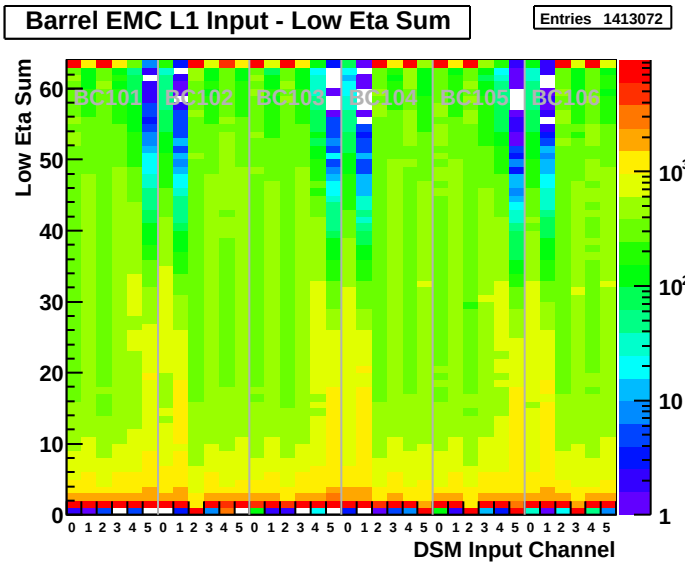
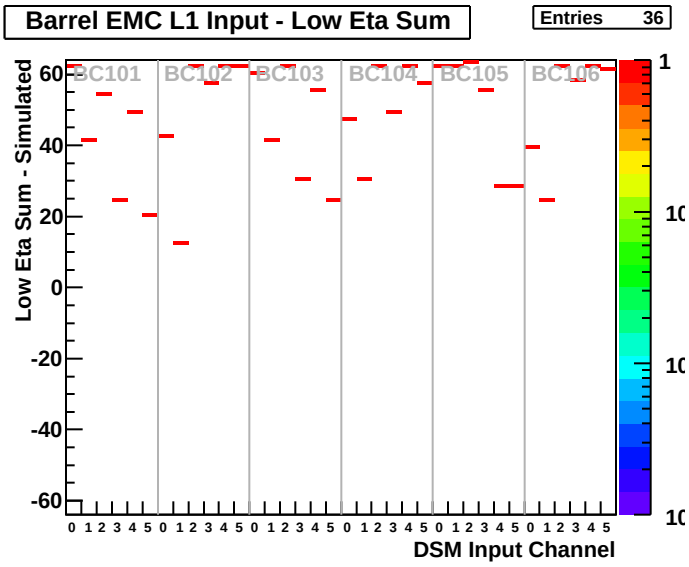
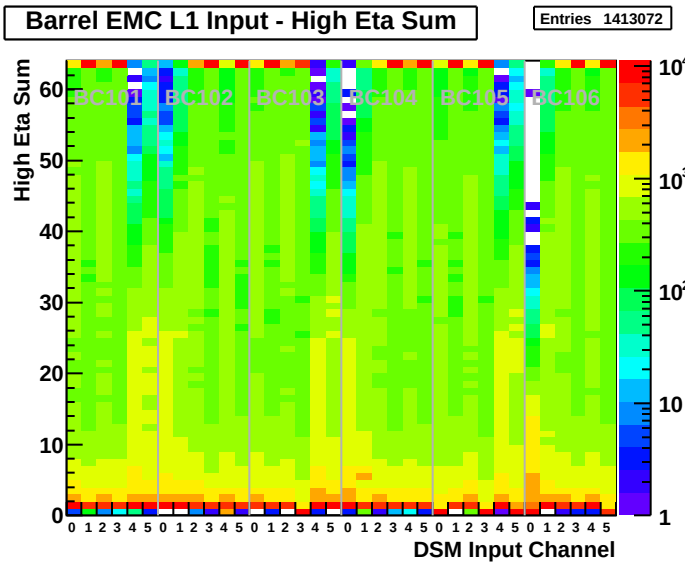
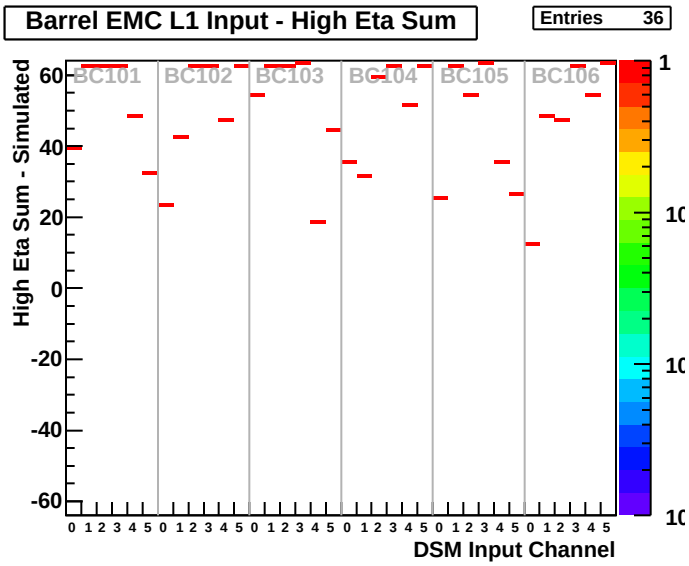
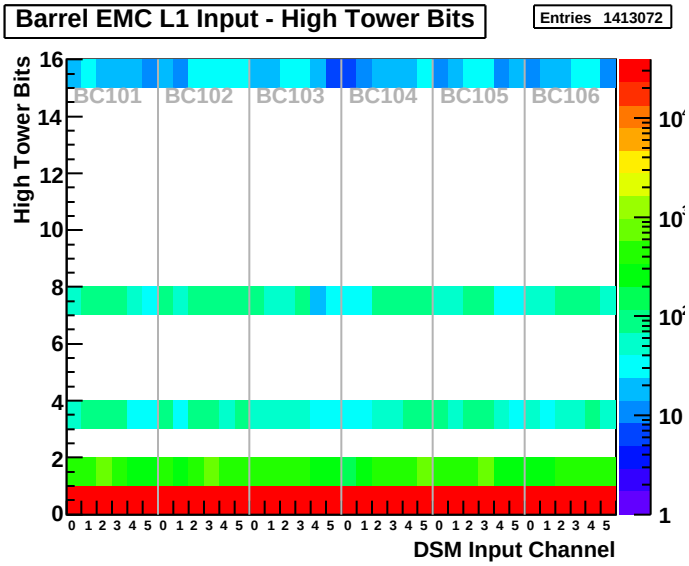
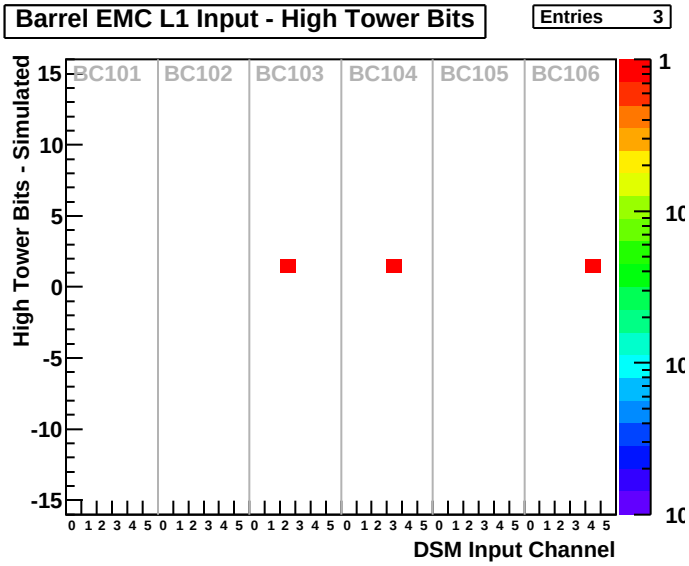

Barrel EMC L1 Input - Low Eta Sum
Entries 1413072
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

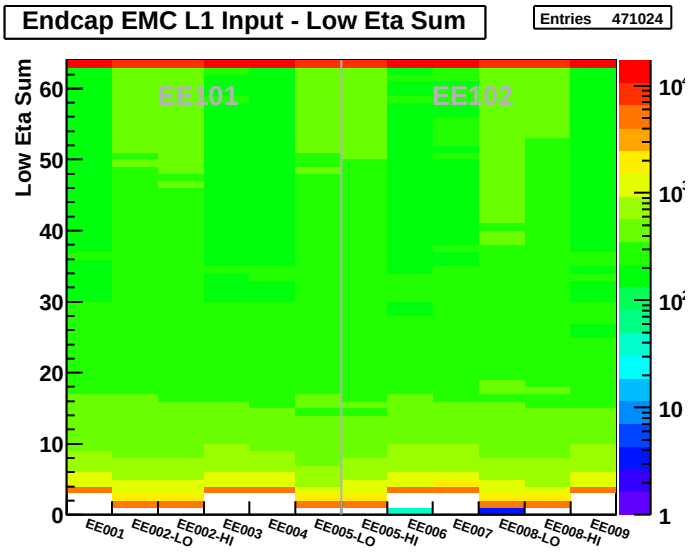

Barrel EMC L1 Input - Low Eta Sum
Entries 36
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

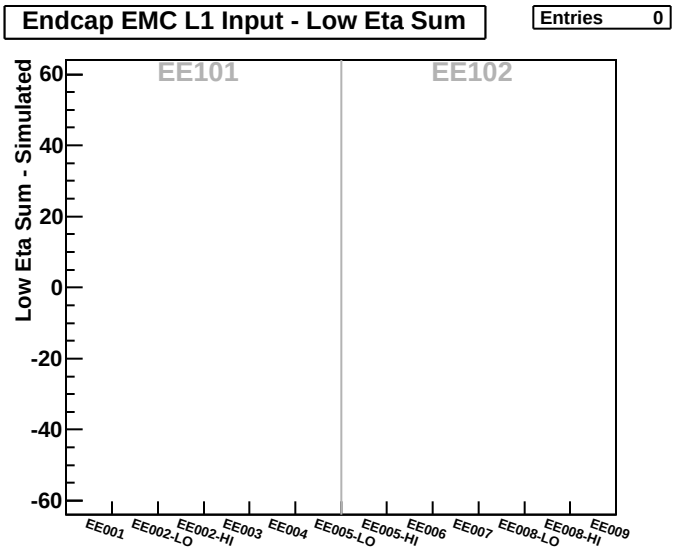

Barrel EMC L1 Input - High Eta Sum
Entries 1413072
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

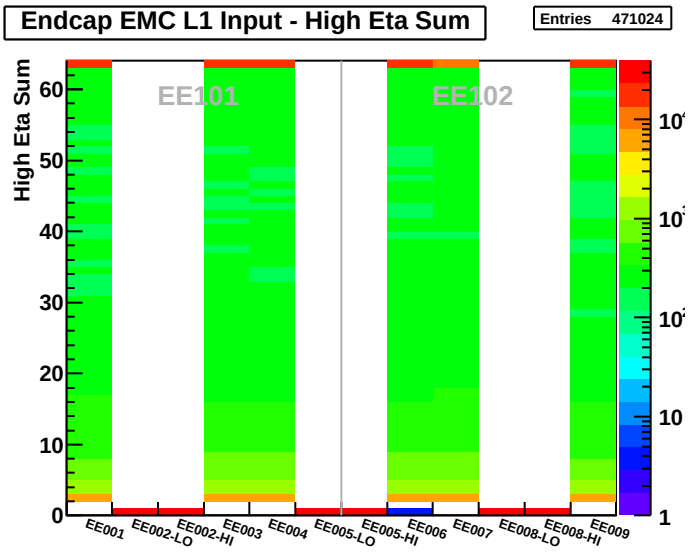

Barrel EMC L1 Input - High Eta Sum
Entries 36
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

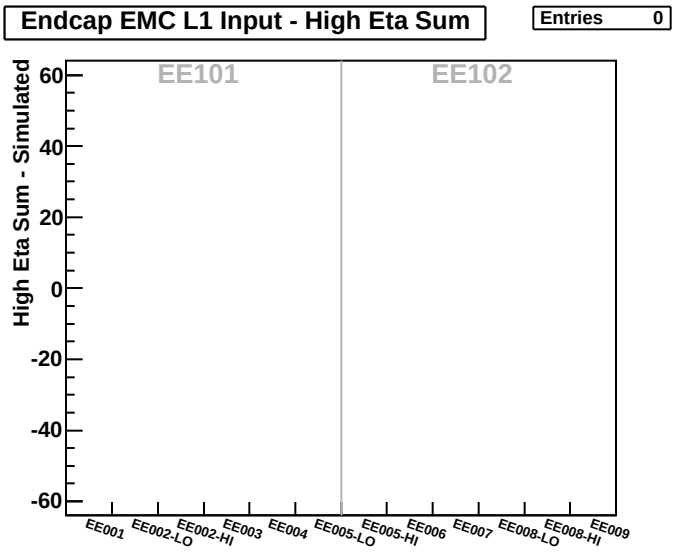

Barrel EMC L1 Input - High Tower Bits
Entries 1413072
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

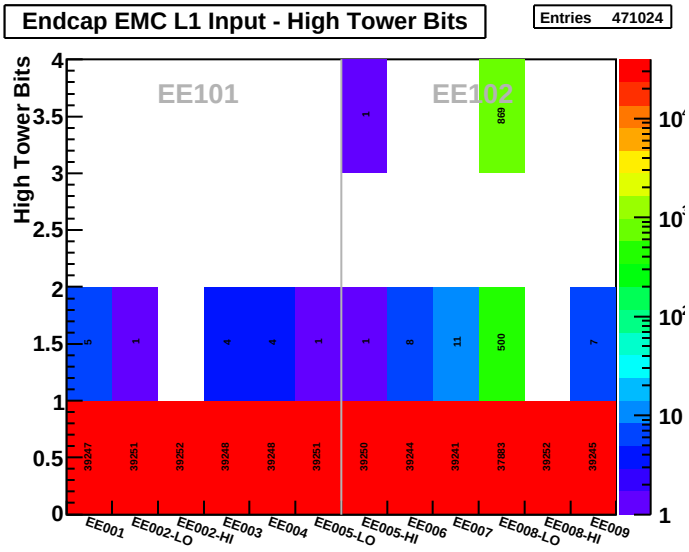

Barrel EMC L1 Input - High Tower Bits
Entries 3
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

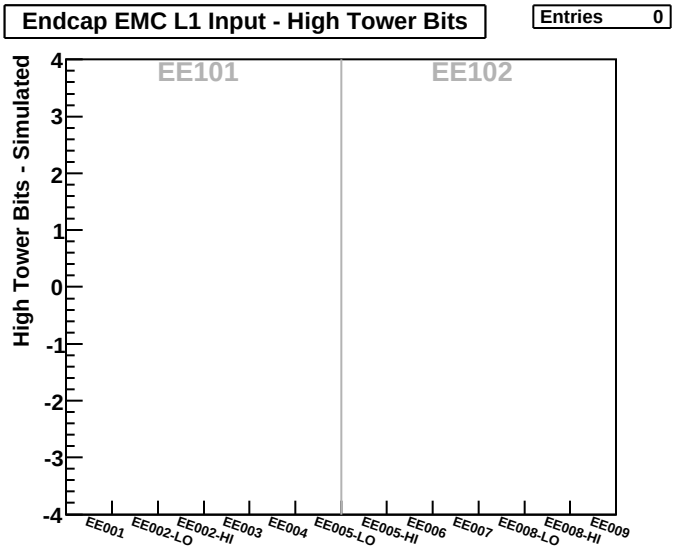

Endcap EMC L1 Input - Low Eta Sum
Entries 471024
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

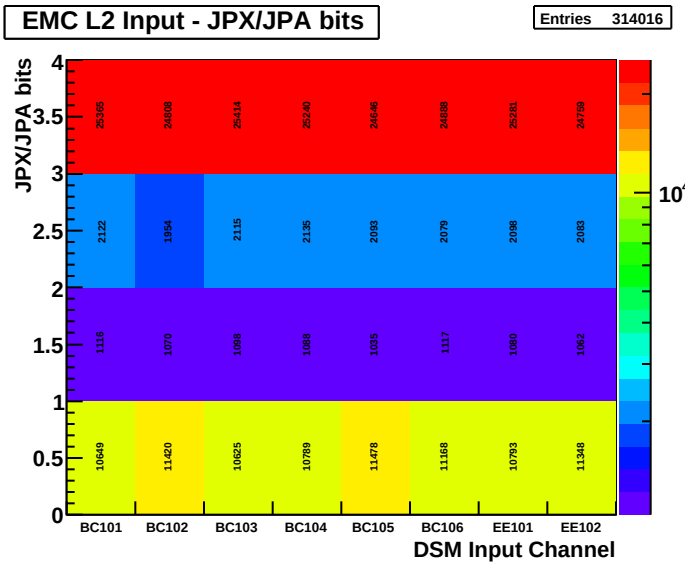

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

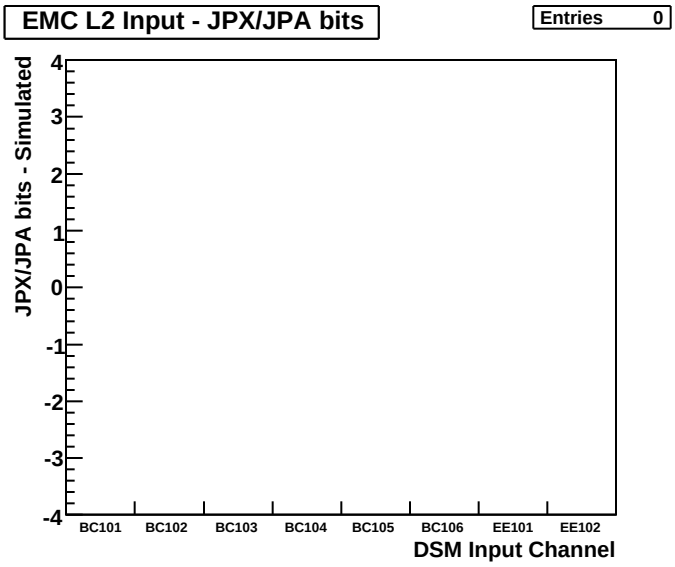

Endcap EMC L1 Input - High Eta Sum
Entries 471024
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

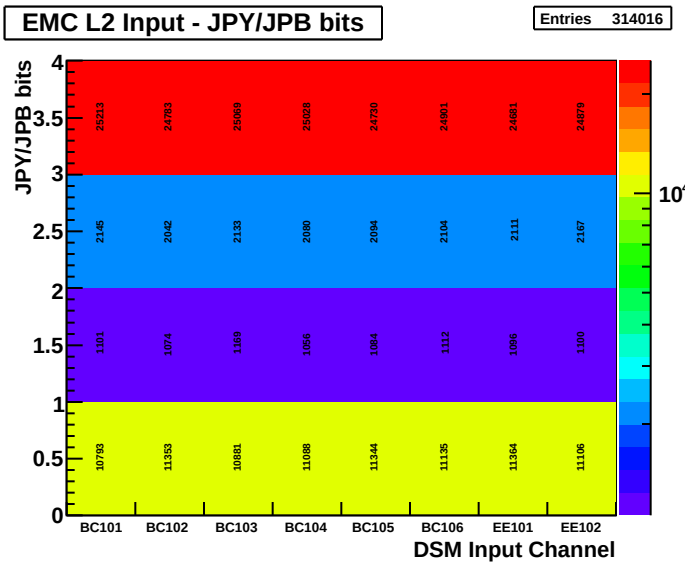

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

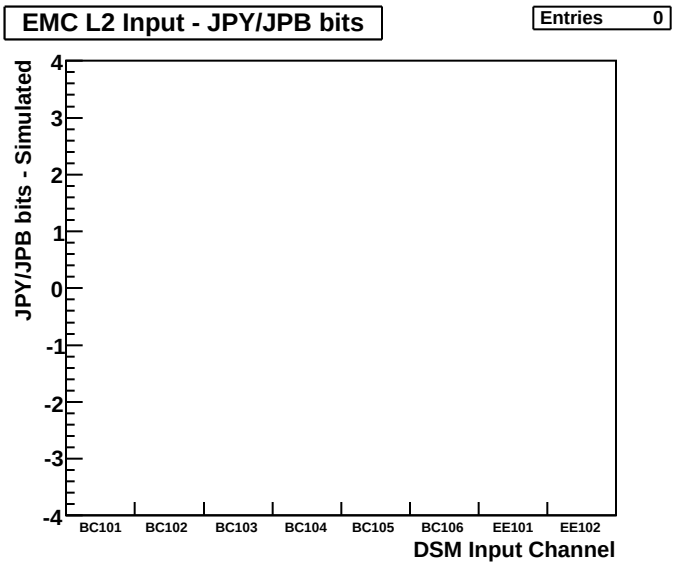

Endcap EMC L1 Input - High Tower Bits
Entries 471024
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

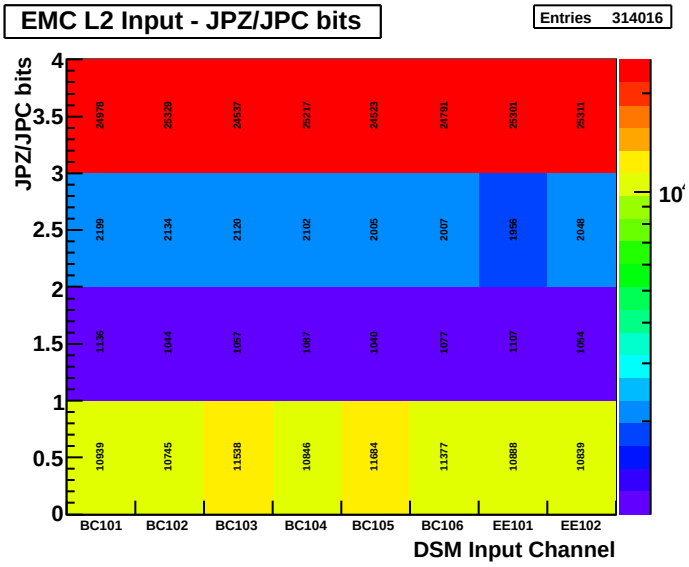

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

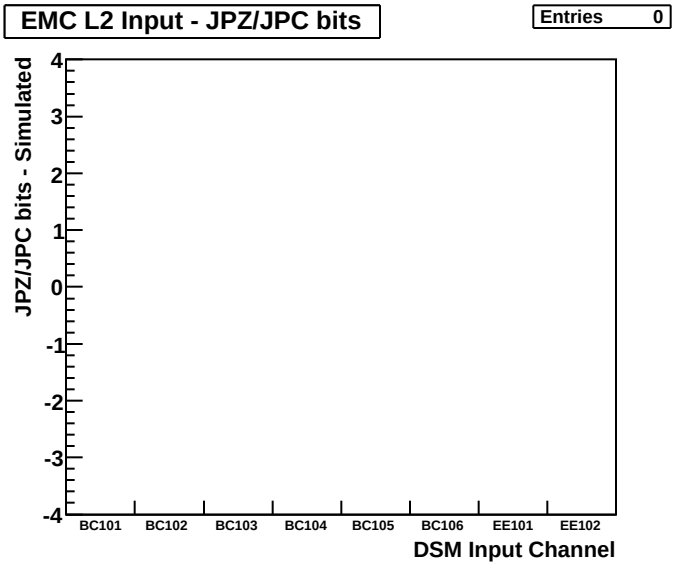

EMC L2 Input - JPX/JPA bits
Entries 314016
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
25365 24808 25414 25240 24646 24888 25281 24759
2122 1954 2115 2135 2093 2079 2098 2083
1116 1070 1098 1088 1035 1117 1080 1062
10649 11420 10625 10789 11478 11168 10793 11348

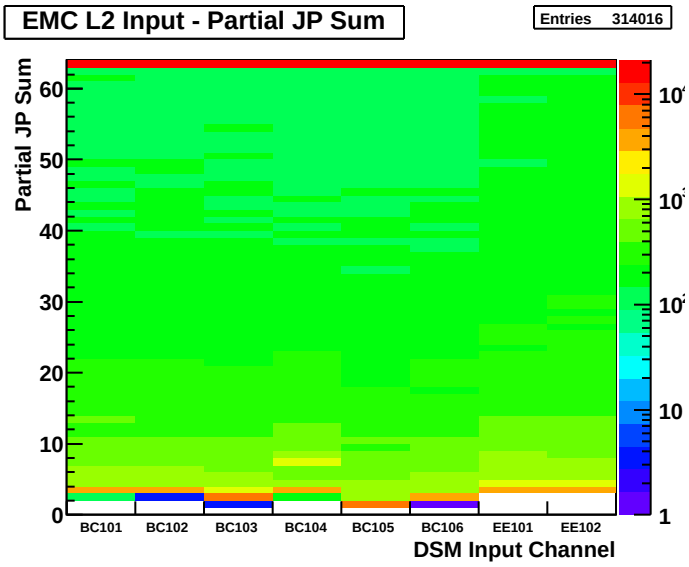

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

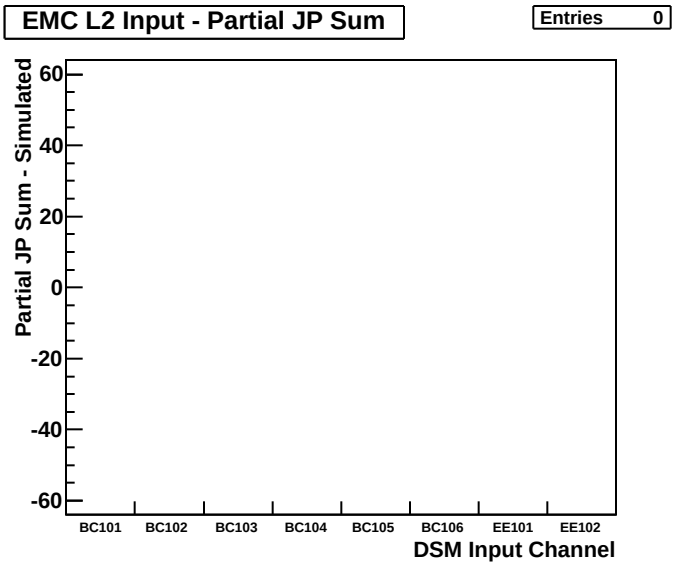

EMC L2 Input - JPY/JPB bits
Entries 314016
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
25213 24783 25069 25028 24730 24901 24681 24879
2145 2042 2133 2080 2094 2104 2111 2167
1101 1074 1169 1056 1094 1112 1096 1100
10793 11353 10881 11088 11344 11135 11364 11106

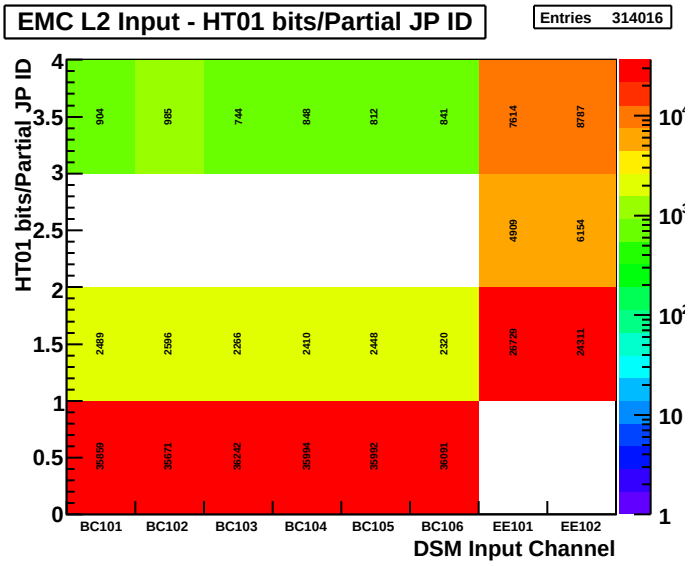

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

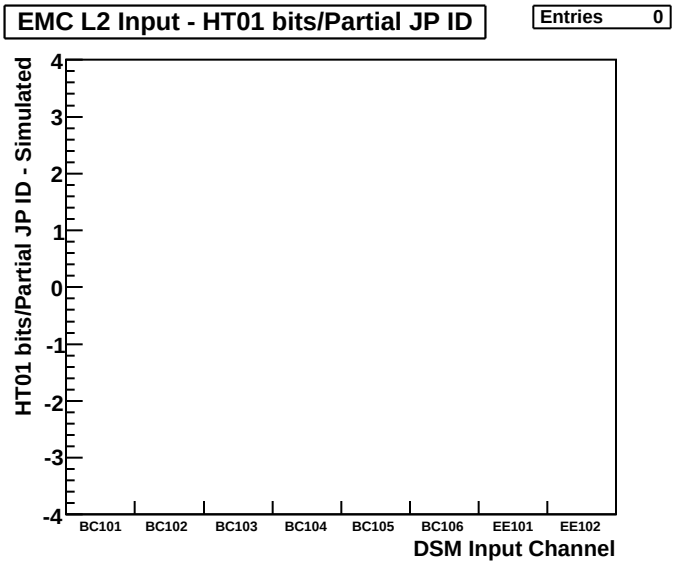

EMC L2 Input - JPZ/JPC bits
Entries 314016
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
24978 25329 24537 25217 24523 24791 25301 25311
2199 2134 2120 2102 2005 2007 1956 2048
1136 1044 1057 1087 1040 1077 1107 1054
10939 10745 11538 10846 11684 11377 10888 10839

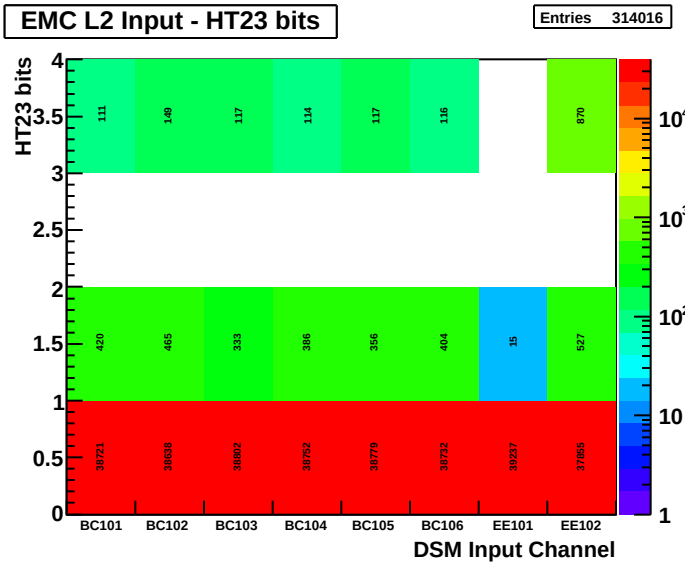

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

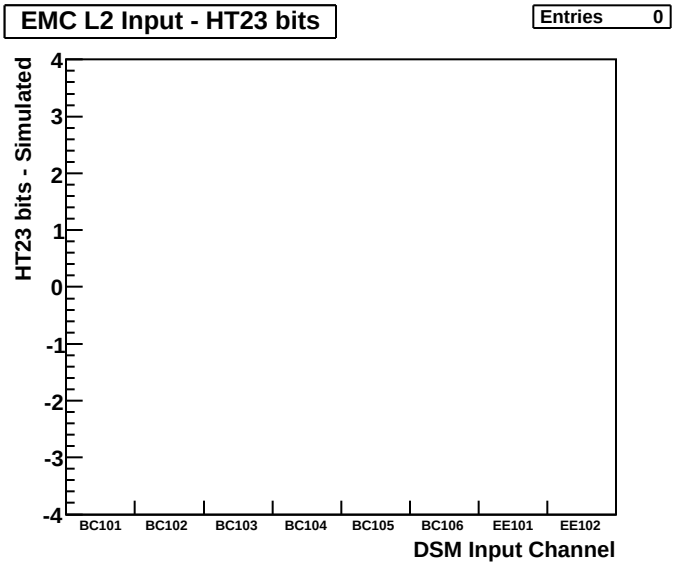

EMC L2 Input - Partial JP Sum
Entries 314016
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

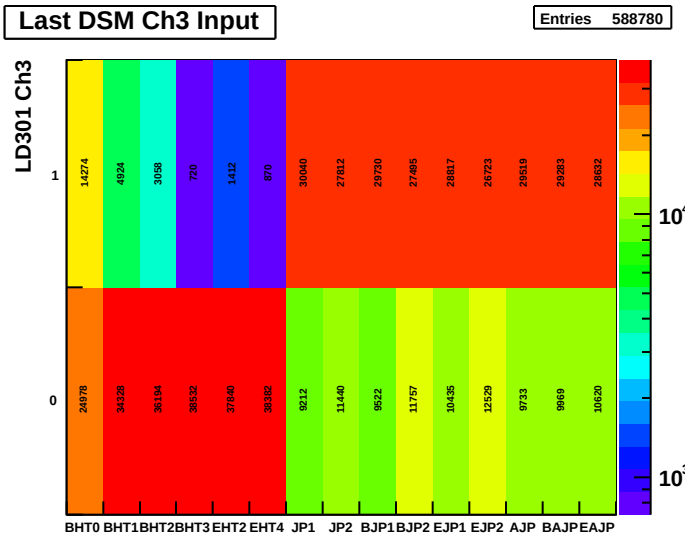

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

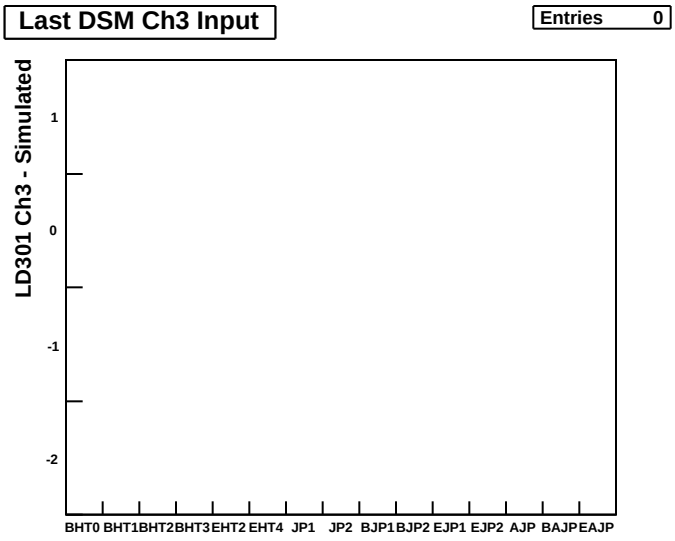

EMC L2 Input - HT01 bits/Partial JP ID
Entries 314016
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

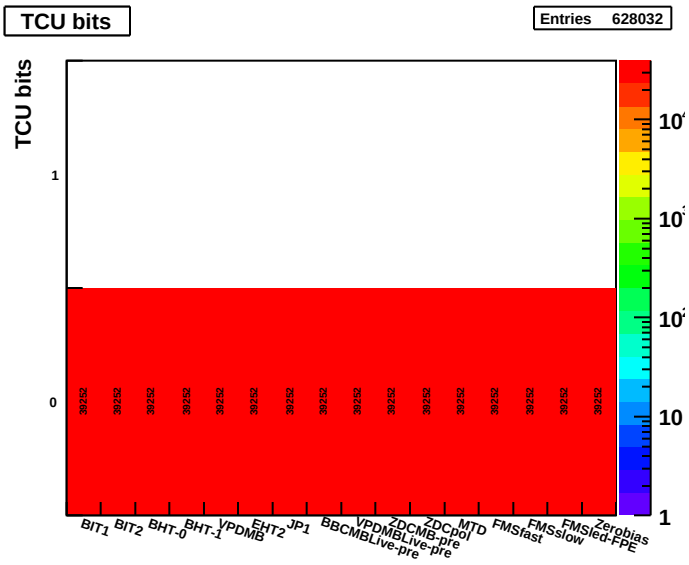

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

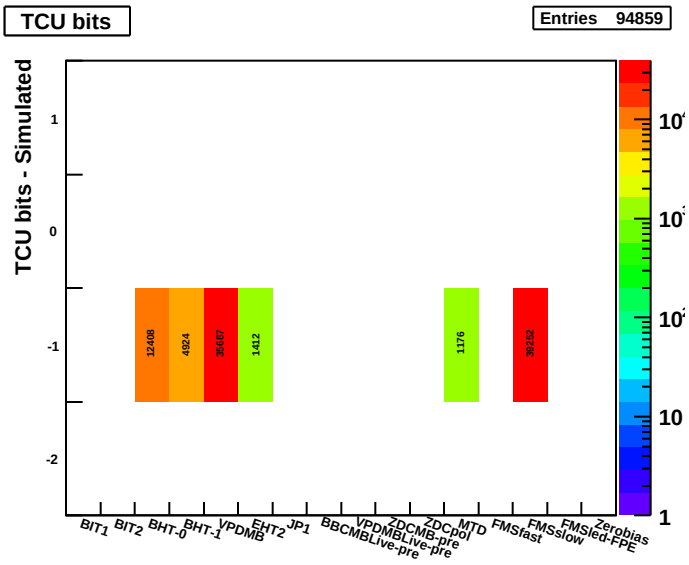

EMC L2 Input - HT23 bits
Entries 314016
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

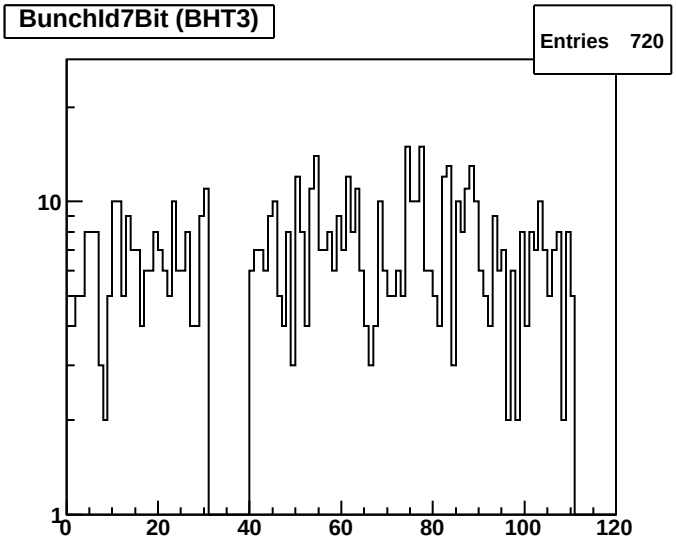

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

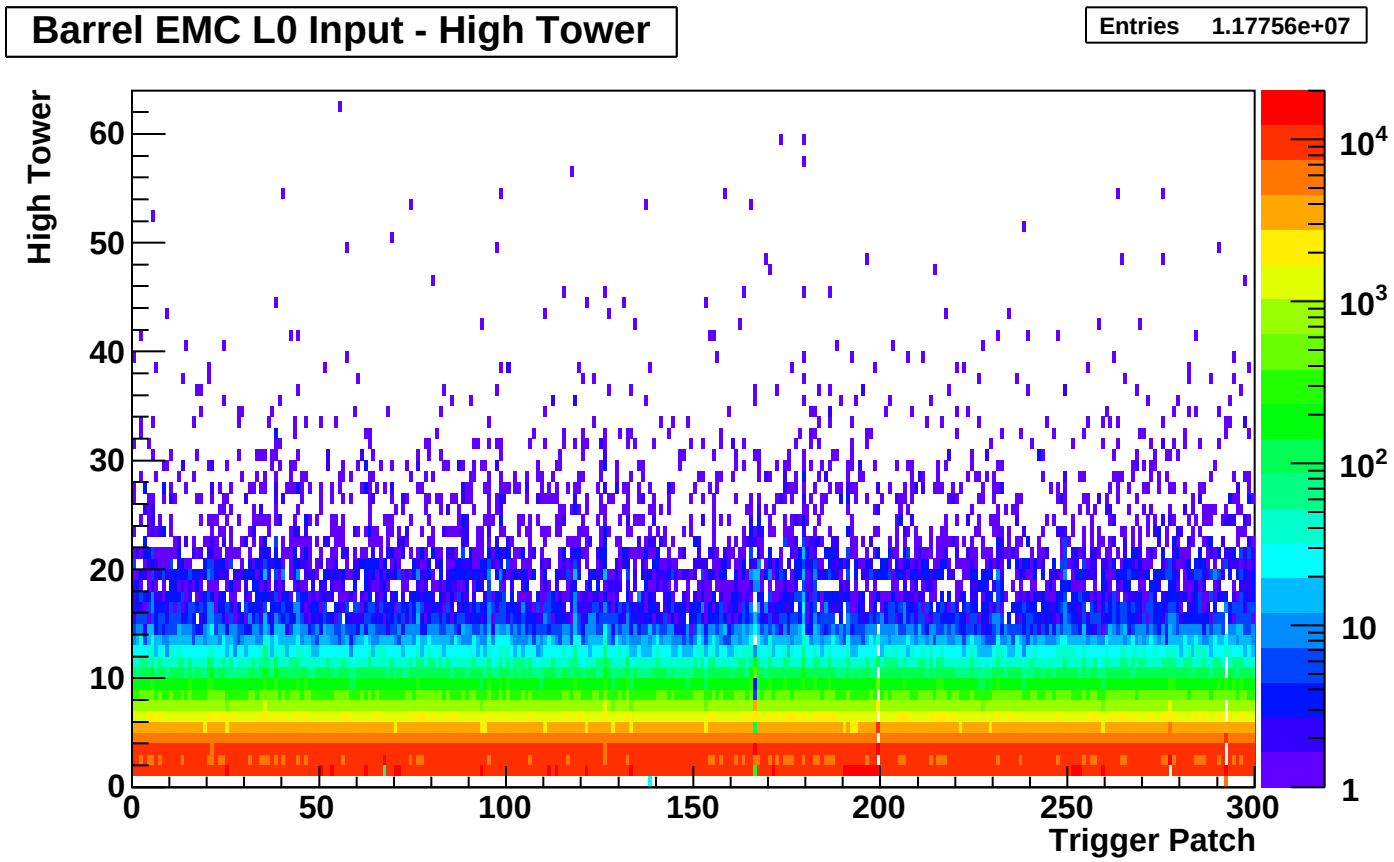

Last DSM Ch3 Input
Entries 588780
LD301 Ch3
1
0
14274
4924
3058
720
1412
670
30040
27812
29720
27495
28817
26723
29519
29283
28632
24978
34328
35194
38532
37840
38382
9212
11440
9622
11757
10435
12529
9733
9969
10620
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

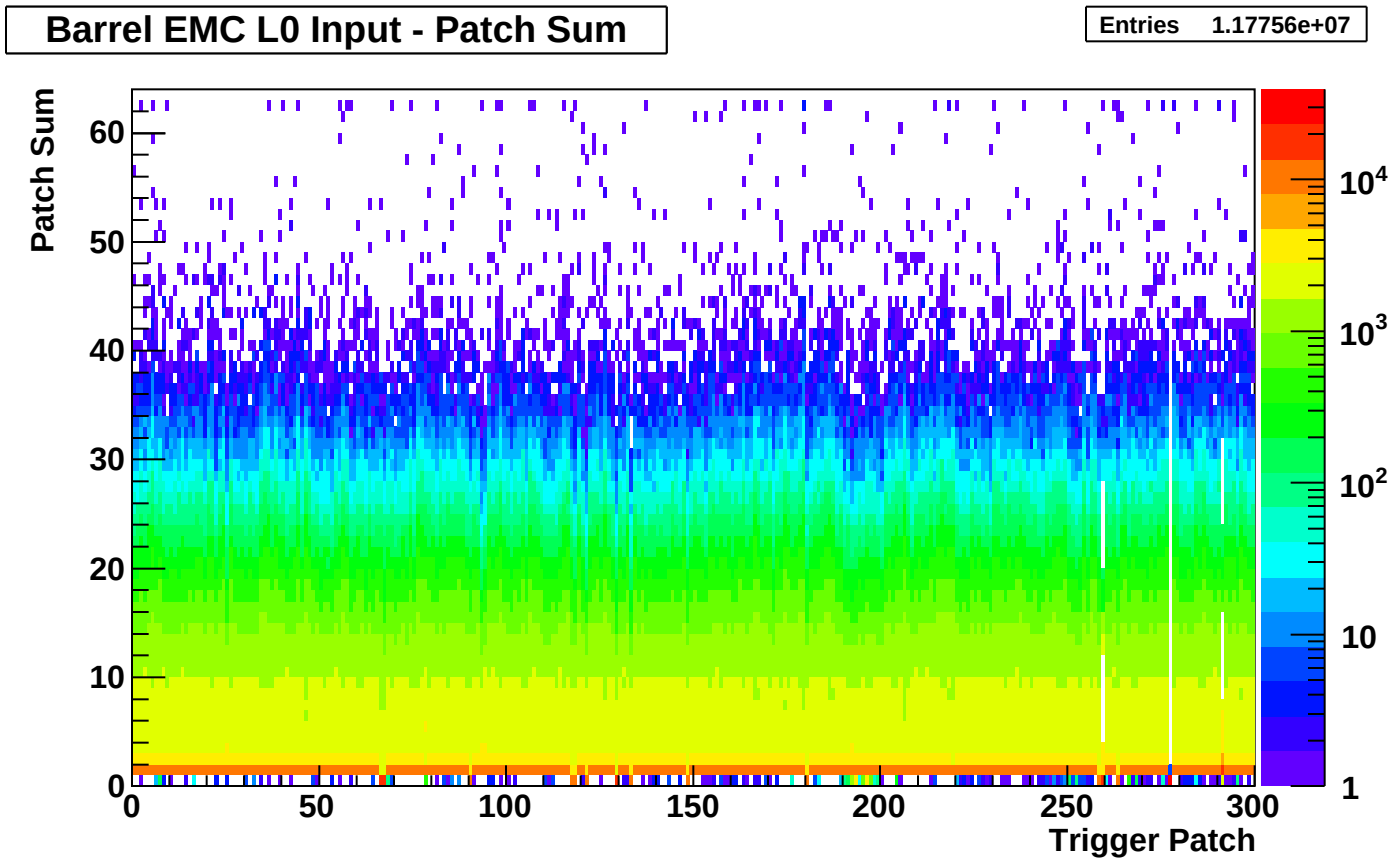

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
1
0
-1
-2
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

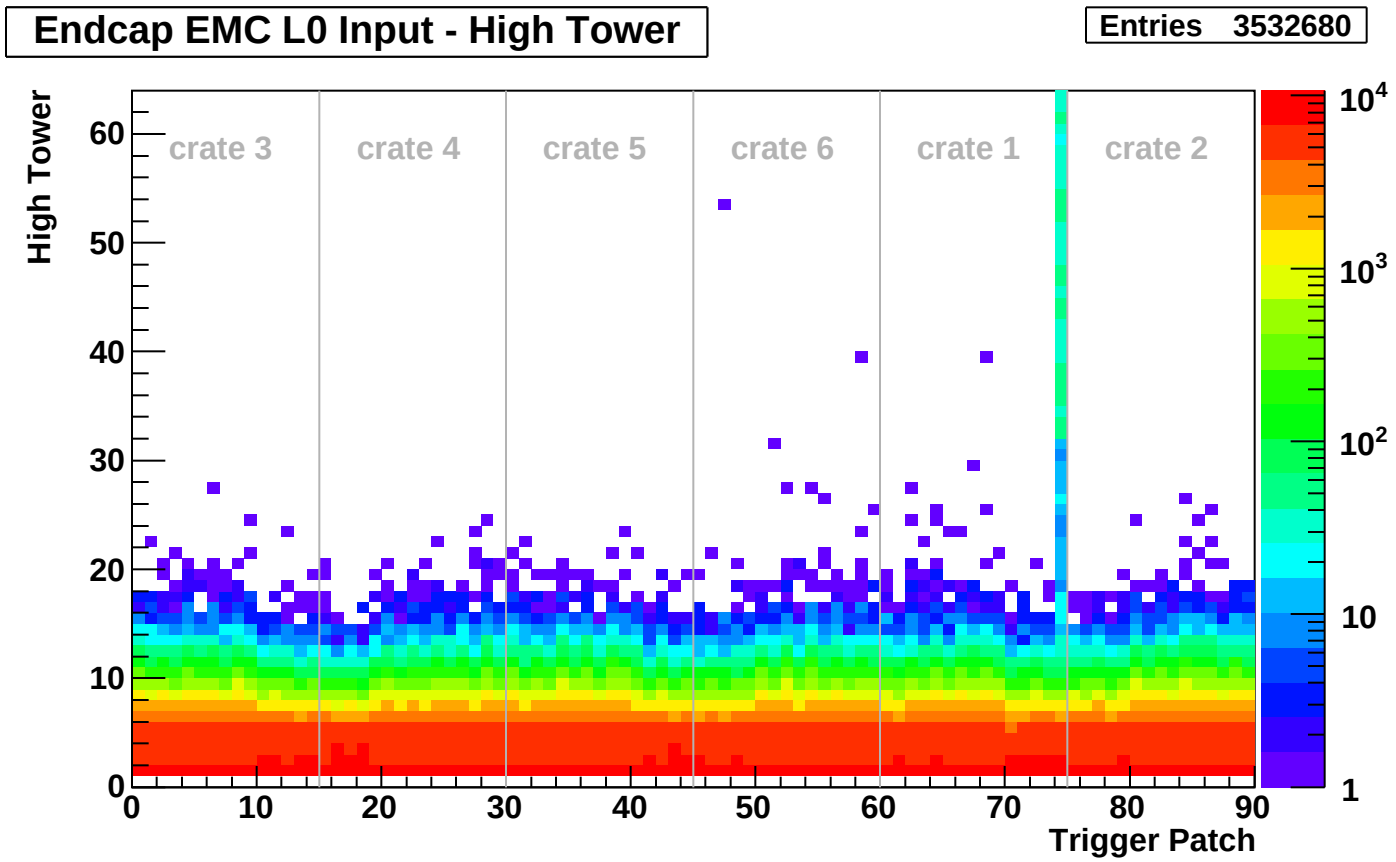

TCU bits
Entries 628032
TCU bits
1
0
39252
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

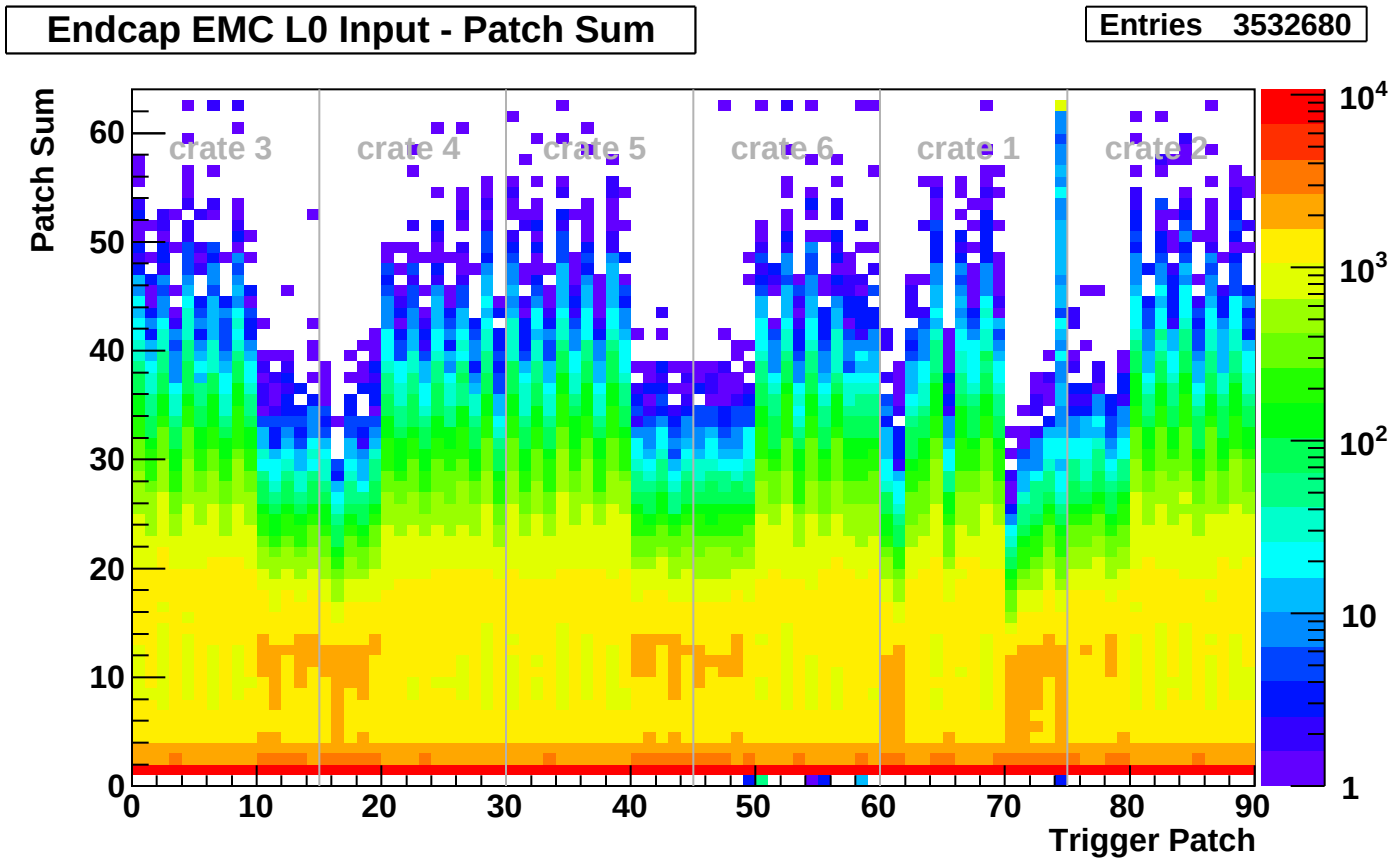

TCU bits
Entries 94859
TCU bits - Simulated
1
0
-1
-2
12408
4924
35687
1412
1176
39252
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

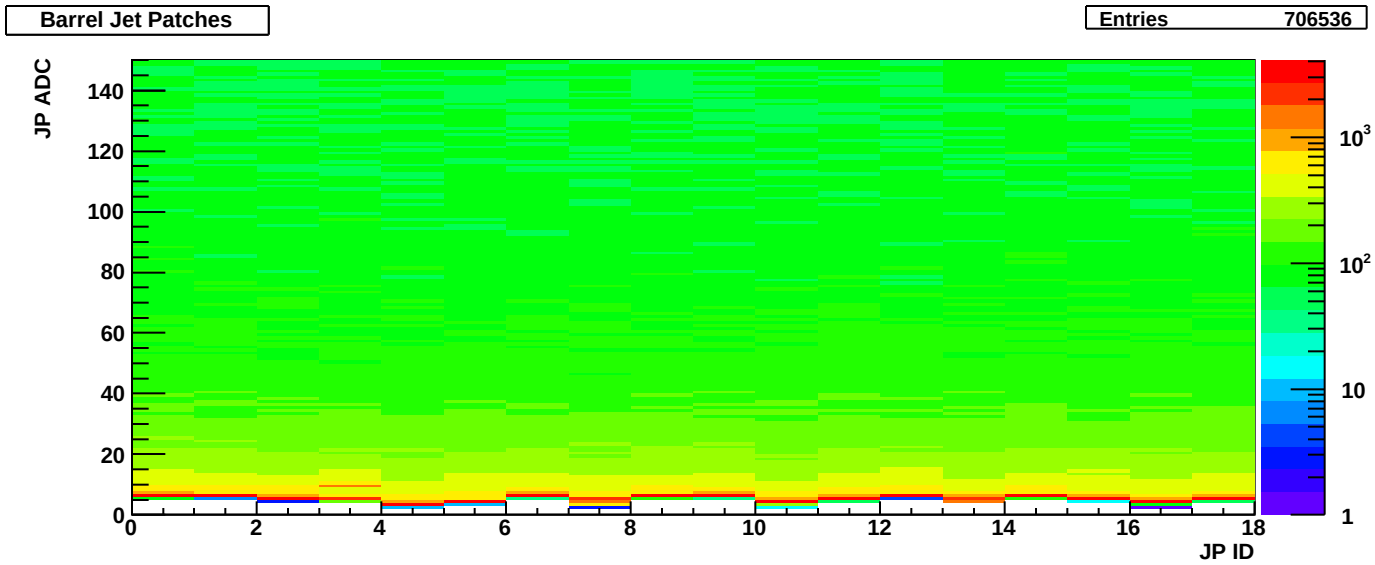

BunchId7Bit (BHT3)
Entries 720
10
1
0
20
40
60
80
100
120

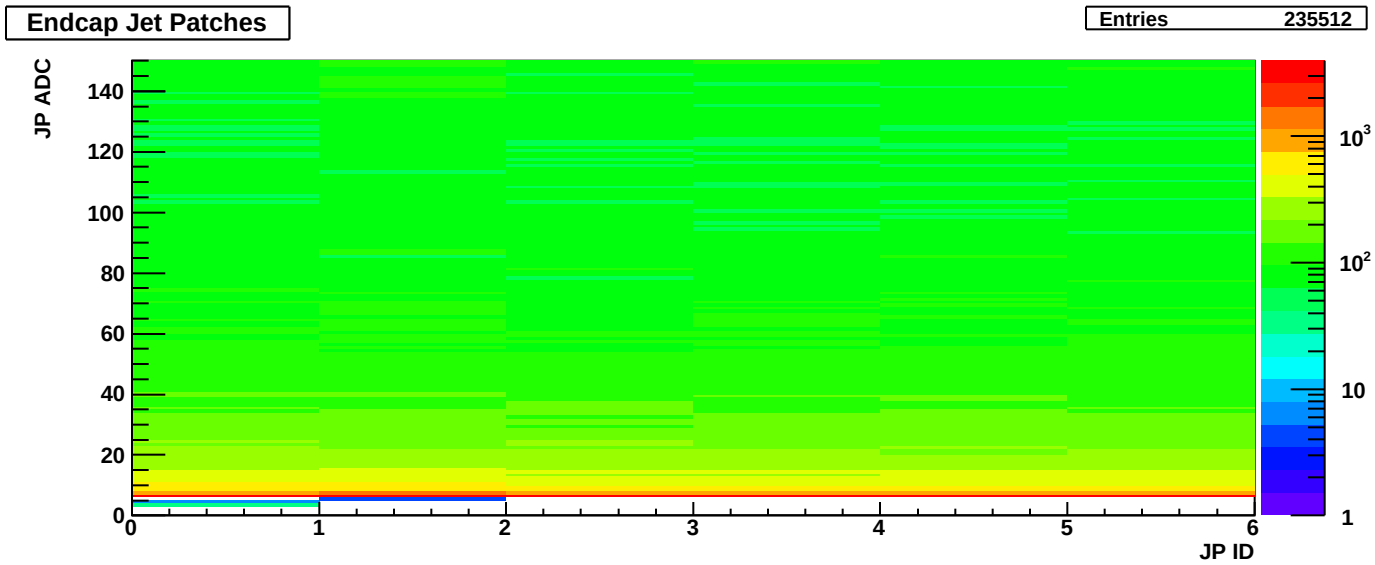

Barrel EMC L0 Input - High Tower
Entries 1.17756e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

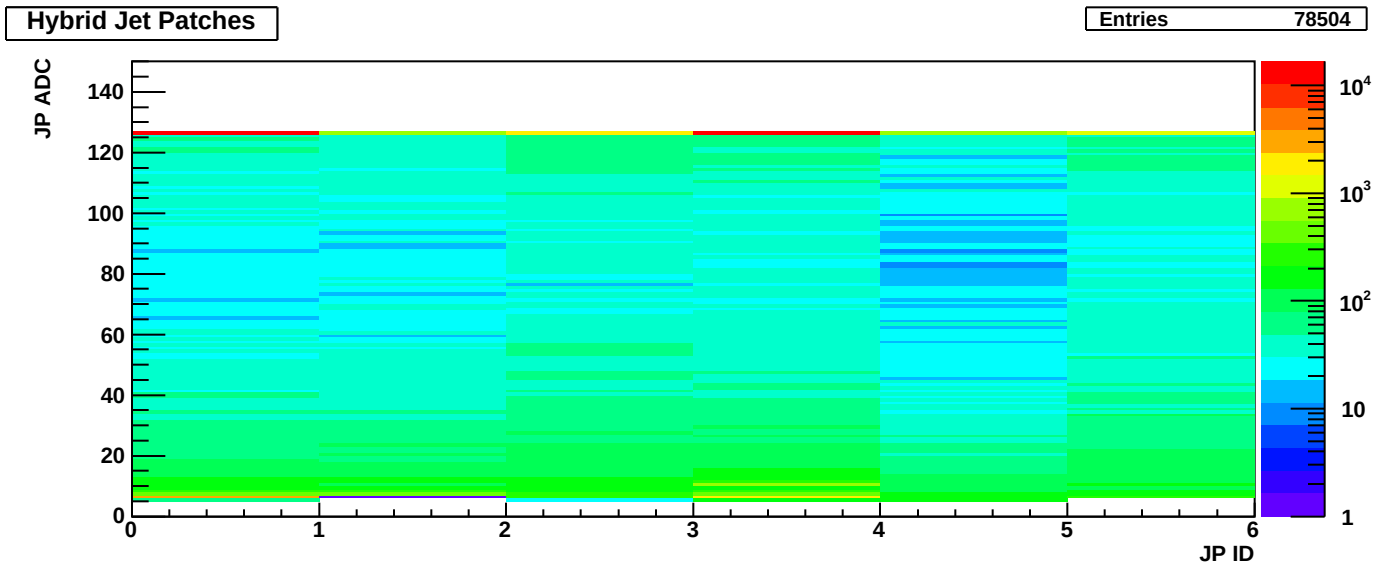

Barrel EMC L0 Input - Patch Sum
Entries 1.17756e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

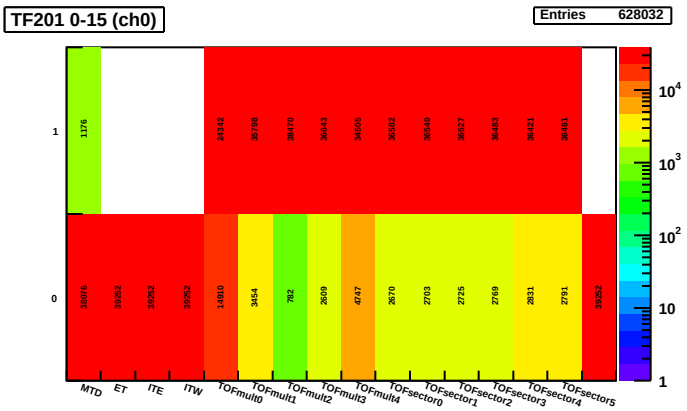

Endcap EMC L0 Input - High Tower
Entries 3532680
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

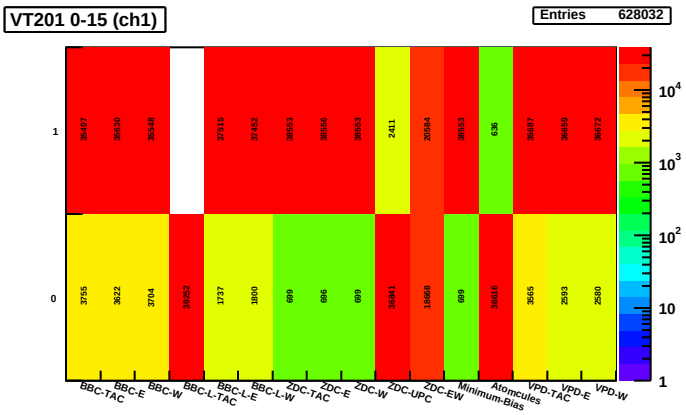

Endcap EMC L0 Input - Patch Sum
Entries 3532680
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

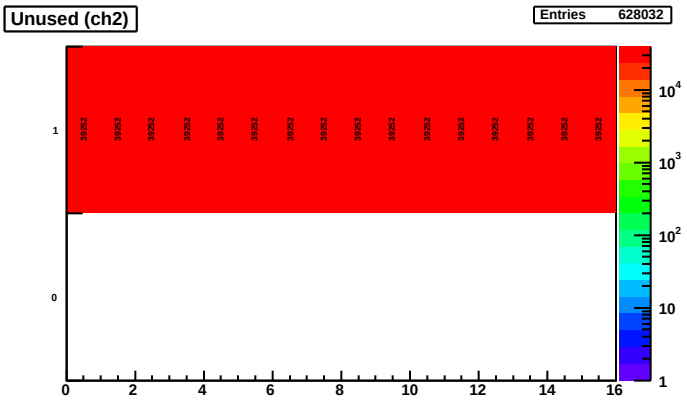

Barrel Jet Patches
Entries 706536
JP ADC
JP ID

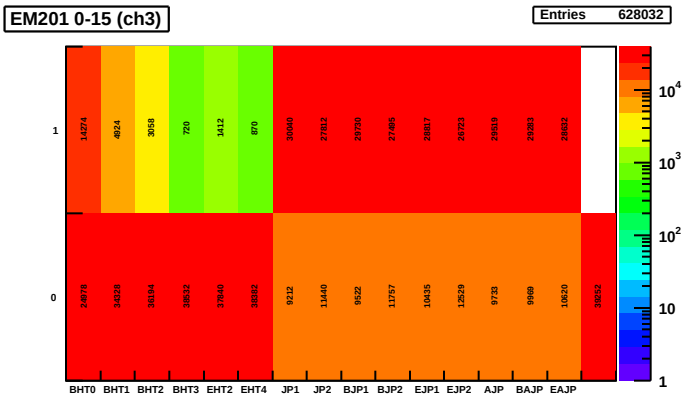

Endcap Jet Patches
Entries 235512
JP ADC
JP ID

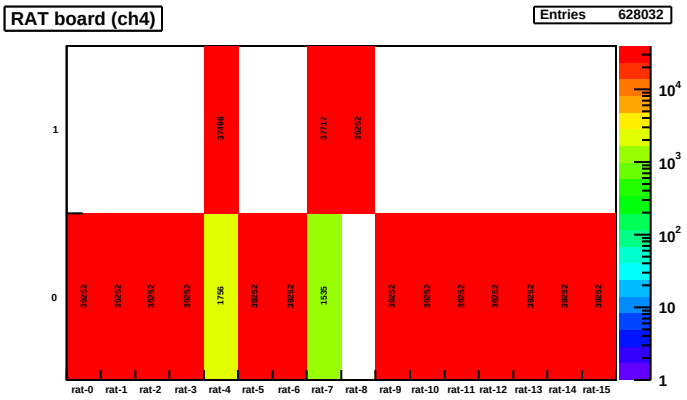

Hybrid Jet Patches
Entries 78504
JP ADC
JP ID

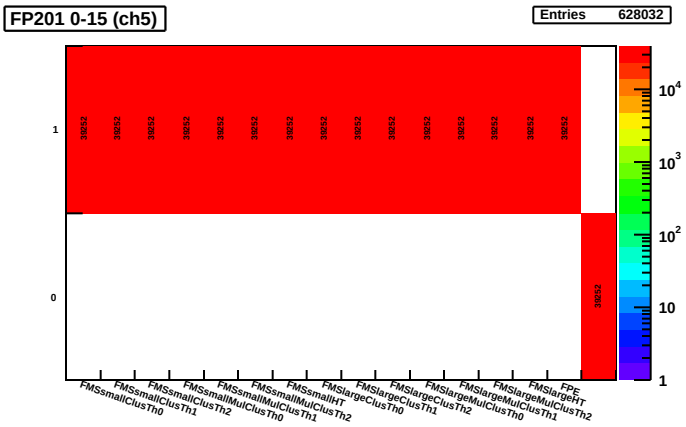

TF201 0-15 (ch0)
Entries 628032
1176
24342 35798 38470 36643 34505 36582 36549 36527 36483 36421 36461
38076 39252 39252 39252 14910 3454 782 2609 4747 2670 2703 2725 2769 2831 2791 39252
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

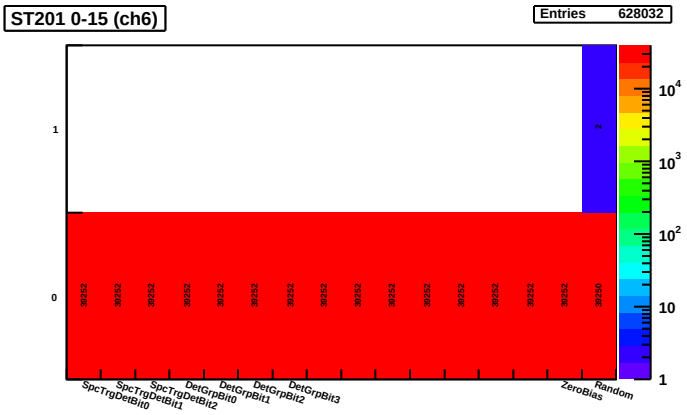

VT201 0-15 (ch1)
Entries 628032
35497 35630 35548 37515 37452 38553 38556 38553 2411 20584 38553 636 35687 36659 36672
3755 3622 3704 39252 1737 1800 699 696 699 36841 18868 699 38616 3565 2593 2580
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

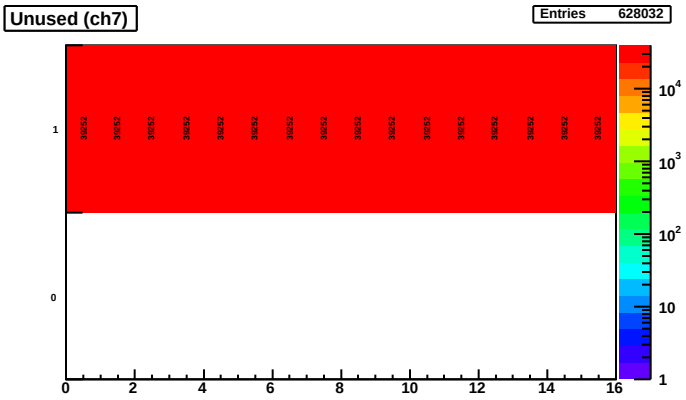

Unused (ch2)
Entries 628032
39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252

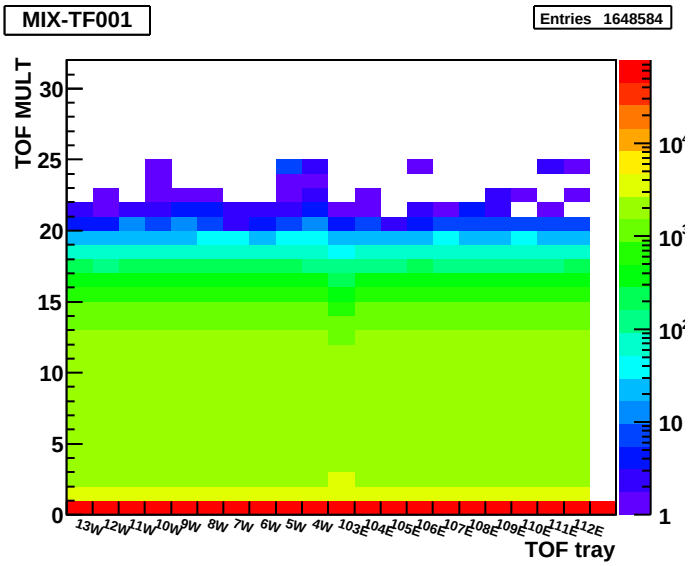

EM201 0-15 (ch3)
Entries 628032
14274 4924 3058 720 1412 870 30040 27612 29730 27485 28817 25723 29519 23283 28632
24878 34328 36184 38532 37840 38382 9212 11440 9522 11757 10435 12529 9733 9909 10620 39252
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

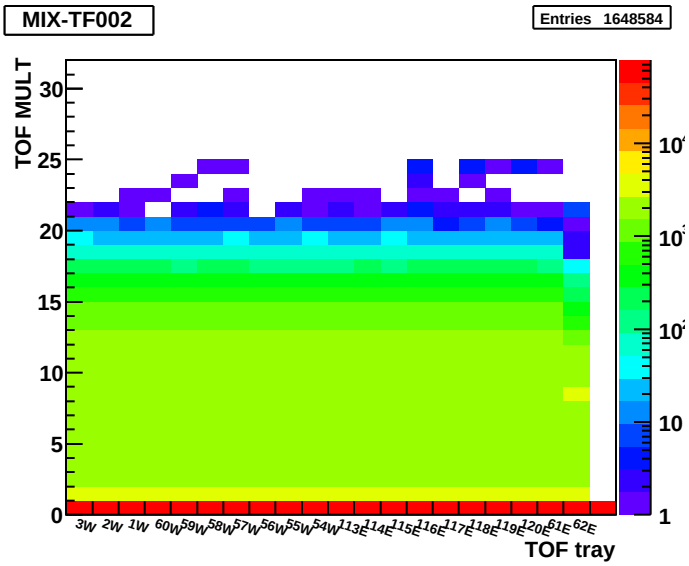

RAT board (ch4)
Entries 628032
37496 37717 39252
39252 39252 39252 39252 1796 39252 39252 1535 39252 39252 39252 39252 39252 39252
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

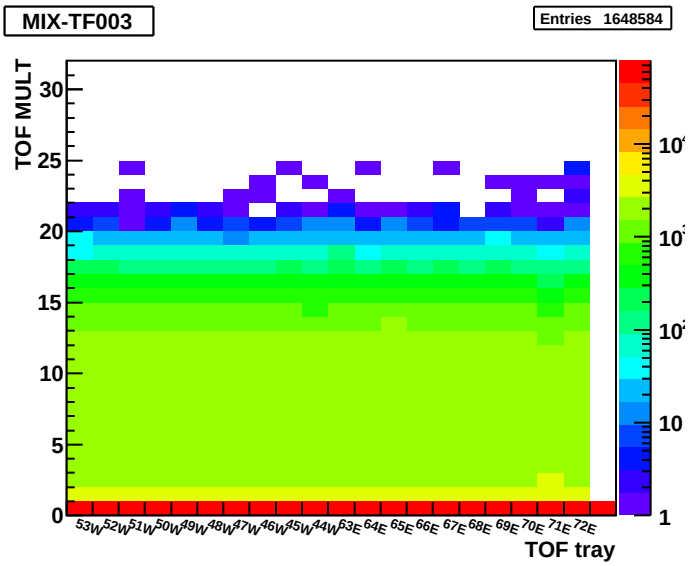

FP201 0-15 (ch5)
Entries 628032
39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252
39252
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

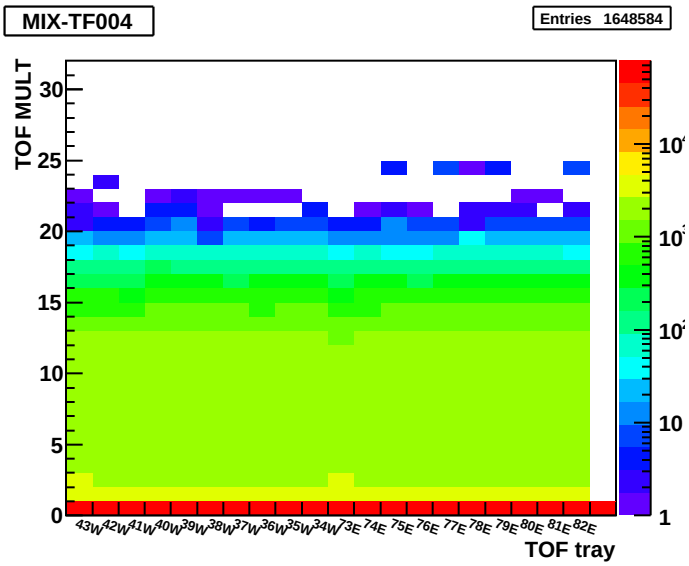

ST201 0-15 (ch6)
Entries 628032
2
39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39250
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

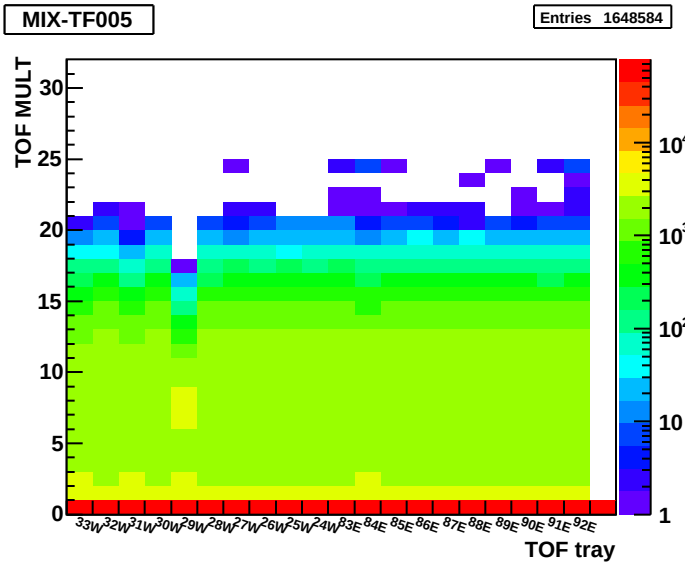

Unused (ch7)
Entries 628032
39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252 39252

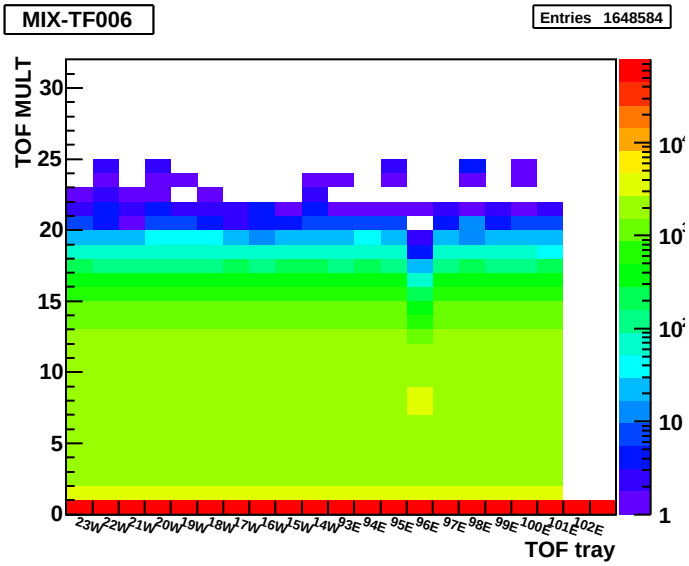

MIX-TF001
Entries 1648584
TOF MULT
TOF tray

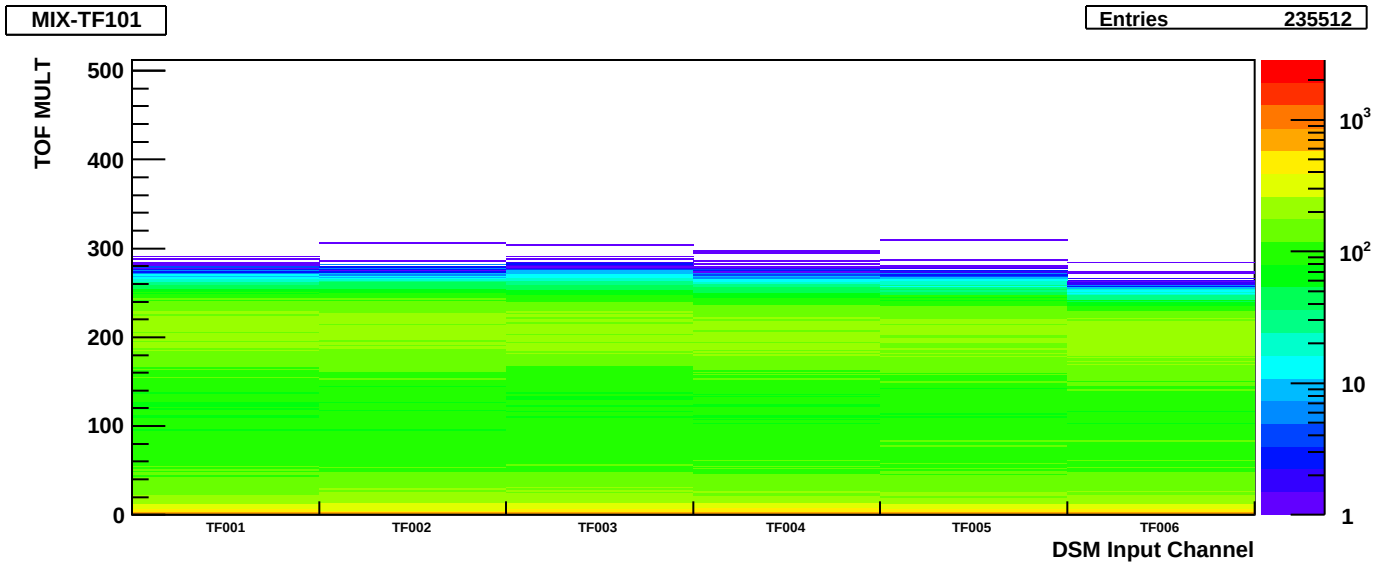

MIX-TF002
Entries 1648584
TOF MULT
TOF tray

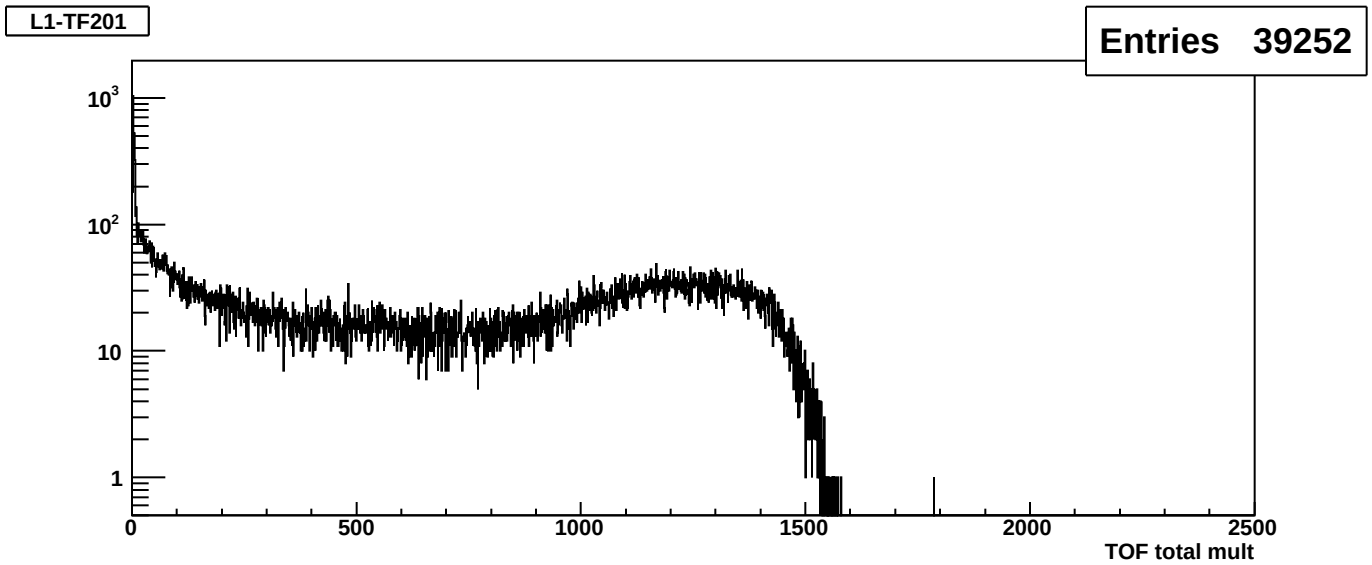

MIX-TF003
Entries 1648584
TOF MULT
TOF tray

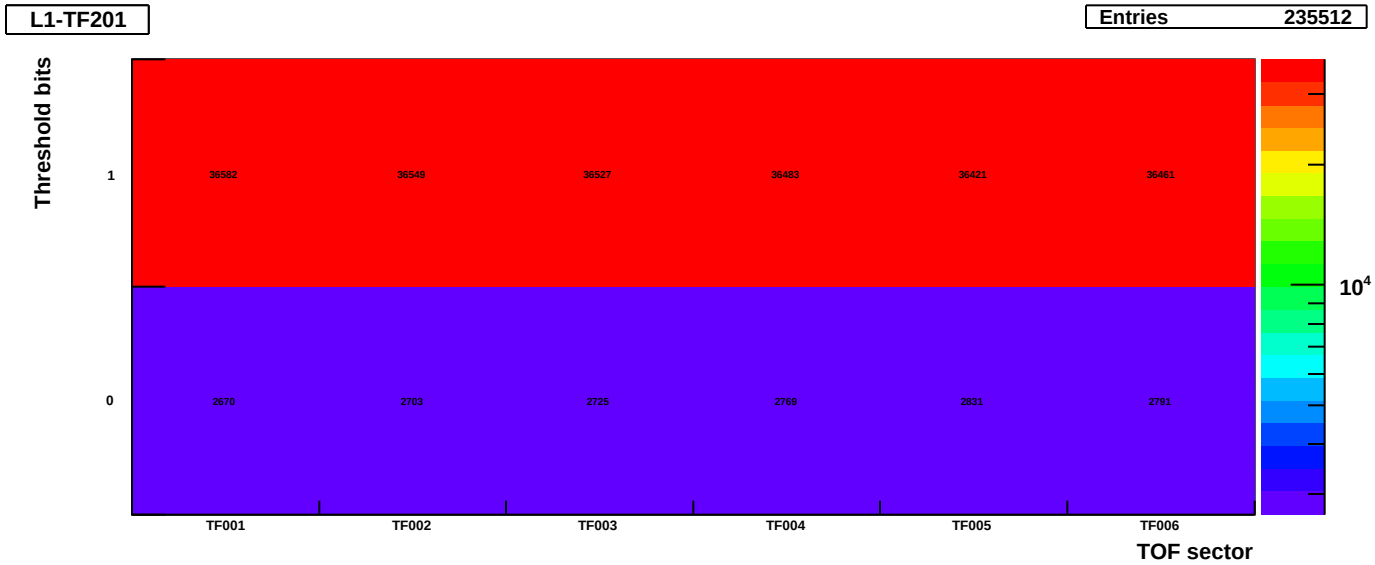

MIX-TF004
Entries 1648584
TOF MULT
TOF tray

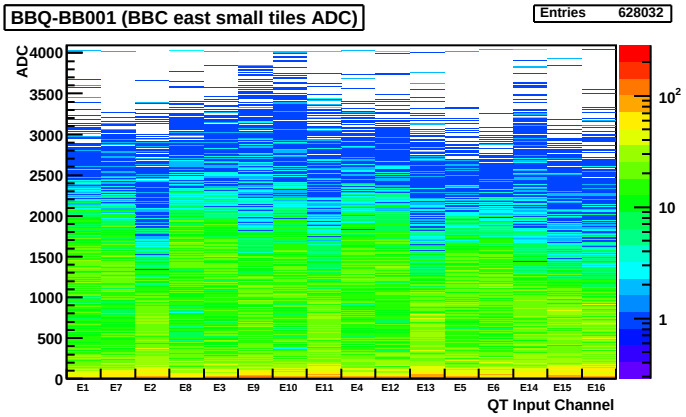

MIX-TF005
Entries 1648584
TOF MULT
TOF tray

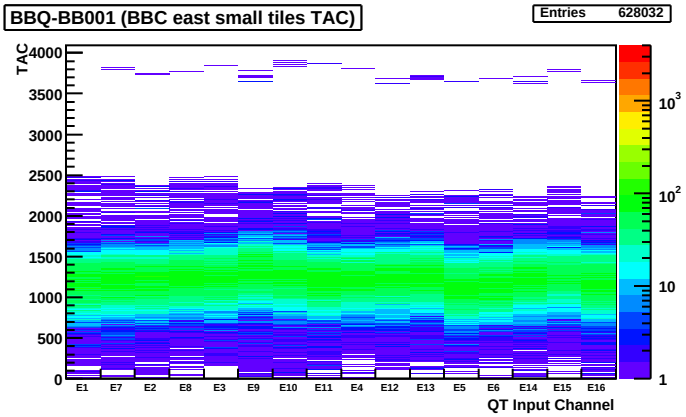

MIX-TF006
Entries 1648584
TOF MULT
TOF tray

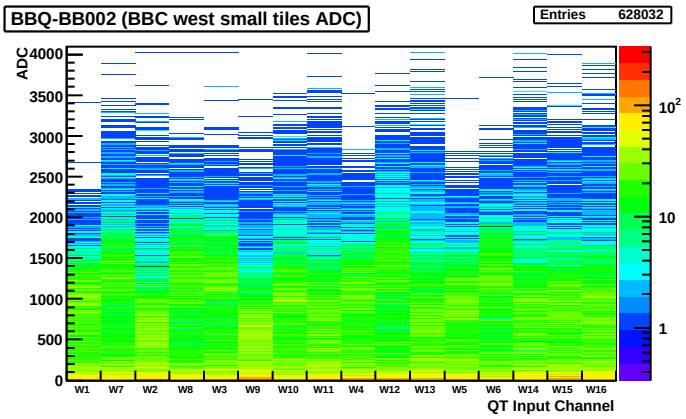

MIX-TF101
Entries 235512
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

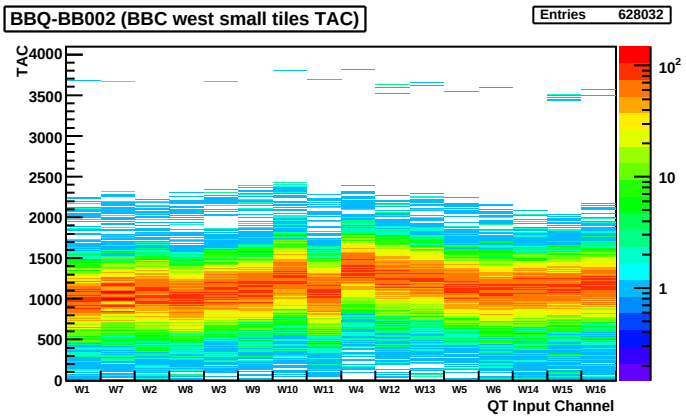

L1-TF201
Entries 39252
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

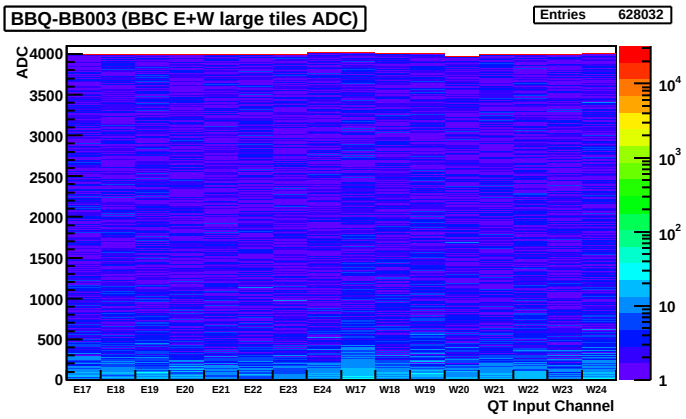

L1-TF201
Entries 235512
Threshold bits
1
0
36582
36549
36527
36483
36421
36461
2670
2703
2725
2769
2831
2791
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

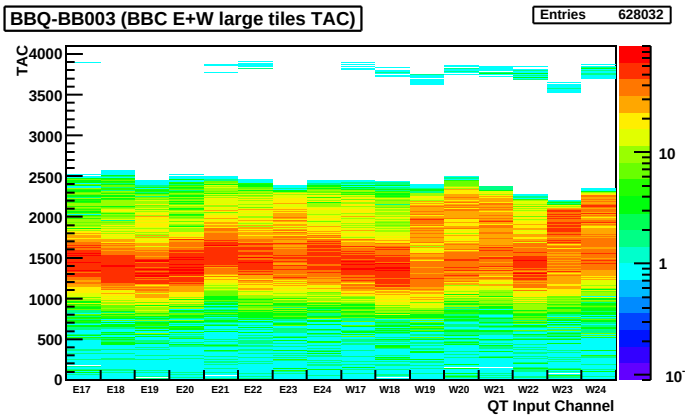

BBQ-BB001 (BBC east small tiles ADC)
Entries 628032
ADC
QT Input Channel

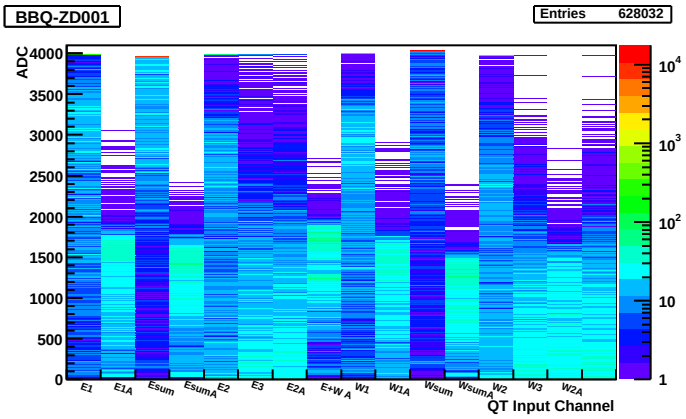

BBQ-BB001 (BBC east small tiles TAC)
Entries 628032
TAC
QT Input Channel

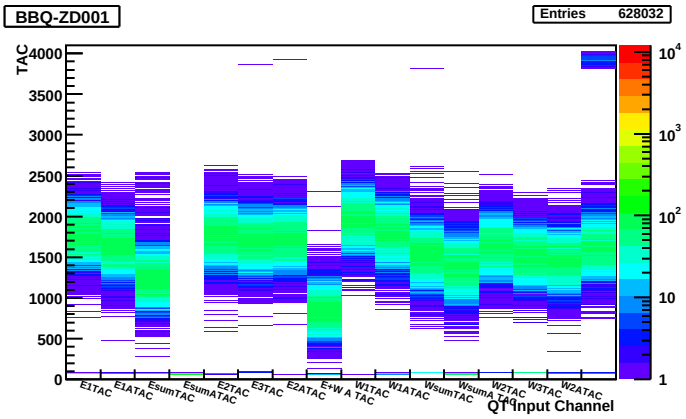

BBQ-BB002 (BBC west small tiles ADC)
Entries 628032
ADC
QT Input Channel

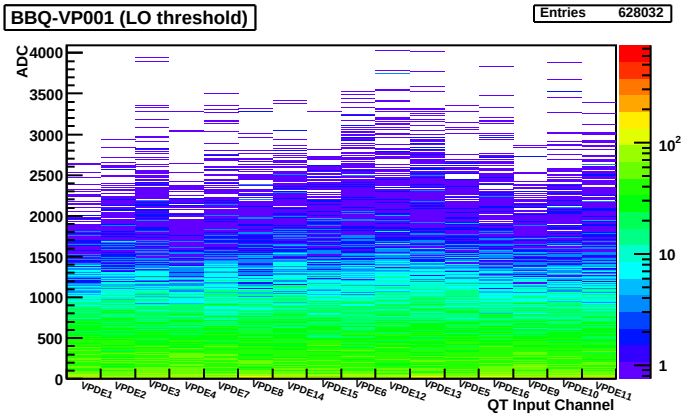

BBQ-BB002 (BBC west small tiles TAC)
Entries 628032
TAC
QT Input Channel

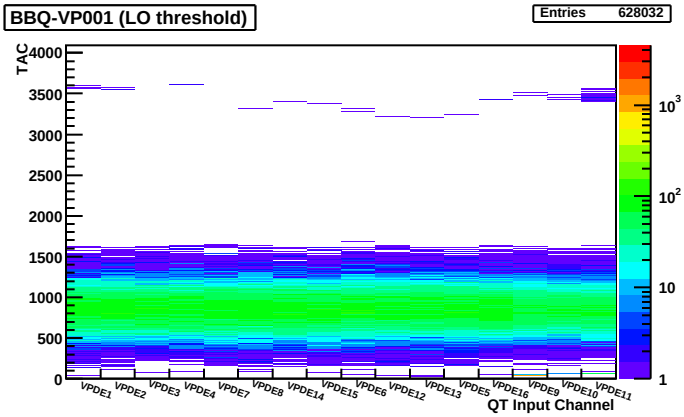

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 628032
ADC
QT Input Channel

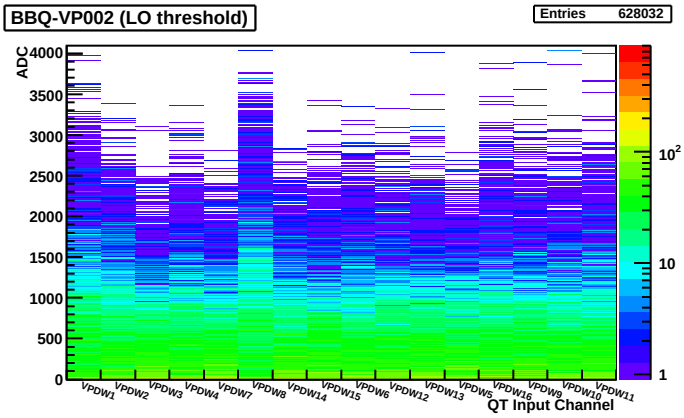

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 628032
TAC
QT Input Channel

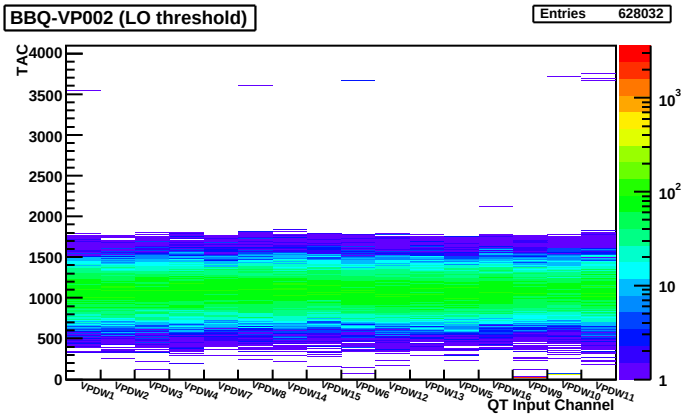

BBQ-ZD001
Entries 628032
ADC
QT Input Channel

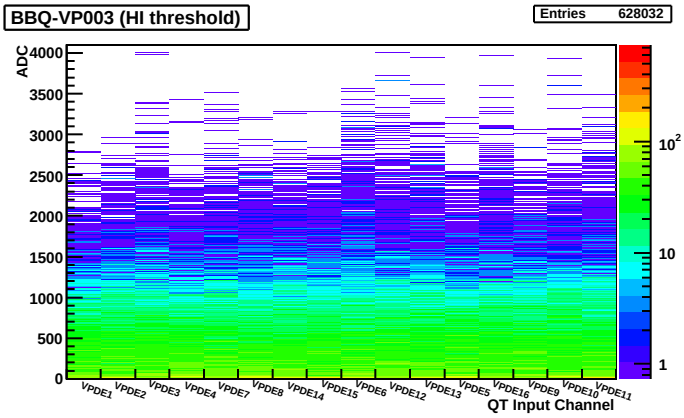

BBQ-ZD001
Entries 628032
TAC
QT Input Channel

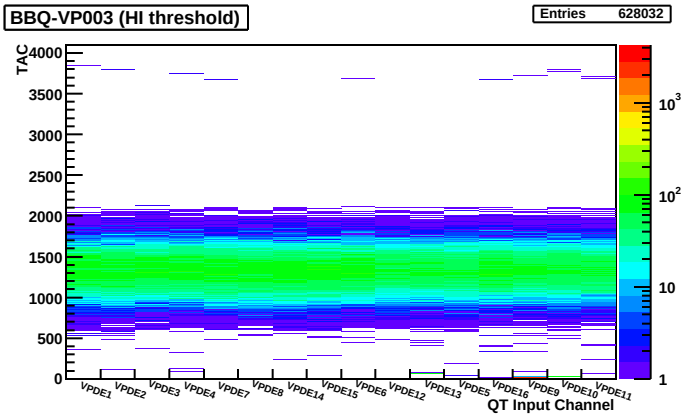

BBQ-VP001 (LO threshold)
Entries 628032
ADC
QT Input Channel

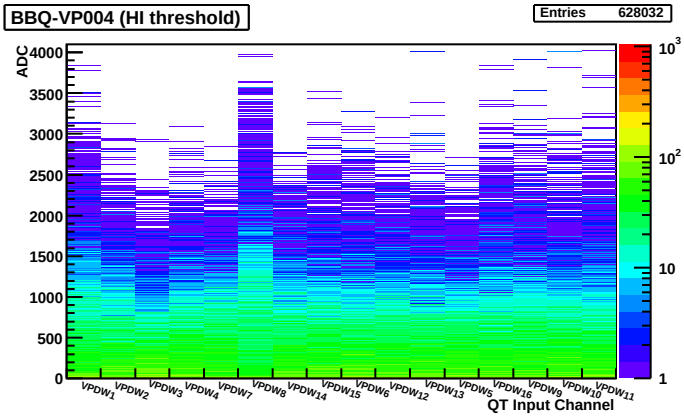

BBQ-VP001 (LO threshold)
Entries 628032
TAC
QT Input Channel

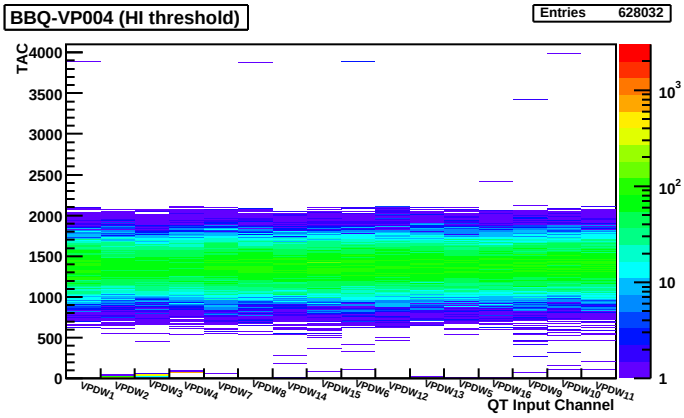

BBQ-VP002 (LO threshold)
Entries 628032
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 628032
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 628032
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 628032
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 628032
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 628032
TAC
QT Input Channel