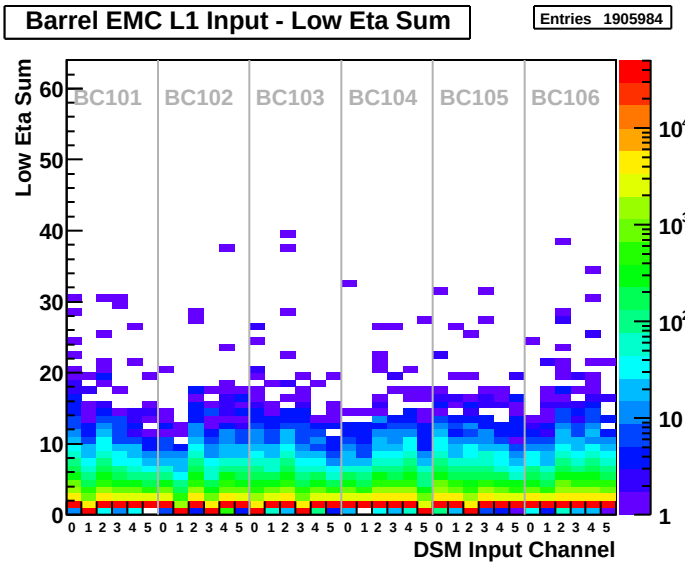
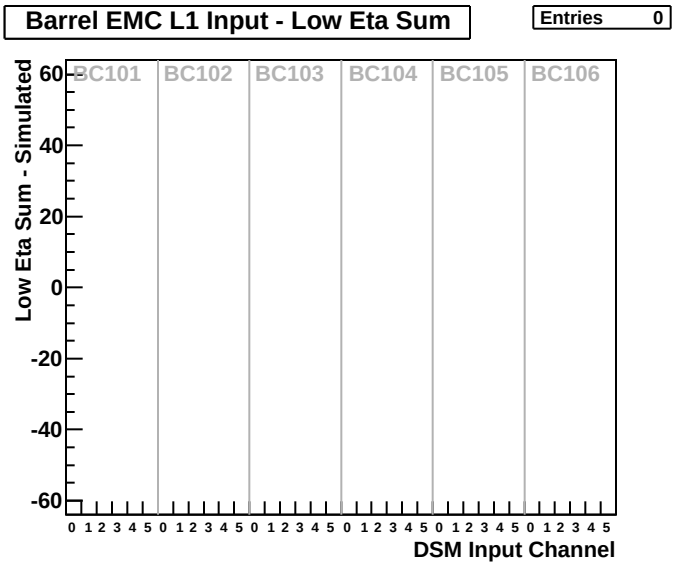
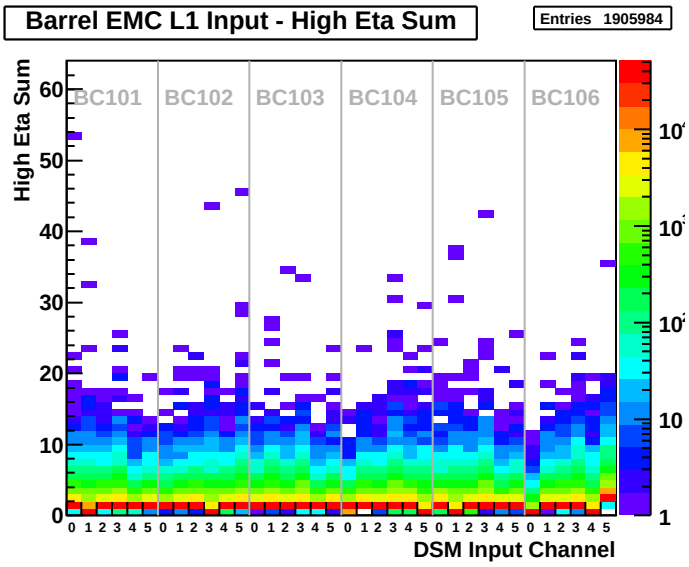
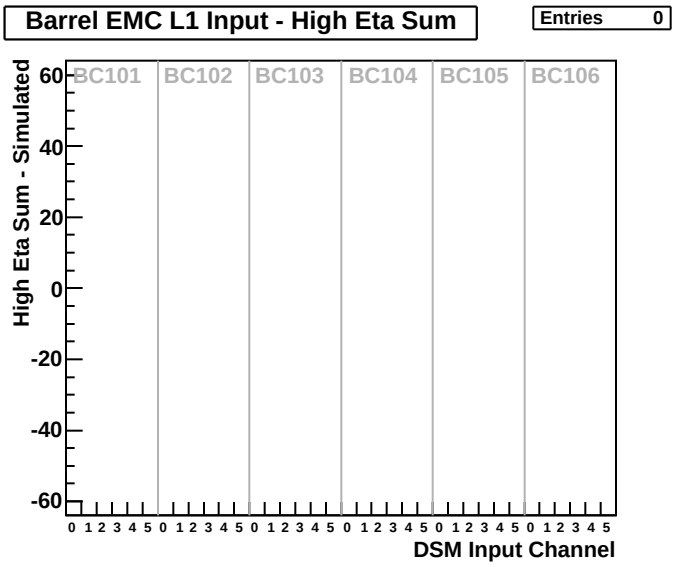
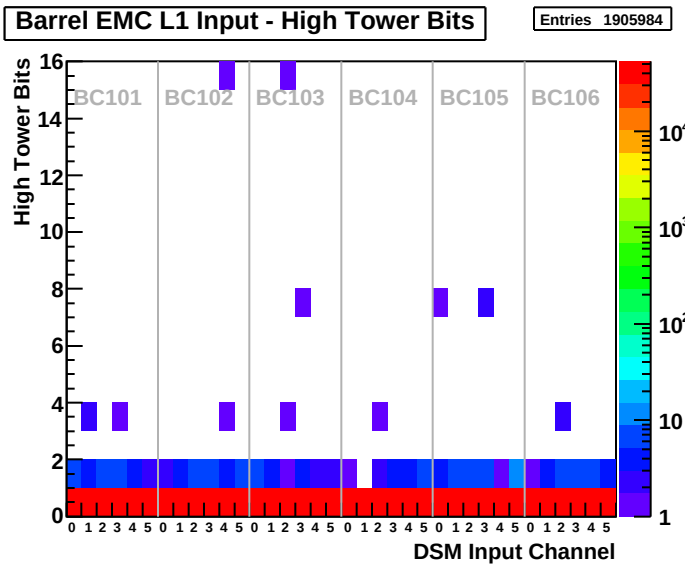
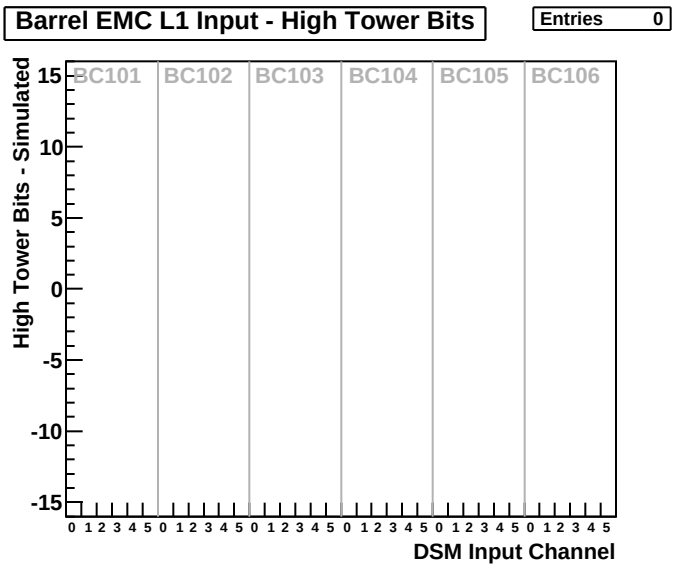

Barrel EMC L1 Input - Low Eta Sum
Entries 1905984
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

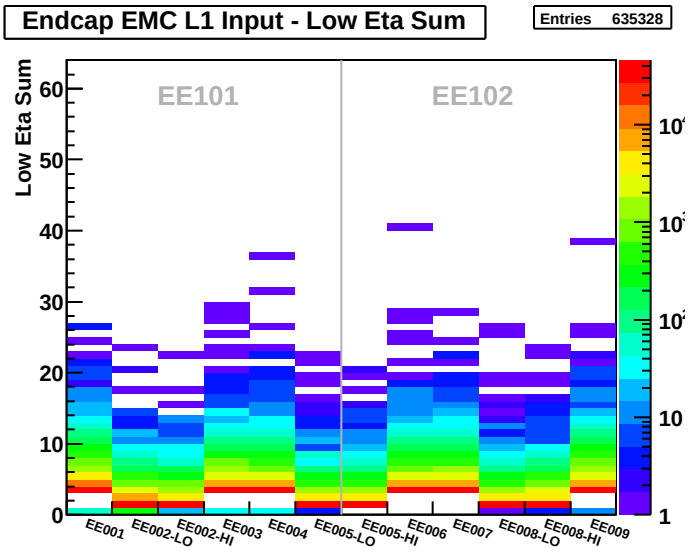

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

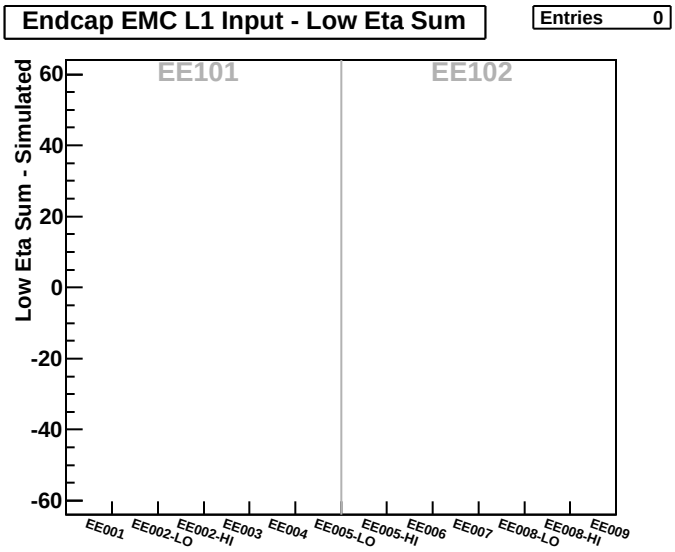

Barrel EMC L1 Input - High Eta Sum
Entries 1905984
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

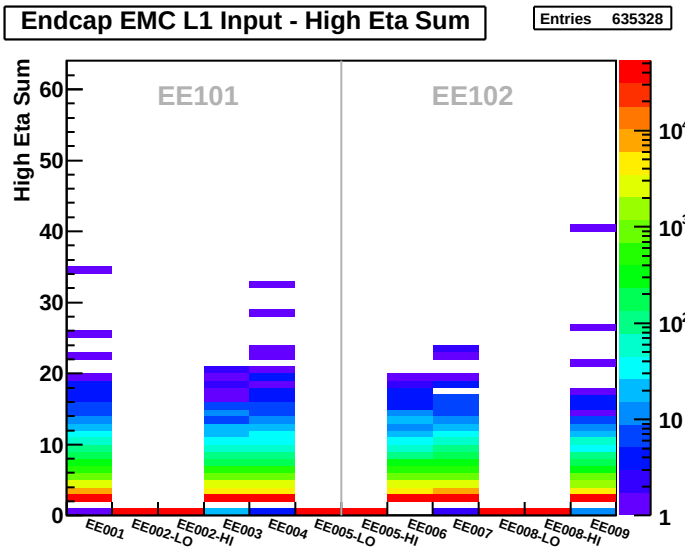

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

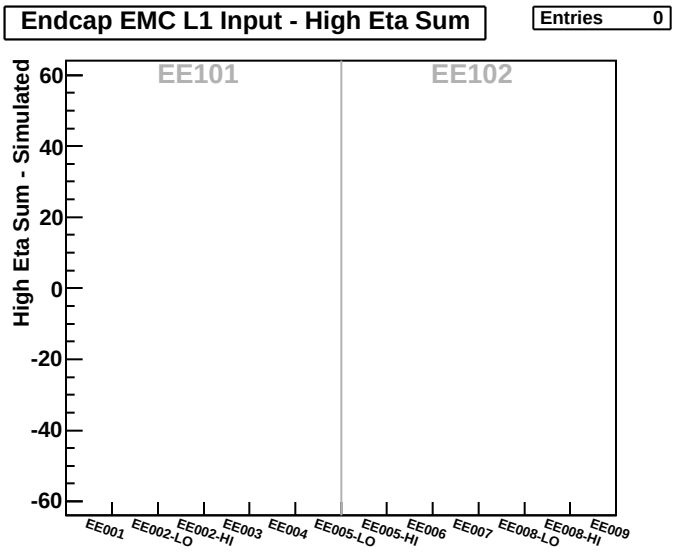

Barrel EMC L1 Input - High Tower Bits
Entries 1905984
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

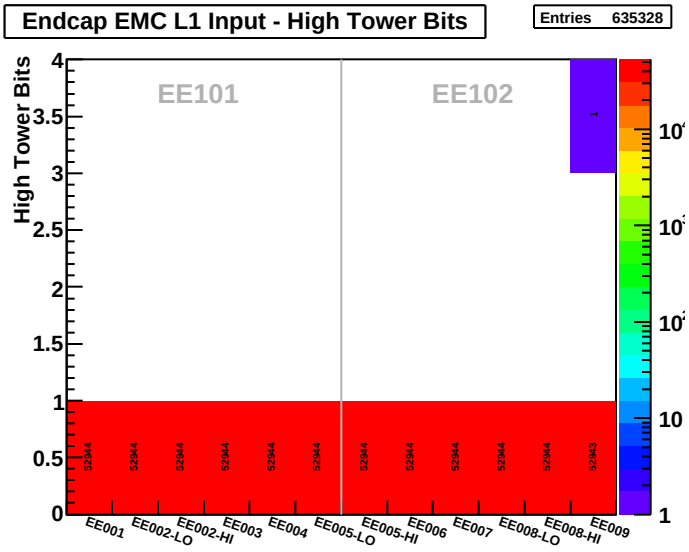

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

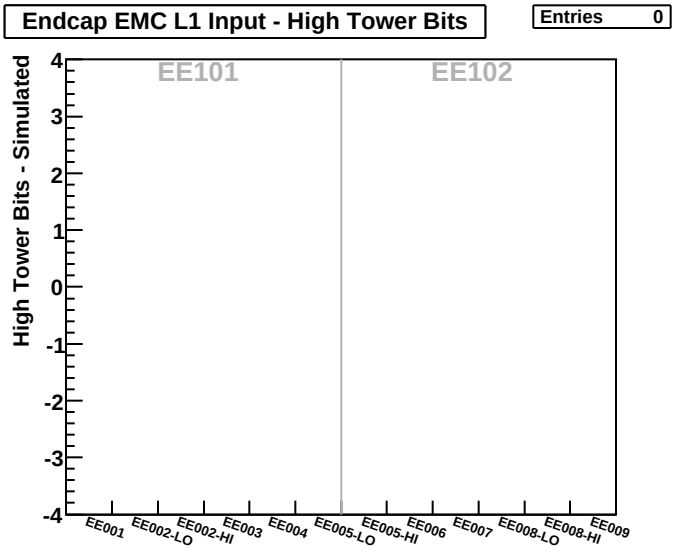

Endcap EMC L1 Input - Low Eta Sum
Entries 635328
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

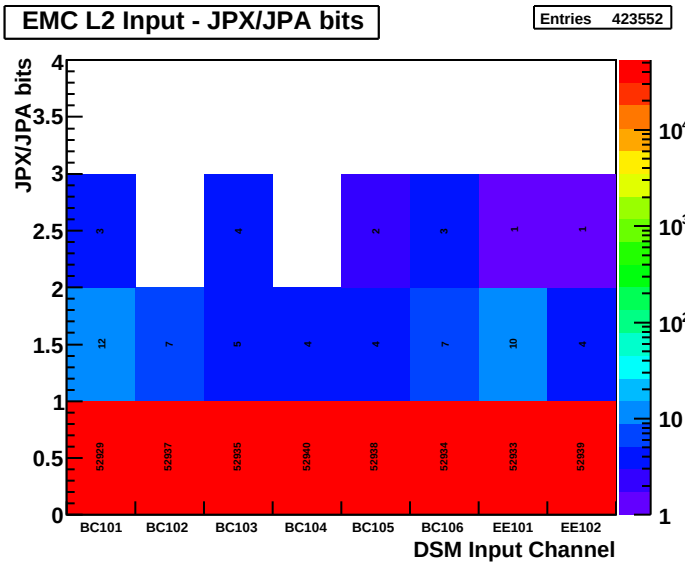

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

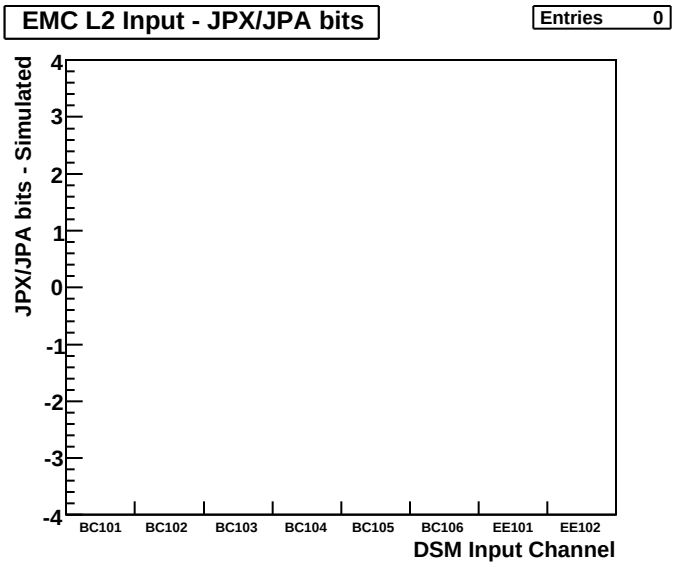

Endcap EMC L1 Input - High Eta Sum
Entries 635328
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

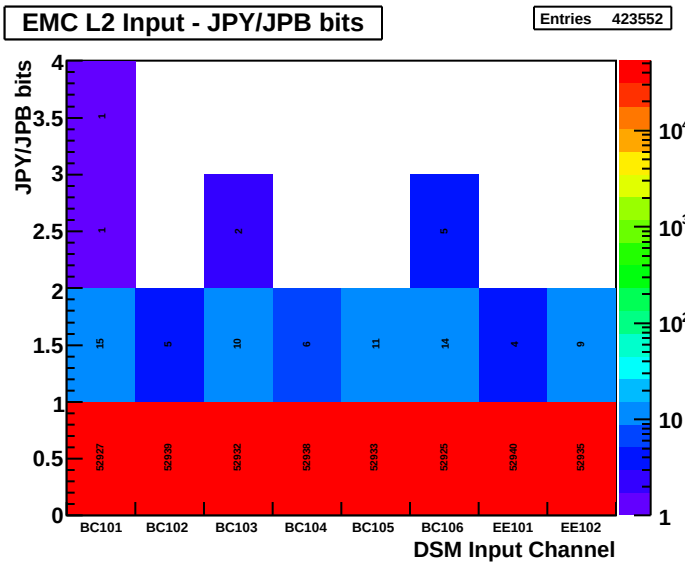

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

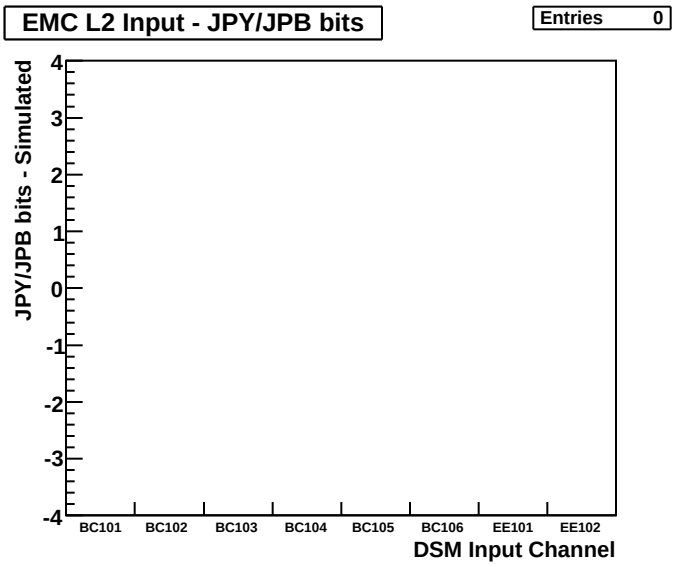

Endcap EMC L1 Input - High Tower Bits
Entries 635328
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

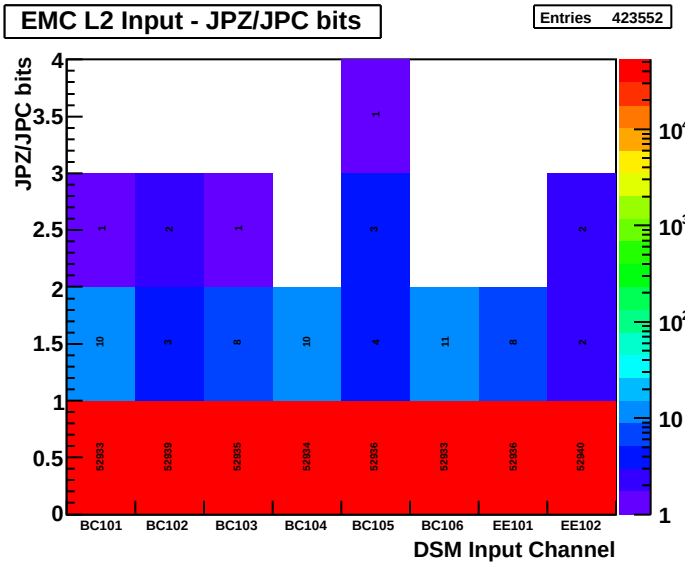

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

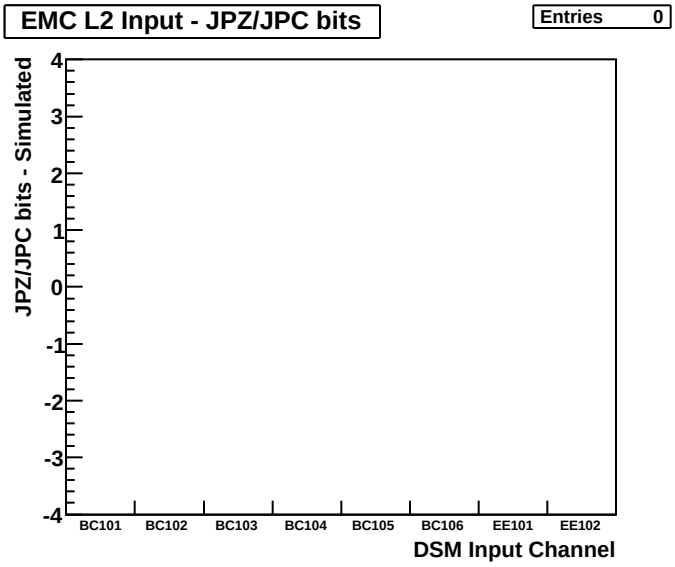

EMC L2 Input - JPX/JPA bits
Entries 423552
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

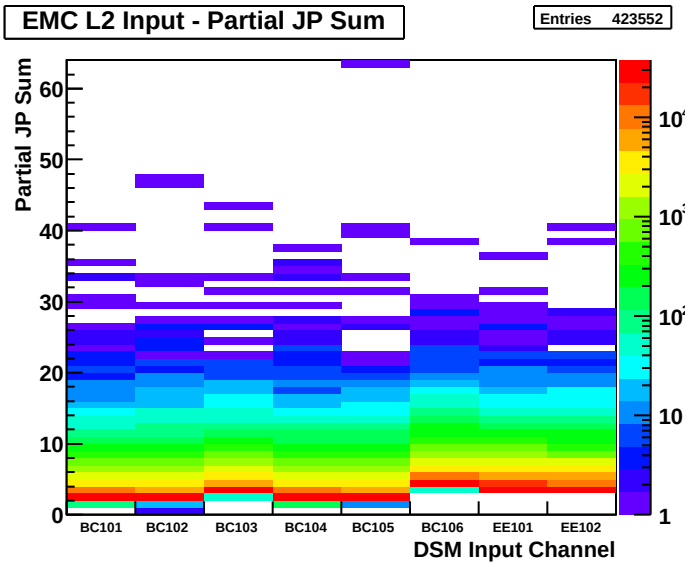

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

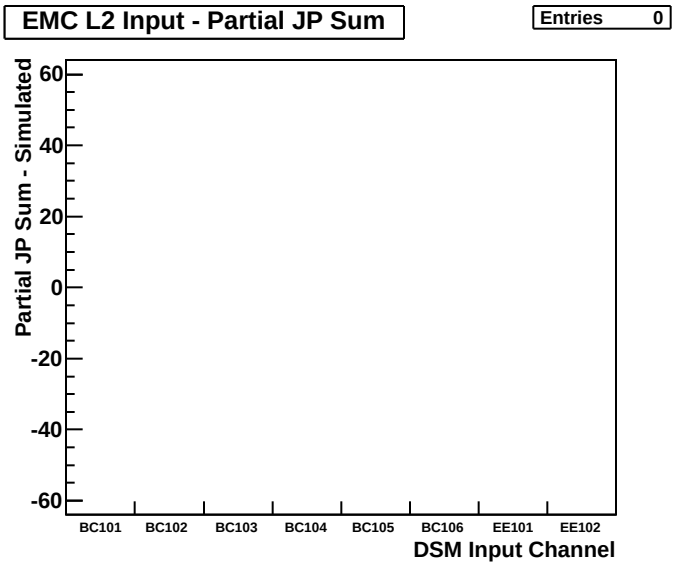

EMC L2 Input - JPY/JPB bits
Entries 423552
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

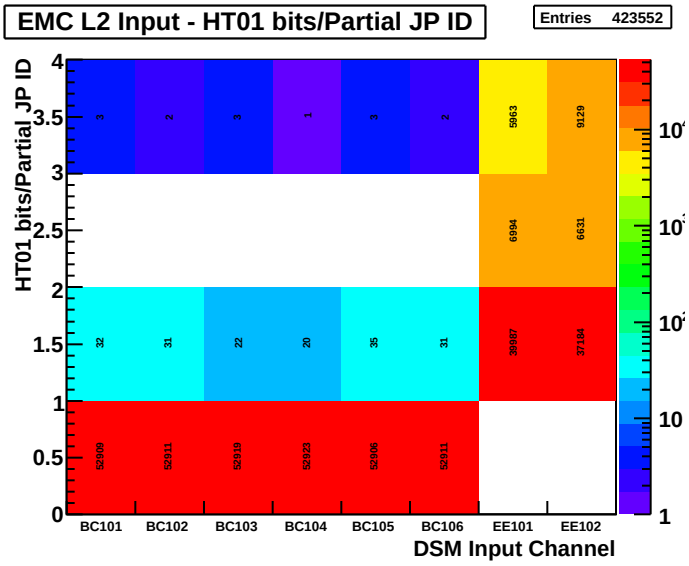

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

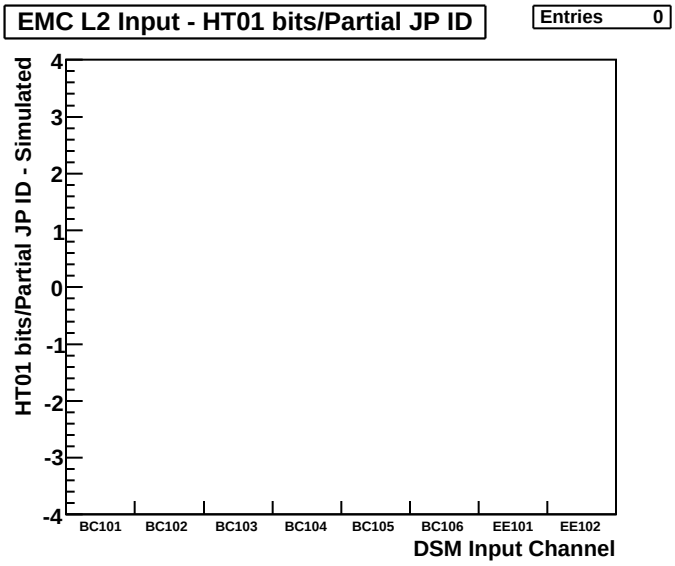

EMC L2 Input - JPZ/JPC bits
Entries 423552
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

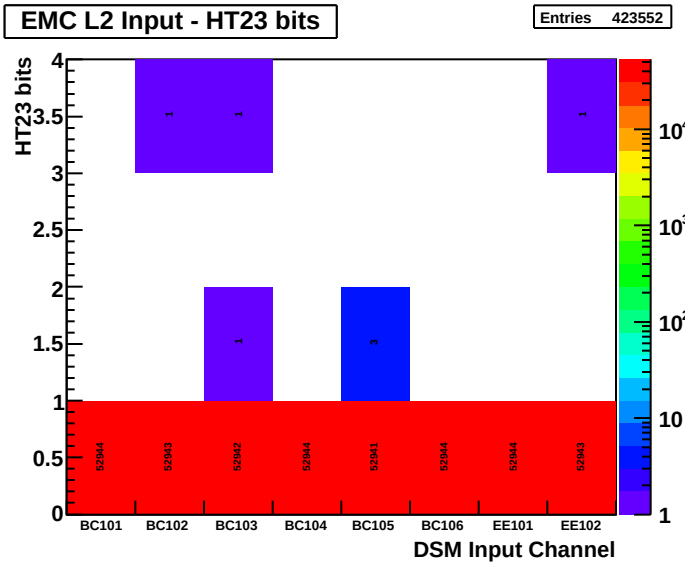

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

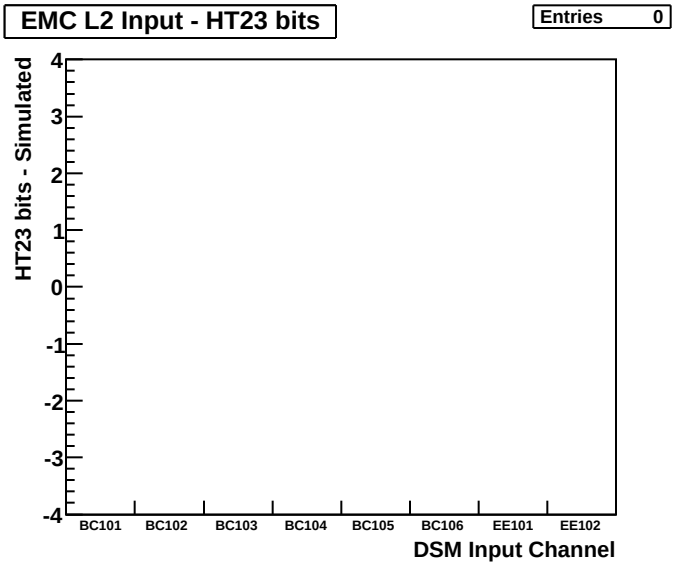

EMC L2 Input - Partial JP Sum
Entries 423552
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

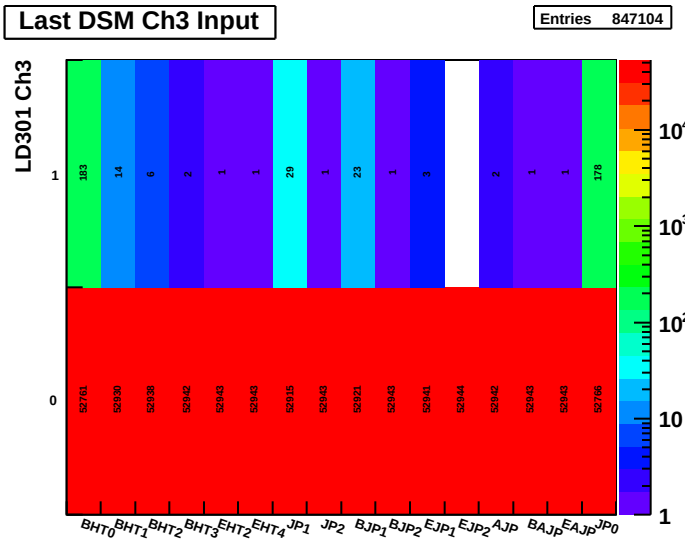

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

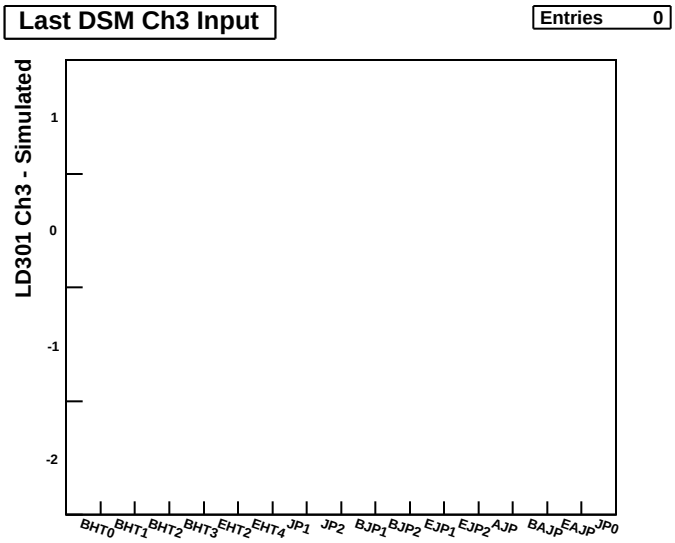

EMC L2 Input - HT01 bits/Partial JP ID
Entries 423552
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

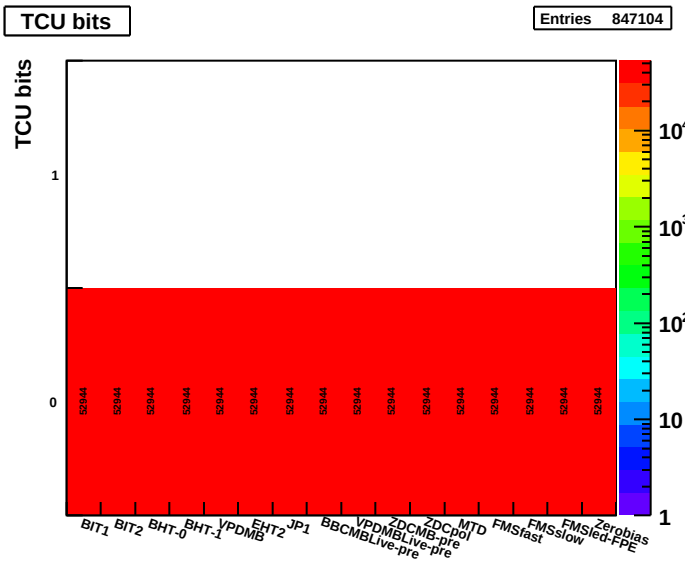

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

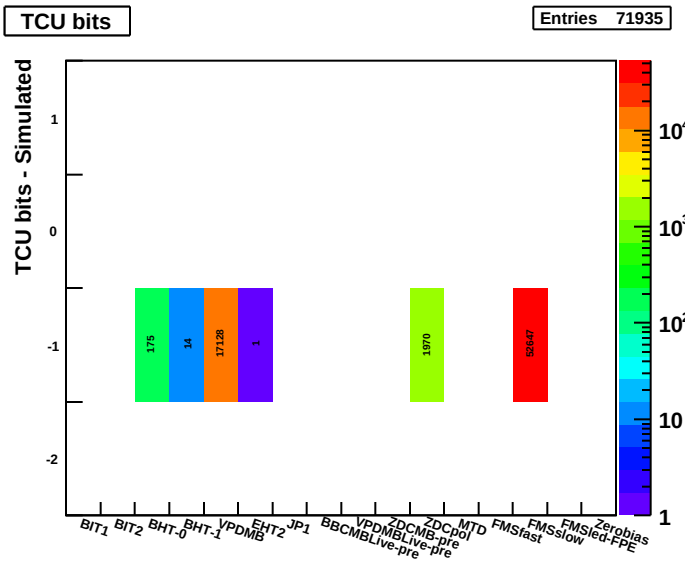

EMC L2 Input - HT23 bits
Entries 423552
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

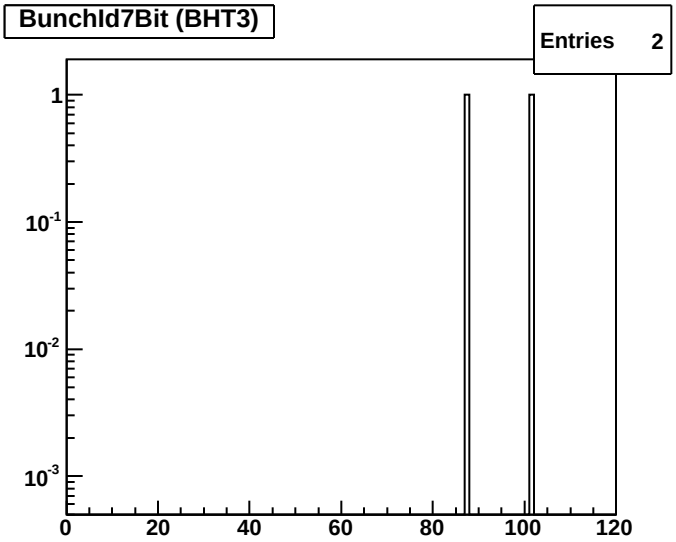

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

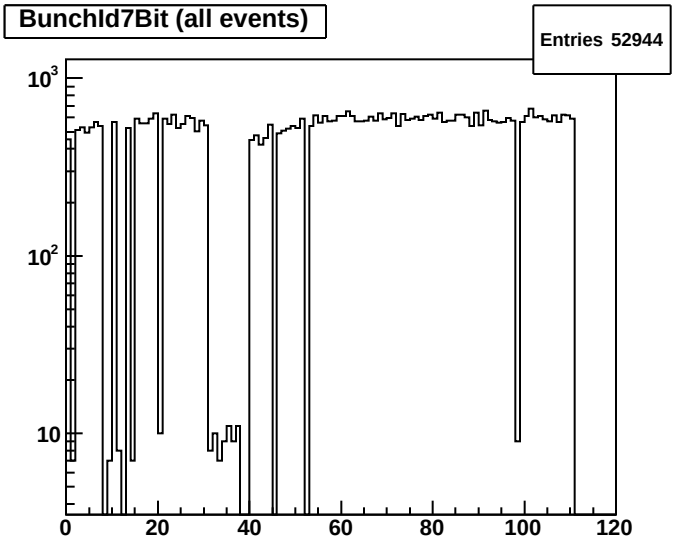

Last DSM Ch3 Input
Entries 847104
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

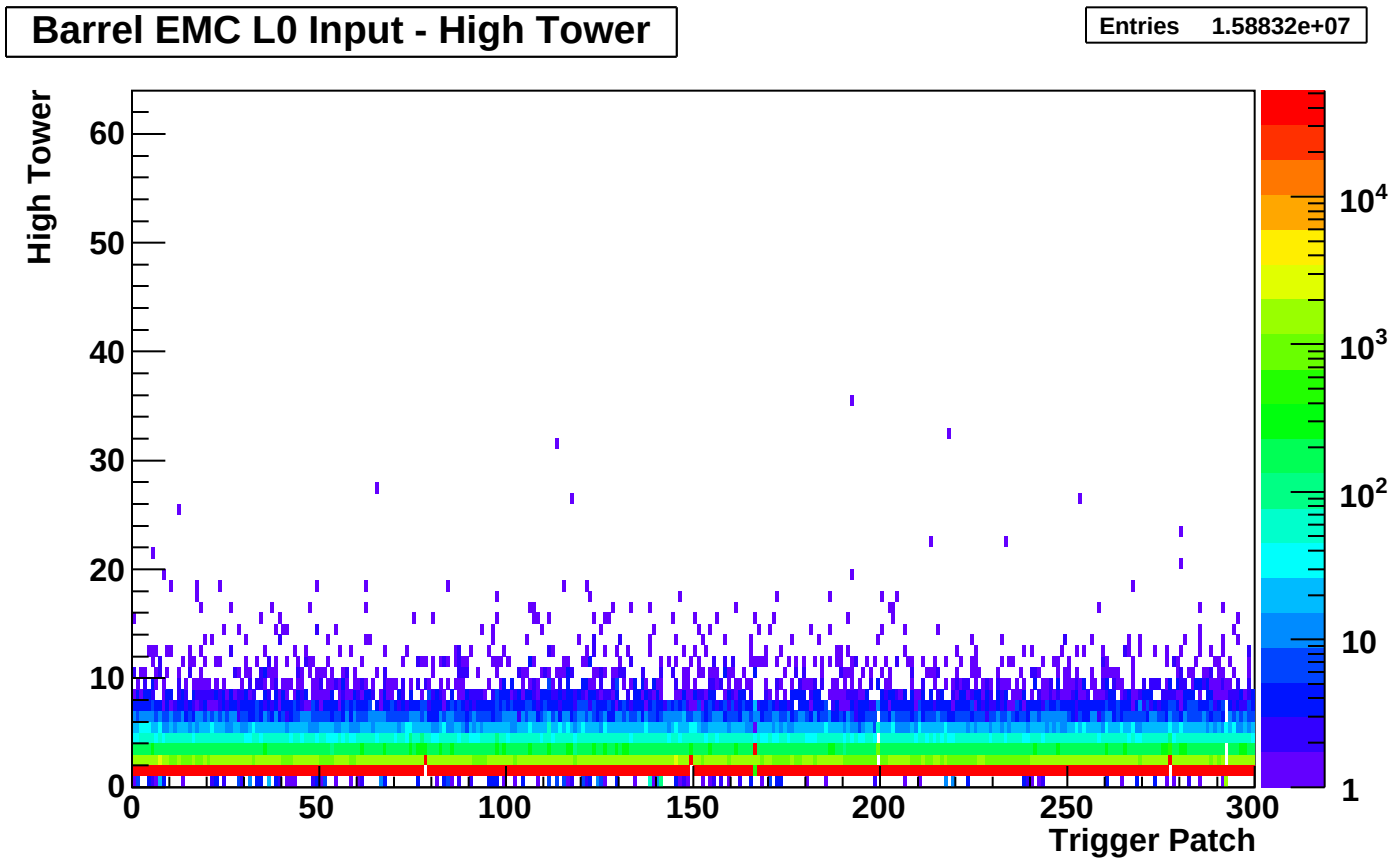

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

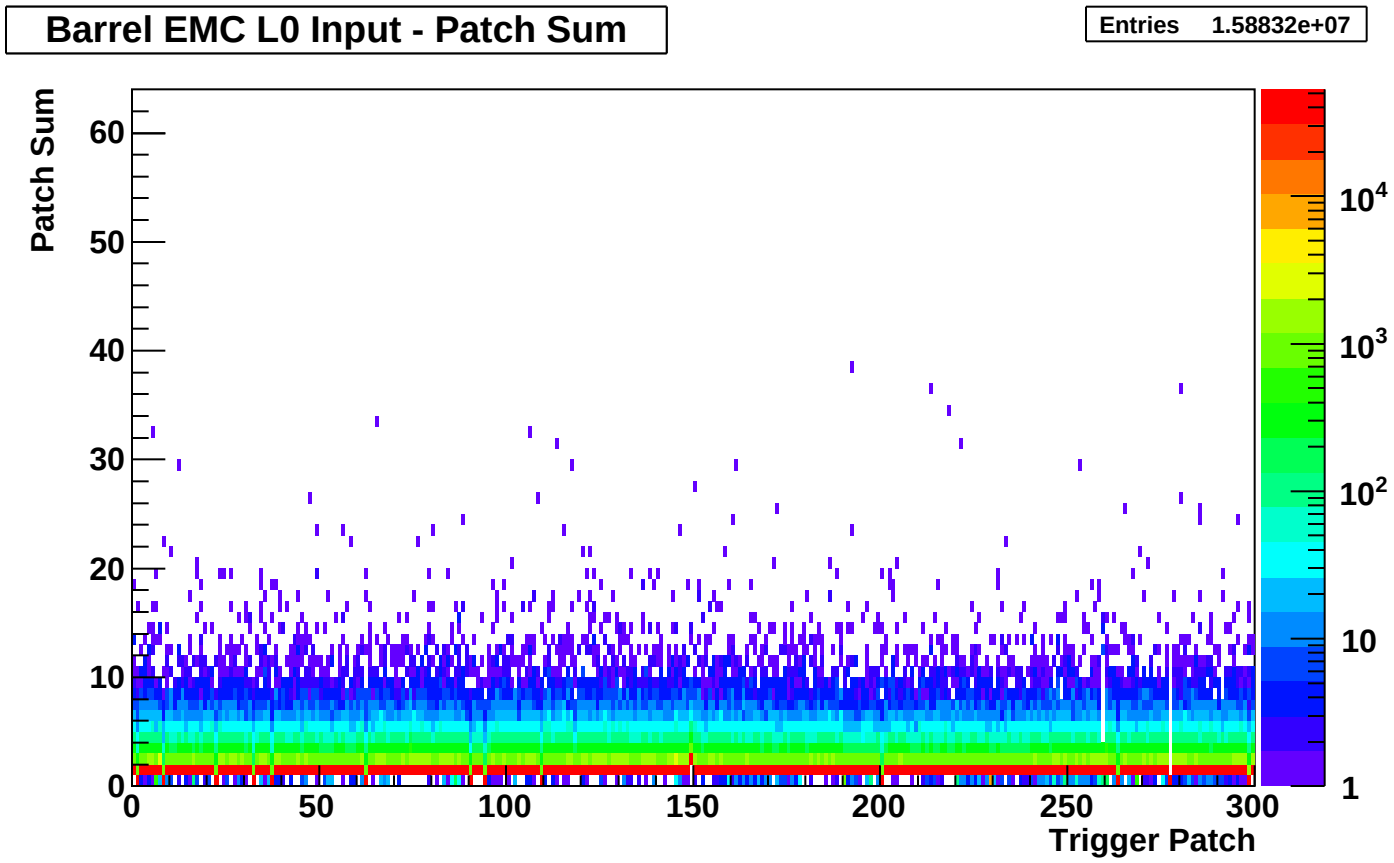

TCU bits
Entries 847104
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

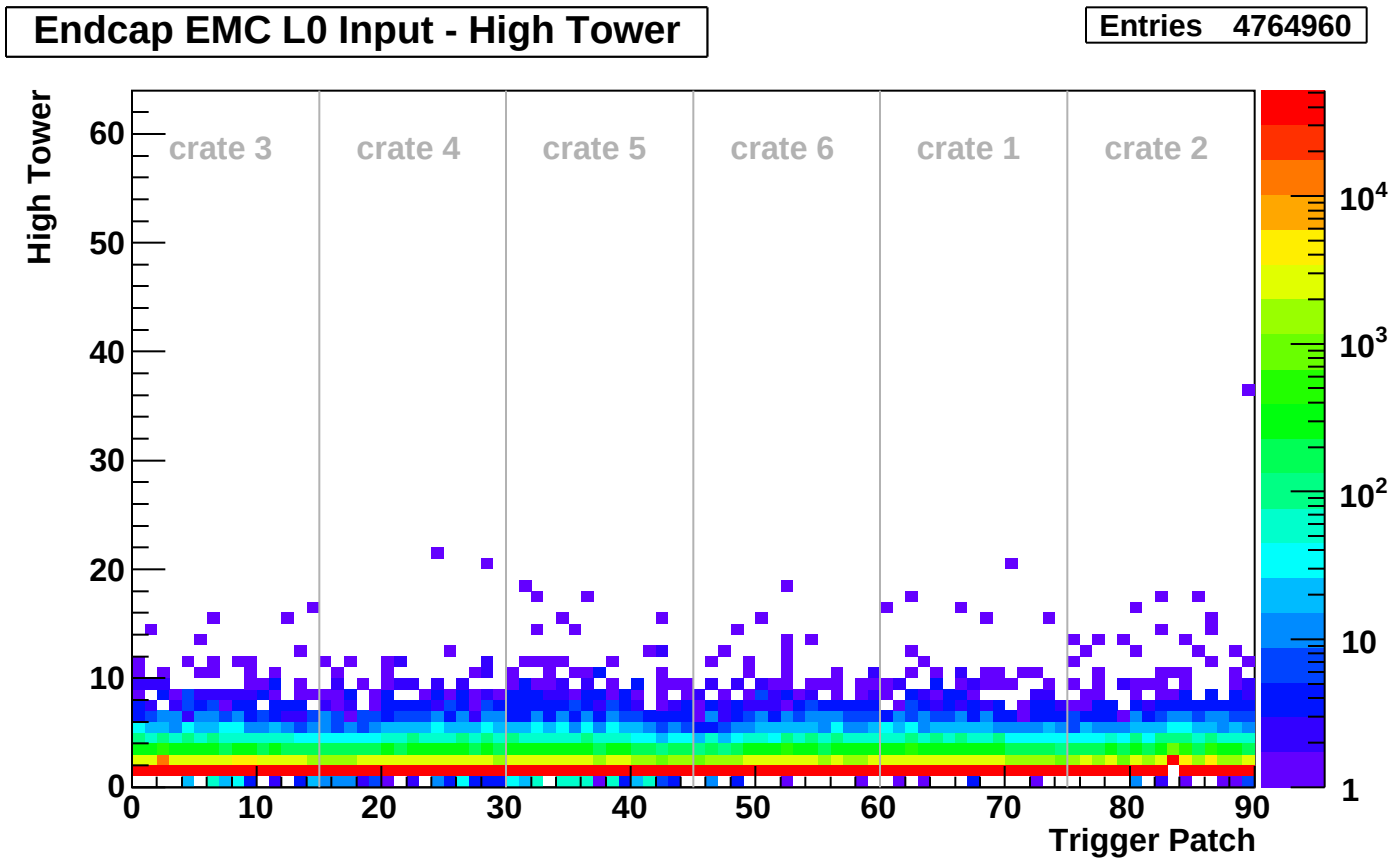

TCU bits
Entries 71935
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

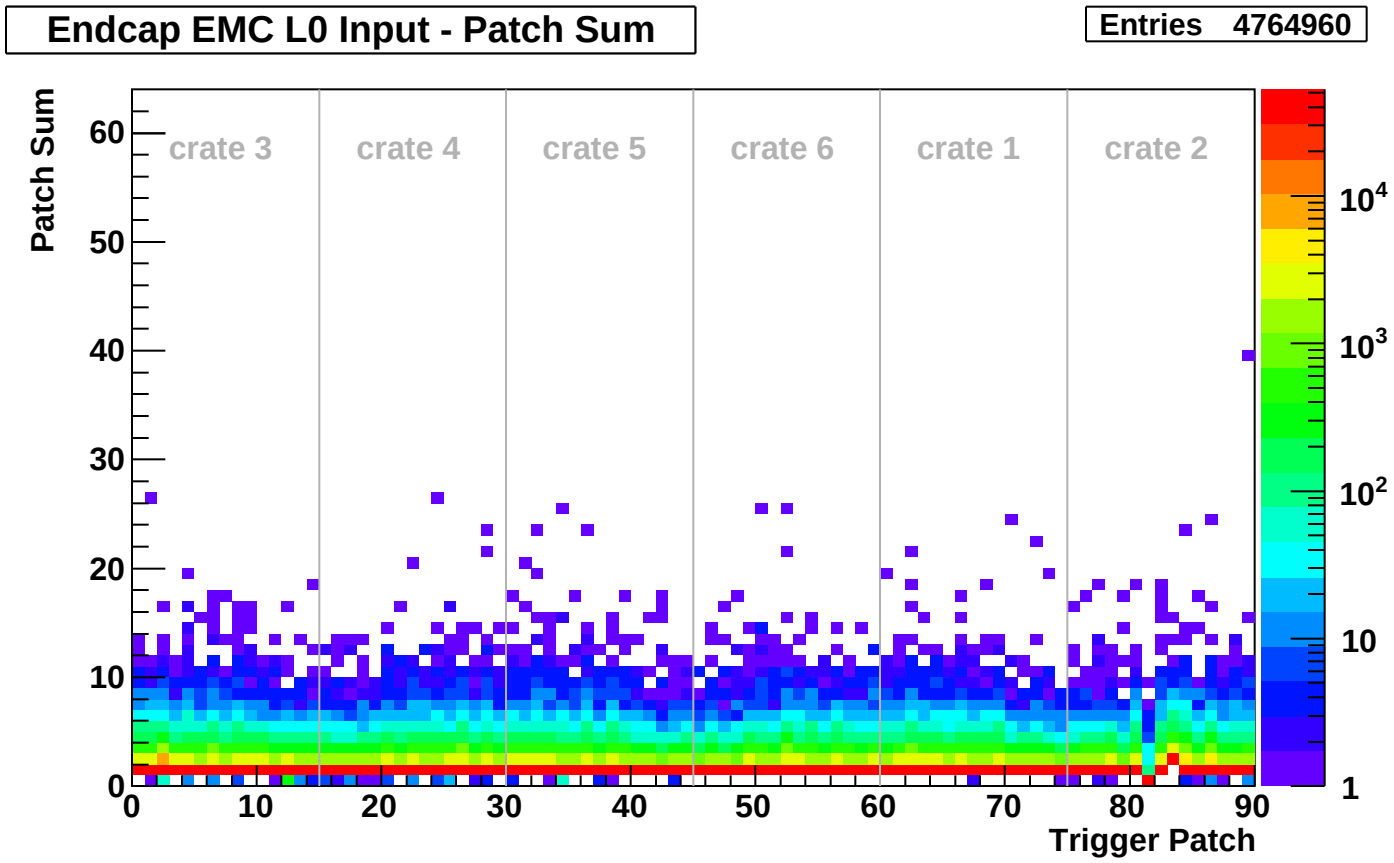

BunchId7Bit (BHT3)
Entries 2

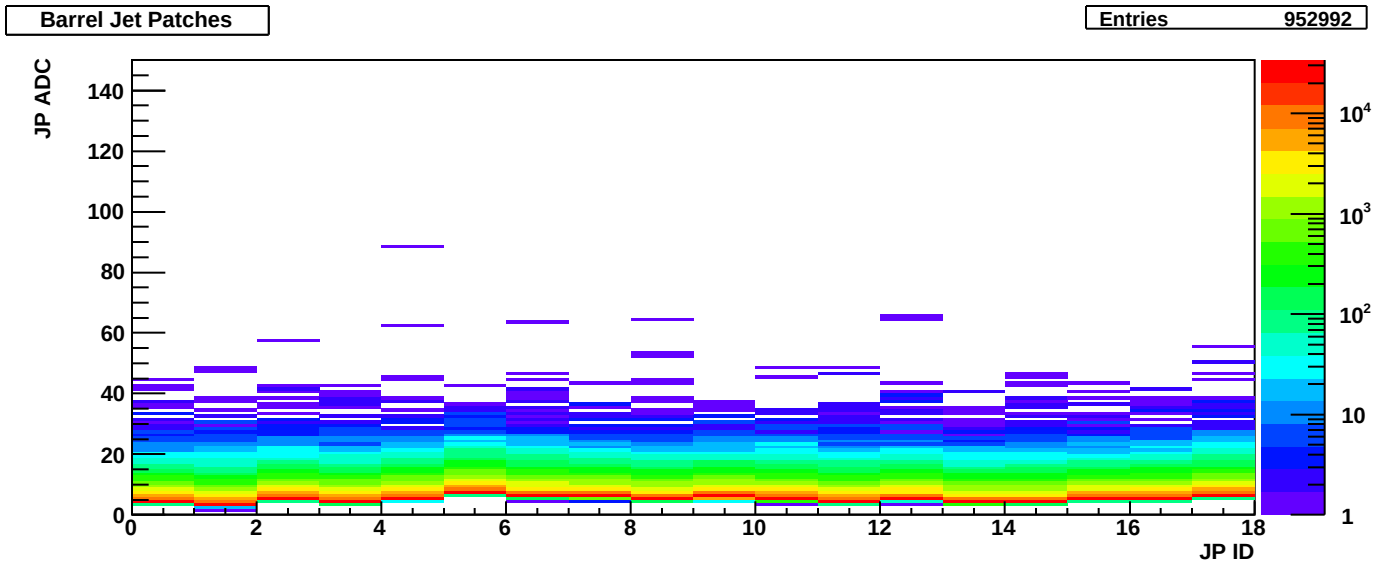

BunchId7Bit (all events)
Entries 52944

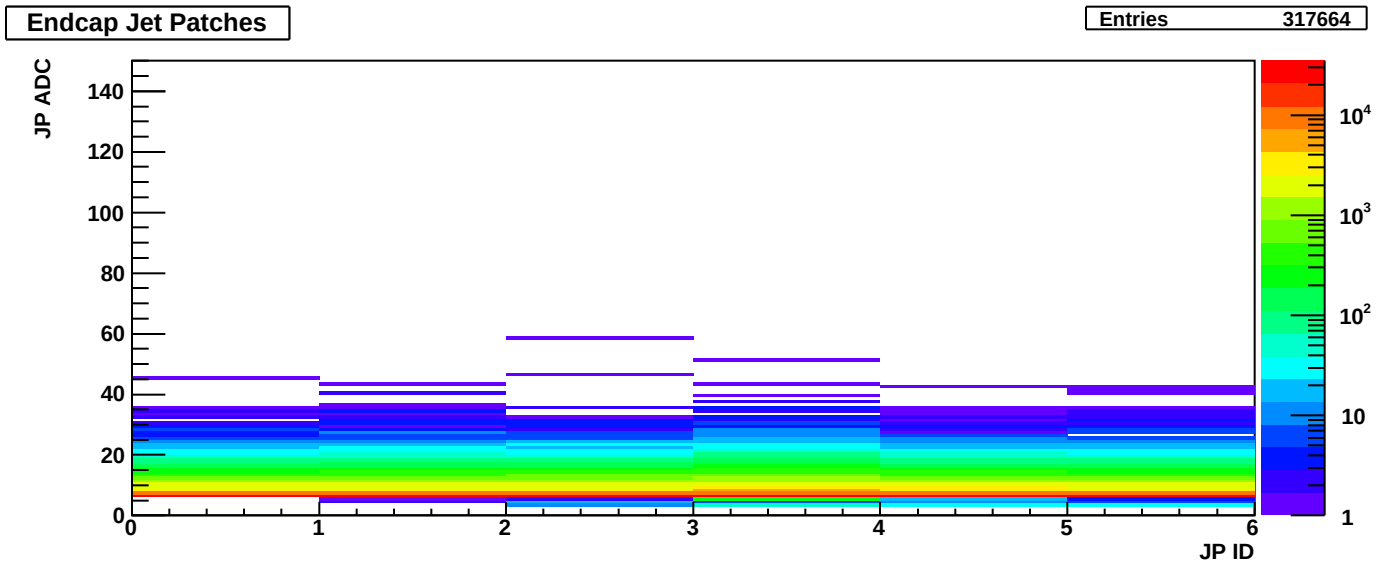

Barrel EMC L0 Input - High Tower
Entries 1.58832e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

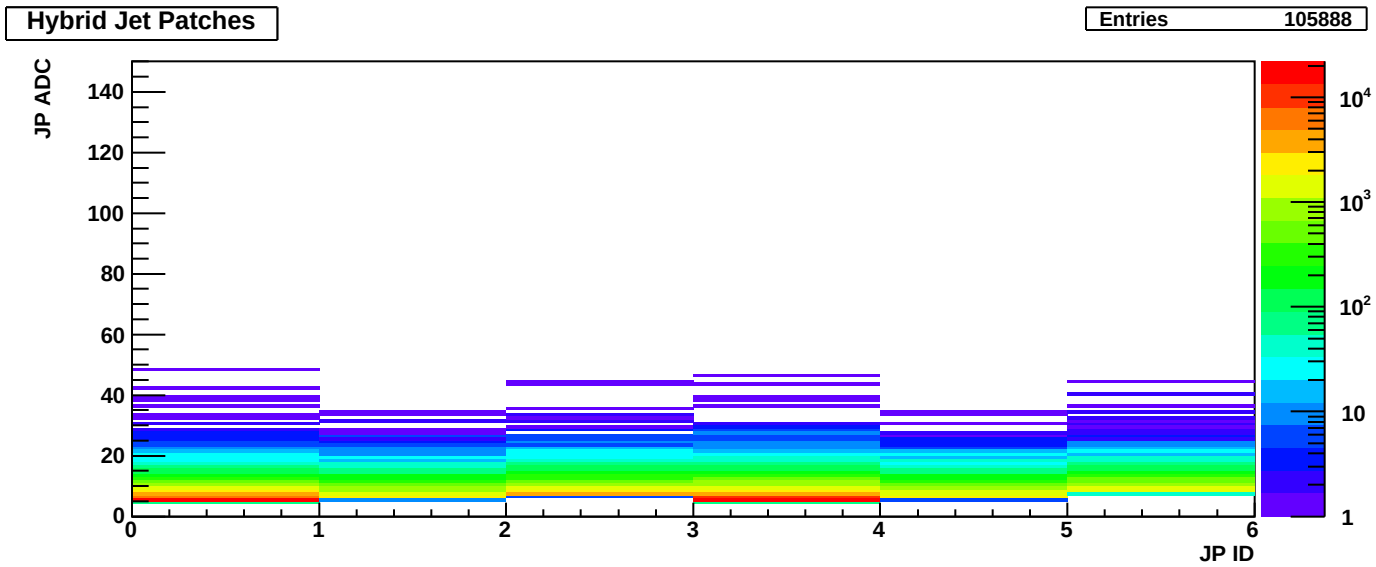

Barrel EMC L0 Input - Patch Sum
Entries 1.58832e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

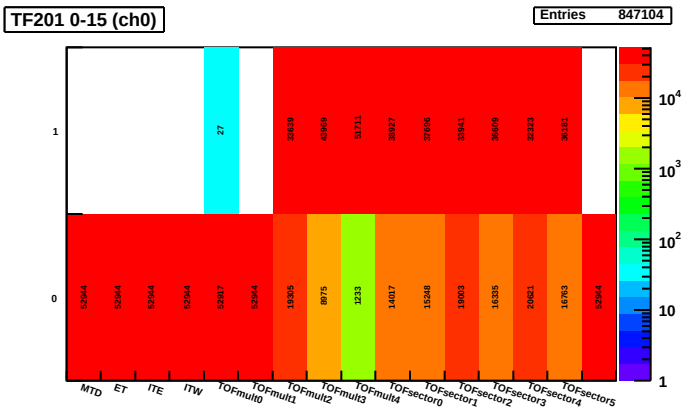

Endcap EMC L0 Input - High Tower
Entries 4764960
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

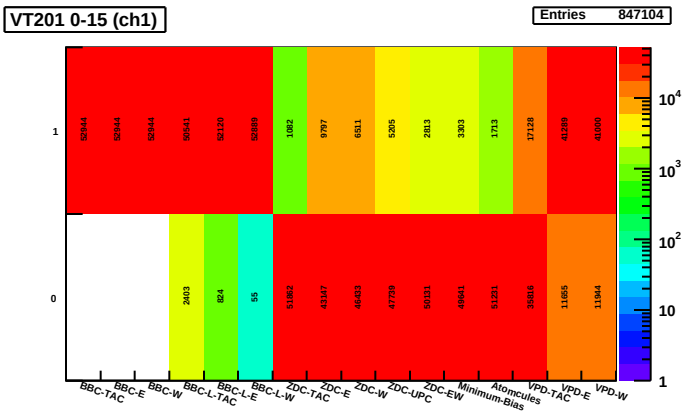

Endcap EMC L0 Input - Patch Sum
Entries 4764960
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

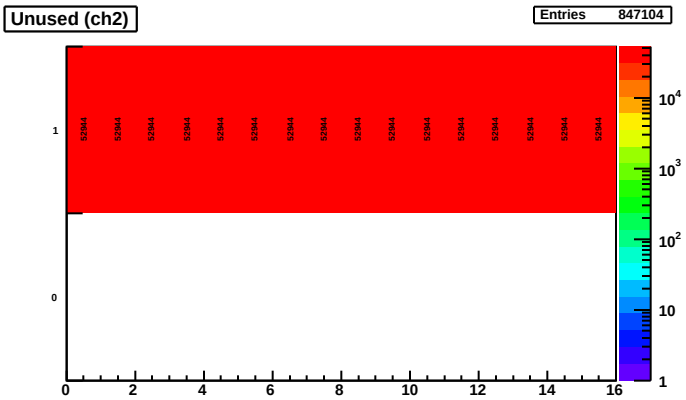

Barrel Jet Patches
Entries 952992
JP ADC
JP ID

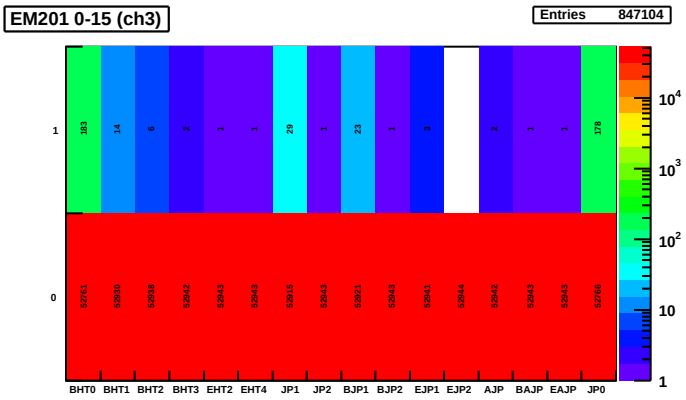

Endcap Jet Patches
Entries 317664
JP ADC
JP ID

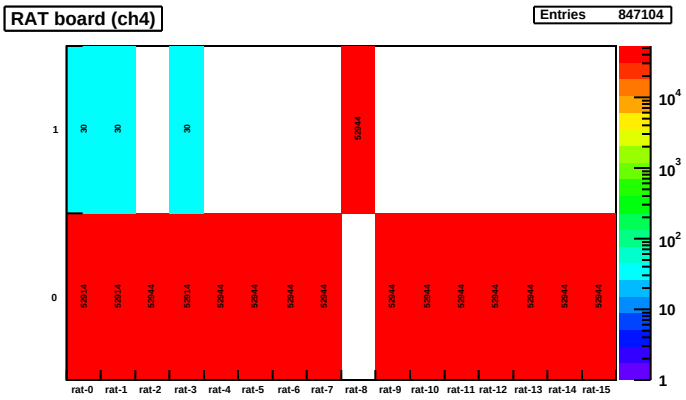

Hybrid Jet Patches
Entries 105888
JP ADC
JP ID

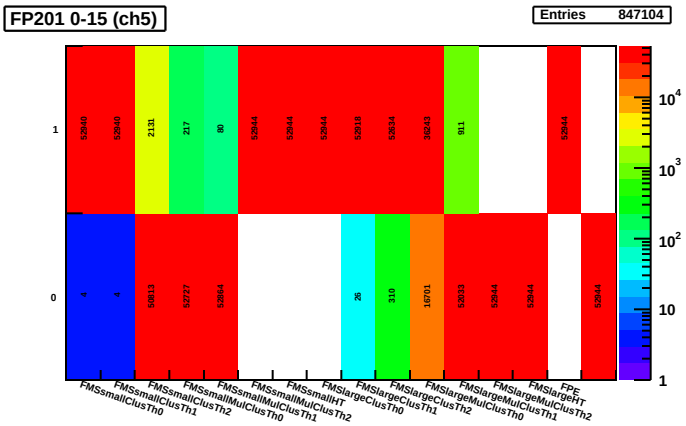

TF201 0-15 (ch0)
Entries 847104
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

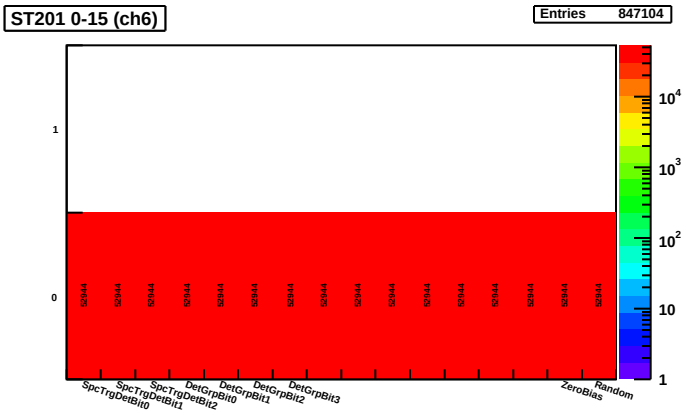

VT201 0-15 (ch1)
Entries 847104
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

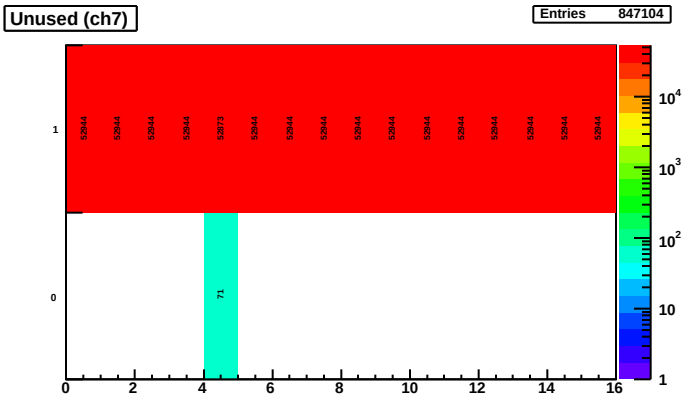

Unused (ch2)
Entries 847104

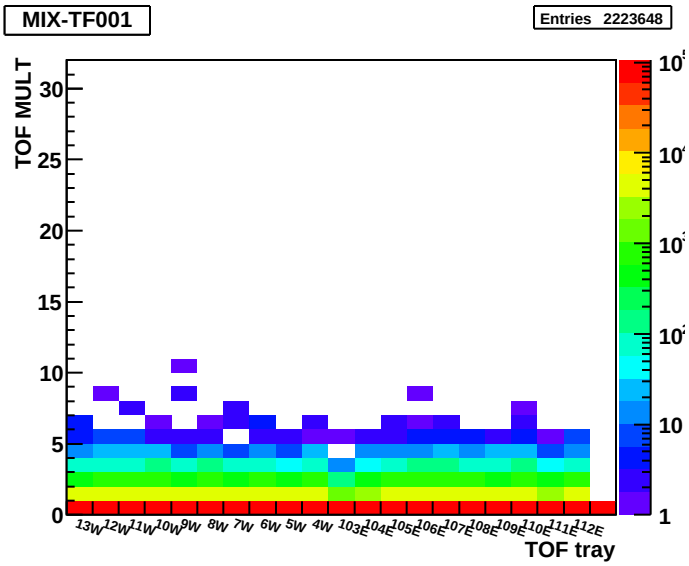

EM201 0-15 (ch3)
Entries 847104
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

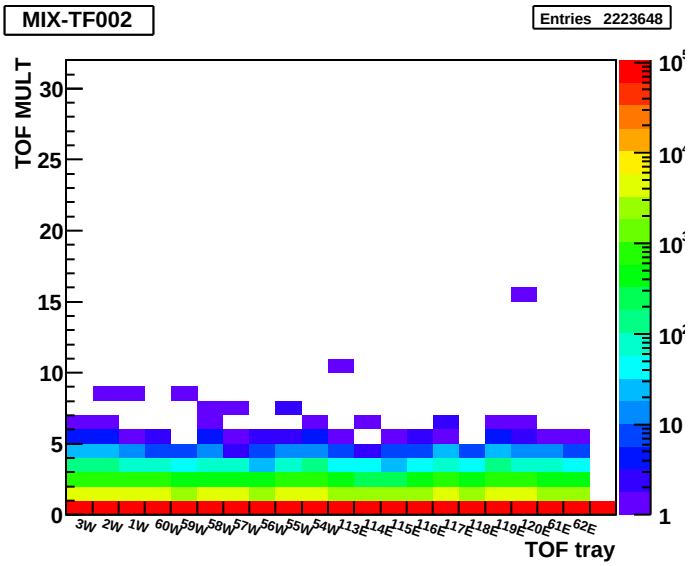

RAT board (ch4)
Entries 847104
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

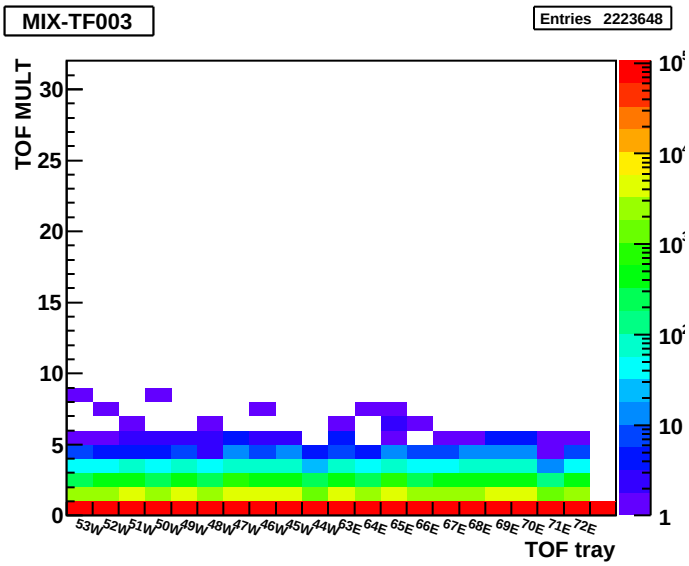

FP201 0-15 (ch5)
Entries 847104
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

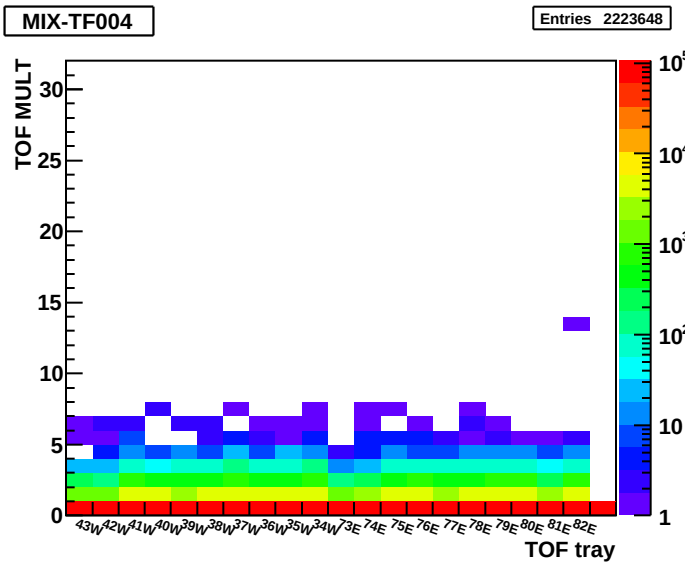

ST201 0-15 (ch6)
Entries 847104
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random

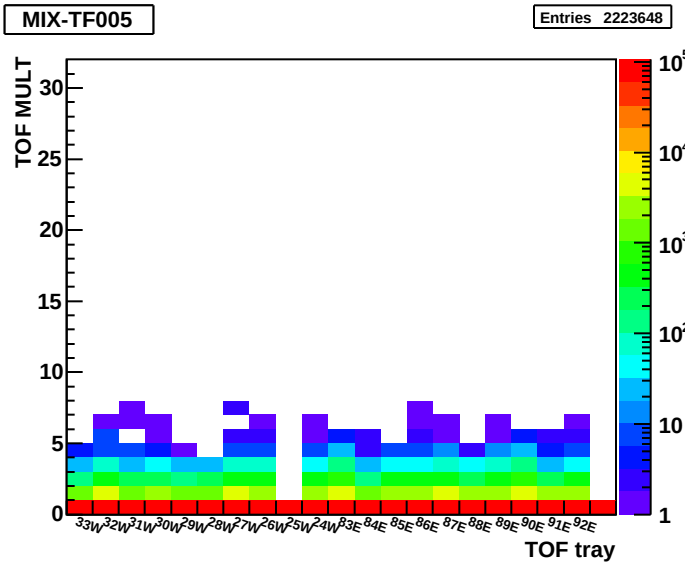

Unused (ch7)
Entries 847104

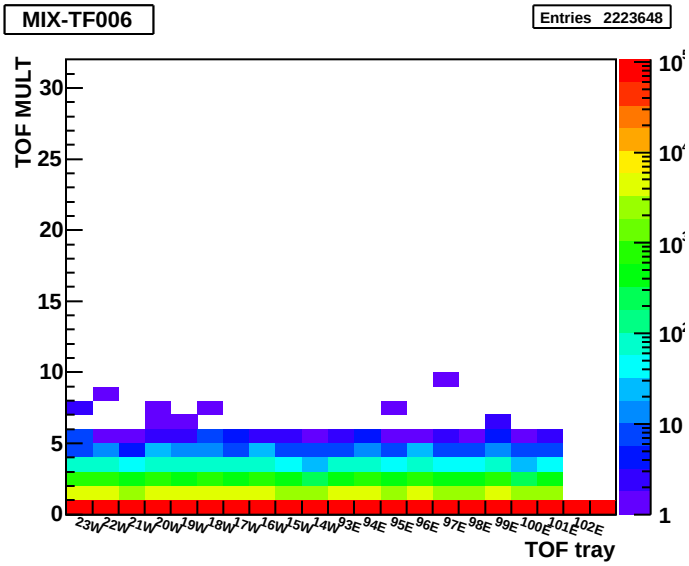

MIX-TF001
Entries 2223648
TOF MULT
TOF tray

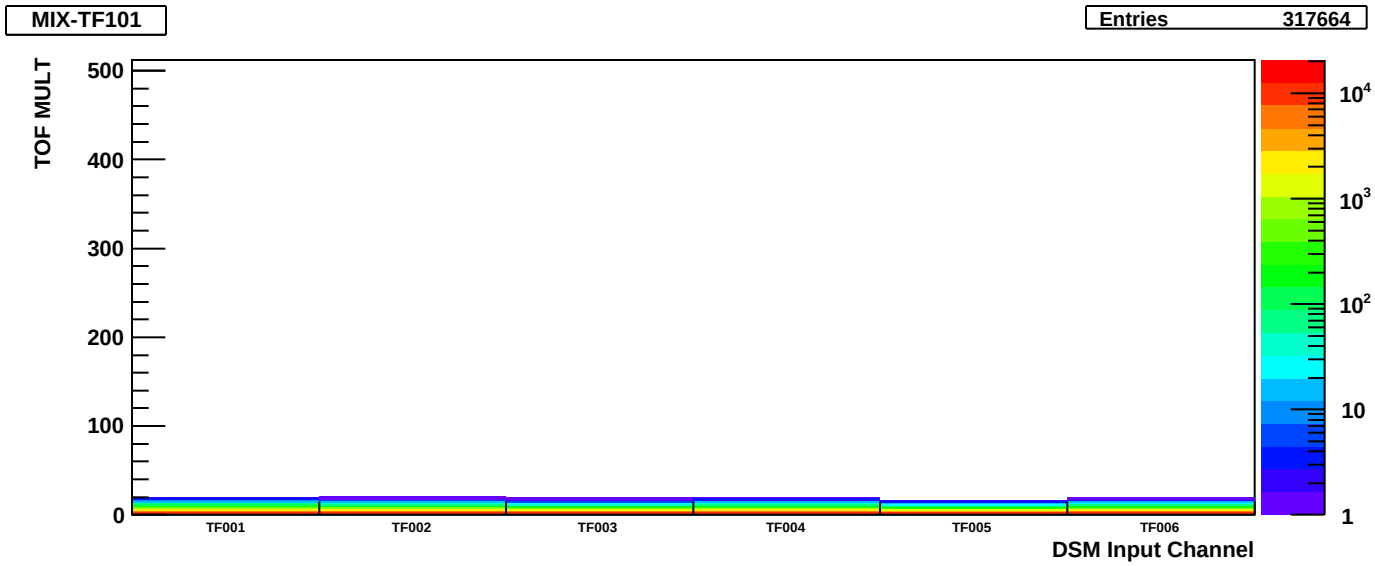

MIX-TF002
Entries 2223648
TOF MULT
TOF tray

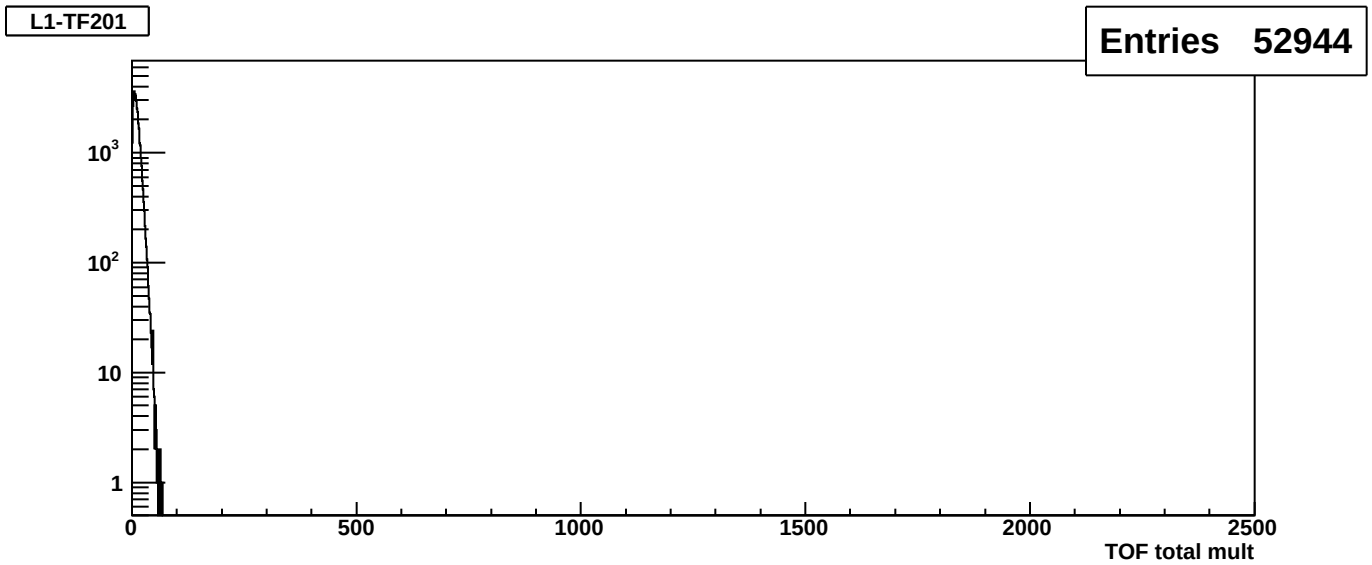

MIX-TF003
Entries 2223648
TOF MULT
TOF tray

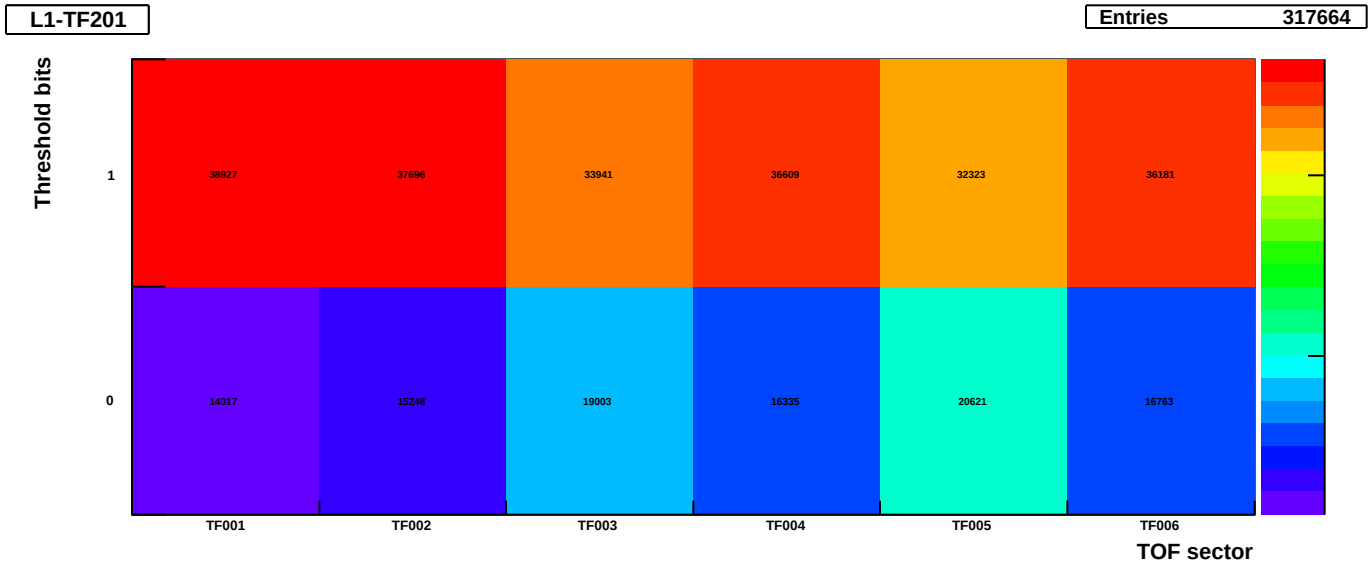

MIX-TF004
Entries 2223648
TOF MULT
TOF tray

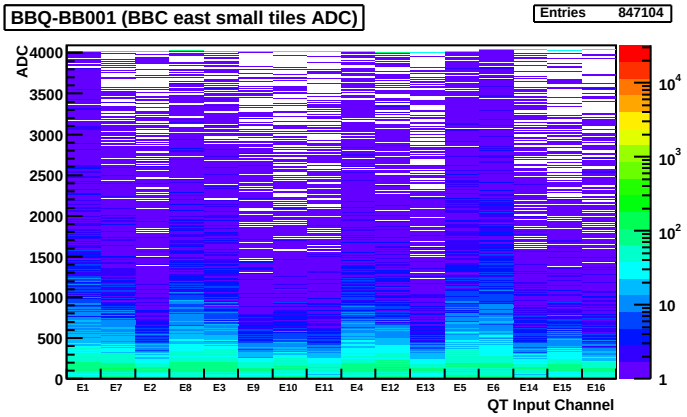

MIX-TF005
Entries 2223648
TOF MULT
TOF tray

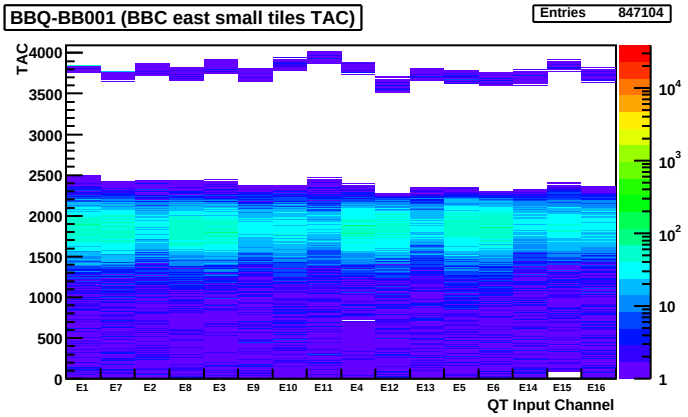

MIX-TF006
Entries 2223648
TOF MULT
TOF tray

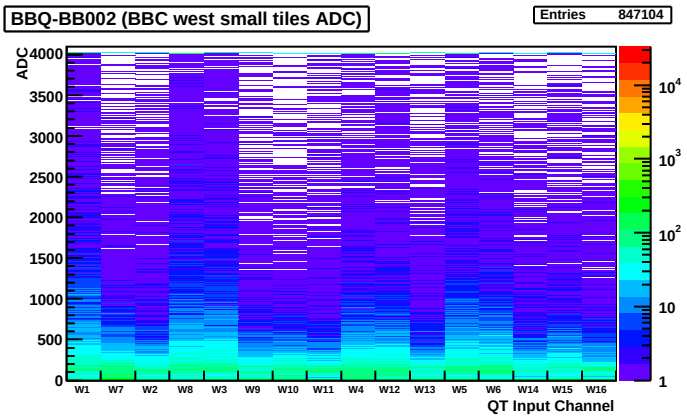

MIX-TF101
Entries 317664
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

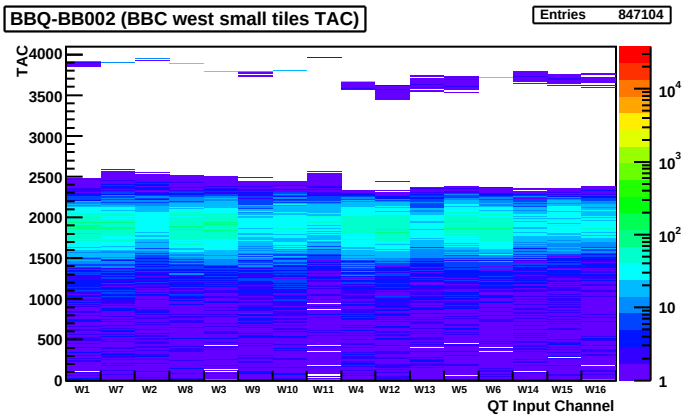

L1-TF201
Entries 52944
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

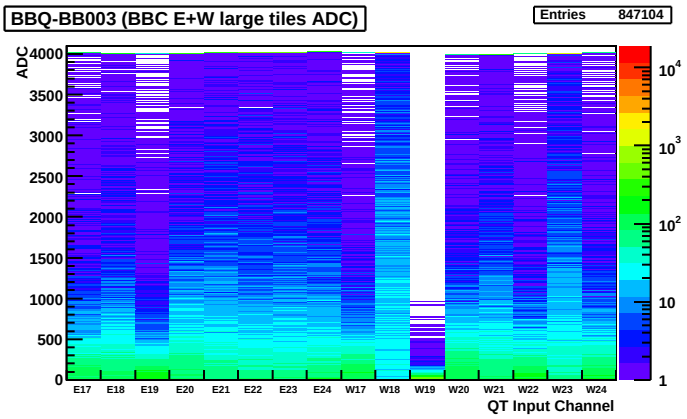

L1-TF201
Entries 317664
Threshold bits
1
0
38927
37696
33941
36609
32323
36181
14017
15248
19003
16335
20621
16763
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

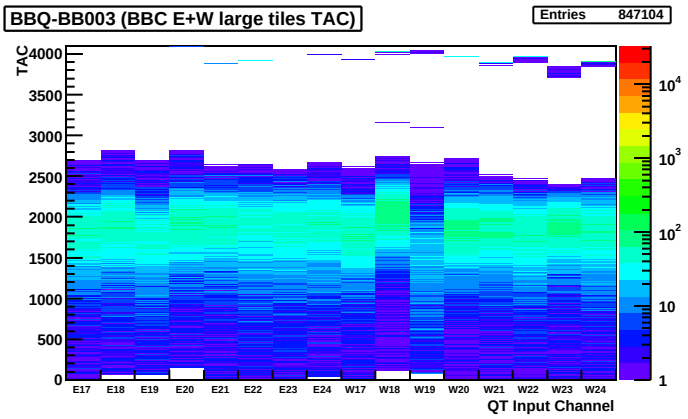

BBQ-BB001 (BBC east small tiles ADC)
Entries 847104
ADC
QT Input Channel

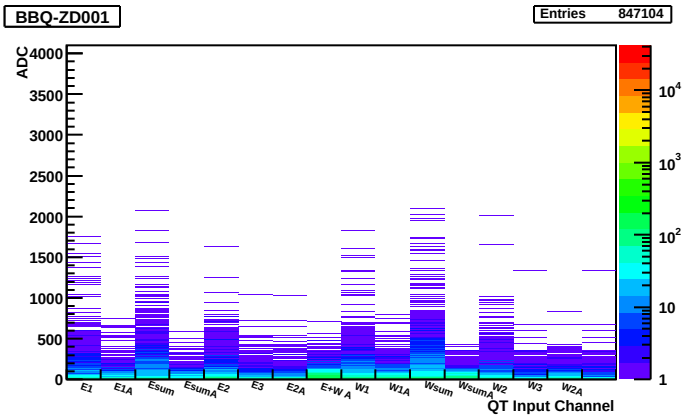

BBQ-BB001 (BBC east small tiles TAC)
Entries 847104
TAC
QT Input Channel

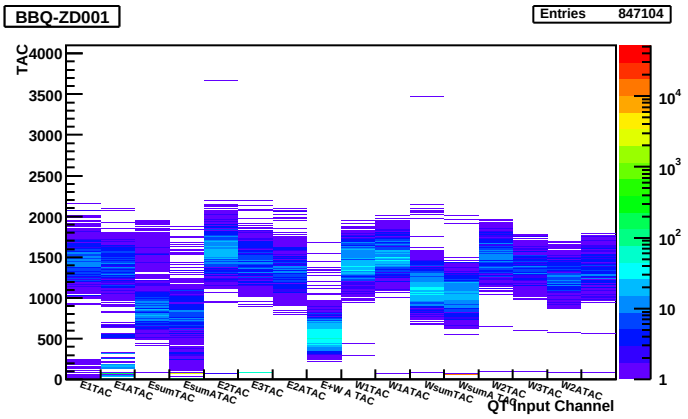

BBQ-BB002 (BBC west small tiles ADC)
Entries 847104
ADC
QT Input Channel

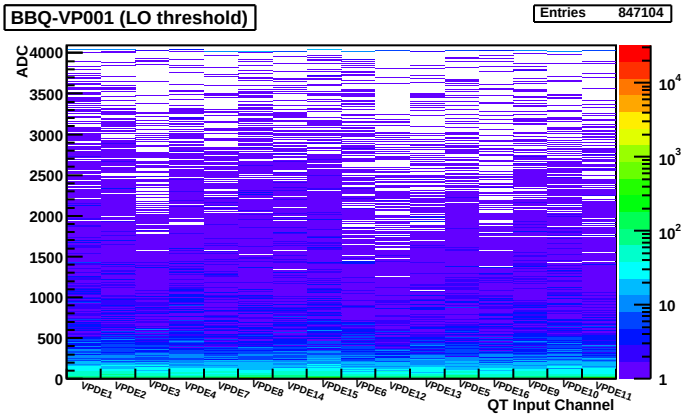

BBQ-BB002 (BBC west small tiles TAC)
Entries 847104
TAC
QT Input Channel

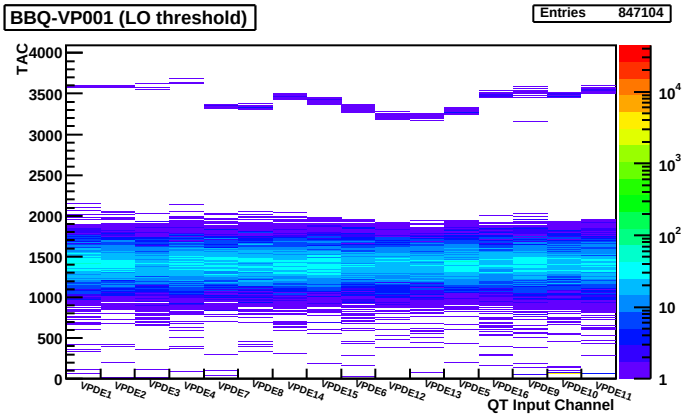

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 847104
ADC
QT Input Channel

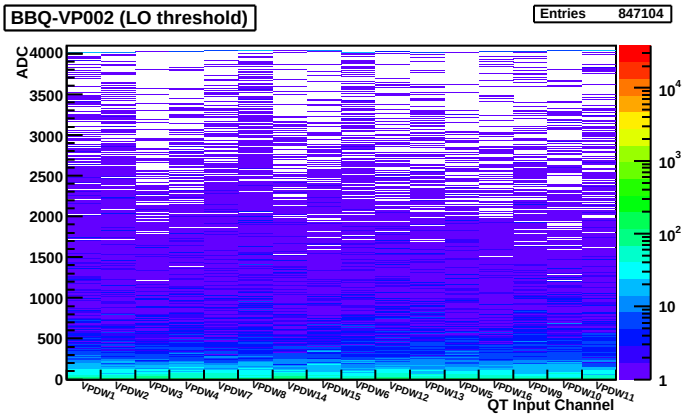

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 847104
TAC
QT Input Channel

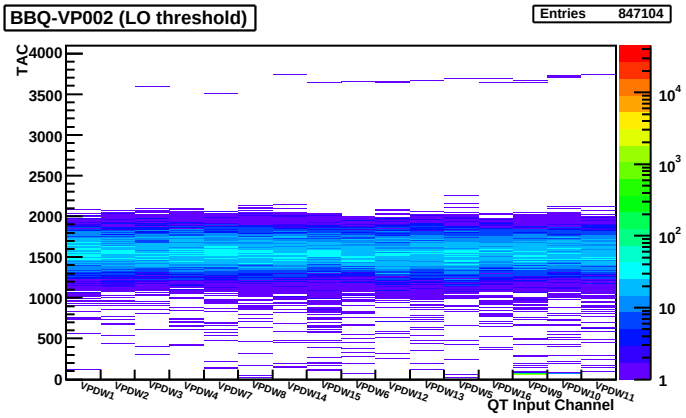

BBQ-ZD001
Entries 847104
ADC
QT Input Channel

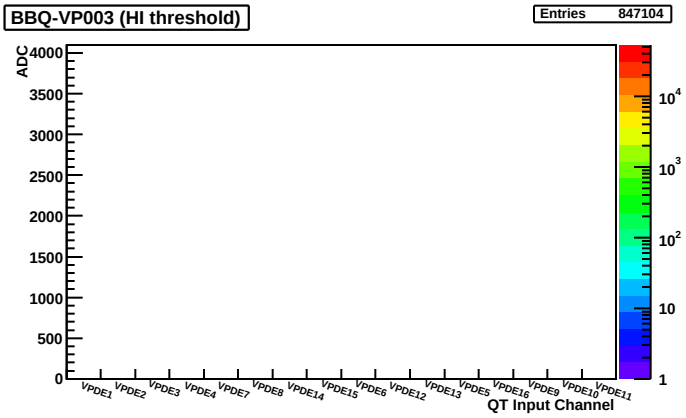

BBQ-ZD001
Entries 847104
TAC
QT Input Channel

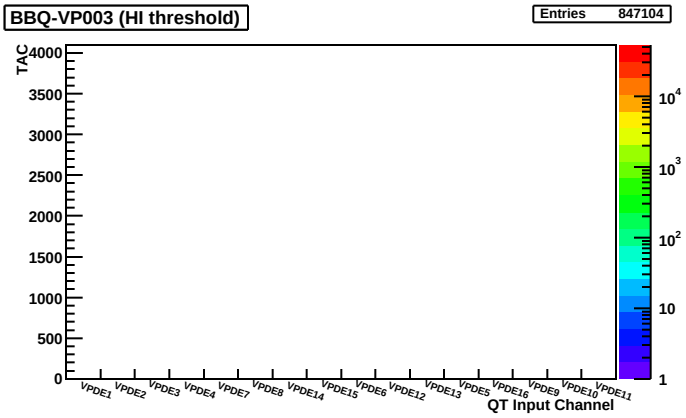

BBQ-VP001 (LO threshold)
Entries 847104
ADC
QT Input Channel

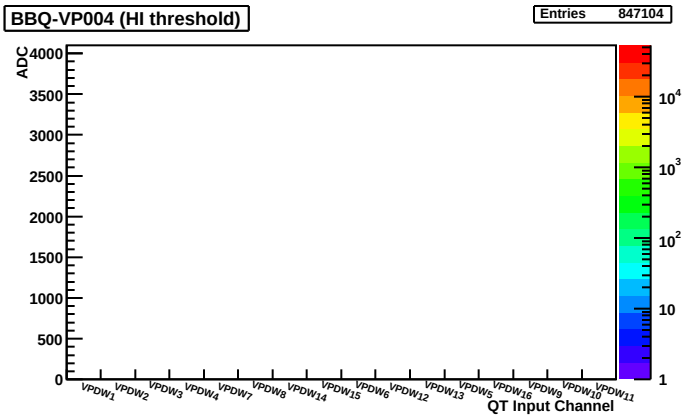

BBQ-VP001 (LO threshold)
Entries 847104
TAC
QT Input Channel

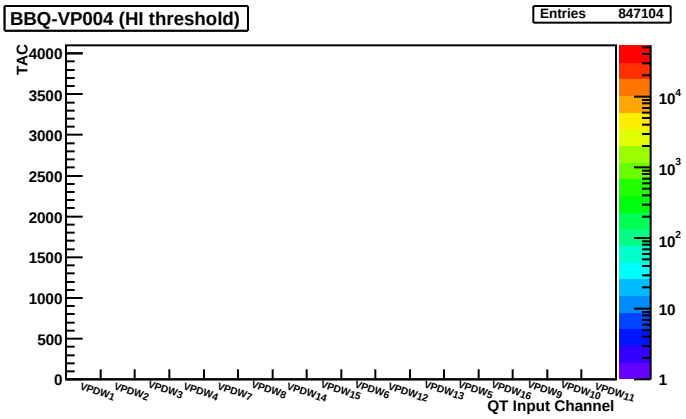

BBQ-VP002 (LO threshold)
Entries 847104
ADC
QT Input Channel

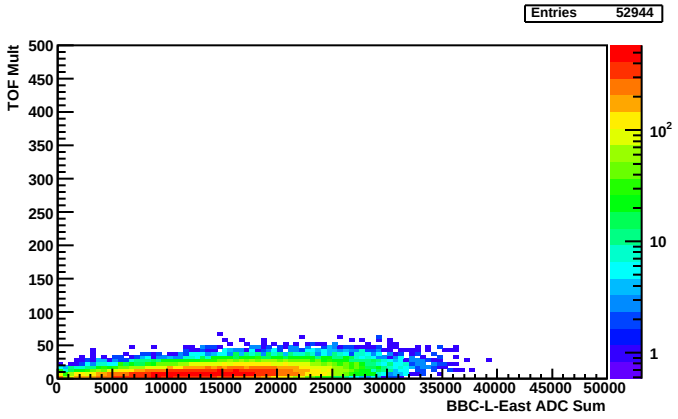

BBQ-VP002 (LO threshold)
Entries 847104
TAC
QT Input Channel

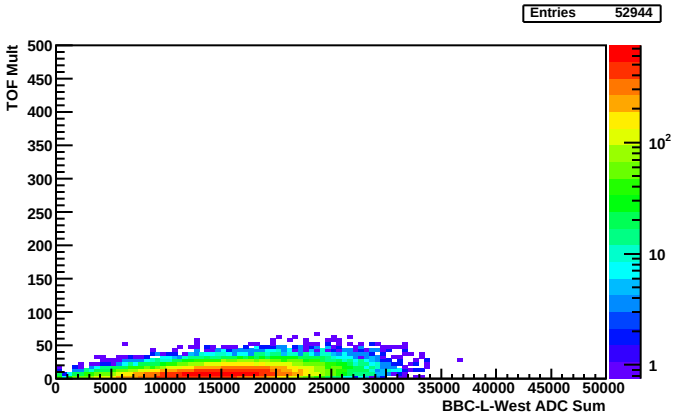

BBQ-VP003 (HI threshold)
Entries 847104
ADC
QT Input Channel

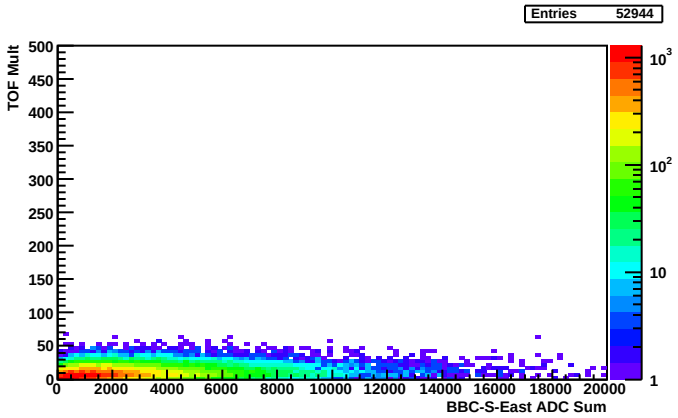

BBQ-VP003 (HI threshold)
Entries 847104
TAC
QT Input Channel

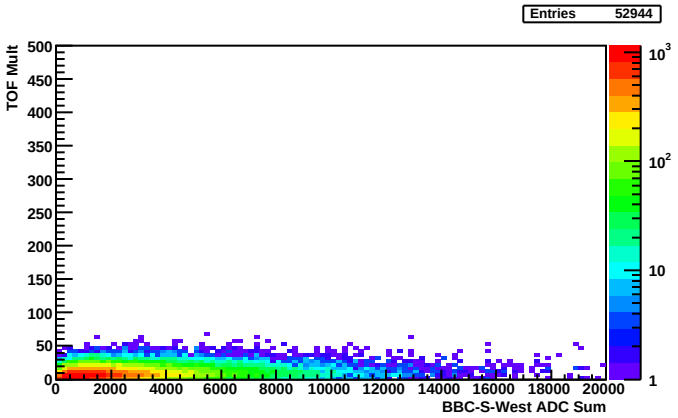

BBQ-VP004 (HI threshold)
Entries 847104
ADC
QT Input Channel

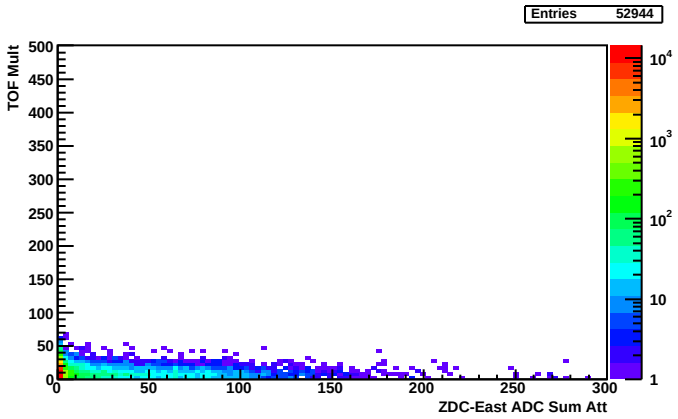

BBQ-VP004 (HI threshold)
Entries 847104
TAC
QT Input Channel

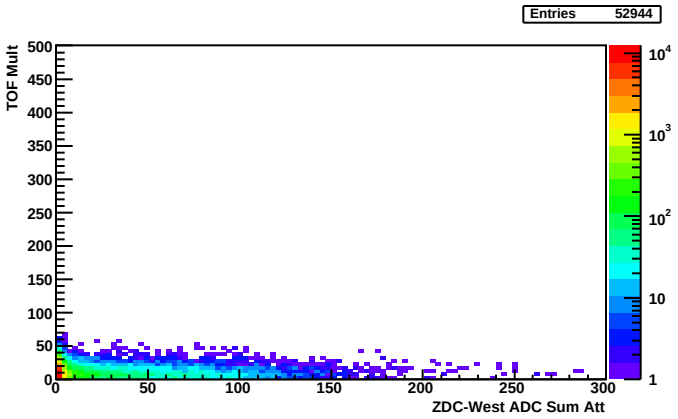

Entries 52944
TOF Mult
BBC-L-East ADC Sum

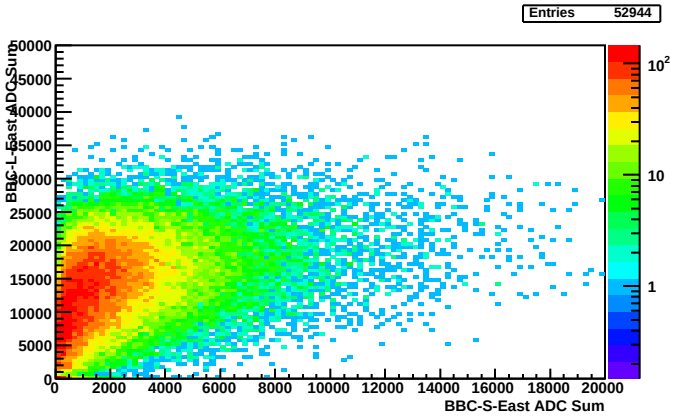

Entries 52944
TOF Mult
BBC-L-West ADC Sum

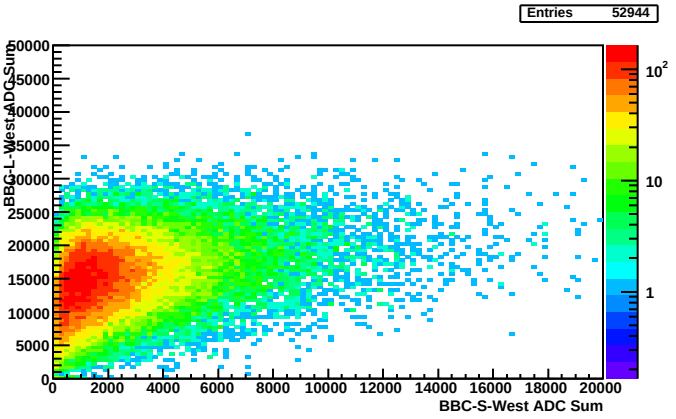

Entries 52944
TOF Mult
BBC-S-East ADC Sum

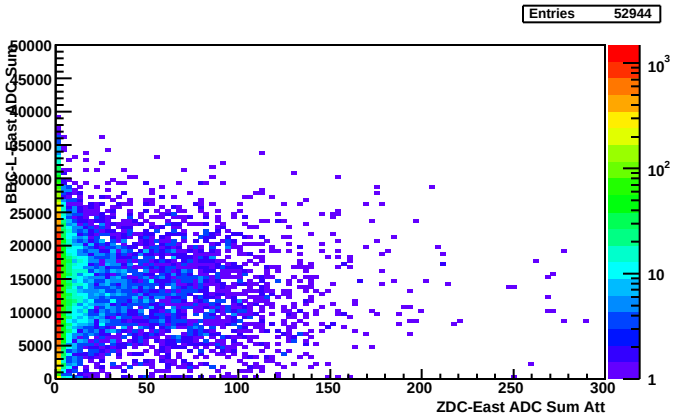

Entries 52944
TOF Mult
BBC-S-West ADC Sum

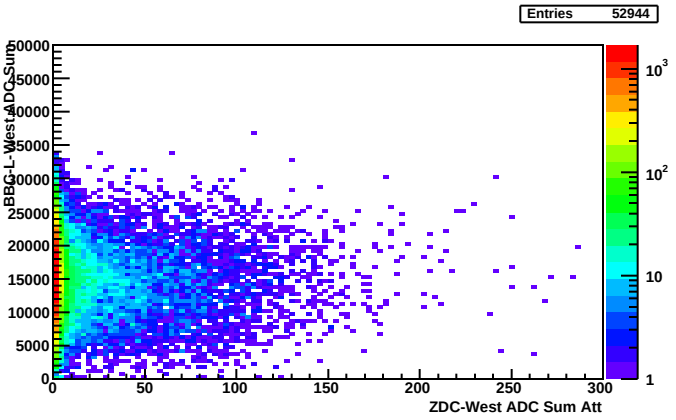

Entries 52944
TOF Mult
ZDC-East ADC Sum Att

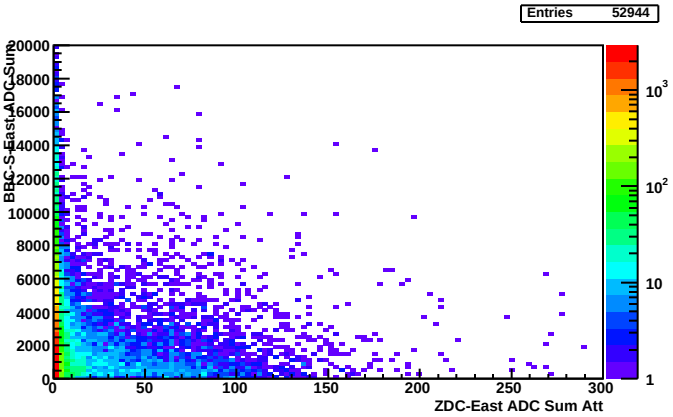

Entries 52944
TOF Mult
ZDC-West ADC Sum Att

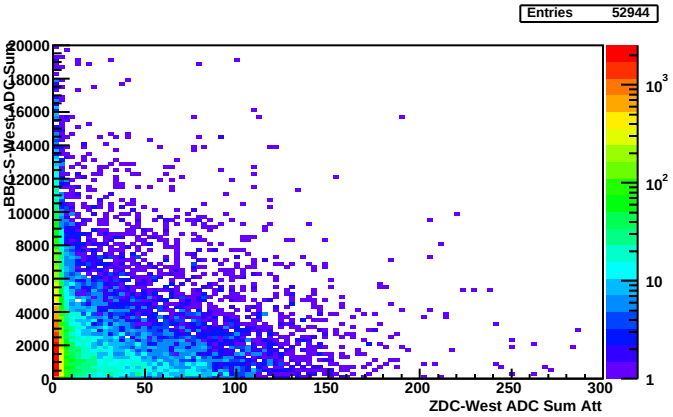

Entries 52944
BBC-L-East ADC Sum
BBC-S-East ADC Sum

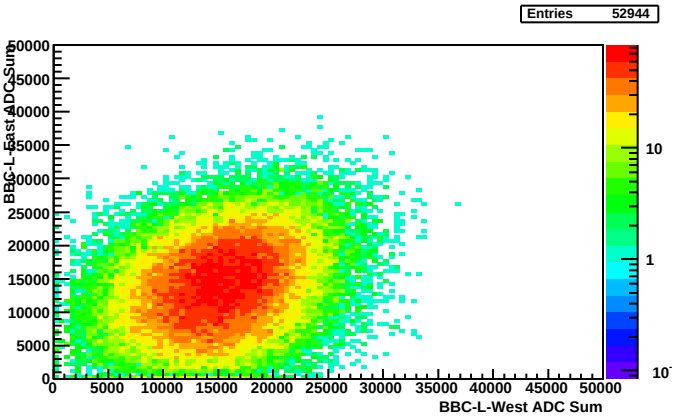

Entries 52944
BBC-L-West ADC Sum
BBC-S-West ADC Sum

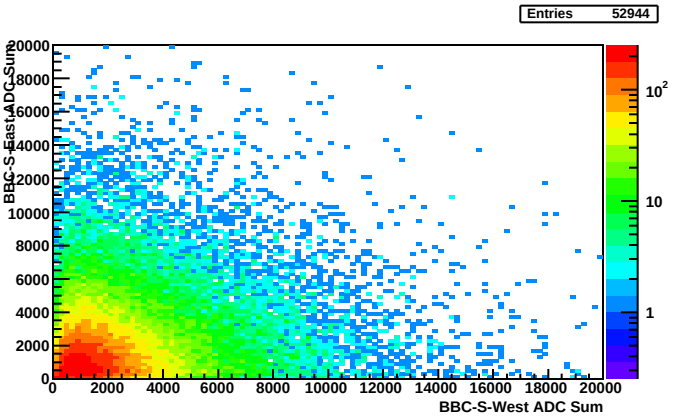

Entries 52944
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

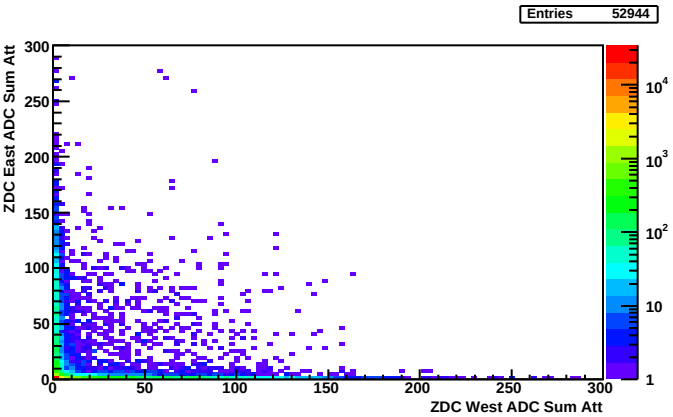

Entries 52944
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

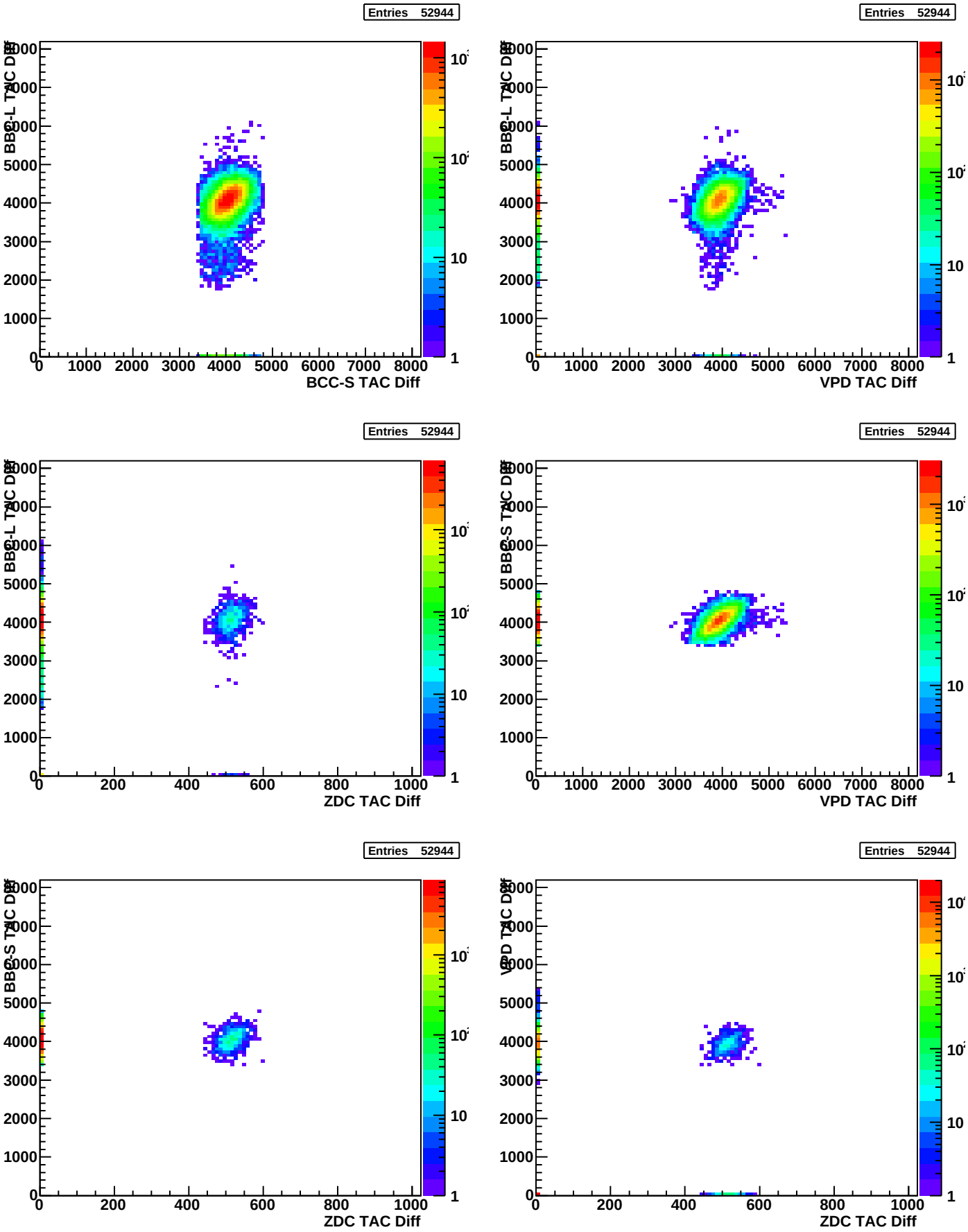

Entries 52944
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

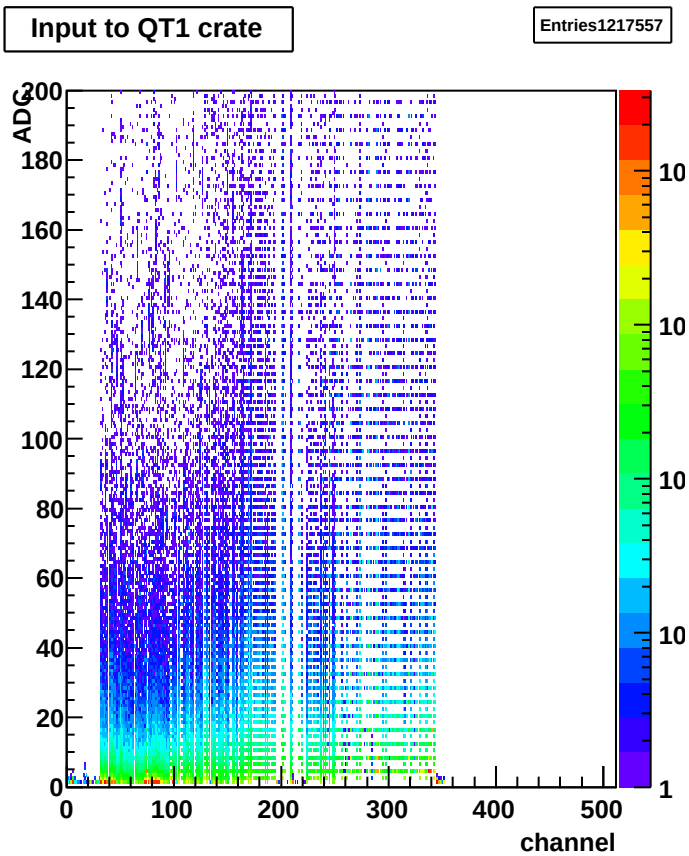

Entries 52944
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

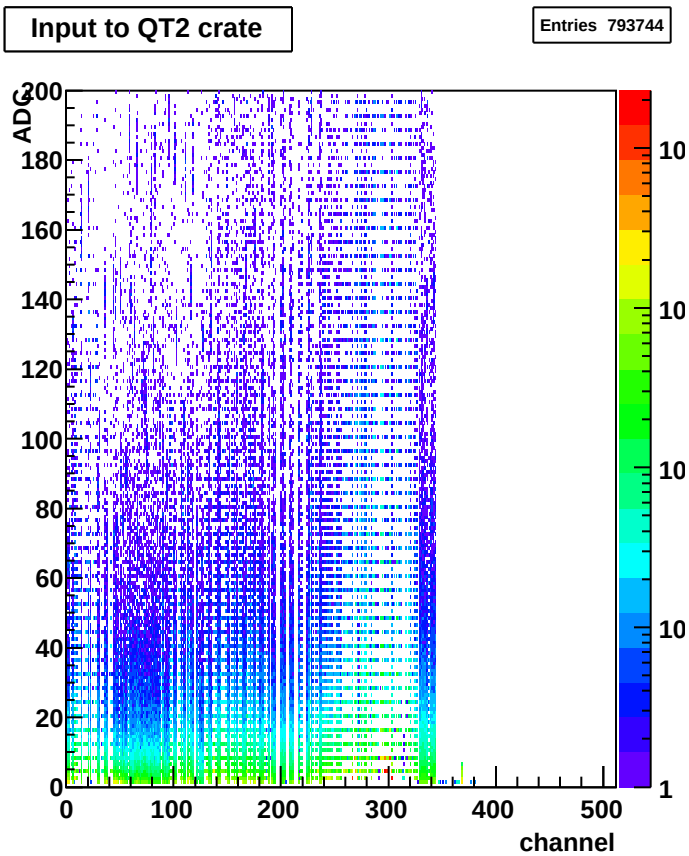

Entries 52944
BBC-L-East ADC Sum
BBC-L-West ADC Sum

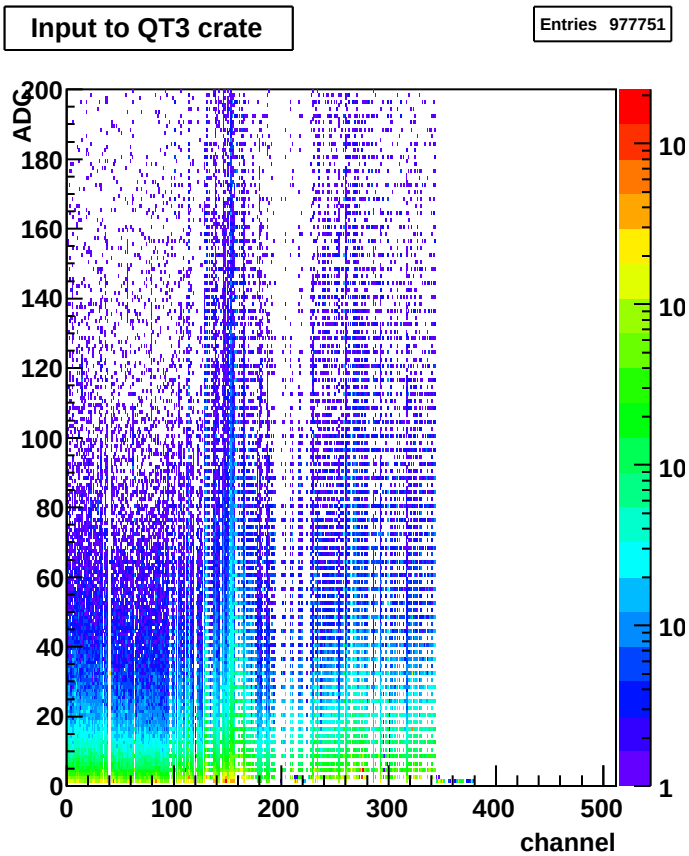

Entries 52944
BBC-S-East ADC Sum
BBC-S-West ADC Sum

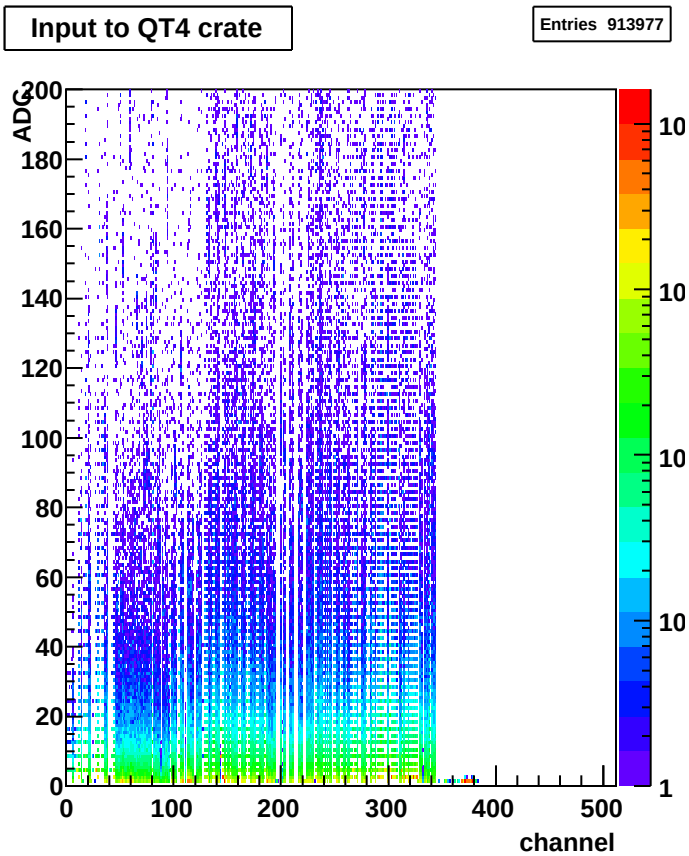

Entries 52944
ZDC East ADC Sum Att
ZDC West ADC Sum Att

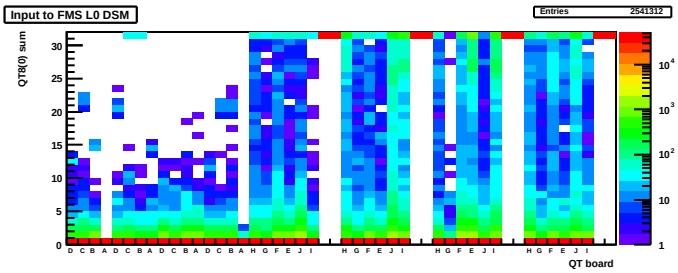

Entries 52944
BBC-L TAC Diff
BCC-S TAC Diff
Entries 52944
BBC-L TAC Diff
VPD TAC Diff
Entries 52944
BBC-L TAC Diff
ZDC TAC Diff
Entries 52944
BBC-S TAC Diff
VPD TAC Diff
Entries 52944
BBC-S TAC Diff
ZDC TAC Diff
Entries 52944
VPD TAC Diff
ZDC TAC Diff

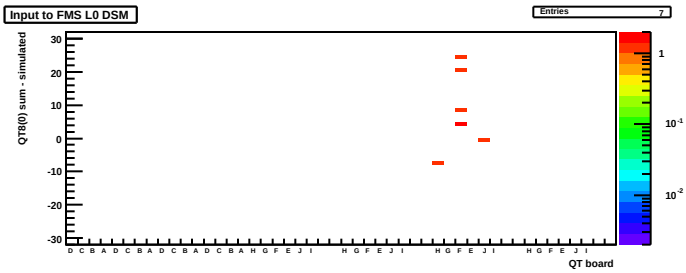

Input to QT1 crate
Entries1217557
ADC
channel

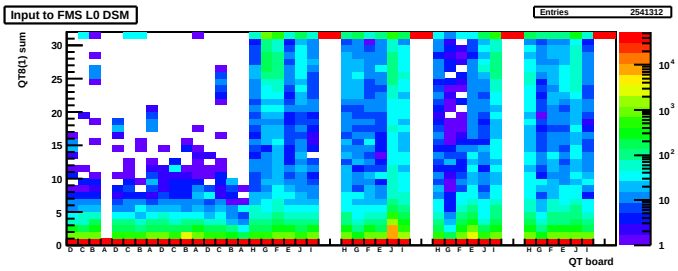

Input to QT2 crate
Entries 793744
ADC
channel

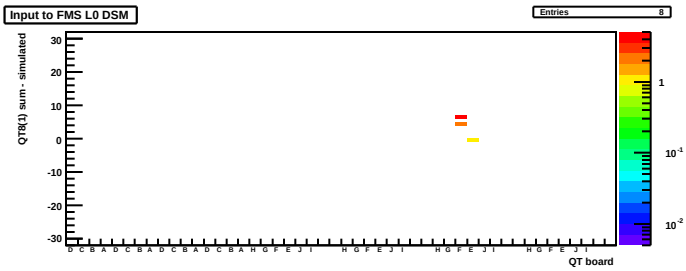

Input to QT3 crate
Entries 977751
ADC
channel

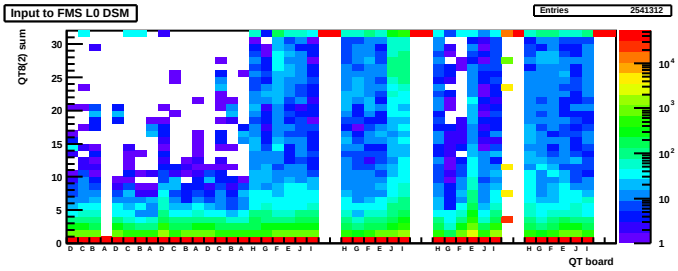

Input to QT4 crate
Entries 913977
ADC
channel

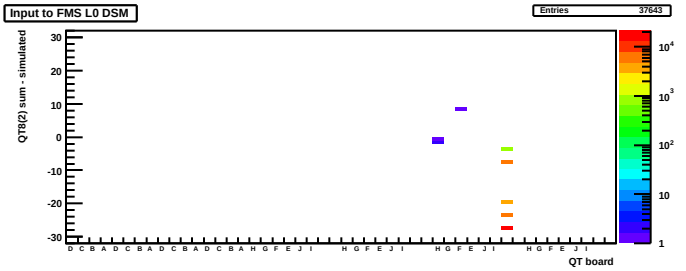

Input to FMS L0 DSM
Entries 2541312
QT8(0) sum
QT board

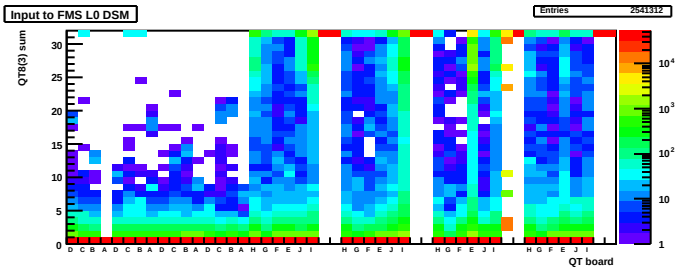

Input to FMS L0 DSM
Entries 7
QT8(0) sum - simulated
QT board

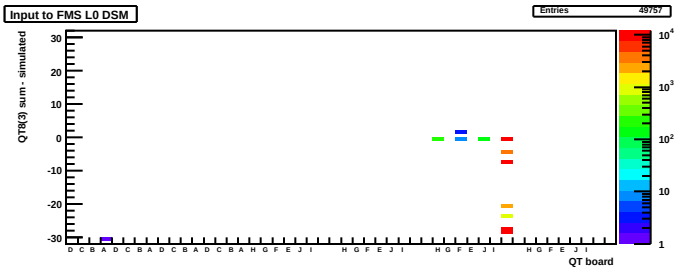

Input to FMS L0 DSM
Entries 2541312
QT8(1) sum
QT board

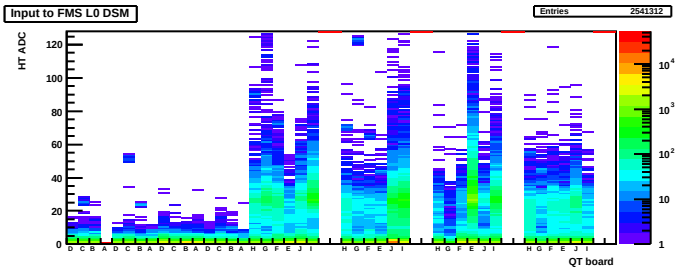

Input to FMS L0 DSM
Entries 8
QT8(1) sum - simulated
QT board

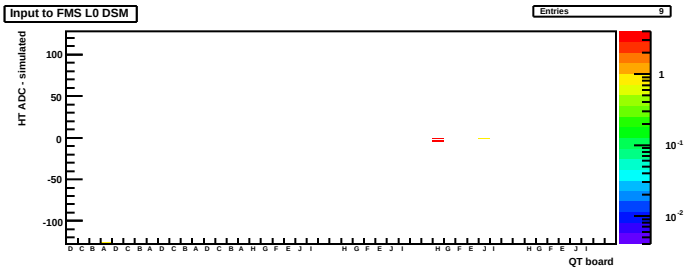

Input to FMS L0 DSM
Entries 2541312
QT8(2) sum
QT board

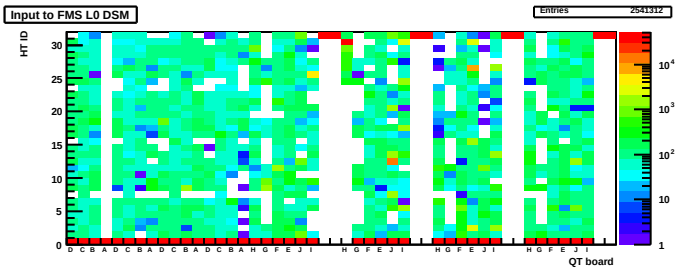

Input to FMS L0 DSM
Entries 37643
QT8(2) sum - simulated
QT board

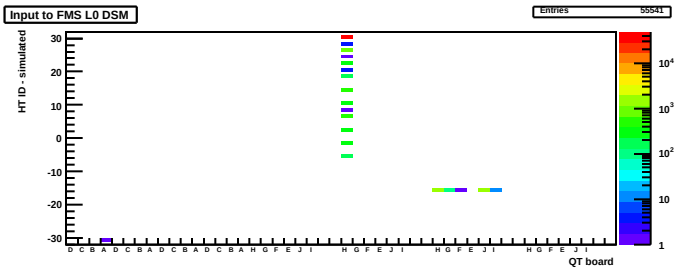

Input to FMS L0 DSM
Entries 2541312
QT8(3) sum
QT board

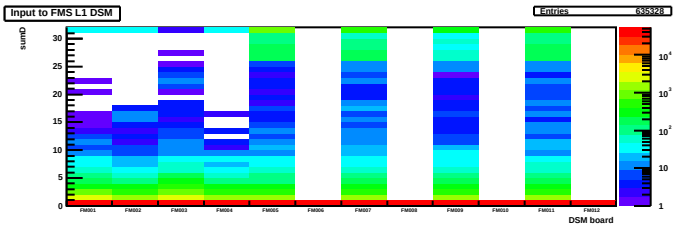

Input to FMS L0 DSM
Entries 49757
QT8(3) sum - simulated
QT board

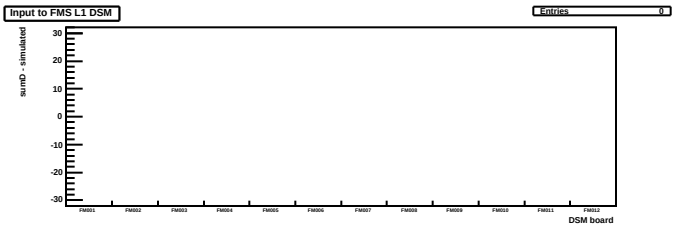

Input to FMS L0 DSM
Entries 2541312
HT ADC
QT board

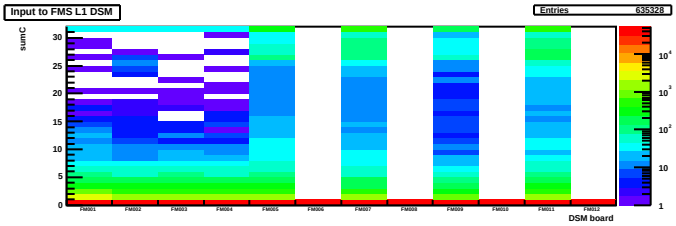

Input to FMS L0 DSM
Entries 9
HT ADC - simulated
QT board

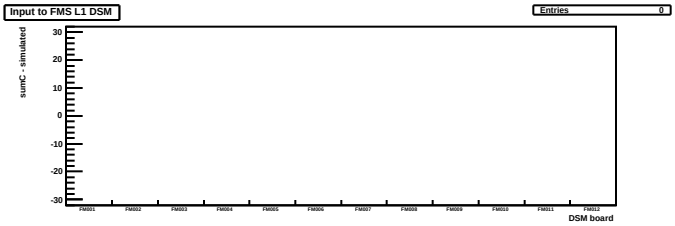

Input to FMS L0 DSM
Entries 2541312
HT ID
QT board

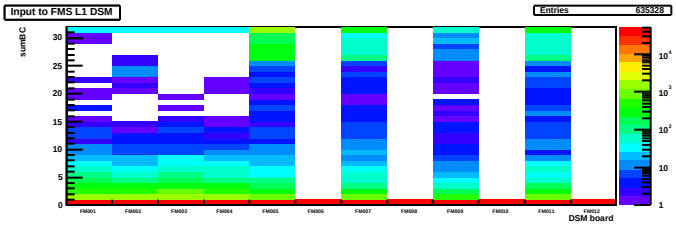

Input to FMS L0 DSM
Entries 55541
HT ID - simulated
QT board

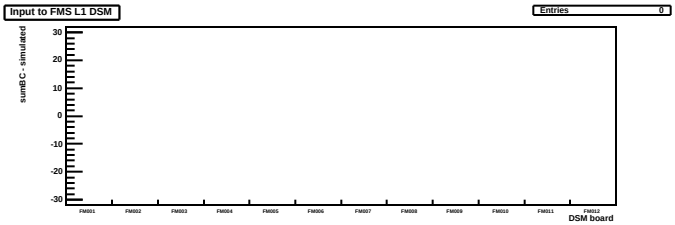

Input to FMS L1 DSM
Entries 635328
sumD
DSM board

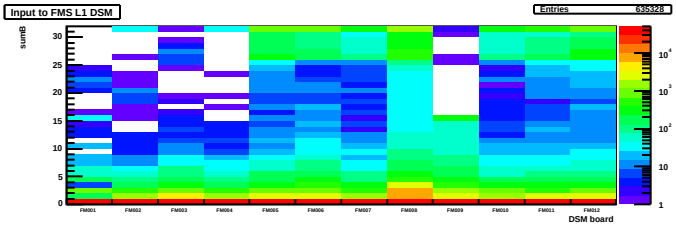

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

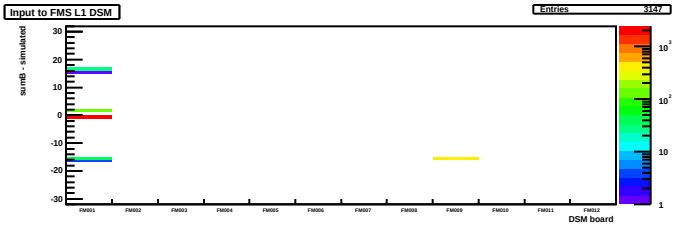

Input to FMS L1 DSM
Entries 635328
sumC
DSM board

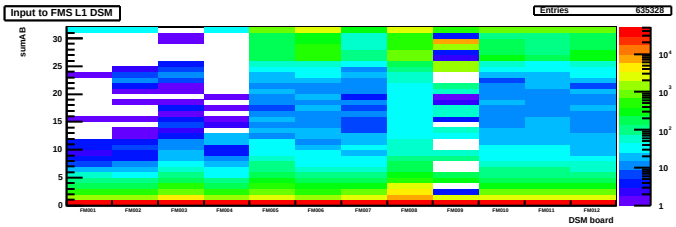

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

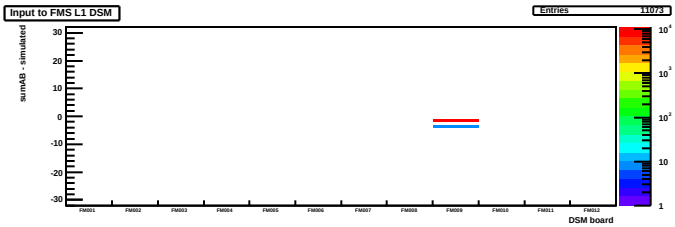

Input to FMS L1 DSM
Entries 635328
sumBC
DSM board

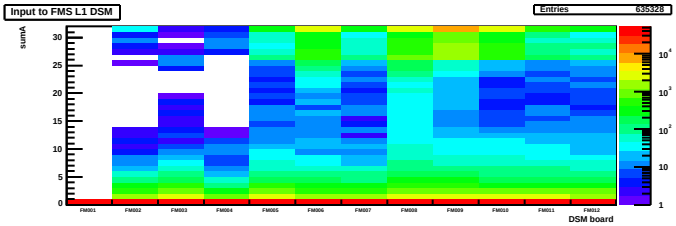

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

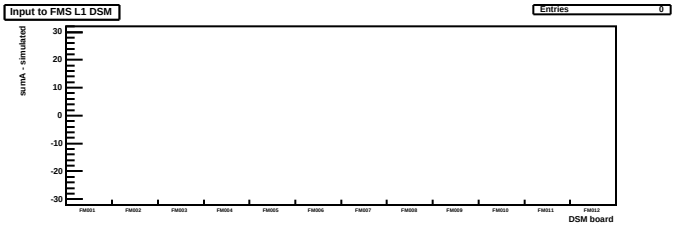

Input to FMS L1 DSM
Entries 635328
sumB
DSM board

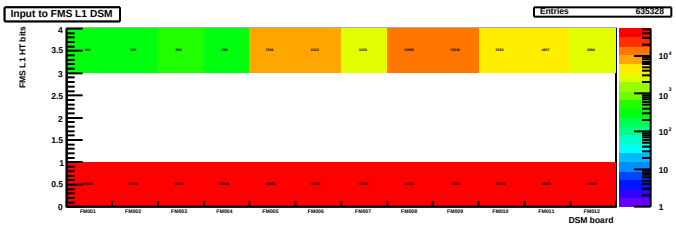

Input to FMS L1 DSM
Entries 3147
sumB - simulated
DSM board

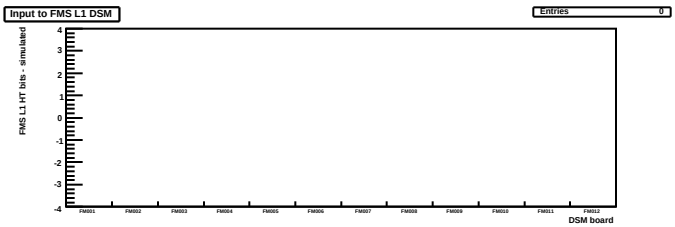

Input to FMS L1 DSM
Entries 635328
sumAB
DSM board

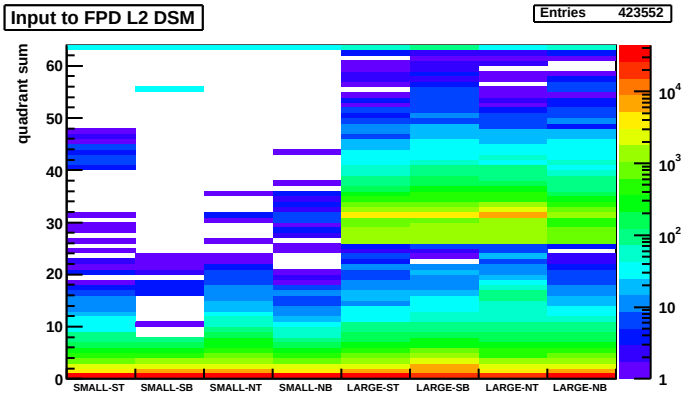

Input to FMS L1 DSM
Entries 11073
sumAB - simulated
DSM board

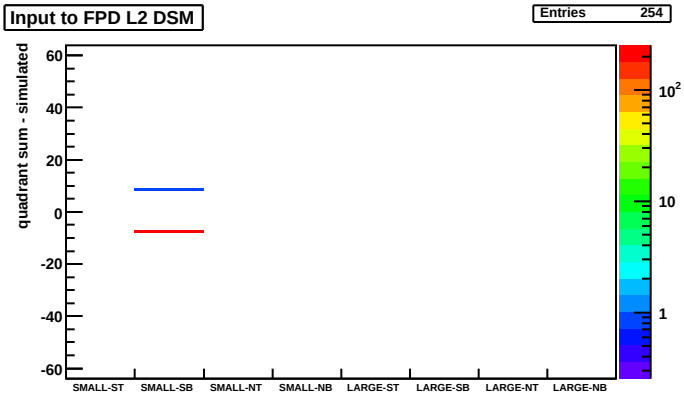

Input to FMS L1 DSM
Entries 635328
sumA
DSM board

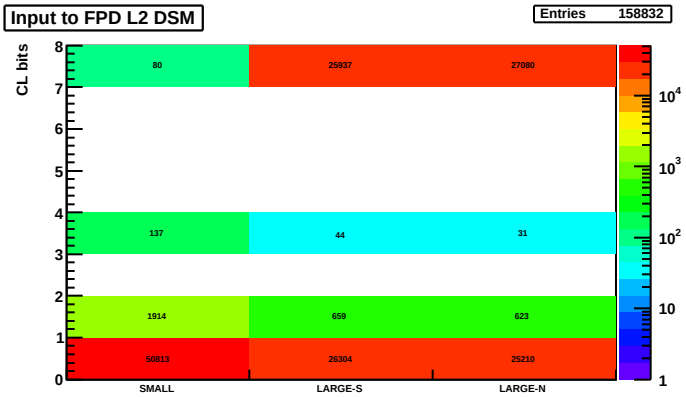

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

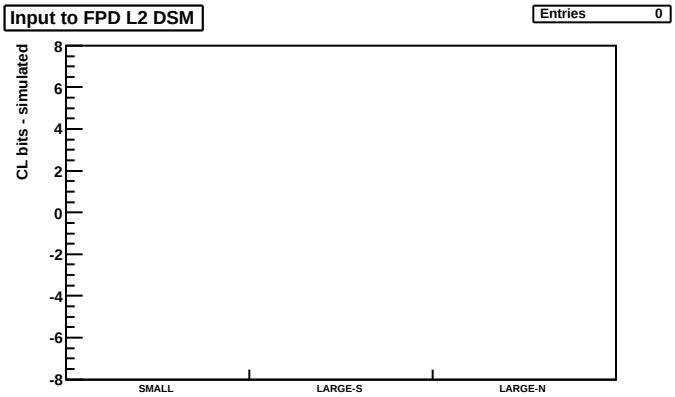

Input to FMS L1 DSM
Entries 635328
FMS L1 HT bits
DSM board

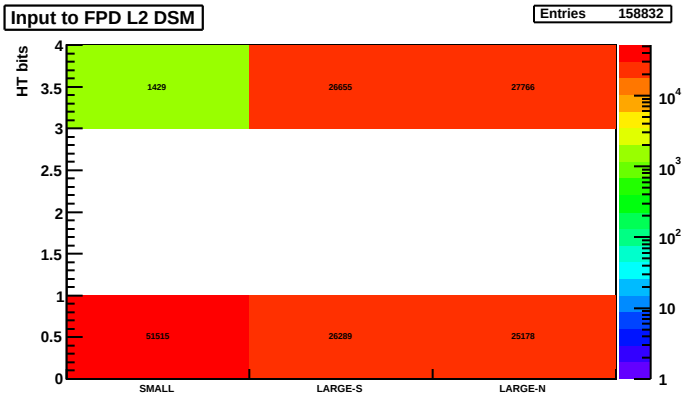

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

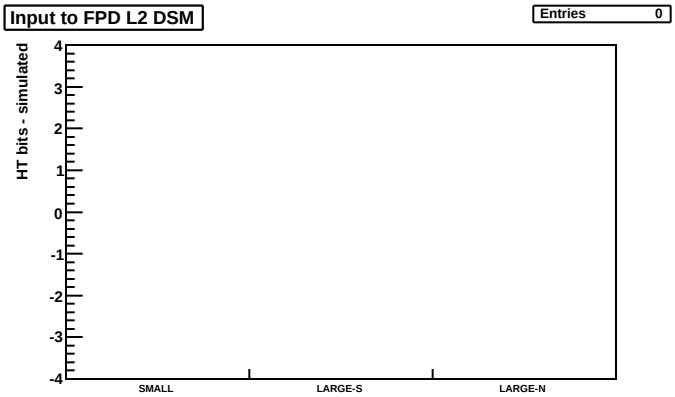

Input to FPD L2 DSM
Entries 423552
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

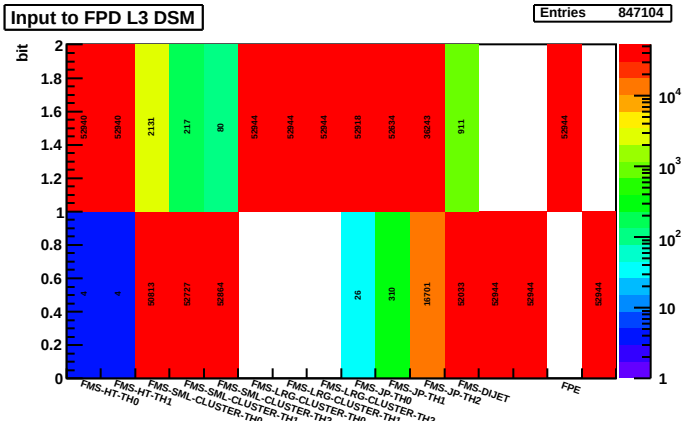

Input to FPD L2 DSM
Entries 254
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

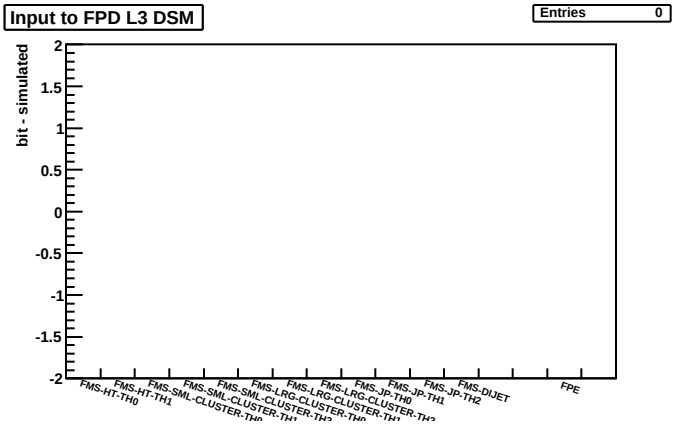

Input to FPD L2 DSM
Entries 158832
CL bits
80
25937
27080
137
44
31
1914
659
623
50813
26304
25210
SMALL
LARGE-S
LARGE-N

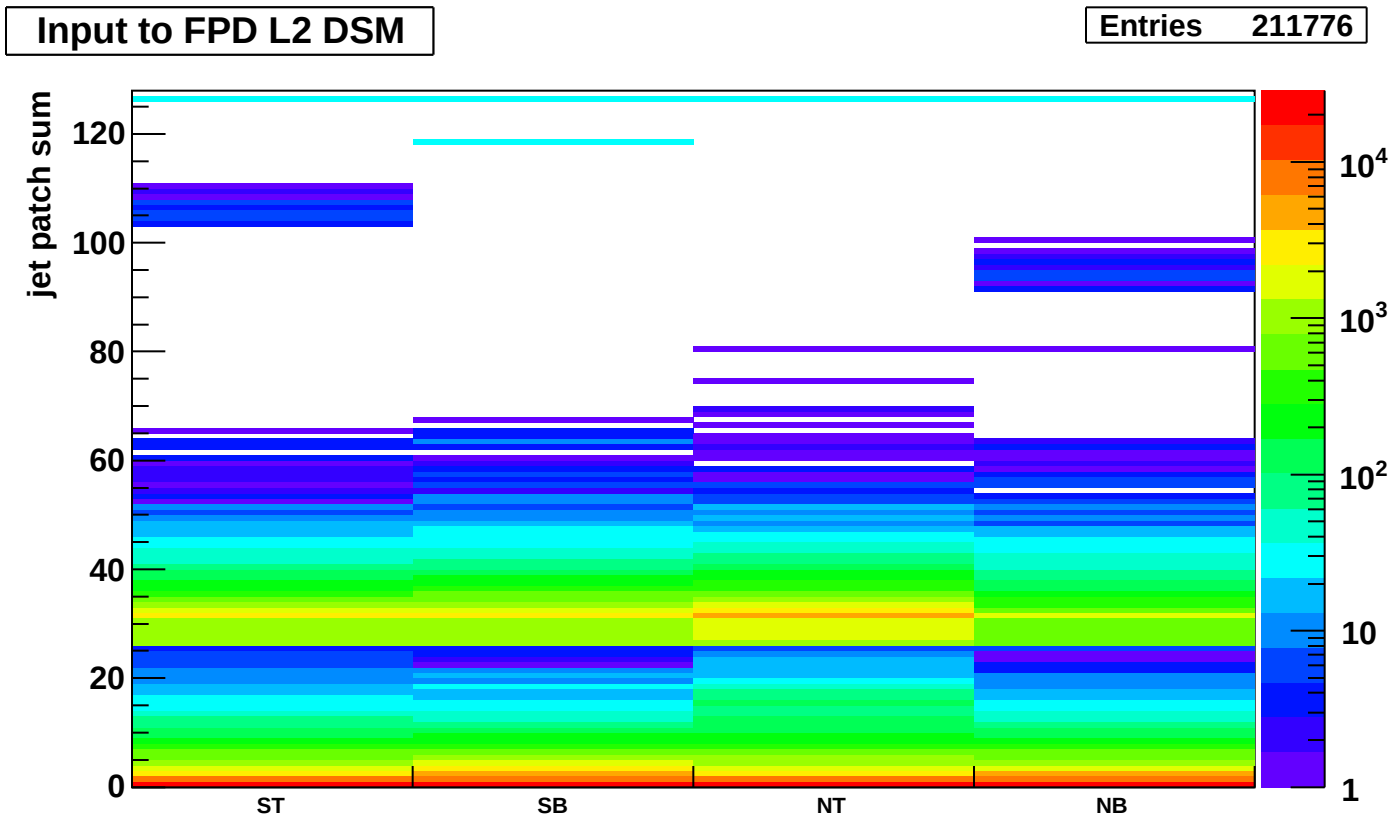

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

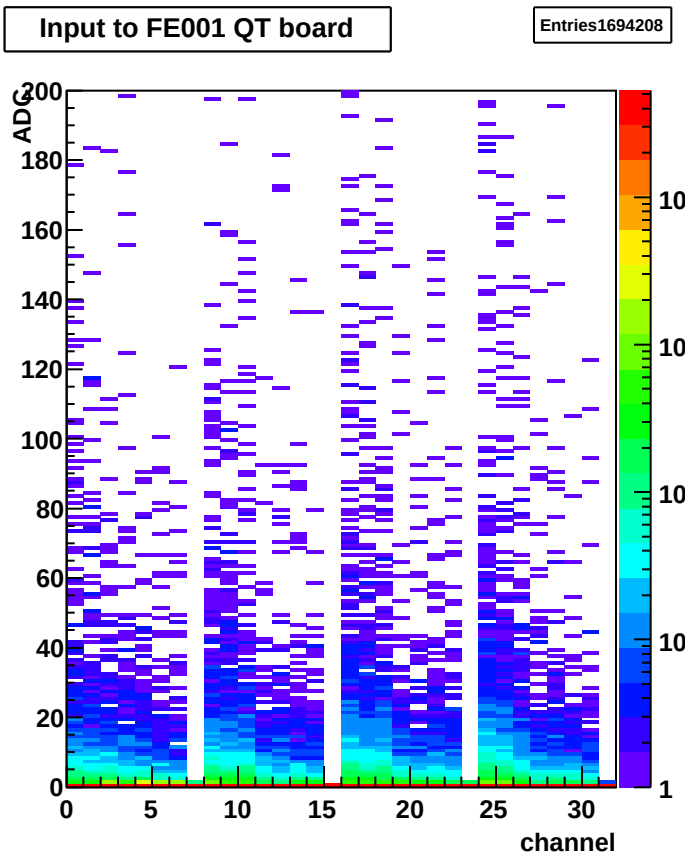

Input to FPD L2 DSM
Entries 158832
HT bits
1429
26655
27766
51515
26289
25178
SMALL
LARGE-S
LARGE-N

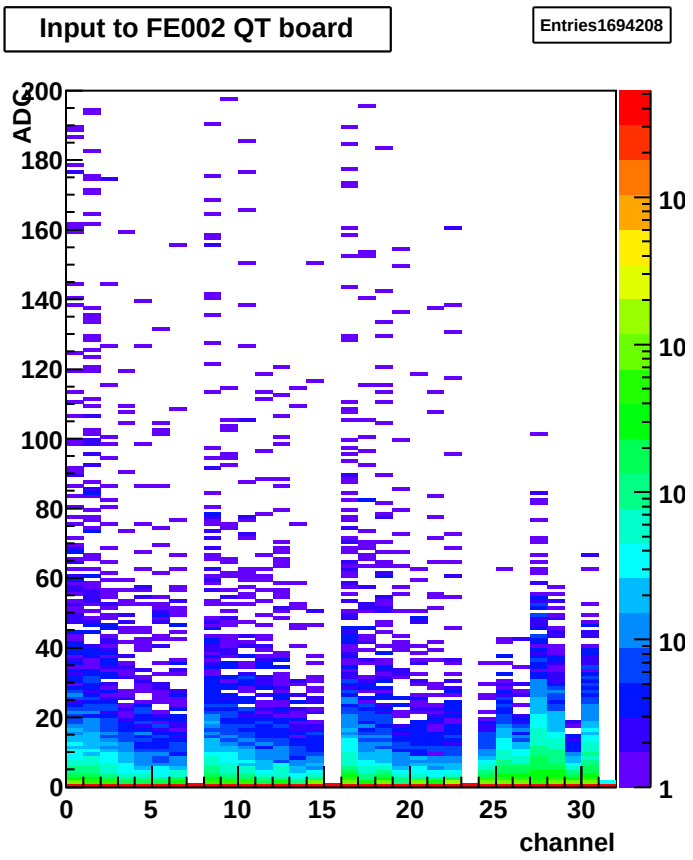

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

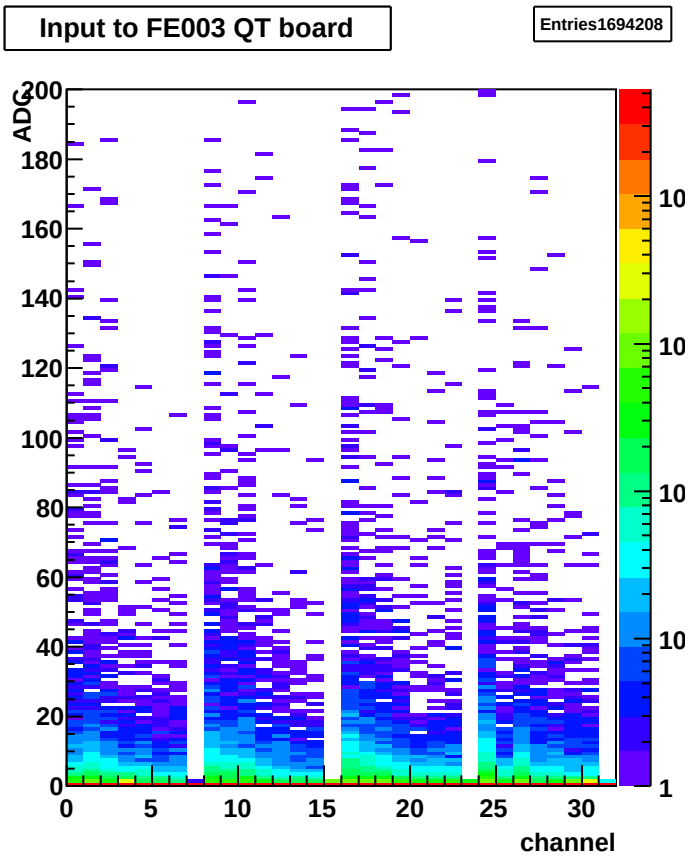

Input to FPD L3 DSM
Entries 847104
bit
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

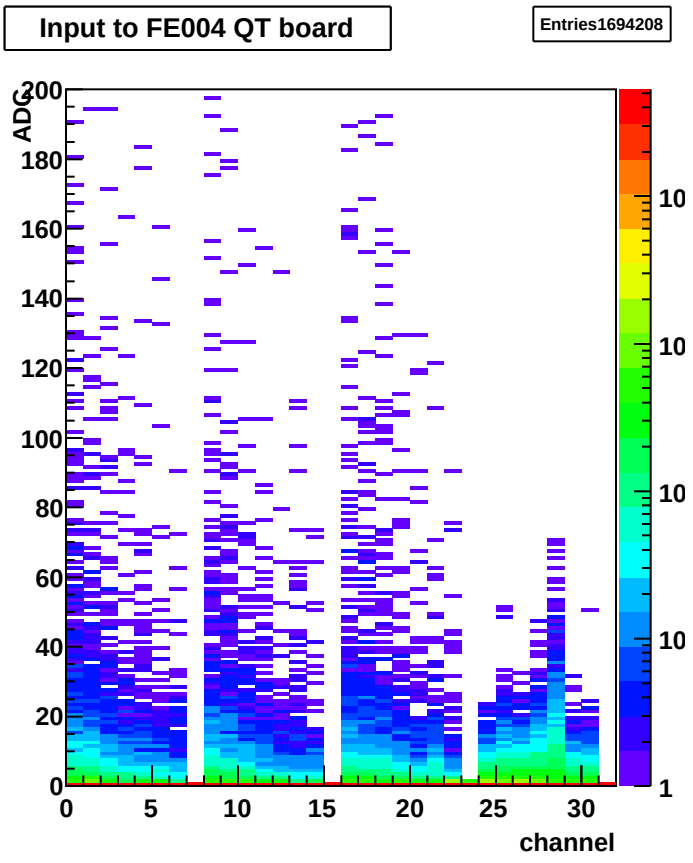

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

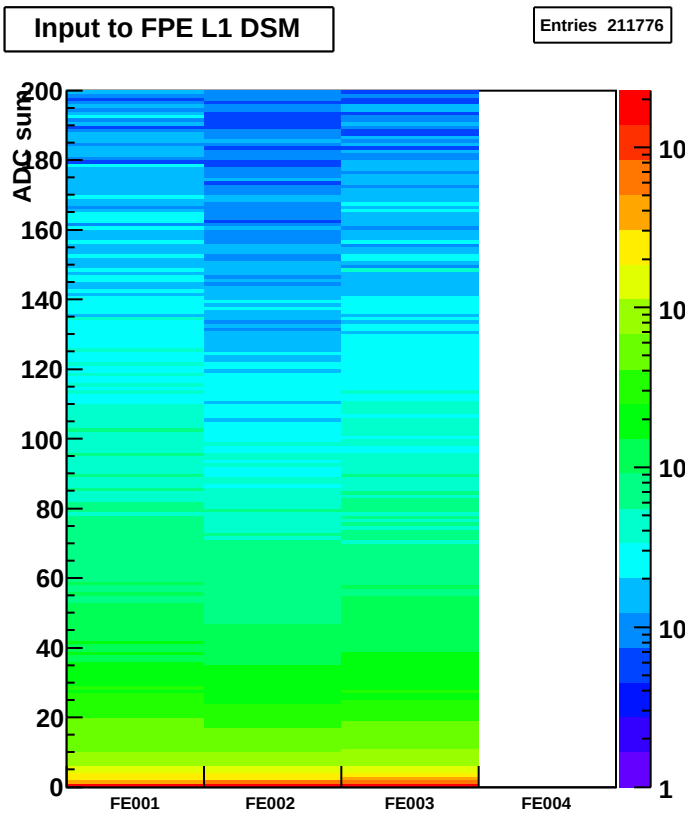

Input to FPD L2 DSM
Entries 211776
jet patch sum
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

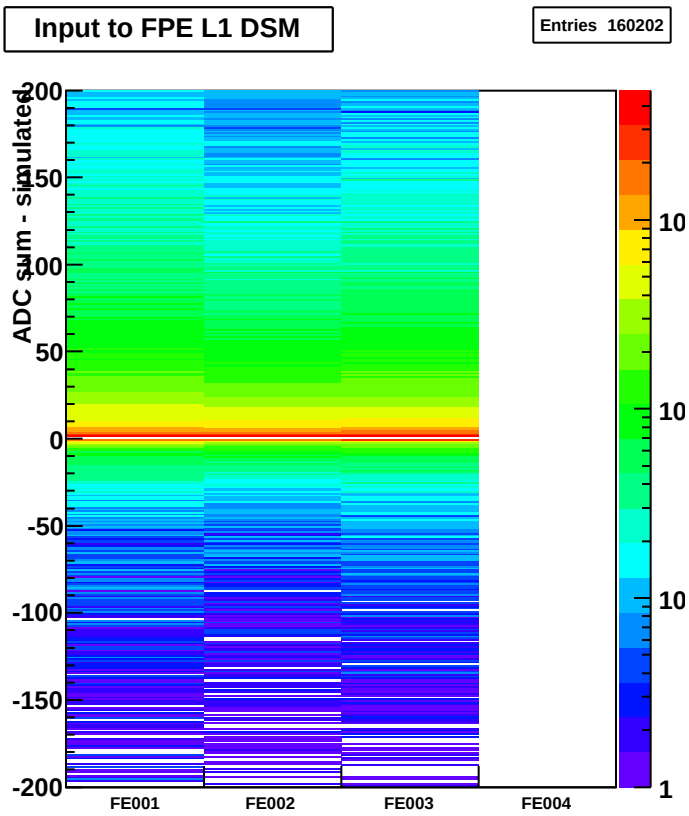

Input to FE001 QT board
Entries1694208
ADC
channel

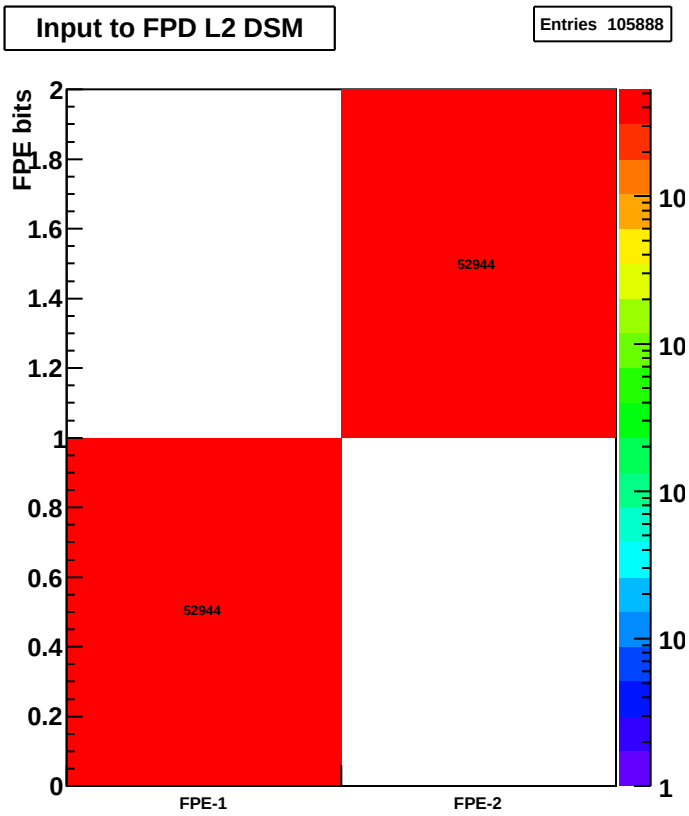

Input to FE002 QT board
Entries1694208
ADC
channel

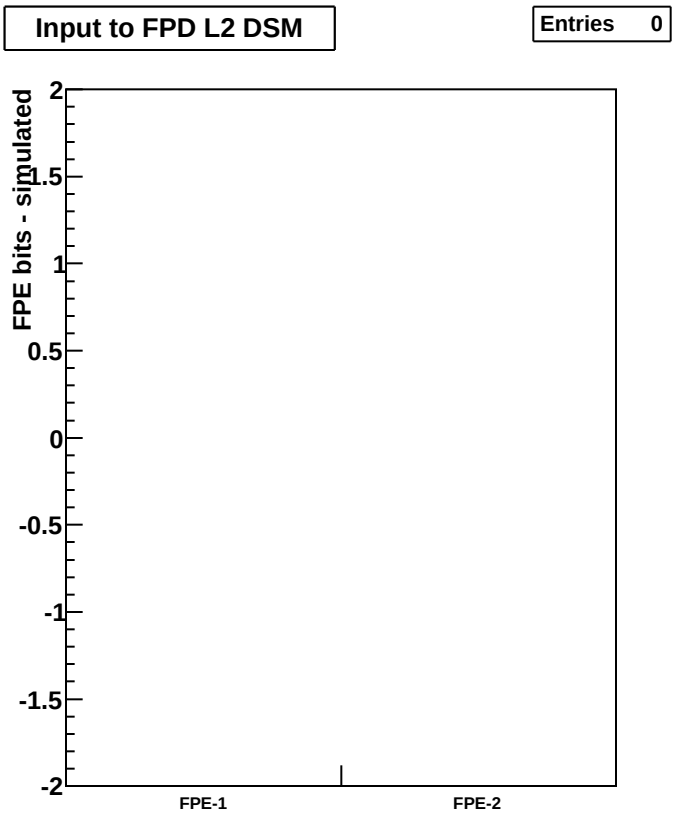

Input to FE003 QT board
Entries1694208
ADC
channel


Input to FE004 QT board
Entries1694208
ADC
channel


Input to FPE L1 DSM
Entries 211776
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 160202
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 105888
FPE bits
52944
52944
FPE-1
FPE-2


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