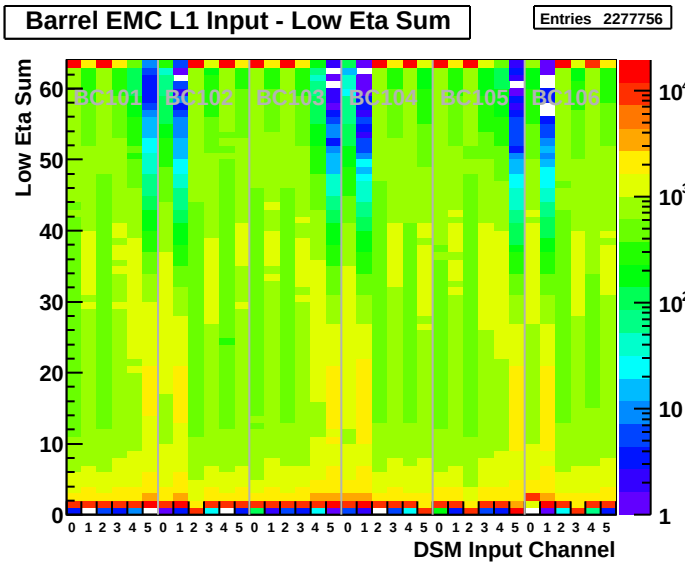
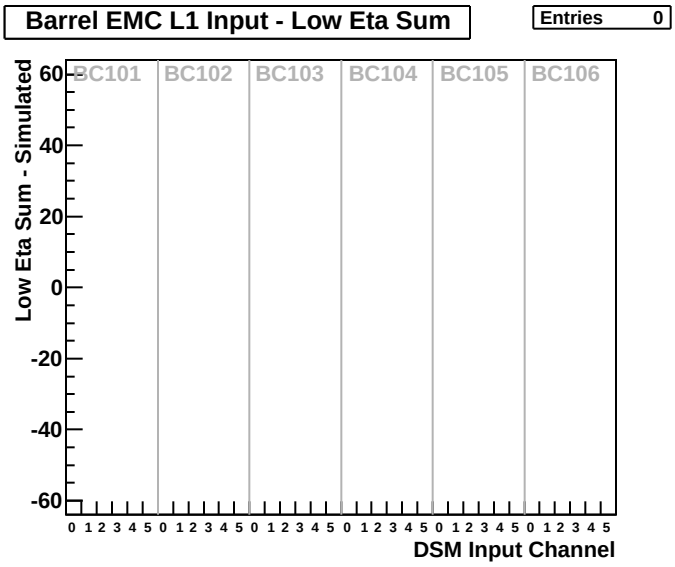
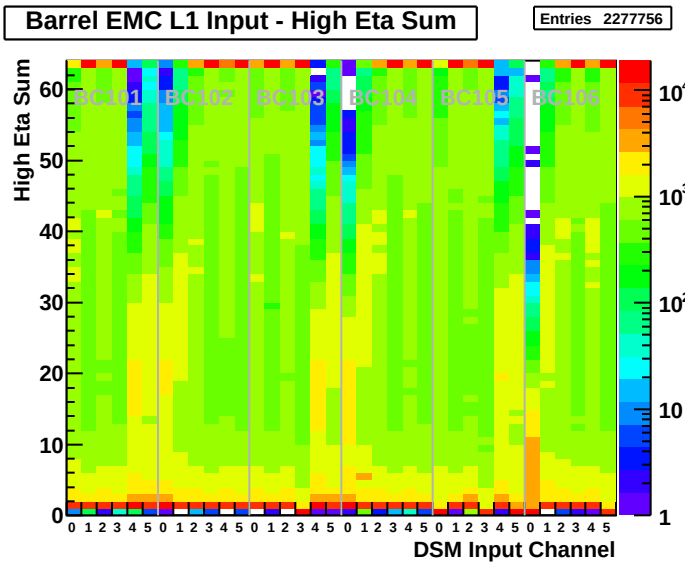
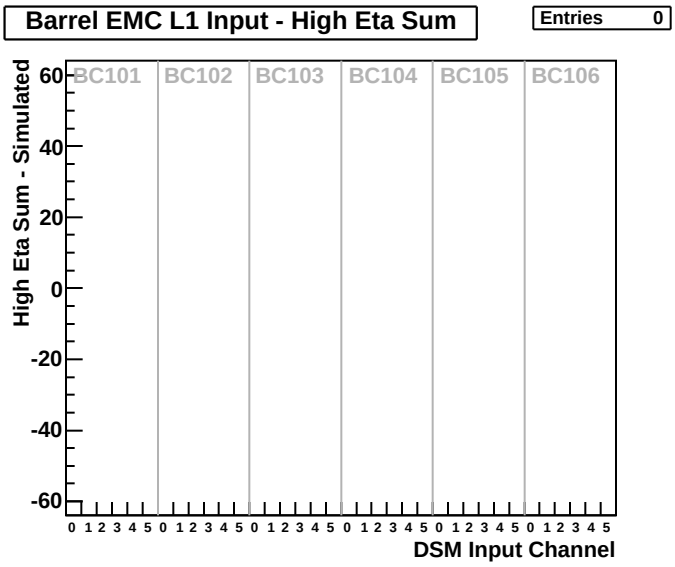
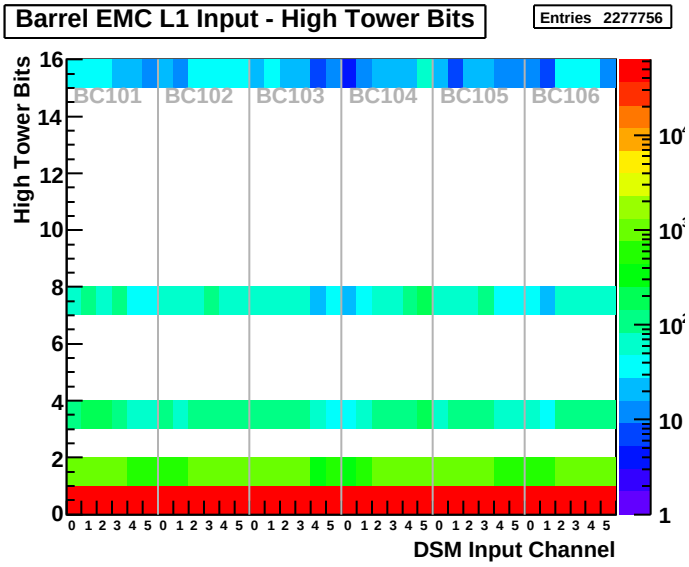
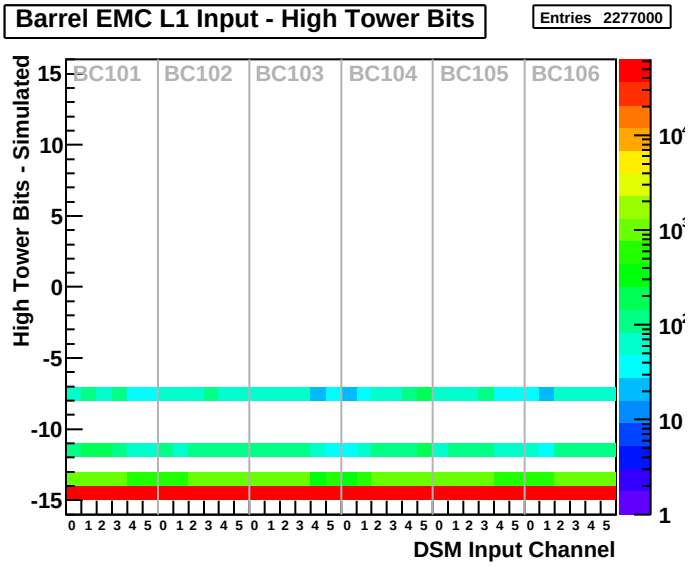

Barrel EMC L1 Input - Low Eta Sum
Entries 2277756
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

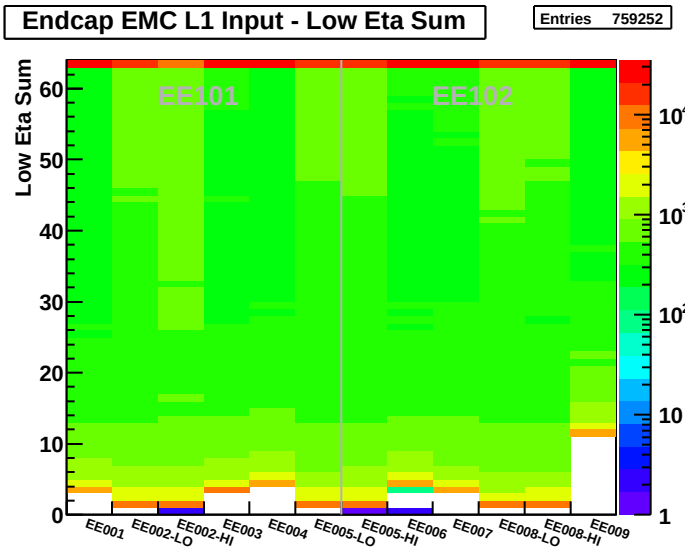

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

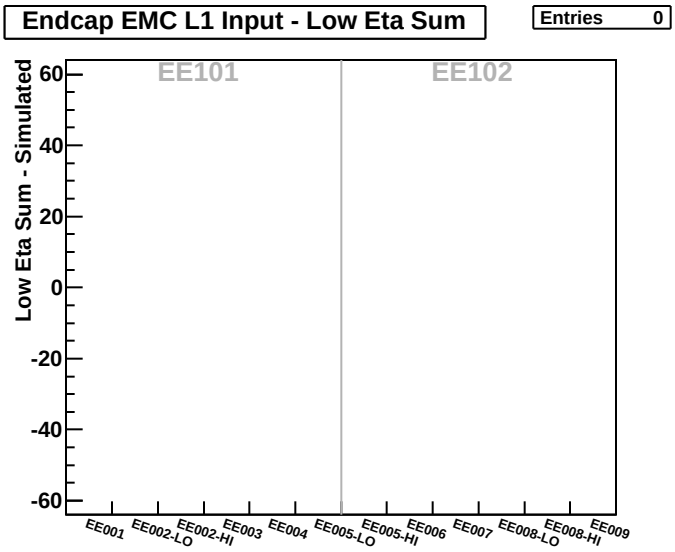

Barrel EMC L1 Input - High Eta Sum
Entries 2277756
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

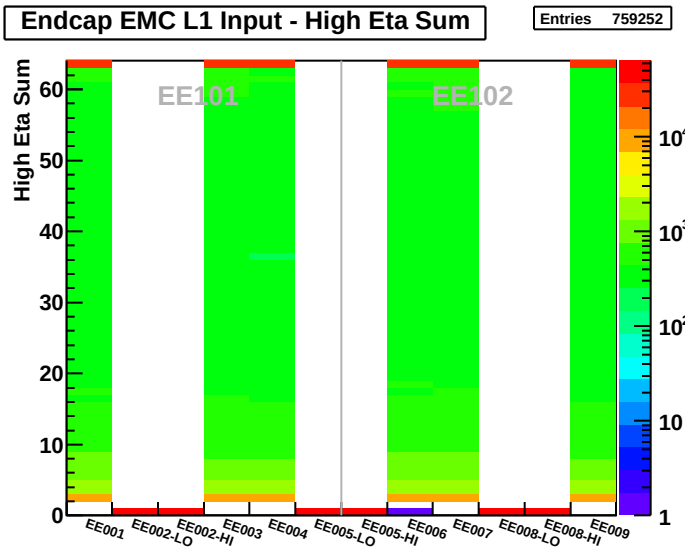

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

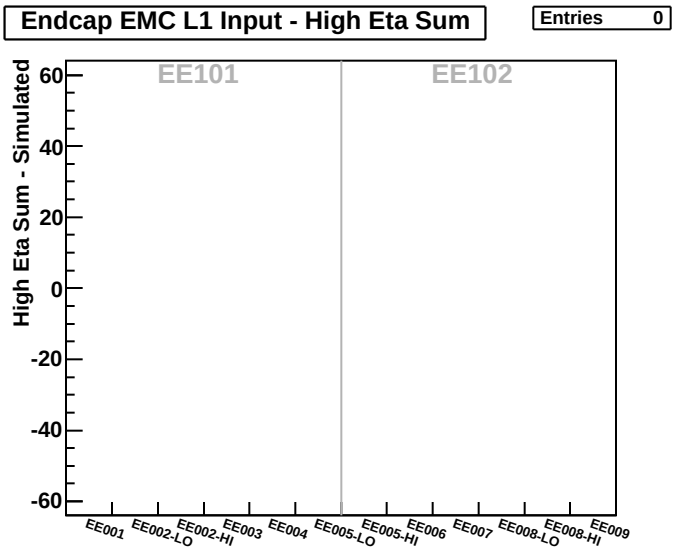

Barrel EMC L1 Input - High Tower Bits
Entries 2277756
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

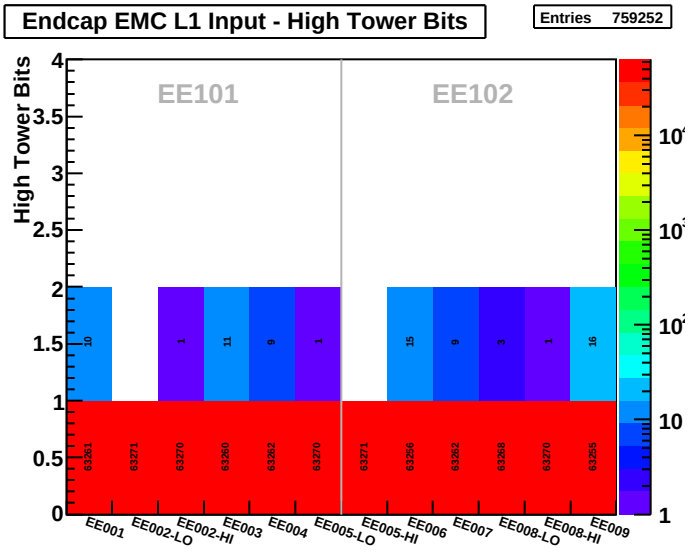

Barrel EMC L1 Input - High Tower Bits
Entries 2277000
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

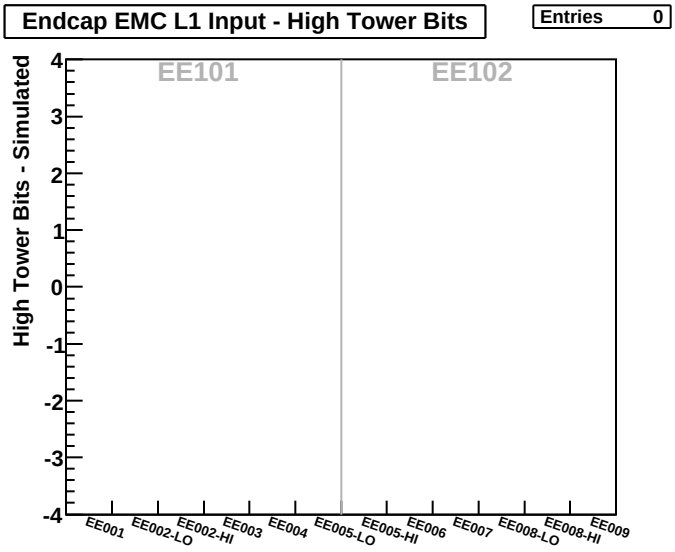

Endcap EMC L1 Input - Low Eta Sum
Entries 759252
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

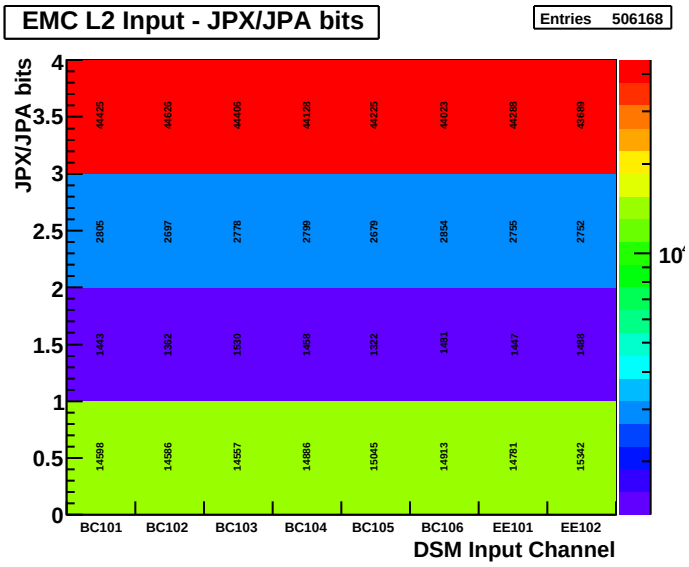

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

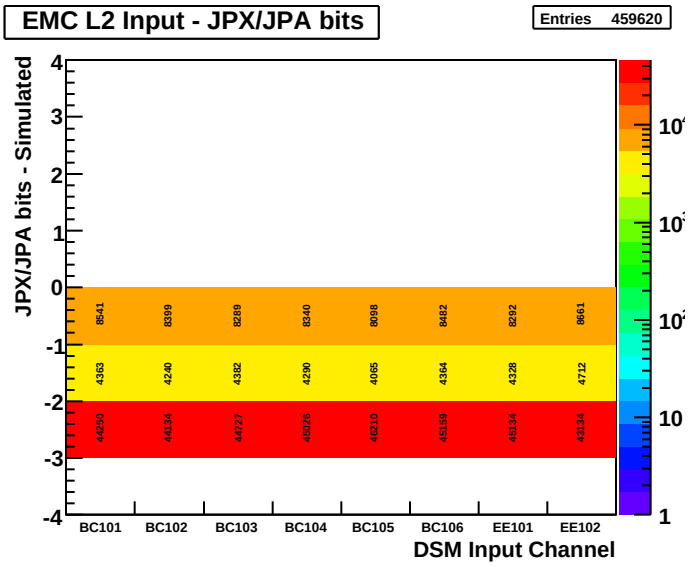

Endcap EMC L1 Input - High Eta Sum
Entries 759252
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

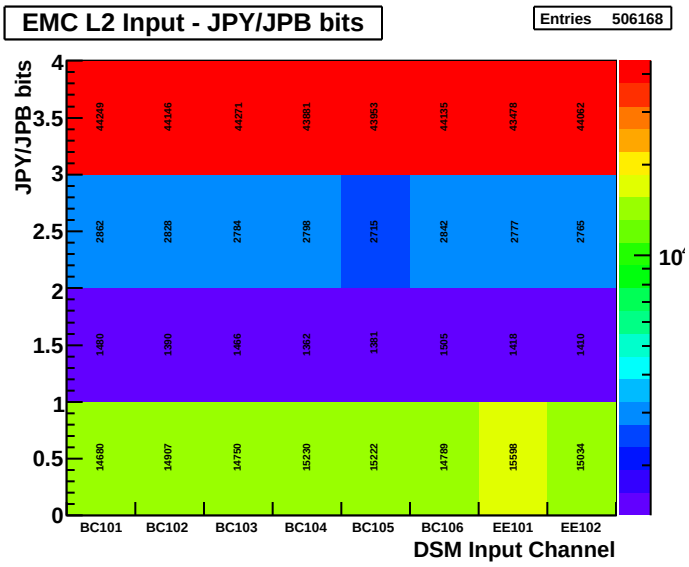

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

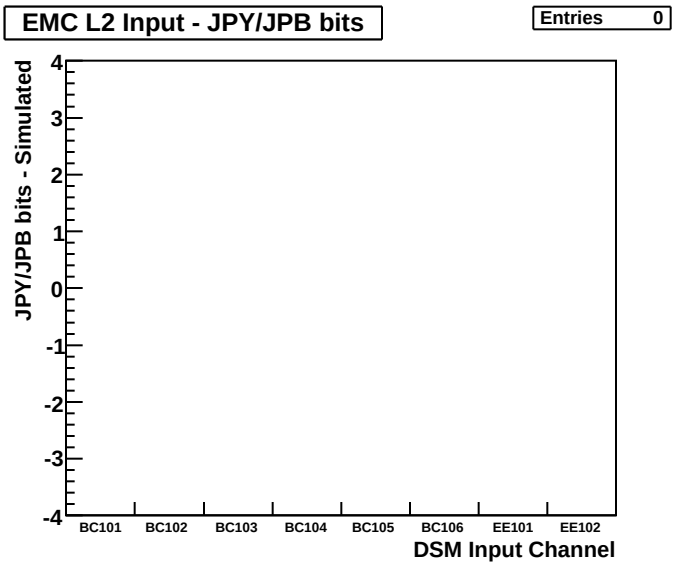

Endcap EMC L1 Input - High Tower Bits
Entries 759252
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

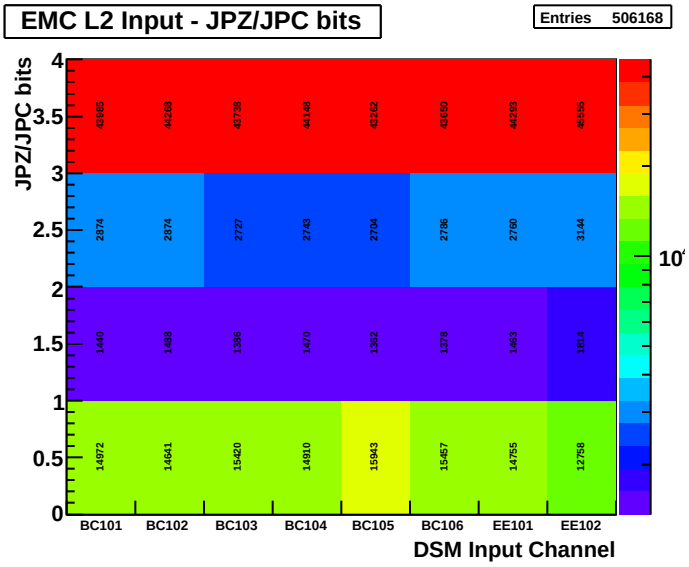

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

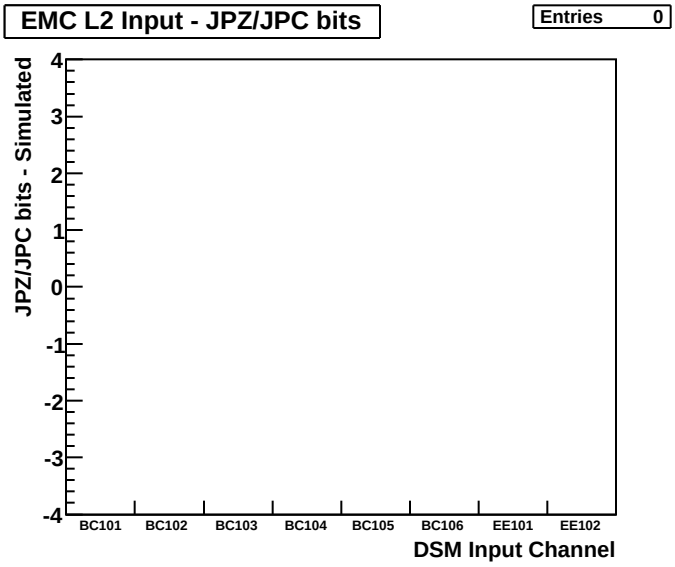

EMC L2 Input - JPX/JPA bits
Entries 506168
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
44425 44626 44406 44128 44225 44023 44288 43689
2805 2697 2778 2799 2679 2854 2755 2752
1443 1362 1530 1458 1322 1491 1447 1488
14598 14586 14557 14886 15045 14913 14781 15342

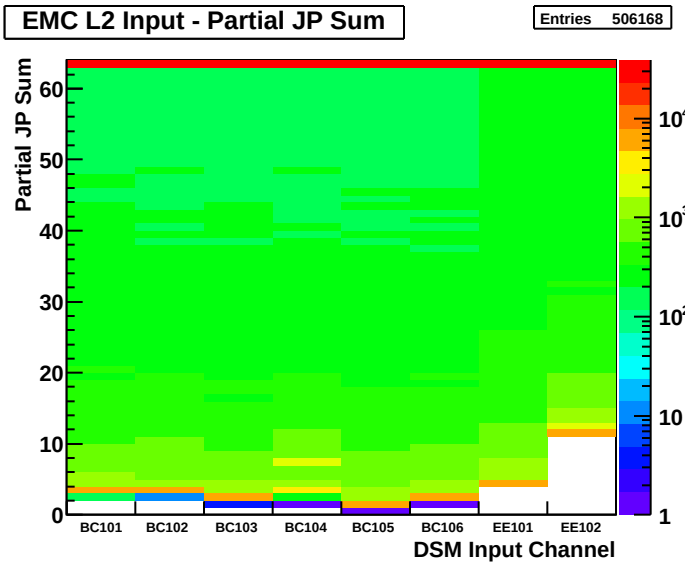

EMC L2 Input - JPX/JPA bits
Entries 459620
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
8541 8399 8289 8340 8098 8482 8292 8661
4363 4240 4382 4290 4065 4364 4328 4712
44250 44134 44727 45026 46210 45159 45134 43134

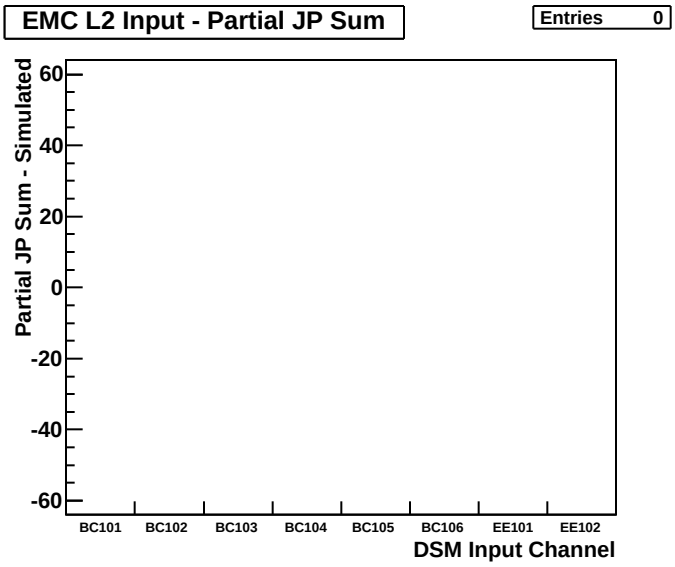

EMC L2 Input - JPY/JPB bits
Entries 506168
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
44249 44146 44271 43881 43953 44135 43478 44062
2862 2828 2784 2798 2715 2842 2777 2765
1480 1390 1466 1362 1381 1505 1418 1410
14680 14907 14750 15230 15222 14789 15598 15034

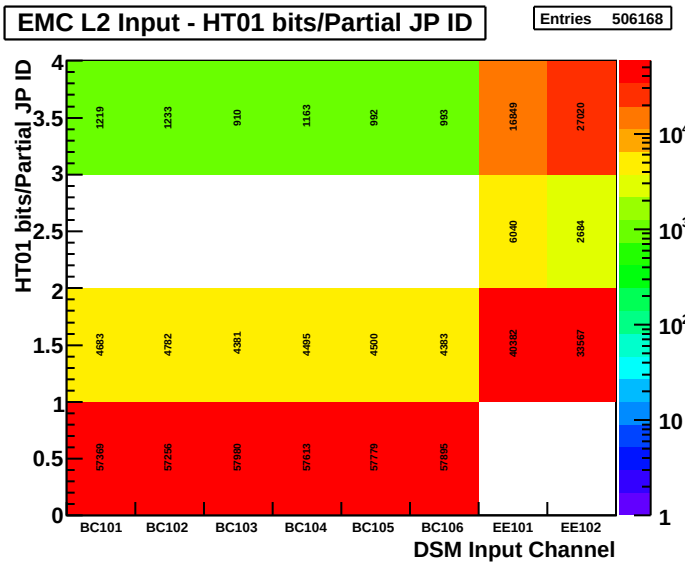

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

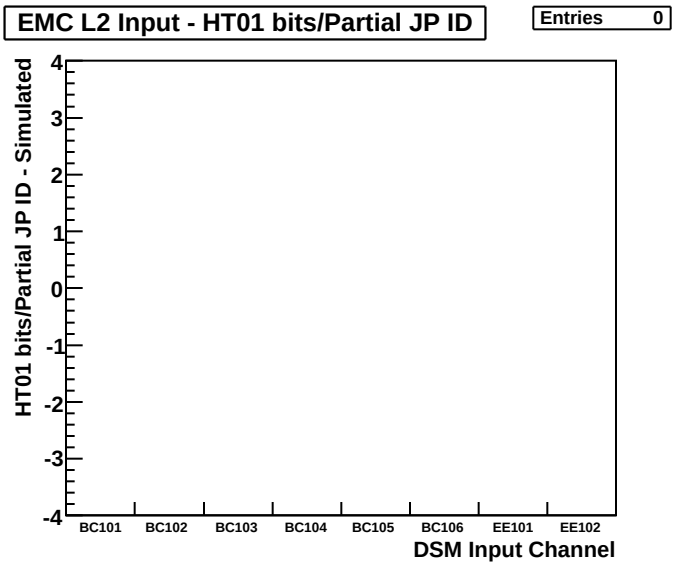

EMC L2 Input - JPZ/JPC bits
Entries 506168
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
43985 44268 43738 44148 43262 43650 44293 45555
2874 2874 2727 2743 2704 2786 2760 3144
1440 1483 1386 1470 1362 1378 1463 1814
14972 14641 15420 14810 15943 15657 14755 12758

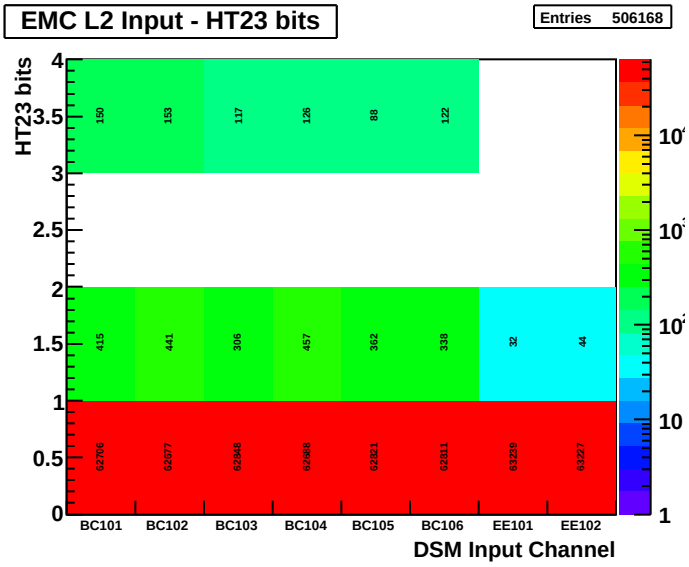

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

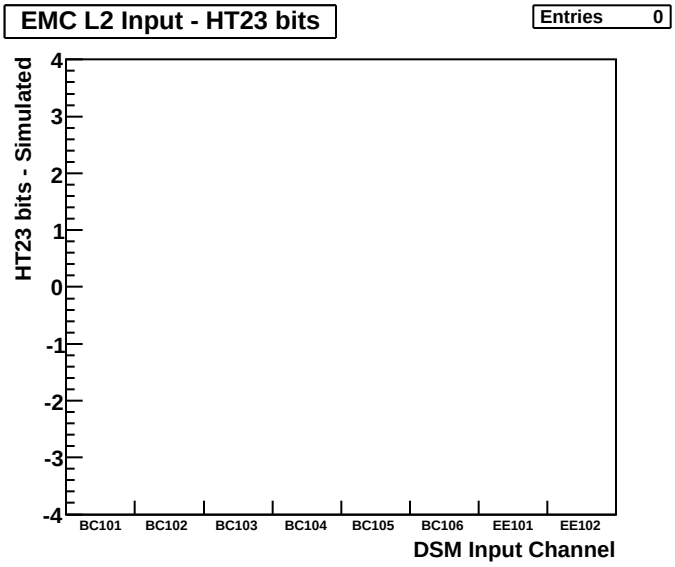

EMC L2 Input - Partial JP Sum
Entries 506168
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

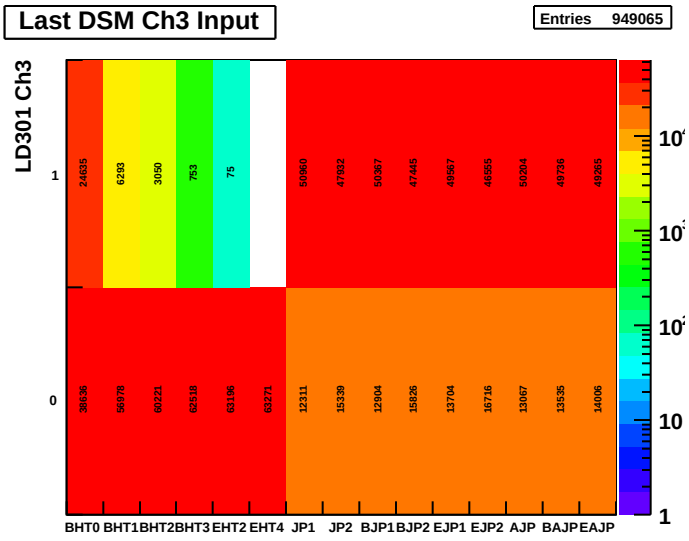

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

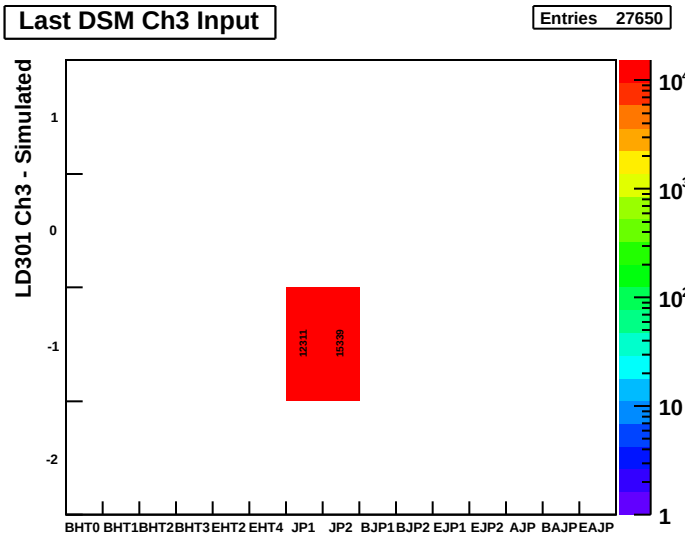

EMC L2 Input - HT01 bits/Partial JP ID
Entries 506168
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

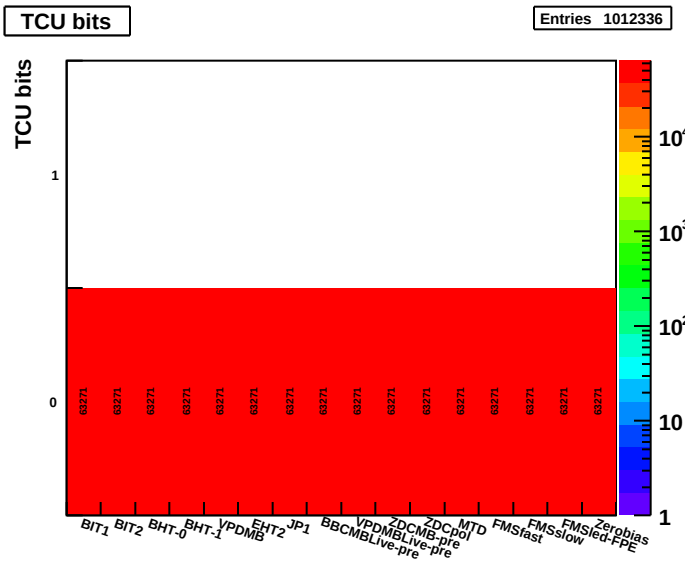

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

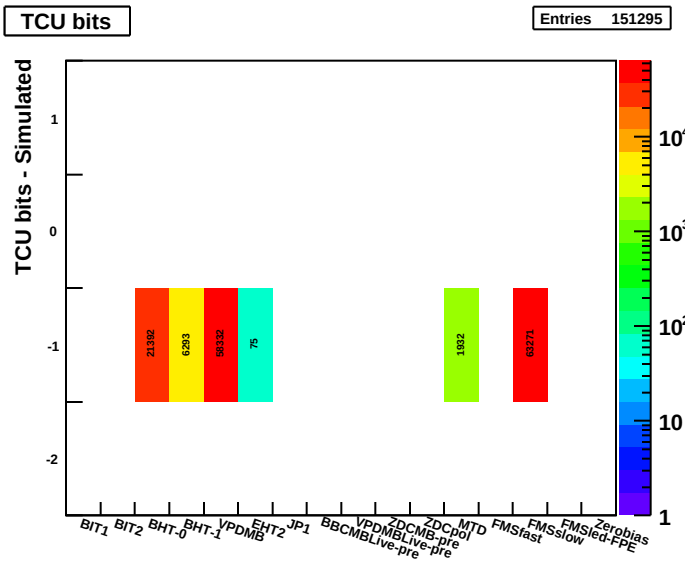

EMC L2 Input - HT23 bits
Entries 506168
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

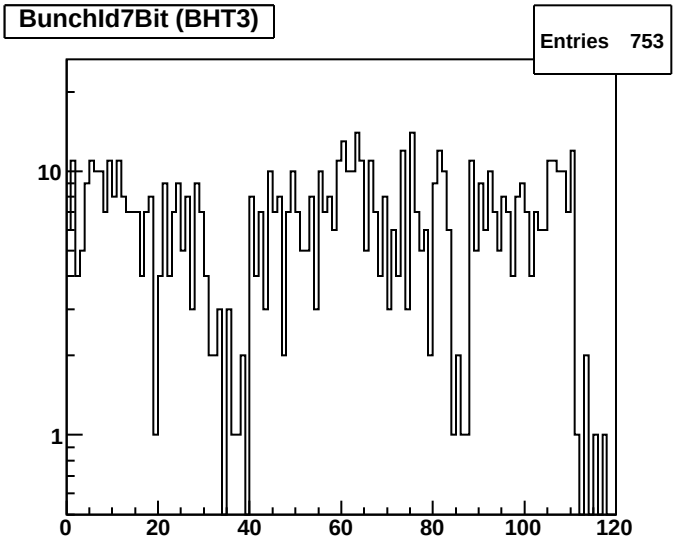

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

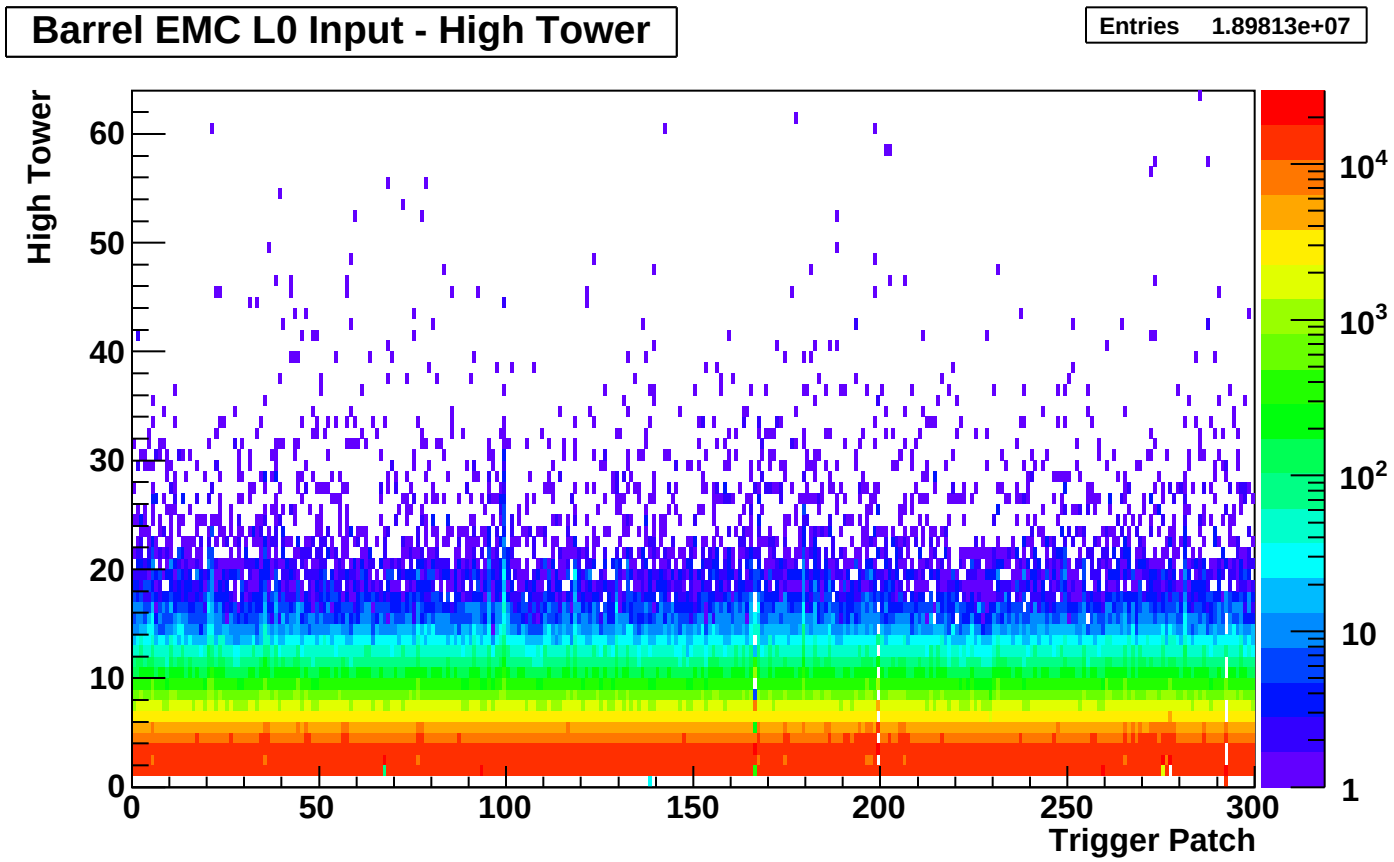

Last DSM Ch3 Input
Entries 949065
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

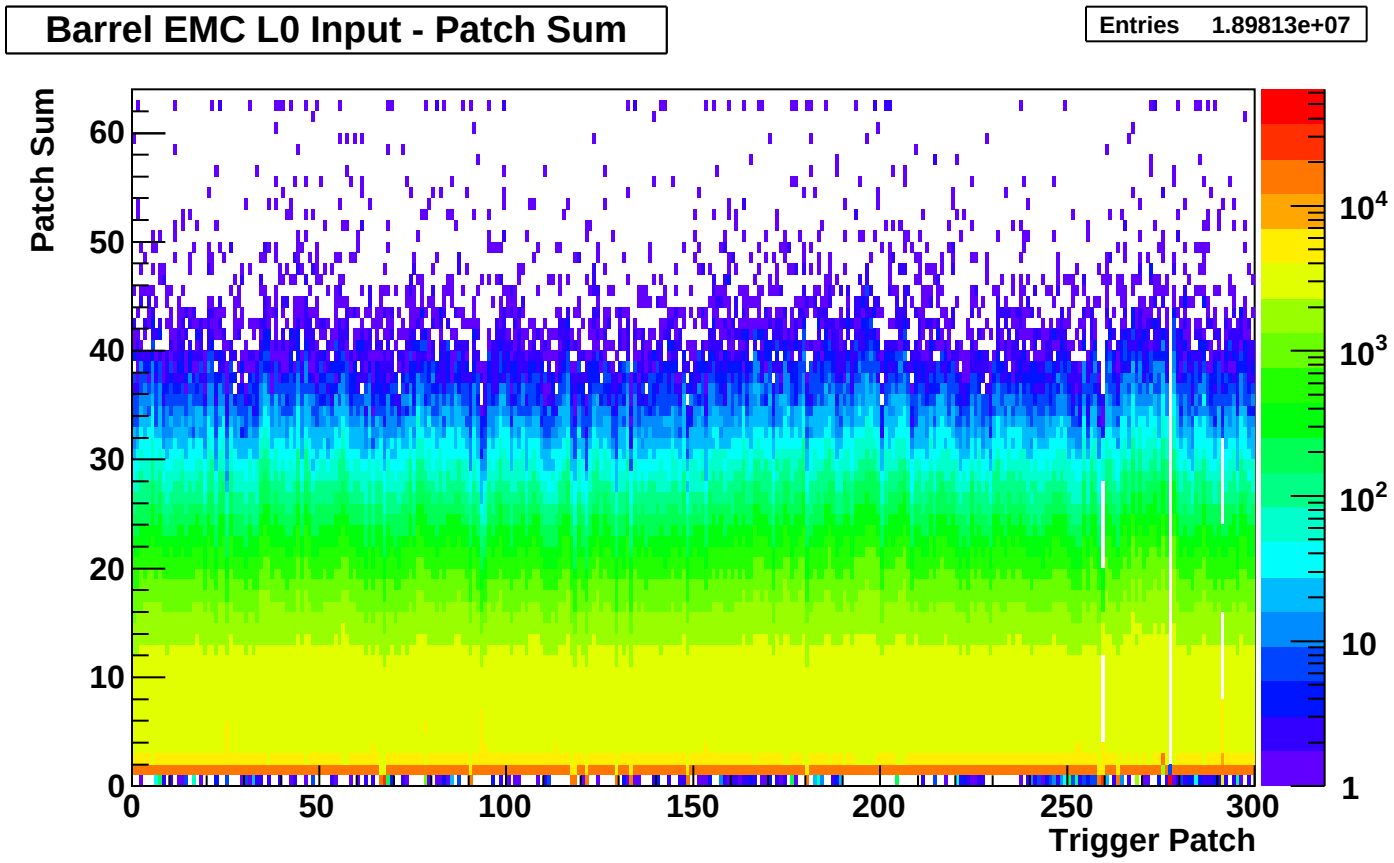

Last DSM Ch3 Input
Entries 27650
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

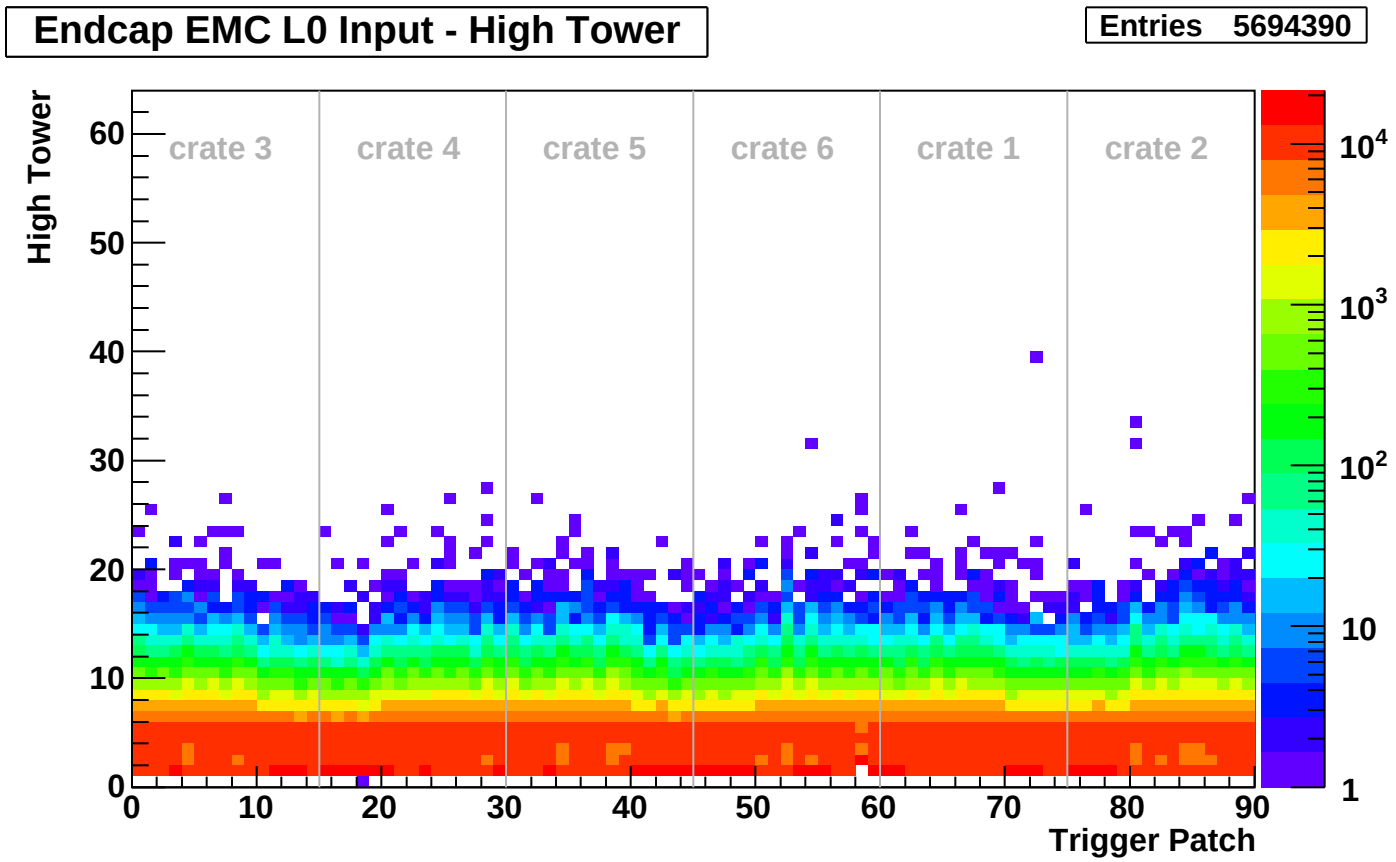

TCU bits
Entries 1012336
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

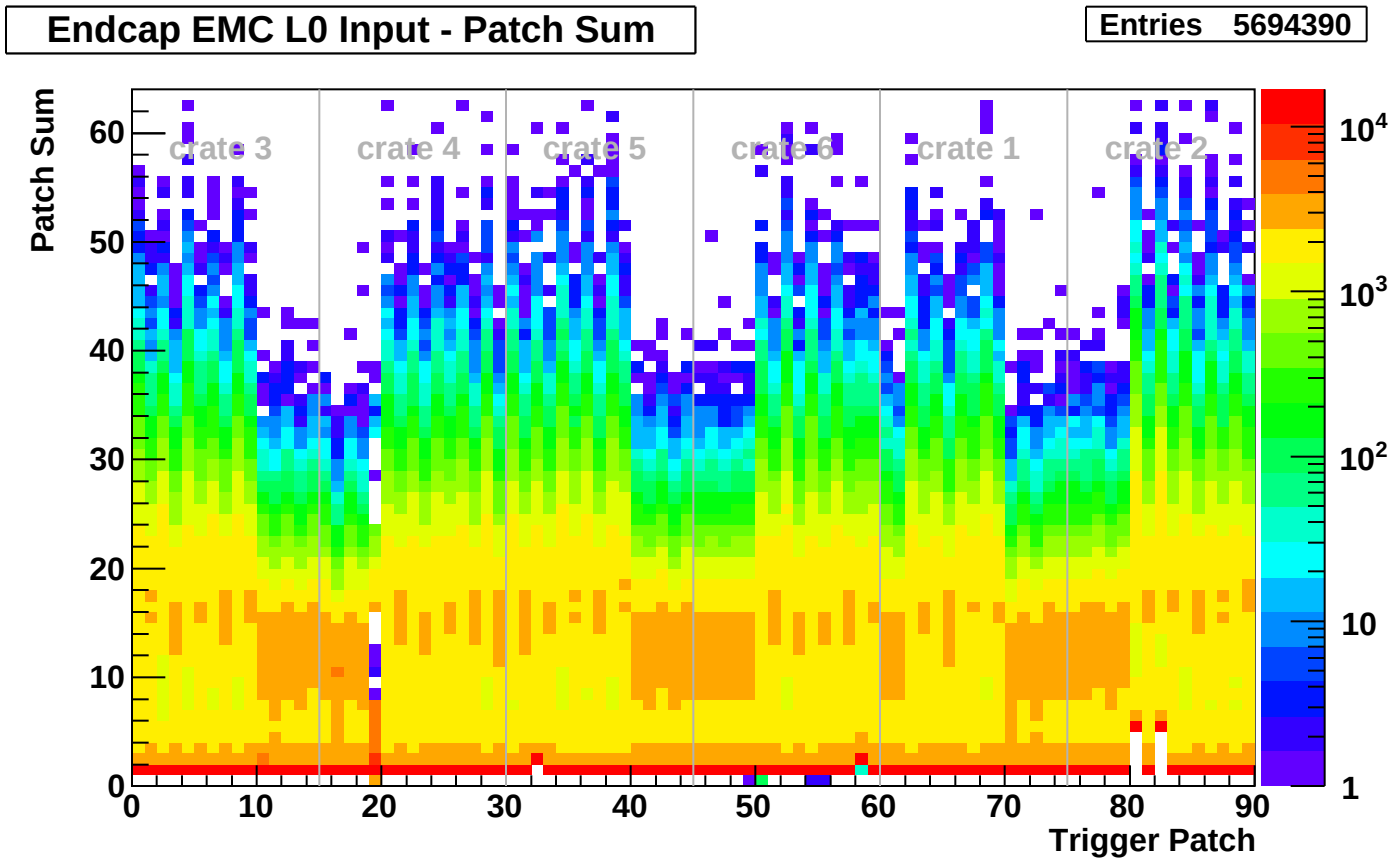

TCU bits
Entries 151295
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

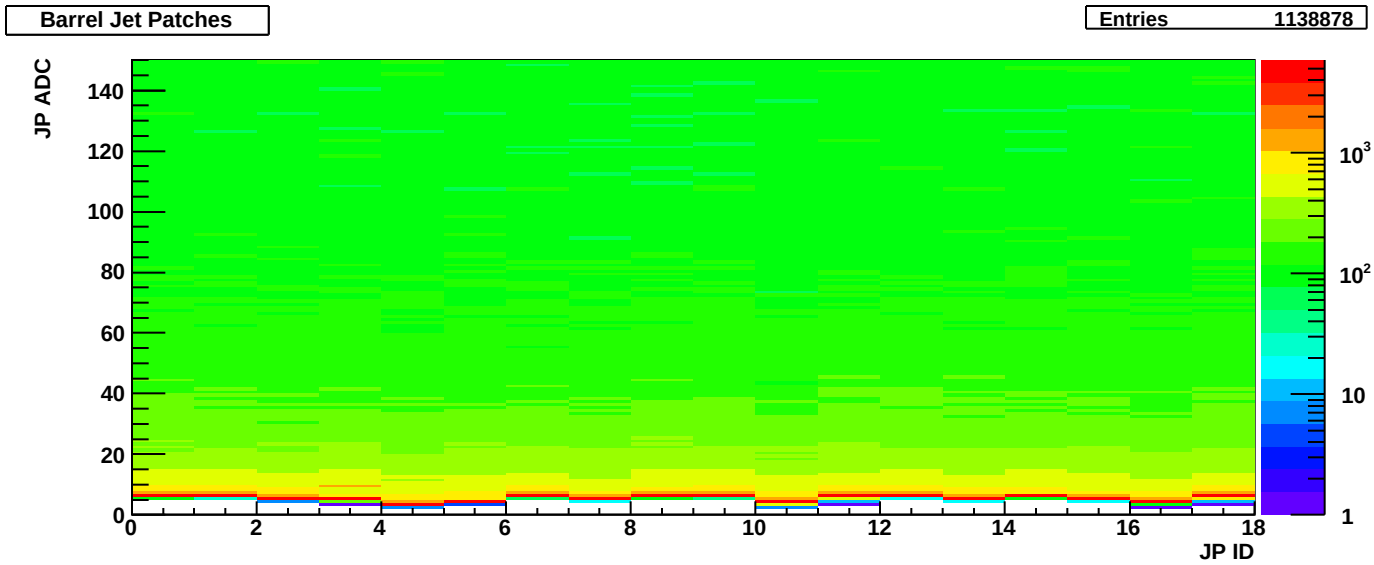

BunchId7Bit (BHT3)
Entries 753

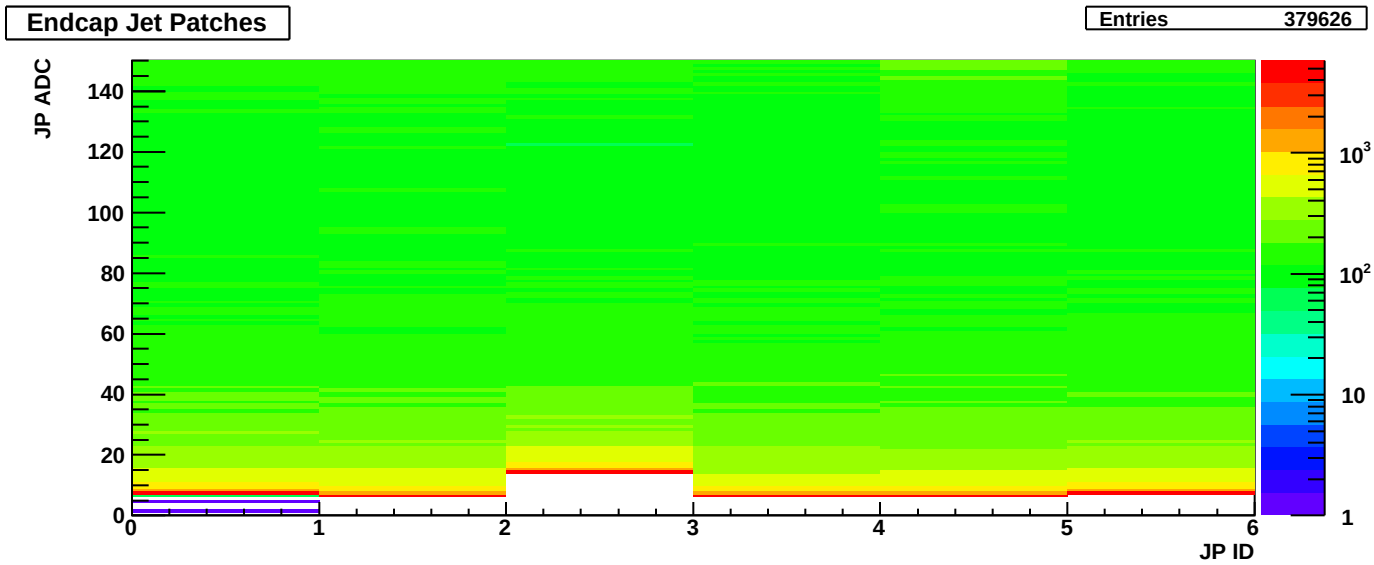

Barrel EMC L0 Input - High Tower
Entries 1.89813e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

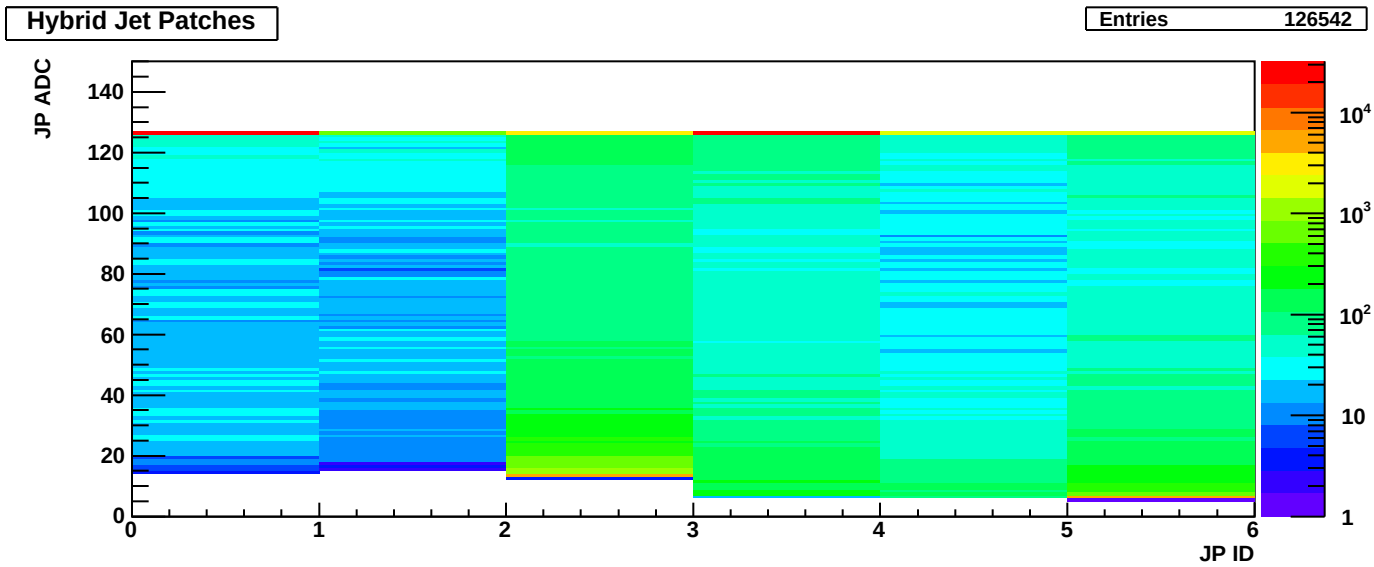

Barrel EMC L0 Input - Patch Sum
Entries 1.89813e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

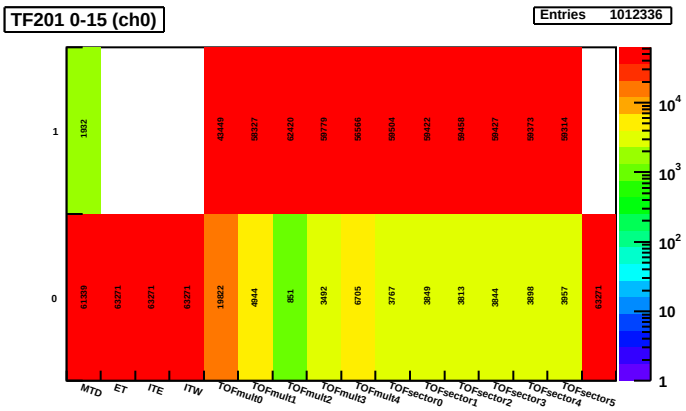

Endcap EMC L0 Input - High Tower
Entries 5694390
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

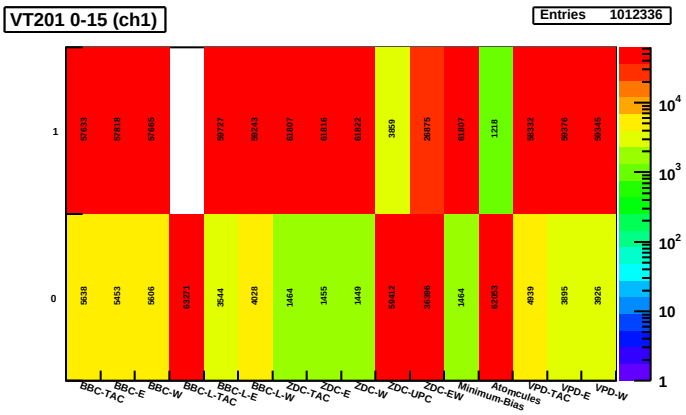

Endcap EMC L0 Input - Patch Sum
Entries 5694390
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

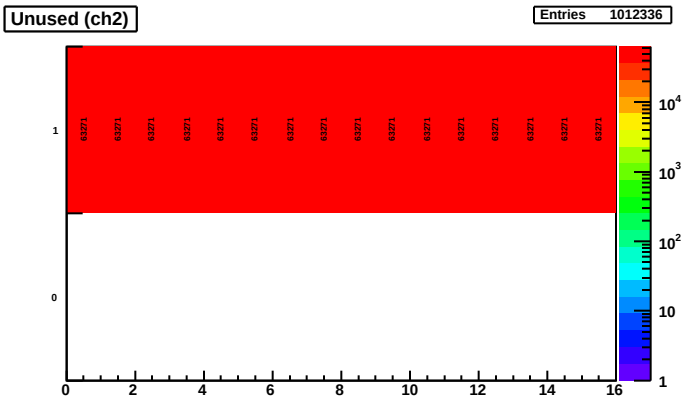

Barrel Jet Patches
Entries 1138878
JP ADC
JP ID

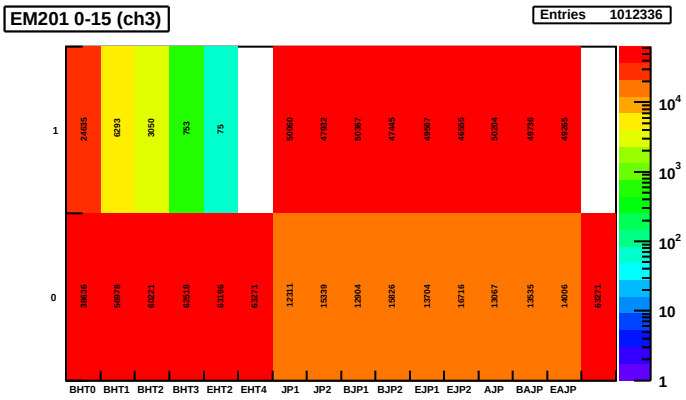

Endcap Jet Patches
Entries 379626
JP ADC
JP ID

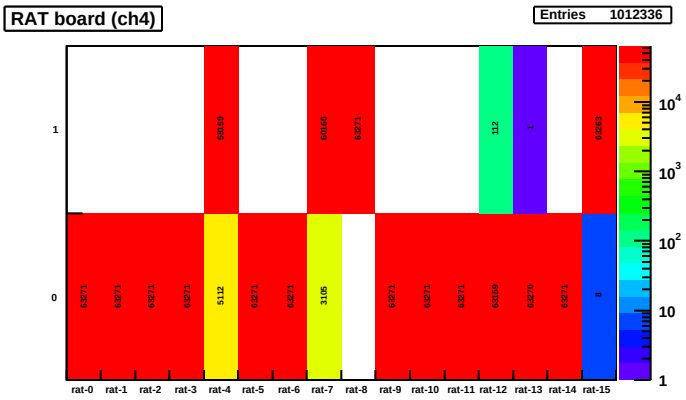

Hybrid Jet Patches
Entries 126542
JP ADC
JP ID

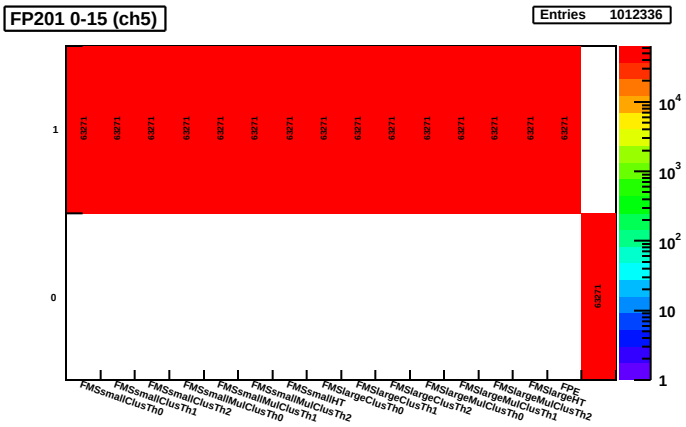

TF201 0-15 (ch0)
Entries 1012336
1 1932 43449 59327 62420 59779 56666 59504 59422 59458 59427 59373 59314
0 61329 63271 63271 63271 19922 4944 851 3492 6705 3767 3849 3813 3844 3898 3957 63271
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5
10^4 10^3 10^2 10 1

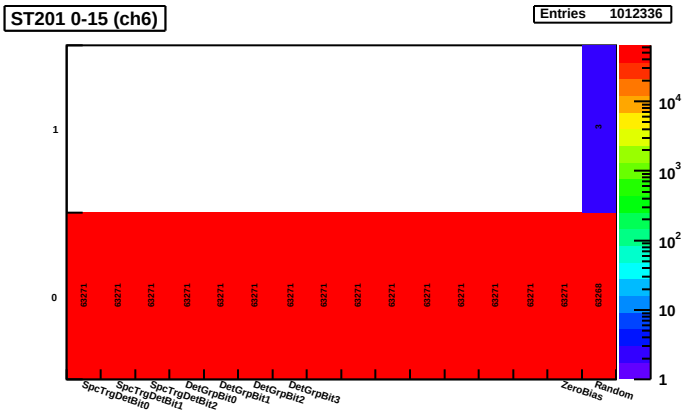

VT201 0-15 (ch1)
Entries 1012336
1 57633 57818 57665 59727 59243 61807 61816 61822 3869 26875 61607 1218 58332 59376 59345
0 5638 5453 5606 63271 3544 4028 1464 1455 1449 59412 36386 1464 62053 4939 3895 3926
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W
10^4 10^3 10^2 10 1

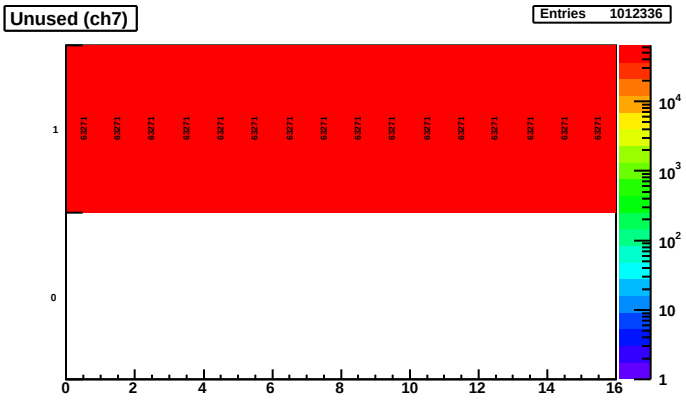

Unused (ch2)
Entries 1012336
1 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271
0
0 2 4 6 8 10 12 14 16
10^4 10^3 10^2 10 1

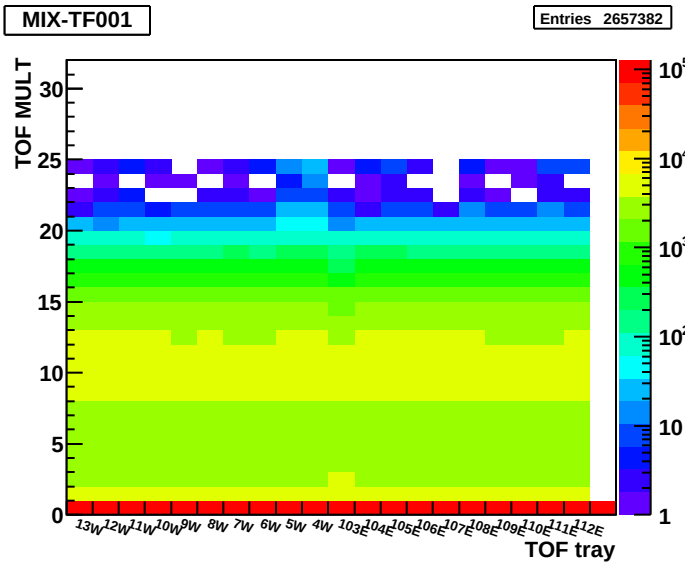

EM201 0-15 (ch3)
Entries 1012336
1 24635 6293 3050 753 75 50960 47932 50387 47445 49567 46555 50204 49736 49265
0 38636 56978 60221 62518 63196 63271 12311 15339 12904 13826 13704 16716 13067 13535 14006 63271
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP
10^4 10^3 10^2 10 1

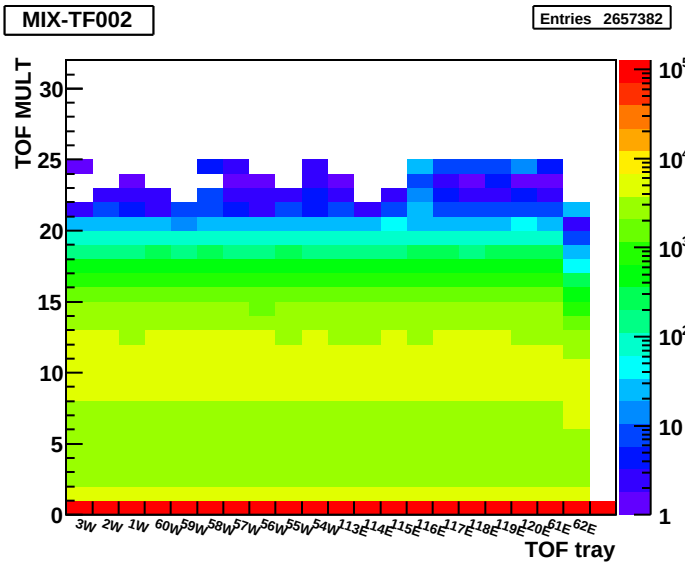

RAT board (ch4)
Entries 1012336
1 59159 60166 63271 112 1 63263
0 63271 63271 63271 63271 5112 63271 63271 3105 63271 63271 63271 63159 63270 63271 8
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15
10^4 10^3 10^2 10 1

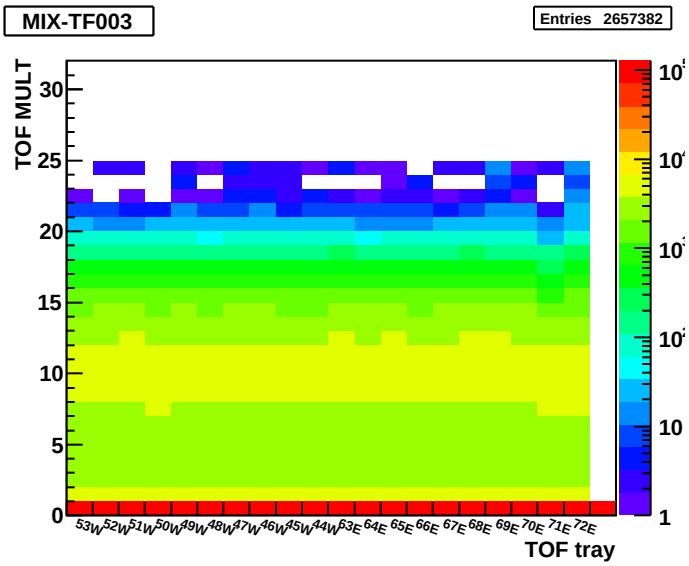

FP201 0-15 (ch5)
Entries 1012336
1 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271
0 63271
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE
10^4 10^3 10^2 10 1

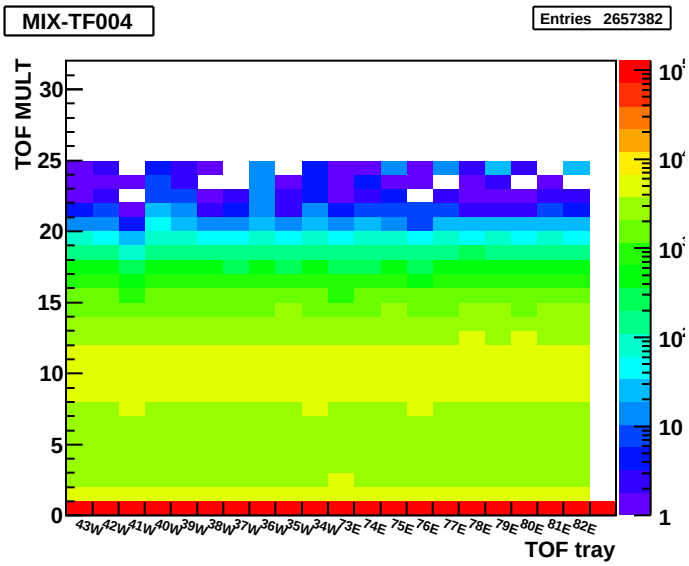

ST201 0-15 (ch6)
Entries 1012336
1 3
0 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63268
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random
10^4 10^3 10^2 10 1

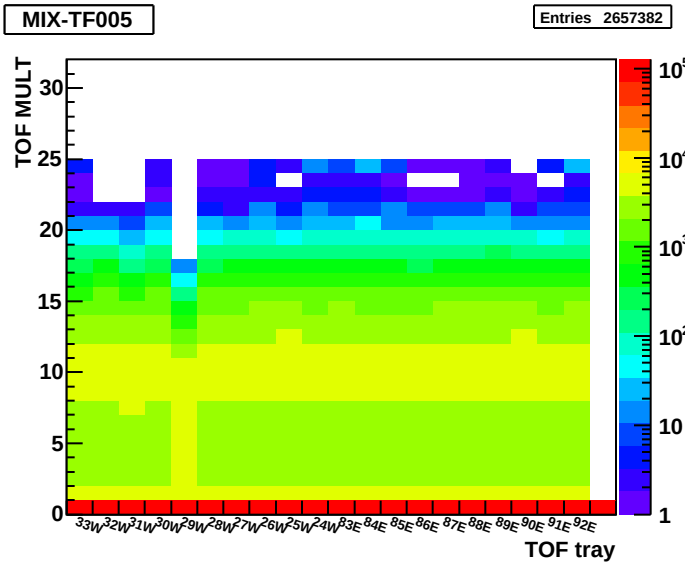

Unused (ch7)
Entries 1012336
1 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271 63271
0
0 2 4 6 8 10 12 14 16
10^4 10^3 10^2 10 1

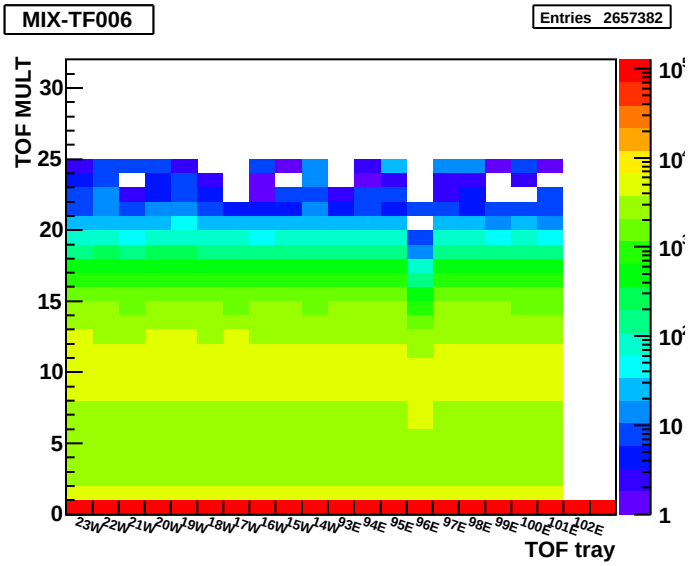

MIX-TF001
Entries 2657382
TOF MULT
TOF tray

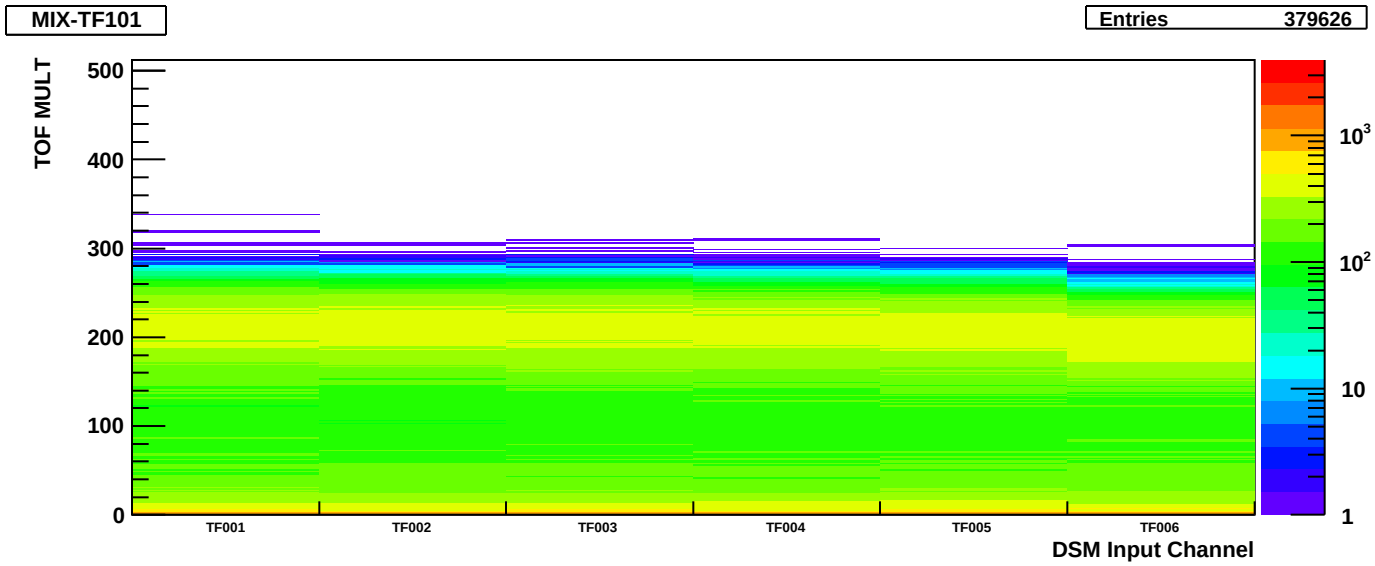

MIX-TF002
Entries 2657382
TOF MULT
TOF tray

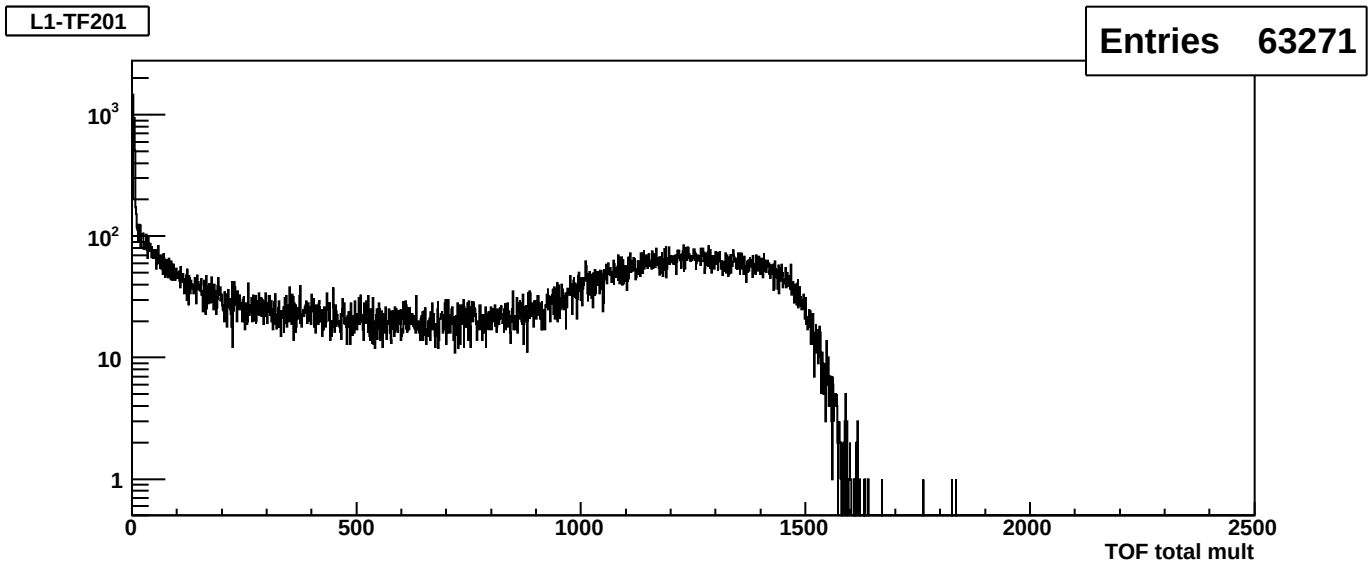

MIX-TF003
Entries 2657382
TOF MULT
TOF tray

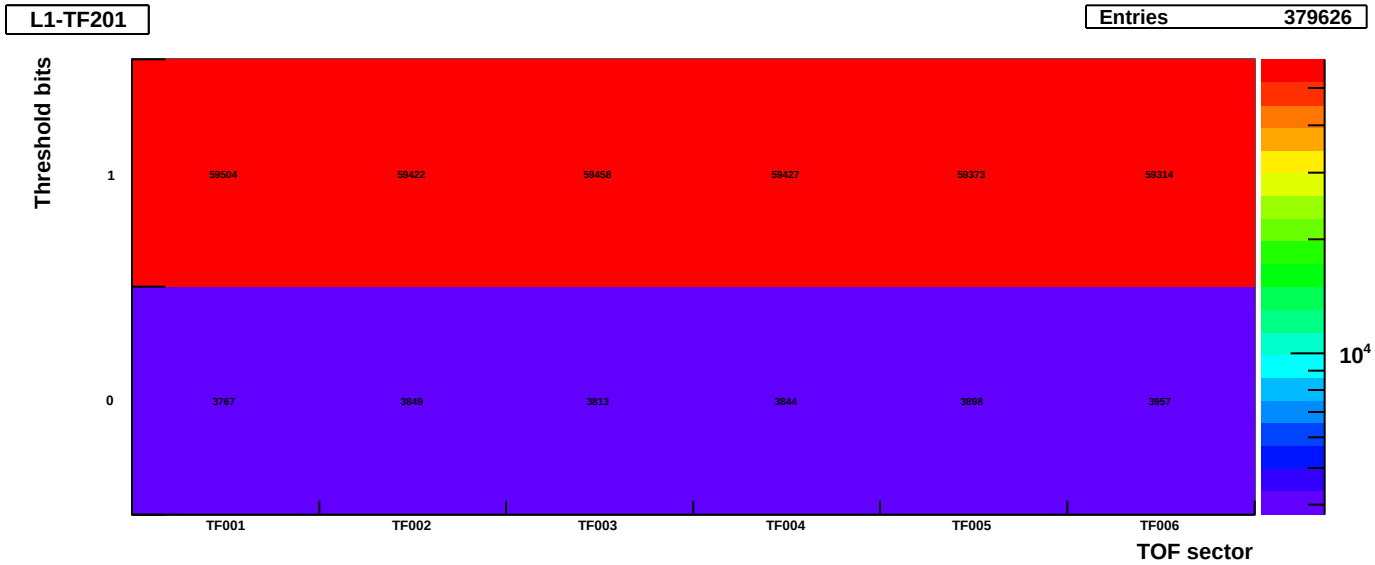

MIX-TF004
Entries 2657382
TOF MULT
TOF tray

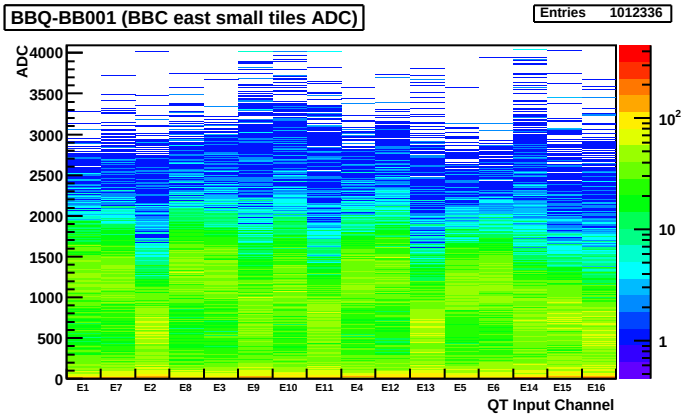

MIX-TF005
Entries 2657382
TOF MULT
TOF tray

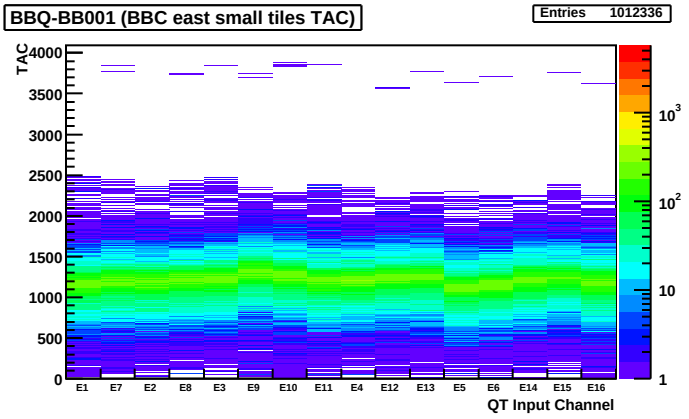

MIX-TF006
Entries 2657382
TOF MULT
TOF tray

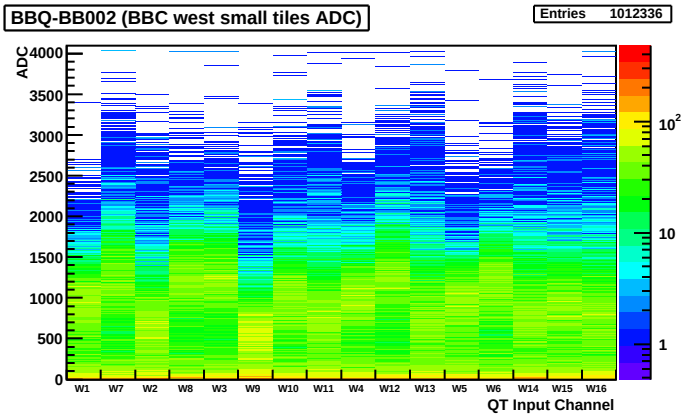

MIX-TF101
Entries 379626
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

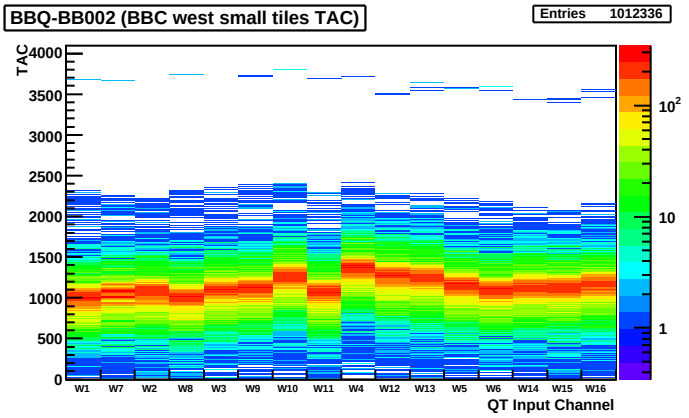

L1-TF201
Entries 63271
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

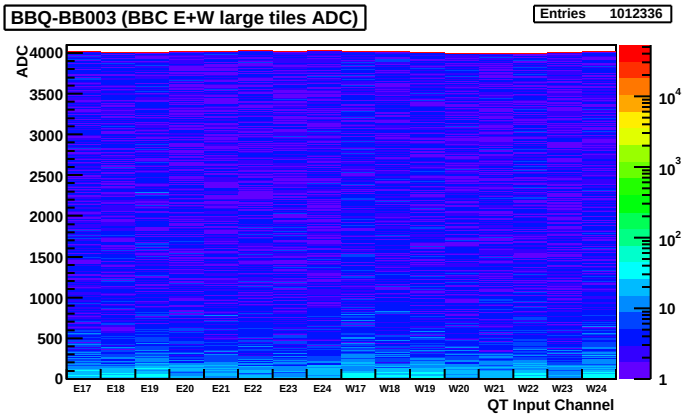

L1-TF201
Entries 379626
Threshold bits
1
0
59504
59422
59458
59427
59373
59314
3767
3849
3813
3844
3898
3957
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

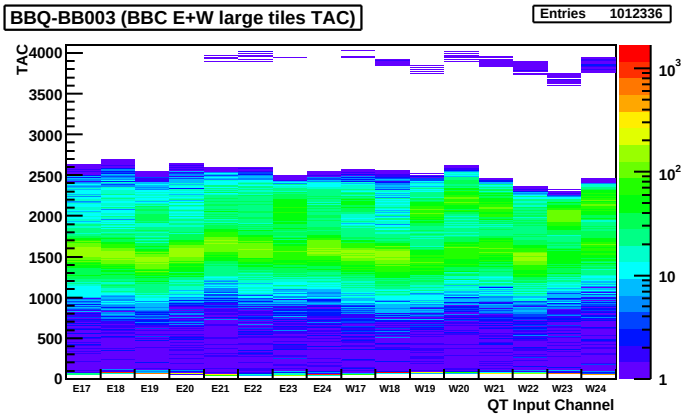

BBQ-BB001 (BBC east small tiles ADC)
Entries 1012336
ADC
QT Input Channel

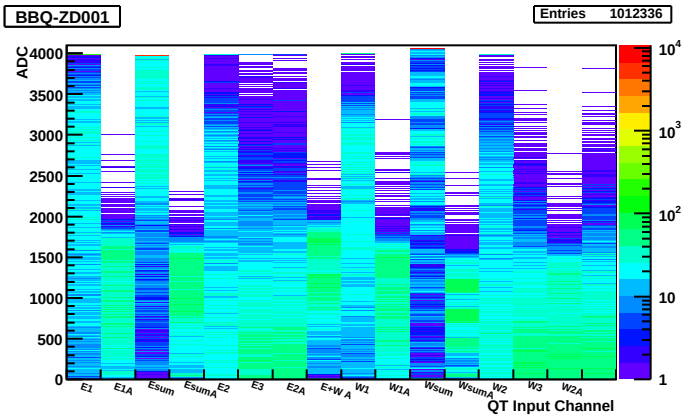

BBQ-BB001 (BBC east small tiles TAC)
Entries 1012336
TAC
QT Input Channel

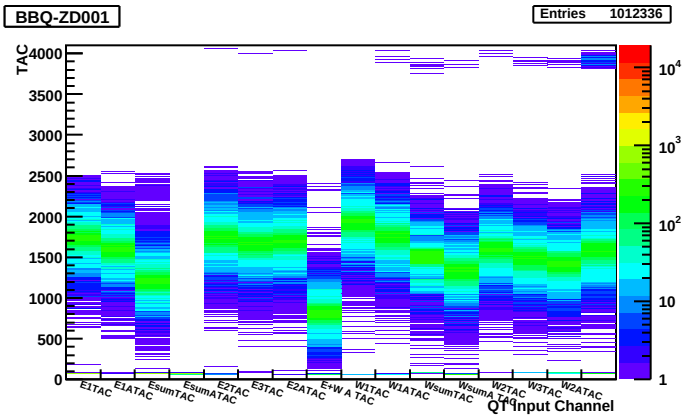

BBQ-BB002 (BBC west small tiles ADC)
Entries 1012336
ADC
QT Input Channel

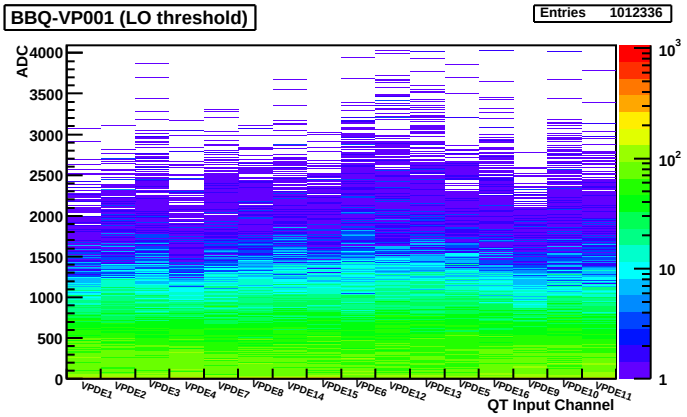

BBQ-BB002 (BBC west small tiles TAC)
Entries 1012336
TAC
QT Input Channel

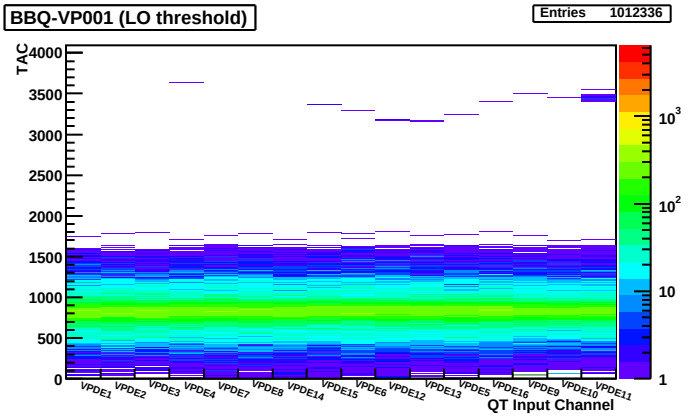

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1012336
ADC
QT Input Channel

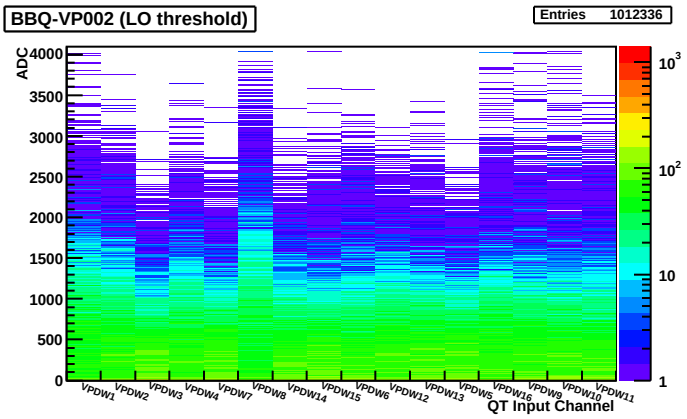

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1012336
TAC
QT Input Channel

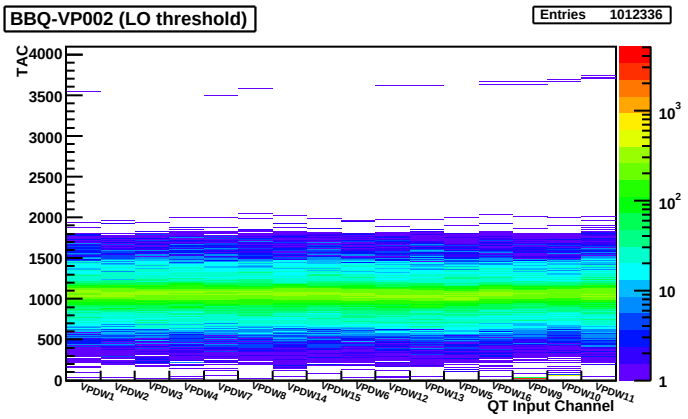

BBQ-ZD001
Entries 1012336
ADC
QT Input Channel

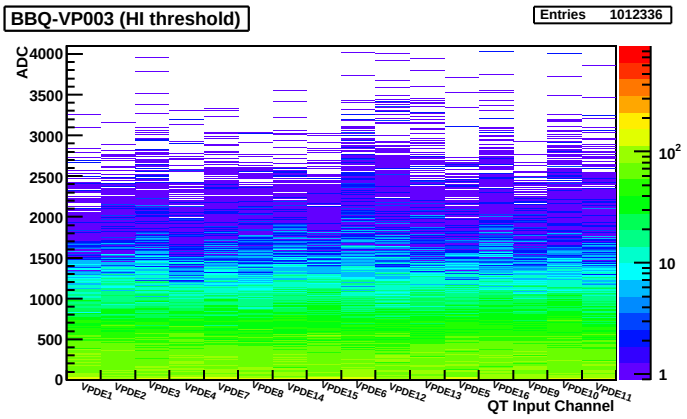

BBQ-ZD001
Entries 1012336
TAC
QT Input Channel

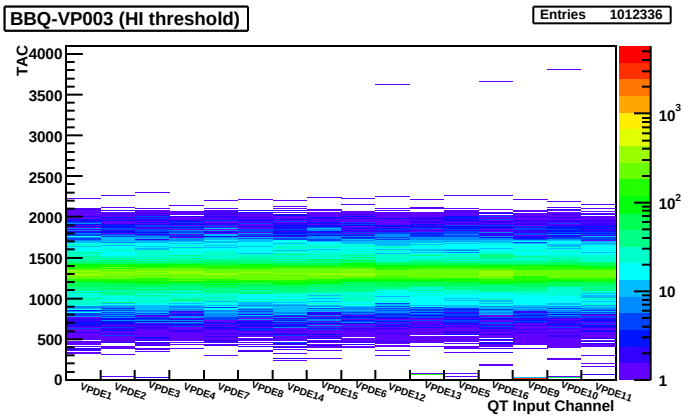

BBQ-VP001 (LO threshold)
Entries 1012336
ADC
QT Input Channel

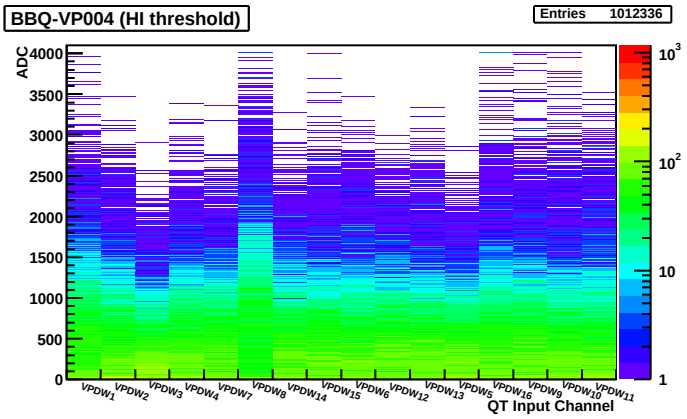

BBQ-VP001 (LO threshold)
Entries 1012336
TAC
QT Input Channel

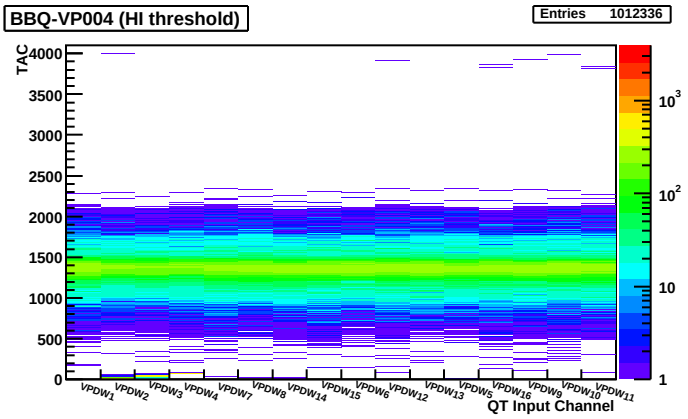

BBQ-VP002 (LO threshold)
Entries 1012336
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 1012336
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1012336
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1012336
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1012336
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1012336
TAC
QT Input Channel