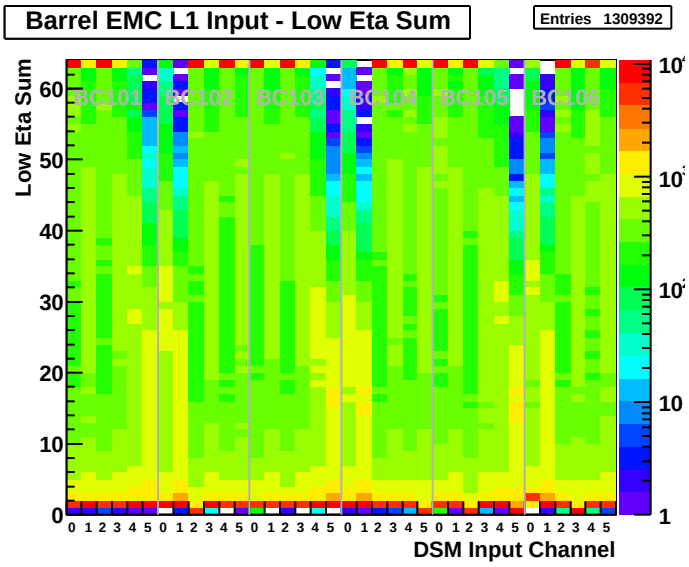
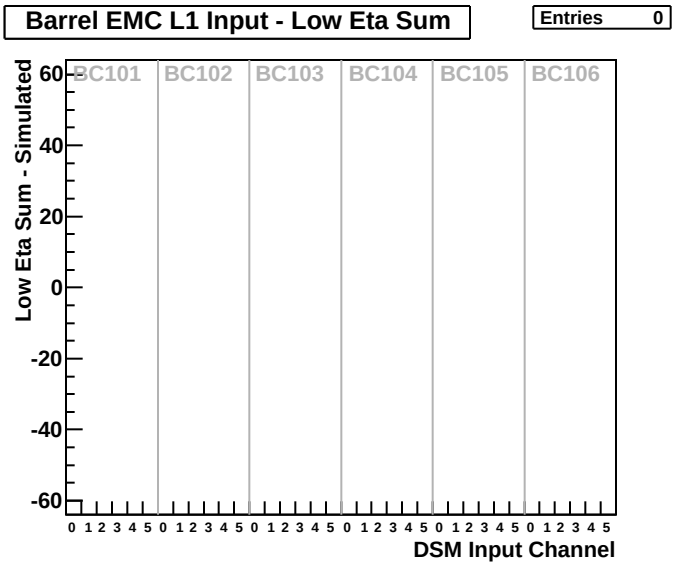
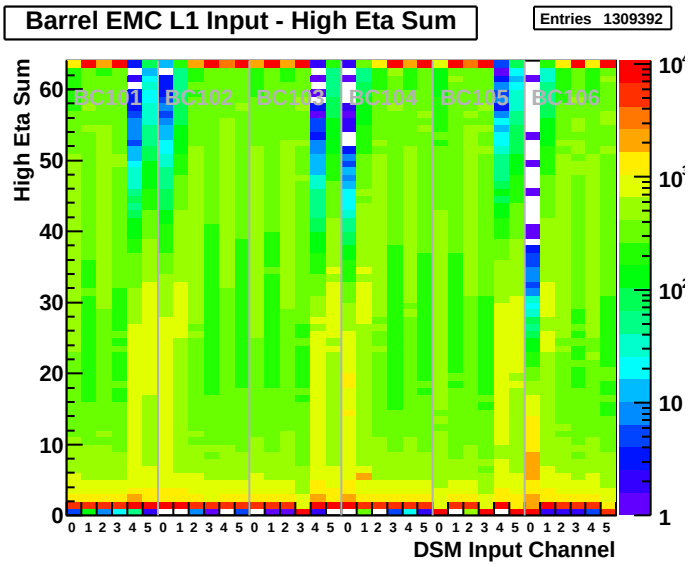
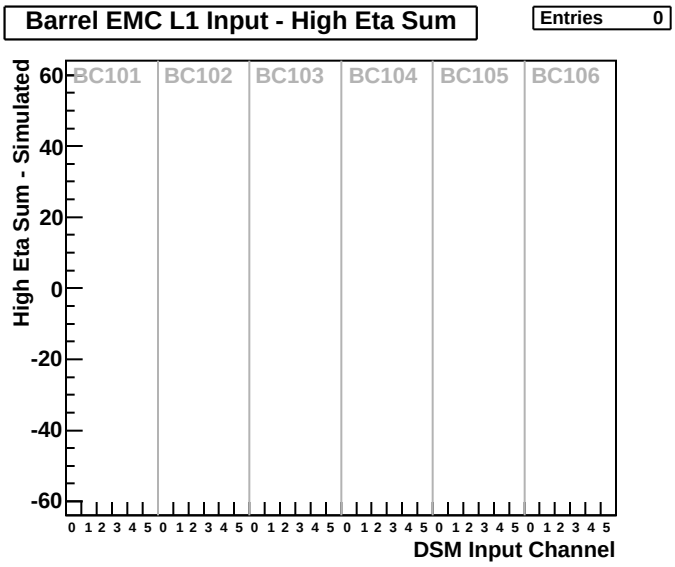
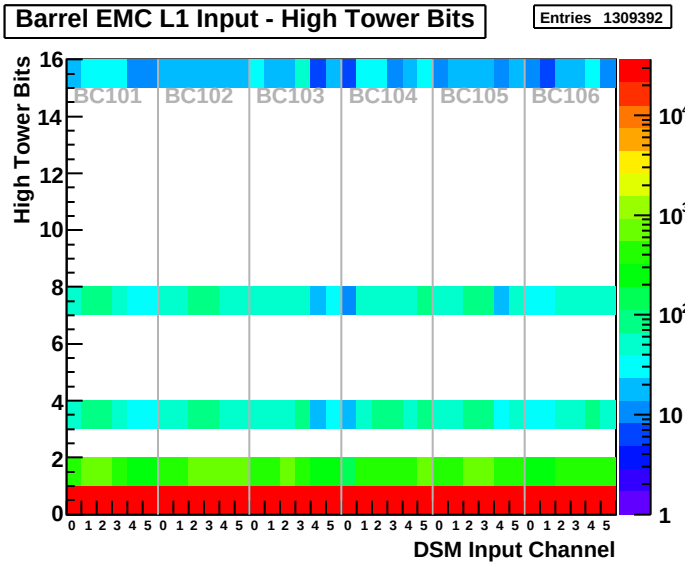
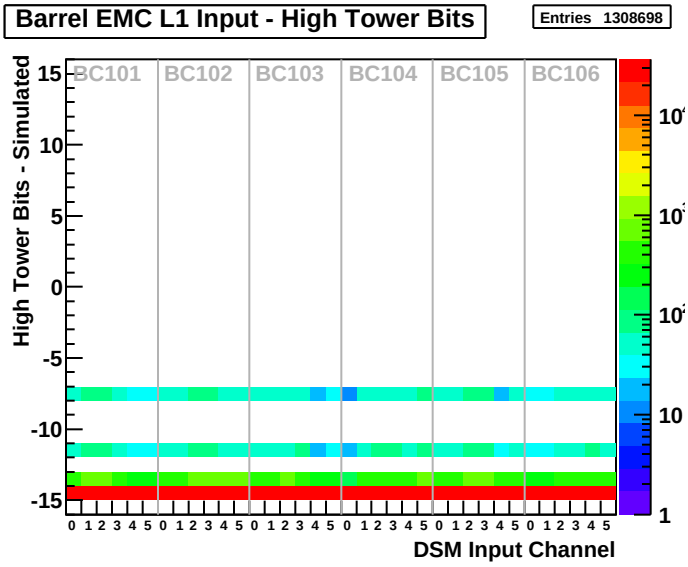

Barrel EMC L1 Input - Low Eta Sum
Entries 1309392
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

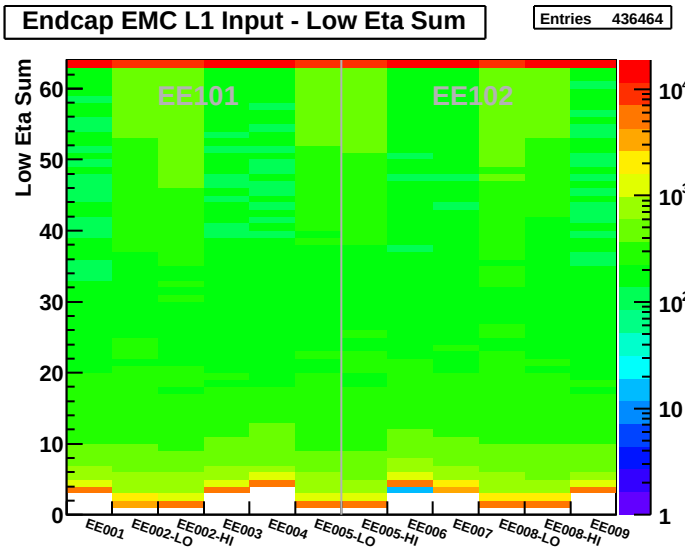

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

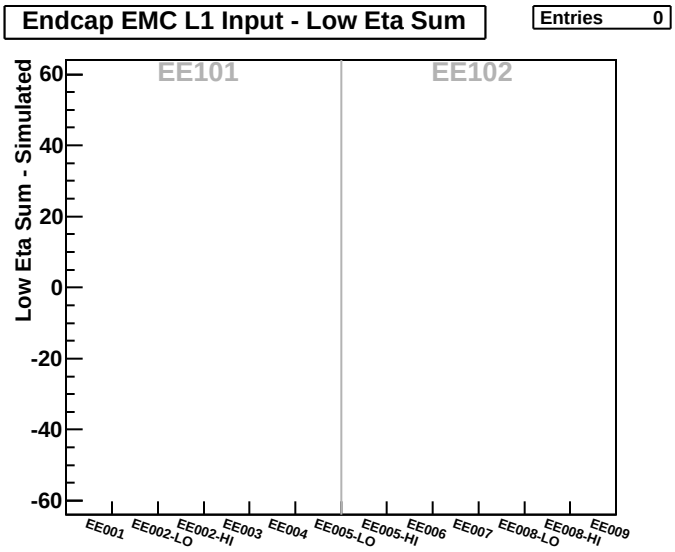

Barrel EMC L1 Input - High Eta Sum
Entries 1309392
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

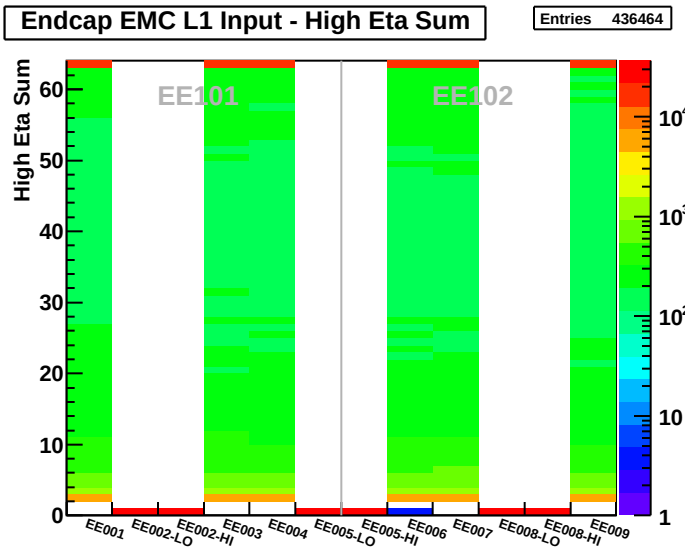

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

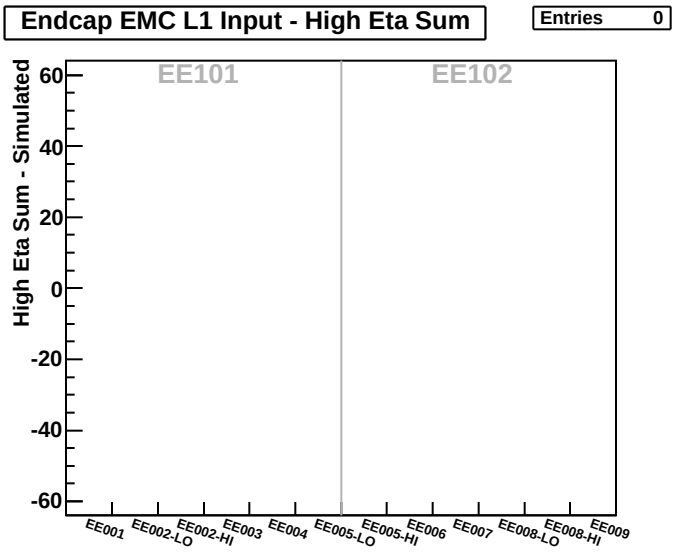

Barrel EMC L1 Input - High Tower Bits
Entries 1309392
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

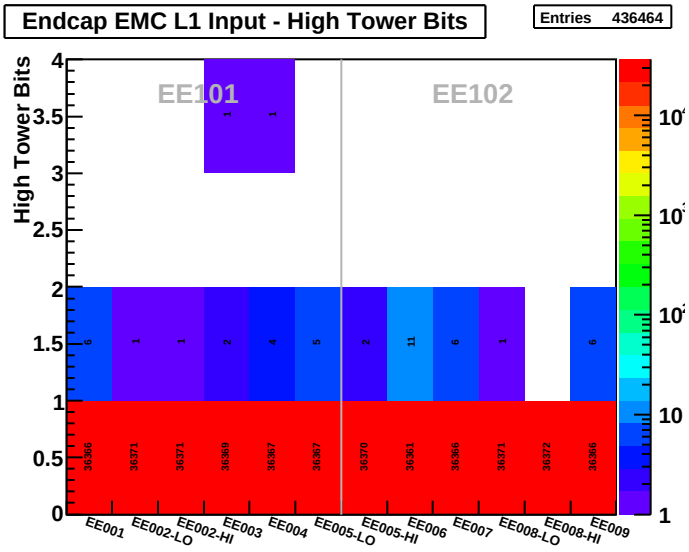

Barrel EMC L1 Input - High Tower Bits
Entries 1308698
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

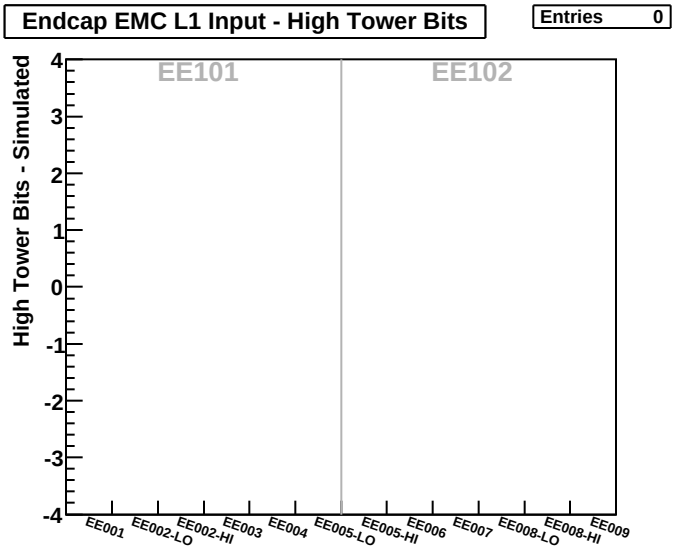

Endcap EMC L1 Input - Low Eta Sum
Entries 436464
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

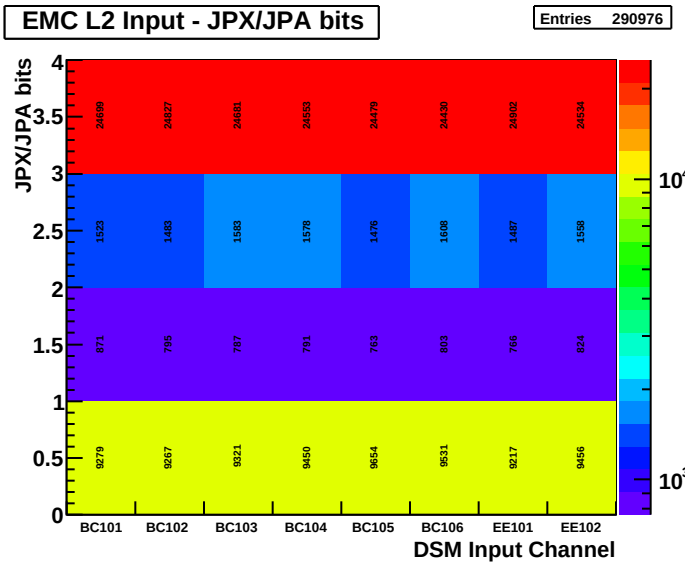

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

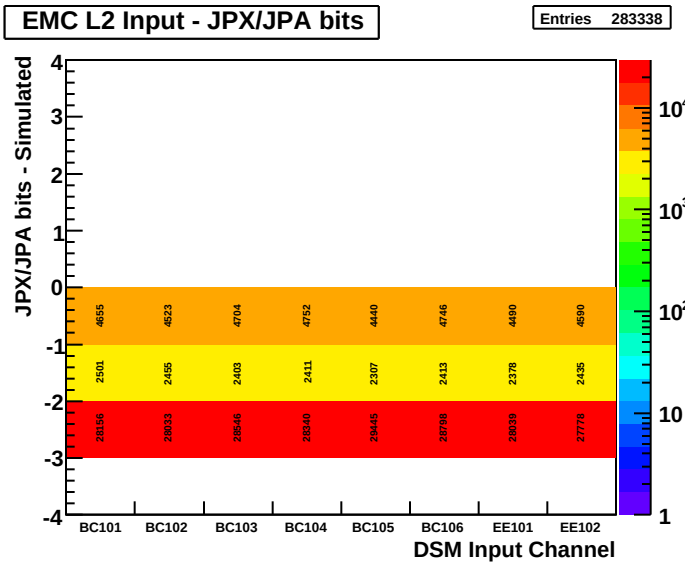

Endcap EMC L1 Input - High Eta Sum
Entries 436464
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

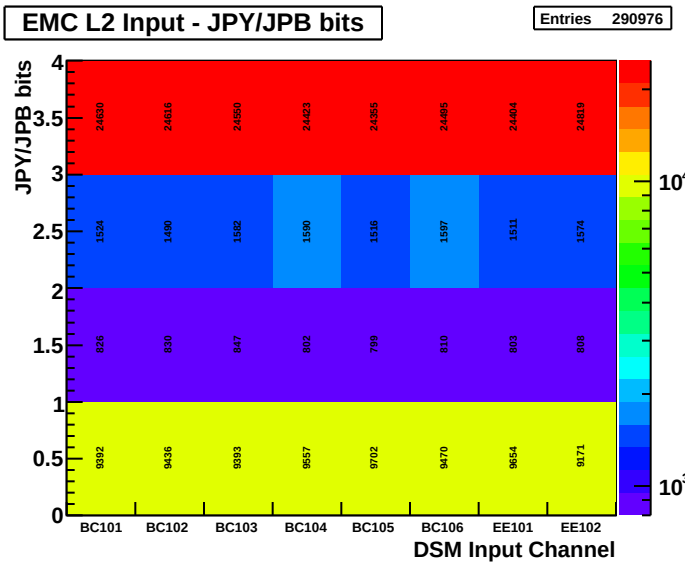

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

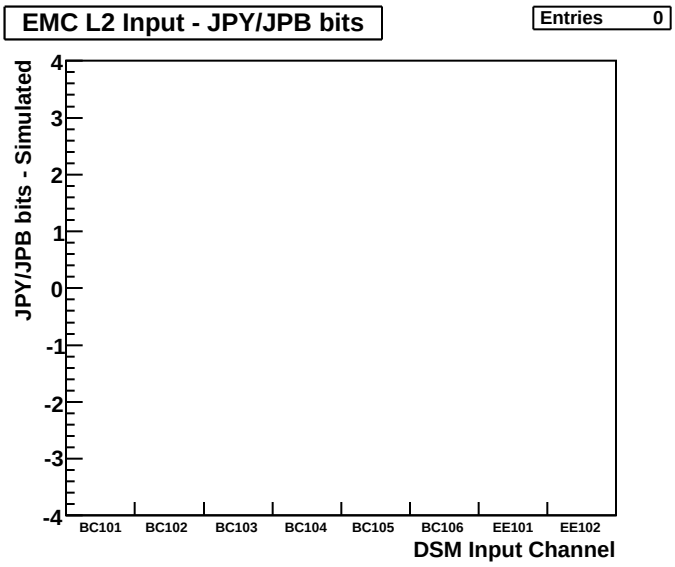

Endcap EMC L1 Input - High Tower Bits
Entries 436464
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

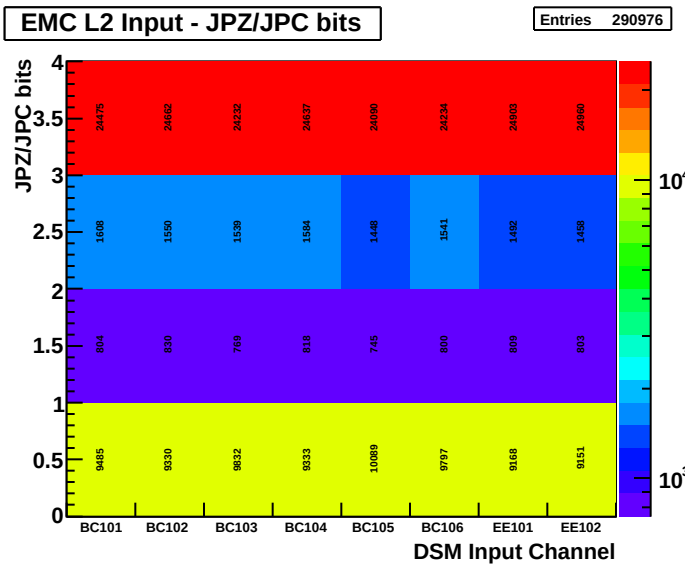

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

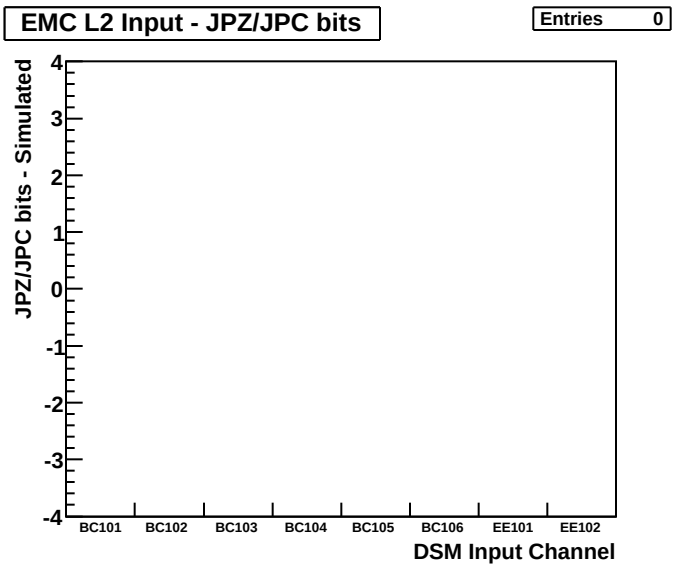

EMC L2 Input - JPX/JPA bits
Entries 290976
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
24699 24827 24681 24553 24479 24430 24902 24534
1523 1483 1583 1578 1476 1608 1487 1558
871 795 797 791 763 803 766 824
9279 9267 9321 9450 9654 9531 9217 9456

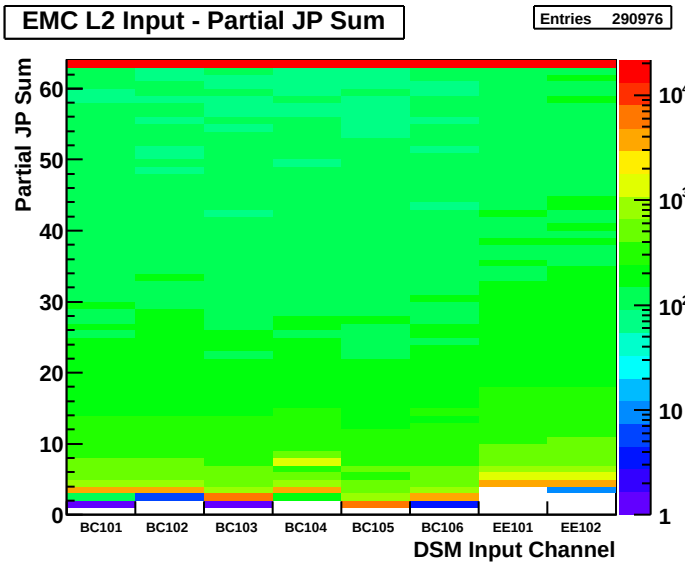

EMC L2 Input - JPX/JPA bits
Entries 283338
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
4655 4523 4704 4752 4440 4746 4490 4590
2501 2455 2403 2411 2307 2413 2378 2435
28156 28033 28546 28340 28445 28798 28039 27778

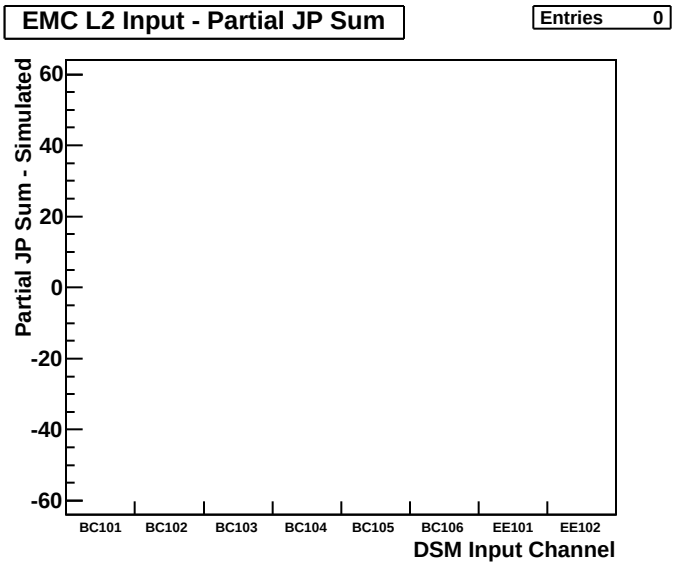

EMC L2 Input - JPY/JPB bits
Entries 290976
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
24630 24616 24650 24423 24355 24495 24404 24819
1524 1490 1582 1590 1516 1597 1511 1574
826 830 847 802 799 810 803 808
9392 9436 9393 9557 9702 9470 9654 9171

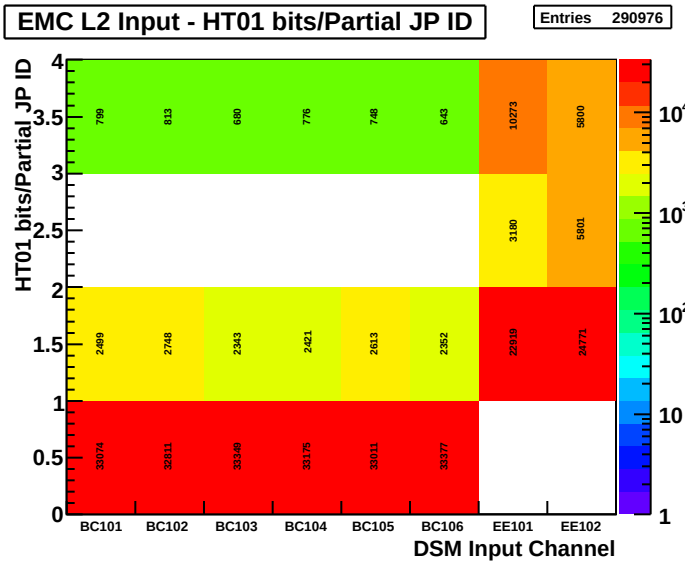

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

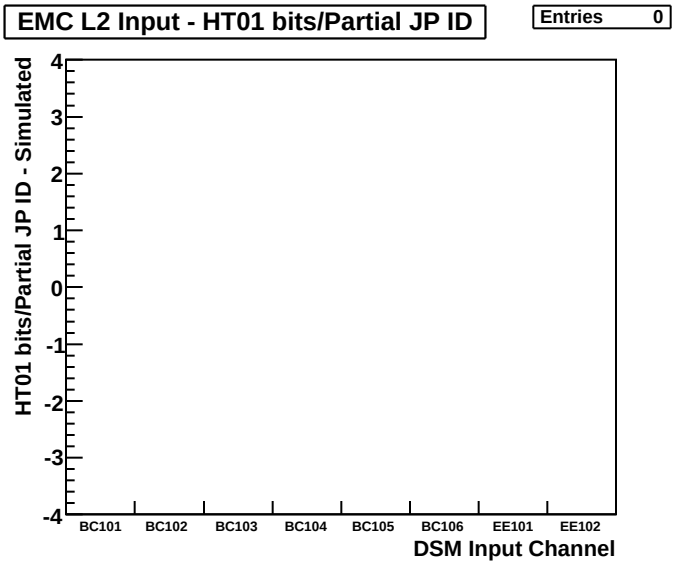

EMC L2 Input - JPZ/JPC bits
Entries 290976
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
24475 24662 24232 24637 24090 24234 24903 24960
1608 1550 1539 1584 1448 1541 1492 1458
804 830 769 818 745 800 809 803
9485 9330 9832 9333 10089 9797 9168 9151

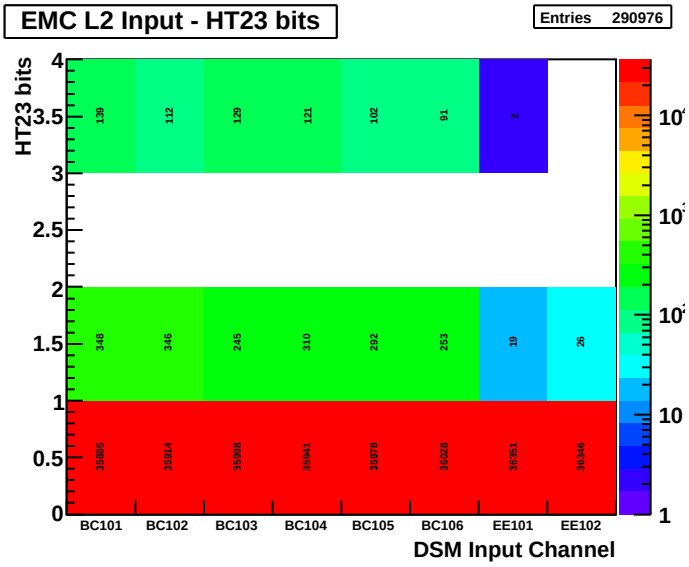

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

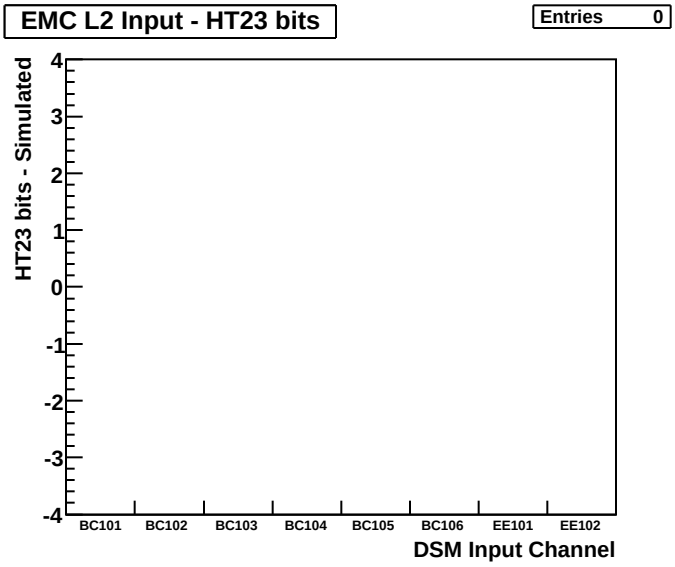

EMC L2 Input - Partial JP Sum
Entries 290976
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

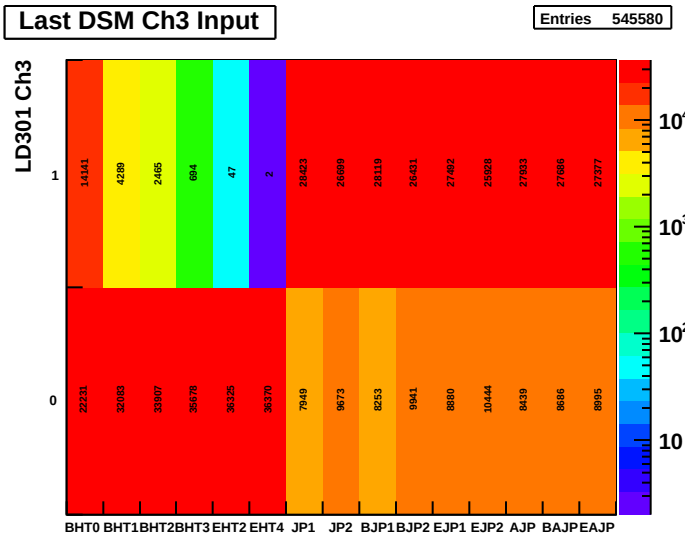

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

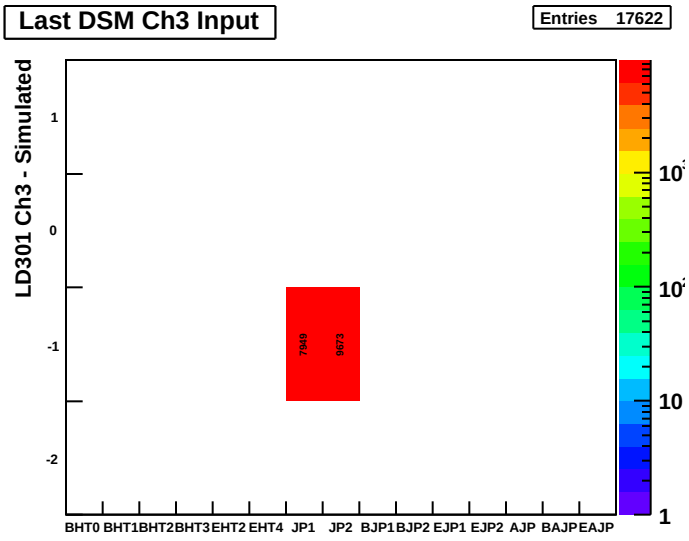

EMC L2 Input - HT01 bits/Partial JP ID
Entries 290976
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

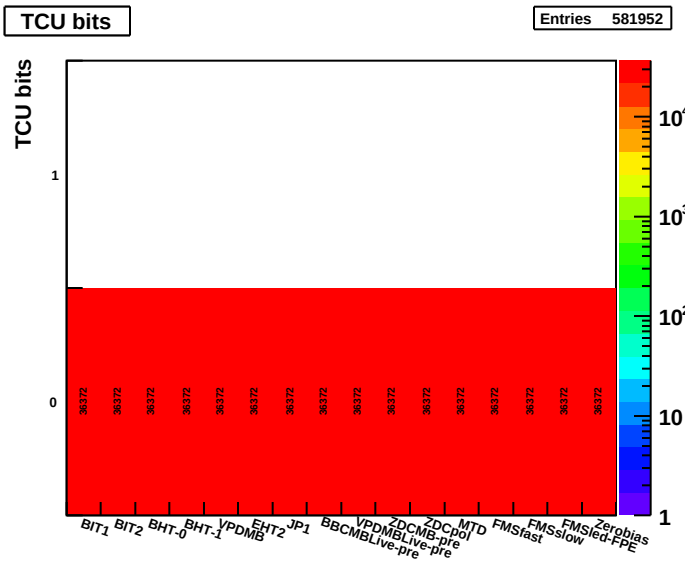

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

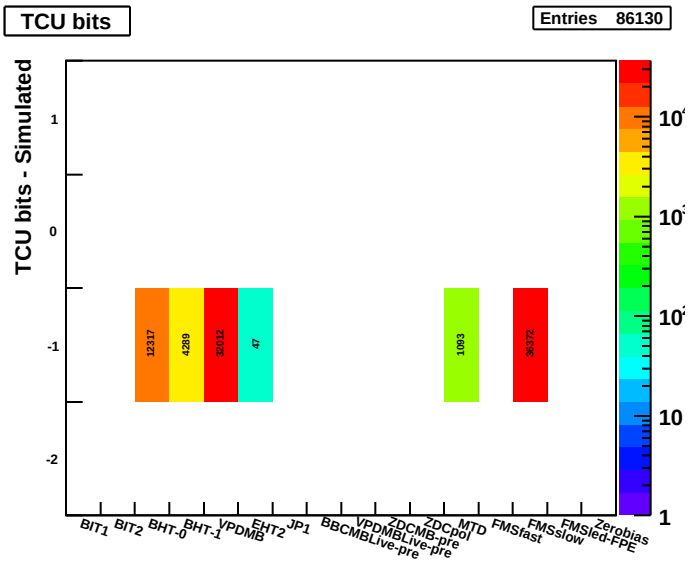

EMC L2 Input - HT23 bits
Entries 290976
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

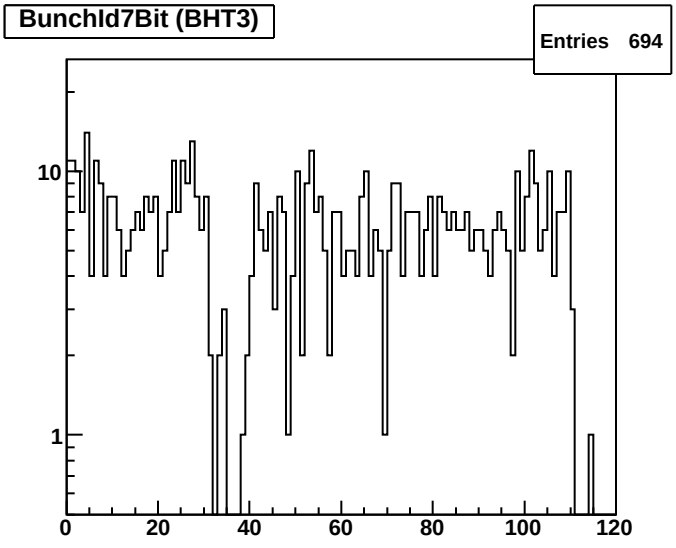

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

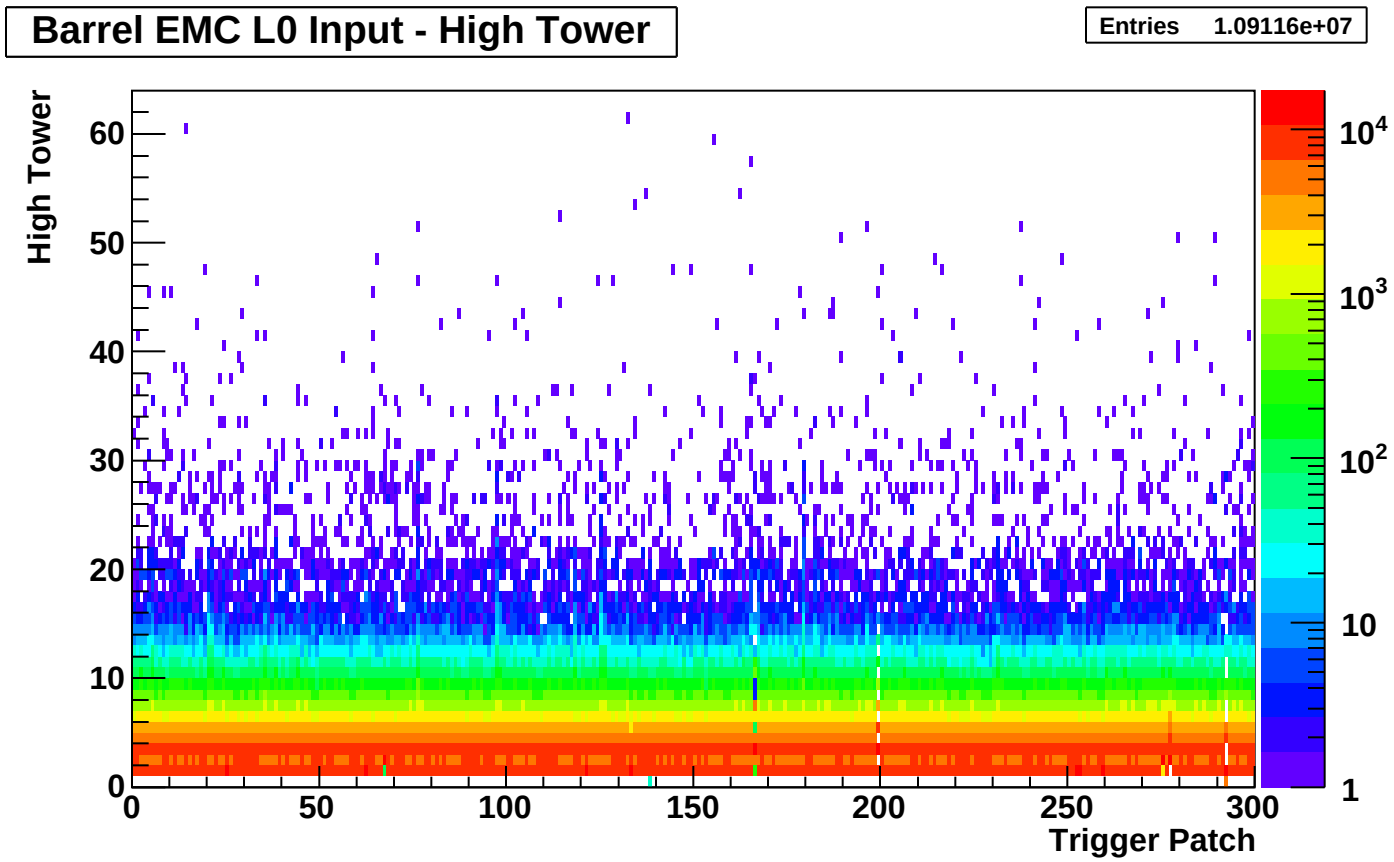

Last DSM Ch3 Input
Entries 545580
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

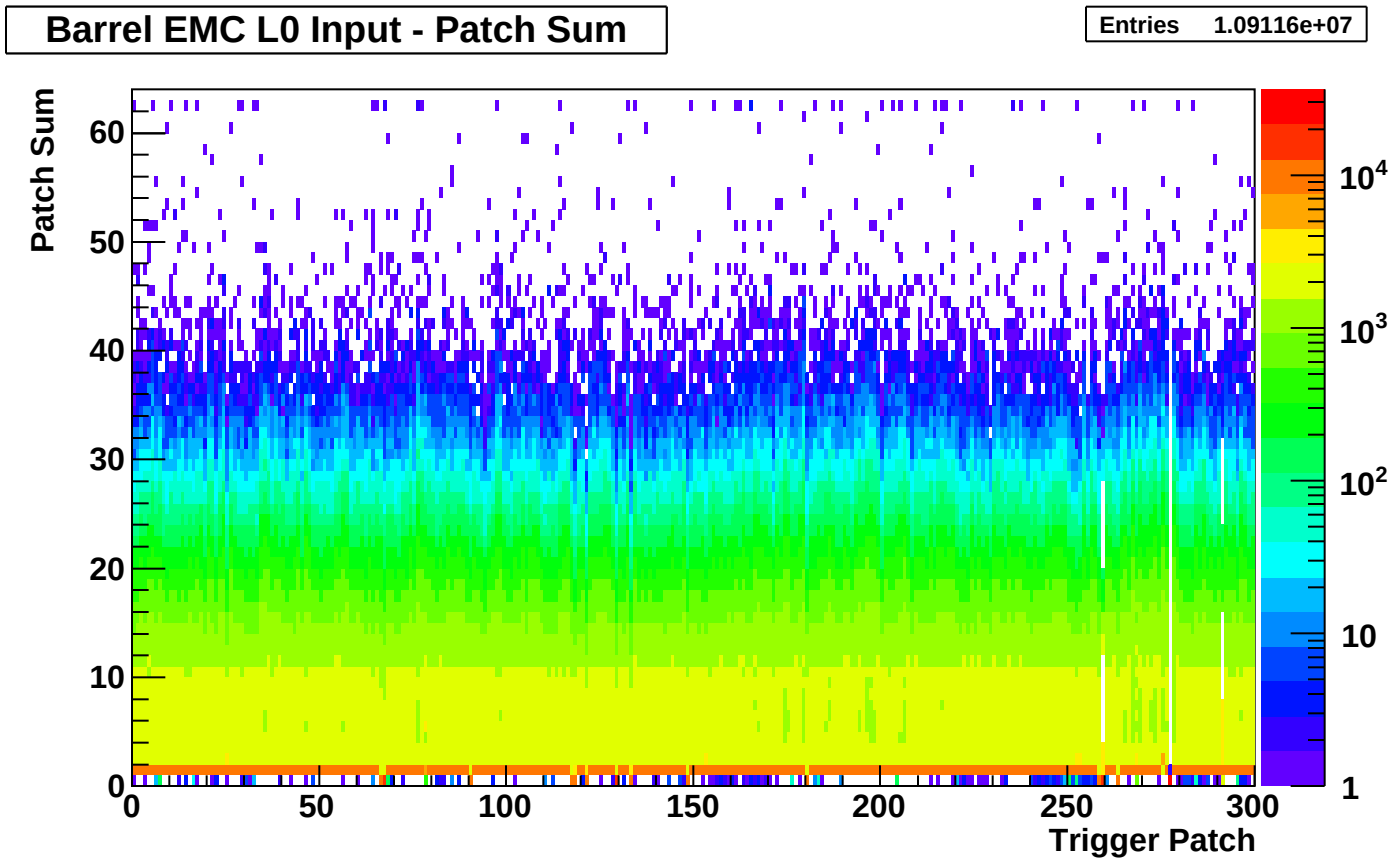

Last DSM Ch3 Input
Entries 17622
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

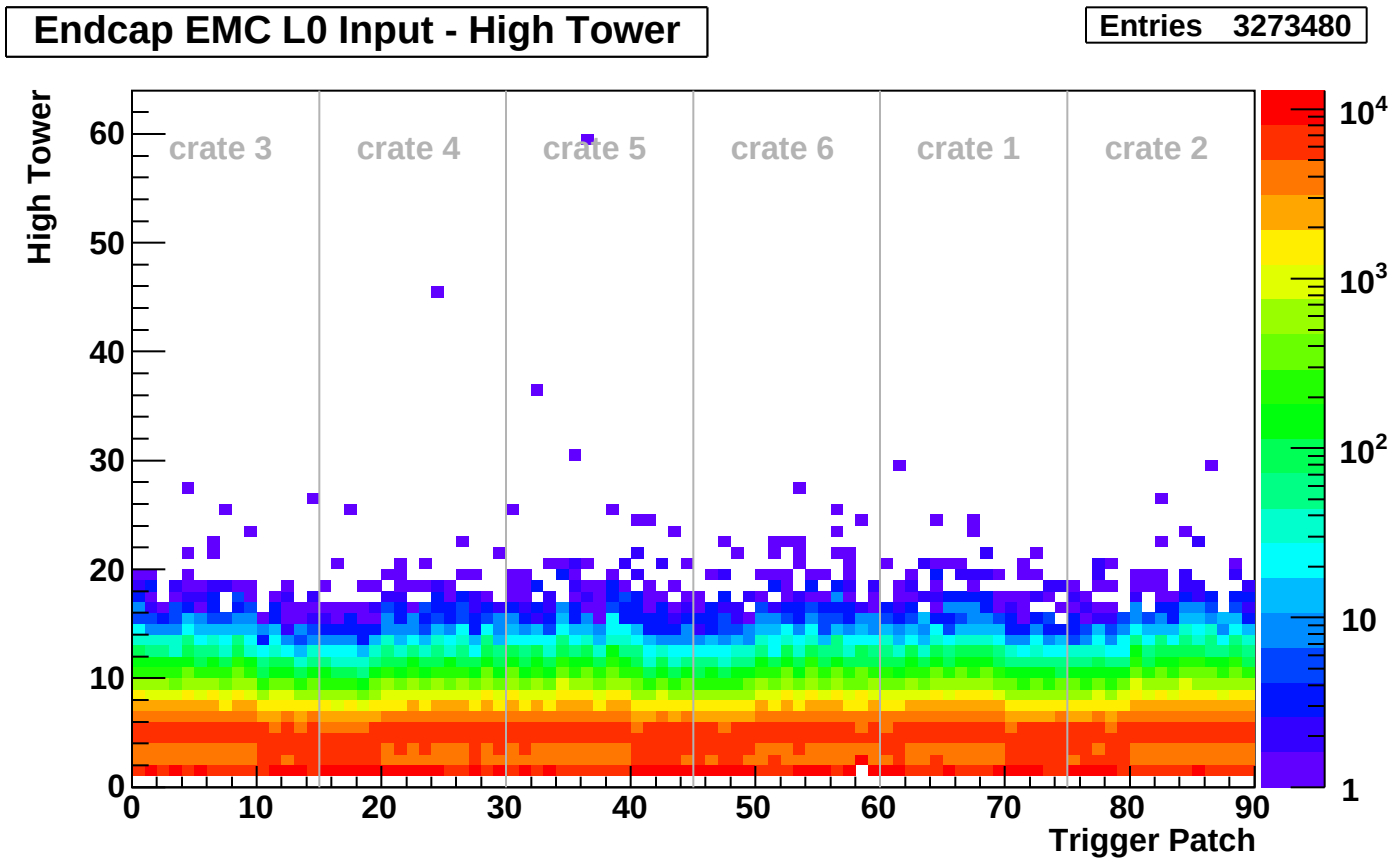

TCU bits
Entries 581952
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

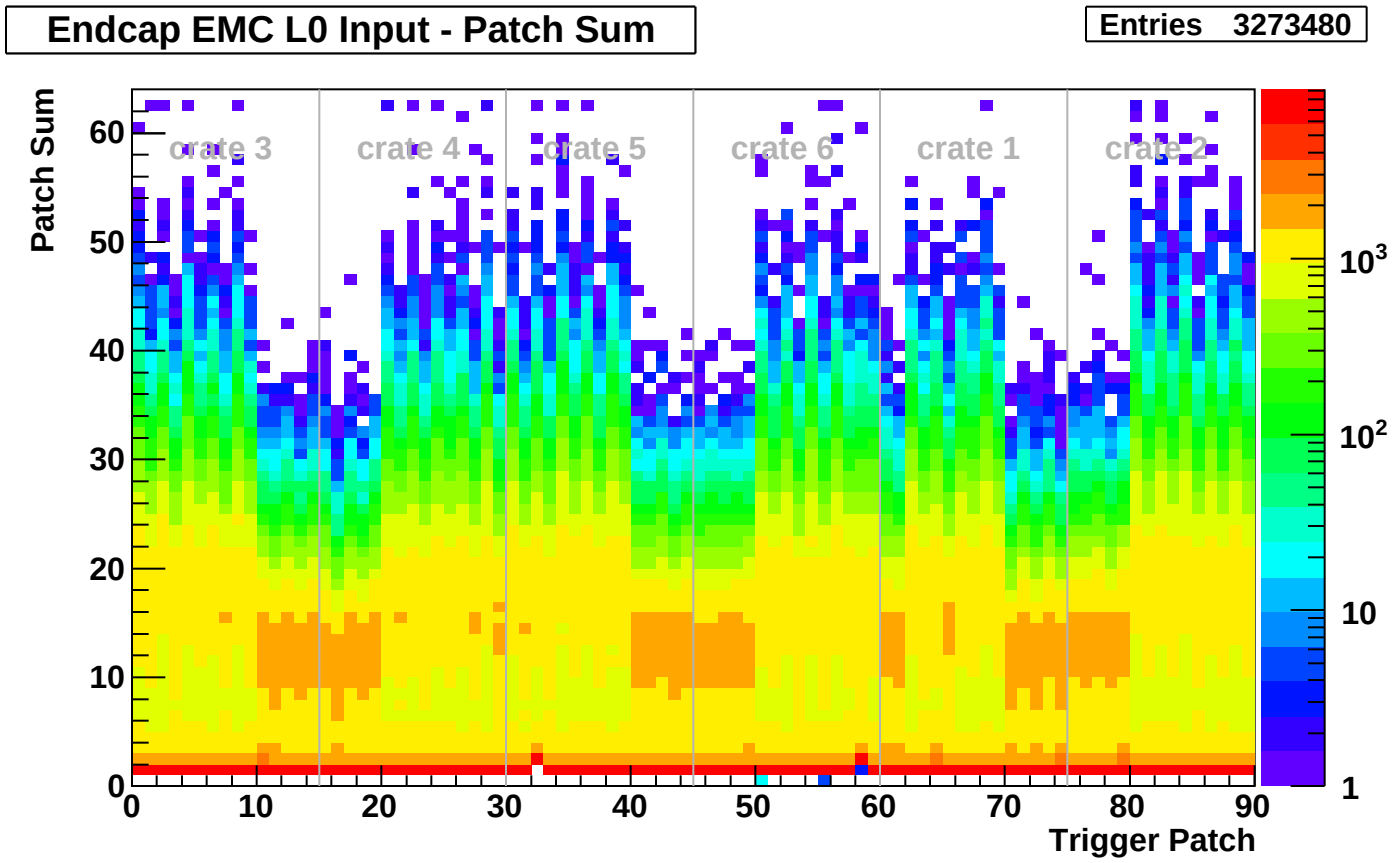

TCU bits
Entries 86130
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

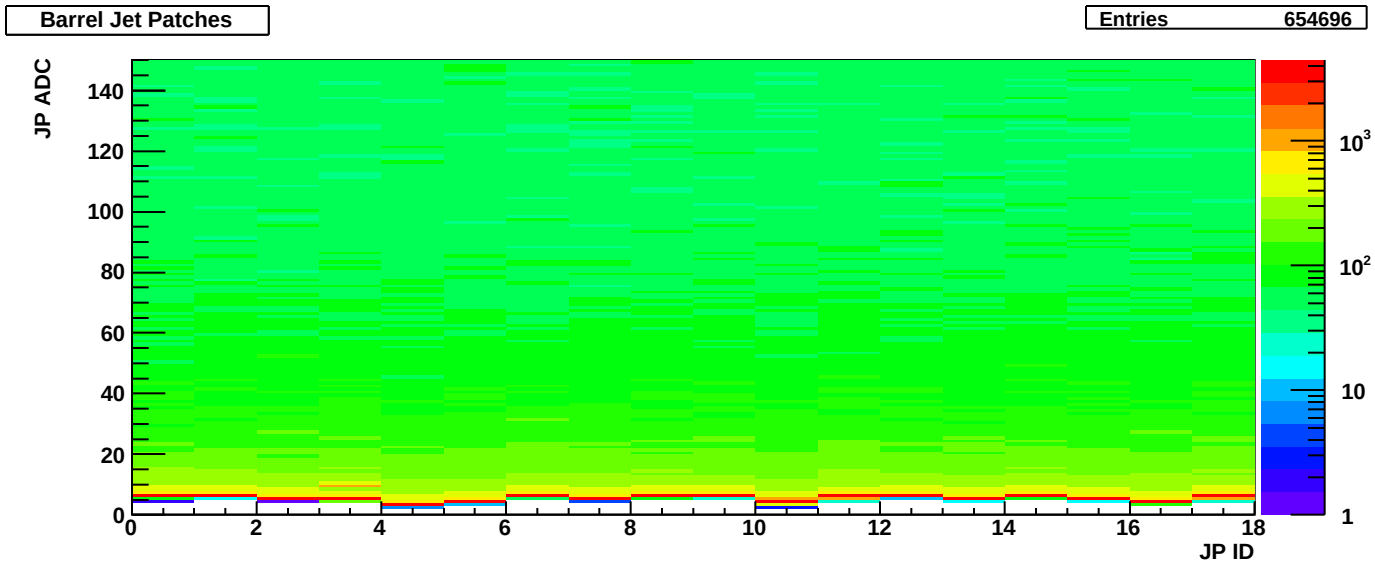

BunchId7Bit (BHT3)
Entries 694

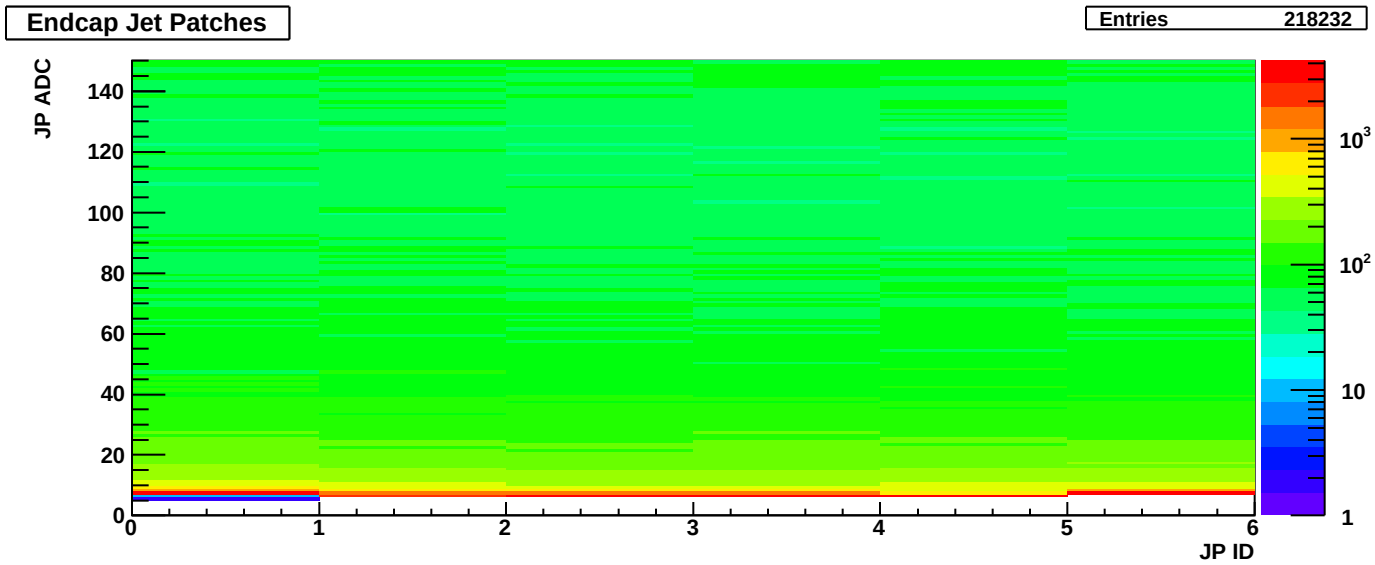

Barrel EMC L0 Input - High Tower
Entries 1.09116e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

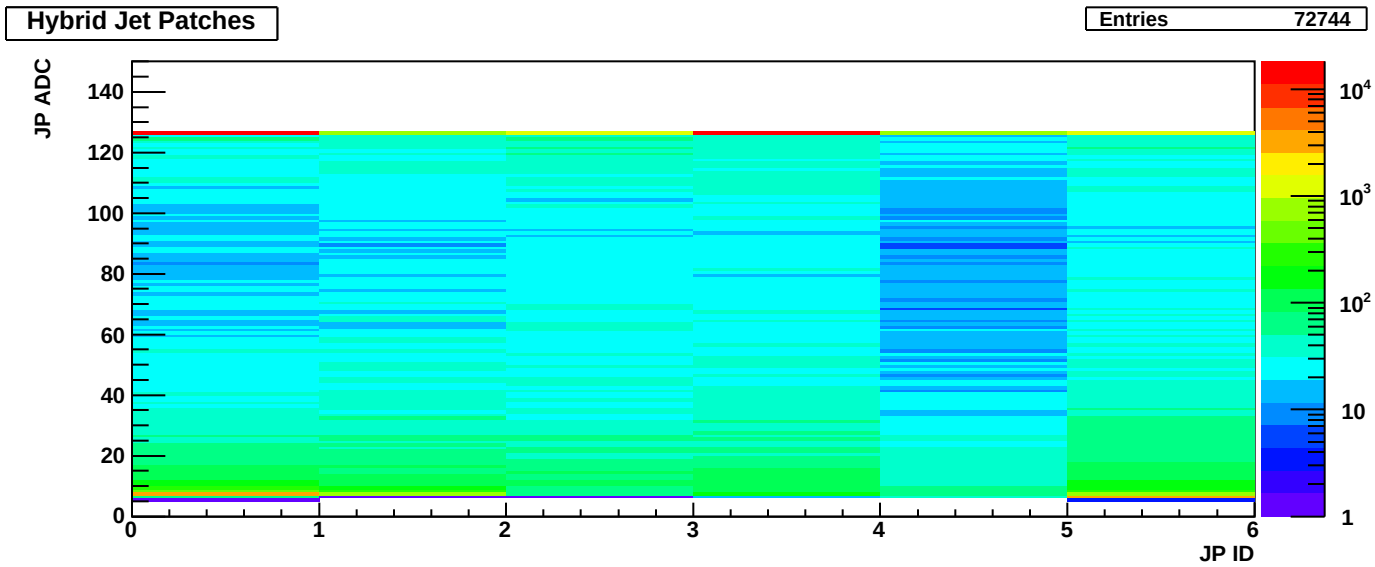

Barrel EMC L0 Input - Patch Sum
Entries 1.09116e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

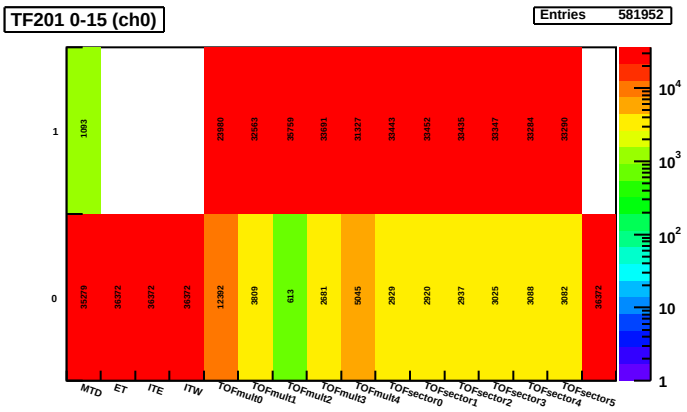

Endcap EMC L0 Input - High Tower
Entries 3273480
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

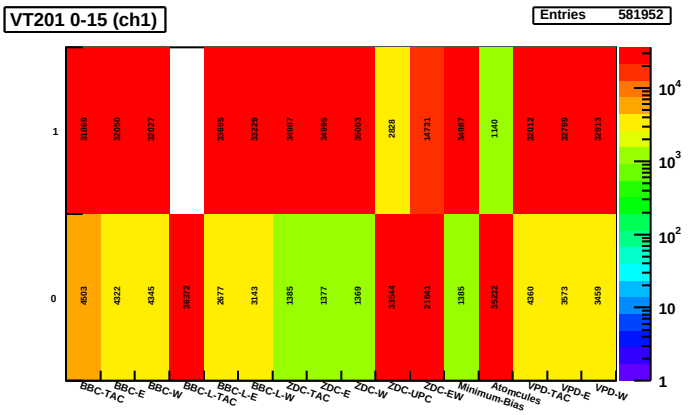

Endcap EMC L0 Input - Patch Sum
Entries 3273480
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

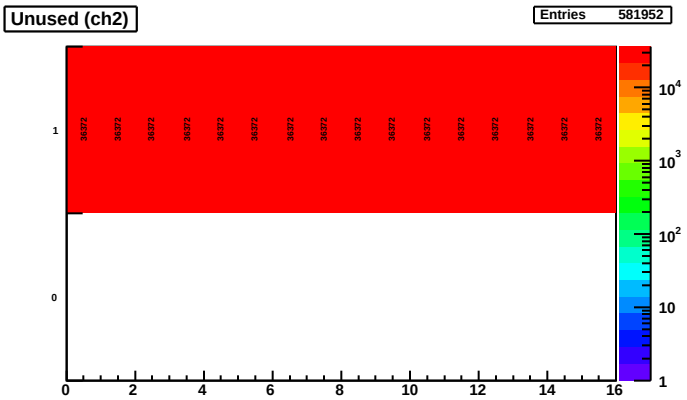

Barrel Jet Patches
Entries 654696
JP ADC
JP ID

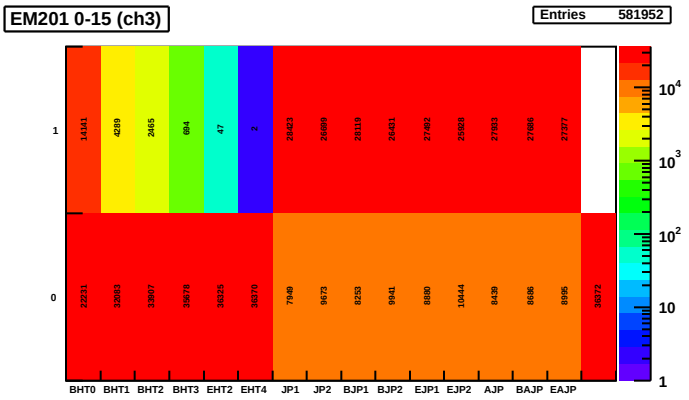

Endcap Jet Patches
Entries 218232
JP ADC
JP ID

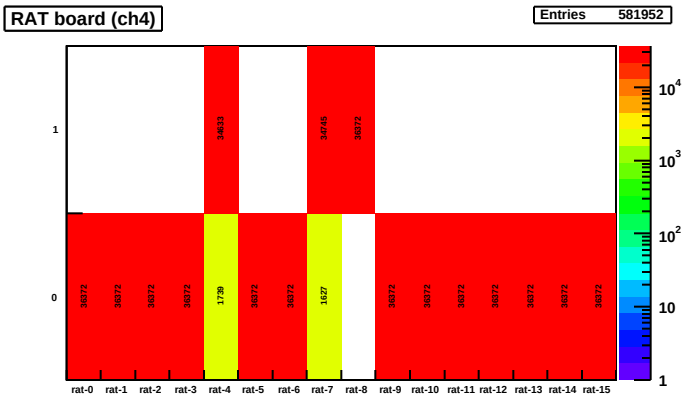

Hybrid Jet Patches
Entries 72744
JP ADC
JP ID

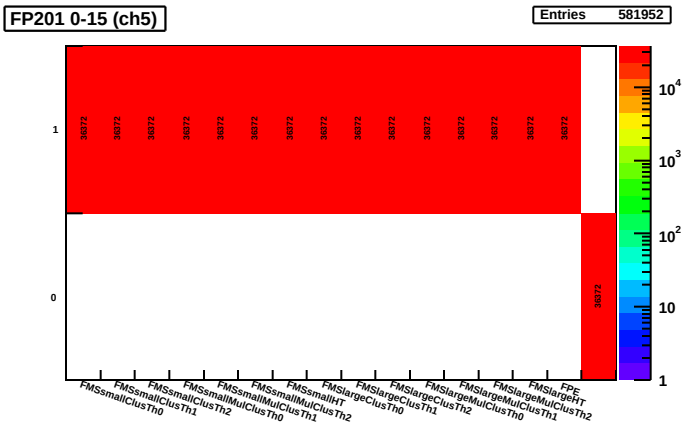

TF201 0-15 (ch0)
Entries 581952
1083
23980 32563 35759 35691 31327 33443 33452 33435 33347 33284 33290
35279 36372 36372 36372 12392 3809 613 2681 5045 2929 2920 2937 3025 3088 3082 36372
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

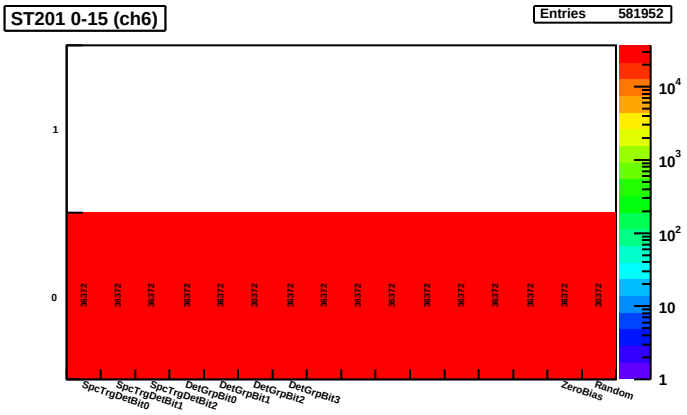

VT201 0-15 (ch1)
Entries 581952
31869 32050 32027 33685 33229 34987 34995 35003 2828 14731 34987 1140 33012 32799 32913
4503 4322 4345 36372 2677 3143 1385 1377 1369 33944 21941 1385 35222 4360 3573 3459
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W


Unused (ch2)
Entries 581952
36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372


EM201 0-15 (ch3)
Entries 581952
14141 4289 2465 694 47 2 23423 25690 23119 25431 27492 25928 27693 27686 27377
22231 32083 33907 35678 36325 36370 7949 9673 8253 9941 8880 10444 8439 8686 8995 36372
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP


RAT board (ch4)
Entries 581952
34533 34745 36372
36372 36372 36372 36372 1739 36372 36372 1627 36372 36372 36372 36372 36372 36372 36372
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 581952
36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372 36372
36372
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE


ST201 0-15 (ch6)
Entries 581952
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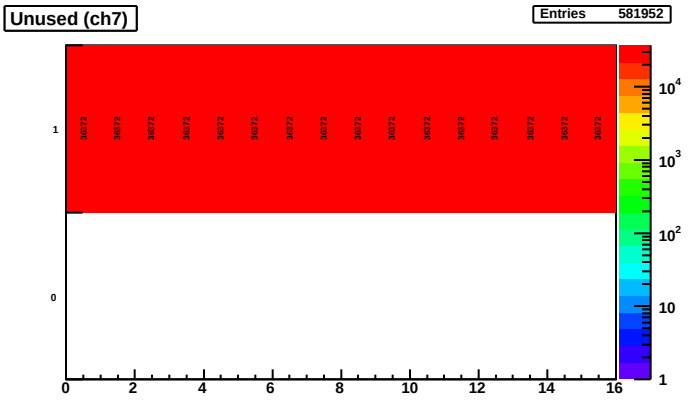
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random


Unused (ch7)
Entries 581952
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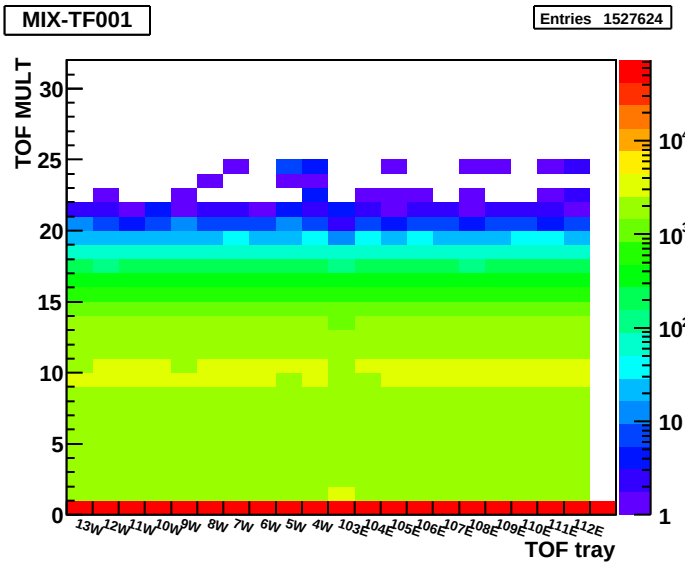
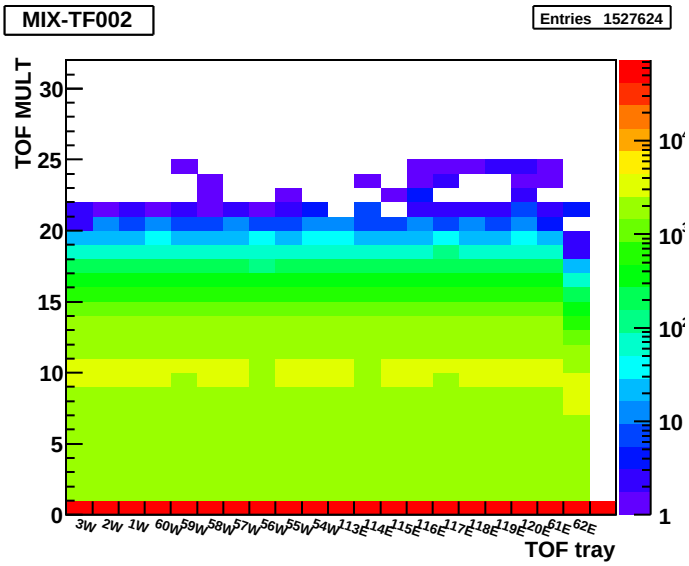
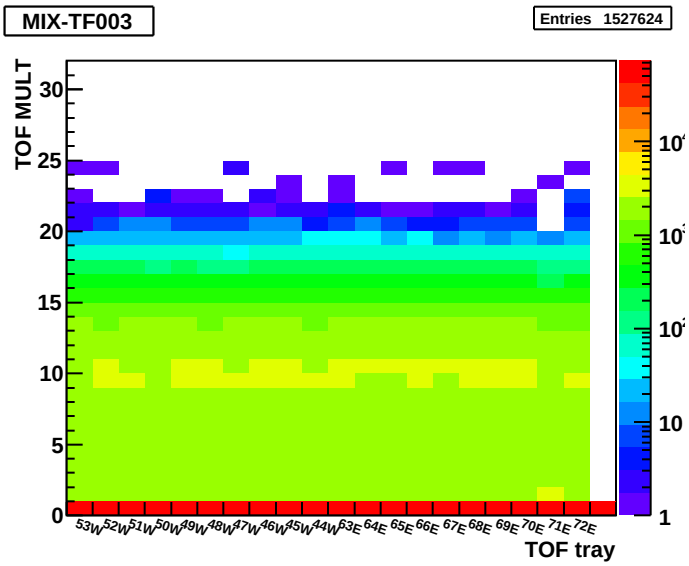
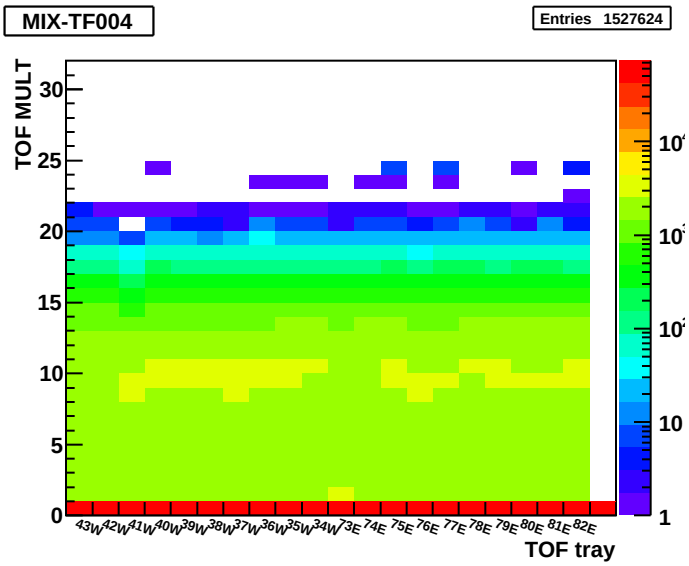
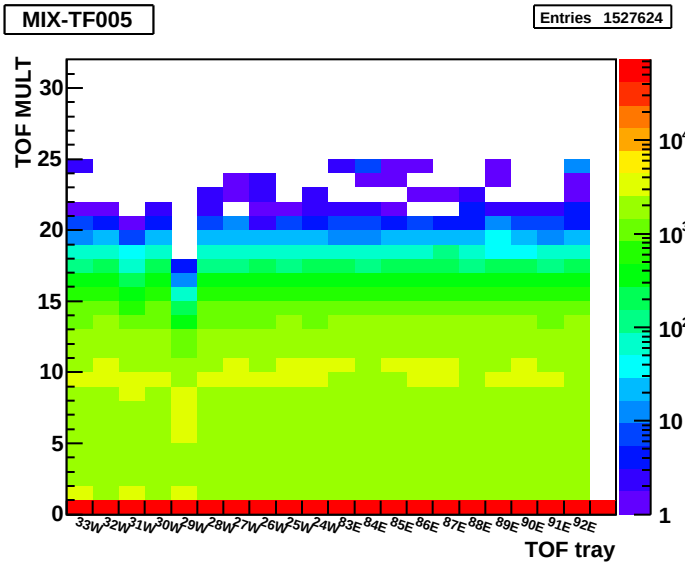
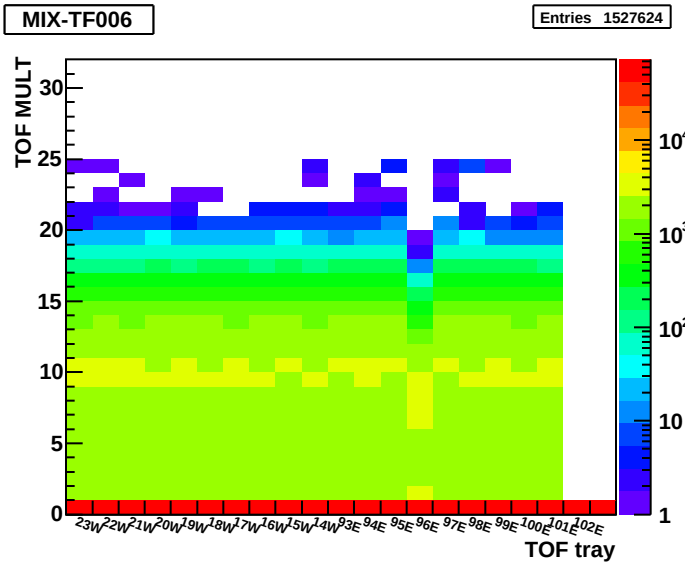

MIX-TF001
Entries 1527624
TOF MULT
TOF tray

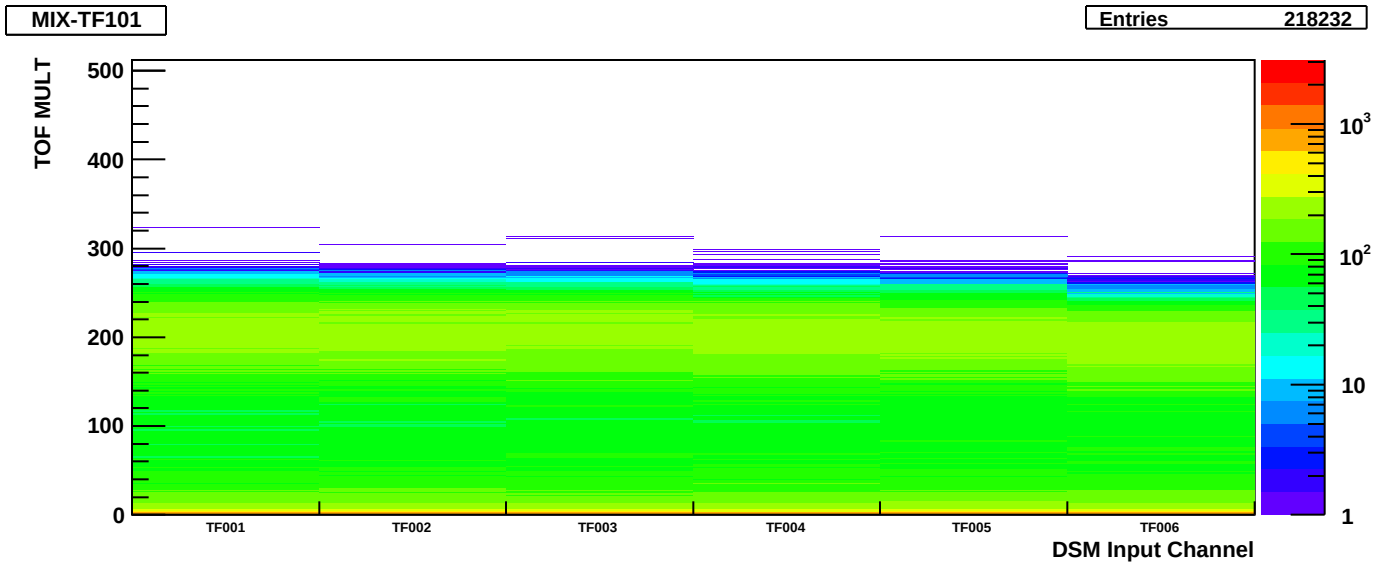

MIX-TF002
Entries 1527624
TOF MULT
TOF tray

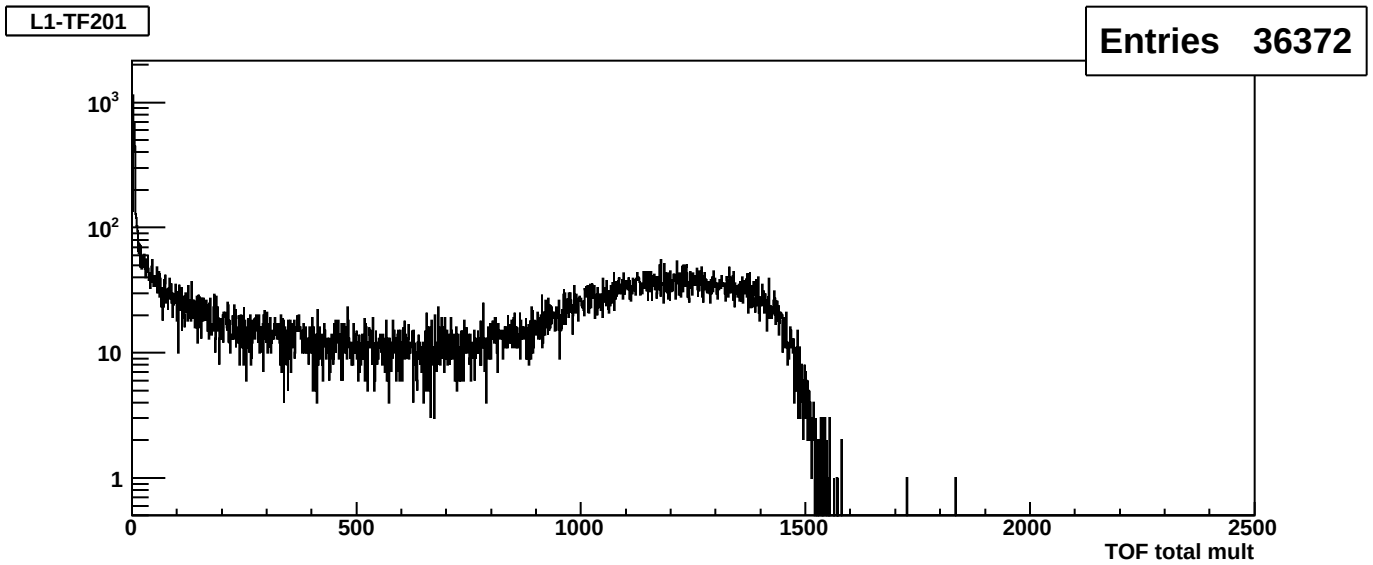

MIX-TF003
Entries 1527624
TOF MULT
TOF tray

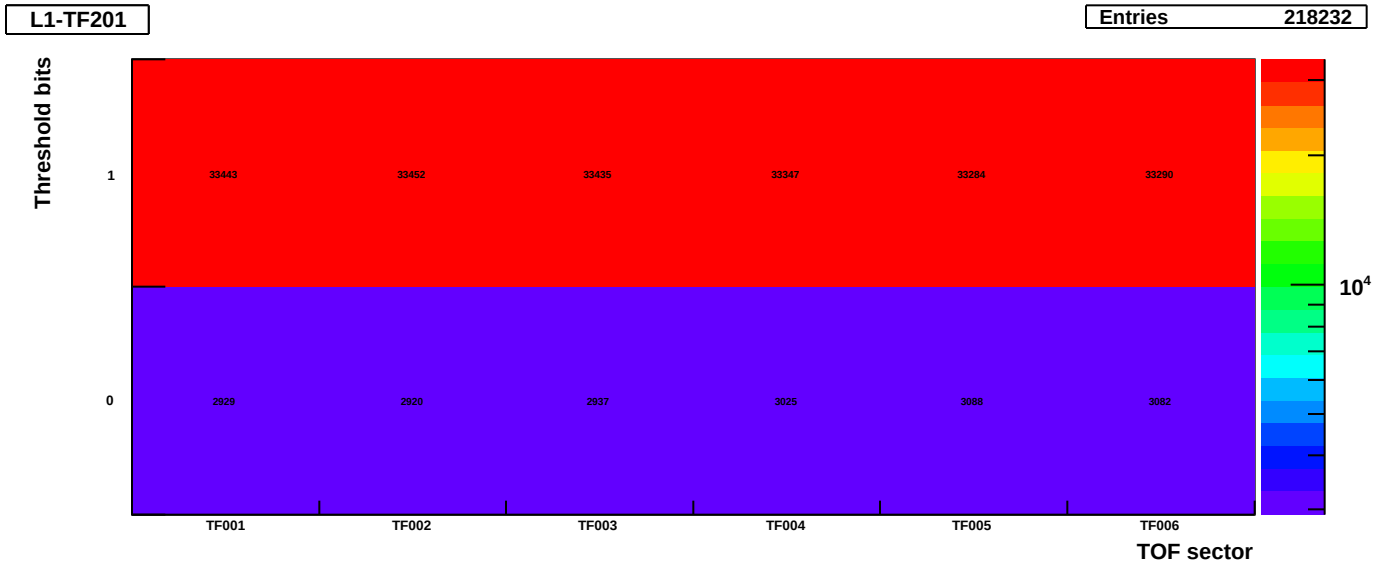

MIX-TF004
Entries 1527624
TOF MULT
TOF tray

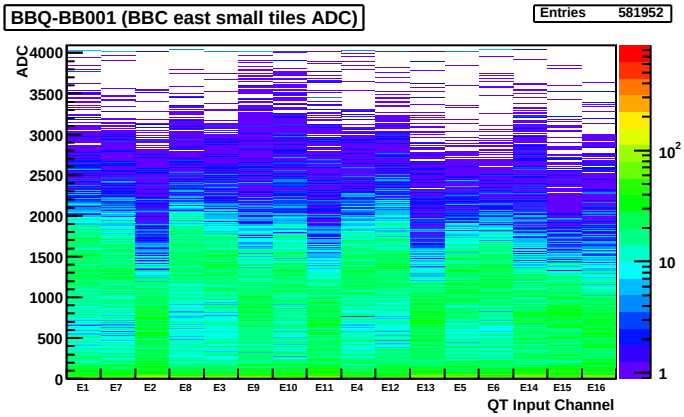

MIX-TF005
Entries 1527624
TOF MULT
TOF tray

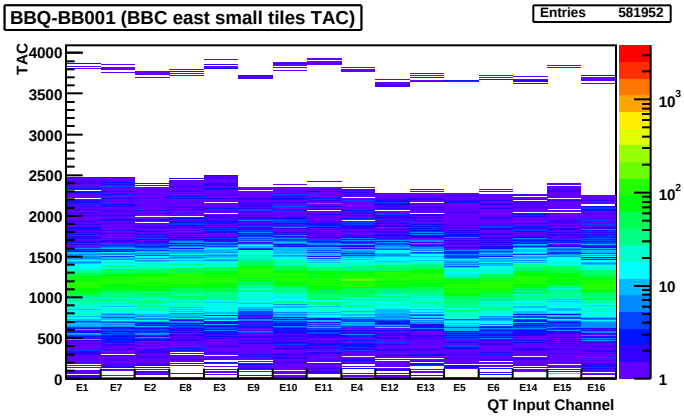

MIX-TF006
Entries 1527624
TOF MULT
TOF tray

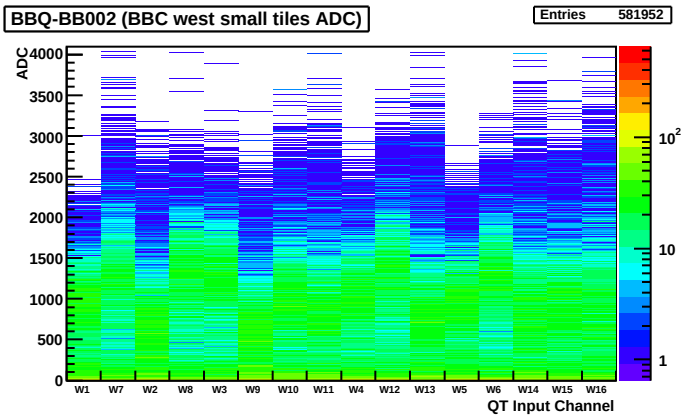

MIX-TF101
Entries 218232
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

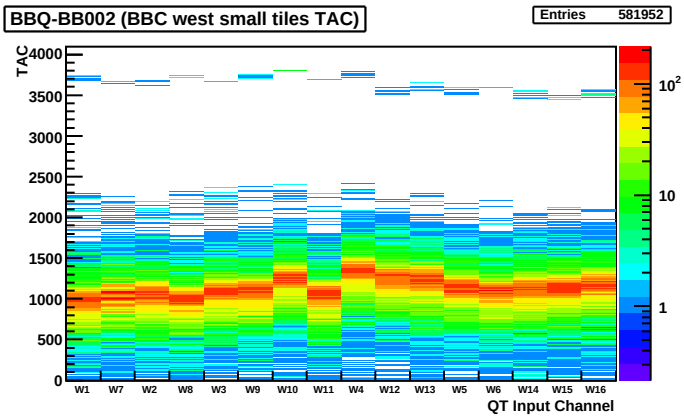

L1-TF201
Entries 36372
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

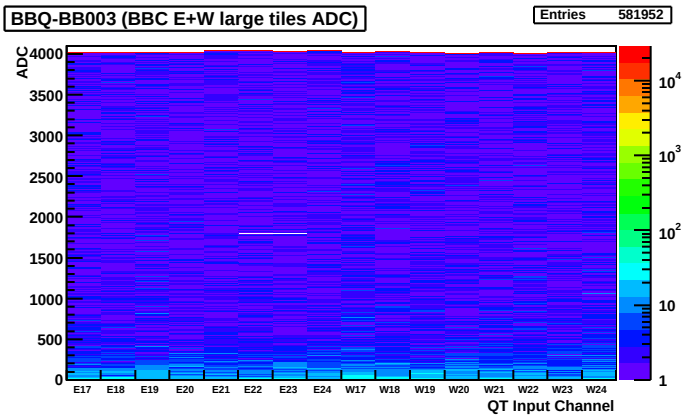

L1-TF201
Entries 218232
Threshold bits
1
0
33443
33452
33435
33347
33284
33290
2929
2920
2937
3025
3088
3082
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

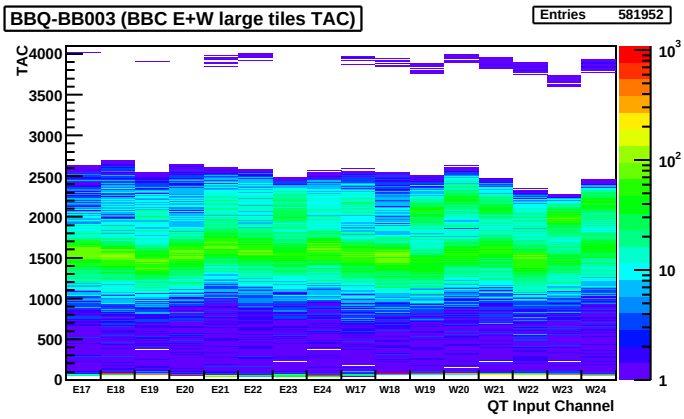

BBQ-BB001 (BBC east small tiles ADC)
Entries 581952
ADC
QT Input Channel

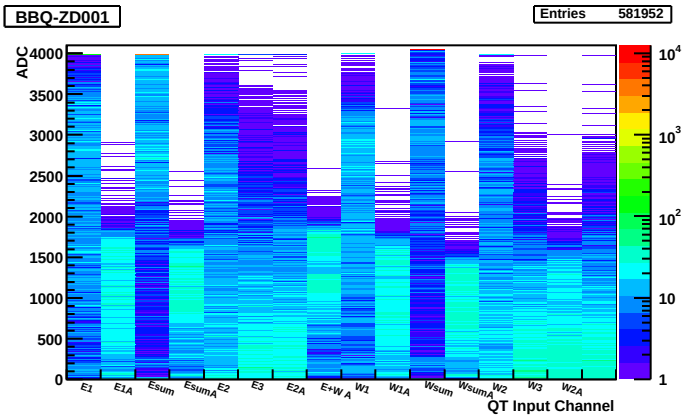

BBQ-BB001 (BBC east small tiles TAC)
Entries 581952
TAC
QT Input Channel

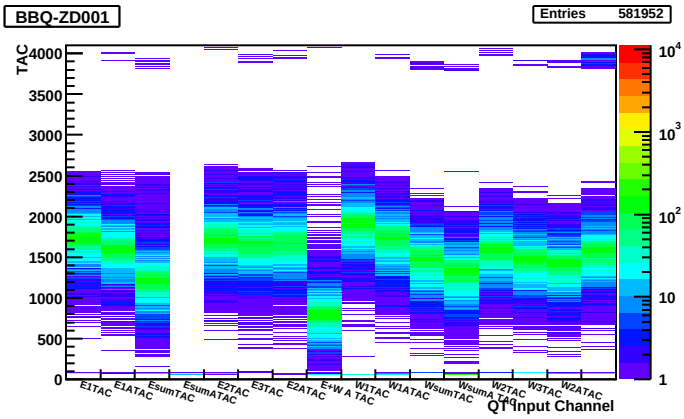

BBQ-BB002 (BBC west small tiles ADC)
Entries 581952
ADC
QT Input Channel

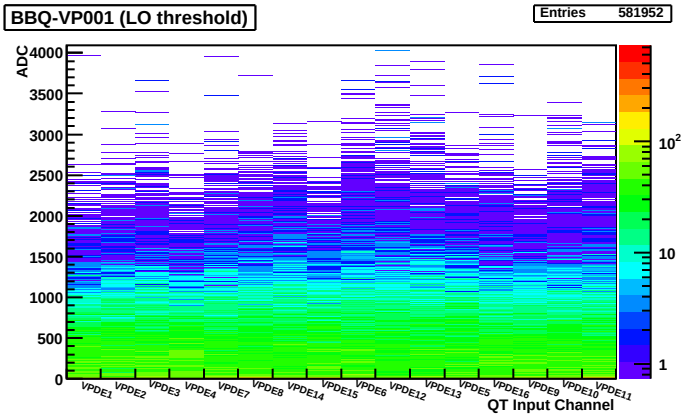

BBQ-BB002 (BBC west small tiles TAC)
Entries 581952
TAC
QT Input Channel

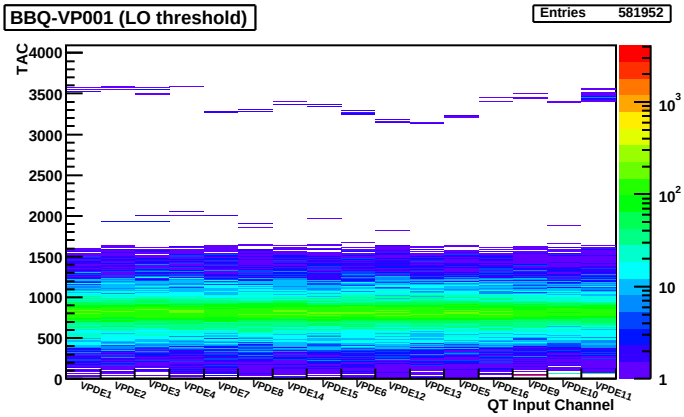

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 581952
ADC
QT Input Channel

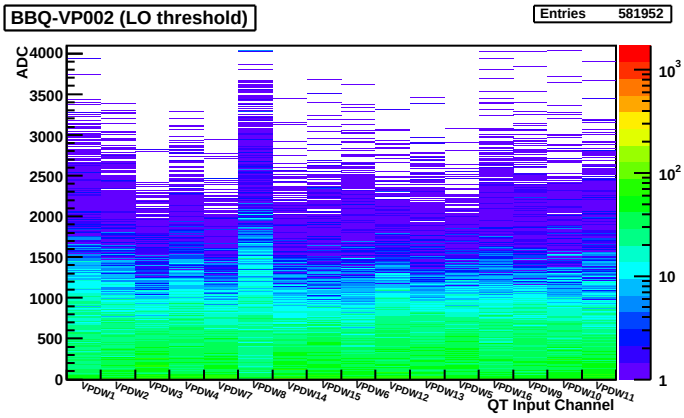

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 581952
TAC
QT Input Channel

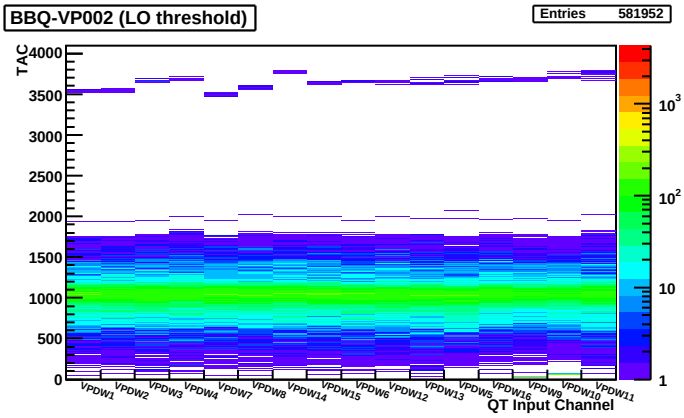

BBQ-ZD001
Entries 581952
ADC
QT Input Channel

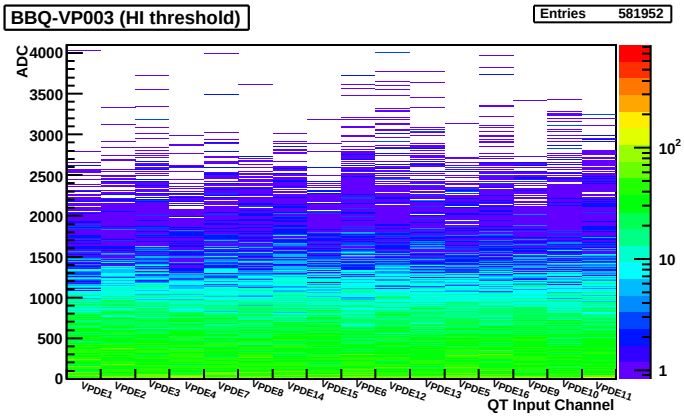

BBQ-ZD001
Entries 581952
TAC
QT Input Channel

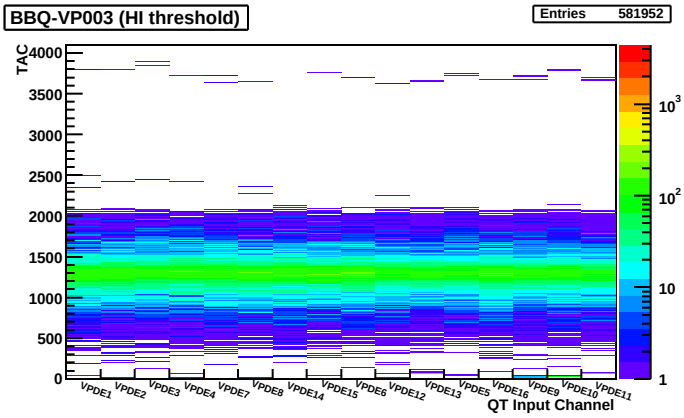

BBQ-VP001 (LO threshold)
Entries 581952
ADC
QT Input Channel

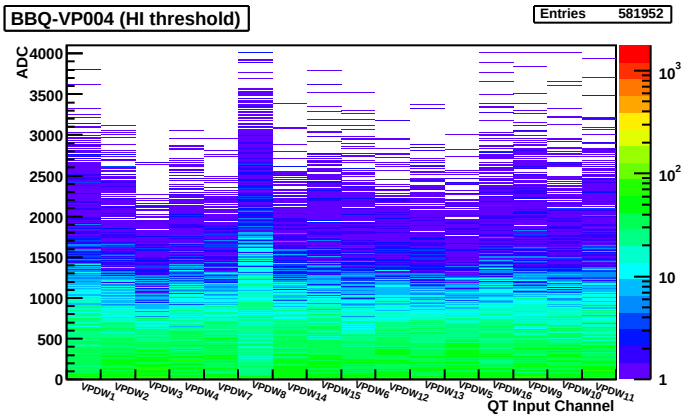

BBQ-VP001 (LO threshold)
Entries 581952
TAC
QT Input Channel

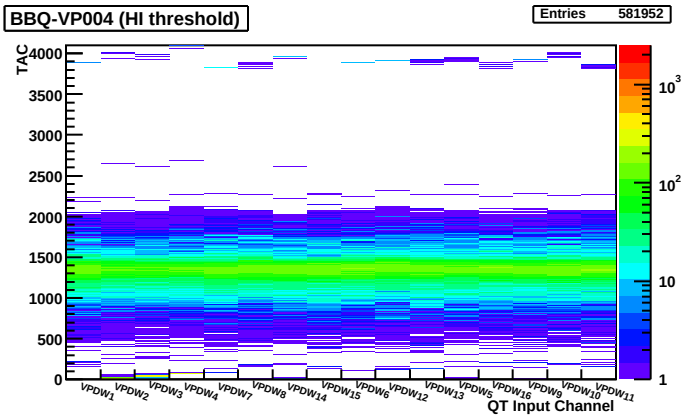

BBQ-VP002 (LO threshold)
Entries 581952
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 581952
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 581952
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 581952
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 581952
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 581952
TAC
QT Input Channel