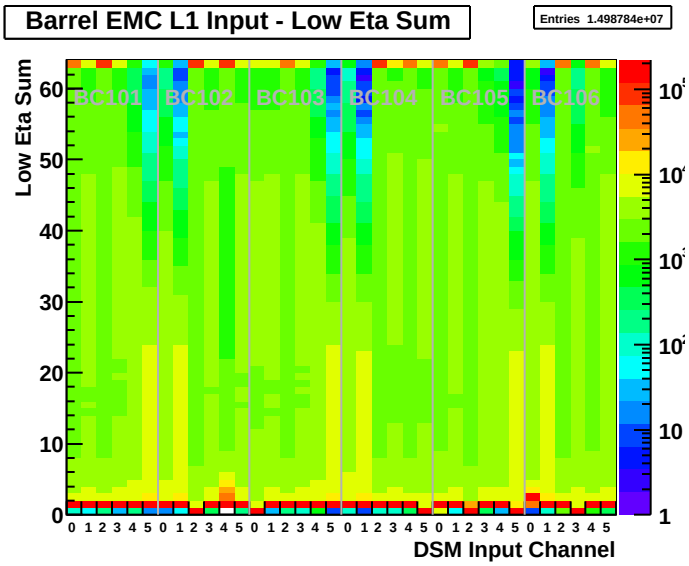
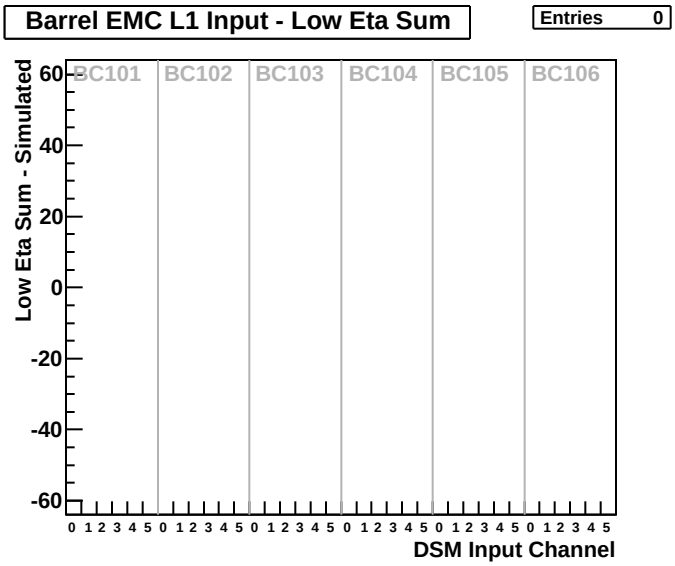
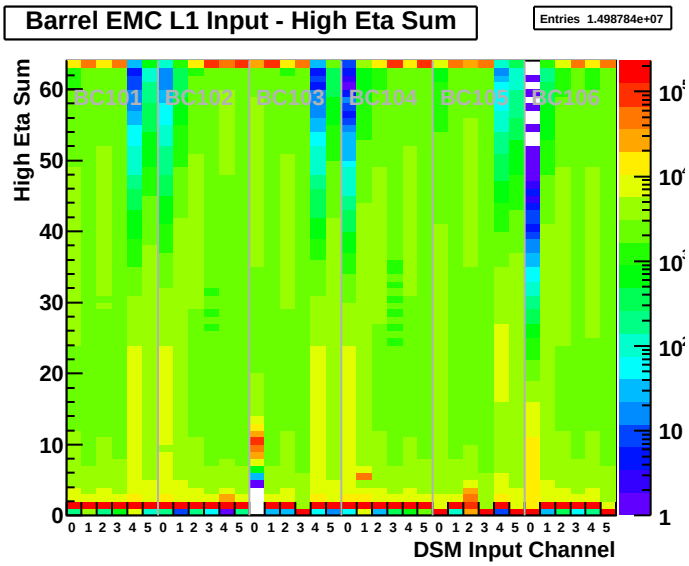
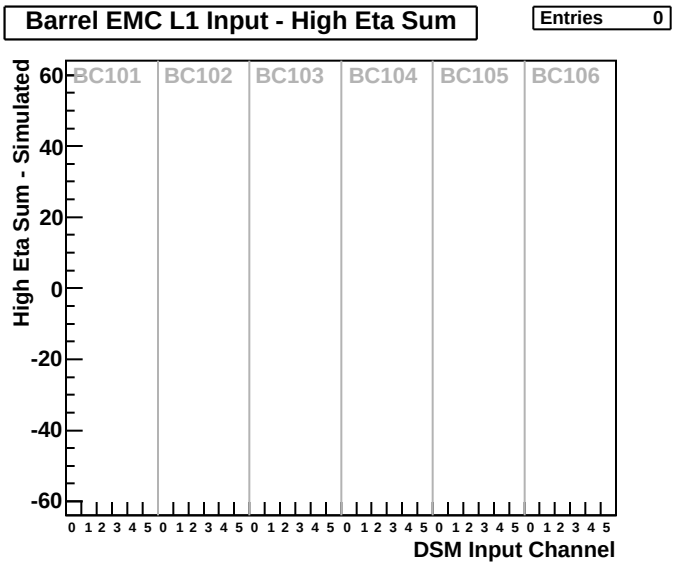
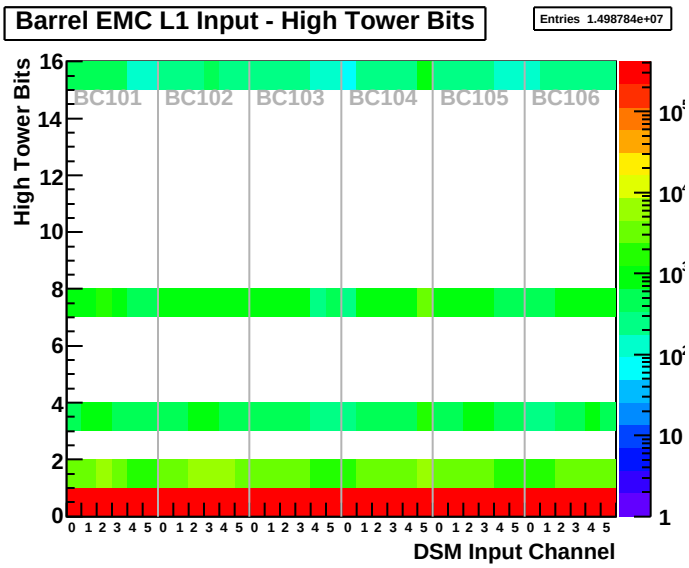
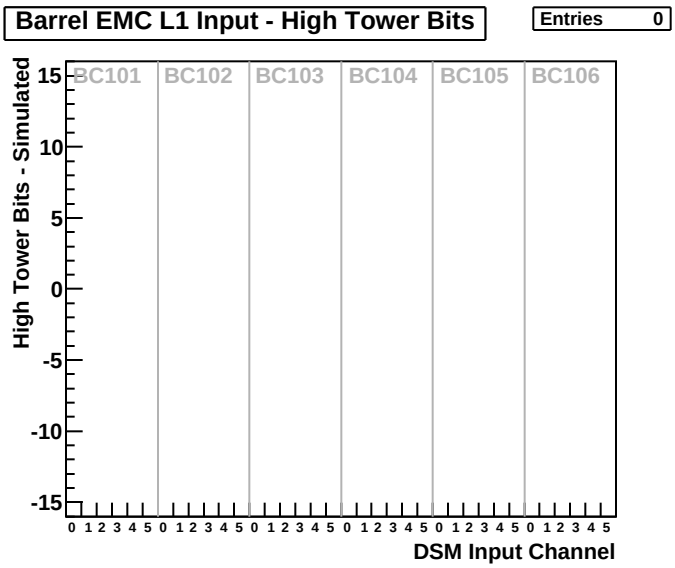

Barrel EMC L1 Input - Low Eta Sum
Entries 1.498784e+07
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

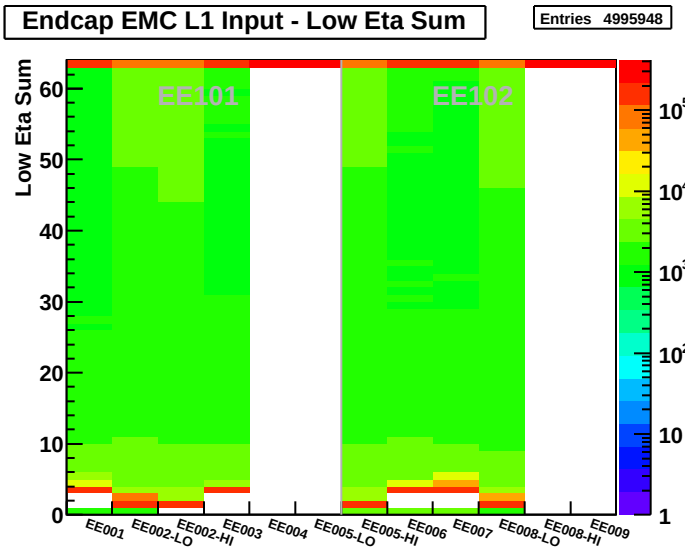

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

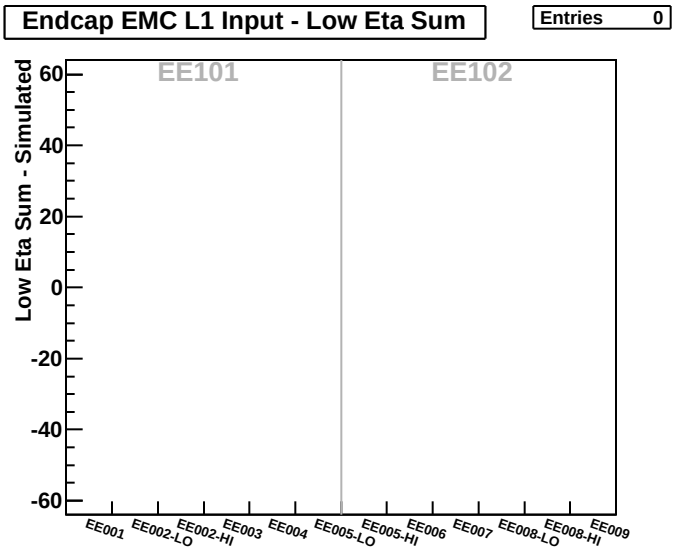

Barrel EMC L1 Input - High Eta Sum
Entries 1.498784e+07
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

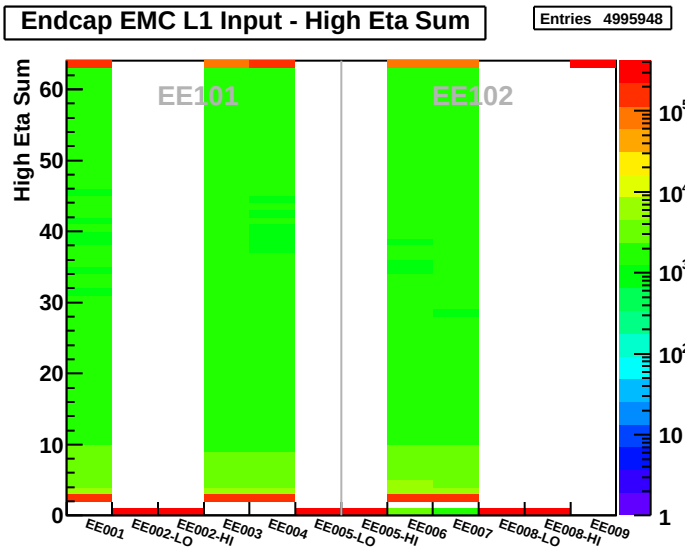

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

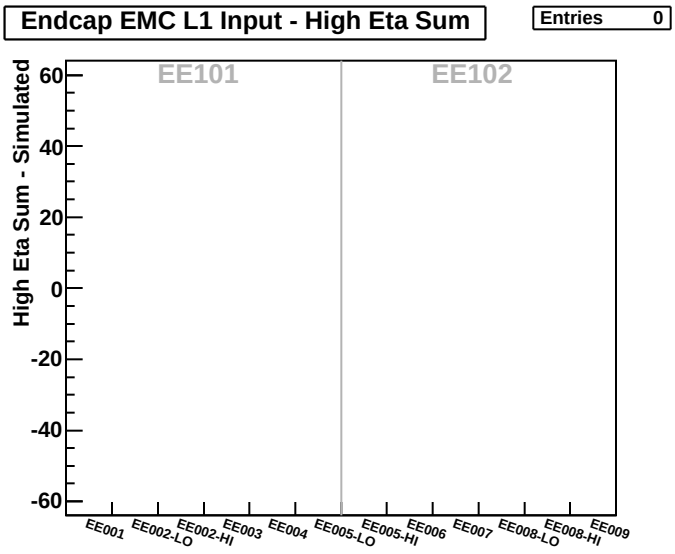

Barrel EMC L1 Input - High Tower Bits
Entries 1.498784e+07
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

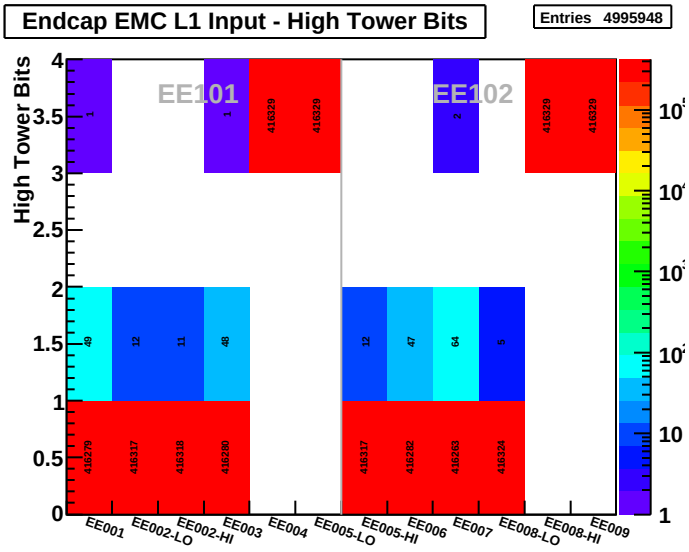

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

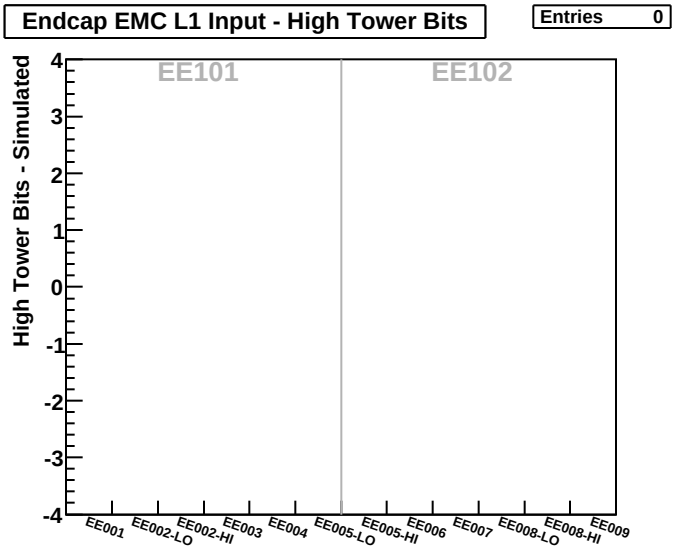

Endcap EMC L1 Input - Low Eta Sum
Entries 4995948
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

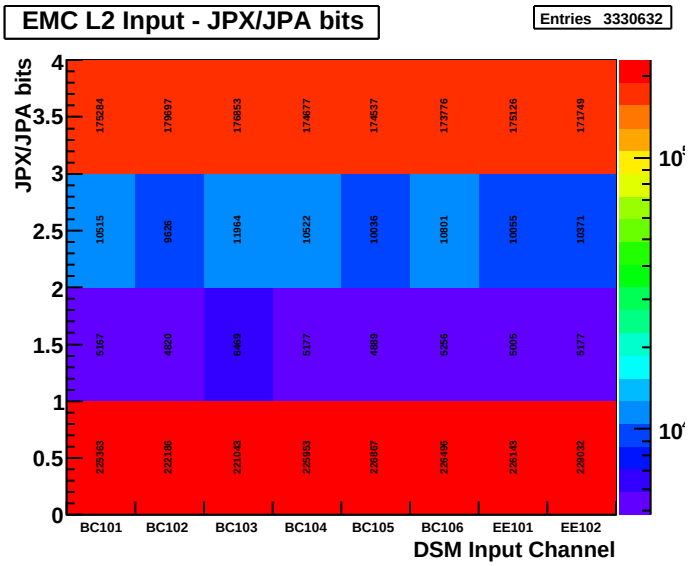

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

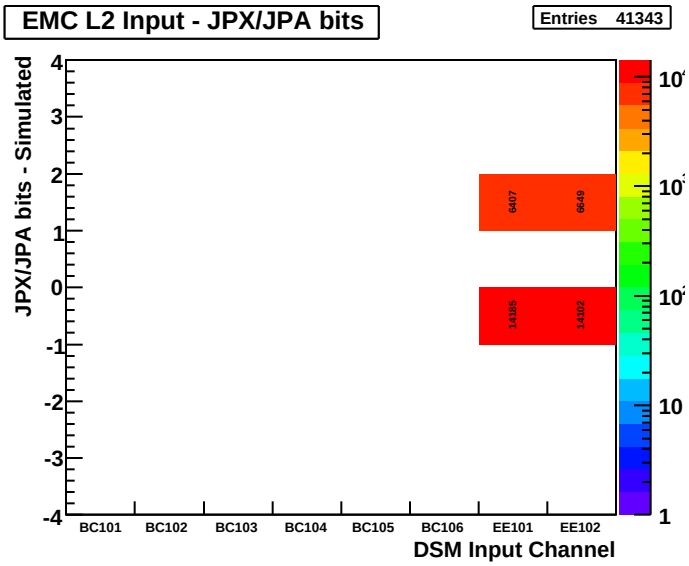

Endcap EMC L1 Input - High Eta Sum
Entries 4995948
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

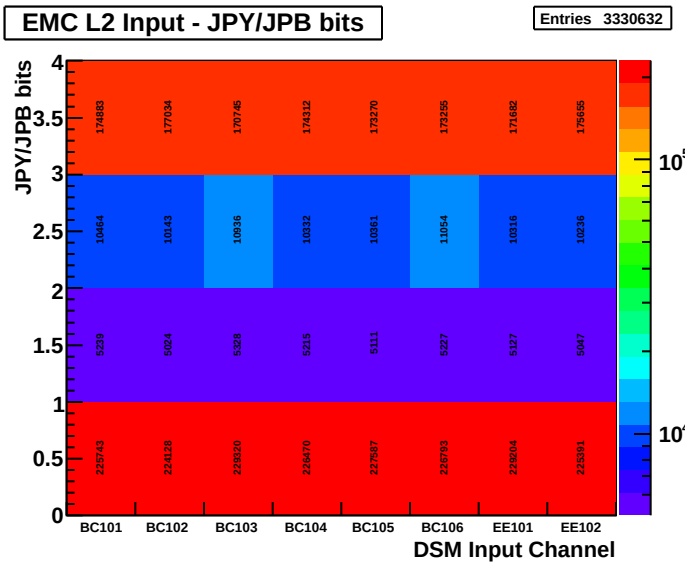

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

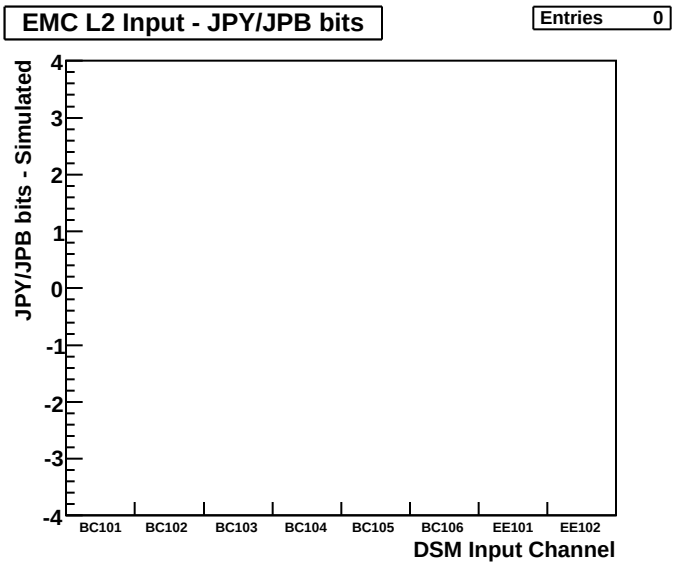

Endcap EMC L1 Input - High Tower Bits
Entries 4995948
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

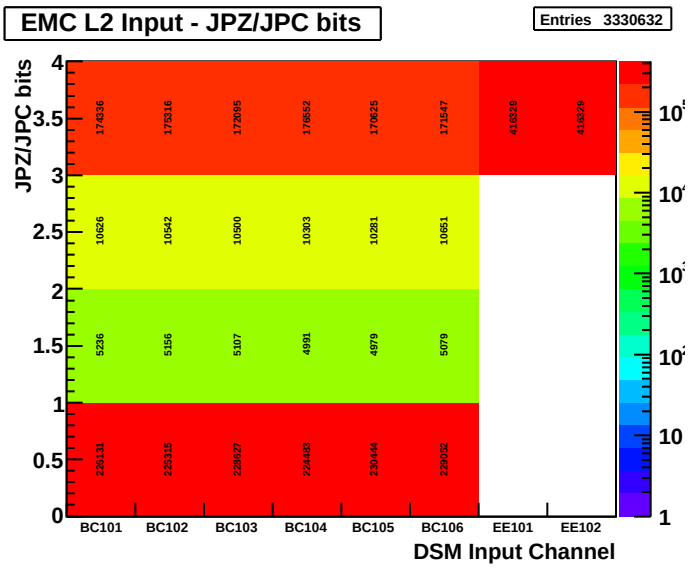

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

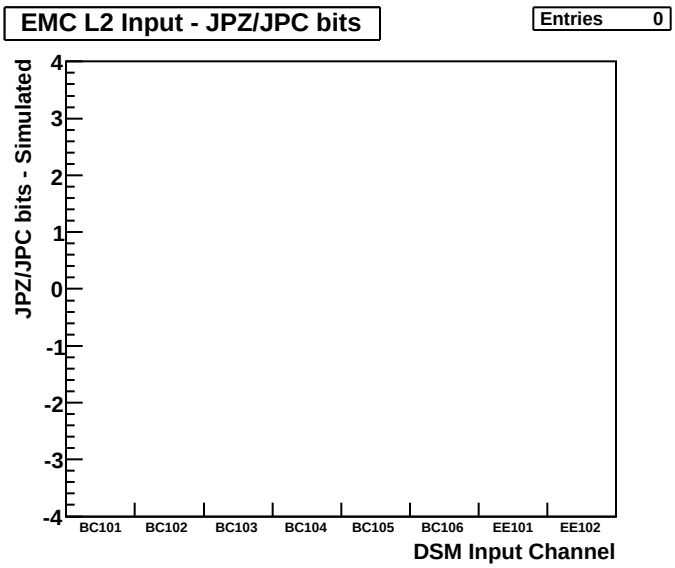

EMC L2 Input - JPX/JPA bits
Entries 3330632
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
175284 179697 176853 174677 174537 173776 175126 171749
10515 9626 11964 10522 10036 10801 10055 10371
5167 4820 6469 5177 4889 5256 5005 5177
225363 222186 221043 225933 226867 226496 226143 229032

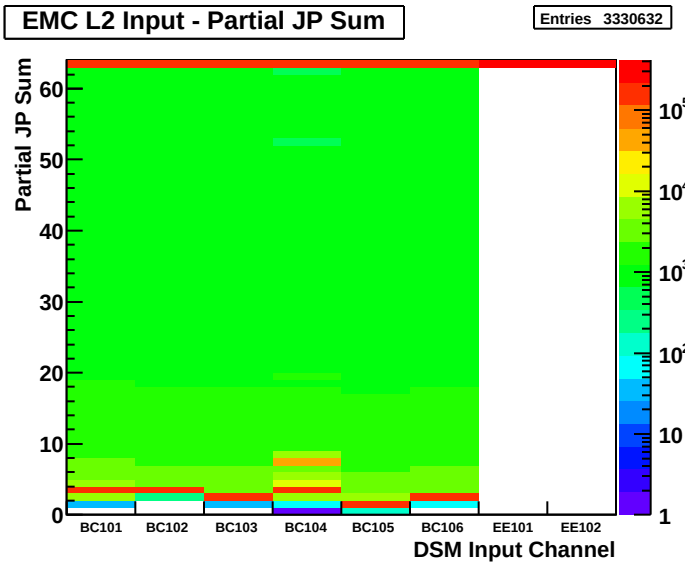

EMC L2 Input - JPX/JPA bits
Entries 41343
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
6407 6649
14185 14102

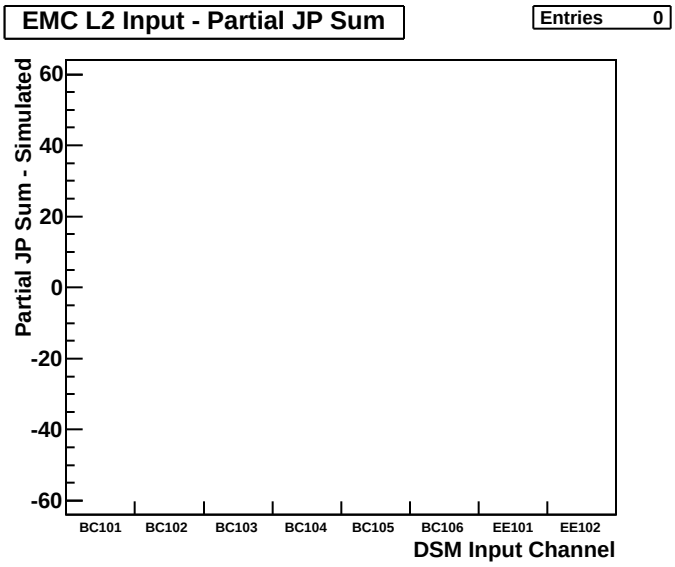

EMC L2 Input - JPY/JPB bits
Entries 3330632
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
174883 177034 170745 174312 173270 173255 171682 175655
10464 10143 10936 10332 10361 11054 10316 10236
5239 5024 5226 5215 5111 5227 5127 5047
225743 224128 229320 226470 227587 226793 229204 225391

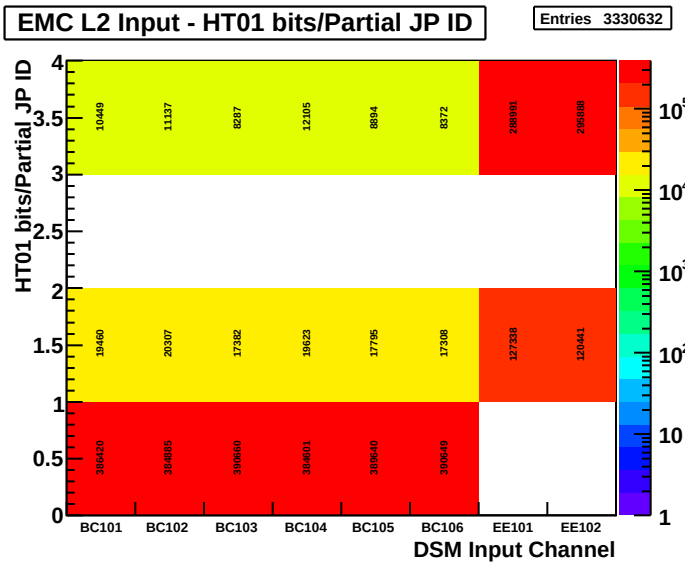

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

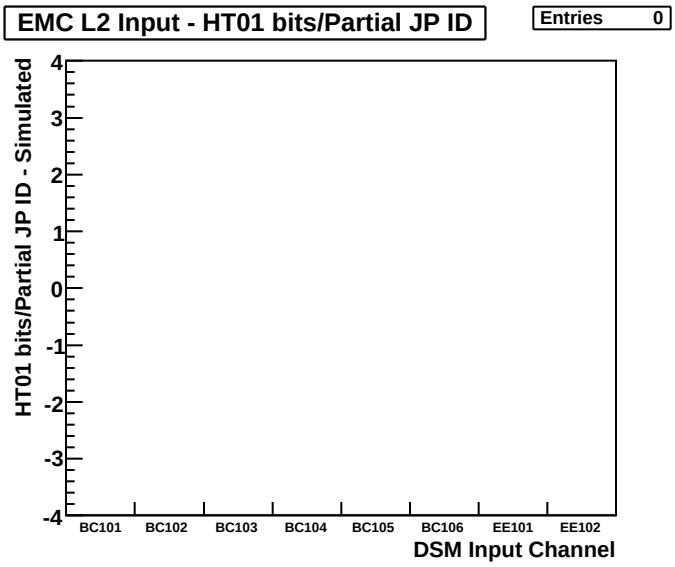

EMC L2 Input - JPZ/JPC bits
Entries 3330632
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
174336 173316 172095 176552 170625 171547 416329 416329
10626 10542 10500 10303 10281 10651
5236 5156 5107 4991 4979 5079
226131 225315 228627 224483 230444 229052

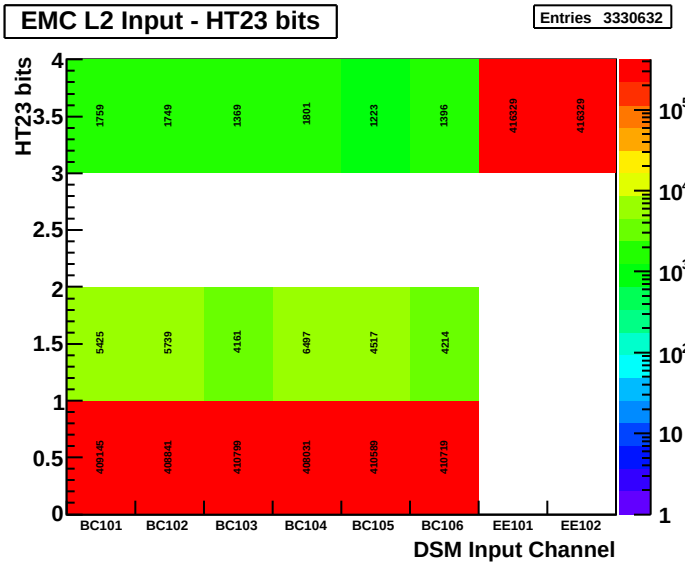

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

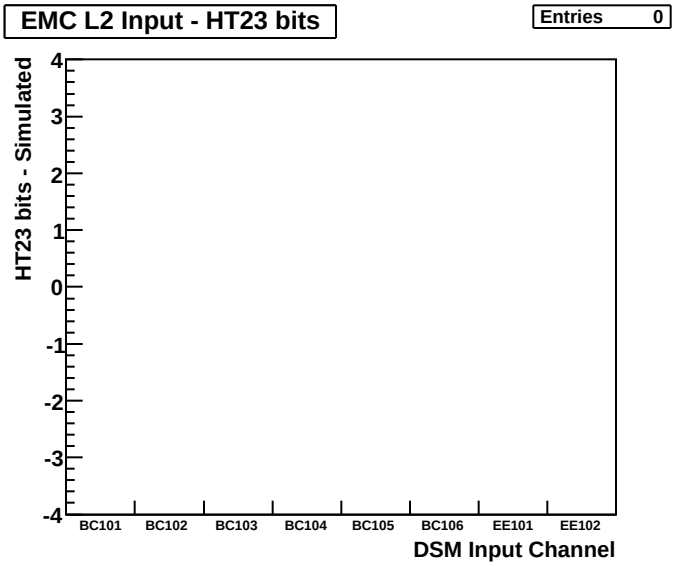

EMC L2 Input - Partial JP Sum
Entries 3330632
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

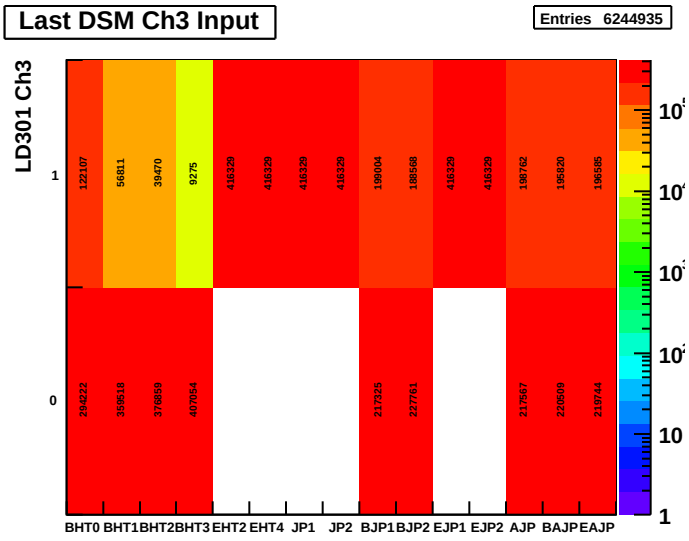

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

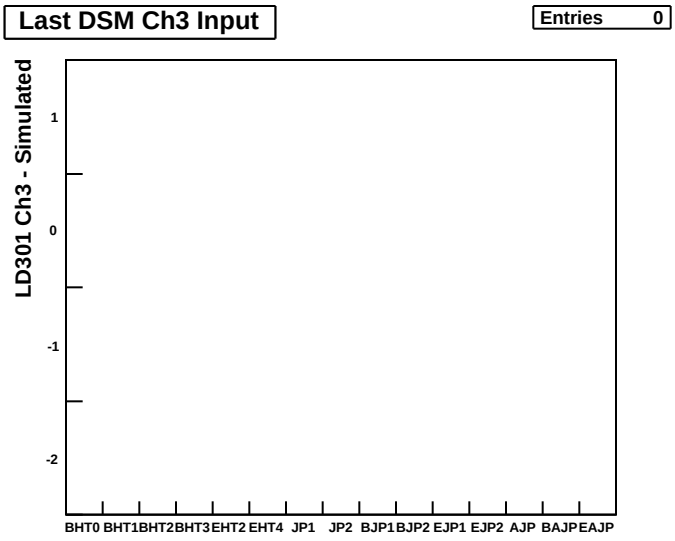

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3330632
HT01 bits/Partial JP ID
10449 11137 8287 12105 8894 8372 288991 295888
19460 20307 17382 19623 17795 17308 127338 120441
386420 384885 390660 384601 389640 390649
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

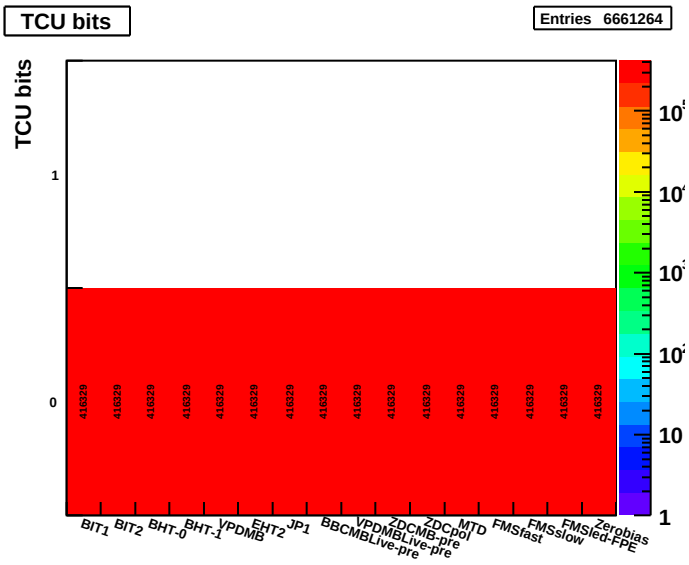

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

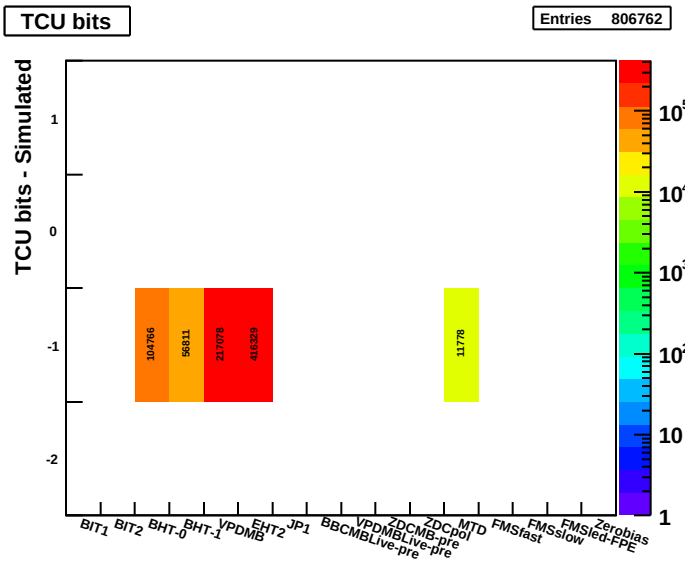

EMC L2 Input - HT23 bits
Entries 3330632
HT23 bits
1759 1749 1369 1801 1223 1396 416329 416329
5425 5739 4161 6487 4517 4214
409145 408841 410799 408031 410589 410719
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

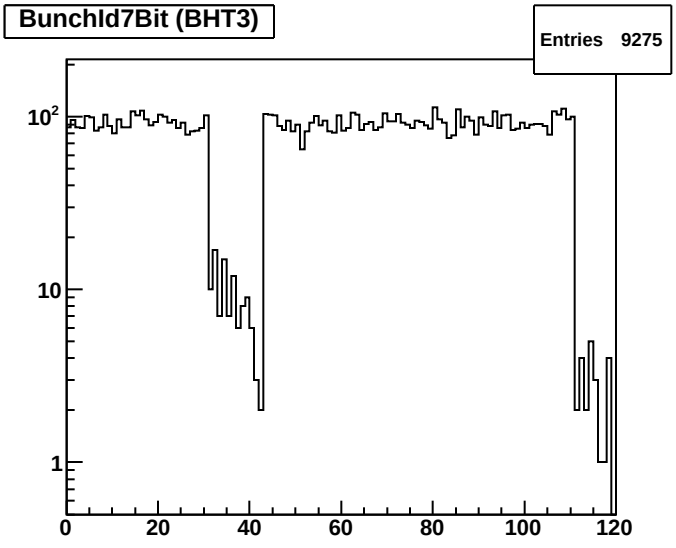

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

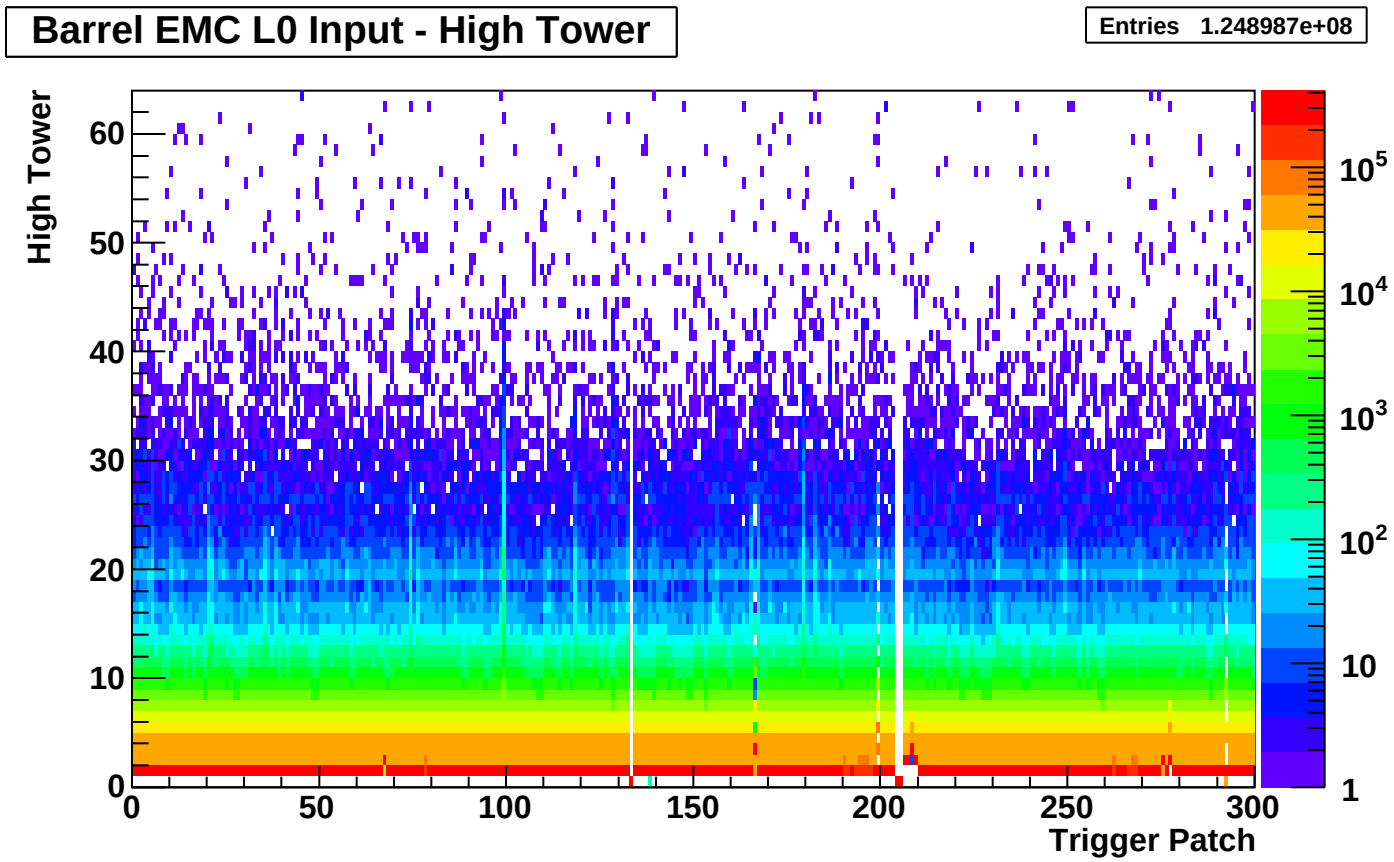

Last DSM Ch3 Input
Entries 6244935
LD301 Ch3
1
0
122107
56811
39470
9275
416329
416329
416329
416329
199004
188568
416329
416329
198762
195820
196585
294222
359518
376859
407054
217325
227761
217567
220509
219744
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP
1

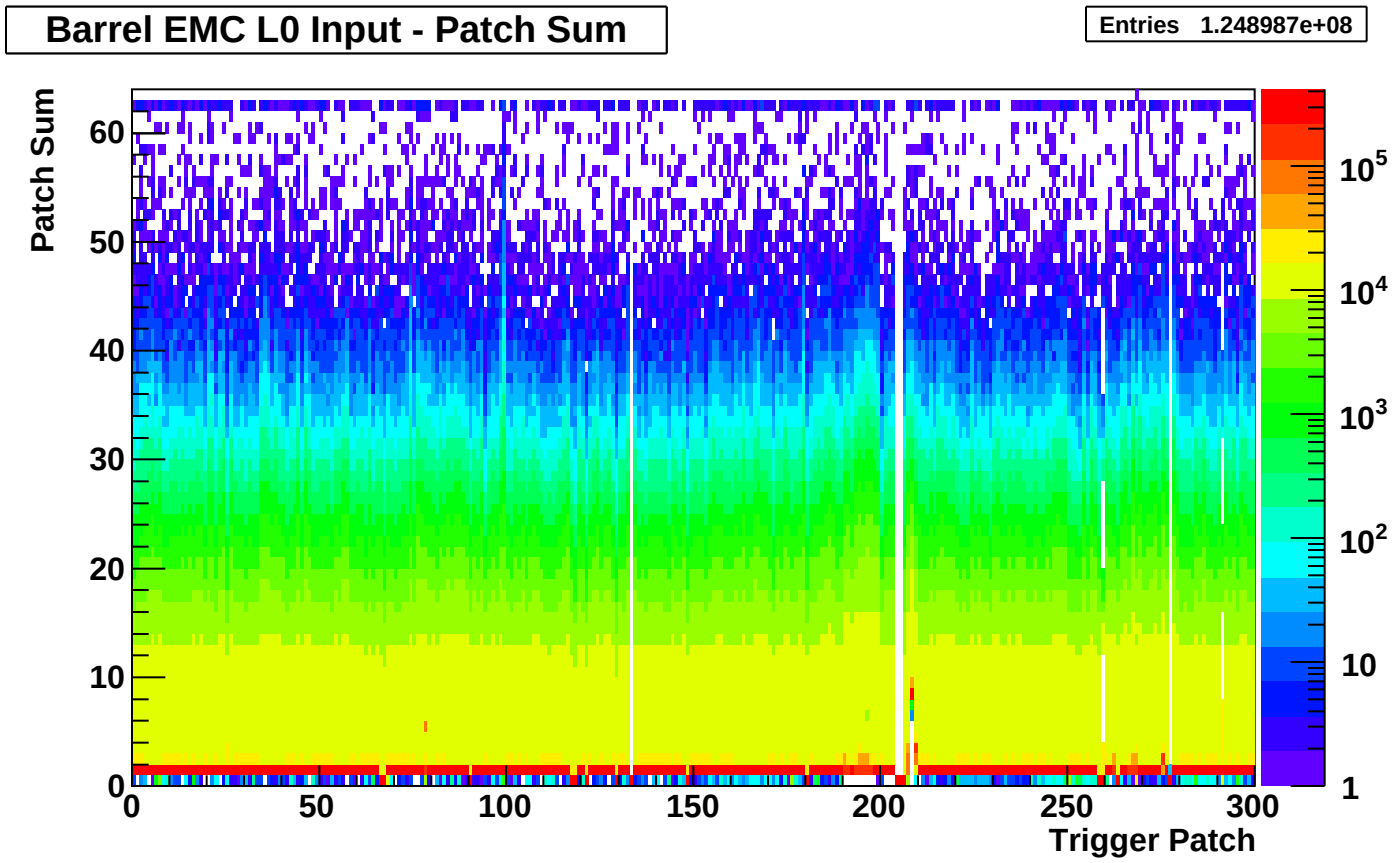

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
1
0
-1
-2
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

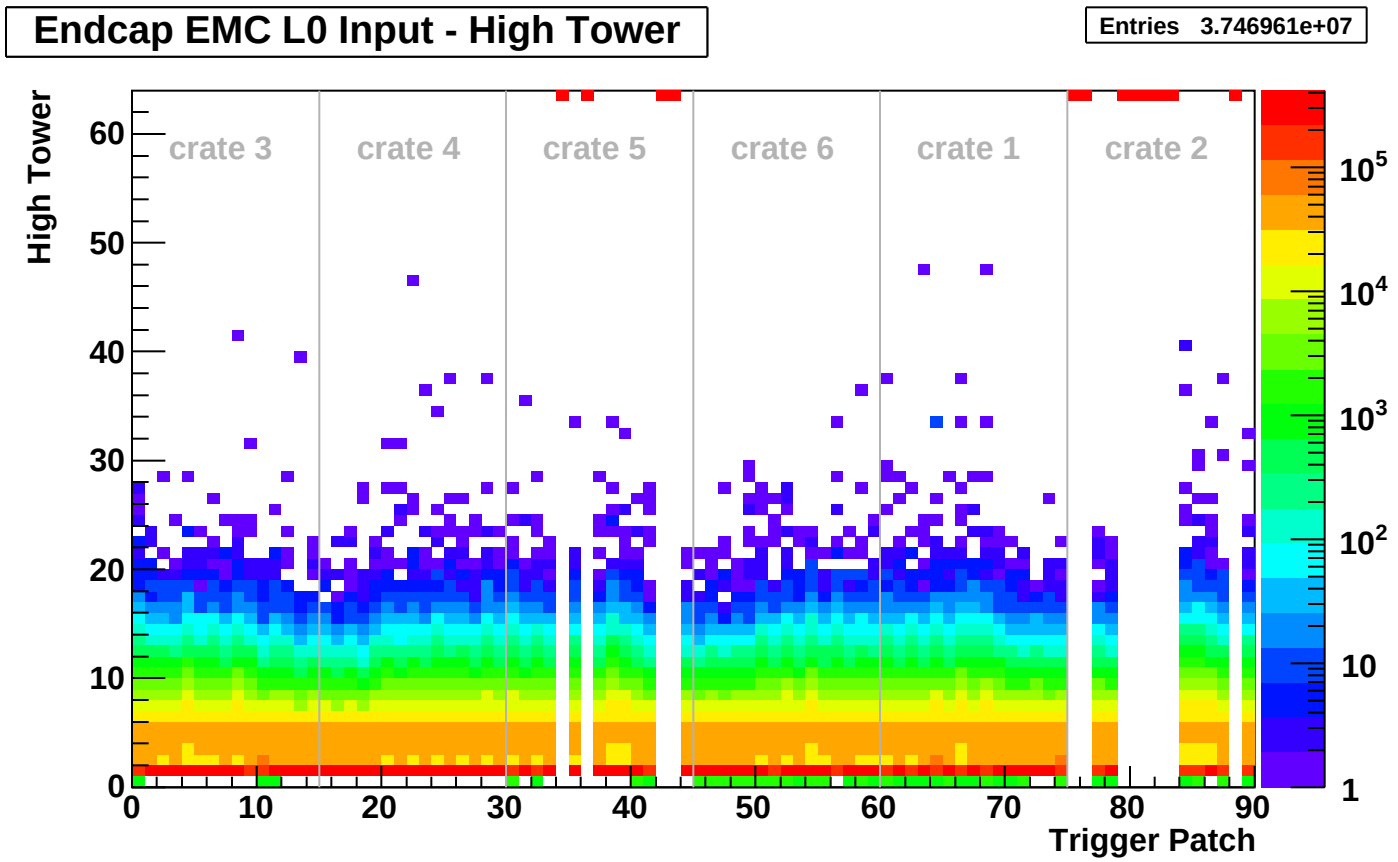

TCU bits
Entries 6661264
TCU bits
1
0
416329
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
1

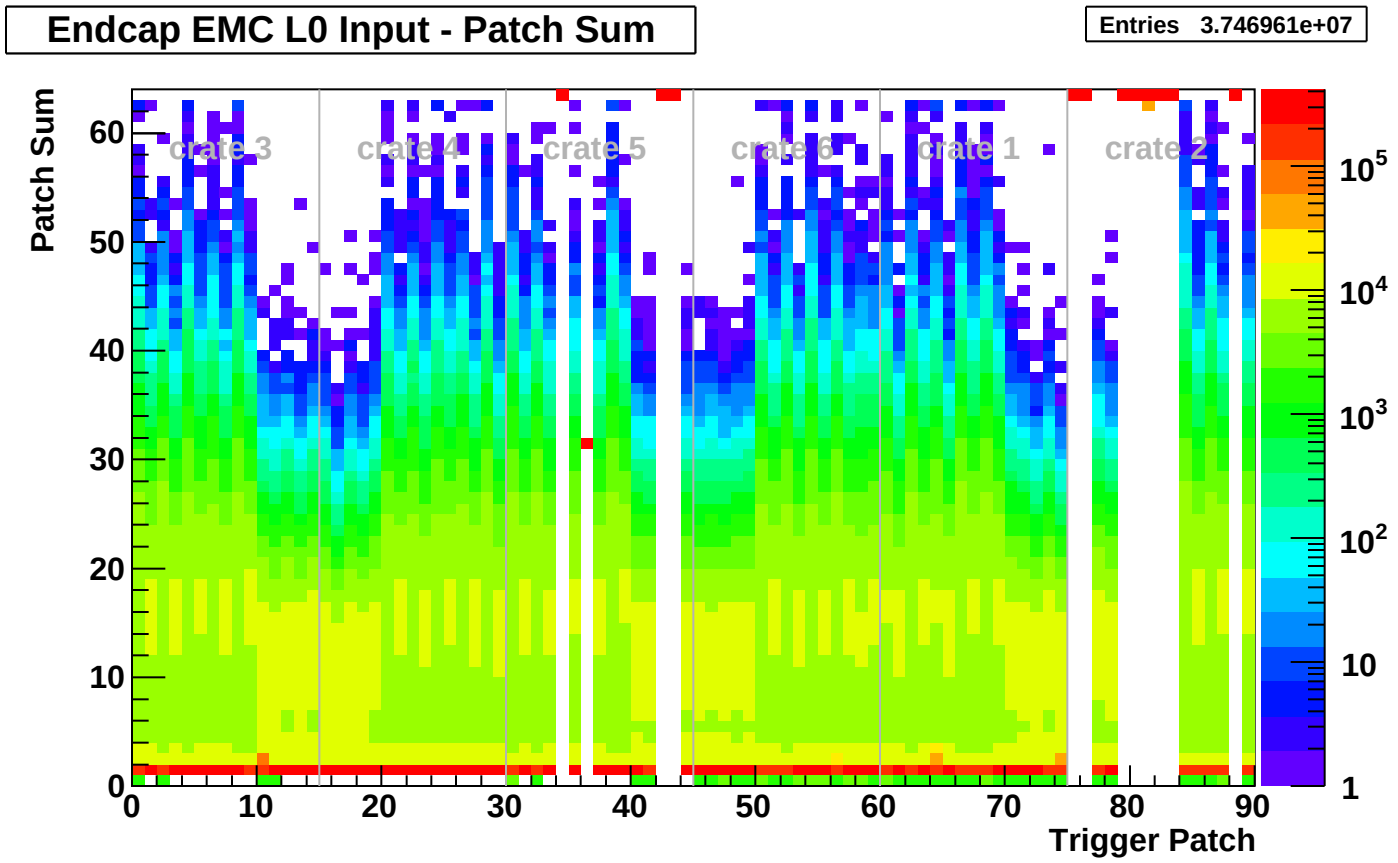

TCU bits
Entries 806762
TCU bits - Simulated
1
0
-1
-2
104766
56811
217078
416329
11778
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
1

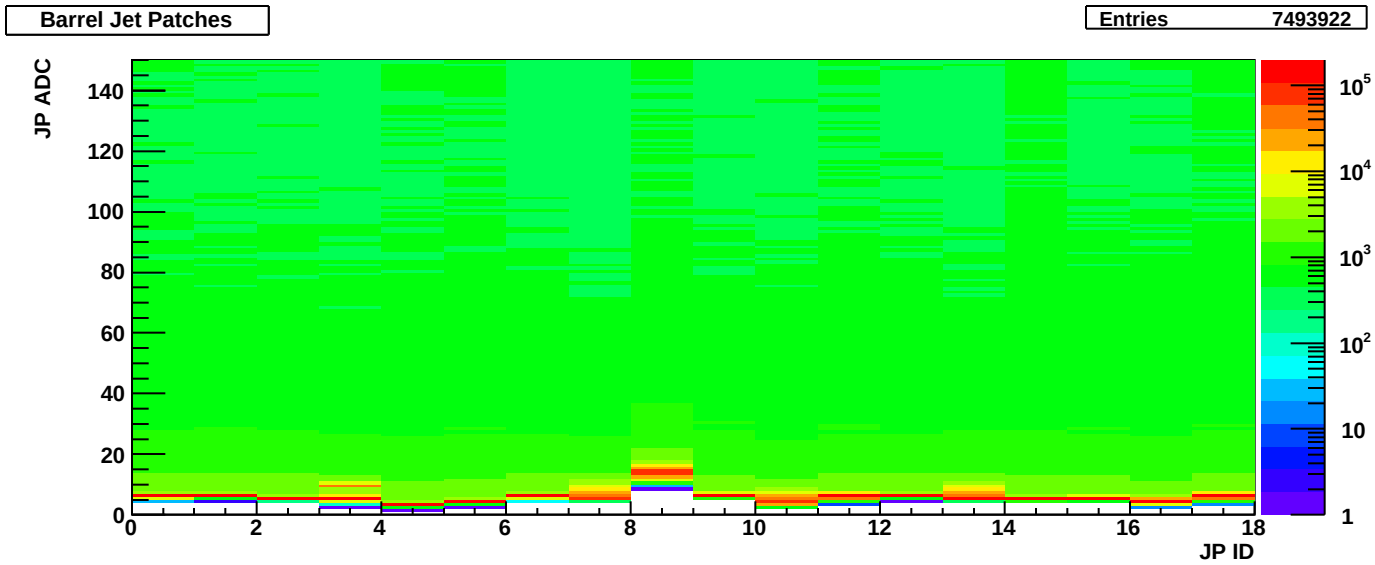

BunchId7Bit (BHT3)
Entries 9275
10²
10
1
0
20
40
60
80
100
120

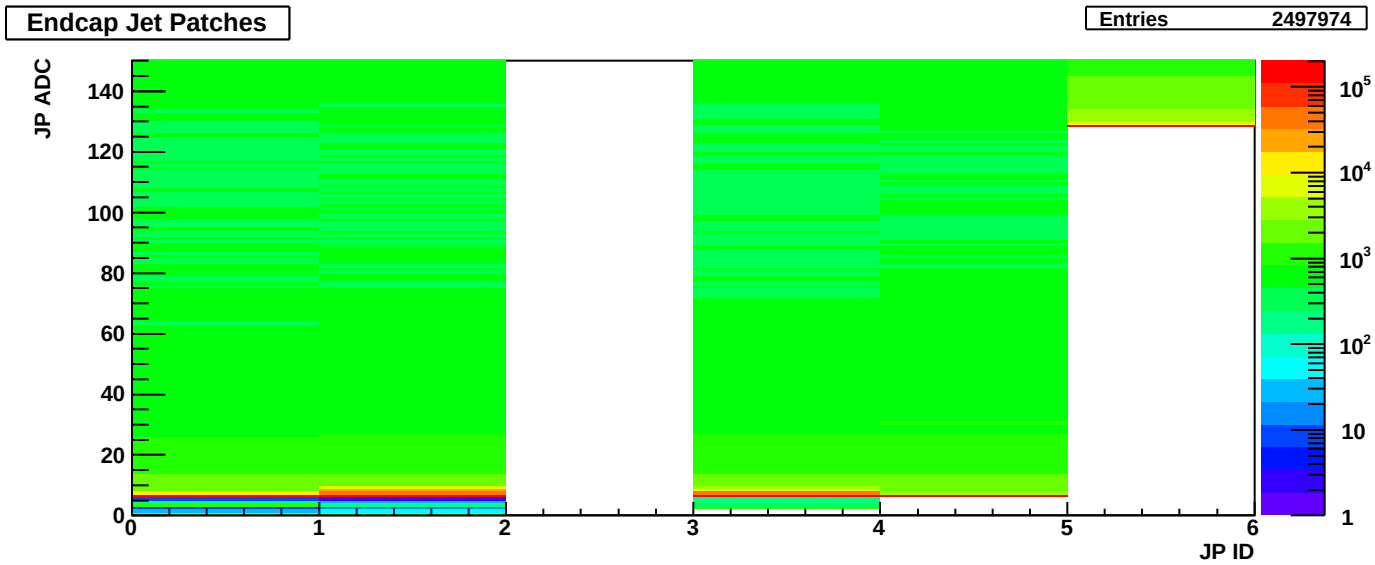

Barrel EMC L0 Input - High Tower
Entries 1.248987e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

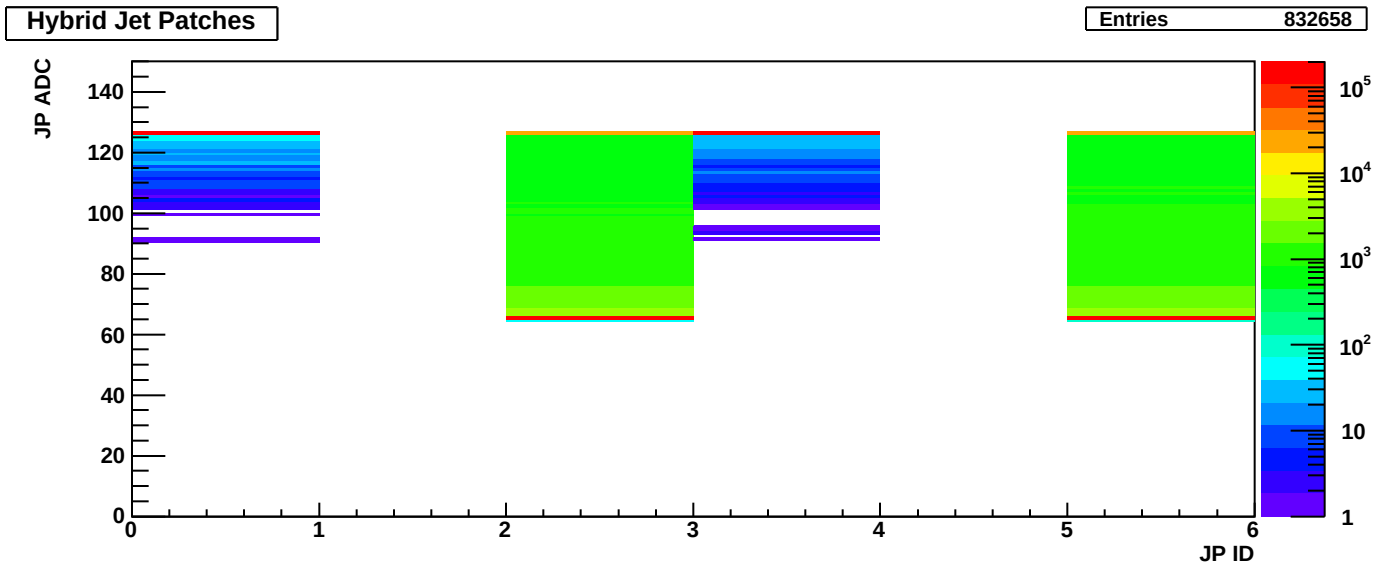

Barrel EMC L0 Input - Patch Sum
Entries 1.248987e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

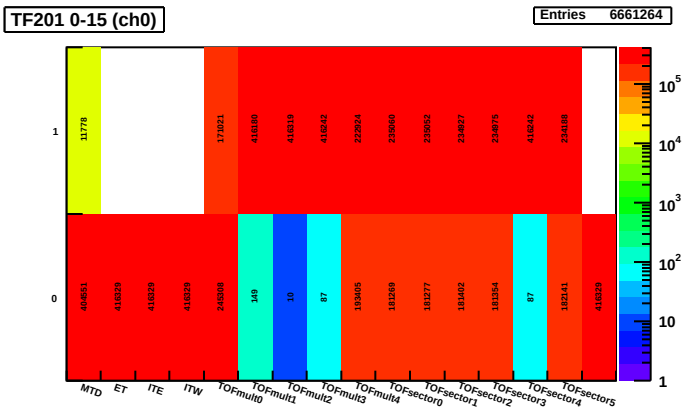

Endcap EMC L0 Input - High Tower
Entries 3.746961e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

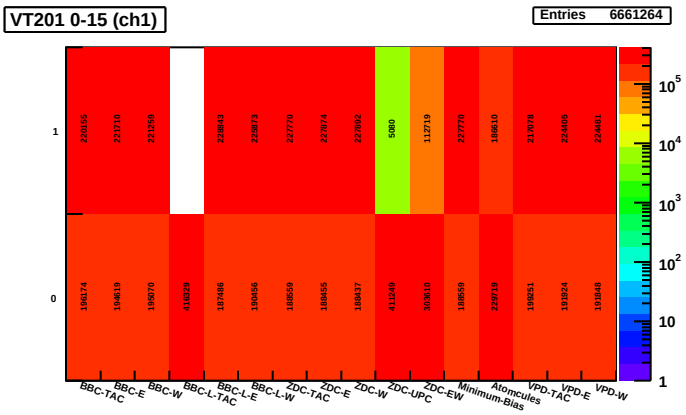

Endcap EMC L0 Input - Patch Sum
Entries 3.746961e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

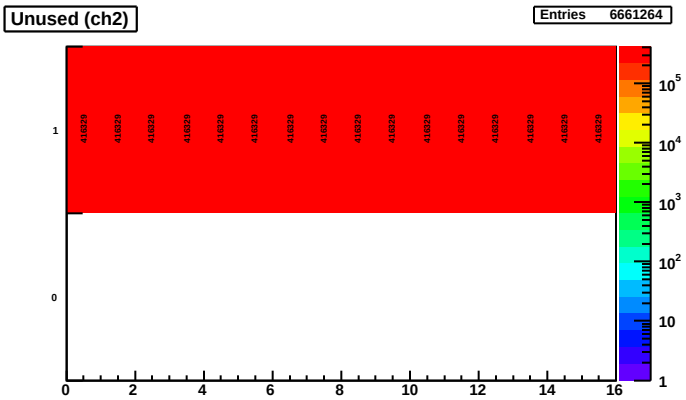

Barrel Jet Patches
Entries 7493922
JP ADC
JP ID

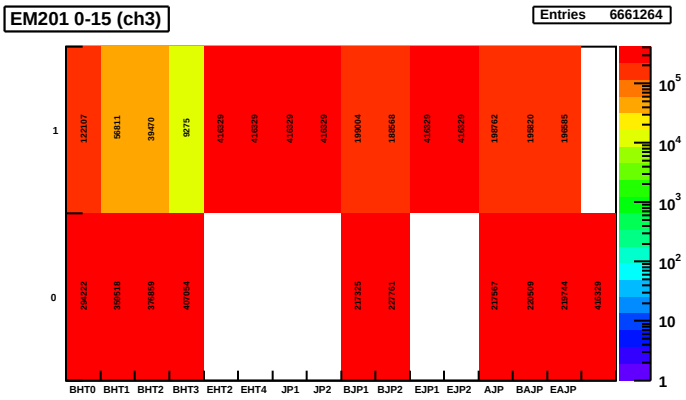

Endcap Jet Patches
Entries 2497974
JP ADC
JP ID

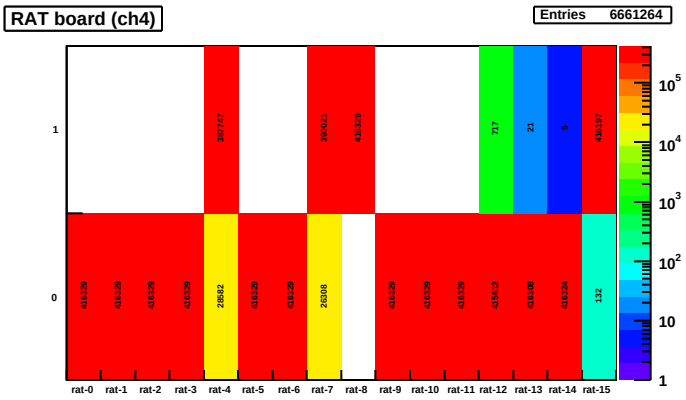

Hybrid Jet Patches
Entries 832658
JP ADC
JP ID

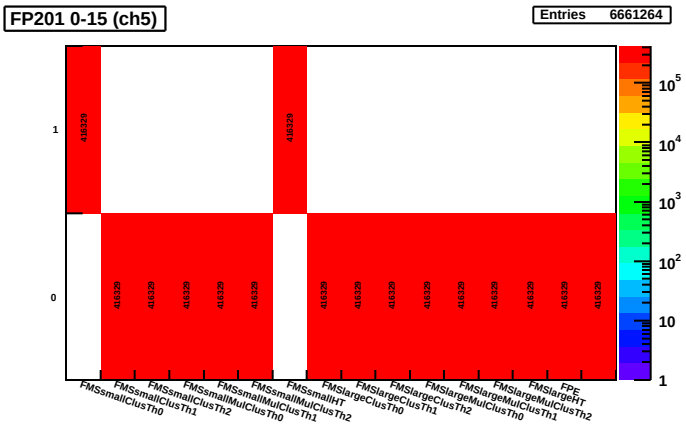

TF201 0-15 (ch0)
Entries 6661264
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

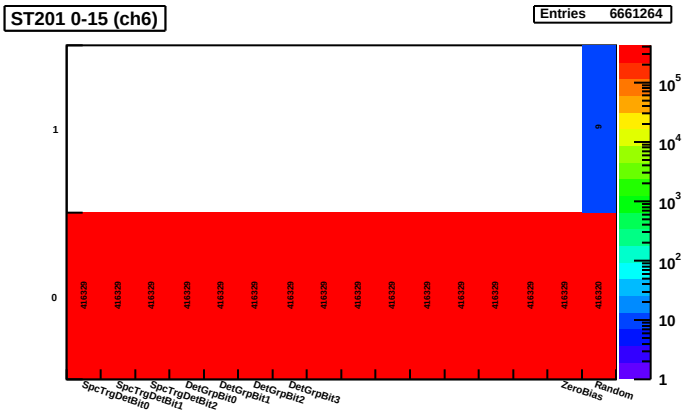

VT201 0-15 (ch1)
Entries 6661264
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

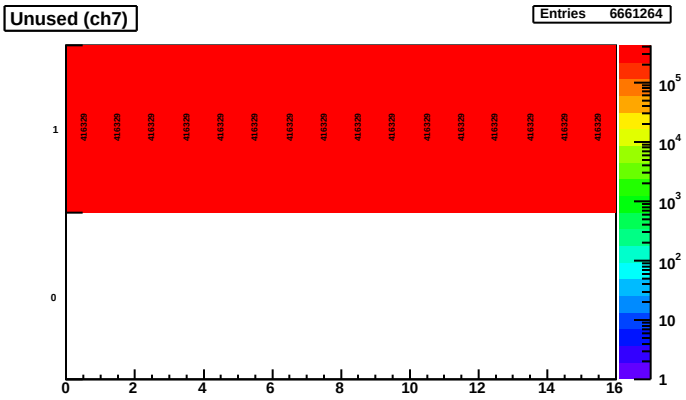

Unused (ch2)
Entries 6661264

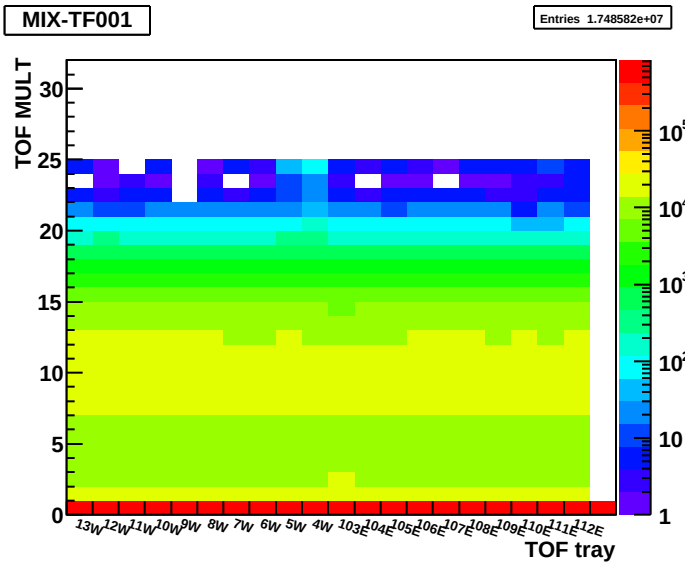

EM201 0-15 (ch3)
Entries 6661264
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

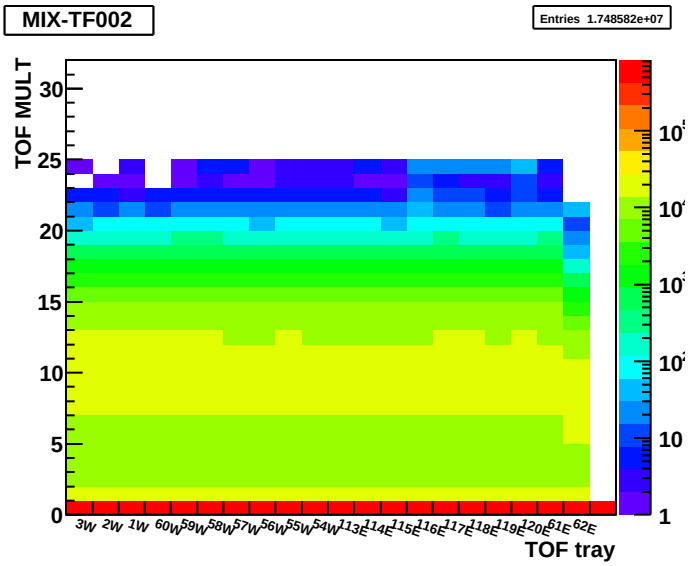

RAT board (ch4)
Entries 6661264
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

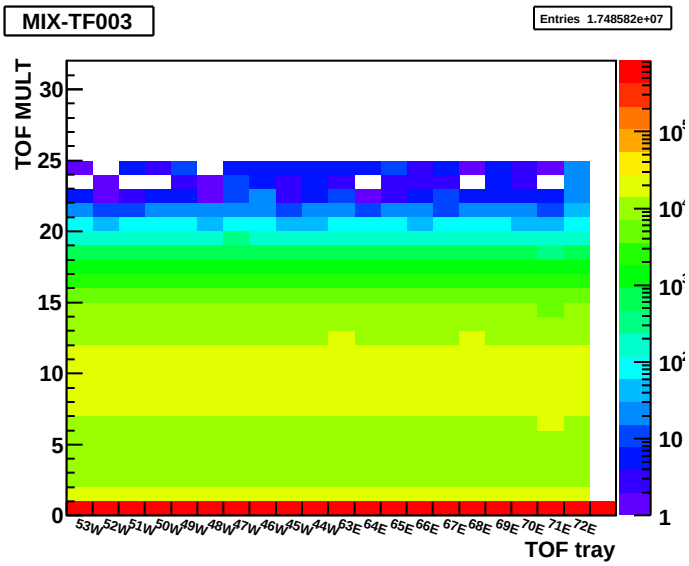

FP201 0-15 (ch5)
Entries 6661264
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

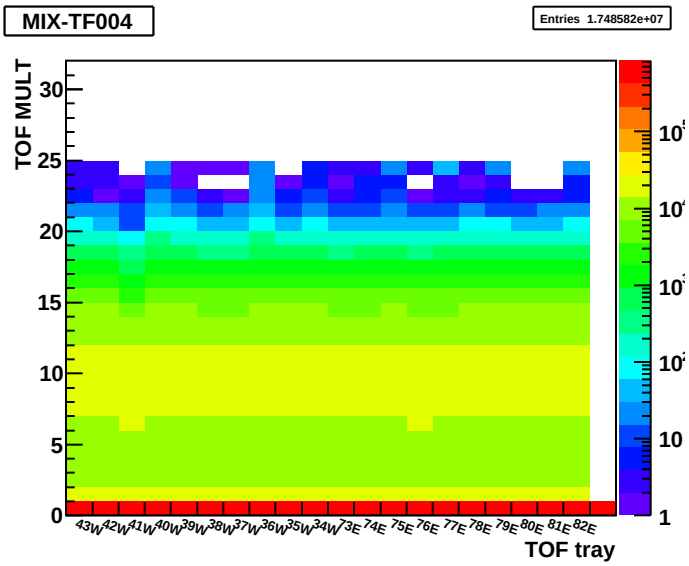

ST201 0-15 (ch6)
Entries 6661264
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

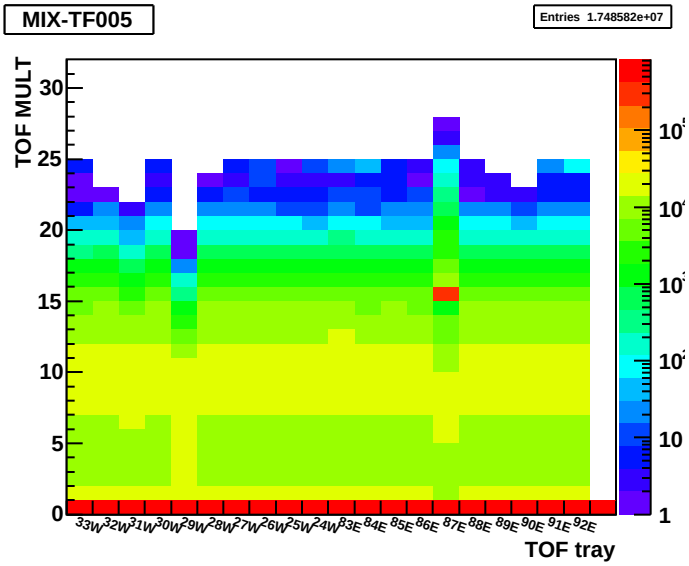

Unused (ch7)
Entries 6661264

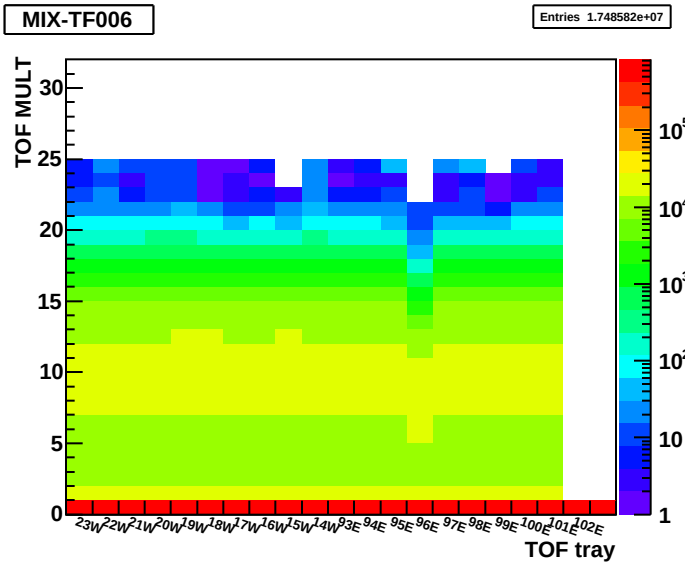

MIX-TF001
Entries 1.748582e+07
TOF MULT
TOF tray

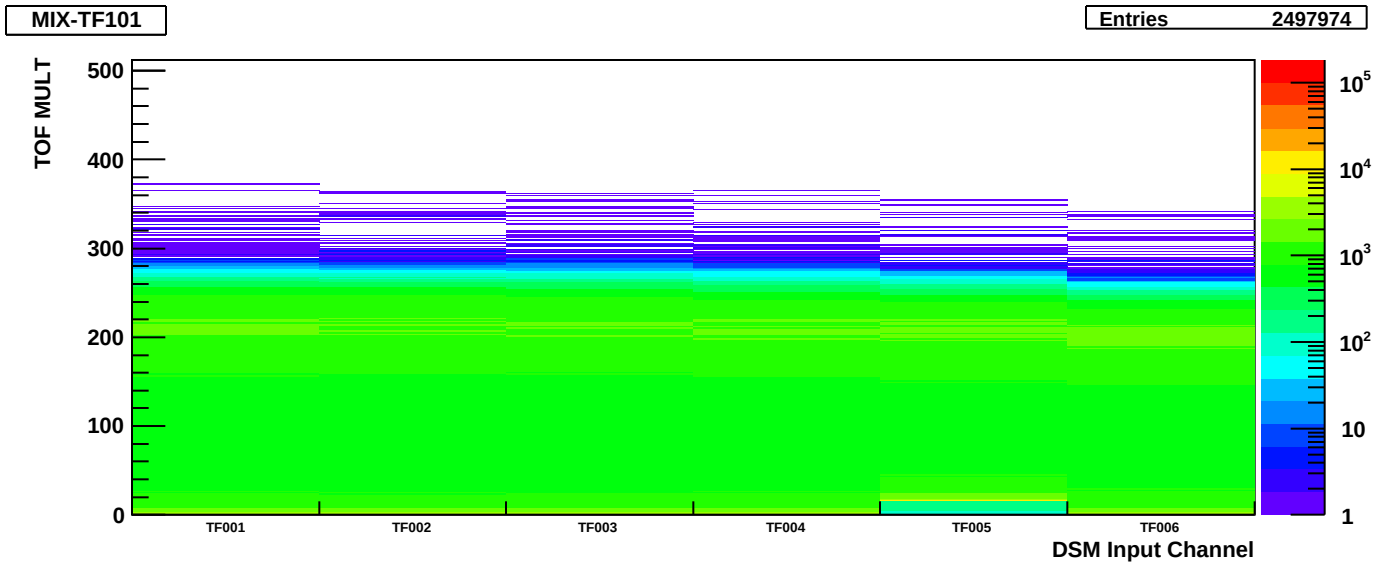

MIX-TF002
Entries 1.748582e+07
TOF MULT
TOF tray

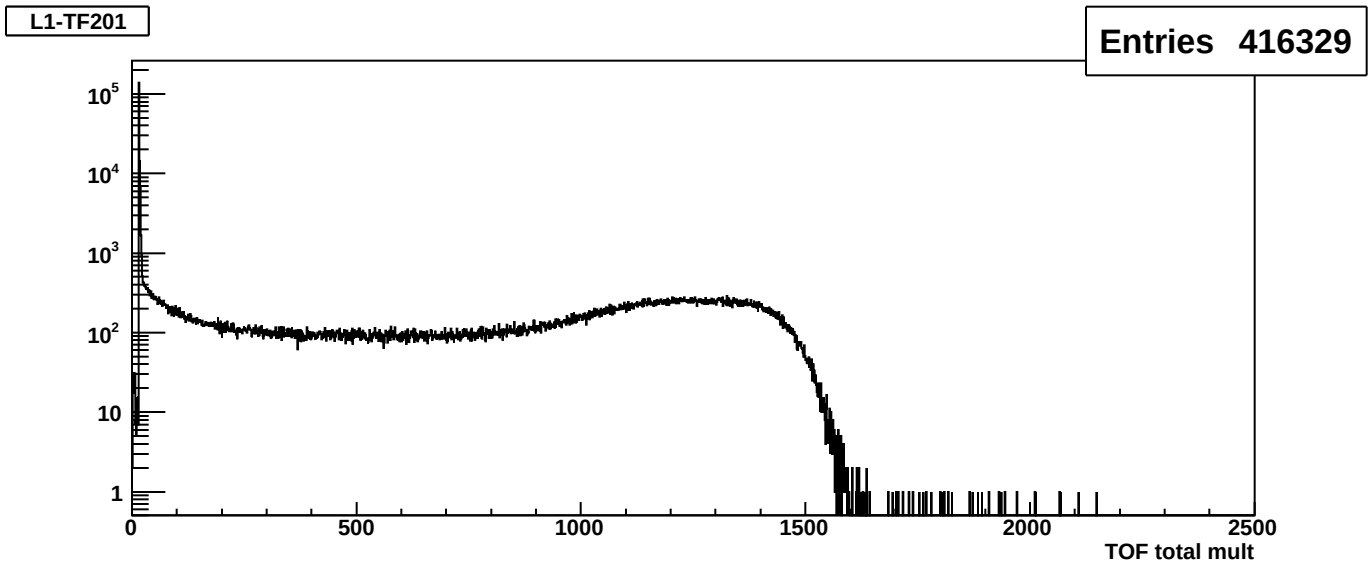

MIX-TF003
Entries 1.748582e+07
TOF MULT
TOF tray

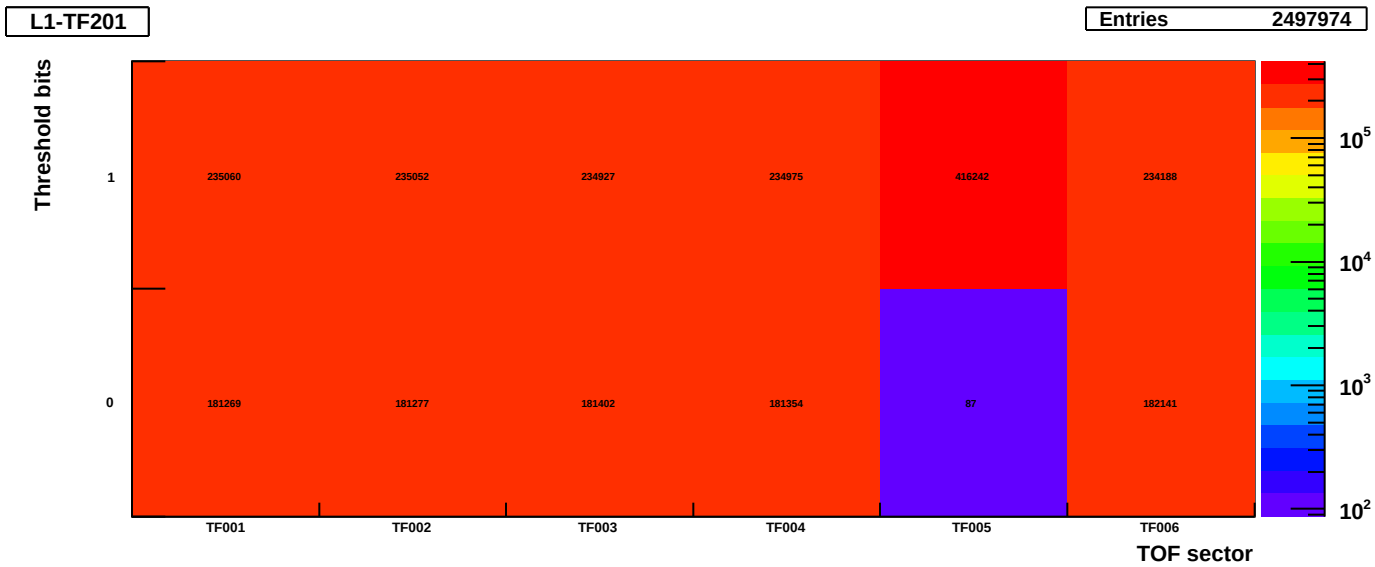

MIX-TF004
Entries 1.748582e+07
TOF MULT
TOF tray

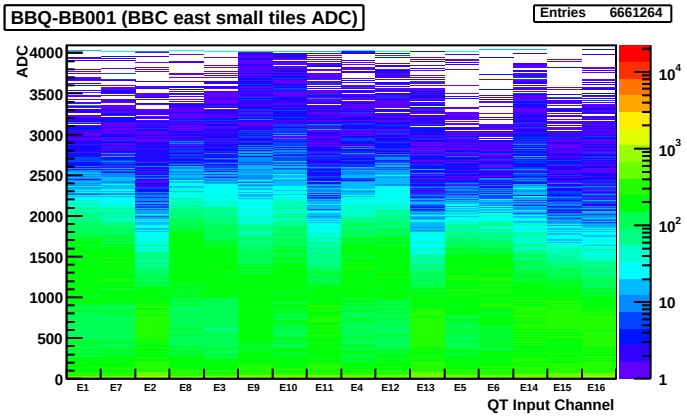

MIX-TF005
Entries 1.748582e+07
TOF MULT
TOF tray

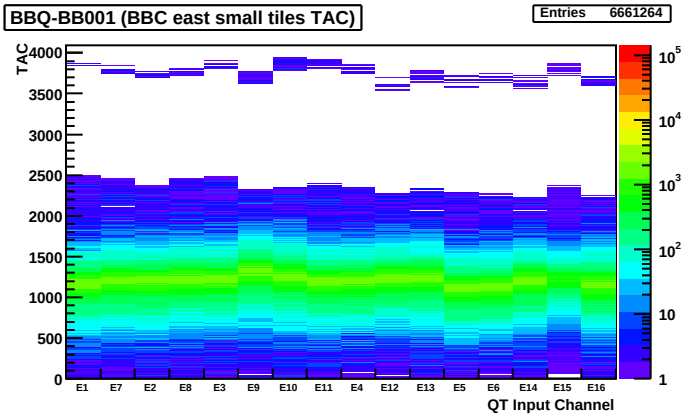

MIX-TF006
Entries 1.748582e+07
TOF MULT
TOF tray

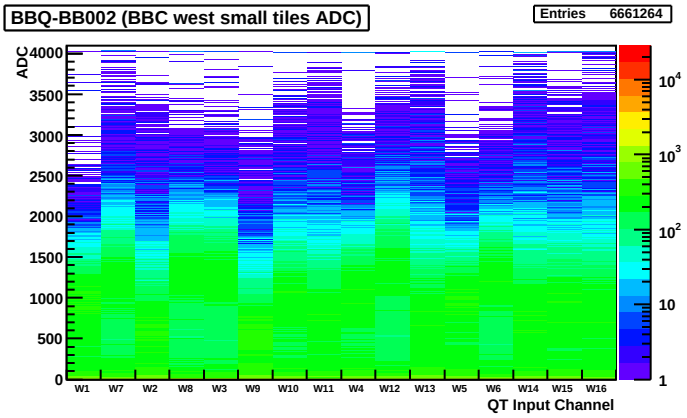

MIX-TF101
Entries 2497974
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^5
10^4
10^3
10^2
10
1

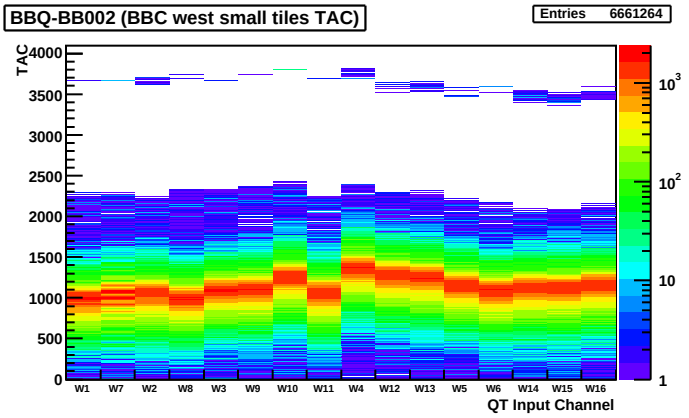

L1-TF201
Entries 416329
10^5
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

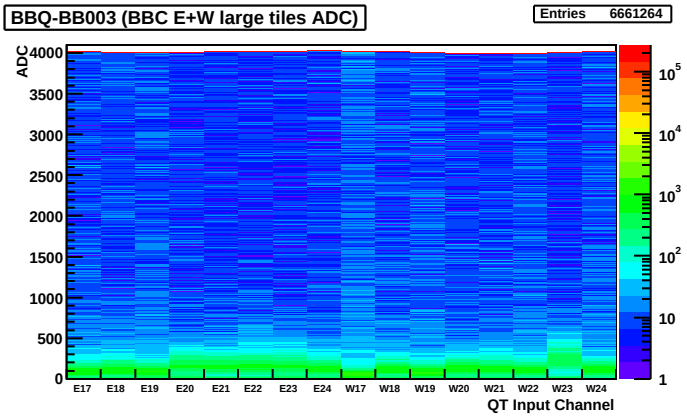

L1-TF201
Entries 2497974
Threshold bits
1
0
235060
235052
234927
234975
416242
234188
181269
181277
181402
181354
87
182141
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4
10^3
10^2

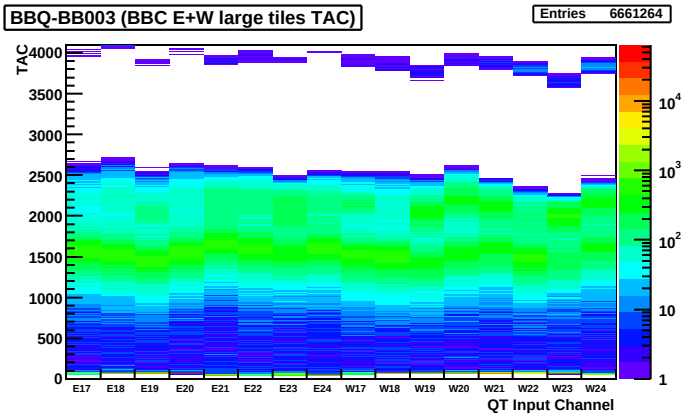

BBQ-BB001 (BBC east small tiles ADC)
Entries 6661264
ADC
QT Input Channel

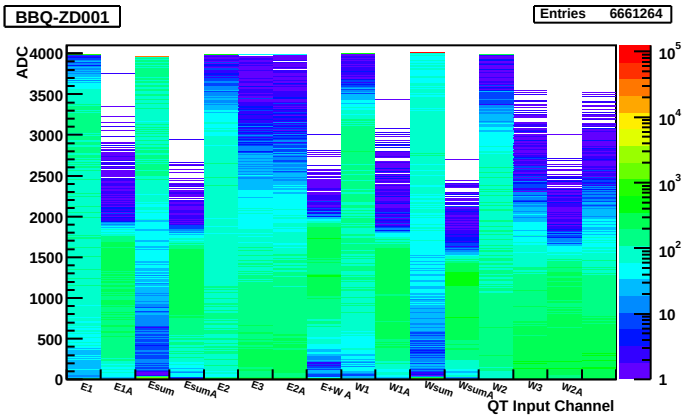

BBQ-BB001 (BBC east small tiles TAC)
Entries 6661264
TAC
QT Input Channel

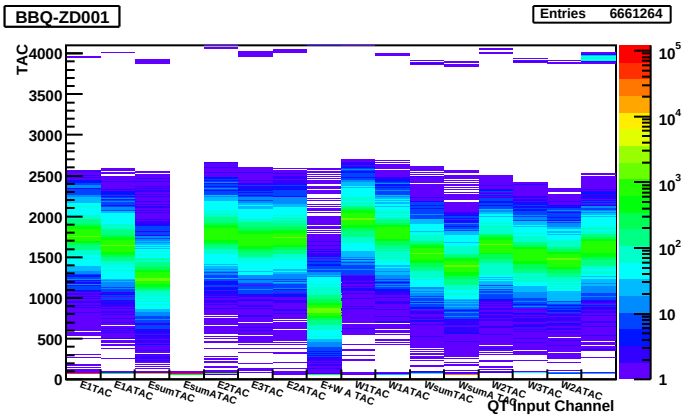

BBQ-BB002 (BBC west small tiles ADC)
Entries 6661264
ADC
QT Input Channel

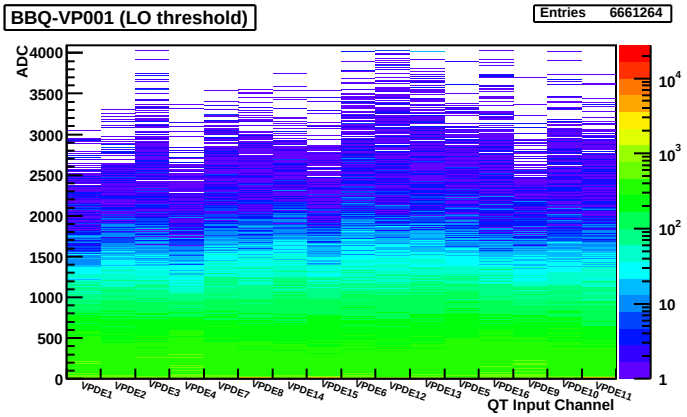

BBQ-BB002 (BBC west small tiles TAC)
Entries 6661264
TAC
QT Input Channel

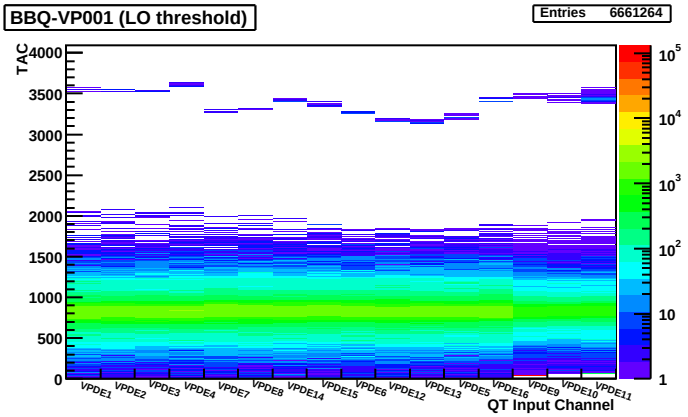

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6661264
ADC
QT Input Channel

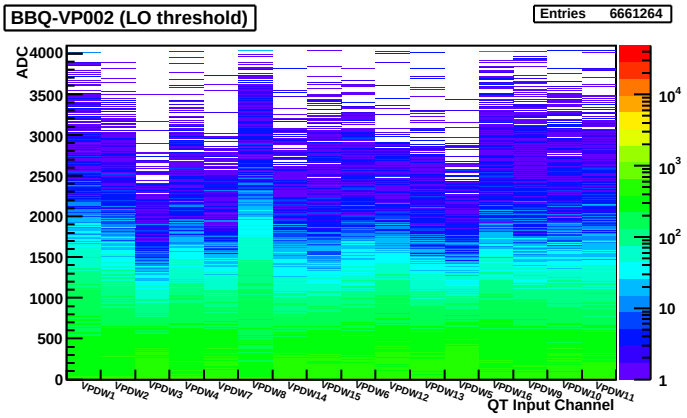

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6661264
TAC
QT Input Channel

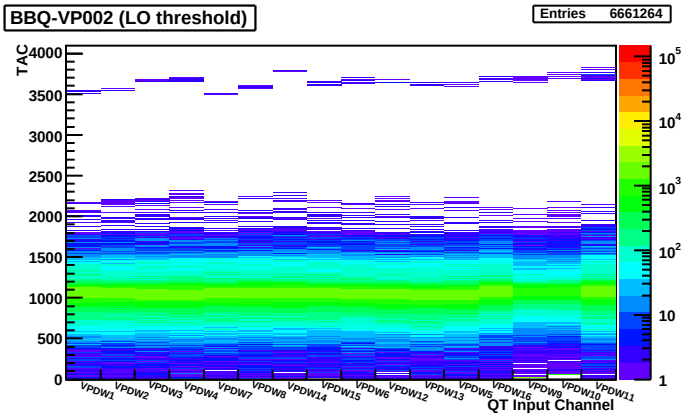

BBQ-ZD001
Entries 6661264
ADC
QT Input Channel

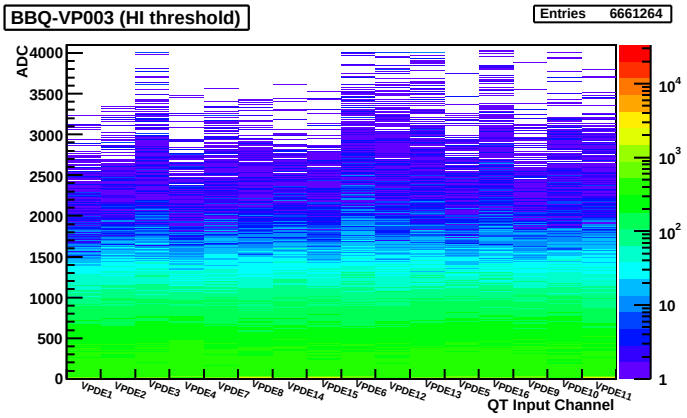

BBQ-ZD001
Entries 6661264
TAC
QT Input Channel

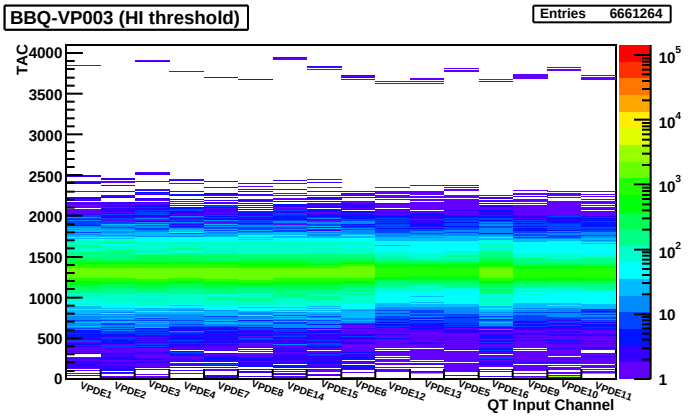

BBQ-VP001 (LO threshold)
Entries 6661264
ADC
QT Input Channel

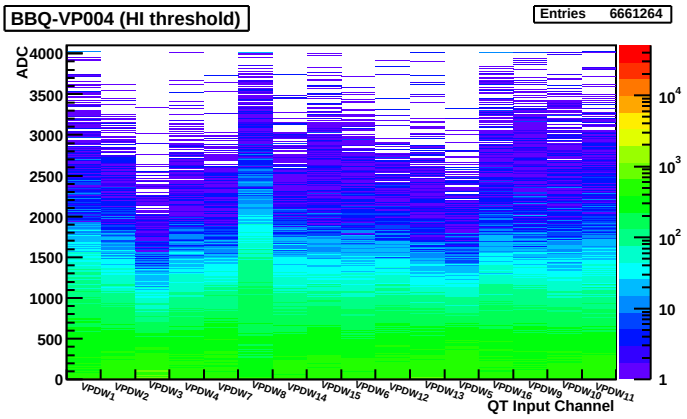

BBQ-VP001 (LO threshold)
Entries 6661264
TAC
QT Input Channel

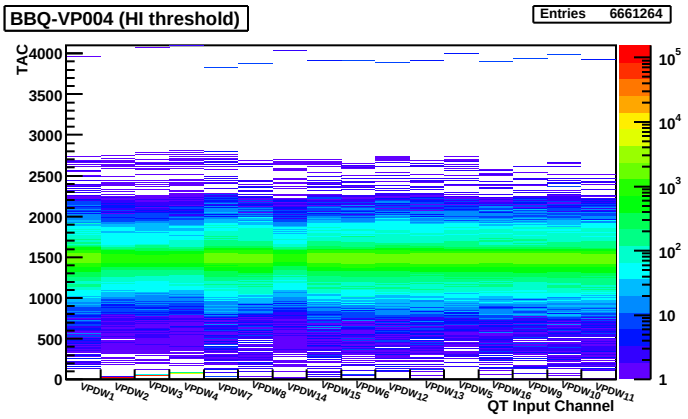

BBQ-VP002 (LO threshold)
Entries 6661264
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 6661264
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6661264
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 6661264
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6661264
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 6661264
TAC
QT Input Channel