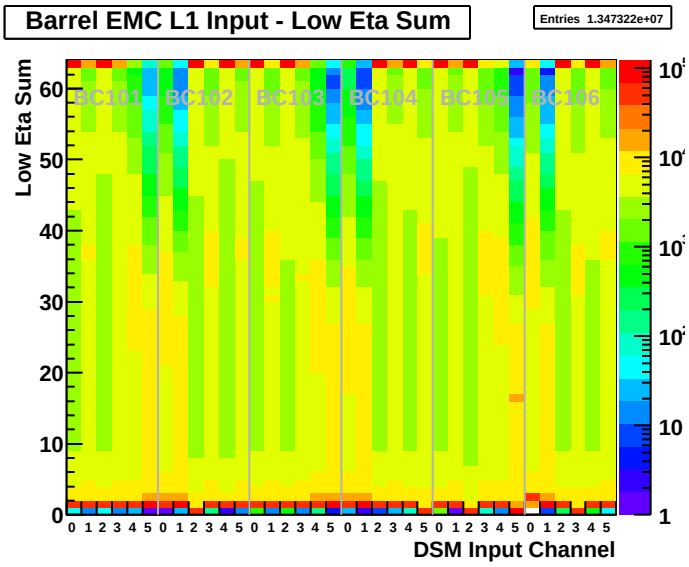
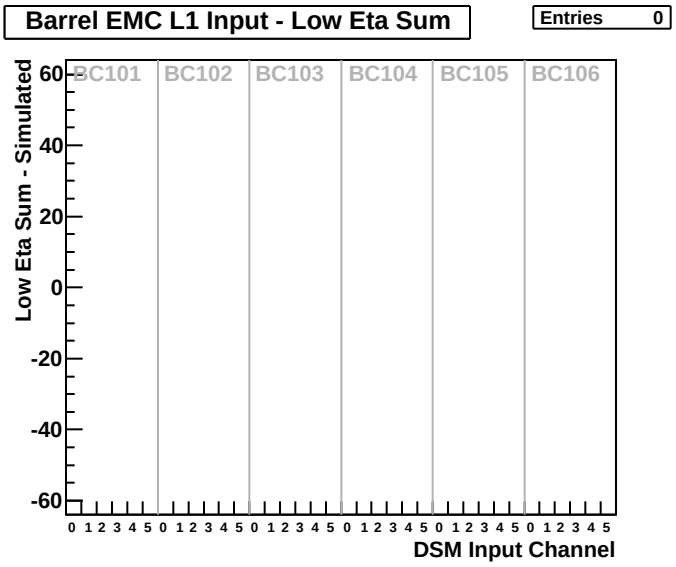
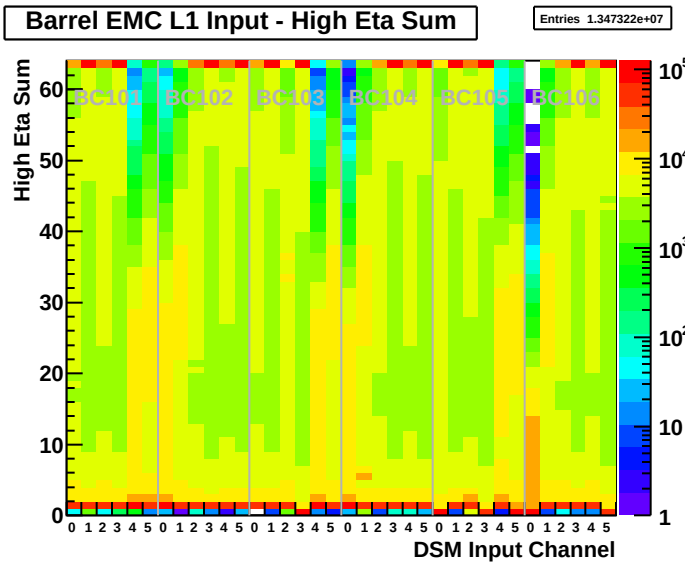
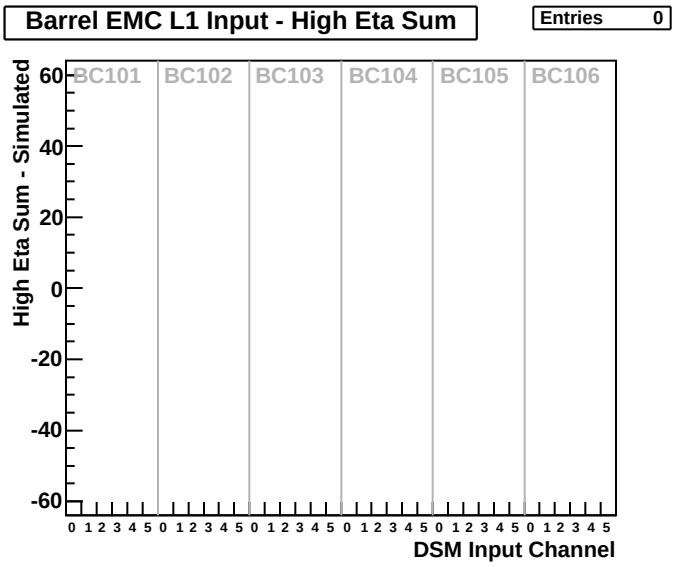
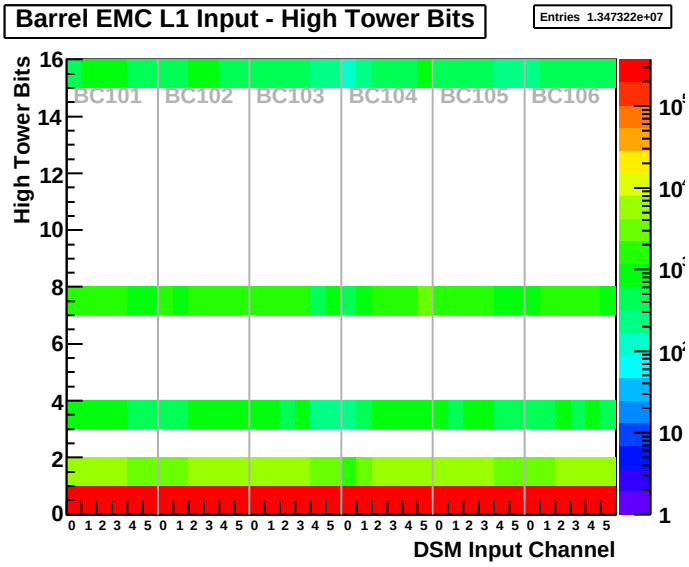
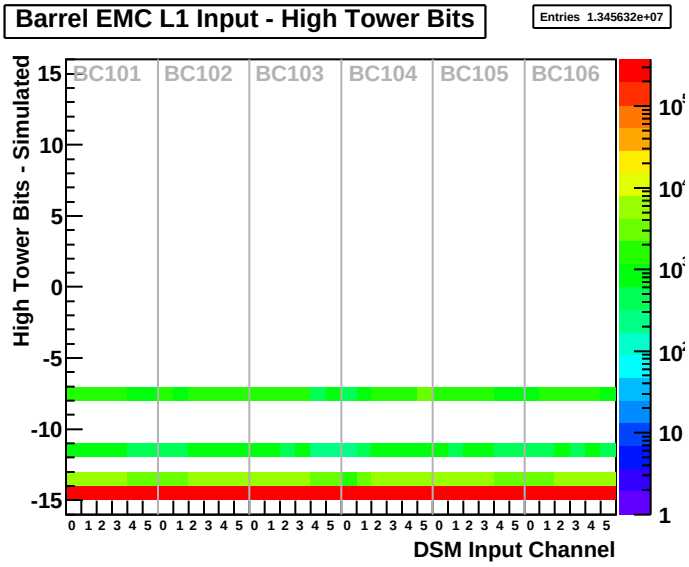

Barrel EMC L1 Input - Low Eta Sum
Entries 1.347322e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

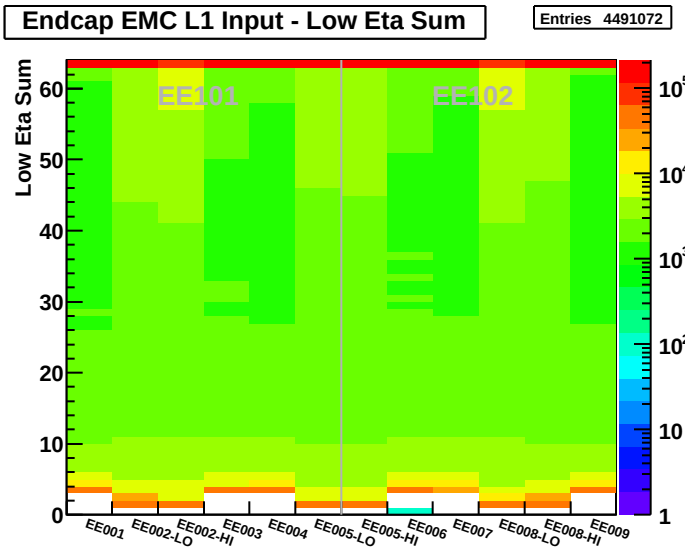

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

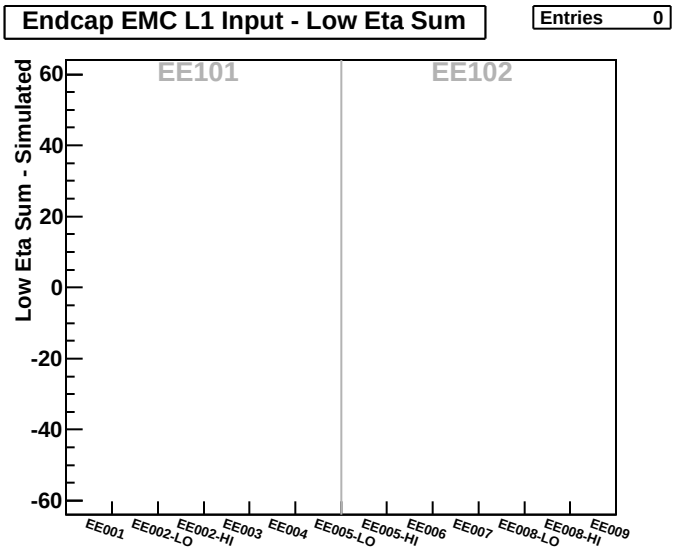

Barrel EMC L1 Input - High Eta Sum
Entries 1.347322e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

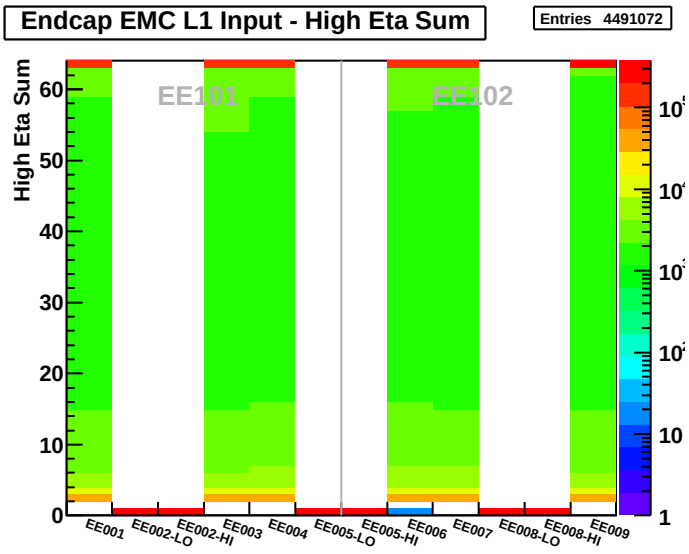

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

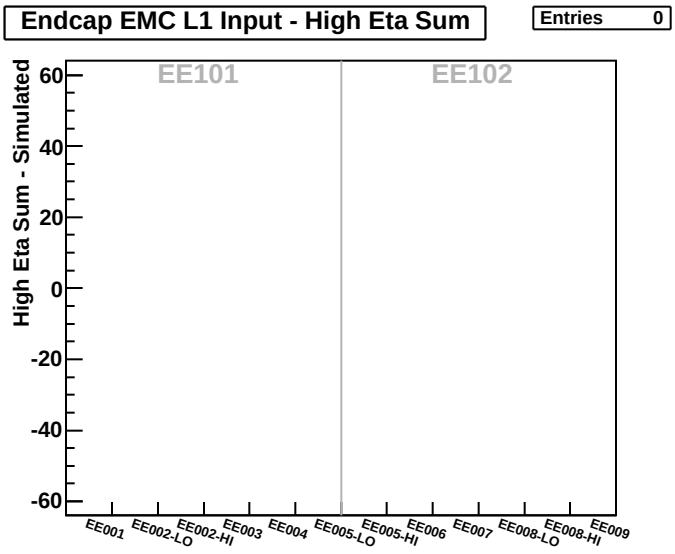

Barrel EMC L1 Input - High Tower Bits
Entries 1.347322e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

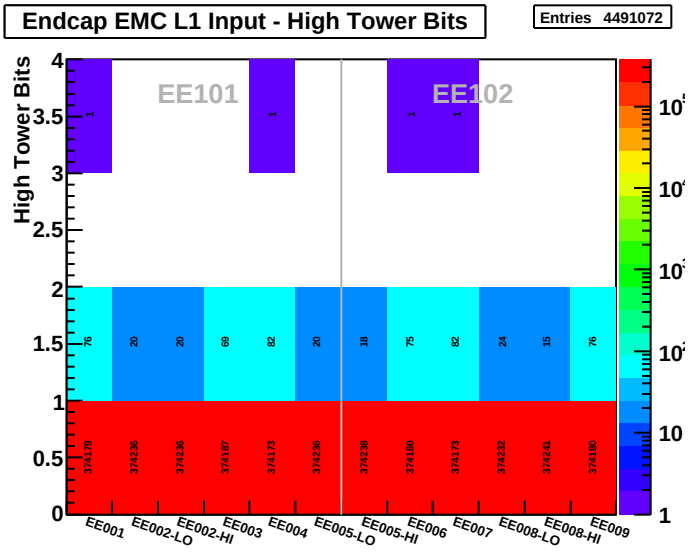

Barrel EMC L1 Input - High Tower Bits
Entries 1.345632e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

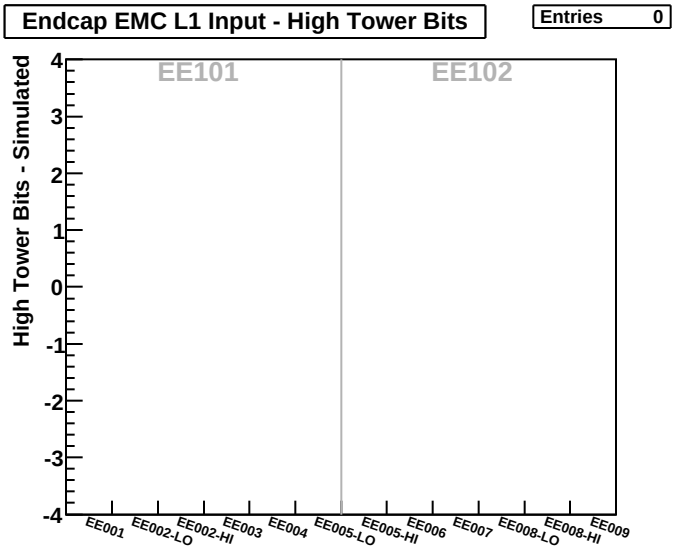

Endcap EMC L1 Input - Low Eta Sum
Entries 4491072
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

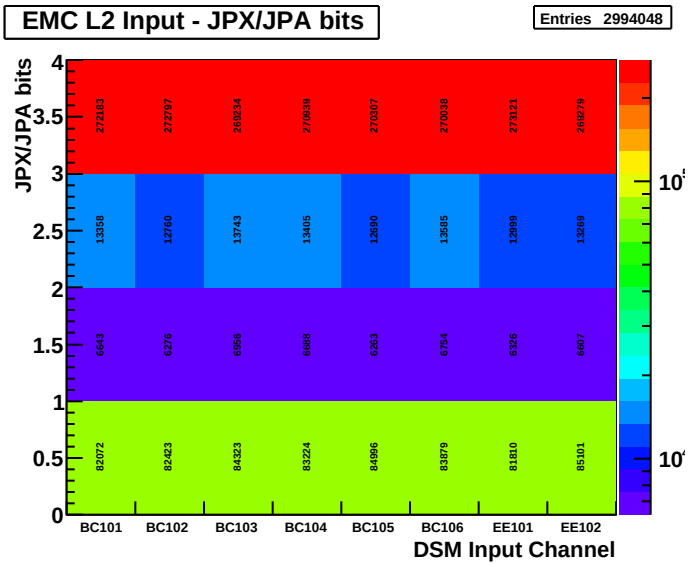

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

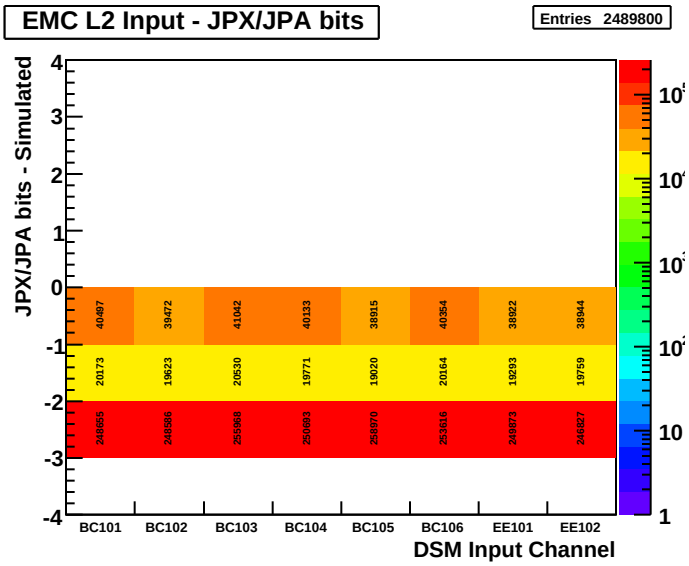

Endcap EMC L1 Input - High Eta Sum
Entries 4491072
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

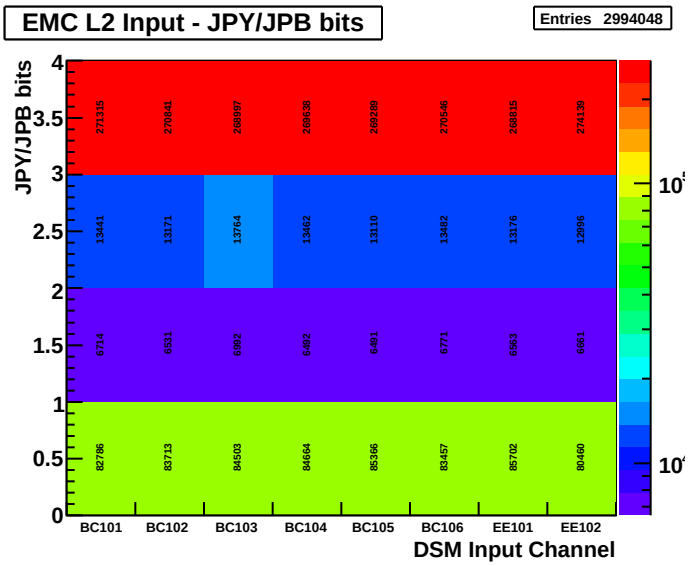

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

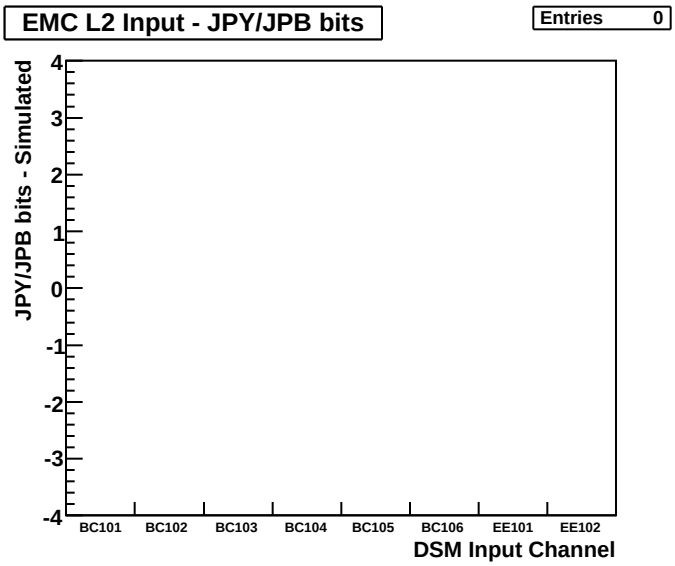

Endcap EMC L1 Input - High Tower Bits
Entries 4491072
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

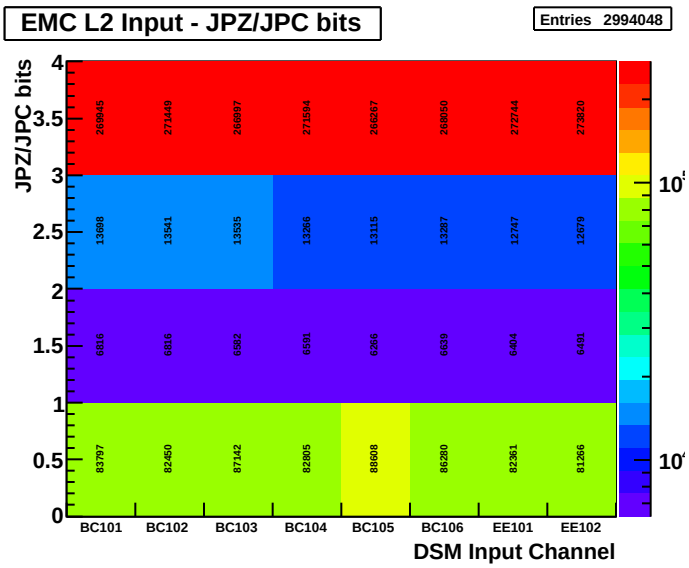

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

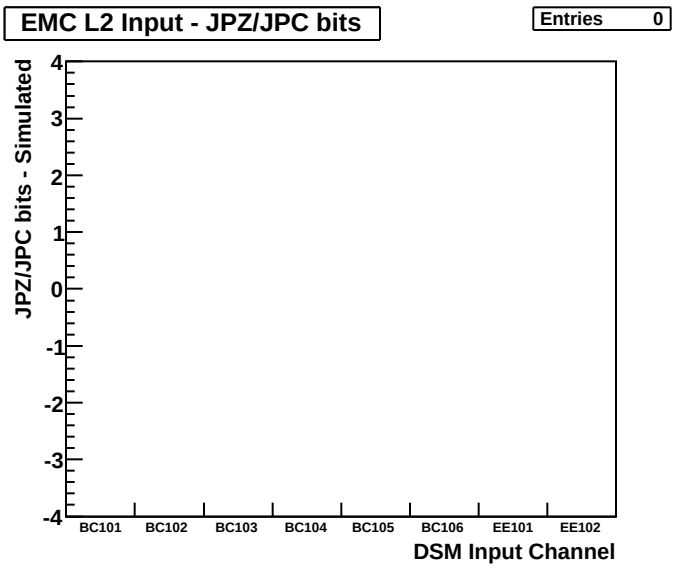

EMC L2 Input - JPX/JPA bits
Entries 2994048
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
272183 272797 269234 270039 270307 270038 273121 269279
13358 12760 13743 13405 12690 13585 12999 13269
6643 6276 6856 6688 6263 6754 6326 6607
82072 82423 84323 83224 84996 83879 81810 85101

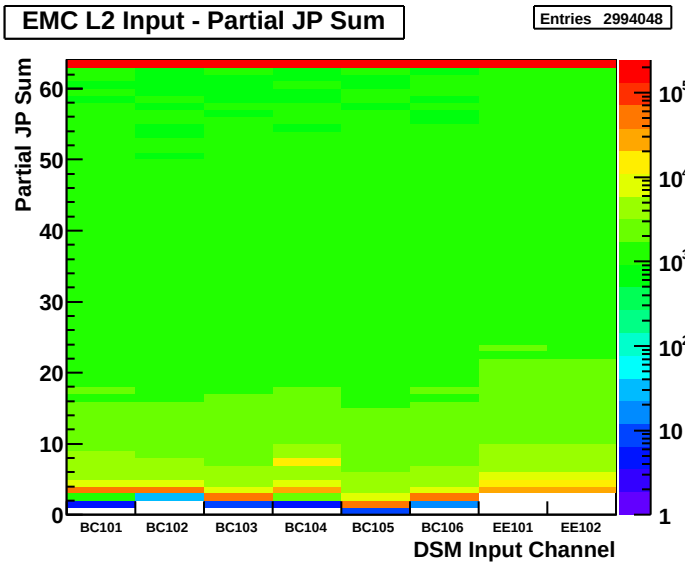

EMC L2 Input - JPX/JPA bits
Entries 2489800
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
40497 39472 41042 40133 38915 40354 38922 38944
20173 19623 20530 19771 19020 20164 19293 19759
248655 248586 255968 250693 258970 253616 249873 246827

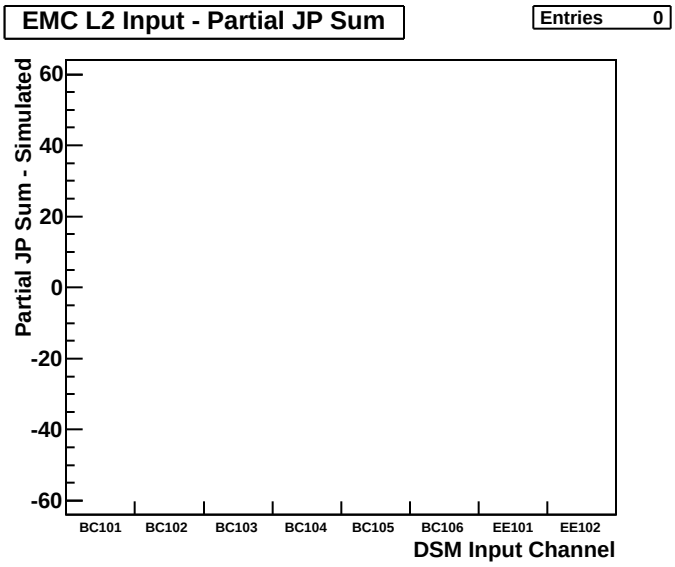

EMC L2 Input - JPY/JPB bits
Entries 2994048
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
271315 270841 268987 269638 269289 270546 268815 274139
13441 13171 13764 13462 13110 13482 13176 12996
6714 6531 6922 6692 6491 6771 6553 6661
82786 83713 84503 84664 85366 83457 85702 80460

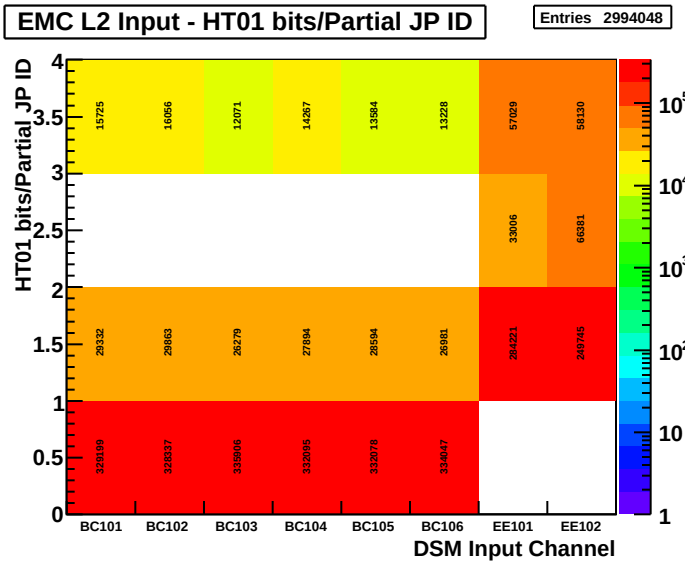

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

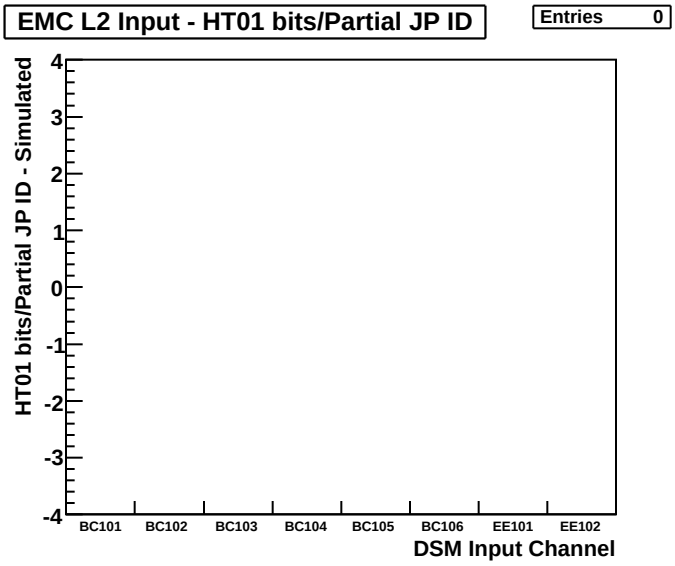

EMC L2 Input - JPZ/JPC bits
Entries 2994048
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
269945 271449 268997 271594 269267 269050 272744 273820
13698 13541 13535 13266 13115 13287 12747 12679
6816 6816 6582 6591 6266 6639 6404 6491
83797 82450 87142 82805 88608 86280 82361 81266

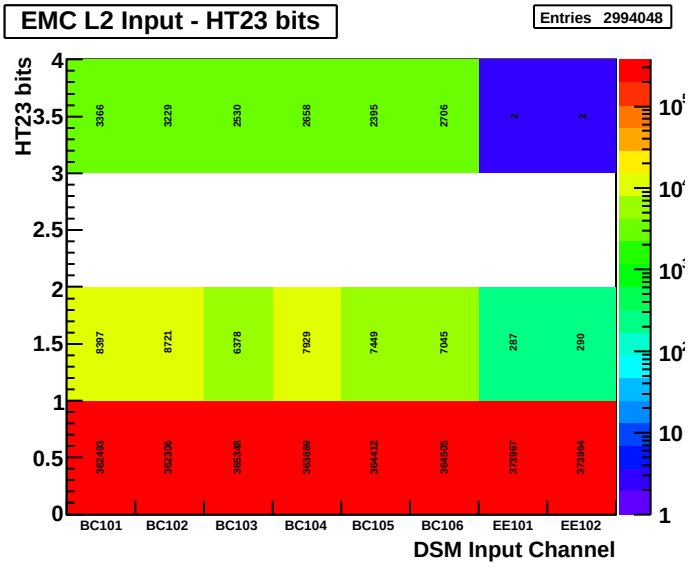

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

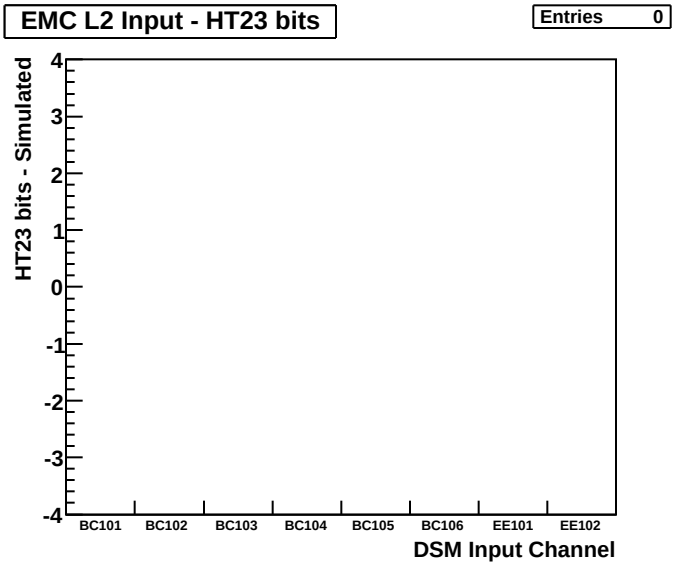

EMC L2 Input - Partial JP Sum
Entries 2994048
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

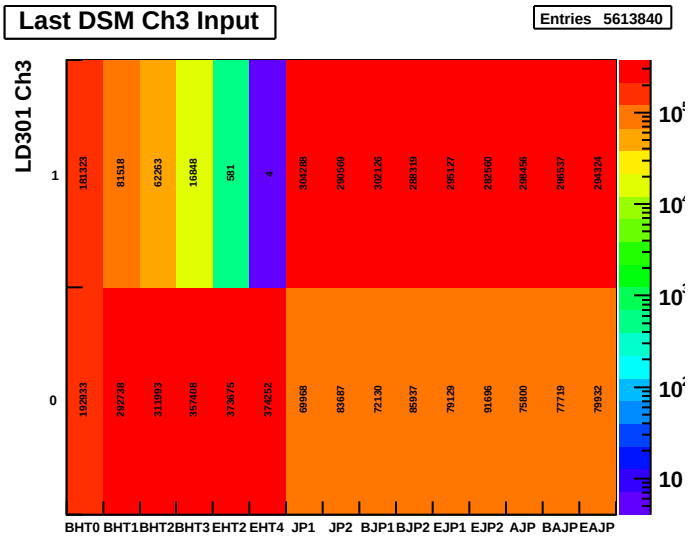

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

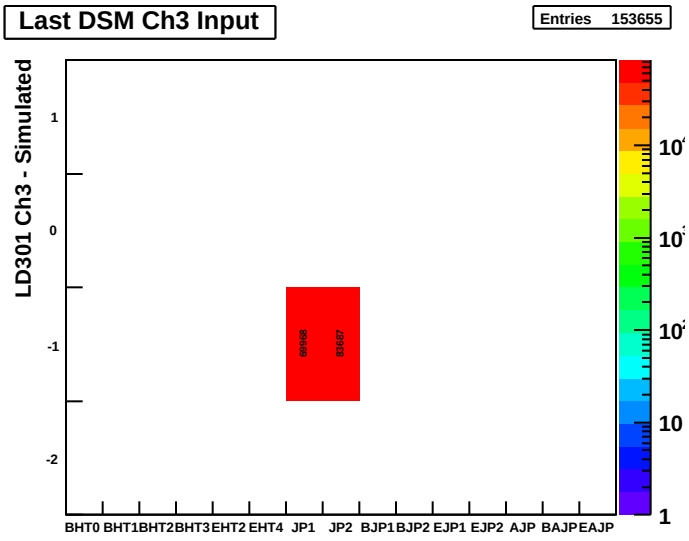

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2994048
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

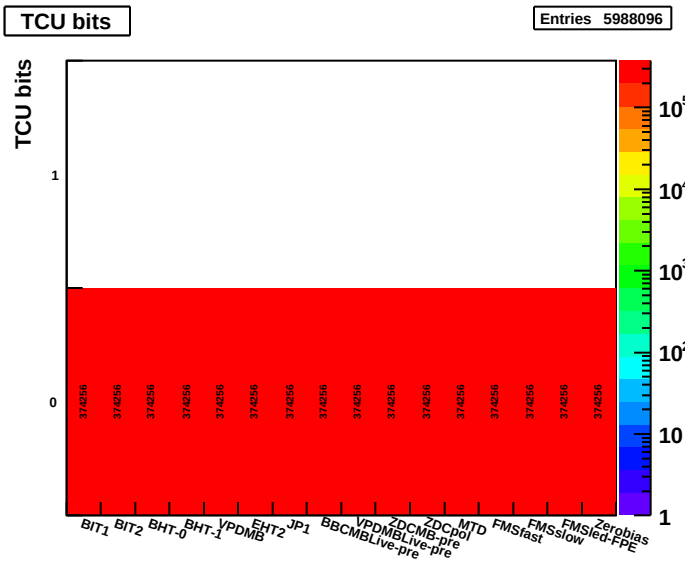

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

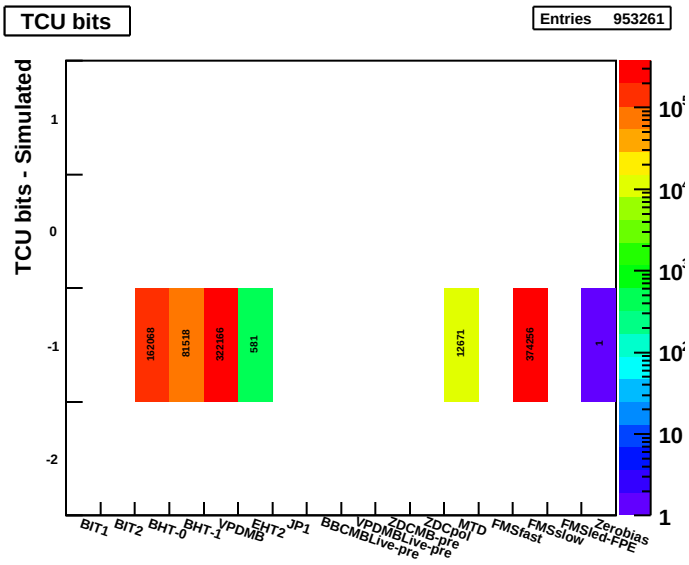

EMC L2 Input - HT23 bits
Entries 2994048
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

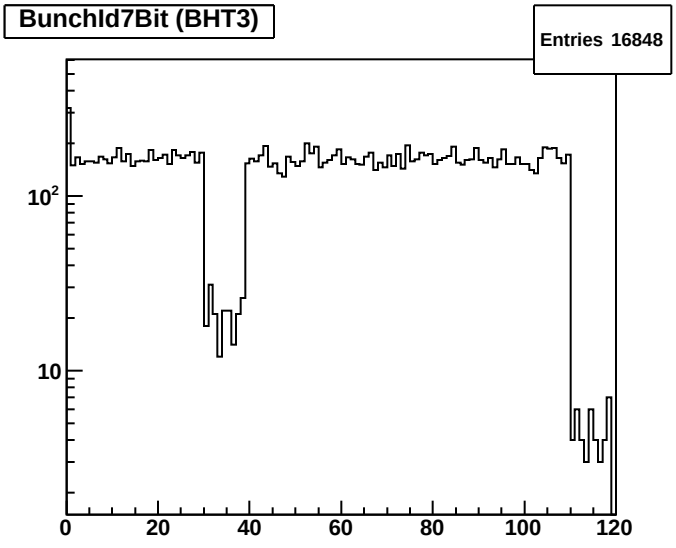

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

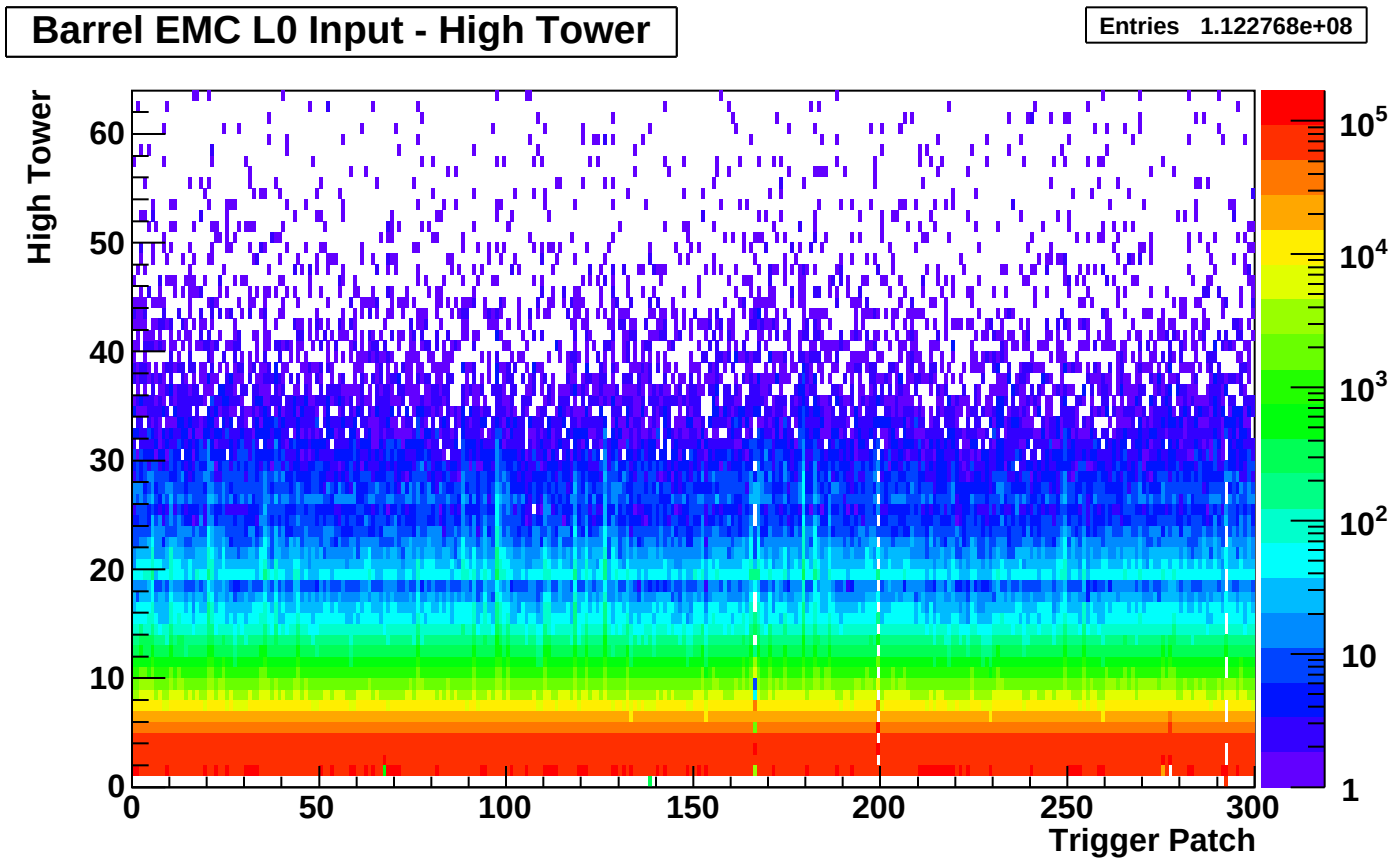

Last DSM Ch3 Input
Entries 5613840
LD301 Ch3
1
0
181323
81518
62253
16848
581
4
304288
290569
302126
288319
295127
292560
298456
296537
294324
192933
292738
311993
357408
373675
374252
69968
83687
72130
85937
79129
91696
75800
77719
79932
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

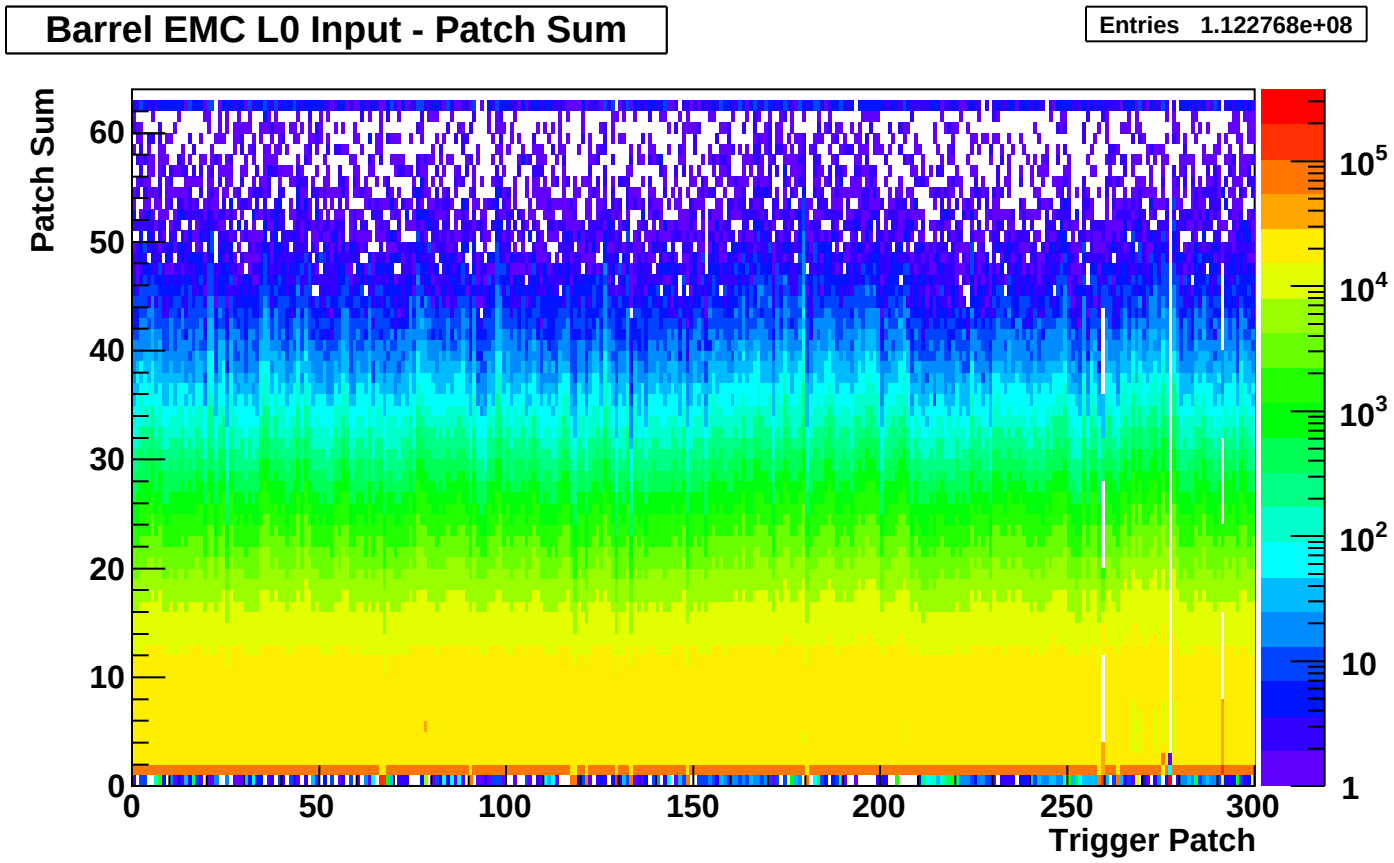

Last DSM Ch3 Input
Entries 153655
LD301 Ch3 - Simulated
1
0
-1
-2
69968
83687
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

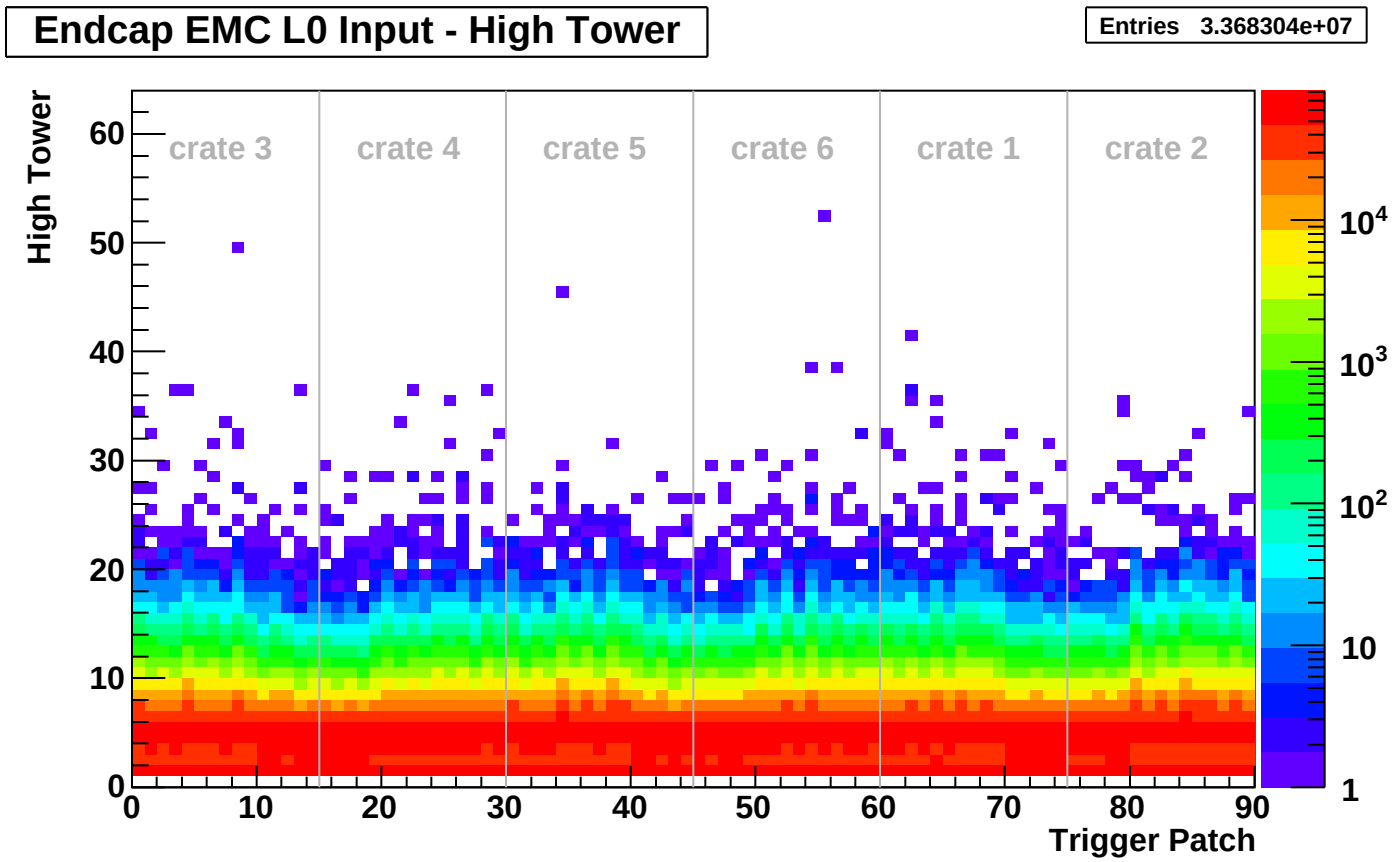

TCU bits
Entries 5988096
TCU bits
1
0
374256
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

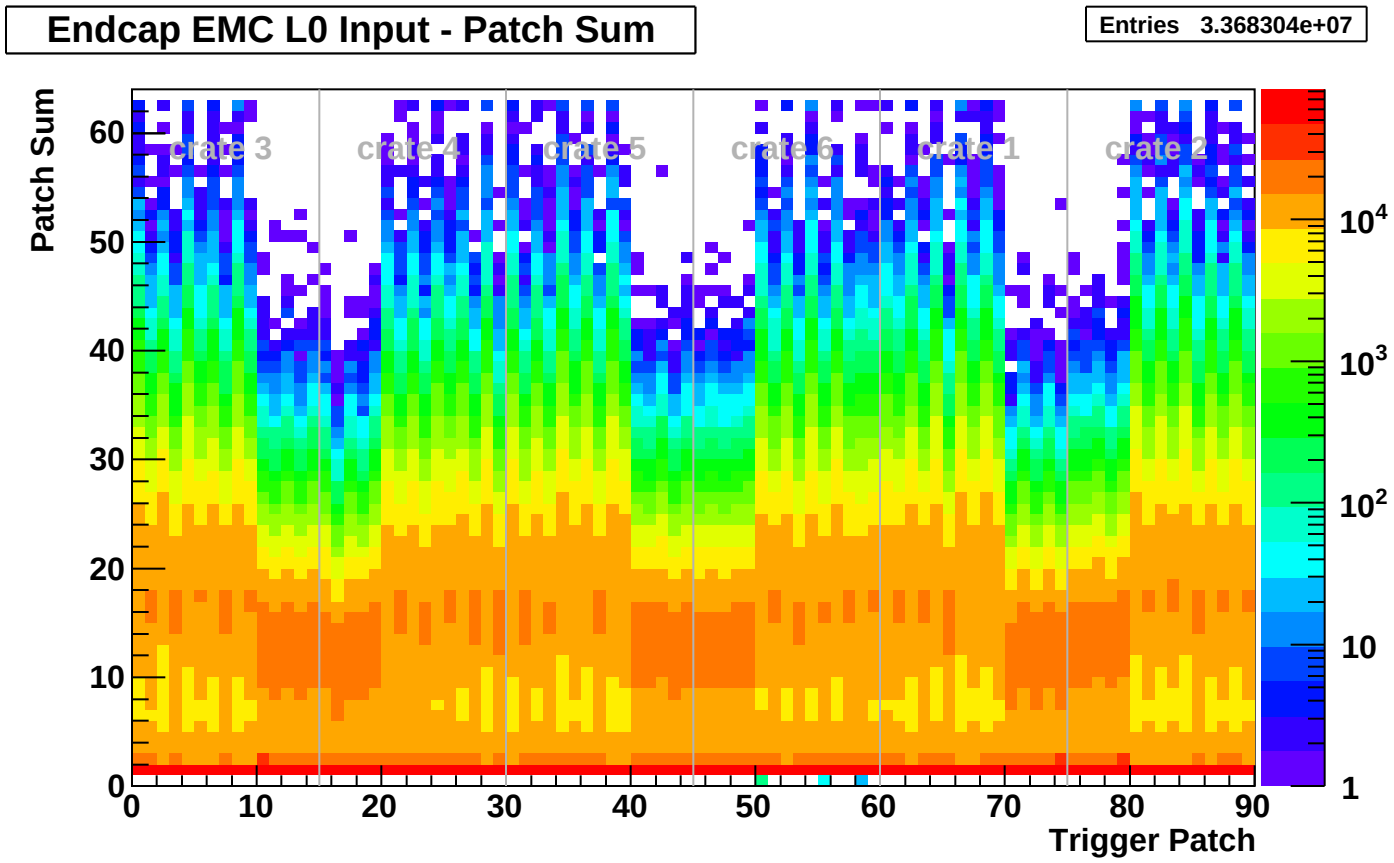

TCU bits
Entries 953261
TCU bits - Simulated
1
0
-1
-2
162068
81518
322166
581
12671
374256
1
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

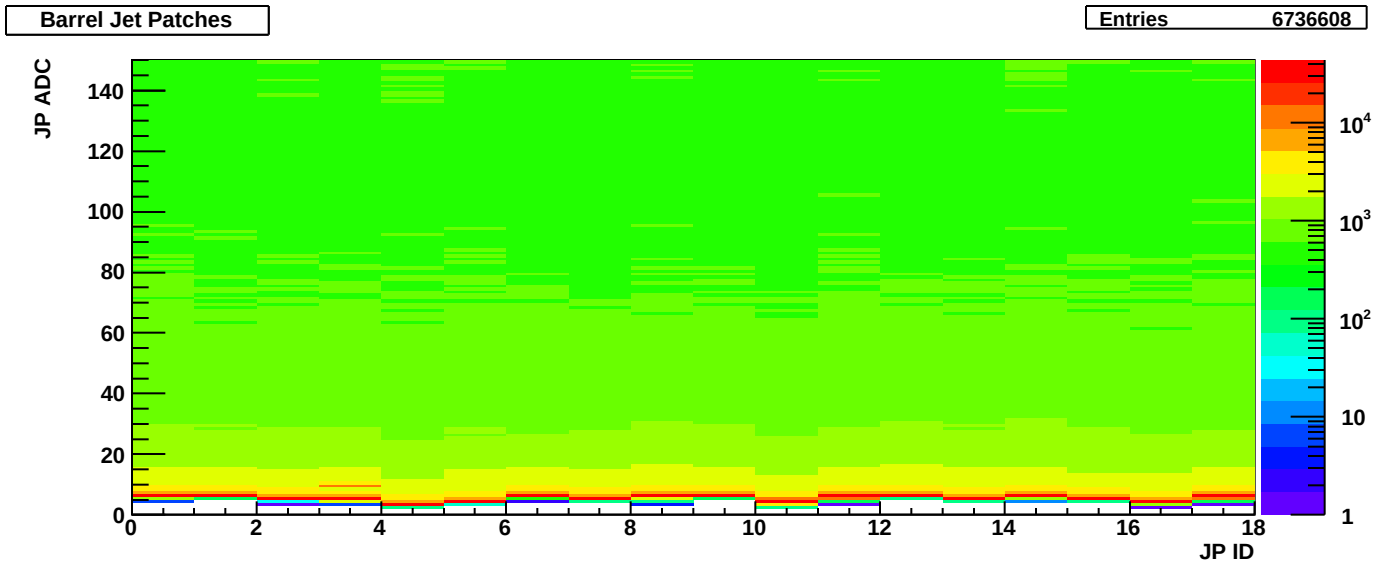

BunchId7Bit (BHT3)
Entries 16848
10²
10
0
20
40
60
80
100
120

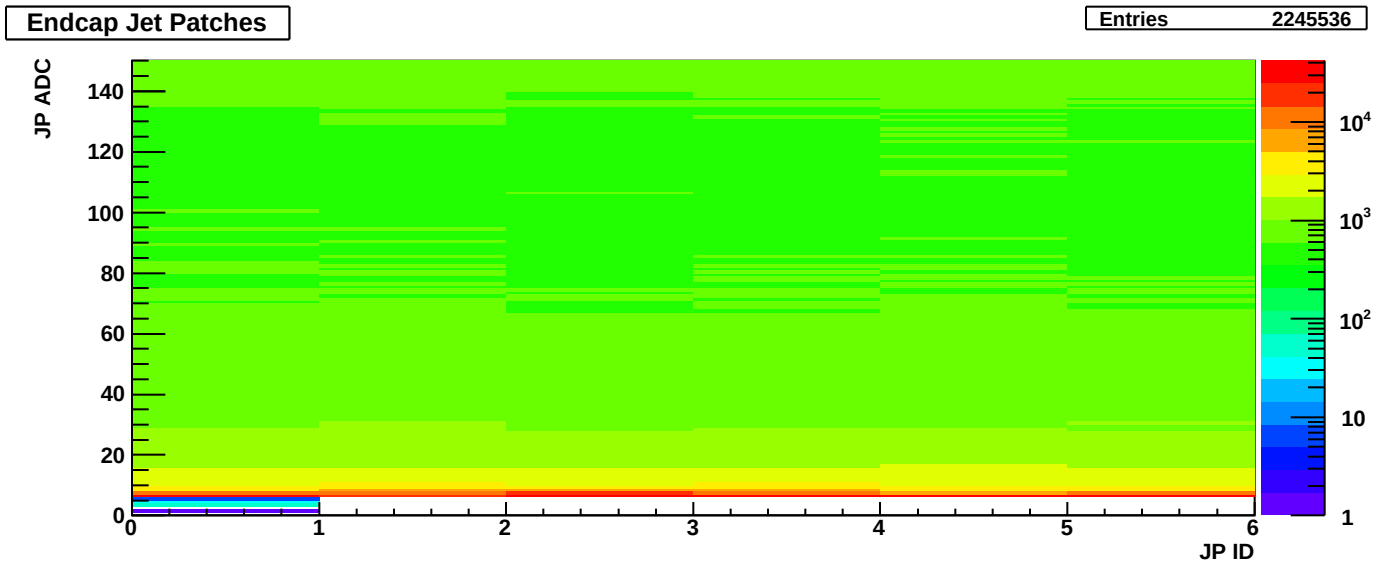

Barrel EMC L0 Input - High Tower
Entries 1.122768e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

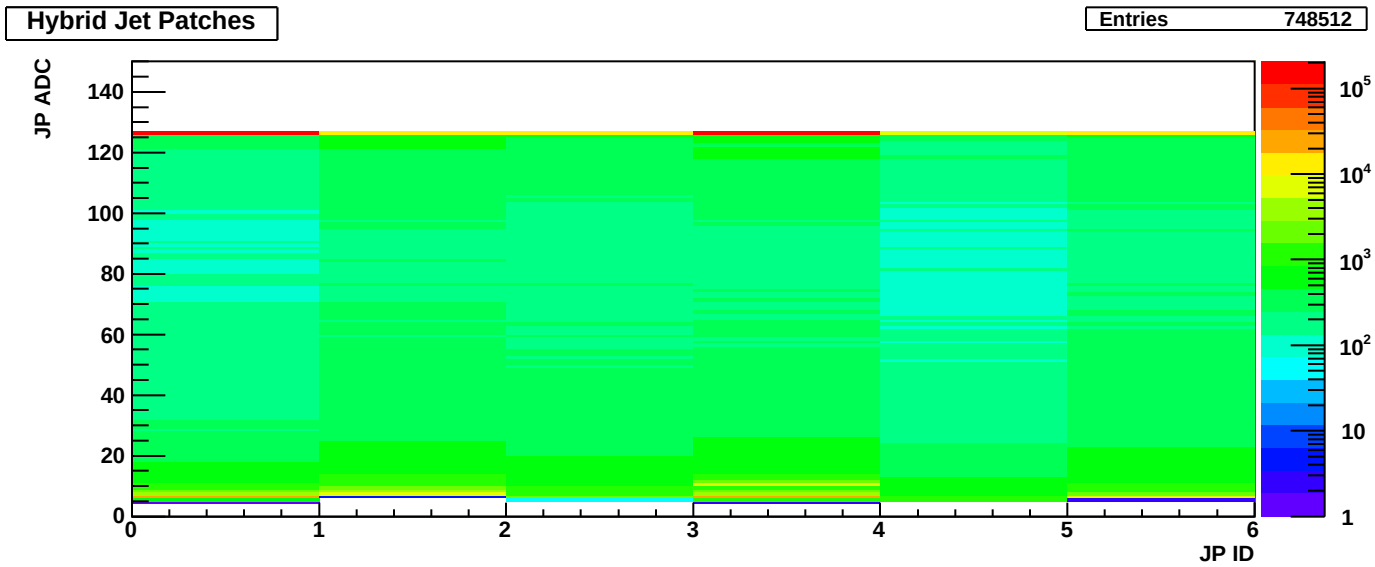

Barrel EMC L0 Input - Patch Sum
Entries 1.122768e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

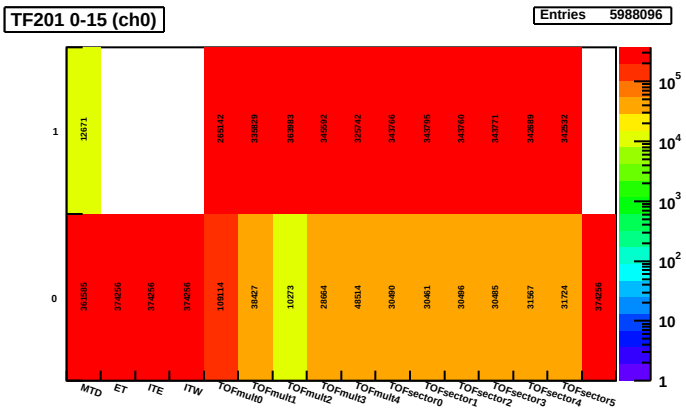

Endcap EMC L0 Input - High Tower
Entries 3.368304e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

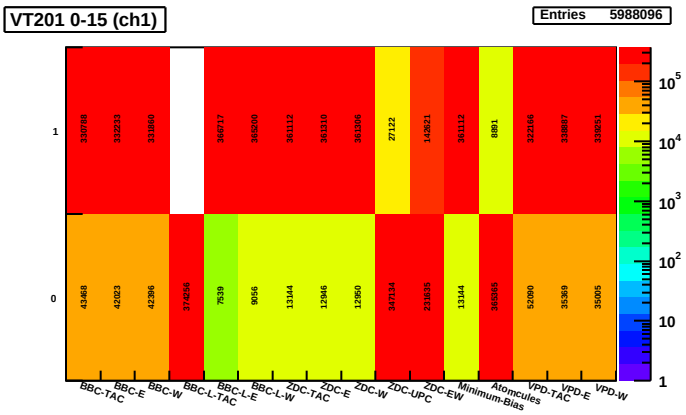

Endcap EMC L0 Input - Patch Sum
Entries 3.368304e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

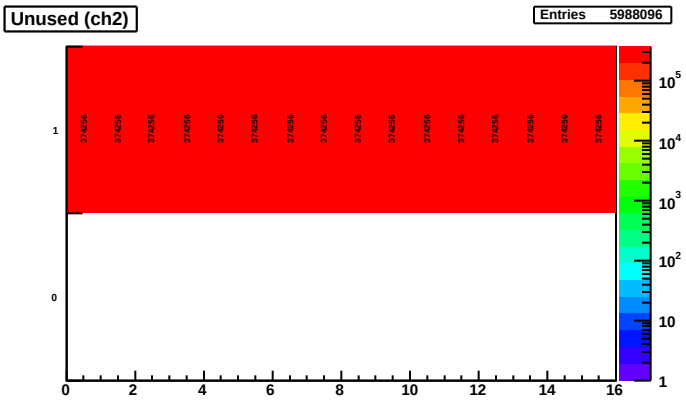

Barrel Jet Patches
Entries 6736608
JP ADC
JP ID

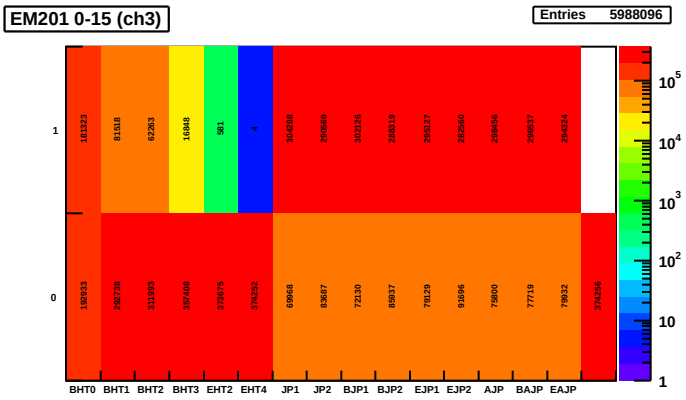

Endcap Jet Patches
Entries 2245536
JP ADC
JP ID

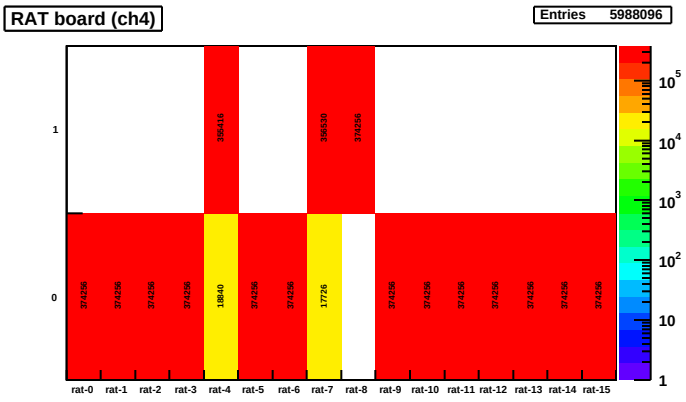

Hybrid Jet Patches
Entries 748512
JP ADC
JP ID

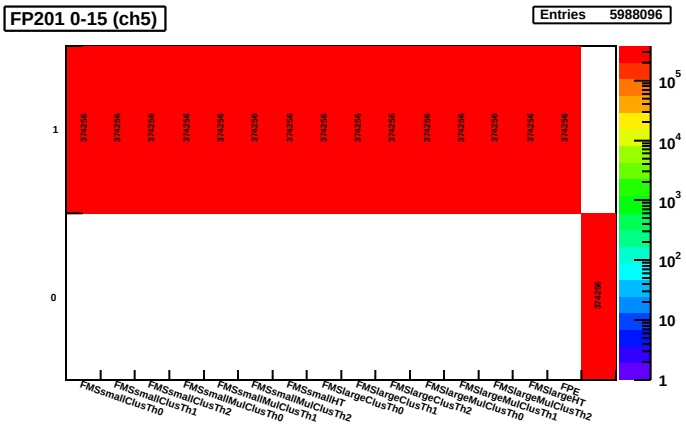

TF201 0-15 (ch0)
Entries 5988096
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

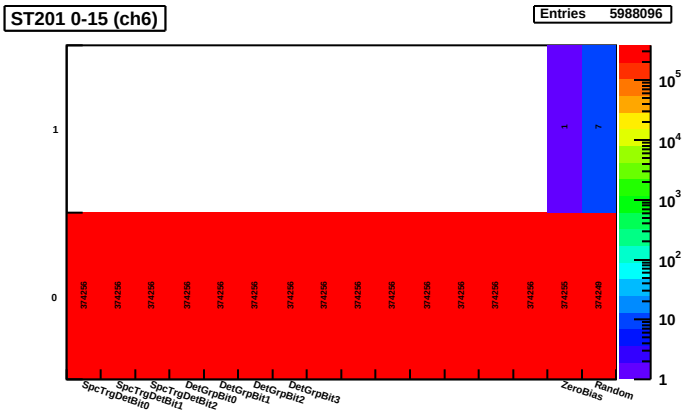

VT201 0-15 (ch1)
Entries 5988096
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

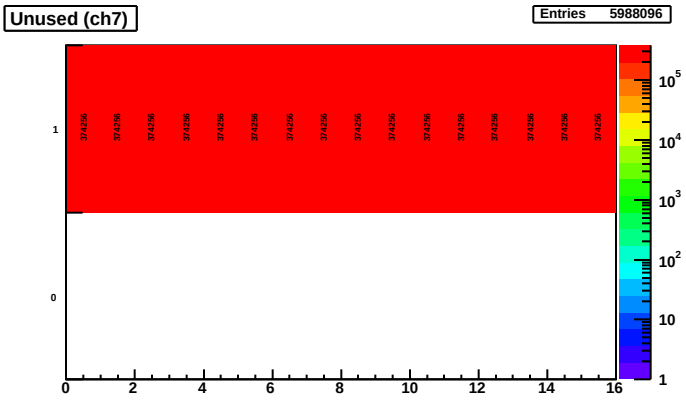

Unused (ch2)
Entries 5988096

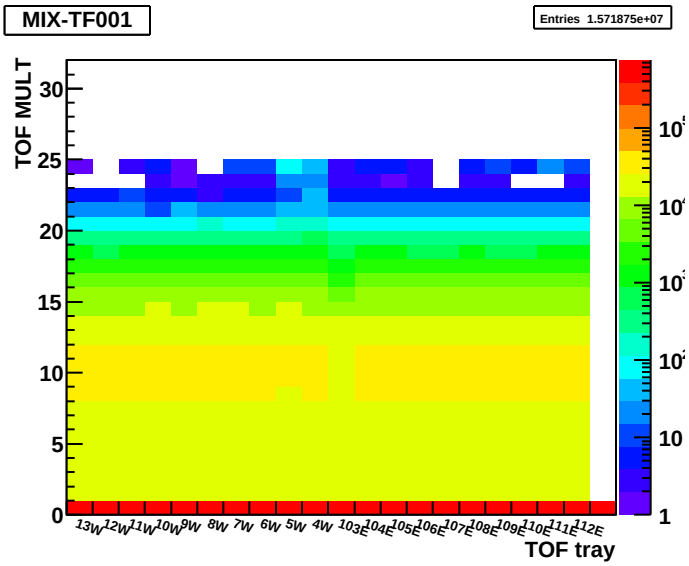

EM201 0-15 (ch3)
Entries 5988096
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

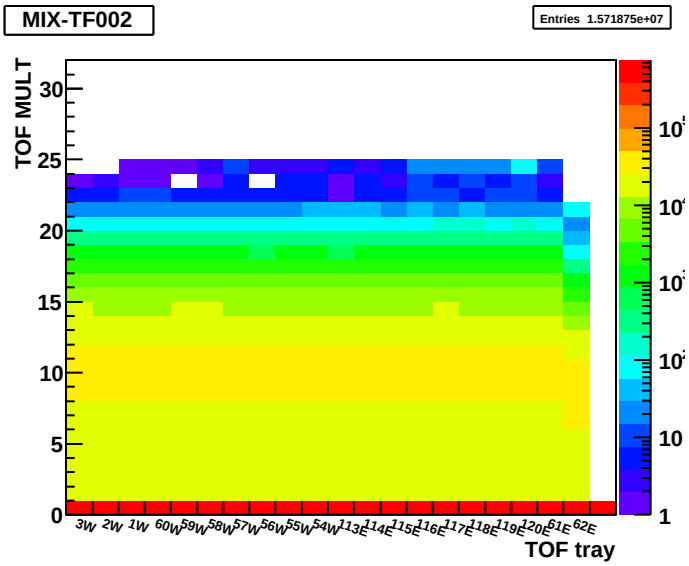

RAT board (ch4)
Entries 5988096
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

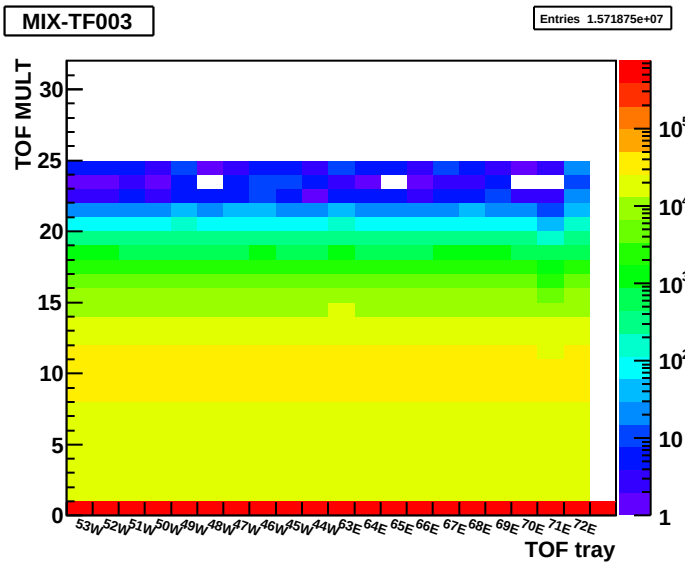

FP201 0-15 (ch5)
Entries 5988096
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

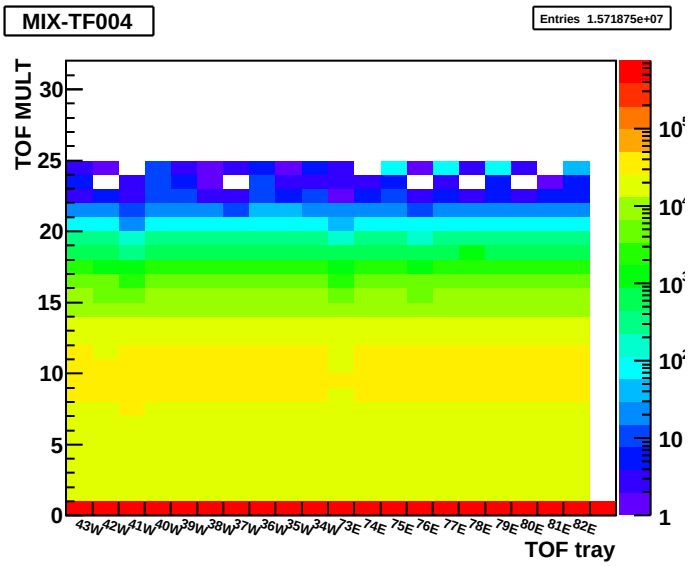

ST201 0-15 (ch6)
Entries 5988096
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

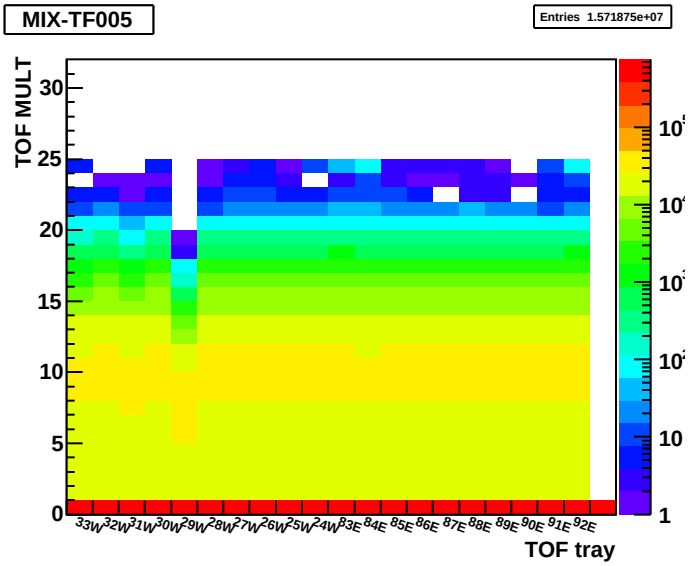

Unused (ch7)
Entries 5988096

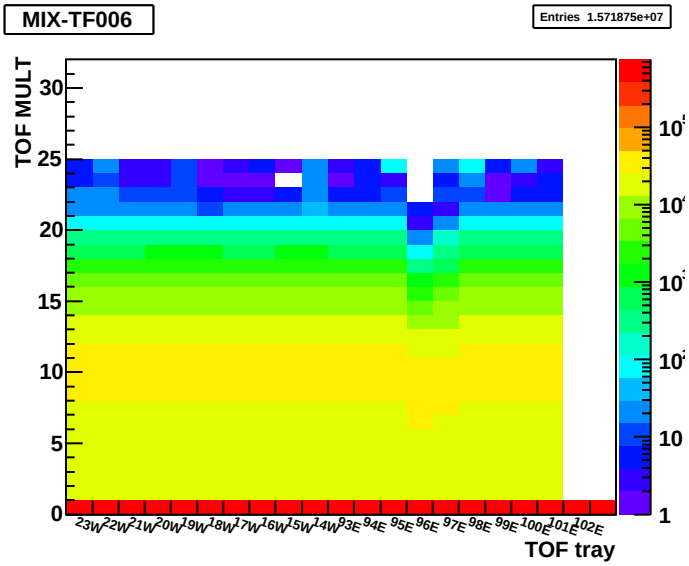

MIX-TF001
Entries 1.571875e+07
TOF MULT
TOF tray

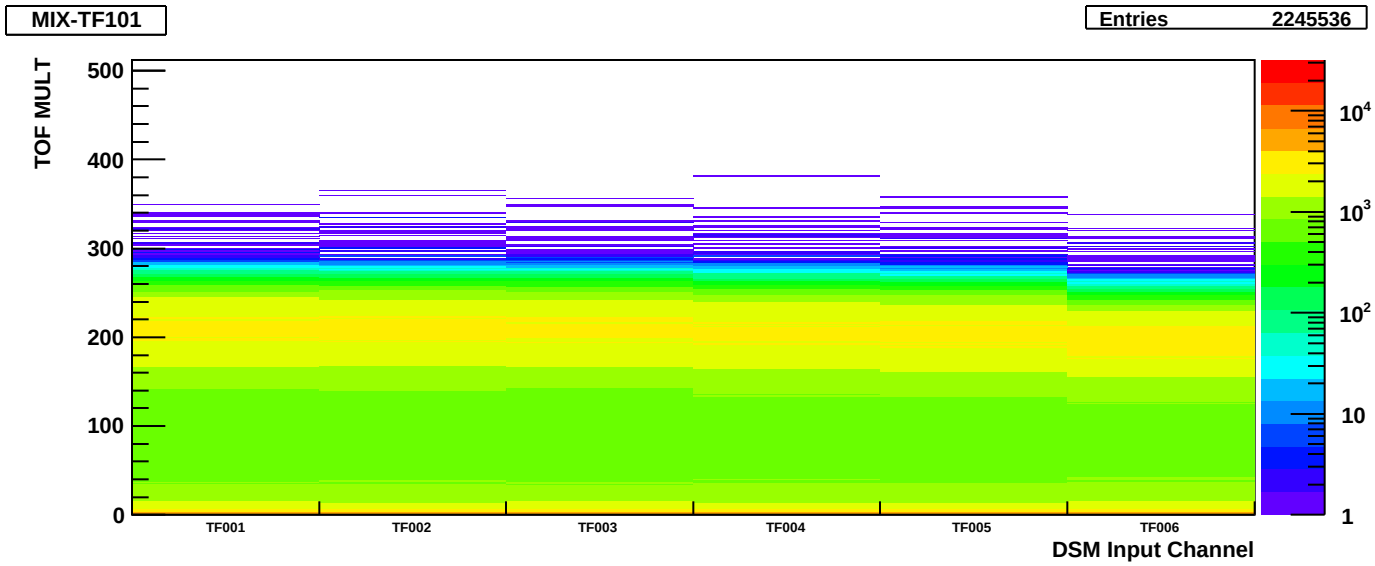

MIX-TF002
Entries 1.571875e+07
TOF MULT
TOF tray

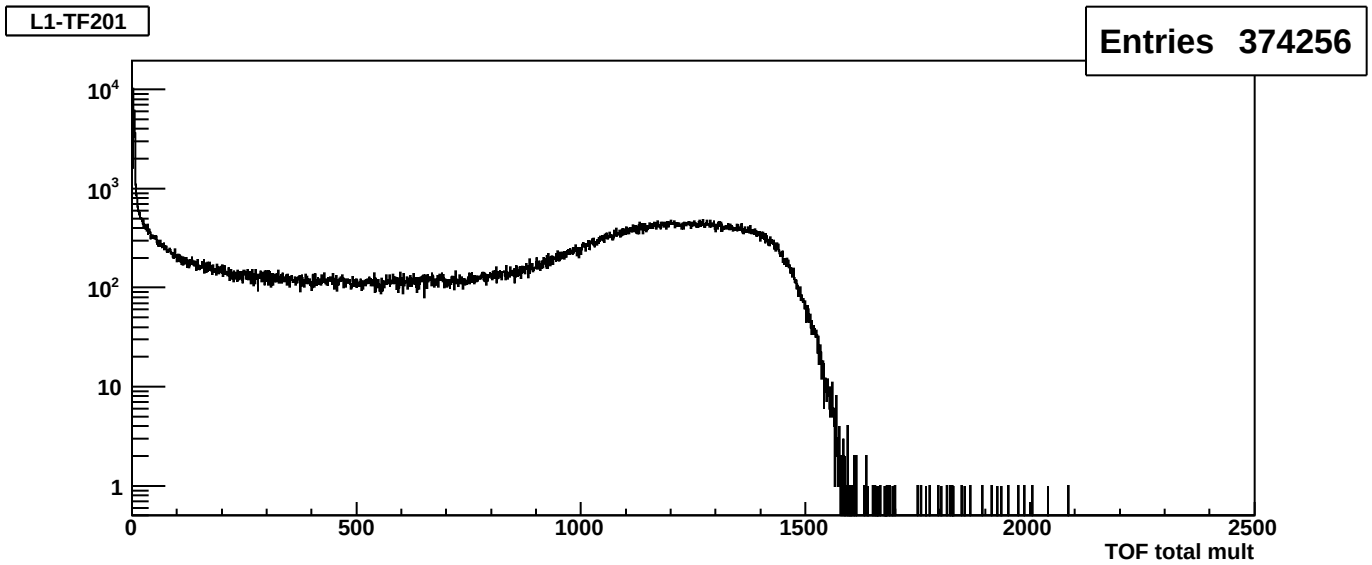

MIX-TF003
Entries 1.571875e+07
TOF MULT
TOF tray

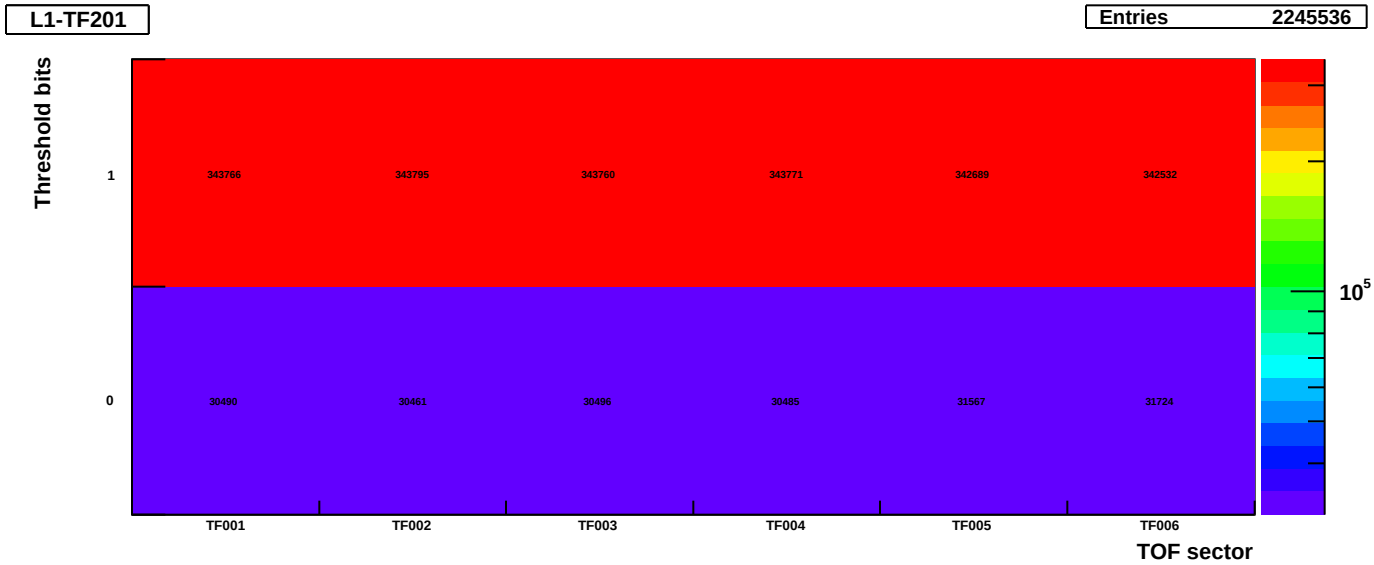

MIX-TF004
Entries 1.571875e+07
TOF MULT
TOF tray

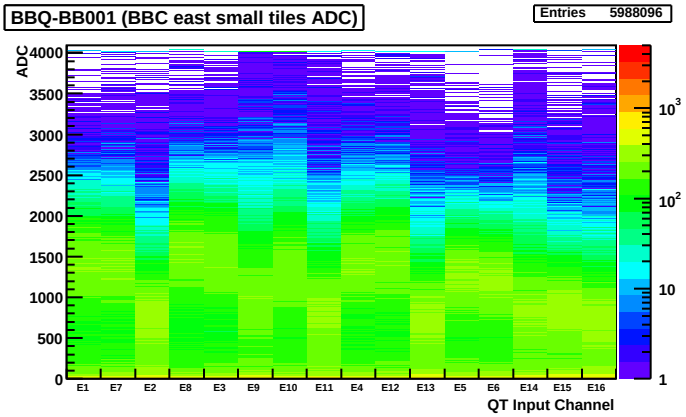

MIX-TF005
Entries 1.571875e+07
TOF MULT
TOF tray

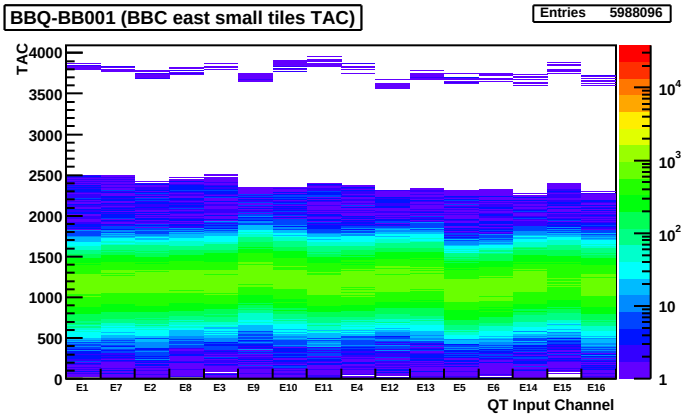

MIX-TF006
Entries 1.571875e+07
TOF MULT
TOF tray

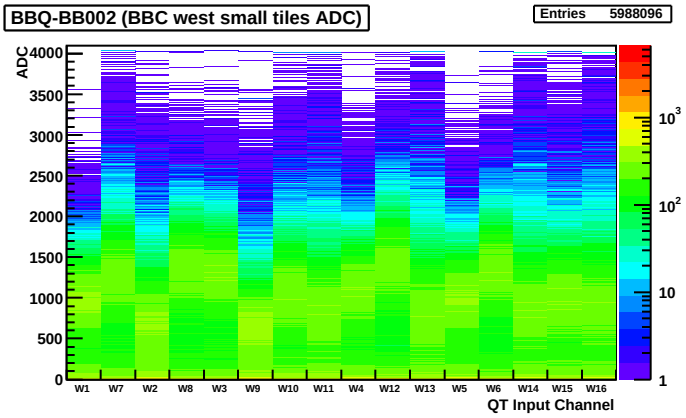

MIX-TF101
Entries 2245536
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

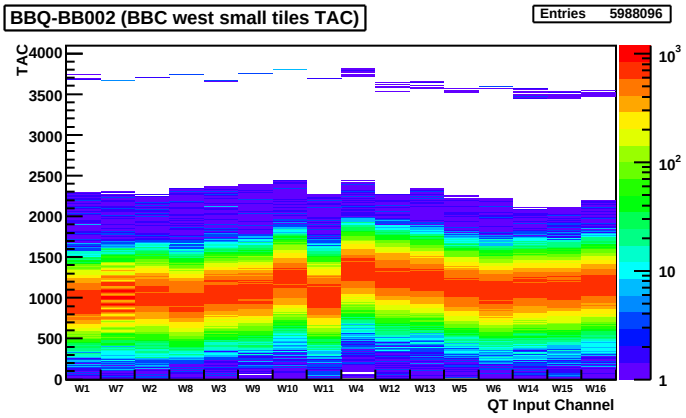

L1-TF201
Entries 374256
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

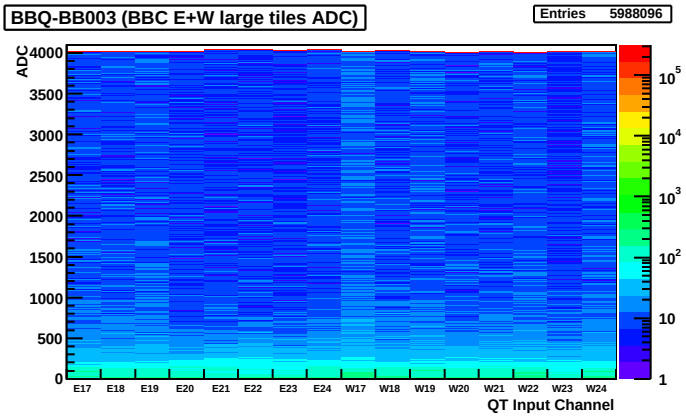

L1-TF201
Entries 2245536
Threshold bits
1
0
343766
343795
343760
343771
342689
342532
30490
30461
30496
30485
31567
31724
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

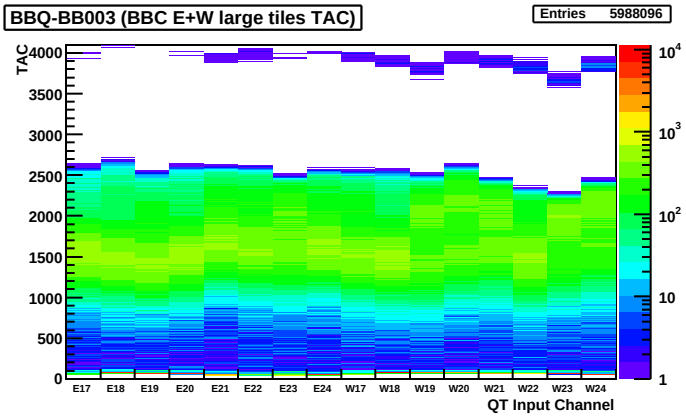

BBQ-BB001 (BBC east small tiles ADC)
Entries 5988096
ADC
QT Input Channel

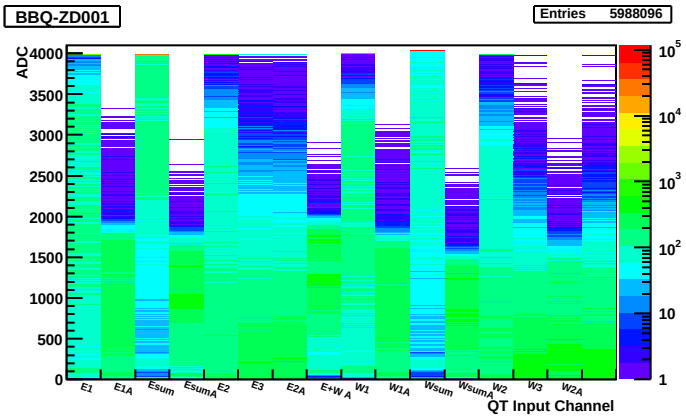

BBQ-BB001 (BBC east small tiles TAC)
Entries 5988096
TAC
QT Input Channel

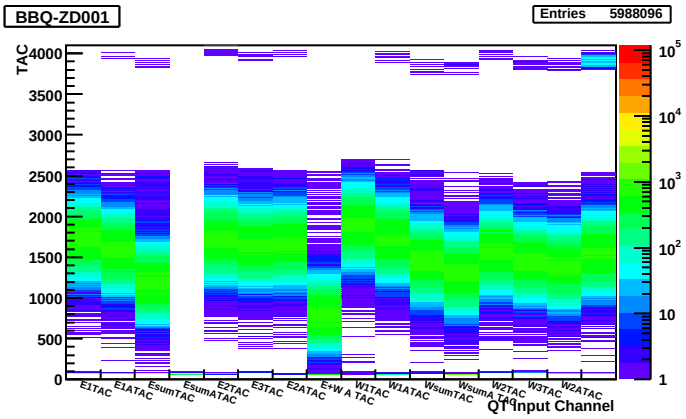

BBQ-BB002 (BBC west small tiles ADC)
Entries 5988096
ADC
QT Input Channel

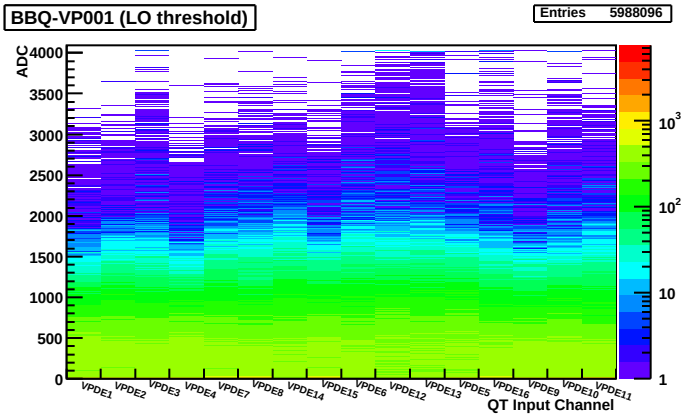

BBQ-BB002 (BBC west small tiles TAC)
Entries 5988096
TAC
QT Input Channel

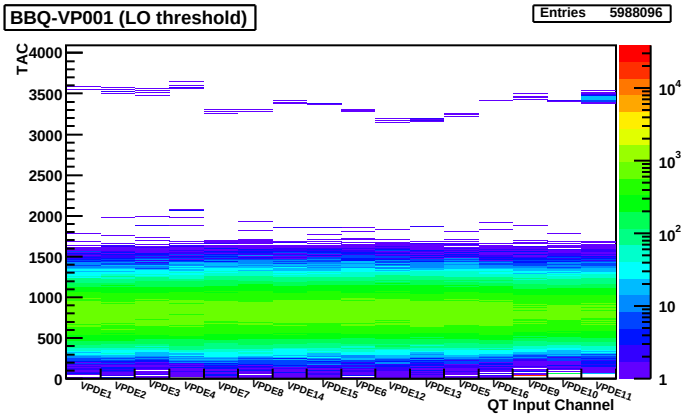

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5988096
ADC
QT Input Channel

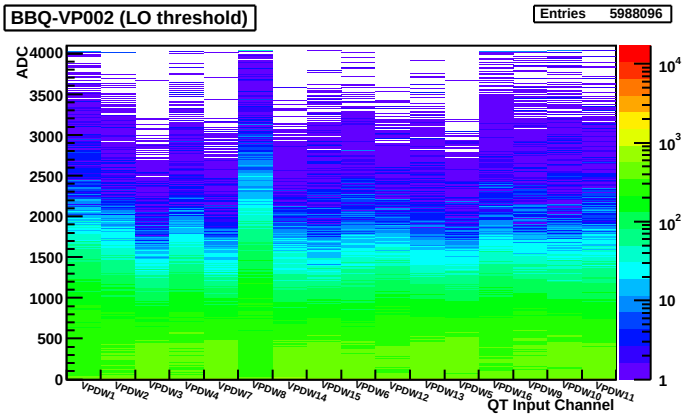

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5988096
TAC
QT Input Channel

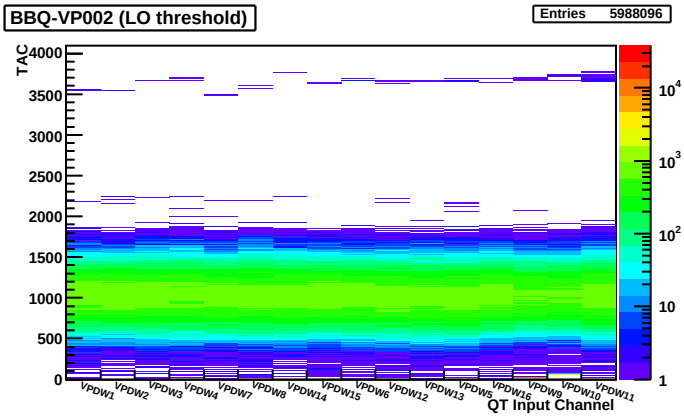

BBQ-ZD001
Entries 5988096
ADC
QT Input Channel

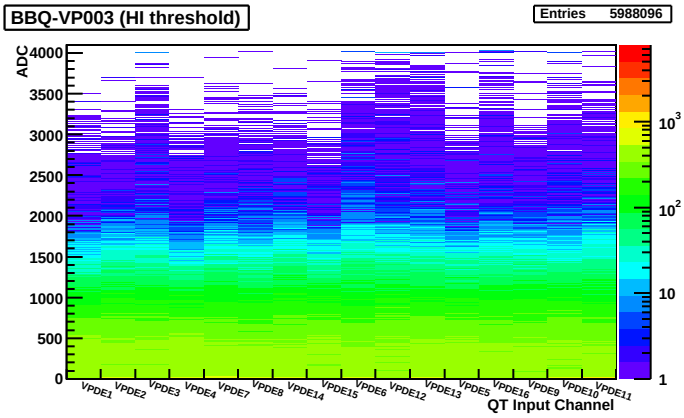

BBQ-ZD001
Entries 5988096
TAC
QT Input Channel

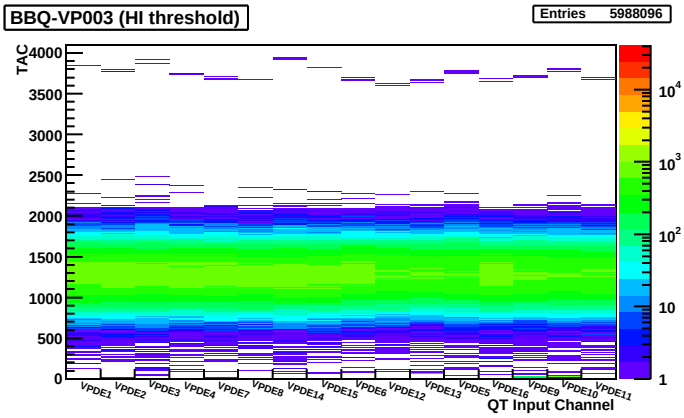

BBQ-VP001 (LO threshold)
Entries 5988096
ADC
QT Input Channel

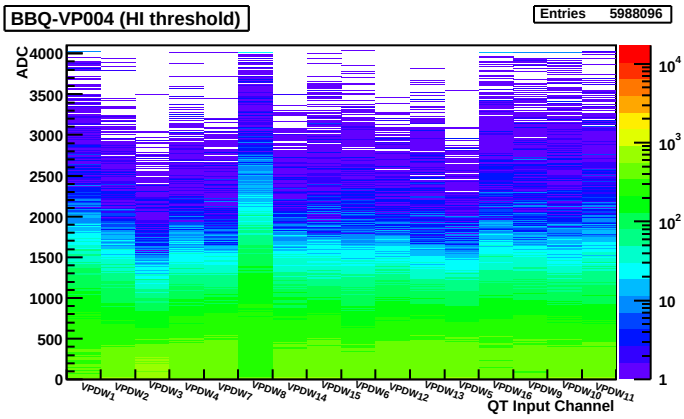

BBQ-VP001 (LO threshold)
Entries 5988096
TAC
QT Input Channel

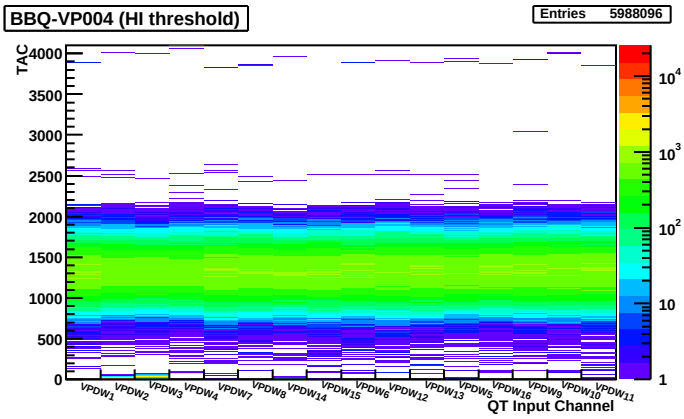

BBQ-VP002 (LO threshold)
Entries 5988096
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 5988096
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5988096
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5988096
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5988096
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5988096
TAC
QT Input Channel