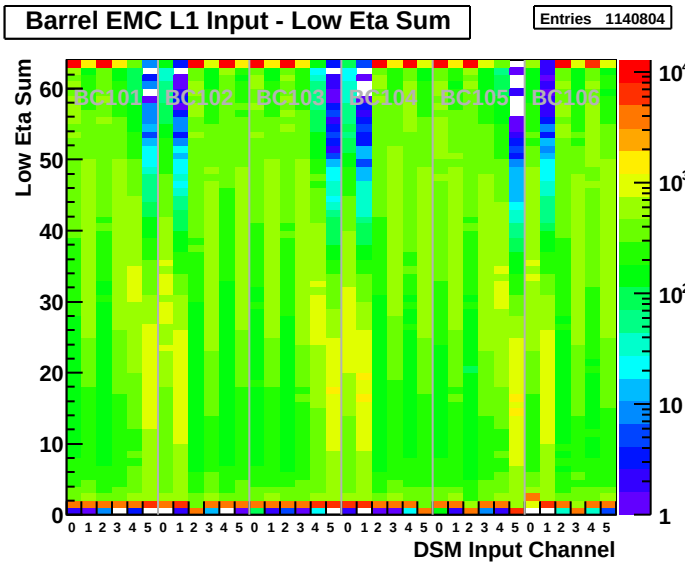
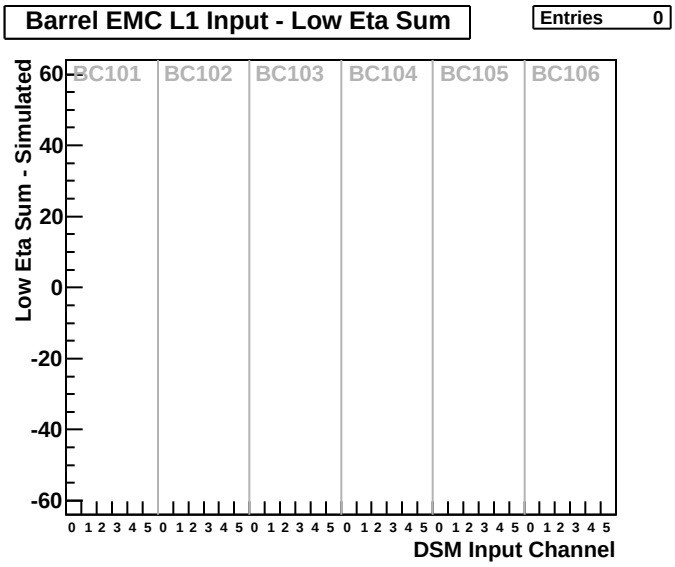
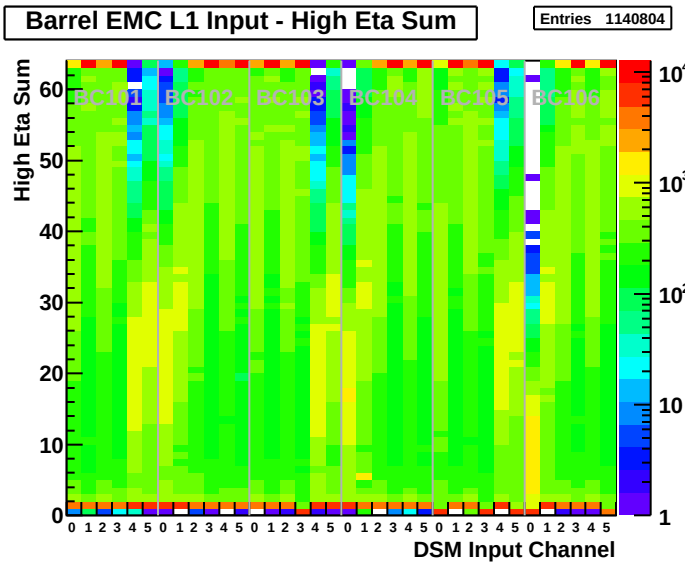
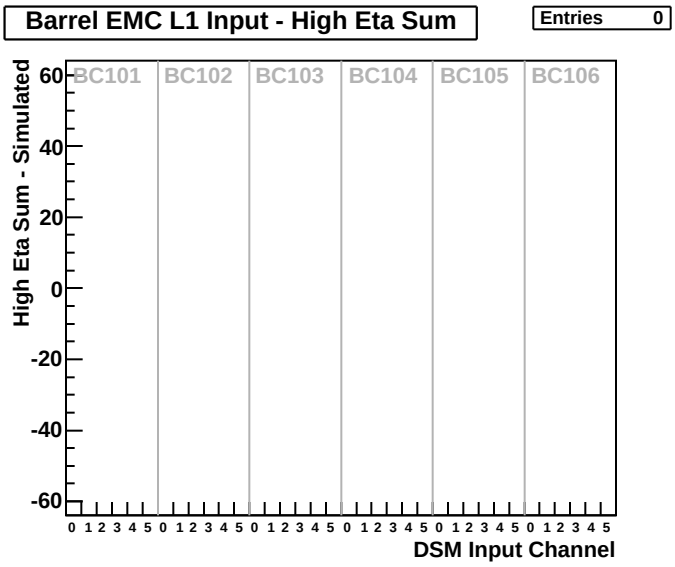
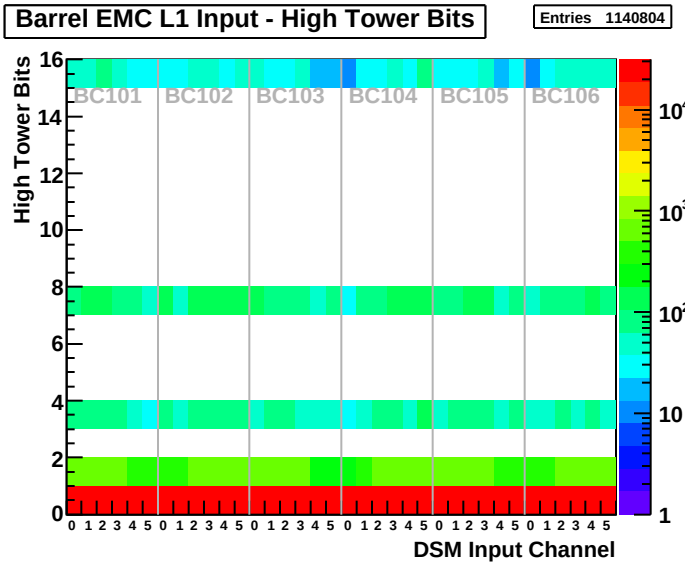
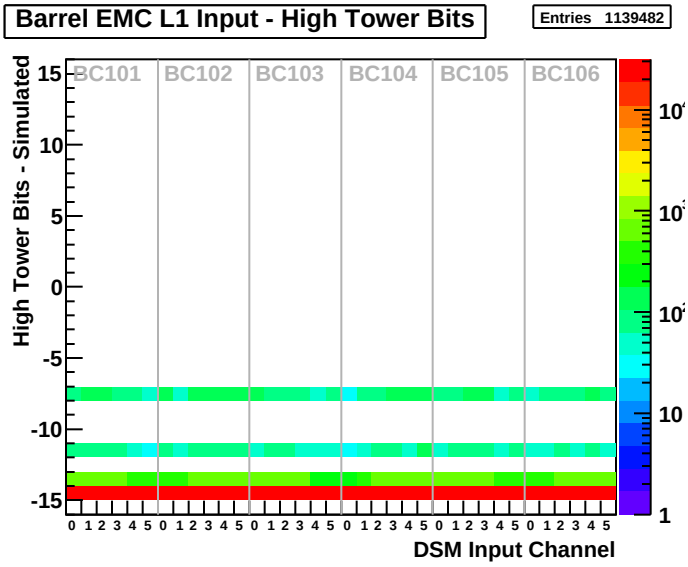

Barrel EMC L1 Input - Low Eta Sum
Entries 1140804
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

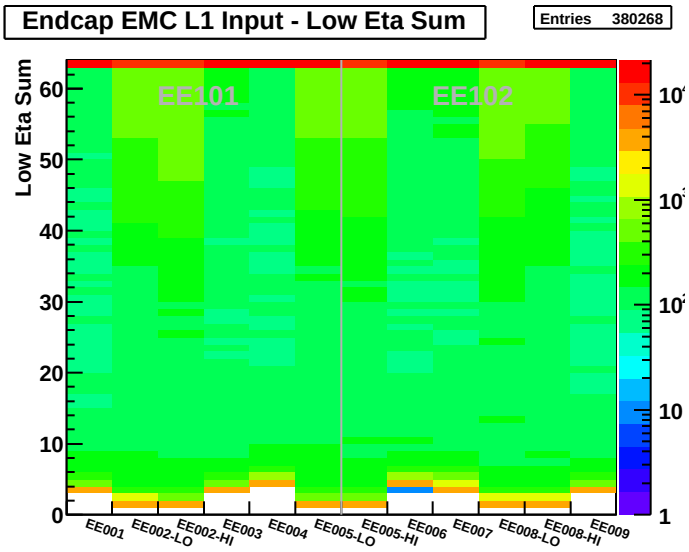

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

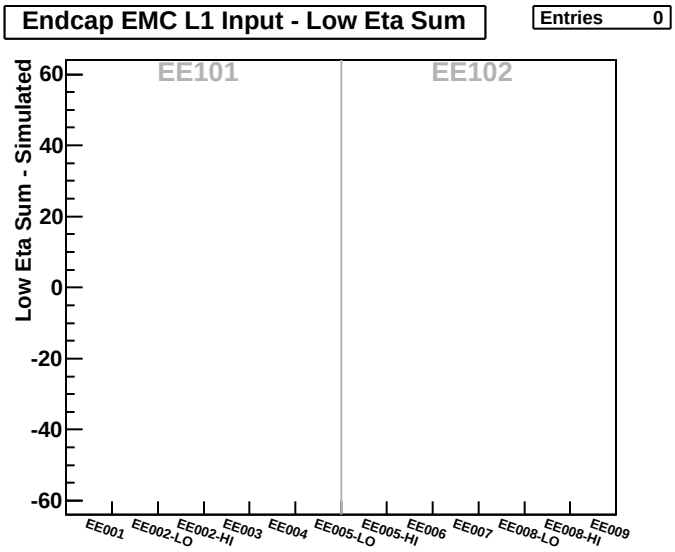

Barrel EMC L1 Input - High Eta Sum
Entries 1140804
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

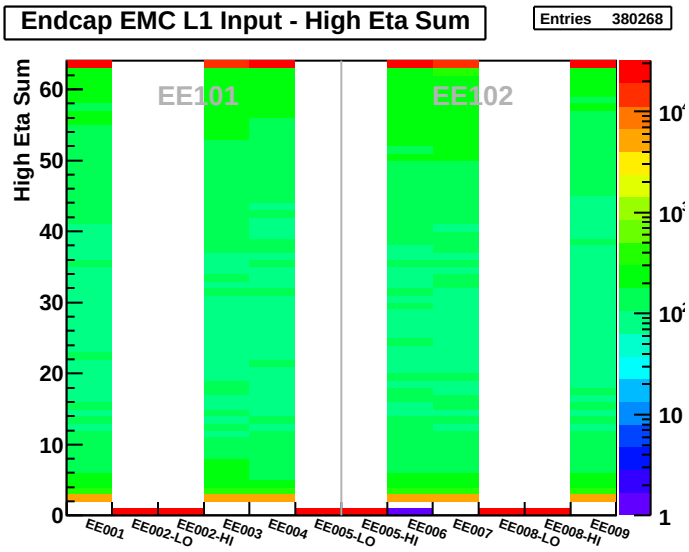

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

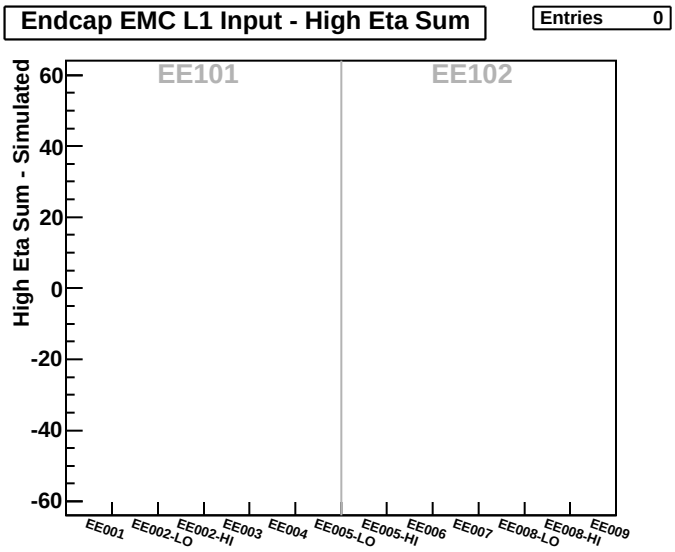

Barrel EMC L1 Input - High Tower Bits
Entries 1140804
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

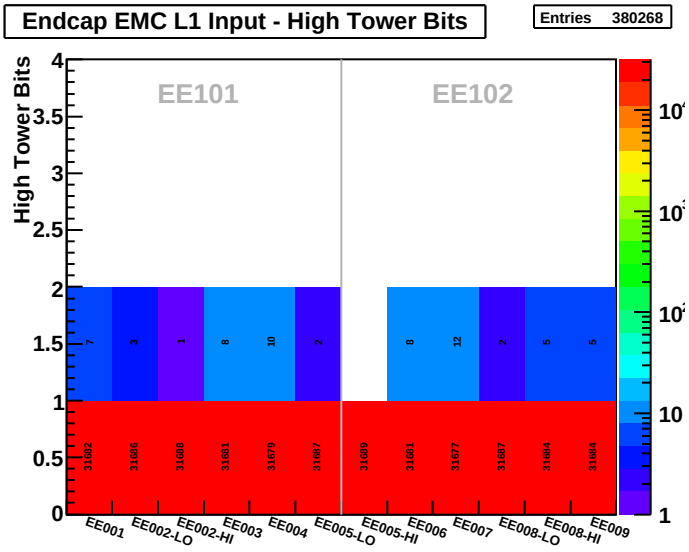

Barrel EMC L1 Input - High Tower Bits
Entries 1139482
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

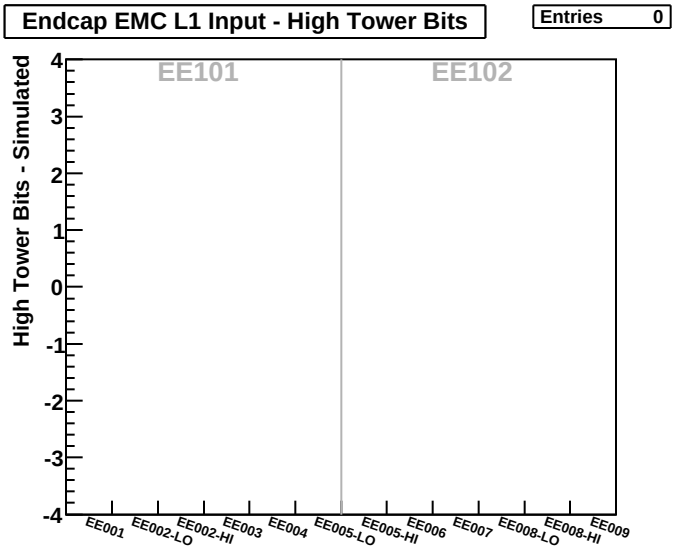

Endcap EMC L1 Input - Low Eta Sum
Entries 380268
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

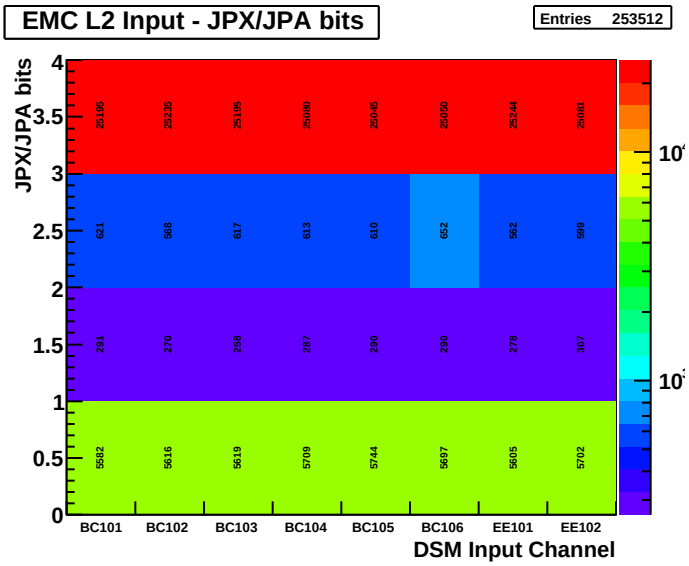

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

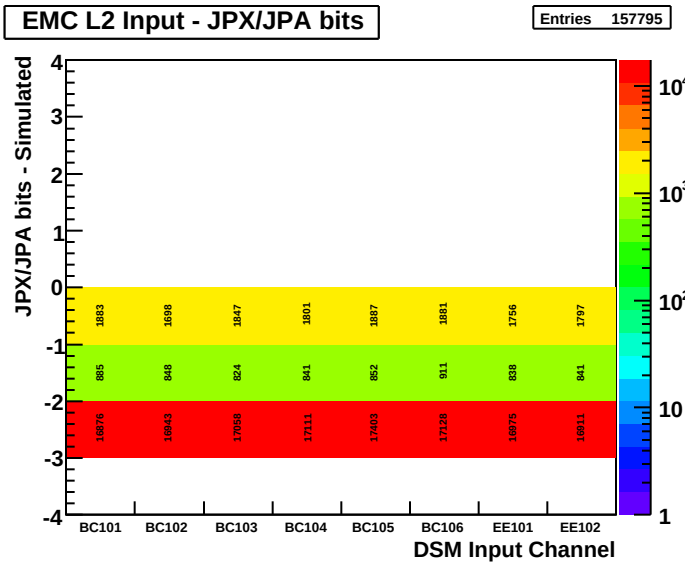

Endcap EMC L1 Input - High Eta Sum
Entries 380268
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

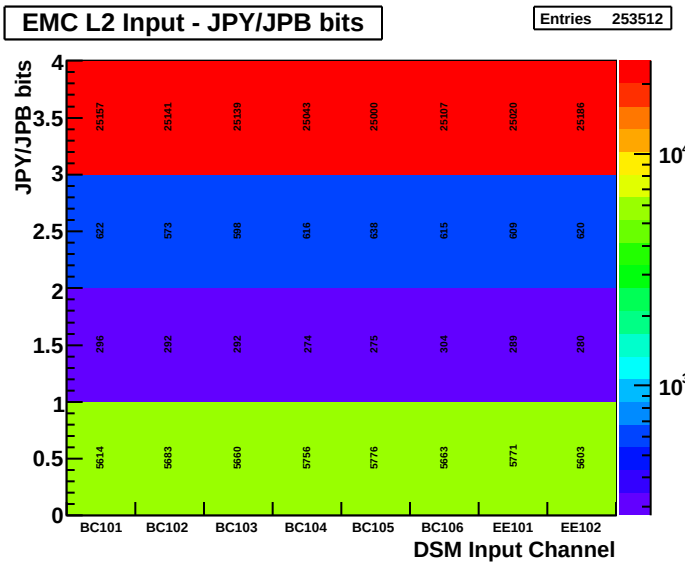

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

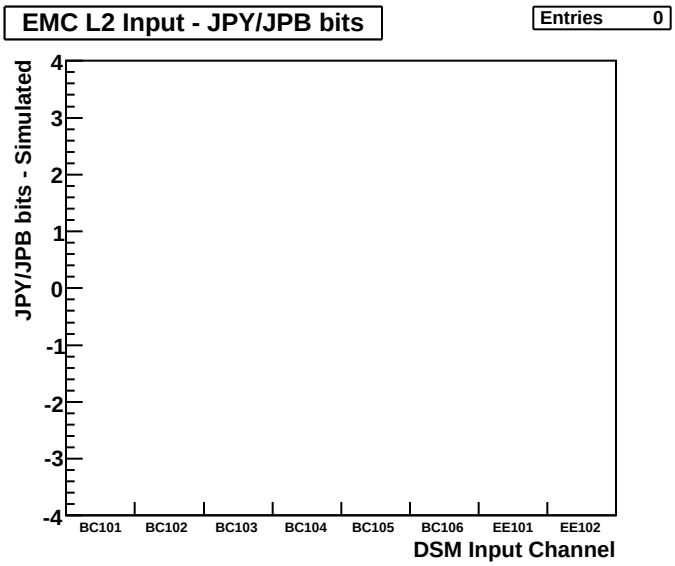

Endcap EMC L1 Input - High Tower Bits
Entries 380268
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

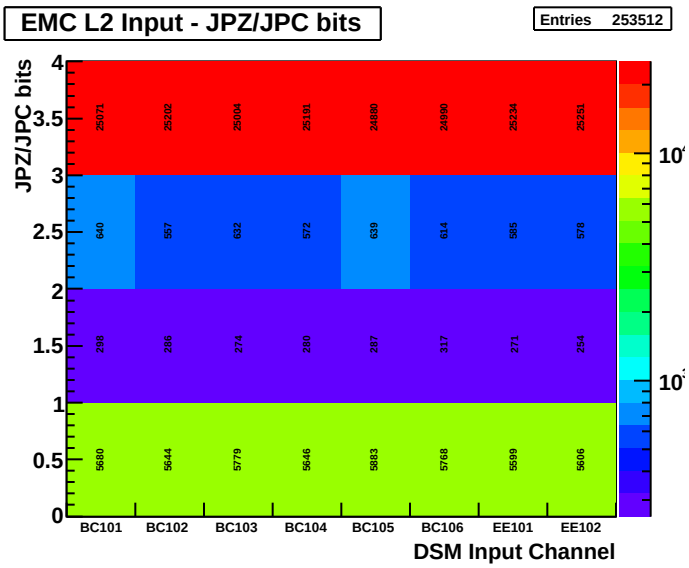

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

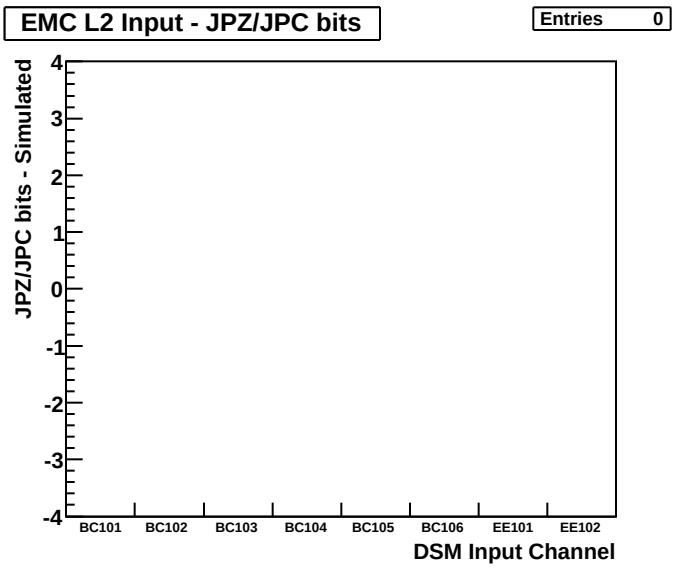

EMC L2 Input - JPX/JPA bits
Entries 253512
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
25195 25235 25185 25080 25045 25050 25244 25081
621 568 617 613 610 652 562 599
291 270 258 287 290 290 278 307
5582 5616 5619 5709 5744 5697 5605 5702

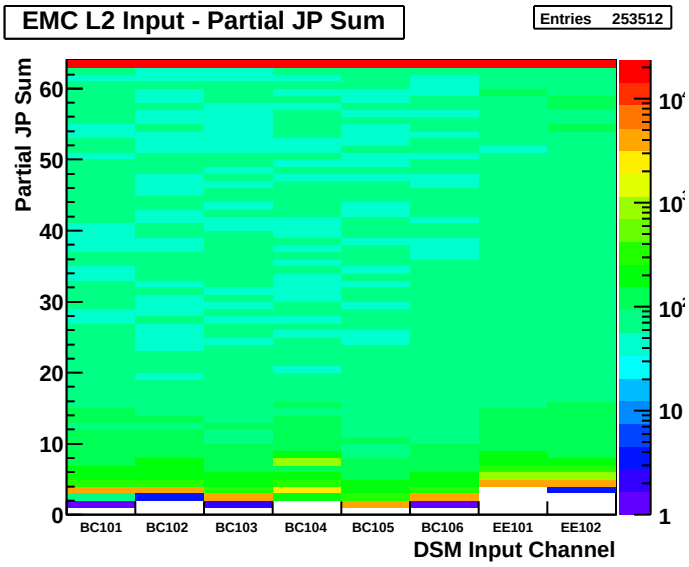

EMC L2 Input - JPX/JPA bits
Entries 157795
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
1883 1698 1847 1801 1887 1881 1756 1797
885 848 824 841 852 911 838 841
16876 16943 17058 17111 17403 17128 16975 16911

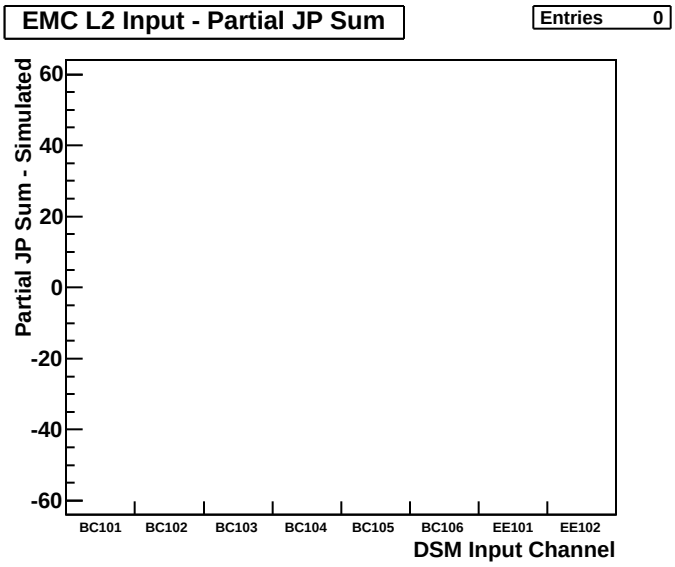

EMC L2 Input - JPY/JPB bits
Entries 253512
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
25157 25141 25139 25043 25000 25107 25020 25186
622 573 598 616 638 615 609 620
296 292 292 274 275 304 289 280
5614 5683 5660 5756 5776 5663 5771 5603

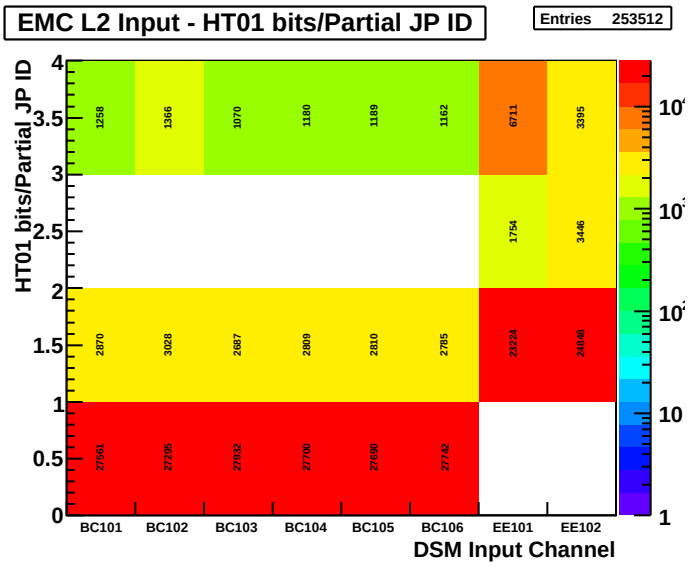

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

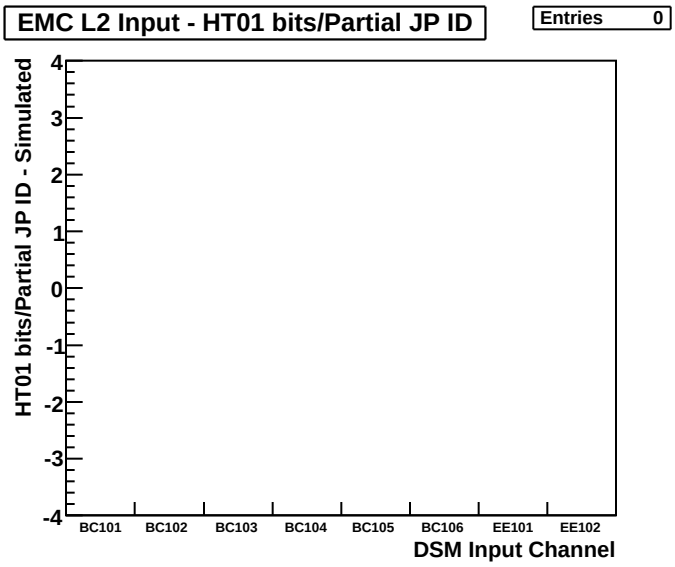

EMC L2 Input - JPZ/JPC bits
Entries 253512
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
25071 25202 25004 25191 24880 24990 25234 25251
640 557 632 572 639 614 585 578
298 286 274 280 287 317 271 254
5680 5644 5779 5646 5883 5768 5599 5606

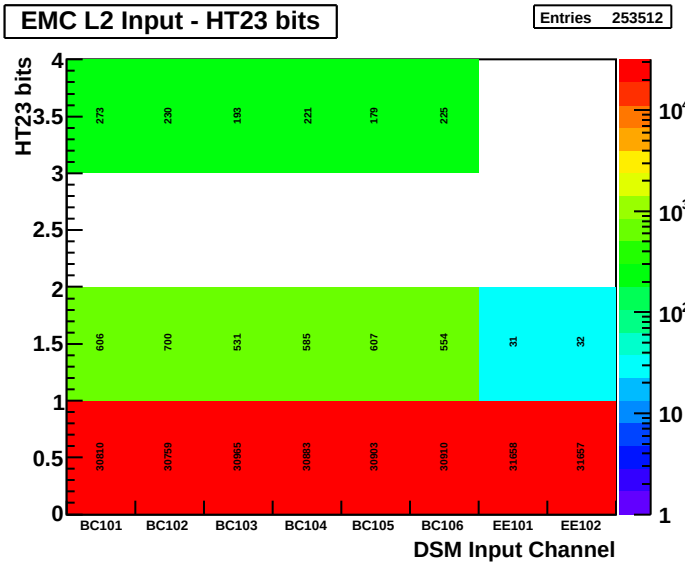

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

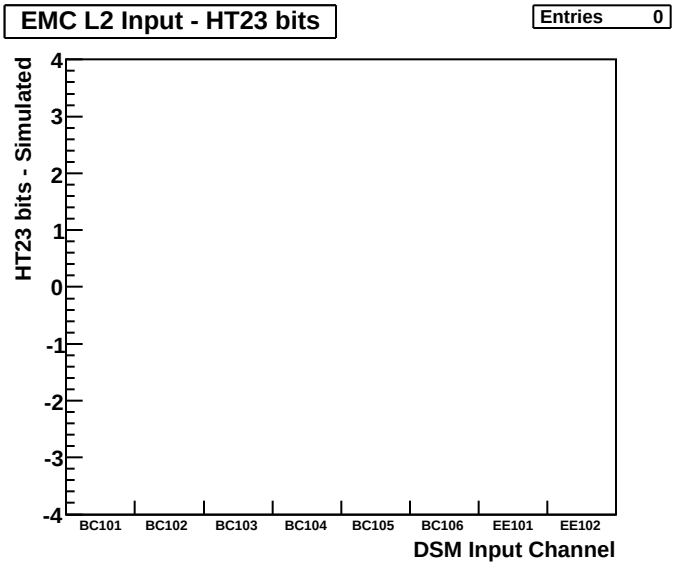

EMC L2 Input - Partial JP Sum
Entries 253512
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

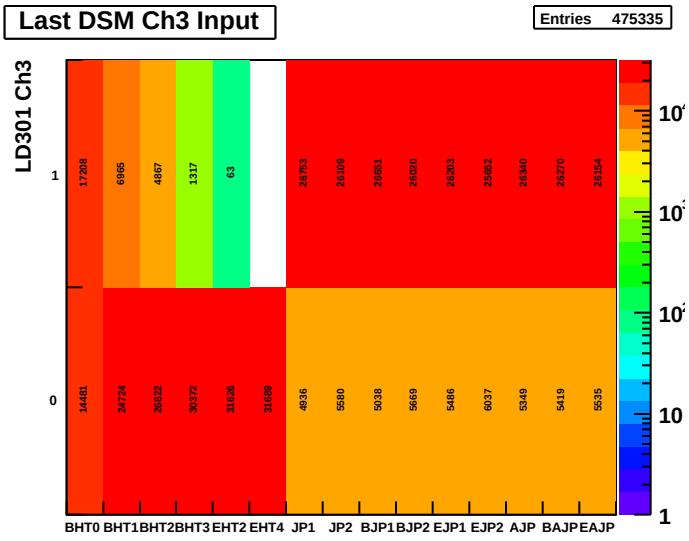

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

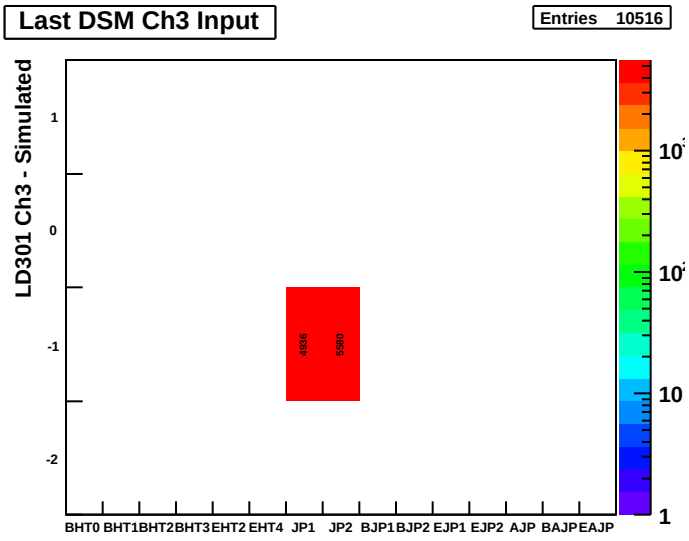

EMC L2 Input - HT01 bits/Partial JP ID
Entries 253512
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

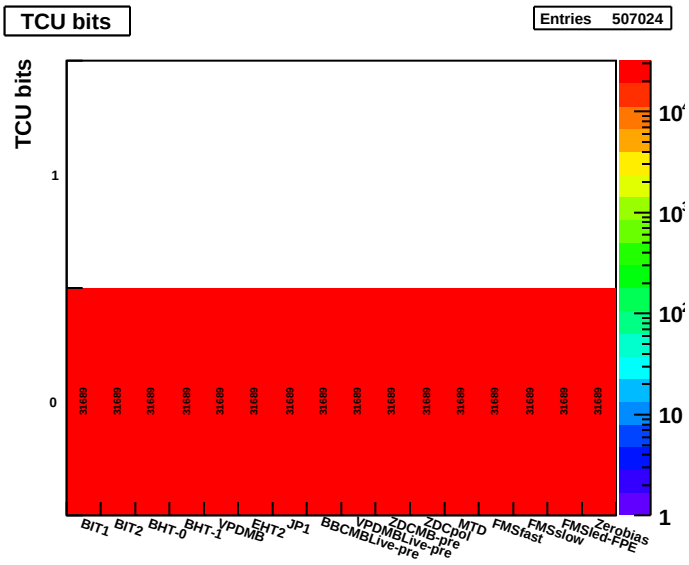

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

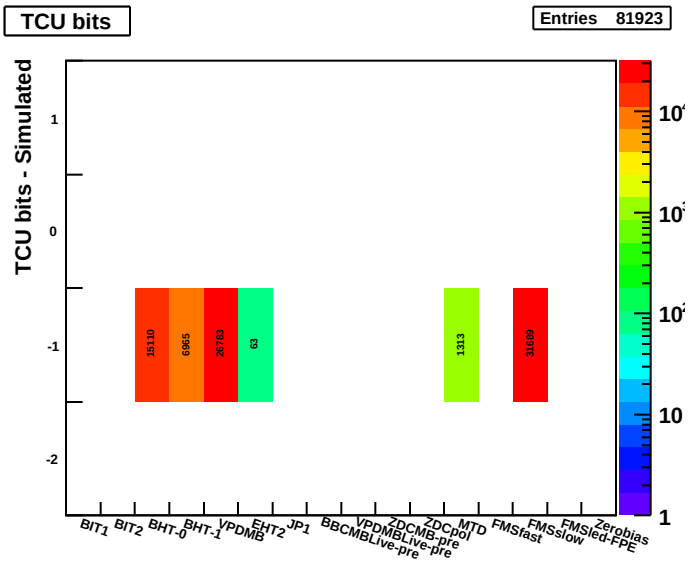

EMC L2 Input - HT23 bits
Entries 253512
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

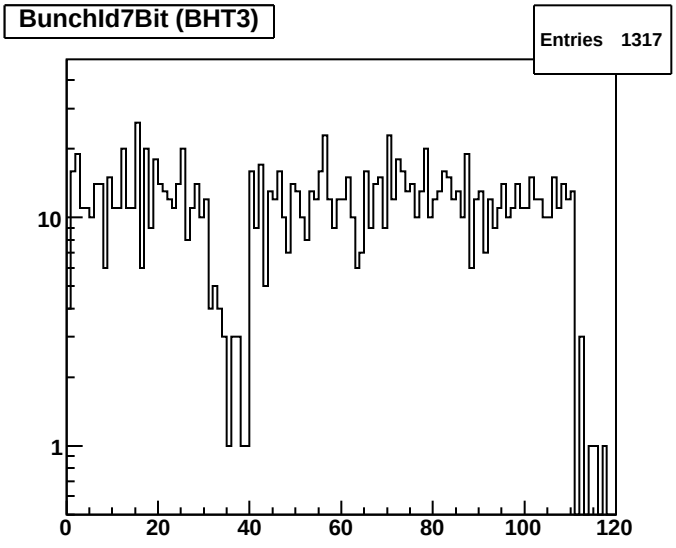

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

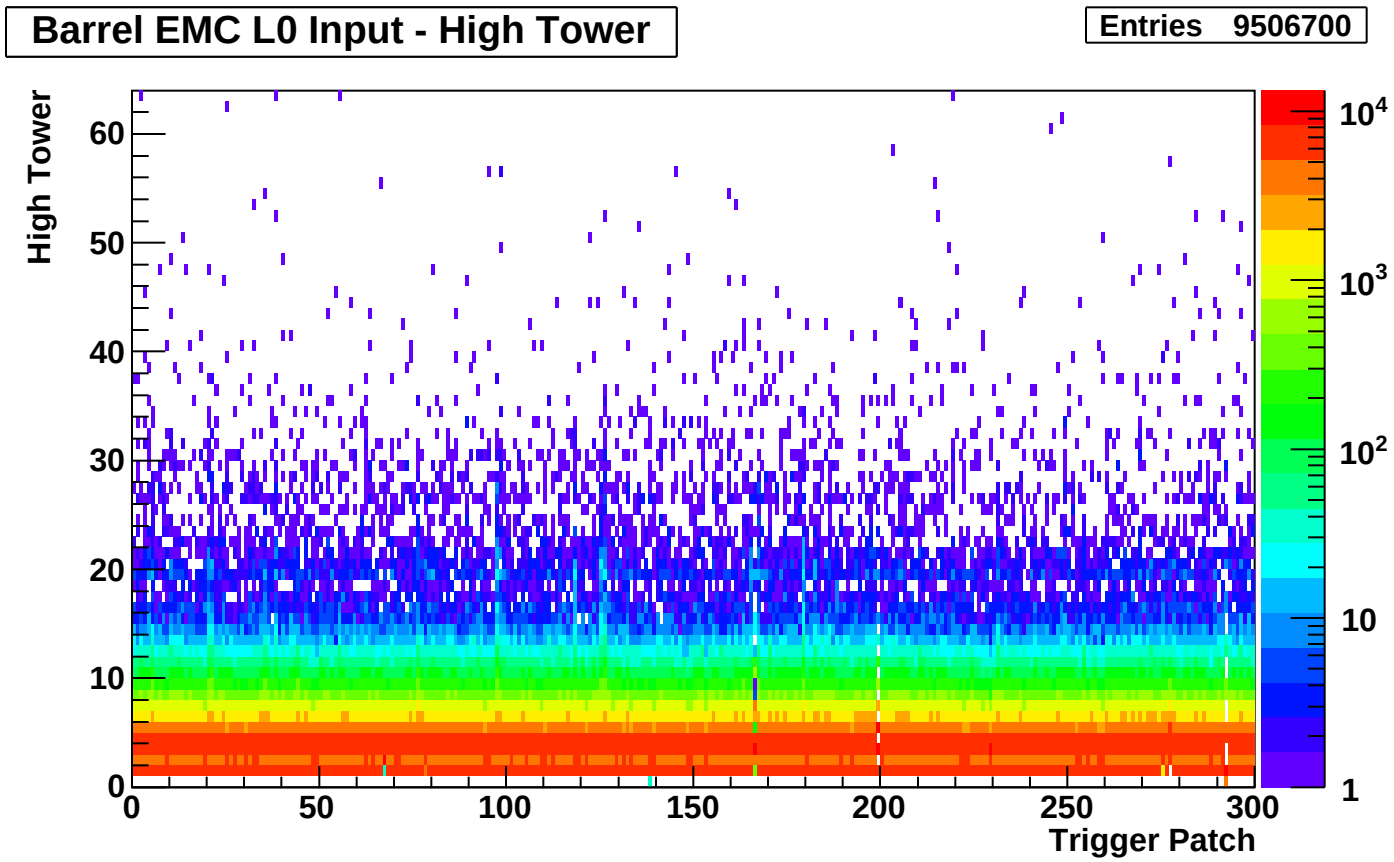

Last DSM Ch3 Input
Entries 475335
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

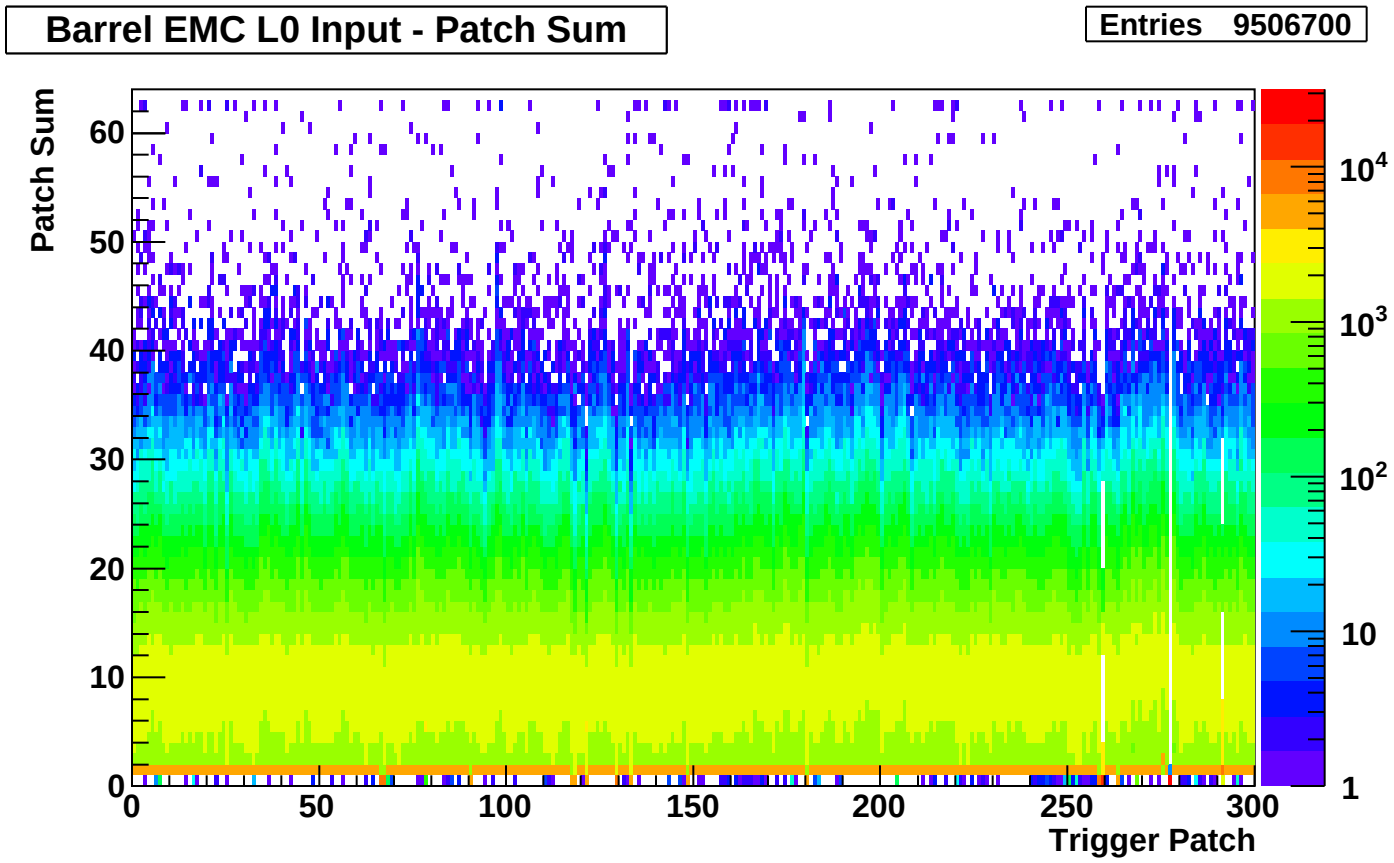

Last DSM Ch3 Input
Entries 10516
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

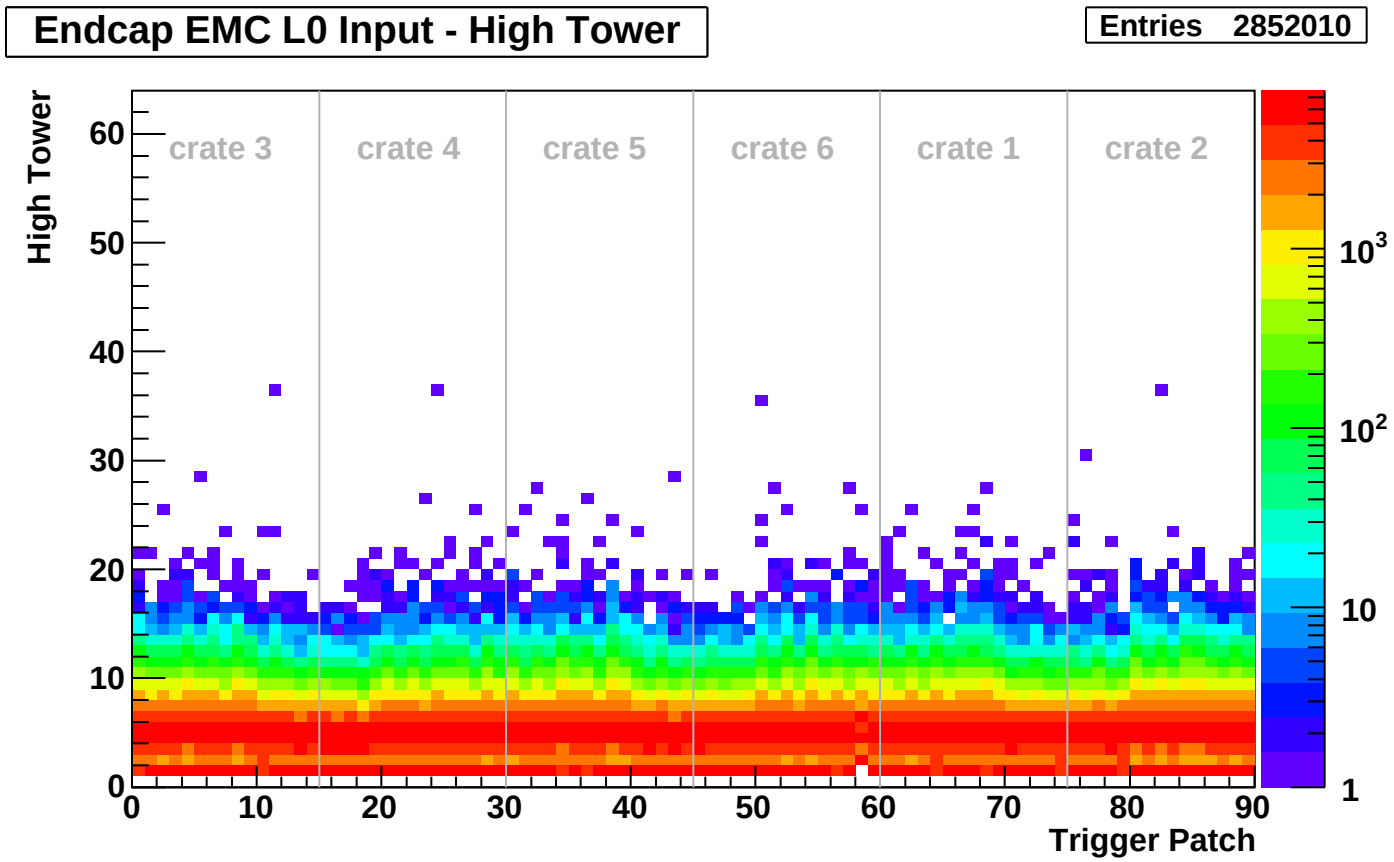

TCU bits
Entries 507024
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

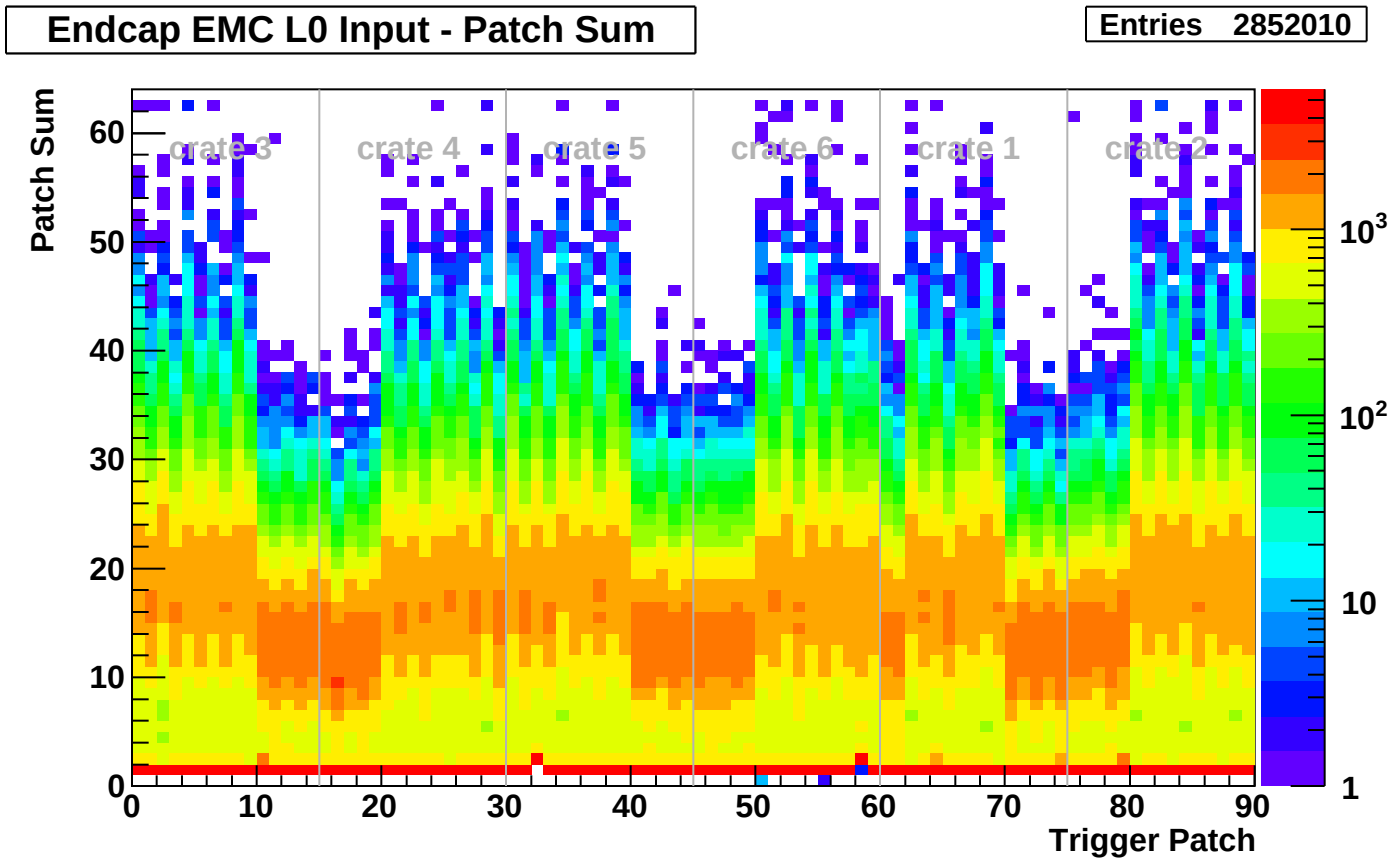

TCU bits
Entries 81923
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

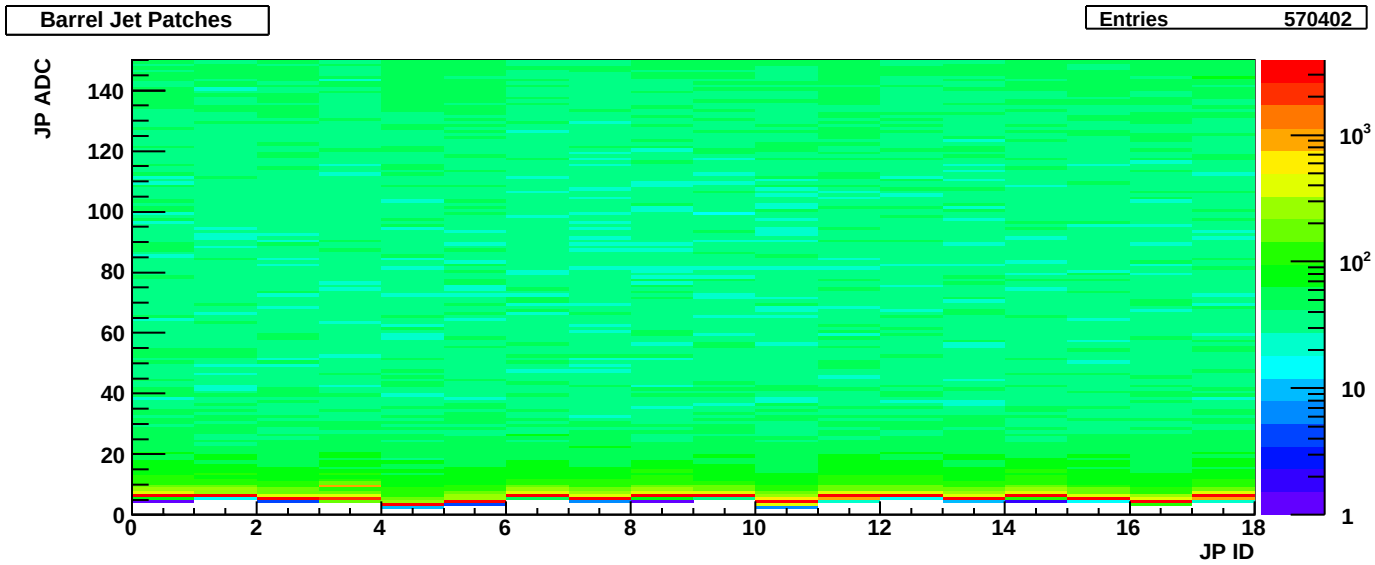

BunchId7Bit (BHT3)
Entries 1317

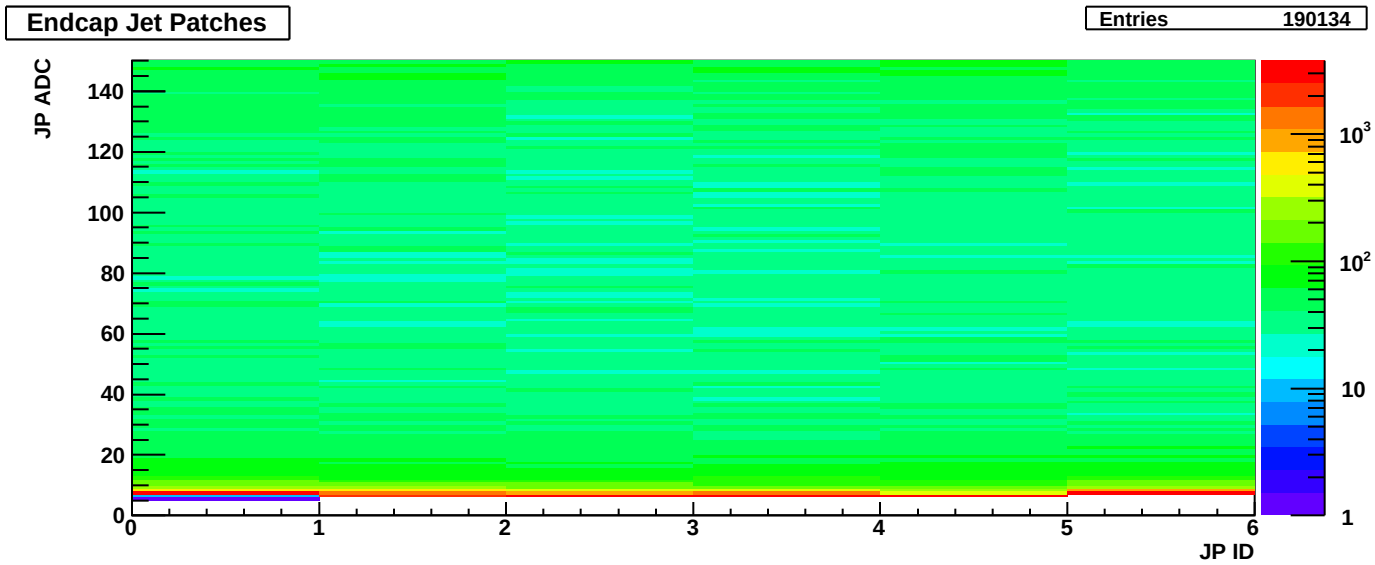

Barrel EMC L0 Input - High Tower
Entries 9506700
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

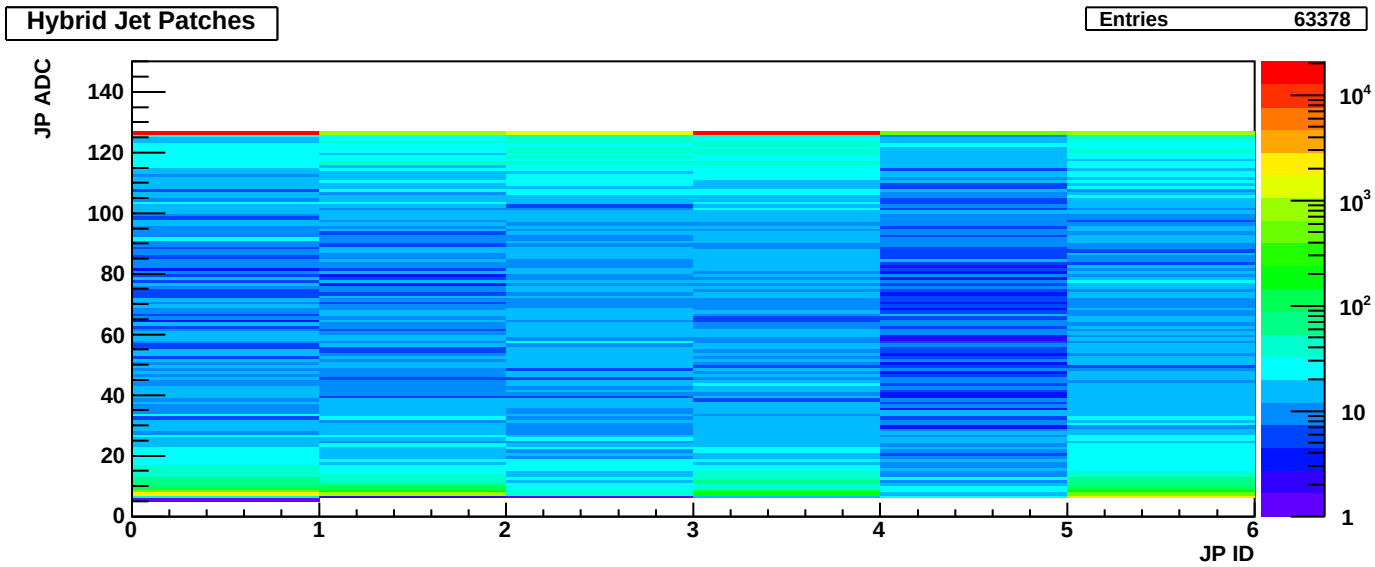

Barrel EMC L0 Input - Patch Sum
Entries 9506700
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

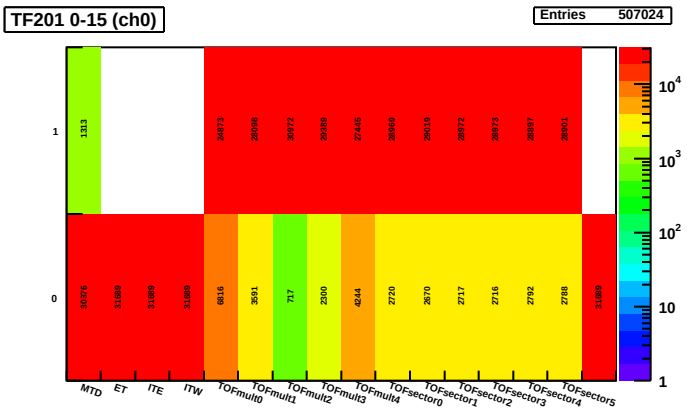

Endcap EMC L0 Input - High Tower
Entries 2852010
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

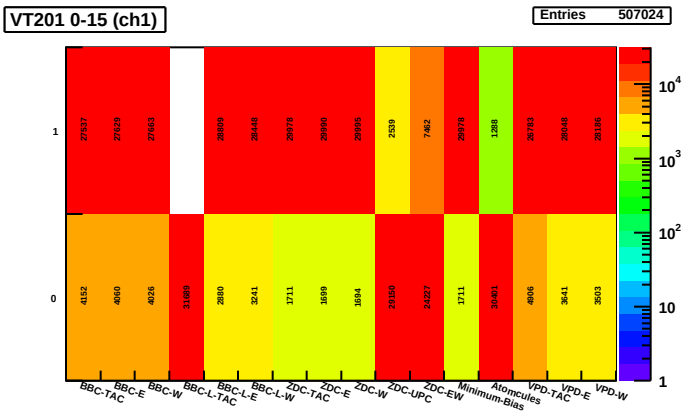

Endcap EMC L0 Input - Patch Sum
Entries 2852010
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

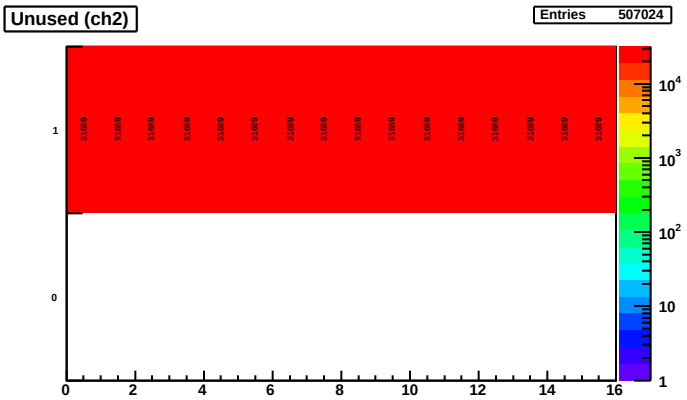

Barrel Jet Patches
Entries 570402
JP ADC
JP ID

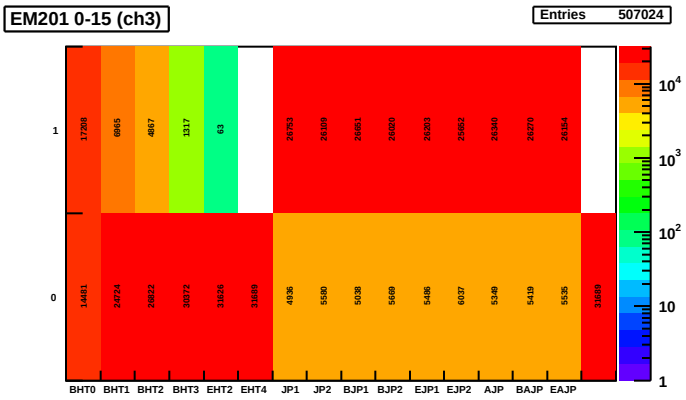

Endcap Jet Patches
Entries 190134
JP ADC
JP ID

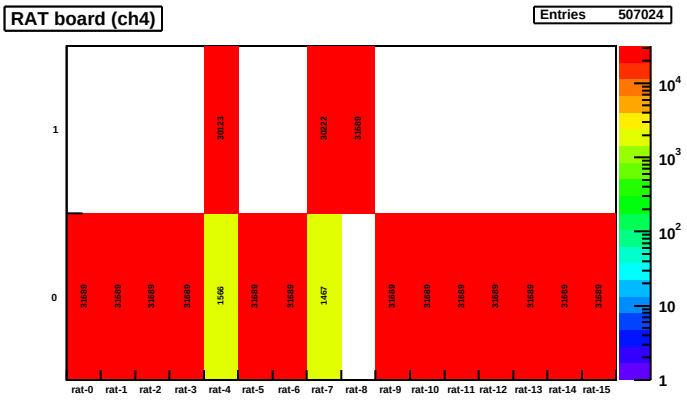

Hybrid Jet Patches
Entries 63378
JP ADC
JP ID

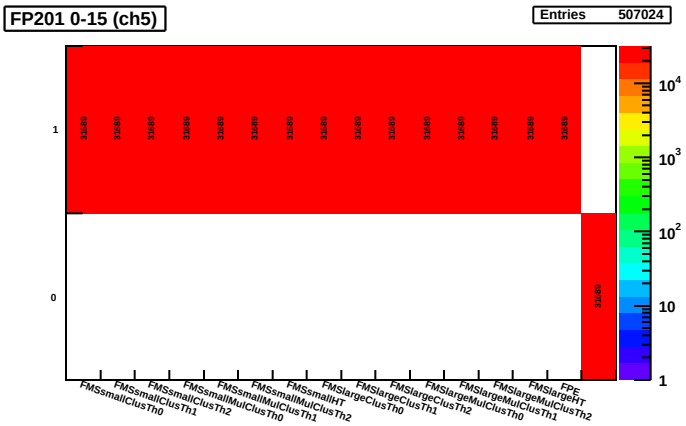

TF201 0-15 (ch0)
Entries 507024
1313
24873 28098 30972 29389 27445 29969 29019 28972 28973 28897 28901
30276 31689 31689 31689 6816 3591 717 2300 4244 2720 2670 2717 2716 2792 2788 31689
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

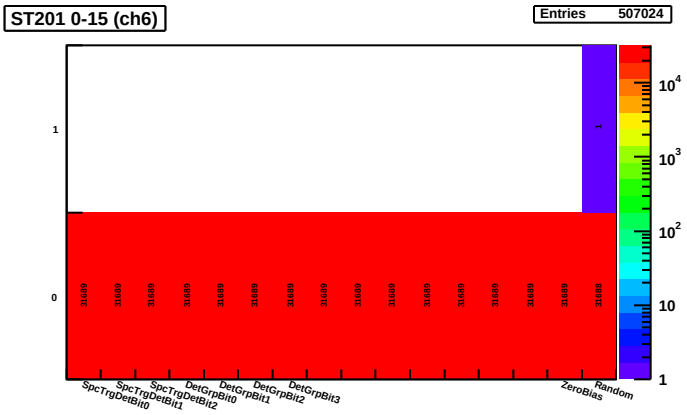

VT201 0-15 (ch1)
Entries 507024
27537 27629 27663 28309 28448 29378 29990 29995 2539 7462 29978 1288 26783 28048 28186
4152 4060 4026 31689 2880 3241 1711 1699 1694 29350 24227 1711 30401 4906 3641 3503
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

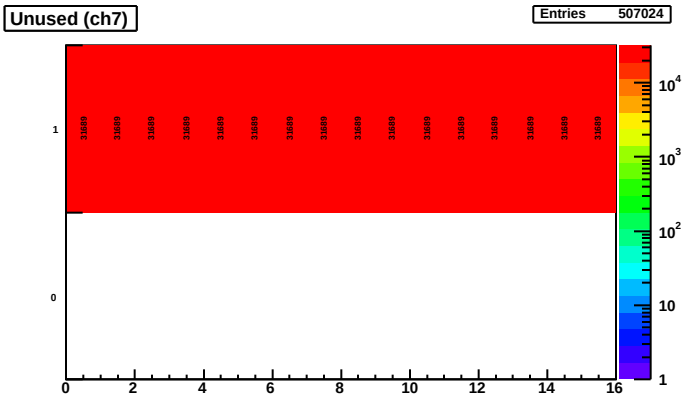

Unused (ch2)
Entries 507024
31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689

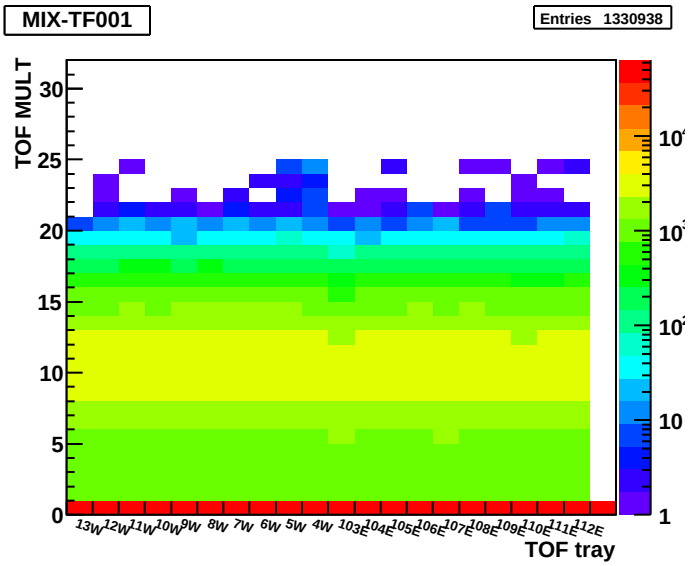

EM201 0-15 (ch3)
Entries 507024
17208 6965 4867 1317 63 26753 25109 25651 25920 26203 25662 26340 26270 26154
14481 24724 28822 30372 31626 31689 4936 5580 5038 5689 5486 6037 5340 5419 5535 31689
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

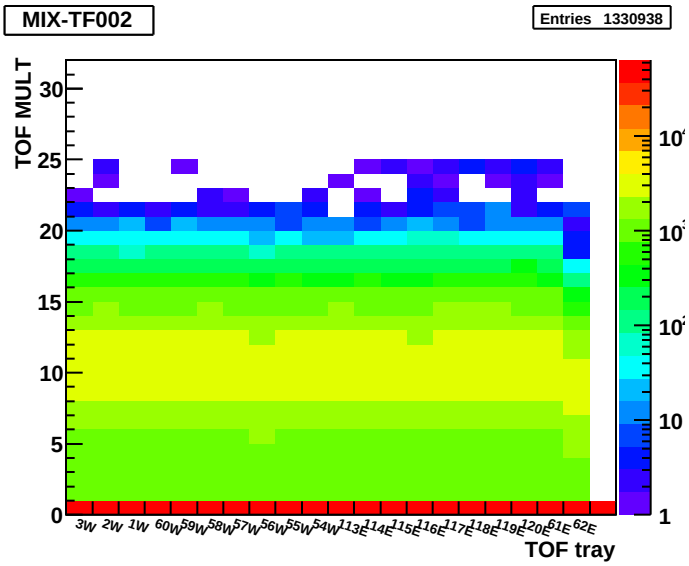

RAT board (ch4)
Entries 507024
30123 30222 31689
31689 31689 31689 31689 1566 31689 31689 1467 31689 31689 31689 31689 31689 31689 31689
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

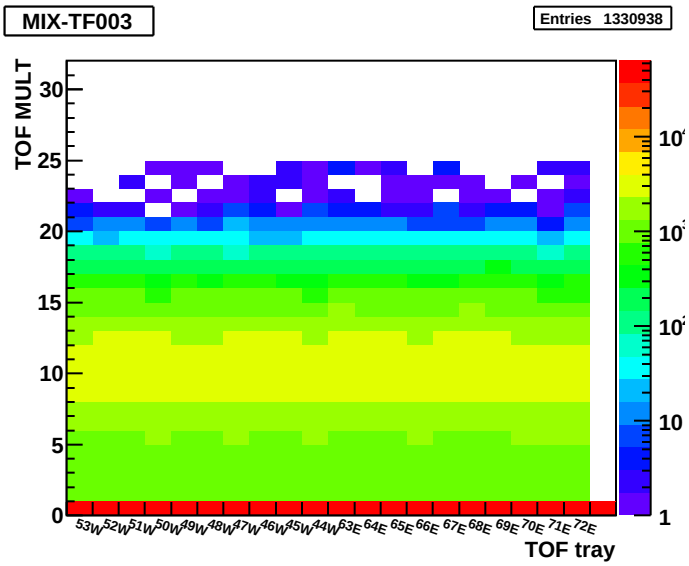

FP201 0-15 (ch5)
Entries 507024
31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689
31689
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

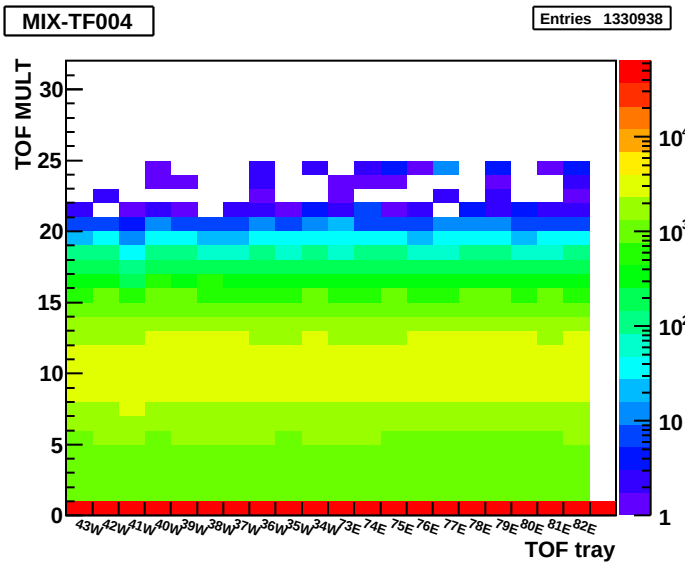

ST201 0-15 (ch6)
Entries 507024
1
31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31688
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

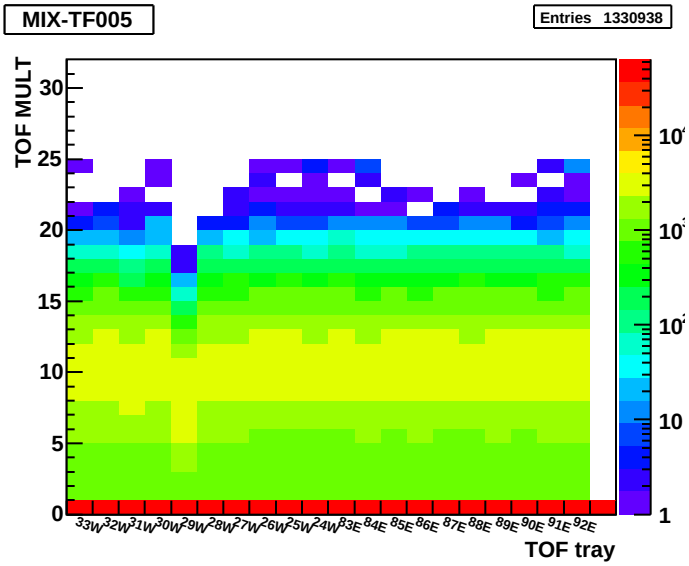

Unused (ch7)
Entries 507024
31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689 31689

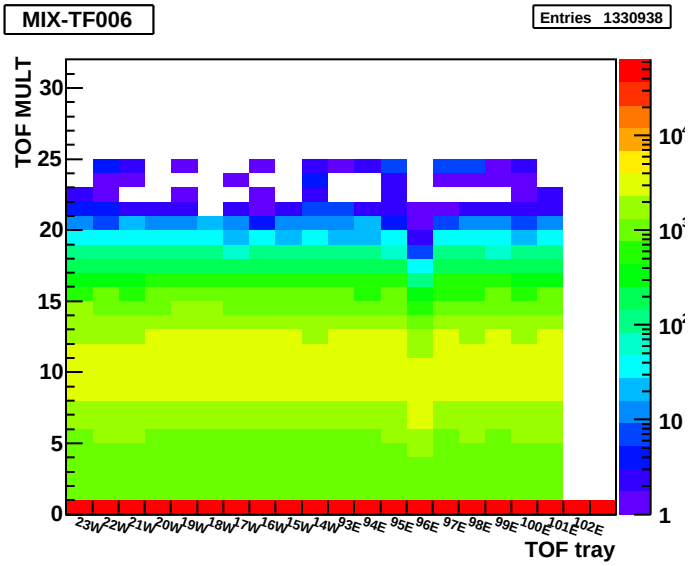

MIX-TF001
Entries 1330938
TOF MULT
TOF tray

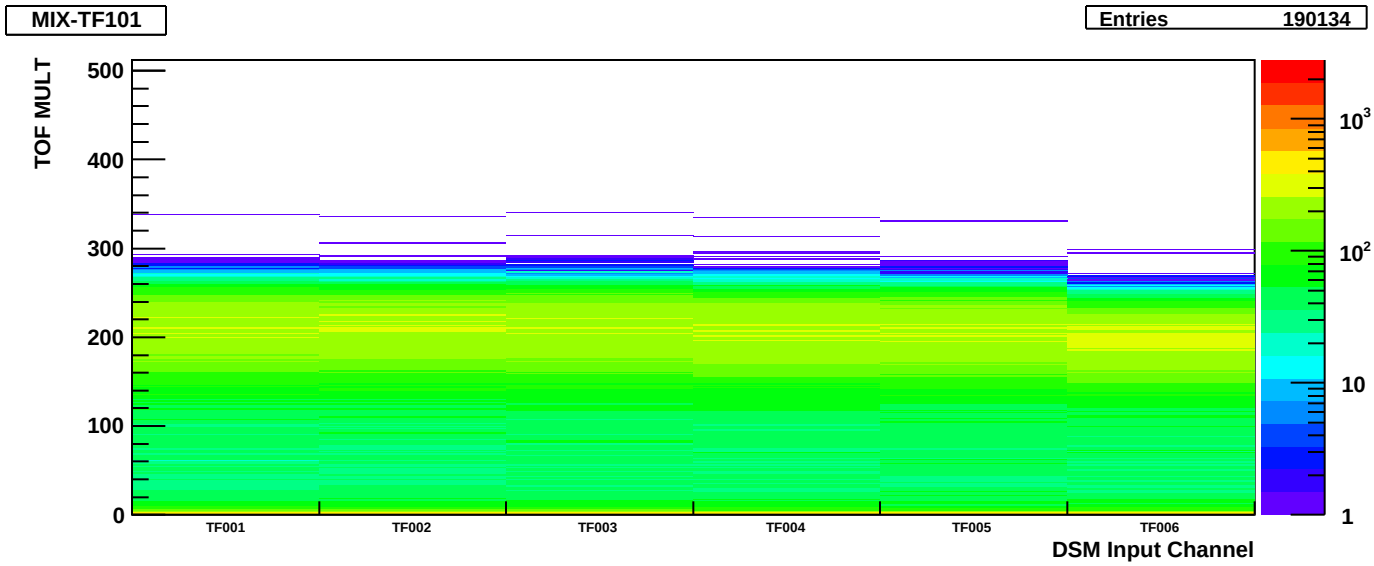

MIX-TF002
Entries 1330938
TOF MULT
TOF tray

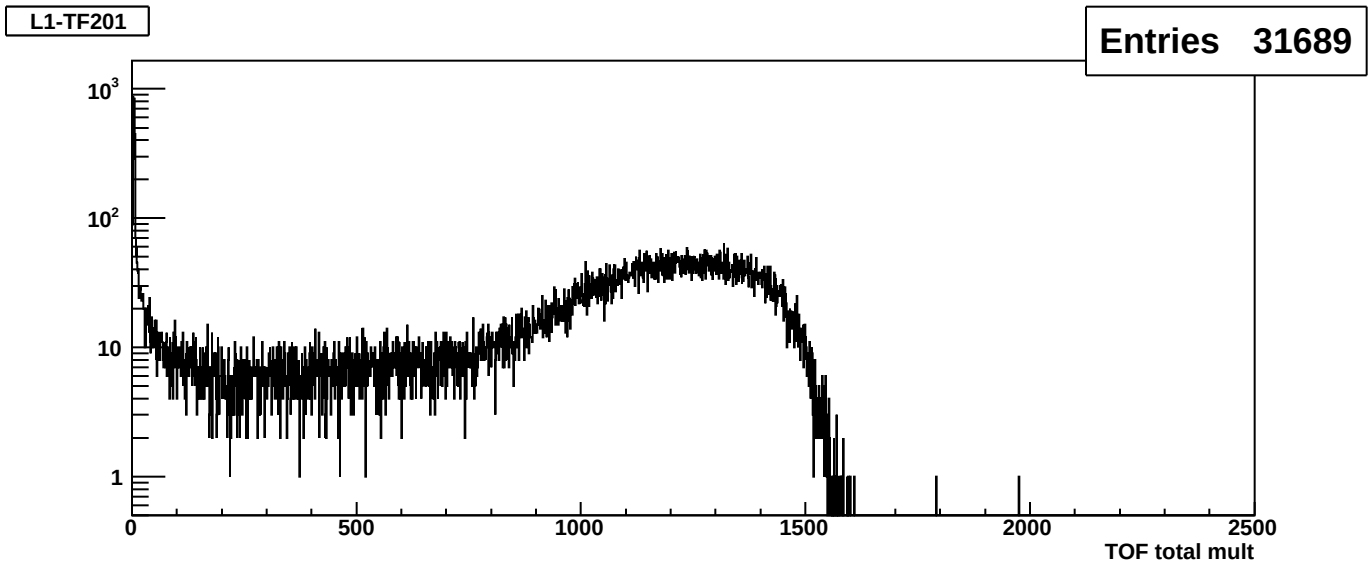

MIX-TF003
Entries 1330938
TOF MULT
TOF tray

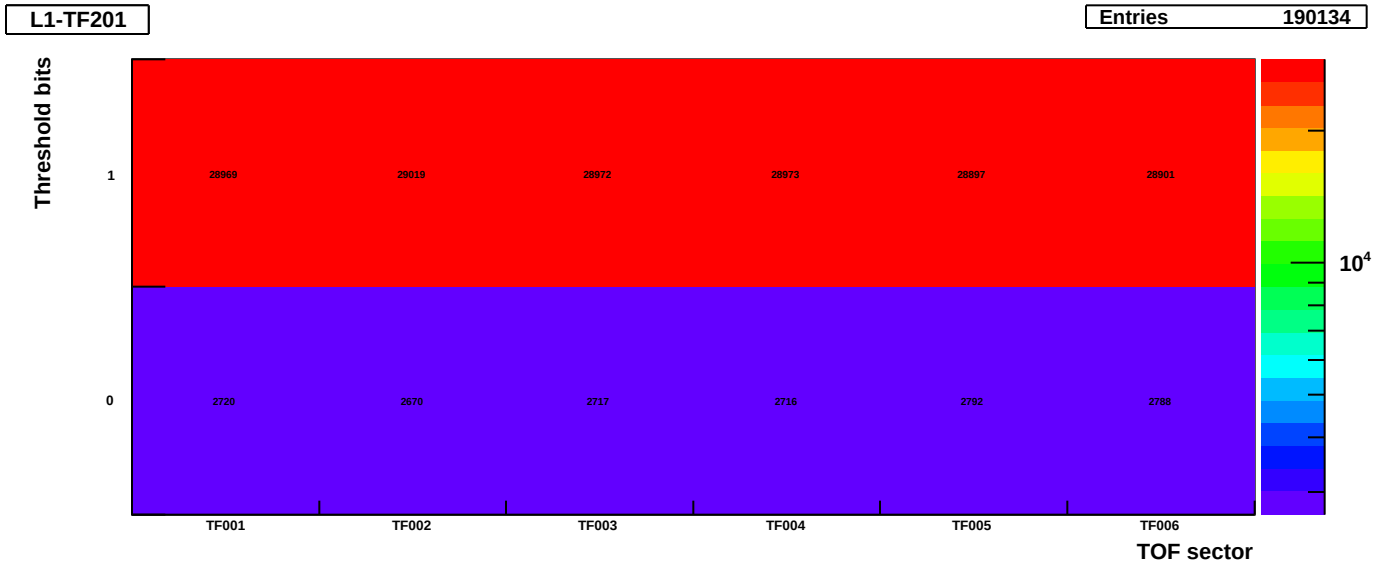

MIX-TF004
Entries 1330938
TOF MULT
TOF tray

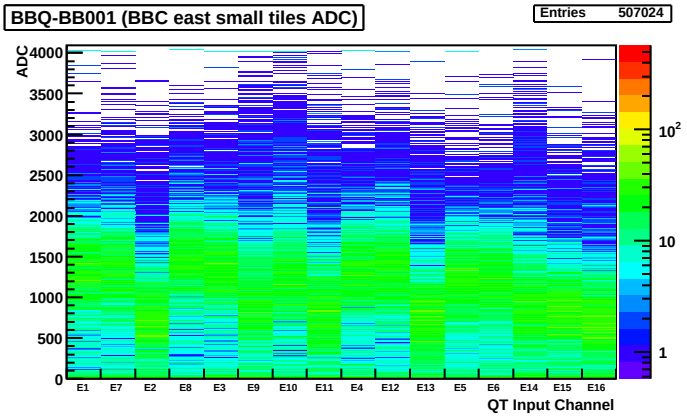

MIX-TF005
Entries 1330938
TOF MULT
TOF tray

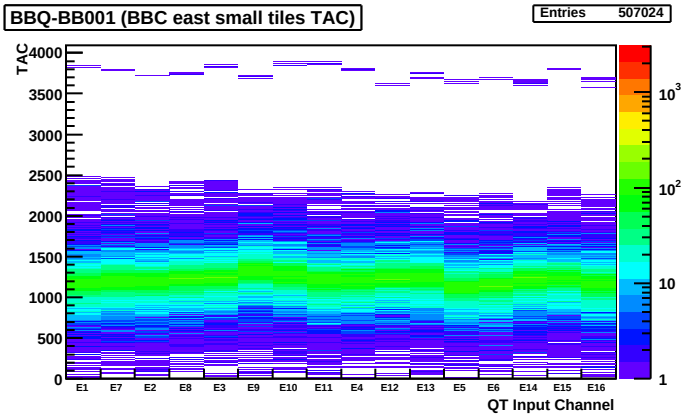

MIX-TF006
Entries 1330938
TOF MULT
TOF tray

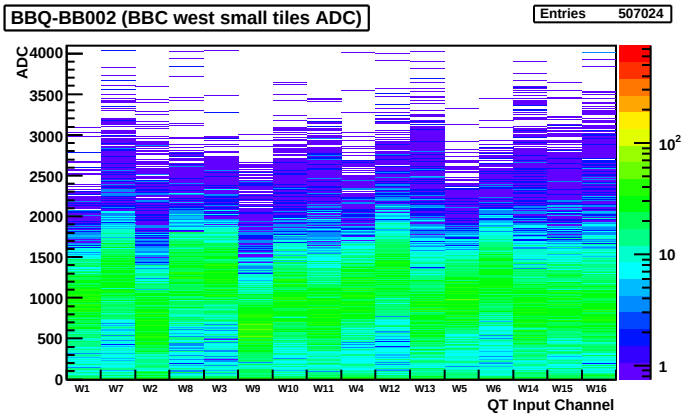

MIX-TF101
Entries 190134
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

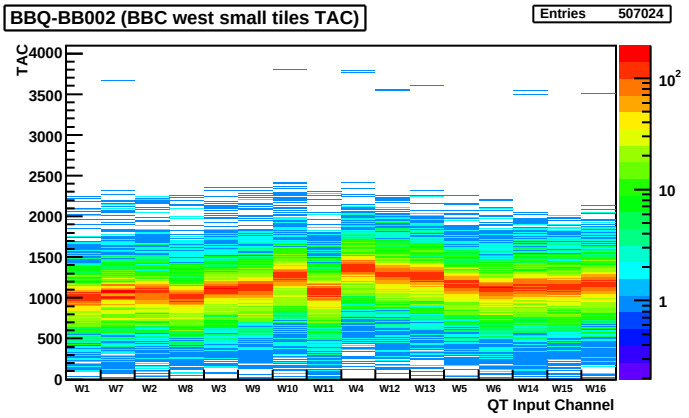

L1-TF201
Entries 31689
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

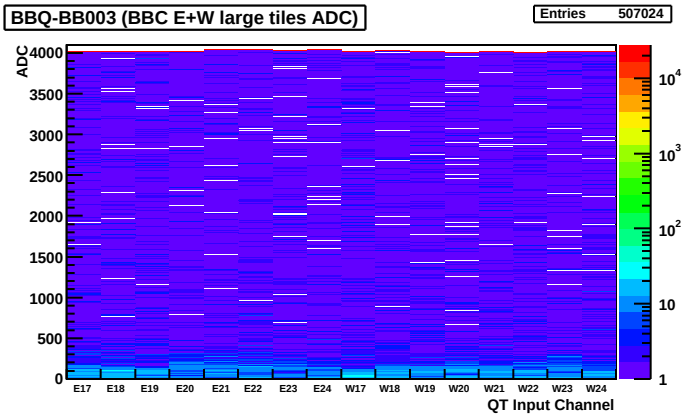

L1-TF201
Entries 190134
Threshold bits
1
0
28969
29019
28972
28973
28897
28901
2720
2670
2717
2716
2792
2788
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

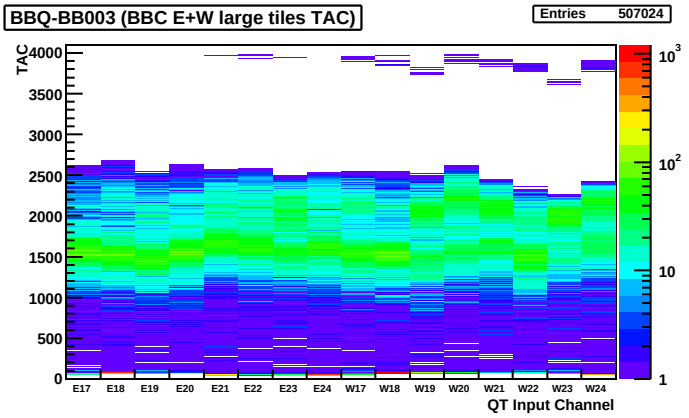

BBQ-BB001 (BBC east small tiles ADC)
Entries 507024
ADC
QT Input Channel

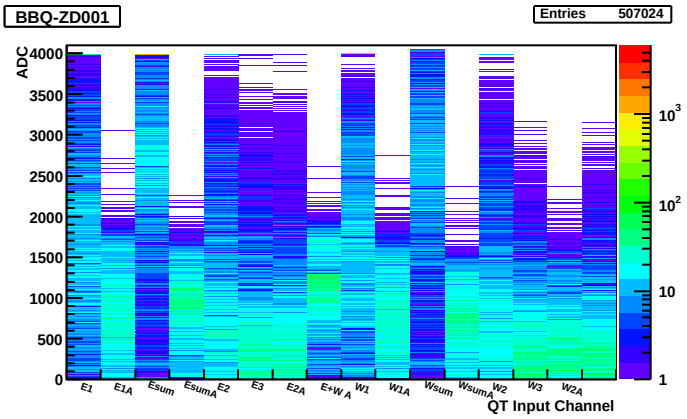

BBQ-BB001 (BBC east small tiles TAC)
Entries 507024
TAC
QT Input Channel

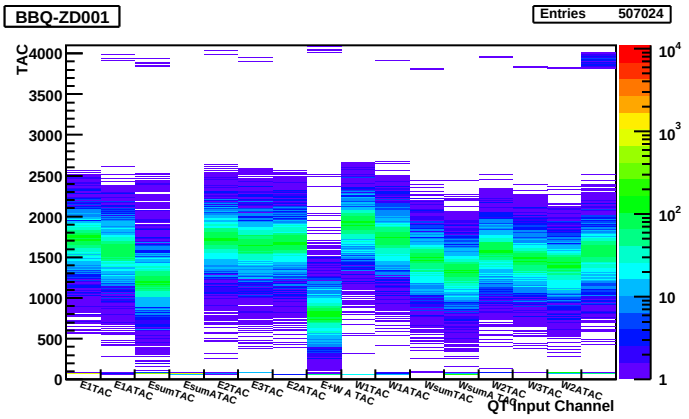

BBQ-BB002 (BBC west small tiles ADC)
Entries 507024
ADC
QT Input Channel

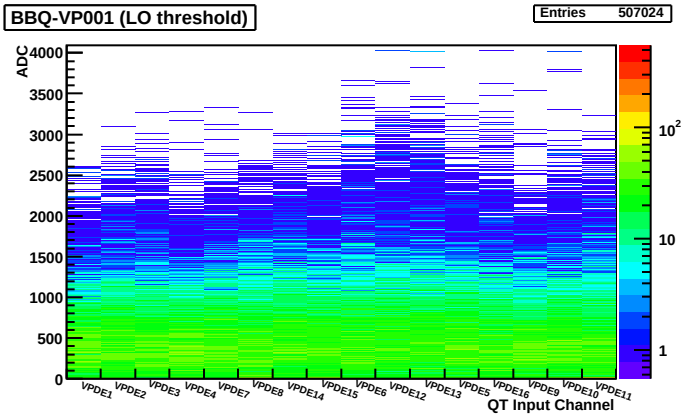

BBQ-BB002 (BBC west small tiles TAC)
Entries 507024
TAC
QT Input Channel

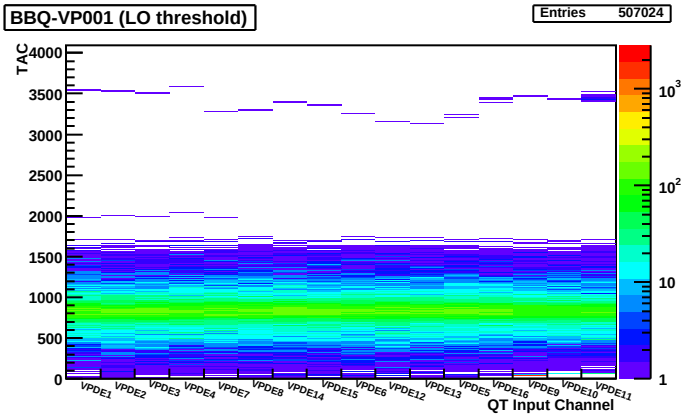

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 507024
ADC
QT Input Channel

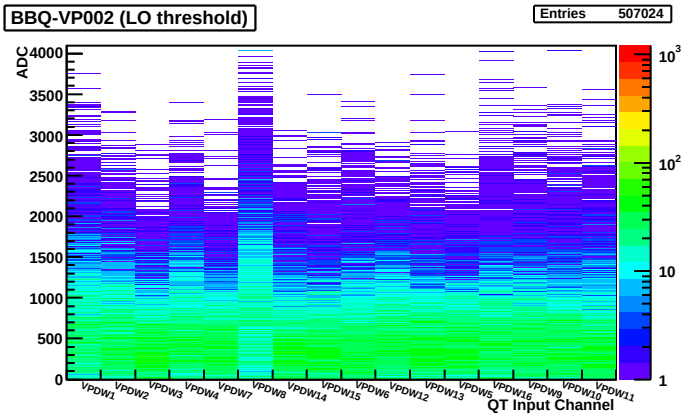

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 507024
TAC
QT Input Channel

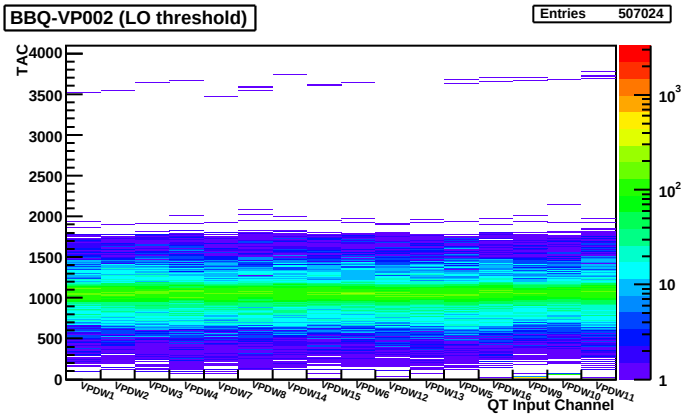

BBQ-ZD001
Entries 507024
ADC
QT Input Channel

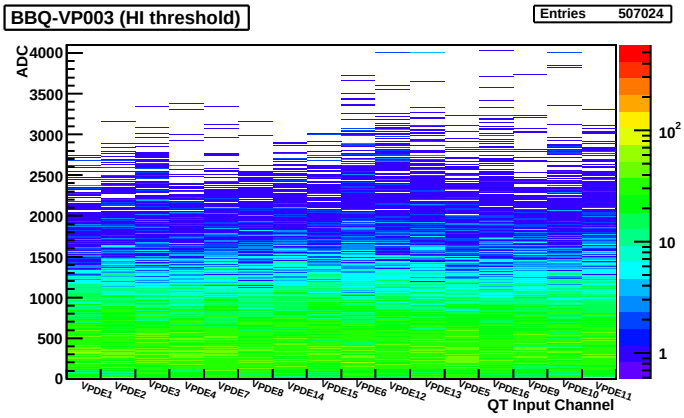

BBQ-ZD001
Entries 507024
TAC
QT Input Channel

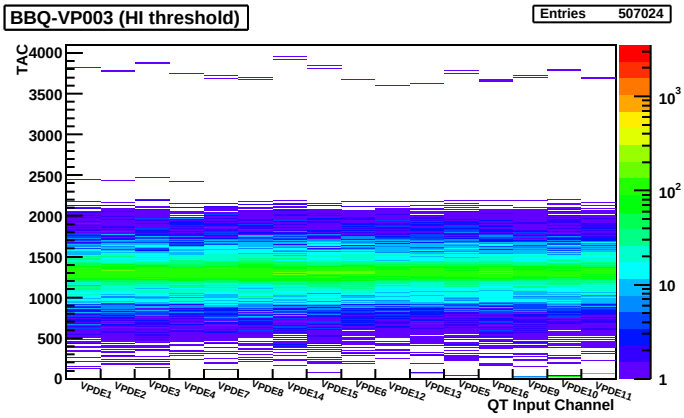

BBQ-VP001 (LO threshold)
Entries 507024
ADC
QT Input Channel

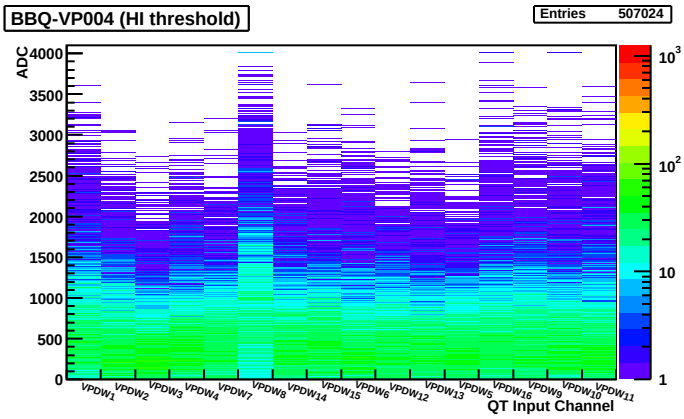

BBQ-VP001 (LO threshold)
Entries 507024
TAC
QT Input Channel

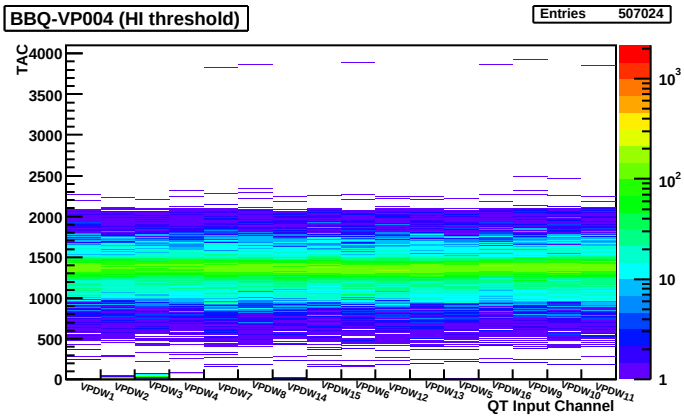

BBQ-VP002 (LO threshold)
Entries 507024
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 507024
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 507024
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 507024
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 507024
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 507024
TAC
QT Input Channel