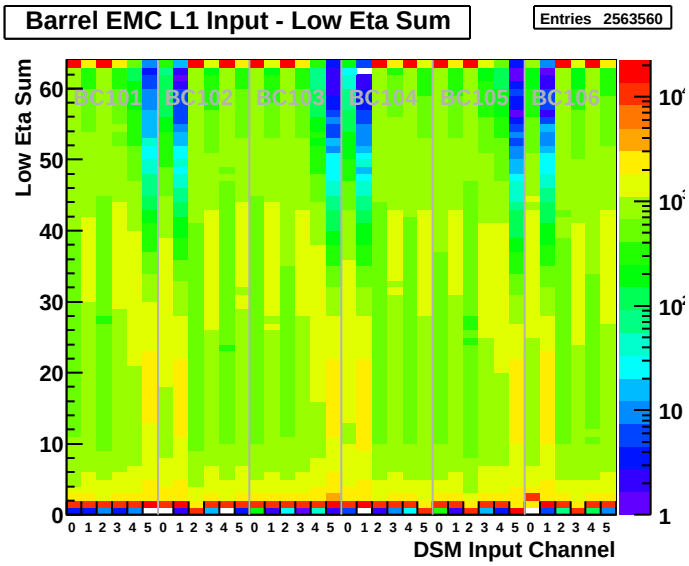
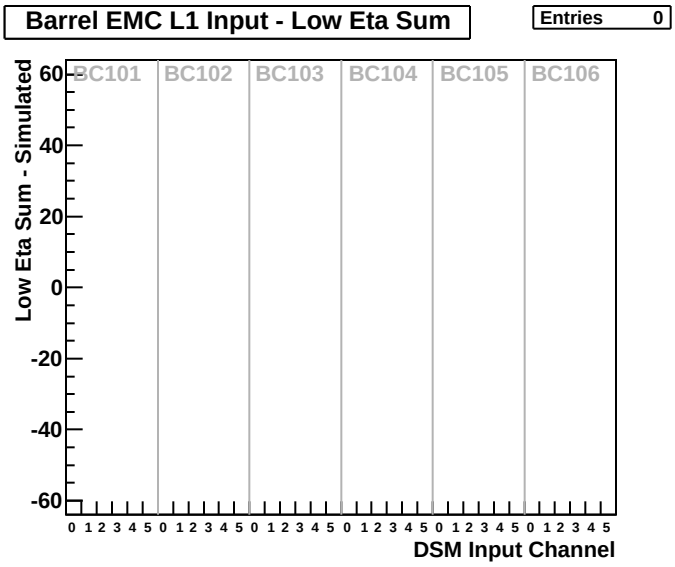
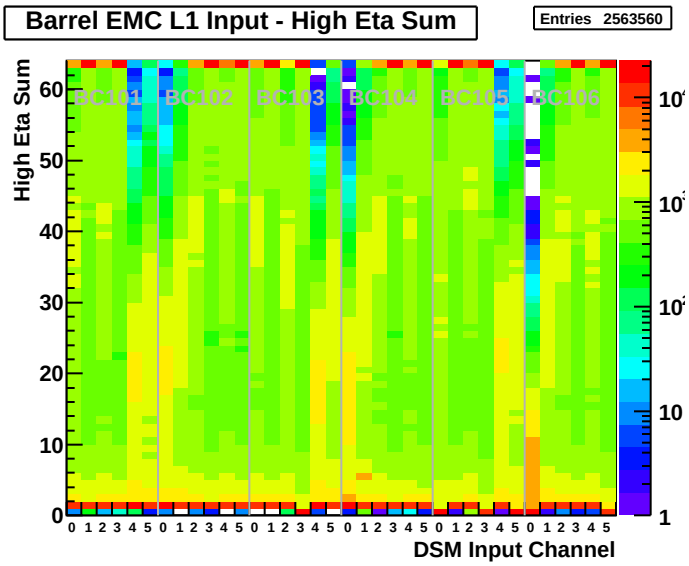
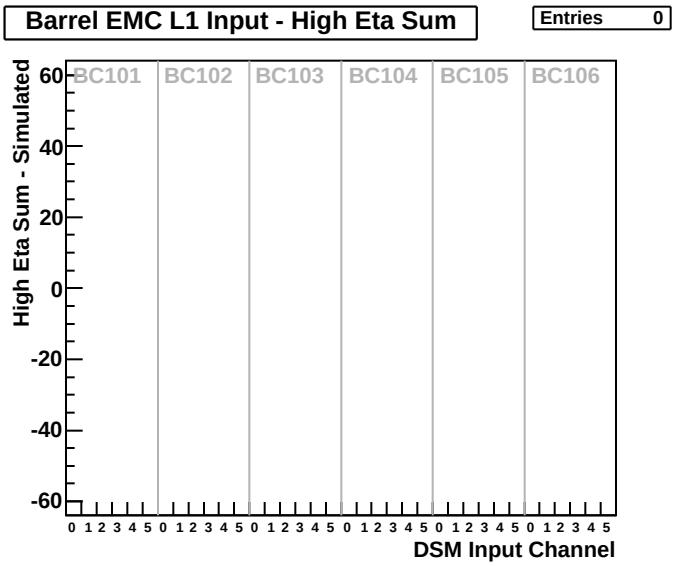
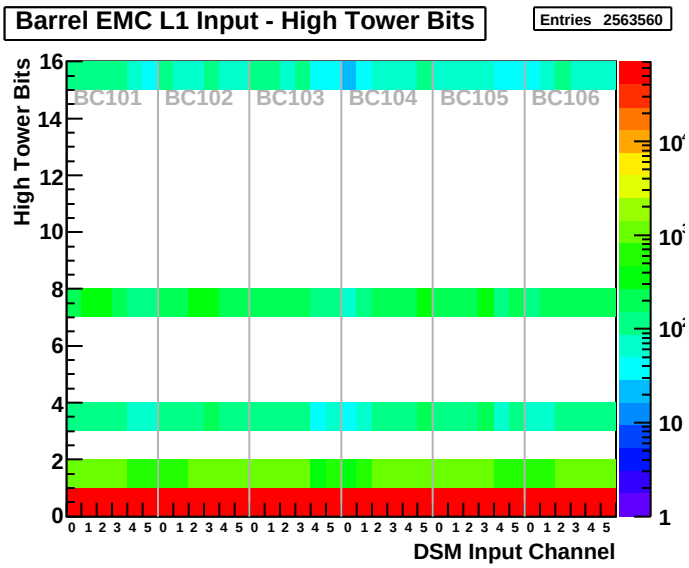
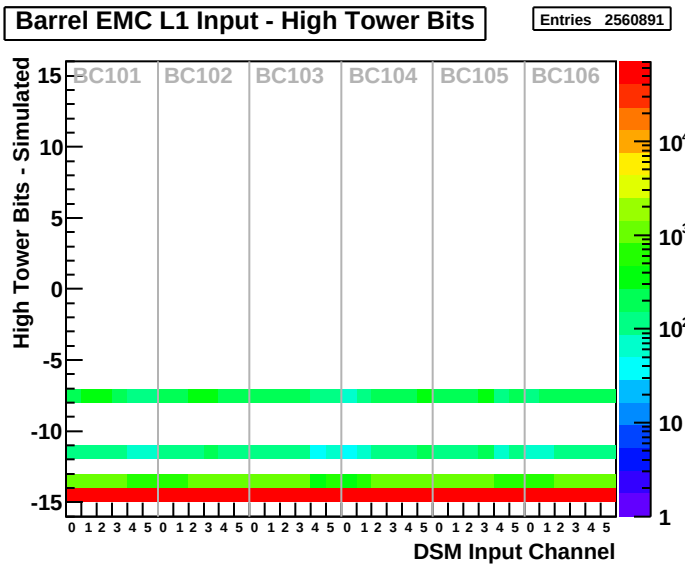

Barrel EMC L1 Input - Low Eta Sum
Entries 2563560
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

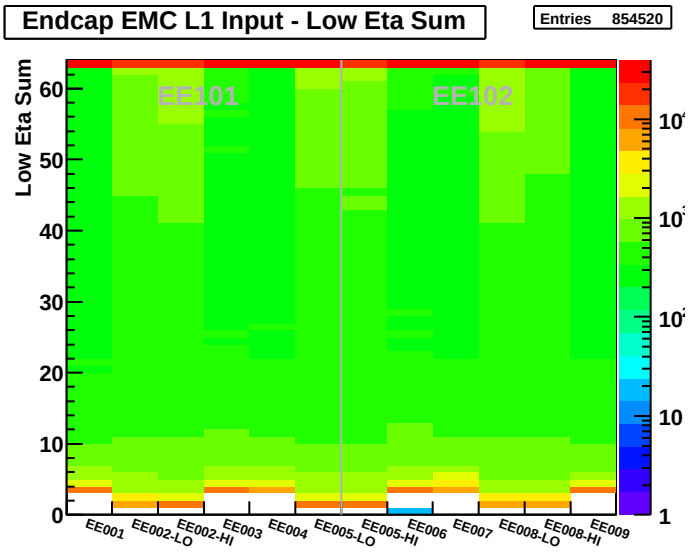

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

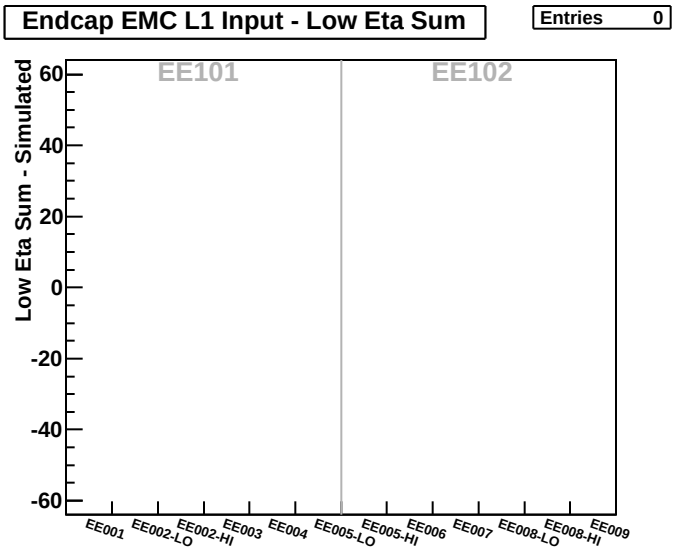

Barrel EMC L1 Input - High Eta Sum
Entries 2563560
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

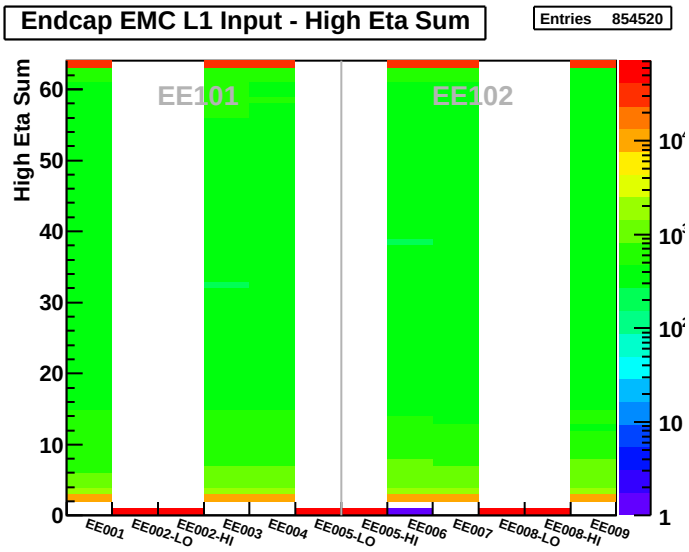

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

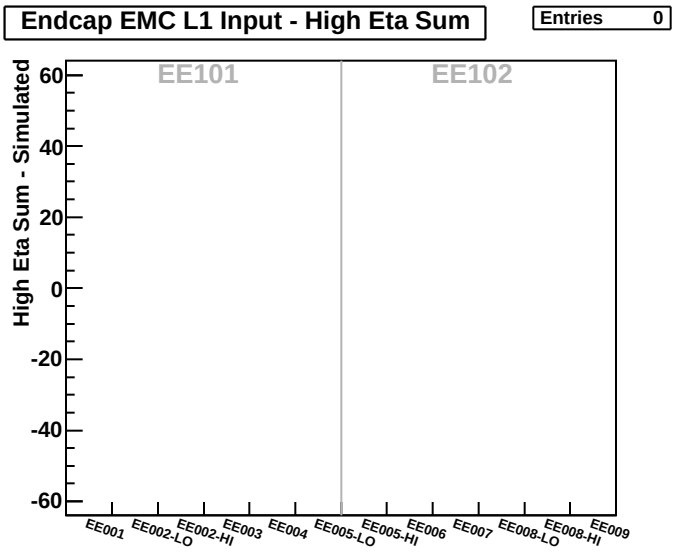

Barrel EMC L1 Input - High Tower Bits
Entries 2563560
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

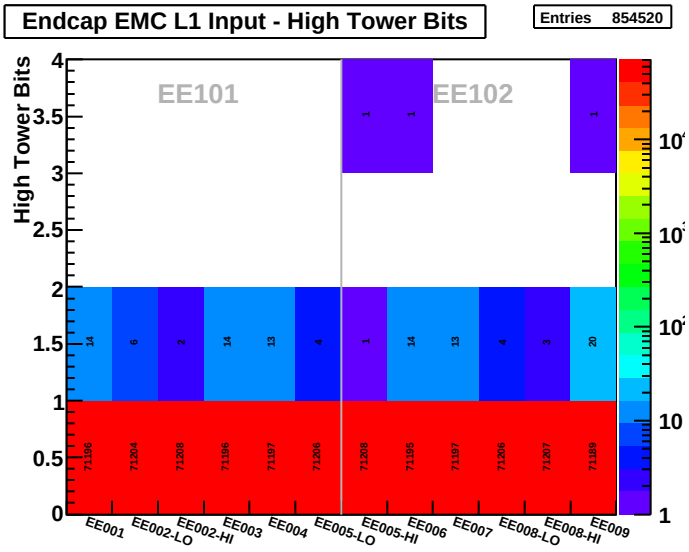

Barrel EMC L1 Input - High Tower Bits
Entries 2560891
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

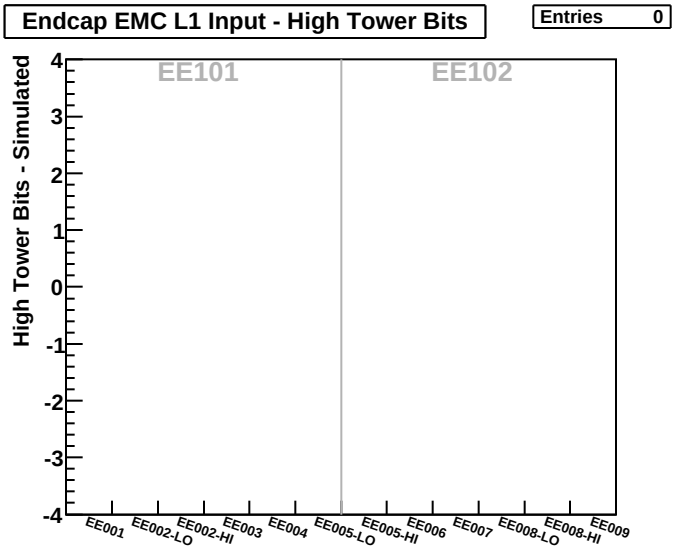

Endcap EMC L1 Input - Low Eta Sum
Entries 854520
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

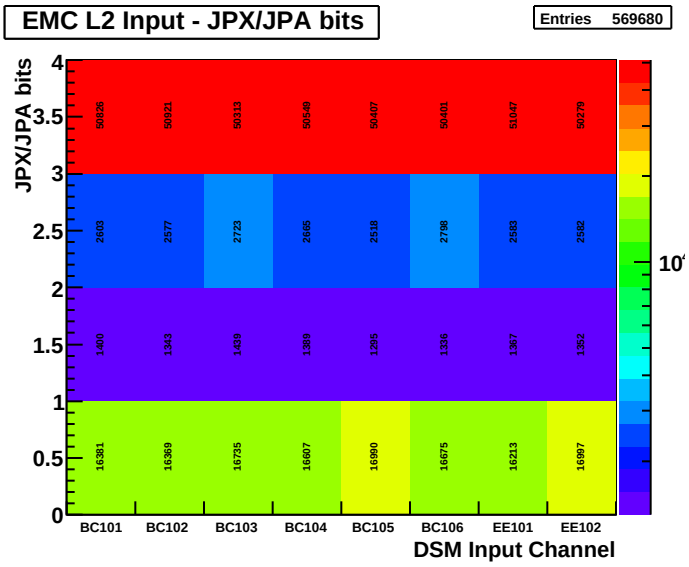

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

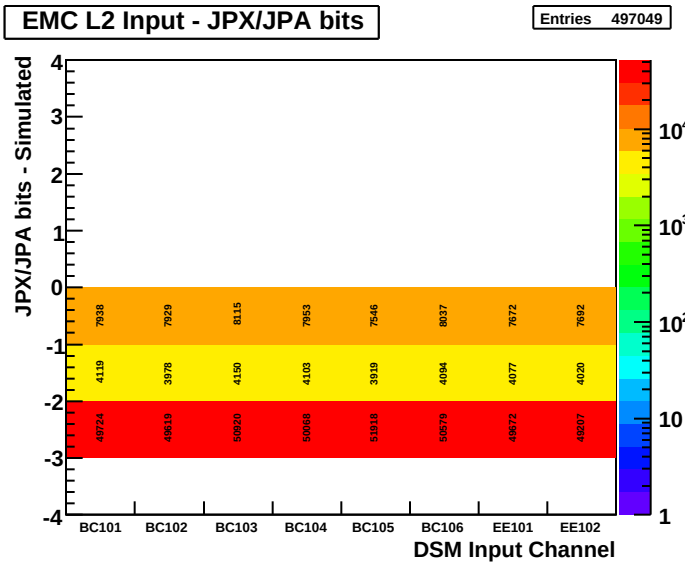

Endcap EMC L1 Input - High Eta Sum
Entries 854520
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

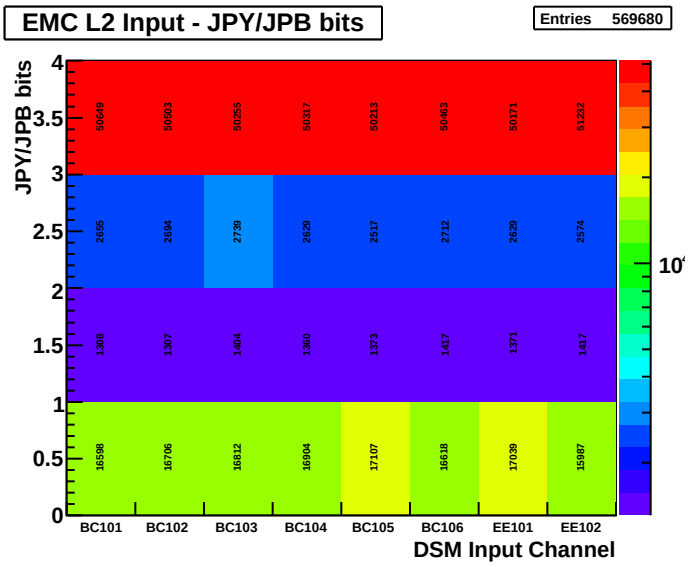

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

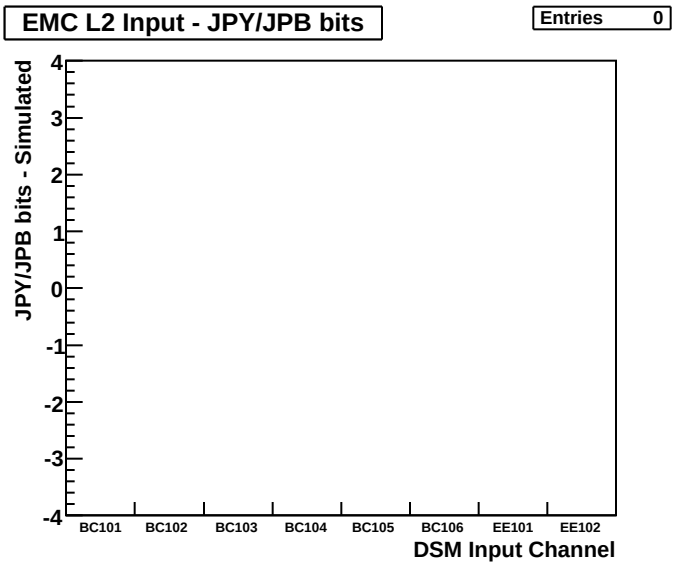

Endcap EMC L1 Input - High Tower Bits
Entries 854520
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

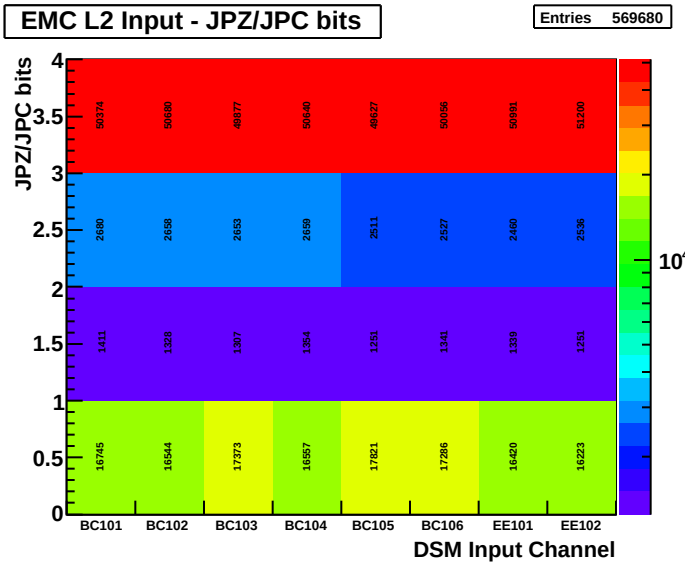

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

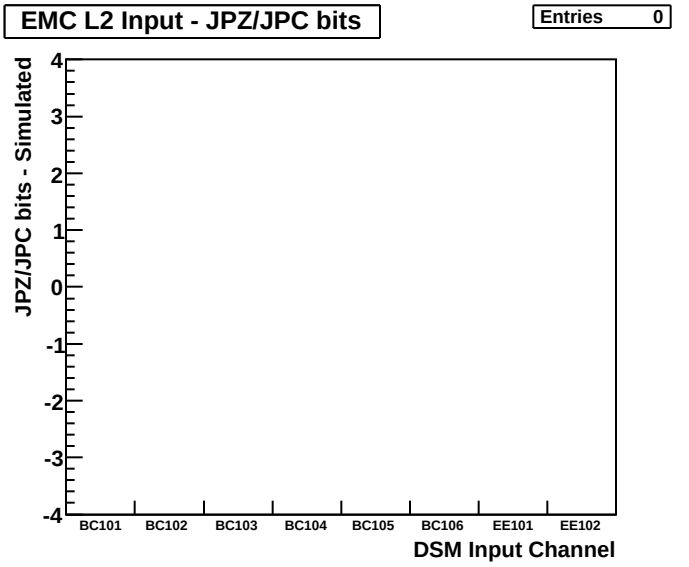

EMC L2 Input - JPX/JPA bits
Entries 569680
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
50826 50921 50313 50549 50407 50401 51047 50279
2603 2577 2723 2665 2518 2798 2583 2582
1400 1343 1439 1389 1295 1336 1367 1352
16381 16369 16735 16607 16990 16675 16213 16997

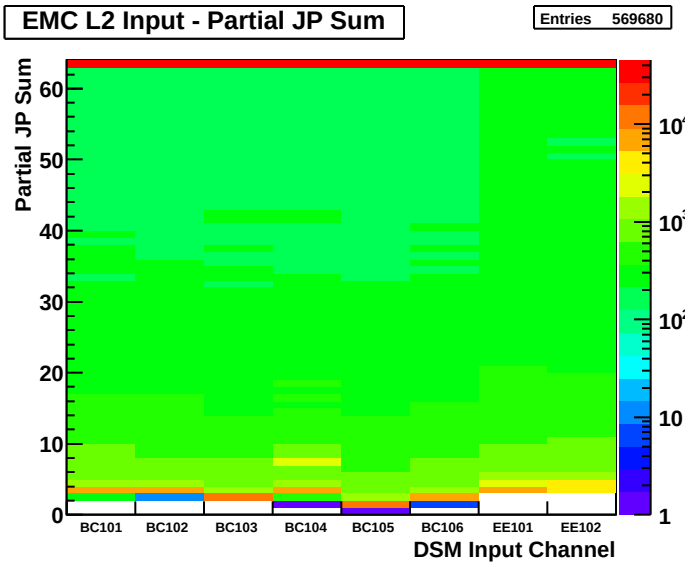

EMC L2 Input - JPX/JPA bits
Entries 497049
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
7938 7929 8115 7953 7546 8037 7672 7692
4119 3978 4150 4103 3919 4094 4077 4020
49724 49619 50920 50068 51918 50579 49672 49207

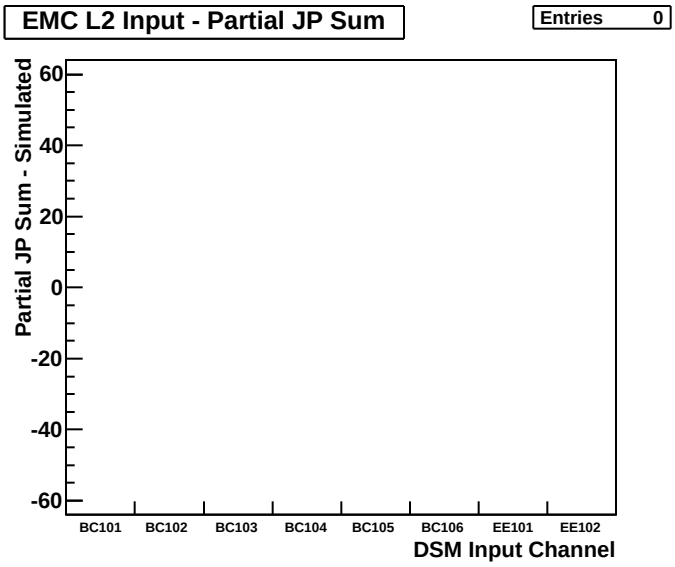

EMC L2 Input - JPY/JPB bits
Entries 569680
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
50649 50503 50255 50317 50213 50463 50171 51232
2655 2694 2739 2629 2517 2712 2629 2574
1308 1307 1404 1360 1373 1417 1371 1417
16598 16706 16812 16904 17107 16618 17039 15987

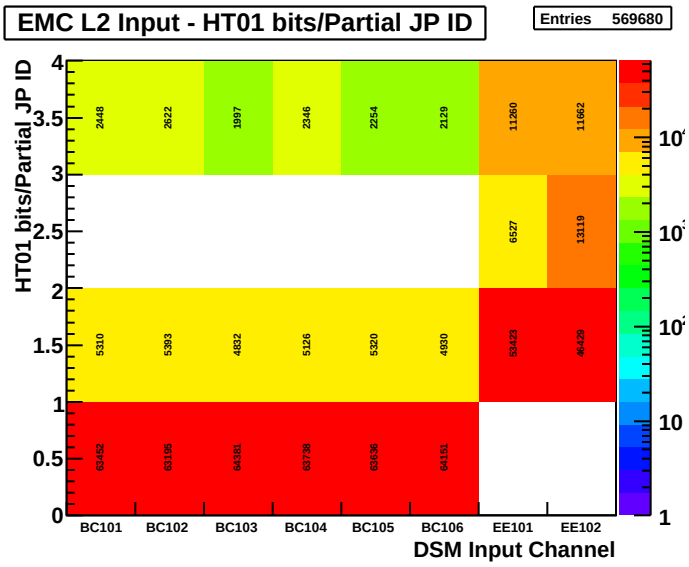

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

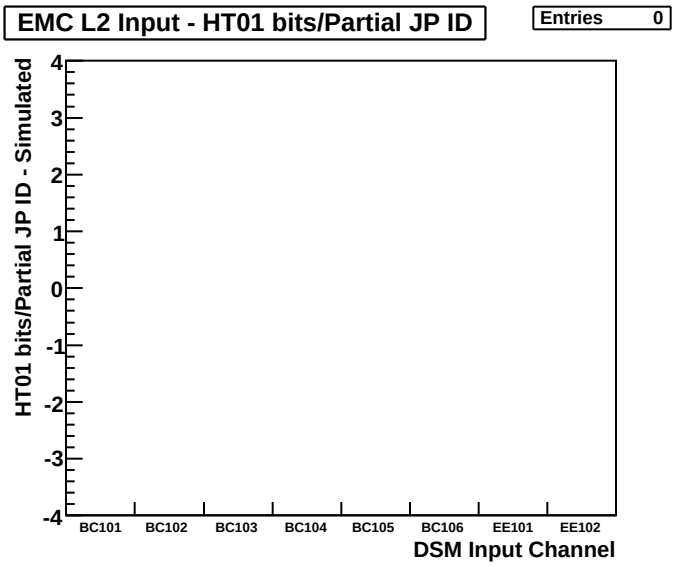

EMC L2 Input - JPZ/JPC bits
Entries 569680
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
50374 50680 49877 50640 49627 50056 50991 51200
2680 2658 2653 2659 2511 2527 2460 2536
1411 1328 1307 1354 1251 1341 1339 1251
16745 16544 17373 16657 17821 17286 16420 16223

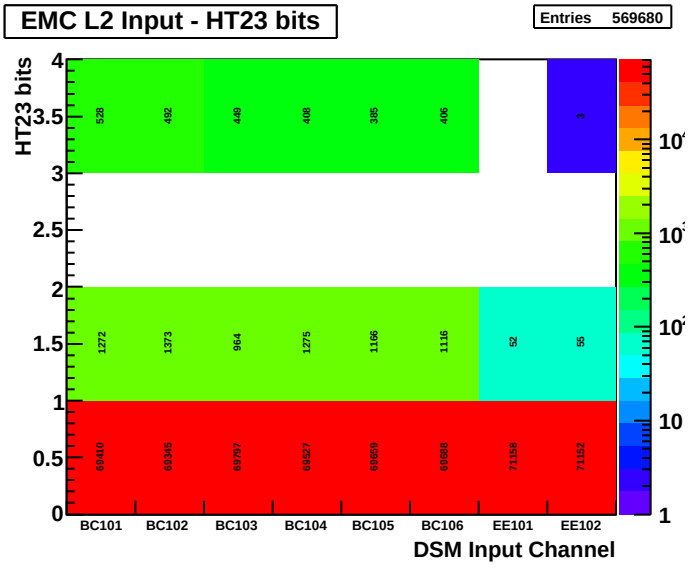

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

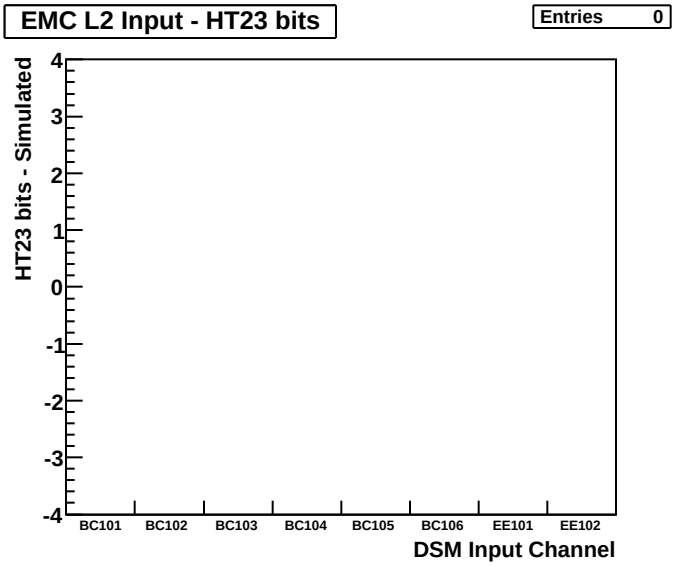

EMC L2 Input - Partial JP Sum
Entries 569680
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

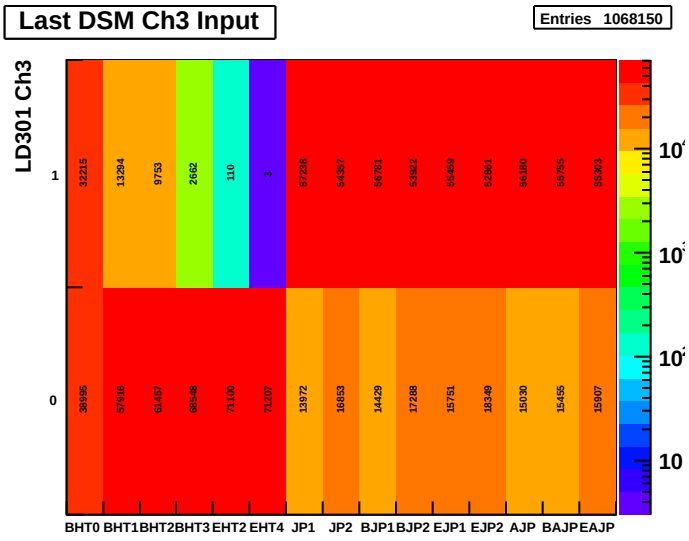

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

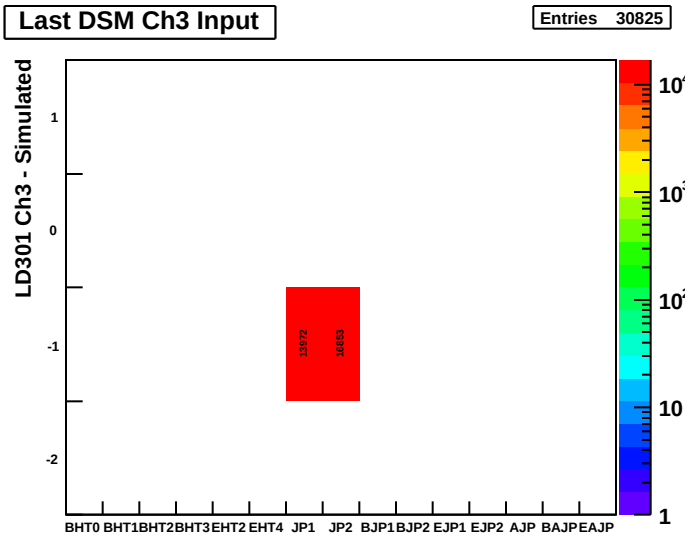

EMC L2 Input - HT01 bits/Partial JP ID
Entries 569680
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

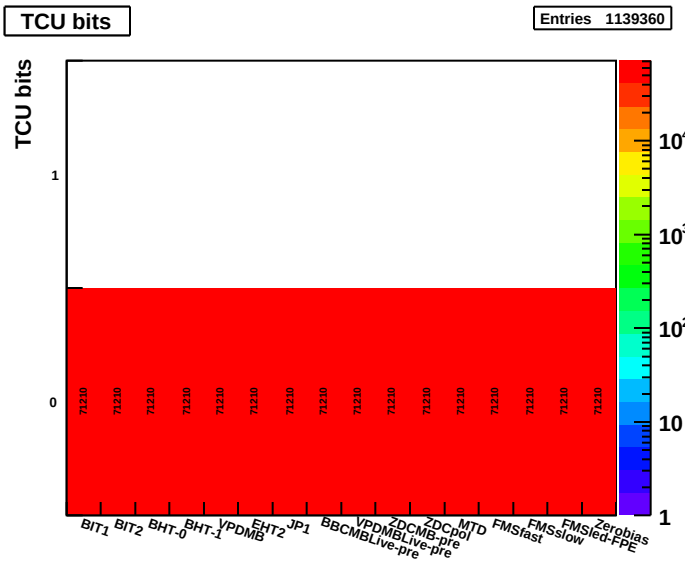

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

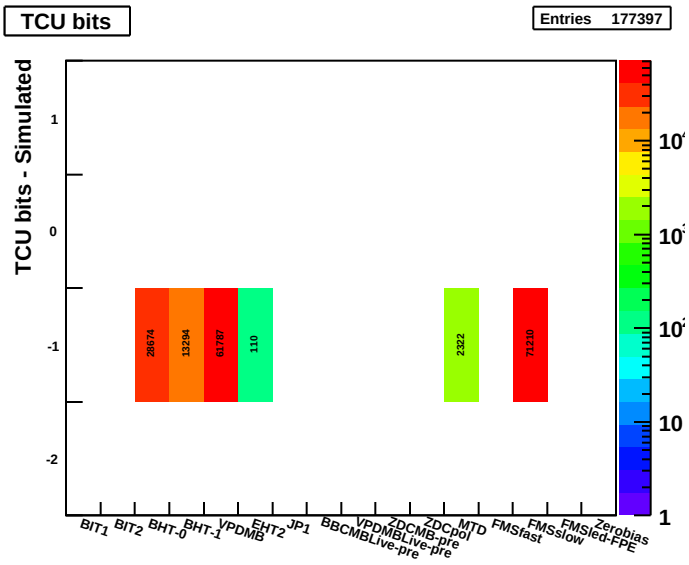

EMC L2 Input - HT23 bits
Entries 569680
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

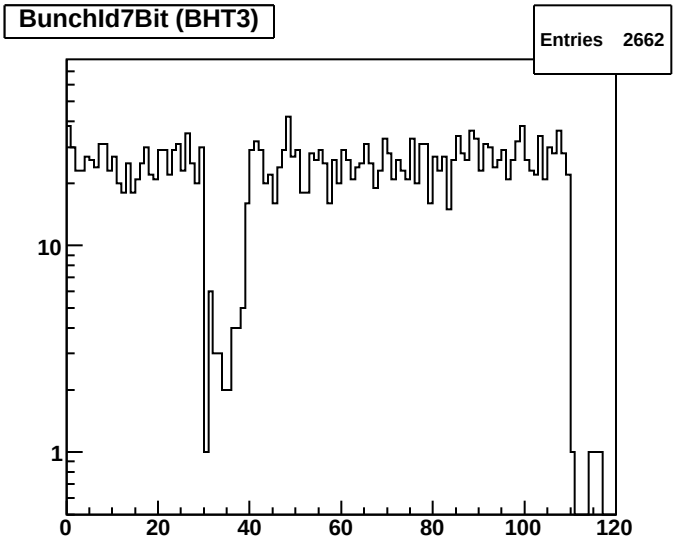

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

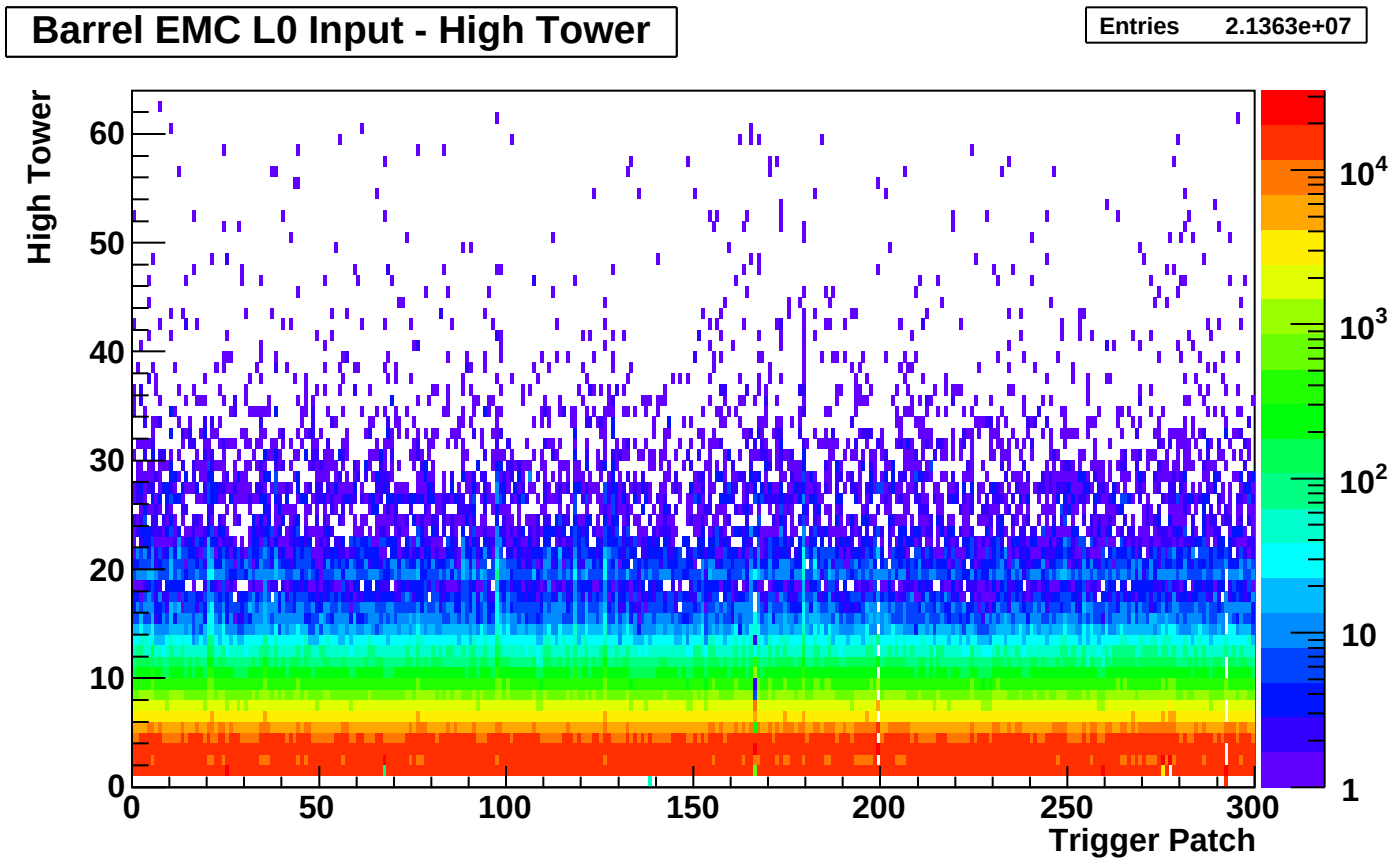

Last DSM Ch3 Input
Entries 1068150
LD301 Ch3
1
0
32215
13294
9753
2662
110
3
57238
54357
56781
53922
55459
52861
56180
55755
55303
38995
57916
61457
68548
71100
71207
13972
16853
14429
17288
15751
18349
15030
15455
15907
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

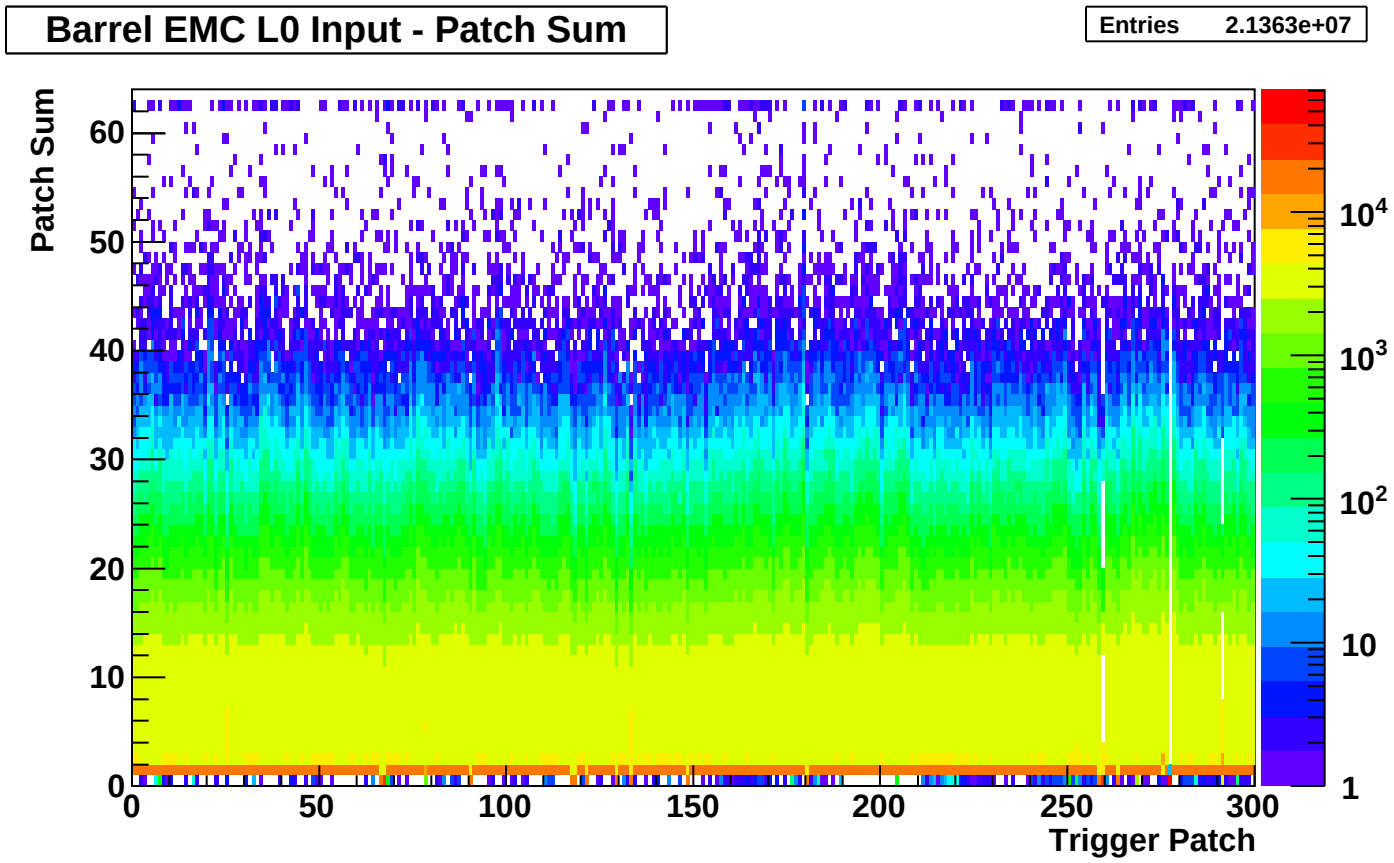

Last DSM Ch3 Input
Entries 30825
LD301 Ch3 - Simulated
1
0
-1
-2
13972
16853
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

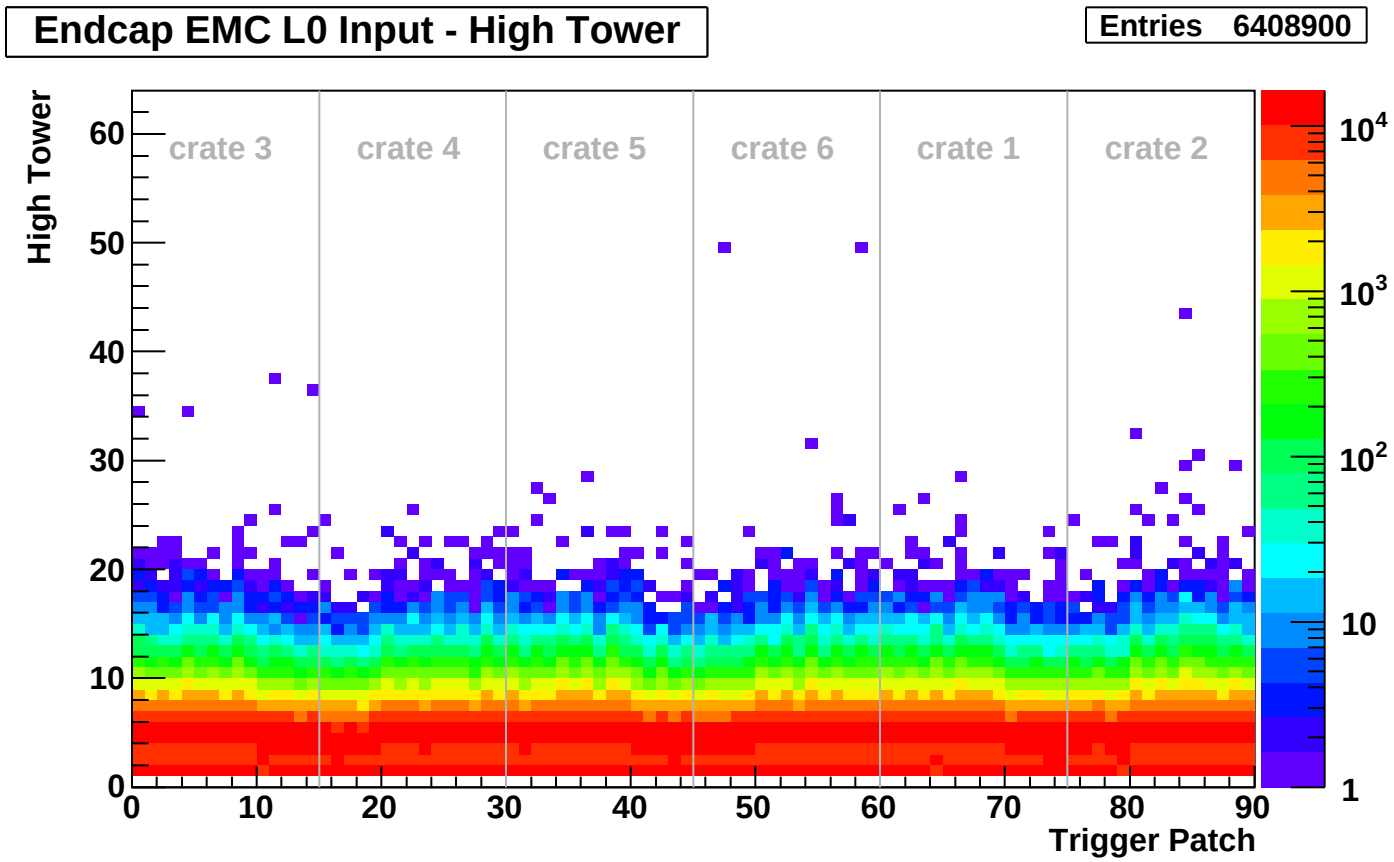

TCU bits
Entries 1139360
TCU bits
1
0
71210
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

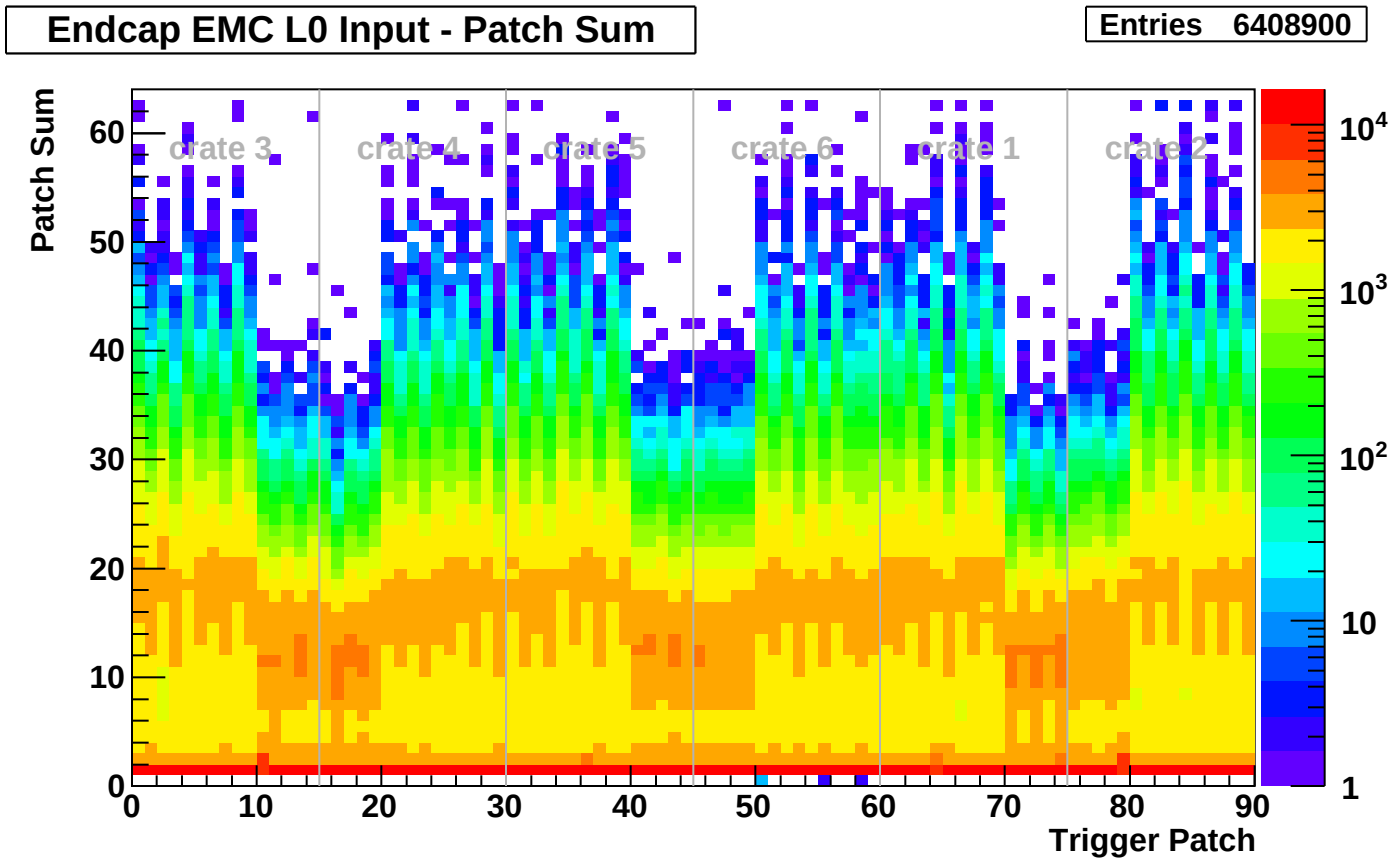

TCU bits
Entries 177397
TCU bits - Simulated
1
0
-1
-2
28674
13294
61787
110
2322
71210
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

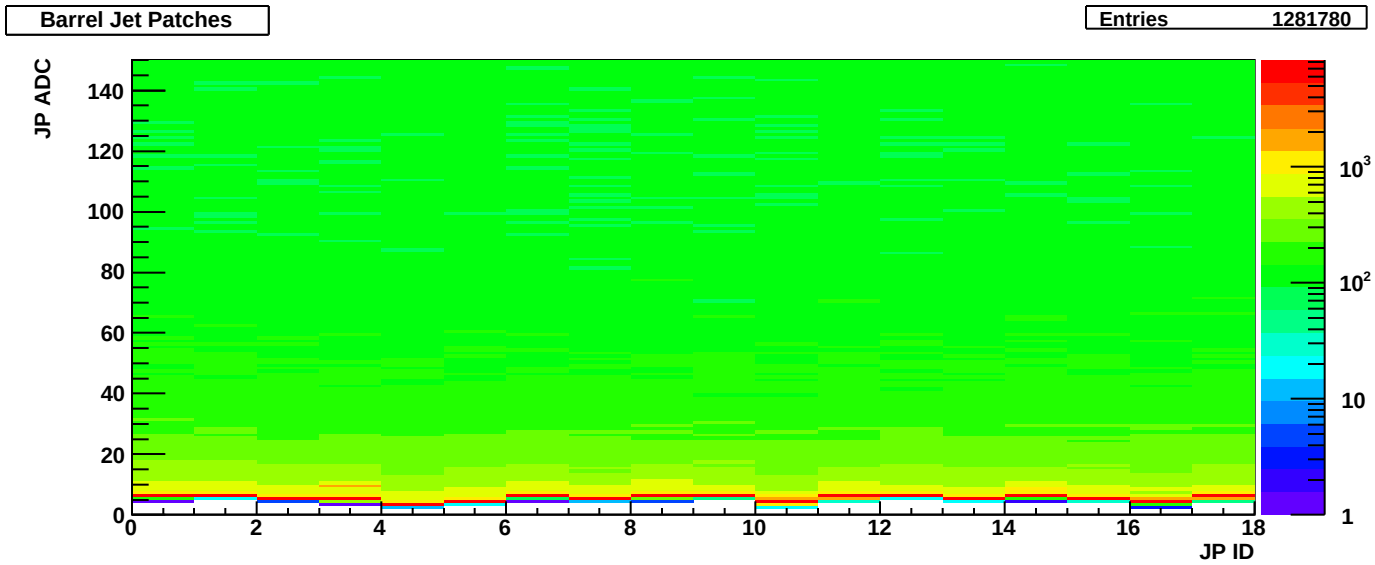

BunchId7Bit (BHT3)
Entries 2662
10
1
0
20
40
60
80
100
120

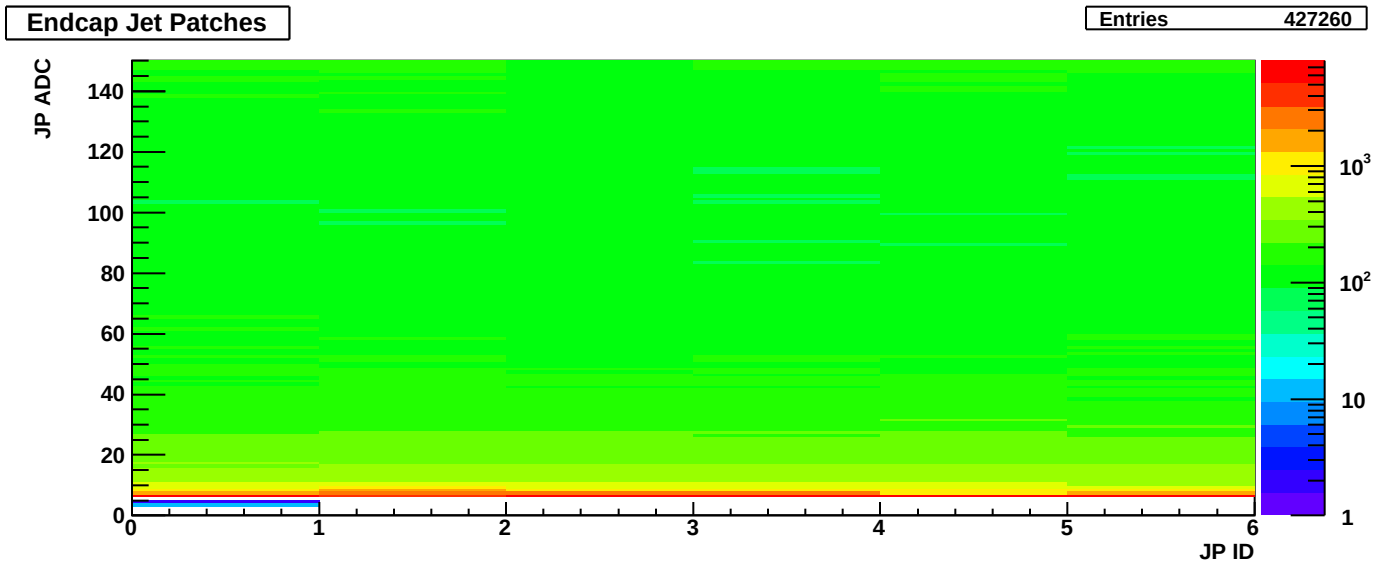

Barrel EMC L0 Input - High Tower
Entries 2.1363e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

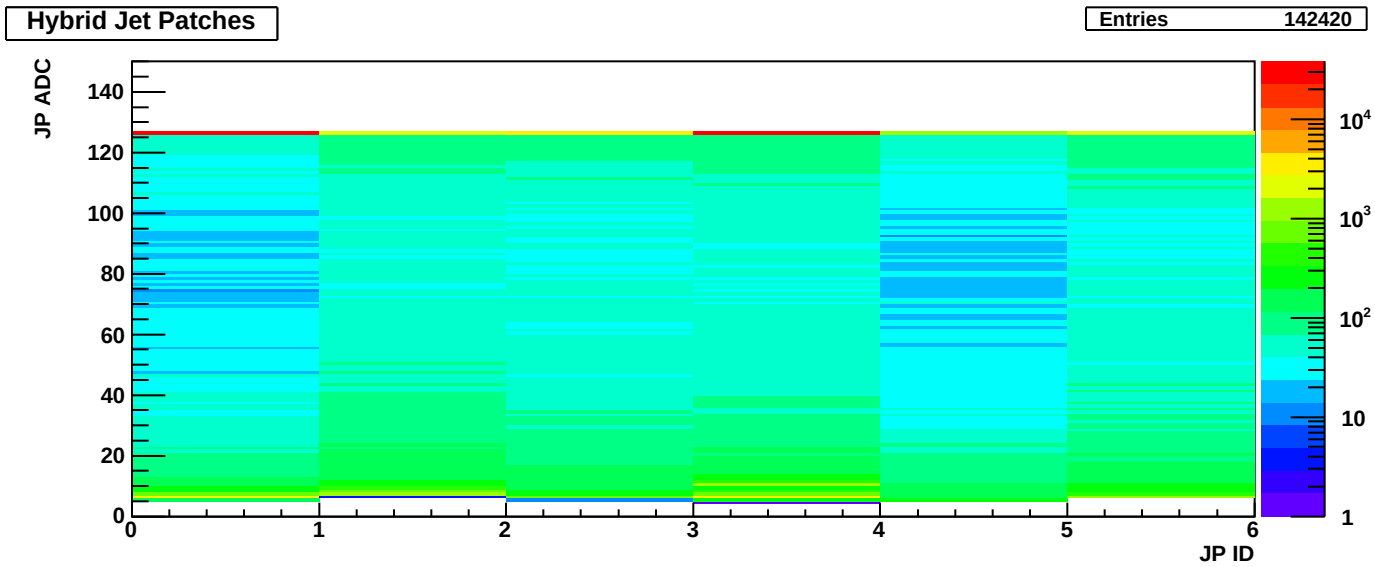

Barrel EMC L0 Input - Patch Sum
Entries 2.1363e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

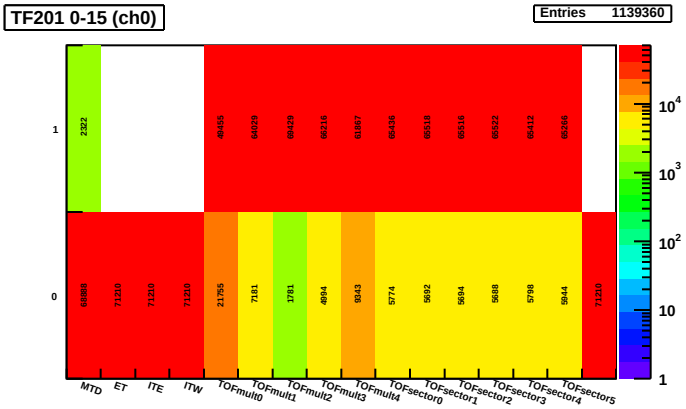

Endcap EMC L0 Input - High Tower
Entries 6408900
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

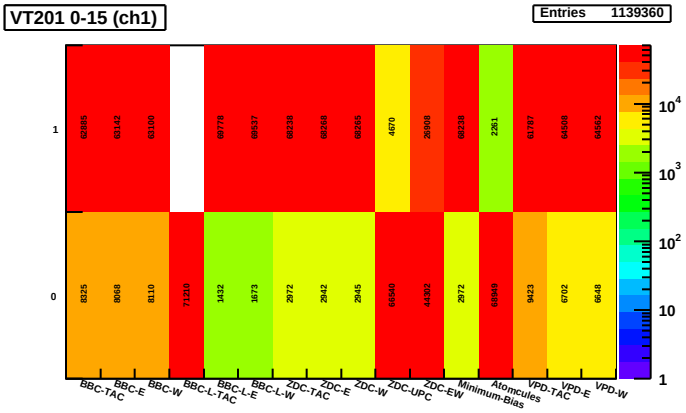

Endcap EMC L0 Input - Patch Sum
Entries 6408900
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

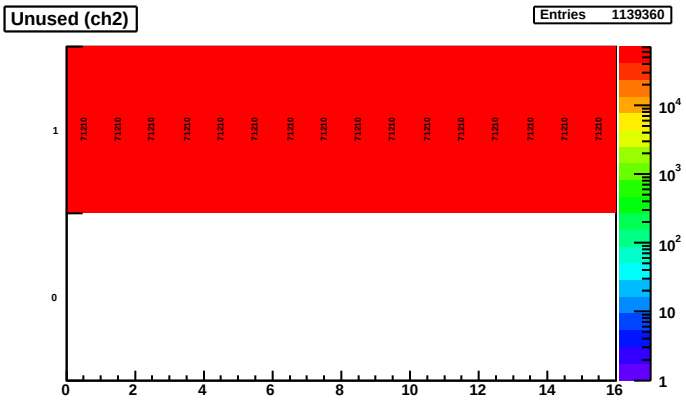

Barrel Jet Patches
Entries 1281780
JP ADC
JP ID

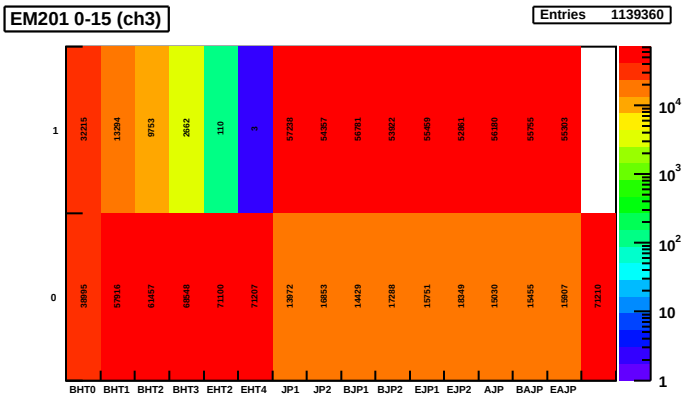

Endcap Jet Patches
Entries 427260
JP ADC
JP ID

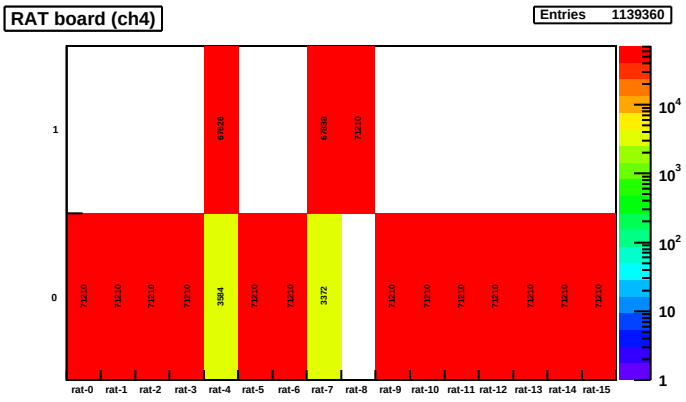

Hybrid Jet Patches
Entries 142420
JP ADC
JP ID

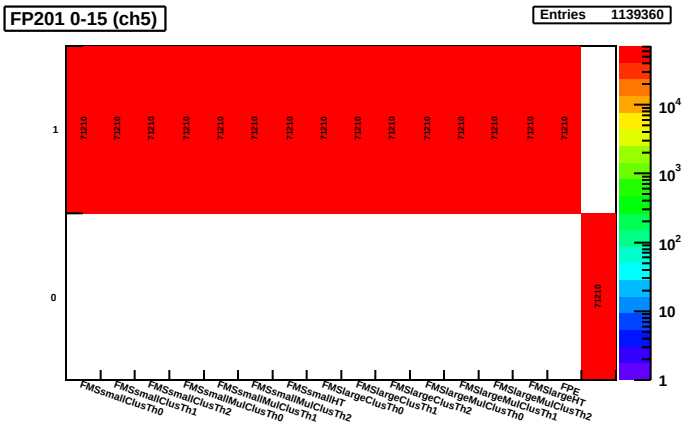

TF201 0-15 (ch0)
Entries 1139360
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

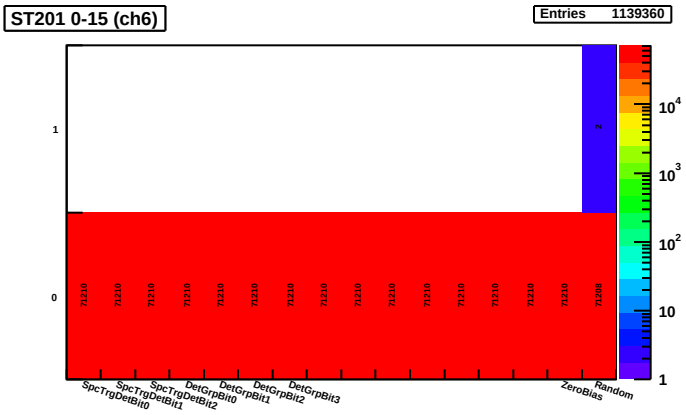

VT201 0-15 (ch1)
Entries 1139360
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

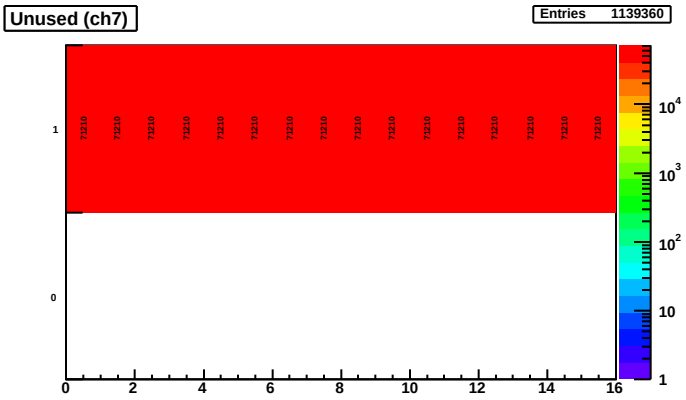

Unused (ch2)
Entries 1139360

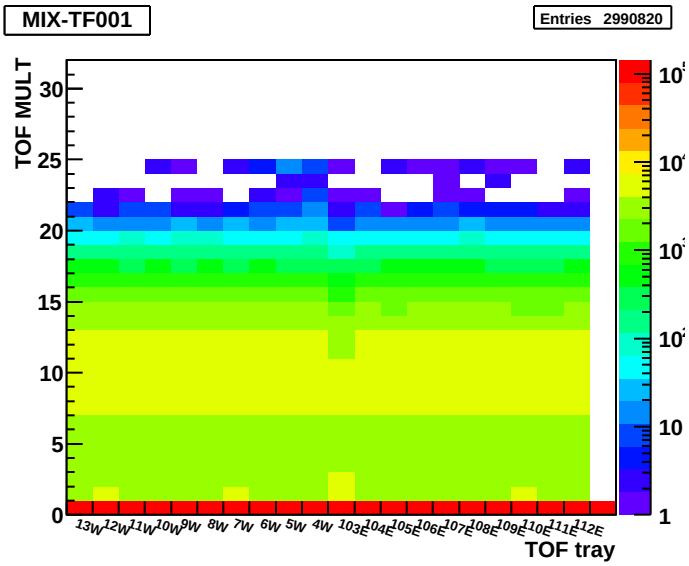

EM201 0-15 (ch3)
Entries 1139360
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

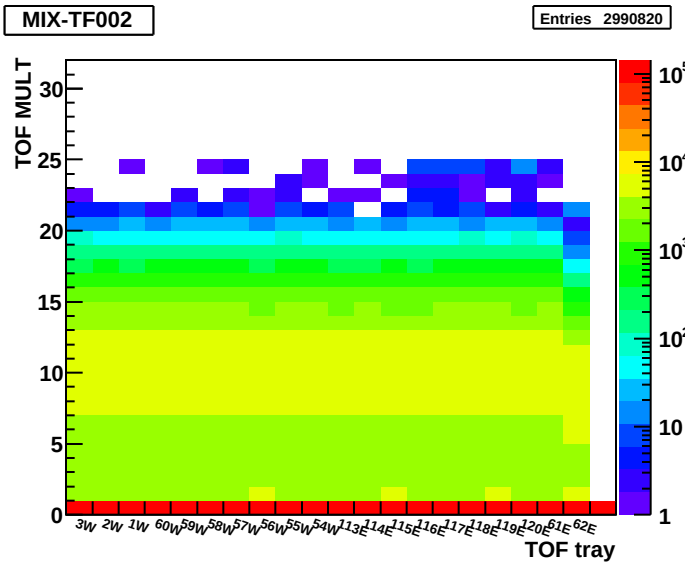

RAT board (ch4)
Entries 1139360
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

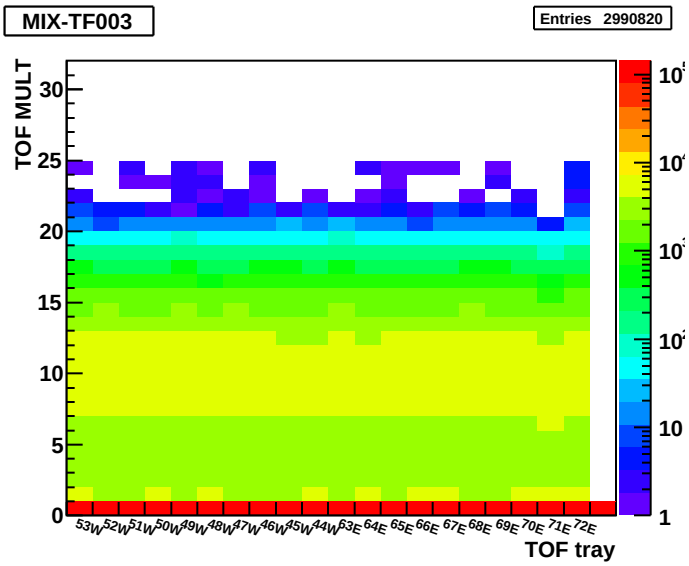

FP201 0-15 (ch5)
Entries 1139360
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

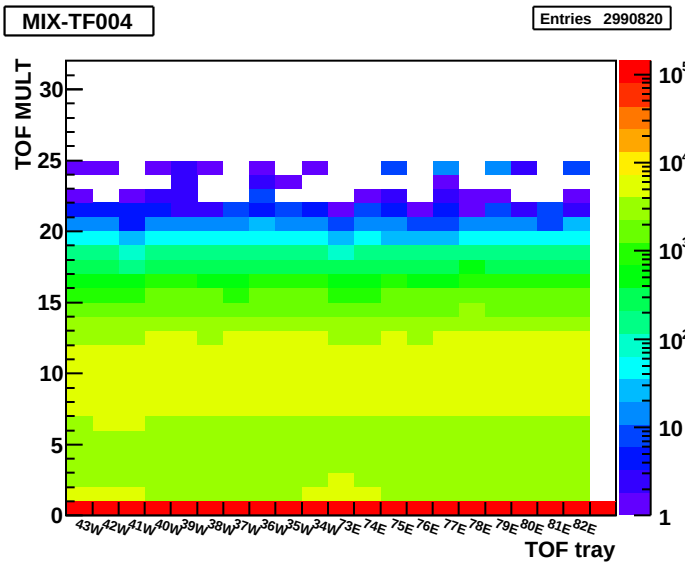

ST201 0-15 (ch6)
Entries 1139360
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random

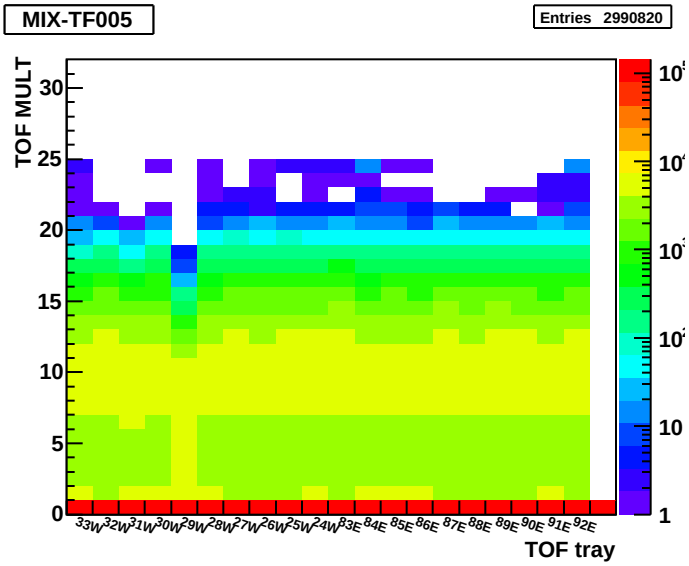

Unused (ch7)
Entries 1139360

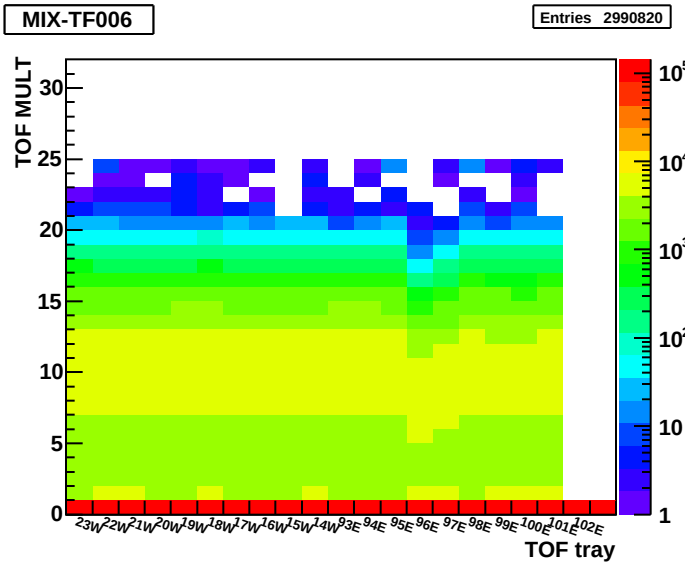

MIX-TF001
Entries 2990820
TOF MULT
TOF tray

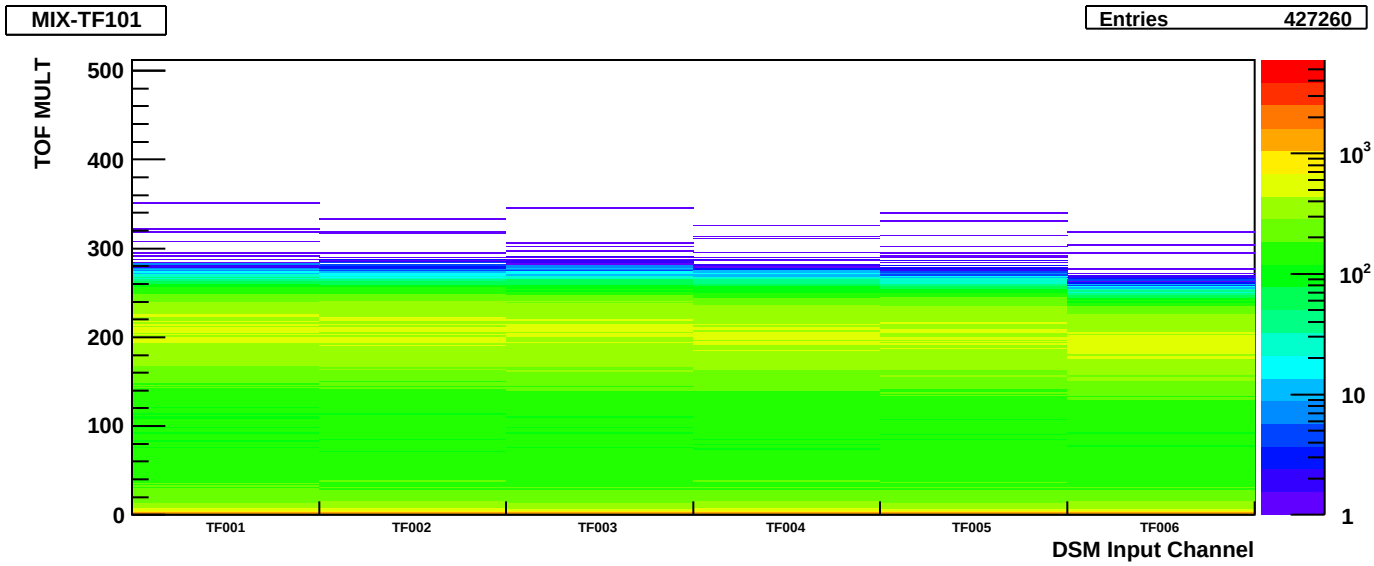

MIX-TF002
Entries 2990820
TOF MULT
TOF tray

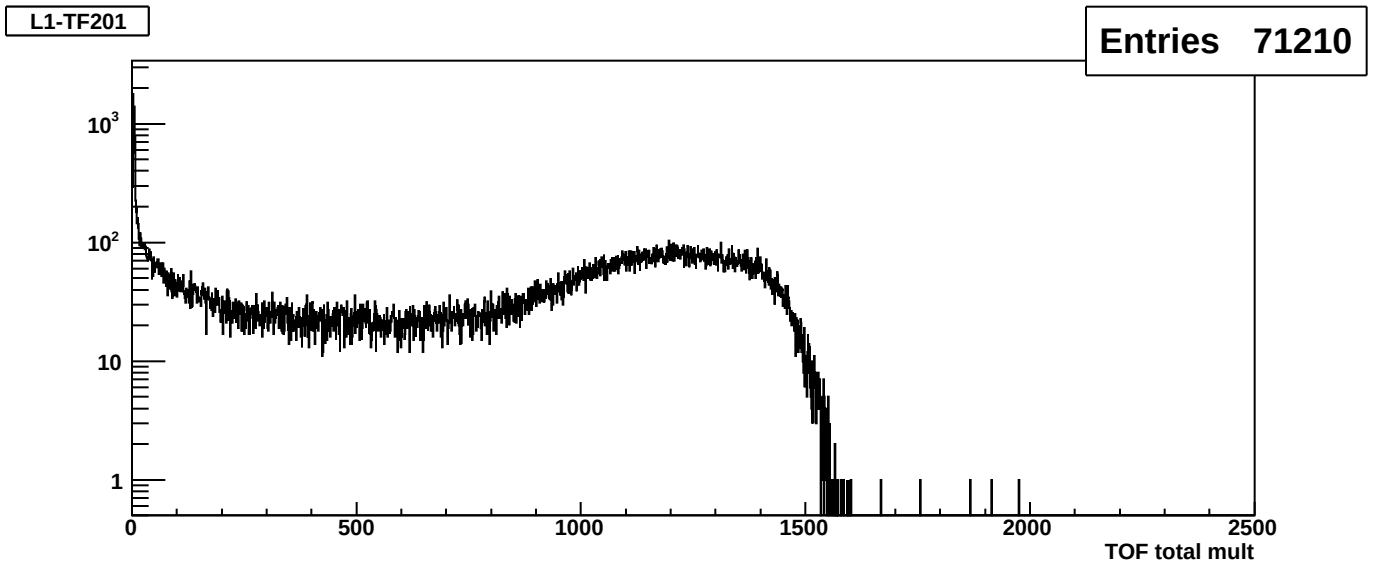

MIX-TF003
Entries 2990820
TOF MULT
TOF tray

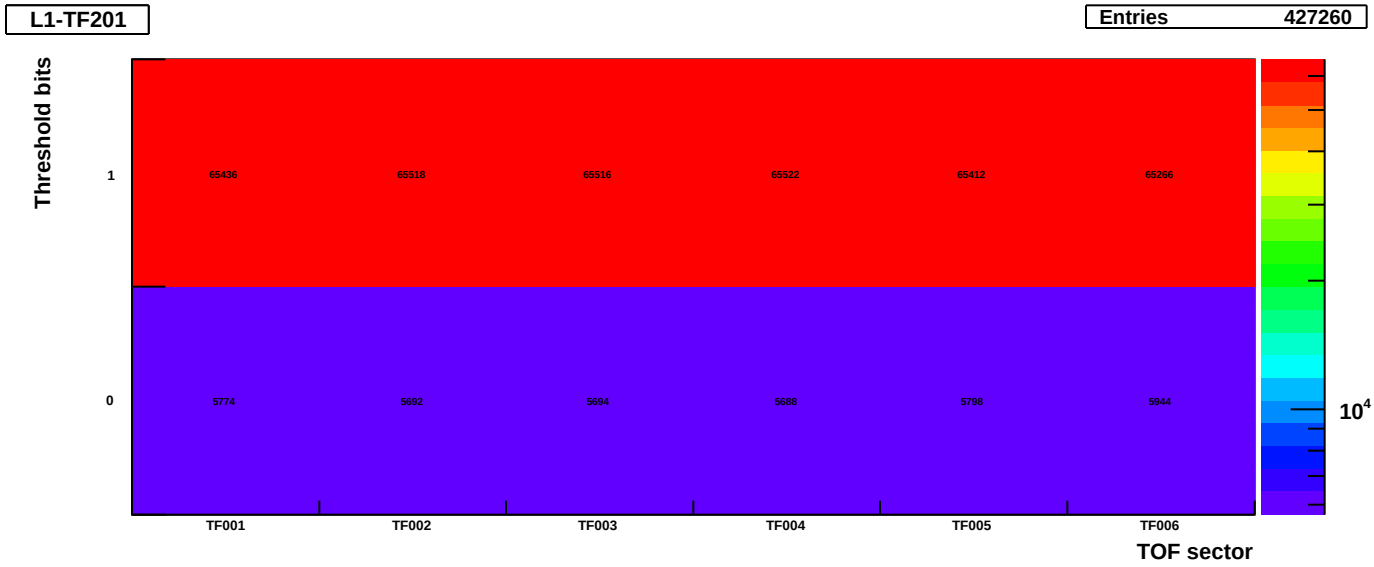

MIX-TF004
Entries 2990820
TOF MULT
TOF tray

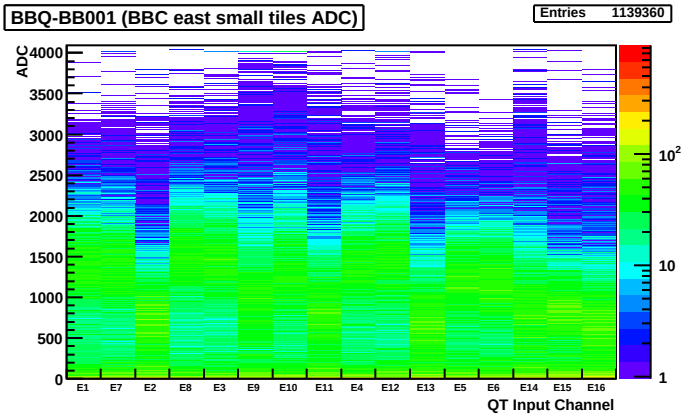

MIX-TF005
Entries 2990820
TOF MULT
TOF tray

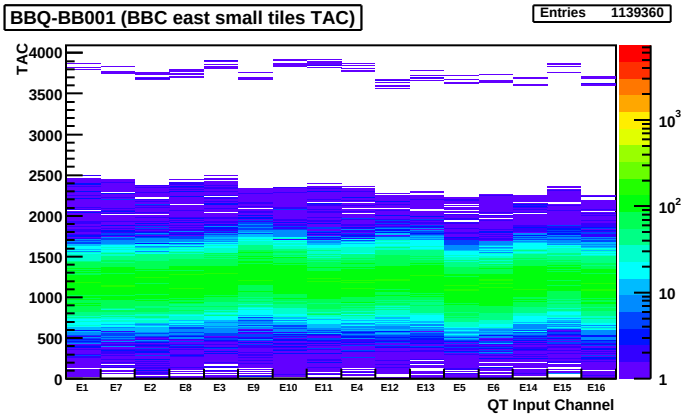

MIX-TF006
Entries 2990820
TOF MULT
TOF tray

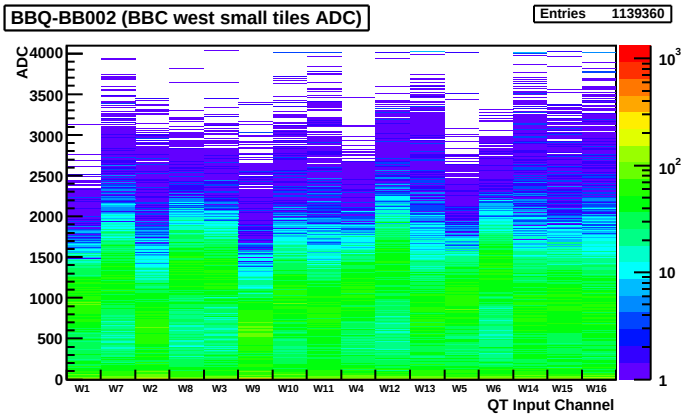

MIX-TF101
Entries 427260
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

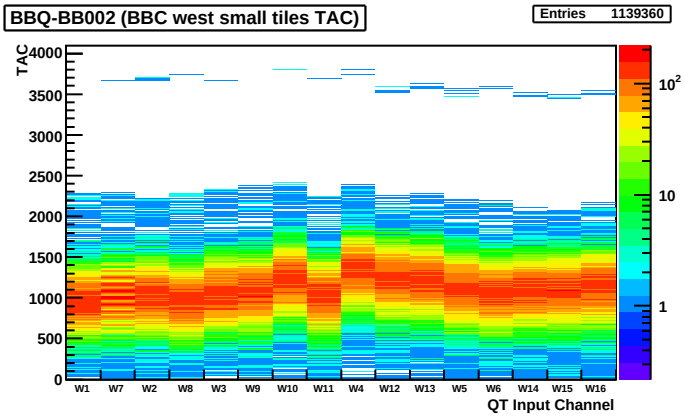

L1-TF201
Entries 71210
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

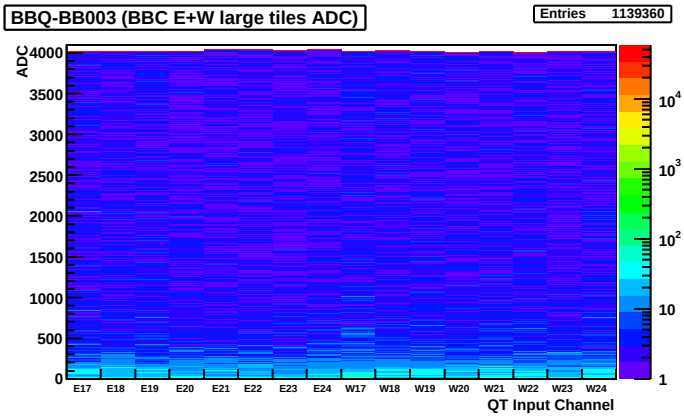

L1-TF201
Entries 427260
Threshold bits
1
0
65436
65518
65516
65522
65412
65266
5774
5692
5694
5688
5798
5944
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

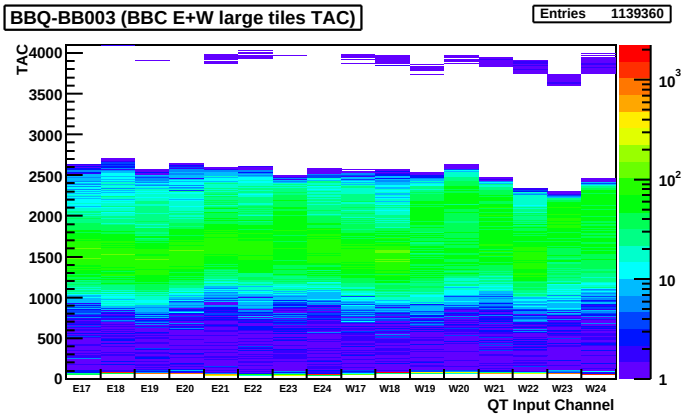

BBQ-BB001 (BBC east small tiles ADC)
Entries 1139360
ADC
QT Input Channel

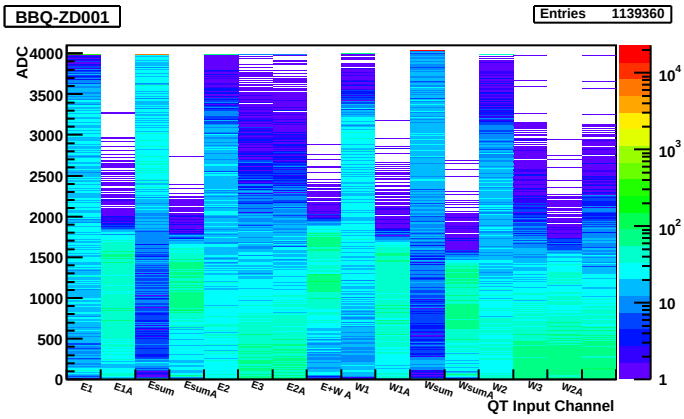

BBQ-BB001 (BBC east small tiles TAC)
Entries 1139360
TAC
QT Input Channel

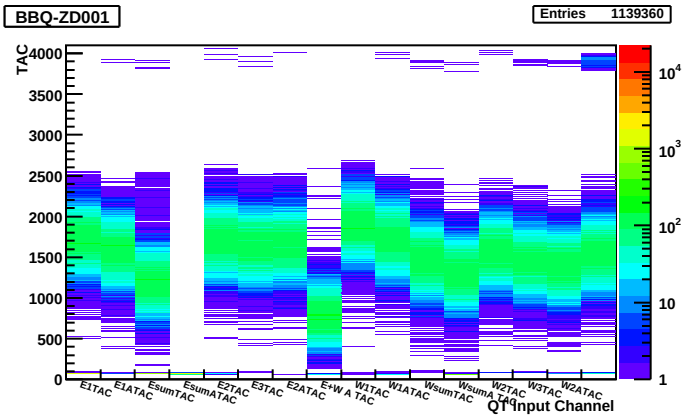

BBQ-BB002 (BBC west small tiles ADC)
Entries 1139360
ADC
QT Input Channel

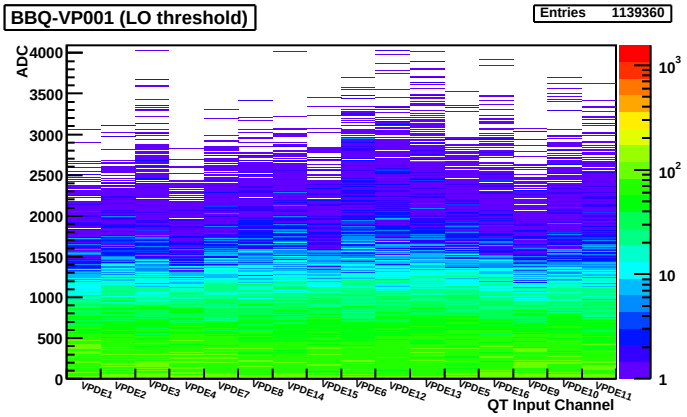

BBQ-BB002 (BBC west small tiles TAC)
Entries 1139360
TAC
QT Input Channel

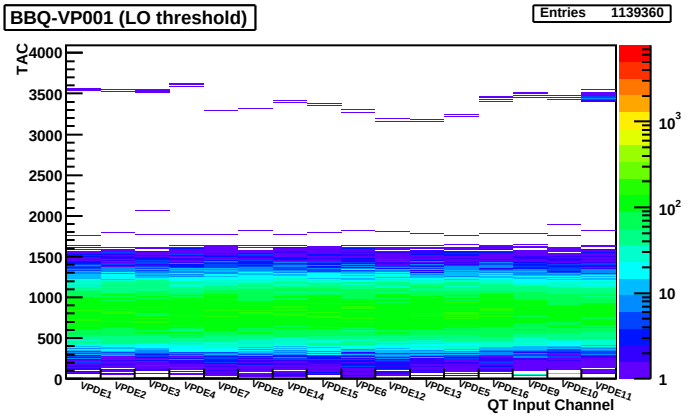

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1139360
ADC
QT Input Channel

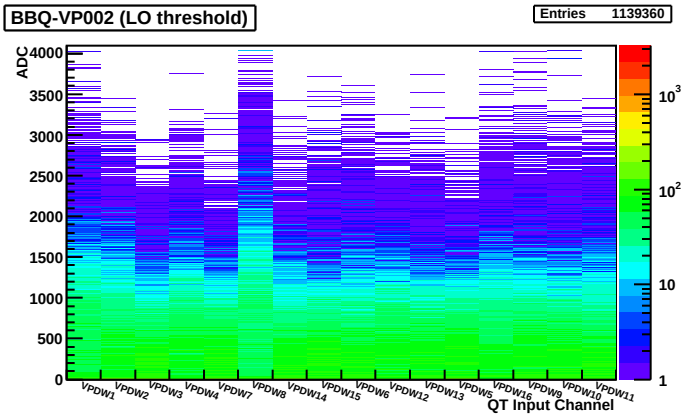

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1139360
TAC
QT Input Channel

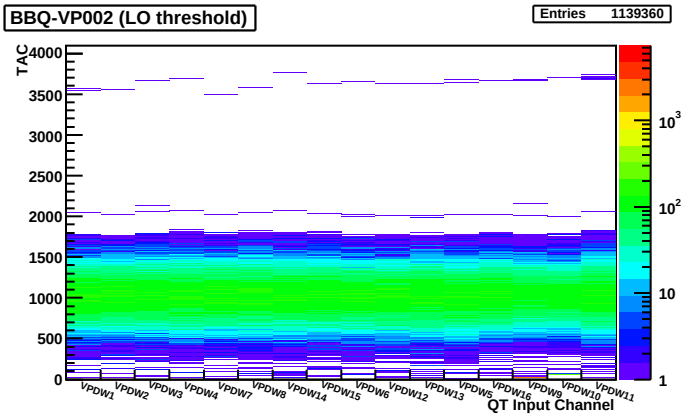

BBQ-ZD001
Entries 1139360
ADC
QT Input Channel

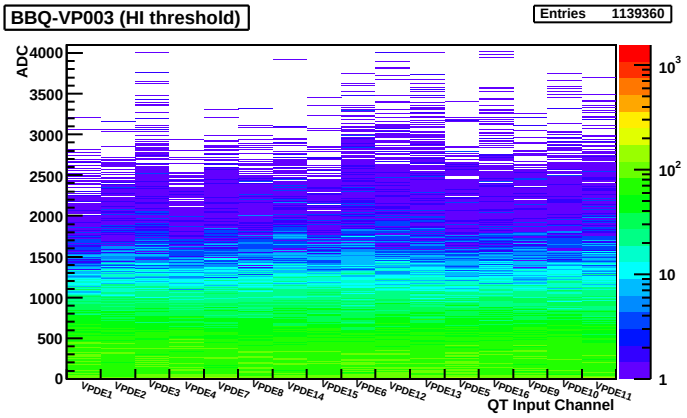

BBQ-ZD001
Entries 1139360
TAC
QT Input Channel

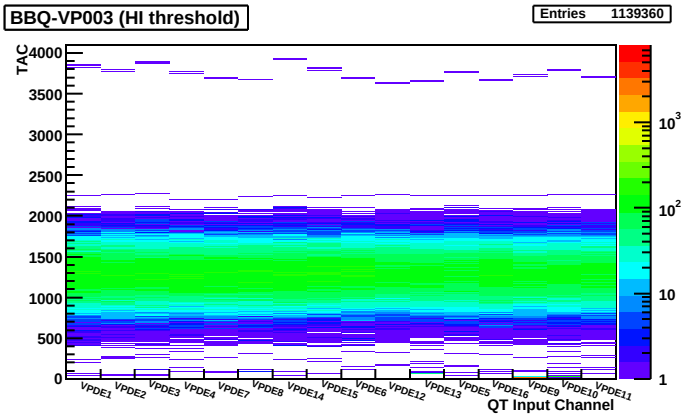

BBQ-VP001 (LO threshold)
Entries 1139360
ADC
QT Input Channel

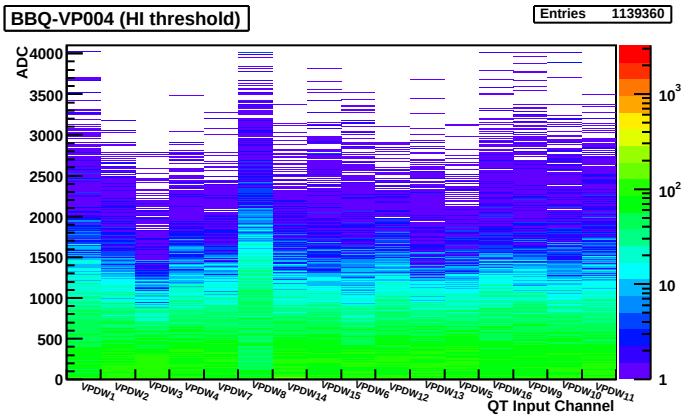

BBQ-VP001 (LO threshold)
Entries 1139360
TAC
QT Input Channel

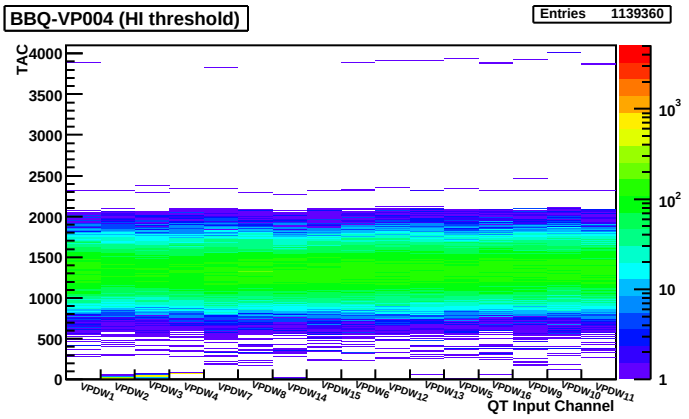

BBQ-VP002 (LO threshold)
Entries 1139360
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 1139360
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1139360
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1139360
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1139360
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1139360
TAC
QT Input Channel