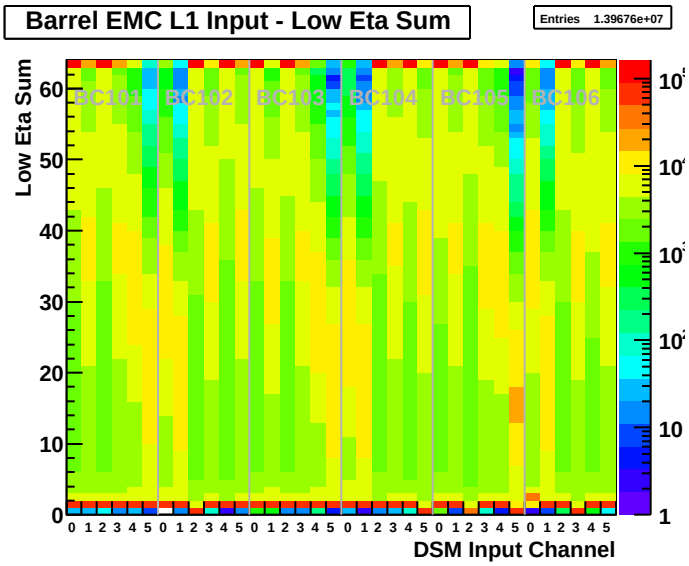
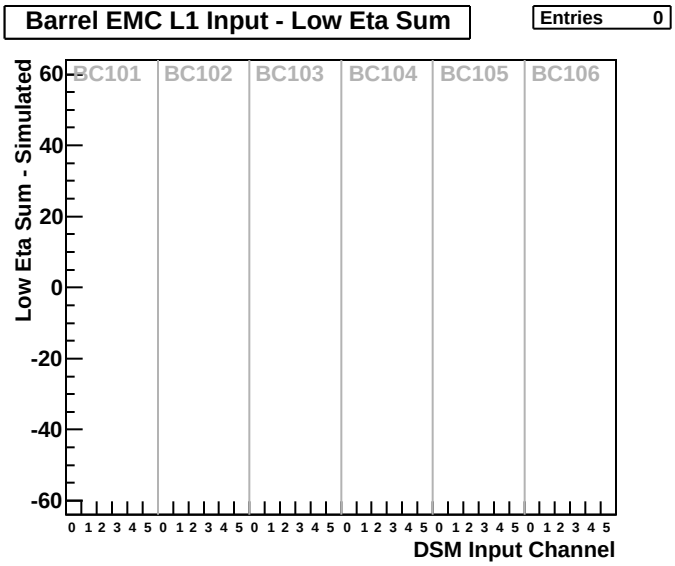
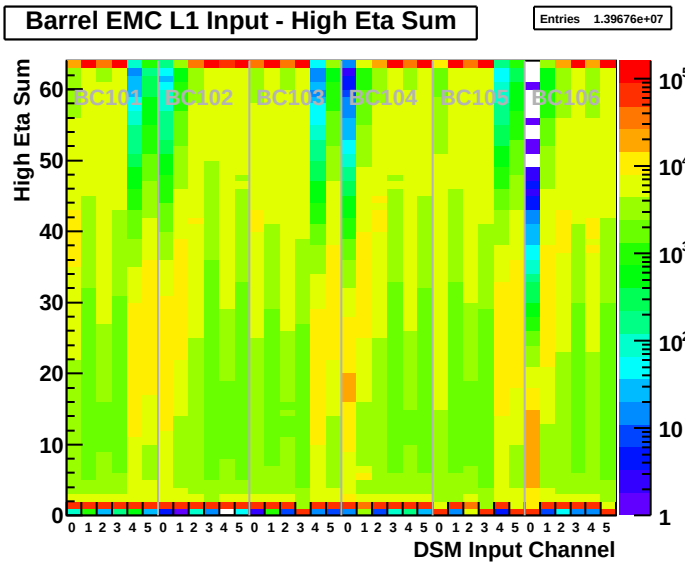
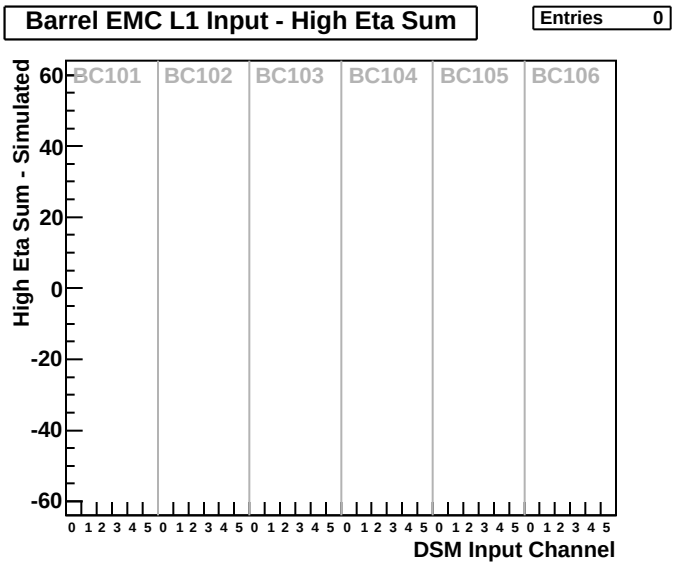
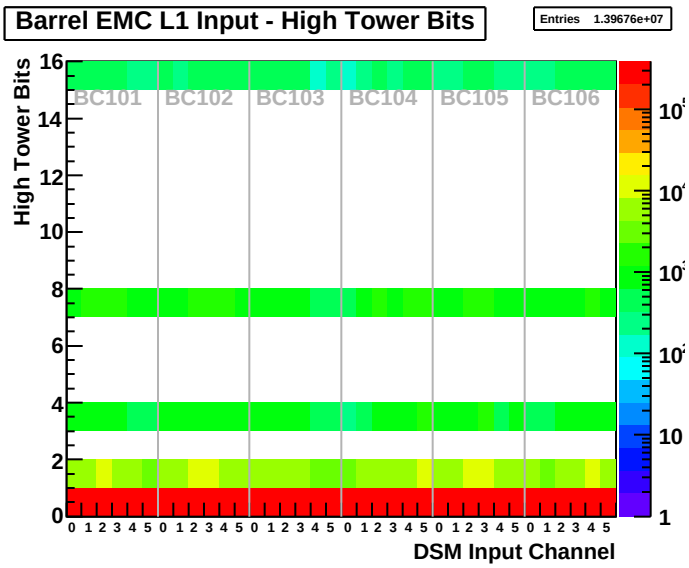
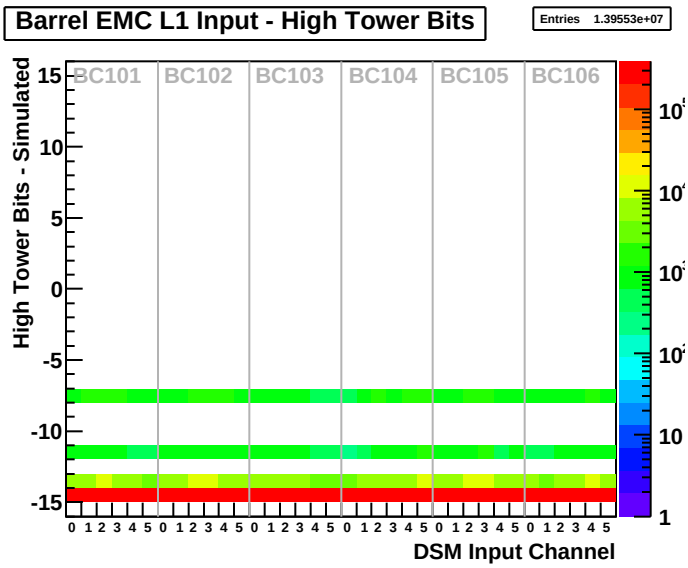

Barrel EMC L1 Input - Low Eta Sum
Entries 1.39676e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

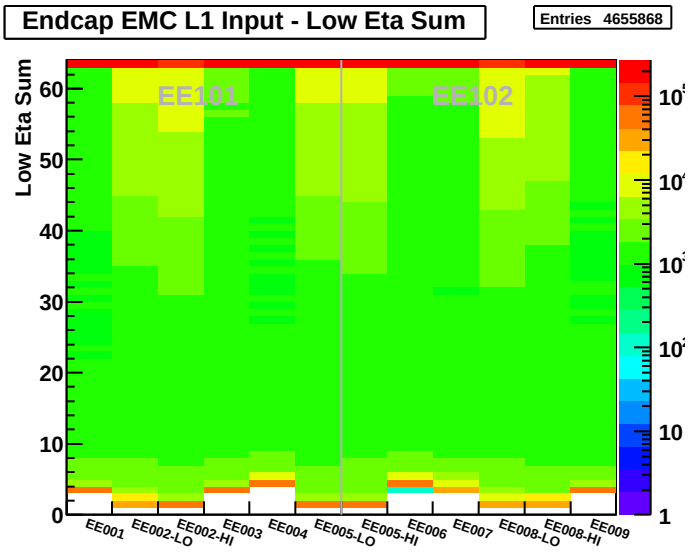

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

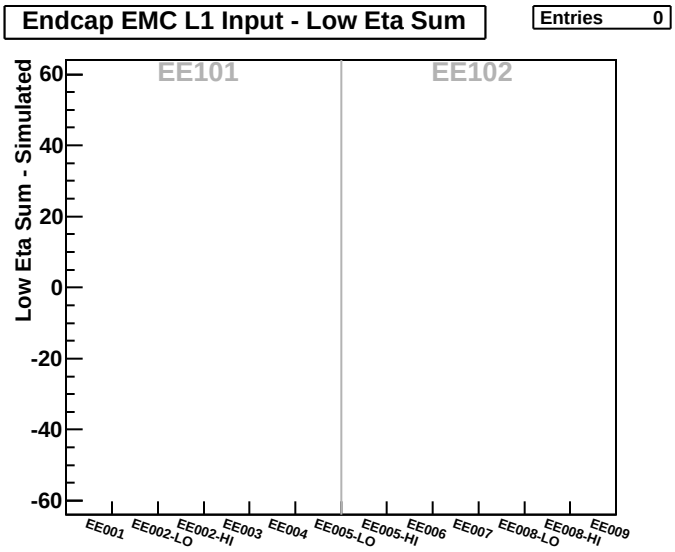

Barrel EMC L1 Input - High Eta Sum
Entries 1.39676e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

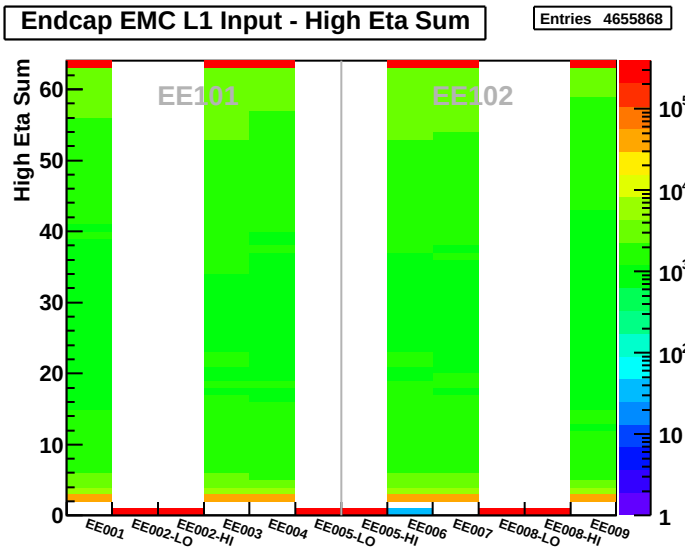

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

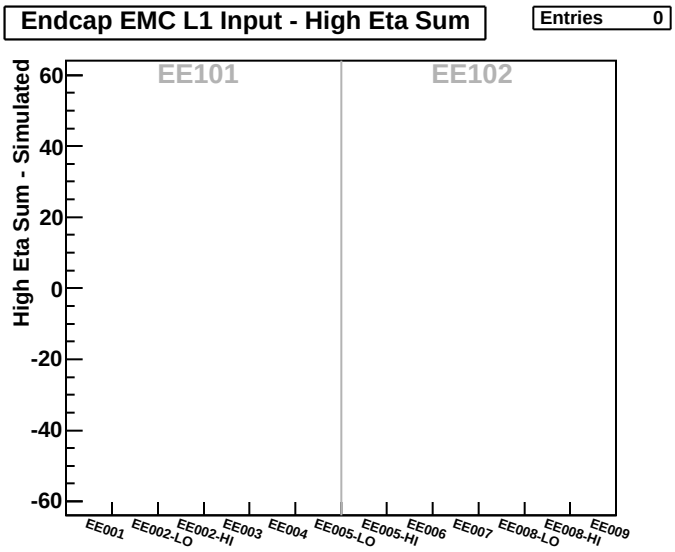

Barrel EMC L1 Input - High Tower Bits
Entries 1.39676e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

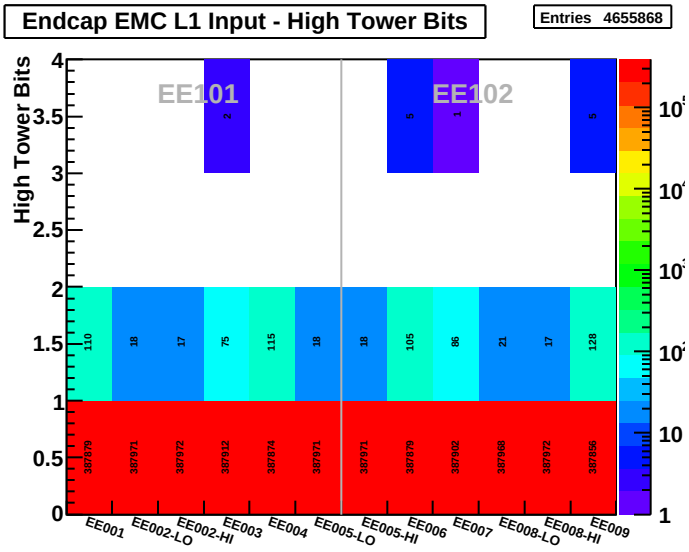

Barrel EMC L1 Input - High Tower Bits
Entries 1.39553e+07
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

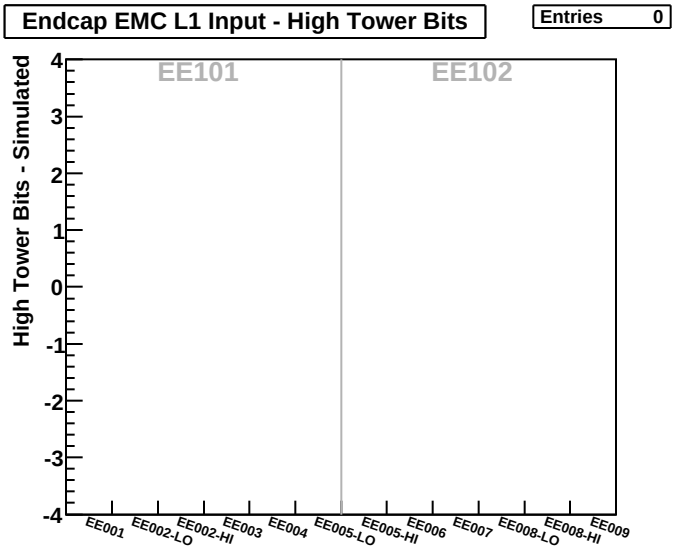

Endcap EMC L1 Input - Low Eta Sum
Entries 4655868
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

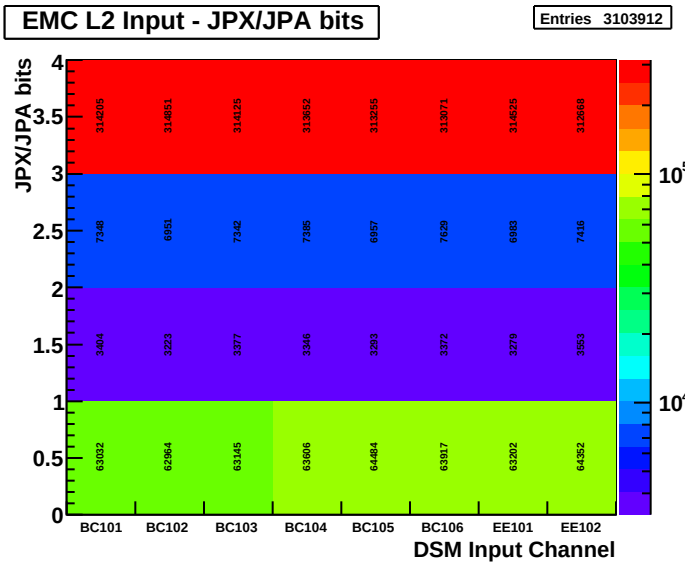

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

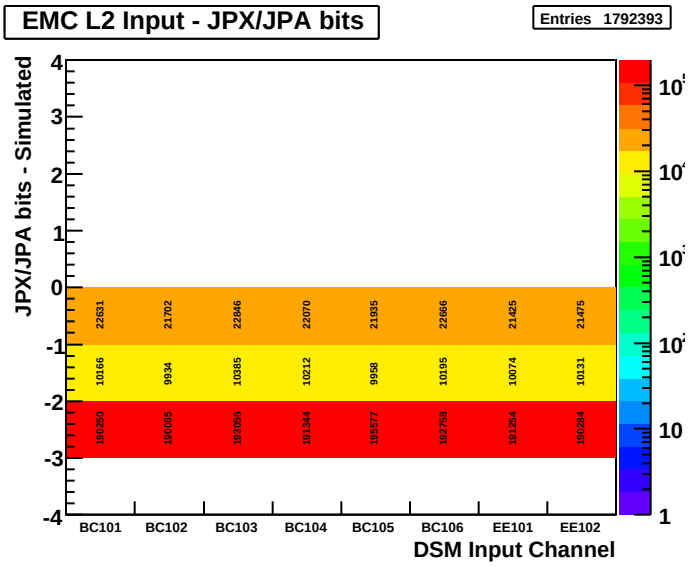

Endcap EMC L1 Input - High Eta Sum
Entries 4655868
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

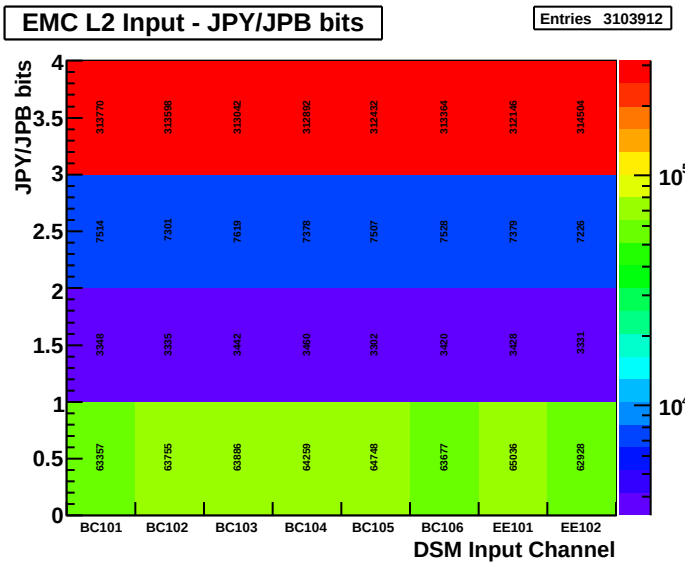

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

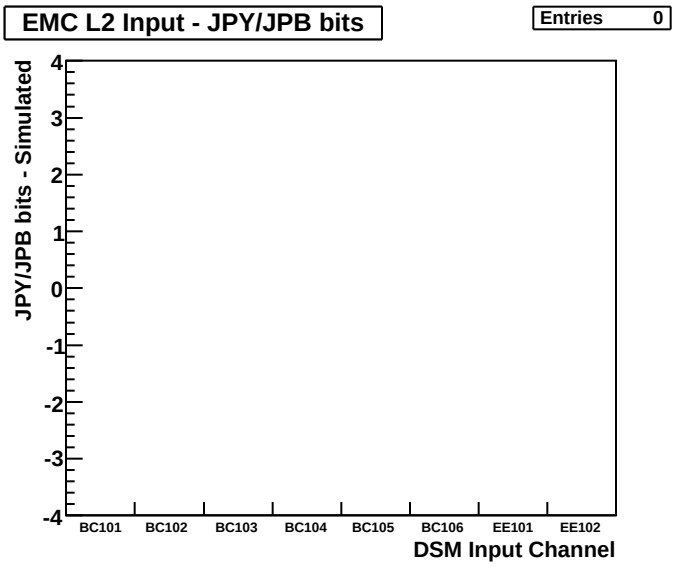

Endcap EMC L1 Input - High Tower Bits
Entries 4655868
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

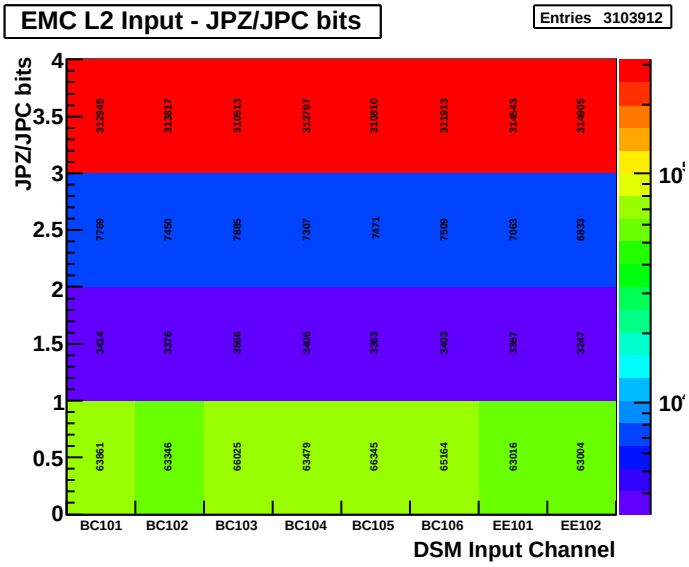

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

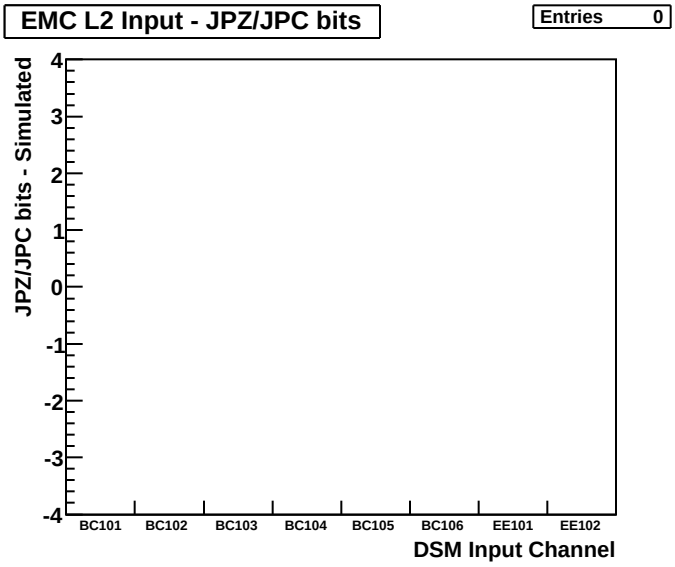

EMC L2 Input - JPX/JPA bits
Entries 3103912
JPX/JPA bits
314205 314051 314125 313652 313255 313071 314525 312868
7346 6951 7342 7385 6957 7629 6983 7416
3404 3223 3377 3346 3293 3372 3279 3553
63032 62964 63145 63606 64484 63917 63202 64352
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

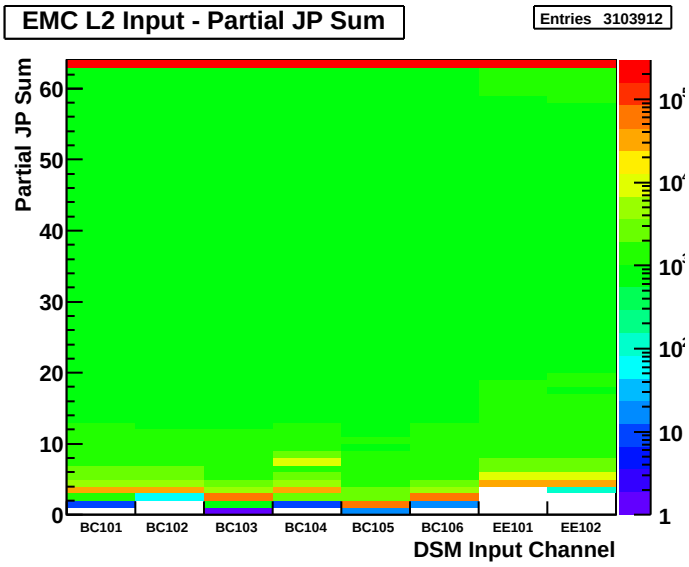

EMC L2 Input - JPX/JPA bits
Entries 1792393
JPX/JPA bits - Simulated
22631 21702 22846 22070 21935 22666 21425 21475
10166 9934 10385 10212 9958 10195 10074 10131
190250 190065 193056 191344 195577 192758 191254 190284
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

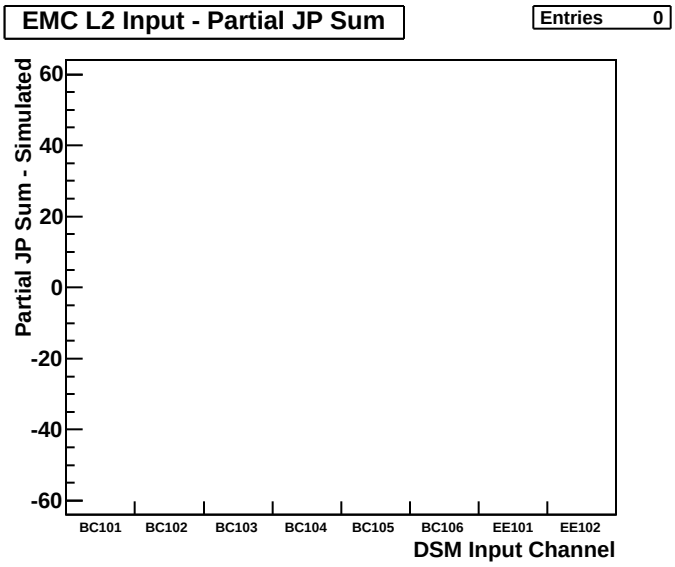

EMC L2 Input - JPY/JPB bits
Entries 3103912
JPY/JPB bits
313770 313588 313042 312832 312432 313364 312146 314504
7514 7301 7519 7378 7507 7528 7379 7226
3348 3335 3412 3460 3302 3420 3428 3331
63357 63755 63886 64259 64748 63677 65036 62928
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

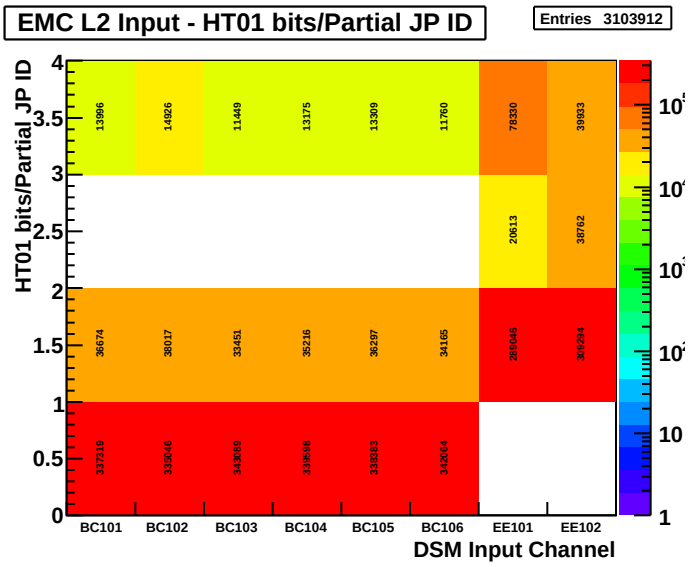

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

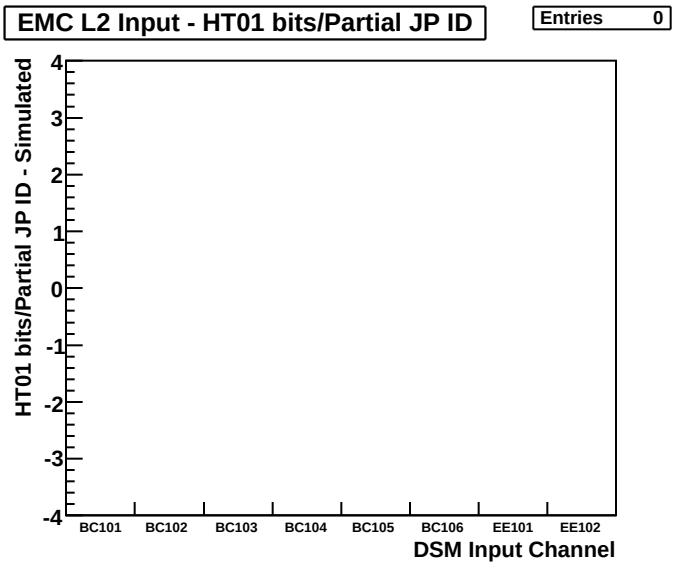

EMC L2 Input - JPZ/JPC bits
Entries 3103912
JPZ/JPC bits
312945 313317 310513 313797 310810 311913 314543 314905
7769 7450 7685 7307 7471 7509 7063 6833
3414 3376 3566 3406 3363 3403 3367 3247
63861 63346 66625 63479 66345 65164 63016 63004
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

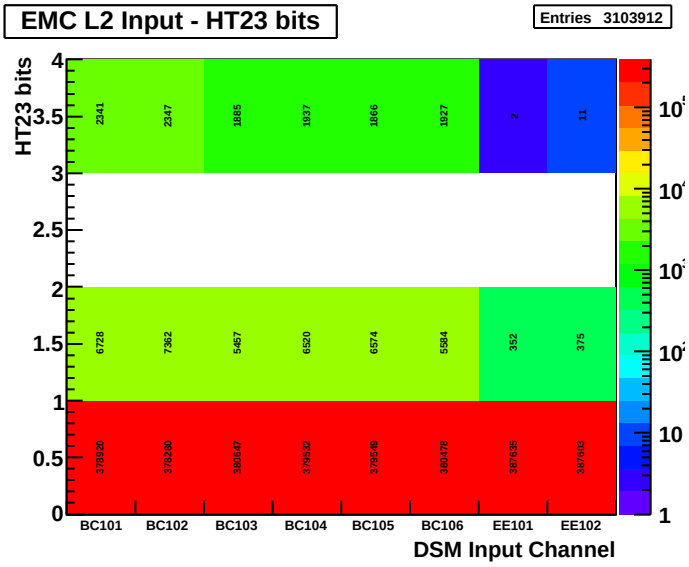

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

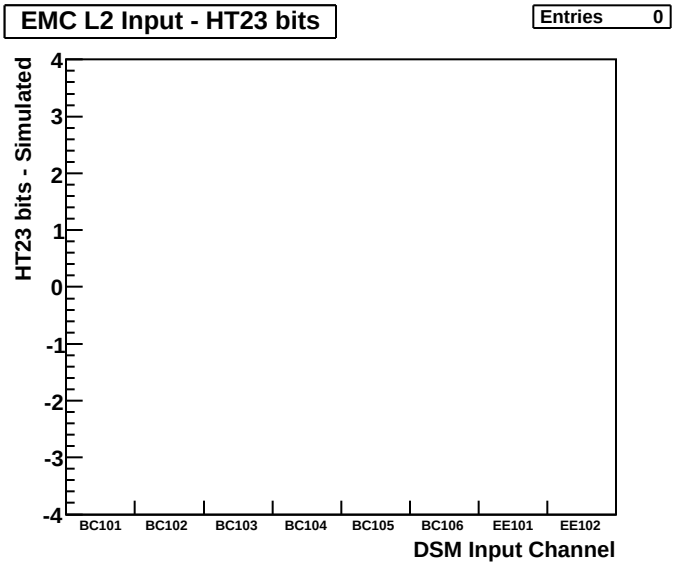

EMC L2 Input - Partial JP Sum
Entries 3103912
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

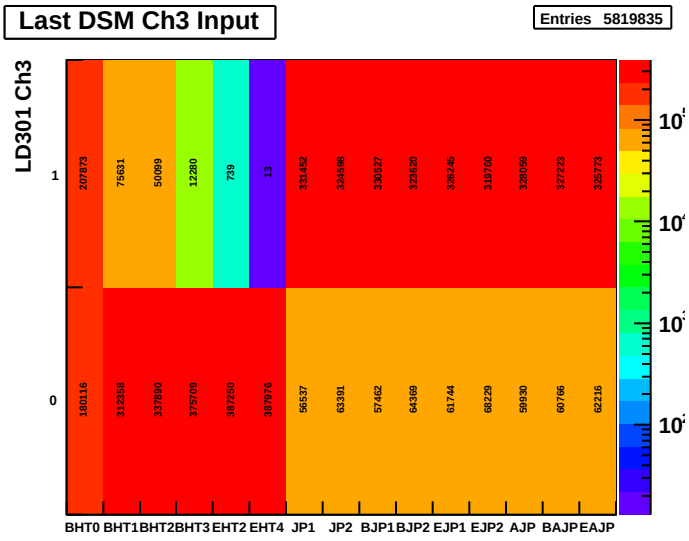

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

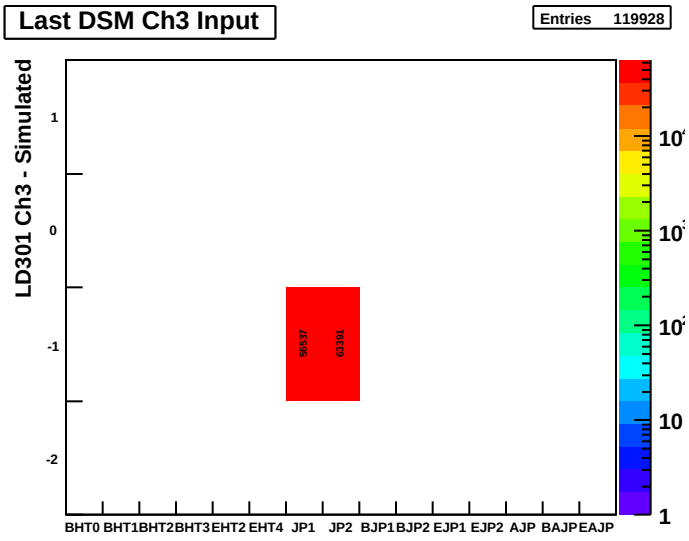

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3103912
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

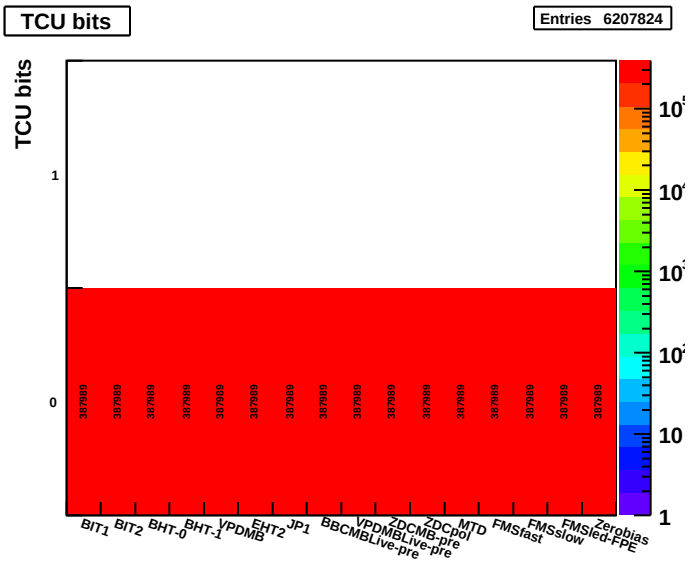

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

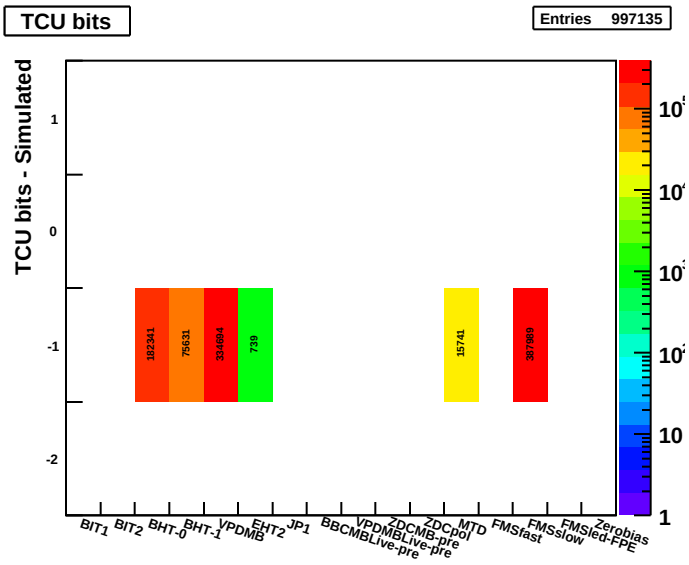

EMC L2 Input - HT23 bits
Entries 3103912
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

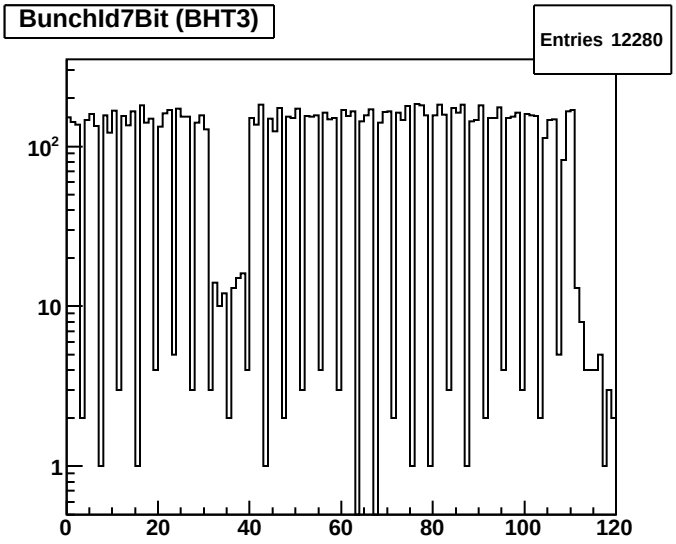

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

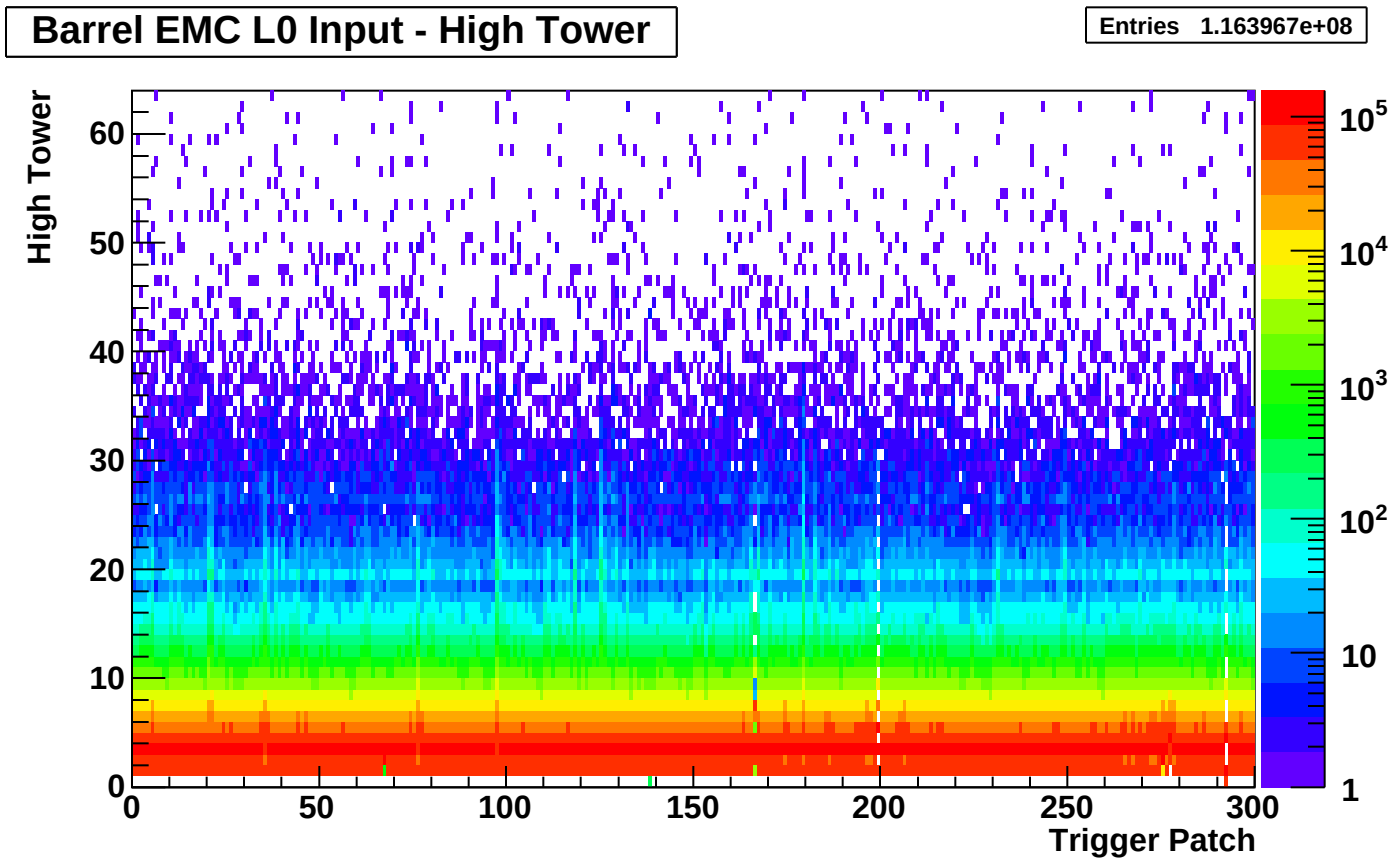

Last DSM Ch3 Input
Entries 5819835
LD301 Ch3
1
0
207873
75631
50099
12280
739
13
331452
324598
330527
323620
326245
319760
328059
327223
325773
180116
312358
337890
375709
387250
387976
56537
63391
57462
64369
61744
68229
59930
60766
62216
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

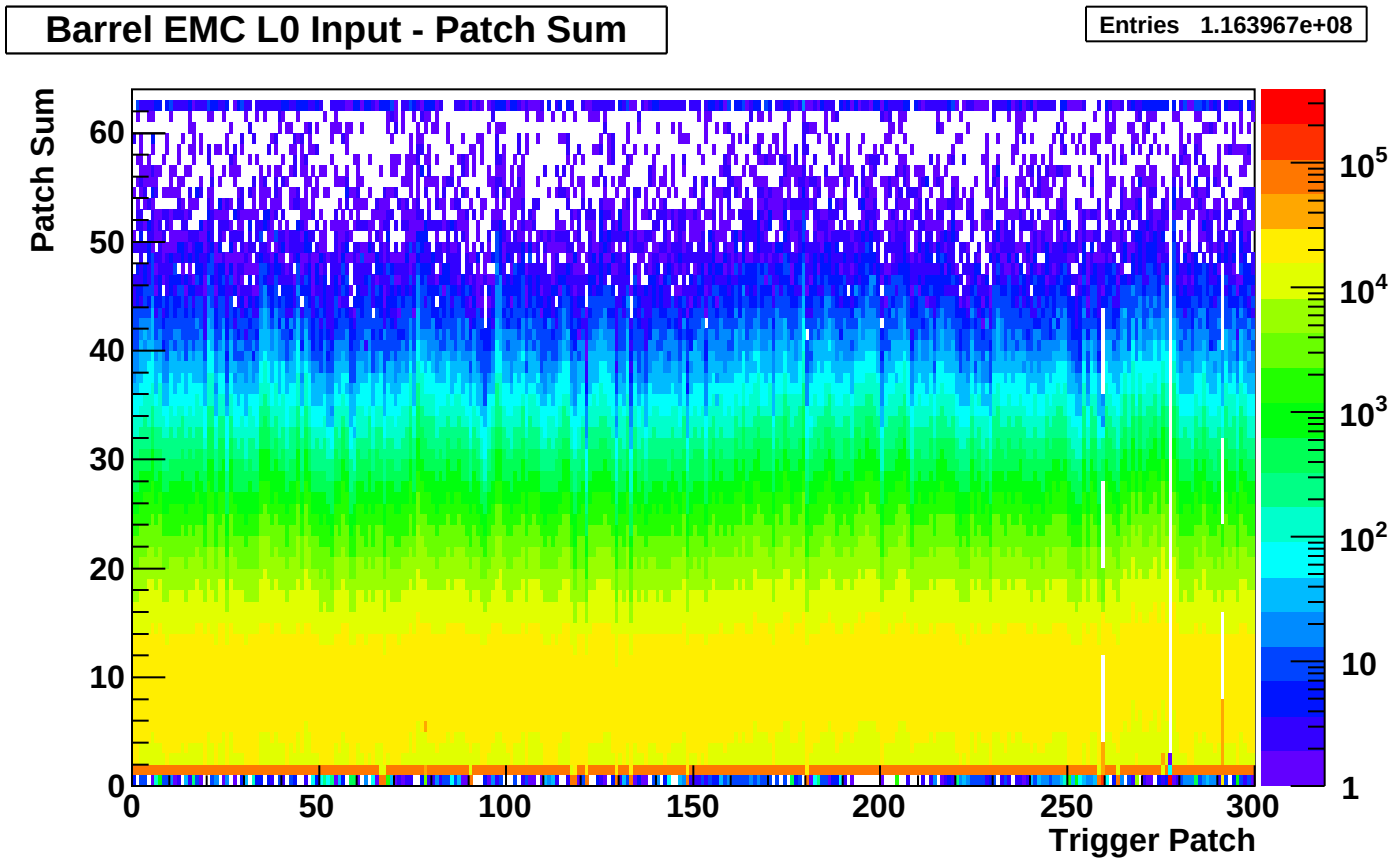

Last DSM Ch3 Input
Entries 119928
LD301 Ch3 - Simulated
1
0
-1
-2
56537
63391
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

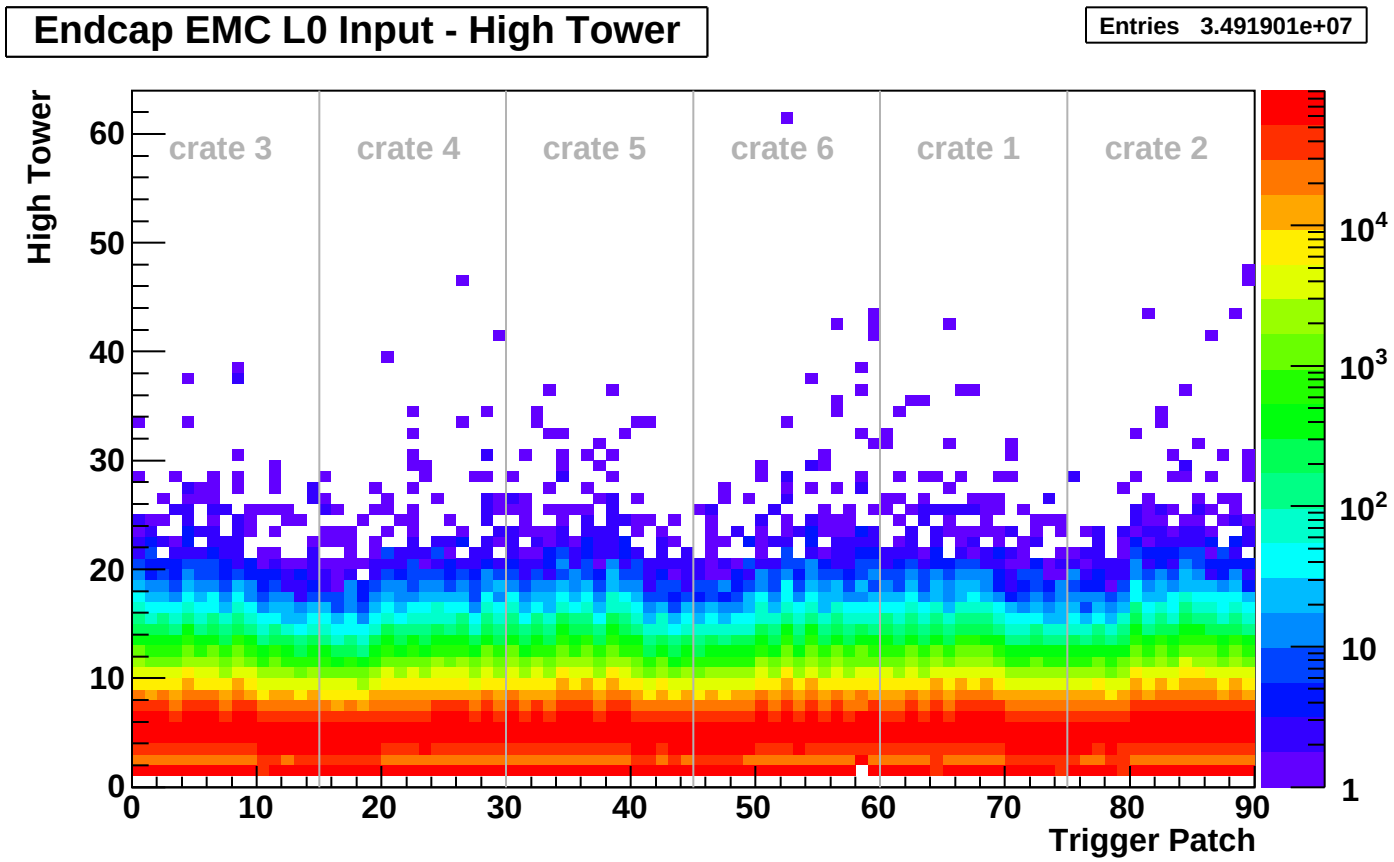

TCU bits
Entries 6207824
TCU bits
1
0
387989
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

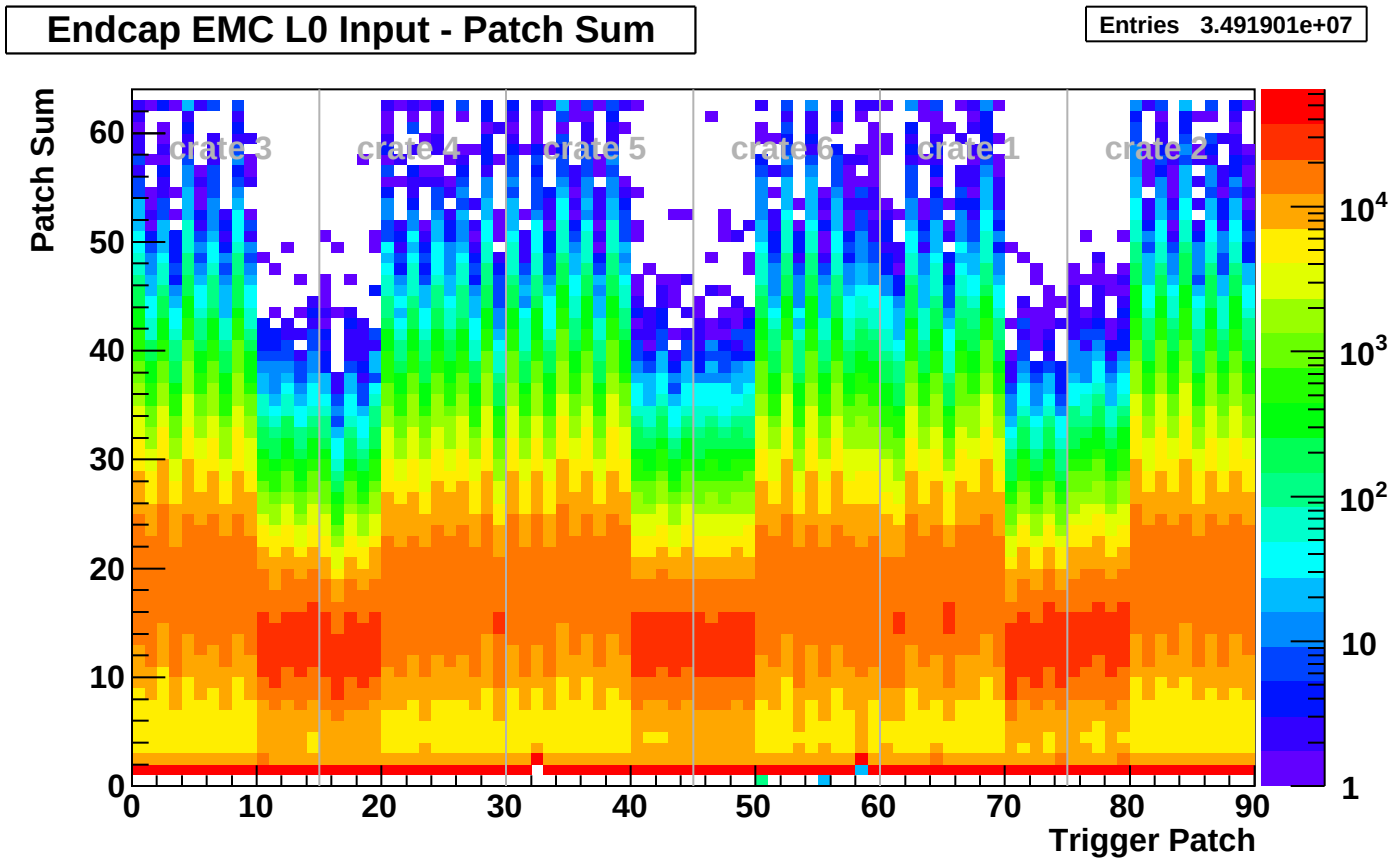

TCU bits
Entries 997135
TCU bits - Simulated
1
0
-1
-2
182341
75631
334694
739
15741
387989
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

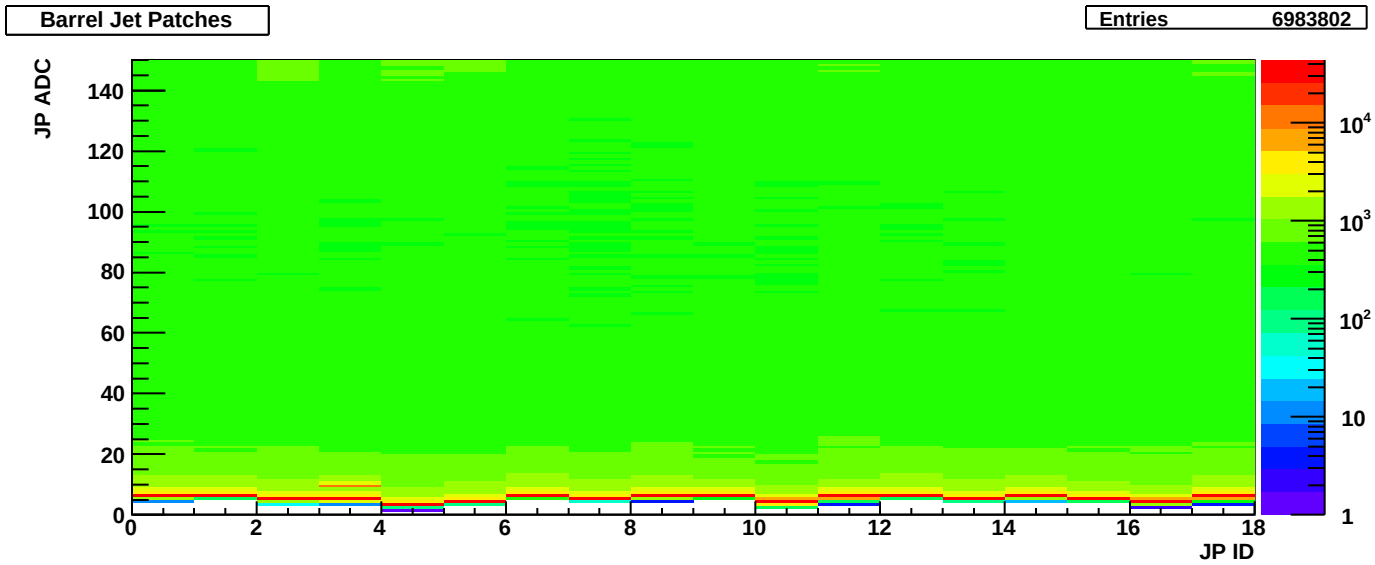

BunchId7Bit (BHT3)
Entries 12280
10²
10
1
0
20
40
60
80
100
120

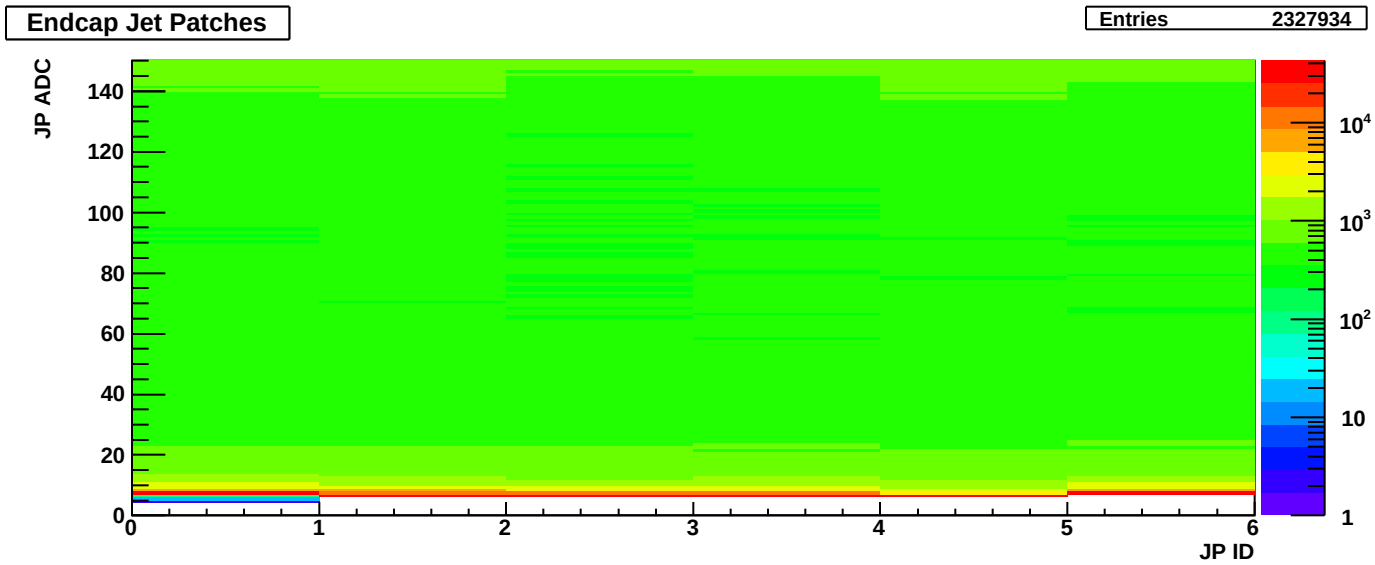

Barrel EMC L0 Input - High Tower
Entries 1.163967e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

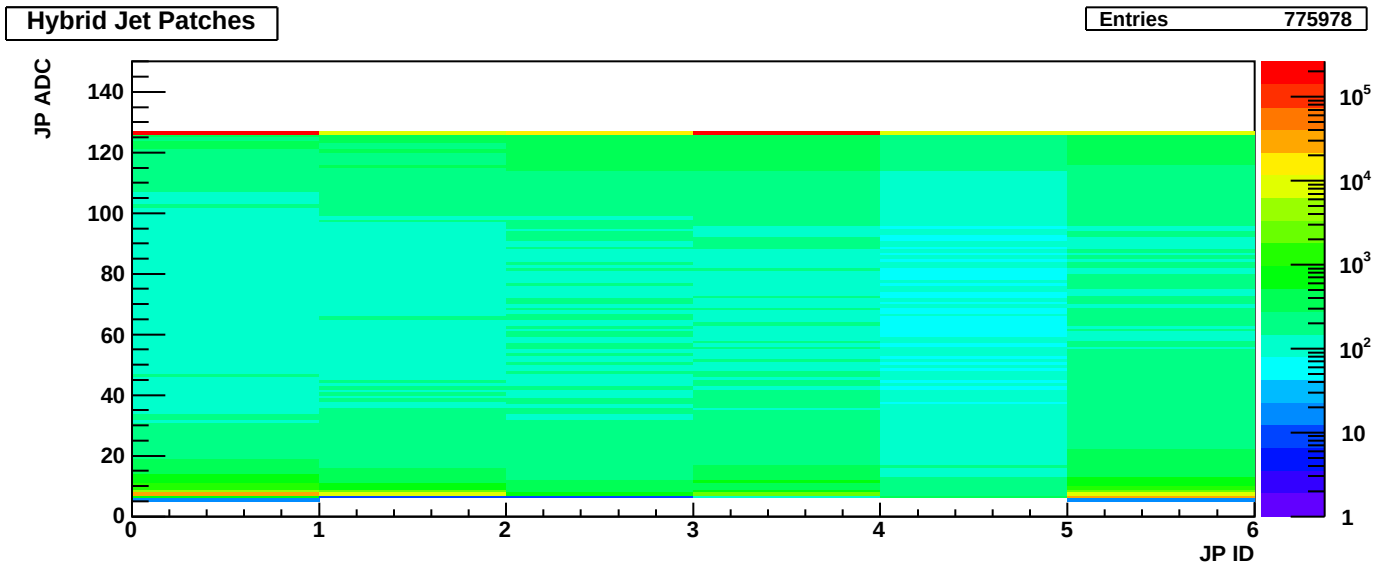

Barrel EMC L0 Input - Patch Sum
Entries 1.163967e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

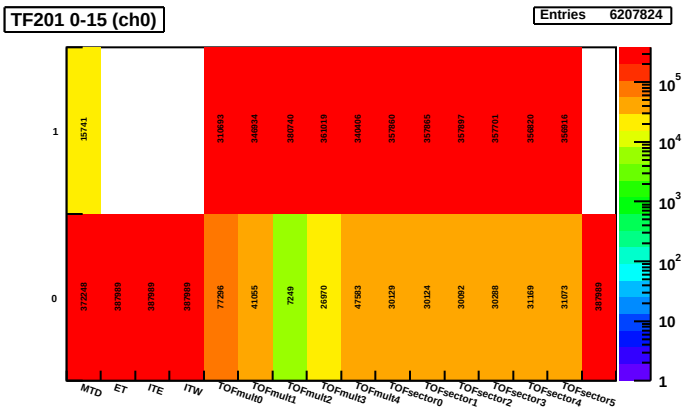

Endcap EMC L0 Input - High Tower
Entries 3.491901e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

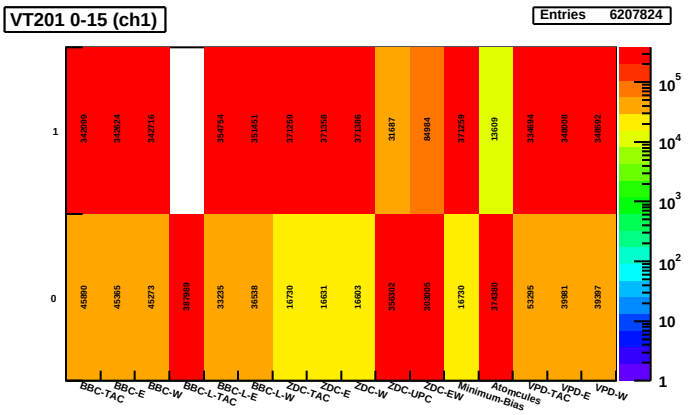

Endcap EMC L0 Input - Patch Sum
Entries 3.491901e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

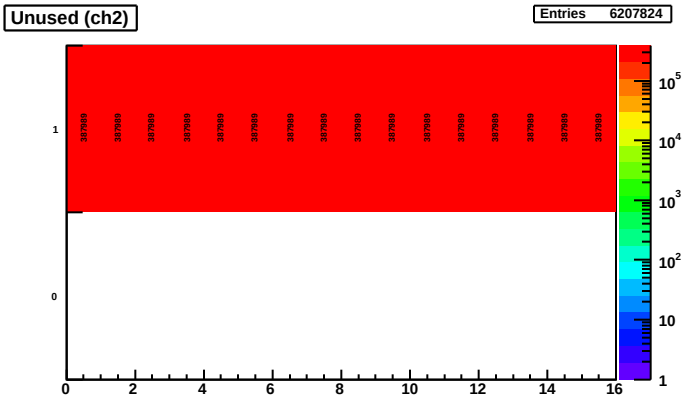

Barrel Jet Patches
Entries 6983802
JP ADC
JP ID

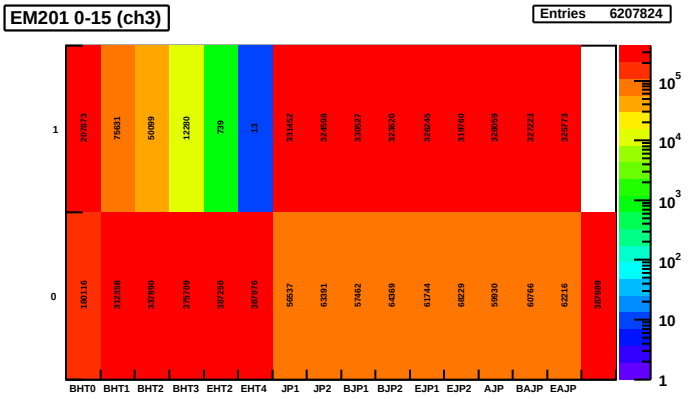

Endcap Jet Patches
Entries 2327934
JP ADC
JP ID

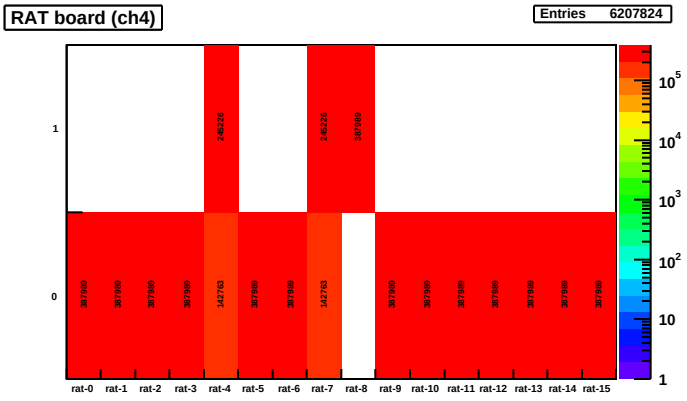

Hybrid Jet Patches
Entries 775978
JP ADC
JP ID

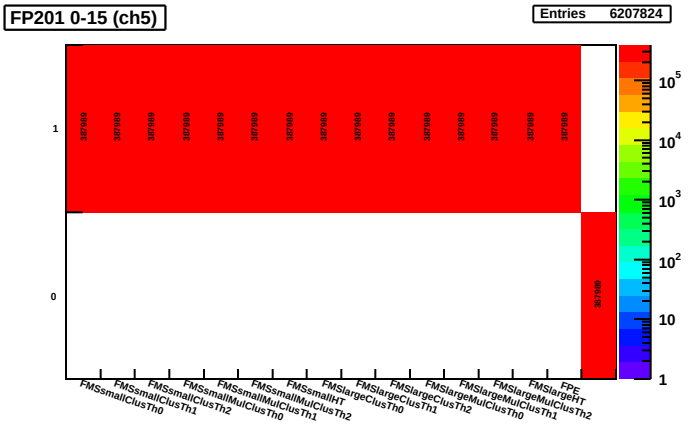

TF201 0-15 (ch0)
Entries 6207824
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

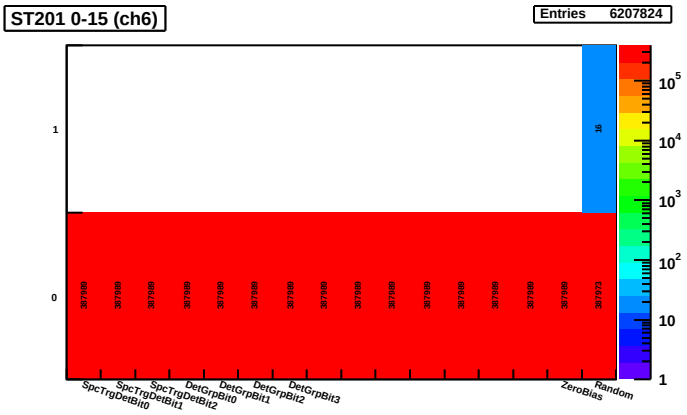

VT201 0-15 (ch1)
Entries 6207824
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

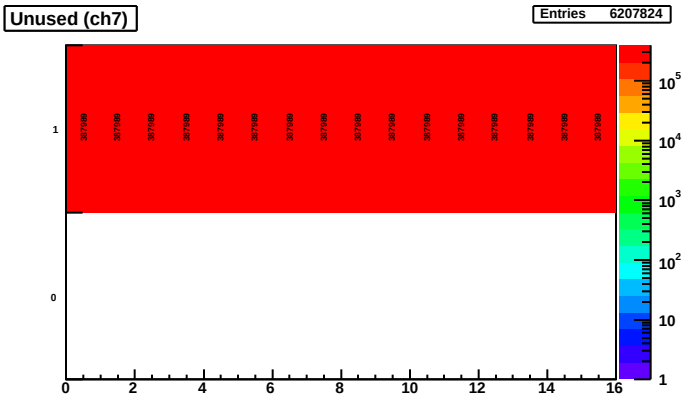

Unused (ch2)
Entries 6207824

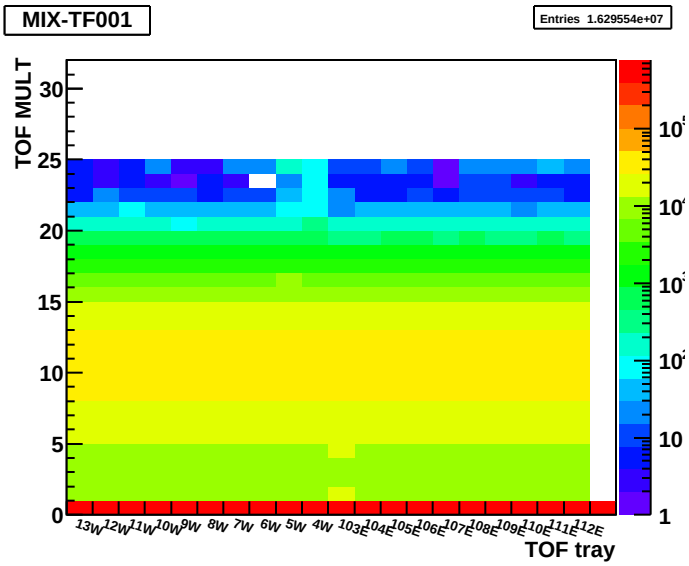

EM201 0-15 (ch3)
Entries 6207824
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

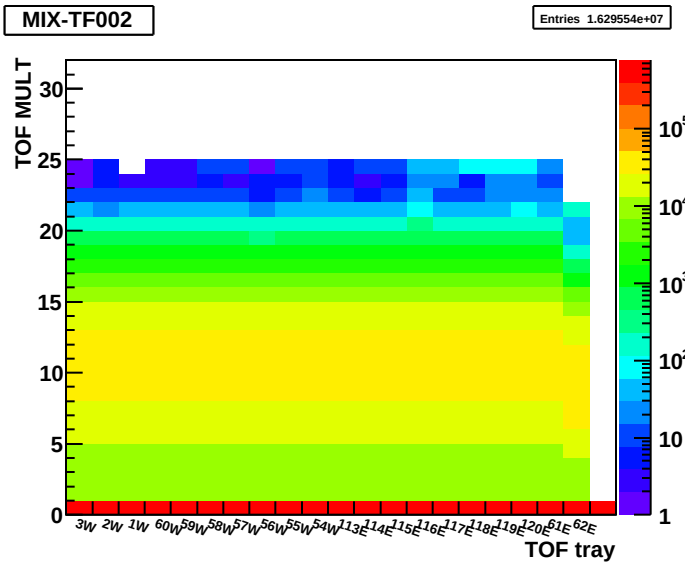

RAT board (ch4)
Entries 6207824
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

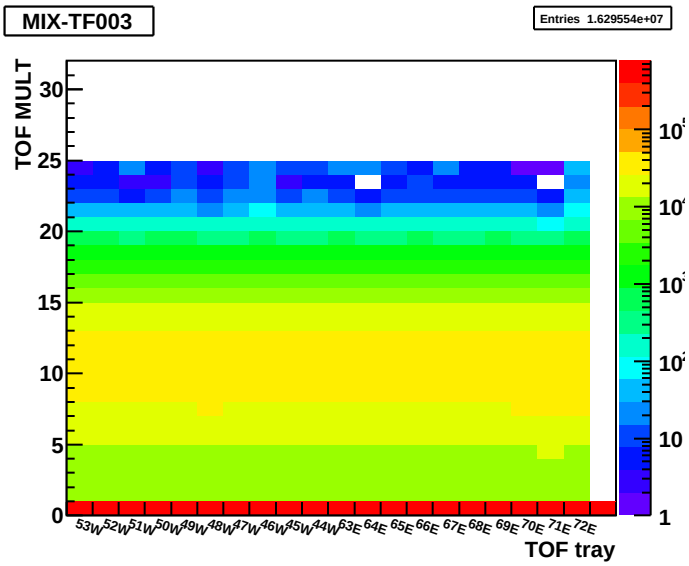

FP201 0-15 (ch5)
Entries 6207824
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

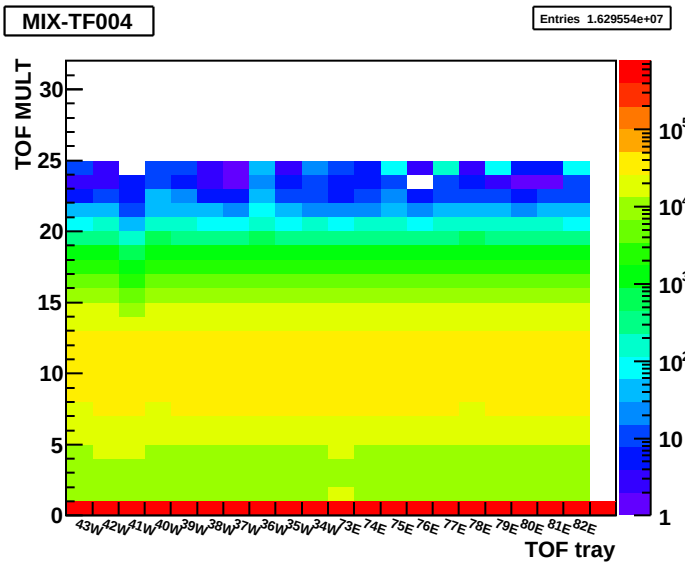

ST201 0-15 (ch6)
Entries 6207824
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

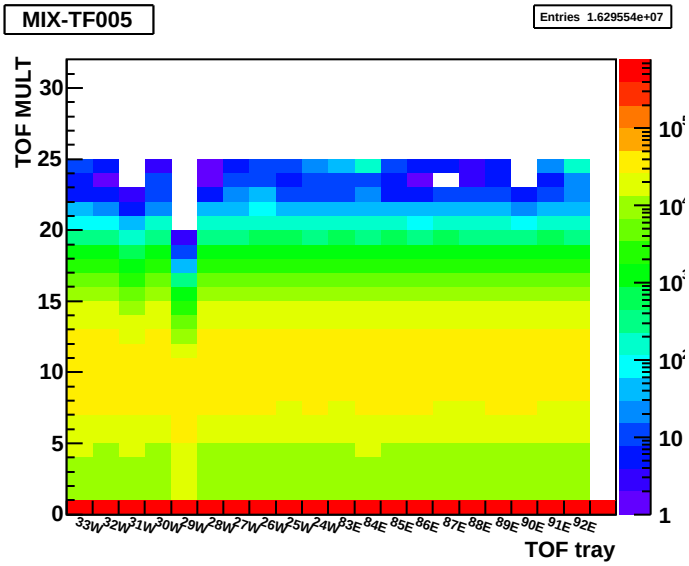

Unused (ch7)
Entries 6207824

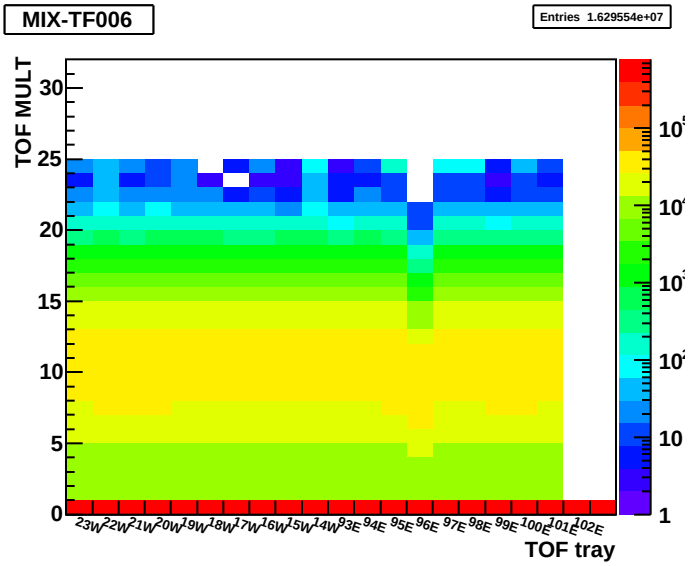

MIX-TF001
Entries 1.629554e+07
TOF MULT
TOF tray

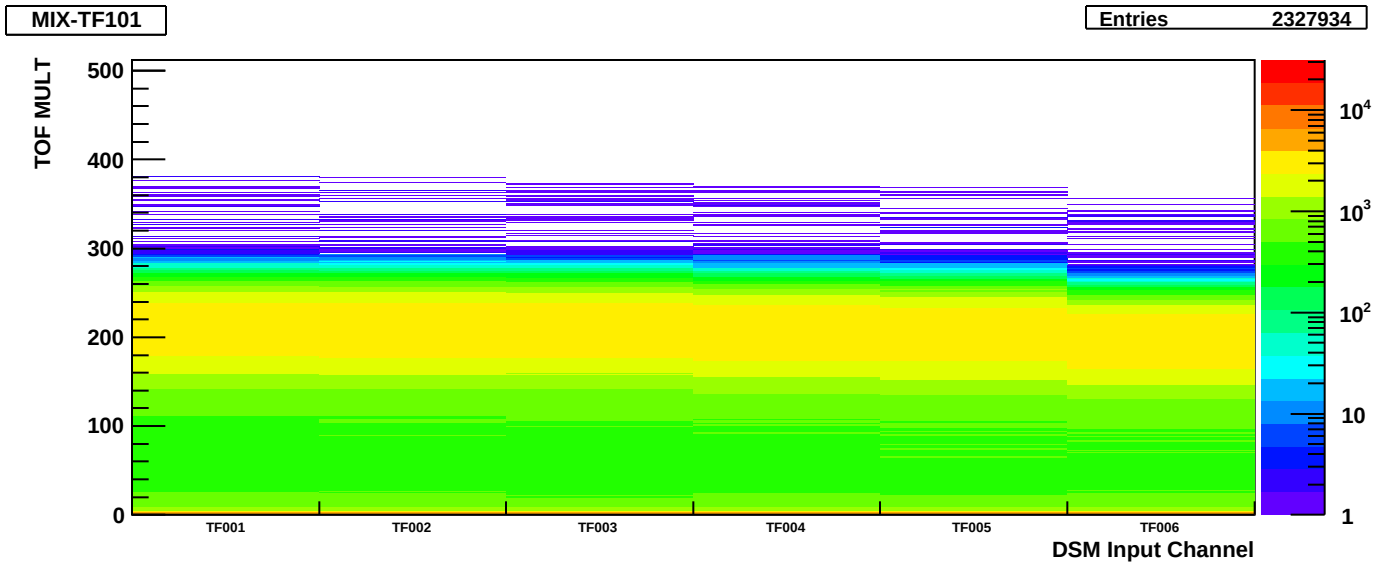

MIX-TF002
Entries 1.629554e+07
TOF MULT
TOF tray

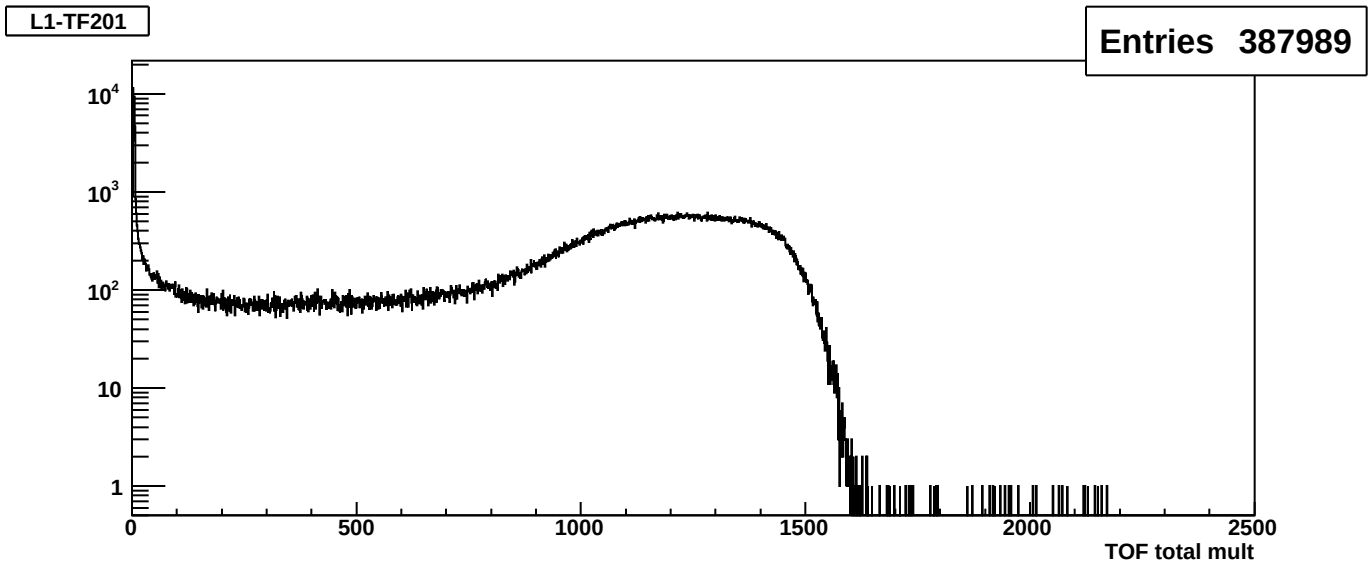

MIX-TF003
Entries 1.629554e+07
TOF MULT
TOF tray

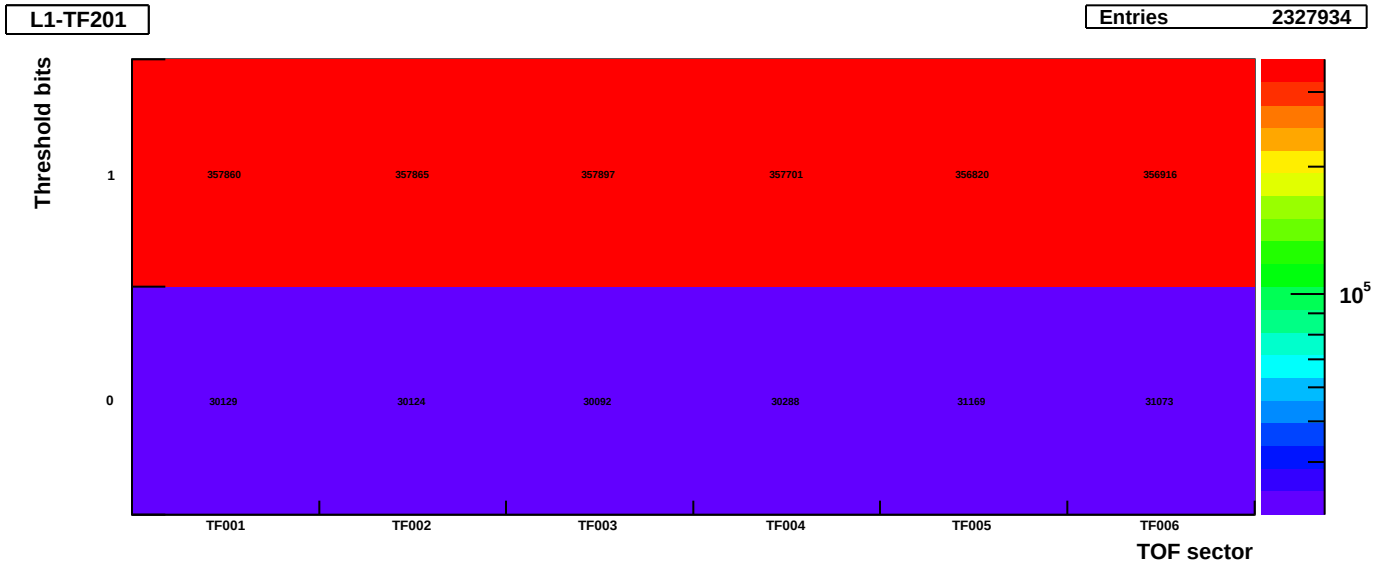

MIX-TF004
Entries 1.629554e+07
TOF MULT
TOF tray

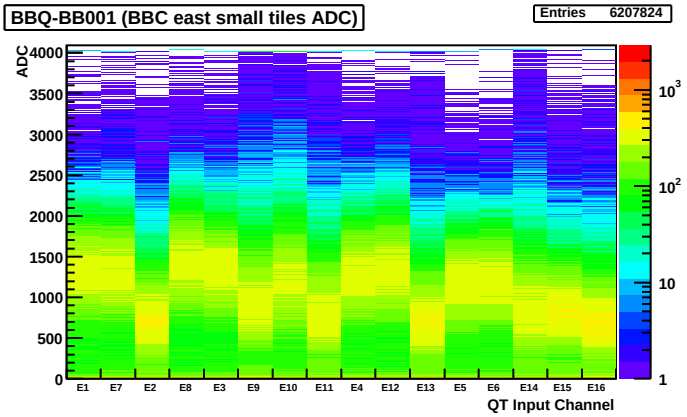

MIX-TF005
Entries 1.629554e+07
TOF MULT
TOF tray

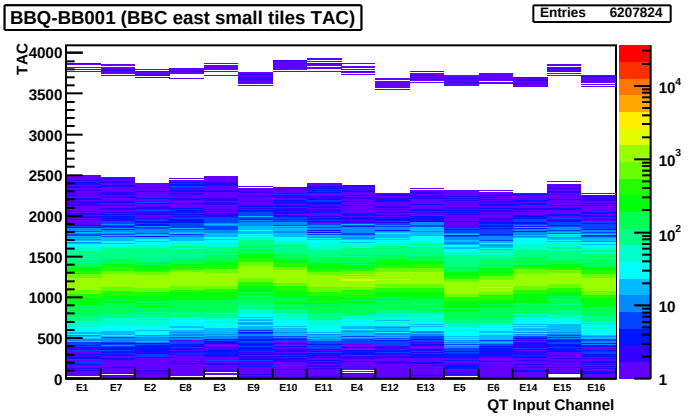

MIX-TF006
Entries 1.629554e+07
TOF MULT
TOF tray

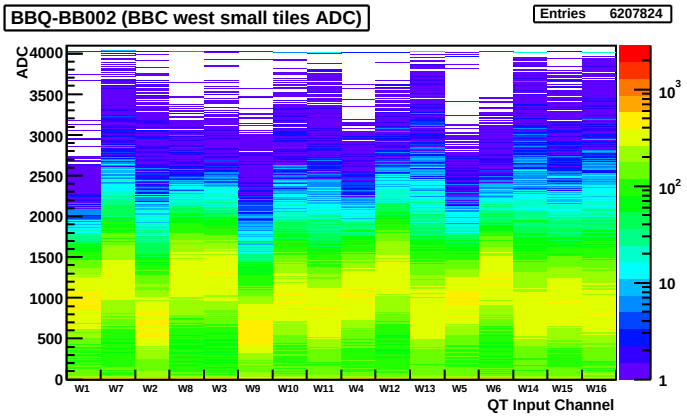

MIX-TF101
Entries 2327934
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

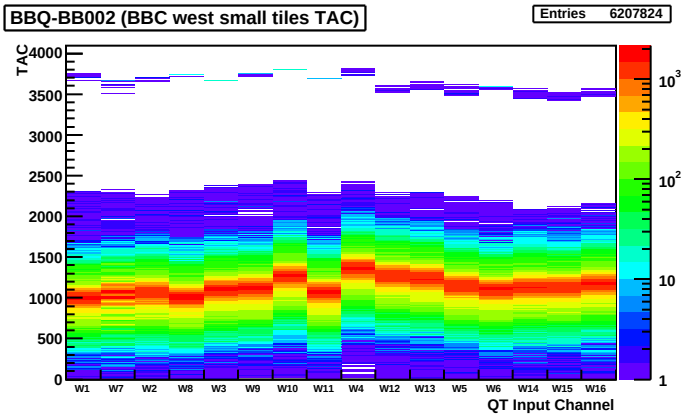

L1-TF201
Entries 387989
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

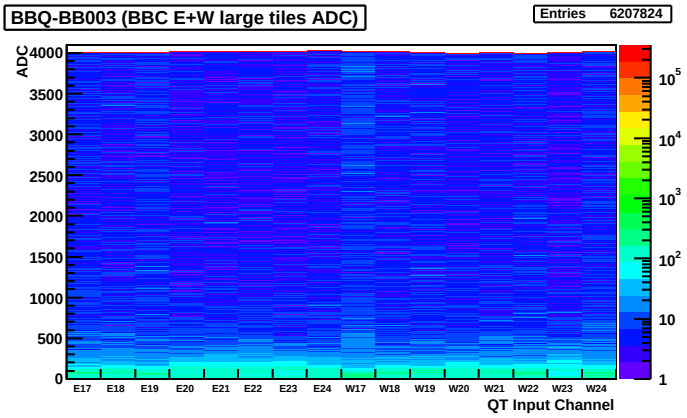

L1-TF201
Entries 2327934
Threshold bits
1
0
357860
357865
357897
357701
356820
356916
30129
30124
30092
30288
31169
31073
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

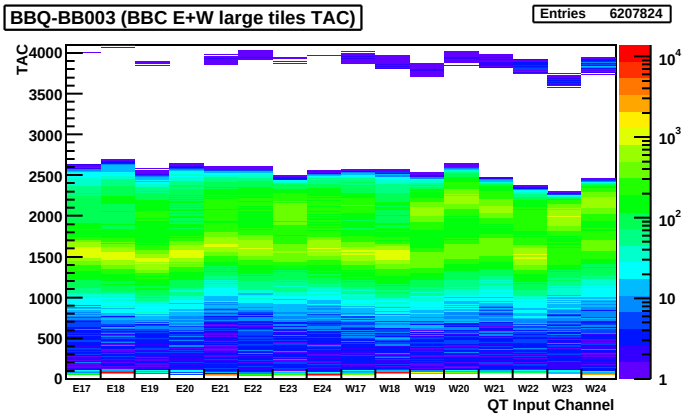

BBQ-BB001 (BBC east small tiles ADC)
Entries 6207824
ADC
QT Input Channel

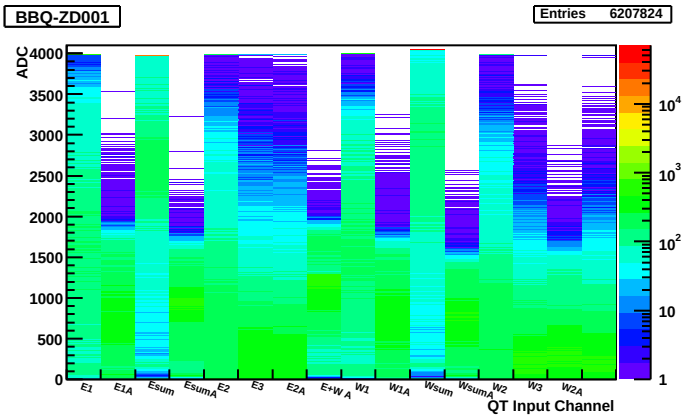

BBQ-BB001 (BBC east small tiles TAC)
Entries 6207824
TAC
QT Input Channel

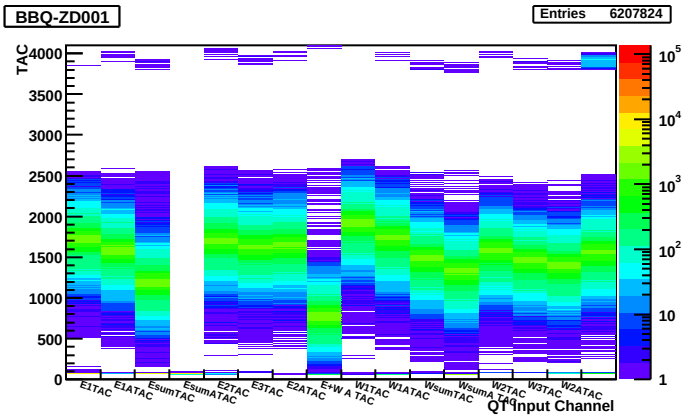

BBQ-BB002 (BBC west small tiles ADC)
Entries 6207824
ADC
QT Input Channel

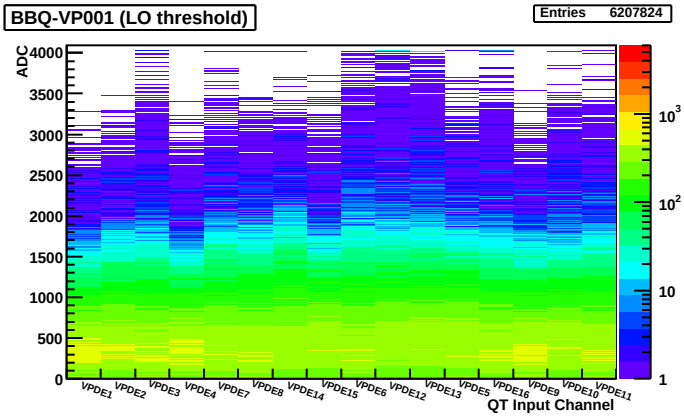

BBQ-BB002 (BBC west small tiles TAC)
Entries 6207824
TAC
QT Input Channel

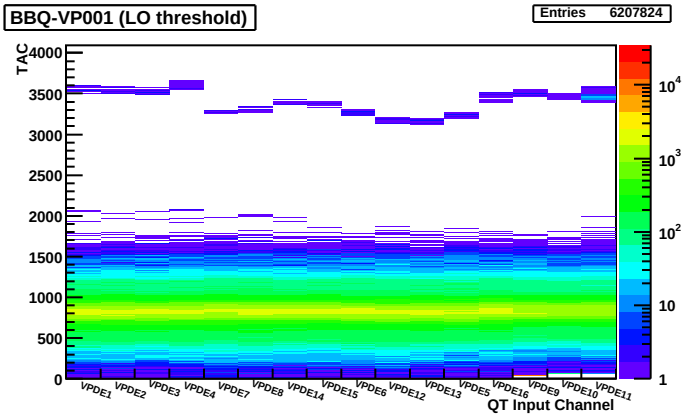

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6207824
ADC
QT Input Channel

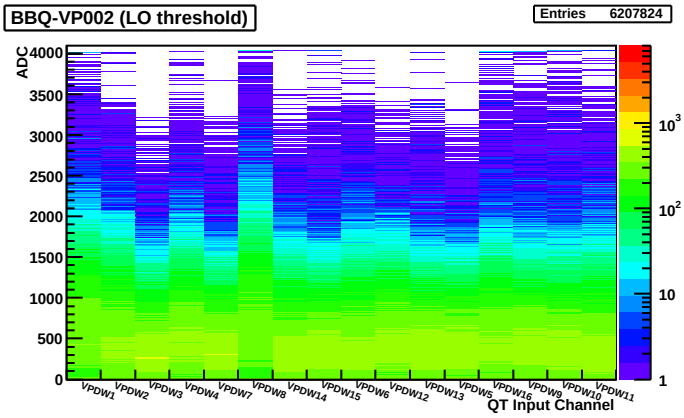

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6207824
TAC
QT Input Channel

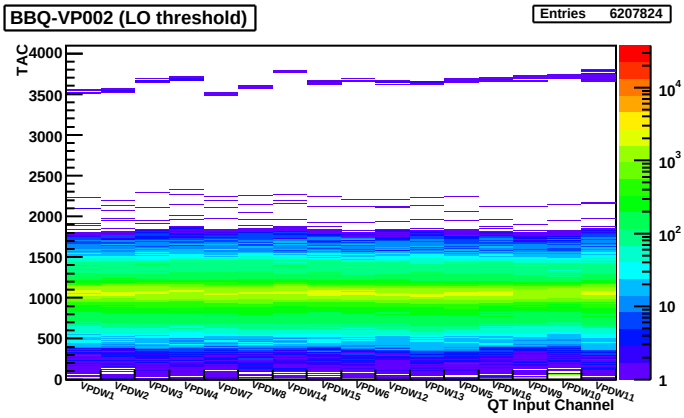

BBQ-ZD001
Entries 6207824
ADC
QT Input Channel

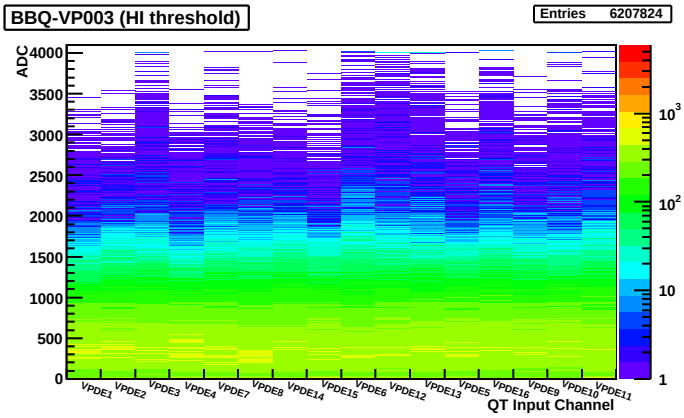

BBQ-ZD001
Entries 6207824
TAC
QT Input Channel

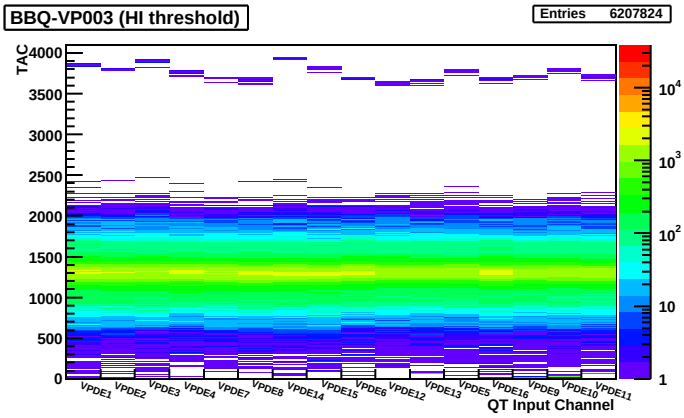

BBQ-VP001 (LO threshold)
Entries 6207824
ADC
QT Input Channel

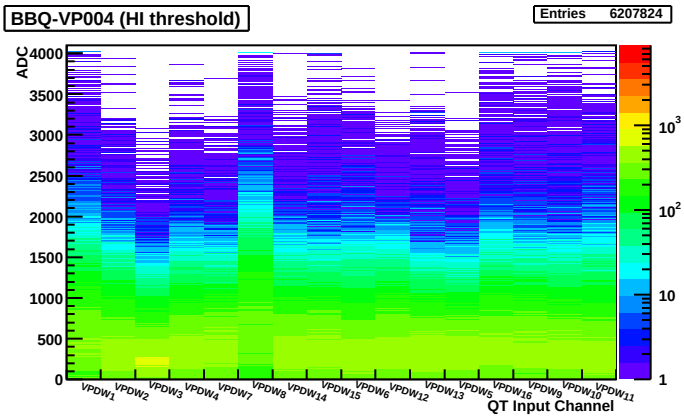

BBQ-VP001 (LO threshold)
Entries 6207824
TAC
QT Input Channel

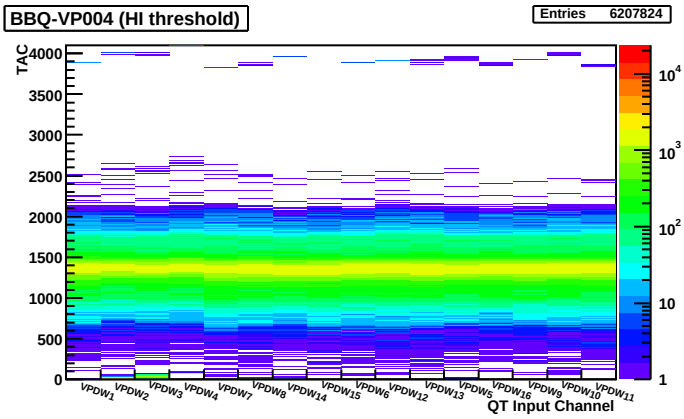

BBQ-VP002 (LO threshold)
Entries 6207824
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 6207824
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6207824
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6207824
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6207824
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6207824
TAC
QT Input Channel