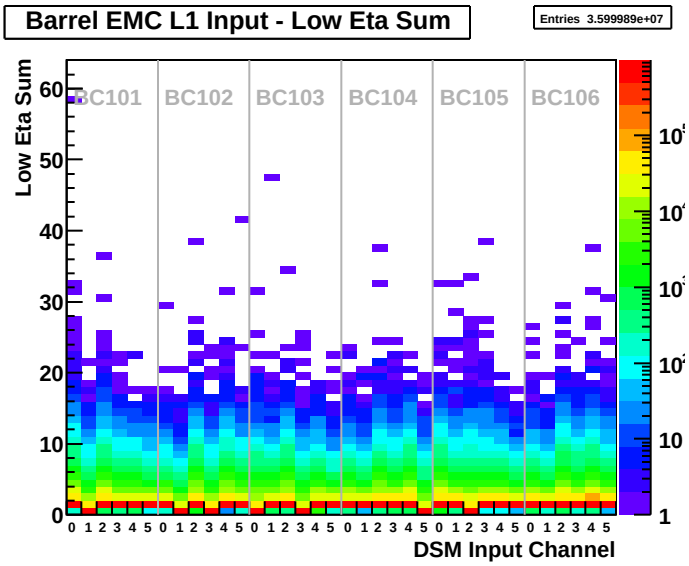
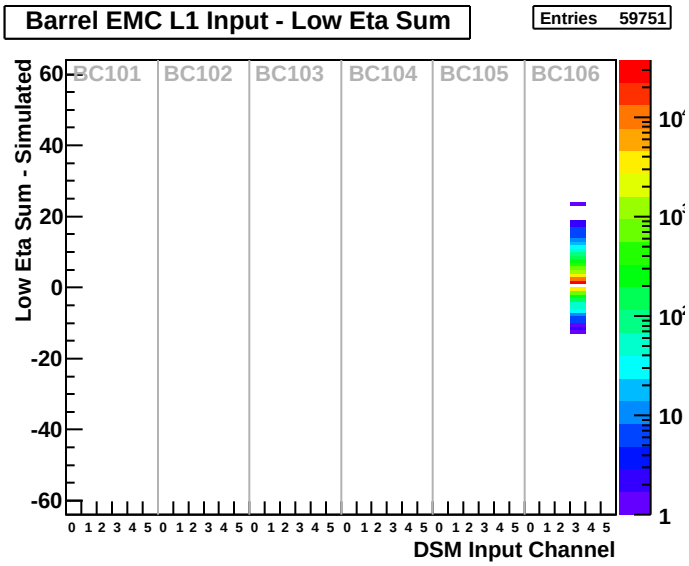
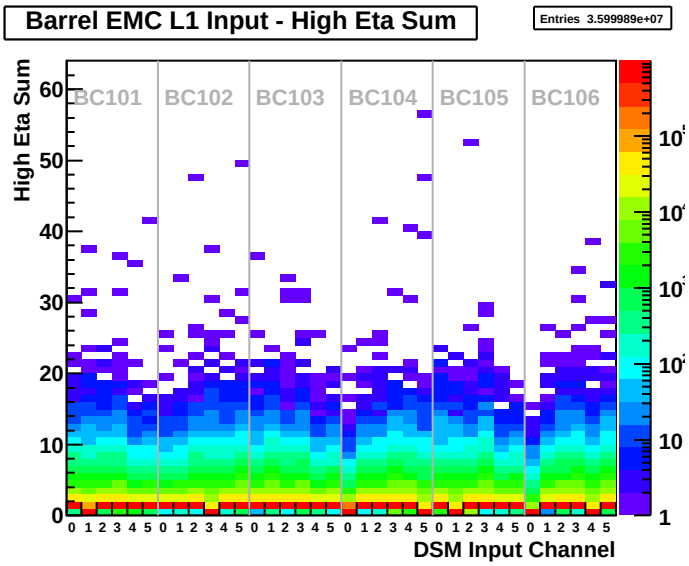
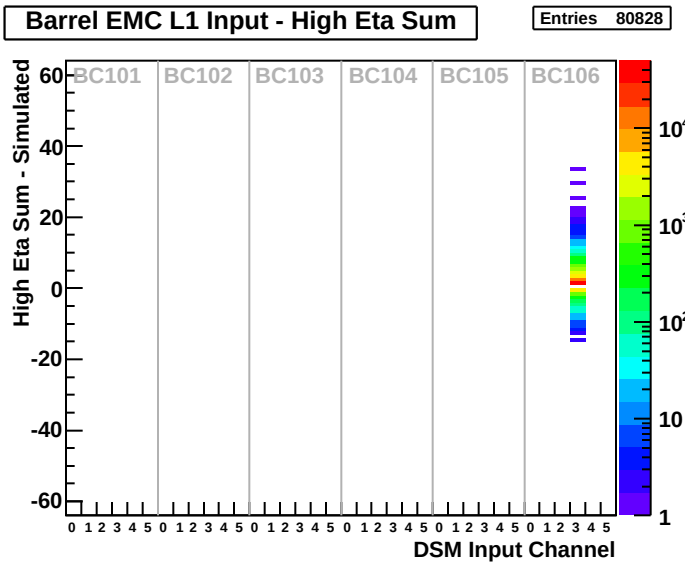
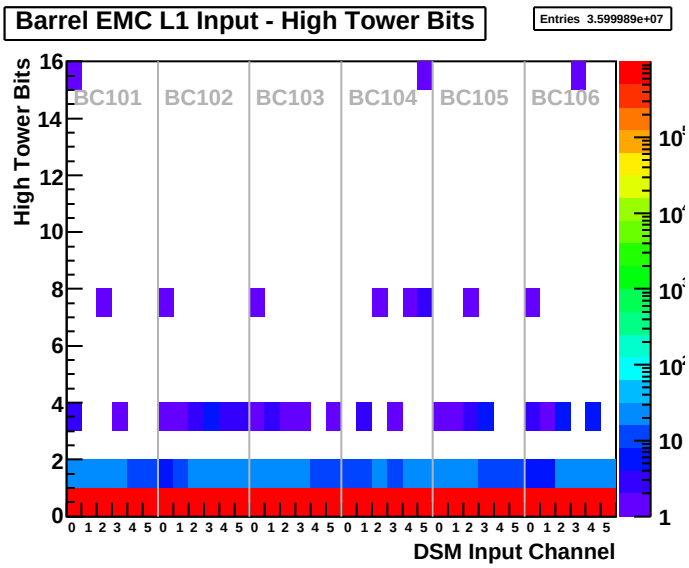
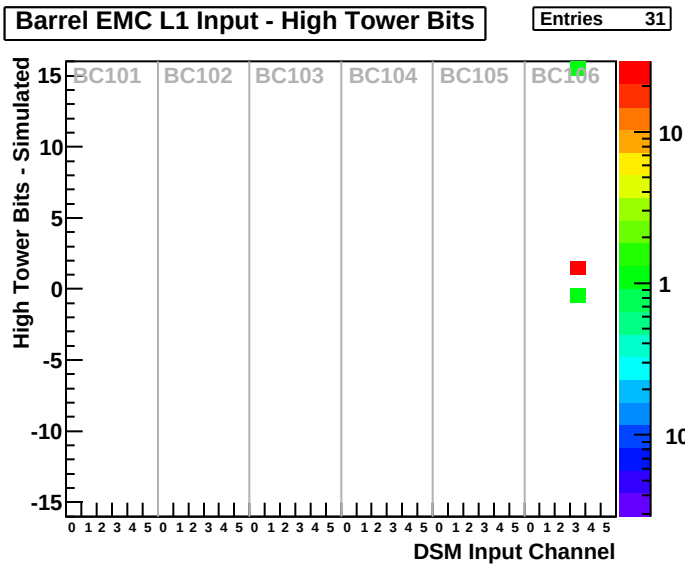

Barrel EMC L1 Input - Low Eta Sum
Entries 3.599989e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

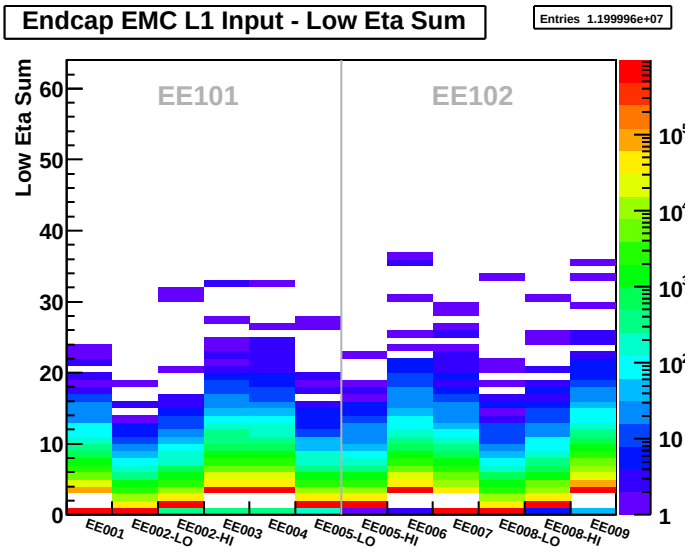

Barrel EMC L1 Input - Low Eta Sum
Entries 59751
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

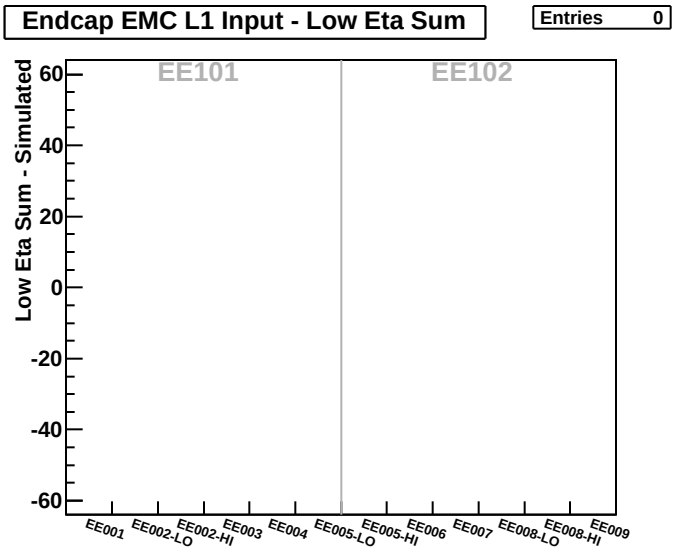

Barrel EMC L1 Input - High Eta Sum
Entries 3.599989e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

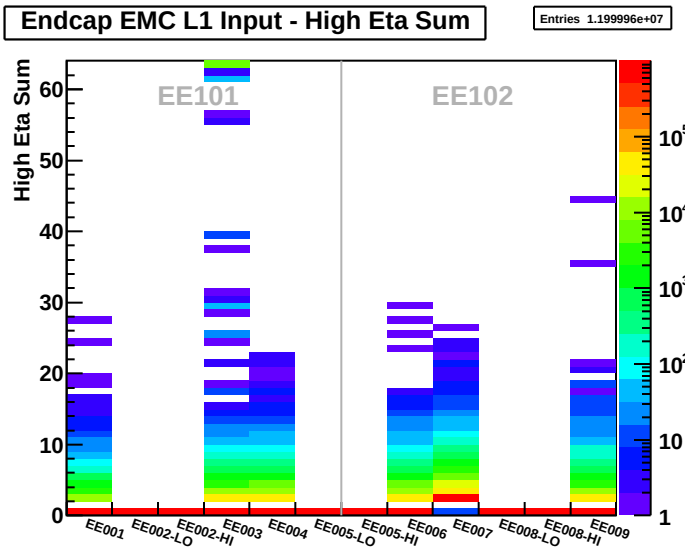

Barrel EMC L1 Input - High Eta Sum
Entries 80828
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

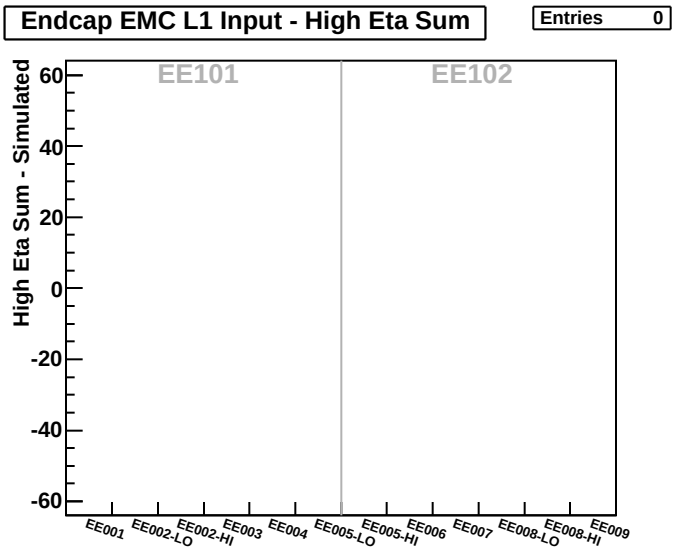

Barrel EMC L1 Input - High Tower Bits
Entries 3.599989e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

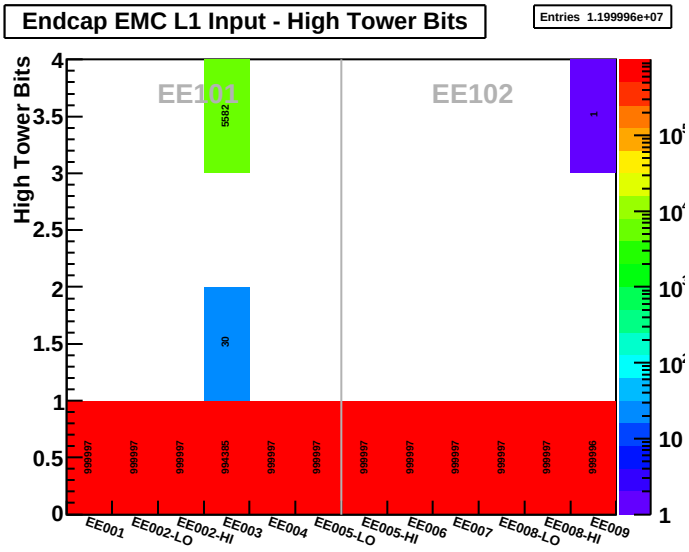

Barrel EMC L1 Input - High Tower Bits
Entries 31
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

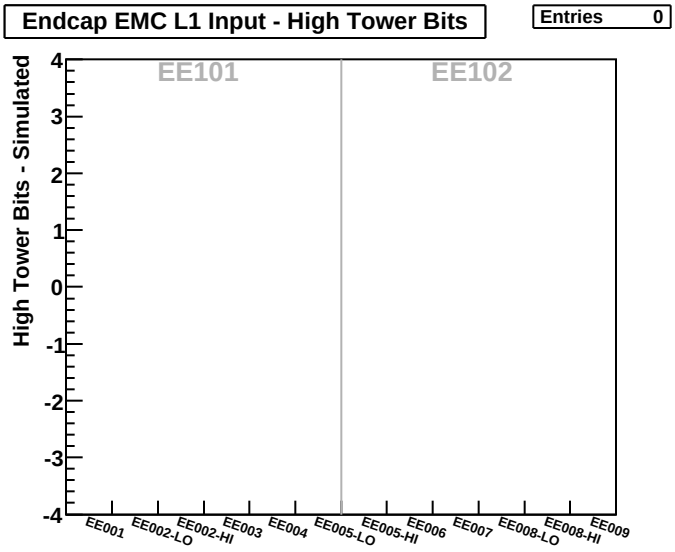

Endcap EMC L1 Input - Low Eta Sum
Entries 1.199996e+07
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

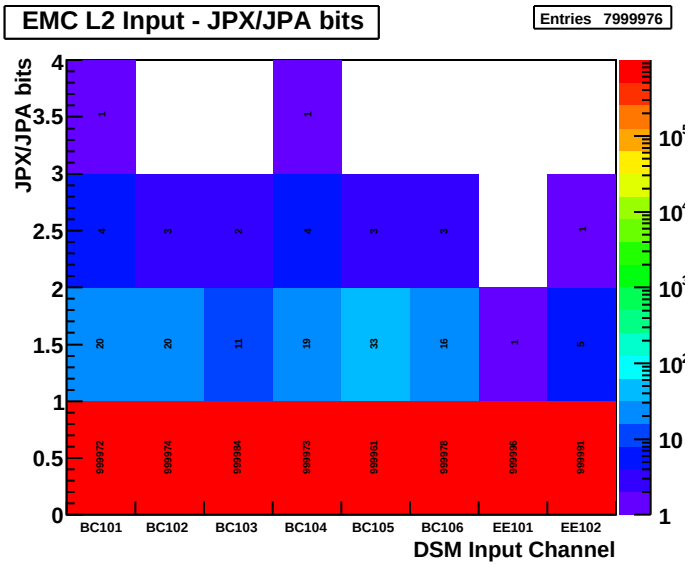

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

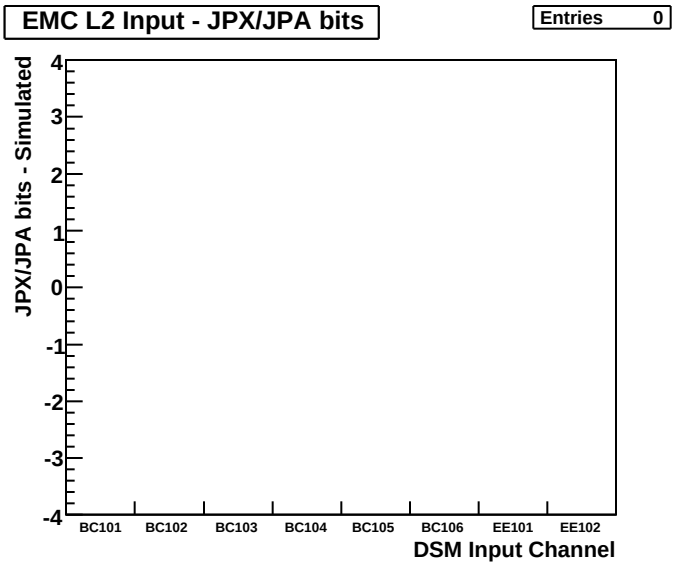

Endcap EMC L1 Input - High Eta Sum
Entries 1.199996e+07
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

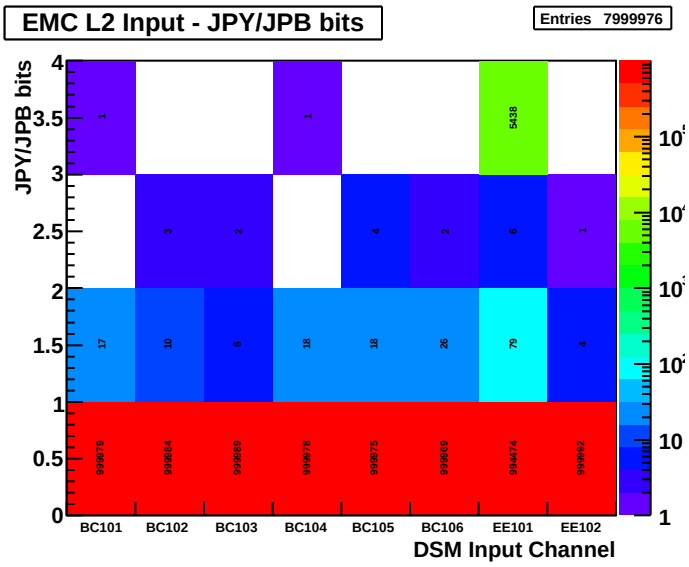

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

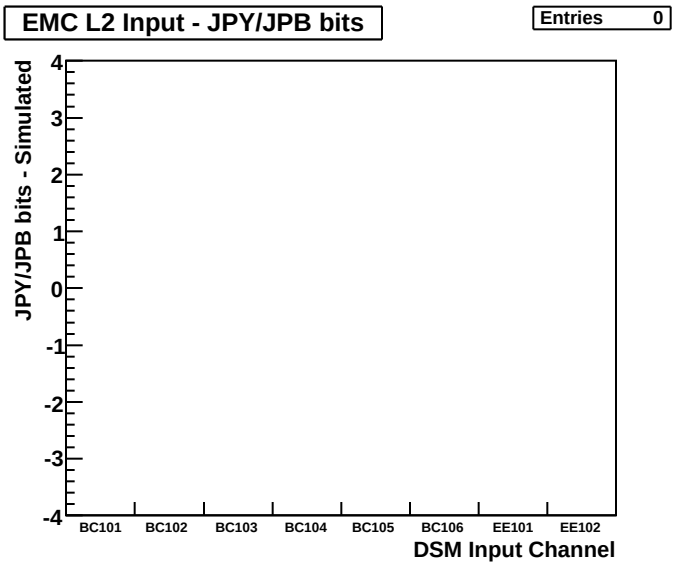

Endcap EMC L1 Input - High Tower Bits
Entries 1.199996e+07
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

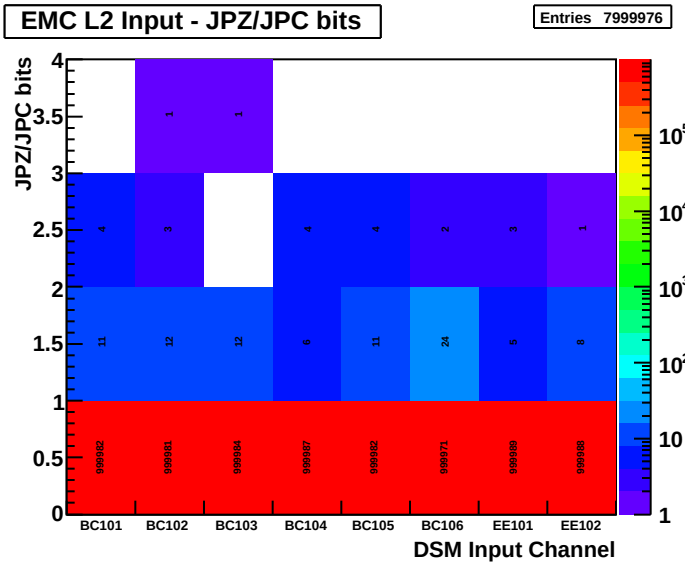

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

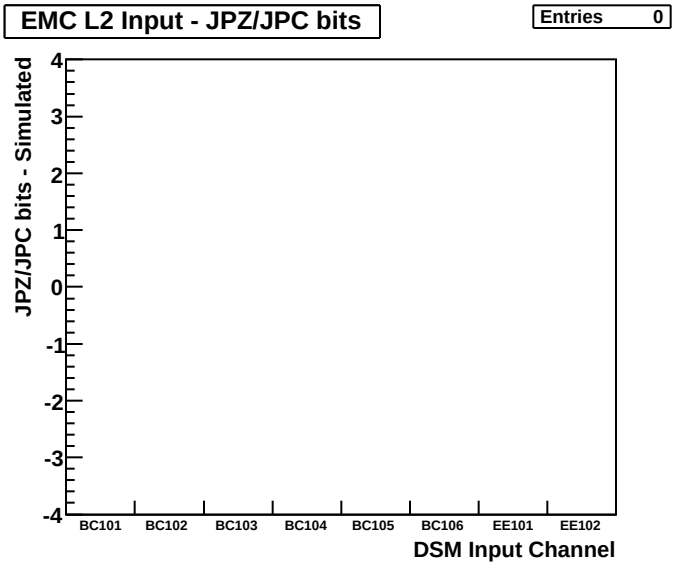

EMC L2 Input - JPX/JPA bits
Entries 7999976
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

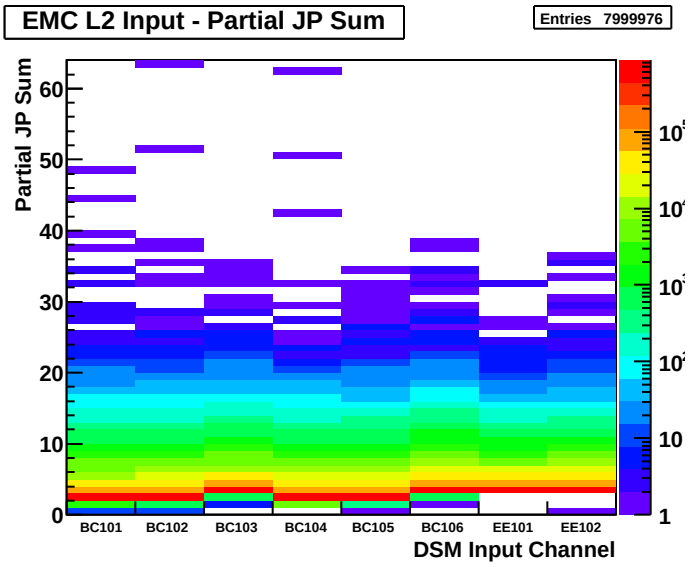

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

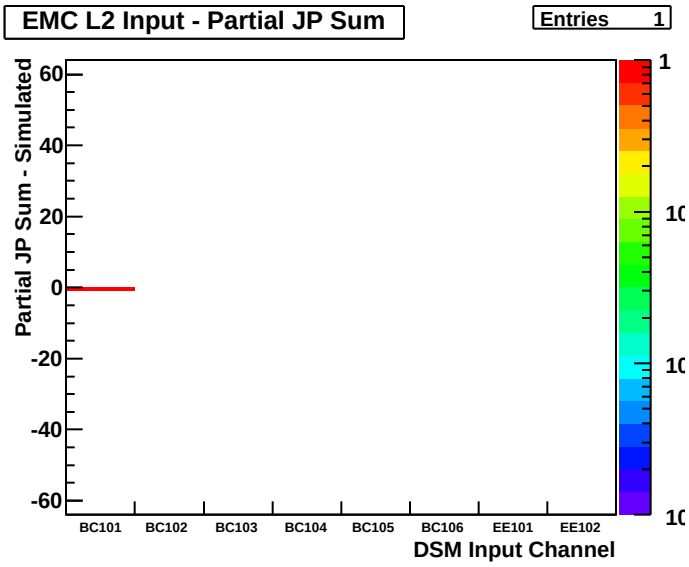

EMC L2 Input - JPY/JPB bits
Entries 7999976
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

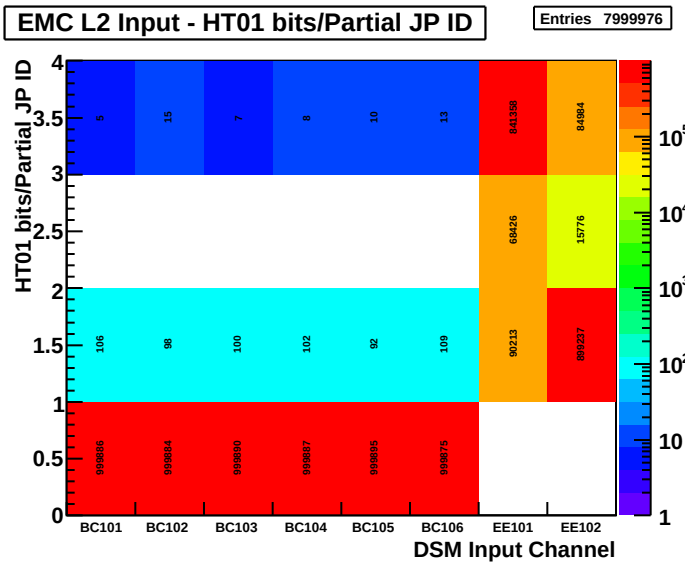

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

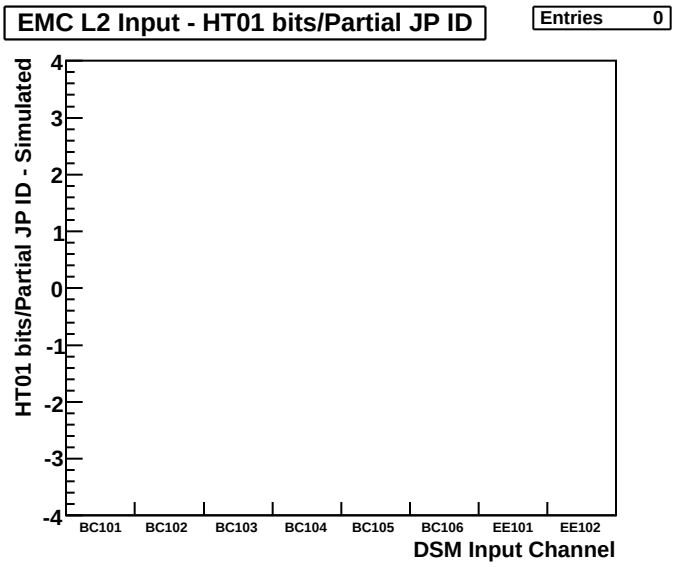

EMC L2 Input - JPZ/JPC bits
Entries 7999976
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

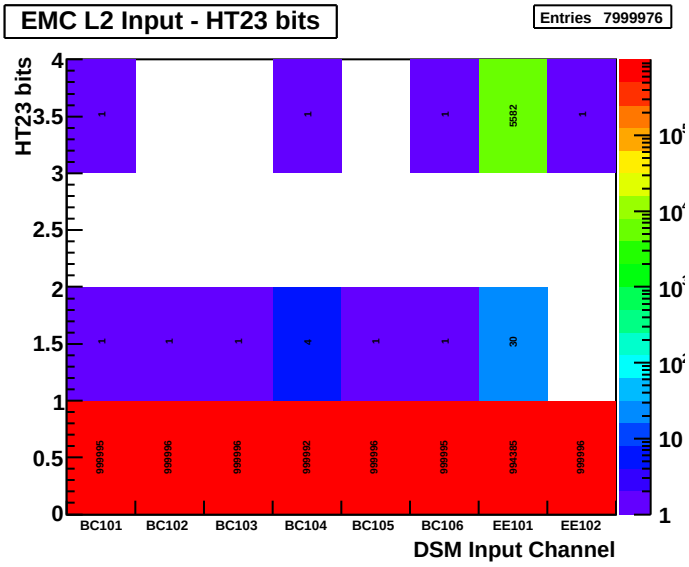

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

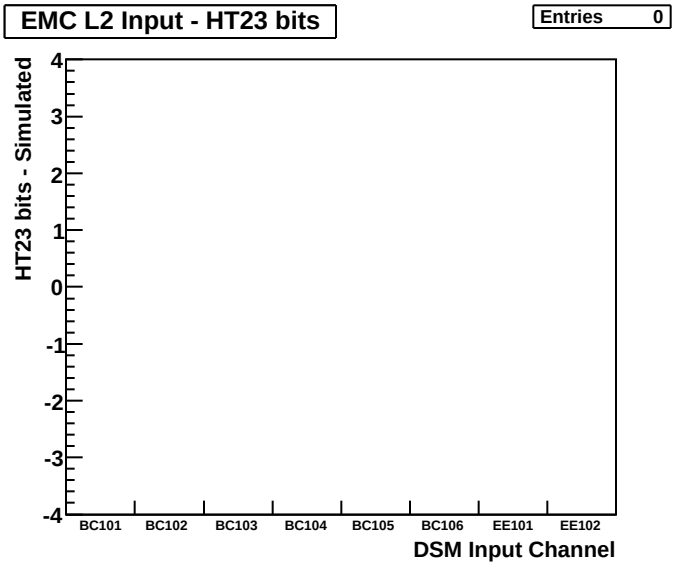

EMC L2 Input - Partial JP Sum
Entries 7999976
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

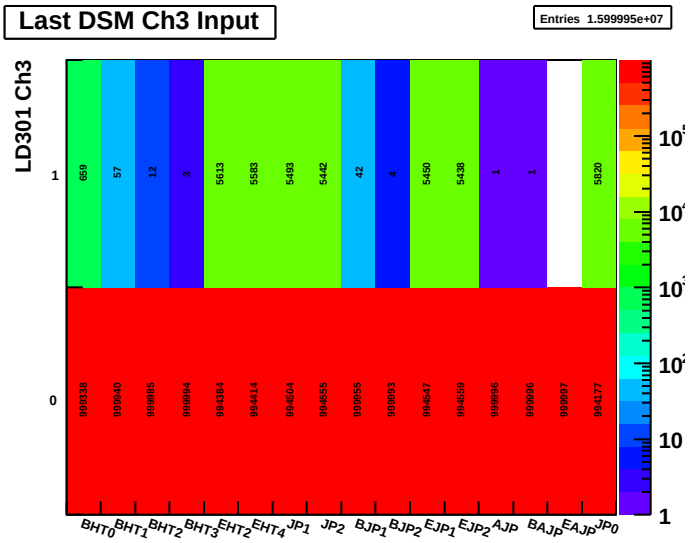

EMC L2 Input - Partial JP Sum
Entries 1
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

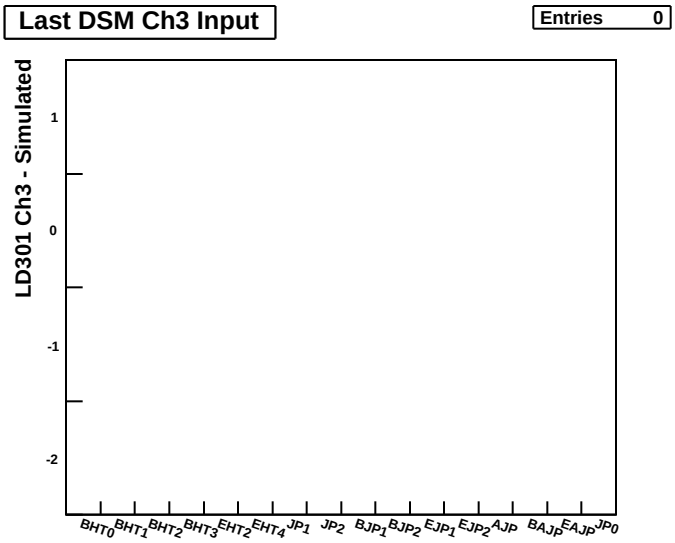

EMC L2 Input - HT01 bits/Partial JP ID
Entries 7999976
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

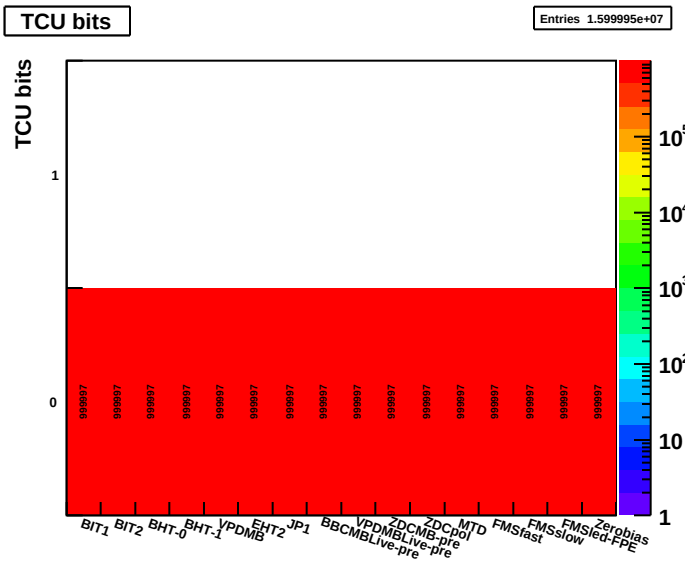

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

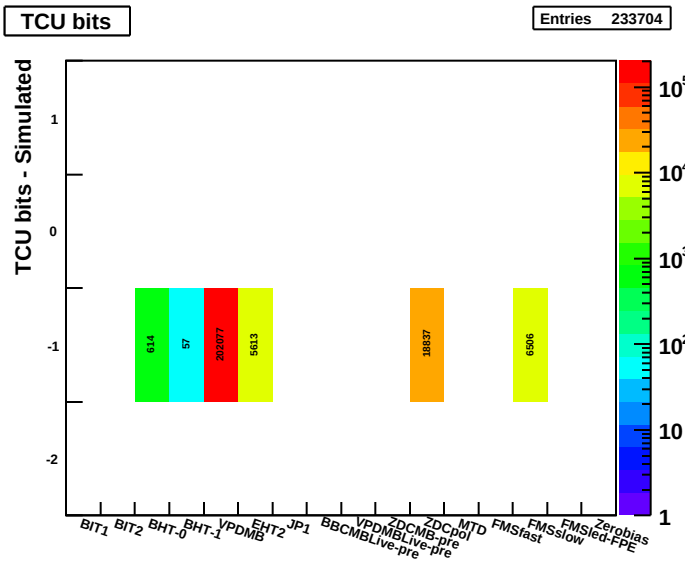

EMC L2 Input - HT23 bits
Entries 7999976
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

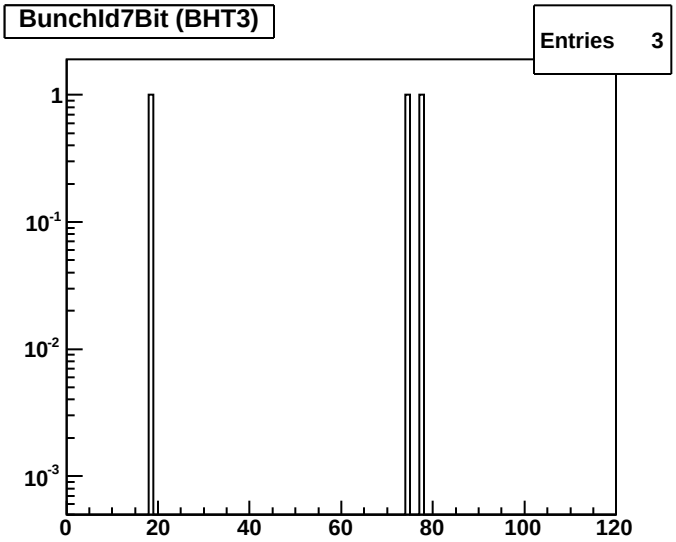

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

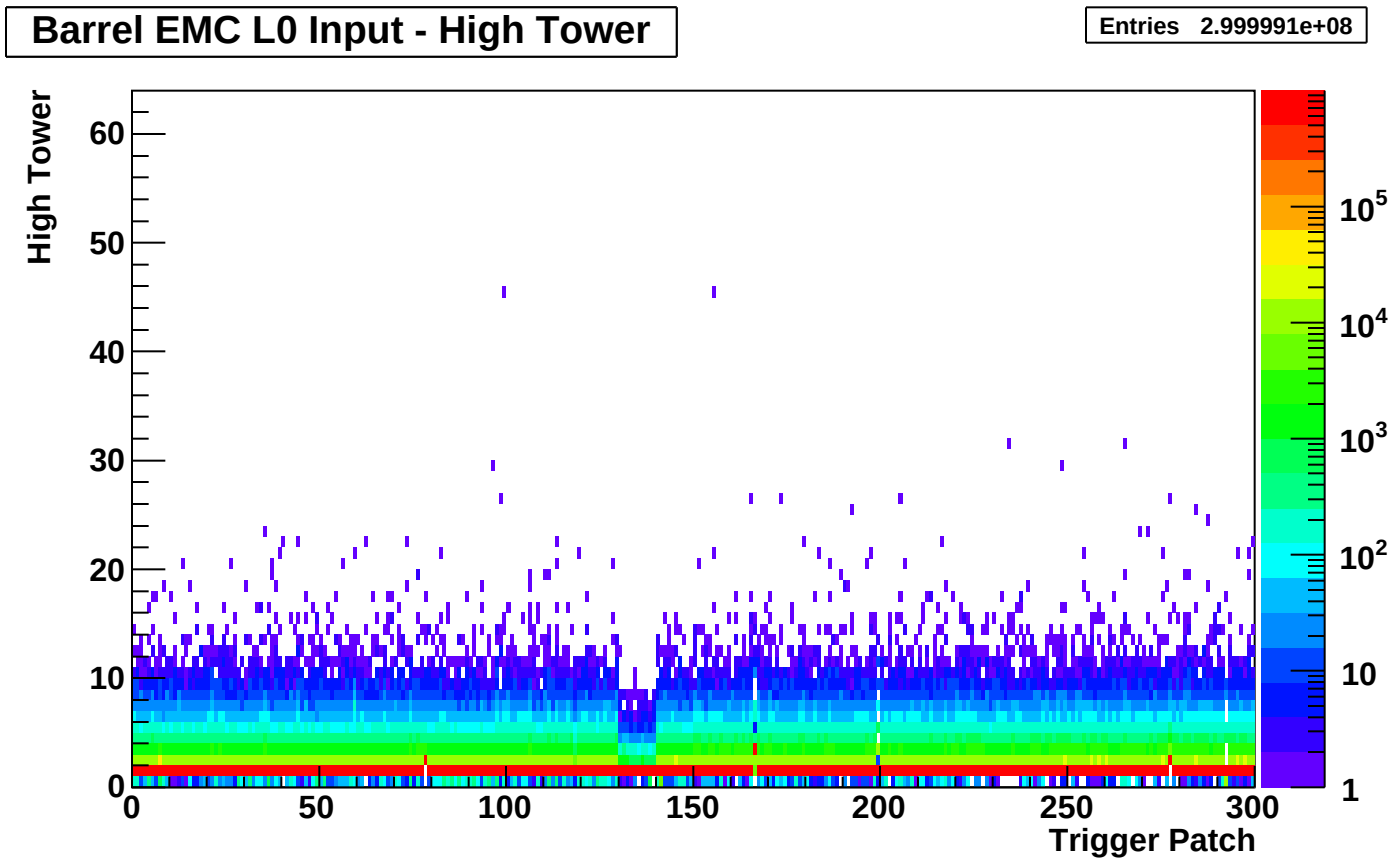

Last DSM Ch3 Input
Entries 1.599995e+07
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

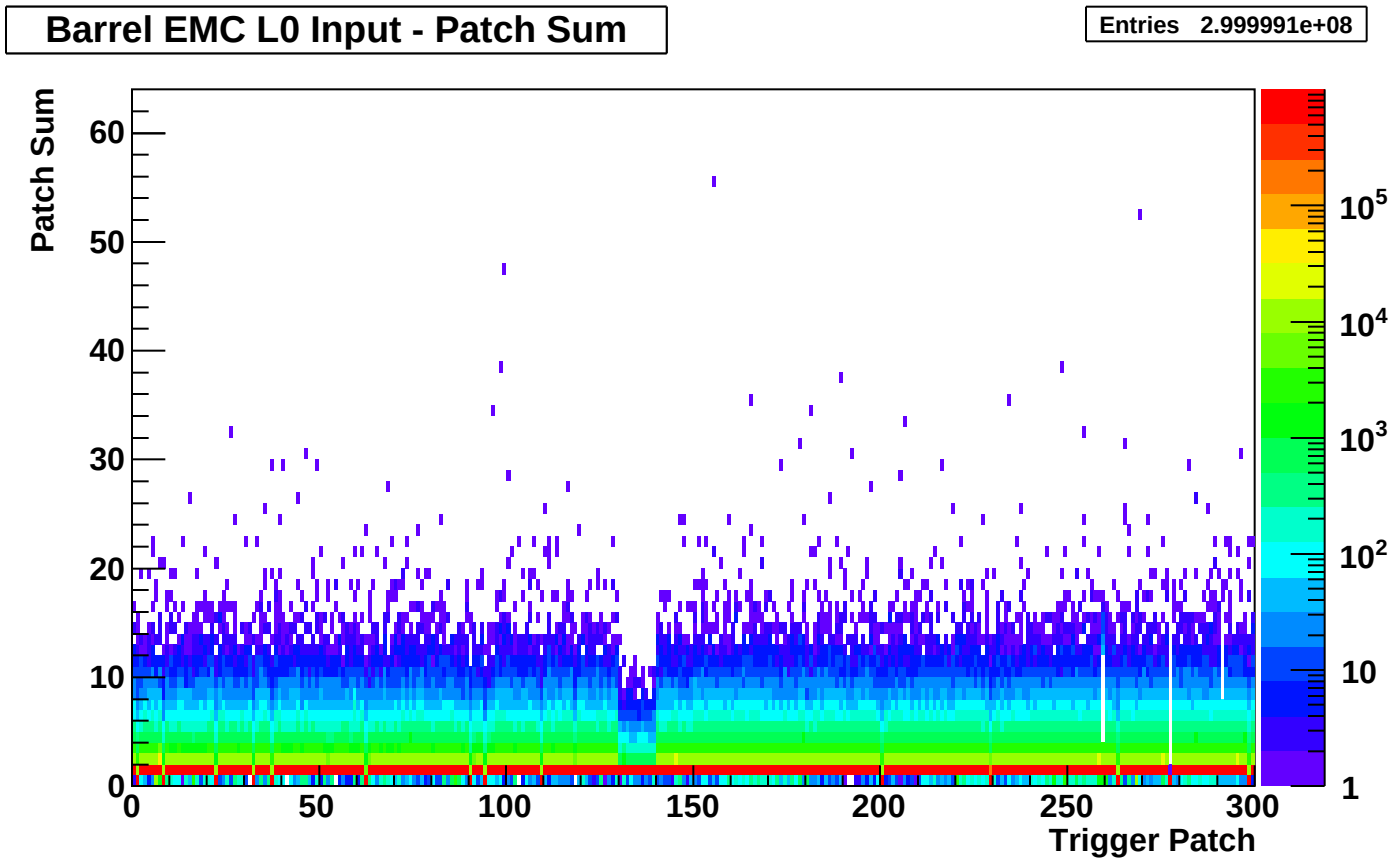

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

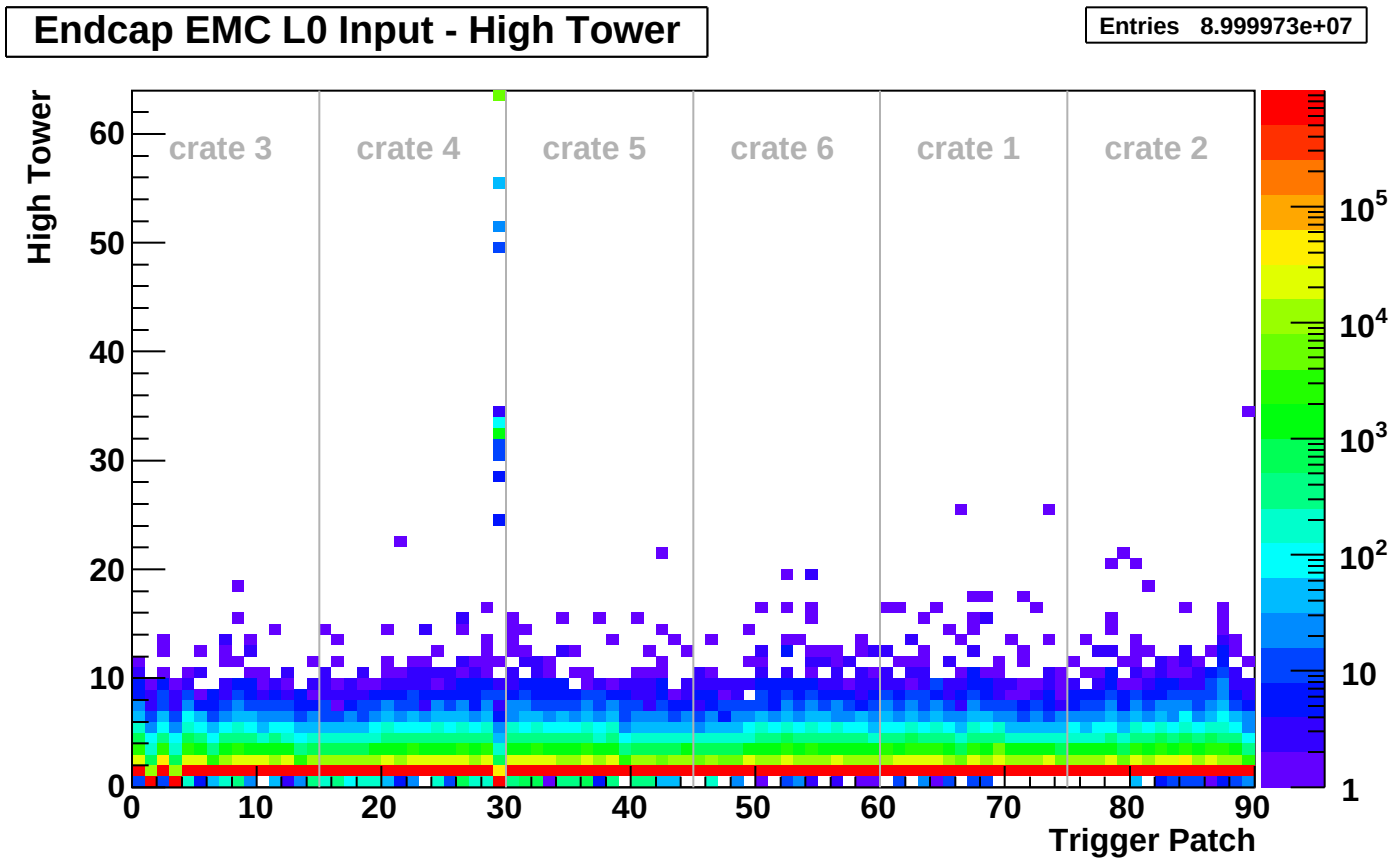

TCU bits
Entries 1.599995e+07
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

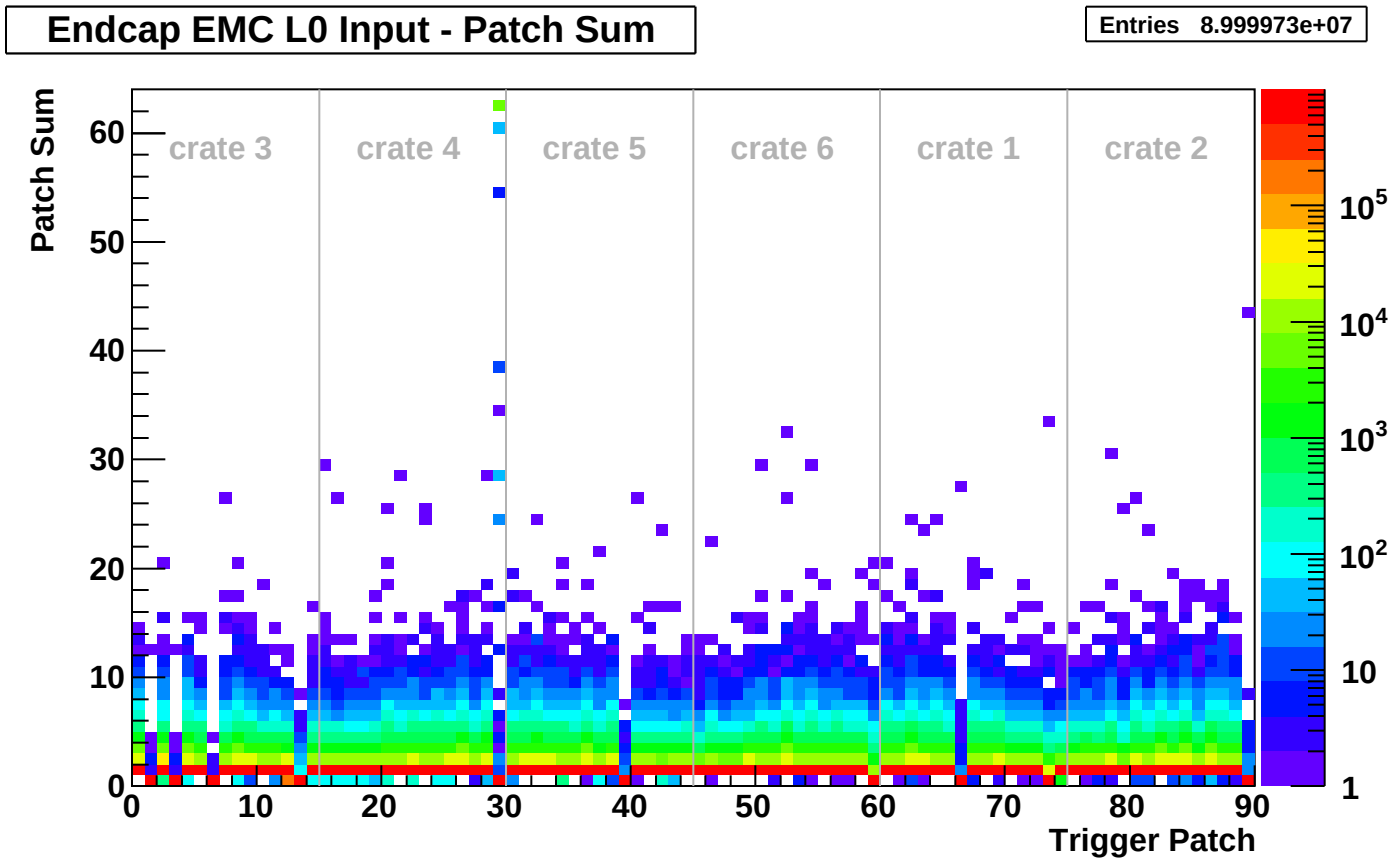

TCU bits
Entries 233704
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

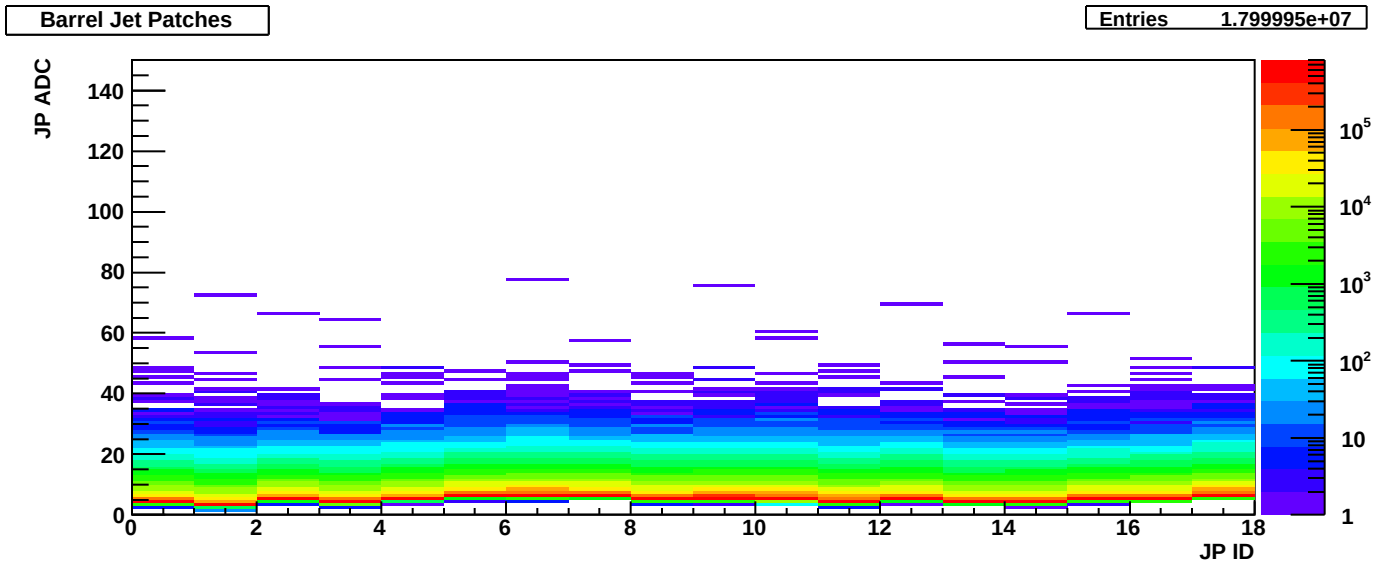

BunchId7Bit (BHT3)
Entries 3

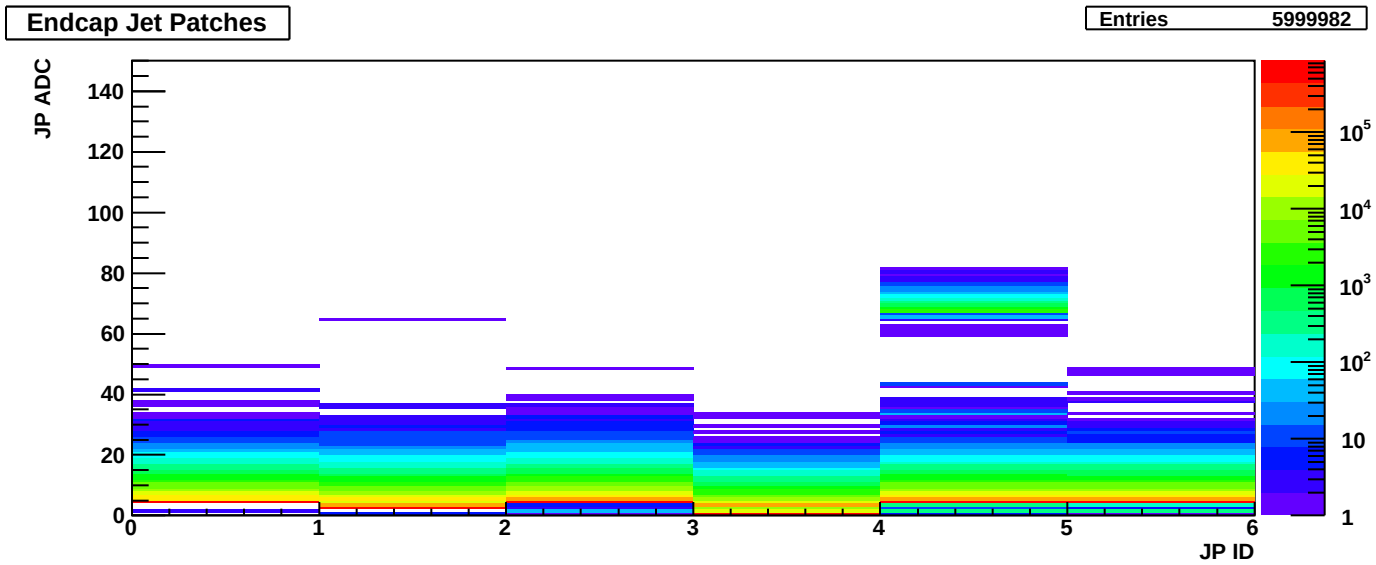

Barrel EMC L0 Input - High Tower
Entries 2.999991e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

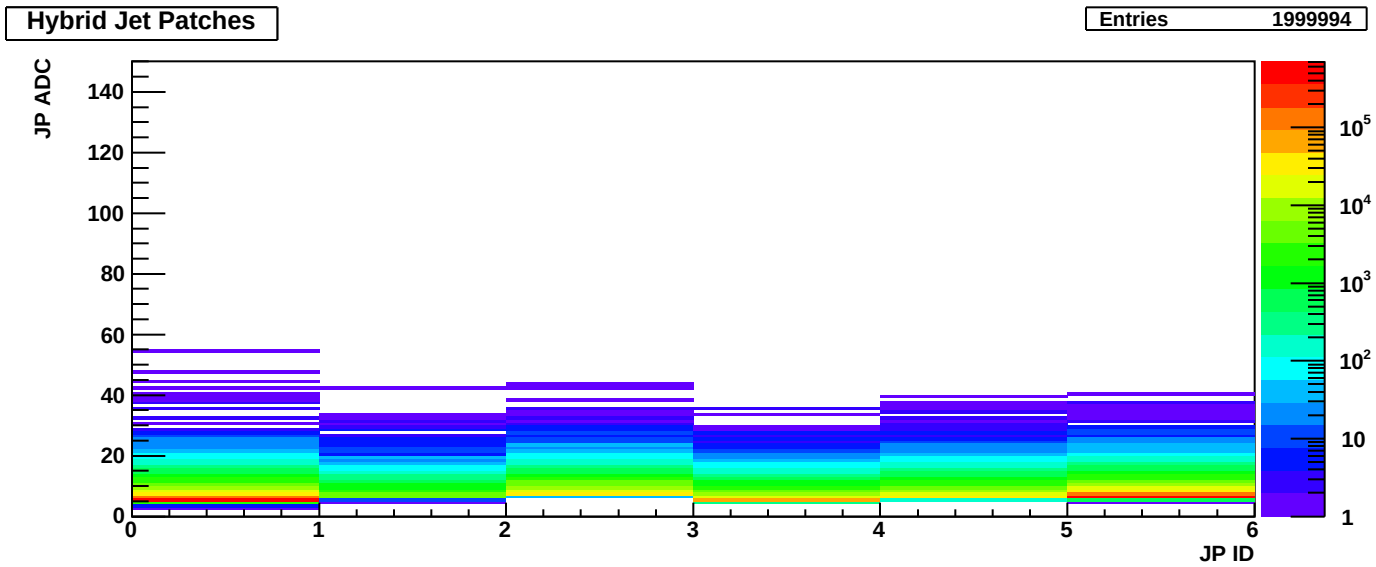

Barrel EMC L0 Input - Patch Sum
Entries 2.999991e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

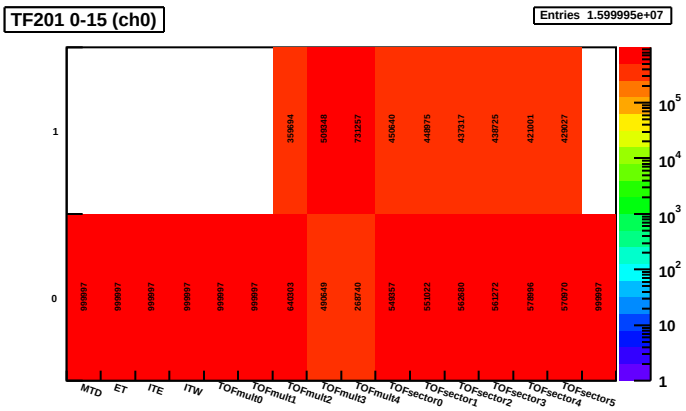

Endcap EMC L0 Input - High Tower
Entries 8.999973e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

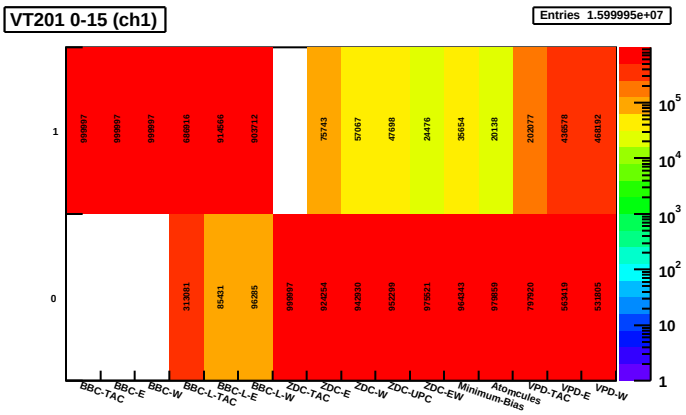

Endcap EMC L0 Input - Patch Sum
Entries 8.999973e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

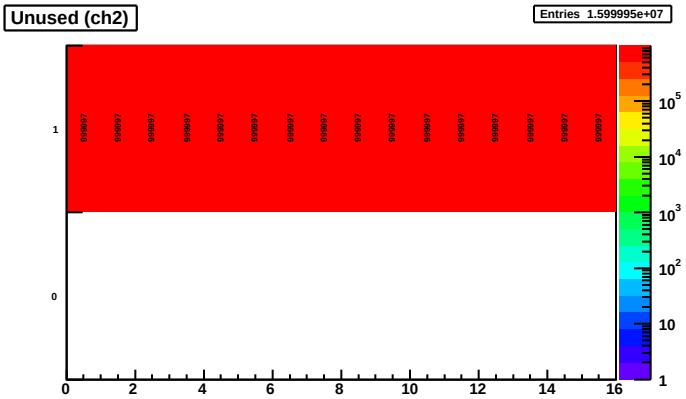

Barrel Jet Patches
Entries 1.799995e+07
JP ADC
JP ID

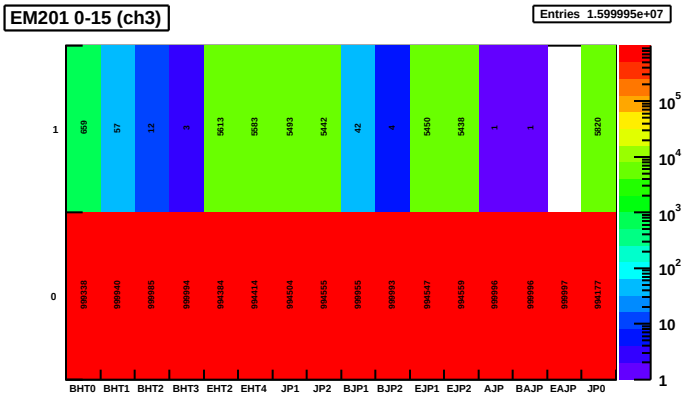

Endcap Jet Patches
Entries 5999982
JP ADC
JP ID

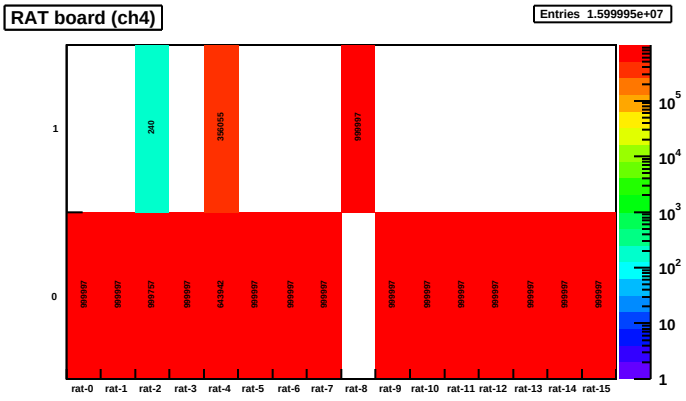

Hybrid Jet Patches
Entries 1999994
JP ADC
JP ID

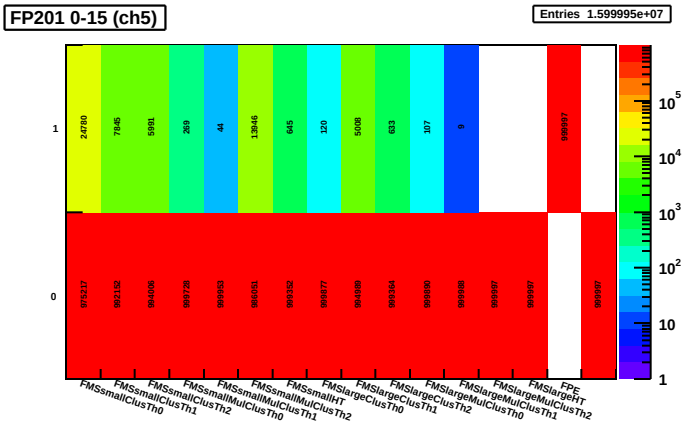

TF201 0-15 (ch0)
Entries 1.599995e+07
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

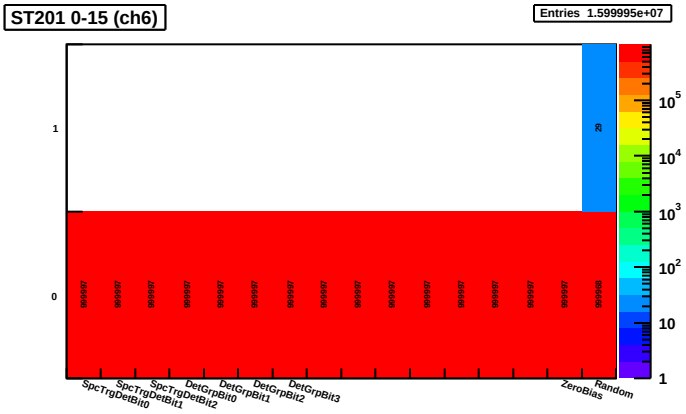

VT201 0-15 (ch1)
Entries 1.599995e+07
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

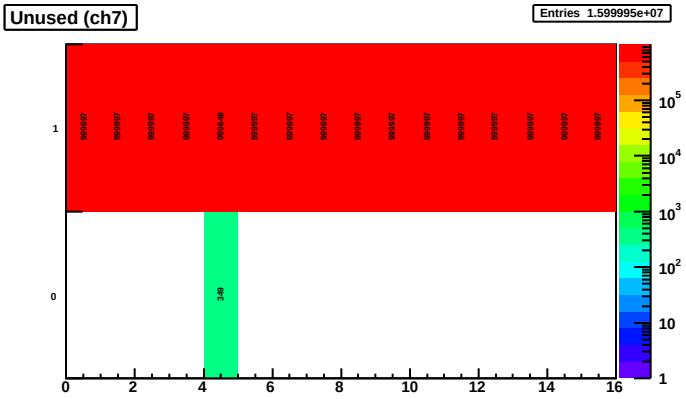

Unused (ch2)
Entries 1.599995e+07

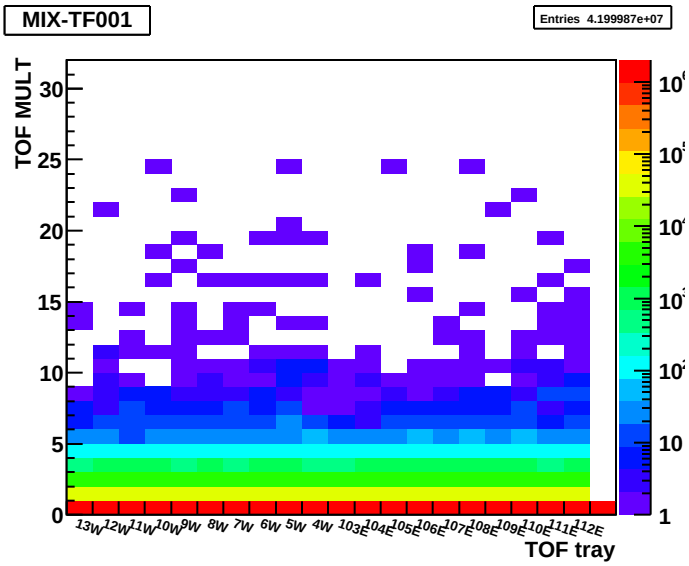

EM201 0-15 (ch3)
Entries 1.599995e+07
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP
JP0

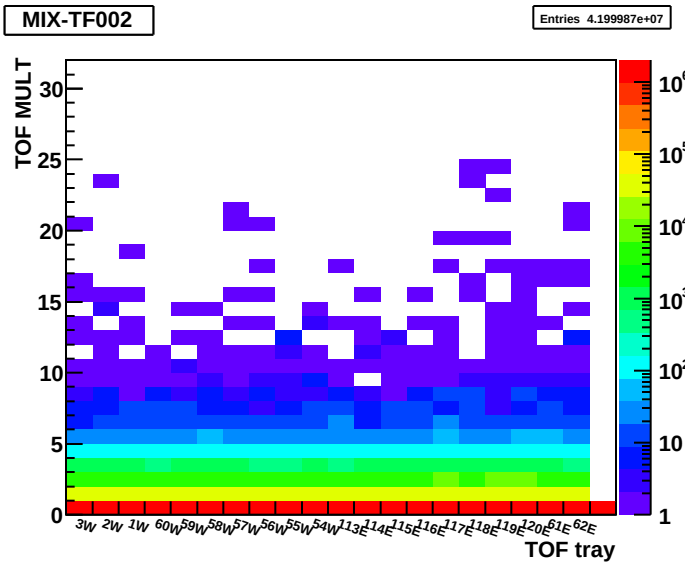

RAT board (ch4)
Entries 1.599995e+07
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

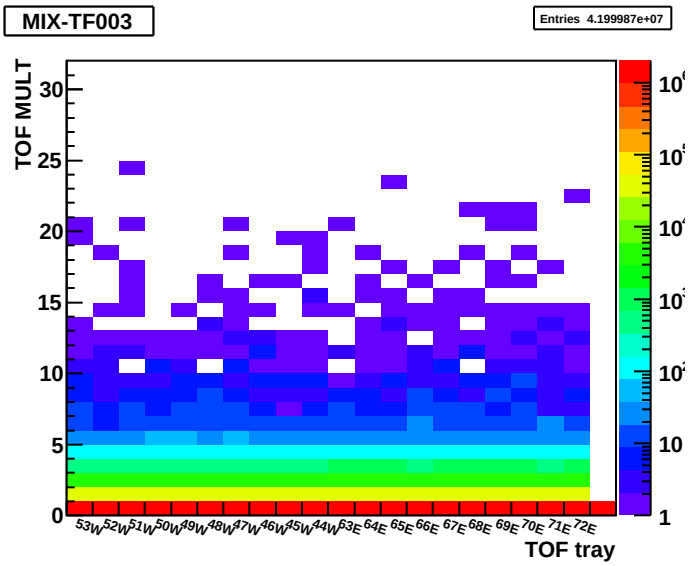

FP201 0-15 (ch5)
Entries 1.599995e+07
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

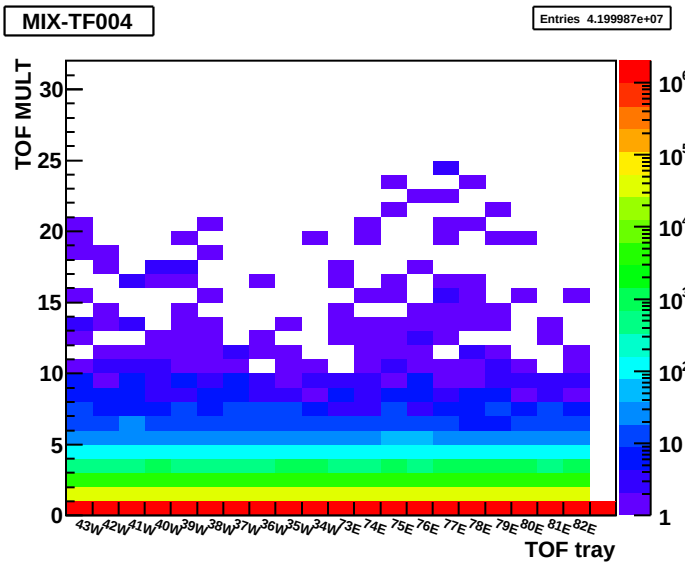

ST201 0-15 (ch6)
Entries 1.599995e+07
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

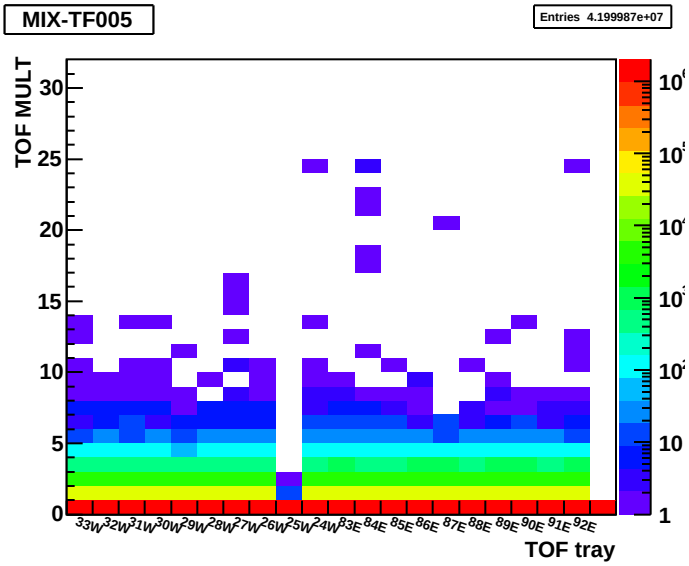

Unused (ch7)
Entries 1.599995e+07

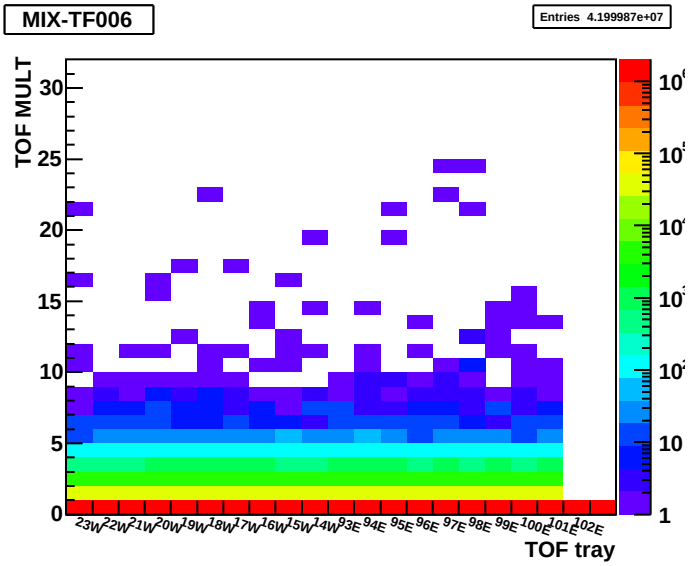

MIX-TF001
Entries 4.199987e+07
TOF MULT
TOF tray

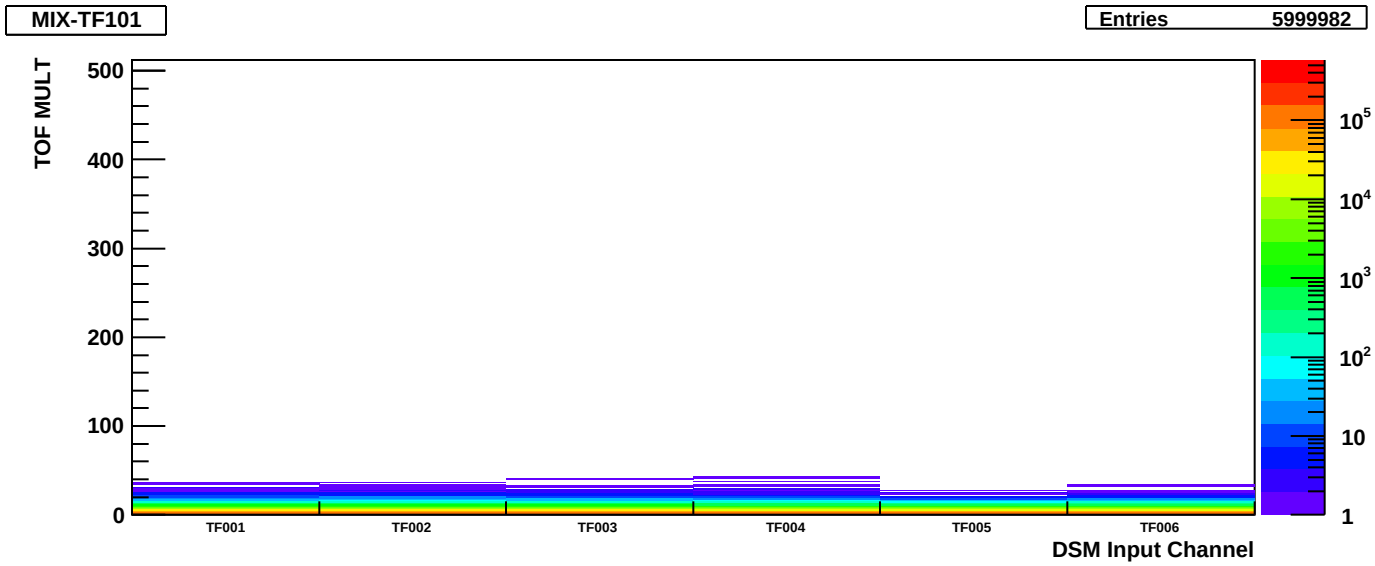

MIX-TF002
Entries 4.199987e+07
TOF MULT
TOF tray

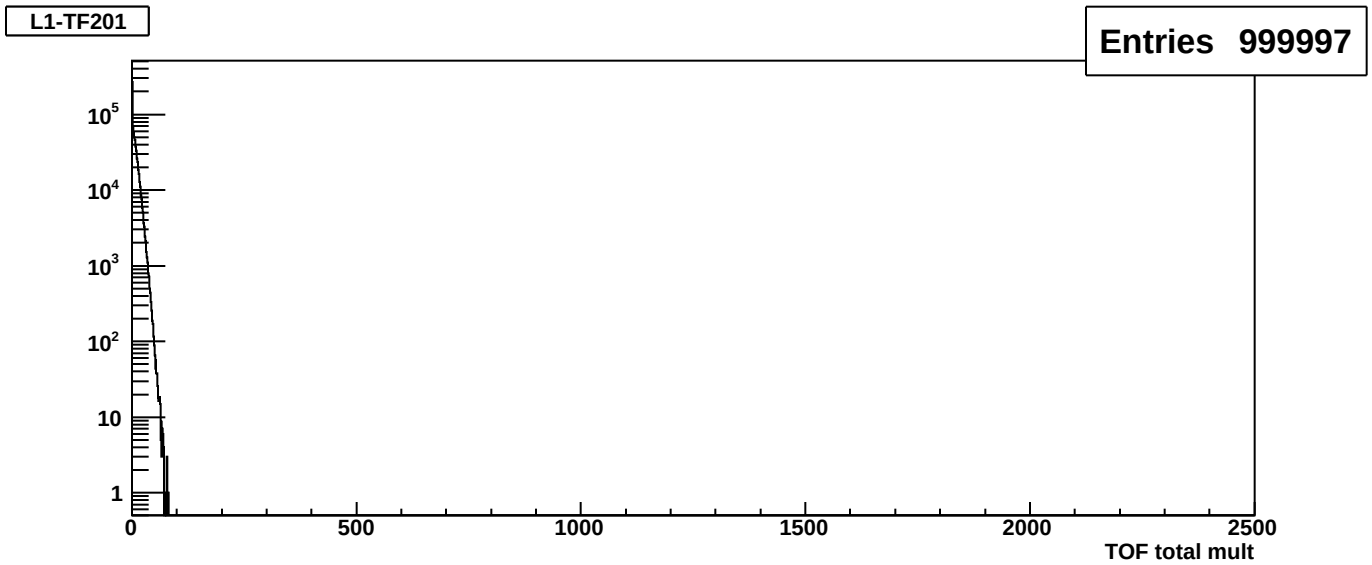

MIX-TF003
Entries 4.199987e+07
TOF MULT
TOF tray

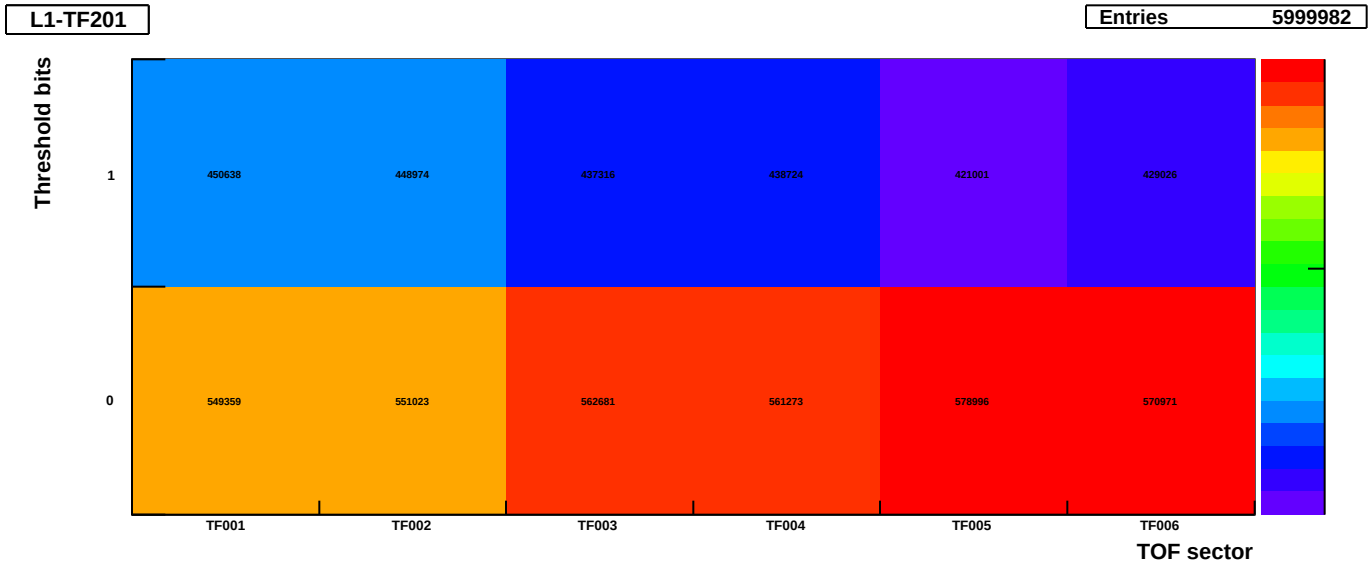

MIX-TF004
Entries 4.199987e+07
TOF MULT
TOF tray

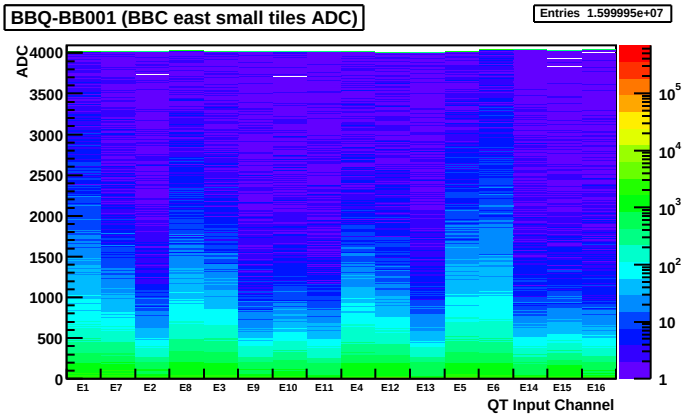

MIX-TF005
Entries 4.199987e+07
TOF MULT
TOF tray

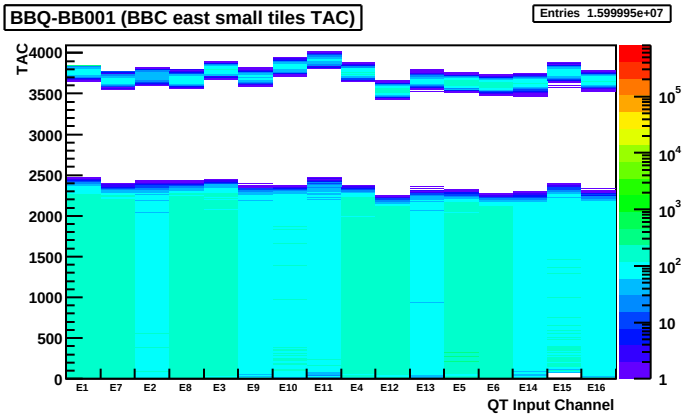

MIX-TF006
Entries 4.199987e+07
TOF MULT
TOF tray

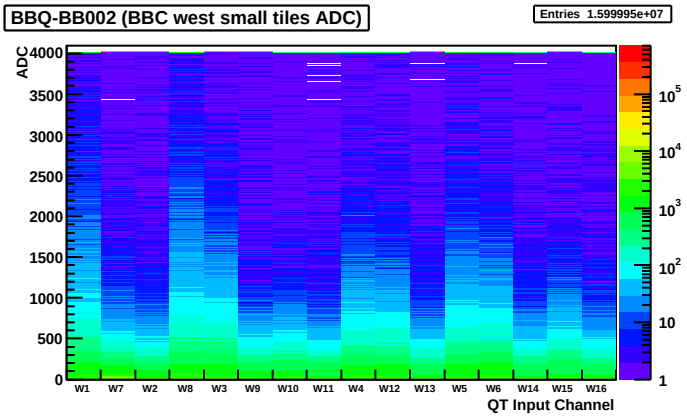

MIX-TF101
Entries 5999982
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^5
10^4
10^3
10^2
10
1

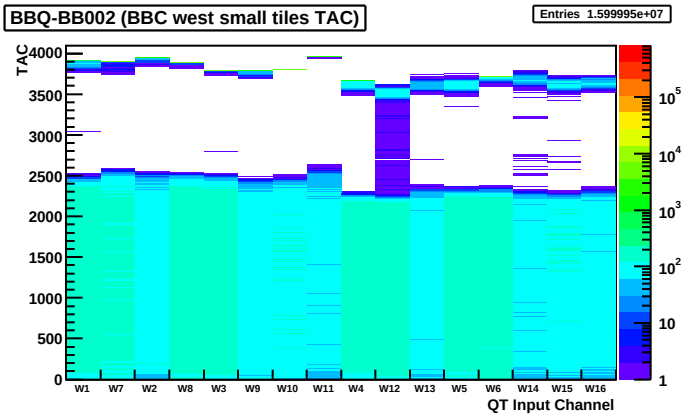

L1-TF201
Entries 999997
10^5
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

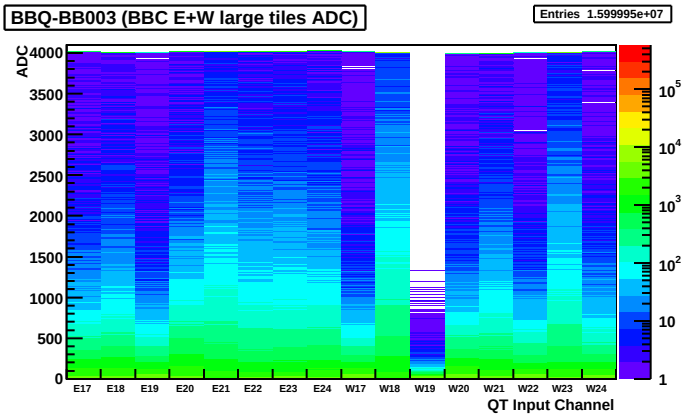

L1-TF201
Entries 5999982
Threshold bits
1
0
450638
448974
437316
438724
421001
429026
549359
551023
562681
561273
578996
570971
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

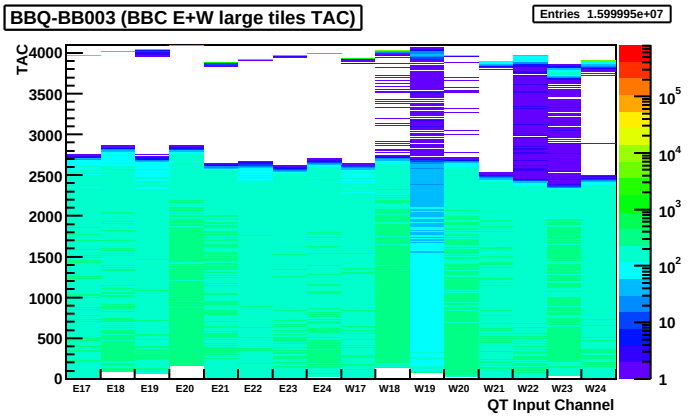

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.599995e+07
ADC
QT Input Channel

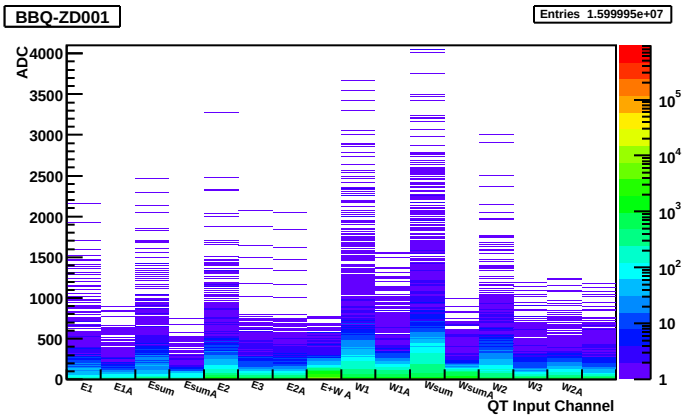

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.599995e+07
TAC
QT Input Channel

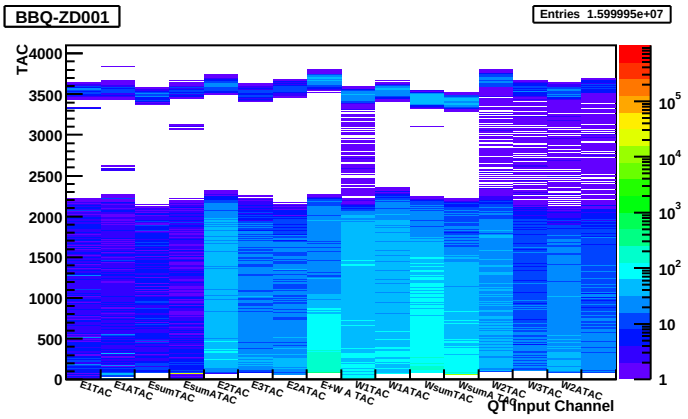

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.599995e+07
ADC
QT Input Channel

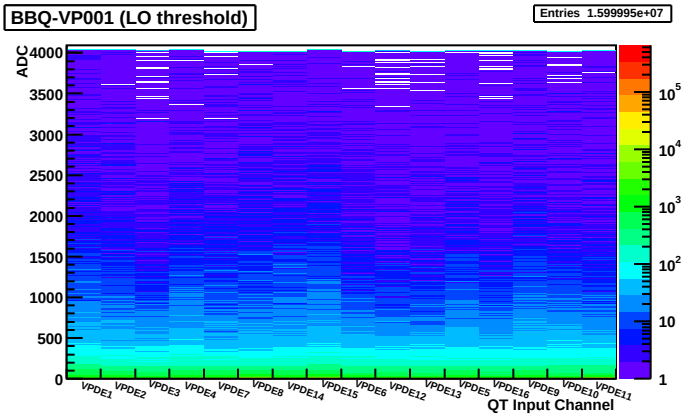

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.599995e+07
TAC
QT Input Channel

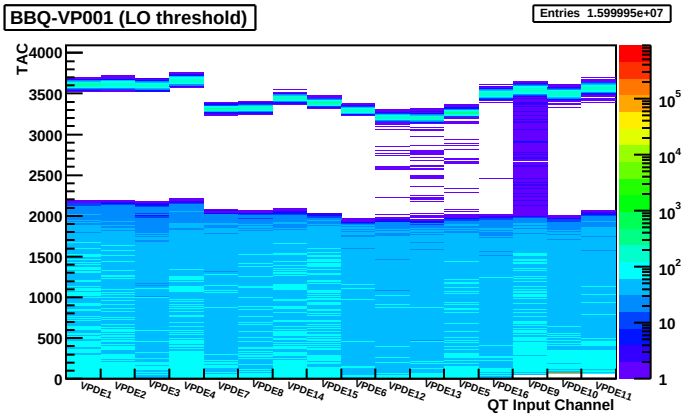

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.599995e+07
ADC
QT Input Channel

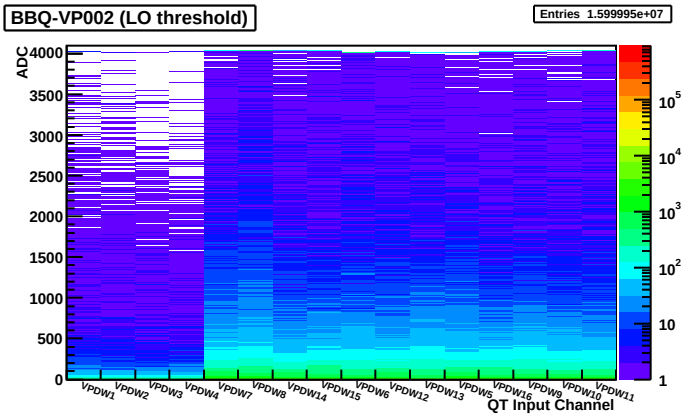

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.599995e+07
TAC
QT Input Channel

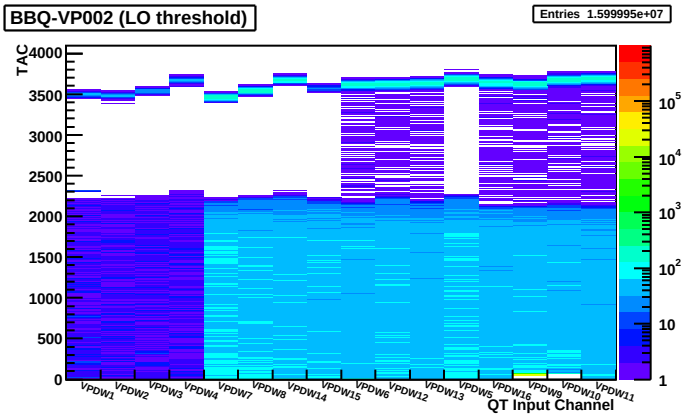

BBQ-ZD001
Entries 1.599995e+07
ADC
QT Input Channel

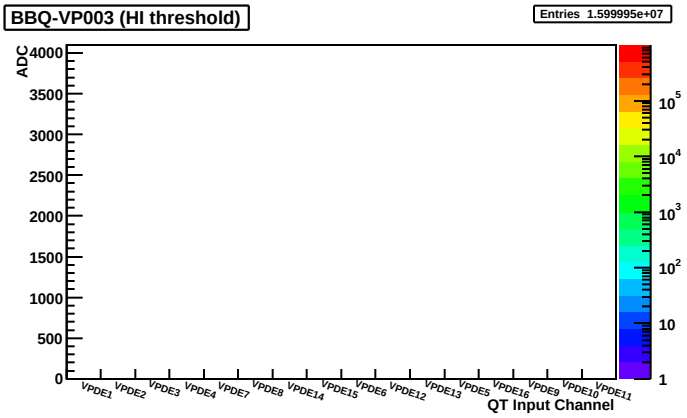

BBQ-ZD001
Entries 1.599995e+07
TAC
QT Input Channel

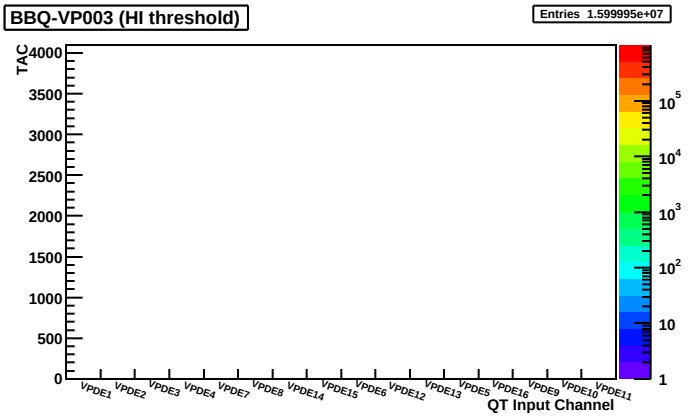

BBQ-VP001 (LO threshold)
Entries 1.599995e+07
ADC
QT Input Channel

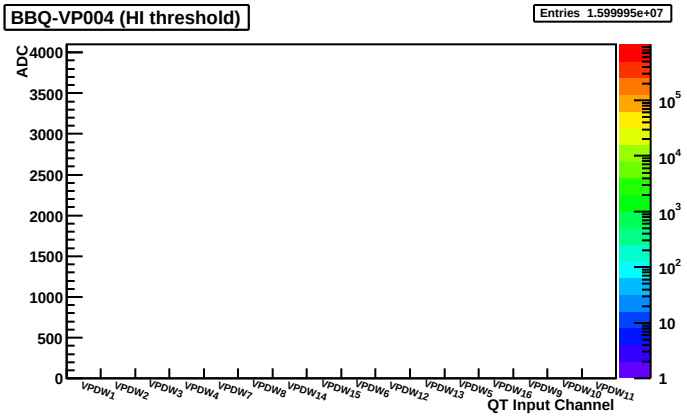

BBQ-VP001 (LO threshold)
Entries 1.599995e+07
TAC
QT Input Channel

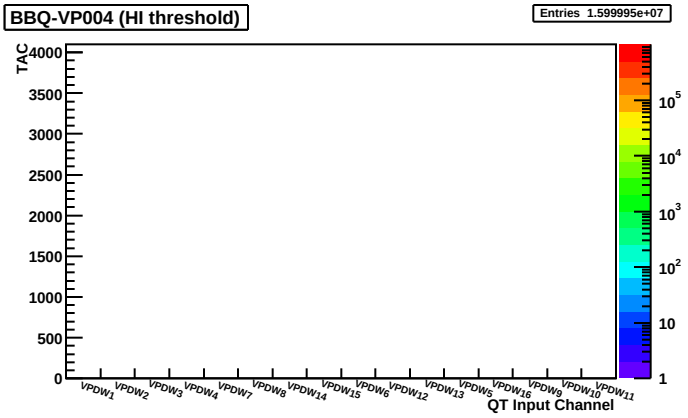

BBQ-VP002 (LO threshold)
Entries 1.599995e+07
ADC
QT Input Channel

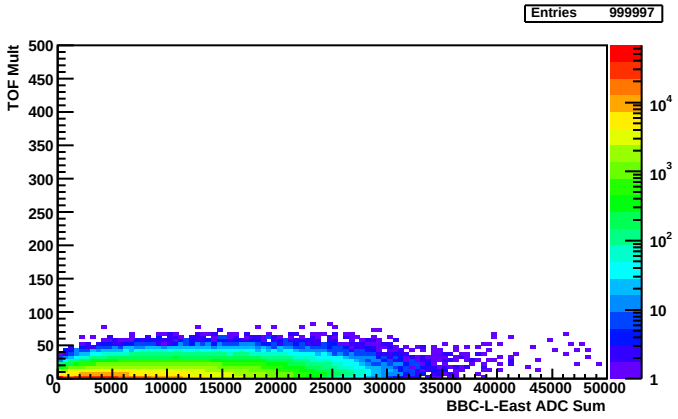

BBQ-VP002 (LO threshold)
Entries 1.599995e+07
TAC
QT Input Channel

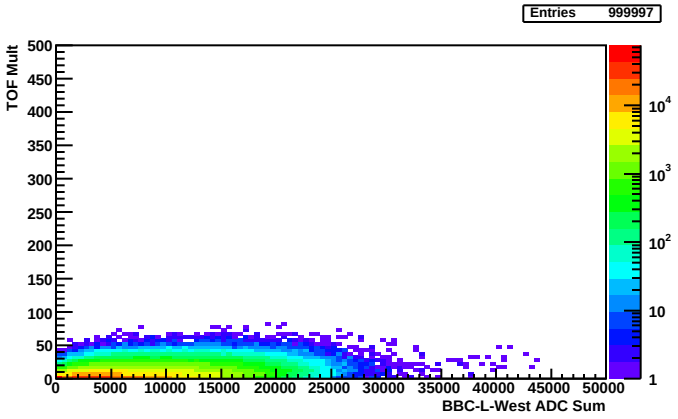

BBQ-VP003 (HI threshold)
Entries 1.599995e+07
ADC
QT Input Channel

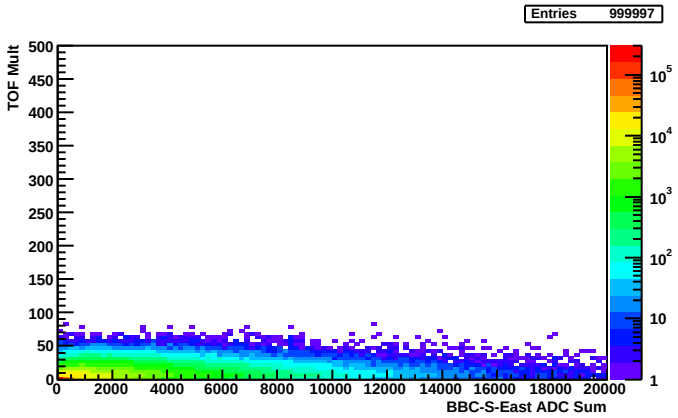

BBQ-VP003 (HI threshold)
Entries 1.599995e+07
TAC
QT Input Channel

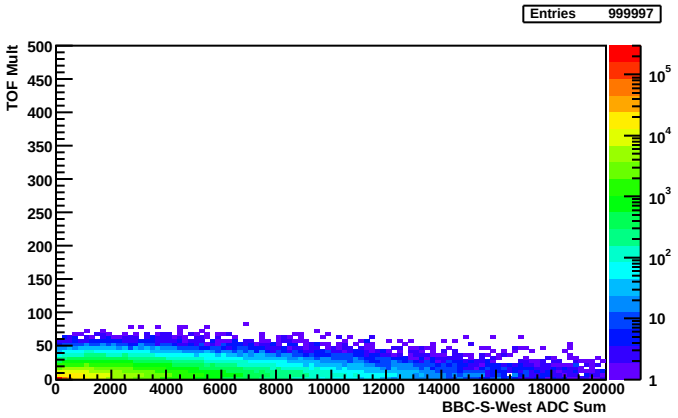

BBQ-VP004 (HI threshold)
Entries 1.599995e+07
ADC
QT Input Channel

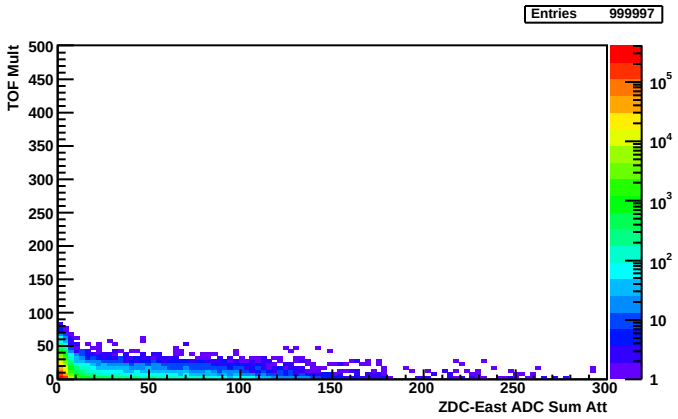

BBQ-VP004 (HI threshold)
Entries 1.599995e+07
TAC
QT Input Channel

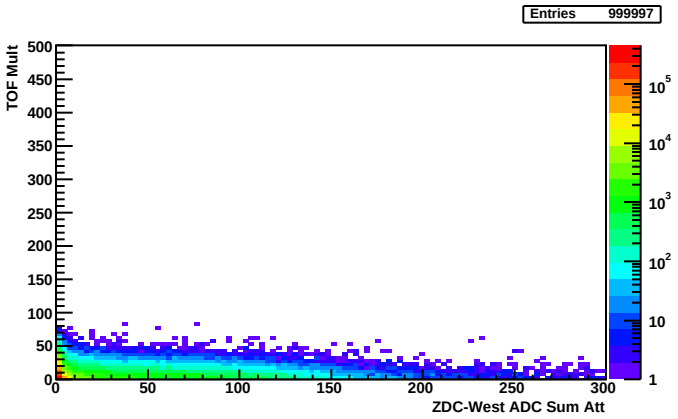

Entries 999997
TOF Mult
BBC-L-East ADC Sum

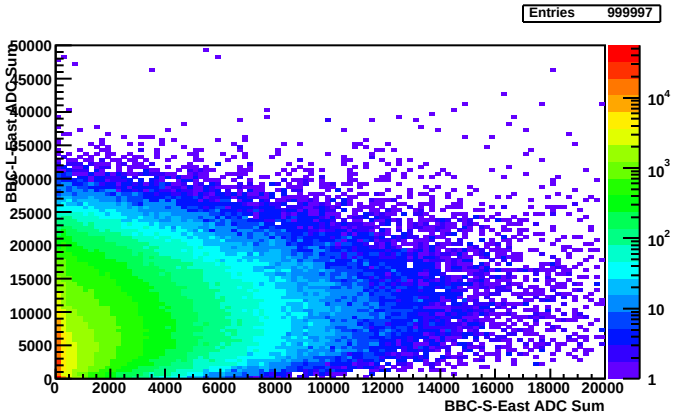

Entries 999997
TOF Mult
BBC-L-West ADC Sum

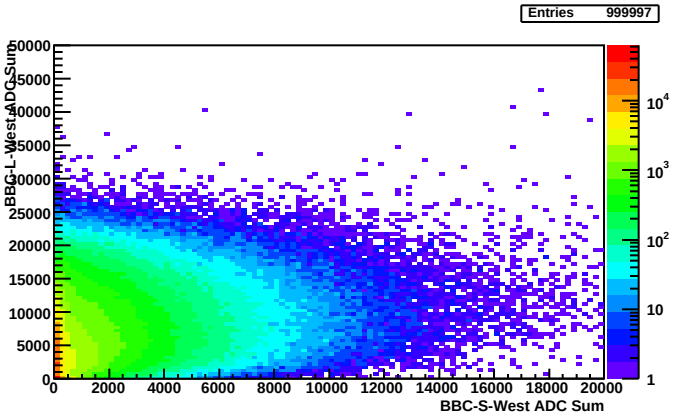

Entries 999997
TOF Mult
BBC-S-East ADC Sum

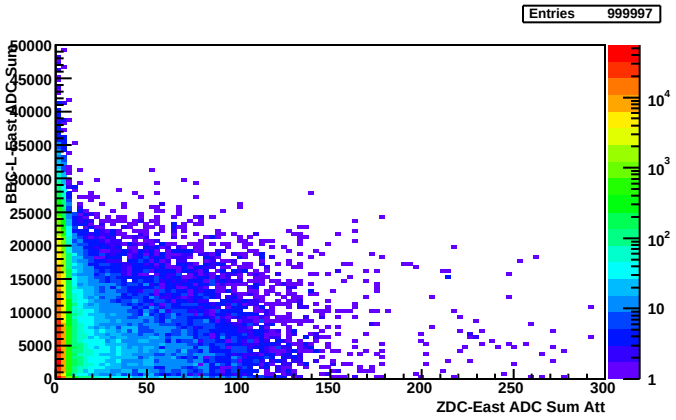

Entries 999997
TOF Mult
BBC-S-West ADC Sum

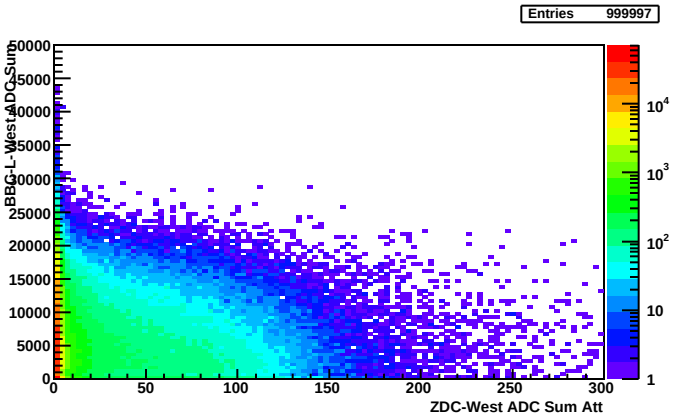

Entries 999997
TOF Mult
ZDC-East ADC Sum Att

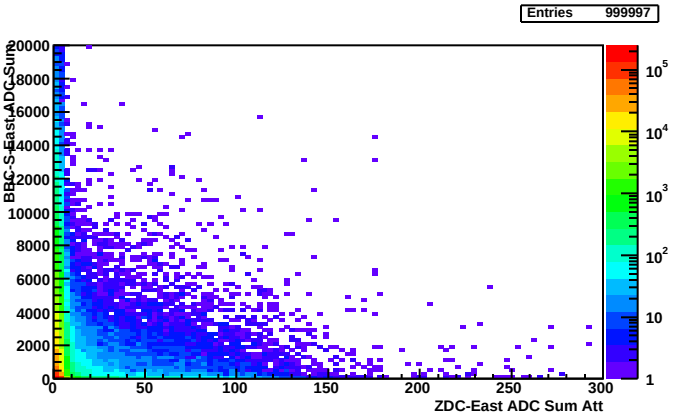

Entries 999997
TOF Mult
ZDC-West ADC Sum Att

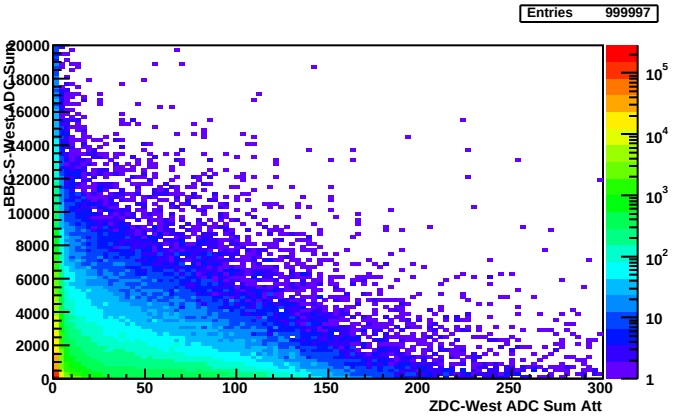

Entries 999997
BBC-L-East ADC Sum
BBC-S-East ADC Sum

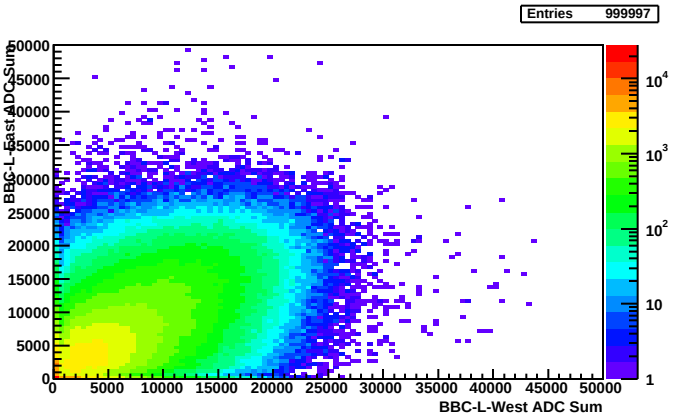

Entries 999997
BBC-L-West ADC Sum
BBC-S-West ADC Sum

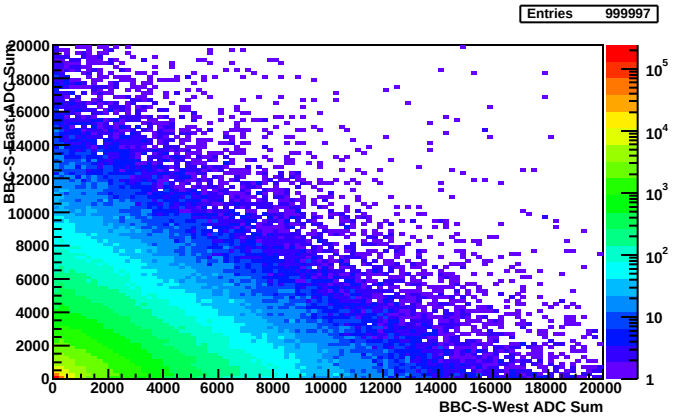

Entries 999997
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

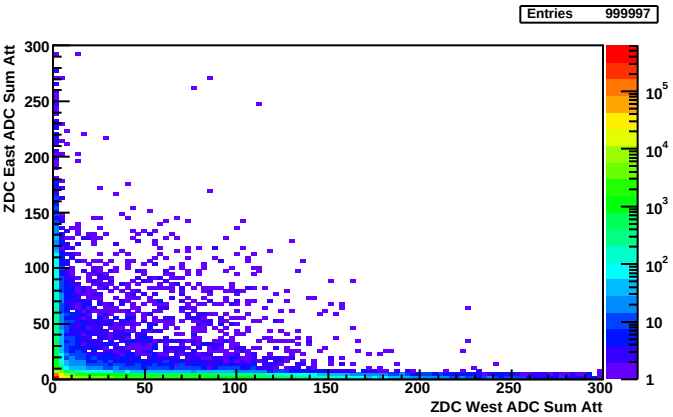

Entries 999997
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

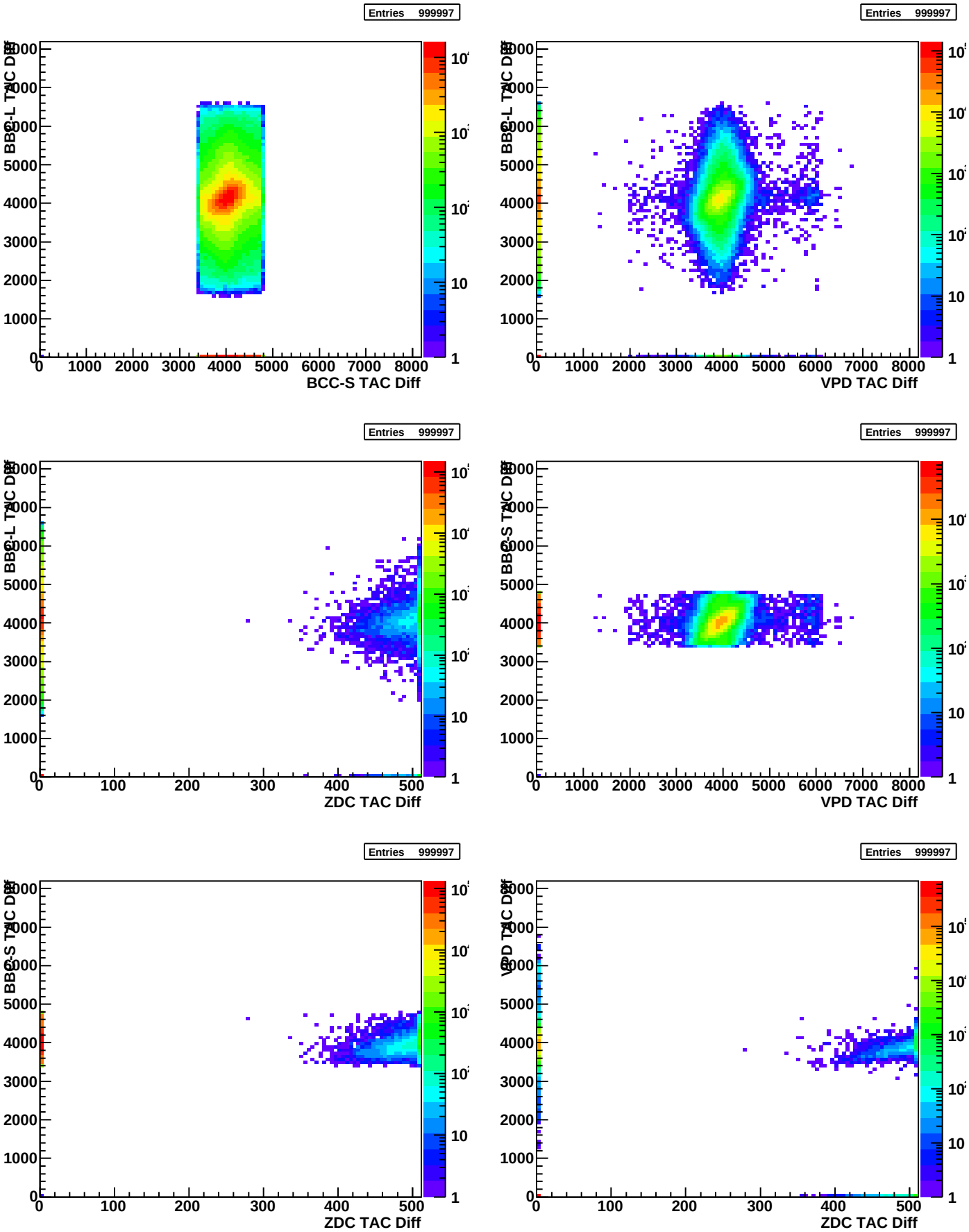

Entries 999997
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

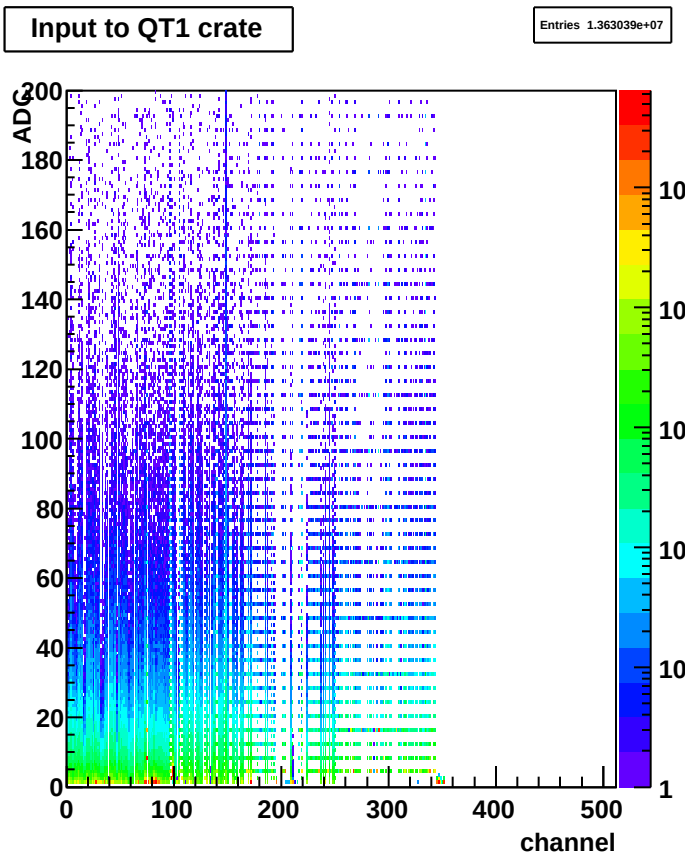

Entries 999997
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

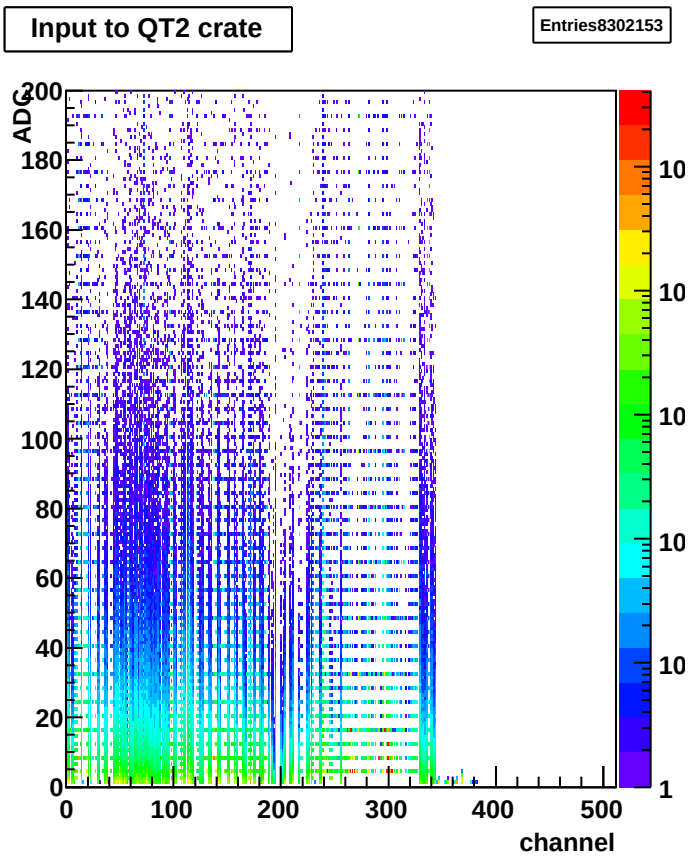

Entries 999997
BBC-L-East ADC Sum
BBC-L-West ADC Sum

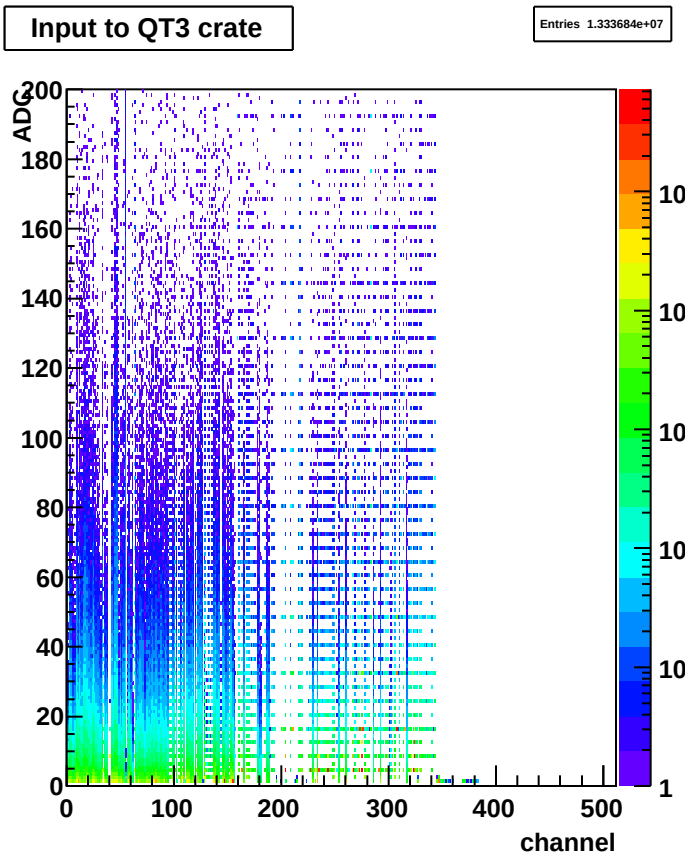

Entries 999997
BBC-S-East ADC Sum
BBC-S-West ADC Sum

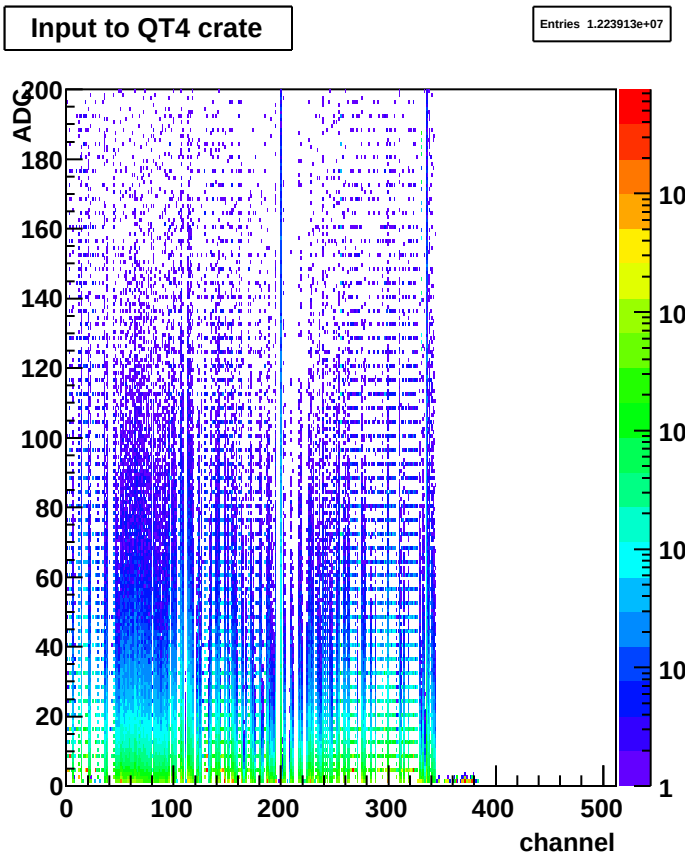

Entries 999997
ZDC East ADC Sum Att
ZDC West ADC Sum Att

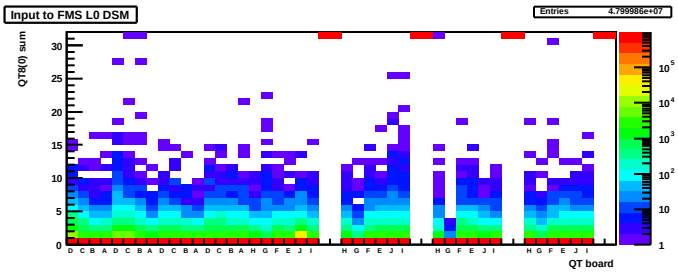

Entries 999997
BBC-L TAC Diff
BCC-S TAC Diff
Entries 999997
BBC-L TAC Diff
VPD TAC Diff
Entries 999997
BBC-L TAC Diff
ZDC TAC Diff
Entries 999997
BBC-S TAC Diff
VPD TAC Diff
Entries 999997
BBC-S TAC Diff
ZDC TAC Diff
Entries 999997
VPD TAC Diff
ZDC TAC Diff

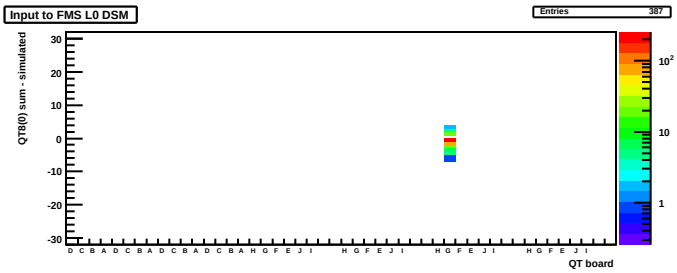

Input to QT1 crate
Entries 1.363039e+07
ADC
channel

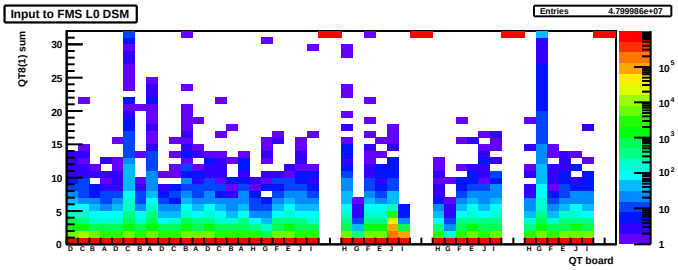

Input to QT2 crate
Entries8302153
ADC
channel

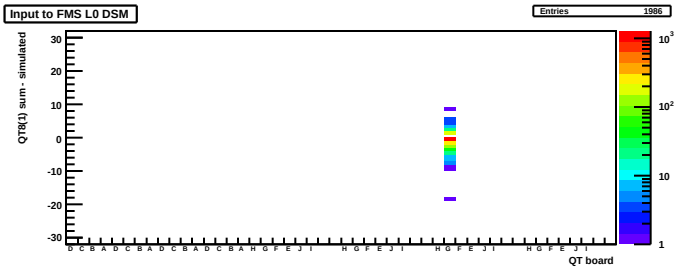

Input to QT3 crate
Entries 1.333684e+07
ADC
channel

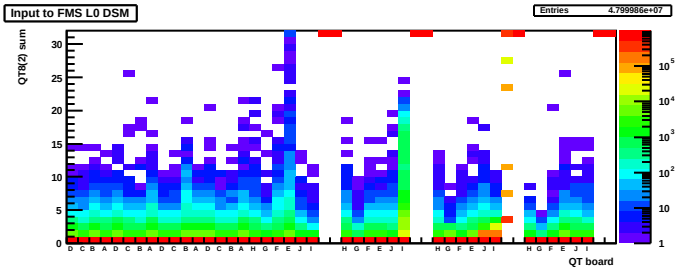

Input to QT4 crate
Entries 1.223913e+07
ADC
channel

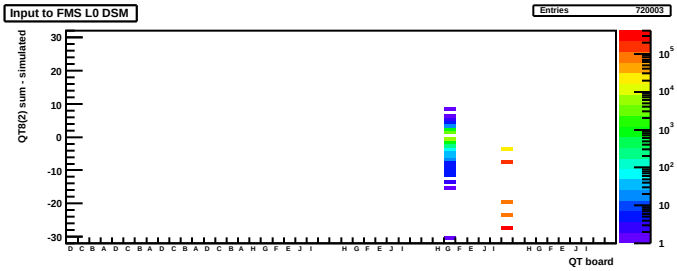

Input to FMS L0 DSM
Entries 4.799986e+07
QT8(0) sum
QT board

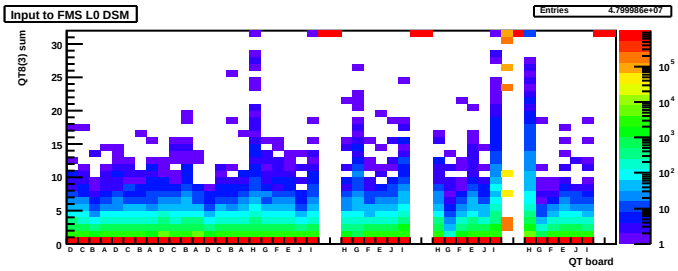

Input to FMS L0 DSM
Entries 387
QT8(0) sum - simulated
QT board

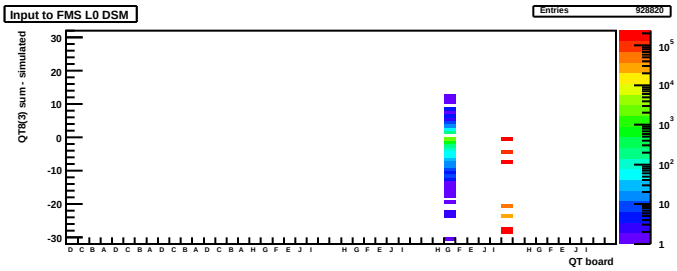

Input to FMS L0 DSM
Entries 4.799986e+07
QT8(1) sum
QT board

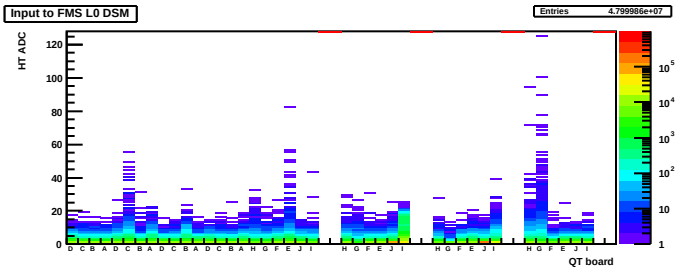

Input to FMS L0 DSM
Entries 1986
QT8(1) sum - simulated
QT board

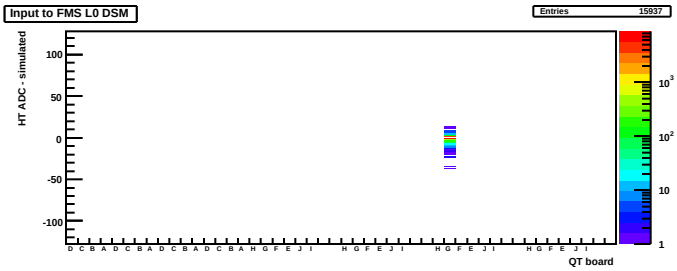

Input to FMS L0 DSM
Entries 4.799986e+07
QT8(2) sum
QT board

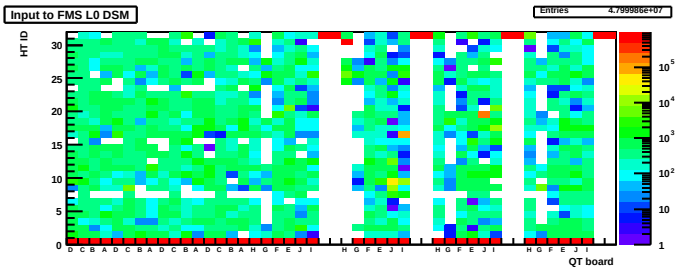

Input to FMS L0 DSM
Entries 720003
QT8(2) sum - simulated
QT board

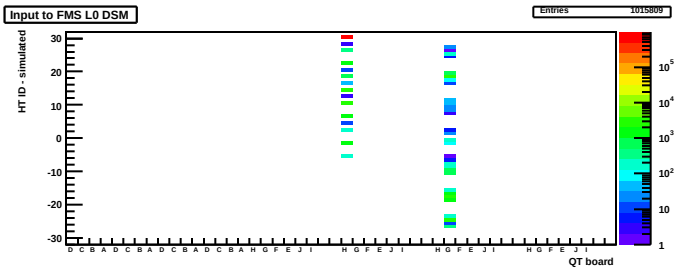

Input to FMS L0 DSM
Entries 4.799986e+07
QT8(3) sum
QT board

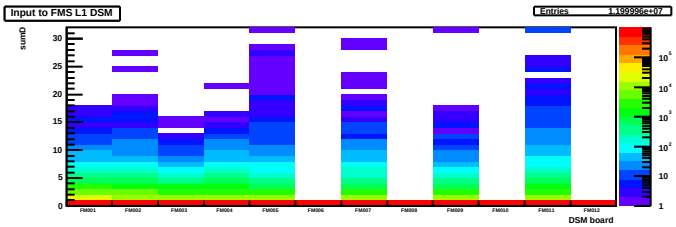

Input to FMS L0 DSM
Entries 928820
QT8(3) sum - simulated
QT board

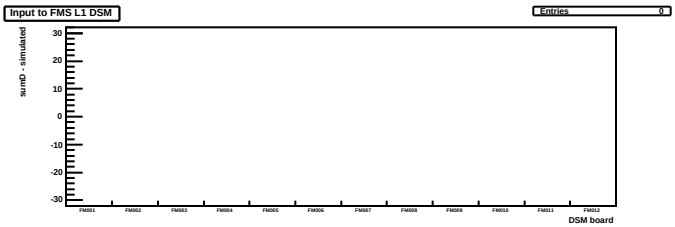

Input to FMS L0 DSM
Entries 4.799986e+07
HT ADC
QT board

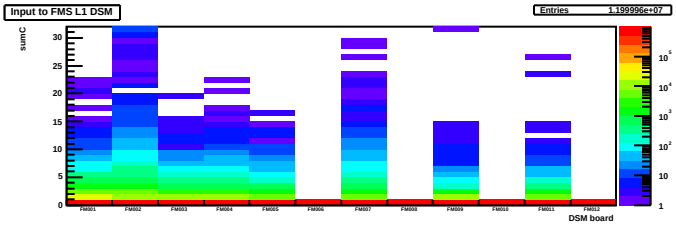

Input to FMS L0 DSM
Entries 15937
HT ADC - simulated
QT board

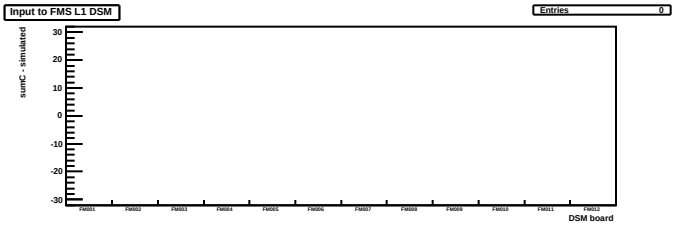

Input to FMS L0 DSM
Entries 4.799986e+07
HT ID
QT board

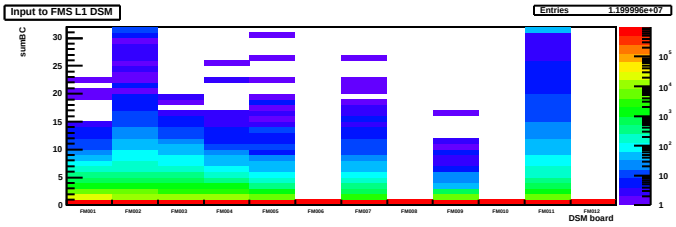

Input to FMS L0 DSM
Entries 1015809
HT ID - simulated
QT board

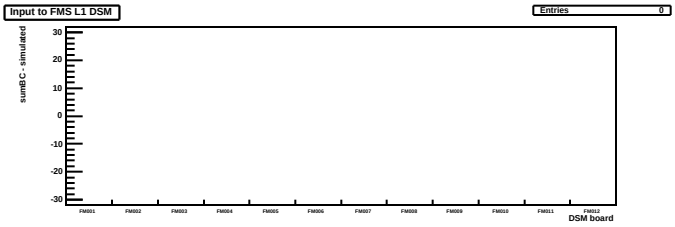

Input to FMS L1 DSM
Entries 1.199996e+07
sumD
DSM board

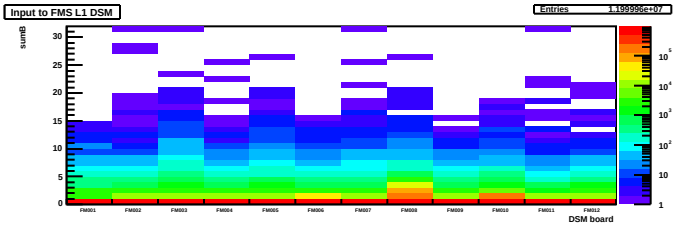

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

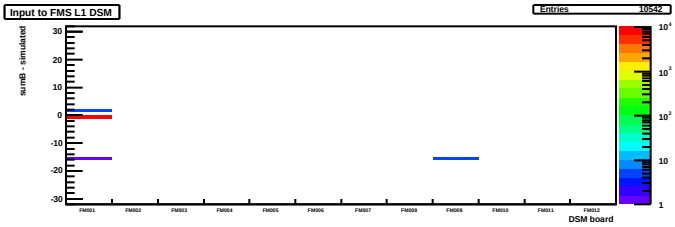

Input to FMS L1 DSM
Entries 1.199996e+07
sumC
DSM board

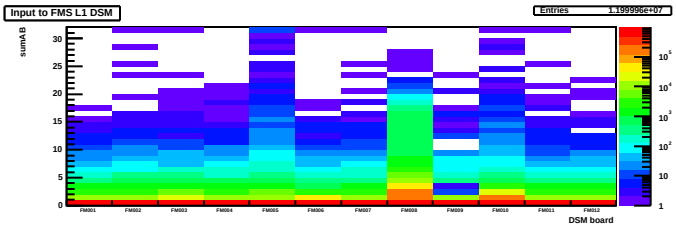

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

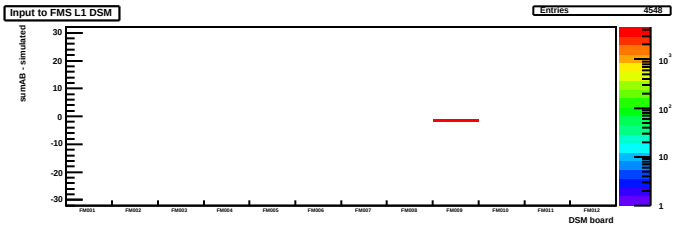

Input to FMS L1 DSM
Entries 1.199996e+07
sumBC
DSM board

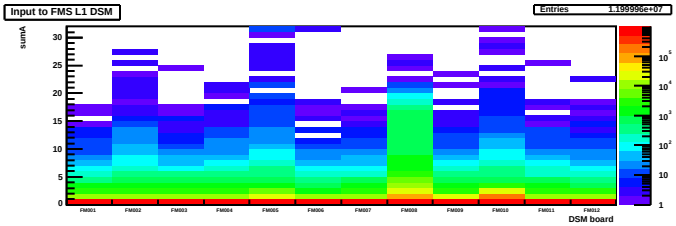

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

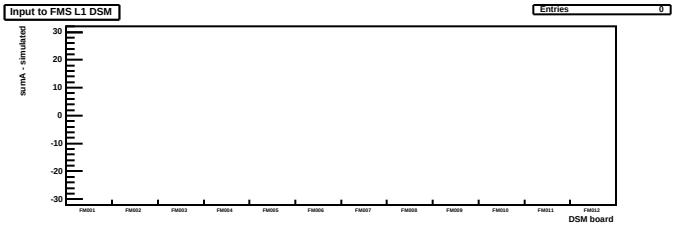

Input to FMS L1 DSM
Entries 1.199996e+07
sumB
DSM board

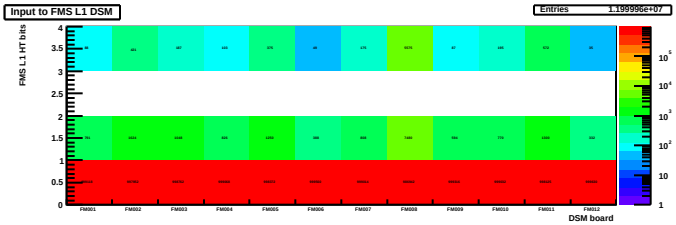

Input to FMS L1 DSM
Entries 10542
sumB - simulated
DSM board

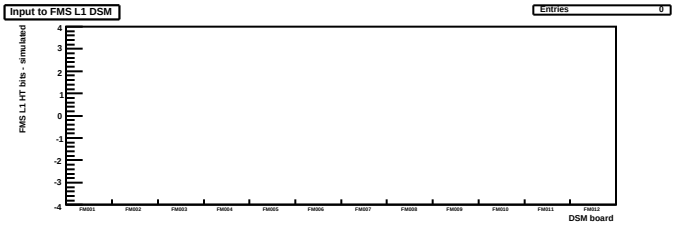

Input to FMS L1 DSM
Entries 1.199996e+07
sumAB
DSM board

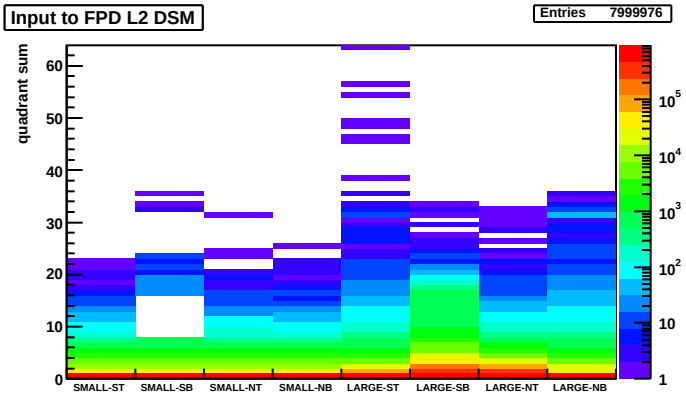

Input to FMS L1 DSM
Entries 4548
sumAB - simulated
DSM board

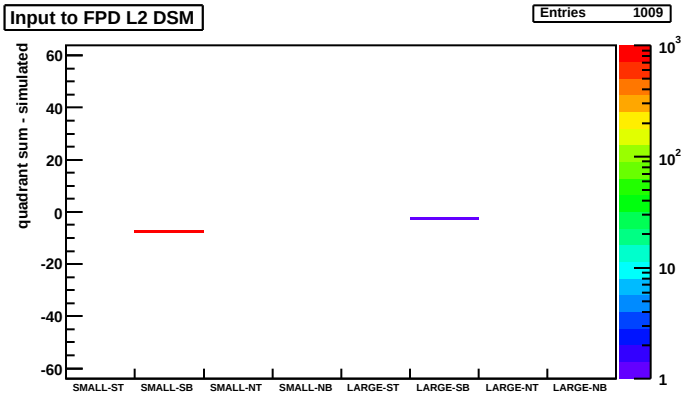

Input to FMS L1 DSM
Entries 1.199996e+07
sumA
DSM board

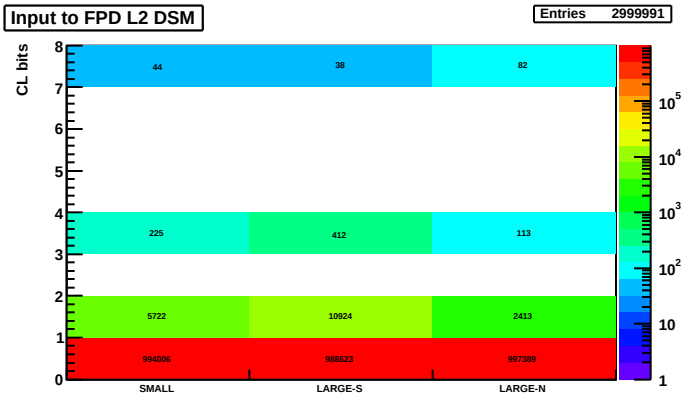

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

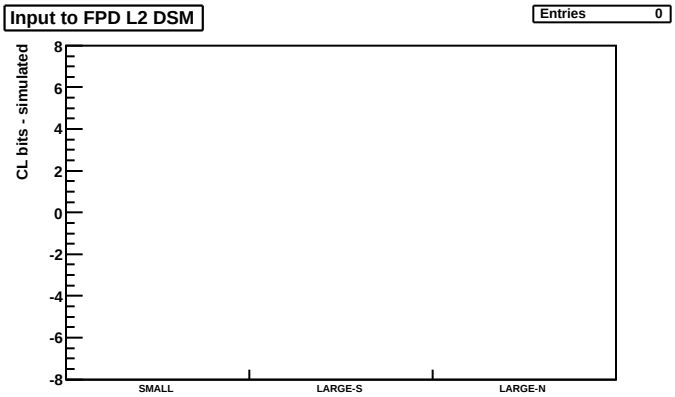

Input to FMS L1 DSM
Entries 1.199996e+07
FMS L1 HT bits
DSM board

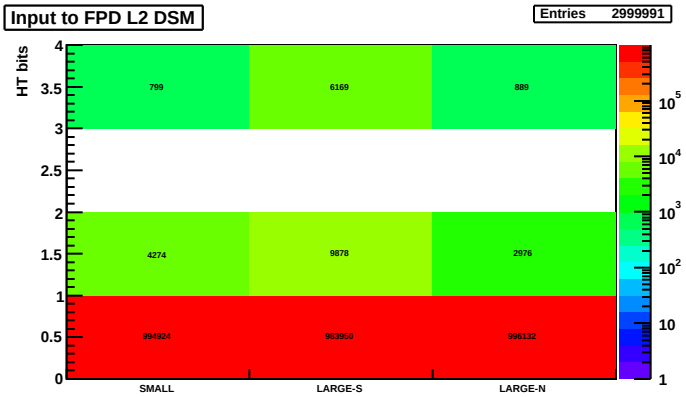

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

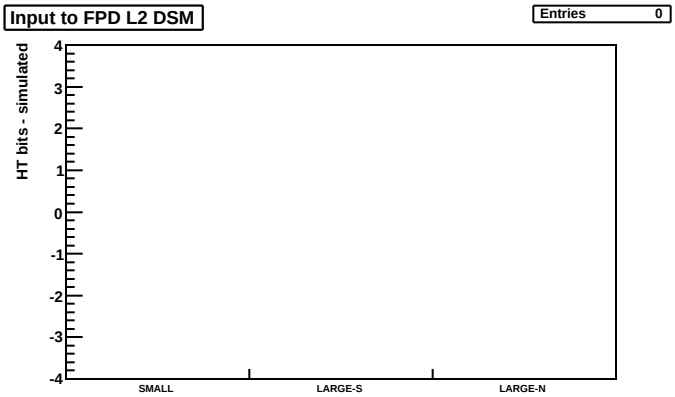

Input to FPD L2 DSM
Entries 7999976
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

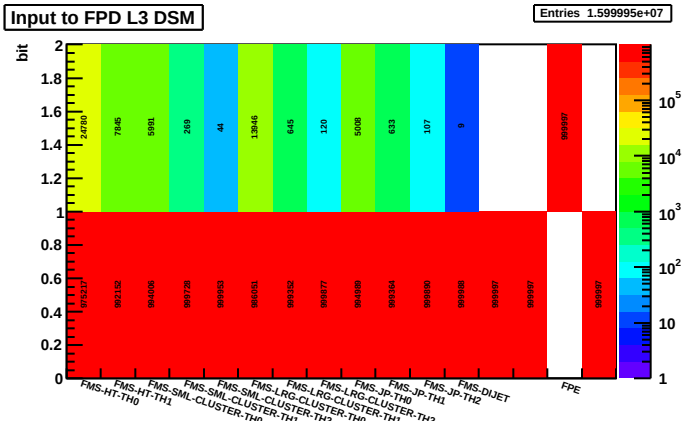

Input to FPD L2 DSM
Entries 1009
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

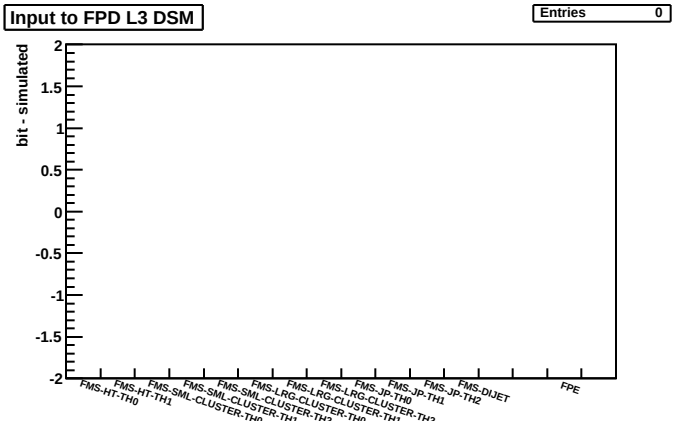

Input to FPD L2 DSM
Entries 2999991
CL bits
44
38
82
225
412
113
5722
10924
2413
994006
988623
997389
SMALL
LARGE-S
LARGE-N

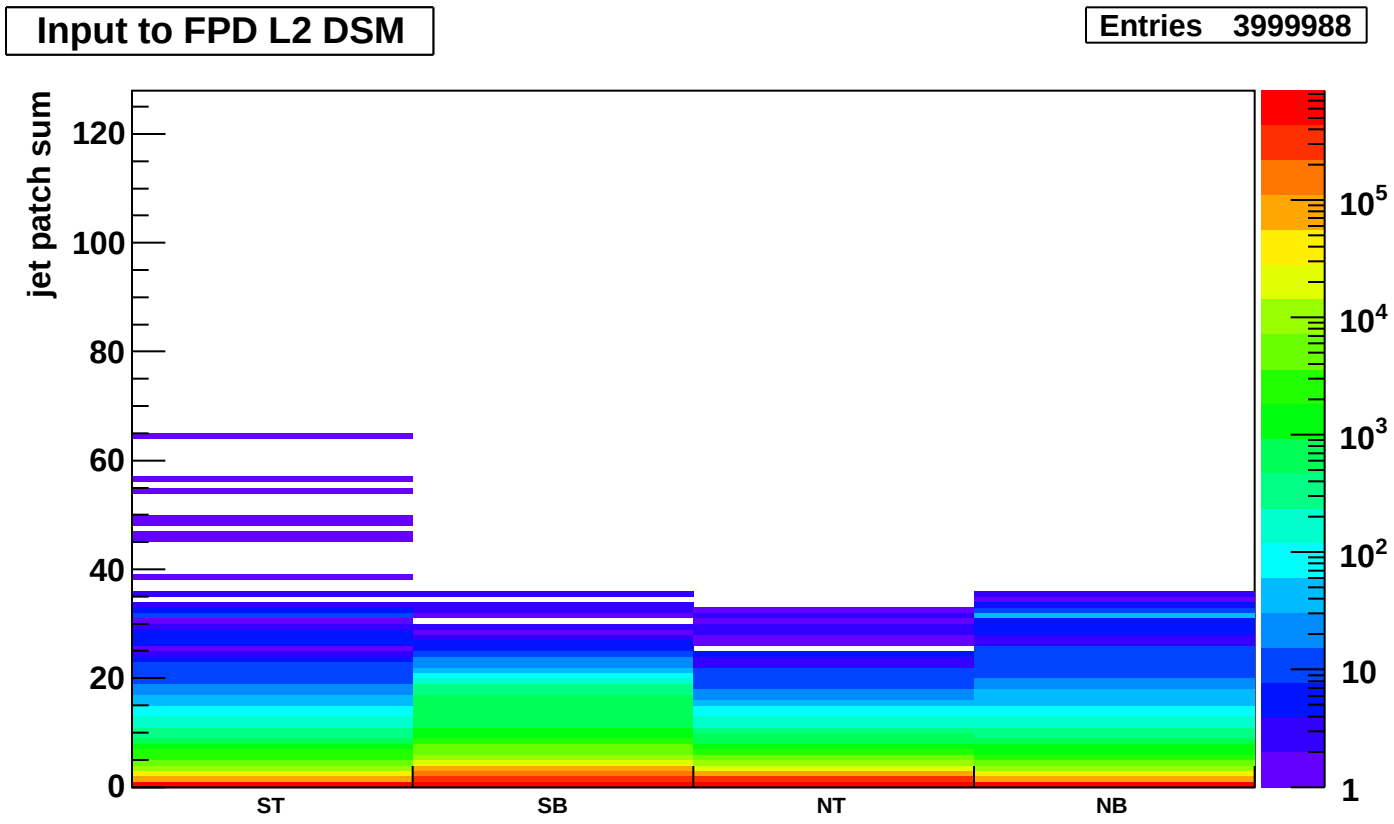

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

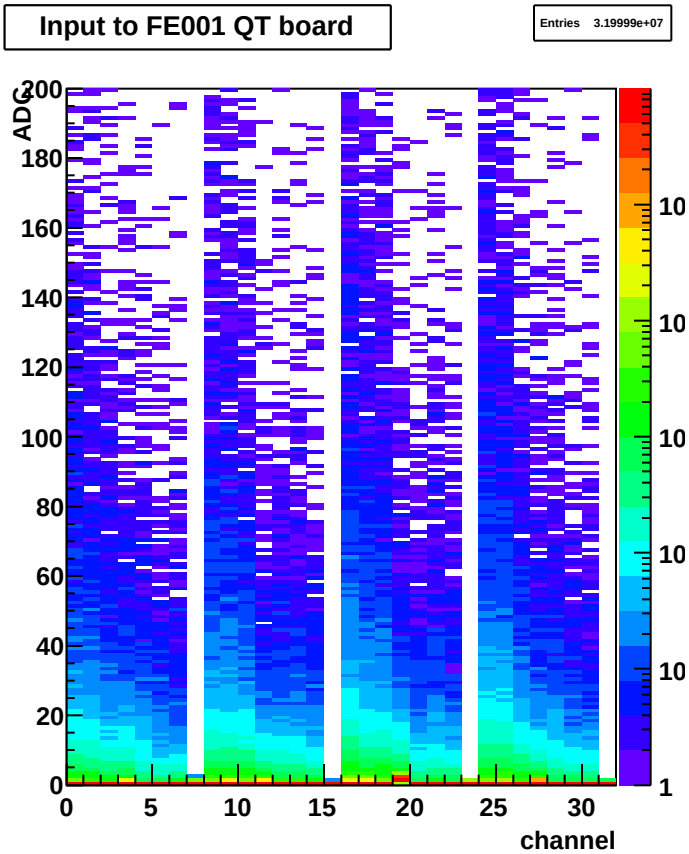

Input to FPD L2 DSM
Entries 2999991
HT bits
799
6169
889
4274
9878
2976
994924
983950
996132
SMALL
LARGE-S
LARGE-N

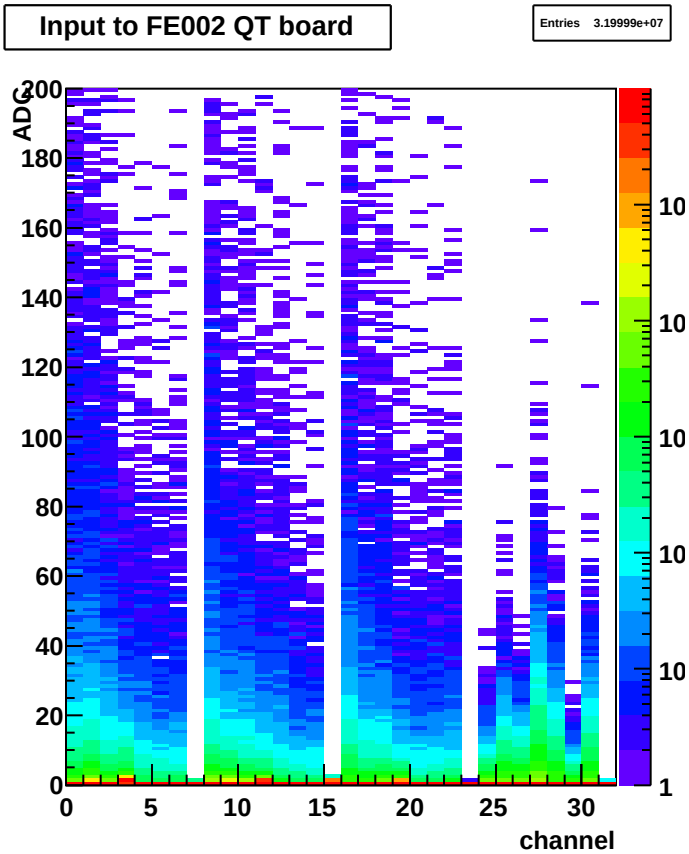

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

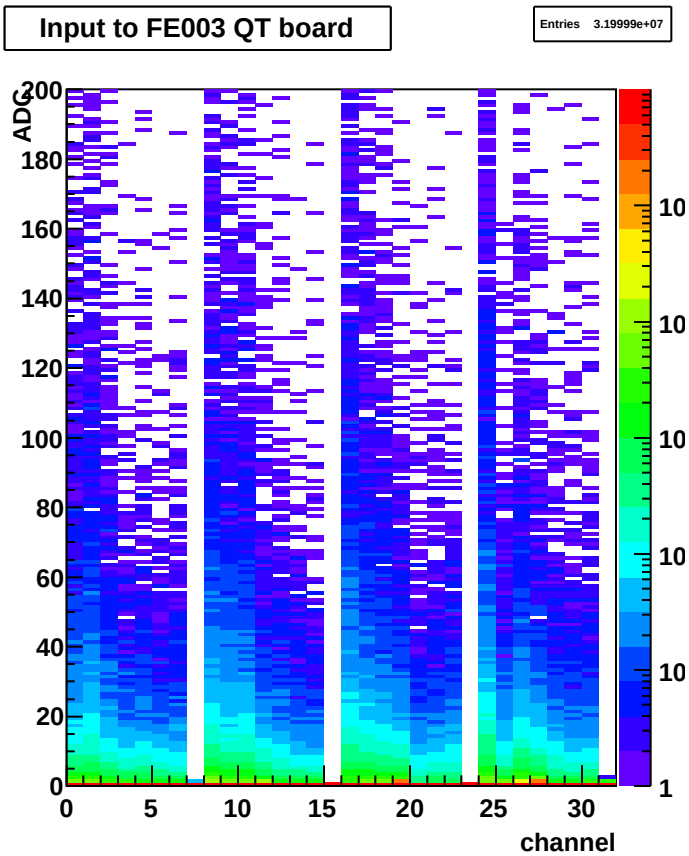

Input to FPD L3 DSM
Entries 1.599995e+07
bit
24700
7845
5991
269
44
13946
645
120
5008
633
107
9
999997
975217
992152
994006
999728
999933
986051
999332
999977
994989
999364
999990
999998
999997
999997
999997
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

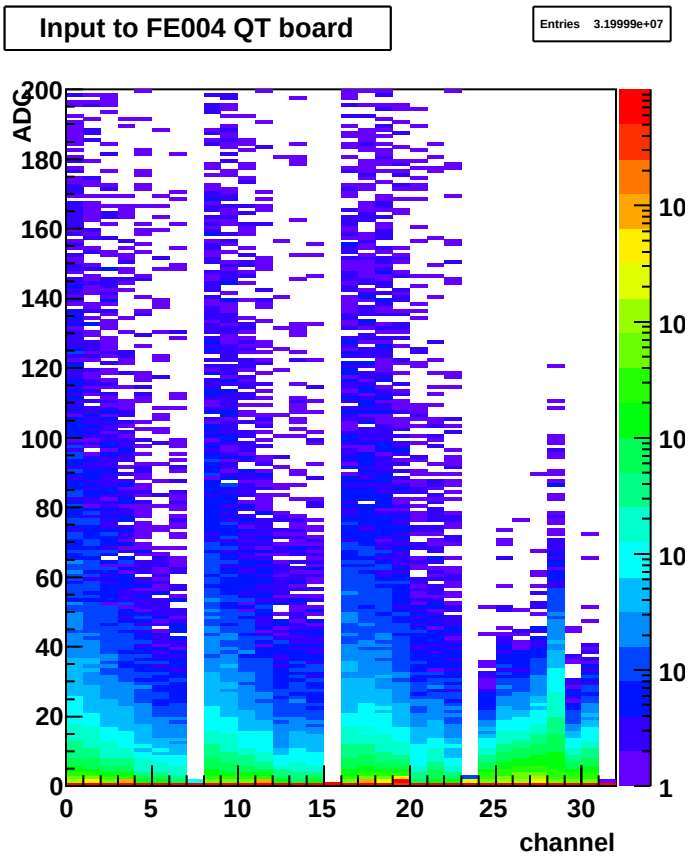

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

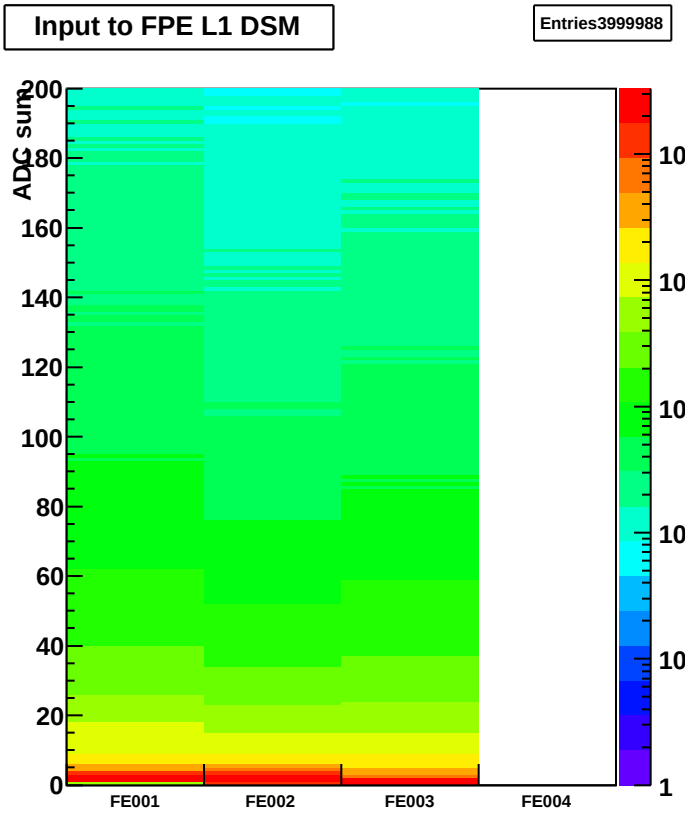

Input to FPD L2 DSM
Entries 3999988
jet patch sum
120
100
80
60
40
20
0
ST
SB
NT
NB
10^5
10^4
10^3
10^2
10
1

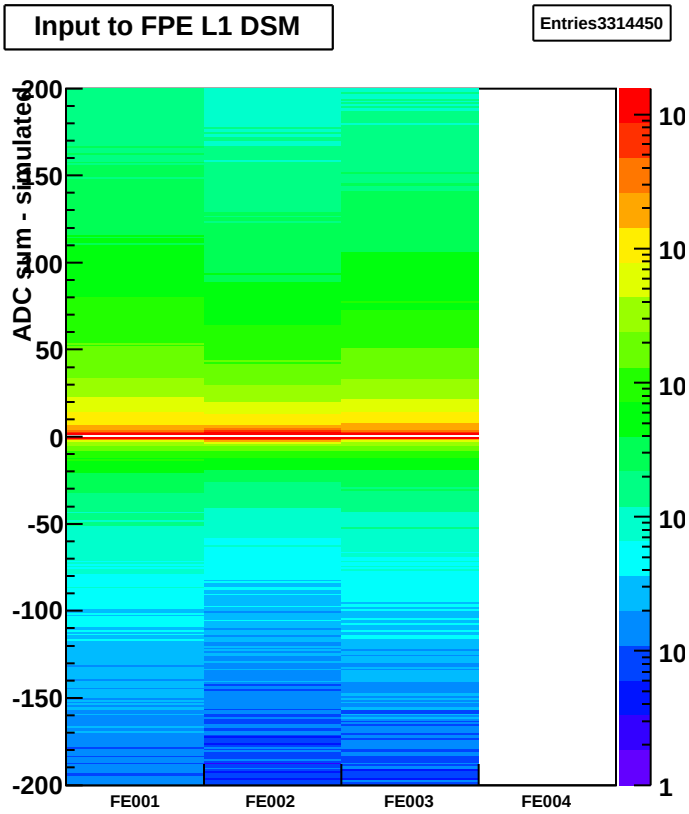

Input to FE001 QT board
Entries 3.19999e+07
ADC
channel

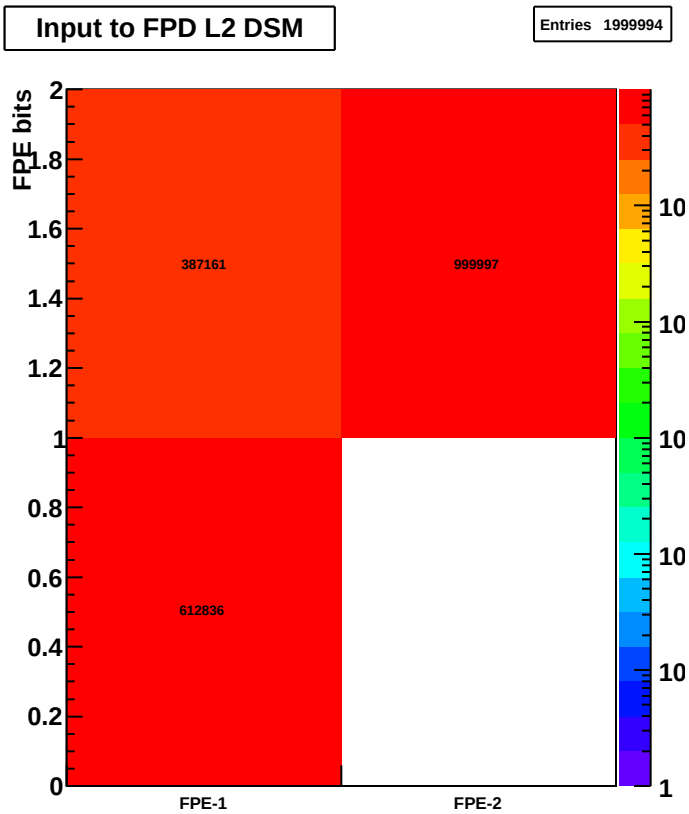

Input to FE002 QT board
Entries 3.19999e+07
ADC
channel

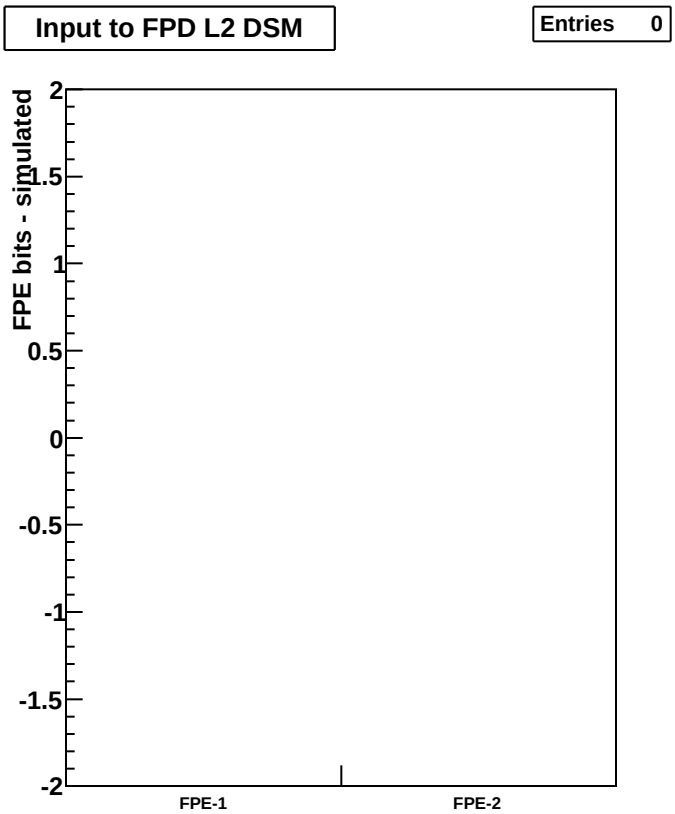

Input to FE003 QT board
Entries 3.19999e+07
ADC
channel


Input to FE004 QT board
Entries 3.19999e+07
ADC
channel


Input to FPE L1 DSM
Entries3999988
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries3314450
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 1999994
FPE bits
387161
999997
612836
FPE-1
FPE-2


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