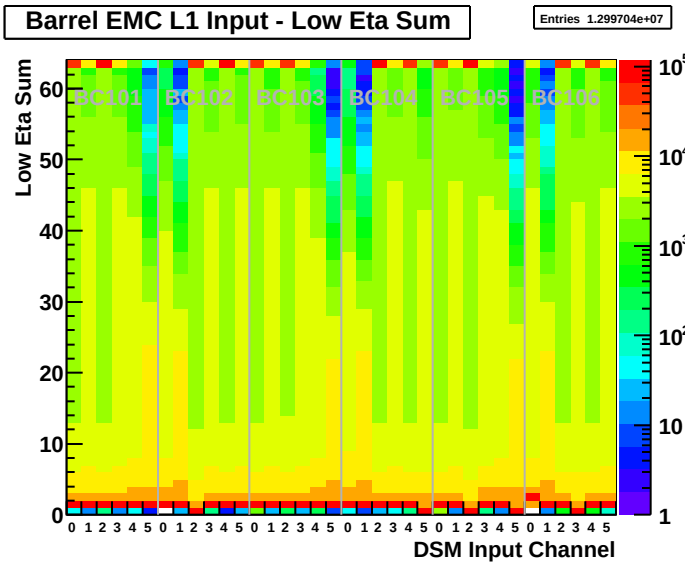
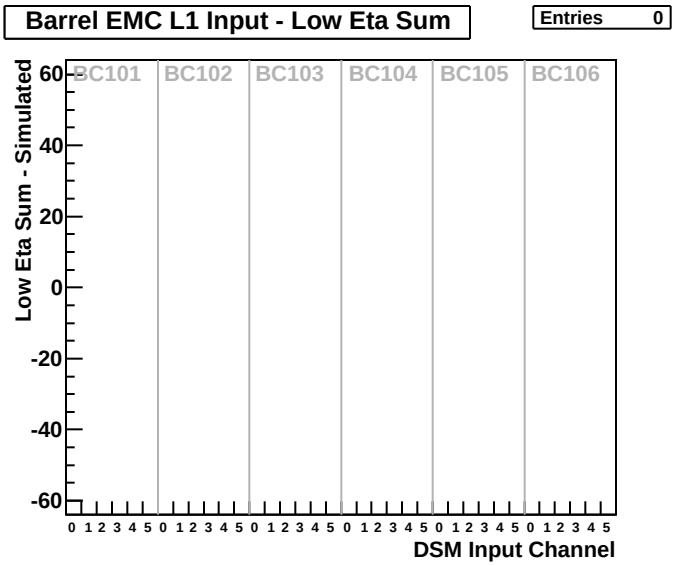
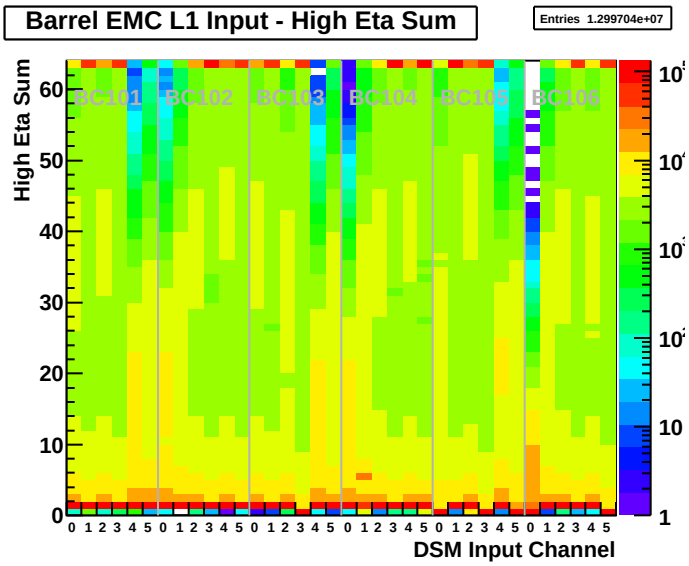
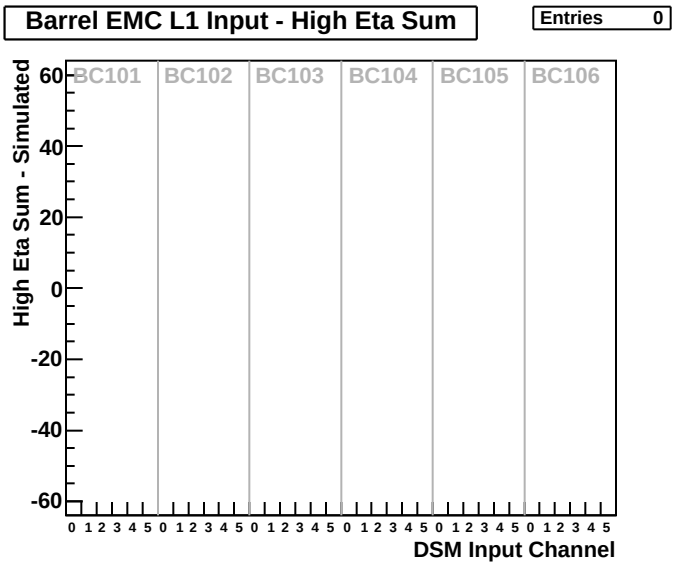
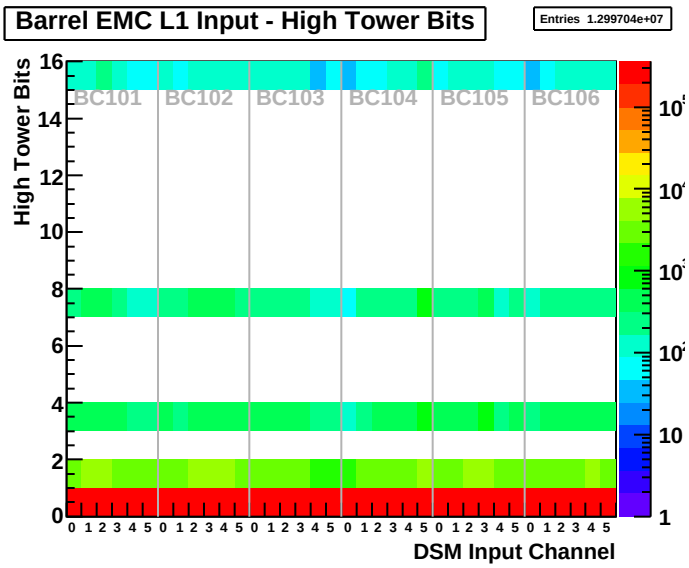
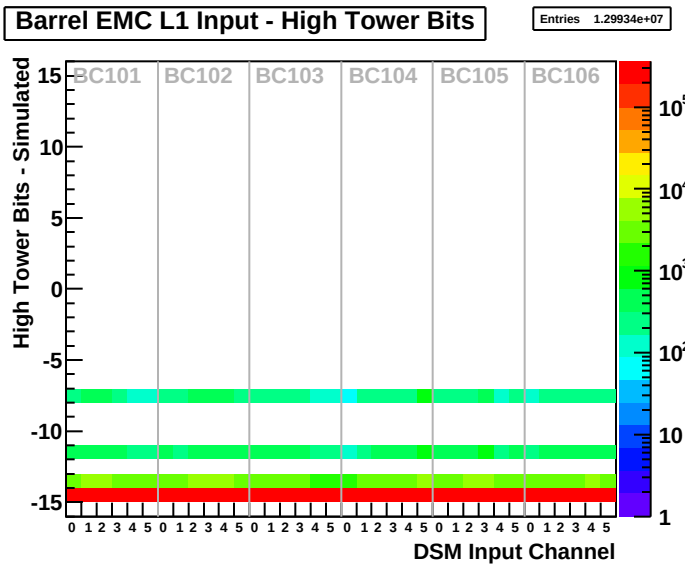

Barrel EMC L1 Input - Low Eta Sum
Entries 1.299704e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

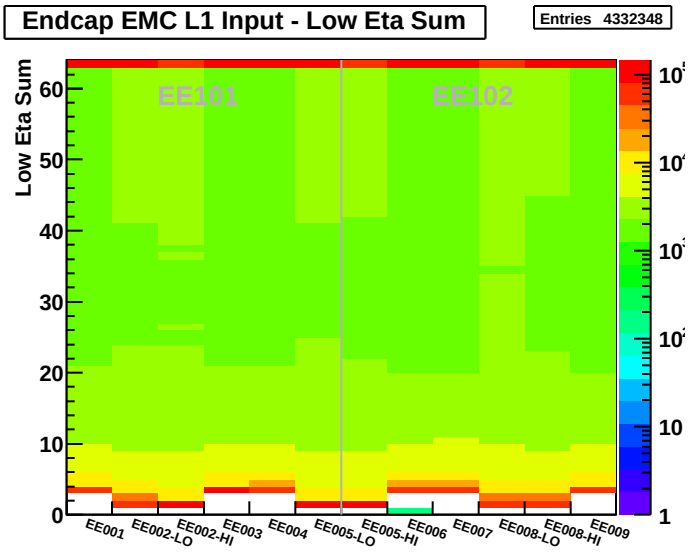

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

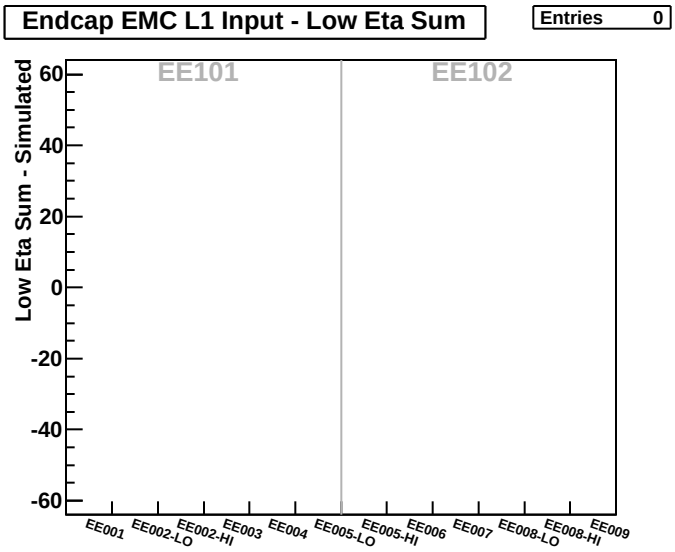

Barrel EMC L1 Input - High Eta Sum
Entries 1.299704e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

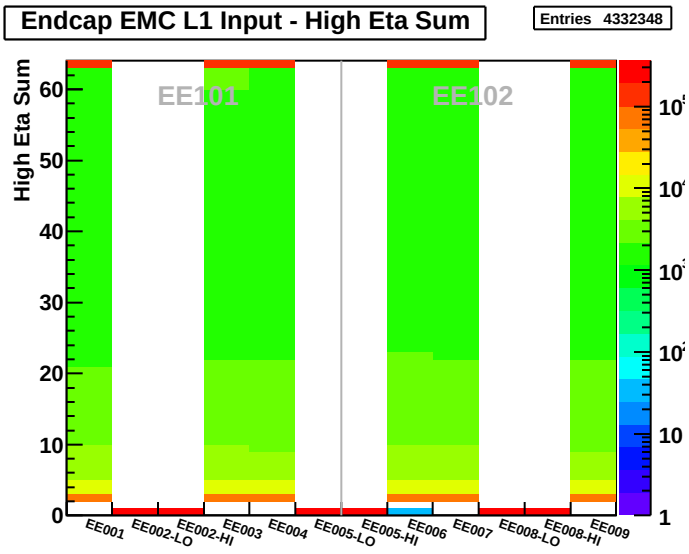

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

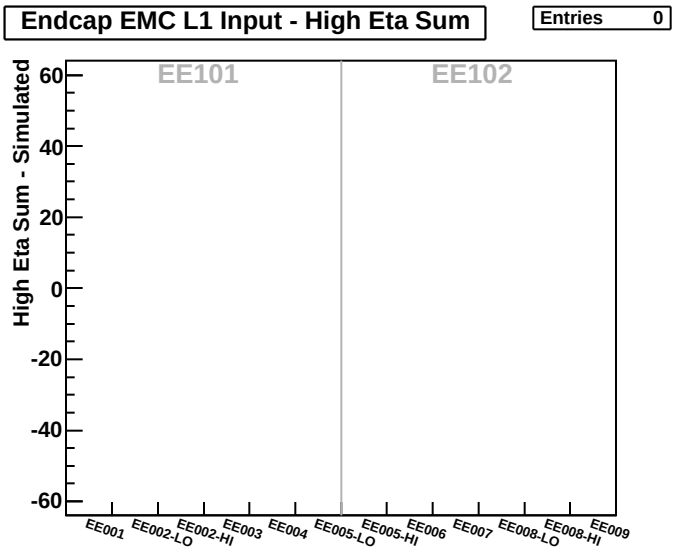

Barrel EMC L1 Input - High Tower Bits
Entries 1.299704e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

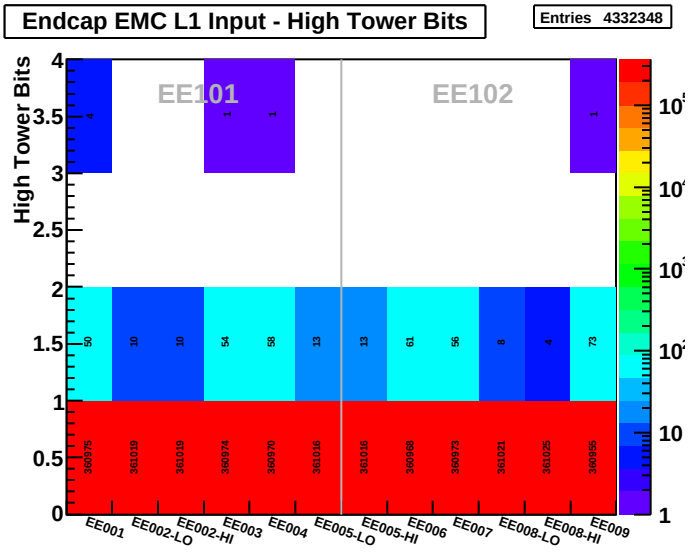

Barrel EMC L1 Input - High Tower Bits
Entries 1.29934e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

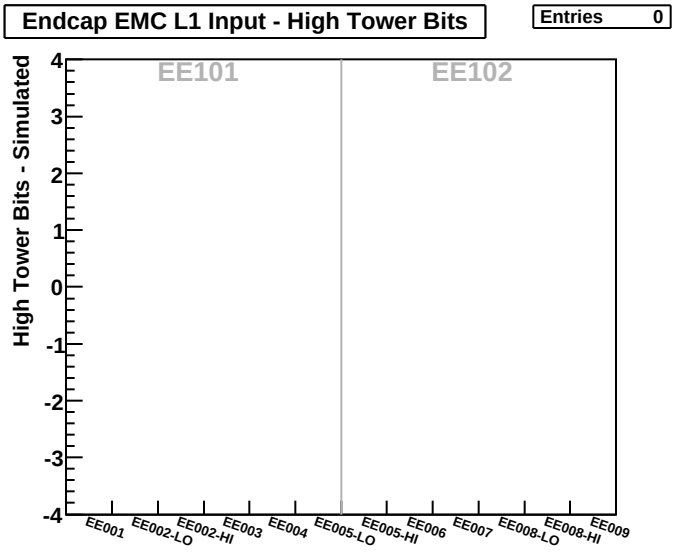

Endcap EMC L1 Input - Low Eta Sum
Entries 4332348
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

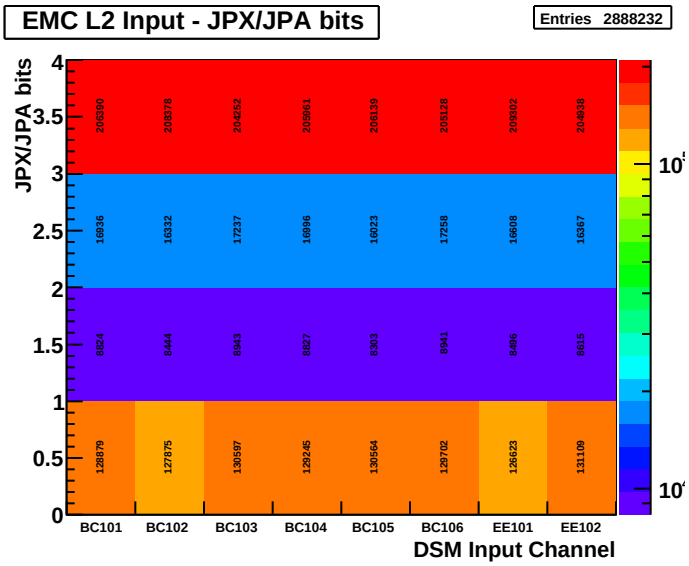

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

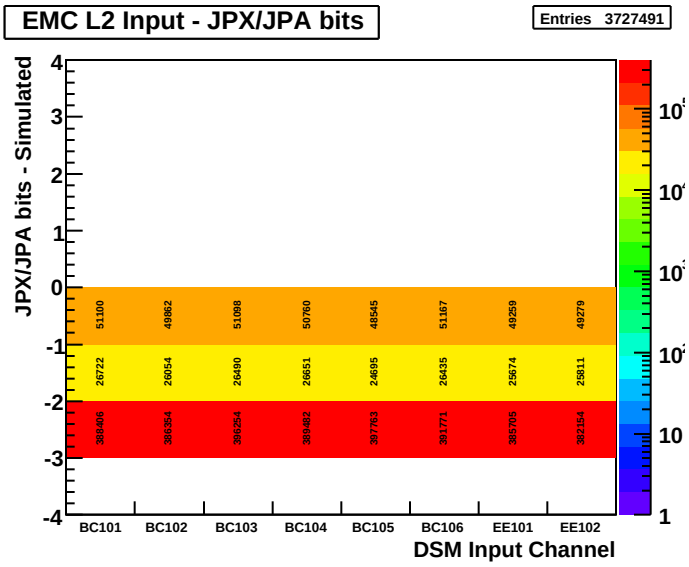

Endcap EMC L1 Input - High Eta Sum
Entries 4332348
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

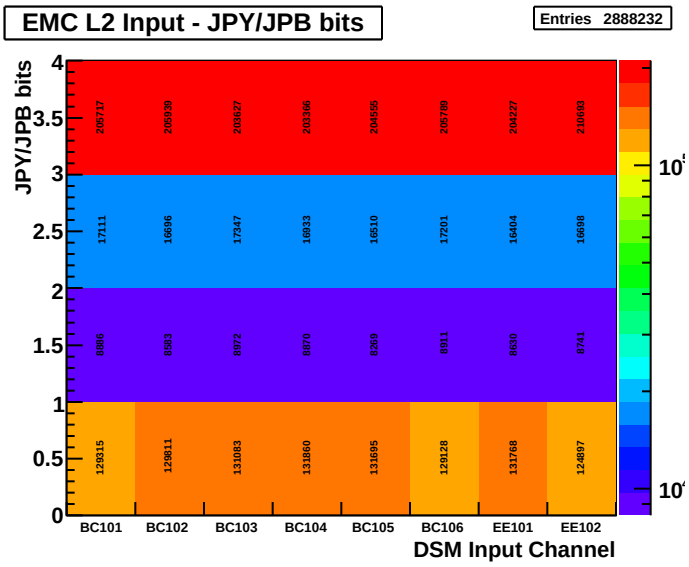

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

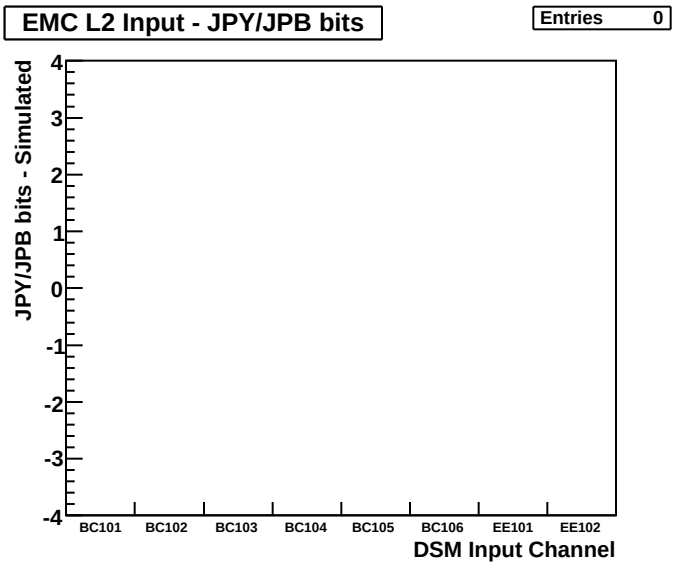

Endcap EMC L1 Input - High Tower Bits
Entries 4332348
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

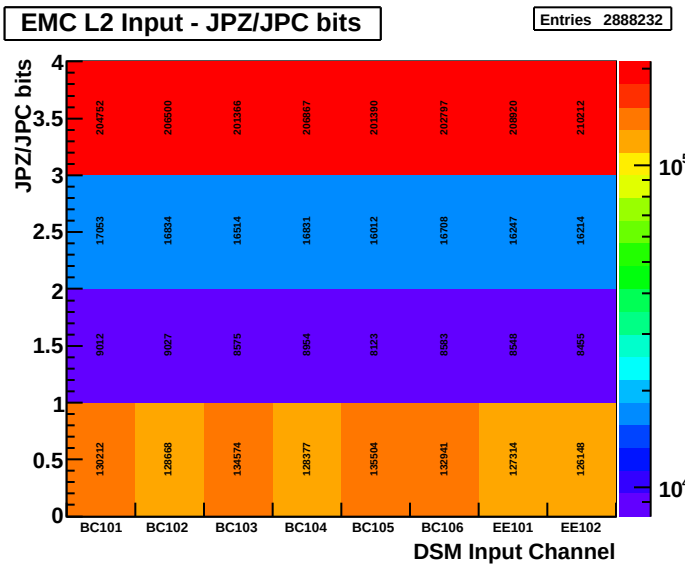

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

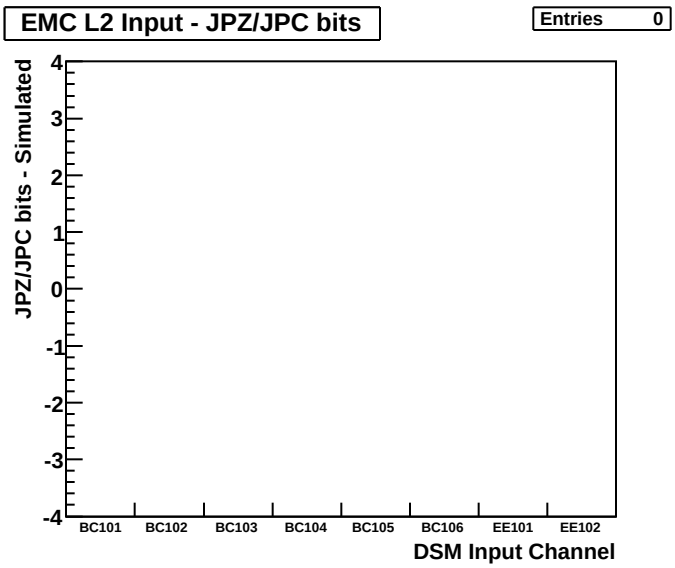

EMC L2 Input - JPX/JPA bits
Entries 2888232
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
206390 208378 204252 205961 206139 205128 209302 204938
16936 16332 17237 16996 16023 17258 16608 16367
8824 8444 8943 8827 8303 8941 8496 8615
128879 127875 130597 129245 130564 129702 126623 131109

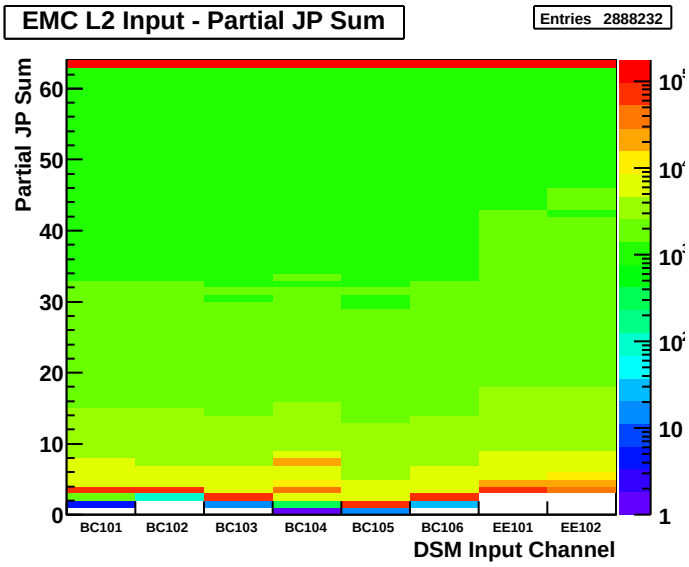

EMC L2 Input - JPX/JPA bits
Entries 3727491
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
51100 49862 51098 50760 48545 51167 49259 49279
25722 26054 26490 26651 24695 26435 25674 25811
388406 386354 396254 389462 397783 391771 385705 382154

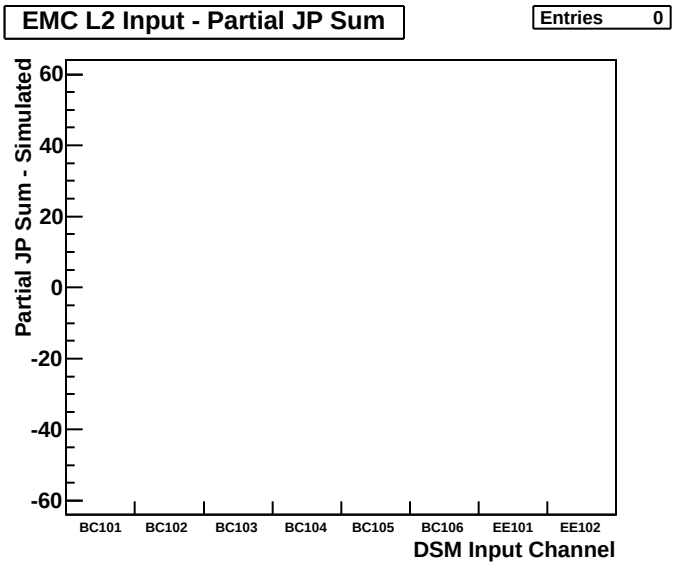

EMC L2 Input - JPY/JPB bits
Entries 2888232
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
205717 205939 203627 203366 204555 205789 204227 210633
17111 16696 17347 16933 16510 17201 16404 16698
8886 8833 8972 8870 8259 8911 8630 8741
128315 128811 131083 131860 131695 129128 131768 124897

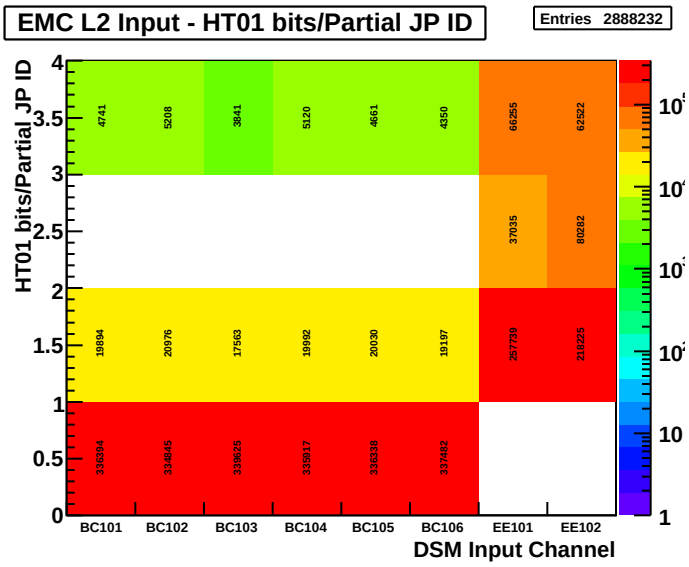

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

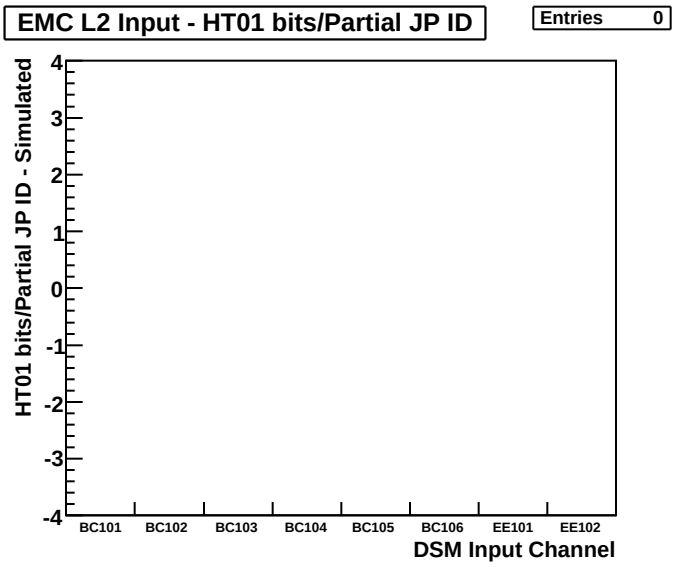

EMC L2 Input - JPZ/JPC bits
Entries 2888232
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
204752 206500 201366 208867 201390 202797 209820 210212
17053 16834 16514 16831 16012 16708 16247 16214
9012 9027 8575 8854 8123 8583 8548 8455
130212 128668 134574 128377 135504 132941 127314 126148

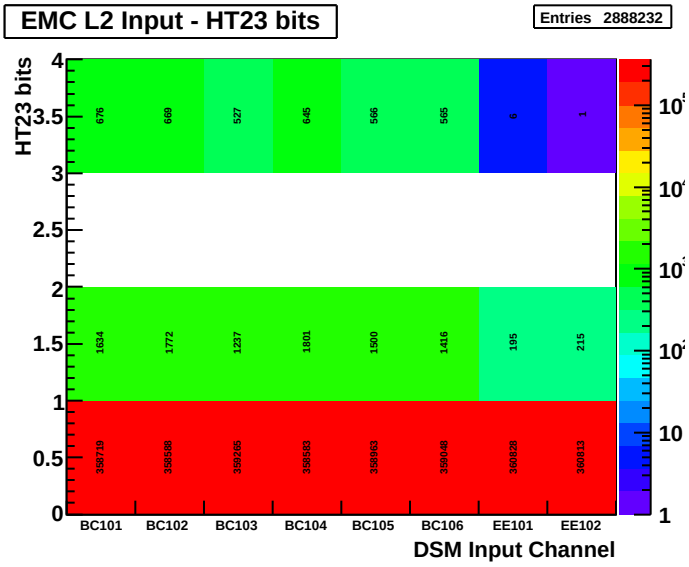

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

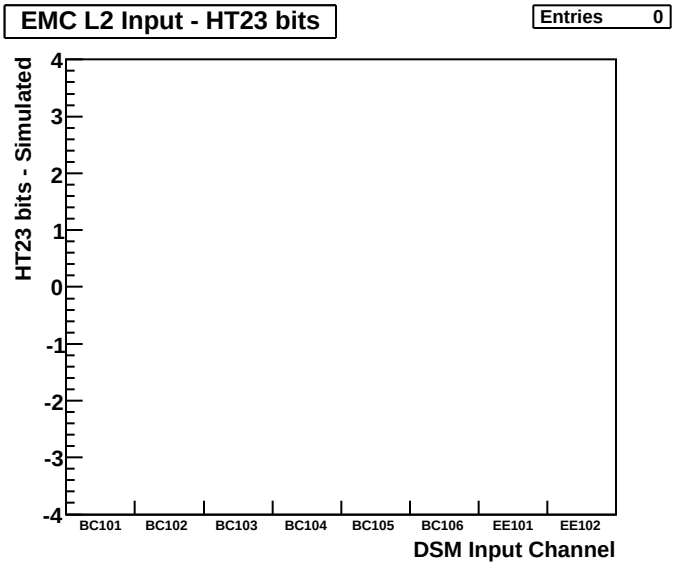

EMC L2 Input - Partial JP Sum
Entries 2888232
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

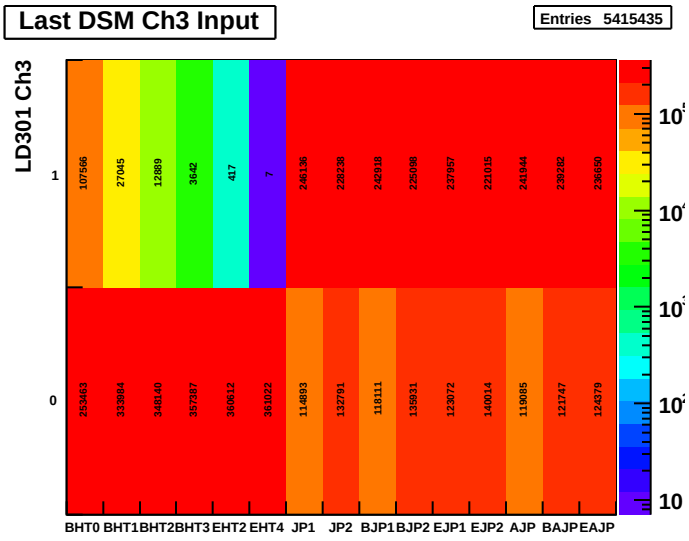

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

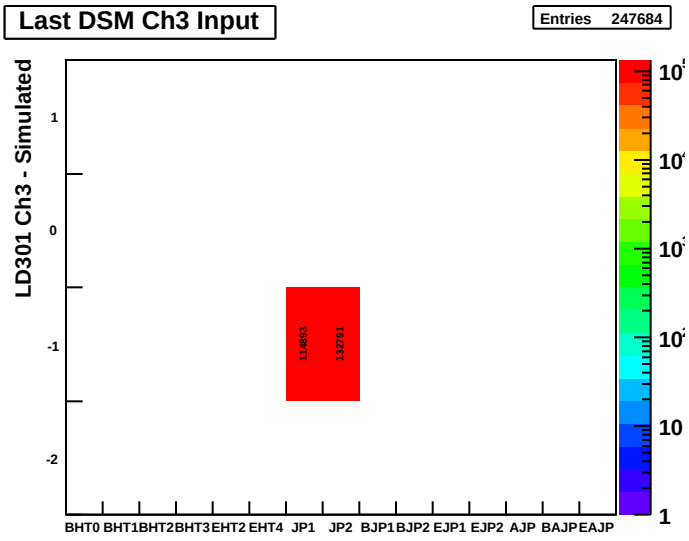

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2888232
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

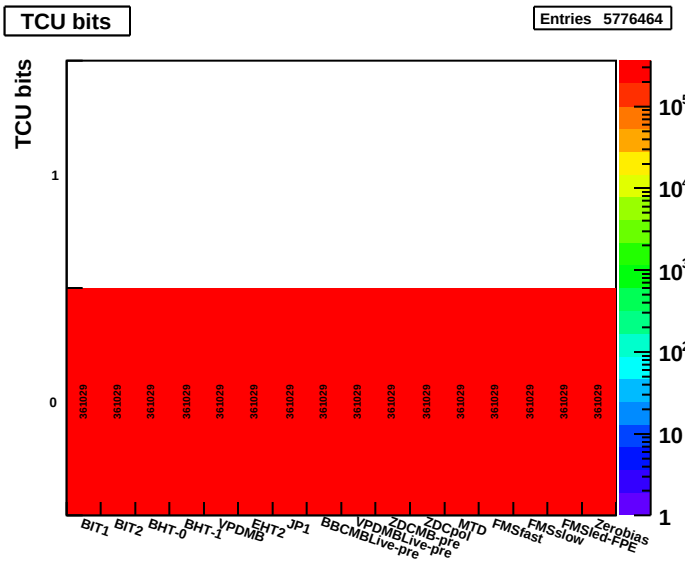

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

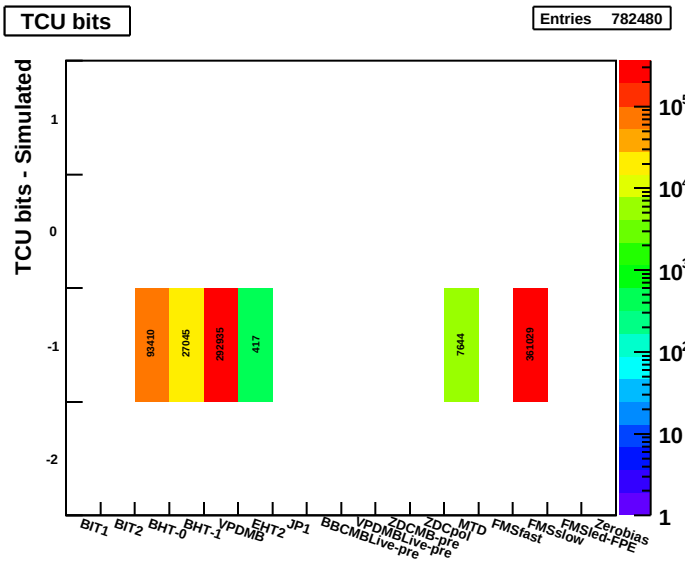

EMC L2 Input - HT23 bits
Entries 2888232
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

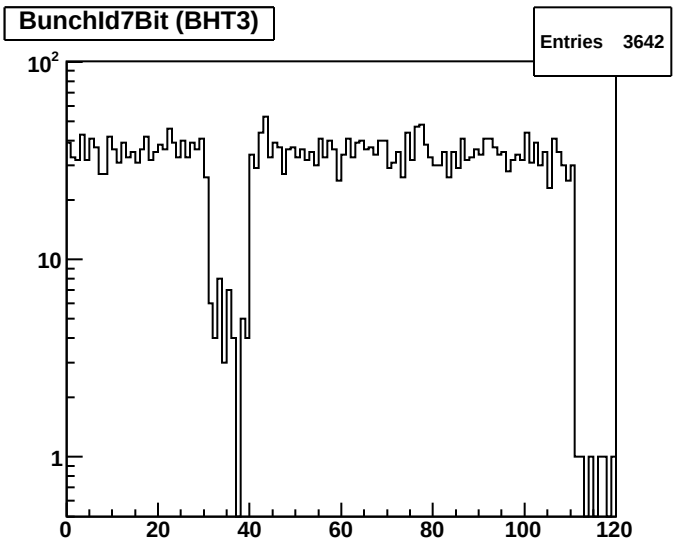

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

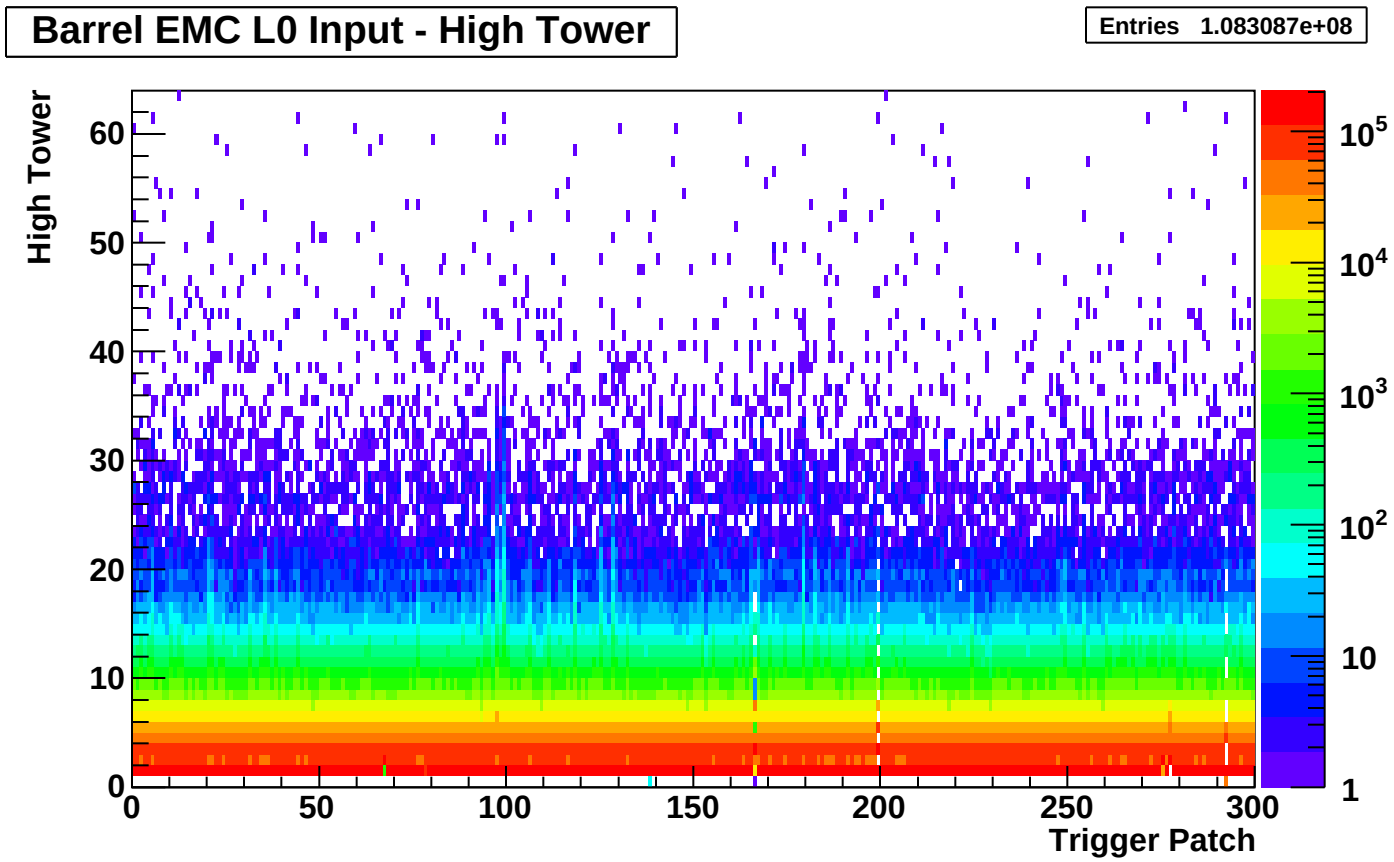

Last DSM Ch3 Input
Entries 5415435
LD301 Ch3
1
0
107566
27045
12889
3642
417
7
246136
228238
242918
225098
237957
221015
241944
239282
236650
253463
333984
348140
357387
360612
361022
114893
132791
118111
135931
123072
140014
119085
121747
124379
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

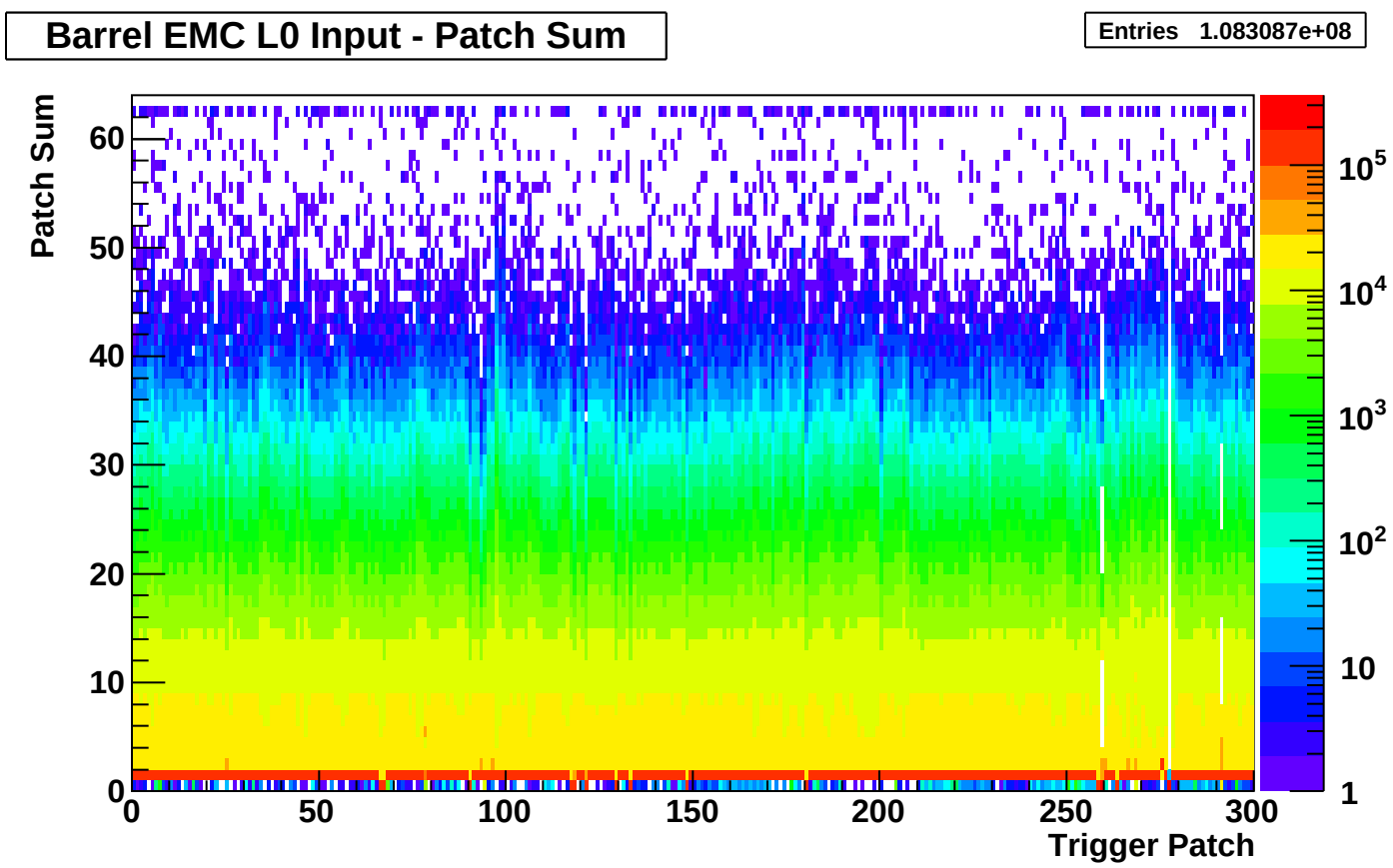

Last DSM Ch3 Input
Entries 247684
LD301 Ch3 - Simulated
1
0
-1
-2
114893
132791
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

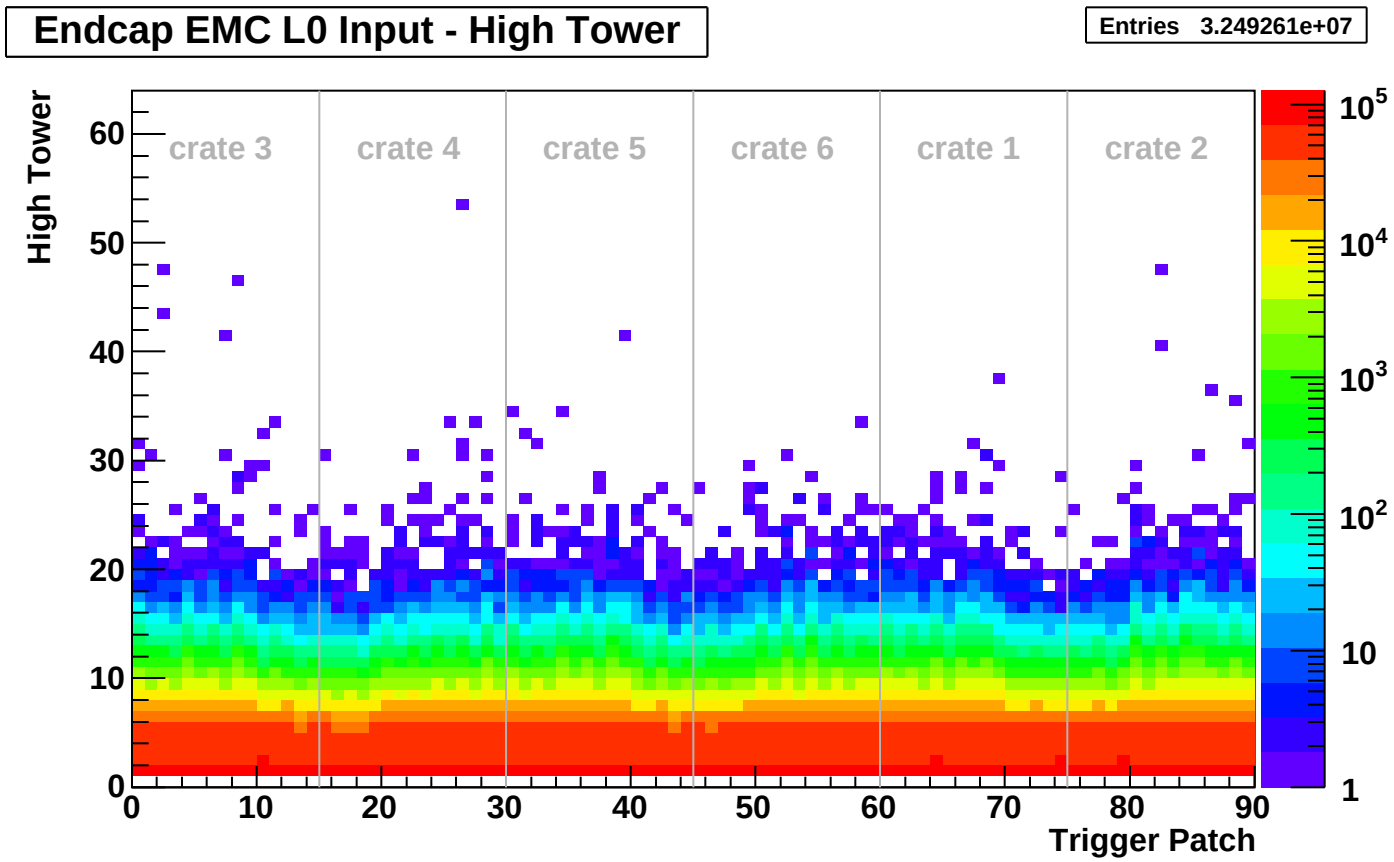

TCU bits
Entries 5776464
TCU bits
1
0
361029
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

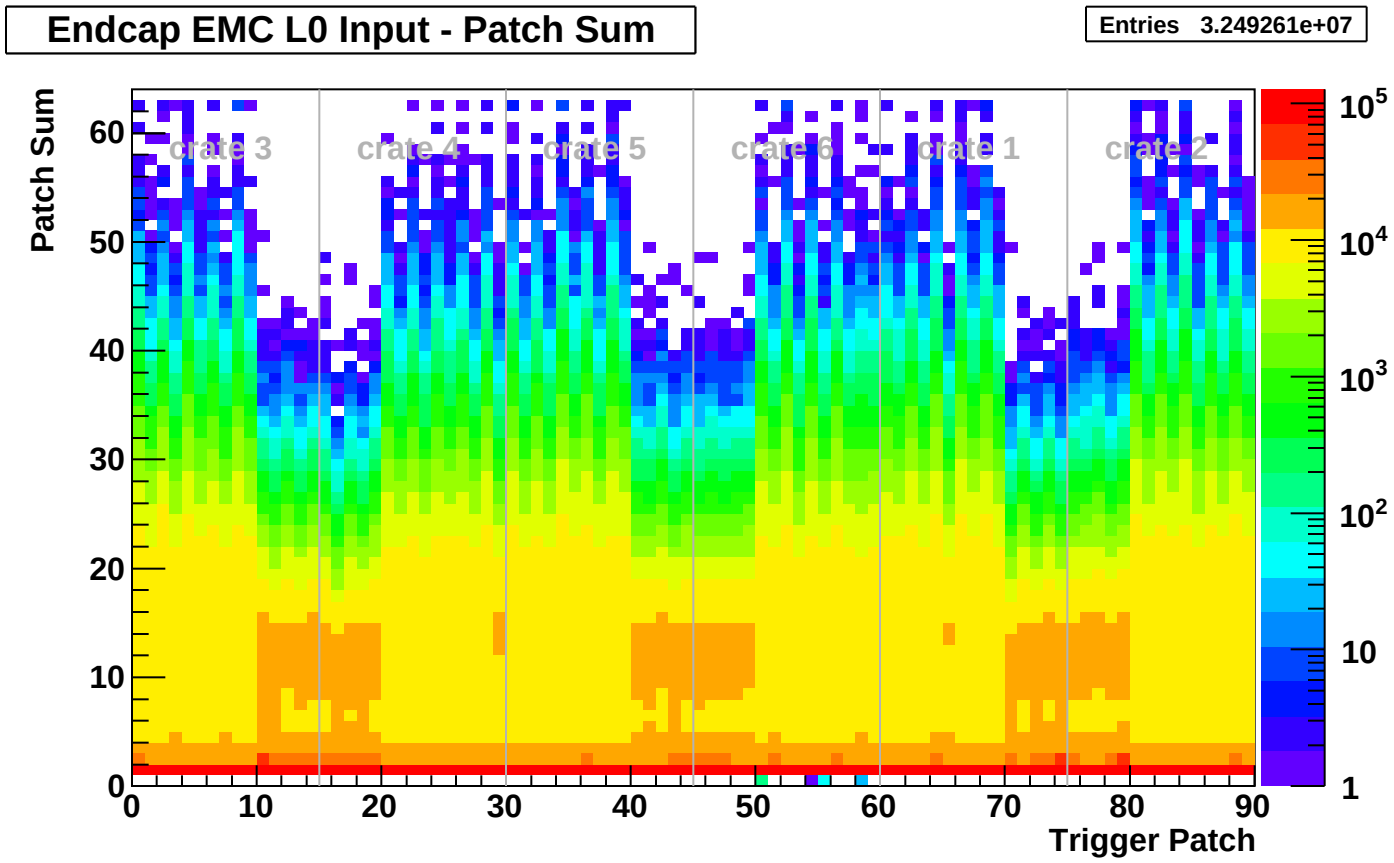

TCU bits
Entries 782480
TCU bits - Simulated
1
0
-1
-2
93410
27045
292935
417
7644
361029
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

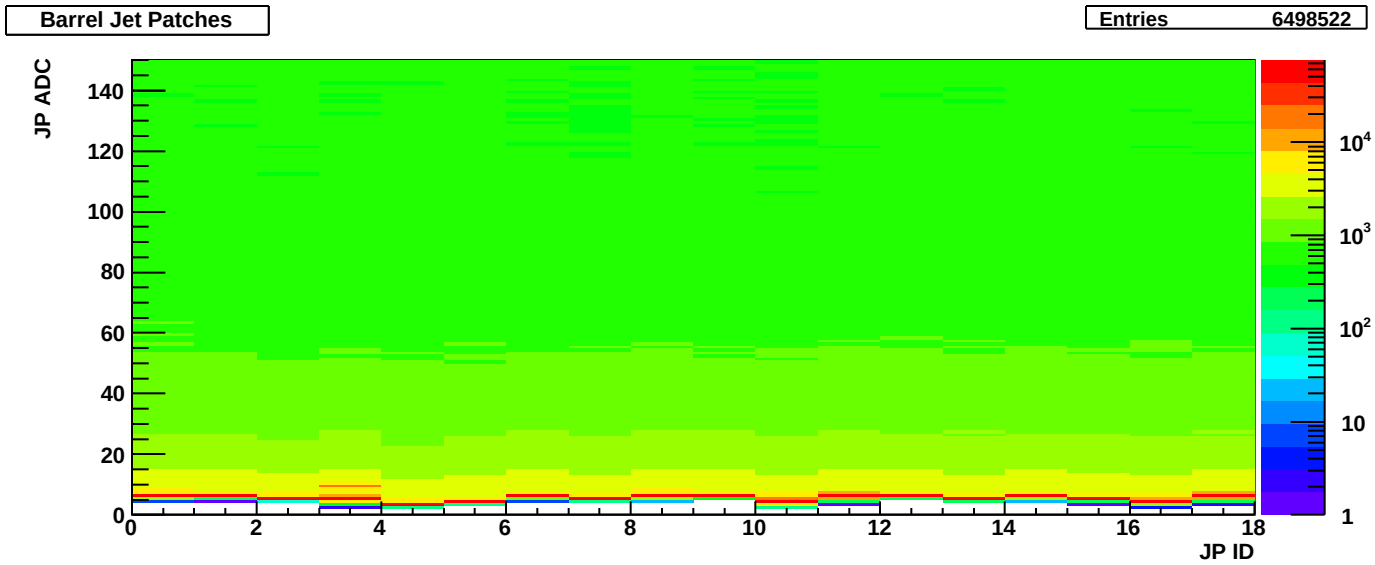

BunchId7Bit (BHT3)
Entries 3642
10^2
10
1
0
20
40
60
80
100
120

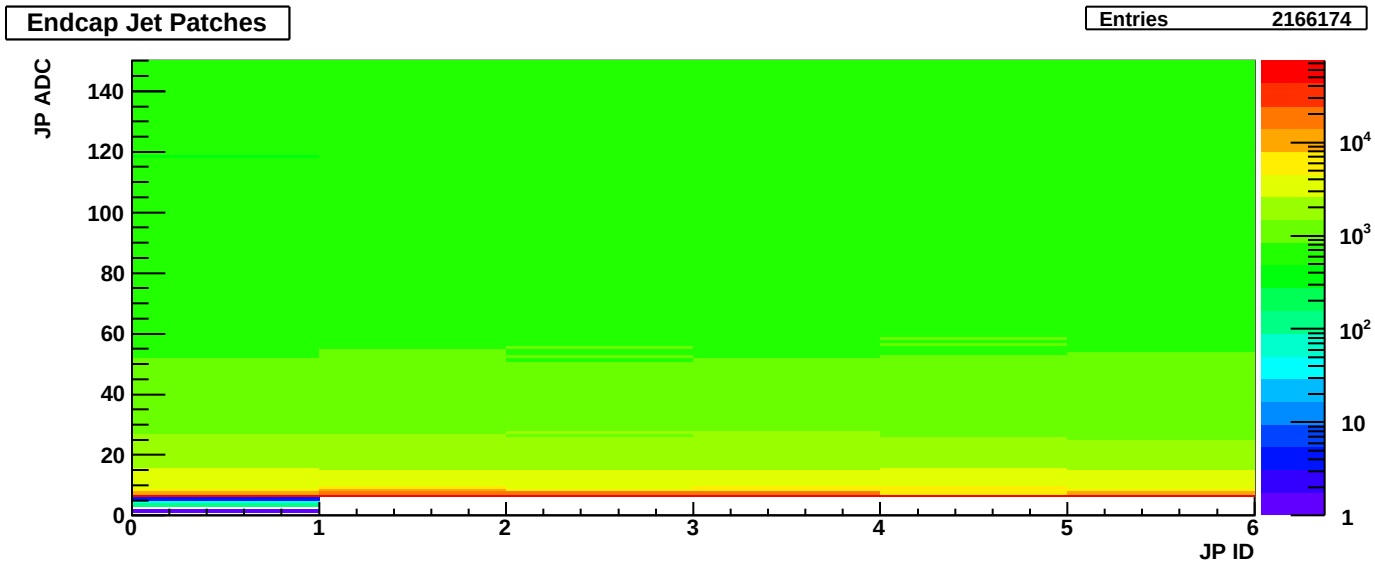

Barrel EMC L0 Input - High Tower
Entries 1.083087e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

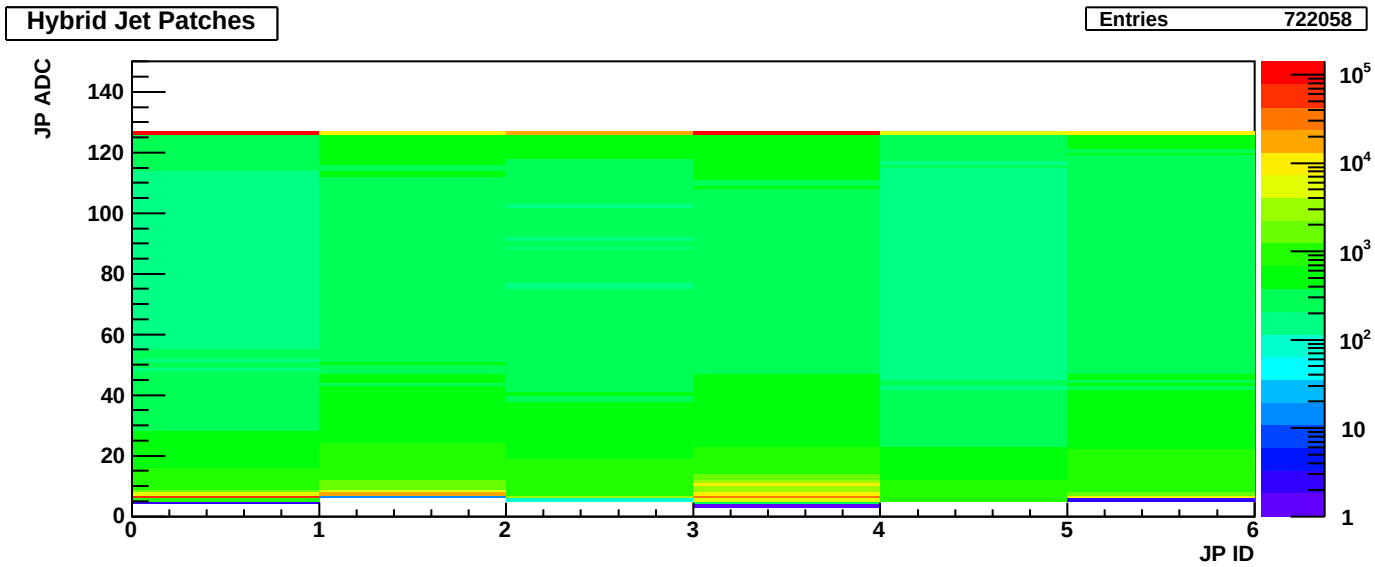

Barrel EMC L0 Input - Patch Sum
Entries 1.083087e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

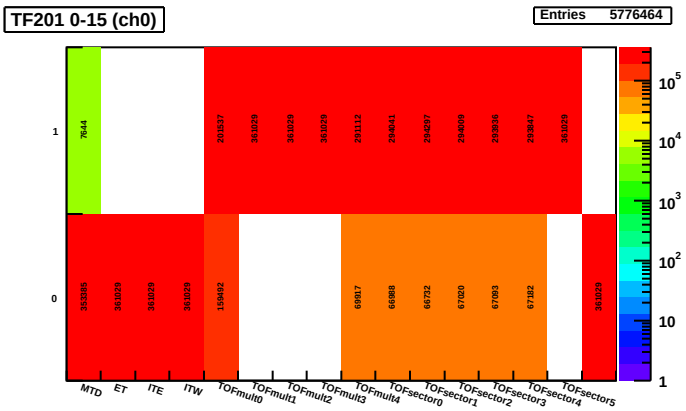

Endcap EMC L0 Input - High Tower
Entries 3.249261e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

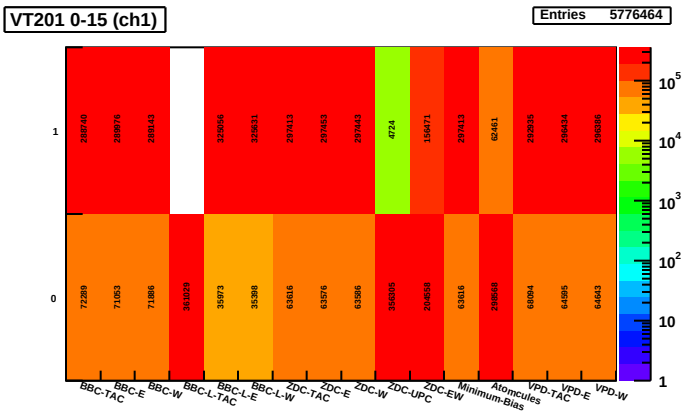

Endcap EMC L0 Input - Patch Sum
Entries 3.249261e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

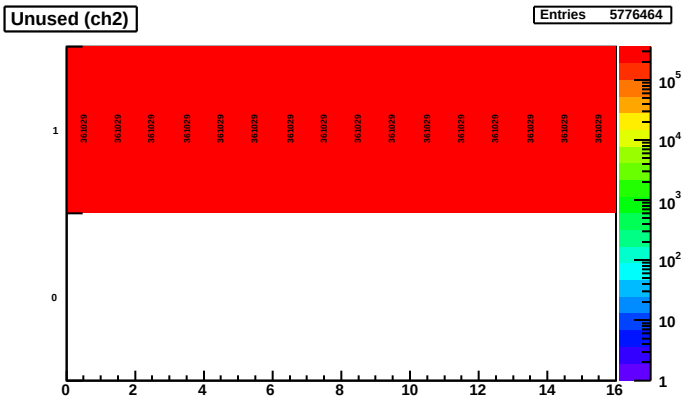

Barrel Jet Patches
Entries 6498522
JP ADC
JP ID

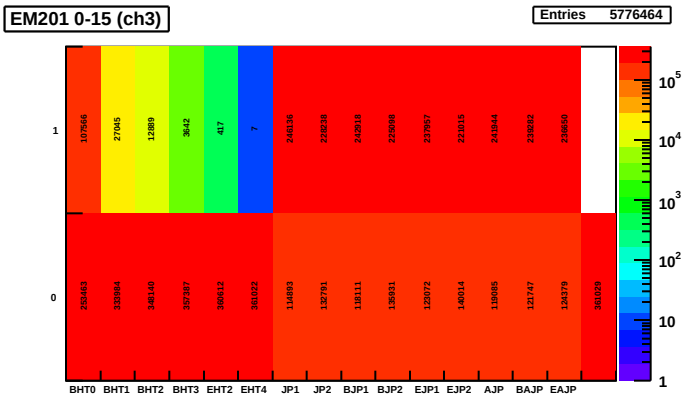

Endcap Jet Patches
Entries 2166174
JP ADC
JP ID

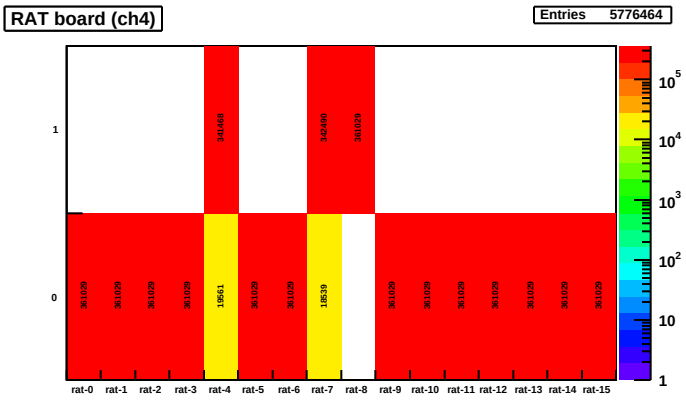

Hybrid Jet Patches
Entries 722058
JP ADC
JP ID

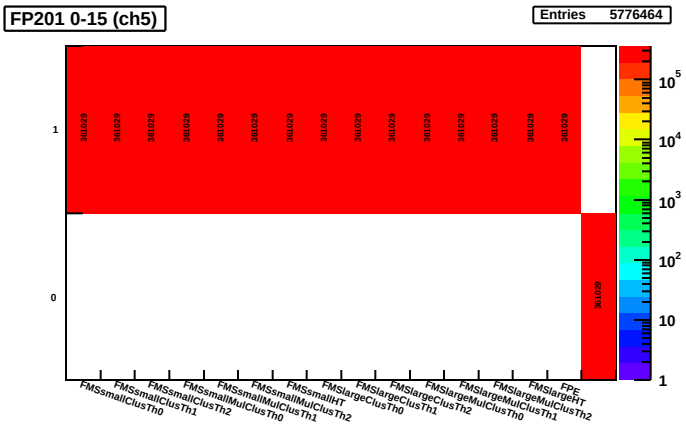

TF201 0-15 (ch0)
Entries 5776464
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

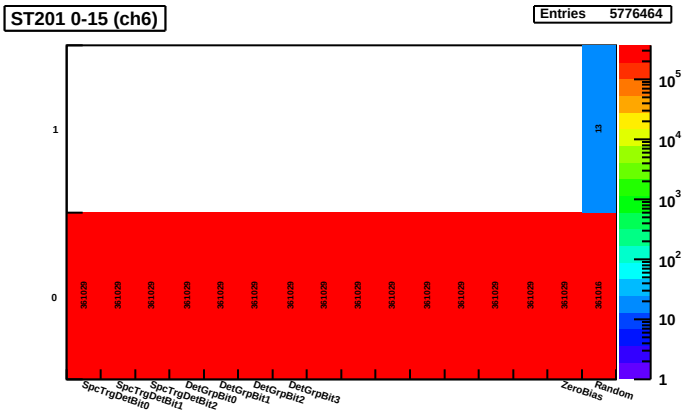

VT201 0-15 (ch1)
Entries 5776464
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

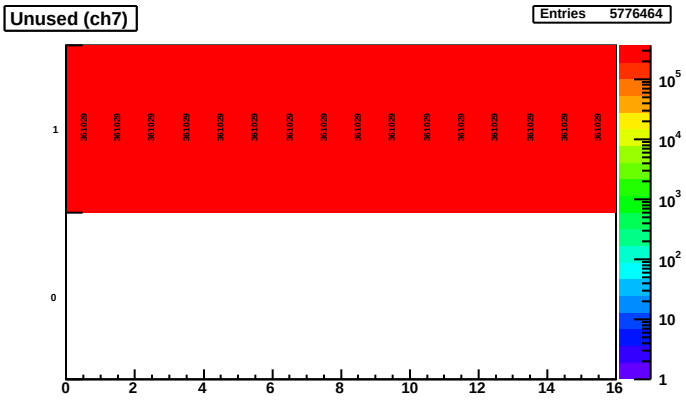

Unused (ch2)
Entries 5776464

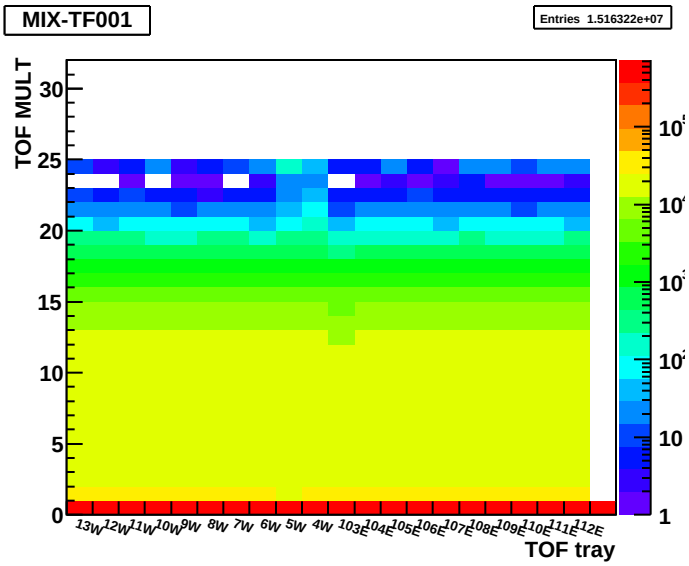

EM201 0-15 (ch3)
Entries 5776464
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

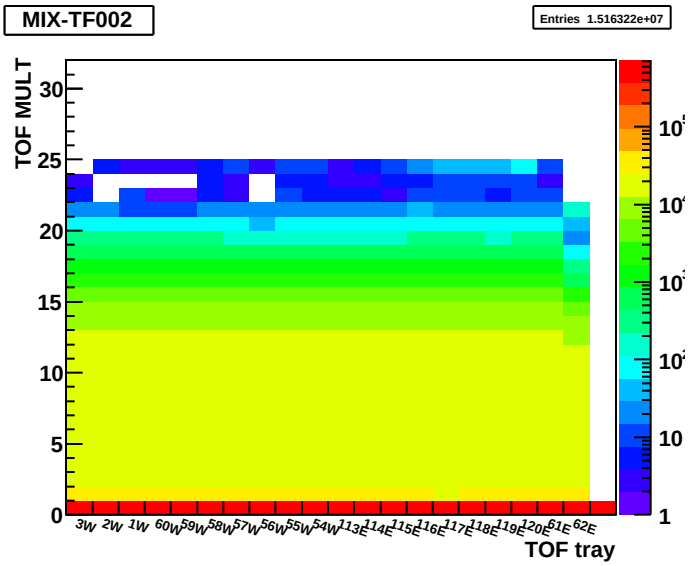

RAT board (ch4)
Entries 5776464
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

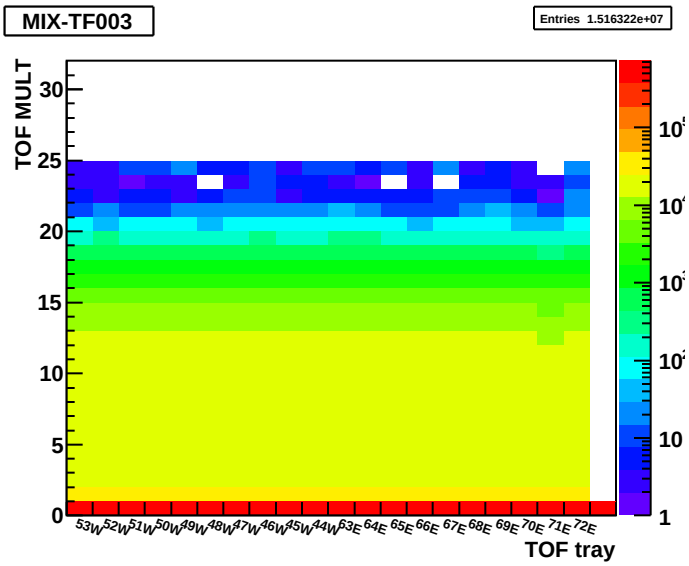

FP201 0-15 (ch5)
Entries 5776464
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

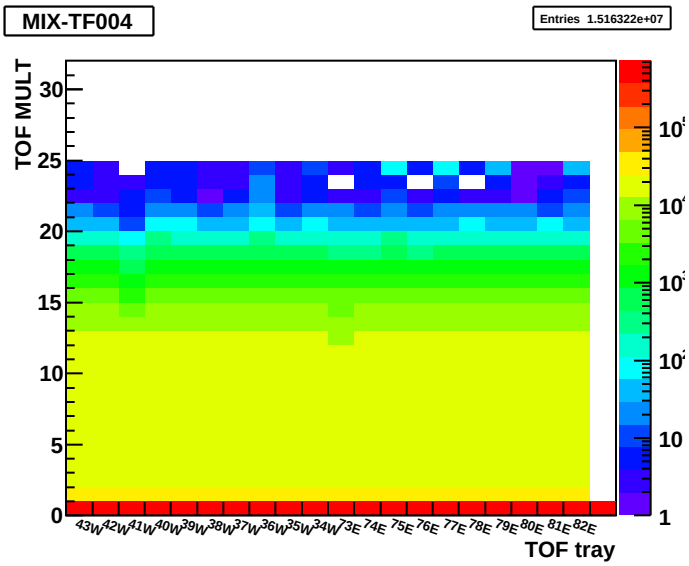

ST201 0-15 (ch6)
Entries 5776464
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

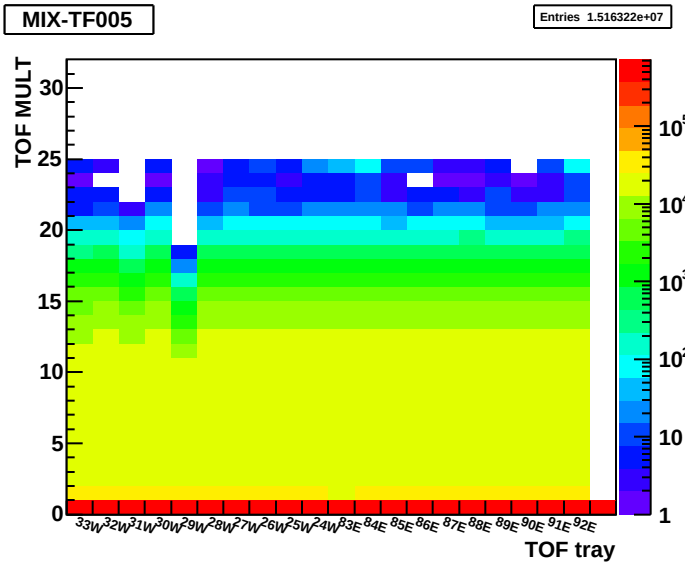

Unused (ch7)
Entries 5776464

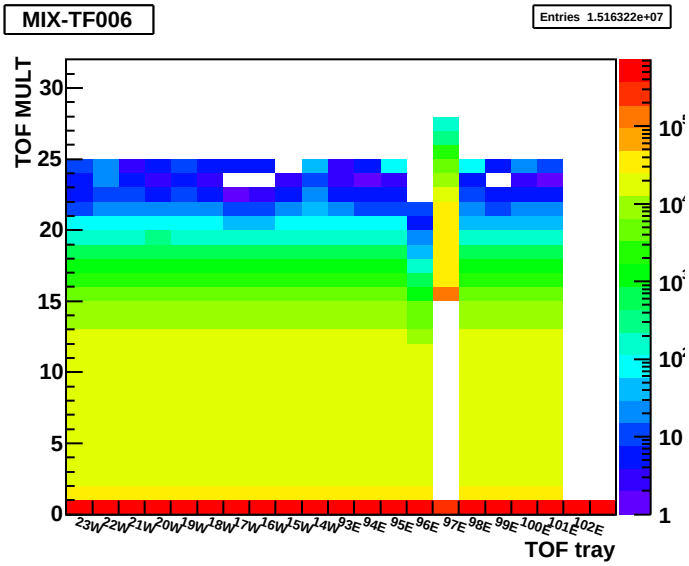

MIX-TF001
Entries 1.516322e+07
TOF MULT
TOF tray

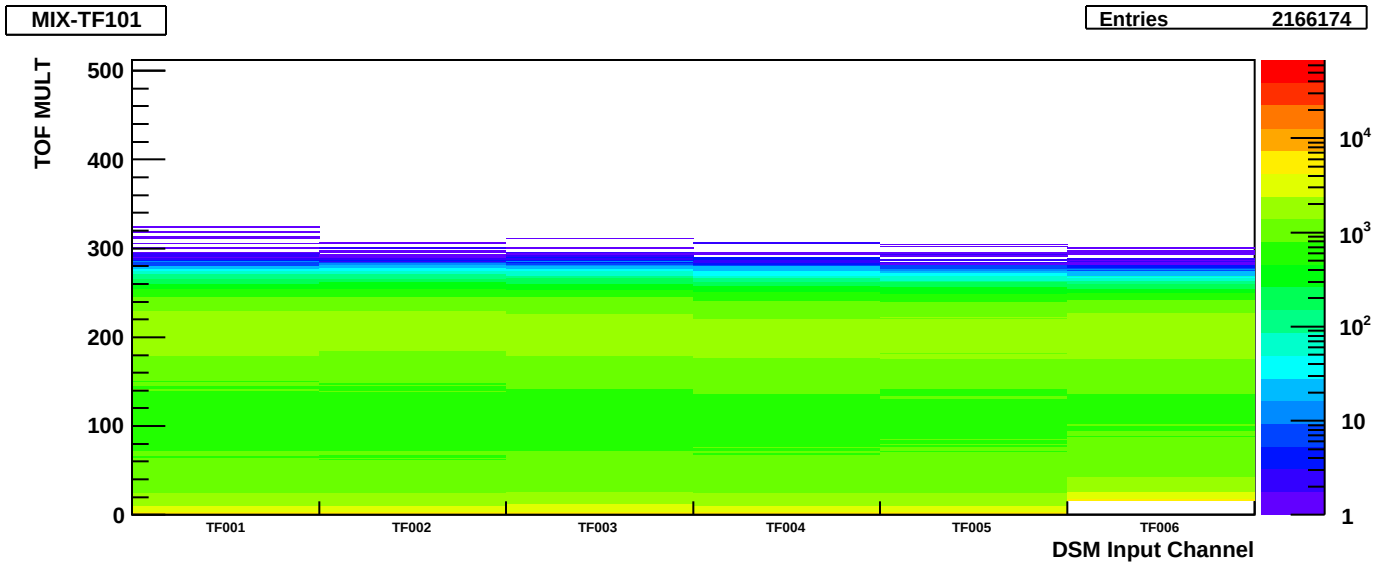

MIX-TF002
Entries 1.516322e+07
TOF MULT
TOF tray

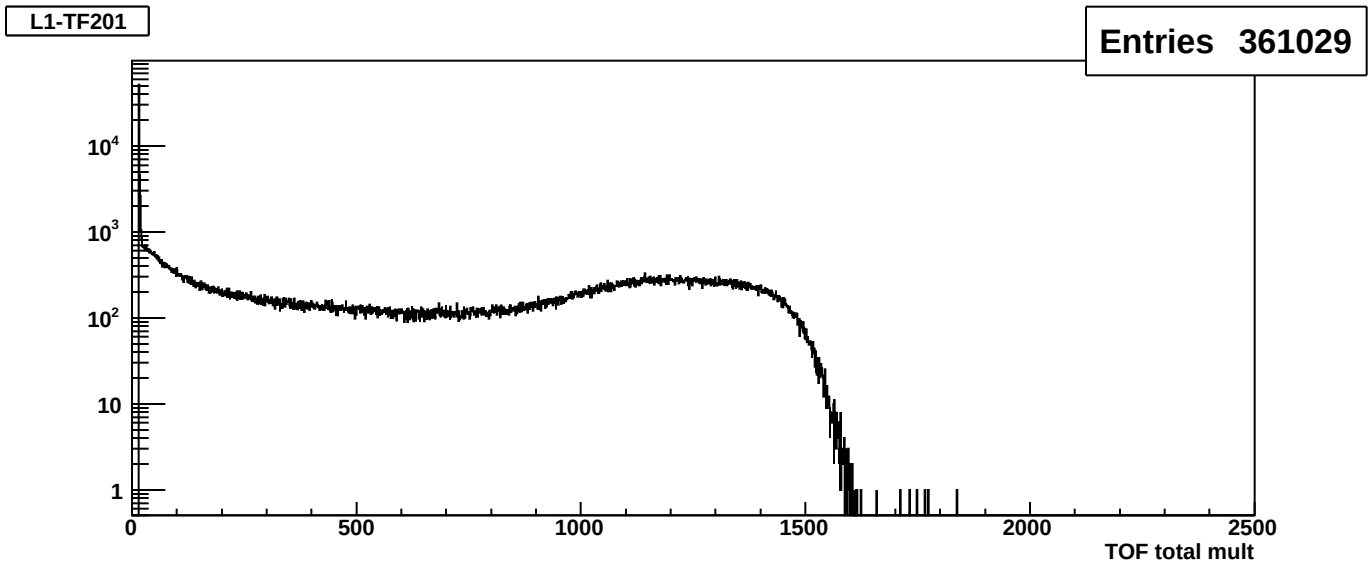

MIX-TF003
Entries 1.516322e+07
TOF MULT
TOF tray

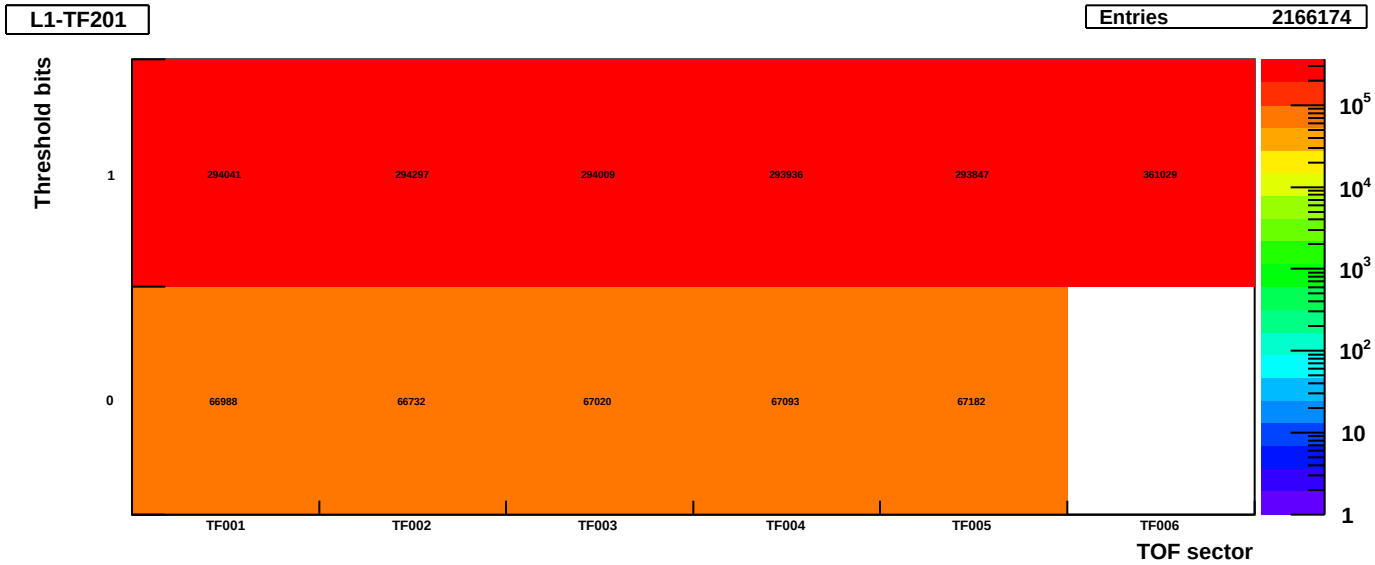

MIX-TF004
Entries 1.516322e+07
TOF MULT
TOF tray

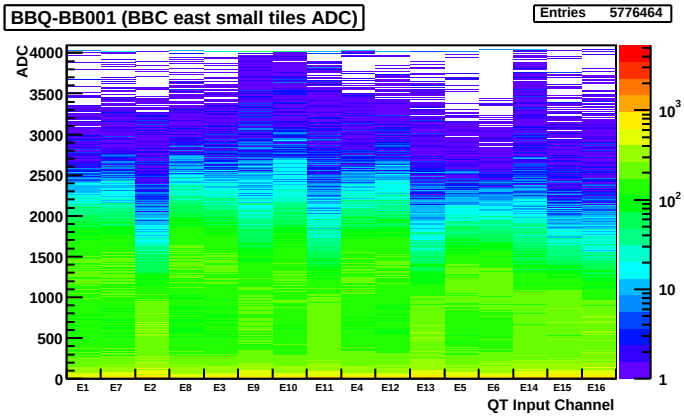

MIX-TF005
Entries 1.516322e+07
TOF MULT
TOF tray

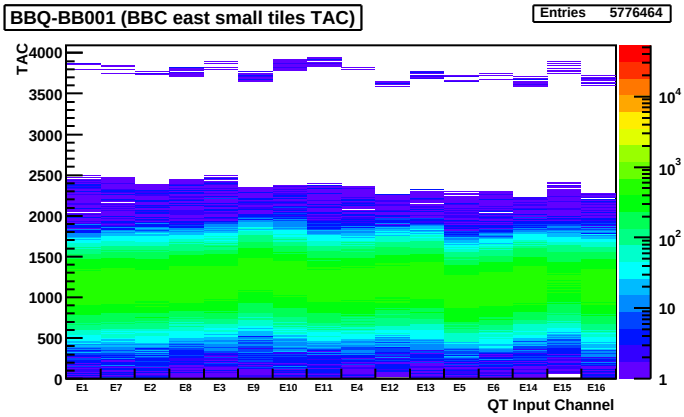

MIX-TF006
Entries 1.516322e+07
TOF MULT
TOF tray

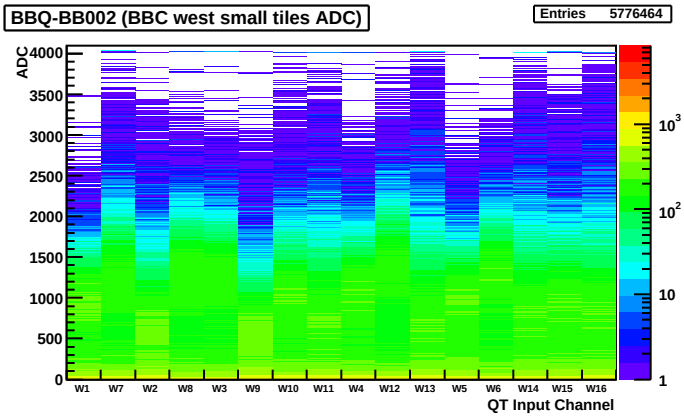

MIX-TF101
Entries 2166174
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

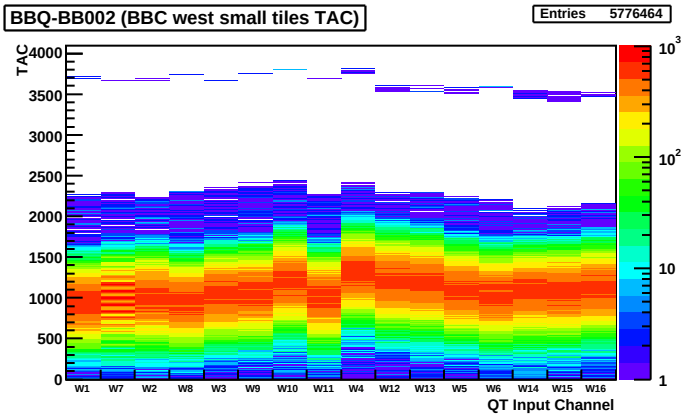

L1-TF201
Entries 361029
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

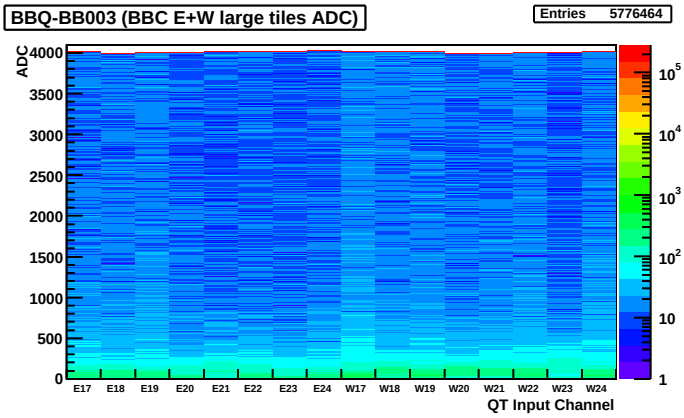

L1-TF201
Entries 2166174
Threshold bits
1
0
294041
294297
294009
293936
293847
361029
66988
66732
67020
67093
67182
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4
10^3
10^2
10
1

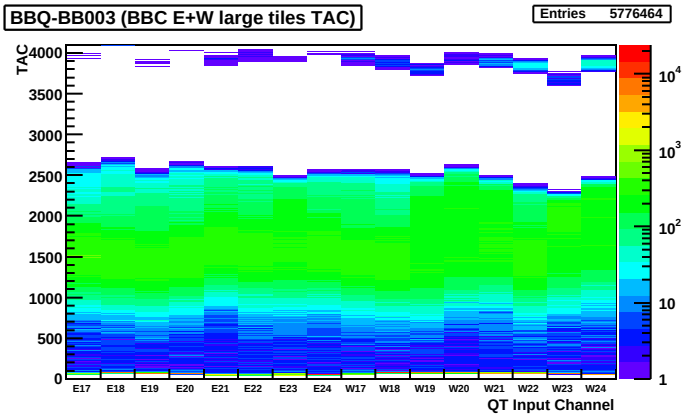

BBQ-BB001 (BBC east small tiles ADC)
Entries 5776464
ADC
QT Input Channel

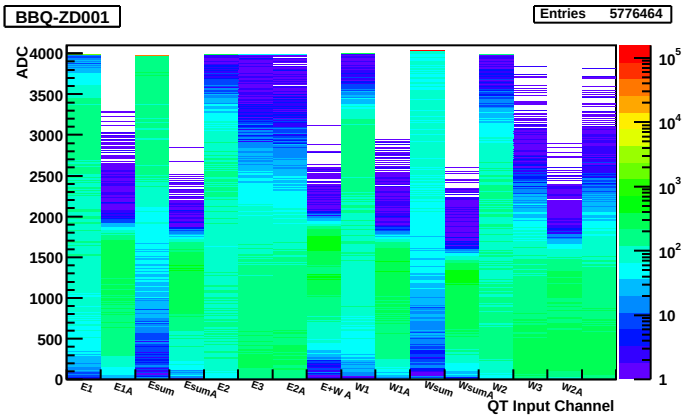

BBQ-BB001 (BBC east small tiles TAC)
Entries 5776464
TAC
QT Input Channel

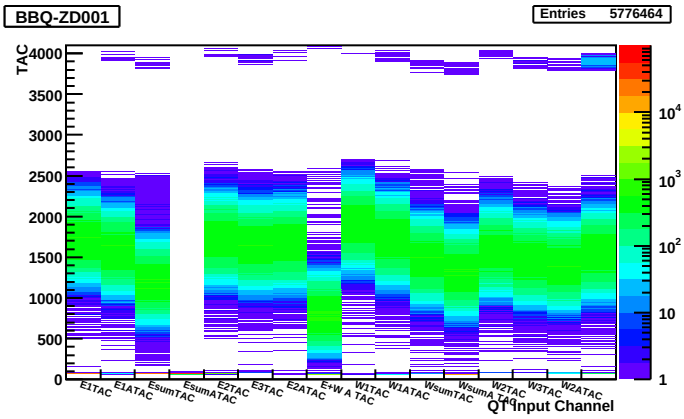

BBQ-BB002 (BBC west small tiles ADC)
Entries 5776464
ADC
QT Input Channel

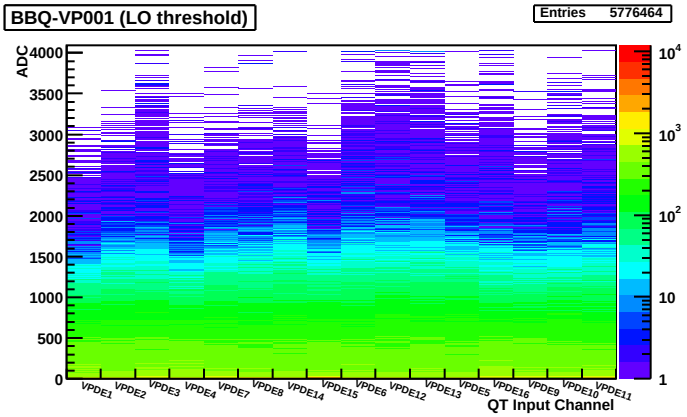

BBQ-BB002 (BBC west small tiles TAC)
Entries 5776464
TAC
QT Input Channel

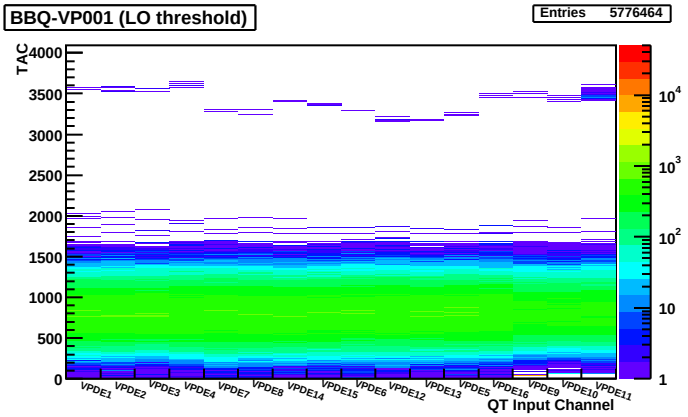

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5776464
ADC
QT Input Channel

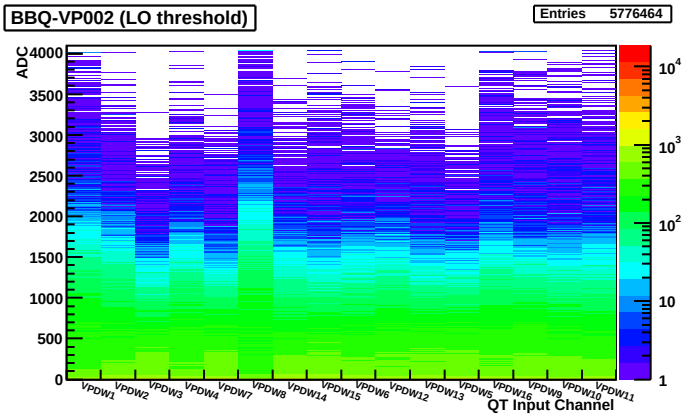

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5776464
TAC
QT Input Channel

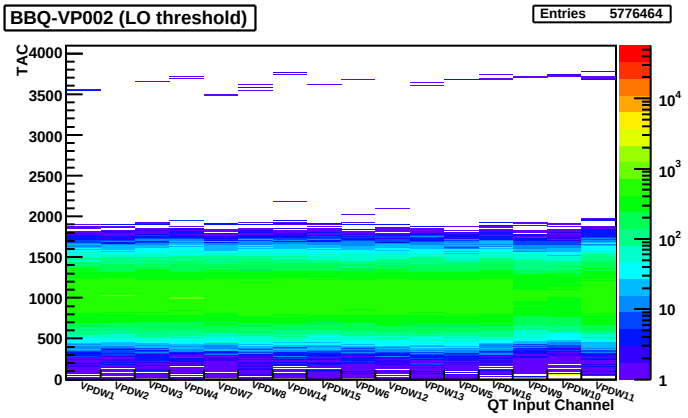

BBQ-ZD001
Entries 5776464
ADC
QT Input Channel


BBQ-ZD001
Entries 5776464
TAC
QT Input Channel


BBQ-VP001 (LO threshold)
Entries 5776464
ADC
QT Input Channel


BBQ-VP001 (LO threshold)
Entries 5776464
TAC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 5776464
ADC
QT Input Channel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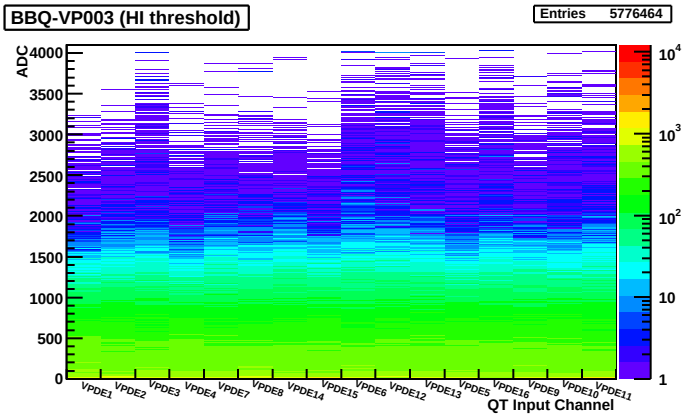
Entries 5776464
TAC
QT Input Channel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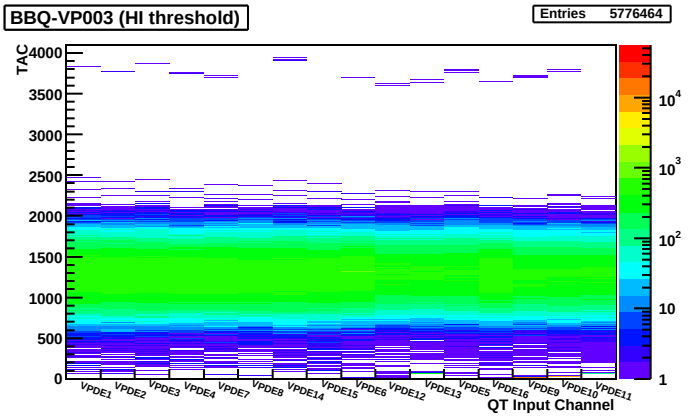
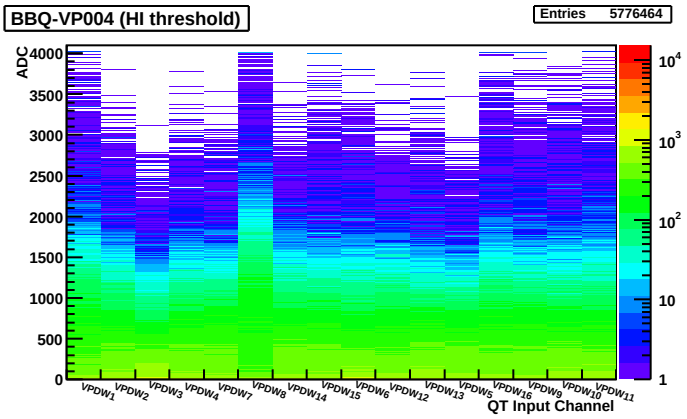
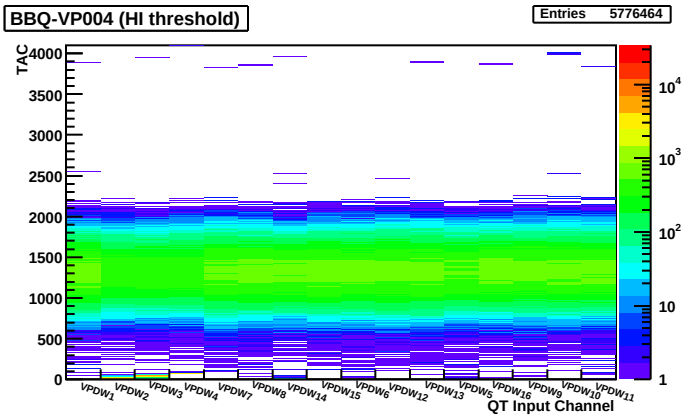
Entries 5776464
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5776464
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5776464
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5776464
TAC
QT Input Channel