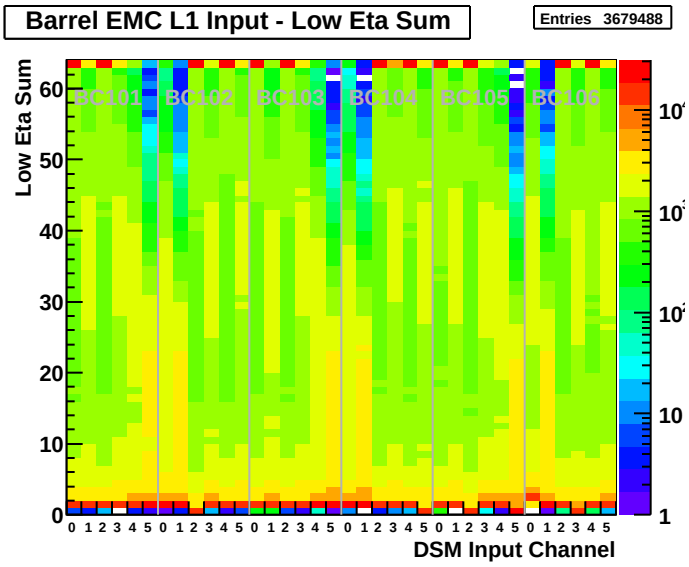
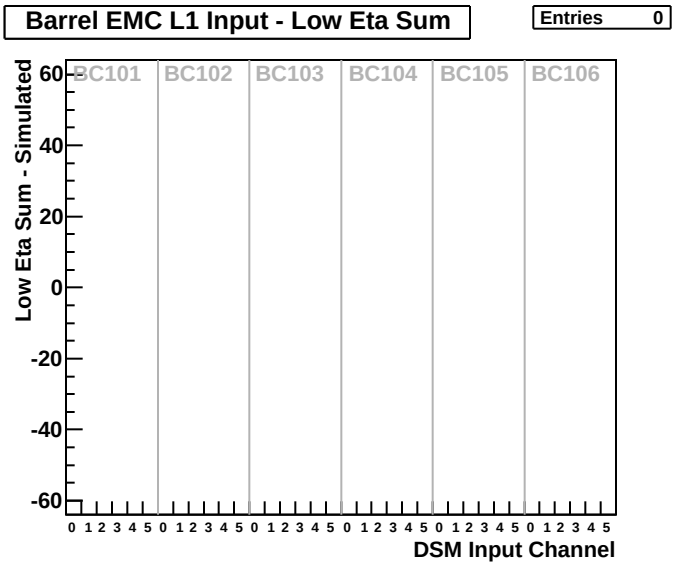
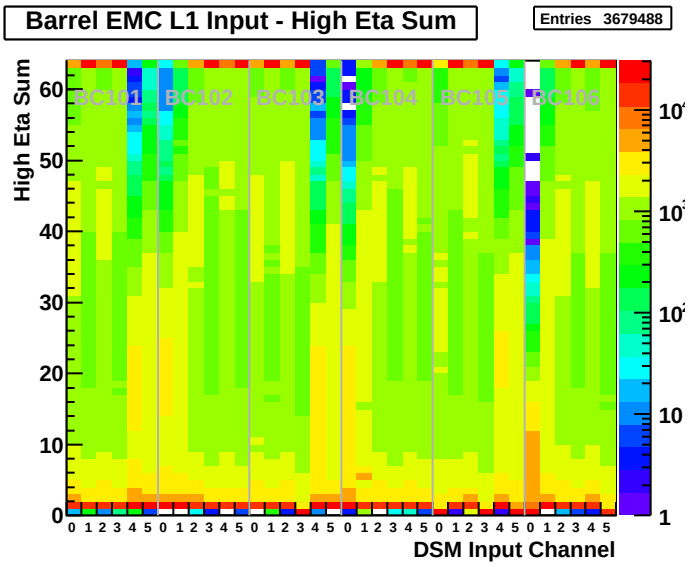
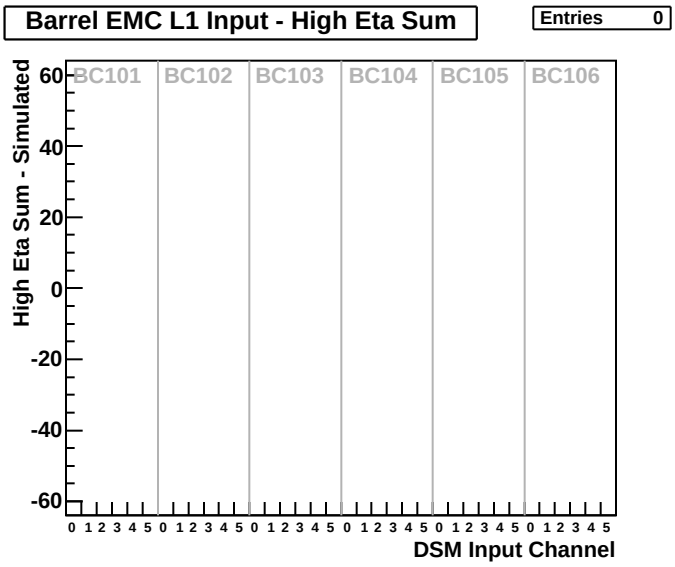
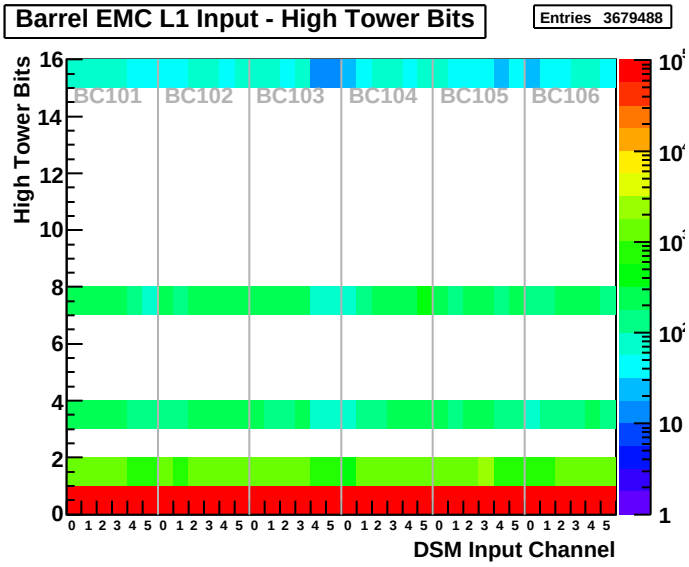
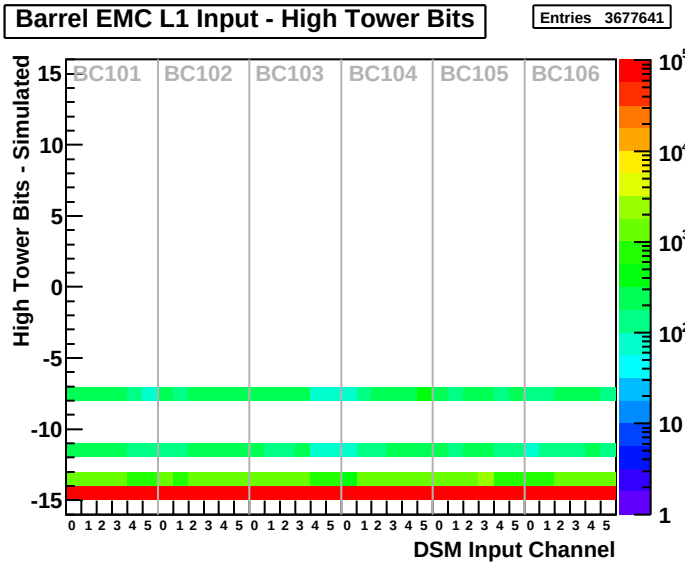

Barrel EMC L1 Input - Low Eta Sum
Entries 3679488
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

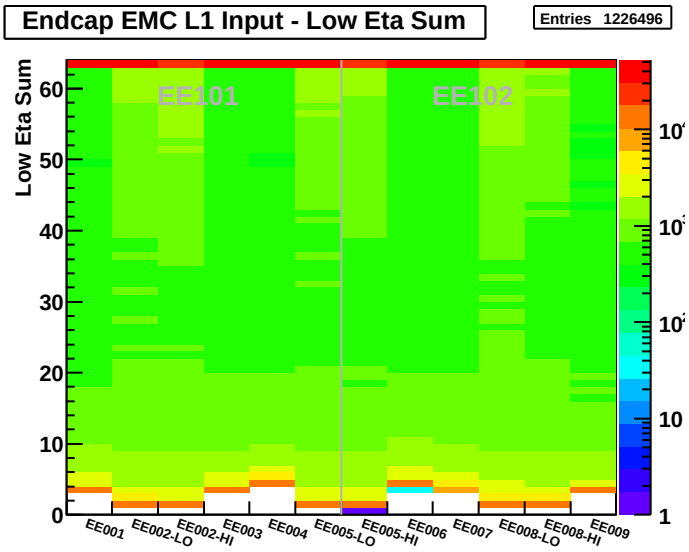

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

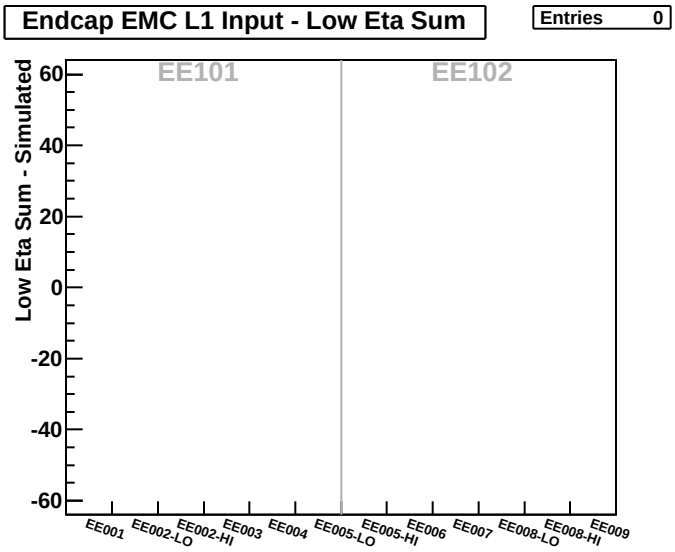

Barrel EMC L1 Input - High Eta Sum
Entries 3679488
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

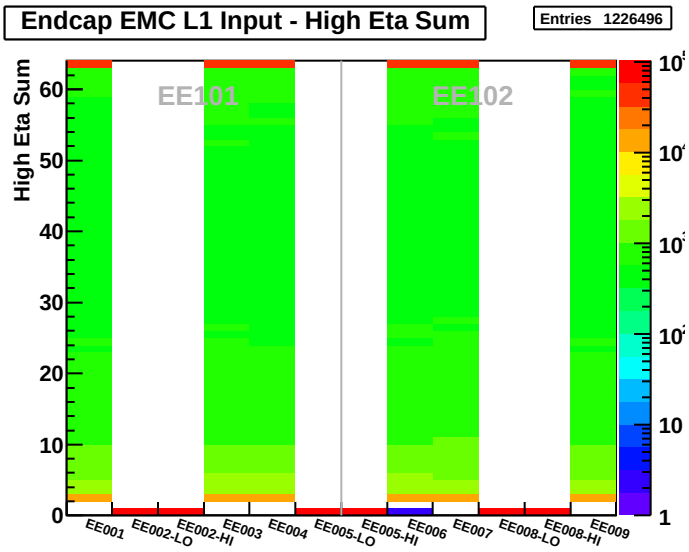

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

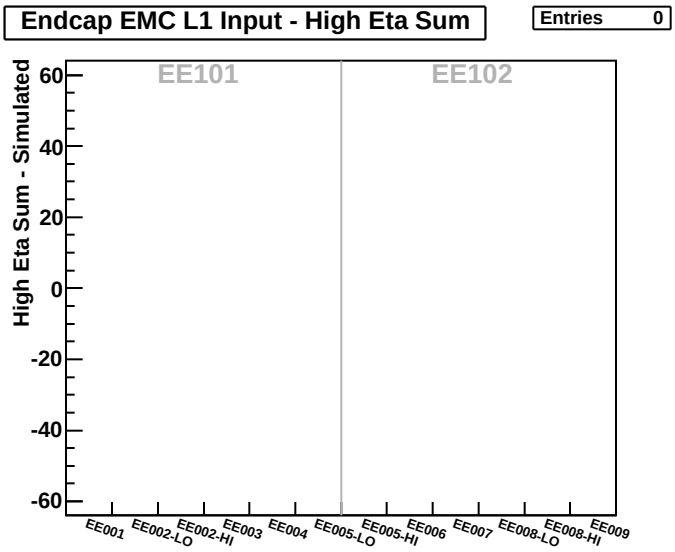

Barrel EMC L1 Input - High Tower Bits
Entries 3679488
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

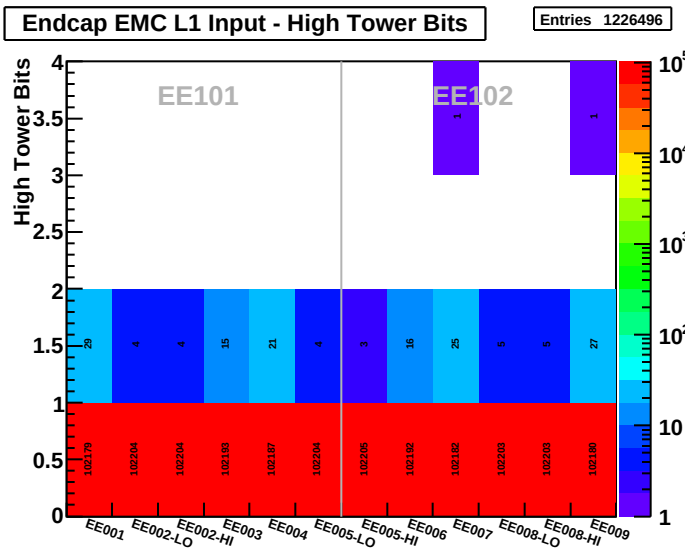

Barrel EMC L1 Input - High Tower Bits
Entries 3677641
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

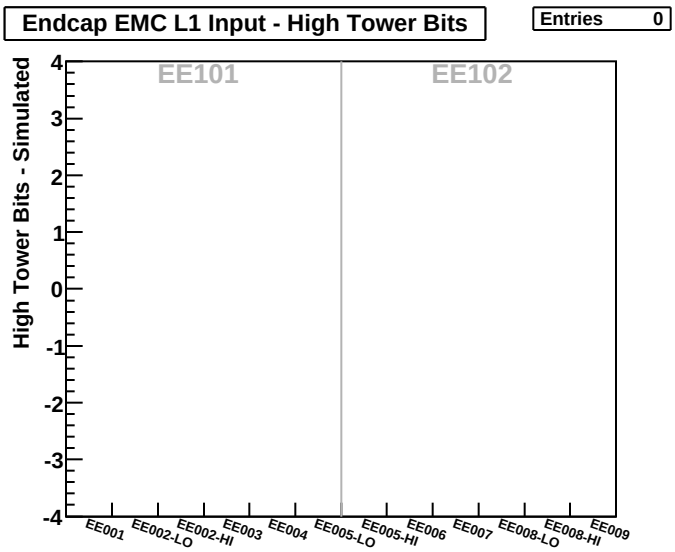

Endcap EMC L1 Input - Low Eta Sum
Entries 1226496
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

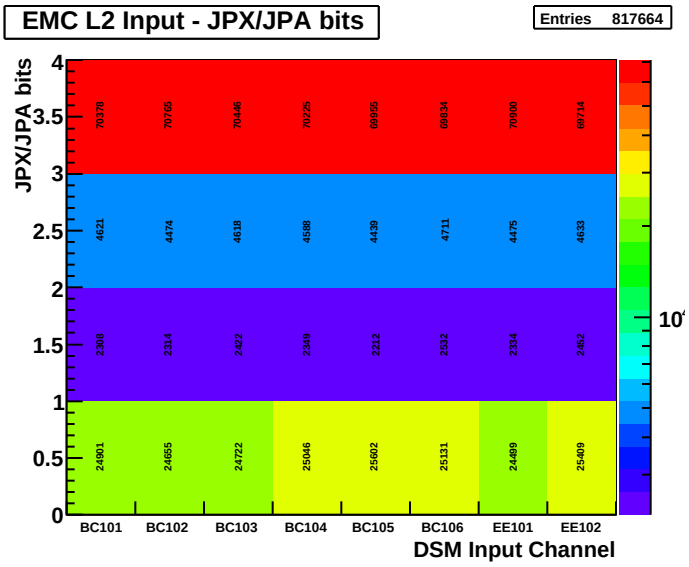

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

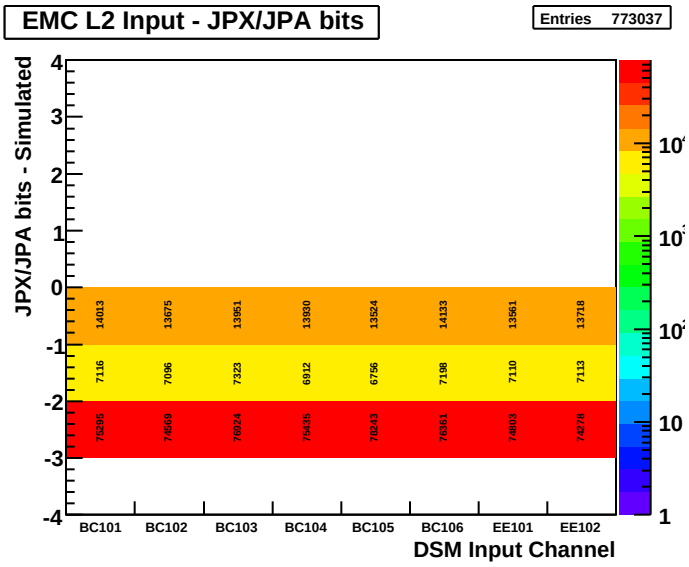

Endcap EMC L1 Input - High Eta Sum
Entries 1226496
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

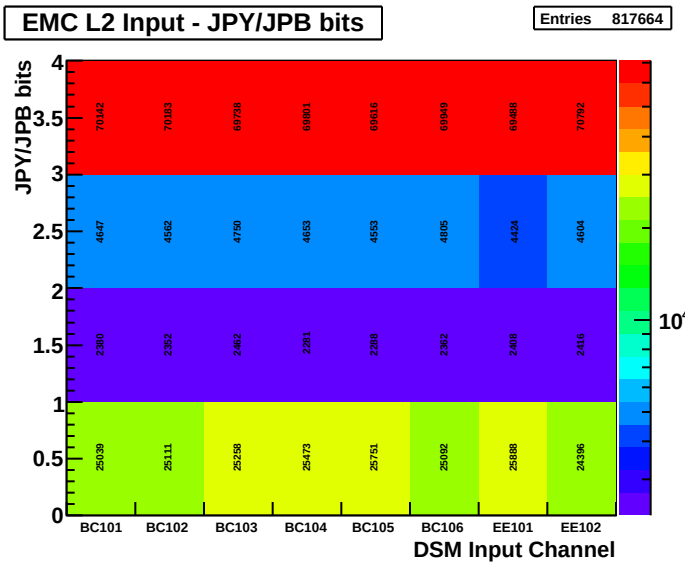

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

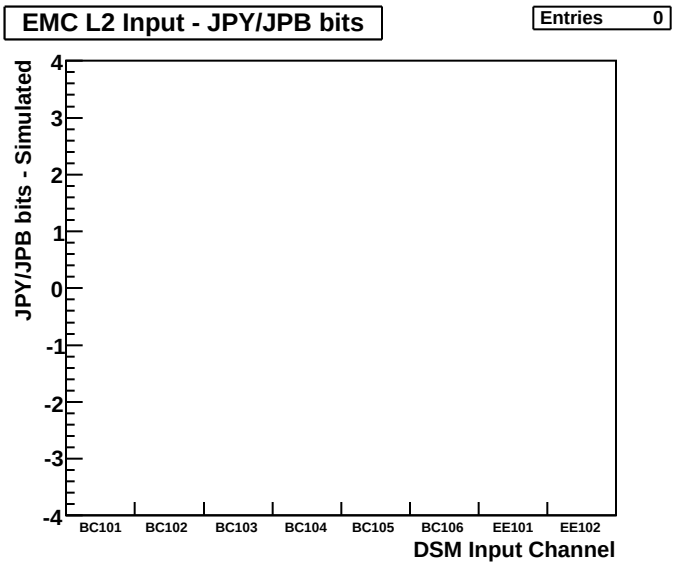

Endcap EMC L1 Input - High Tower Bits
Entries 1226496
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

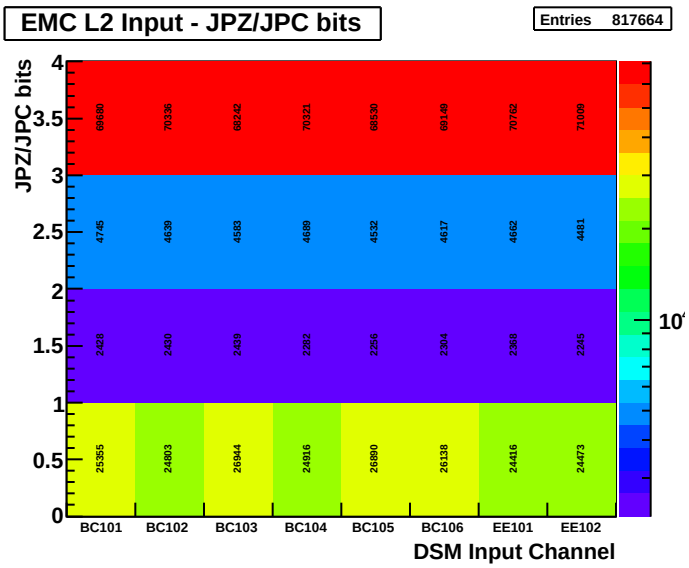

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

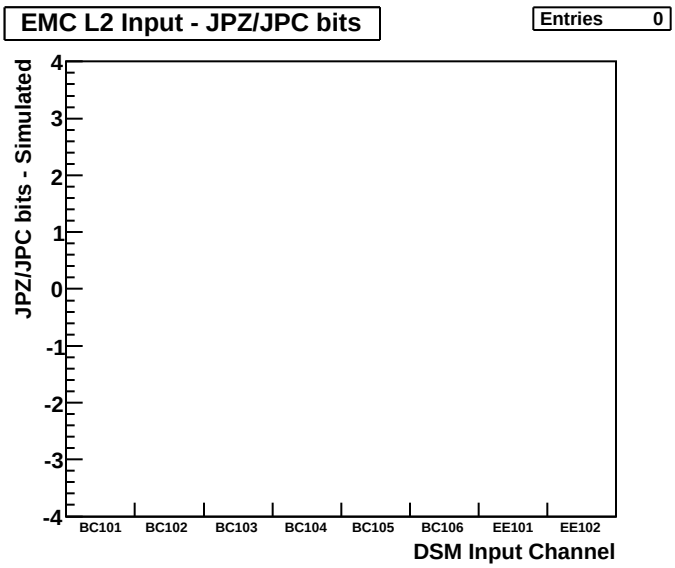

EMC L2 Input - JPX/JPA bits
Entries 817664
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
70378 70765 70446 70225 69955 69834 70900 69714
4621 4474 4618 4588 4439 4711 4475 4633
2308 2314 2422 2349 2212 2532 2334 2452
24901 24655 24722 25046 25602 25131 24409 25409

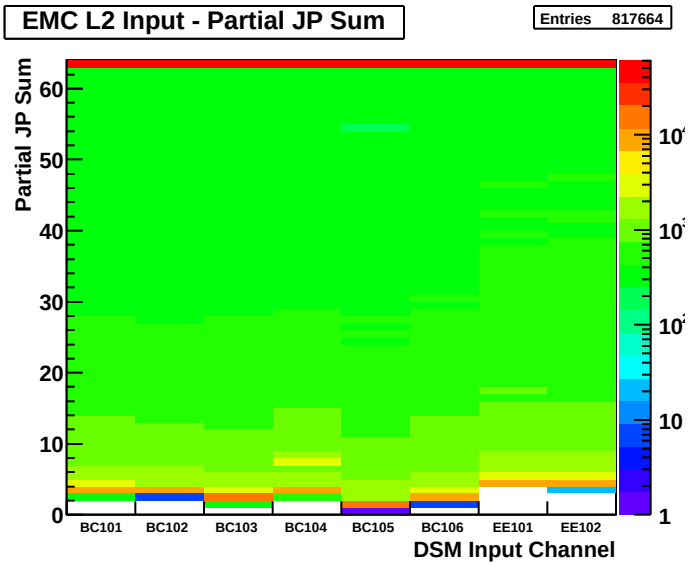

EMC L2 Input - JPX/JPA bits
Entries 773037
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
14013 13675 13951 13930 13524 14133 13561 13718
7116 7096 7323 6912 6756 7198 7110 7113
75295 74569 76924 75435 78243 76361 74803 74278

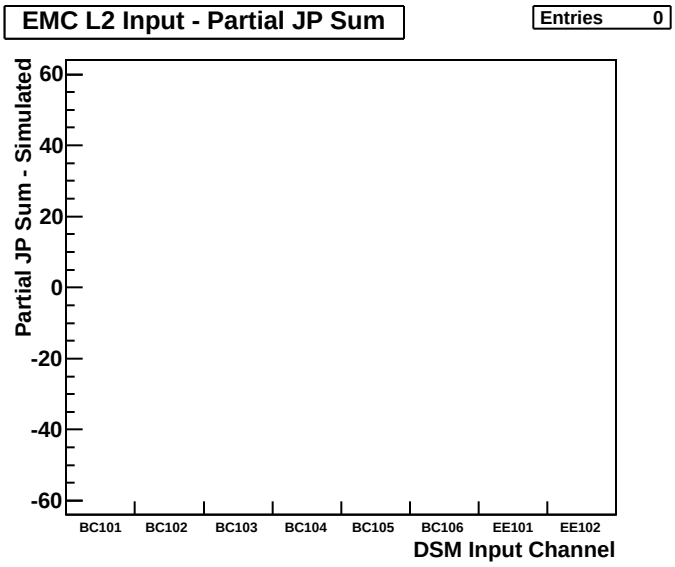

EMC L2 Input - JPY/JPB bits
Entries 817664
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
70142 70183 69738 69801 69616 69949 69488 70792
4647 4562 4750 4653 4553 4805 4424 4604
2380 2352 2462 2281 2238 2352 2408 2416
25039 25111 25258 25473 25751 25092 25888 24396

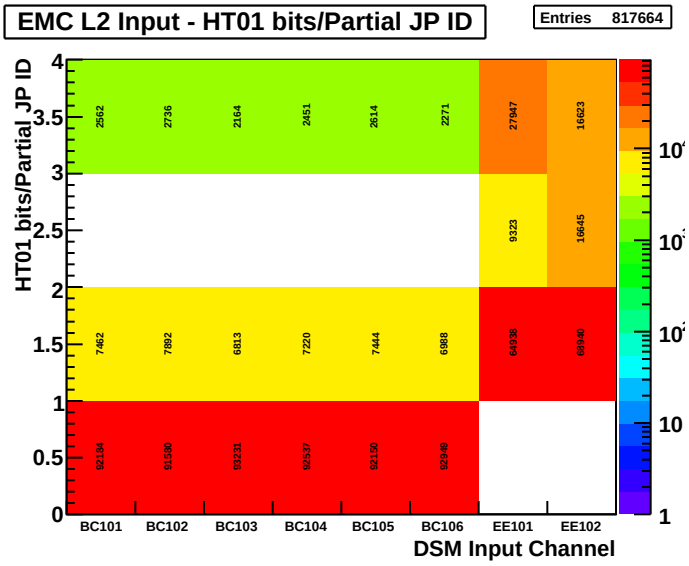

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

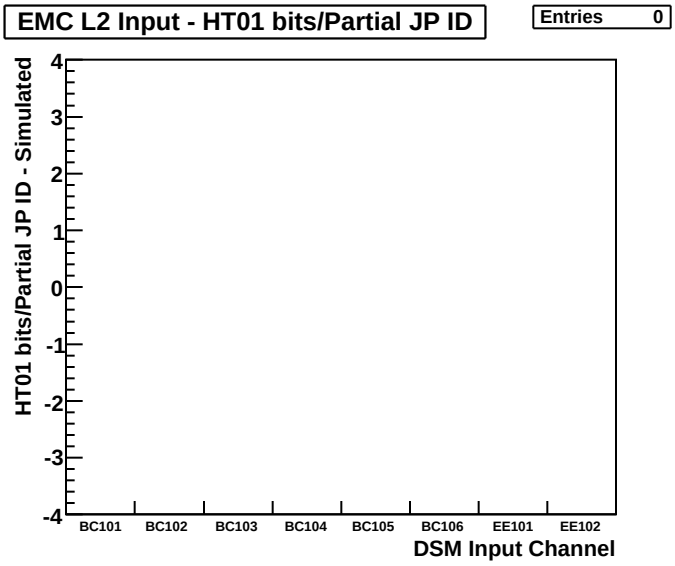

EMC L2 Input - JPZ/JPC bits
Entries 817664
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
68680 70336 68242 70321 68530 69149 70762 71009
4745 4639 4583 4689 4532 4617 4662 4481
2428 2430 2439 2282 2256 2304 2368 2245
25355 24803 26944 24916 26890 26138 24416 24473

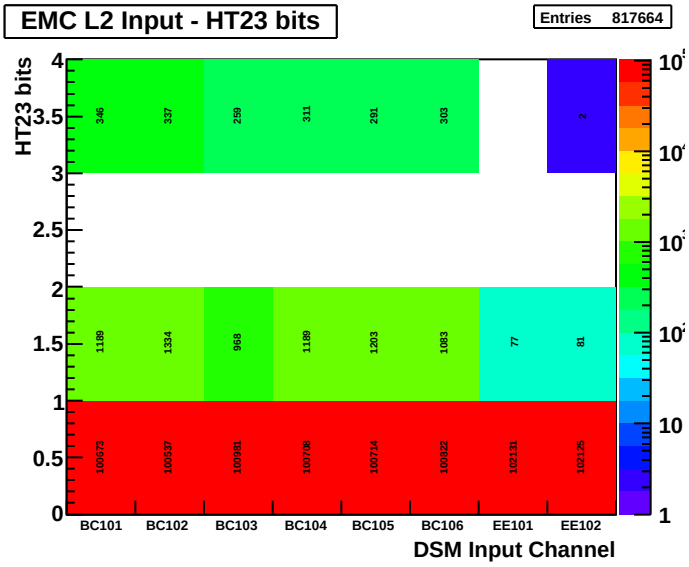

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

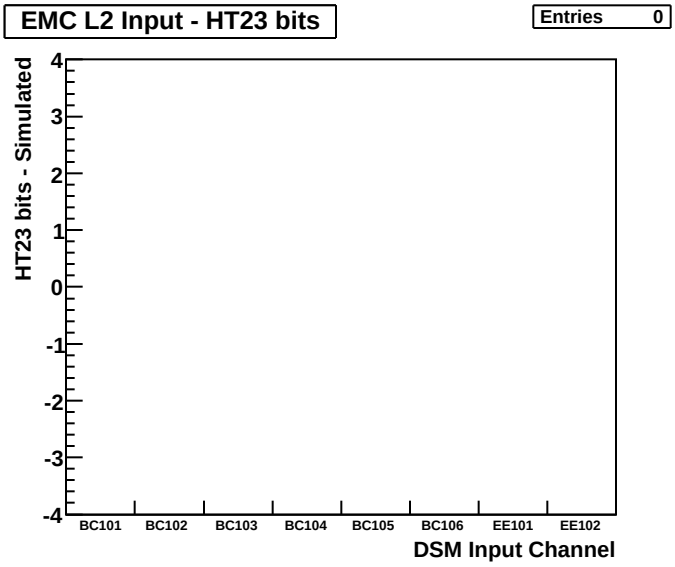

EMC L2 Input - Partial JP Sum
Entries 817664
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

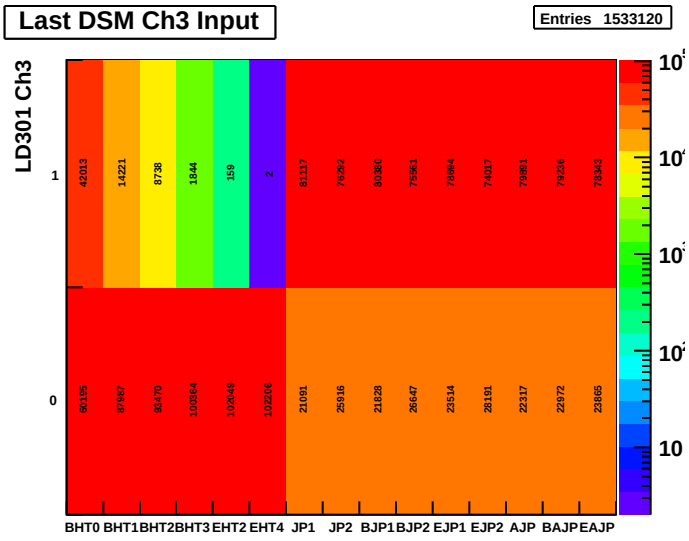

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

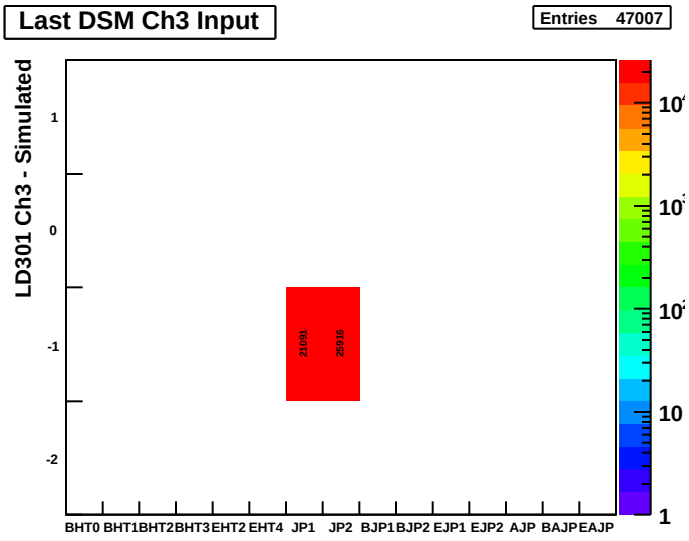

EMC L2 Input - HT01 bits/Partial JP ID
Entries 817664
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

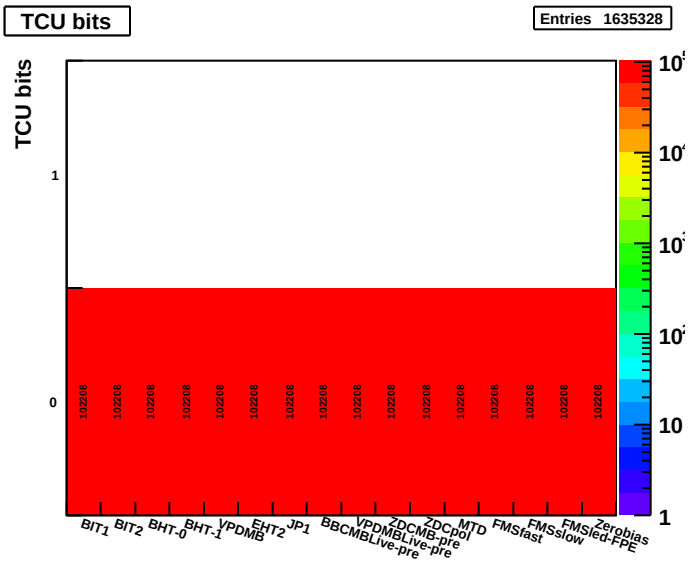

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

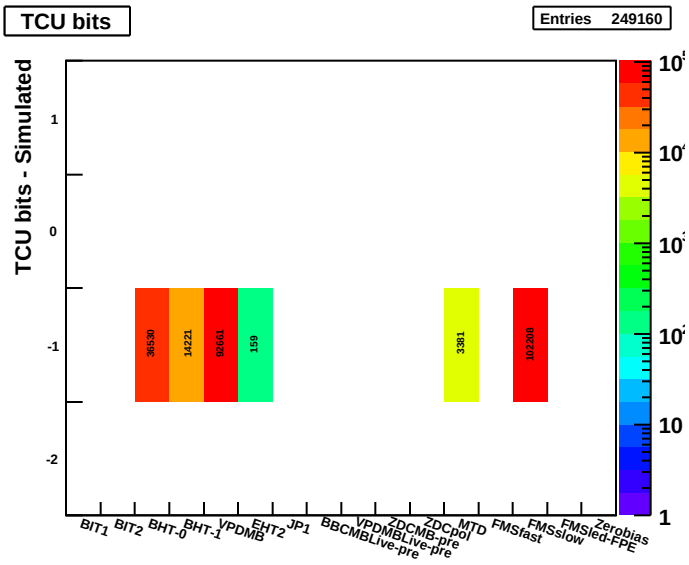

EMC L2 Input - HT23 bits
Entries 817664
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

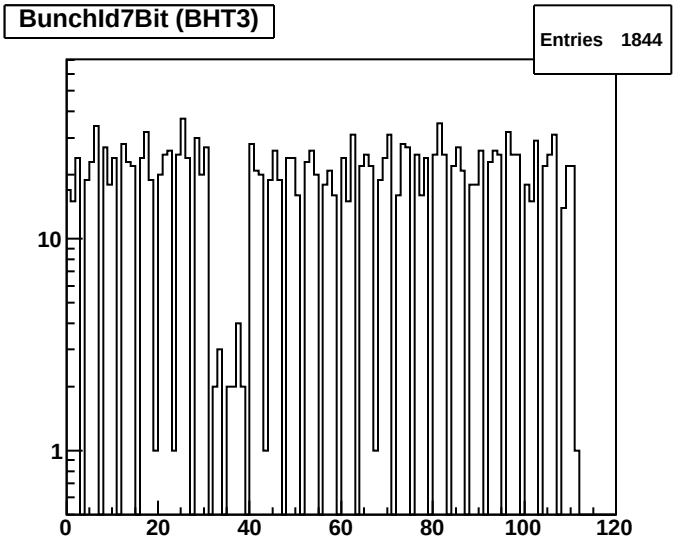

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

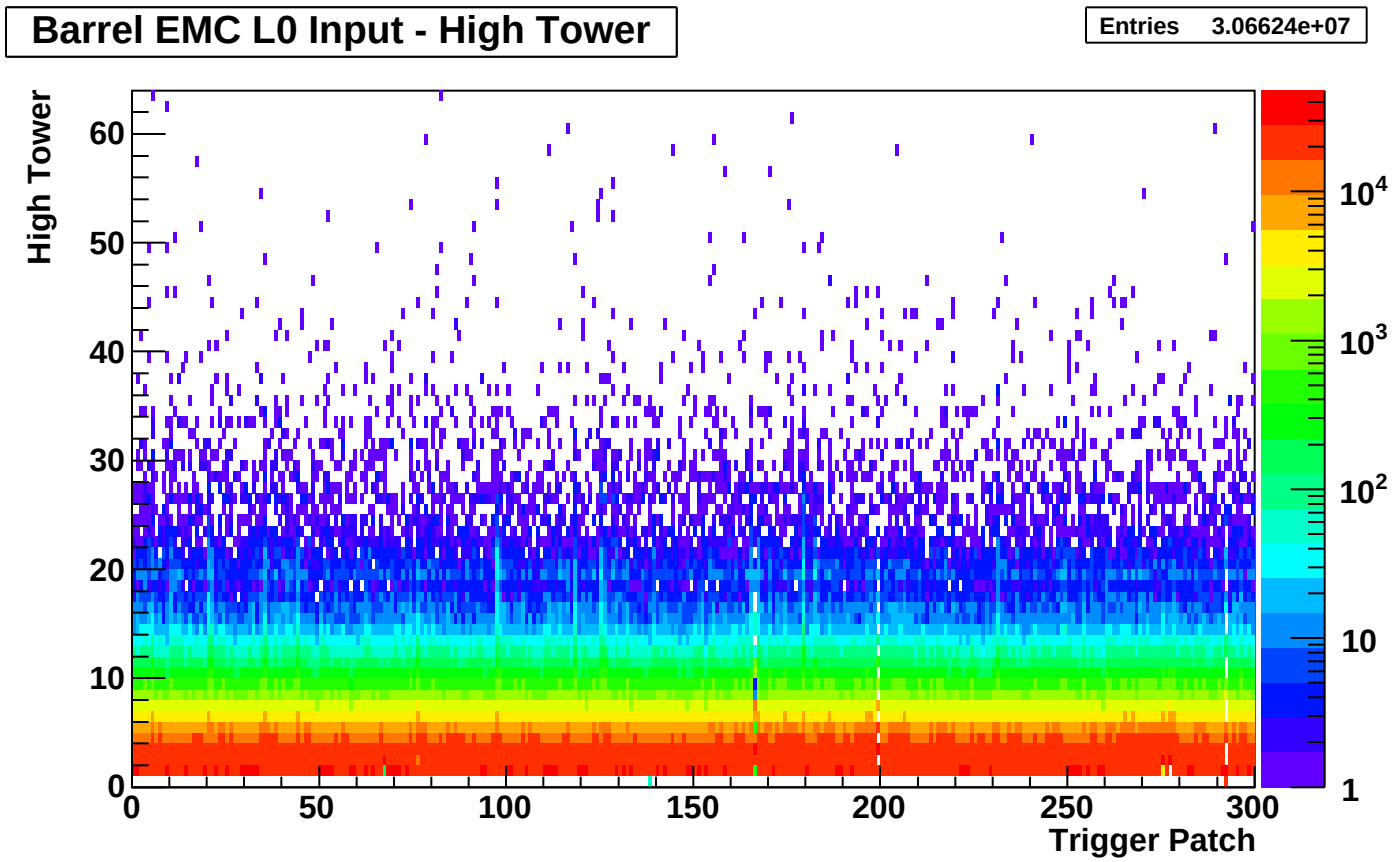

Last DSM Ch3 Input
Entries 1533120
LD301 Ch3
1
0
42013 14221 8738 1844 159 2 81117 76292 80380 75561 78694 74017 79891 79236 78343
60195 87987 93470 100364 102049 102206 21091 25916 21828 26647 23514 28191 22317 22972 23865
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

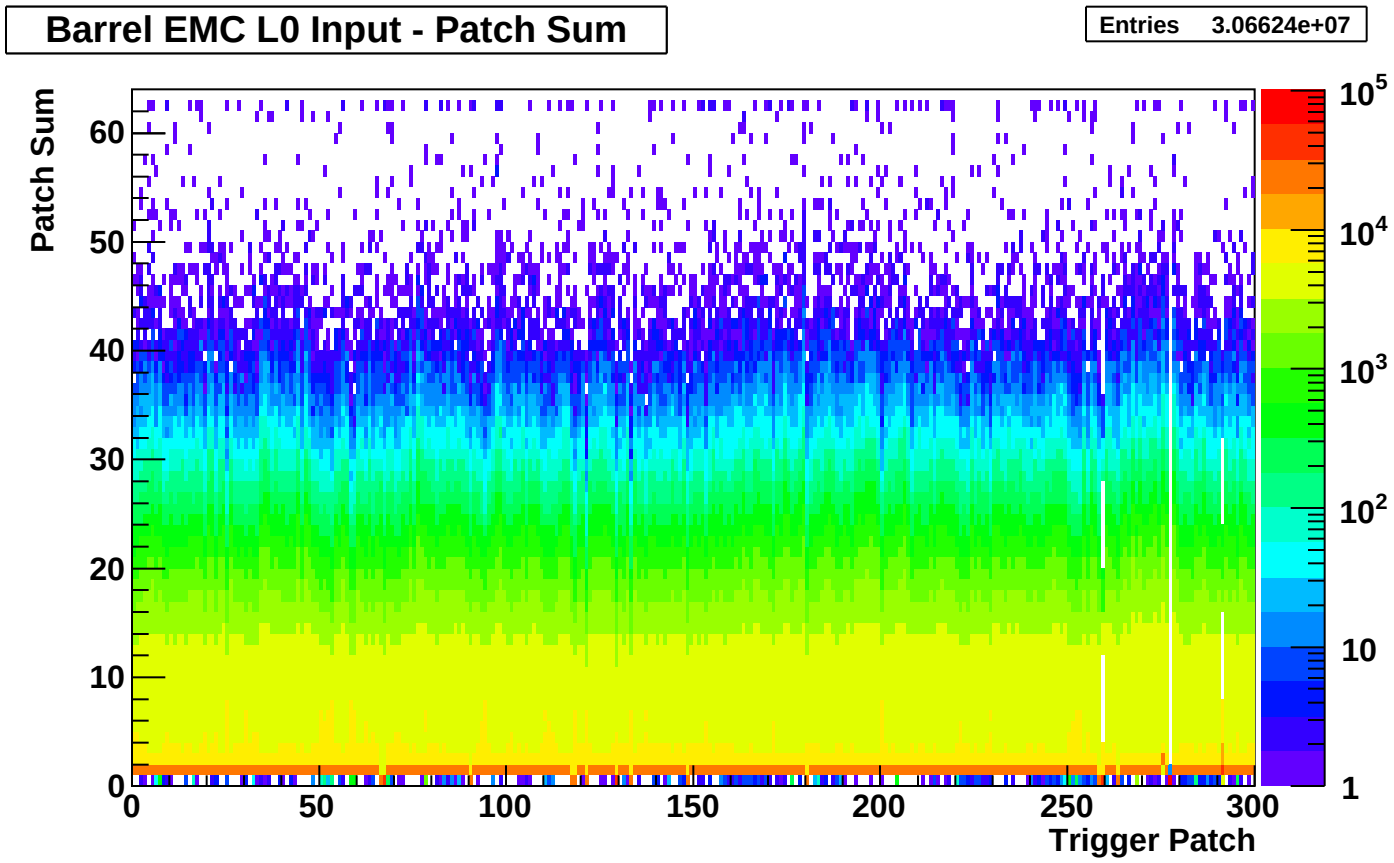

Last DSM Ch3 Input
Entries 47007
LD301 Ch3 - Simulated
1
0
-1
-2
21091 25916
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

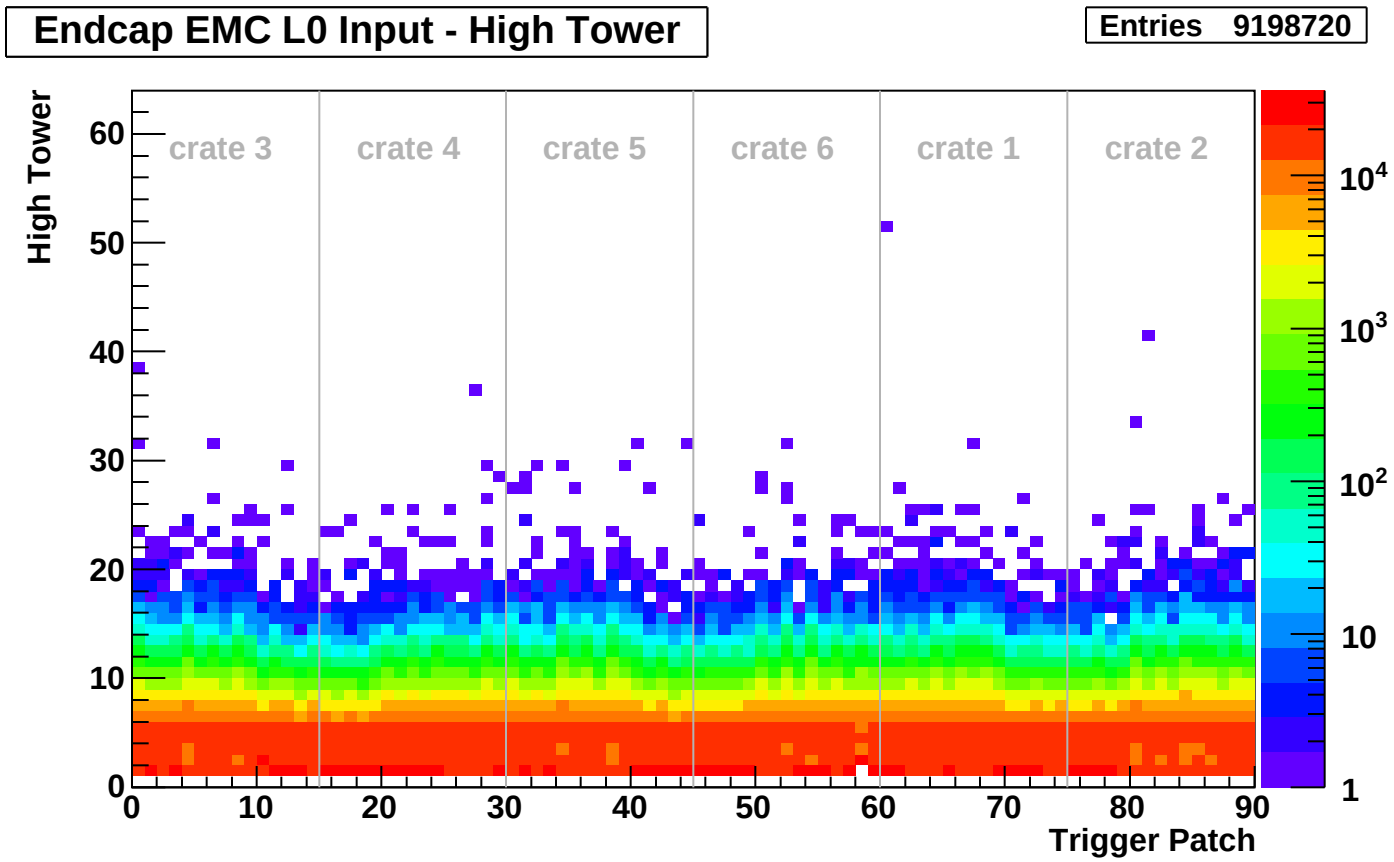

TCU bits
Entries 1635328
TCU bits
1
0
102208
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

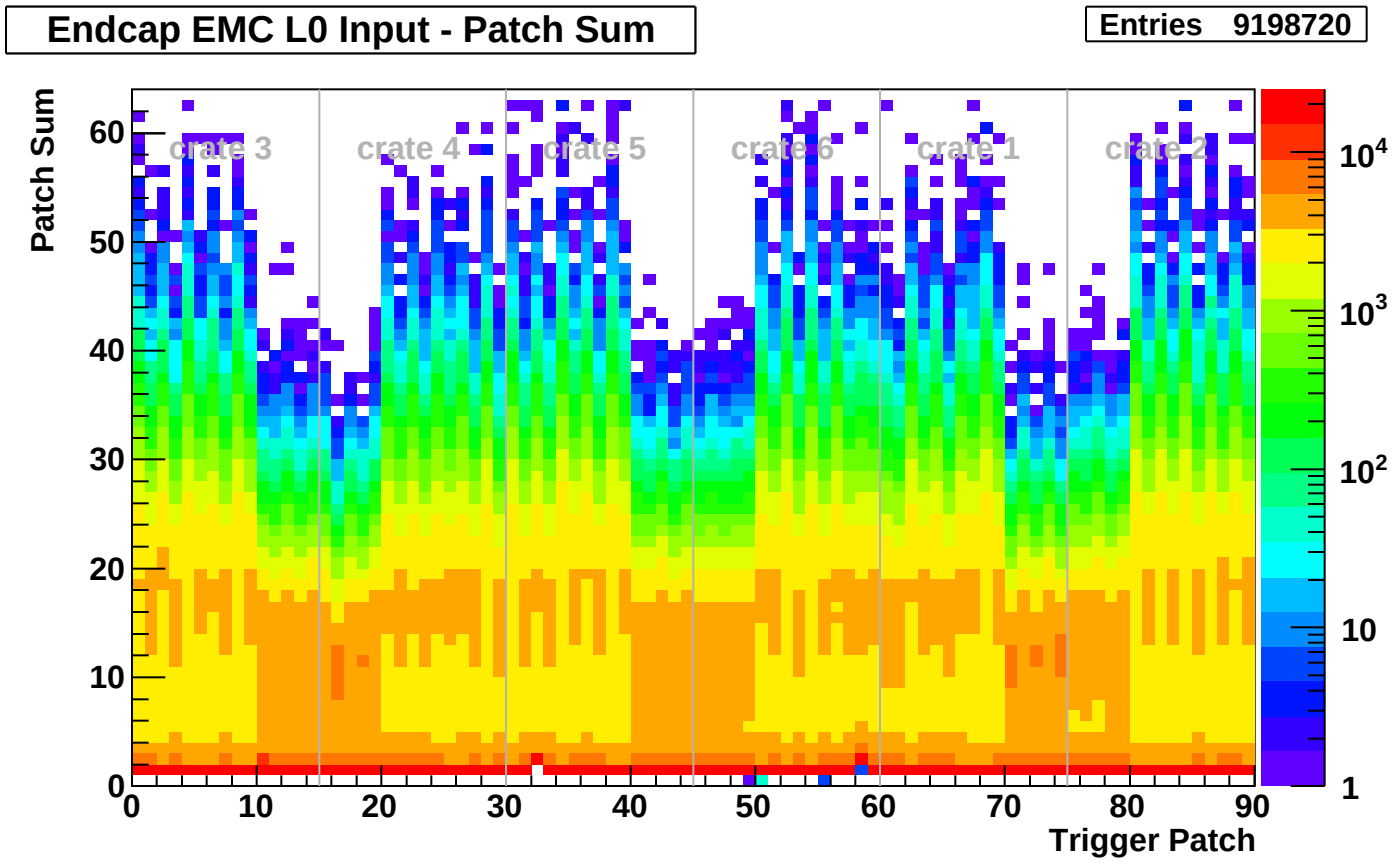

TCU bits
Entries 249160
TCU bits - Simulated
1
0
-1
-2
36530 14221 92661 159 3381 102208
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

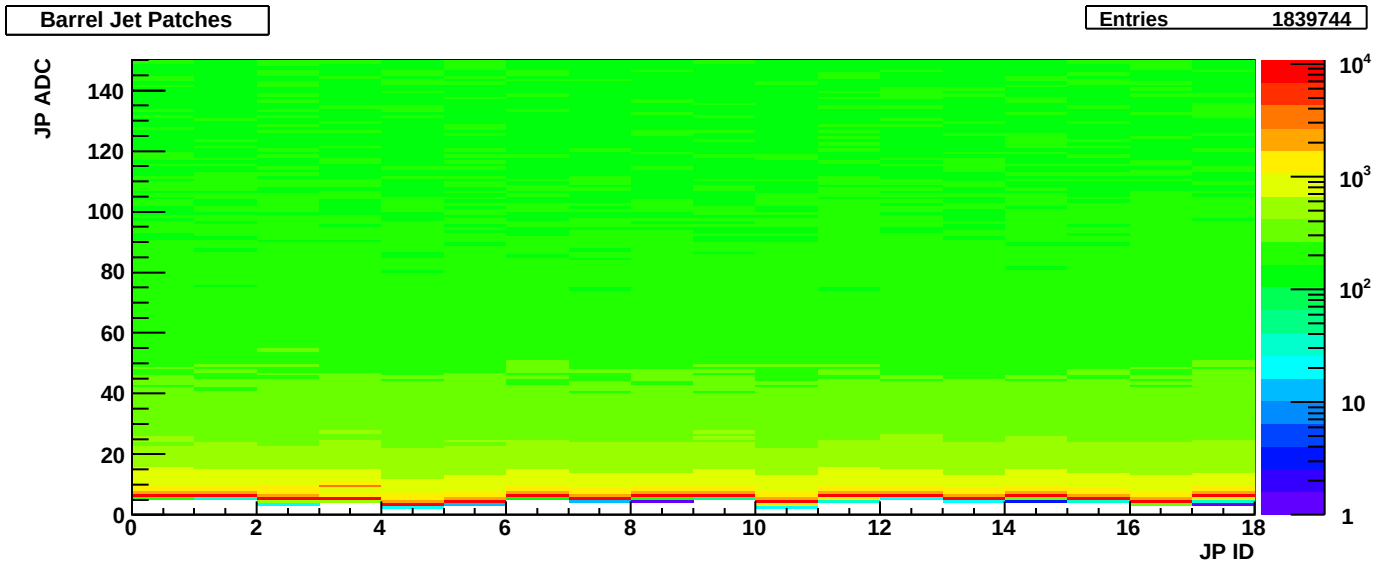

BunchId7Bit (BHT3)
Entries 1844
10
1
0 20 40 60 80 100 120

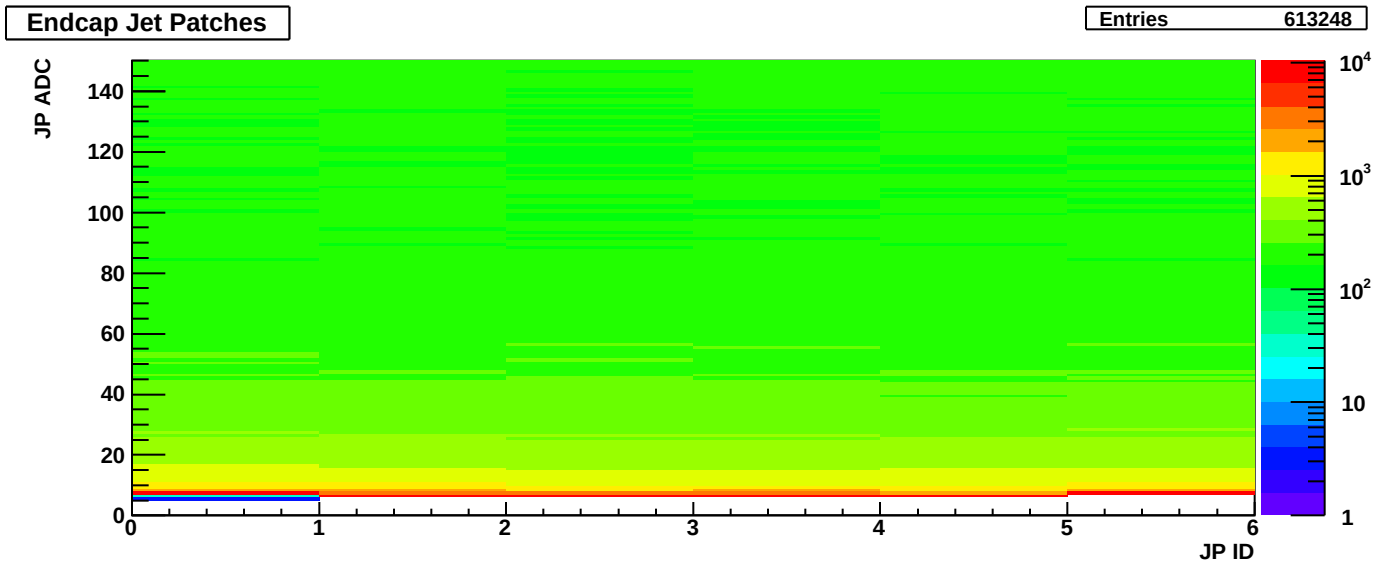

Barrel EMC L0 Input - High Tower
Entries 3.06624e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

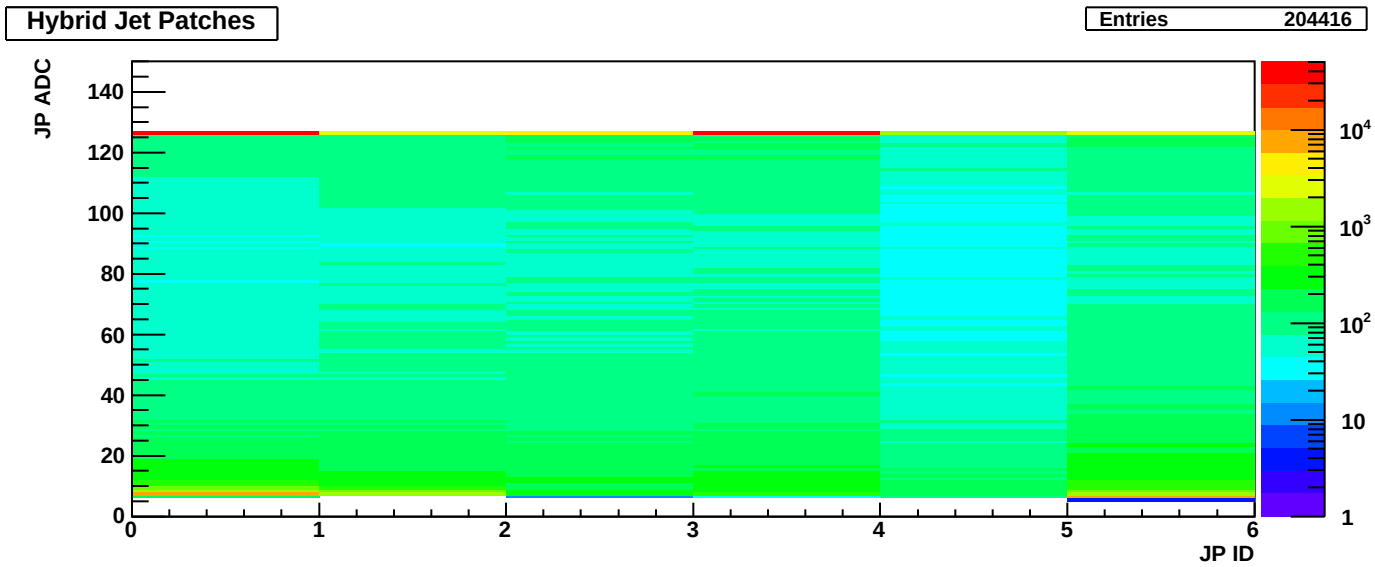

Barrel EMC L0 Input - Patch Sum
Entries 3.06624e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

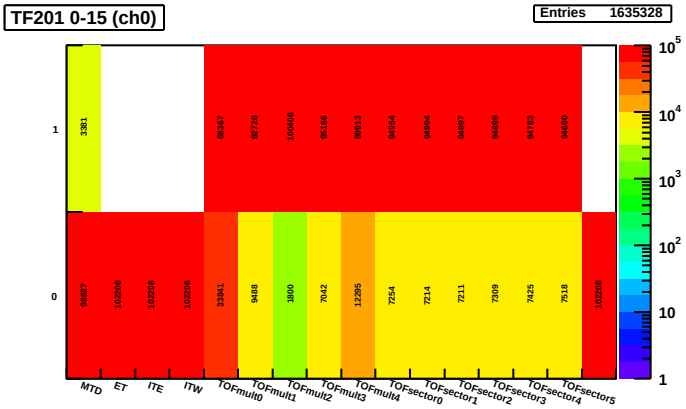

Endcap EMC L0 Input - High Tower
Entries 9198720
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

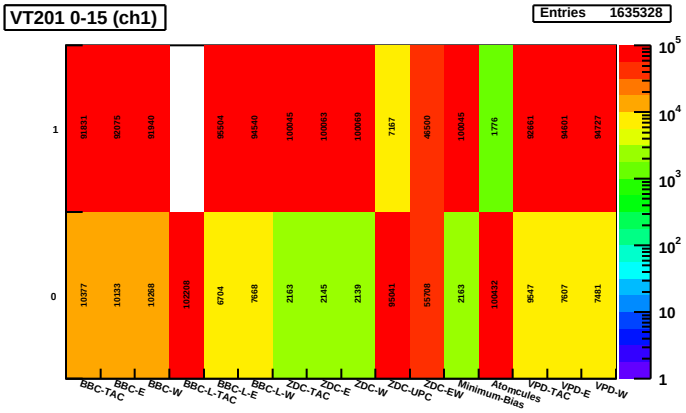

Endcap EMC L0 Input - Patch Sum
Entries 9198720
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

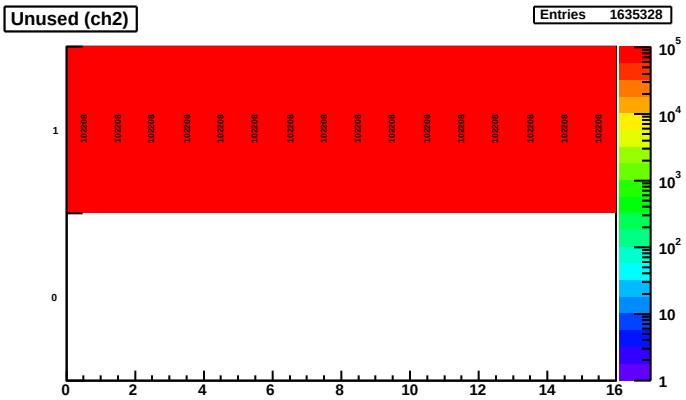

Barrel Jet Patches
Entries 1839744
JP ADC
JP ID

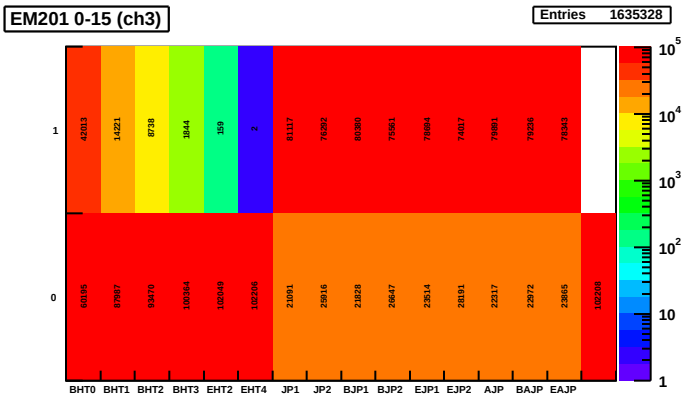

Endcap Jet Patches
Entries 613248
JP ADC
JP ID

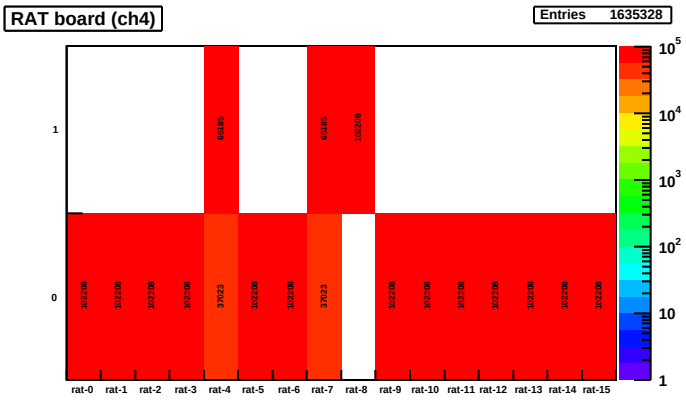

Hybrid Jet Patches
Entries 204416
JP ADC
JP ID

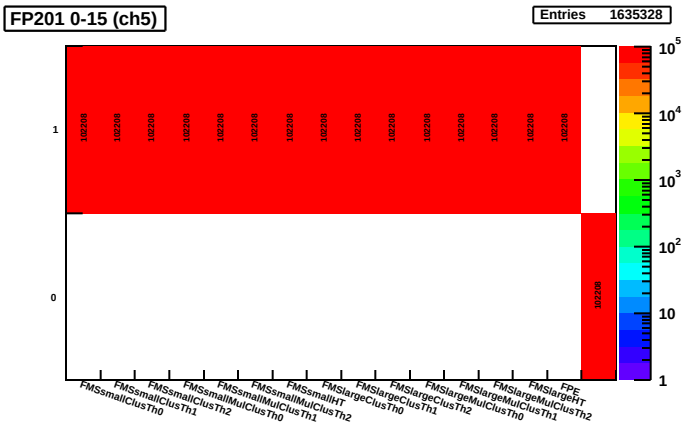

TF201 0-15 (ch0)
Entries 1635328
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

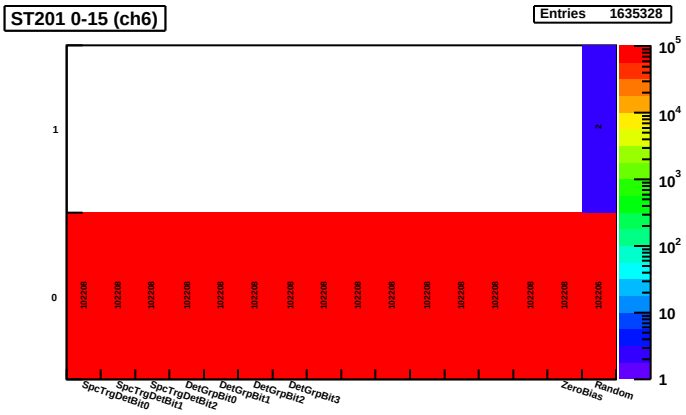

VT201 0-15 (ch1)
Entries 1635328
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

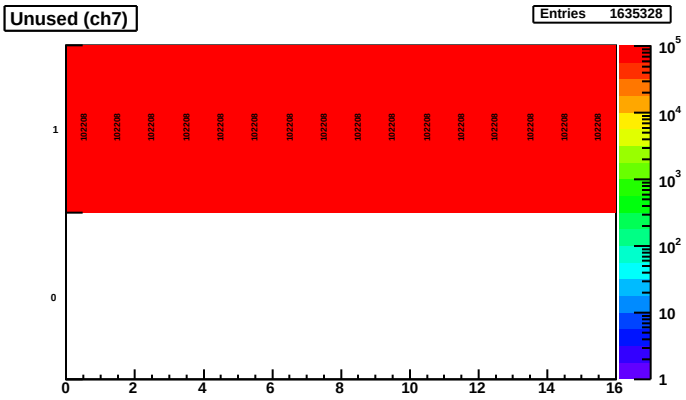

Unused (ch2)
Entries 1635328

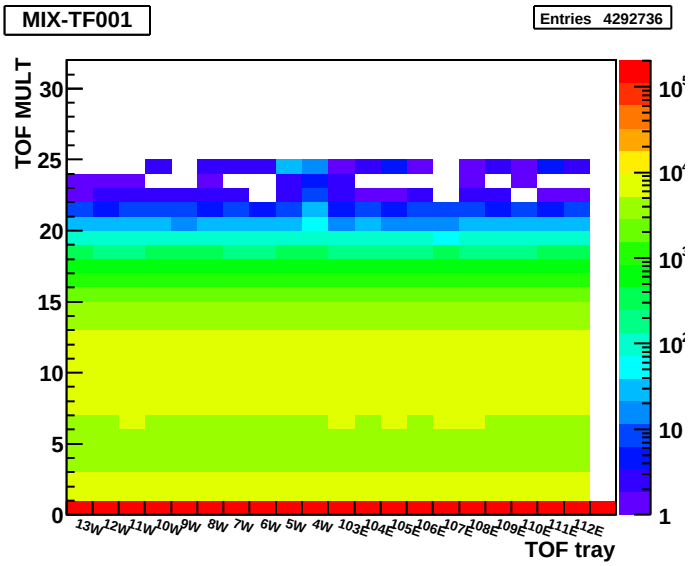

EM201 0-15 (ch3)
Entries 1635328
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

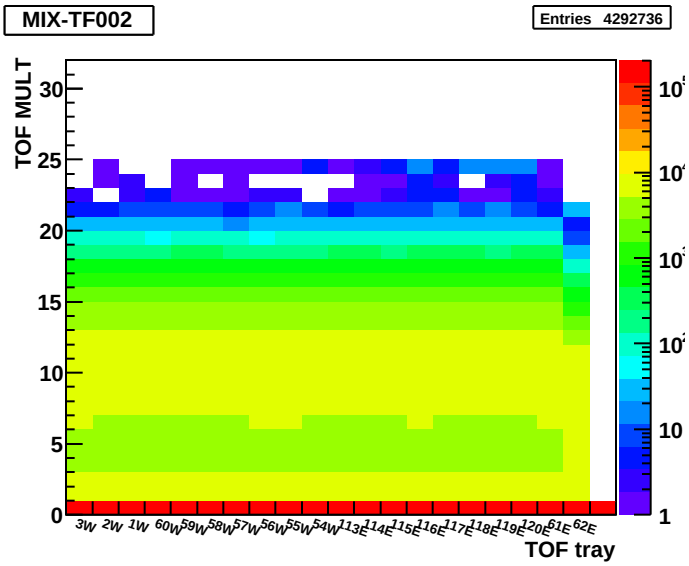

RAT board (ch4)
Entries 1635328
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

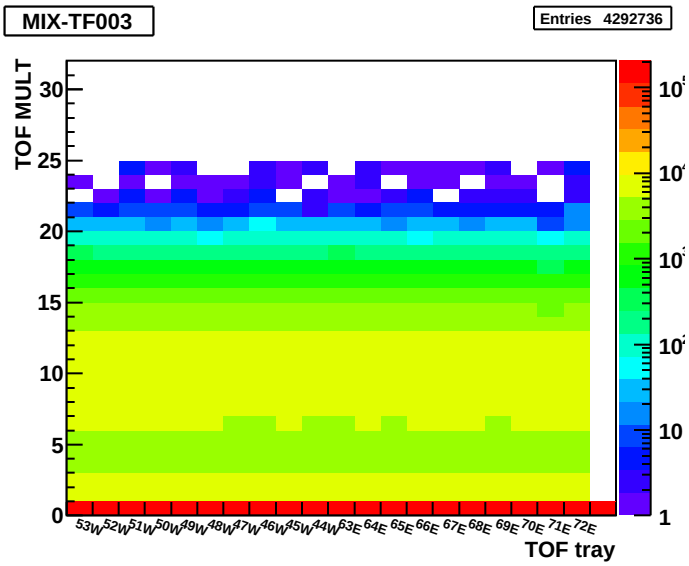

FP201 0-15 (ch5)
Entries 1635328
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

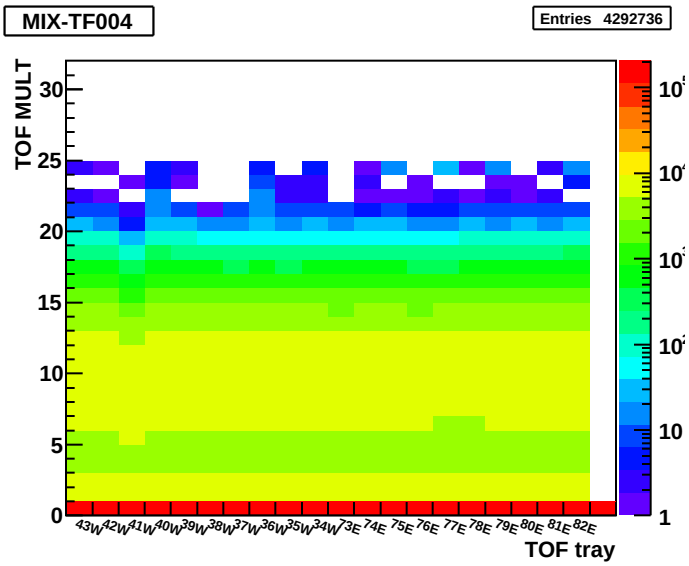

ST201 0-15 (ch6)
Entries 1635328
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

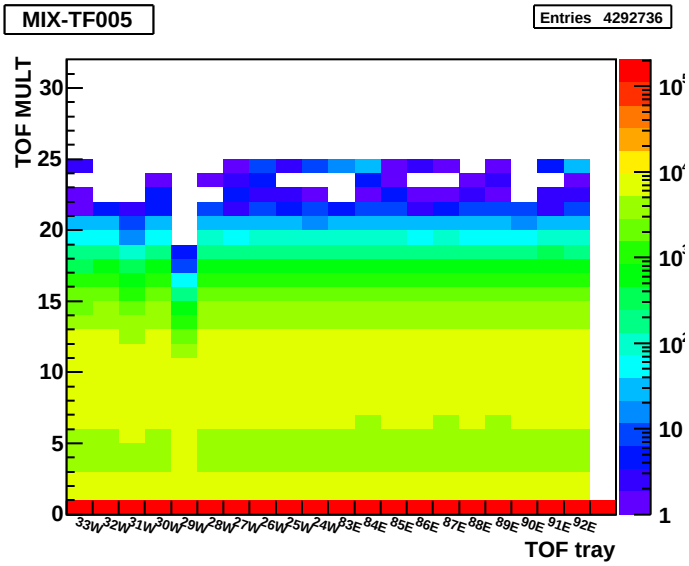

Unused (ch7)
Entries 1635328

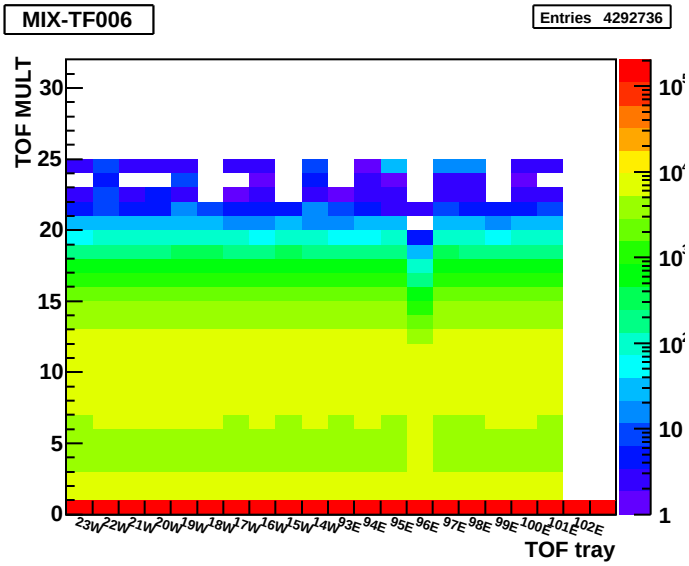

MIX-TF001
Entries 4292736
TOF MULT
TOF tray

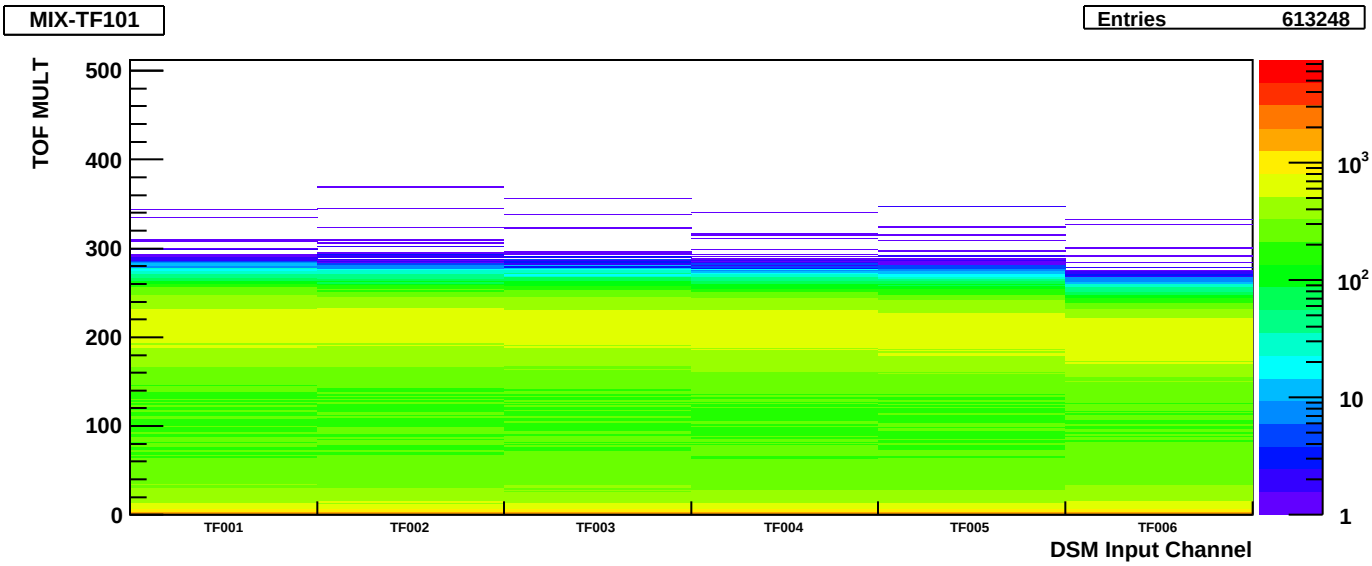

MIX-TF002
Entries 4292736
TOF MULT
TOF tray

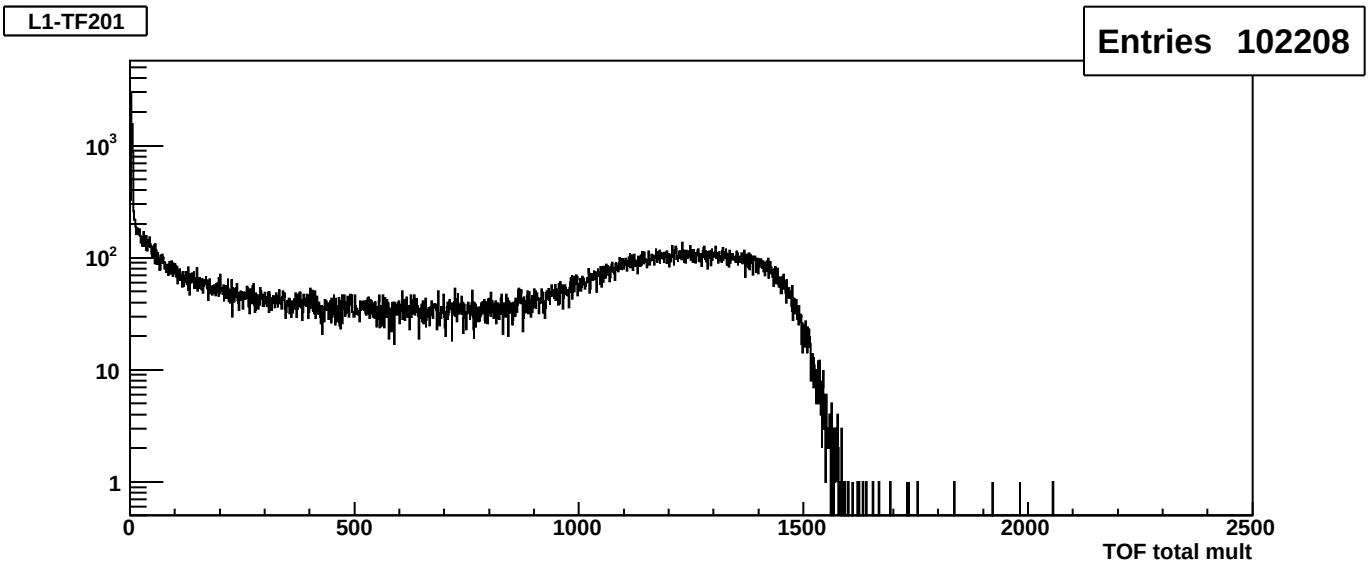

MIX-TF003
Entries 4292736
TOF MULT
TOF tray

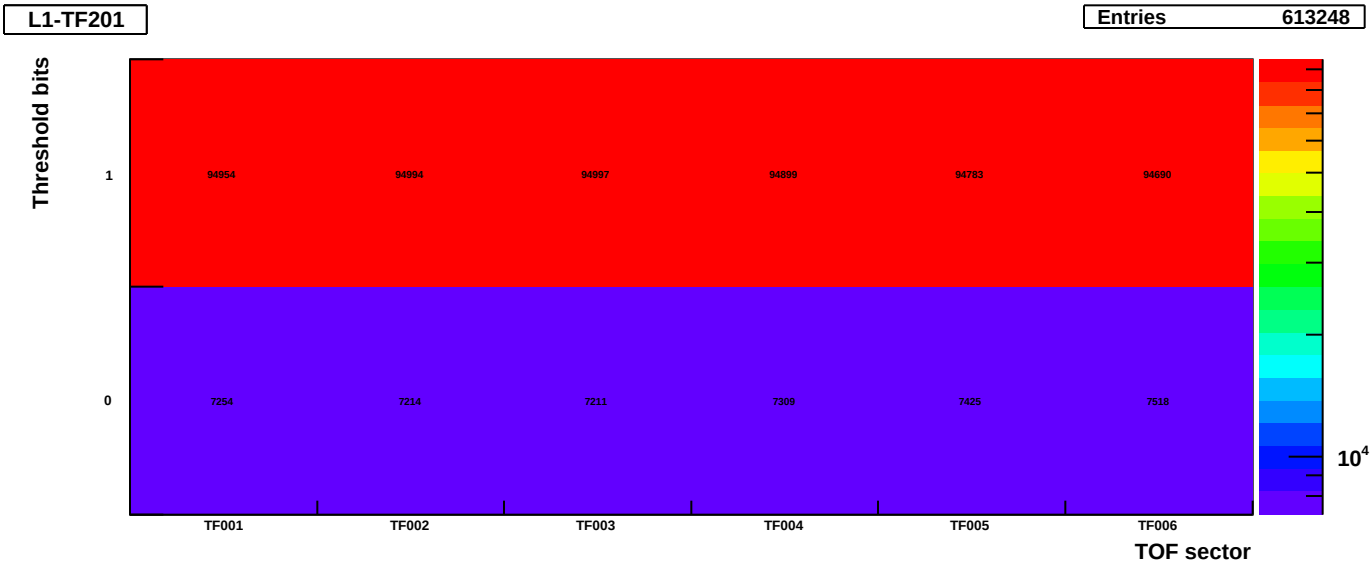

MIX-TF004
Entries 4292736
TOF MULT
TOF tray

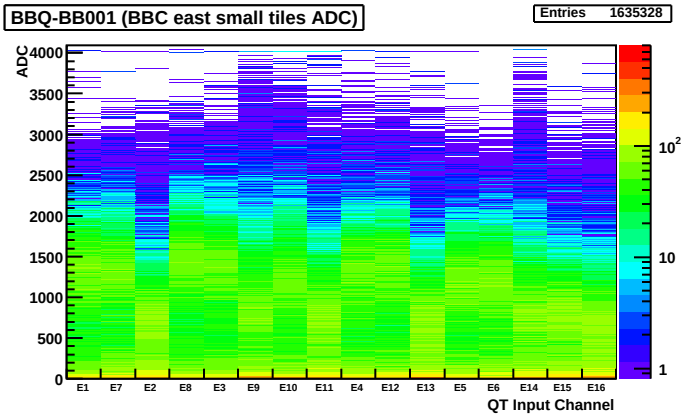

MIX-TF005
Entries 4292736
TOF MULT
TOF tray

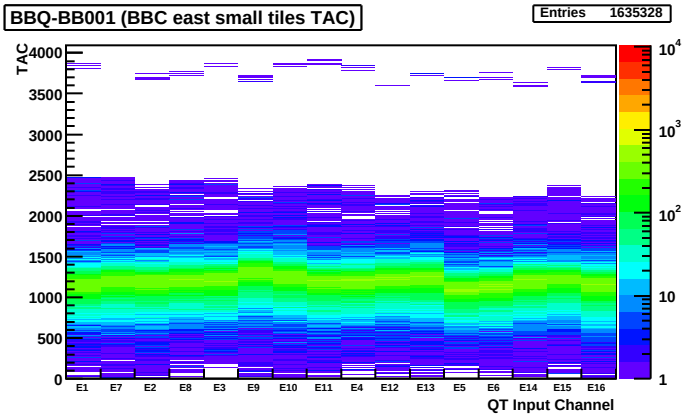

MIX-TF006
Entries 4292736
TOF MULT
TOF tray

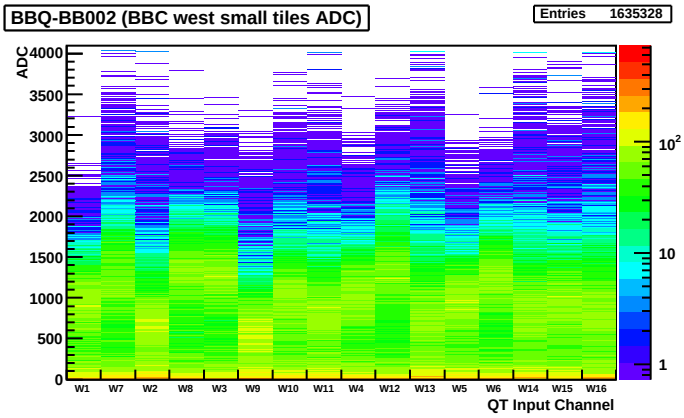

MIX-TF101
Entries 613248
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

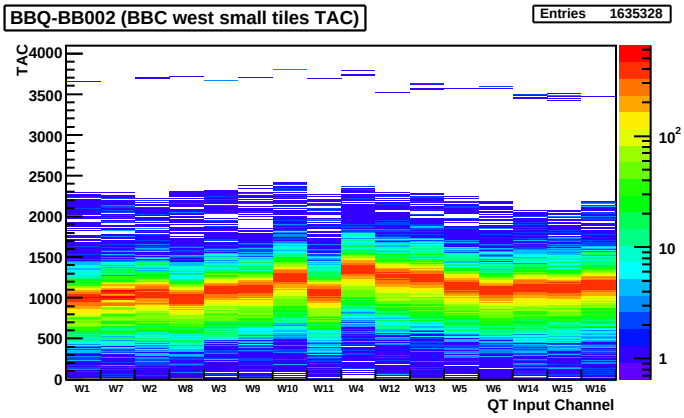

L1-TF201
Entries 102208
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

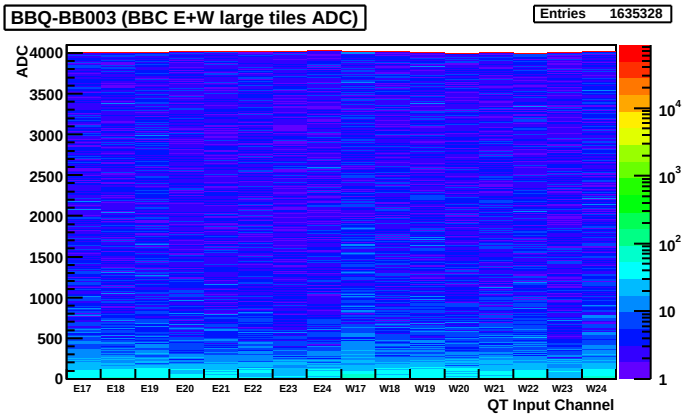

L1-TF201
Entries 613248
Threshold bits
1
0
94954
94994
94997
94899
94783
94690
7254
7214
7211
7309
7425
7518
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

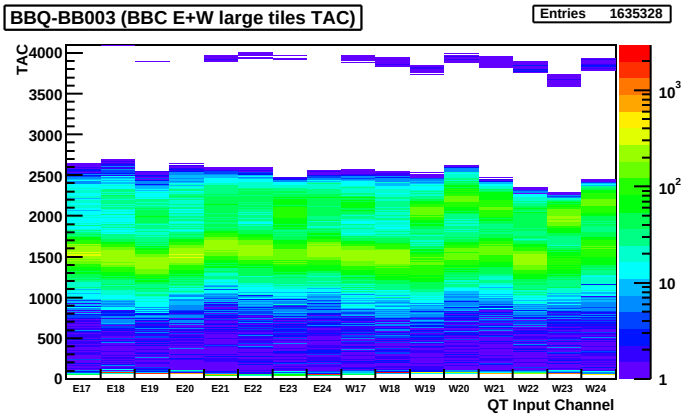

BBQ-BB001 (BBC east small tiles ADC)
Entries 1635328
ADC
QT Input Channel

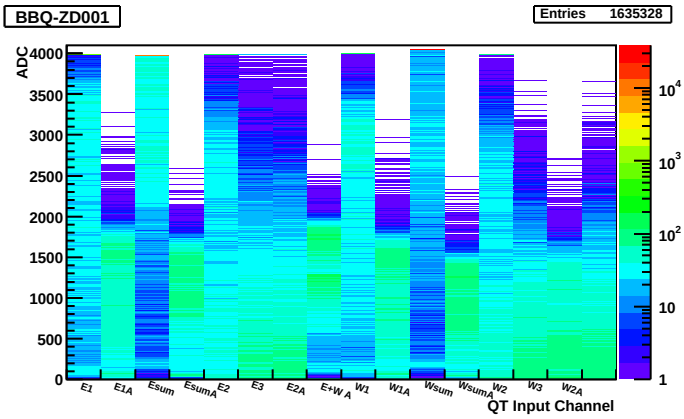

BBQ-BB001 (BBC east small tiles TAC)
Entries 1635328
TAC
QT Input Channel

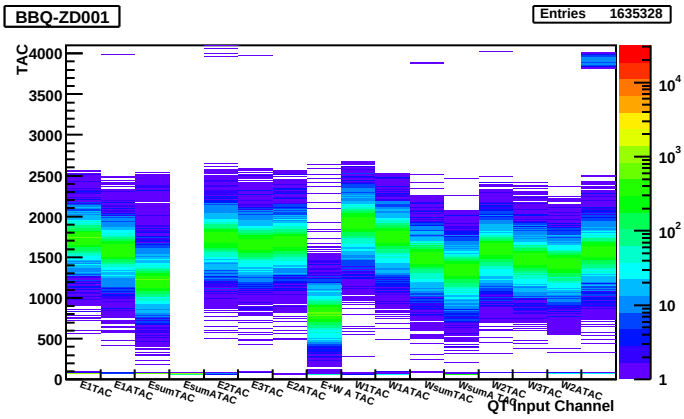

BBQ-BB002 (BBC west small tiles ADC)
Entries 1635328
ADC
QT Input Channel

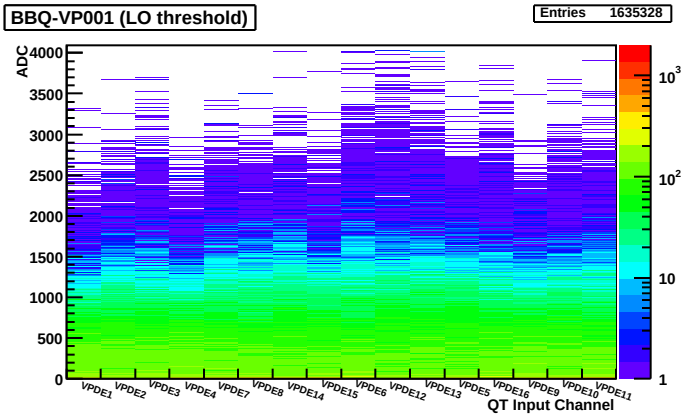

BBQ-BB002 (BBC west small tiles TAC)
Entries 1635328
TAC
QT Input Channel

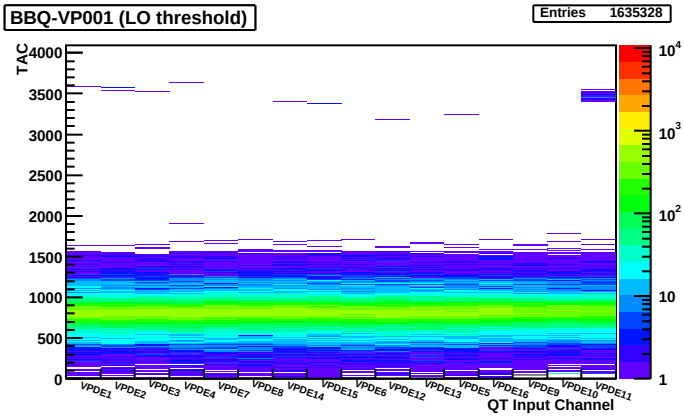

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1635328
ADC
QT Input Channel

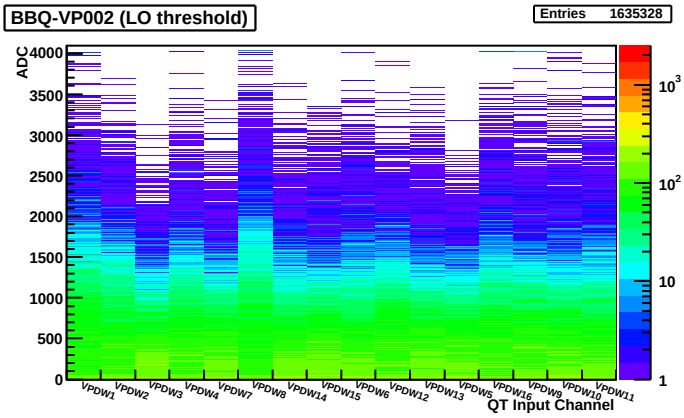

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1635328
TAC
QT Input Channel

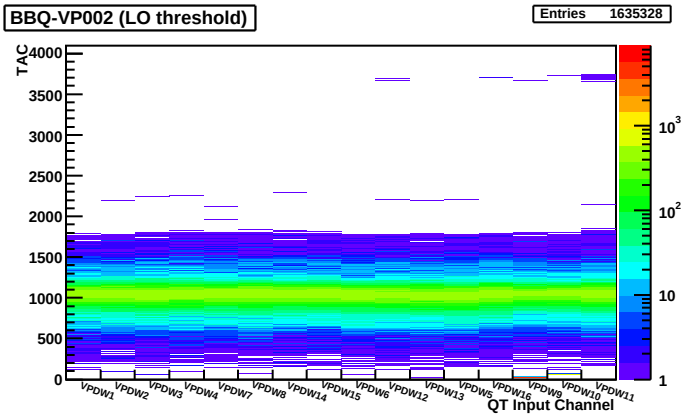

BBQ-ZD001
Entries 1635328
ADC
QT Input Channel

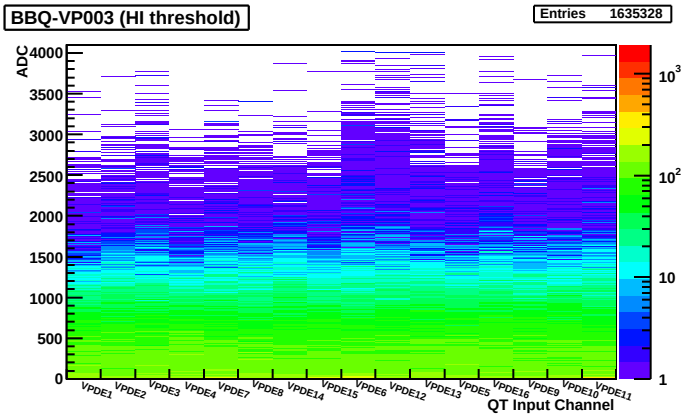

BBQ-ZD001
Entries 1635328
TAC
QT Input Channel

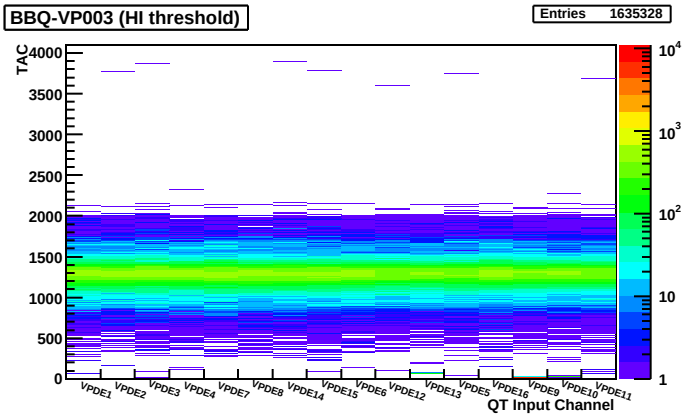

BBQ-VP001 (LO threshold)
Entries 1635328
ADC
QT Input Channel

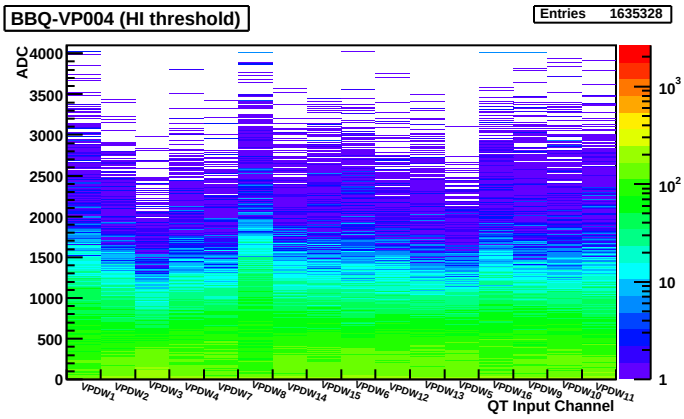

BBQ-VP001 (LO threshold)
Entries 1635328
TAC
QT Input Channel

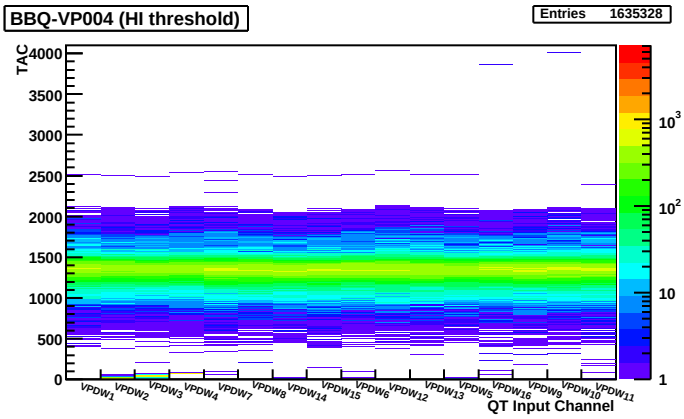

BBQ-VP002 (LO threshold)
Entries 1635328
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 1635328
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1635328
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1635328
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1635328
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1635328
TAC
QT Input Channel