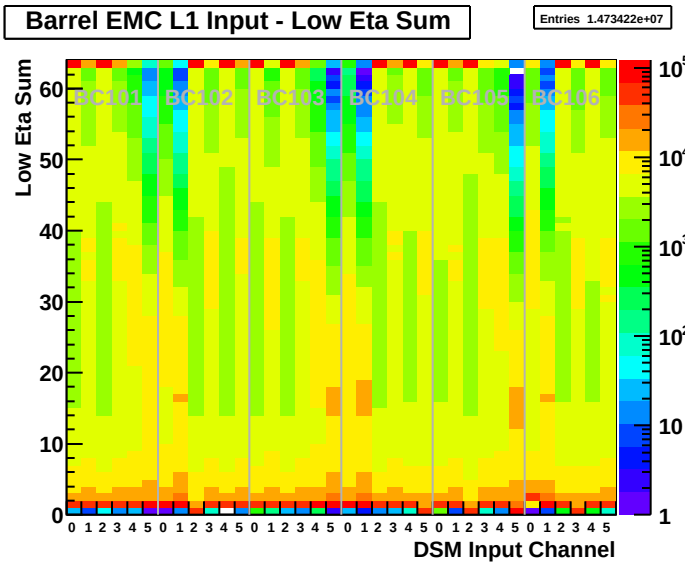
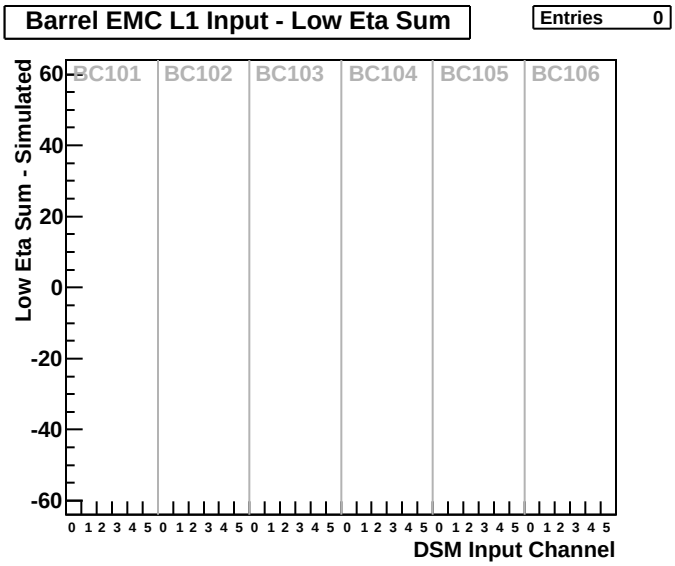
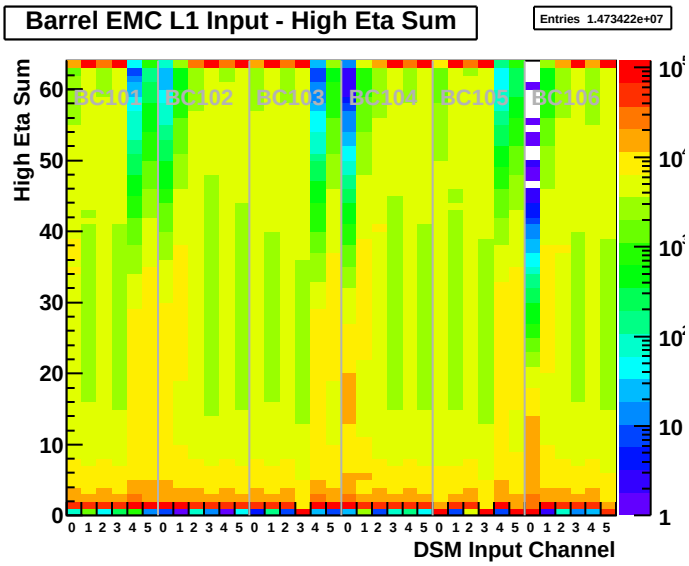
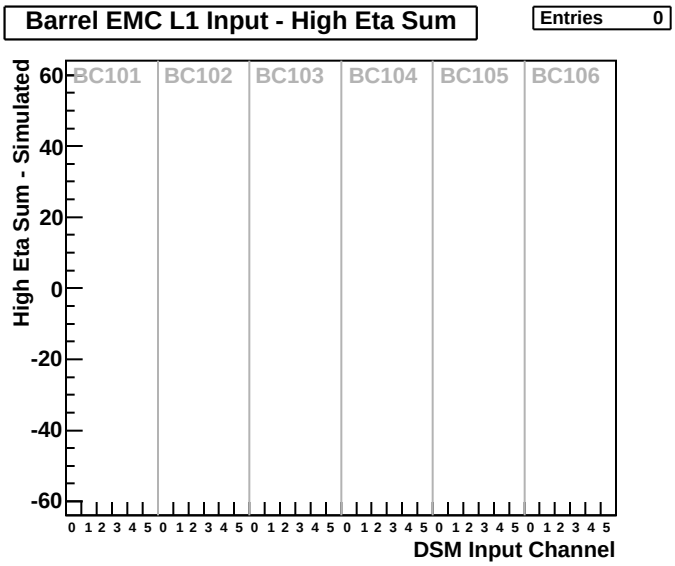
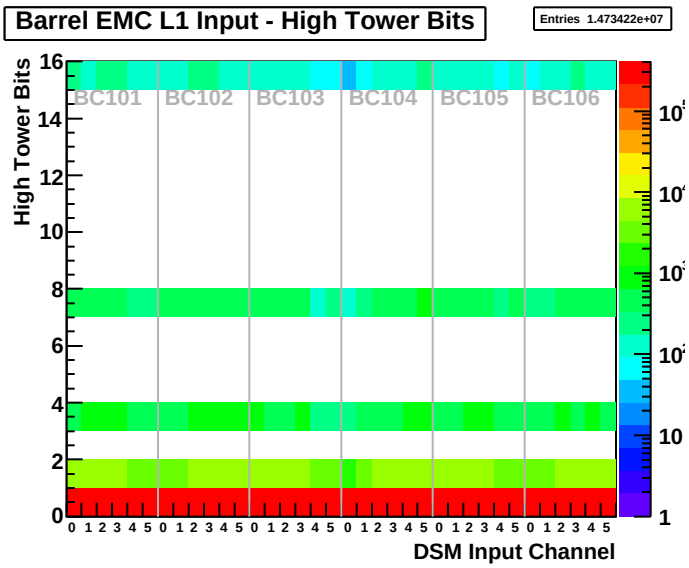
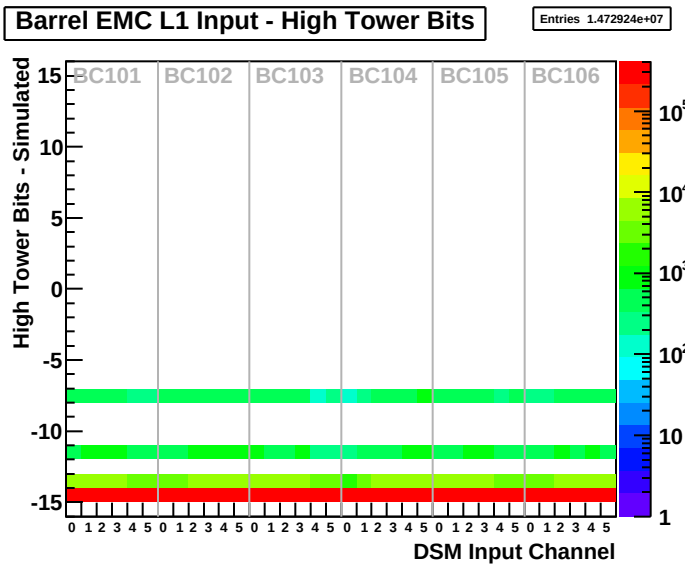

Barrel EMC L1 Input - Low Eta Sum
Entries 1.473422e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

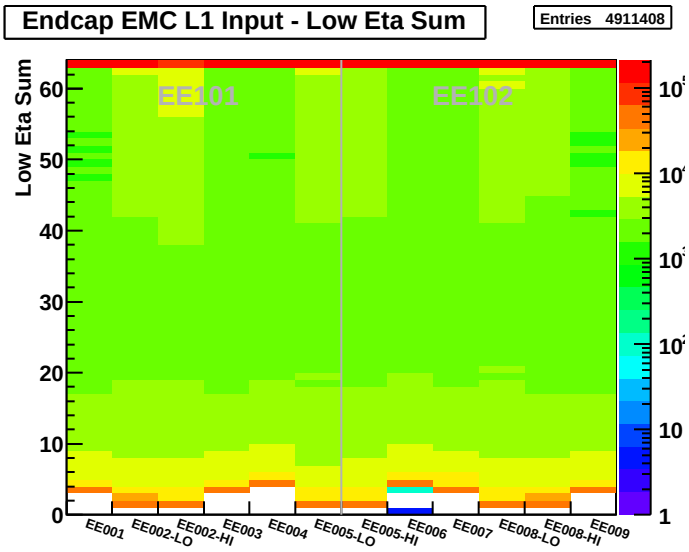

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

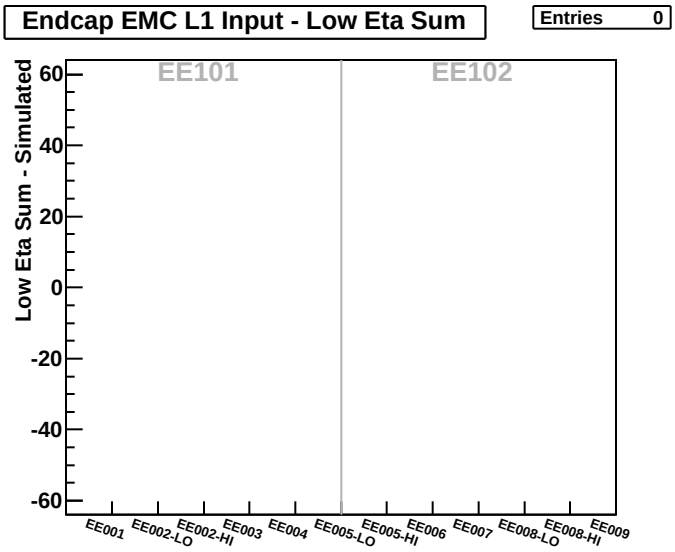

Barrel EMC L1 Input - High Eta Sum
Entries 1.473422e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

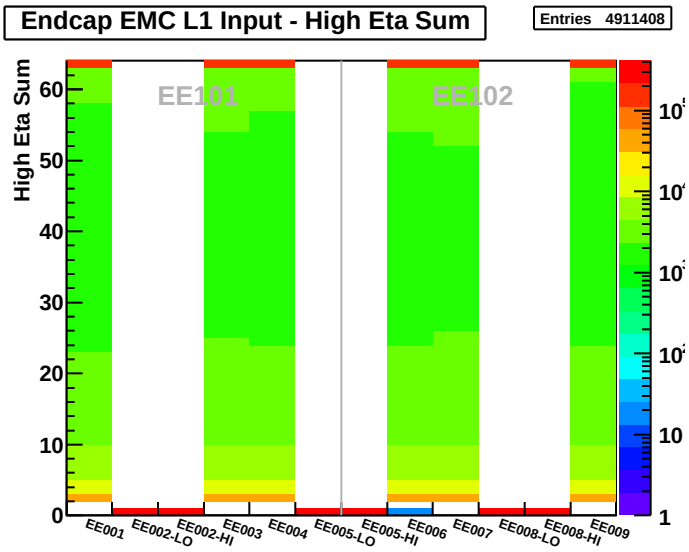

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

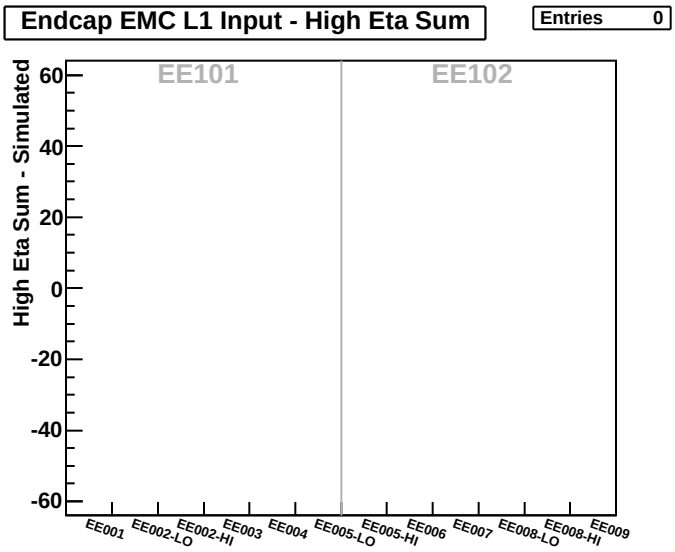

Barrel EMC L1 Input - High Tower Bits
Entries 1.473422e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

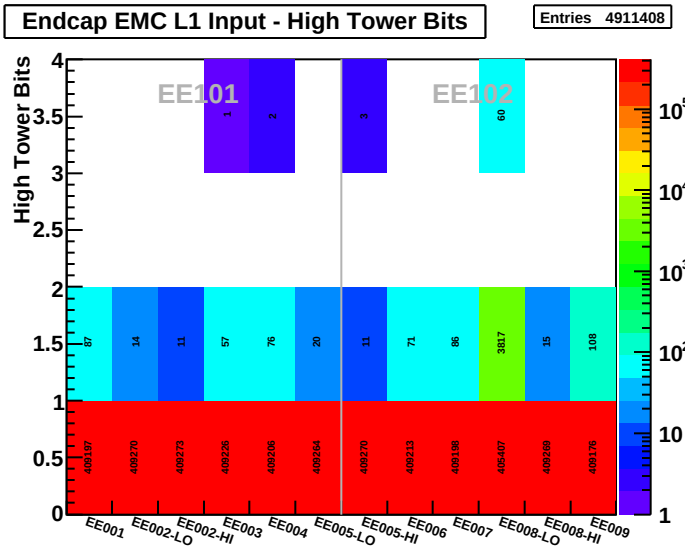

Barrel EMC L1 Input - High Tower Bits
Entries 1.472924e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

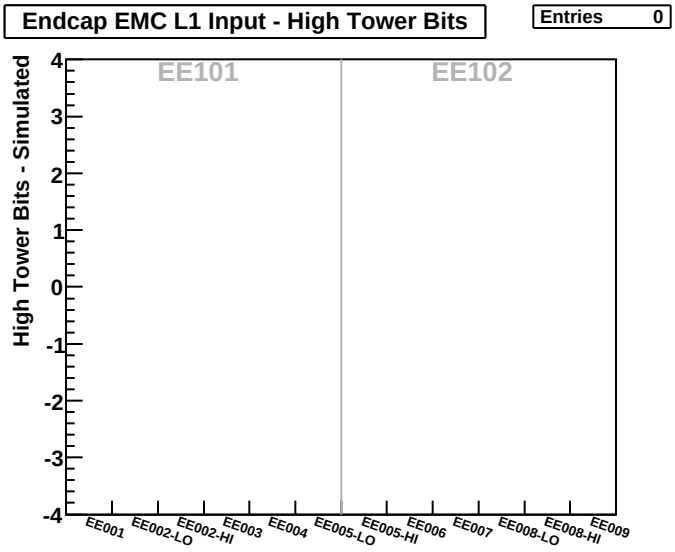

Endcap EMC L1 Input - Low Eta Sum
Entries 4911408
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

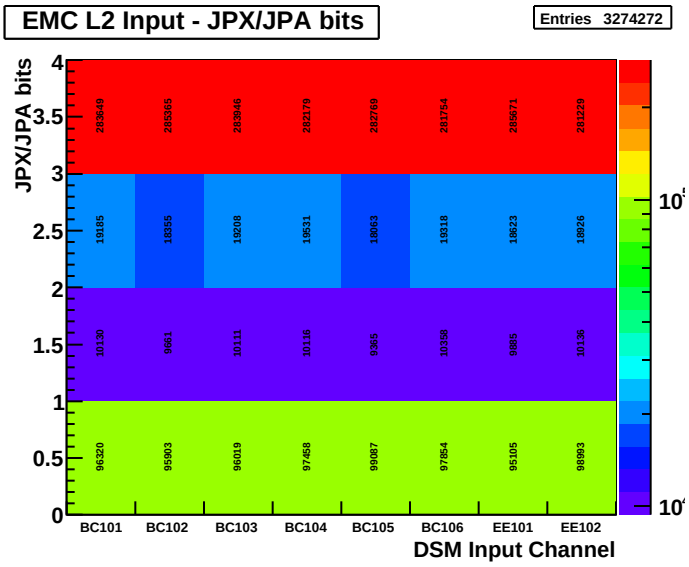

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

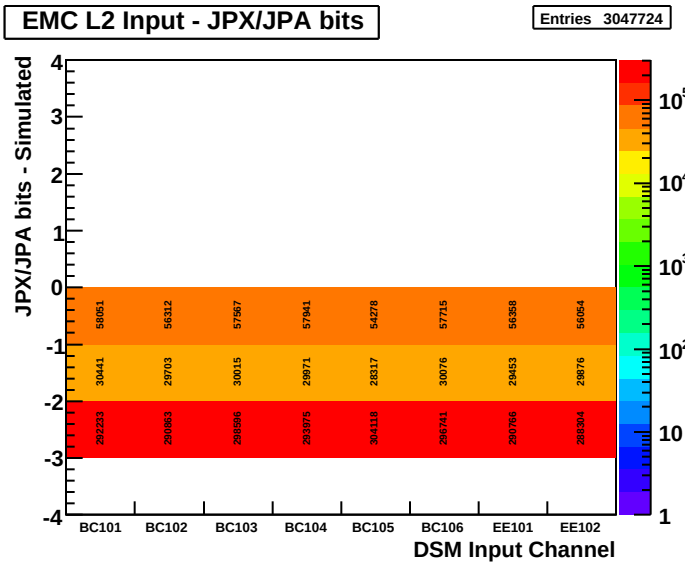

Endcap EMC L1 Input - High Eta Sum
Entries 4911408
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

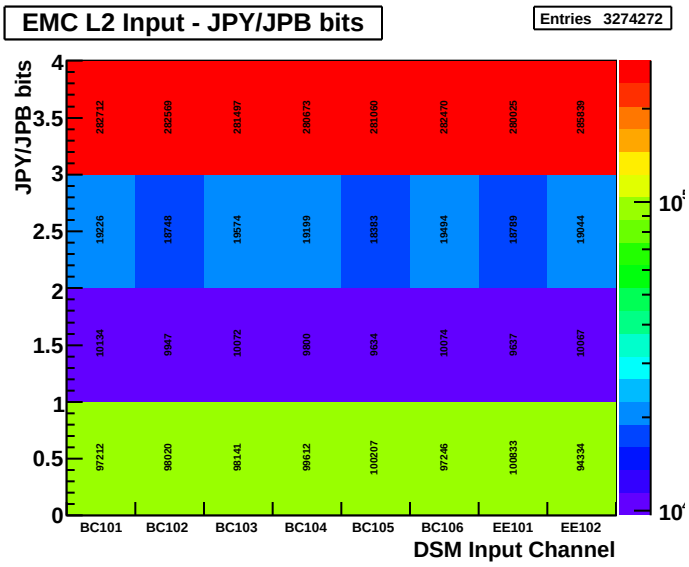

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

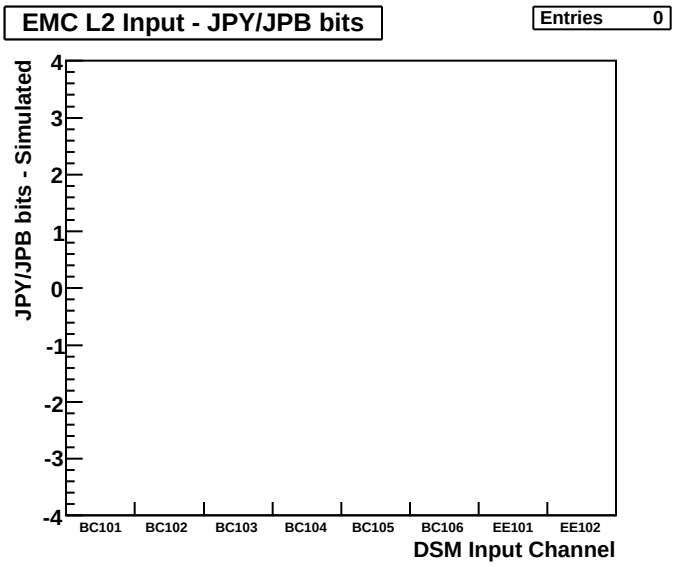

Endcap EMC L1 Input - High Tower Bits
Entries 4911408
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

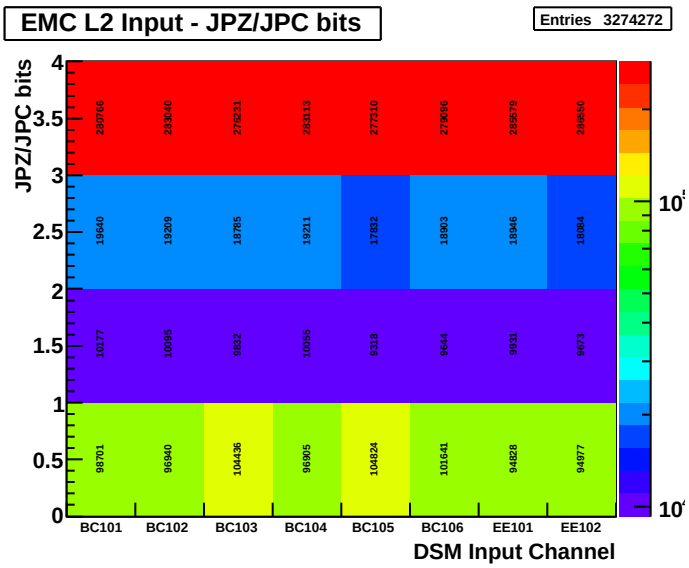

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

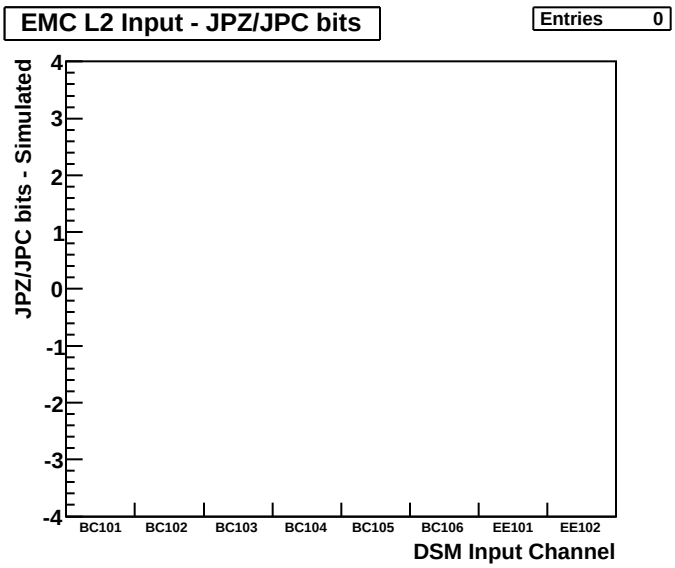

EMC L2 Input - JPX/JPA bits
Entries 3274272
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
283649 285365 283946 282179 282769 281754 285671 281229
19185 18355 19208 19531 19063 19318 18623 18926
10130 9661 10111 10116 9365 10358 9885 10156
96320 95903 96019 97458 99087 97854 95105 98993

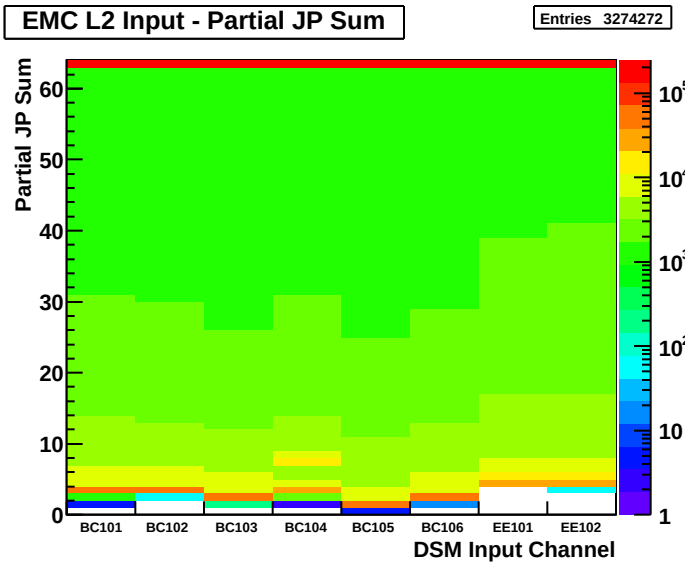

EMC L2 Input - JPX/JPA bits
Entries 3047724
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
58051 56312 57567 57941 54278 57715 56358 56054
30441 29703 30015 29971 28317 30076 29453 28876
292233 290863 290596 293975 304118 296741 290766 288304

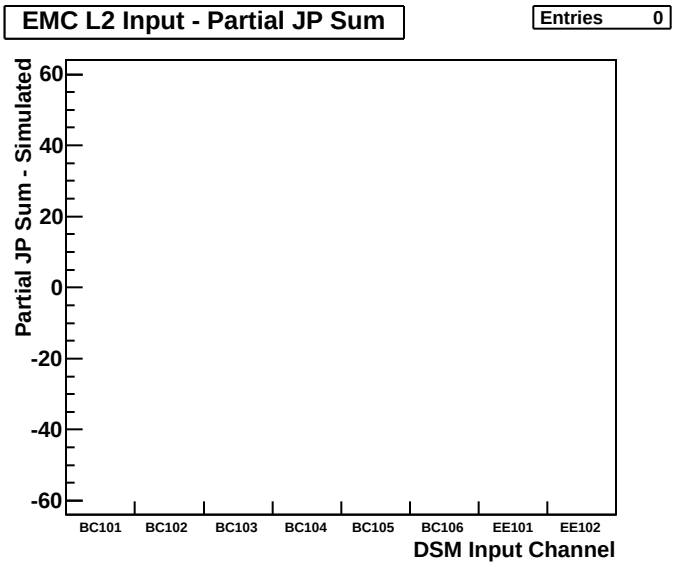

EMC L2 Input - JPY/JPB bits
Entries 3274272
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
282712 282589 281497 280673 281060 282470 280025 285839
19226 18748 19574 19199 18383 19494 18789 19044
10134 9947 10072 9800 9634 10074 9637 10067
97212 98020 98141 99612 100207 97246 100833 94334

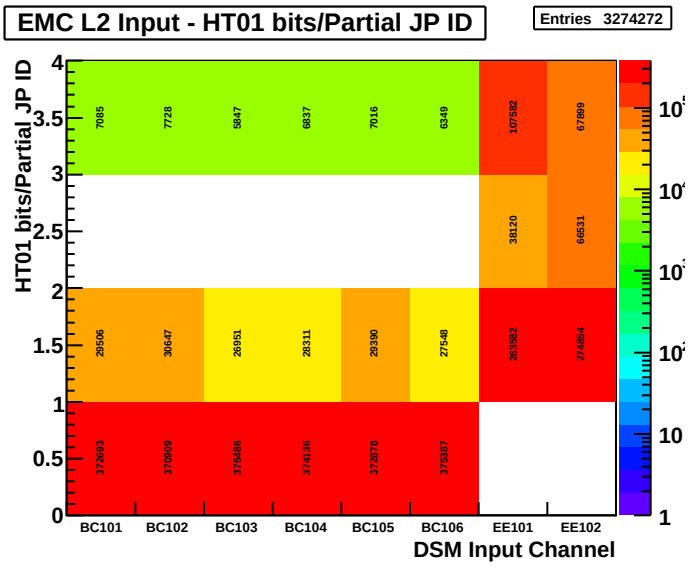

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

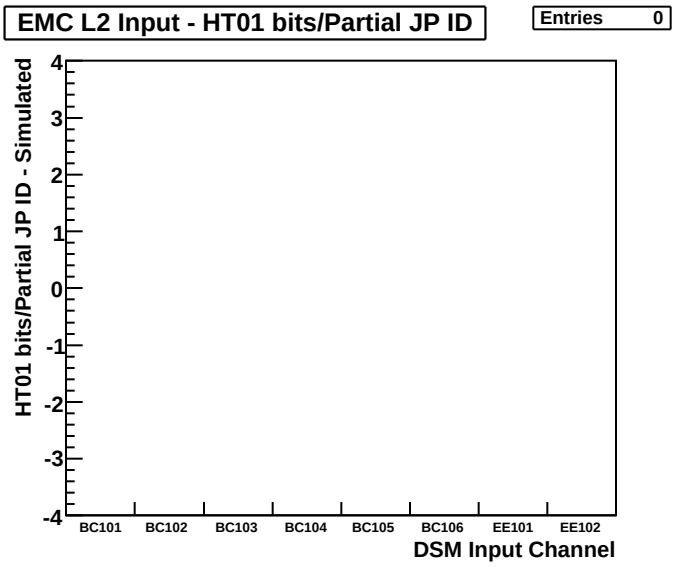

EMC L2 Input - JPZ/JPC bits
Entries 3274272
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
280766 283040 276231 283113 277310 279096 285579 286550
19640 19209 18785 19211 17832 18903 18946 18084
10177 10095 9832 10055 9318 9644 9931 9673
98701 96940 104436 96905 104824 101641 94828 94977

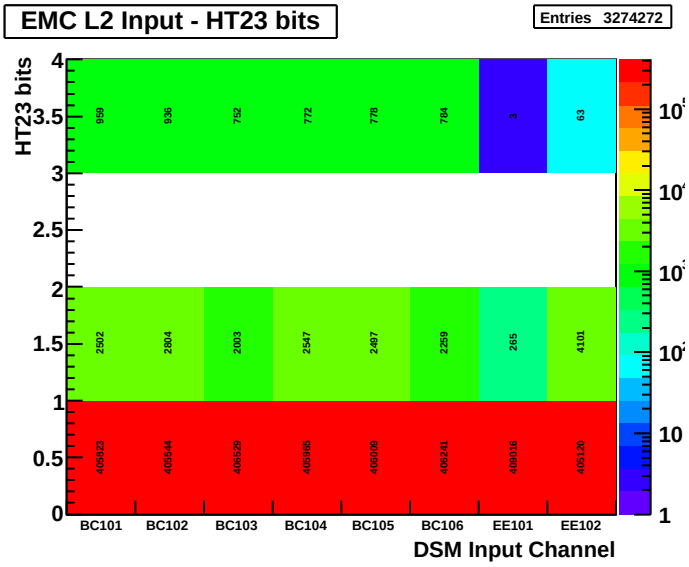

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

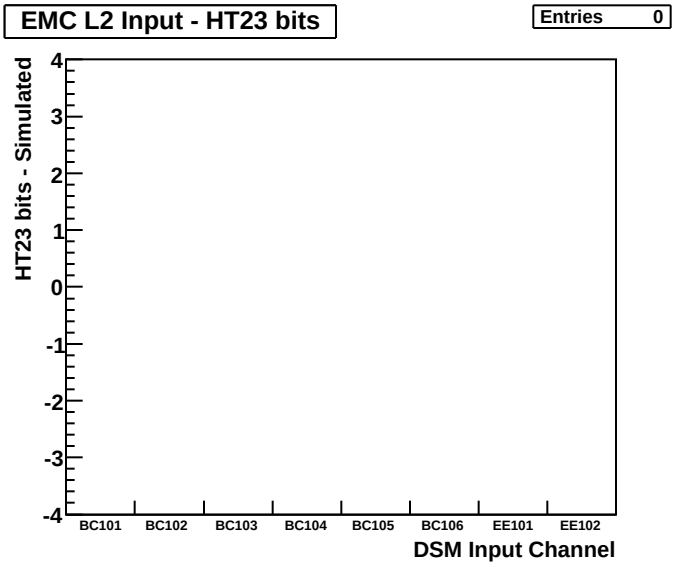

EMC L2 Input - Partial JP Sum
Entries 3274272
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

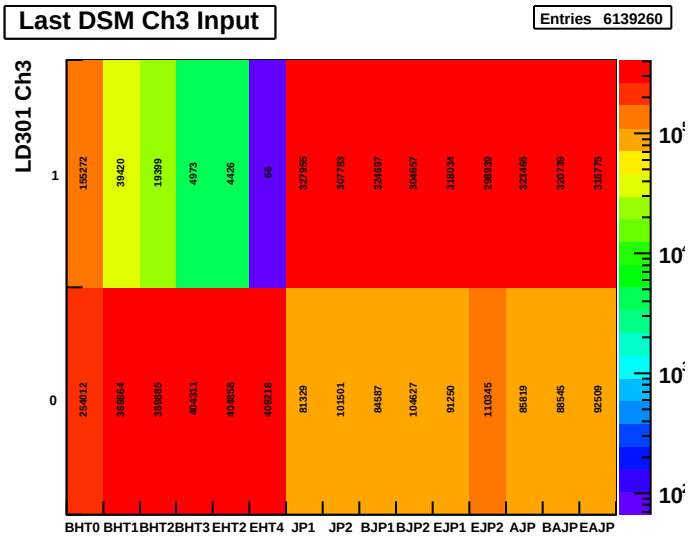

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

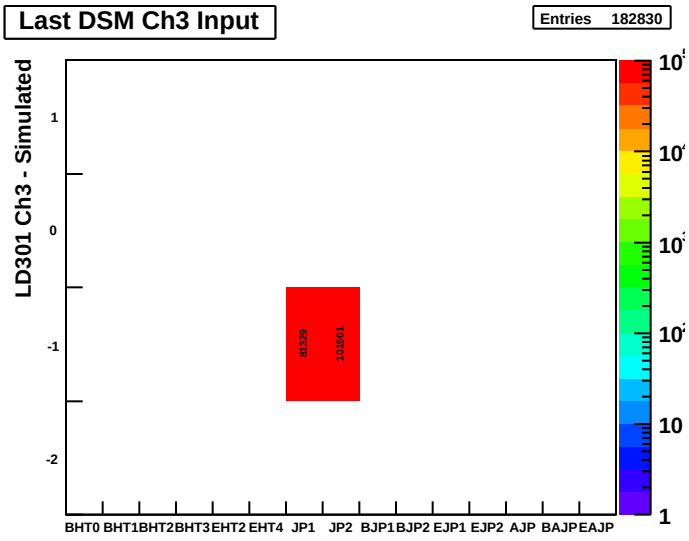

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3274272
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

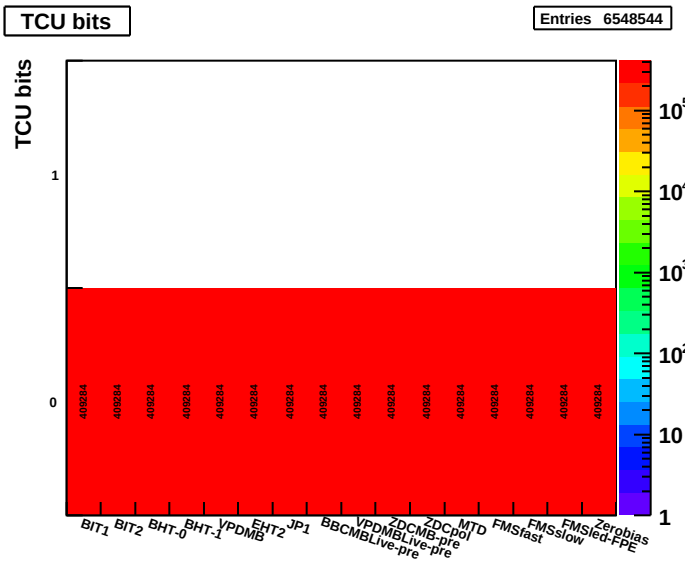

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

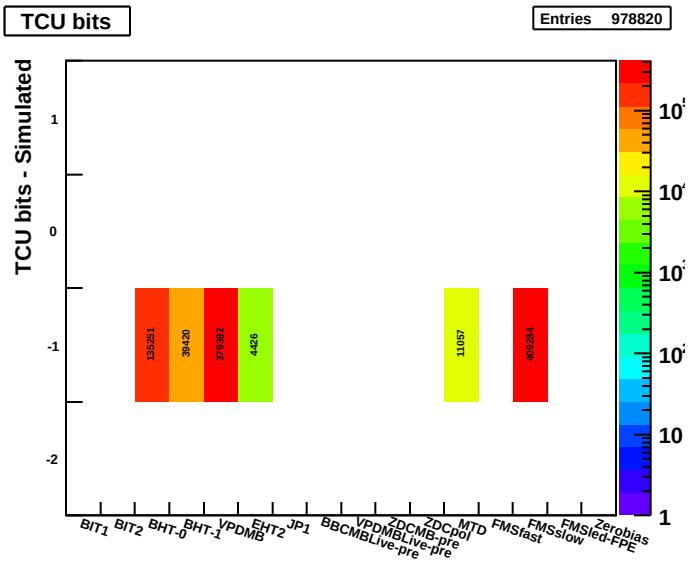

EMC L2 Input - HT23 bits
Entries 3274272
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

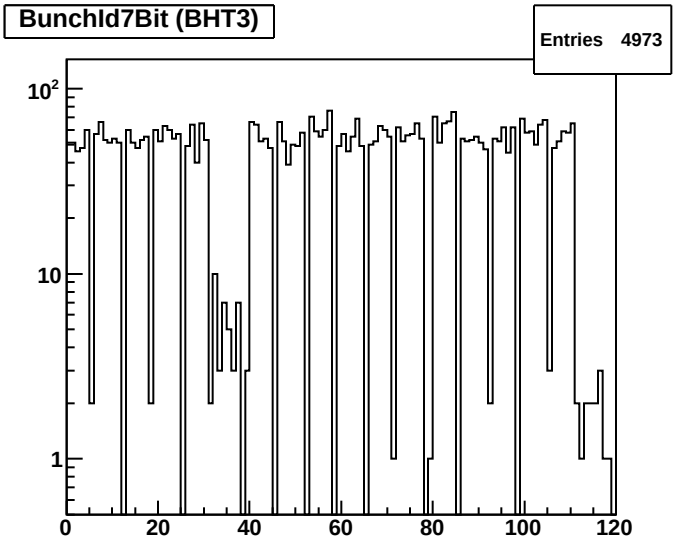

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

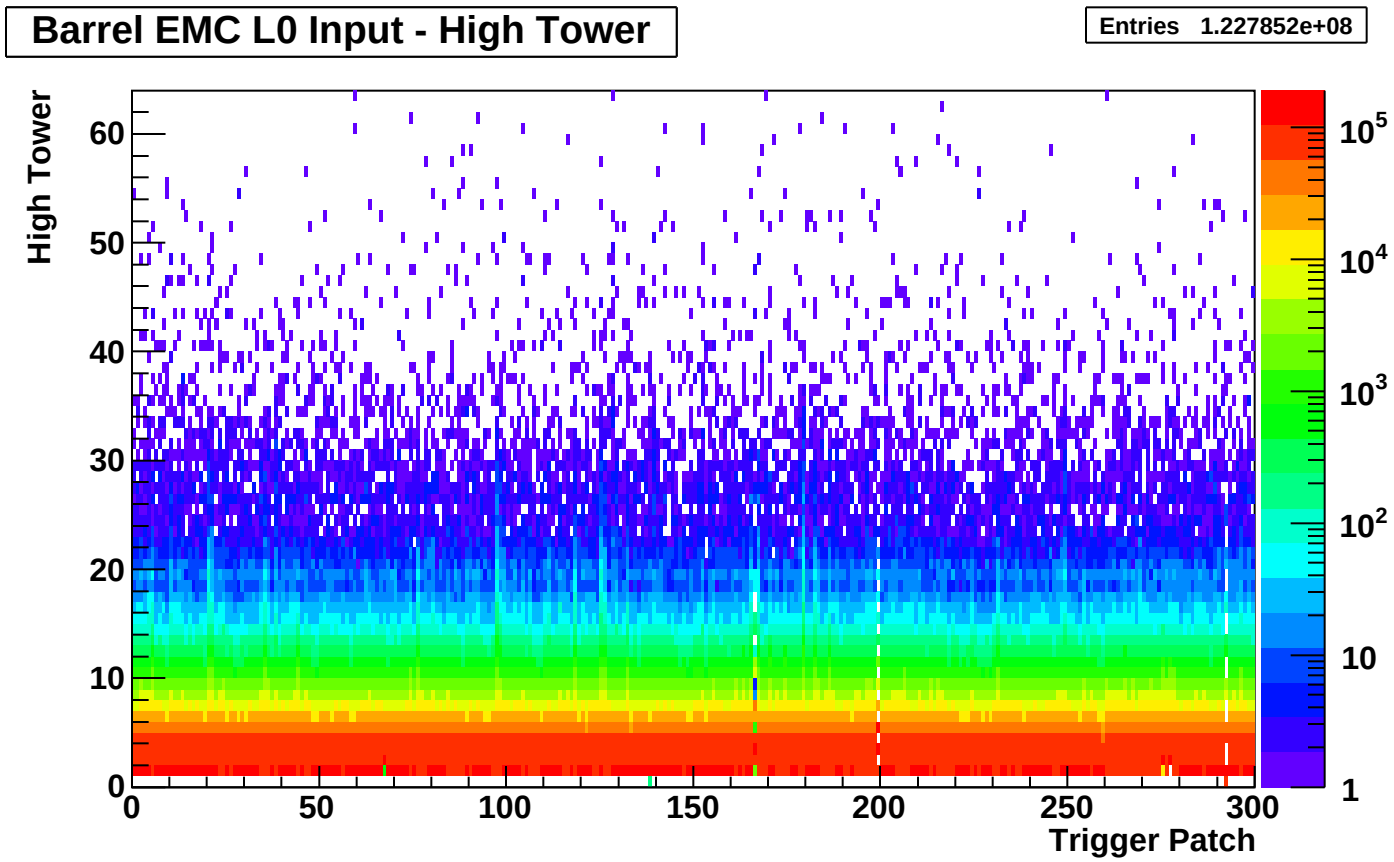

Last DSM Ch3 Input
Entries 6139260
LD301 Ch3
1
0
155272 39420 19399 4973 4426 66 327955 307783 324697 304657 318034 298939 323465 320739 316775
254012 368864 389855 404311 404858 409218 81329 101501 84567 104627 91250 110345 85819 88545 92509
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

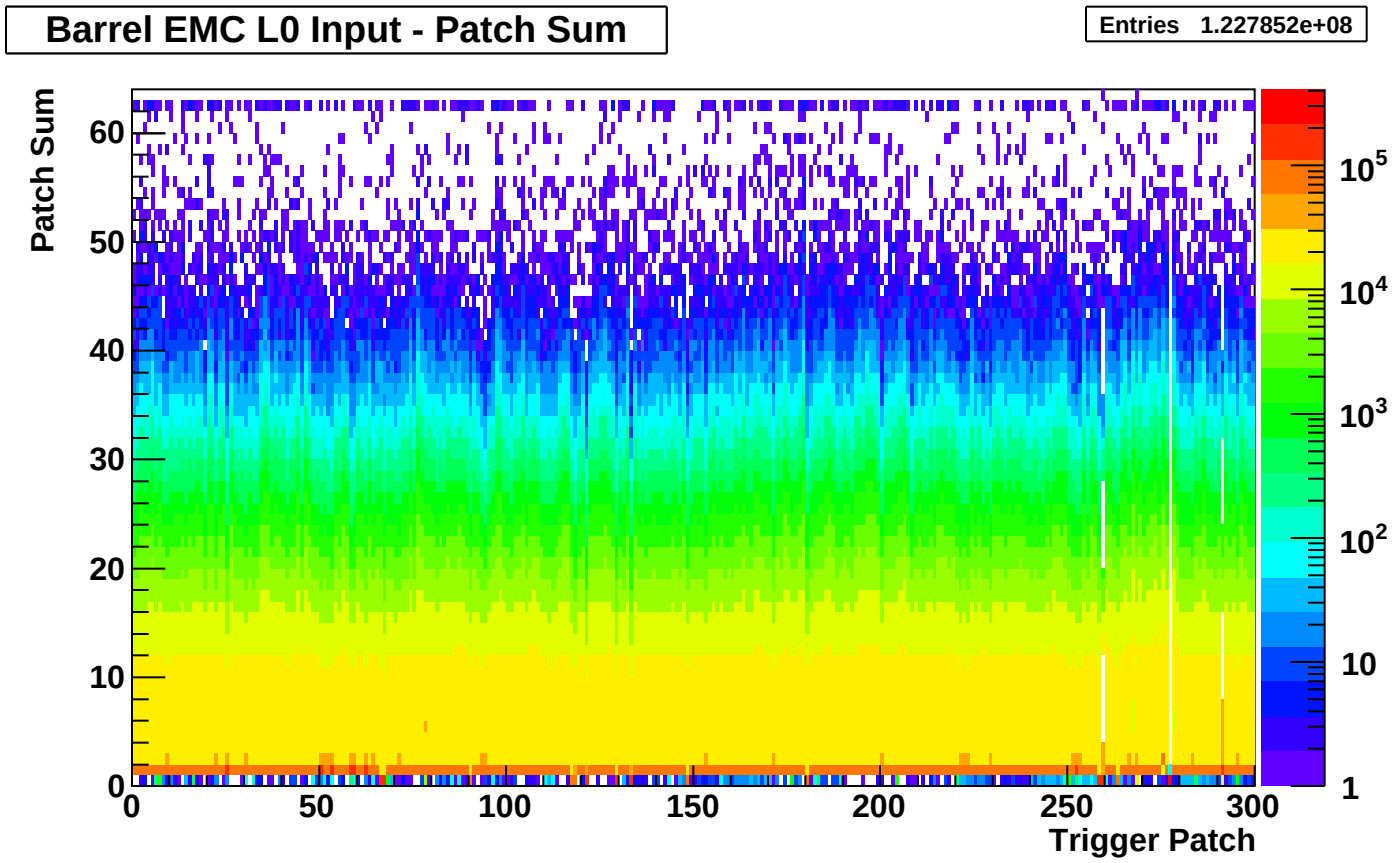

Last DSM Ch3 Input
Entries 182830
LD301 Ch3 - Simulated
1
0
-1
-2
81329 101501
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

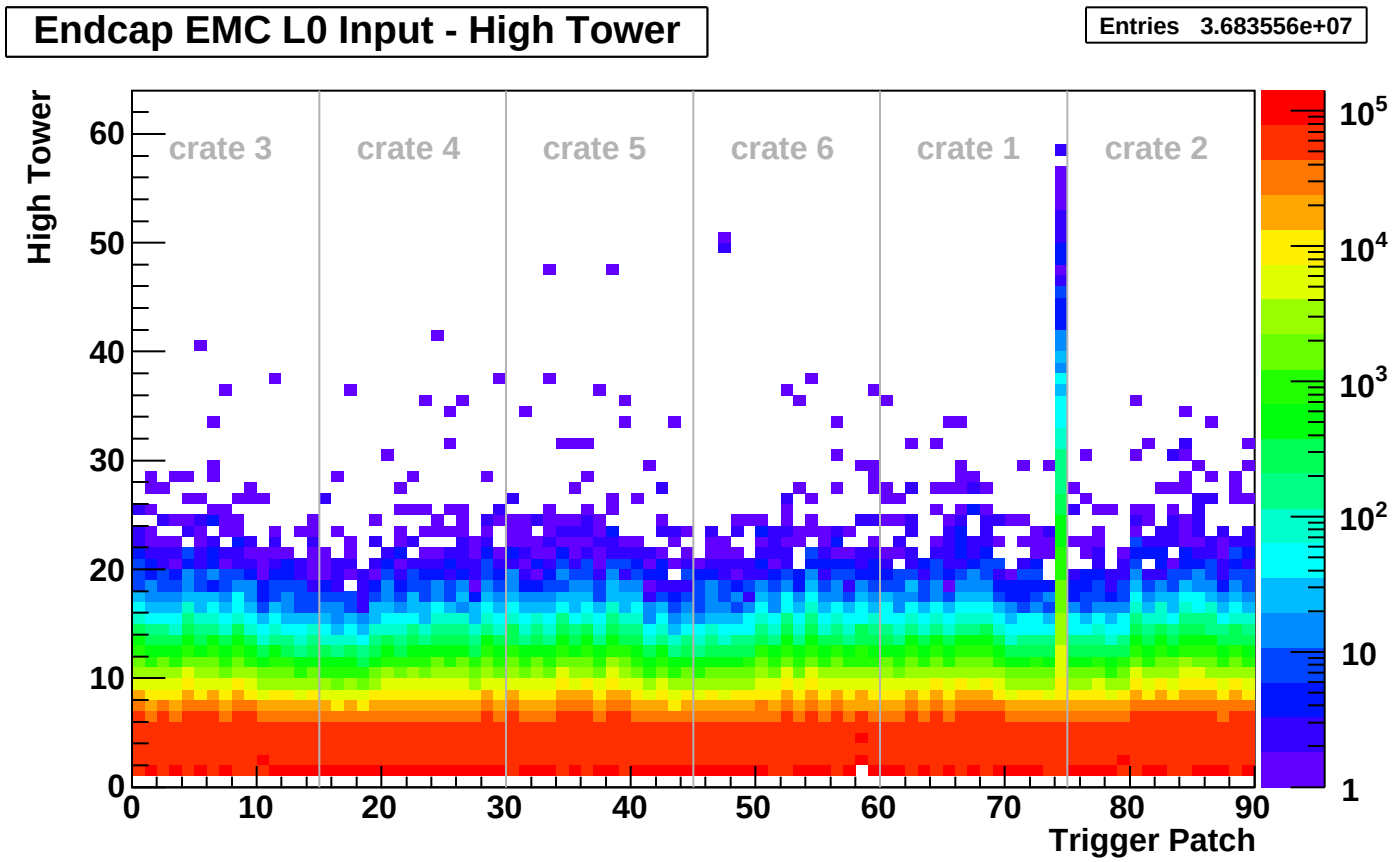

TCU bits
Entries 6548544
TCU bits
1
0
409284
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

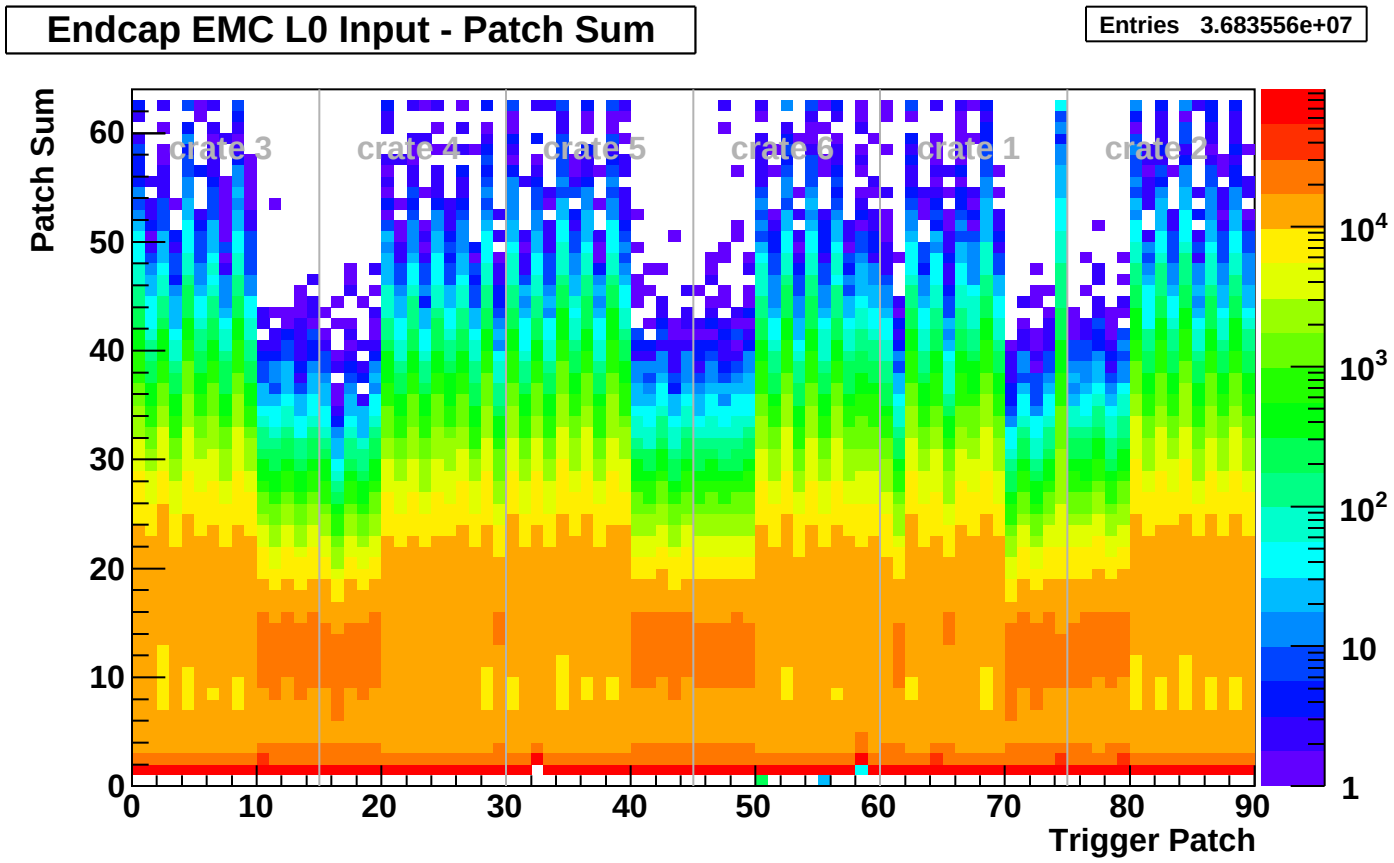

TCU bits
Entries 978820
TCU bits - Simulated
1
0
-1
-2
135251 39420 370382 4426 11057 409284
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

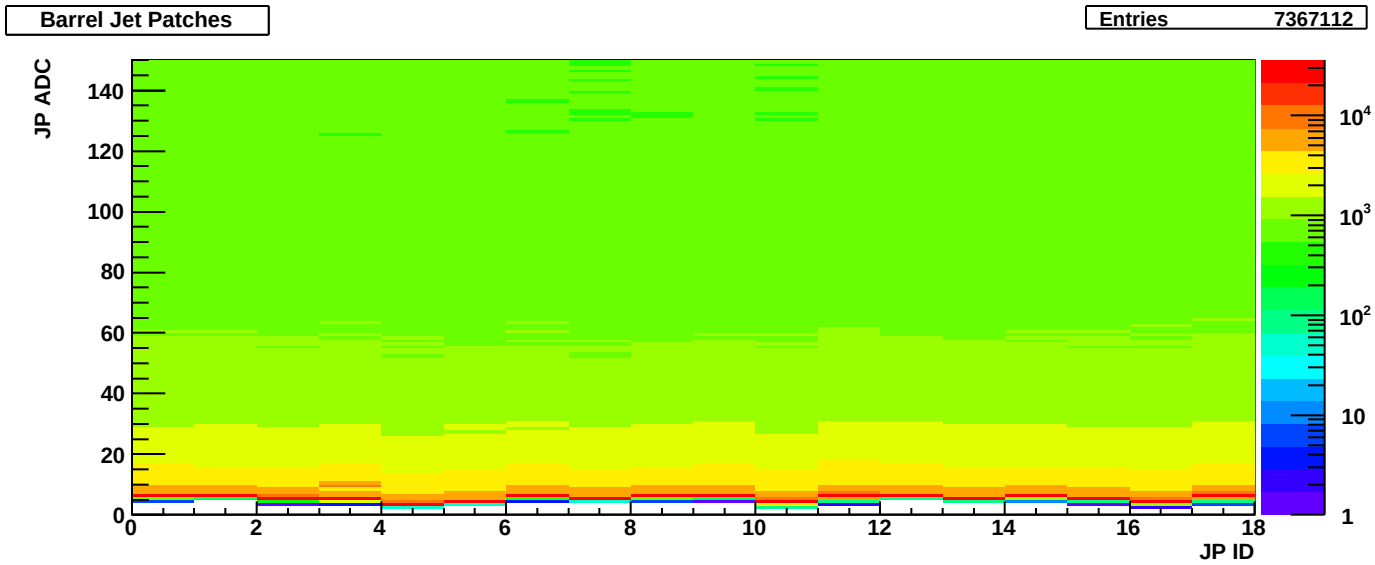

BunchId7Bit (BHT3)
Entries 4973
10²
10
1
0 20 40 60 80 100 120

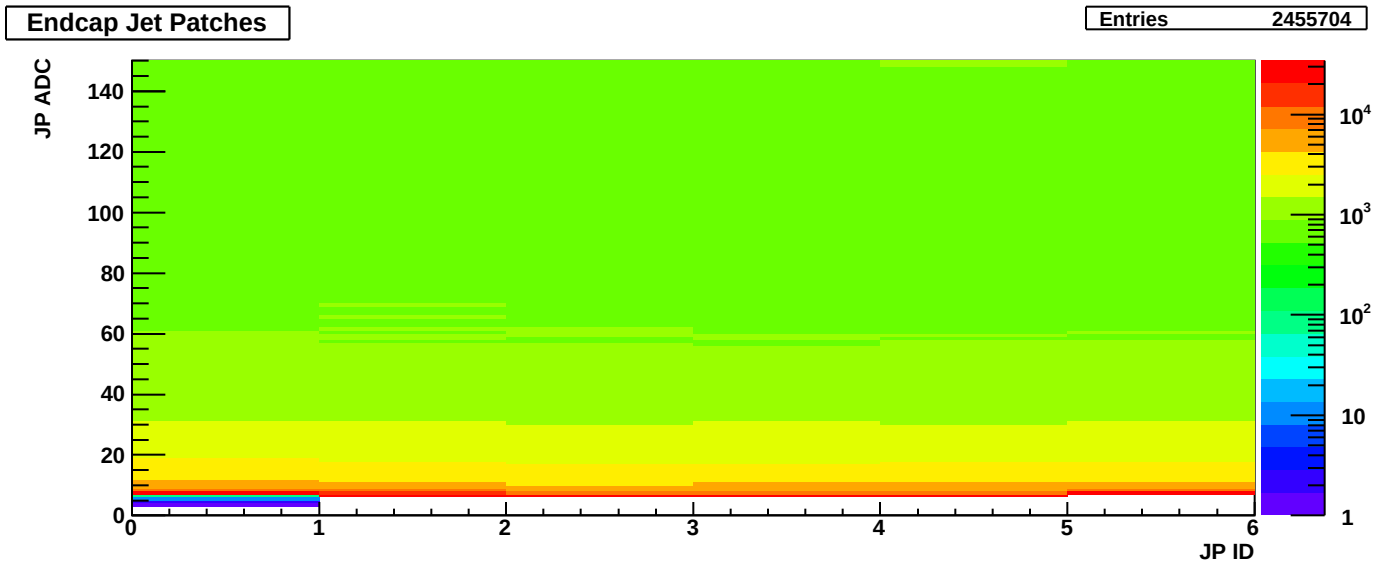

Barrel EMC L0 Input - High Tower
Entries 1.227852e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

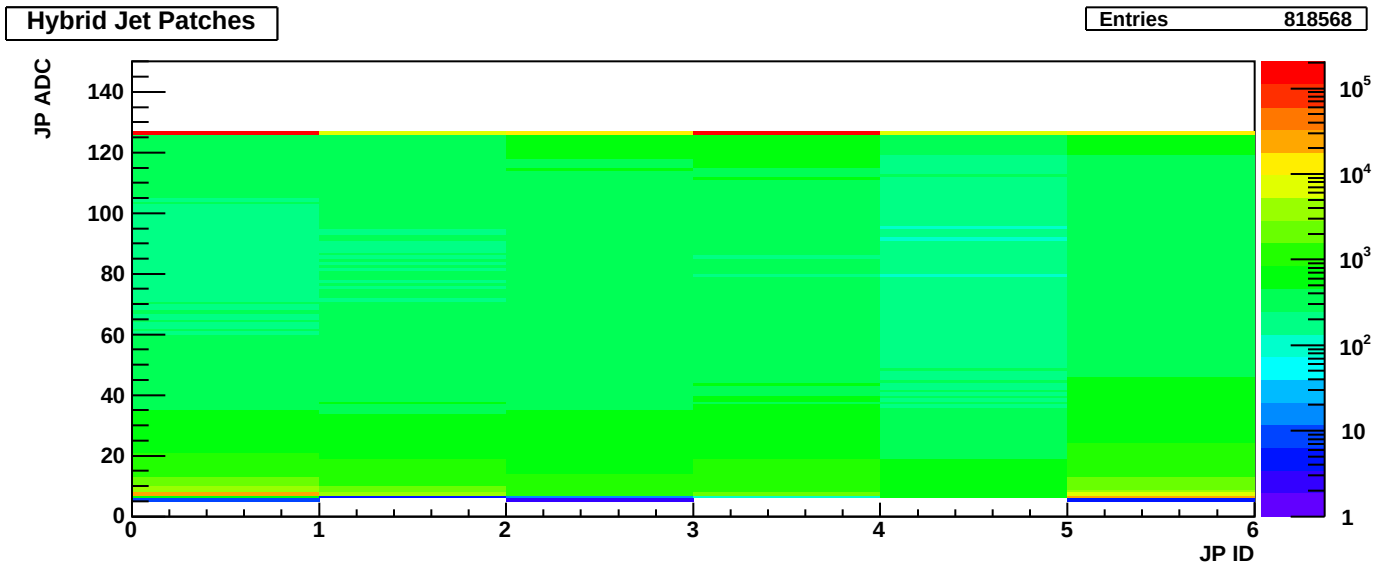

Barrel EMC L0 Input - Patch Sum
Entries 1.227852e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

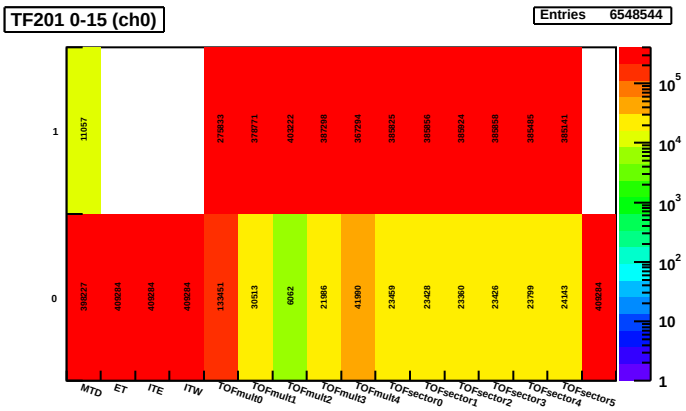

Endcap EMC L0 Input - High Tower
Entries 3.683556e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

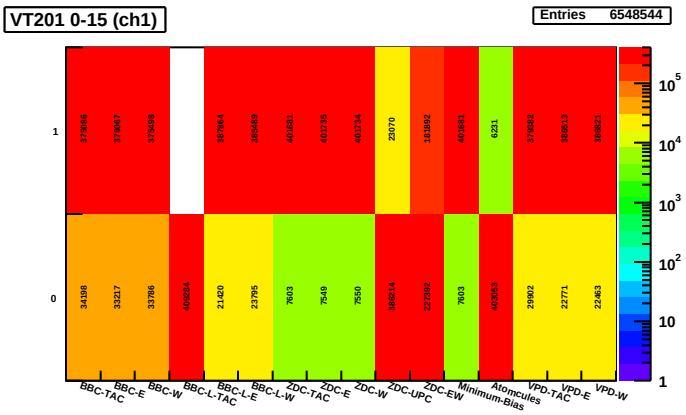

Endcap EMC L0 Input - Patch Sum
Entries 3.683556e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

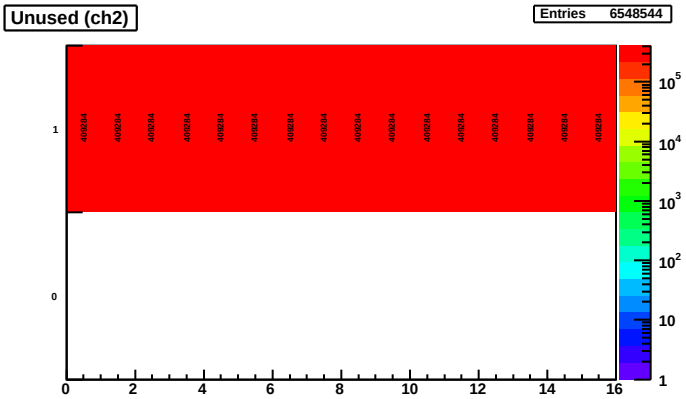

Barrel Jet Patches
Entries 7367112
JP ADC
JP ID

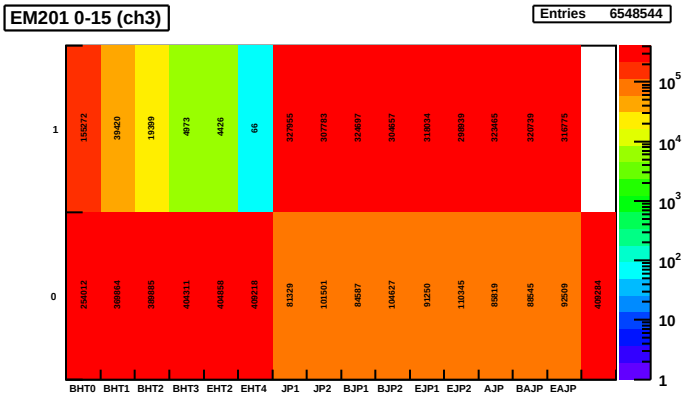

Endcap Jet Patches
Entries 2455704
JP ADC
JP ID

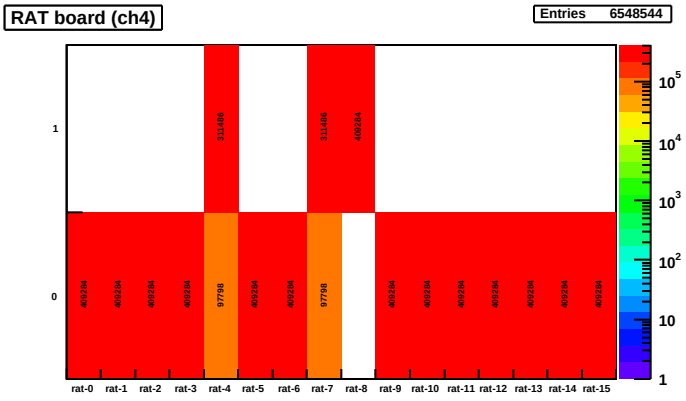

Hybrid Jet Patches
Entries 818568
JP ADC
JP ID

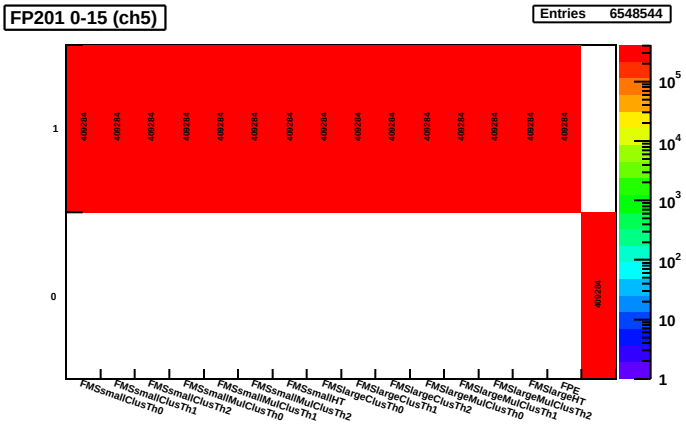

TF201 0-15 (ch0)
Entries 6548544
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

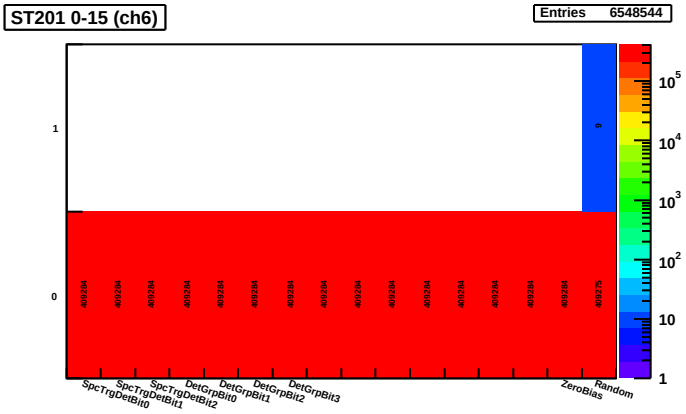

VT201 0-15 (ch1)
Entries 6548544
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

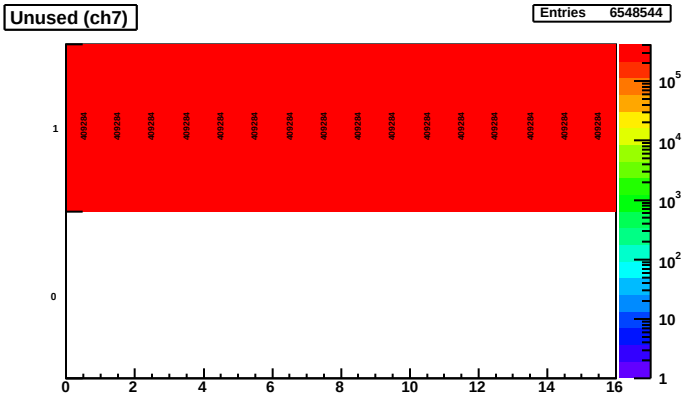

Unused (ch2)
Entries 6548544

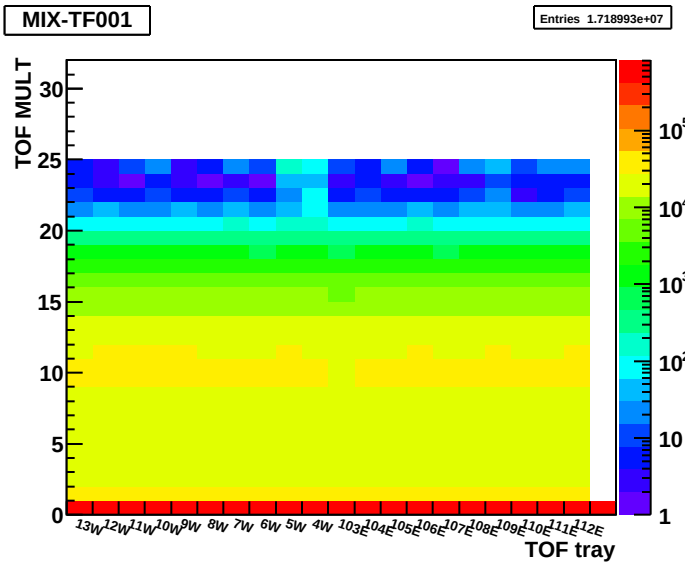

EM201 0-15 (ch3)
Entries 6548544
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

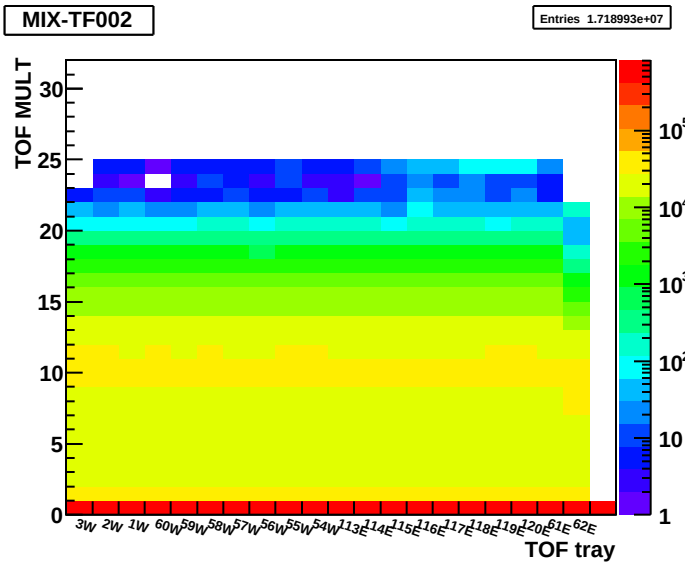

RAT board (ch4)
Entries 6548544
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

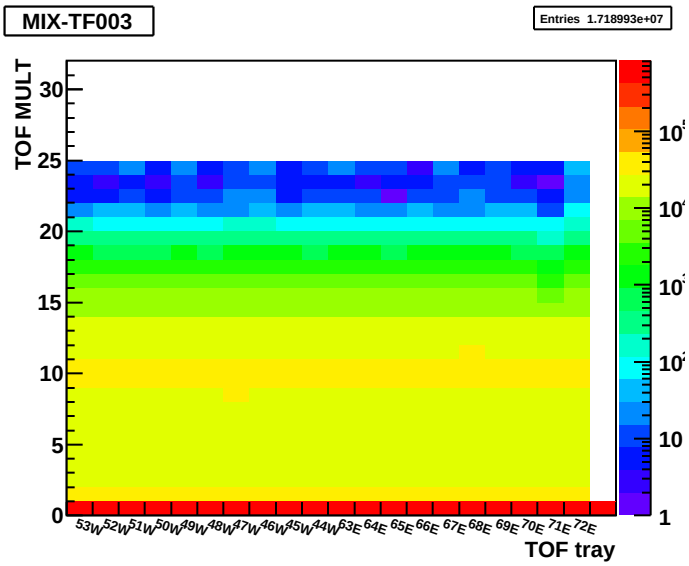

FP201 0-15 (ch5)
Entries 6548544
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

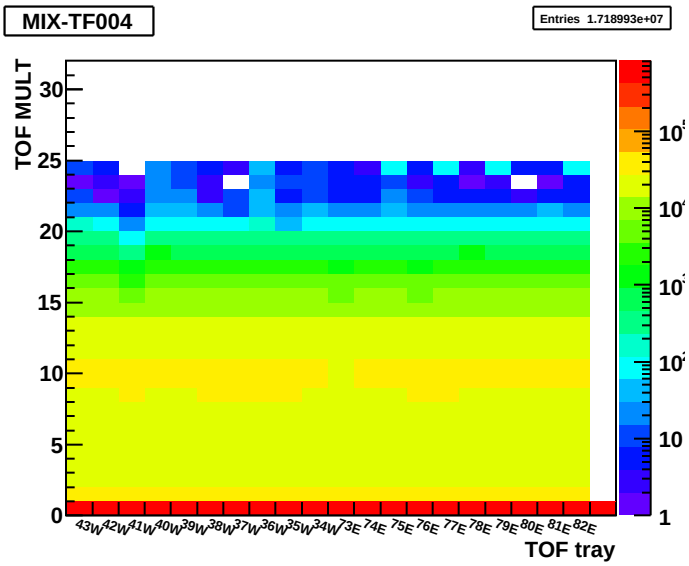

ST201 0-15 (ch6)
Entries 6548544
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

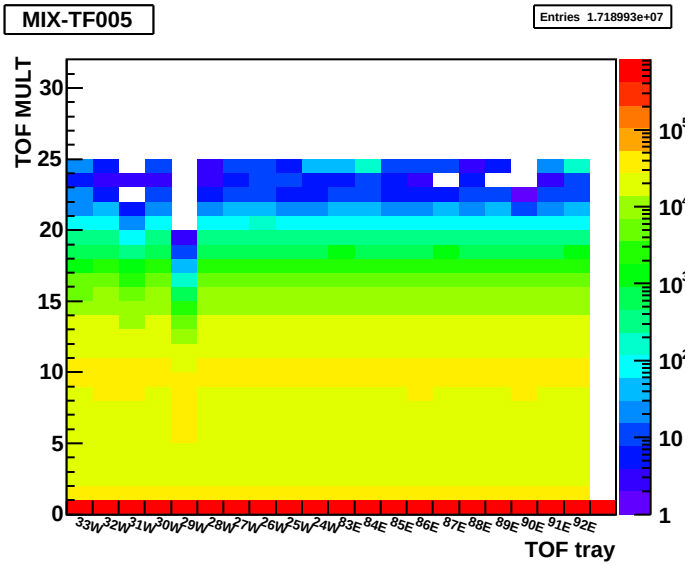

Unused (ch7)
Entries 6548544

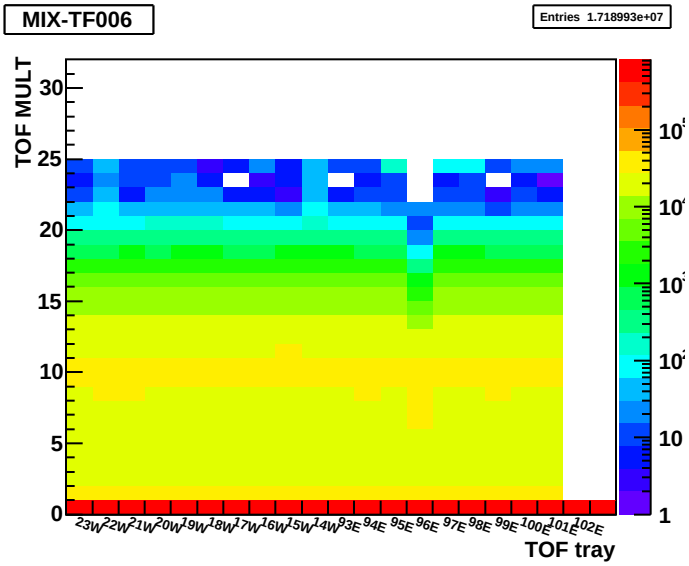

MIX-TF001
Entries 1.718993e+07
TOF MULT
TOF tray

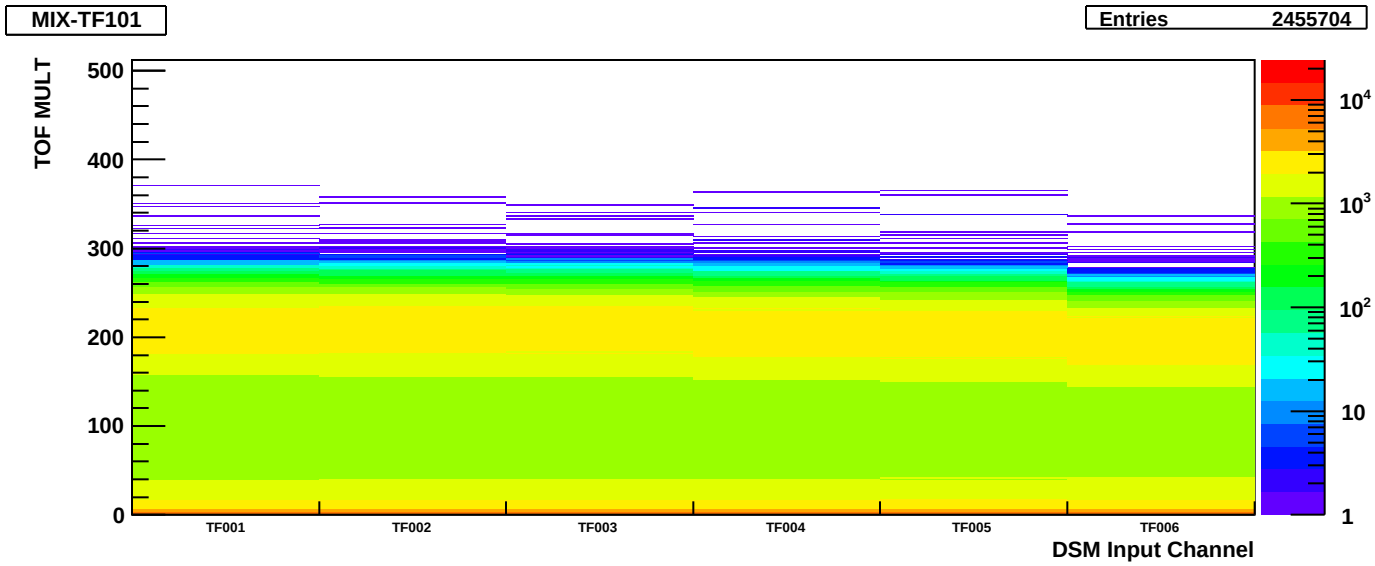

MIX-TF002
Entries 1.718993e+07
TOF MULT
TOF tray

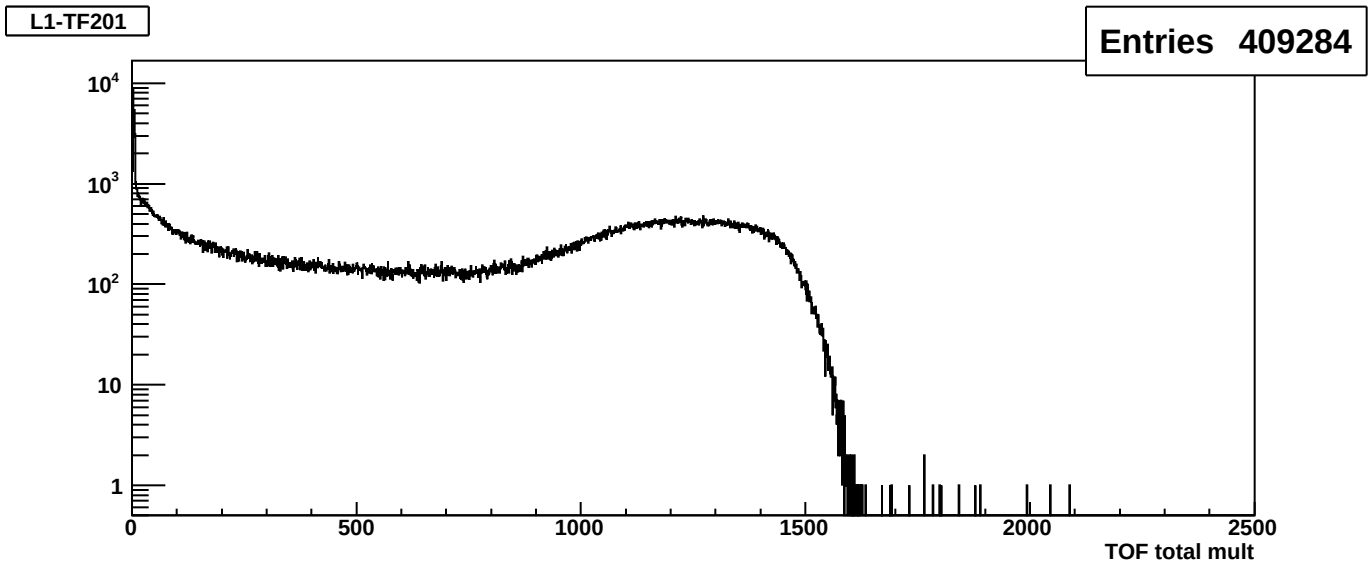

MIX-TF003
Entries 1.718993e+07
TOF MULT
TOF tray

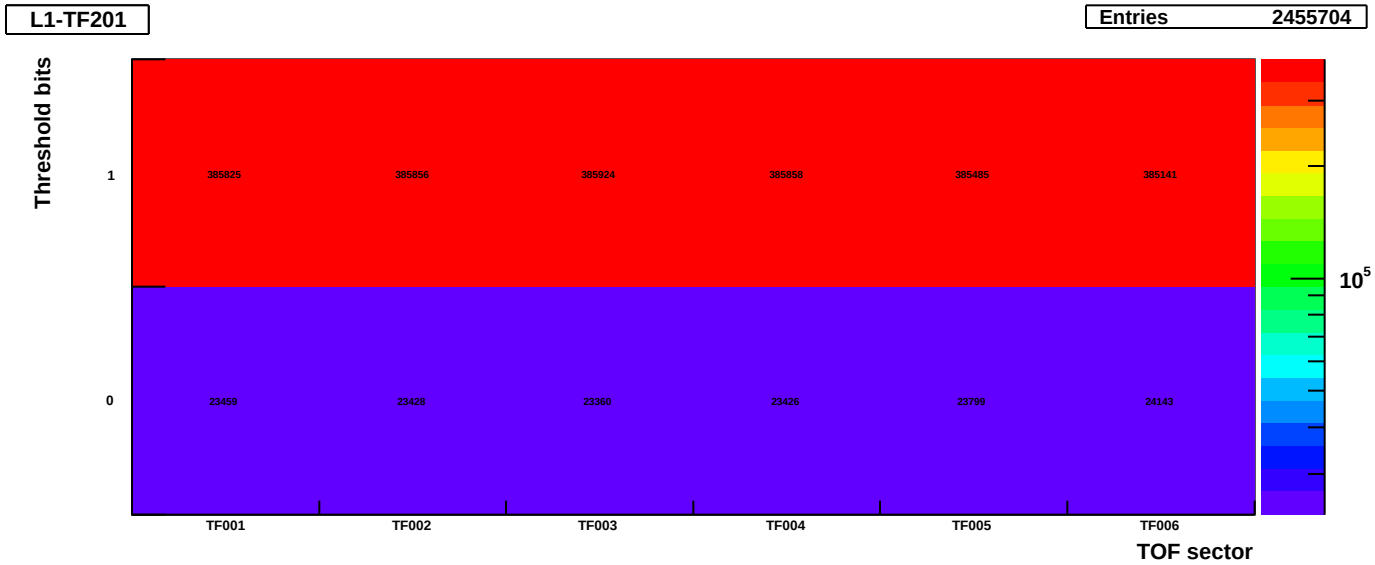

MIX-TF004
Entries 1.718993e+07
TOF MULT
TOF tray

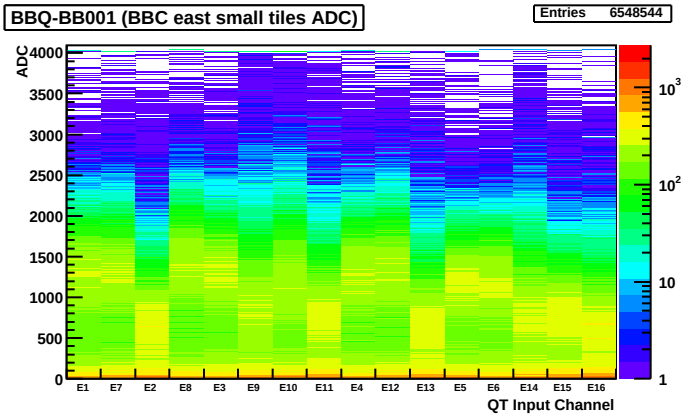

MIX-TF005
Entries 1.718993e+07
TOF MULT
TOF tray

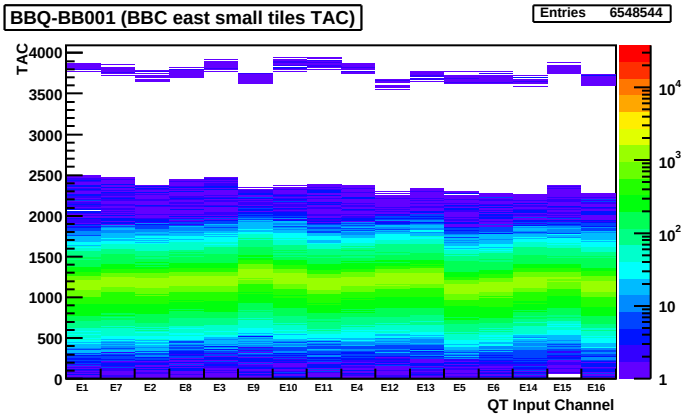

MIX-TF006
Entries 1.718993e+07
TOF MULT
TOF tray

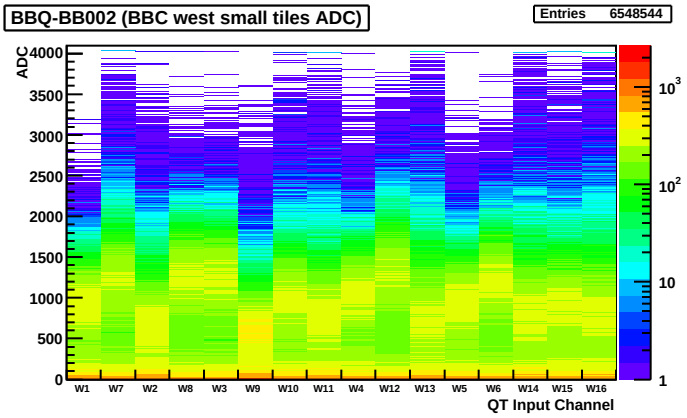

MIX-TF101
Entries 2455704
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

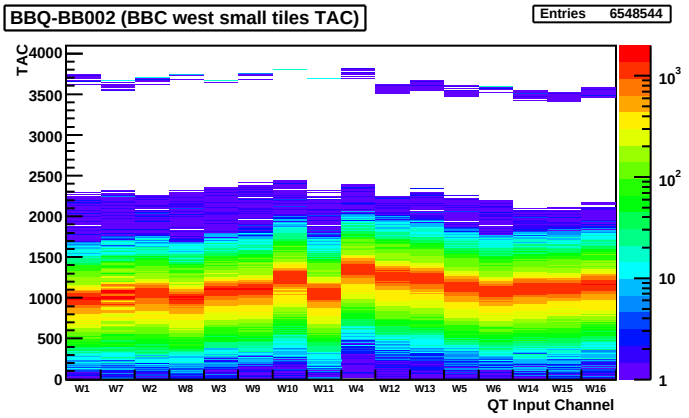

L1-TF201
Entries 409284
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

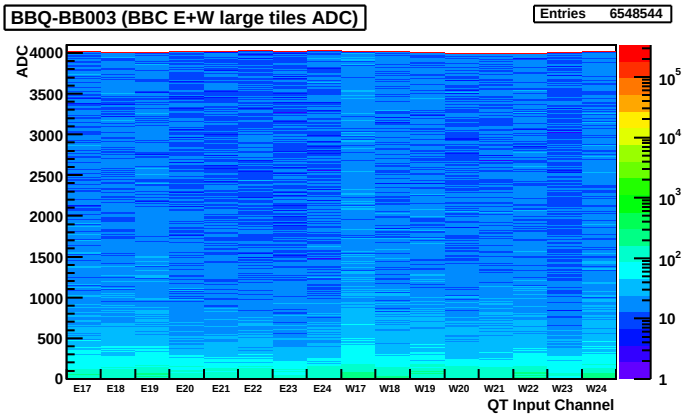

L1-TF201
Entries 2455704
Threshold bits
1
0
385825
385856
385924
385858
385485
385141
23459
23428
23360
23426
23799
24143
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

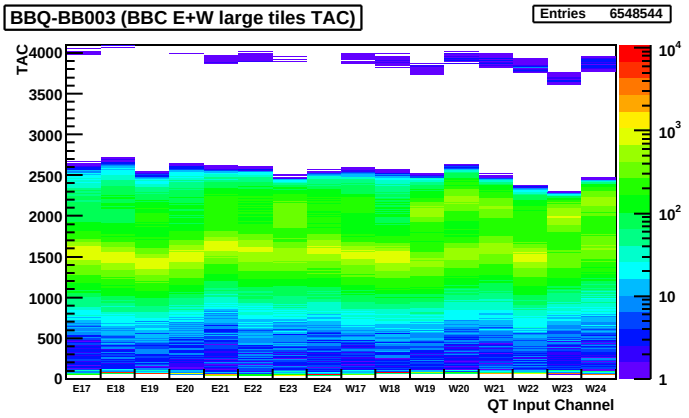

BBQ-BB001 (BBC east small tiles ADC)
Entries 6548544
ADC
QT Input Channel

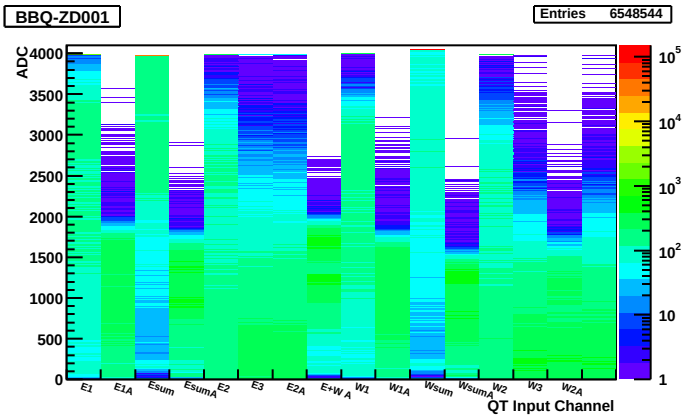

BBQ-BB001 (BBC east small tiles TAC)
Entries 6548544
TAC
QT Input Channel

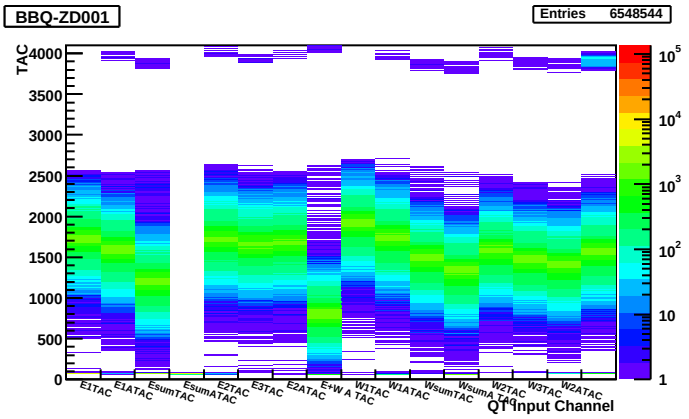

BBQ-BB002 (BBC west small tiles ADC)
Entries 6548544
ADC
QT Input Channel

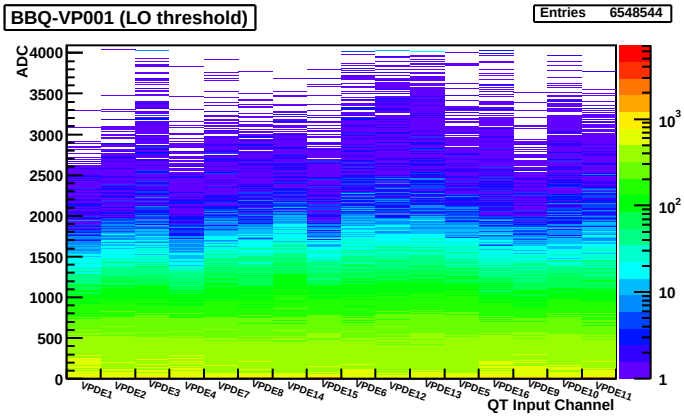

BBQ-BB002 (BBC west small tiles TAC)
Entries 6548544
TAC
QT Input Channel

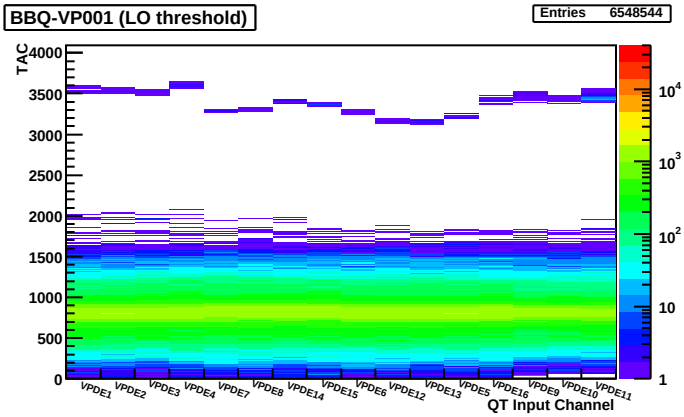

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6548544
ADC
QT Input Channel

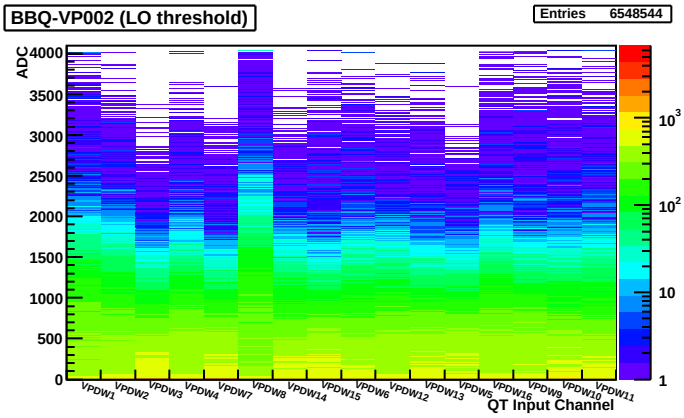

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6548544
TAC
QT Input Channel

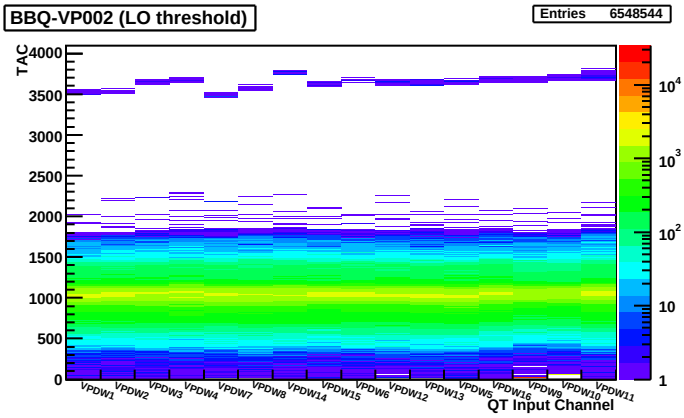

BBQ-ZD001
Entries 6548544
ADC
QT Input Channel

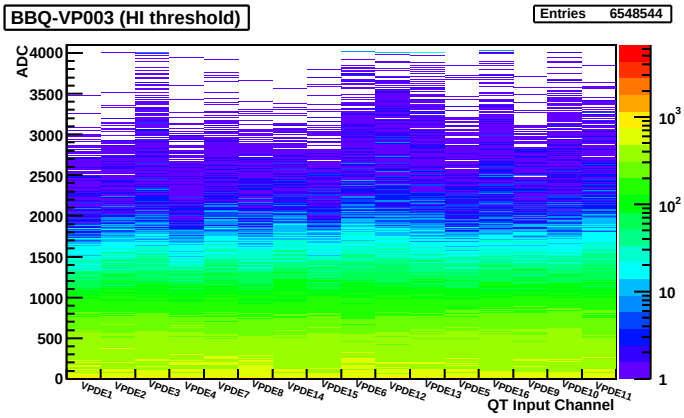

BBQ-ZD001
Entries 6548544
TAC
QT Input Channel

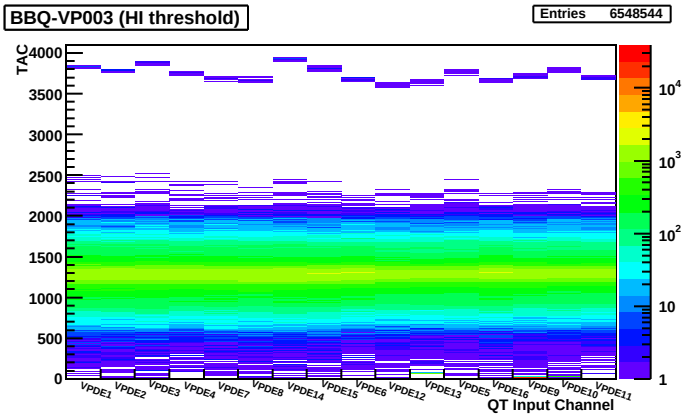

BBQ-VP001 (LO threshold)
Entries 6548544
ADC
QT Input Channel

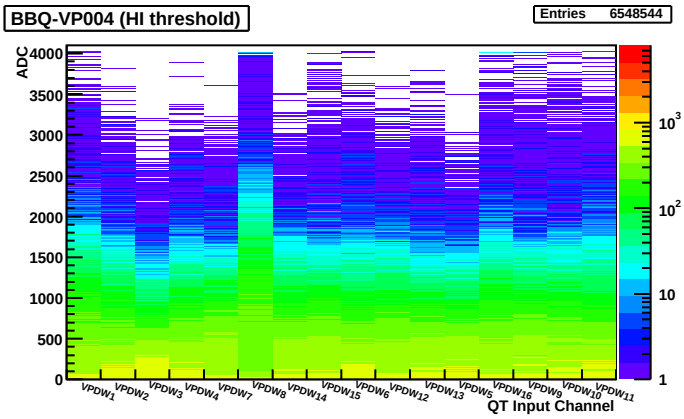

BBQ-VP001 (LO threshold)
Entries 6548544
TAC
QT Input Channel

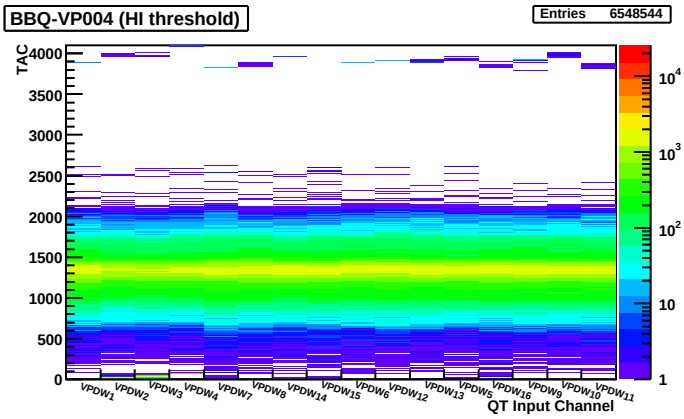

BBQ-VP002 (LO threshold)
Entries 6548544
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 6548544
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6548544
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6548544
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6548544
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6548544
TAC
QT Input Channel