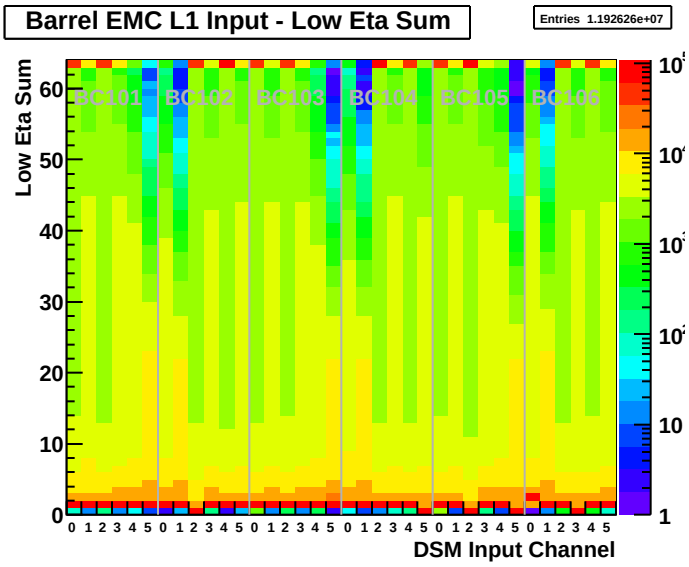
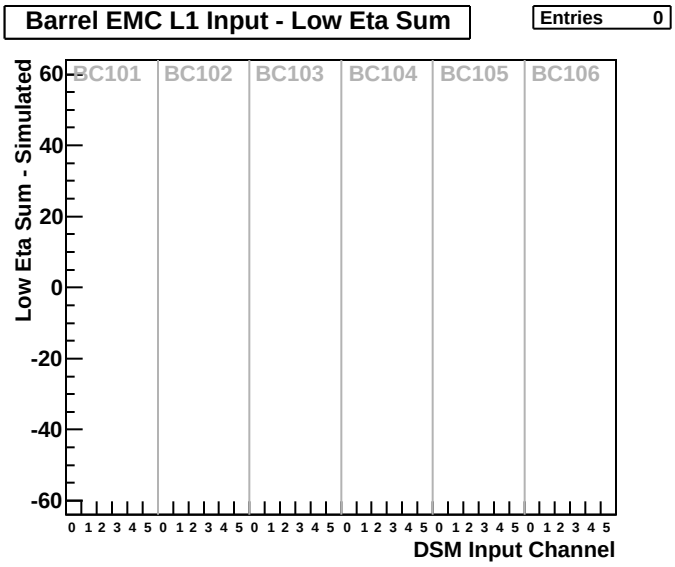
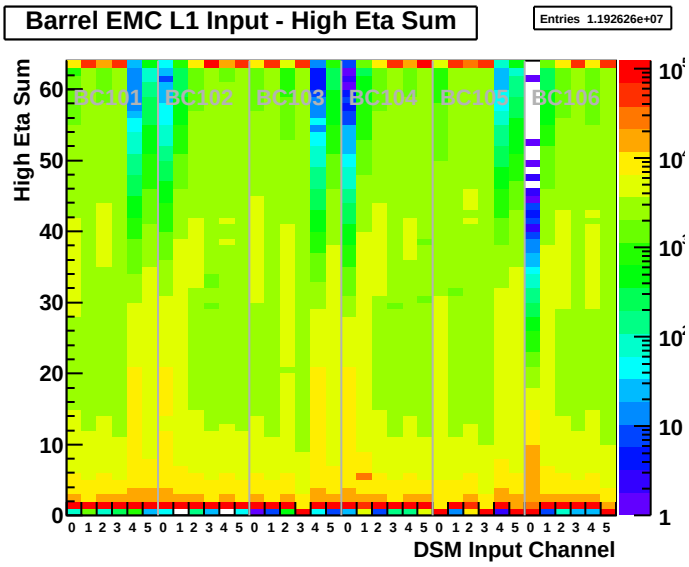
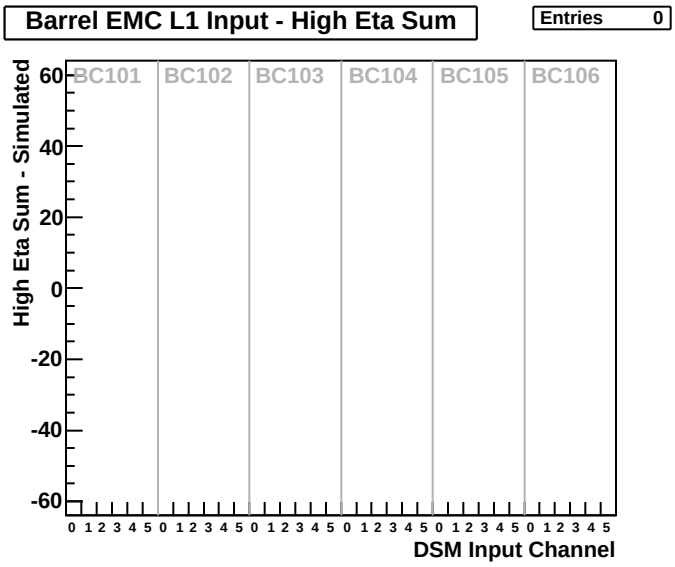
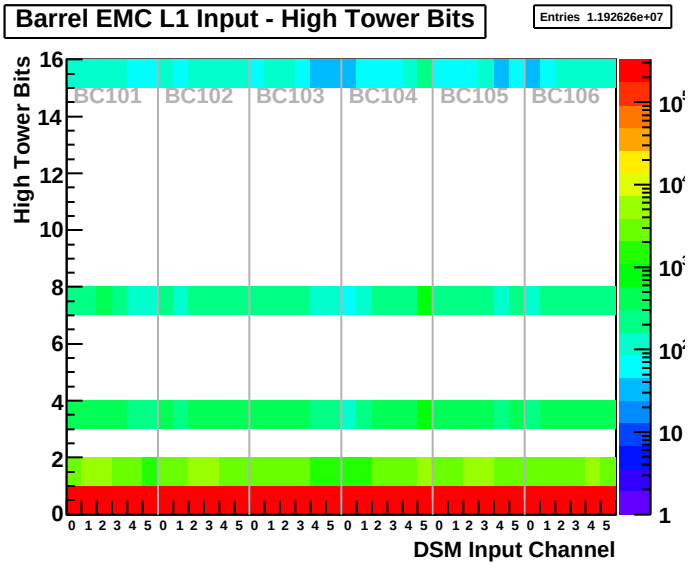
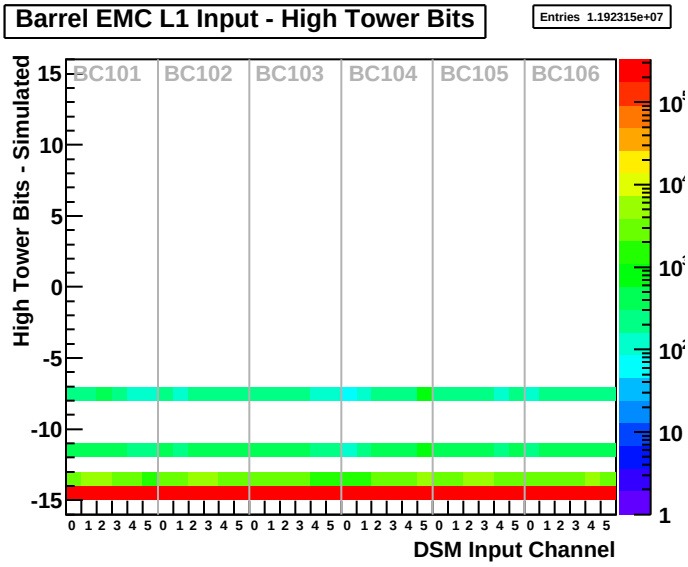

Barrel EMC L1 Input - Low Eta Sum
Entries 1.192626e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

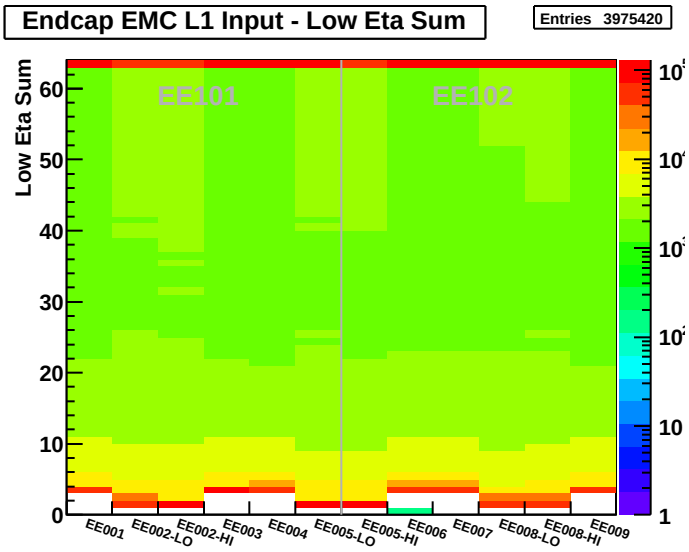

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

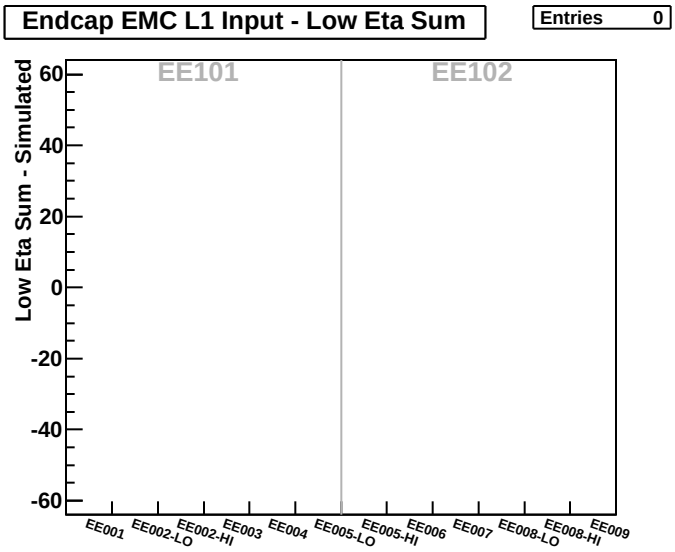

Barrel EMC L1 Input - High Eta Sum
Entries 1.192626e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

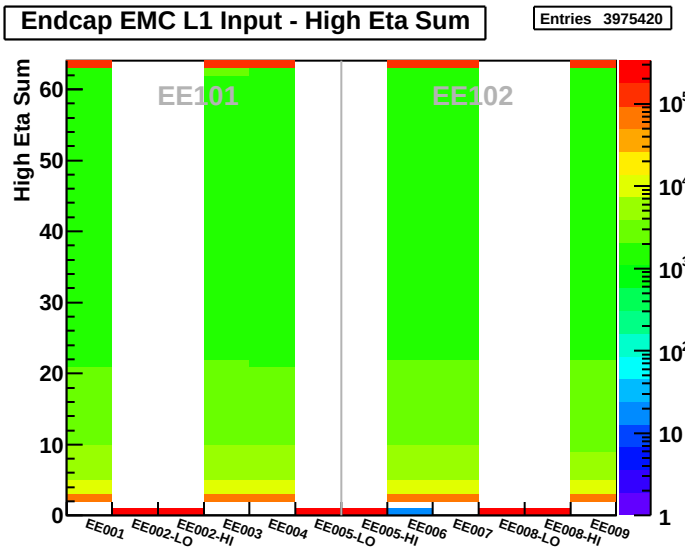

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

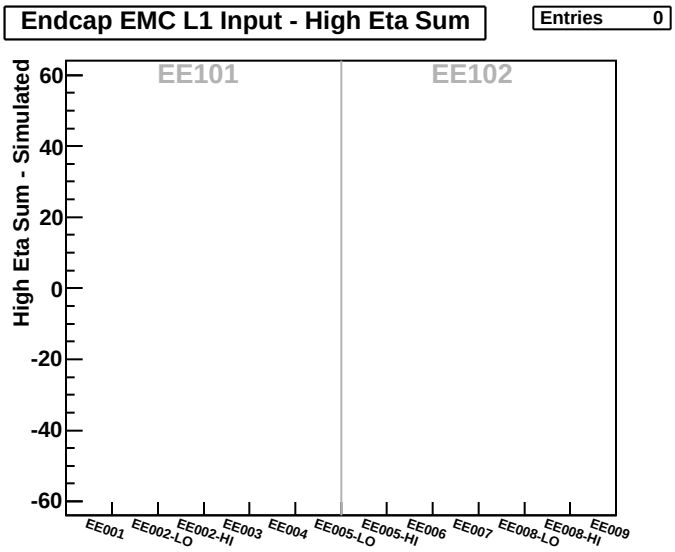

Barrel EMC L1 Input - High Tower Bits
Entries 1.192626e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

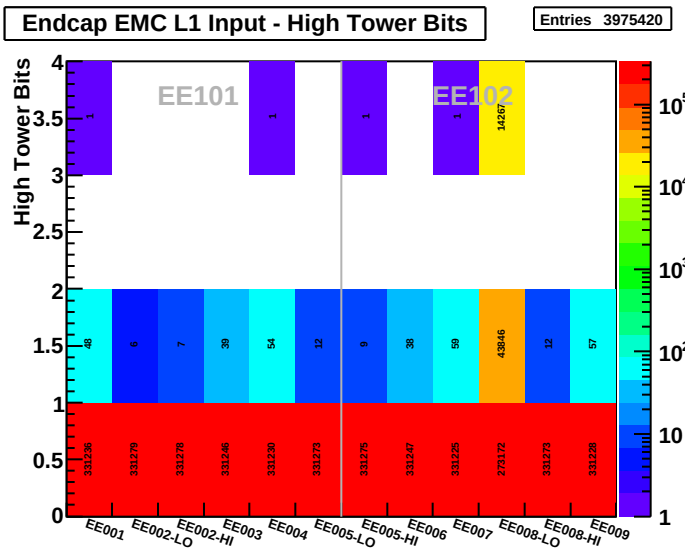

Barrel EMC L1 Input - High Tower Bits
Entries 1.192315e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

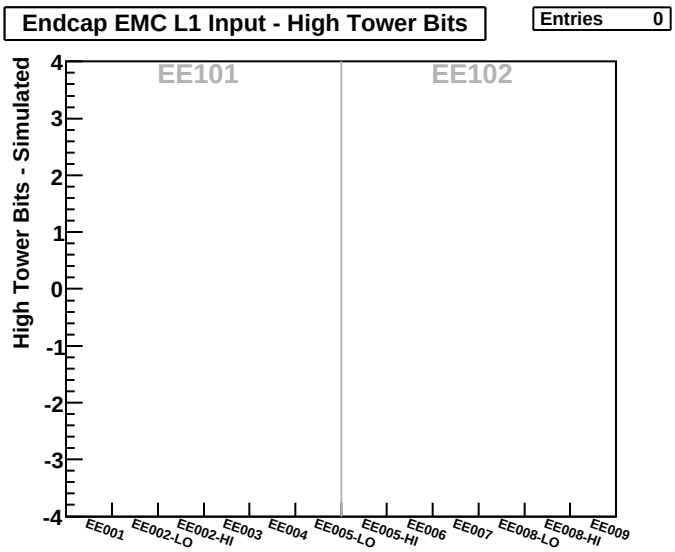

Endcap EMC L1 Input - Low Eta Sum
Entries 3975420
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

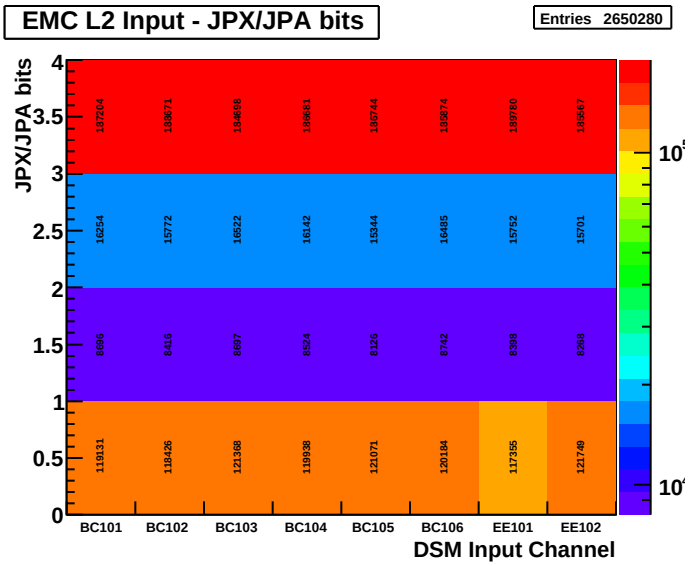

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

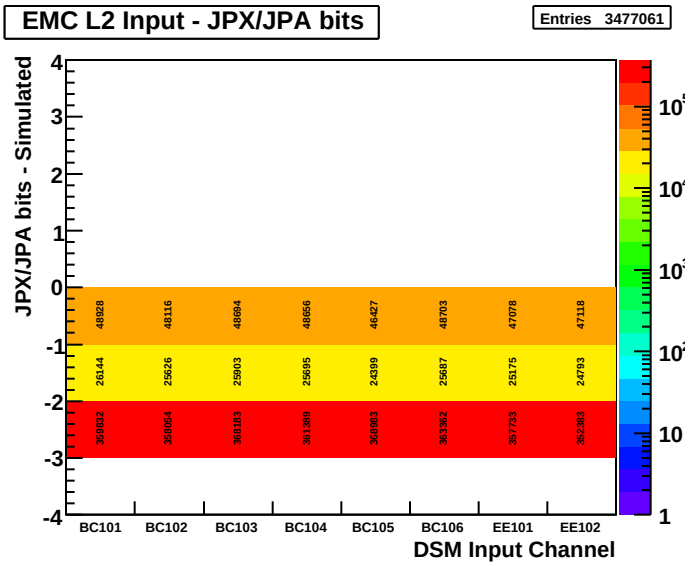

Endcap EMC L1 Input - High Eta Sum
Entries 3975420
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

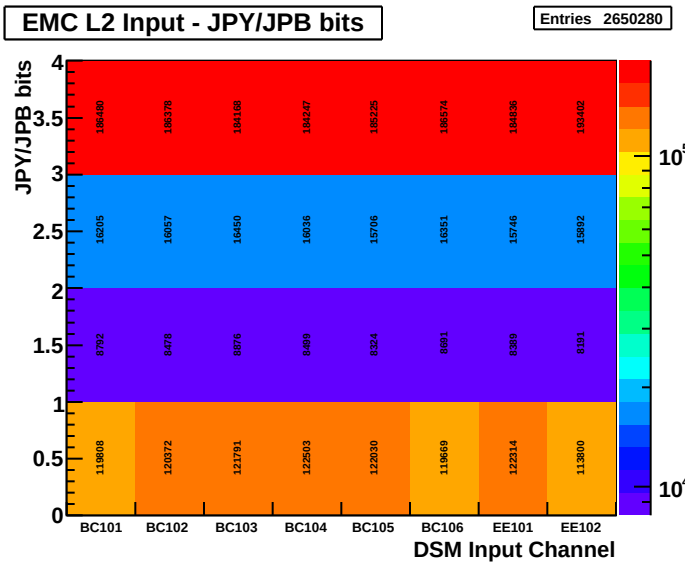

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

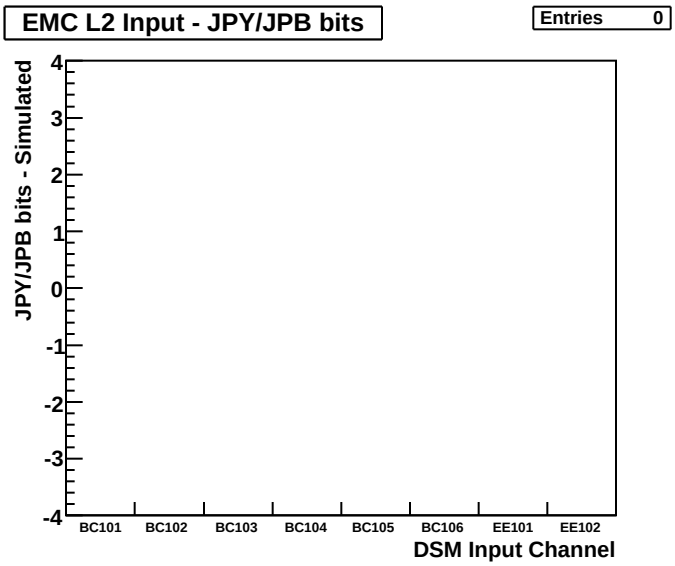

Endcap EMC L1 Input - High Tower Bits
Entries 3975420
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

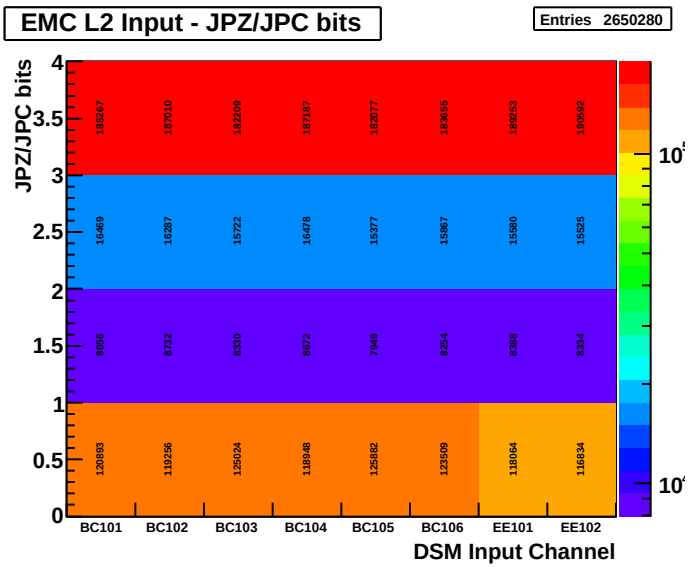

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

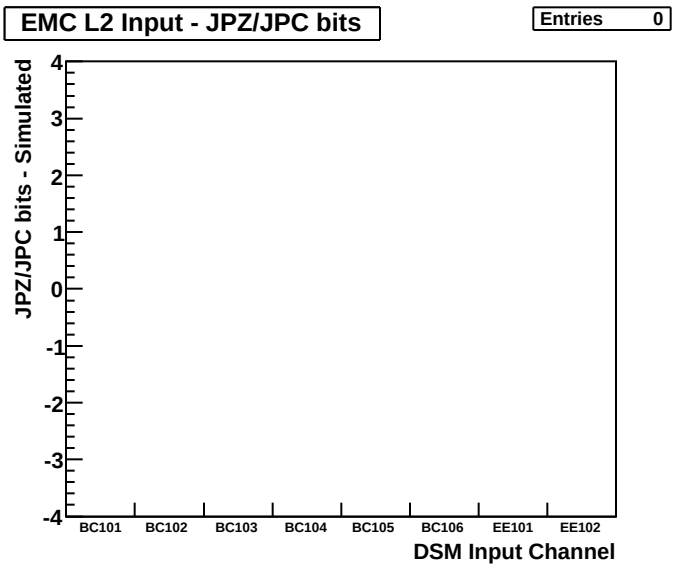

EMC L2 Input - JPX/JPA bits
Entries 2650280
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
197204 188671 184698 186681 186744 185874 189780 185567
16254 15772 16522 16142 15344 16485 15752 15701
8696 8416 8697 8524 8126 8742 8398 8268
119131 118426 121368 119938 121071 120184 117355 121749

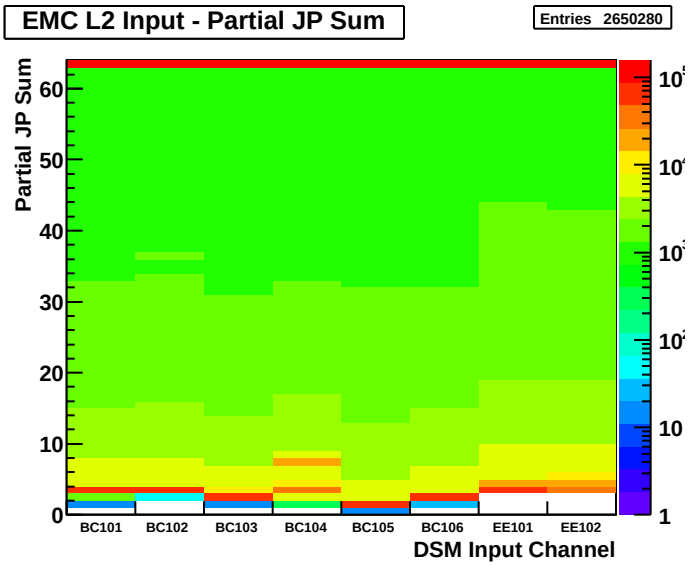

EMC L2 Input - JPX/JPA bits
Entries 3477061
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
48928 48116 48694 48656 46427 48703 47078 47118
25144 25626 25903 25695 24399 25687 25175 24793
359832 358054 360163 361369 358983 363362 357733 352383

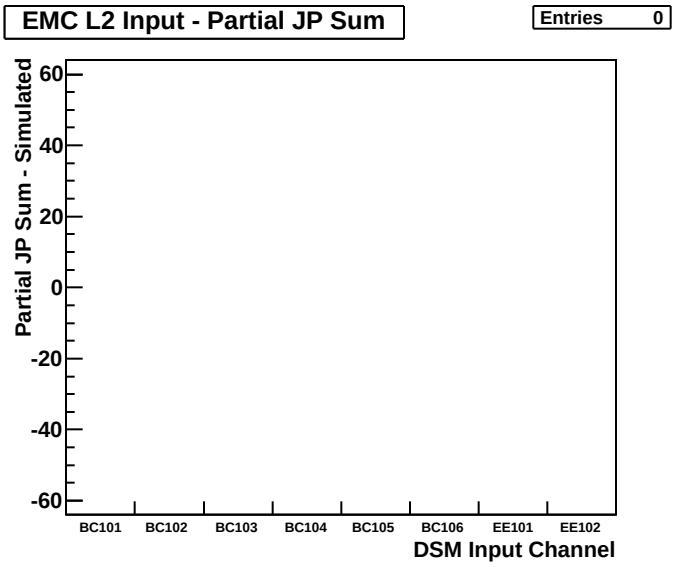

EMC L2 Input - JPY/JPB bits
Entries 2650280
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
186480 186378 184168 184247 185225 186574 184836 193402
16205 16057 16450 16036 15706 16351 15746 15892
8792 8476 8876 8499 8324 8691 8398 8191
118808 120372 121791 122503 122030 119669 122314 113800

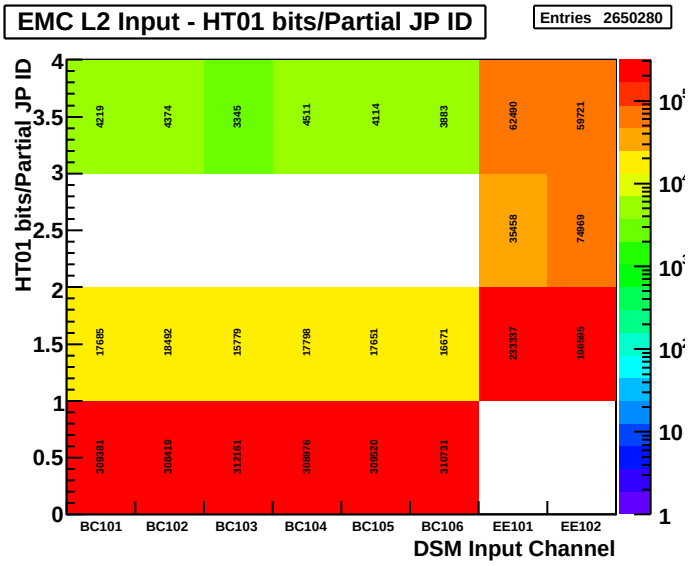

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

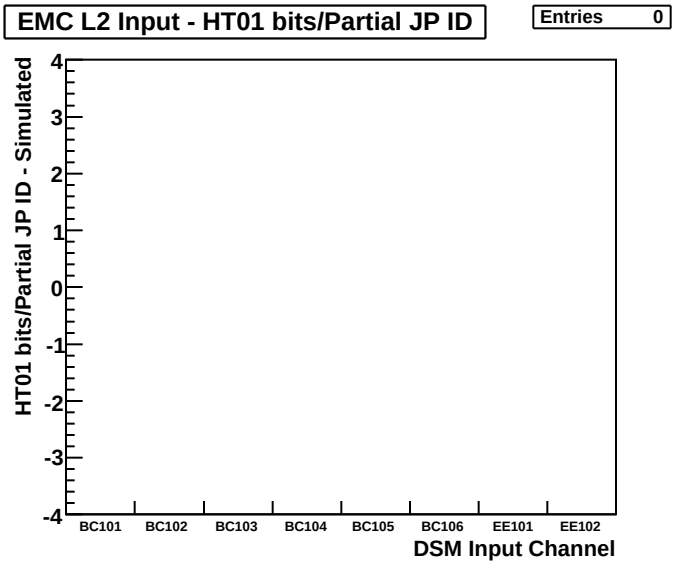

EMC L2 Input - JPZ/JPC bits
Entries 2650280
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
185267 187010 182209 187187 182077 183655 189253 190592
16469 16287 15722 16478 15377 15867 15580 15525
8656 8732 8320 8672 7949 8254 8388 8334
120893 119256 125024 118948 125882 123509 118064 116834

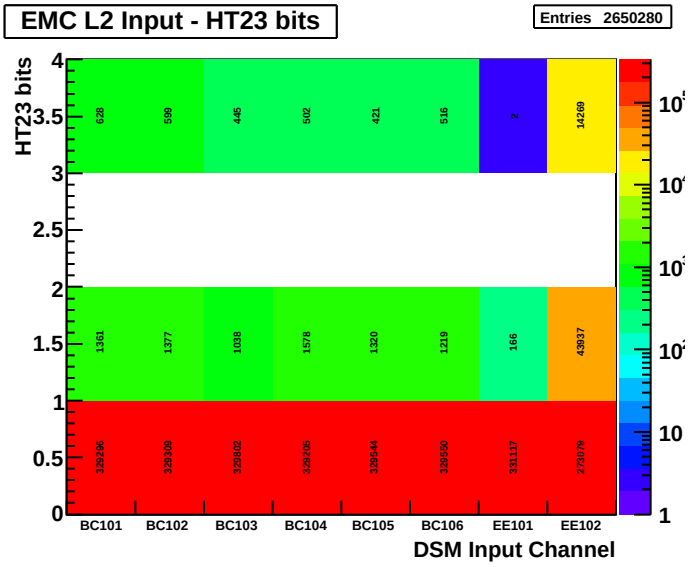

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

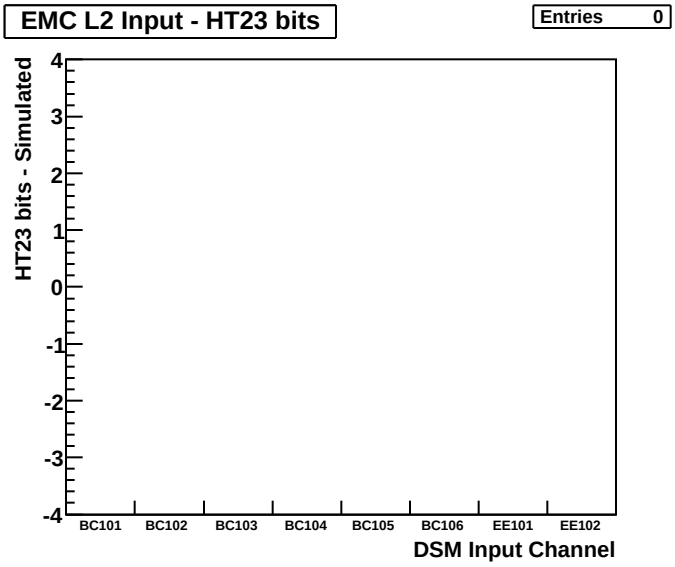

EMC L2 Input - Partial JP Sum
Entries 2650280
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

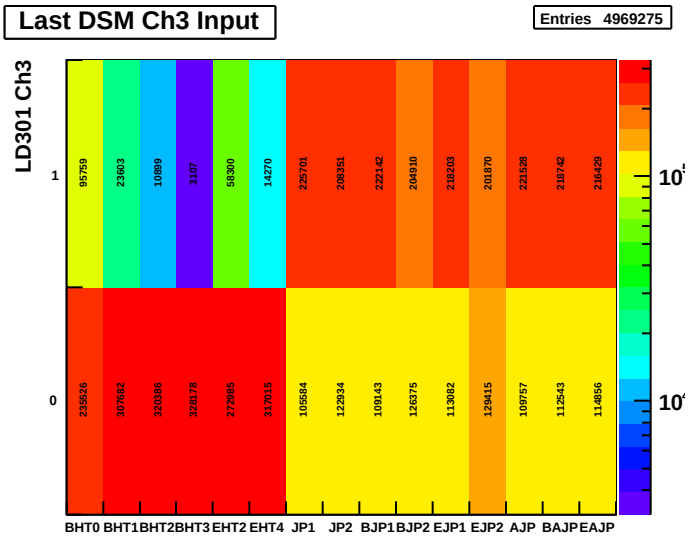

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

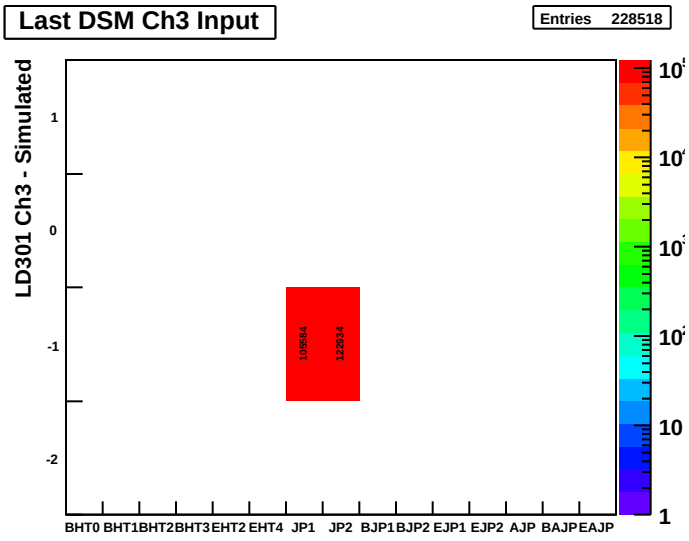

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2650280
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

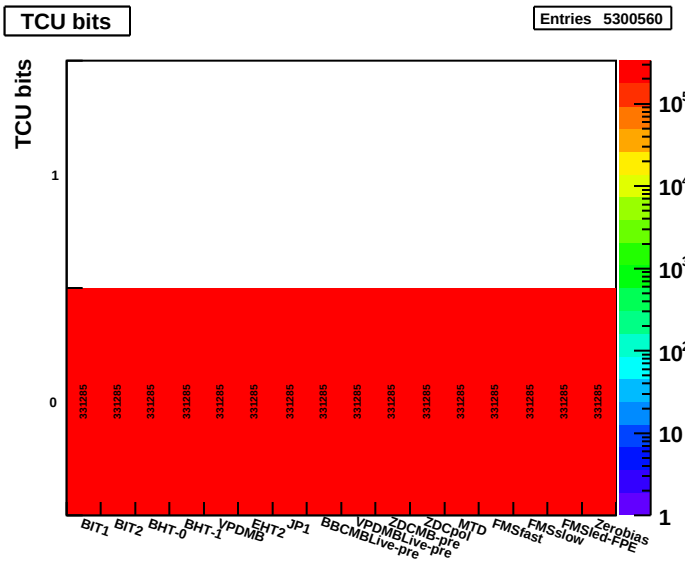

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

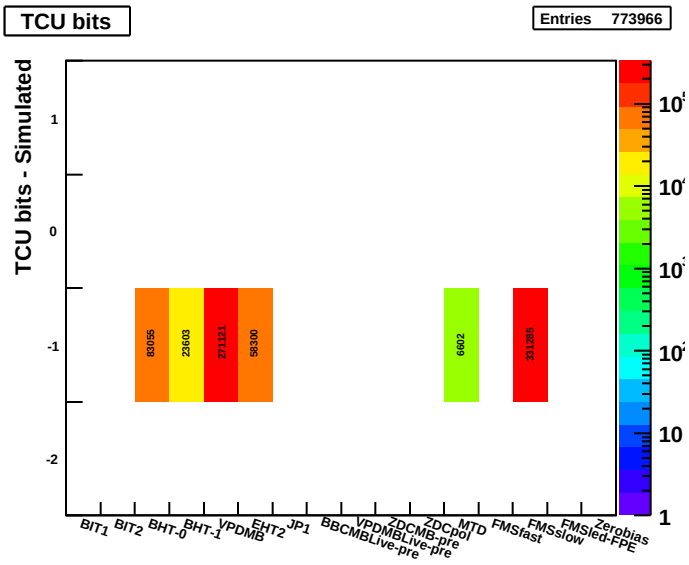

EMC L2 Input - HT23 bits
Entries 2650280
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

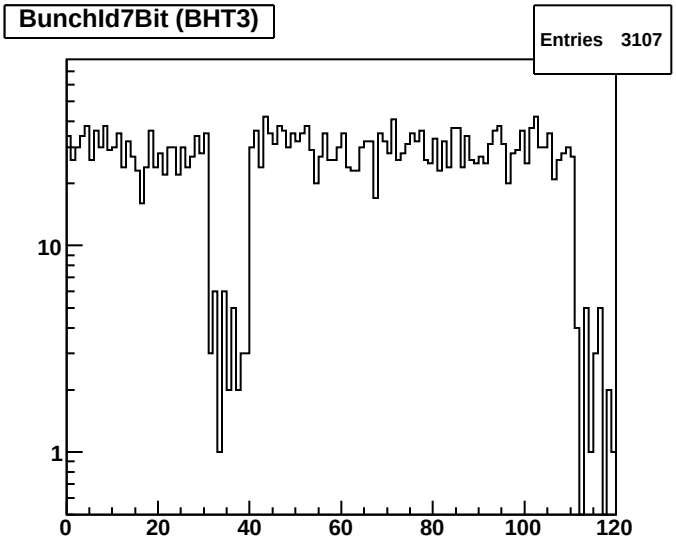

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

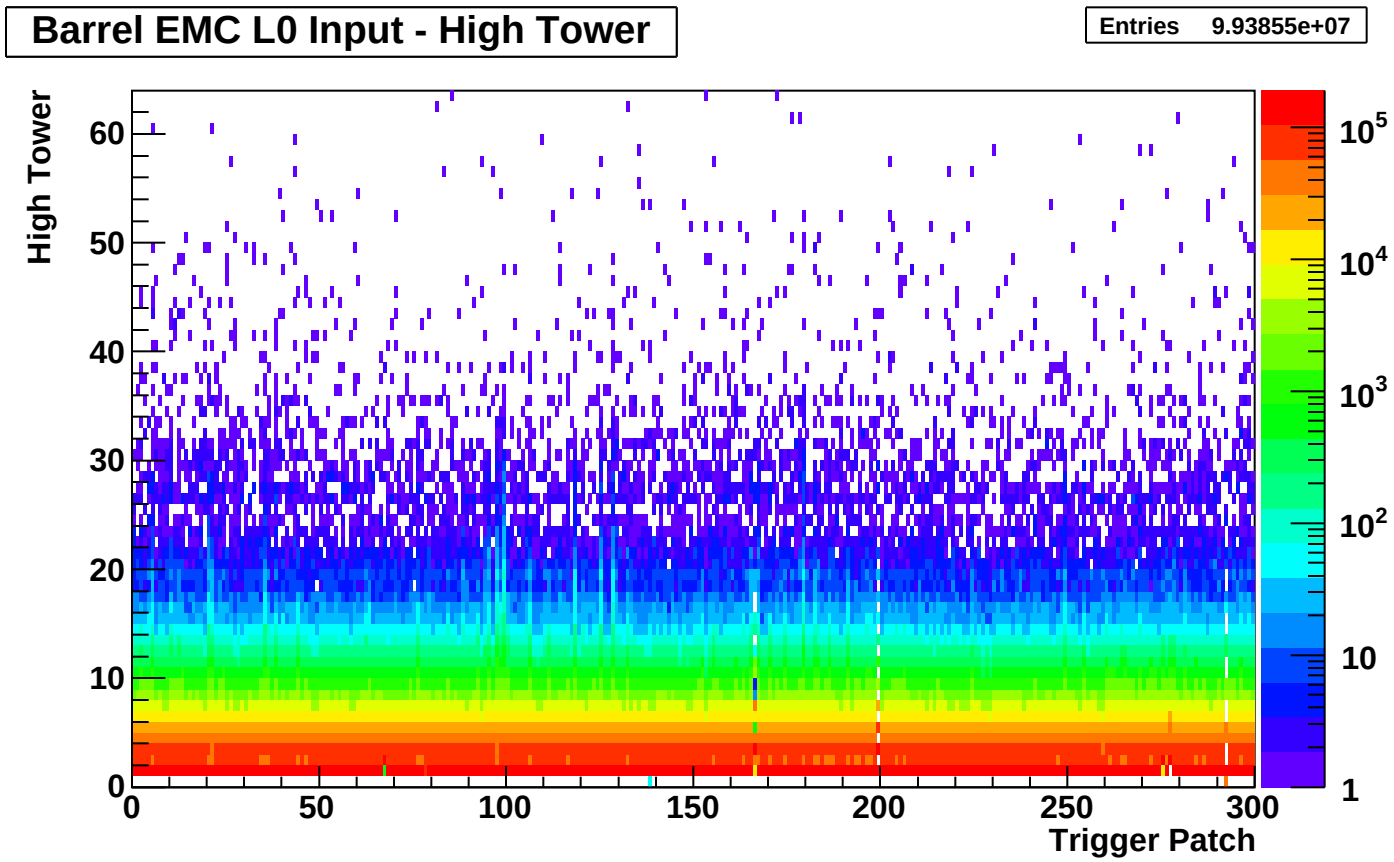

Last DSM Ch3 Input
Entries 4969275
LD301 Ch3
1
0
95759 23603 10899 3107 58300 14270 225701 208351 222142 204910 218203 201870 221528 218742 216429
235526 307682 320366 328178 272985 317015 105584 122934 109143 126375 113082 129415 109757 112543 114856
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

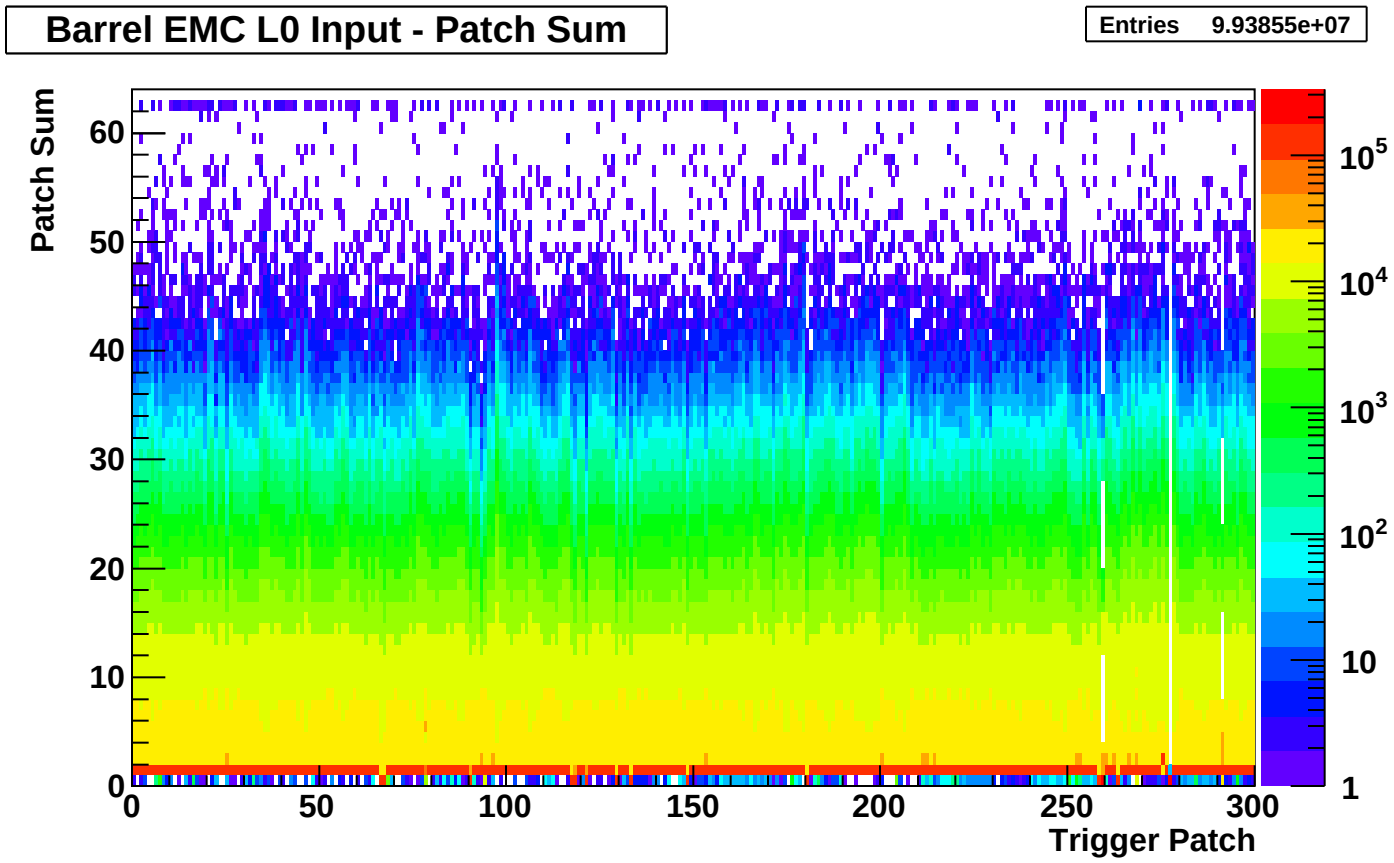

Last DSM Ch3 Input
Entries 228518
LD301 Ch3 - Simulated
1
0
-1
-2
105584 122934
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

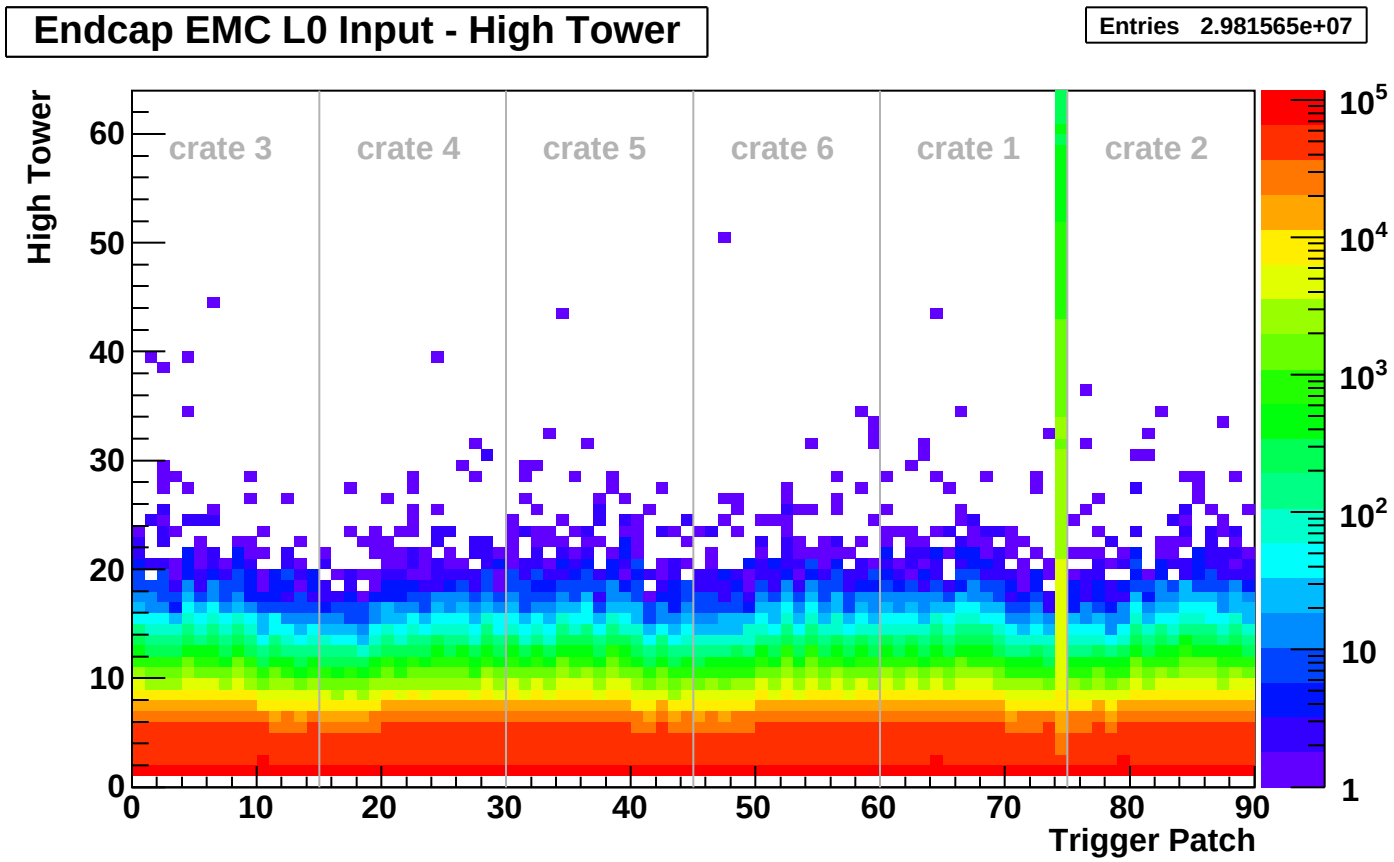

TCU bits
Entries 5300560
TCU bits
1
0
331285
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

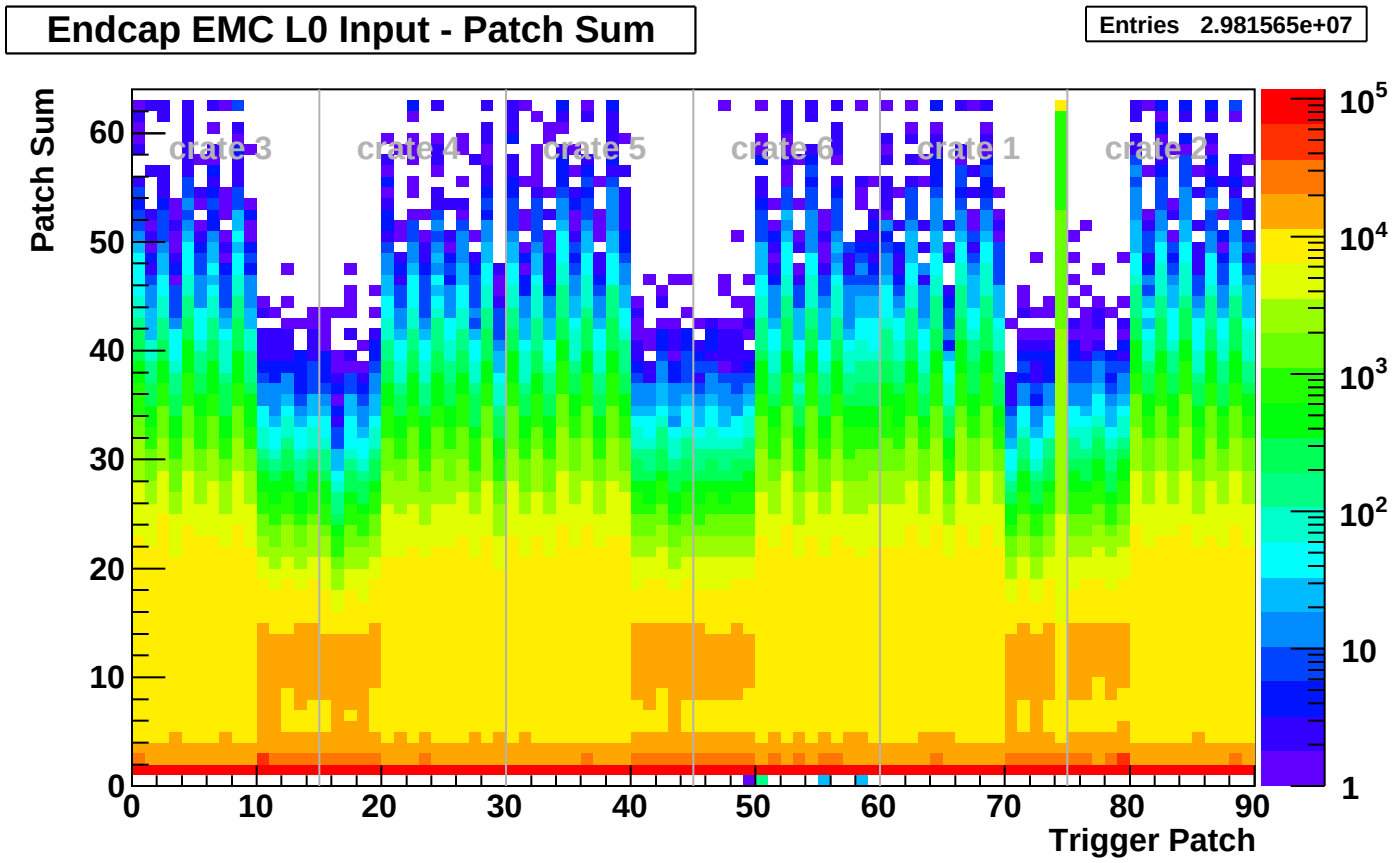

TCU bits
Entries 773966
TCU bits - Simulated
1
0
-1
-2
83055 23603 271121 58300 6602 331285
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

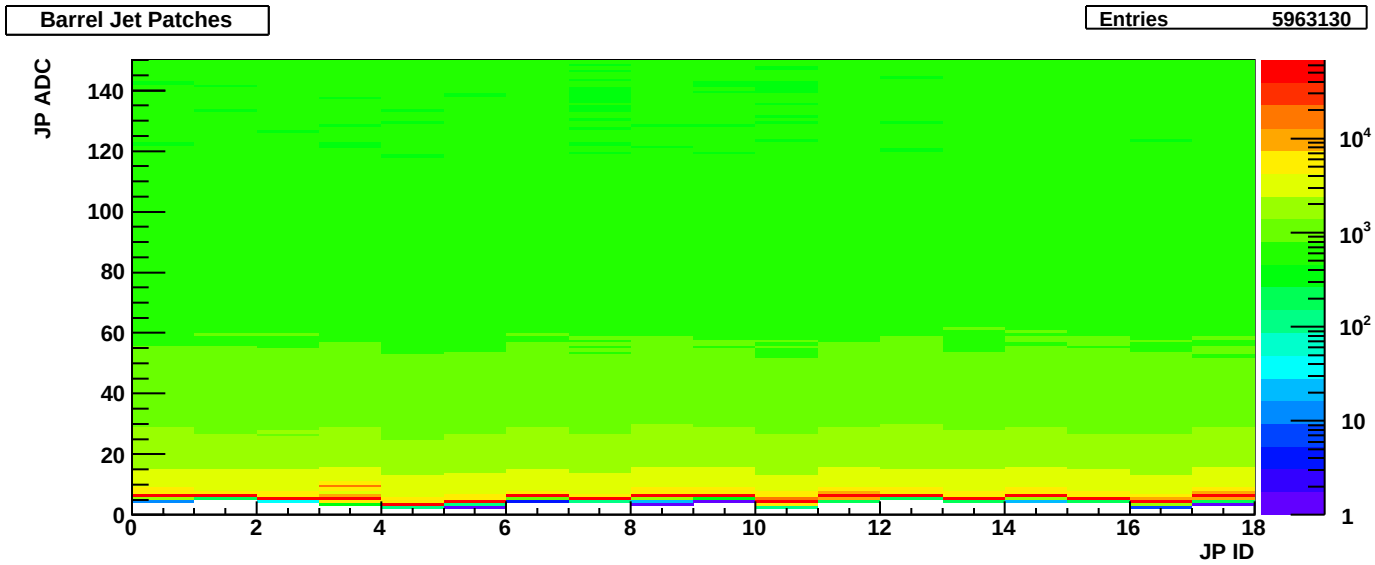

BunchId7Bit (BHT3)
Entries 3107
10
1
0 20 40 60 80 100 120

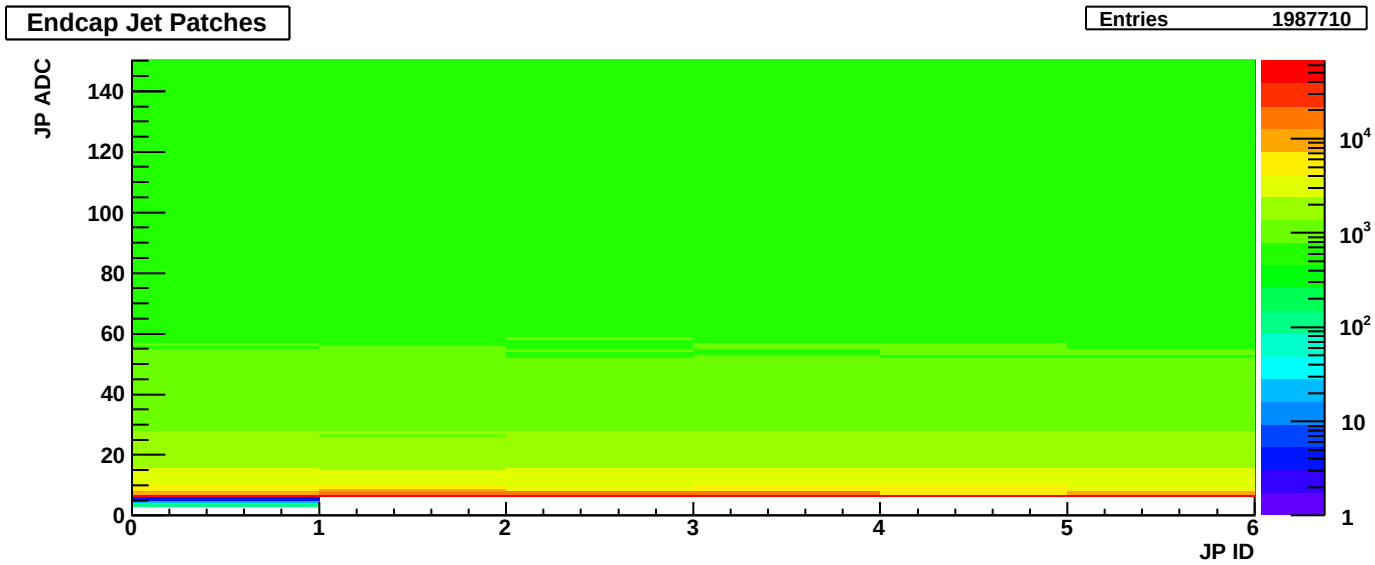

Barrel EMC L0 Input - High Tower
Entries 9.93855e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

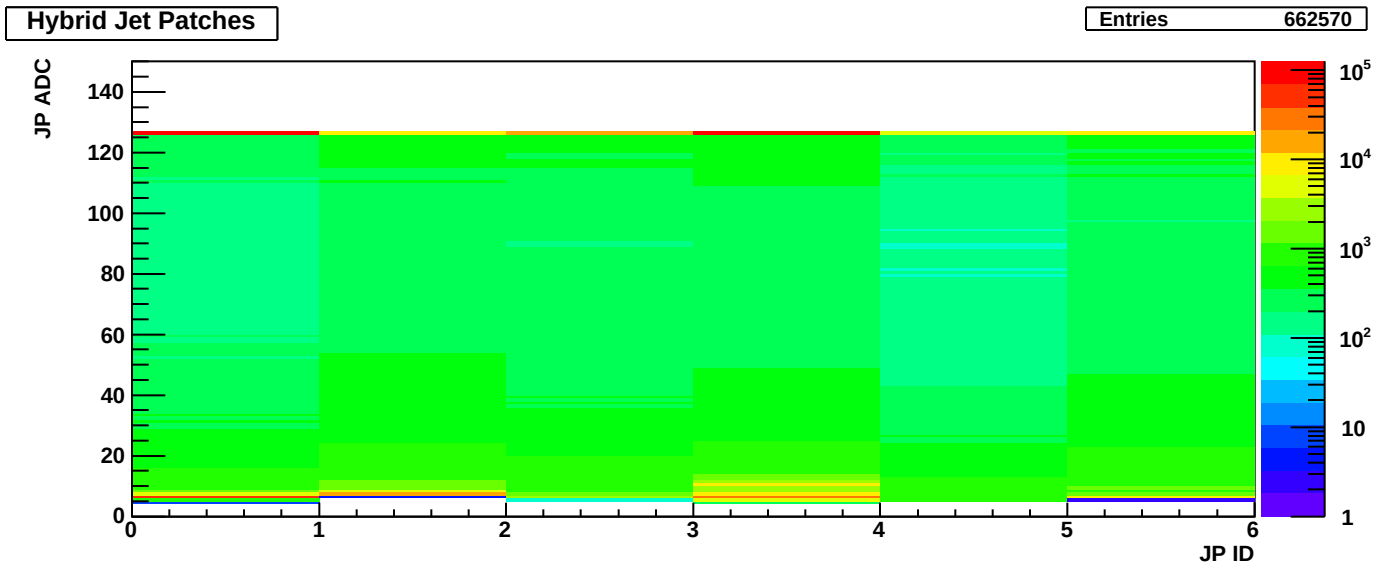

Barrel EMC L0 Input - Patch Sum
Entries 9.93855e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

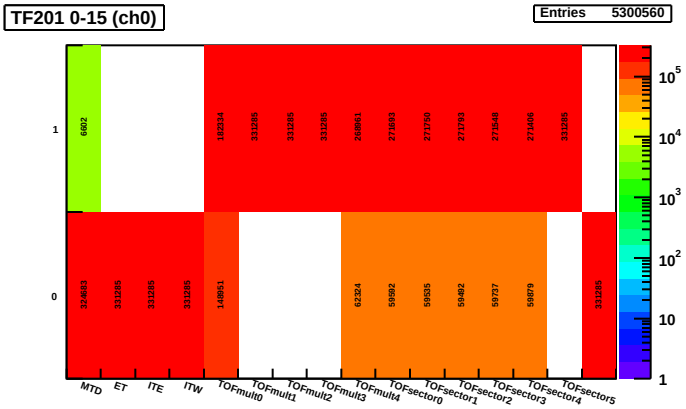

Endcap EMC L0 Input - High Tower
Entries 2.981565e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

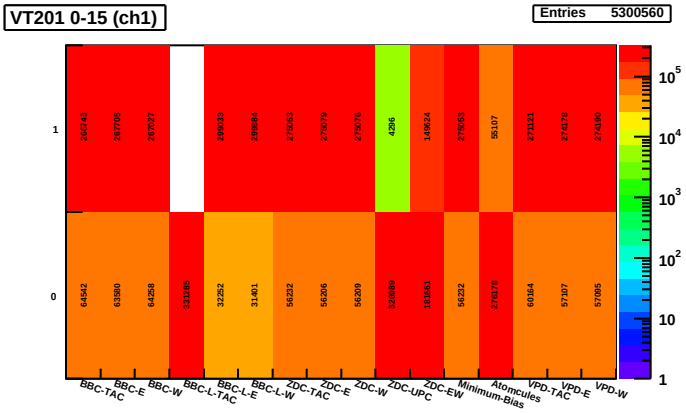

Endcap EMC L0 Input - Patch Sum
Entries 2.981565e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

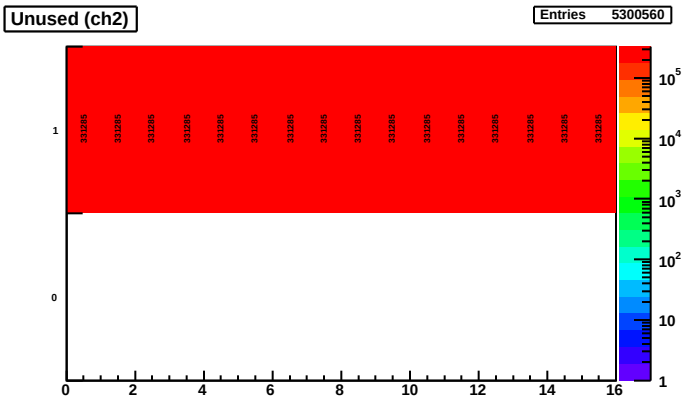

Barrel Jet Patches
Entries 5963130
JP ADC
JP ID

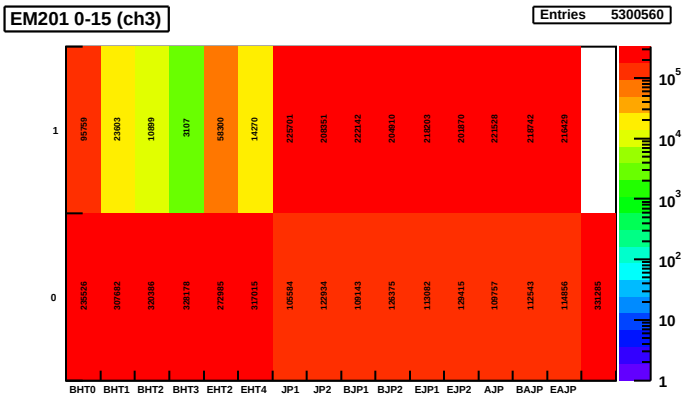

Endcap Jet Patches
Entries 1987710
JP ADC
JP ID

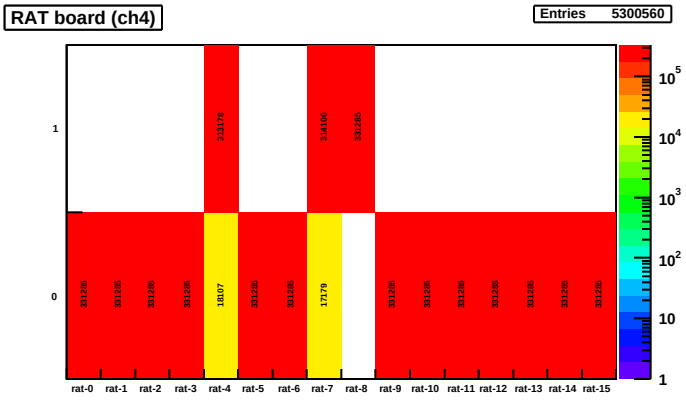

Hybrid Jet Patches
Entries 662570
JP ADC
JP ID

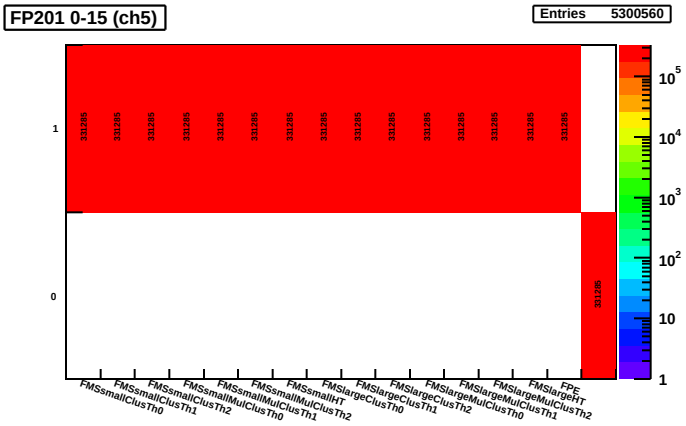

TF201 0-15 (ch0)
Entries 5300560
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

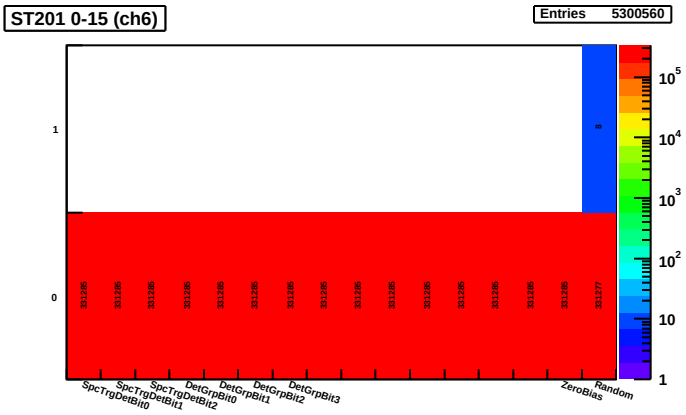

VT201 0-15 (ch1)
Entries 5300560
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

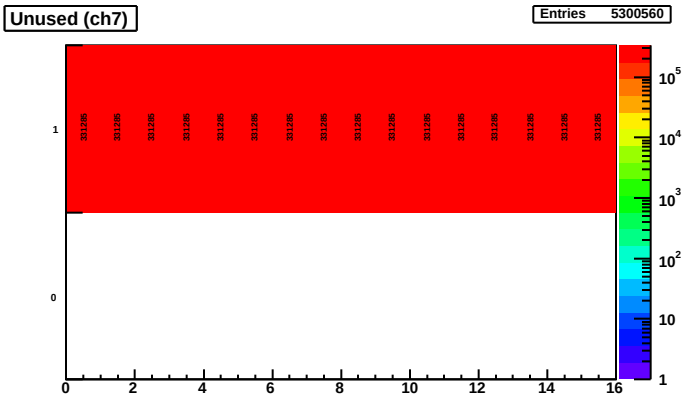

Unused (ch2)
Entries 5300560

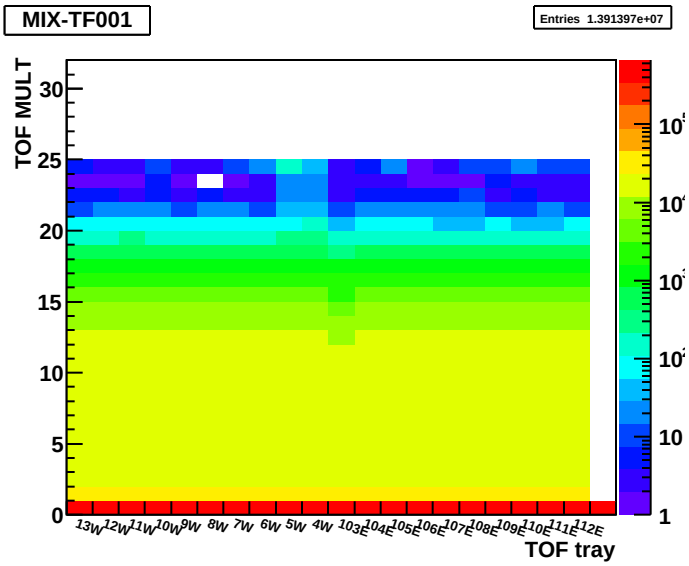

EM201 0-15 (ch3)
Entries 5300560
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

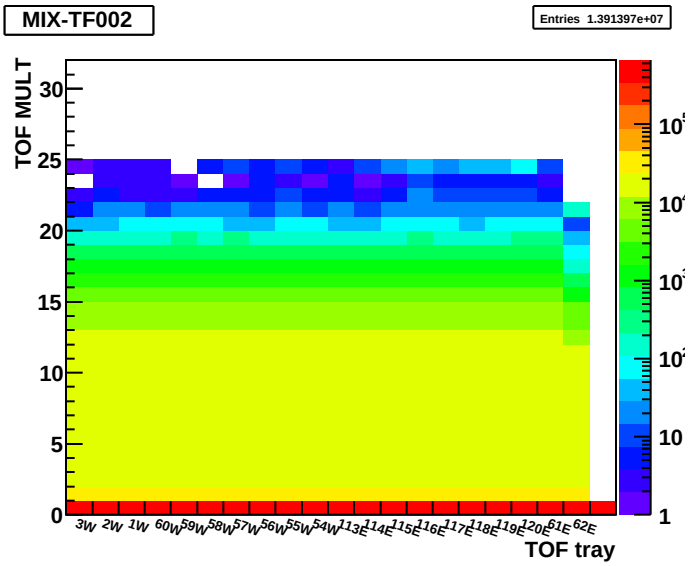

RAT board (ch4)
Entries 5300560
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

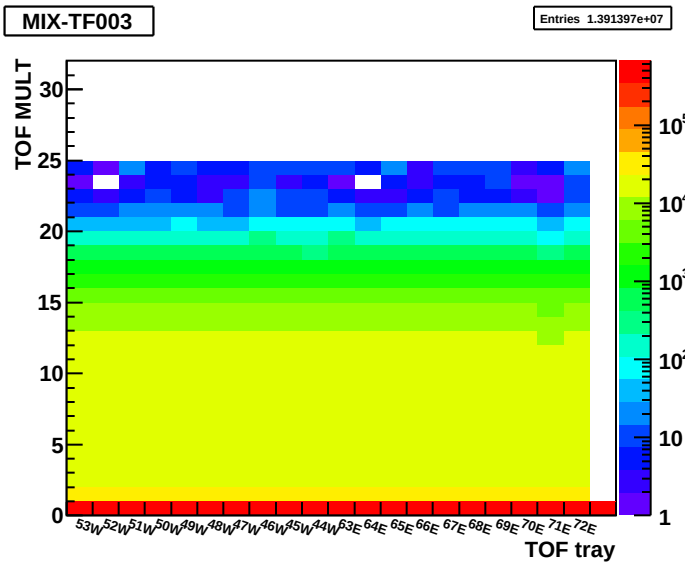

FP201 0-15 (ch5)
Entries 5300560
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

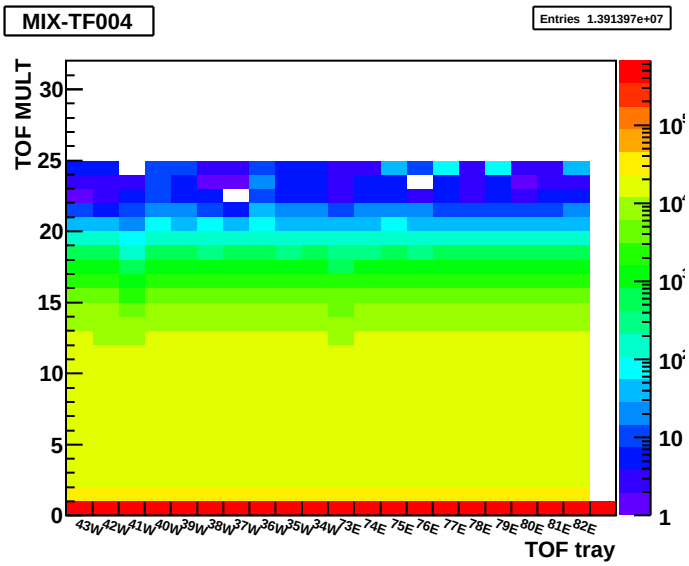

ST201 0-15 (ch6)
Entries 5300560
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

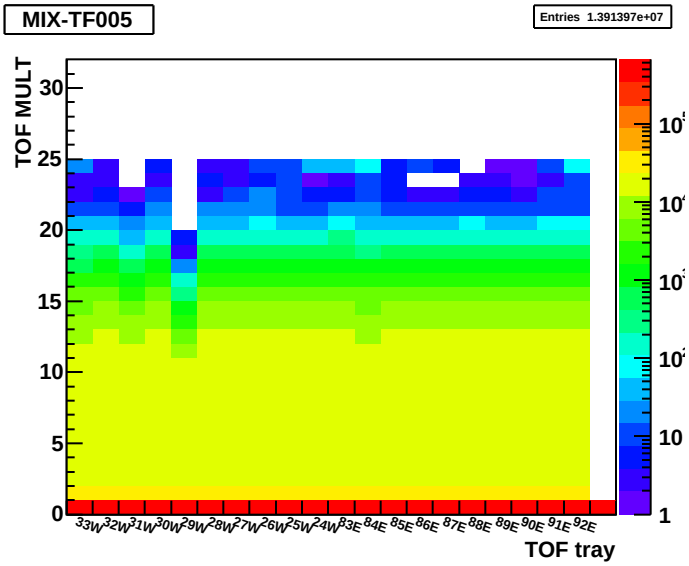

Unused (ch7)
Entries 5300560

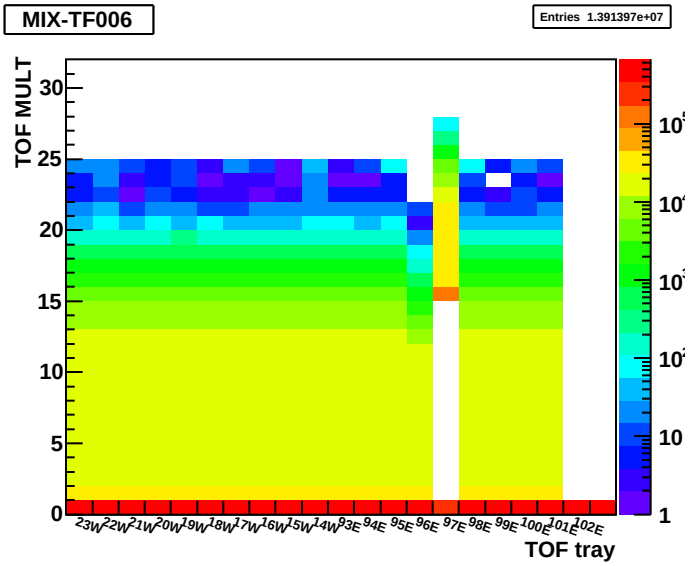

MIX-TF001
Entries 1.391397e+07
TOF MULT
TOF tray

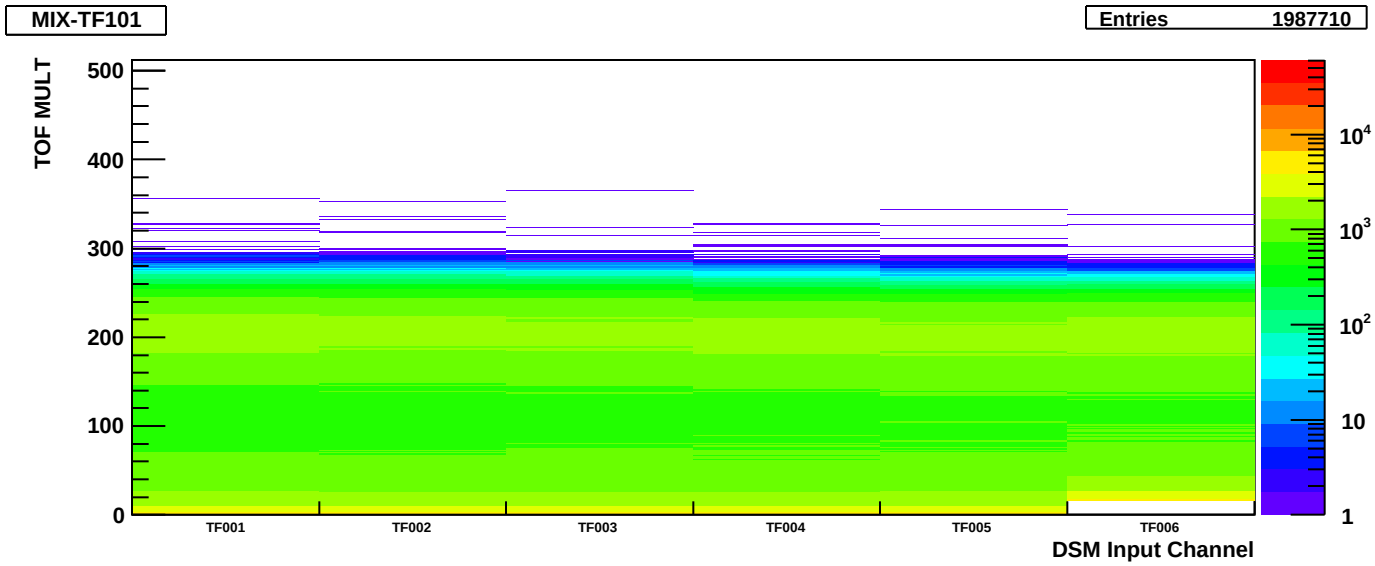

MIX-TF002
Entries 1.391397e+07
TOF MULT
TOF tray

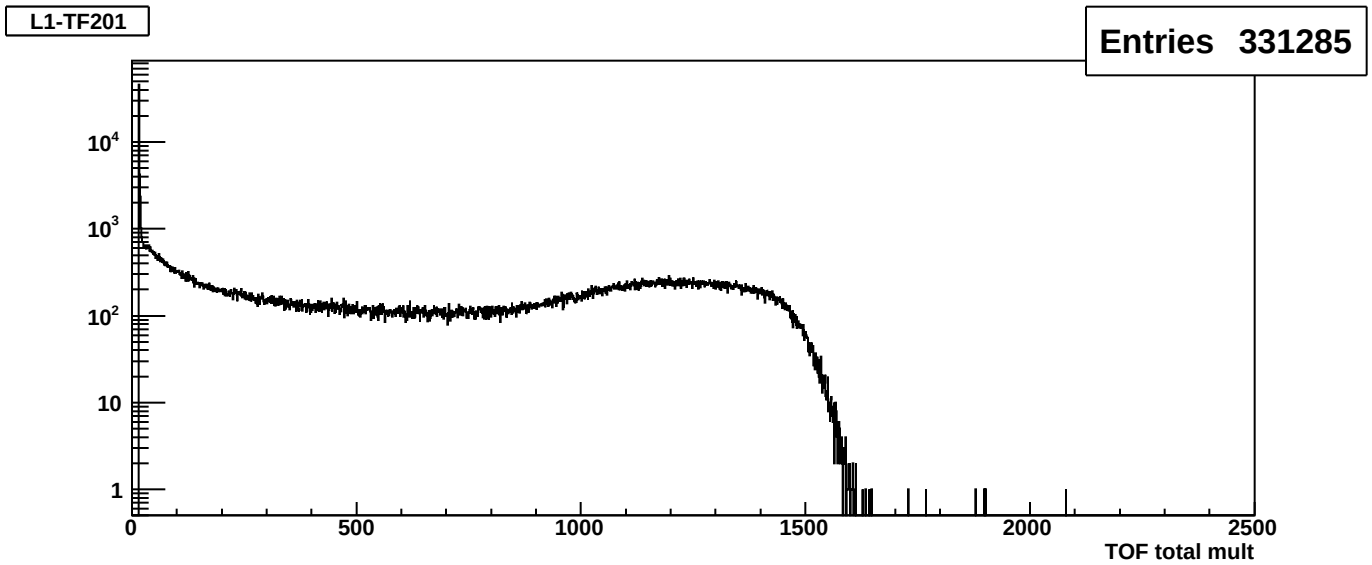

MIX-TF003
Entries 1.391397e+07
TOF MULT
TOF tray

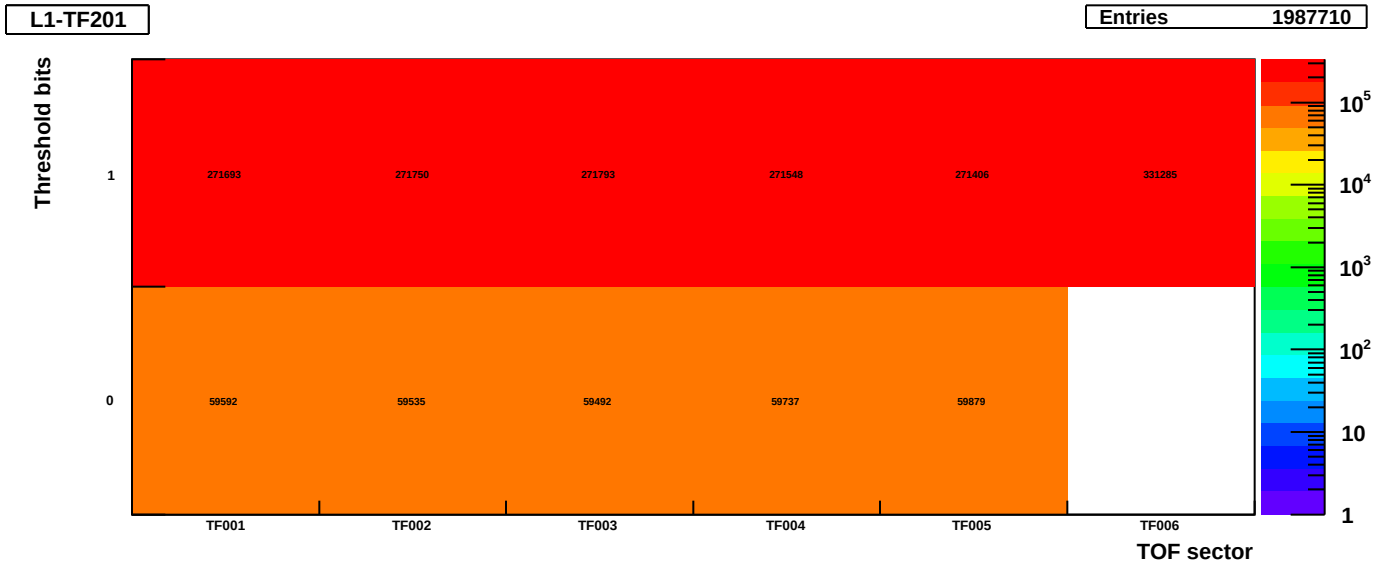

MIX-TF004
Entries 1.391397e+07
TOF MULT
TOF tray

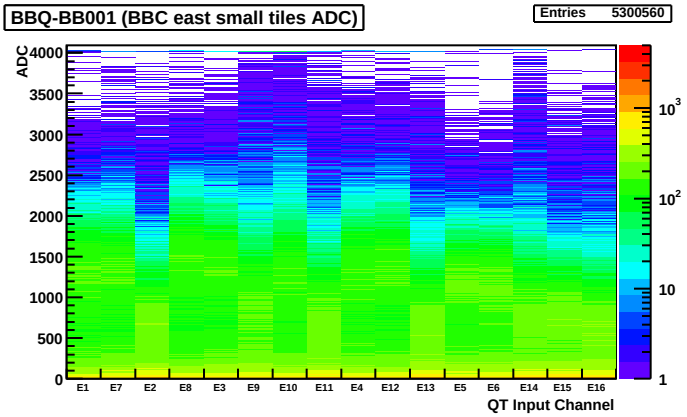

MIX-TF005
Entries 1.391397e+07
TOF MULT
TOF tray

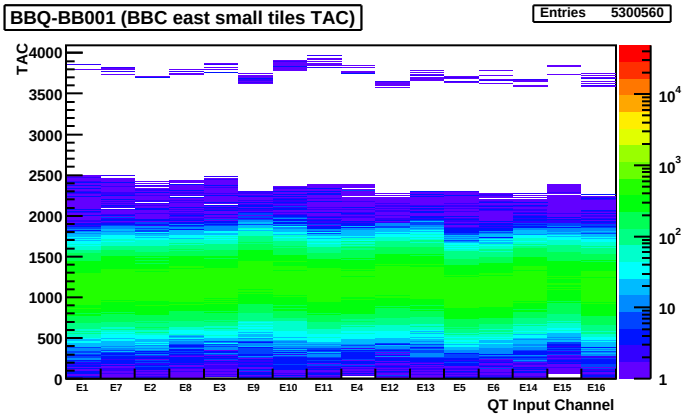

MIX-TF006
Entries 1.391397e+07
TOF MULT
TOF tray

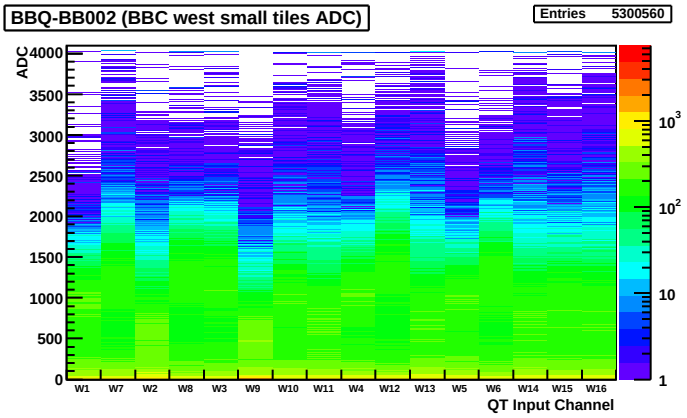

MIX-TF101
Entries 1987710
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

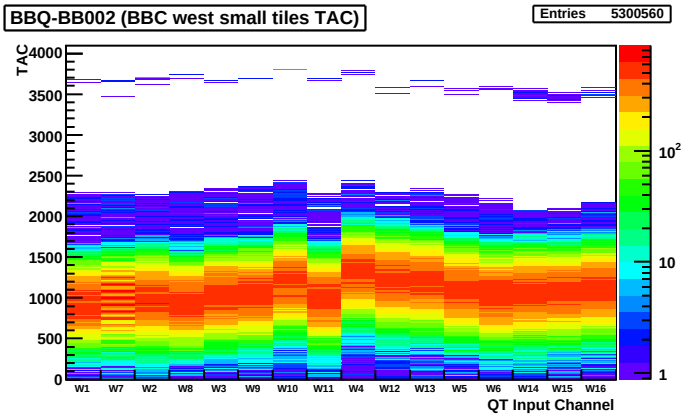

L1-TF201
Entries 331285
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

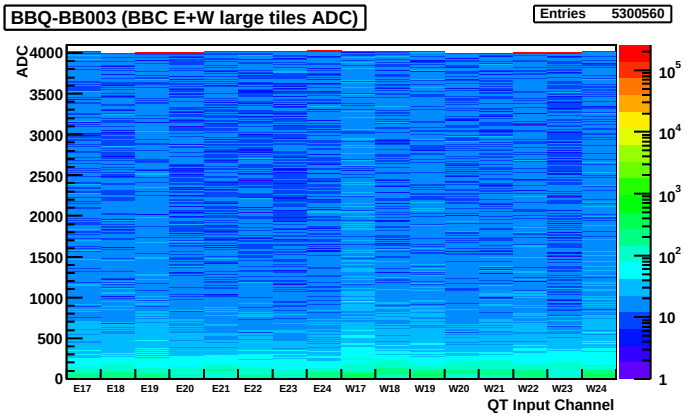

L1-TF201
Entries 1987710
Threshold bits
1
0
271693
271750
271793
271548
271406
331285
59592
59535
59492
59737
59879
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4
10^3
10^2
10
1

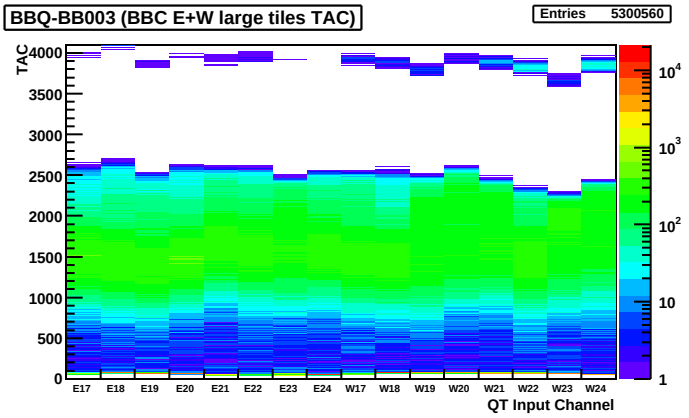

BBQ-BB001 (BBC east small tiles ADC)
Entries 5300560
ADC
QT Input Channel

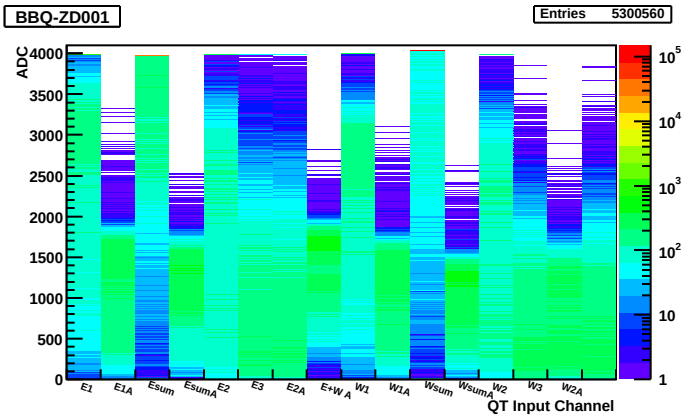

BBQ-BB001 (BBC east small tiles TAC)
Entries 5300560
TAC
QT Input Channel

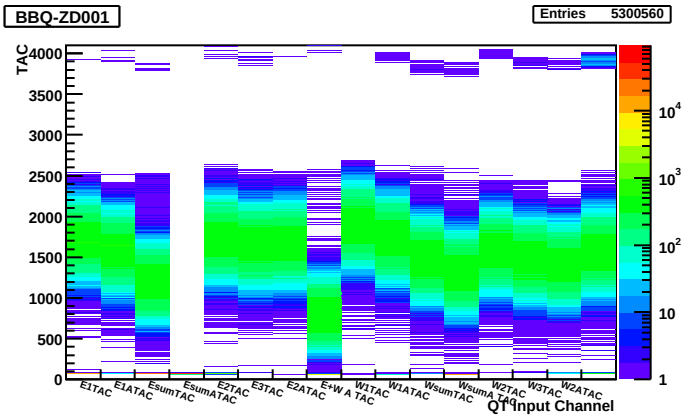

BBQ-BB002 (BBC west small tiles ADC)
Entries 5300560
ADC
QT Input Channel

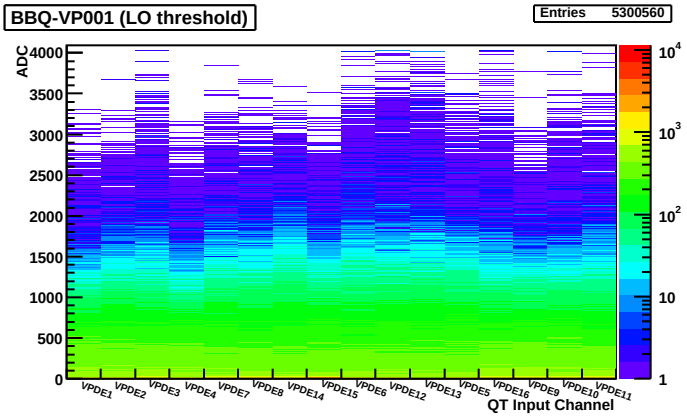

BBQ-BB002 (BBC west small tiles TAC)
Entries 5300560
TAC
QT Input Channel

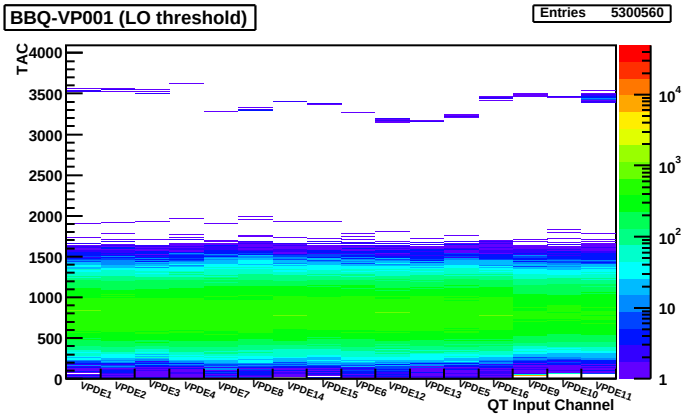

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5300560
ADC
QT Input Channel

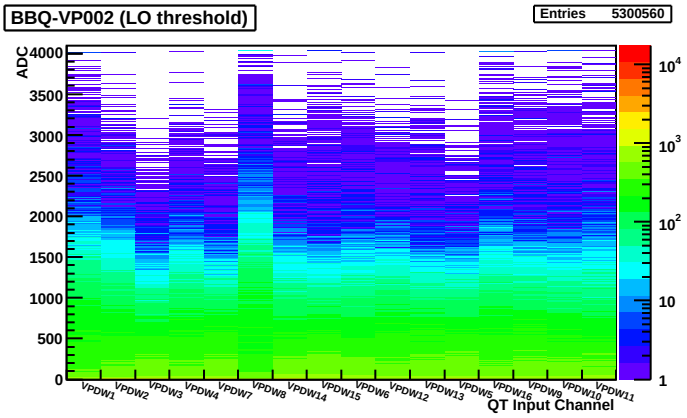

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5300560
TAC
QT Input Channel

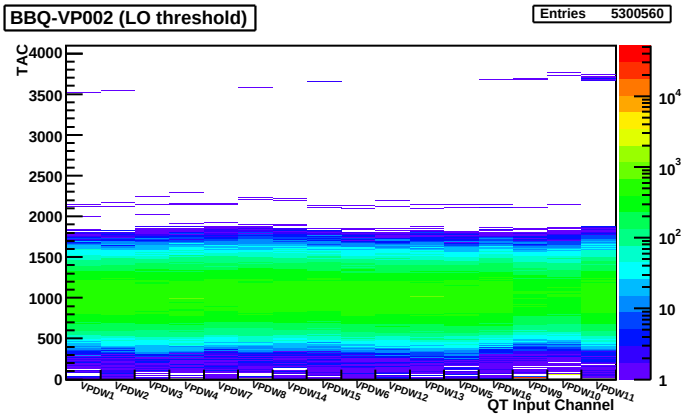

BBQ-ZD001
Entries 5300560
ADC
QT Input Channel

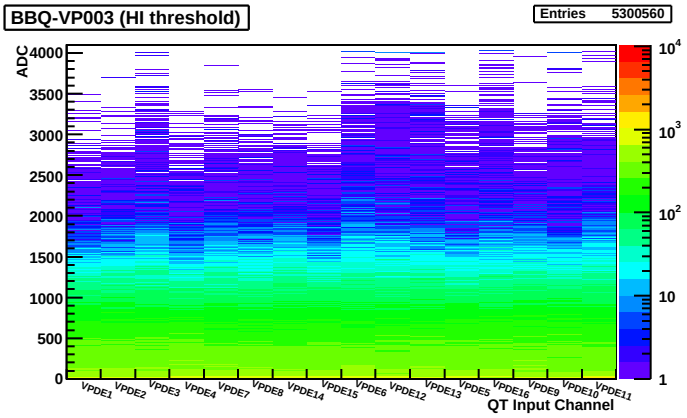

BBQ-ZD001
Entries 5300560
TAC
QT Input Channel

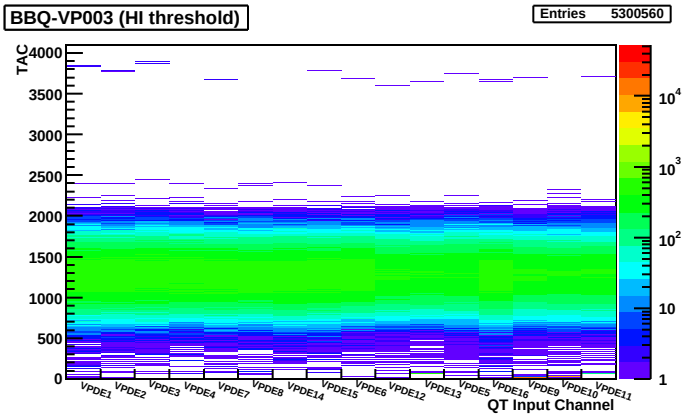

BBQ-VP001 (LO threshold)
Entries 5300560
ADC
QT Input Channel

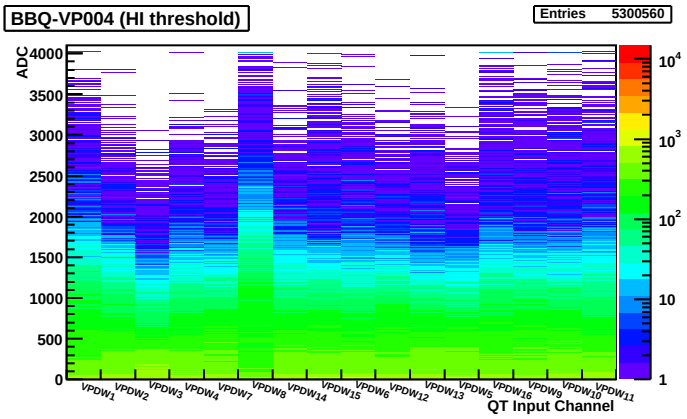

BBQ-VP001 (LO threshold)
Entries 5300560
TAC
QT Input Channel

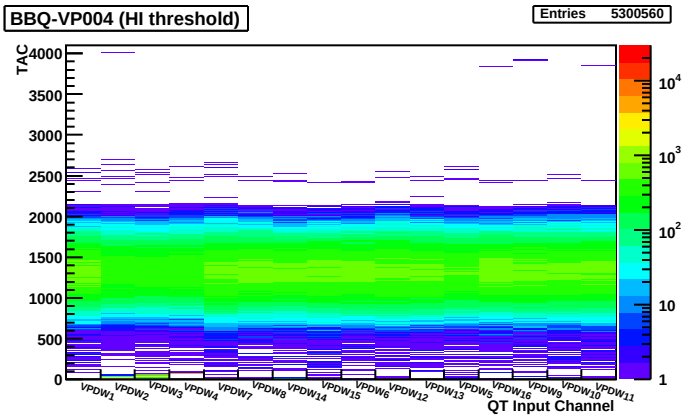

BBQ-VP002 (LO threshold)
Entries 5300560
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 5300560
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5300560
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5300560
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5300560
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5300560
TAC
QT Input Channel