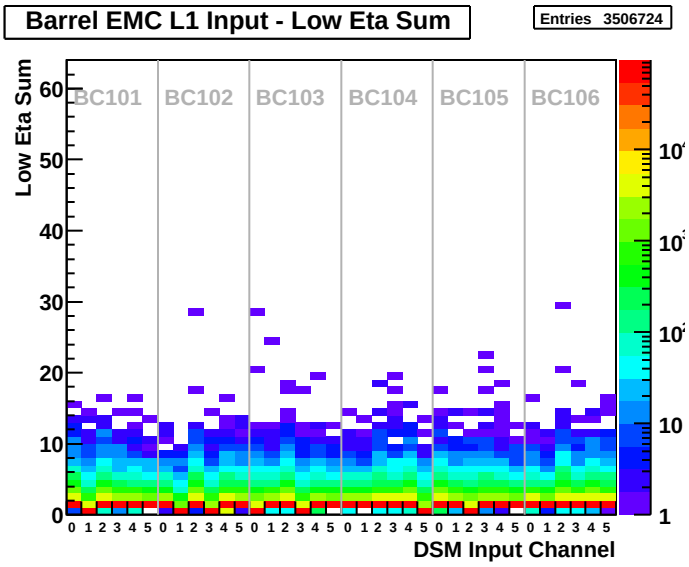
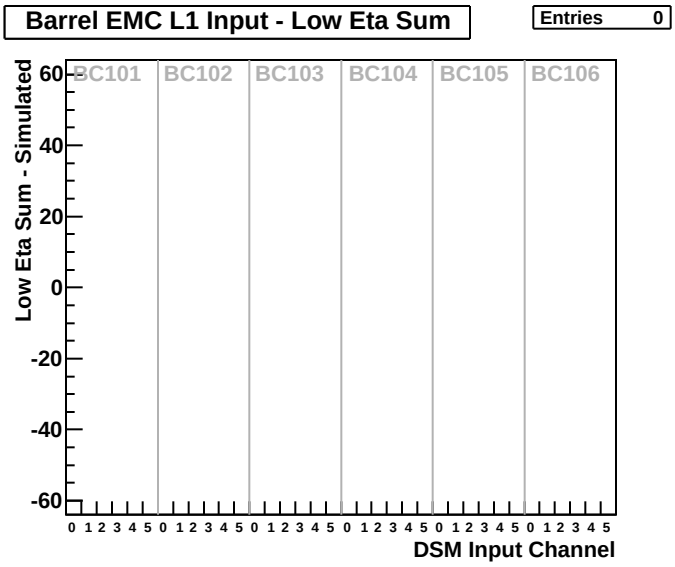
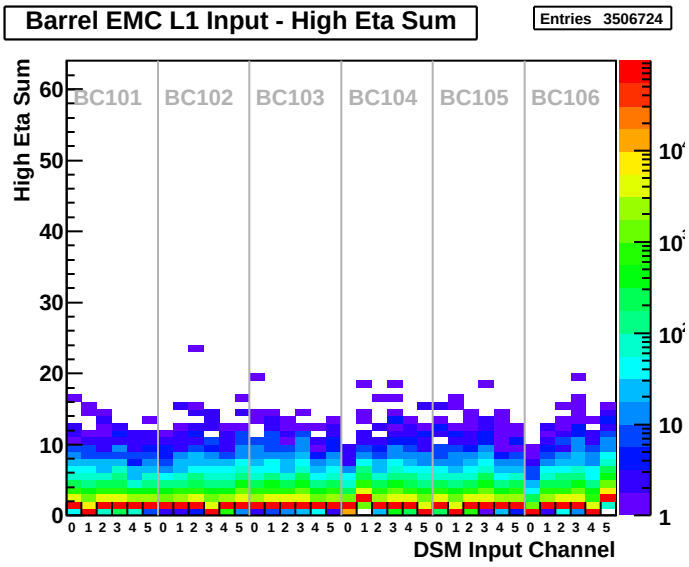
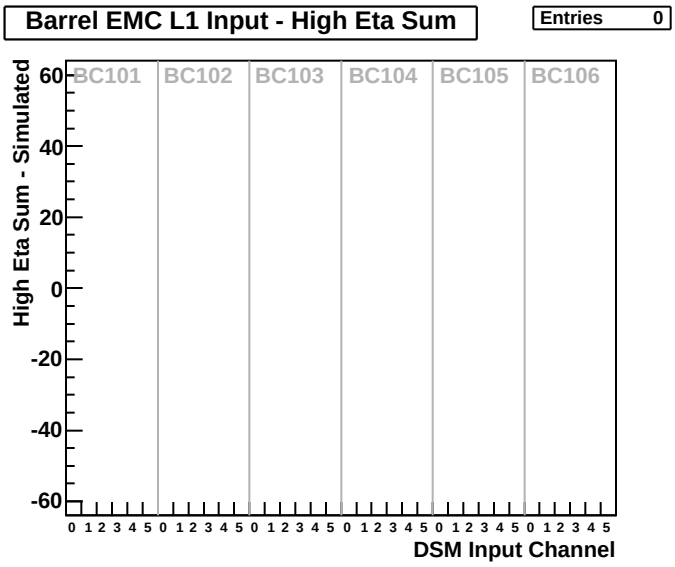
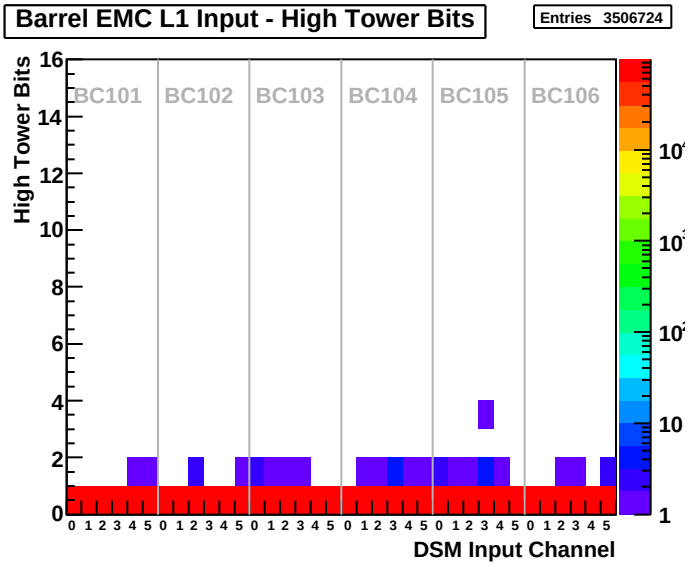
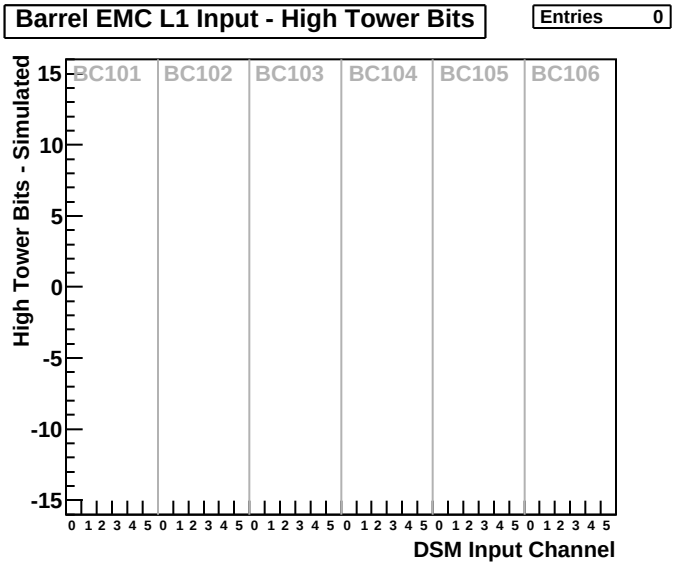

Barrel EMC L1 Input - Low Eta Sum
Entries 3506724
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

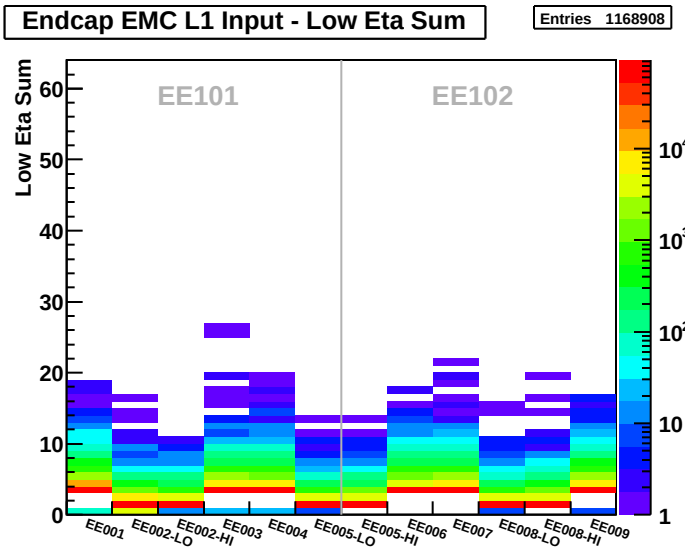

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

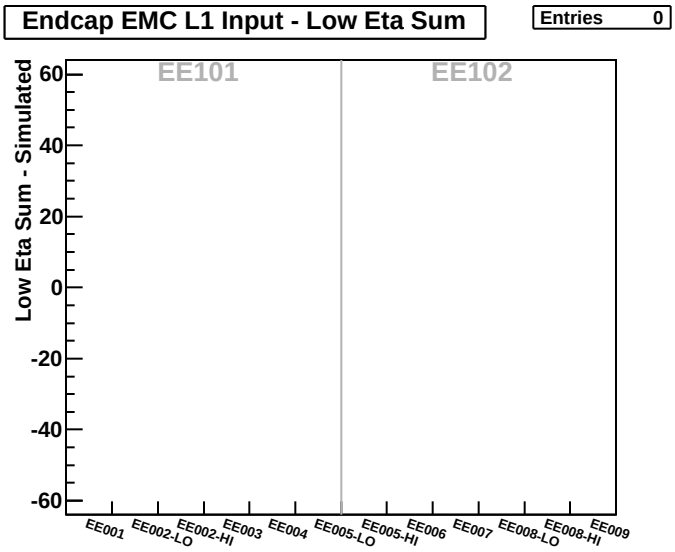

Barrel EMC L1 Input - High Eta Sum
Entries 3506724
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

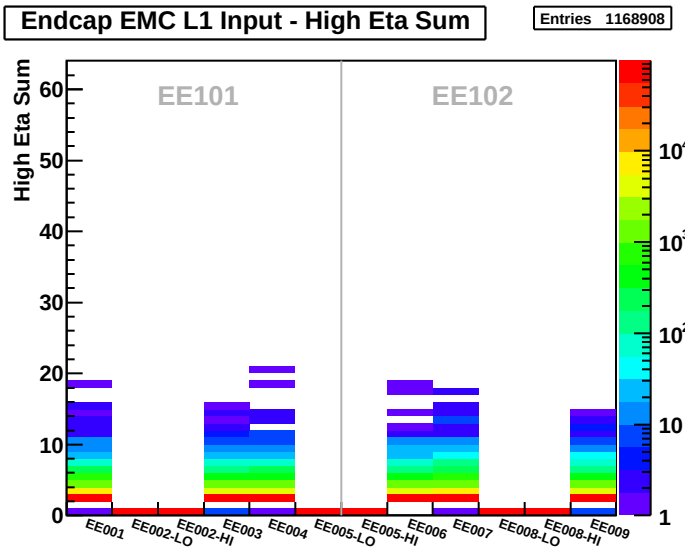

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

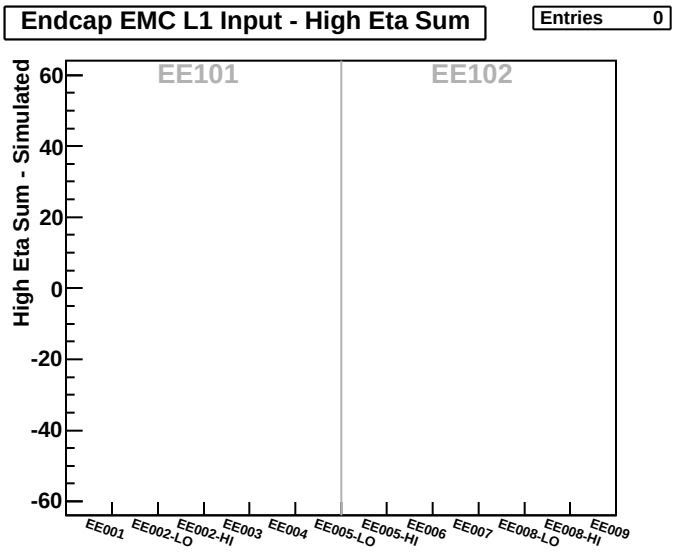

Barrel EMC L1 Input - High Tower Bits
Entries 3506724
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

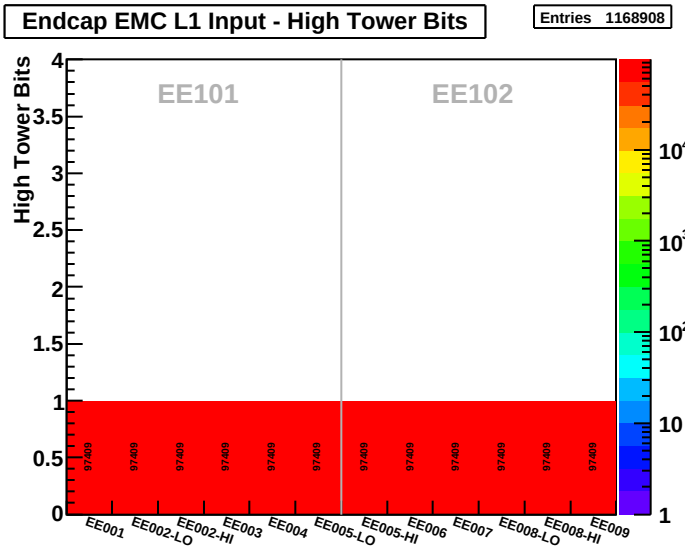

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

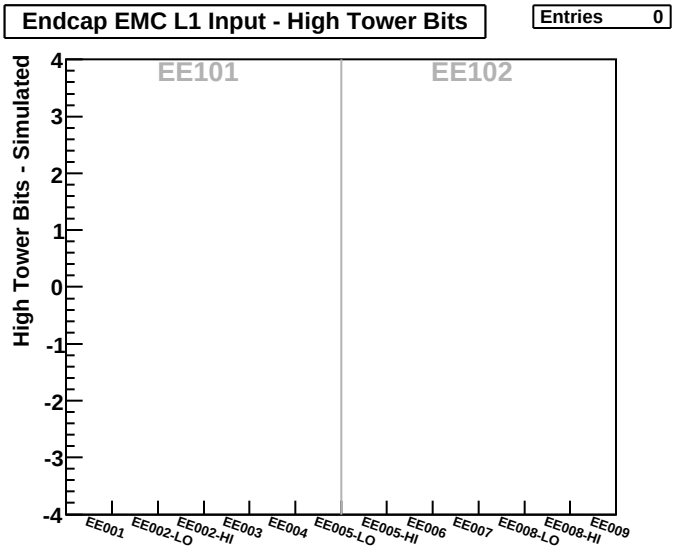

Endcap EMC L1 Input - Low Eta Sum
Entries 1168908
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

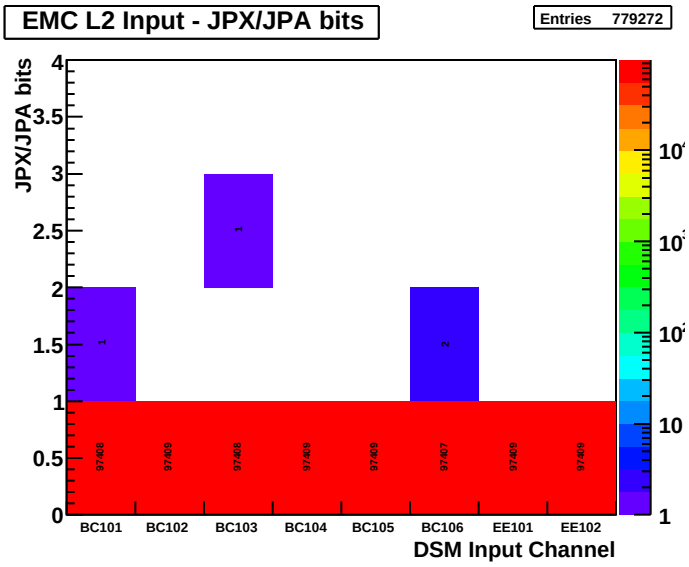

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

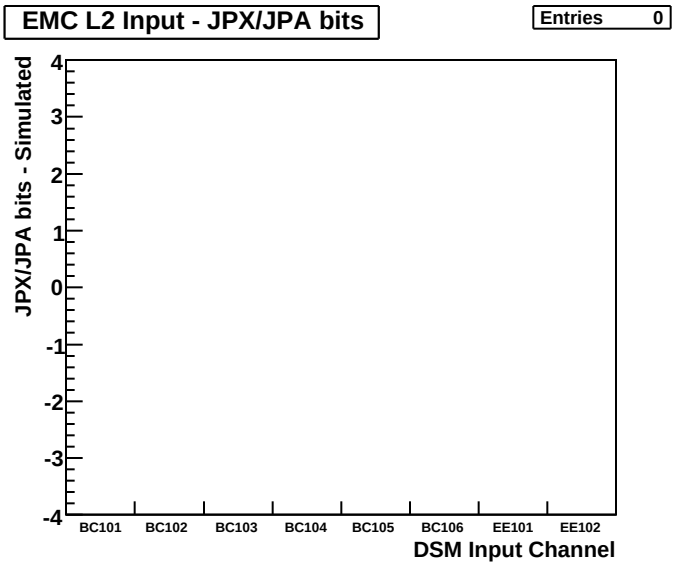

Endcap EMC L1 Input - High Eta Sum
Entries 1168908
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

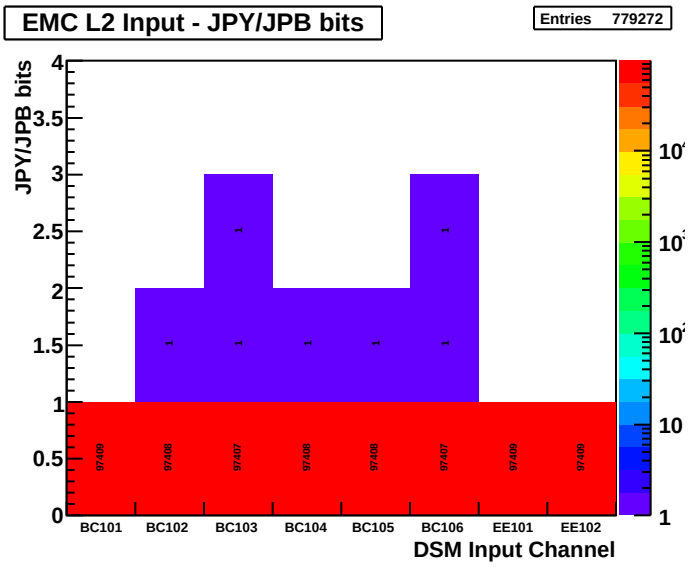

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

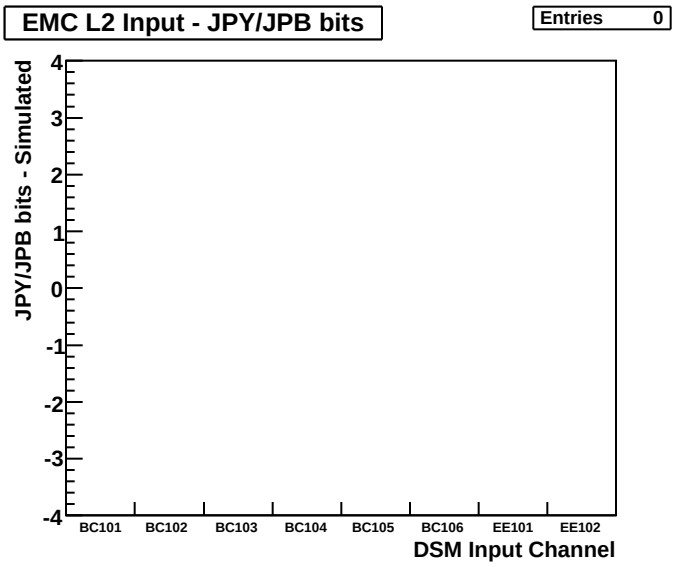

Endcap EMC L1 Input - High Tower Bits
Entries 1168908
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

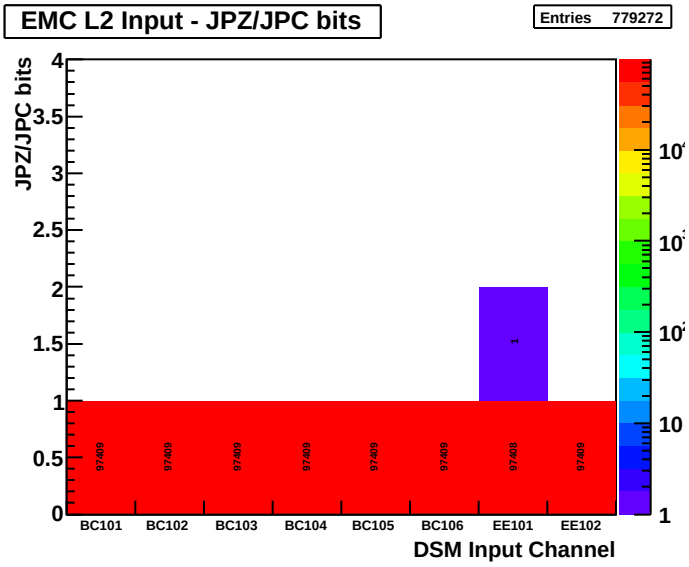

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

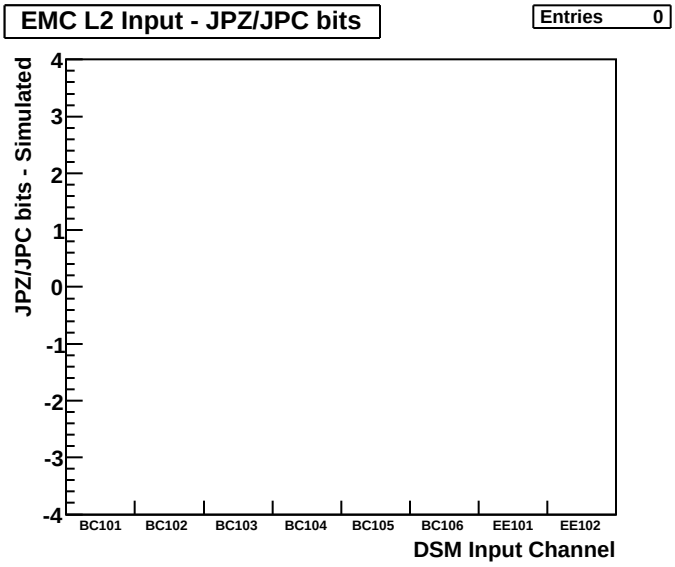

EMC L2 Input - JPX/JPA bits
Entries 779272
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

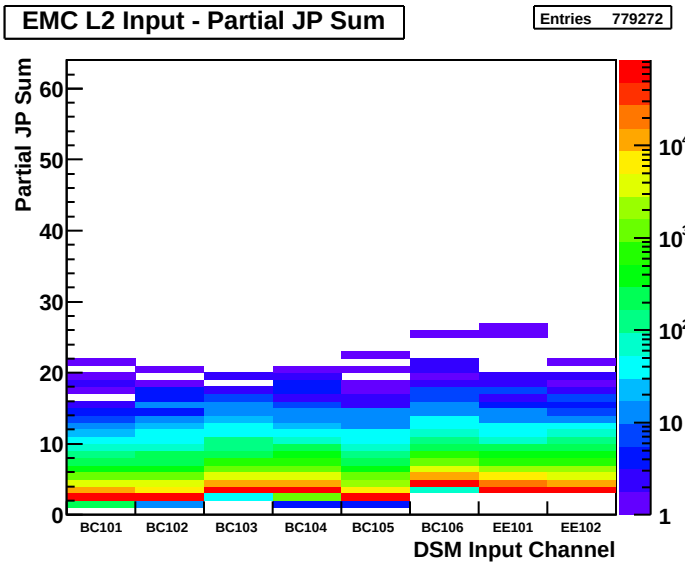

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

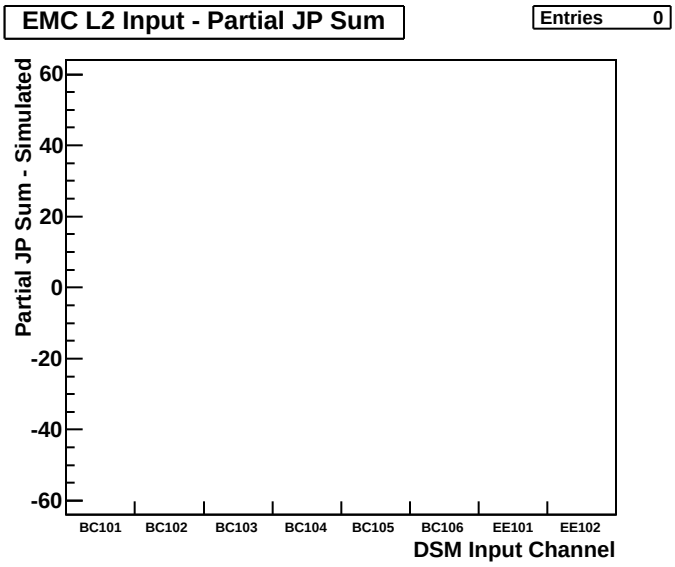

EMC L2 Input - JPY/JPB bits
Entries 779272
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

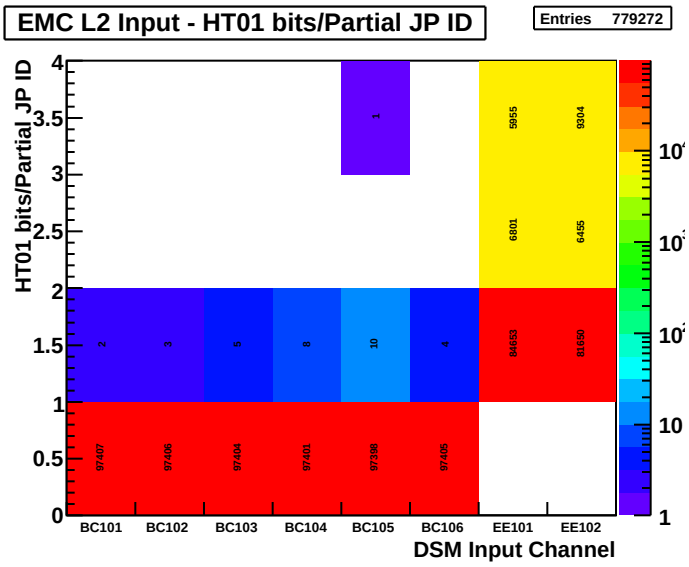

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

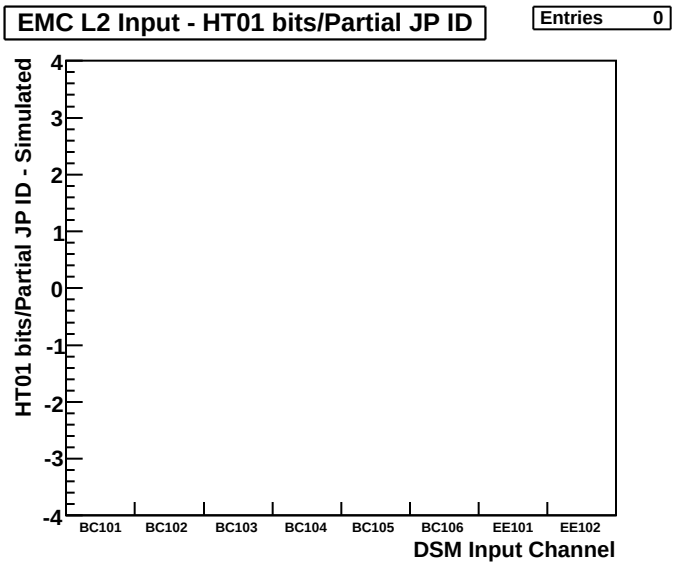

EMC L2 Input - JPZ/JPC bits
Entries 779272
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

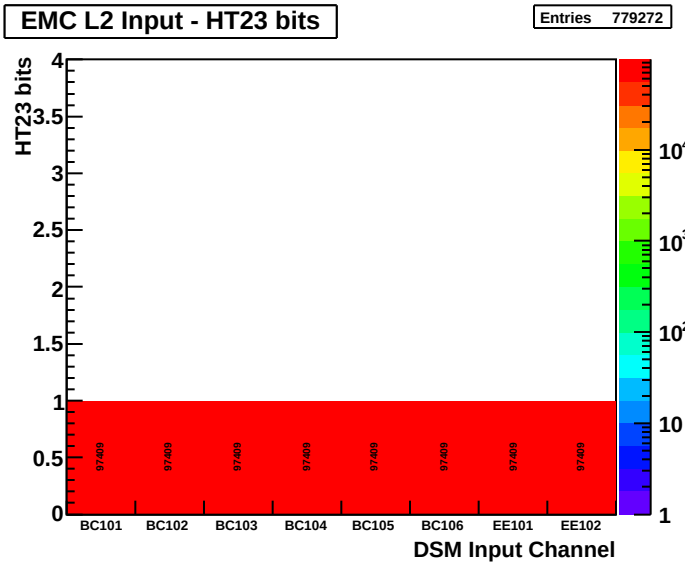

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

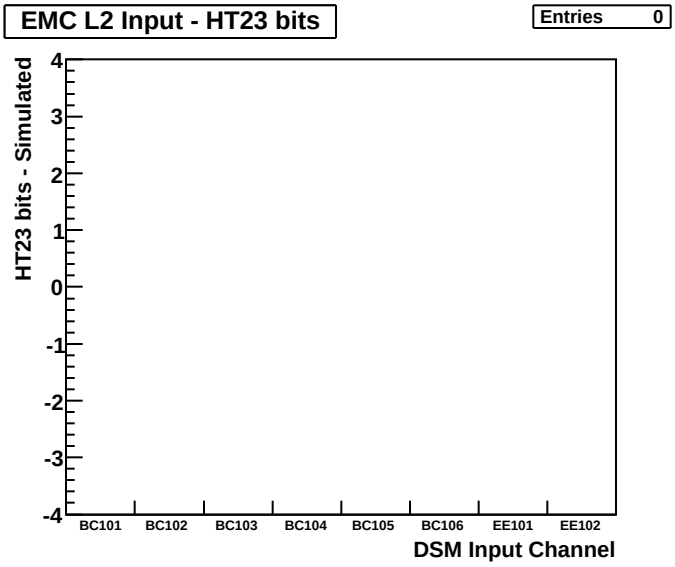

EMC L2 Input - Partial JP Sum
Entries 779272
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

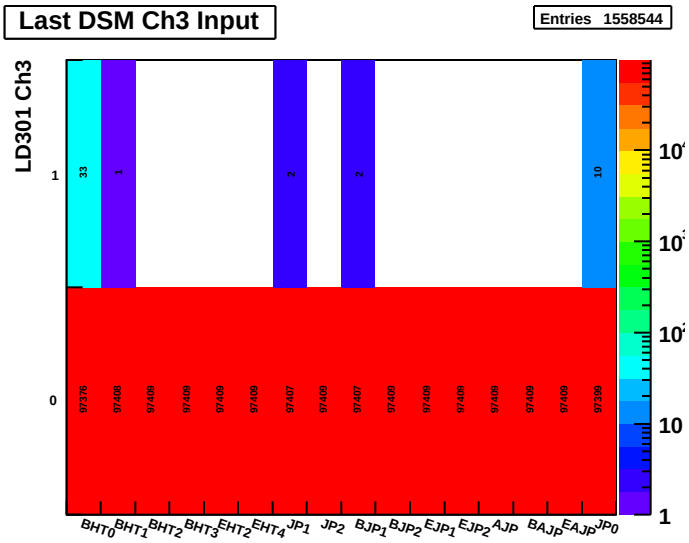

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

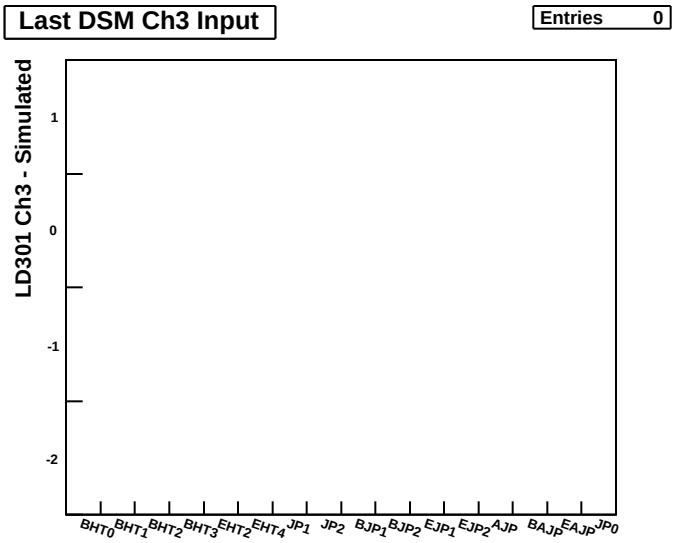

EMC L2 Input - HT01 bits/Partial JP ID
Entries 779272
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

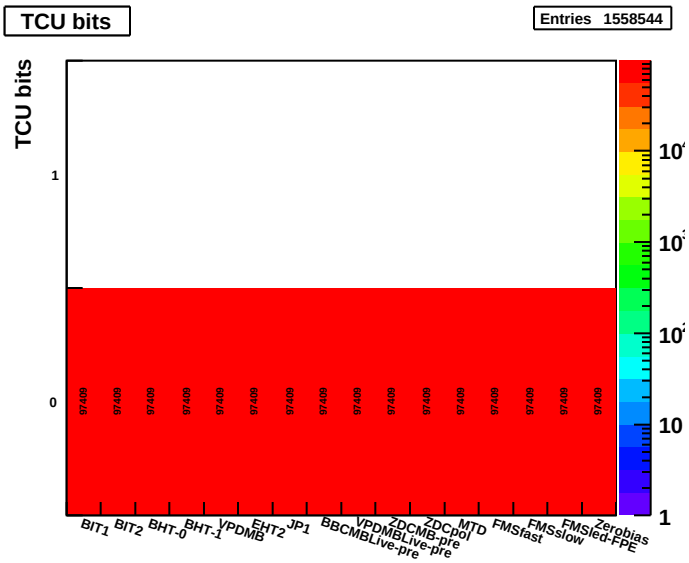

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

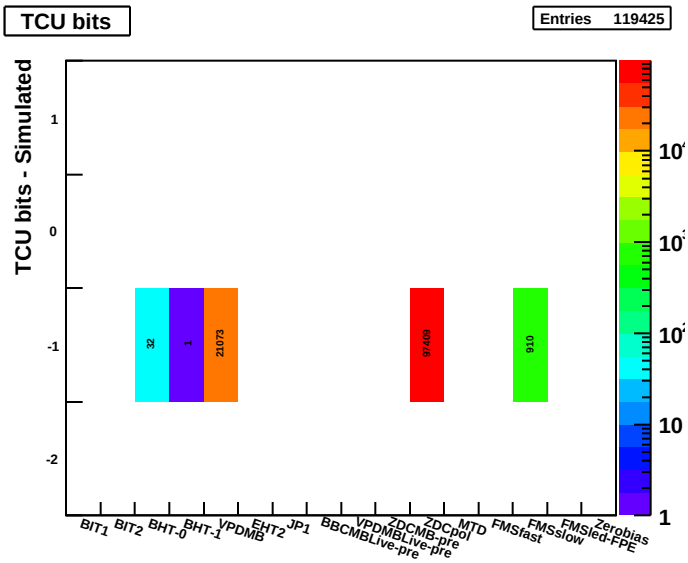

EMC L2 Input - HT23 bits
Entries 779272
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

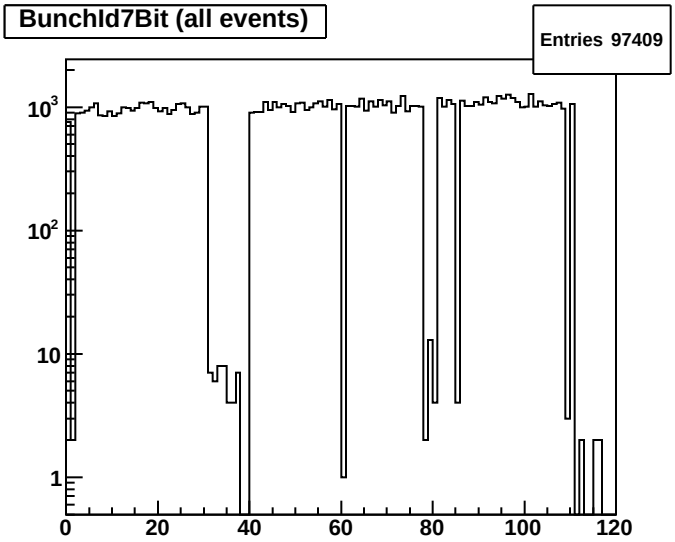

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

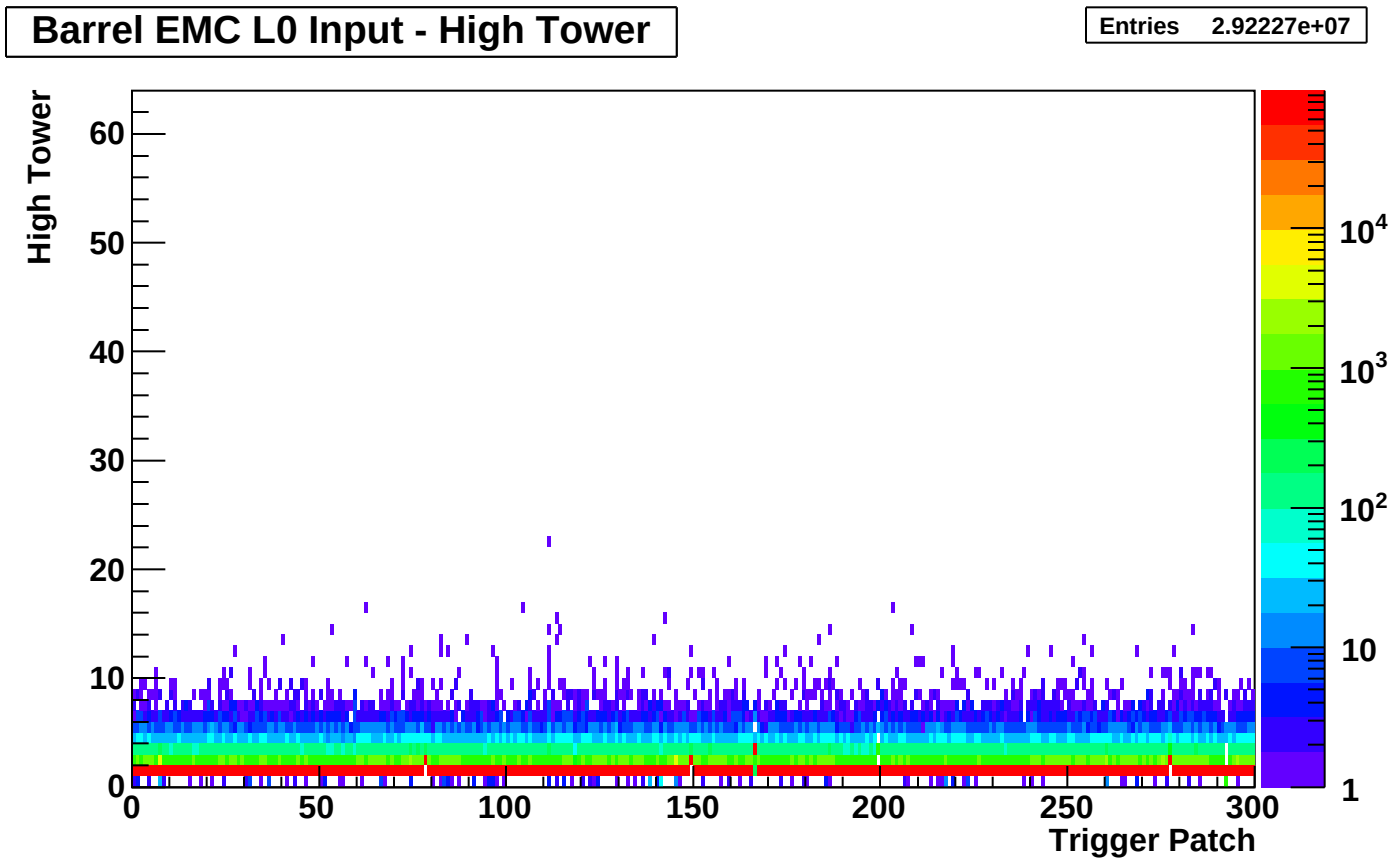

Last DSM Ch3 Input
Entries 1558544
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

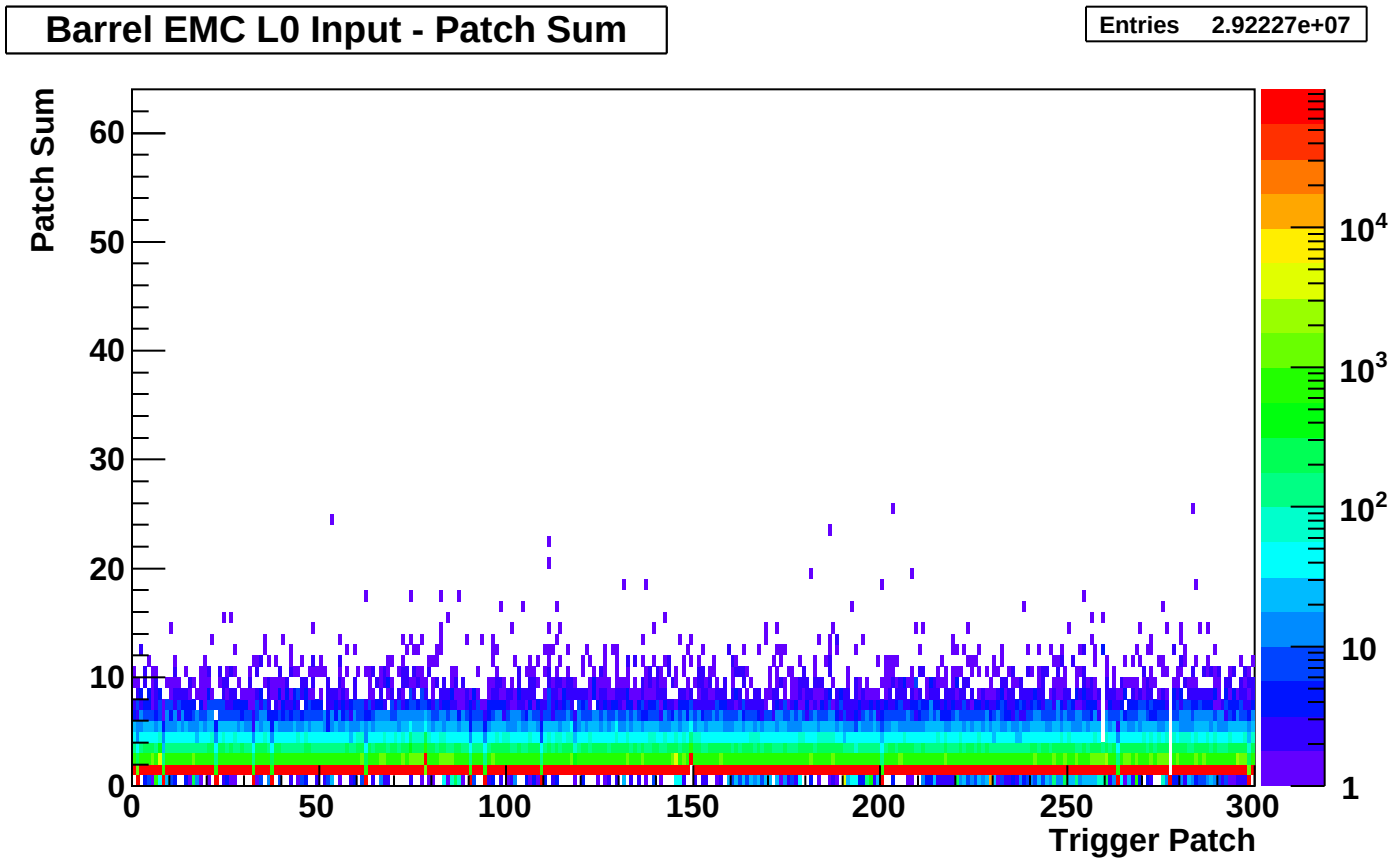

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

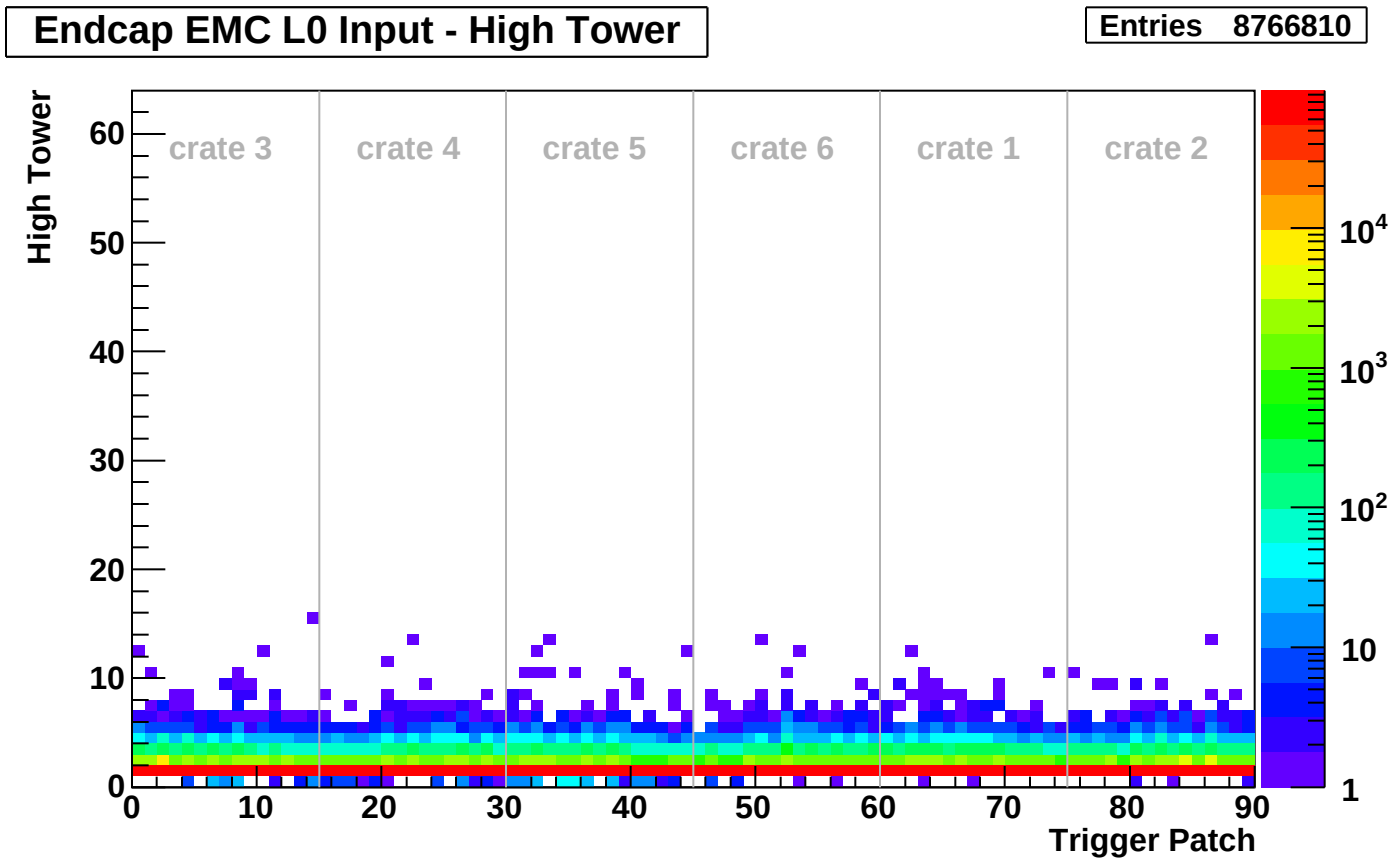

TCU bits
Entries 1558544
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

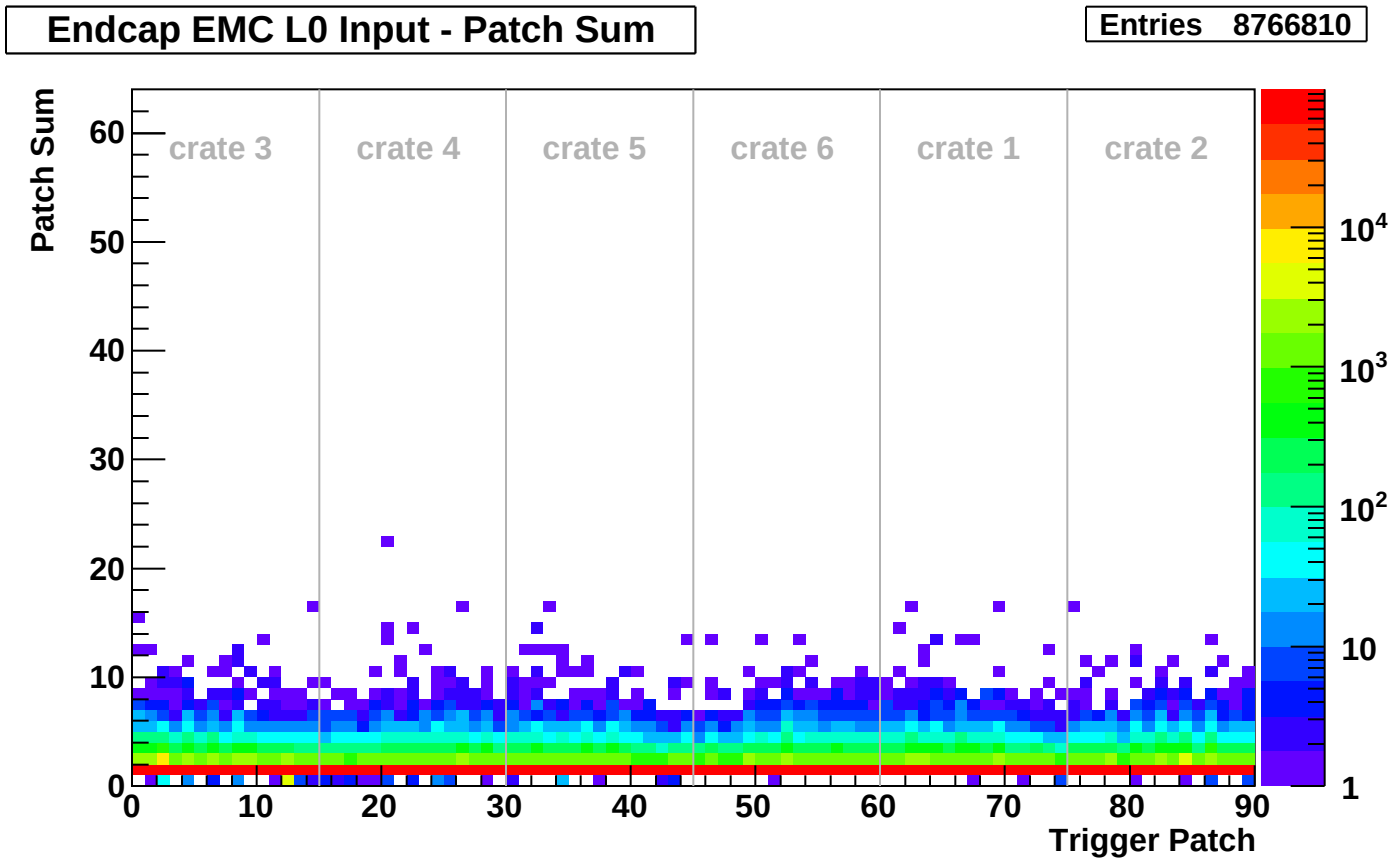

TCU bits
Entries 119425
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

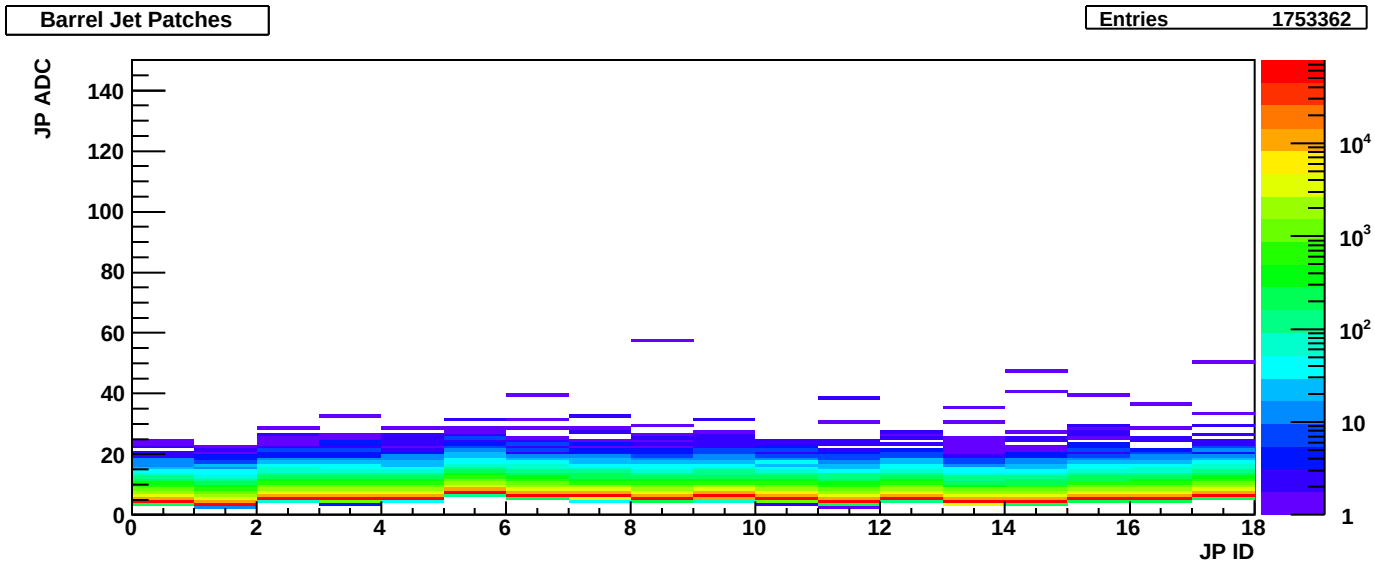

BunchId7Bit (all events)
Entries 97409

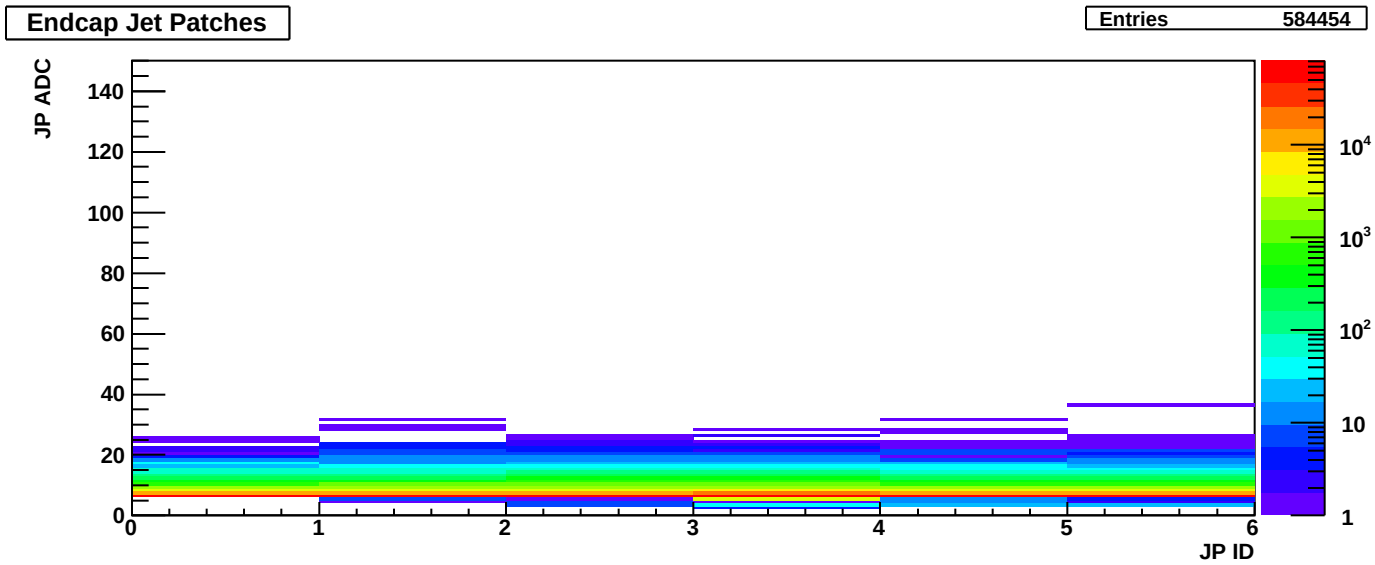

Barrel EMC L0 Input - High Tower
Entries 2.92227e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

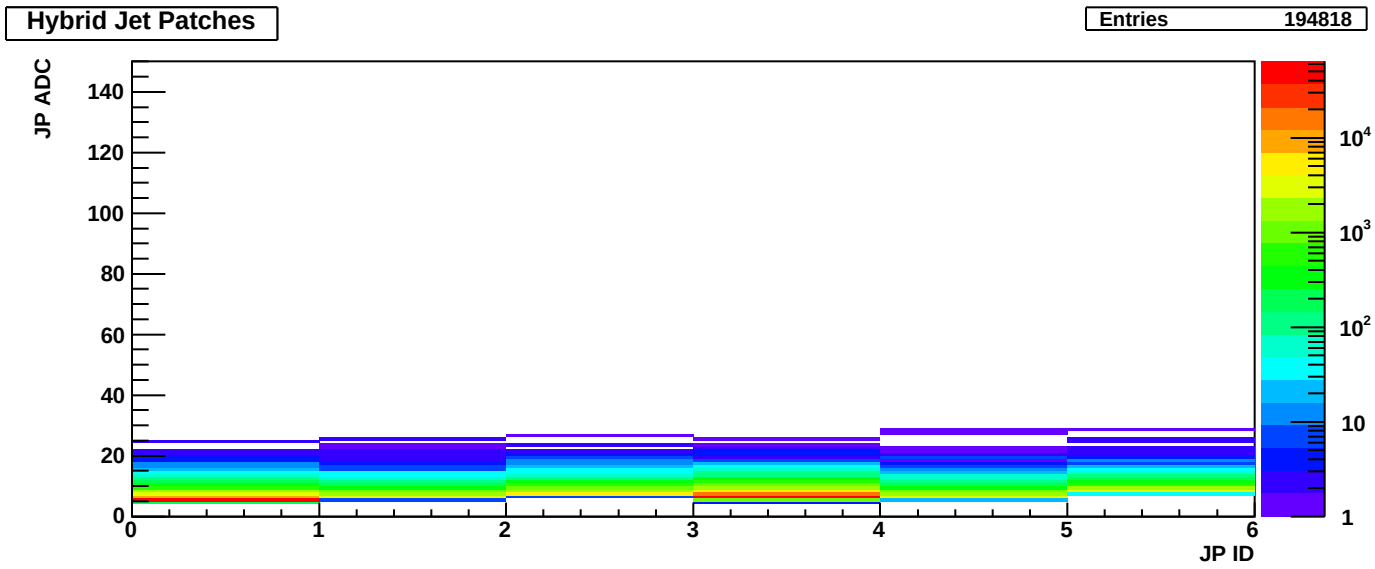

Barrel EMC L0 Input - Patch Sum
Entries 2.92227e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

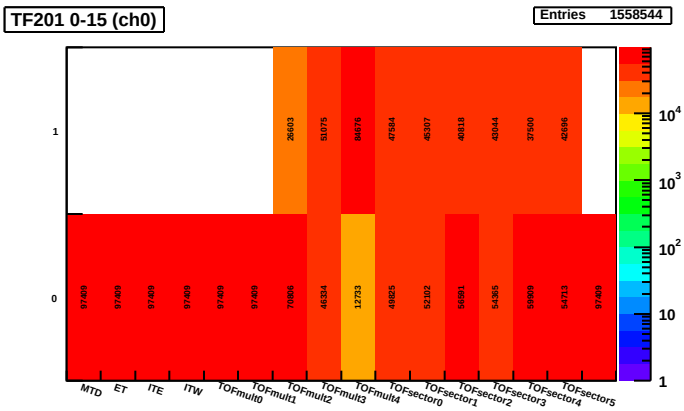

Endcap EMC L0 Input - High Tower
Entries 8766810
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

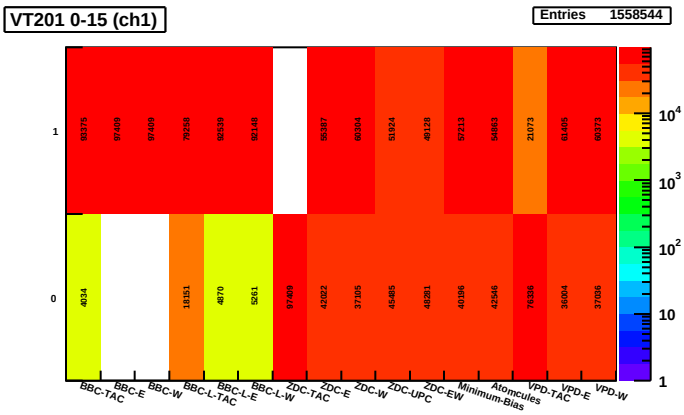

Endcap EMC L0 Input - Patch Sum
Entries 8766810
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

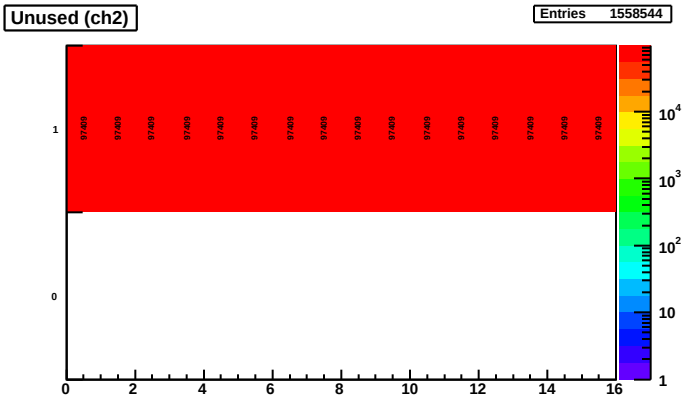

Barrel Jet Patches
Entries 1753362
JP ADC
JP ID

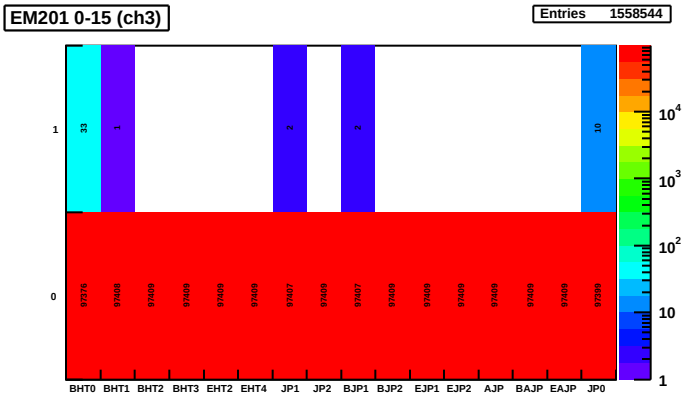

Endcap Jet Patches
Entries 584454
JP ADC
JP ID

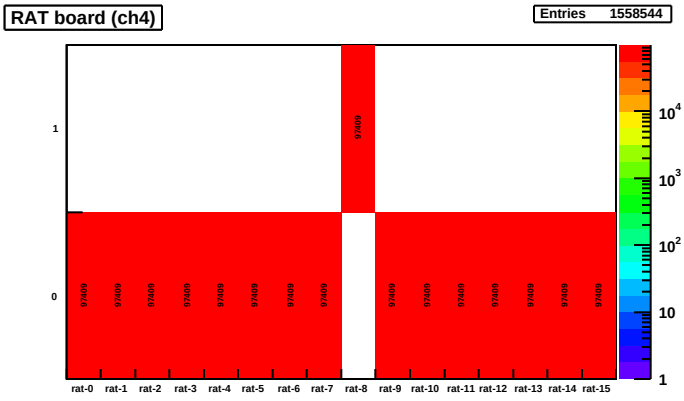

Hybrid Jet Patches
Entries 194818
JP ADC
JP ID

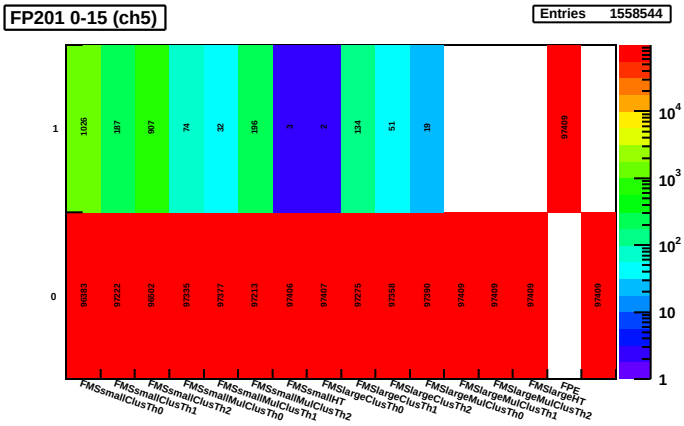

TF201 0-15 (ch0)
Entries 1558544
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

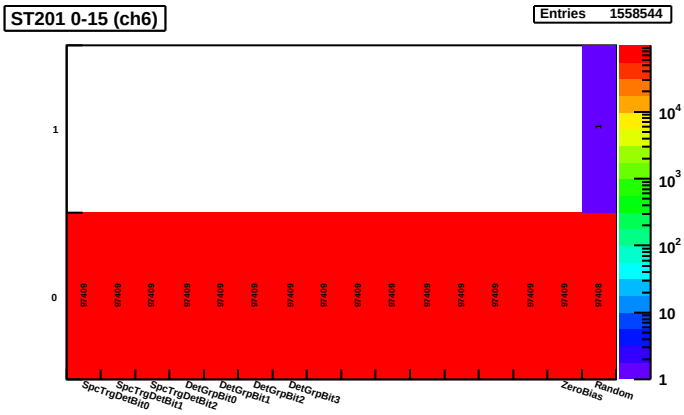

VT201 0-15 (ch1)
Entries 1558544
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

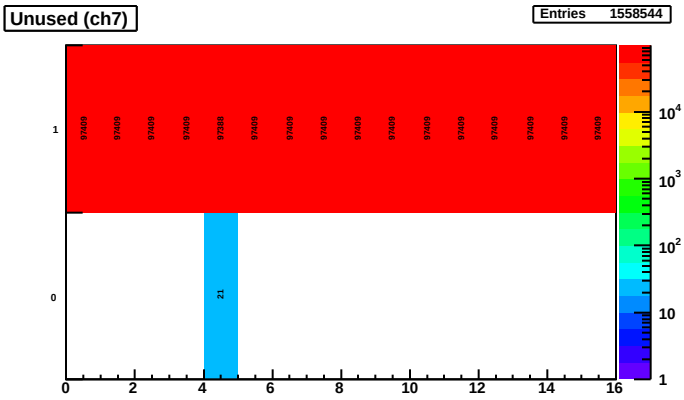

Unused (ch2)
Entries 1558544

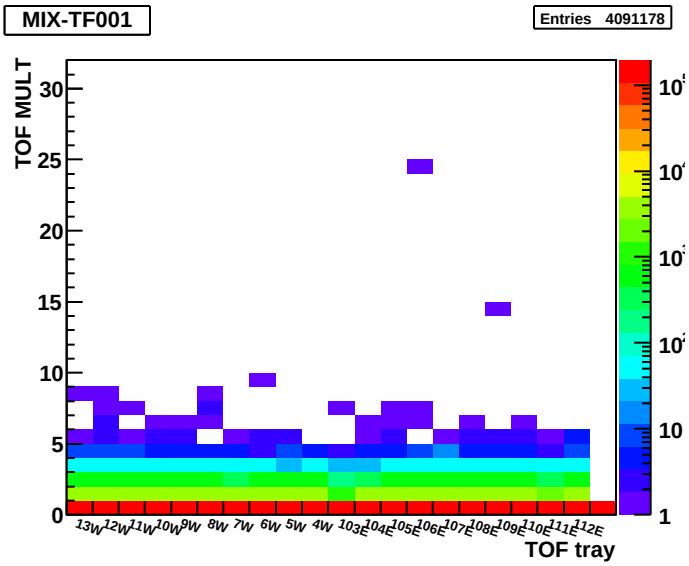

EM201 0-15 (ch3)
Entries 1558544
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

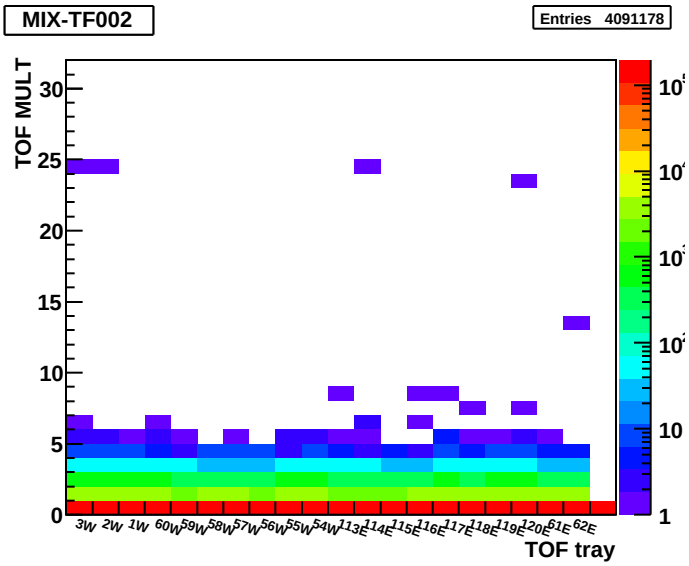

RAT board (ch4)
Entries 1558544
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

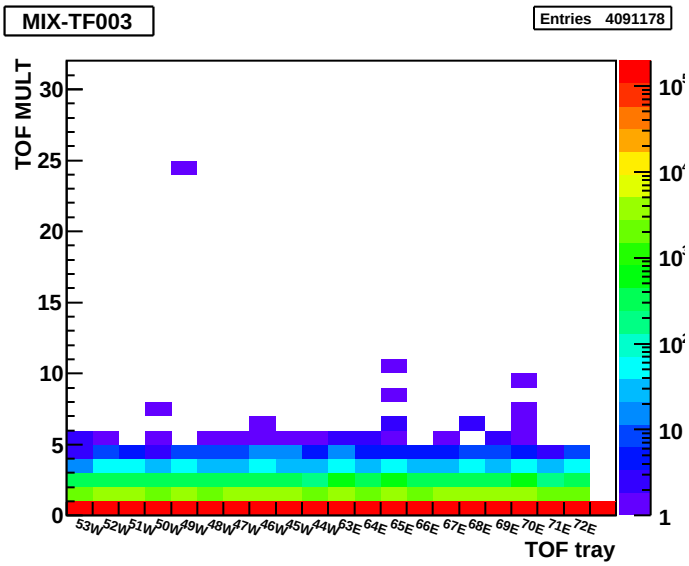

FP201 0-15 (ch5)
Entries 1558544
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

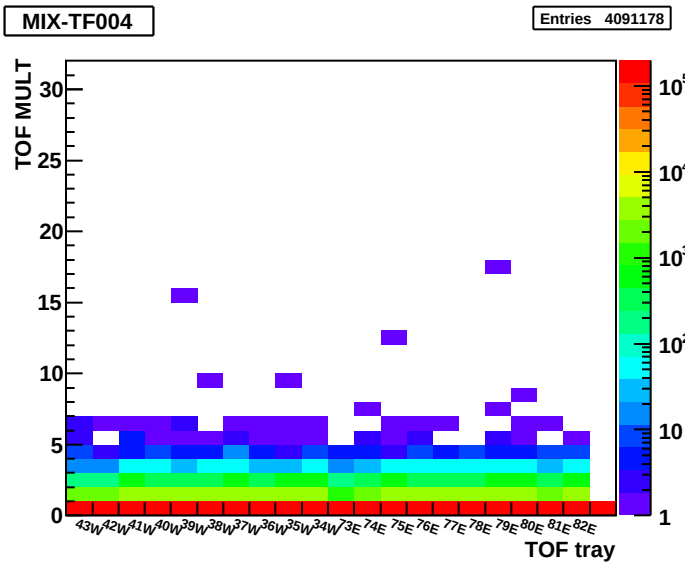

ST201 0-15 (ch6)
Entries 1558544
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

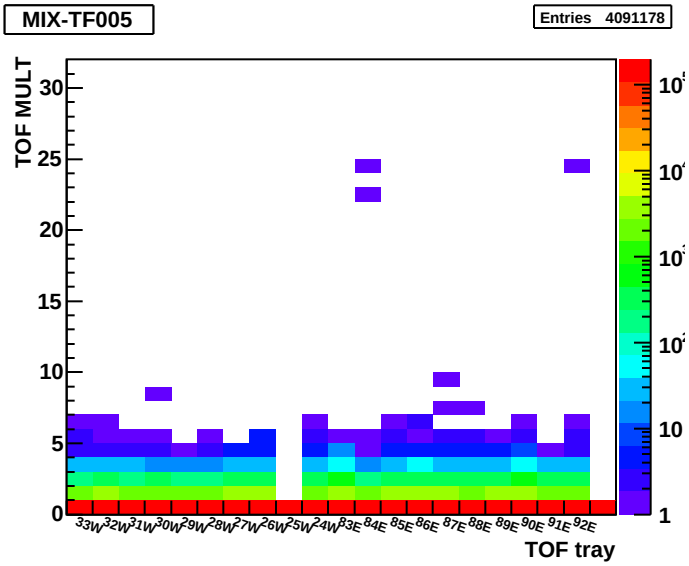

Unused (ch7)
Entries 1558544

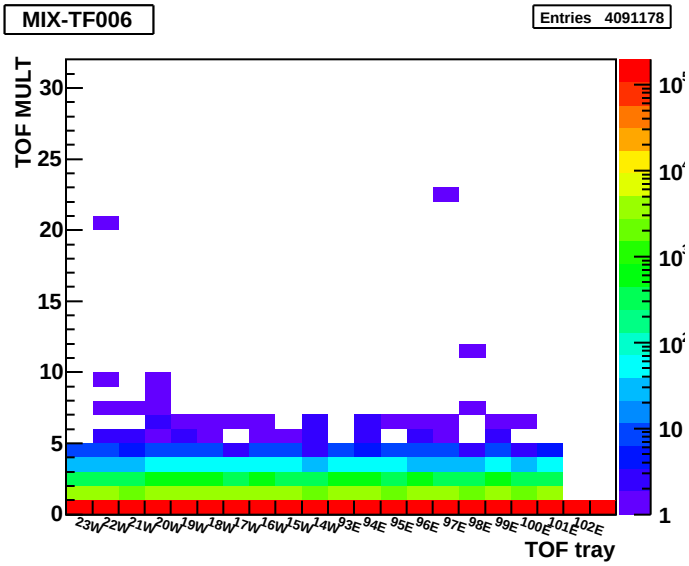

MIX-TF001
Entries 4091178
TOF MULT
TOF tray

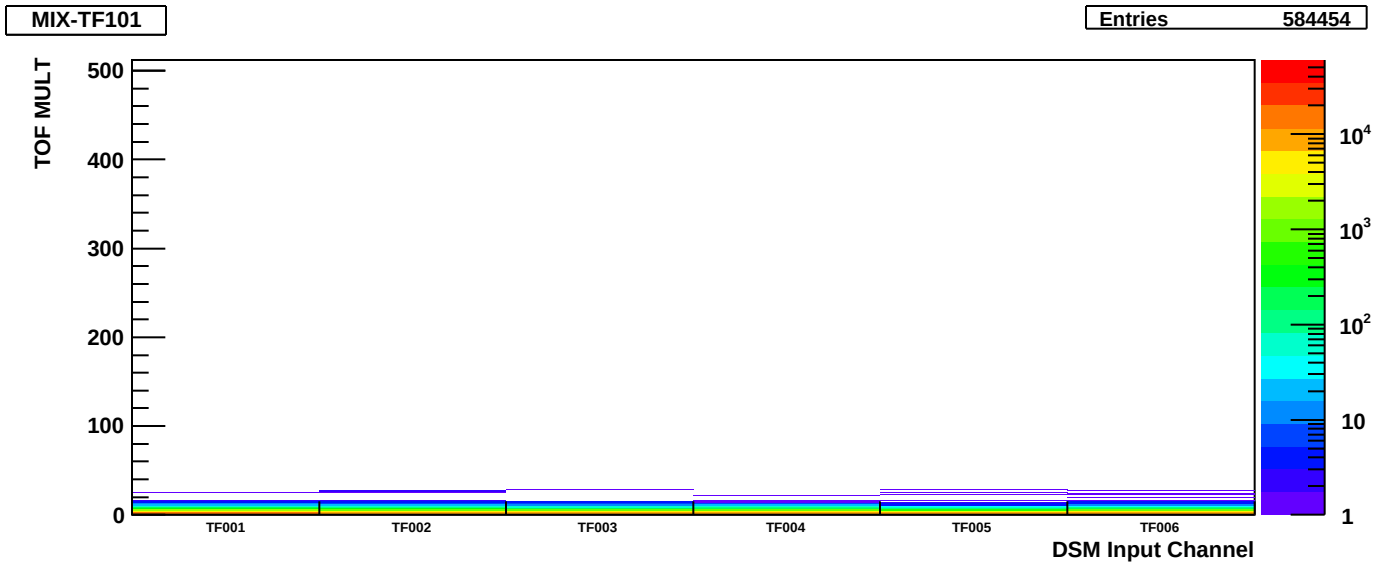

MIX-TF002
Entries 4091178
TOF MULT
TOF tray

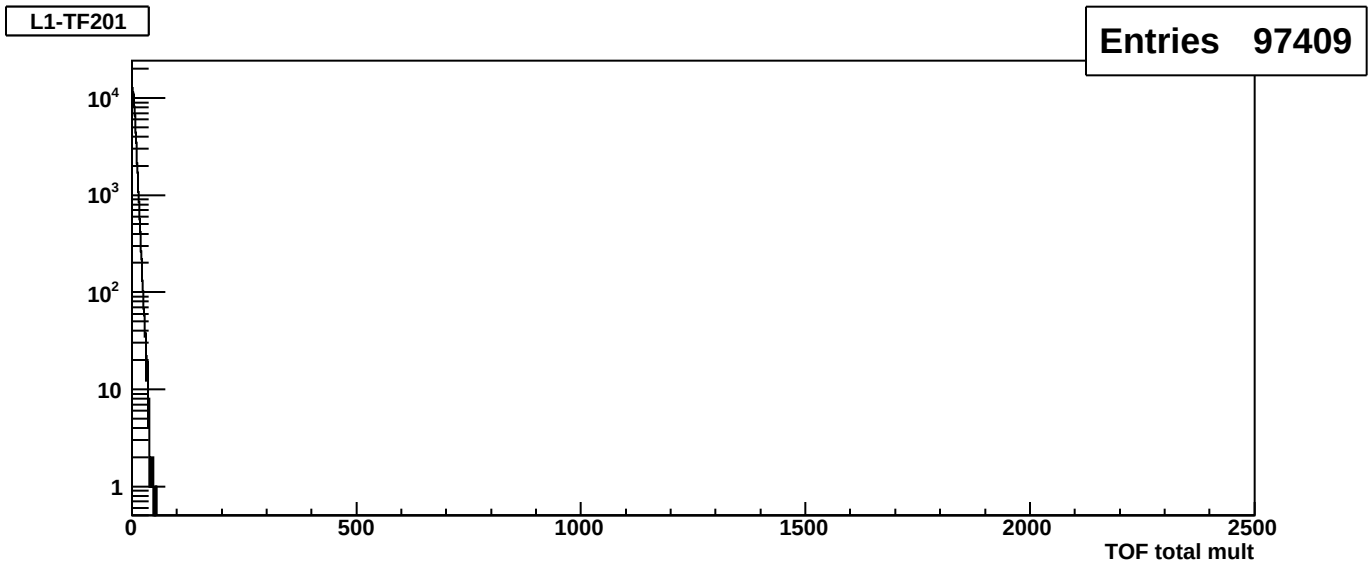

MIX-TF003
Entries 4091178
TOF MULT
TOF tray

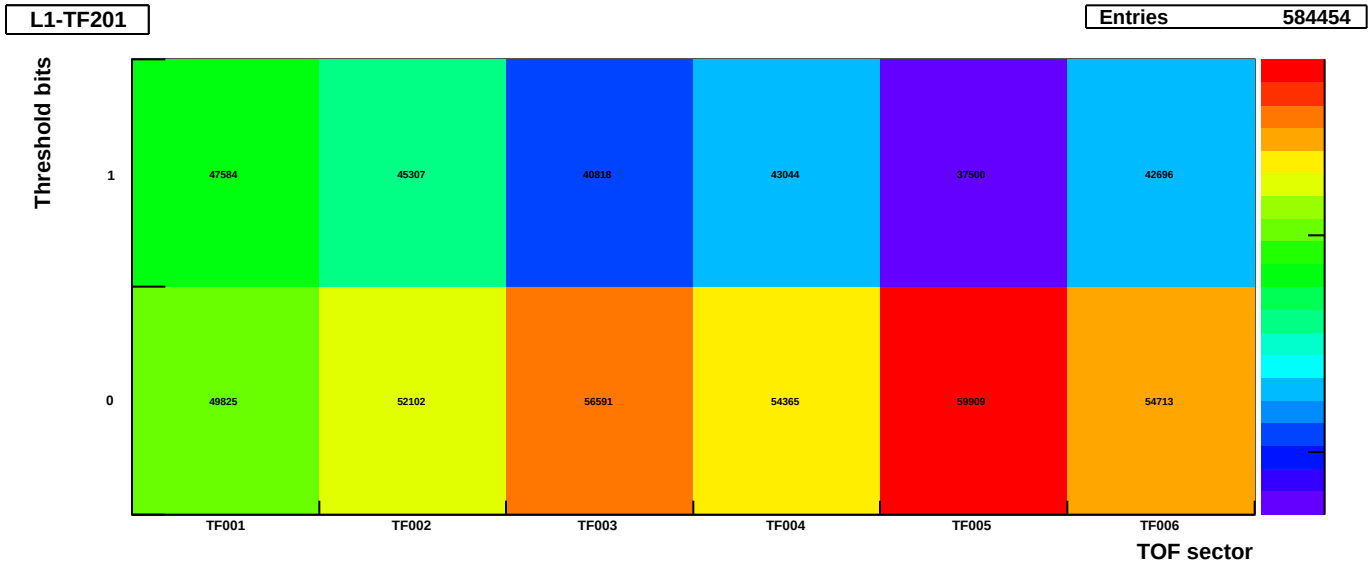

MIX-TF004
Entries 4091178
TOF MULT
TOF tray

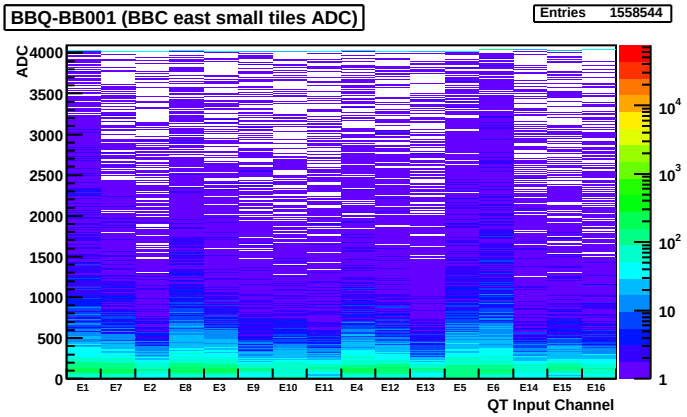

MIX-TF005
Entries 4091178
TOF MULT
TOF tray

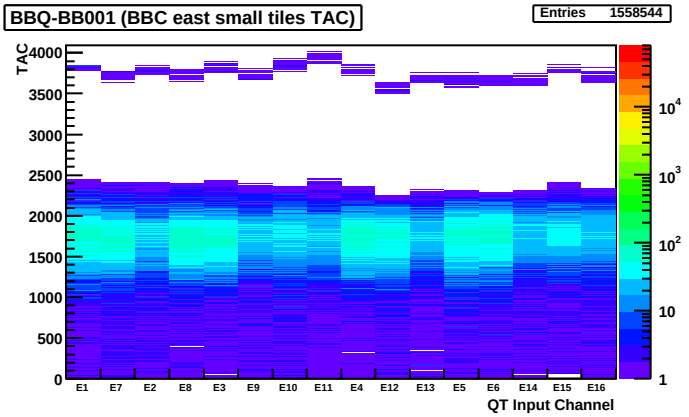

MIX-TF006
Entries 4091178
TOF MULT
TOF tray

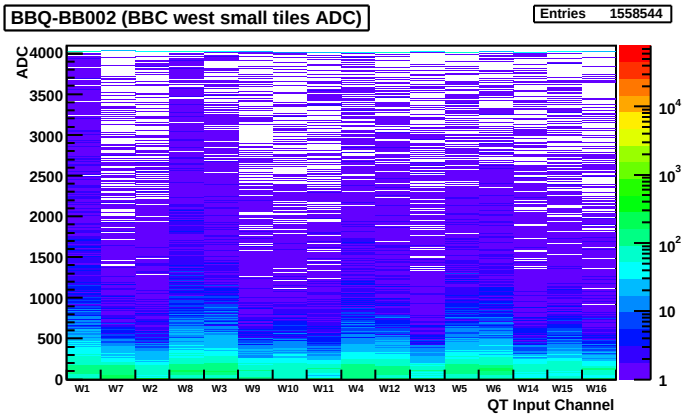

MIX-TF101
Entries 584454
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

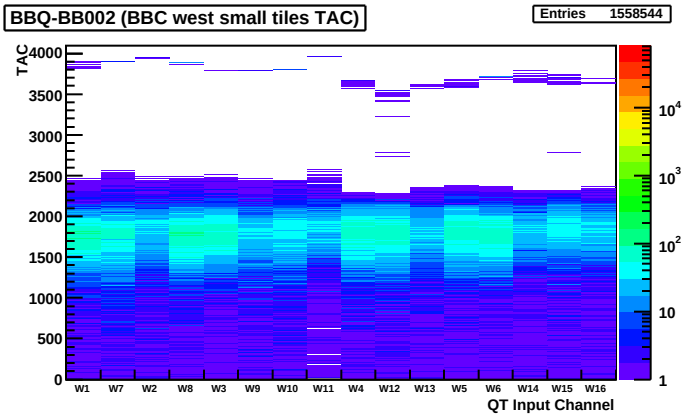

L1-TF201
Entries 97409
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

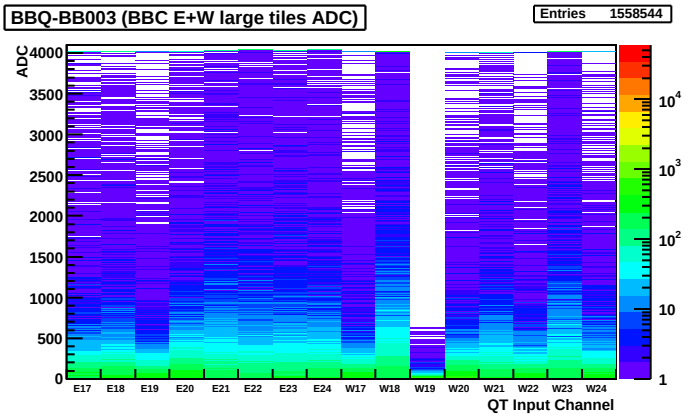

L1-TF201
Entries 584454
Threshold bits
1
0
47584
45307
40818
43044
37500
42696
49825
52102
56591
54365
59909
54713
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

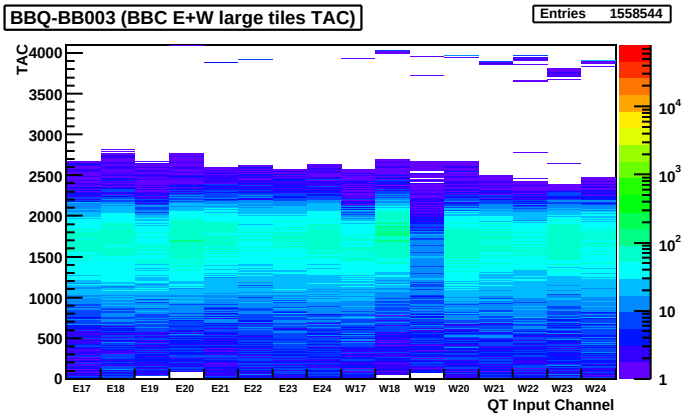

BBQ-BB001 (BBC east small tiles ADC)
Entries 1558544
ADC
QT Input Channel

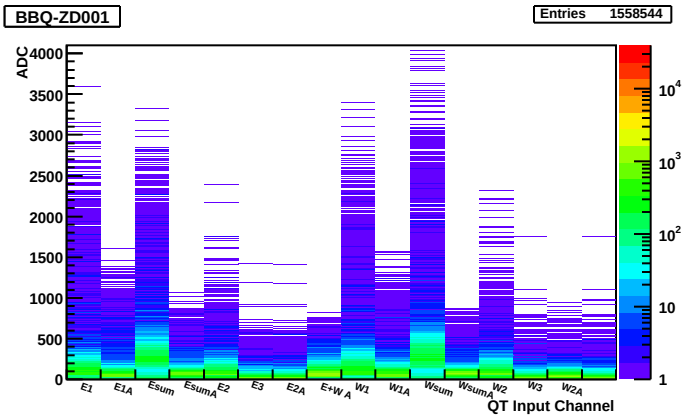

BBQ-BB001 (BBC east small tiles TAC)
Entries 1558544
TAC
QT Input Channel

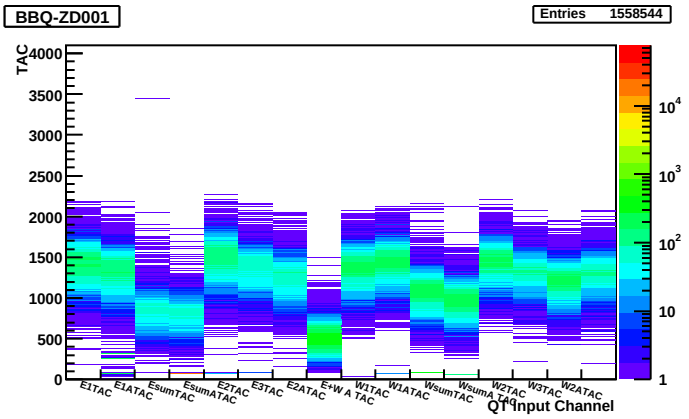

BBQ-BB002 (BBC west small tiles ADC)
Entries 1558544
ADC
QT Input Channel

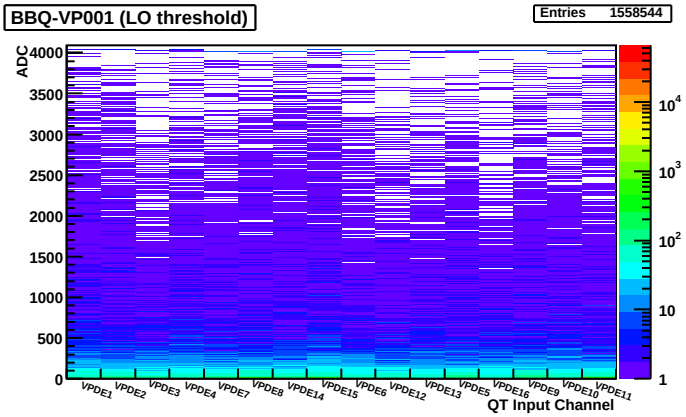

BBQ-BB002 (BBC west small tiles TAC)
Entries 1558544
TAC
QT Input Channel

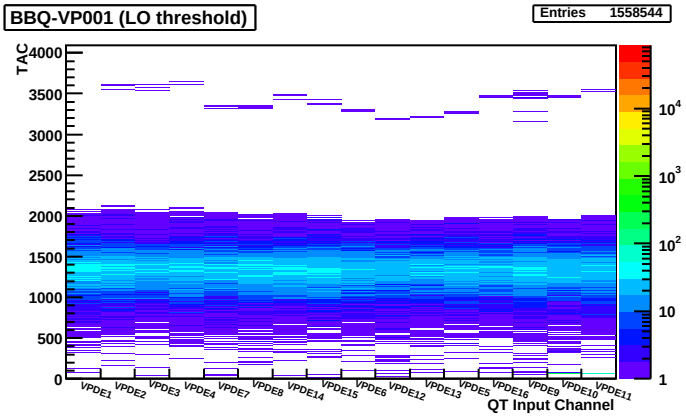

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1558544
ADC
QT Input Channel

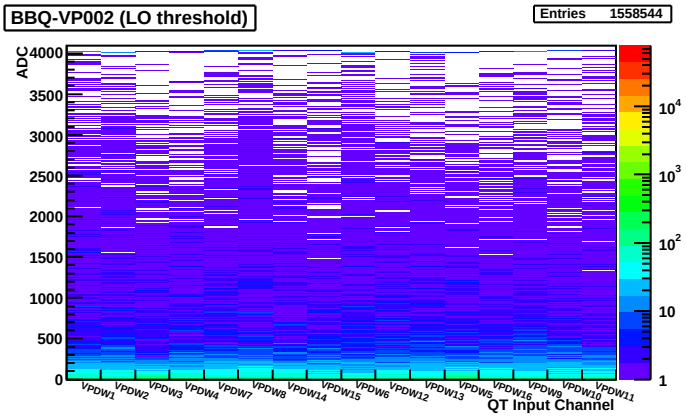

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1558544
TAC
QT Input Channel

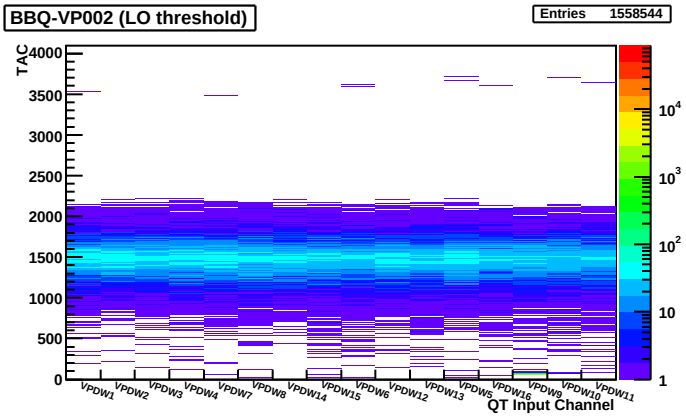

BBQ-ZD001
Entries 1558544
ADC
QT Input Channel

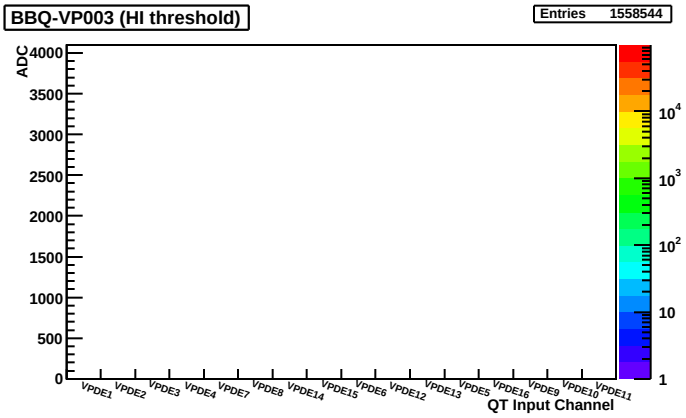

BBQ-ZD001
Entries 1558544
TAC
QT Input Channel

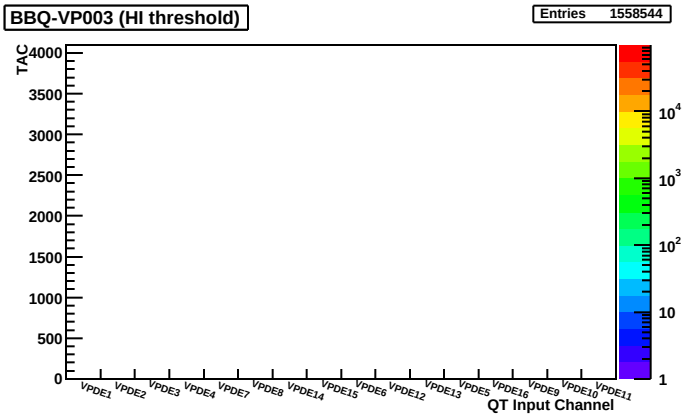

BBQ-VP001 (LO threshold)
Entries 1558544
ADC
QT Input Channel

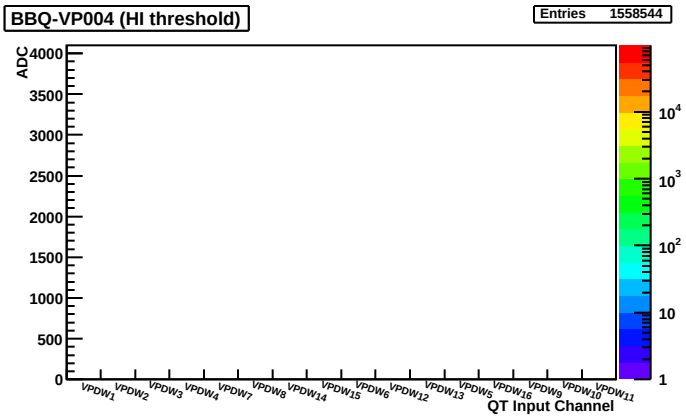

BBQ-VP001 (LO threshold)
Entries 1558544
TAC
QT Input Channel

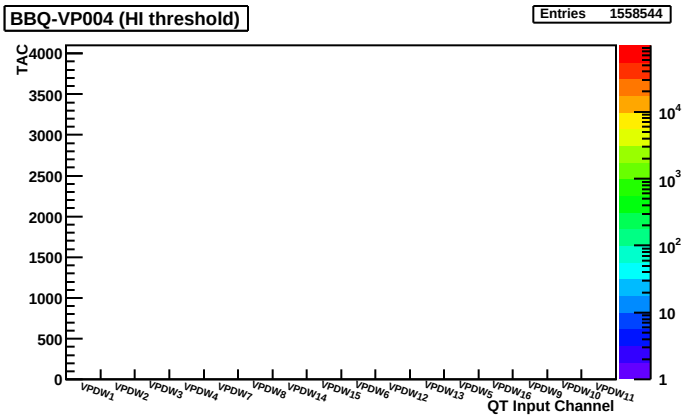

BBQ-VP002 (LO threshold)
Entries 1558544
ADC
QT Input Channel

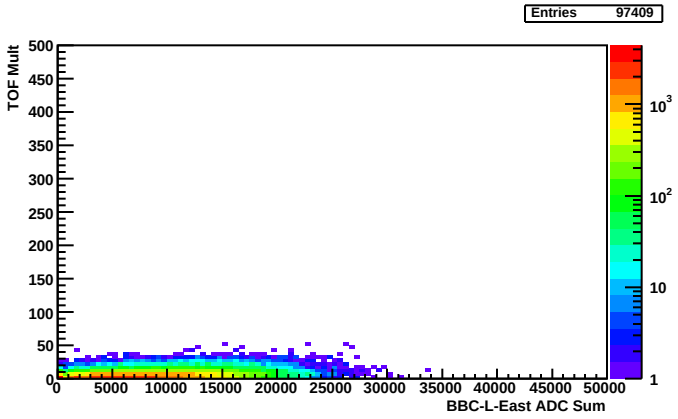

BBQ-VP002 (LO threshold)
Entries 1558544
TAC
QT Input Channel

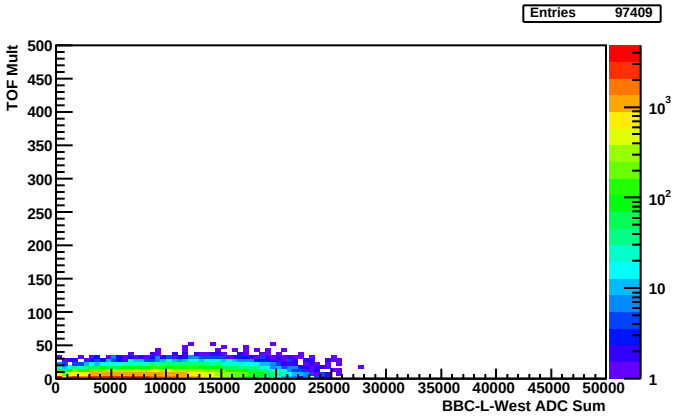

BBQ-VP003 (HI threshold)
Entries 1558544
ADC
QT Input Channel

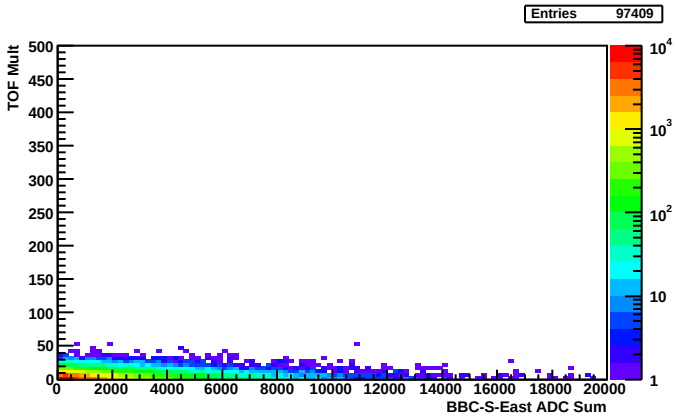

BBQ-VP003 (HI threshold)
Entries 1558544
TAC
QT Input Channel

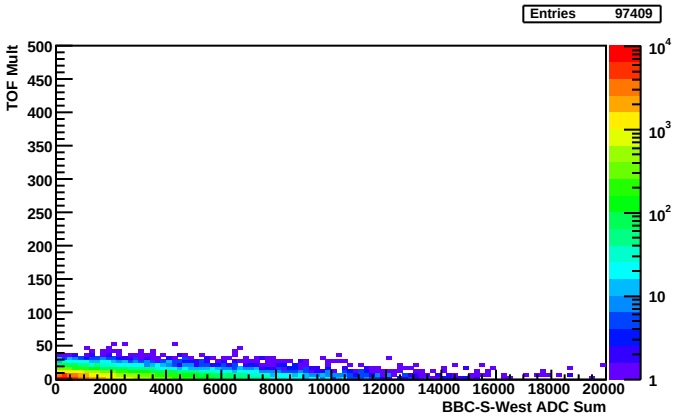

BBQ-VP004 (HI threshold)
Entries 1558544
ADC
QT Input Channel

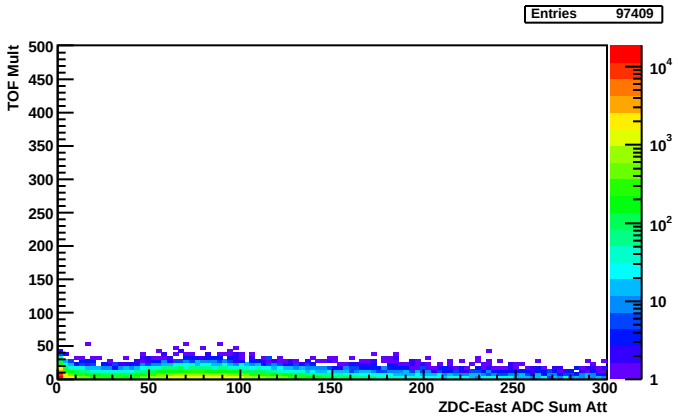

BBQ-VP004 (HI threshold)
Entries 1558544
TAC
QT Input Channel

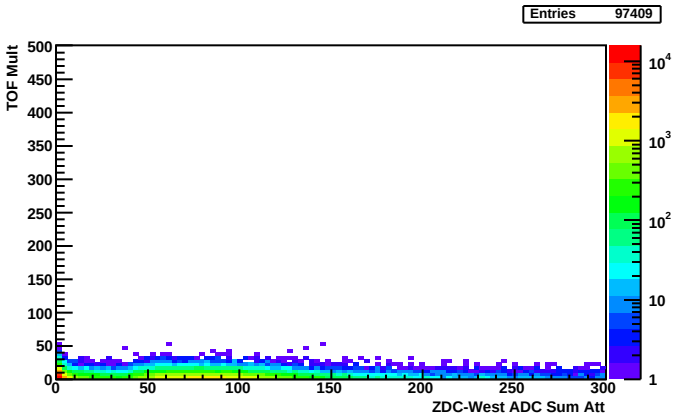

Entries 97409
TOF Mult
BBC-L-East ADC Sum

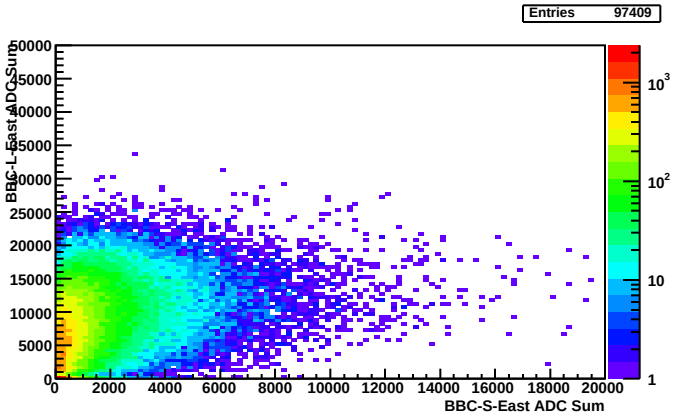

Entries 97409
TOF Mult
BBC-L-West ADC Sum

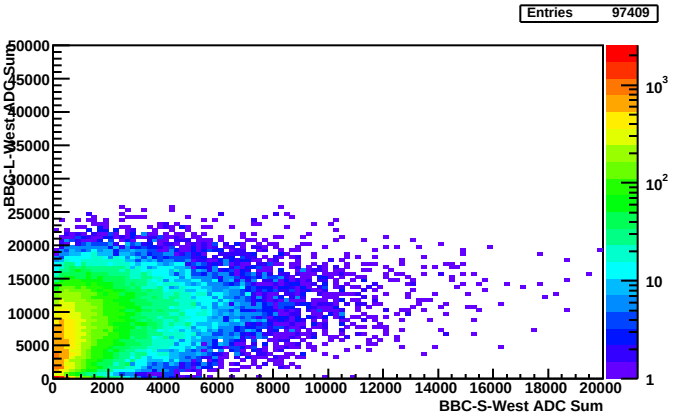

Entries 97409
TOF Mult
BBC-S-East ADC Sum

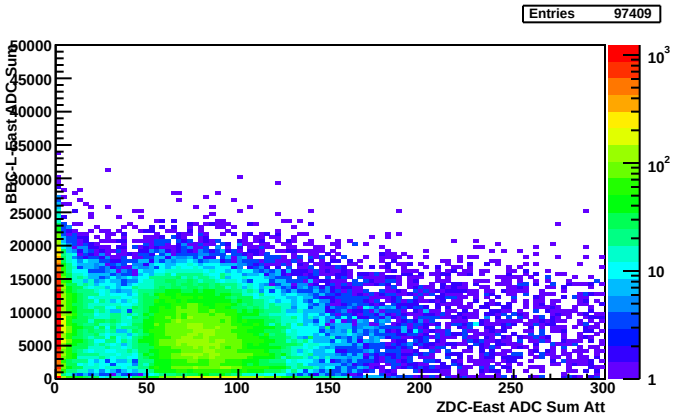

Entries 97409
TOF Mult
BBC-S-West ADC Sum

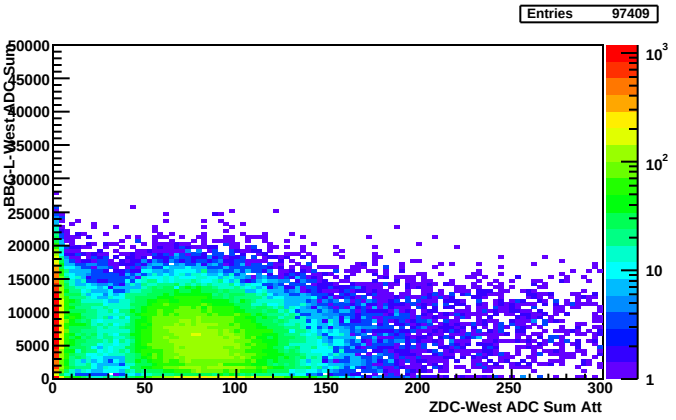

Entries 97409
TOF Mult
ZDC-East ADC Sum Att

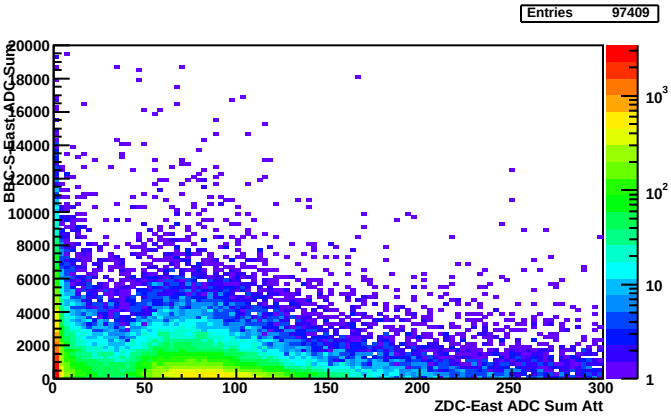

Entries 97409
TOF Mult
ZDC-West ADC Sum Att

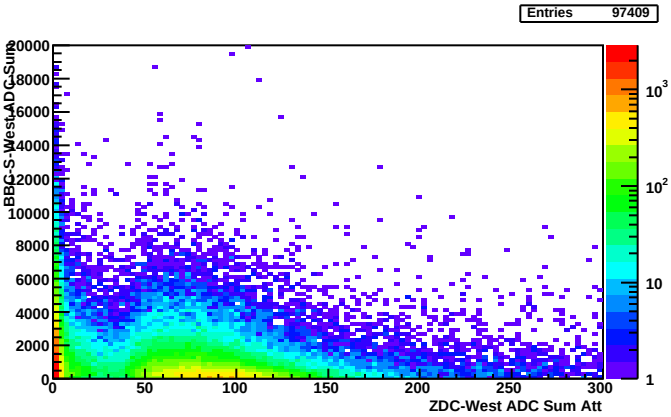

Entries 97409
BBC-L-East ADC Sum
BBC-S-East ADC Sum

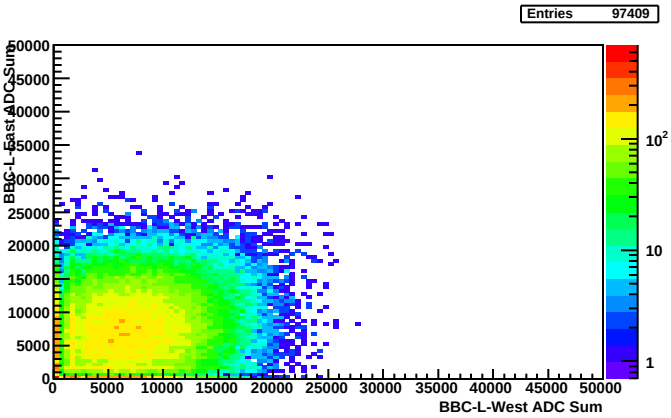

Entries 97409
BBC-L-West ADC Sum
BBC-S-West ADC Sum

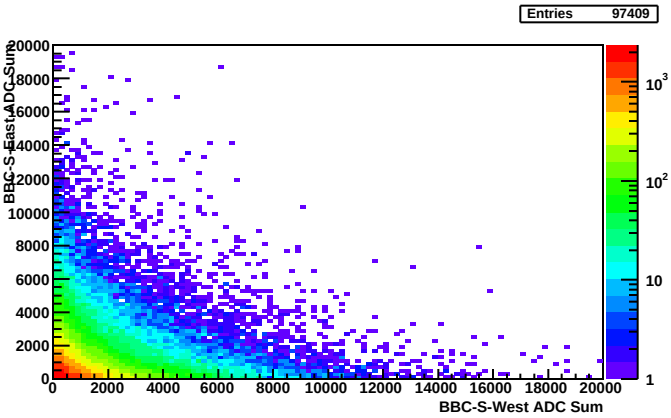

Entries 97409
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

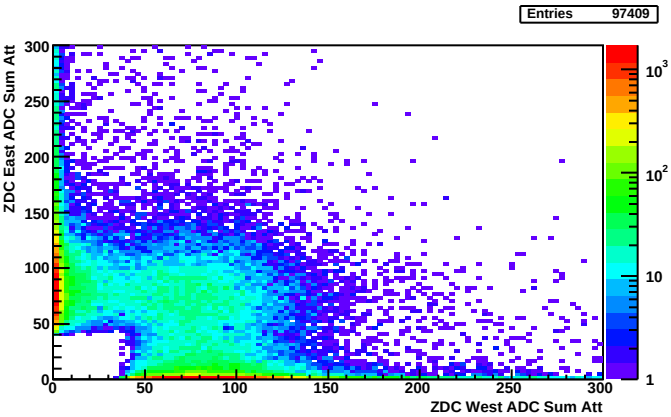

Entries 97409
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

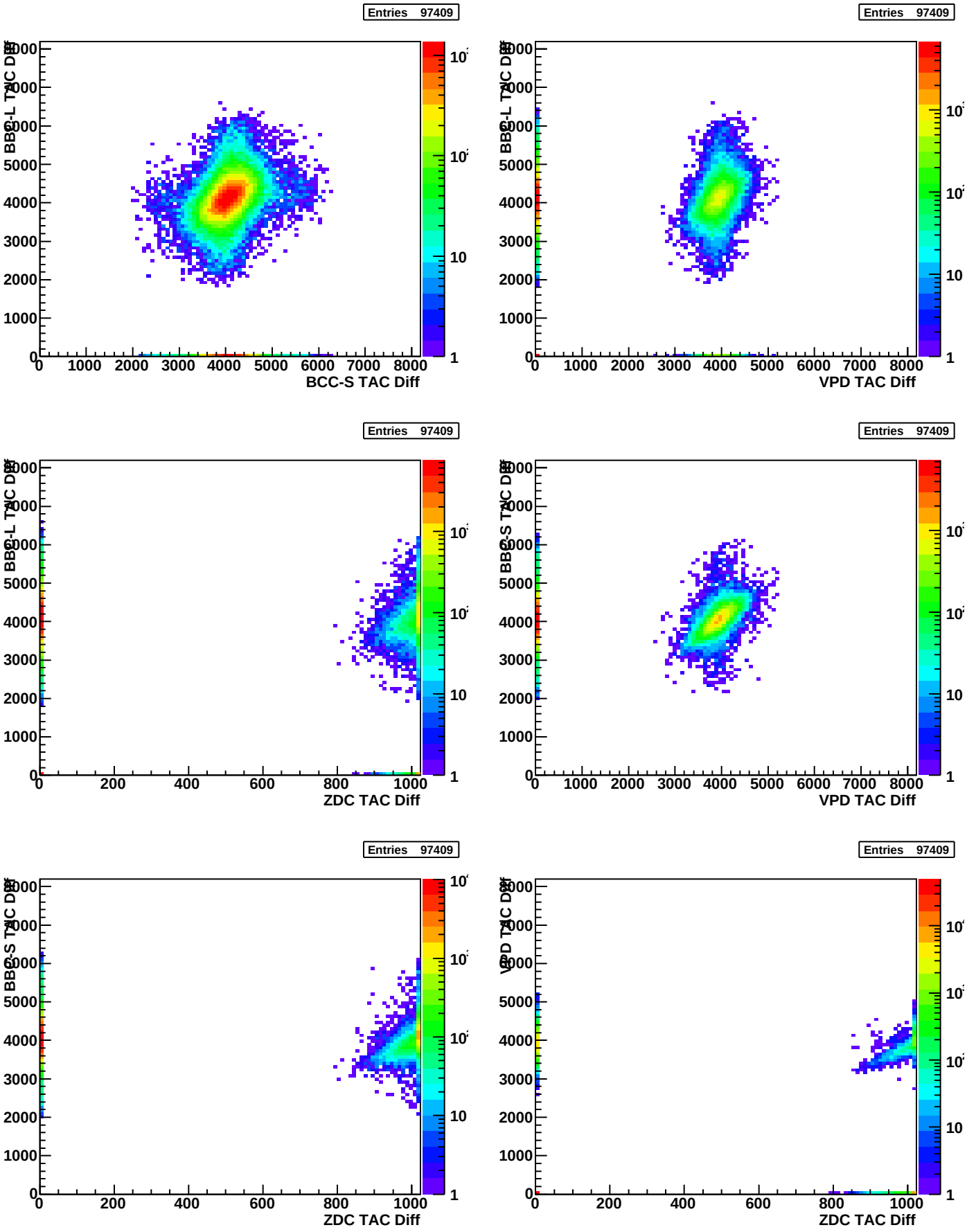

Entries 97409
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

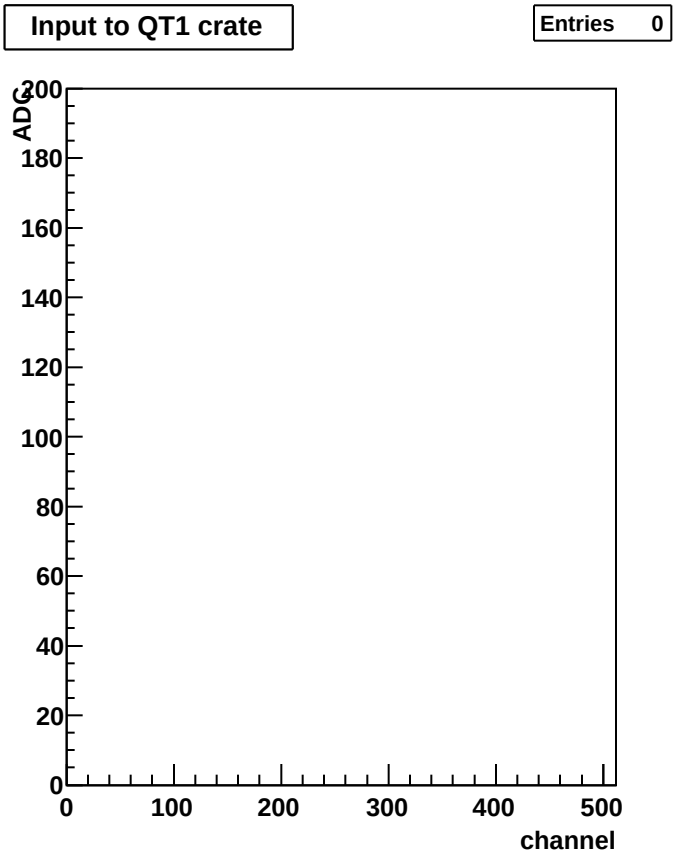

Entries 97409
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

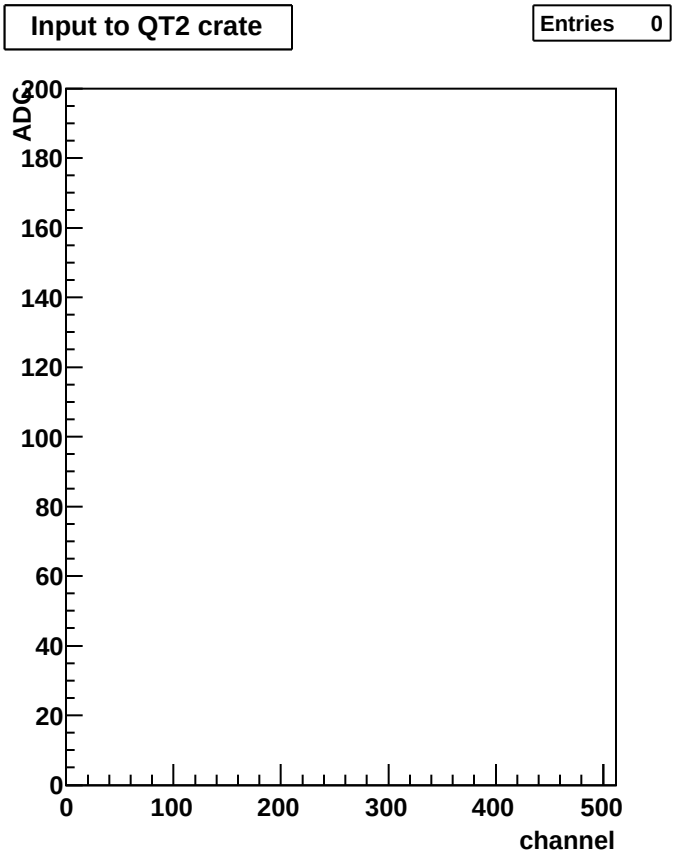

Entries 97409
BBC-L-East ADC Sum
BBC-L-West ADC Sum

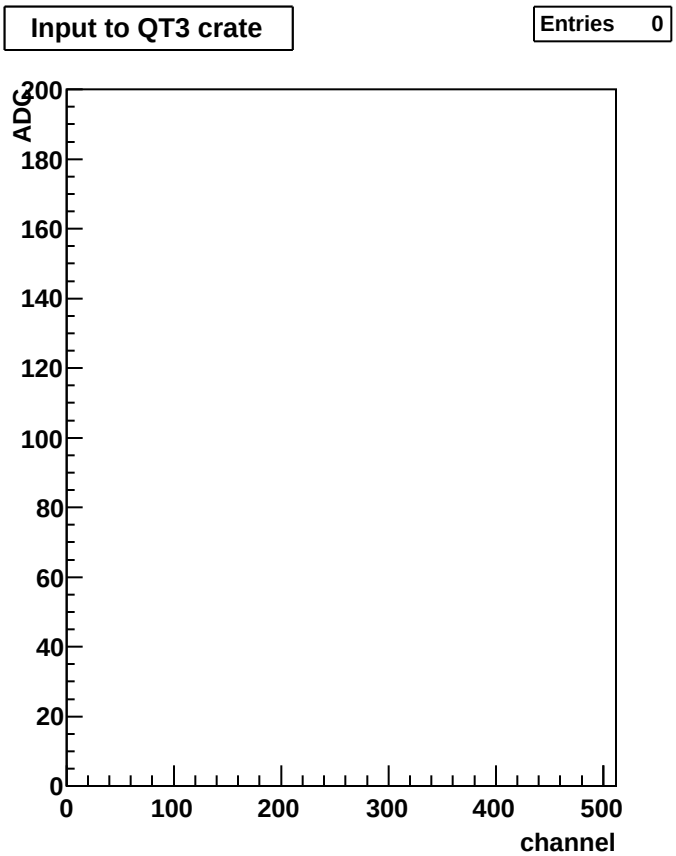

Entries 97409
BBC-S-East ADC Sum
BBC-S-West ADC Sum

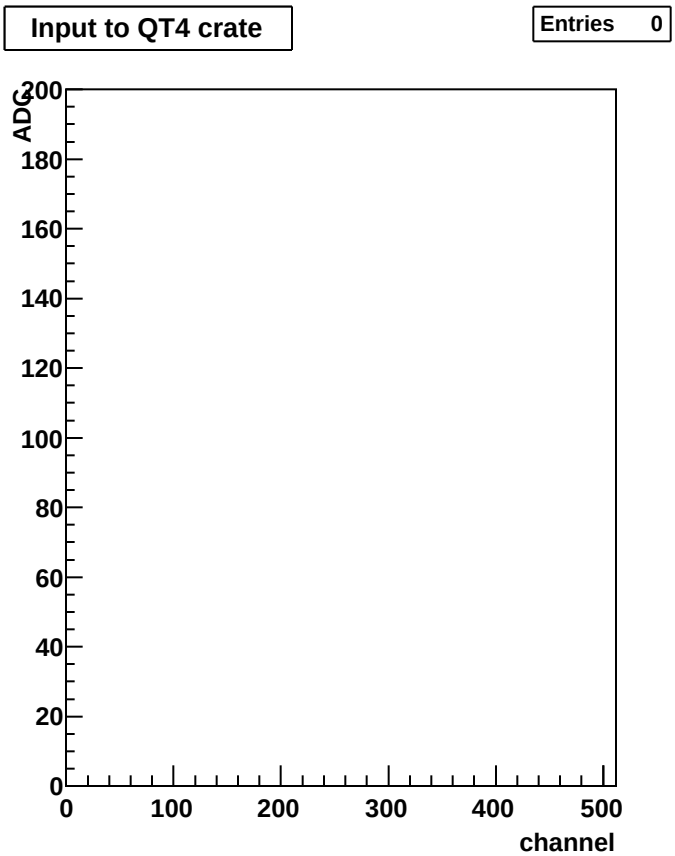

Entries 97409
ZDC East ADC Sum Att
ZDC West ADC Sum Att

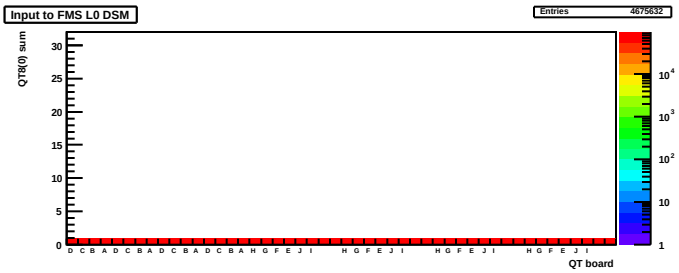

Entries 97409
BBC-L TAC Diff
BCC-S TAC Diff
Entries 97409
BBC-L TAC Diff
VPD TAC Diff
Entries 97409
BBC-L TAC Diff
ZDC TAC Diff
Entries 97409
BBC-S TAC Diff
VPD TAC Diff
Entries 97409
BBC-S TAC Diff
ZDC TAC Diff
Entries 97409
VPD TAC Diff
ZDC TAC Diff

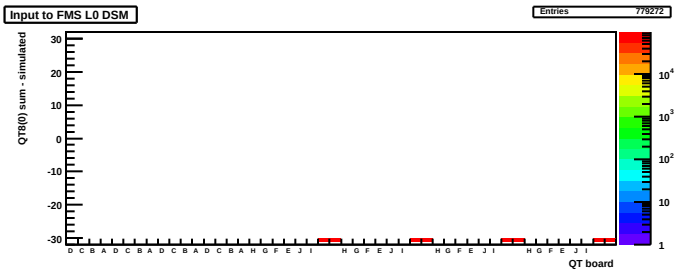

Input to QT1 crate
Entries 0
ADC
200
180
160
140
120
100
80
60
40
20
0
0
100
200
300
400
500
channel

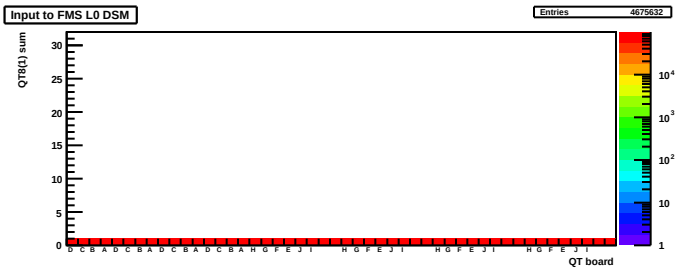

Input to QT2 crate
Entries 0
ADC
200
180
160
140
120
100
80
60
40
20
0
0
100
200
300
400
500
channel

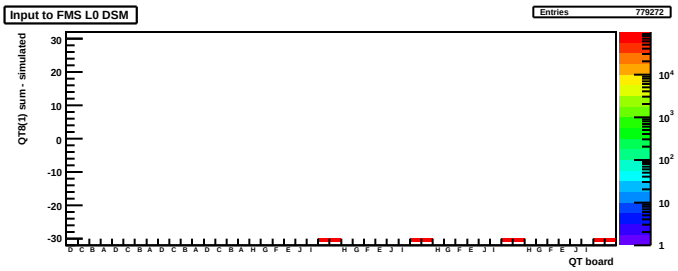

Input to QT3 crate
Entries 0
ADC
200
180
160
140
120
100
80
60
40
20
0
0
100
200
300
400
500
channel

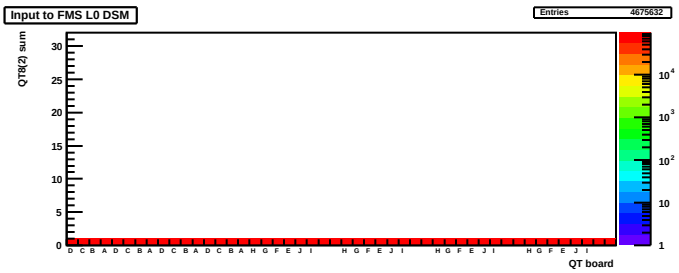

Input to QT4 crate
Entries 0
ADC
200
180
160
140
120
100
80
60
40
20
0
0
100
200
300
400
500
channel

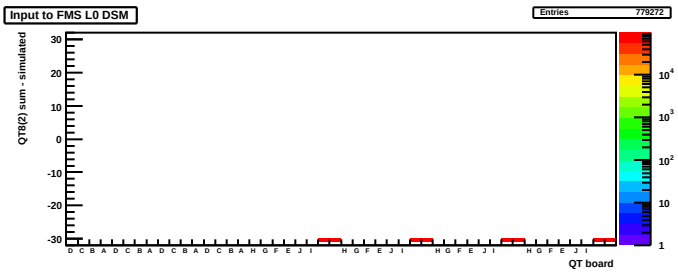

Input to FMS L0 DSM
Entries 4675632
QT8(0) sum
QT board

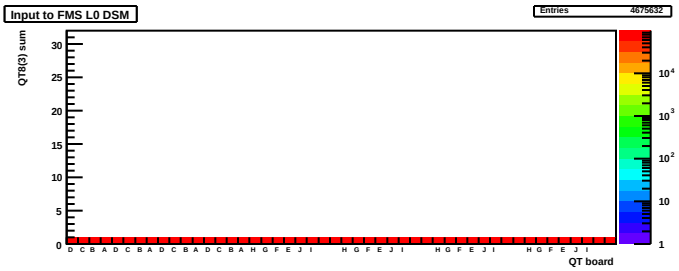

Input to FMS L0 DSM
Entries 779272
QT8(0) sum - simulated
QT board

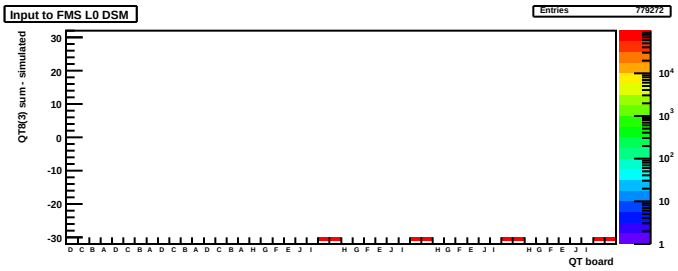

Input to FMS L0 DSM
Entries 4675632
QT8(1) sum
QT board

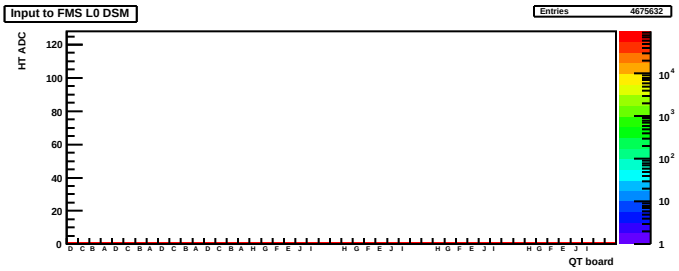

Input to FMS L0 DSM
Entries 779272
QT8(1) sum - simulated
QT board

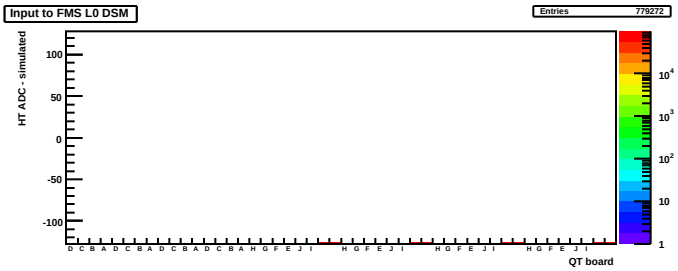

Input to FMS L0 DSM
Entries 4675632
QT8(2) sum
QT board

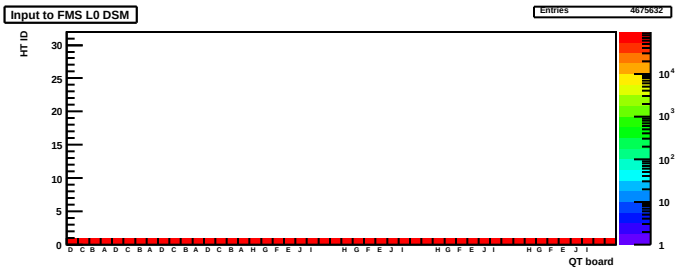

Input to FMS L0 DSM
Entries 779272
QT8(2) sum - simulated
QT board

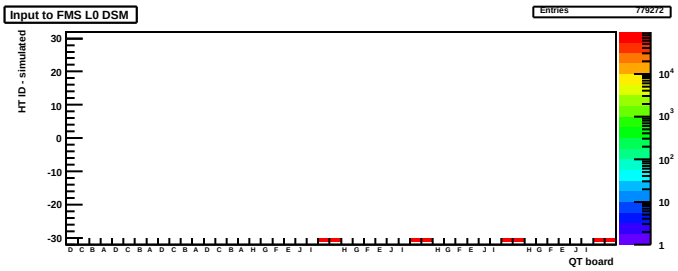

Input to FMS L0 DSM
Entries 4675632
QT8(3) sum
QT board

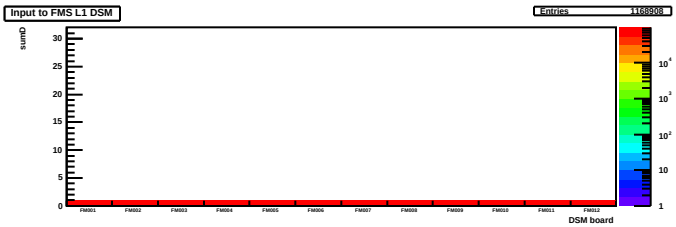

Input to FMS L0 DSM
Entries 779272
QT8(3) sum - simulated
QT board

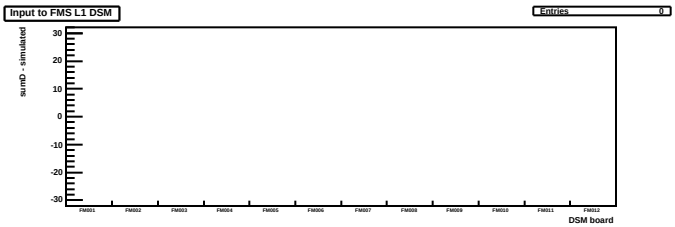

Input to FMS L0 DSM
Entries 4675632
HT ADC
QT board

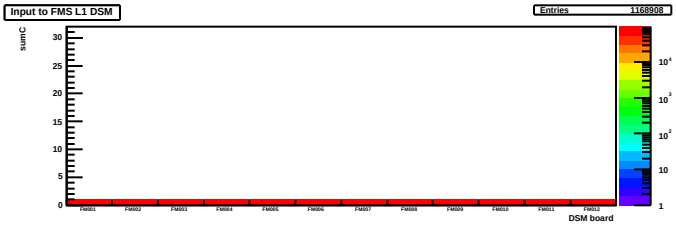

Input to FMS L0 DSM
Entries 779272
HT ADC - simulated
QT board

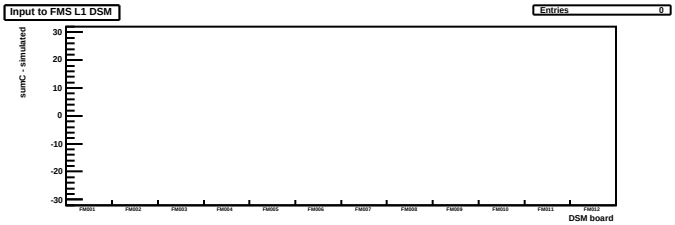

Input to FMS L0 DSM
Entries 4675632
HT ID
QT board

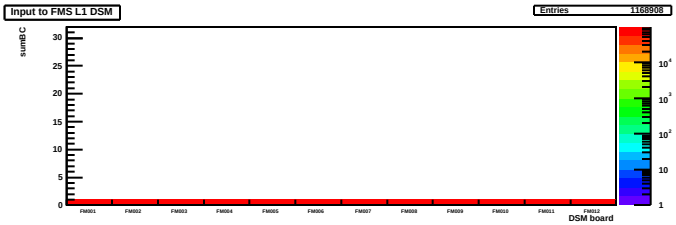

Input to FMS L0 DSM
Entries 779272
HT ID - simulated
QT board

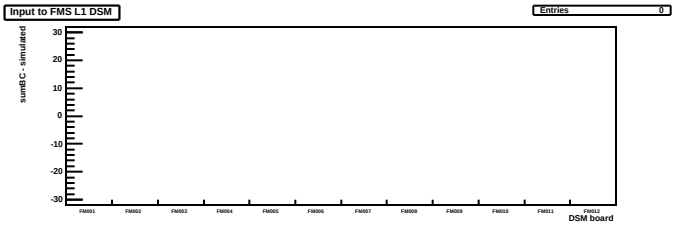

Input to FMS L1 DSM
Entries 1168908
sumD
DSM board

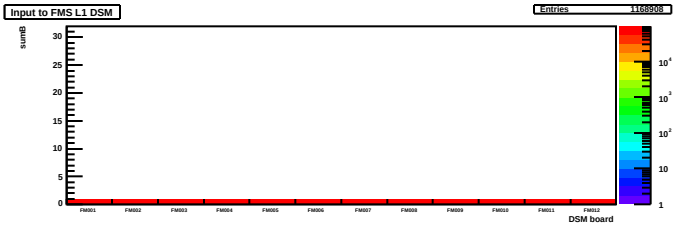

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

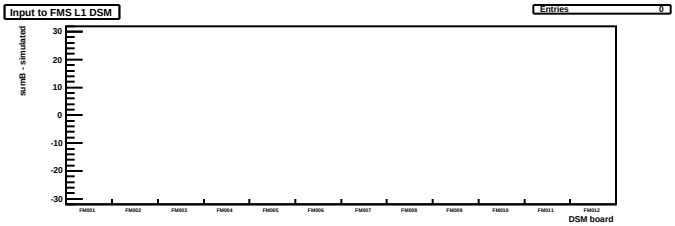

Input to FMS L1 DSM
Entries 1168908
sumC
DSM board

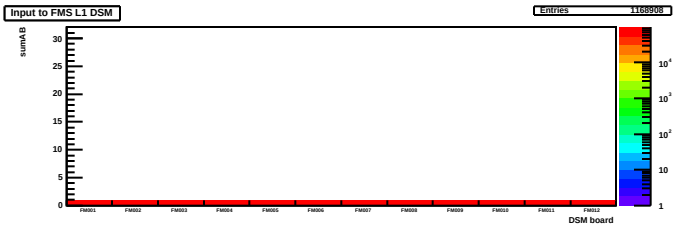

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

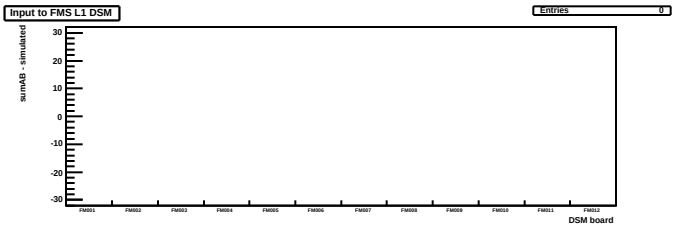

Input to FMS L1 DSM
Entries 1168908
sumBC
DSM board

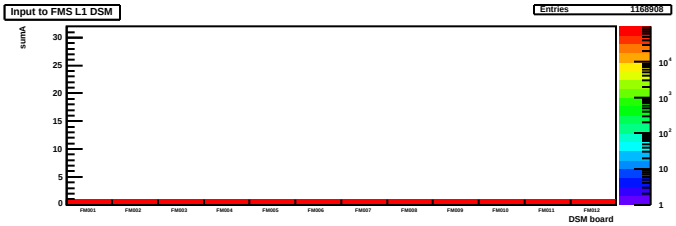

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

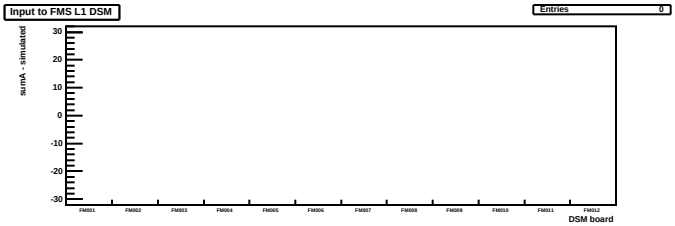

Input to FMS L1 DSM
Entries 1168908
sumB
DSM board

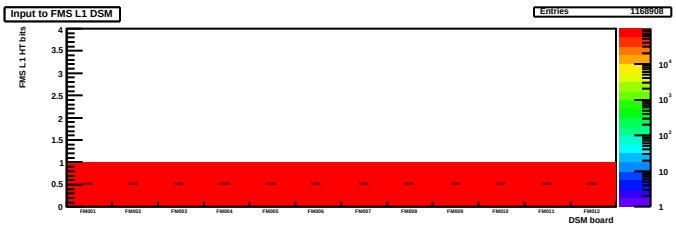

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

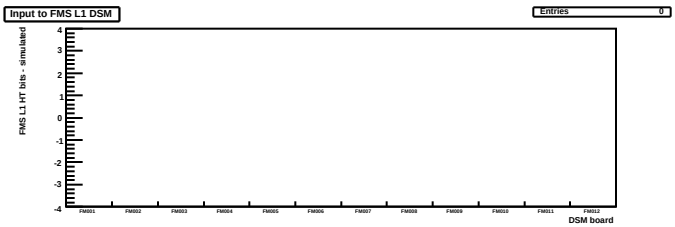

Input to FMS L1 DSM
Entries 1168908
sumAB
DSM board

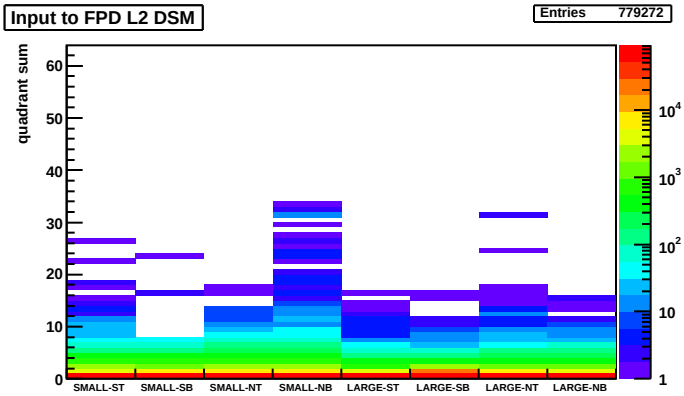

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

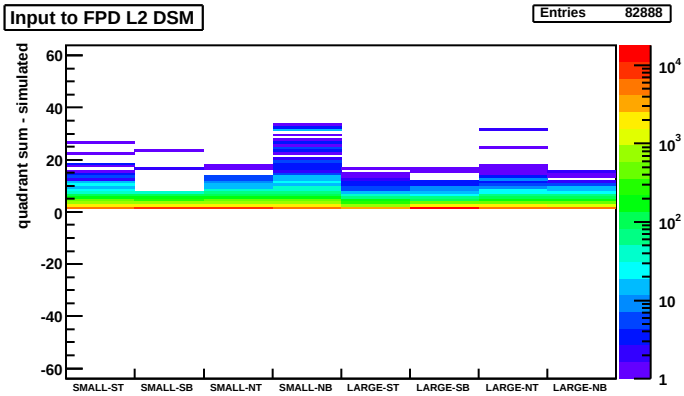

Input to FMS L1 DSM
Entries 1168908
sumA
DSM board

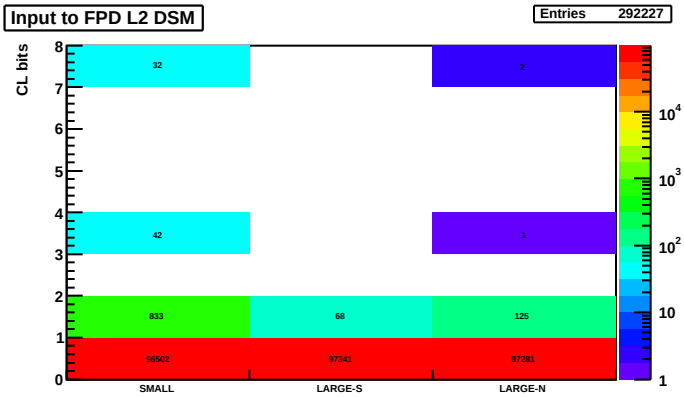

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

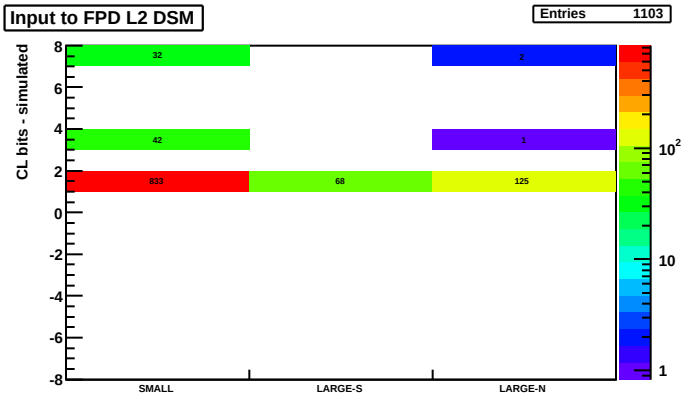

Input to FMS L1 DSM
Entries 1168908
FMS L1 HT bits
DSM board

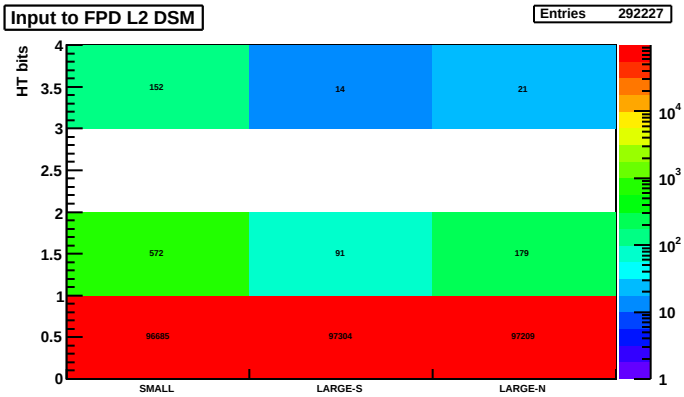

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

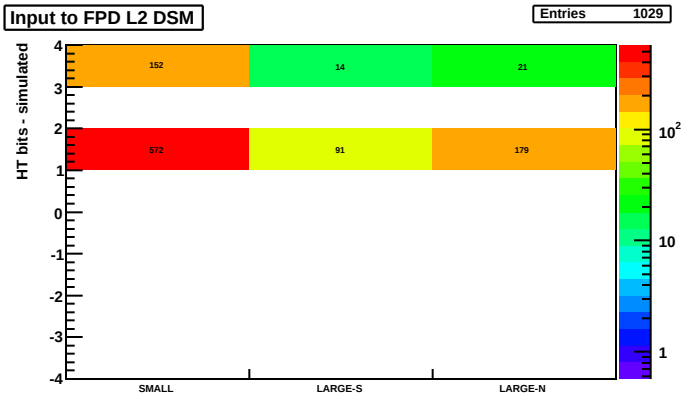

Input to FPD L2 DSM
Entries 779272
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

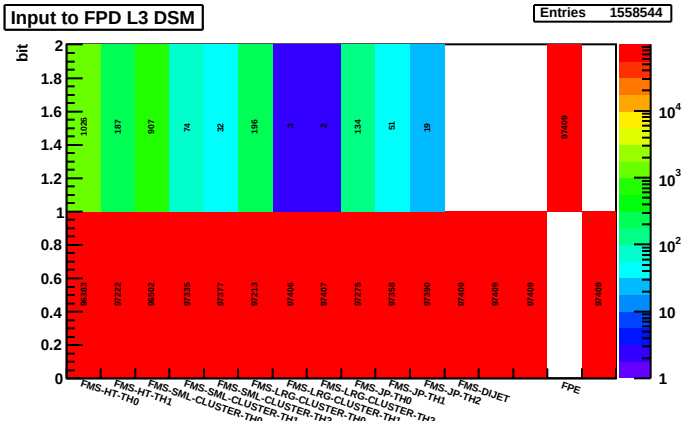

Input to FPD L2 DSM
Entries 82888
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

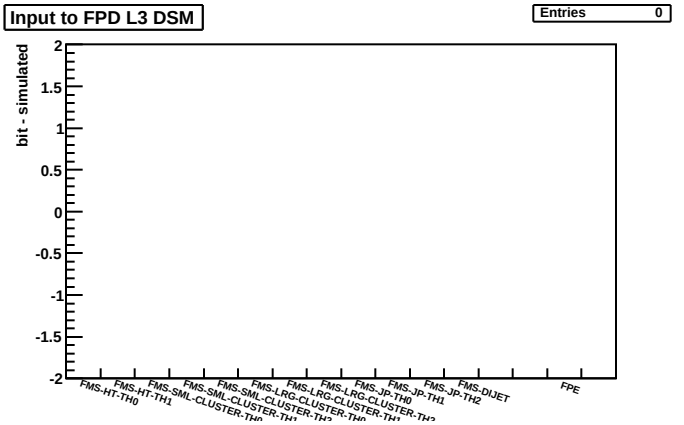

Input to FPD L2 DSM
Entries 292227
CL bits
32
2
42
1
833
68
125
96502
97341
97281
SMALL
LARGE-S
LARGE-N

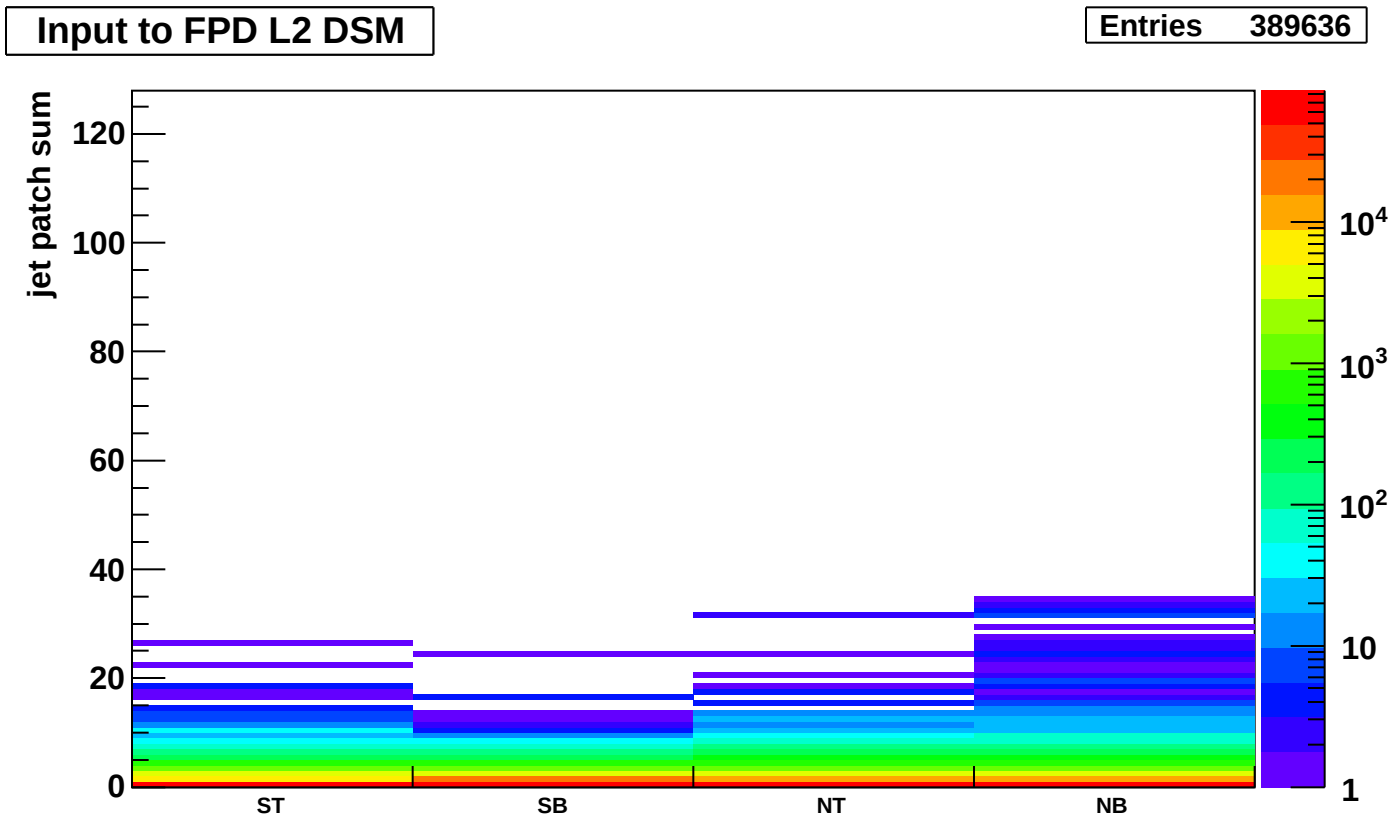

Input to FPD L2 DSM
Entries 1103
CL bits - simulated
32
2
42
1
833
68
125
SMALL
LARGE-S
LARGE-N

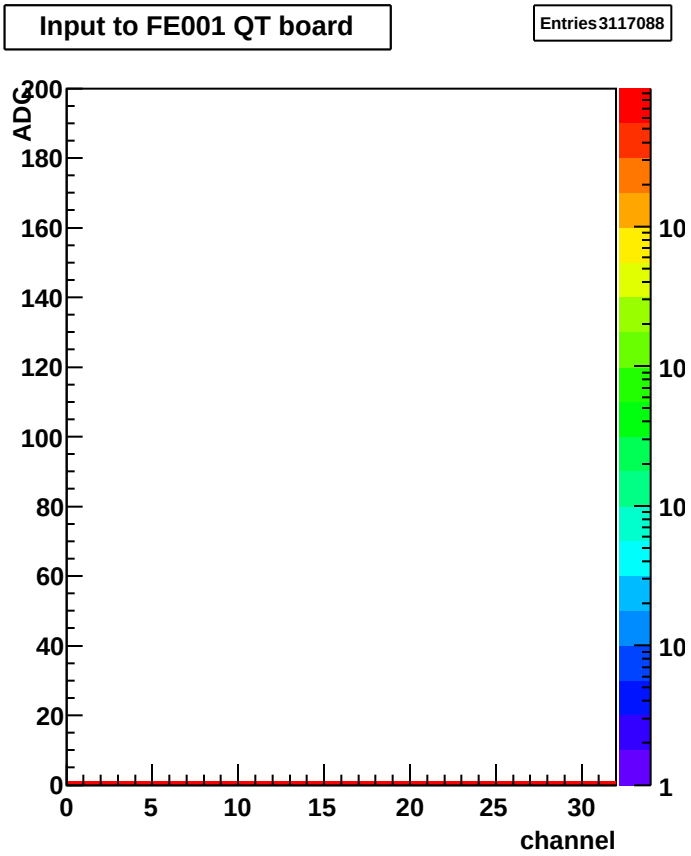

Input to FPD L2 DSM
Entries 292227
HT bits
152
14
21
572
91
179
96685
97304
97209
SMALL
LARGE-S
LARGE-N

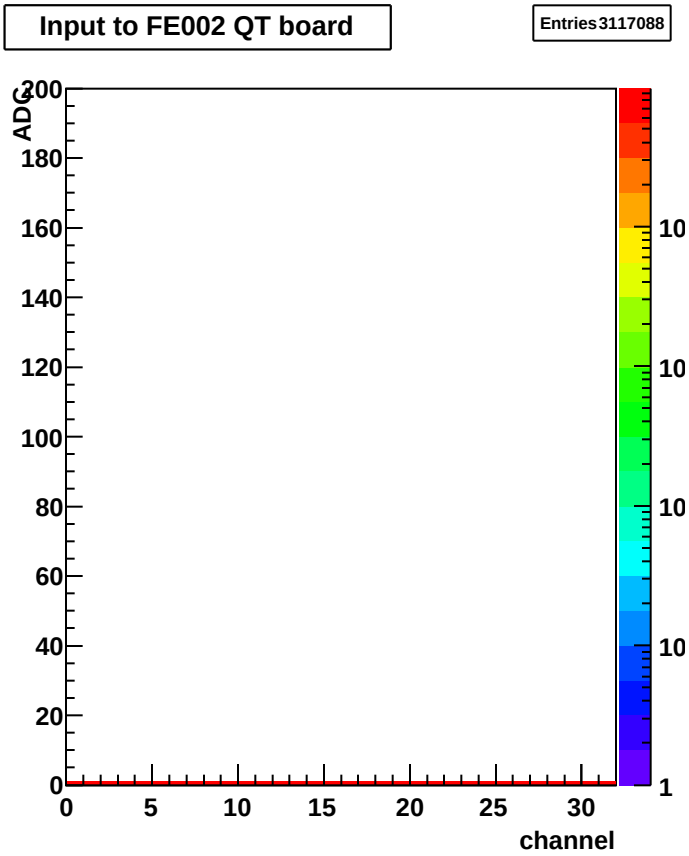

Input to FPD L2 DSM
Entries 1029
HT bits - simulated
152
14
21
572
91
179
SMALL
LARGE-S
LARGE-N

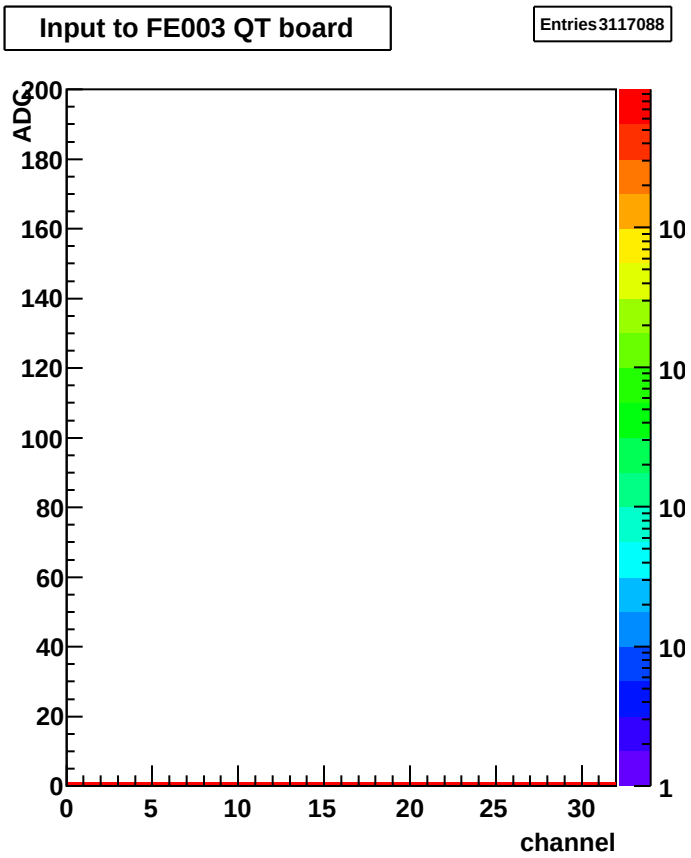

Input to FPD L3 DSM
Entries 1558544
bit
1026
187
907
74
32
196
3
2
134
51
19
97409
97222
96502
97335
97377
97213
97406
97407
97275
97358
97390
97409
97409
97409
97409
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

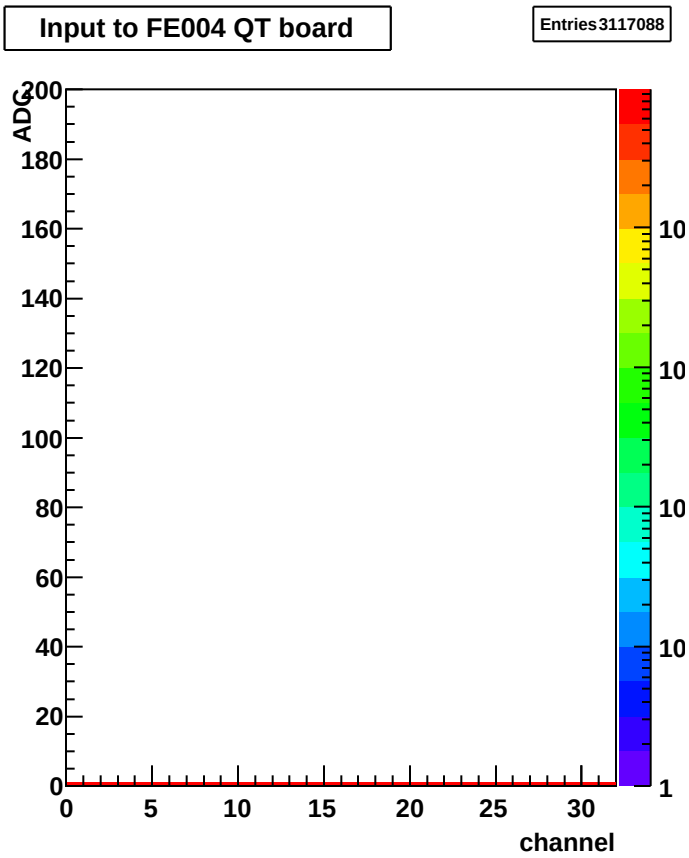

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

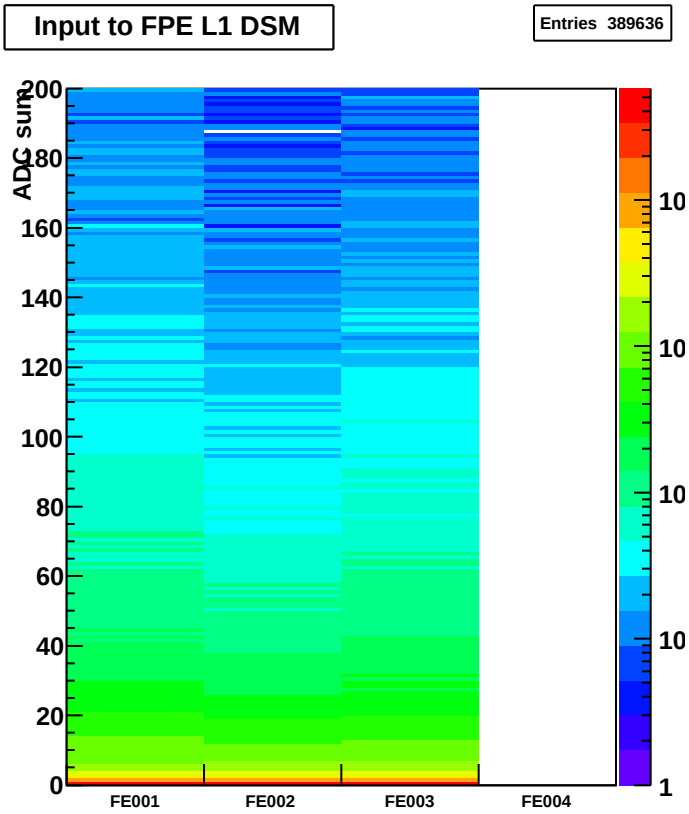

Input to FPD L2 DSM
Entries 389636
jet patch sum
120
100
80
60
40
20
0
ST
SB
NT
NB
10^4
10^3
10^2
10
1

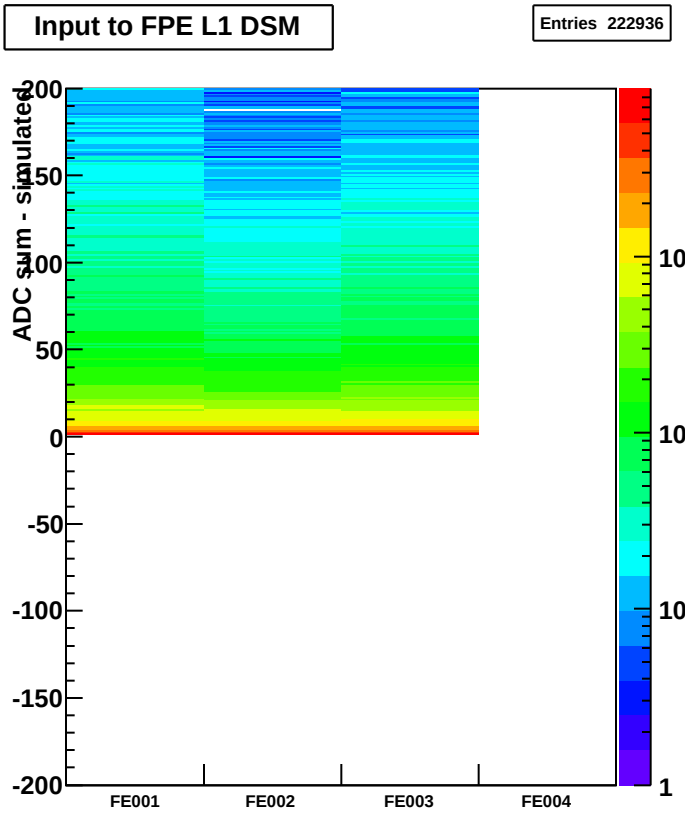

Input to FE001 QT board
Entries 3117088
ADC
channel

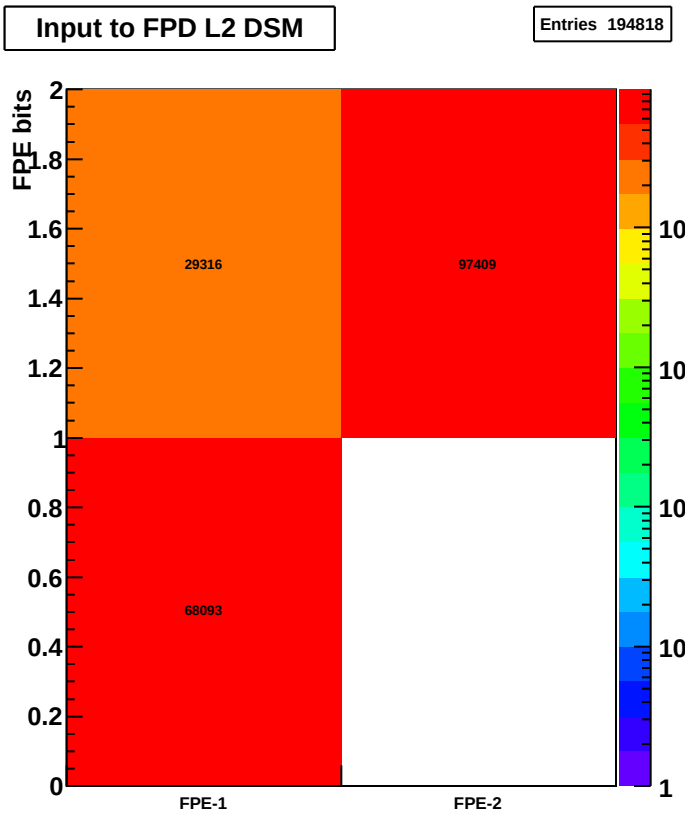

Input to FE002 QT board
Entries 3117088
ADC
channel

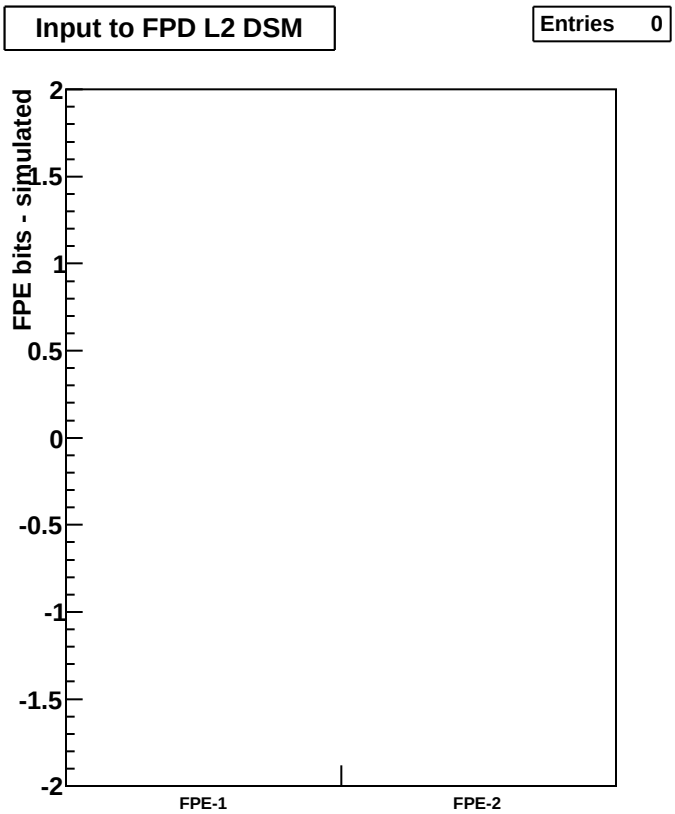

Input to FE003 QT board
Entries 3117088
ADC
channel


Input to FE004 QT board
Entries 3117088
ADC
channel


Input to FPE L1 DSM
Entries 389636
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 222936
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 194818
FPE bits
29316
97409
68093
FPE-1
FPE-2


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