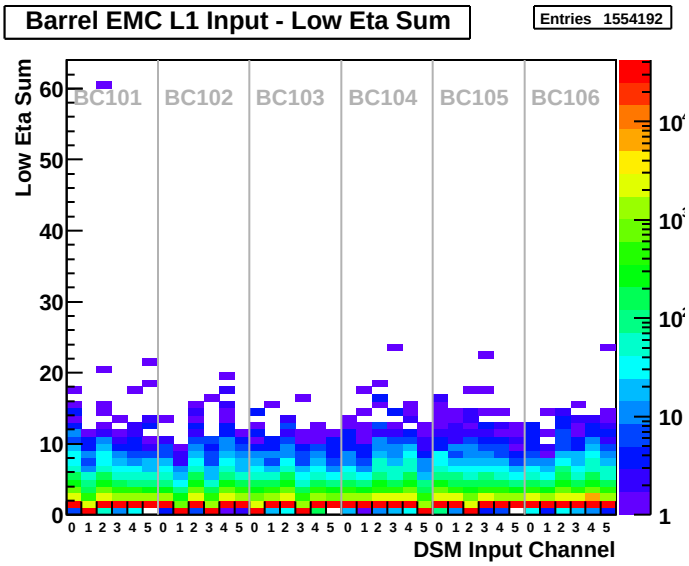
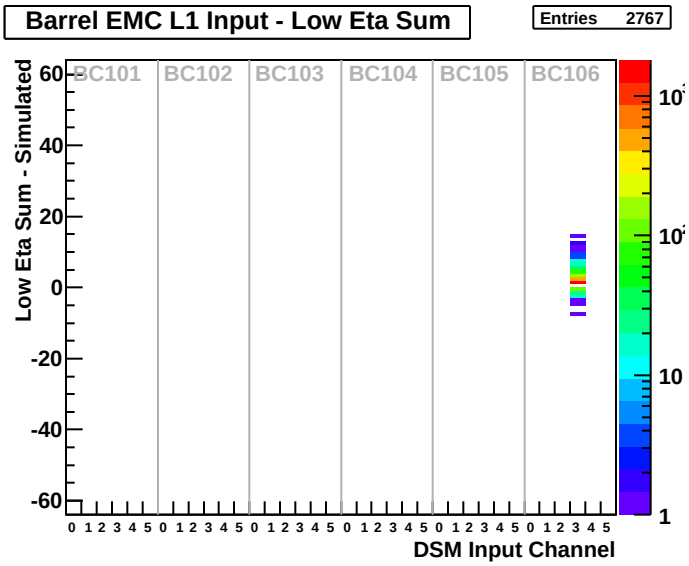
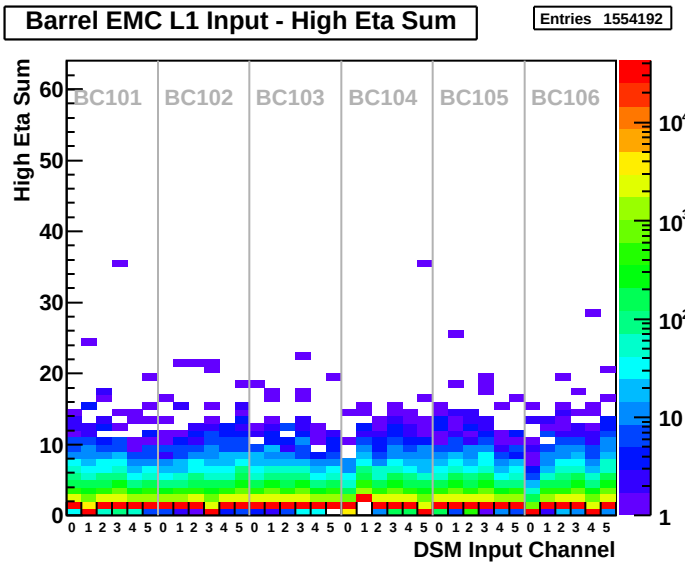
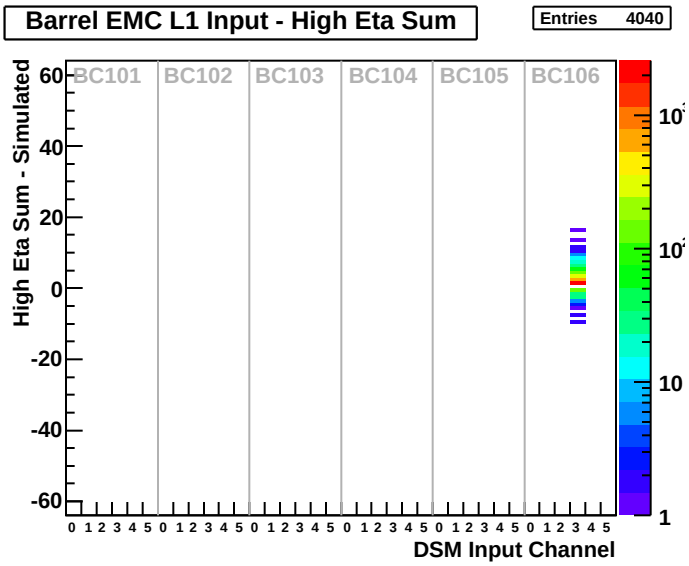
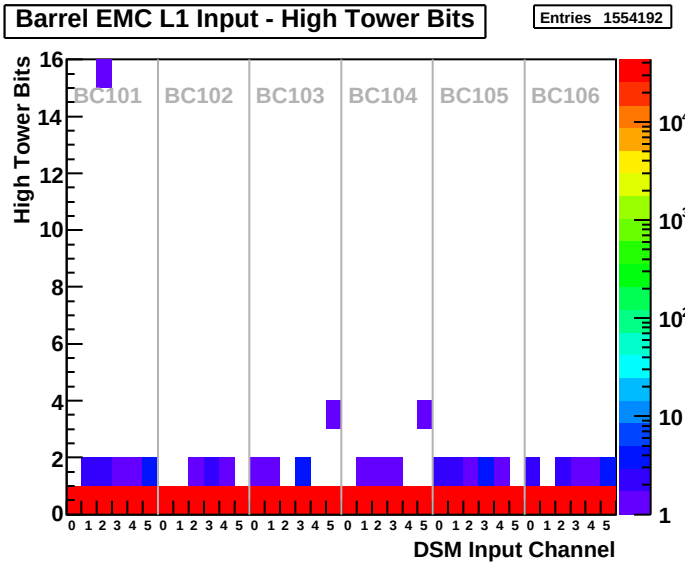
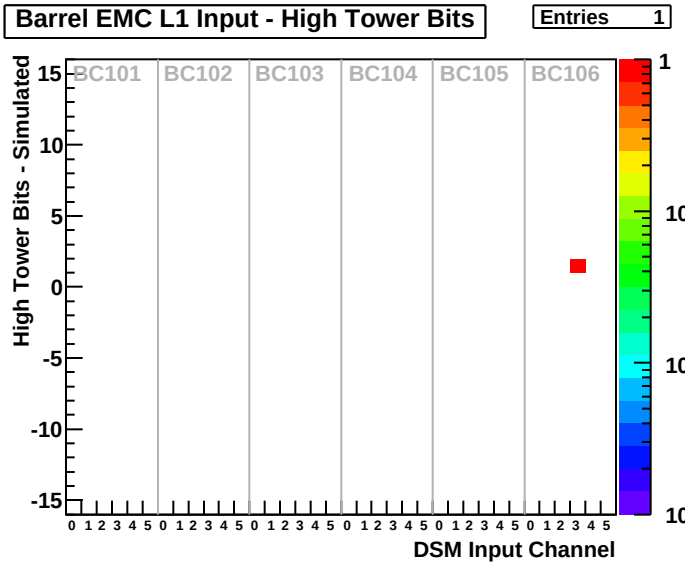

Barrel EMC L1 Input - Low Eta Sum
Entries 1554192
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

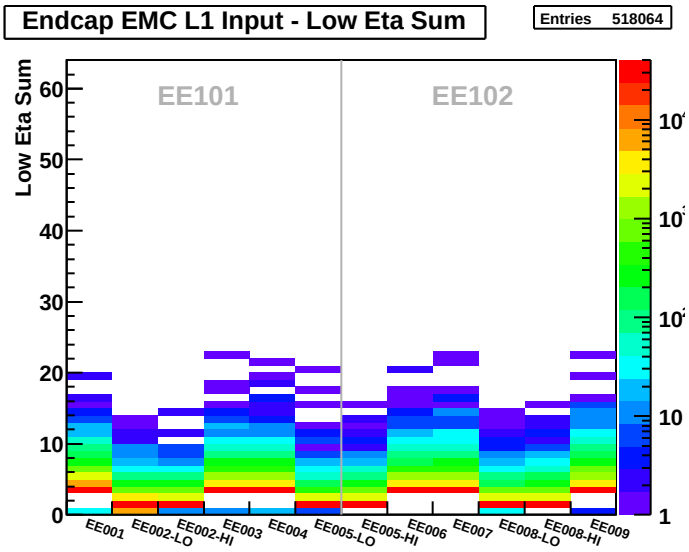

Barrel EMC L1 Input - Low Eta Sum
Entries 2767
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

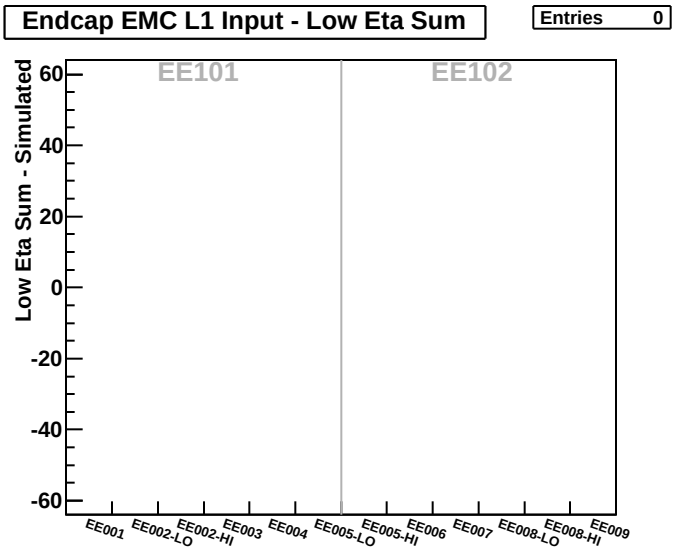

Barrel EMC L1 Input - High Eta Sum
Entries 1554192
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

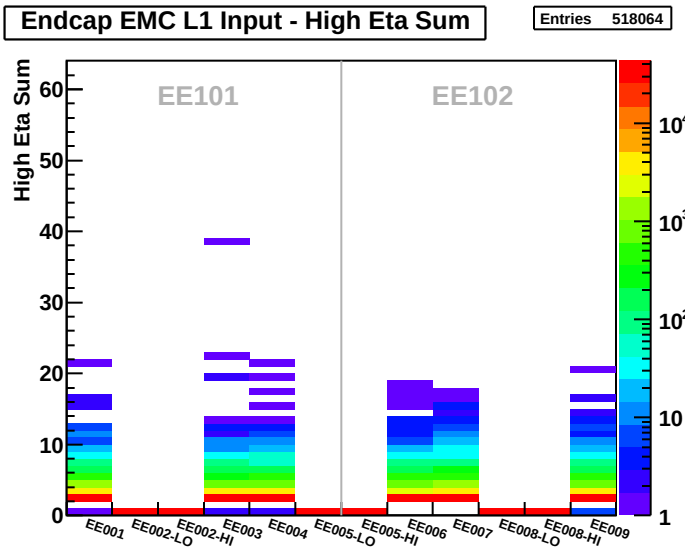

Barrel EMC L1 Input - High Eta Sum
Entries 4040
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

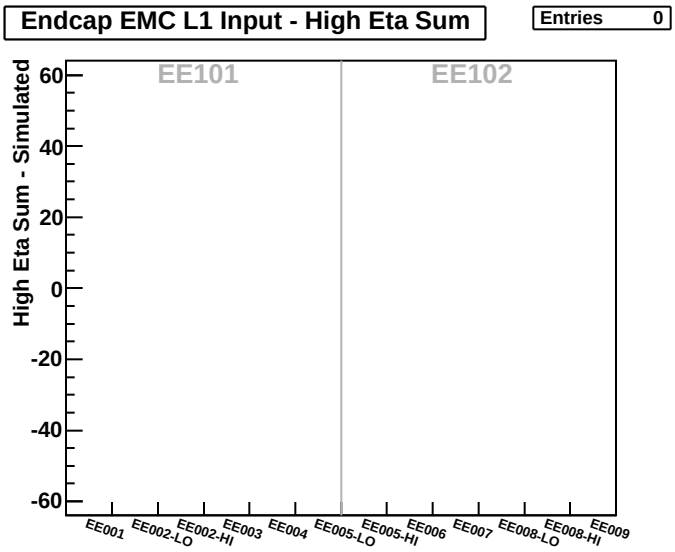

Barrel EMC L1 Input - High Tower Bits
Entries 1554192
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

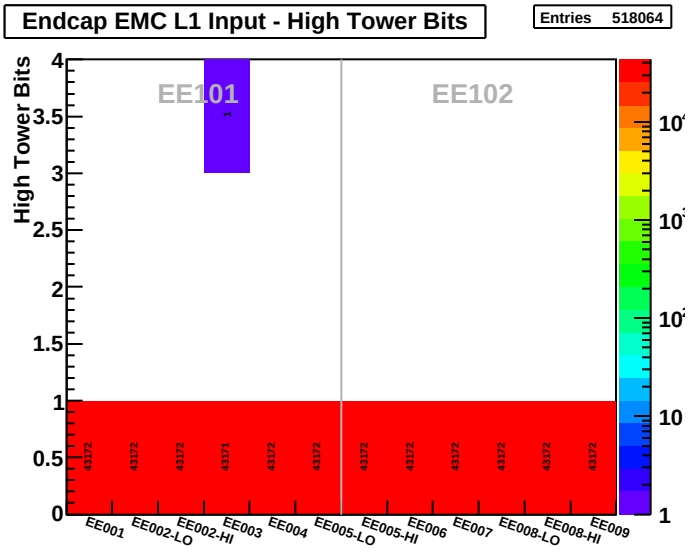

Barrel EMC L1 Input - High Tower Bits
Entries 1
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

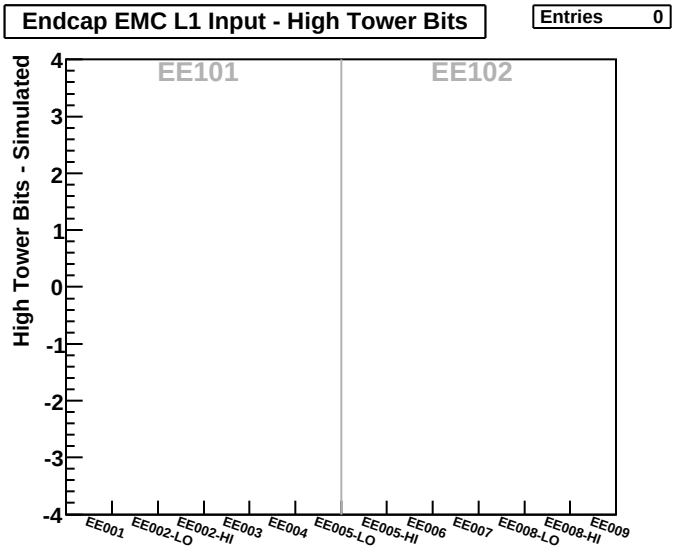

Endcap EMC L1 Input - Low Eta Sum
Entries 518064
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

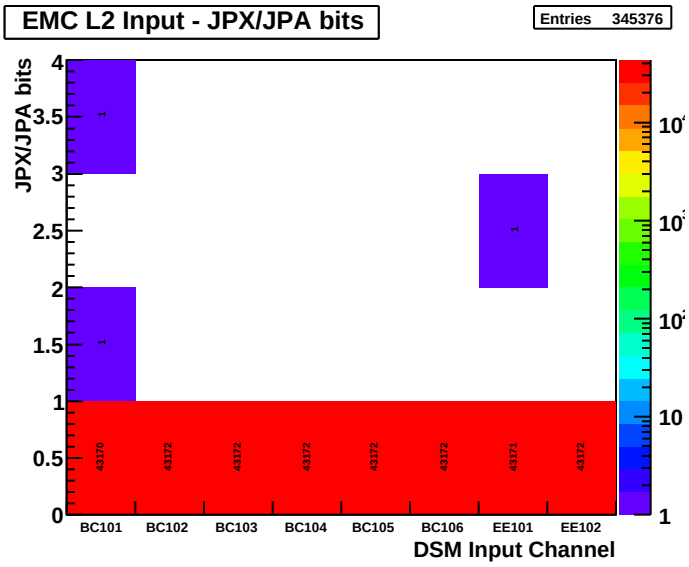

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

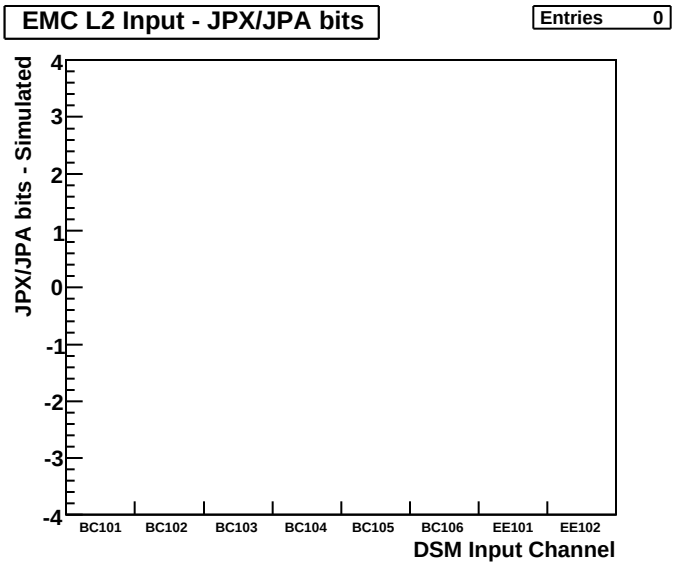

Endcap EMC L1 Input - High Eta Sum
Entries 518064
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

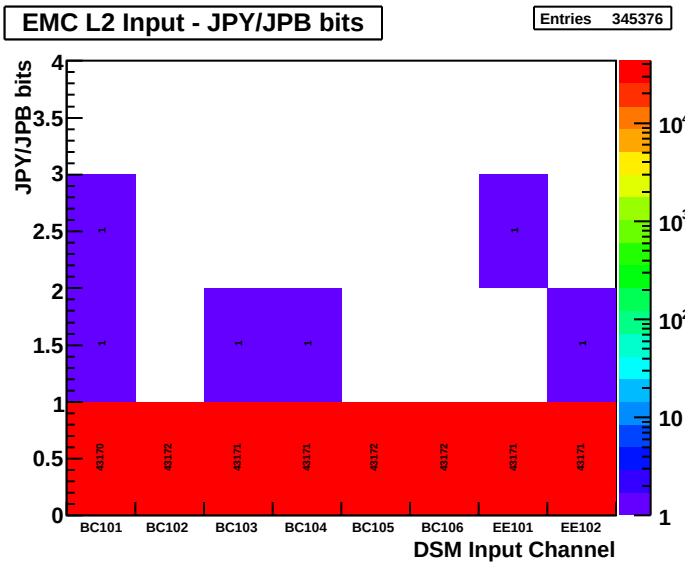

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

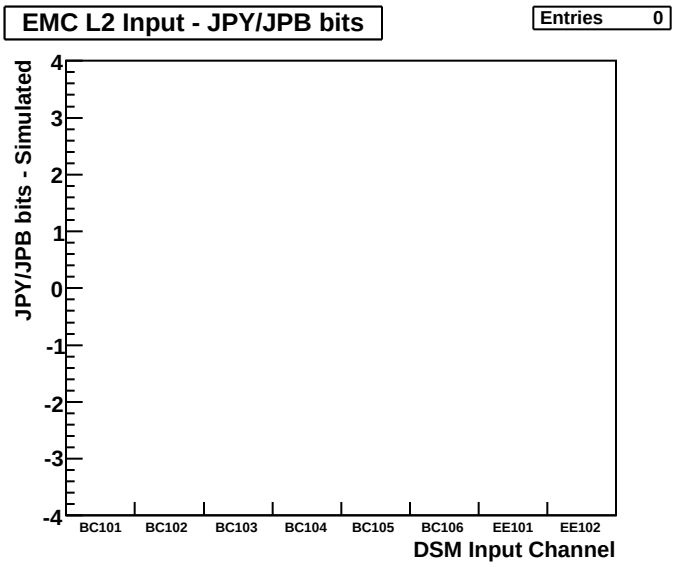

Endcap EMC L1 Input - High Tower Bits
Entries 518064
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

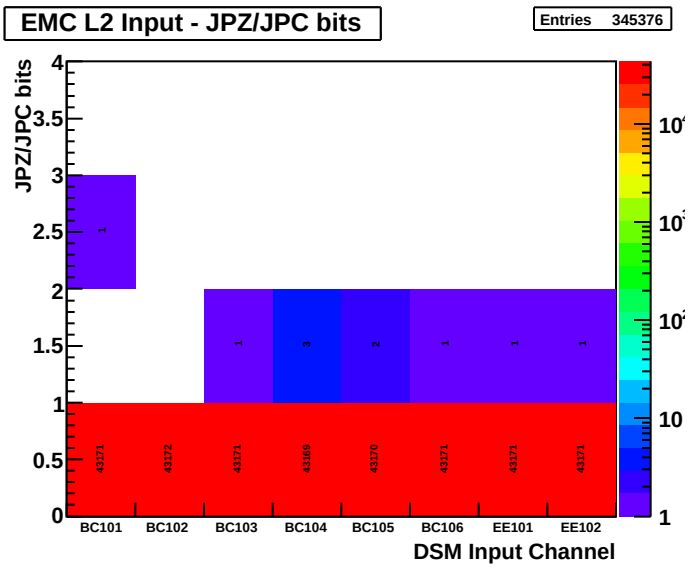

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

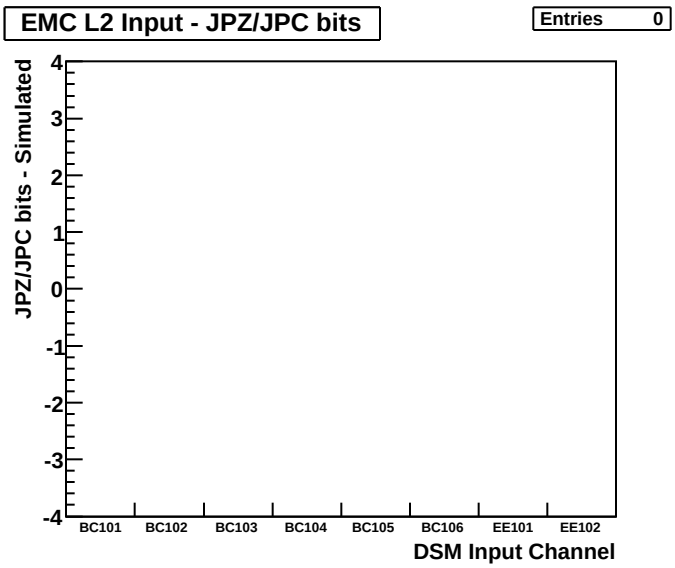

EMC L2 Input - JPX/JPA bits
Entries 345376
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

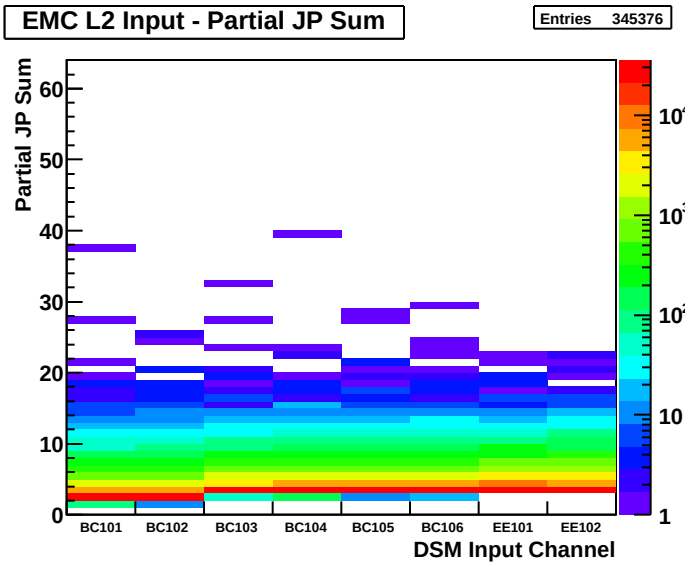

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

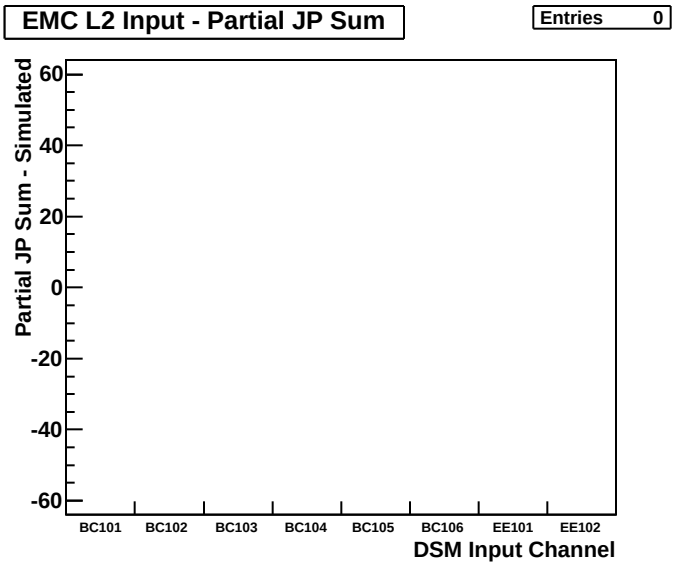

EMC L2 Input - JPY/JPB bits
Entries 345376
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

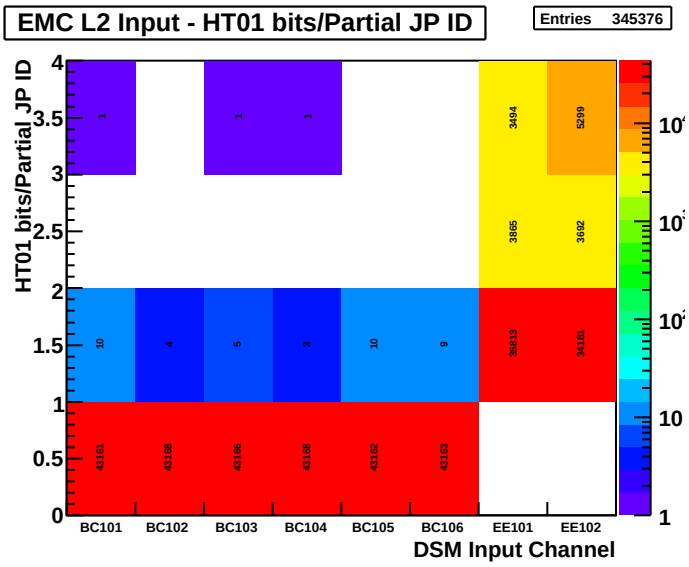

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

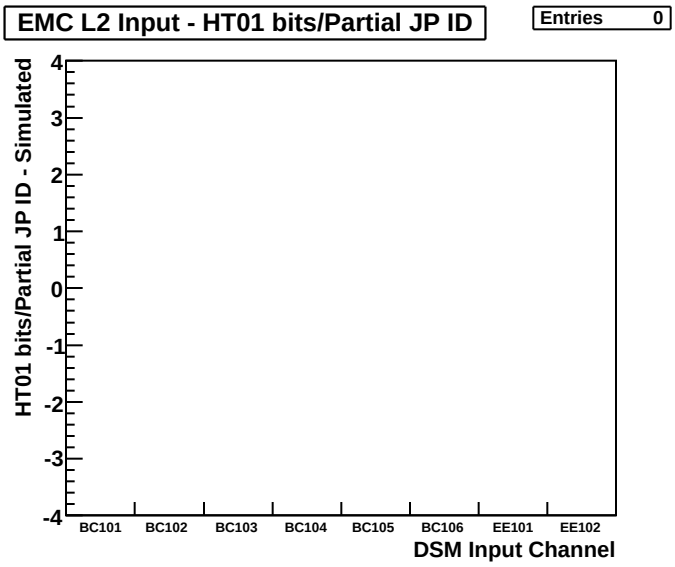

EMC L2 Input - JPZ/JPC bits
Entries 345376
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

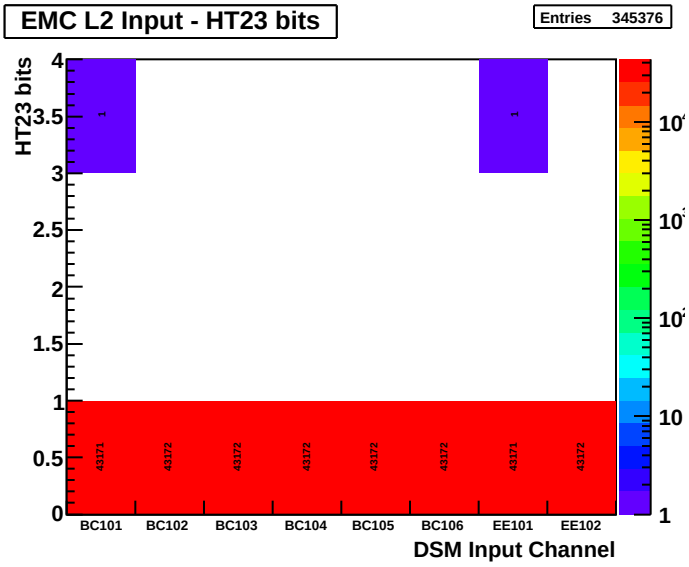

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

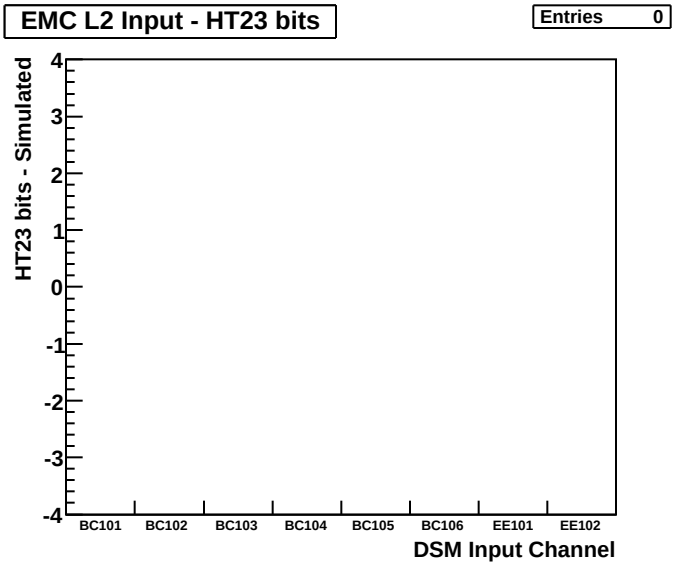

EMC L2 Input - Partial JP Sum
Entries 345376
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

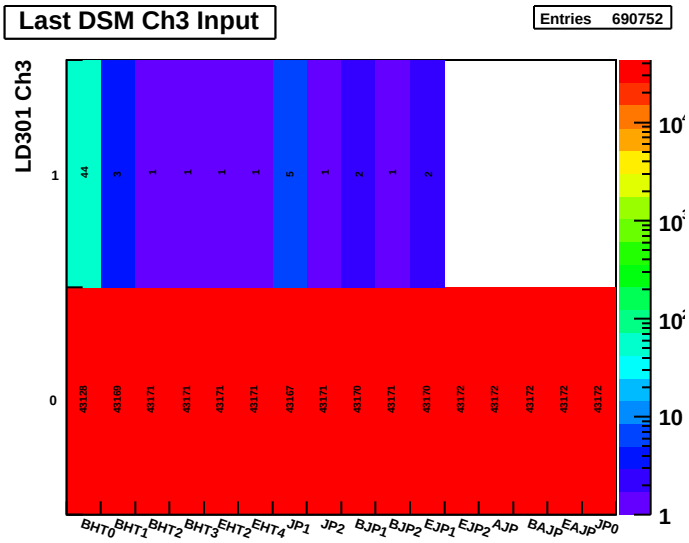

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

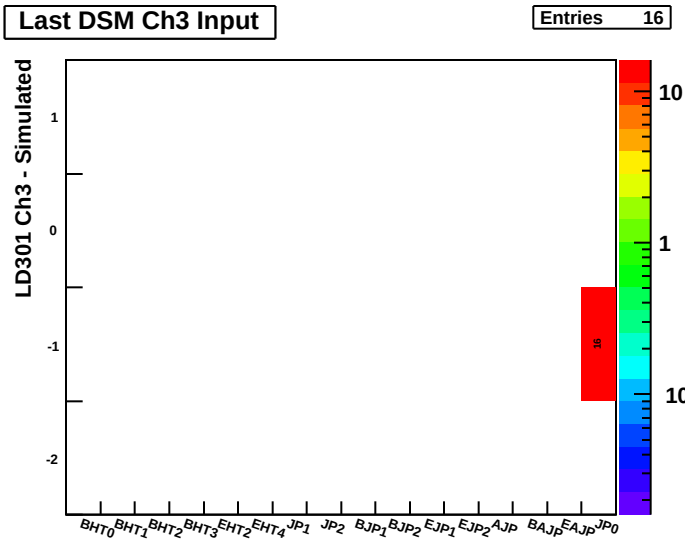

EMC L2 Input - HT01 bits/Partial JP ID
Entries 345376
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

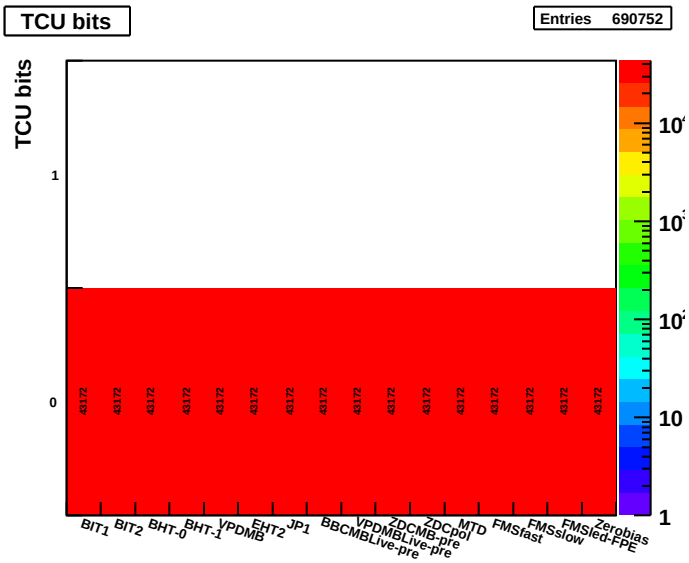

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

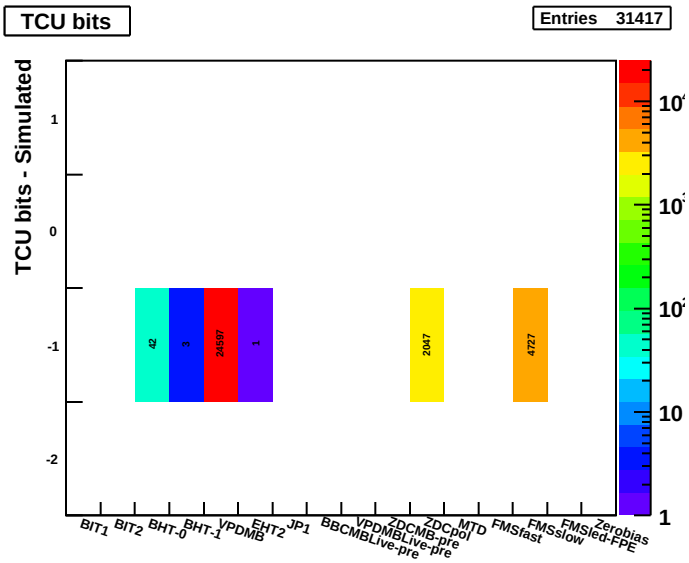

EMC L2 Input - HT23 bits
Entries 345376
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

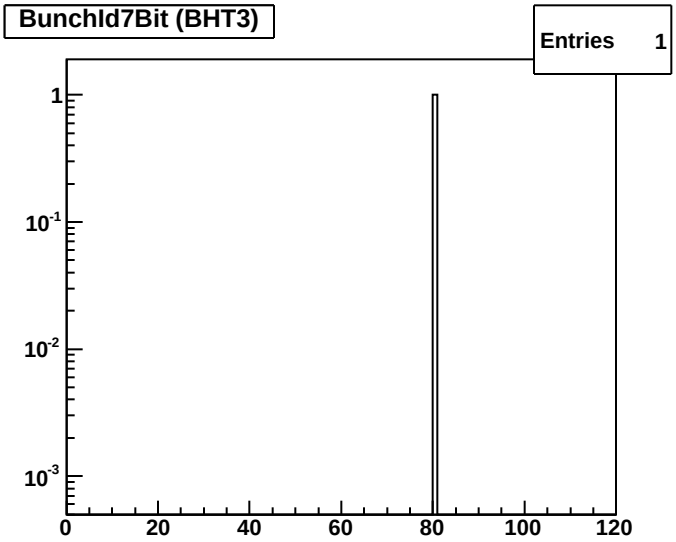

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

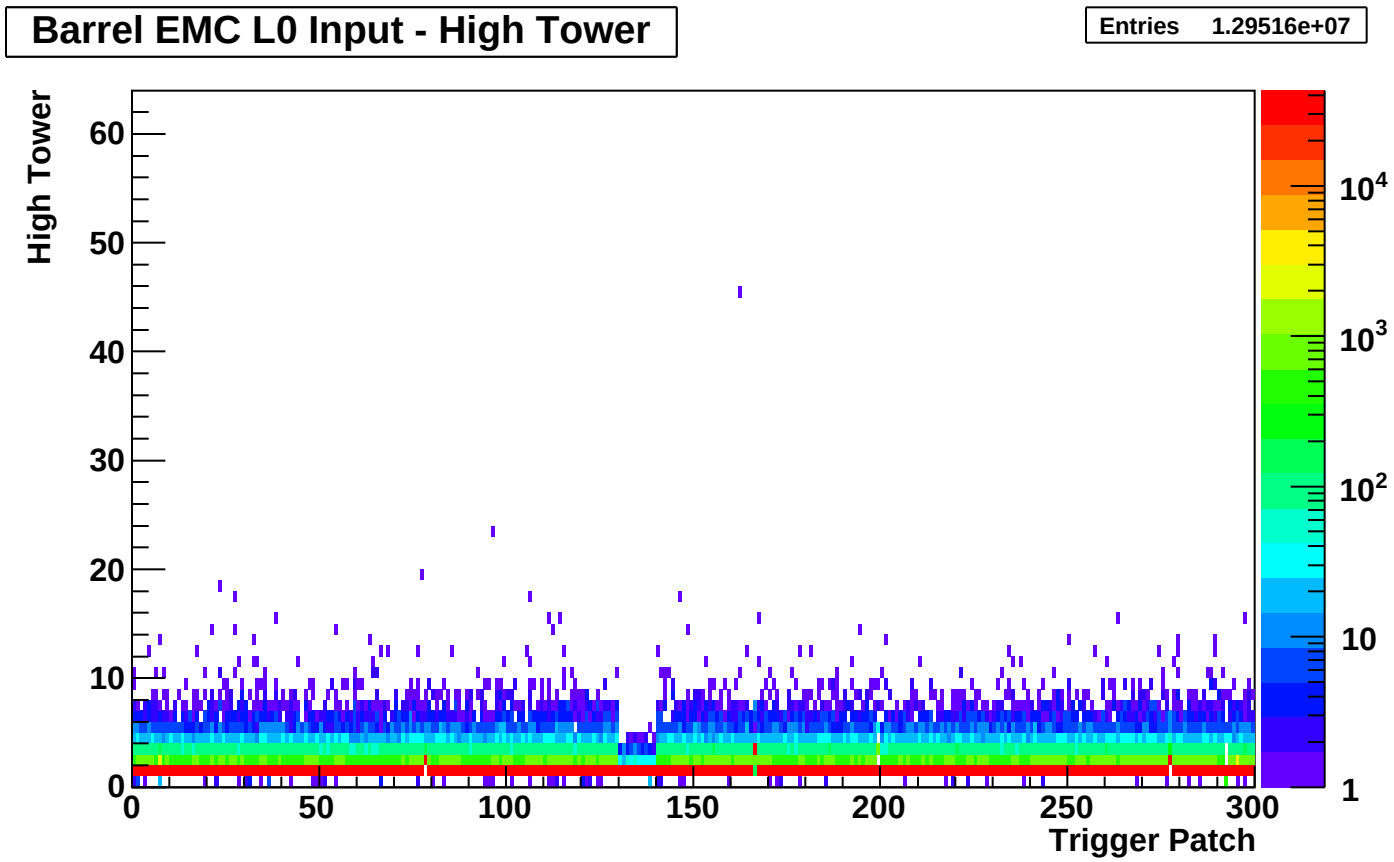

Last DSM Ch3 Input
Entries 690752
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

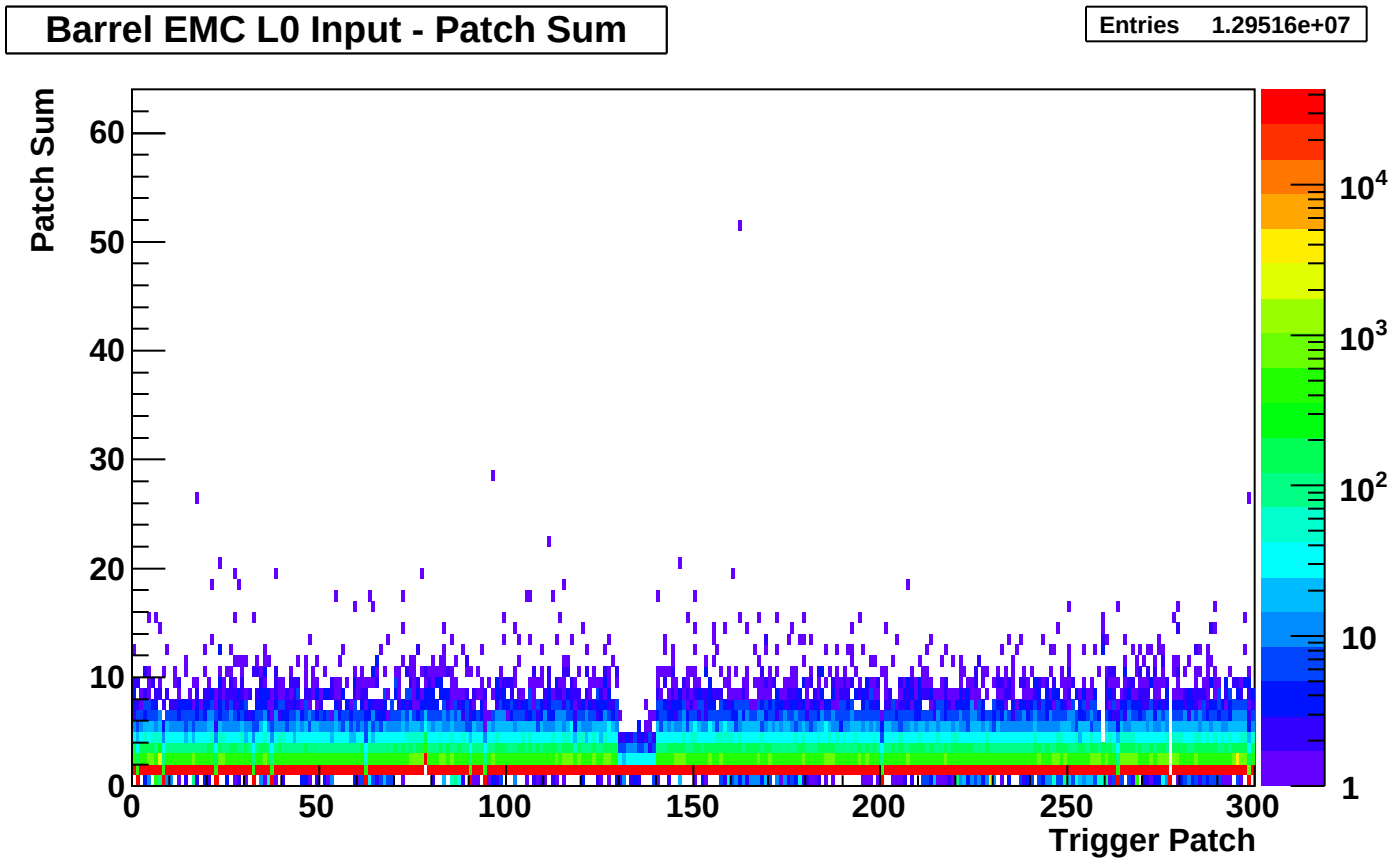

Last DSM Ch3 Input
Entries 16
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

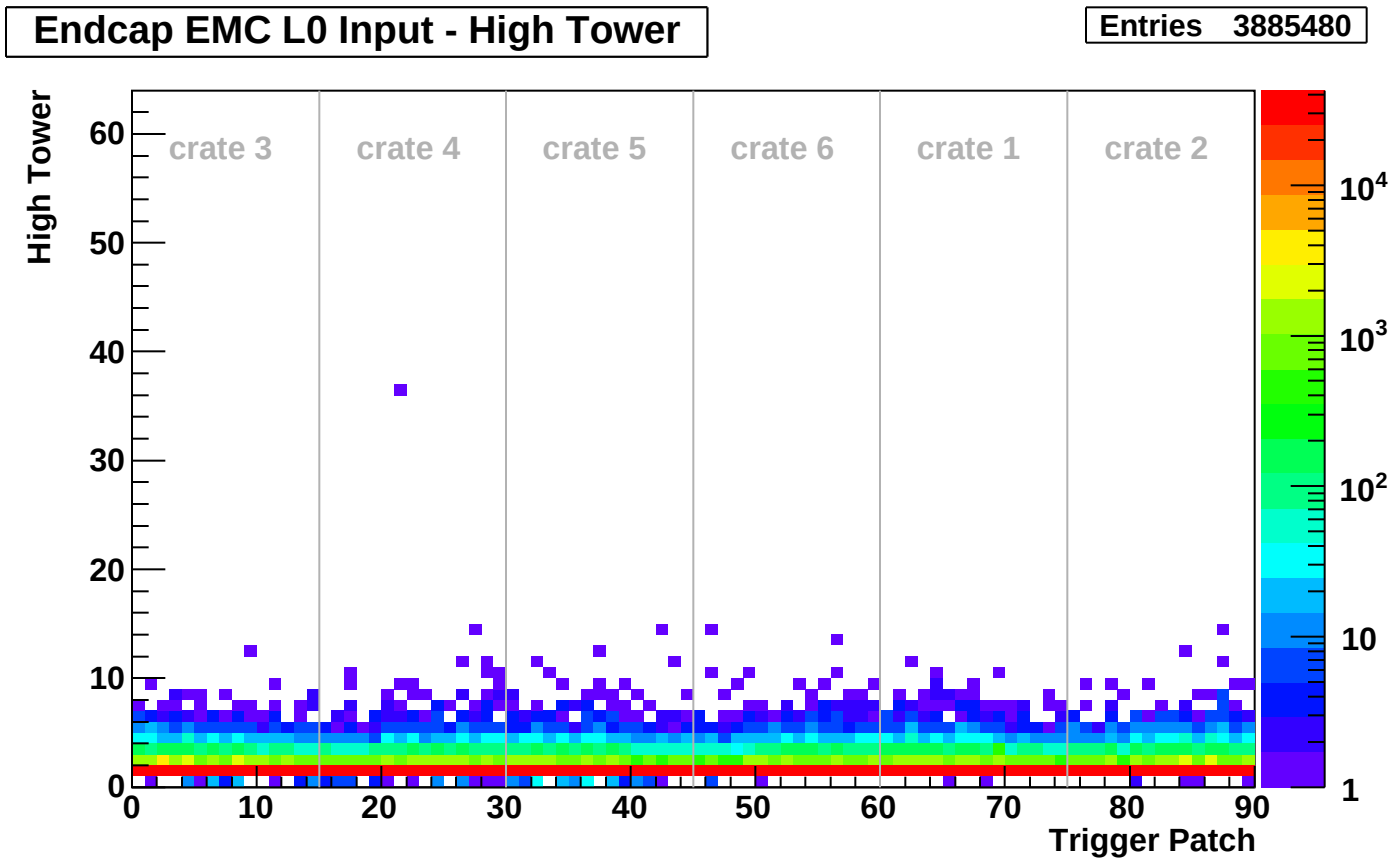

TCU bits
Entries 690752
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

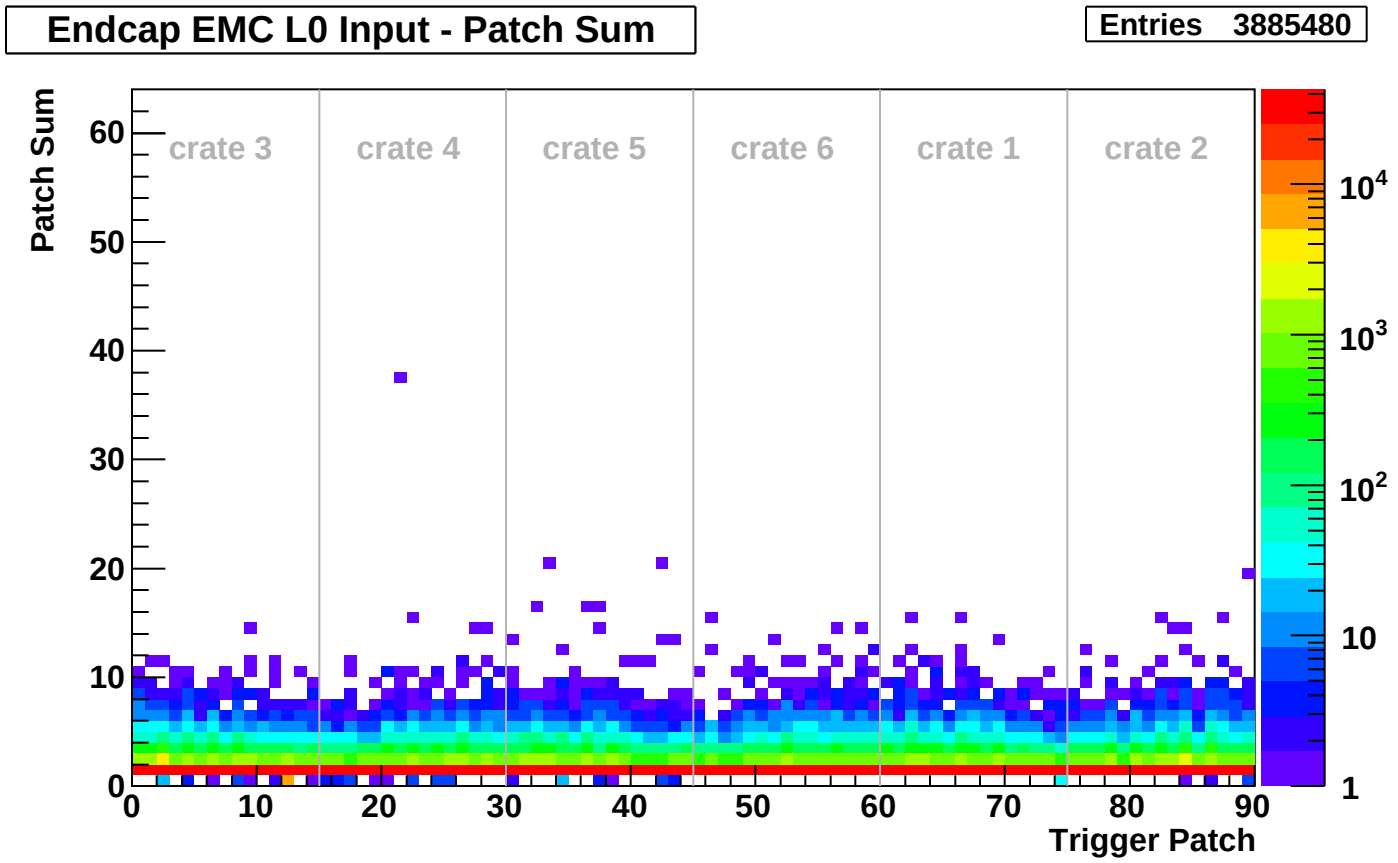

TCU bits
Entries 31417
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

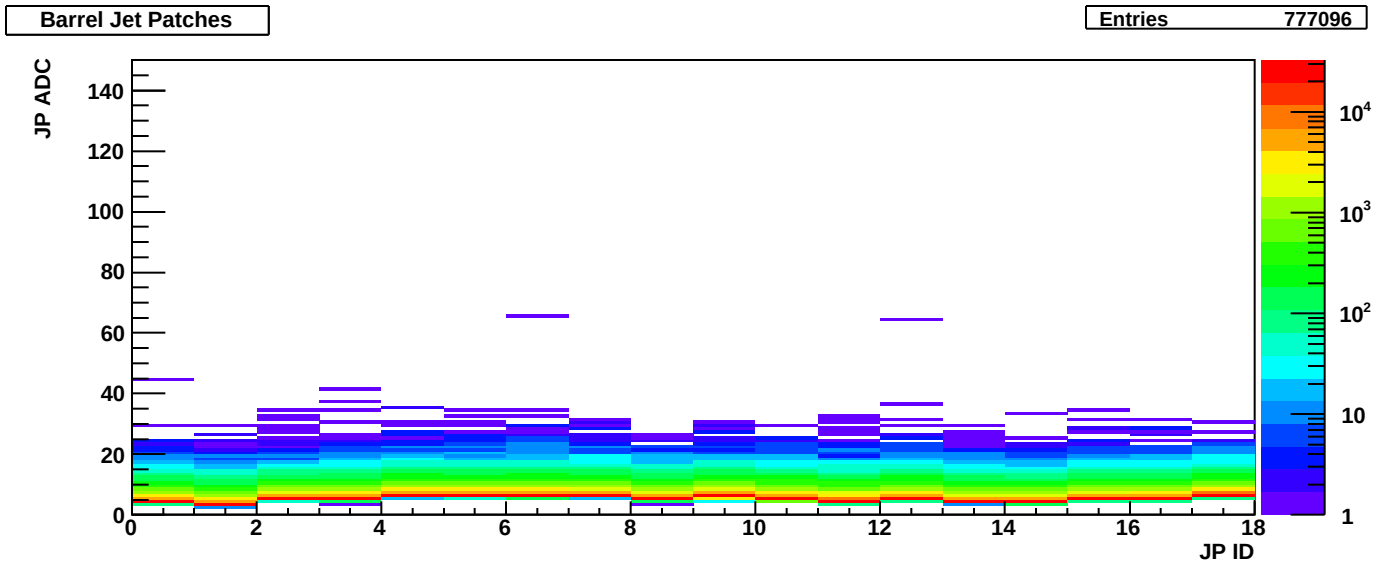

BunchId7Bit (BHT3)
Entries 1

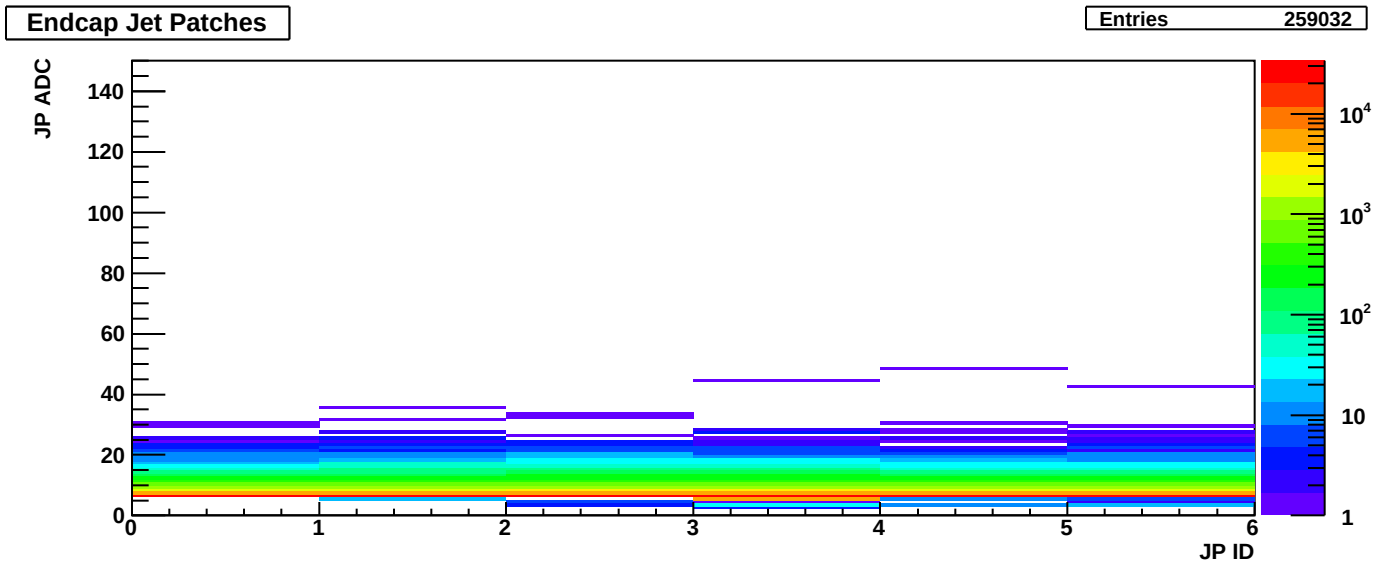

Barrel EMC L0 Input - High Tower
Entries 1.29516e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

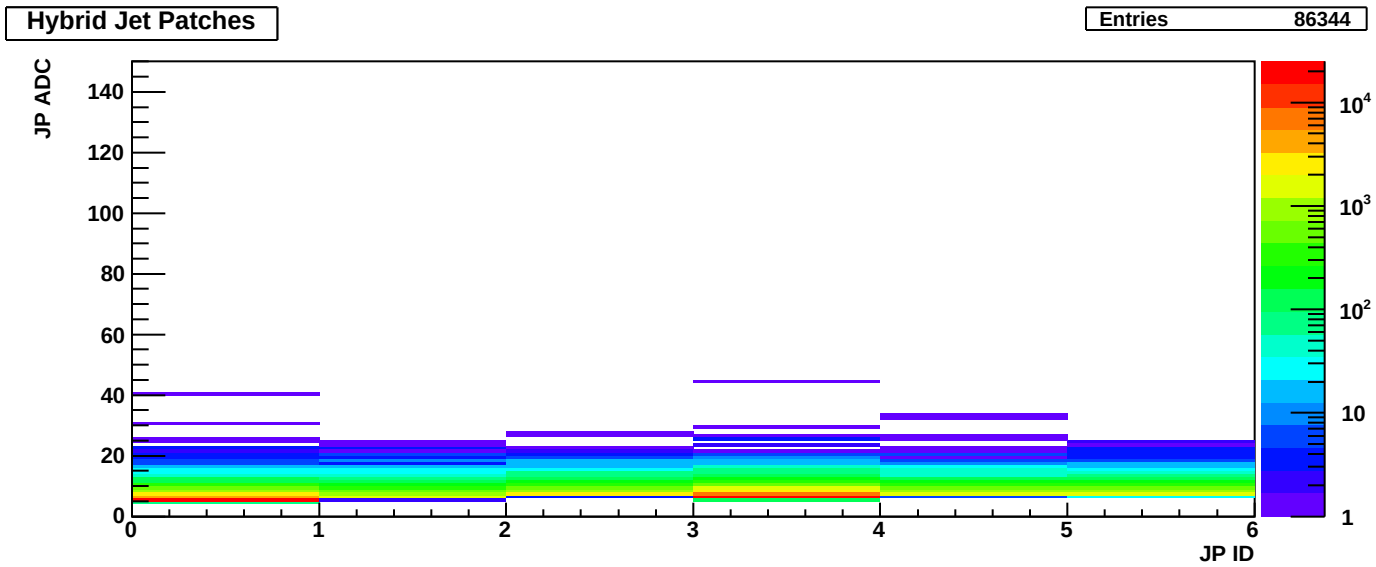

Barrel EMC L0 Input - Patch Sum
Entries 1.29516e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

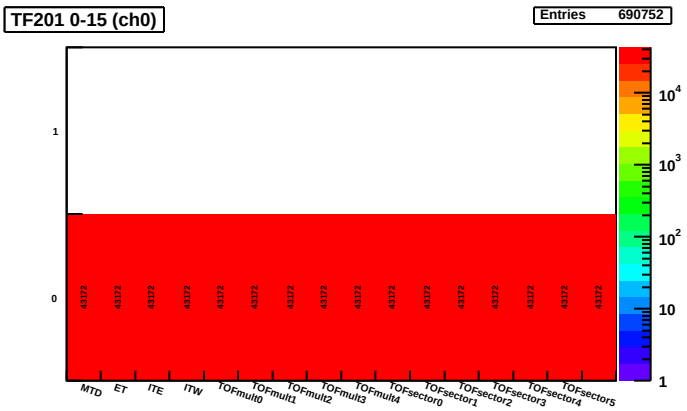

Endcap EMC L0 Input - High Tower
Entries 3885480
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

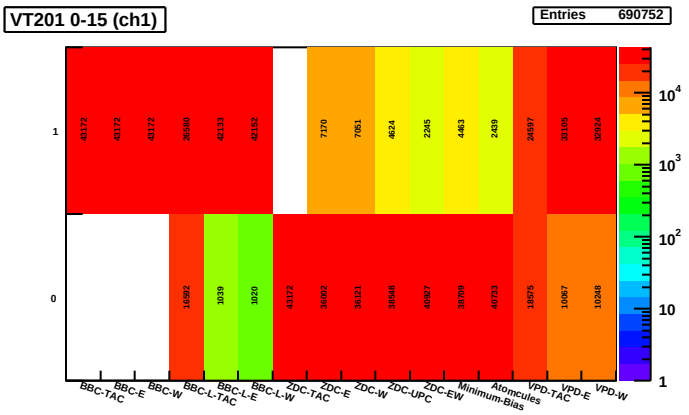

Endcap EMC L0 Input - Patch Sum
Entries 3885480
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

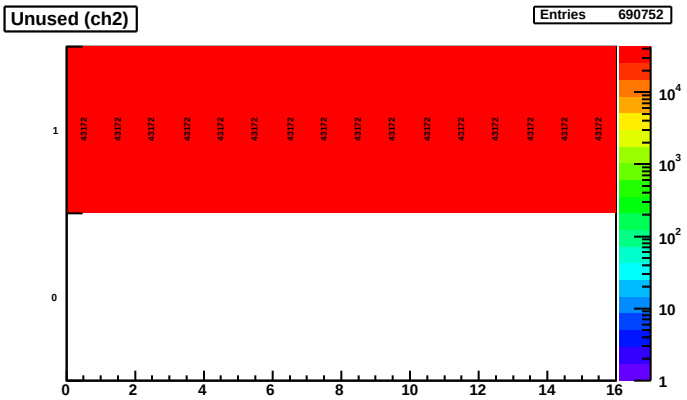

Barrel Jet Patches
Entries 777096
JP ADC
JP ID

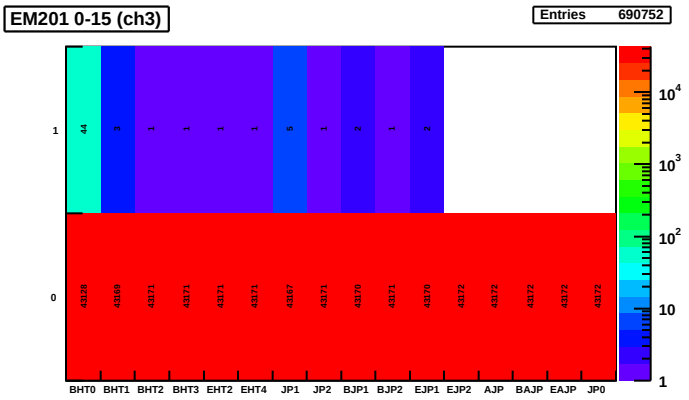

Endcap Jet Patches
Entries 259032
JP ADC
JP ID

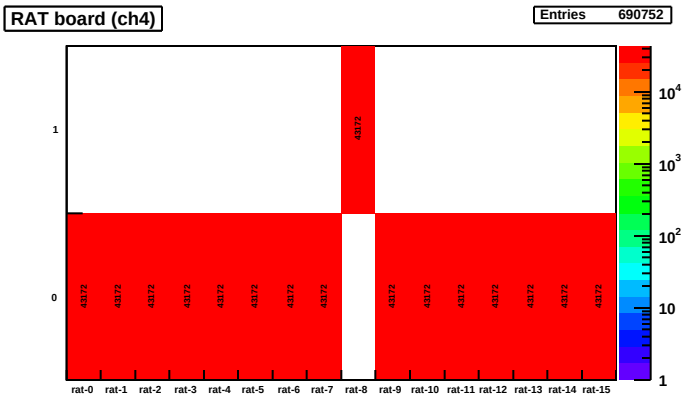

Hybrid Jet Patches
Entries 86344
JP ADC
JP ID

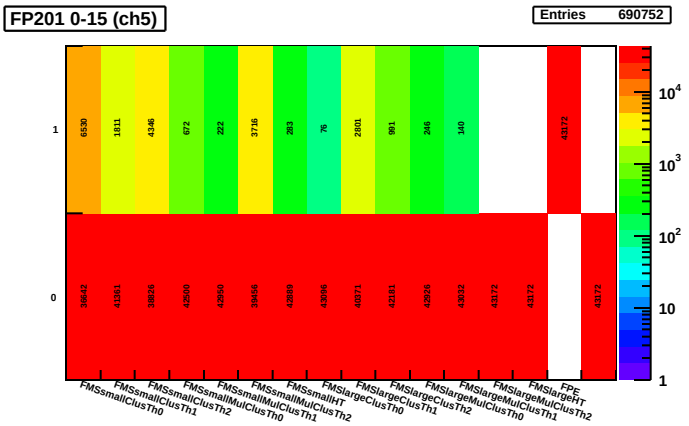

TF201 0-15 (ch0)
Entries 690752
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

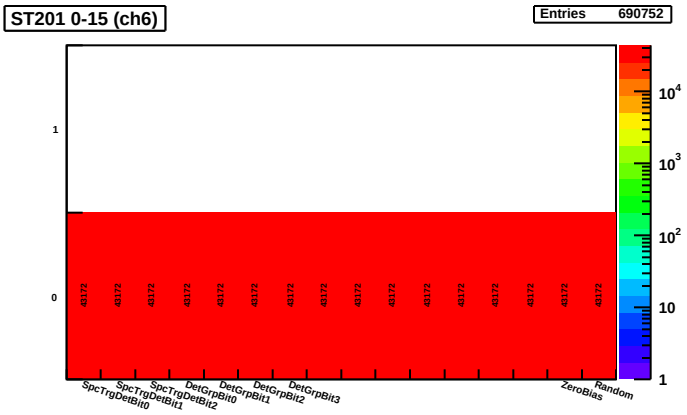

VT201 0-15 (ch1)
Entries 690752
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

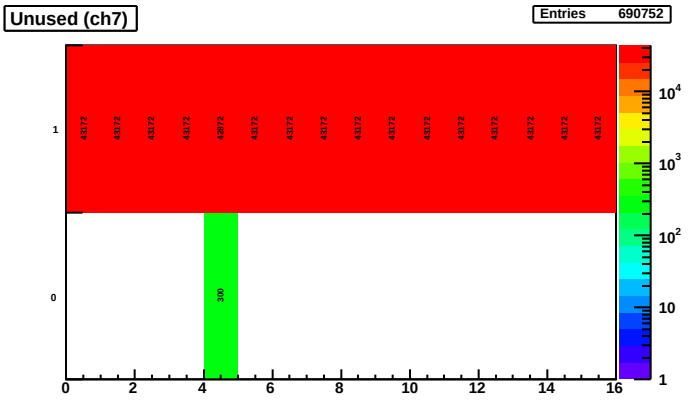

Unused (ch2)
Entries 690752

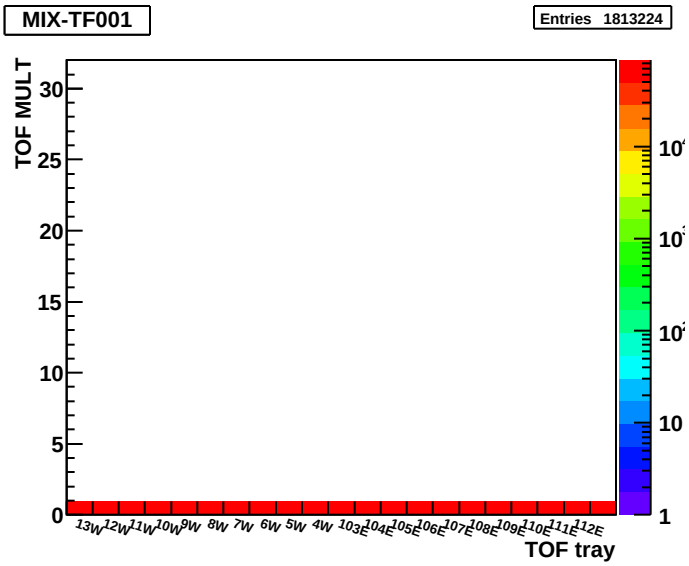

EM201 0-15 (ch3)
Entries 690752
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

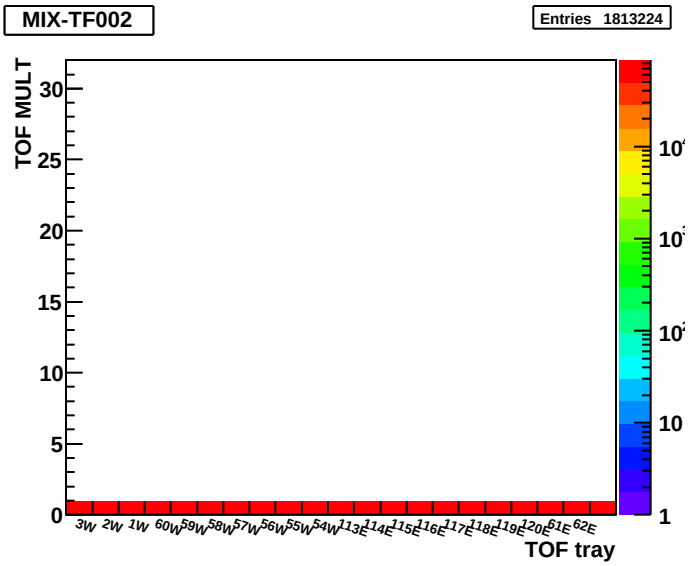

RAT board (ch4)
Entries 690752
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

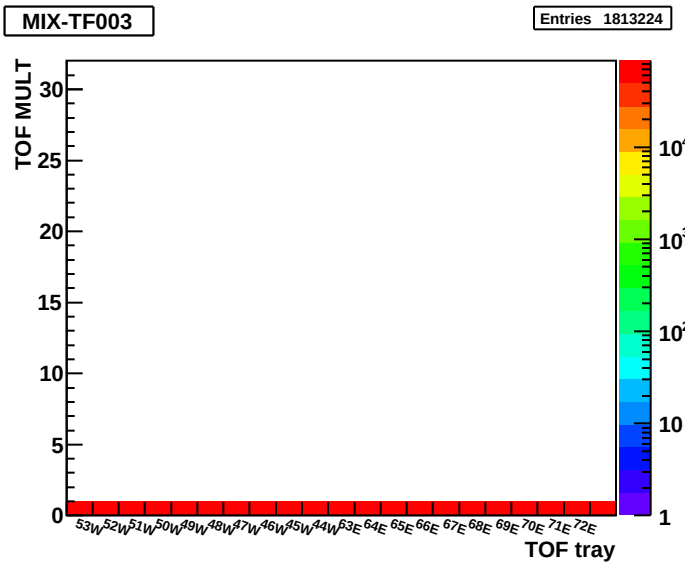

FP201 0-15 (ch5)
Entries 690752
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

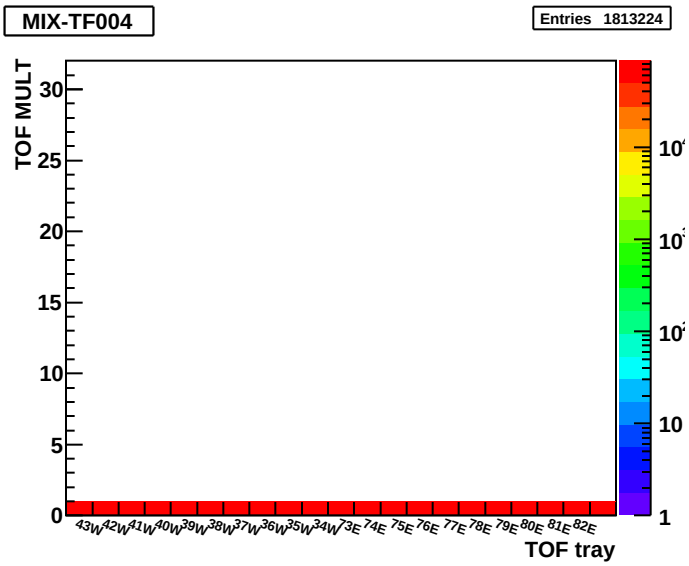

ST201 0-15 (ch6)
Entries 690752
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

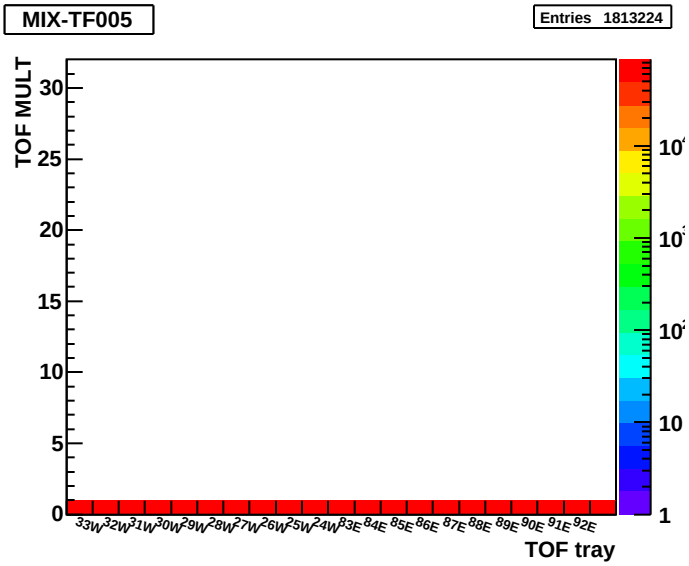

Unused (ch7)
Entries 690752

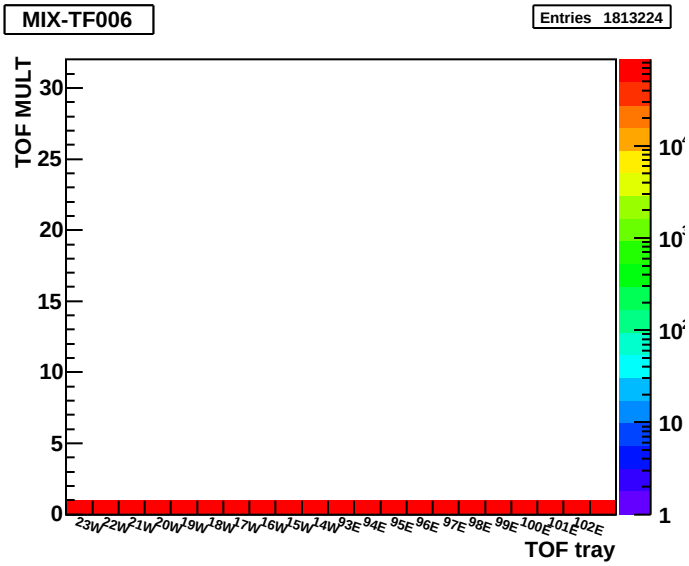

MIX-TF001
Entries 1813224
TOF MULT
TOF tray

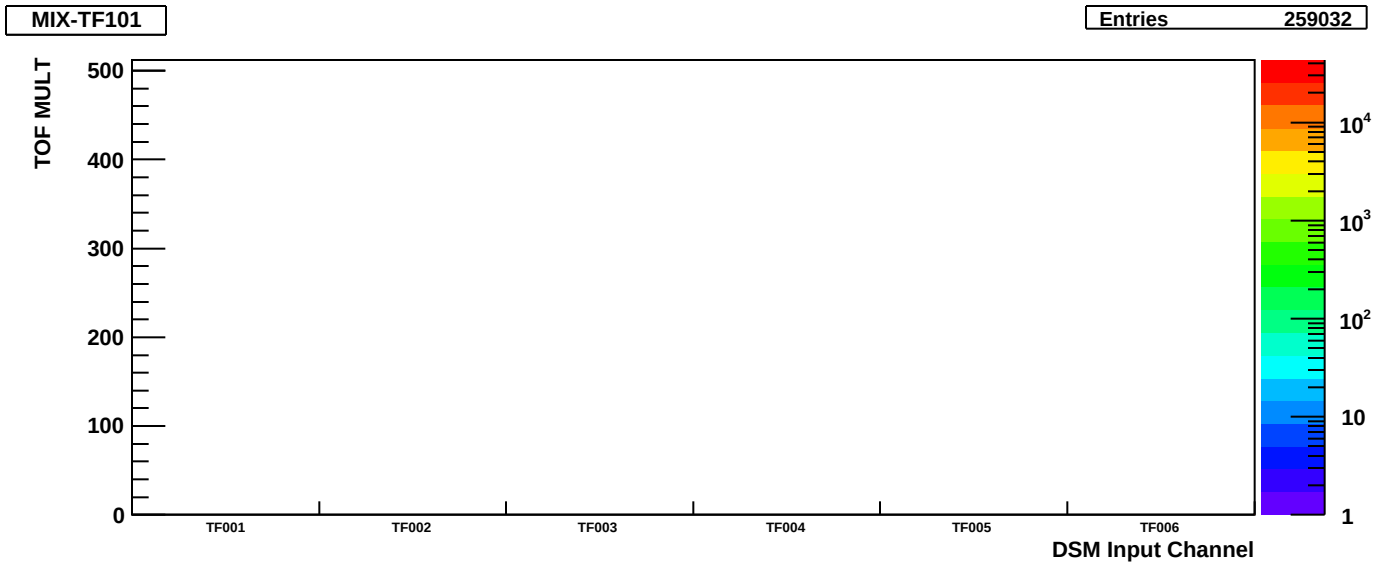

MIX-TF002
Entries 1813224
TOF MULT
TOF tray

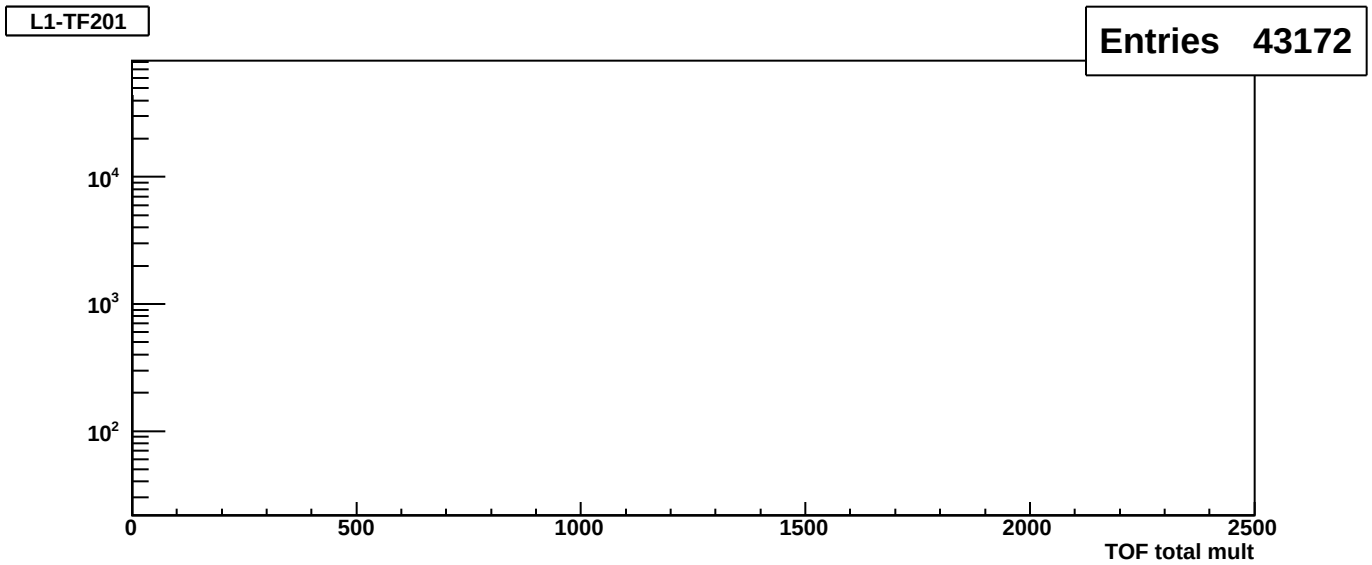

MIX-TF003
Entries 1813224
TOF MULT
TOF tray

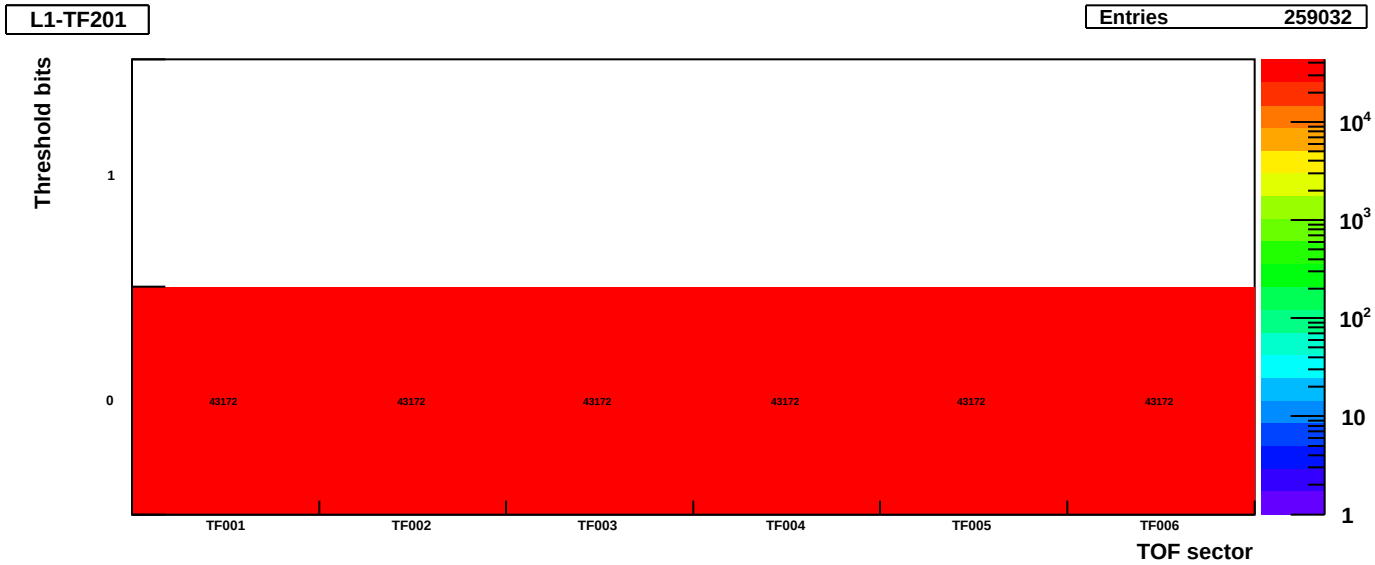

MIX-TF004
Entries 1813224
TOF MULT
TOF tray

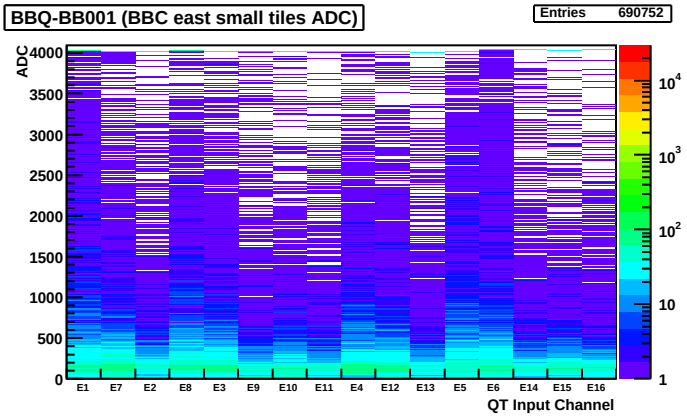

MIX-TF005
Entries 1813224
TOF MULT
TOF tray

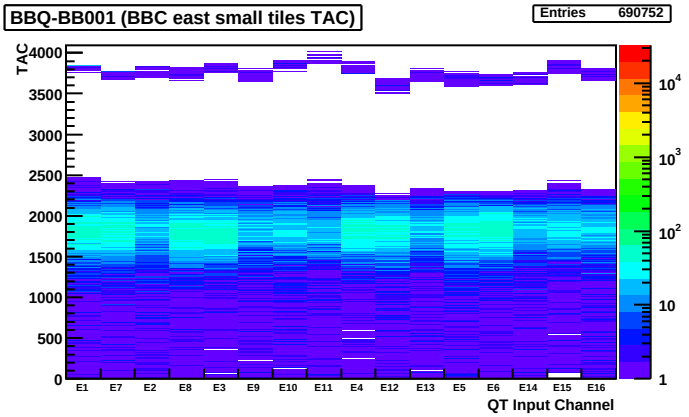

MIX-TF006
Entries 1813224
TOF MULT
TOF tray

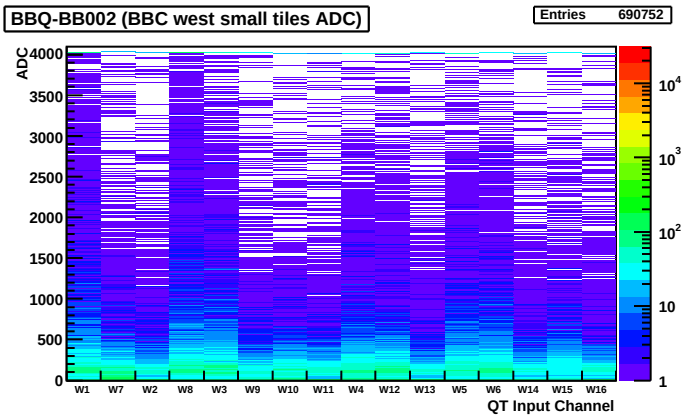

MIX-TF101
Entries 259032
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

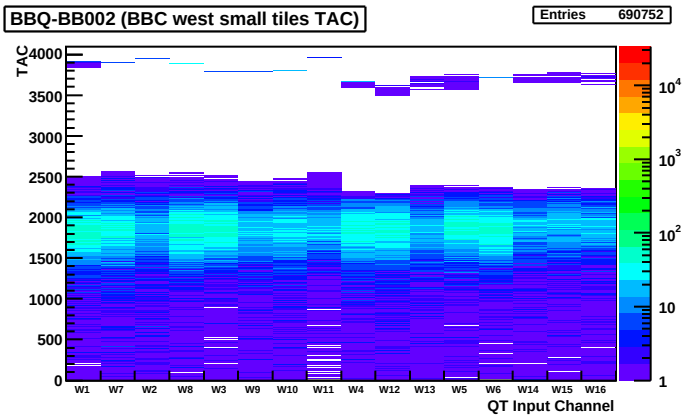

L1-TF201
Entries 43172
10^4
10^3
10^2
0
500
1000
1500
2000
2500
TOF total mult

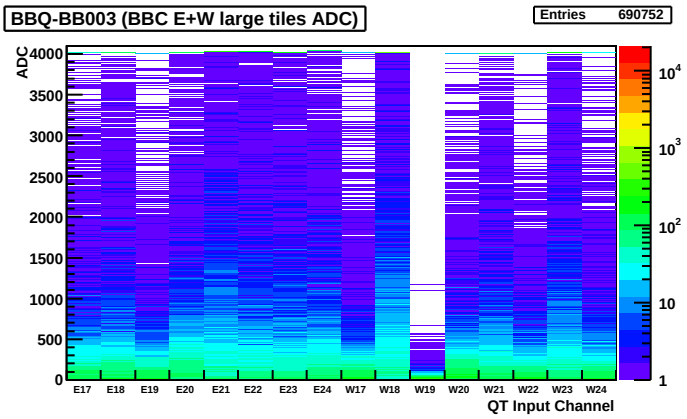

L1-TF201
Entries 259032
Threshold bits
1
0
43172
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4
10^3
10^2
10
1

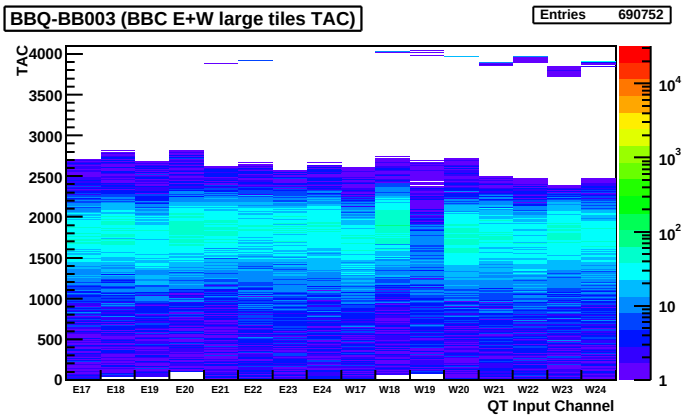

BBQ-BB001 (BBC east small tiles ADC)
Entries 690752
ADC
QT Input Channel

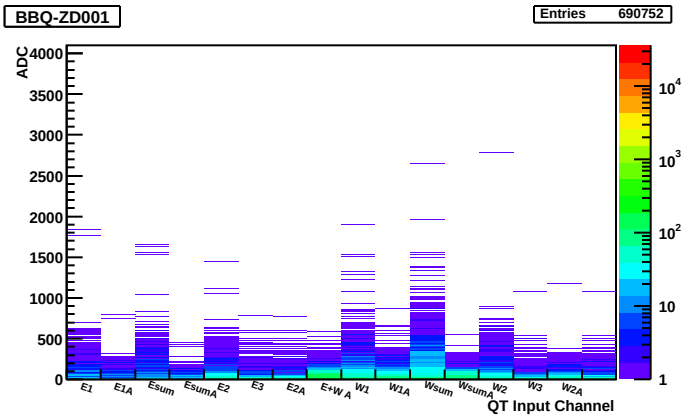

BBQ-BB001 (BBC east small tiles TAC)
Entries 690752
TAC
QT Input Channel

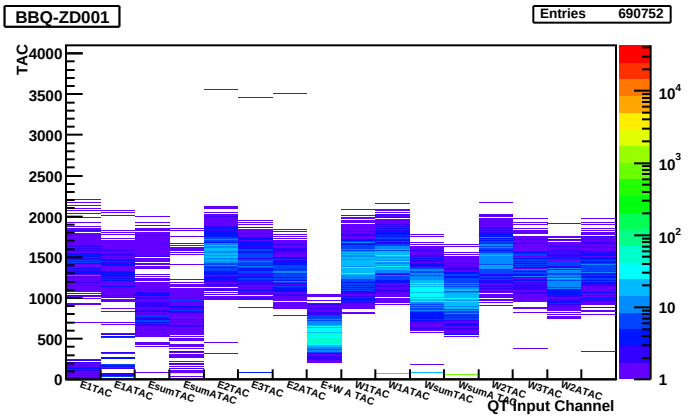

BBQ-BB002 (BBC west small tiles ADC)
Entries 690752
ADC
QT Input Channel

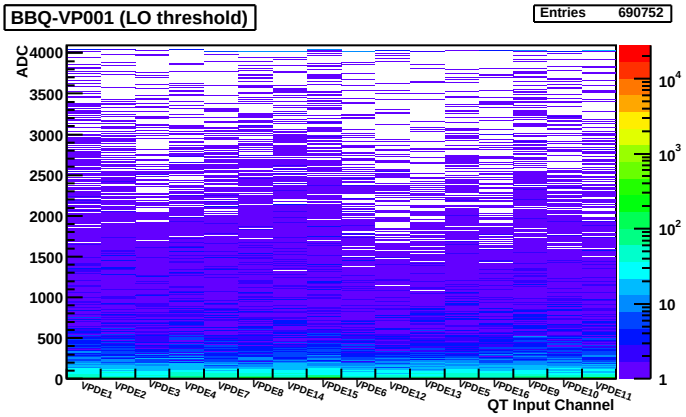

BBQ-BB002 (BBC west small tiles TAC)
Entries 690752
TAC
QT Input Channel

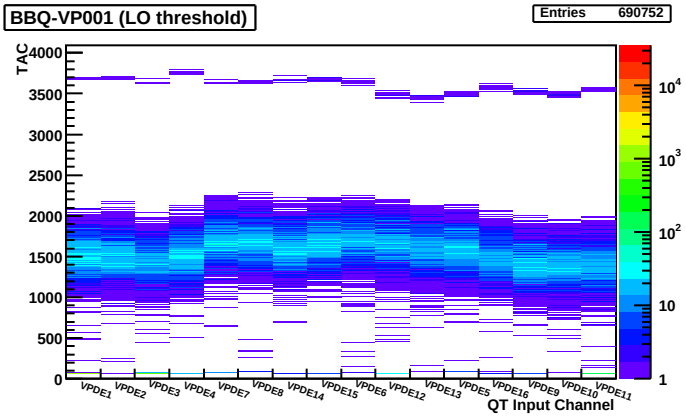

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 690752
ADC
QT Input Channel

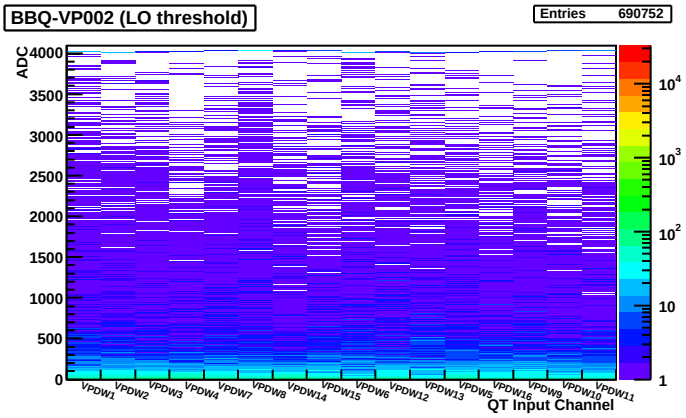

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 690752
TAC
QT Input Channel

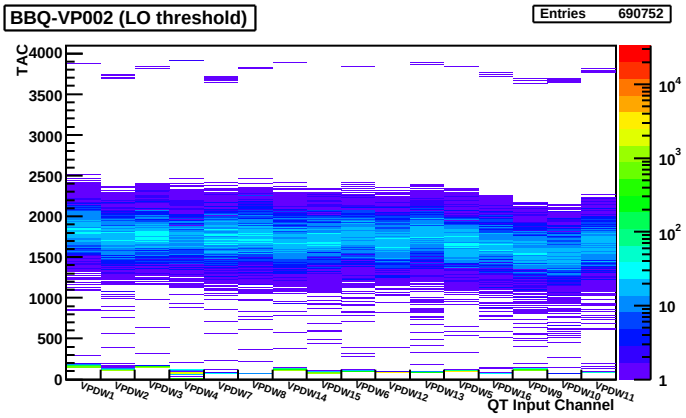

BBQ-ZD001
Entries 690752
ADC
QT Input Channel

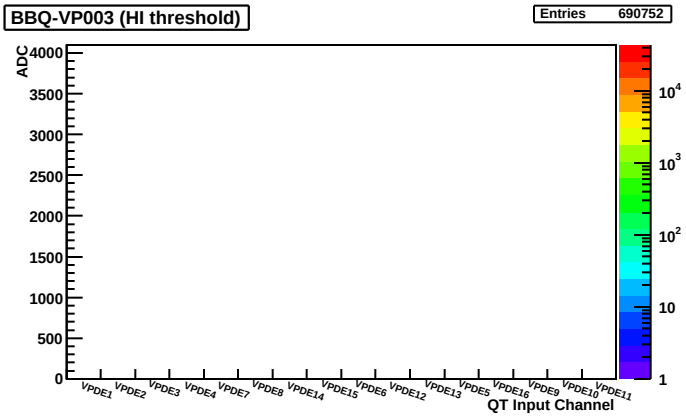

BBQ-ZD001
Entries 690752
TAC
QT Input Channel

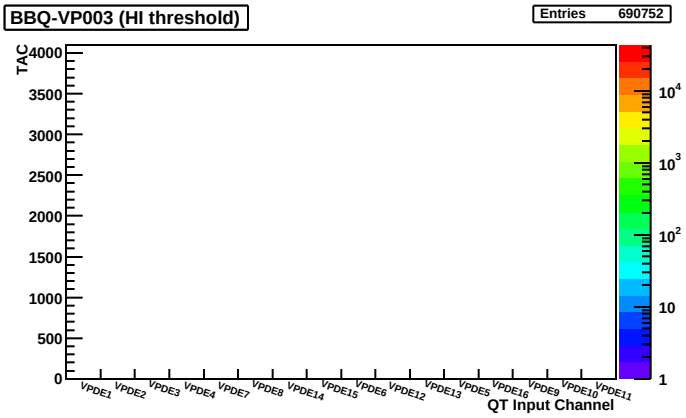

BBQ-VP001 (LO threshold)
Entries 690752
ADC
QT Input Channel

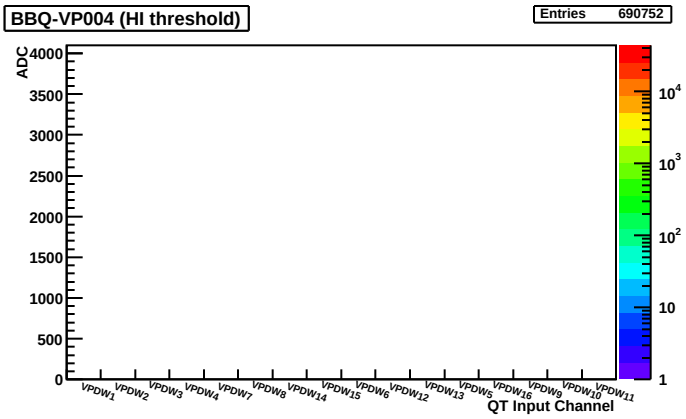

BBQ-VP001 (LO threshold)
Entries 690752
TAC
QT Input Channel

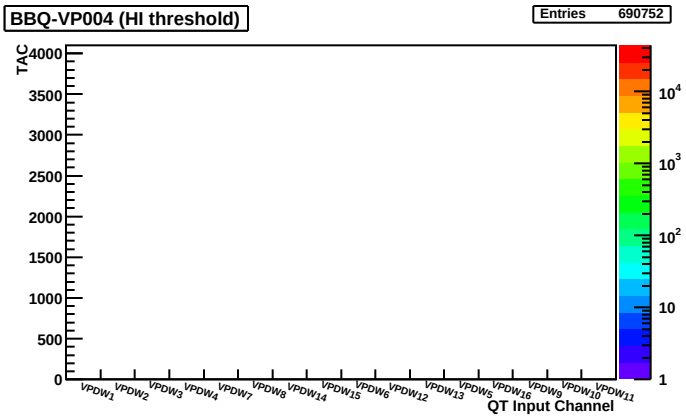

BBQ-VP002 (LO threshold)
Entries 690752
ADC
QT Input Channel

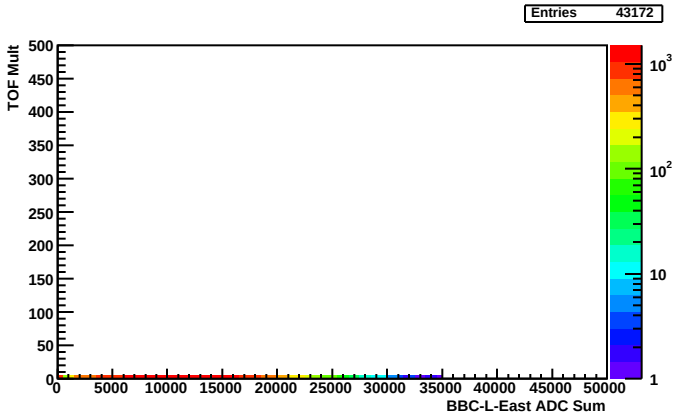

BBQ-VP002 (LO threshold)
Entries 690752
TAC
QT Input Channel

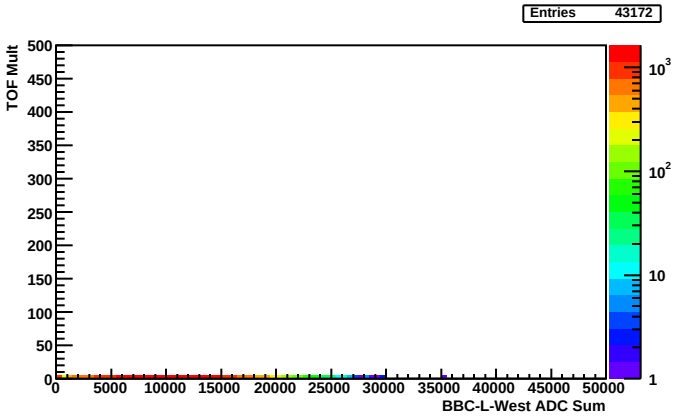

BBQ-VP003 (HI threshold)
Entries 690752
ADC
QT Input Channel

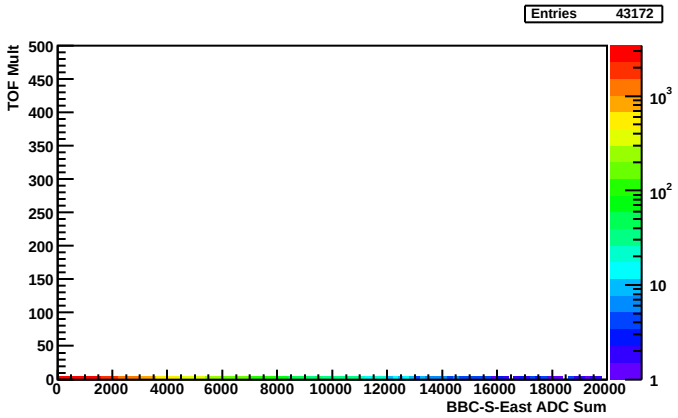

BBQ-VP003 (HI threshold)
Entries 690752
TAC
QT Input Channel

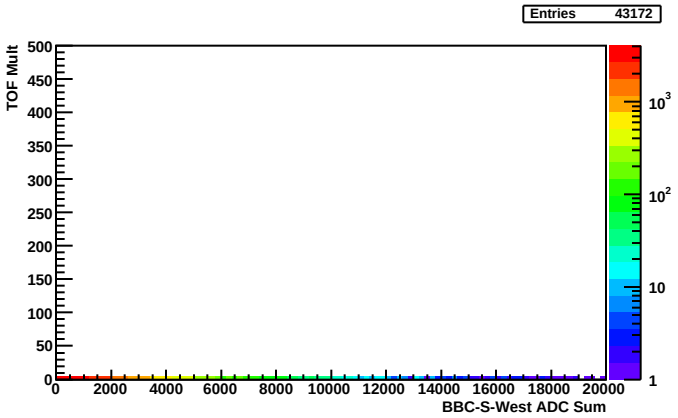

BBQ-VP004 (HI threshold)
Entries 690752
ADC
QT Input Channel

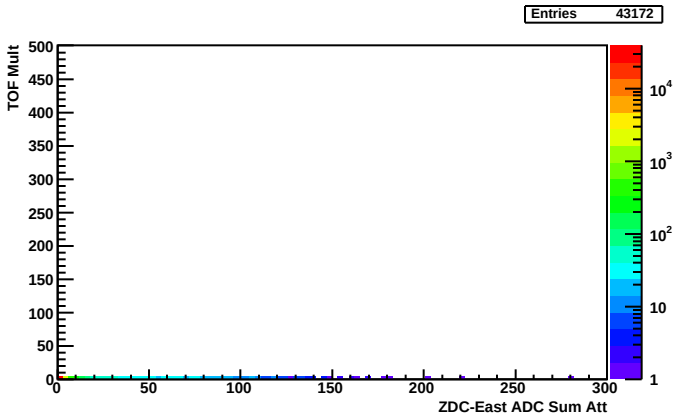

BBQ-VP004 (HI threshold)
Entries 690752
TAC
QT Input Channel

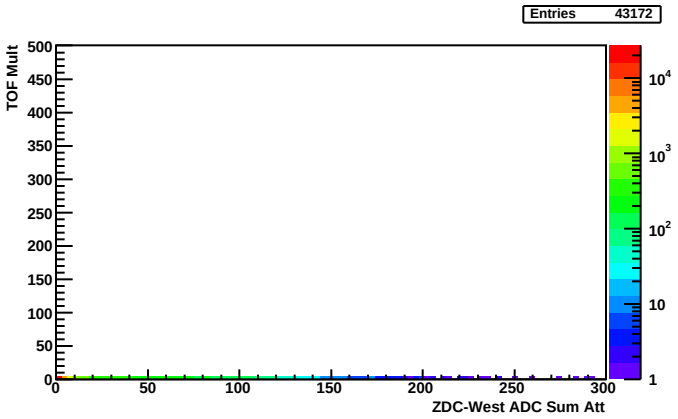

Entries 43172
TOF Mult
BBC-L-East ADC Sum

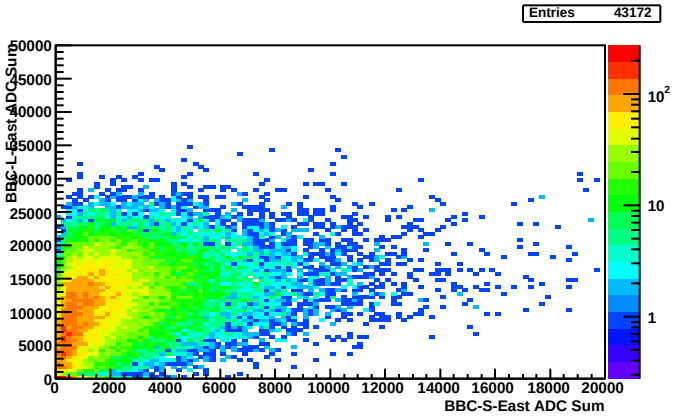

Entries 43172
TOF Mult
BBC-L-West ADC Sum

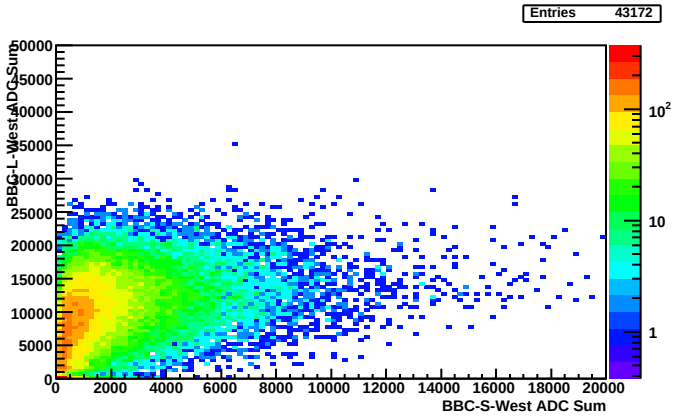

Entries 43172
TOF Mult
BBC-S-East ADC Sum

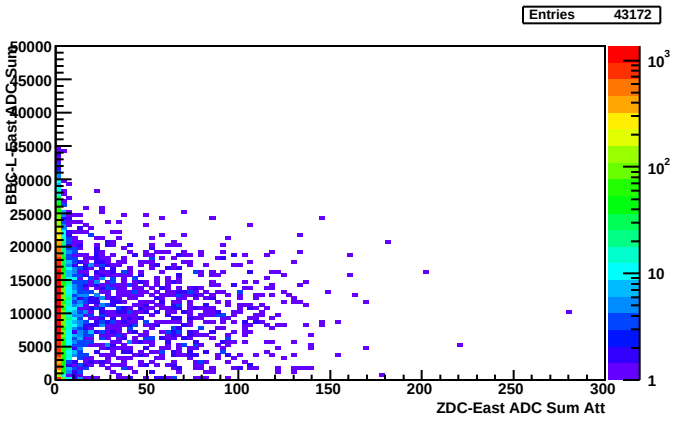

Entries 43172
TOF Mult
BBC-S-West ADC Sum

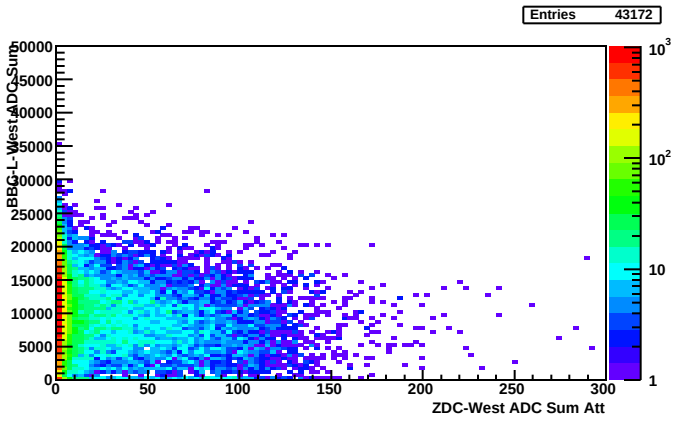

Entries 43172
TOF Mult
ZDC-East ADC Sum Att

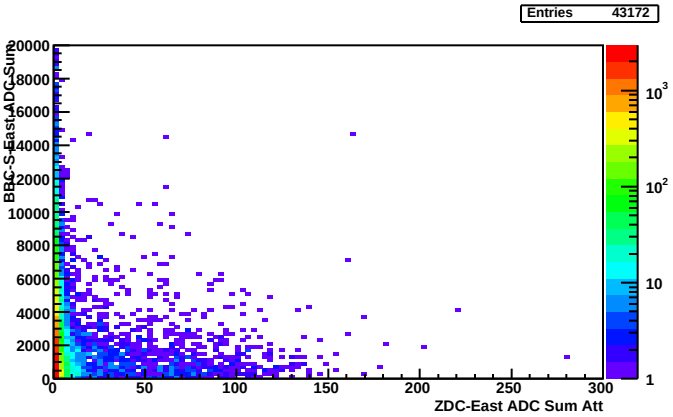

Entries 43172
TOF Mult
ZDC-West ADC Sum Att

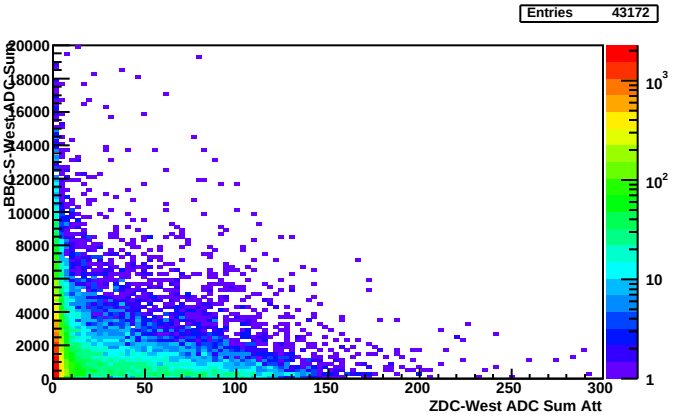

Entries 43172
BBC-L-East ADC Sum
BBC-S-East ADC Sum

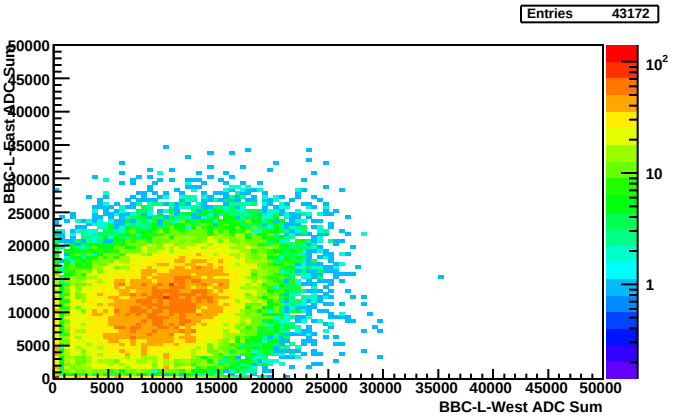

Entries 43172
BBC-L-West ADC Sum
BBC-S-West ADC Sum

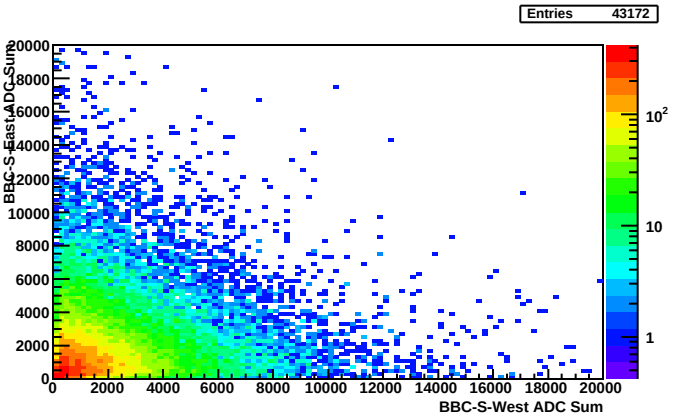

Entries 43172
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

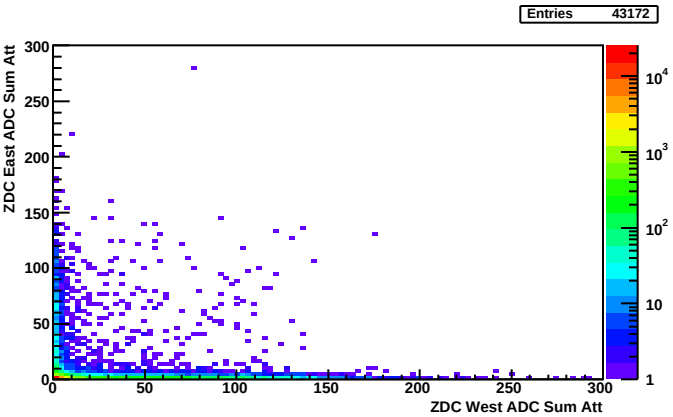

Entries 43172
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

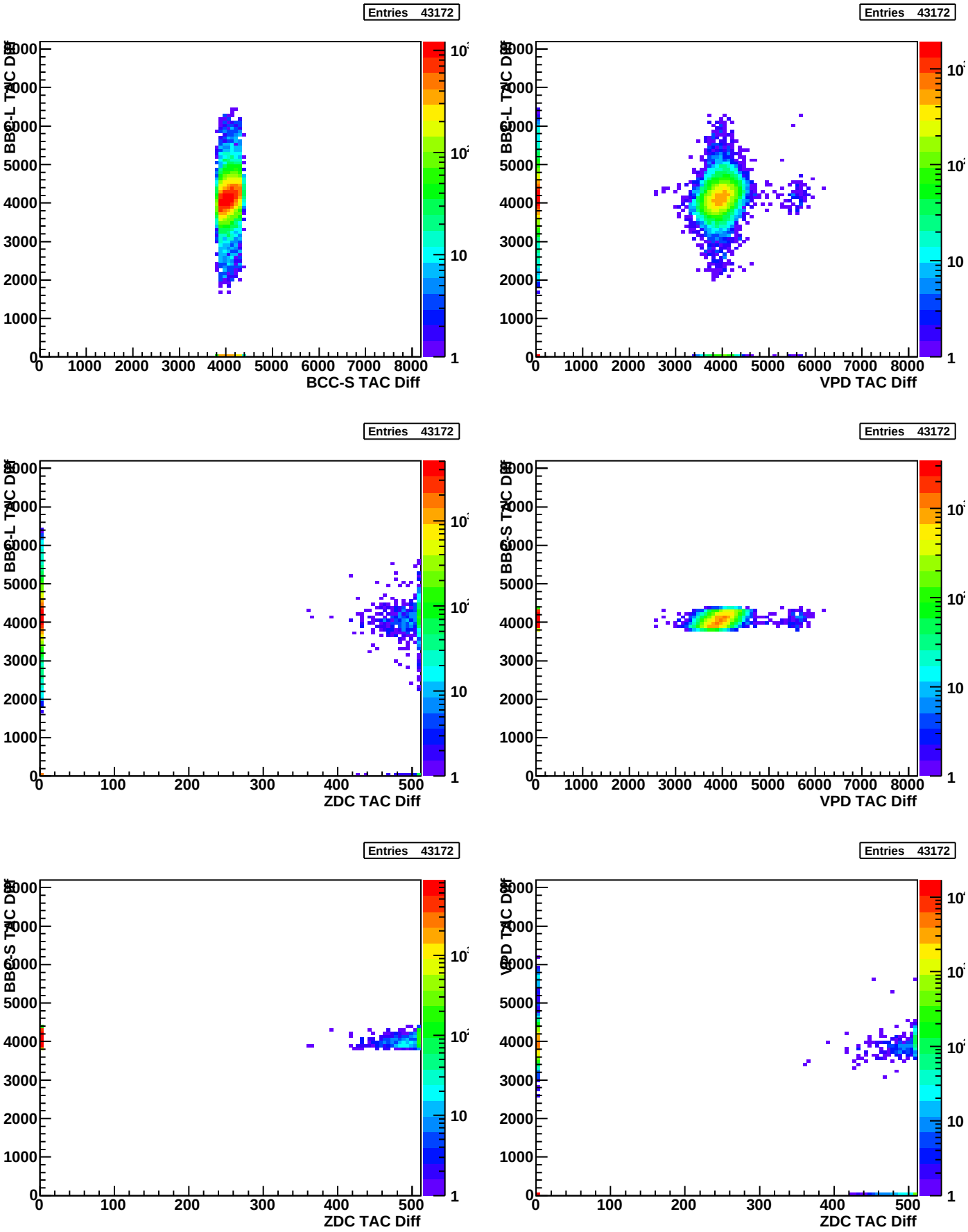

Entries 43172
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

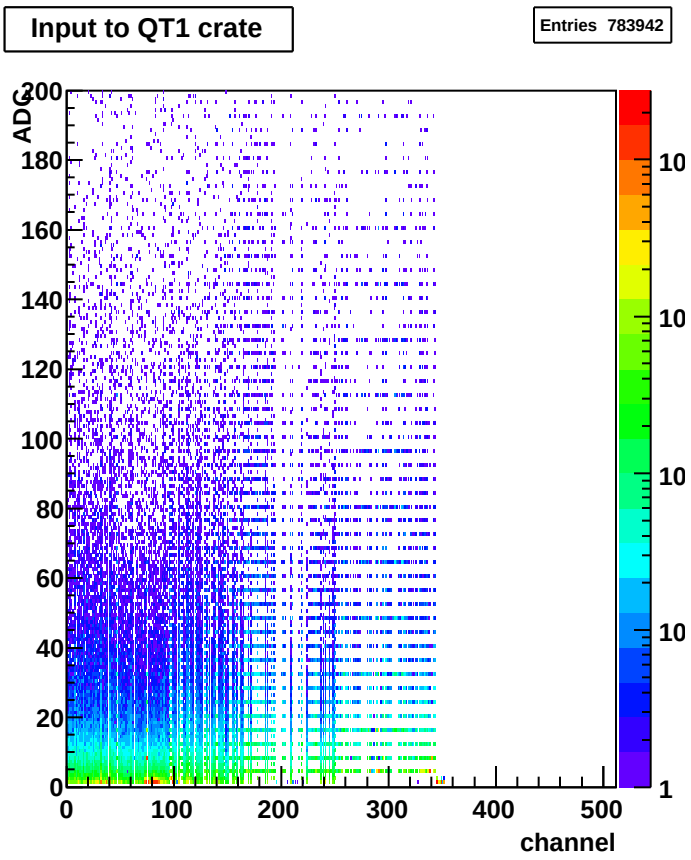

Entries 43172
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

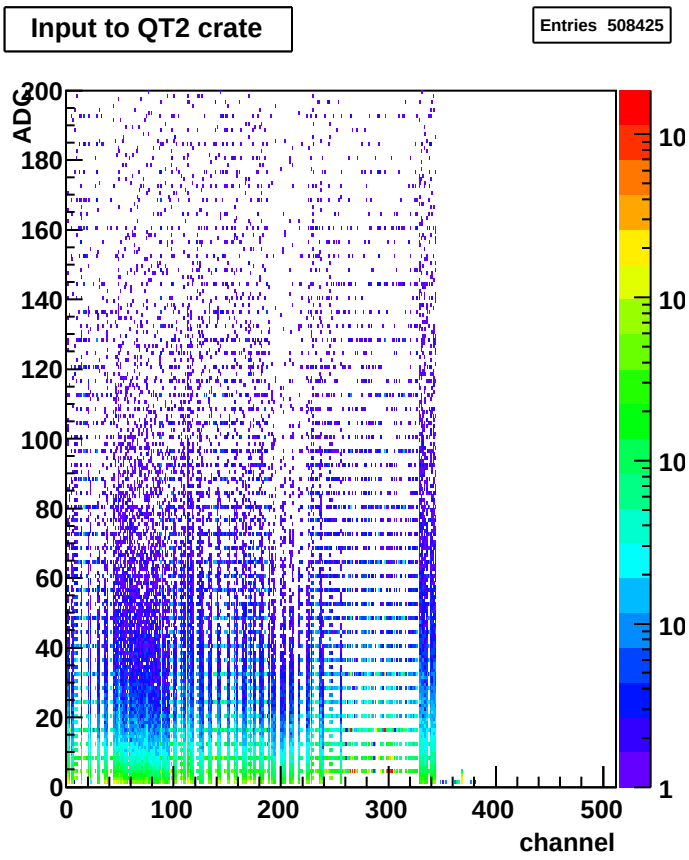

Entries 43172
BBC-L-East ADC Sum
BBC-L-West ADC Sum

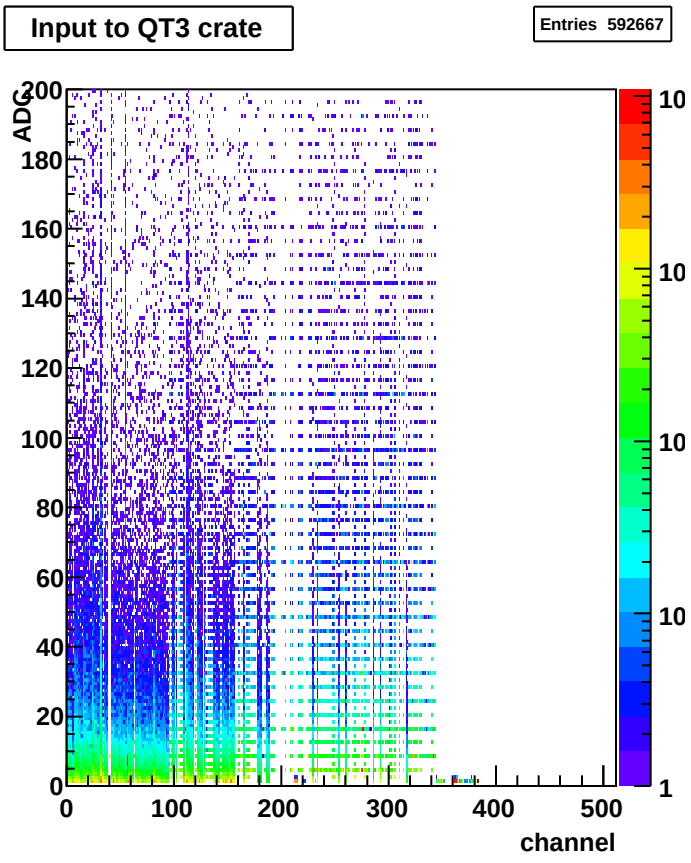

Entries 43172
BBC-S-East ADC Sum
BBC-S-West ADC Sum

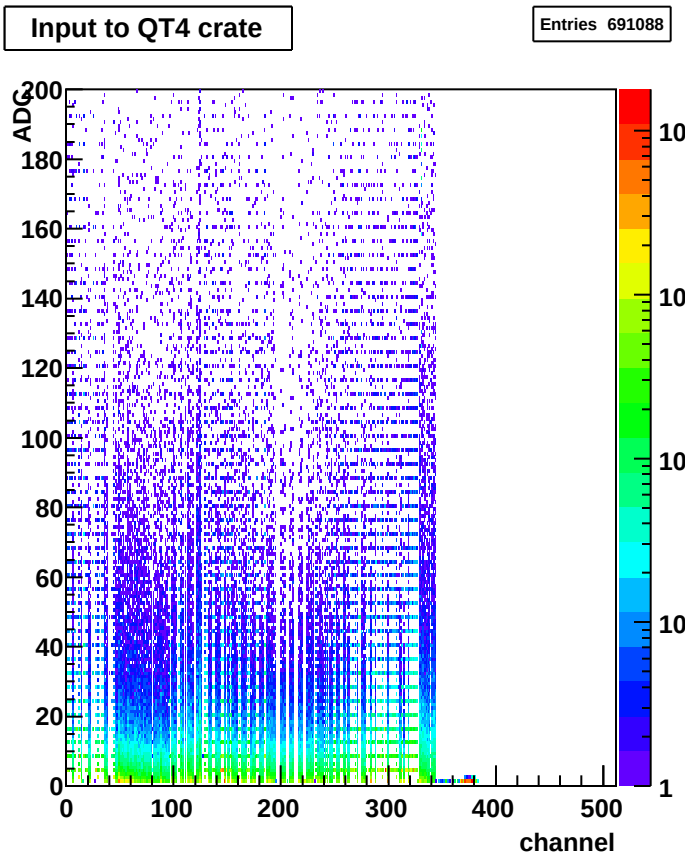

Entries 43172
ZDC East ADC Sum Att
ZDC West ADC Sum Att

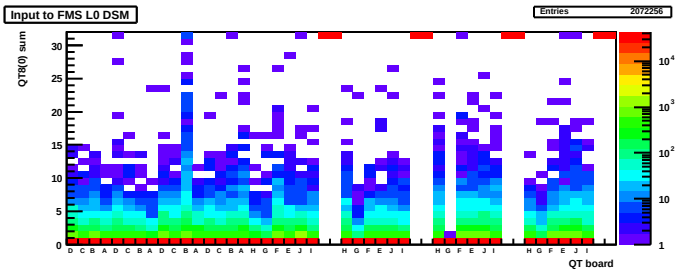

Entries 43172
BBC-L TAC Diff
BCC-S TAC Diff
Entries 43172
BBC-L TAC Diff
VPD TAC Diff
Entries 43172
BBC-L TAC Diff
ZDC TAC Diff
Entries 43172
BBC-S TAC Diff
VPD TAC Diff
Entries 43172
BBC-S TAC Diff
ZDC TAC Diff
Entries 43172
VPD TAC Diff
ZDC TAC Diff

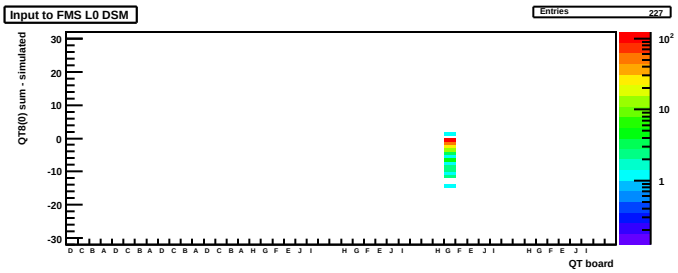

Input to QT1 crate
Entries 783942
ADC
channel

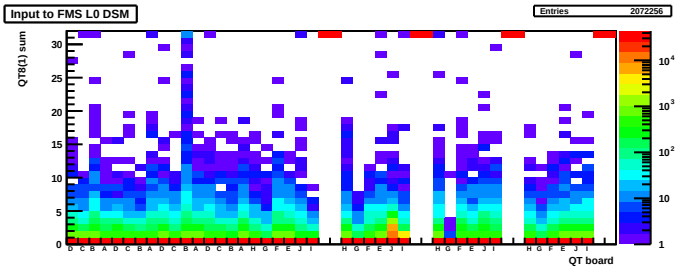

Input to QT2 crate
Entries 508425
ADC
channel

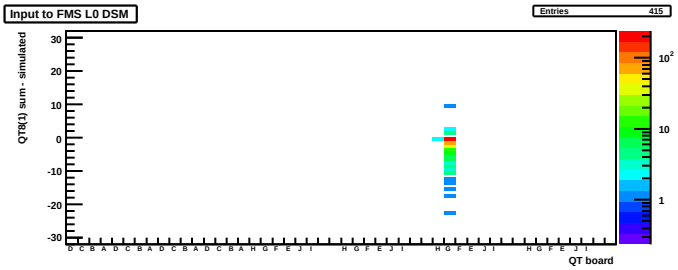

Input to QT3 crate
Entries 592667
ADC
channel

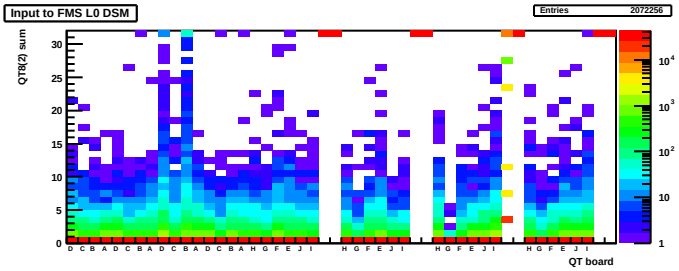

Input to QT4 crate
Entries 691088
ADC
channel

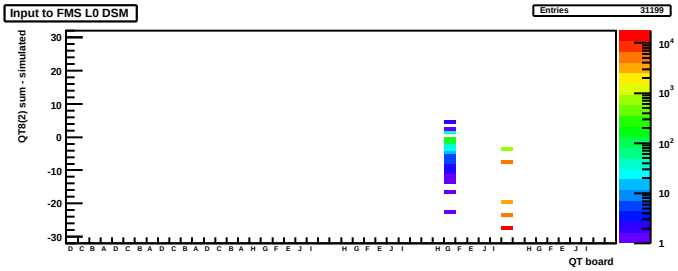

Input to FMS L0 DSM
Entries 2072256
QT8(0) sum
QT board

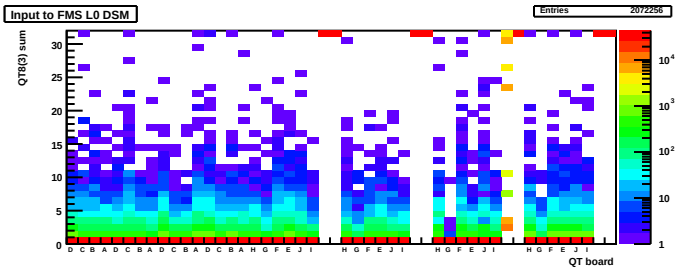

Input to FMS L0 DSM
Entries 227
QT8(0) sum - simulated
QT board

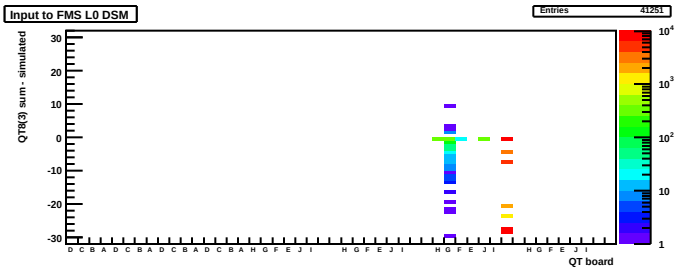

Input to FMS L0 DSM
Entries 2072256
QT8(1) sum
QT board

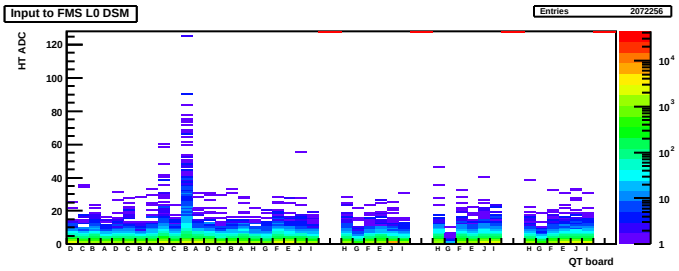

Input to FMS L0 DSM
Entries 415
QT8(1) sum - simulated
QT board

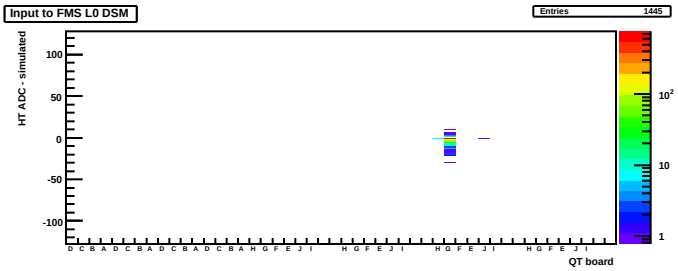

Input to FMS L0 DSM
Entries 2072256
QT8(2) sum
QT board

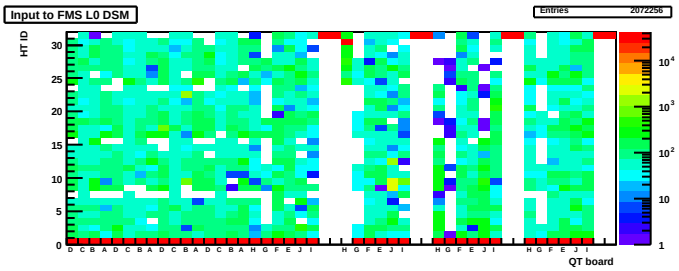

Input to FMS L0 DSM
Entries 31199
QT8(2) sum - simulated
QT board

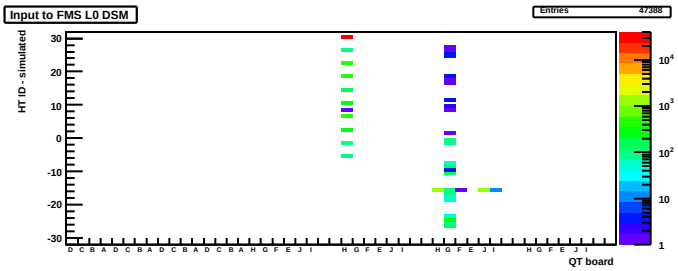

Input to FMS L0 DSM
Entries 2072256
QT8(3) sum
QT board

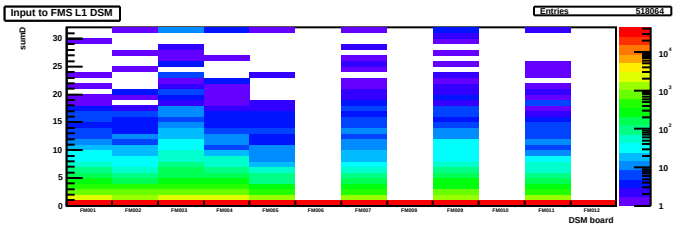

Input to FMS L0 DSM
Entries 41251
QT8(3) sum - simulated
QT board

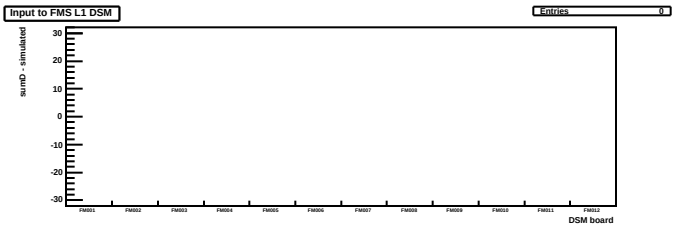

Input to FMS L0 DSM
Entries 2072256
HT ADC
QT board

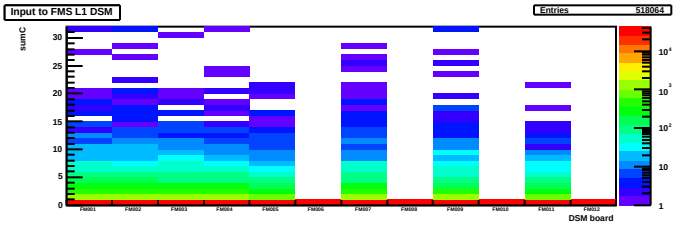

Input to FMS L0 DSM
Entries 1445
HT ADC - simulated
QT board

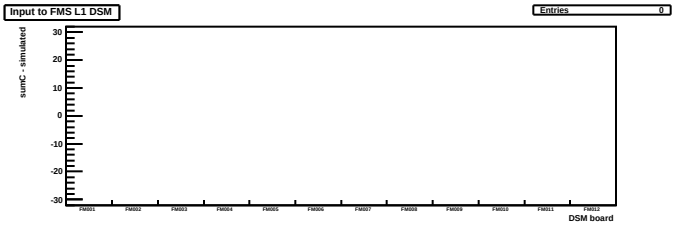

Input to FMS L0 DSM
Entries 2072256
HT ID
QT board

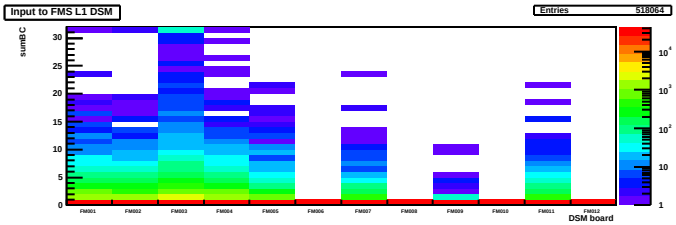

Input to FMS L0 DSM
Entries 47388
HT ID - simulated
QT board

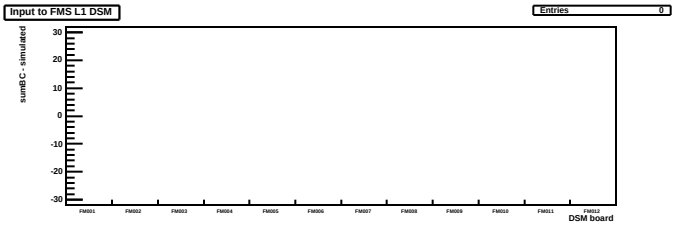

Input to FMS L1 DSM
Entries 518064
sumD
DSM board

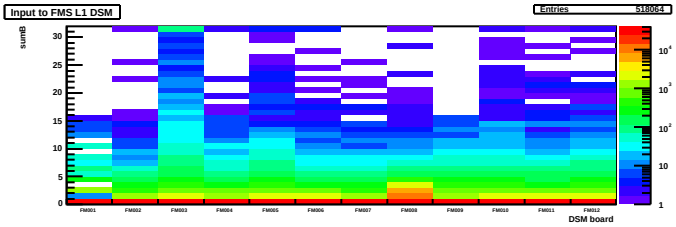

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

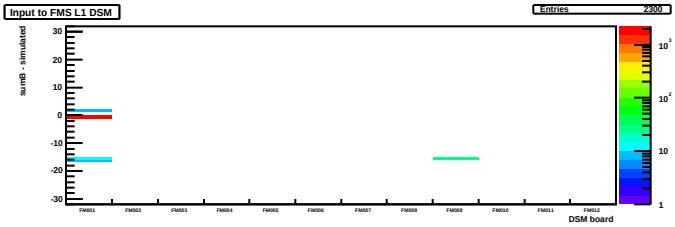

Input to FMS L1 DSM
Entries 518064
sumC
DSM board

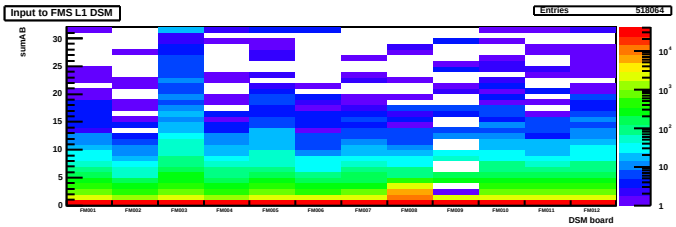

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

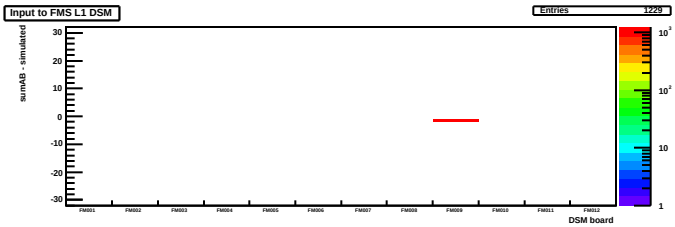

Input to FMS L1 DSM
Entries 518064
sumBC
DSM board

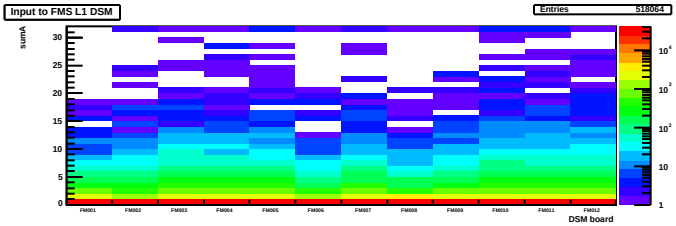

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

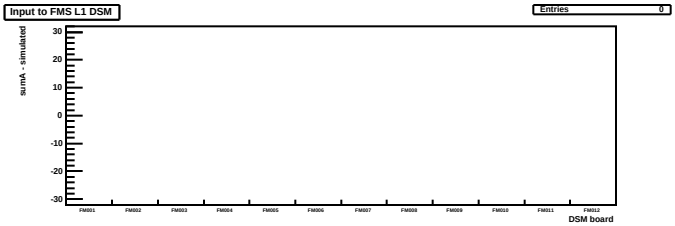

Input to FMS L1 DSM
Entries 518064
sumB
DSM board

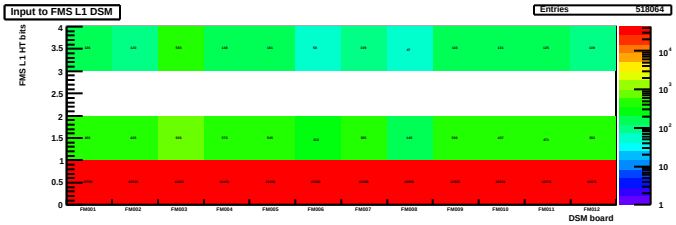

Input to FMS L1 DSM
Entries 2300
sumB - simulated
DSM board

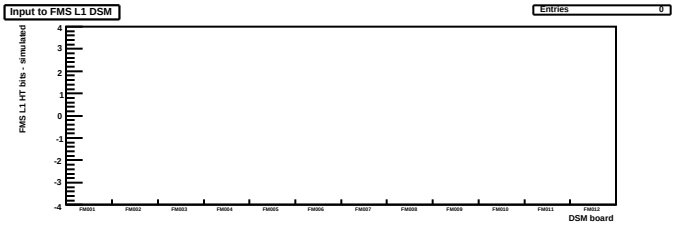

Input to FMS L1 DSM
Entries 518064
sumAB
DSM board

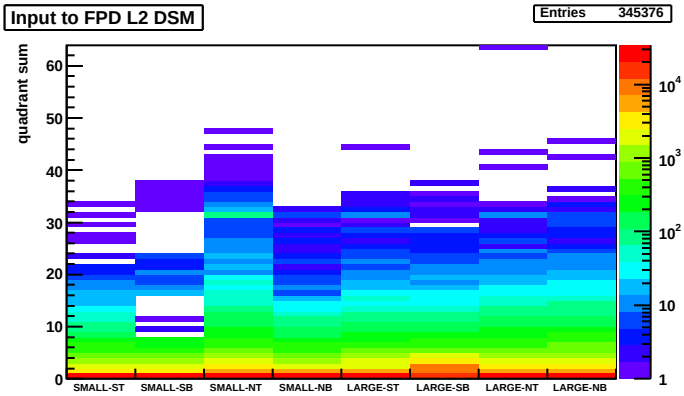

Input to FMS L1 DSM
Entries 1229
sumAB - simulated
DSM board

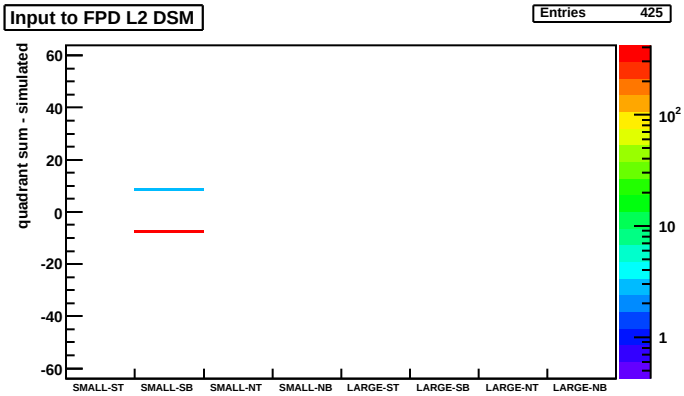

Input to FMS L1 DSM
Entries 518064
sumA
DSM board

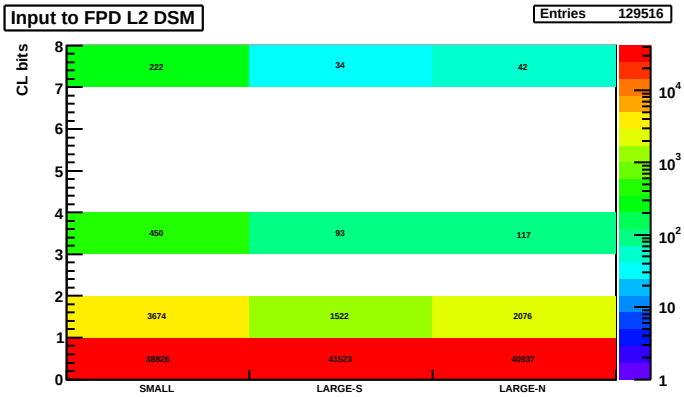

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

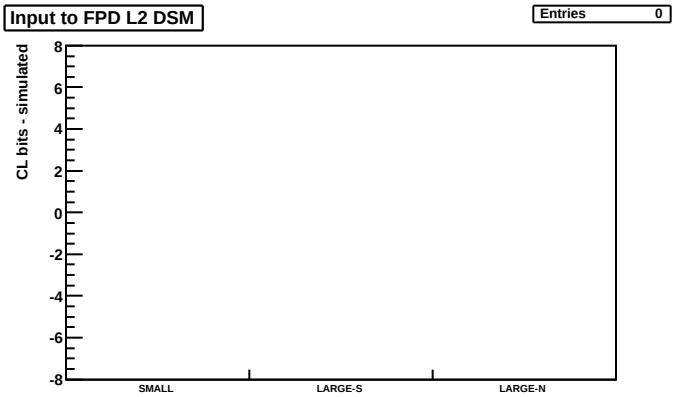

Input to FMS L1 DSM
Entries 518064
FMS L1 HT bits
DSM board

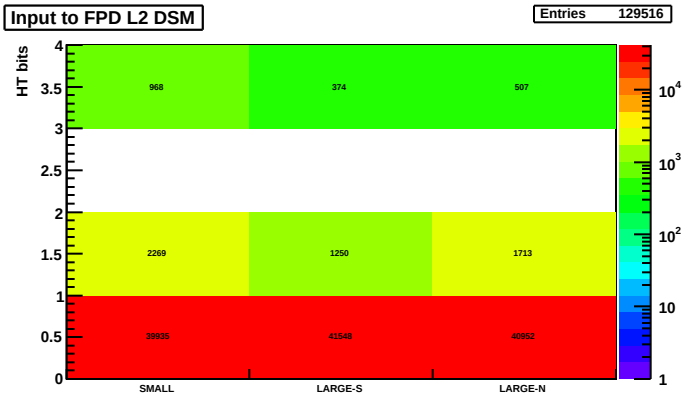

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

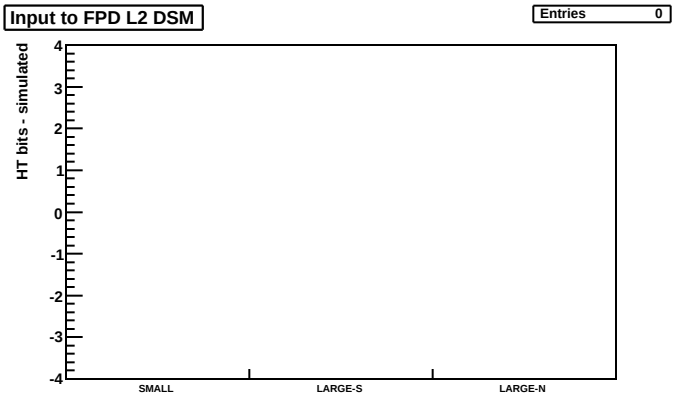

Input to FPD L2 DSM
Entries 345376
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

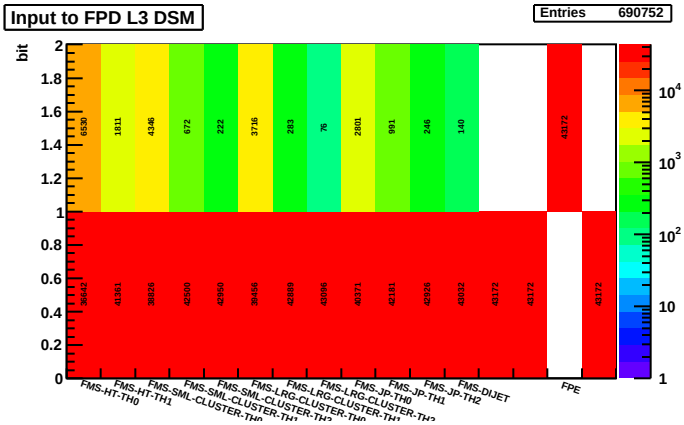

Input to FPD L2 DSM
Entries 425
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

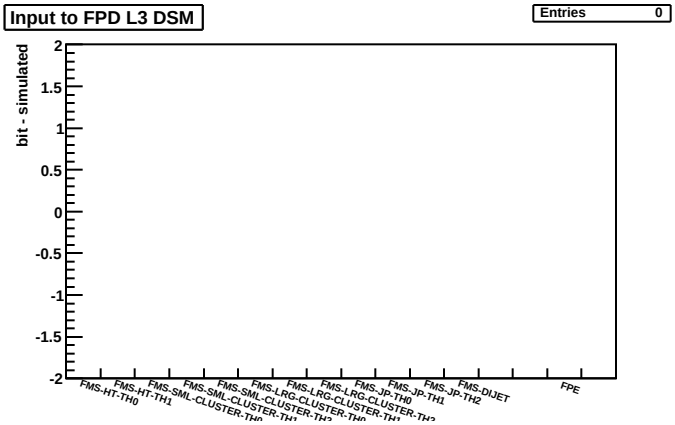

Input to FPD L2 DSM
Entries 129516
CL bits
222
34
42
450
93
117
3674
1522
2076
38826
41523
40937
SMALL
LARGE-S
LARGE-N

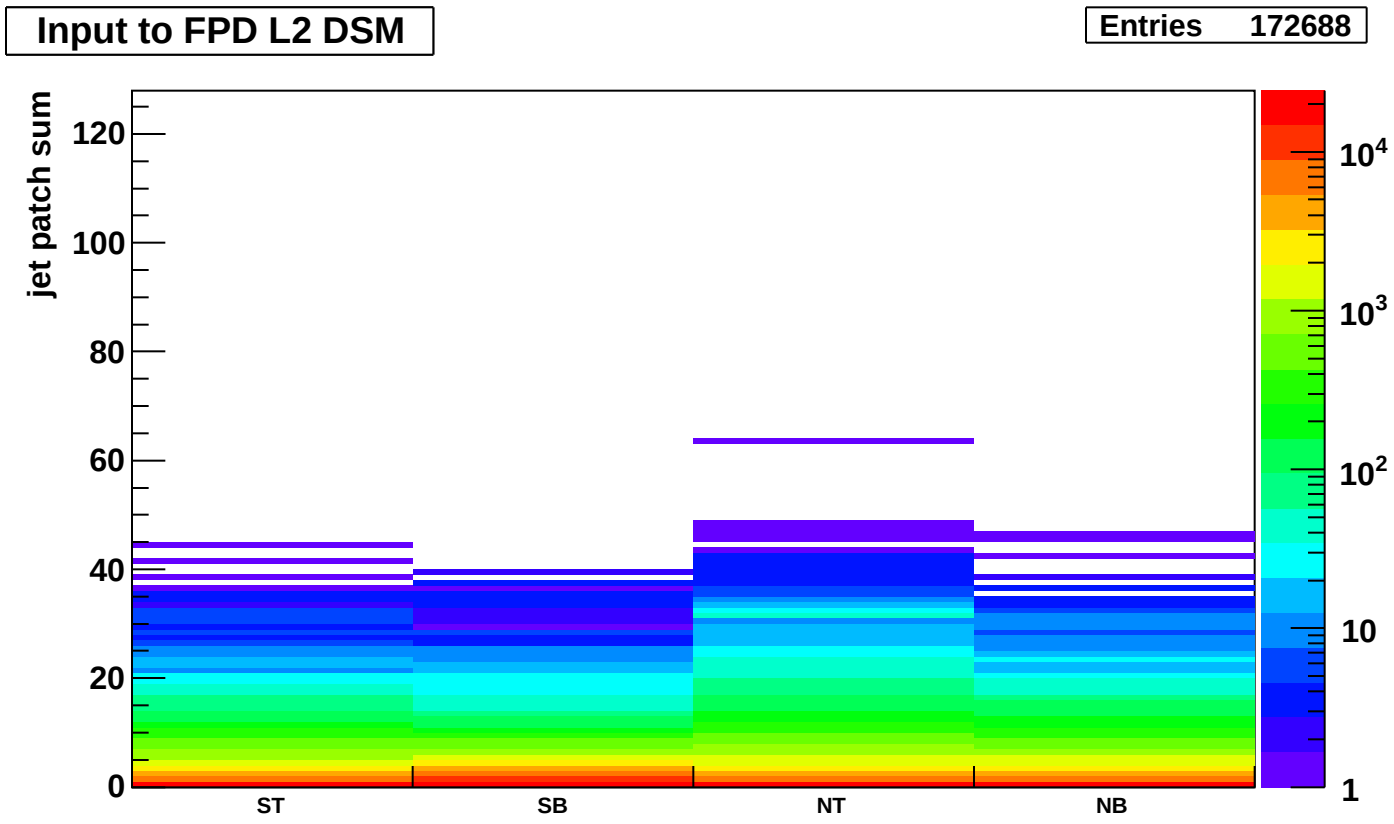

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

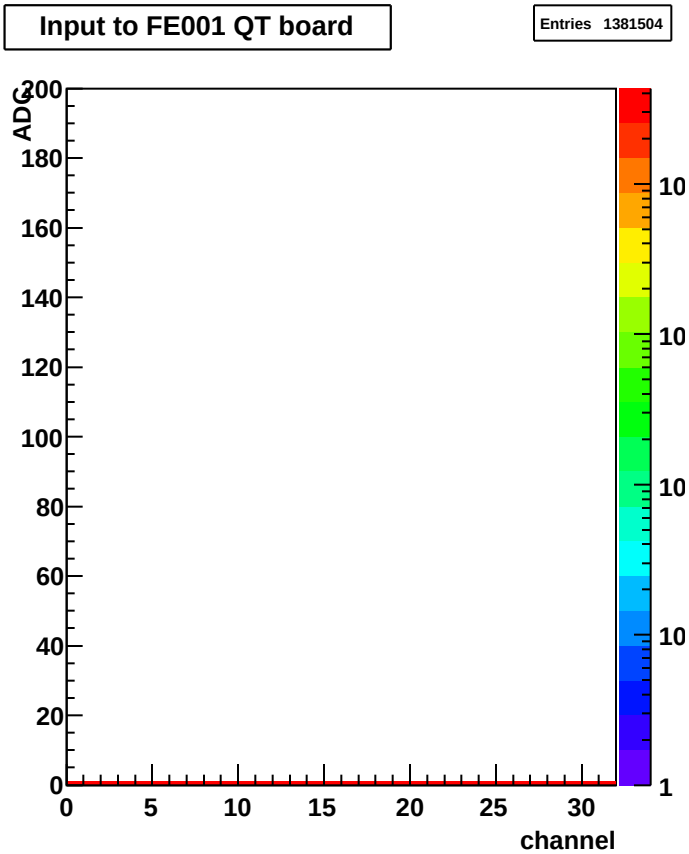

Input to FPD L2 DSM
Entries 129516
HT bits
968
374
507
2269
1250
1713
39935
41548
40952
SMALL
LARGE-S
LARGE-N

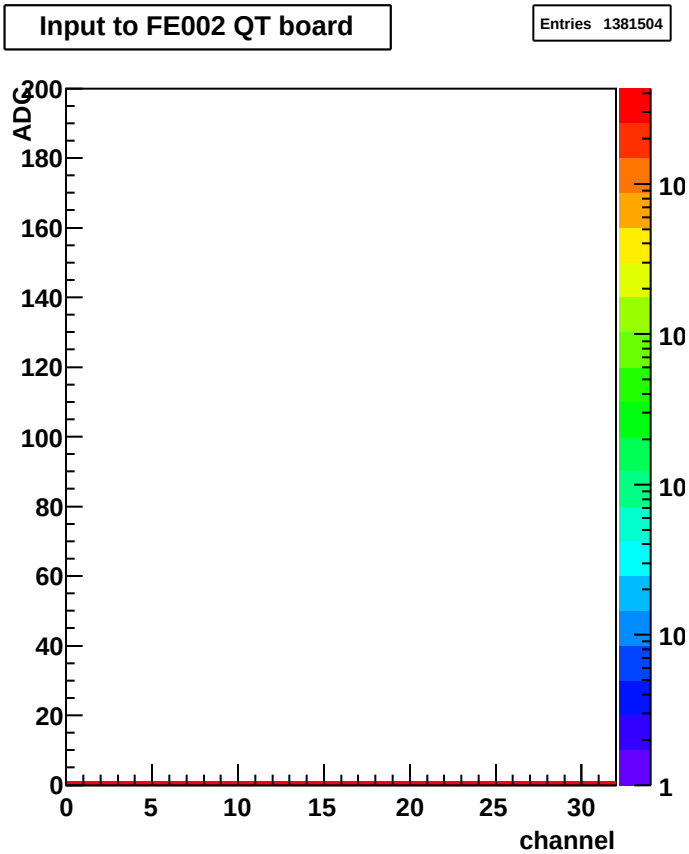

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

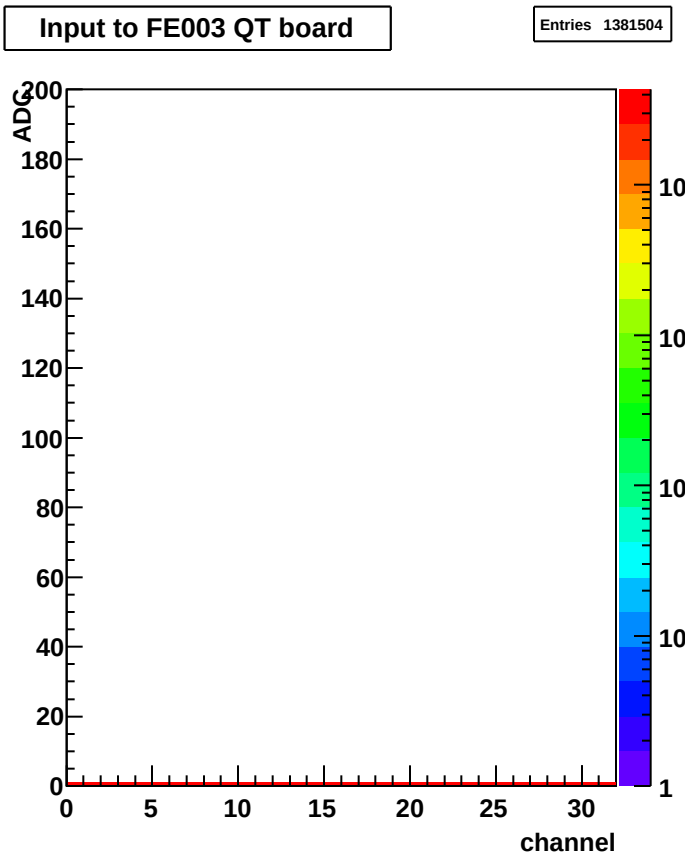

Input to FPD L3 DSM
Entries 690752
bit
6530
1811
4346
672
222
3716
283
76
2801
991
246
140
43172
35542
41361
38826
42500
42950
39456
42889
43096
40371
42181
42926
43032
43172
43172
43172
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

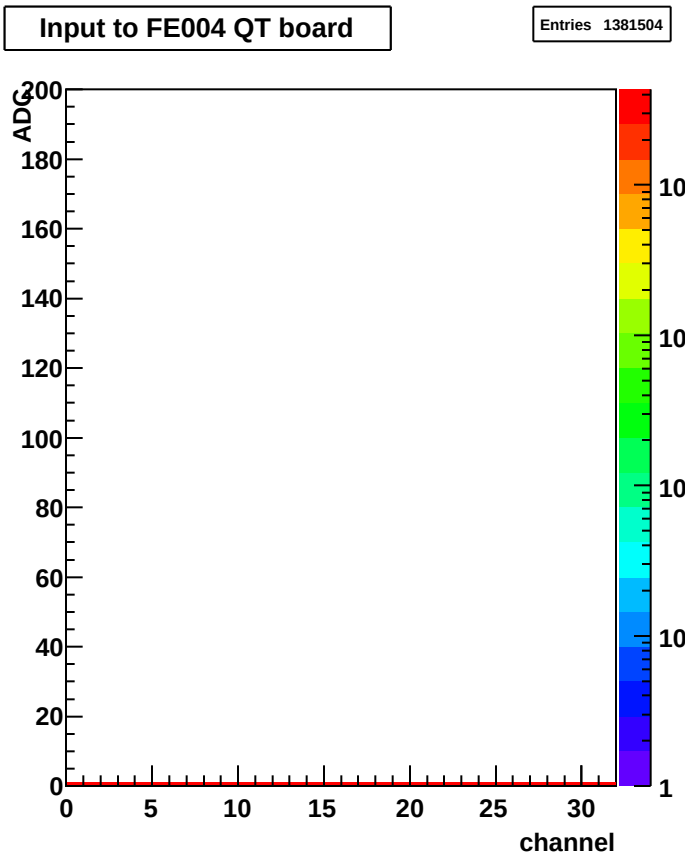

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

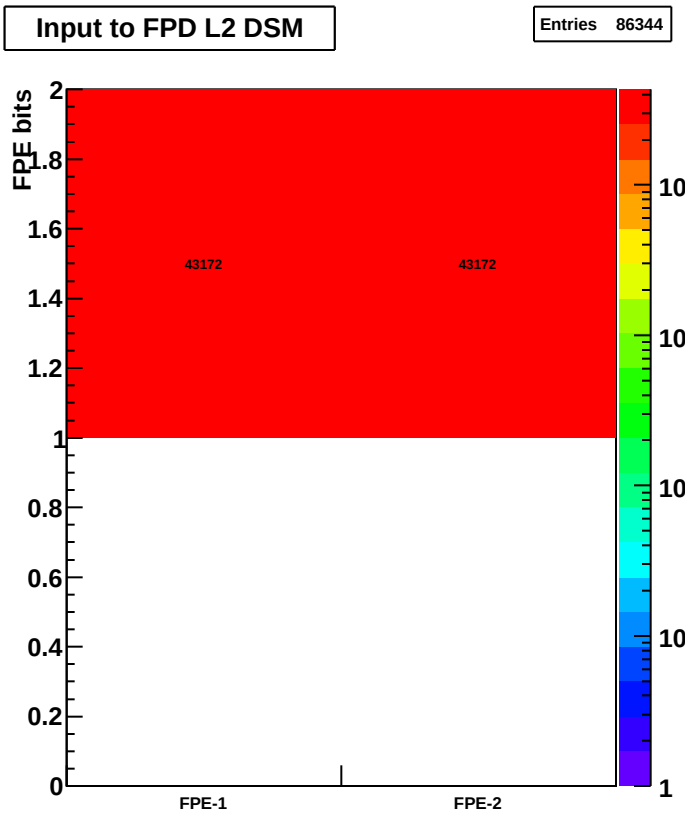

Input to FPD L2 DSM
Entries 172688
jet patch sum
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

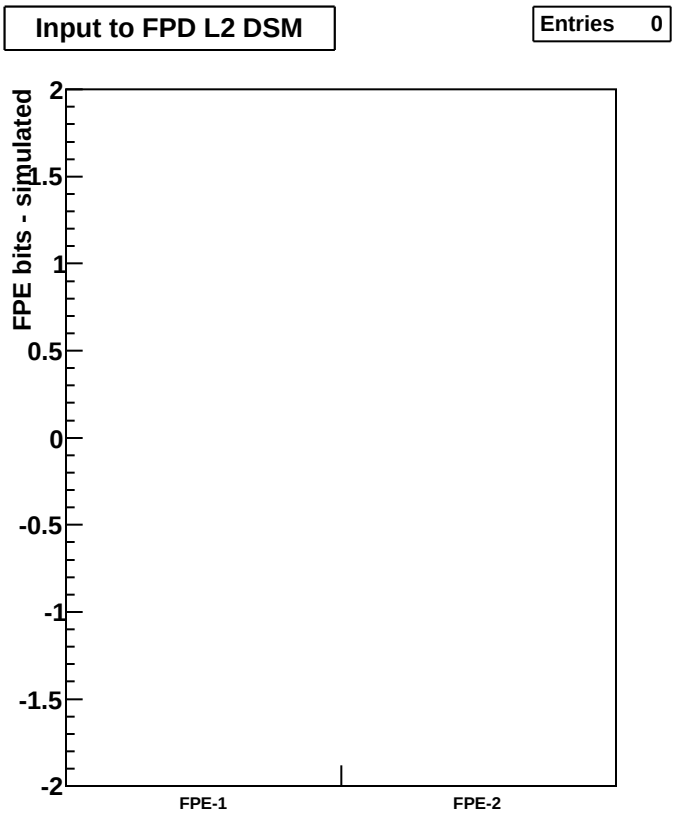

Input to FE001 QT board
Entries 1381504
ADC
channel


Input to FE002 QT board
Entries 1381504
ADC
channel


Input to FE003 QT board
Entries 1381504
ADC
channel


Input to FE004 QT board
Entries 1381504
ADC
channel


Input to FPD L2 DSM
Entries 86344
FPE bits
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
43172
43172
FPE-1
FPE-2
10
10
10
10
1


Input to FPD L2 DSM
Entries 0
FPE bits - simulated
2
1.5
1
0.5
0
-0.5
-1
-1.5
-2
FPE-1
FPE-2