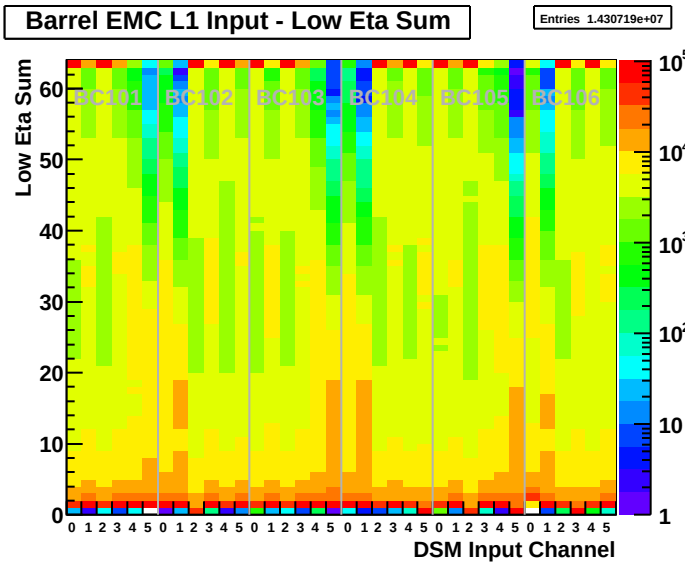
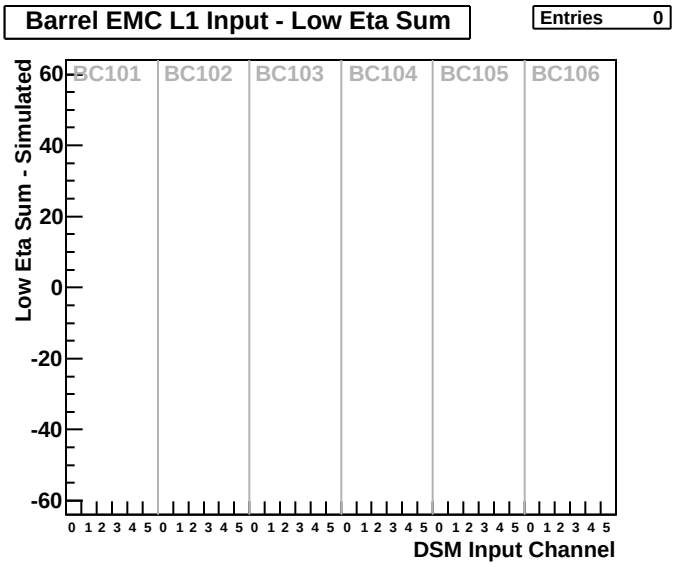
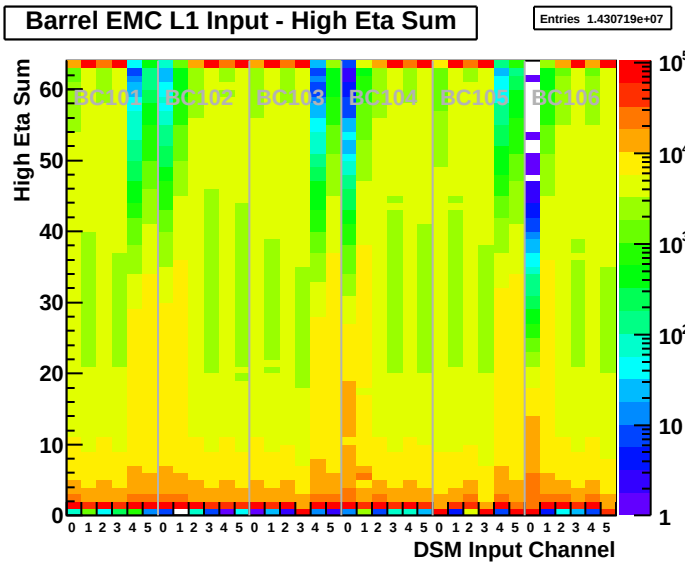
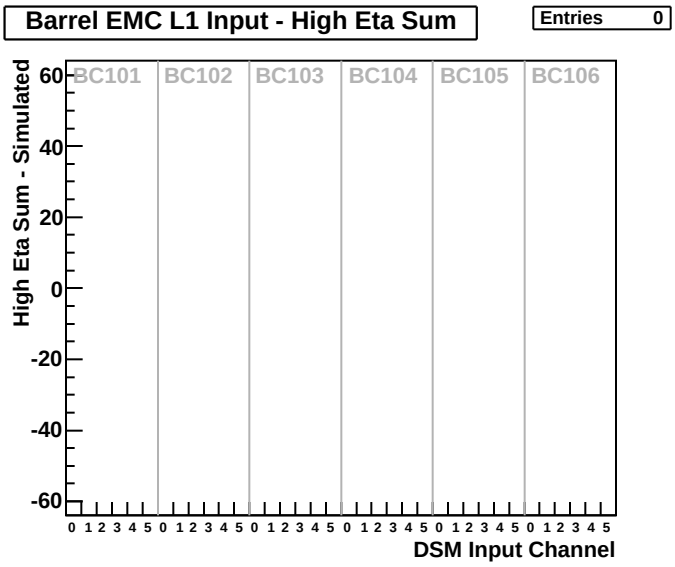
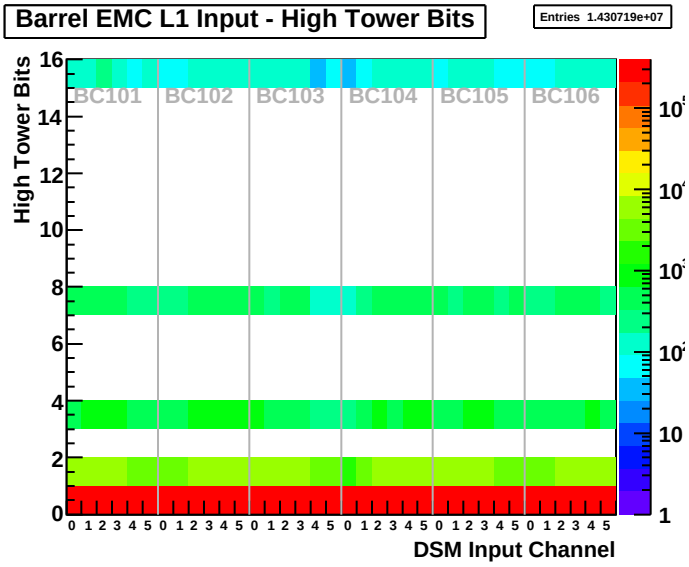
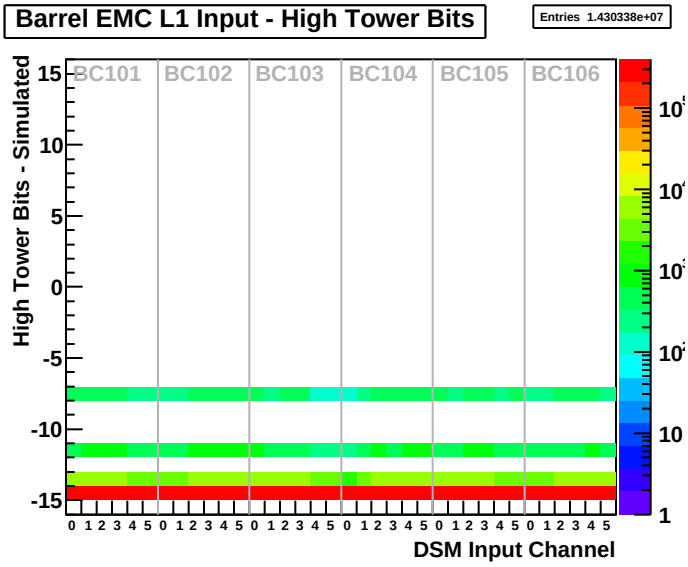

Barrel EMC L1 Input - Low Eta Sum
Entries 1.430719e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

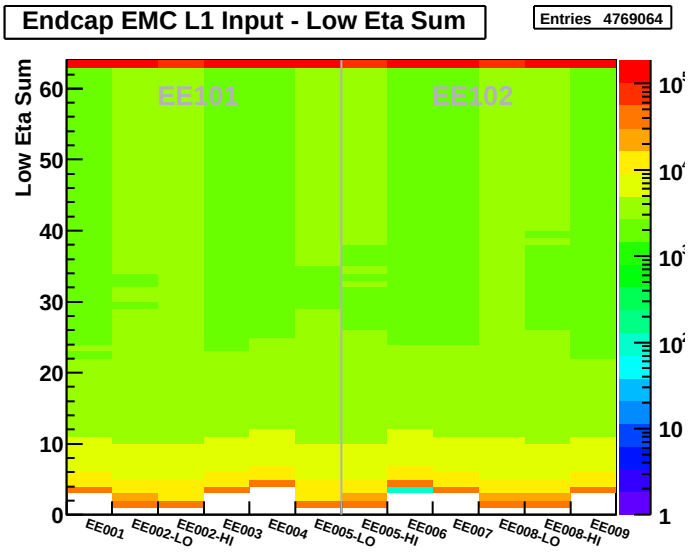

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

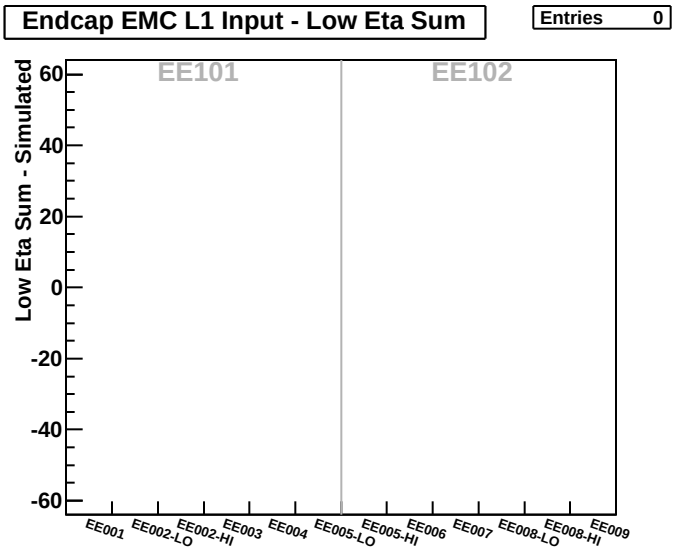

Barrel EMC L1 Input - High Eta Sum
Entries 1.430719e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

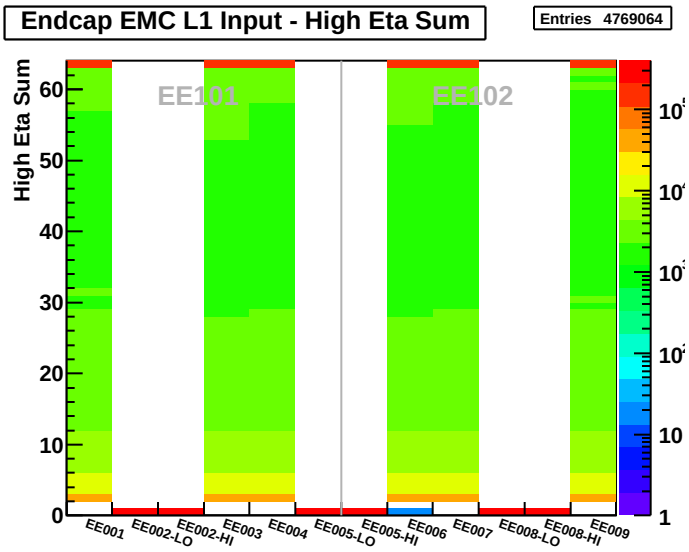

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

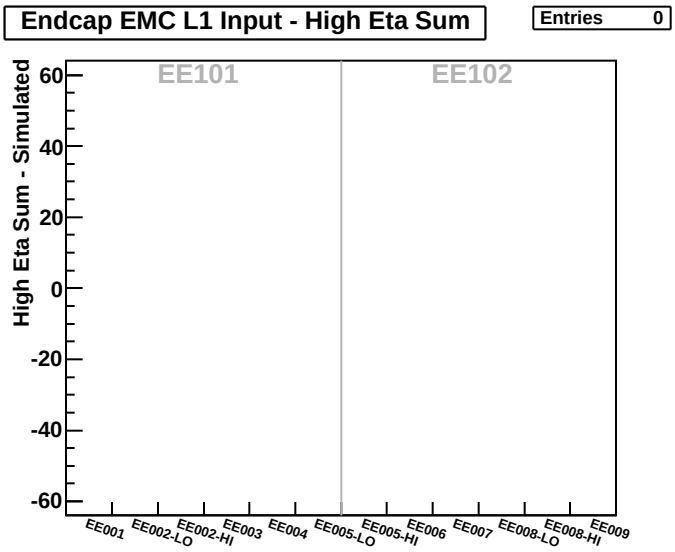

Barrel EMC L1 Input - High Tower Bits
Entries 1.430719e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

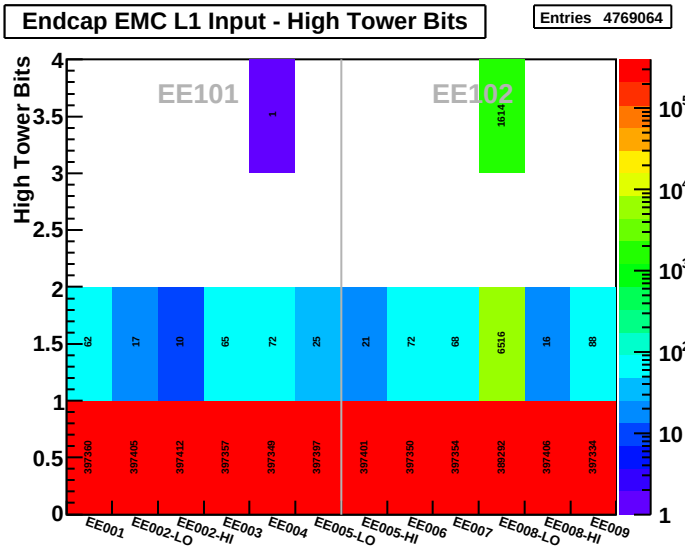

Barrel EMC L1 Input - High Tower Bits
Entries 1.430338e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

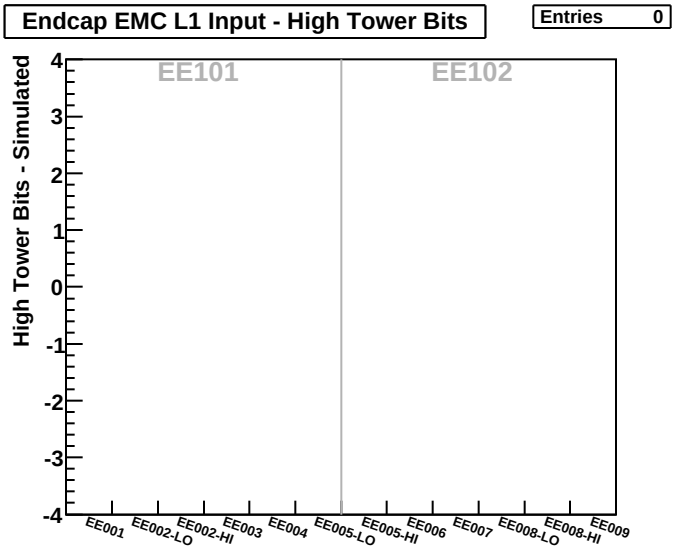

Endcap EMC L1 Input - Low Eta Sum
Entries 4769064
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

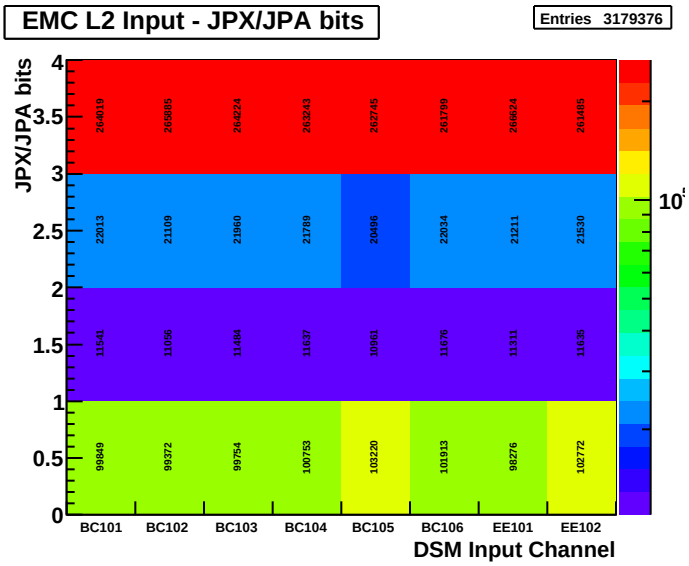

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

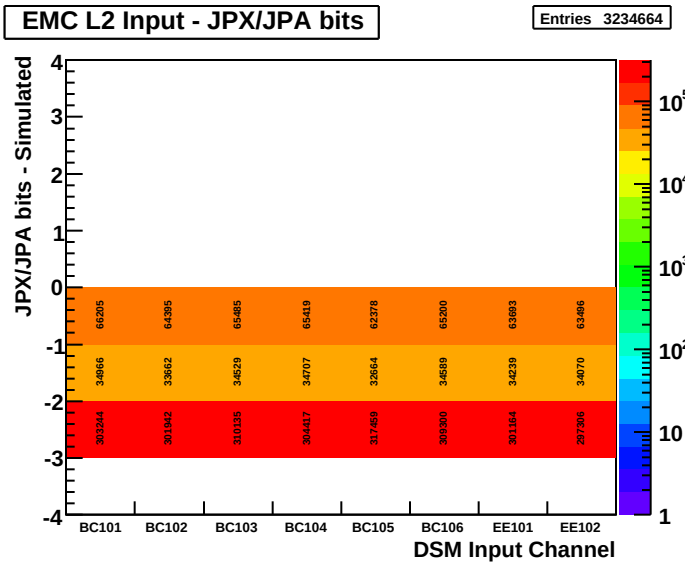

Endcap EMC L1 Input - High Eta Sum
Entries 4769064
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

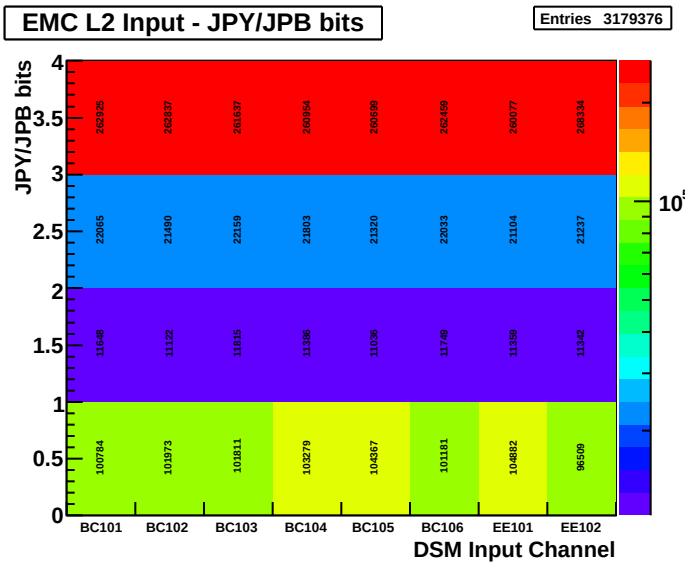

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

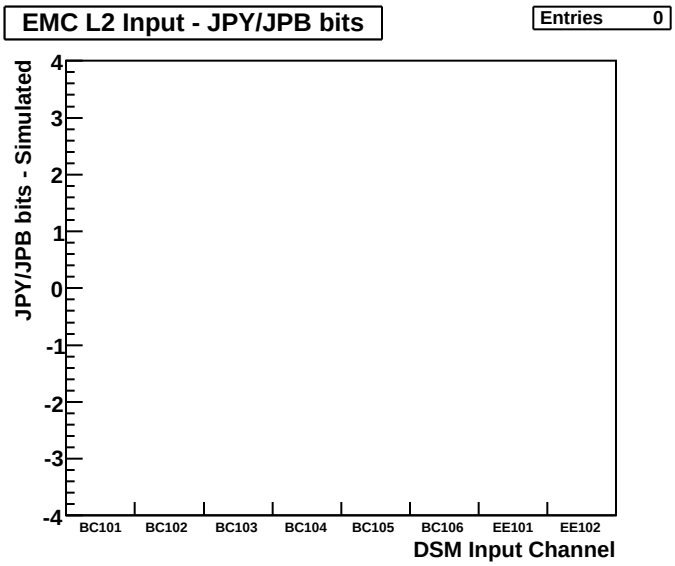

Endcap EMC L1 Input - High Tower Bits
Entries 4769064
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

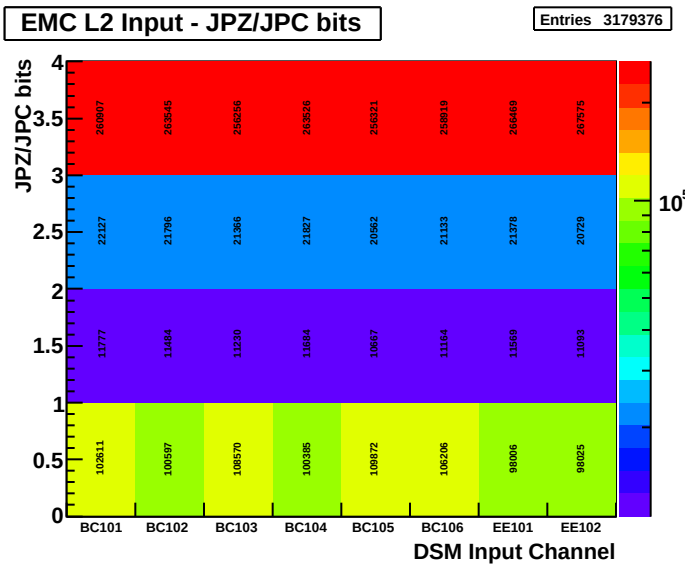

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

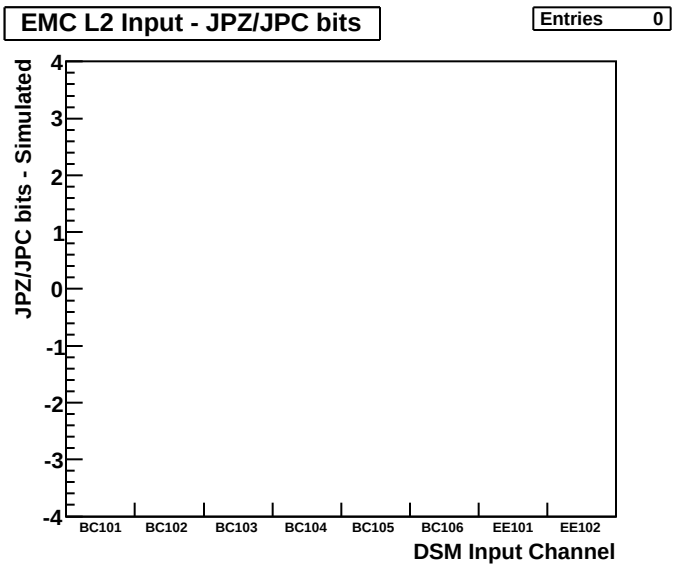

EMC L2 Input - JPX/JPA bits
Entries 3179376
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
254019 255885 254224 253243 252745 251799 256824 251485
22013 21109 21960 21789 20496 22034 21211 21530
11541 11056 11484 11637 10961 11676 11311 11655
99849 99372 99754 100753 103220 101913 98276 102772

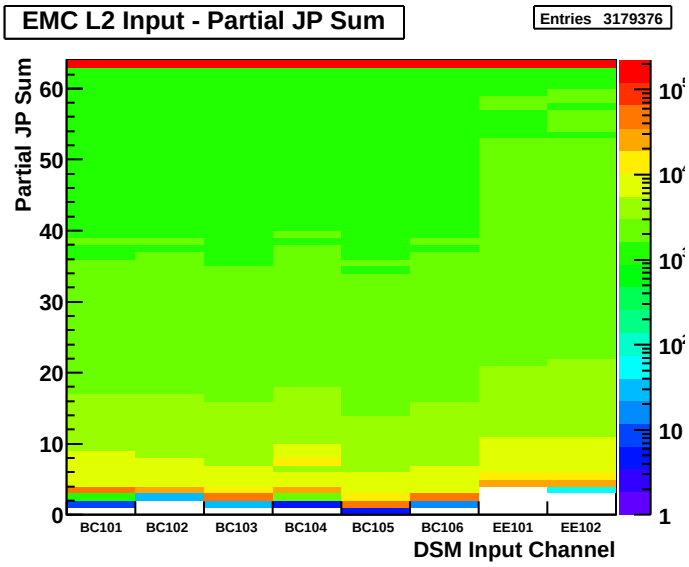

EMC L2 Input - JPX/JPA bits
Entries 3234664
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
65205 64395 65485 65419 62378 65200 63693 63486
34966 33662 34529 34707 32664 34589 34239 34070
303244 301942 310135 304417 317459 309300 301164 297306

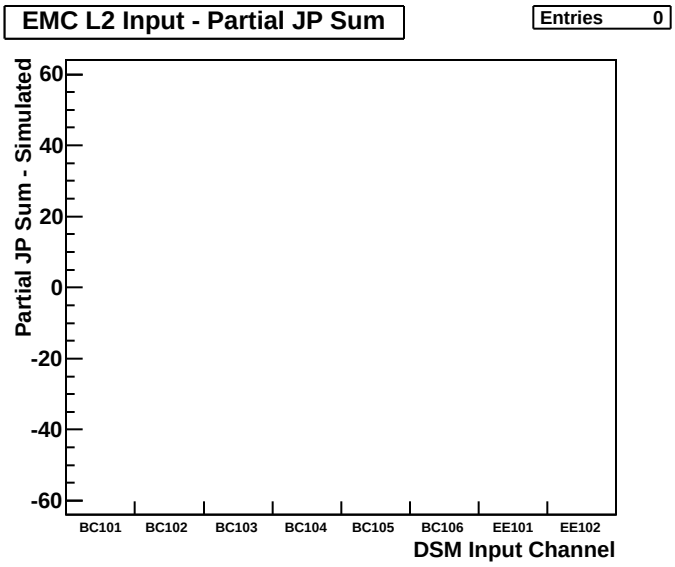

EMC L2 Input - JPY/JPB bits
Entries 3179376
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
262925 262837 261637 260954 260699 262459 260077 268334
22065 21490 22159 21803 21320 22033 21104 21237
11646 11122 11915 11386 11036 11749 11359 11342
100784 101973 101811 103279 104367 101181 104882 96509

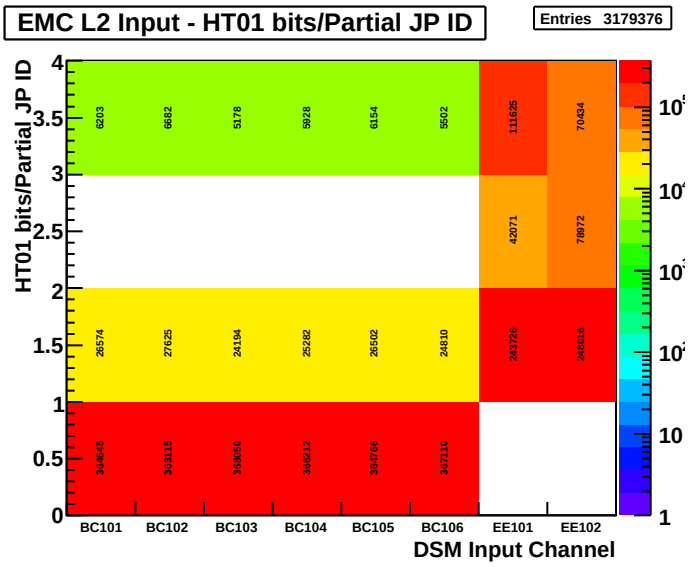

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

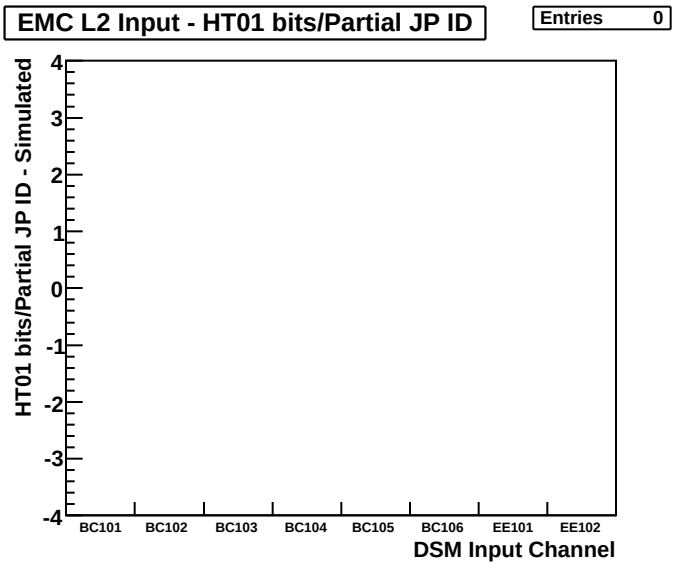

EMC L2 Input - JPZ/JPC bits
Entries 3179376
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
260907 263545 258256 263526 255321 258919 266469 267575
22127 21796 21366 21827 20562 21133 21378 20729
11777 11484 11230 11684 10667 11164 11569 11093
102611 100597 108570 100385 109872 106206 98006 98025

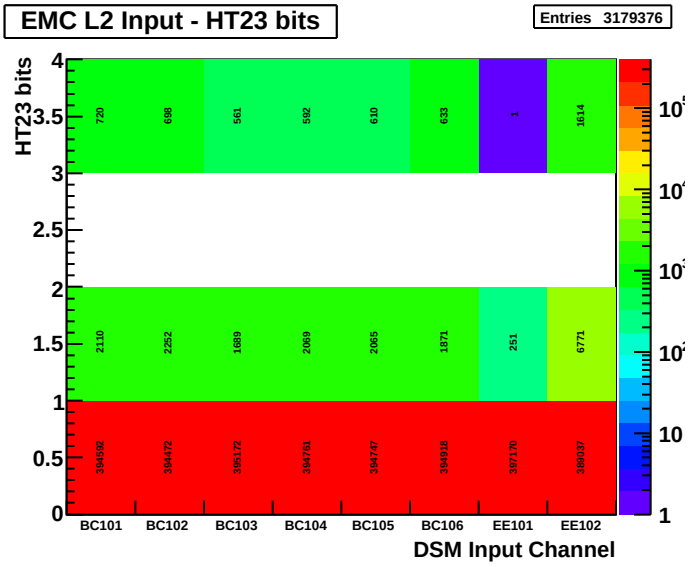

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

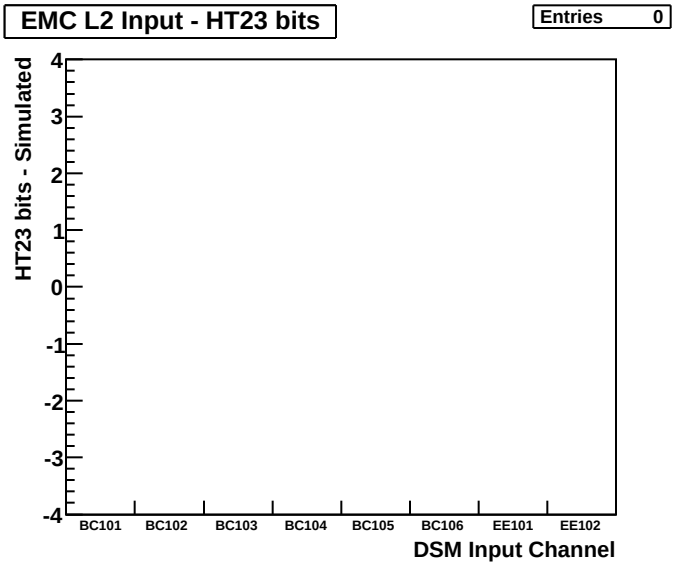

EMC L2 Input - Partial JP Sum
Entries 3179376
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

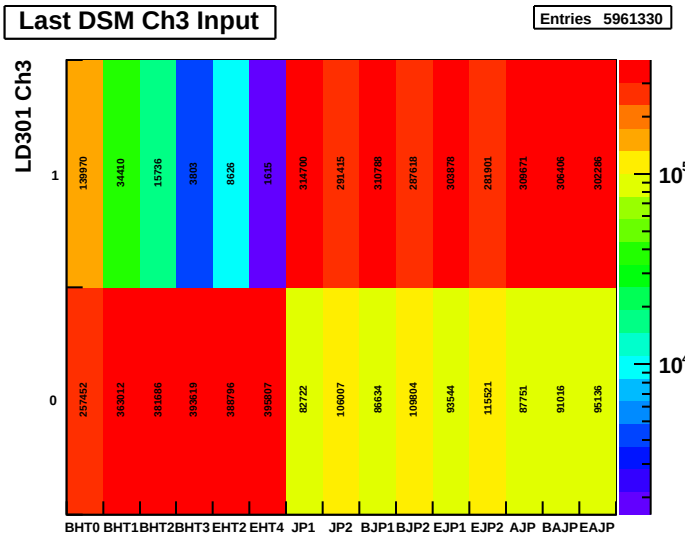

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

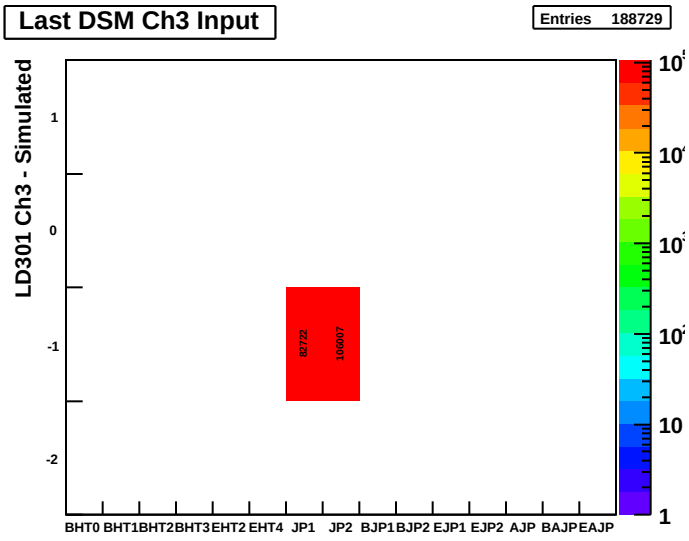

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3179376
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

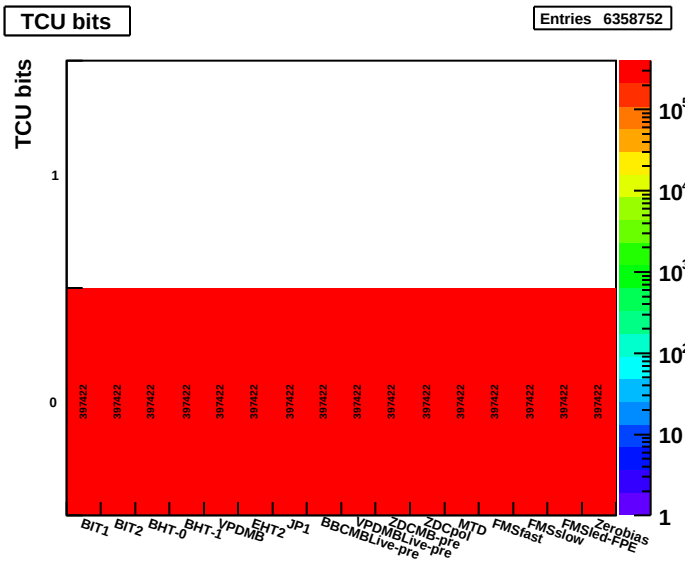

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

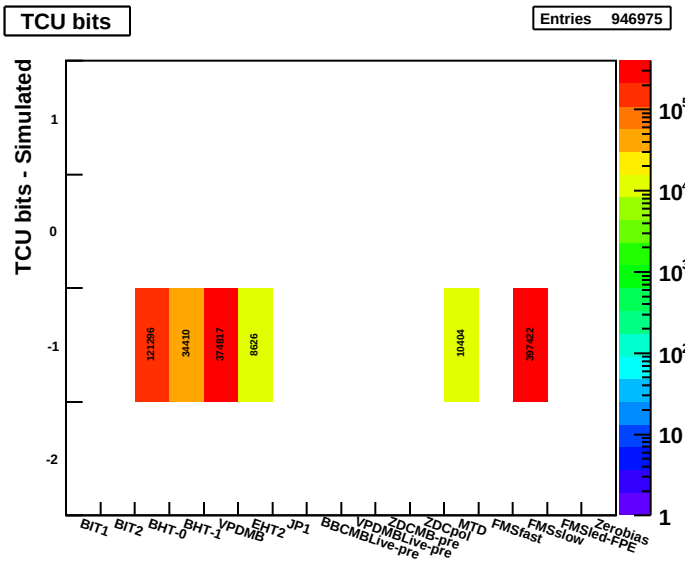

EMC L2 Input - HT23 bits
Entries 3179376
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

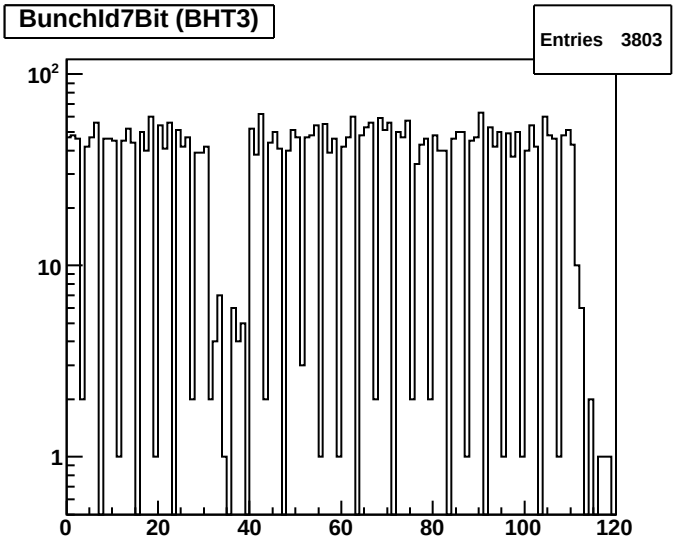

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

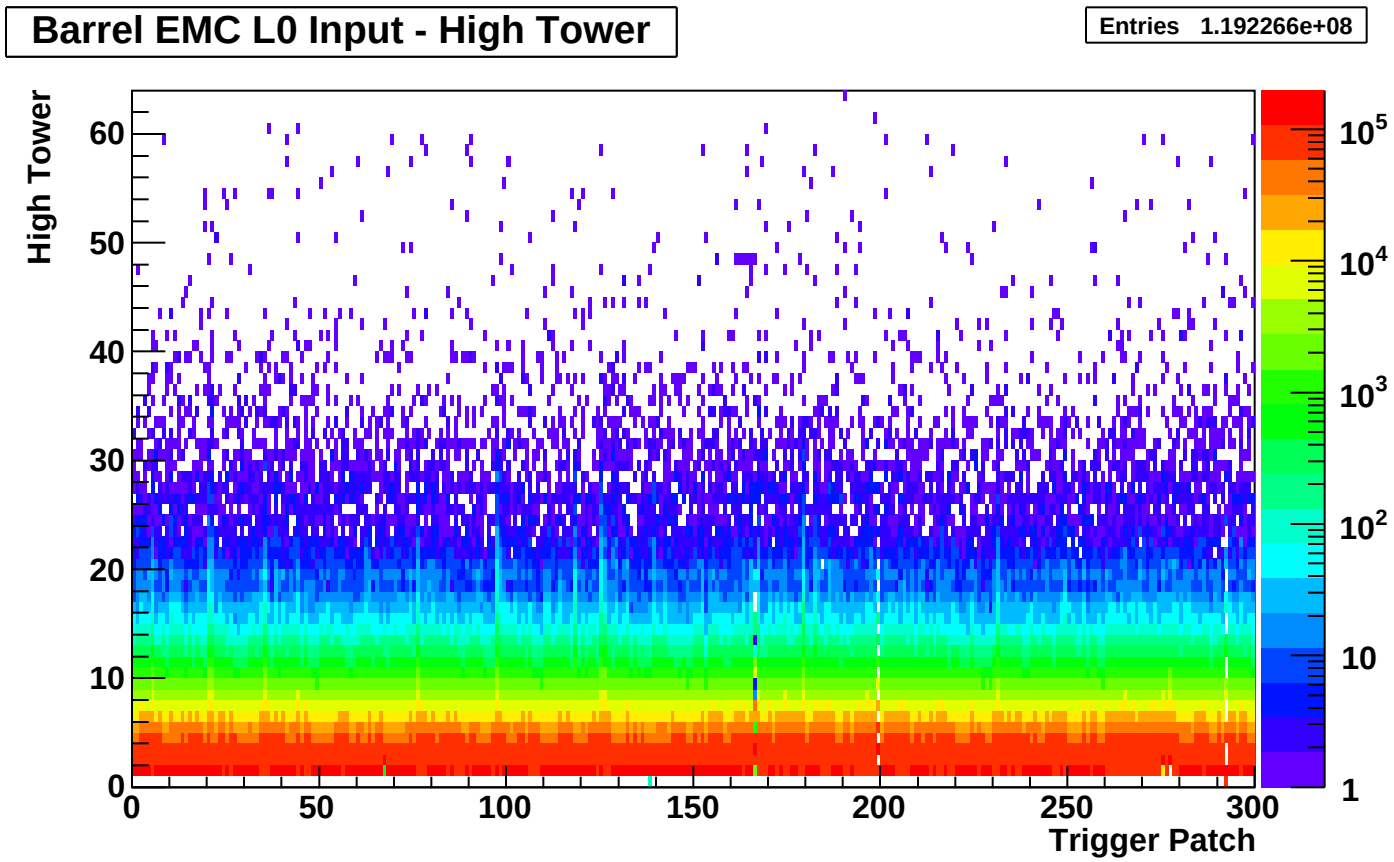

Last DSM Ch3 Input
Entries 5961330
LD301 Ch3
1
0
139970
34410
15736
3803
8626
1615
314700
291415
310788
287618
303878
281901
309671
306406
302286
257452
363012
381686
393619
388796
395807
82722
106007
86634
109804
93544
115521
87751
91016
95136
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

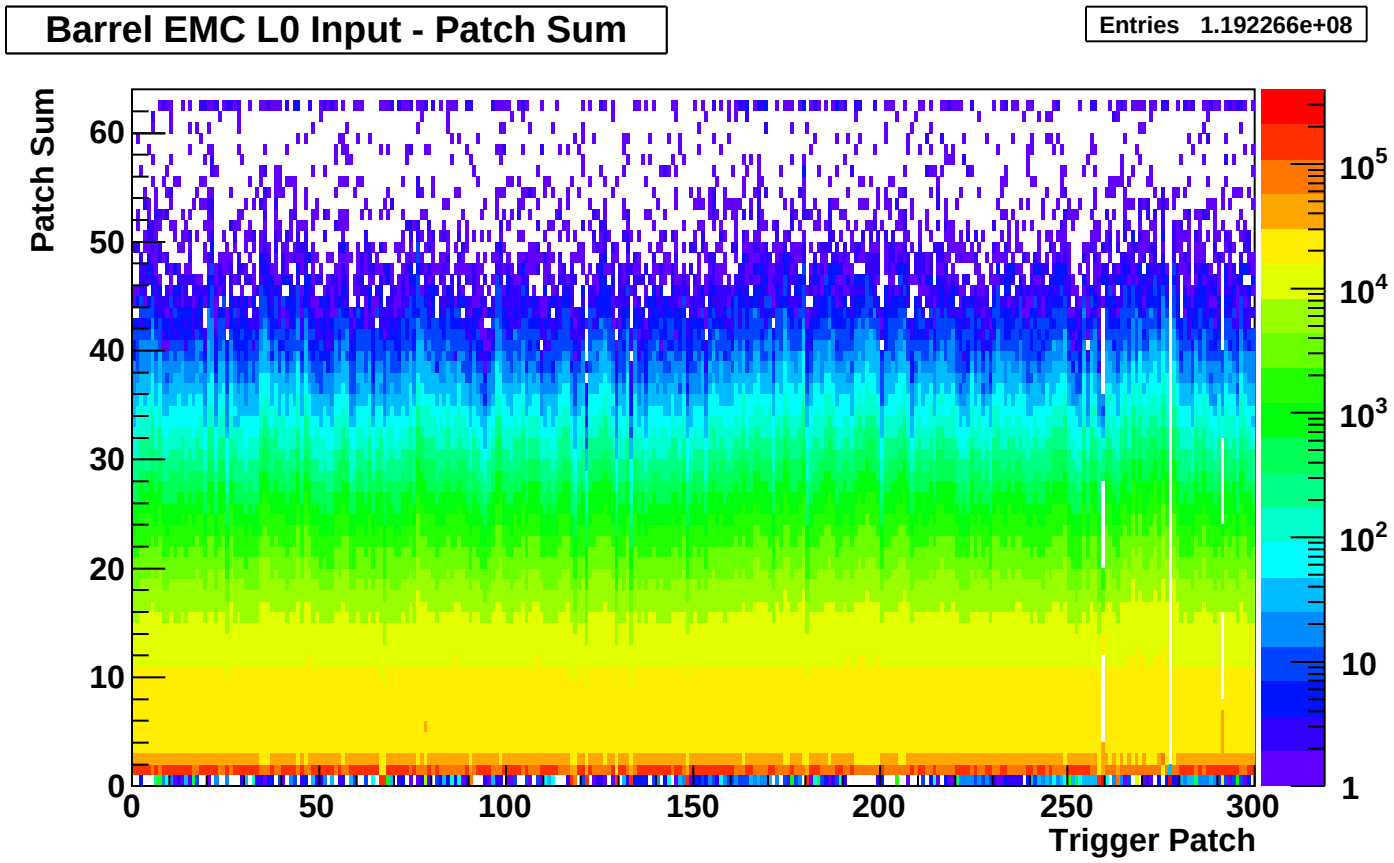

Last DSM Ch3 Input
Entries 188729
LD301 Ch3 - Simulated
1
0
-1
-2
82722
106007
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

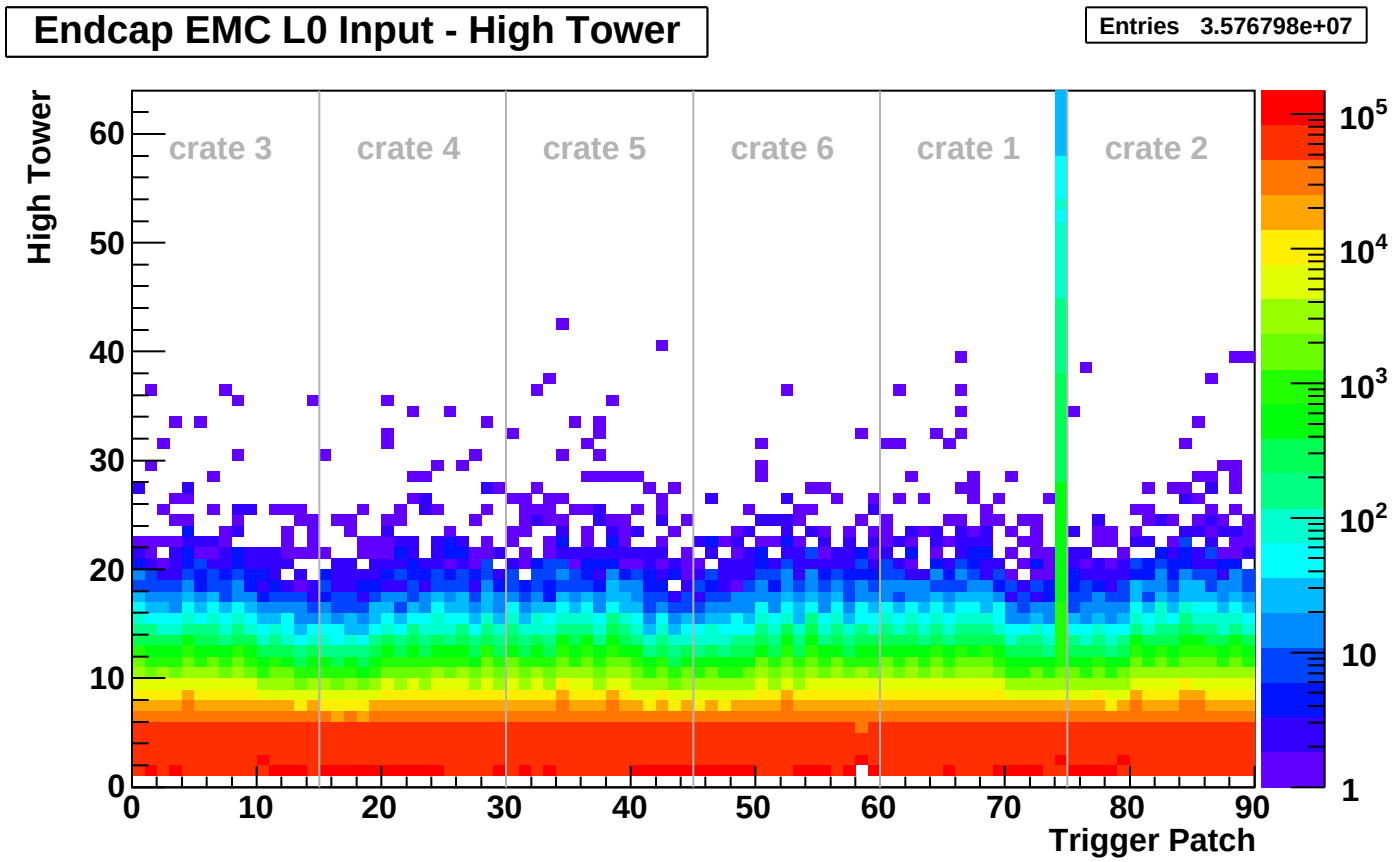

TCU bits
Entries 6358752
TCU bits
1
0
397422
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

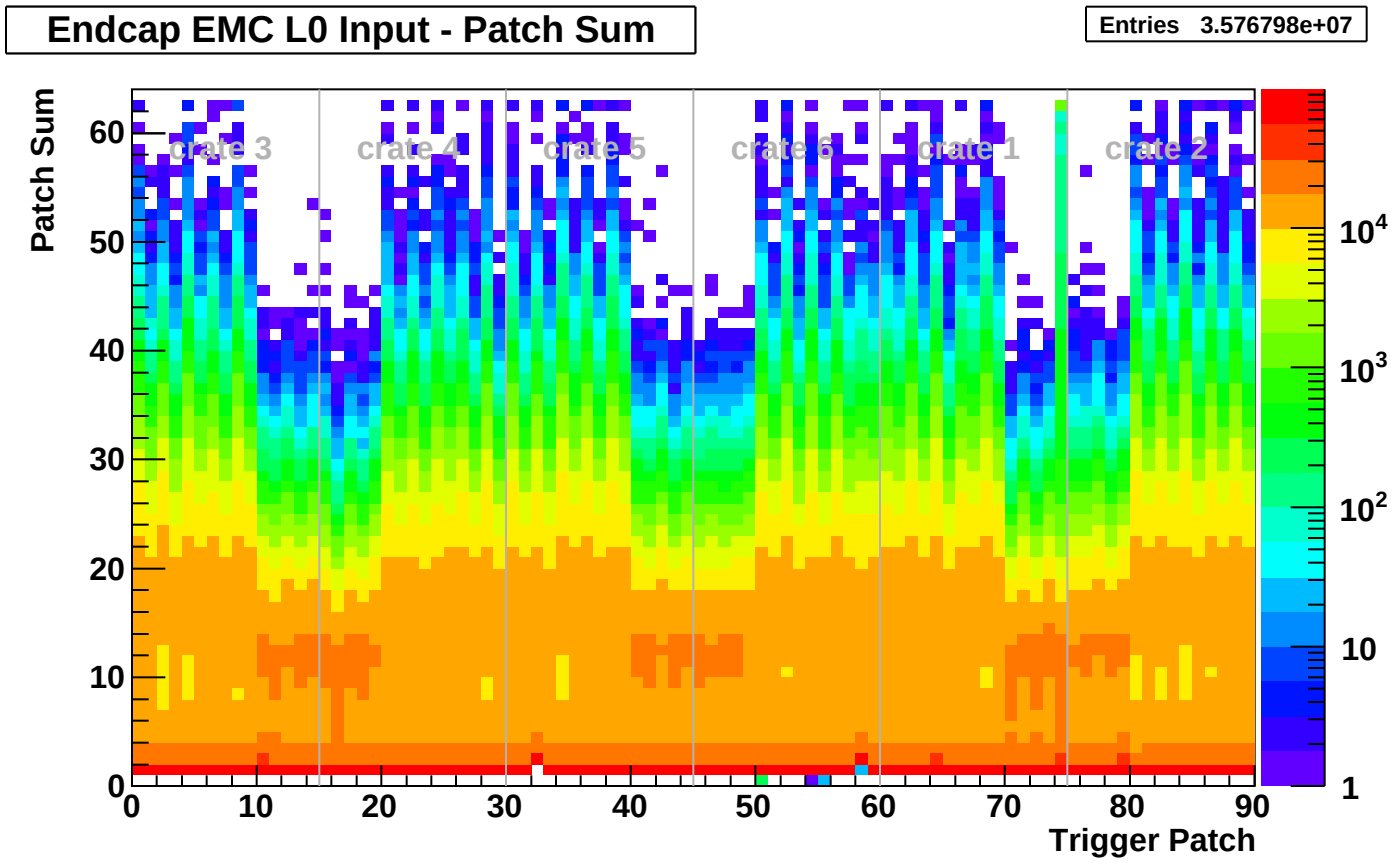

TCU bits
Entries 946975
TCU bits - Simulated
1
0
-1
-2
121296
34410
374817
8626
10404
397422
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

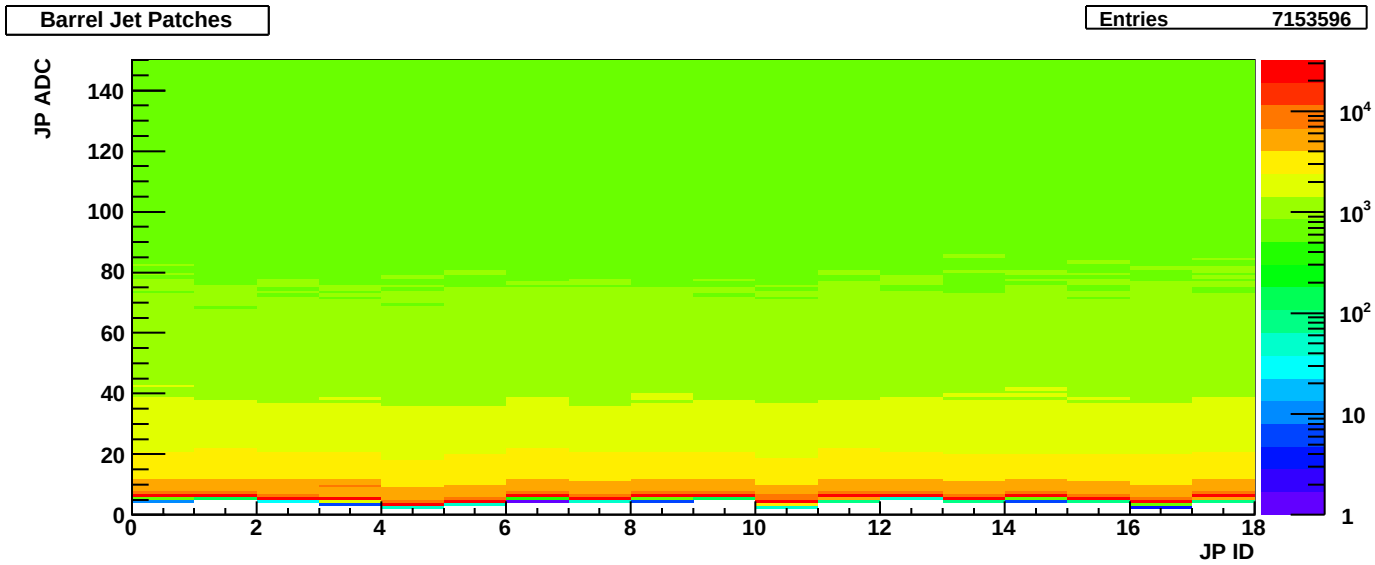

BunchId7Bit (BHT3)
Entries 3803
10²
10
1
0
20
40
60
80
100
120

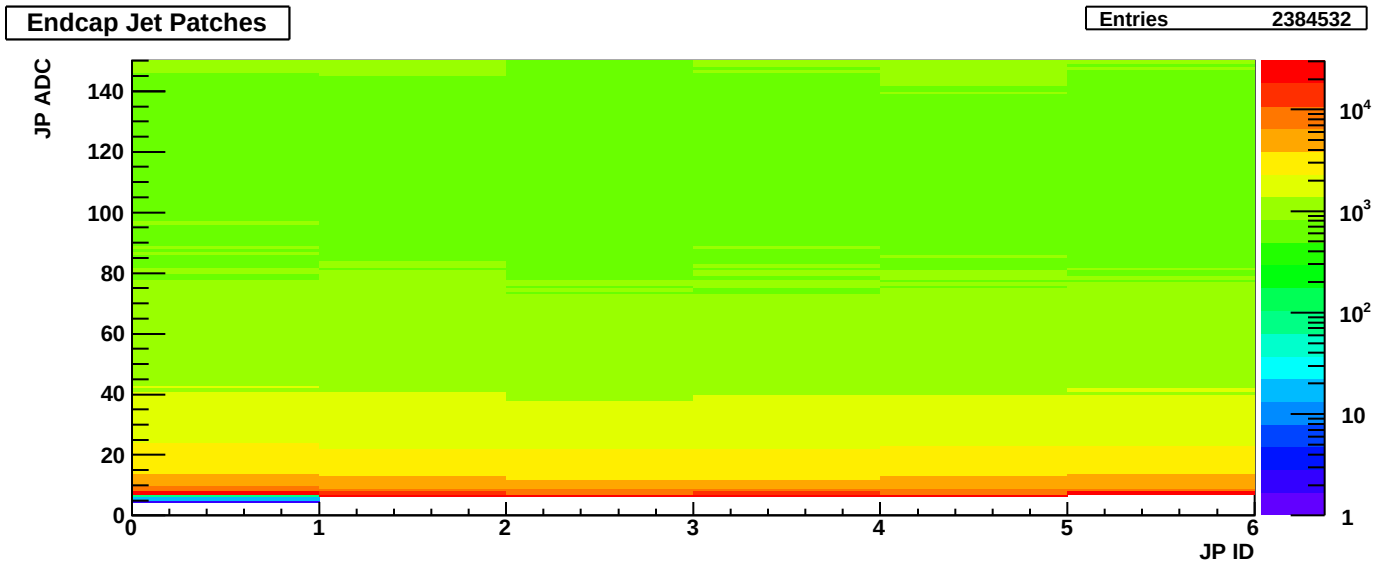

Barrel EMC L0 Input - High Tower
Entries 1.192266e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

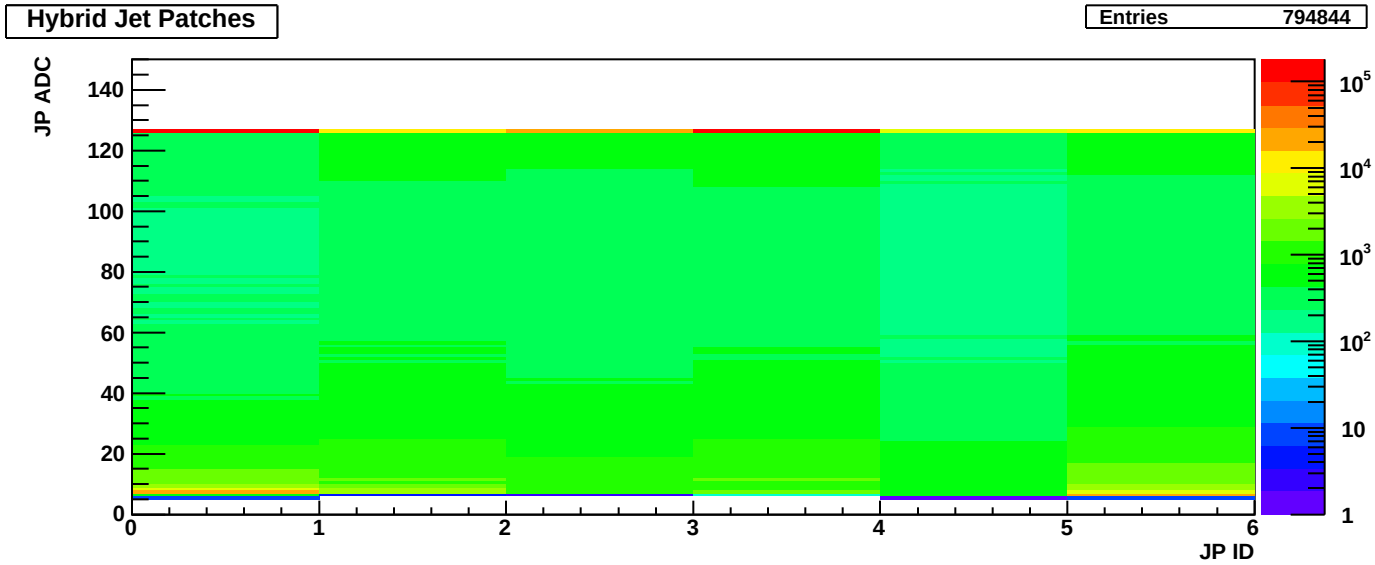

Barrel EMC L0 Input - Patch Sum
Entries 1.192266e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

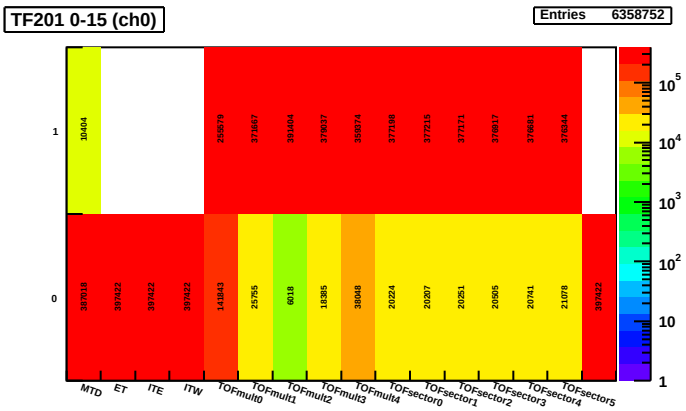

Endcap EMC L0 Input - High Tower
Entries 3.576798e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

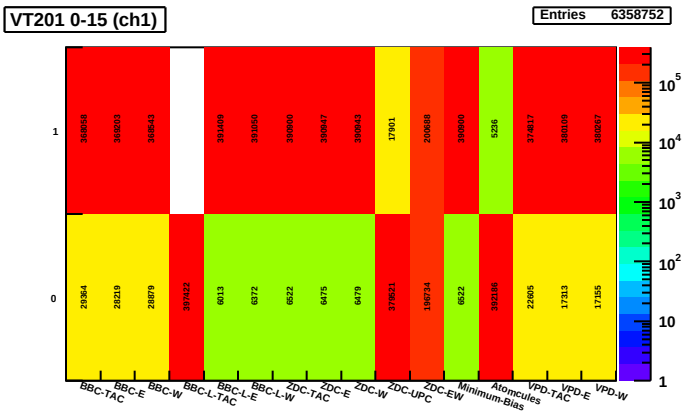

Endcap EMC L0 Input - Patch Sum
Entries 3.576798e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

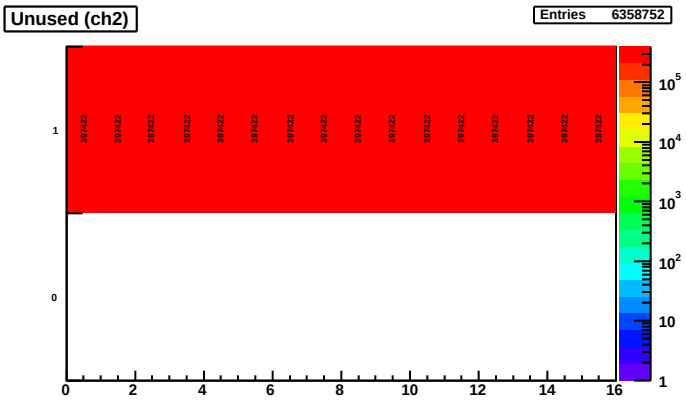

Barrel Jet Patches
Entries 7153596
JP ADC
JP ID

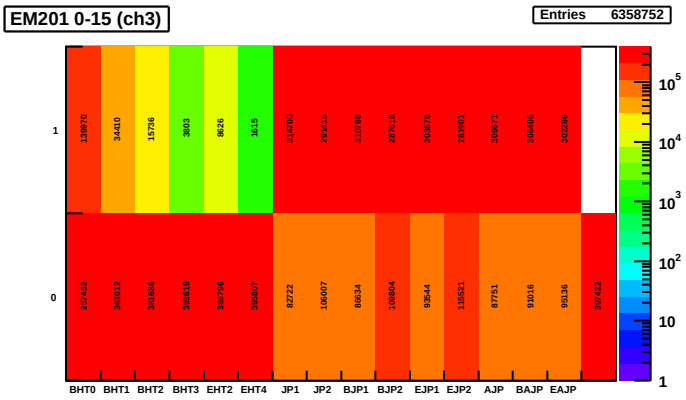

Endcap Jet Patches
Entries 2384532
JP ADC
JP ID

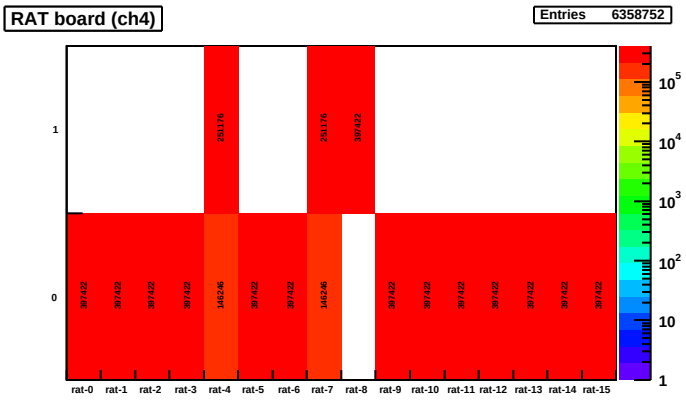

Hybrid Jet Patches
Entries 794844
JP ADC
JP ID

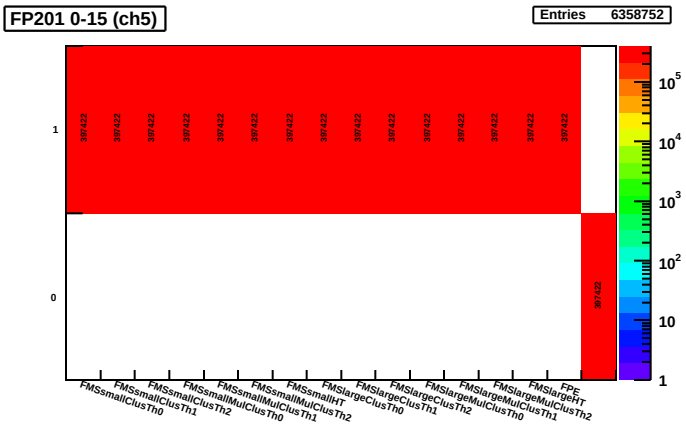

TF201 0-15 (ch0)
Entries 6358752
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

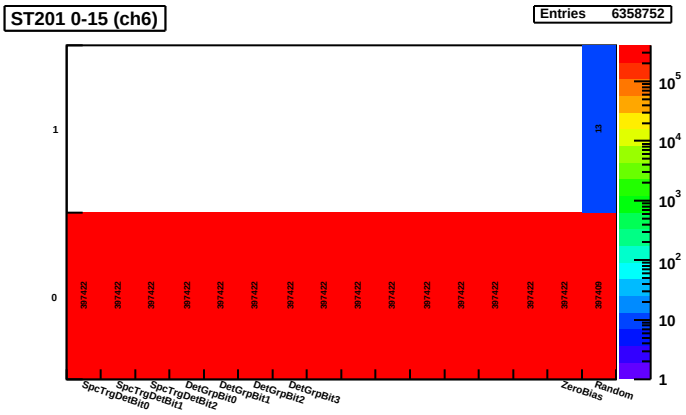

VT201 0-15 (ch1)
Entries 6358752
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

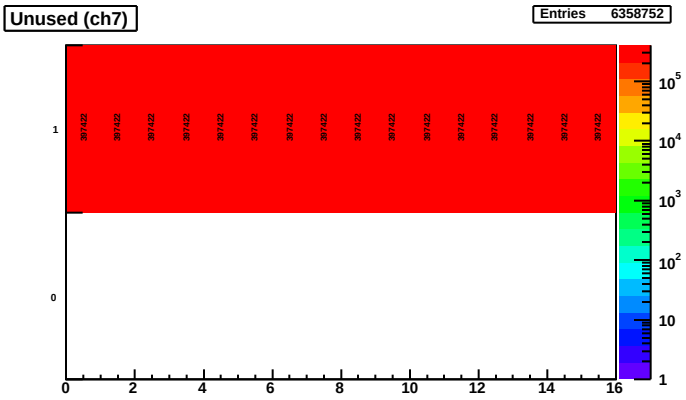

Unused (ch2)
Entries 6358752

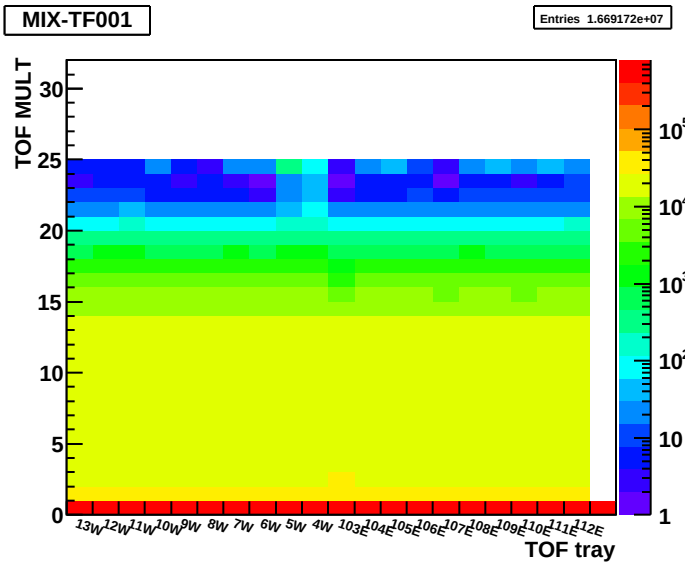

EM201 0-15 (ch3)
Entries 6358752
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

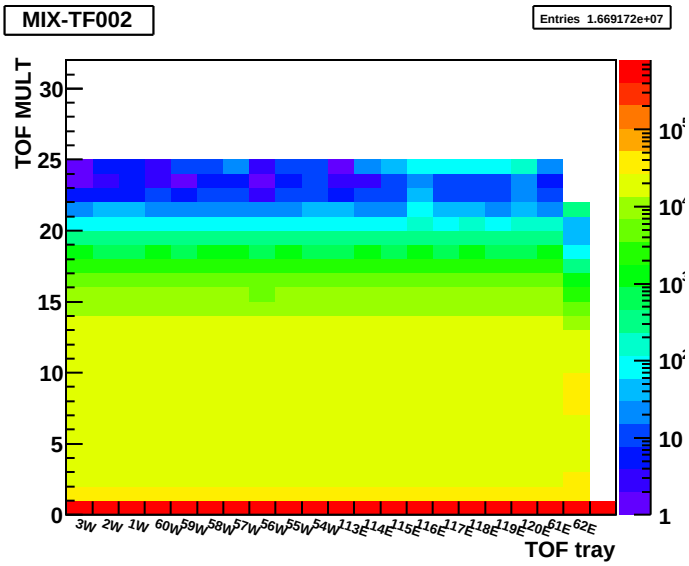

RAT board (ch4)
Entries 6358752
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

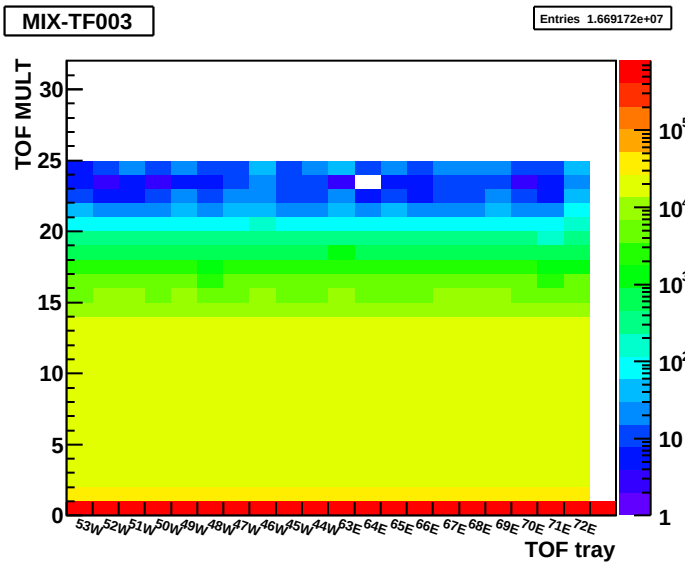

FP201 0-15 (ch5)
Entries 6358752
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

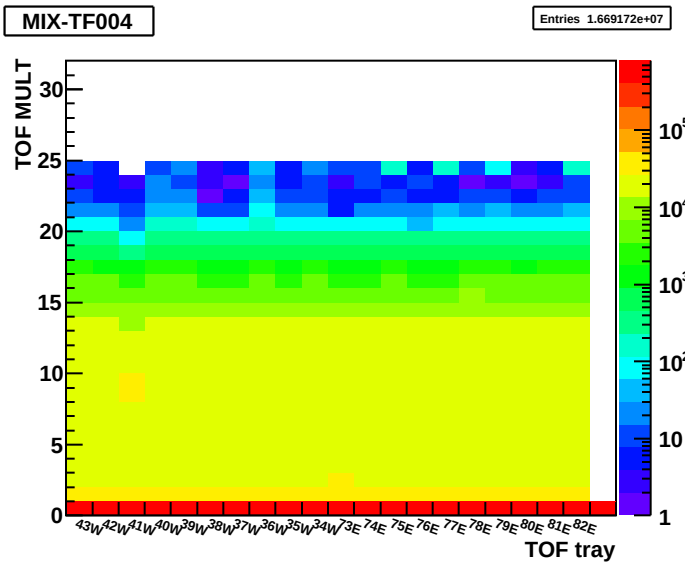

ST201 0-15 (ch6)
Entries 6358752
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

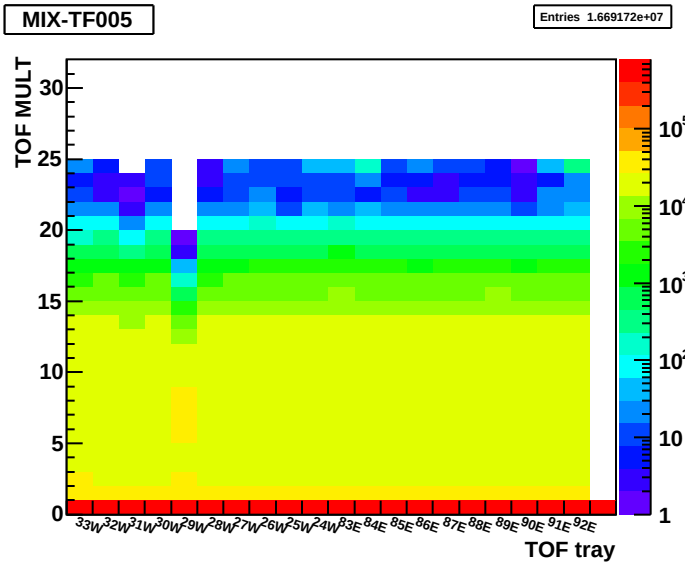

Unused (ch7)
Entries 6358752

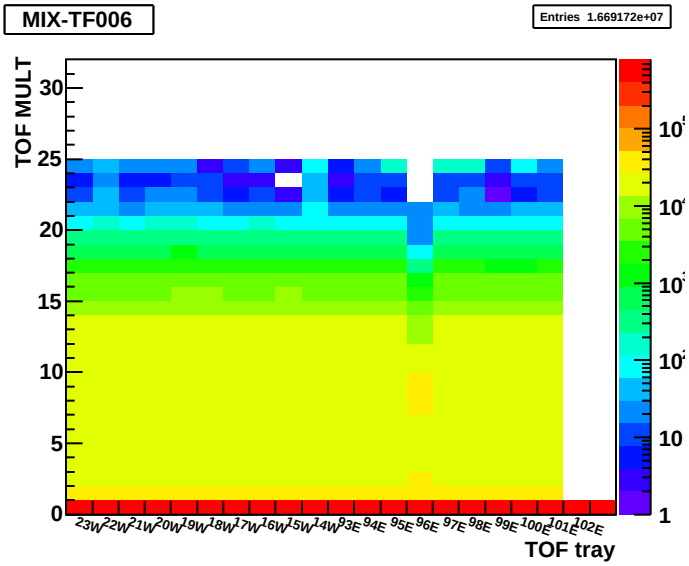

MIX-TF001
Entries 1.669172e+07
TOF MULT
TOF tray

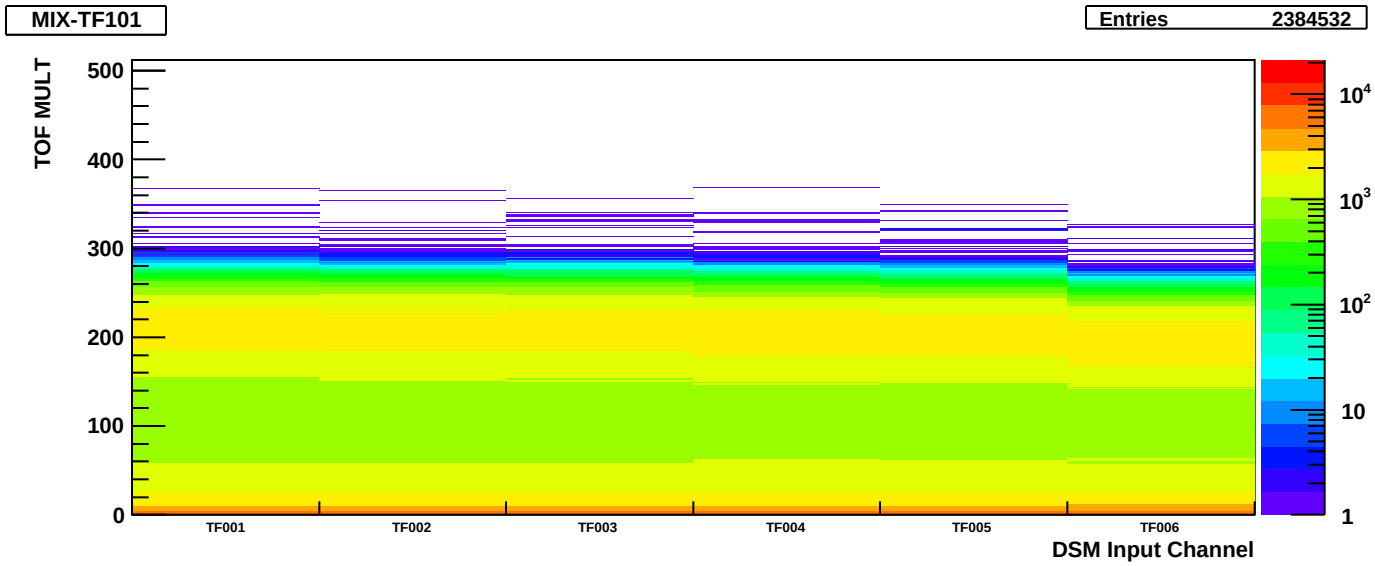

MIX-TF002
Entries 1.669172e+07
TOF MULT
TOF tray

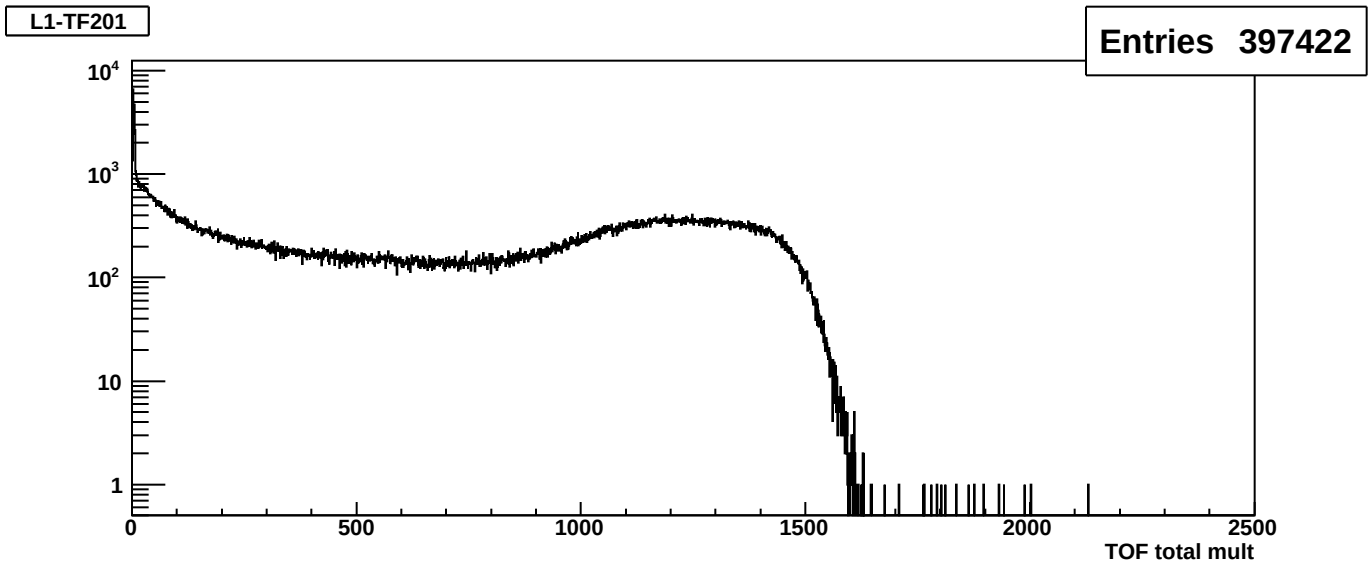

MIX-TF003
Entries 1.669172e+07
TOF MULT
TOF tray

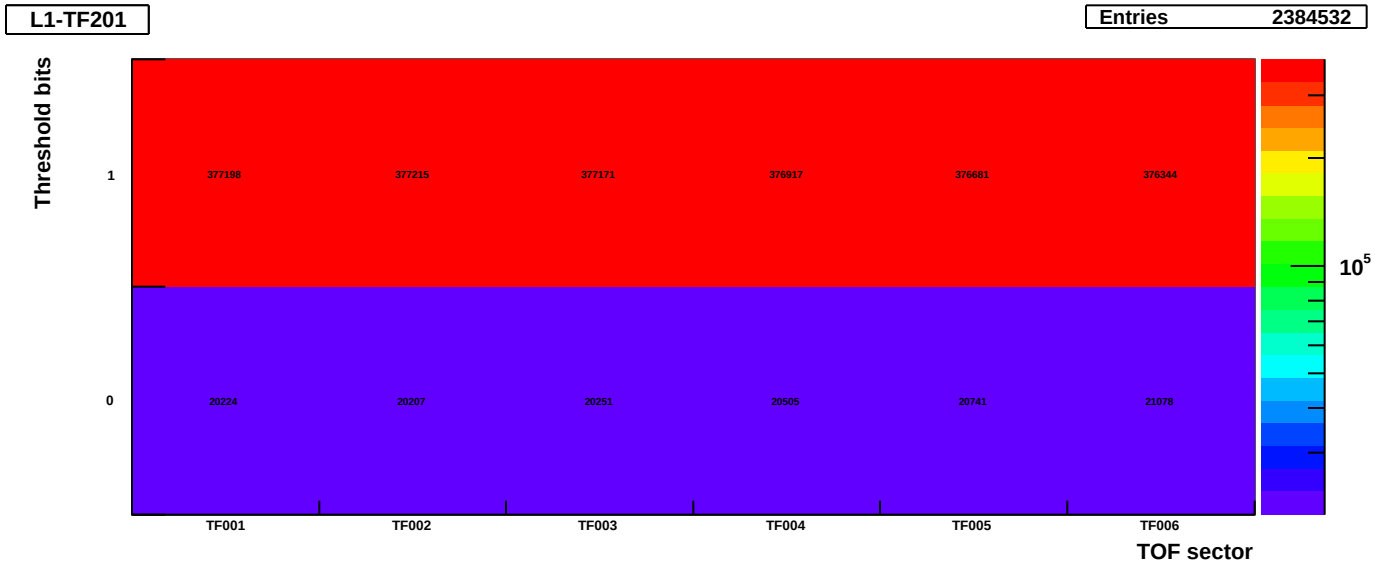

MIX-TF004
Entries 1.669172e+07
TOF MULT
TOF tray

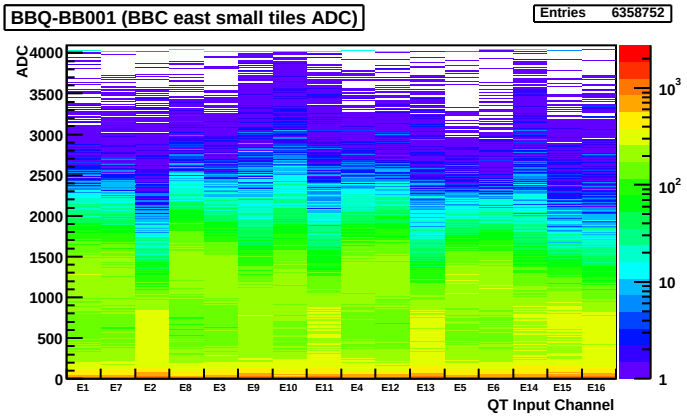

MIX-TF005
Entries 1.669172e+07
TOF MULT
TOF tray

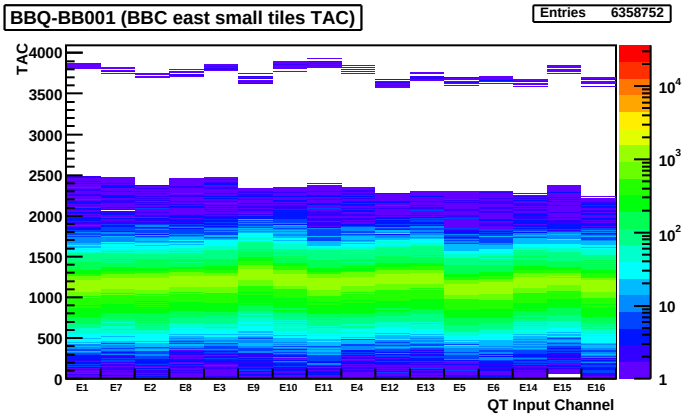

MIX-TF006
Entries 1.669172e+07
TOF MULT
TOF tray

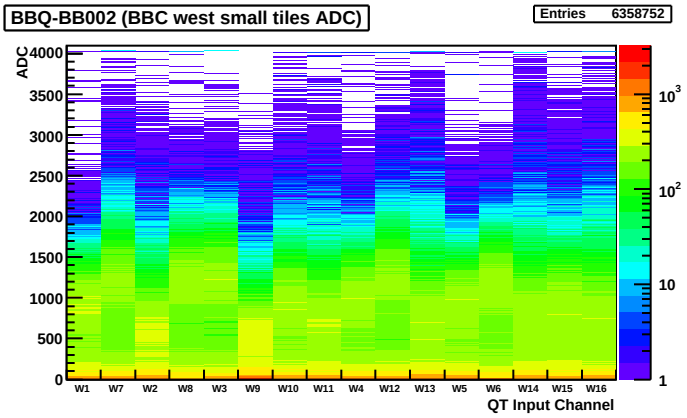

MIX-TF101
Entries 2384532
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

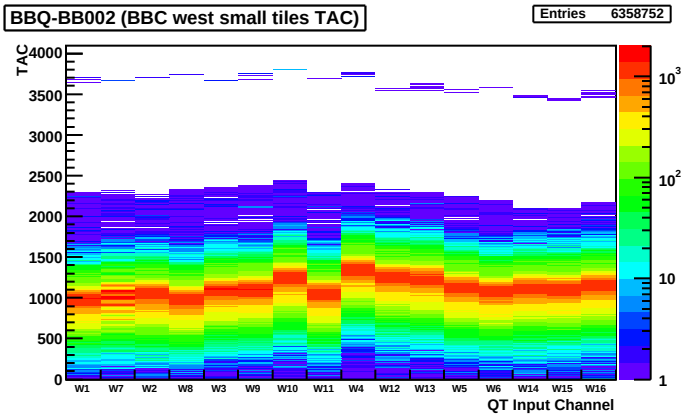

L1-TF201
Entries 397422
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

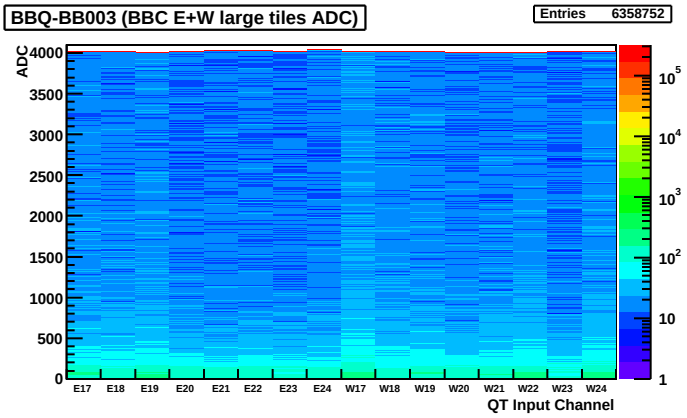

L1-TF201
Entries 2384532
Threshold bits
1
0
377198
377215
377171
376917
376681
376344
20224
20207
20251
20505
20741
21078
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

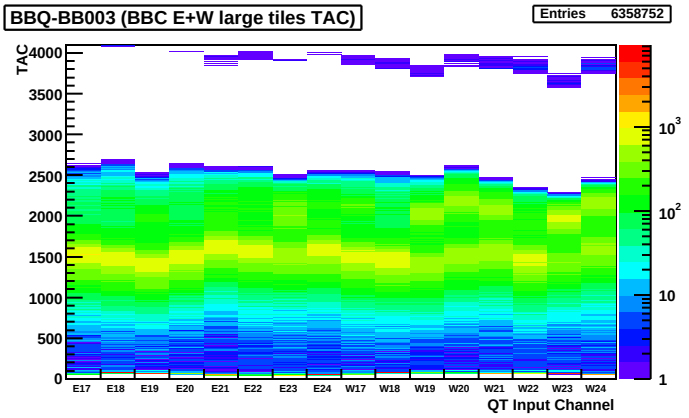

BBQ-BB001 (BBC east small tiles ADC)
Entries 6358752
ADC
QT Input Channel

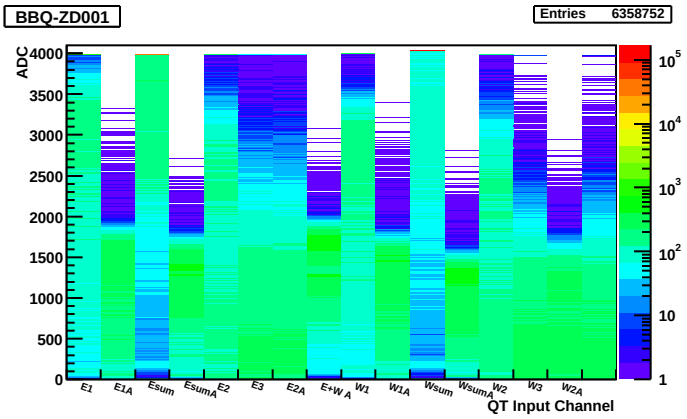

BBQ-BB001 (BBC east small tiles TAC)
Entries 6358752
TAC
QT Input Channel

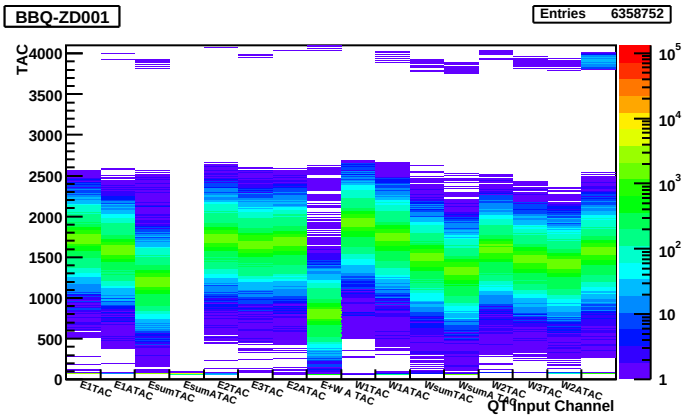

BBQ-BB002 (BBC west small tiles ADC)
Entries 6358752
ADC
QT Input Channel

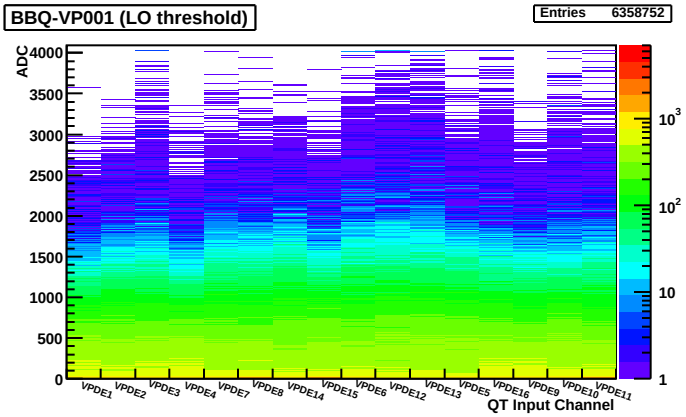

BBQ-BB002 (BBC west small tiles TAC)
Entries 6358752
TAC
QT Input Channel

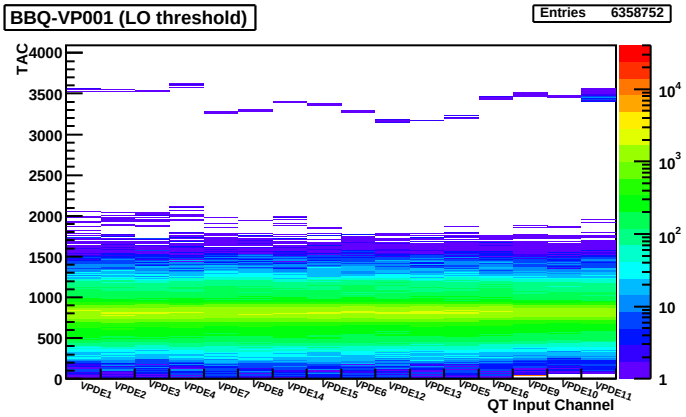

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6358752
ADC
QT Input Channel

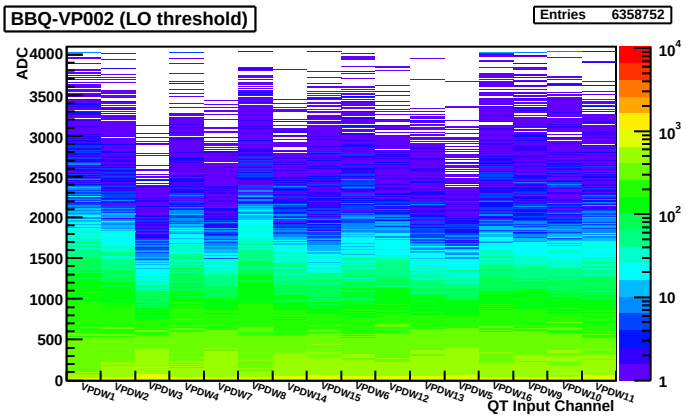

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6358752
TAC
QT Input Channel

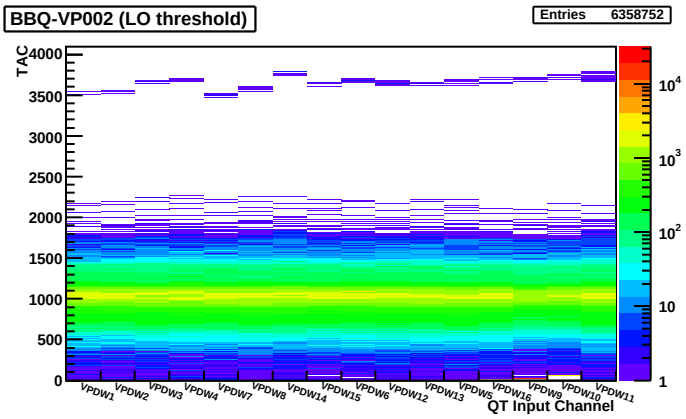

BBQ-ZD001
Entries 6358752
ADC
QT Input Channel

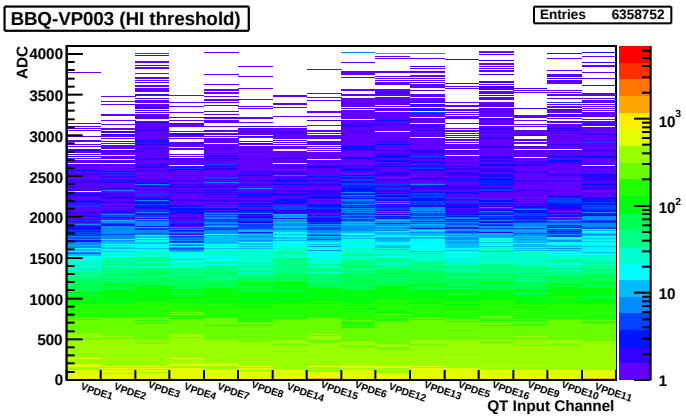

BBQ-ZD001
Entries 6358752
TAC
QT Input Channel

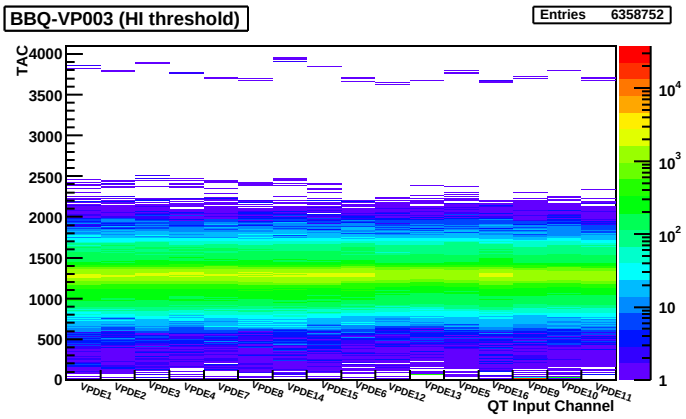

BBQ-VP001 (LO threshold)
Entries 6358752
ADC
QT Input Channel

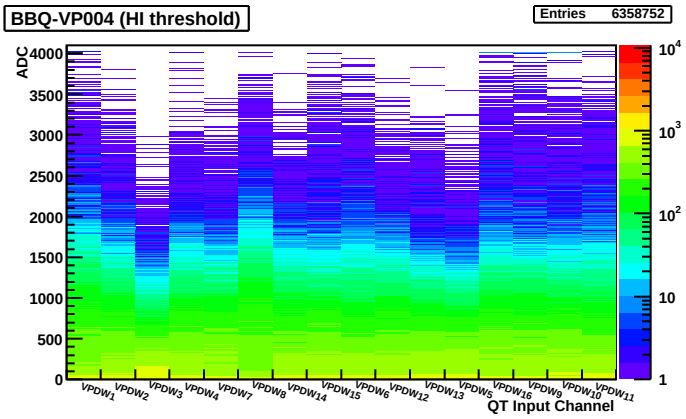

BBQ-VP001 (LO threshold)
Entries 6358752
TAC
QT Input Channel

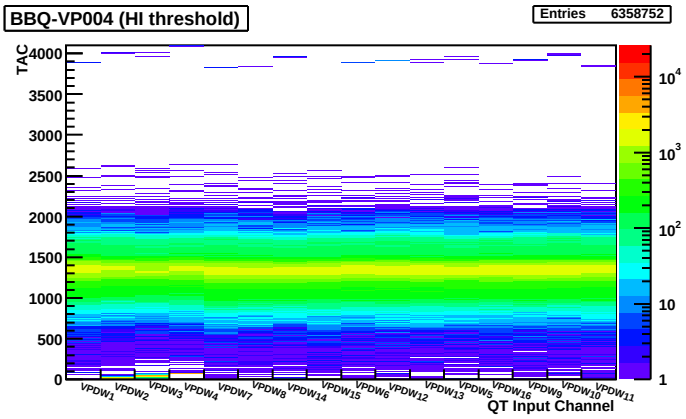

BBQ-VP002 (LO threshold)
Entries 6358752
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 6358752
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6358752
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6358752
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6358752
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6358752
TAC
QT Input Channel