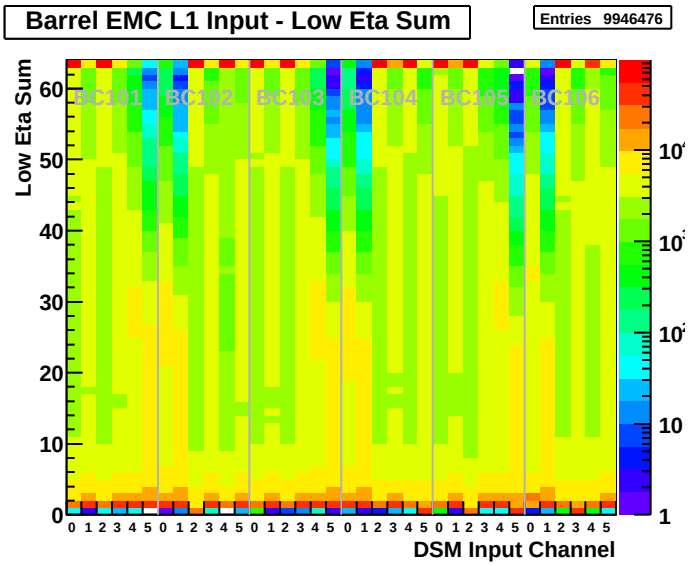
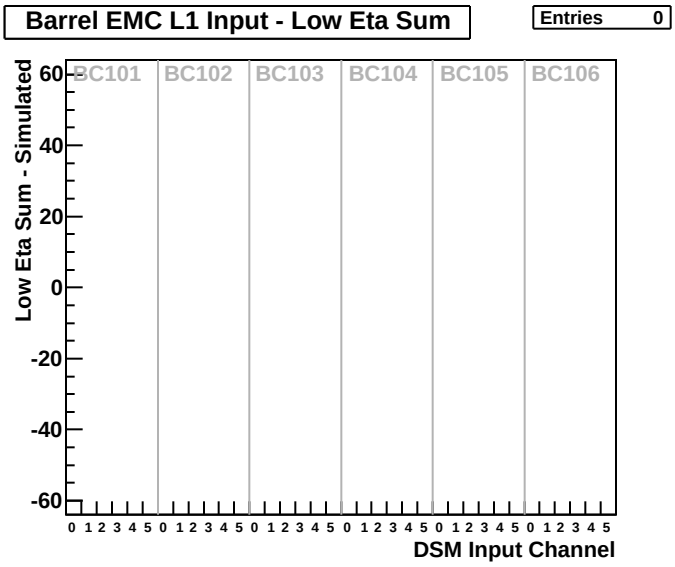
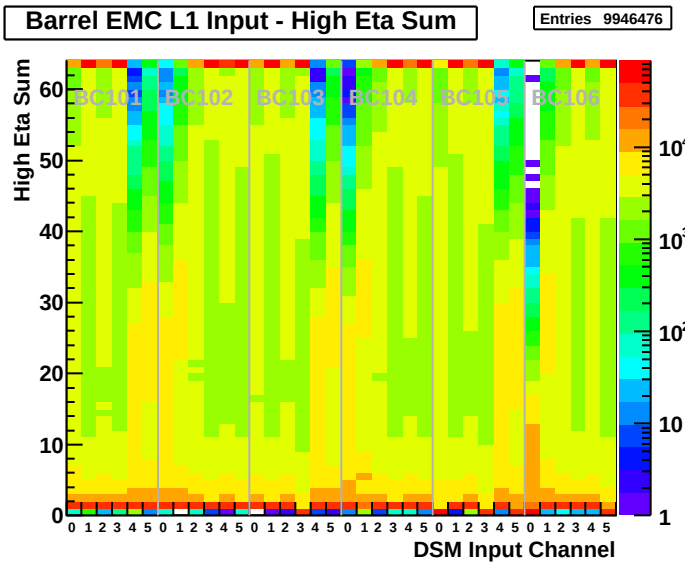
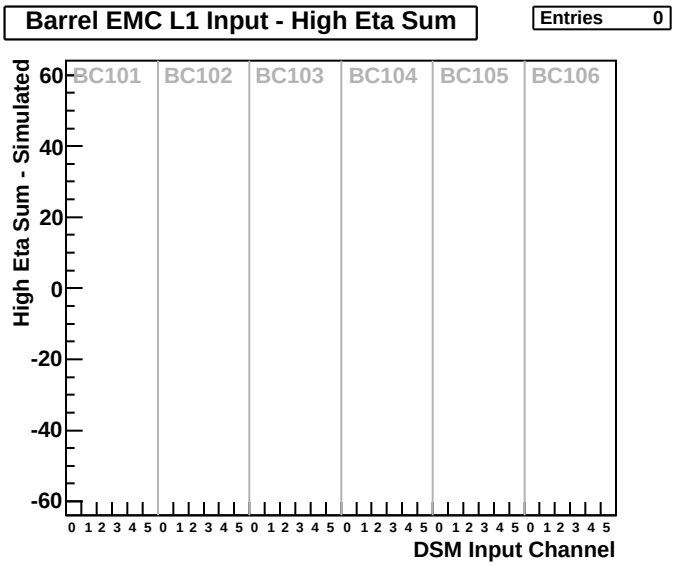
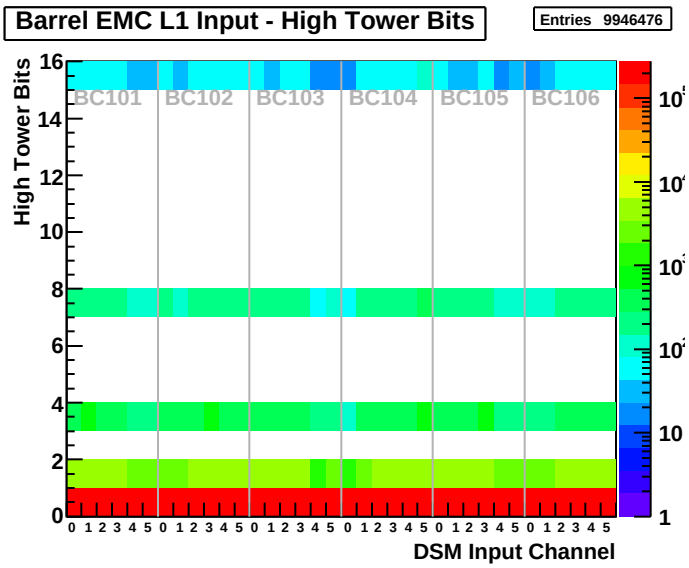
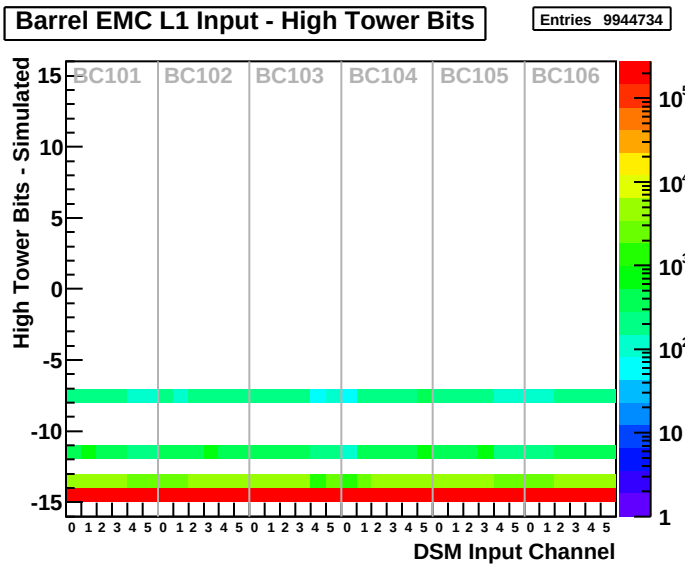

Barrel EMC L1 Input - Low Eta Sum
Entries 9946476
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

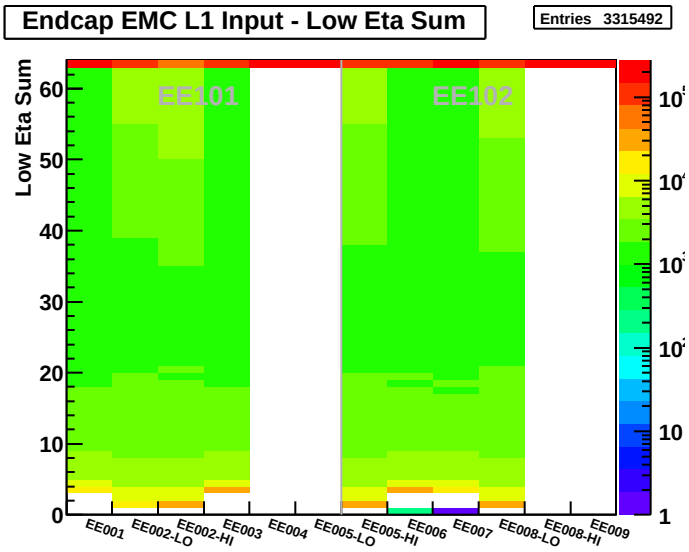

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

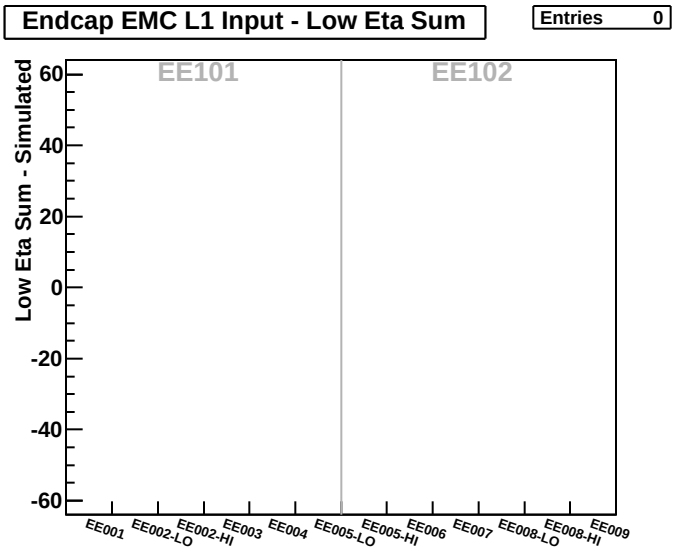

Barrel EMC L1 Input - High Eta Sum
Entries 9946476
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

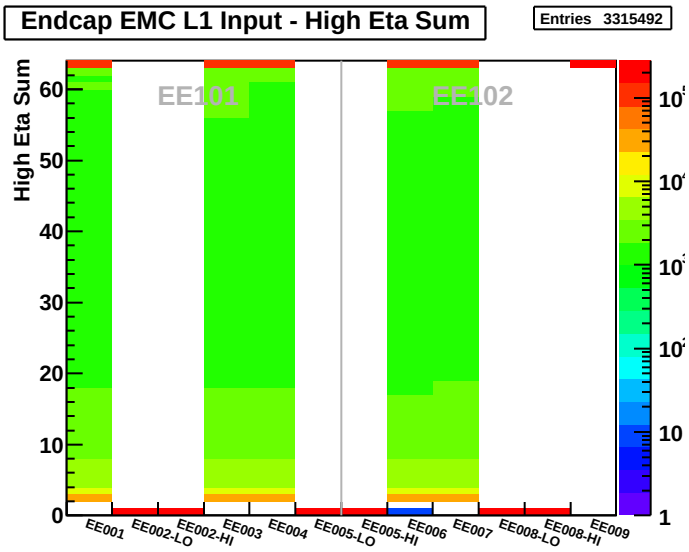

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

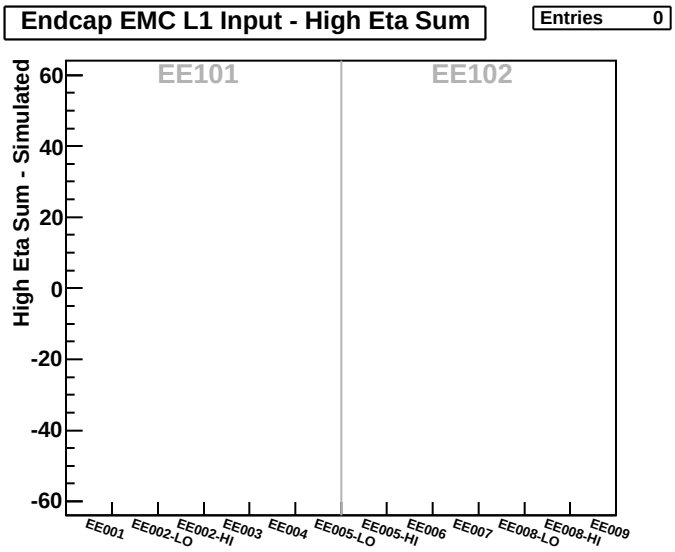

Barrel EMC L1 Input - High Tower Bits
Entries 9946476
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

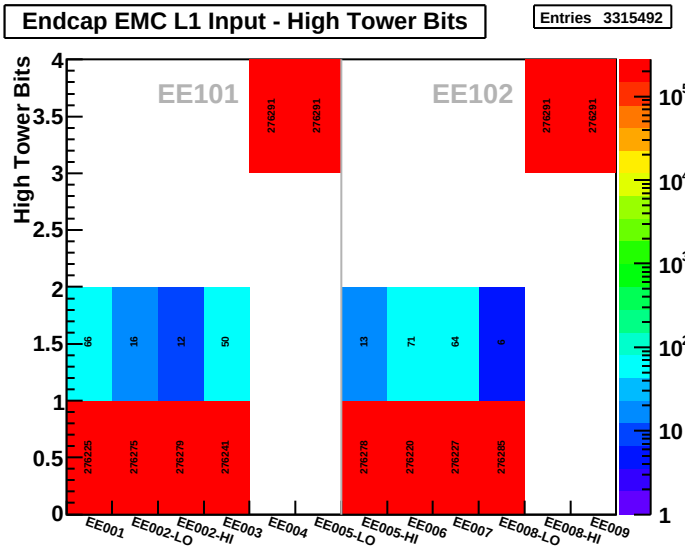

Barrel EMC L1 Input - High Tower Bits
Entries 9944734
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

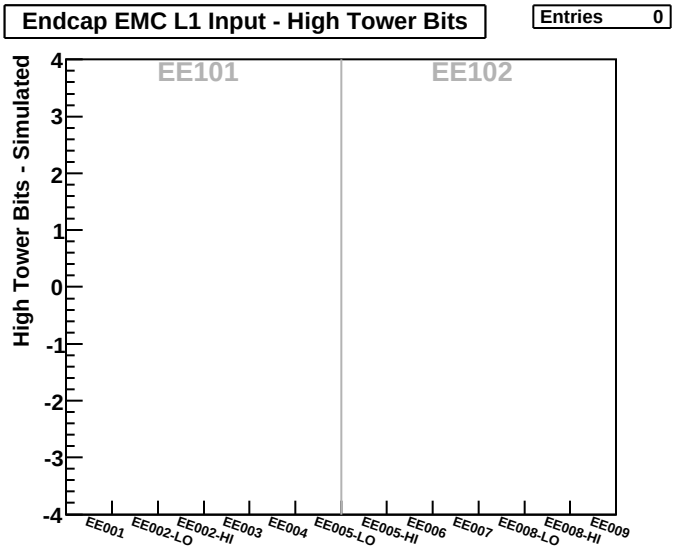

Endcap EMC L1 Input - Low Eta Sum
Entries 3315492
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

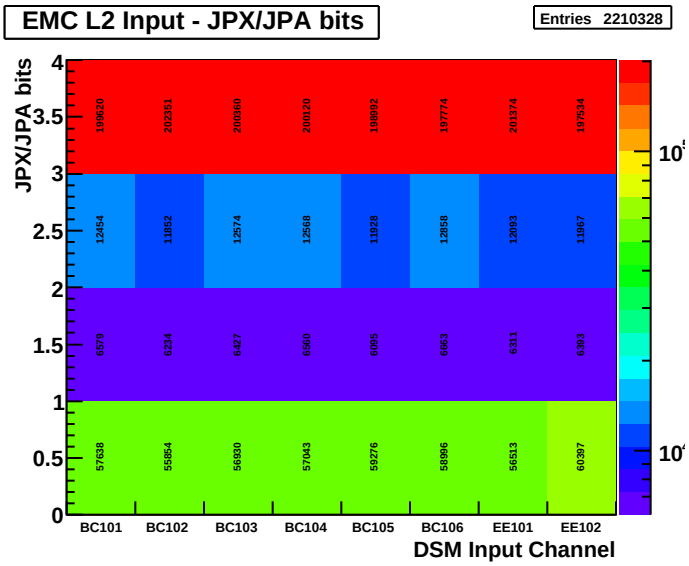

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

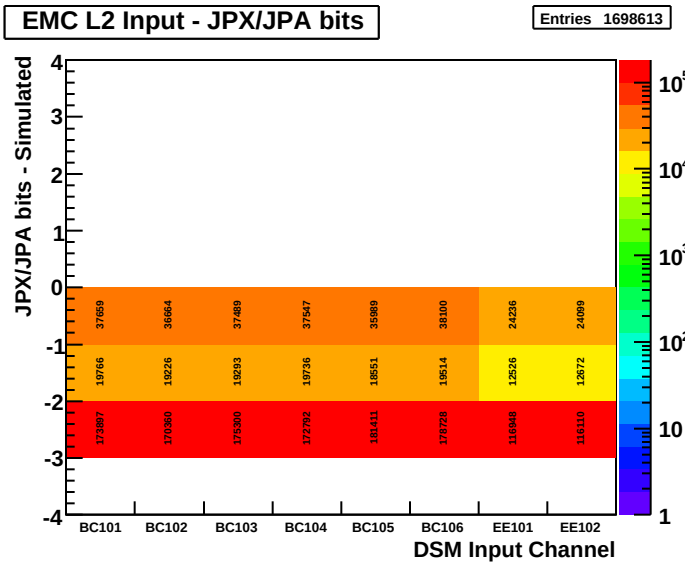

Endcap EMC L1 Input - High Eta Sum
Entries 3315492
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

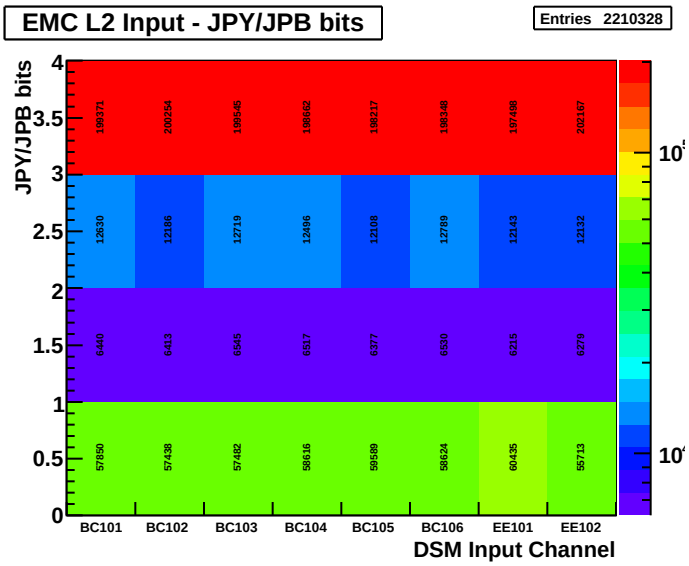

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

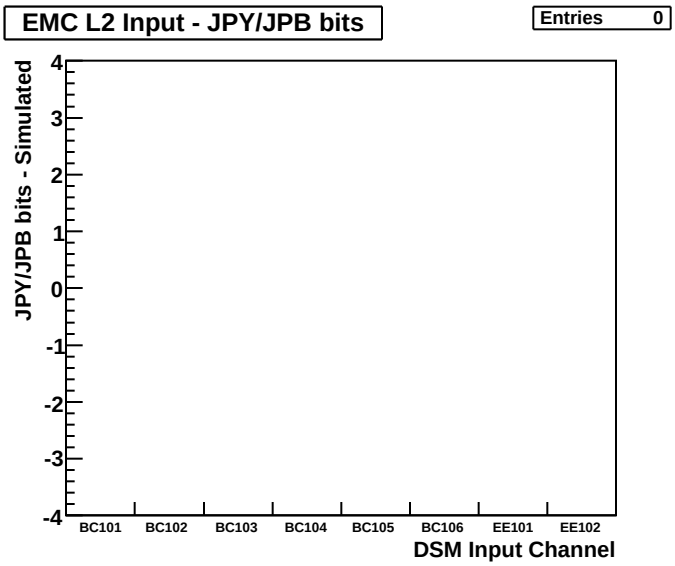

Endcap EMC L1 Input - High Tower Bits
Entries 3315492
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

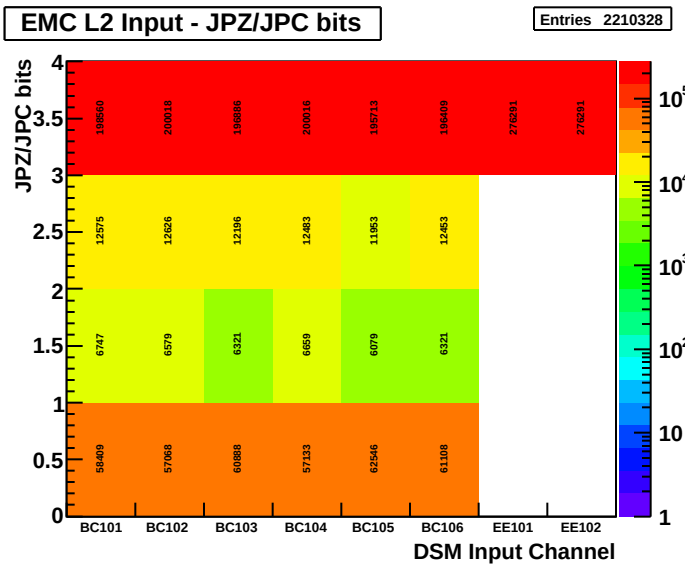

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

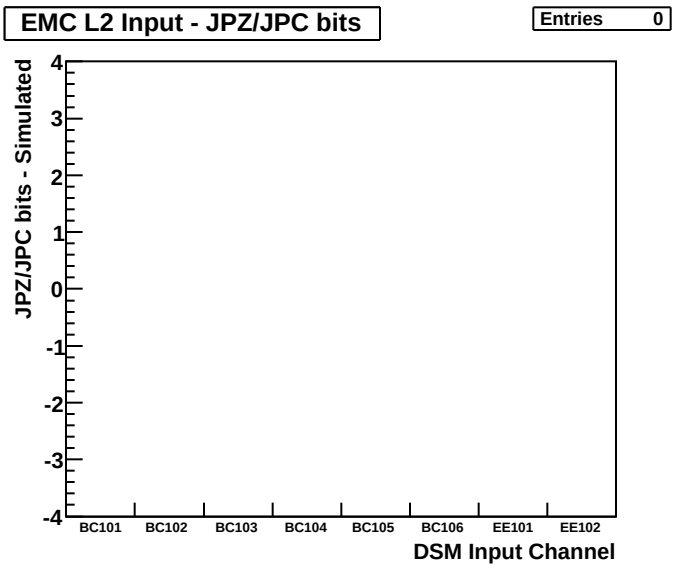

EMC L2 Input - JPX/JPA bits
Entries 2210328
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
199620 202251 200360 200120 198892 197774 201374 197534
12454 11952 12574 12568 11928 12858 12093 11967
6579 6234 6427 6560 6095 6563 6311 6393
57638 55854 56930 57043 59276 58996 56513 60397

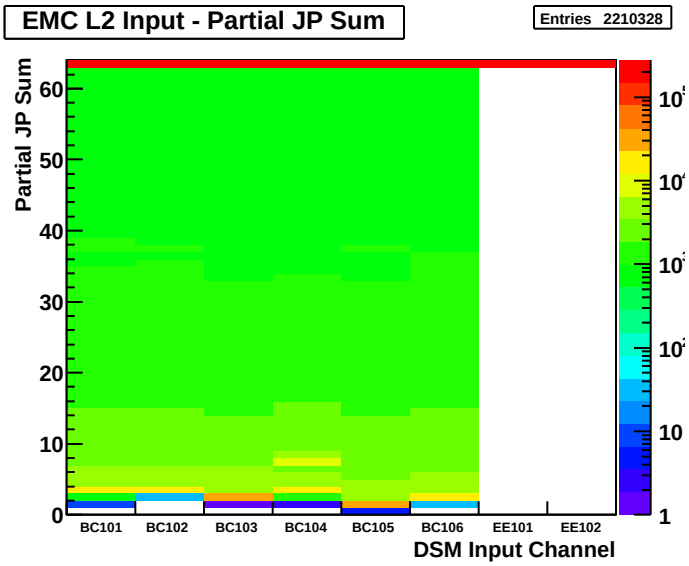

EMC L2 Input - JPX/JPA bits
Entries 1698613
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
37659 36664 37489 37547 35989 38100 24236 24099
19766 19226 19293 19736 18551 19514 12526 12672
173887 170360 175300 172792 181411 178728 116948 116110

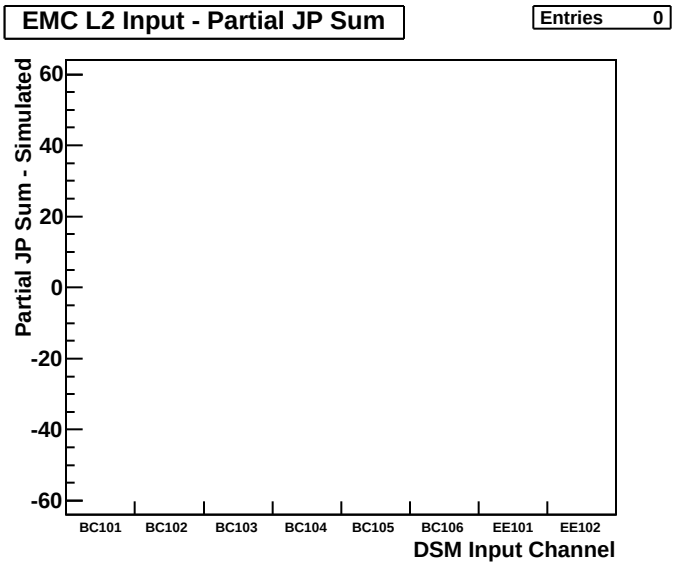

EMC L2 Input - JPY/JPB bits
Entries 2210328
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
199371 200254 199545 198662 199217 199348 197498 202167
12630 12186 12719 12496 12108 12789 12143 12132
6440 6413 6545 6517 6377 6530 6215 6279
57850 57438 57482 58616 59589 58624 60435 55713

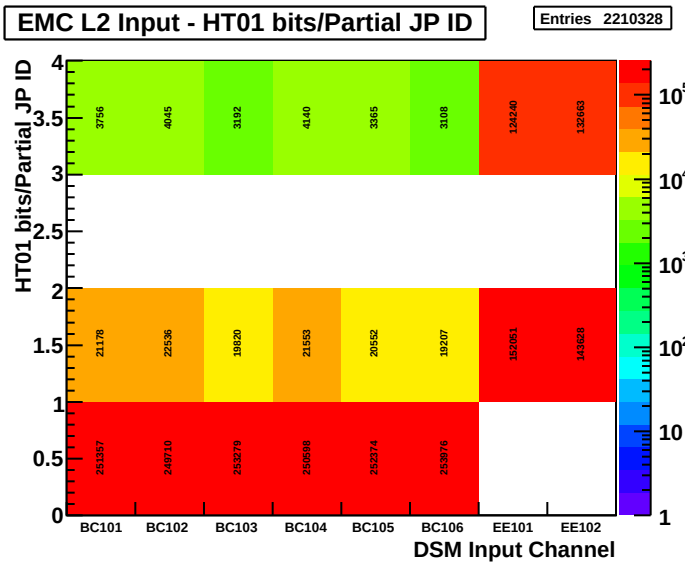

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

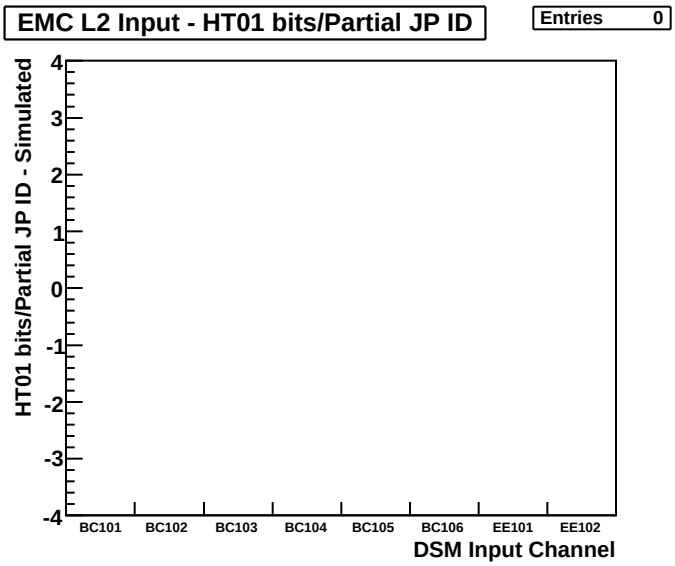

EMC L2 Input - JPZ/JPC bits
Entries 2210328
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
198560 200018 198886 200016 195713 196409 276291 276291
12575 12626 12196 12483 11953 12453
6747 6579 6321 6659 6079 6321
58409 57668 60888 57133 62546 61108

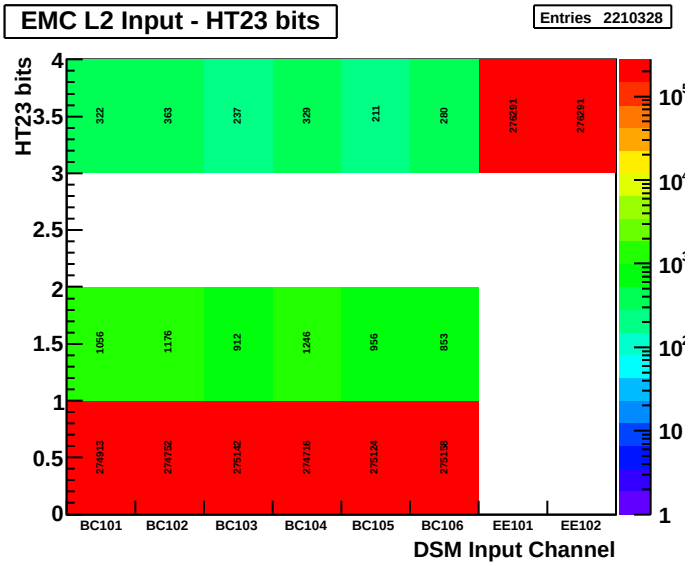

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

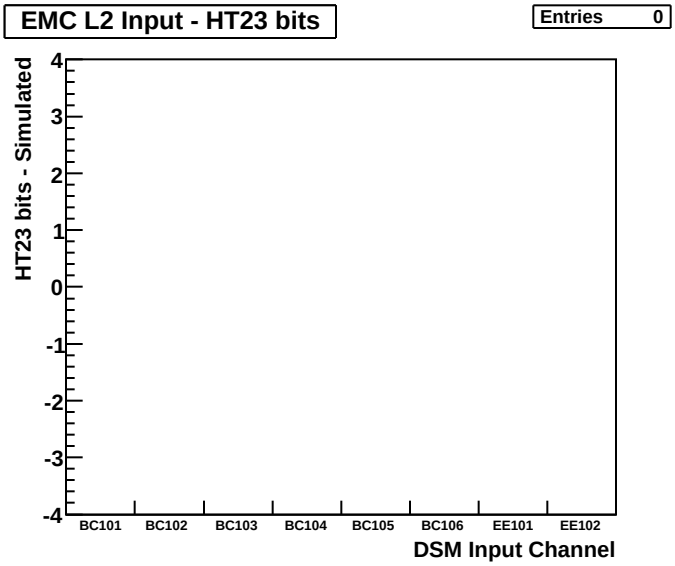

EMC L2 Input - Partial JP Sum
Entries 2210328
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

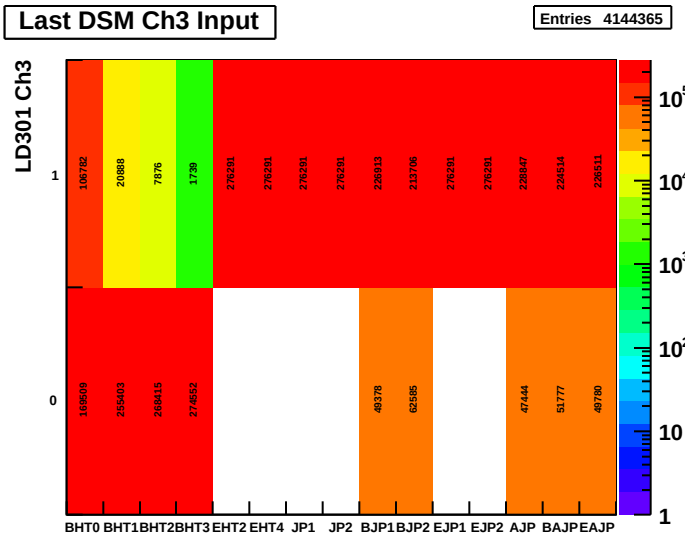

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

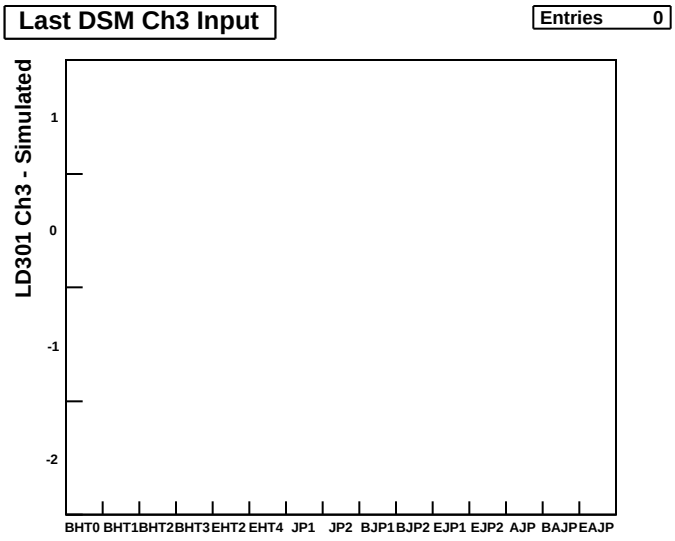

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2210328
HT01 bits/Partial JP ID
3756 4045 3192 4140 3365 3108 124240 132663
21178 22536 19820 21553 20552 19207 152061 143628
251357 249710 253279 250598 252374 253976
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

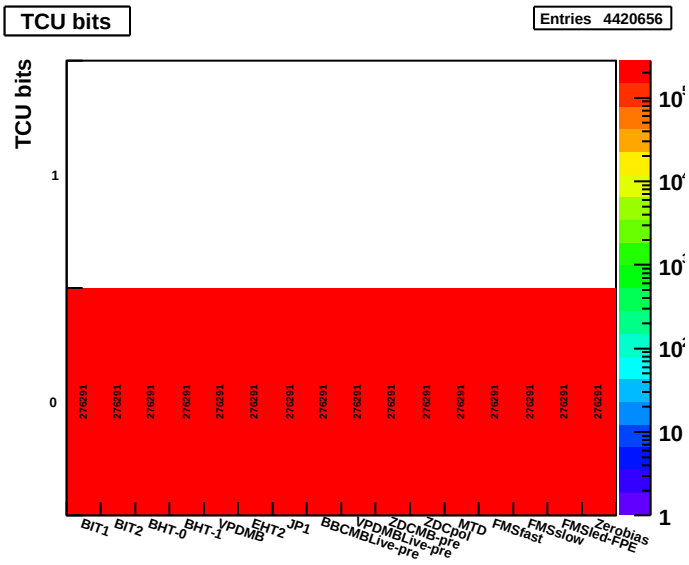

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

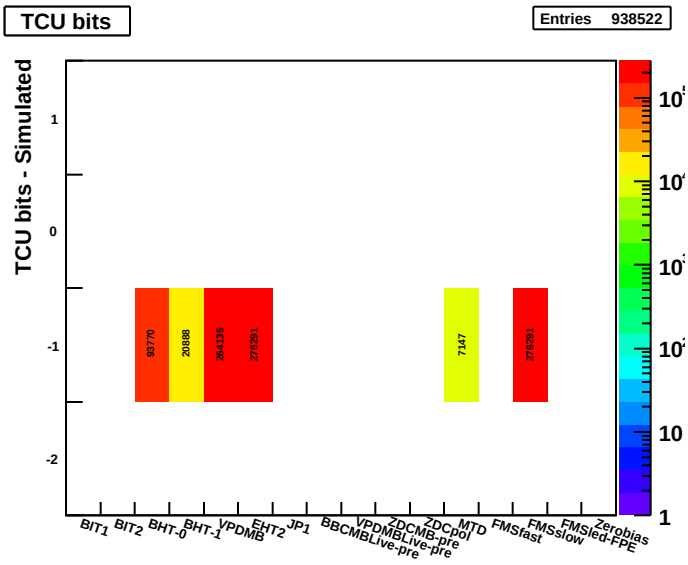

EMC L2 Input - HT23 bits
Entries 2210328
HT23 bits
322 363 237 329 211 280 276291 276291
1066 1176 912 1246 956 853
274913 274752 275142 274716 275124 275158
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

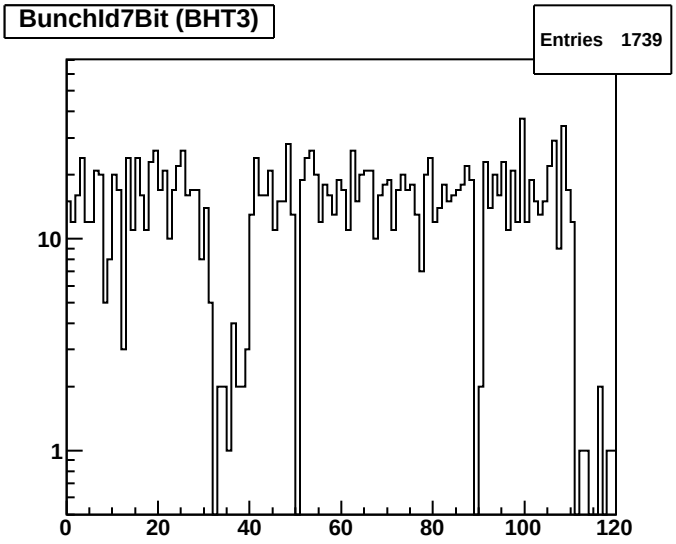

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

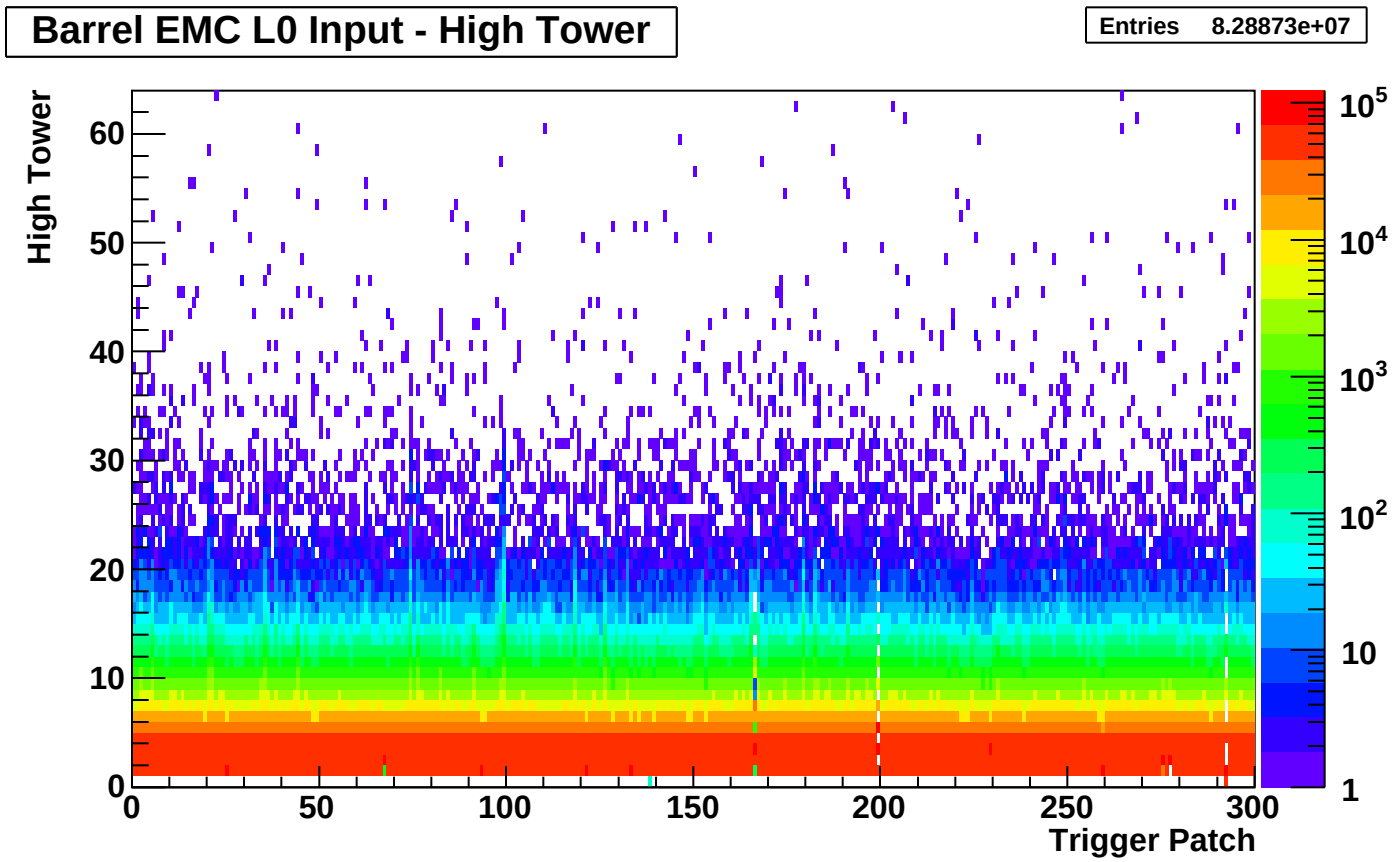

Last DSM Ch3 Input
Entries 4144365
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

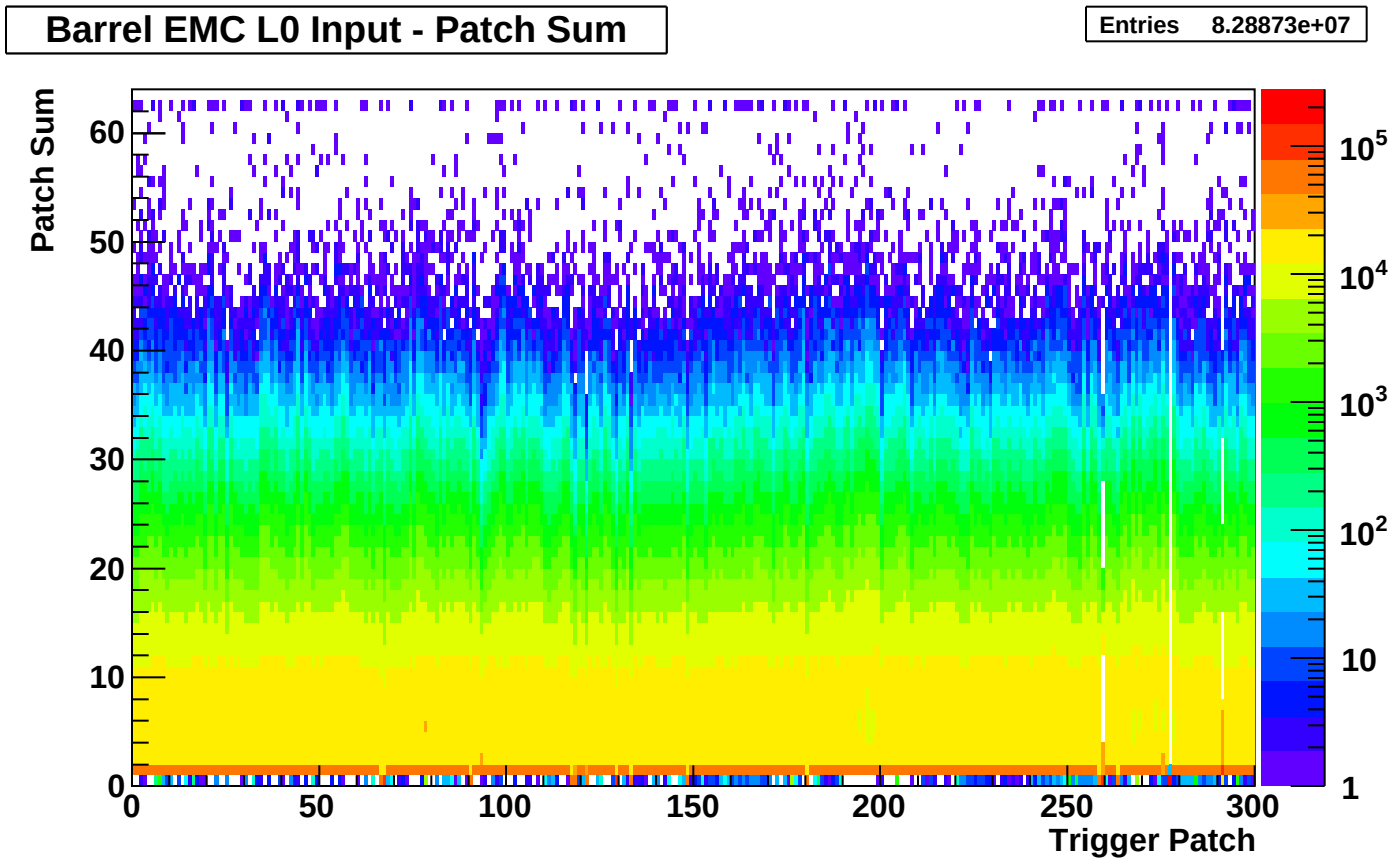

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

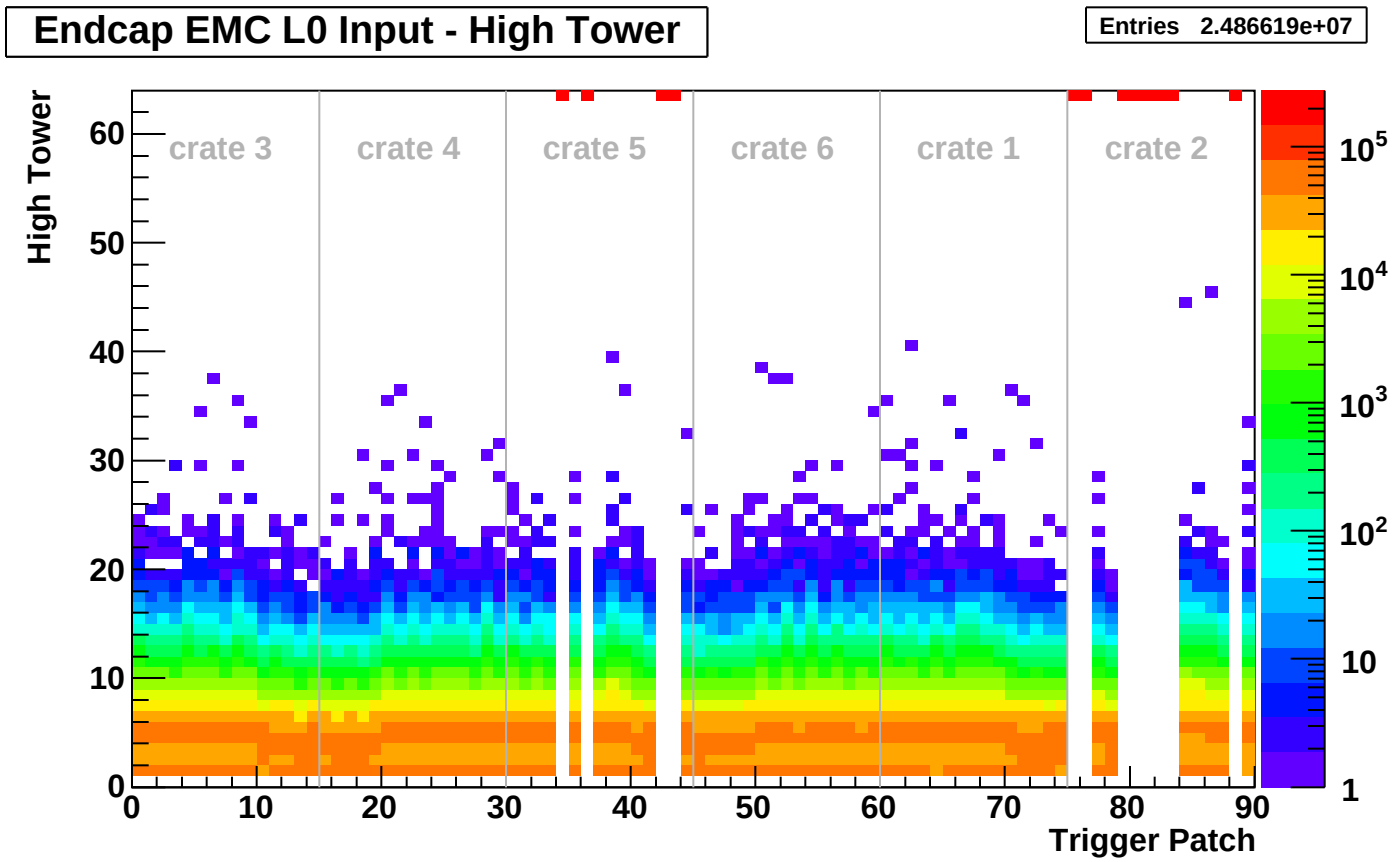

TCU bits
Entries 4420656
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

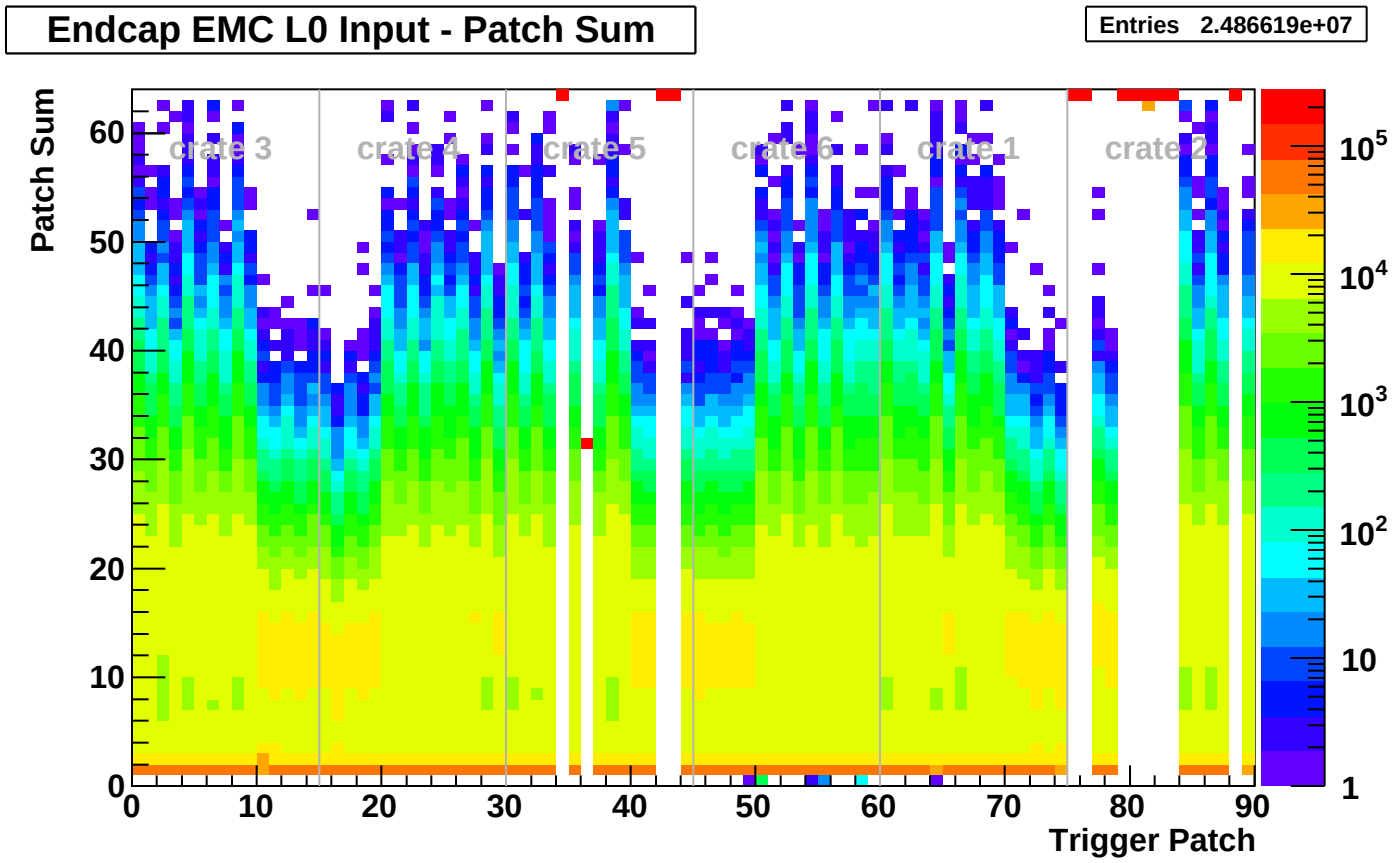

TCU bits
Entries 938522
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

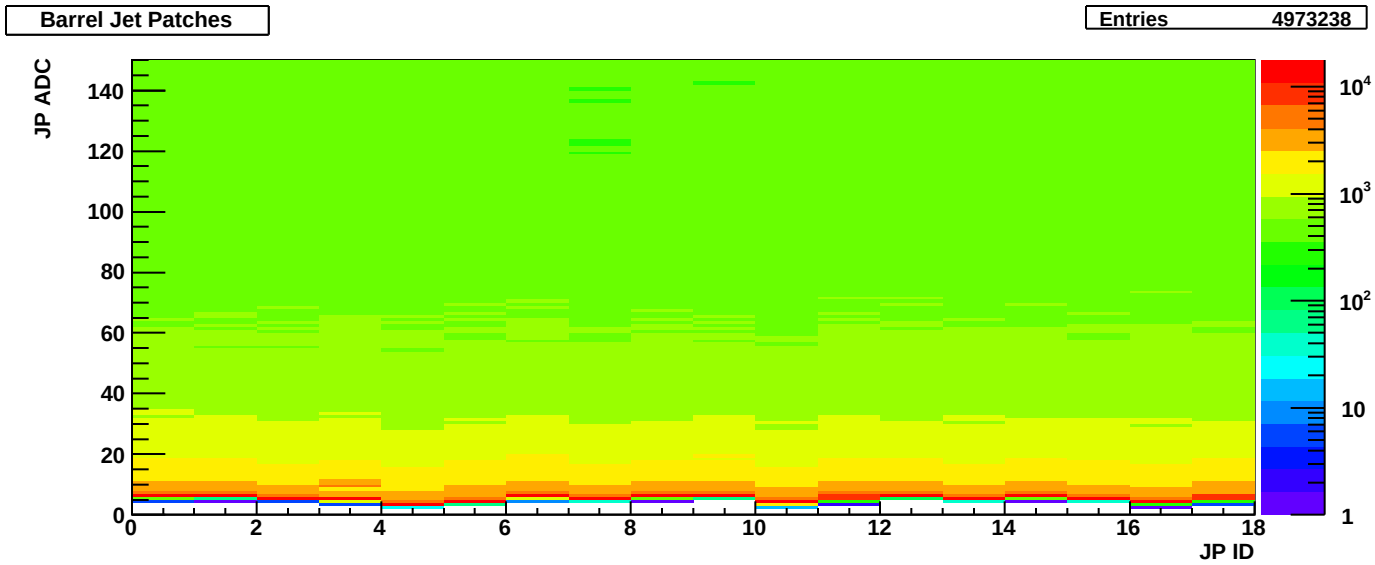

BunchId7Bit (BHT3)
Entries 1739

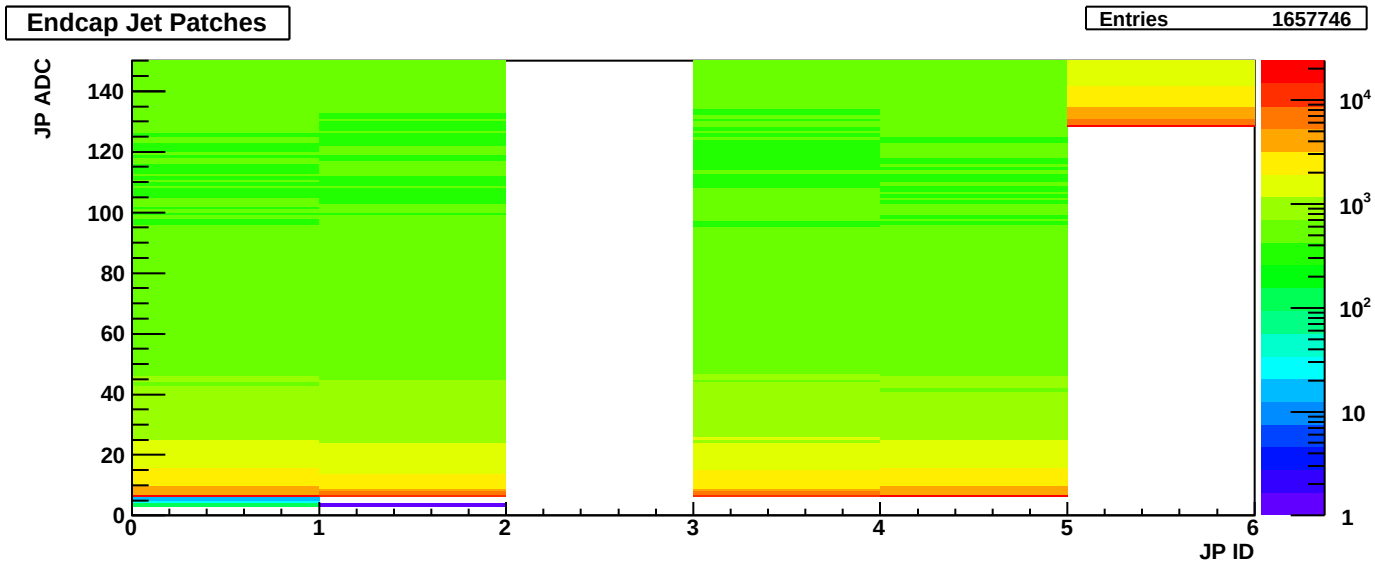

Barrel EMC L0 Input - High Tower
Entries 8.28873e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

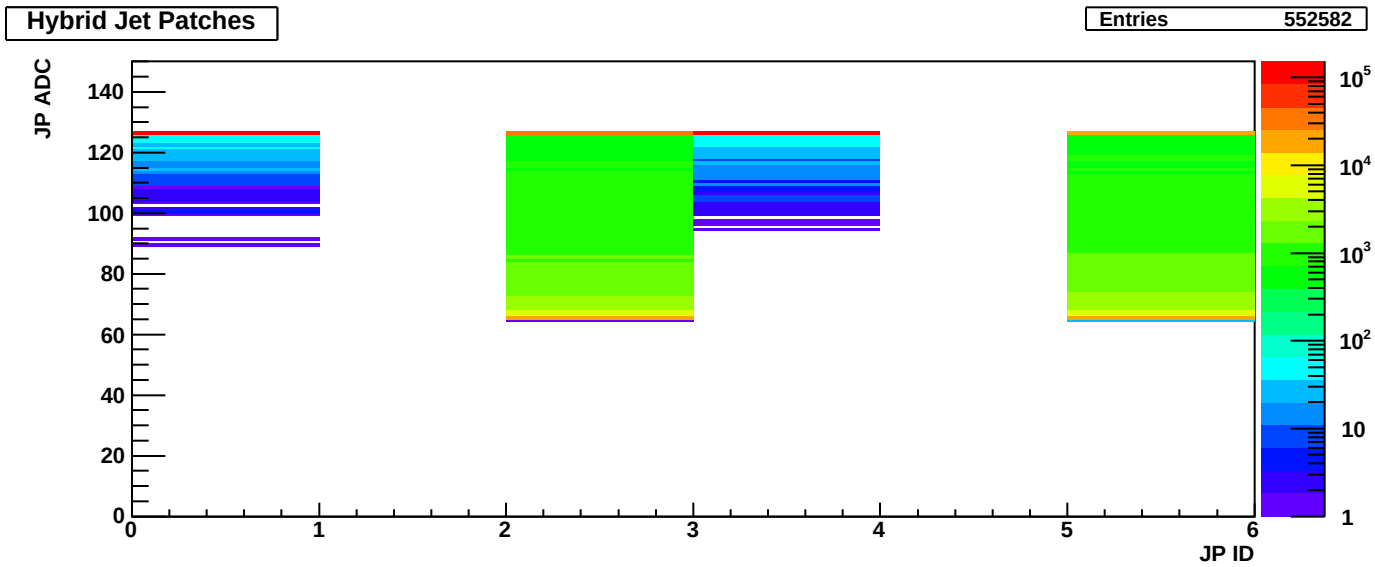

Barrel EMC L0 Input - Patch Sum
Entries 8.28873e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

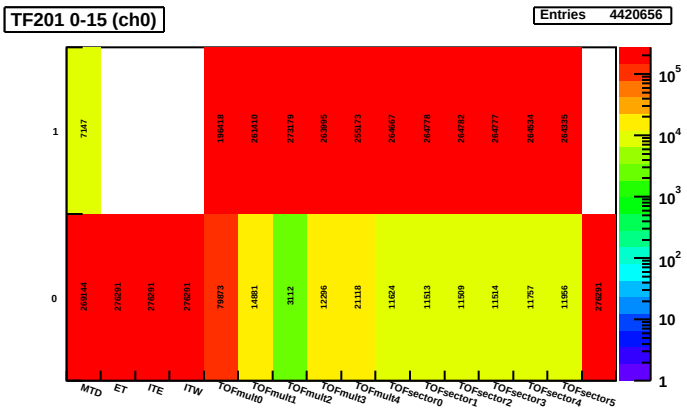

Endcap EMC L0 Input - High Tower
Entries 2.486619e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

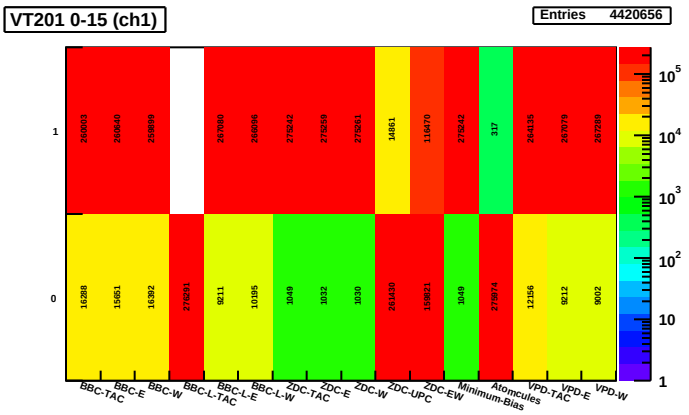

Endcap EMC L0 Input - Patch Sum
Entries 2.486619e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

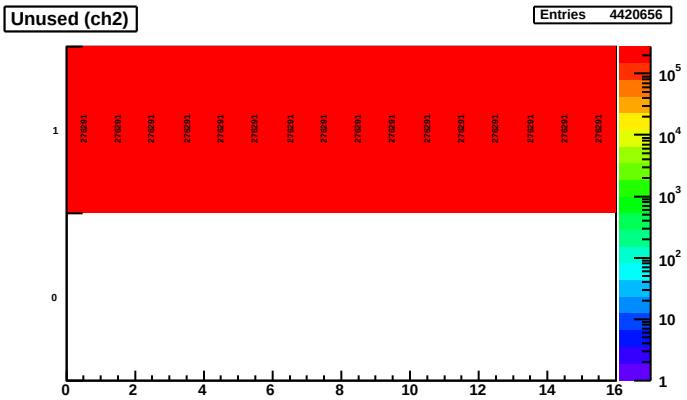

Barrel Jet Patches
Entries 4973238
JP ADC
JP ID

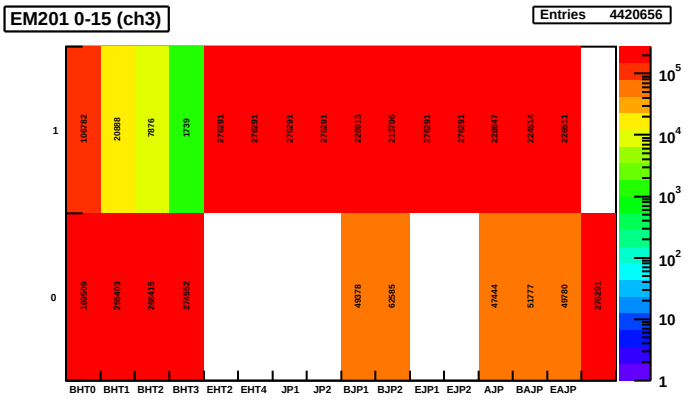

Endcap Jet Patches
Entries 1657746
JP ADC
JP ID

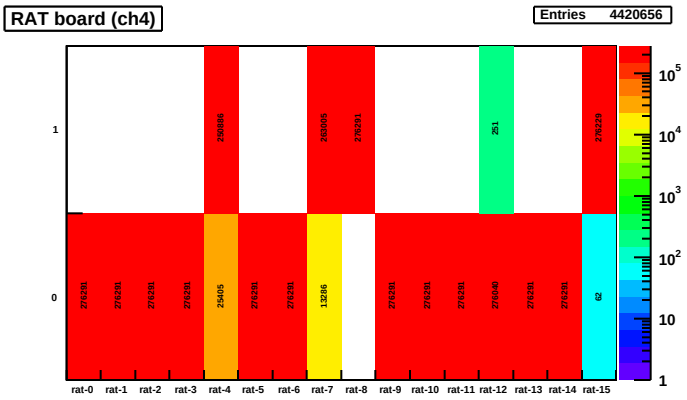

Hybrid Jet Patches
Entries 552582
JP ADC
JP ID

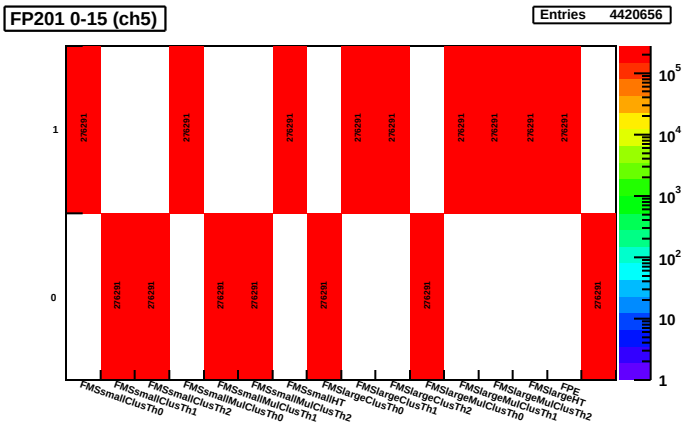

TF201 0-15 (ch0)
Entries 4420656
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

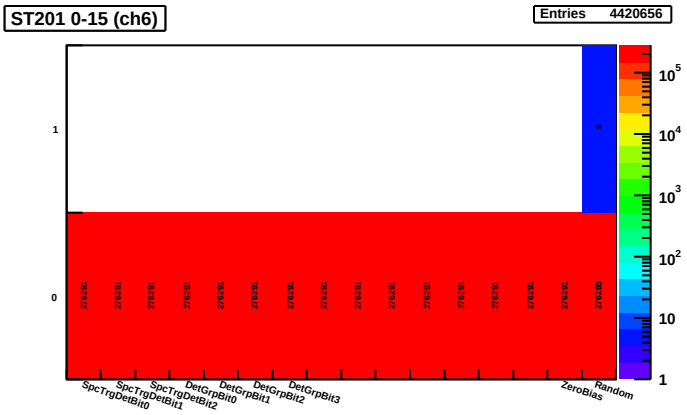

VT201 0-15 (ch1)
Entries 4420656
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

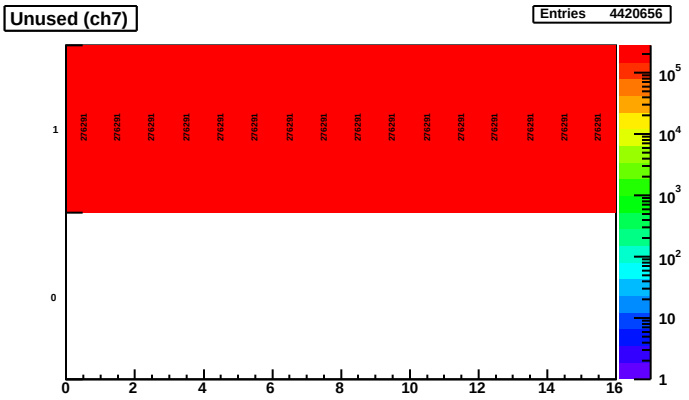

Unused (ch2)
Entries 4420656

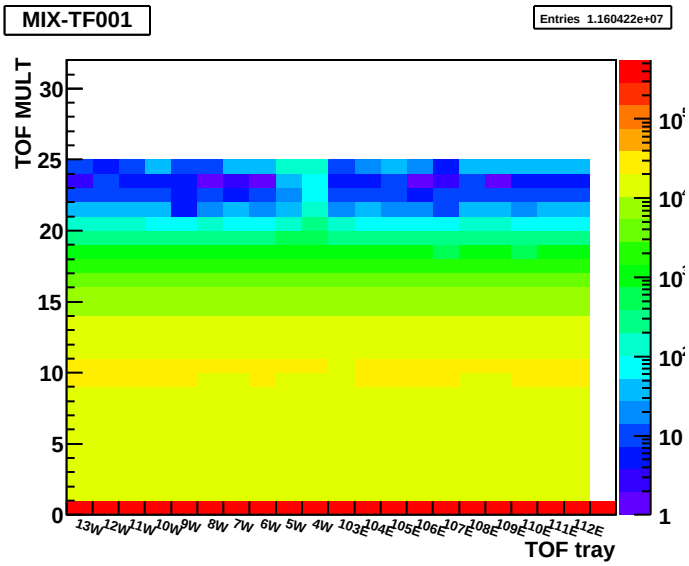

EM201 0-15 (ch3)
Entries 4420656
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

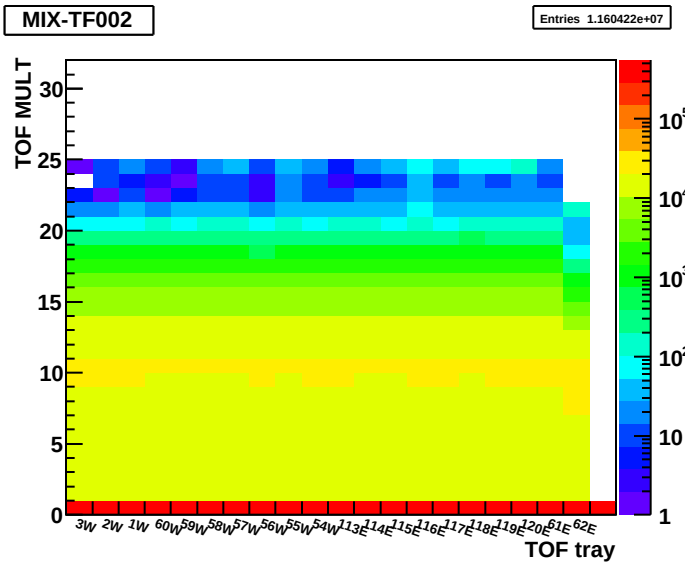

RAT board (ch4)
Entries 4420656
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

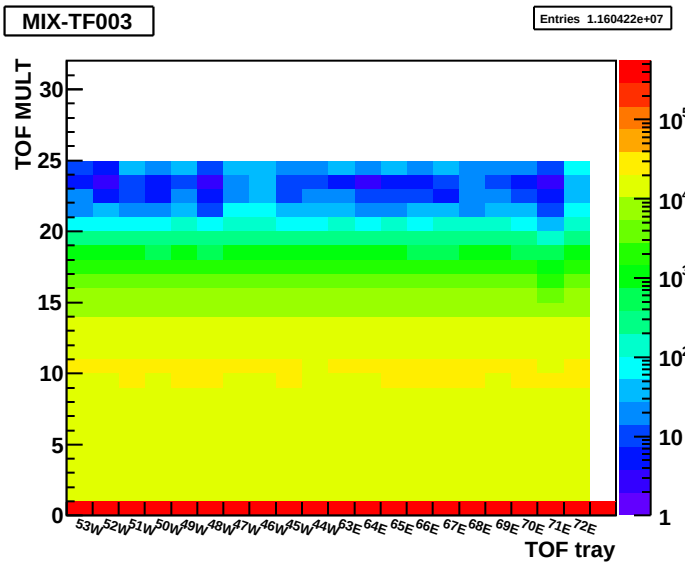

FP201 0-15 (ch5)
Entries 4420656
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

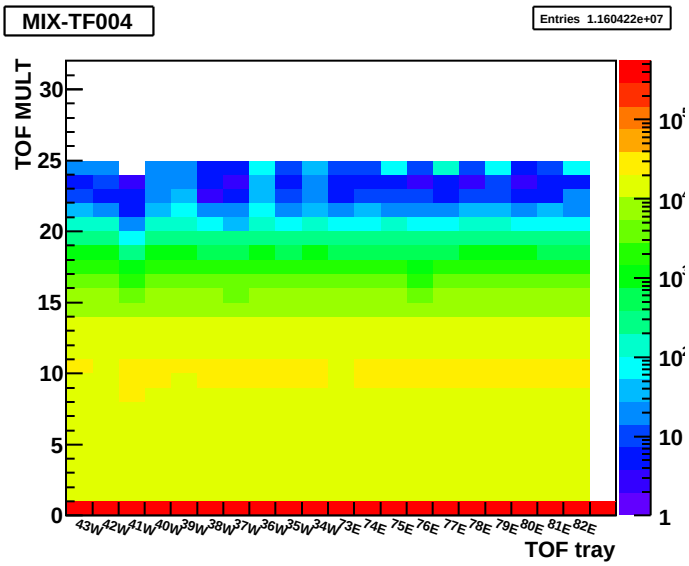

ST201 0-15 (ch6)
Entries 4420656
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

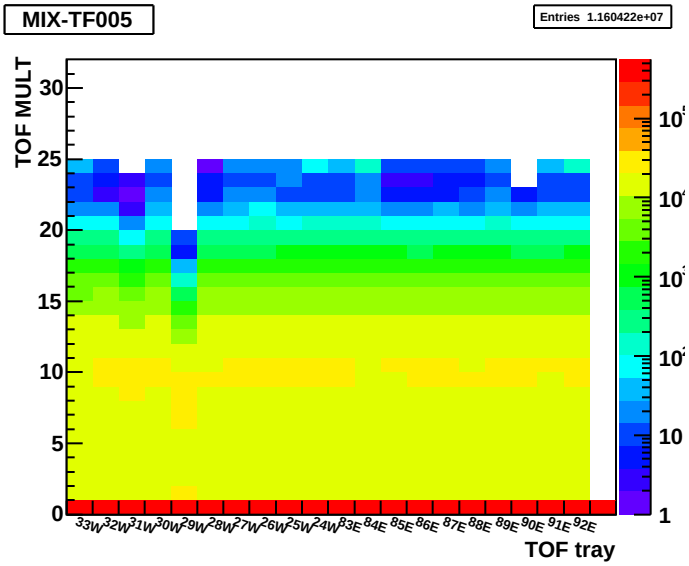

Unused (ch7)
Entries 4420656

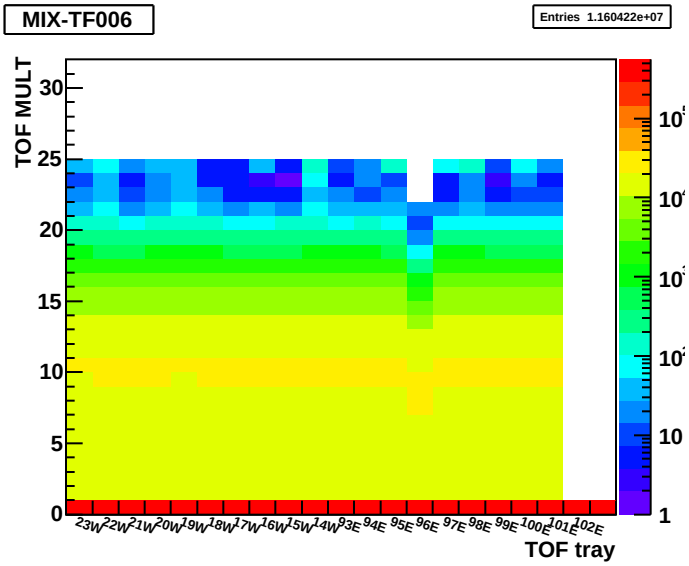

MIX-TF001
Entries 1.160422e+07
TOF MULT
TOF tray

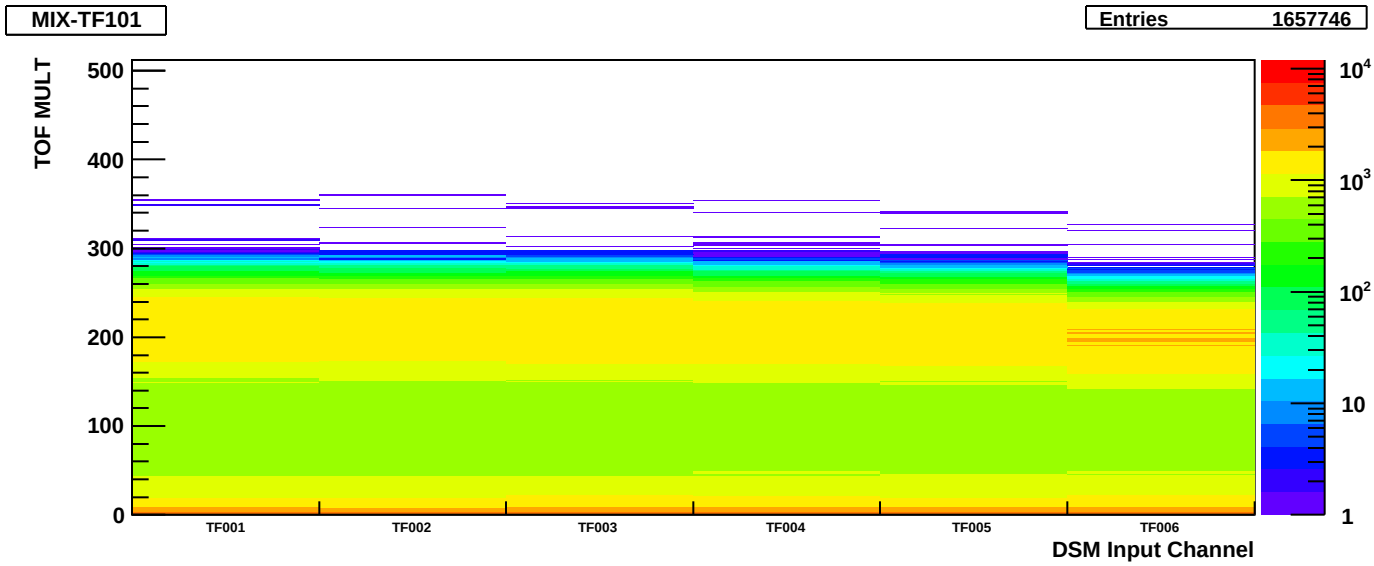

MIX-TF002
Entries 1.160422e+07
TOF MULT
TOF tray

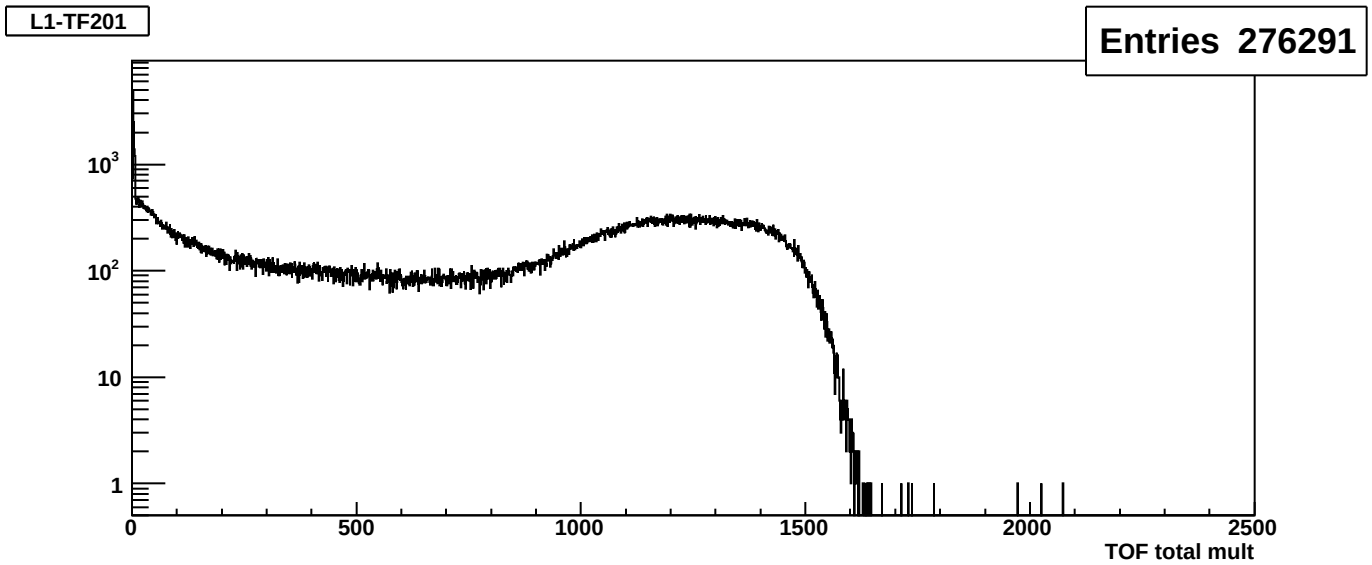

MIX-TF003
Entries 1.160422e+07
TOF MULT
TOF tray

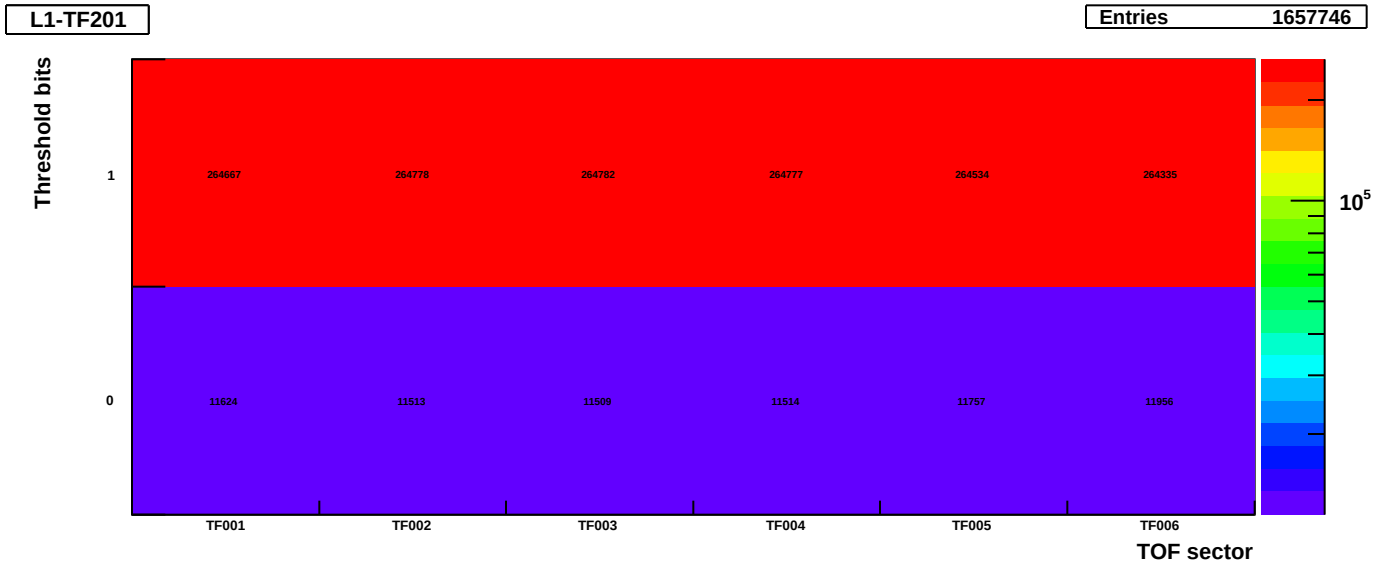

MIX-TF004
Entries 1.160422e+07
TOF MULT
TOF tray

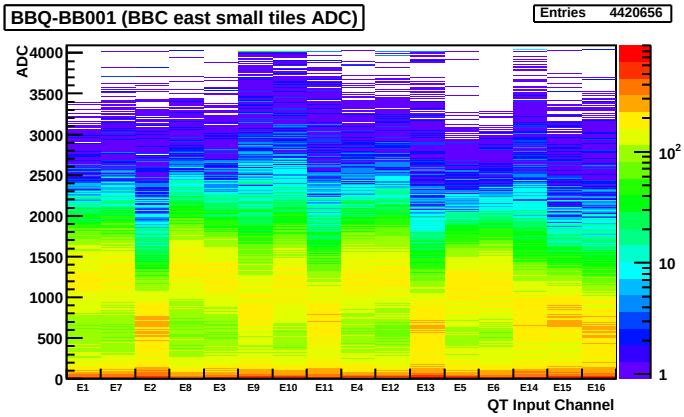

MIX-TF005
Entries 1.160422e+07
TOF MULT
TOF tray

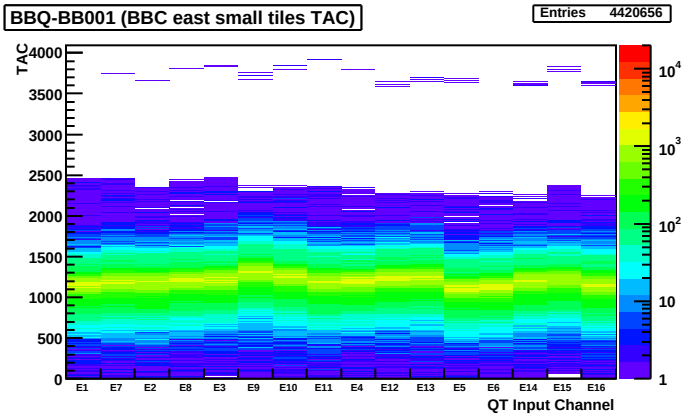

MIX-TF006
Entries 1.160422e+07
TOF MULT
TOF tray

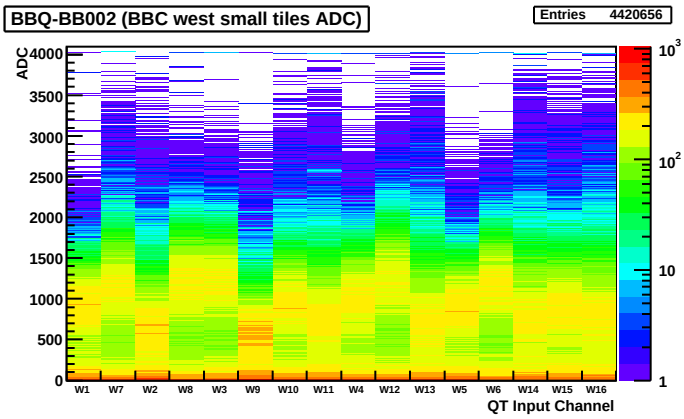

MIX-TF101
Entries 1657746
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
$10^4$
$10^3$
$10^2$
10
1

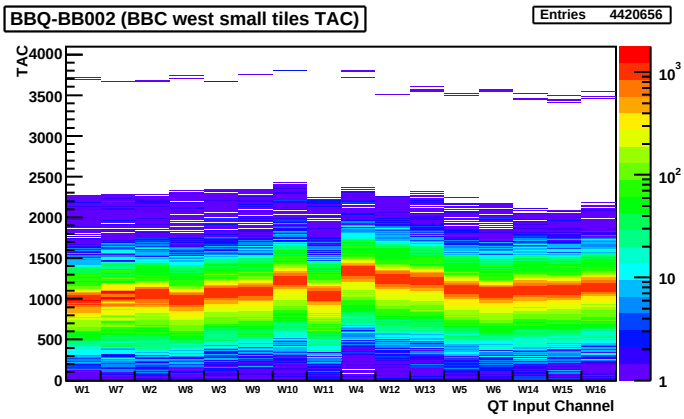

L1-TF201
Entries 276291
$10^3$
$10^2$
10
1
0
500
1000
1500
2000
2500
TOF total mult

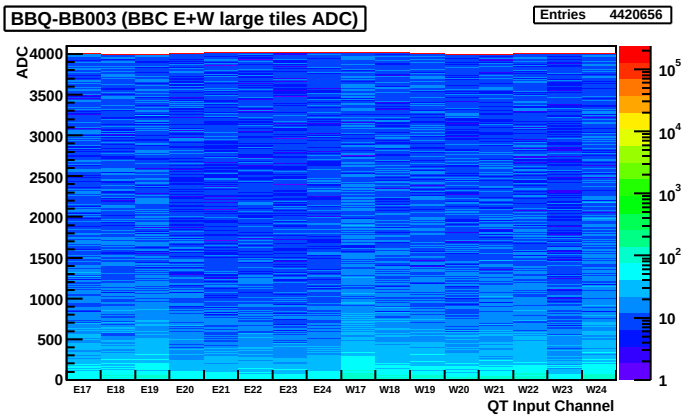

L1-TF201
Entries 1657746
Threshold bits
1
0
264667
264778
264782
264777
264534
264335
11624
11513
11509
11514
11757
11956
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
$10^5$

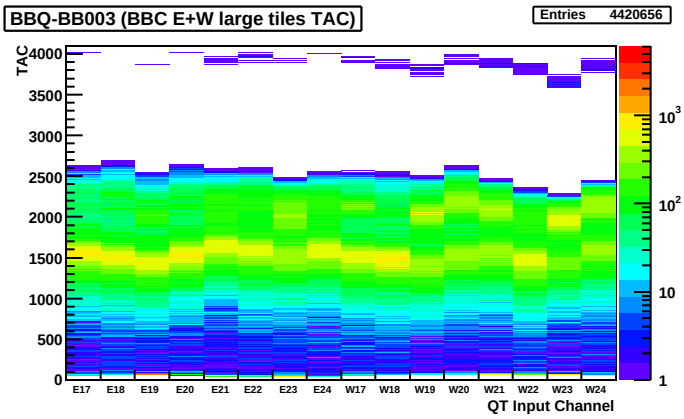

BBQ-BB001 (BBC east small tiles ADC)
Entries 4420656
ADC
QT Input Channel

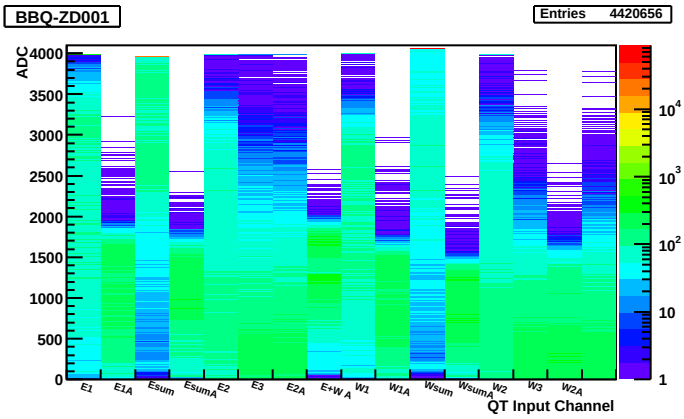

BBQ-BB001 (BBC east small tiles TAC)
Entries 4420656
TAC
QT Input Channel

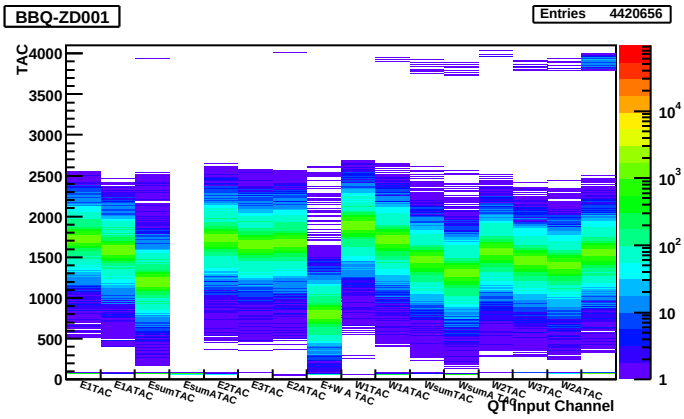

BBQ-BB002 (BBC west small tiles ADC)
Entries 4420656
ADC
QT Input Channel

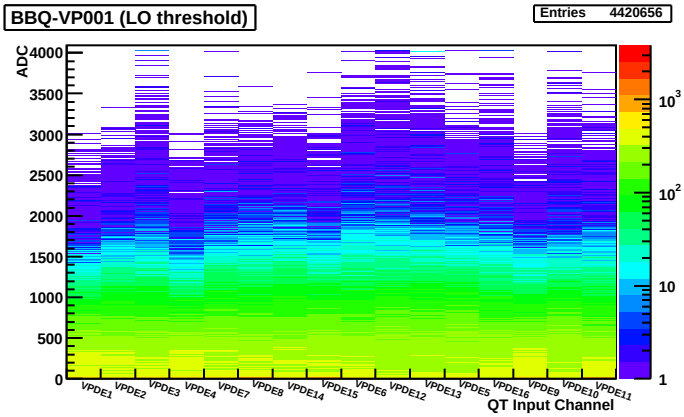

BBQ-BB002 (BBC west small tiles TAC)
Entries 4420656
TAC
QT Input Channel

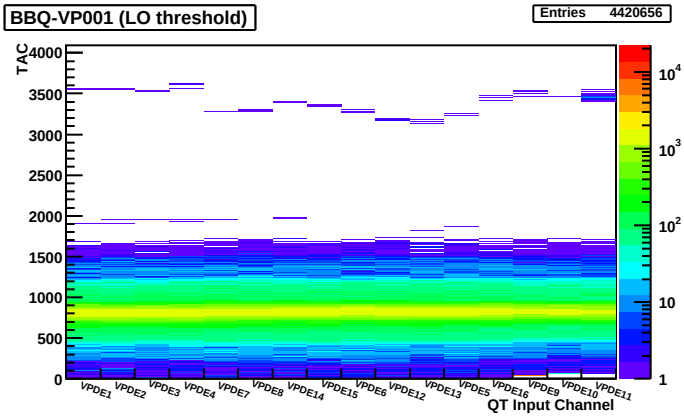

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4420656
ADC
QT Input Channel

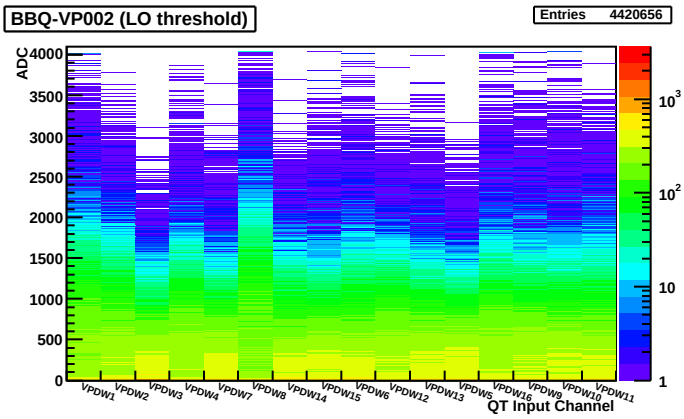

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4420656
TAC
QT Input Channel

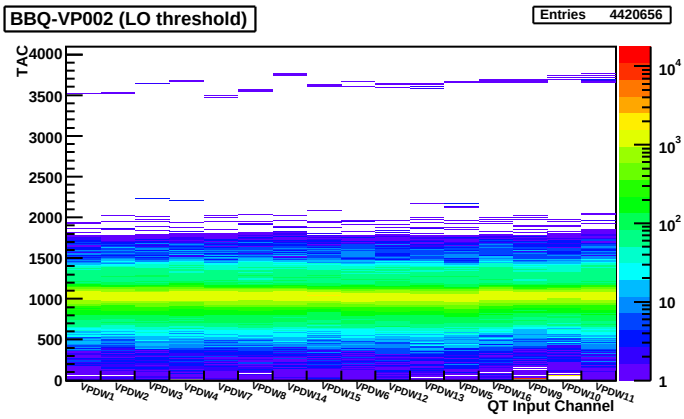

BBQ-ZD001
Entries 4420656
ADC
QT Input Channel

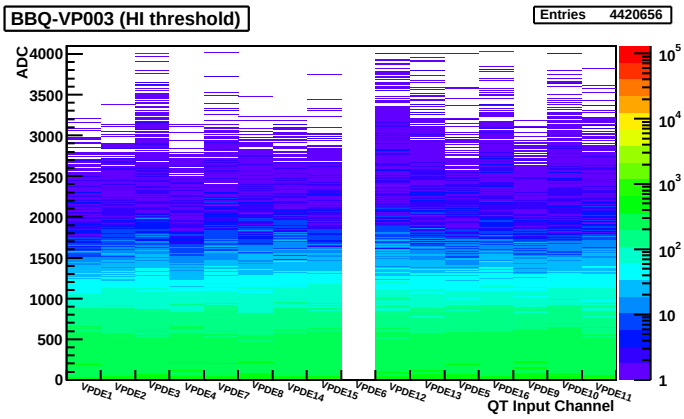

BBQ-ZD001
Entries 4420656
TAC
QT Input Channel

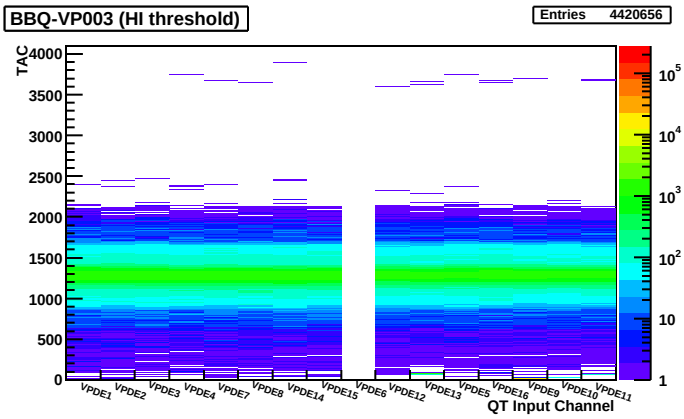

BBQ-VP001 (LO threshold)
Entries 4420656
ADC
QT Input Channel

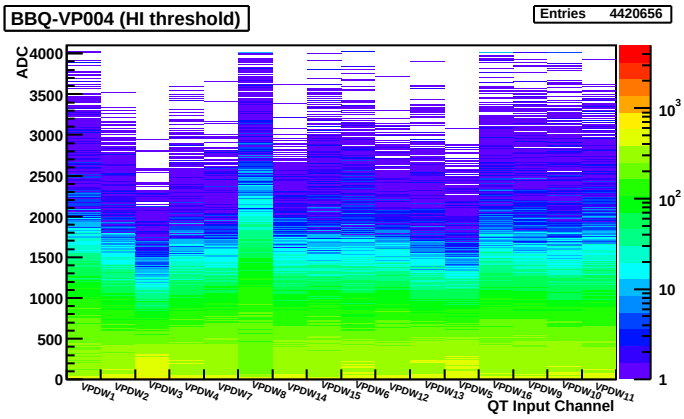

BBQ-VP001 (LO threshold)
Entries 4420656
TAC
QT Input Channel

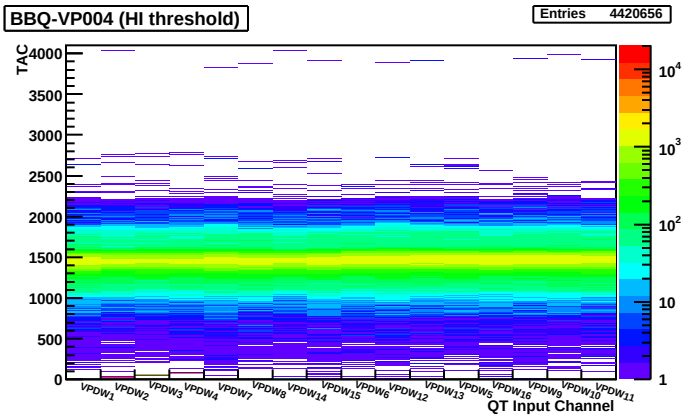

BBQ-VP002 (LO threshold)
Entries 4420656
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 4420656
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4420656
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4420656
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4420656
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4420656
TAC
QT Input Channel