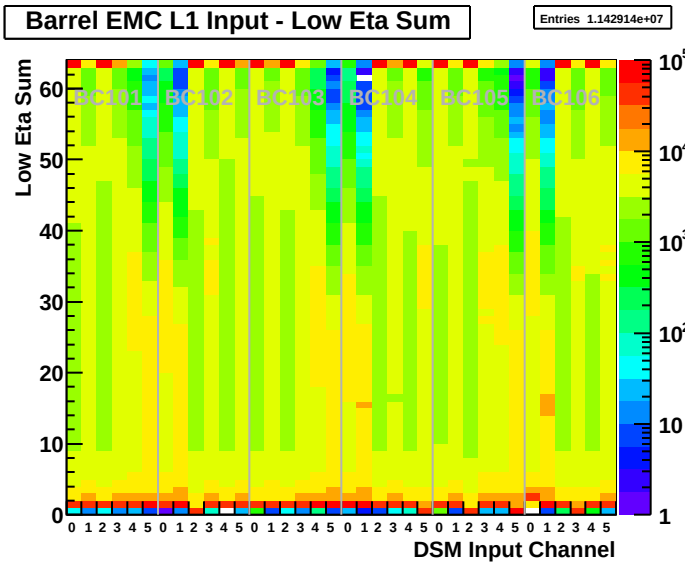
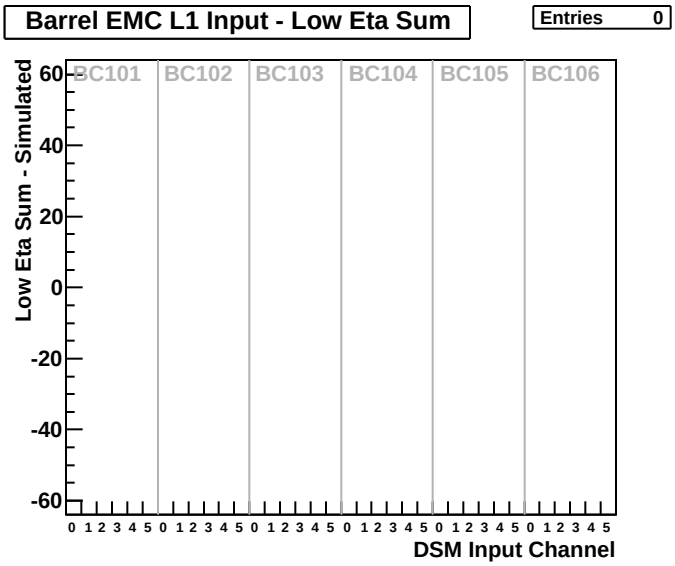
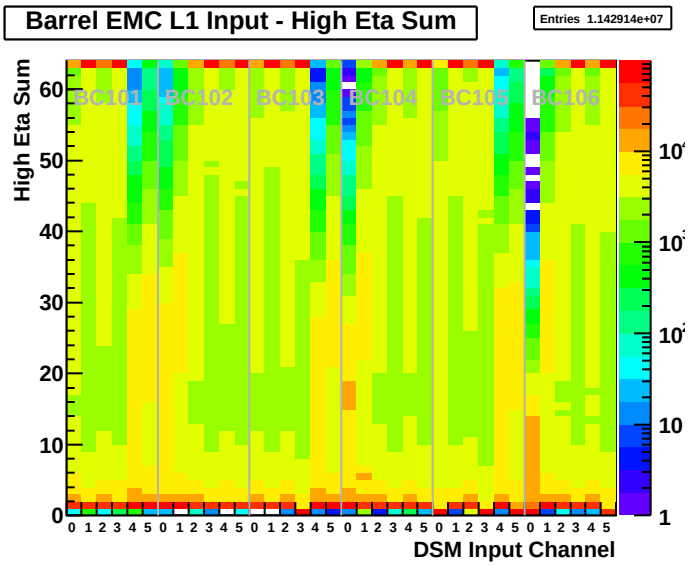
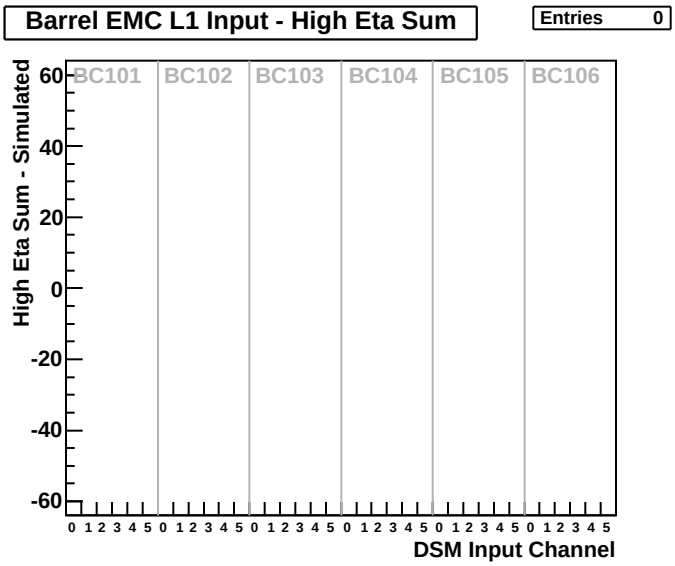
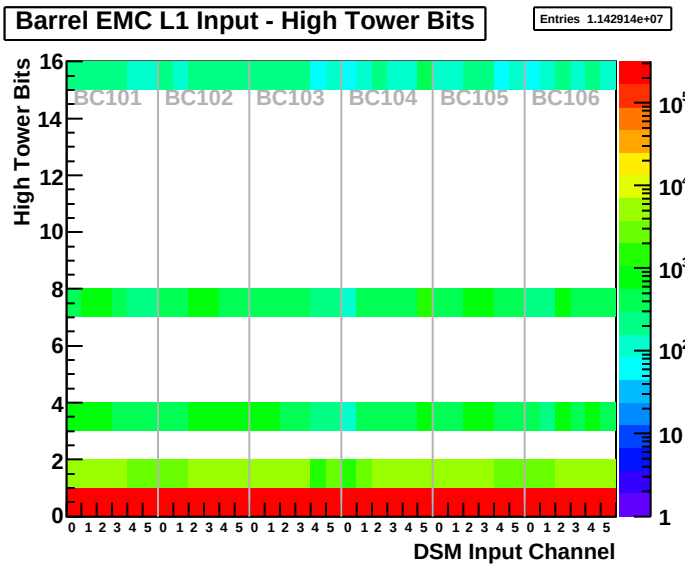
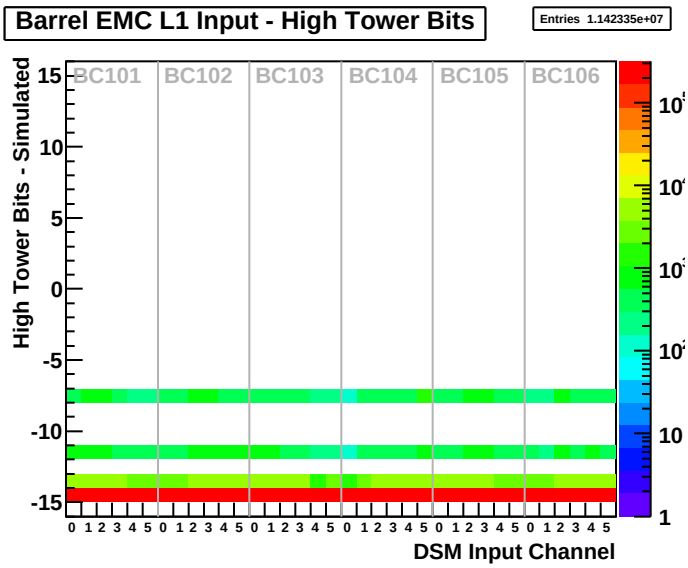

Barrel EMC L1 Input - Low Eta Sum
Entries 1.142914e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

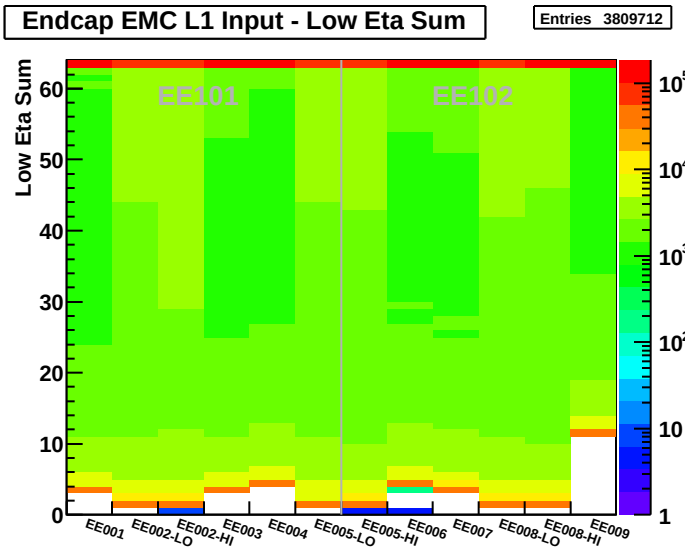

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

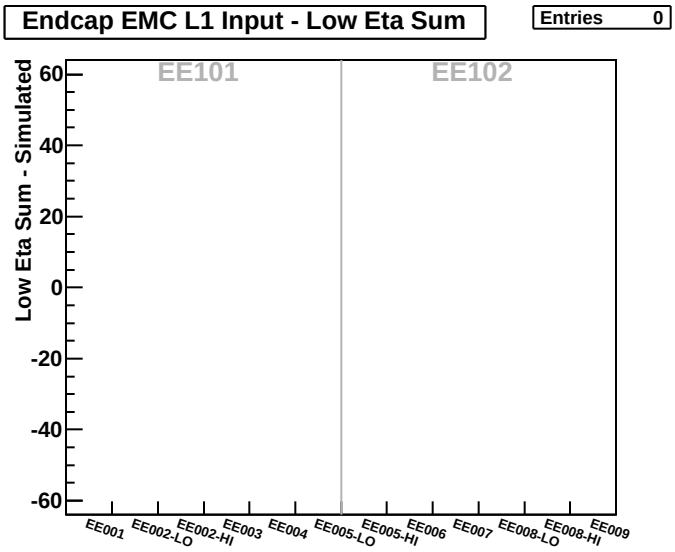

Barrel EMC L1 Input - High Eta Sum
Entries 1.142914e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

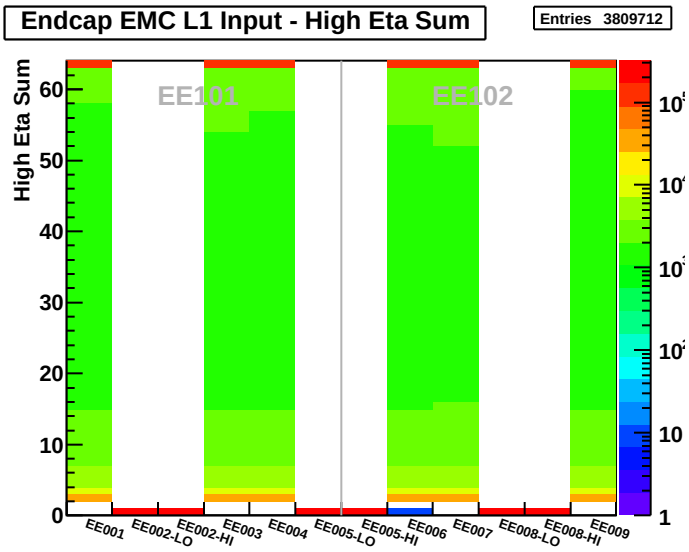

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

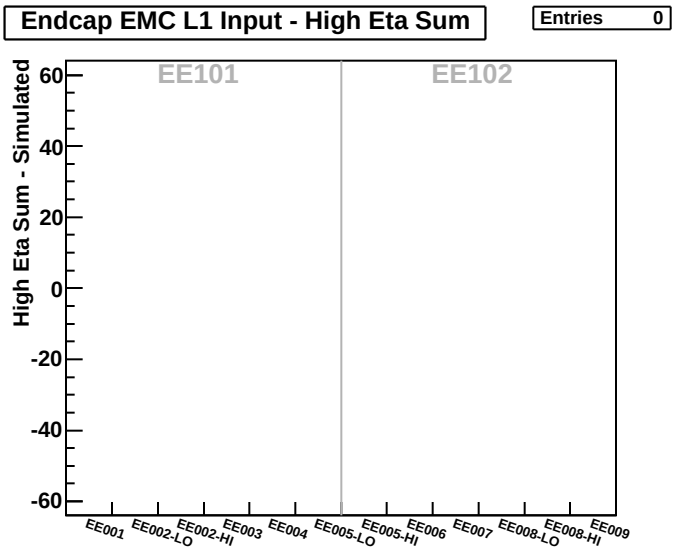

Barrel EMC L1 Input - High Tower Bits
Entries 1.142914e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

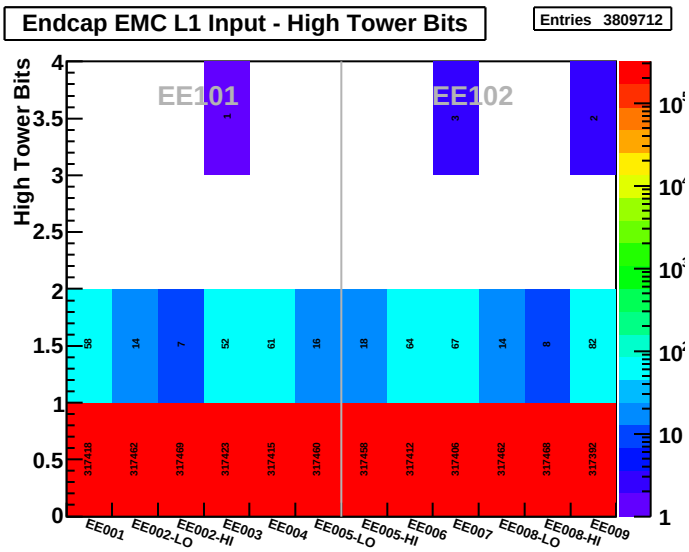

Barrel EMC L1 Input - High Tower Bits
Entries 1.142335e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

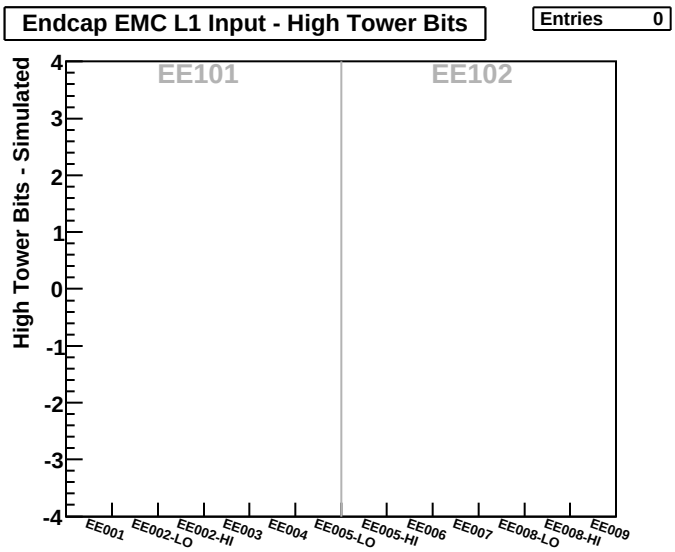

Endcap EMC L1 Input - Low Eta Sum
Entries 3809712
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

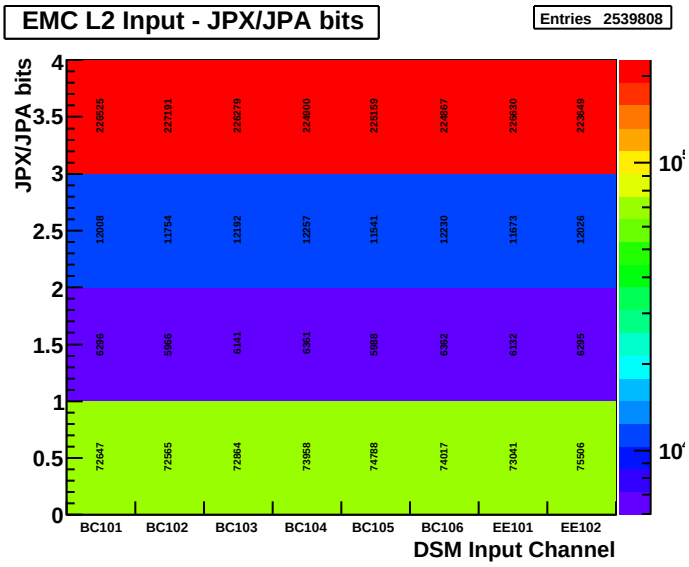

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

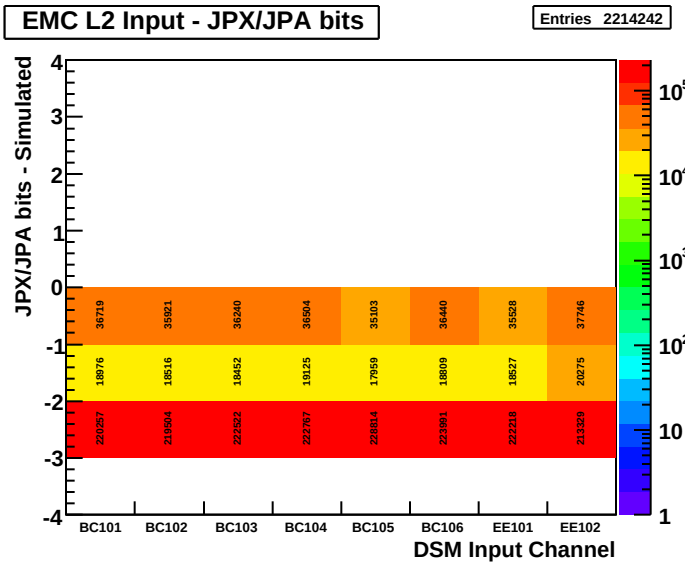

Endcap EMC L1 Input - High Eta Sum
Entries 3809712
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

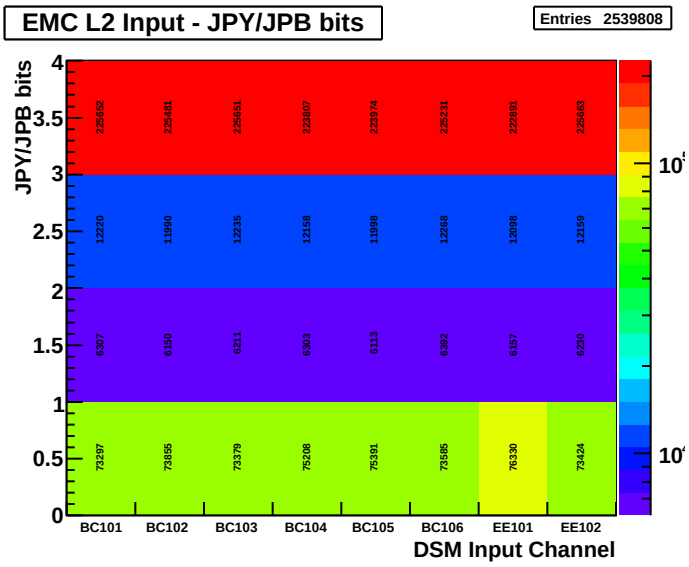

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

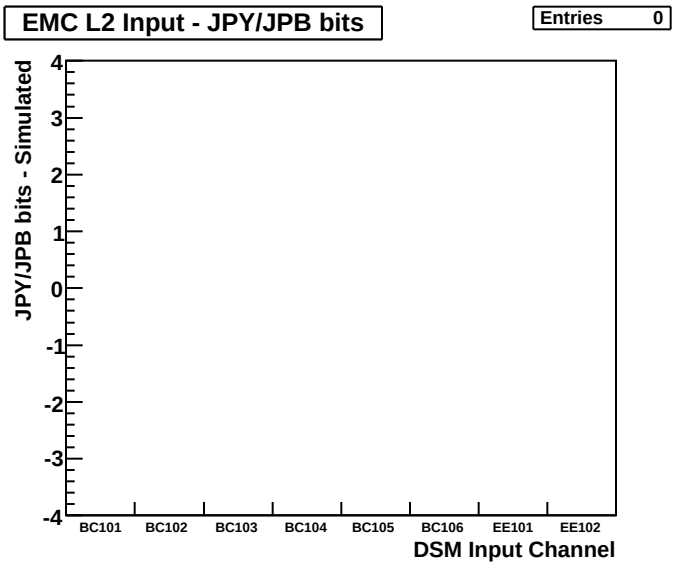

Endcap EMC L1 Input - High Tower Bits
Entries 3809712
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

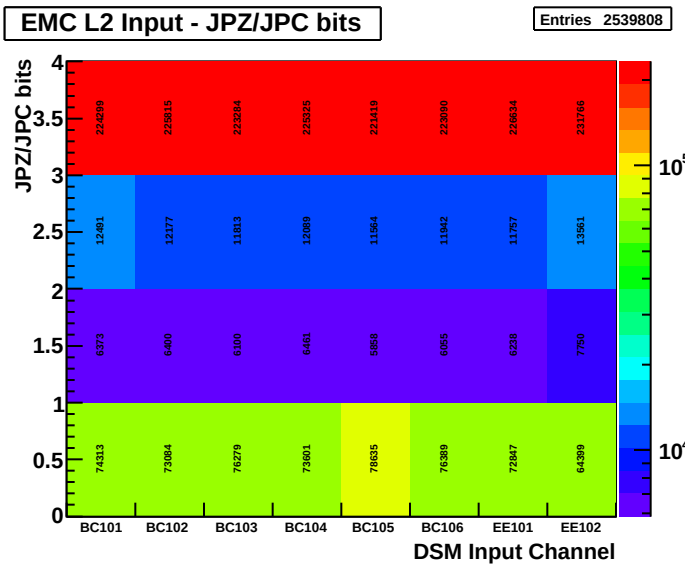

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

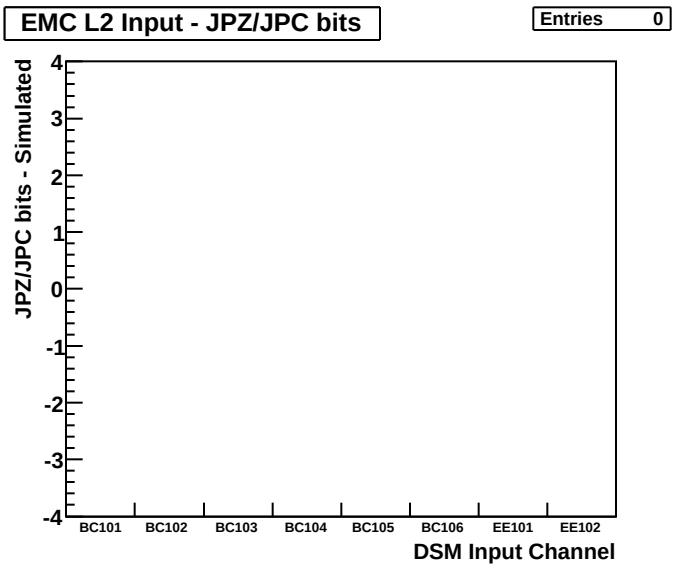

EMC L2 Input - JPX/JPA bits
Entries 2539808
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
226525 227191 226279 224900 225159 224867 226630 223849
12008 11754 12192 12257 11541 12230 11673 12026
6256 5866 6141 6361 5888 6362 6132 6295
72647 72565 72864 73958 74788 74017 73041 75506

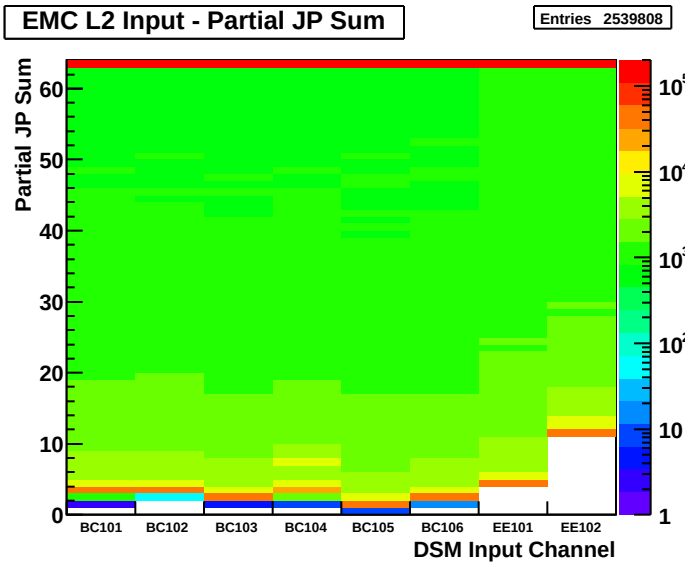

EMC L2 Input - JPX/JPA bits
Entries 2214242
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
35719 35921 36240 36504 35103 36440 35528 37746
18976 18516 18452 19125 17959 18809 18527 20275
220257 219504 222522 222767 228814 223991 222218 213329

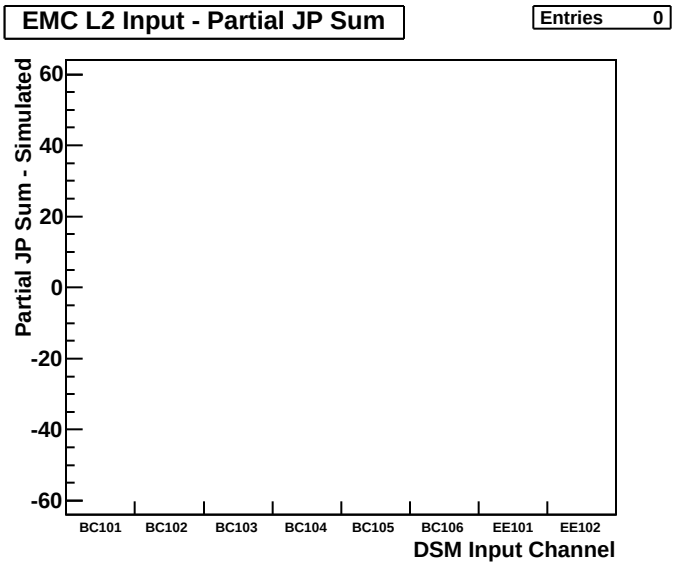

EMC L2 Input - JPY/JPB bits
Entries 2539808
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
225652 225481 225651 223807 223974 225231 222891 225663
12220 11990 12235 12158 11998 12268 12098 12159
6307 6150 6211 6203 6113 6392 6157 6230
73297 73855 73379 75208 75391 73585 76330 73424

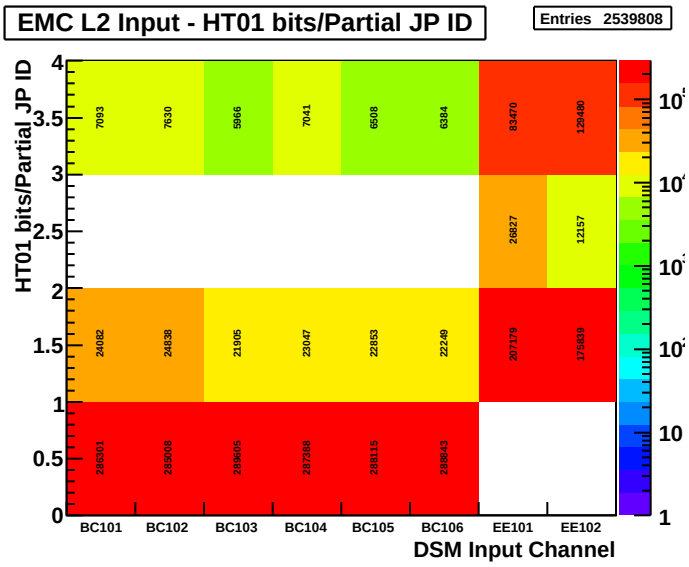

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

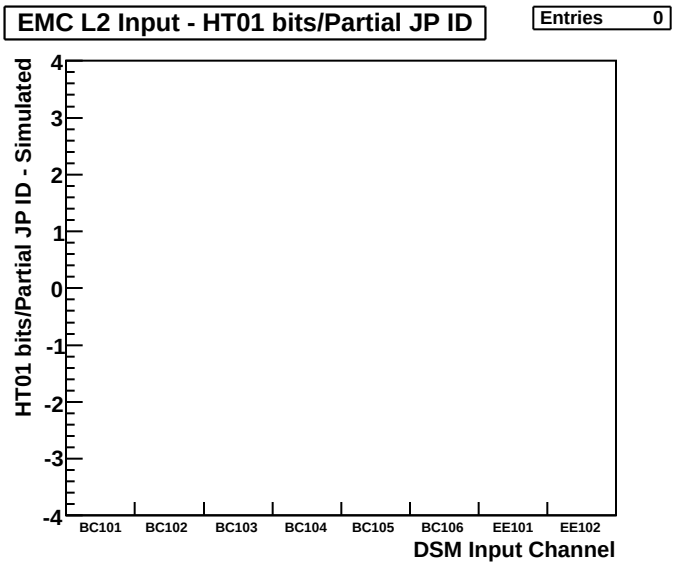

EMC L2 Input - JPZ/JPC bits
Entries 2539808
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
224299 223815 223284 223325 221419 223090 226634 231766
12491 12177 11813 12089 11564 11942 11757 13561
6373 6400 6100 6461 5868 6065 6238 7750
74313 73084 76279 73601 78635 76389 72847 64399

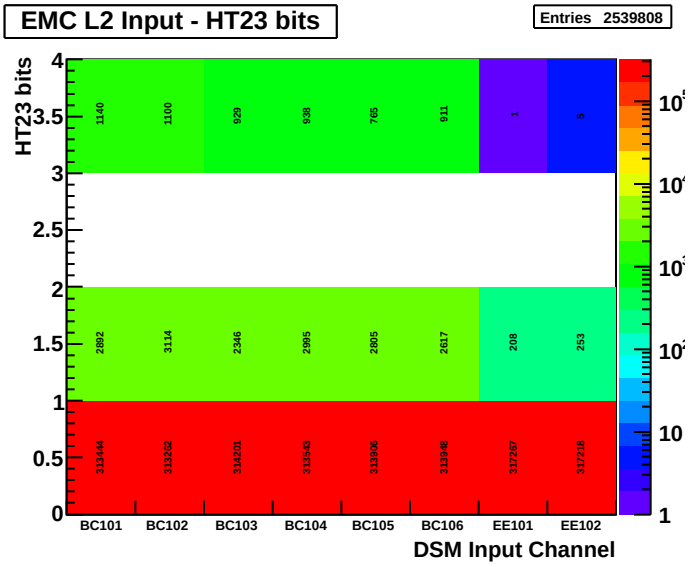

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

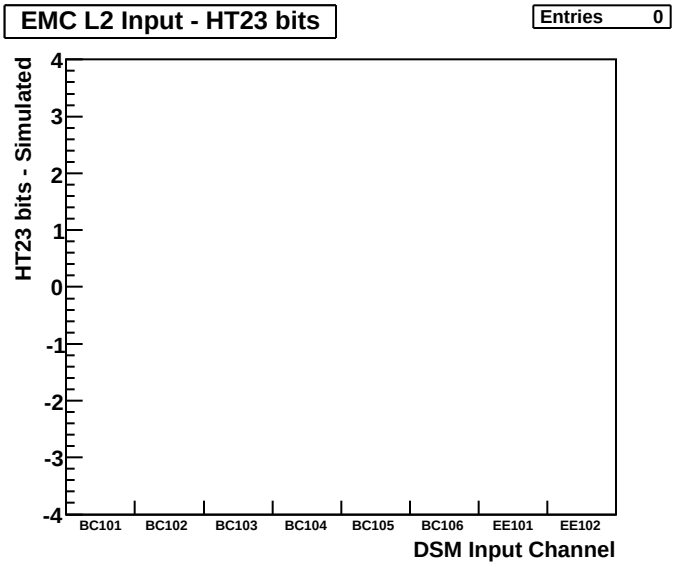

EMC L2 Input - Partial JP Sum
Entries 2539808
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

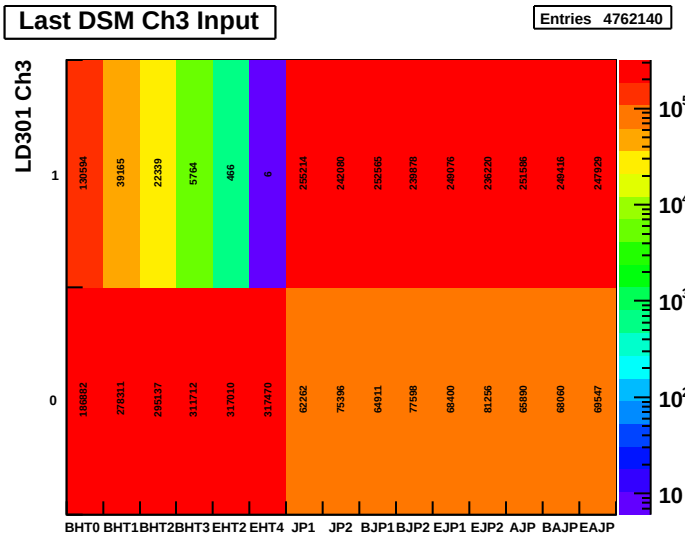

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

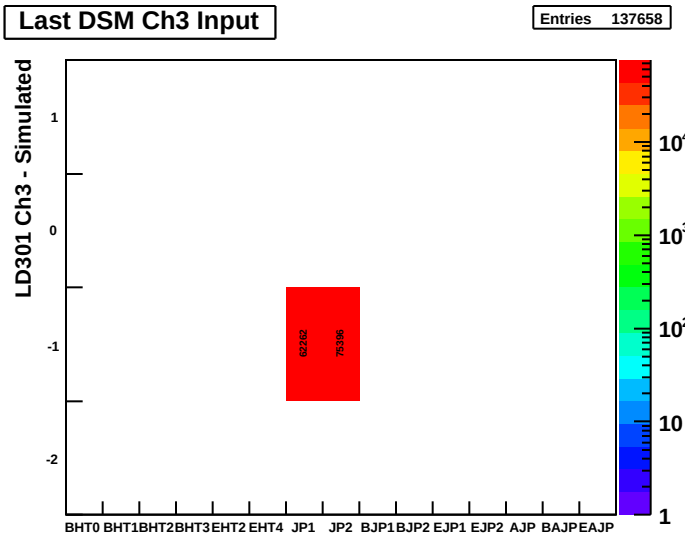

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2539808
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

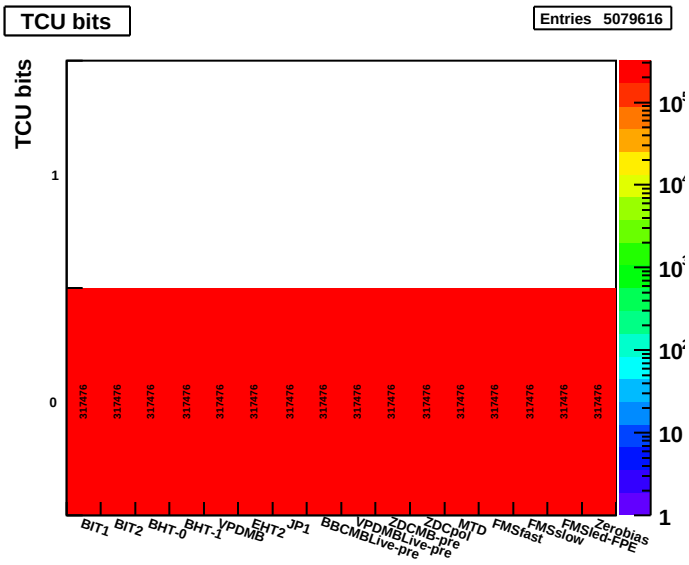

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

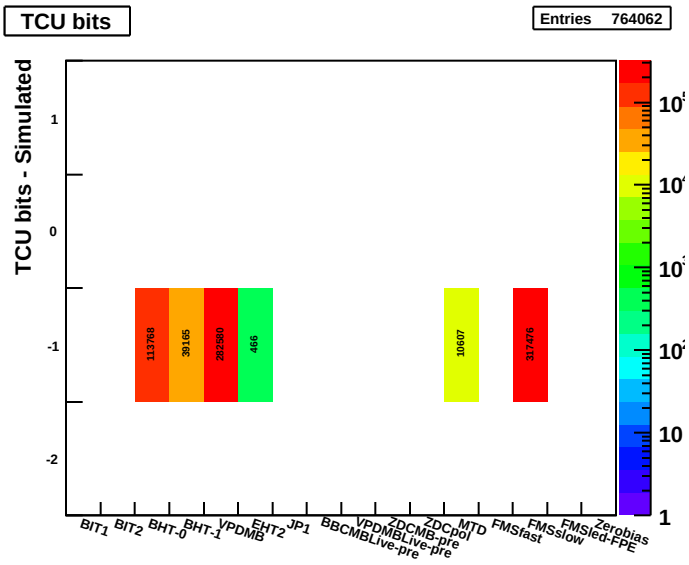

EMC L2 Input - HT23 bits
Entries 2539808
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

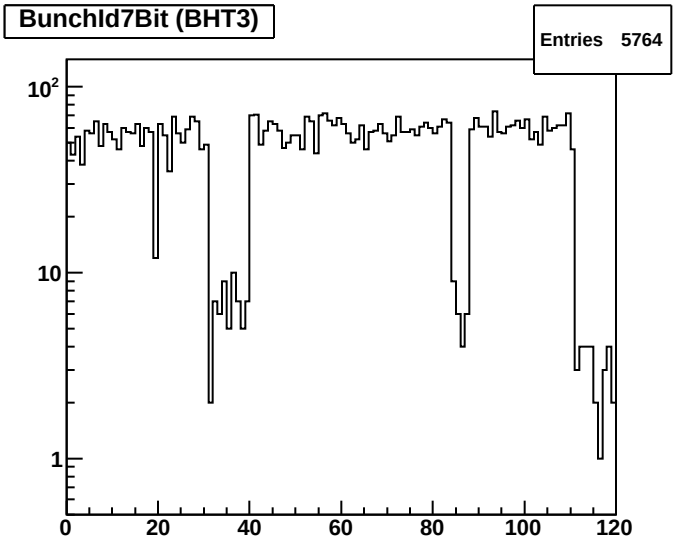

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

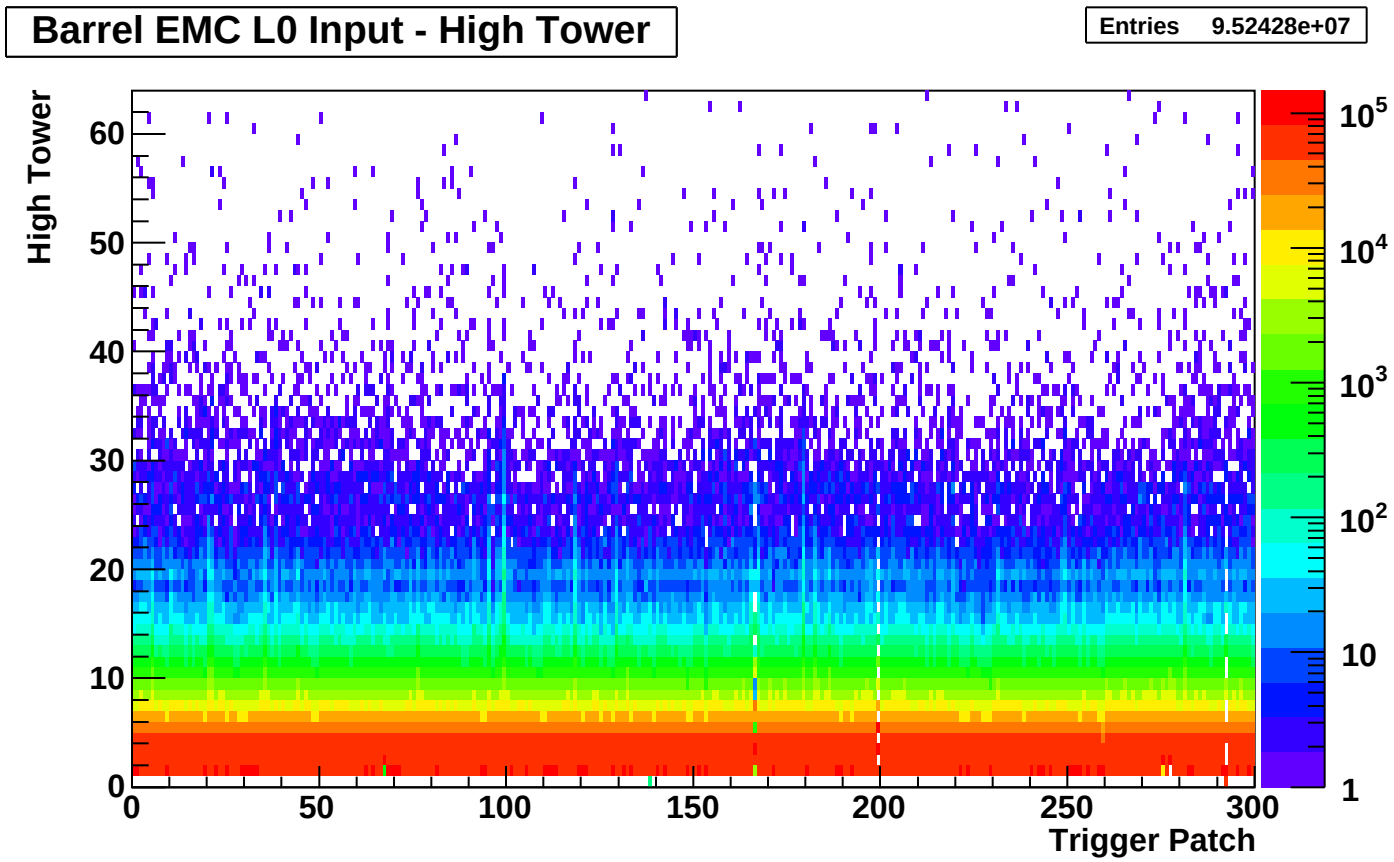

Last DSM Ch3 Input
Entries 4762140
LD301 Ch3
130594 39165 22339 5764 466 6 235214 242080 282565 239878 249076 236220 251586 248416 247929
186882 278311 295137 311712 317010 317470 62262 75396 64911 77598 68400 81256 65890 68060 69547
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

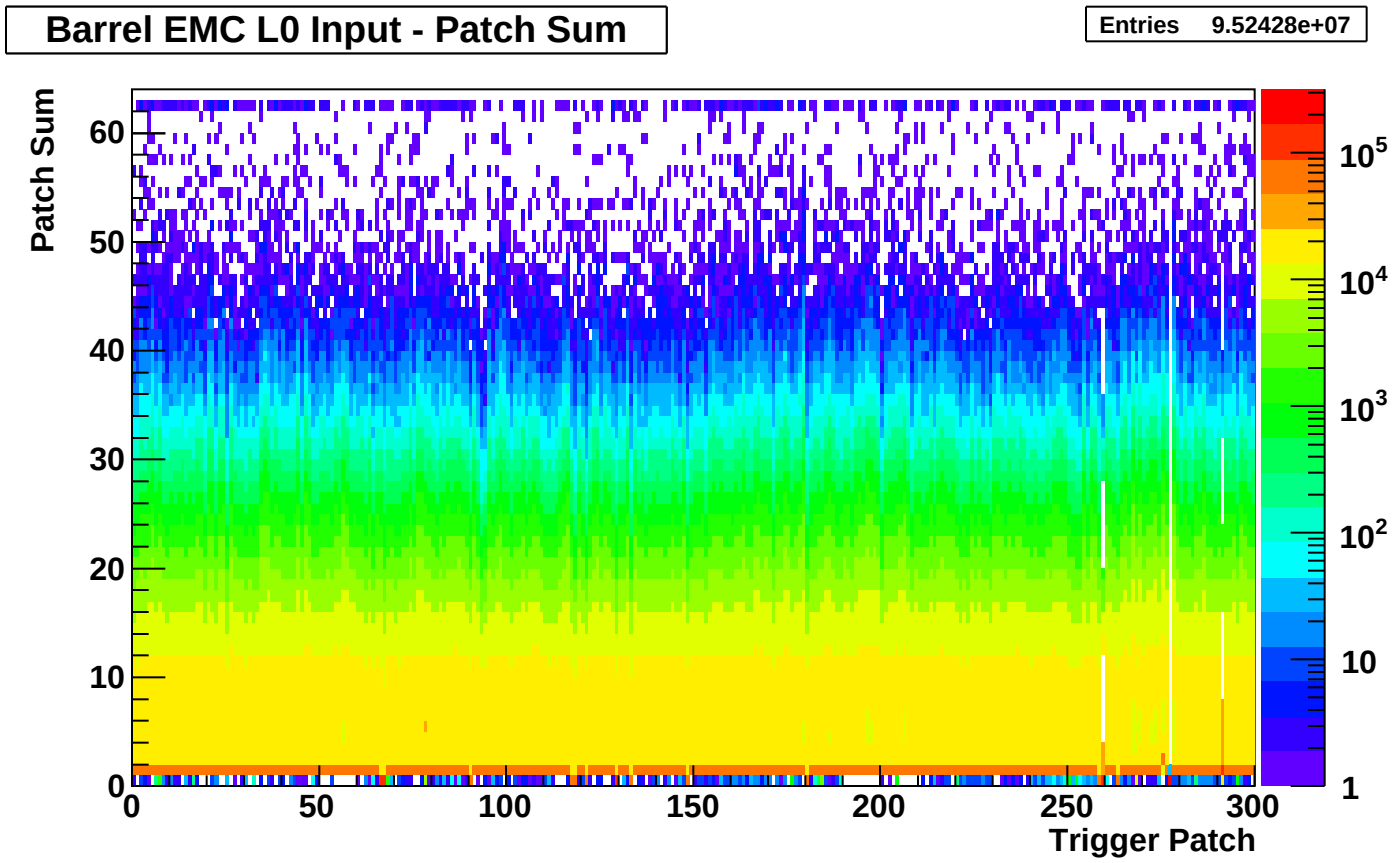

Last DSM Ch3 Input
Entries 137658
LD301 Ch3 - Simulated
62262 75396
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

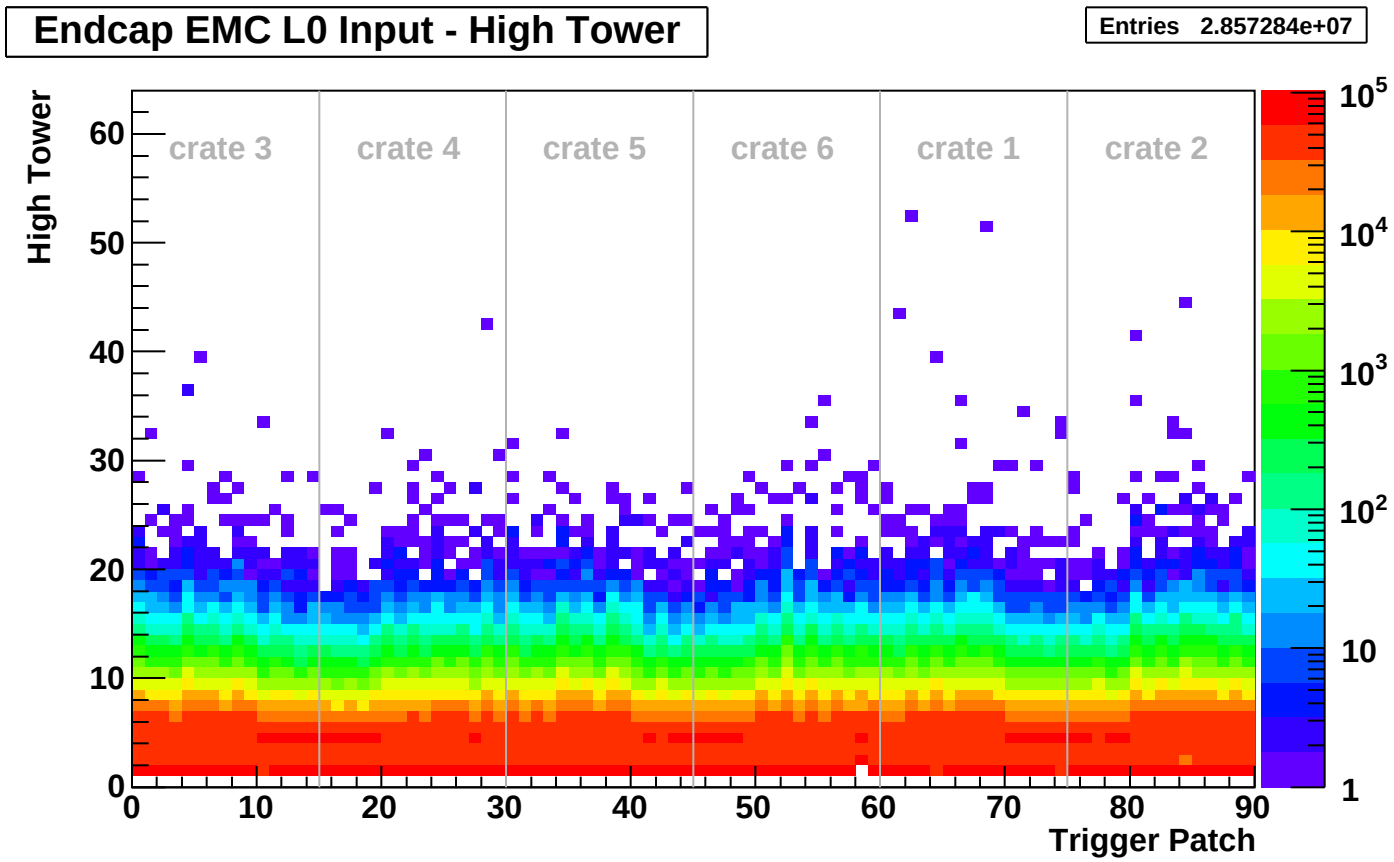

TCU bits
Entries 5079616
TCU bits
317476
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

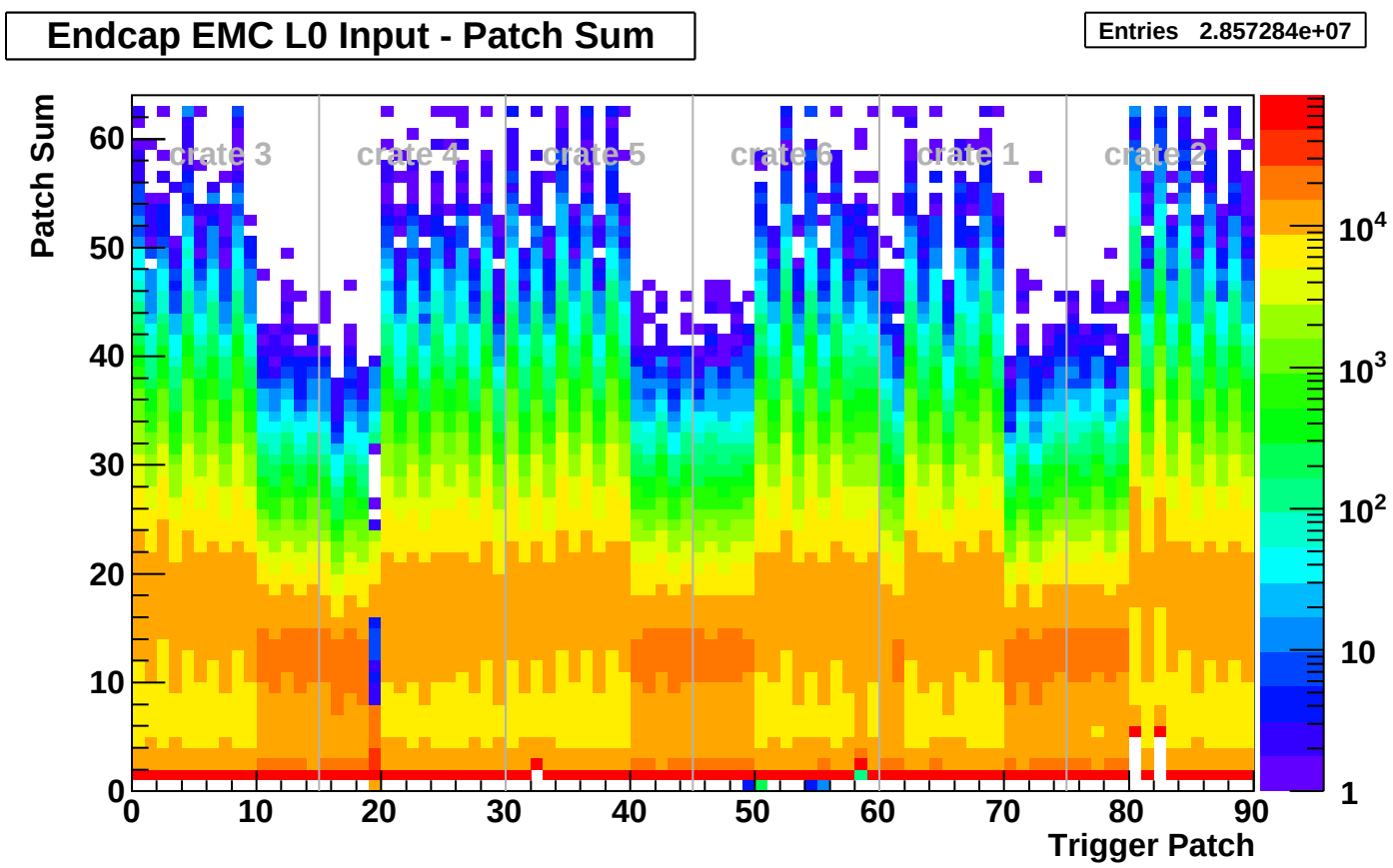

TCU bits
Entries 764062
TCU bits - Simulated
113768 39165 282580 466 10607 317476
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

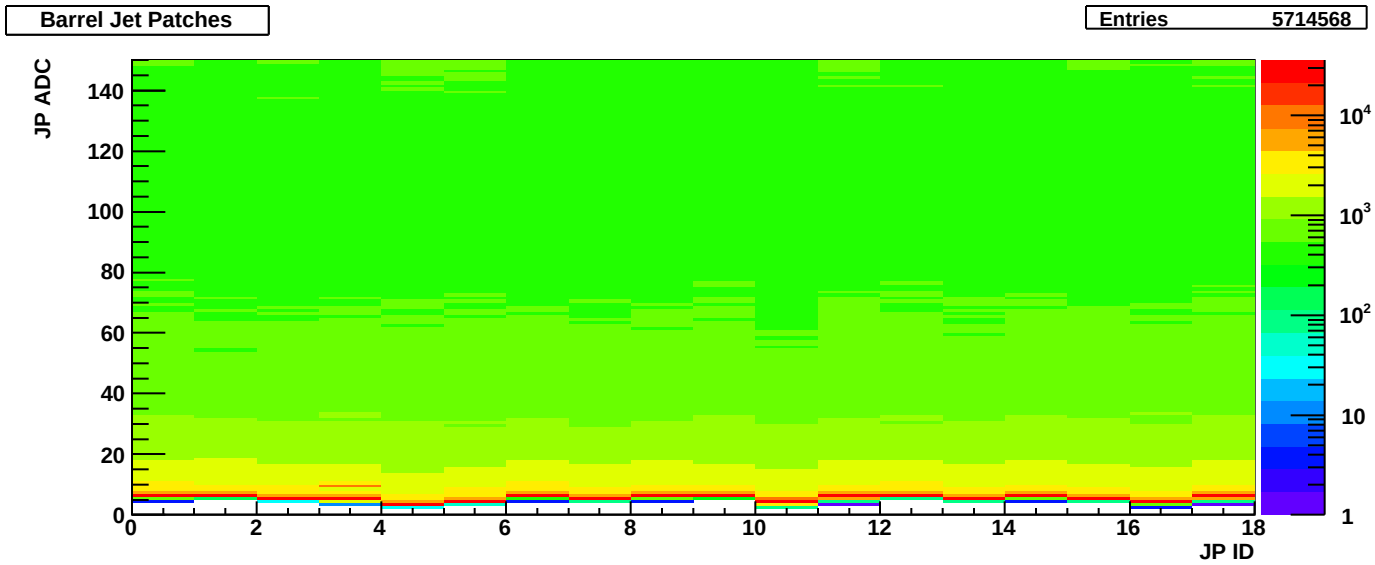

BunchId7Bit (BHT3)
Entries 5764

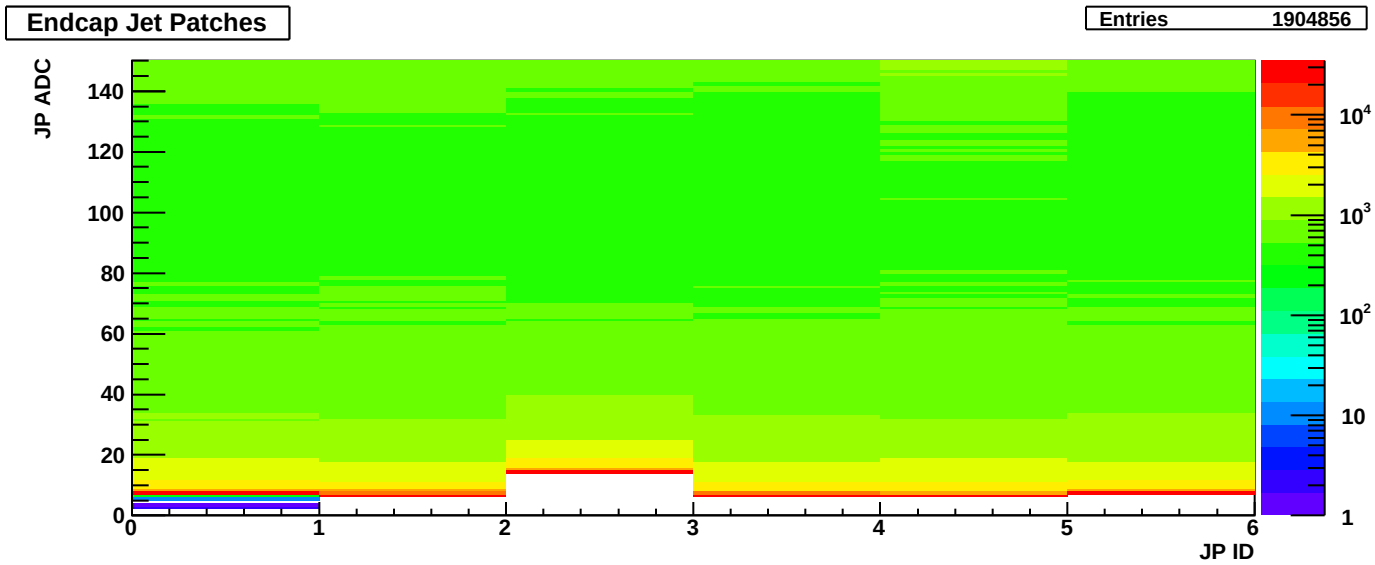

Barrel EMC L0 Input - High Tower
Entries 9.52428e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

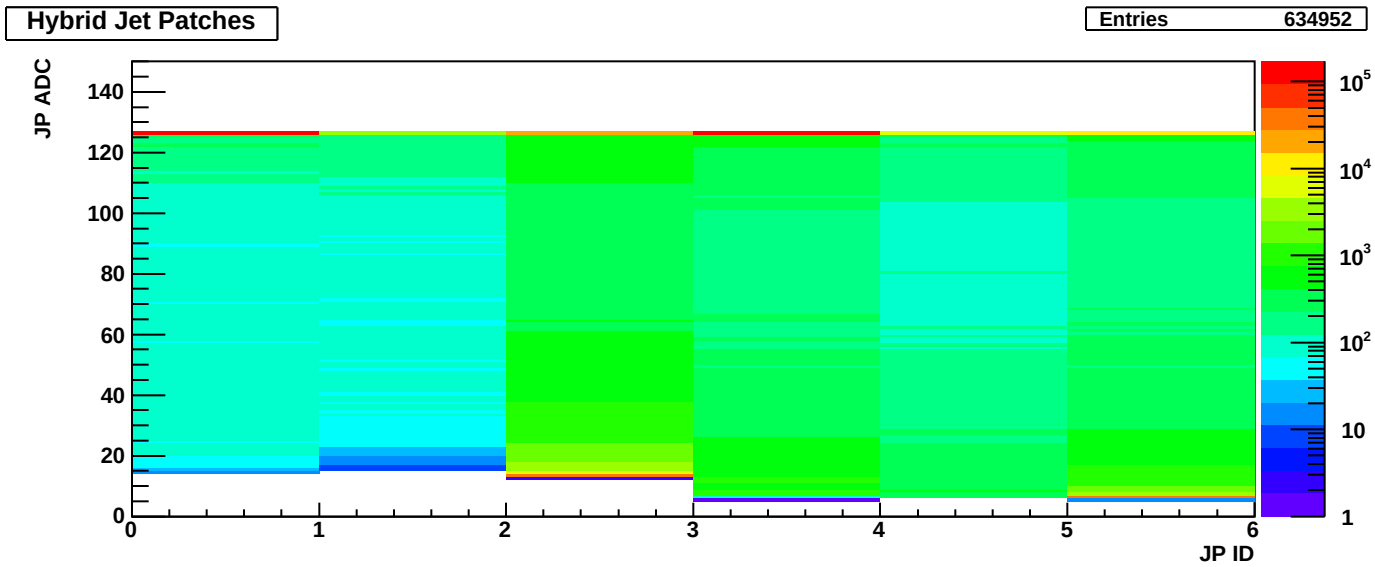

Barrel EMC L0 Input - Patch Sum
Entries 9.52428e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

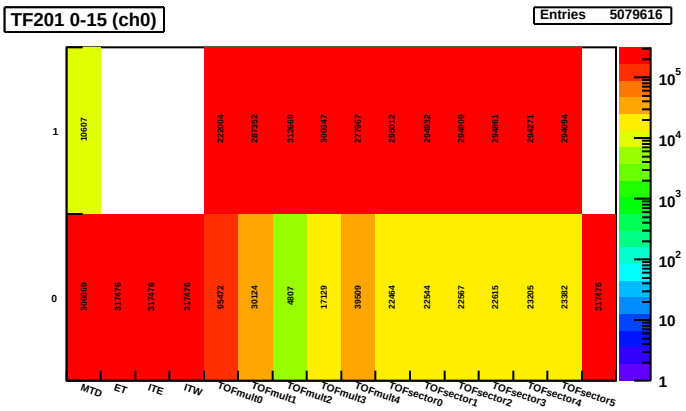

Endcap EMC L0 Input - High Tower
Entries 2.857284e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

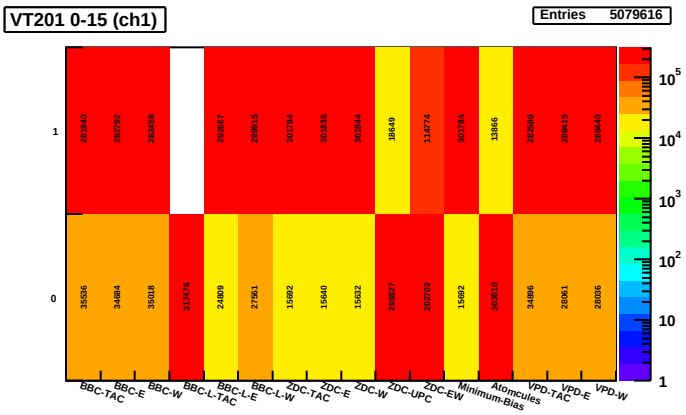

Endcap EMC L0 Input - Patch Sum
Entries 2.857284e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

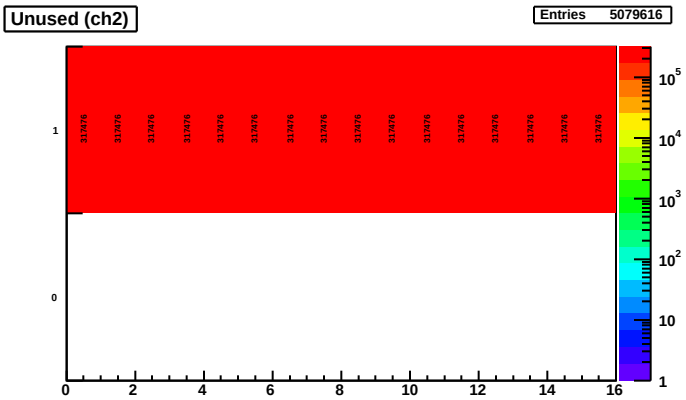

Barrel Jet Patches
Entries 5714568
JP ADC
JP ID

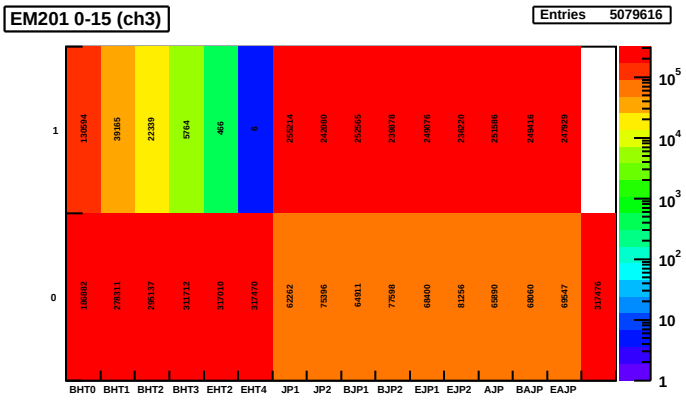

Endcap Jet Patches
Entries 1904856
JP ADC
JP ID

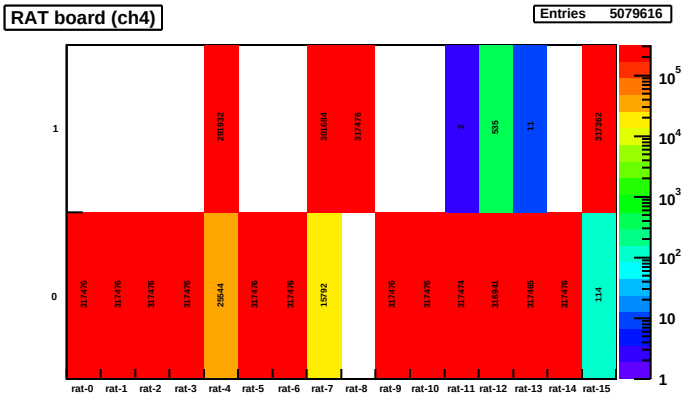

Hybrid Jet Patches
Entries 634952
JP ADC
JP ID

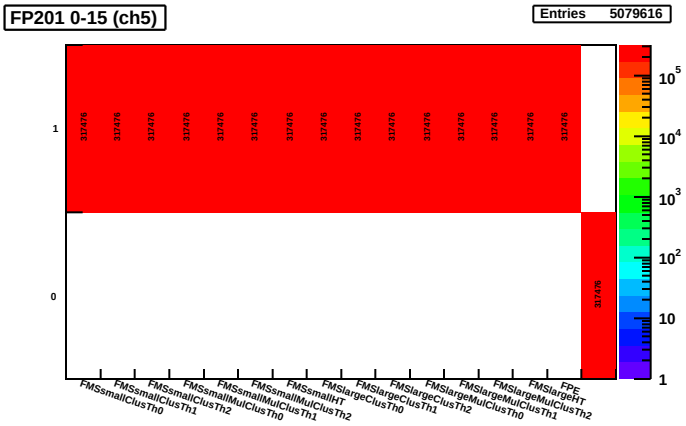

TF201 0-15 (ch0)
Entries 5079616
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

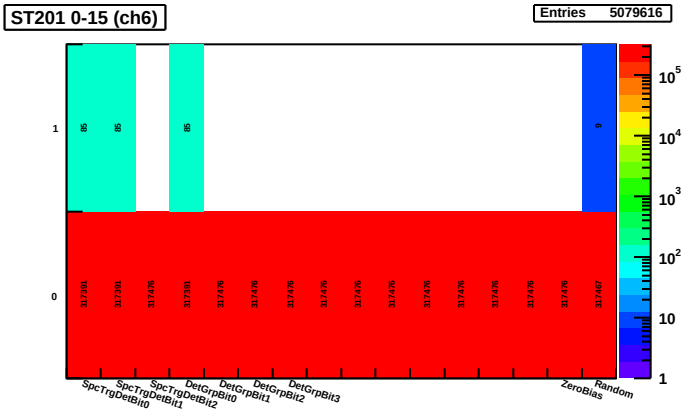

VT201 0-15 (ch1)
Entries 5079616
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

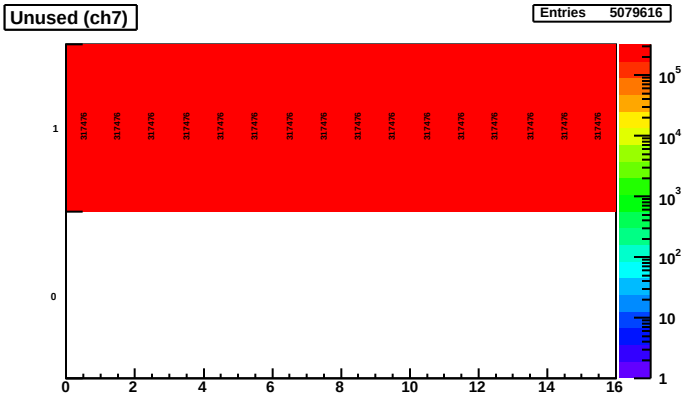

Unused (ch2)
Entries 5079616

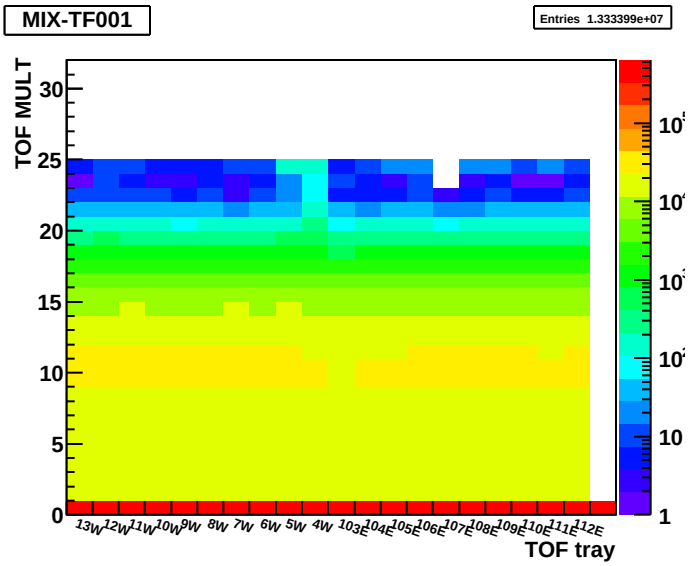

EM201 0-15 (ch3)
Entries 5079616
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

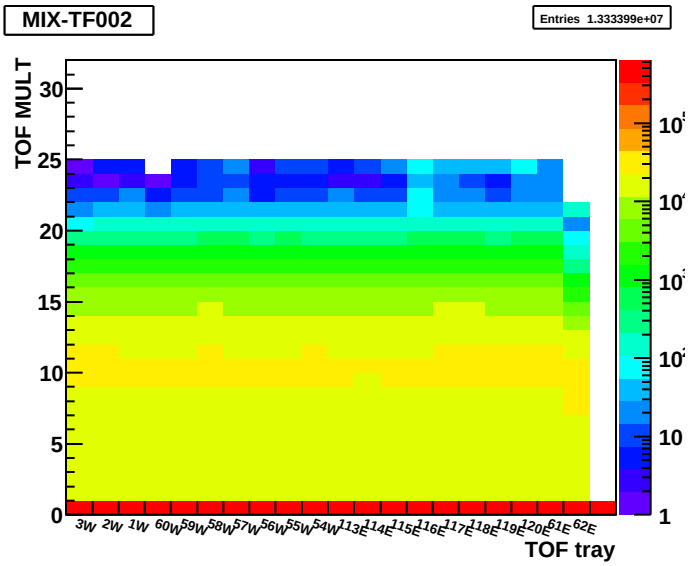

RAT board (ch4)
Entries 5079616
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

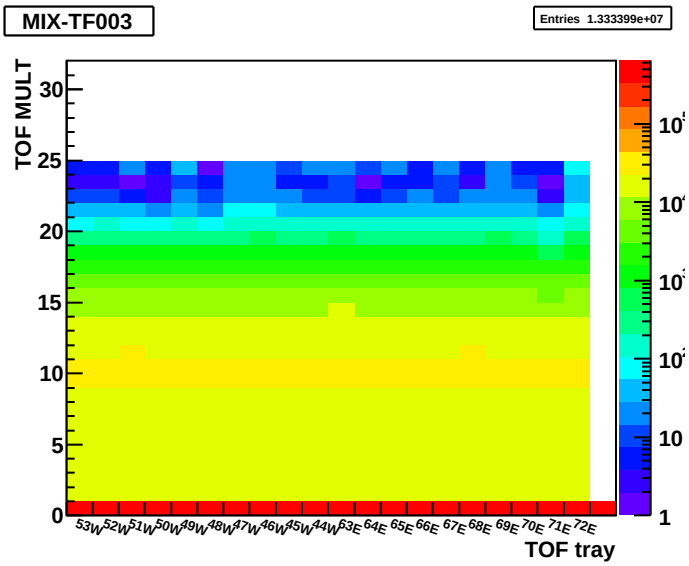

FP201 0-15 (ch5)
Entries 5079616
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

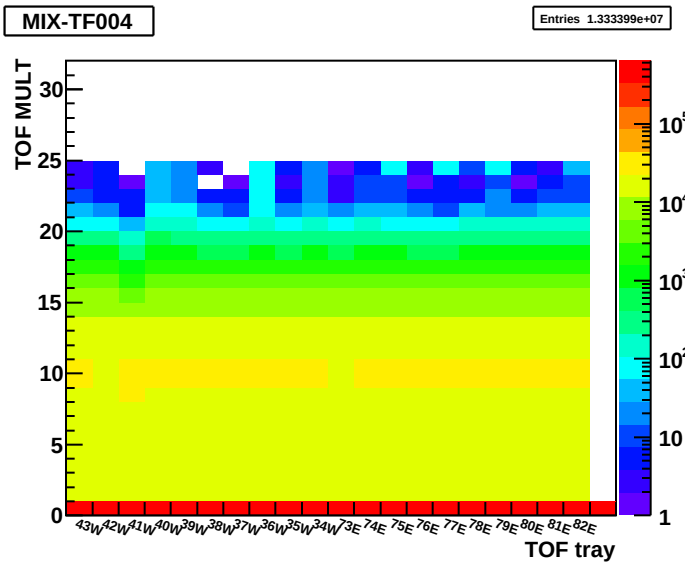

ST201 0-15 (ch6)
Entries 5079616
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetGrpBit0
DetGrpBit1
DetGrpBit2
DetGrpBit3
ZeroBias
Random

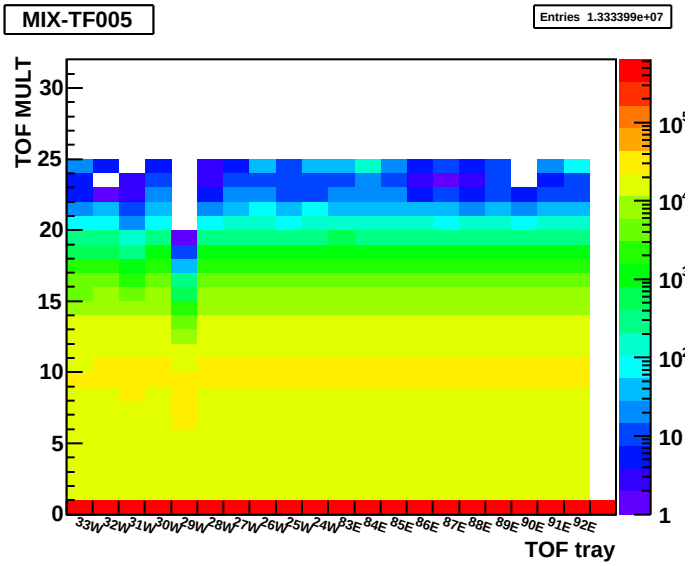

Unused (ch7)
Entries 5079616

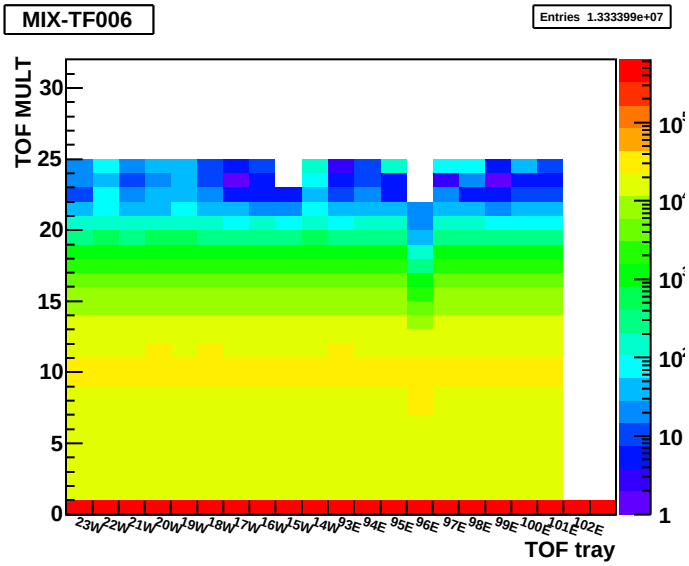

MIX-TF001
Entries 1.333399e+07
TOF MULT
TOF tray

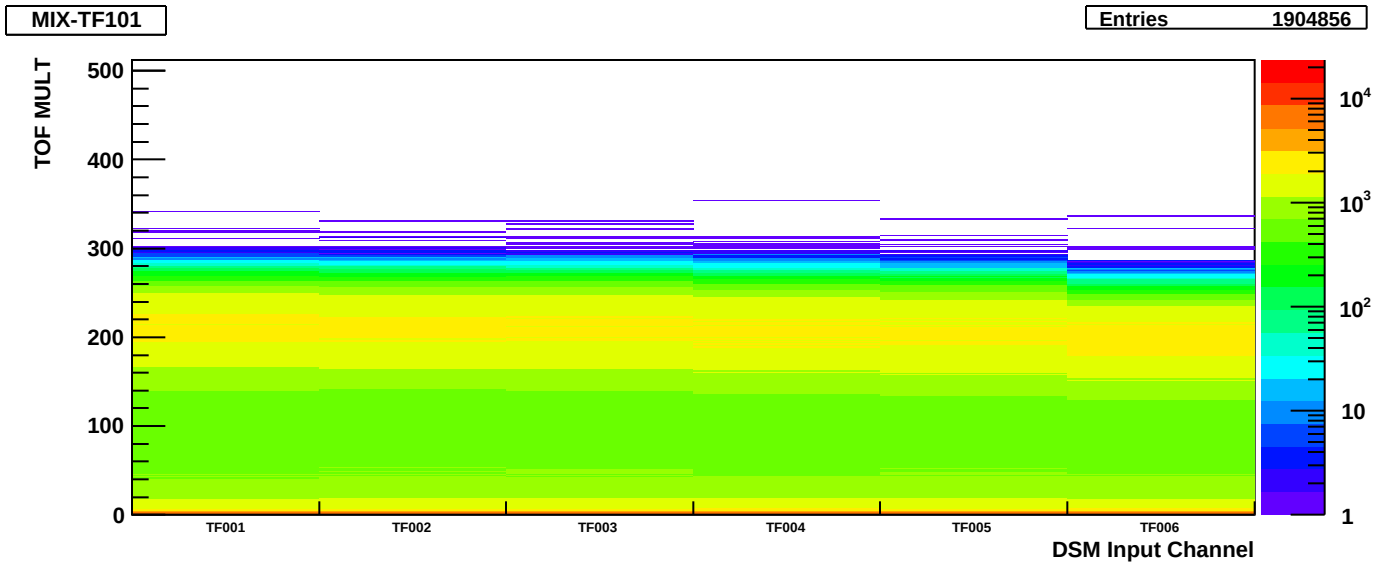

MIX-TF002
Entries 1.333399e+07
TOF MULT
TOF tray

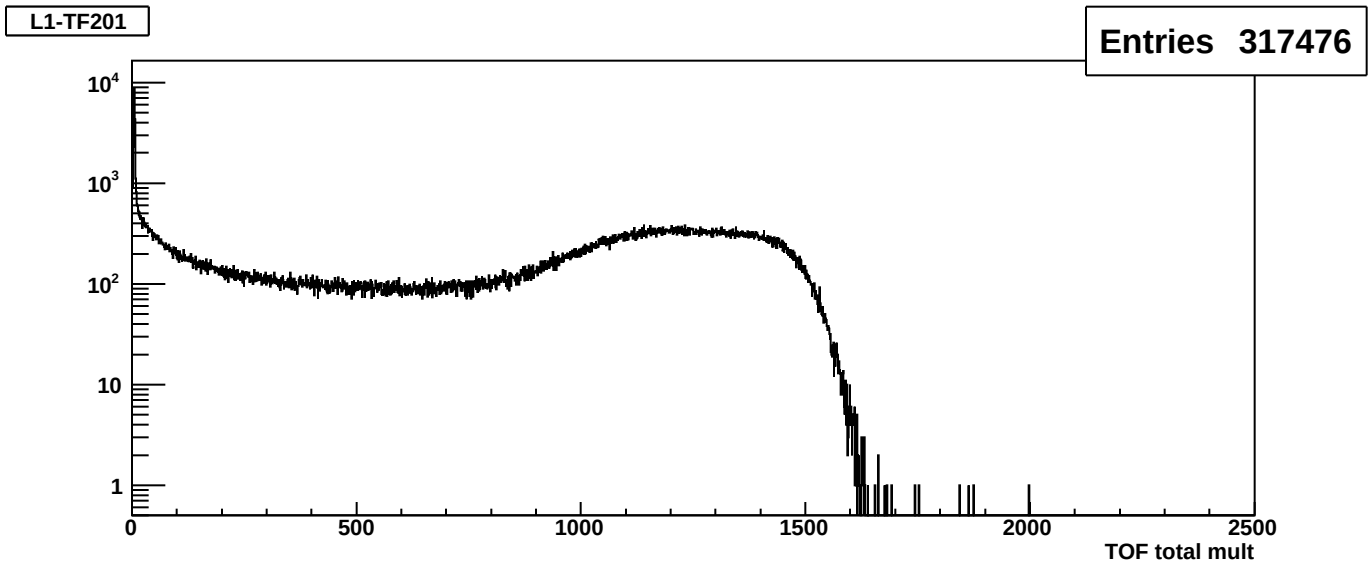

MIX-TF003
Entries 1.333399e+07
TOF MULT
TOF tray

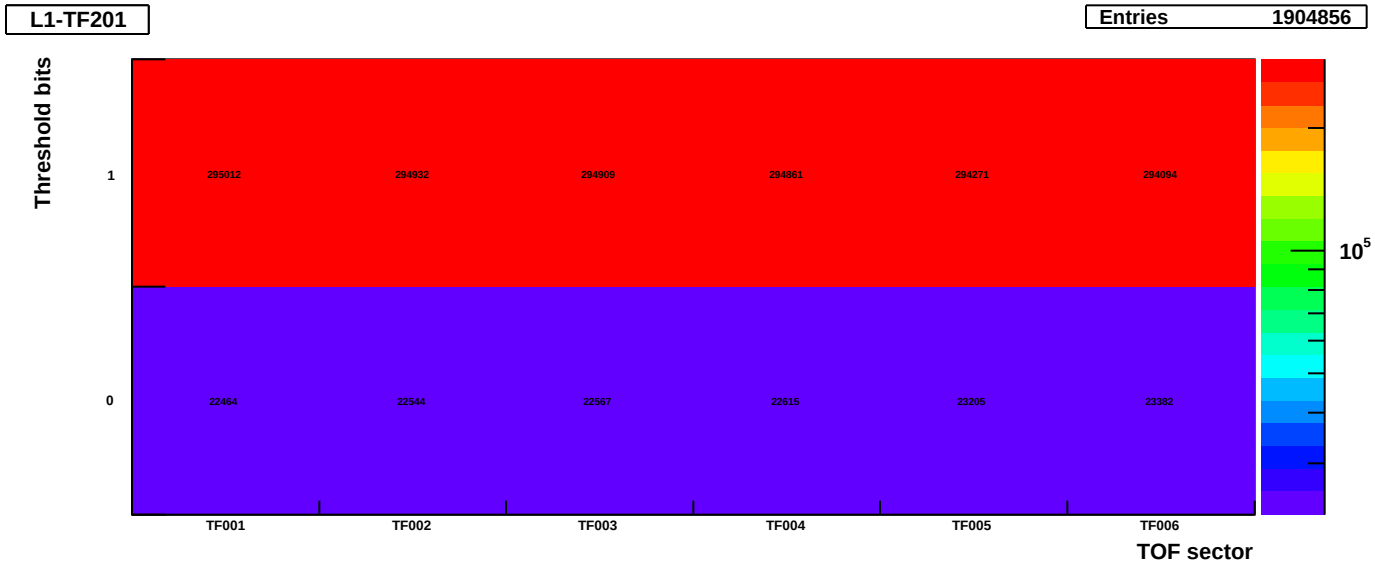

MIX-TF004
Entries 1.333399e+07
TOF MULT
TOF tray

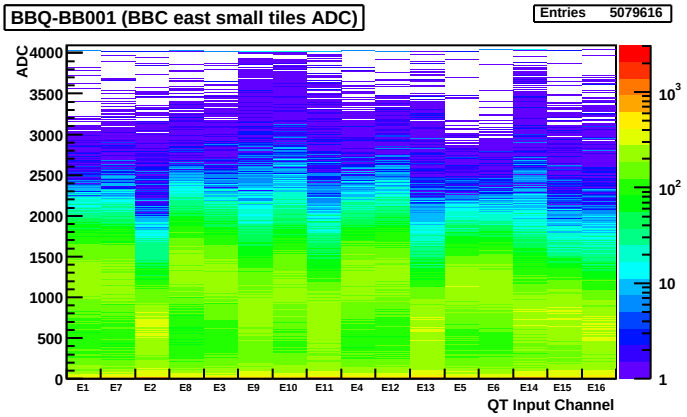

MIX-TF005
Entries 1.333399e+07
TOF MULT
TOF tray

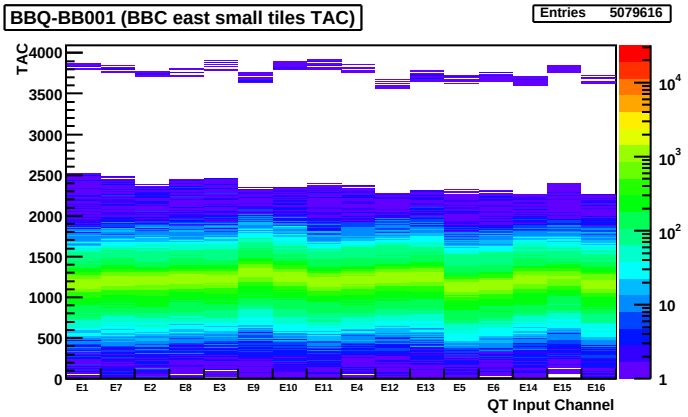

MIX-TF006
Entries 1.333399e+07
TOF MULT
TOF tray

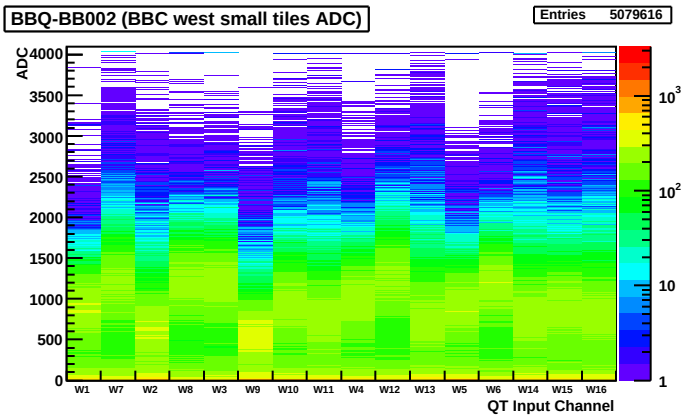

MIX-TF101
Entries 1904856
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

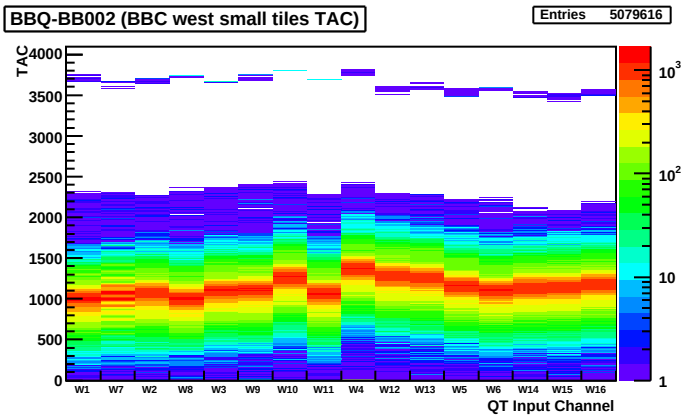

L1-TF201
Entries 317476
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

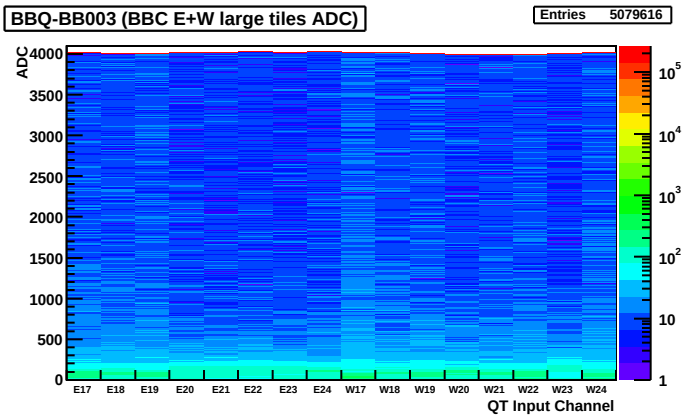

L1-TF201
Entries 1904856
Threshold bits
1
0
295012
294932
294909
294861
294271
294094
22464
22544
22567
22615
23205
23382
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

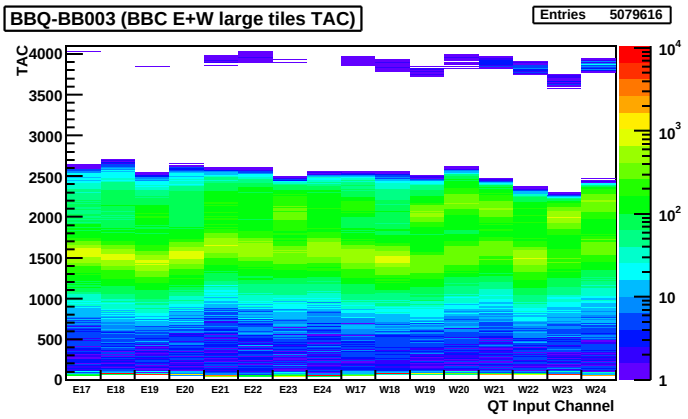

BBQ-BB001 (BBC east small tiles ADC)
Entries 5079616
ADC
QT Input Channel

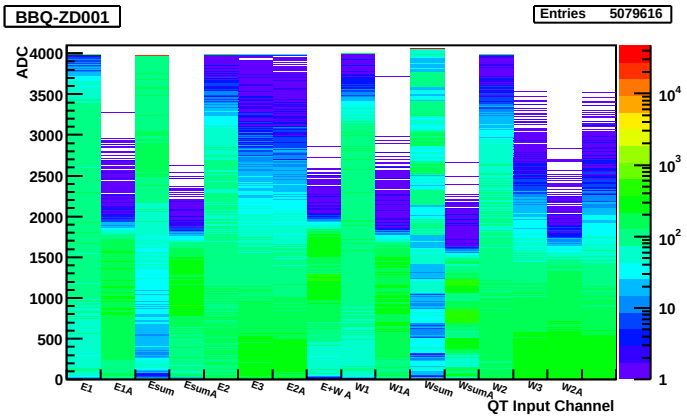

BBQ-BB001 (BBC east small tiles TAC)
Entries 5079616
TAC
QT Input Channel

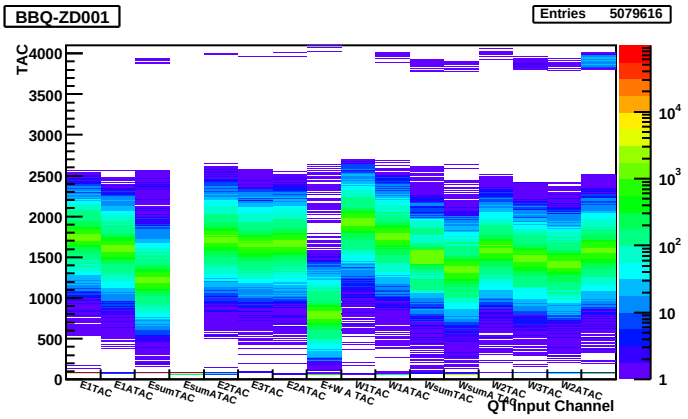

BBQ-BB002 (BBC west small tiles ADC)
Entries 5079616
ADC
QT Input Channel

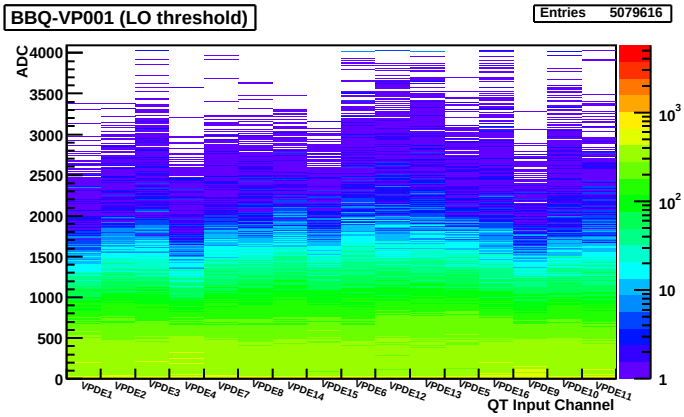

BBQ-BB002 (BBC west small tiles TAC)
Entries 5079616
TAC
QT Input Channel

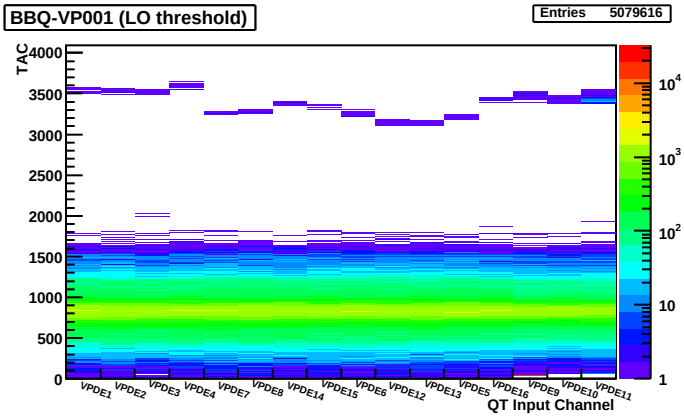

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5079616
ADC
QT Input Channel

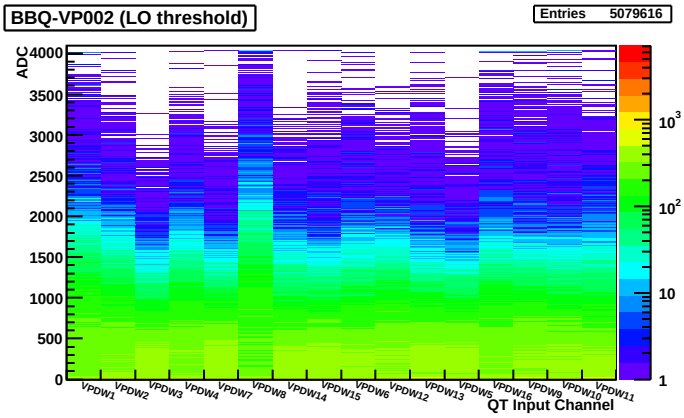

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5079616
TAC
QT Input Channel

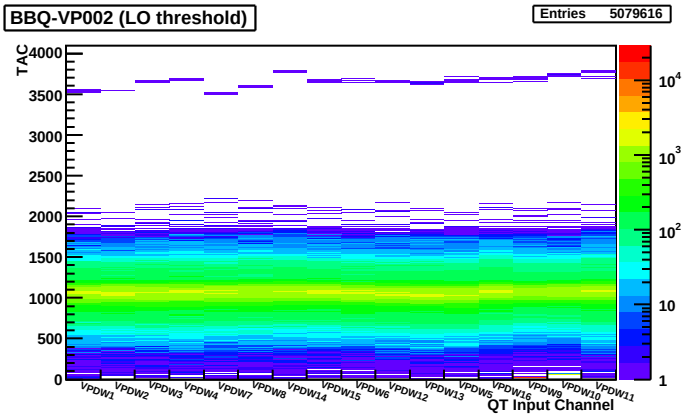

BBQ-ZD001
Entries 5079616
ADC
QT Input Channel

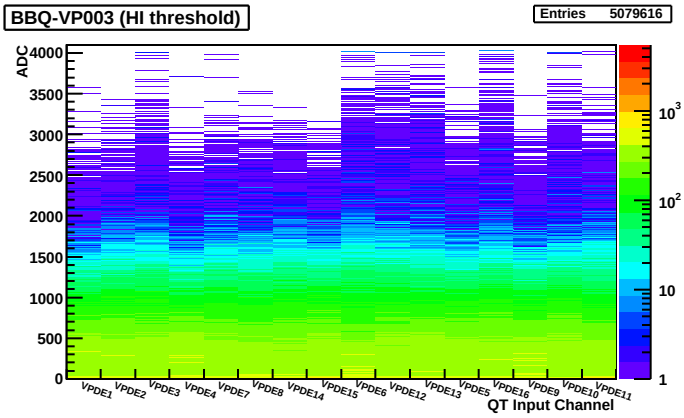

BBQ-ZD001
Entries 5079616
TAC
QT Input Channel

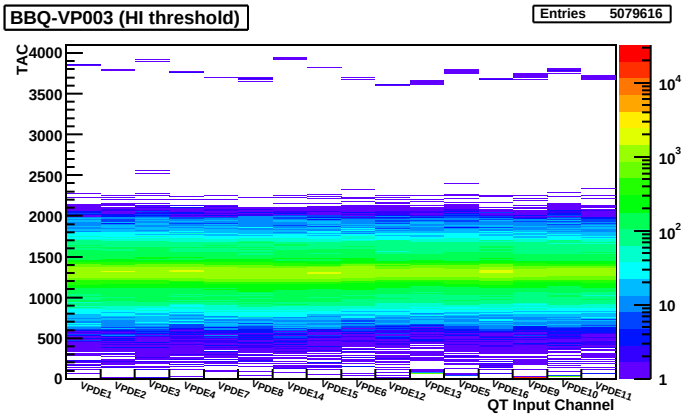

BBQ-VP001 (LO threshold)
Entries 5079616
ADC
QT Input Channel

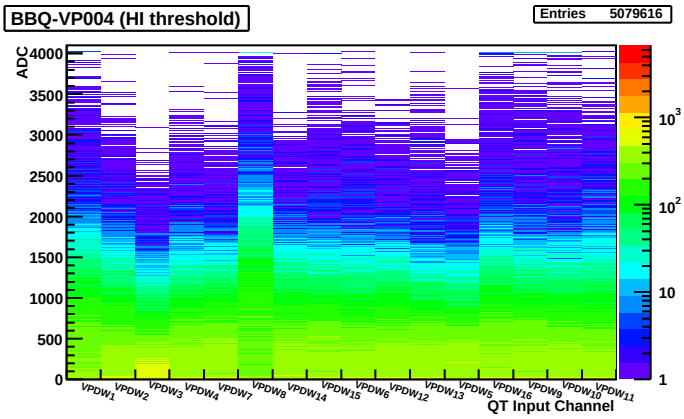

BBQ-VP001 (LO threshold)
Entries 5079616
TAC
QT Input Channel

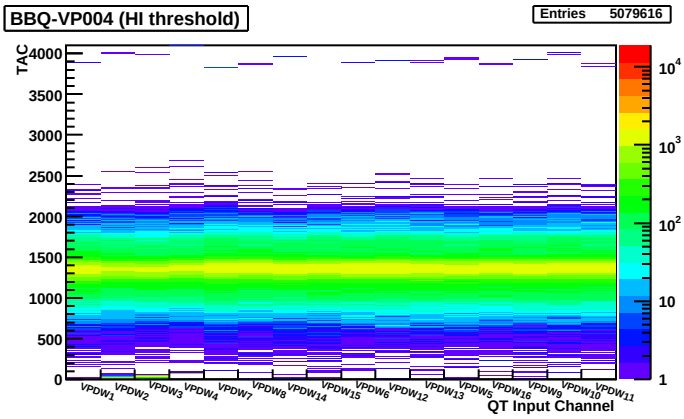

BBQ-VP002 (LO threshold)
Entries 5079616
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 5079616
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5079616
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5079616
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5079616
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5079616
TAC
QT Input Channel