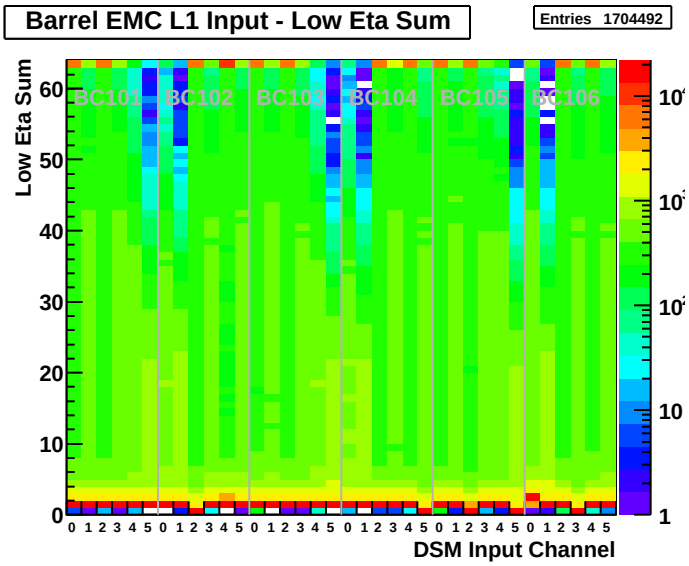
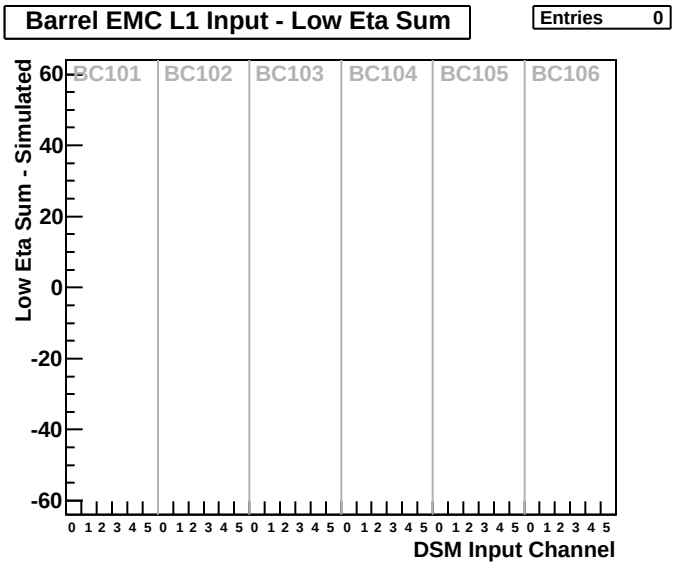
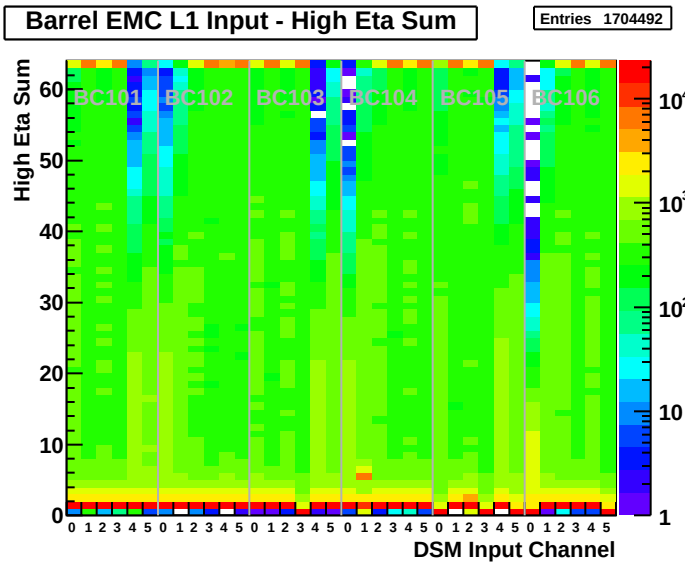
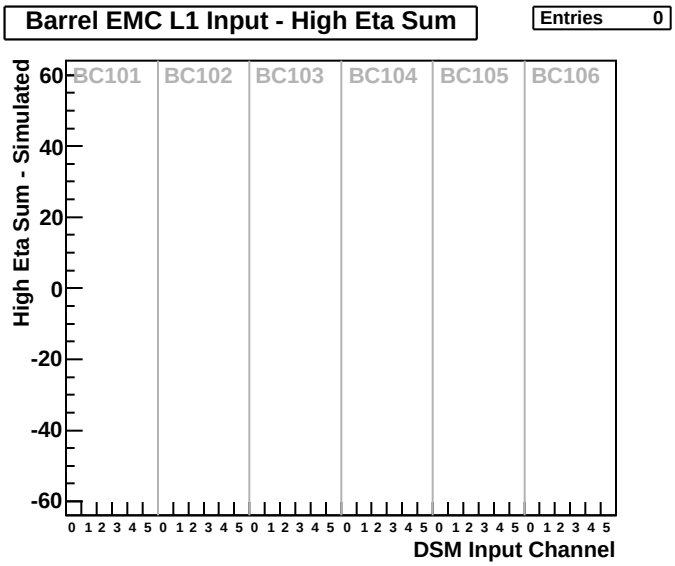
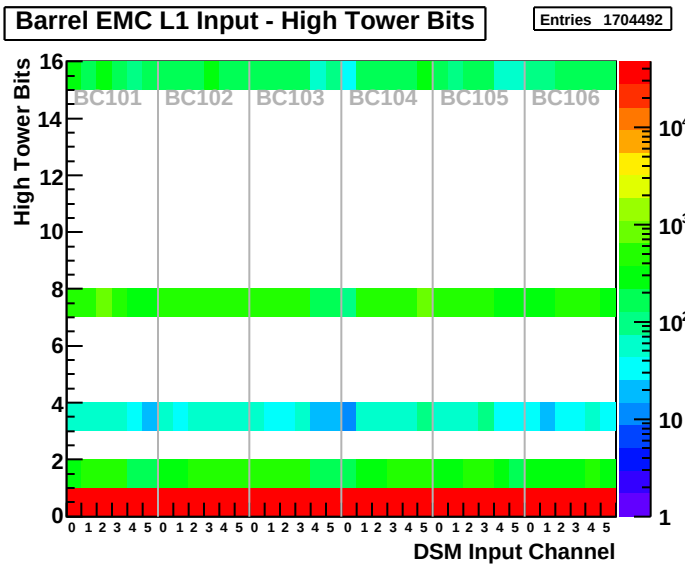
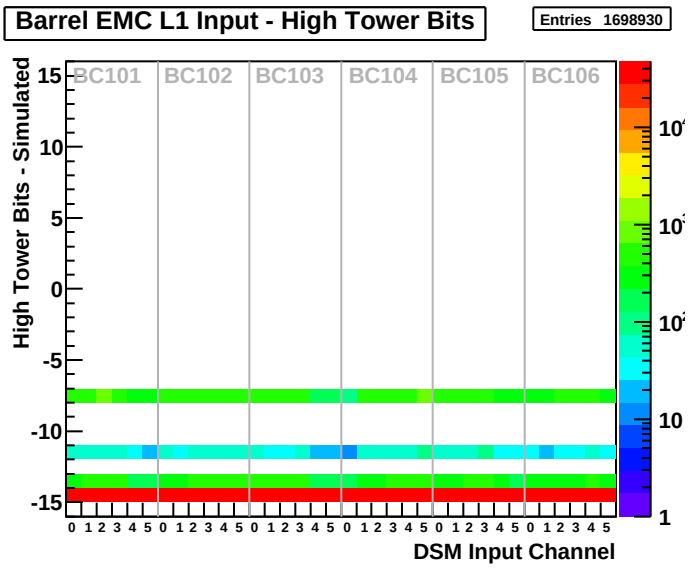

Barrel EMC L1 Input - Low Eta Sum
Entries 1704492
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

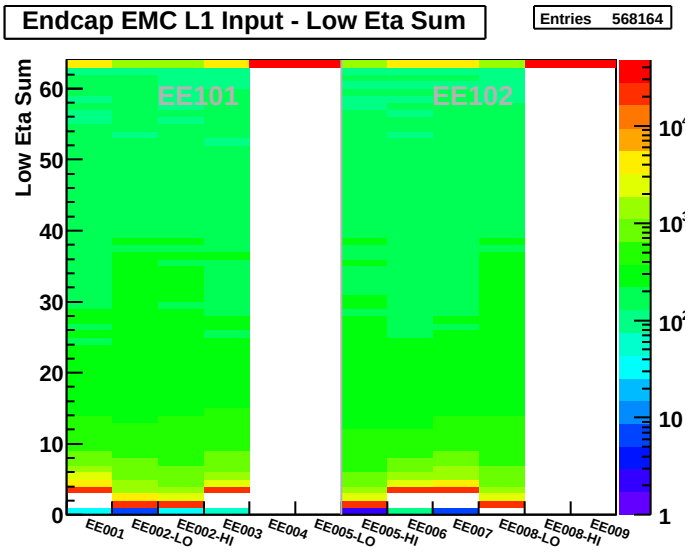

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

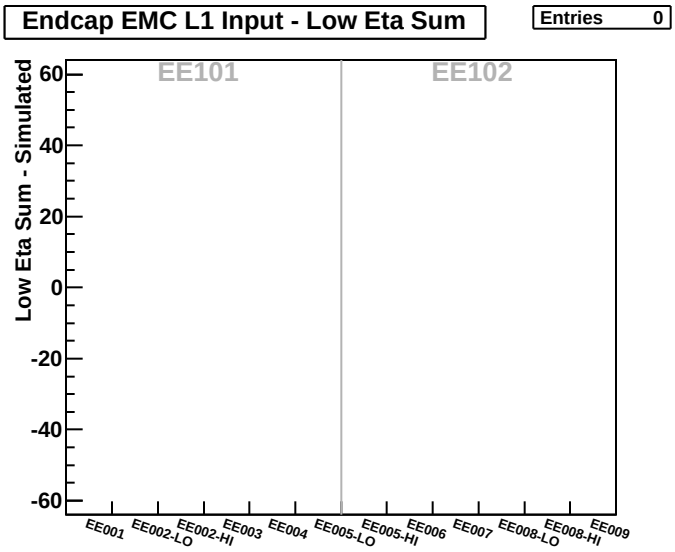

Barrel EMC L1 Input - High Eta Sum
Entries 1704492
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

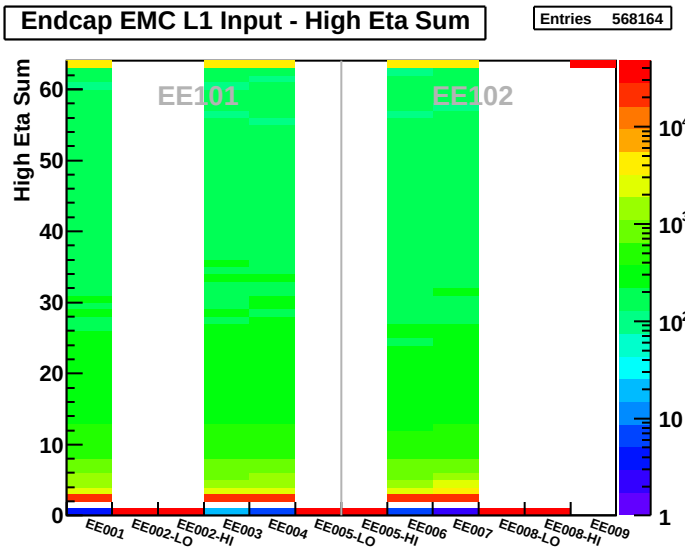

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

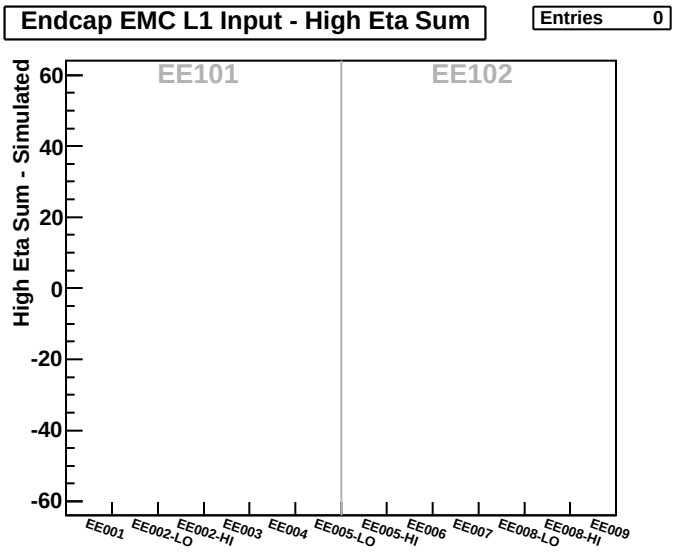

Barrel EMC L1 Input - High Tower Bits
Entries 1704492
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

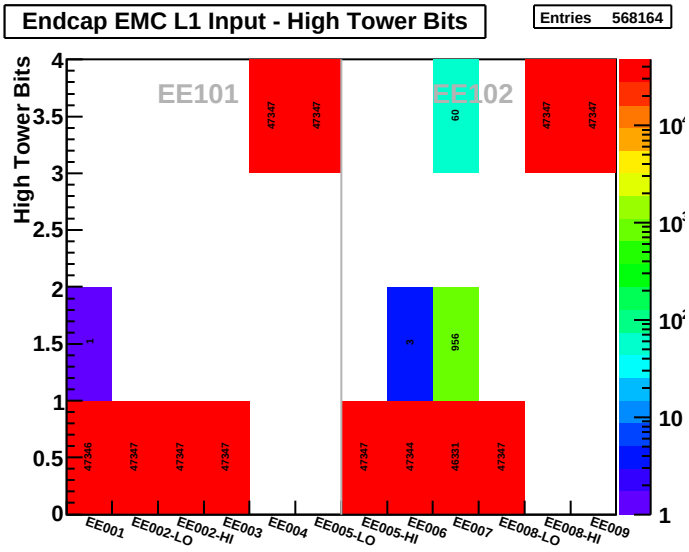

Barrel EMC L1 Input - High Tower Bits
Entries 1698930
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

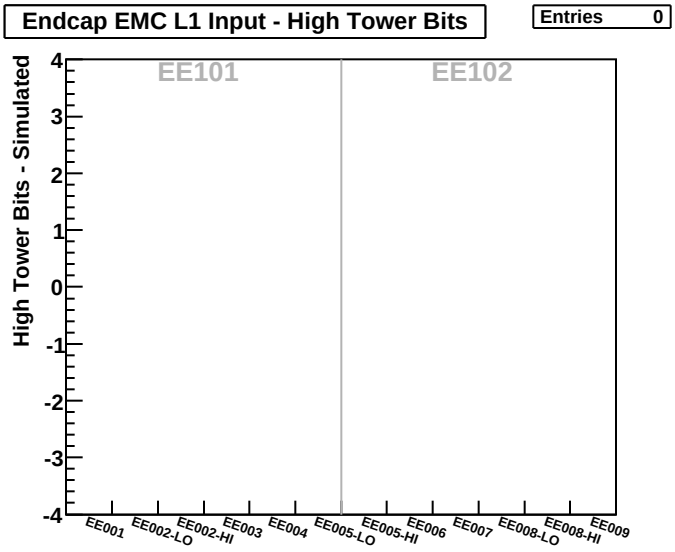

Endcap EMC L1 Input - Low Eta Sum
Entries 568164
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

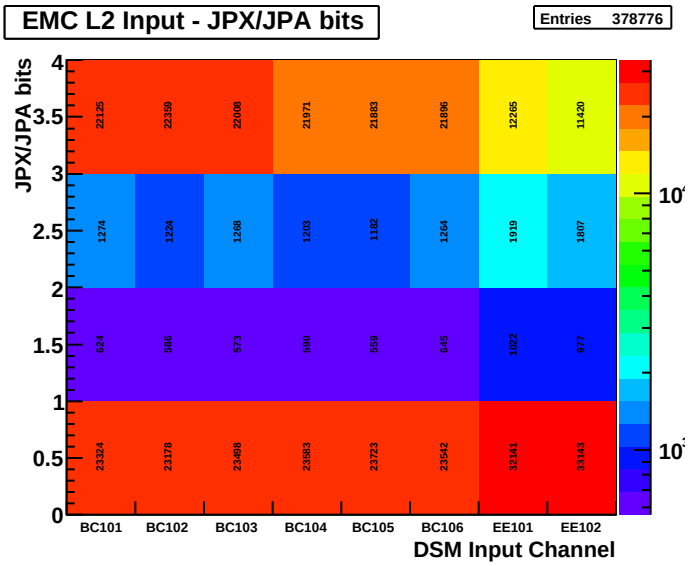

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

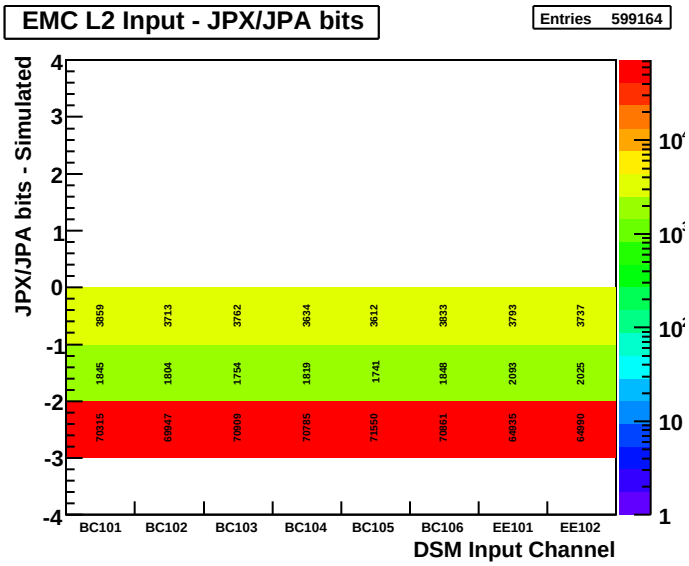

Endcap EMC L1 Input - High Eta Sum
Entries 568164
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

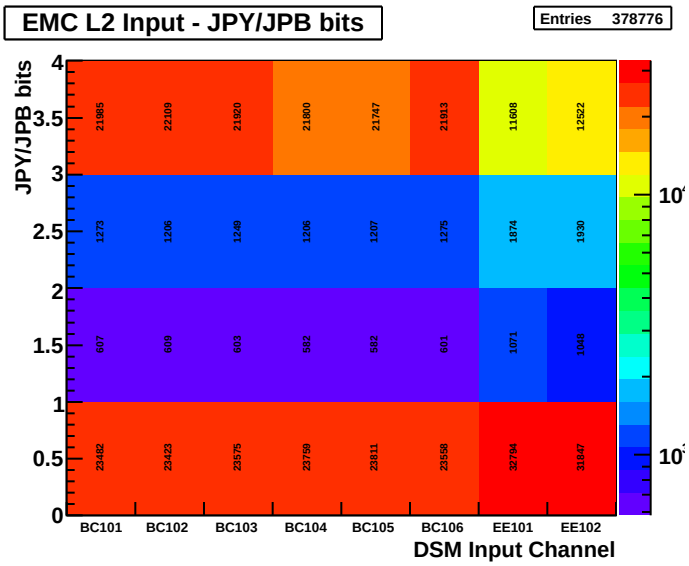

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

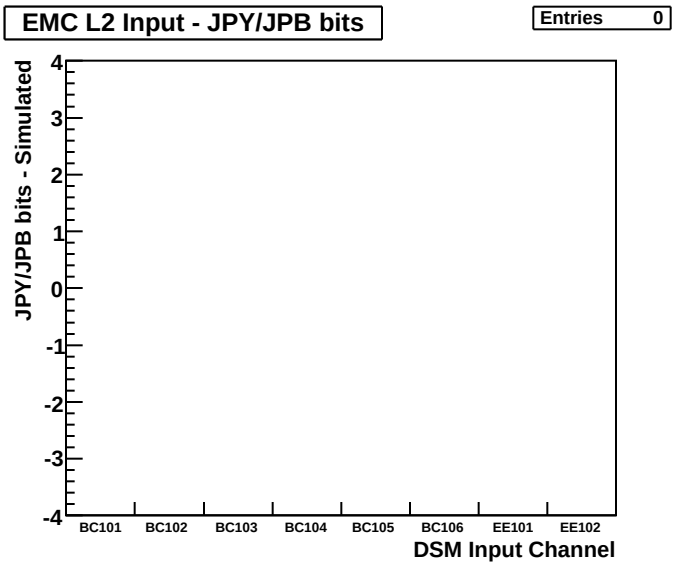

Endcap EMC L1 Input - High Tower Bits
Entries 568164
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

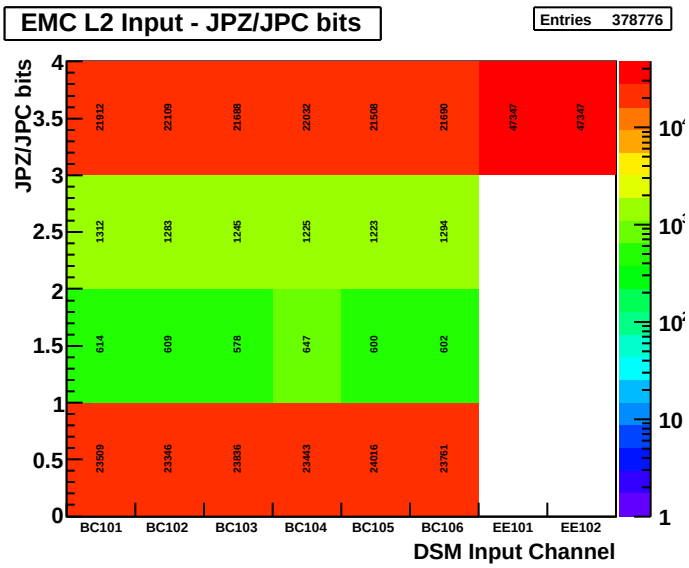

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

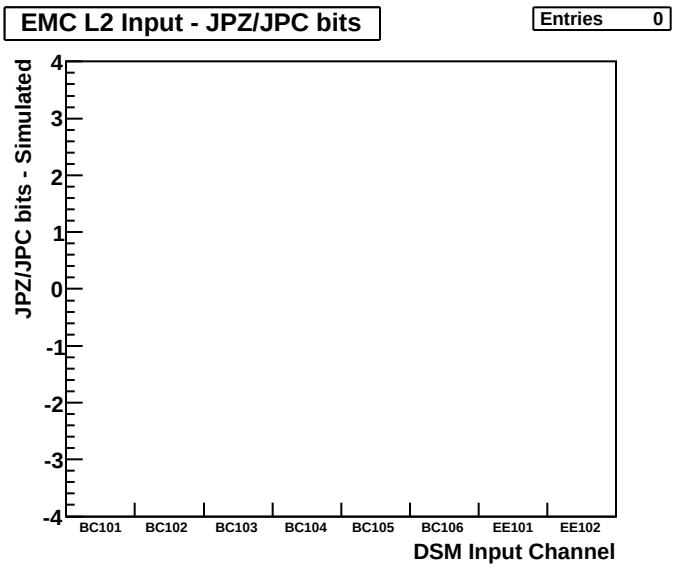

EMC L2 Input - JPX/JPA bits
Entries 378776
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
22125 22359 22008 21971 21883 21896 12265 11420
1274 1224 1268 1203 1182 1264 1919 1807
624 566 573 500 559 645 1022 977
23324 23178 23498 23583 23723 23542 32141 33143

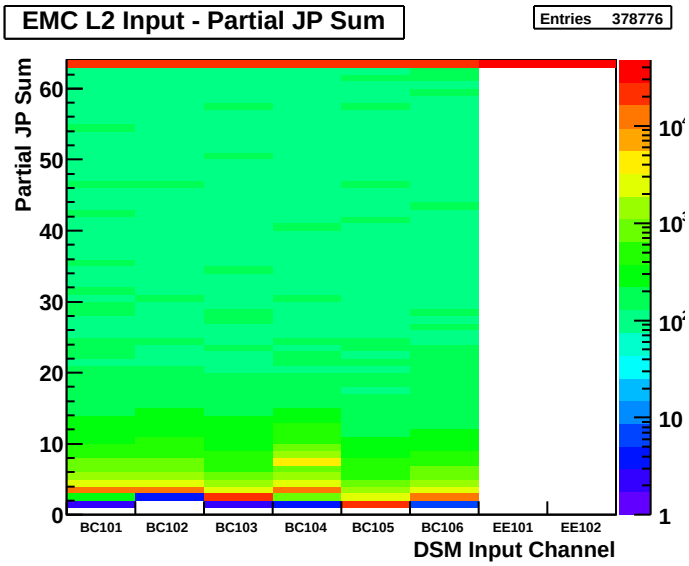

EMC L2 Input - JPX/JPA bits
Entries 599164
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
3859 3713 3762 3634 3612 3833 3793 3737
1845 1804 1754 1819 1741 1848 2093 2025
70315 69947 70909 70785 71550 70861 64935 64990

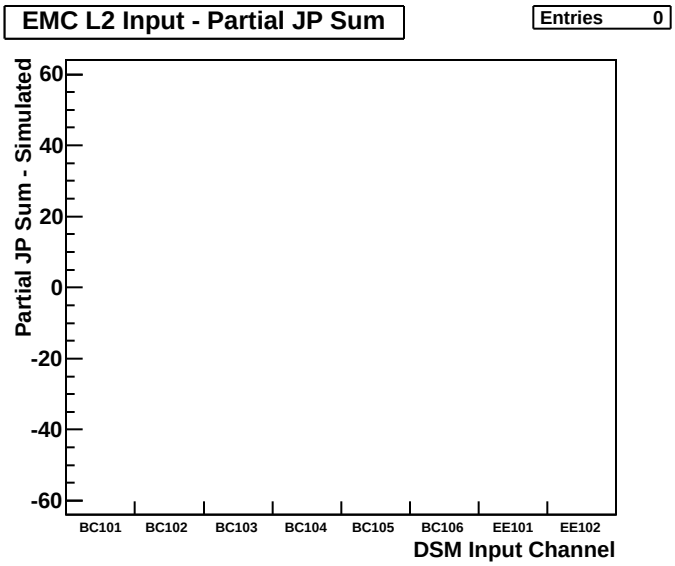

EMC L2 Input - JPY/JPB bits
Entries 378776
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
21985 22109 21920 21800 21747 21913 11608 12522
1273 1206 1240 1206 1207 1275 1874 1930
607 609 603 582 582 601 1071 1048
23482 23423 23575 23759 23811 23598 32794 31847

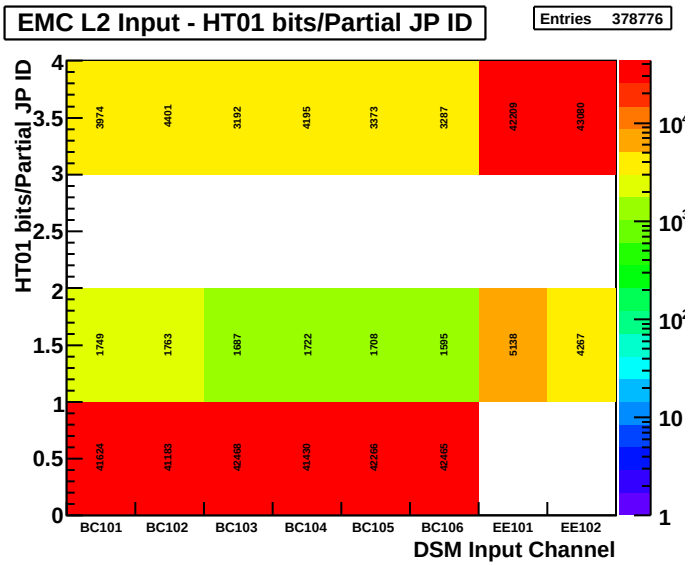

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

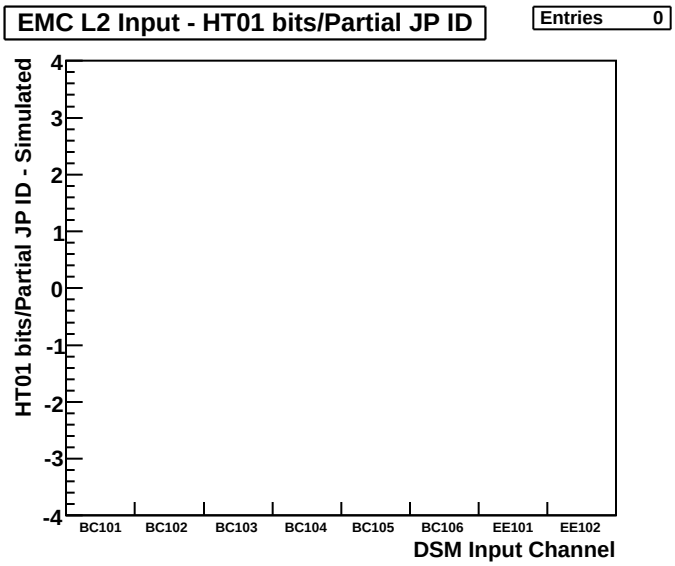

EMC L2 Input - JPZ/JPC bits
Entries 378776
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
21912 22109 21688 22032 21508 21690 47347 47347
1312 1283 1245 1225 1223 1294
614 609 578 647 600 602
23509 23346 23826 23443 24016 23761

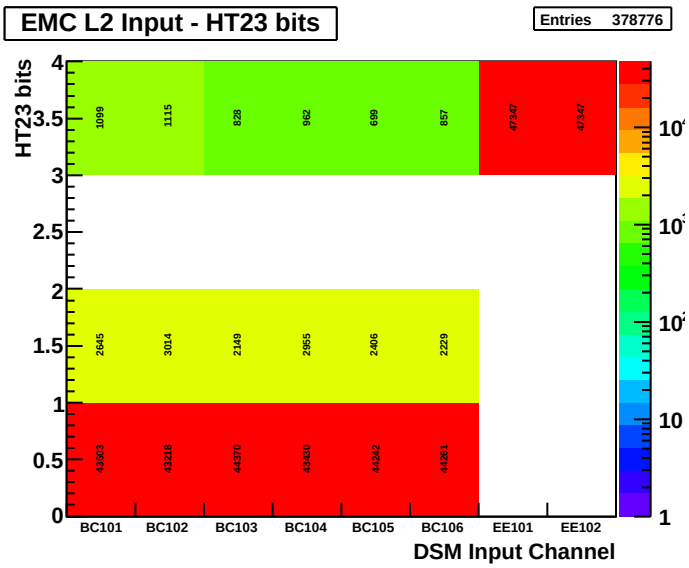

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

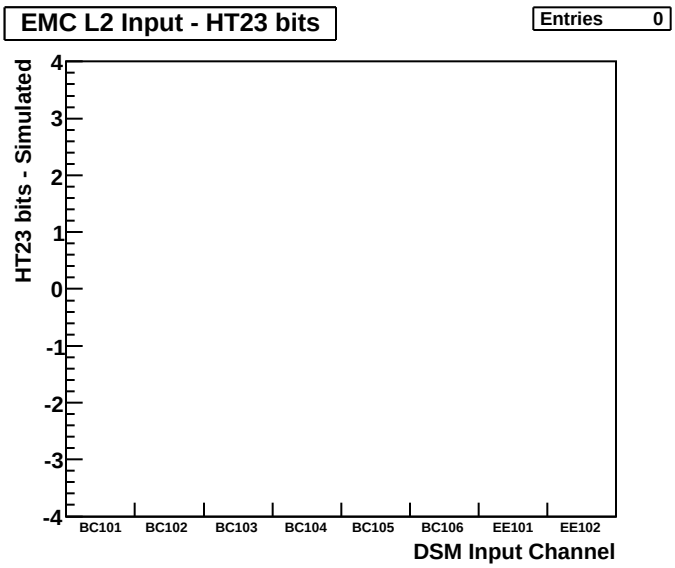

EMC L2 Input - Partial JP Sum
Entries 378776
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

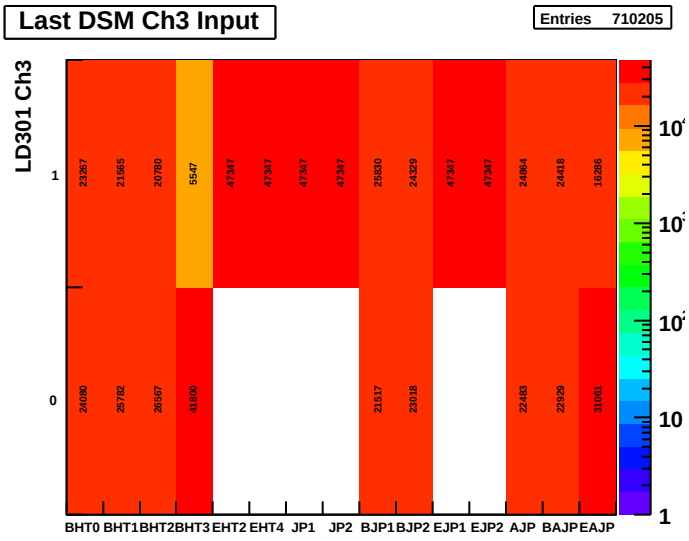

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

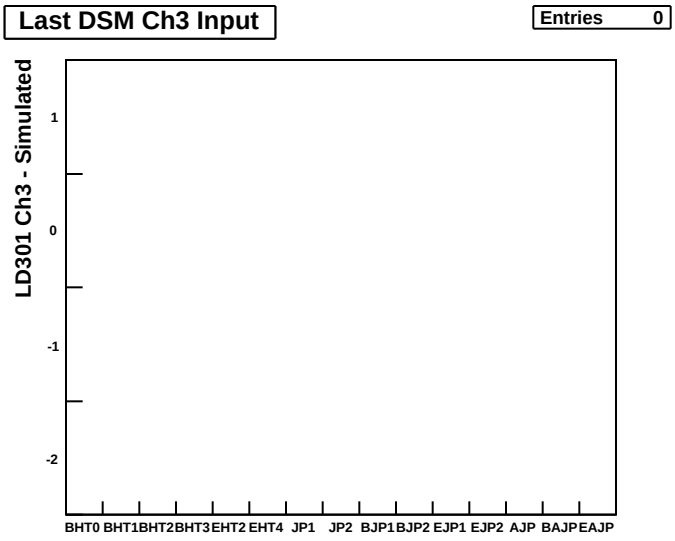

EMC L2 Input - HT01 bits/Partial JP ID
Entries 378776
HT01 bits/Partial JP ID
3974 4401 3192 4195 3373 3287 42209 43080
1749 1763 1687 1722 1708 1595 5138 4267
41624 41183 42468 41430 42266 42465
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

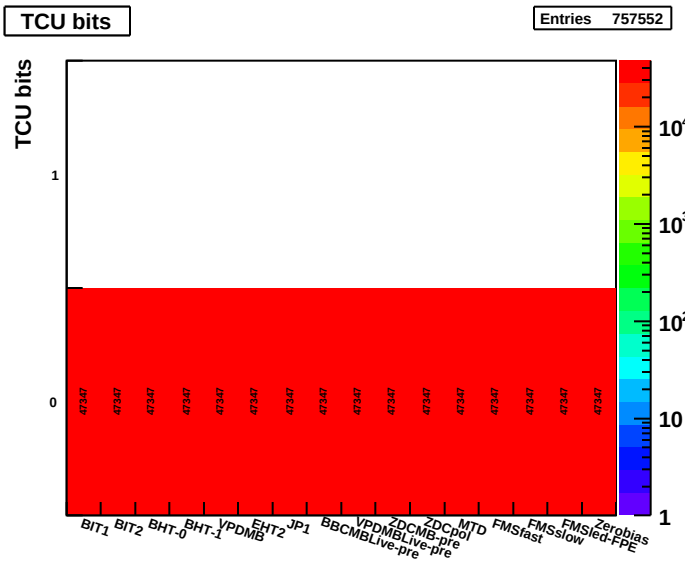

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

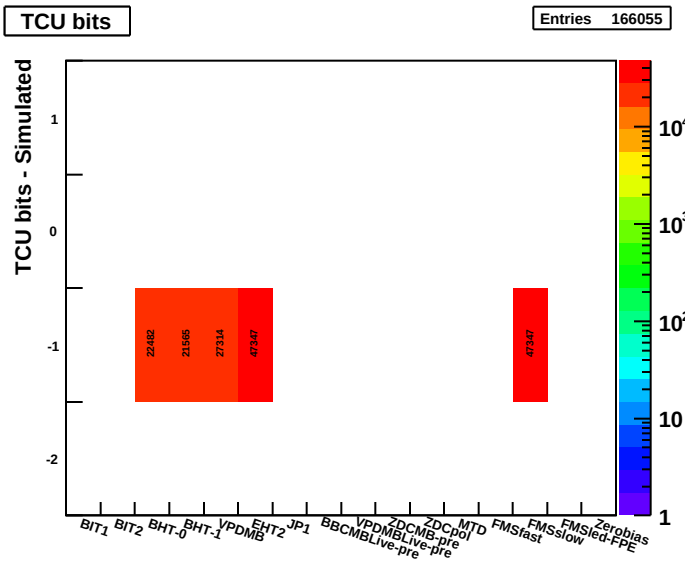

EMC L2 Input - HT23 bits
Entries 378776
HT23 bits
1099 1115 828 962 699 857 47347 47347
2645 3014 2149 2955 2406 2229
43603 43218 44370 43430 44242 44351
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

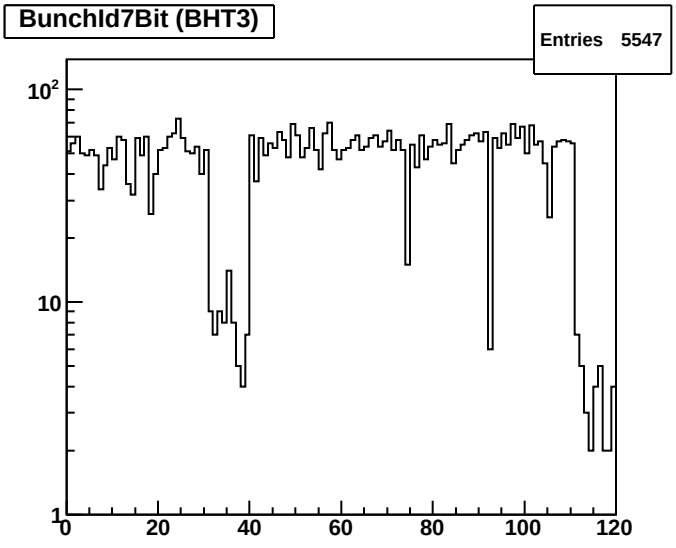

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

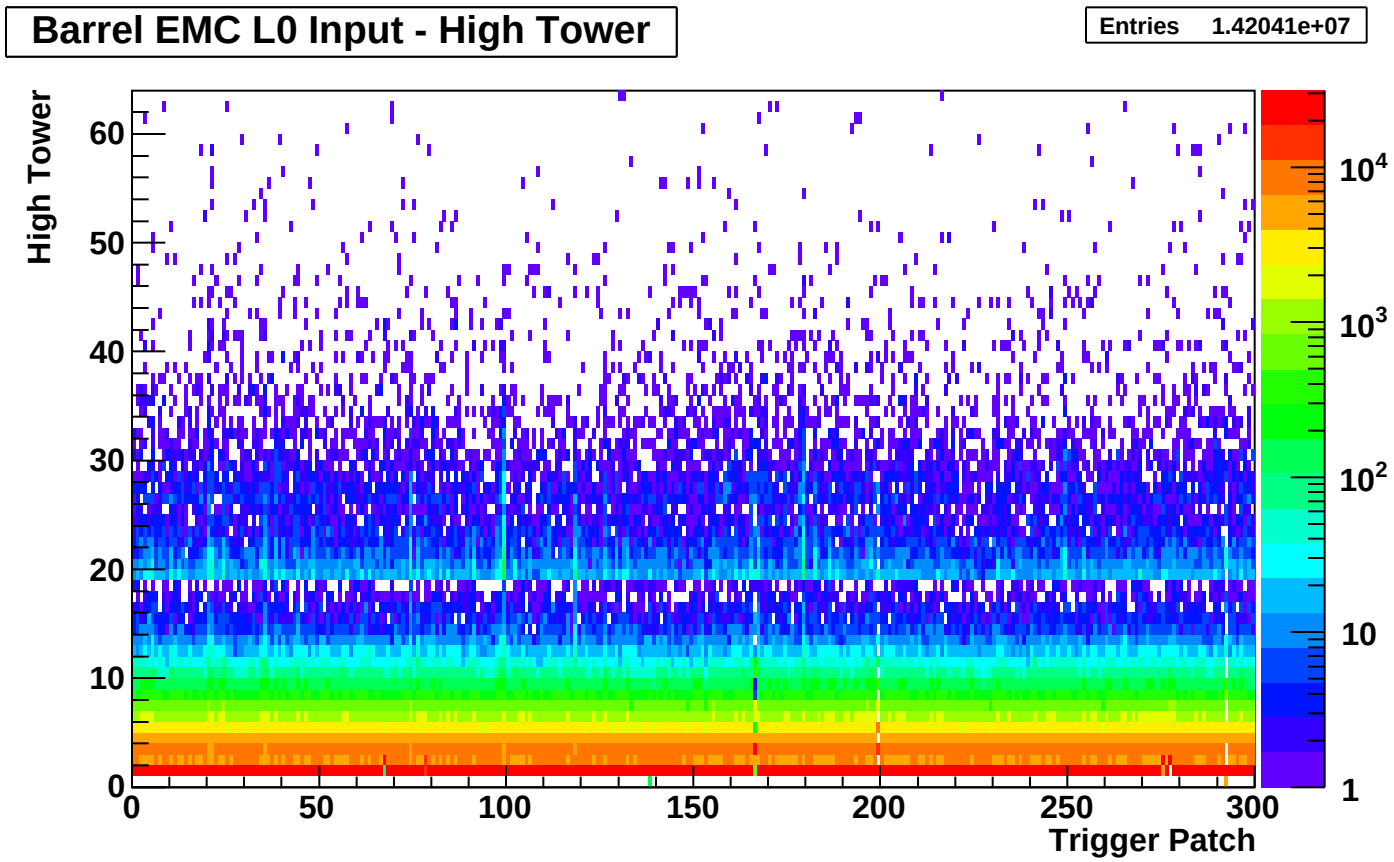

Last DSM Ch3 Input
Entries 710205
LD301 Ch3
1
0
23367 21565 20780 5547 47347 47347 47347 47347 25830 24329 47347 47347 24864 24418 16286
24080 25782 26567 41800 21517 23018 22483 22929 31061
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP
1

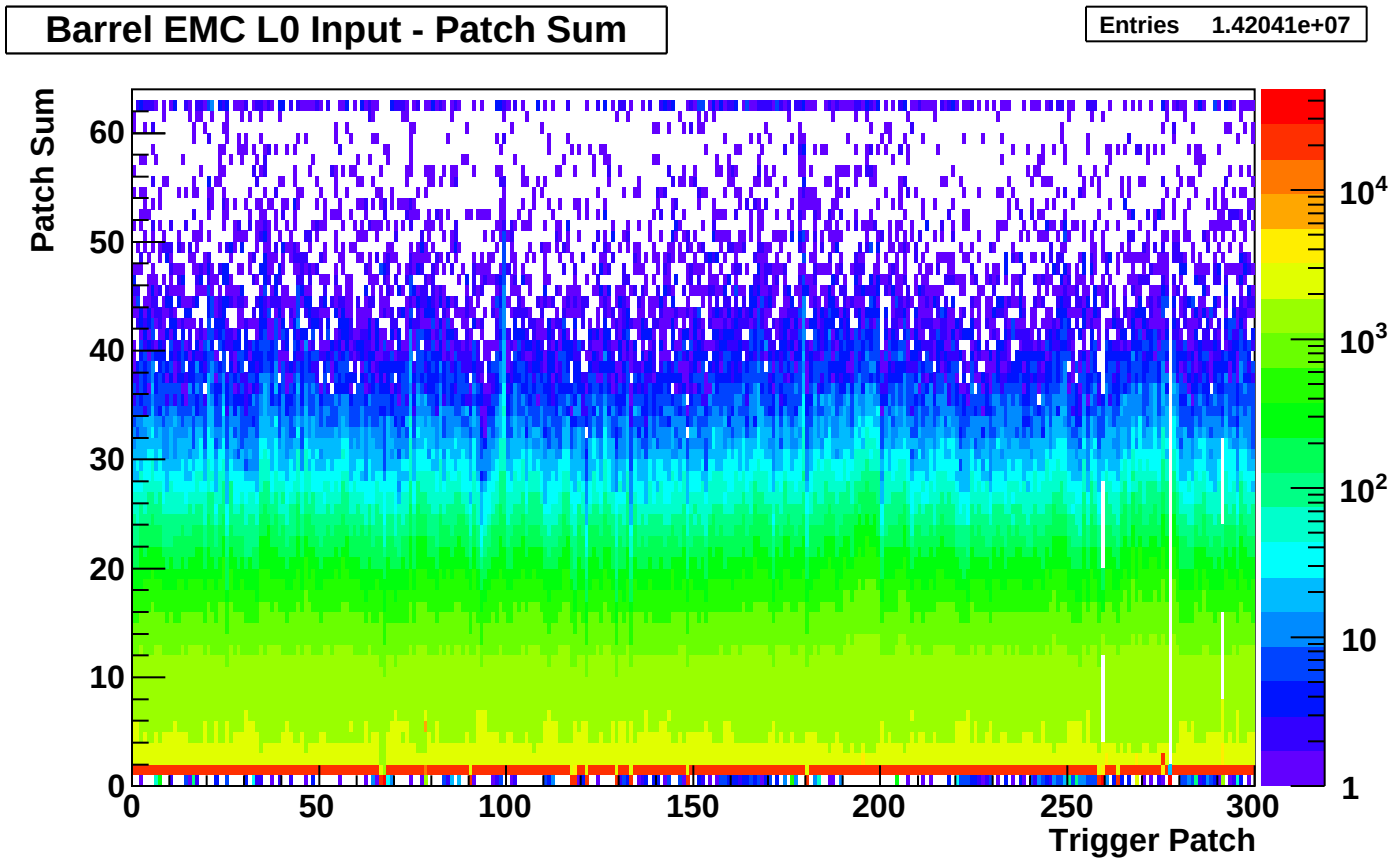

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
1
0
-1
-2
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

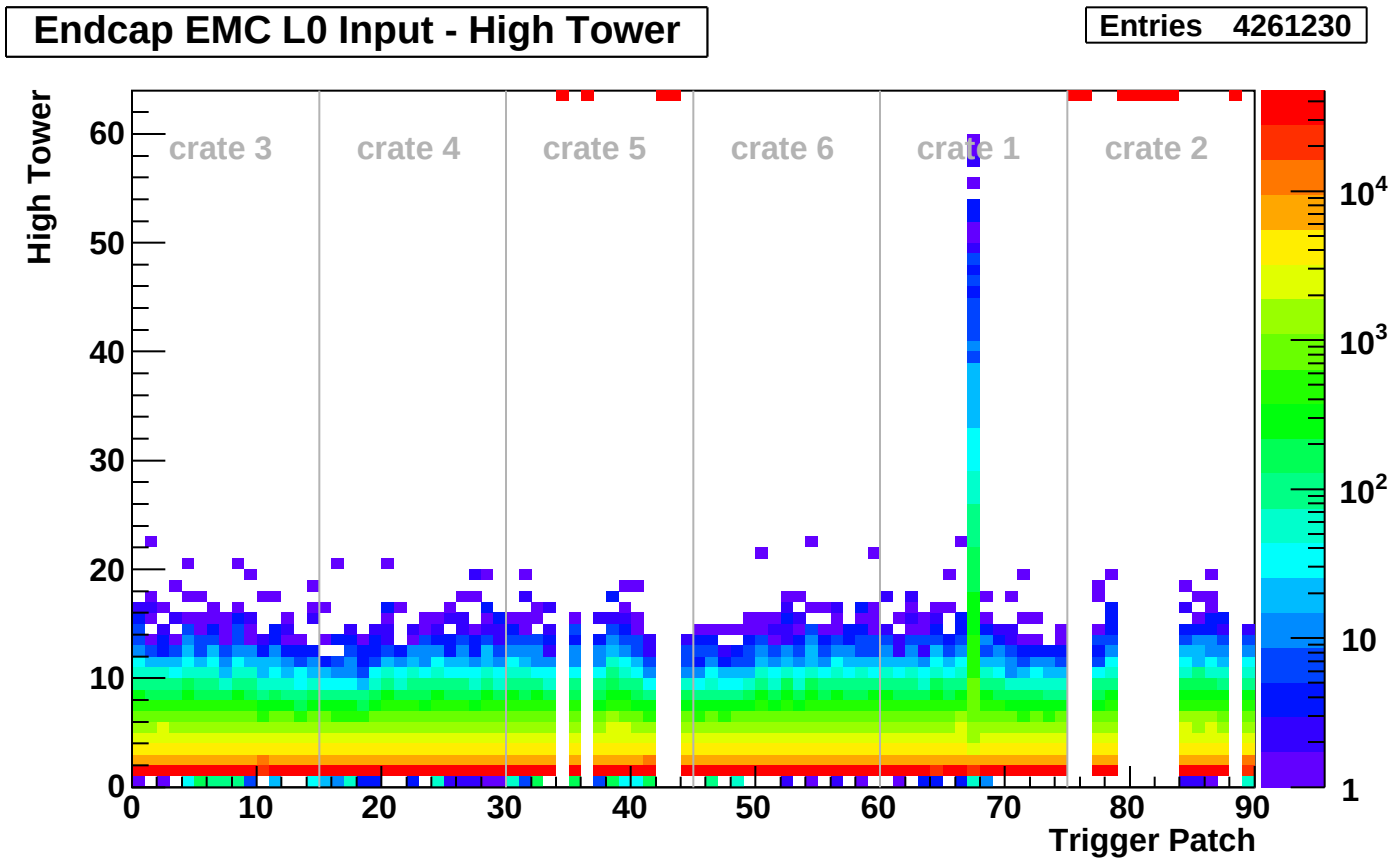

TCU bits
Entries 757552
TCU bits
1
0
47347 47347 47347 47347 47347 47347 47347 47347 47347 47347 47347 47347 47347 47347 47347 47347
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
1

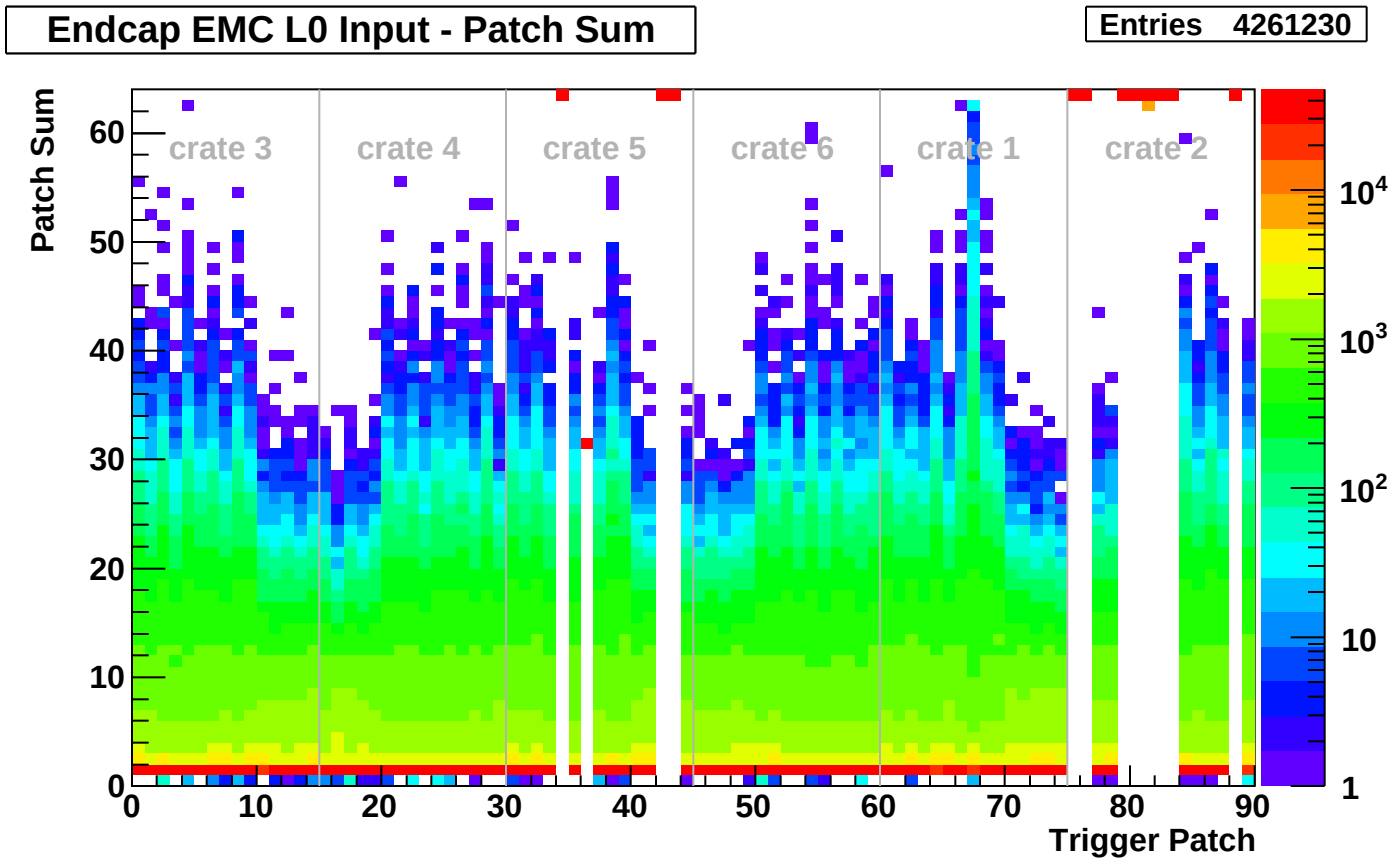

TCU bits
Entries 166055
TCU bits - Simulated
1
0
-1
-2
22482 21565 27314 47347 47347
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
1

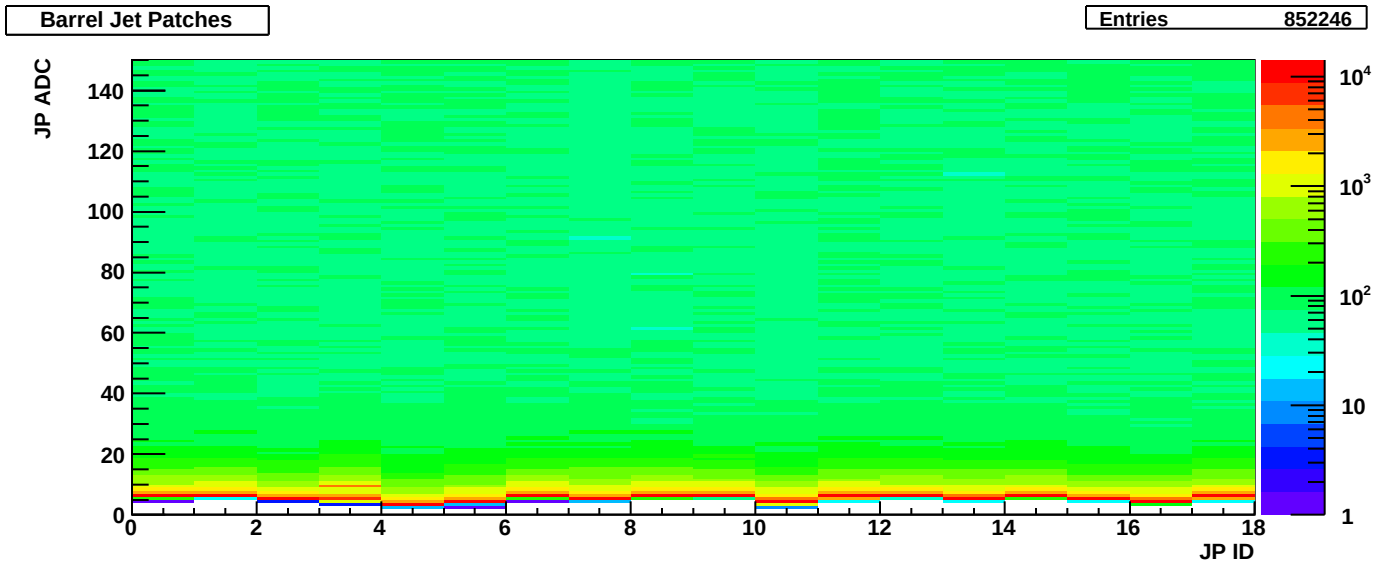

BunchId7Bit (BHT3)
Entries 5547
10²
10
1
0 20 40 60 80 100 120

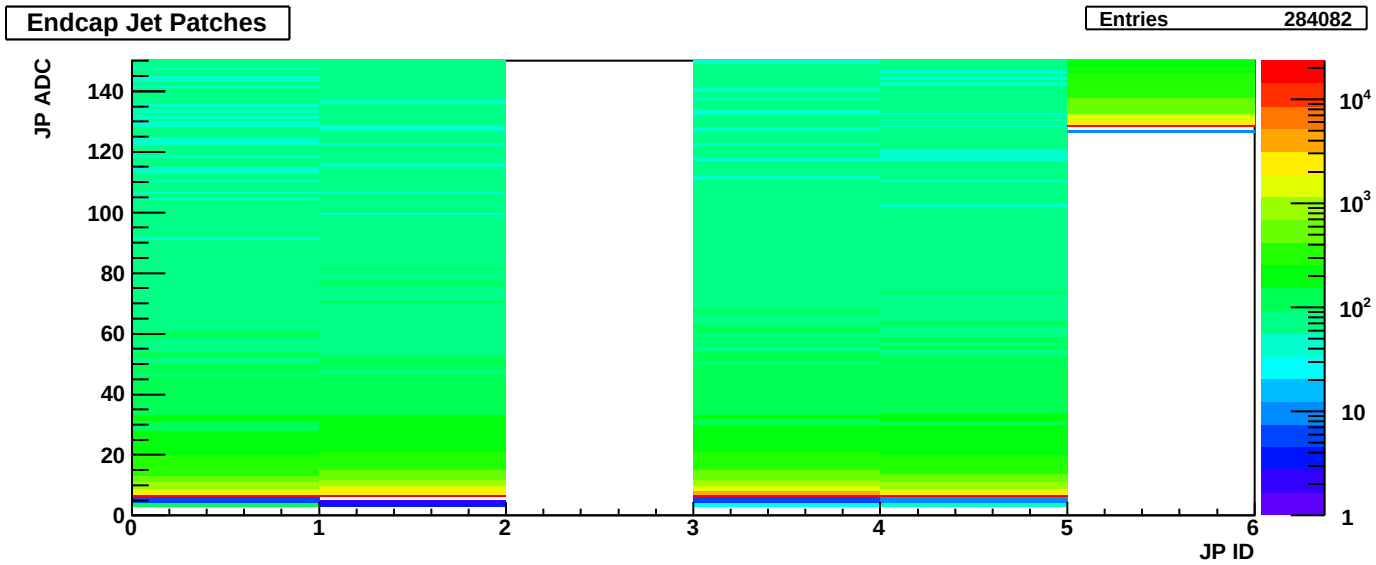

Barrel EMC L0 Input - High Tower
Entries 1.42041e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

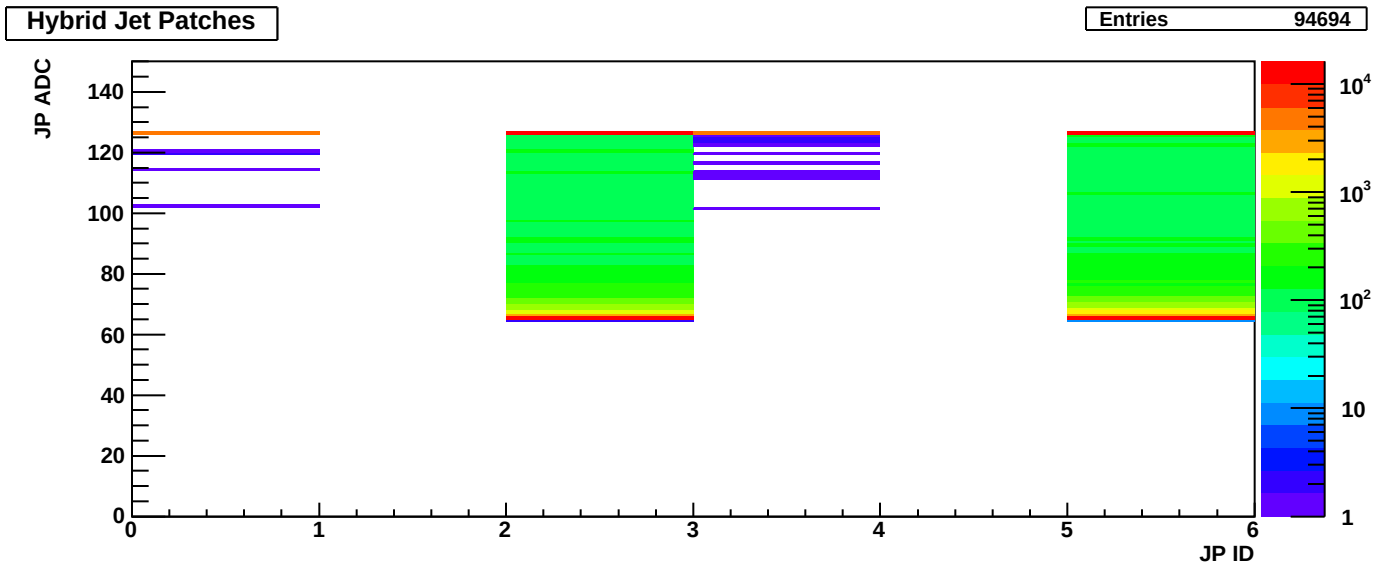

Barrel EMC L0 Input - Patch Sum
Entries 1.42041e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

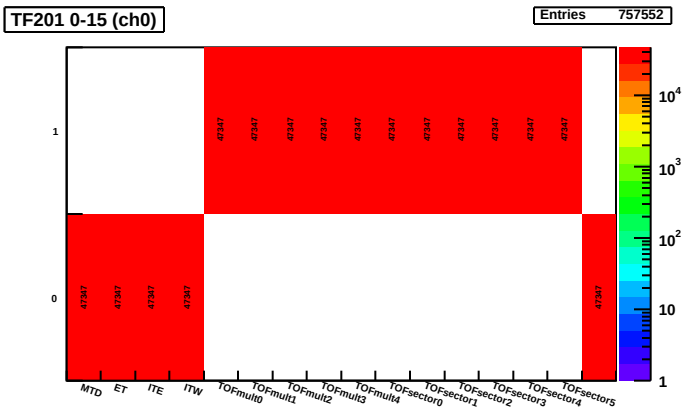

Endcap EMC L0 Input - High Tower
Entries 4261230
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

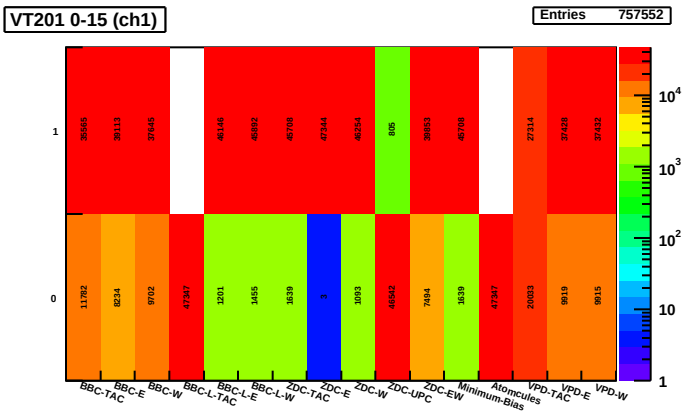

Endcap EMC L0 Input - Patch Sum
Entries 4261230
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

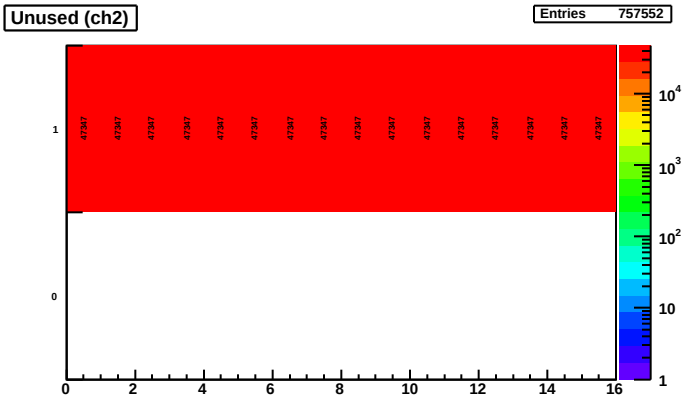

Barrel Jet Patches
Entries 852246
JP ADC
JP ID

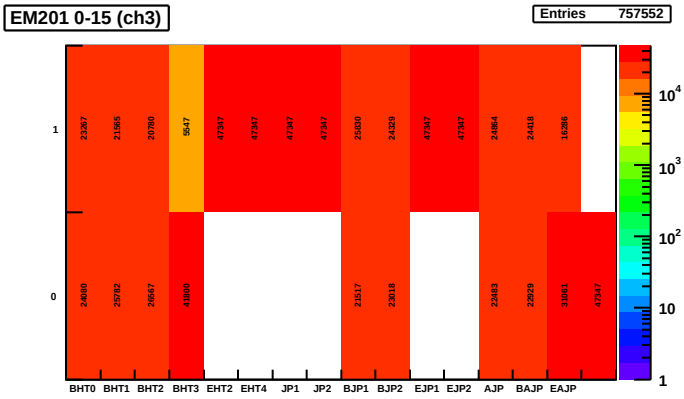

Endcap Jet Patches
Entries 284082
JP ADC
JP ID

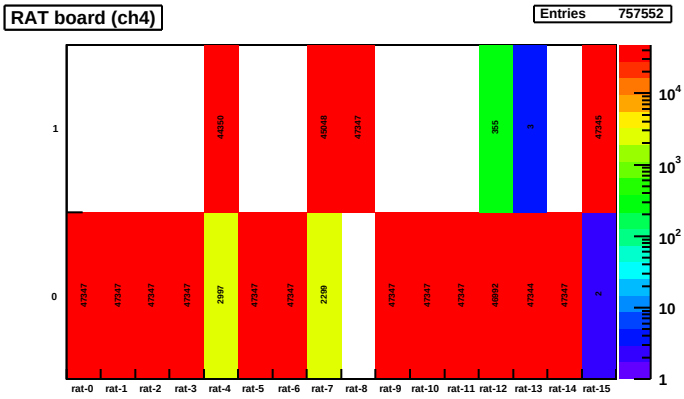

Hybrid Jet Patches
Entries 94694
JP ADC
JP ID

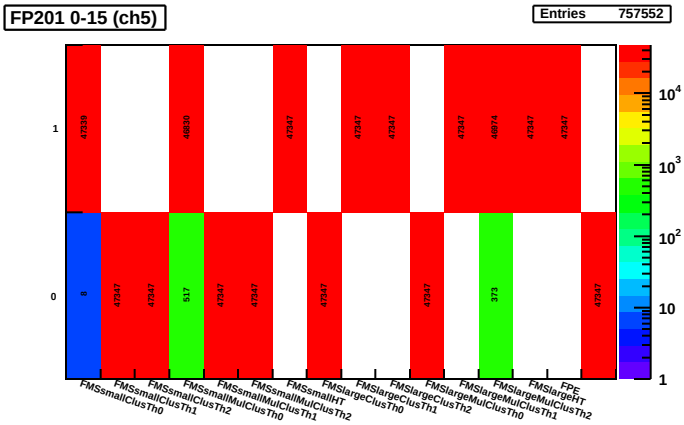

TF201 0-15 (ch0)
Entries 757552
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

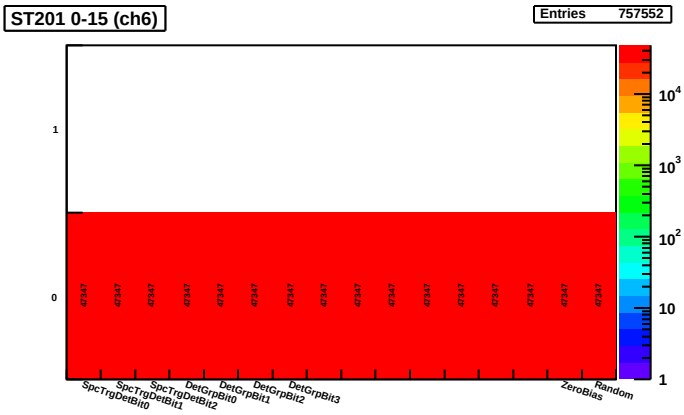

VT201 0-15 (ch1)
Entries 757552
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

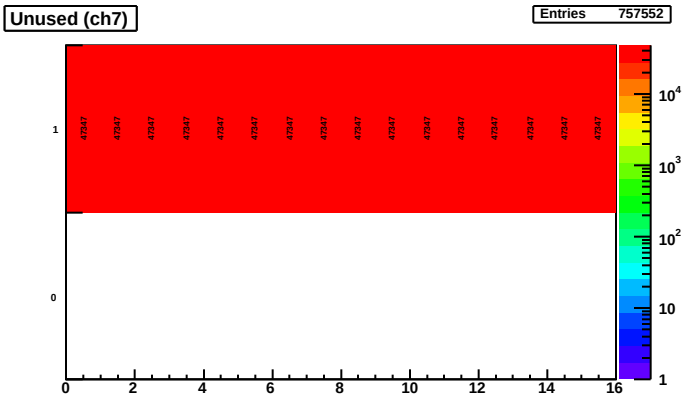

Unused (ch2)
Entries 757552

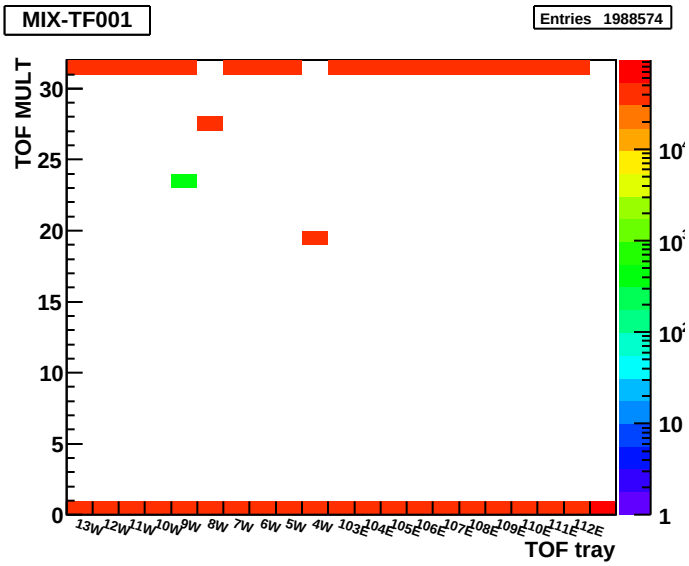

EM201 0-15 (ch3)
Entries 757552
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

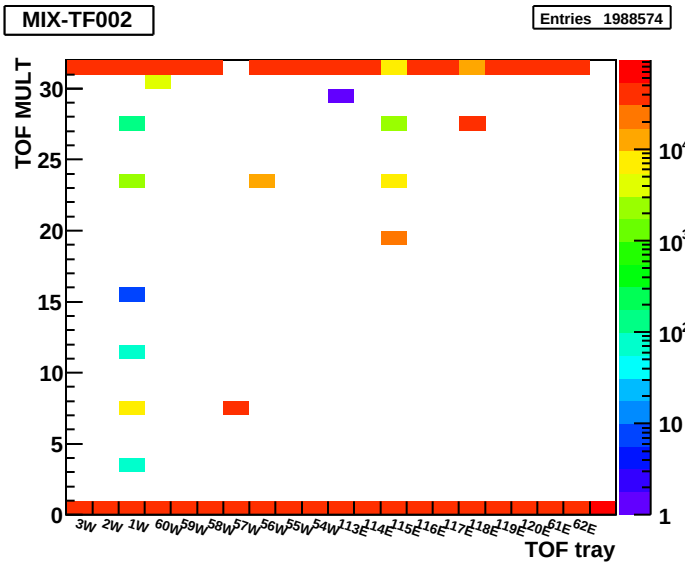

RAT board (ch4)
Entries 757552
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

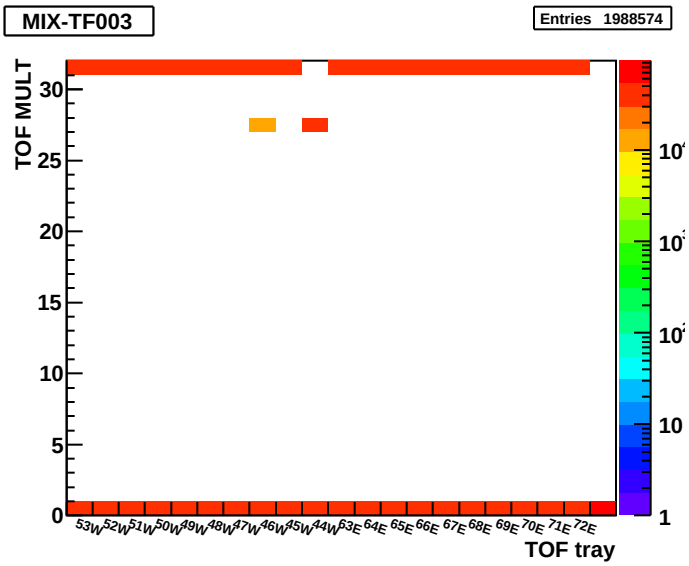

FP201 0-15 (ch5)
Entries 757552
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

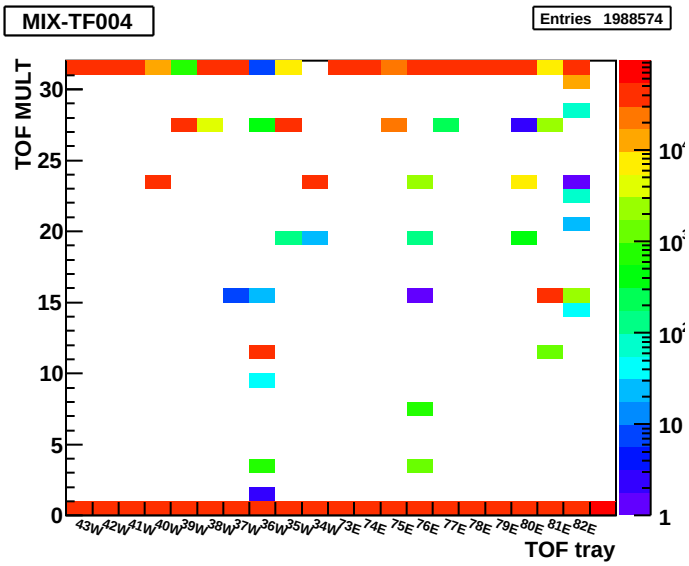

ST201 0-15 (ch6)
Entries 757552
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random

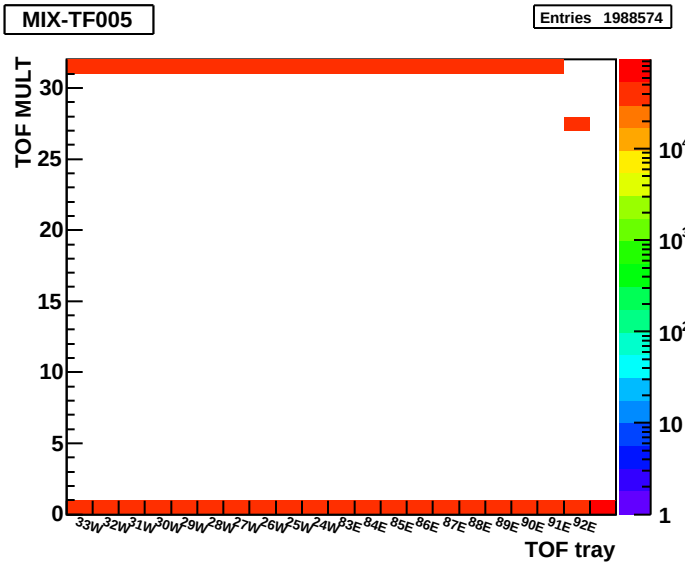

Unused (ch7)
Entries 757552

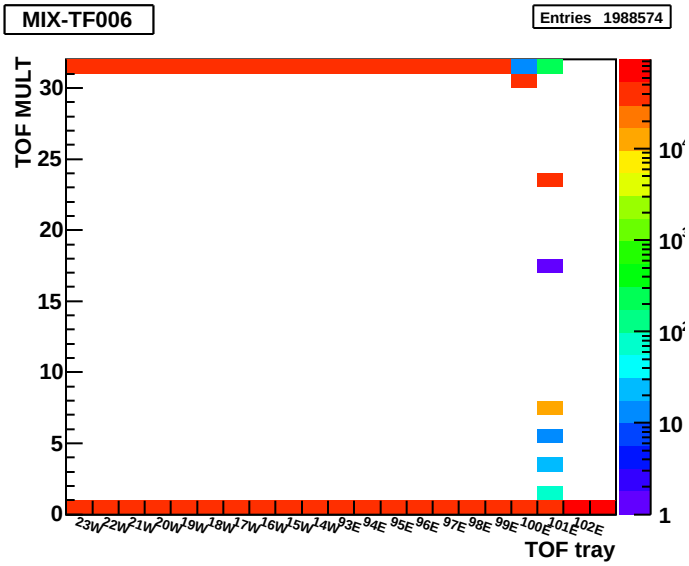

MIX-TF001
Entries 1988574
TOF MULT
TOF tray

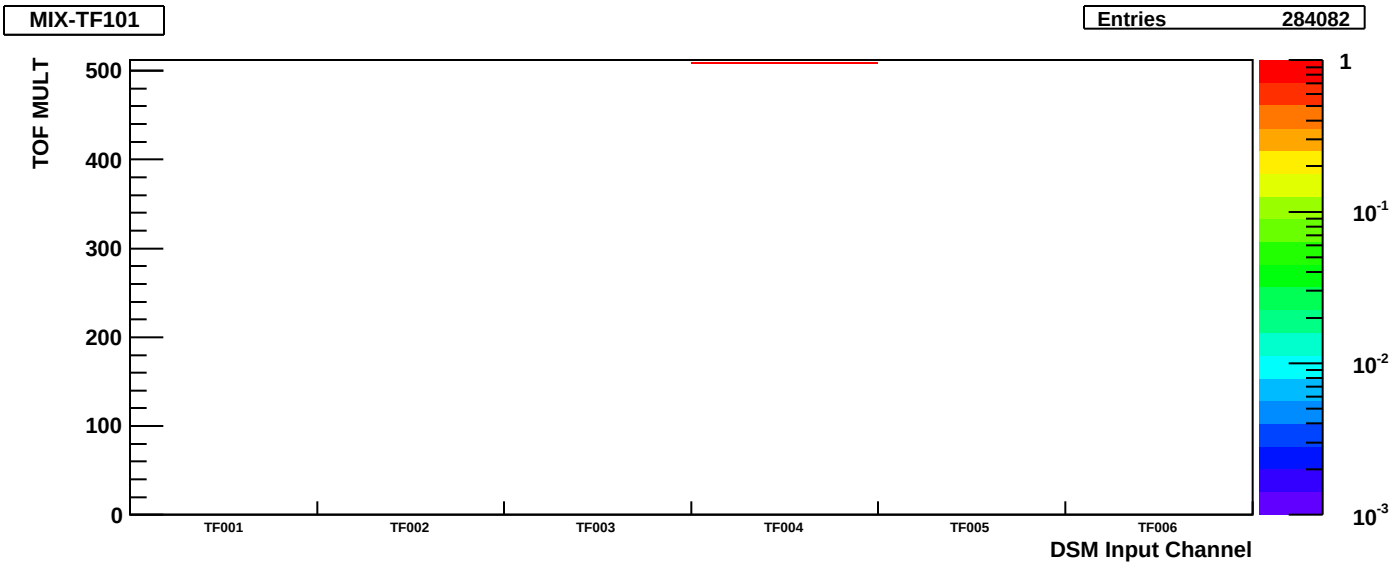

MIX-TF002
Entries 1988574
TOF MULT
TOF tray

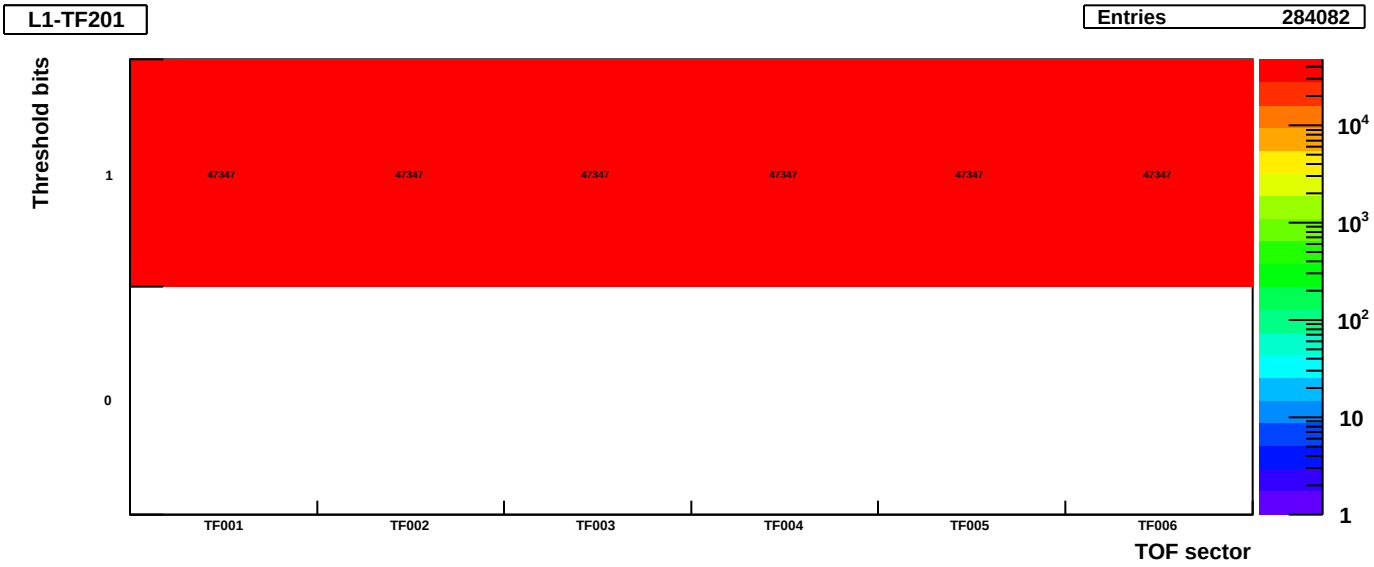

MIX-TF003
Entries 1988574
TOF MULT
TOF tray

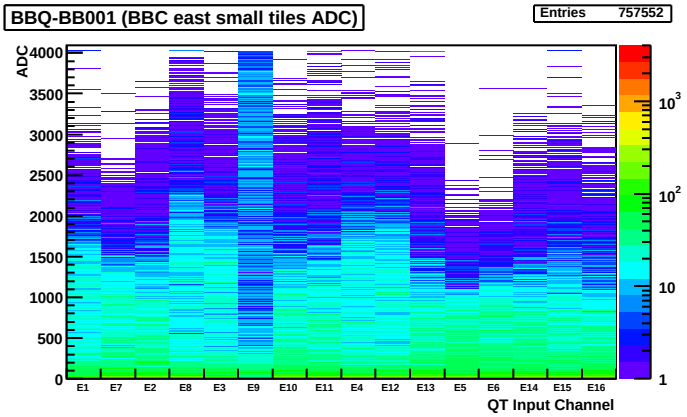

MIX-TF004
Entries 1988574
TOF MULT
TOF tray

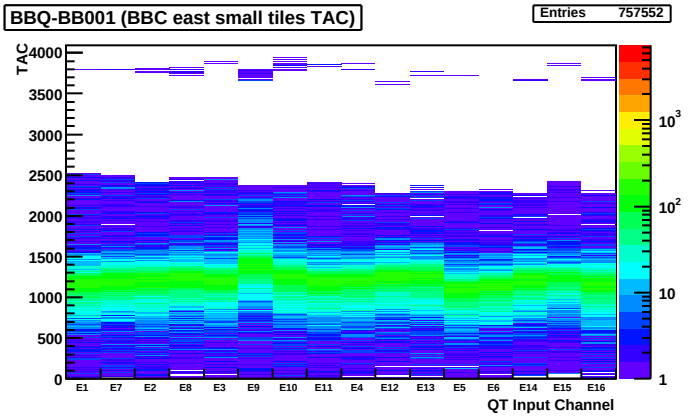

MIX-TF005
Entries 1988574
TOF MULT
TOF tray

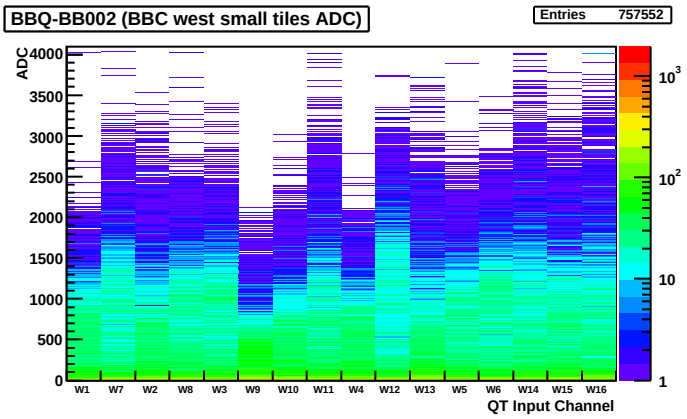

MIX-TF006
Entries 1988574
TOF MULT
TOF tray

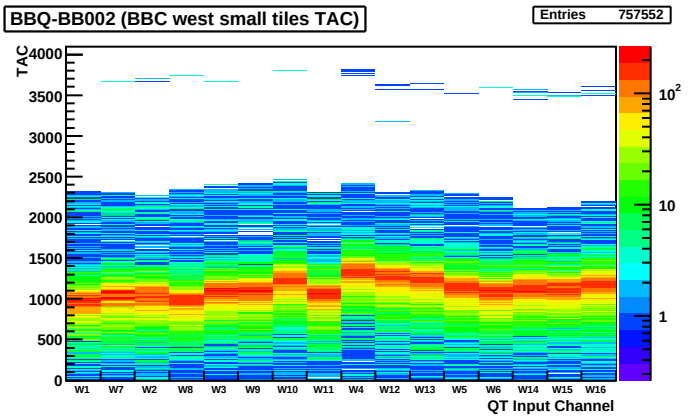

MIX-TF101
Entries 284082
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
1
10^{-1}
10^{-2}
10^{-3}

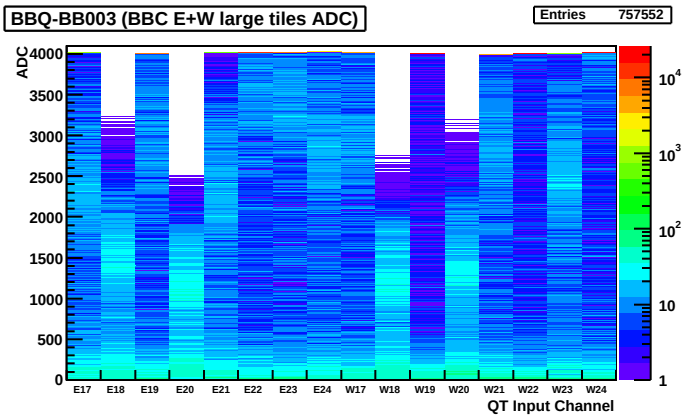

L1-TF201
Entries 284082
Threshold bits
1
0
47347
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4
10^3
10^2
10
1

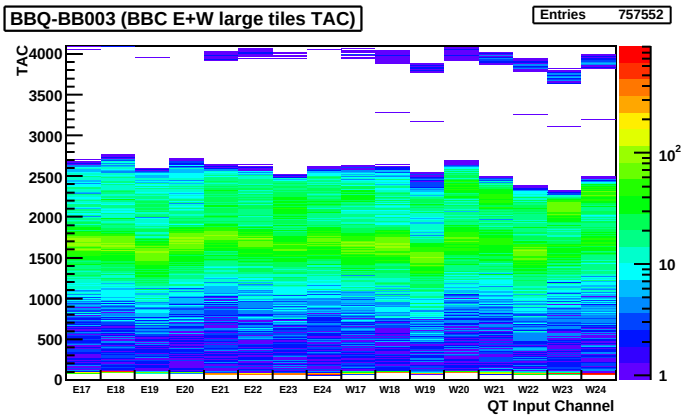

BBQ-BB001 (BBC east small tiles ADC)
Entries 757552
ADC
QT Input Channel

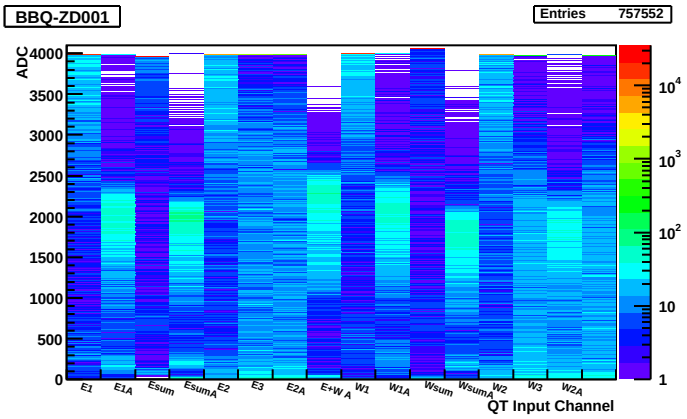

BBQ-BB001 (BBC east small tiles TAC)
Entries 757552
TAC
QT Input Channel

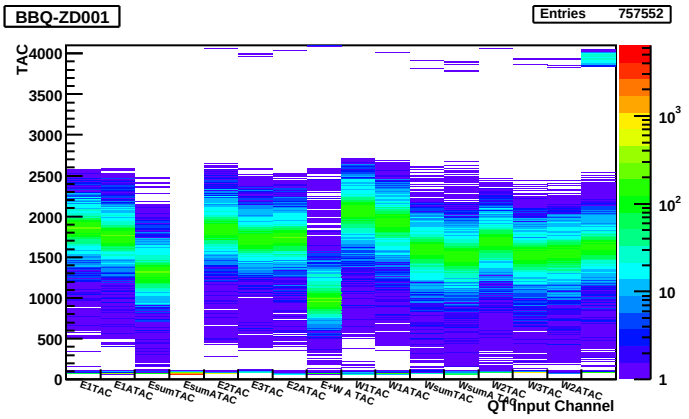

BBQ-BB002 (BBC west small tiles ADC)
Entries 757552
ADC
QT Input Channel

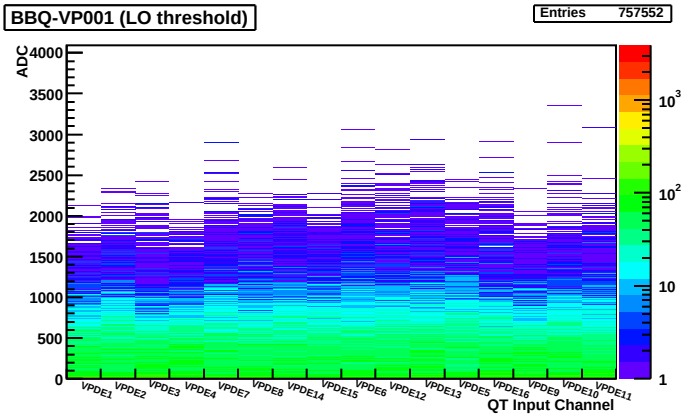

BBQ-BB002 (BBC west small tiles TAC)
Entries 757552
TAC
QT Input Channel

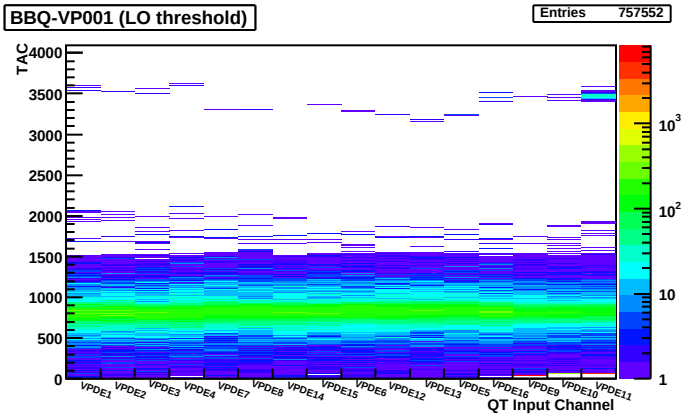

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 757552
ADC
QT Input Channel

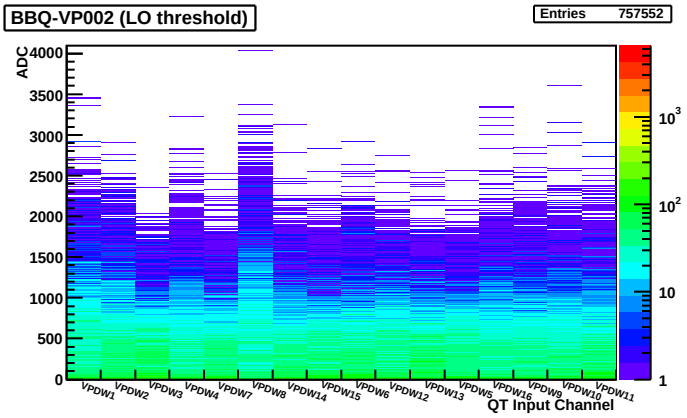

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 757552
TAC
QT Input Channel

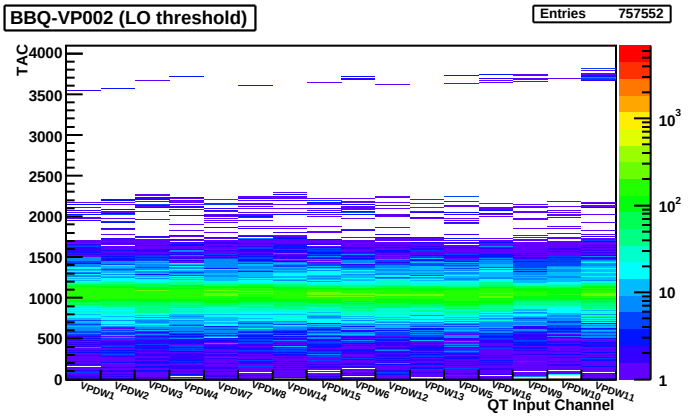

BBQ-ZD001
Entries 757552
ADC
QT Input Channel

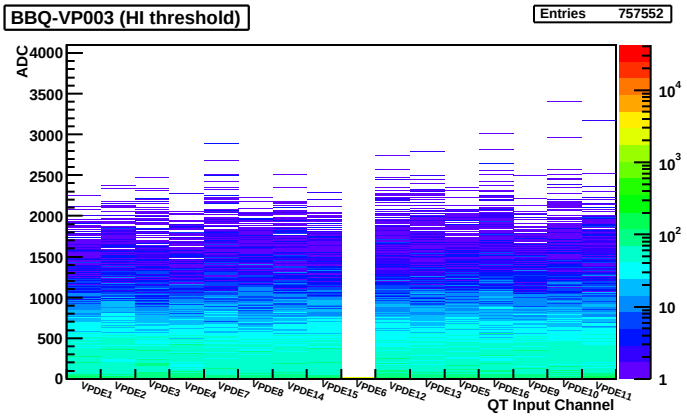

BBQ-ZD001
Entries 757552
TAC
QT Input Channel

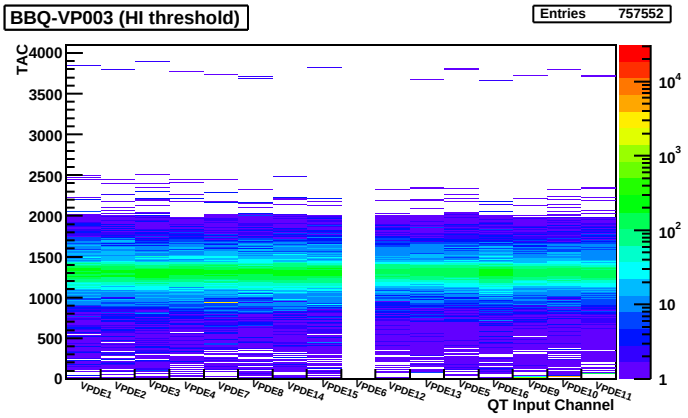

BBQ-VP001 (LO threshold)
Entries 757552
ADC
QT Input Channel

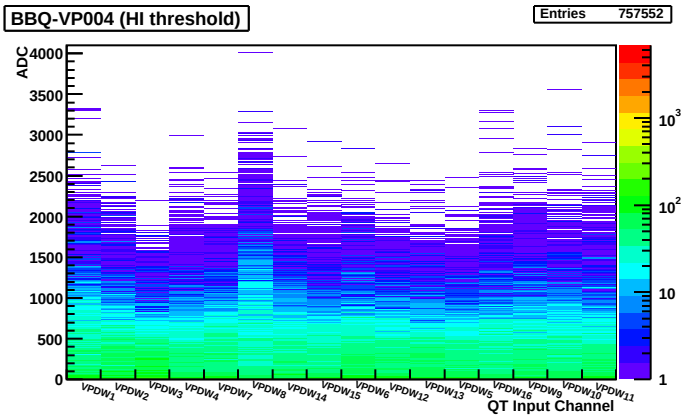

BBQ-VP001 (LO threshold)
Entries 757552
TAC
QT Input Channel

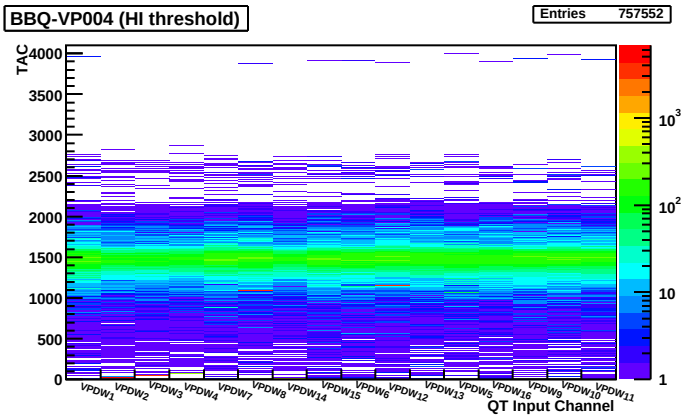

BBQ-VP002 (LO threshold)
Entries 757552
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 757552
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 757552
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 757552
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 757552
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 757552
TAC
QT Input Channel