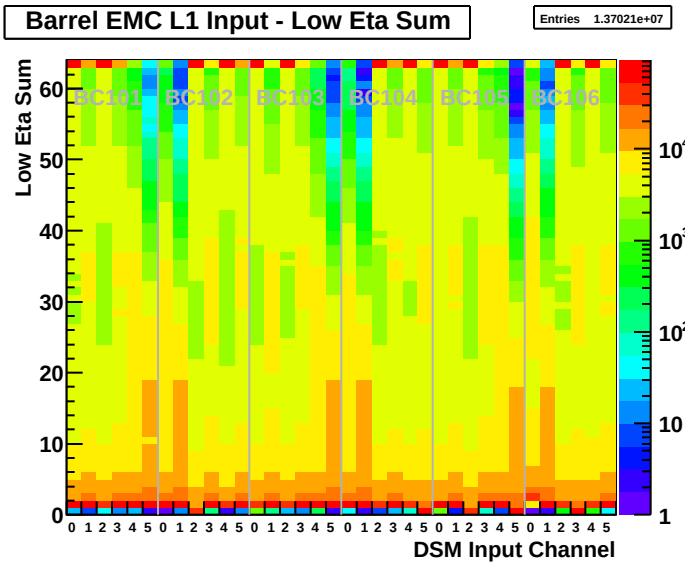
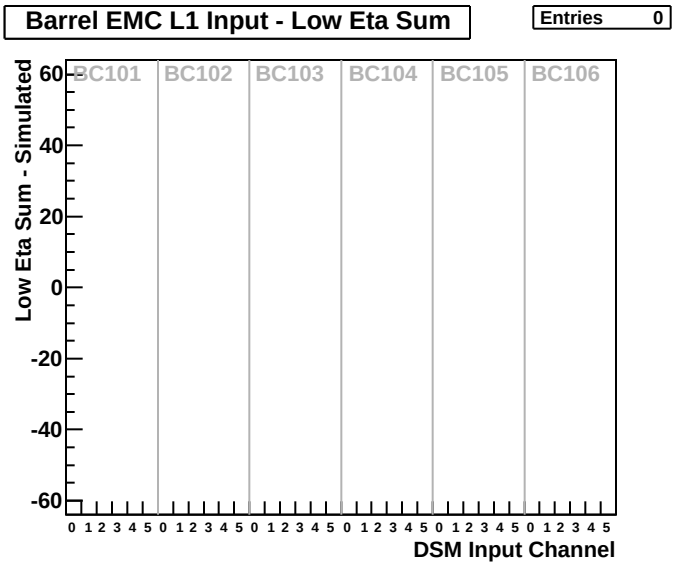
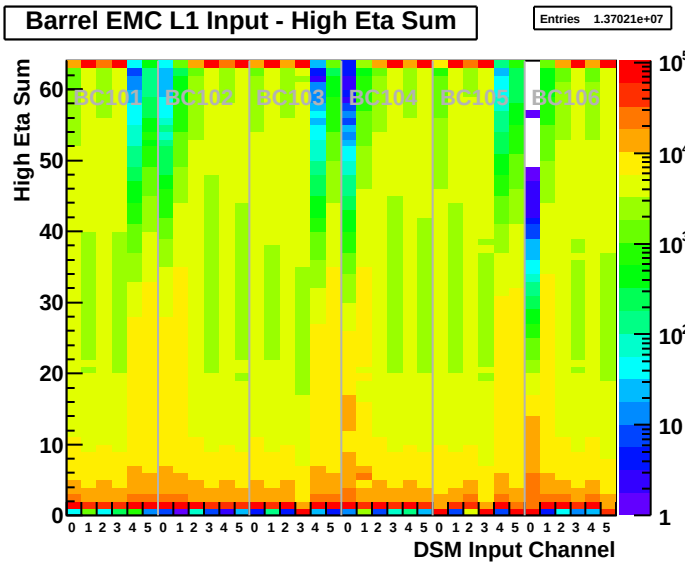
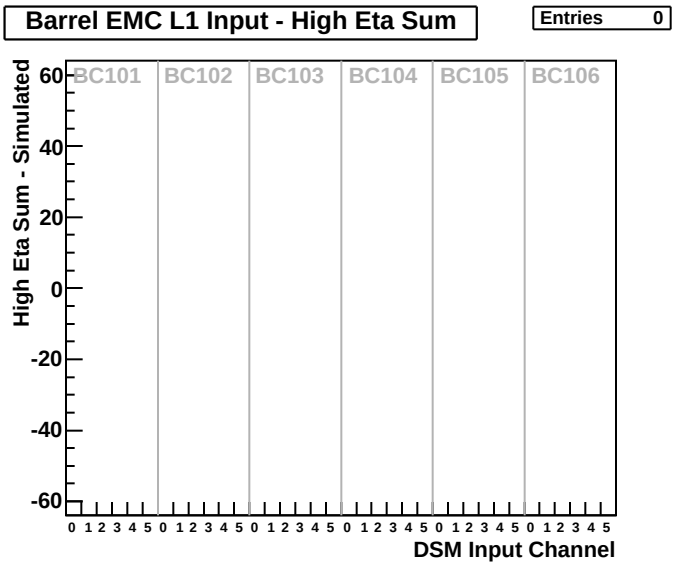
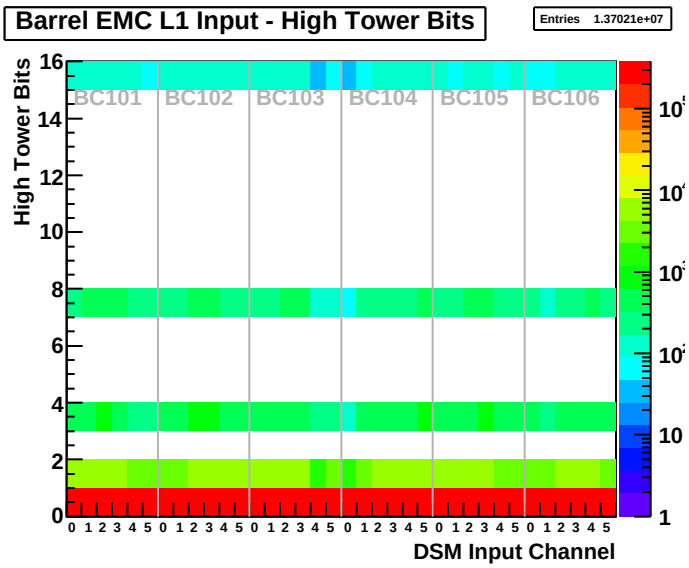
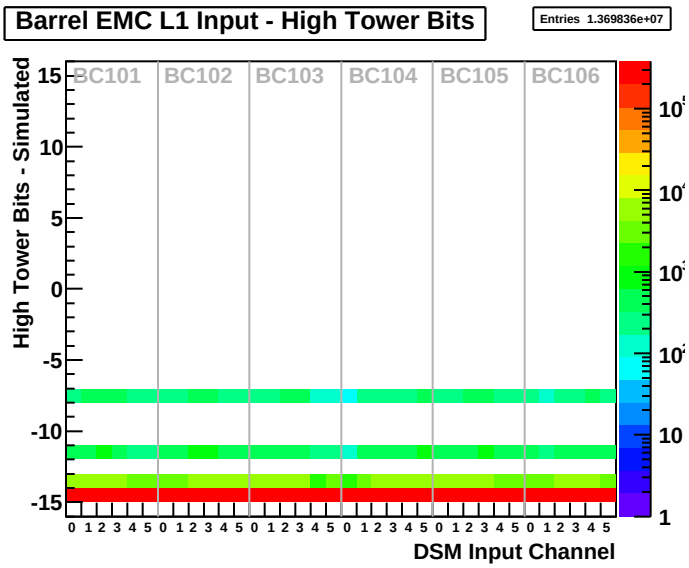

Barrel EMC L1 Input - Low Eta Sum
Entries 1.37021e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

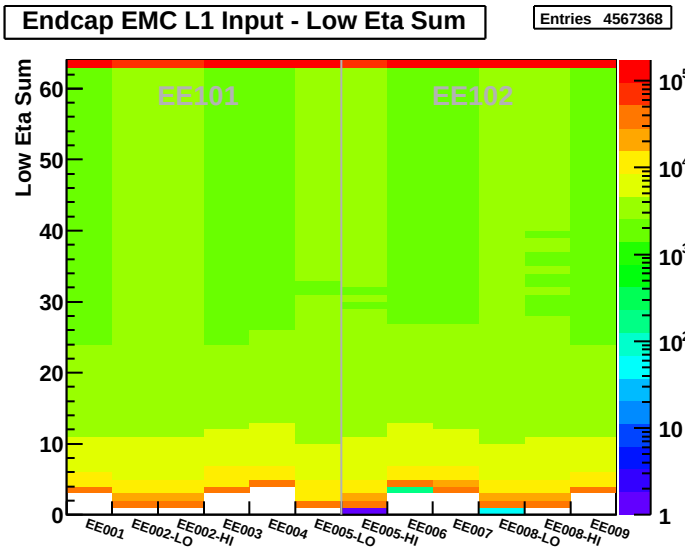

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

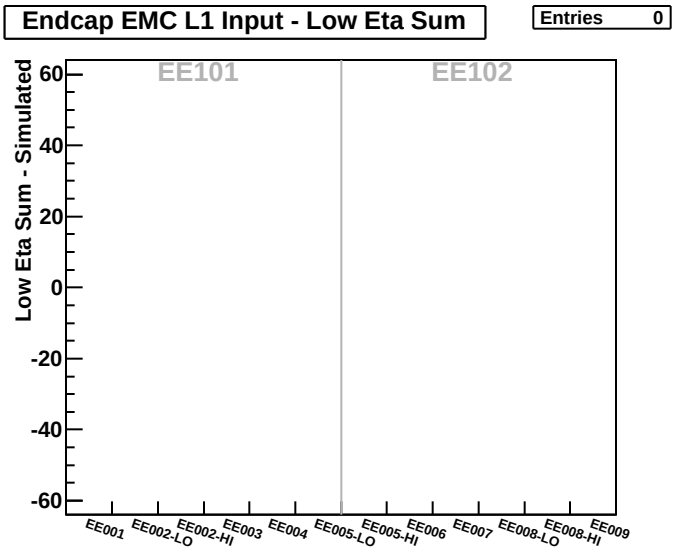

Barrel EMC L1 Input - High Eta Sum
Entries 1.37021e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

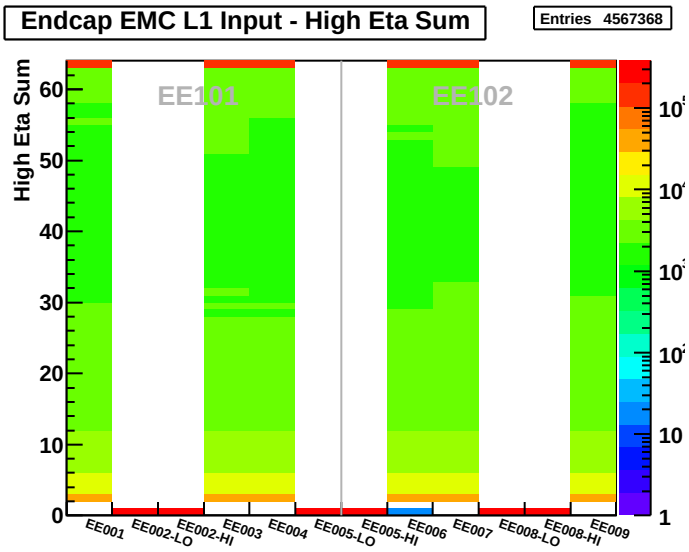

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

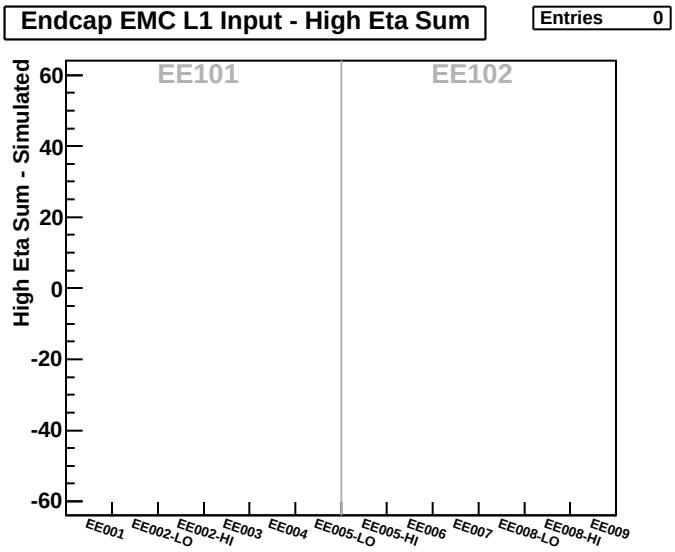

Barrel EMC L1 Input - High Tower Bits
Entries 1.37021e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

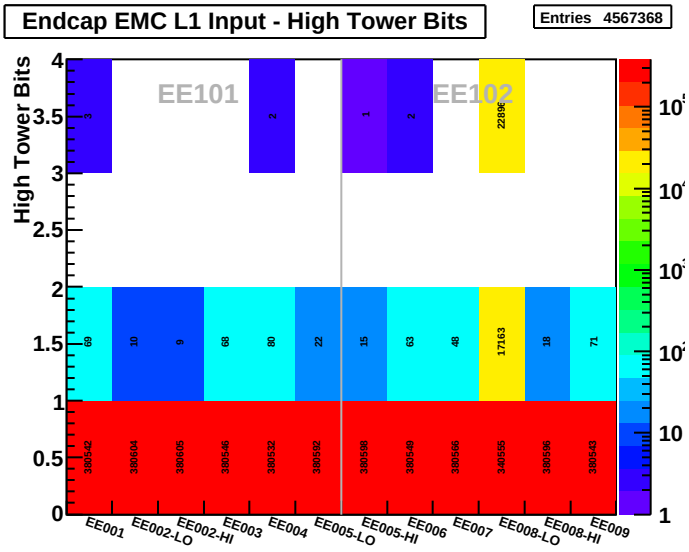

Barrel EMC L1 Input - High Tower Bits
Entries 1.369836e+07
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

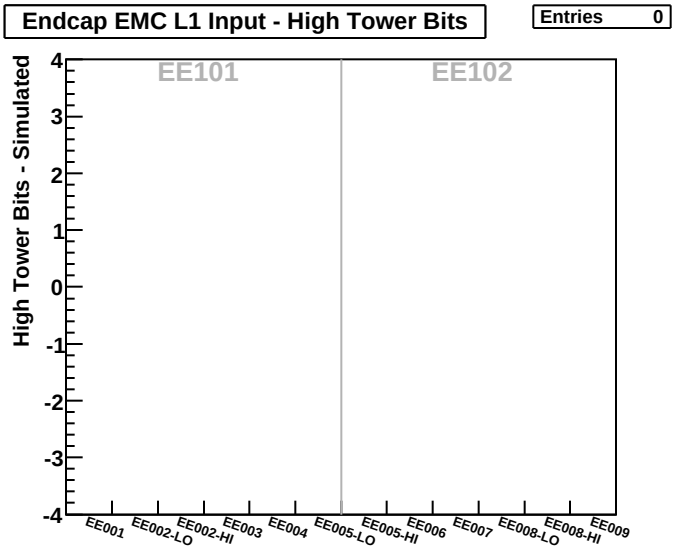

Endcap EMC L1 Input - Low Eta Sum
Entries 4567368
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

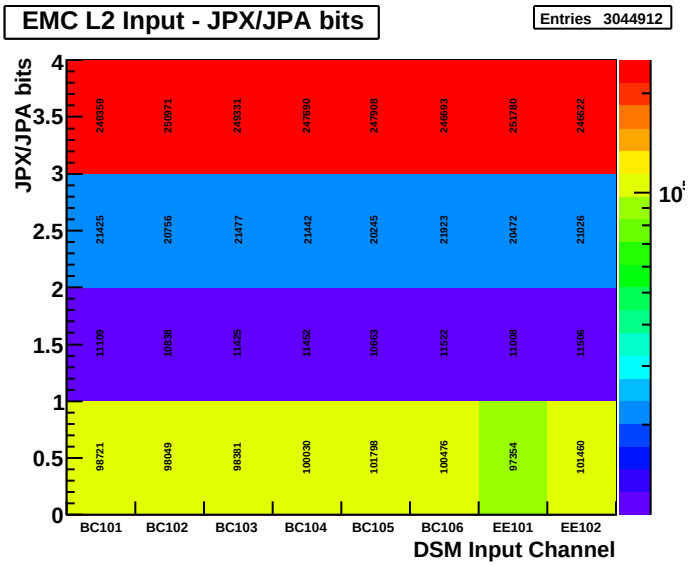

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

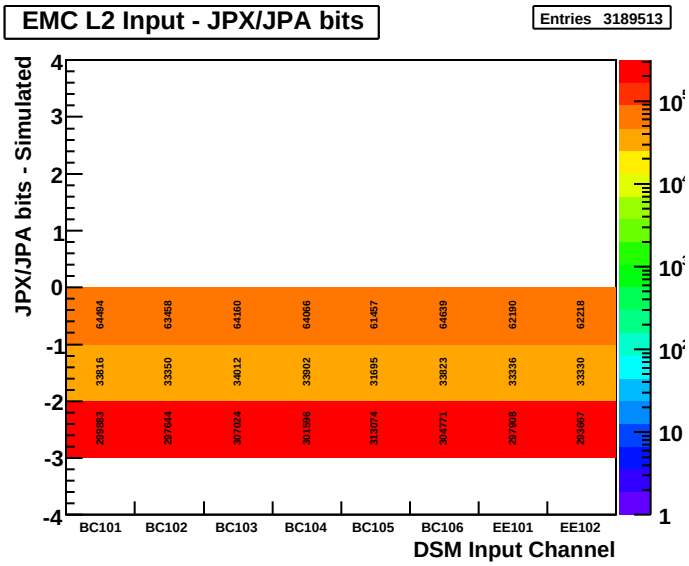

Endcap EMC L1 Input - High Eta Sum
Entries 4567368
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

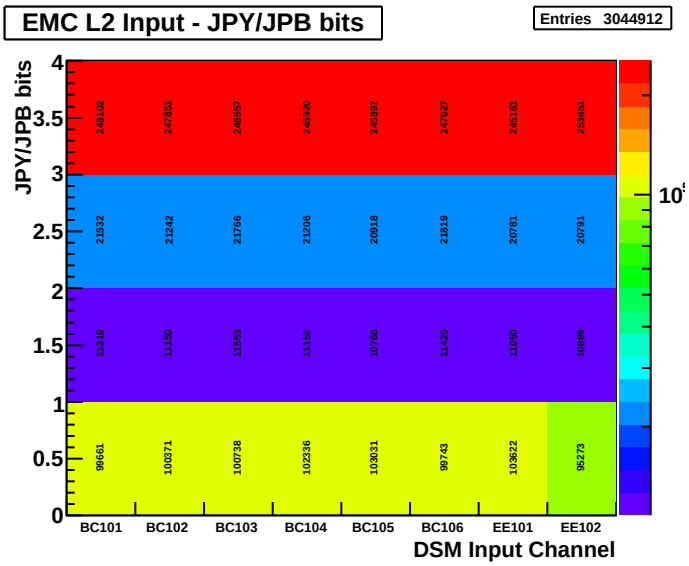

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

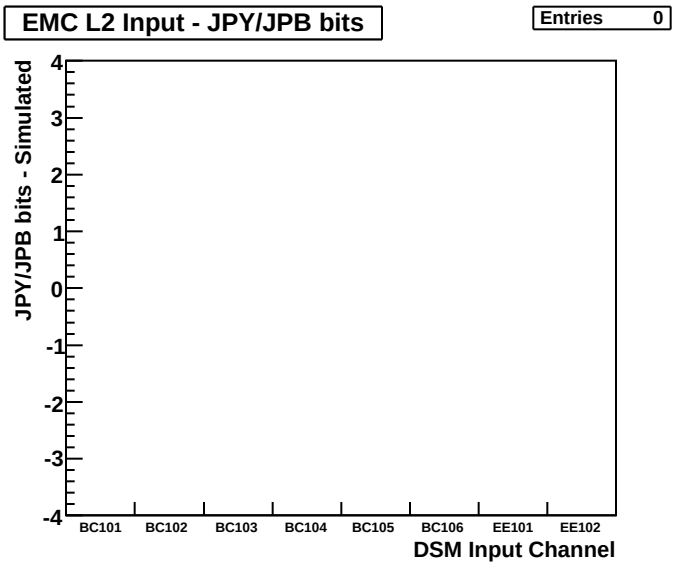

Endcap EMC L1 Input - High Tower Bits
Entries 4567368
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

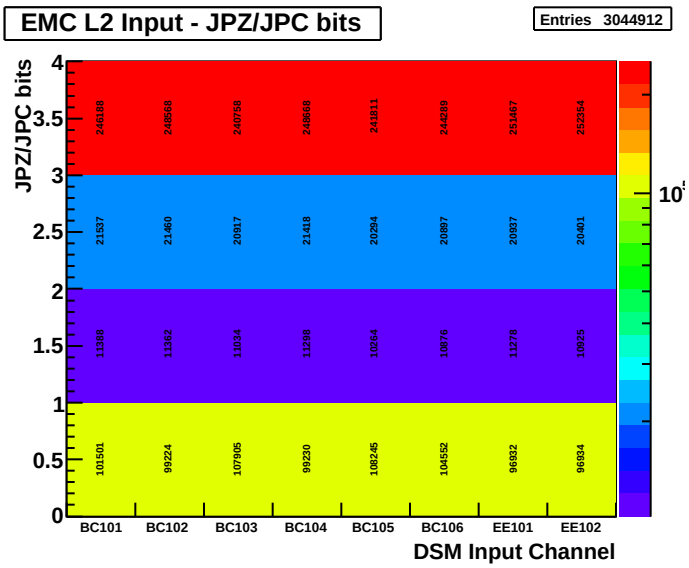

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

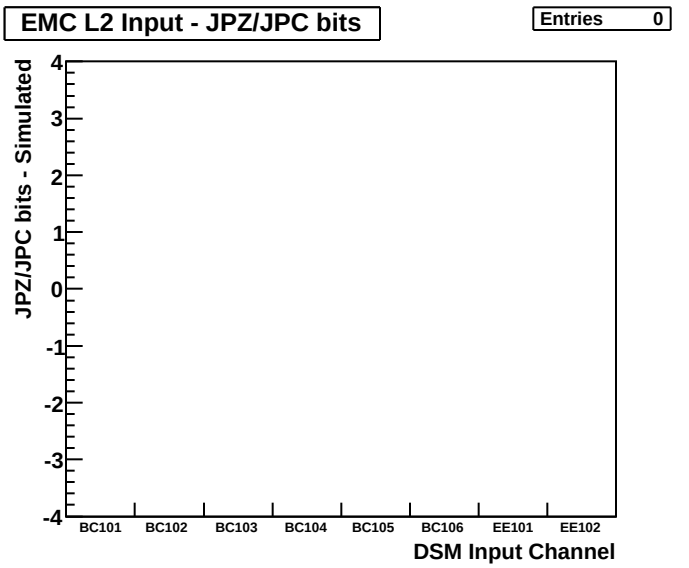

EMC L2 Input - JPX/JPA bits
Entries 3044912
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
249959 250871 249331 247690 247908 246693 251780 246622
21425 20756 21477 21442 20245 21923 20472 21026
11109 10838 11425 11452 10663 11522 11008 11506
98721 98049 98381 100030 101798 100476 97354 101460

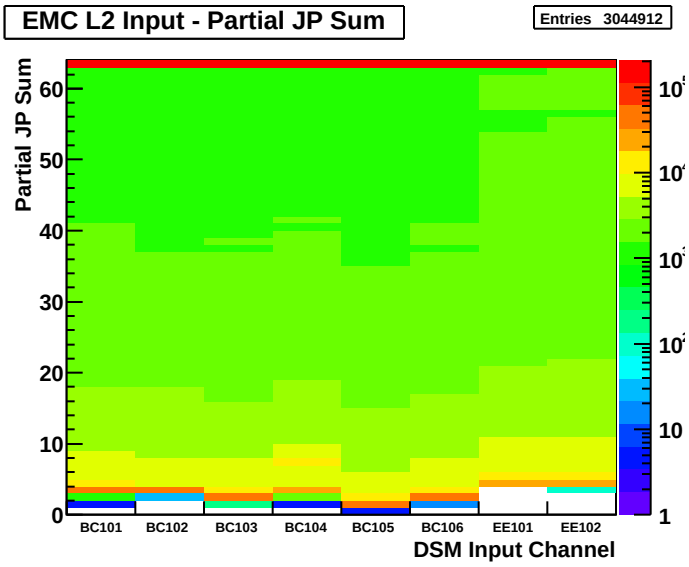

EMC L2 Input - JPX/JPA bits
Entries 3189513
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
64494 63458 64160 64066 61457 64639 62190 62218
33816 33350 34012 33902 31695 33823 33336 33330
299883 297644 307024 301596 313074 304771 297908 293667

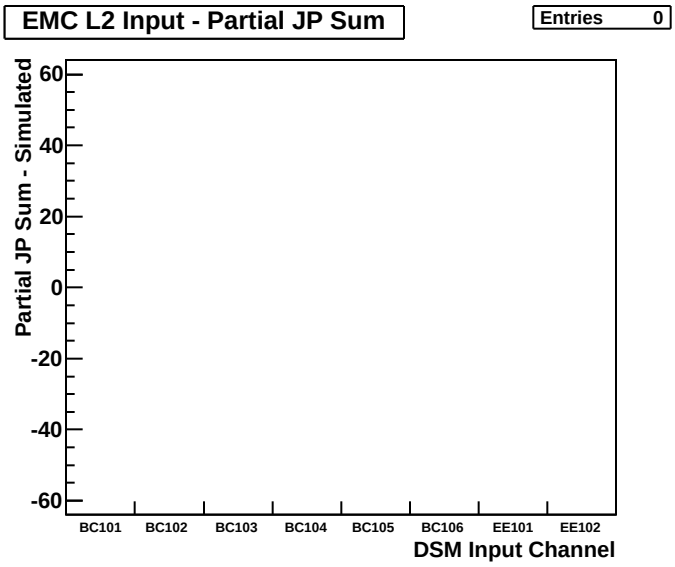

EMC L2 Input - JPY/JPB bits
Entries 3044912
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
248102 247851 246557 246920 246897 247627 246161 253651
21532 21242 21766 21206 20918 21819 20781 20791
11319 11150 11553 11152 10768 11425 11050 10899
99661 100371 100738 102336 103031 99743 103622 95273

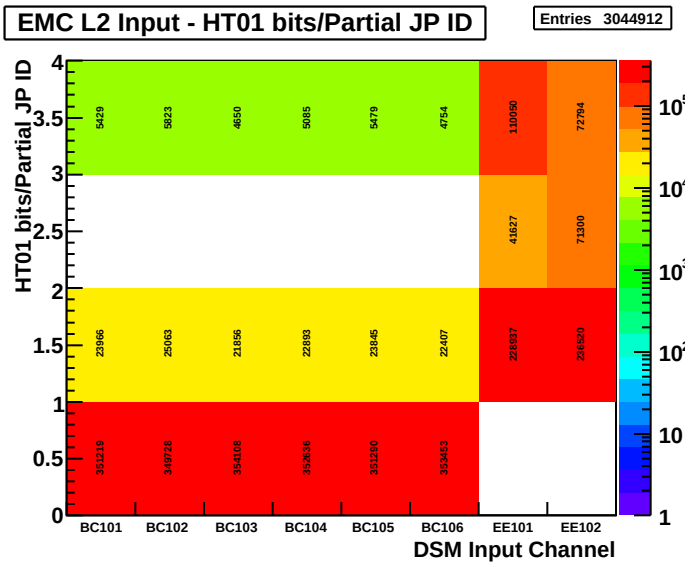

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

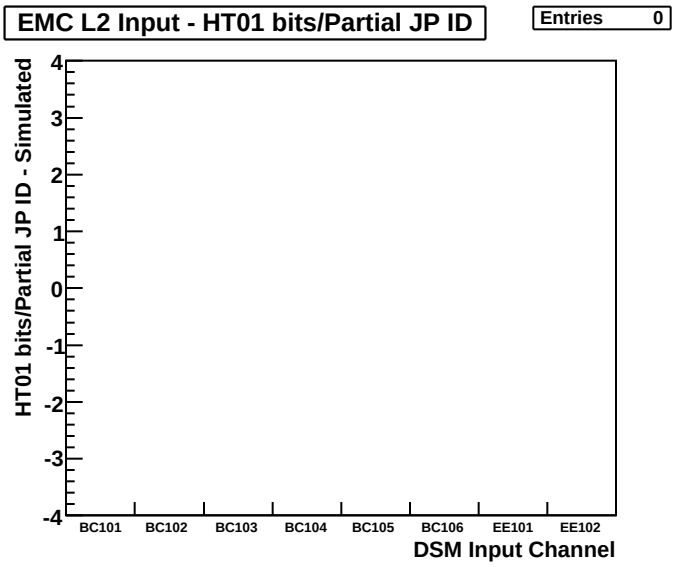

EMC L2 Input - JPZ/JPC bits
Entries 3044912
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
246188 248568 240758 248868 241811 244289 251467 252354
21537 21460 20917 21418 20294 20897 20937 20401
11388 11362 11034 11298 10264 10876 11278 10925
101501 99224 107905 99230 108245 104552 96932 96934

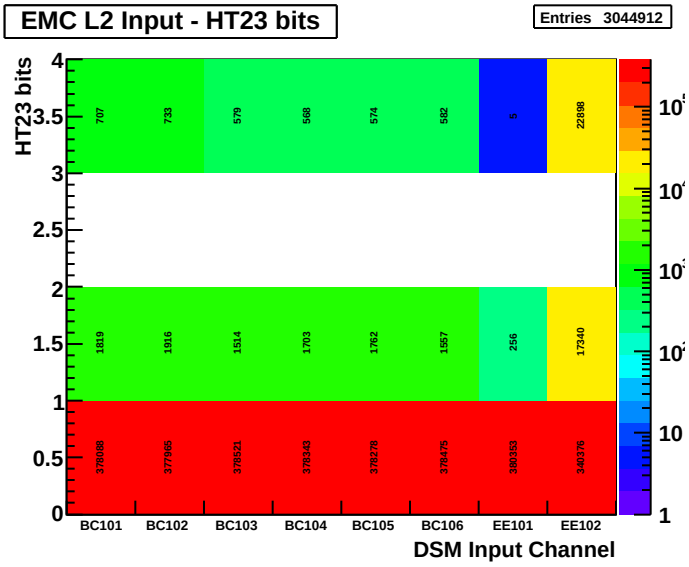

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

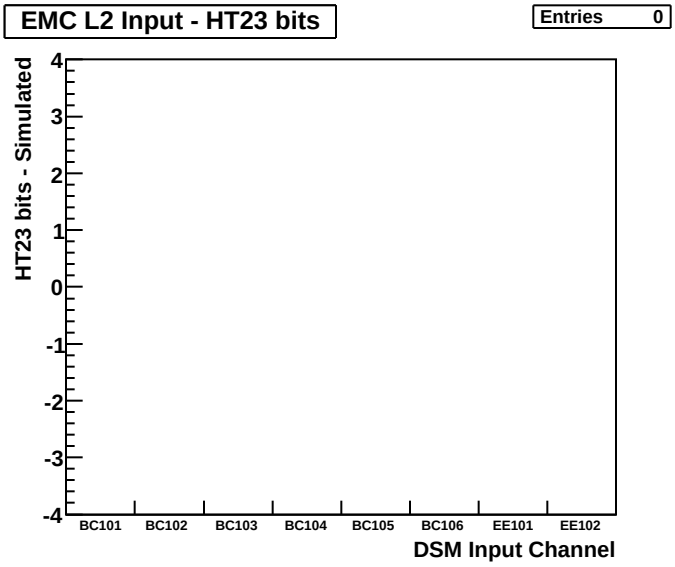

EMC L2 Input - Partial JP Sum
Entries 3044912
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

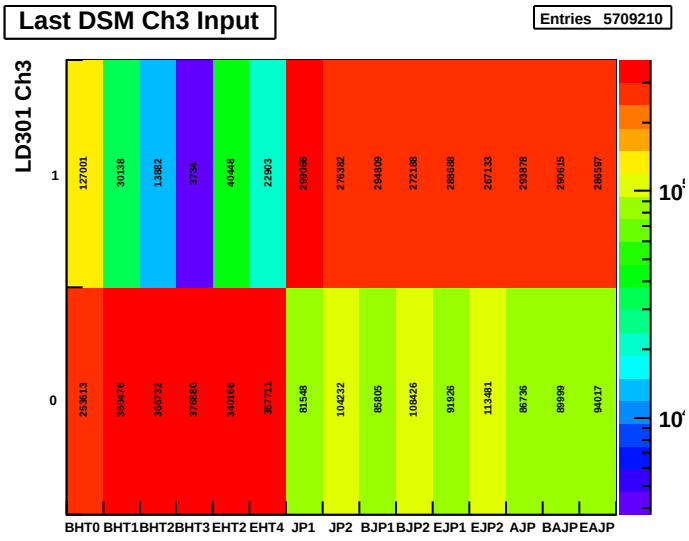

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

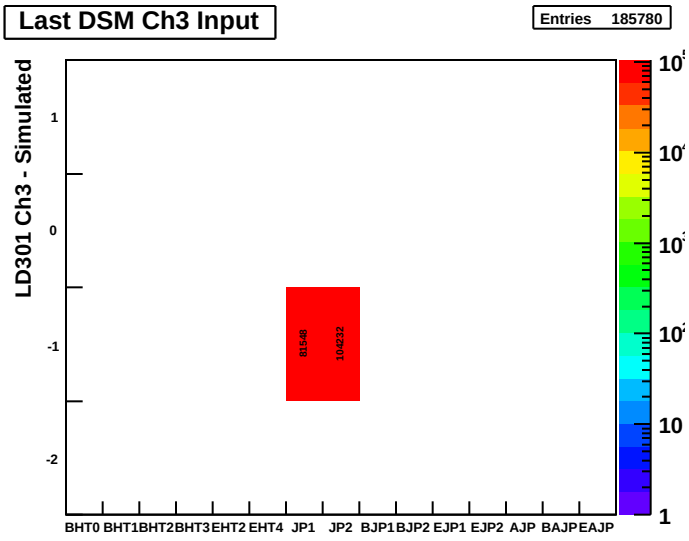

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3044912
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

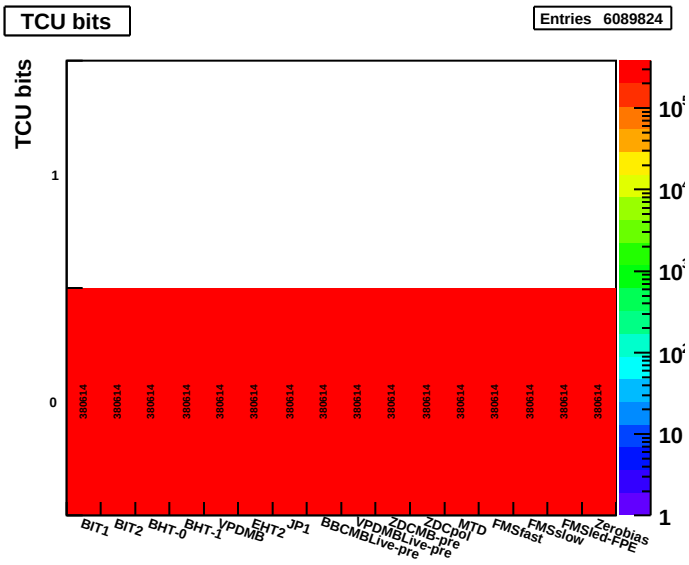

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

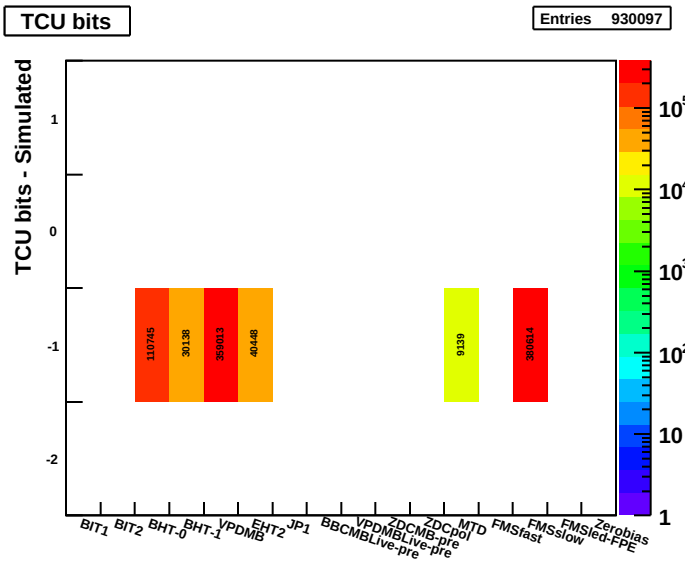

EMC L2 Input - HT23 bits
Entries 3044912
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

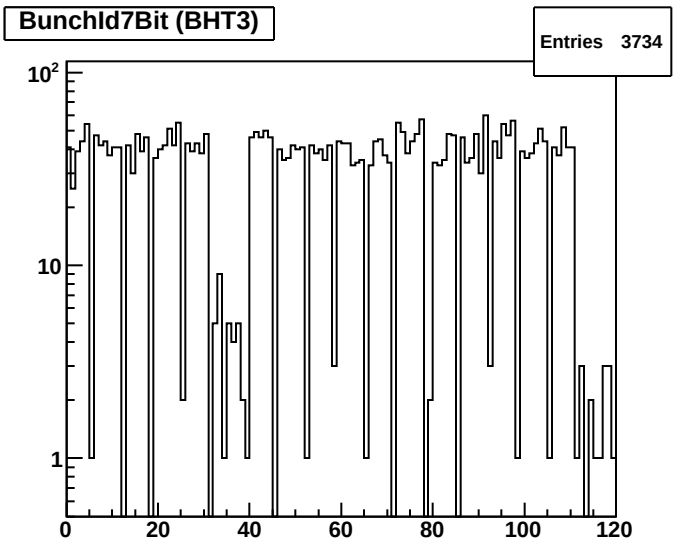

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

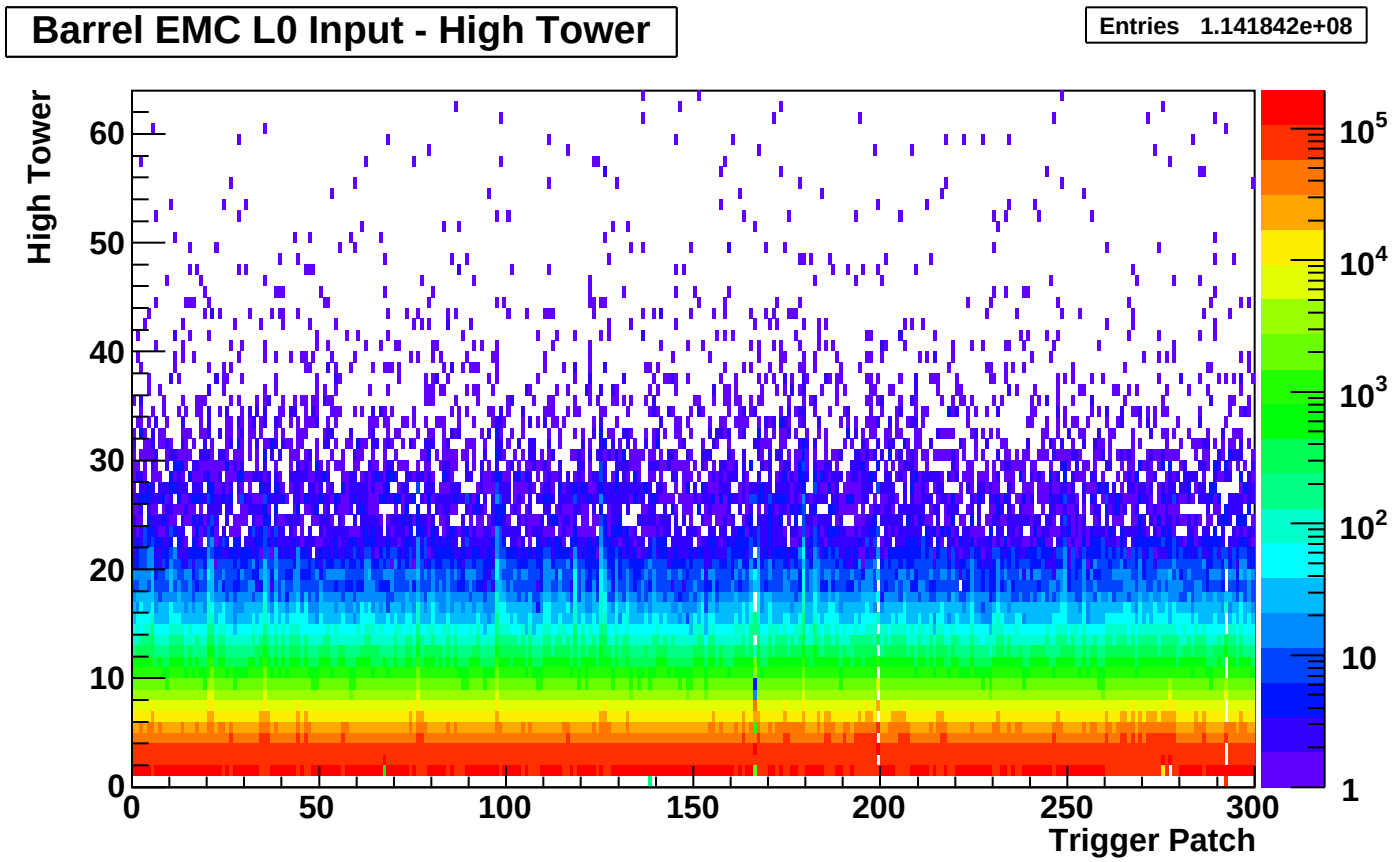

Last DSM Ch3 Input
Entries 5709210
LD301 Ch3
127001 30138 13882 3734 40448 22903 299066 276382 294809 272188 288688 257133 293878 290615 286597
253613 350476 366732 376880 340166 357711 81548 104232 85805 108426 91926 113481 86736 89999 94017
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

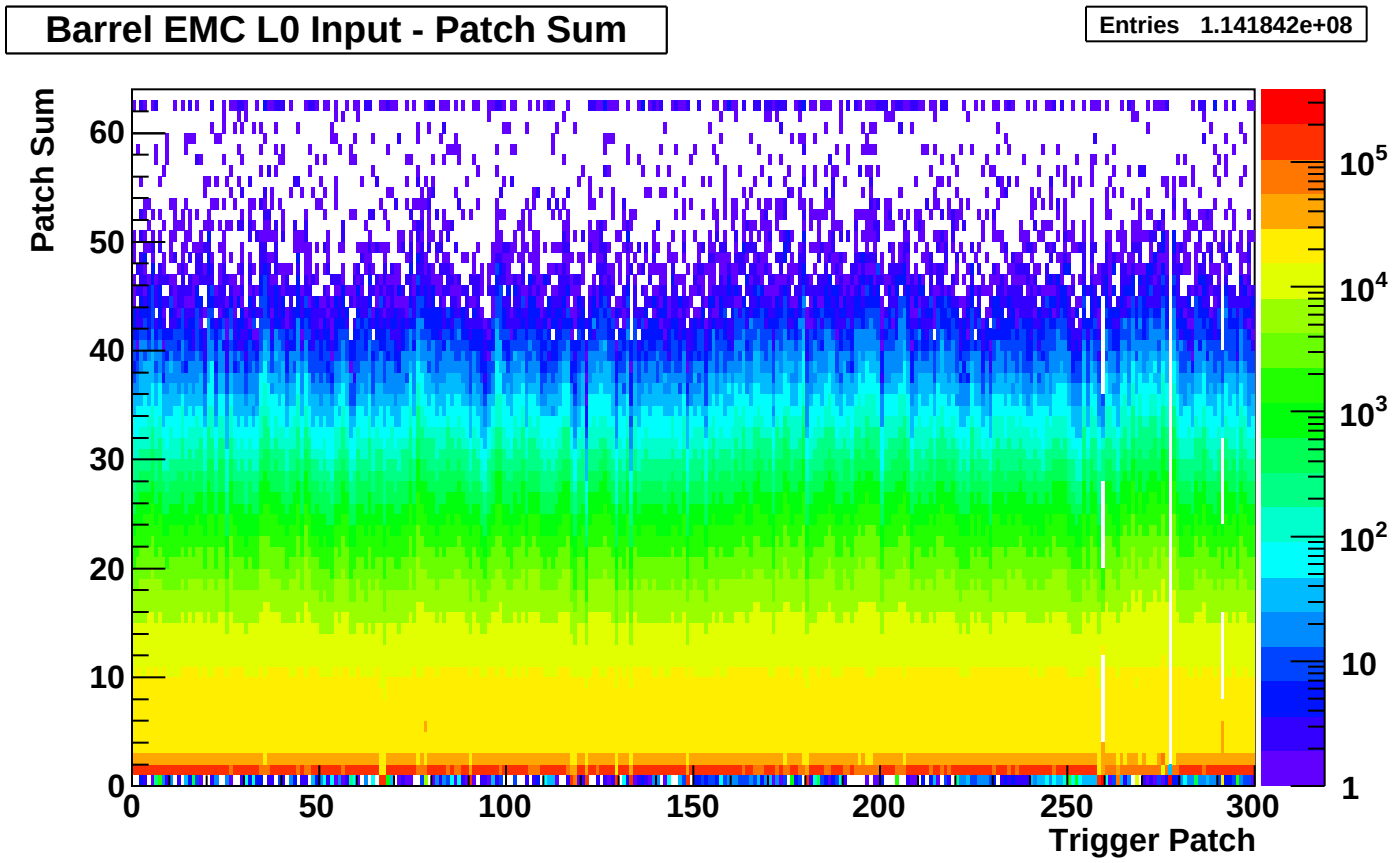

Last DSM Ch3 Input
Entries 185780
LD301 Ch3 - Simulated
81548 104232
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

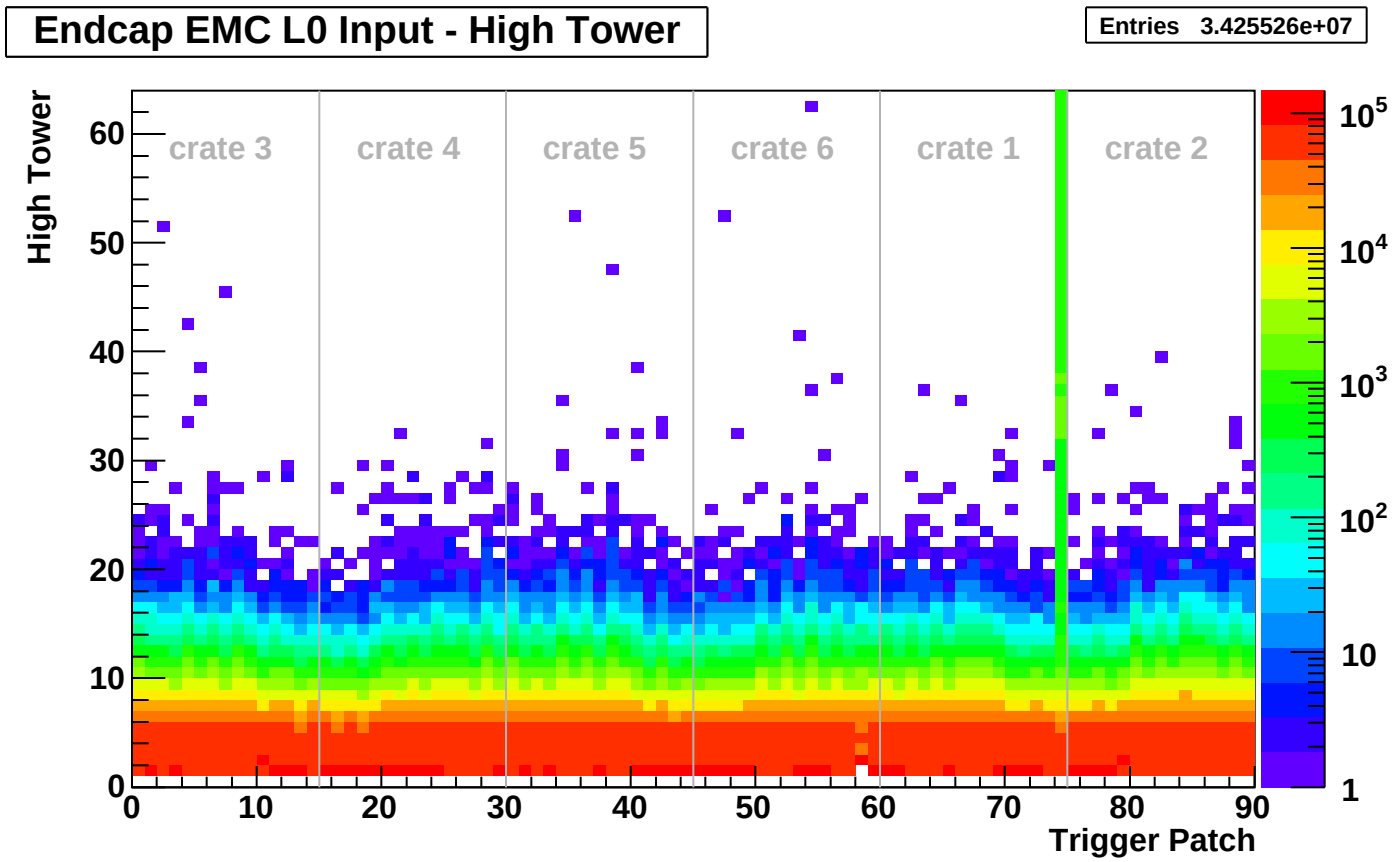

TCU bits
Entries 6089824
380614
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

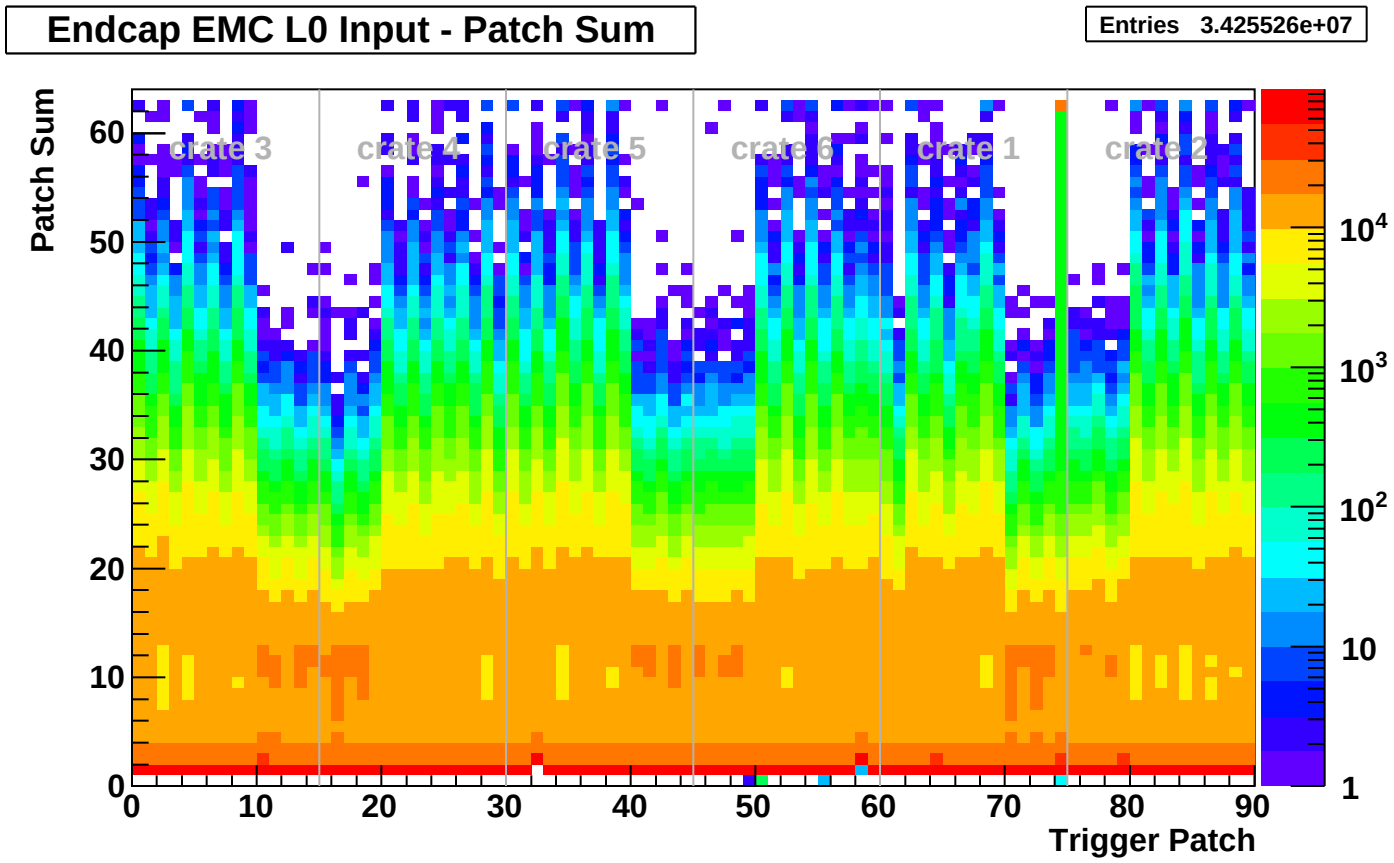

TCU bits
Entries 930097
TCU bits - Simulated
110745 30138 35013 40448 9139 380614
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

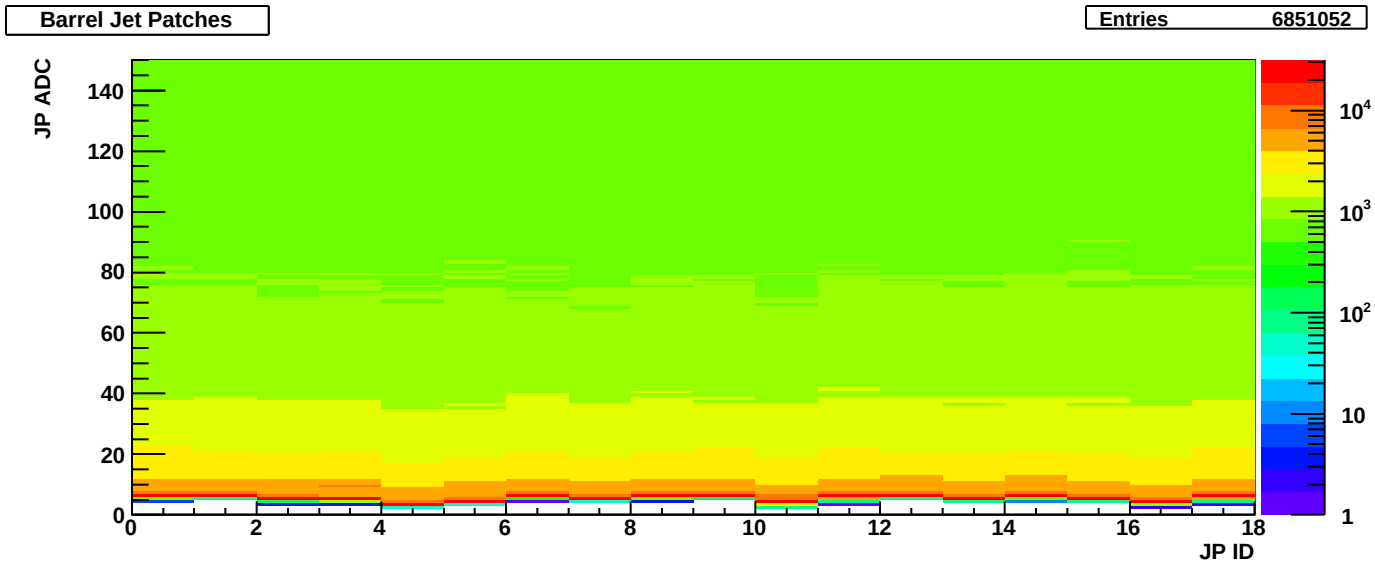

BunchId7Bit (BHT3)
Entries 3734

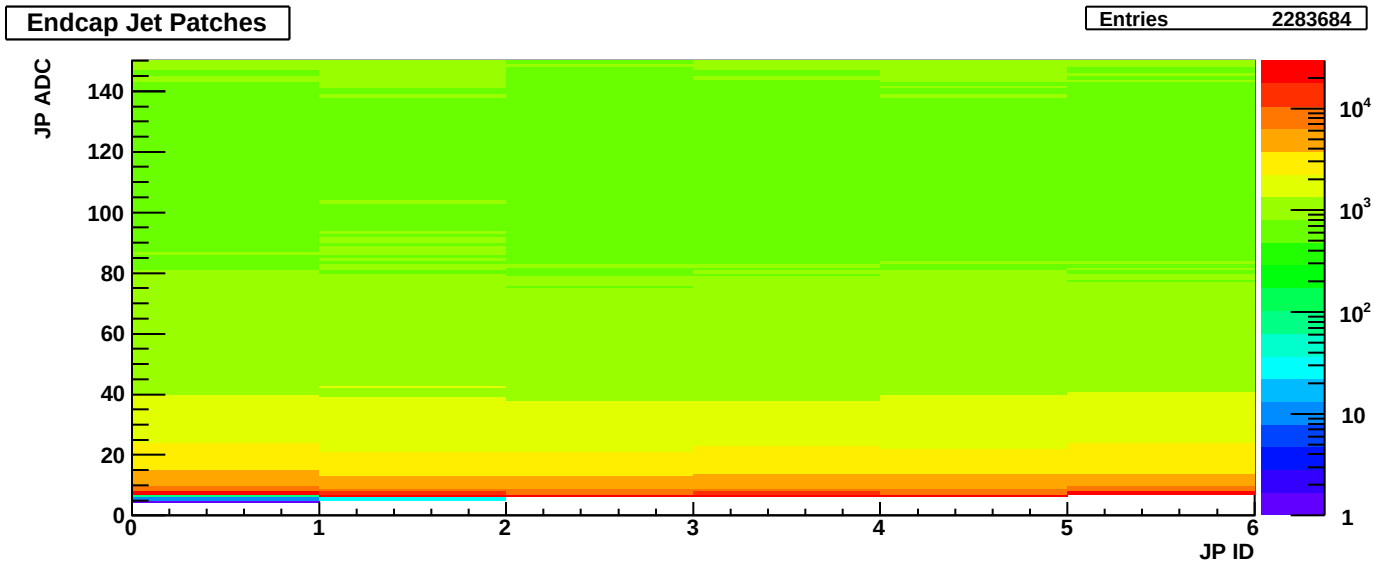

Barrel EMC L0 Input - High Tower
Entries 1.141842e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

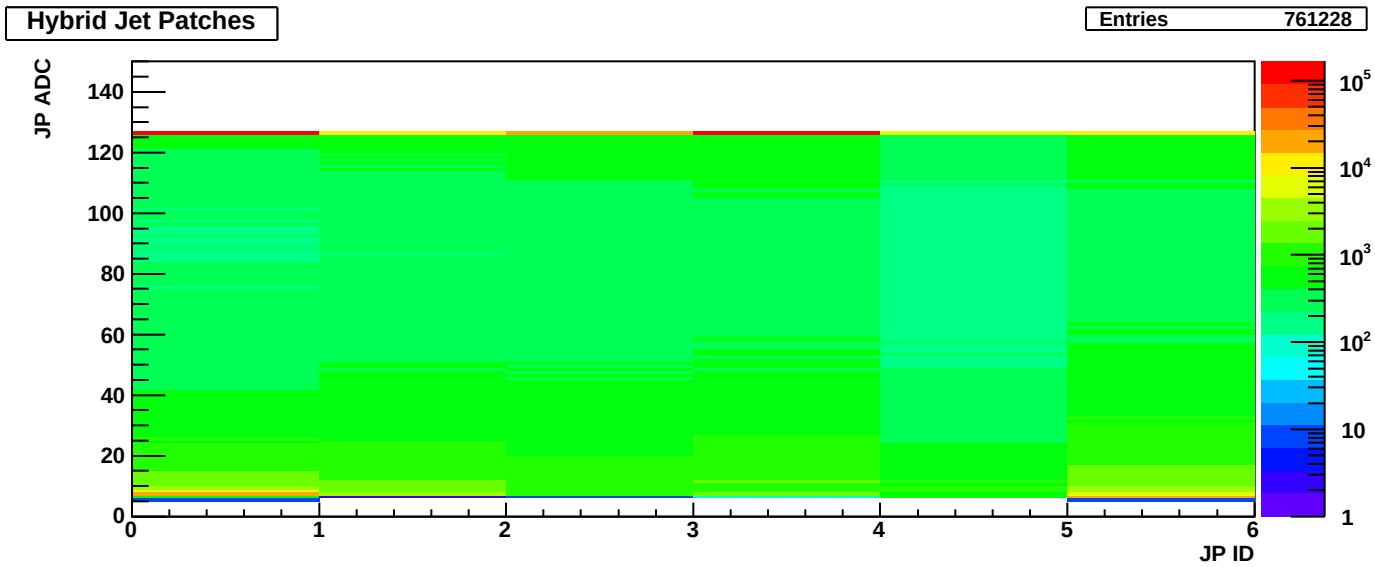

Barrel EMC L0 Input - Patch Sum
Entries 1.141842e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

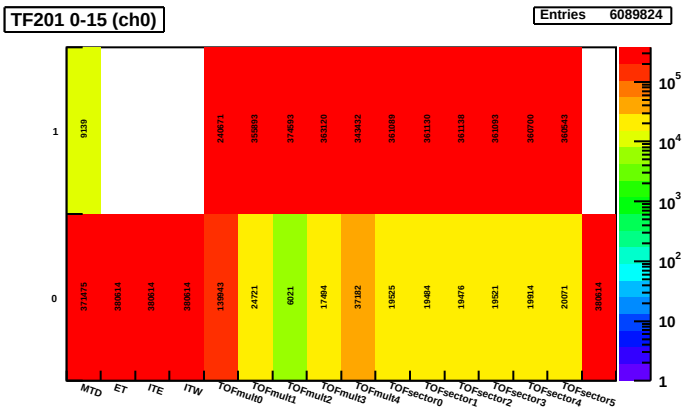

Endcap EMC L0 Input - High Tower
Entries 3.425526e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

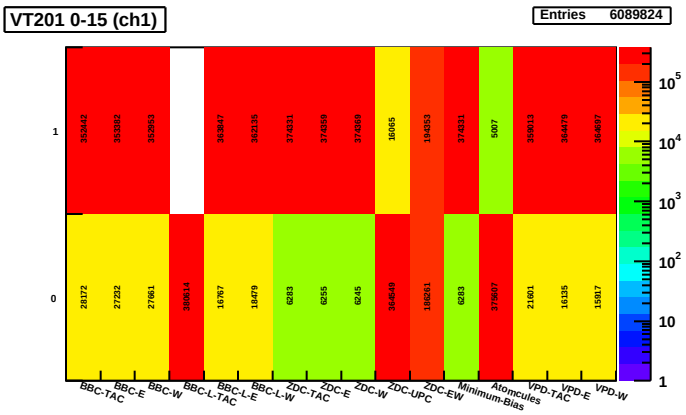

Endcap EMC L0 Input - Patch Sum
Entries 3.425526e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

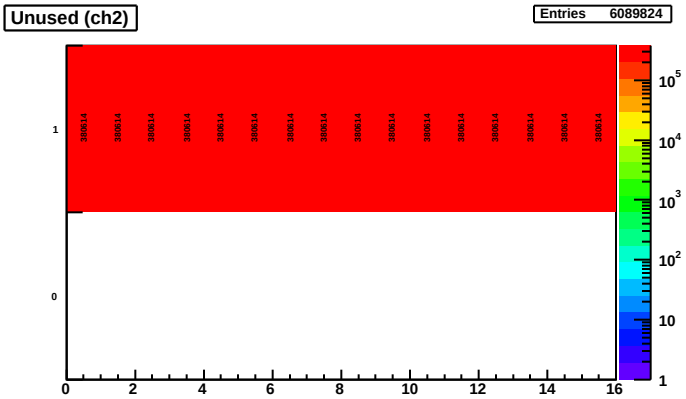

Barrel Jet Patches
Entries 6851052
JP ADC
JP ID

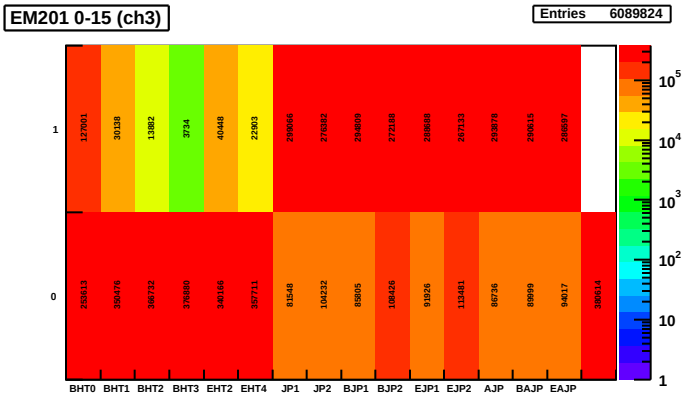

Endcap Jet Patches
Entries 2283684
JP ADC
JP ID

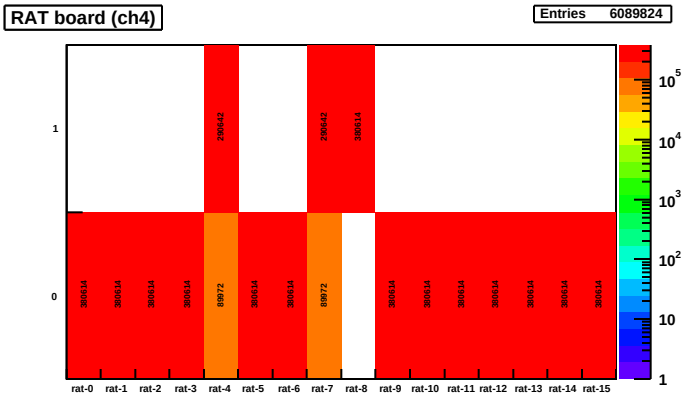

Hybrid Jet Patches
Entries 761228
JP ADC
JP ID

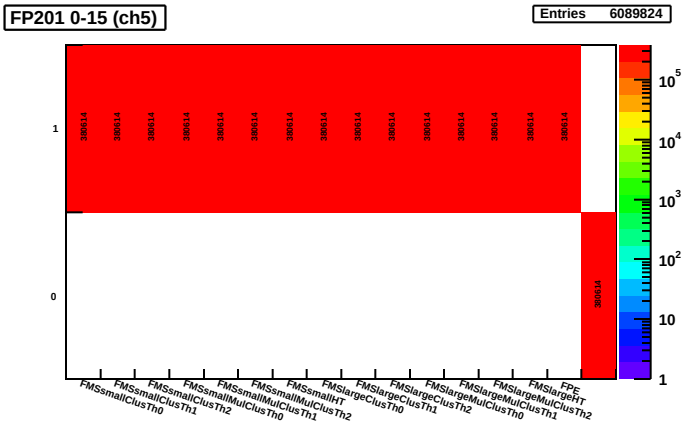

TF201 0-15 (ch0)
Entries 6089824
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

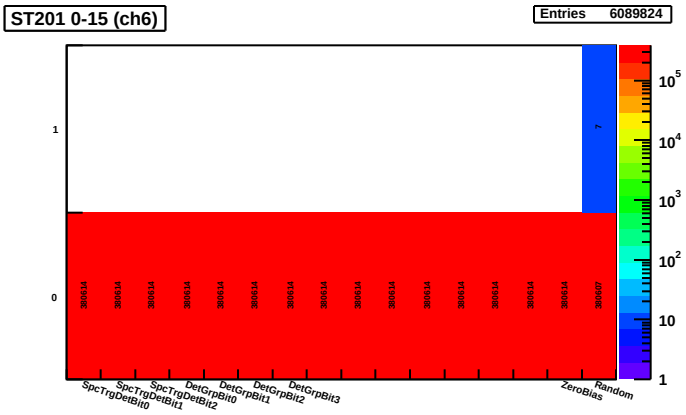

VT201 0-15 (ch1)
Entries 6089824
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

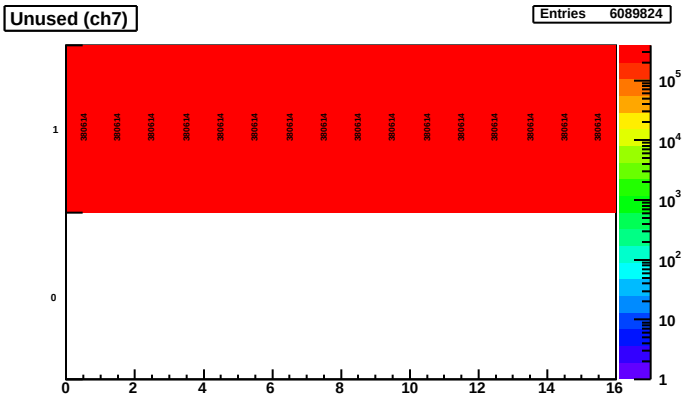

Unused (ch2)
Entries 6089824

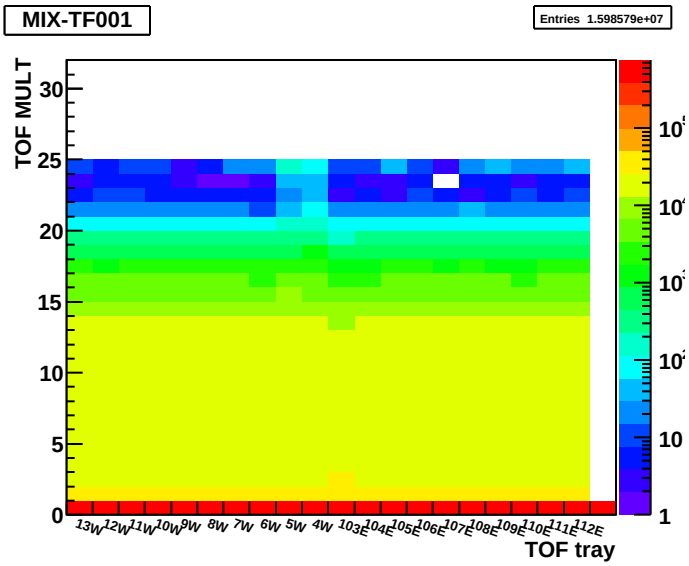

EM201 0-15 (ch3)
Entries 6089824
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

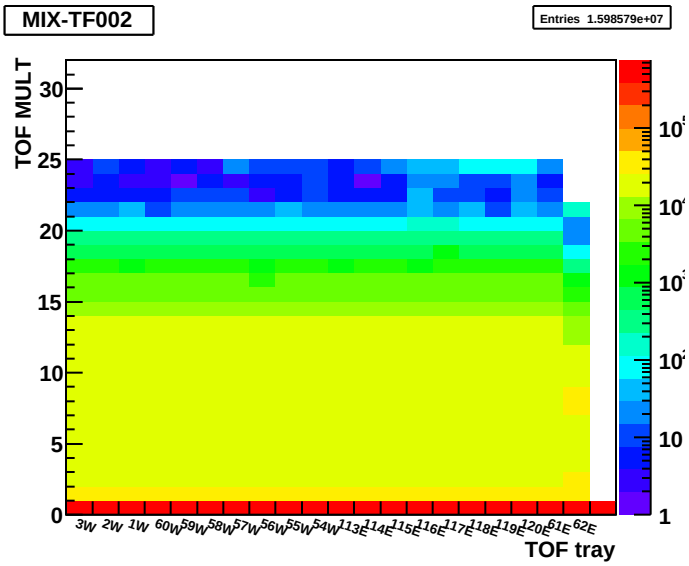

RAT board (ch4)
Entries 6089824
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

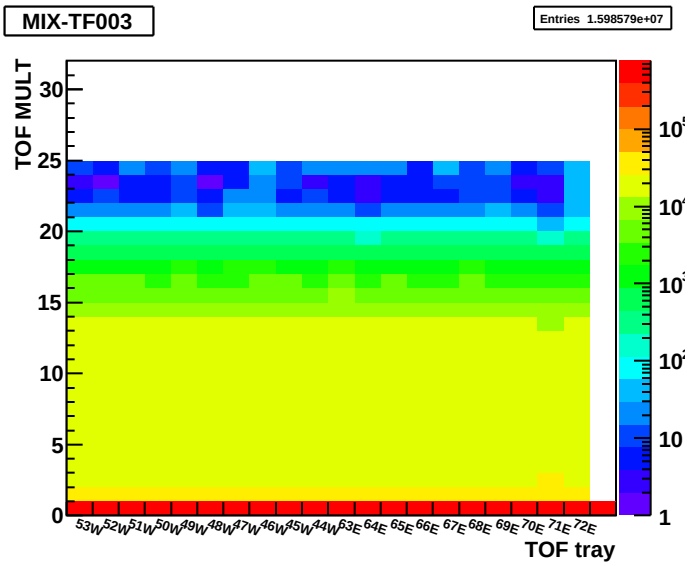

FP201 0-15 (ch5)
Entries 6089824
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

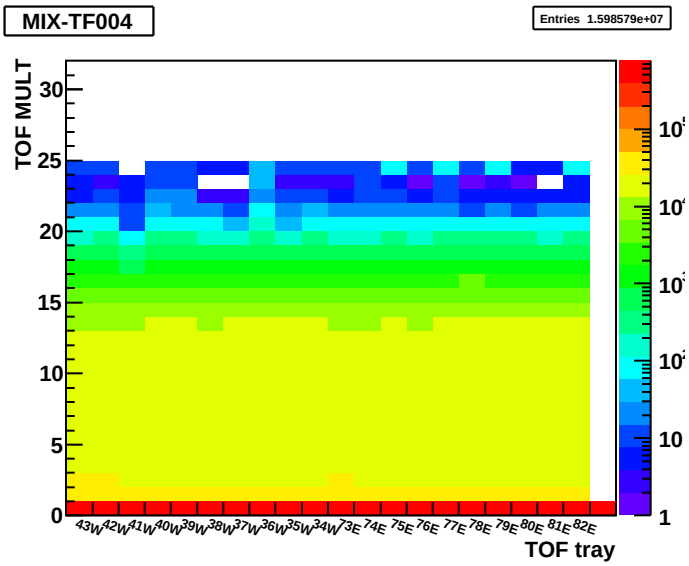

ST201 0-15 (ch6)
Entries 6089824
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random

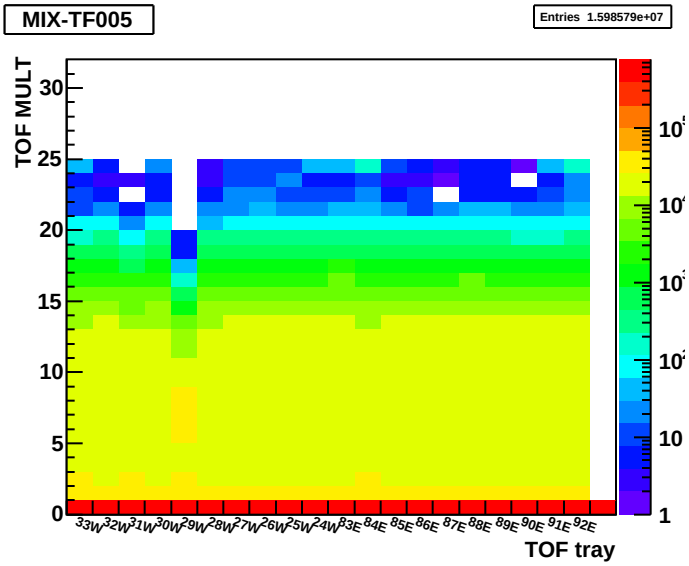

Unused (ch7)
Entries 6089824

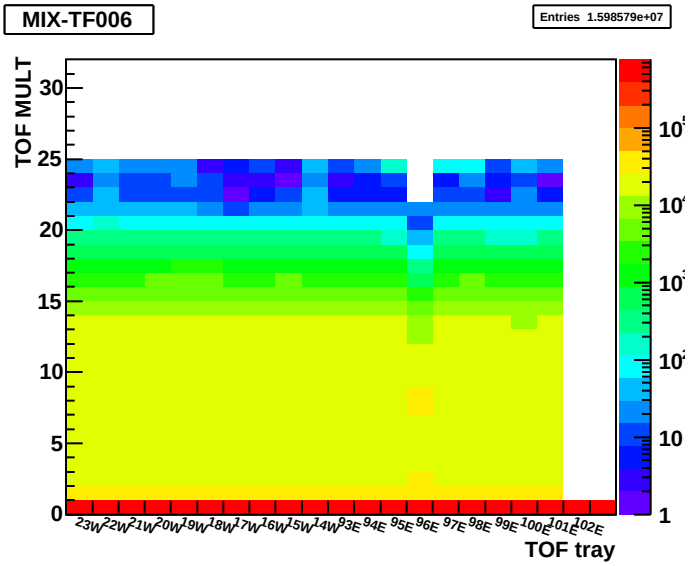

MIX-TF001
Entries 1.598579e+07
TOF MULT
TOF tray

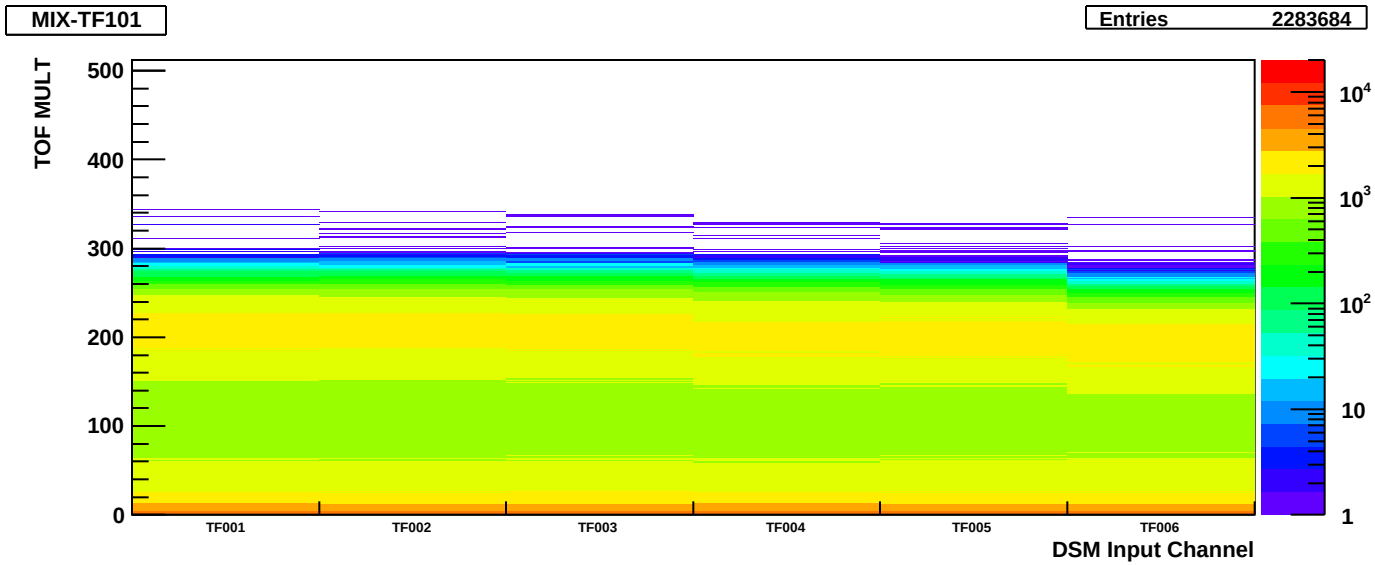

MIX-TF002
Entries 1.598579e+07
TOF MULT
TOF tray

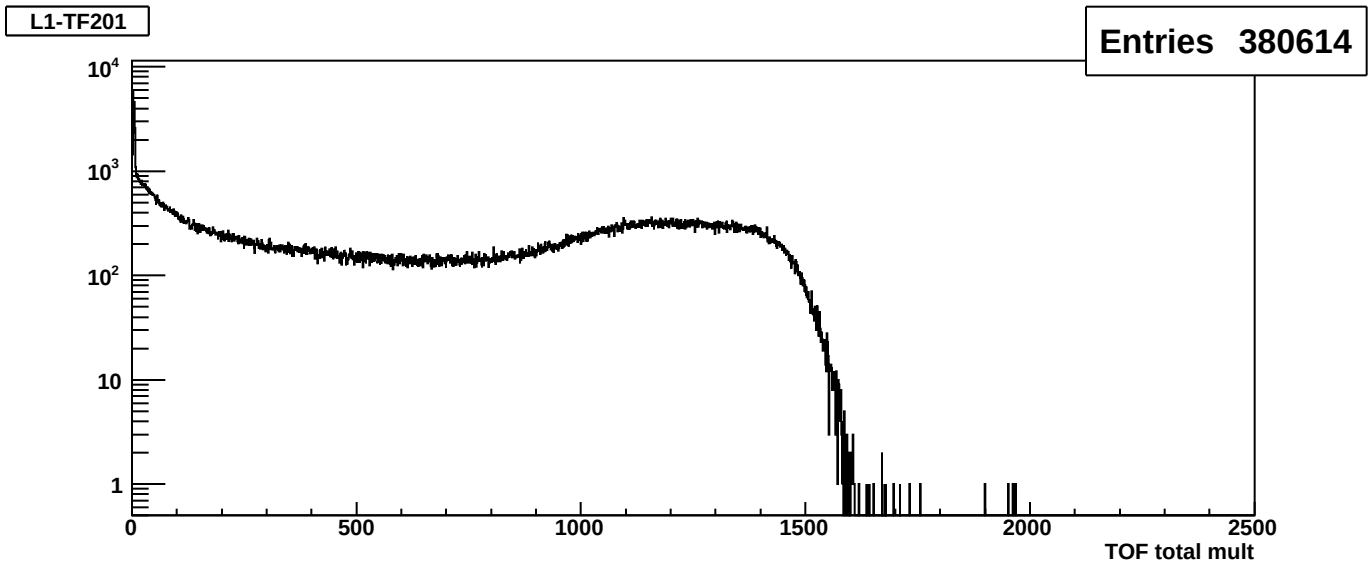

MIX-TF003
Entries 1.598579e+07
TOF MULT
TOF tray

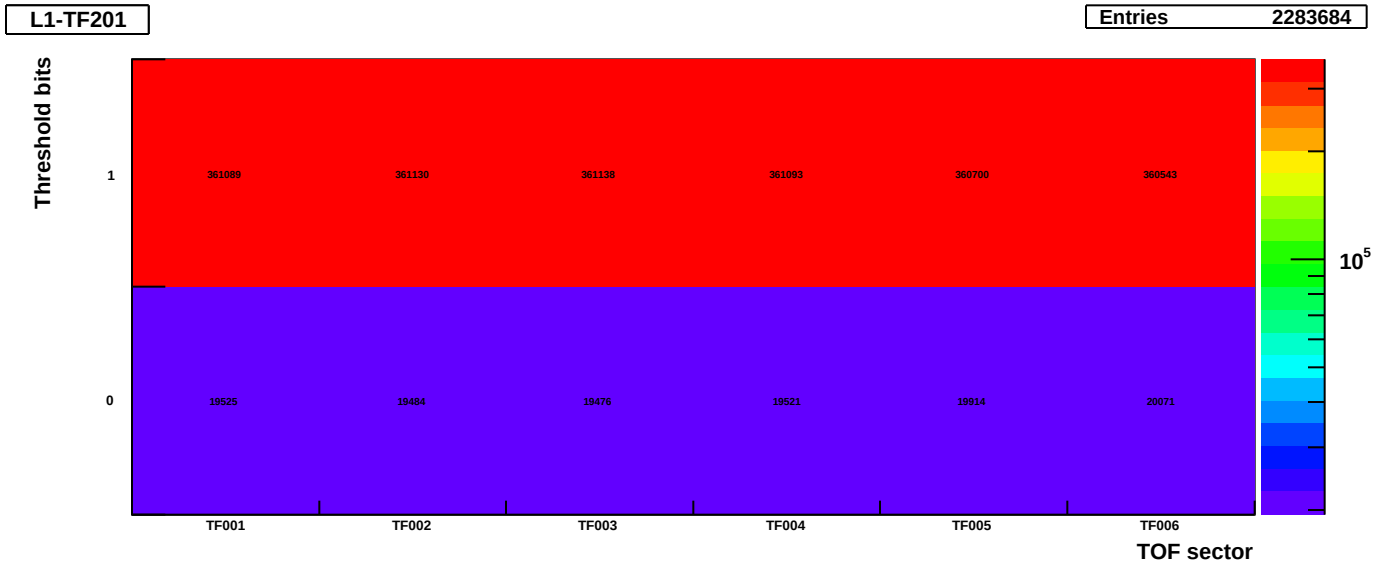

MIX-TF004
Entries 1.598579e+07
TOF MULT
TOF tray

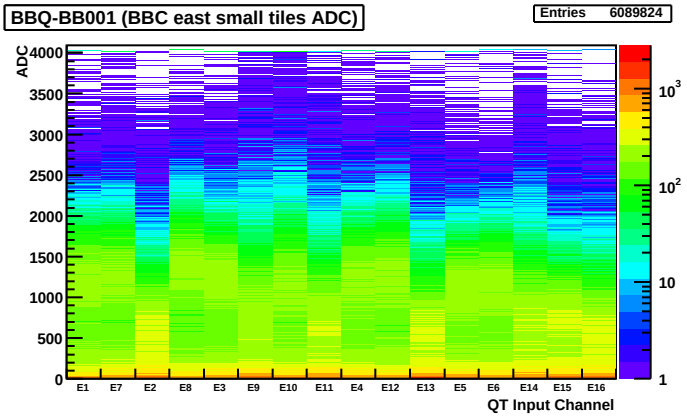

MIX-TF005
Entries 1.598579e+07
TOF MULT
TOF tray

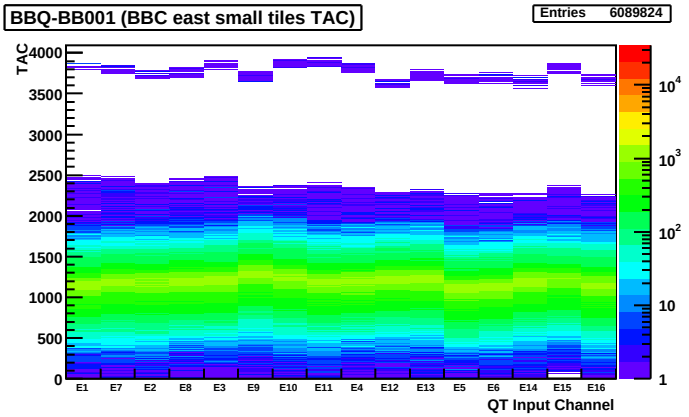

MIX-TF006
Entries 1.598579e+07
TOF MULT
TOF tray

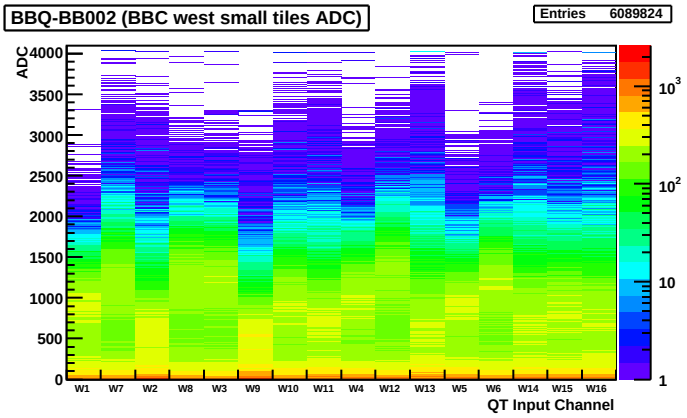

MIX-TF101
Entries 2283684
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
$10^4$
$10^3$
$10^2$
10
1

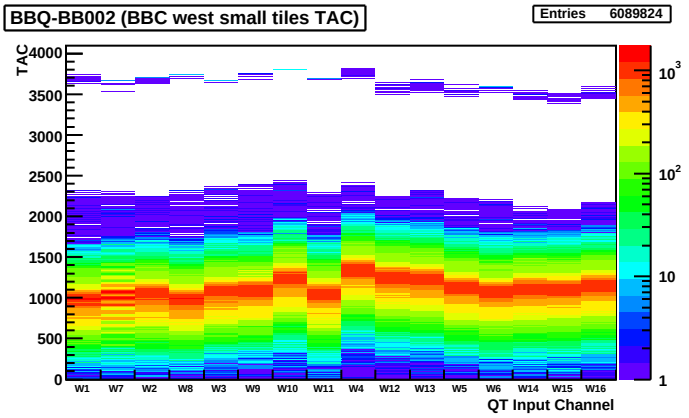

L1-TF201
Entries 380614
$10^4$
$10^3$
$10^2$
10
1
0
500
1000
1500
2000
2500
TOF total mult

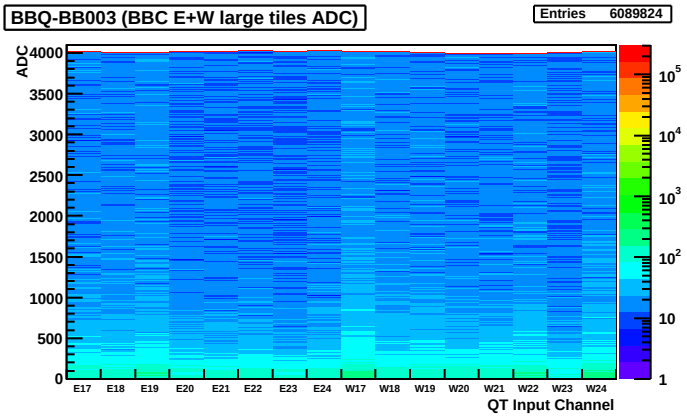

L1-TF201
Entries 2283684
Threshold bits
1
0
361089
361130
361138
361093
360700
360543
19525
19484
19476
19521
19914
20071
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
$10^5$

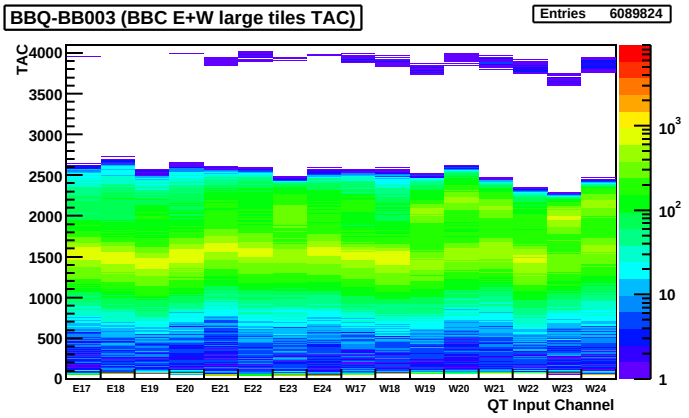

BBQ-BB001 (BBC east small tiles ADC)
Entries 6089824
ADC
QT Input Channel

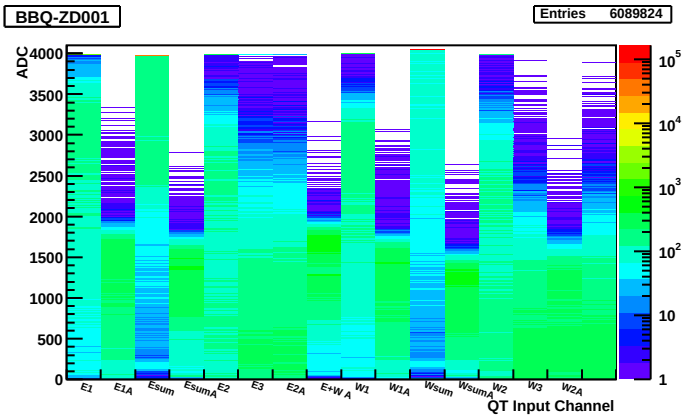

BBQ-BB001 (BBC east small tiles TAC)
Entries 6089824
TAC
QT Input Channel

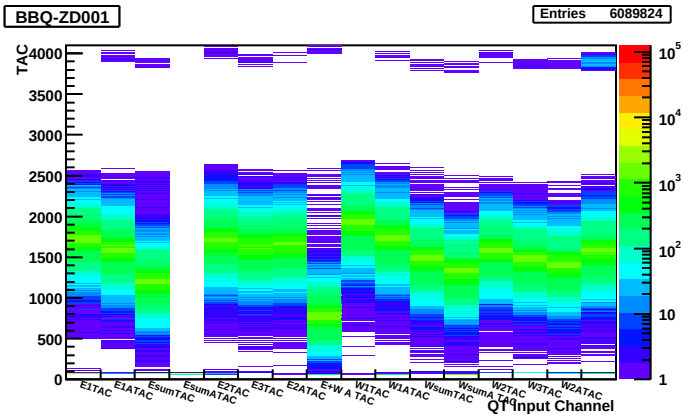

BBQ-BB002 (BBC west small tiles ADC)
Entries 6089824
ADC
QT Input Channel

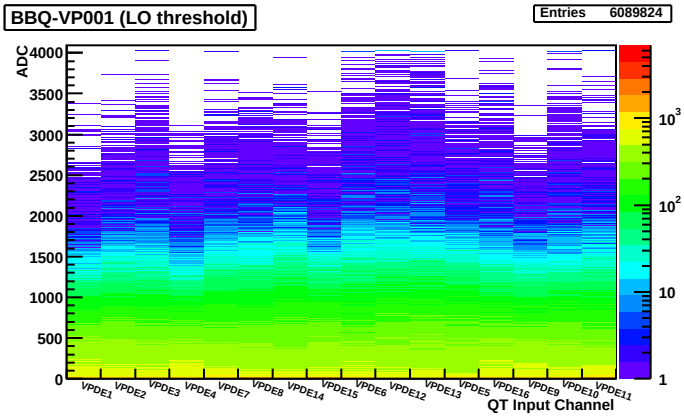

BBQ-BB002 (BBC west small tiles TAC)
Entries 6089824
TAC
QT Input Channel

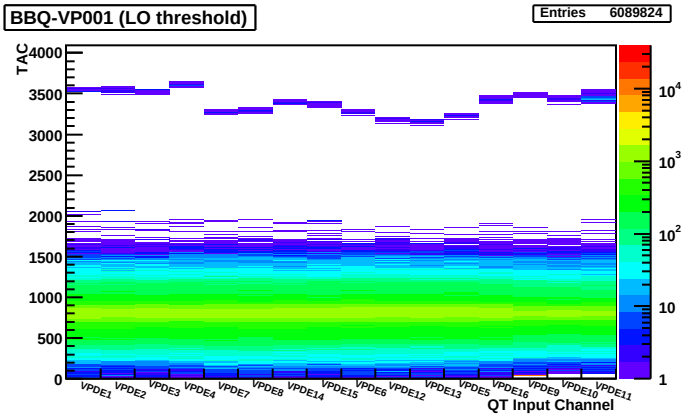

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6089824
ADC
QT Input Channel

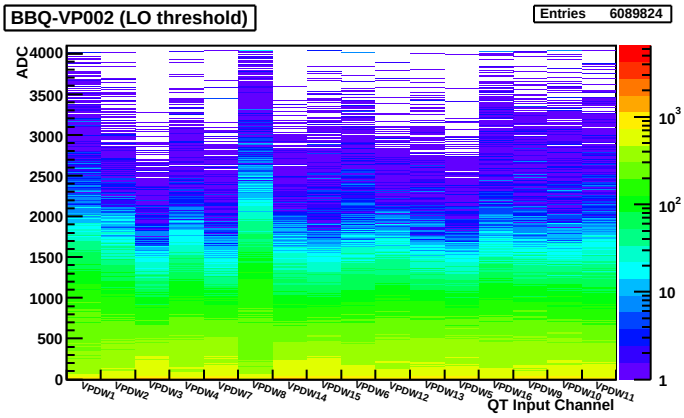

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6089824
TAC
QT Input Channel

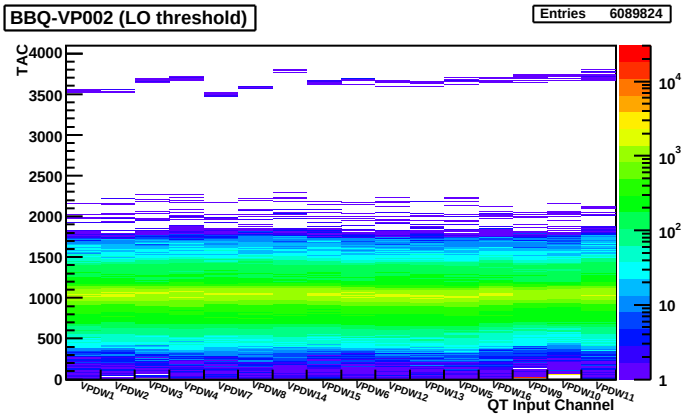

BBQ-ZD001
Entries 6089824
ADC
QT Input Channel

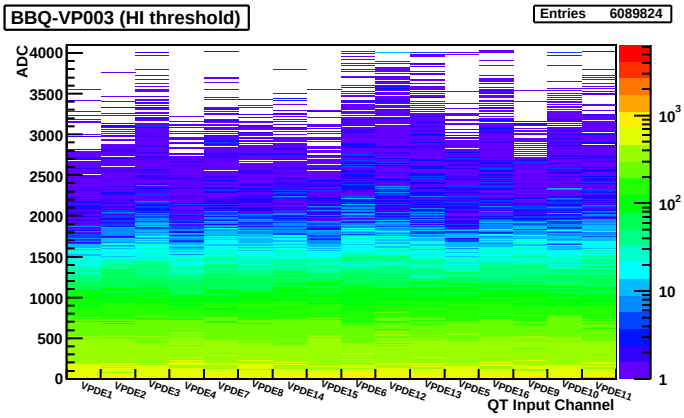

BBQ-ZD001
Entries 6089824
TAC
QT Input Channel

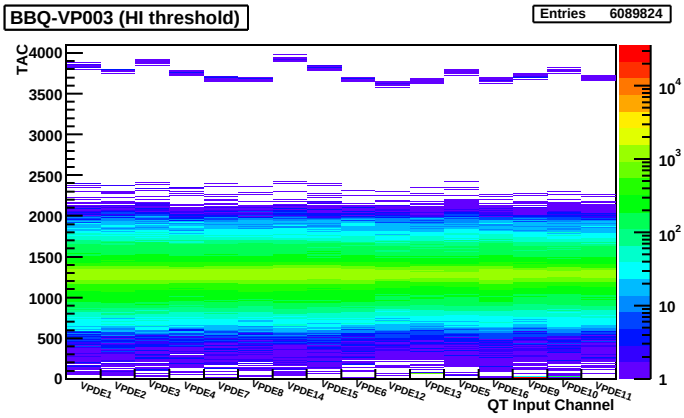

BBQ-VP001 (LO threshold)
Entries 6089824
ADC
QT Input Channel

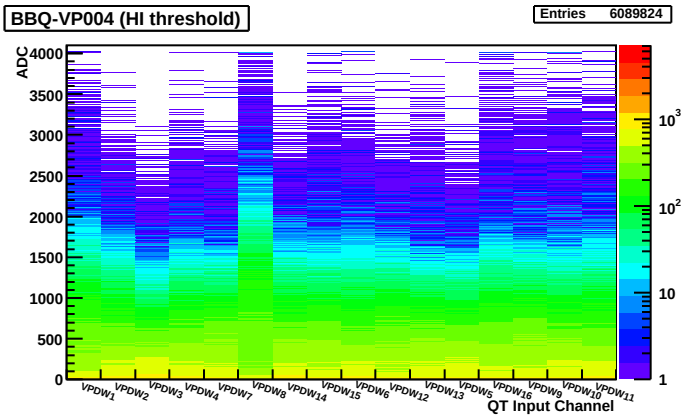

BBQ-VP001 (LO threshold)
Entries 6089824
TAC
QT Input Channel

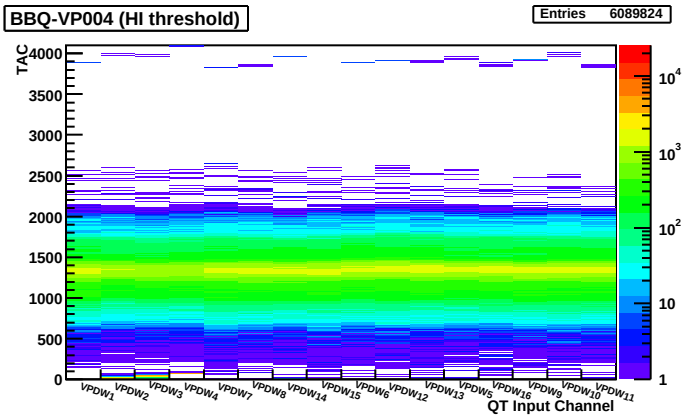

BBQ-VP002 (LO threshold)
Entries 6089824
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 6089824
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6089824
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6089824
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6089824
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6089824
TAC
QT Input Channel