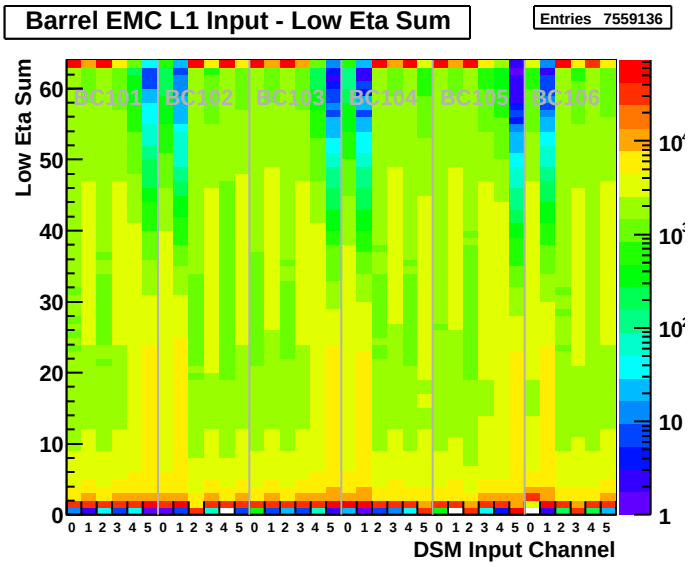
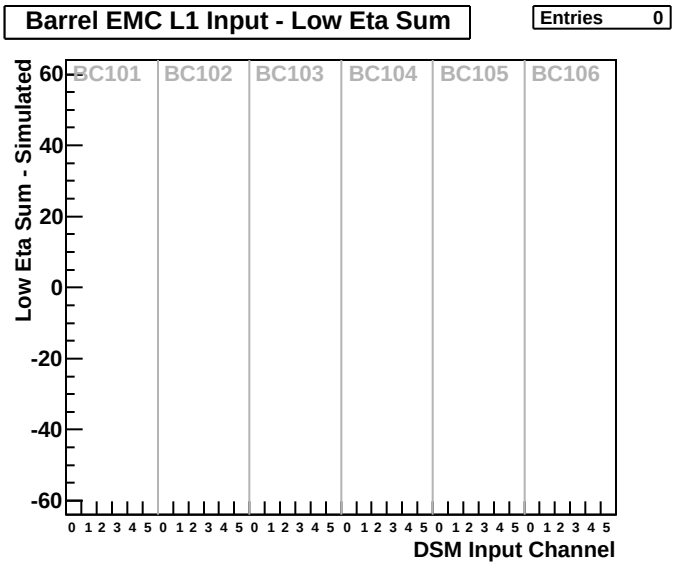
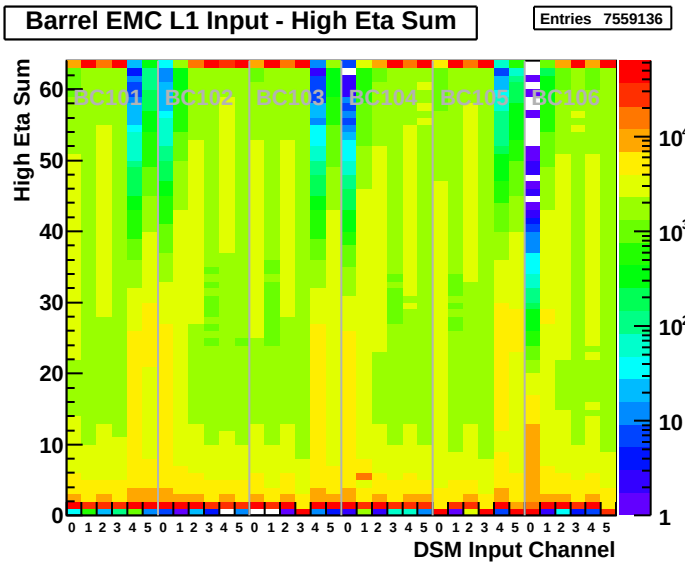
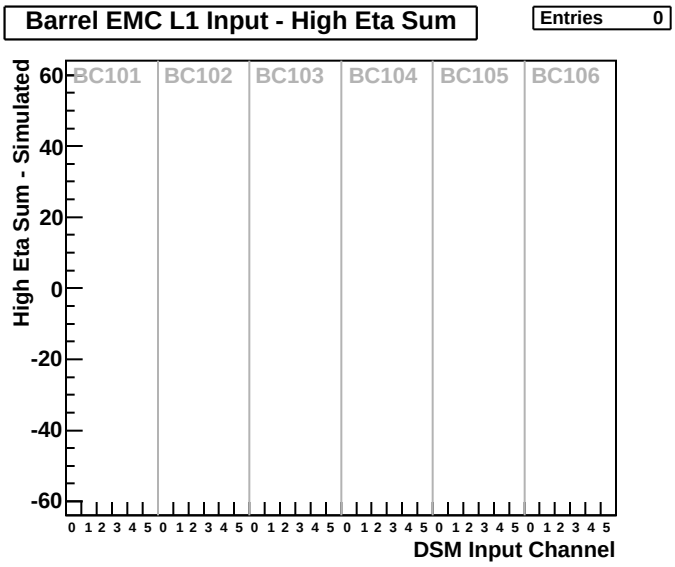
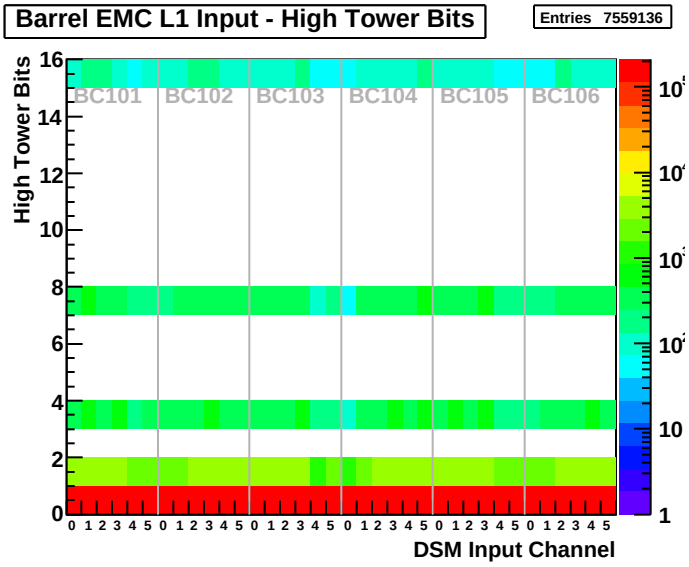
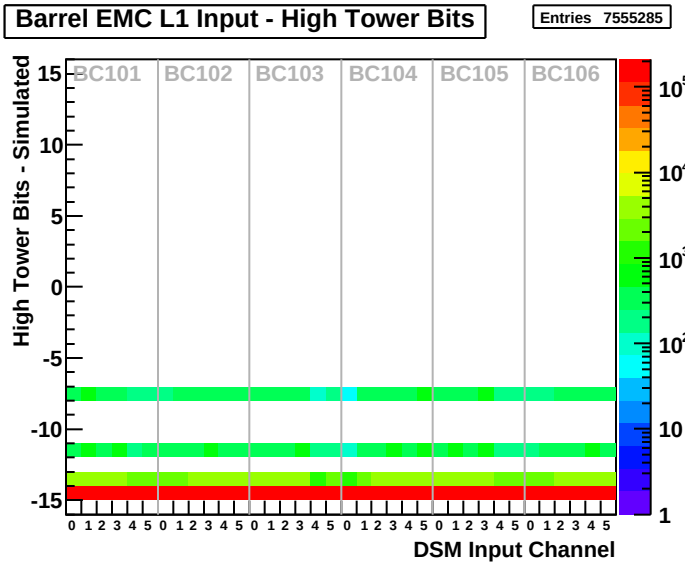

Barrel EMC L1 Input - Low Eta Sum
Entries 7559136
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

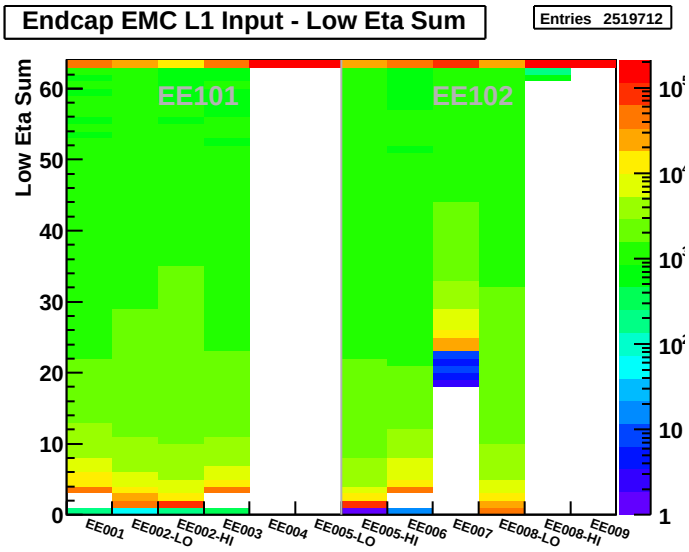

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

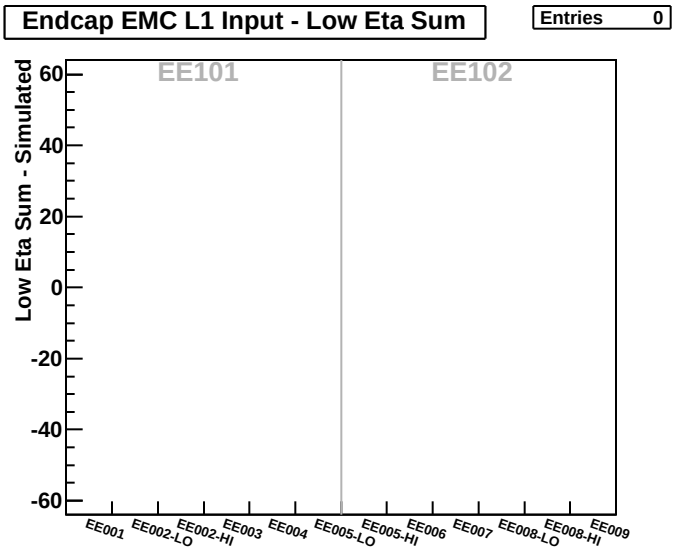

Barrel EMC L1 Input - High Eta Sum
Entries 7559136
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

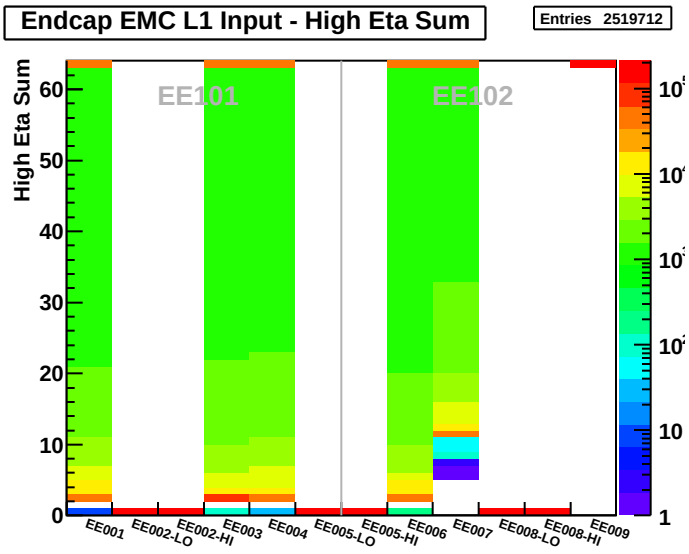

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

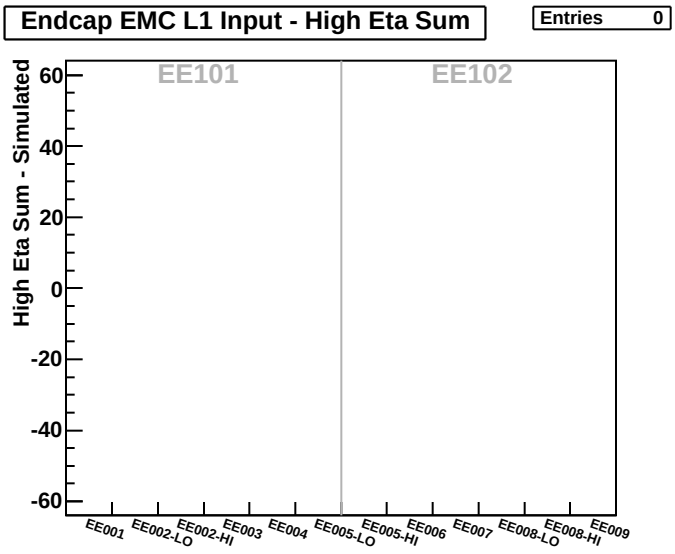

Barrel EMC L1 Input - High Tower Bits
Entries 7559136
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

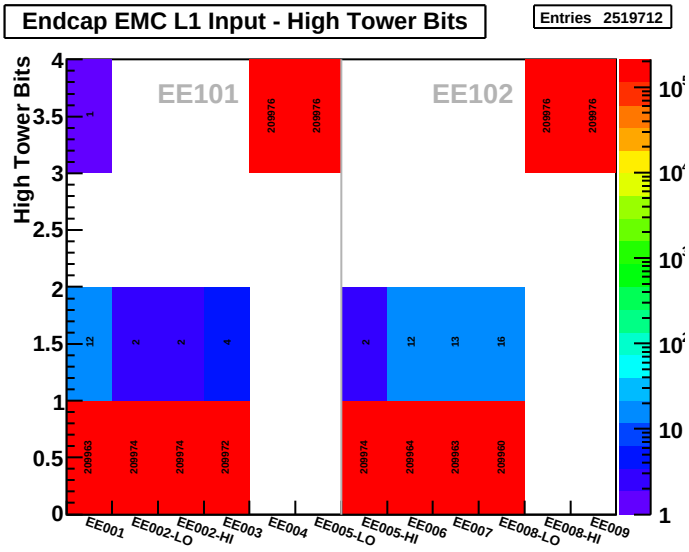

Barrel EMC L1 Input - High Tower Bits
Entries 7555285
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

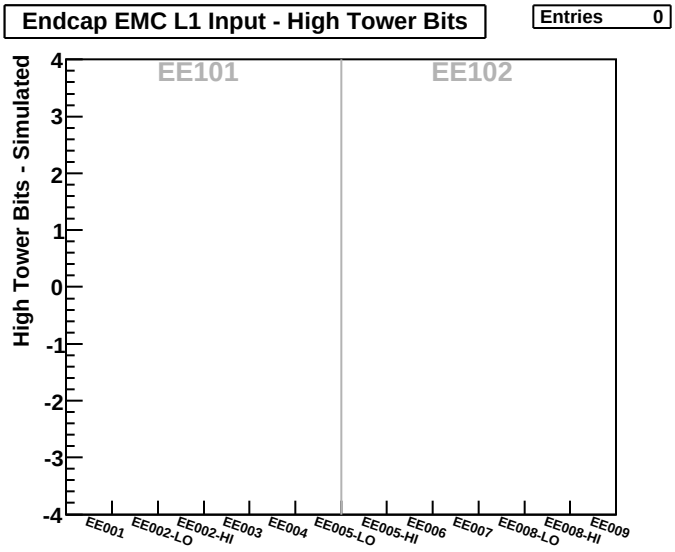

Endcap EMC L1 Input - Low Eta Sum
Entries 2519712
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

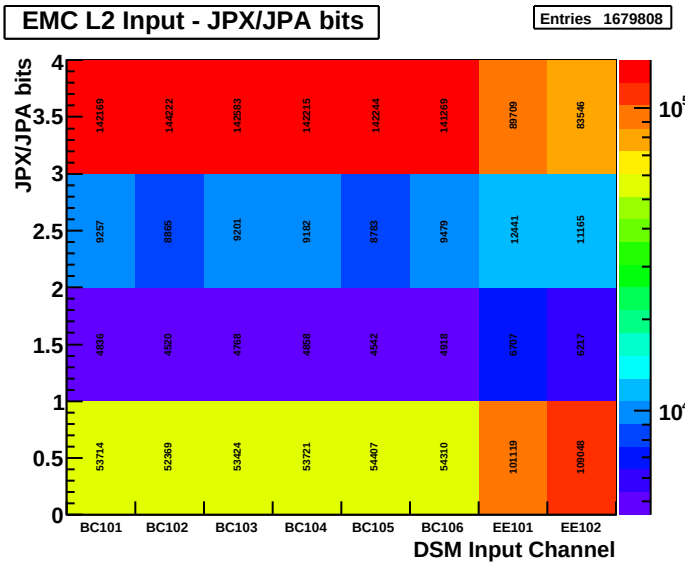

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

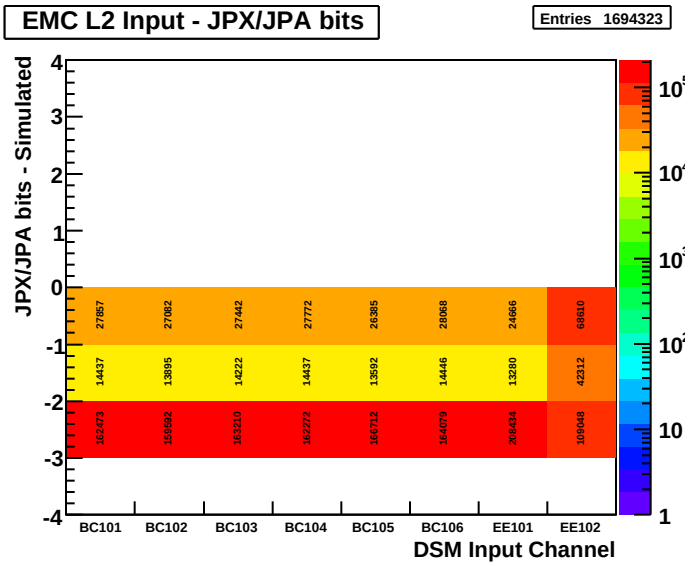

Endcap EMC L1 Input - High Eta Sum
Entries 2519712
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

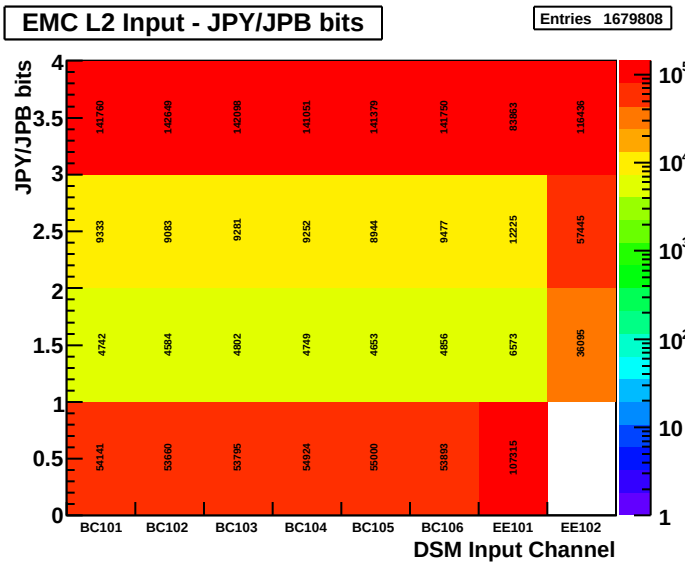

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

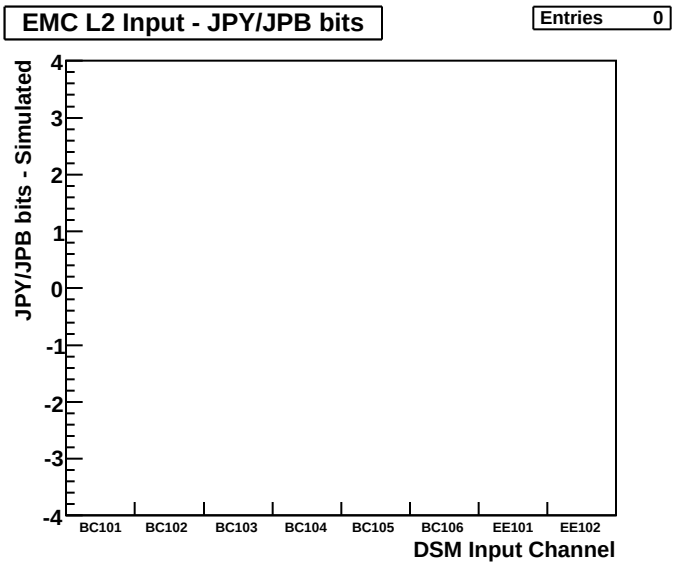

Endcap EMC L1 Input - High Tower Bits
Entries 2519712
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

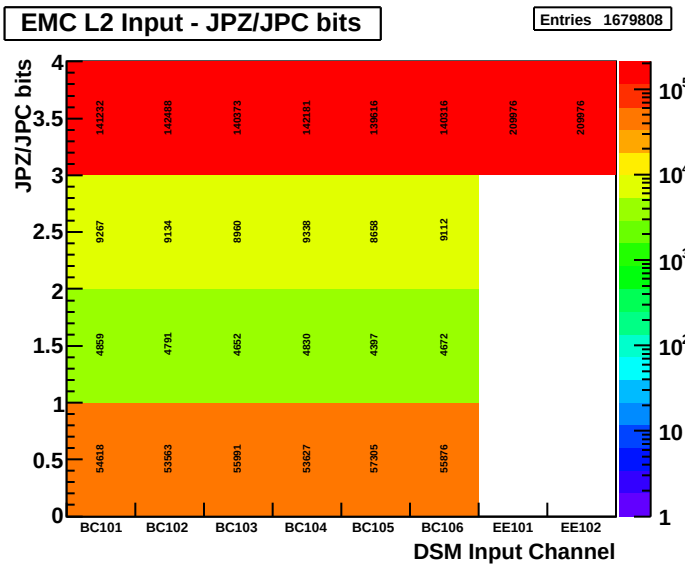

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

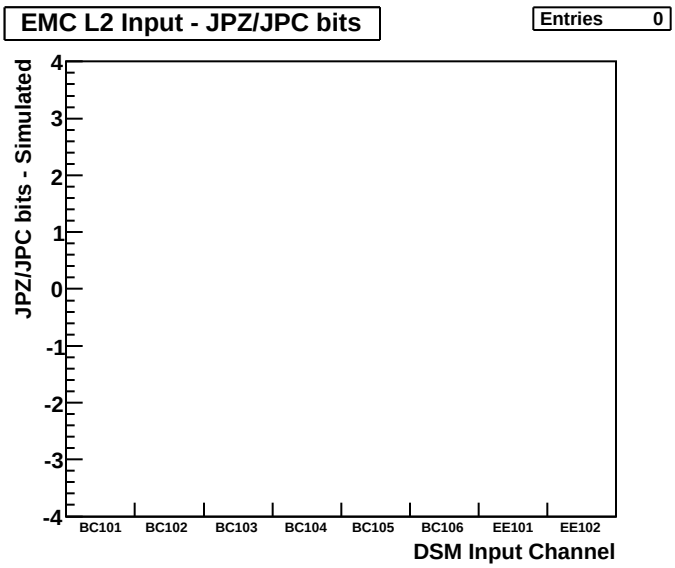

EMC L2 Input - JPX/JPA bits
Entries 1679808
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
142169 144222 142583 142215 142244 141269 89709 83546
9257 8865 9201 9182 8783 9479 12441 11165
4836 4520 4768 4858 4542 4918 6707 6217
53714 52369 53424 53721 54407 54310 101119 109048

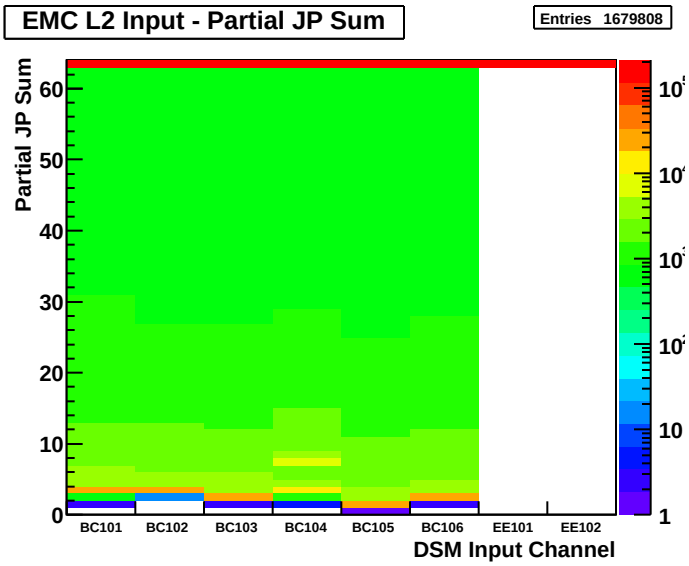

EMC L2 Input - JPX/JPA bits
Entries 1694323
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
27857 27062 27442 27772 26385 28068 24666 69610
14437 13895 14222 14437 13592 14446 13280 42312
162473 159592 163210 162272 166712 164079 208434 109048

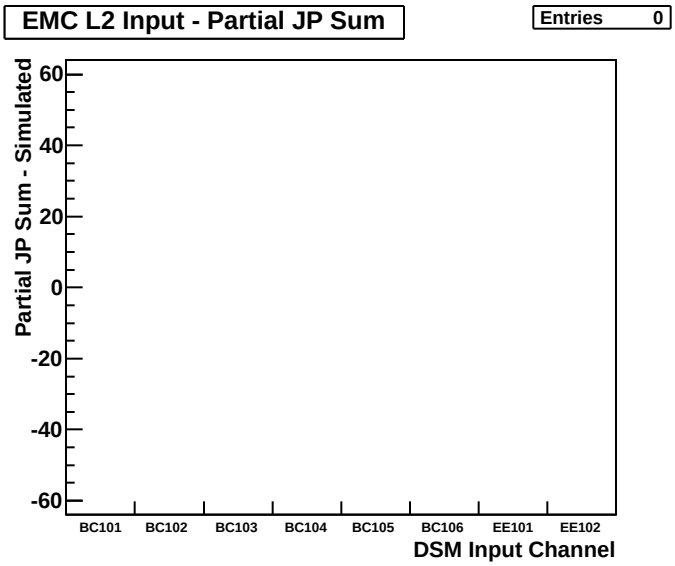

EMC L2 Input - JPY/JPB bits
Entries 1679808
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
141760 142649 142098 141051 141379 141750 83883 116436
9333 9083 9281 9252 8944 9477 12225 57445
4742 4584 4802 4749 4653 4856 6573 36095
54141 53660 53795 54924 55000 53893 107315

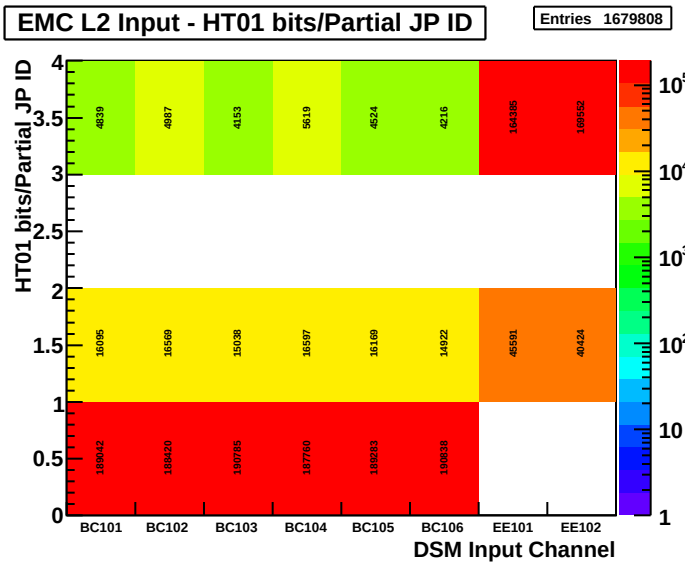

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

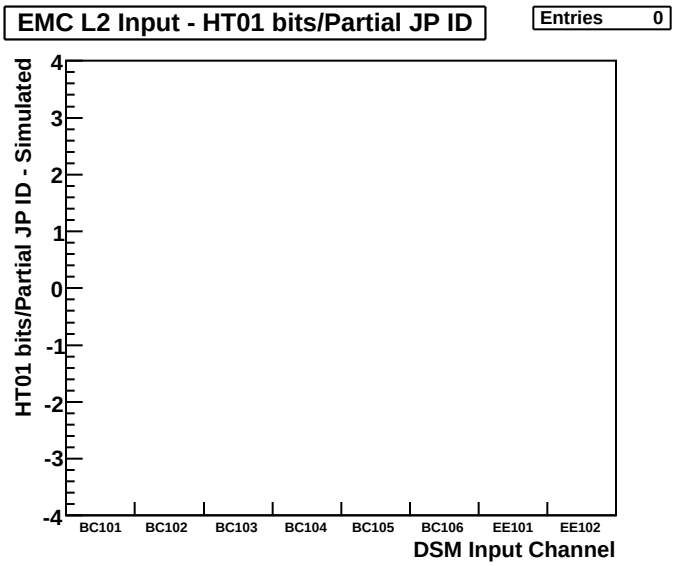

EMC L2 Input - JPZ/JPC bits
Entries 1679808
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
141232 142488 140373 142181 139616 140316 209976 209976
9267 9134 8960 9338 8658 9112
4859 4791 4652 4830 4397 4672
54618 53563 55991 53627 57305 55976

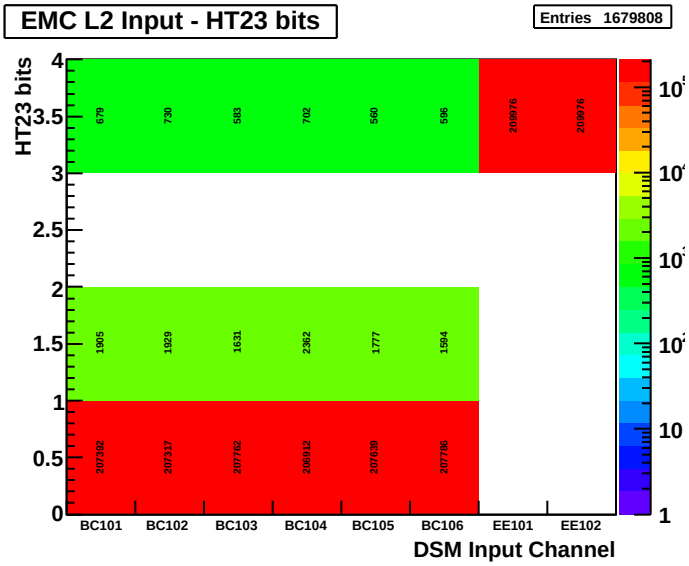

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

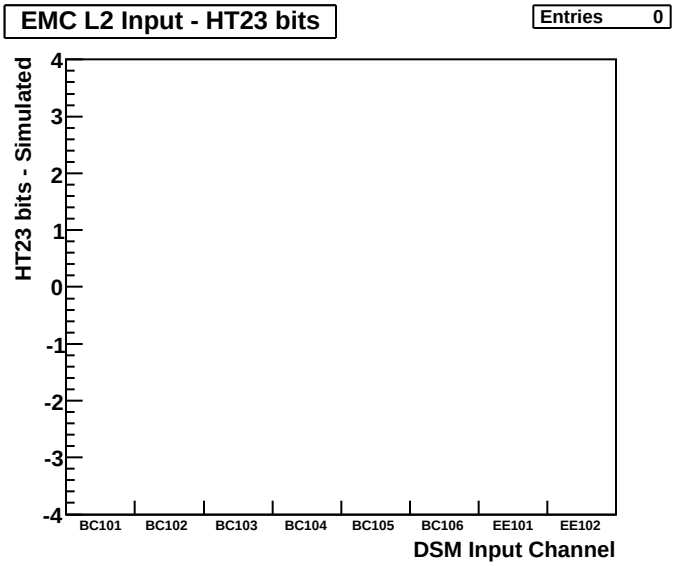

EMC L2 Input - Partial JP Sum
Entries 1679808
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

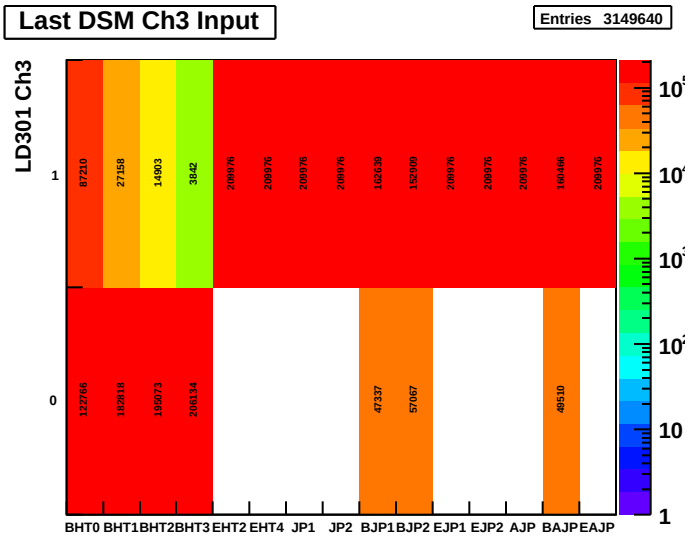

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

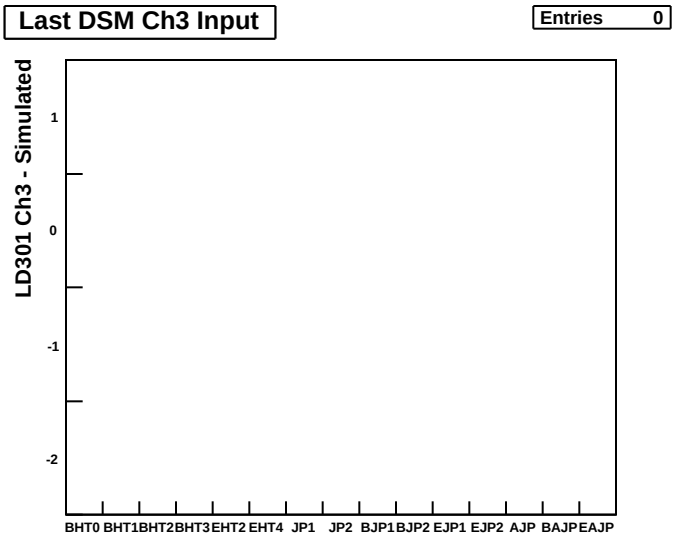

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1679808
HT01 bits/Partial JP ID
4839 4987 4153 5619 4524 4216 164395 169552
16095 16569 15038 16597 16169 14922 45591 40424
188042 188420 190785 187760 189283 190838
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

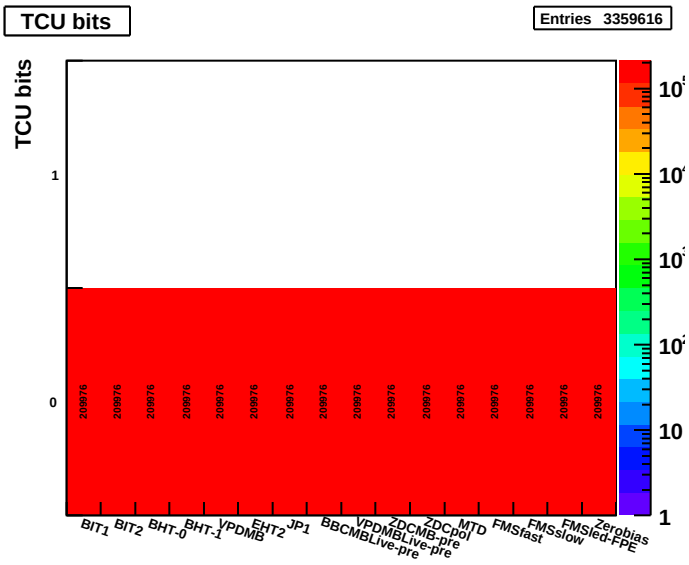

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

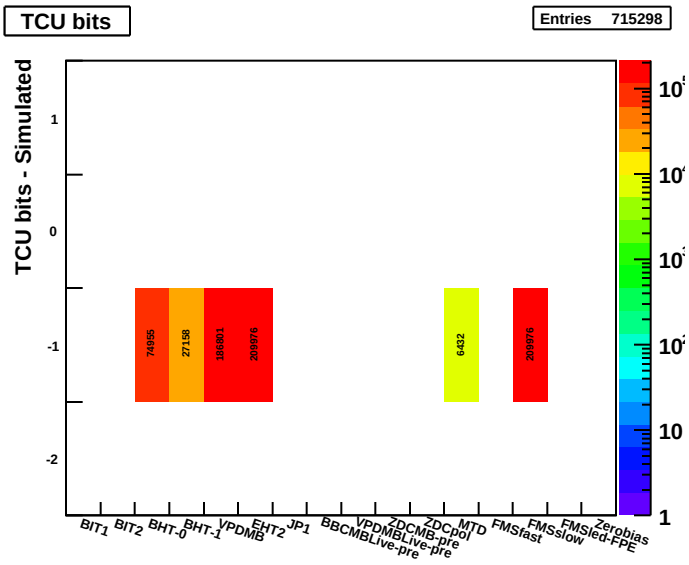

EMC L2 Input - HT23 bits
Entries 1679808
HT23 bits
679 730 583 702 560 596 209976 209976
1905 1929 1631 2362 1777 1594
207392 207317 207762 206912 207639 207786
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

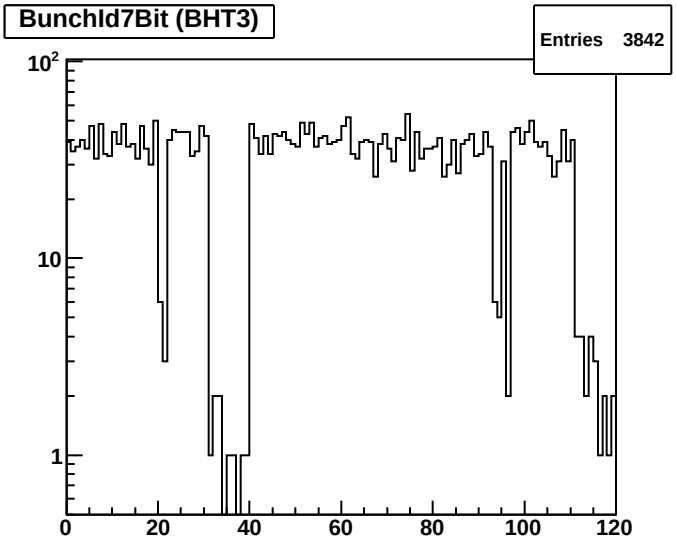

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

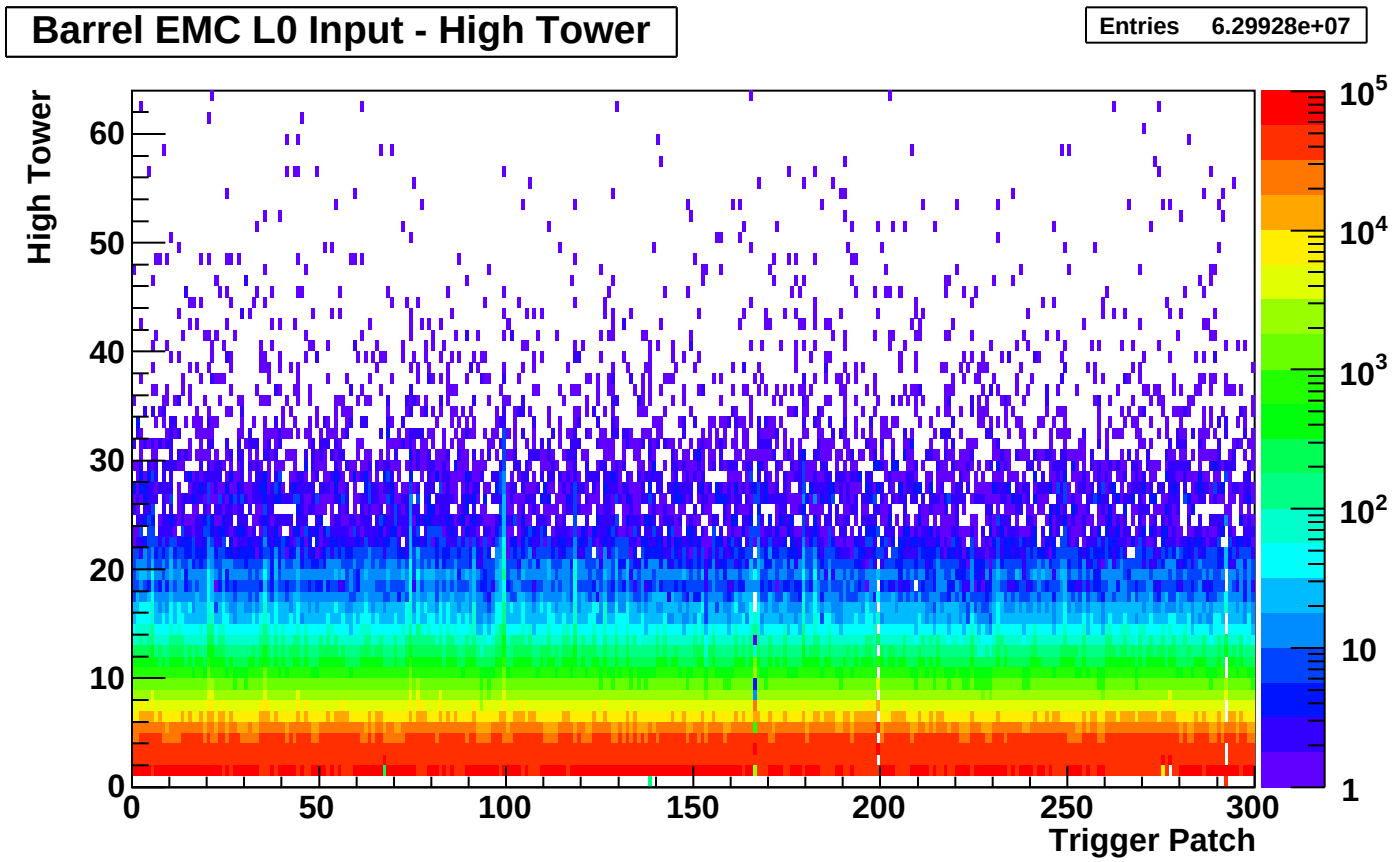

Last DSM Ch3 Input
Entries 3149640
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

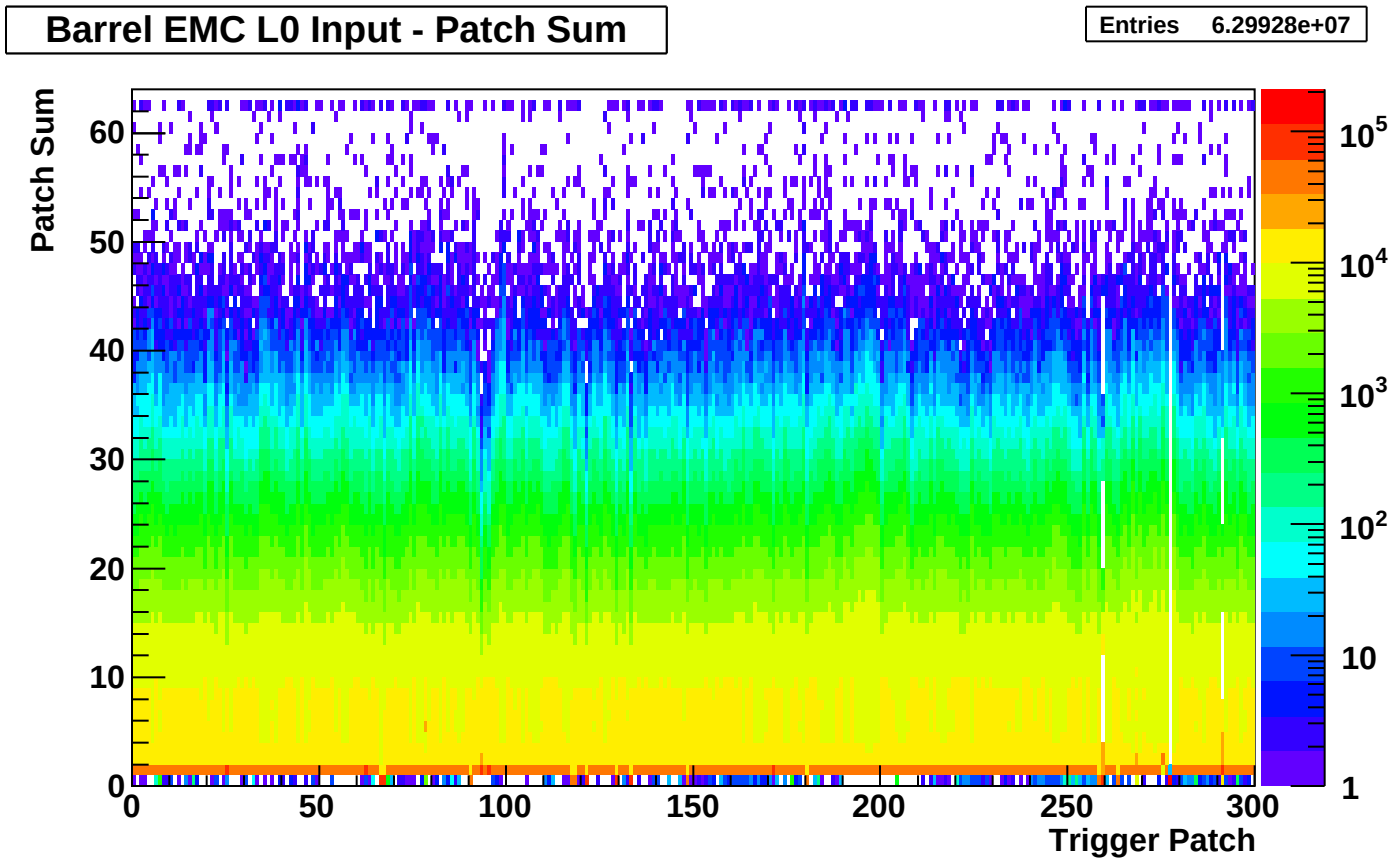

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

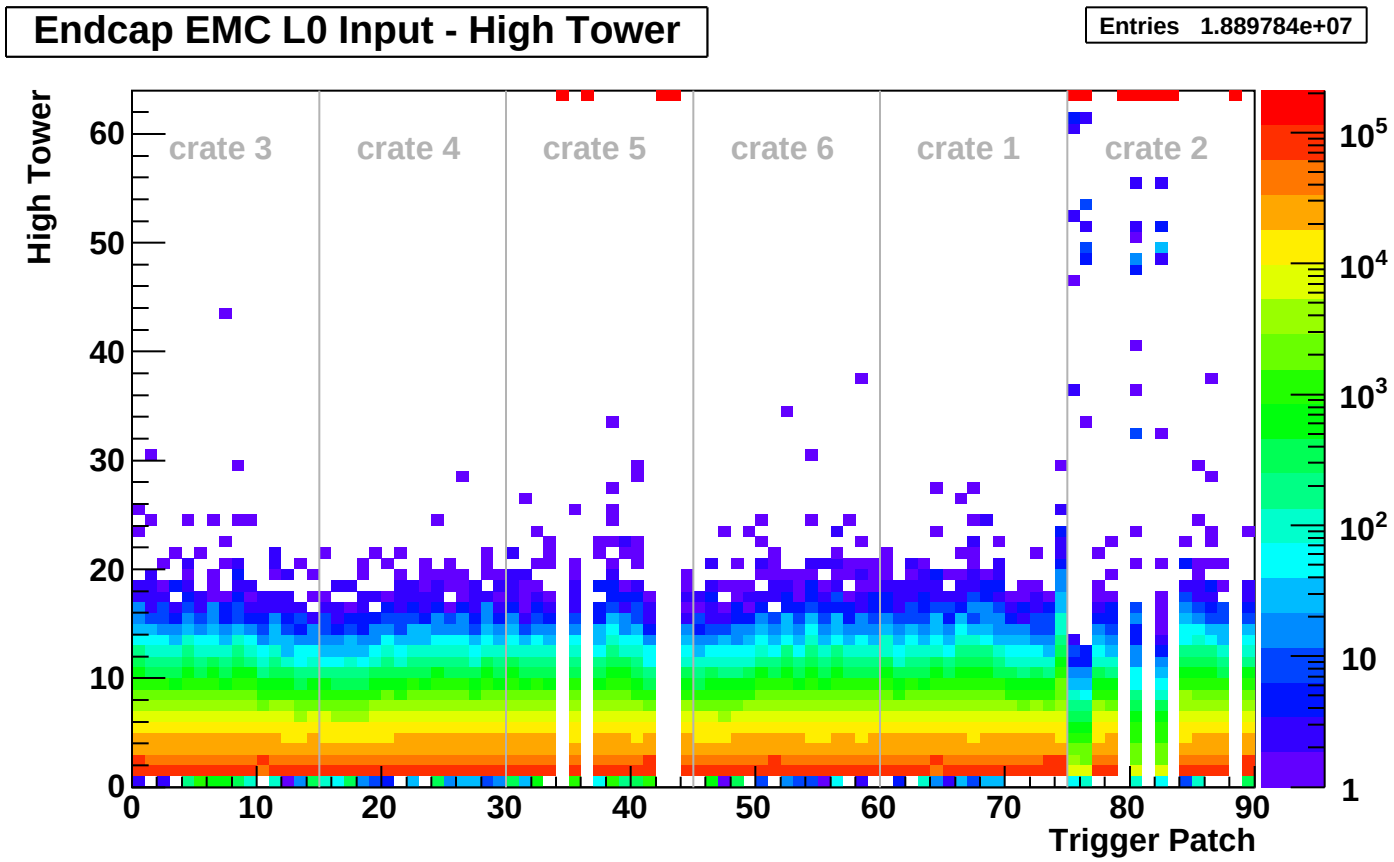

TCU bits
Entries 3359616
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

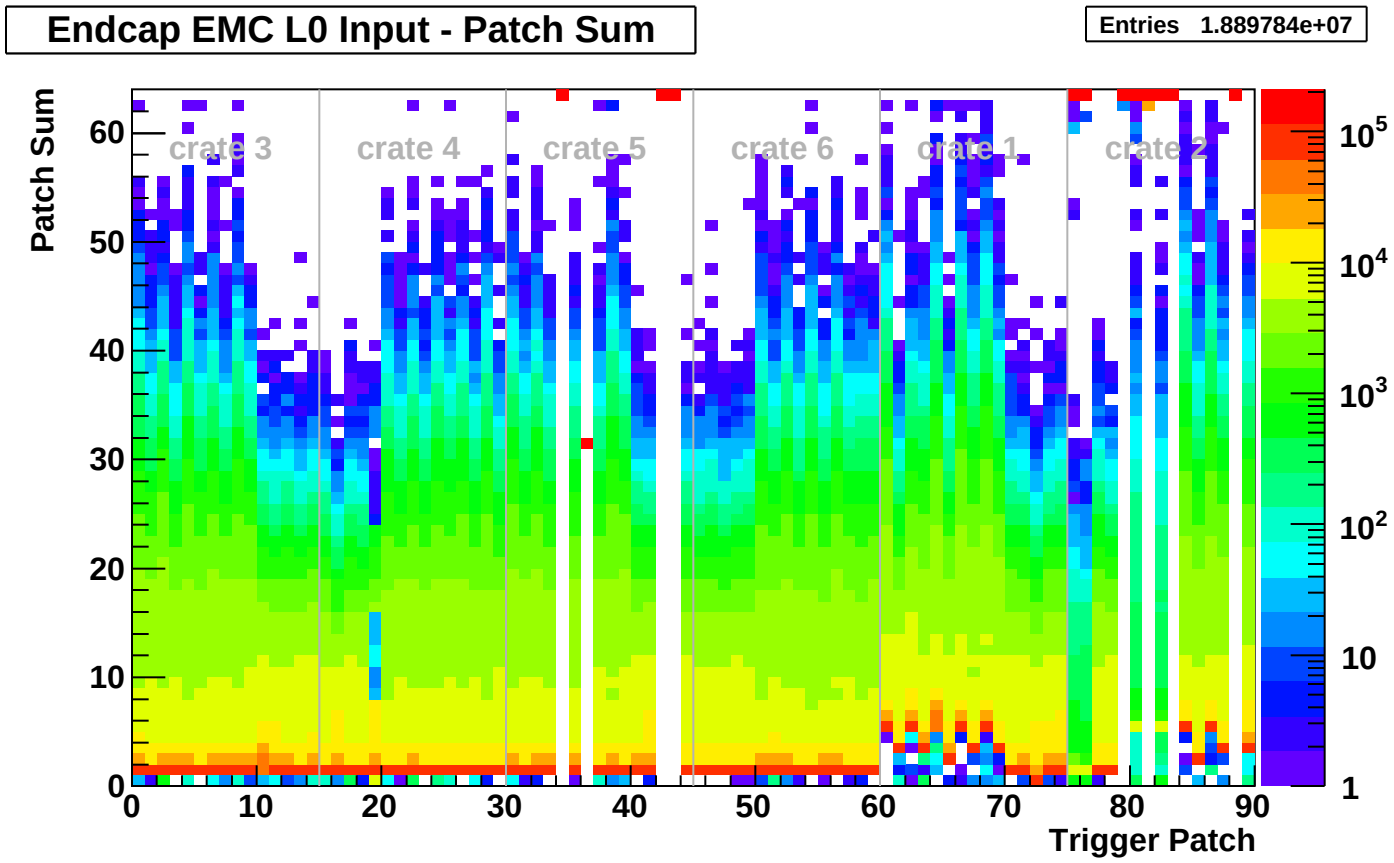

TCU bits
Entries 715298
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

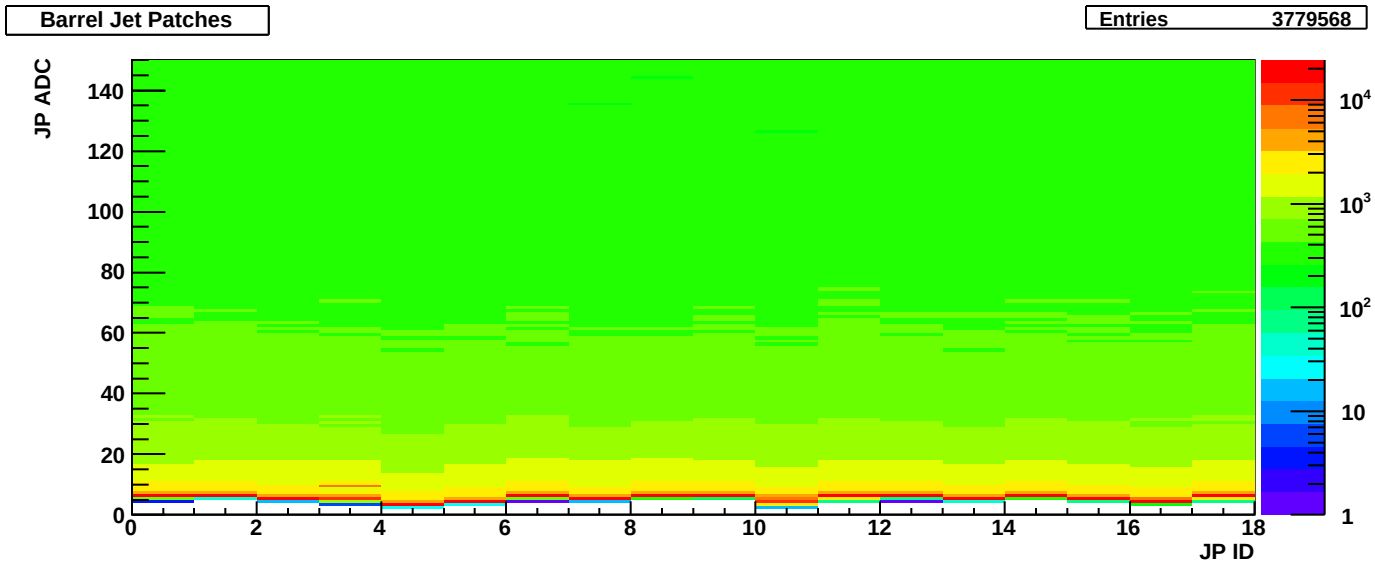

BunchId7Bit (BHT3)
Entries 3842

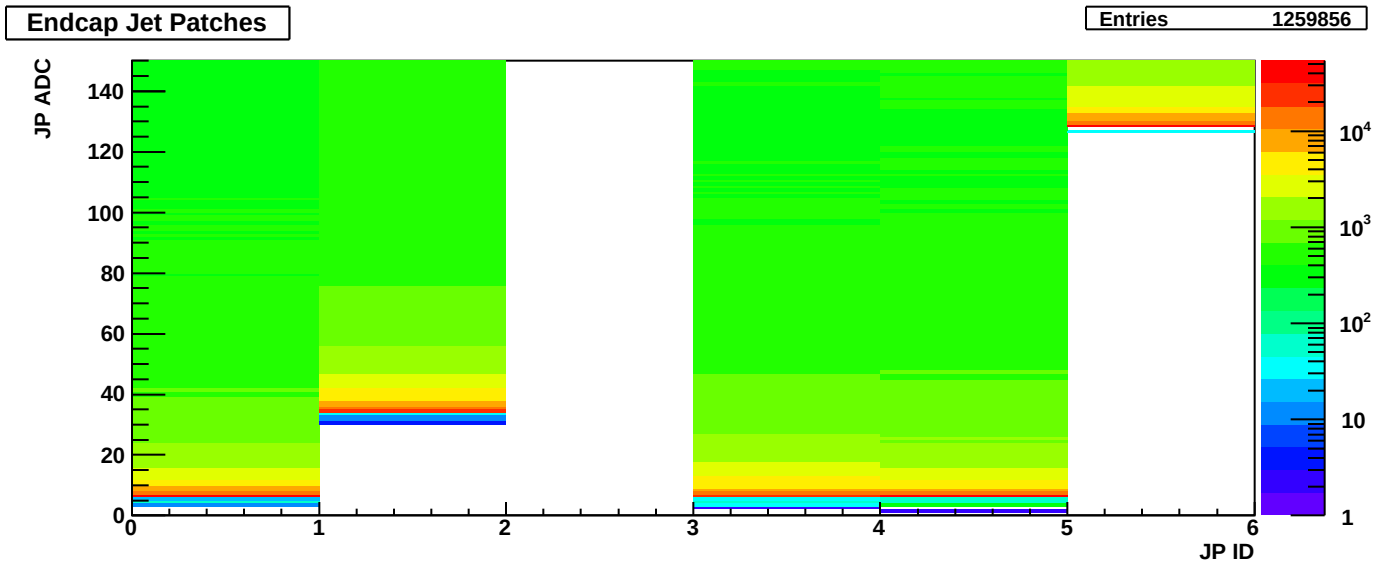

Barrel EMC L0 Input - High Tower
Entries 6.29928e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

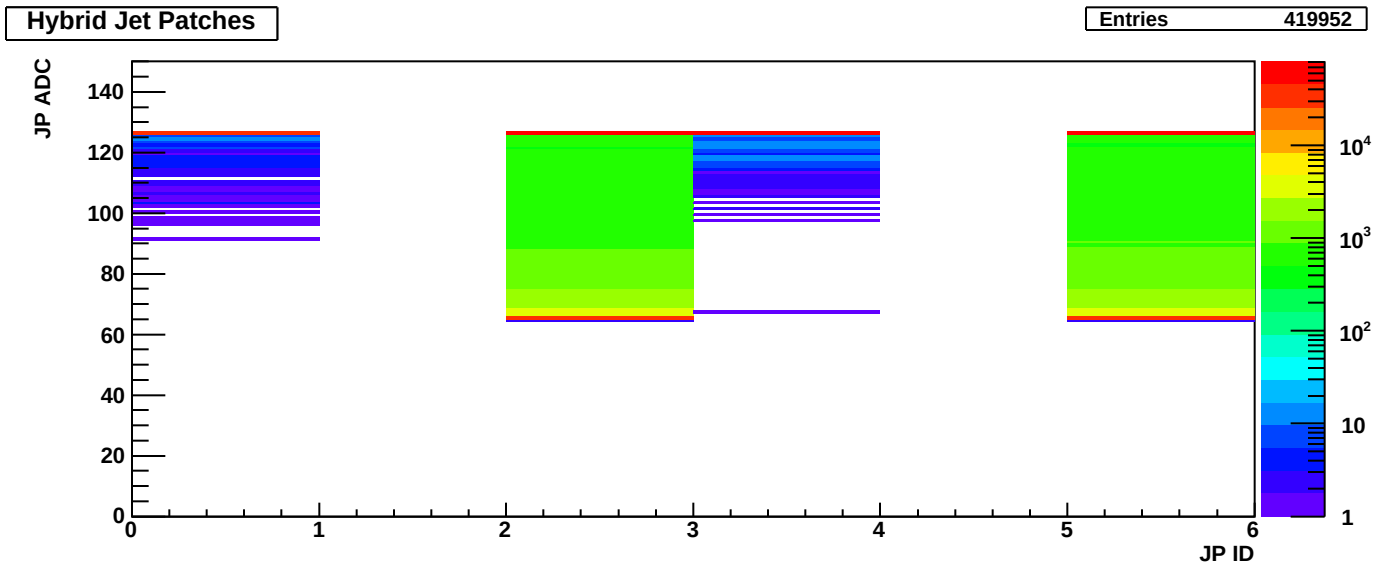

Barrel EMC L0 Input - Patch Sum
Entries 6.29928e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

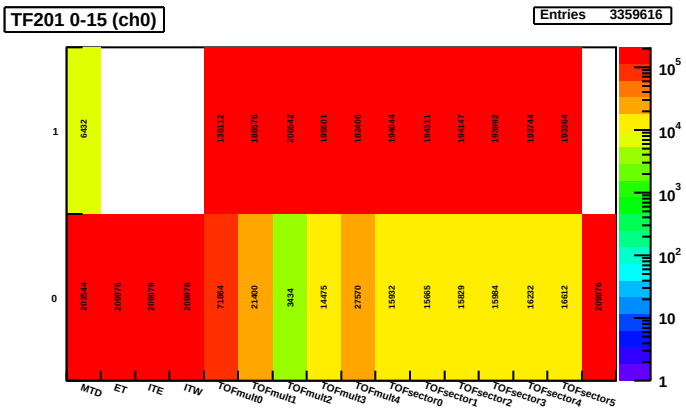

Endcap EMC L0 Input - High Tower
Entries 1.889784e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

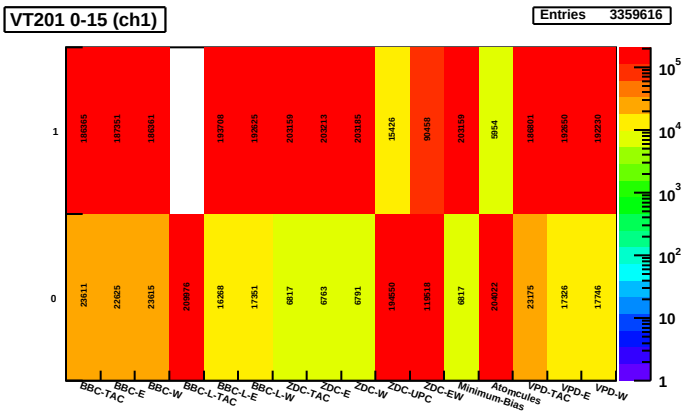

Endcap EMC L0 Input - Patch Sum
Entries 1.889784e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

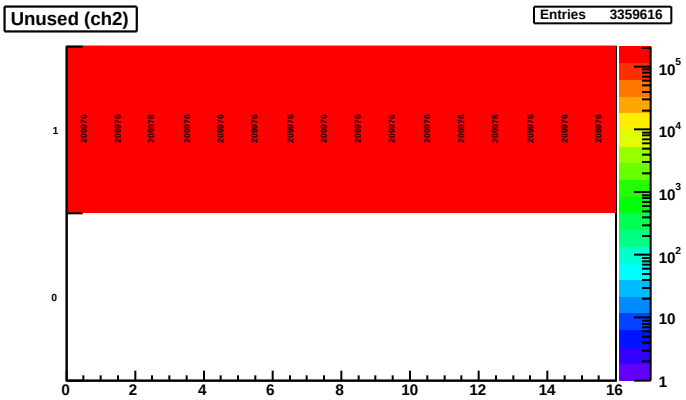

Barrel Jet Patches
Entries 3779568
JP ADC
JP ID

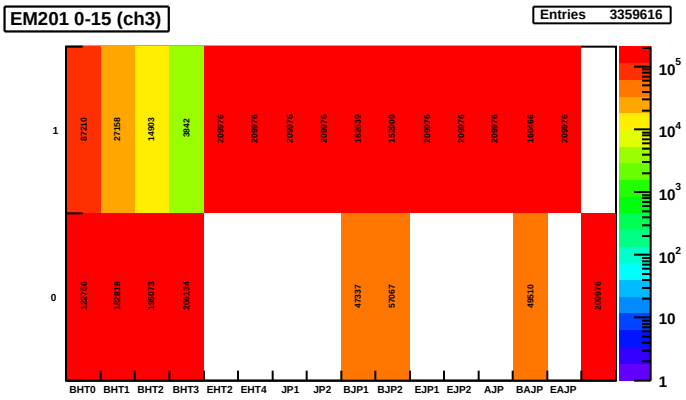

Endcap Jet Patches
Entries 1259856
JP ADC
JP ID

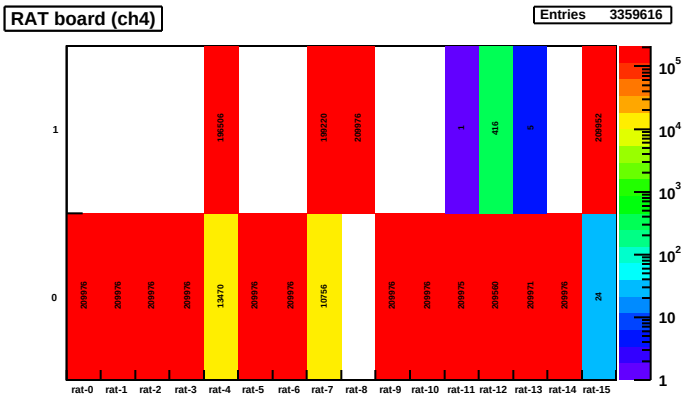

Hybrid Jet Patches
Entries 419952
JP ADC
JP ID

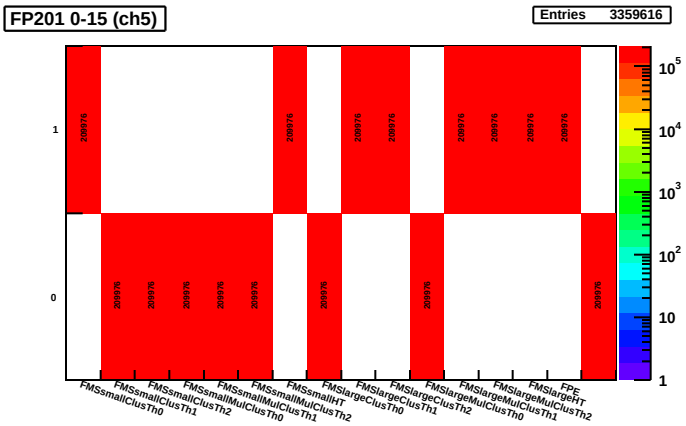

TF201 0-15 (ch0)
Entries 3359616
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

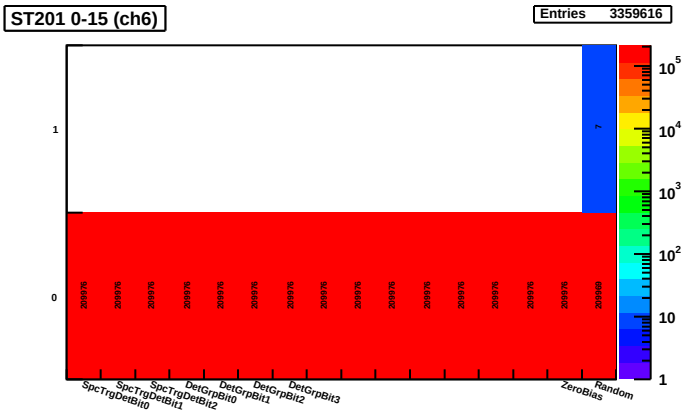

VT201 0-15 (ch1)
Entries 3359616
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

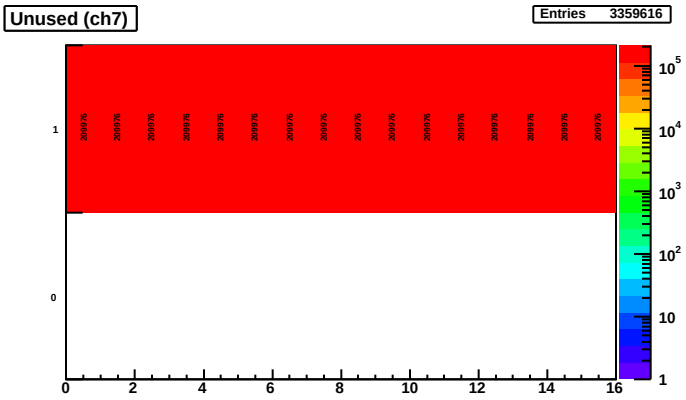

Unused (ch2)
Entries 3359616

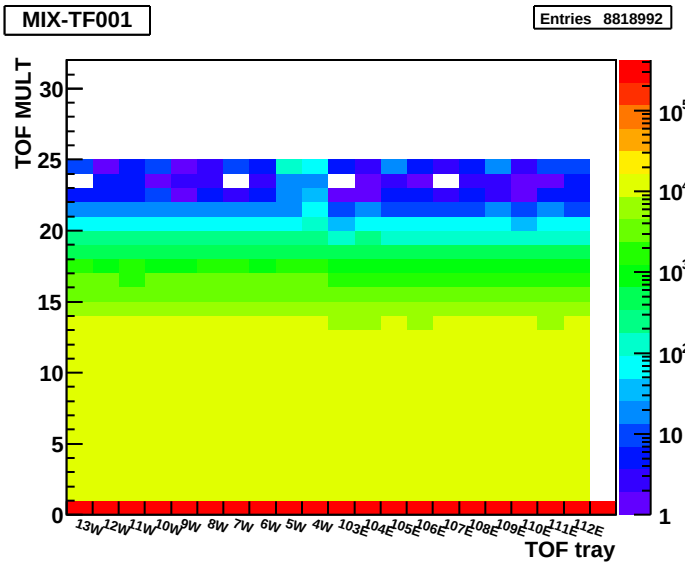

EM201 0-15 (ch3)
Entries 3359616
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

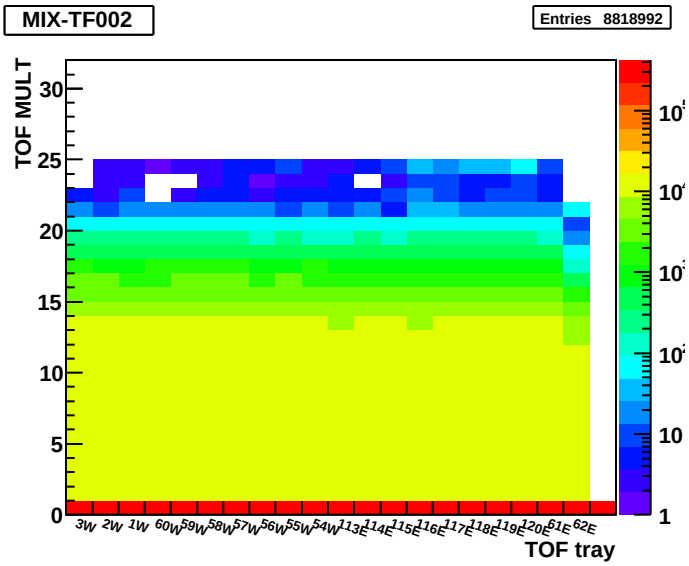

RAT board (ch4)
Entries 3359616
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

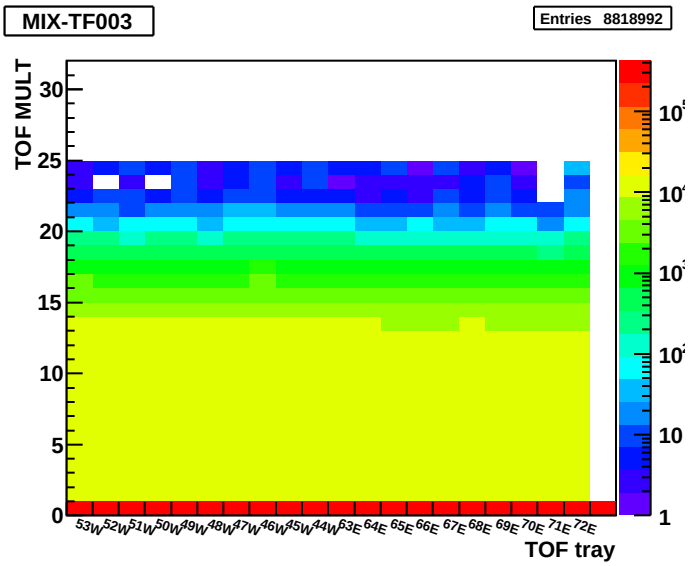

FP201 0-15 (ch5)
Entries 3359616
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

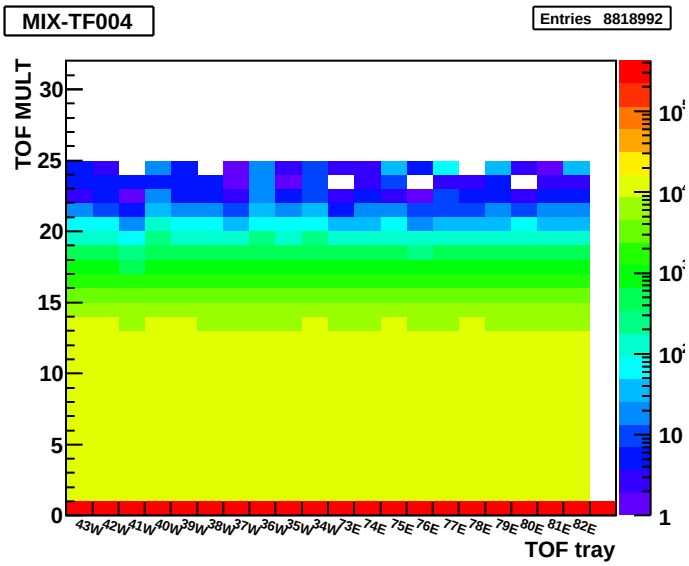

ST201 0-15 (ch6)
Entries 3359616
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

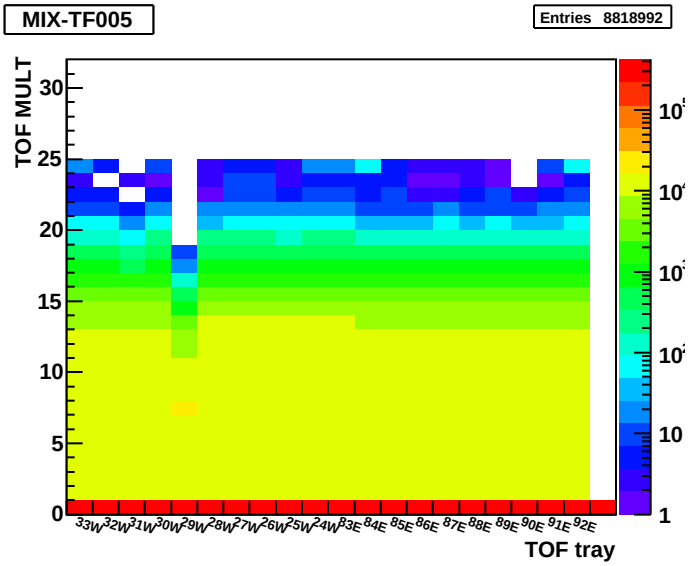

Unused (ch7)
Entries 3359616

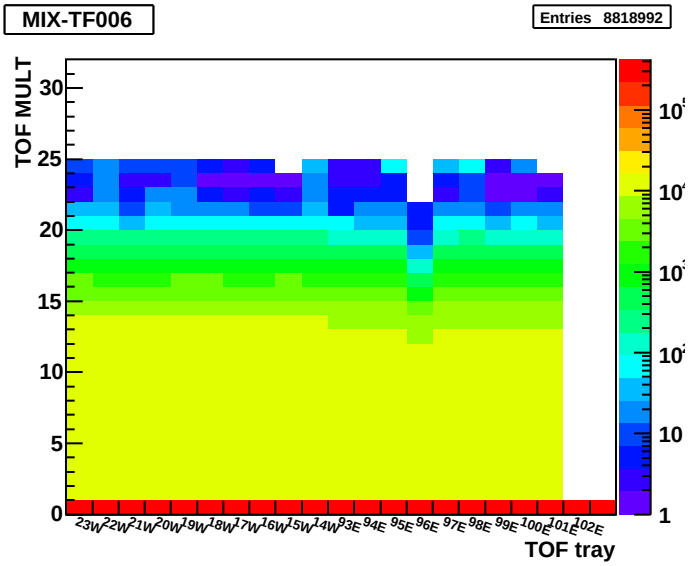

MIX-TF001
Entries 8818992
TOF MULT
TOF tray

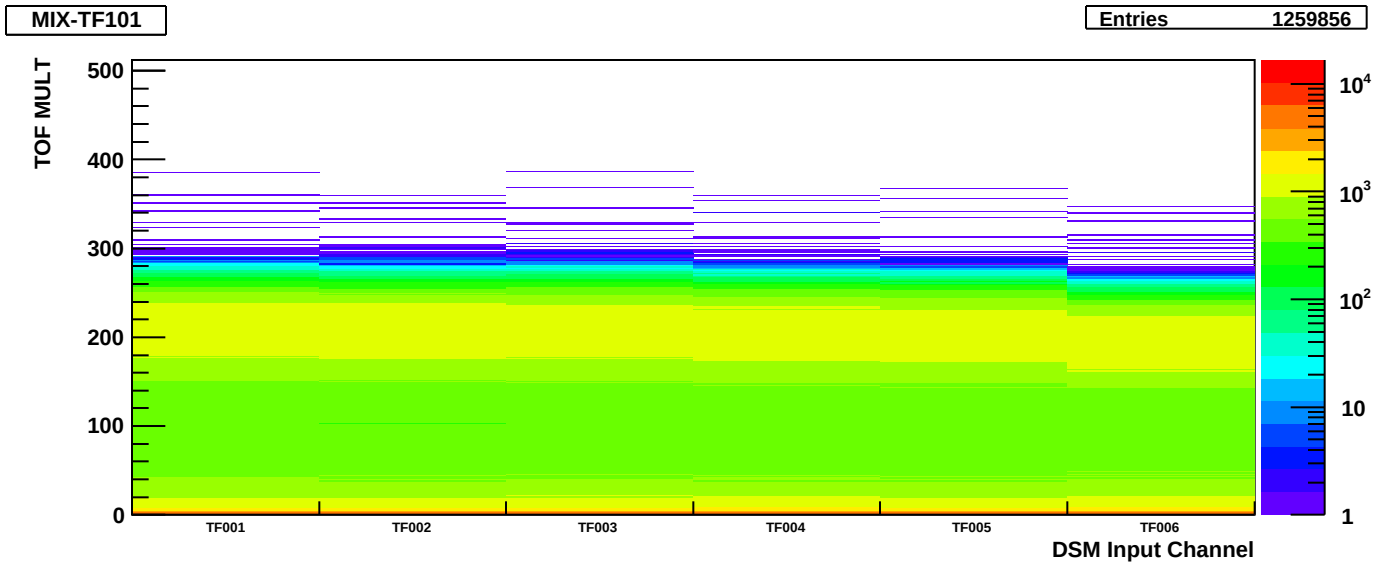

MIX-TF002
Entries 8818992
TOF MULT
TOF tray

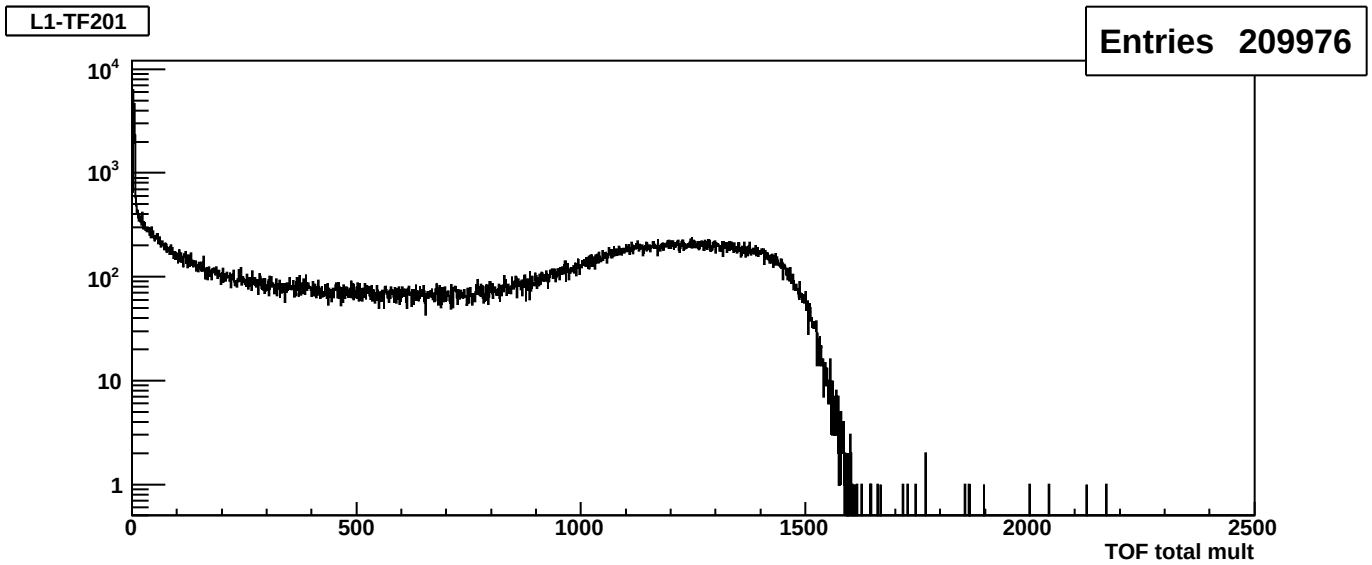

MIX-TF003
Entries 8818992
TOF MULT
TOF tray

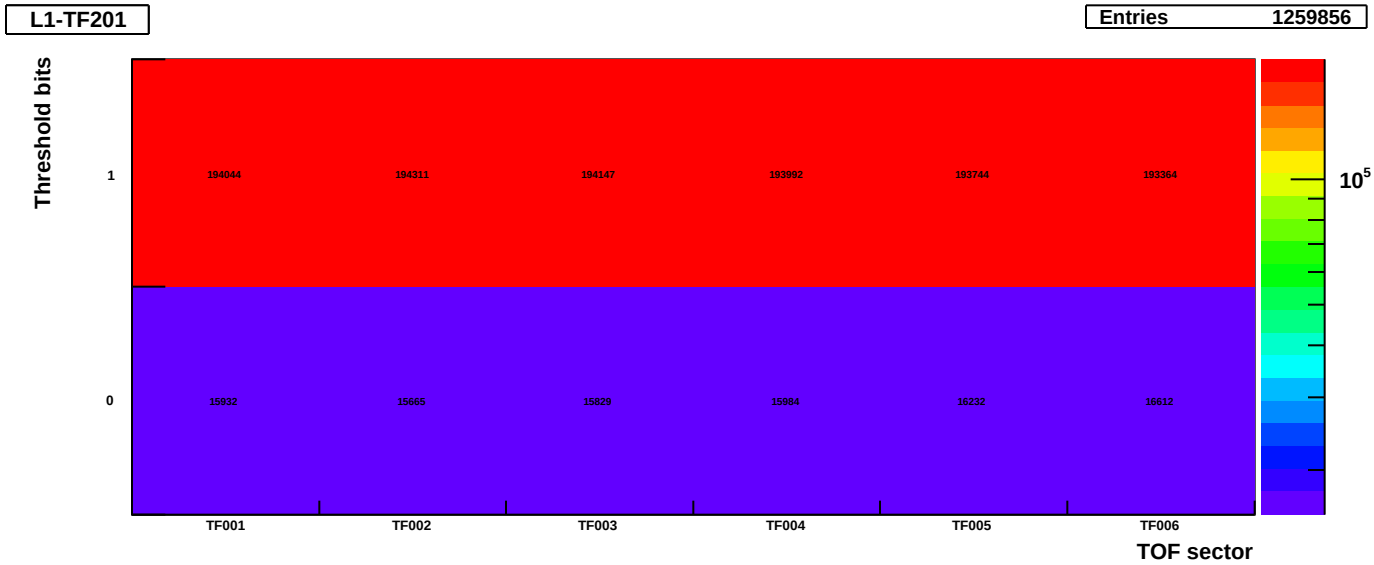

MIX-TF004
Entries 8818992
TOF MULT
TOF tray

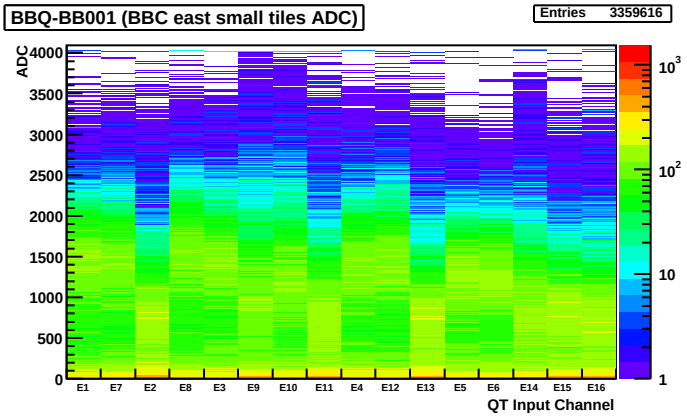

MIX-TF005
Entries 8818992
TOF MULT
TOF tray

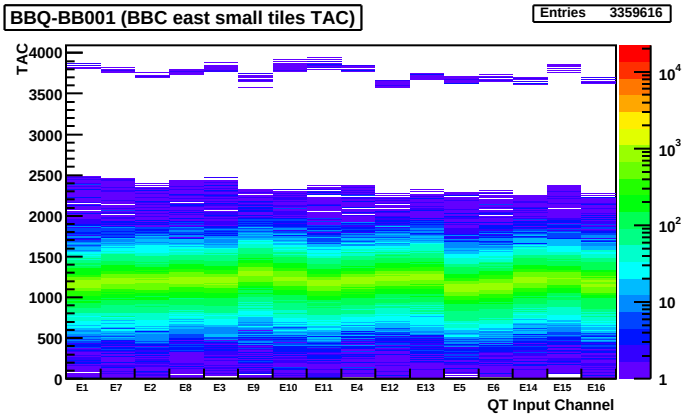

MIX-TF006
Entries 8818992
TOF MULT
TOF tray

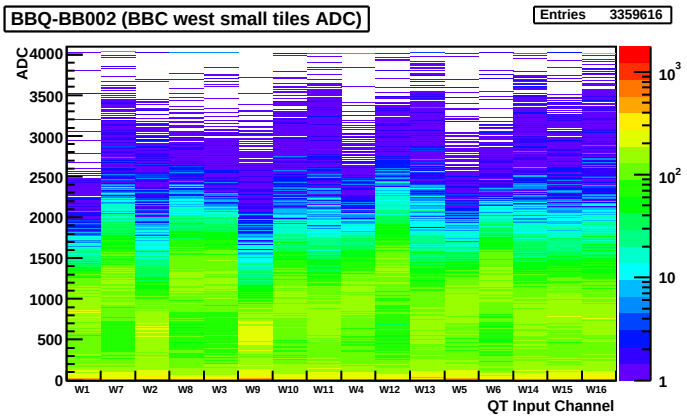

MIX-TF101
Entries 1259856
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

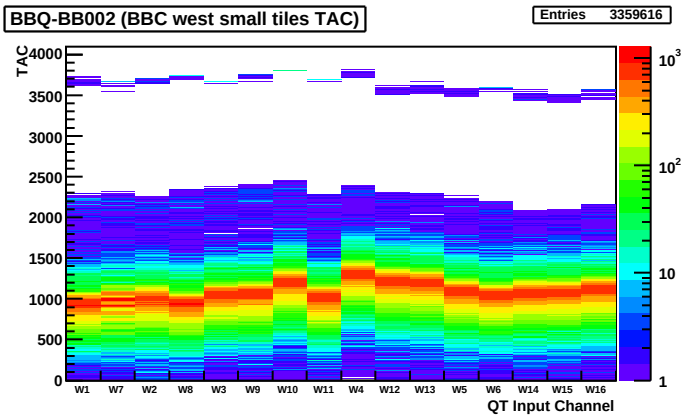

L1-TF201
Entries 209976
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

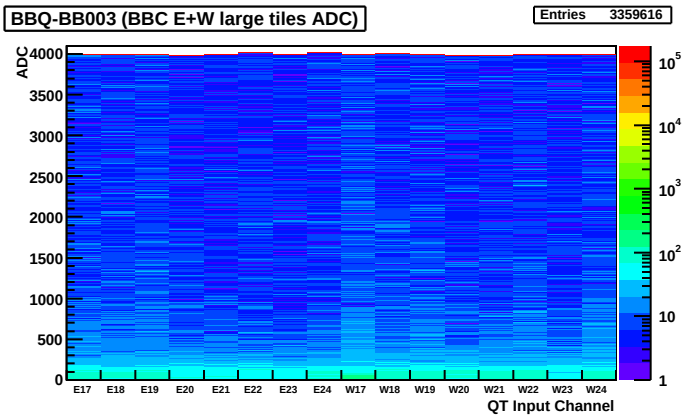

L1-TF201
Entries 1259856
Threshold bits
1
0
194044
194311
194147
193992
193744
193364
15932
15665
15829
15984
16232
16612
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

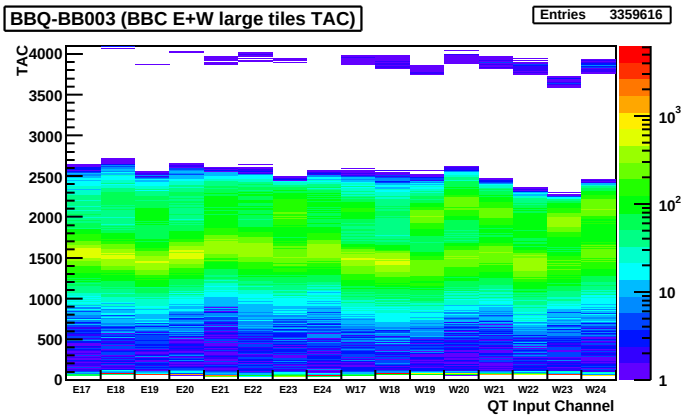

BBQ-BB001 (BBC east small tiles ADC)
Entries 3359616
ADC
QT Input Channel

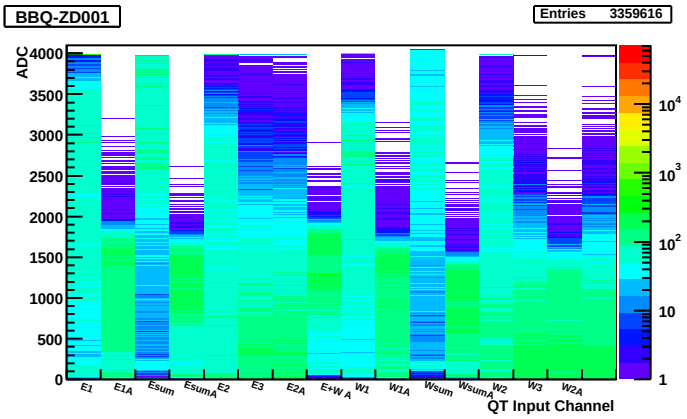

BBQ-BB001 (BBC east small tiles TAC)
Entries 3359616
TAC
QT Input Channel

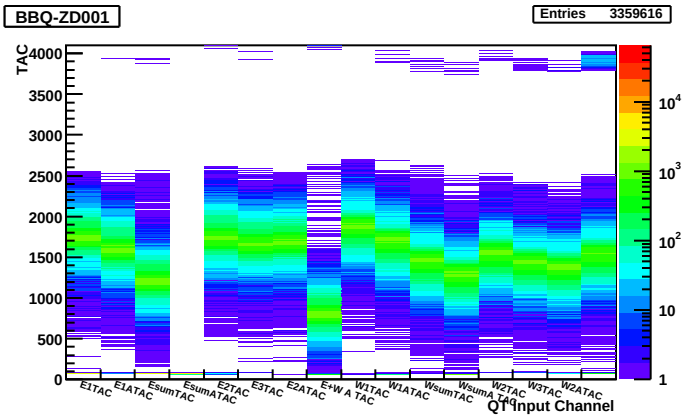

BBQ-BB002 (BBC west small tiles ADC)
Entries 3359616
ADC
QT Input Channel

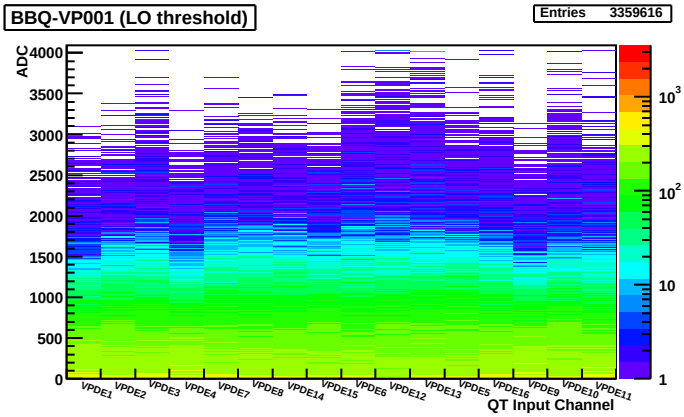

BBQ-BB002 (BBC west small tiles TAC)
Entries 3359616
TAC
QT Input Channel

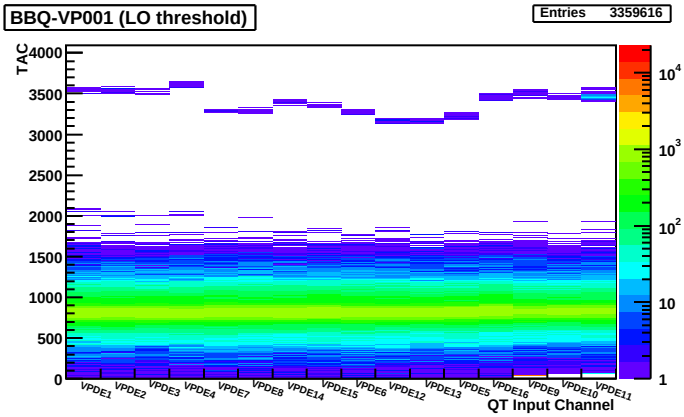

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3359616
ADC
QT Input Channel

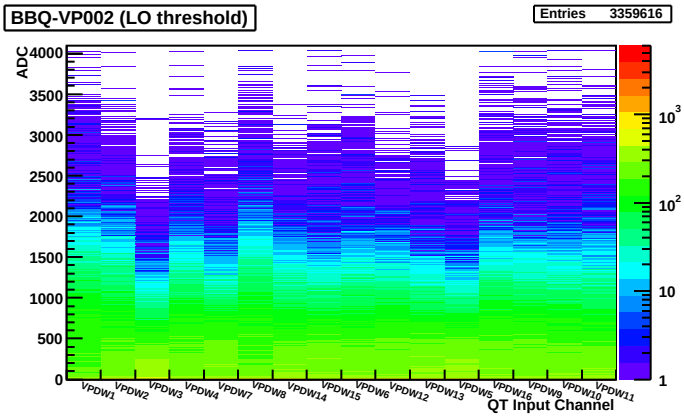

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3359616
TAC
QT Input Channel

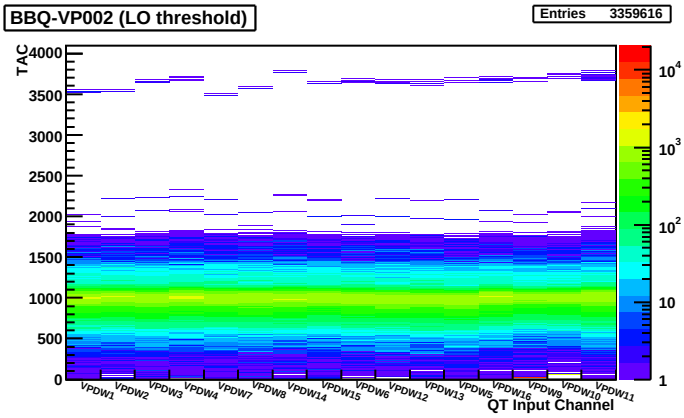

BBQ-ZD001
Entries 3359616
ADC
QT Input Channel

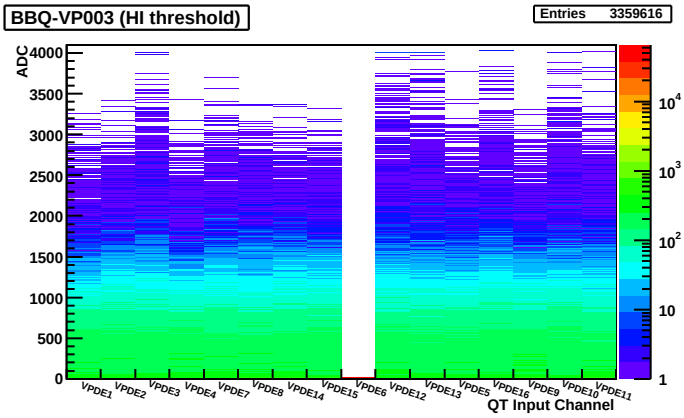

BBQ-ZD001
Entries 3359616
TAC
QT Input Channel

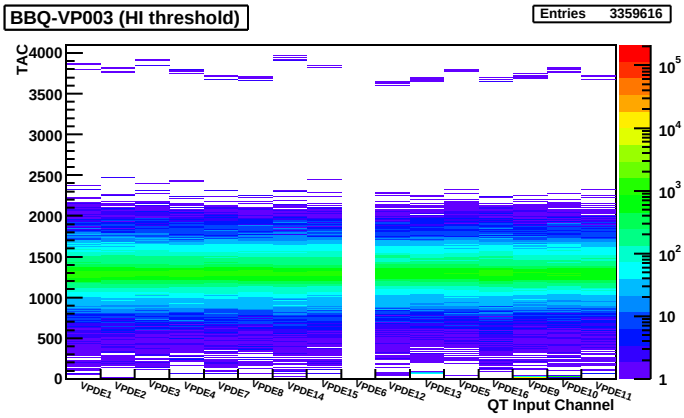

BBQ-VP001 (LO threshold)
Entries 3359616
ADC
QT Input Channel

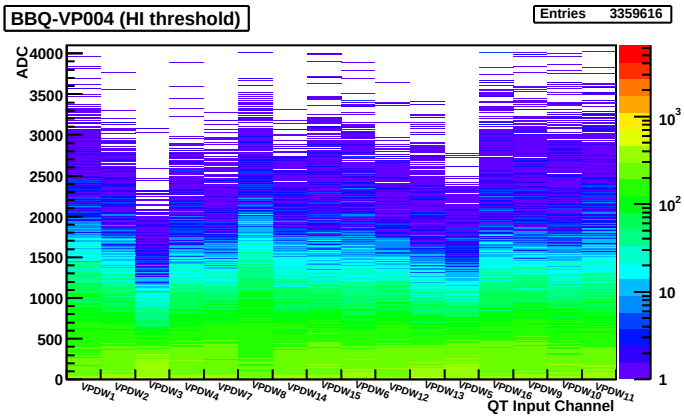

BBQ-VP001 (LO threshold)
Entries 3359616
TAC
QT Input Channel

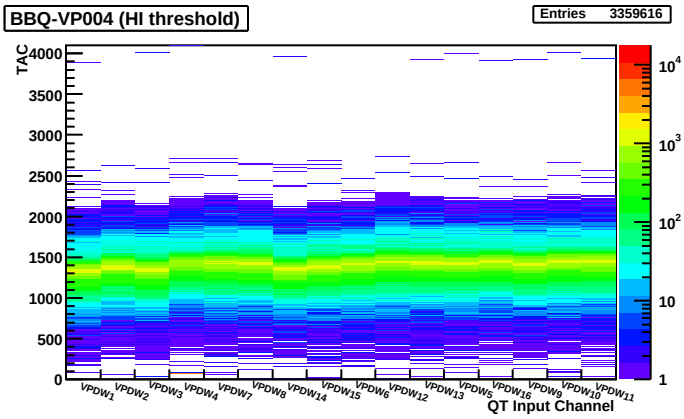

BBQ-VP002 (LO threshold)
Entries 3359616
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 3359616
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3359616
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3359616
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3359616
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3359616
TAC
QT Input Channel