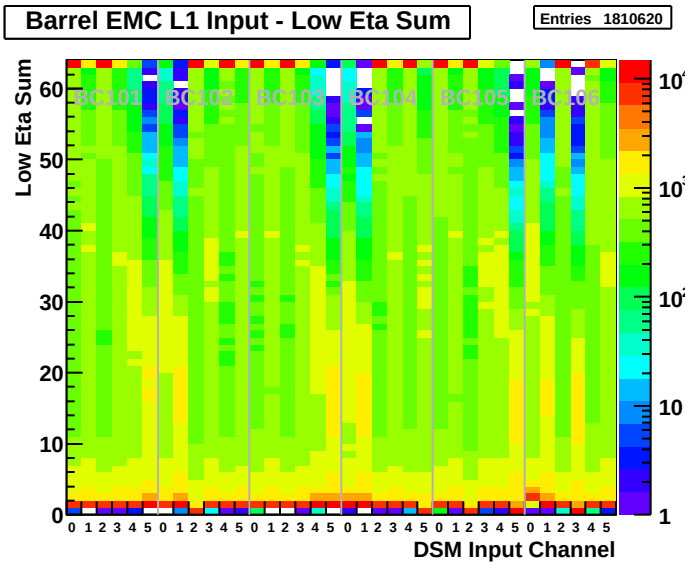
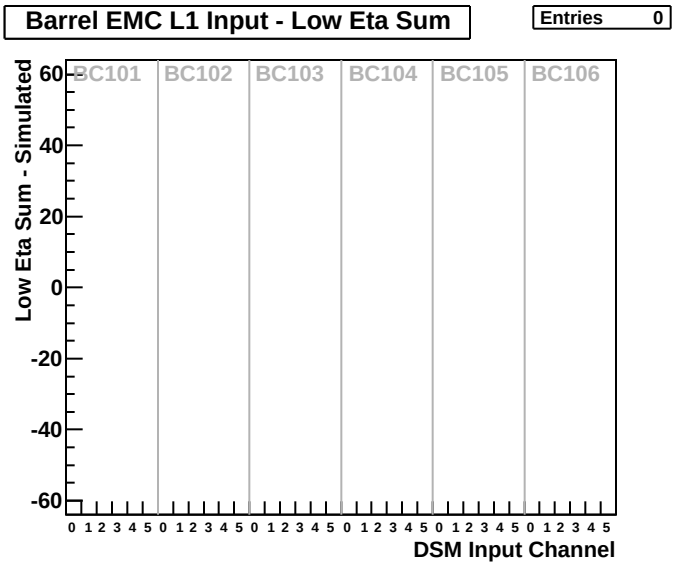
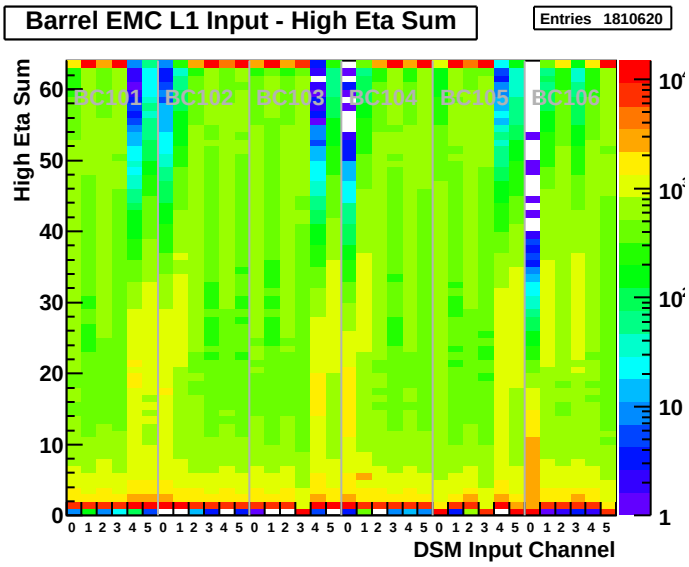
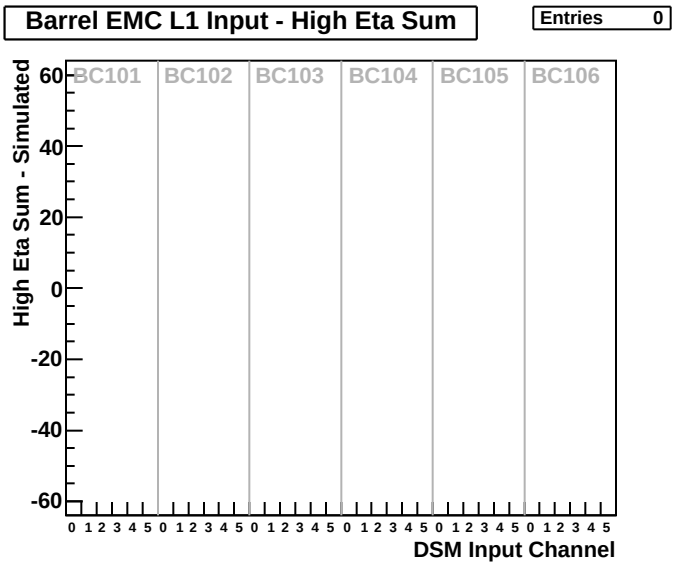
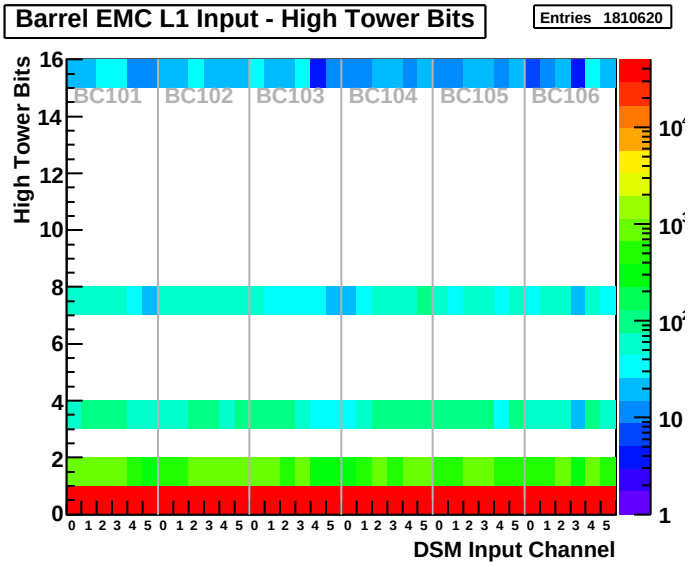
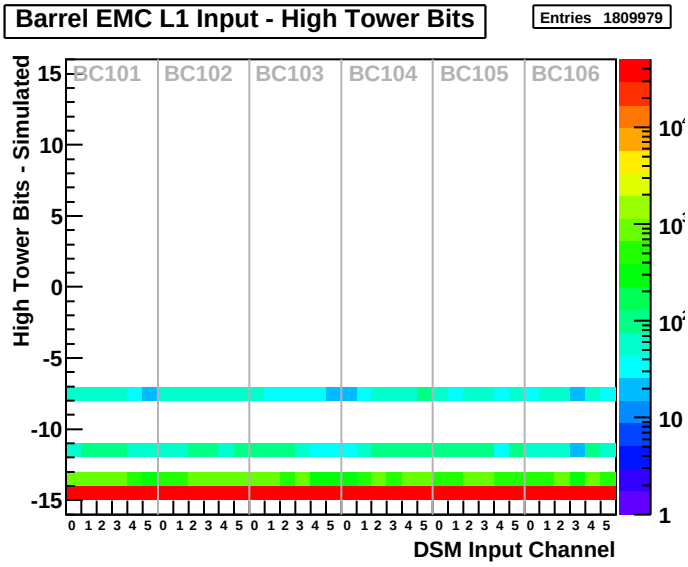

Barrel EMC L1 Input - Low Eta Sum
Entries 1810620
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

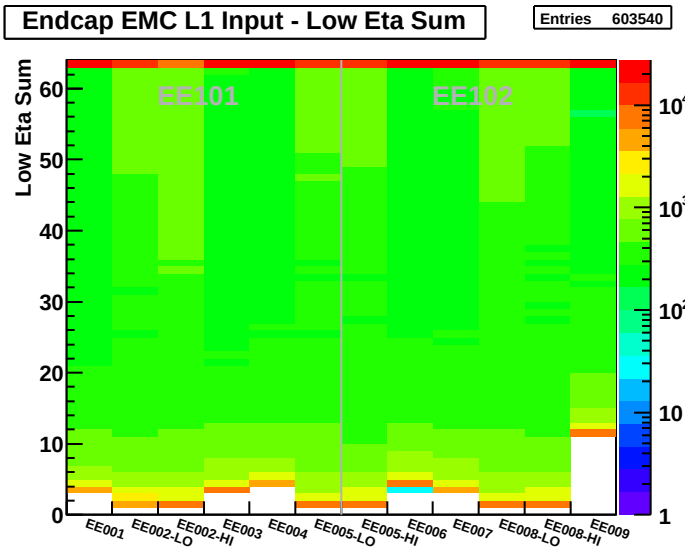

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

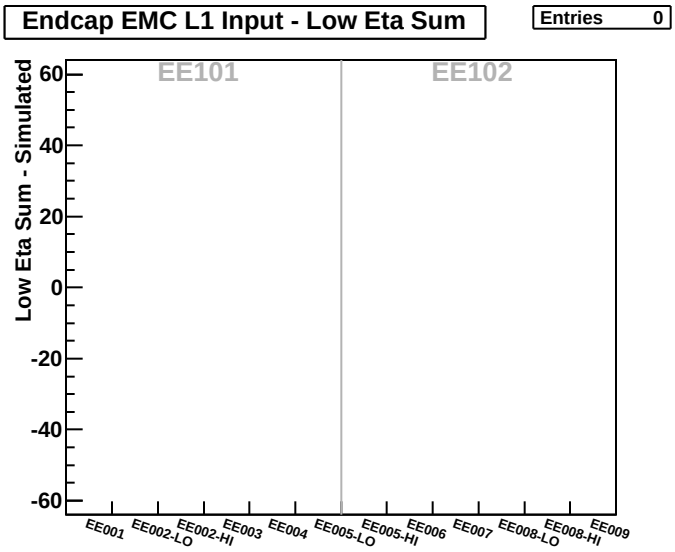

Barrel EMC L1 Input - High Eta Sum
Entries 1810620
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

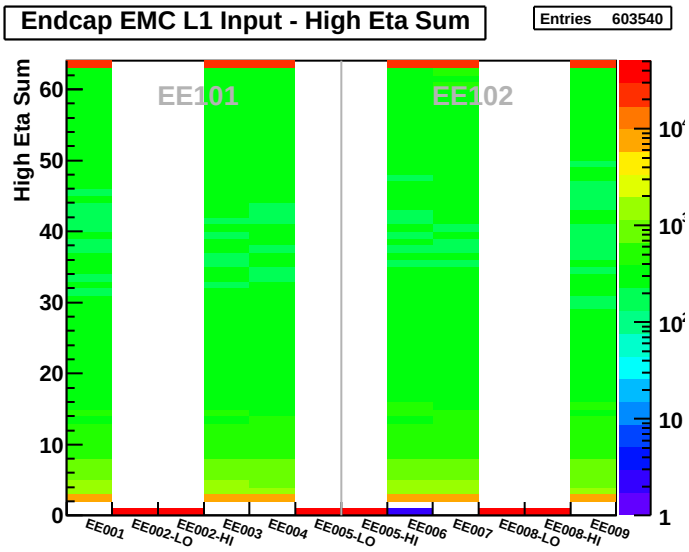

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

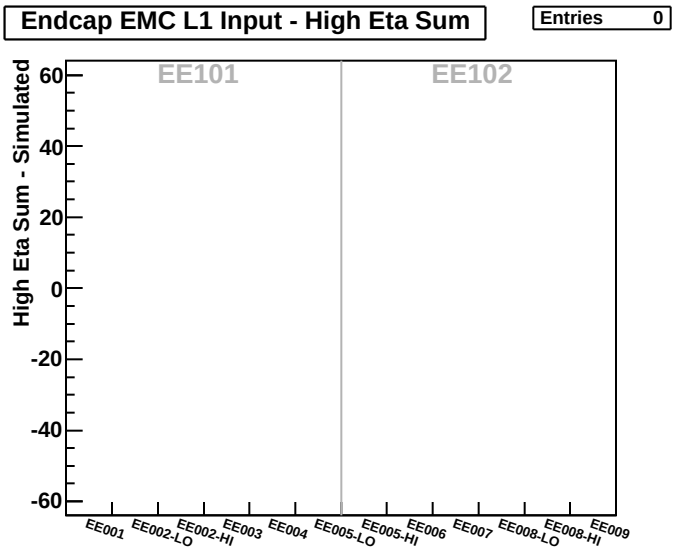

Barrel EMC L1 Input - High Tower Bits
Entries 1810620
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

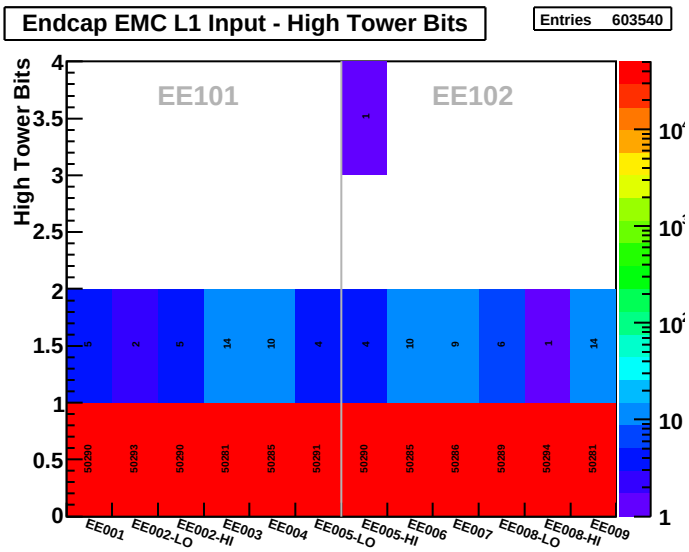

Barrel EMC L1 Input - High Tower Bits
Entries 1809979
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

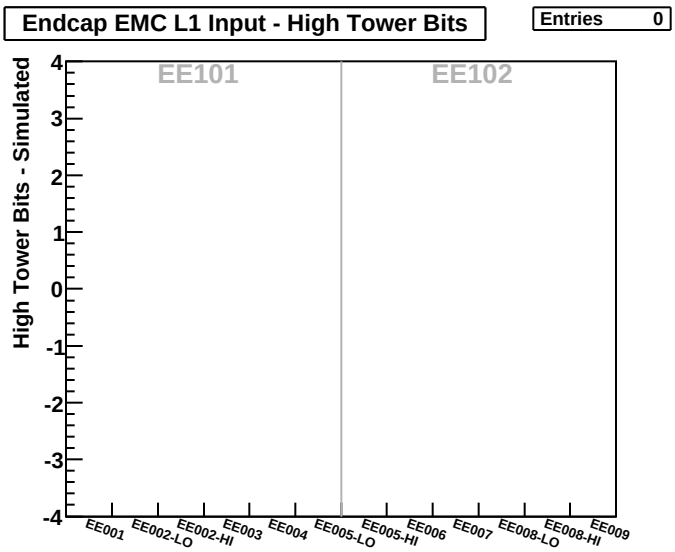

Endcap EMC L1 Input - Low Eta Sum
Entries 603540
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

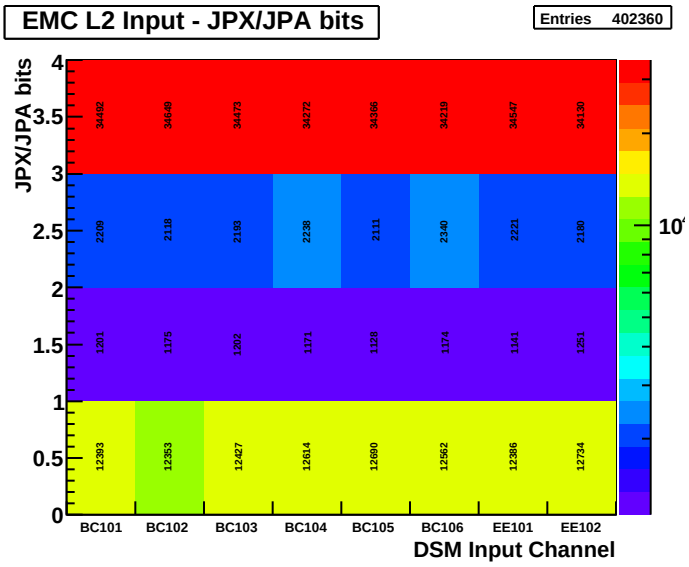

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

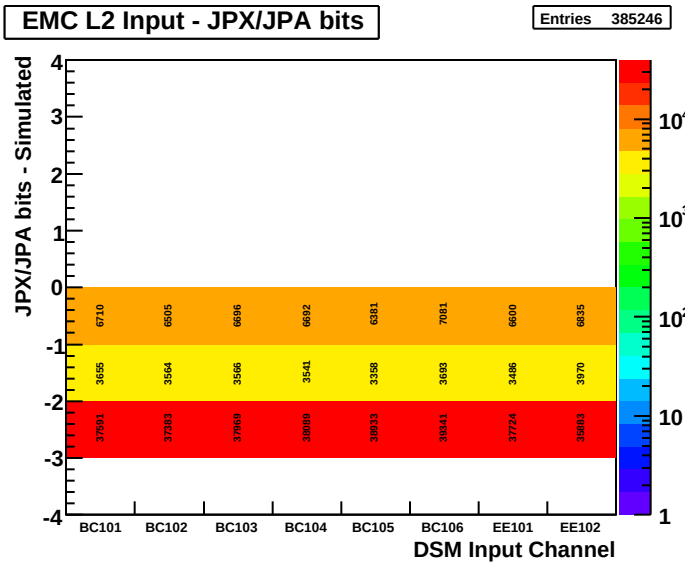

Endcap EMC L1 Input - High Eta Sum
Entries 603540
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

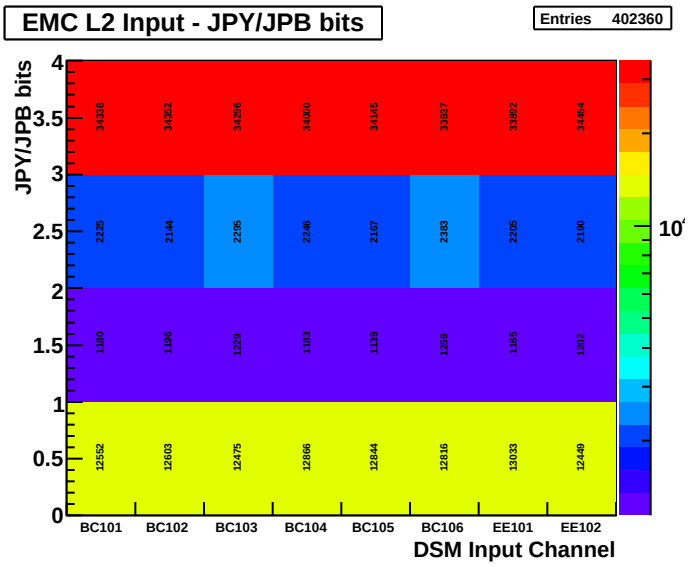

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

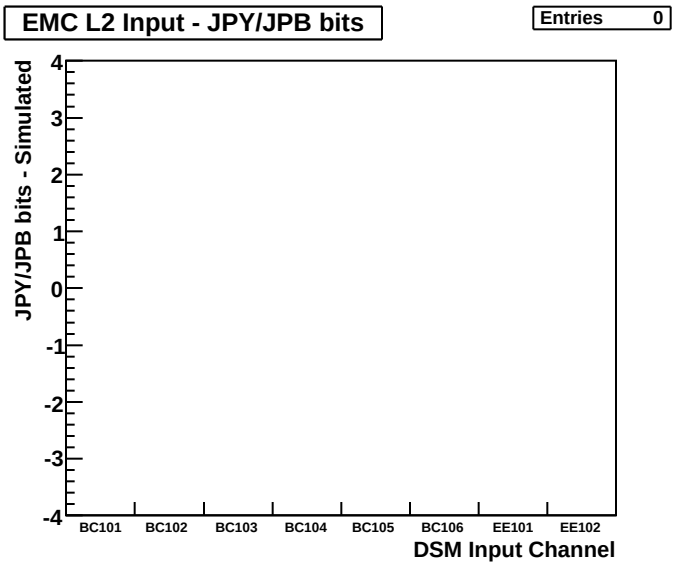

Endcap EMC L1 Input - High Tower Bits
Entries 603540
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

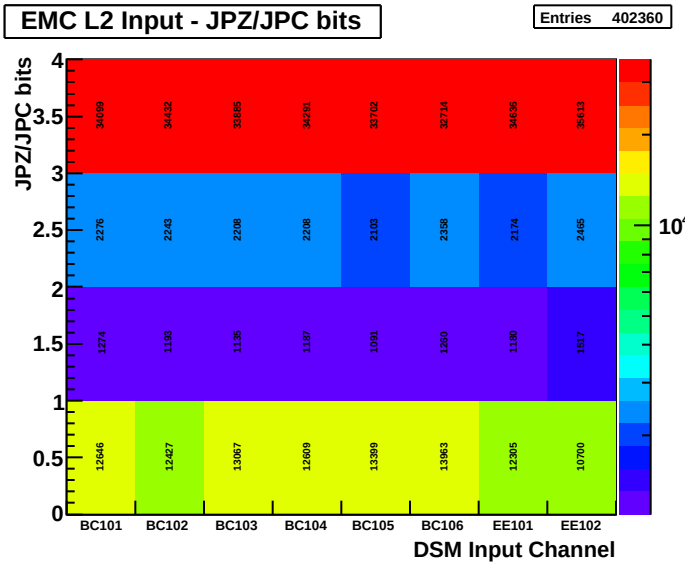

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

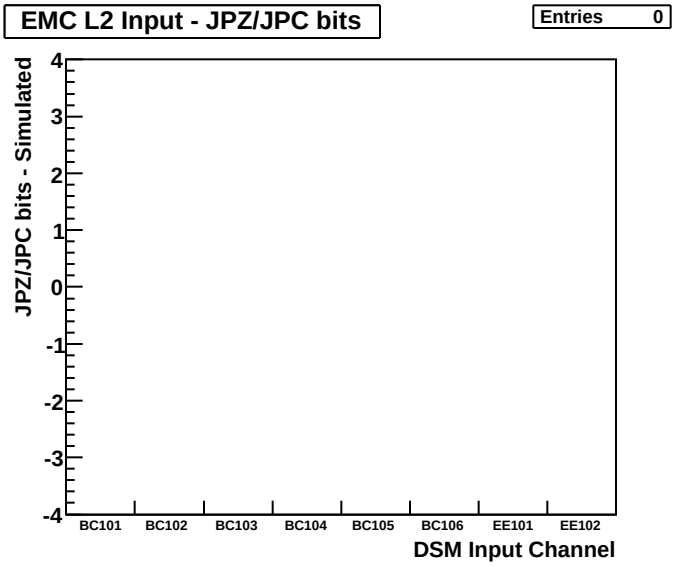

EMC L2 Input - JPX/JPA bits
Entries 402360
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
34492 34649 34473 34272 34366 34219 34547 34130
2209 2118 2193 2238 2111 2340 2221 2180
1201 1375 1202 1371 1128 1174 1141 1251
12393 12353 12427 12614 12690 12562 12386 12734

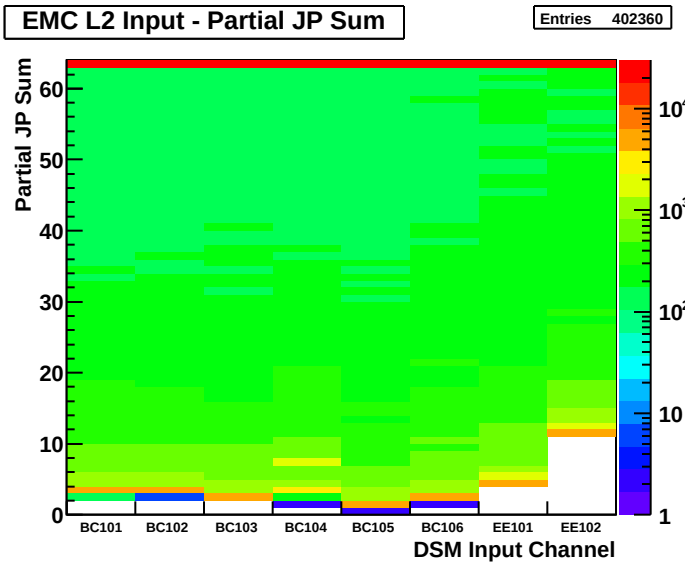

EMC L2 Input - JPX/JPA bits
Entries 385246
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
6710 6505 6696 6692 6381 7081 6600 6835
3655 3564 3566 3541 3358 3693 3486 3970
37591 37383 37969 38089 38033 38341 37724 38883

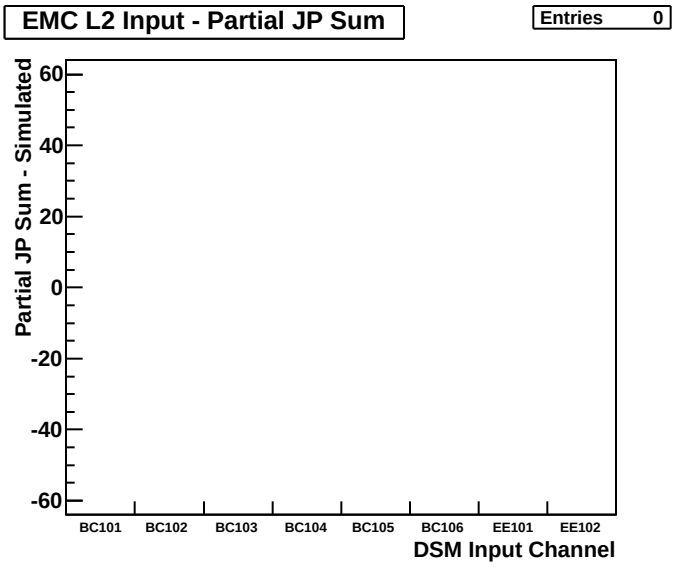

EMC L2 Input - JPY/JPB bits
Entries 402360
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
34338 34352 34286 34000 34145 33837 33882 34454
2225 2144 2205 2246 2167 2383 2205 2190
1180 1196 1229 1183 1139 1259 1165 1202
12552 12603 12475 12866 12844 12816 13033 12440

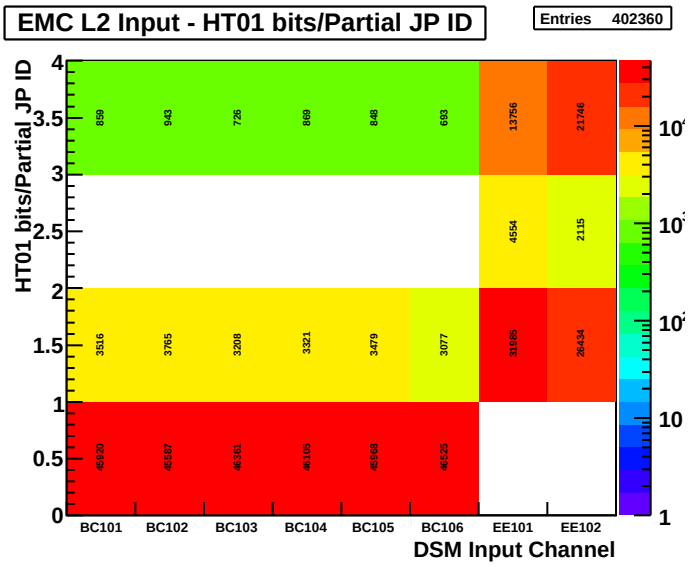

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

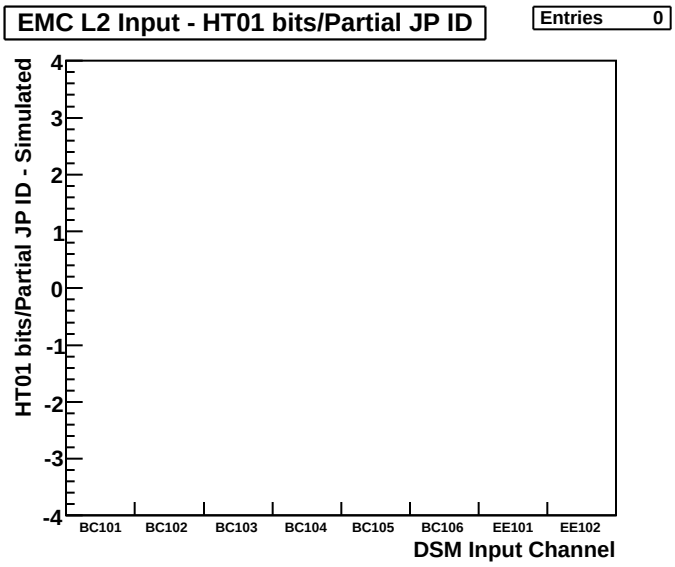

EMC L2 Input - JPZ/JPC bits
Entries 402360
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
34099 34432 33885 34291 33702 32714 34636 35613
2276 2243 2208 2208 2103 2358 2174 2465
1274 1193 1135 1187 1091 1260 1190 1517
12646 12427 13067 12609 13399 13963 12305 10700

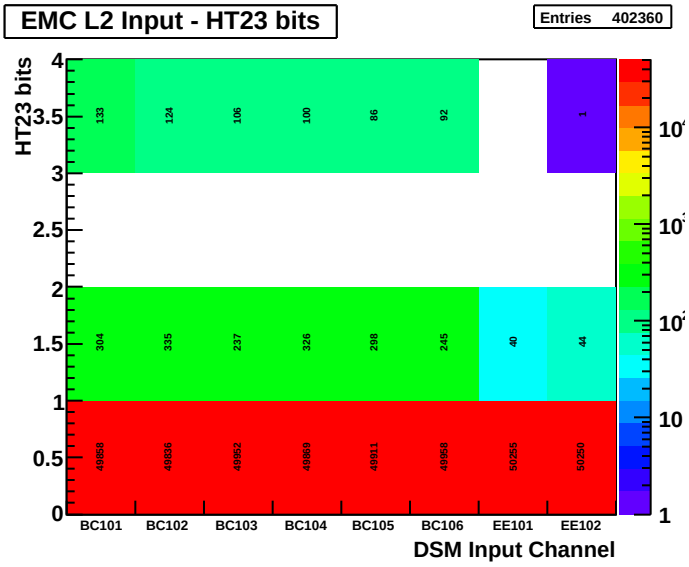

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

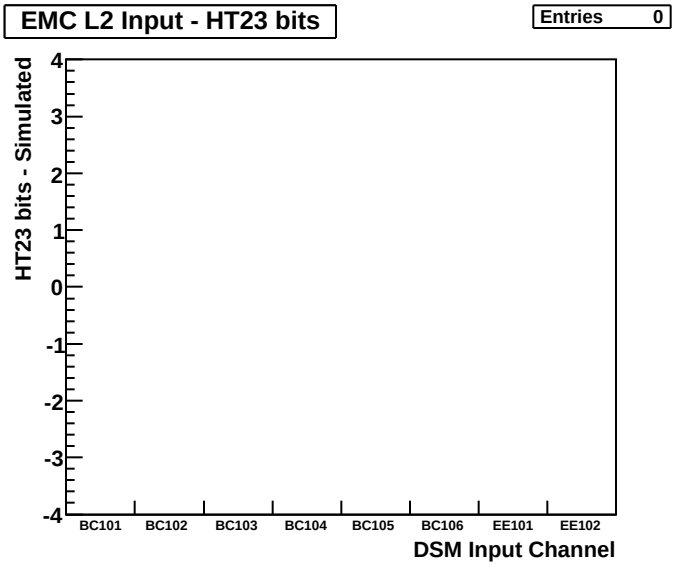

EMC L2 Input - Partial JP Sum
Entries 402360
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

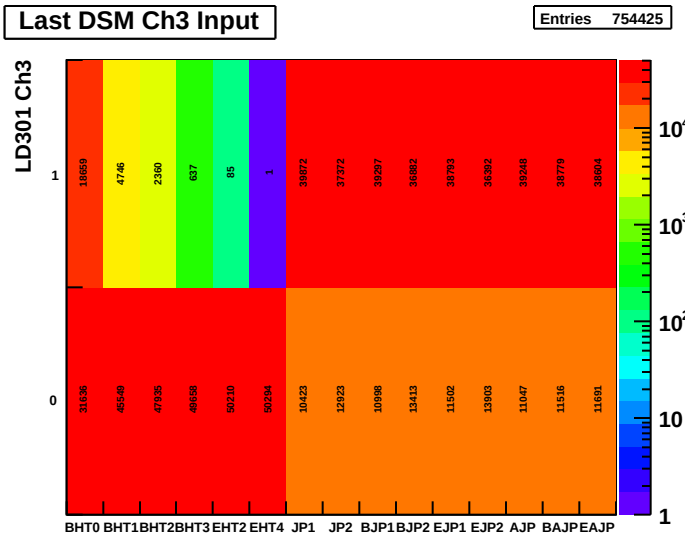

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

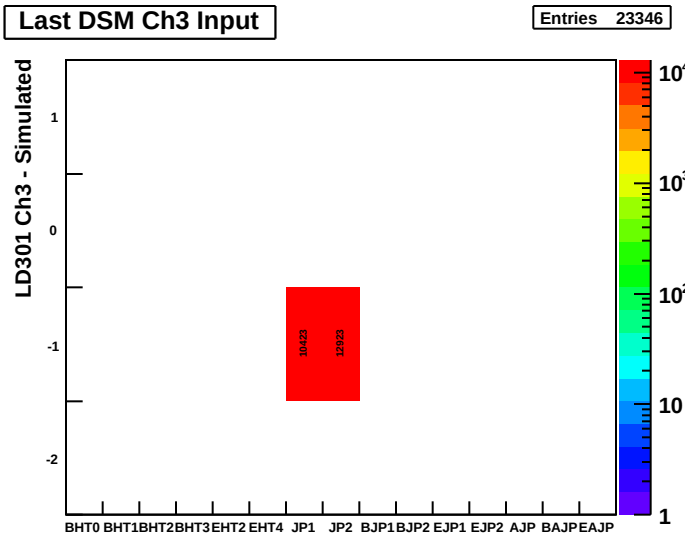

EMC L2 Input - HT01 bits/Partial JP ID
Entries 402360
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

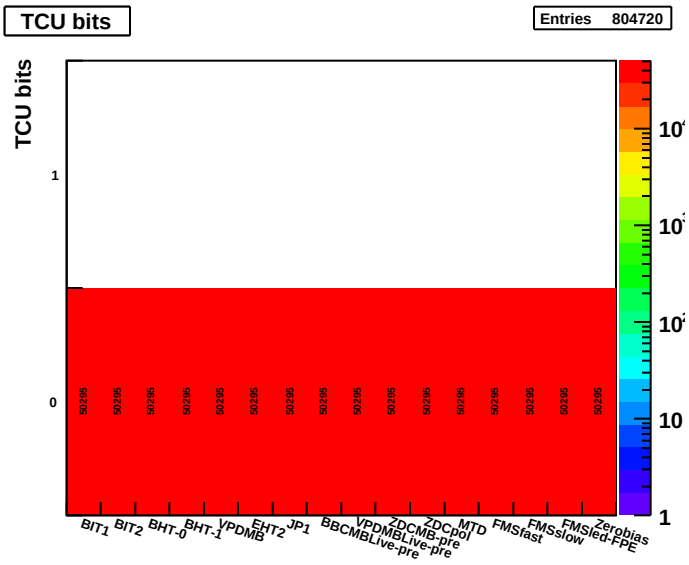

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

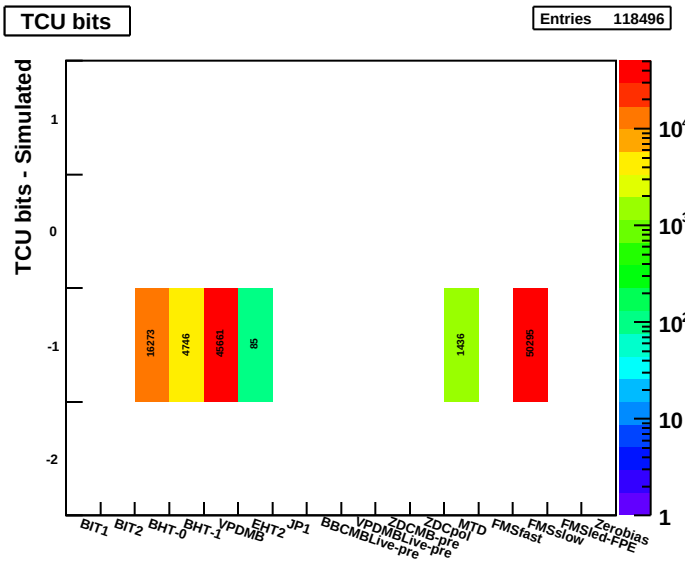

EMC L2 Input - HT23 bits
Entries 402360
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

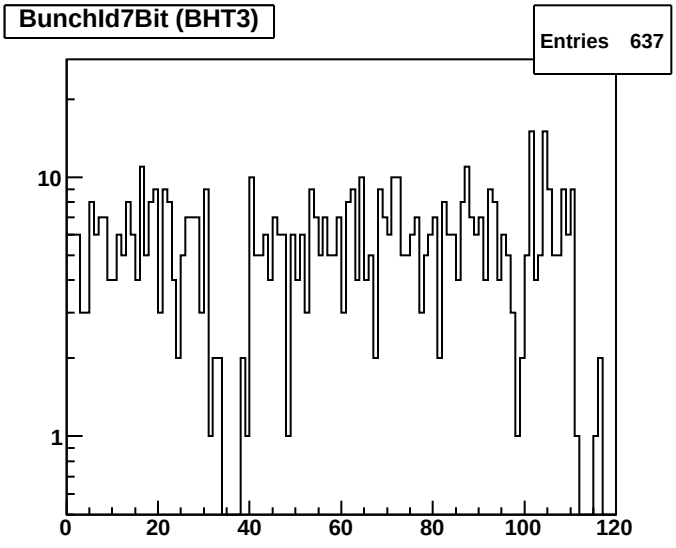

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

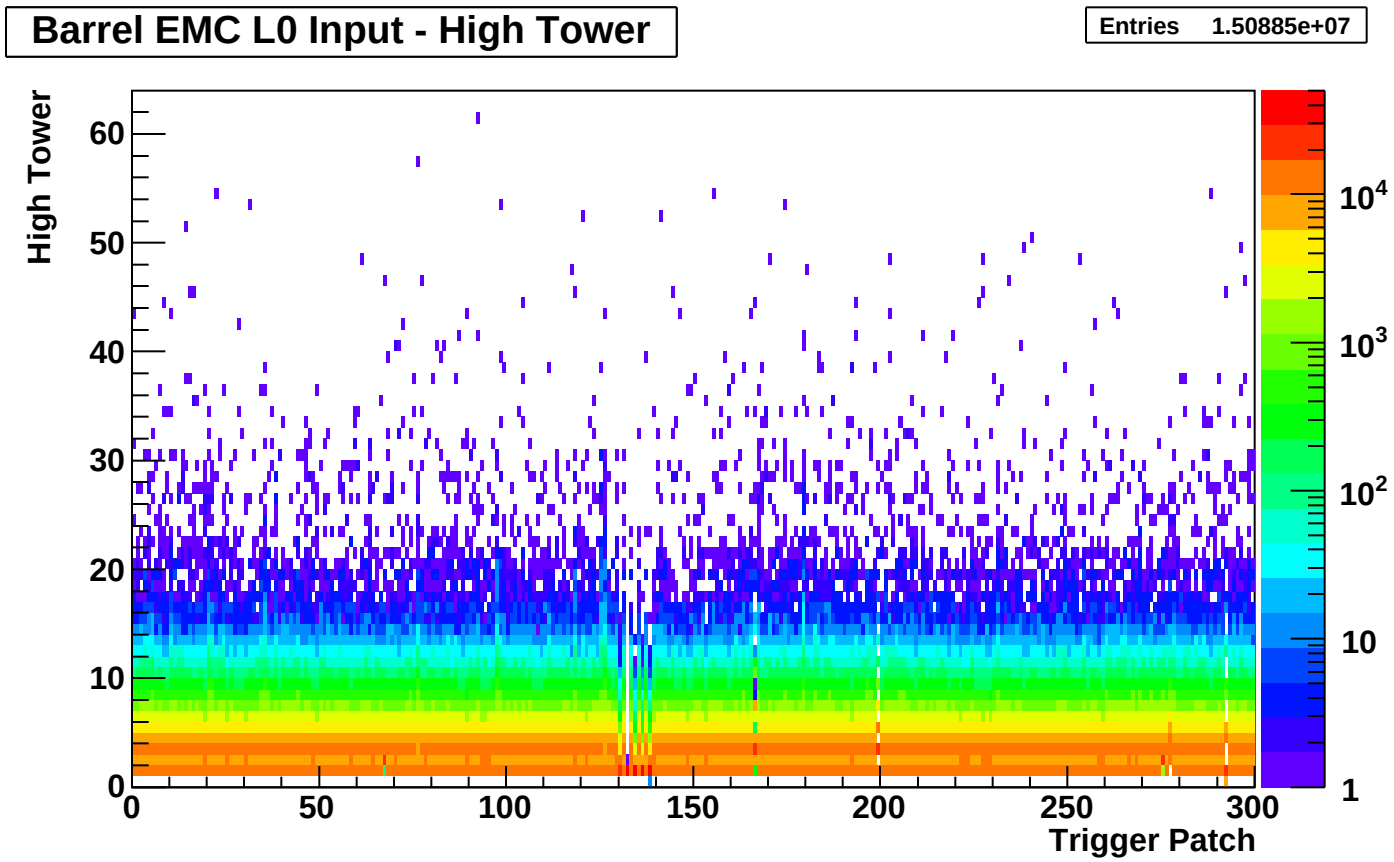

Last DSM Ch3 Input
Entries 754425
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

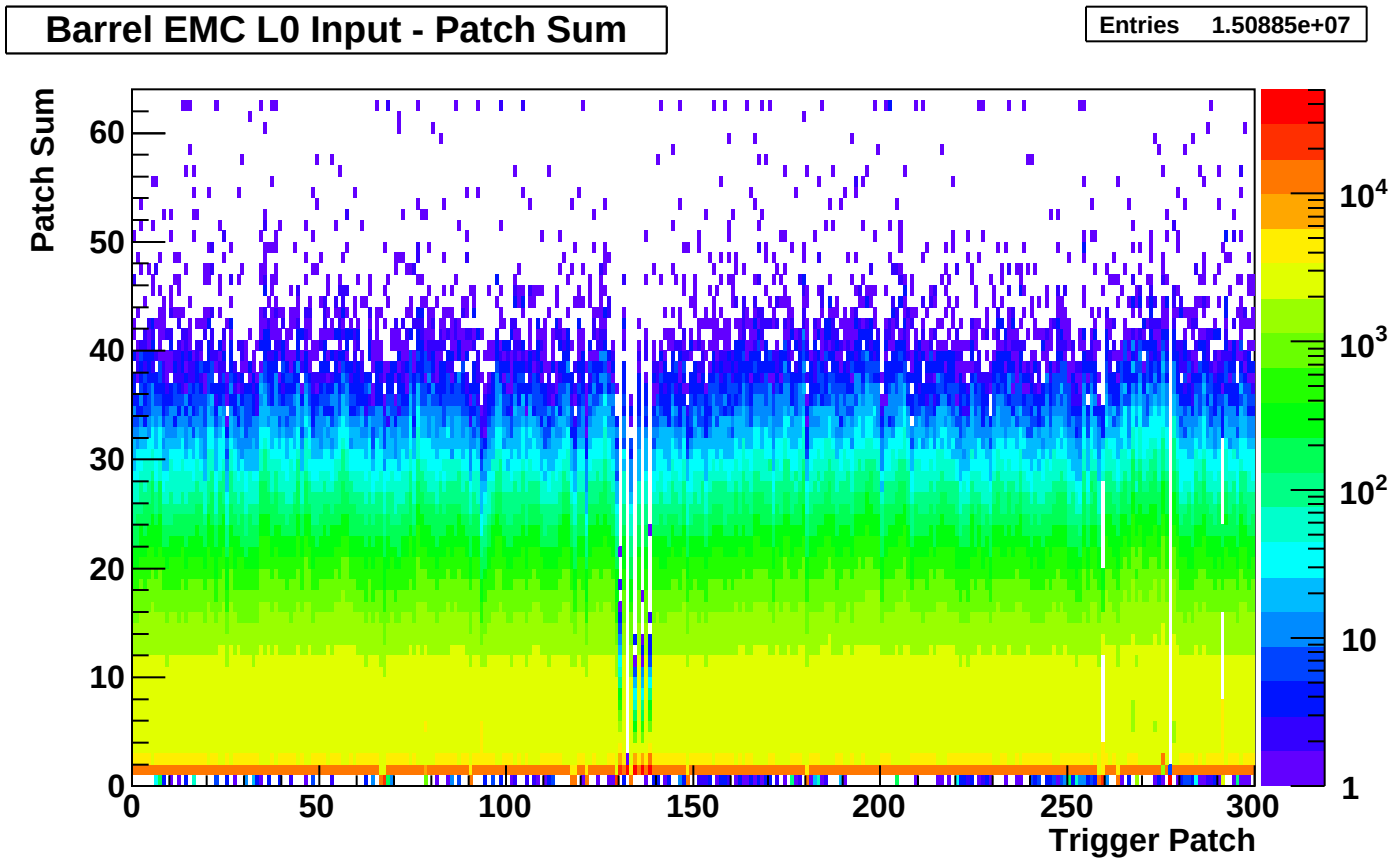

Last DSM Ch3 Input
Entries 23346
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

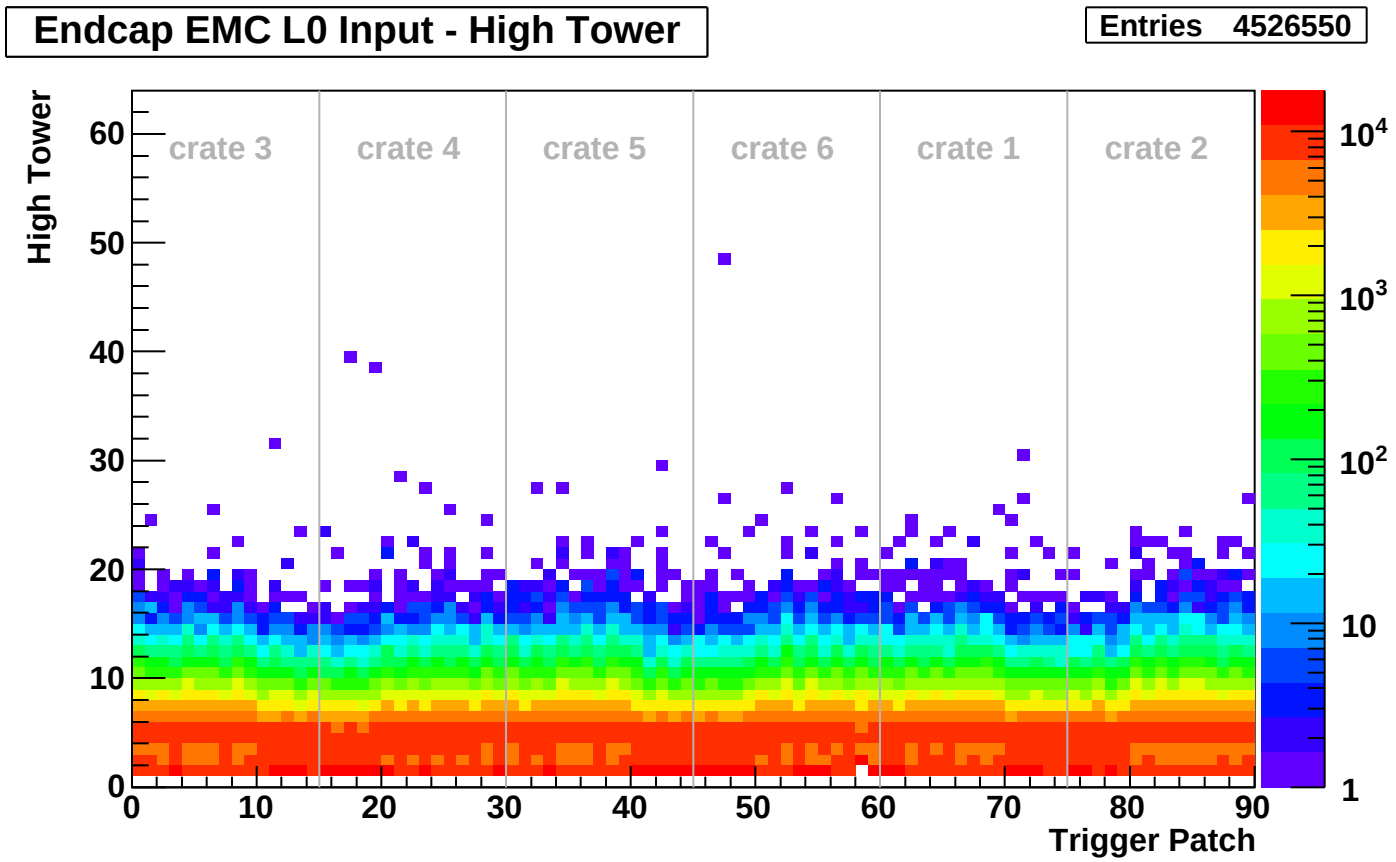

TCU bits
Entries 804720
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

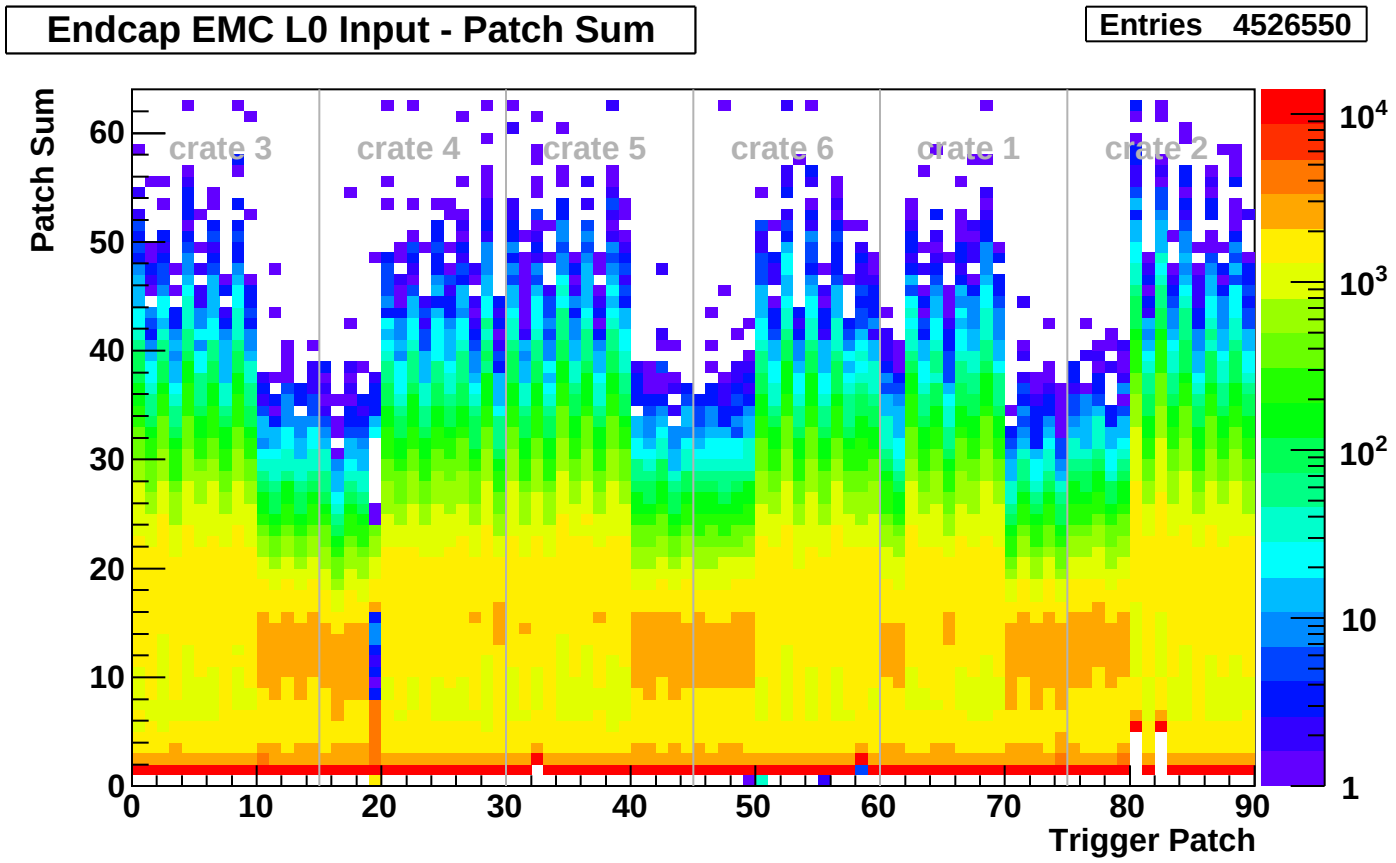

TCU bits
Entries 118496
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

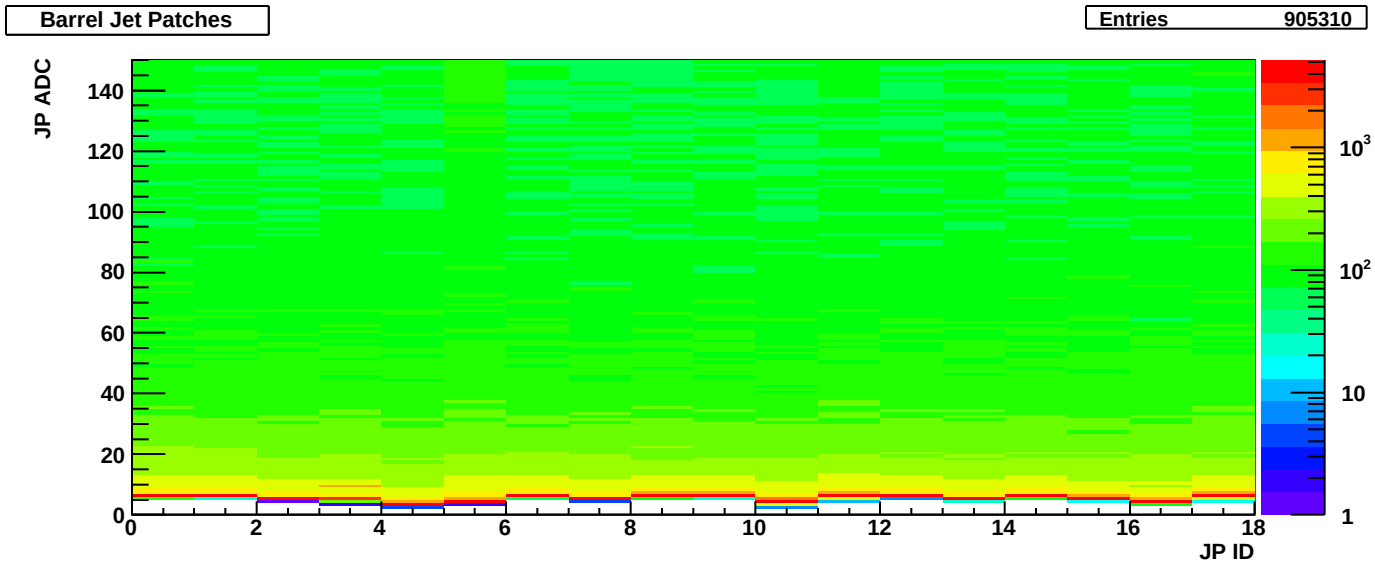

BunchId7Bit (BHT3)
Entries 637

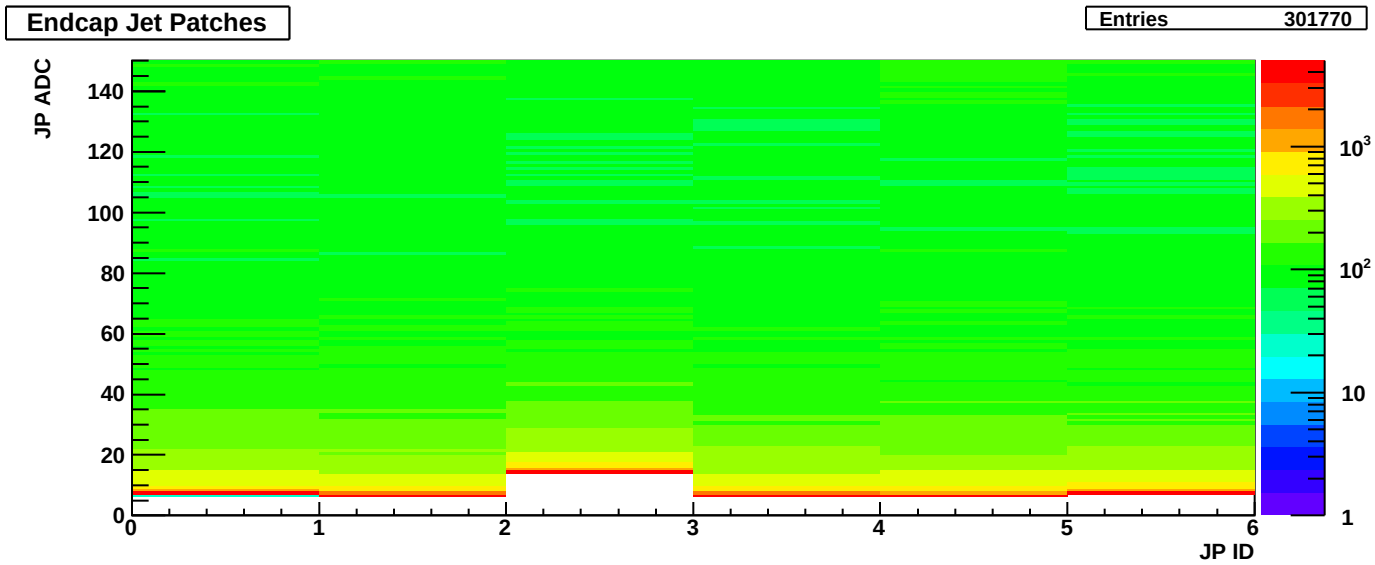

Barrel EMC L0 Input - High Tower
Entries 1.50885e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

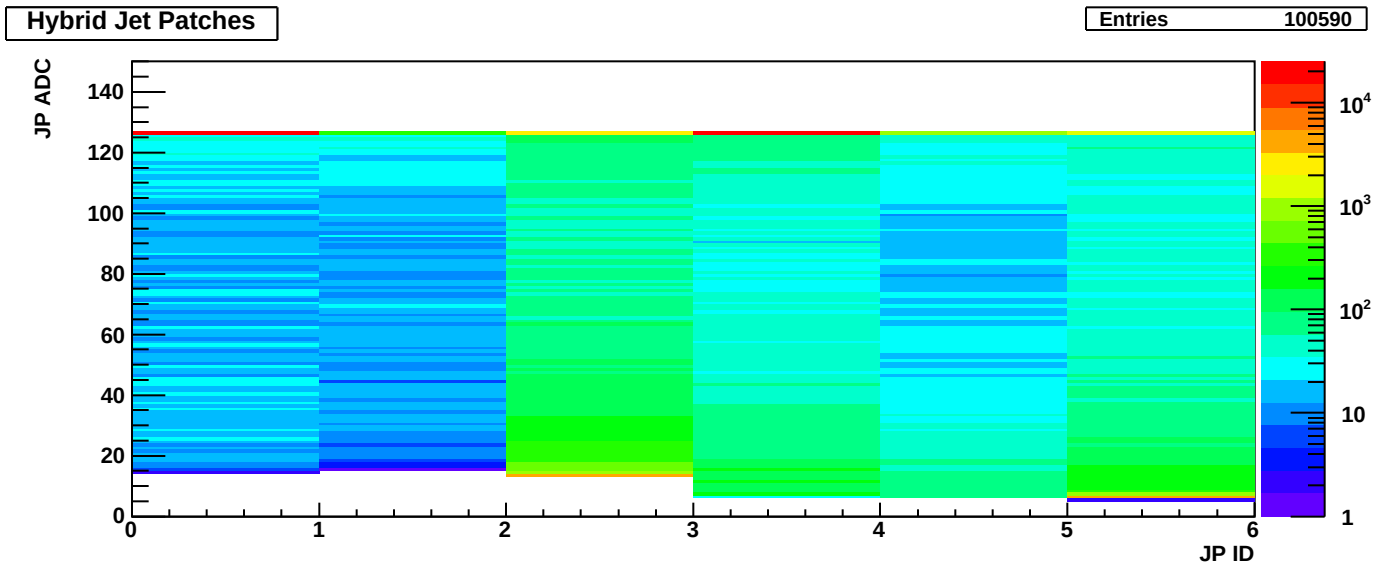

Barrel EMC L0 Input - Patch Sum
Entries 1.50885e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

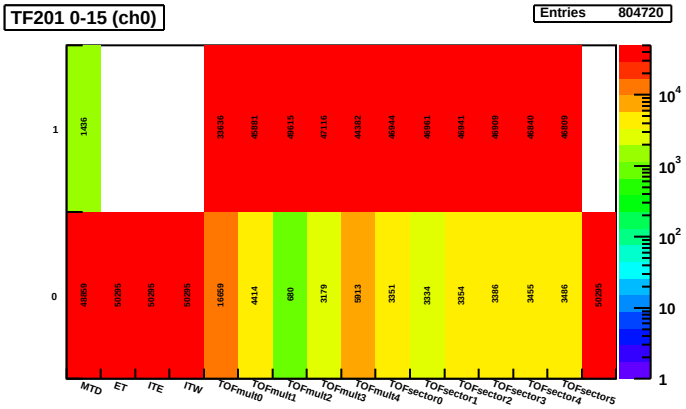

Endcap EMC L0 Input - High Tower
Entries 4526550
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

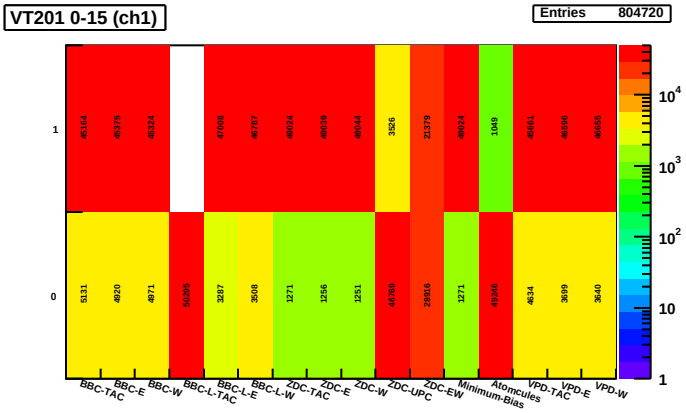

Endcap EMC L0 Input - Patch Sum
Entries 4526550
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

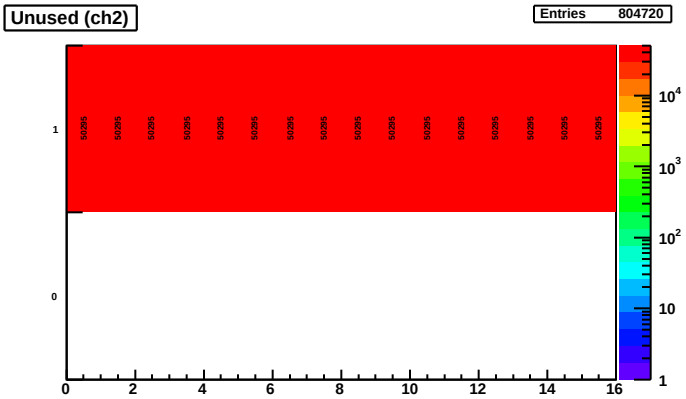

Barrel Jet Patches
Entries 905310
JP ADC
JP ID

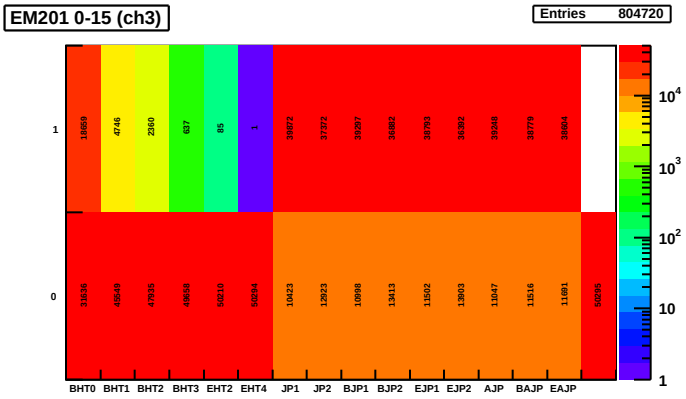

Endcap Jet Patches
Entries 301770
JP ADC
JP ID

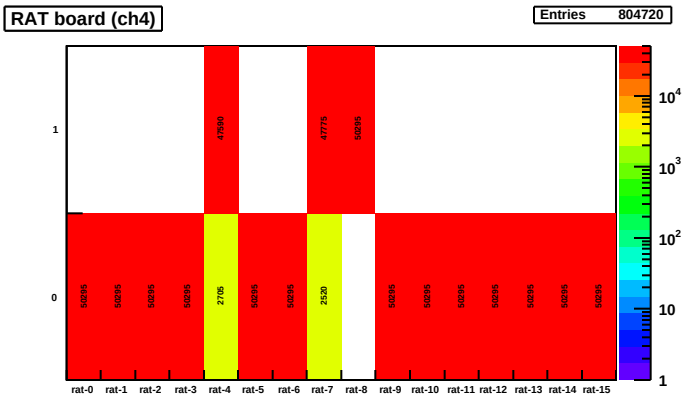

Hybrid Jet Patches
Entries 100590
JP ADC
JP ID

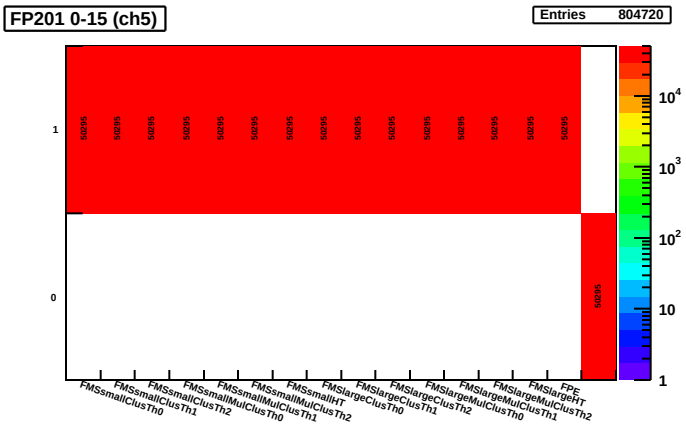

TF201 0-15 (ch0)
Entries 804720
1486
33636 45881 49615 47116 44382 46944 46961 46941 46909 46940 46909
48859 50295 50295 50295 16569 4414 680 3179 5913 3351 3334 3354 3386 3455 3486 50295
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

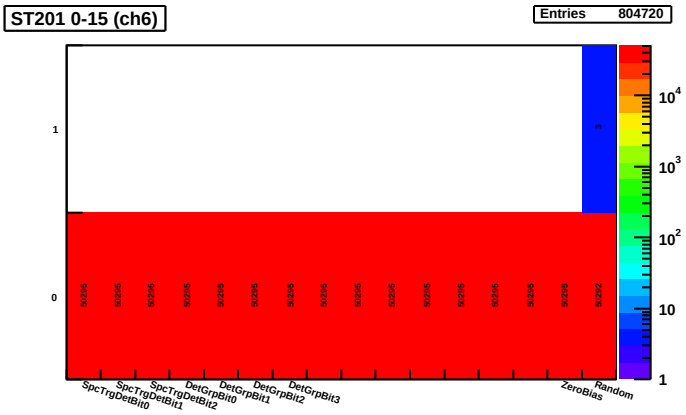

VT201 0-15 (ch1)
Entries 804720
45164 45375 45324 47008 46787 49024 49039 49044 3526 21379 49024 1049 45661 46596 46655
5131 4920 4971 50295 3287 3508 1271 1256 1251 46769 28916 1271 49246 4634 3699 3640
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

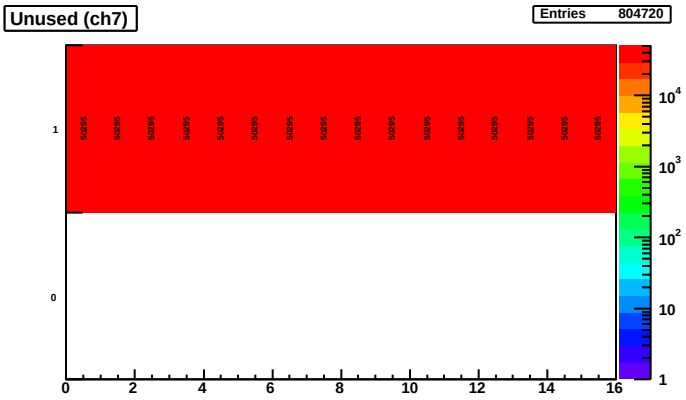

Unused (ch2)
Entries 804720
50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295

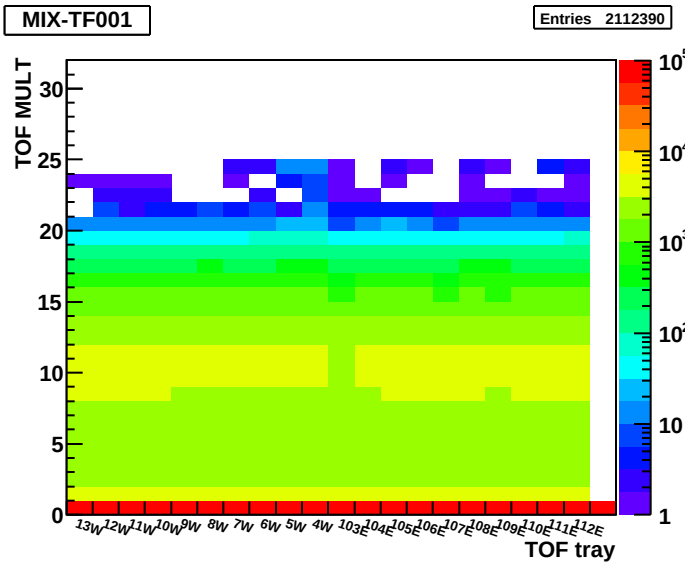

EM201 0-15 (ch3)
Entries 804720
18659 4746 2360 637 85 1 38872 37372 38297 36882 38793 36392 39248 38779 36604
31636 45549 47935 49658 50210 50294 10423 12923 10998 13413 11502 13903 11047 11516 11691 50295
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

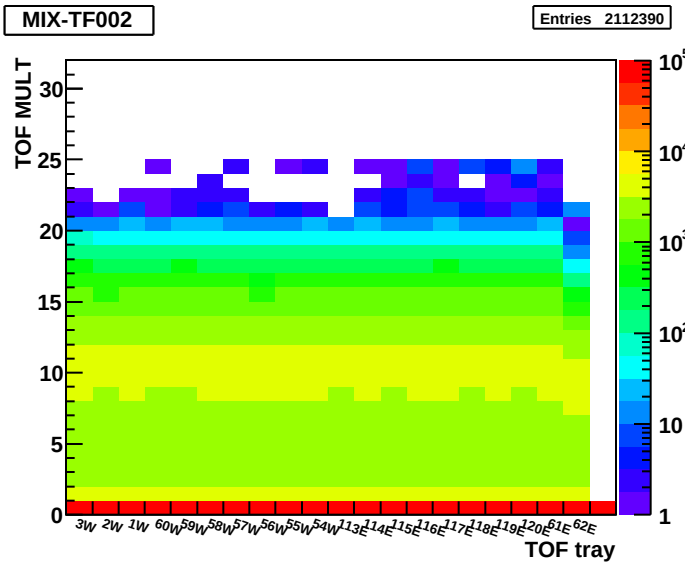

RAT board (ch4)
Entries 804720
47500 47775 50295
50295 50295 50295 50295 2705 50295 50295 2520 50295 50295 50295 50295 50295 50295 50295
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

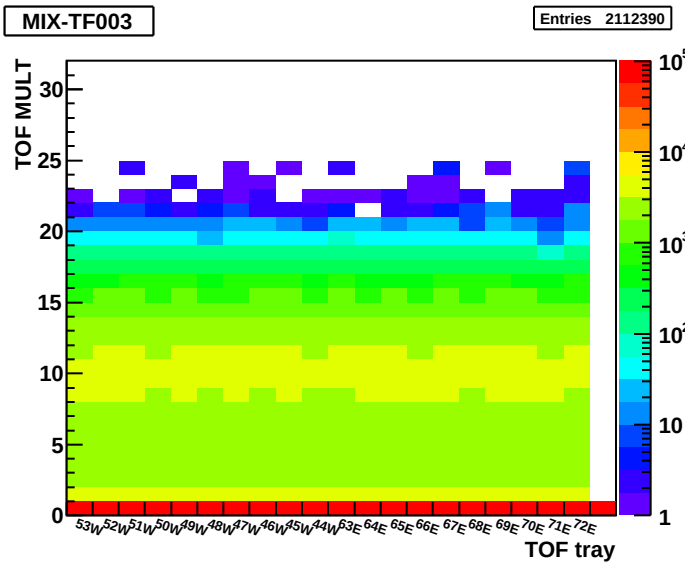

FP201 0-15 (ch5)
Entries 804720
50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295
50295
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

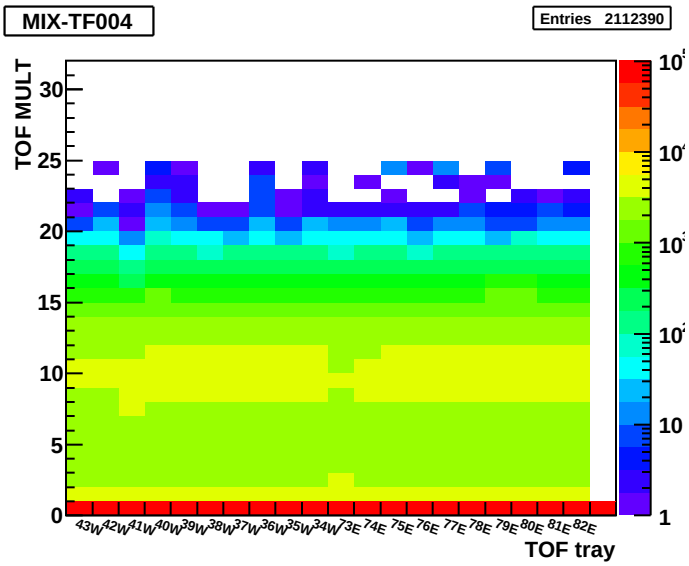

ST201 0-15 (ch6)
Entries 804720
3
50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50292
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

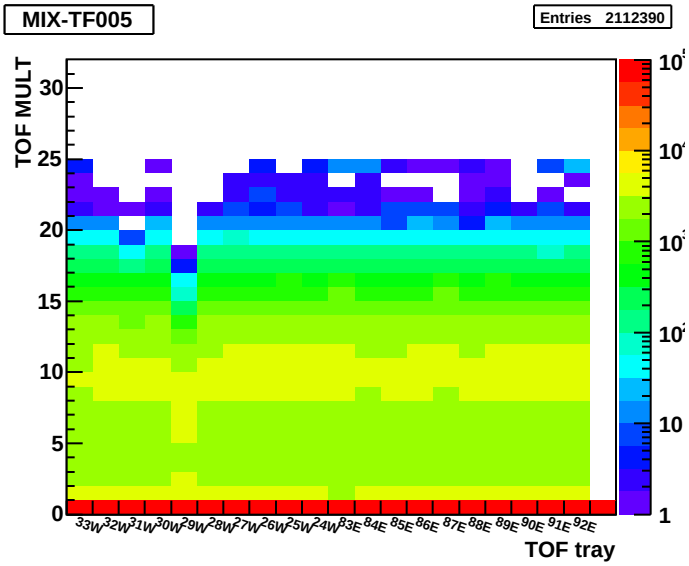

Unused (ch7)
Entries 804720
50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295 50295

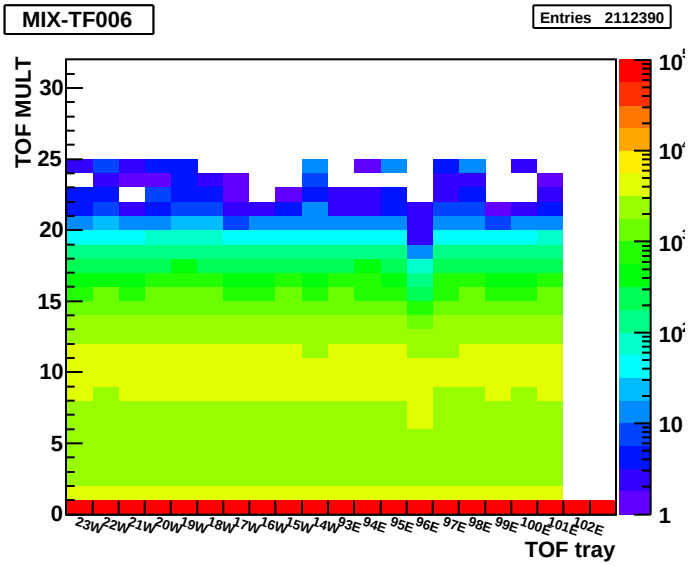

MIX-TF001
Entries 2112390
TOF MULT
TOF tray

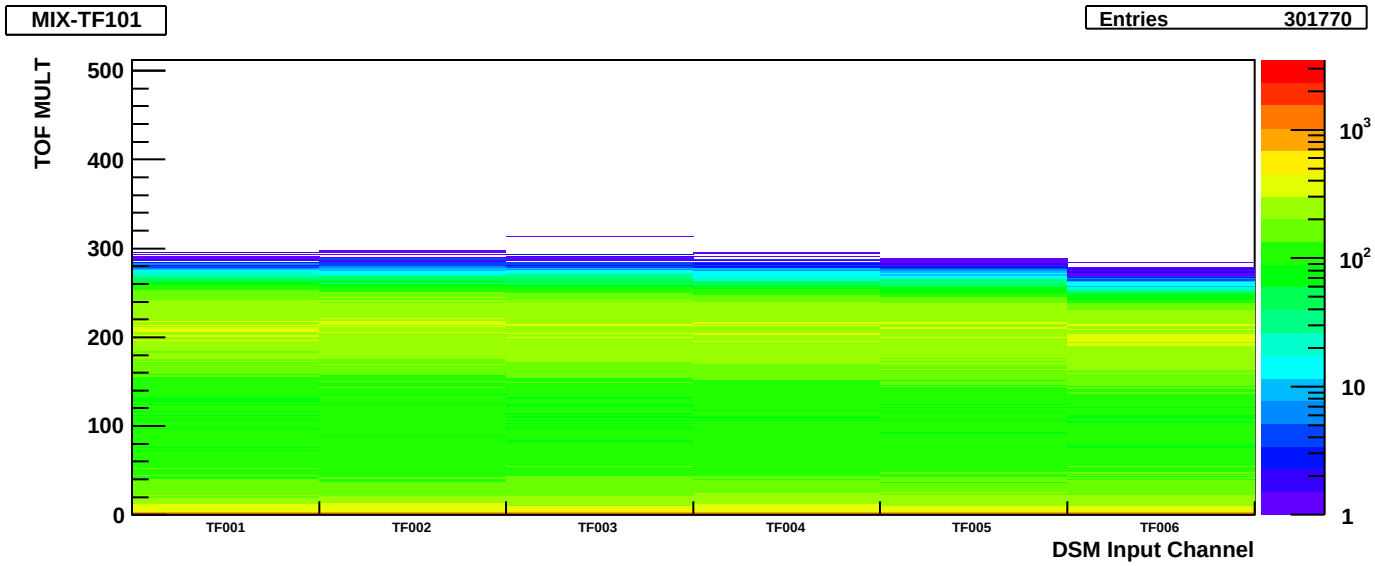

MIX-TF002
Entries 2112390
TOF MULT
TOF tray

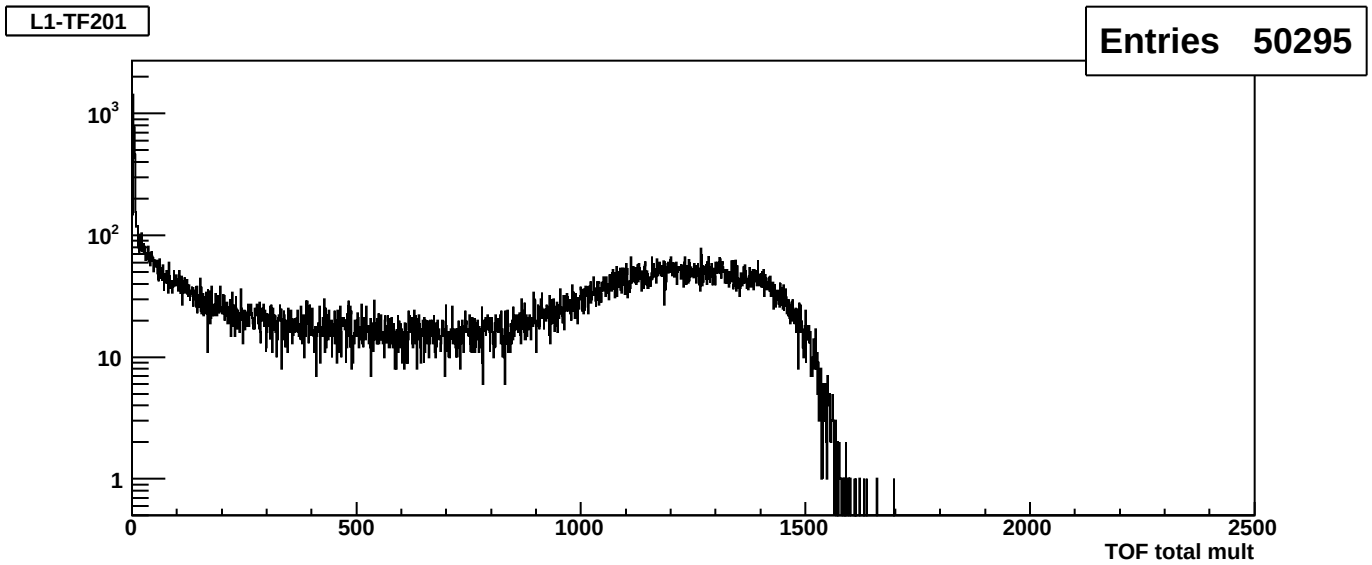

MIX-TF003
Entries 2112390
TOF MULT
TOF tray

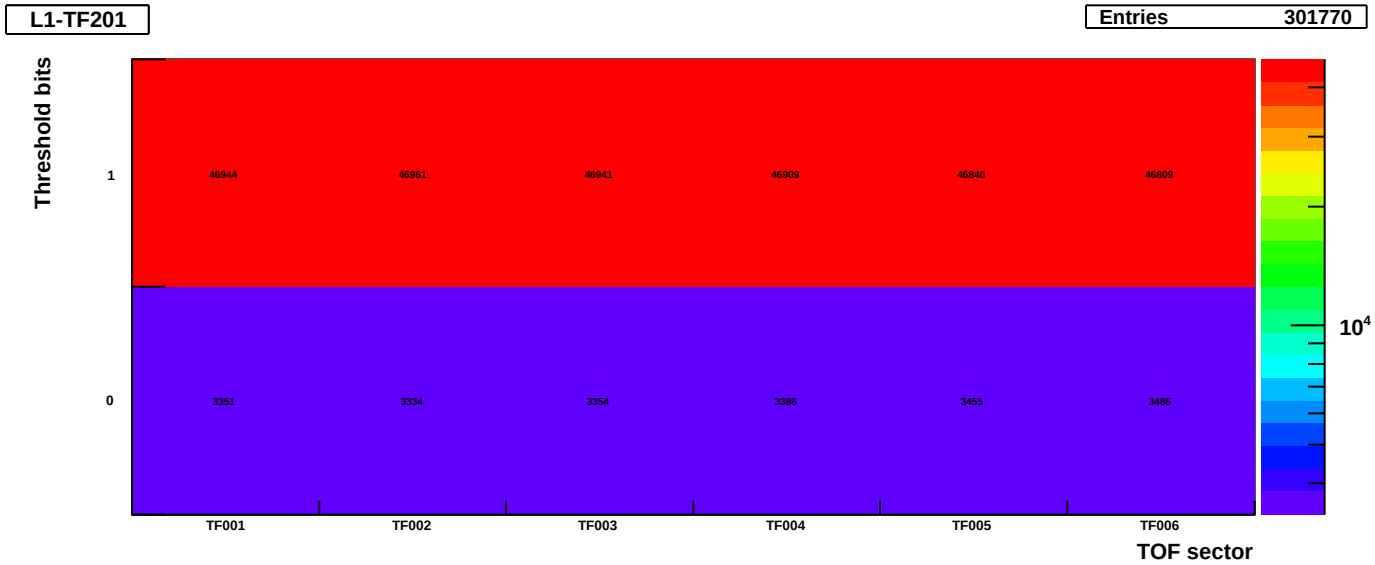

MIX-TF004
Entries 2112390
TOF MULT
TOF tray

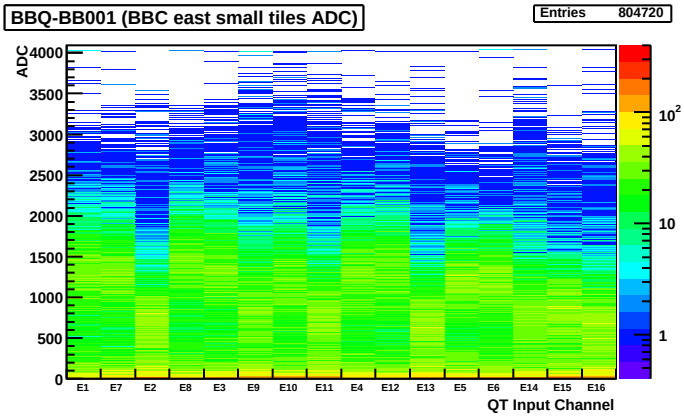

MIX-TF005
Entries 2112390
TOF MULT
TOF tray

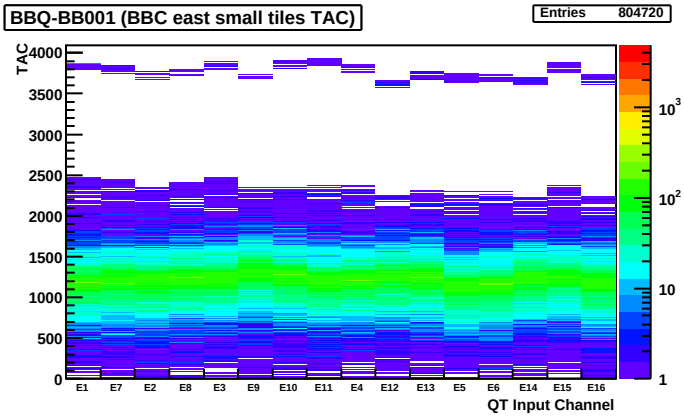

MIX-TF006
Entries 2112390
TOF MULT
TOF tray

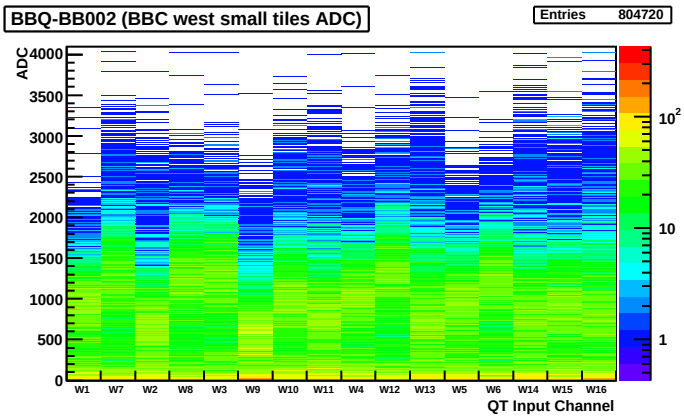

MIX-TF101
Entries 301770
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

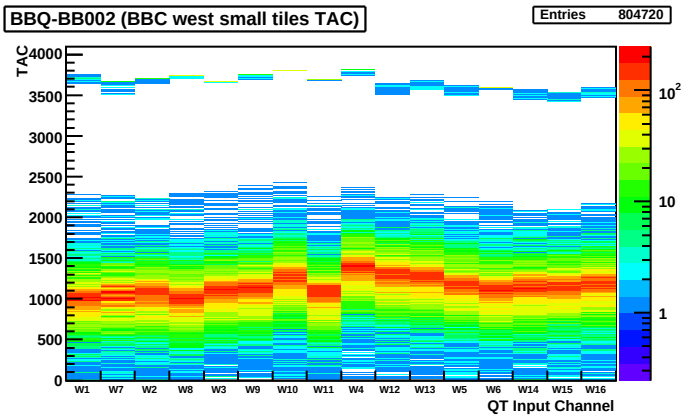

L1-TF201
Entries 50295
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

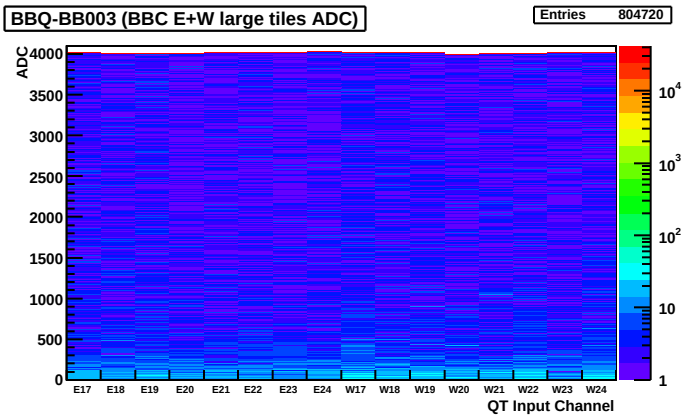

L1-TF201
Entries 301770
Threshold bits
1
0
46944
46961
46941
46909
46840
46809
3351
3334
3354
3386
3455
3486
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

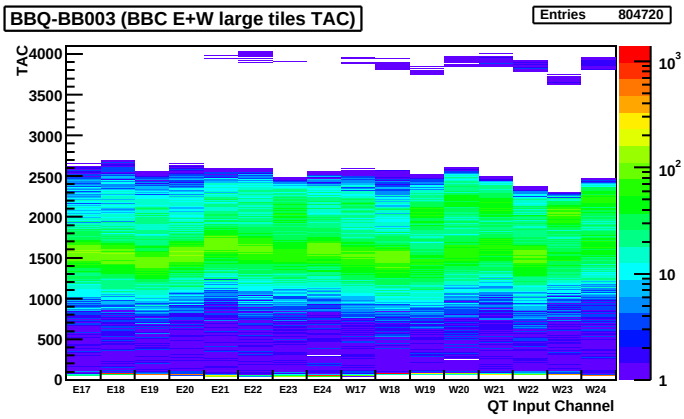

BBQ-BB001 (BBC east small tiles ADC)
Entries 804720
ADC
QT Input Channel

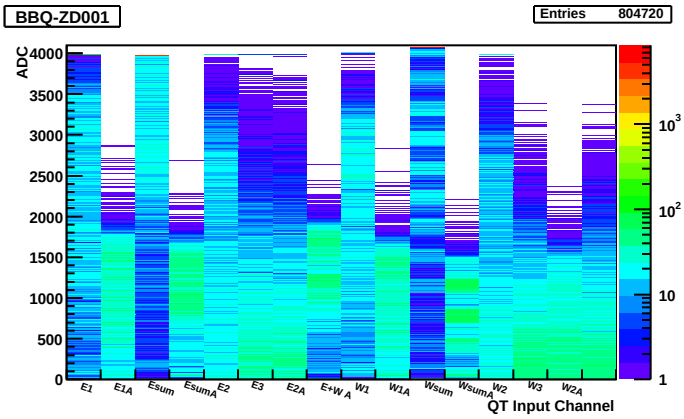

BBQ-BB001 (BBC east small tiles TAC)
Entries 804720
TAC
QT Input Channel

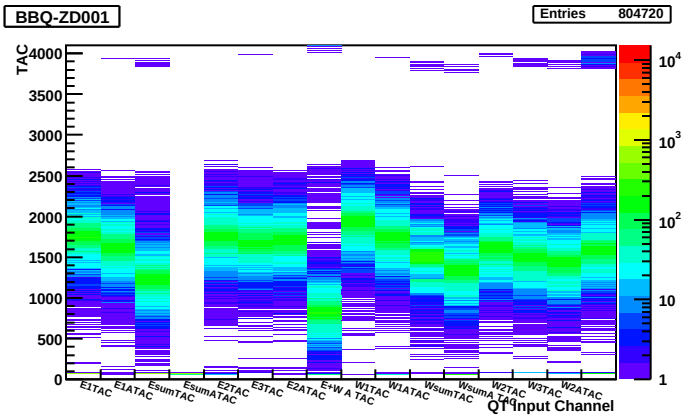

BBQ-BB002 (BBC west small tiles ADC)
Entries 804720
ADC
QT Input Channel

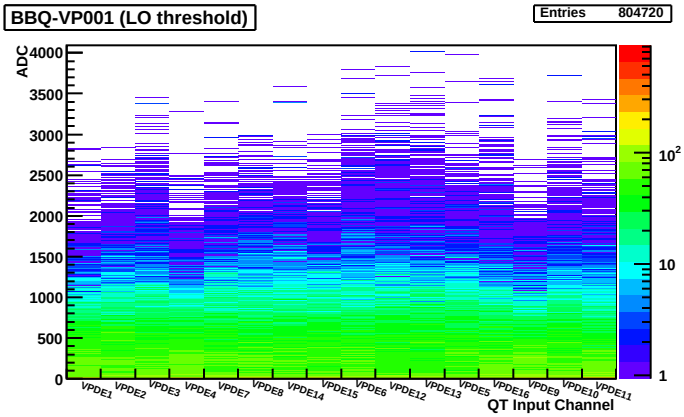

BBQ-BB002 (BBC west small tiles TAC)
Entries 804720
TAC
QT Input Channel

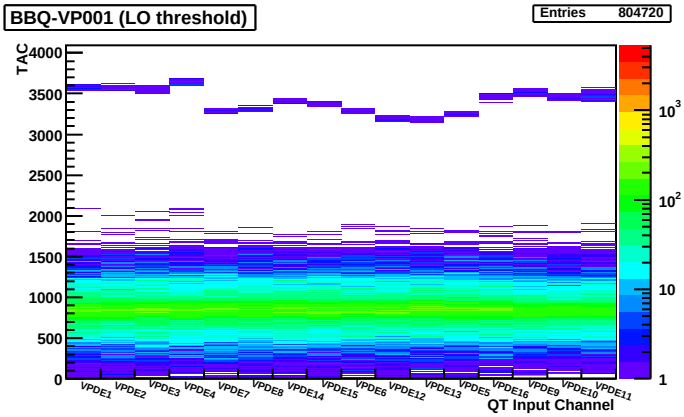

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 804720
ADC
QT Input Channel

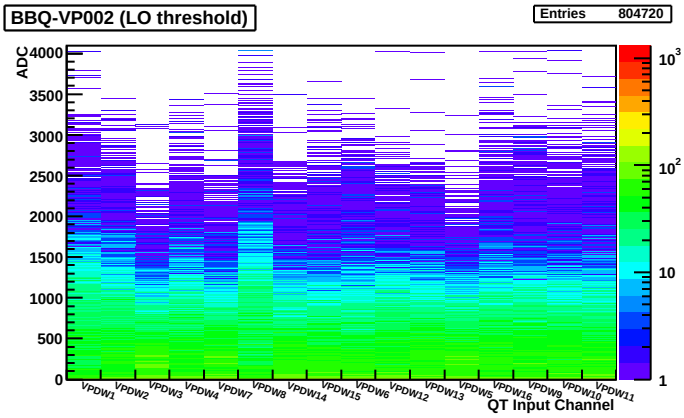

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 804720
TAC
QT Input Channel

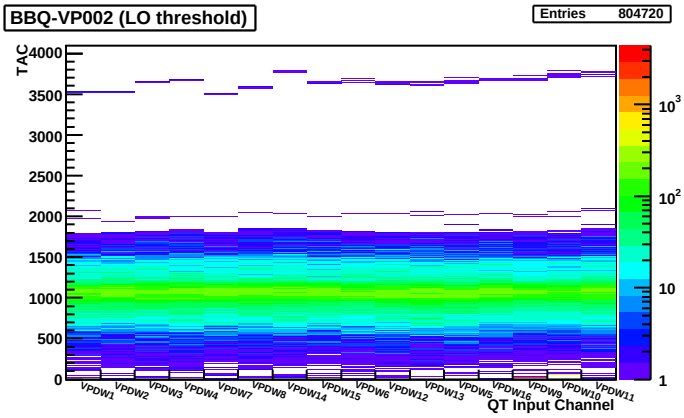

BBQ-ZD001
Entries 804720
ADC
QT Input Channel

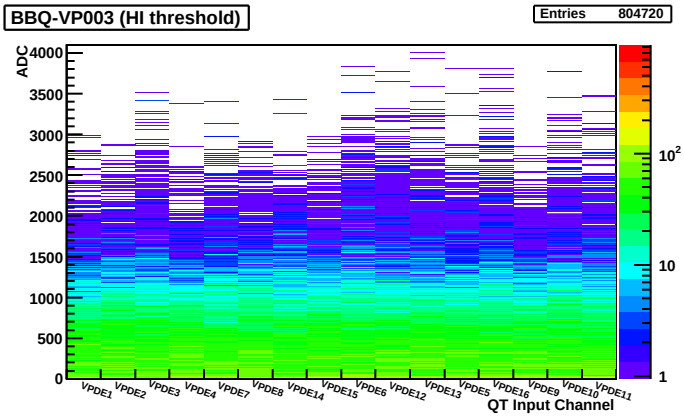

BBQ-ZD001
Entries 804720
TAC
QT Input Channel

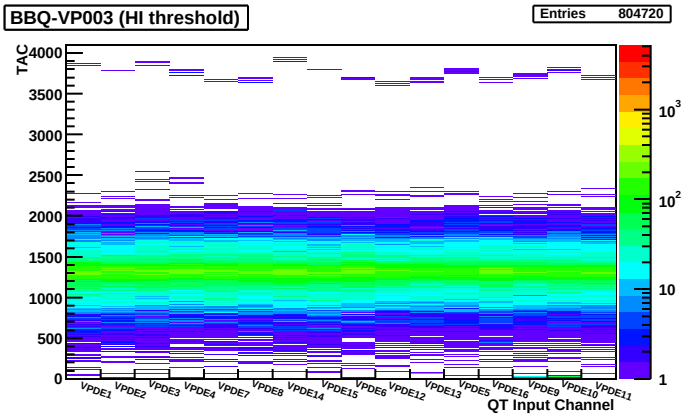

BBQ-VP001 (LO threshold)
Entries 804720
ADC
QT Input Channel

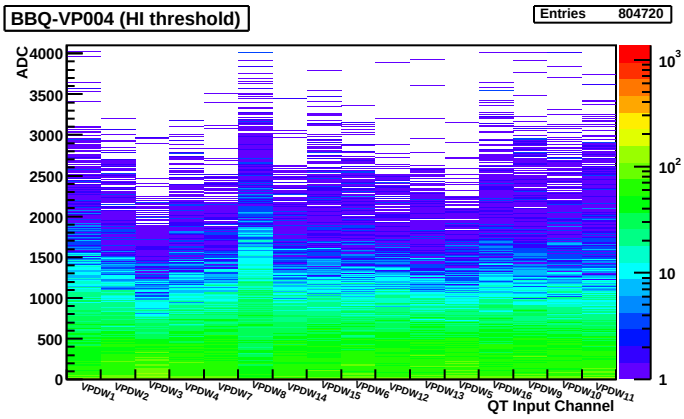

BBQ-VP001 (LO threshold)
Entries 804720
TAC
QT Input Channel

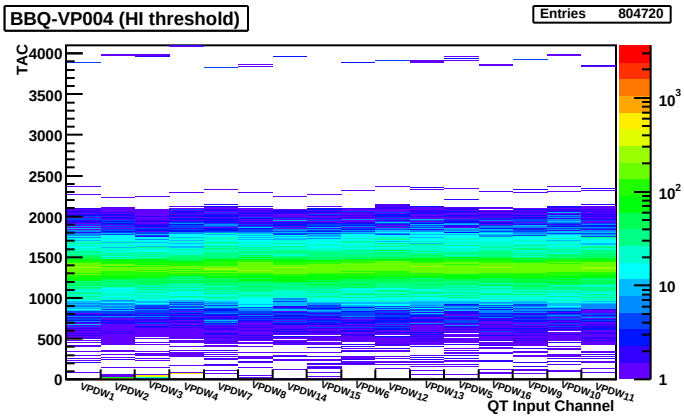

BBQ-VP002 (LO threshold)
Entries 804720
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 804720
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 804720
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 804720
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 804720
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 804720
TAC
QT Input Channel