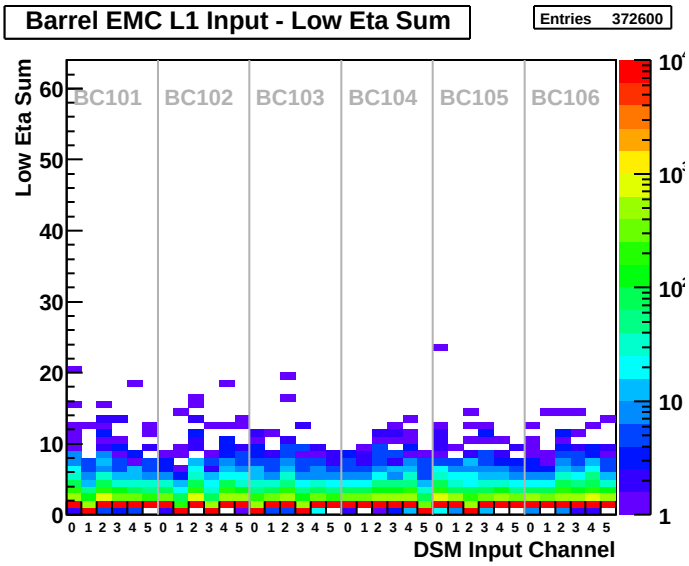
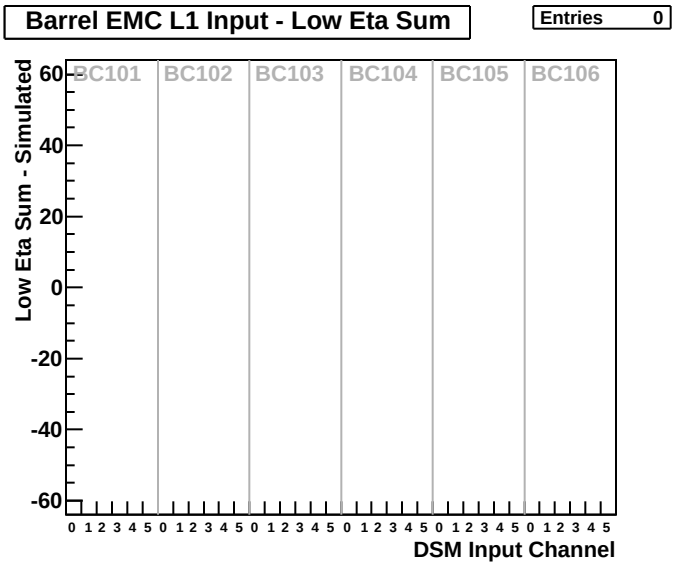
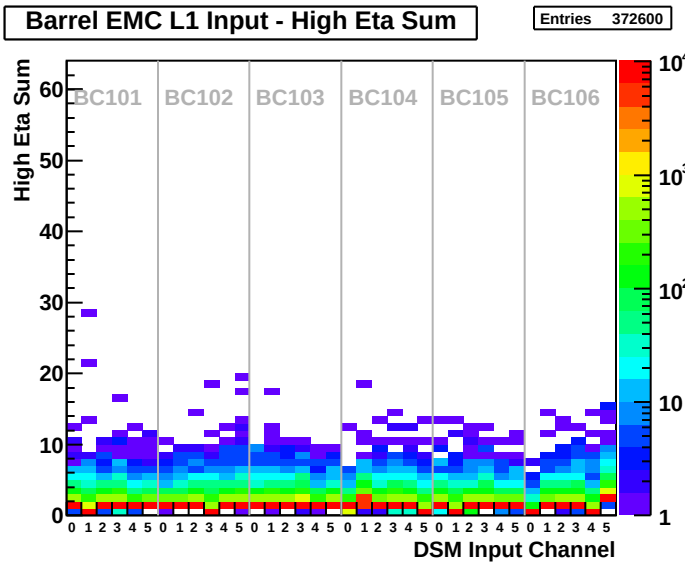
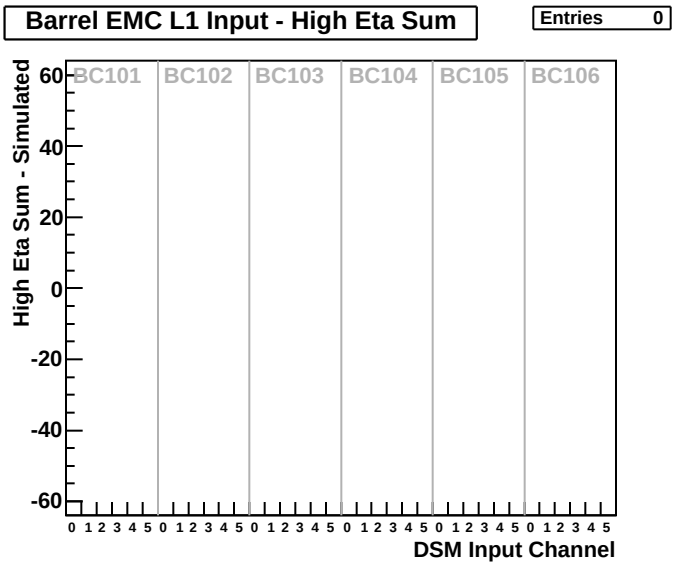
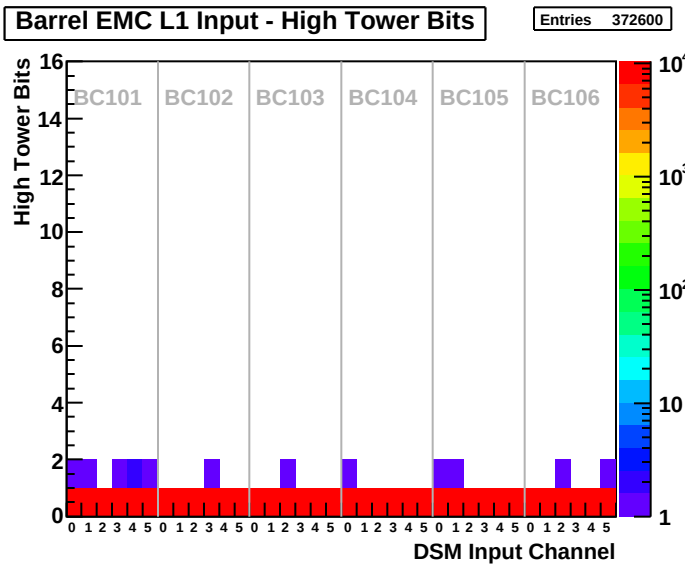
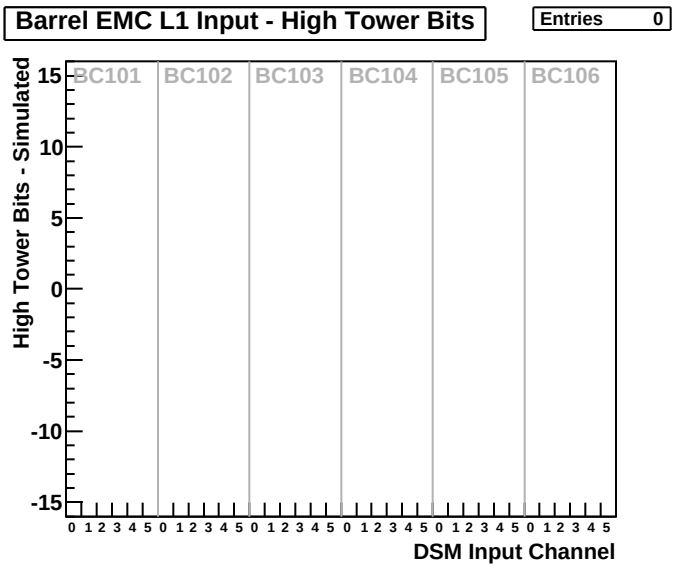

Barrel EMC L1 Input - Low Eta Sum
Entries 372600
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

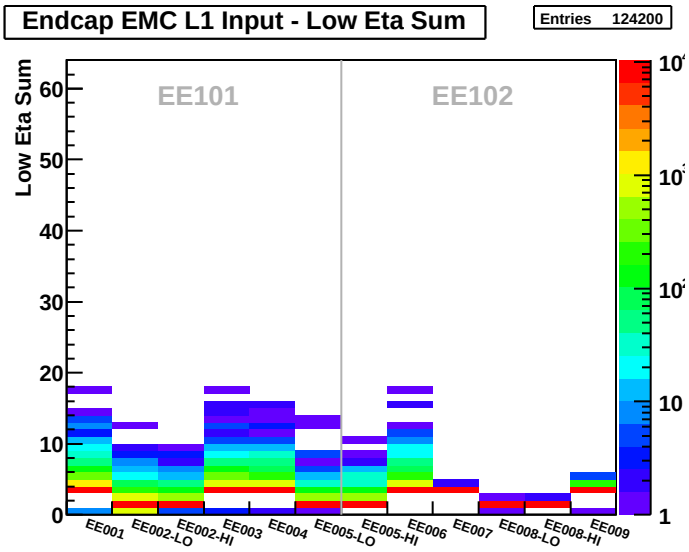

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

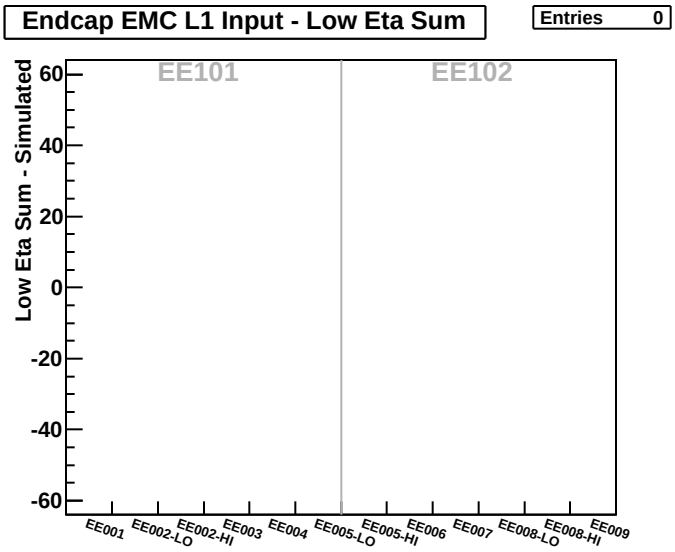

Barrel EMC L1 Input - High Eta Sum
Entries 372600
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

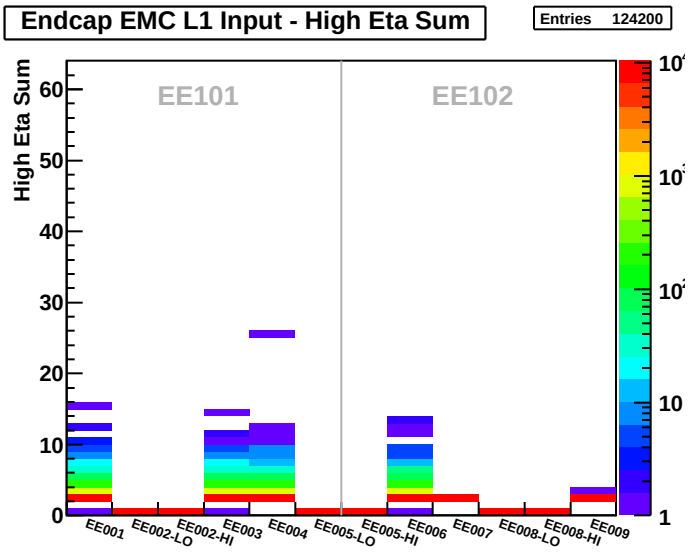

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

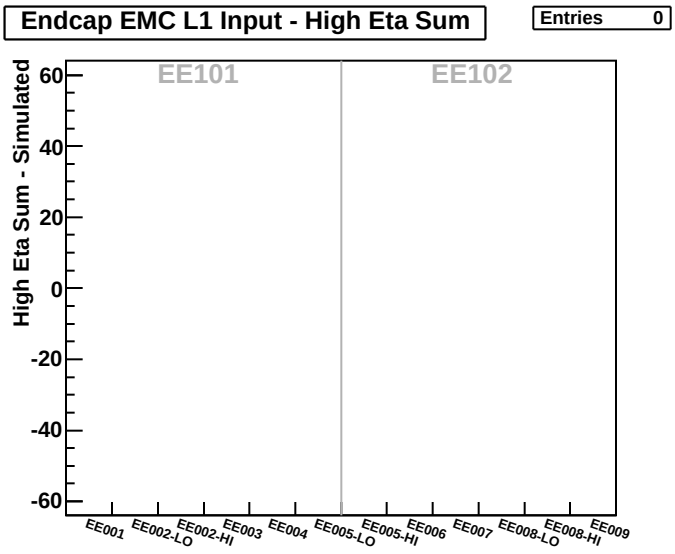

Barrel EMC L1 Input - High Tower Bits
Entries 372600
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

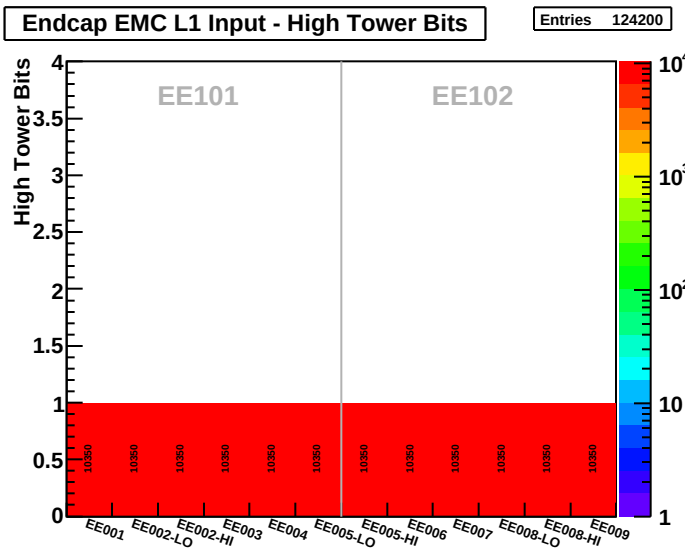

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

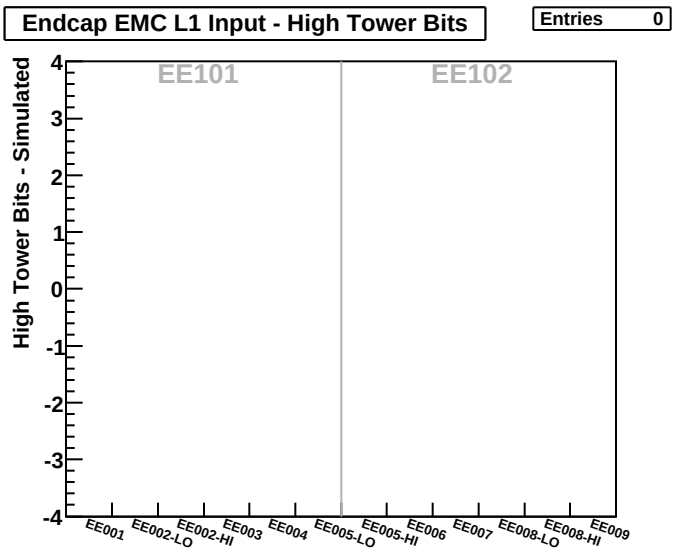

Endcap EMC L1 Input - Low Eta Sum
Entries 124200
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

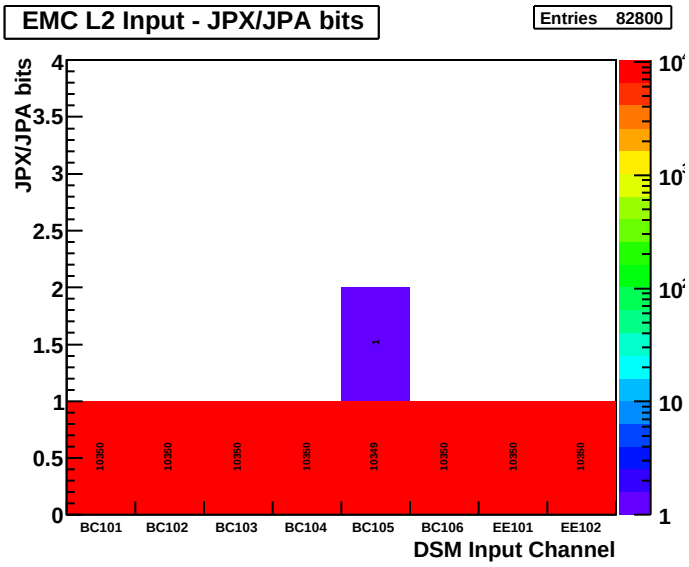

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

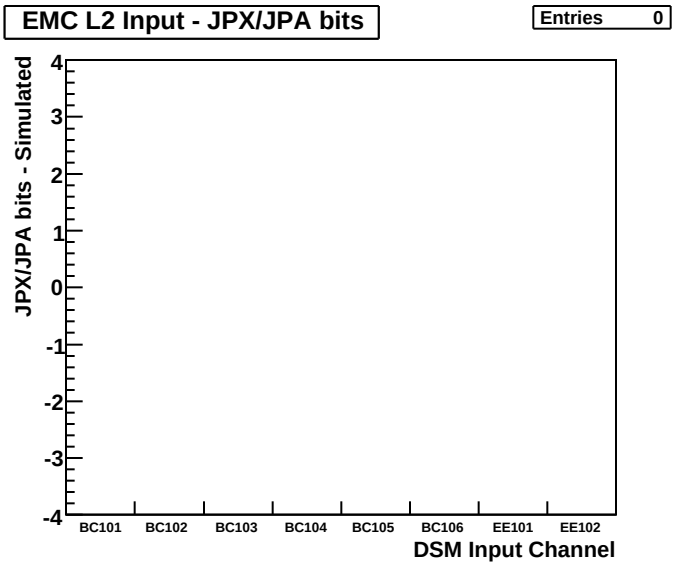

Endcap EMC L1 Input - High Eta Sum
Entries 124200
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

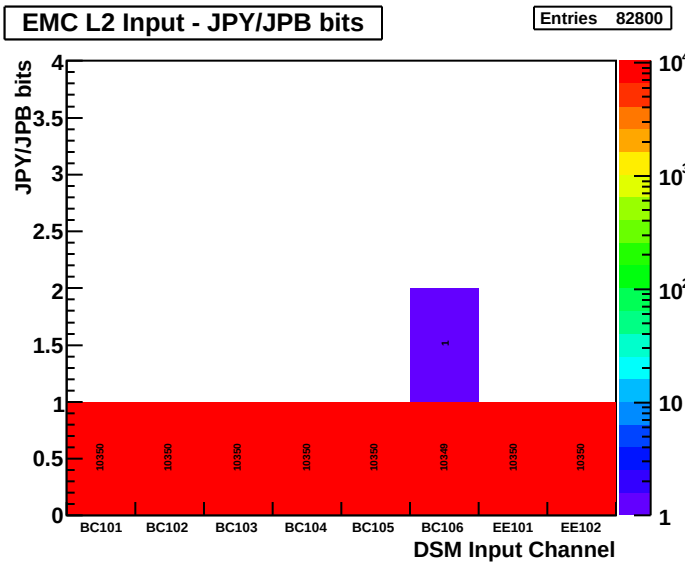

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

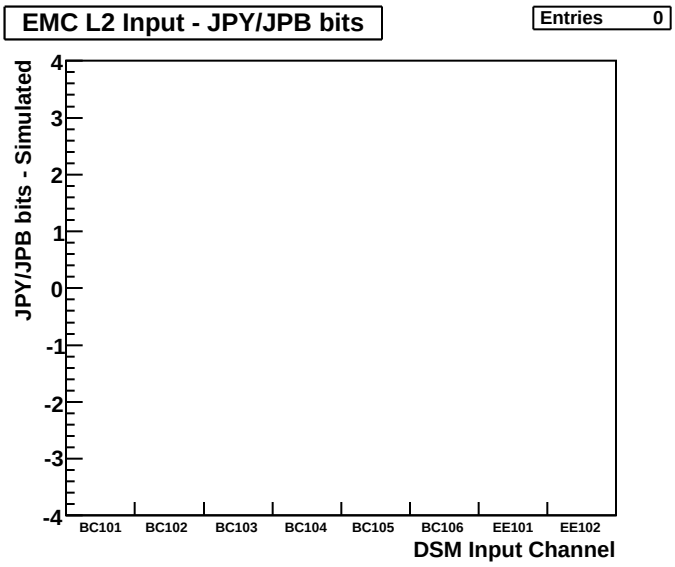

Endcap EMC L1 Input - High Tower Bits
Entries 124200
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

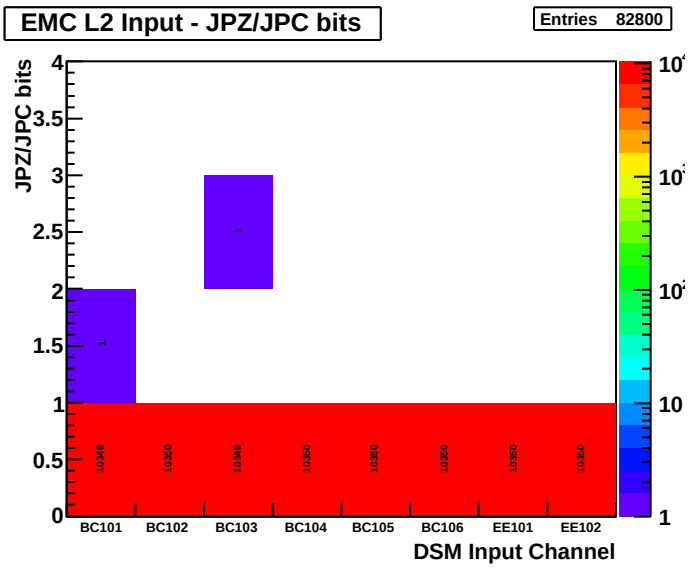

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

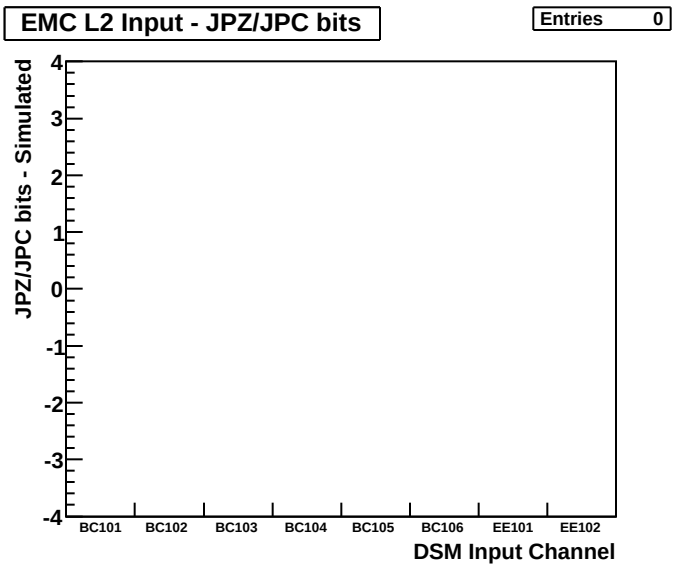

EMC L2 Input - JPX/JPA bits
Entries 82800
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

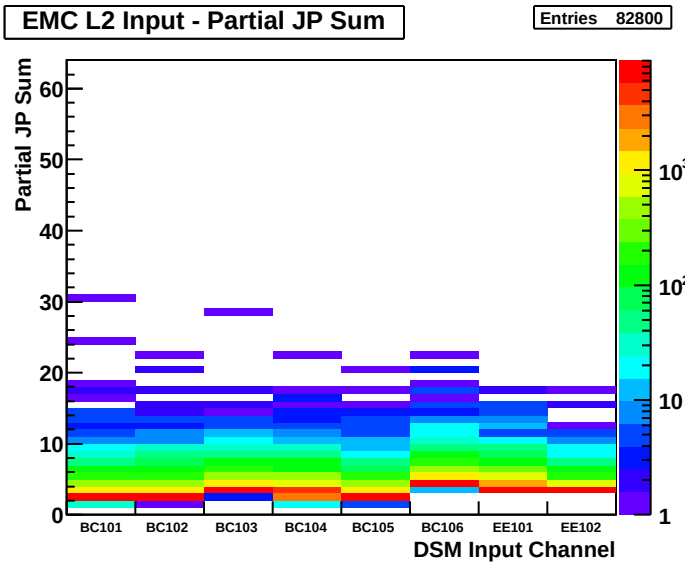

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

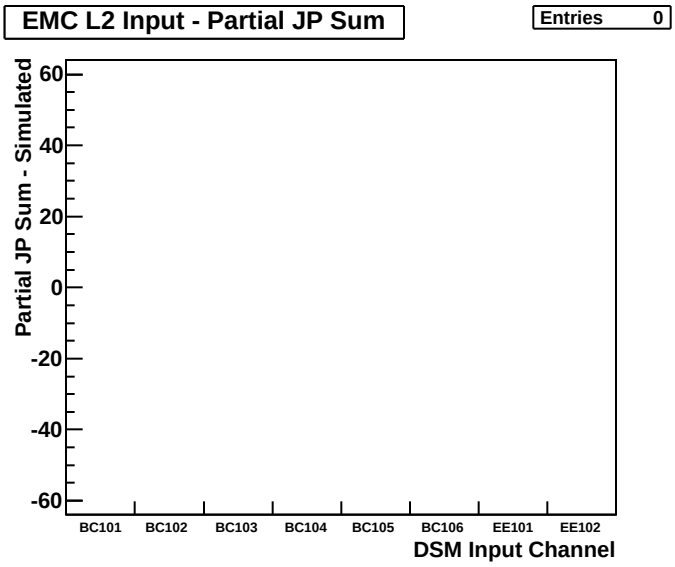

EMC L2 Input - JPY/JPB bits
Entries 82800
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

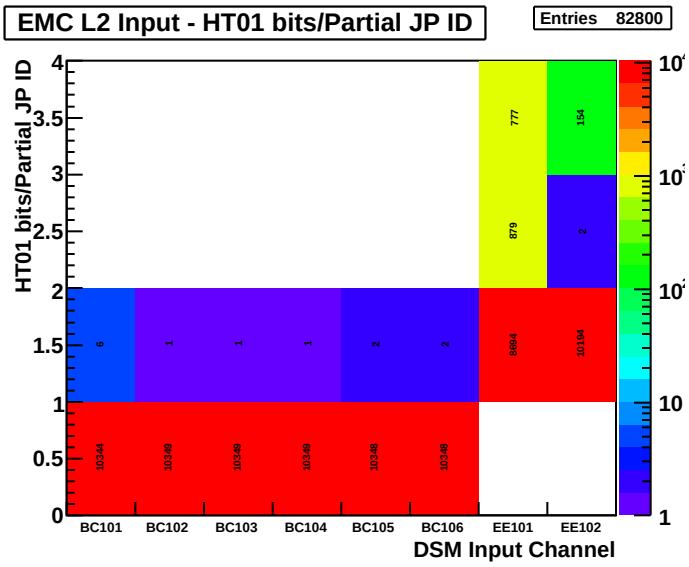

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

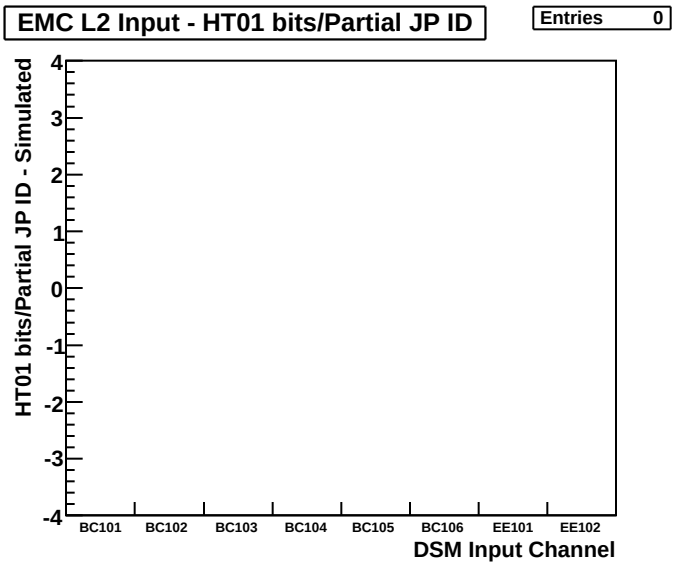

EMC L2 Input - JPZ/JPC bits
Entries 82800
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

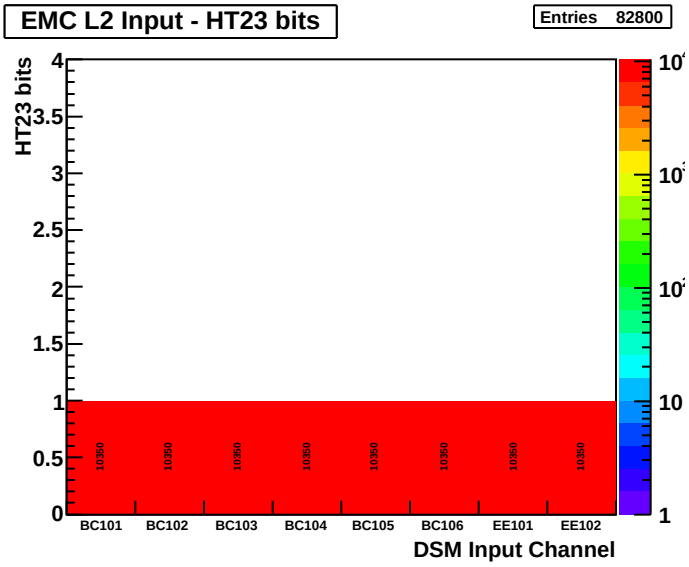

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

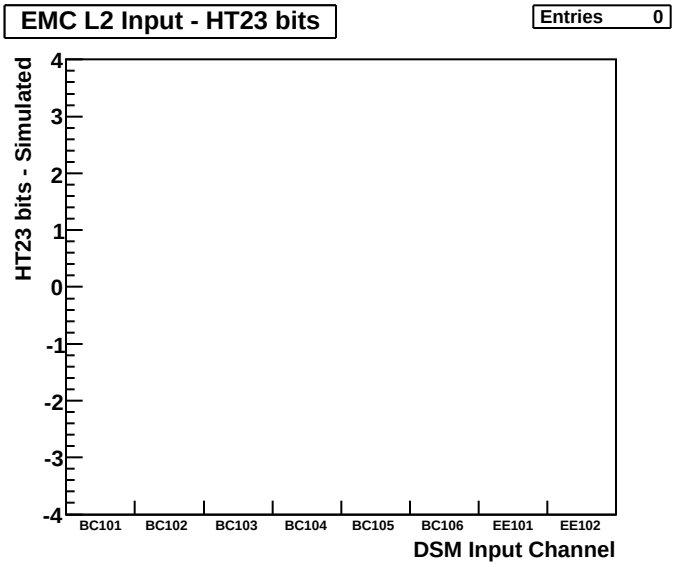

EMC L2 Input - Partial JP Sum
Entries 82800
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

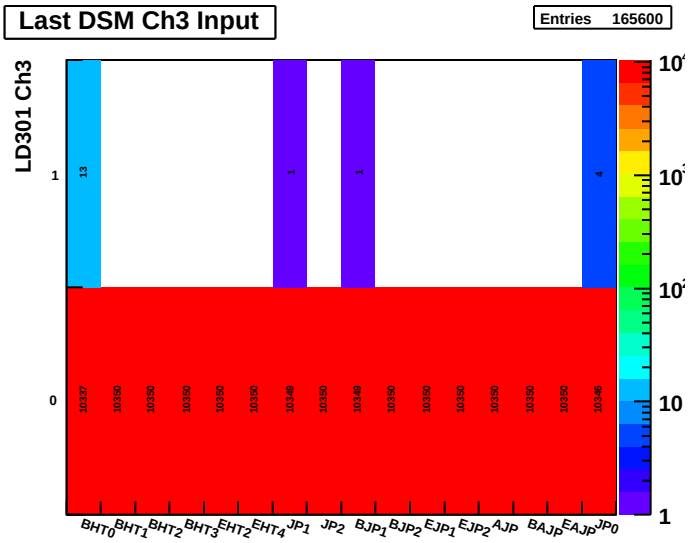

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

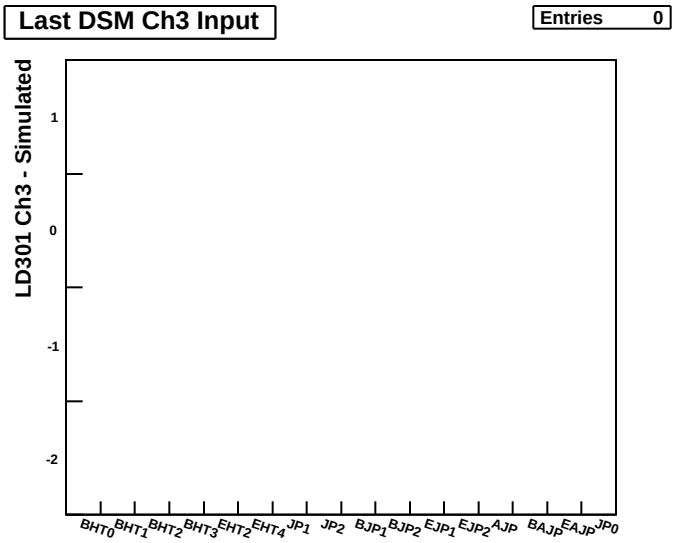

EMC L2 Input - HT01 bits/Partial JP ID
Entries 82800
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

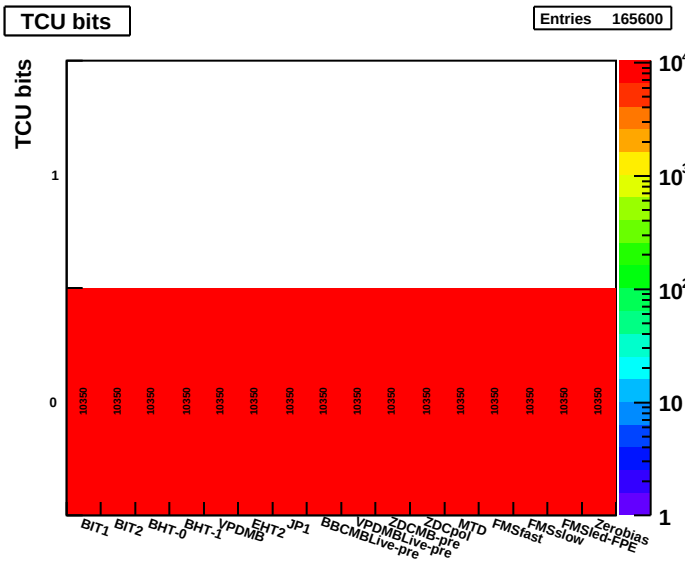

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

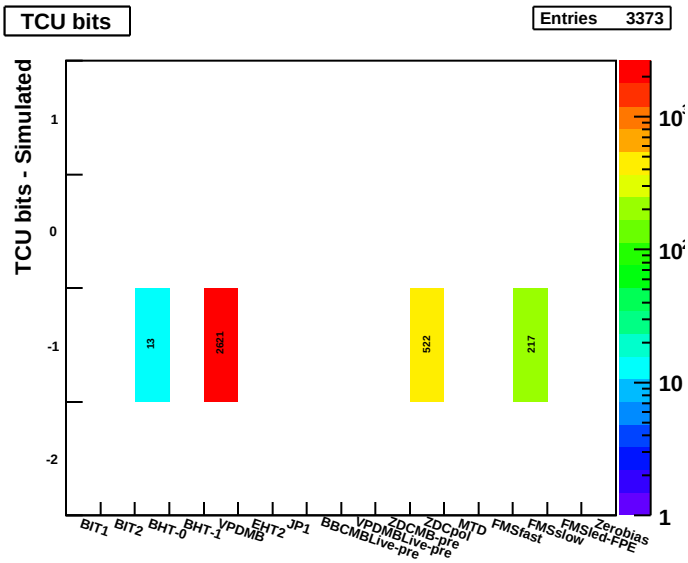

EMC L2 Input - HT23 bits
Entries 82800
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

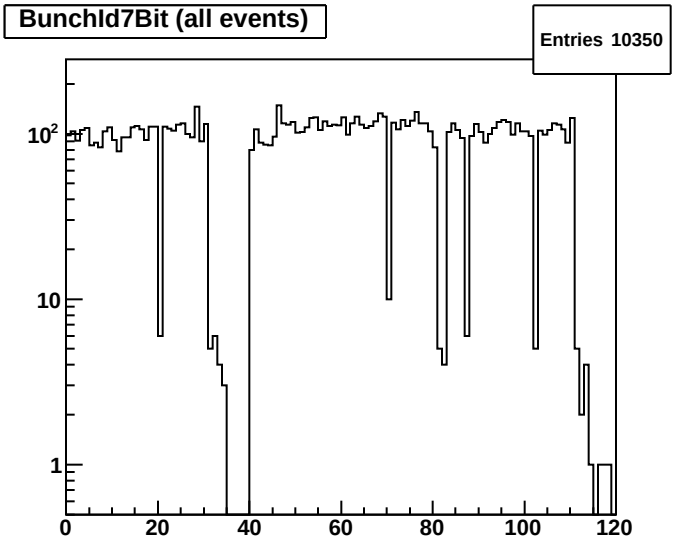

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

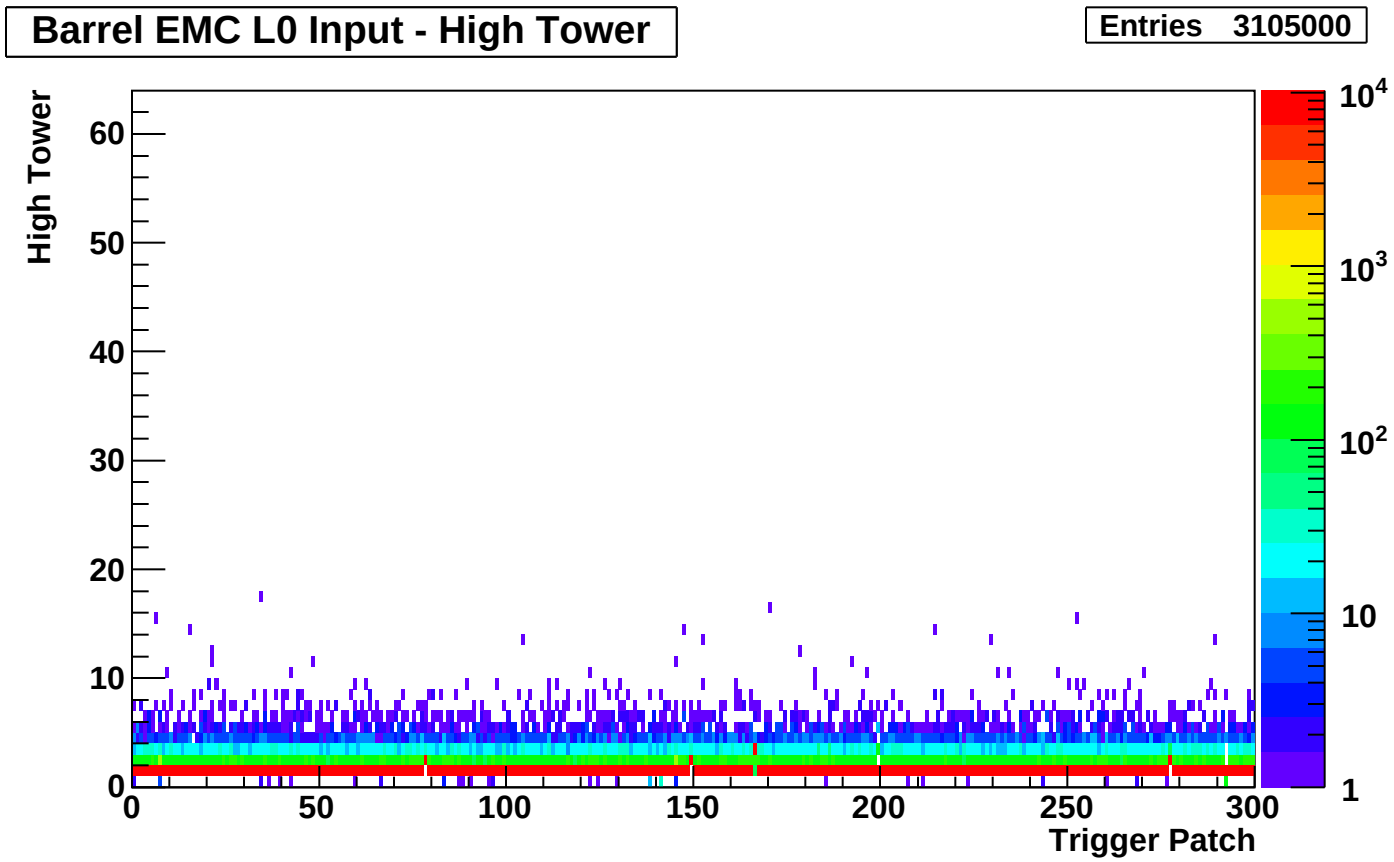

Last DSM Ch3 Input
Entries 165600
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

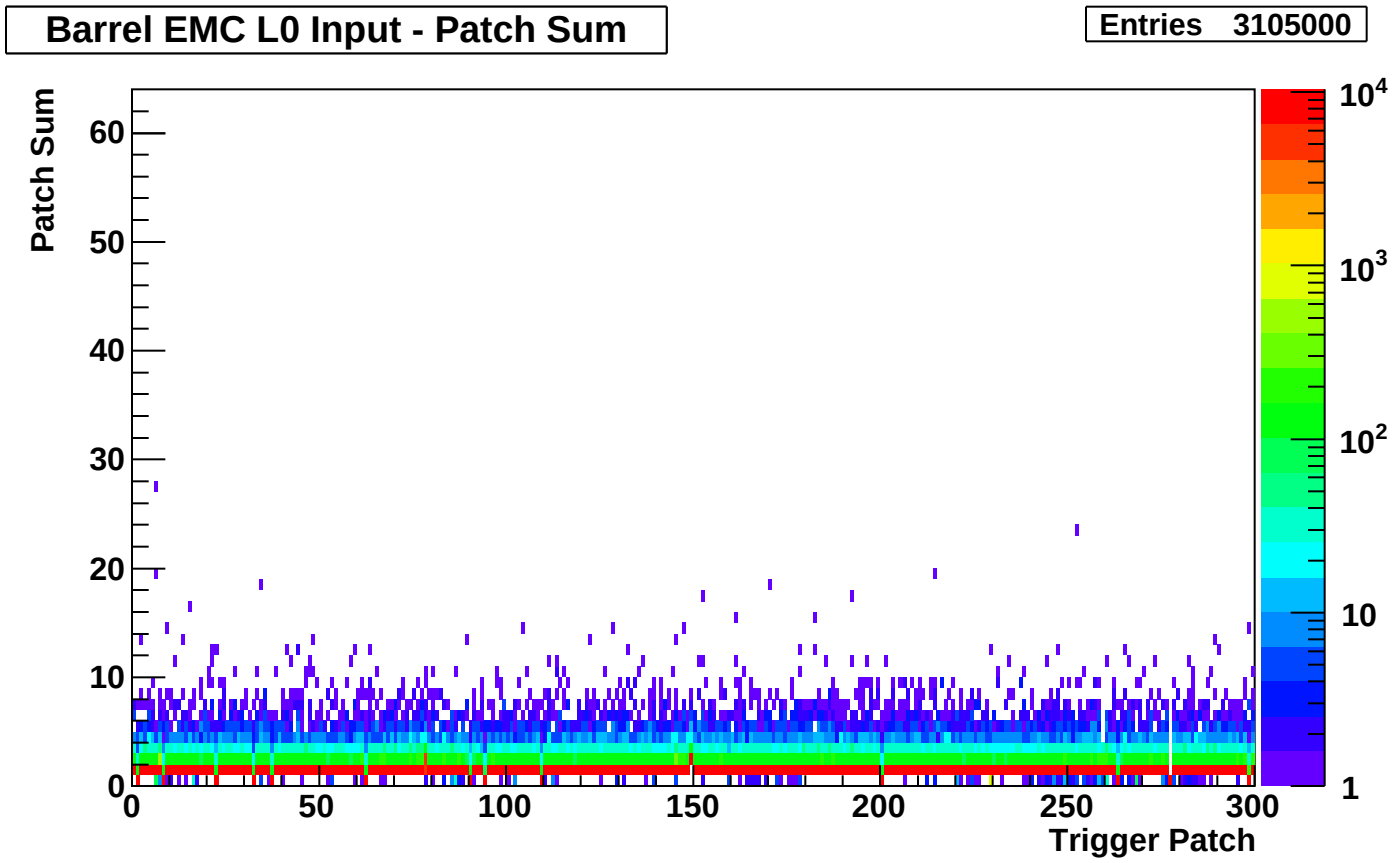

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

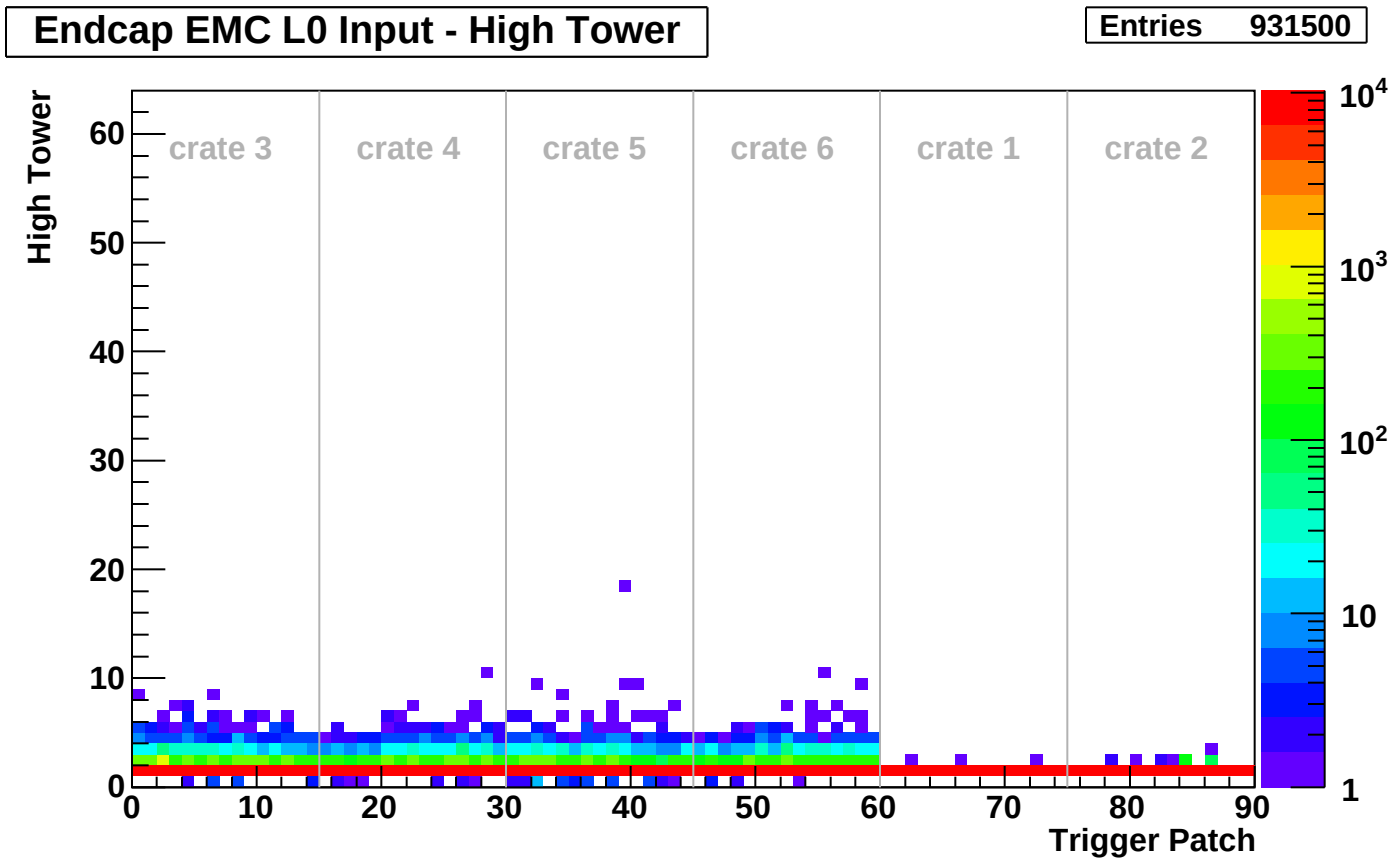

TCU bits
Entries 165600
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

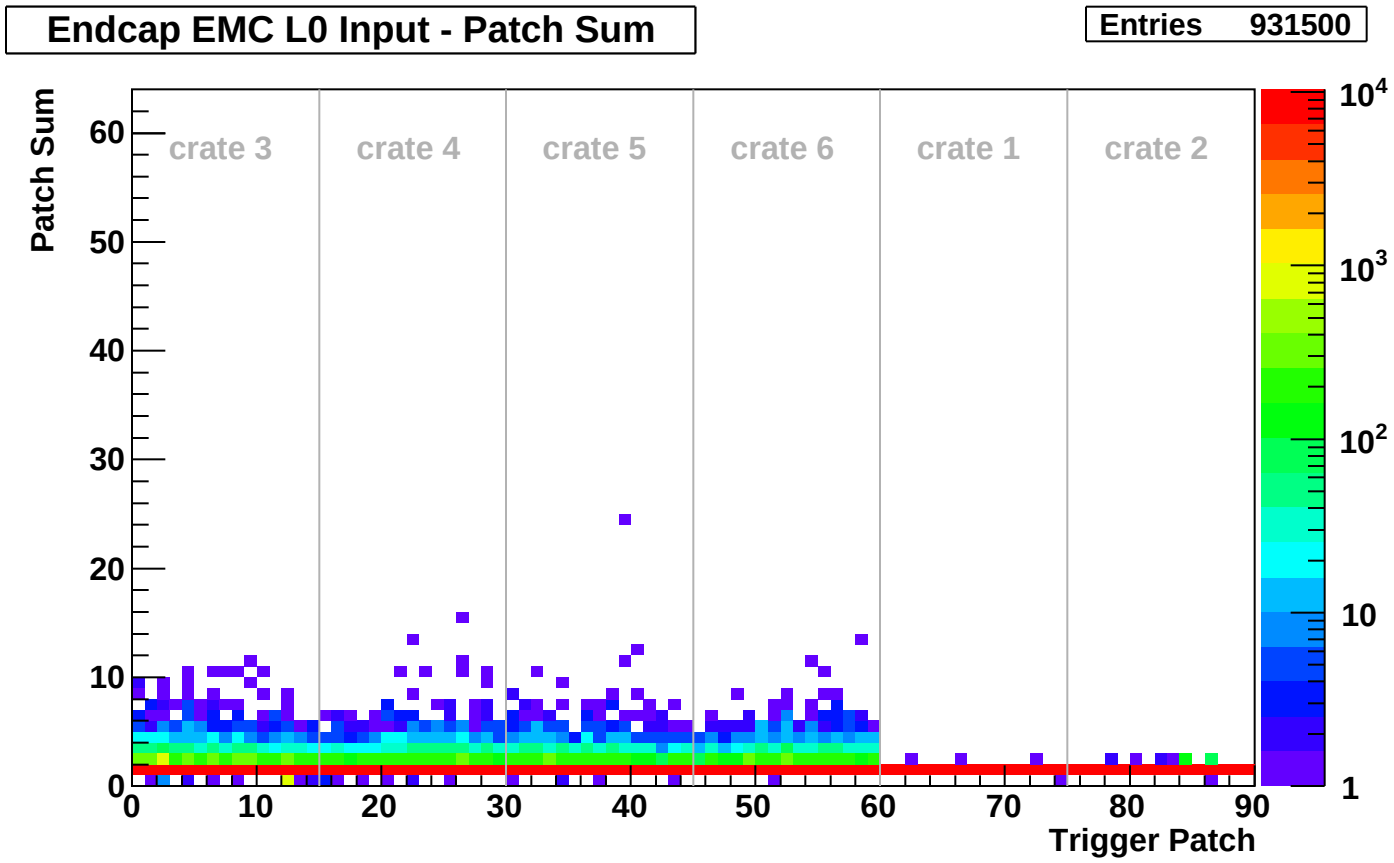

TCU bits
Entries 3373
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

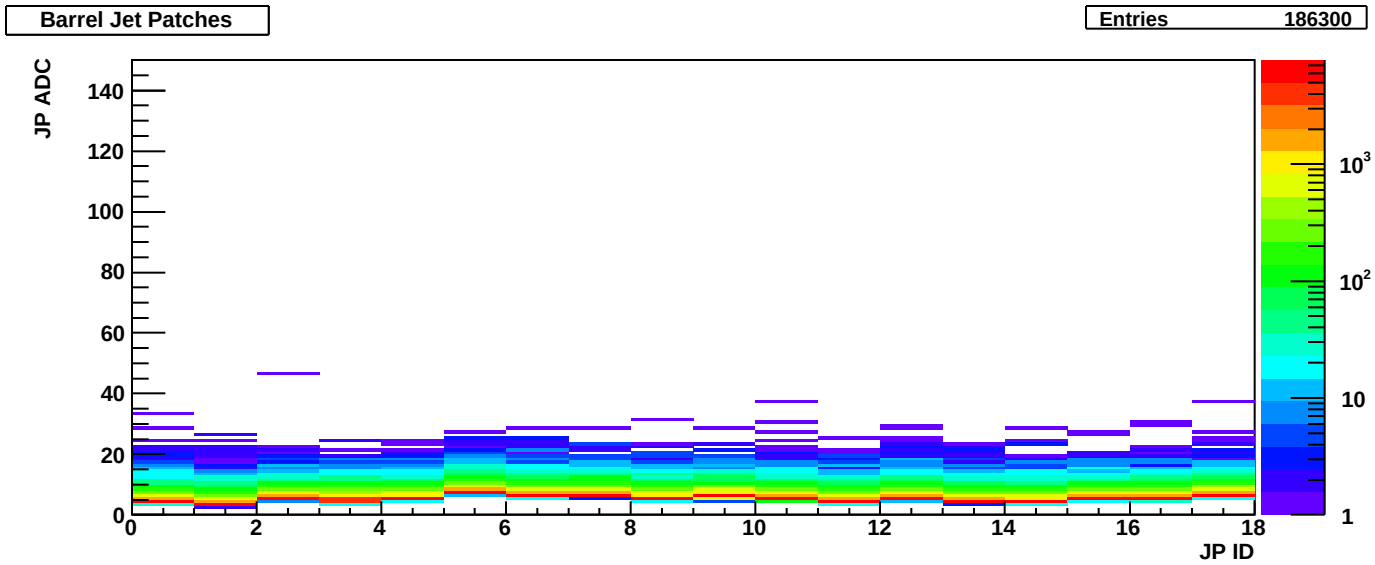

BunchId7Bit (all events)
Entries 10350

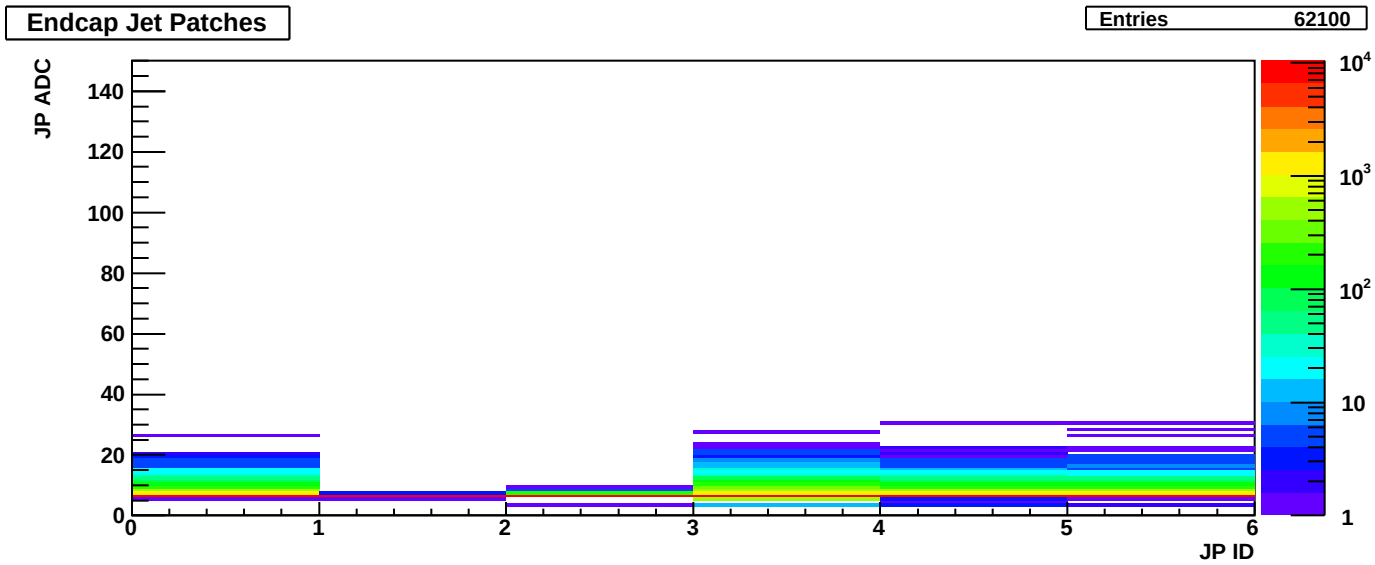

Barrel EMC L0 Input - High Tower
Entries 3105000
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

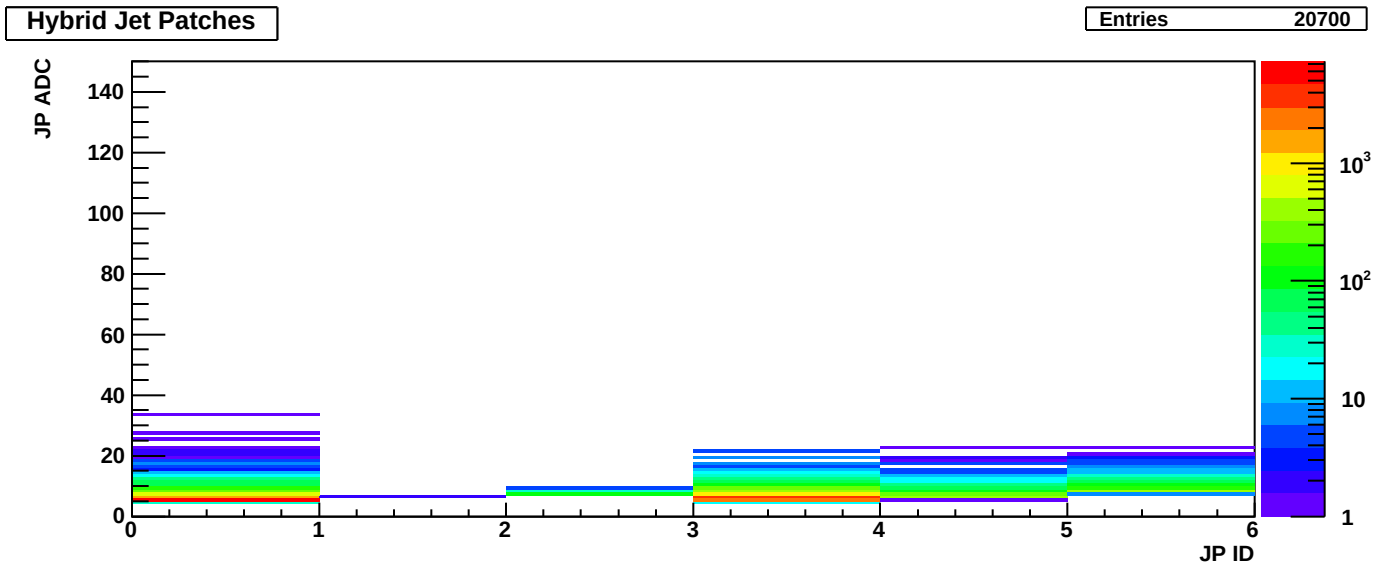

Barrel EMC L0 Input - Patch Sum
Entries 3105000
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

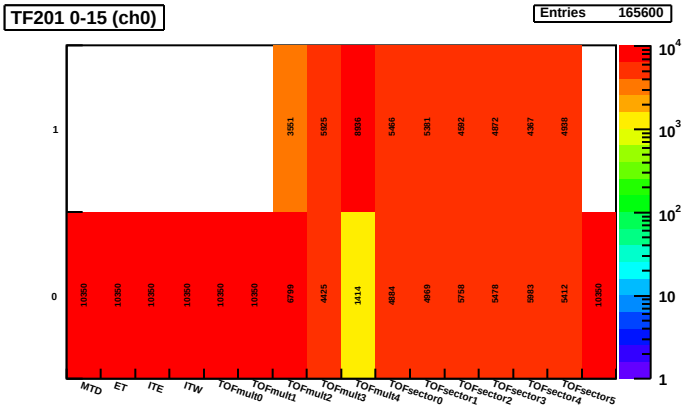

Endcap EMC L0 Input - High Tower
Entries 931500
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

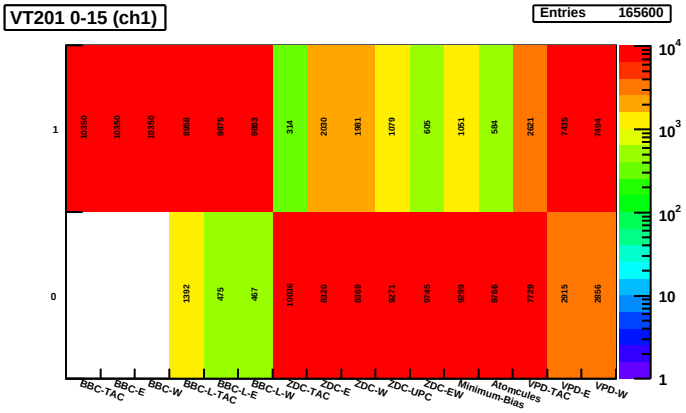

Endcap EMC L0 Input - Patch Sum
Entries 931500
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

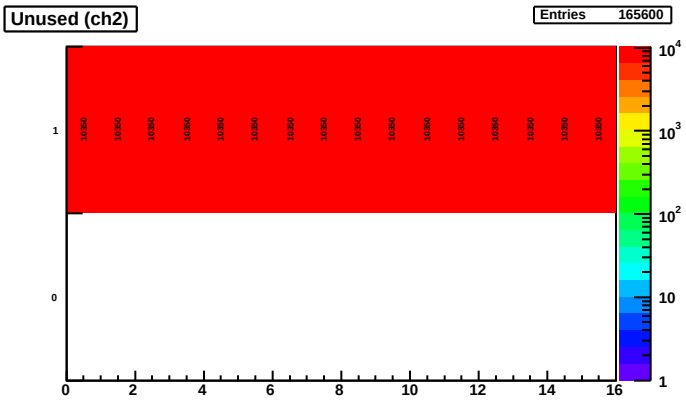

Barrel Jet Patches
Entries 186300
JP ADC
JP ID

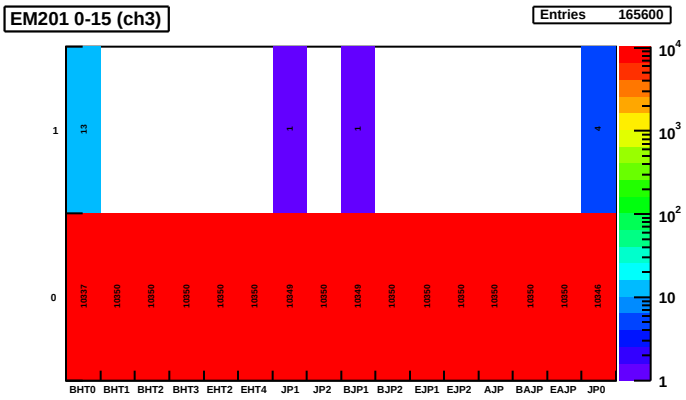

Endcap Jet Patches
Entries 62100
JP ADC
JP ID

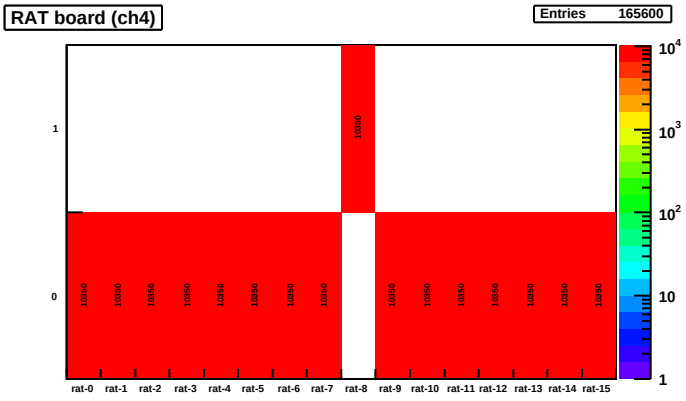

Hybrid Jet Patches
Entries 20700
JP ADC
JP ID

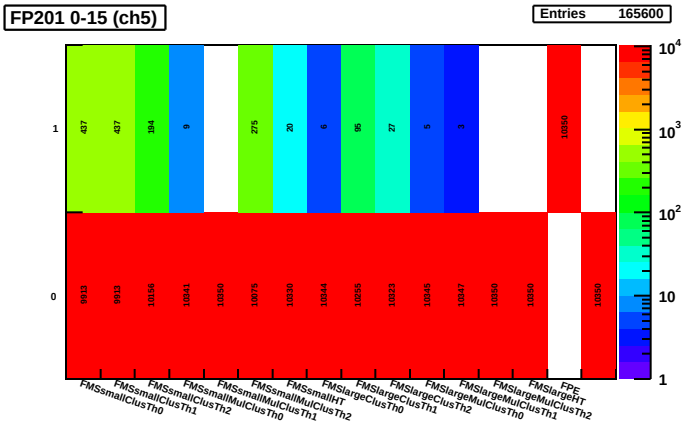

TF201 0-15 (ch0)
Entries 165600
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

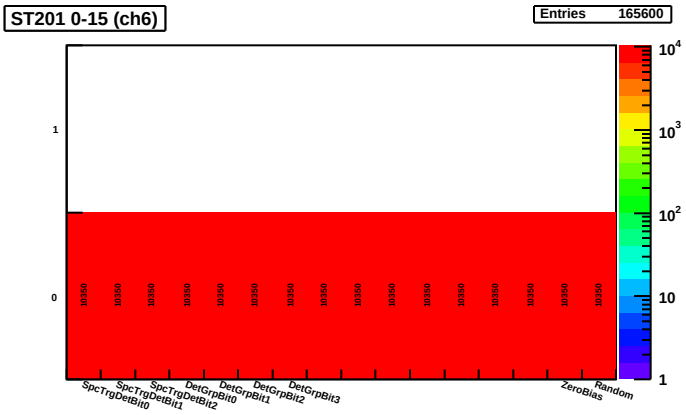

VT201 0-15 (ch1)
Entries 165600
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

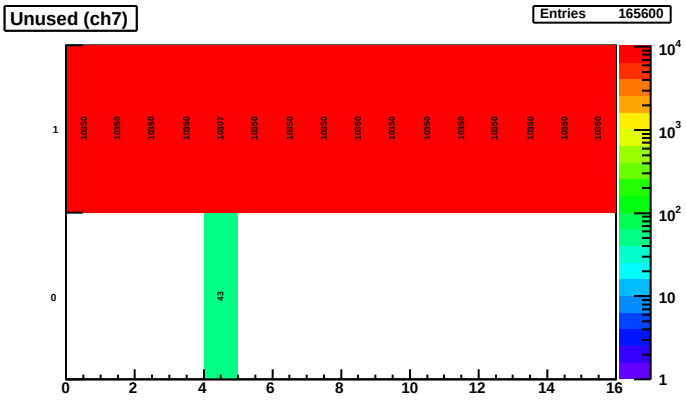

Unused (ch2)
Entries 165600

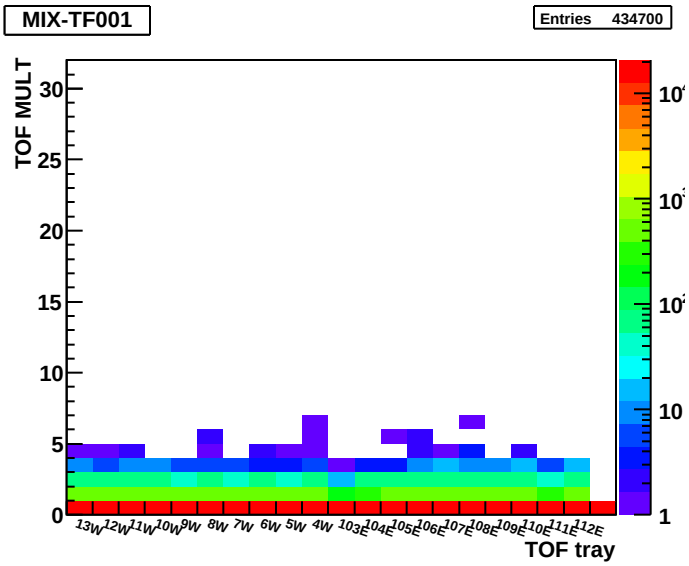

EM201 0-15 (ch3)
Entries 165600
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

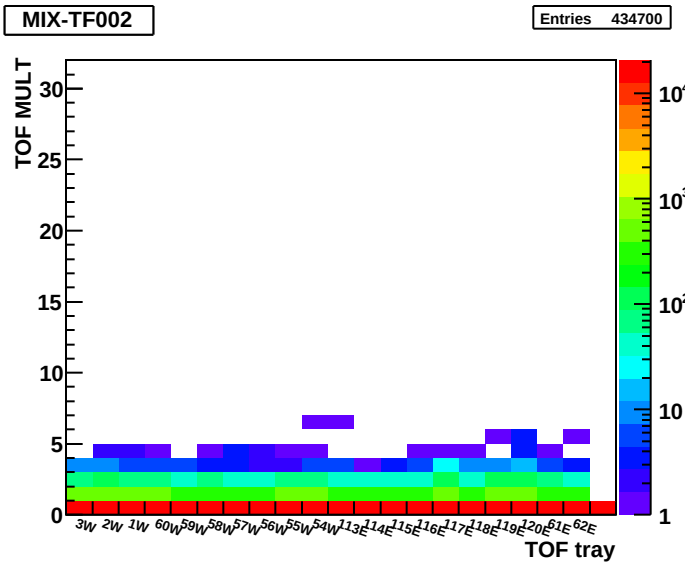

RAT board (ch4)
Entries 165600
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

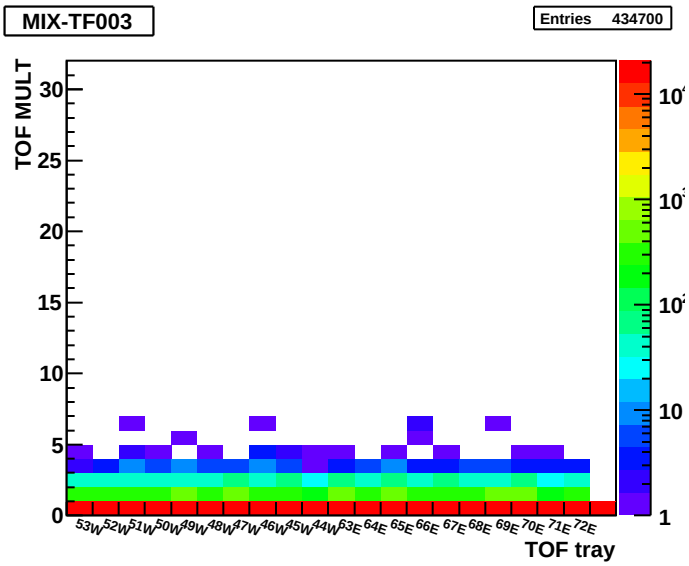

FP201 0-15 (ch5)
Entries 165600
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

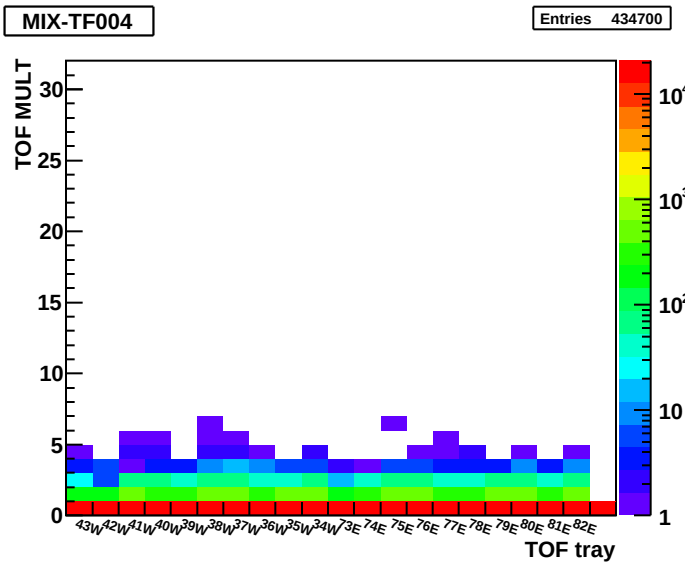

ST201 0-15 (ch6)
Entries 165600
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

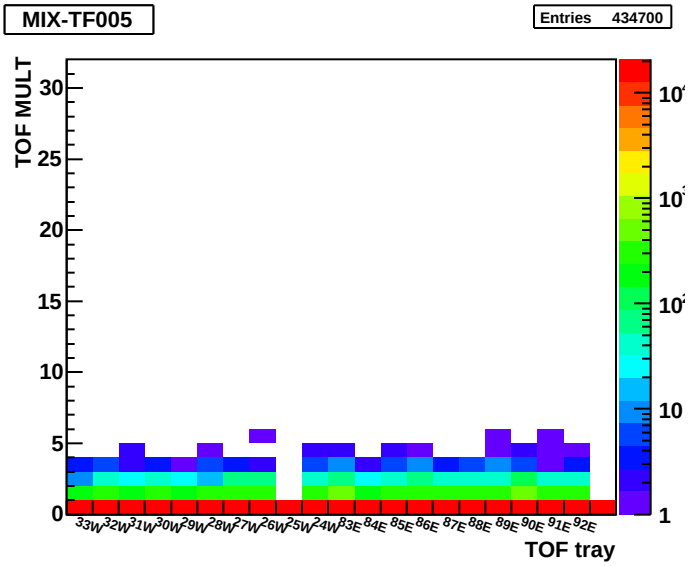

Unused (ch7)
Entries 165600

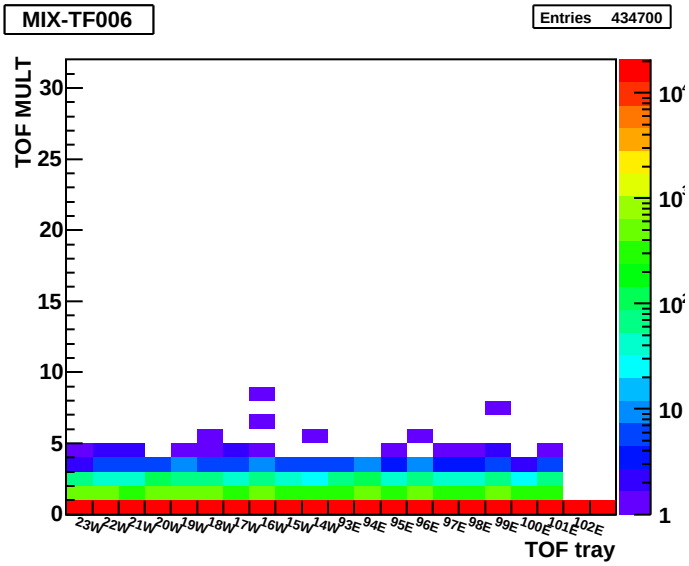

MIX-TF001
Entries 434700
TOF MULT
TOF tray

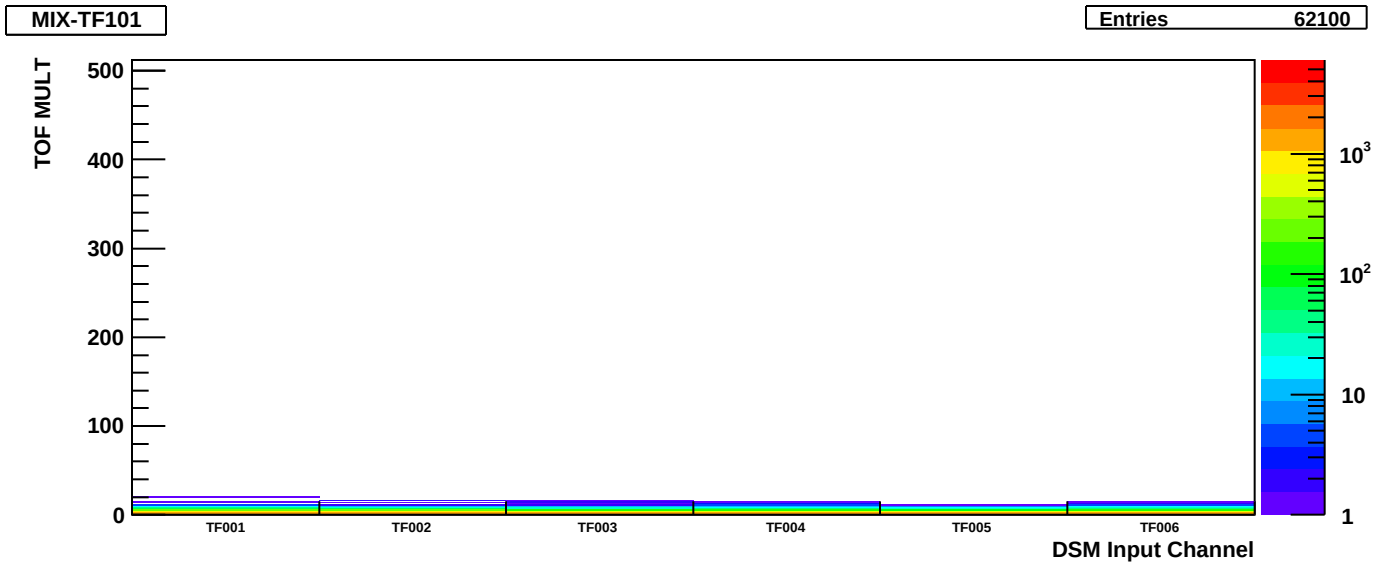

MIX-TF002
Entries 434700
TOF MULT
TOF tray

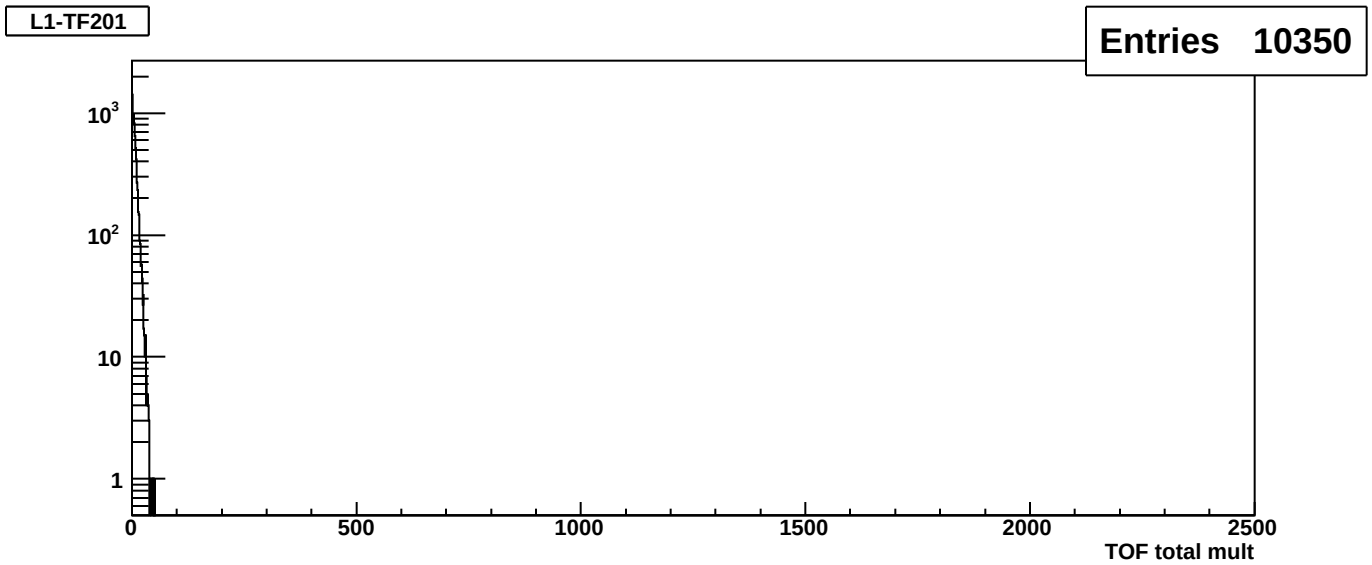

MIX-TF003
Entries 434700
TOF MULT
TOF tray

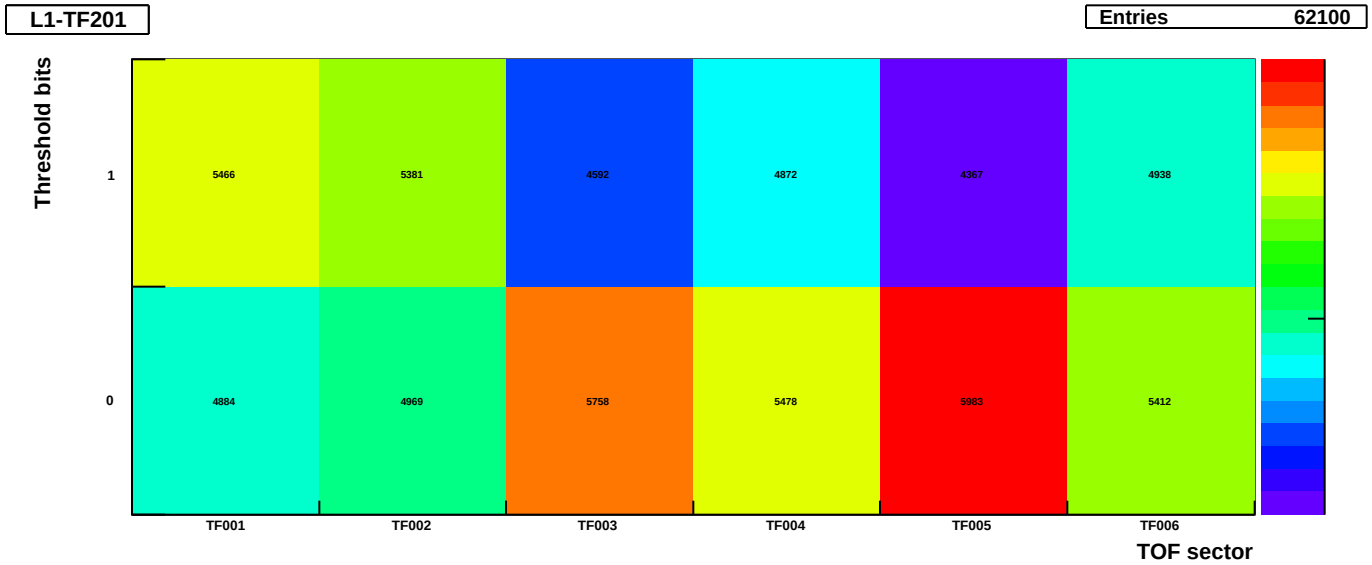

MIX-TF004
Entries 434700
TOF MULT
TOF tray

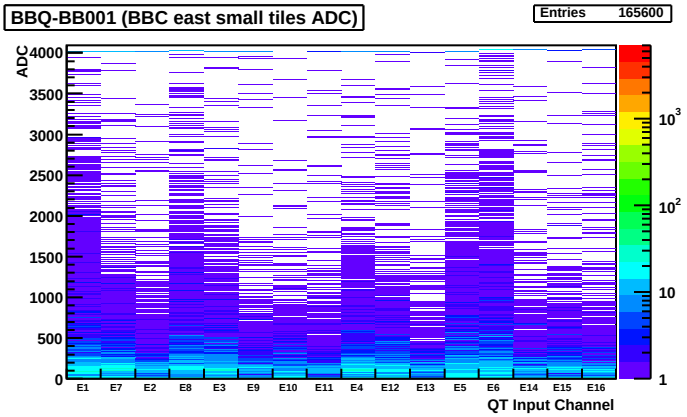

MIX-TF005
Entries 434700
TOF MULT
TOF tray

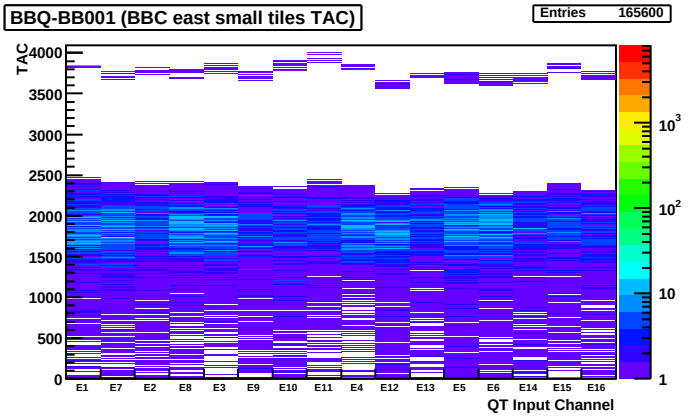

MIX-TF006
Entries 434700
TOF MULT
TOF tray

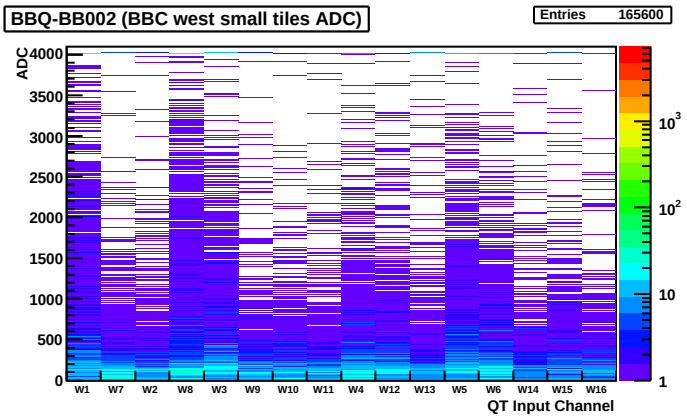

MIX-TF101
Entries 62100
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

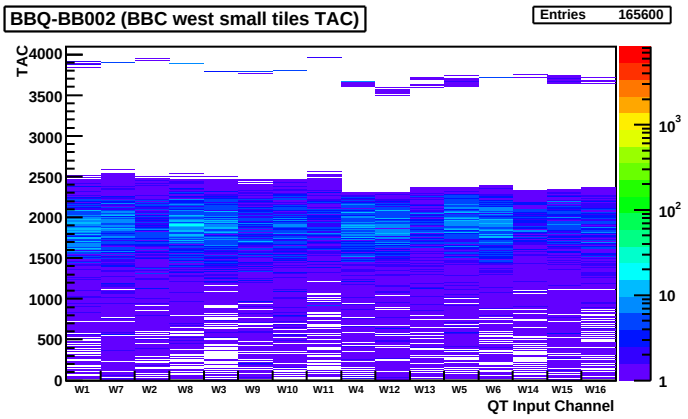

L1-TF201
Entries 10350
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

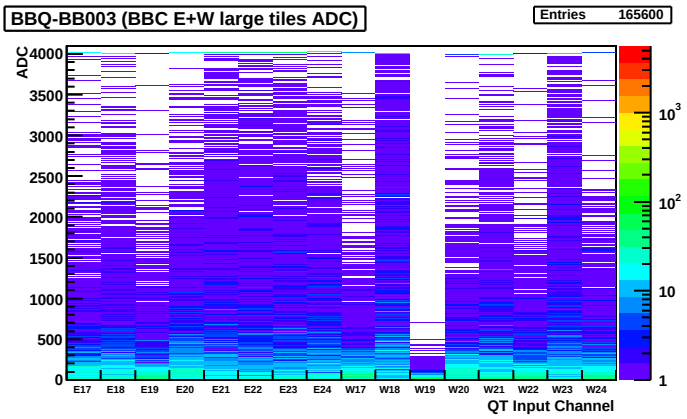

L1-TF201
Entries 62100
Threshold bits
1
0
5466
5381
4592
4872
4367
4938
4884
4969
5758
5478
5983
5412
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

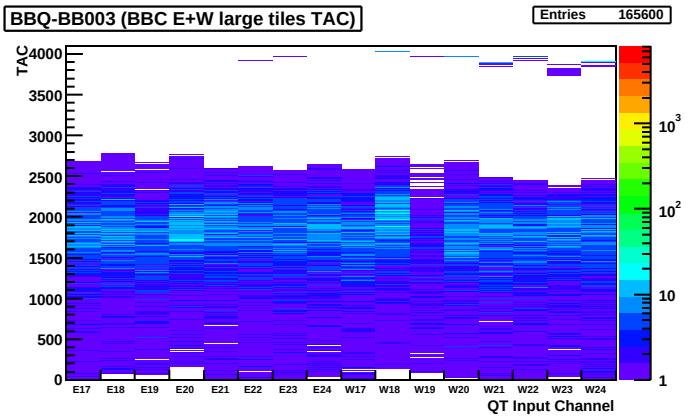

BBQ-BB001 (BBC east small tiles ADC)
Entries 165600
ADC
QT Input Channel

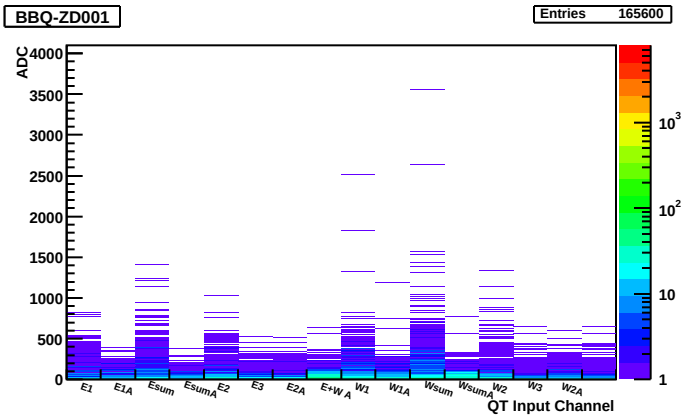

BBQ-BB001 (BBC east small tiles TAC)
Entries 165600
TAC
QT Input Channel

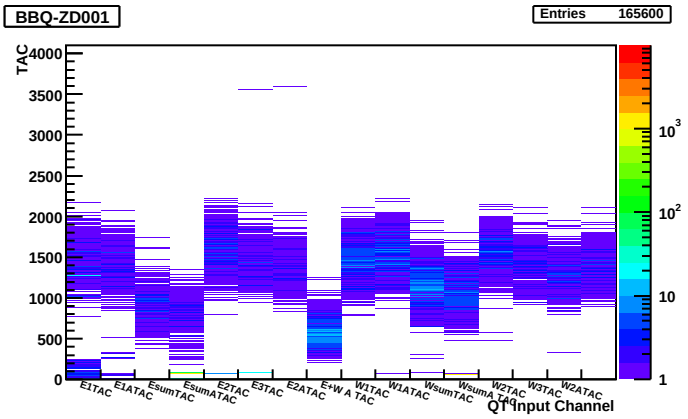

BBQ-BB002 (BBC west small tiles ADC)
Entries 165600
ADC
QT Input Channel

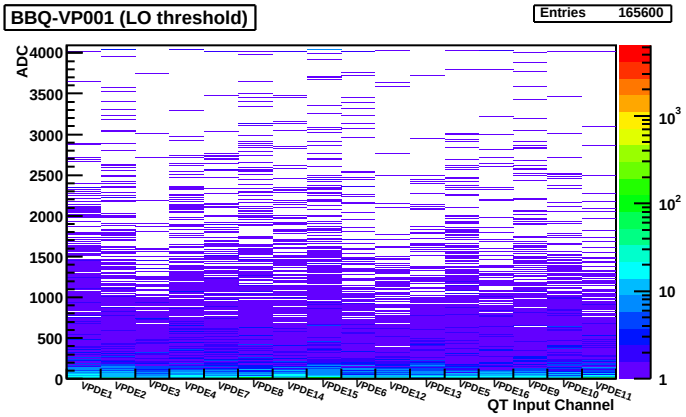

BBQ-BB002 (BBC west small tiles TAC)
Entries 165600
TAC
QT Input Channel

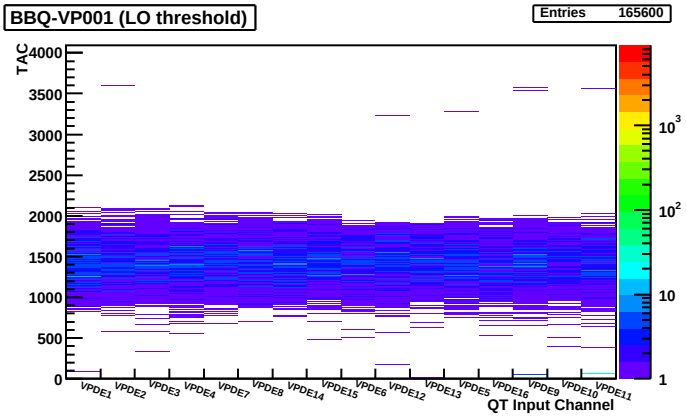

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 165600
ADC
QT Input Channel

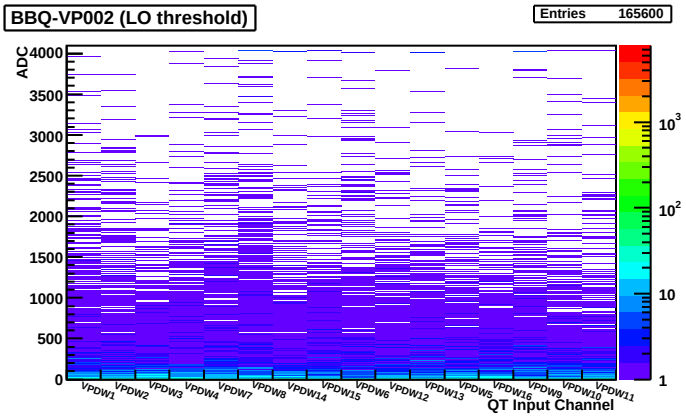

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 165600
TAC
QT Input Channel

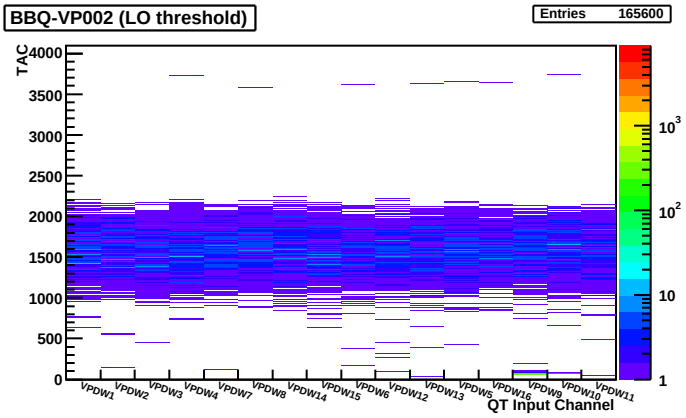

BBQ-ZD001
Entries 165600
ADC
QT Input Channel

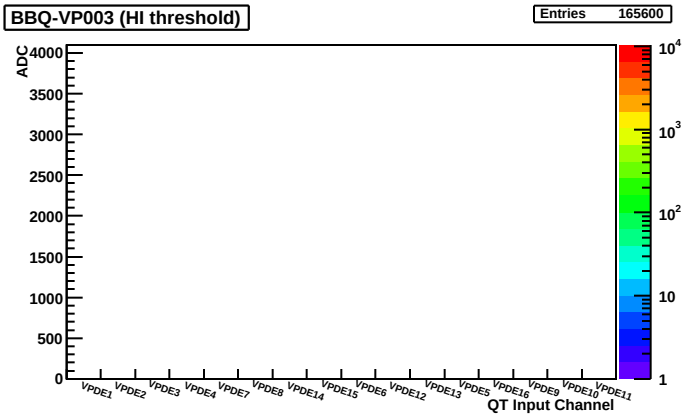

BBQ-ZD001
Entries 165600
TAC
QT Input Channel

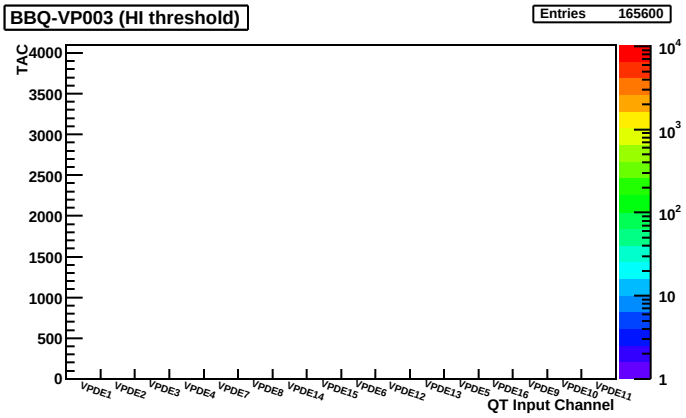

BBQ-VP001 (LO threshold)
Entries 165600
ADC
QT Input Channel

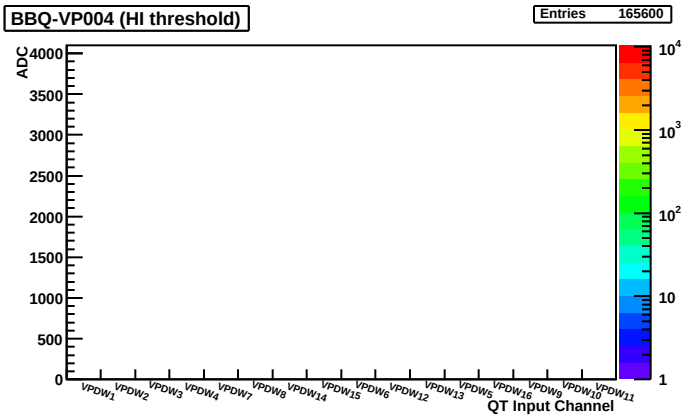

BBQ-VP001 (LO threshold)
Entries 165600
TAC
QT Input Channel

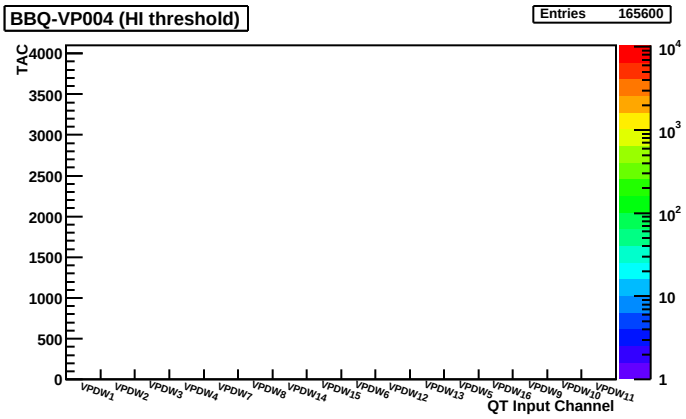

BBQ-VP002 (LO threshold)
Entries 165600
ADC
QT Input Channel

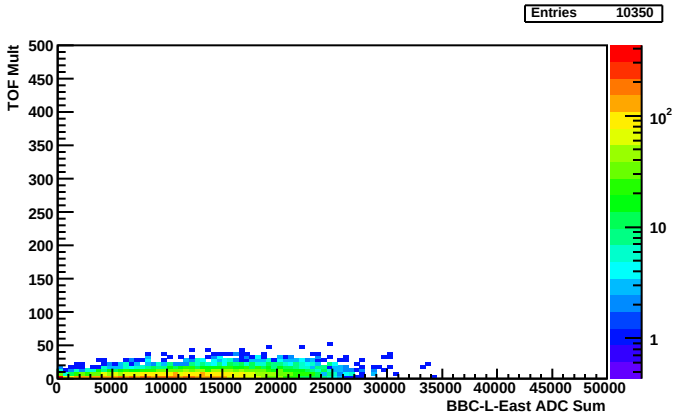

BBQ-VP002 (LO threshold)
Entries 165600
TAC
QT Input Channel

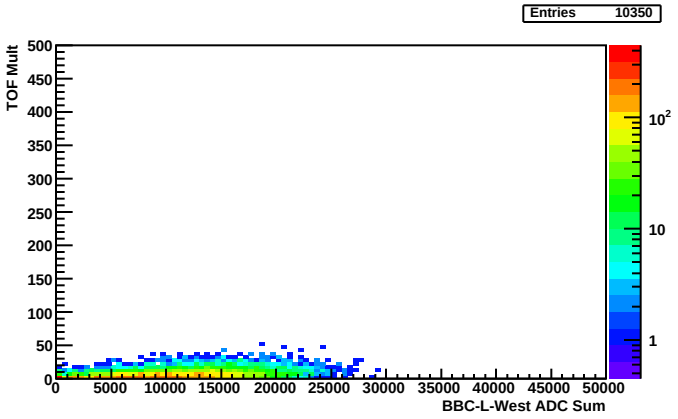

BBQ-VP003 (HI threshold)
Entries 165600
ADC
QT Input Channel

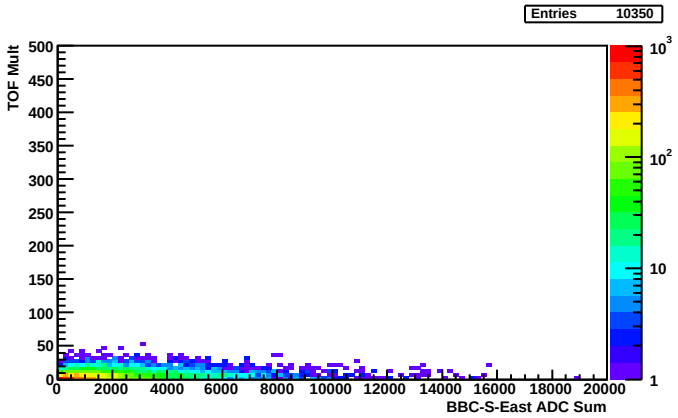

BBQ-VP003 (HI threshold)
Entries 165600
TAC
QT Input Channel

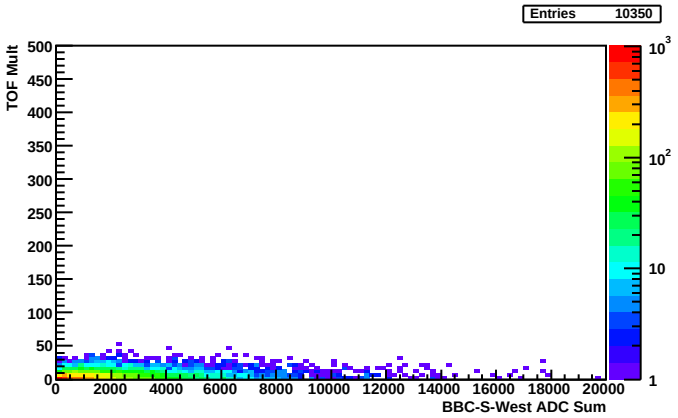

BBQ-VP004 (HI threshold)
Entries 165600
ADC
QT Input Channel

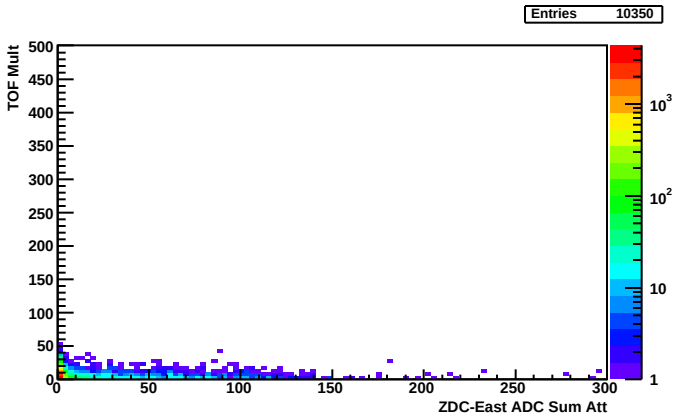

BBQ-VP004 (HI threshold)
Entries 165600
TAC
QT Input Channel

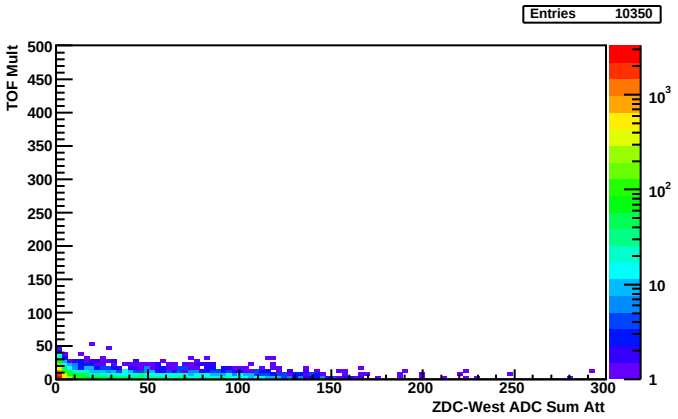

Entries 10350
TOF Mult
BBC-L-East ADC Sum

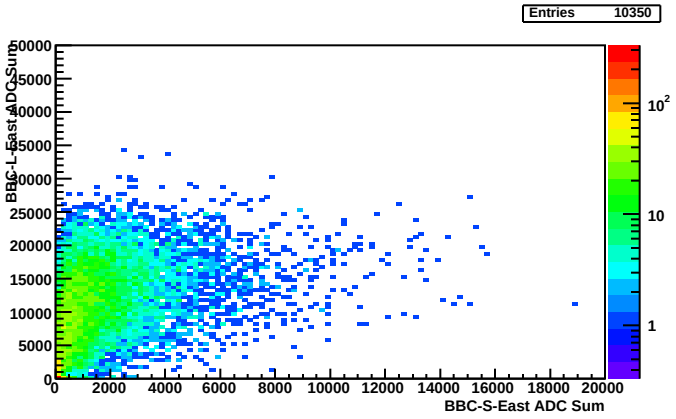

Entries 10350
TOF Mult
BBC-L-West ADC Sum

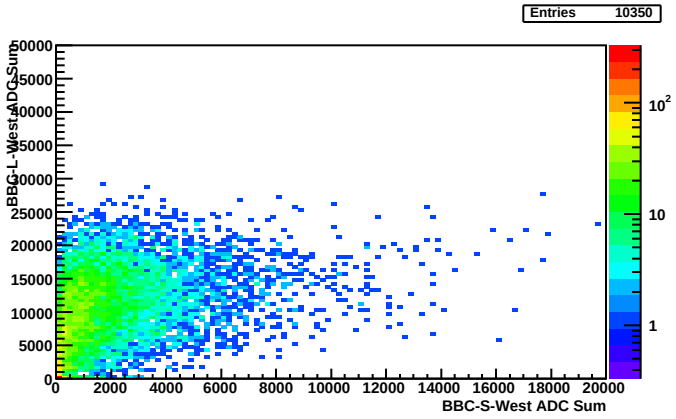

Entries 10350
TOF Mult
BBC-S-East ADC Sum

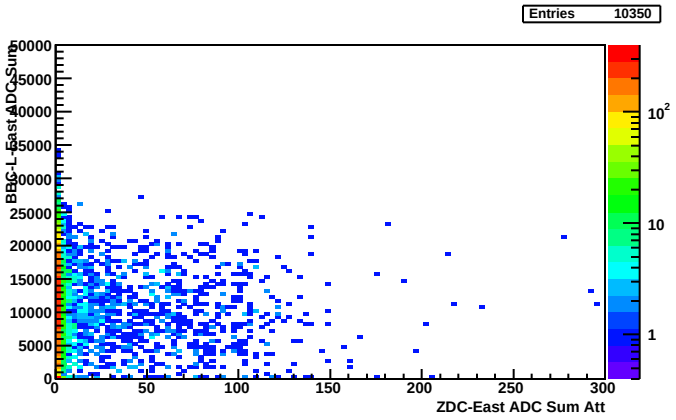

Entries 10350
TOF Mult
BBC-S-West ADC Sum

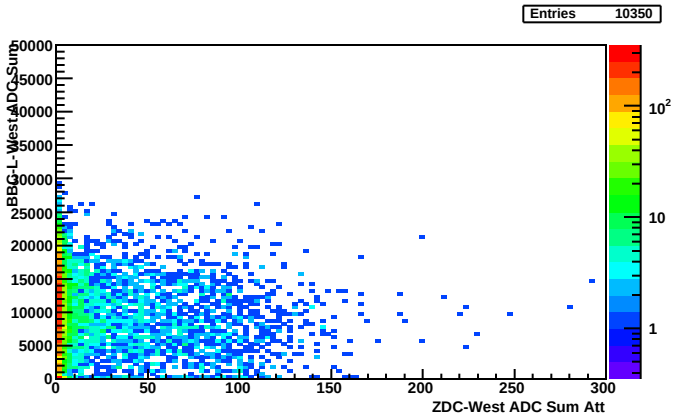

Entries 10350
TOF Mult
ZDC-East ADC Sum Att

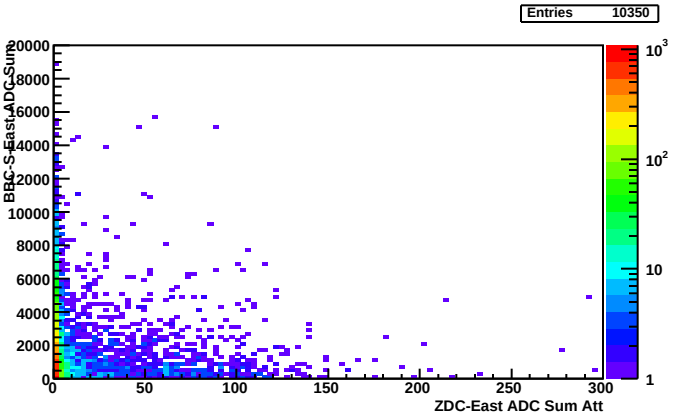

Entries 10350
TOF Mult
ZDC-West ADC Sum Att

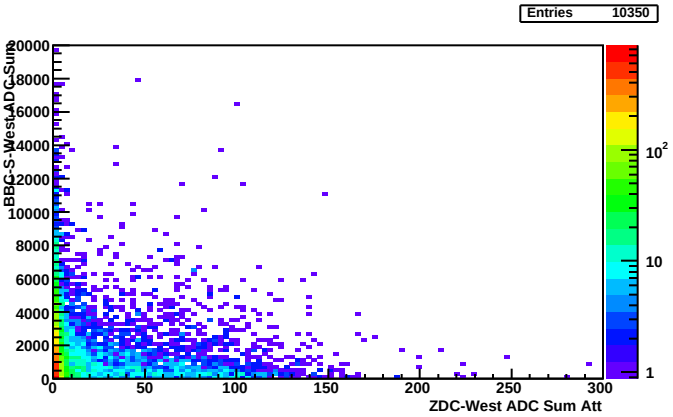

Entries 10350
BBC-L-East ADC Sum
BBC-S-East ADC Sum

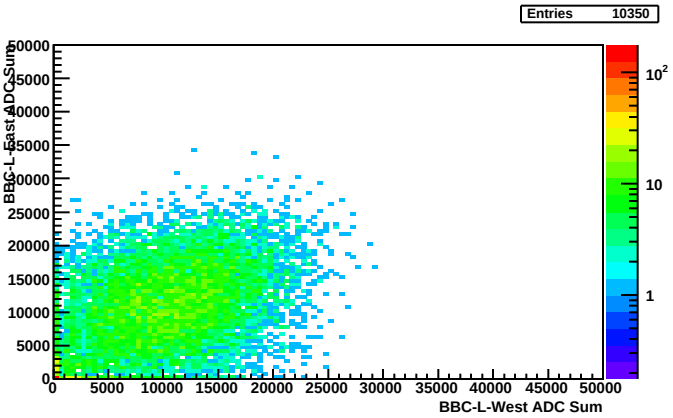

Entries 10350
BBC-L-West ADC Sum
BBC-S-West ADC Sum

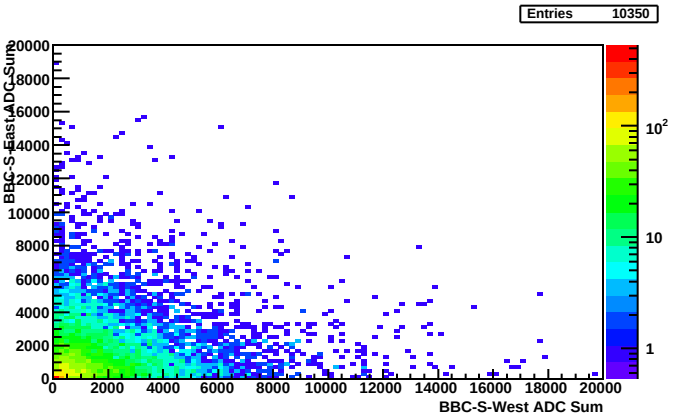

Entries 10350
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

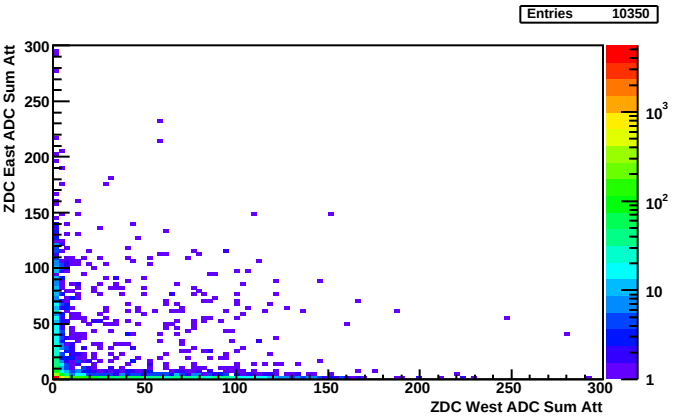

Entries 10350
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

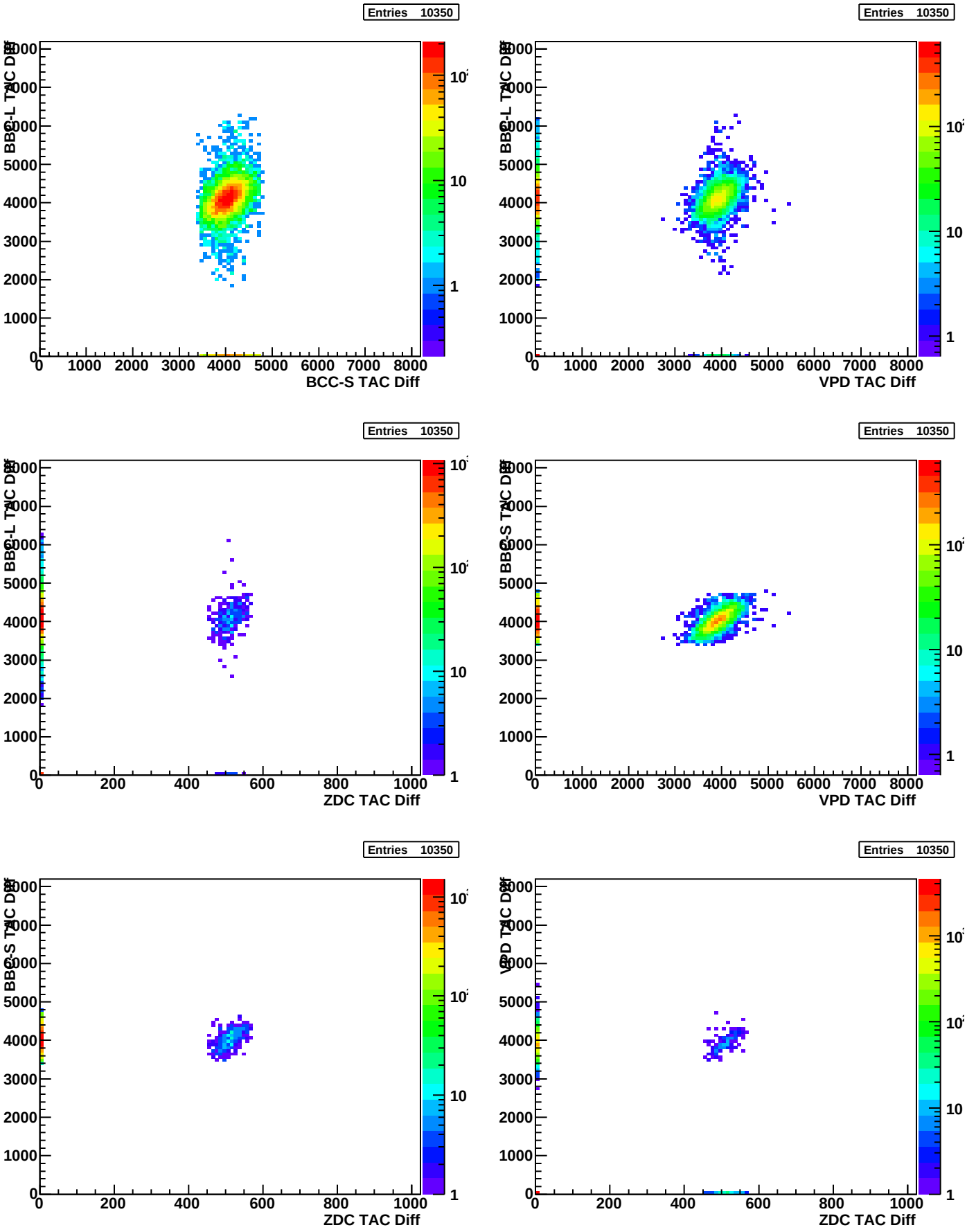

Entries 10350
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

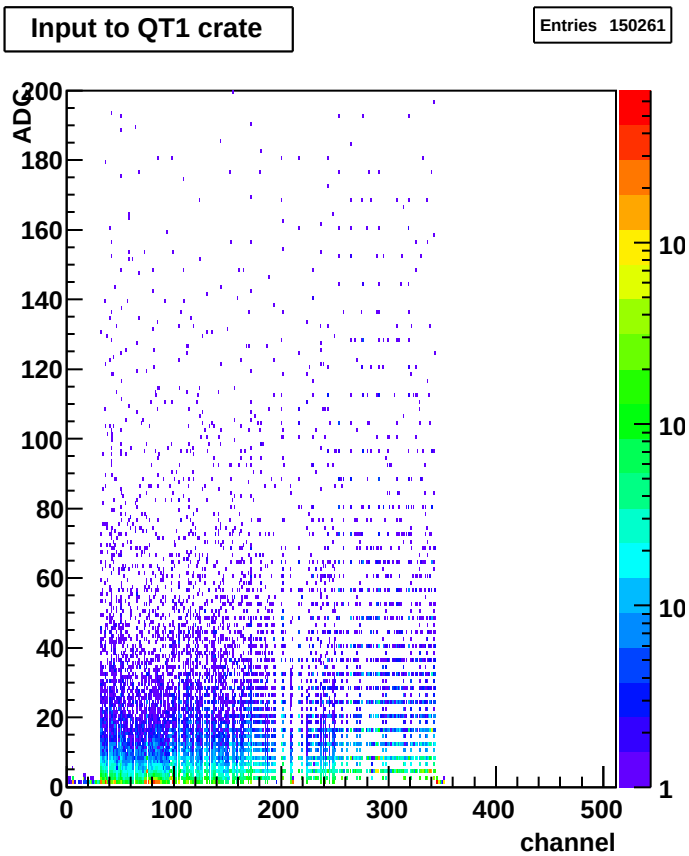

Entries 10350
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

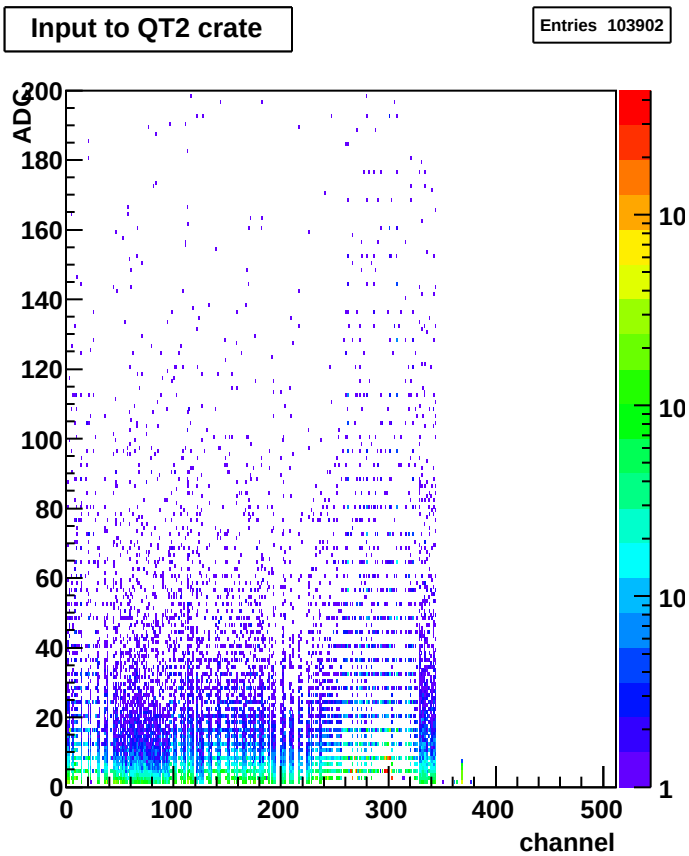

Entries 10350
BBC-L-East ADC Sum
BBC-L-West ADC Sum

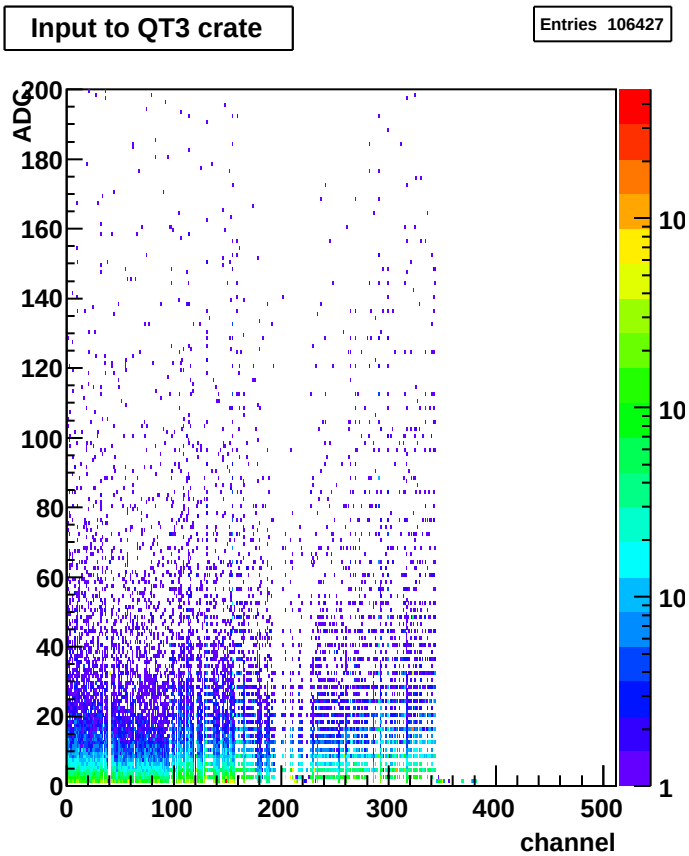

Entries 10350
BBC-S-East ADC Sum
BBC-S-West ADC Sum

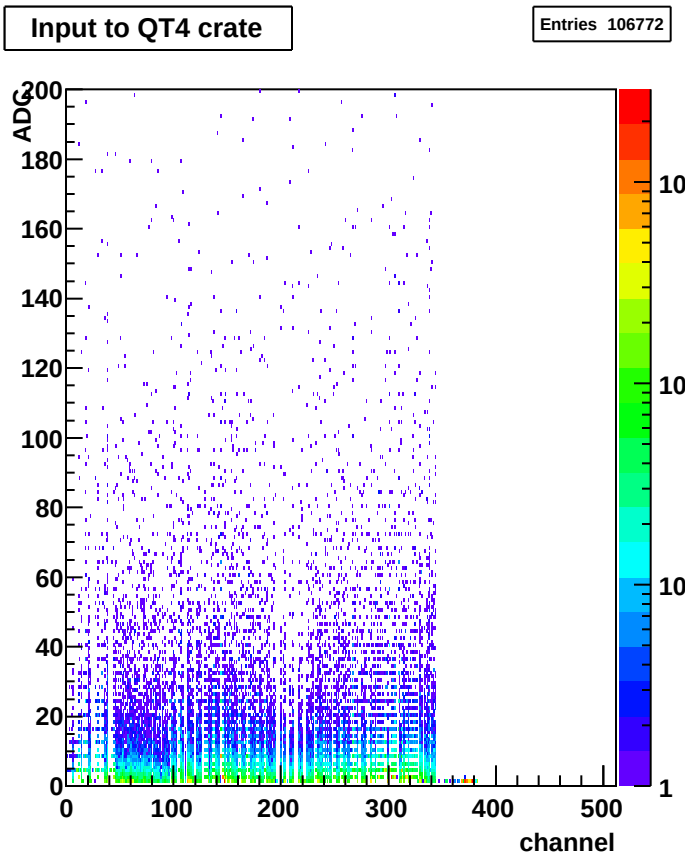

Entries 10350
ZDC East ADC Sum Att
ZDC West ADC Sum Att

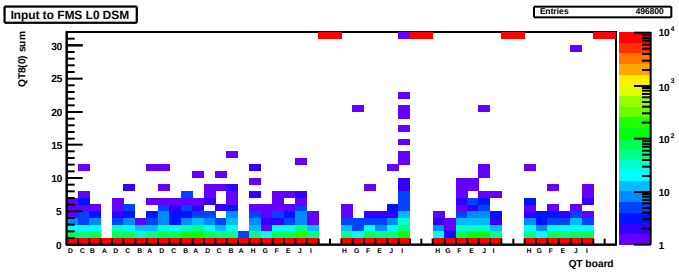

Entries 10350
BBC-L TAC Diff
BCC-S TAC Diff
Entries 10350
BBC-L TAC Diff
VPD TAC Diff
Entries 10350
BBC-L TAC Diff
ZDC TAC Diff
Entries 10350
BBC-S TAC Diff
VPD TAC Diff
Entries 10350
BBC-S TAC Diff
ZDC TAC Diff
Entries 10350
VPD TAC Diff
ZDC TAC Diff

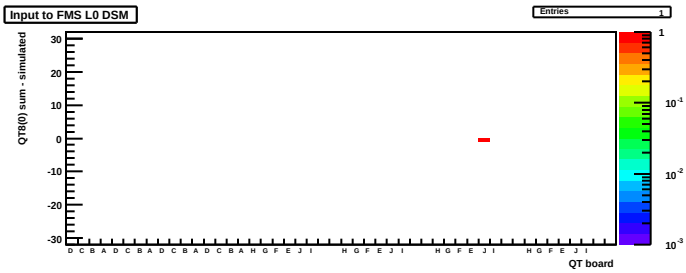

Input to QT1 crate
Entries 150261
ADC
channel

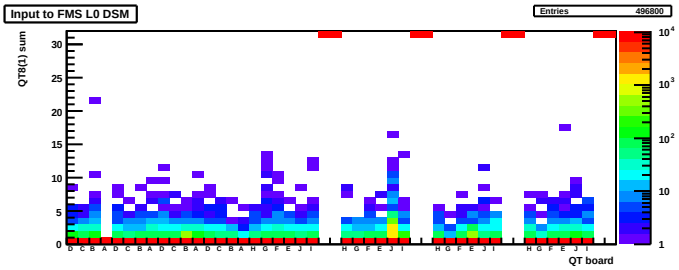

Input to QT2 crate
Entries 103902
ADC
channel

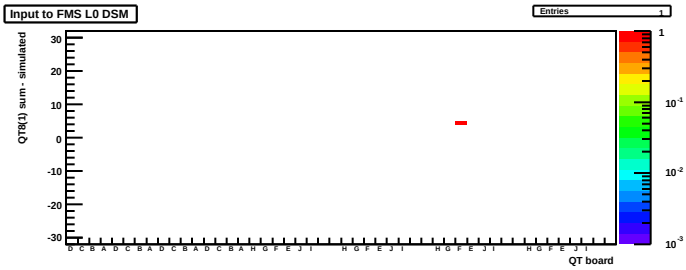

Input to QT3 crate
Entries 106427
ADC
channel

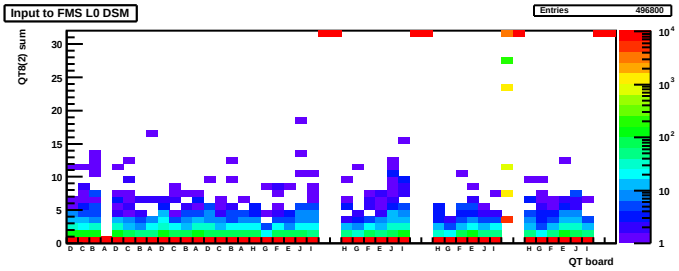

Input to QT4 crate
Entries 106772
ADC
channel

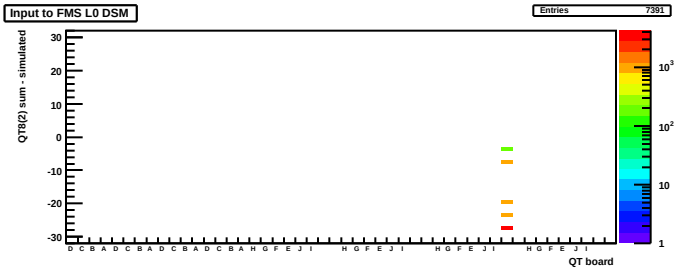

Input to FMS L0 DSM
Entries 496800
QT8(0) sum
QT board

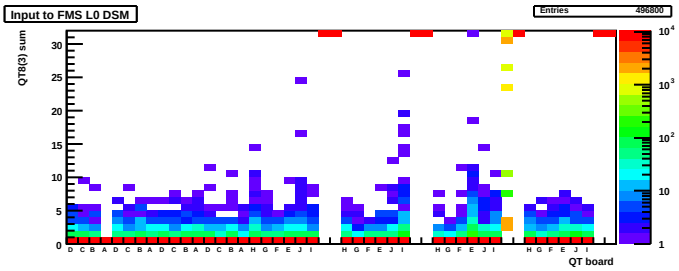

Input to FMS L0 DSM
Entries 1
QT8(0) sum - simulated
QT board

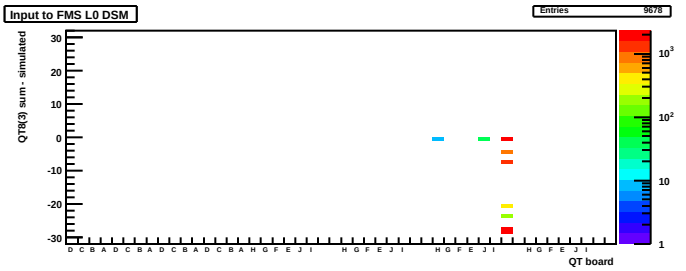

Input to FMS L0 DSM
Entries 496800
QT8(1) sum
QT board

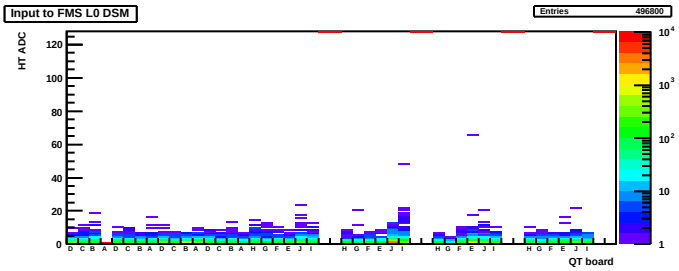

Input to FMS L0 DSM
Entries 1
QT8(1) sum - simulated
QT board

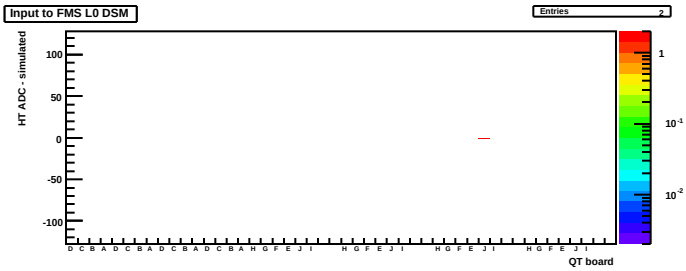

Input to FMS L0 DSM
Entries 496800
QT8(2) sum
QT board

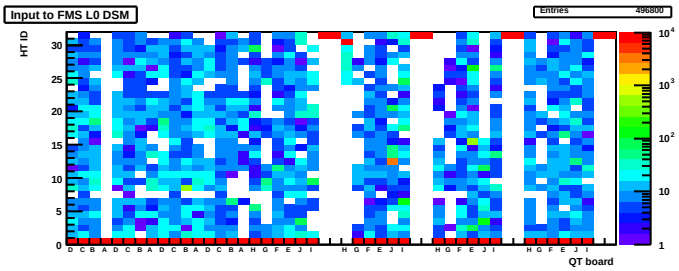

Input to FMS L0 DSM
Entries 7391
QT8(2) sum - simulated
QT board

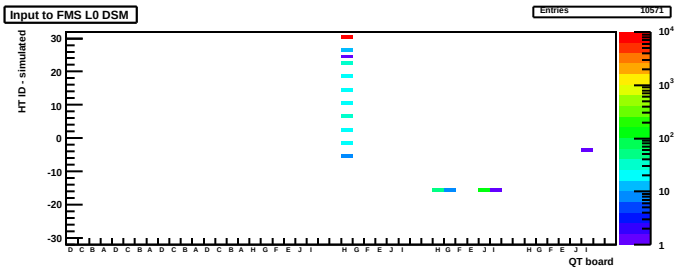

Input to FMS L0 DSM
Entries 496800
QT8(3) sum
QT board

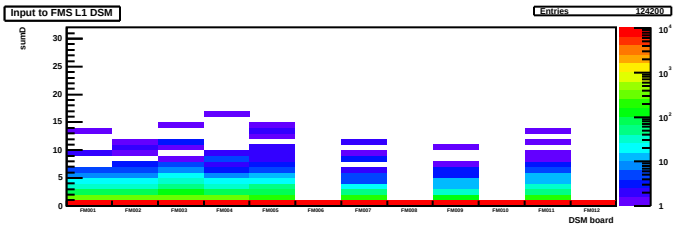

Input to FMS L0 DSM
Entries 9678
QT8(3) sum - simulated
QT board

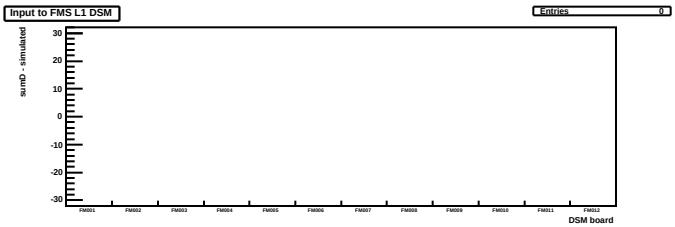

Input to FMS L0 DSM
Entries 496800
HT ADC
QT board

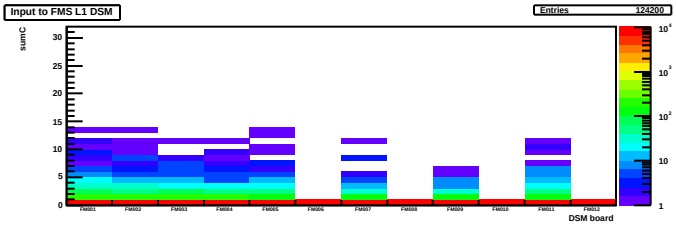

Input to FMS L0 DSM
Entries 2
HT ADC - simulated
QT board

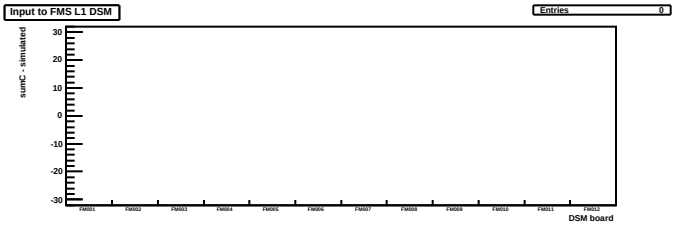

Input to FMS L0 DSM
Entries 496800
HT ID
QT board

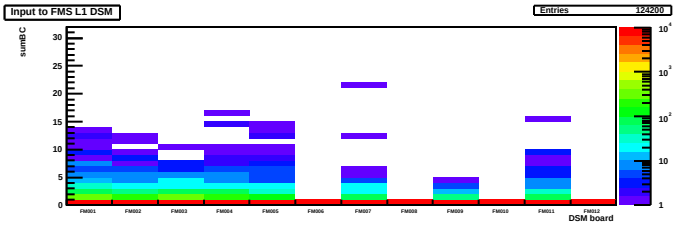

Input to FMS L0 DSM
Entries 10571
HT ID - simulated
QT board

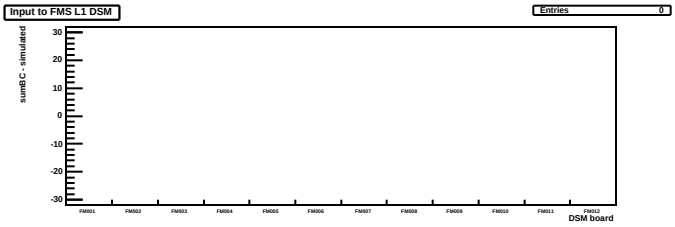

Input to FMS L1 DSM
Entries 124200
sumD
DSM board

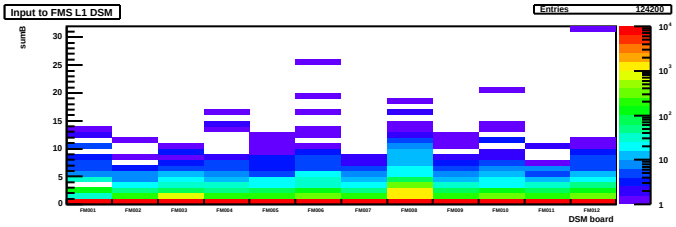

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

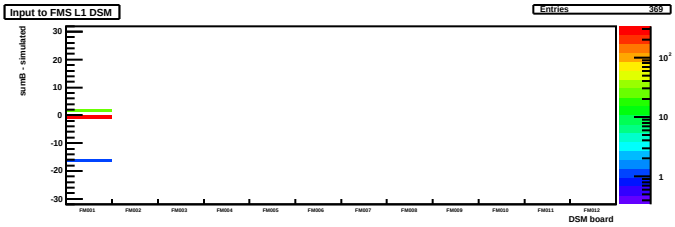

Input to FMS L1 DSM
Entries 124200
sumC
DSM board

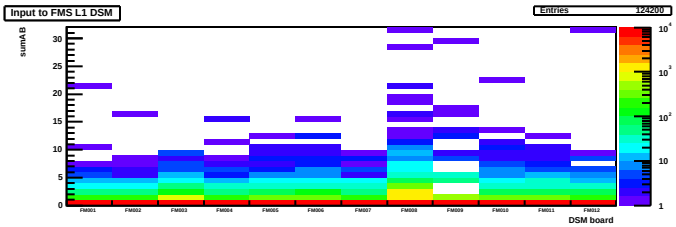

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

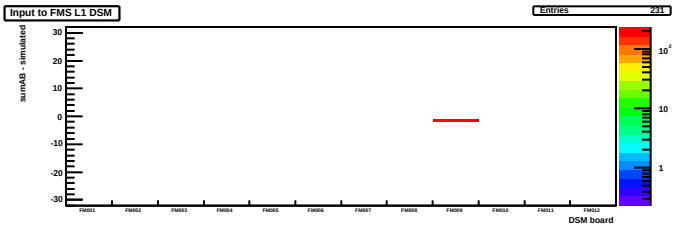

Input to FMS L1 DSM
Entries 124200
sumBC
DSM board

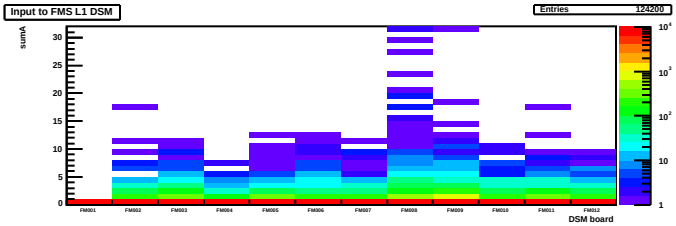

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

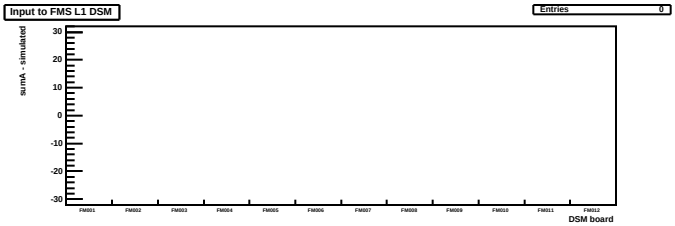

Input to FMS L1 DSM
Entries 124200
sumB
DSM board

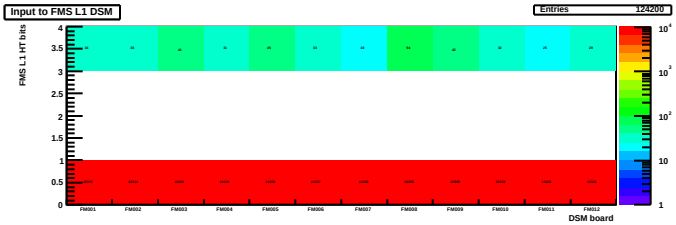

Input to FMS L1 DSM
Entries 369
sumB - simulated
DSM board

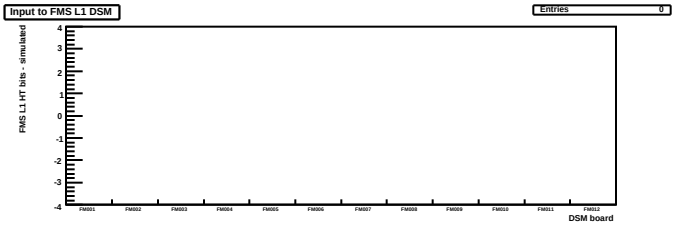

Input to FMS L1 DSM
Entries 124200
sumAB
DSM board

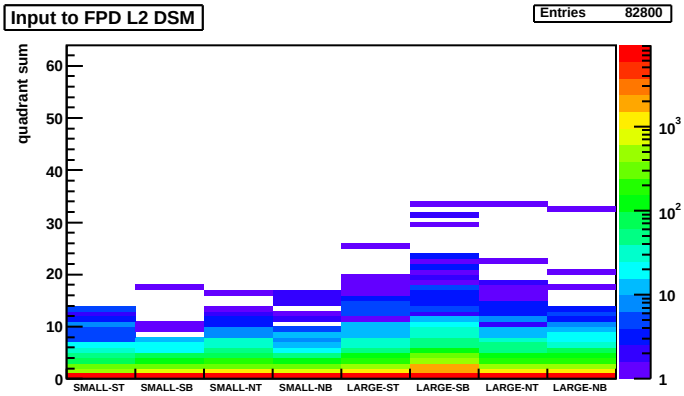

Input to FMS L1 DSM
Entries 231
sumAB - simulated
DSM board

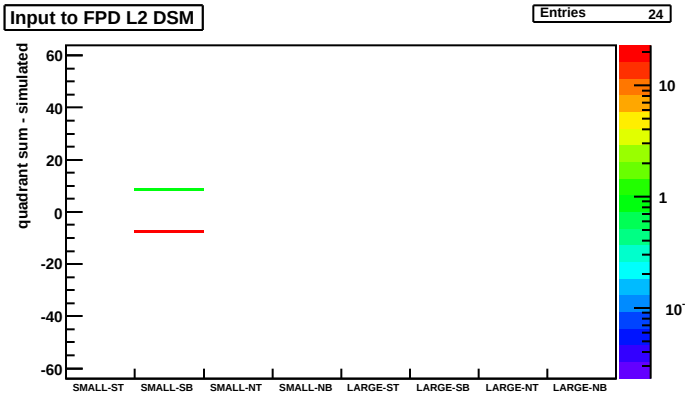

Input to FMS L1 DSM
Entries 124200
sumA
DSM board

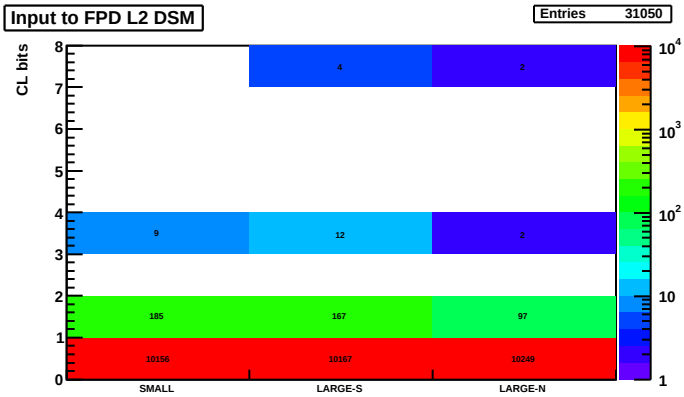

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

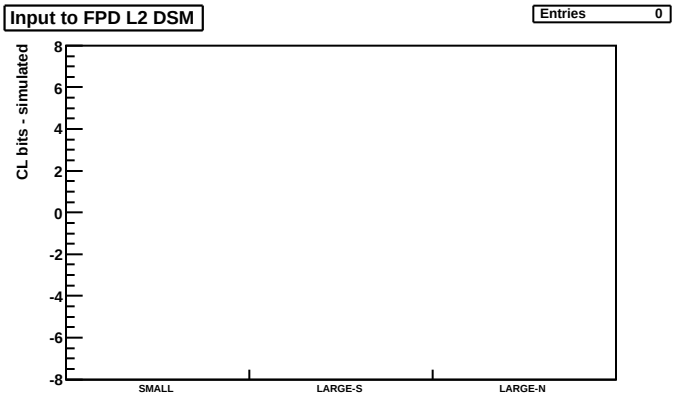

Input to FMS L1 DSM
Entries 124200
FMS L1 HT bits
DSM board

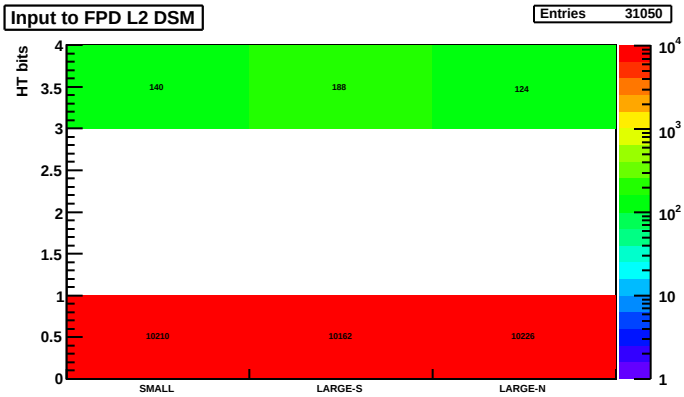

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

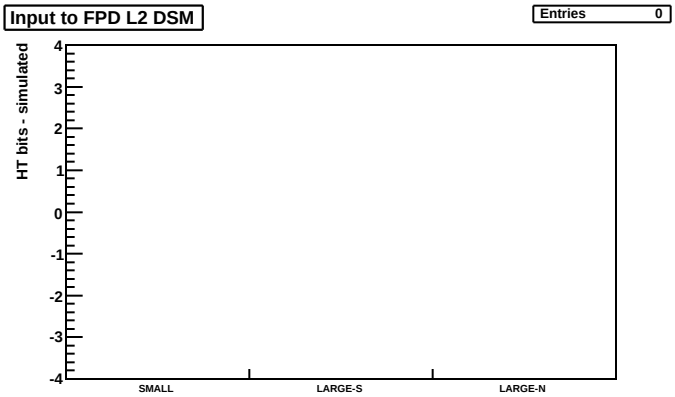

Input to FPD L2 DSM
Entries 82800
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

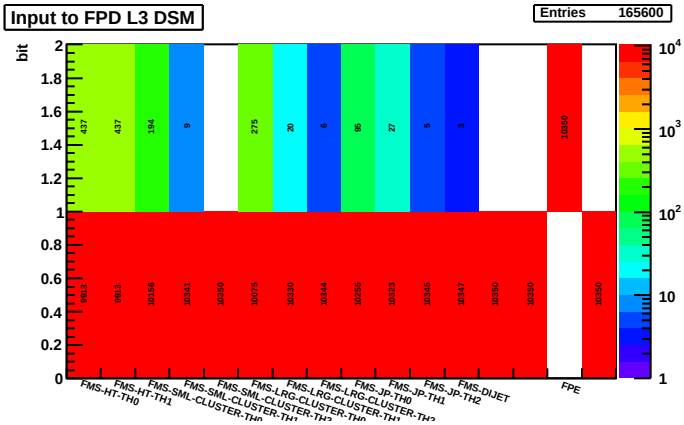

Input to FPD L2 DSM
Entries 24
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

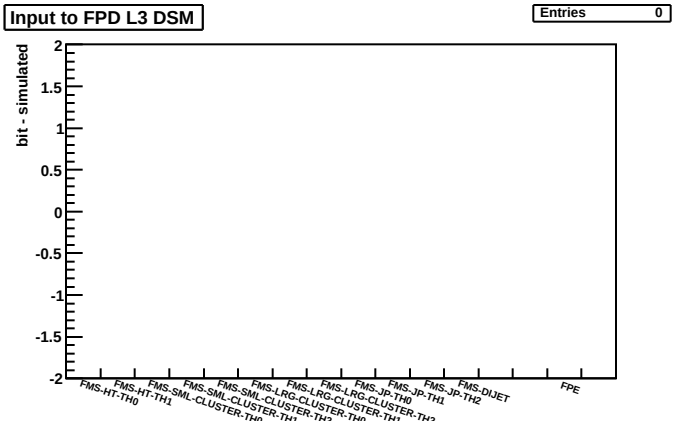

Input to FPD L2 DSM
Entries 31050
CL bits
4
2
9
12
2
185
167
97
10156
10167
10249
SMALL
LARGE-S
LARGE-N

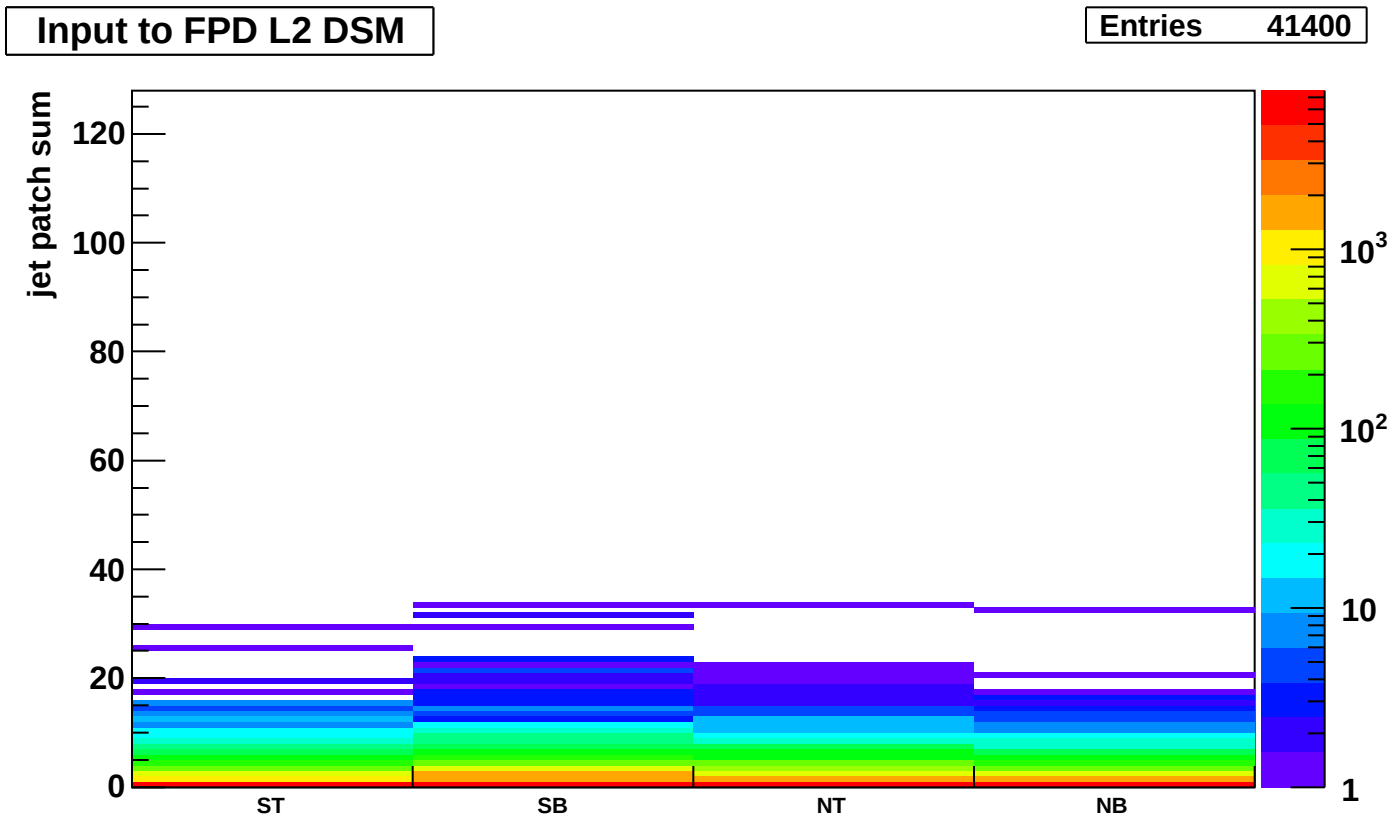

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

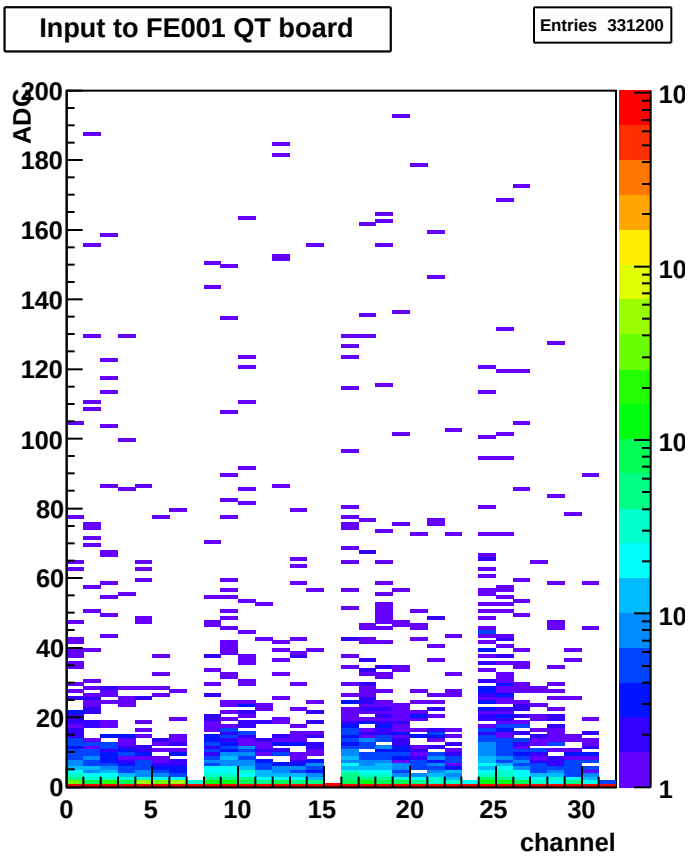

Input to FPD L2 DSM
Entries 31050
HT bits
140
188
124
10210
10162
10226
SMALL
LARGE-S
LARGE-N

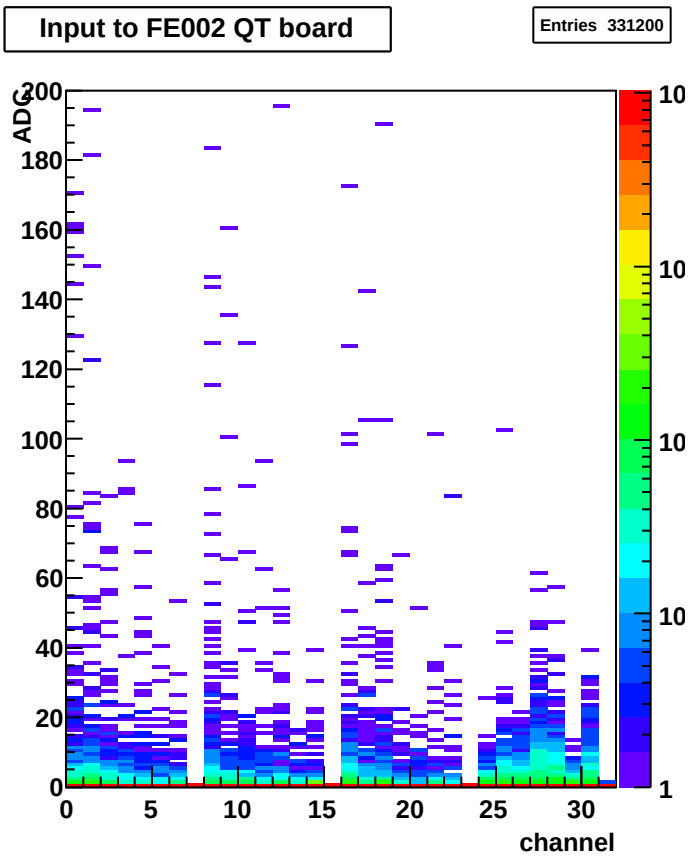

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

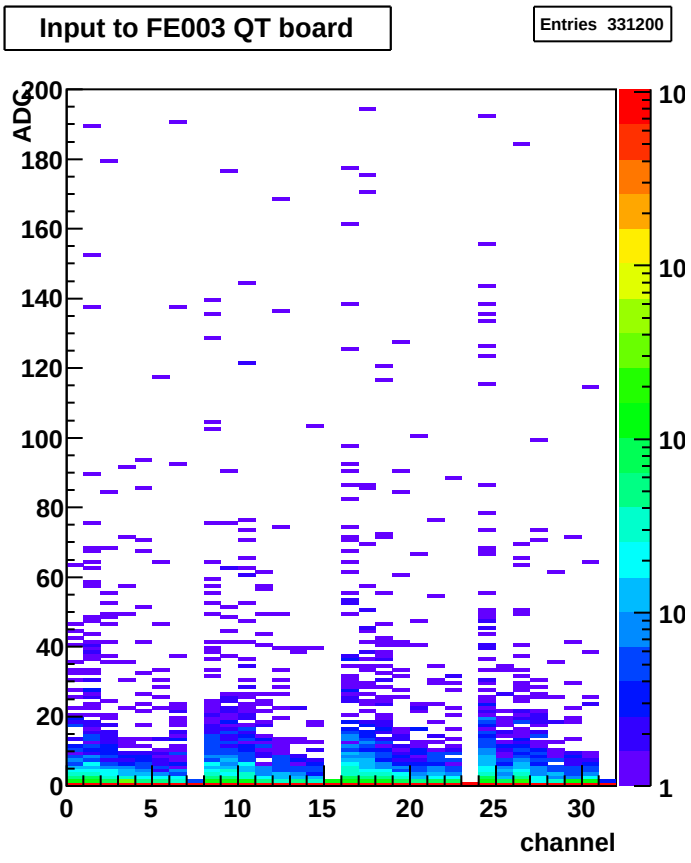

Input to FPD L3 DSM
Entries 165600
bit
437
437
194
9
275
20
6
95
27
5
3
10350
9913
9913
10156
10341
10350
10075
10330
10344
10255
10323
10345
10347
10350
10350
10350
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

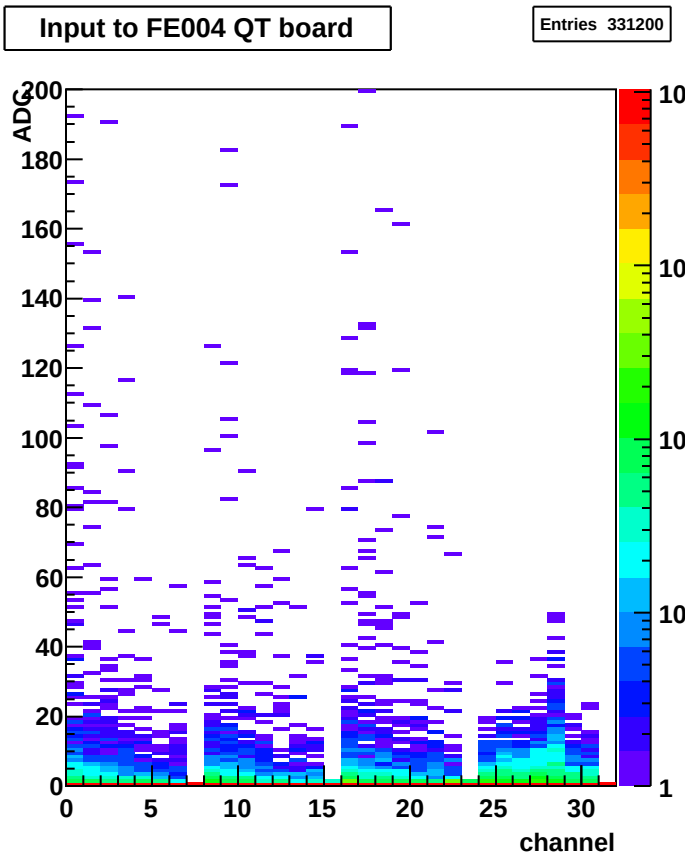

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

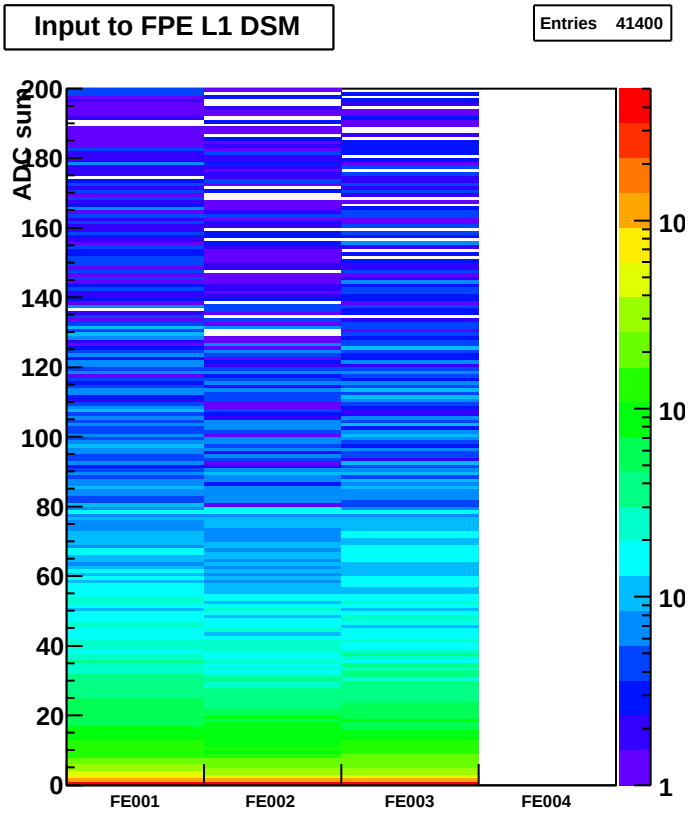

Input to FPD L2 DSM
Entries 41400
jet patch sum
120
100
80
60
40
20
0
ST
SB
NT
NB
10^3
10^2
10
1

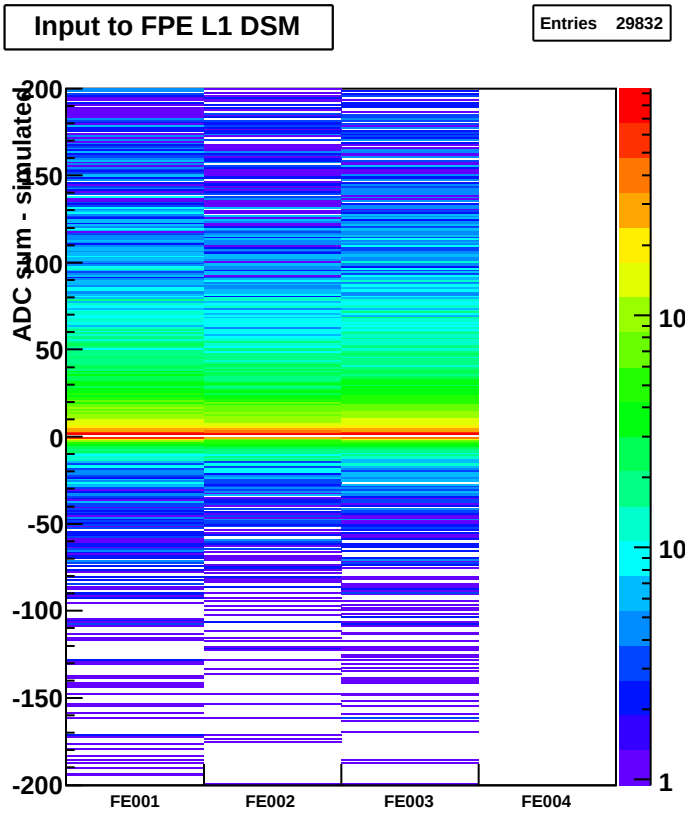

Input to FE001 QT board
Entries 331200
ADC
channel

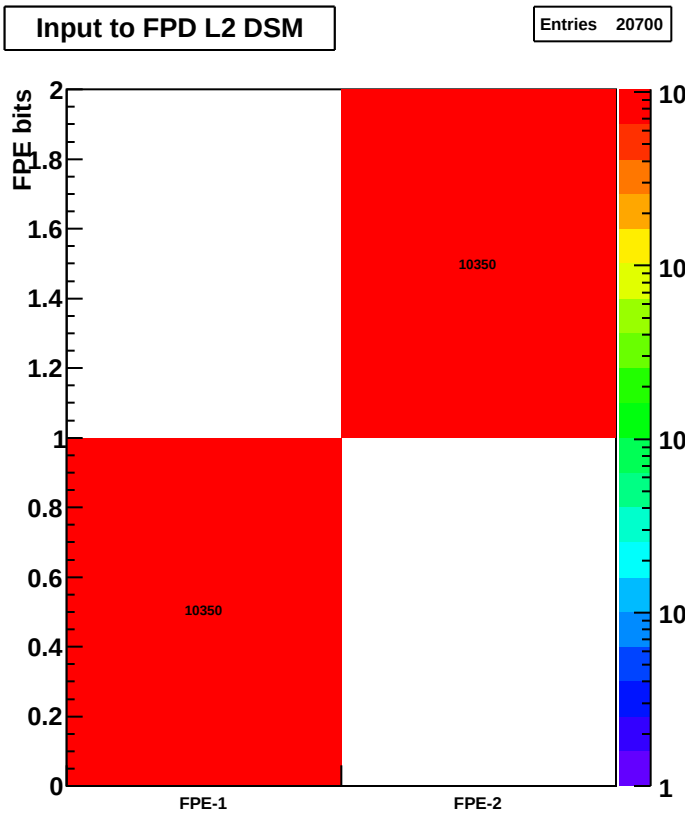

Input to FE002 QT board
Entries 331200
ADC
channel

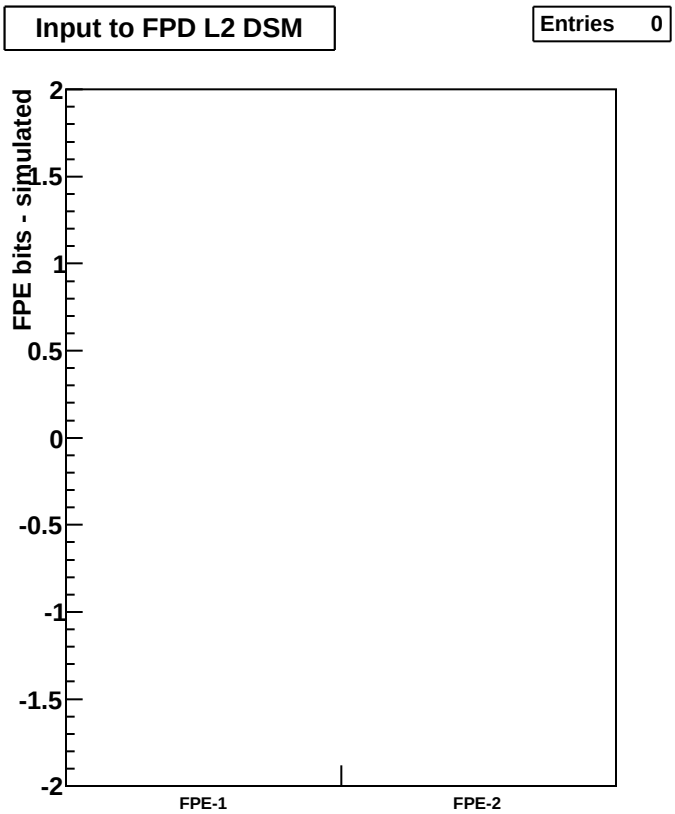

Input to FE003 QT board
Entries 331200
ADC
channel


Input to FE004 QT board
Entries 331200
ADC
channel


Input to FPE L1 DSM
Entries 41400
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 29832
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 20700
FPE bits
10350
10350
FPE-1
FPE-2


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