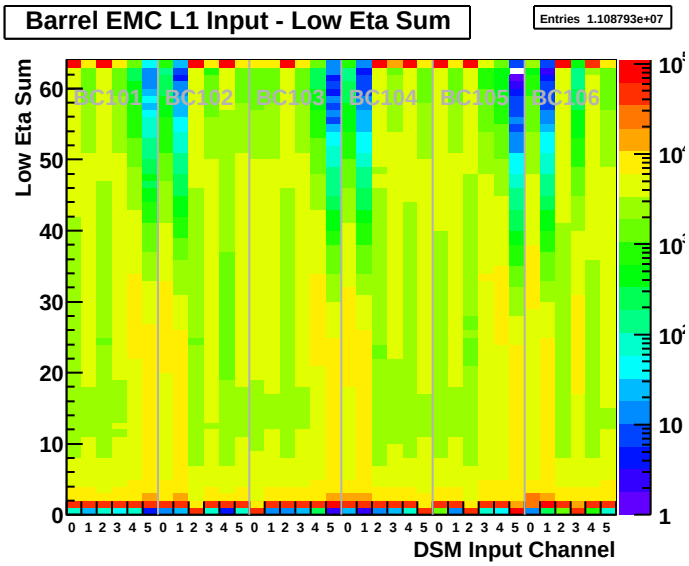
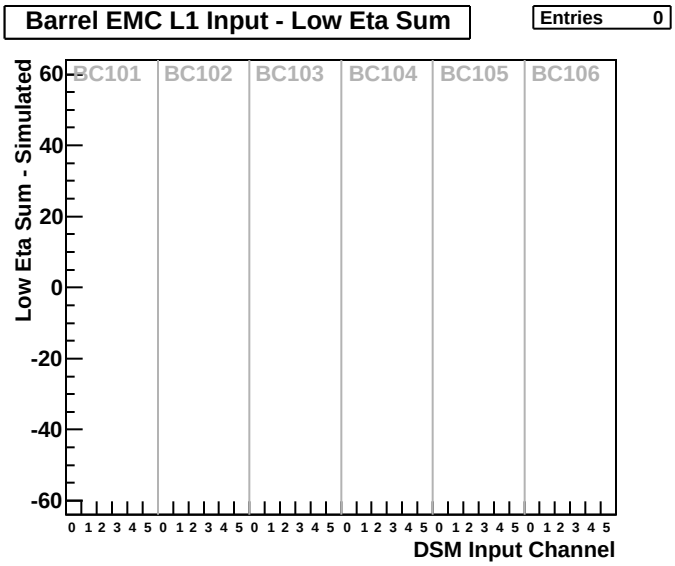
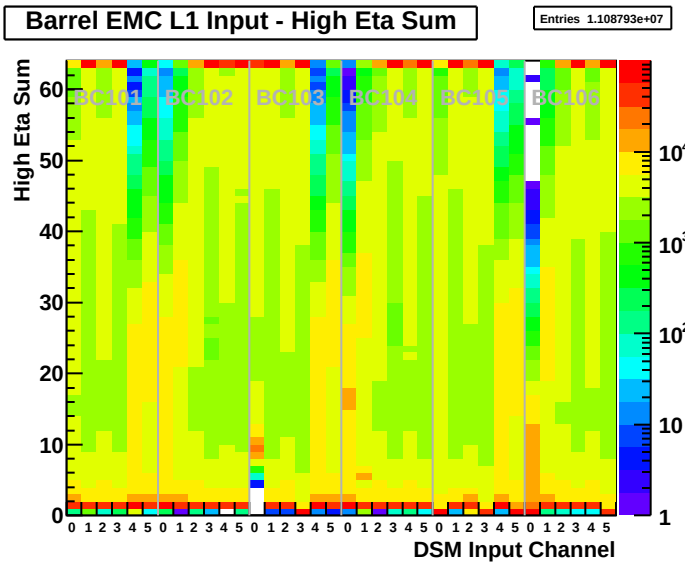
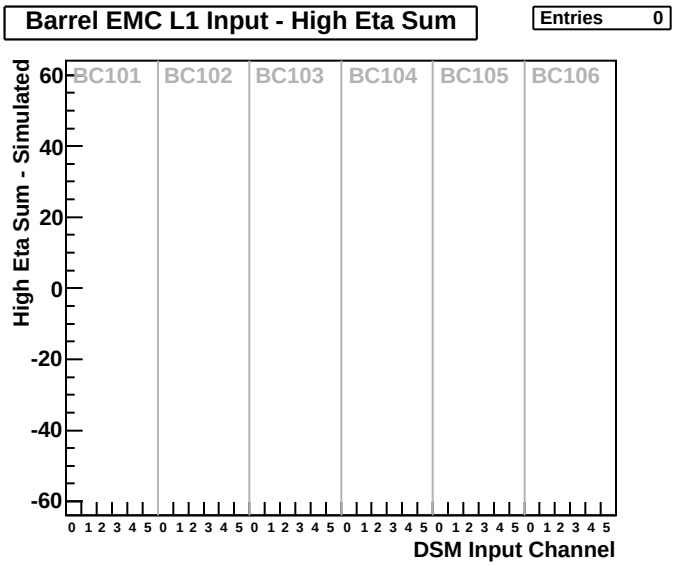
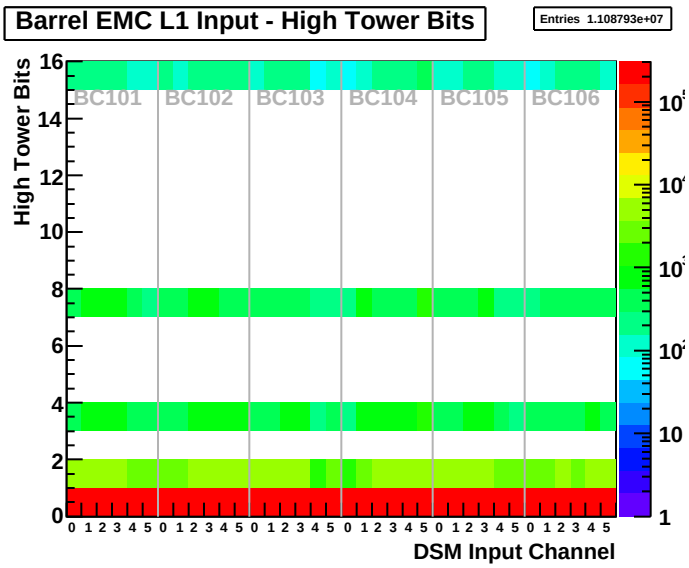
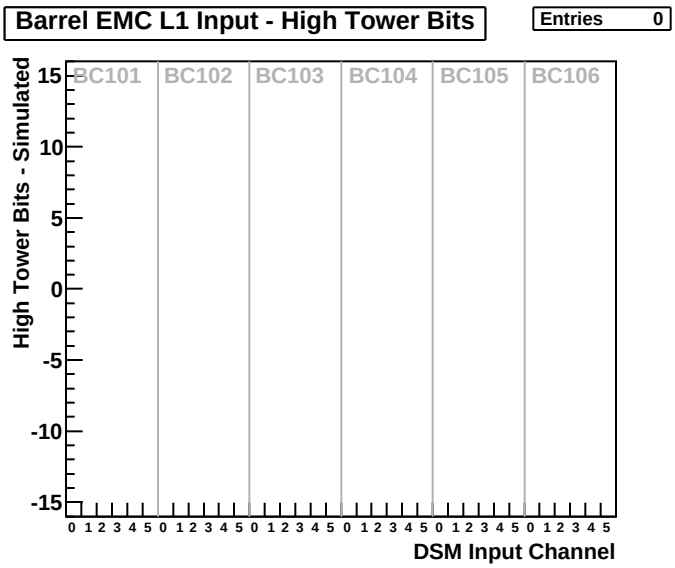

Barrel EMC L1 Input - Low Eta Sum
Entries 1.108793e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

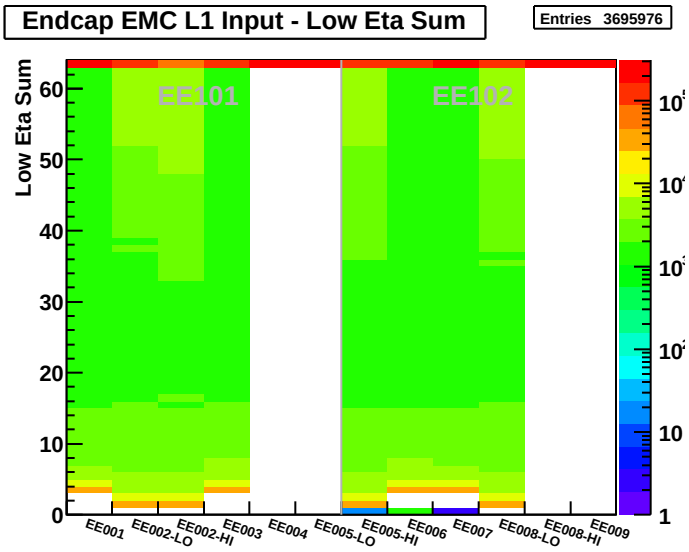

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

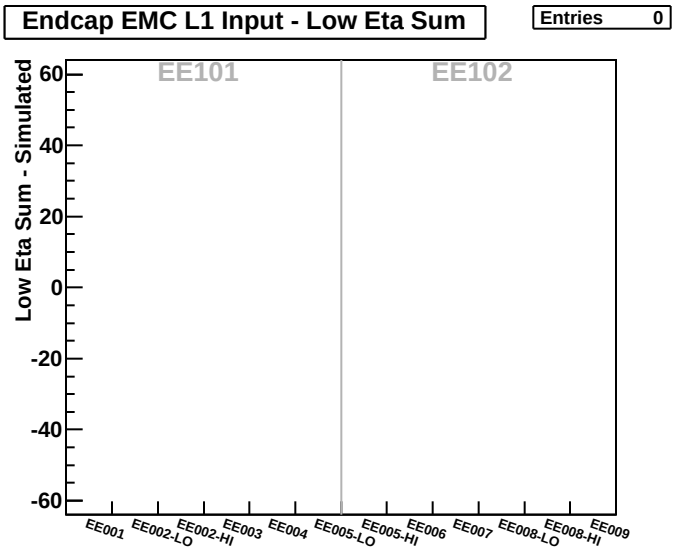

Barrel EMC L1 Input - High Eta Sum
Entries 1.108793e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

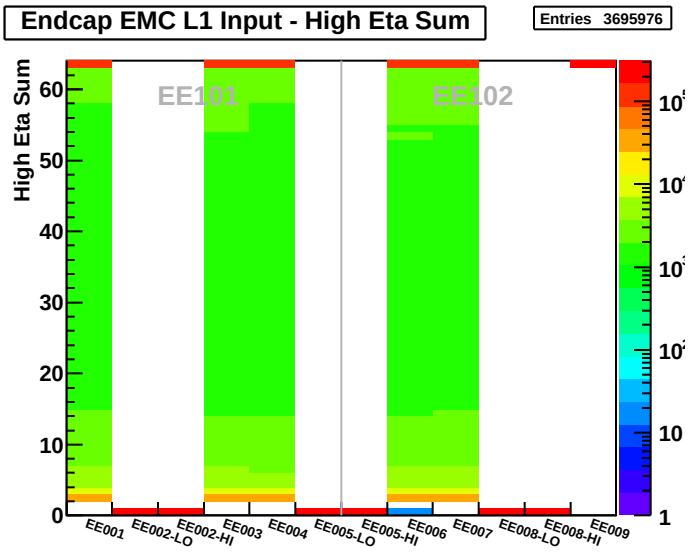

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

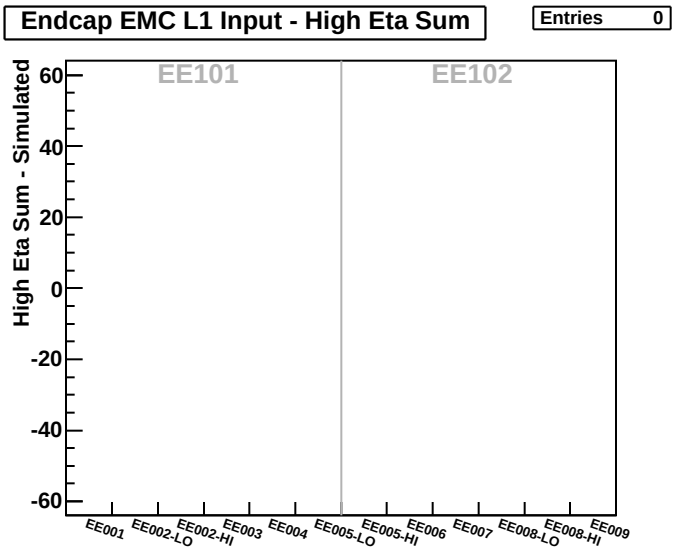

Barrel EMC L1 Input - High Tower Bits
Entries 1.108793e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

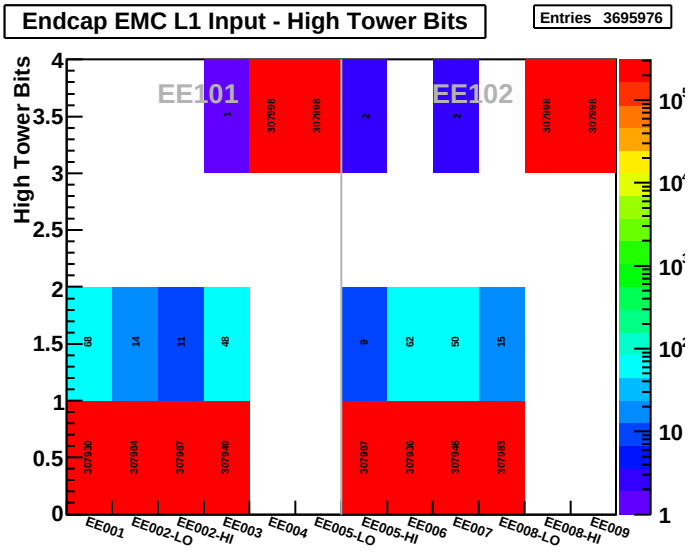

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

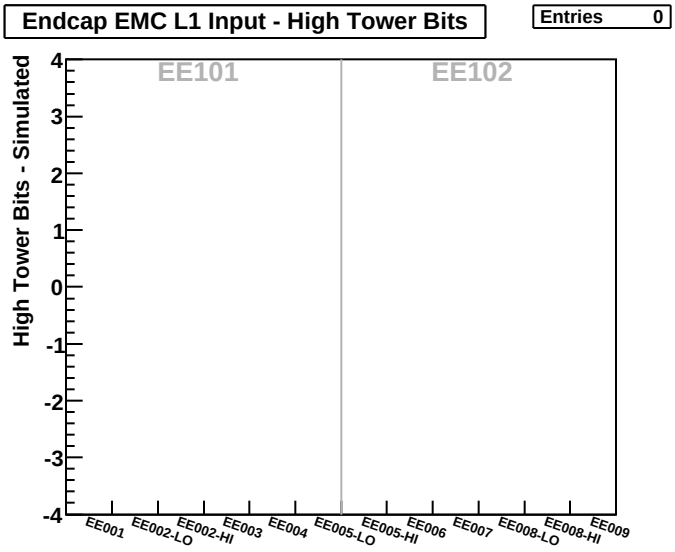

Endcap EMC L1 Input - Low Eta Sum
Entries 3695976
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

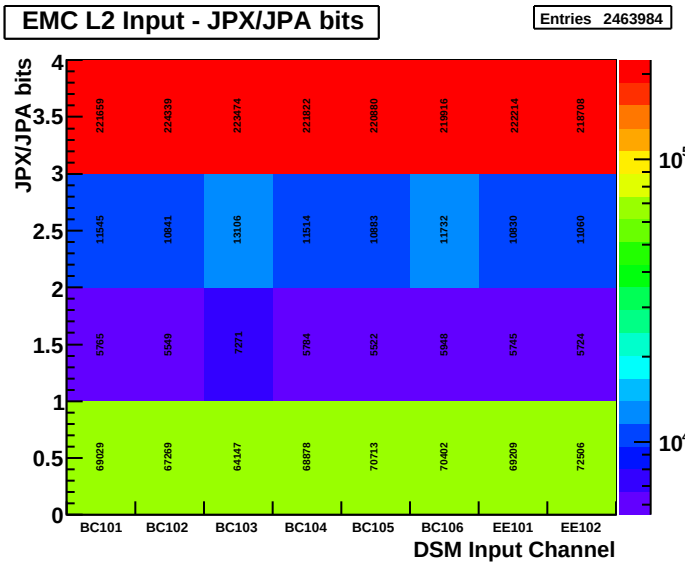

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

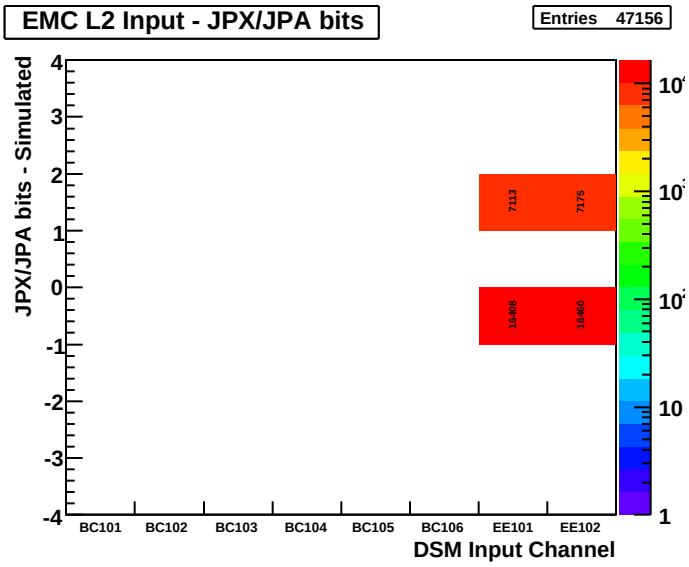

Endcap EMC L1 Input - High Eta Sum
Entries 3695976
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

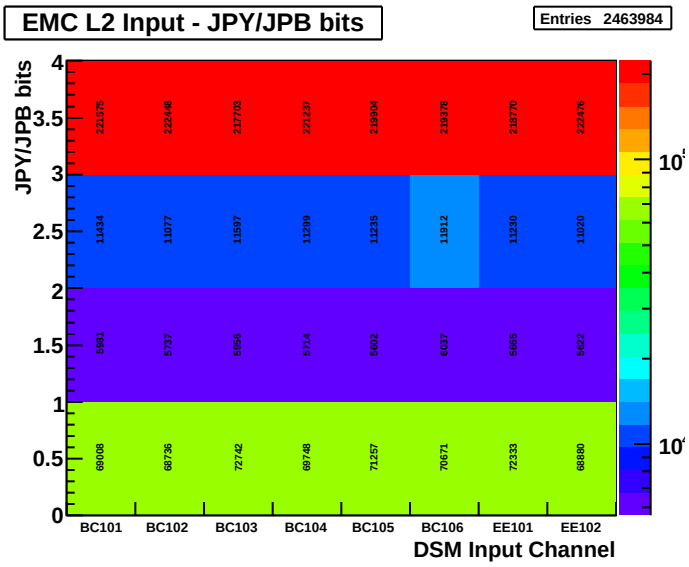

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

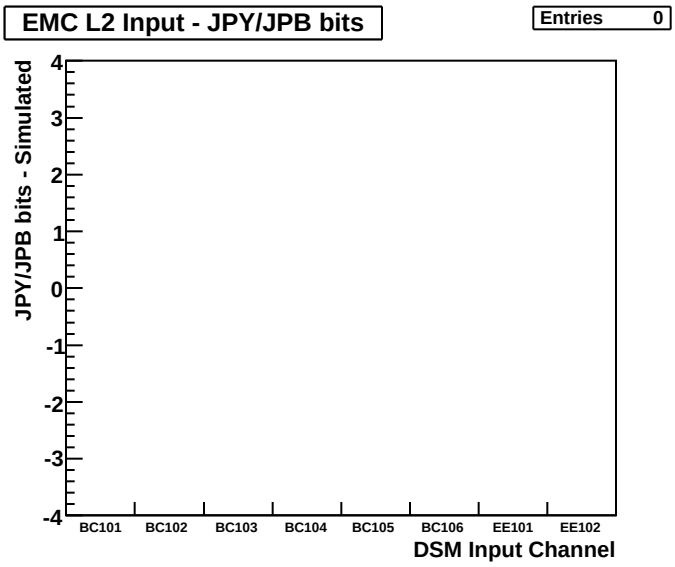

Endcap EMC L1 Input - High Tower Bits
Entries 3695976
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

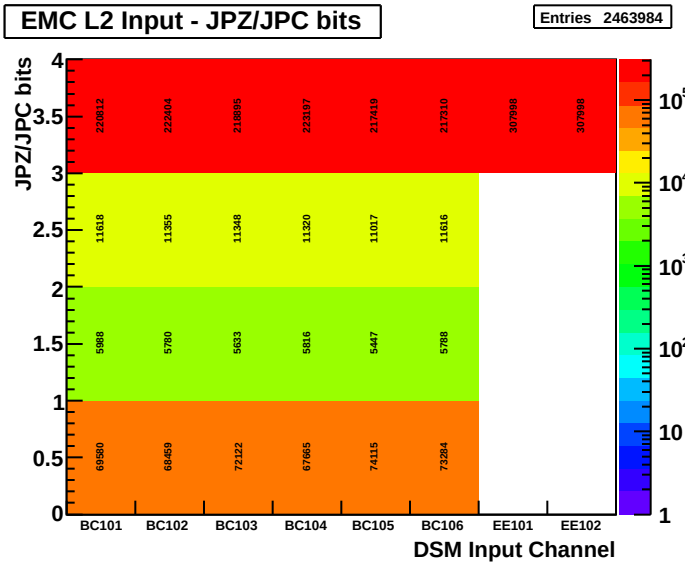

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

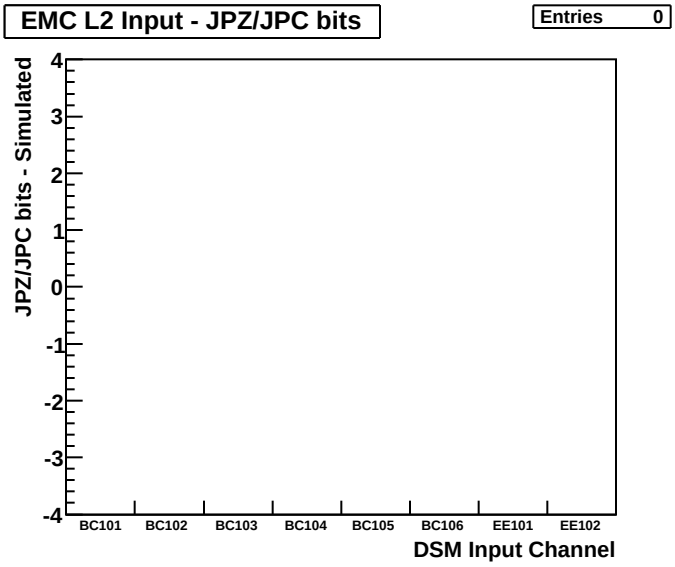

EMC L2 Input - JPX/JPA bits
Entries 2463984
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
221659 224239 223474 221822 220880 219916 222214 218708
11545 10841 13106 11514 10883 11732 10830 11060
5765 5549 7271 5784 5522 5948 5745 5724
69029 67269 64147 68878 70713 70402 69209 72506

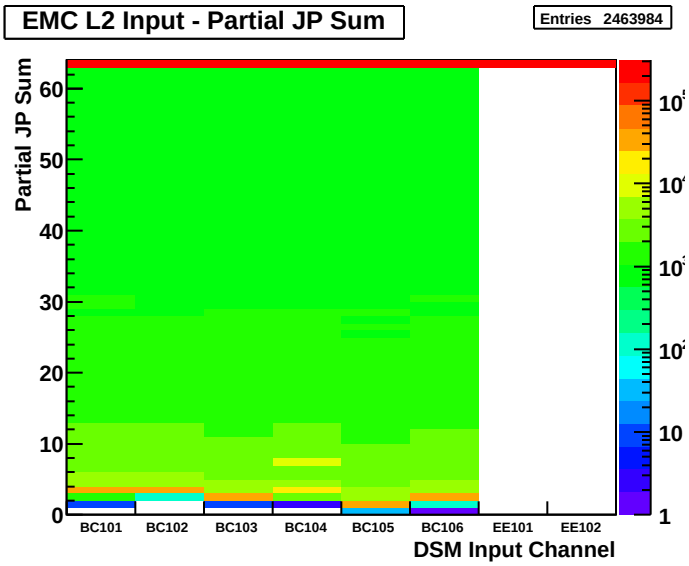

EMC L2 Input - JPX/JPA bits
Entries 47156
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
7113 7175
16408 16460

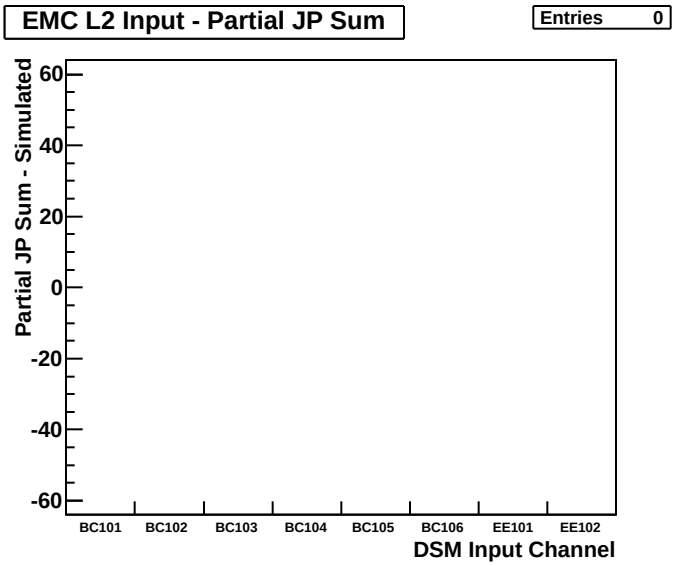

EMC L2 Input - JPY/JPB bits
Entries 2463984
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
221575 222448 217703 221237 219904 219378 218770 222476
11434 11077 11597 11299 11235 11912 11230 11020
5861 5737 5856 5714 5602 6037 5665 5622
69008 68736 72742 69748 71257 70671 72333 68880

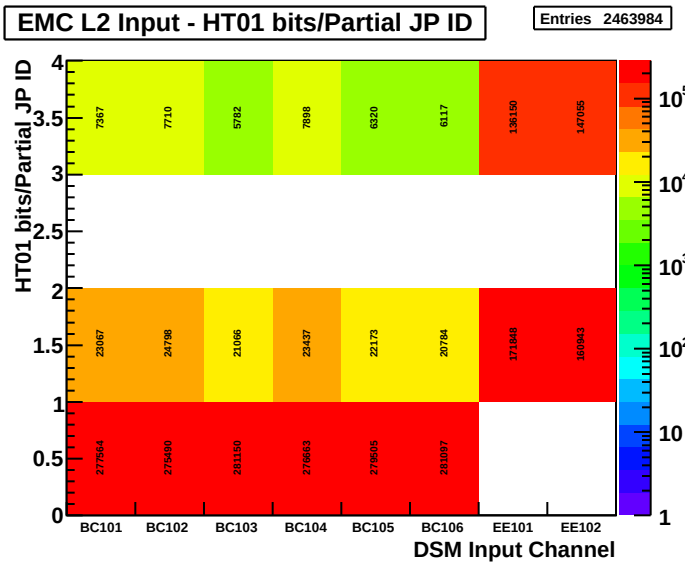

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

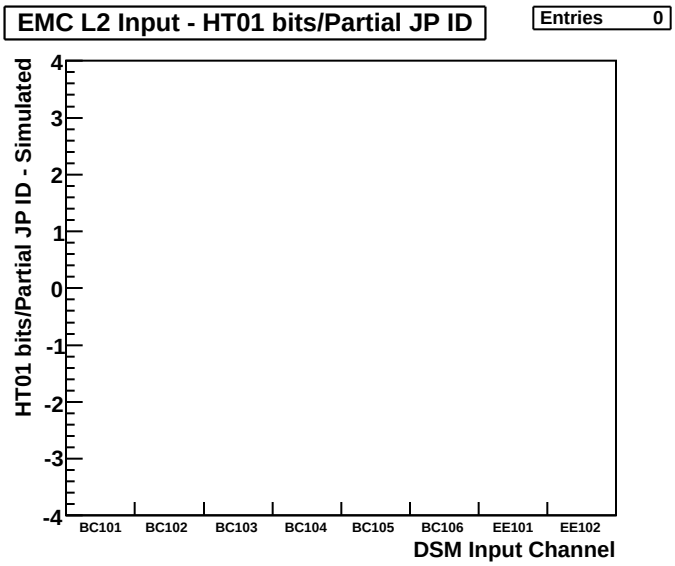

EMC L2 Input - JPZ/JPC bits
Entries 2463984
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
220612 222404 218895 223197 217419 217310 307998 307998
11618 11355 11348 11320 11017 11616
5988 5780 5633 5816 5447 5788
69380 68459 72122 67665 74115 73284

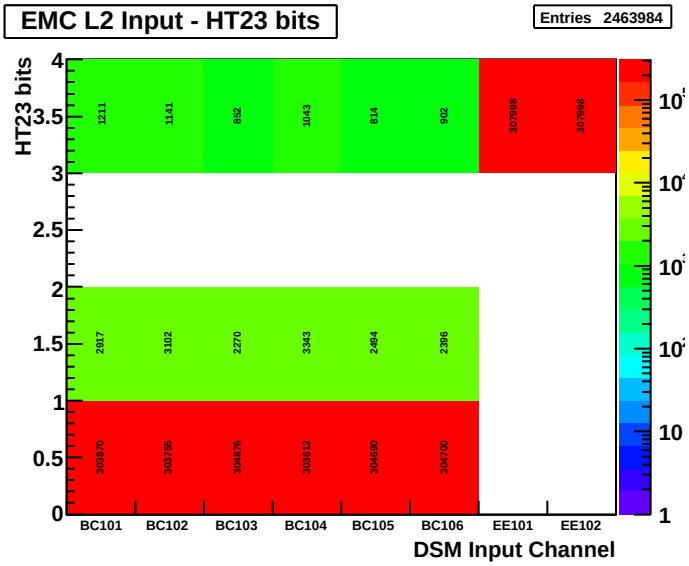

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

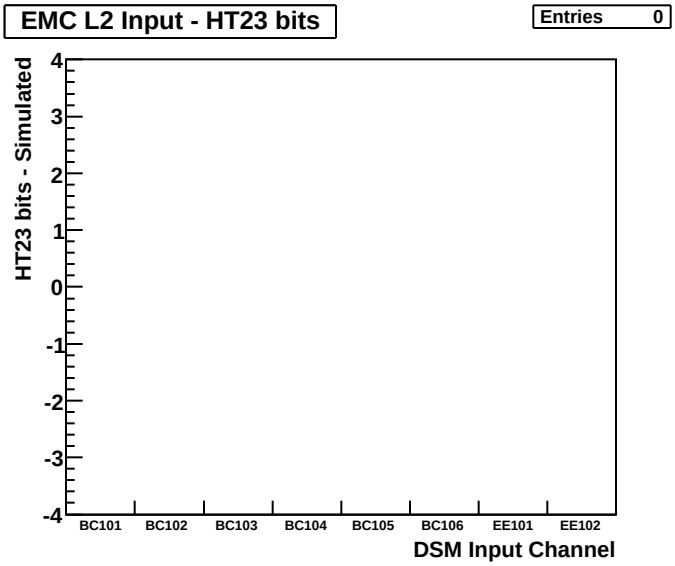

EMC L2 Input - Partial JP Sum
Entries 2463984
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

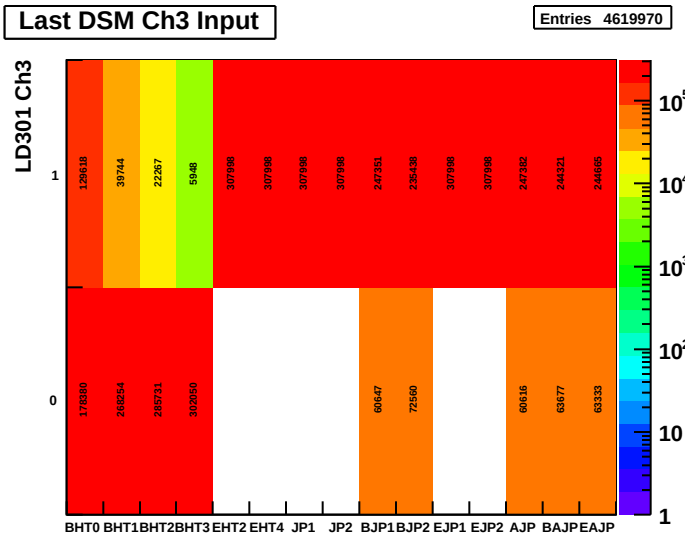

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

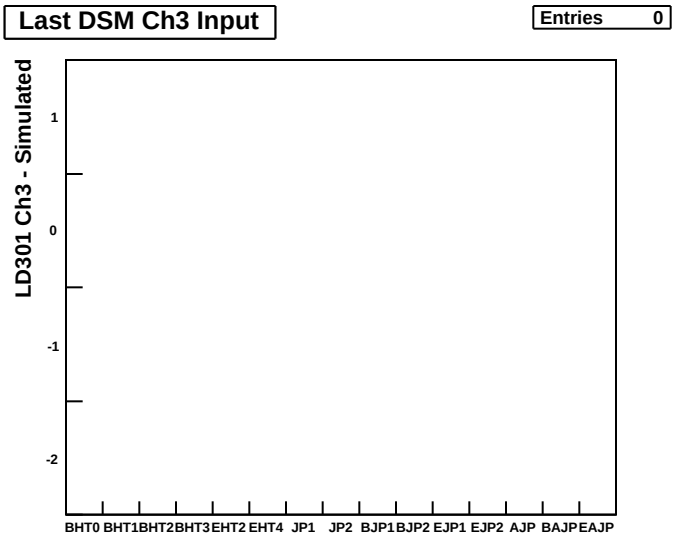

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2463984
HT01 bits/Partial JP ID
7367 7710 5782 7898 6320 6117 136150 147055
23067 24798 21066 23437 22173 20784 171848 160943
277564 275490 281150 276663 279505 281097
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

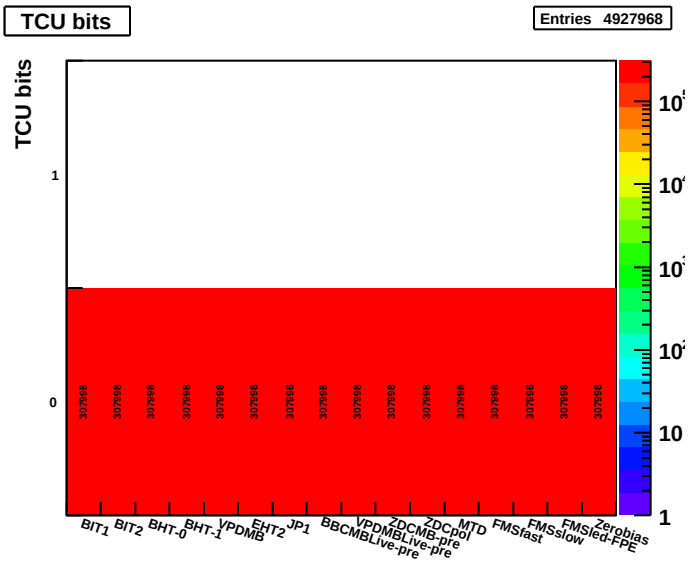

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

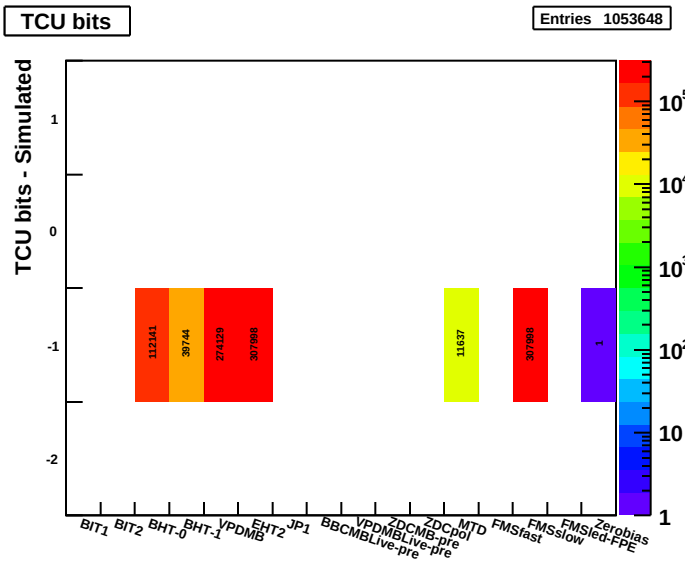

EMC L2 Input - HT23 bits
Entries 2463984
HT23 bits
1211 1141 852 1043 814 902 307998 307998
2917 3102 2270 3343 2494 2396
303370 303755 304876 303612 304690 304700
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

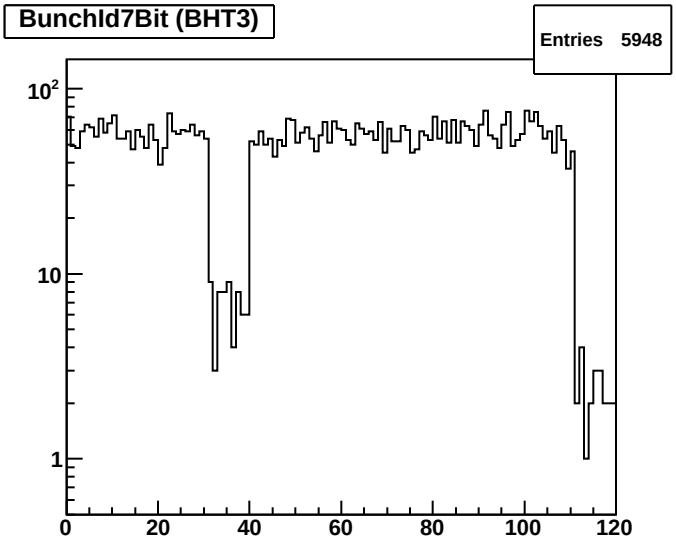

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

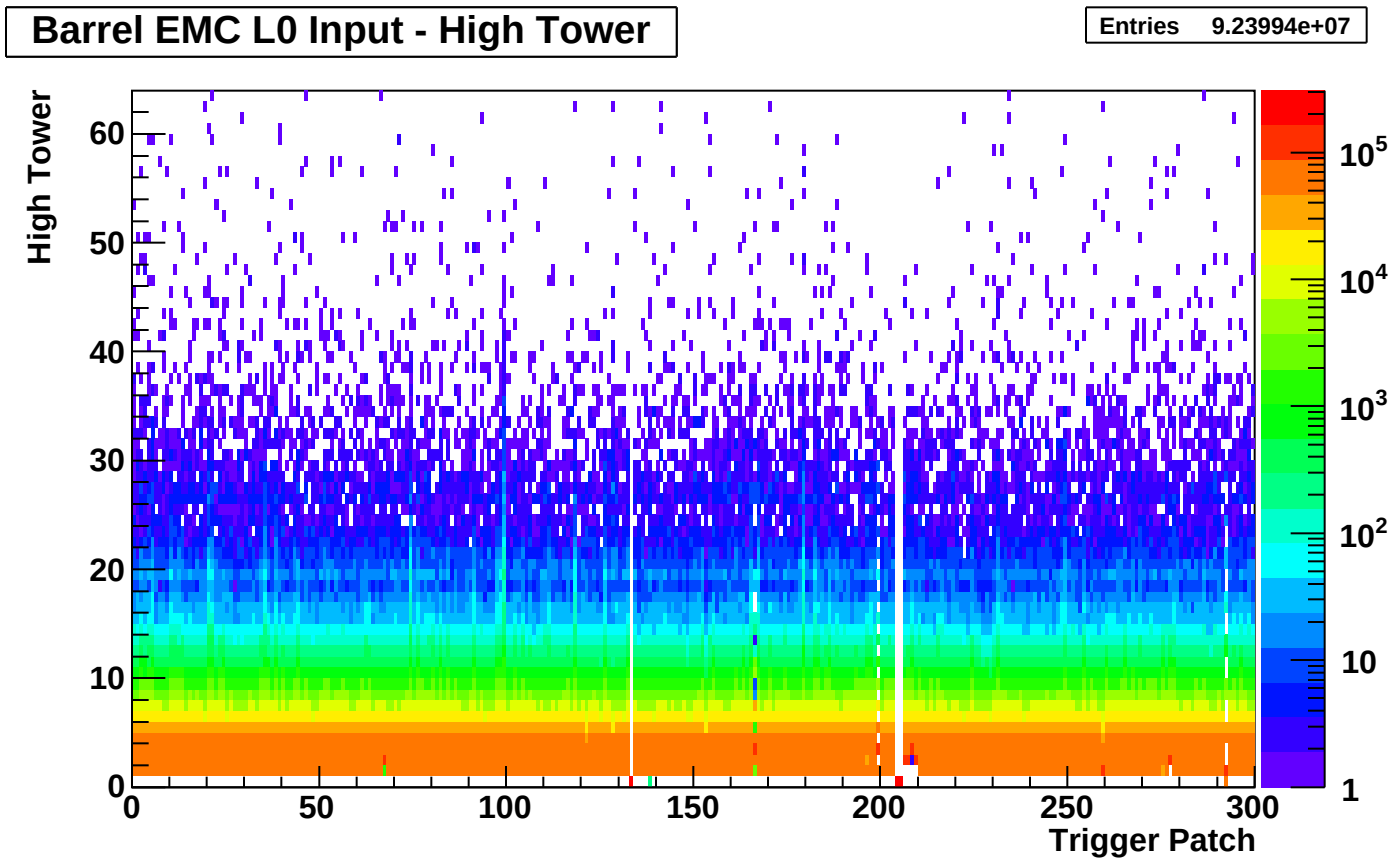

Last DSM Ch3 Input
Entries 4619970
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

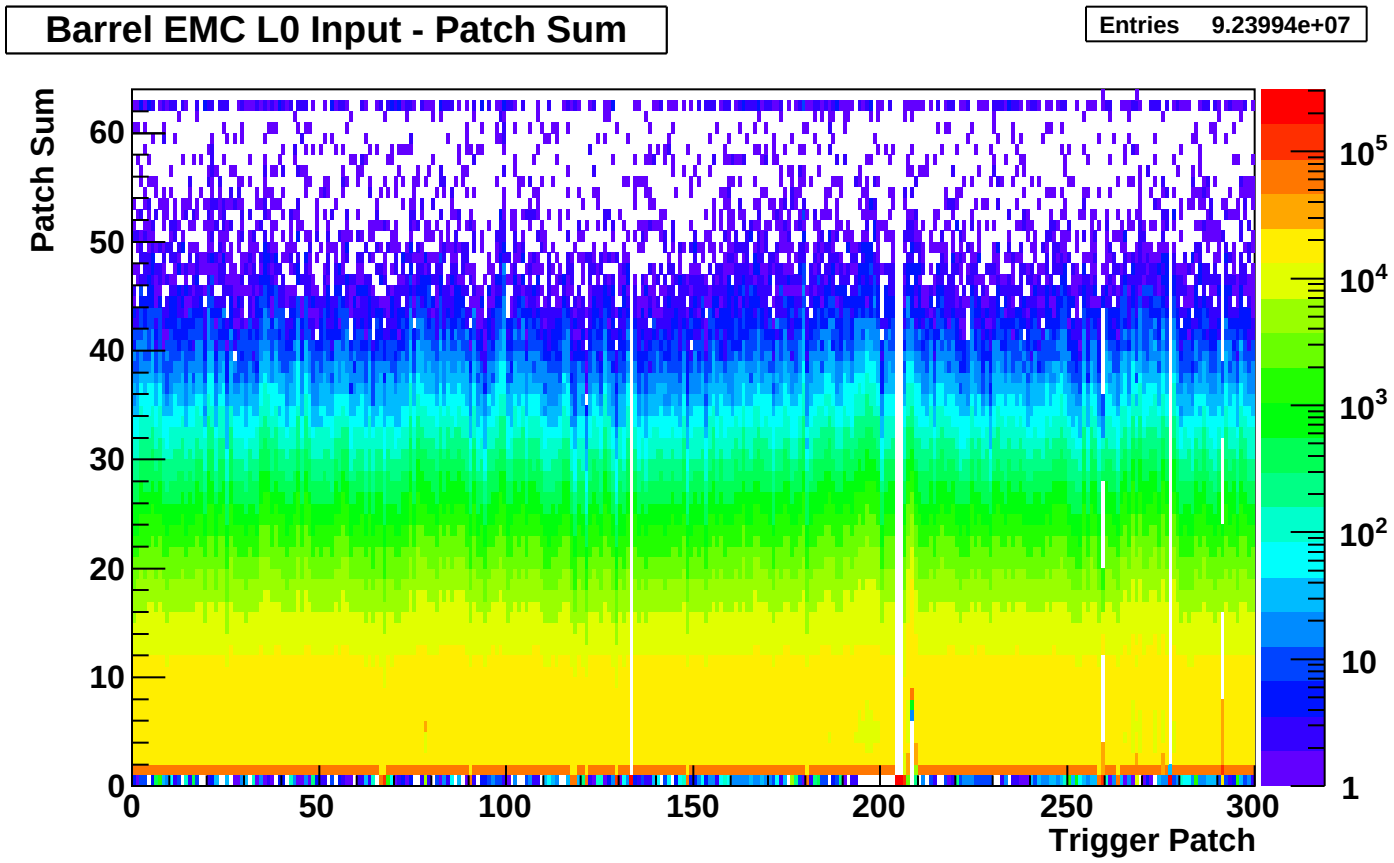

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

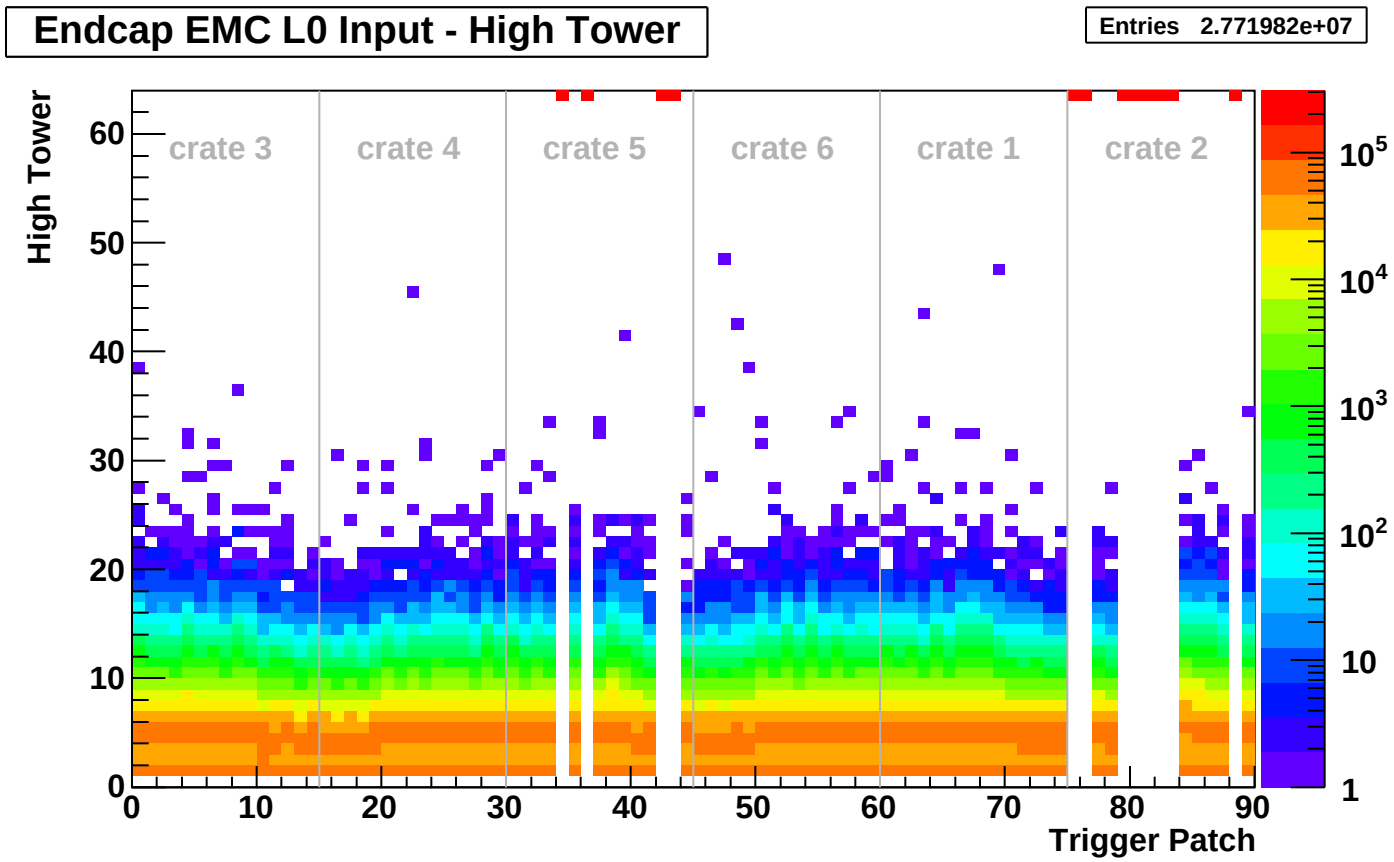

TCU bits
Entries 4927968
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

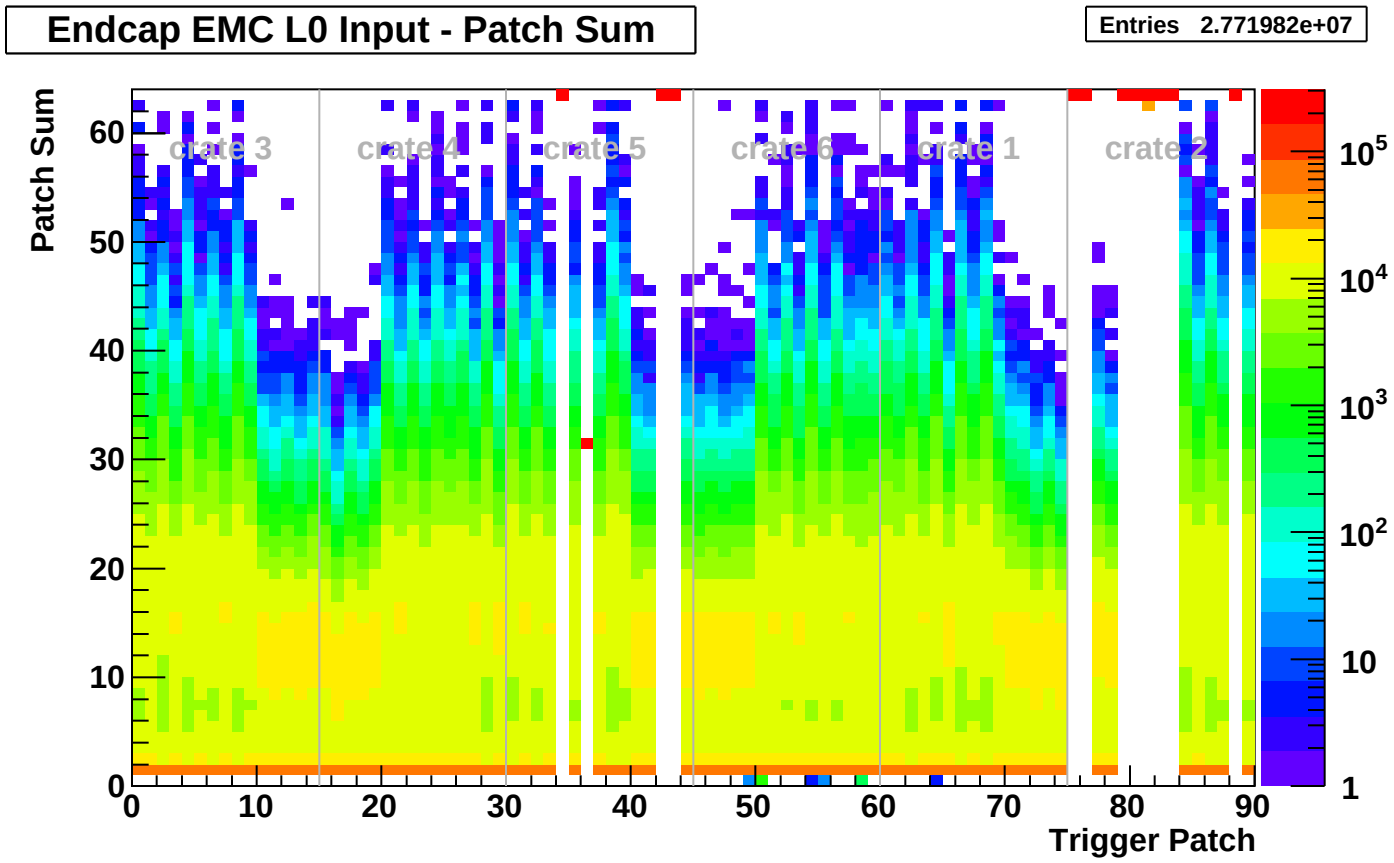

TCU bits
Entries 1053648
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

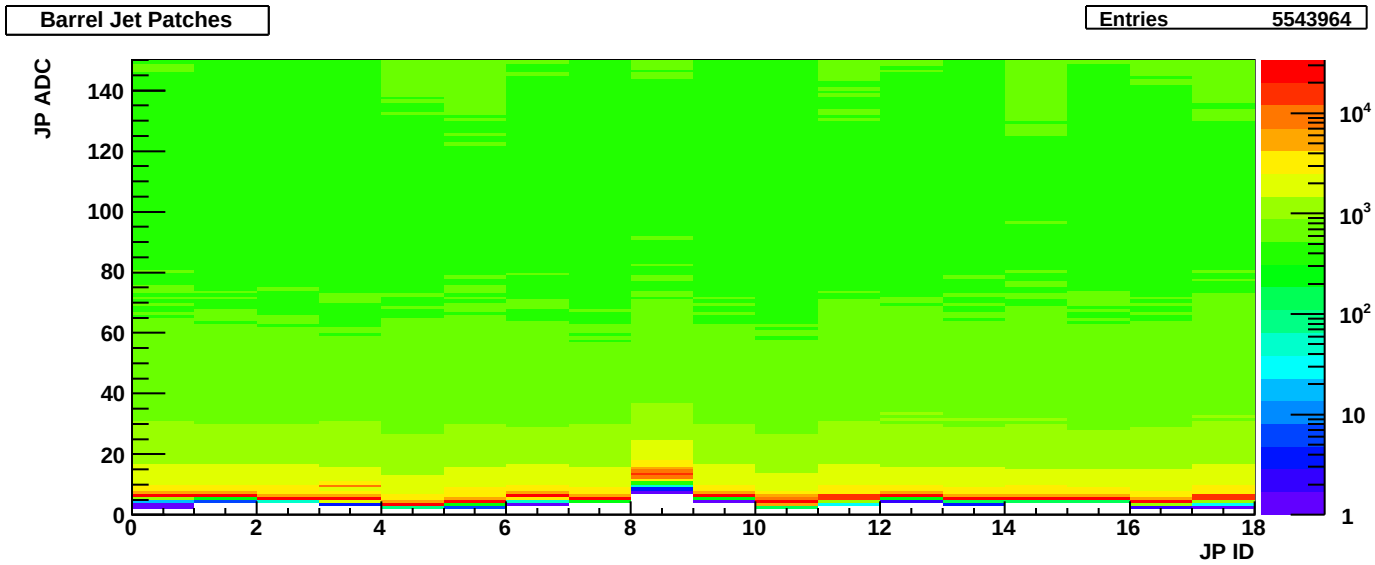

BunchId7Bit (BHT3)
Entries 5948

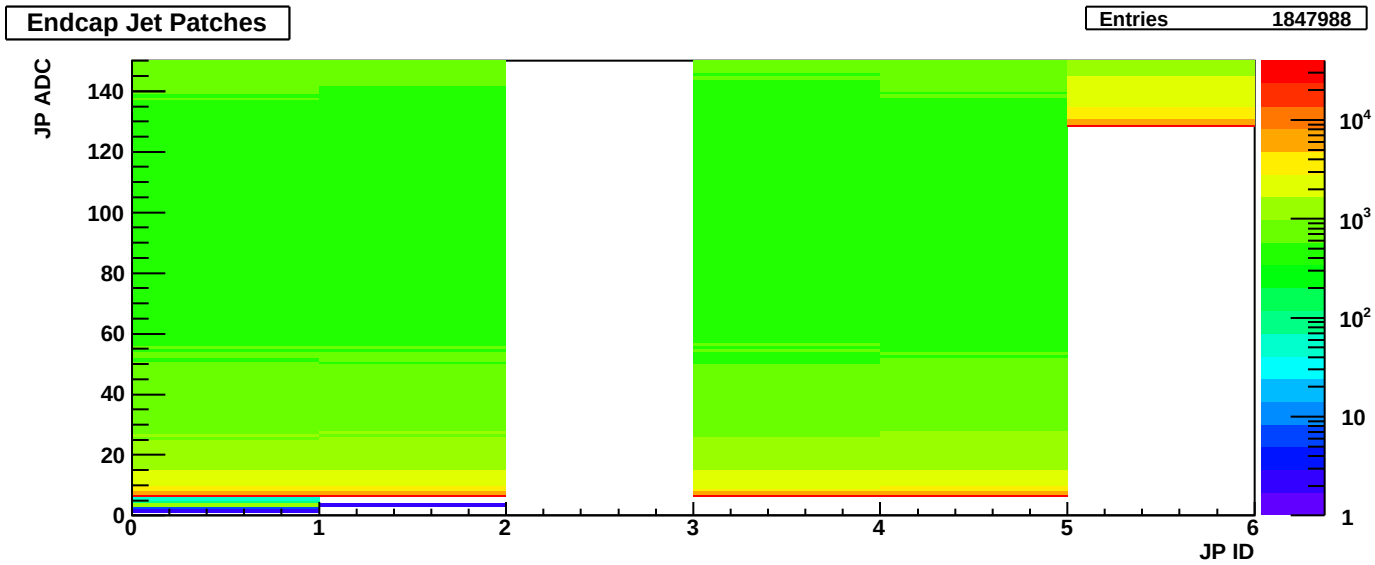

Barrel EMC L0 Input - High Tower
Entries 9.23994e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

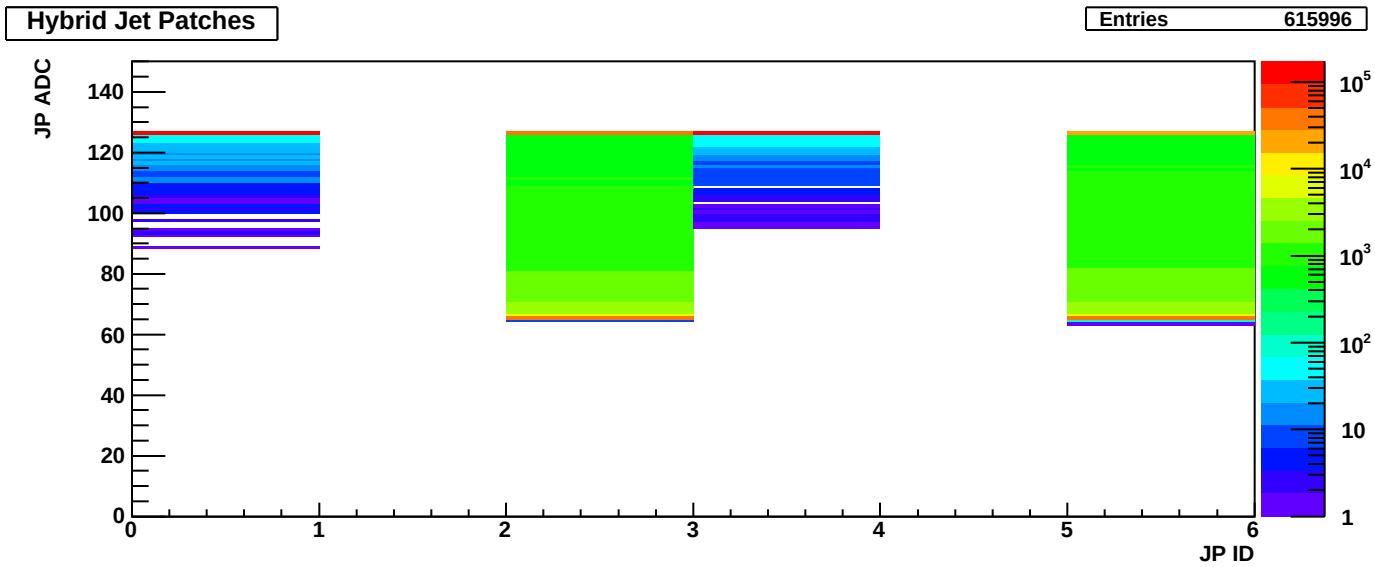

Barrel EMC L0 Input - Patch Sum
Entries 9.23994e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

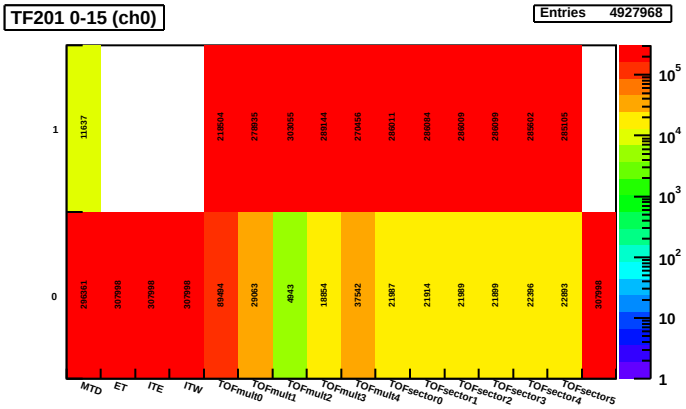

Endcap EMC L0 Input - High Tower
Entries 2.771982e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

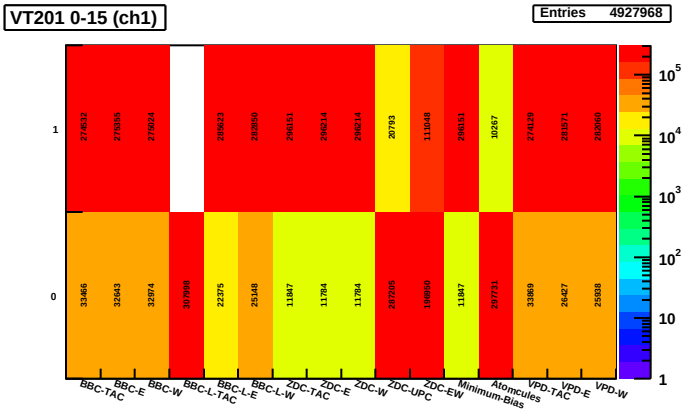

Endcap EMC L0 Input - Patch Sum
Entries 2.771982e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

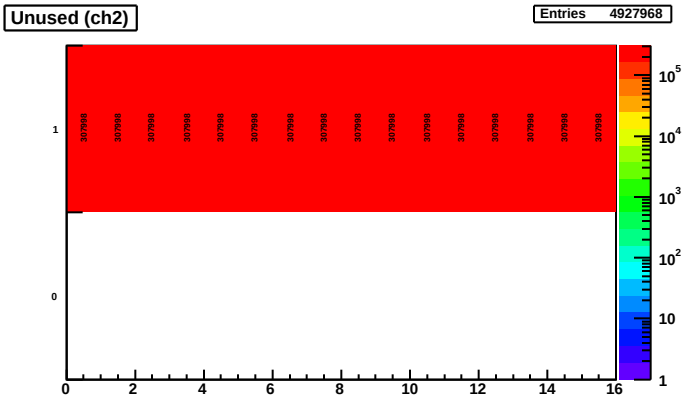

Barrel Jet Patches
Entries 5543964
JP ADC
JP ID

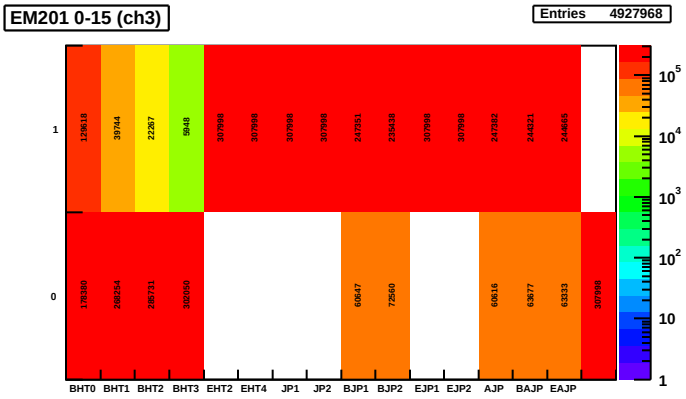

Endcap Jet Patches
Entries 1847988
JP ADC
JP ID

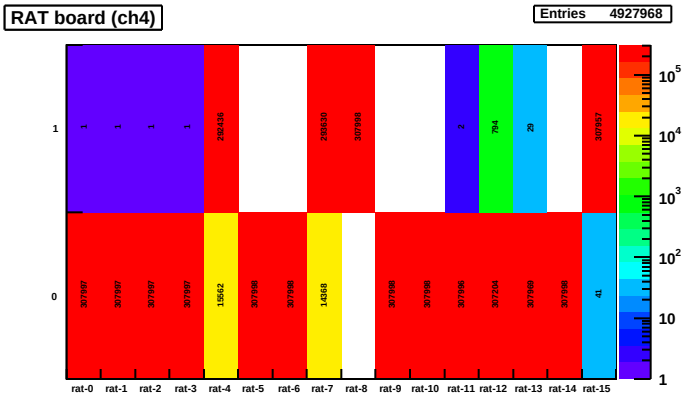

Hybrid Jet Patches
Entries 615996
JP ADC
JP ID

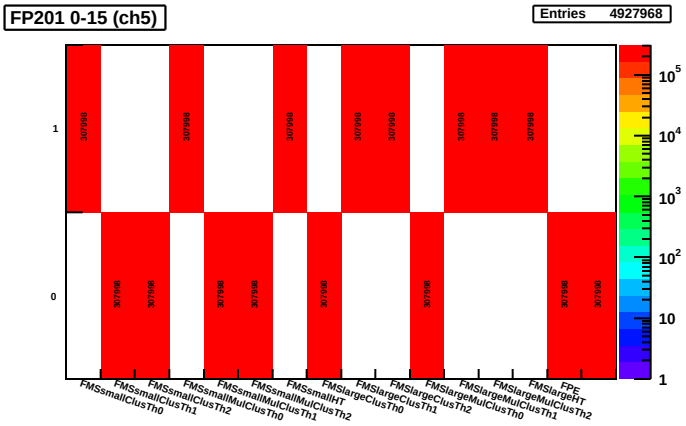

TF201 0-15 (ch0)
Entries 4927968
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

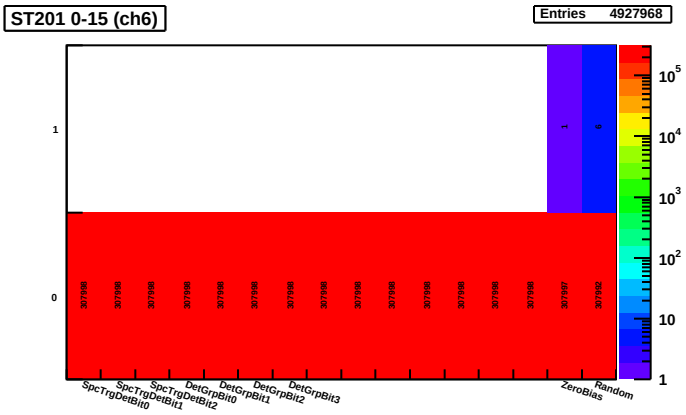

VT201 0-15 (ch1)
Entries 4927968
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

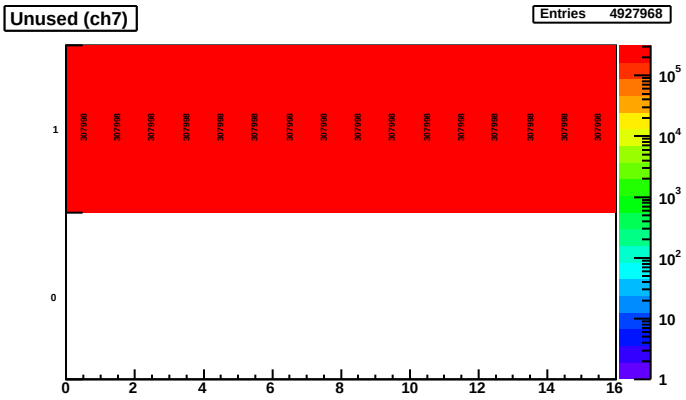

Unused (ch2)
Entries 4927968

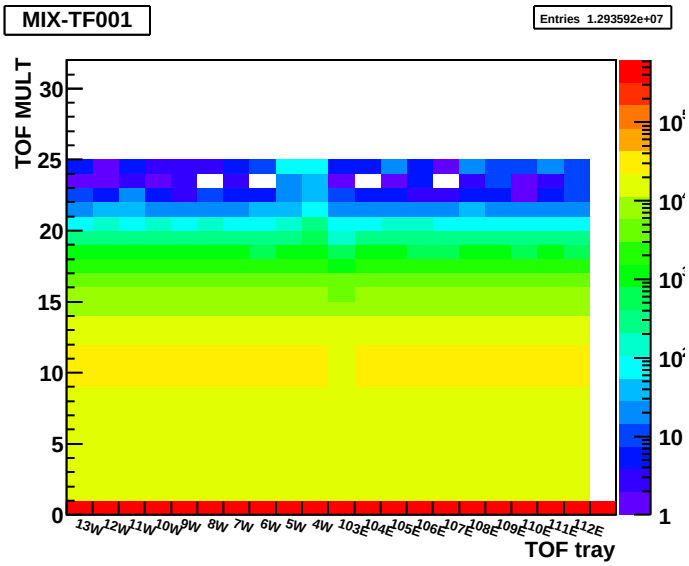

EM201 0-15 (ch3)
Entries 4927968
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

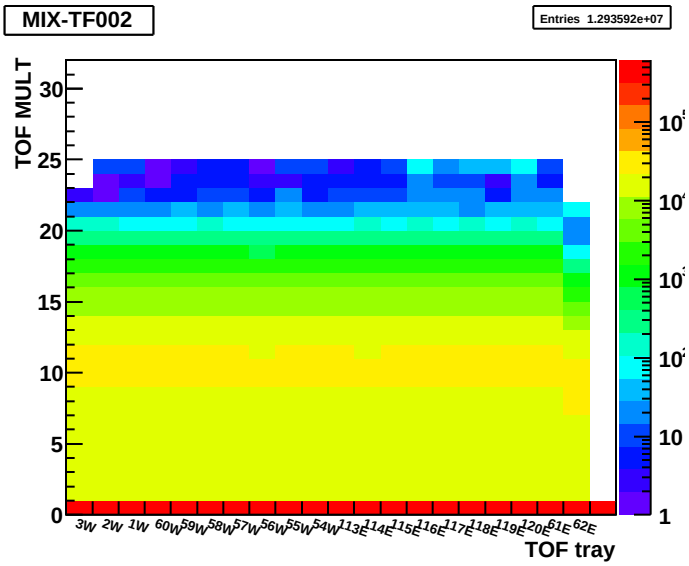

RAT board (ch4)
Entries 4927968
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

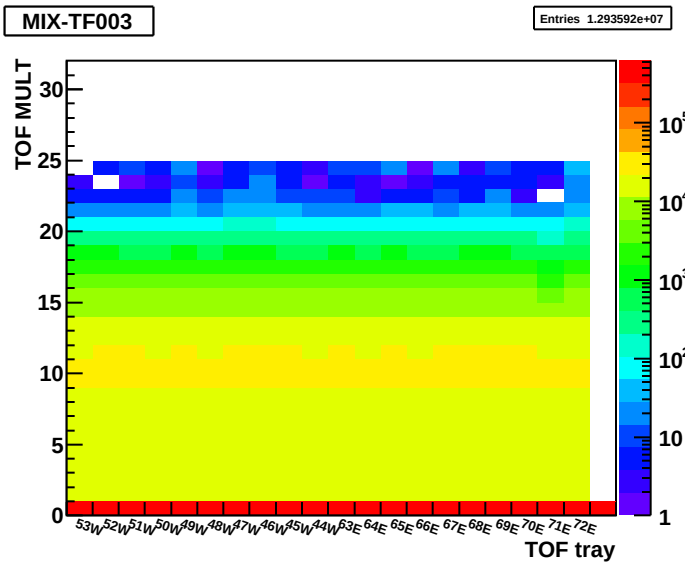

FP201 0-15 (ch5)
Entries 4927968
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

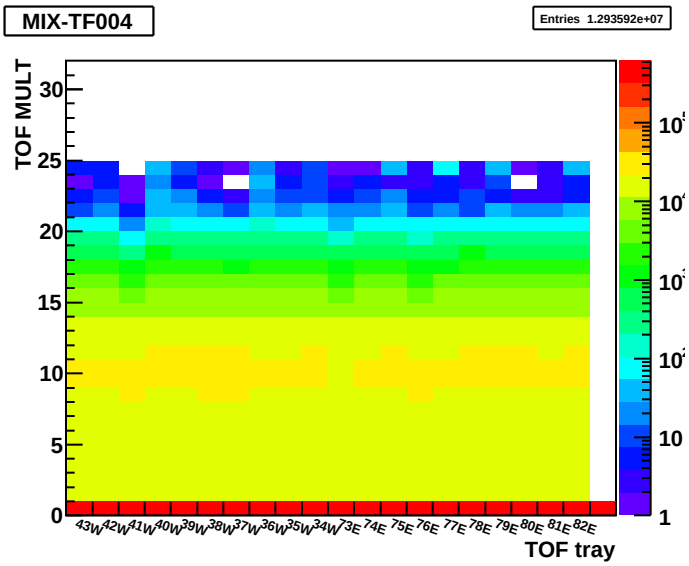

ST201 0-15 (ch6)
Entries 4927968
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

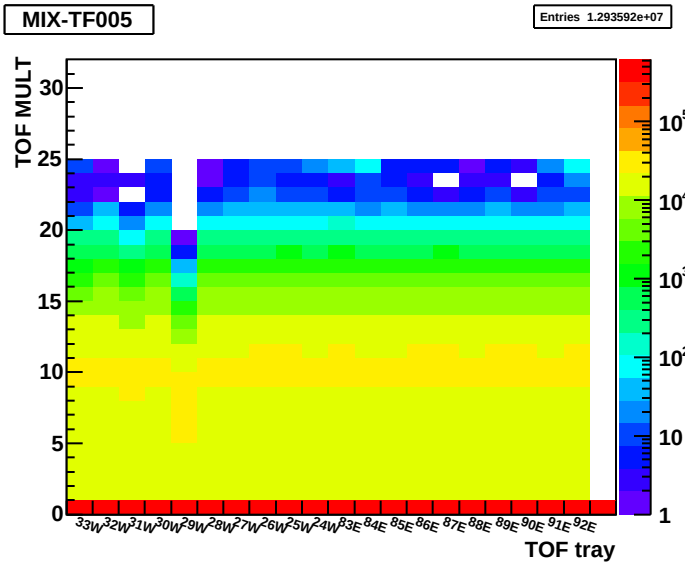

Unused (ch7)
Entries 4927968

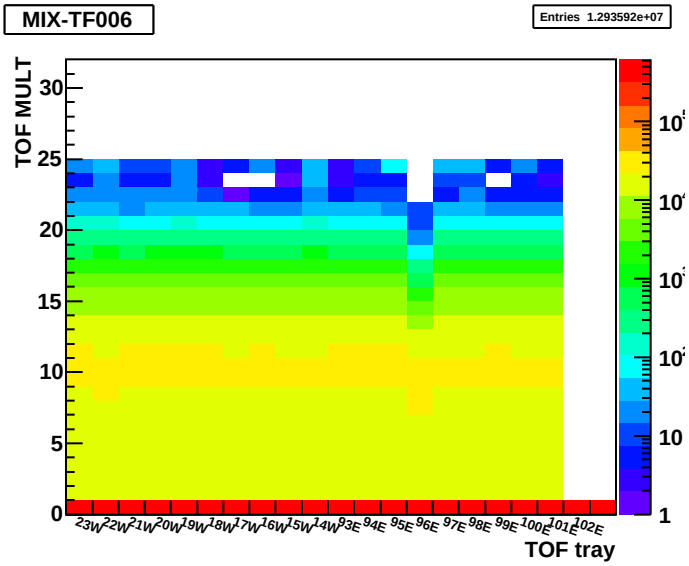

MIX-TF001
Entries 1.293592e+07
TOF MULT
TOF tray

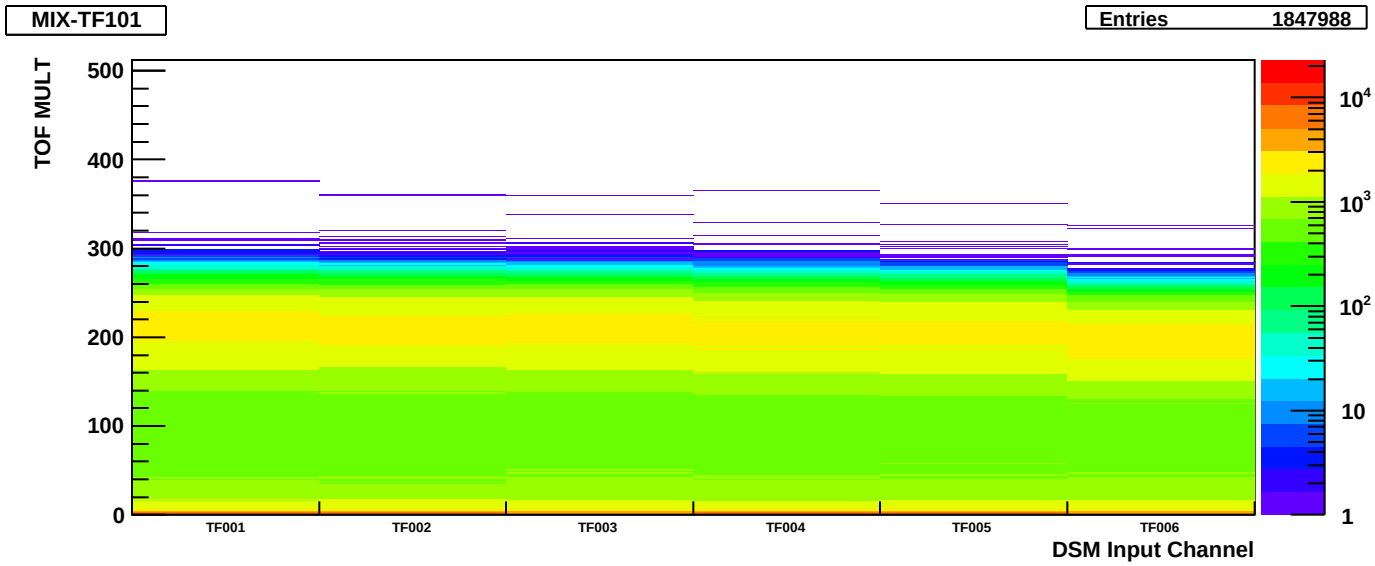

MIX-TF002
Entries 1.293592e+07
TOF MULT
TOF tray

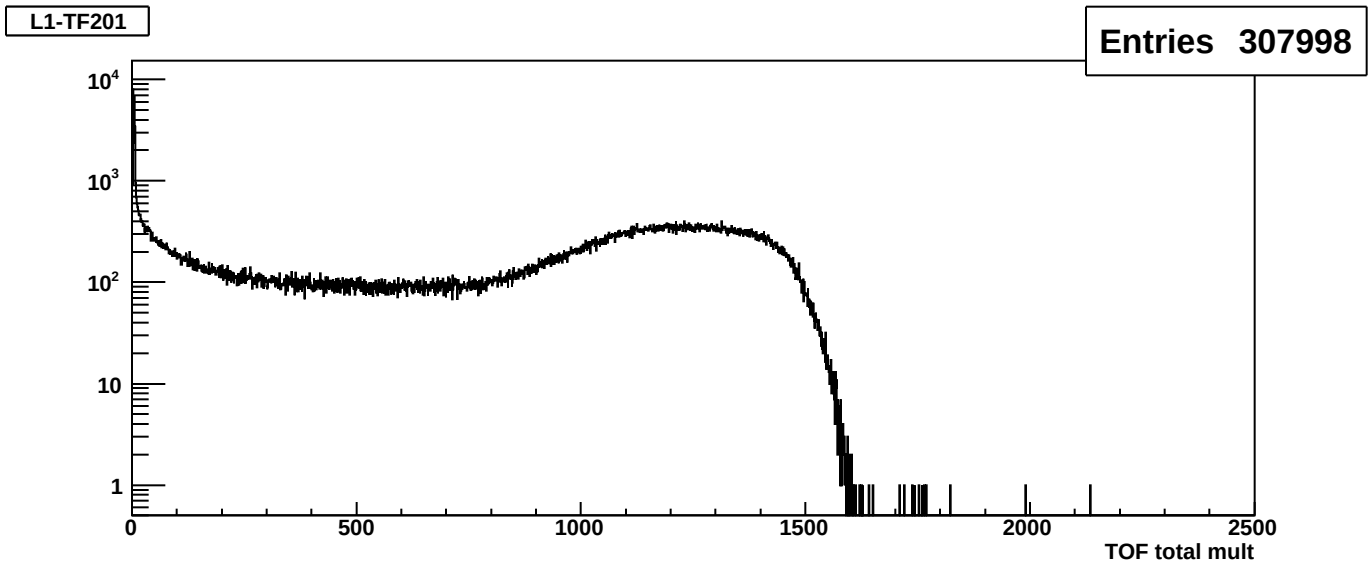

MIX-TF003
Entries 1.293592e+07
TOF MULT
TOF tray

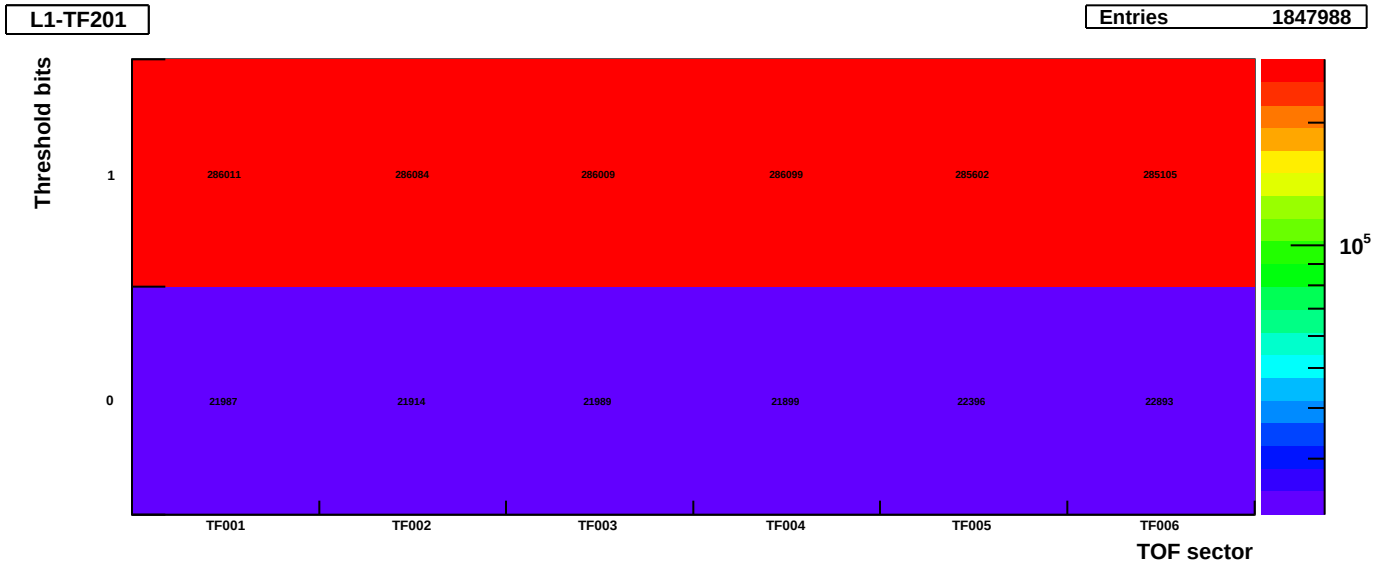

MIX-TF004
Entries 1.293592e+07
TOF MULT
TOF tray

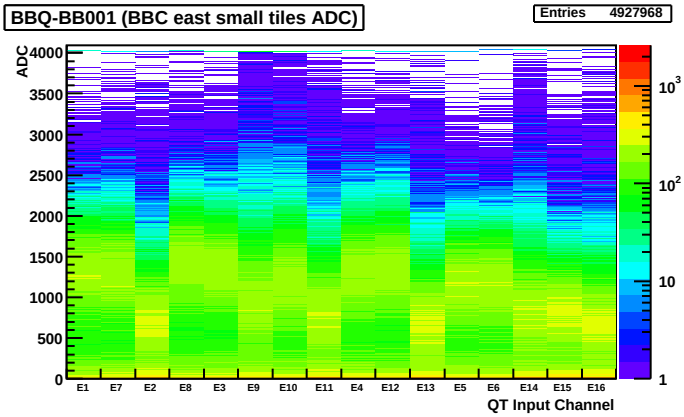

MIX-TF005
Entries 1.293592e+07
TOF MULT
TOF tray

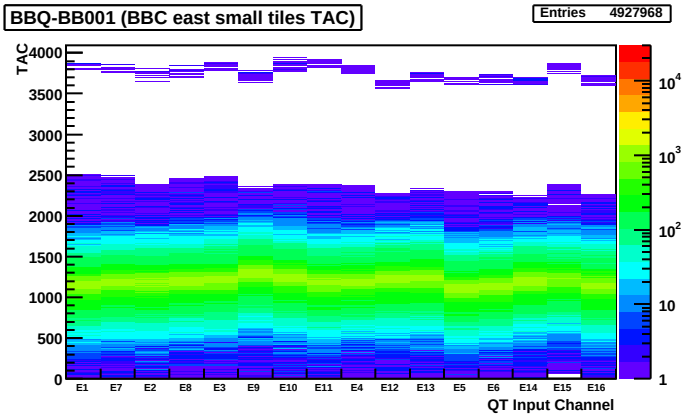

MIX-TF006
Entries 1.293592e+07
TOF MULT
TOF tray

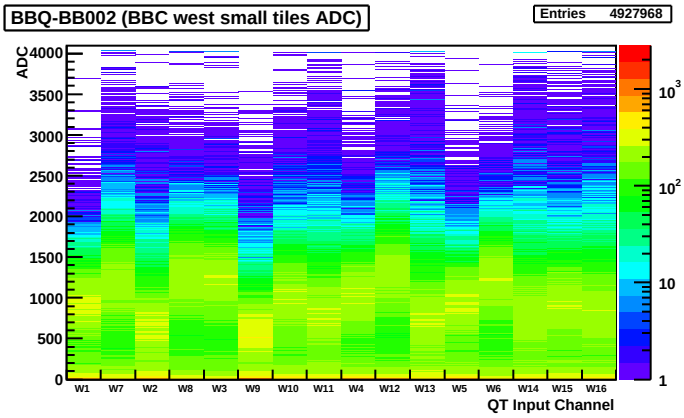

MIX-TF101
Entries 1847988
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

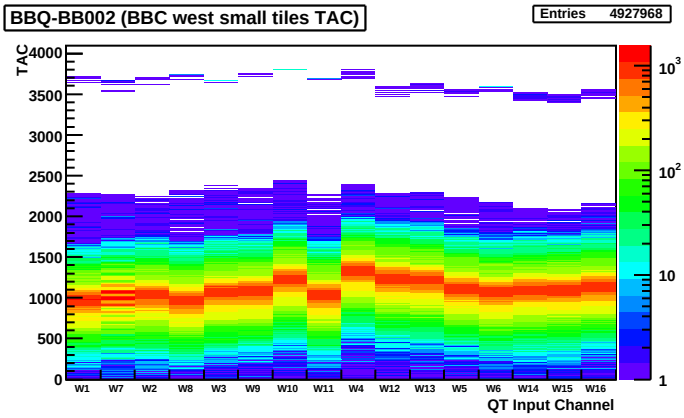

L1-TF201
Entries 307998
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

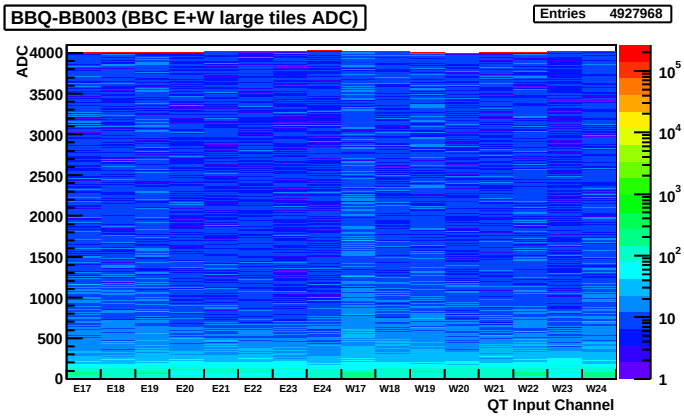

L1-TF201
Entries 1847988
Threshold bits
1
0
286011
286084
286009
286099
285602
285105
21987
21914
21989
21899
22396
22893
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

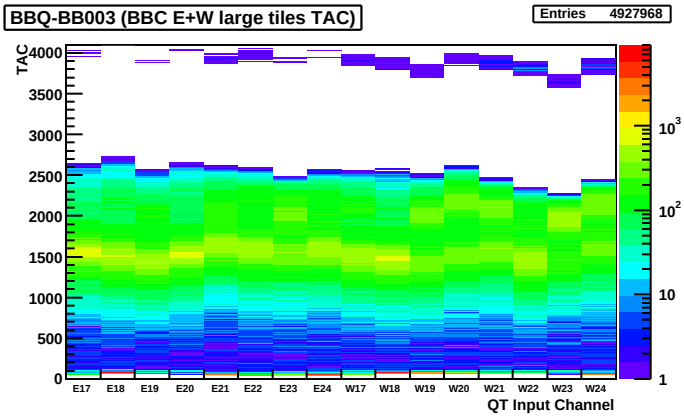

BBQ-BB001 (BBC east small tiles ADC)
Entries 4927968
ADC
QT Input Channel

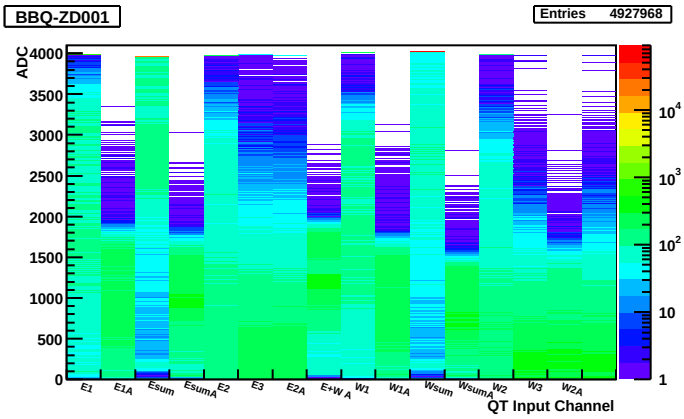

BBQ-BB001 (BBC east small tiles TAC)
Entries 4927968
TAC
QT Input Channel

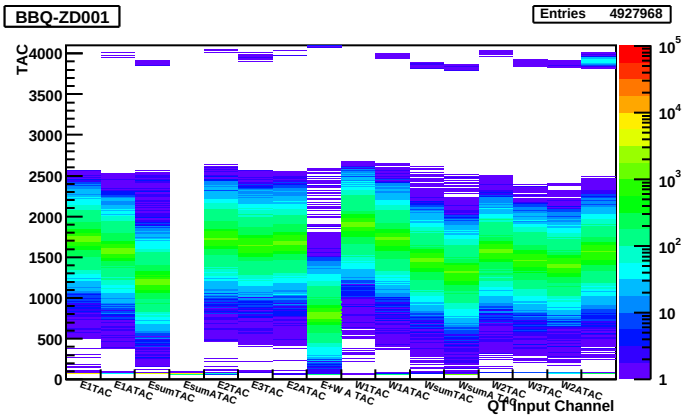

BBQ-BB002 (BBC west small tiles ADC)
Entries 4927968
ADC
QT Input Channel

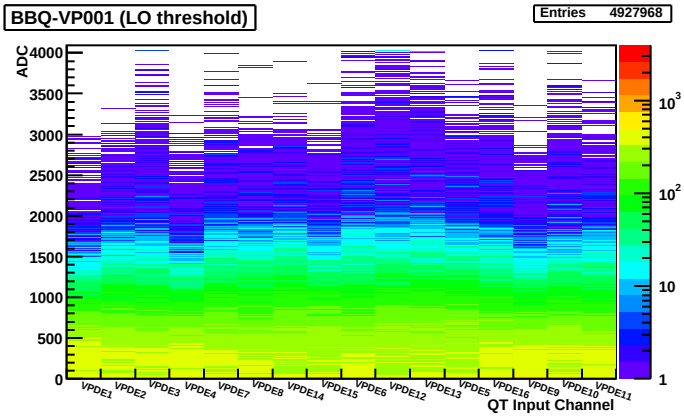

BBQ-BB002 (BBC west small tiles TAC)
Entries 4927968
TAC
QT Input Channel

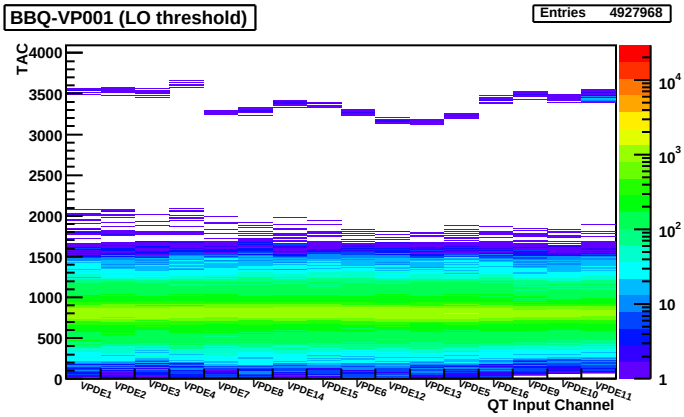

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4927968
ADC
QT Input Channel

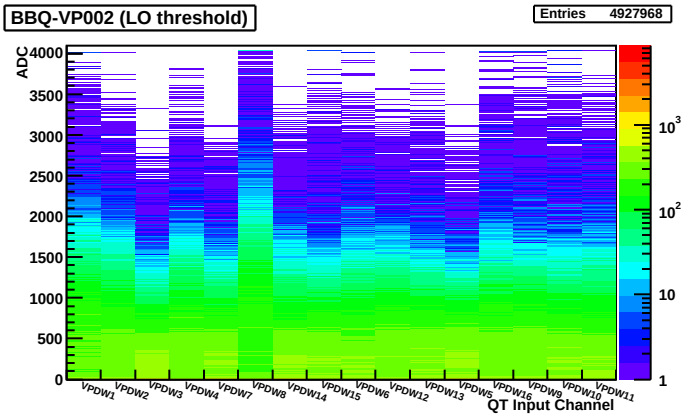

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4927968
TAC
QT Input Channel

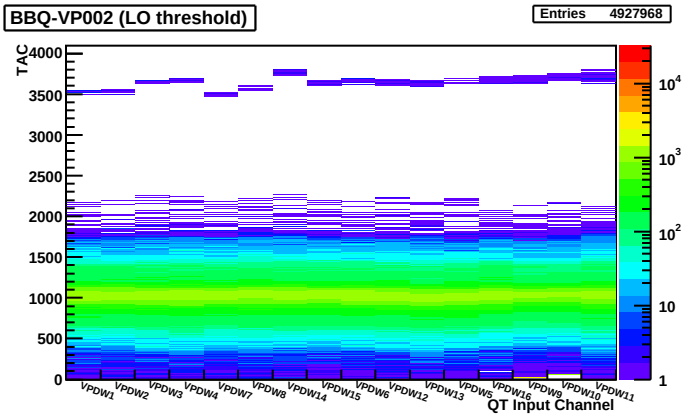

BBQ-ZD001
Entries 4927968
ADC
QT Input Channel

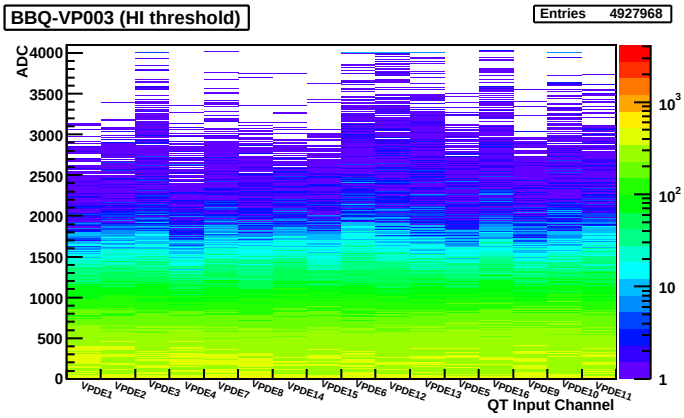

BBQ-ZD001
Entries 4927968
TAC
QT Input Channel

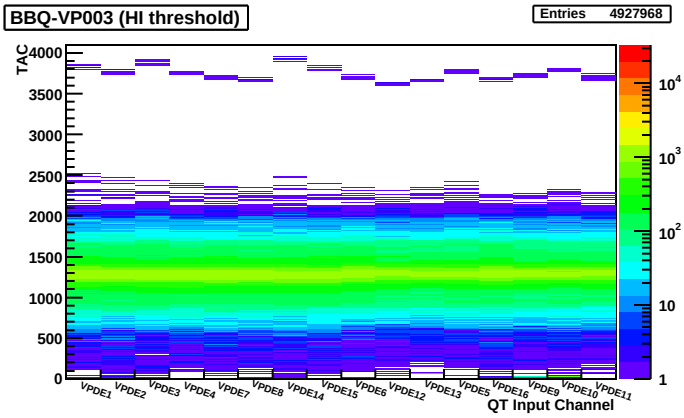

BBQ-VP001 (LO threshold)
Entries 4927968
ADC
QT Input Channel

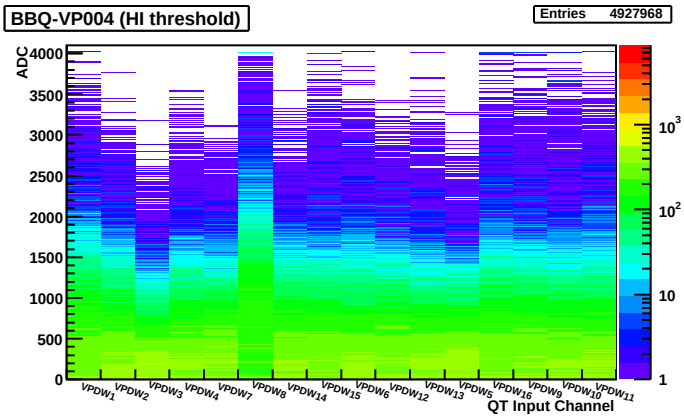

BBQ-VP001 (LO threshold)
Entries 4927968
TAC
QT Input Channel

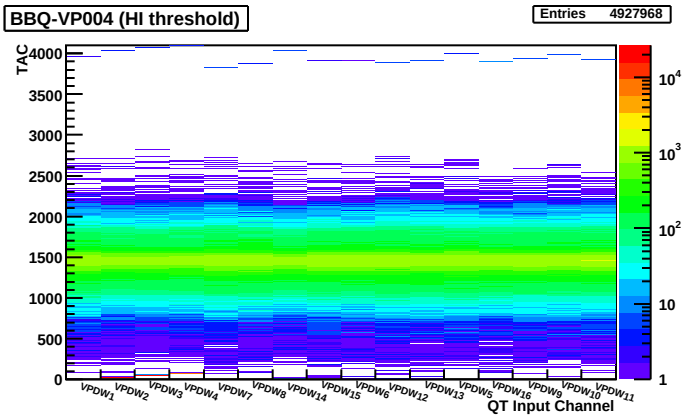

BBQ-VP002 (LO threshold)
Entries 4927968
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 4927968
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4927968
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4927968
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4927968
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4927968
TAC
QT Input Channel