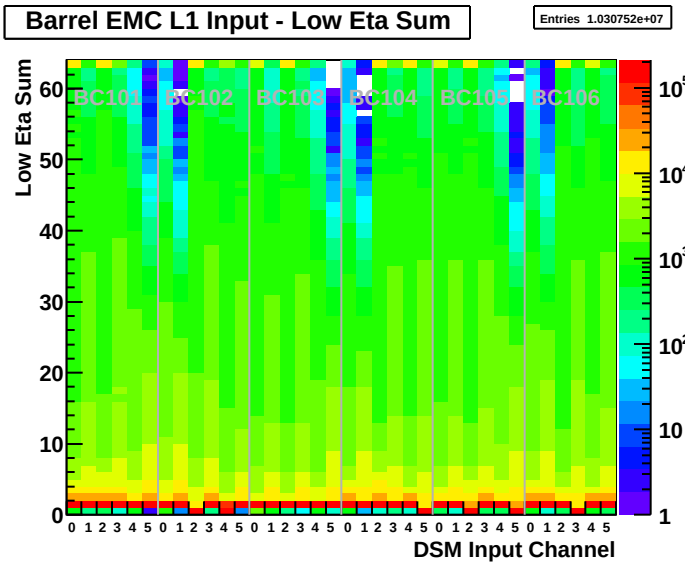
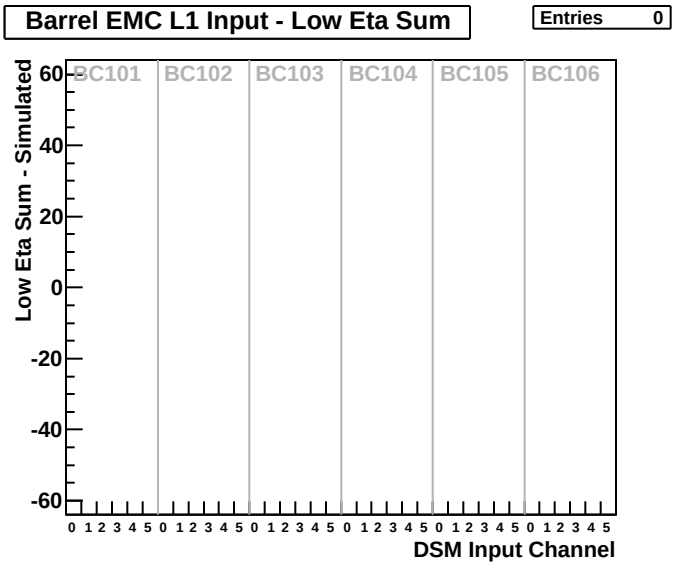
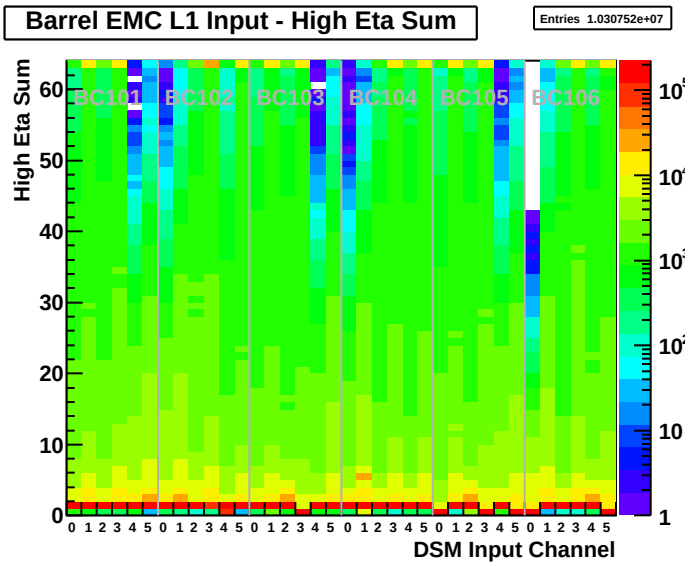
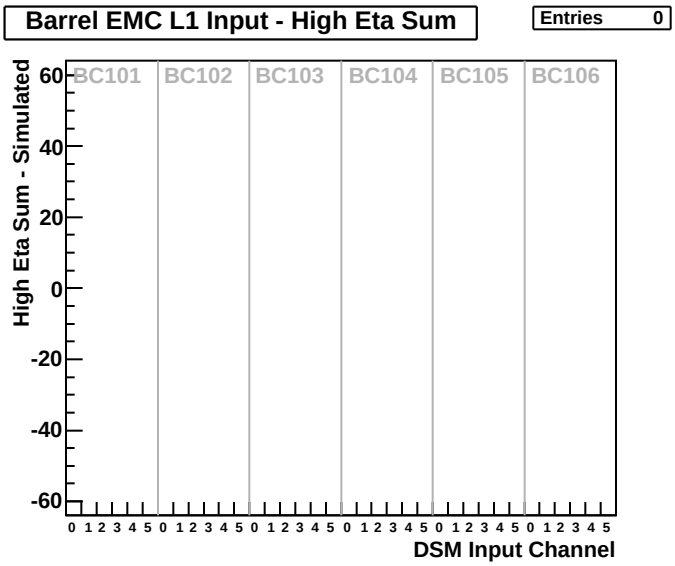
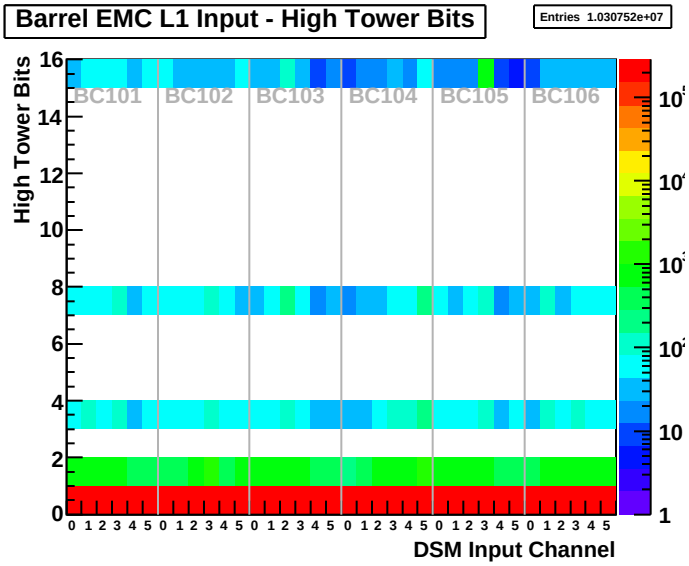
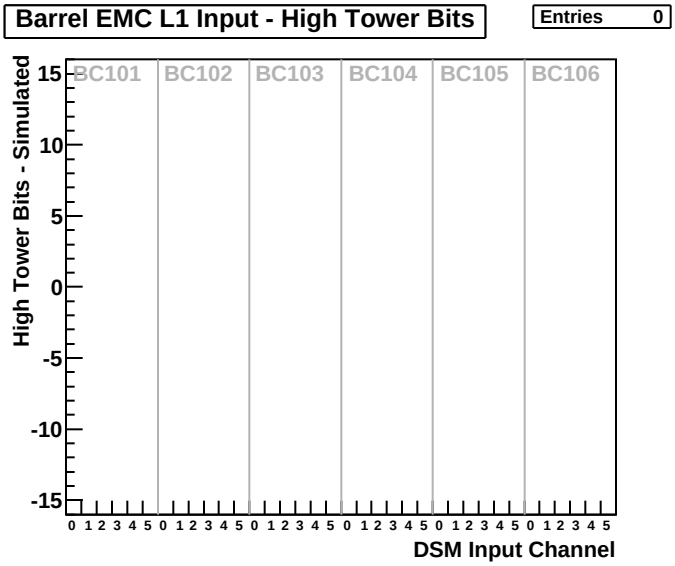

Barrel EMC L1 Input - Low Eta Sum
Entries 1.030752e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

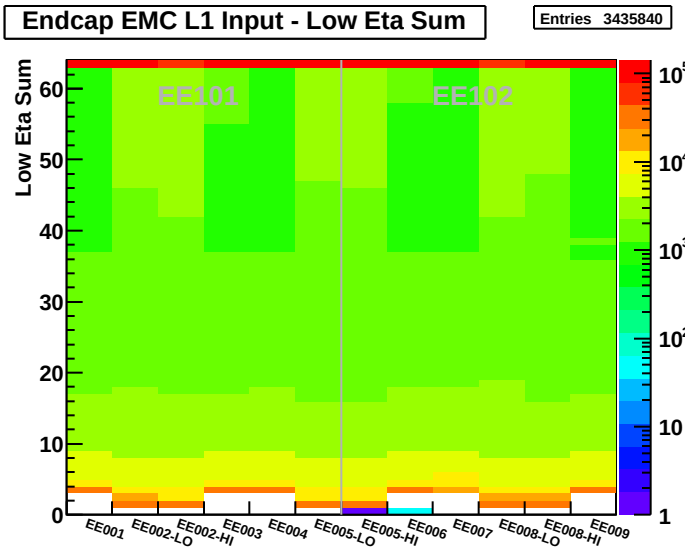

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

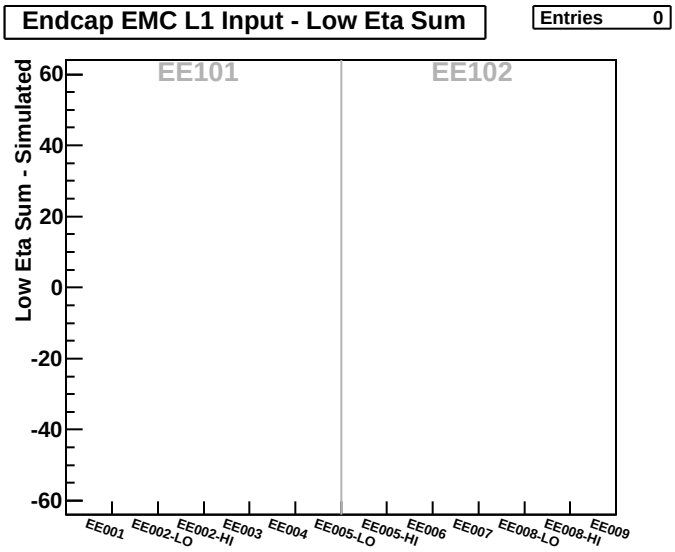

Barrel EMC L1 Input - High Eta Sum
Entries 1.030752e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

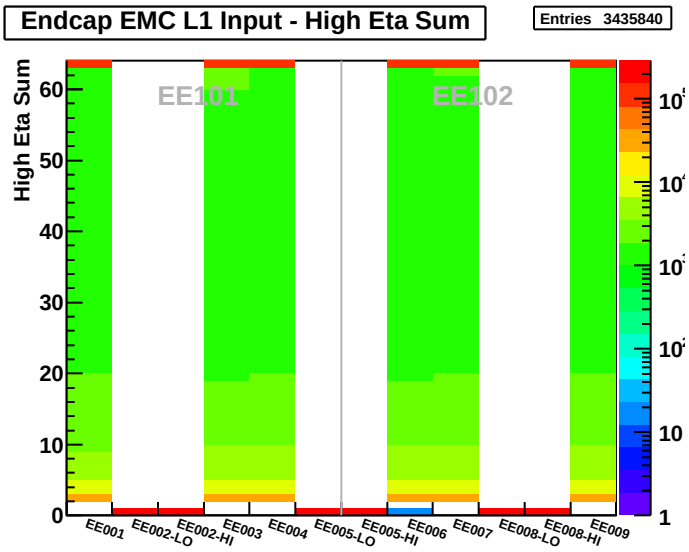

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

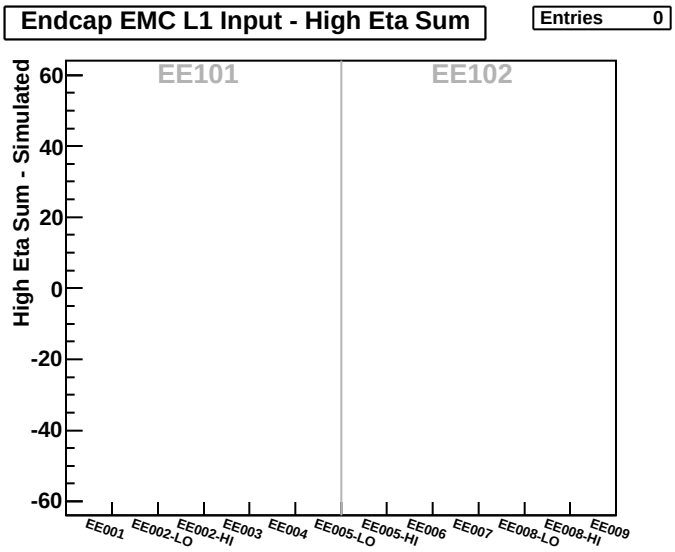

Barrel EMC L1 Input - High Tower Bits
Entries 1.030752e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

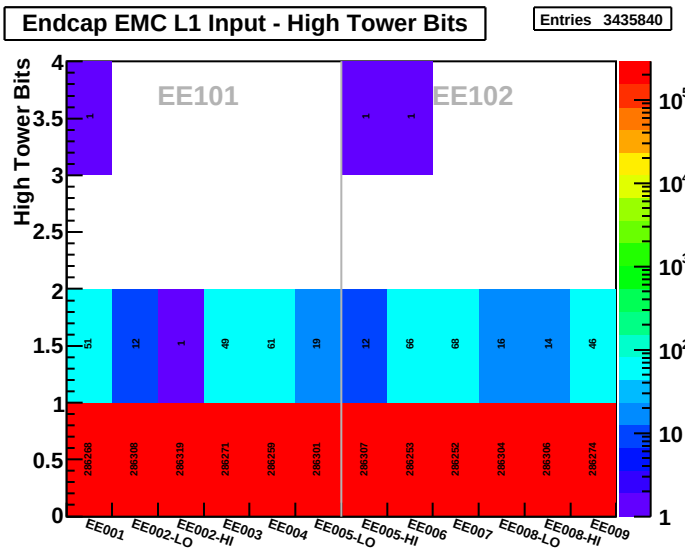

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

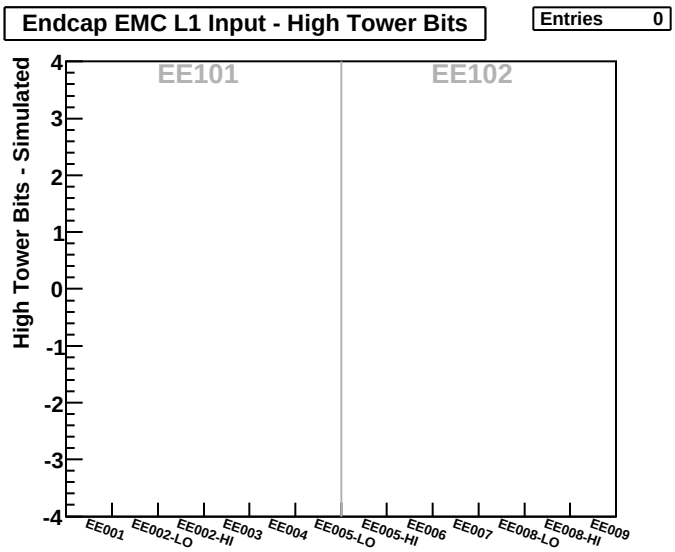

Endcap EMC L1 Input - Low Eta Sum
Entries 3435840
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

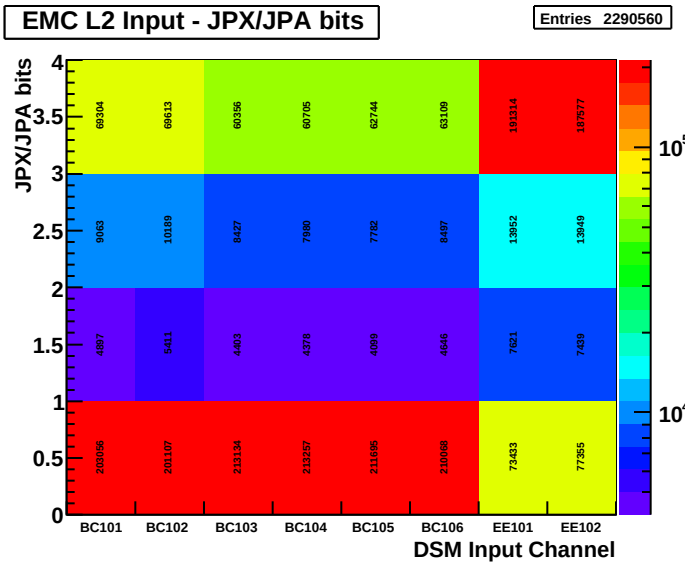

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

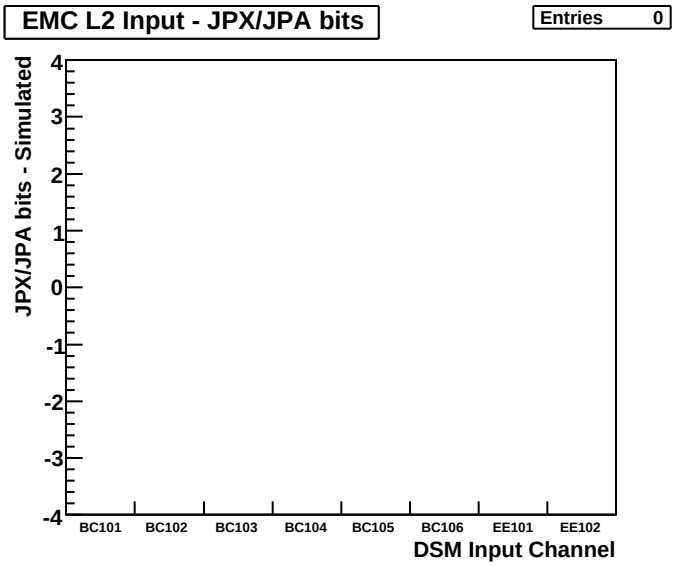

Endcap EMC L1 Input - High Eta Sum
Entries 3435840
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

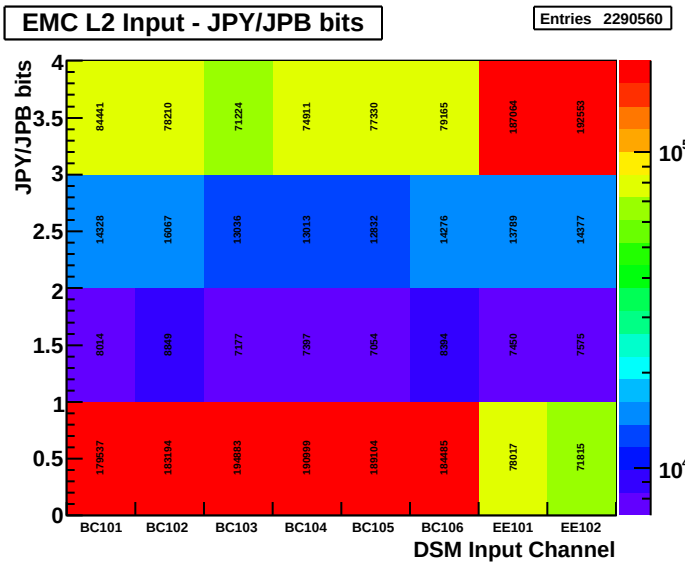

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

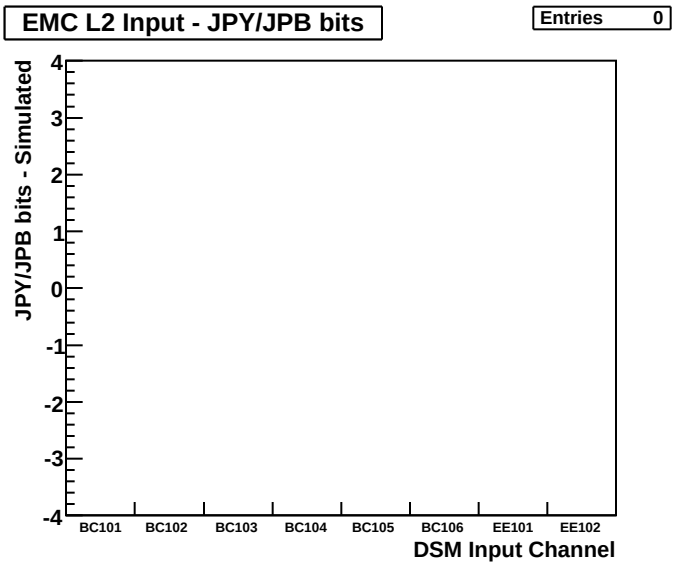

Endcap EMC L1 Input - High Tower Bits
Entries 3435840
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

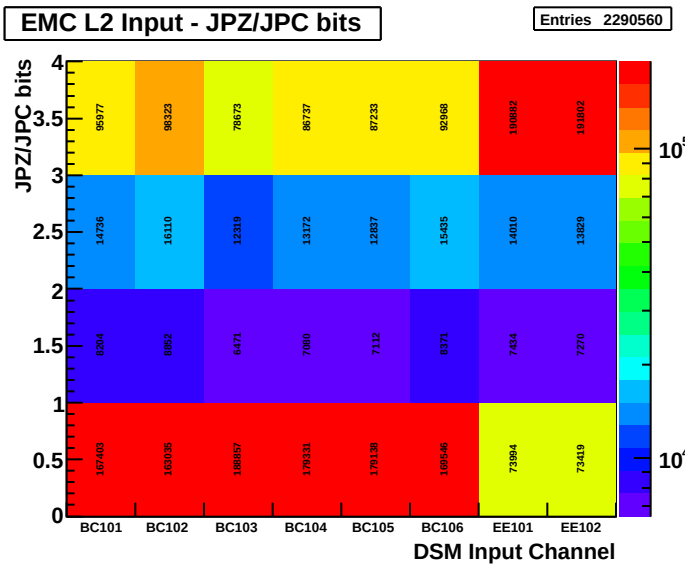

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

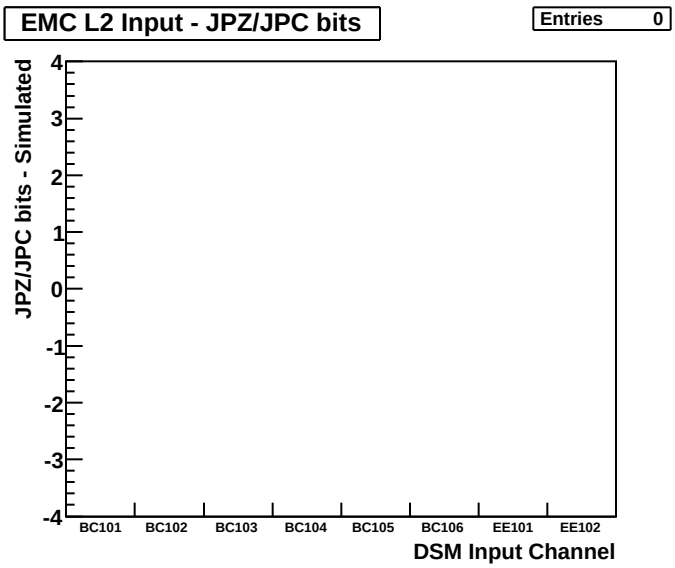

EMC L2 Input - JPX/JPA bits
Entries 2290560
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
69304 69613 60356 60705 62744 63109 191314 187577
9063 10189 8427 7980 7782 8497 13952 13949
4897 5411 4403 4376 4099 4646 7621 7439
203056 201107 213134 213257 211695 210068 73433 77355

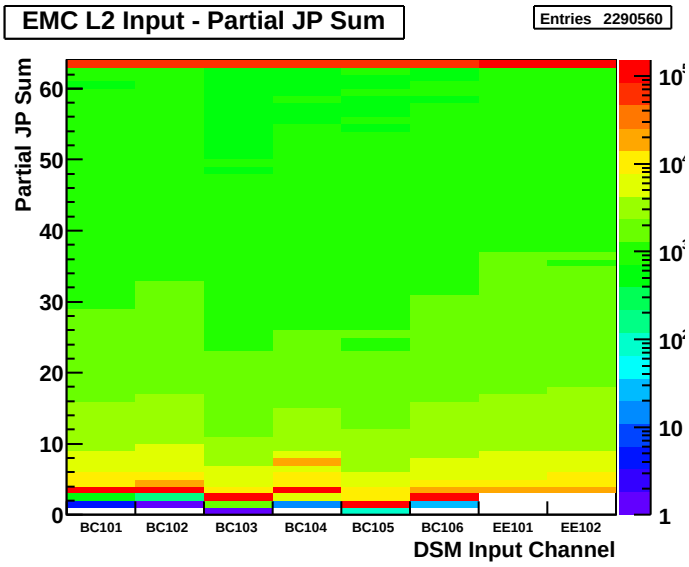

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

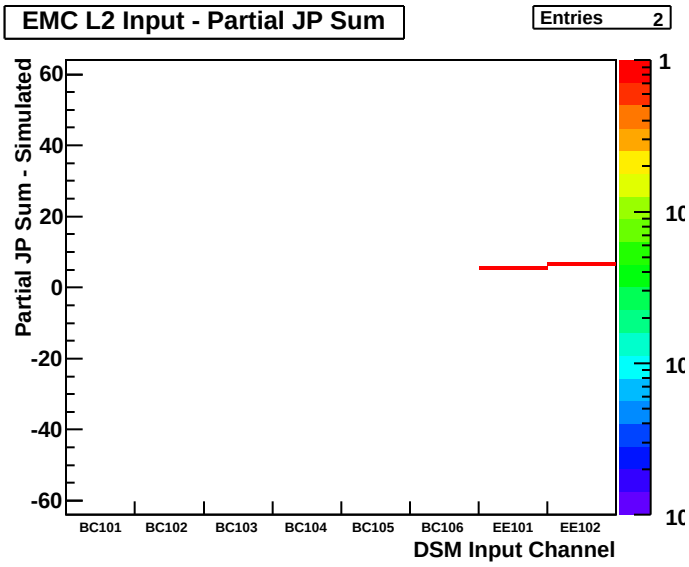

EMC L2 Input - JPY/JPB bits
Entries 2290560
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
84441 78210 71224 74911 77330 79165 187064 192553
14328 16067 13036 13013 12832 14276 13789 14377
8014 8849 7177 7397 7054 8394 7450 7575
175537 183194 194883 190999 189104 184485 78017 71815

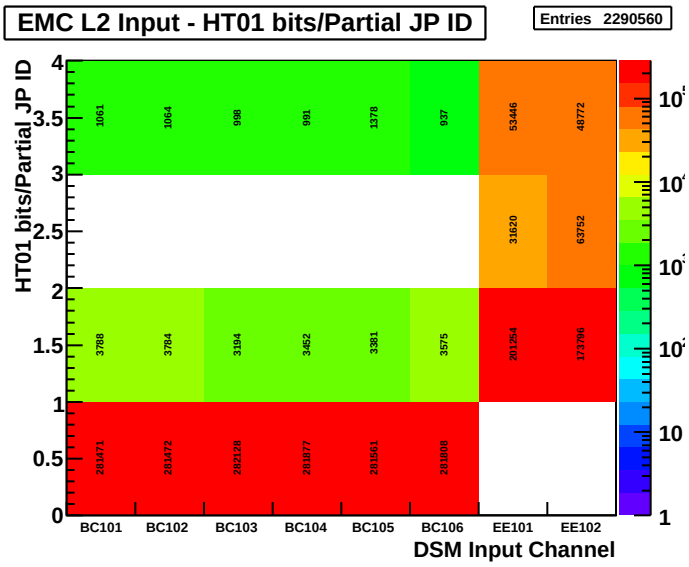

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

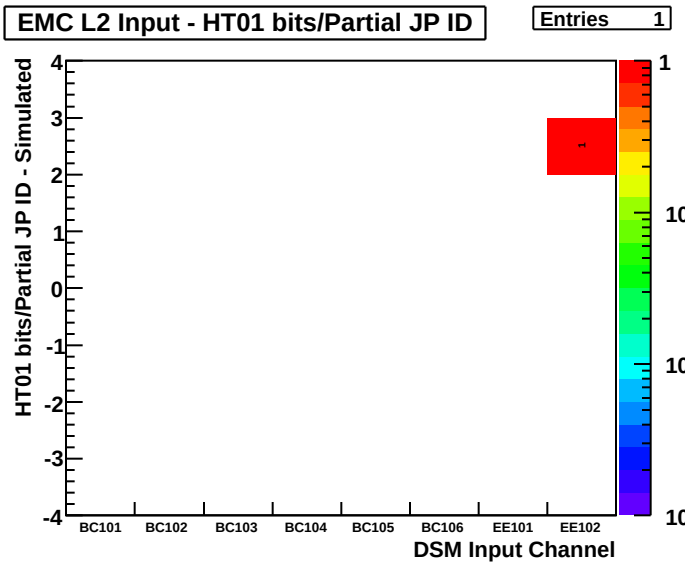

EMC L2 Input - JPZ/JPC bits
Entries 2290560
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
95977 98323 78673 86737 87233 92968 190882 191802
14736 16110 12319 13172 12837 15435 14010 13829
8304 8852 6471 7080 7112 8371 7434 7270
167403 163035 188857 179331 179138 169546 73994 73419

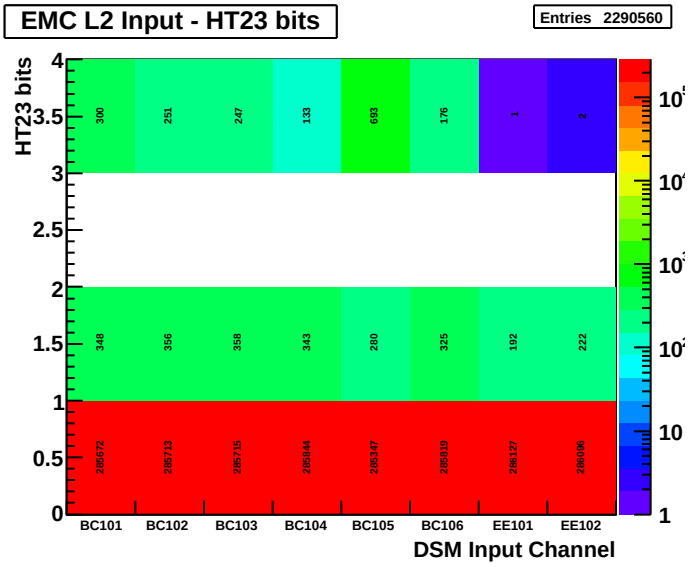

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

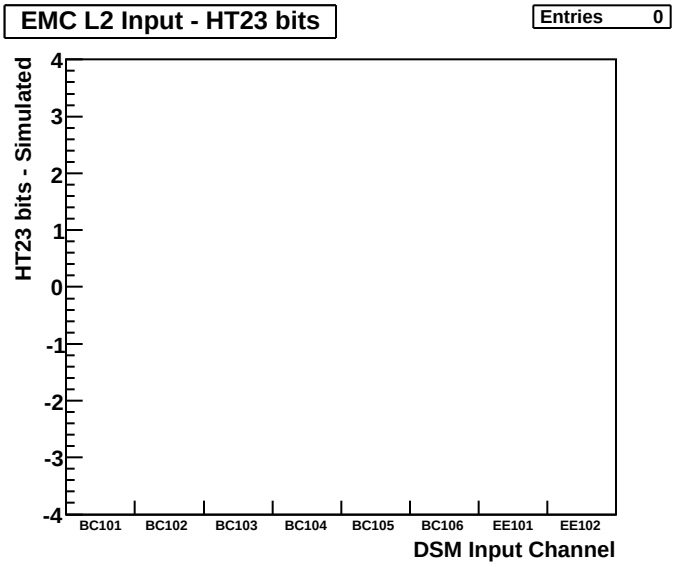

EMC L2 Input - Partial JP Sum
Entries 2290560
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

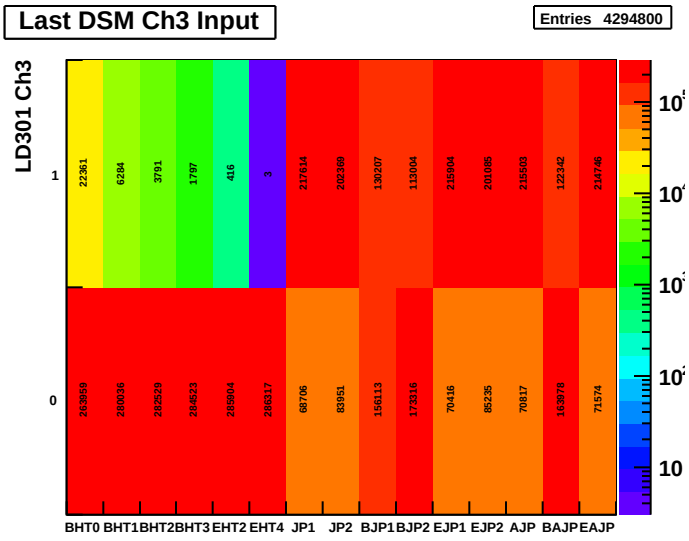

EMC L2 Input - Partial JP Sum
Entries 2
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

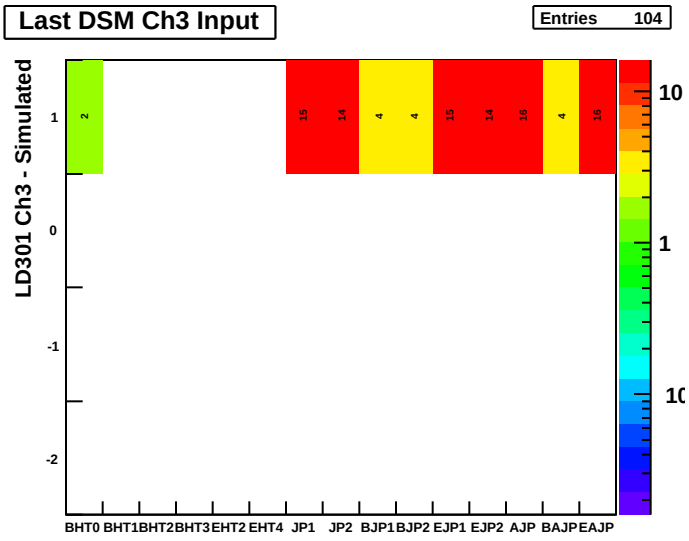

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2290560
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

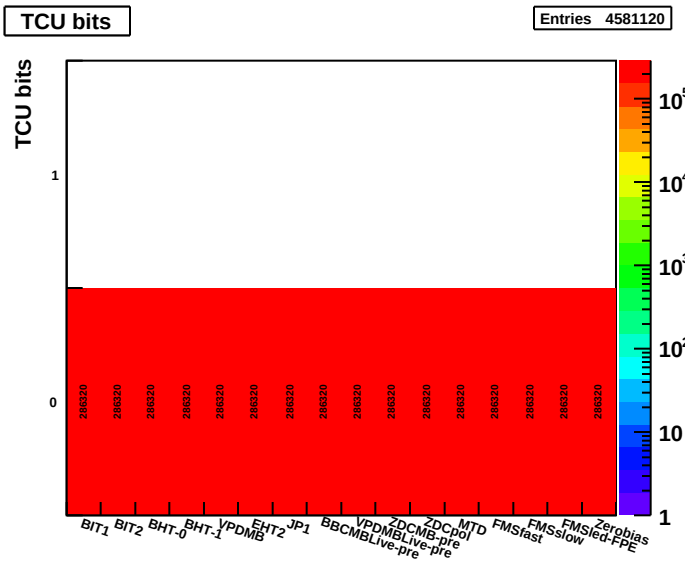

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

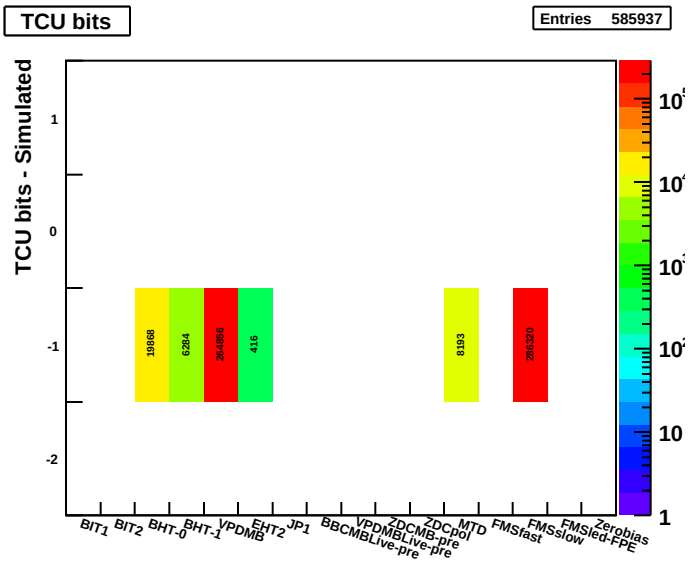

EMC L2 Input - HT23 bits
Entries 2290560
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

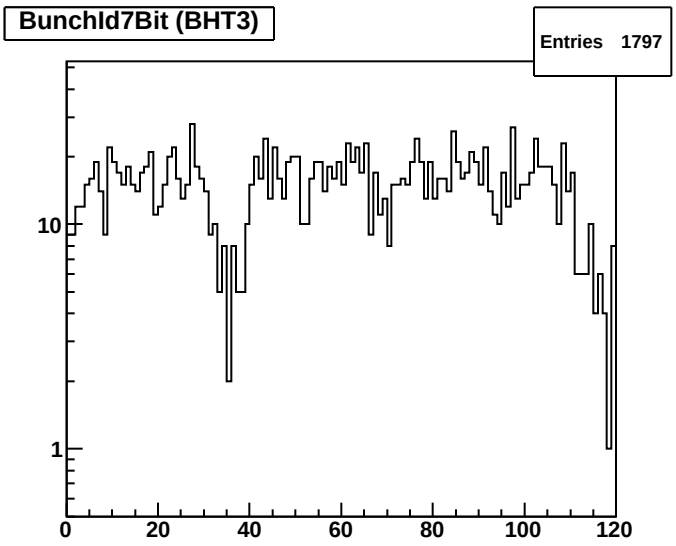

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

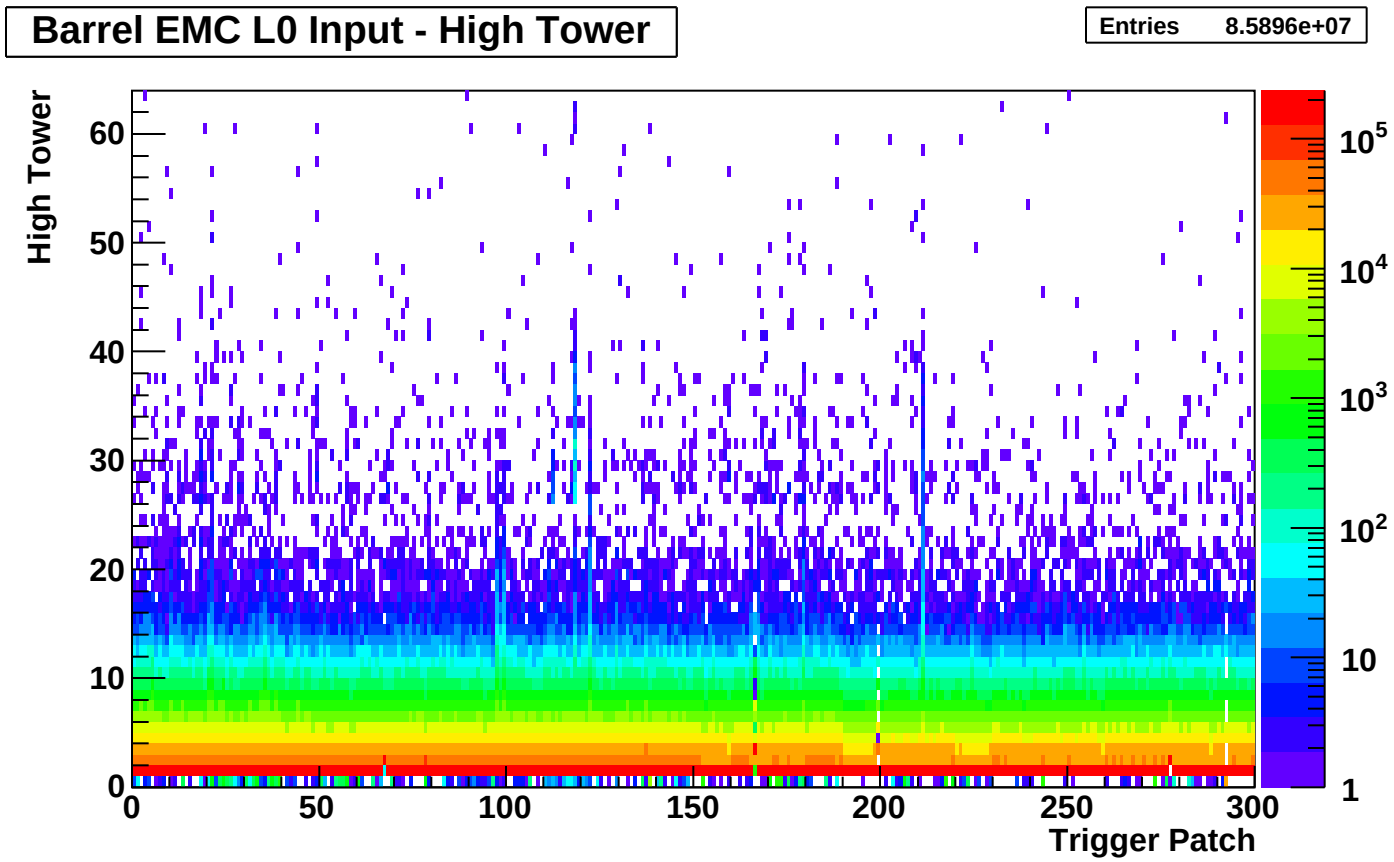

Last DSM Ch3 Input
Entries 4294800
LD301 Ch3
22361 6284 3791 1797 416 3 217614 202369 130207 113004 235904 201085 215503 122342 214746
263959 280036 282529 284523 285904 286317 68706 83951 156113 173316 70416 85235 70817 163978 71574
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

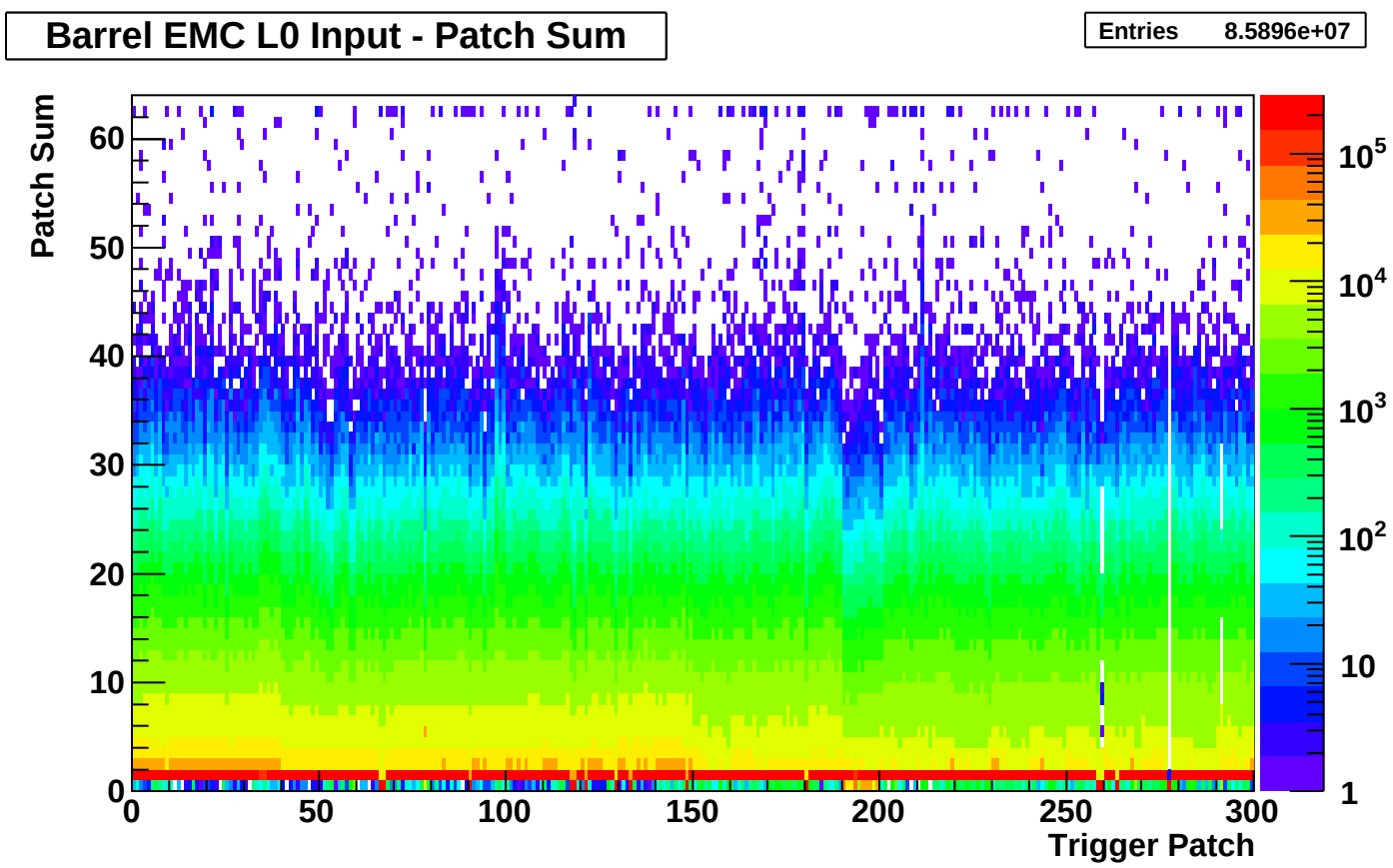

Last DSM Ch3 Input
Entries 104
LD301 Ch3 - Simulated
2 15 14 4 4 15 14 16 4 16
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

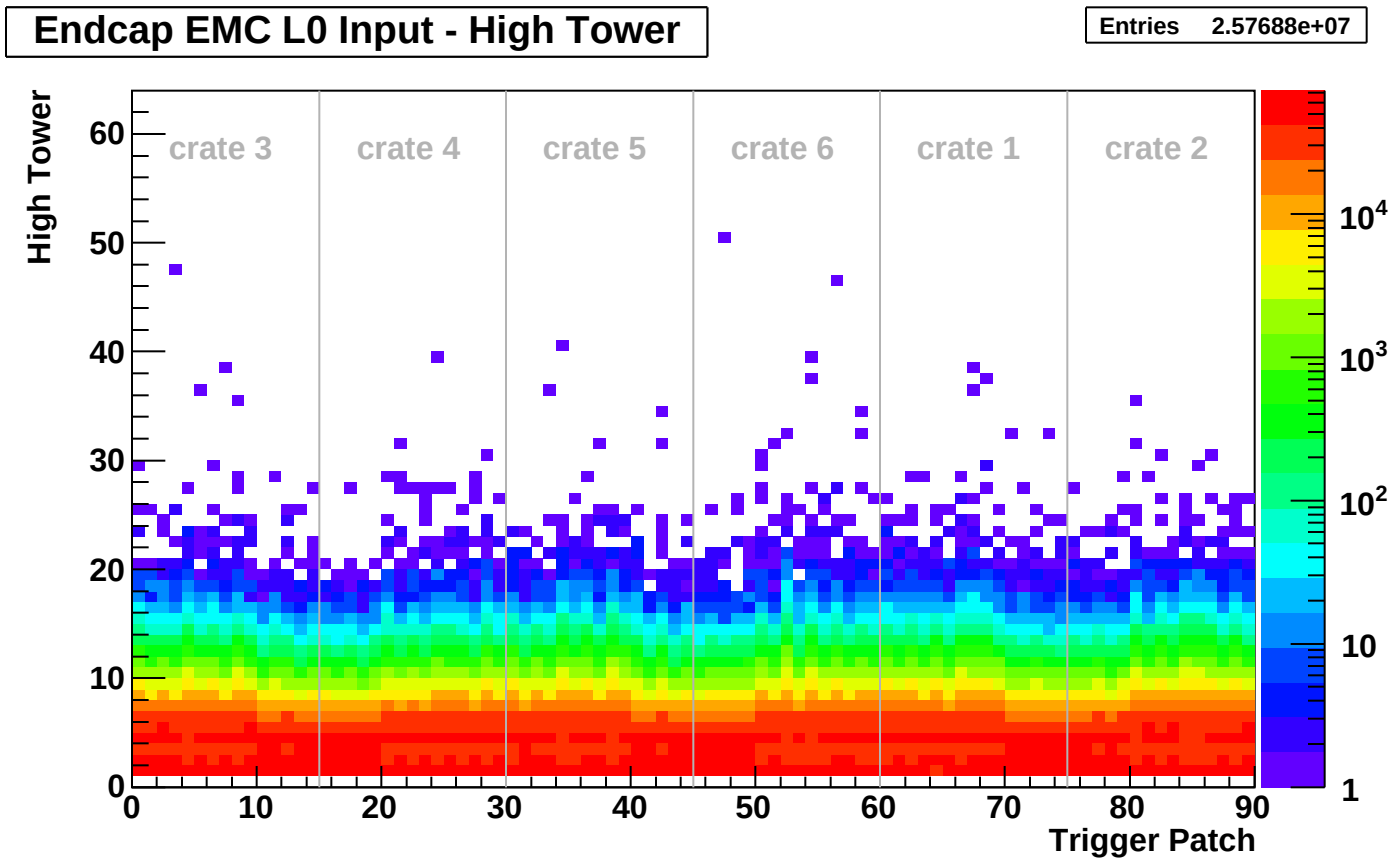

TCU bits
Entries 4581120
TCU bits
286320 286320 286320 286320 286320 286320 286320 286320 286320 286320 286320 286320 286320 286320 286320 286320
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

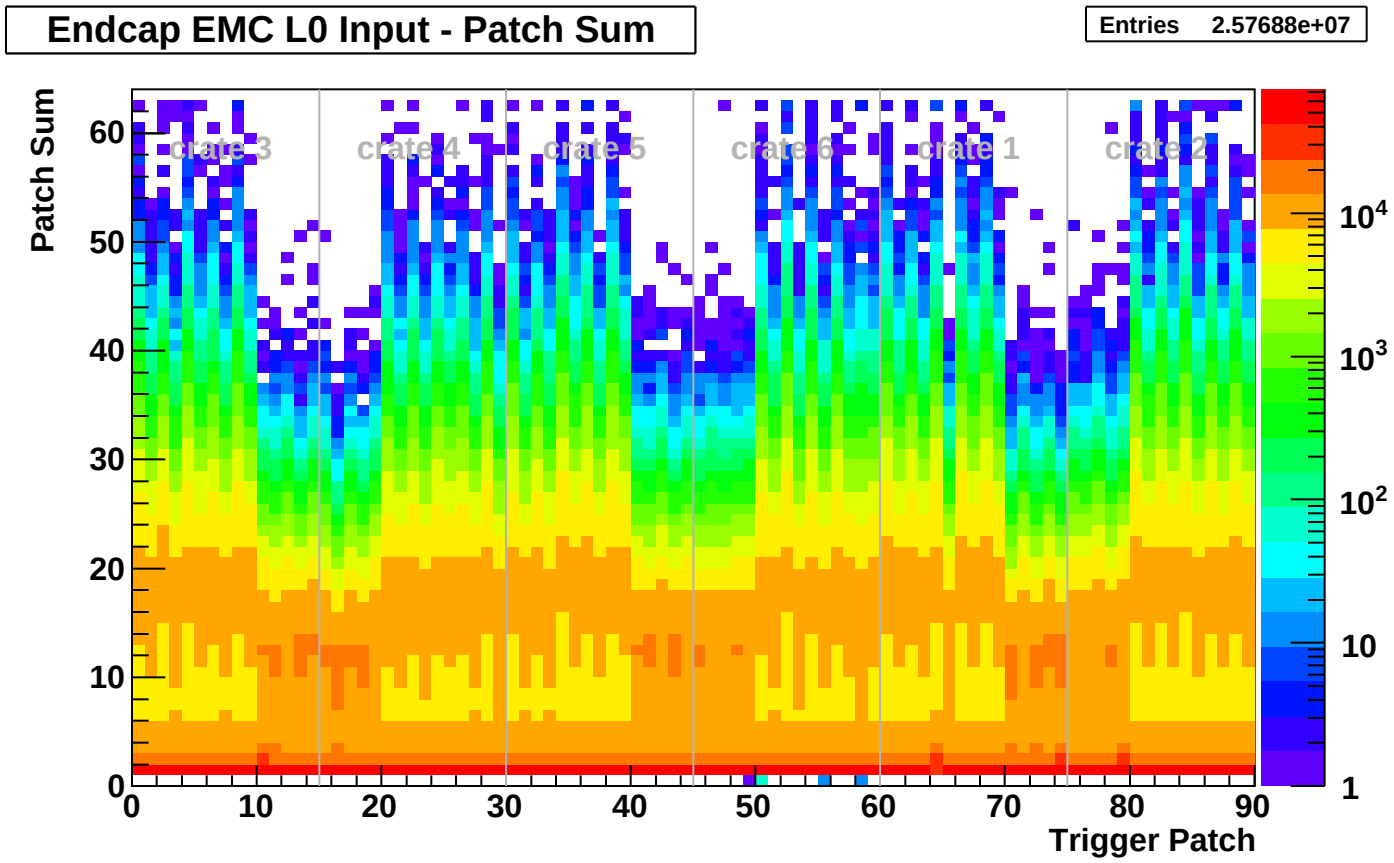

TCU bits
Entries 585937
TCU bits - Simulated
19868 6284 264856 416 8193 286320
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

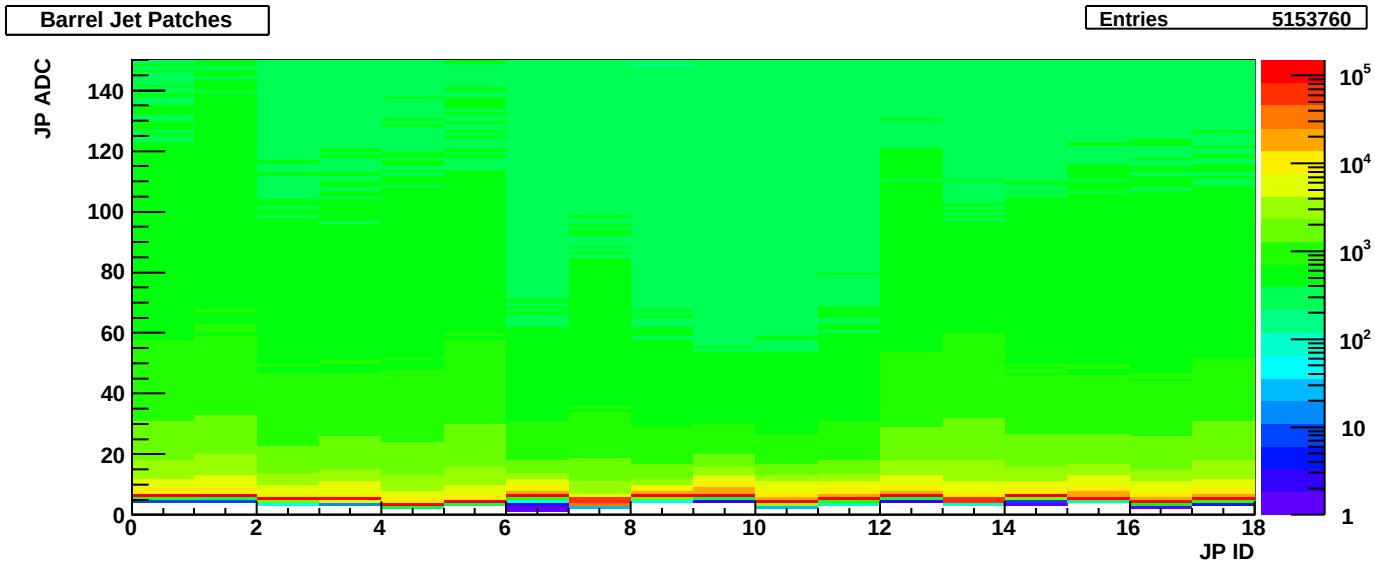

BunchId7Bit (BHT3)
Entries 1797
0 20 40 60 80 100 120

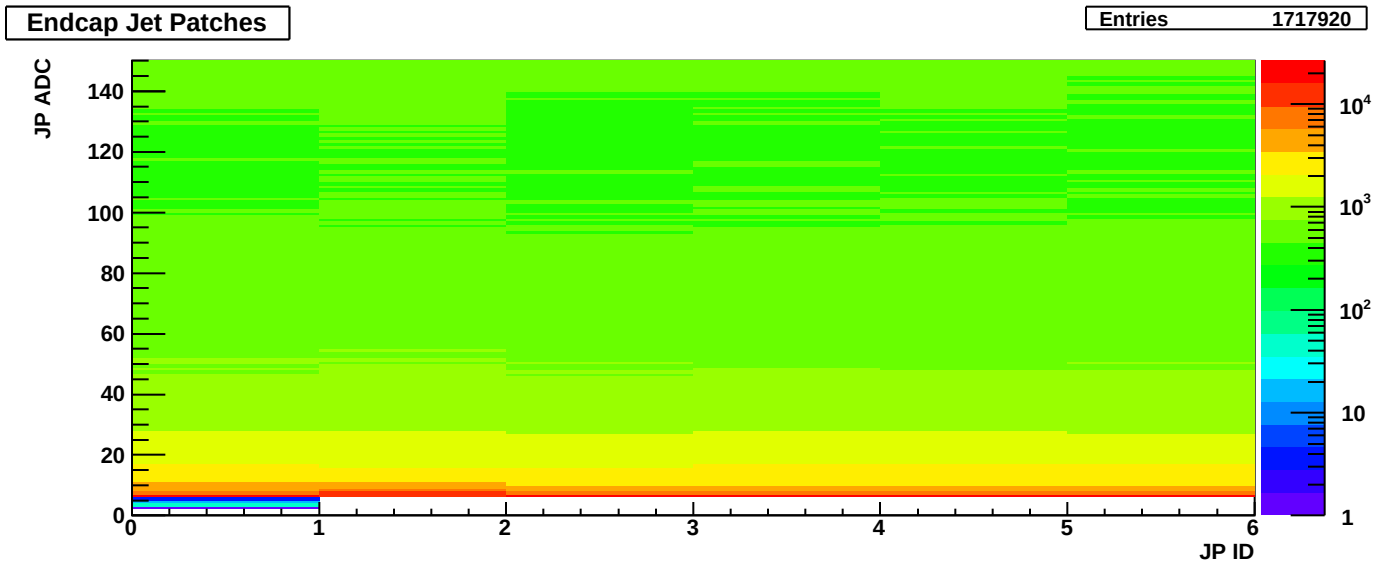

Barrel EMC L0 Input - High Tower
Entries 8.5896e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

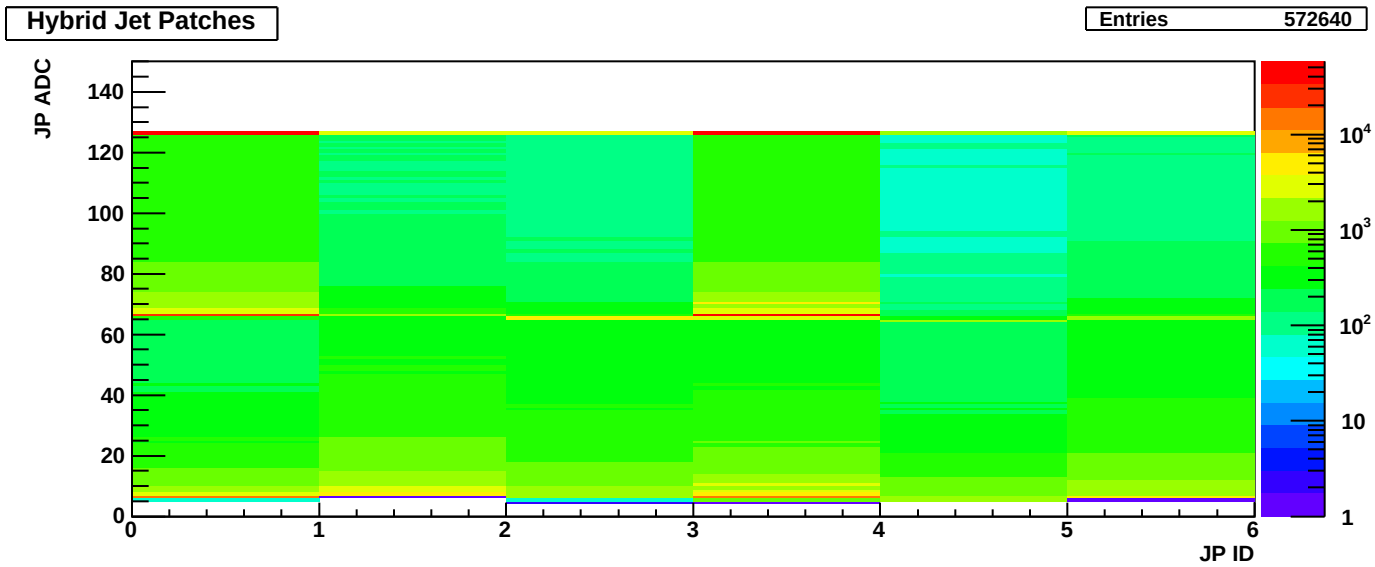

Barrel EMC L0 Input - Patch Sum
Entries 8.5896e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

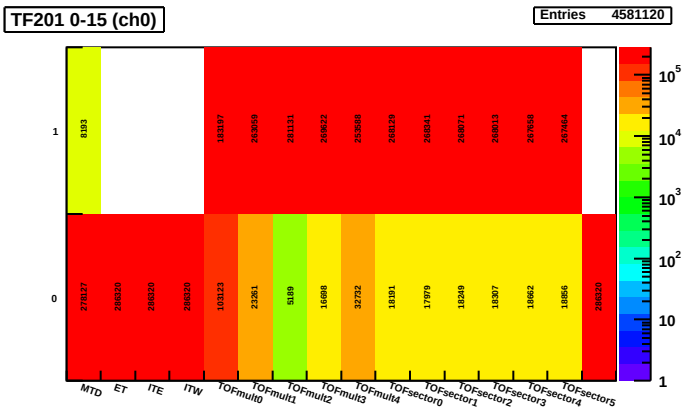

Endcap EMC L0 Input - High Tower
Entries 2.57688e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

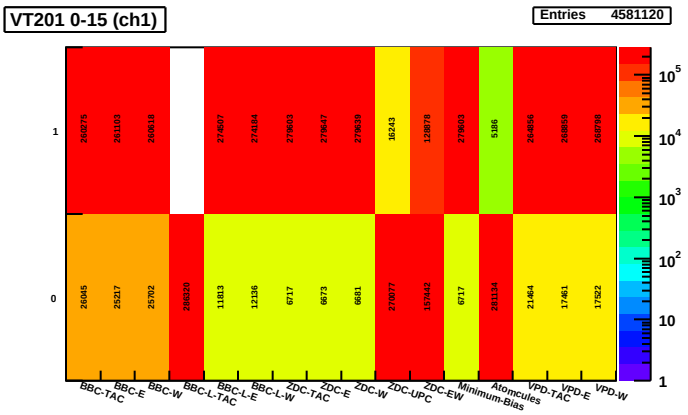

Endcap EMC L0 Input - Patch Sum
Entries 2.57688e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

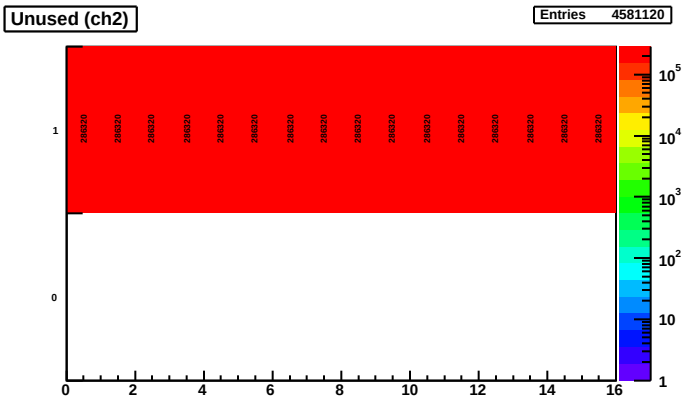

Barrel Jet Patches
Entries 5153760
JP ADC
JP ID

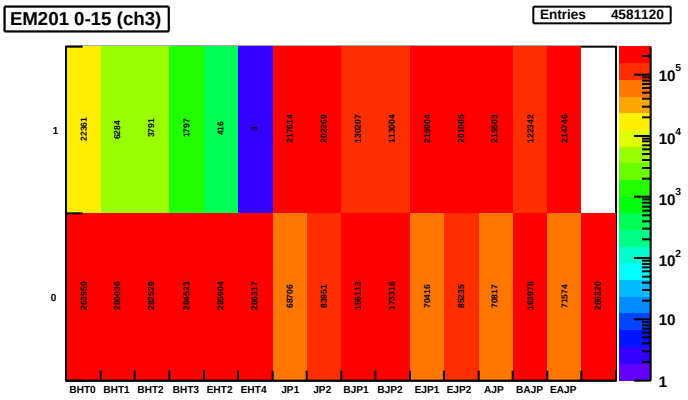

Endcap Jet Patches
Entries 1717920
JP ADC
JP ID

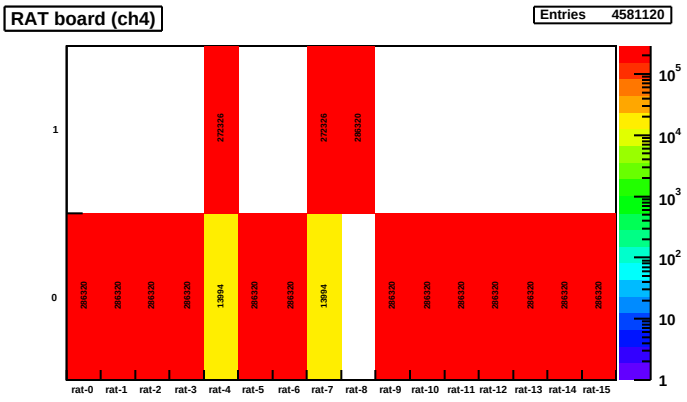

Hybrid Jet Patches
Entries 572640
JP ADC
JP ID

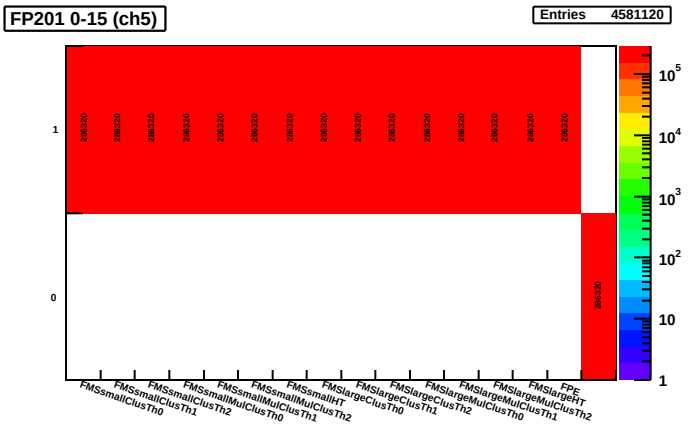

TF201 0-15 (ch0)
Entries 4581120
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

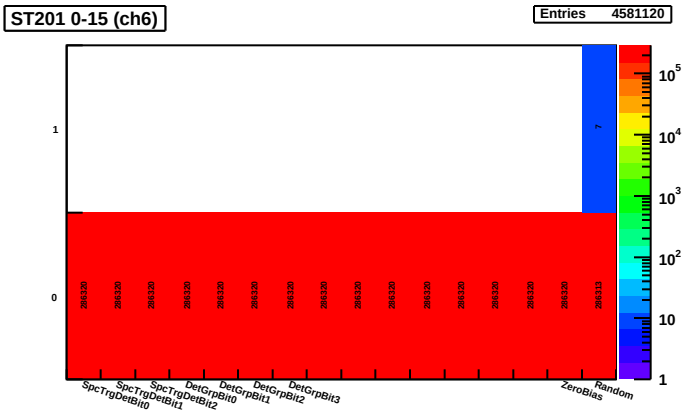

VT201 0-15 (ch1)
Entries 4581120
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

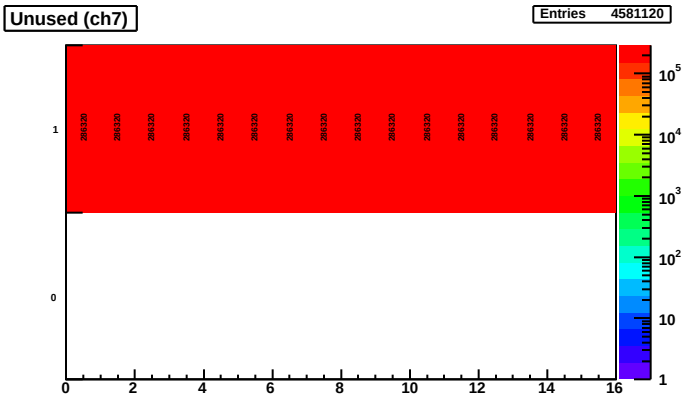

Unused (ch2)
Entries 4581120

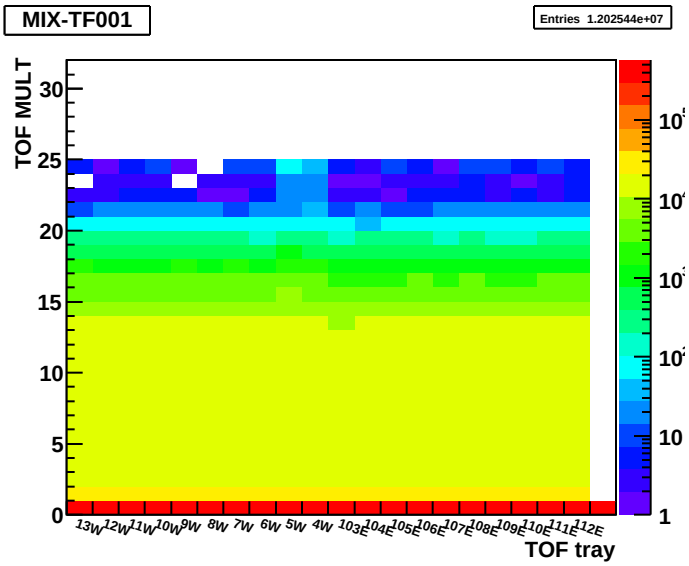

EM201 0-15 (ch3)
Entries 4581120
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

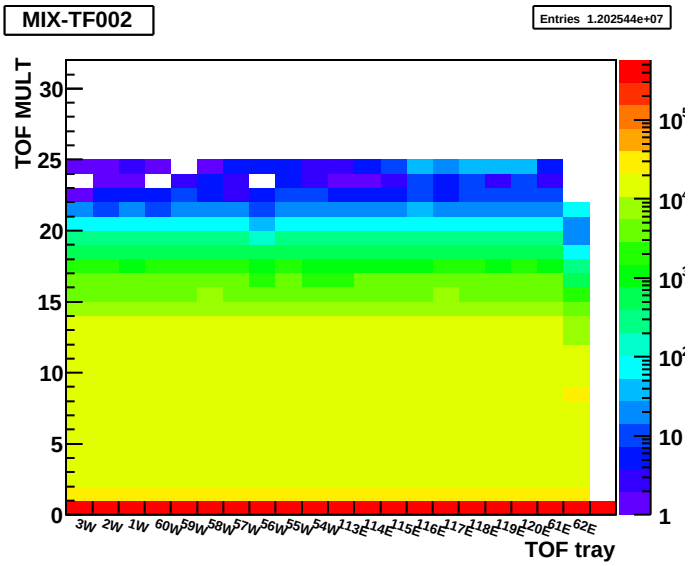

RAT board (ch4)
Entries 4581120
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

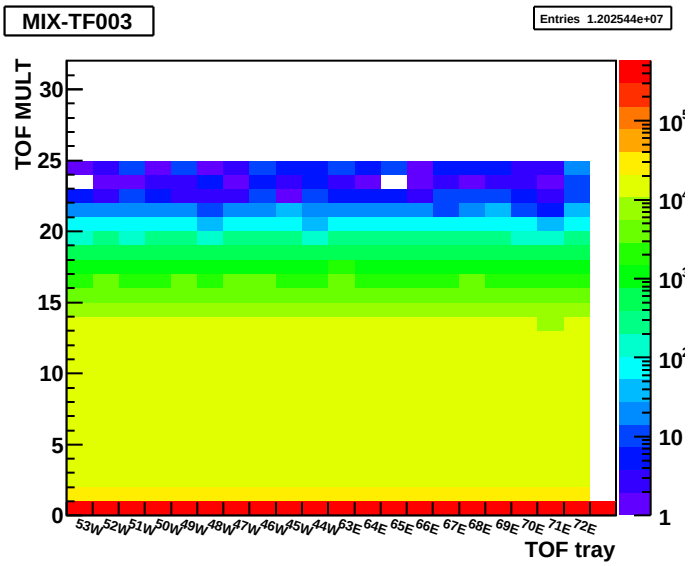

FP201 0-15 (ch5)
Entries 4581120
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

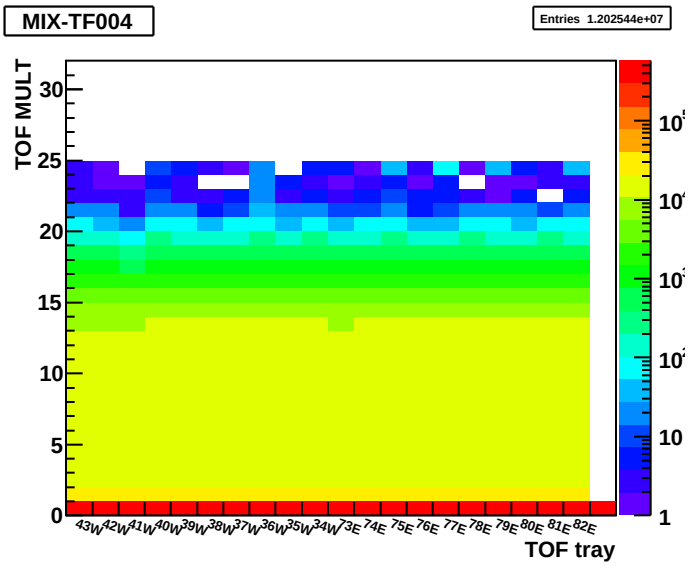

ST201 0-15 (ch6)
Entries 4581120
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

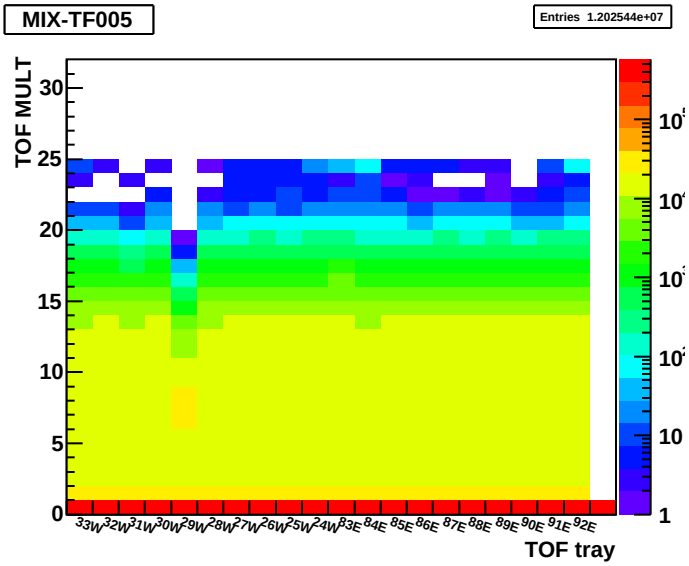

Unused (ch7)
Entries 4581120

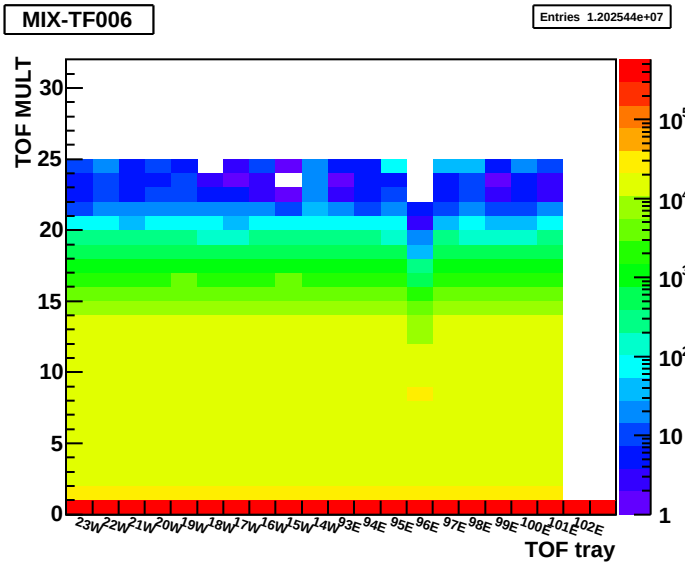

MIX-TF001
Entries 1.202544e+07
TOF MULT
TOF tray

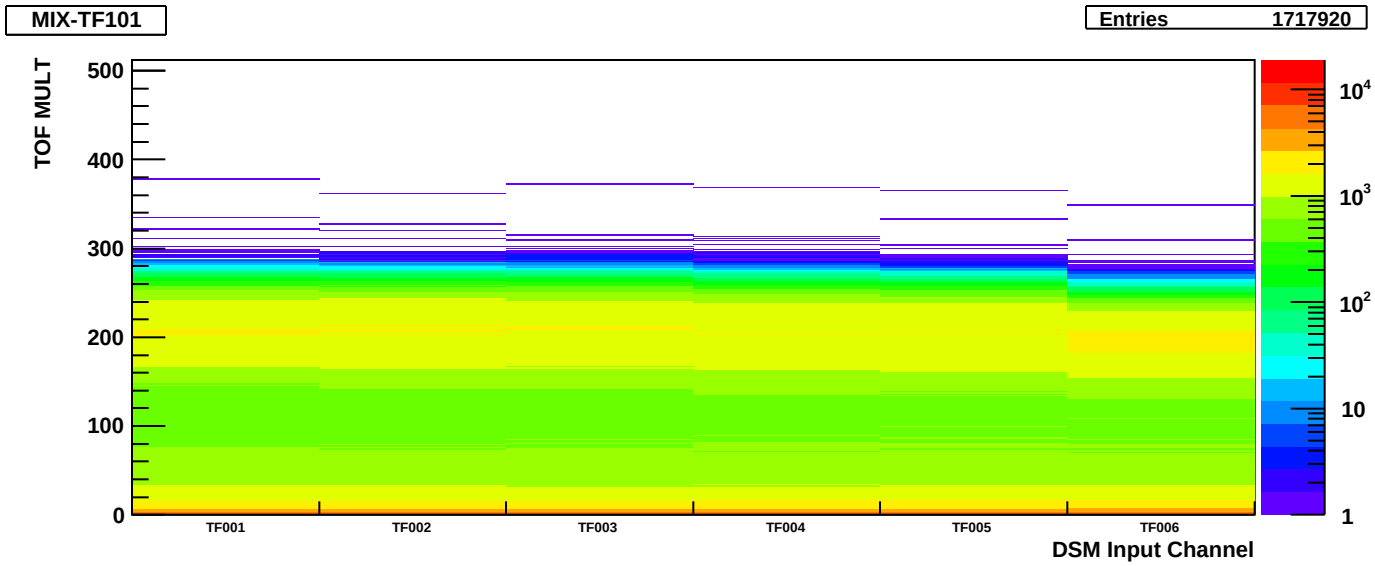

MIX-TF002
Entries 1.202544e+07
TOF MULT
TOF tray

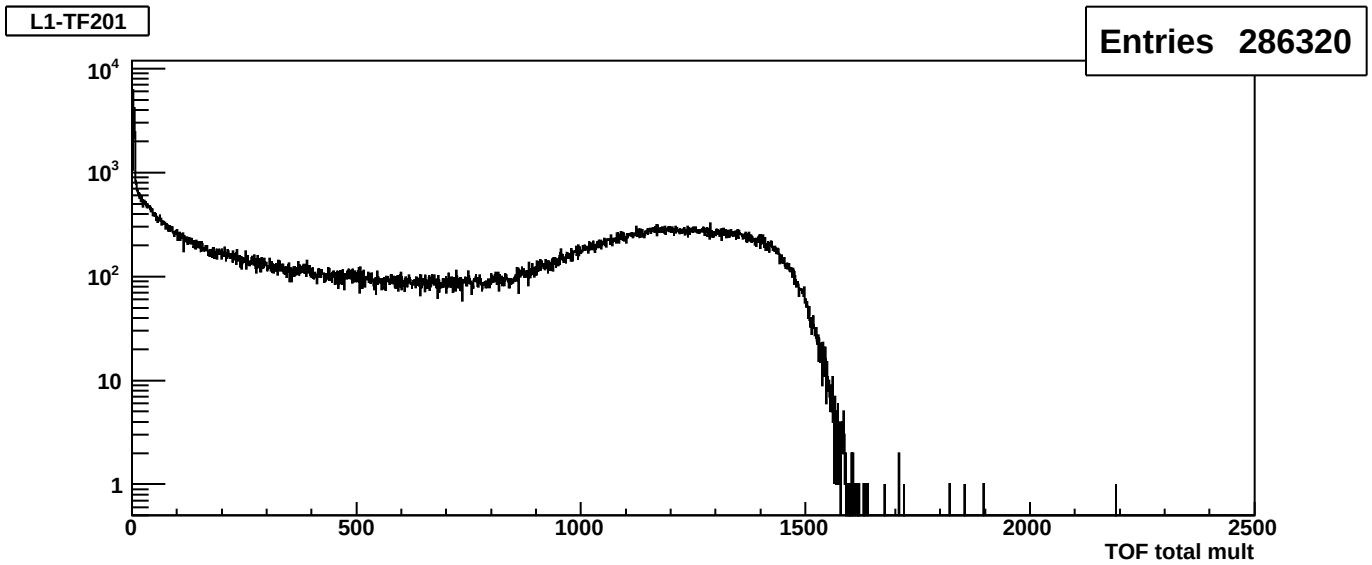

MIX-TF003
Entries 1.202544e+07
TOF MULT
TOF tray

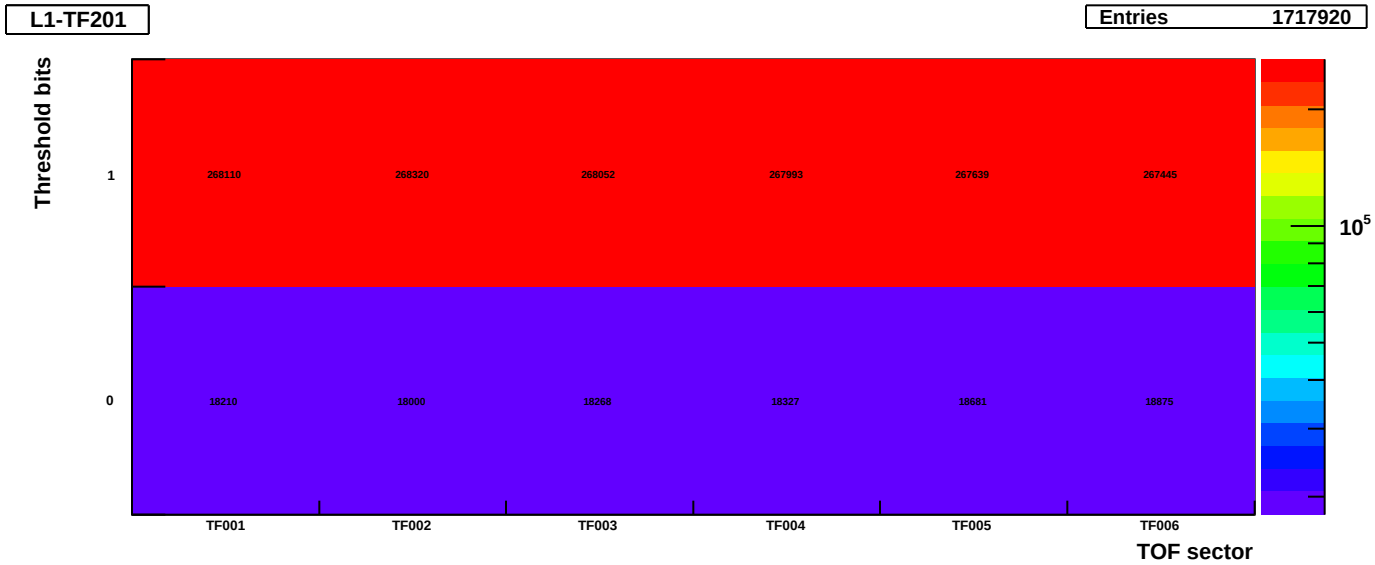

MIX-TF004
Entries 1.202544e+07
TOF MULT
TOF tray

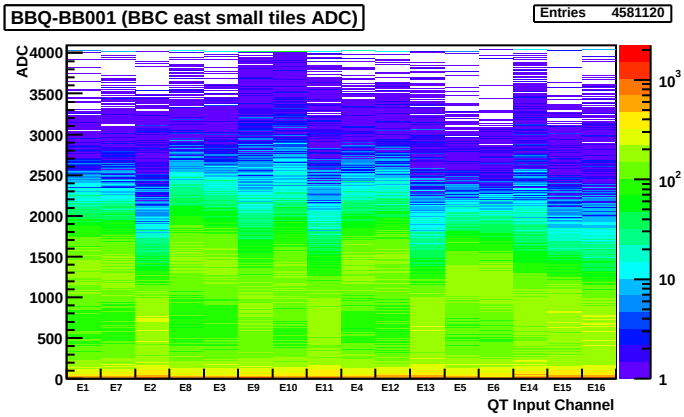

MIX-TF005
Entries 1.202544e+07
TOF MULT
TOF tray

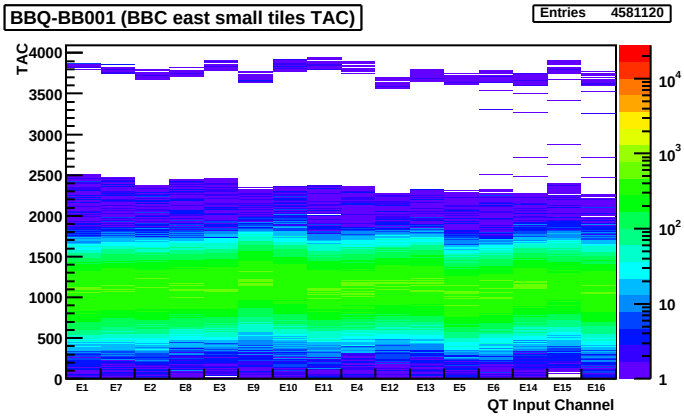

MIX-TF006
Entries 1.202544e+07
TOF MULT
TOF tray

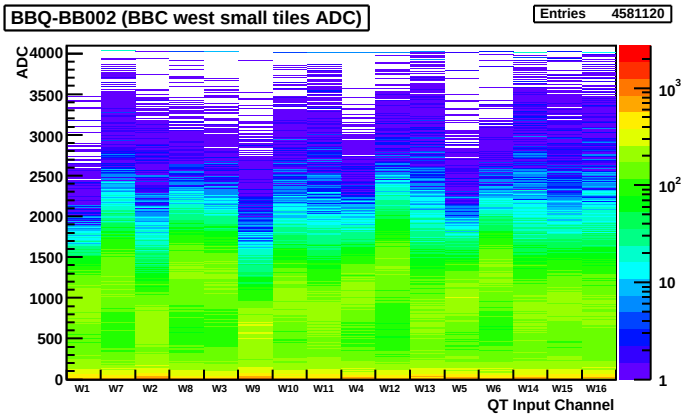

MIX-TF101
Entries 1717920
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

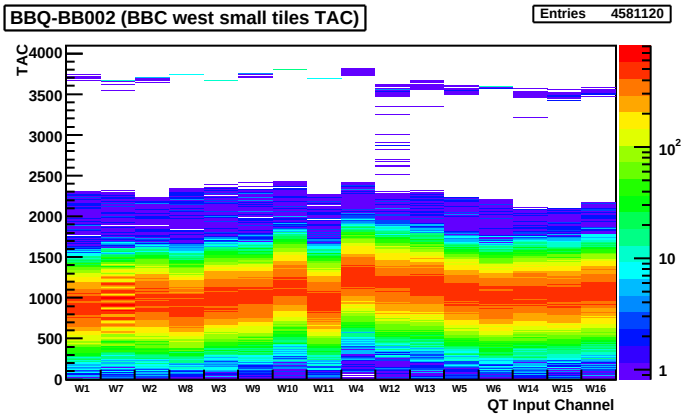

L1-TF201
Entries 286320
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

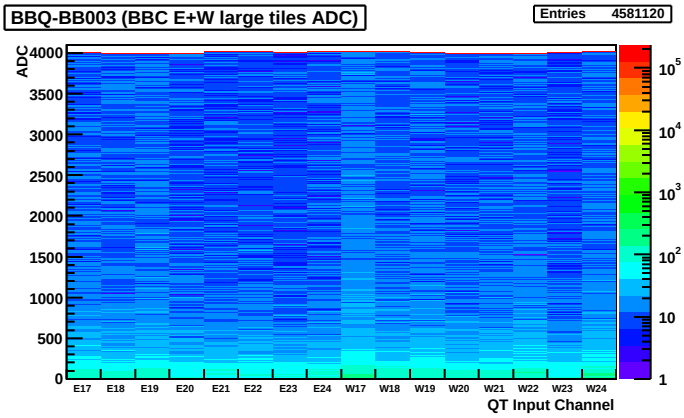

L1-TF201
Entries 1717920
Threshold bits
1
0
268110
268320
268052
267993
267639
267445
18210
18000
18268
18327
18681
18875
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

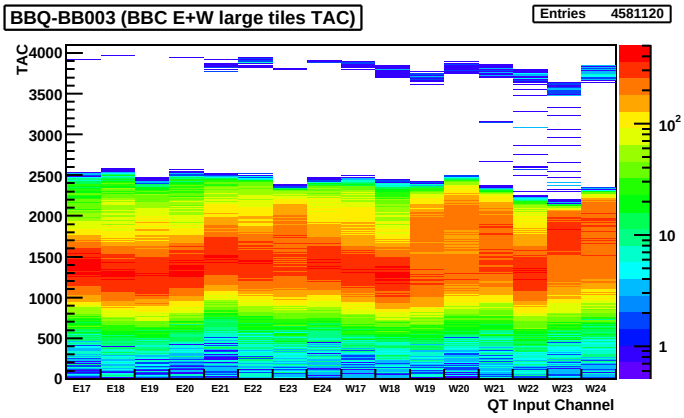

BBQ-BB001 (BBC east small tiles ADC)
Entries 4581120
ADC
QT Input Channel

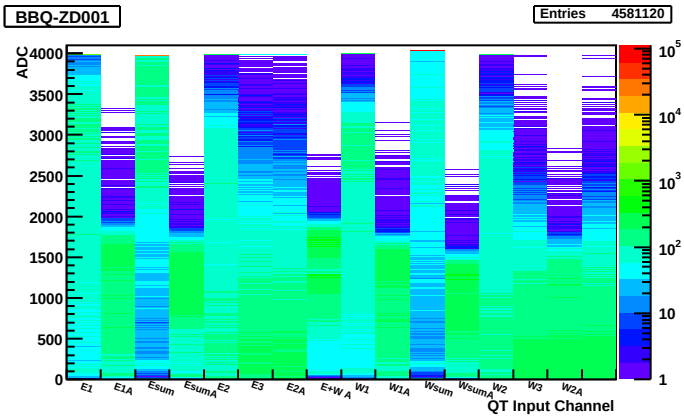

BBQ-BB001 (BBC east small tiles TAC)
Entries 4581120
TAC
QT Input Channel

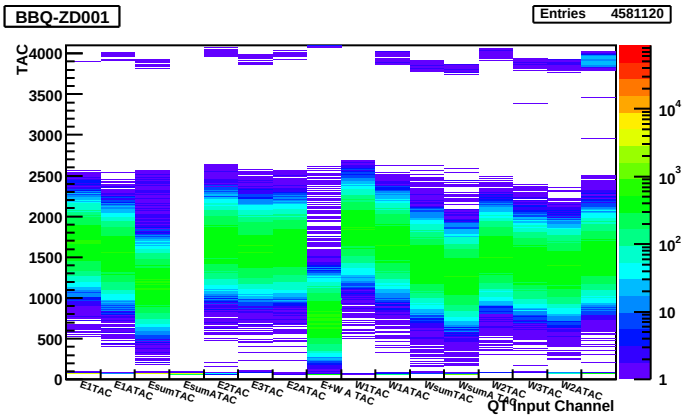

BBQ-BB002 (BBC west small tiles ADC)
Entries 4581120
ADC
QT Input Channel

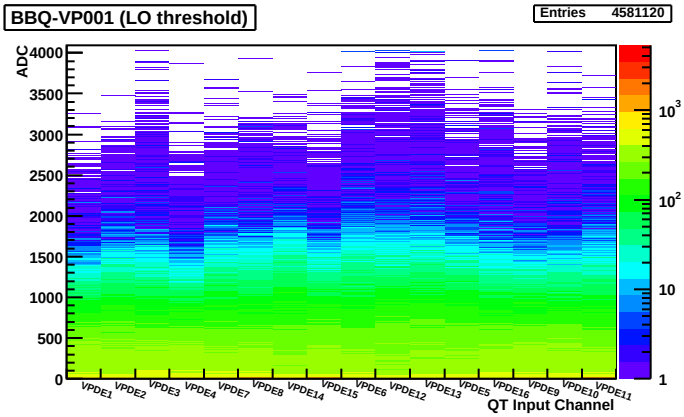

BBQ-BB002 (BBC west small tiles TAC)
Entries 4581120
TAC
QT Input Channel

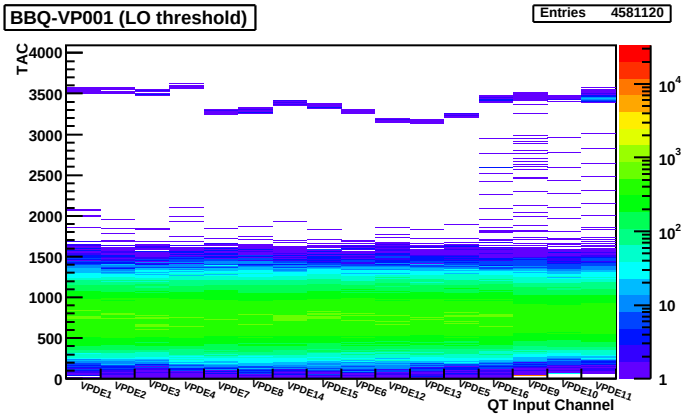

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4581120
ADC
QT Input Channel

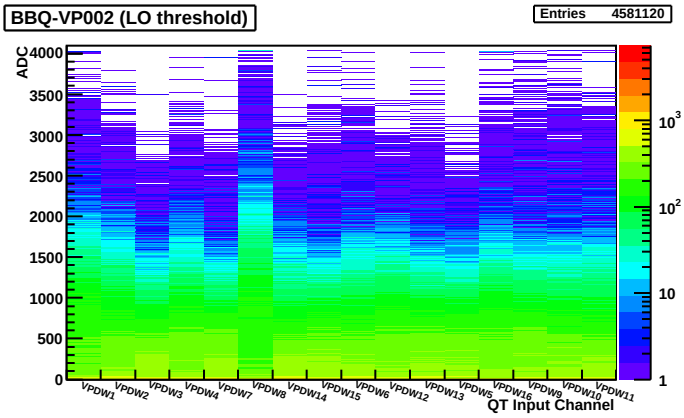

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4581120
TAC
QT Input Channel

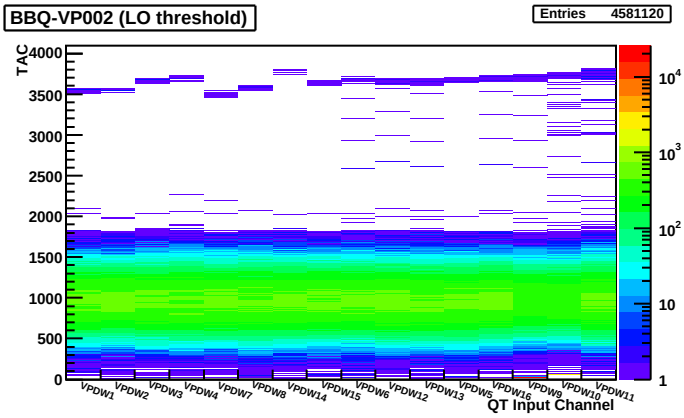

BBQ-ZD001
Entries 4581120
ADC
QT Input Channel

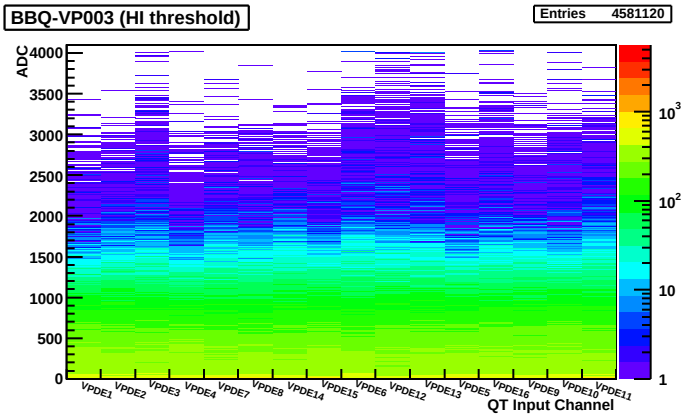

BBQ-ZD001
Entries 4581120
TAC
QT Input Channel

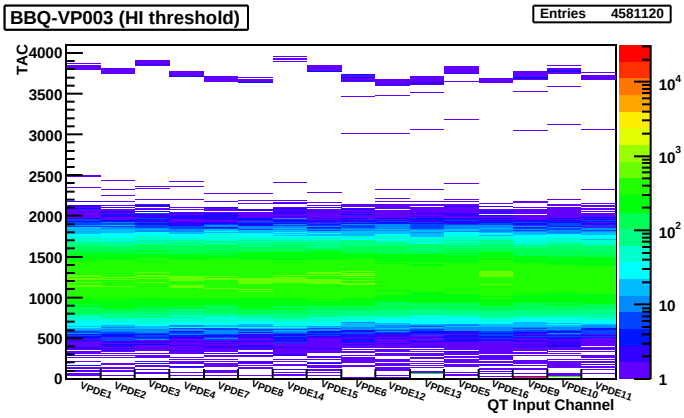

BBQ-VP001 (LO threshold)
Entries 4581120
ADC
QT Input Channel

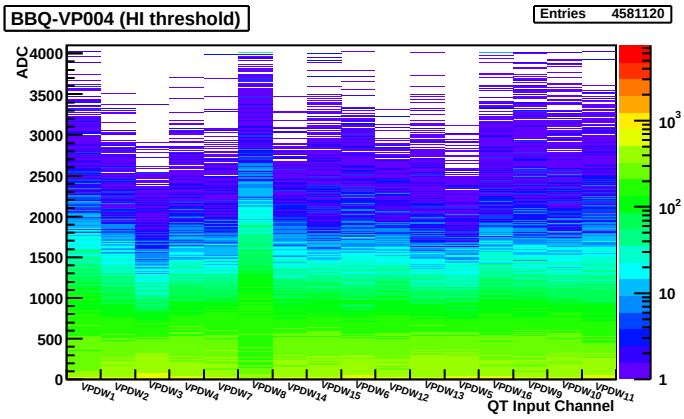

BBQ-VP001 (LO threshold)
Entries 4581120
TAC
QT Input Channel

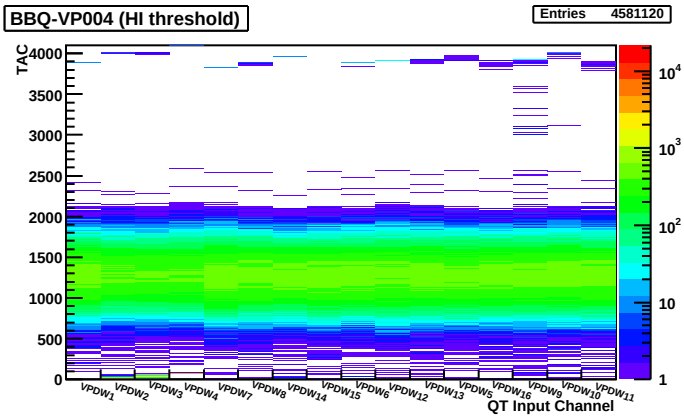

BBQ-VP002 (LO threshold)
Entries 4581120
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 4581120
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4581120
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4581120
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4581120
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4581120
TAC
QT Input Channel