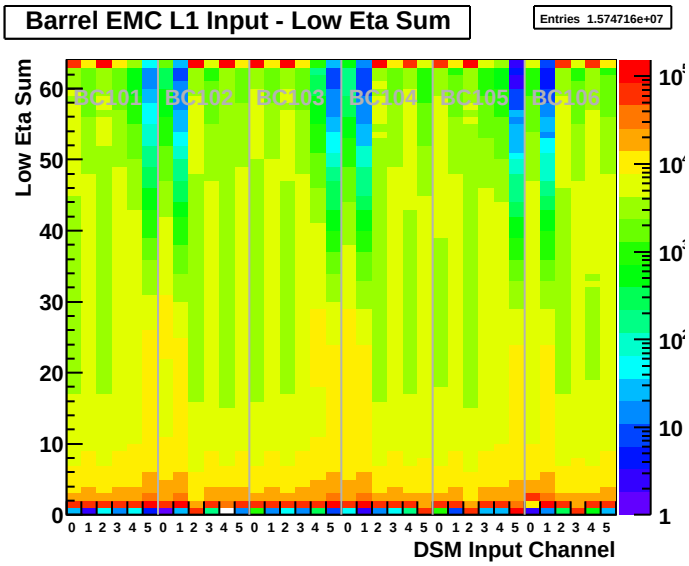
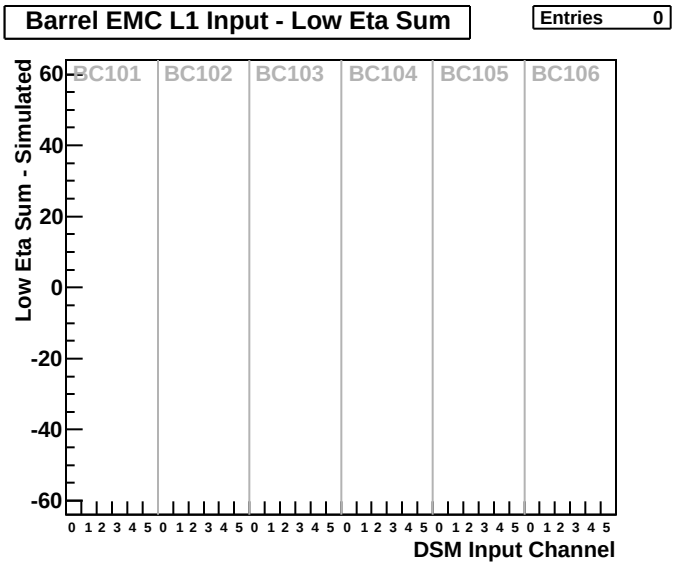
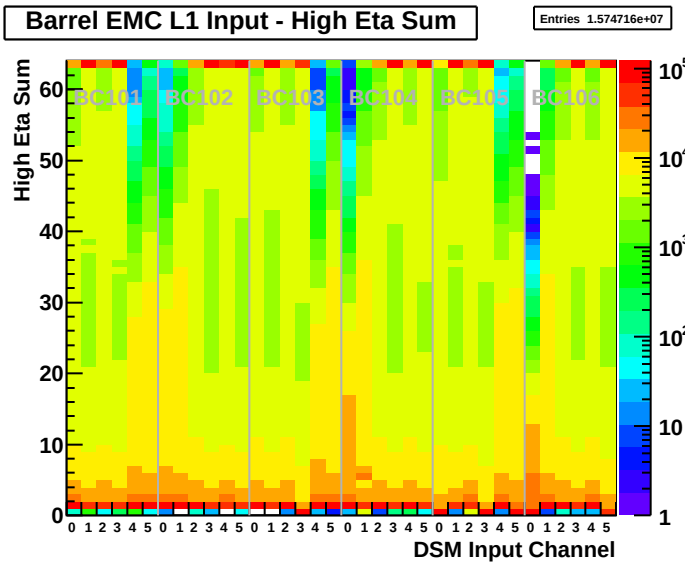
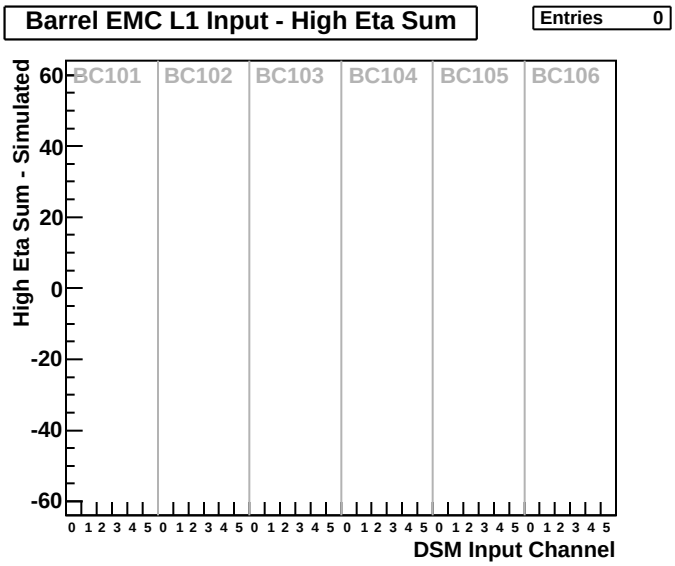
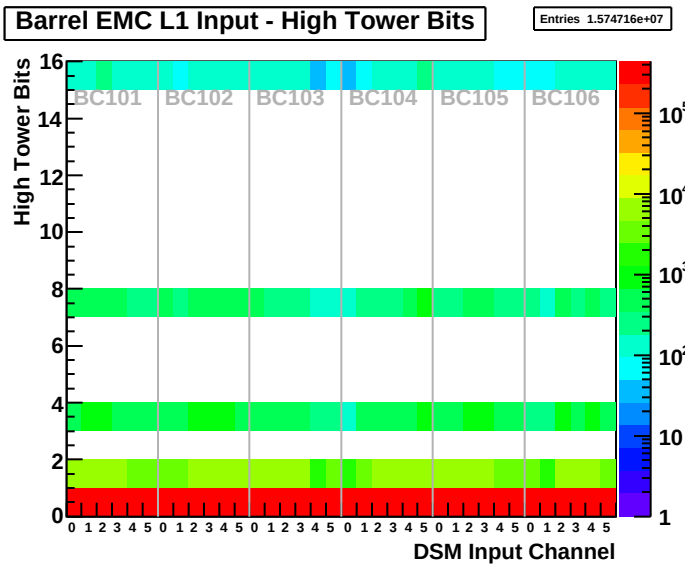
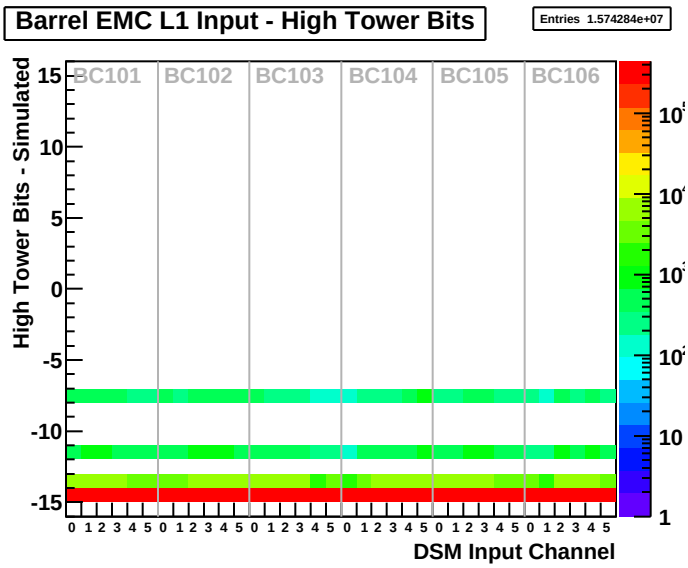

Barrel EMC L1 Input - Low Eta Sum
Entries 1.574716e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

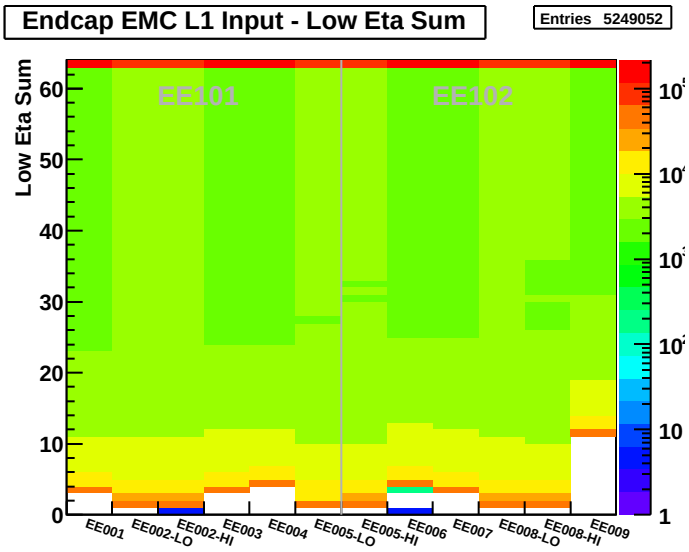

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

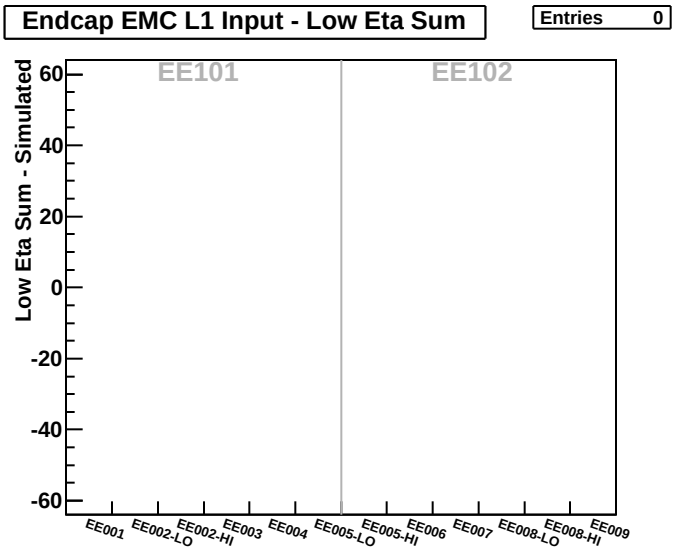

Barrel EMC L1 Input - High Eta Sum
Entries 1.574716e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

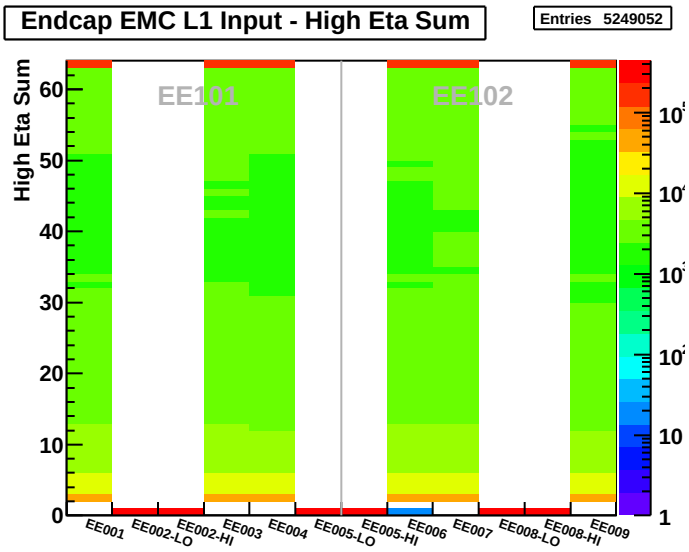

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

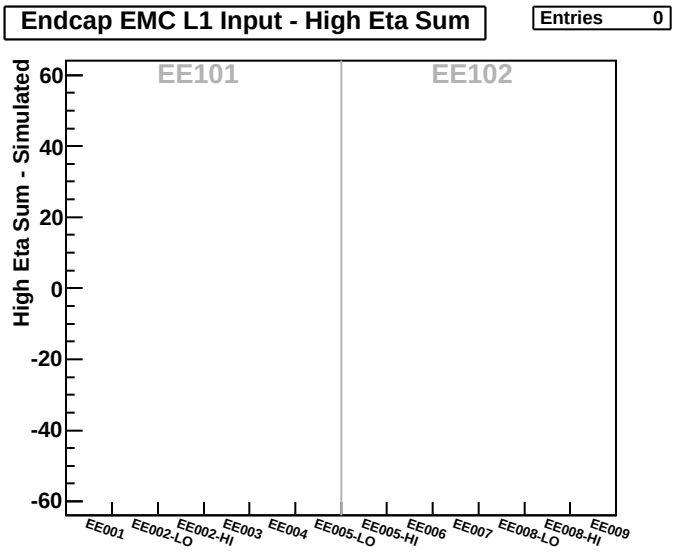

Barrel EMC L1 Input - High Tower Bits
Entries 1.574716e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

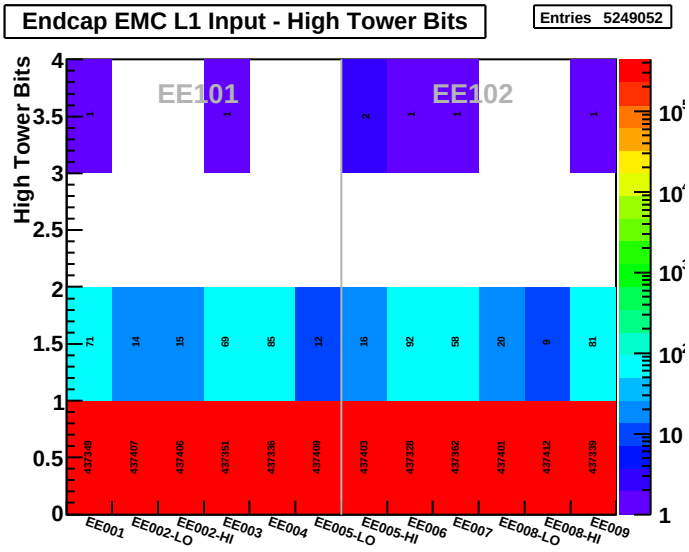

Barrel EMC L1 Input - High Tower Bits
Entries 1.574284e+07
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

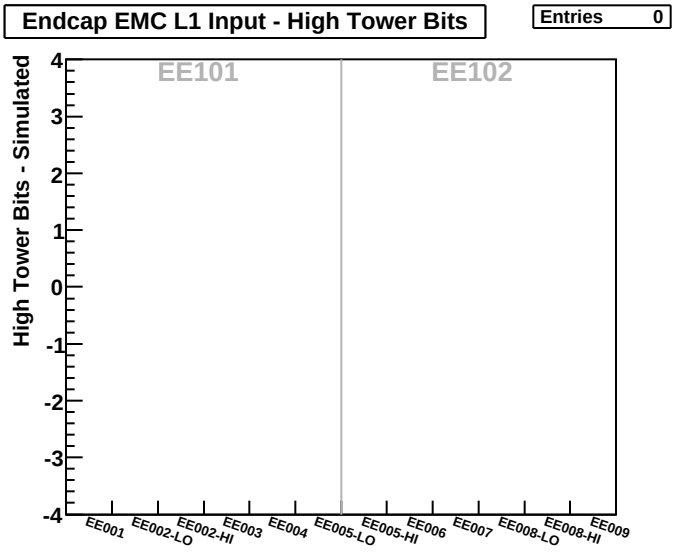

Endcap EMC L1 Input - Low Eta Sum
Entries 5249052
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

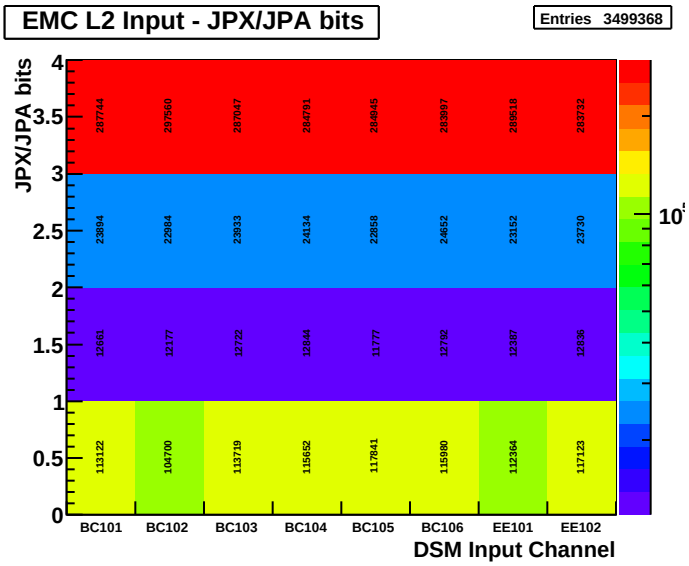

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

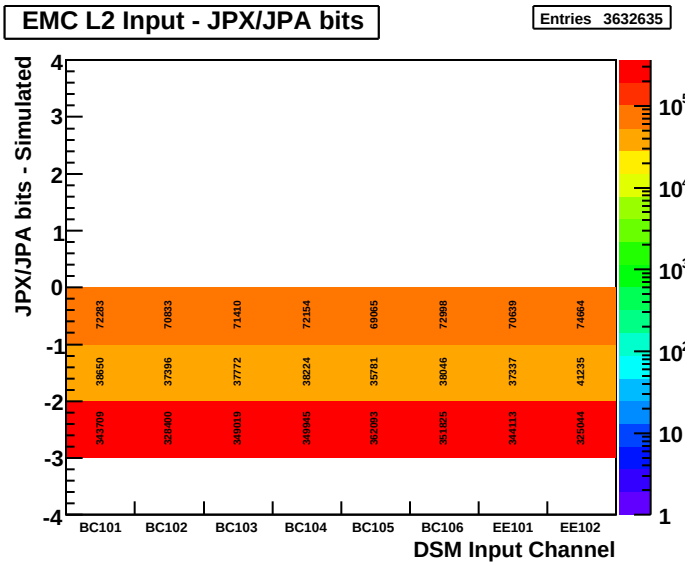

Endcap EMC L1 Input - High Eta Sum
Entries 5249052
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

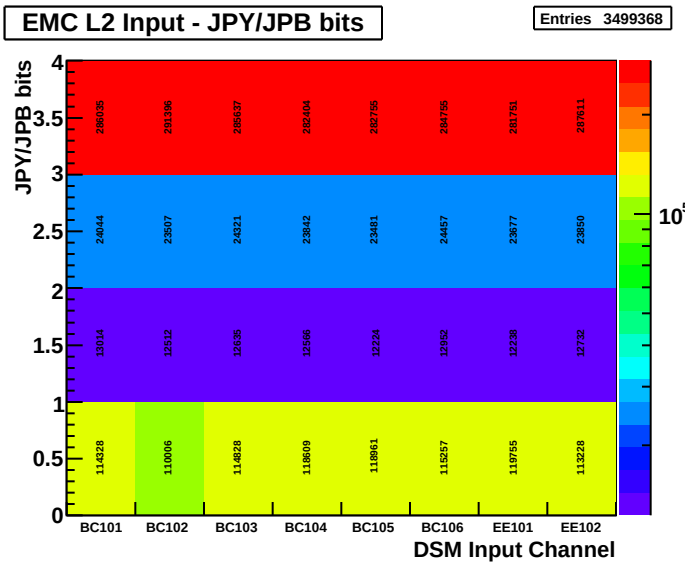

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

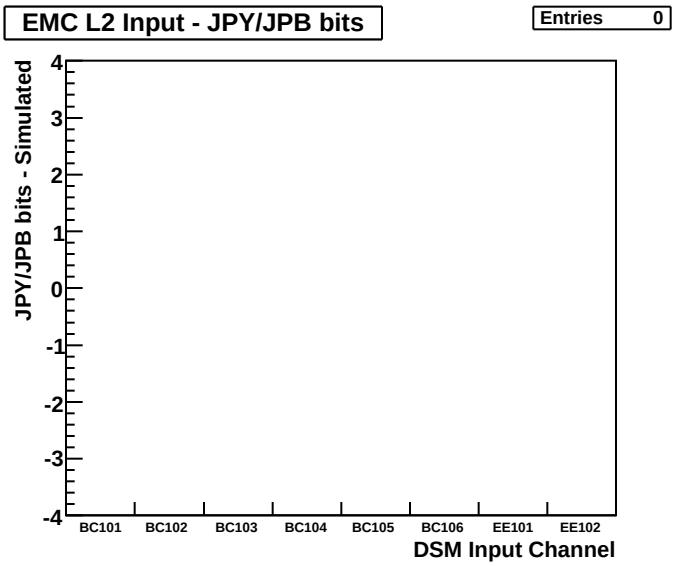

Endcap EMC L1 Input - High Tower Bits
Entries 5249052
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

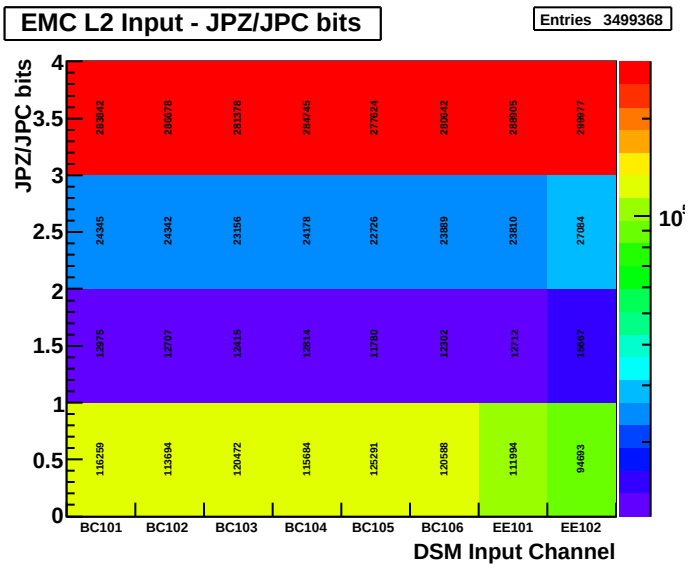

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

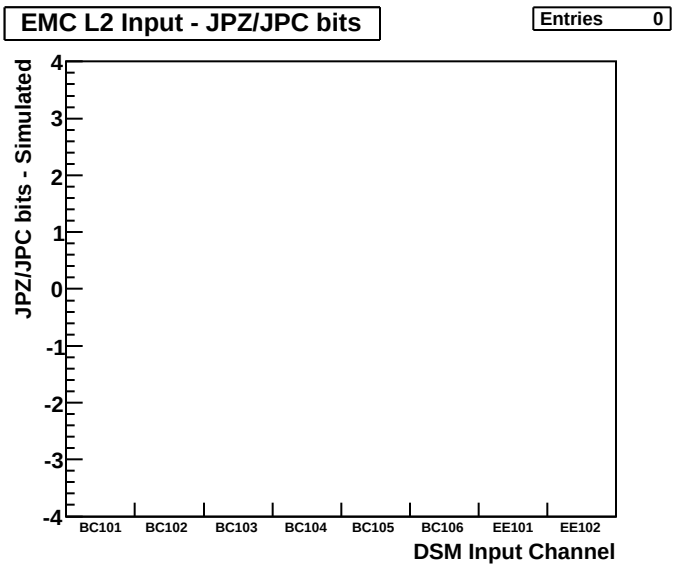

EMC L2 Input - JPX/JPA bits
Entries 3499368
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
287744 297560 287047 284791 284945 283997 289518 283732
23894 22984 23933 24134 22858 24652 23152 23730
12661 12177 12722 12844 11777 12792 12387 12836
113122 104700 113719 115652 117841 115980 112364 117123

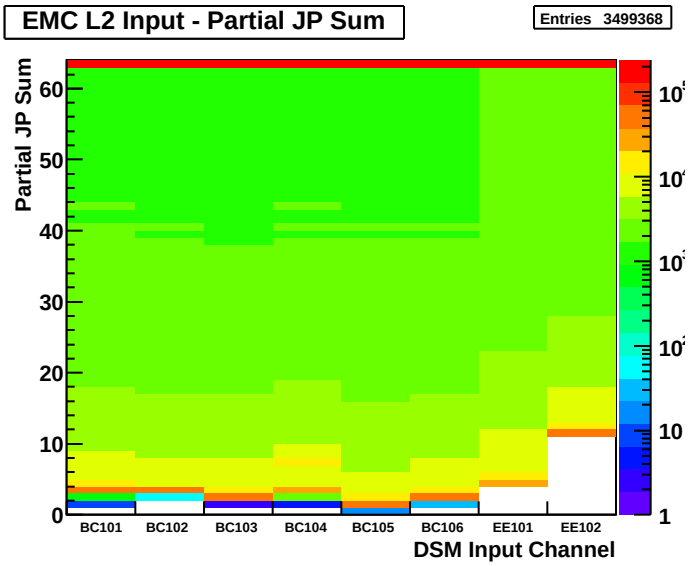

EMC L2 Input - JPX/JPA bits
Entries 3632635
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
72283 70833 71410 72154 69065 72998 70639 74664
38650 37396 37772 38224 35781 38046 37337 41235
343709 328400 349019 349945 362093 351825 344113 325044

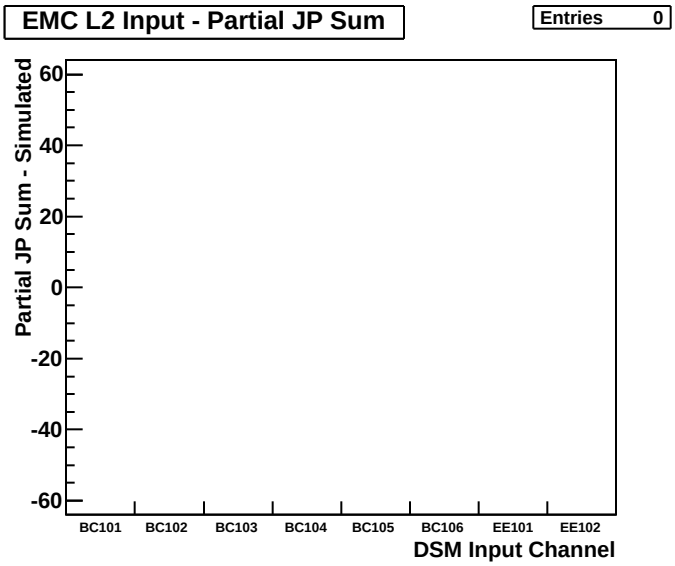

EMC L2 Input - JPY/JPB bits
Entries 3499368
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
286035 291386 285637 282404 282755 284755 281751 287611
24044 23507 24321 23842 23481 24457 23677 23850
13014 12512 12635 12566 12224 12952 12238 12732
114328 110006 114828 118609 118861 115257 119755 113228

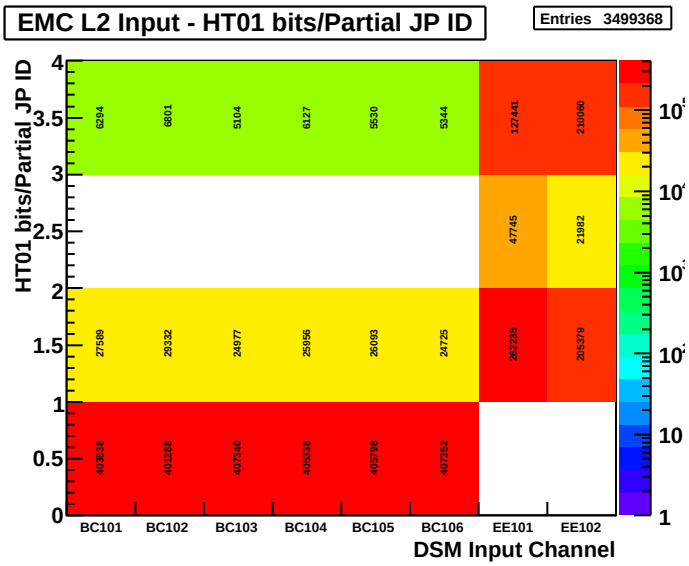

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

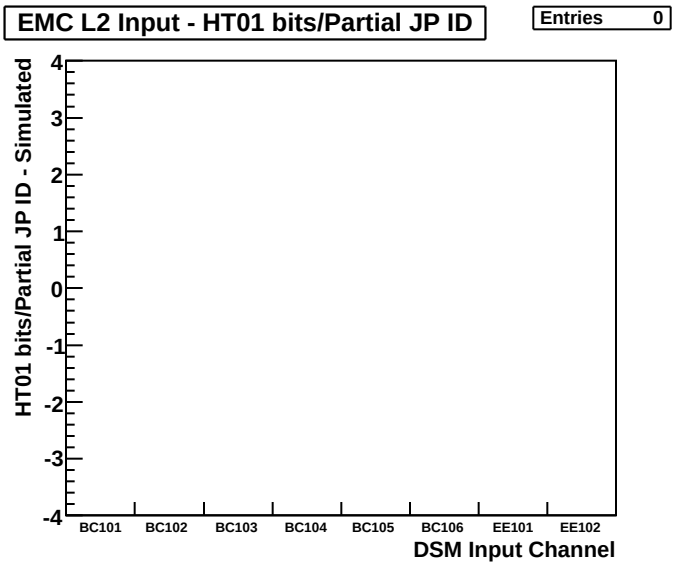

EMC L2 Input - JPZ/JPC bits
Entries 3499368
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
283842 286678 281378 284745 277624 280642 288905 299977
24345 24342 23156 24178 22726 23889 23810 27084
12975 12707 12415 12814 11780 12302 12712 15667
116259 113694 120472 115684 125291 120588 111994 94693

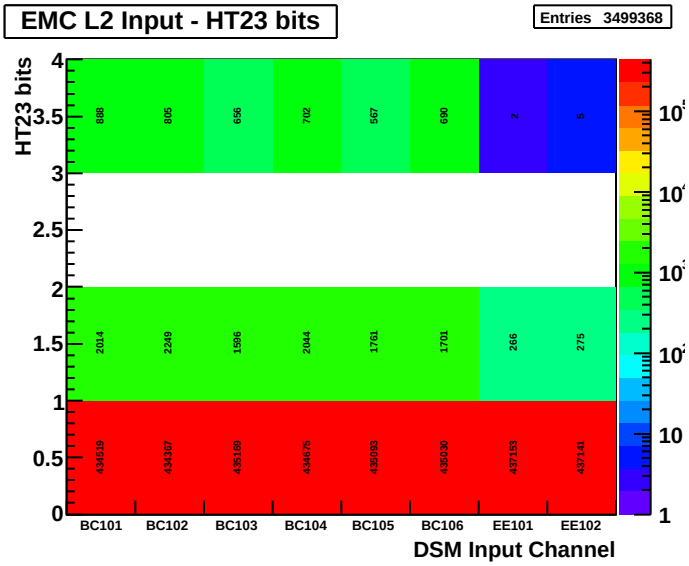

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

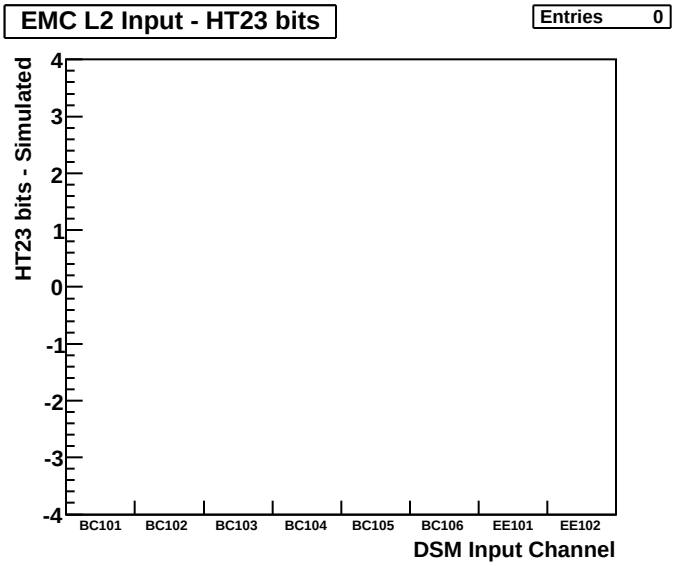

EMC L2 Input - Partial JP Sum
Entries 3499368
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

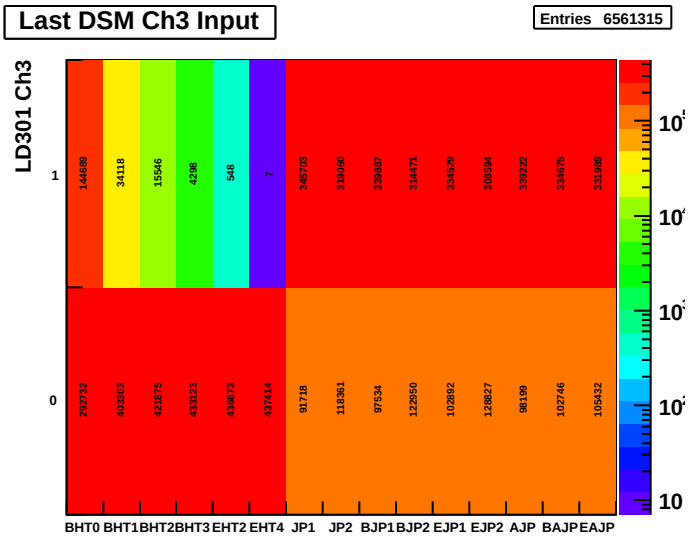

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

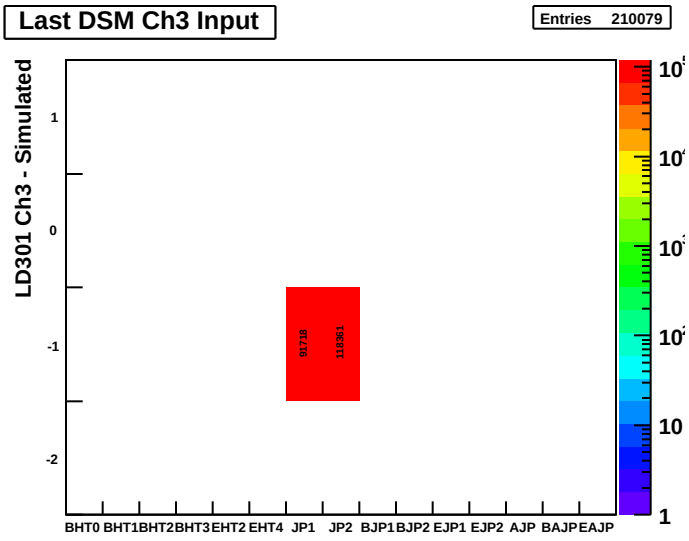

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3499368
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

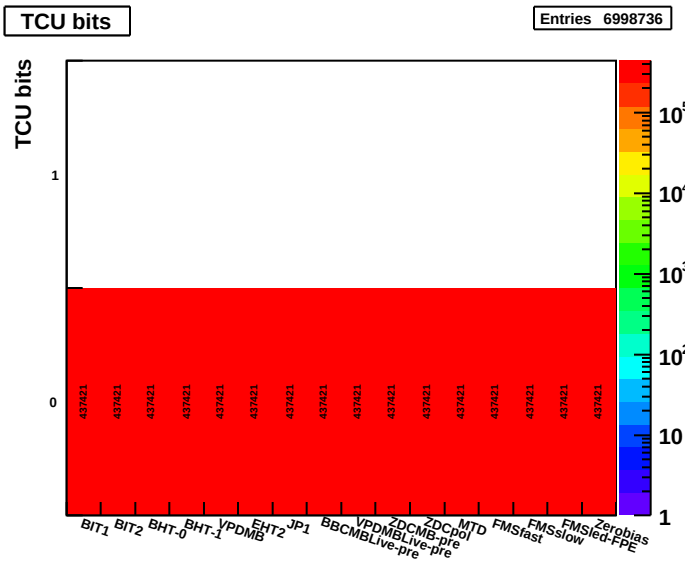

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

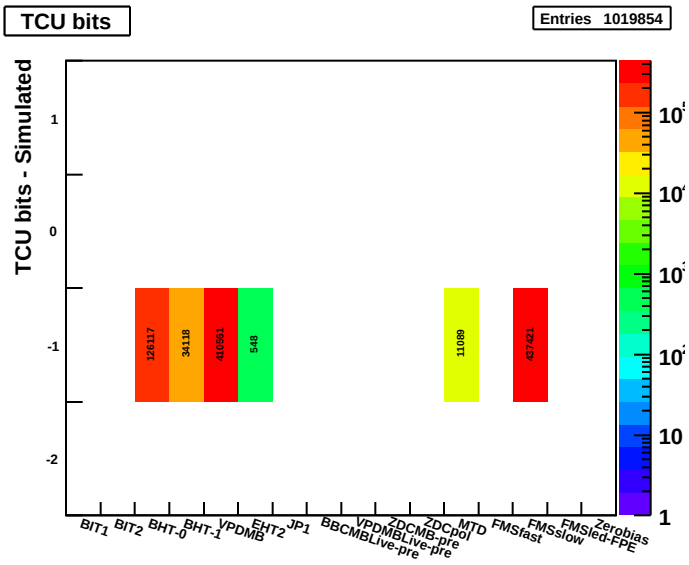

EMC L2 Input - HT23 bits
Entries 3499368
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

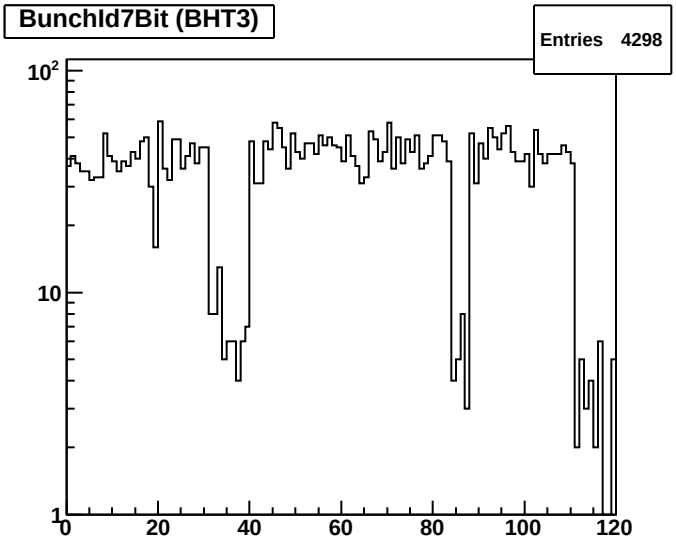

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

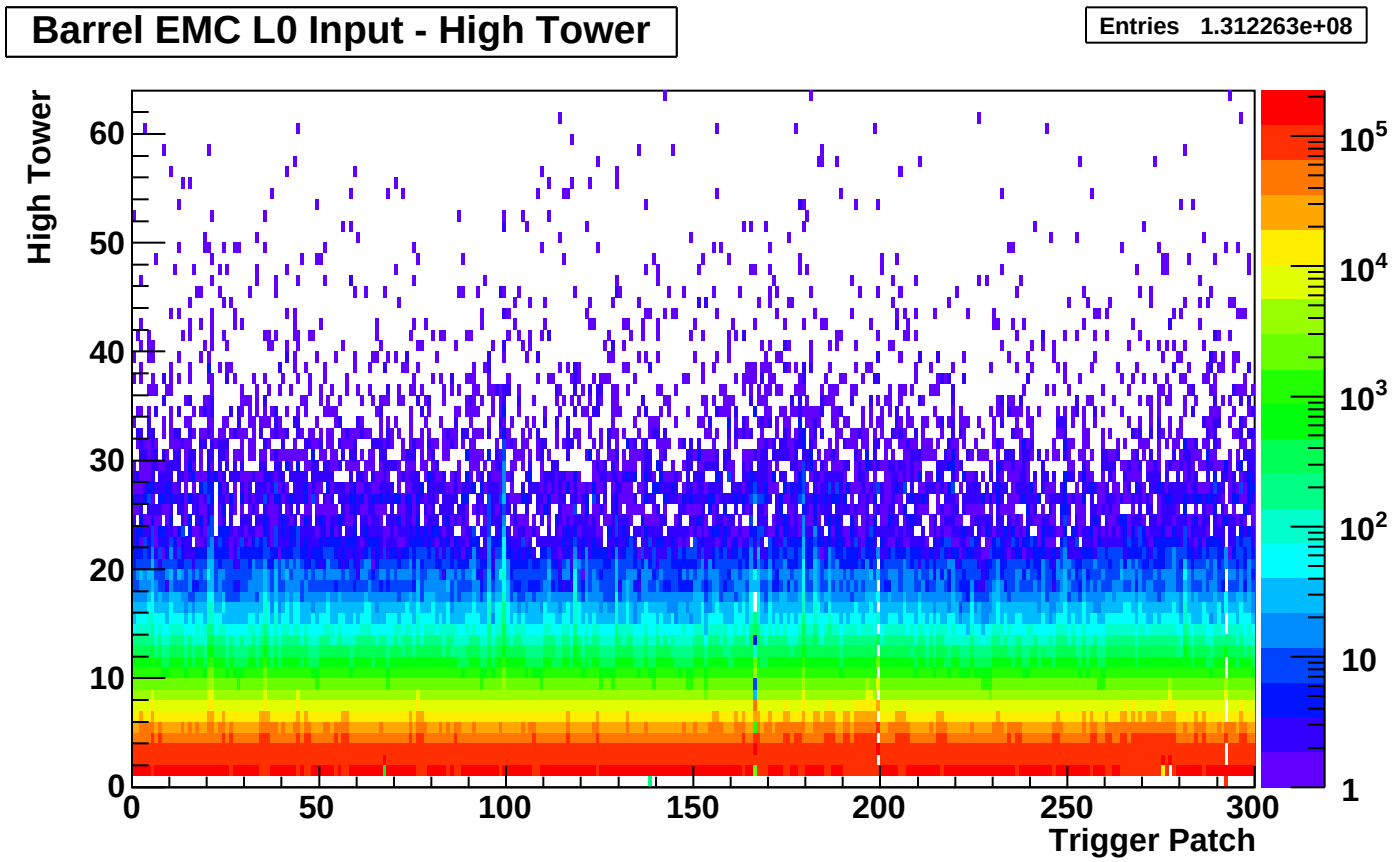

Last DSM Ch3 Input
Entries 6561315
LD301 Ch3
144689 34118 15546 4298 548 7 345703 319060 339087 314471 334529 308594 339222 334675 331989
292732 403303 421875 433123 436873 437414 91718 118361 97534 122950 102892 128827 98199 102746 105432
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

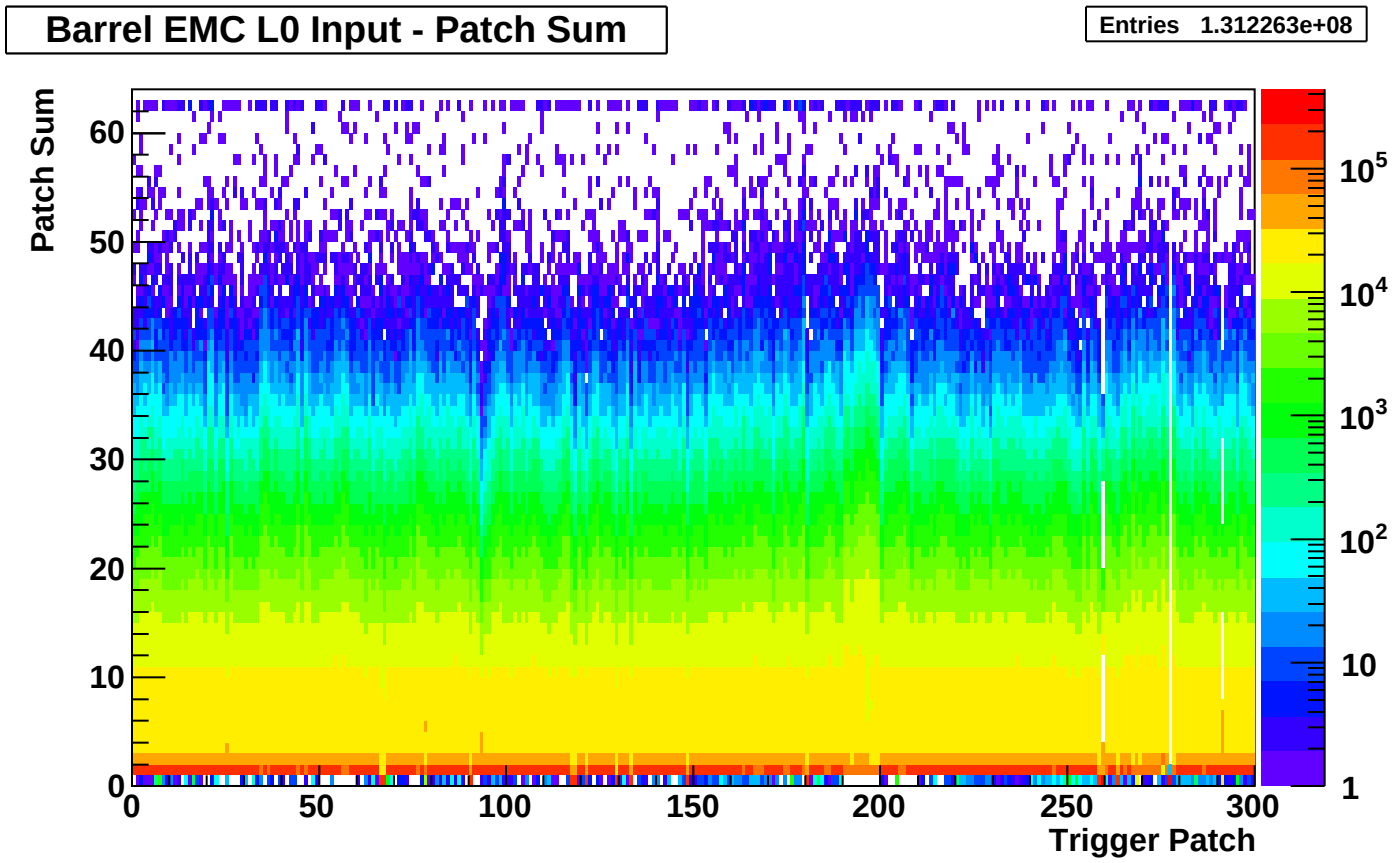

Last DSM Ch3 Input
Entries 210079
LD301 Ch3 - Simulated
91718 118361
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

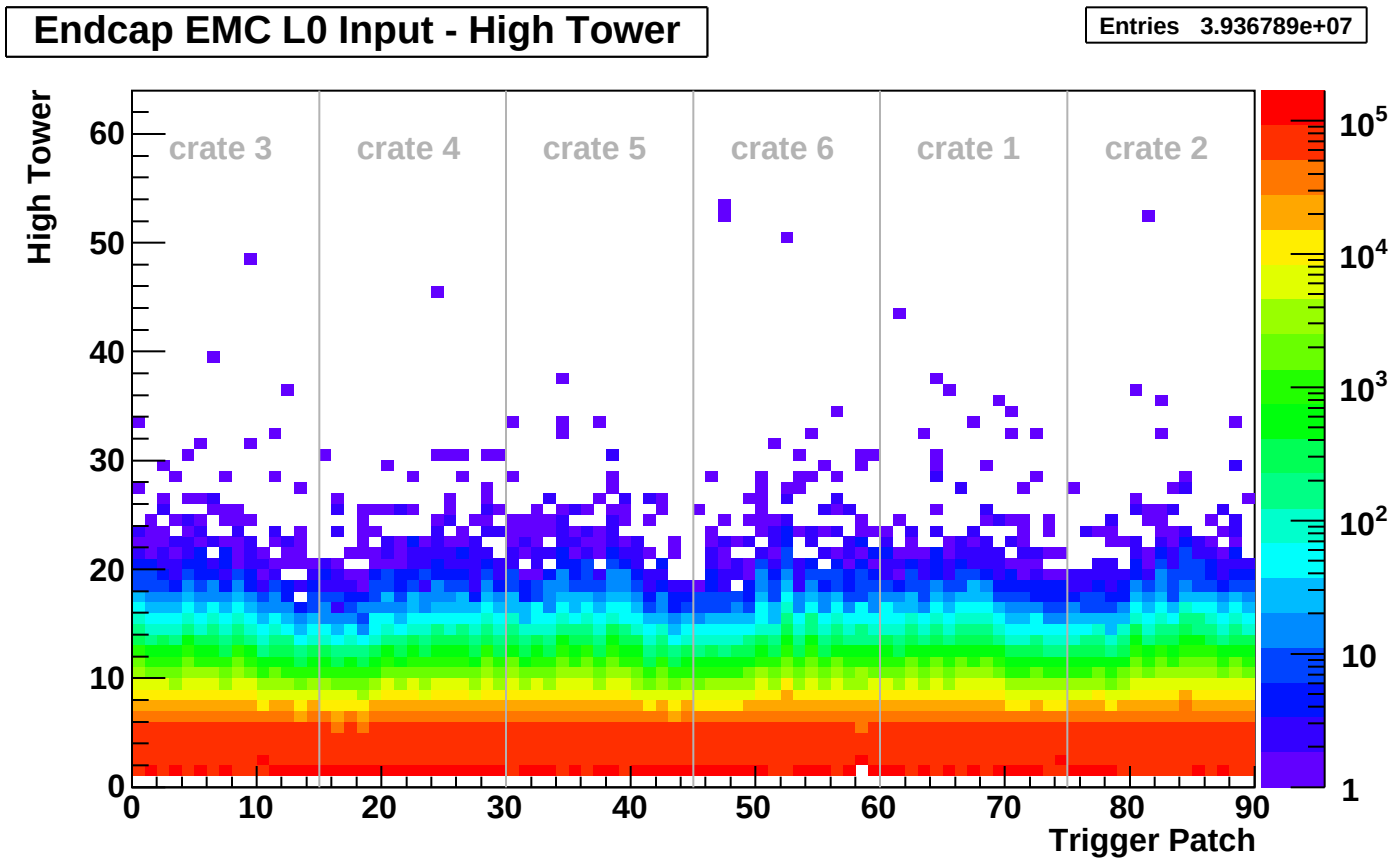

TCU bits
Entries 6998736
TCU bits
437421
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

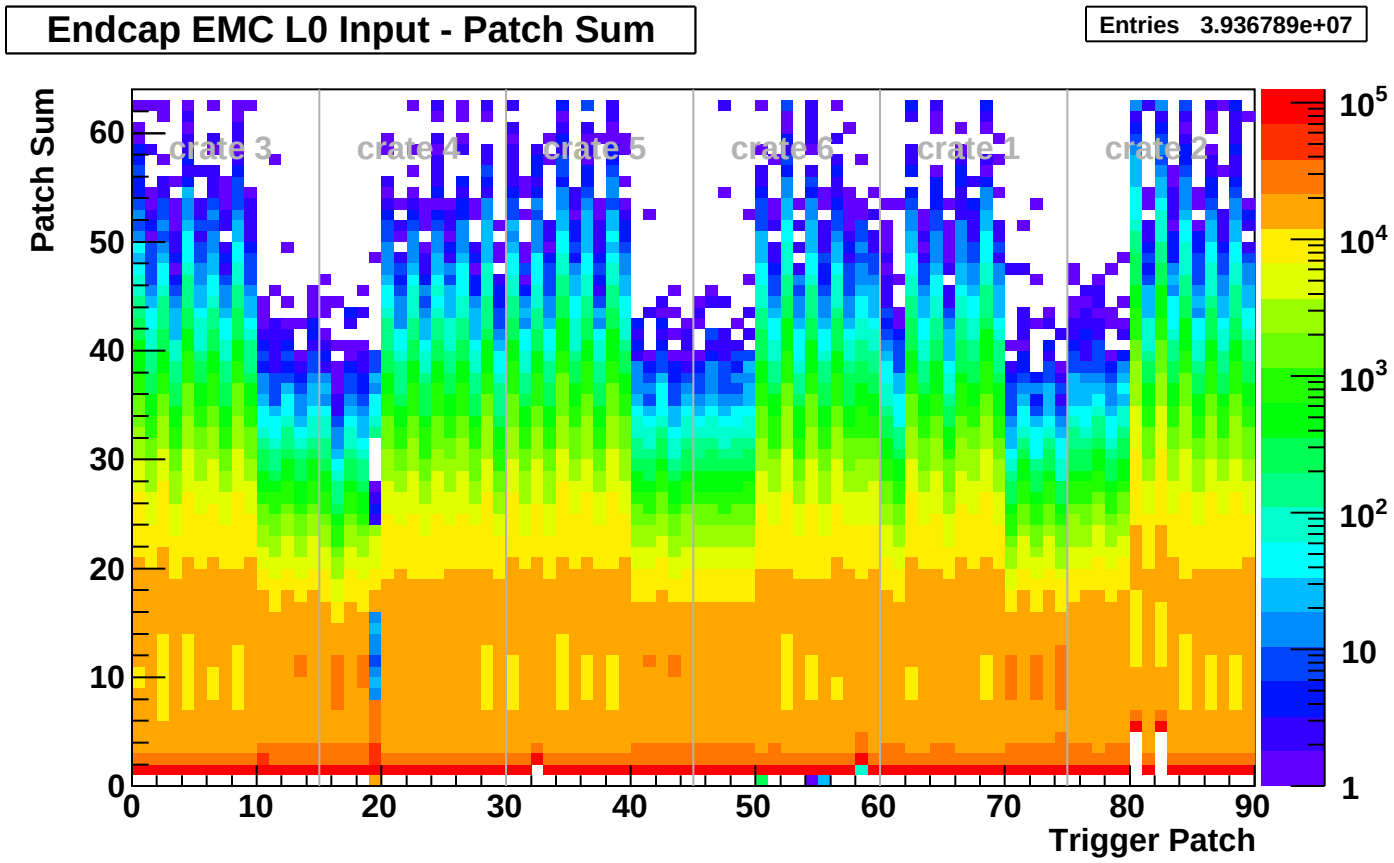

TCU bits
Entries 1019854
TCU bits - Simulated
126117 34118 410561 548 11089 437421
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

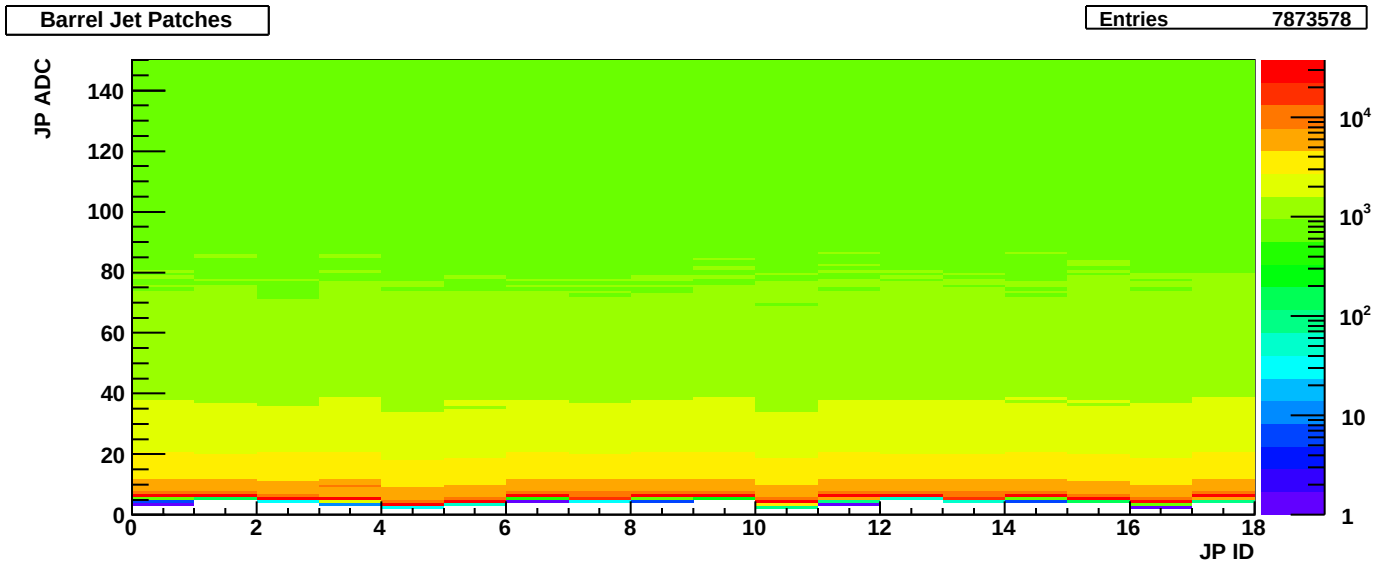

BunchId7Bit (BHT3)
Entries 4298

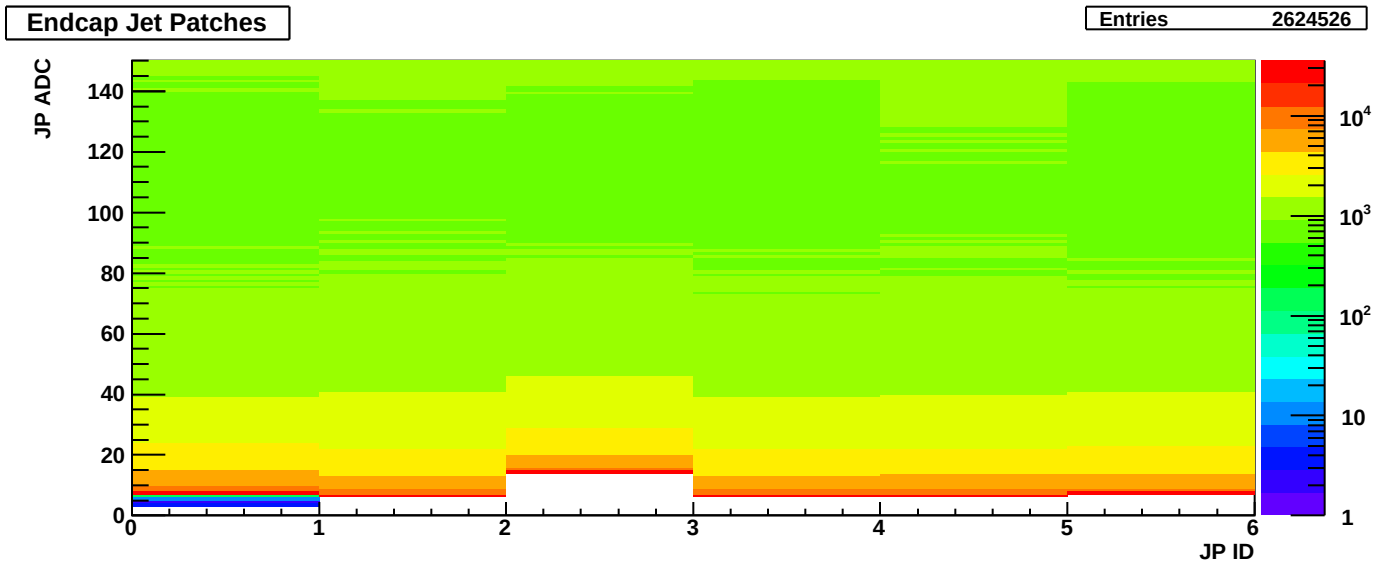

Barrel EMC L0 Input - High Tower
Entries 1.312263e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

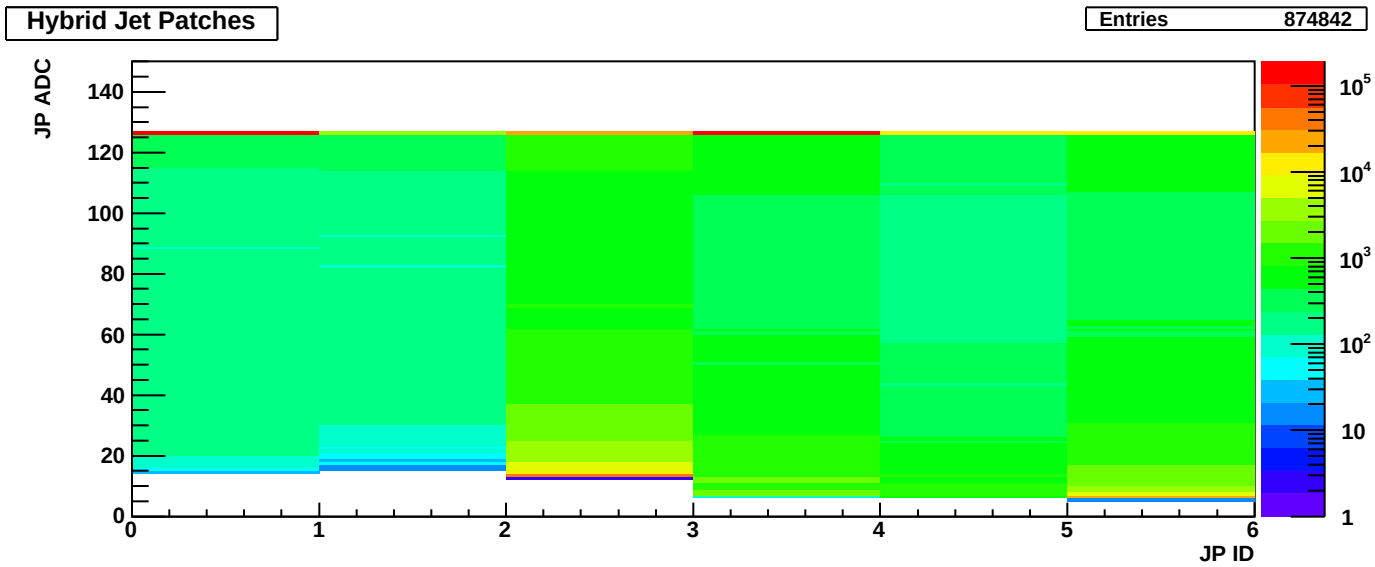

Barrel EMC L0 Input - Patch Sum
Entries 1.312263e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

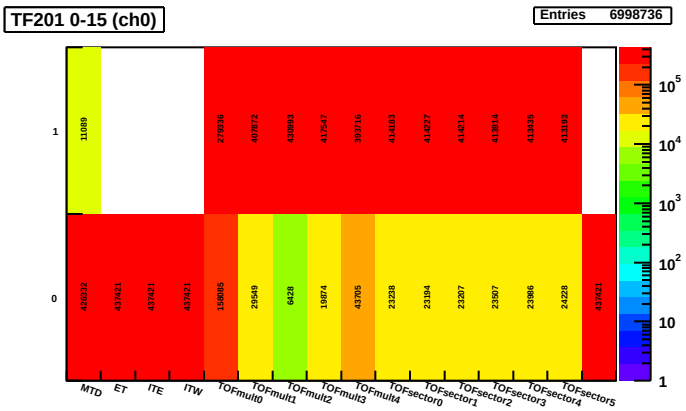

Endcap EMC L0 Input - High Tower
Entries 3.936789e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

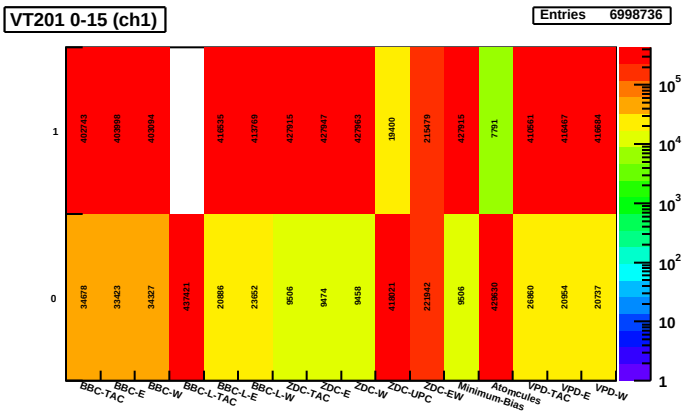

Endcap EMC L0 Input - Patch Sum
Entries 3.936789e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

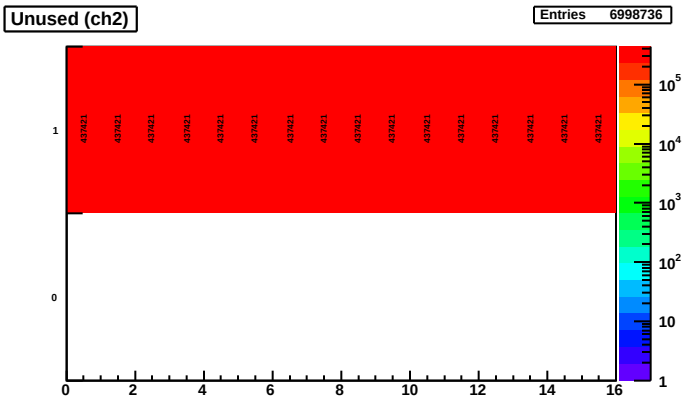

Barrel Jet Patches
Entries 7873578
JP ADC
JP ID

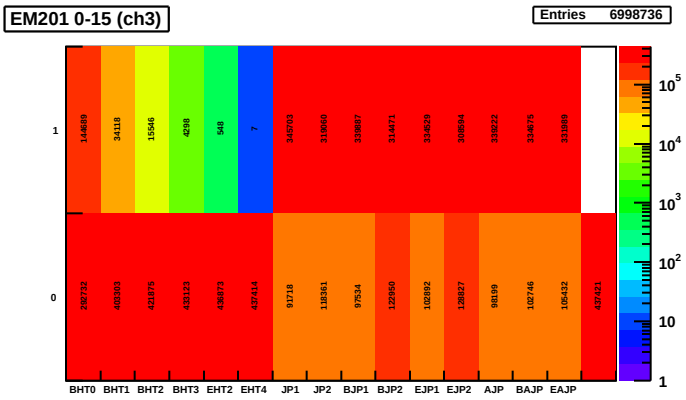

Endcap Jet Patches
Entries 2624526
JP ADC
JP ID

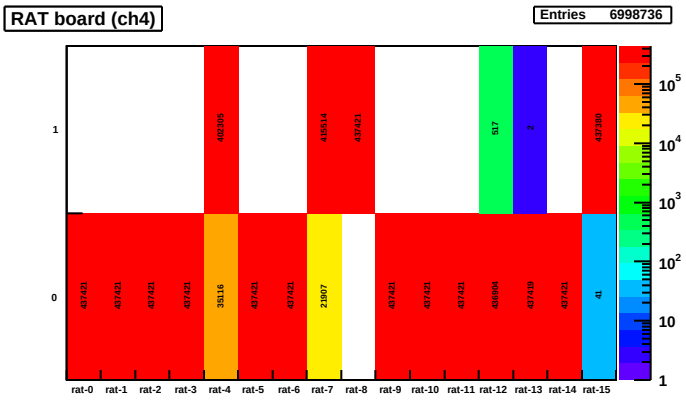

Hybrid Jet Patches
Entries 874842
JP ADC
JP ID

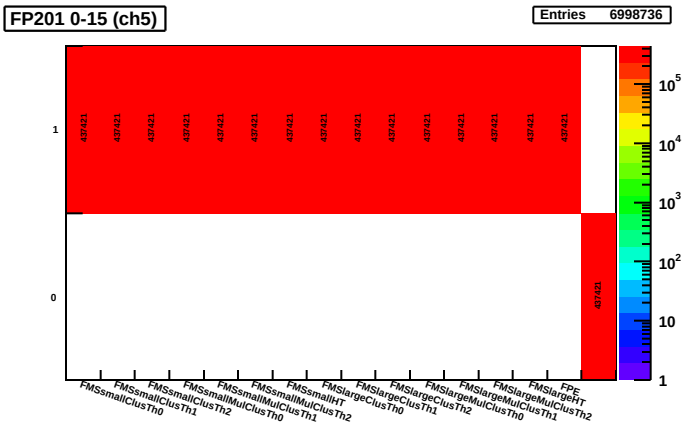

TF201 0-15 (ch0)
Entries 6998736
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

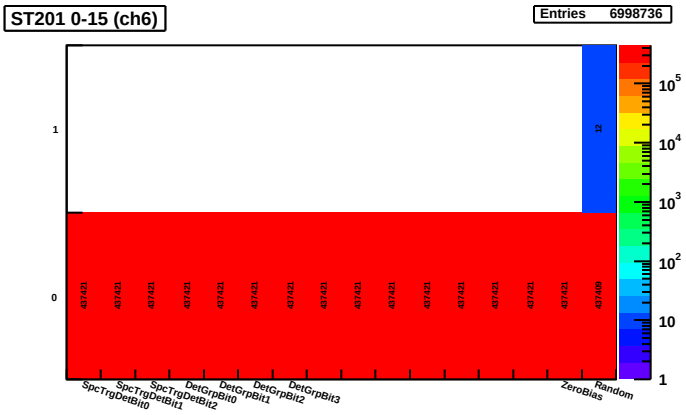

VT201 0-15 (ch1)
Entries 6998736
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

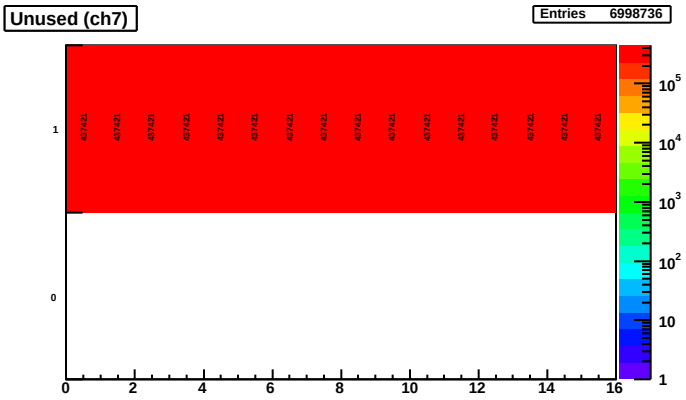

Unused (ch2)
Entries 6998736

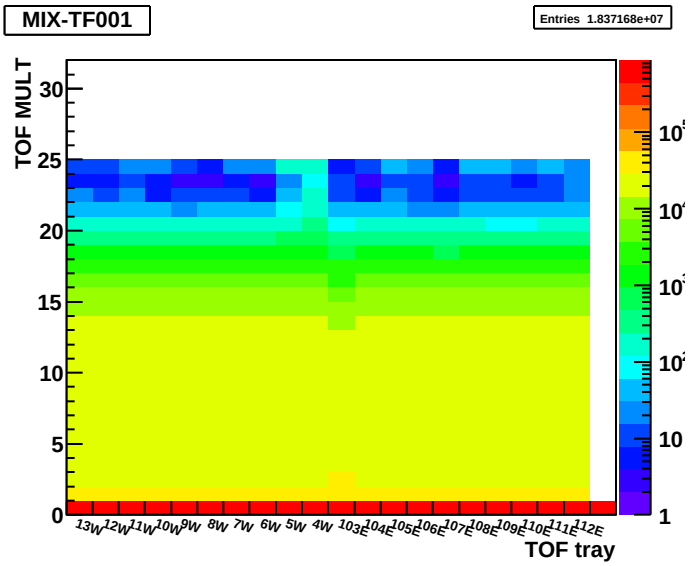

EM201 0-15 (ch3)
Entries 6998736
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

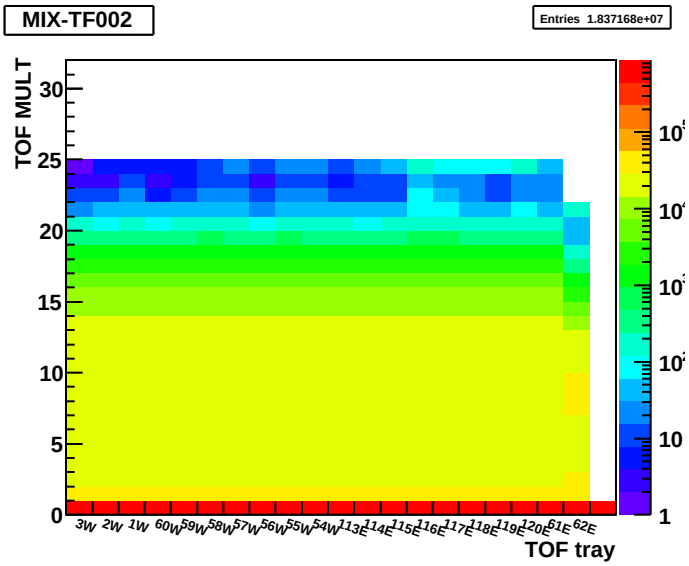

RAT board (ch4)
Entries 6998736
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

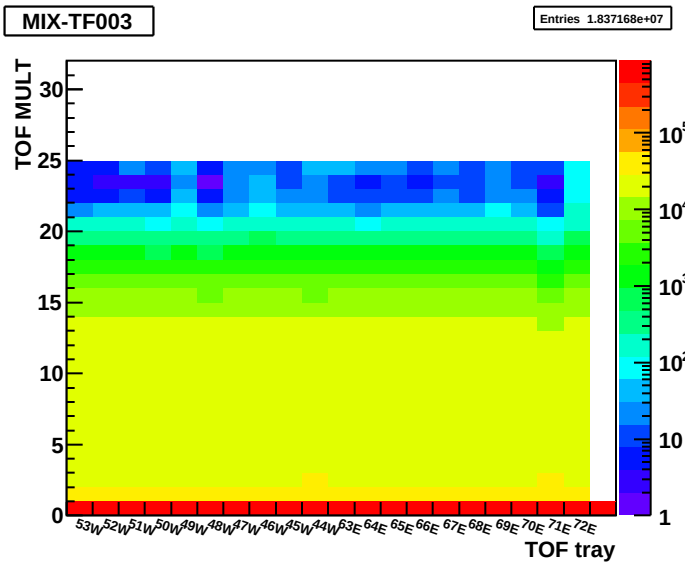

FP201 0-15 (ch5)
Entries 6998736
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

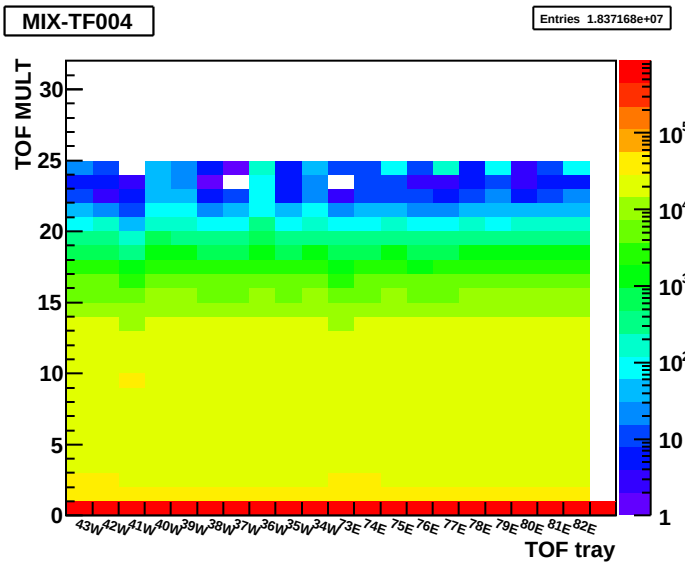

ST201 0-15 (ch6)
Entries 6998736
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

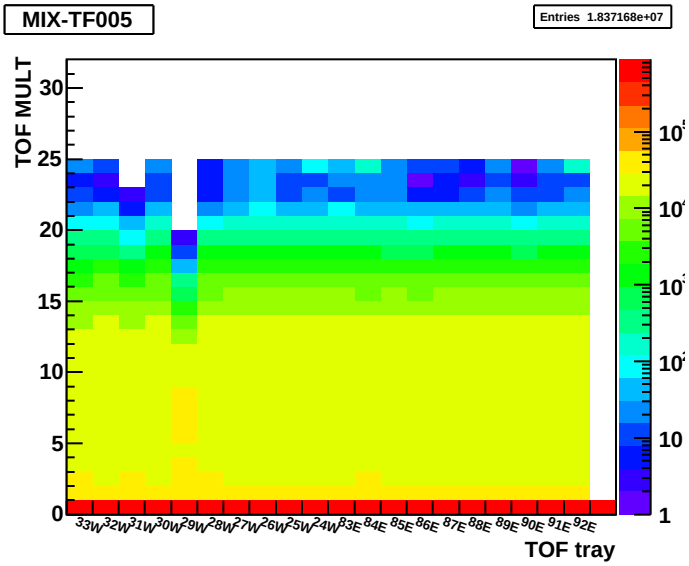

Unused (ch7)
Entries 6998736

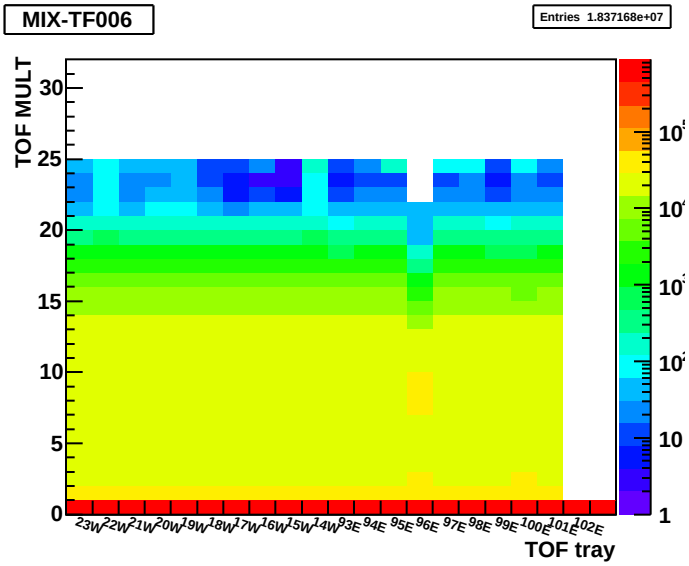

MIX-TF001
Entries 1.837168e+07
TOF MULT
TOF tray

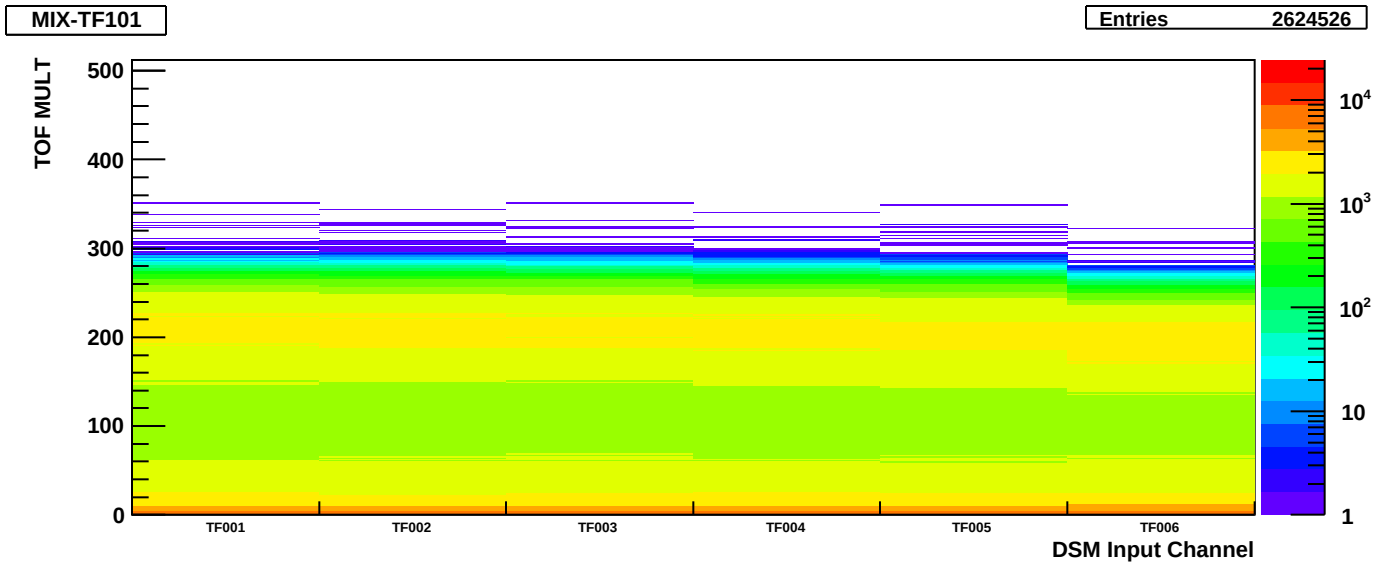

MIX-TF002
Entries 1.837168e+07
TOF MULT
TOF tray

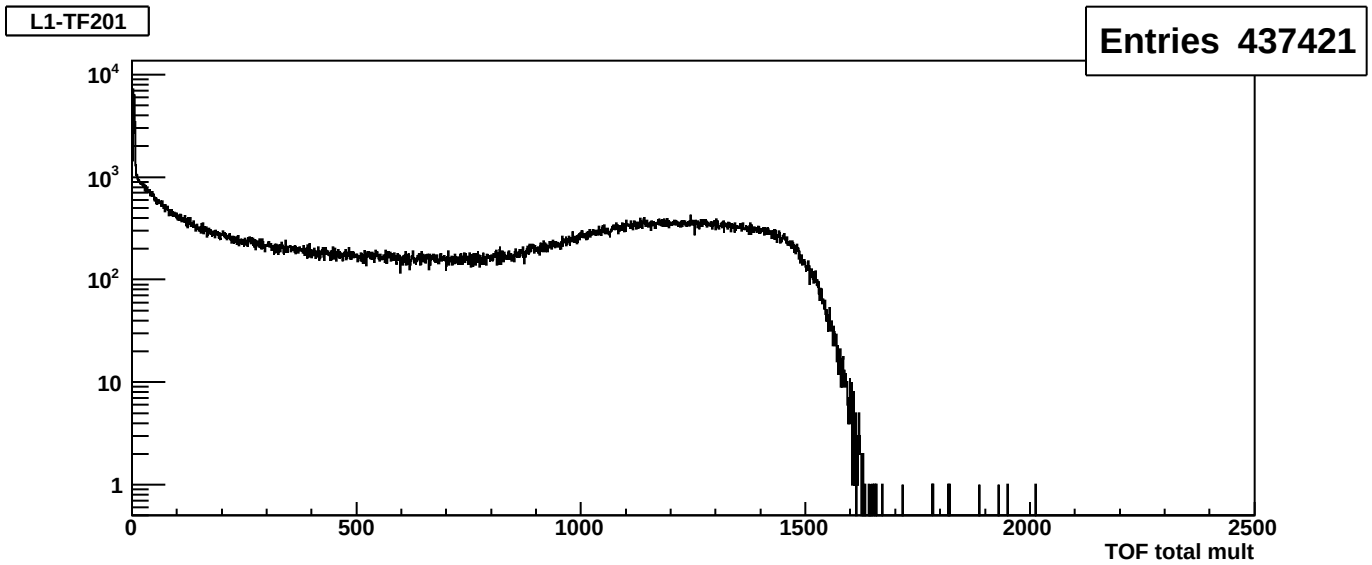

MIX-TF003
Entries 1.837168e+07
TOF MULT
TOF tray

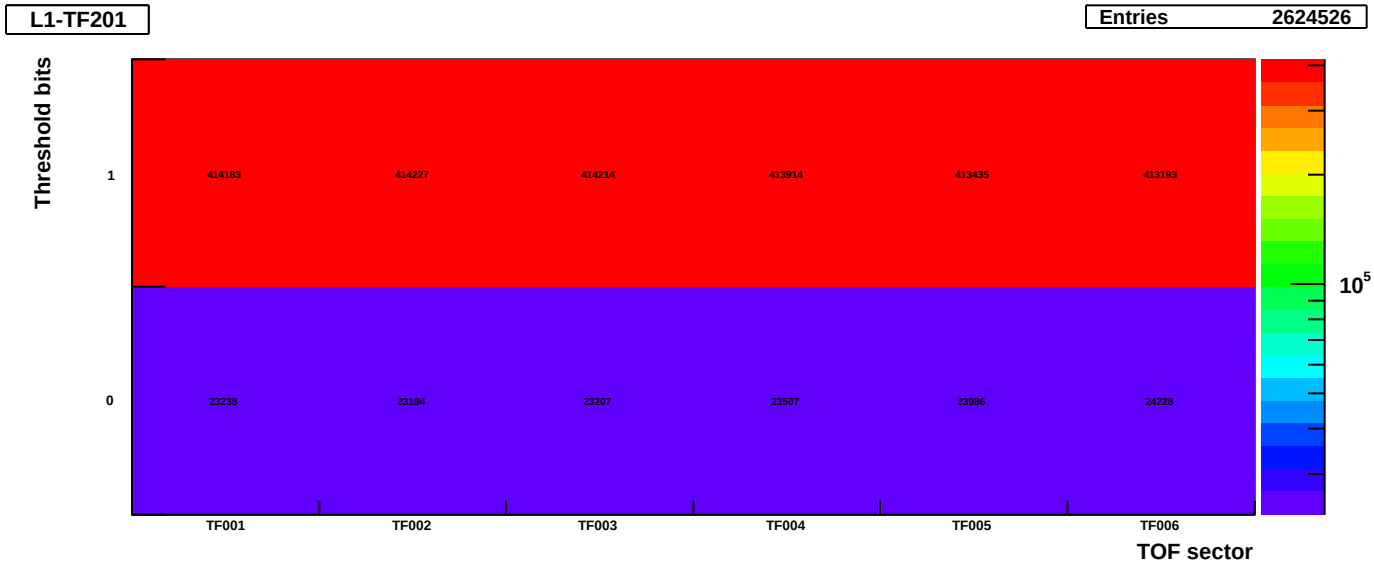

MIX-TF004
Entries 1.837168e+07
TOF MULT
TOF tray

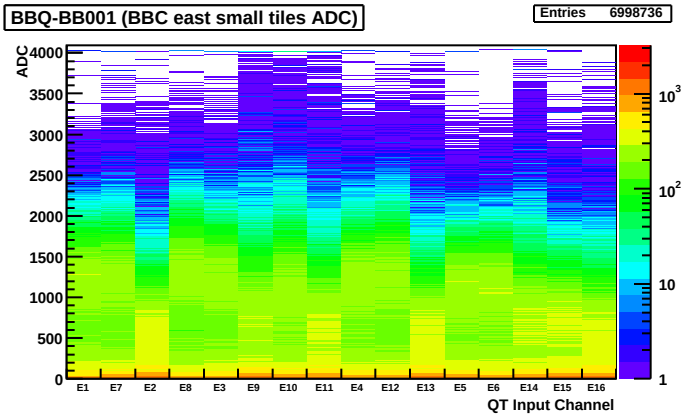

MIX-TF005
Entries 1.837168e+07
TOF MULT
TOF tray

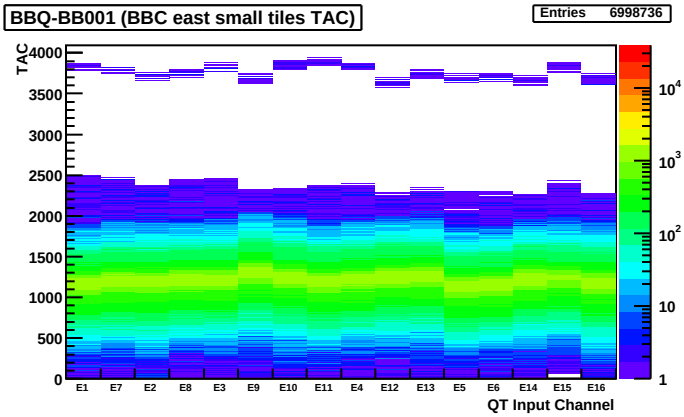

MIX-TF006
Entries 1.837168e+07
TOF MULT
TOF tray

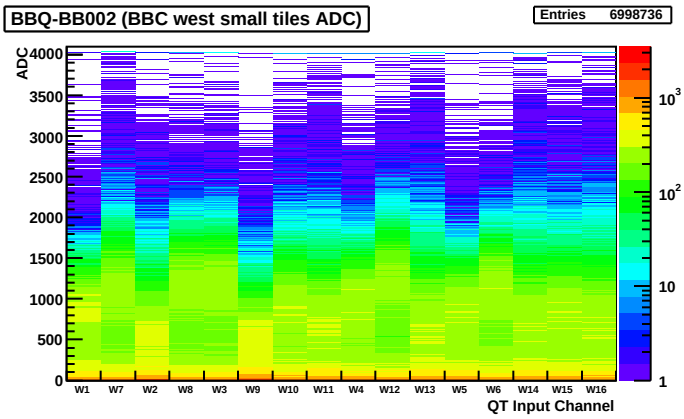

MIX-TF101
Entries 2624526
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
$10^4$
$10^3$
$10^2$
10
1

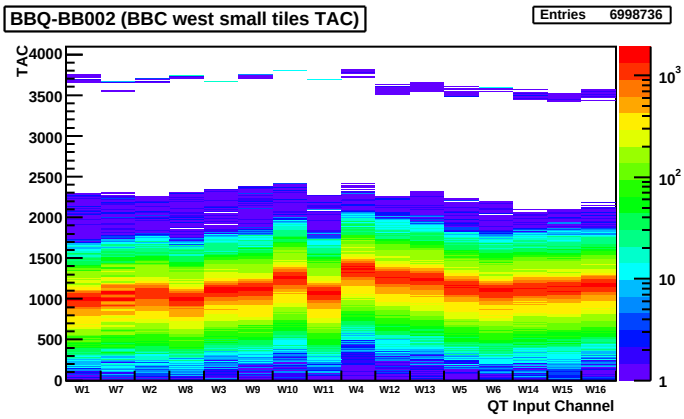

L1-TF201
Entries 437421
$10^4$
$10^3$
$10^2$
10
1
0
500
1000
1500
2000
2500
TOF total mult

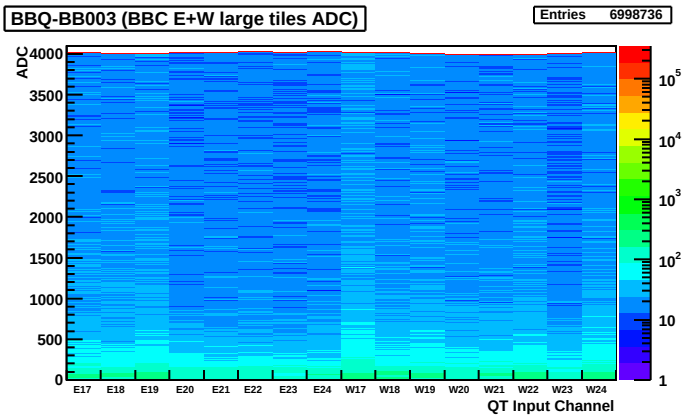

L1-TF201
Entries 2624526
Threshold bits
1
0
414183
414227
414214
413914
413435
413193
23238
23194
23207
23507
23986
24228
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
$10^5$

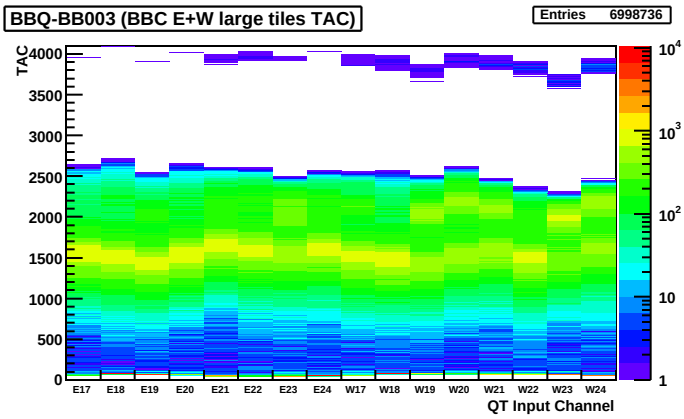

BBQ-BB001 (BBC east small tiles ADC)
Entries 6998736
ADC
QT Input Channel

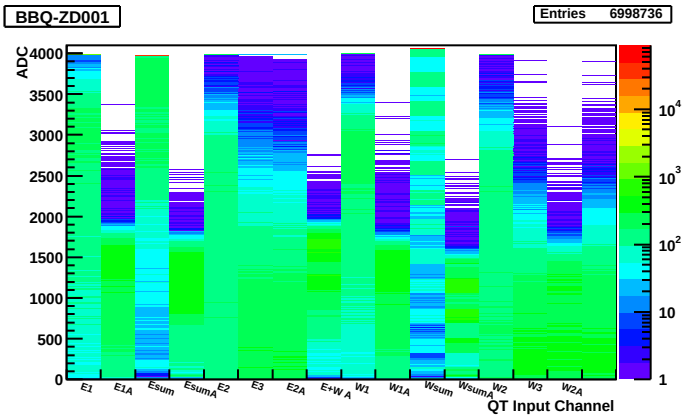

BBQ-BB001 (BBC east small tiles TAC)
Entries 6998736
TAC
QT Input Channel

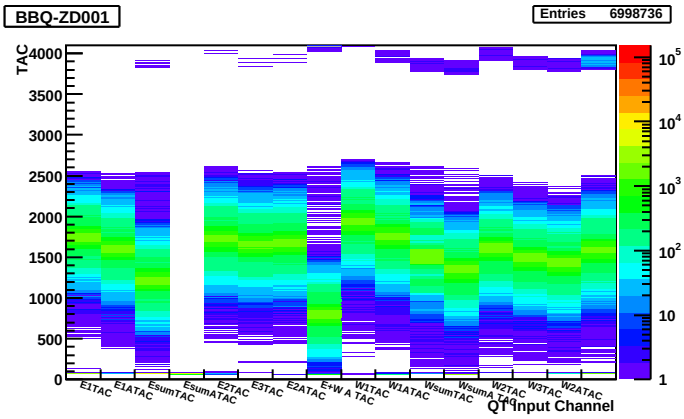

BBQ-BB002 (BBC west small tiles ADC)
Entries 6998736
ADC
QT Input Channel

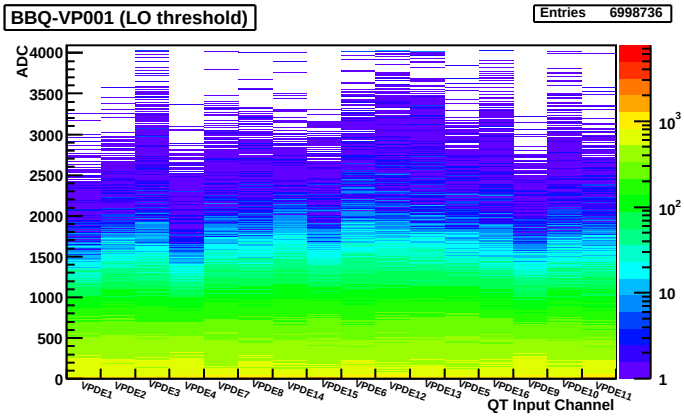

BBQ-BB002 (BBC west small tiles TAC)
Entries 6998736
TAC
QT Input Channel

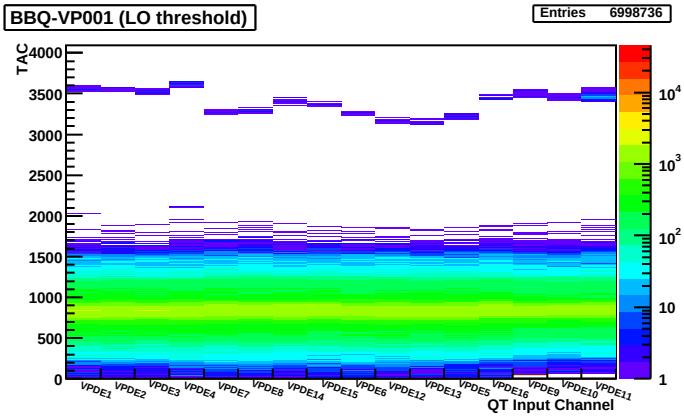

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6998736
ADC
QT Input Channel

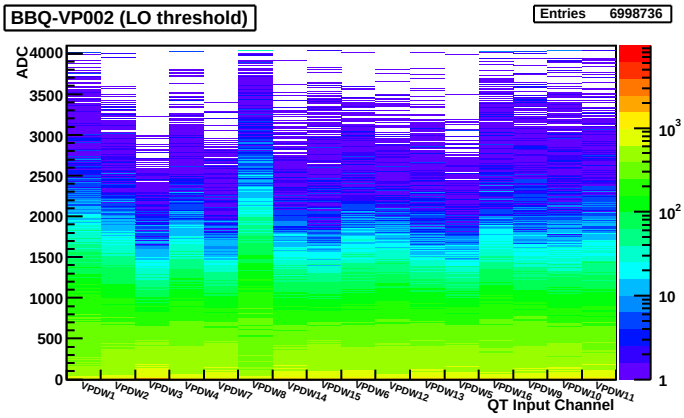

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6998736
TAC
QT Input Channel

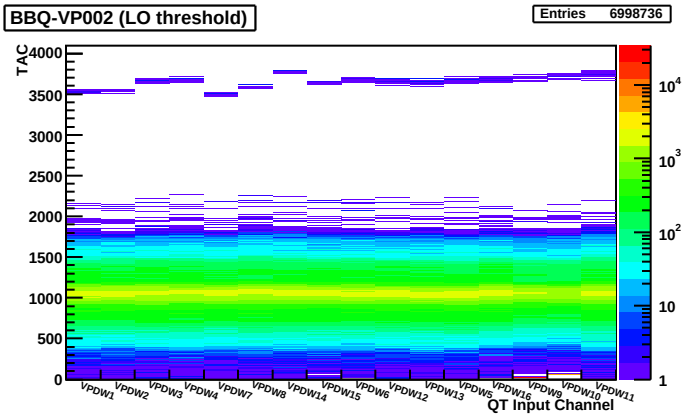

BBQ-ZD001
Entries 6998736
ADC
QT Input Channel

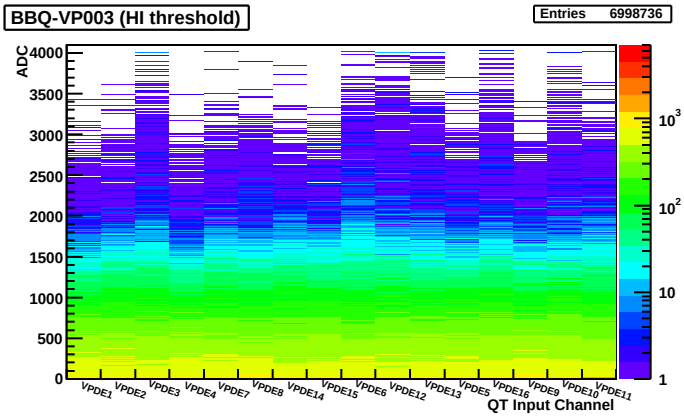

BBQ-ZD001
Entries 6998736
TAC
QT Input Channel

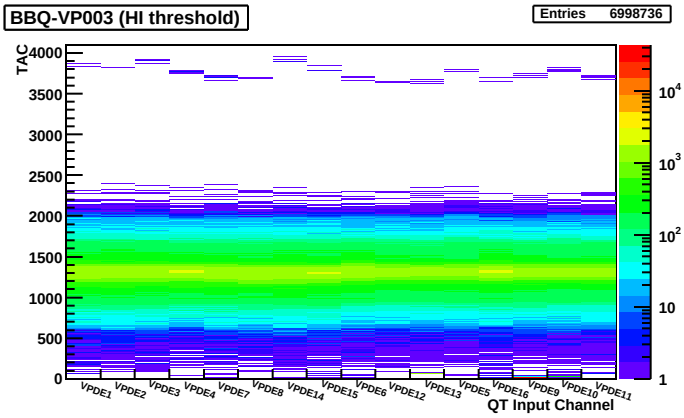

BBQ-VP001 (LO threshold)
Entries 6998736
ADC
QT Input Channel

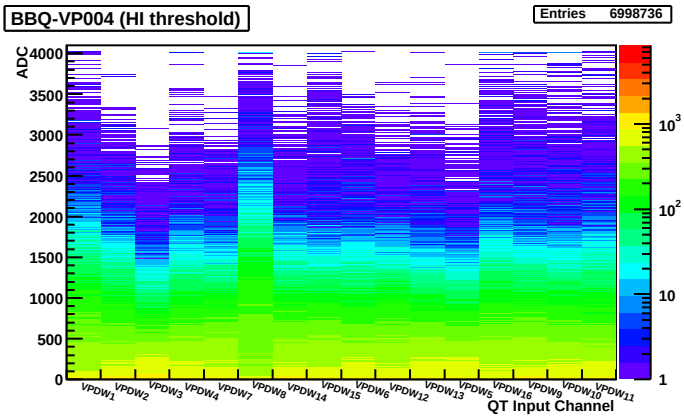

BBQ-VP001 (LO threshold)
Entries 6998736
TAC
QT Input Channel

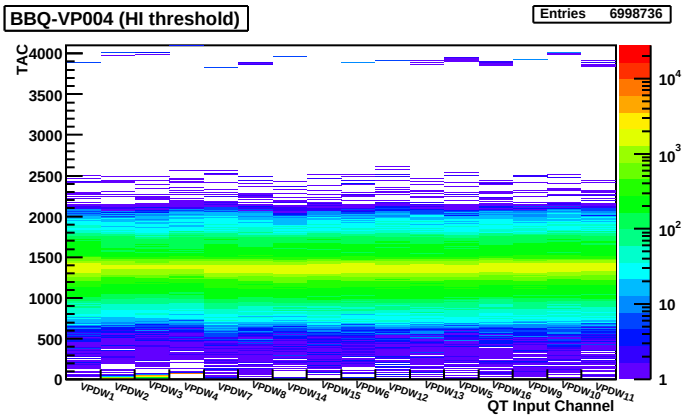

BBQ-VP002 (LO threshold)
Entries 6998736
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 6998736
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6998736
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6998736
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6998736
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6998736
TAC
QT Input Channel