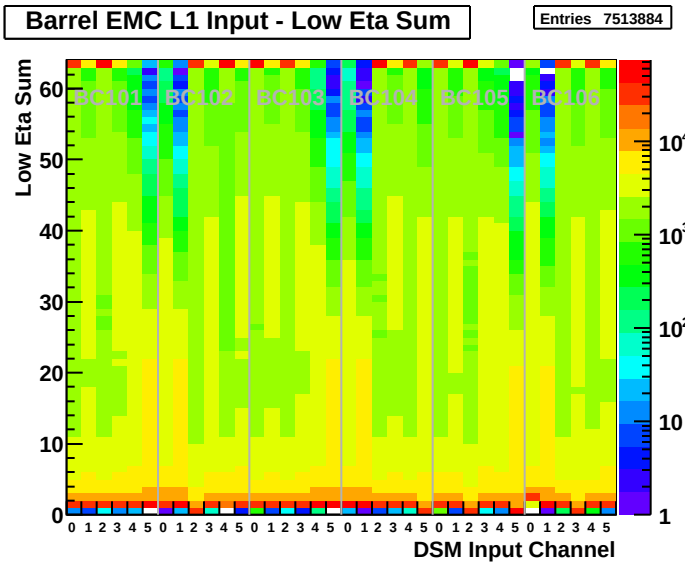
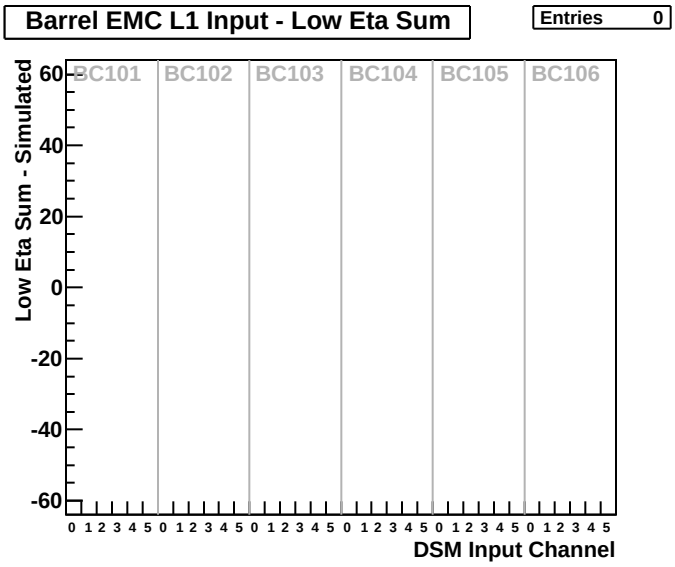
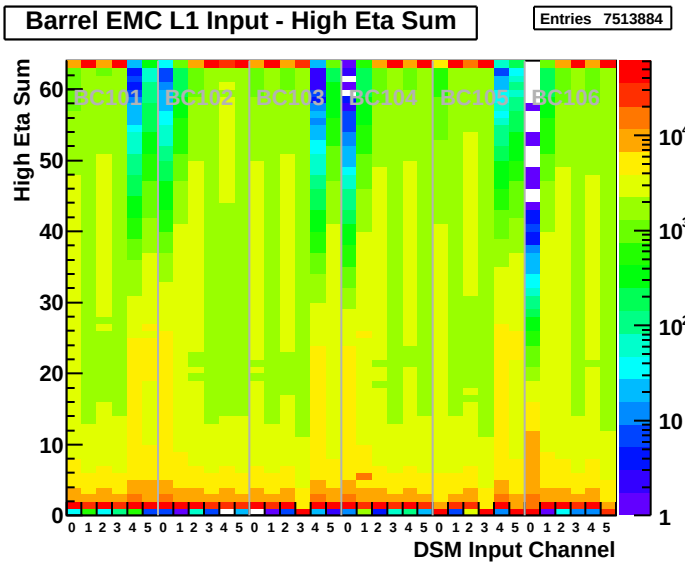
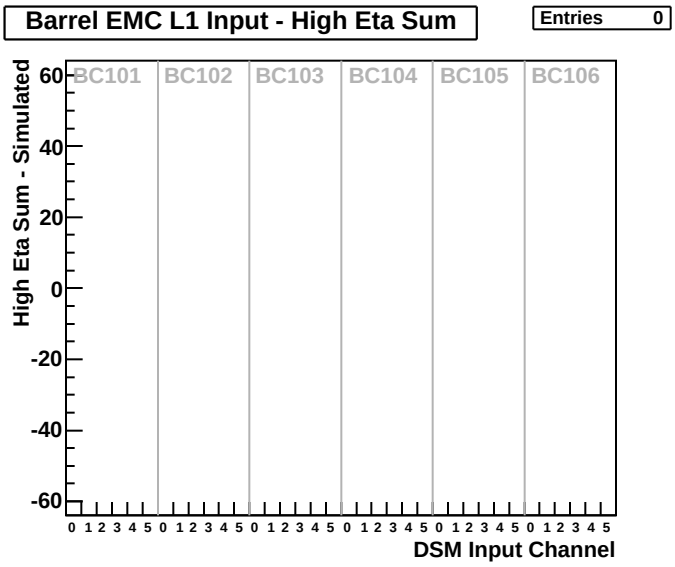
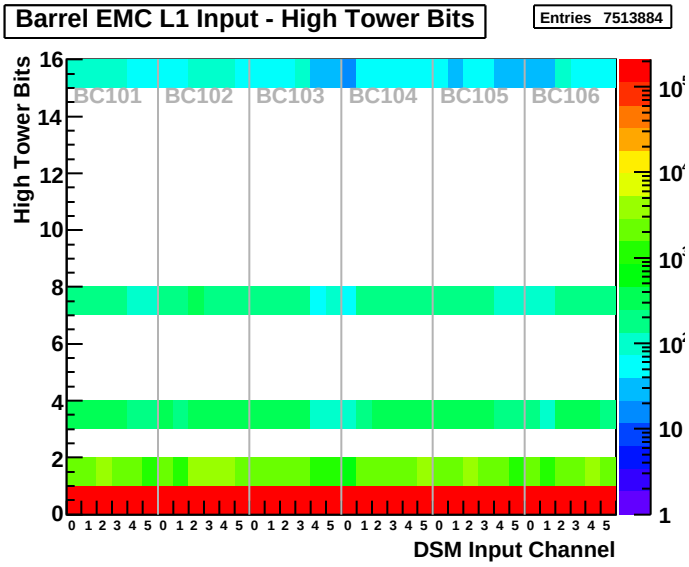
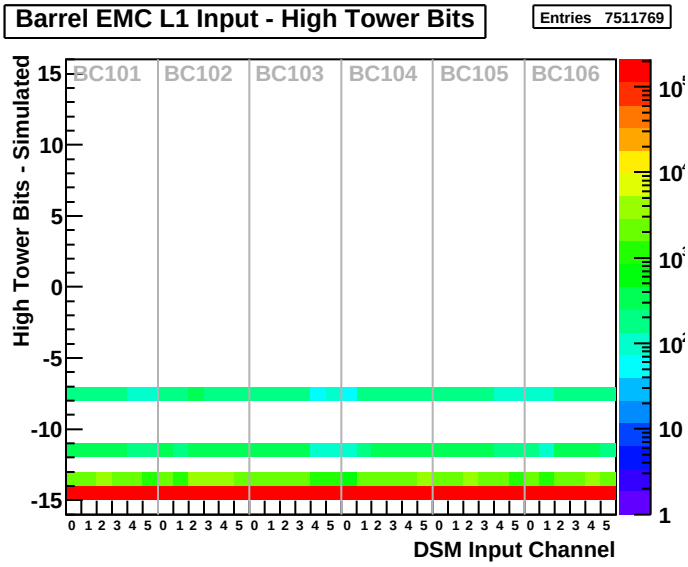

Barrel EMC L1 Input - Low Eta Sum
Entries 7513884
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

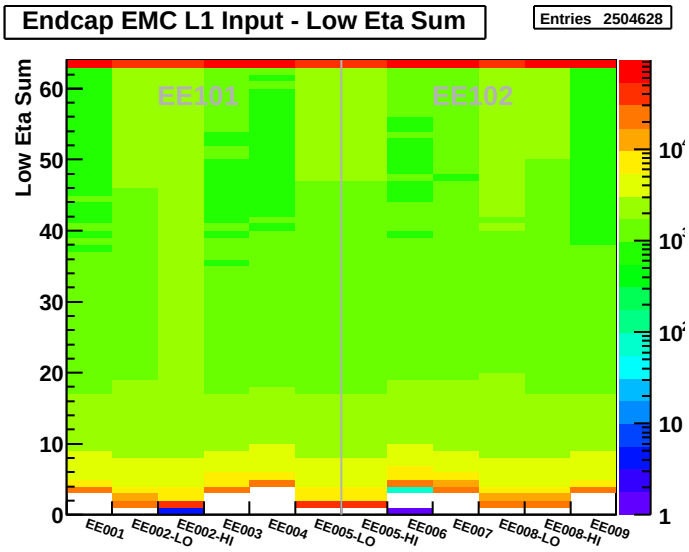

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

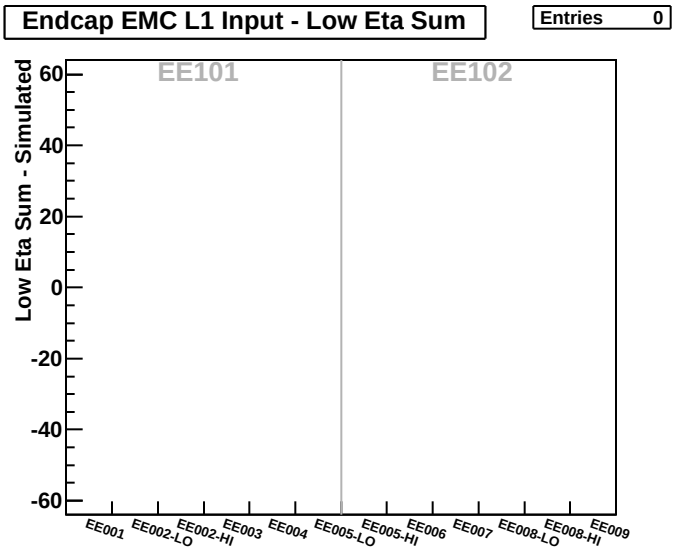

Barrel EMC L1 Input - High Eta Sum
Entries 7513884
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

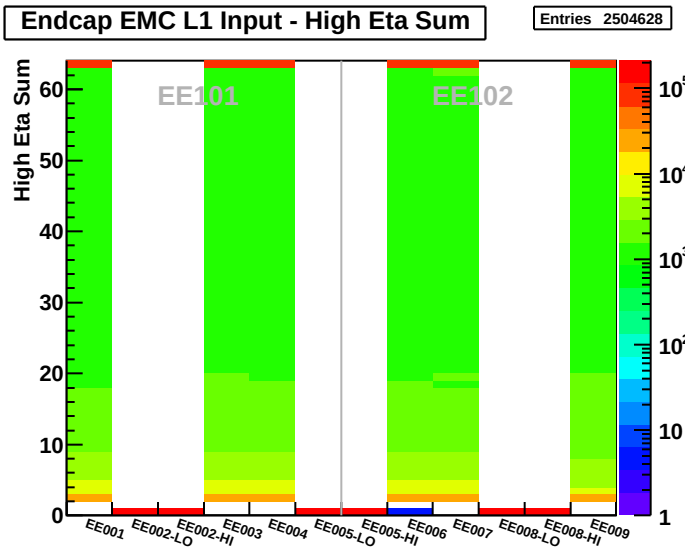

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

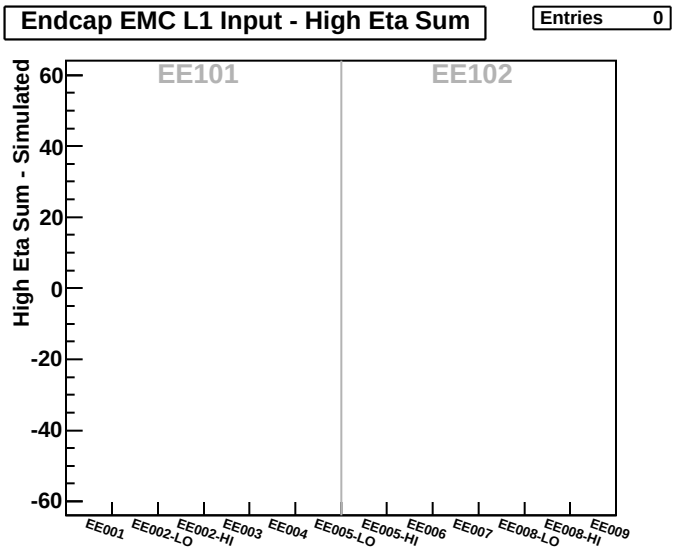

Barrel EMC L1 Input - High Tower Bits
Entries 7513884
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

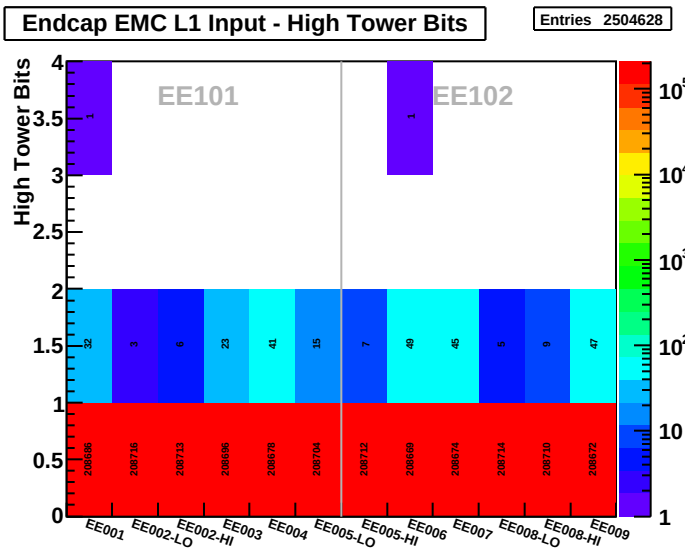

Barrel EMC L1 Input - High Tower Bits
Entries 7511769
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

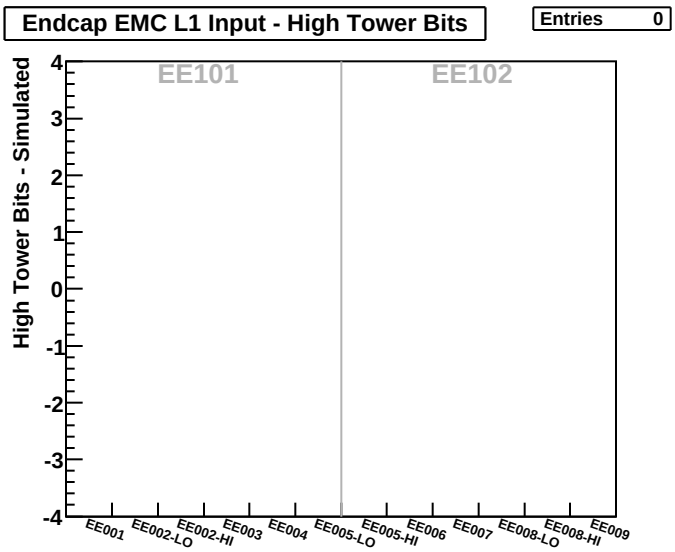

Endcap EMC L1 Input - Low Eta Sum
Entries 2504628
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

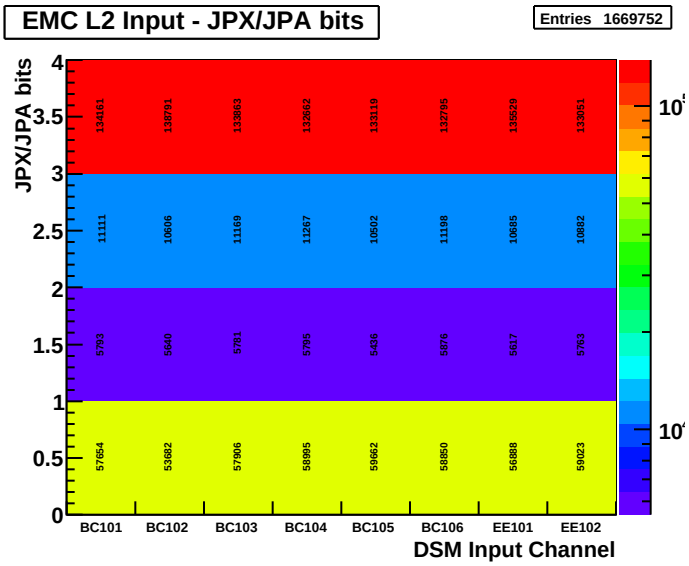

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

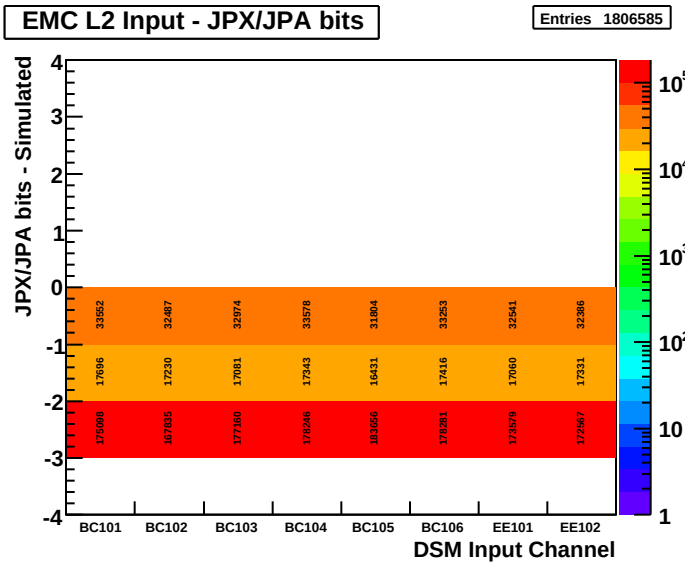

Endcap EMC L1 Input - High Eta Sum
Entries 2504628
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

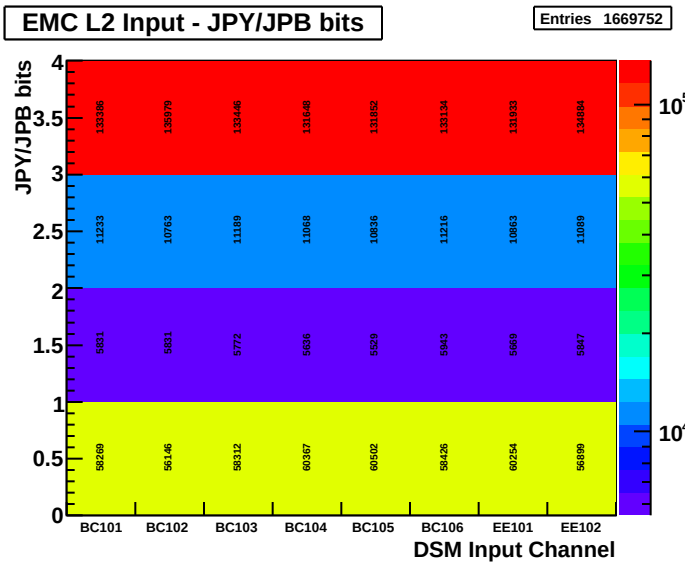

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

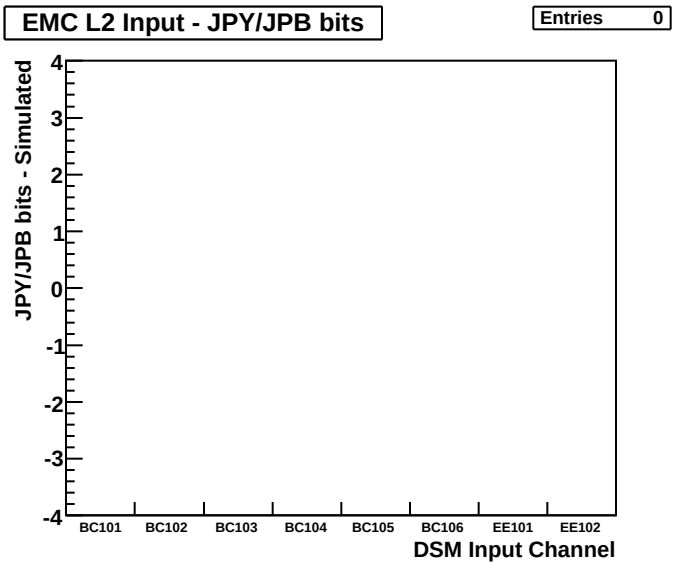

Endcap EMC L1 Input - High Tower Bits
Entries 2504628
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

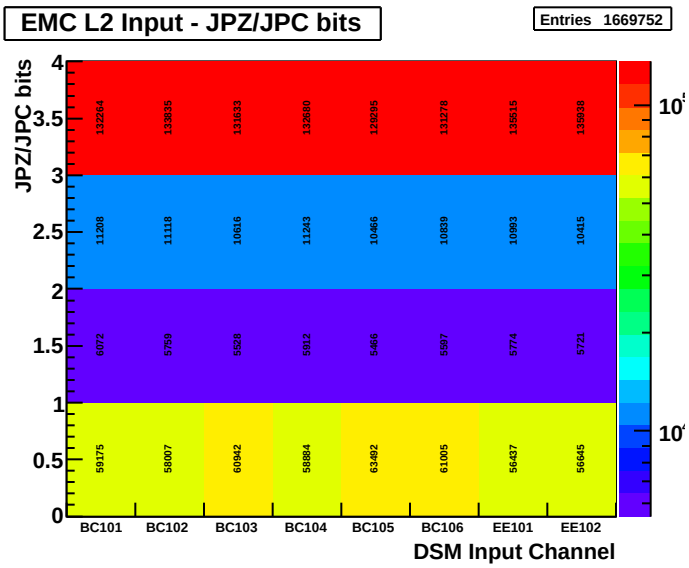

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

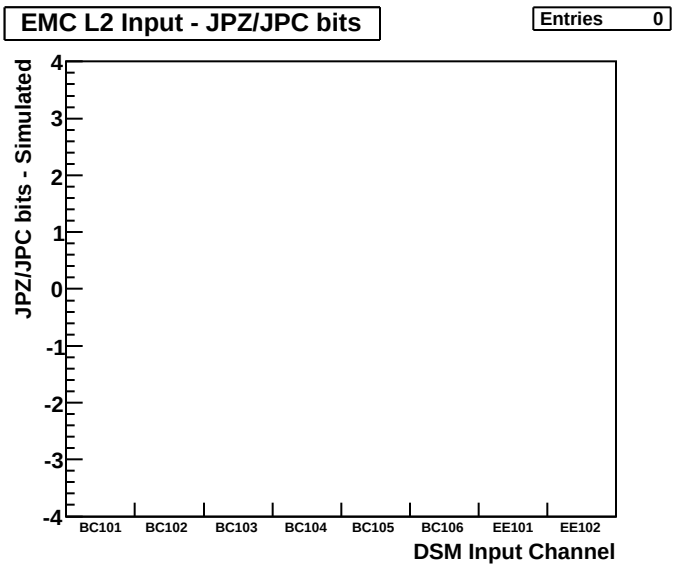

EMC L2 Input - JPX/JPA bits
Entries 1669752
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
134461 133791 133863 133662 133119 132795 135529 133051
11111 10606 11169 11267 10502 11198 10685 10852
5793 5640 5781 5705 5436 5976 5617 5763
57654 53682 57906 58995 59662 58850 56888 59023

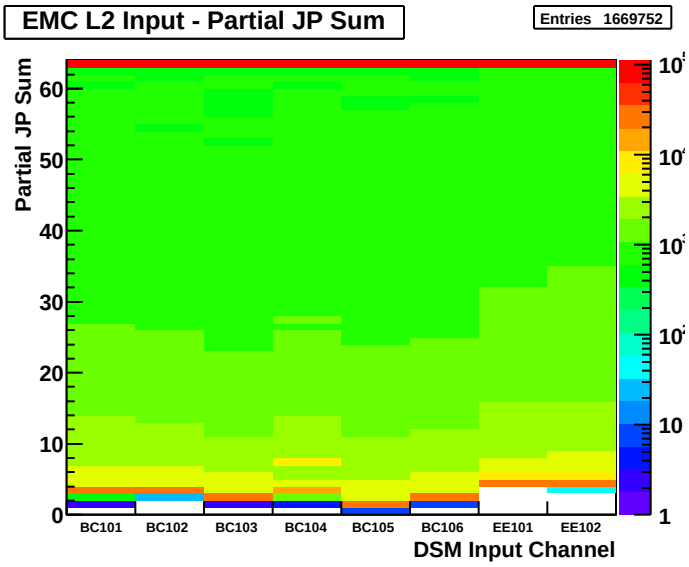

EMC L2 Input - JPX/JPA bits
Entries 1806585
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
33552 32487 32974 33578 31804 33253 32541 32386
17696 17230 17081 17343 16431 17416 17060 17331
175098 167635 177160 178246 183656 178281 173579 172567

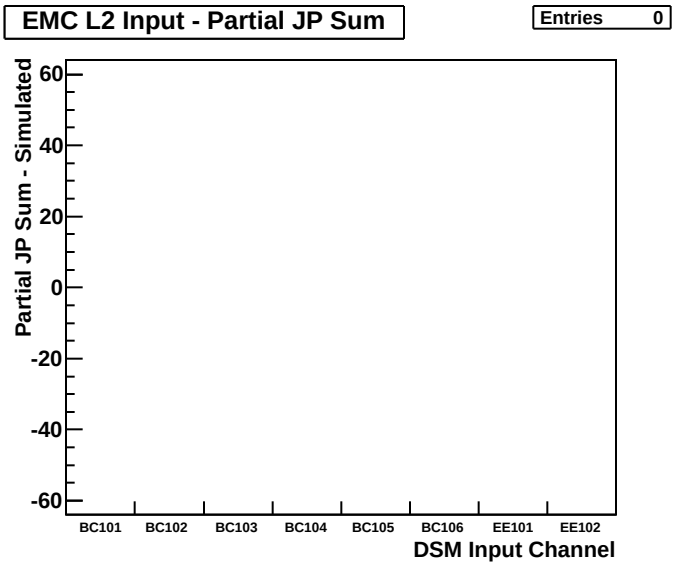

EMC L2 Input - JPY/JPB bits
Entries 1669752
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
133386 135979 132446 131648 131852 133134 131933 134884
11233 10763 11189 11068 10836 11216 10863 11089
5831 5831 5772 5636 5529 5943 5669 5547
58269 56146 58312 60367 60502 58426 60254 56890

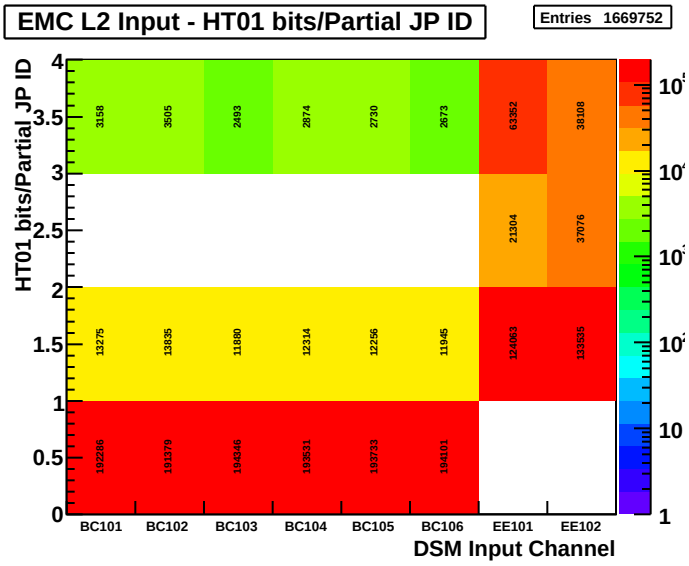

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

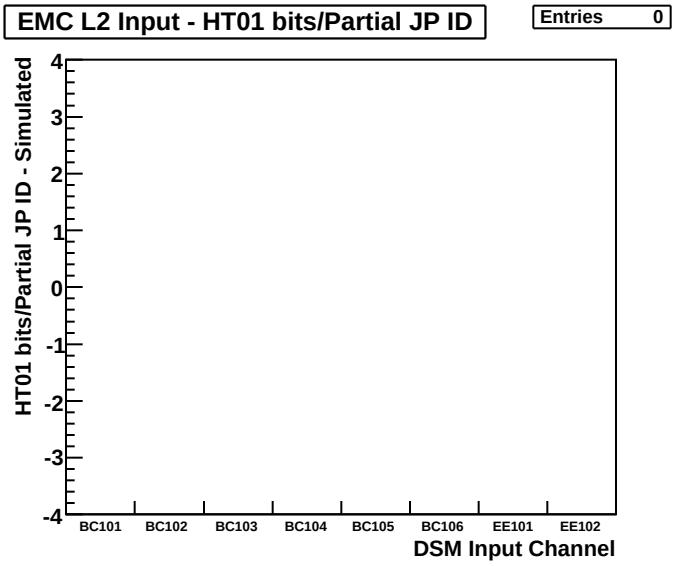

EMC L2 Input - JPZ/JPC bits
Entries 1669752
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
132264 133835 131633 132880 129295 131278 135515 135938
11208 11118 10616 11243 10466 10839 10993 10415
6072 5759 5528 5912 5466 5997 5774 5721
59175 58007 60942 58884 63492 61005 56437 56645

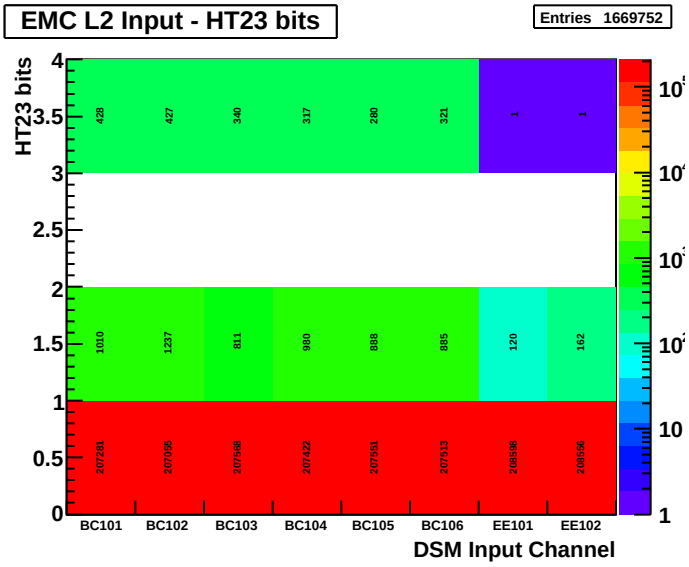

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

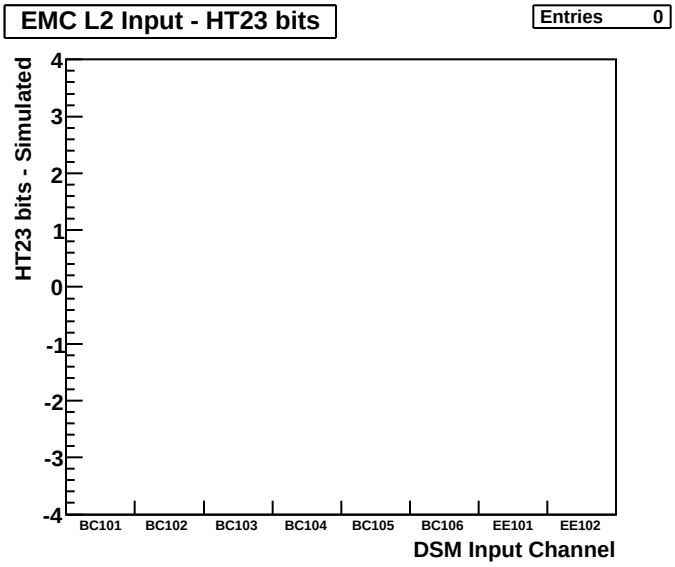

EMC L2 Input - Partial JP Sum
Entries 1669752
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

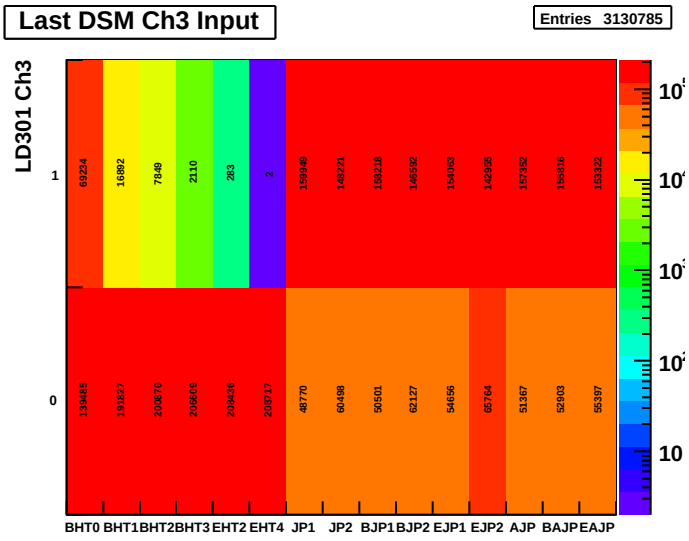

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

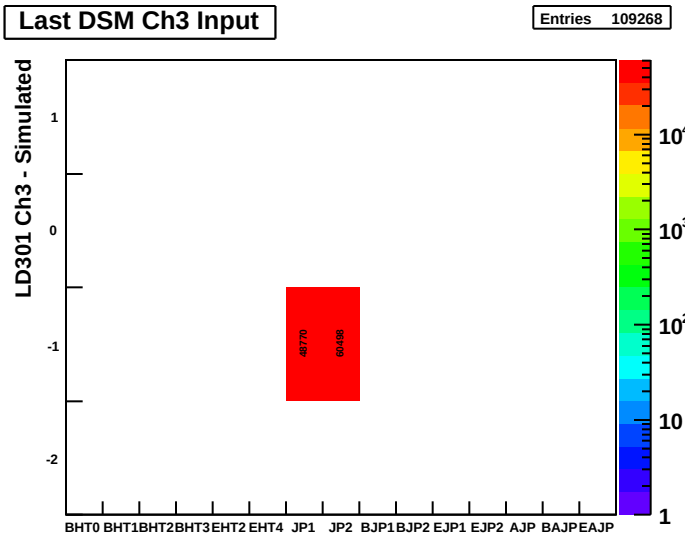

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1669752
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

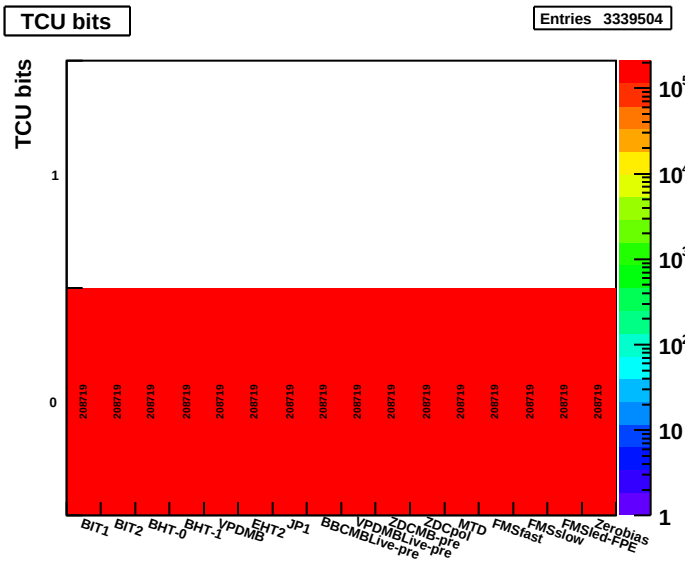

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

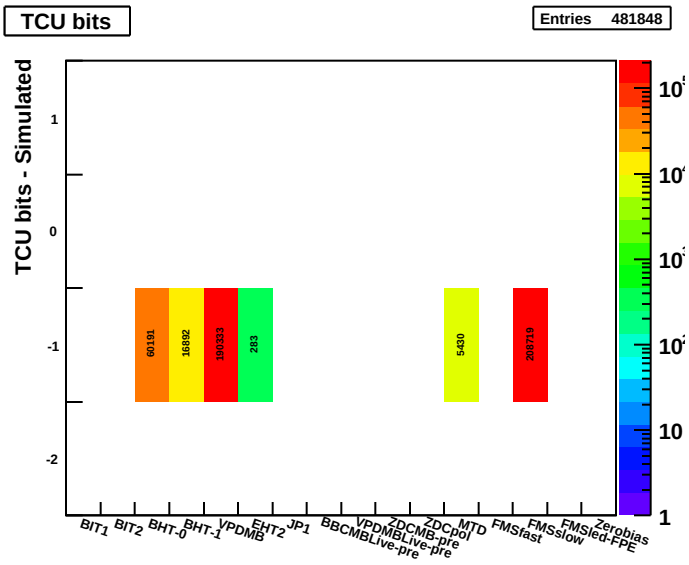

EMC L2 Input - HT23 bits
Entries 1669752
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

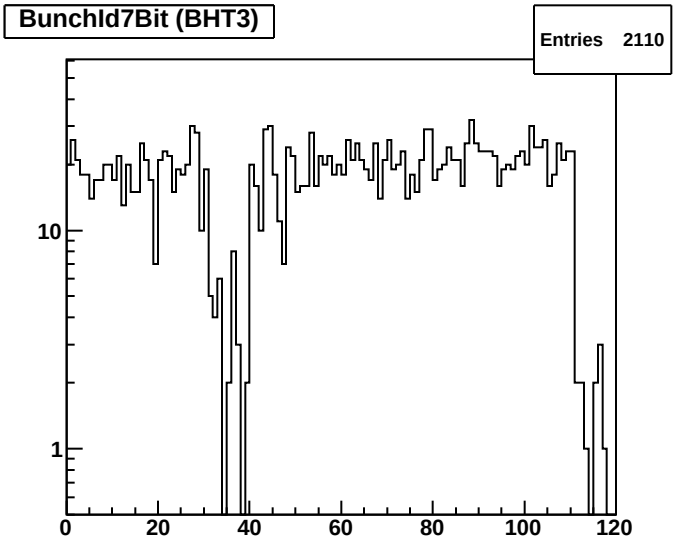

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

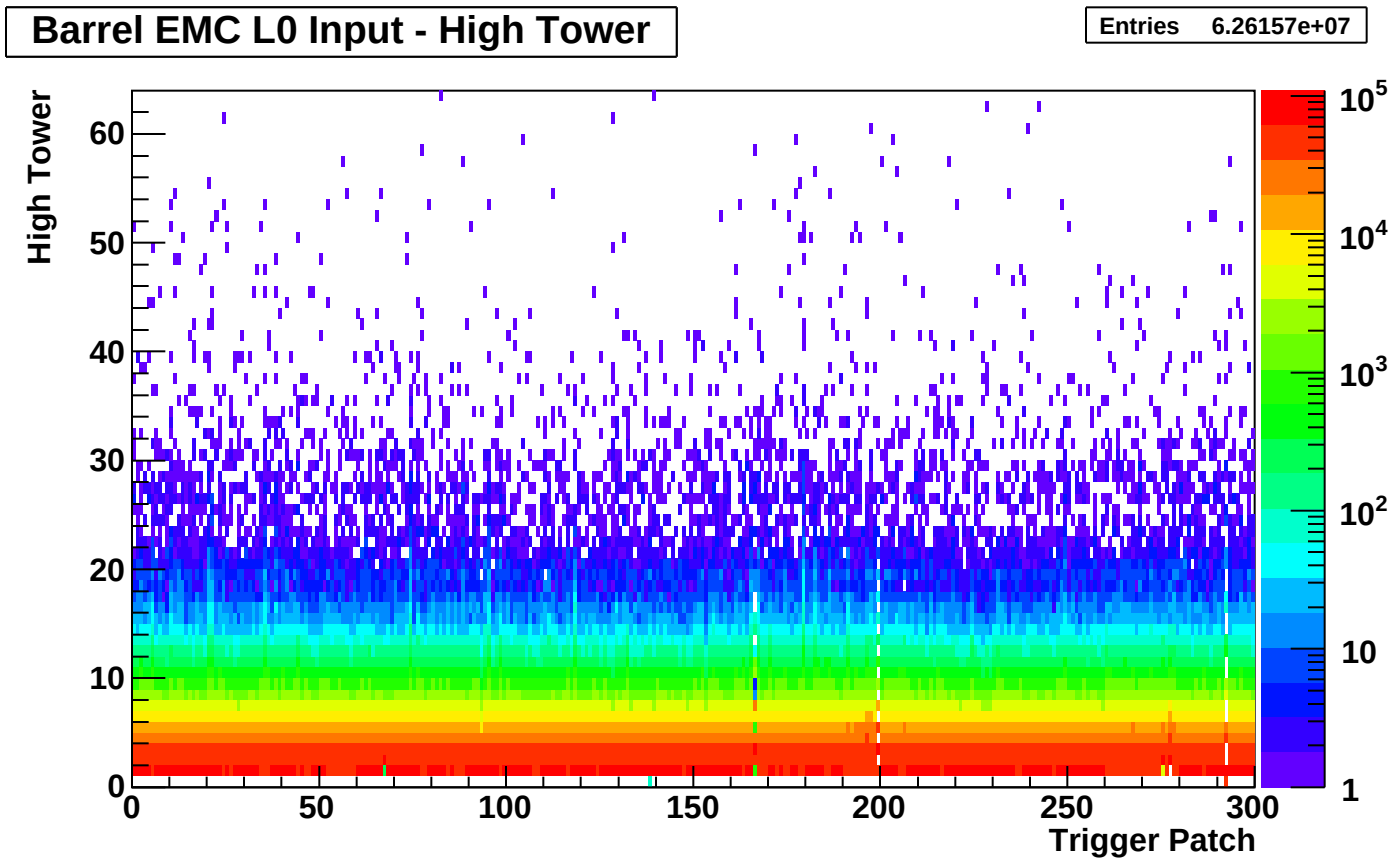

Last DSM Ch3 Input
Entries 3130785
LD301 Ch3
1
0
69234
16892
7849
2110
283
2
199949
148221
138218
146592
154063
142955
157352
155816
153322
139485
191827
200870
206609
208436
208717
49770
60498
50501
62127
54656
65764
51367
52903
55397
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

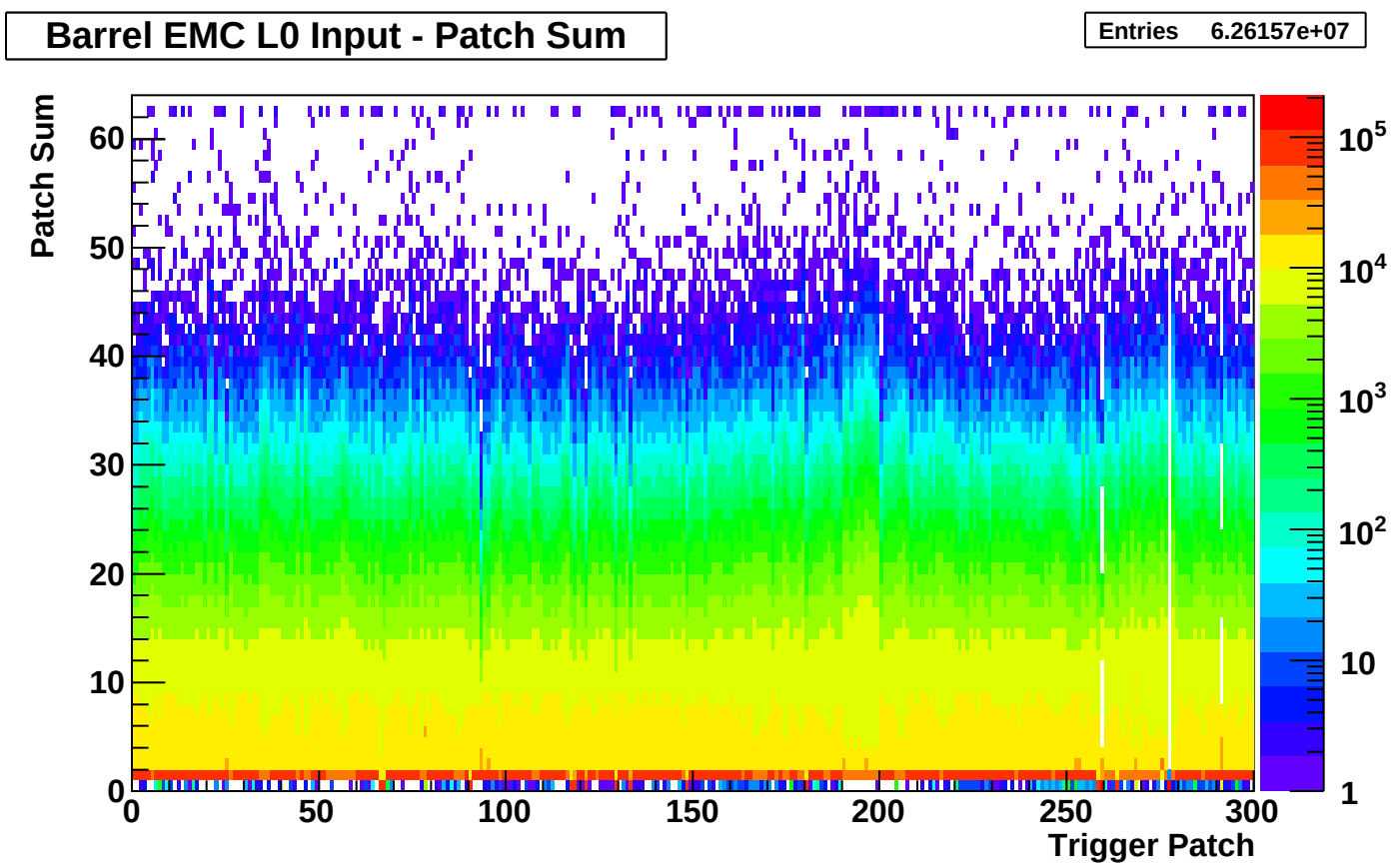

Last DSM Ch3 Input
Entries 109268
LD301 Ch3 - Simulated
1
0
-1
-2
49770
60498
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

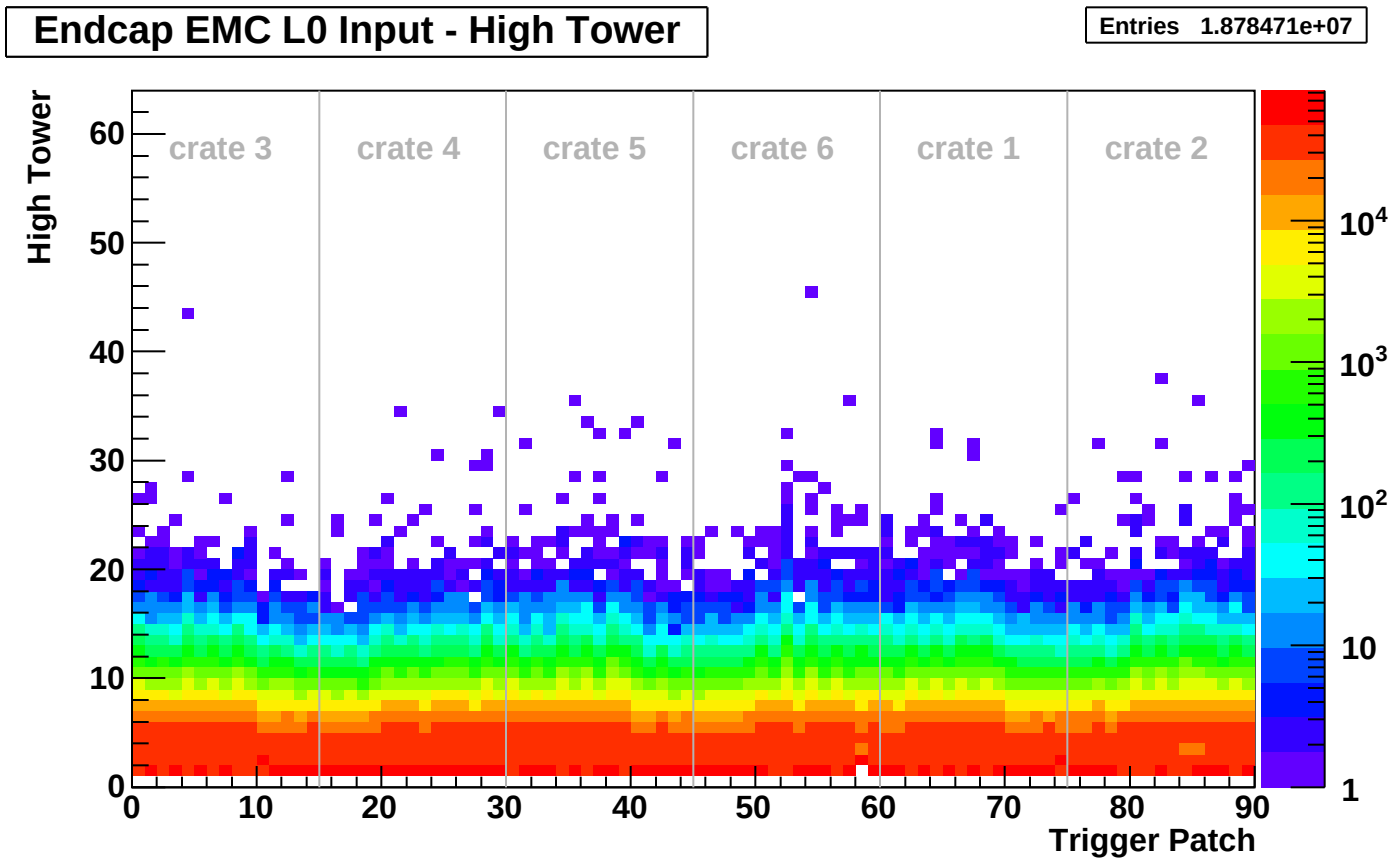

TCU bits
Entries 3339504
TCU bits
1
0
208719
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

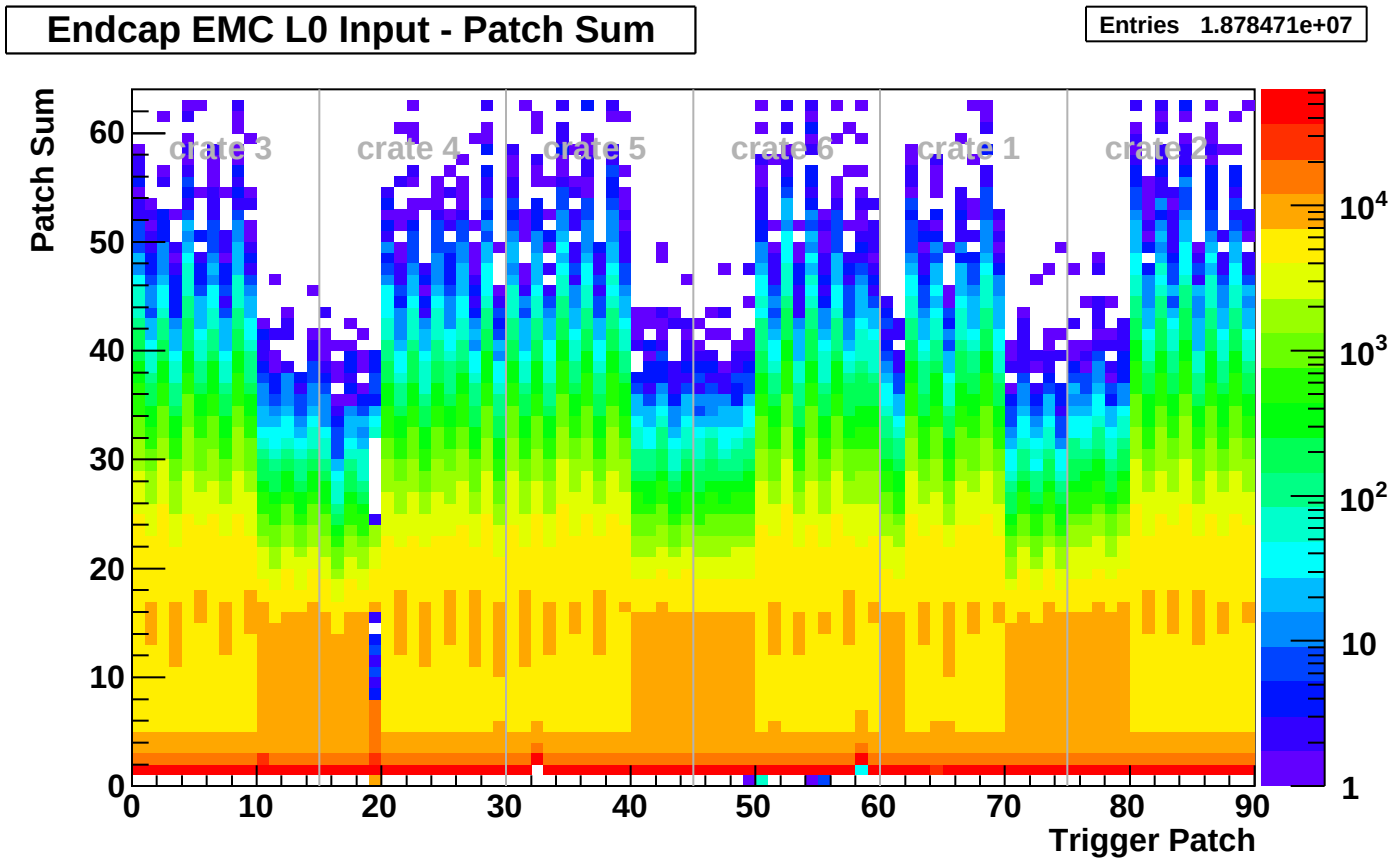

TCU bits
Entries 481848
TCU bits - Simulated
1
0
-1
-2
60191
16892
190333
283
5430
208719
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

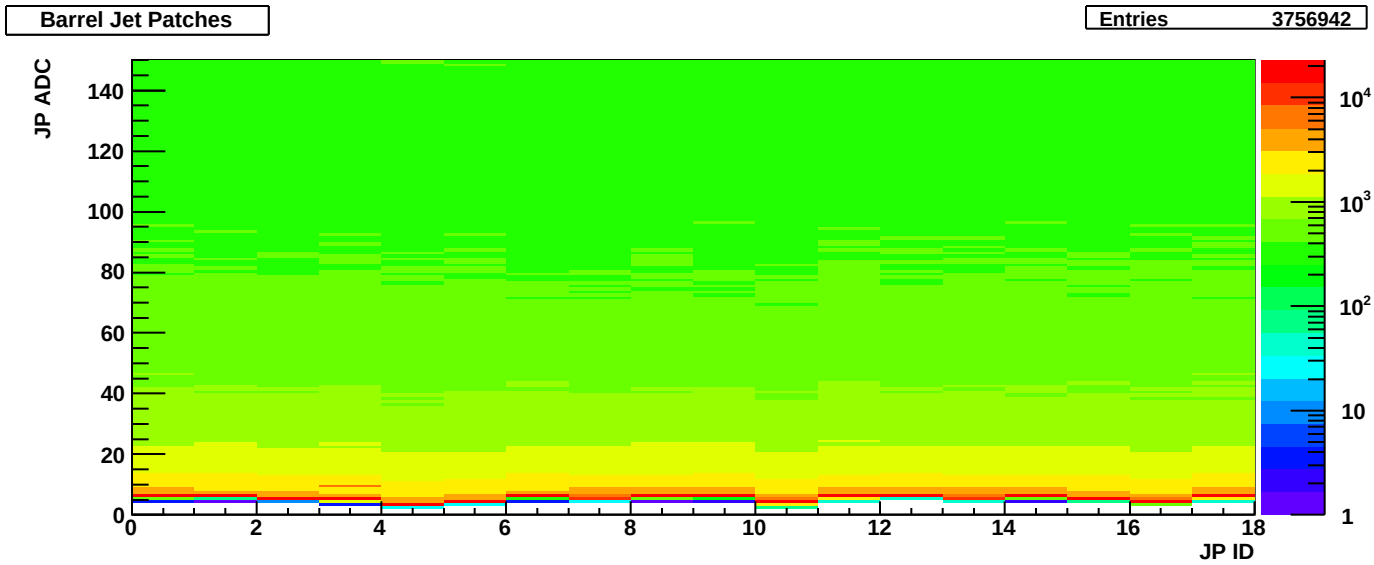

BunchId7Bit (BHT3)
Entries 2110
10
1
0
20
40
60
80
100
120

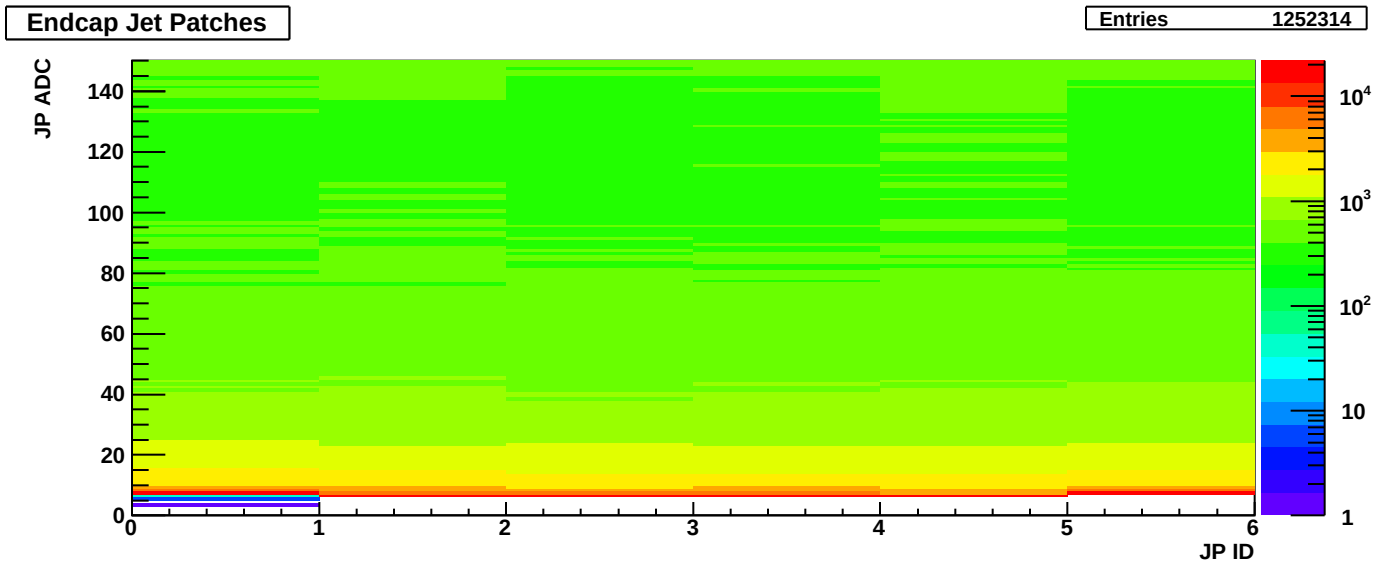

Barrel EMC L0 Input - High Tower
Entries 6.26157e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

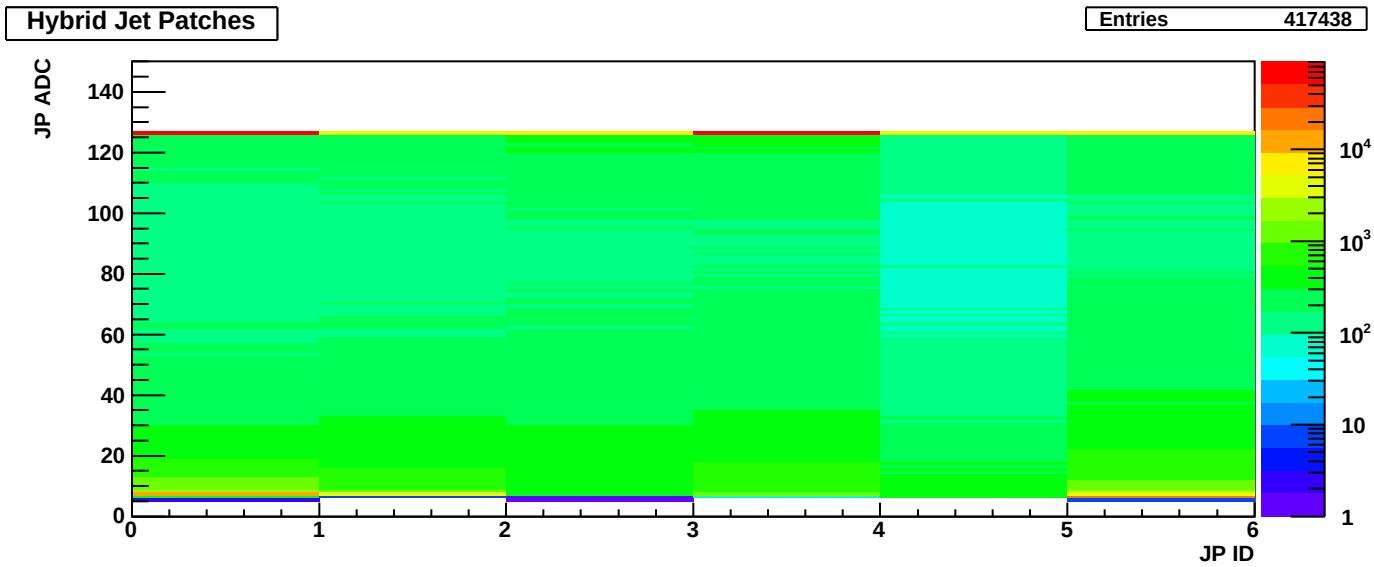

Barrel EMC L0 Input - Patch Sum
Entries 6.26157e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

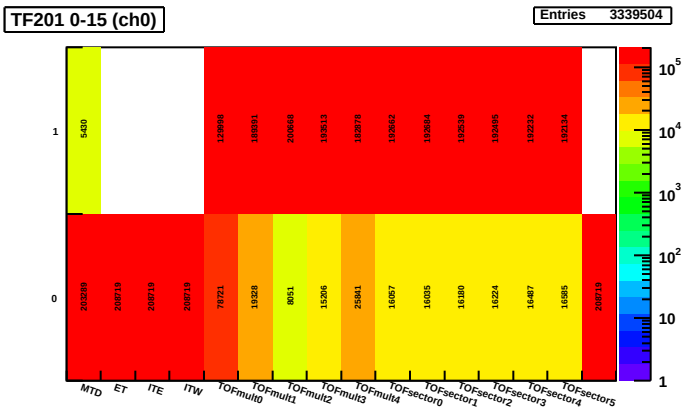

Endcap EMC L0 Input - High Tower
Entries 1.878471e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

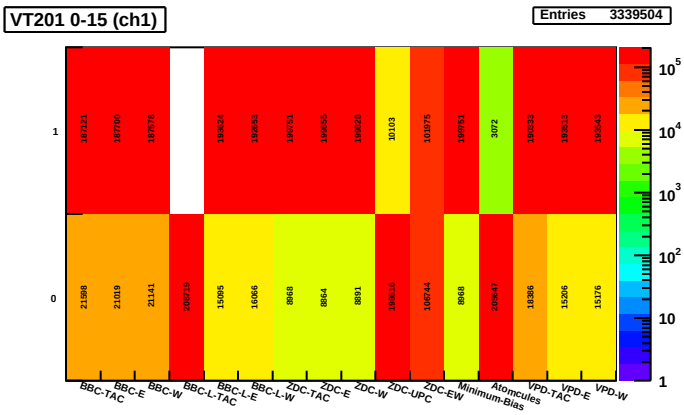

Endcap EMC L0 Input - Patch Sum
Entries 1.878471e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

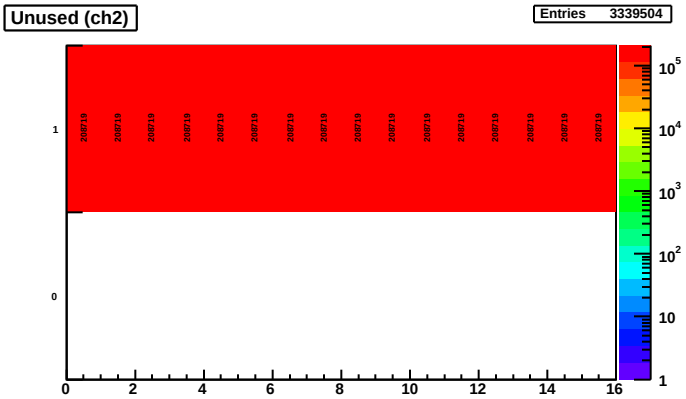

Barrel Jet Patches
Entries 3756942
JP ADC
JP ID

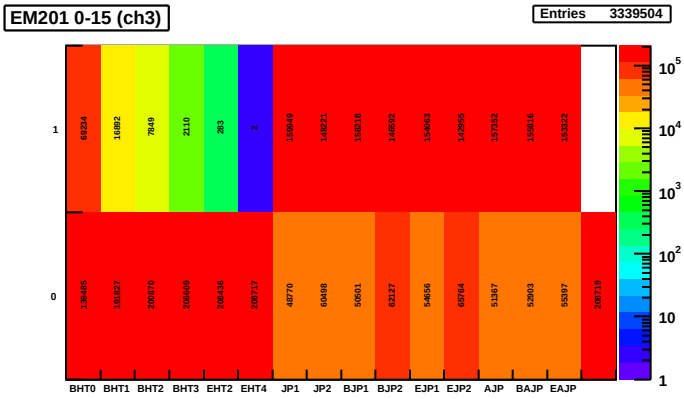

Endcap Jet Patches
Entries 1252314
JP ADC
JP ID

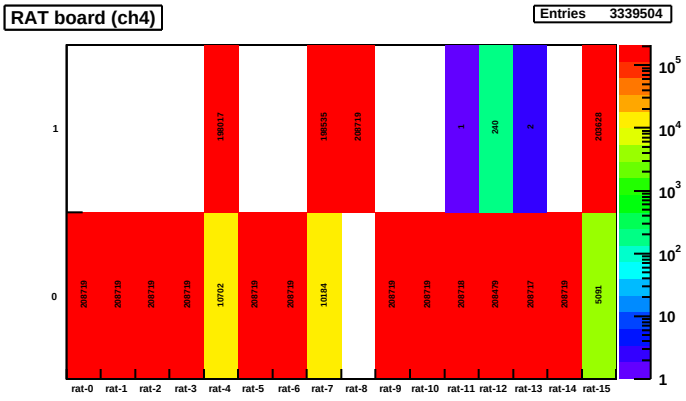

Hybrid Jet Patches
Entries 417438
JP ADC
JP ID

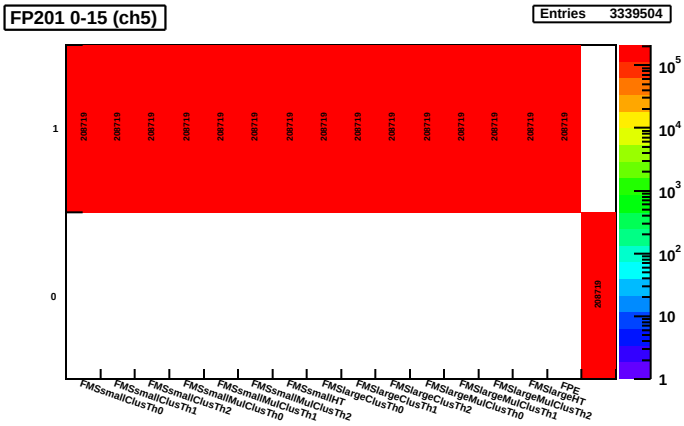

TF201 0-15 (ch0)
Entries 3339504
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

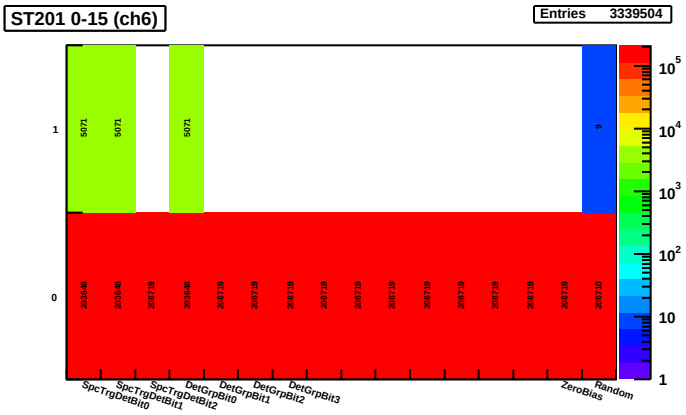

VT201 0-15 (ch1)
Entries 3339504
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

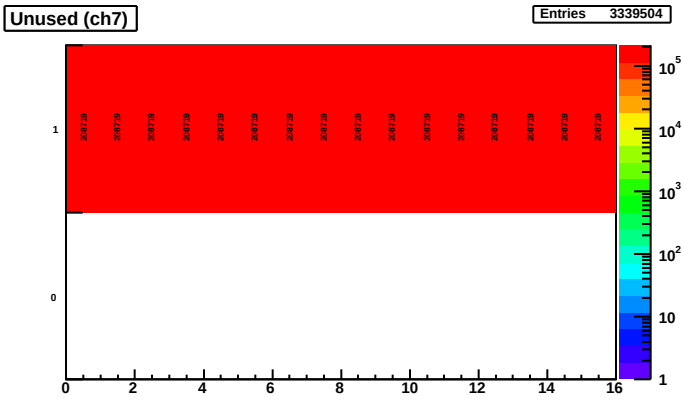

Unused (ch2)
Entries 3339504

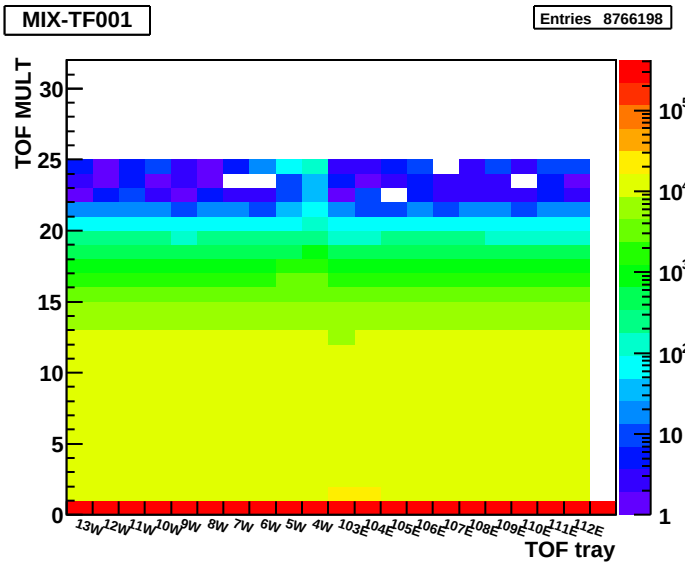

EM201 0-15 (ch3)
Entries 3339504
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

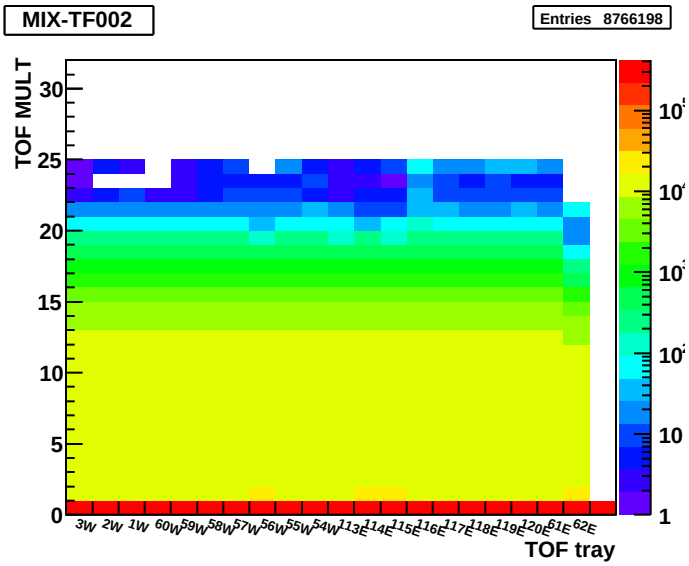

RAT board (ch4)
Entries 3339504
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

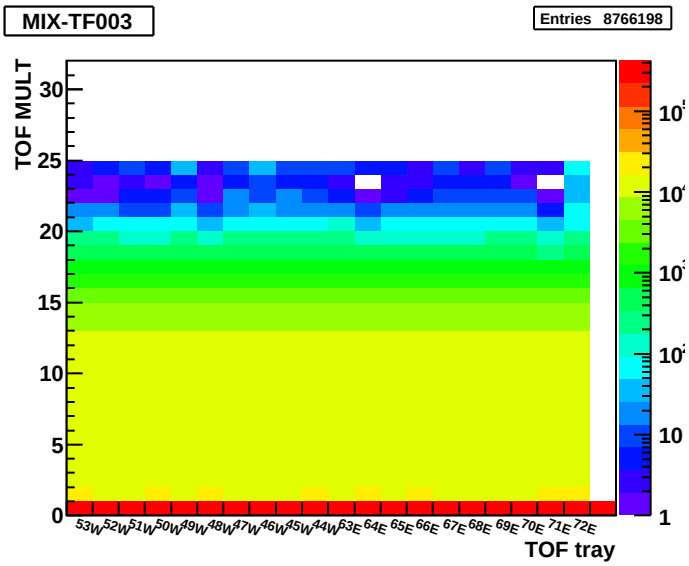

FP201 0-15 (ch5)
Entries 3339504
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

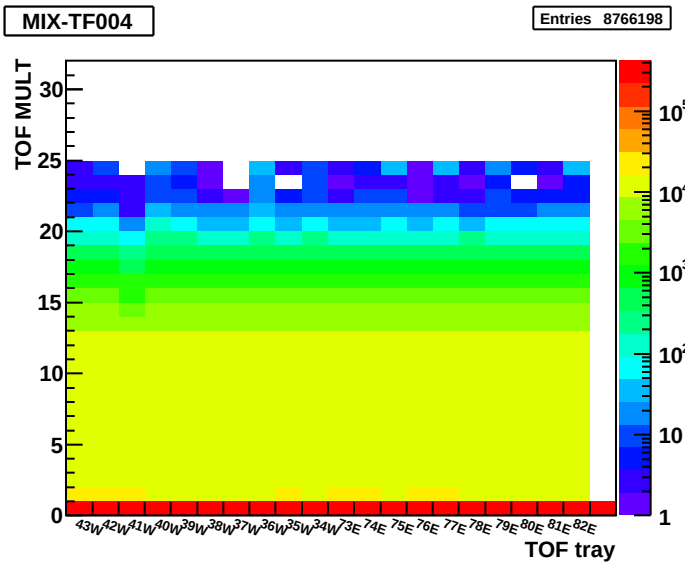

ST201 0-15 (ch6)
Entries 3339504
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

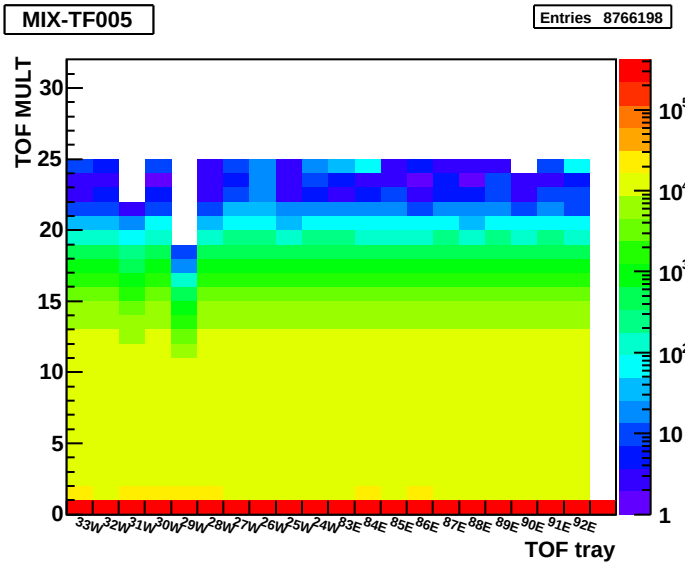

Unused (ch7)
Entries 3339504

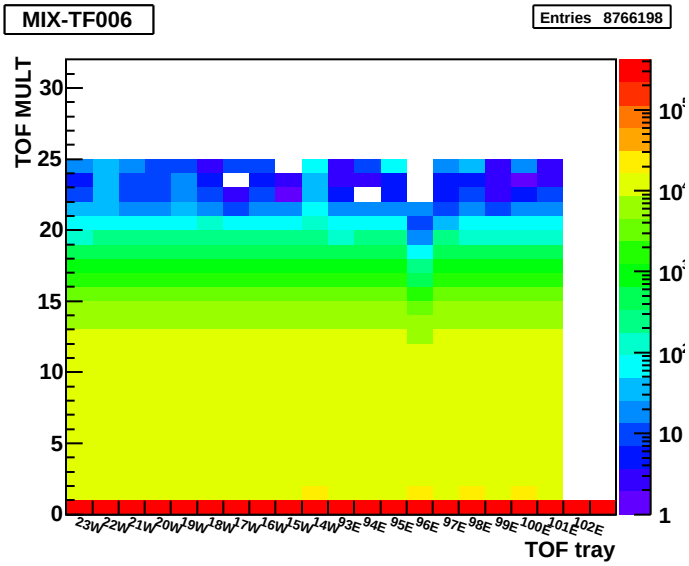

MIX-TF001
Entries 8766198
TOF MULT
TOF tray

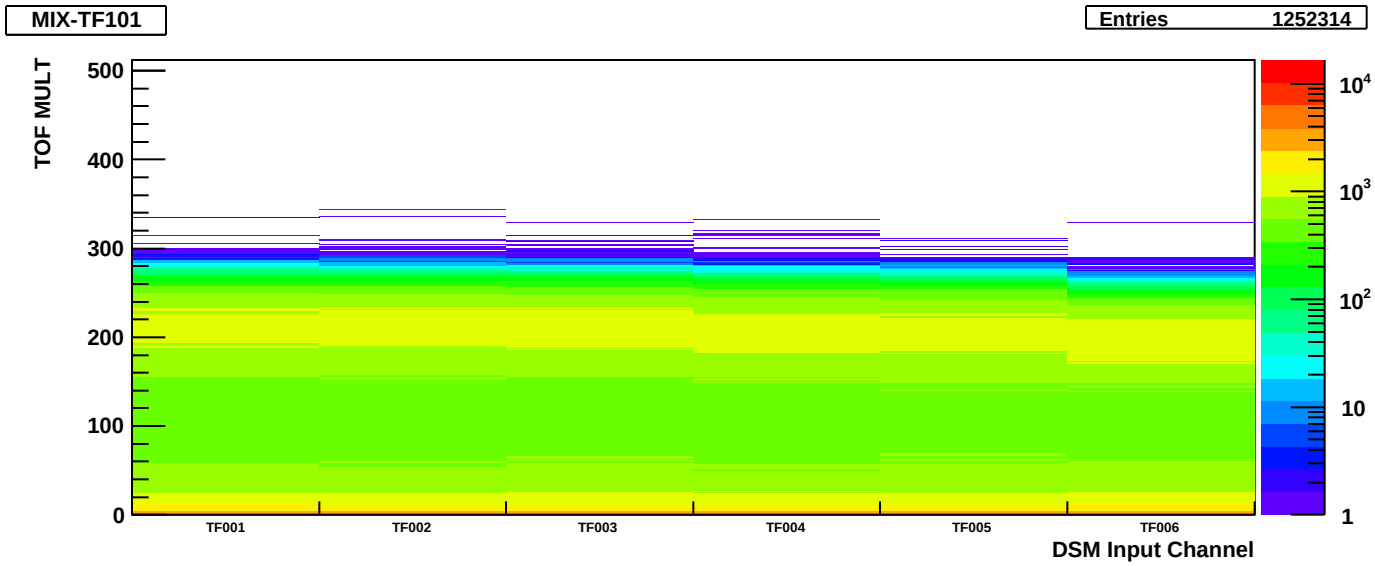

MIX-TF002
Entries 8766198
TOF MULT
TOF tray

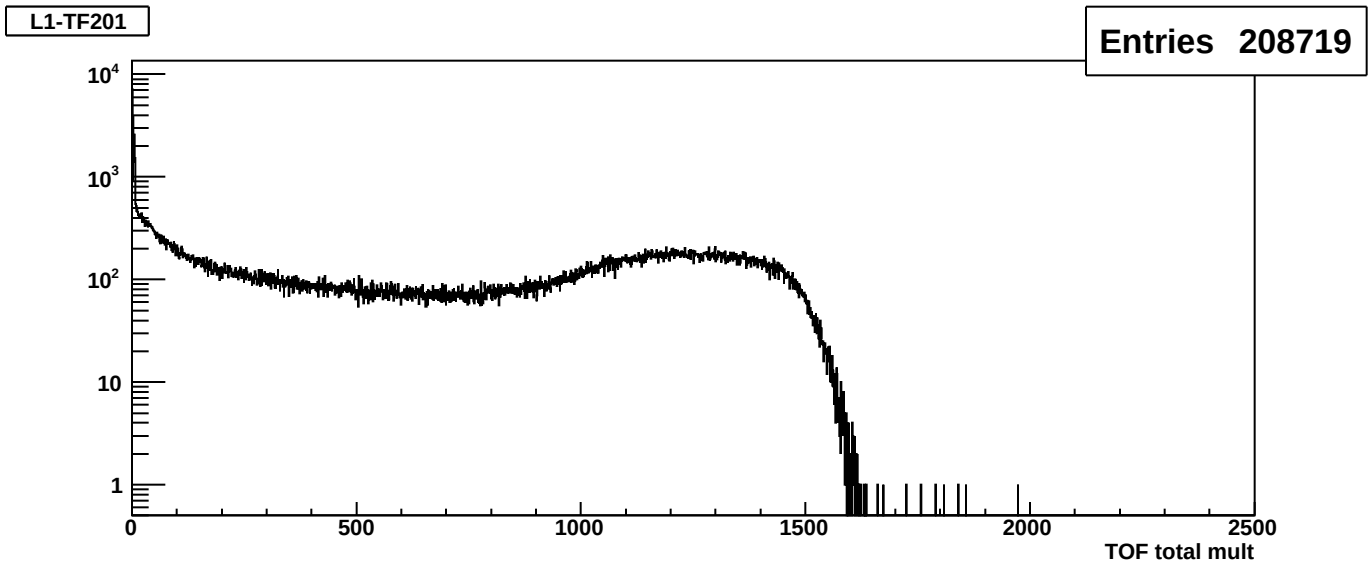

MIX-TF003
Entries 8766198
TOF MULT
TOF tray

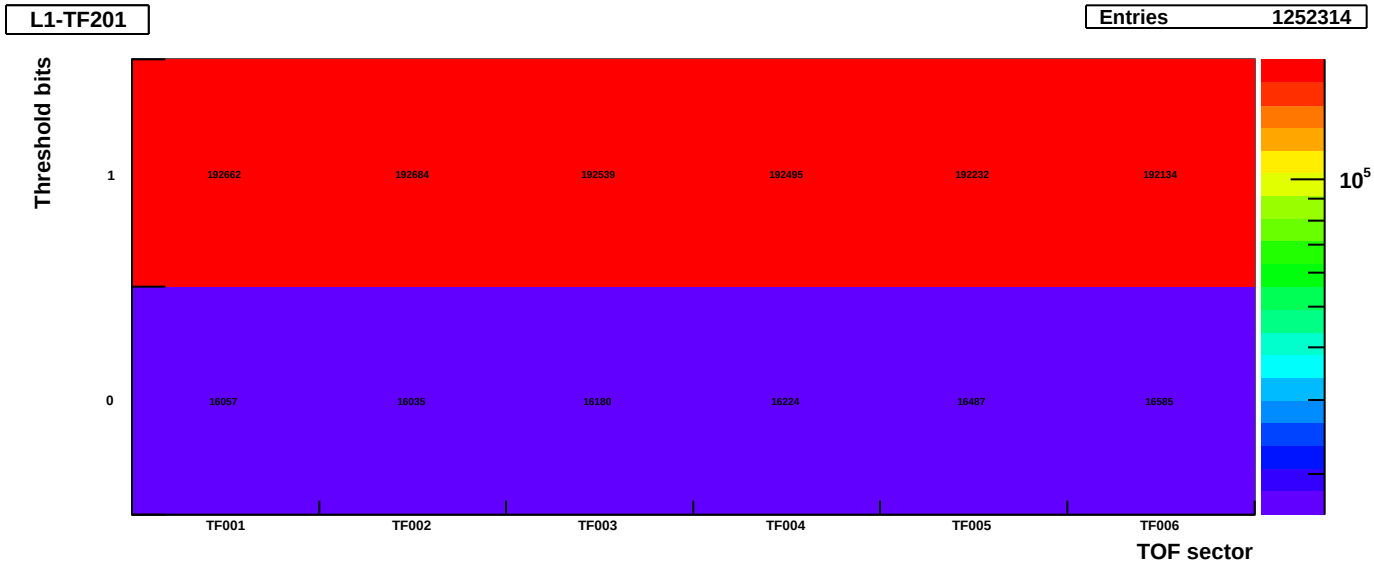

MIX-TF004
Entries 8766198
TOF MULT
TOF tray

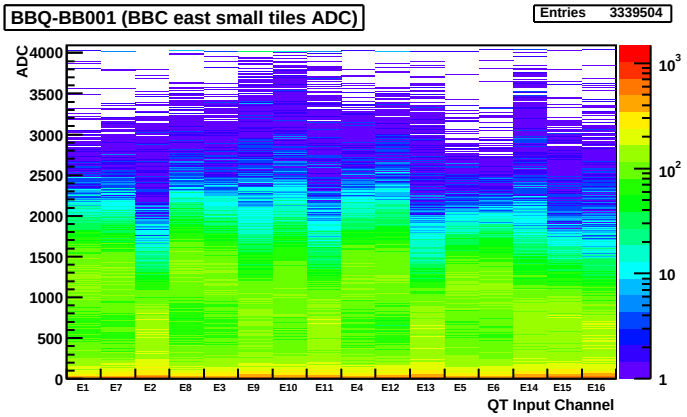

MIX-TF005
Entries 8766198
TOF MULT
TOF tray

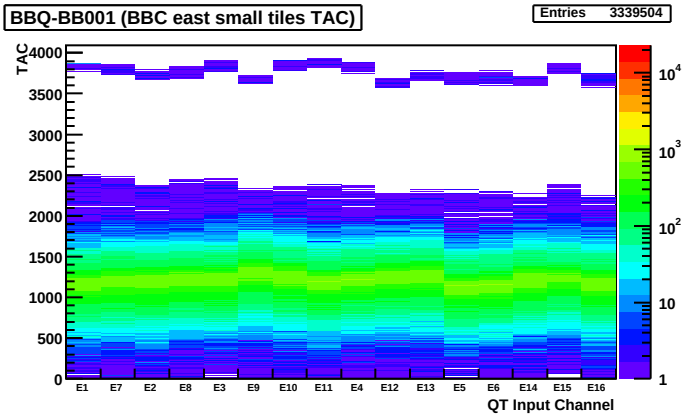

MIX-TF006
Entries 8766198
TOF MULT
TOF tray

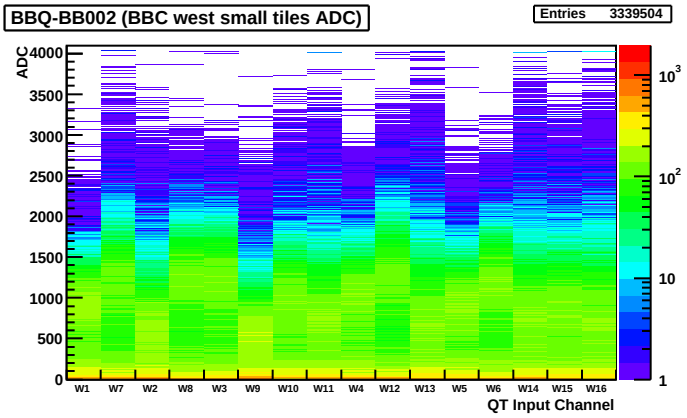

MIX-TF101
Entries 1252314
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

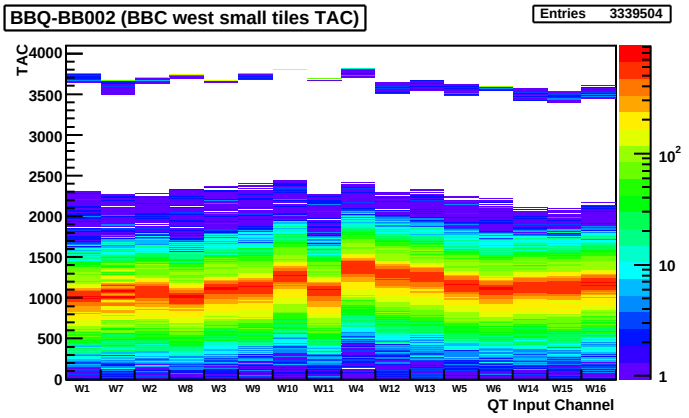

L1-TF201
Entries 208719
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

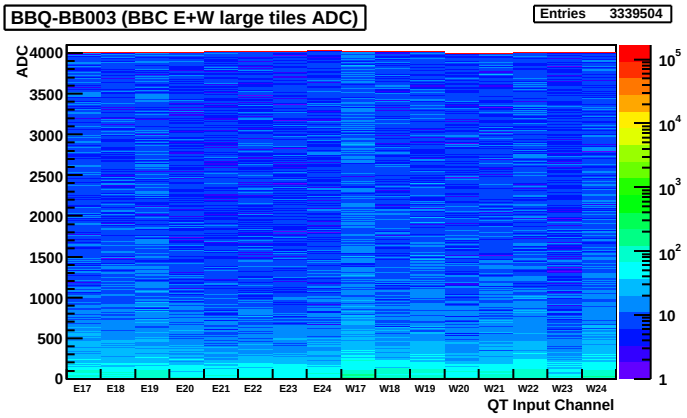

L1-TF201
Entries 1252314
Threshold bits
1
0
192662
192684
192539
192495
192232
192134
16057
16035
16180
16224
16487
16585
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

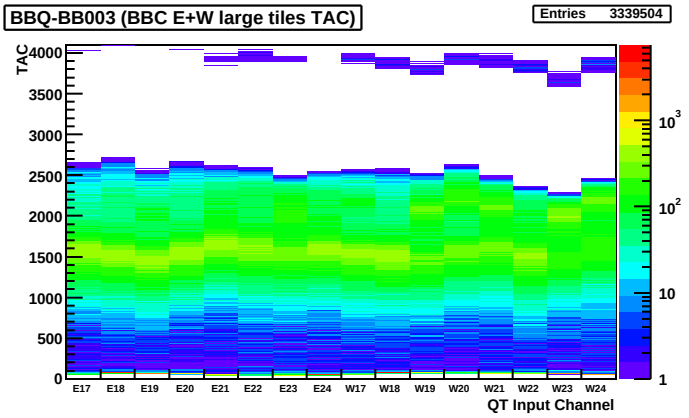

BBQ-BB001 (BBC east small tiles ADC)
Entries 3339504
ADC
QT Input Channel

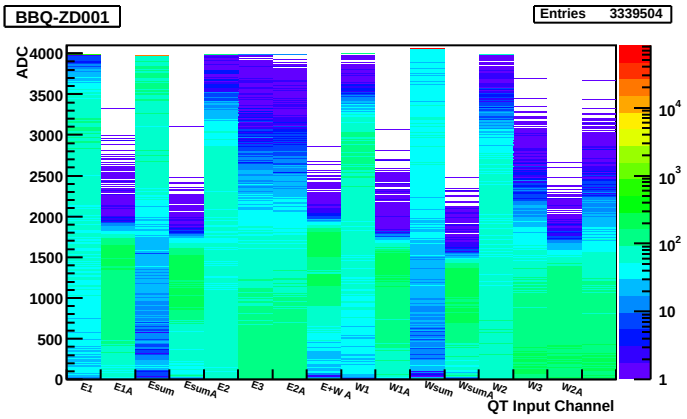

BBQ-BB001 (BBC east small tiles TAC)
Entries 3339504
TAC
QT Input Channel

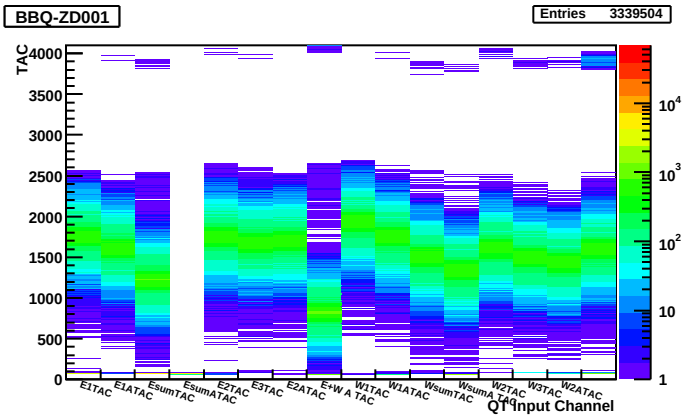

BBQ-BB002 (BBC west small tiles ADC)
Entries 3339504
ADC
QT Input Channel

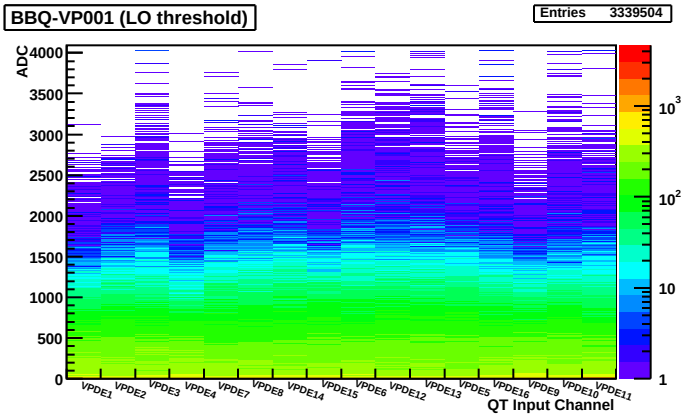

BBQ-BB002 (BBC west small tiles TAC)
Entries 3339504
TAC
QT Input Channel

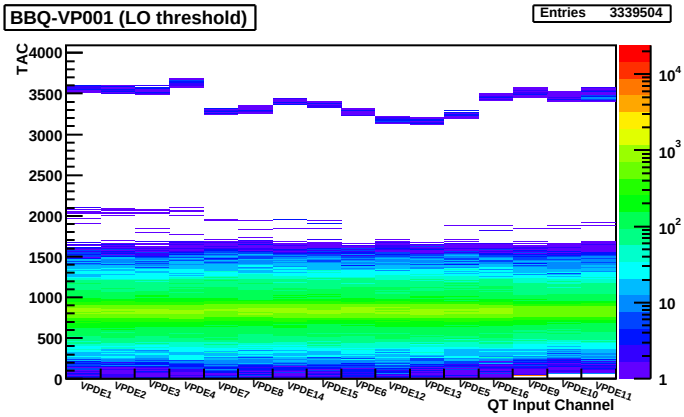

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3339504
ADC
QT Input Channel

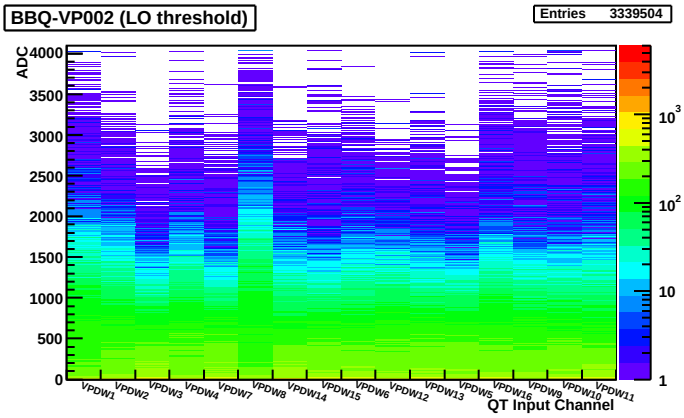

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3339504
TAC
QT Input Channel

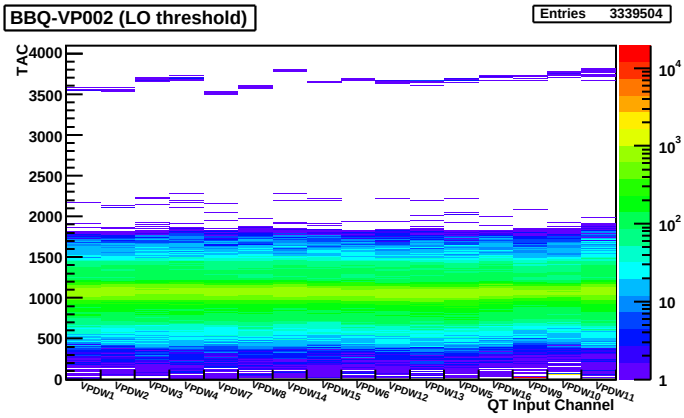

BBQ-ZD001
Entries 3339504
ADC
QT Input Channel

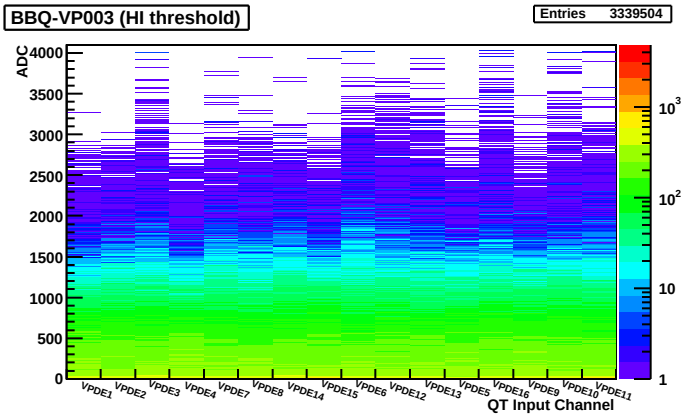

BBQ-ZD001
Entries 3339504
TAC
QT Input Channel

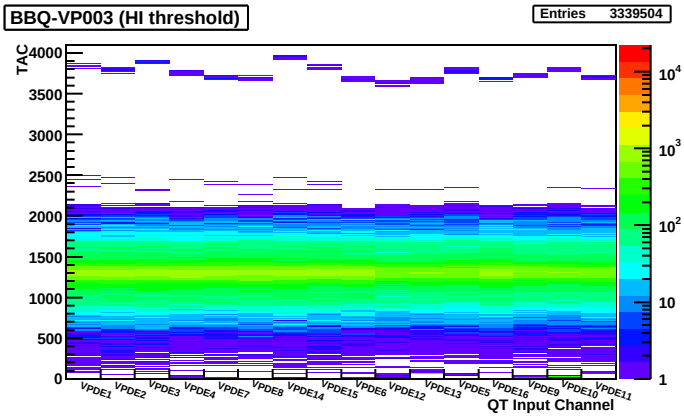

BBQ-VP001 (LO threshold)
Entries 3339504
ADC
QT Input Channel

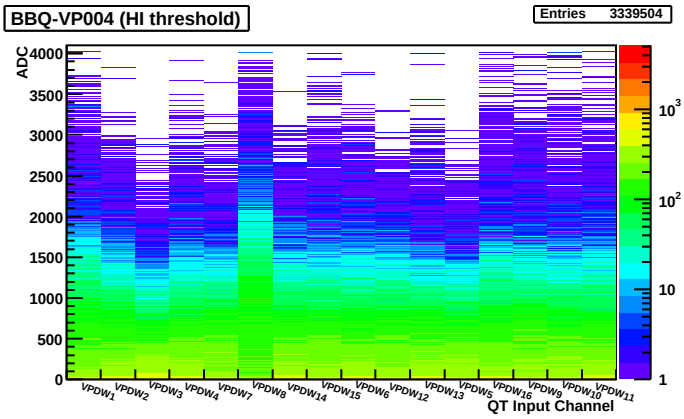

BBQ-VP001 (LO threshold)
Entries 3339504
TAC
QT Input Channel

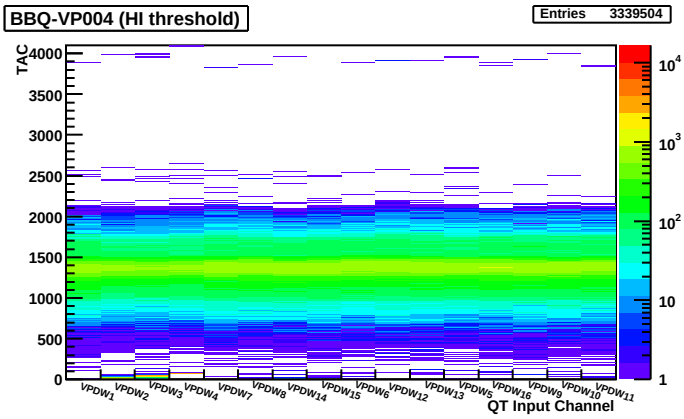

BBQ-VP002 (LO threshold)
Entries 3339504
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 3339504
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3339504
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3339504
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3339504
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3339504
TAC
QT Input Channel