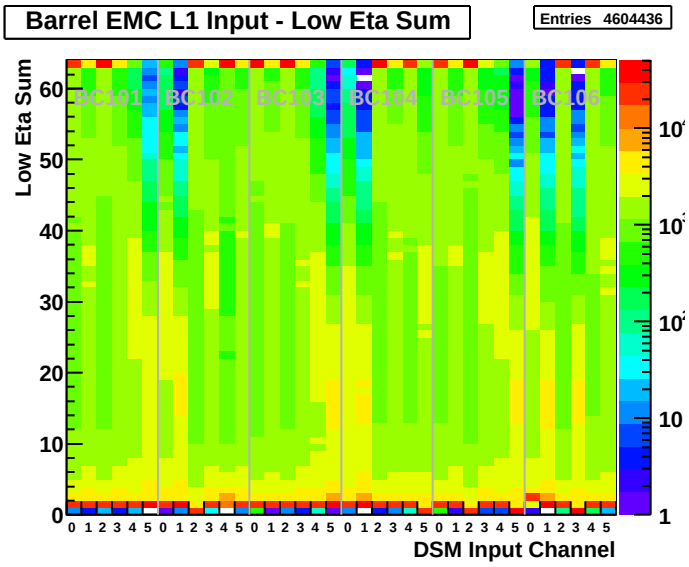
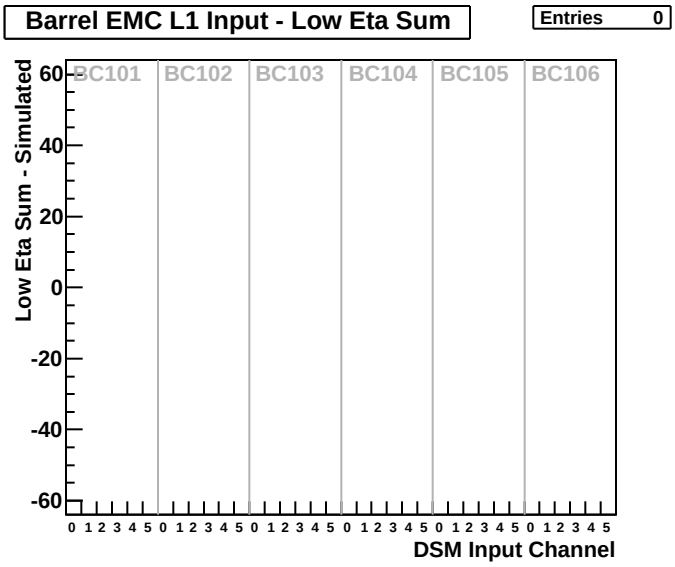
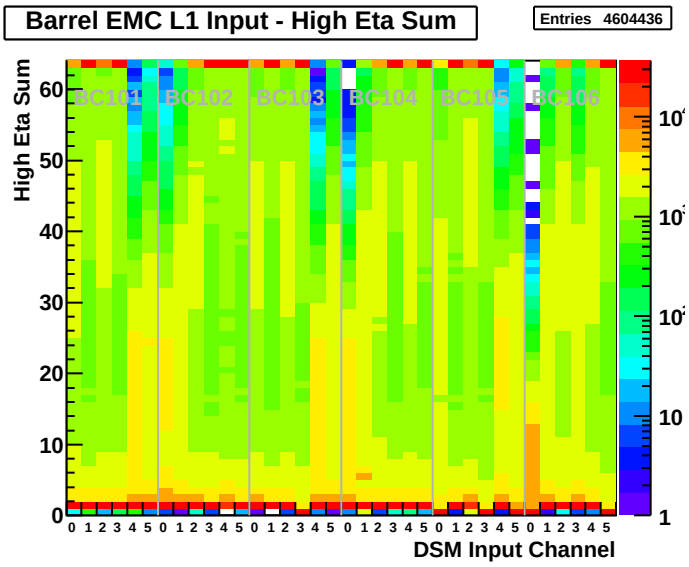
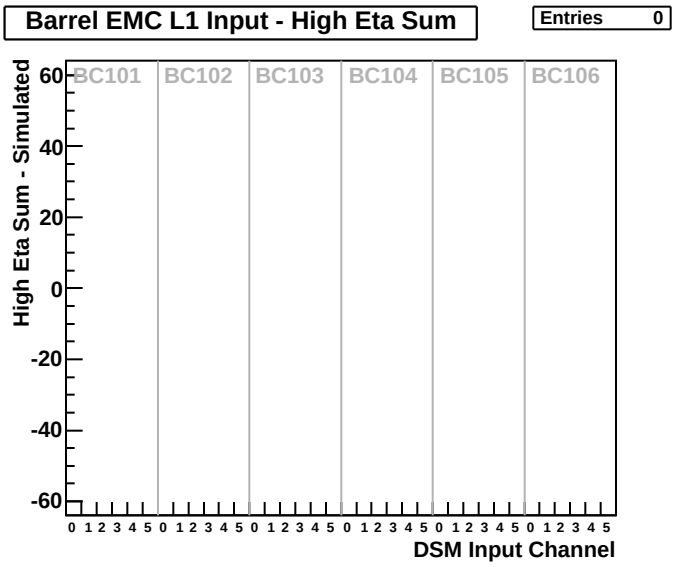
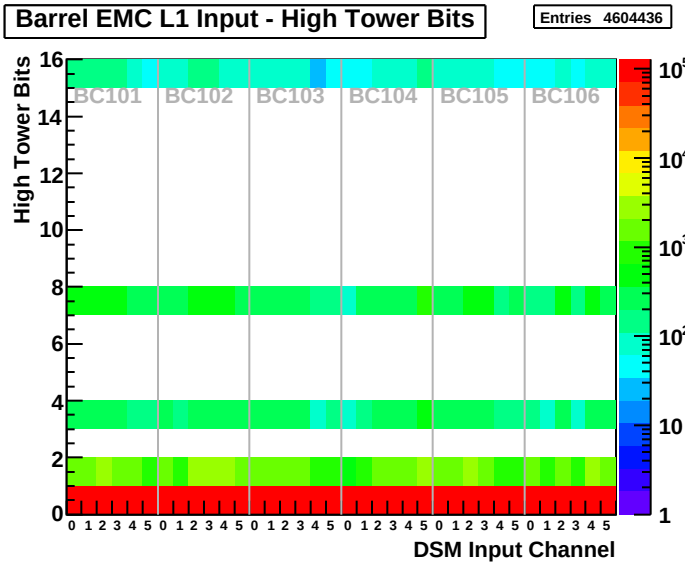
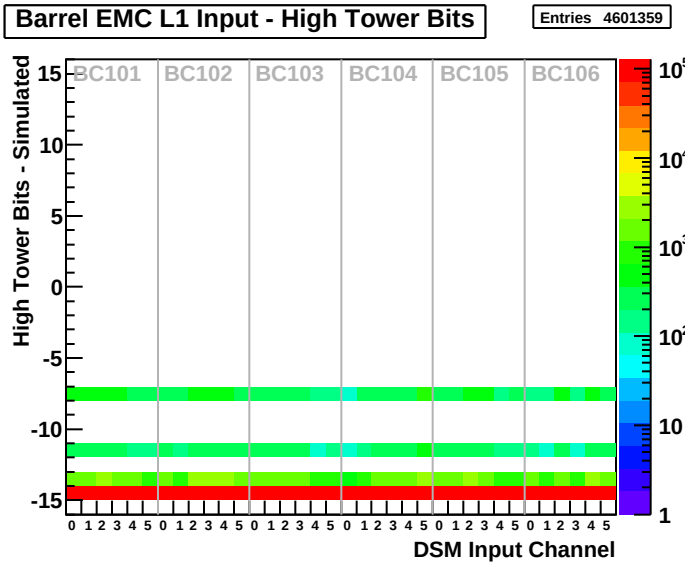

Barrel EMC L1 Input - Low Eta Sum
Entries 4604436
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

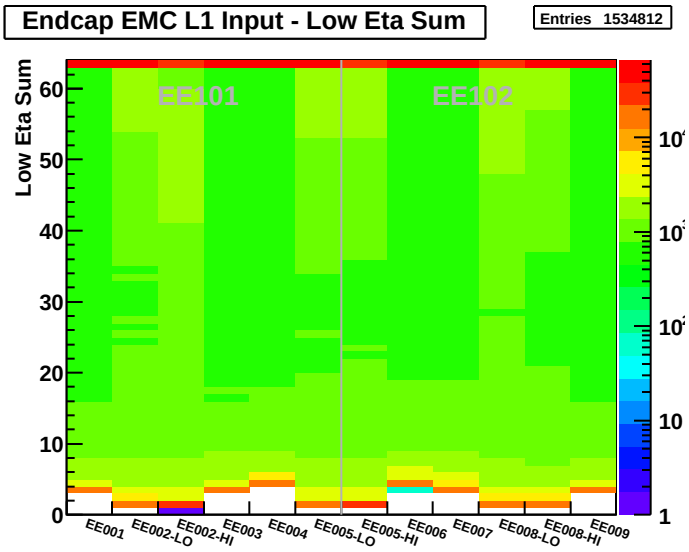

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

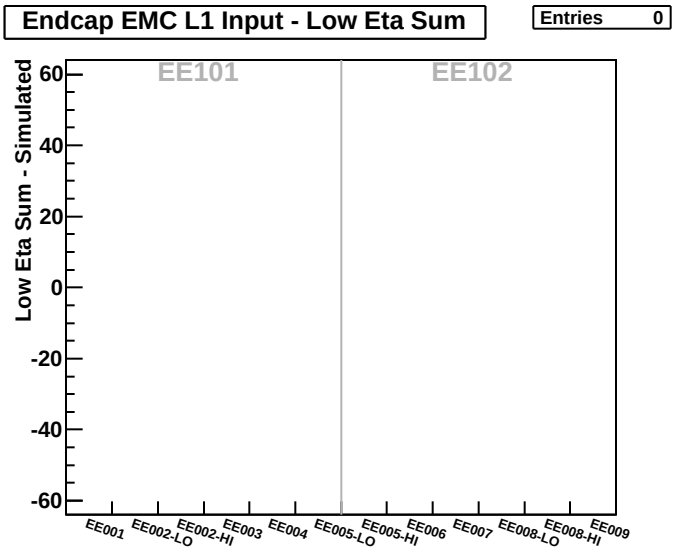

Barrel EMC L1 Input - High Eta Sum
Entries 4604436
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

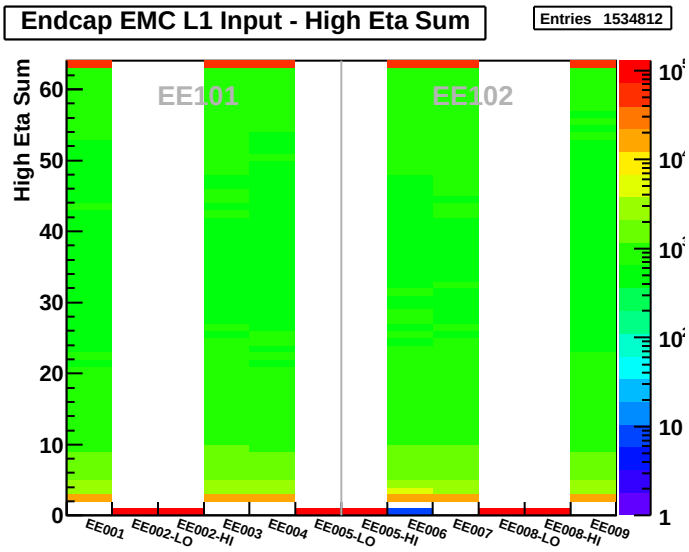

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

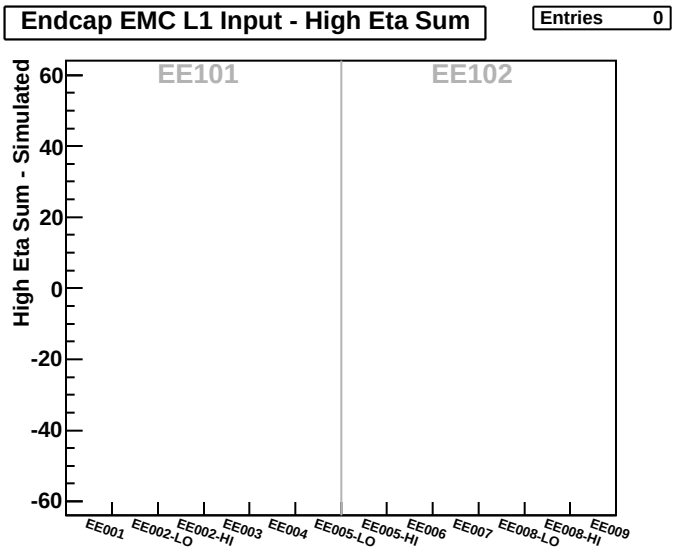

Barrel EMC L1 Input - High Tower Bits
Entries 4604436
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

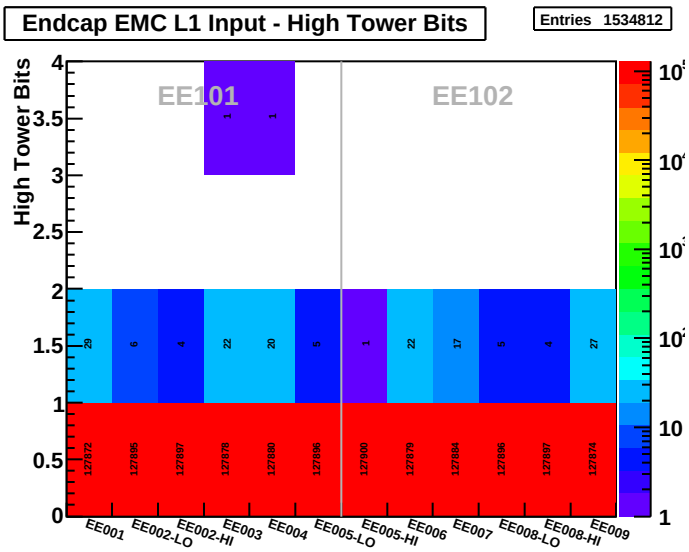

Barrel EMC L1 Input - High Tower Bits
Entries 4601359
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

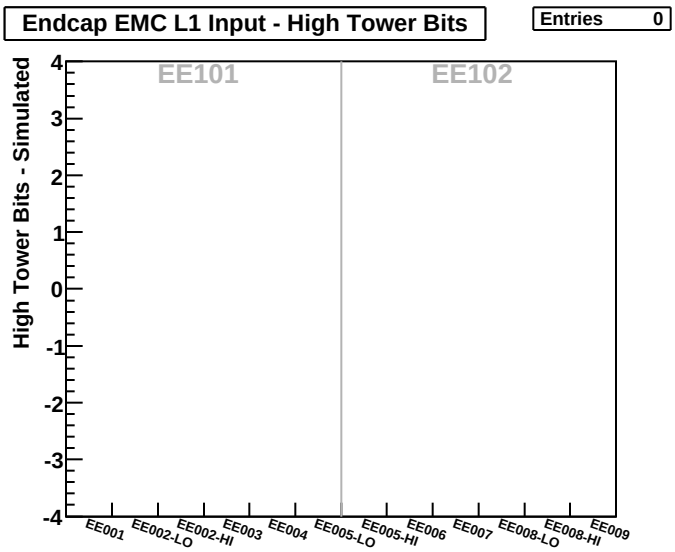

Endcap EMC L1 Input - Low Eta Sum
Entries 1534812
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

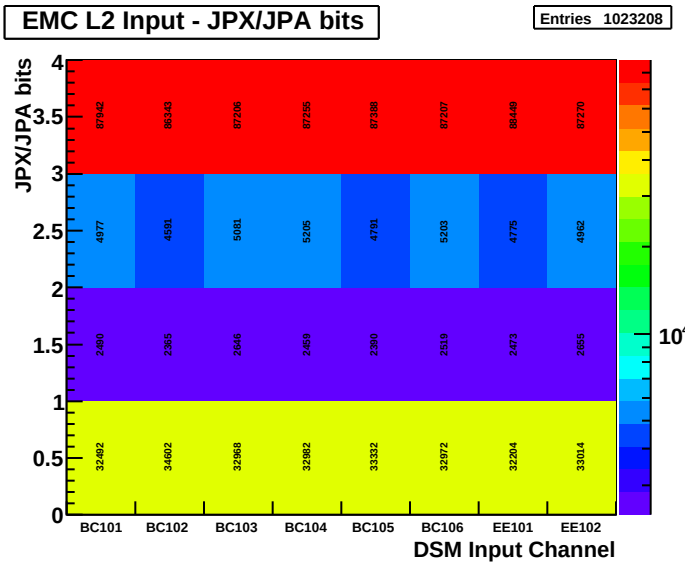

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

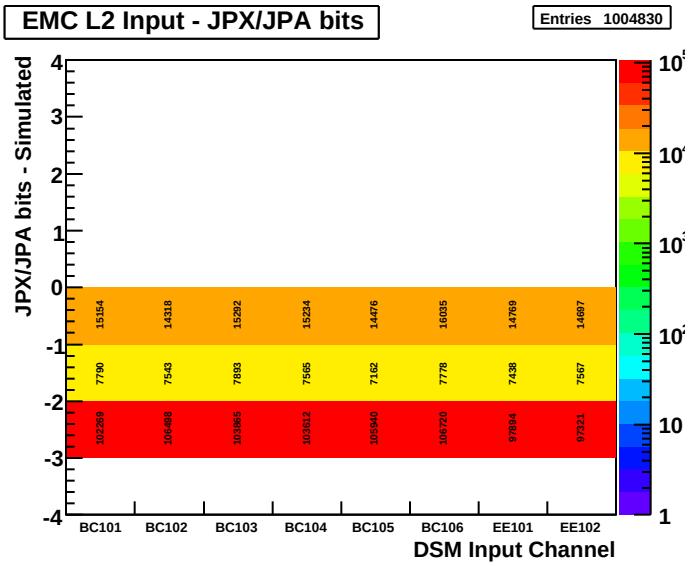

Endcap EMC L1 Input - High Eta Sum
Entries 1534812
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

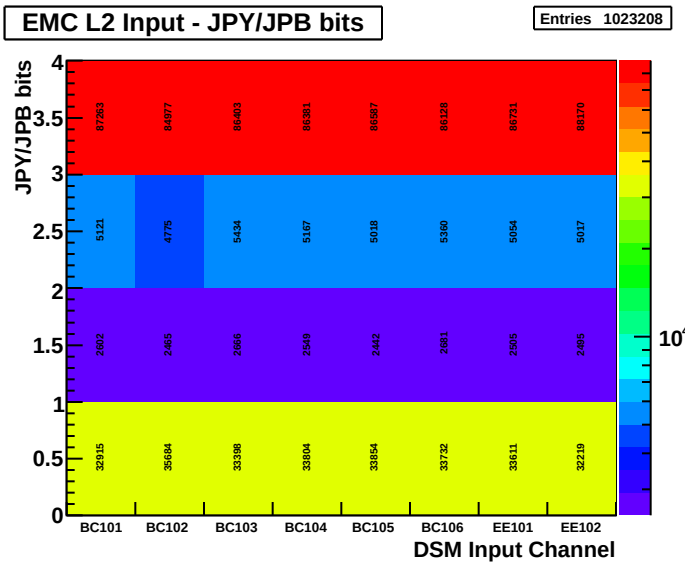

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

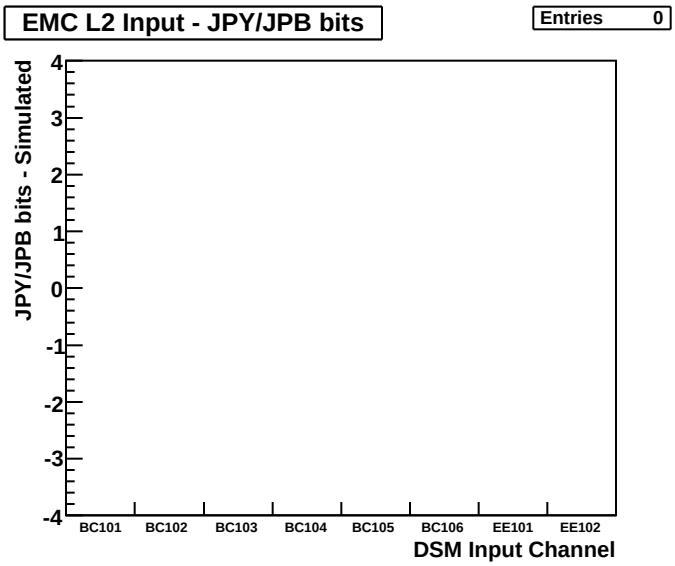

Endcap EMC L1 Input - High Tower Bits
Entries 1534812
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

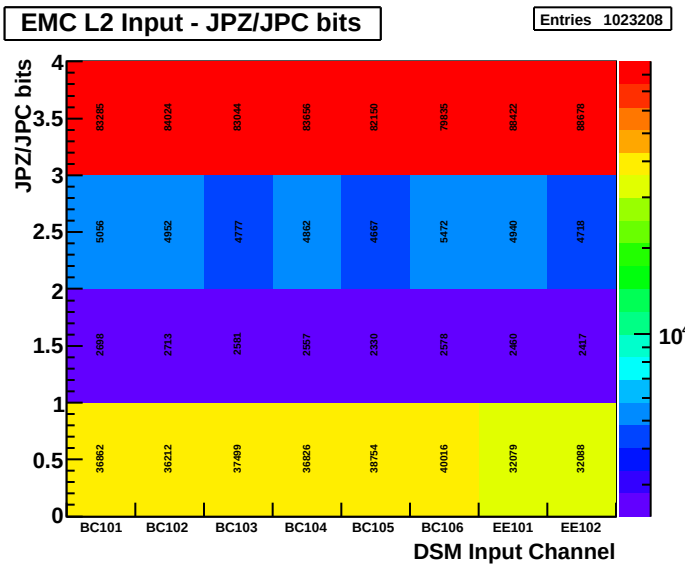

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

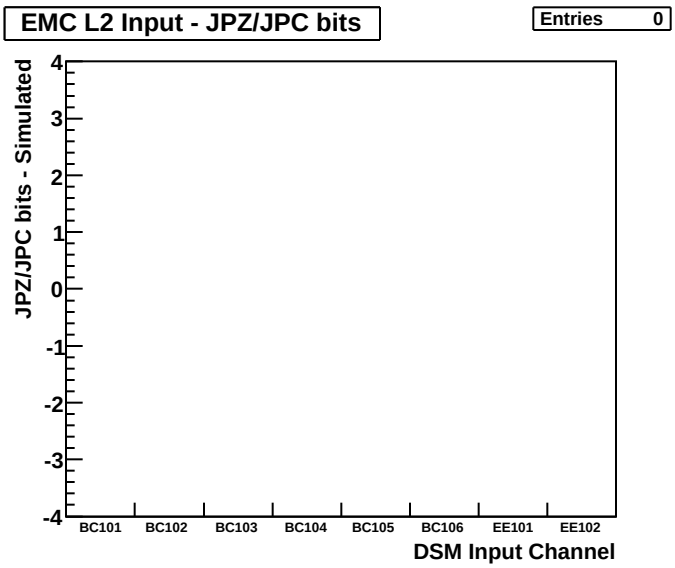

EMC L2 Input - JPX/JPA bits
Entries 1023208
JPX/JPA bits
87942 86343 87206 87255 87388 87207 88449 87270
4977 4591 5081 5205 4791 5203 4775 4962
2480 2365 2646 2459 2390 2519 2473 2655
32492 34602 32968 32982 33332 32972 32204 33014
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

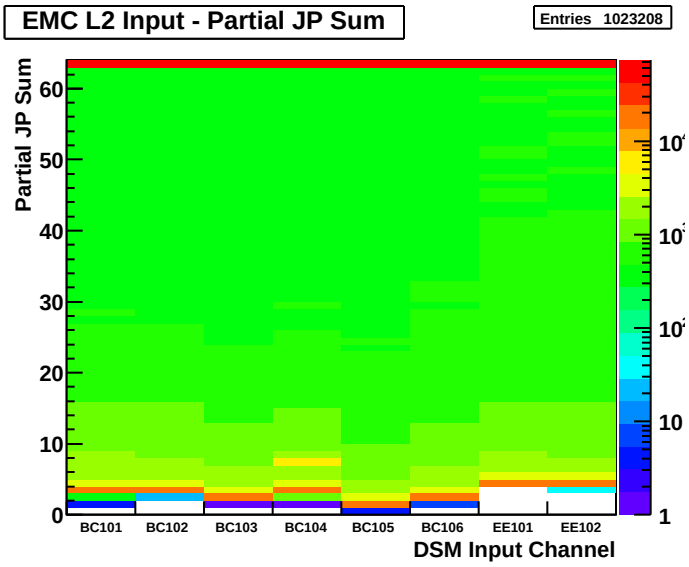

EMC L2 Input - JPX/JPA bits
Entries 1004830
JPX/JPA bits - Simulated
15154 14318 15292 15234 14476 16035 14769 14697
7790 7543 7893 7565 7162 7778 7438 7567
102269 100498 103865 103612 105940 106720 97894 97321
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

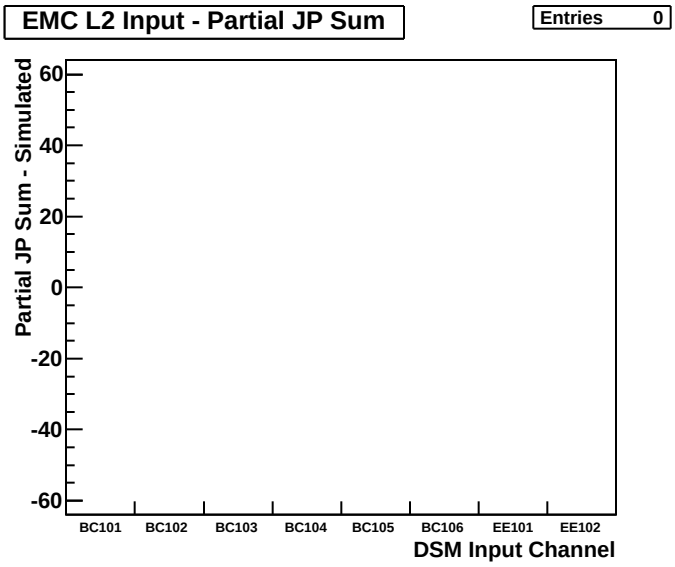

EMC L2 Input - JPY/JPB bits
Entries 1023208
JPY/JPB bits
87263 84977 85403 85381 85587 85128 85731 85170
5121 4775 5434 5167 5018 5360 5054 5017
2602 2455 2566 2549 2442 2681 2505 2495
32915 35684 33398 33804 33854 33732 33611 32219
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

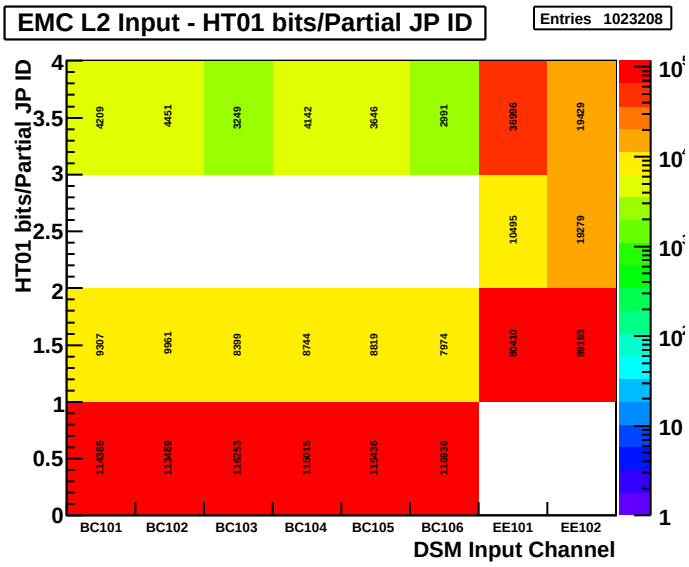

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

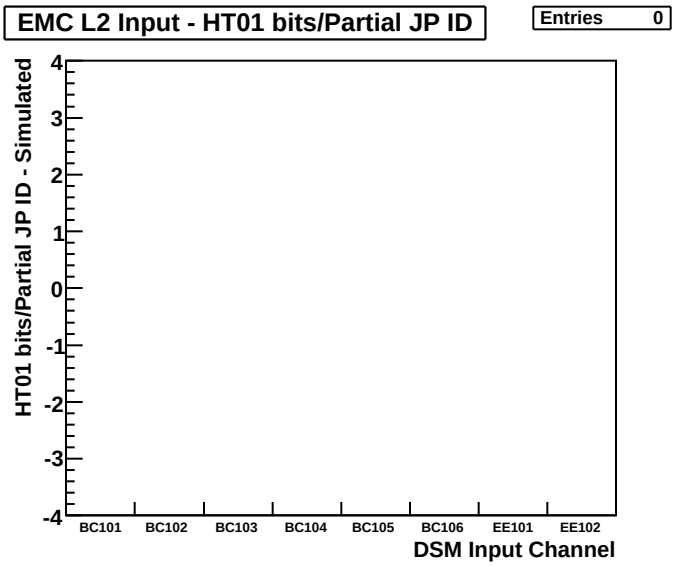

EMC L2 Input - JPZ/JPC bits
Entries 1023208
JPZ/JPC bits
83285 84024 83044 83656 82150 79835 88422 88678
5056 4952 4777 4862 4667 5472 4940 4718
2698 2713 2581 2557 2330 2578 2460 2417
36862 36212 37499 36826 38754 40016 32079 32088
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

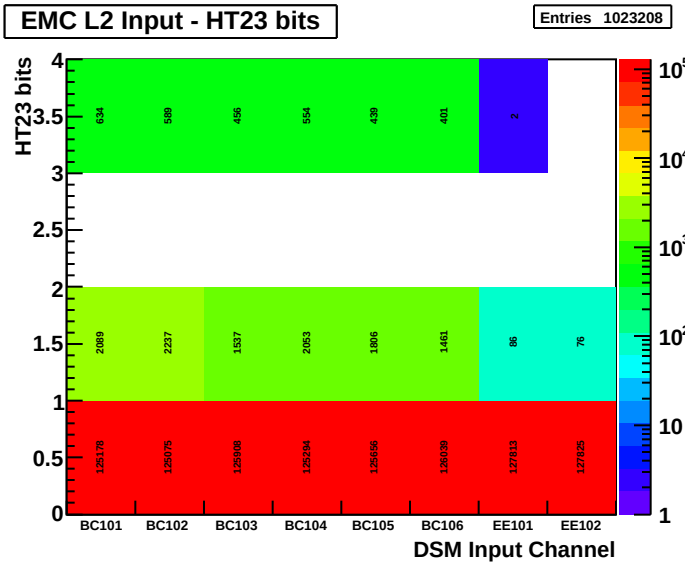

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

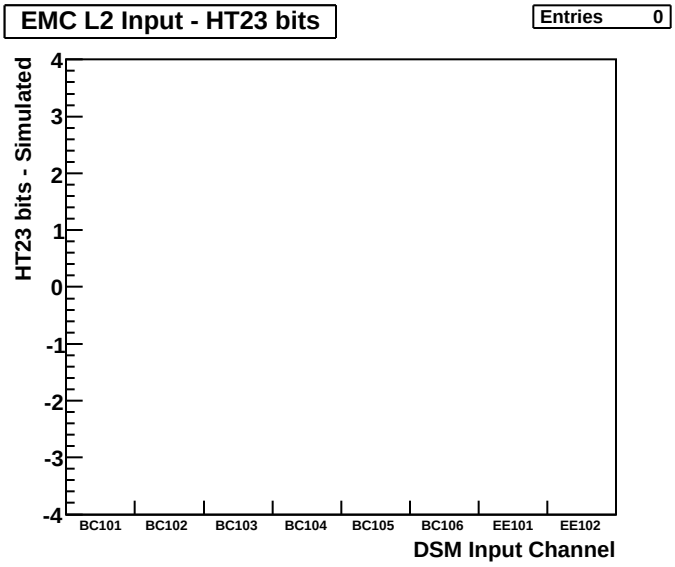

EMC L2 Input - Partial JP Sum
Entries 1023208
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

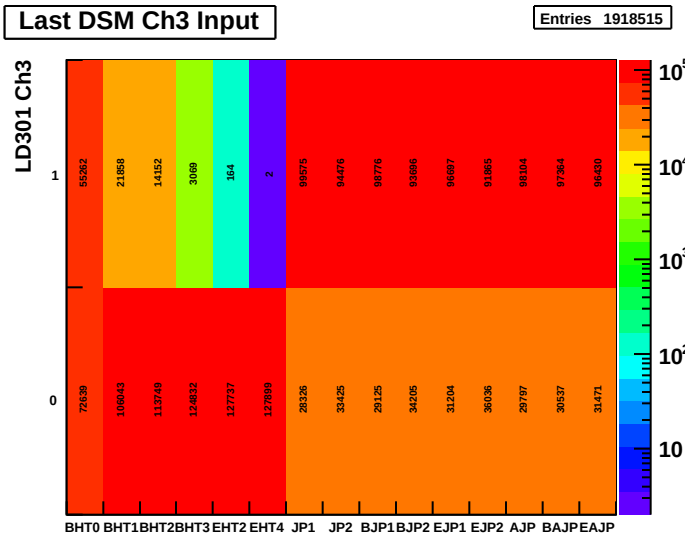

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

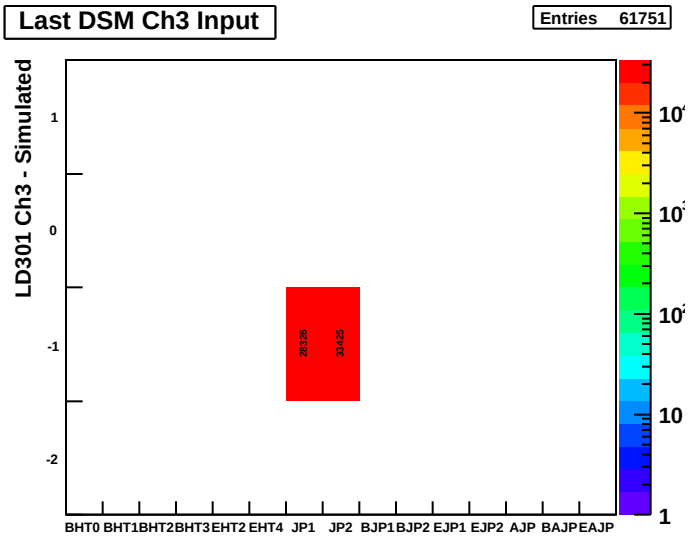

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1023208
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

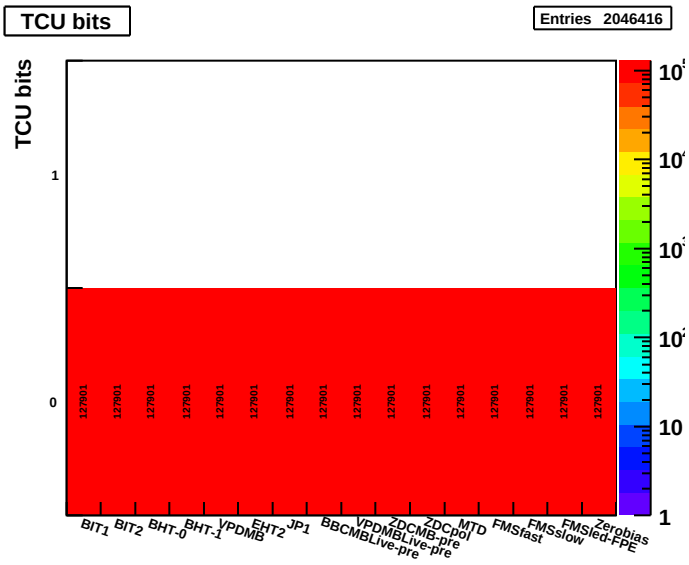

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

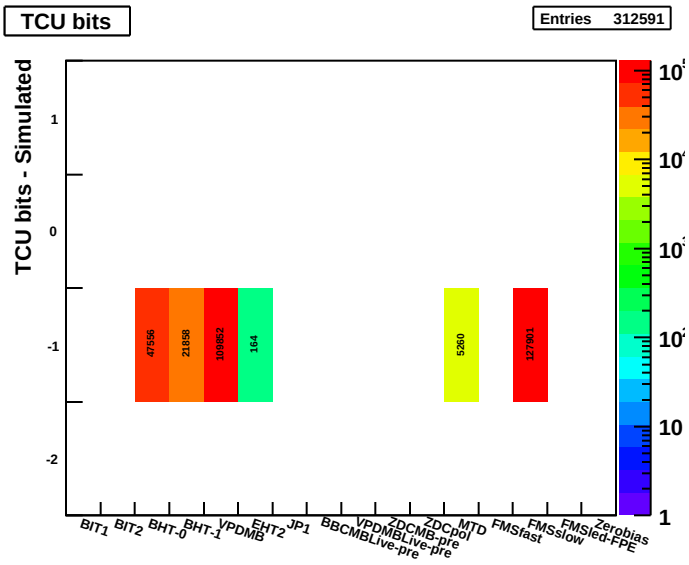

EMC L2 Input - HT23 bits
Entries 1023208
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

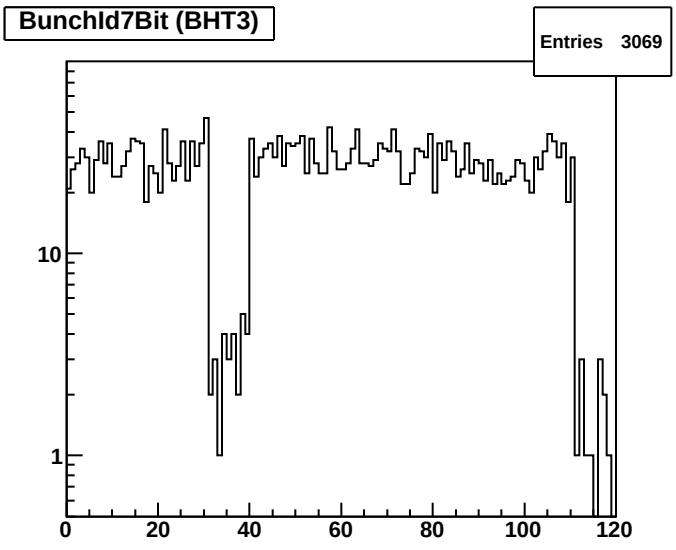

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

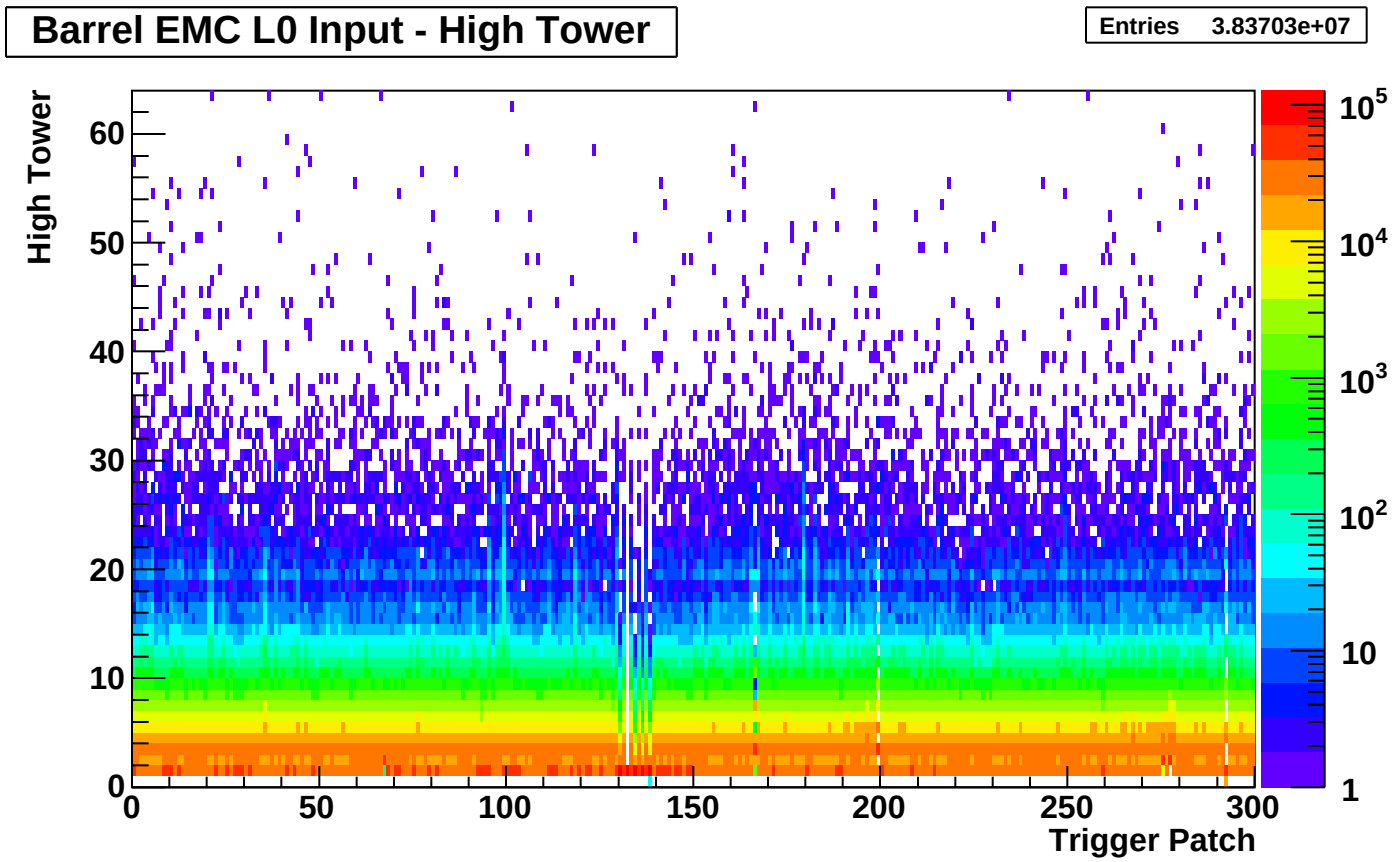

Last DSM Ch3 Input
Entries 1918515
LD301 Ch3
1
0
55262 21858 14152 3069 164 2 99575 94476 98776 93686 96697 91865 98104 97364 96430
72639 106043 113749 124832 127737 127899 28326 33425 29125 34205 31204 36036 29797 30537 31471
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

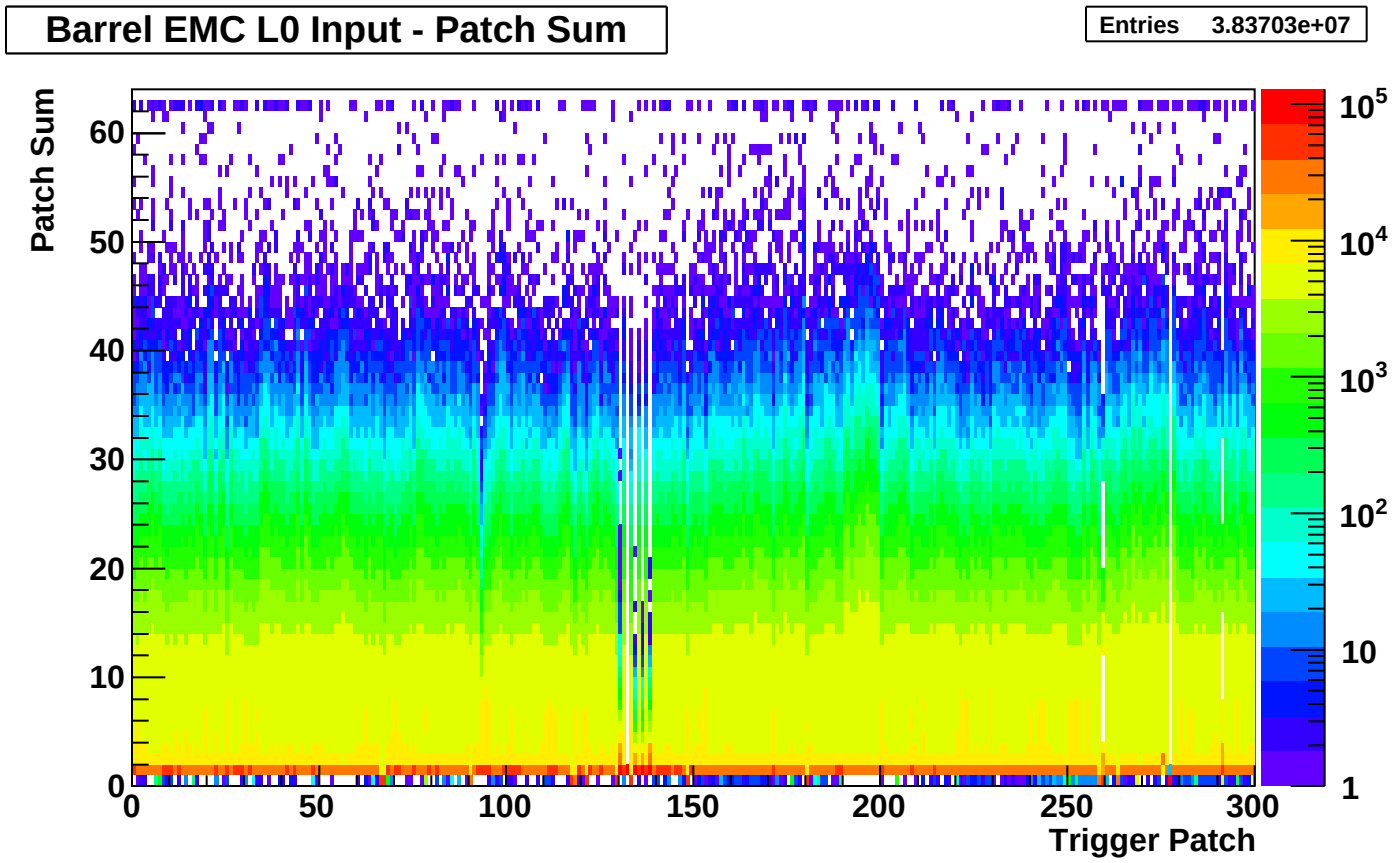

Last DSM Ch3 Input
Entries 61751
LD301 Ch3 - Simulated
1
0
-1
-2
28326 33425
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

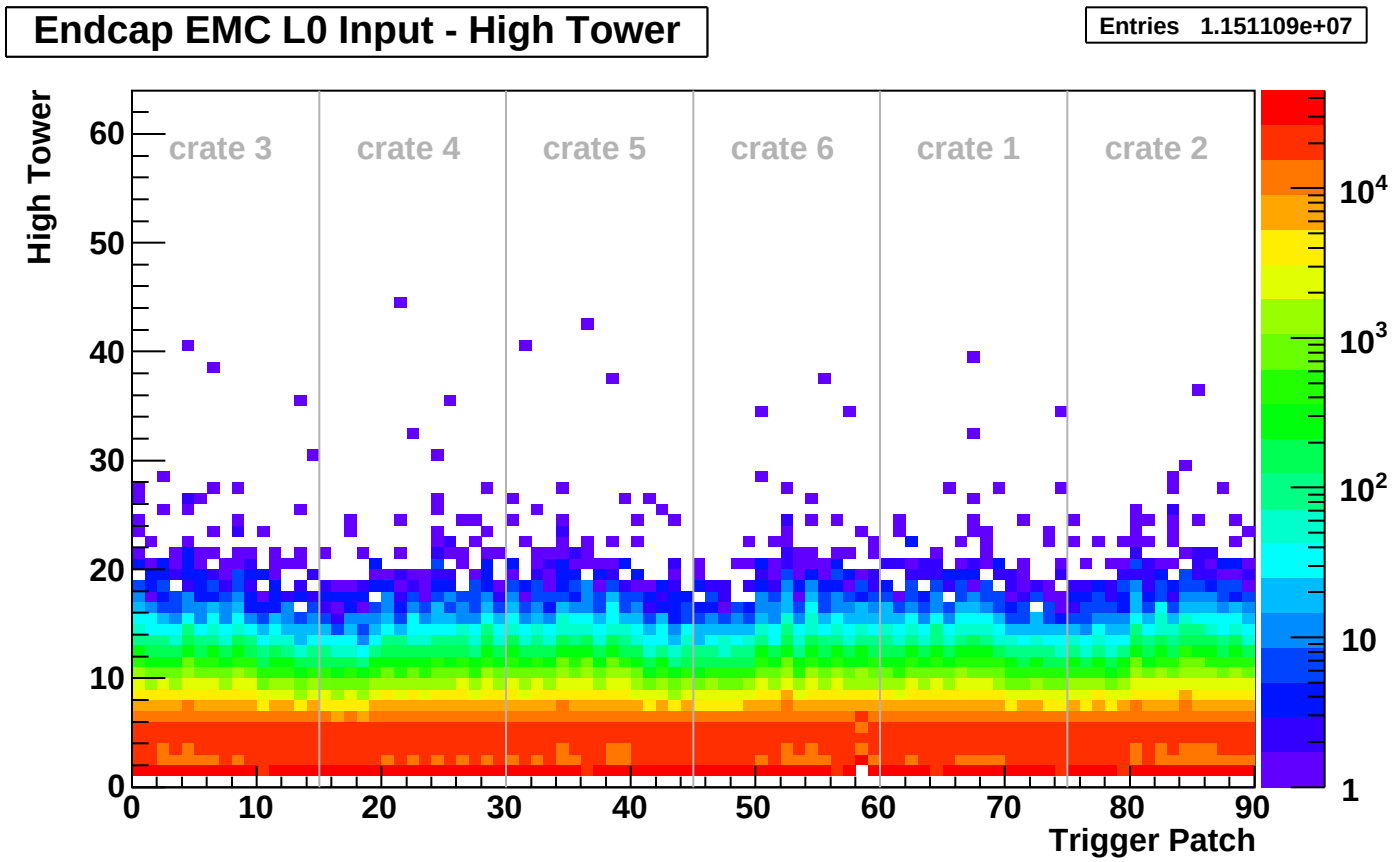

TCU bits
Entries 2046416
TCU bits
1
0
127901 127901 127901 127901 127901 127901 127901 127901 127901 127901 127901 127901 127901 127901 127901 127901
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

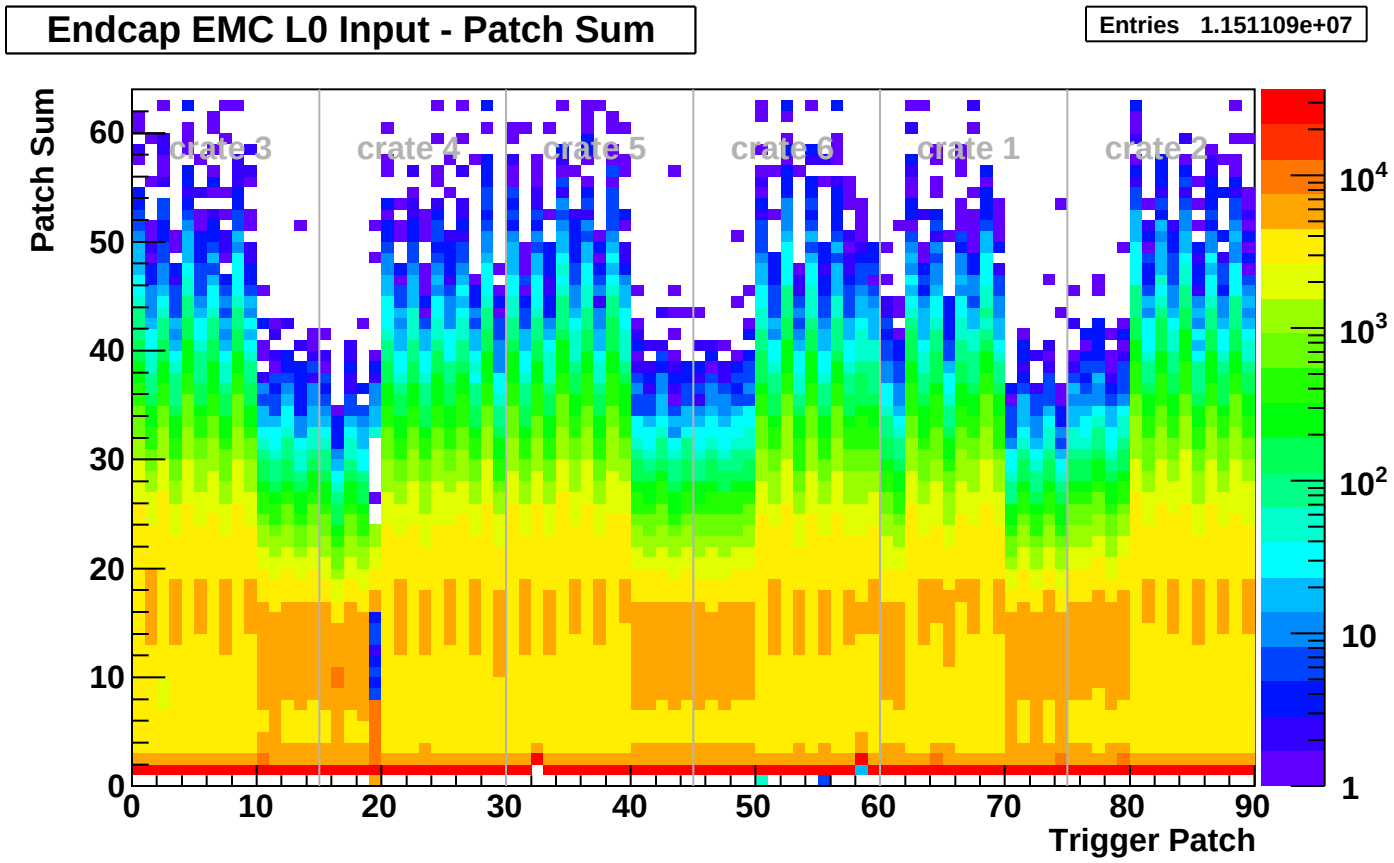

TCU bits
Entries 312591
TCU bits - Simulated
1
0
-1
-2
47556 21858 109852 164 5260 127901
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

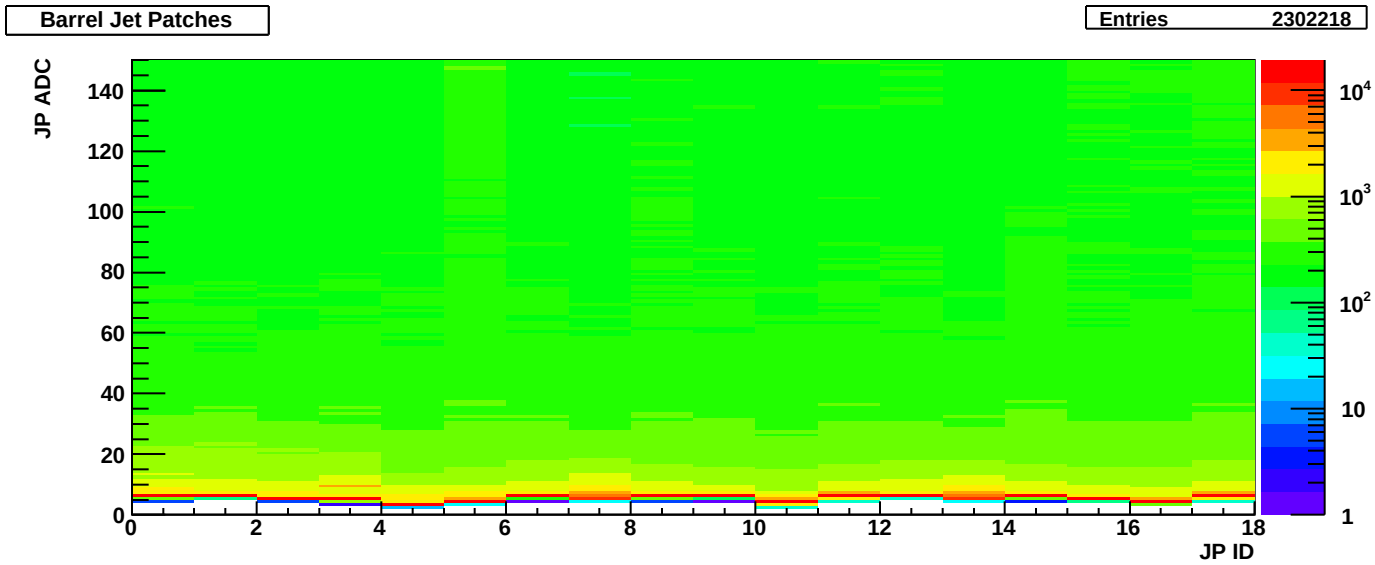

BunchId7Bit (BHT3)
Entries 3069
10
1
0 20 40 60 80 100 120

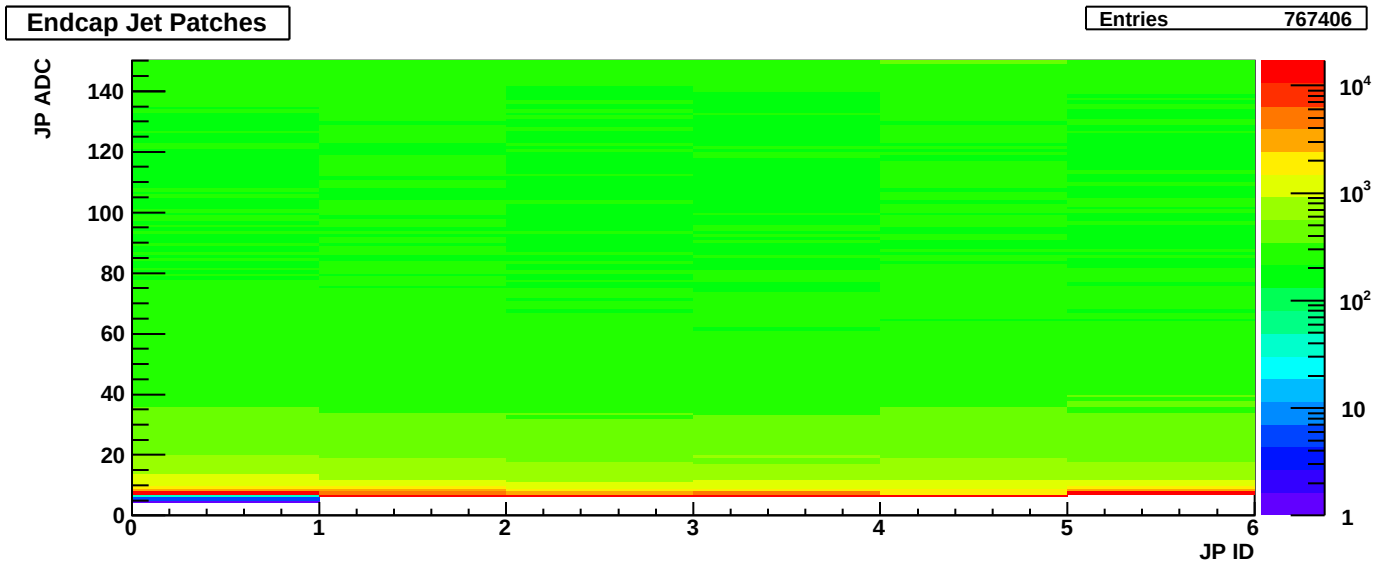

Barrel EMC L0 Input - High Tower
Entries 3.83703e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

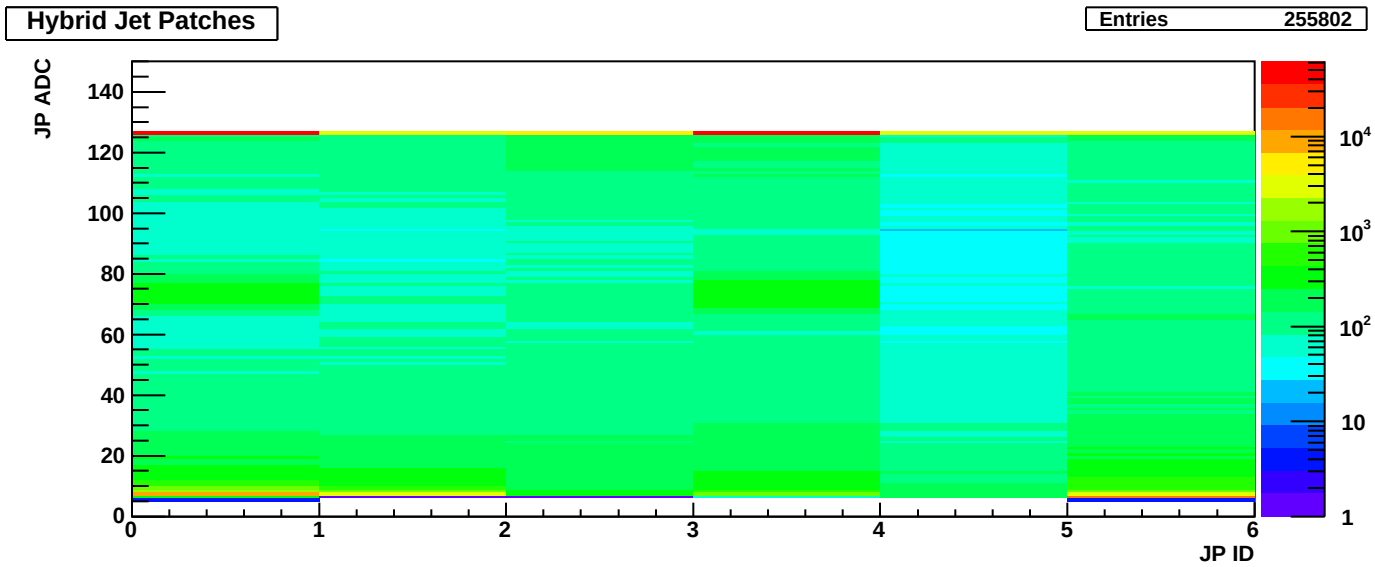

Barrel EMC L0 Input - Patch Sum
Entries 3.83703e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

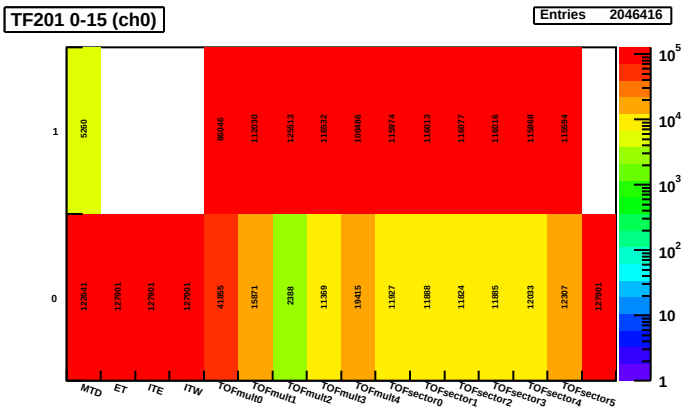

Endcap EMC L0 Input - High Tower
Entries 1.151109e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

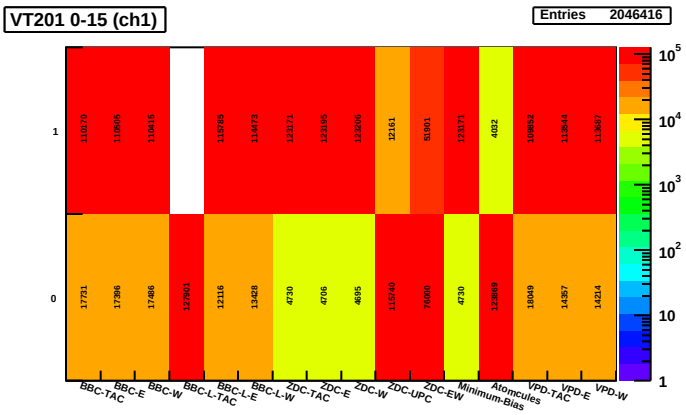

Endcap EMC L0 Input - Patch Sum
Entries 1.151109e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

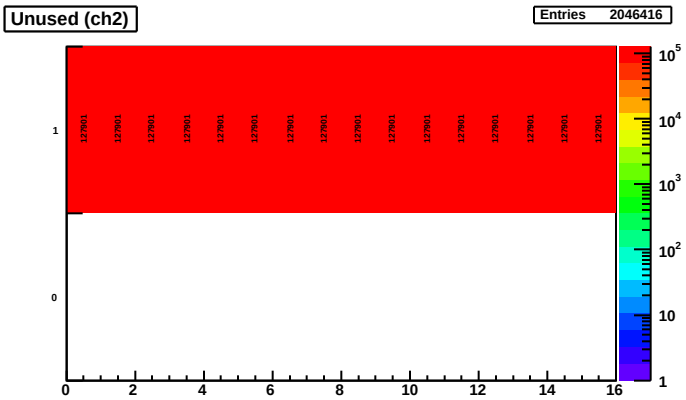

Barrel Jet Patches
Entries 2302218
JP ADC
JP ID

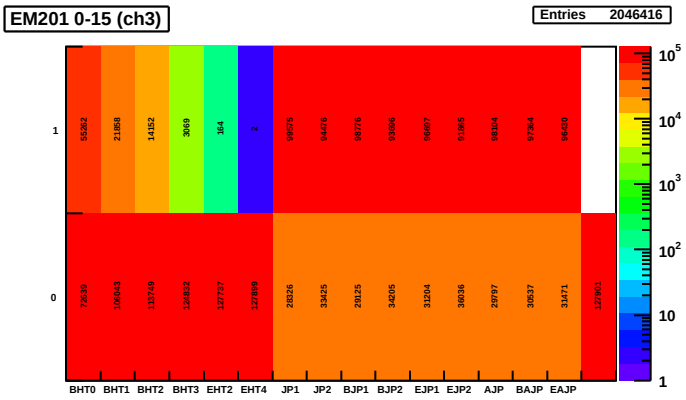

Endcap Jet Patches
Entries 767406
JP ADC
JP ID

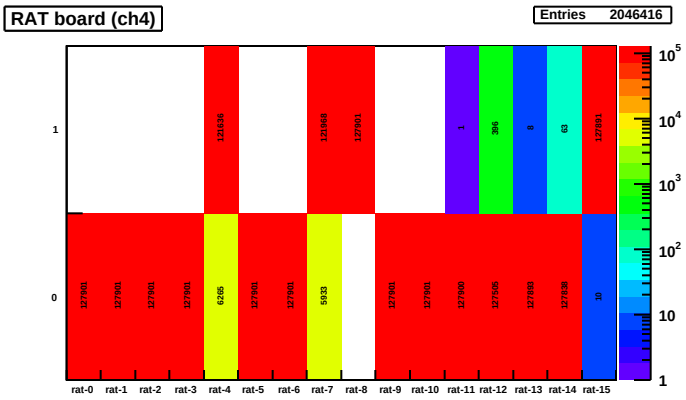

Hybrid Jet Patches
Entries 255802
JP ADC
JP ID

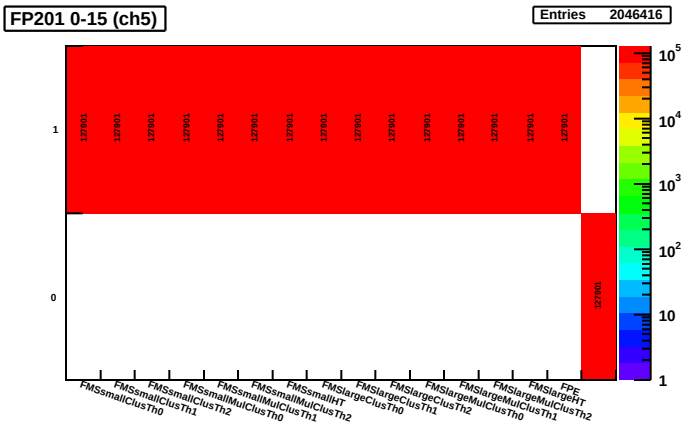

TF201 0-15 (ch0)
Entries 2046416
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

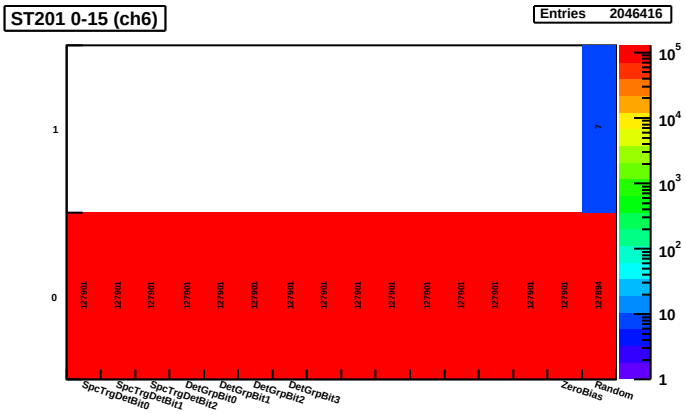

VT201 0-15 (ch1)
Entries 2046416
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

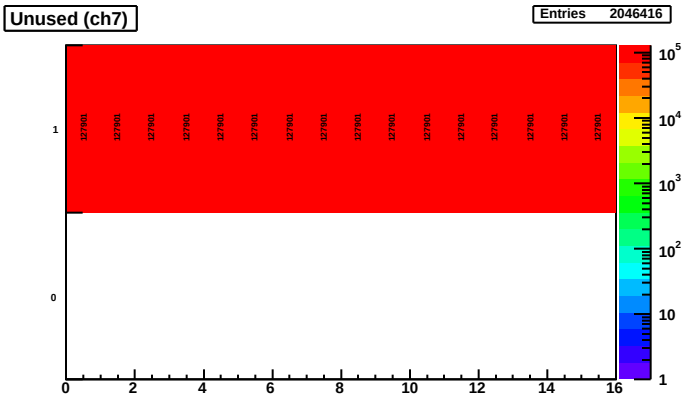

Unused (ch2)
Entries 2046416

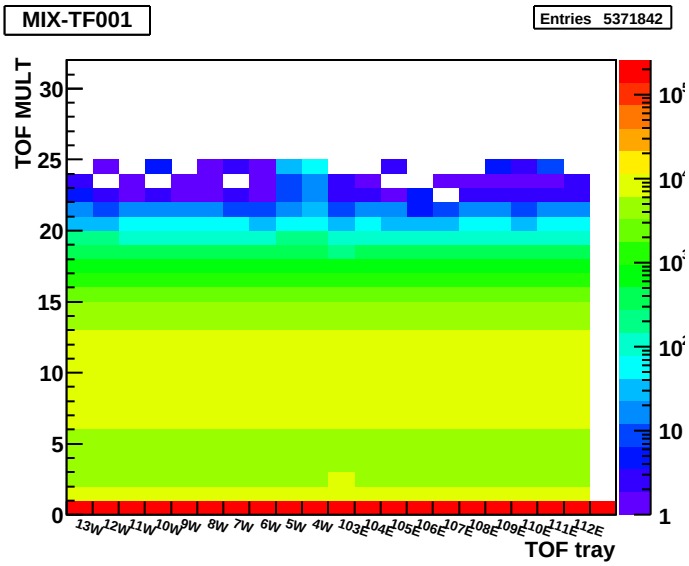

EM201 0-15 (ch3)
Entries 2046416
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

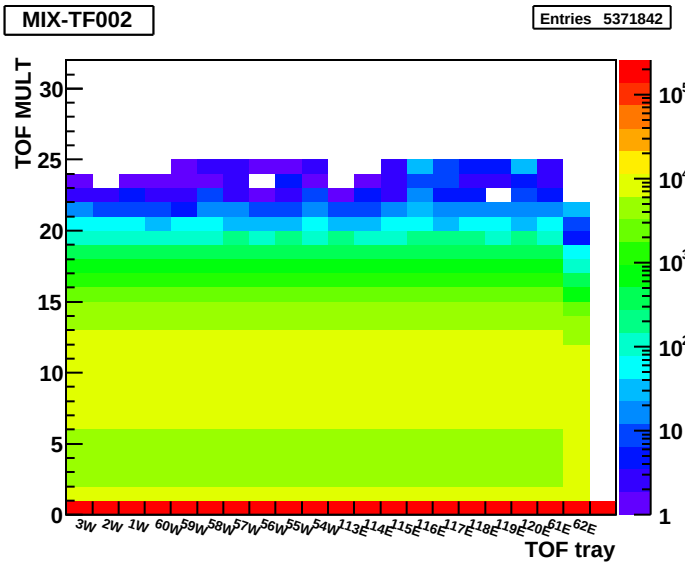

RAT board (ch4)
Entries 2046416
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

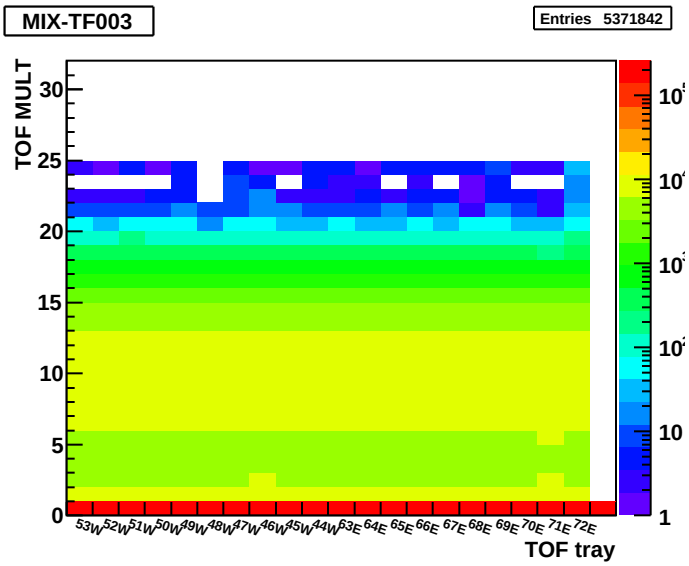

FP201 0-15 (ch5)
Entries 2046416
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

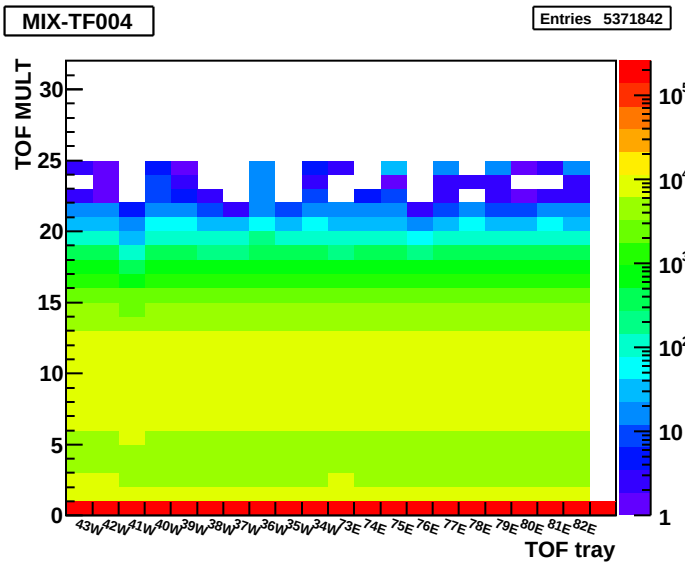

ST201 0-15 (ch6)
Entries 2046416
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

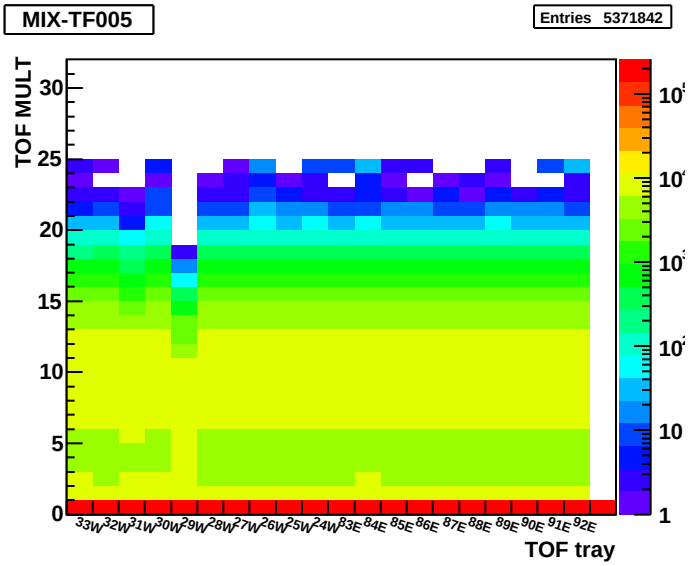

Unused (ch7)
Entries 2046416

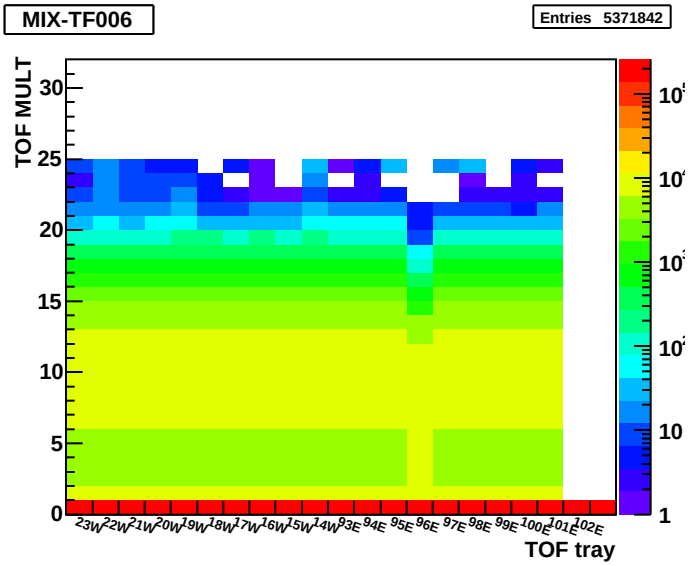

MIX-TF001
Entries 5371842
TOF MULT
TOF tray

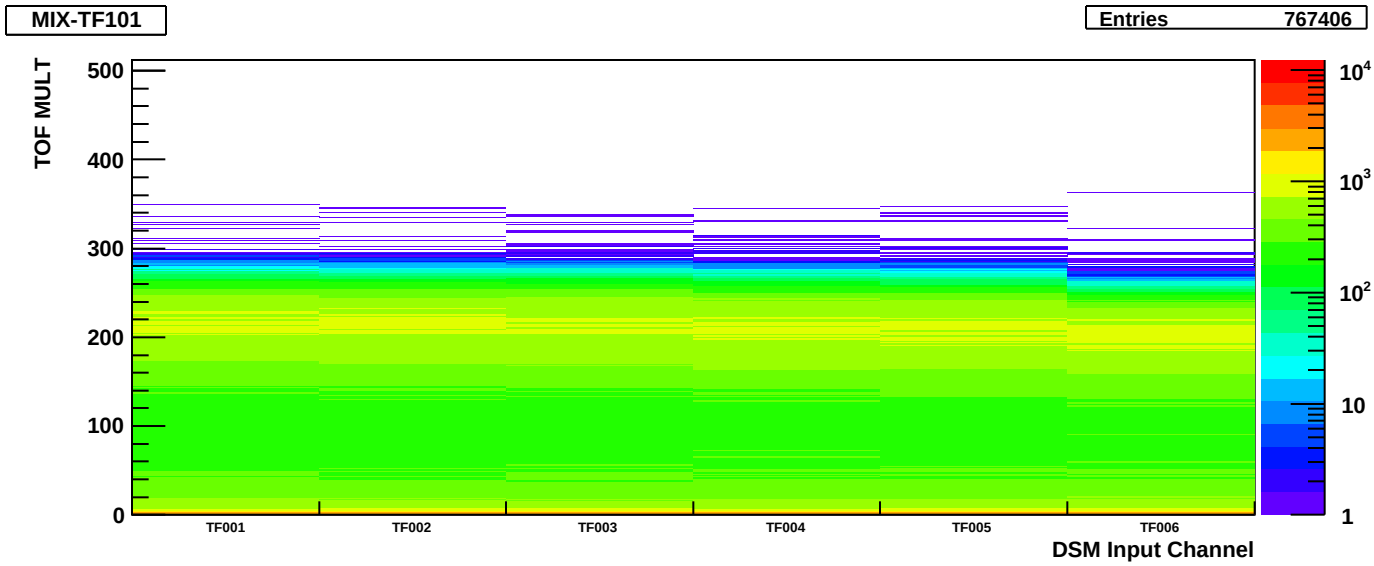

MIX-TF002
Entries 5371842
TOF MULT
TOF tray

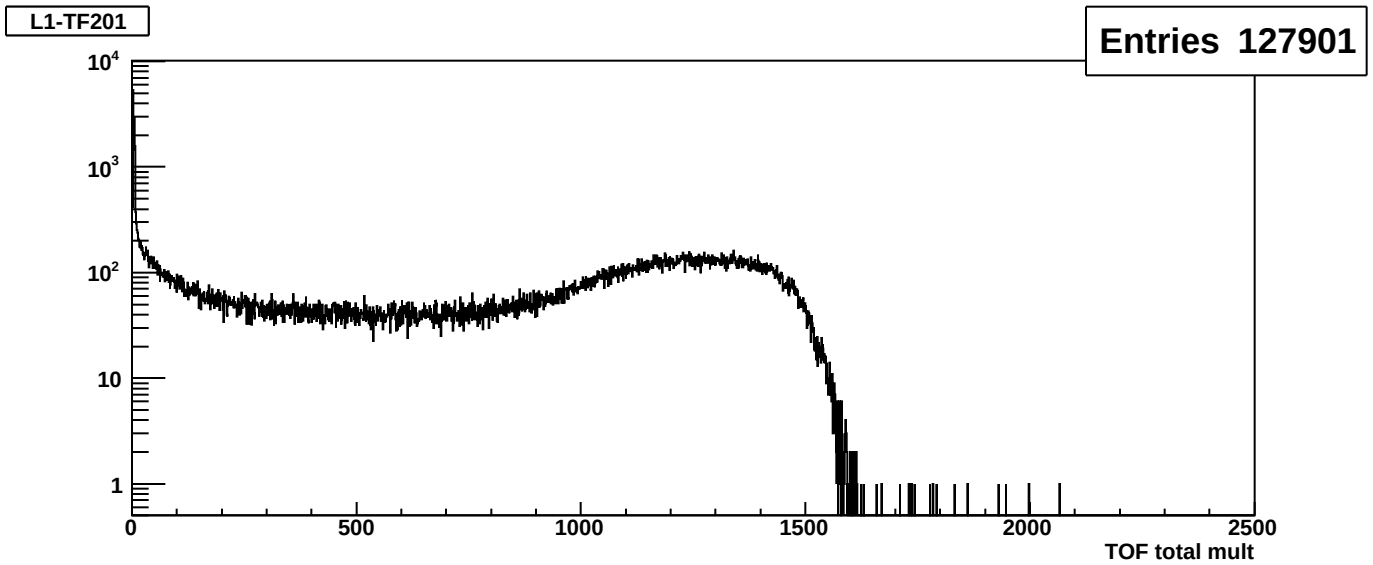

MIX-TF003
Entries 5371842
TOF MULT
TOF tray

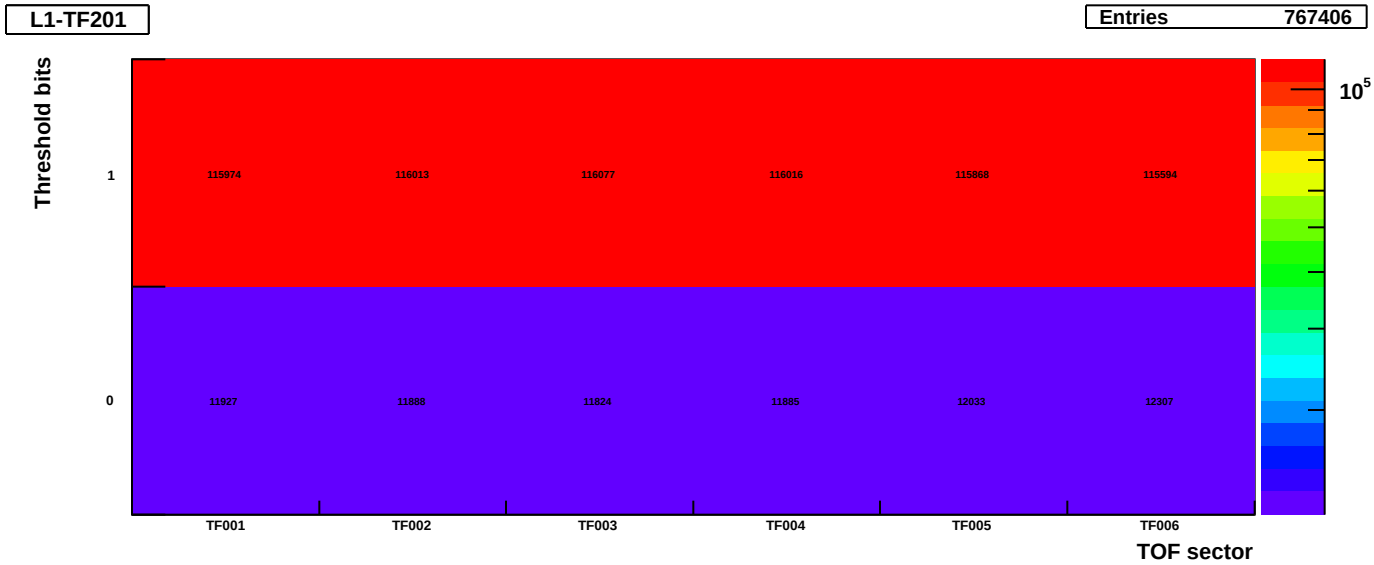

MIX-TF004
Entries 5371842
TOF MULT
TOF tray

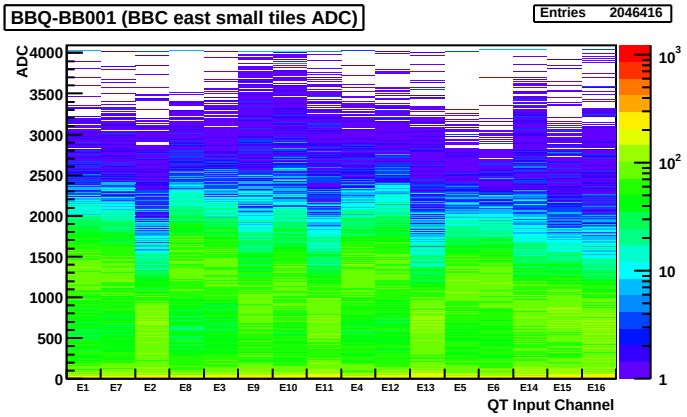

MIX-TF005
Entries 5371842
TOF MULT
TOF tray

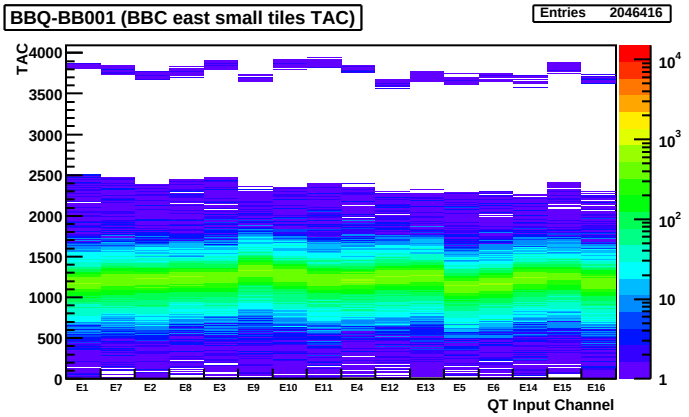

MIX-TF006
Entries 5371842
TOF MULT
TOF tray

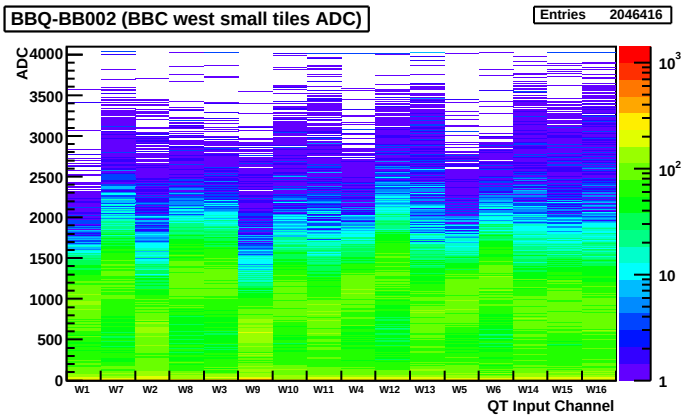

MIX-TF101
Entries 767406
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

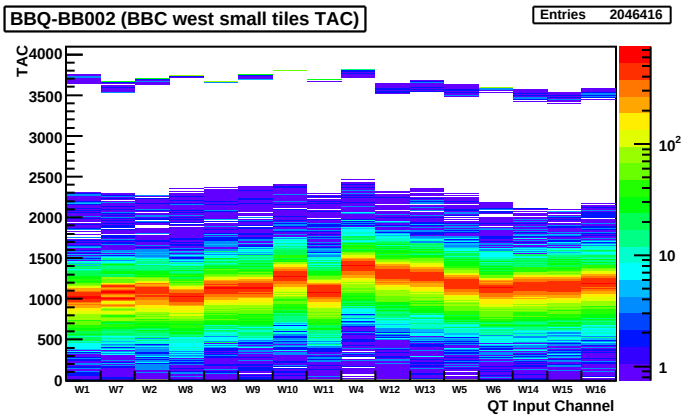

L1-TF201
Entries 127901
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

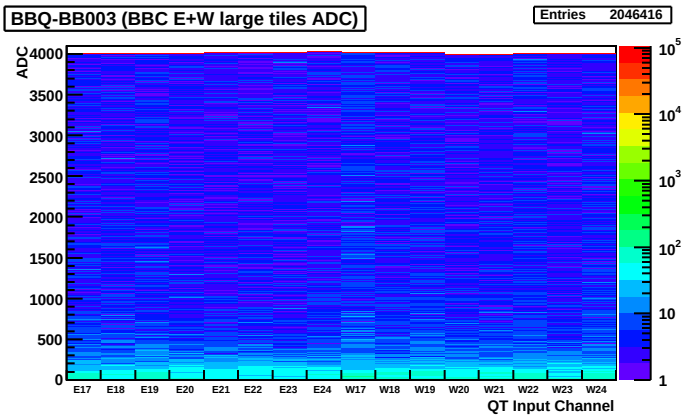

L1-TF201
Entries 767406
Threshold bits
1
0
115974
116013
116077
116016
115868
115594
11927
11888
11824
11885
12033
12307
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

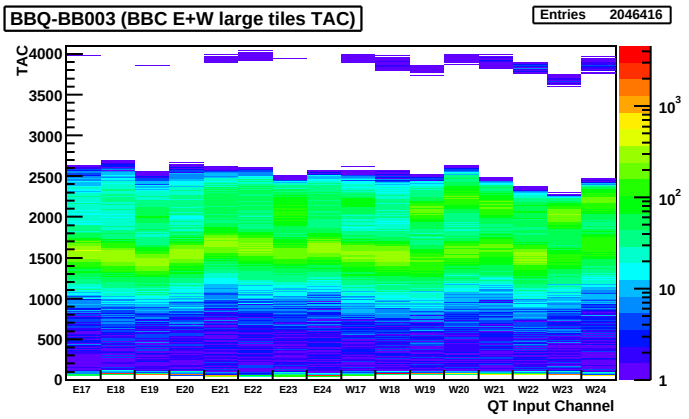

BBQ-BB001 (BBC east small tiles ADC)
Entries 2046416
ADC
QT Input Channel

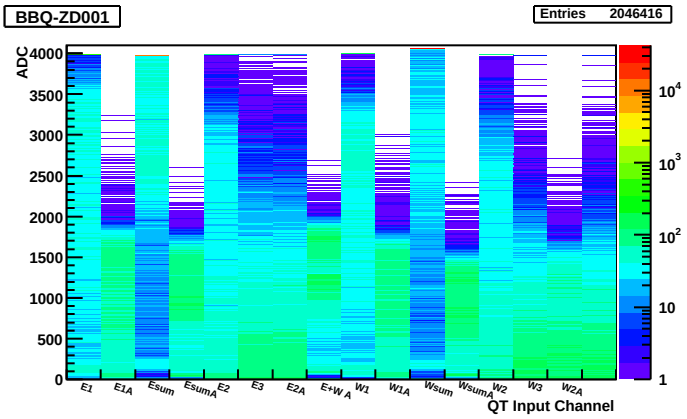

BBQ-BB001 (BBC east small tiles TAC)
Entries 2046416
TAC
QT Input Channel

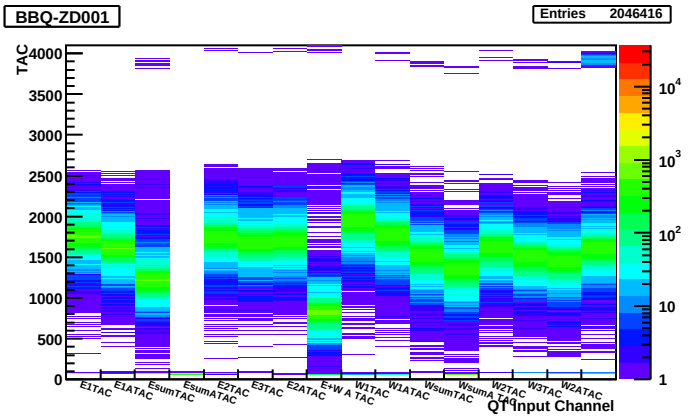

BBQ-BB002 (BBC west small tiles ADC)
Entries 2046416
ADC
QT Input Channel

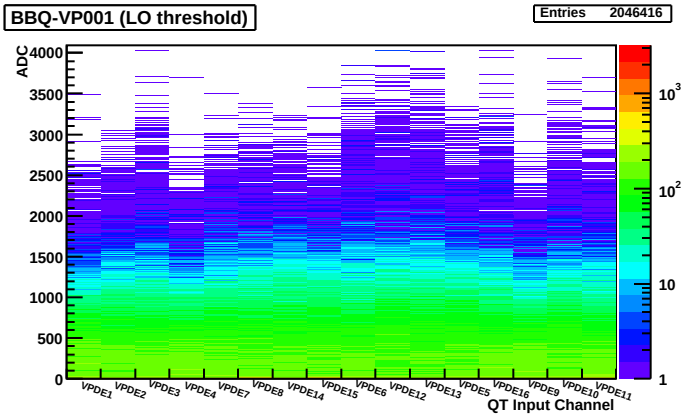

BBQ-BB002 (BBC west small tiles TAC)
Entries 2046416
TAC
QT Input Channel

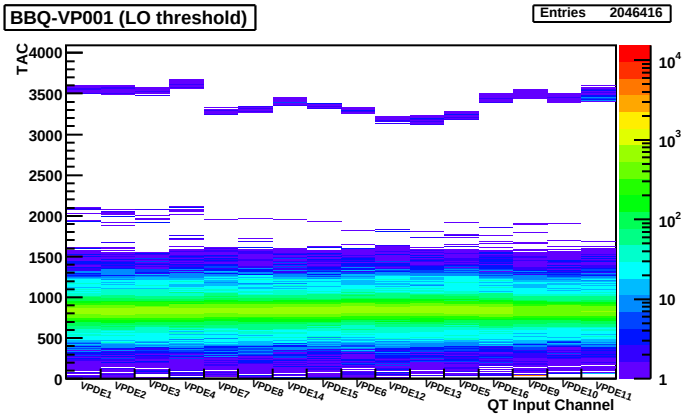

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2046416
ADC
QT Input Channel

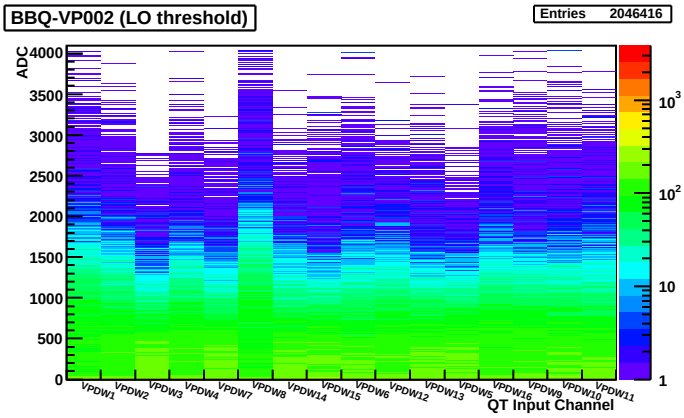

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2046416
TAC
QT Input Channel

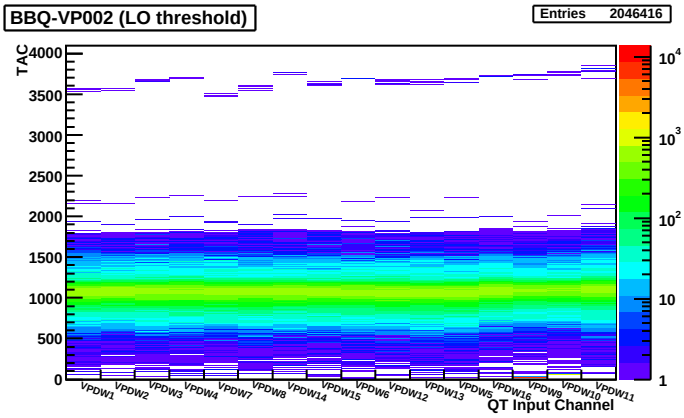

BBQ-ZD001
Entries 2046416
ADC
QT Input Channel

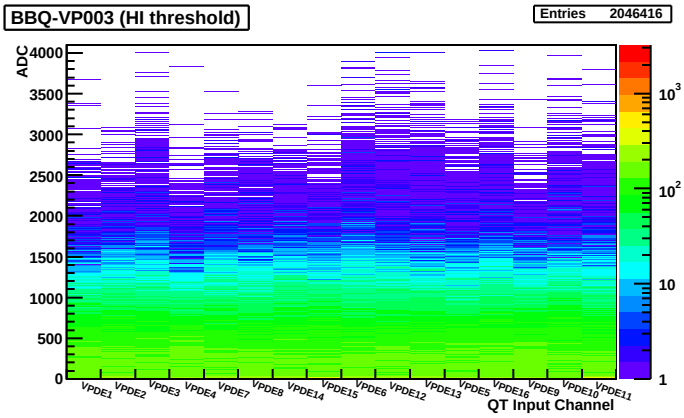

BBQ-ZD001
Entries 2046416
TAC
QT Input Channel

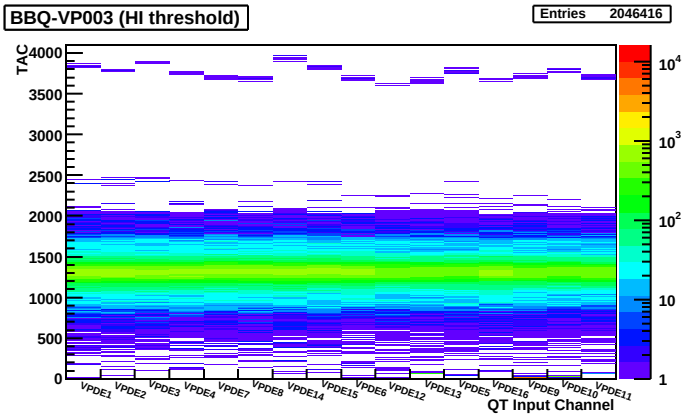

BBQ-VP001 (LO threshold)
Entries 2046416
ADC
QT Input Channel

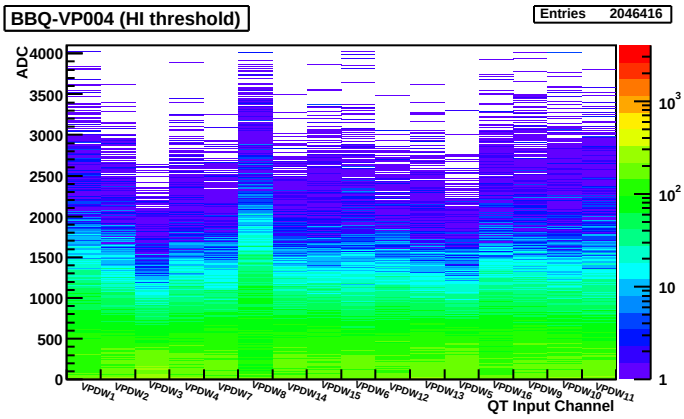

BBQ-VP001 (LO threshold)
Entries 2046416
TAC
QT Input Channel

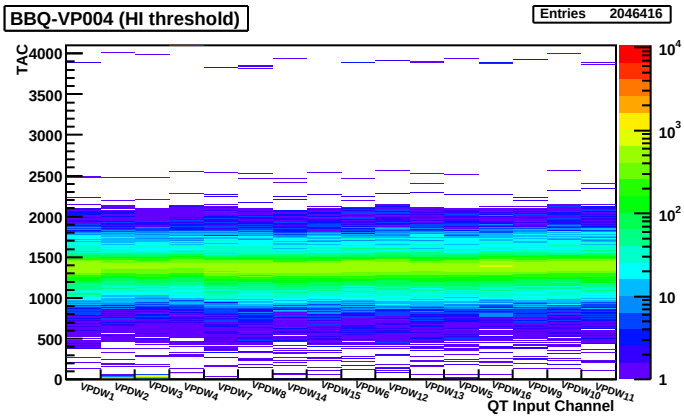

BBQ-VP002 (LO threshold)
Entries 2046416
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 2046416
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 2046416
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 2046416
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 2046416
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 2046416
TAC
QT Input Channel