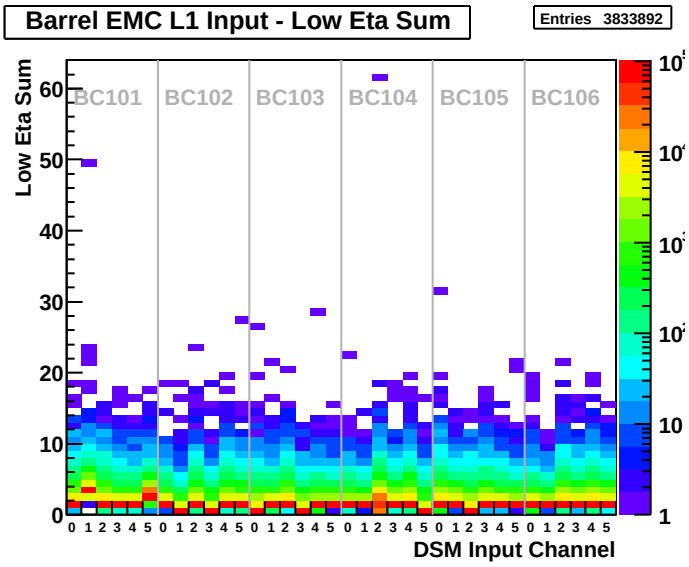
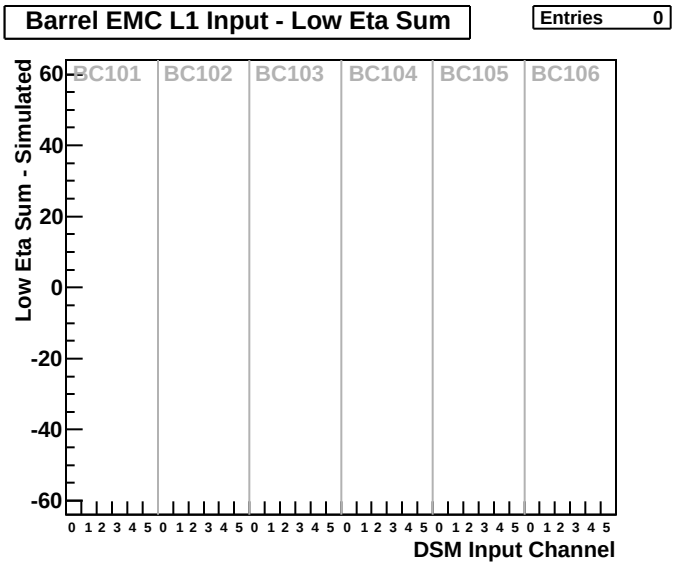
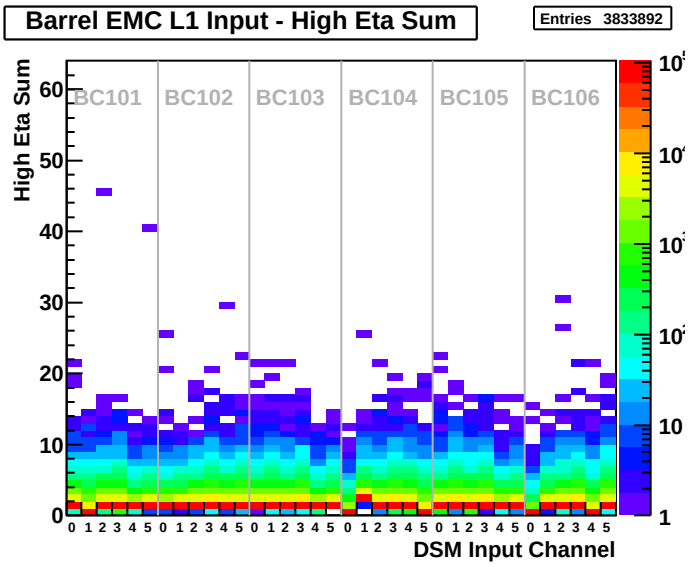
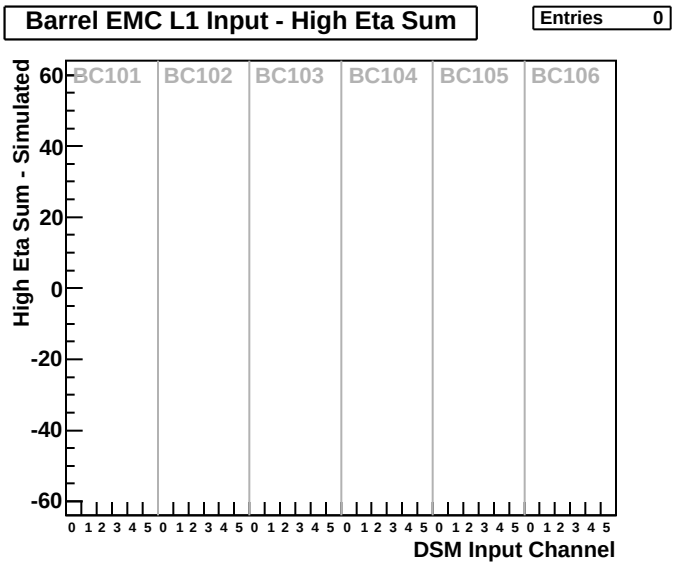
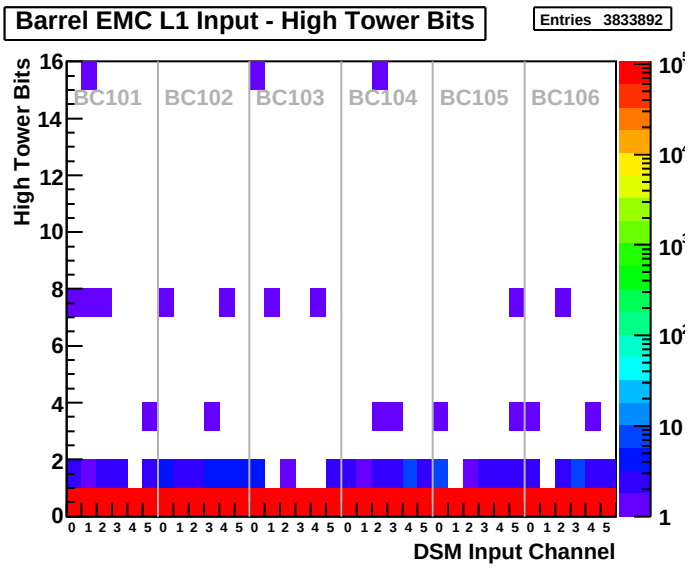
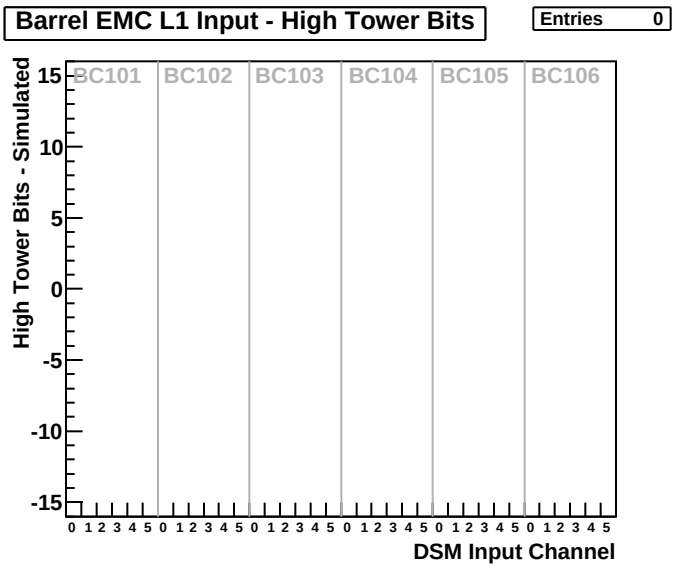

Barrel EMC L1 Input - Low Eta Sum
Entries 3833892
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

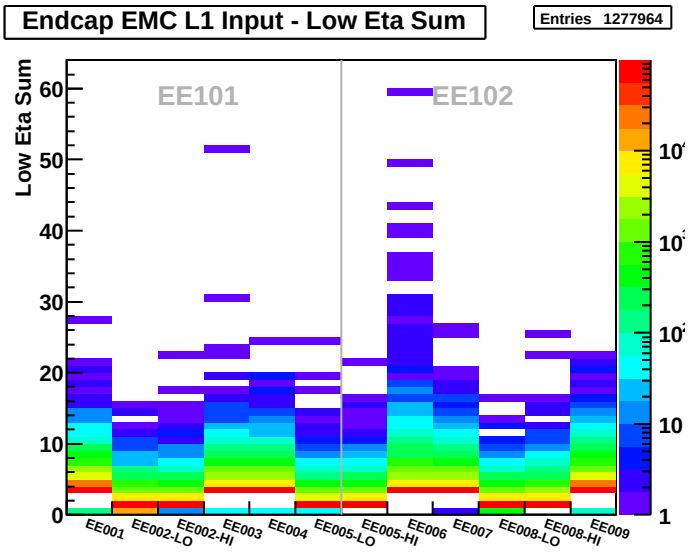

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

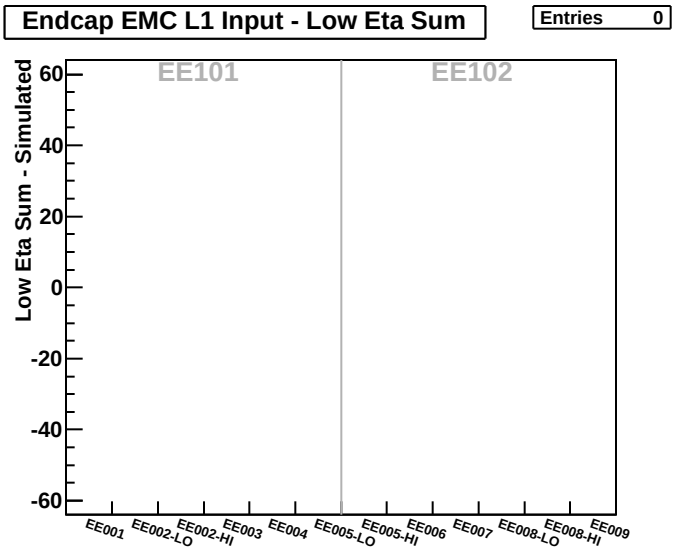

Barrel EMC L1 Input - High Eta Sum
Entries 3833892
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

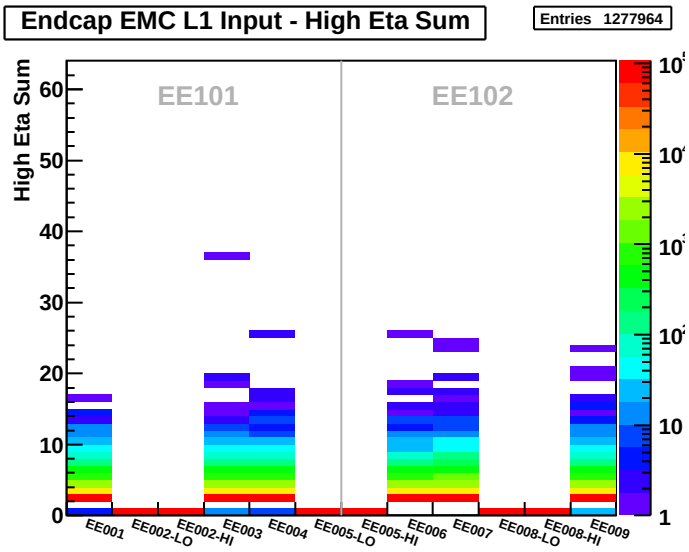

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

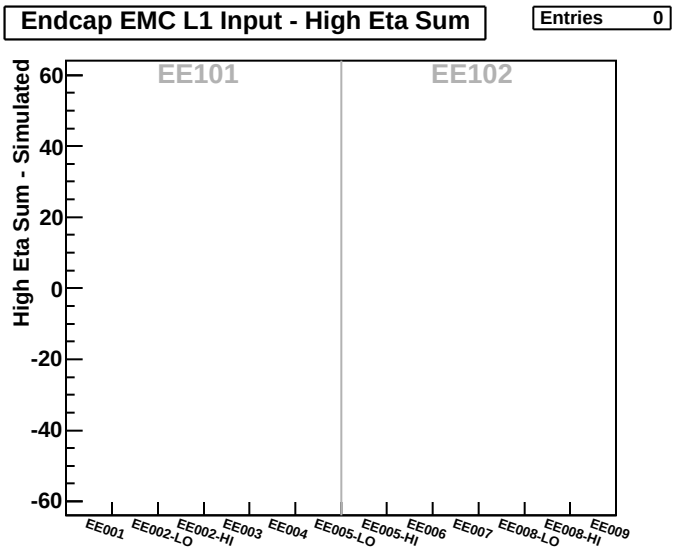

Barrel EMC L1 Input - High Tower Bits
Entries 3833892
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

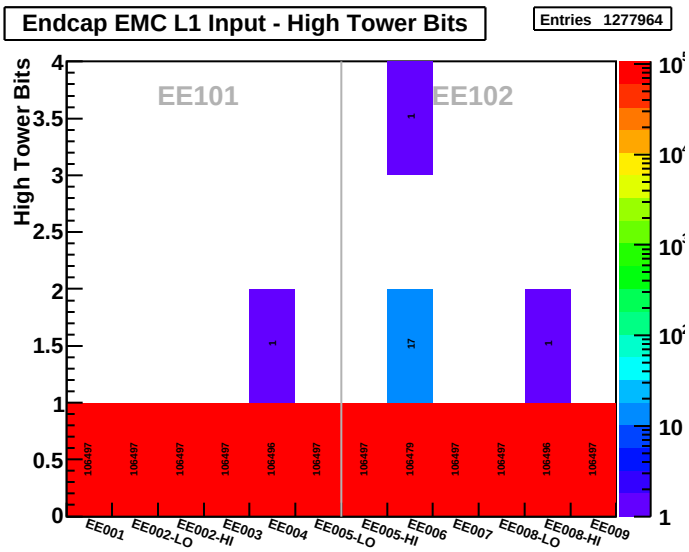

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

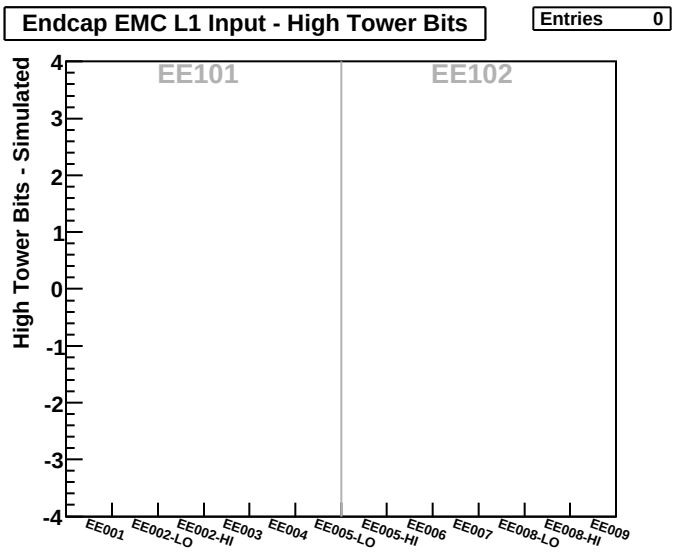

Endcap EMC L1 Input - Low Eta Sum
Entries 1277964
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

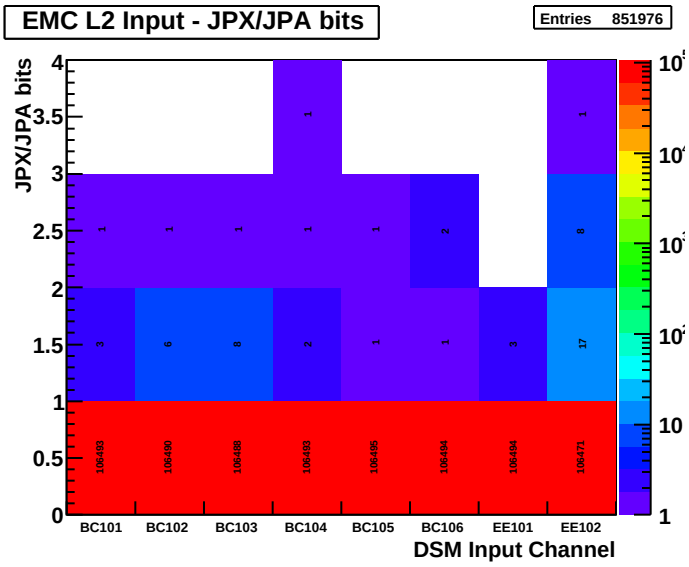

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

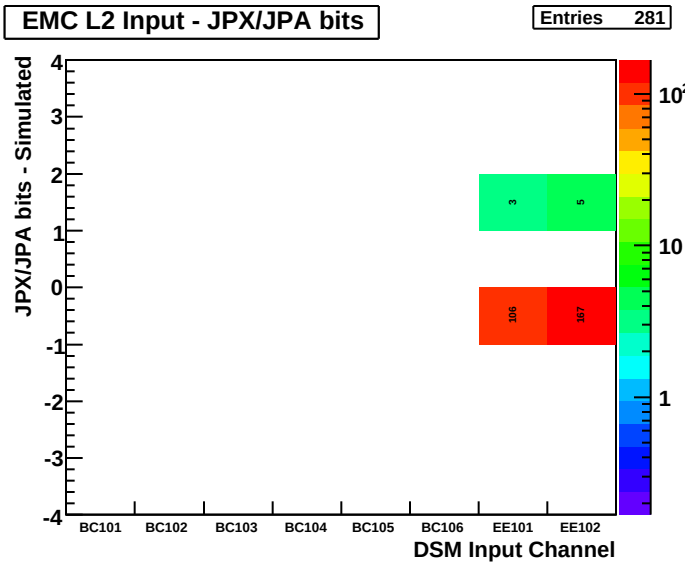

Endcap EMC L1 Input - High Eta Sum
Entries 1277964
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

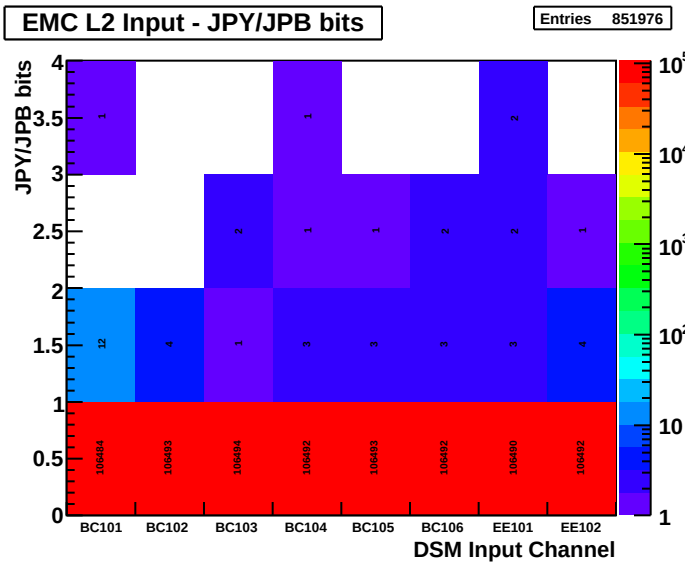

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

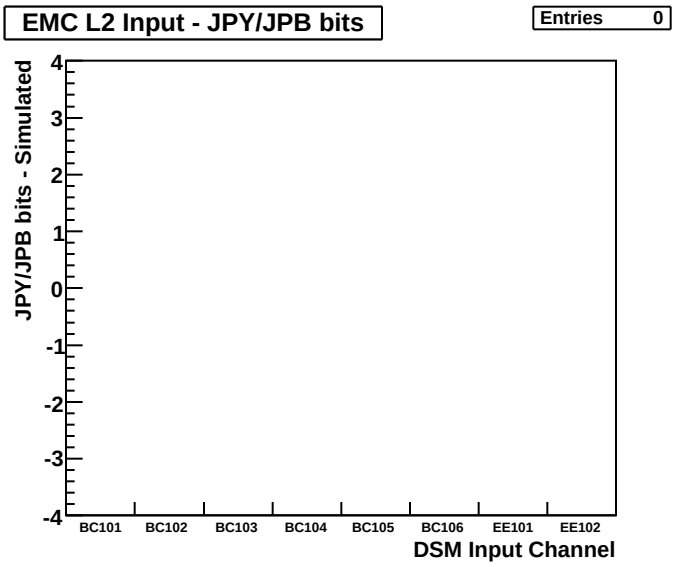

Endcap EMC L1 Input - High Tower Bits
Entries 1277964
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

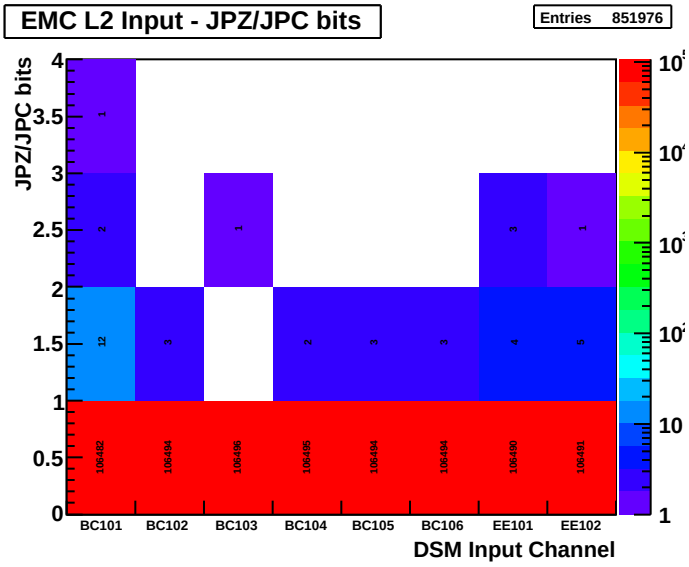

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

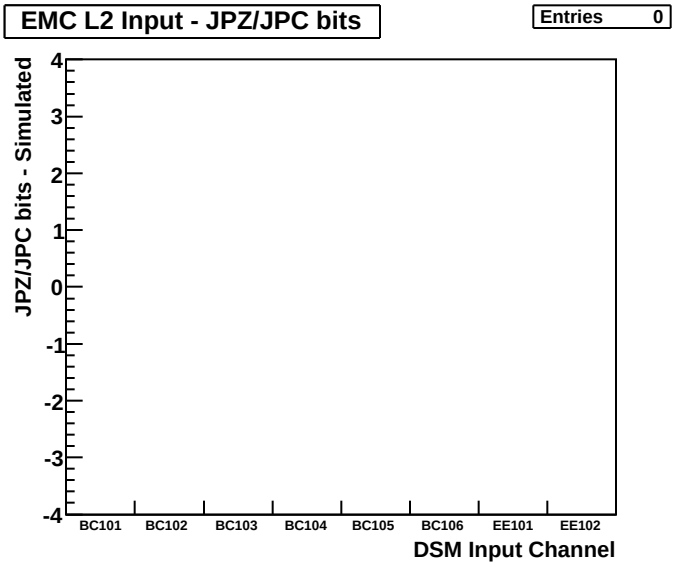

EMC L2 Input - JPX/JPA bits
Entries 851976
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

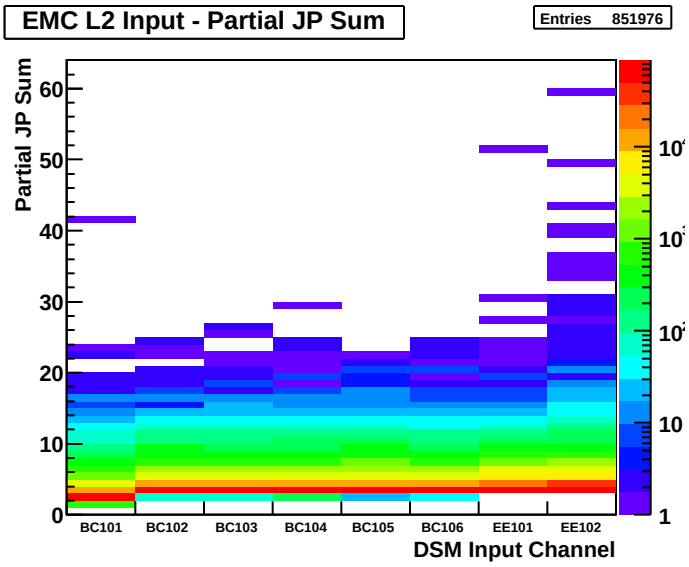

EMC L2 Input - JPX/JPA bits
Entries 281
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

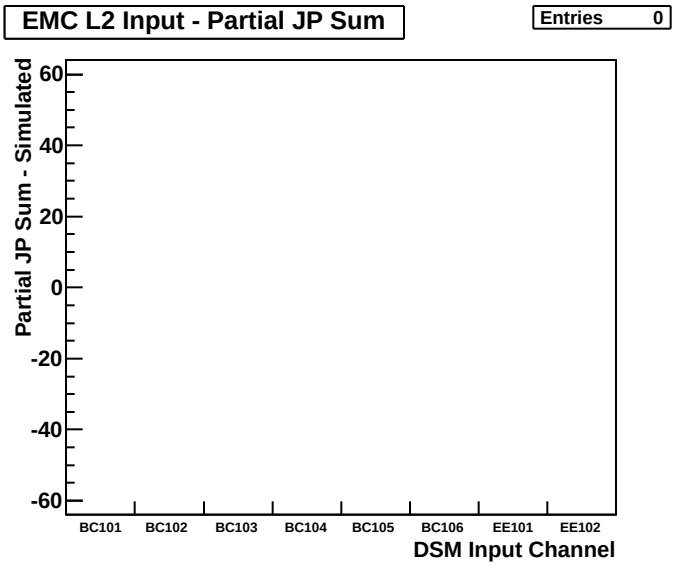

EMC L2 Input - JPY/JPB bits
Entries 851976
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

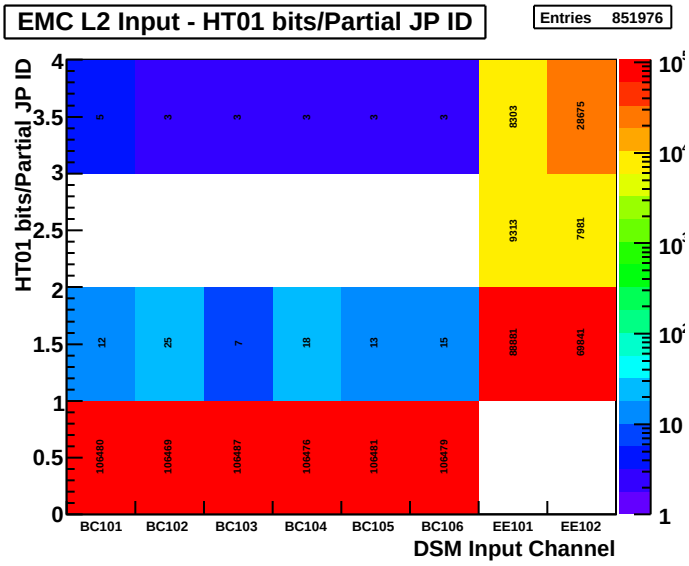

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

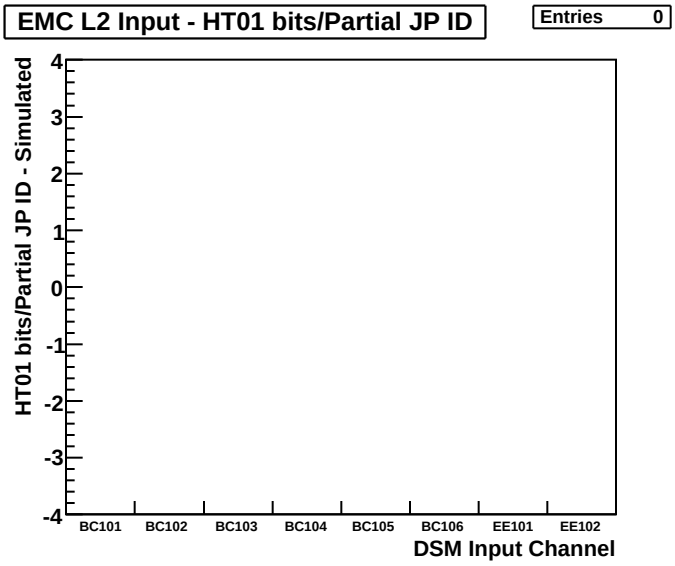

EMC L2 Input - JPZ/JPC bits
Entries 851976
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

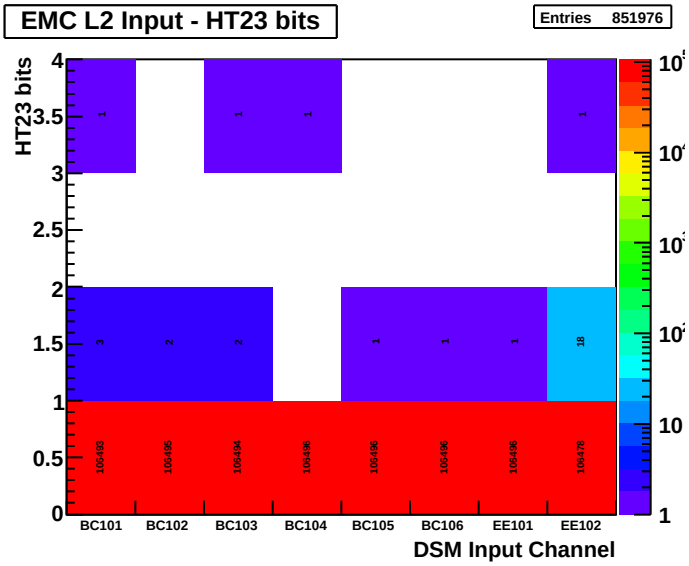

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

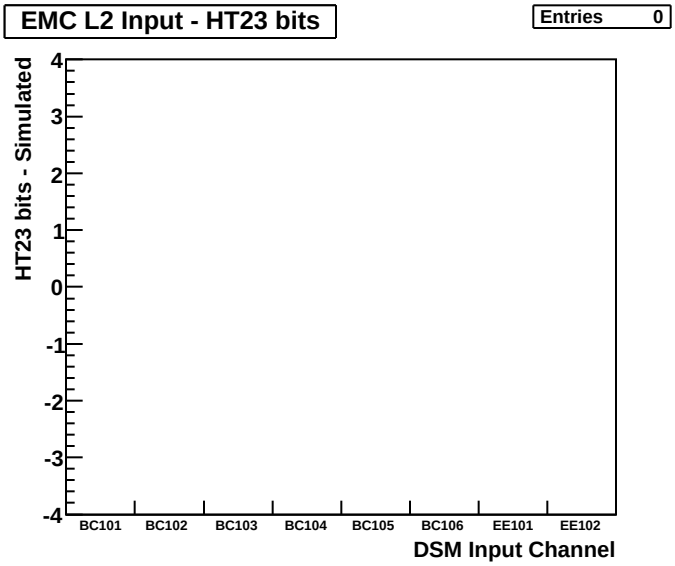

EMC L2 Input - Partial JP Sum
Entries 851976
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

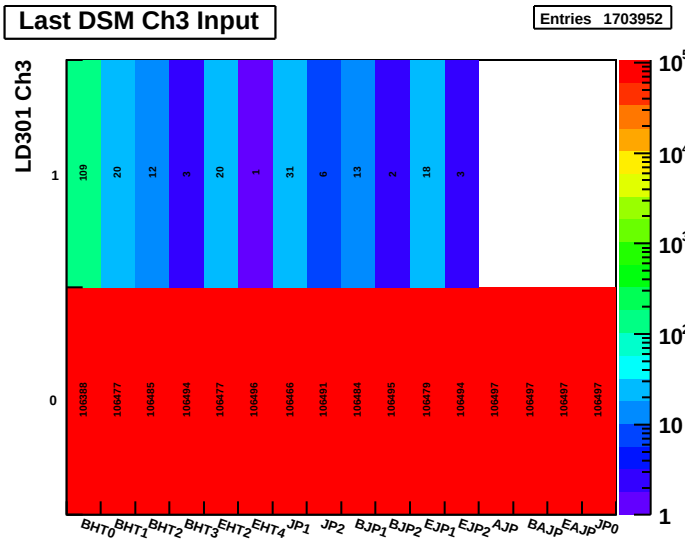

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

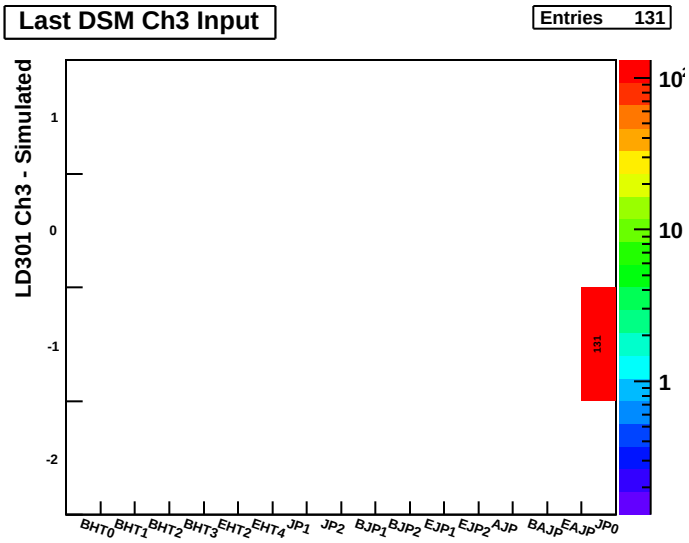

EMC L2 Input - HT01 bits/Partial JP ID
Entries 851976
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

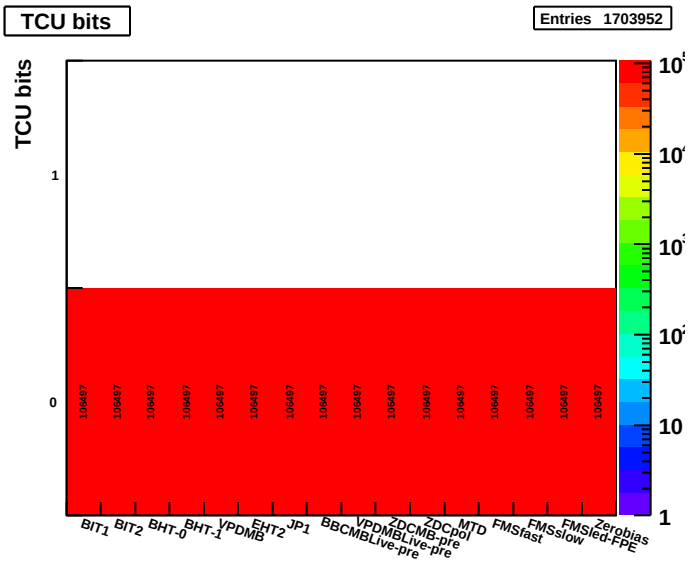

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

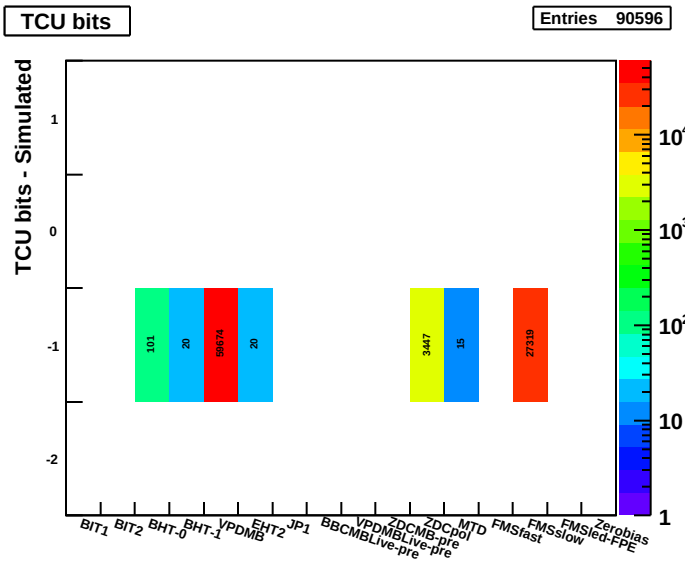

EMC L2 Input - HT23 bits
Entries 851976
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

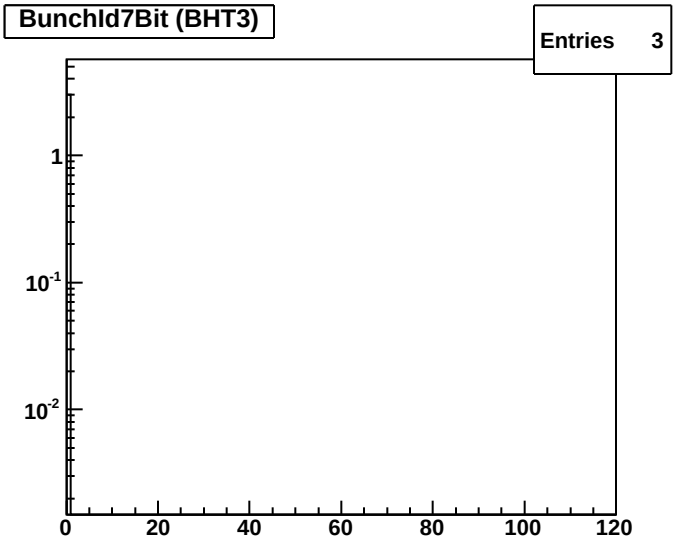

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

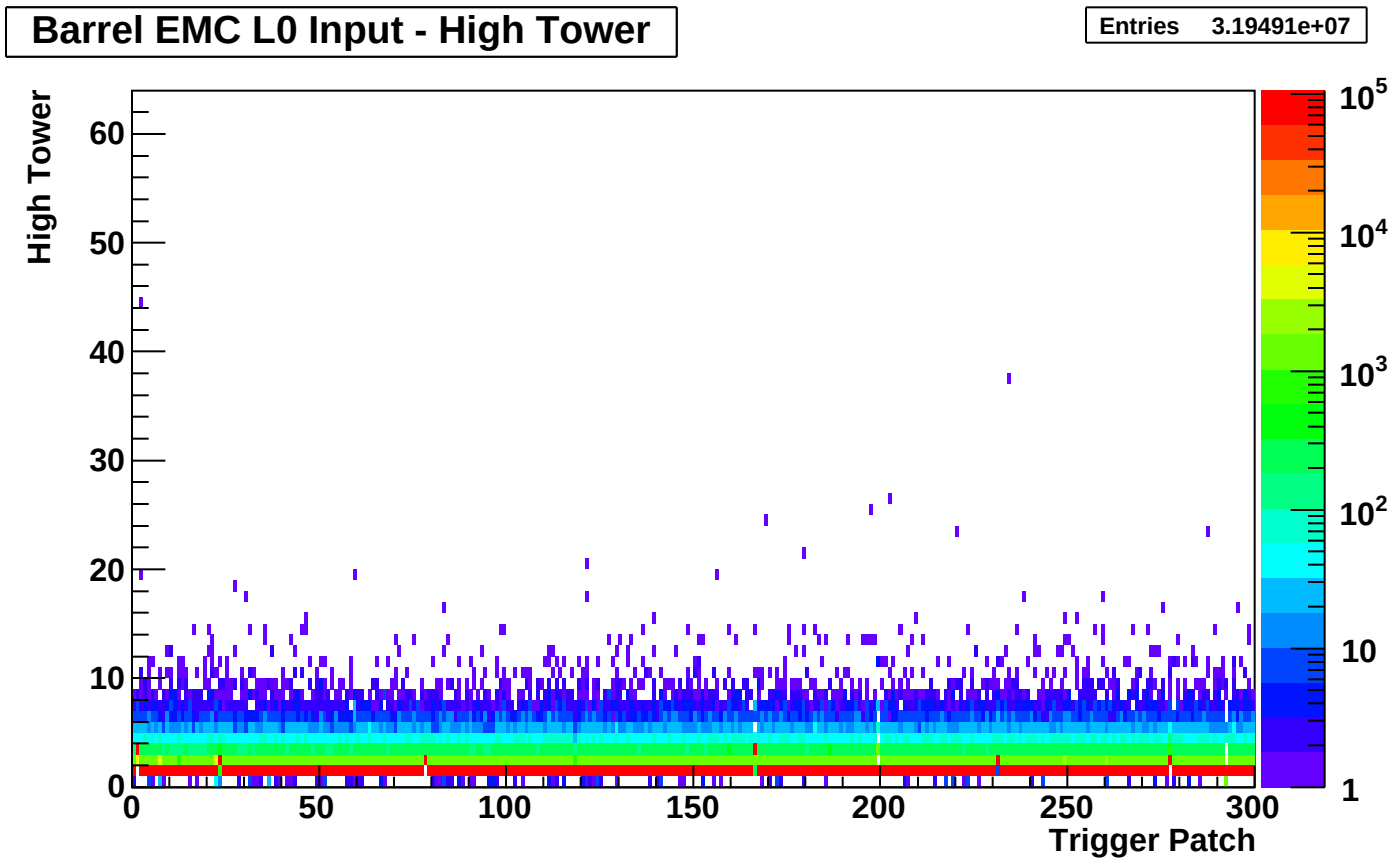

Last DSM Ch3 Input
Entries 1703952
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

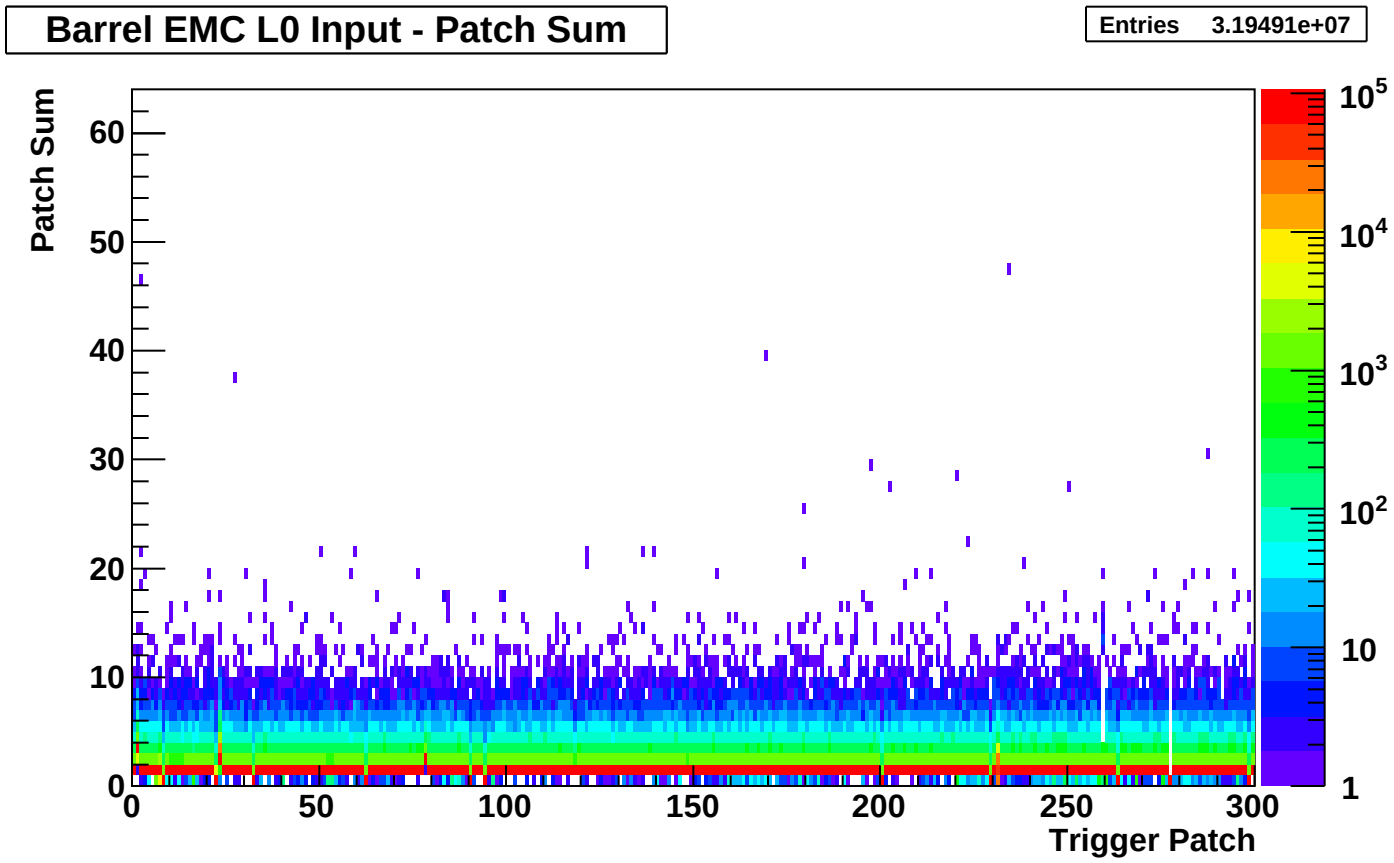

Last DSM Ch3 Input
Entries 131
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

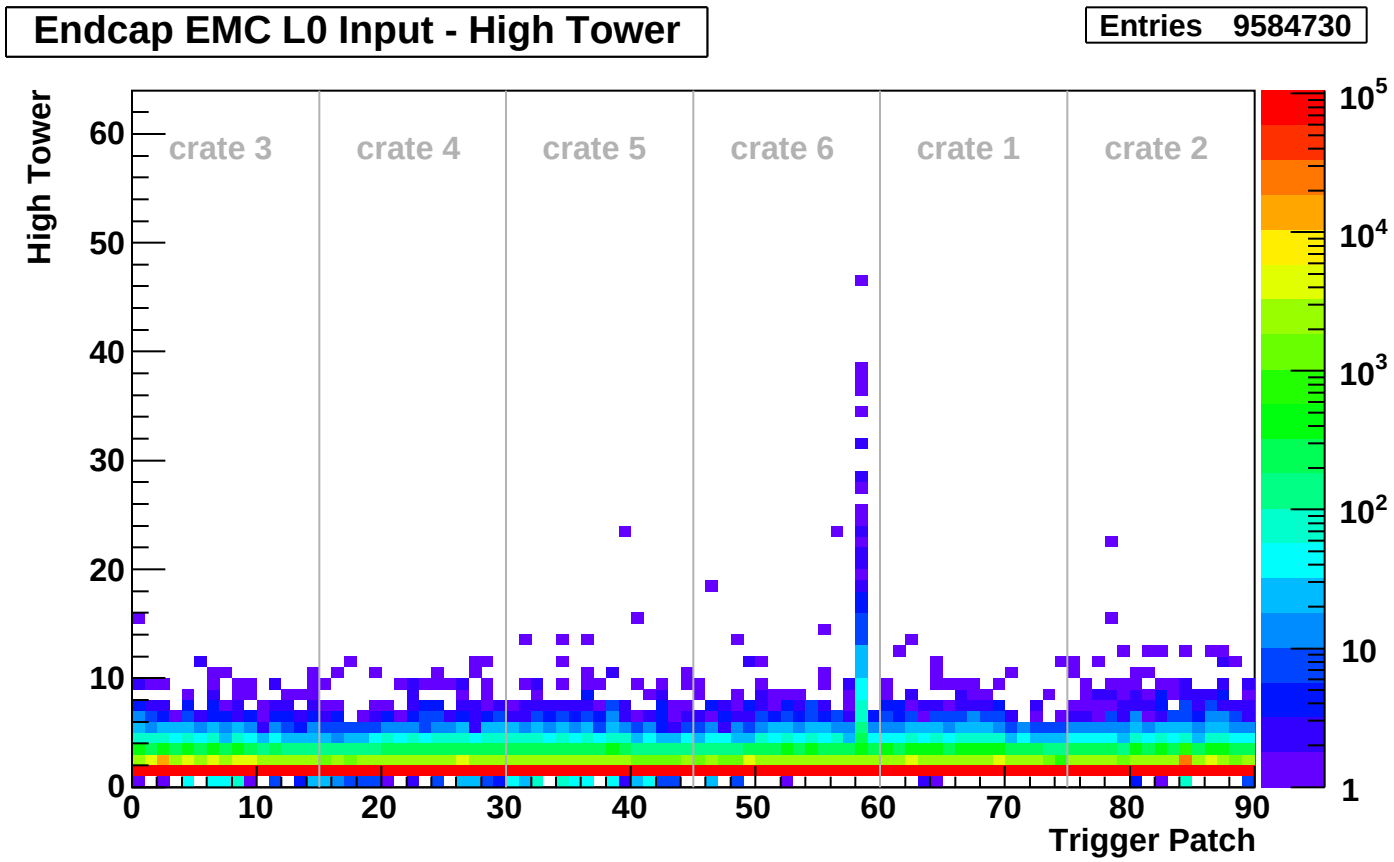

TCU bits
Entries 1703952
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

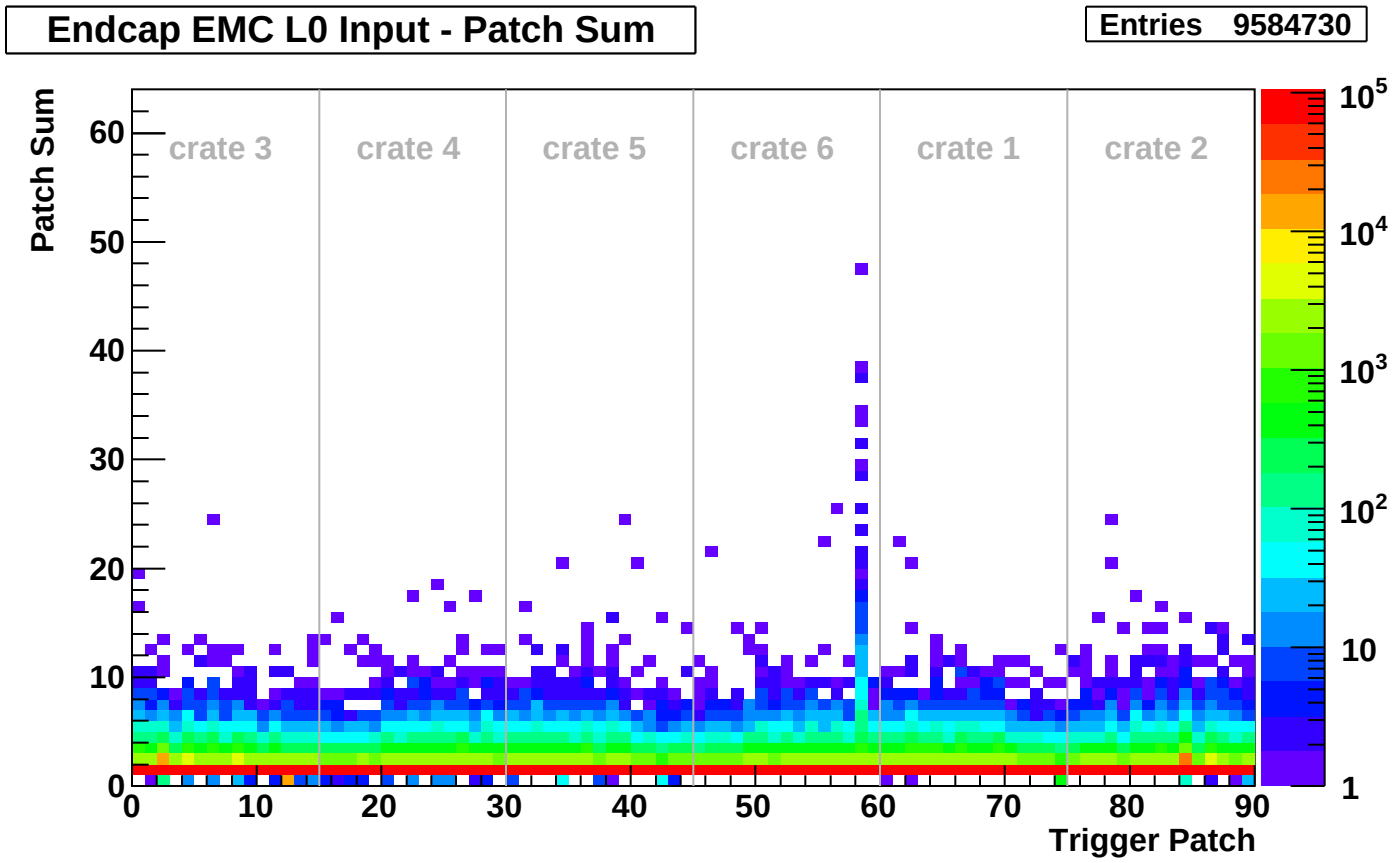

TCU bits
Entries 90596
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

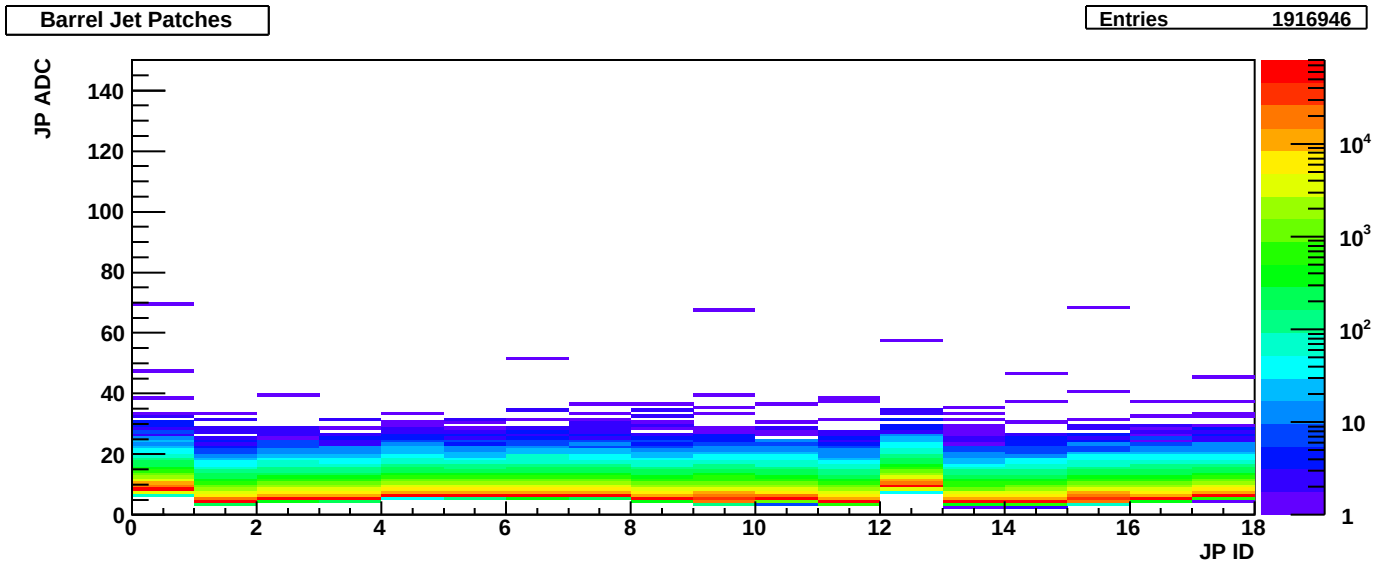

BunchId7Bit (BHT3)
Entries 3

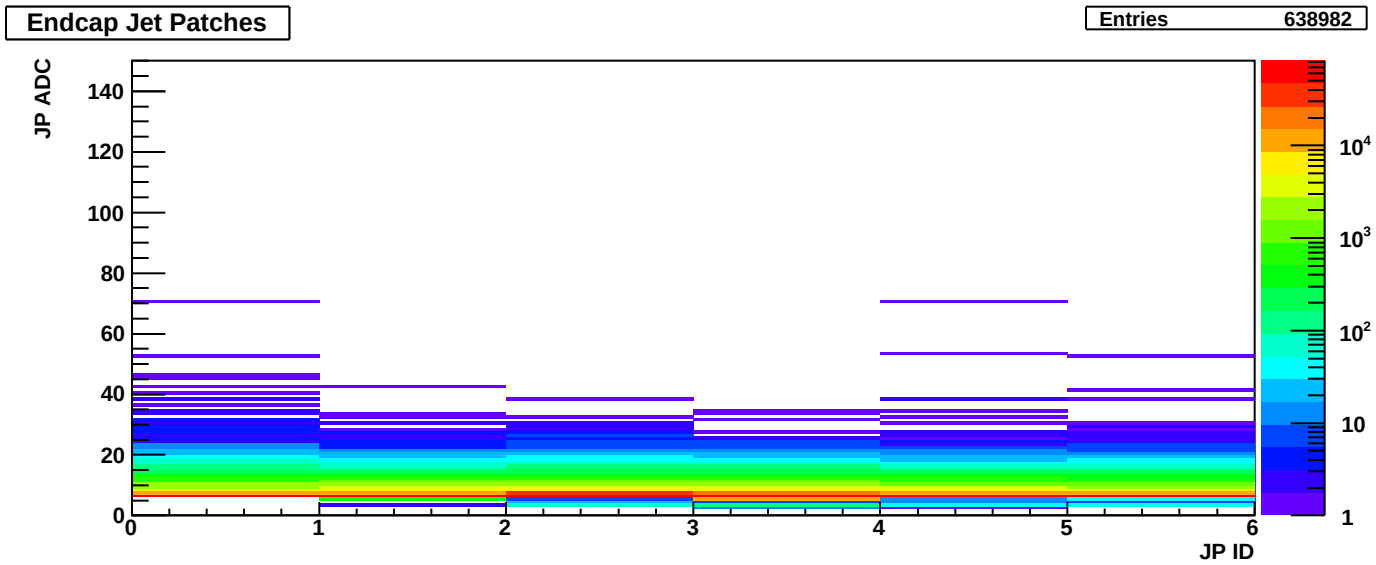

Barrel EMC L0 Input - High Tower
Entries 3.19491e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

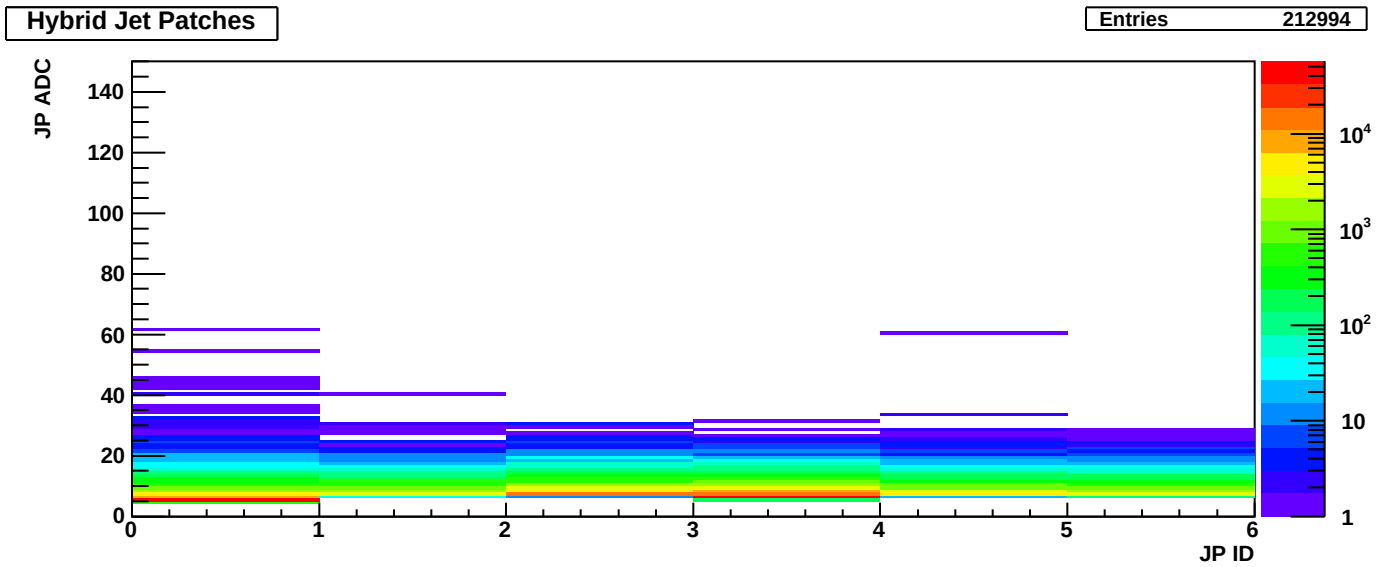

Barrel EMC L0 Input - Patch Sum
Entries 3.19491e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

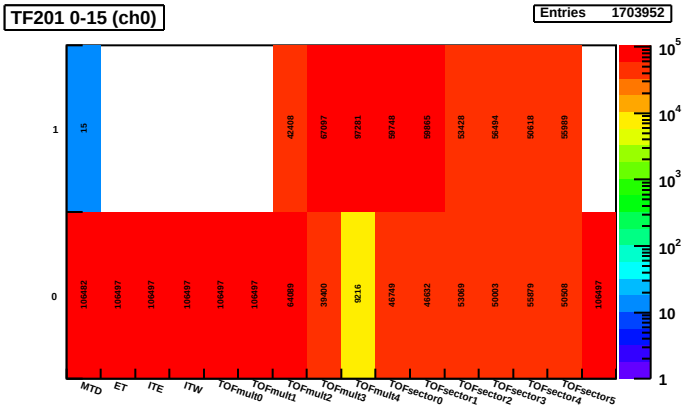

Endcap EMC L0 Input - High Tower
Entries 9584730
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

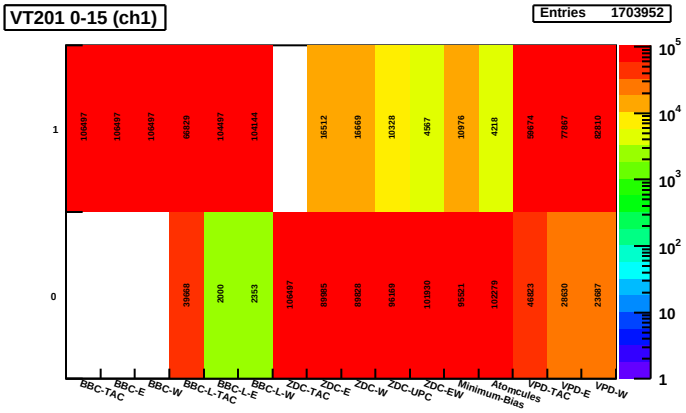

Endcap EMC L0 Input - Patch Sum
Entries 9584730
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

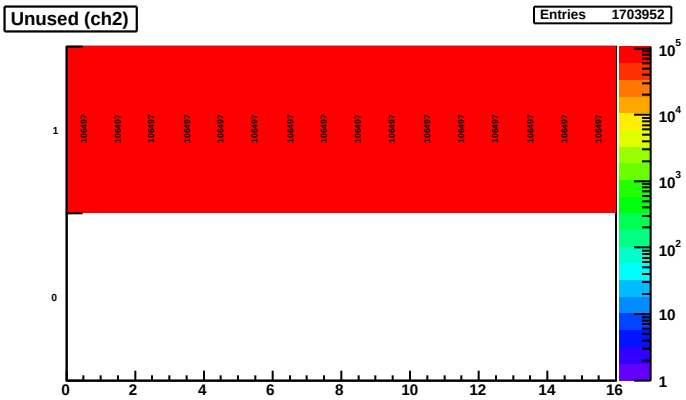

Barrel Jet Patches
Entries 1916946
JP ADC
JP ID

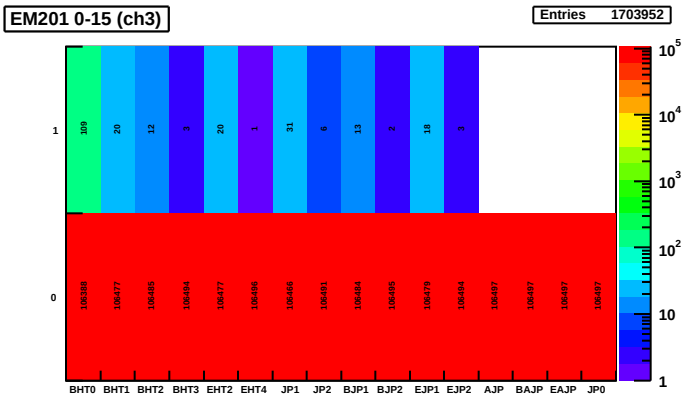

Endcap Jet Patches
Entries 638982
JP ADC
JP ID

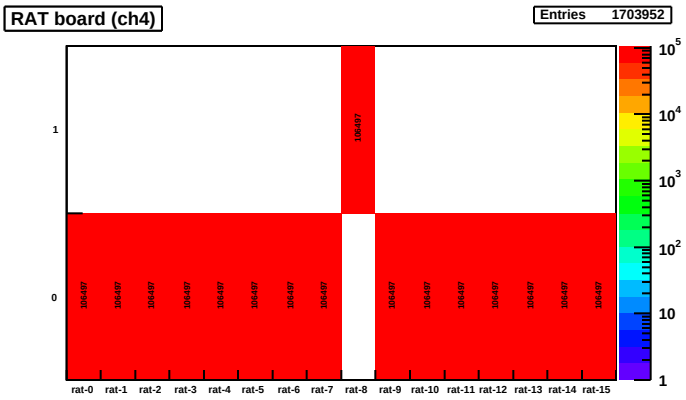

Hybrid Jet Patches
Entries 212994
JP ADC
JP ID

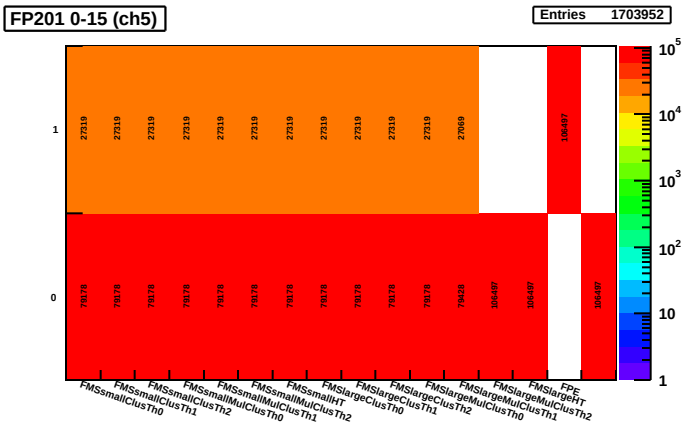

TF201 0-15 (ch0)
Entries 1703952
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

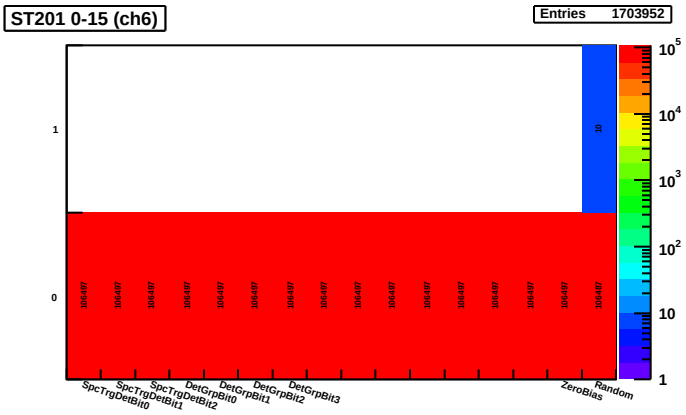

VT201 0-15 (ch1)
Entries 1703952
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

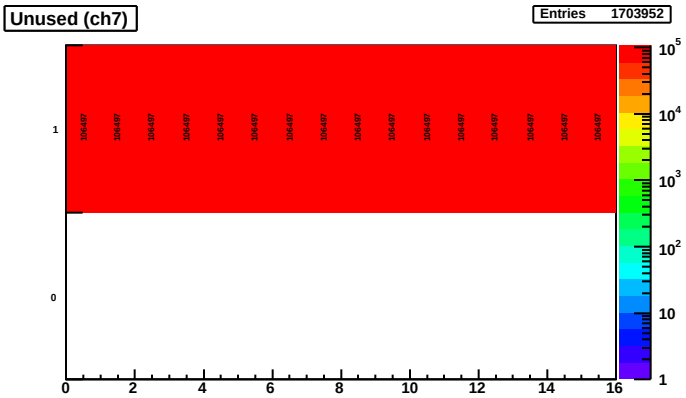

Unused (ch2)
Entries 1703952

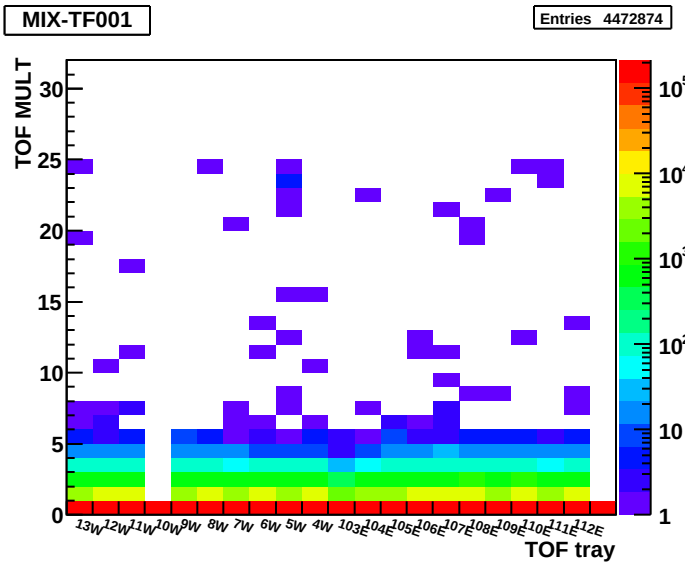

EM201 0-15 (ch3)
Entries 1703952
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP
JP0

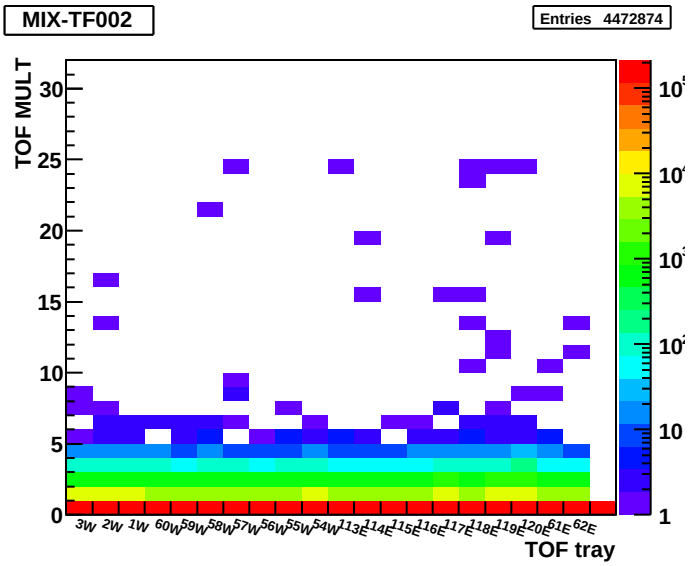

RAT board (ch4)
Entries 1703952
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

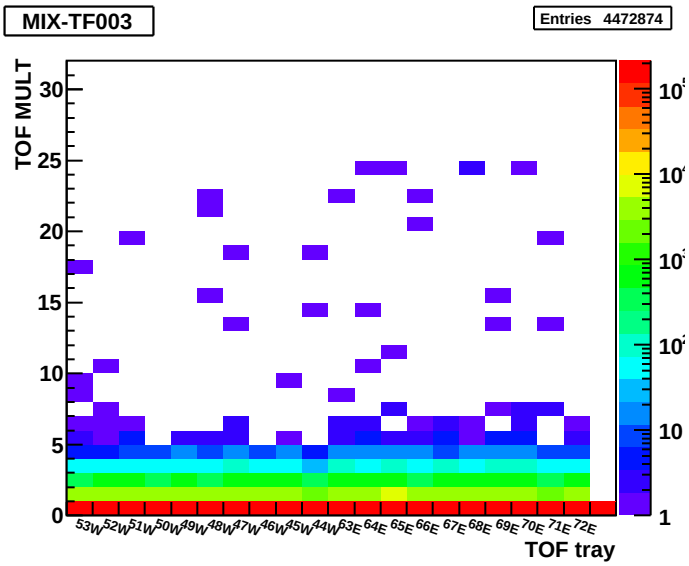

FP201 0-15 (ch5)
Entries 1703952
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

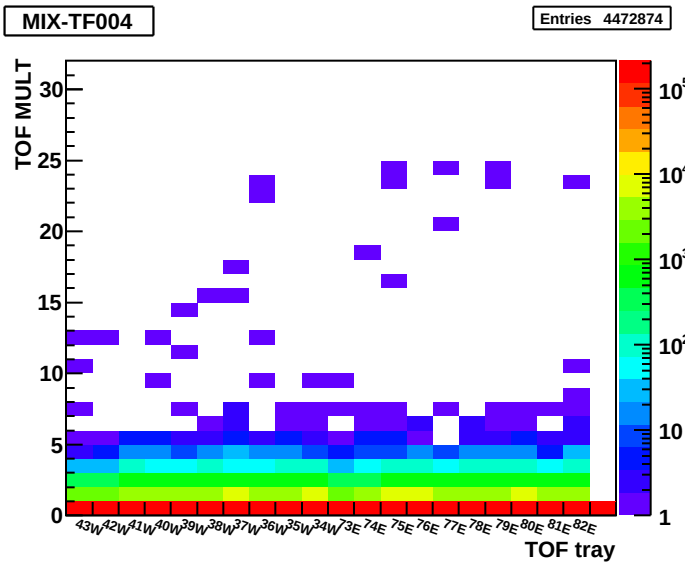

ST201 0-15 (ch6)
Entries 1703952
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

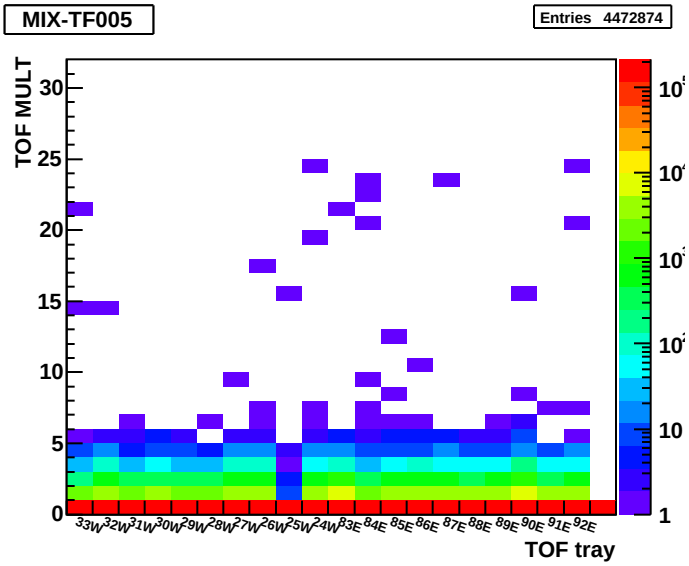

Unused (ch7)
Entries 1703952

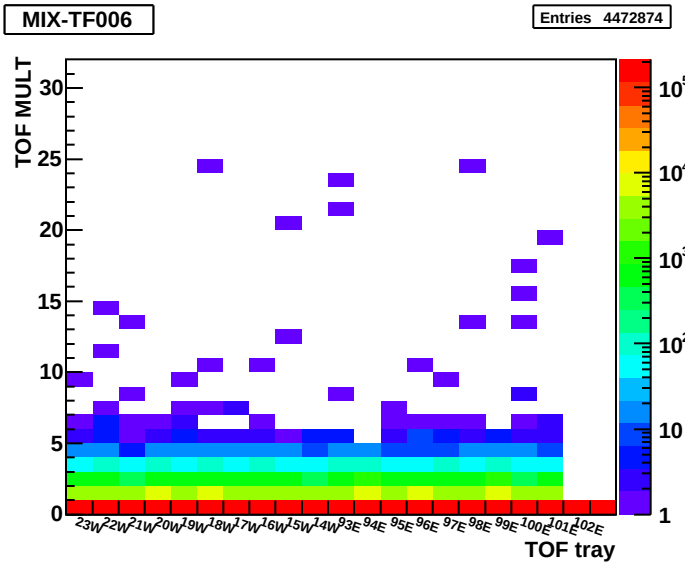

MIX-TF001
Entries 4472874
TOF MULT
TOF tray

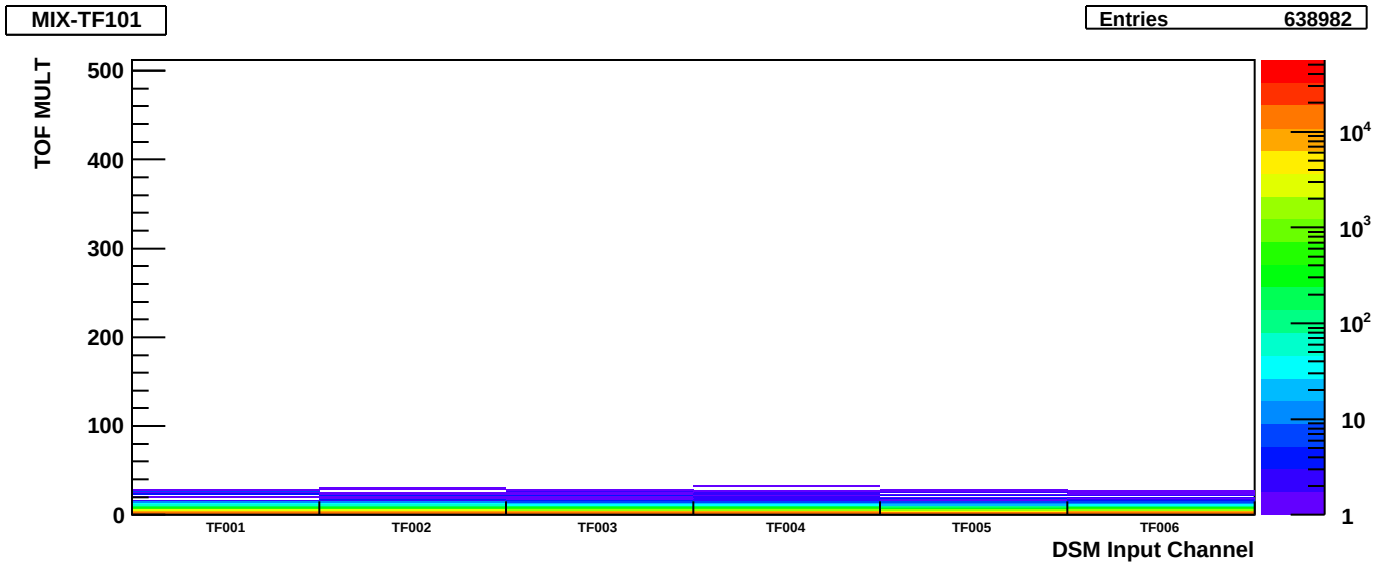

MIX-TF002
Entries 4472874
TOF MULT
TOF tray

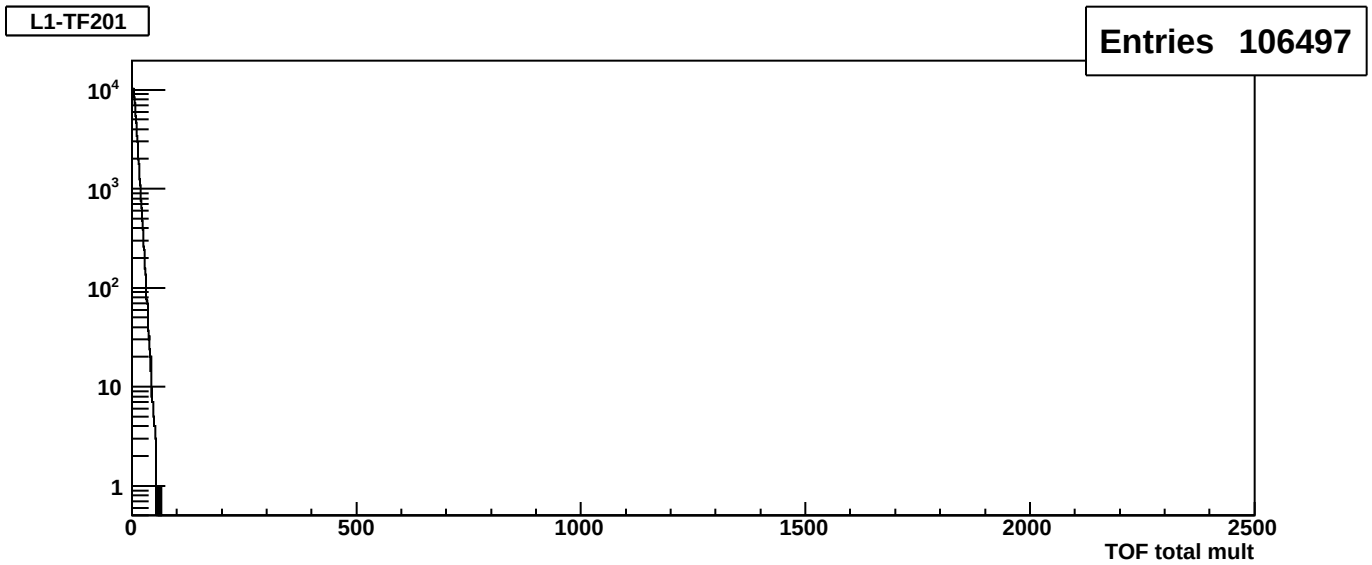

MIX-TF003
Entries 4472874
TOF MULT
TOF tray

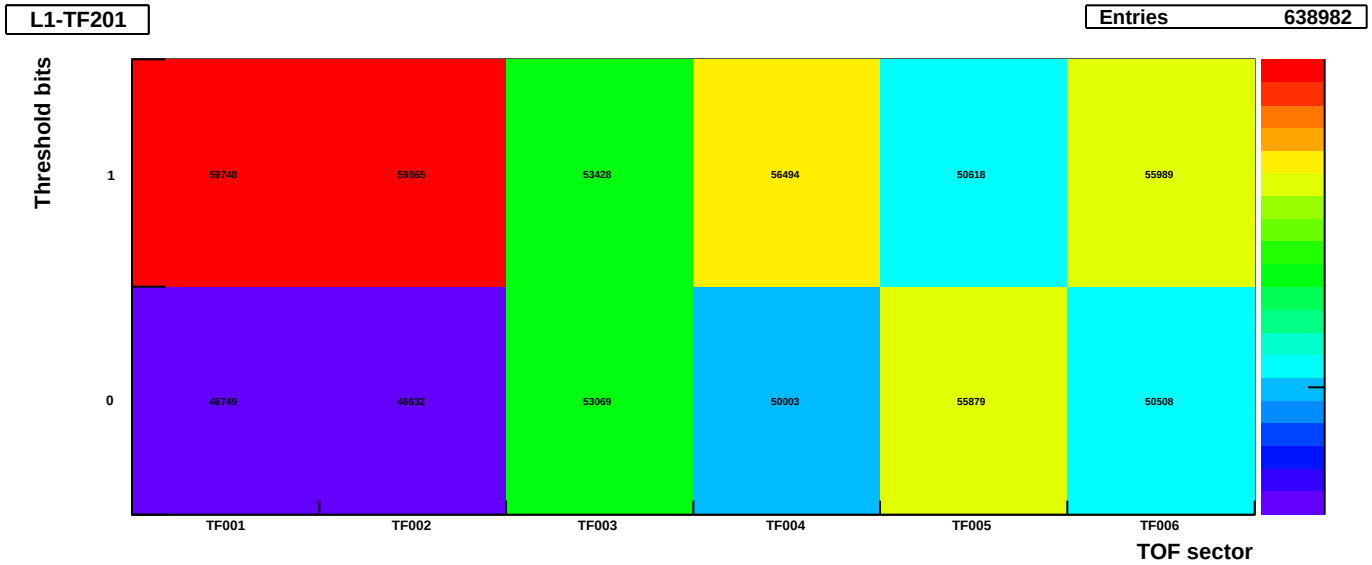

MIX-TF004
Entries 4472874
TOF MULT
TOF tray

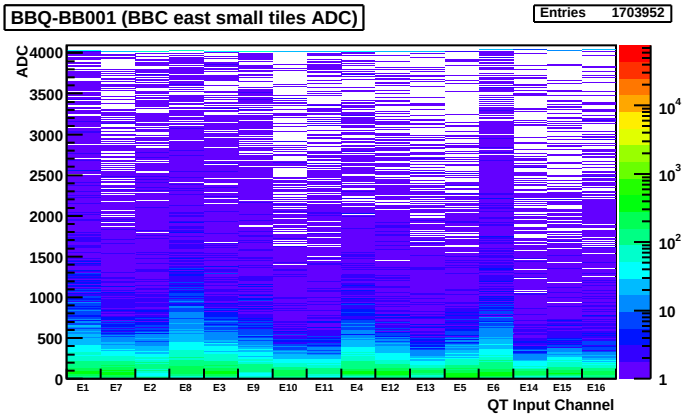

MIX-TF005
Entries 4472874
TOF MULT
TOF tray

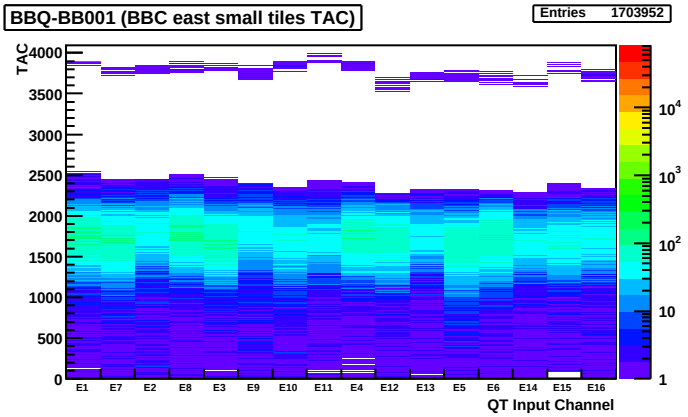

MIX-TF006
Entries 4472874
TOF MULT
TOF tray

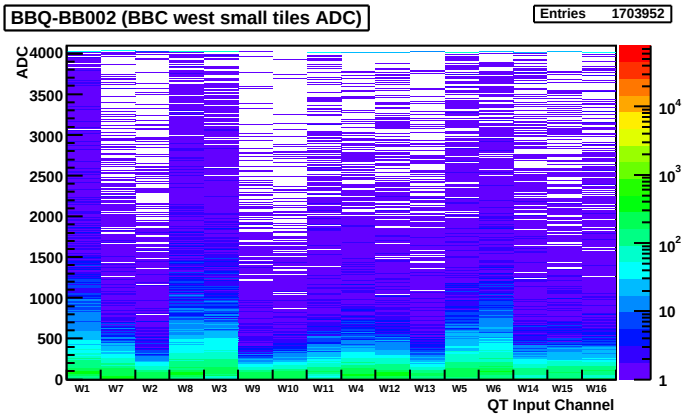

MIX-TF101
Entries 638982
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

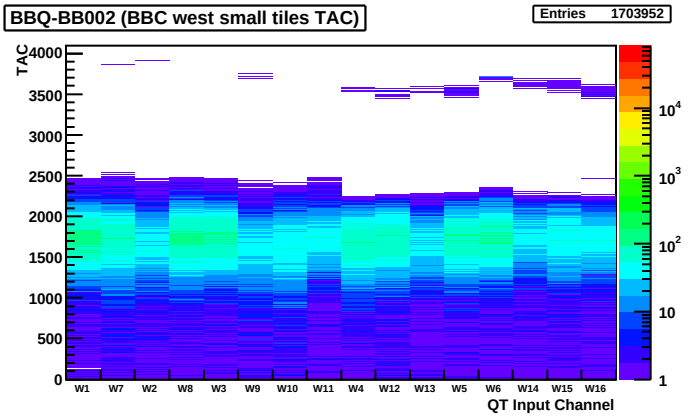

L1-TF201
Entries 106497
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

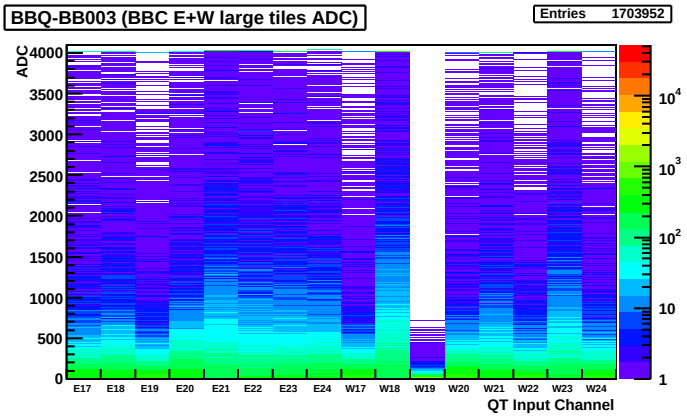

L1-TF201
Entries 638982
Threshold bits
1
0
59748
59865
53428
56494
50618
55989
46749
46632
53069
50003
55879
50508
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

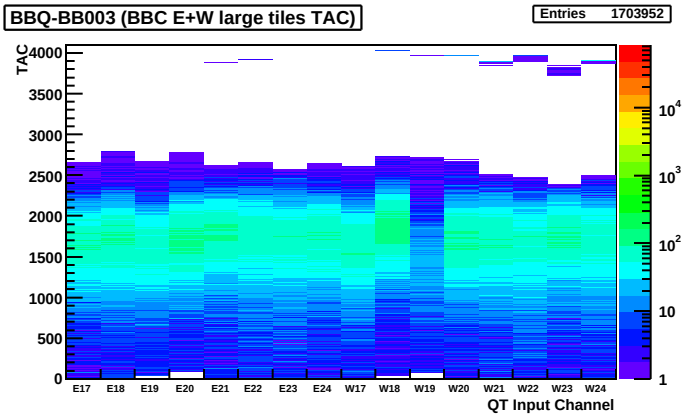

BBQ-BB001 (BBC east small tiles ADC)
Entries 1703952
ADC
QT Input Channel

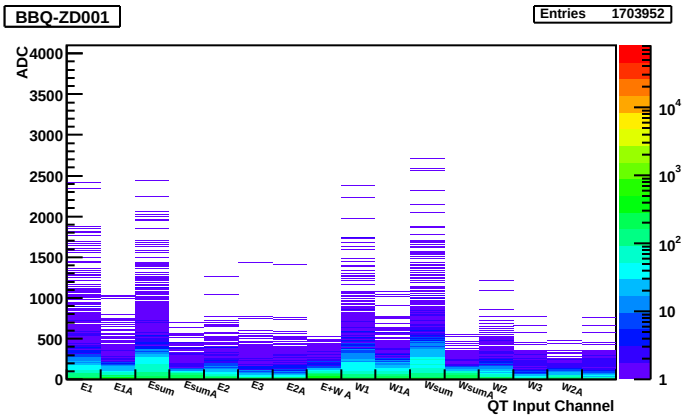

BBQ-BB001 (BBC east small tiles TAC)
Entries 1703952
TAC
QT Input Channel

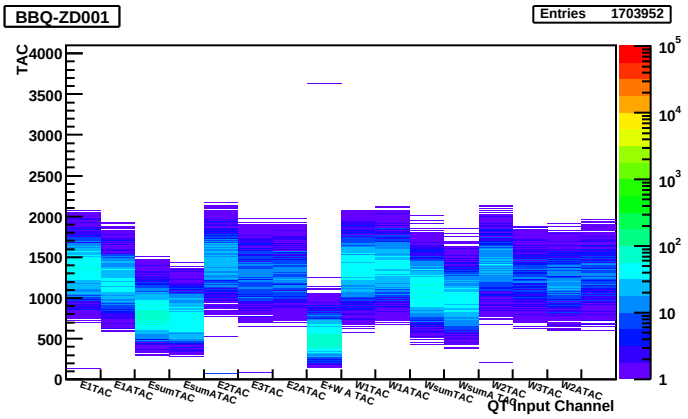

BBQ-BB002 (BBC west small tiles ADC)
Entries 1703952
ADC
QT Input Channel

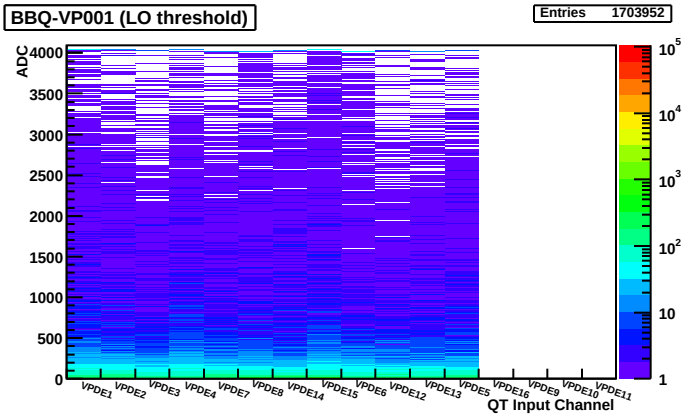

BBQ-BB002 (BBC west small tiles TAC)
Entries 1703952
TAC
QT Input Channel

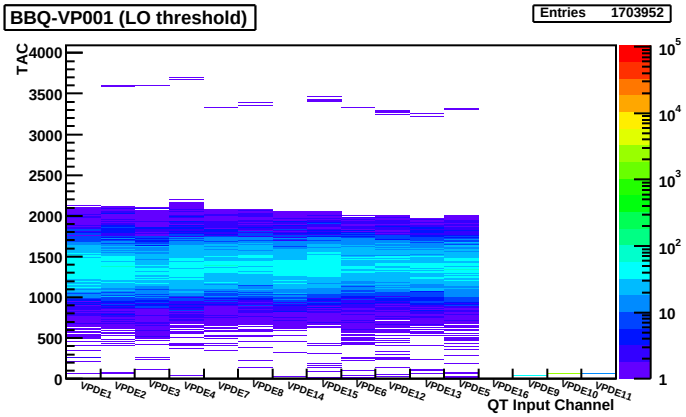

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1703952
ADC
QT Input Channel

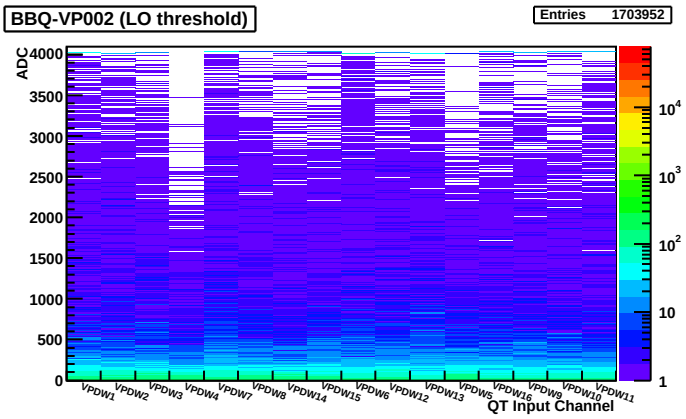

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1703952
TAC
QT Input Channel

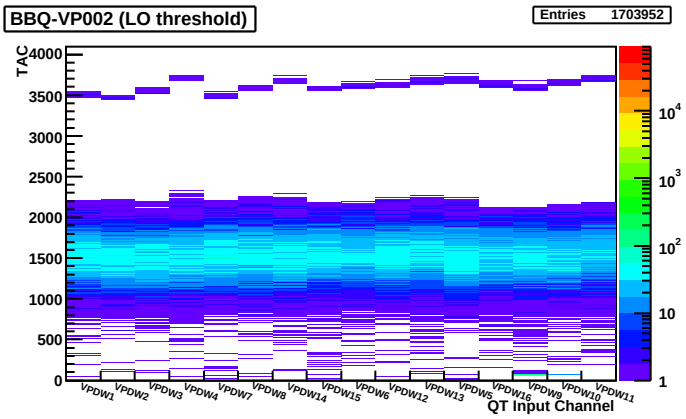

BBQ-ZD001
Entries 1703952
ADC
QT Input Channel

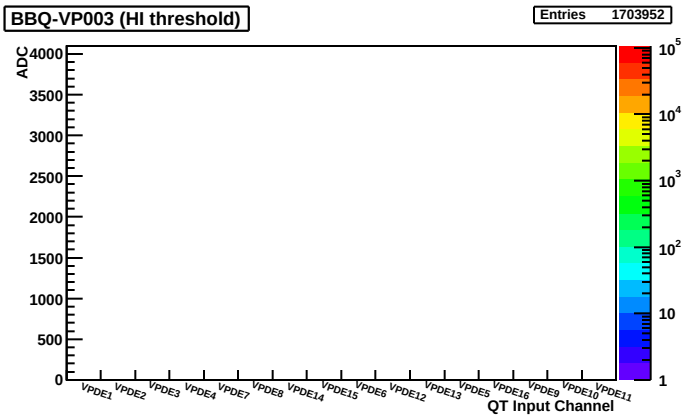

BBQ-ZD001
Entries 1703952
TAC
QT Input Channel

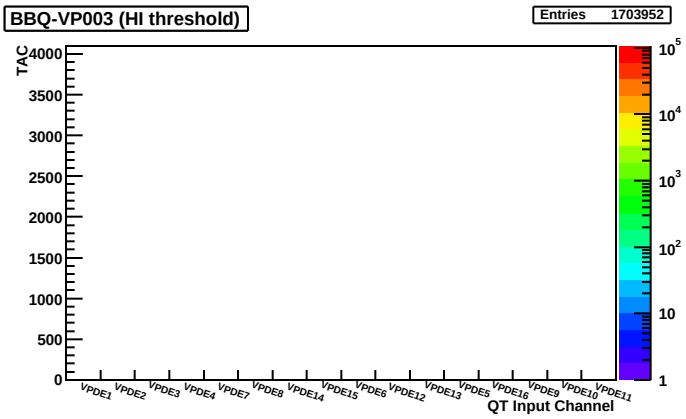

BBQ-VP001 (LO threshold)
Entries 1703952
ADC
QT Input Channel

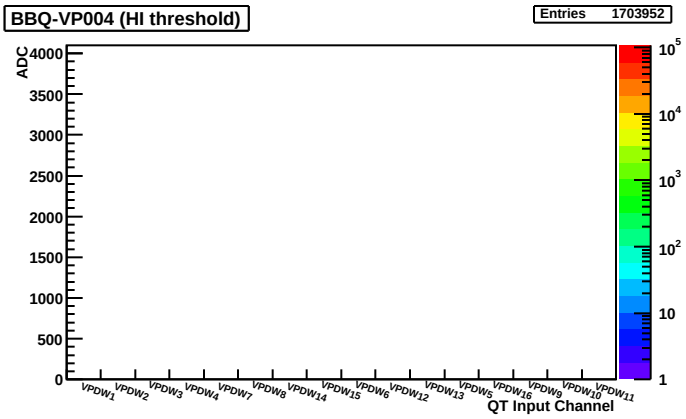

BBQ-VP001 (LO threshold)
Entries 1703952
TAC
QT Input Channel

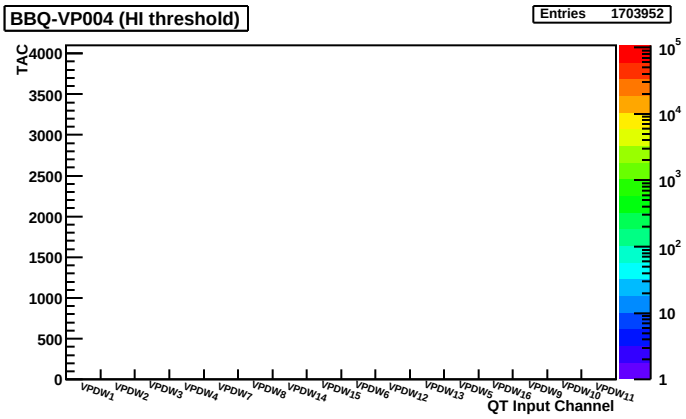

BBQ-VP002 (LO threshold)
Entries 1703952
ADC
QT Input Channel

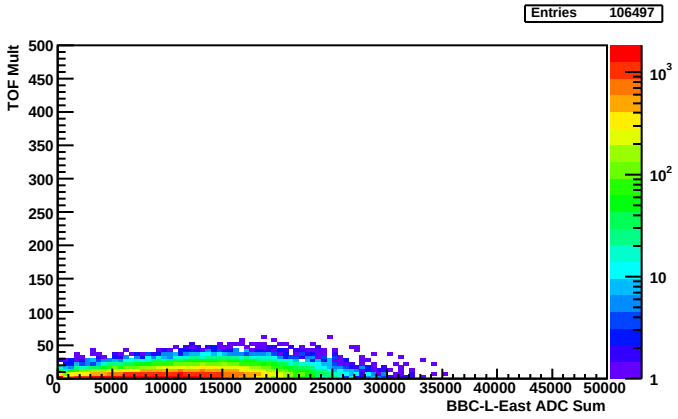

BBQ-VP002 (LO threshold)
Entries 1703952
TAC
QT Input Channel

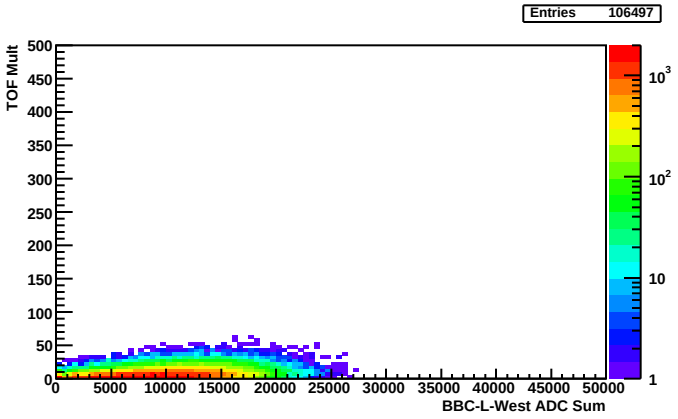

BBQ-VP003 (HI threshold)
Entries 1703952
ADC
QT Input Channel

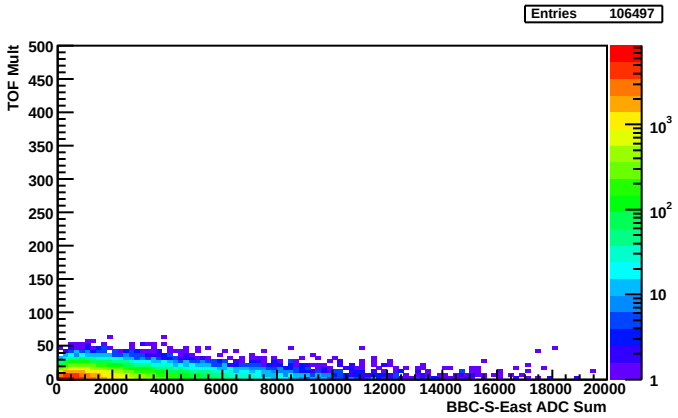

BBQ-VP003 (HI threshold)
Entries 1703952
TAC
QT Input Channel

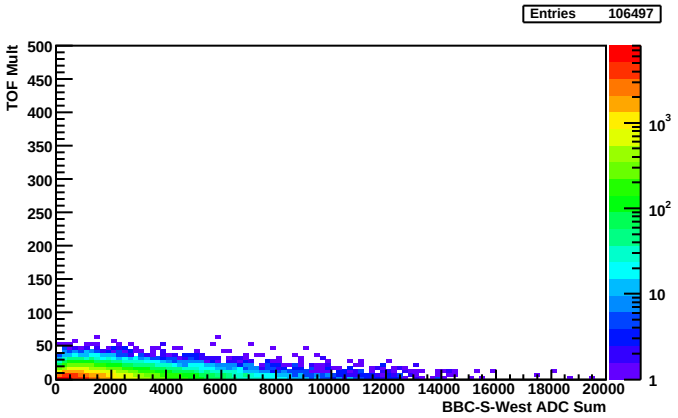

BBQ-VP004 (HI threshold)
Entries 1703952
ADC
QT Input Channel

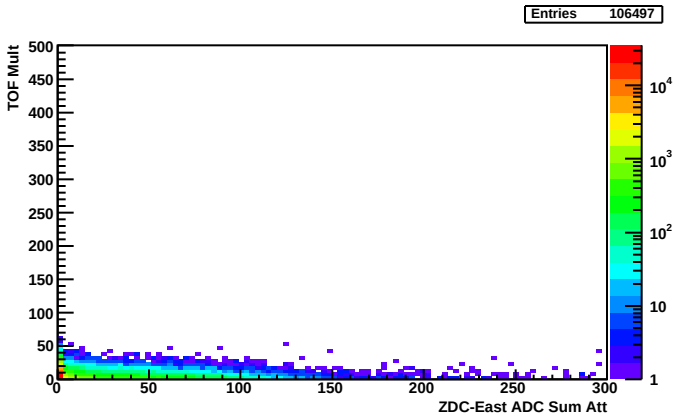

BBQ-VP004 (HI threshold)
Entries 1703952
TAC
QT Input Channel

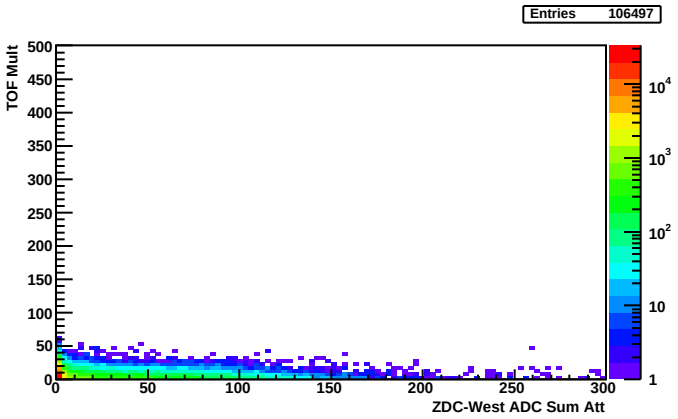

Entries 106497
TOF Mult
BBC-L-East ADC Sum

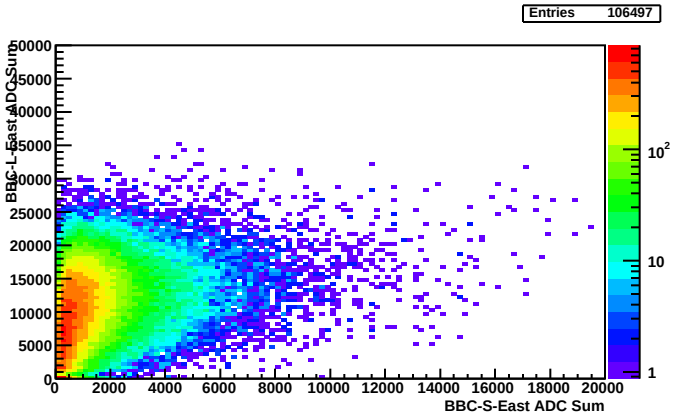

Entries 106497
TOF Mult
BBC-L-West ADC Sum

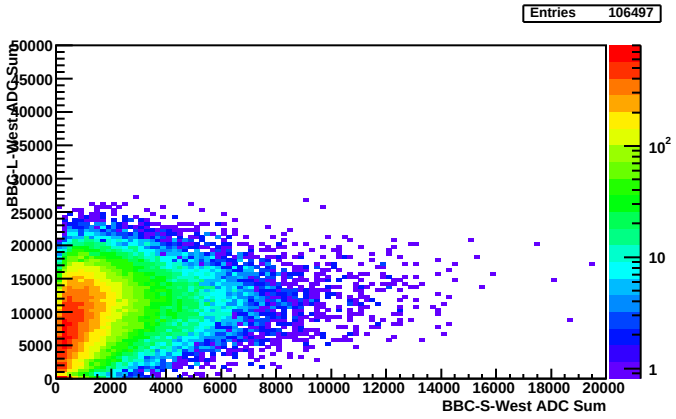

Entries 106497
TOF Mult
BBC-S-East ADC Sum

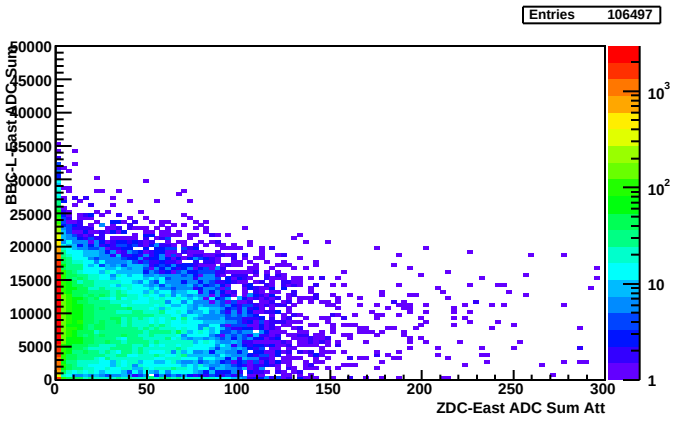

Entries 106497
TOF Mult
BBC-S-West ADC Sum

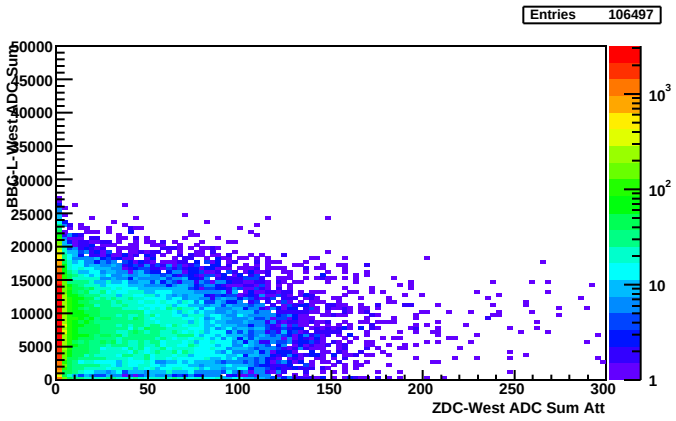

Entries 106497
TOF Mult
ZDC-East ADC Sum Att

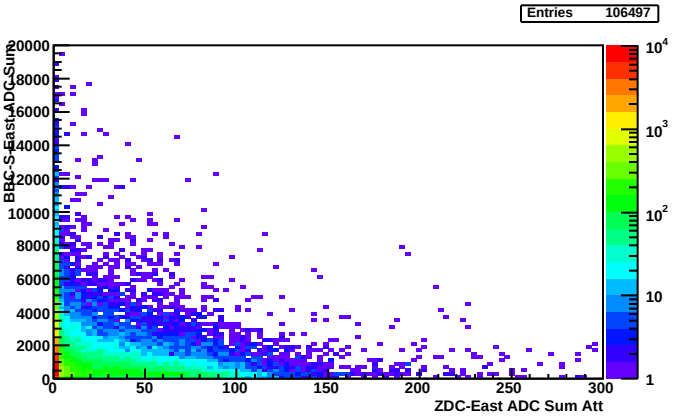

Entries 106497
TOF Mult
ZDC-West ADC Sum Att

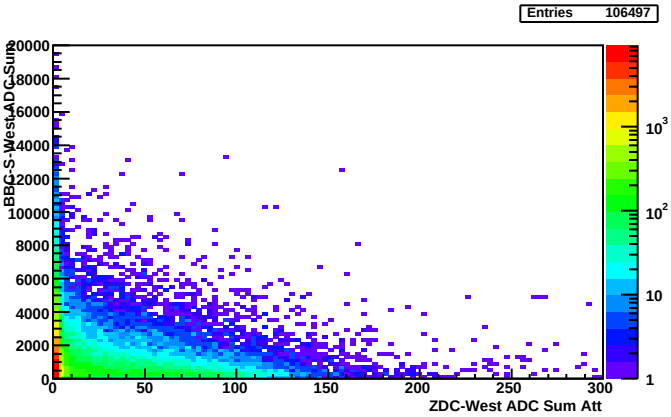

Entries 106497
BBC-L-East ADC Sum
BBC-S-East ADC Sum

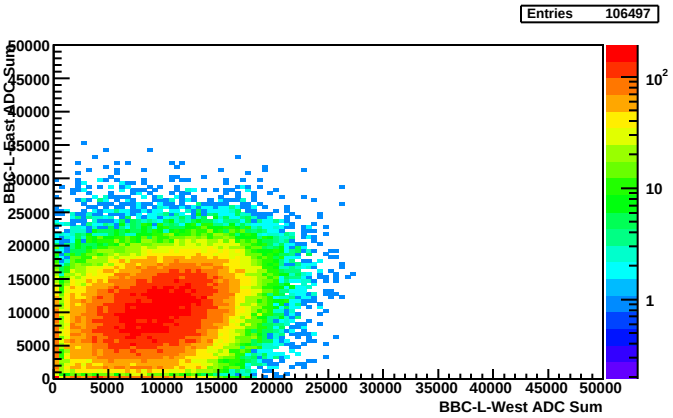

Entries 106497
BBC-L-West ADC Sum
BBC-S-West ADC Sum

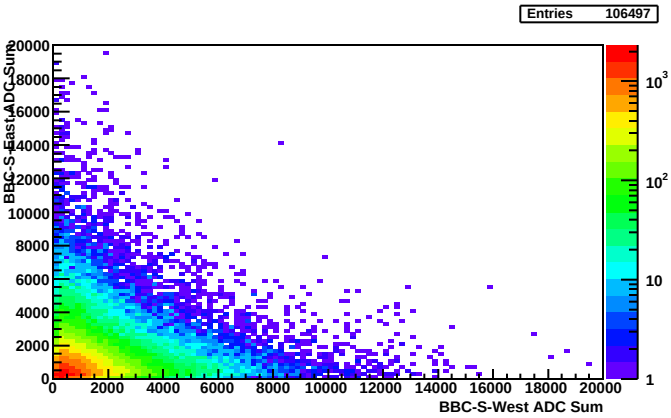

Entries 106497
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

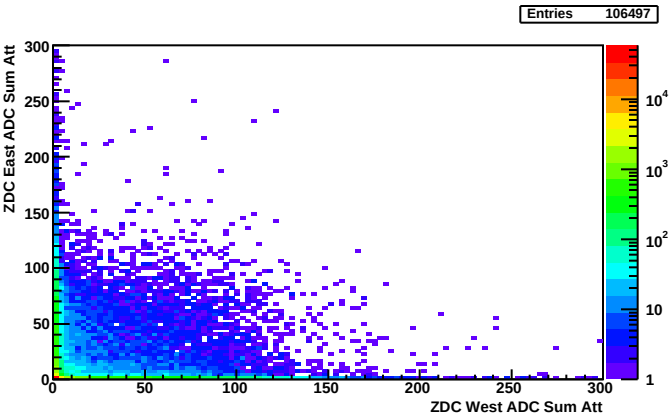

Entries 106497
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

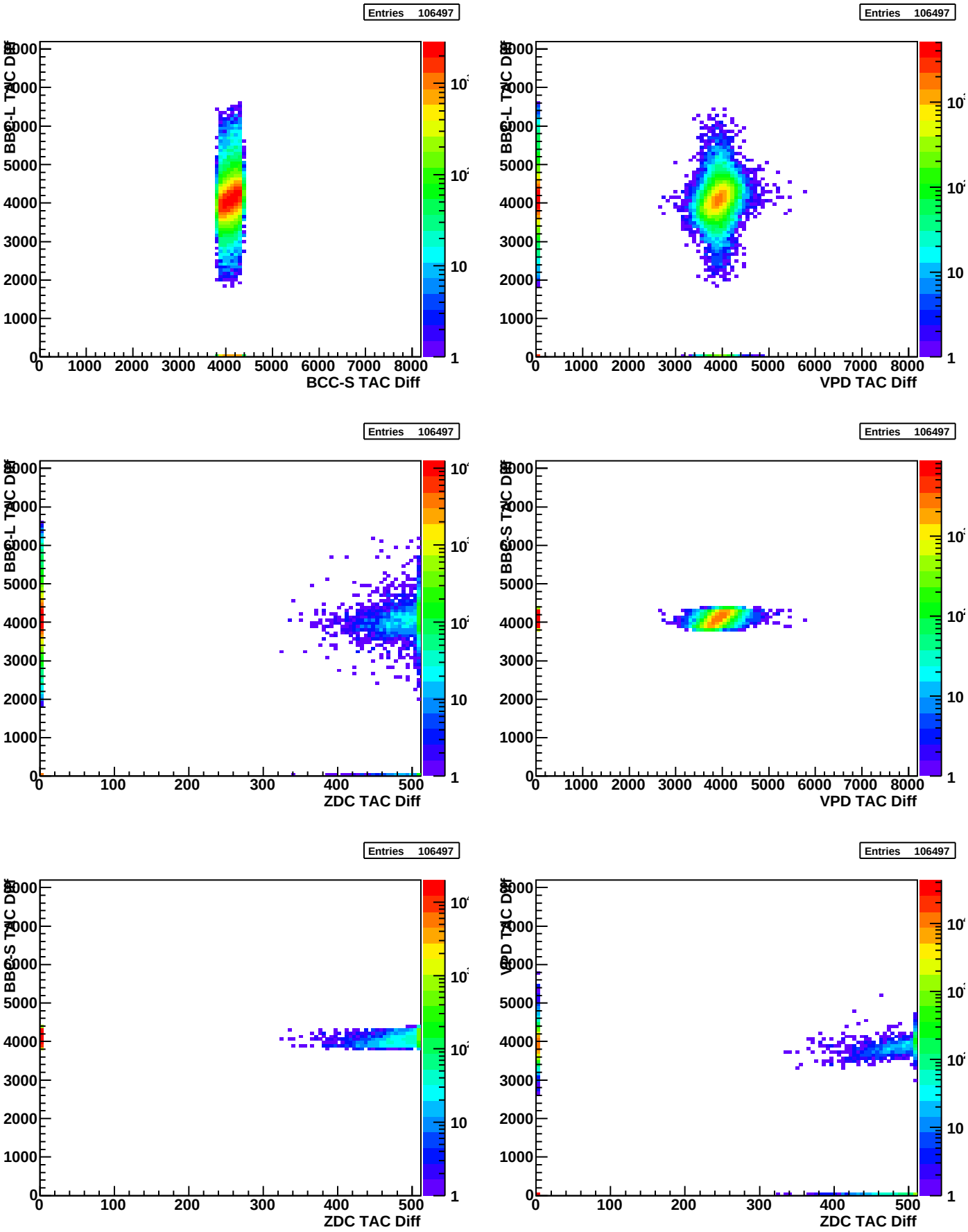

Entries 106497
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

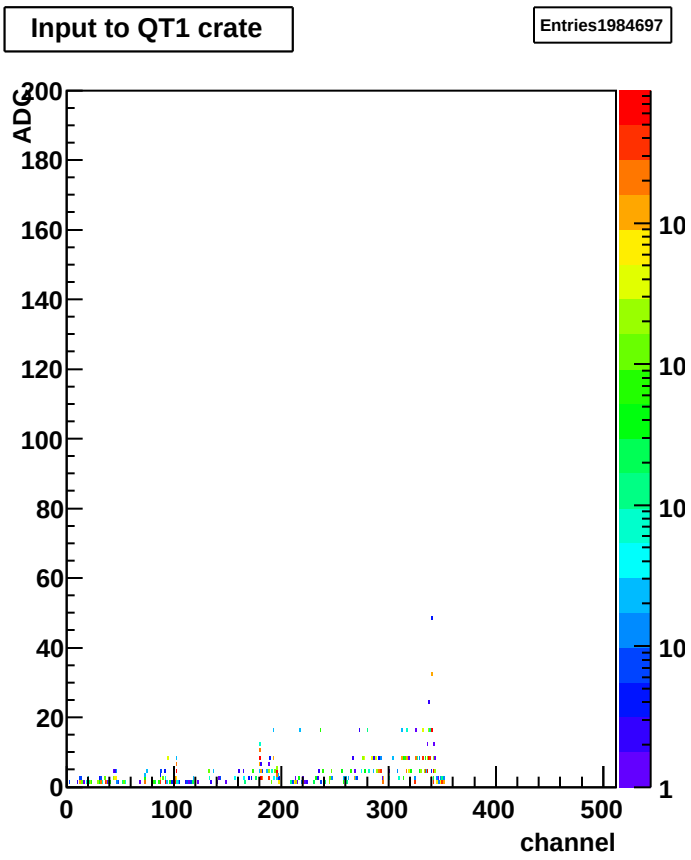

Entries 106497
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

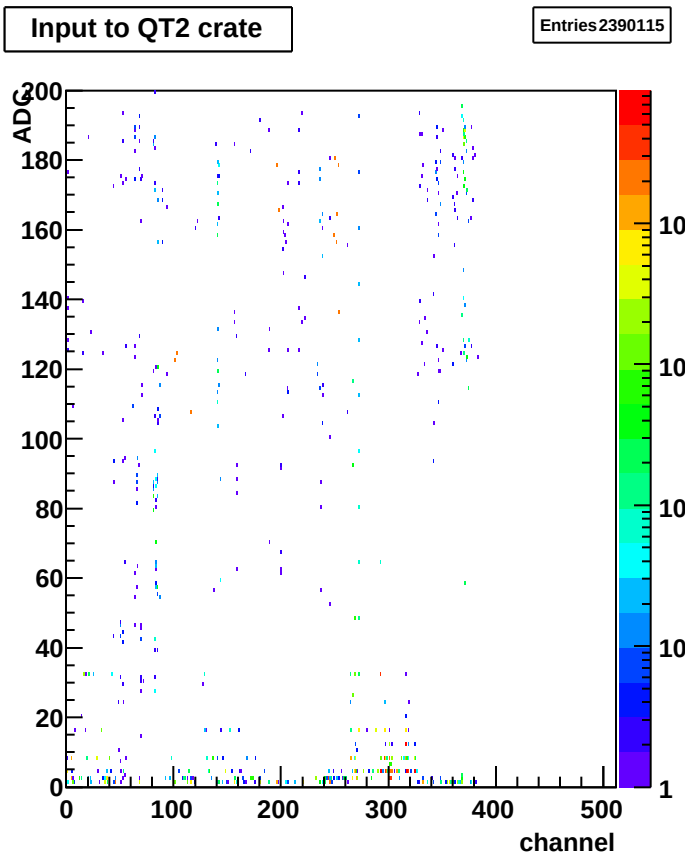

Entries 106497
BBC-L-East ADC Sum
BBC-L-West ADC Sum

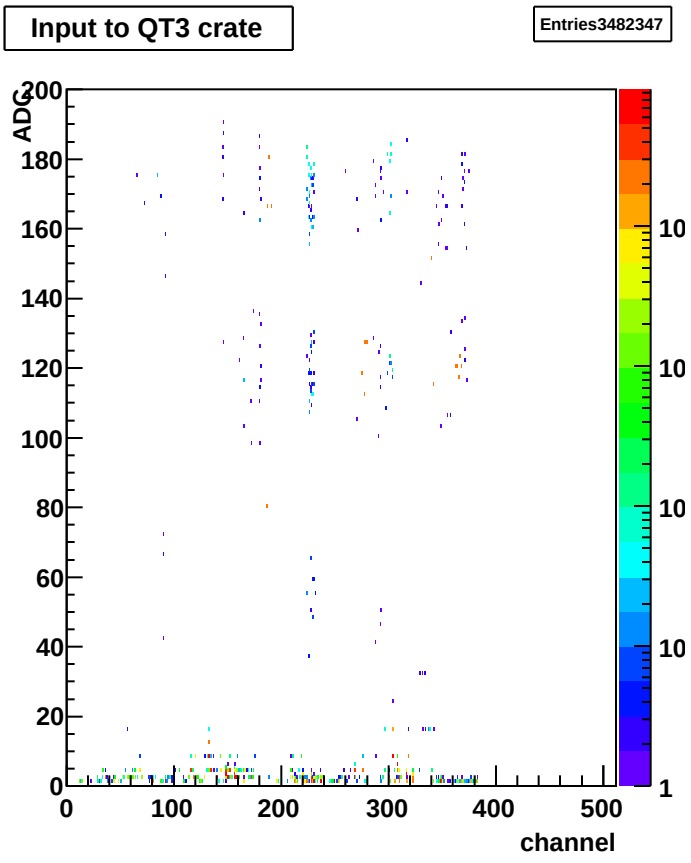

Entries 106497
BBC-S-East ADC Sum
BBC-S-West ADC Sum

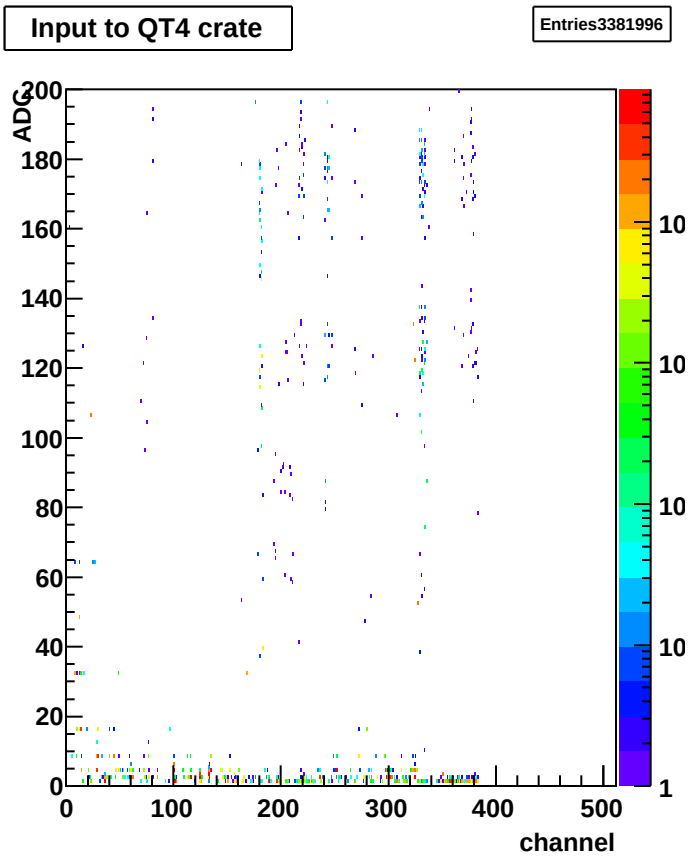

Entries 106497
ZDC East ADC Sum Att
ZDC West ADC Sum Att

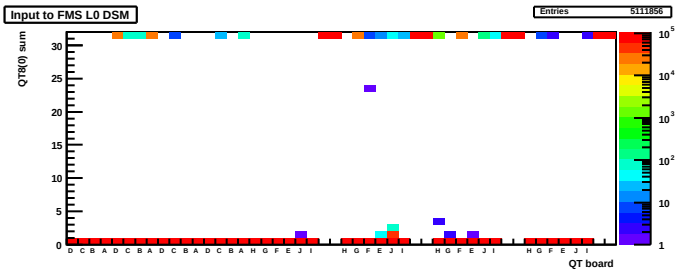

Entries 106497
BBC-L TAC Diff
BCC-S TAC Diff
Entries 106497
BBC-L TAC Diff
VPD TAC Diff
Entries 106497
BBC-L TAC Diff
ZDC TAC Diff
Entries 106497
BBC-S TAC Diff
VPD TAC Diff
Entries 106497
BBC-S TAC Diff
ZDC TAC Diff
Entries 106497
VPD TAC Diff
ZDC TAC Diff

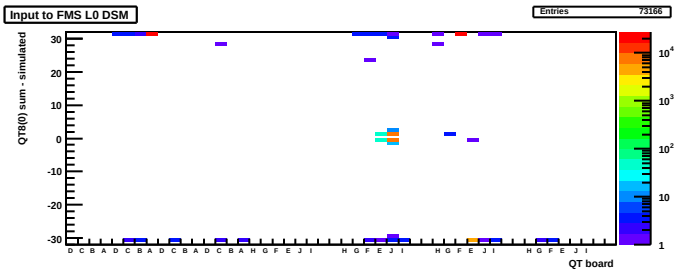

Input to QT1 crate
Entries1984697
ADC
channel

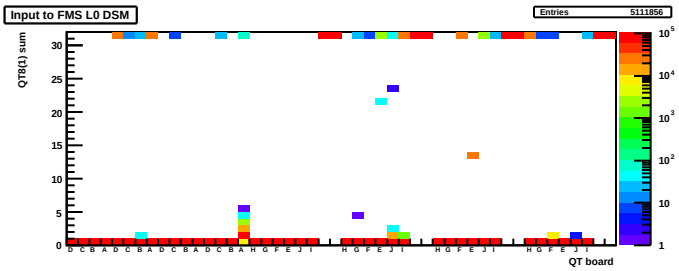

Input to QT2 crate
Entries2390115
ADC
channel

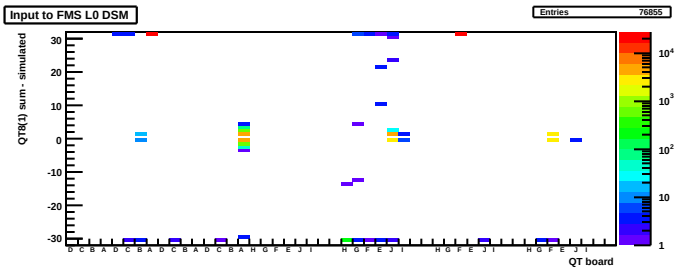

Input to QT3 crate
Entries3482347
ADC
channel

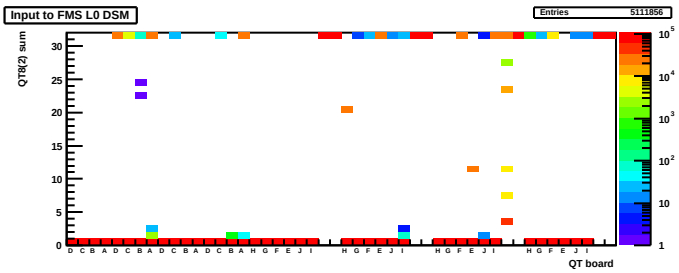

Input to QT4 crate
Entries3381996
ADC
channel

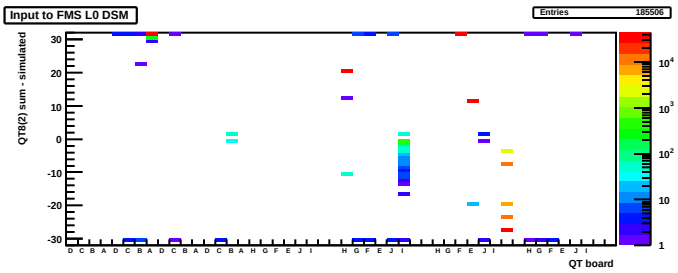

Input to FMS L0 DSM
Entries 5111856
QT8(0) sum
QT board

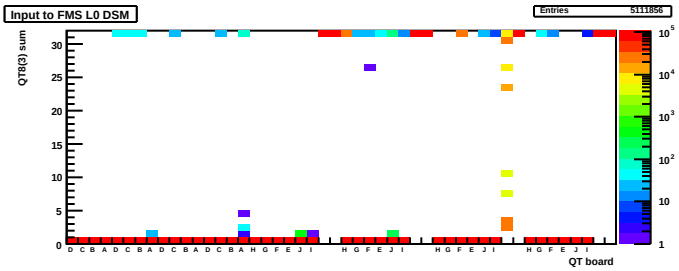

Input to FMS L0 DSM
Entries 73166
QT8(0) sum - simulated
QT board

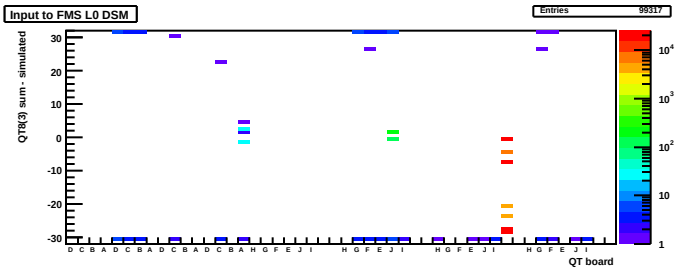

Input to FMS L0 DSM
Entries 5111856
QT8(1) sum
QT board

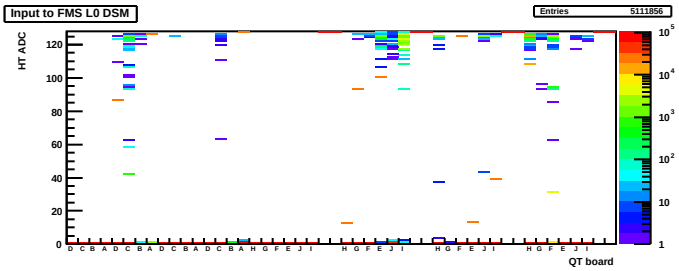

Input to FMS L0 DSM
Entries 76855
QT8(1) sum - simulated
QT board

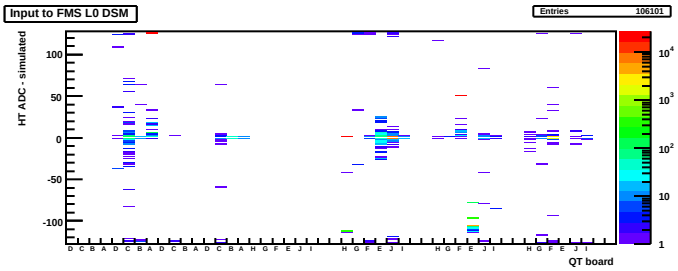

Input to FMS L0 DSM
Entries 5111856
QT8(2) sum
QT board

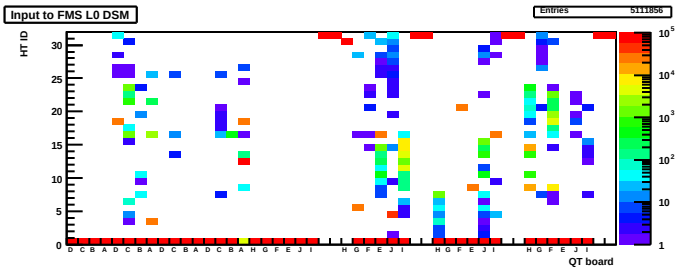

Input to FMS L0 DSM
Entries 185506
QT8(2) sum - simulated
QT board

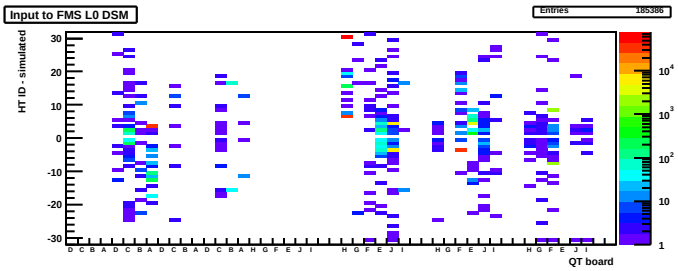

Input to FMS L0 DSM
Entries 5111856
QT8(3) sum
QT board

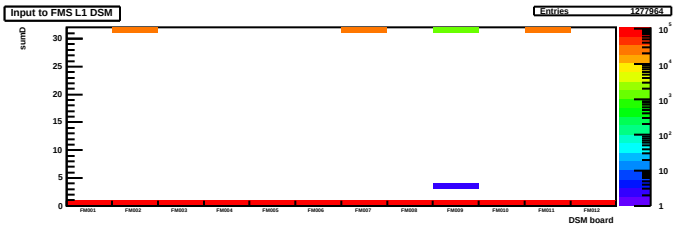

Input to FMS L0 DSM
Entries 99317
QT8(3) sum - simulated
QT board

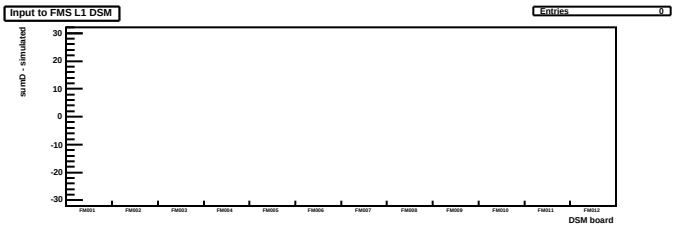

Input to FMS L0 DSM
Entries 5111856
HT ADC
QT board

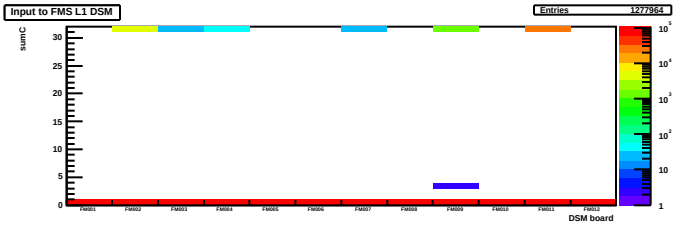

Input to FMS L0 DSM
Entries 106101
HT ADC - simulated
QT board

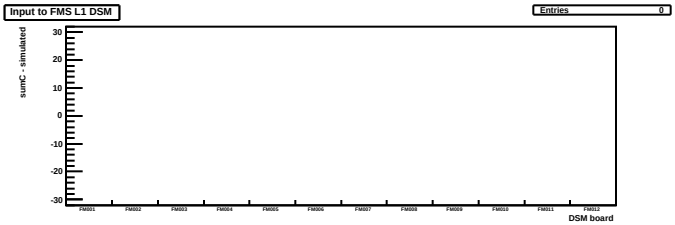

Input to FMS L0 DSM
Entries 5111856
HT ID
QT board

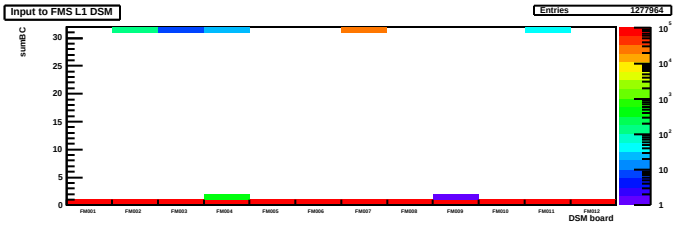

Input to FMS L0 DSM
Entries 185386
HT ID - simulated
QT board

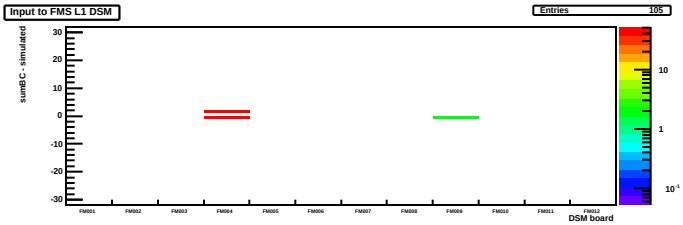

Input to FMS L1 DSM
Entries 1277964
sumD
DSM board

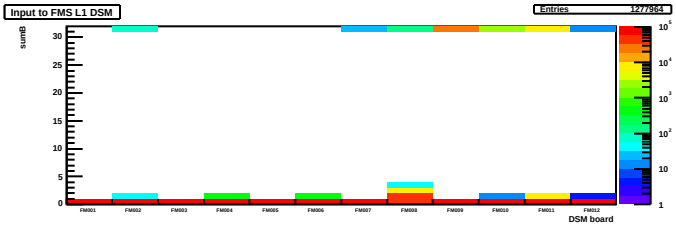

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

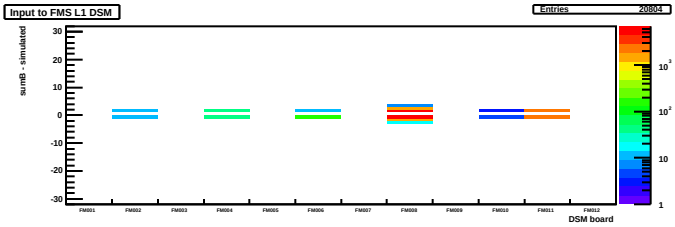

Input to FMS L1 DSM
Entries 1277964
sumC
DSM board

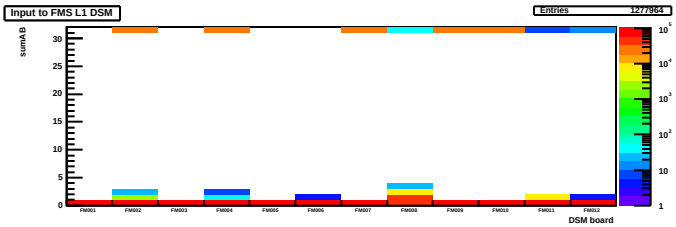

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

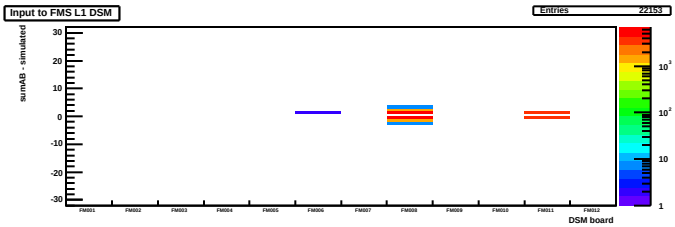

Input to FMS L1 DSM
Entries 1277964
sumBC
DSM board

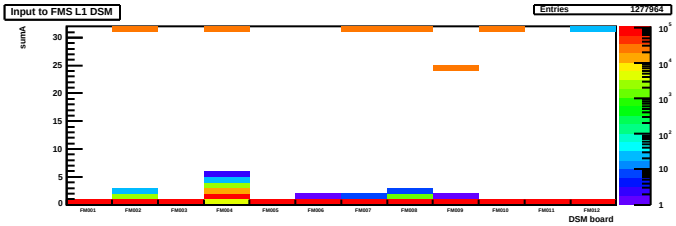

Input to FMS L1 DSM
Entries 105
sumBC - simulated
DSM board

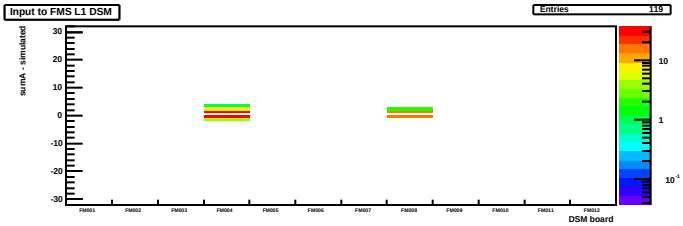

Input to FMS L1 DSM
Entries 1277964
sumB
DSM board

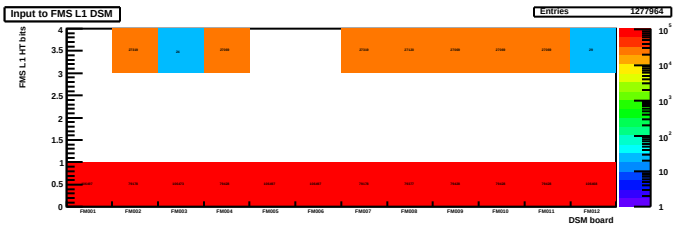

Input to FMS L1 DSM
Entries 20804
sumB - simulated
DSM board

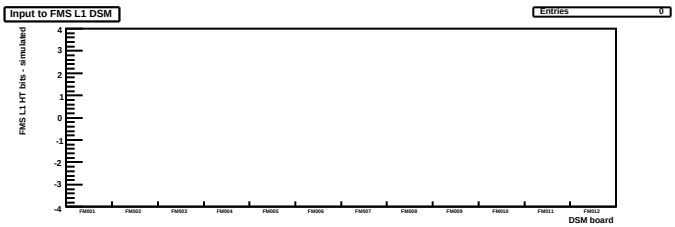

Input to FMS L1 DSM
Entries 1277964
sumAB
DSM board

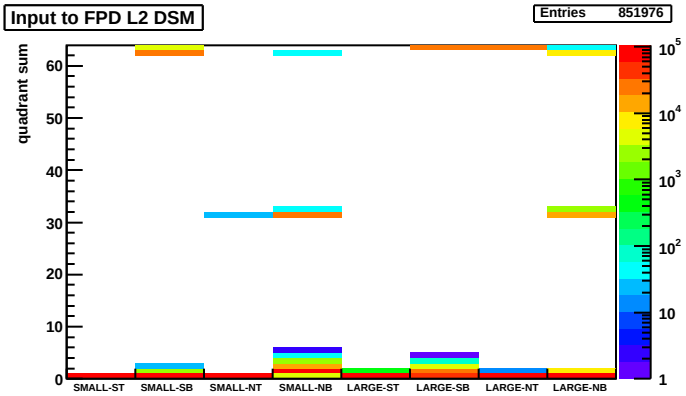

Input to FMS L1 DSM
Entries 22153
sumAB - simulated
DSM board

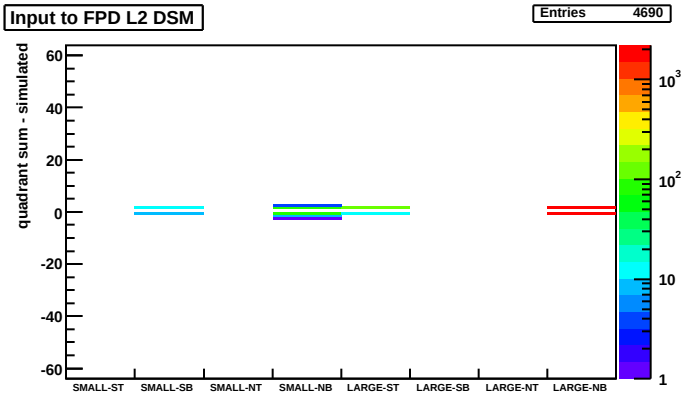

Input to FMS L1 DSM
Entries 1277964
sumA
DSM board

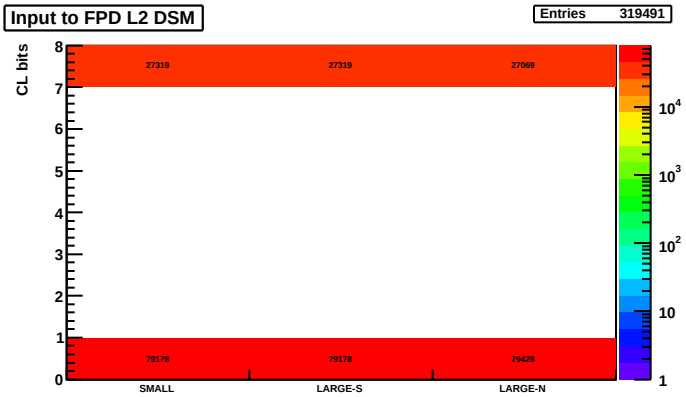

Input to FMS L1 DSM
Entries 119
sumA - simulated
DSM board

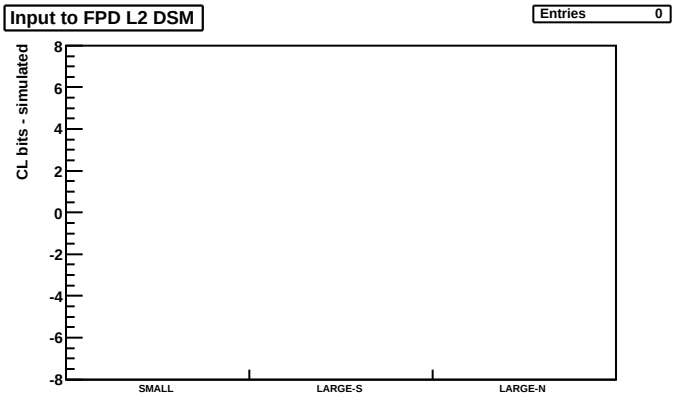

Input to FMS L1 DSM
Entries 1277964
FMS L1 HT bits
DSM board

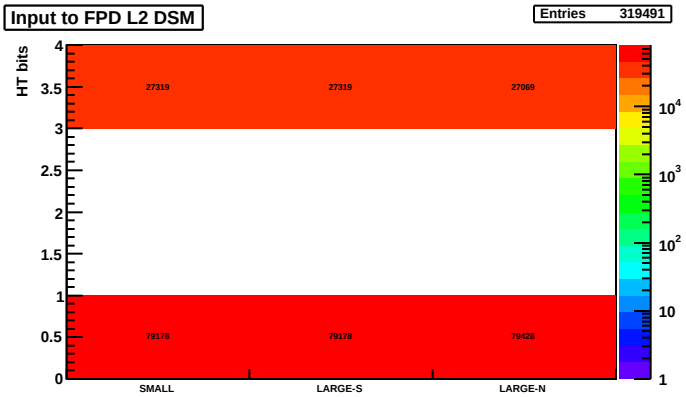

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

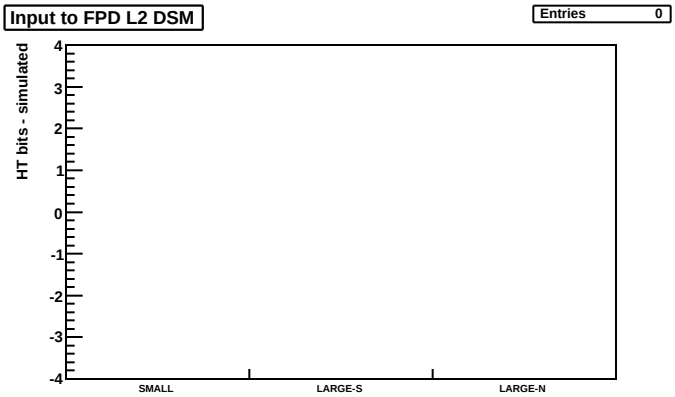

Input to FPD L2 DSM
Entries 851976
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

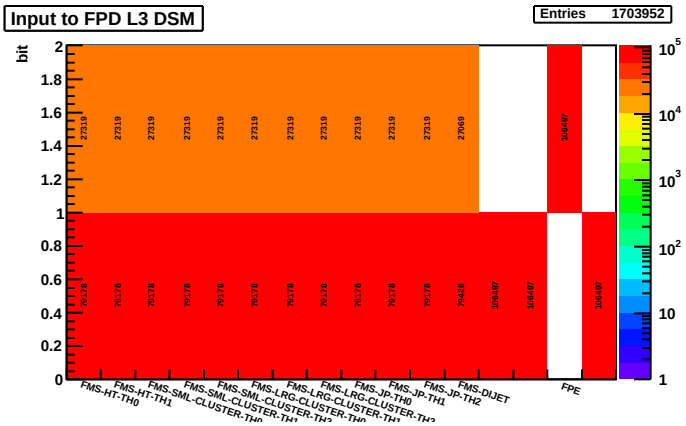

Input to FPD L2 DSM
Entries 4690
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

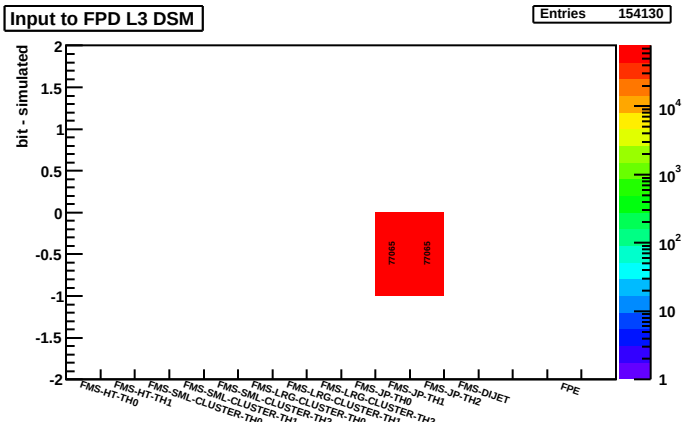

Input to FPD L2 DSM
Entries 319491
CL bits
27319
27319
27069
79178
79178
79428
SMALL
LARGE-S
LARGE-N

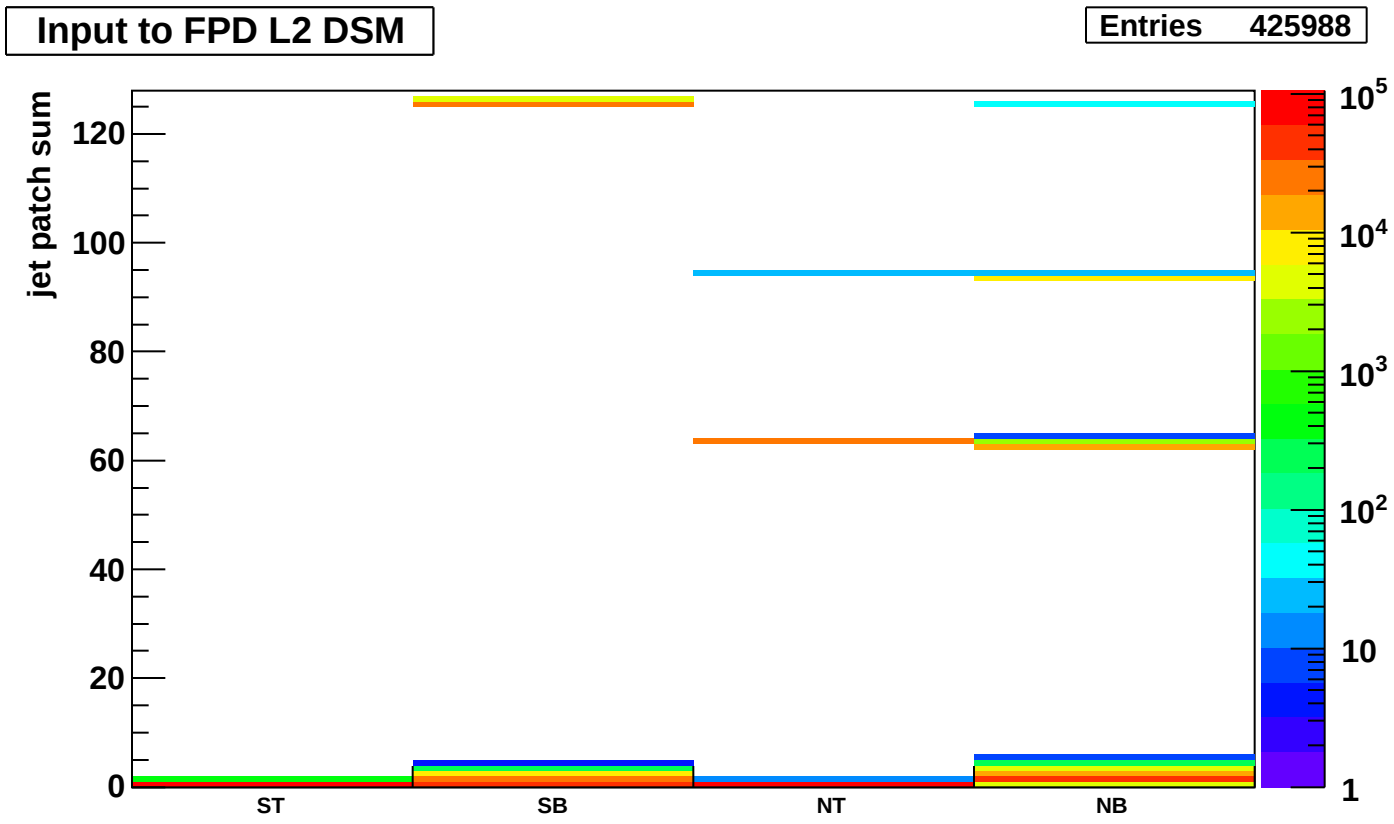

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

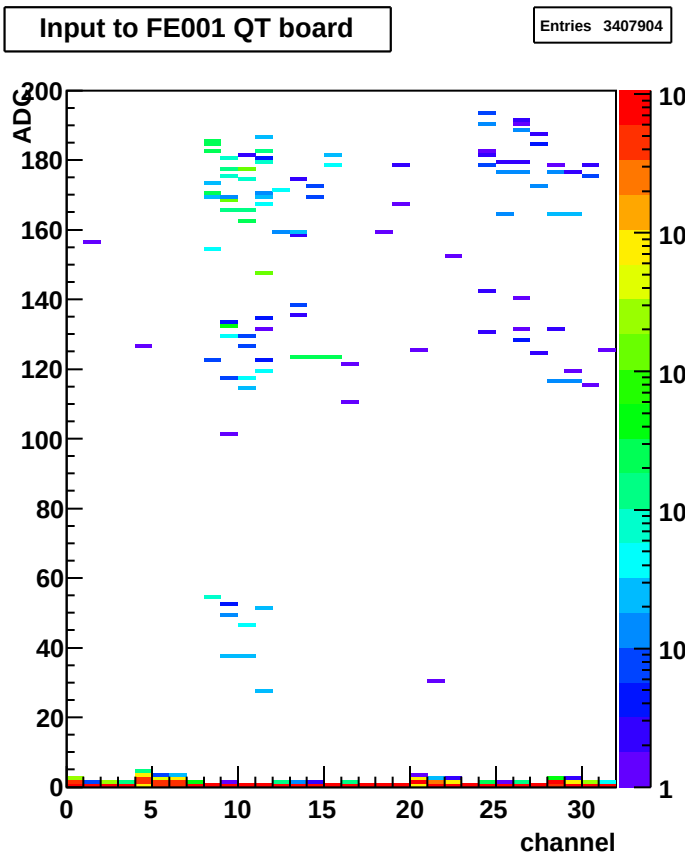

Input to FPD L2 DSM
Entries 319491
HT bits
27319
27319
27069
79178
79178
79428
SMALL
LARGE-S
LARGE-N

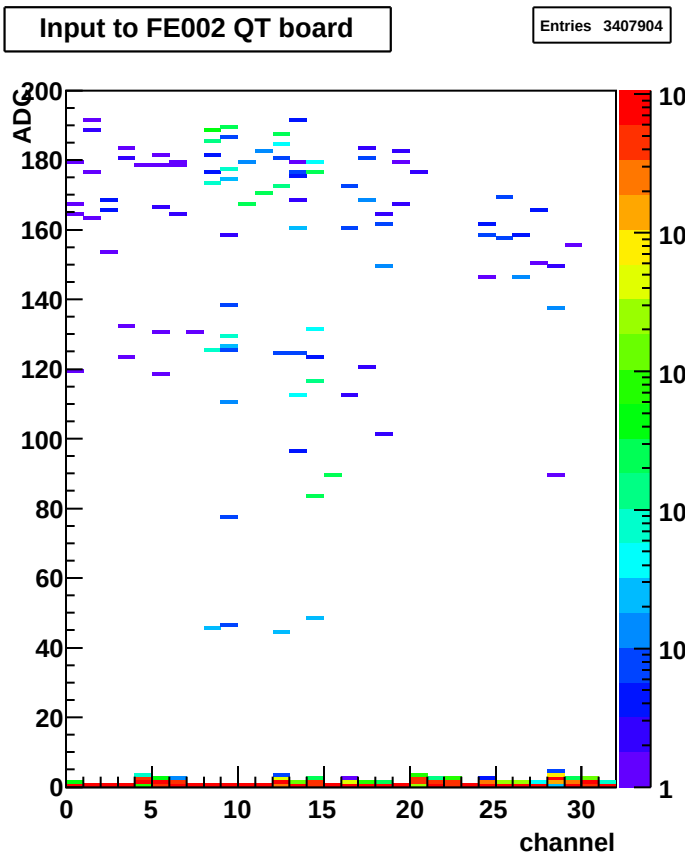

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

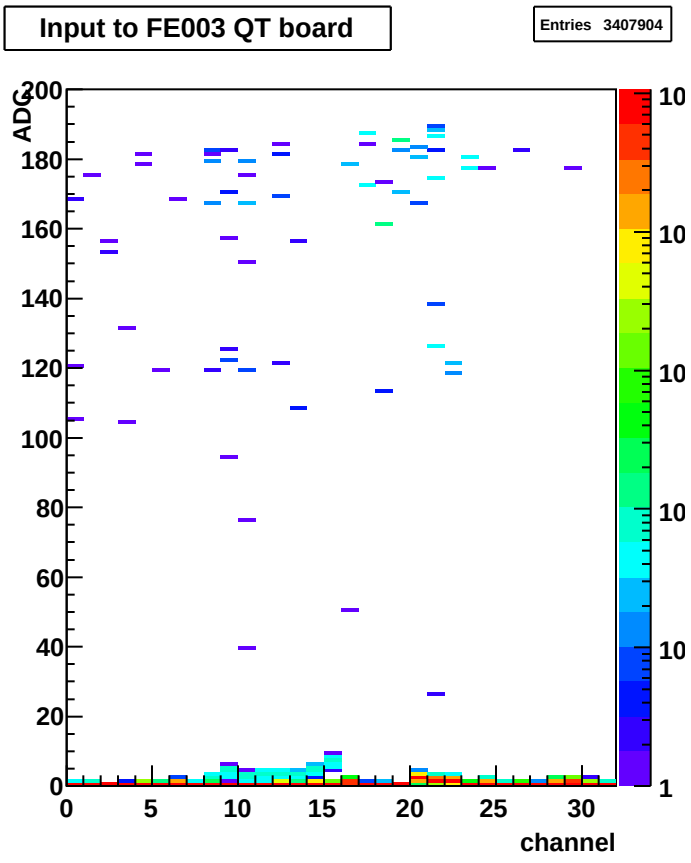

Input to FPD L3 DSM
Entries 1703952
bit
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

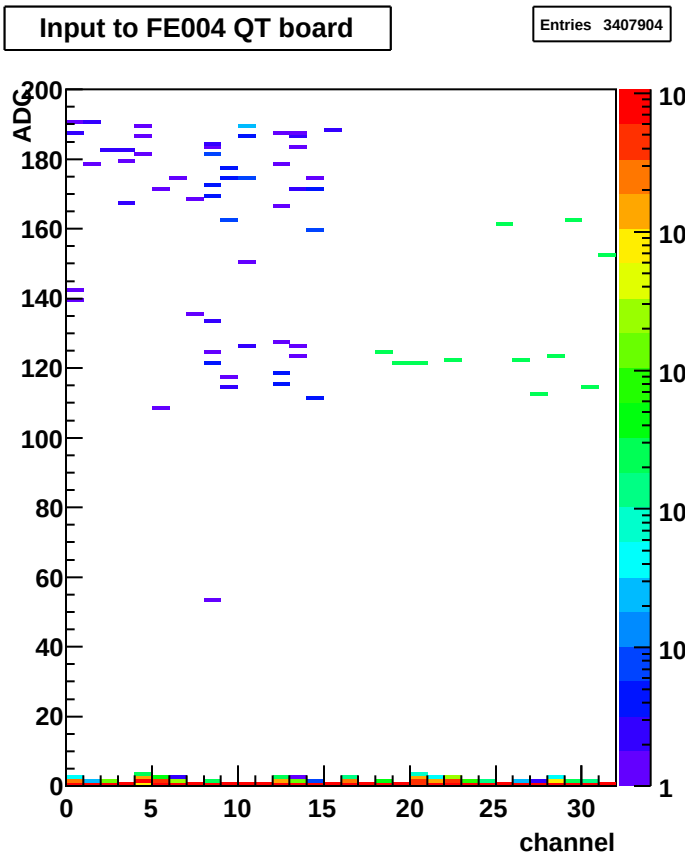

Input to FPD L3 DSM
Entries 154130
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

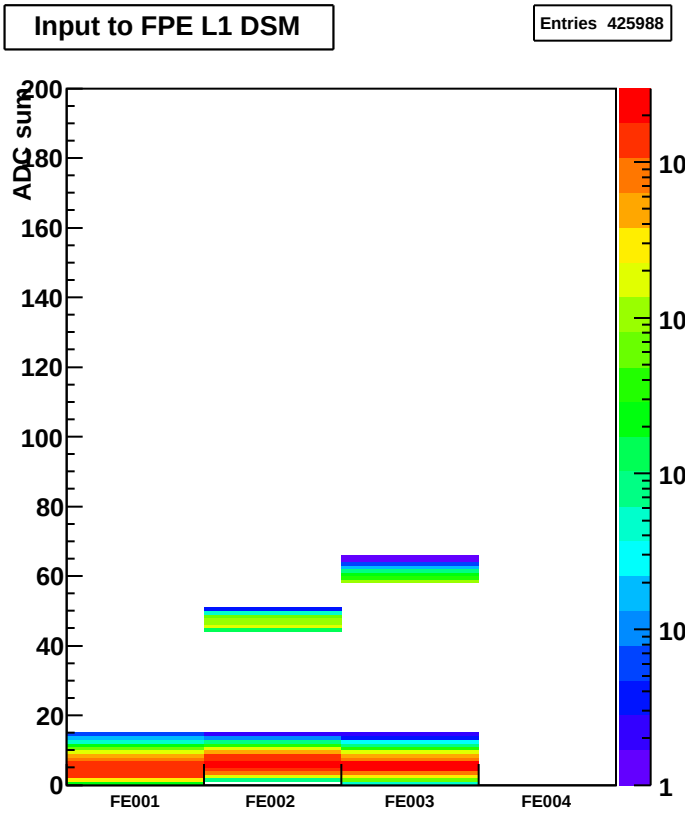

Input to FPD L2 DSM
Entries 425988
jet patch sum
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

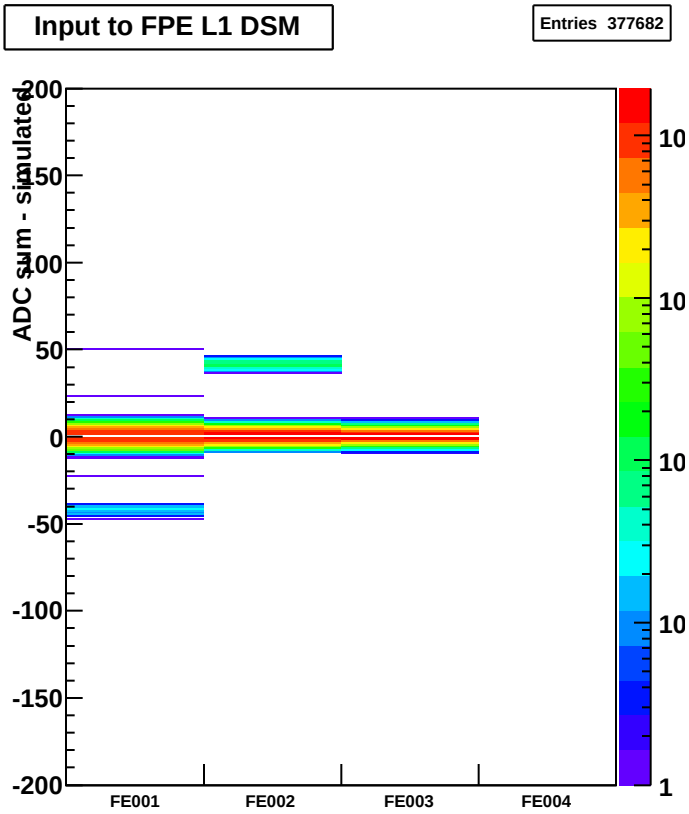

Input to FE001 QT board
Entries 3407904
ADC
channel

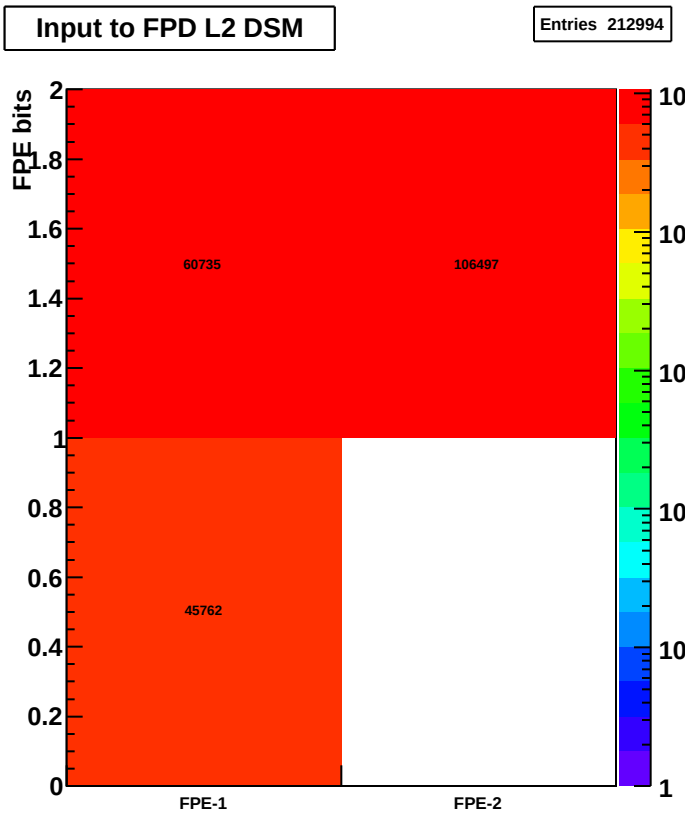

Input to FE002 QT board
Entries 3407904
ADC
channel

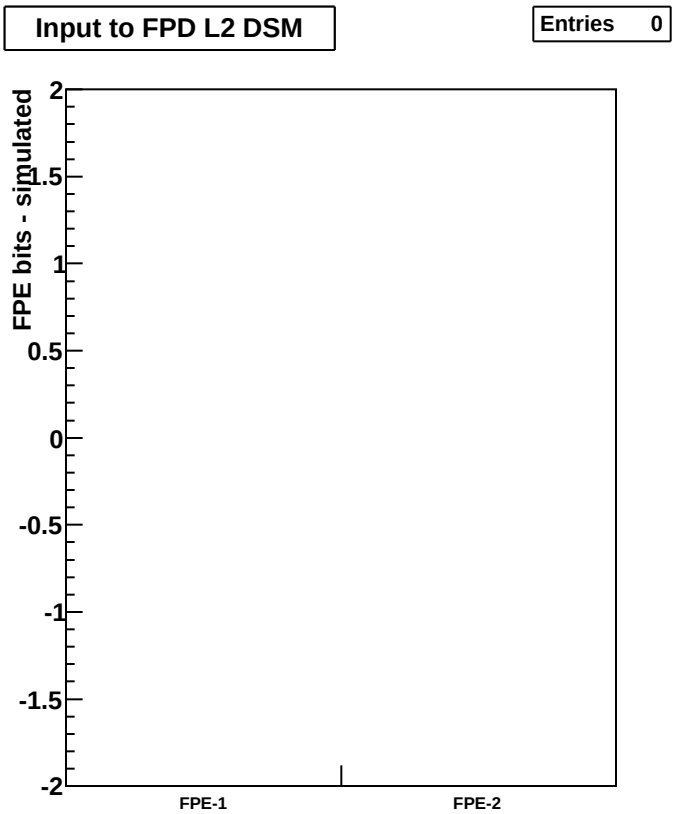

Input to FE003 QT board
Entries 3407904
ADC
channel


Input to FE004 QT board
Entries 3407904
ADC
channel


Input to FPE L1 DSM
Entries 425988
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 377682
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 212994
FPE bits
60735
106497
45762
FPE-1
FPE-2


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