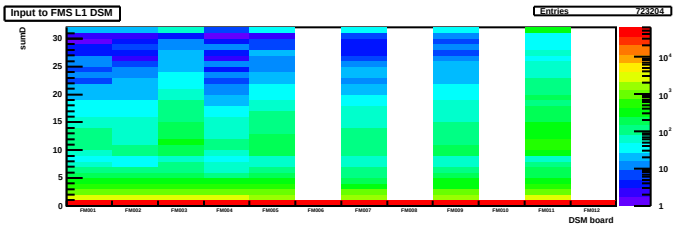

Input to FMS L0 DSM
Entries 58326
QT8(3) sum - simulated
QT board

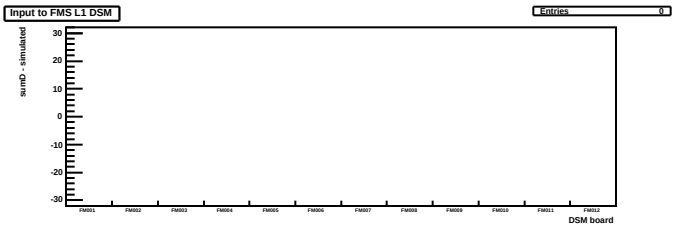

Input to FMS L0 DSM
Entries 2892816
HT ADC
QT board

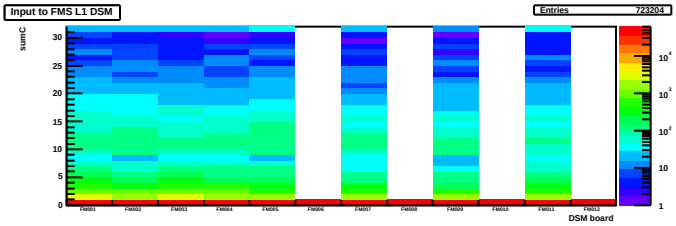

Input to FMS L0 DSM
Entries 3485
HT ADC - simulated
QT board

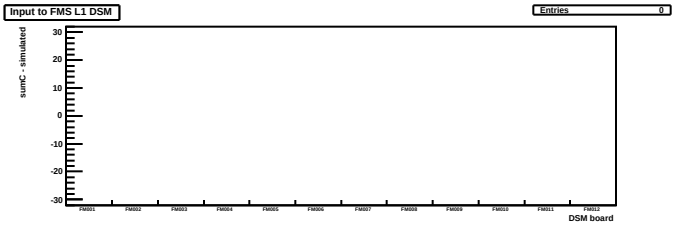

Input to FMS L0 DSM
Entries 2892816
HT ID
QT board

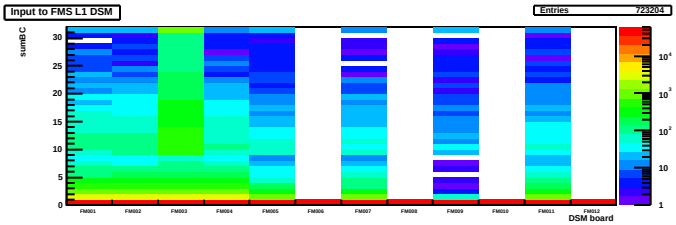

Input to FMS L0 DSM
Entries 68201
HT ID - simulated
QT board

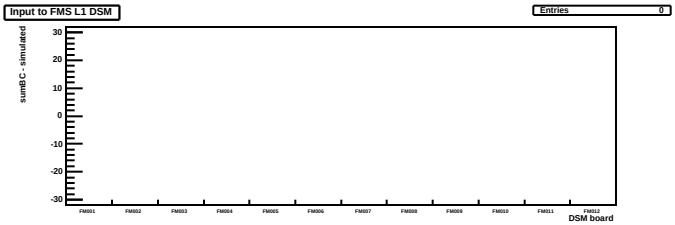

Input to FMS L1 DSM
Entries 723204
sumD
DSM board

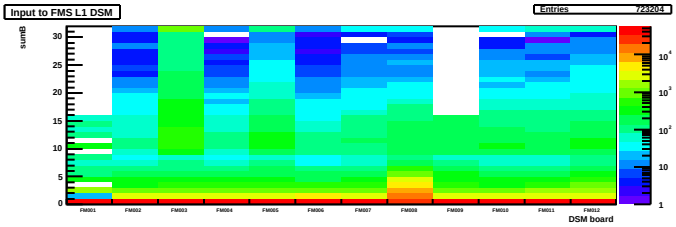

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

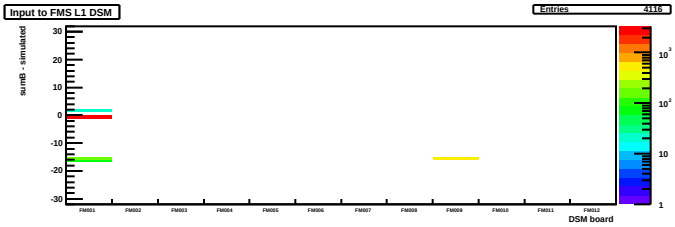

Input to FMS L1 DSM
Entries 723204
sumC
DSM board

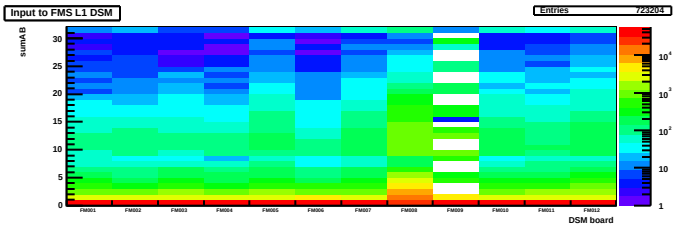

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

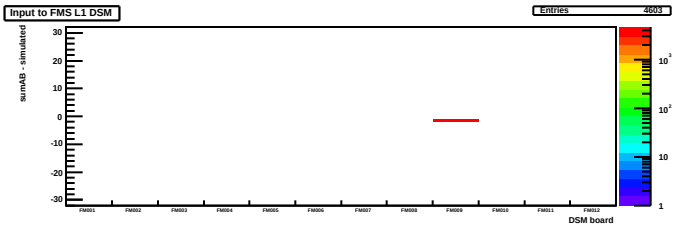

Input to FMS L1 DSM
Entries 723204
sumBC
DSM board

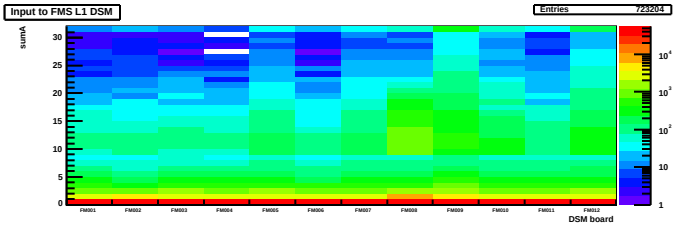

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

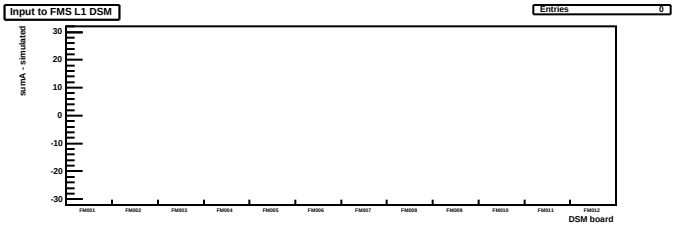

Input to FMS L1 DSM
Entries 723204
sumB
DSM board

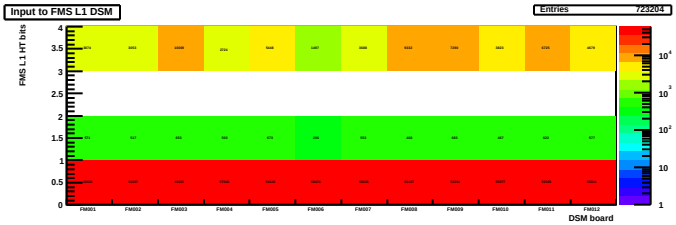

Input to FMS L1 DSM
Entries 4116
sumB - simulated
DSM board

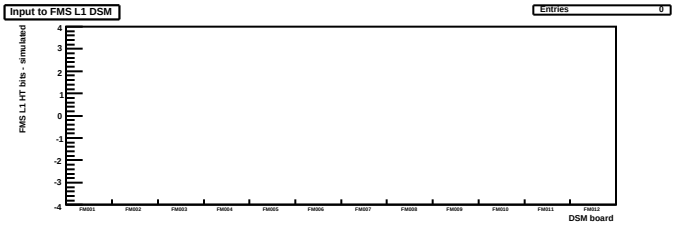

Input to FMS L1 DSM
Entries 723204
sumAB
DSM board

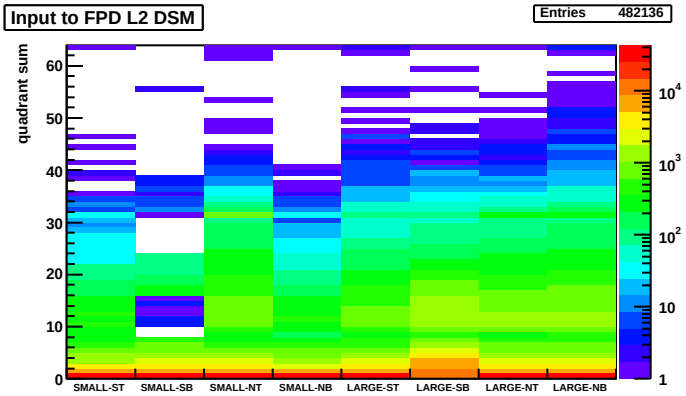

Input to FMS L1 DSM
Entries 4603
sumAB - simulated
DSM board

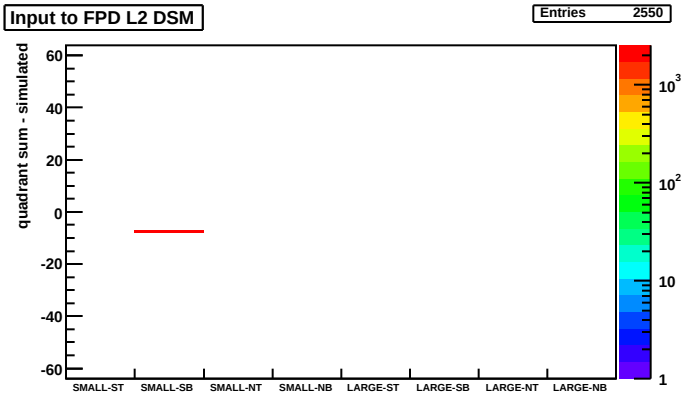

Input to FMS L1 DSM
Entries 723204
sumA
DSM board

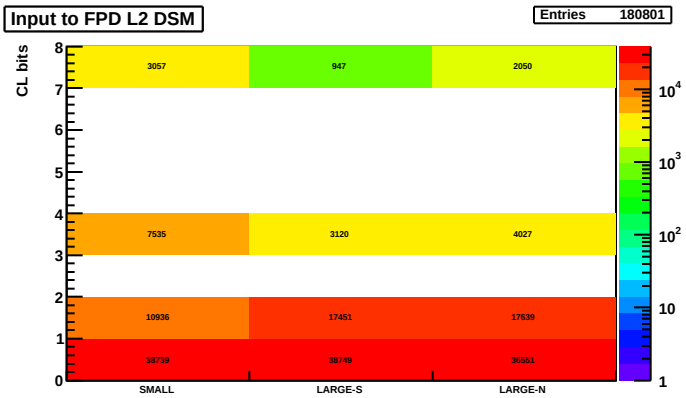

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

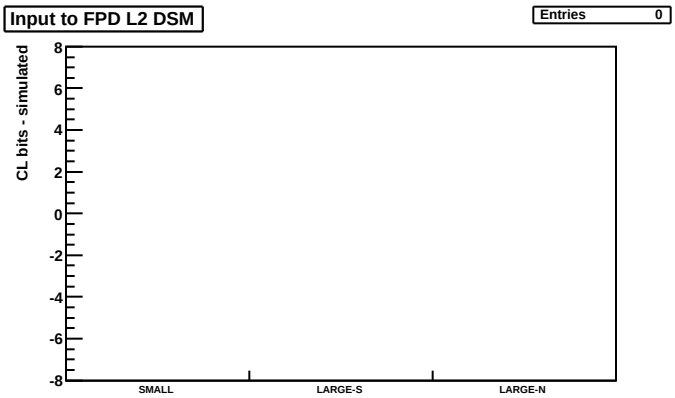

Input to FMS L1 DSM
Entries 723204
FMS L1 HT bits
DSM board

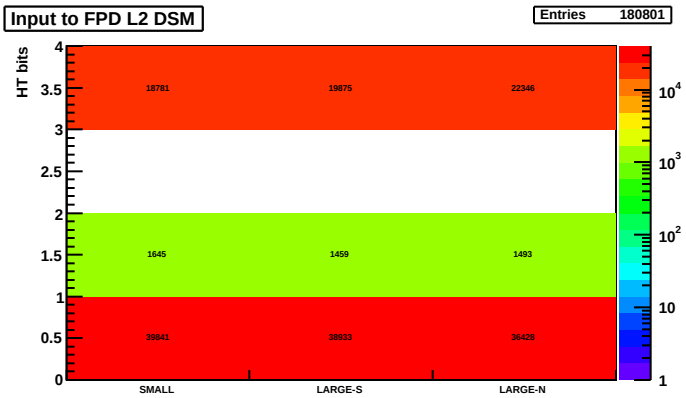

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

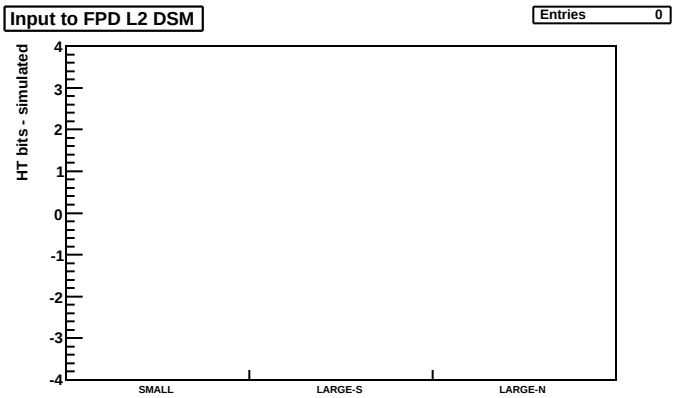

Input to FPD L2 DSM
Entries 482136
quadrant sum
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

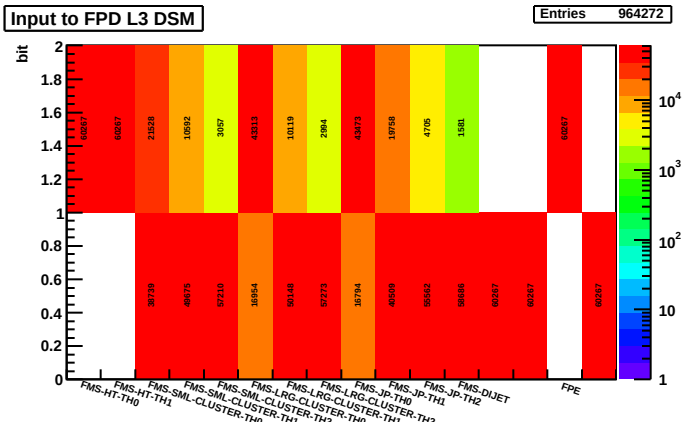

Input to FPD L2 DSM
Entries 2550
quadrant sum - simulated
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

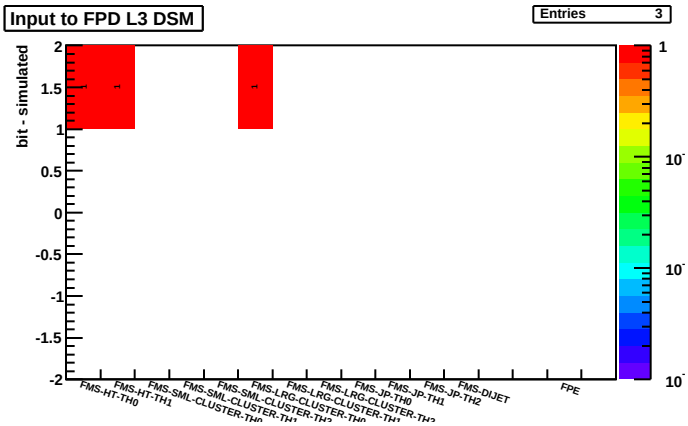

Input to FPD L2 DSM
Entries 180801
CL bits
3057 947 2050
7535 3120 4027
10936 17451 17639
38739 38749 36551
SMALL LARGE-S LARGE-N

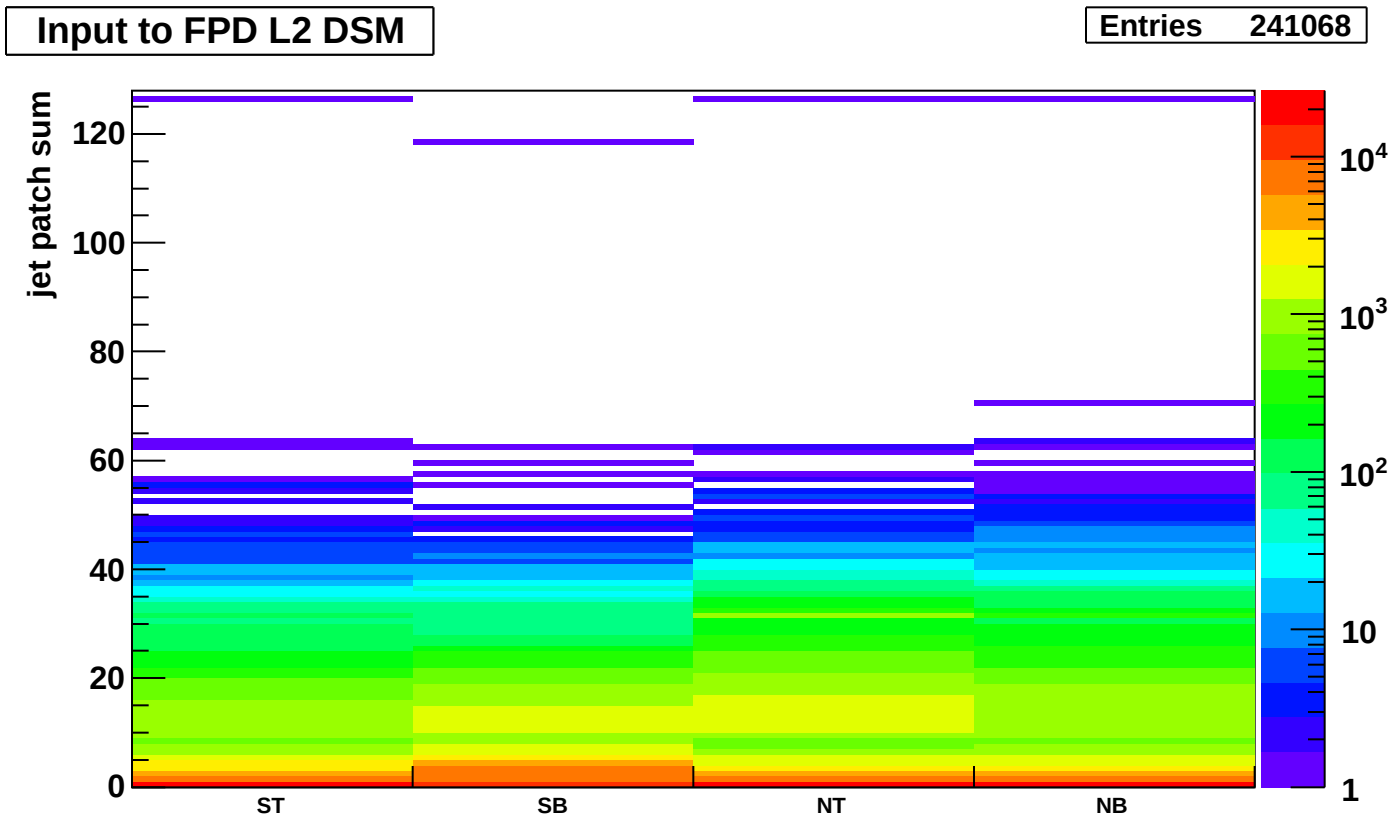

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL LARGE-S LARGE-N

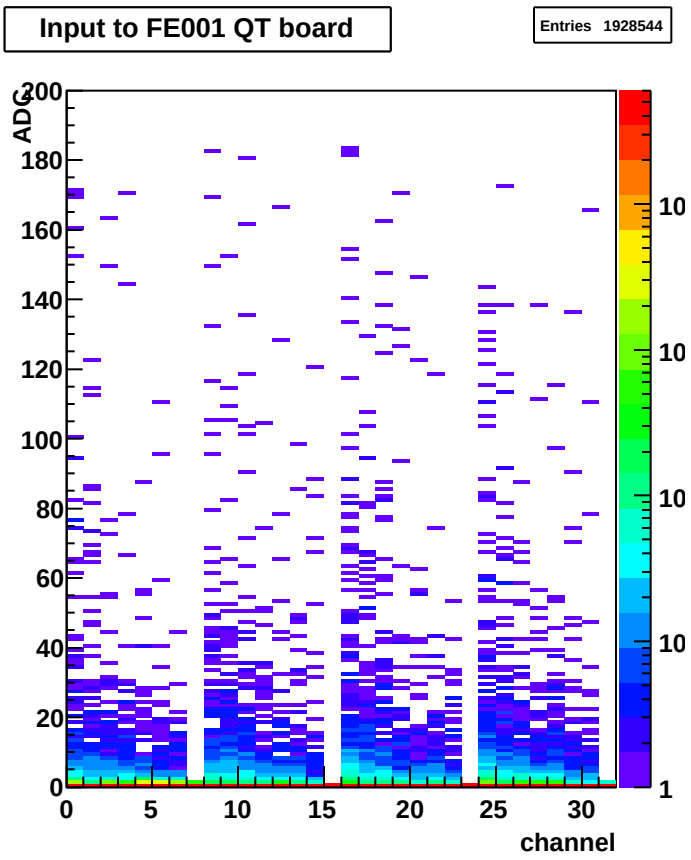

Input to FPD L2 DSM
Entries 180801
HT bits
18781 19875 22346
1645 1459 1493
39841 38933 36428
SMALL LARGE-S LARGE-N

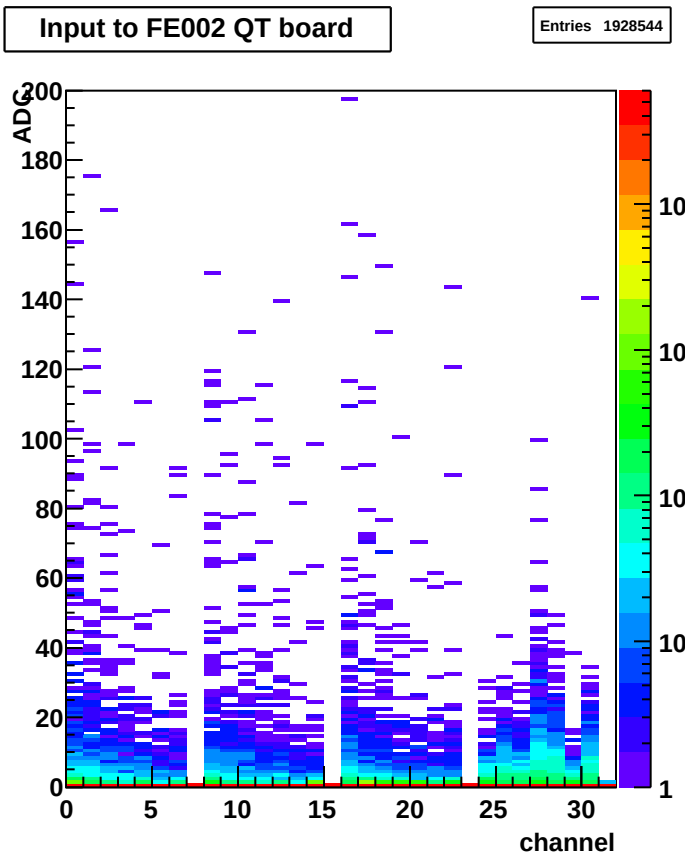

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL LARGE-S LARGE-N

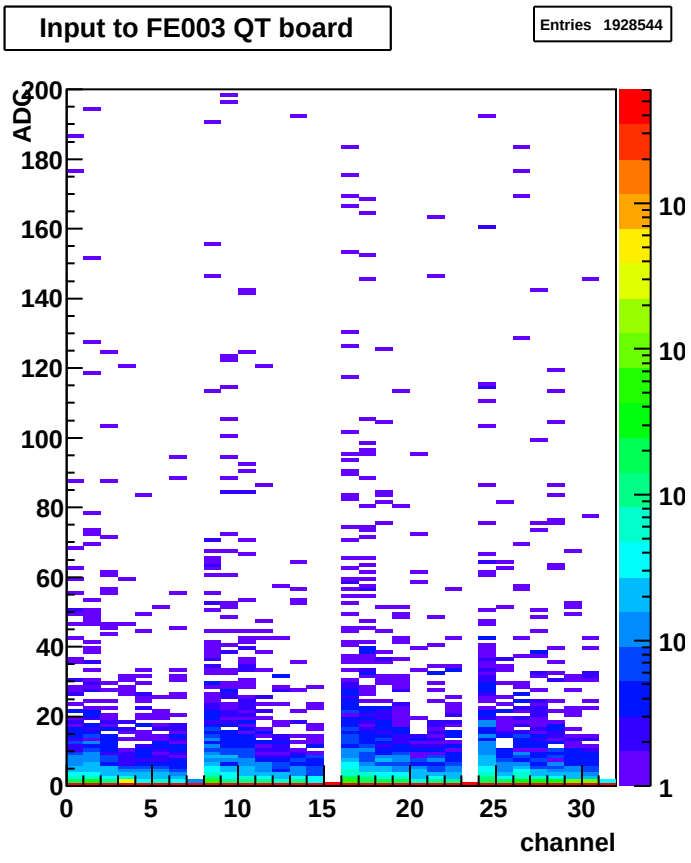

Input to FPD L3 DSM
Entries 964272
bit
FMS-HT-TH0 FMS-HT-TH1 FMS-SML-CLUSTER-TH0 FMS-SML-CLUSTER-TH1 FMS-SML-CLUSTER-TH2 FMS-LRG-CLUSTER-TH0 FMS-LRG-CLUSTER-TH1 FMS-LRG-CLUSTER-TH2 FMS-JP-TH0 FMS-JP-TH1 FMS-JP-TH2 FMS-DIJET FPE

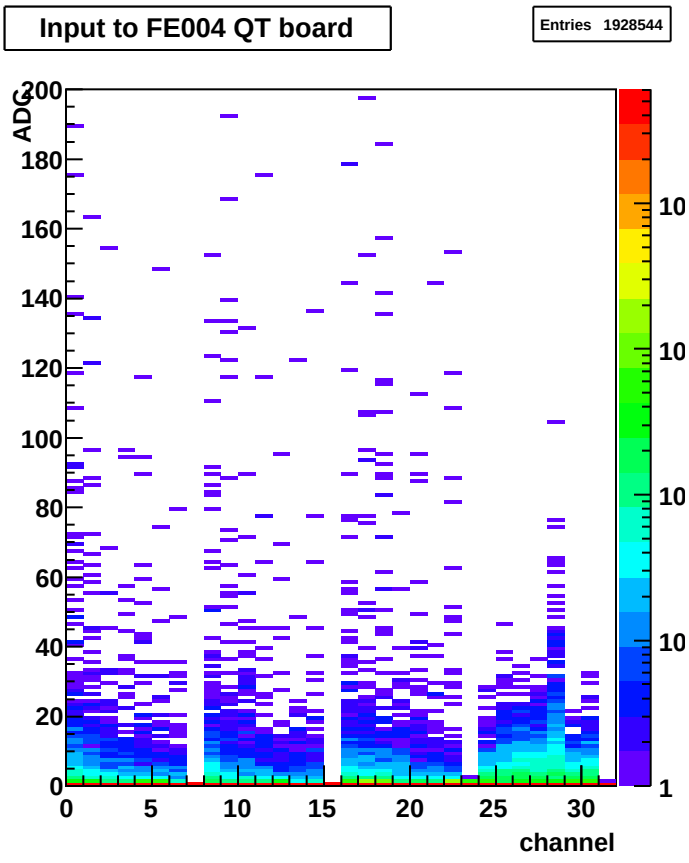

Input to FPD L3 DSM
Entries 3
bit - simulated
FMS-HT-TH0 FMS-HT-TH1 FMS-SML-CLUSTER-TH0 FMS-SML-CLUSTER-TH1 FMS-SML-CLUSTER-TH2 FMS-LRG-CLUSTER-TH0 FMS-LRG-CLUSTER-TH1 FMS-LRG-CLUSTER-TH2 FMS-JP-TH0 FMS-JP-TH1 FMS-JP-TH2 FMS-DIJET FPE

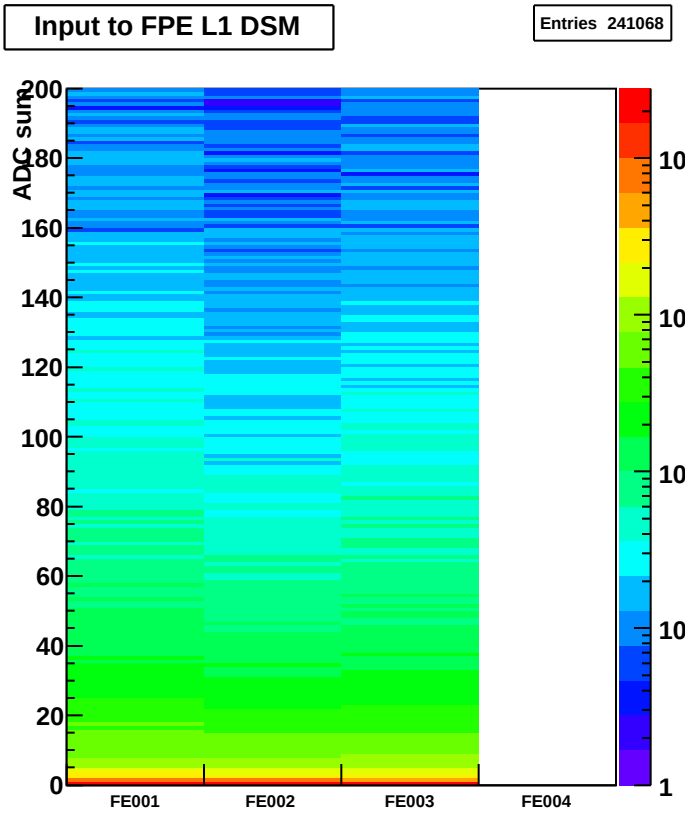

Input to FPD L2 DSM
Entries 241068
jet patch sum
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

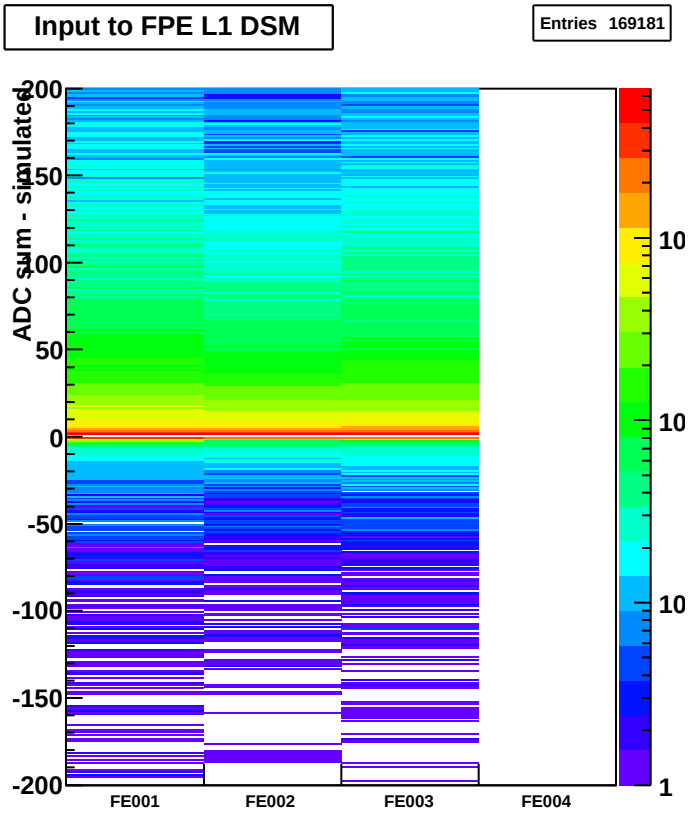

Input to FE001 QT board
Entries 1928544
ADC
channel

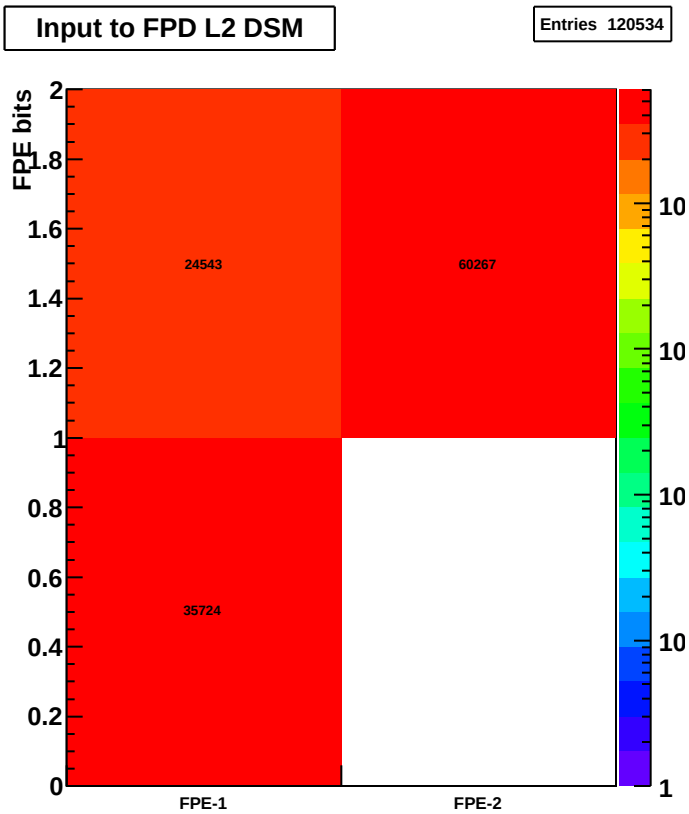

Input to FE002 QT board
Entries 1928544
ADC
channel

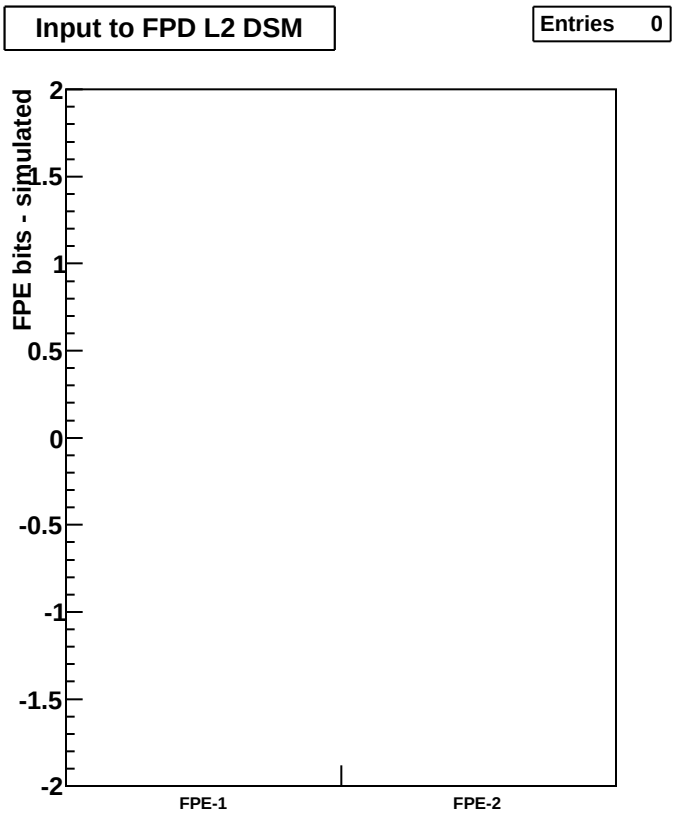

Input to FE003 QT board
Entries 1928544
ADC
channel


Input to FE004 QT board
Entries 1928544
ADC
channel


Input to FPE L1 DSM
Entries 241068
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 169181
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 120534
FPE bits
24543
60267
35724
FPE-1
FPE-2


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