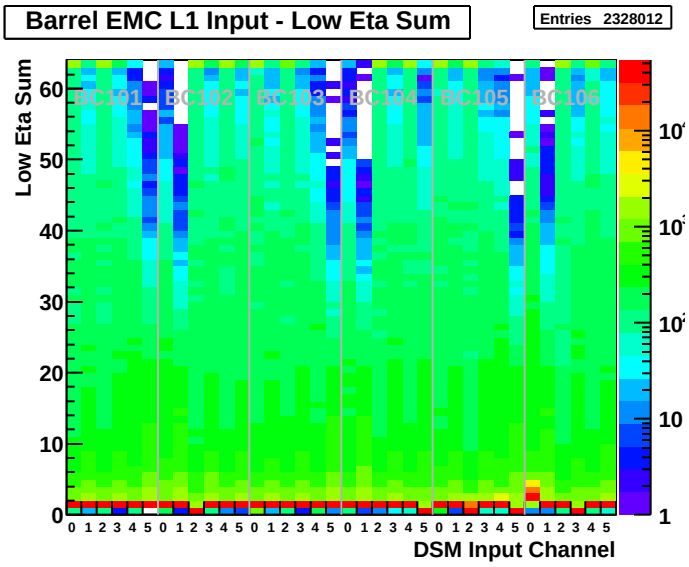
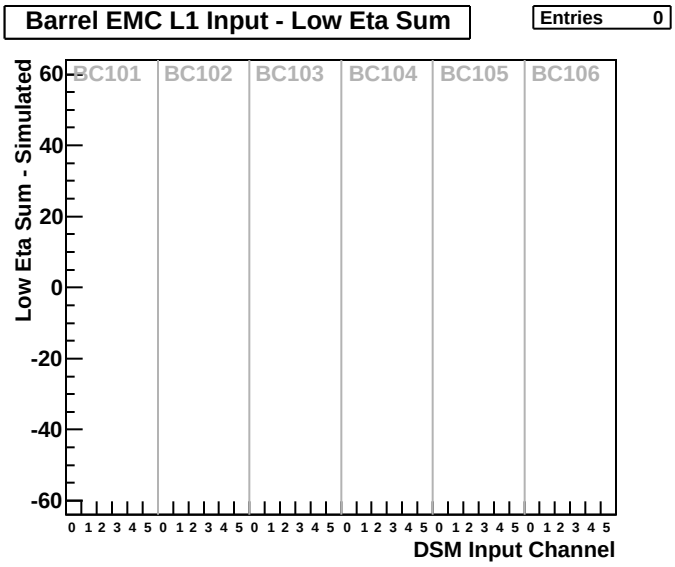
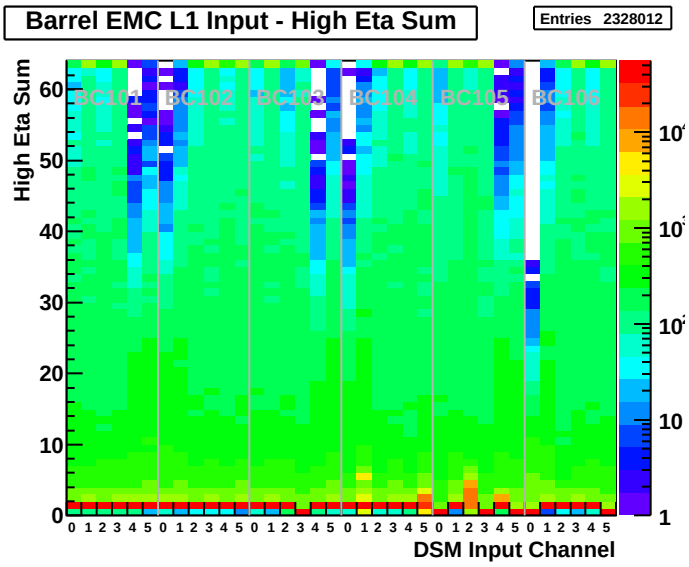
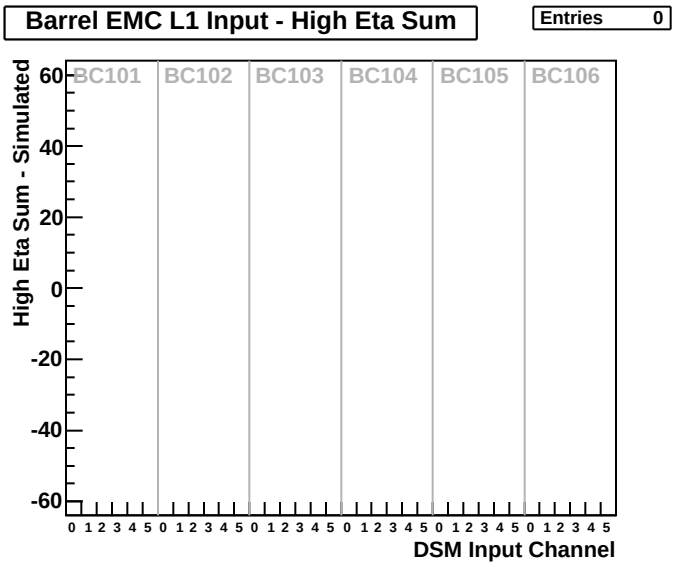
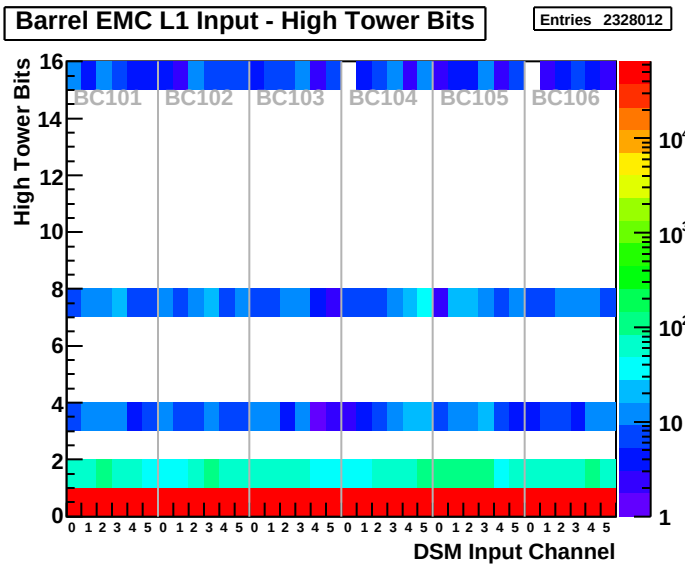
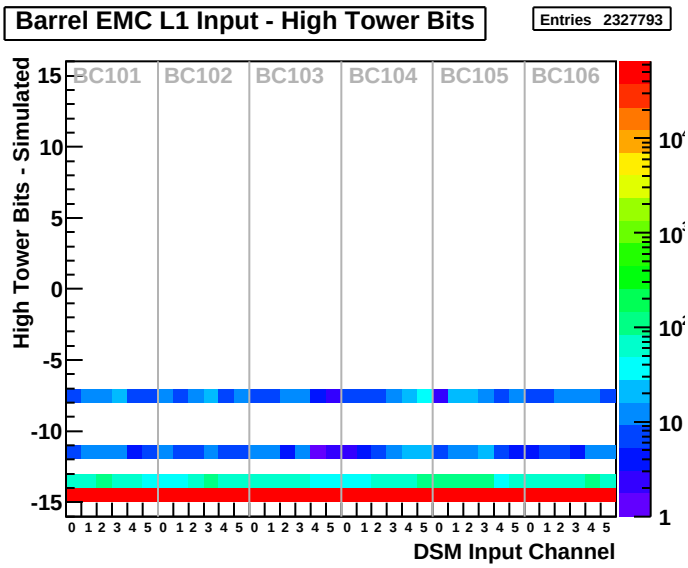

Barrel EMC L1 Input - Low Eta Sum
Entries 2328012
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

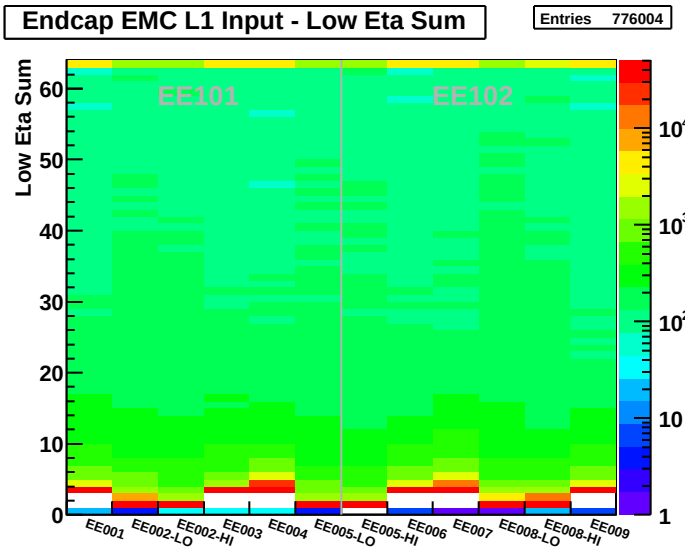

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

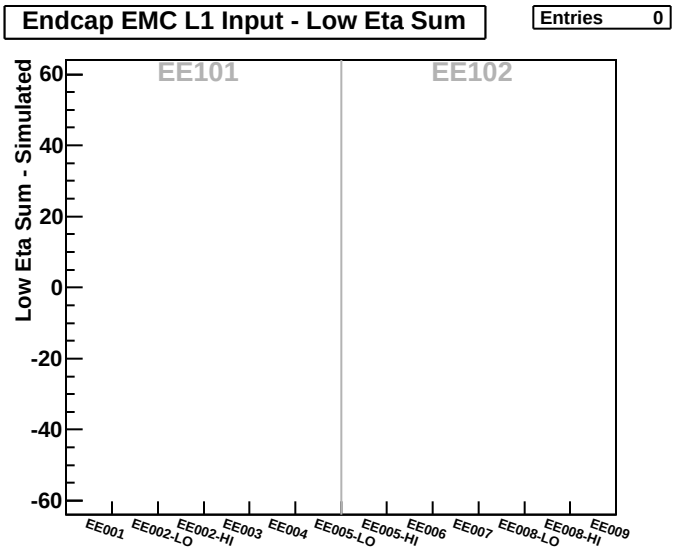

Barrel EMC L1 Input - High Eta Sum
Entries 2328012
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

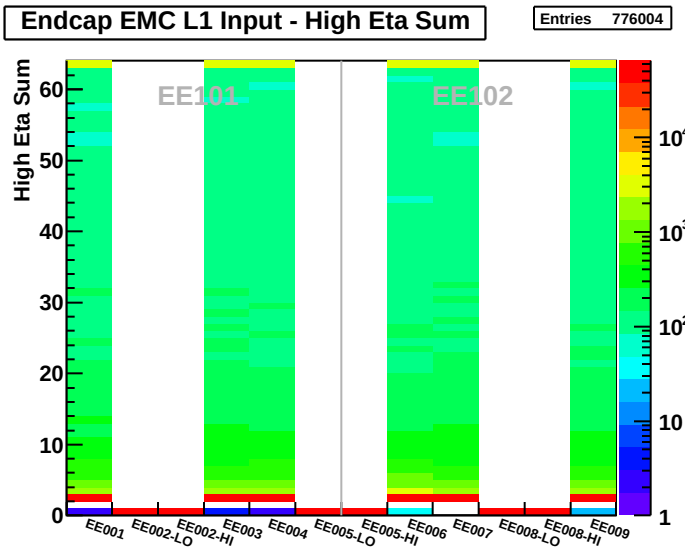

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

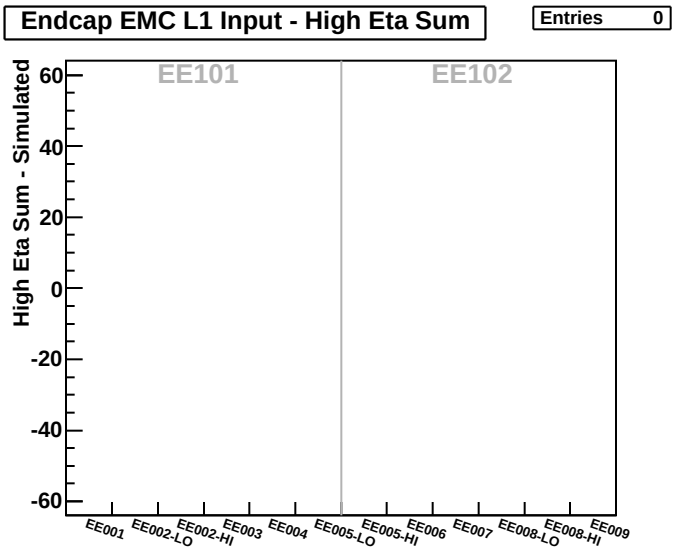

Barrel EMC L1 Input - High Tower Bits
Entries 2328012
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

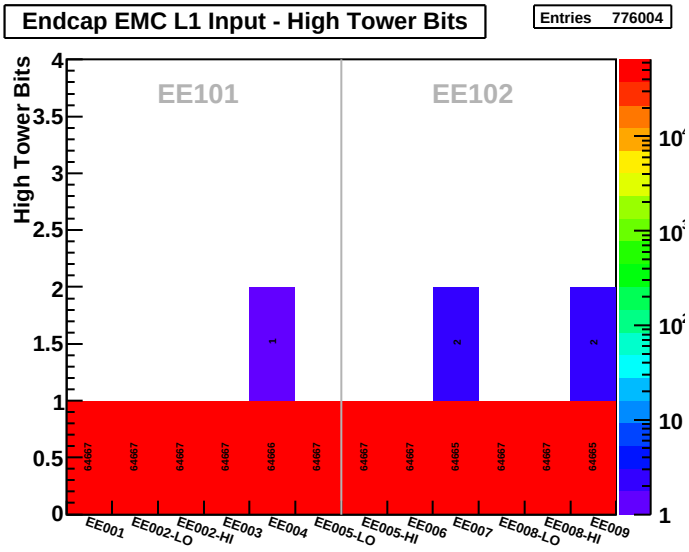

Barrel EMC L1 Input - High Tower Bits
Entries 2327793
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

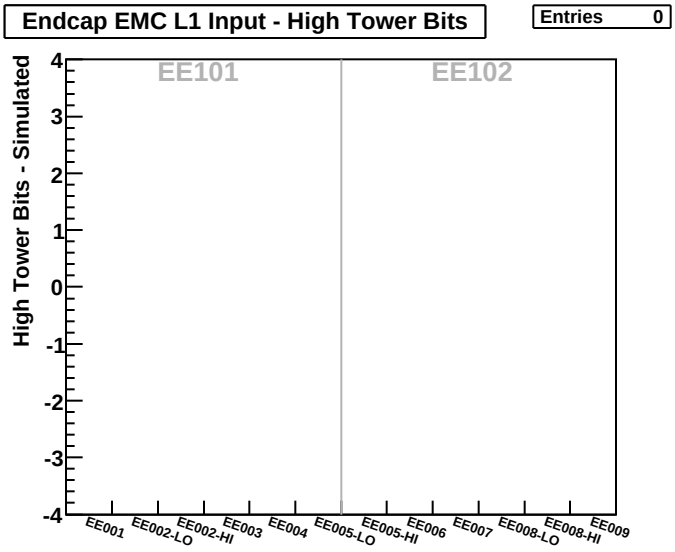

Endcap EMC L1 Input - Low Eta Sum
Entries 776004
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

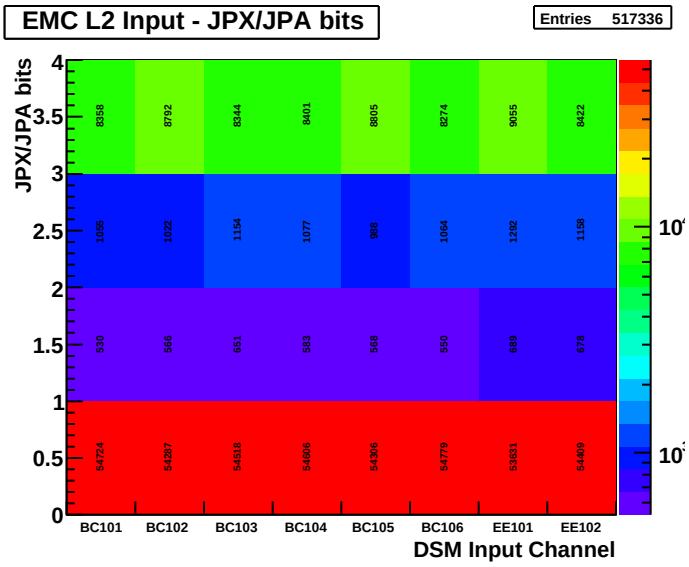

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

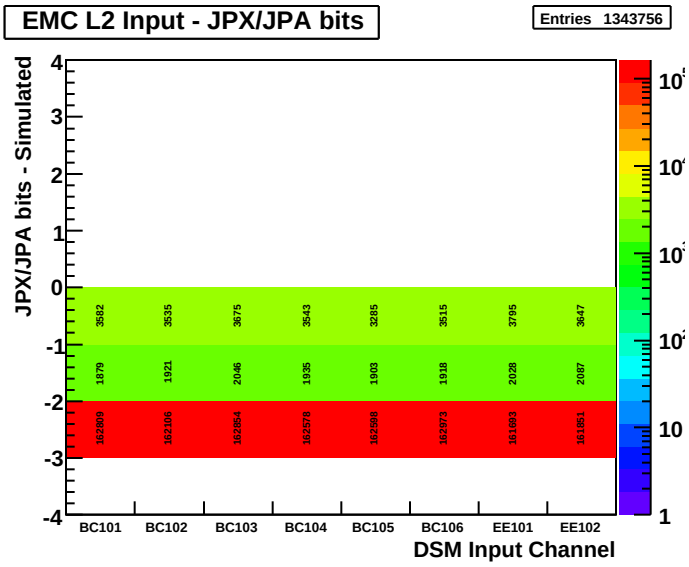

Endcap EMC L1 Input - High Eta Sum
Entries 776004
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

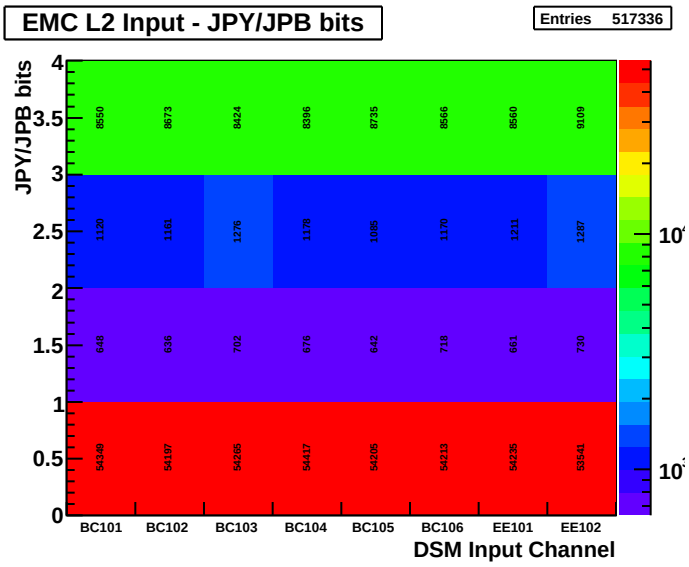

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

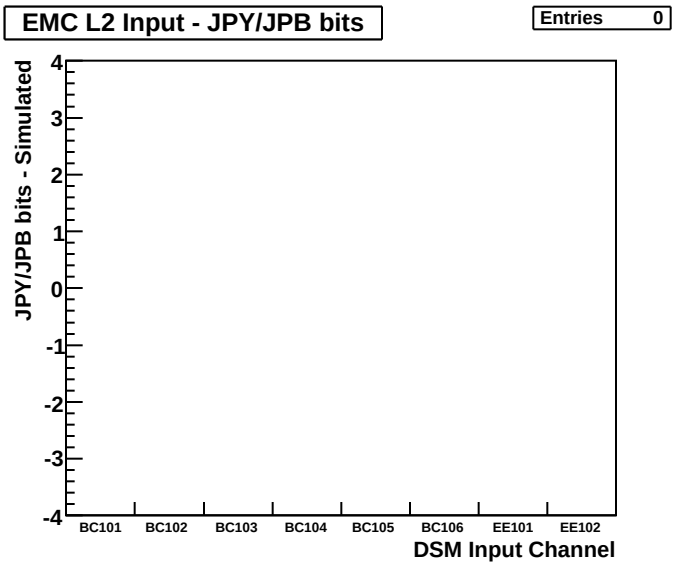

Endcap EMC L1 Input - High Tower Bits
Entries 776004
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

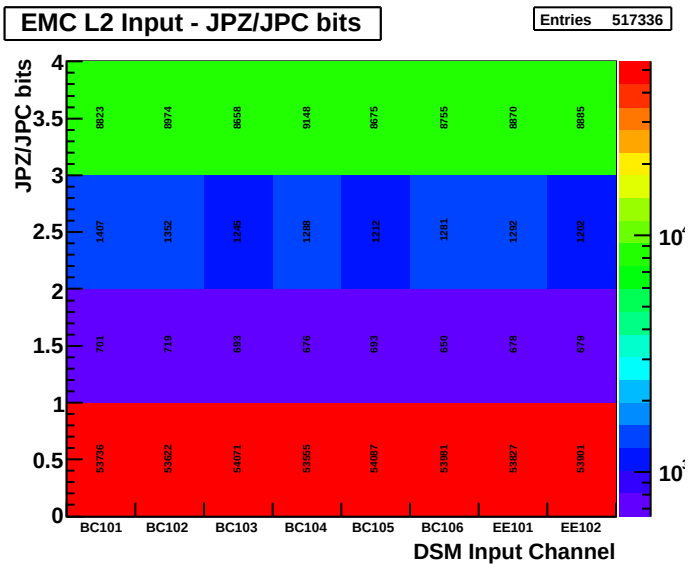

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

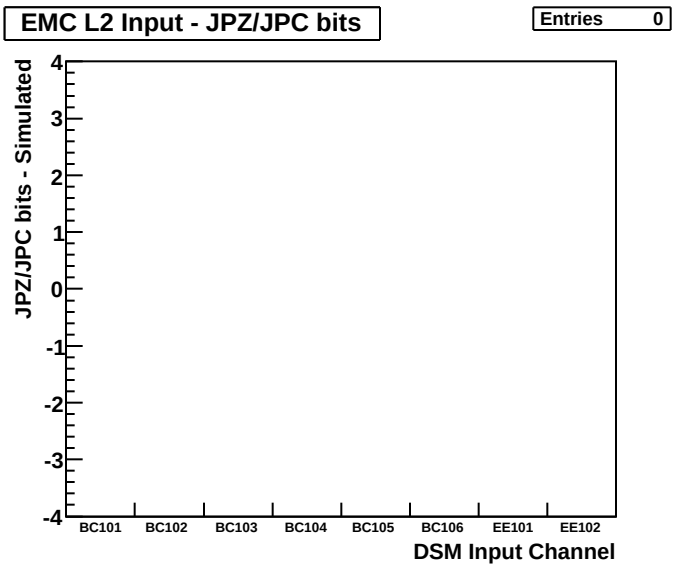

EMC L2 Input - JPX/JPA bits
Entries 517336
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
8358 8792 8344 8401 8805 8274 9055 8422
1055 1022 1154 1077 988 1064 1292 1158
530 566 651 583 568 550 689 678
54724 54287 54518 54606 54306 54779 53631 54409

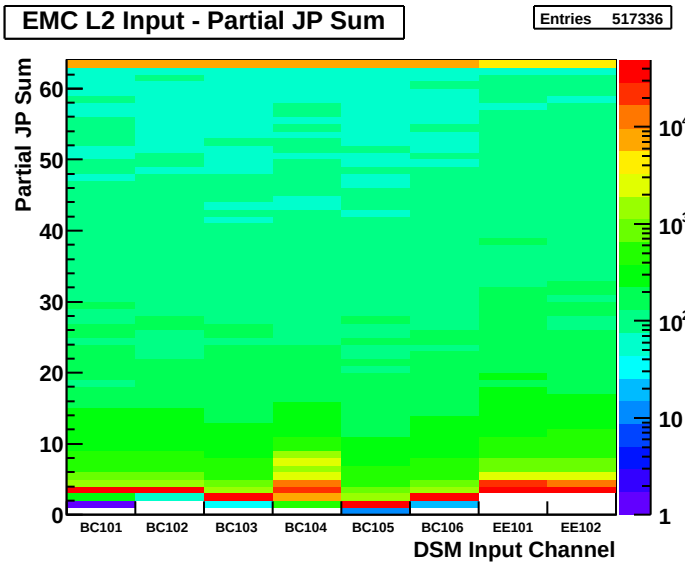

EMC L2 Input - JPX/JPA bits
Entries 1343756
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
3582 3535 3675 3543 3285 3515 3795 3647
1879 1921 2046 1935 1903 1918 2028 2087
162809 162106 162854 162578 162598 162973 161693 161851

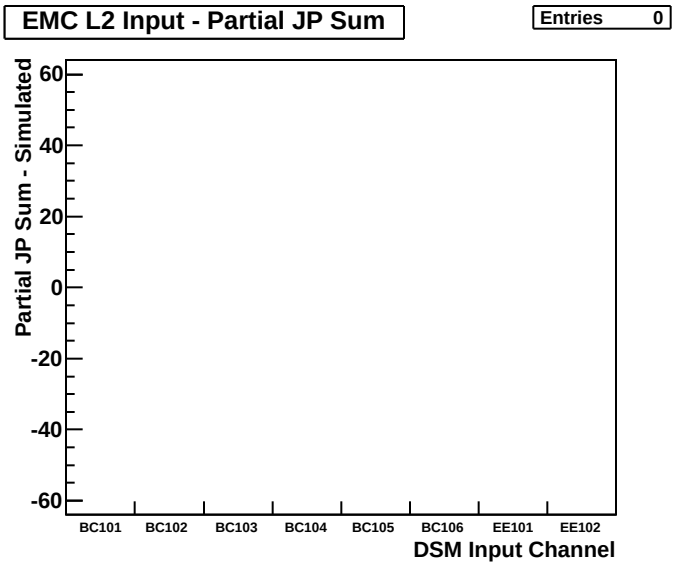

EMC L2 Input - JPY/JPB bits
Entries 517336
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
8550 8673 8424 8396 8735 8566 8560 9109
1120 1161 1276 1178 1085 1170 1211 1287
648 636 702 676 642 718 661 730
54349 54197 54265 54417 54205 54213 54235 53541

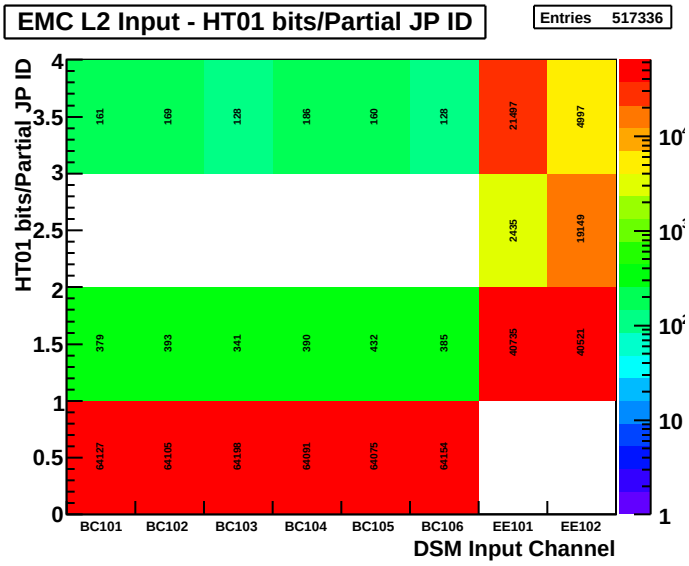

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

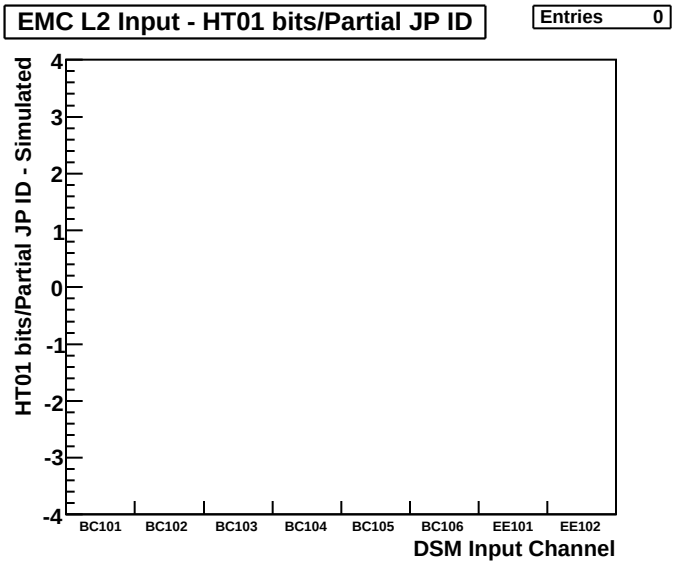

EMC L2 Input - JPZ/JPC bits
Entries 517336
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
8823 8974 8658 9148 8675 8755 8870 8885
1407 1352 1245 1288 1212 1281 1292 1202
701 719 693 676 693 650 678 679
53736 53622 54071 53555 54087 53981 53827 53901

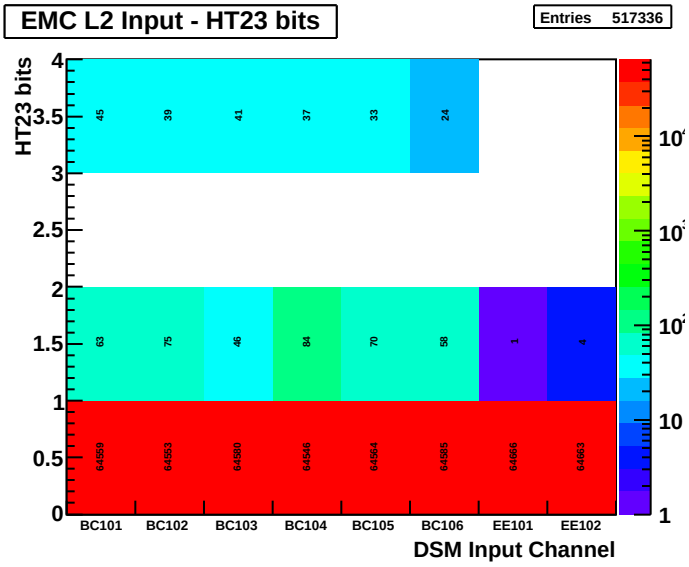

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

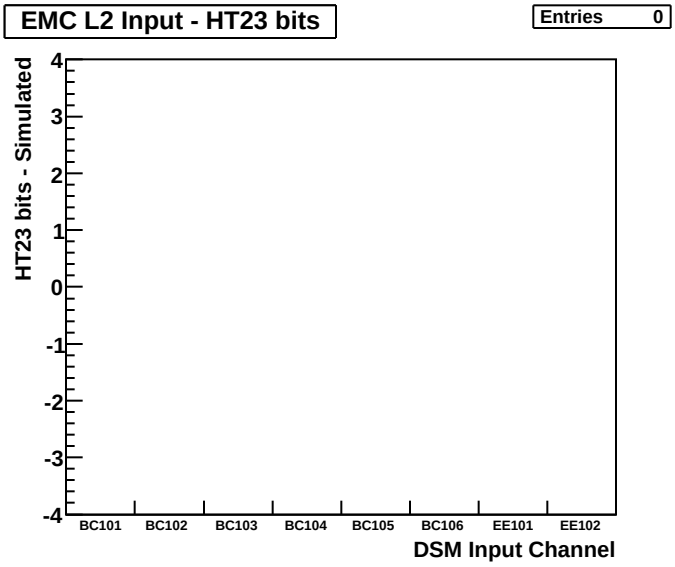

EMC L2 Input - Partial JP Sum
Entries 517336
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

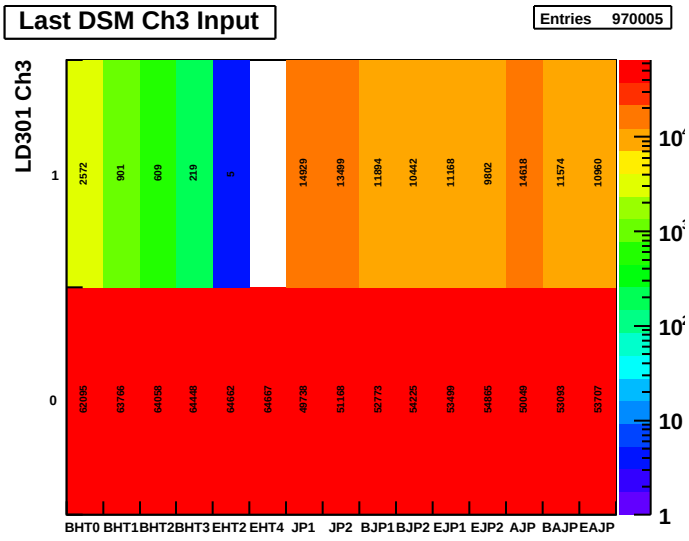

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

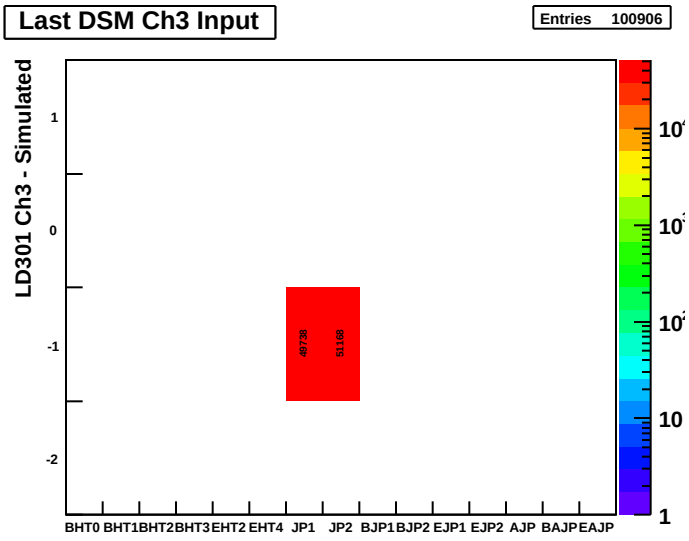

EMC L2 Input - HT01 bits/Partial JP ID
Entries 517336
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

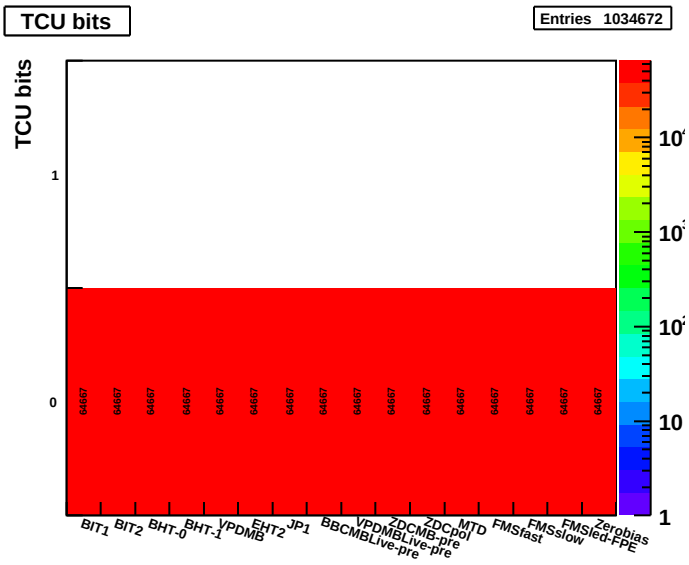

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

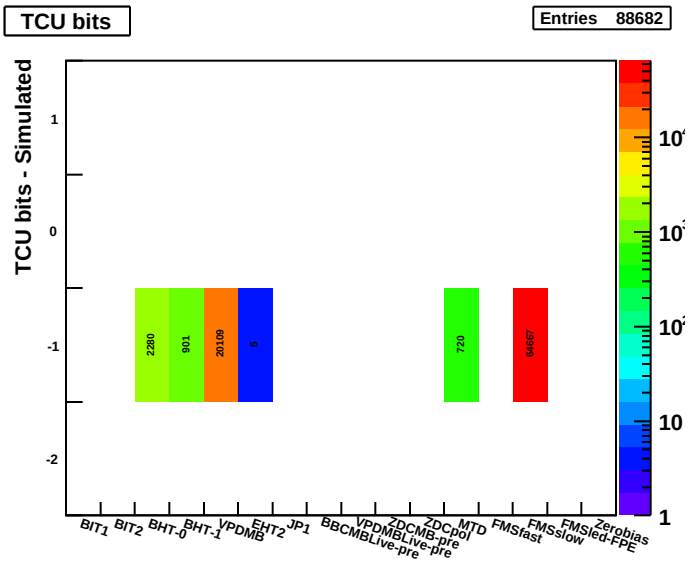

EMC L2 Input - HT23 bits
Entries 517336
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

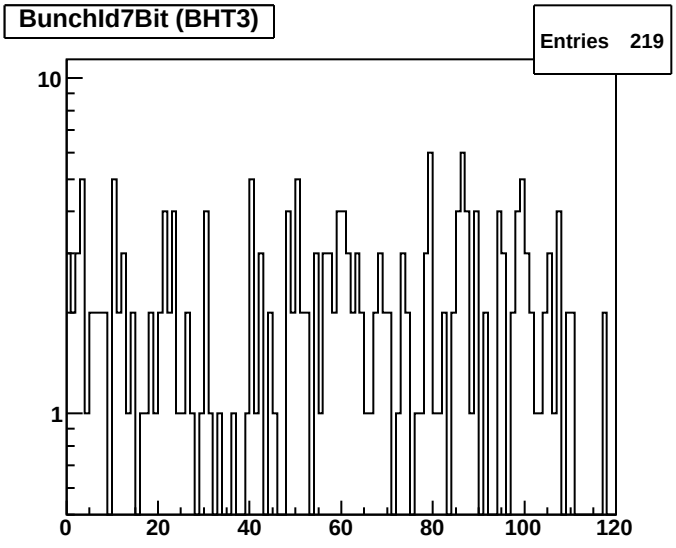

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

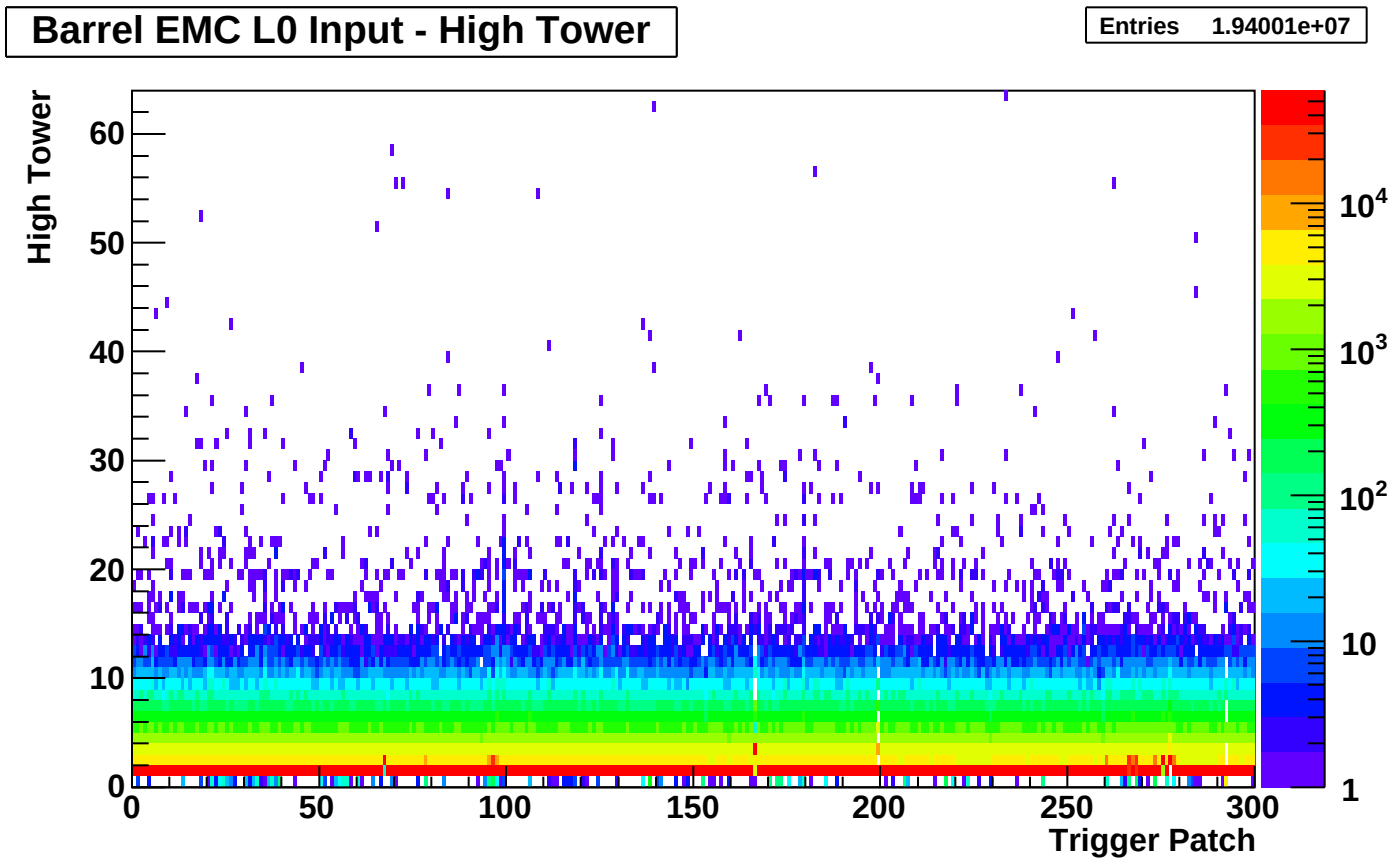

Last DSM Ch3 Input
Entries 970005
LD301 Ch3
2572 901 609 219 5 14929 13499 11894 10442 11168 9802 14618 11574 10960
62095 63766 64058 64448 64662 64667 49738 51168 52773 54225 53499 54865 50049 53093 53707
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

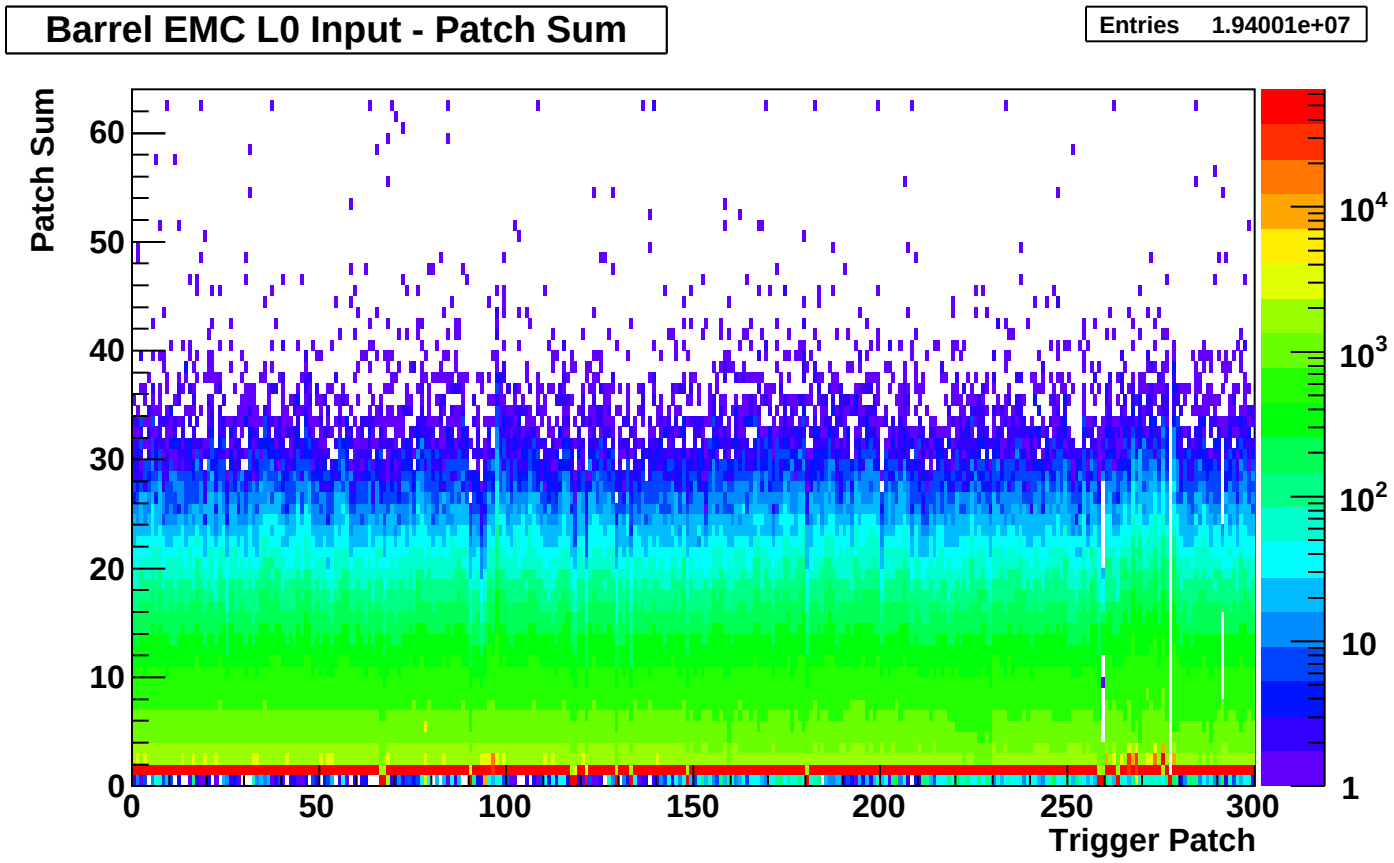

Last DSM Ch3 Input
Entries 100906
LD301 Ch3 - Simulated
49738 51168
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

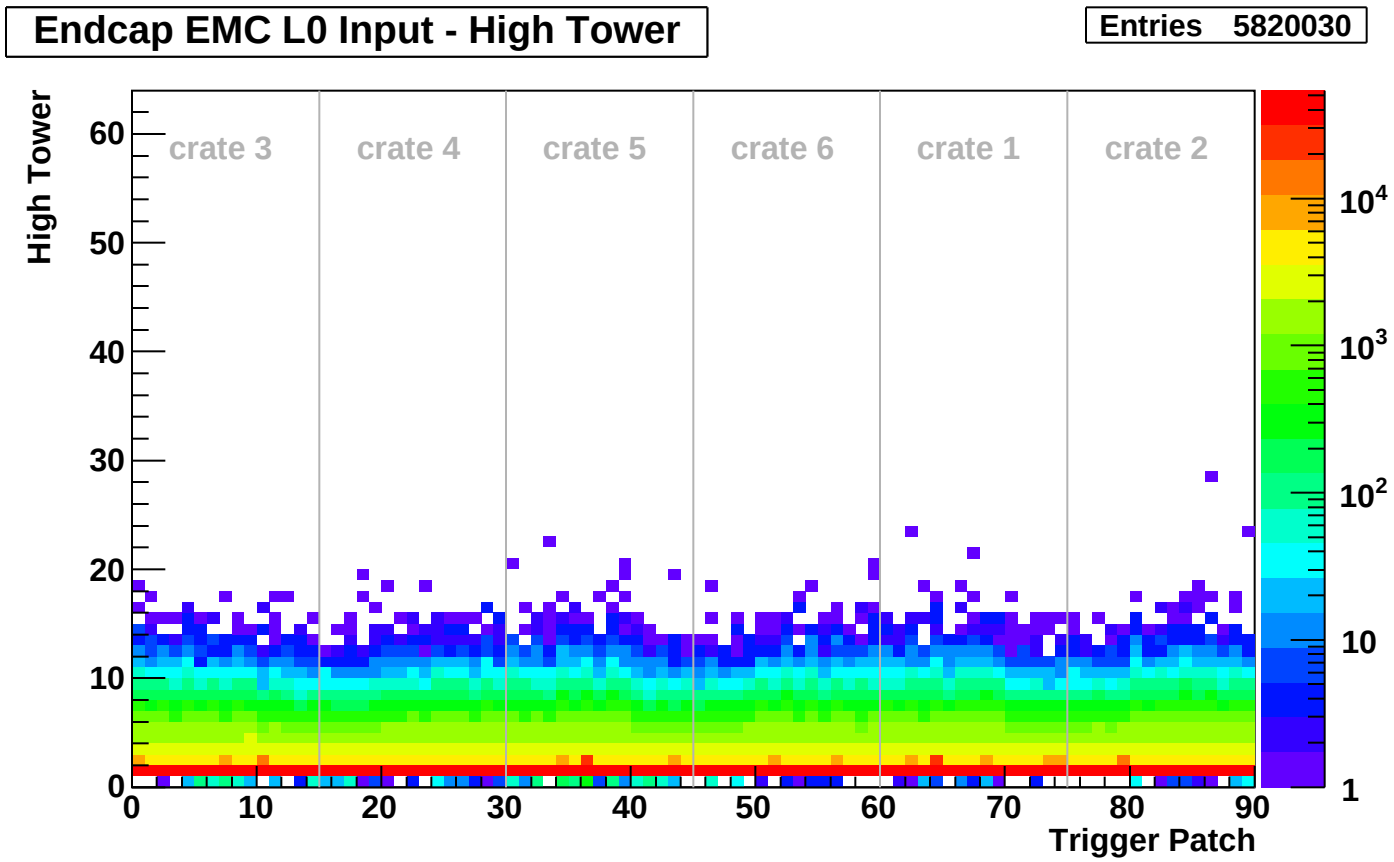

TCU bits
Entries 1034672
TCU bits
64667 64667 64667 64667 64667 64667 64667 64667 64667 64667 64667 64667 64667 64667 64667
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

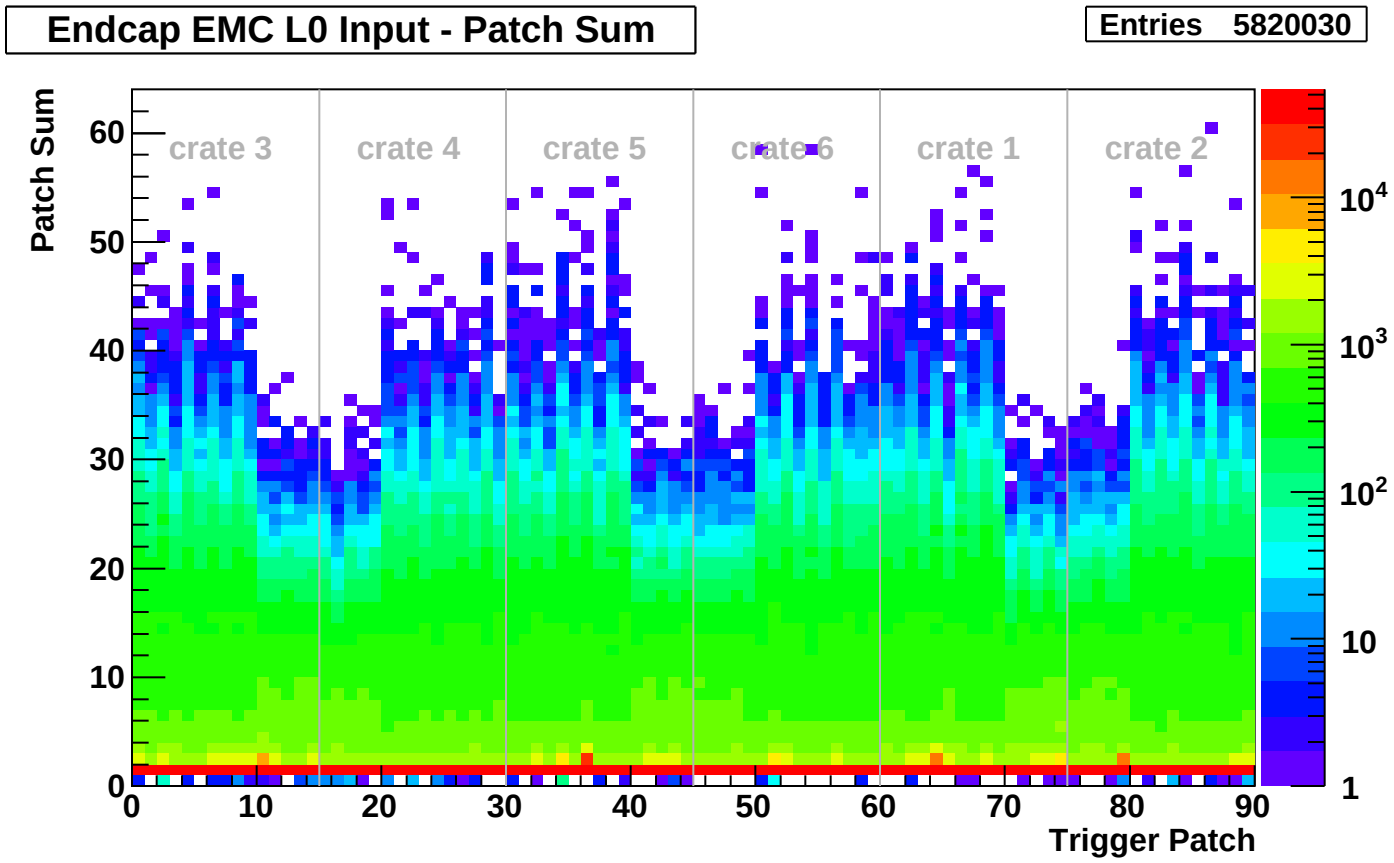

TCU bits
Entries 88682
TCU bits - Simulated
2280 901 20109 5 720 64667
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

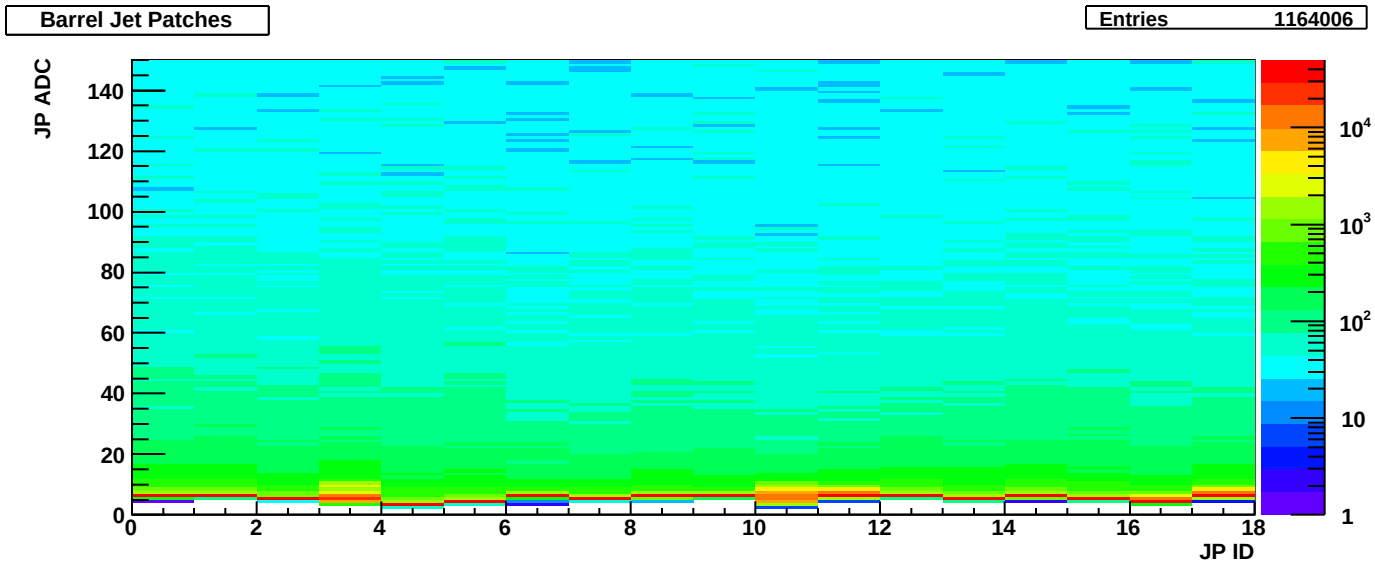

BunchId7Bit (BHT3)
Entries 219
10
1
0 20 40 60 80 100 120

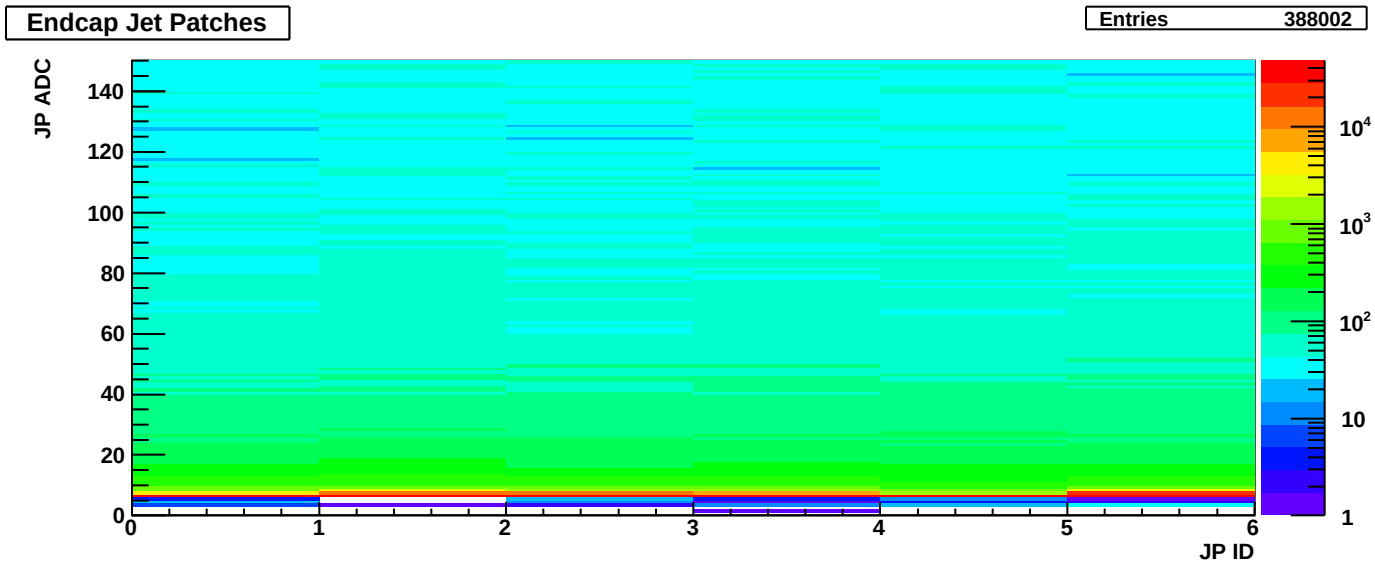

Barrel EMC L0 Input - High Tower
Entries 1.94001e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

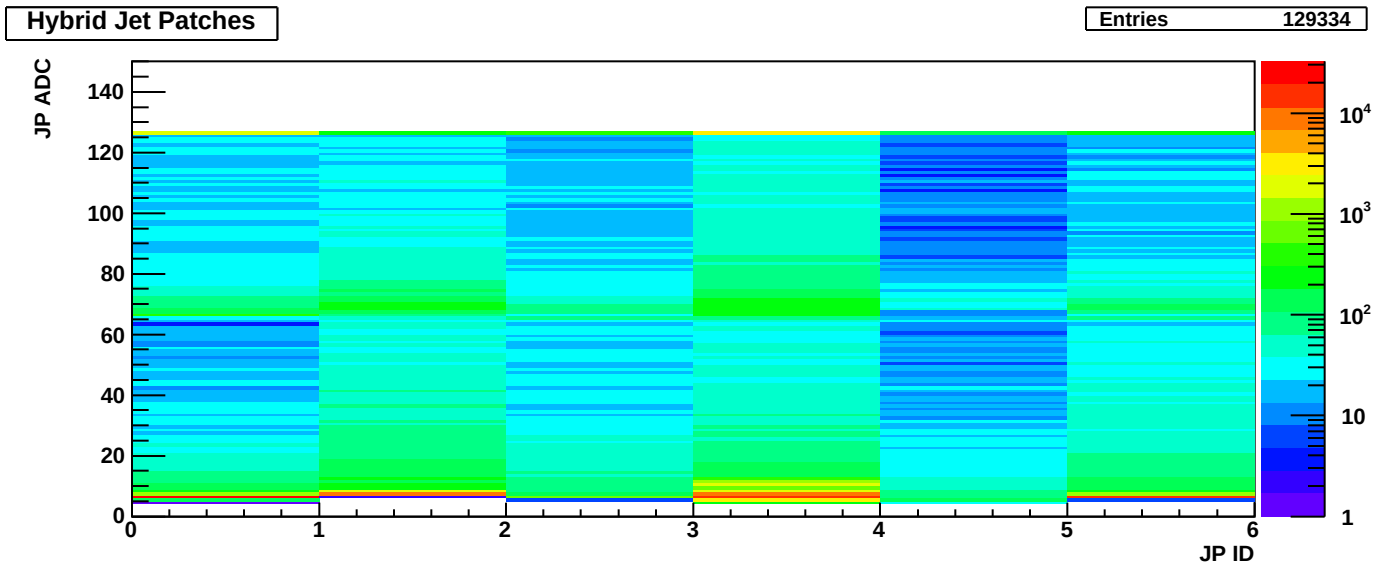

Barrel EMC L0 Input - Patch Sum
Entries 1.94001e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

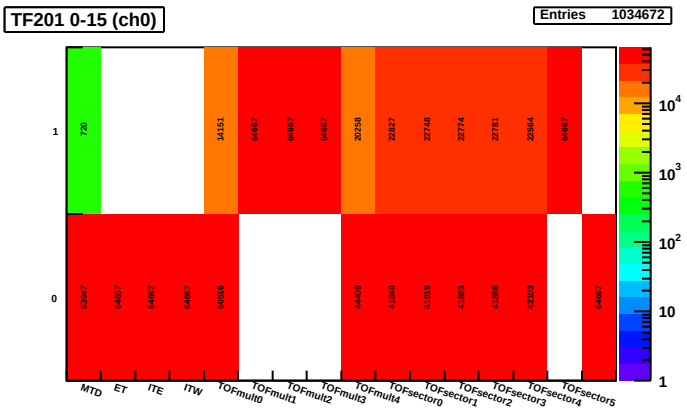

Endcap EMC L0 Input - High Tower
Entries 5820030
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

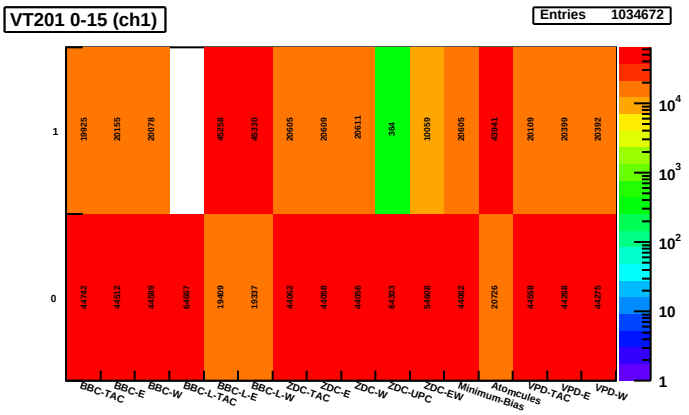

Endcap EMC L0 Input - Patch Sum
Entries 5820030
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

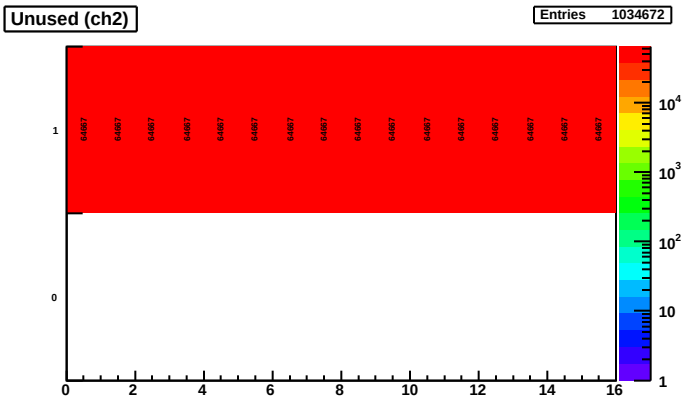

Barrel Jet Patches
Entries 1164006
JP ADC
JP ID

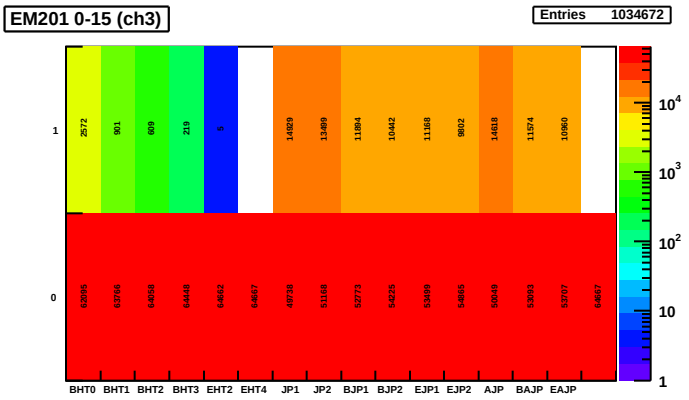

Endcap Jet Patches
Entries 388002
JP ADC
JP ID

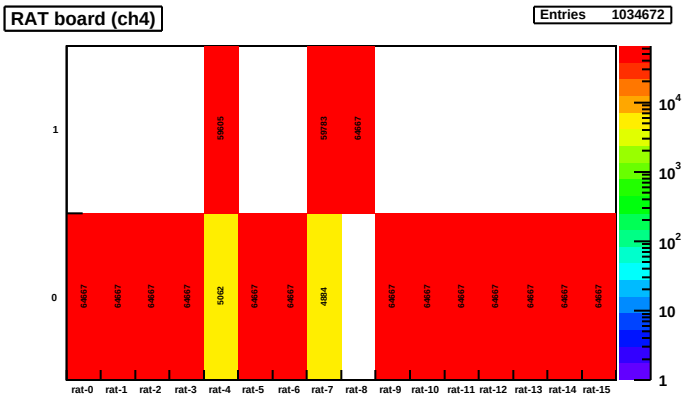

Hybrid Jet Patches
Entries 129334
JP ADC
JP ID

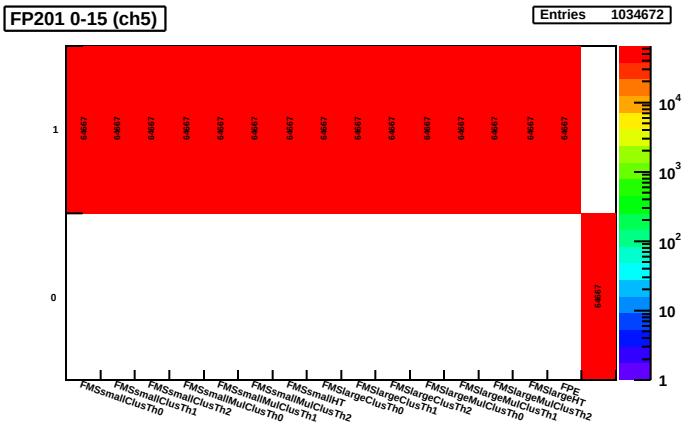

TF201 0-15 (ch0)
Entries 1034672
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

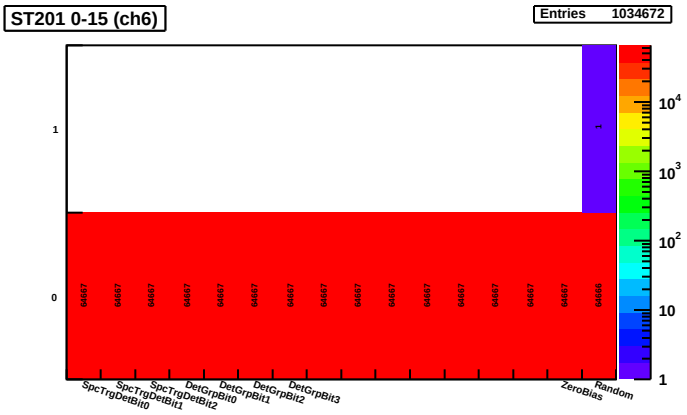

VT201 0-15 (ch1)
Entries 1034672
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

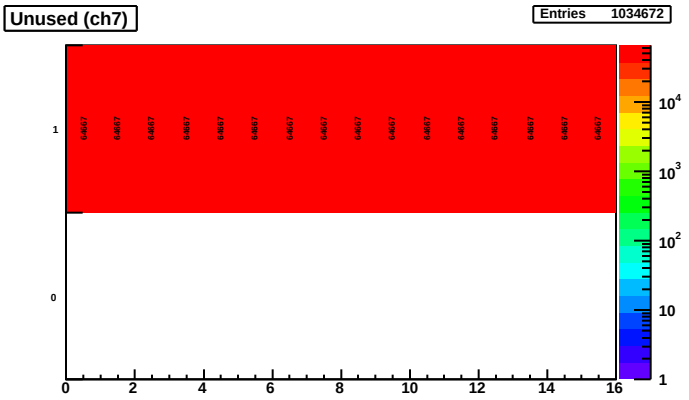

Unused (ch2)
Entries 1034672

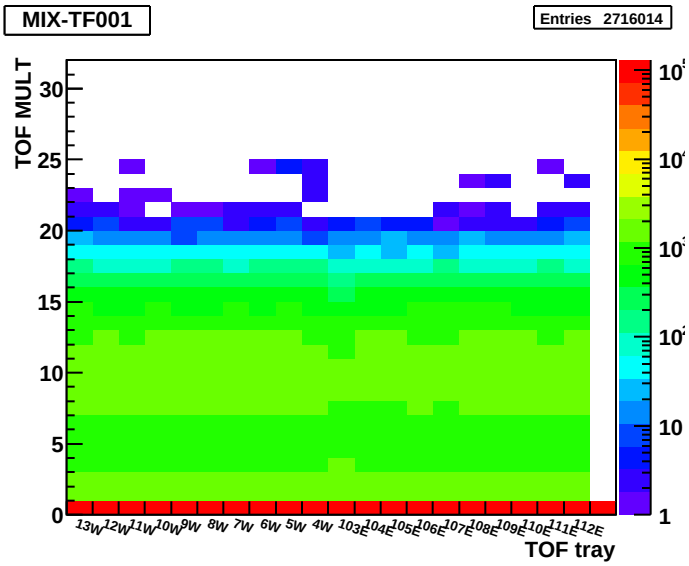

EM201 0-15 (ch3)
Entries 1034672
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

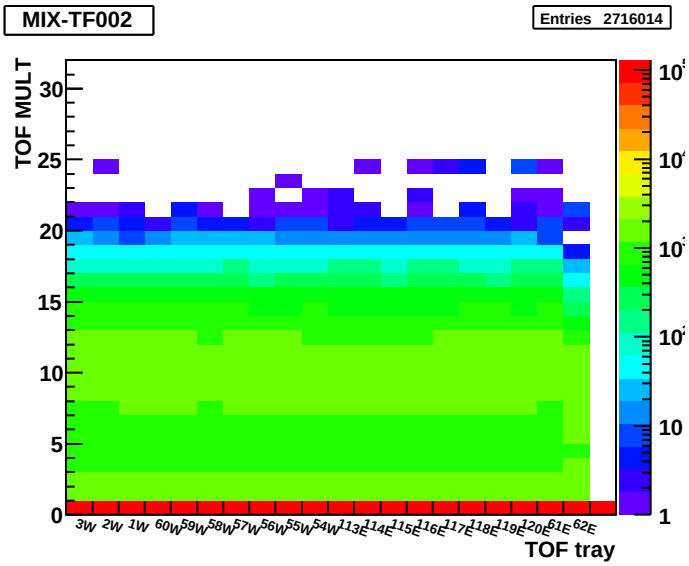

RAT board (ch4)
Entries 1034672
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

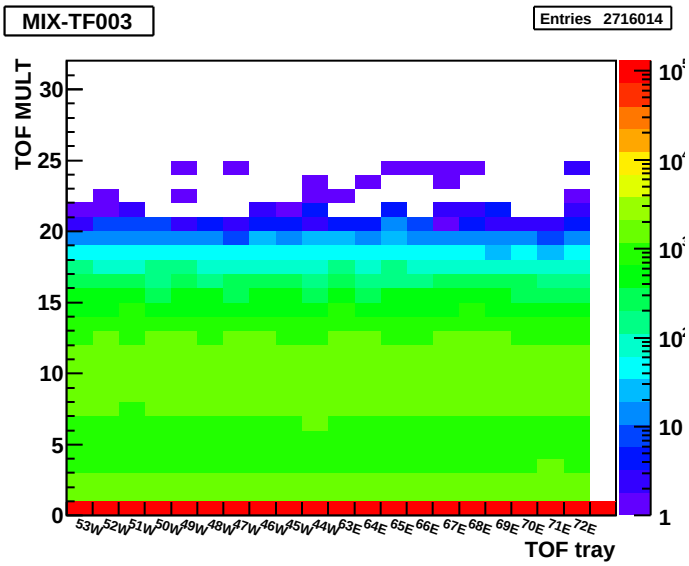

FP201 0-15 (ch5)
Entries 1034672
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

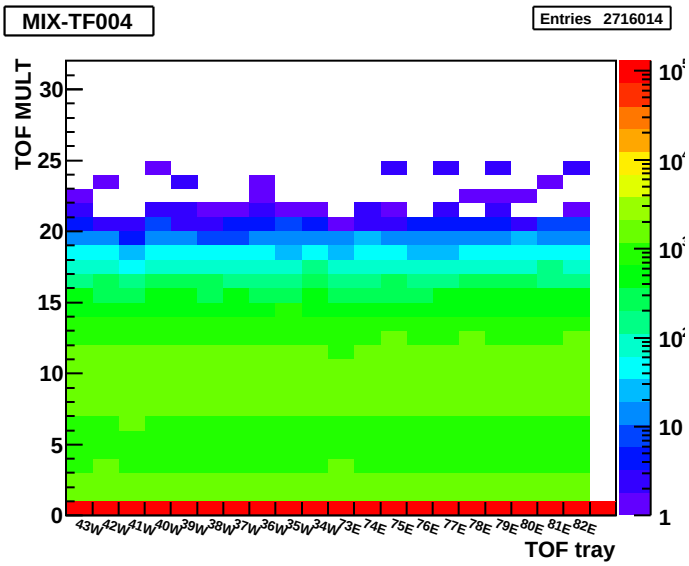

ST201 0-15 (ch6)
Entries 1034672
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

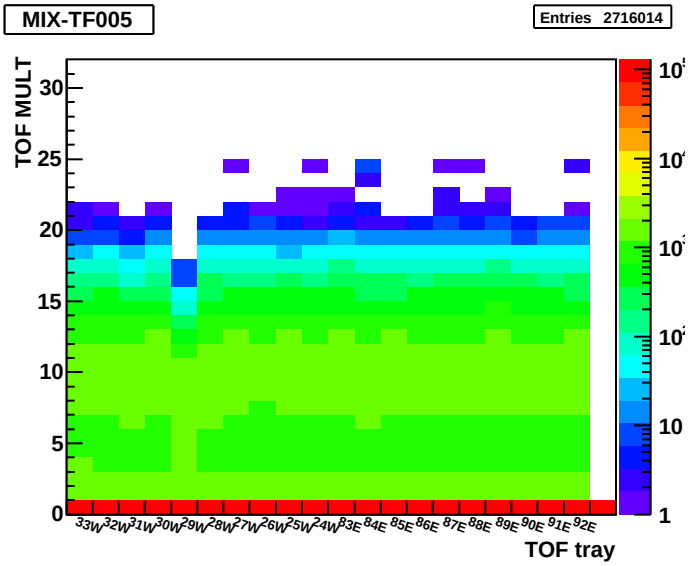

Unused (ch7)
Entries 1034672

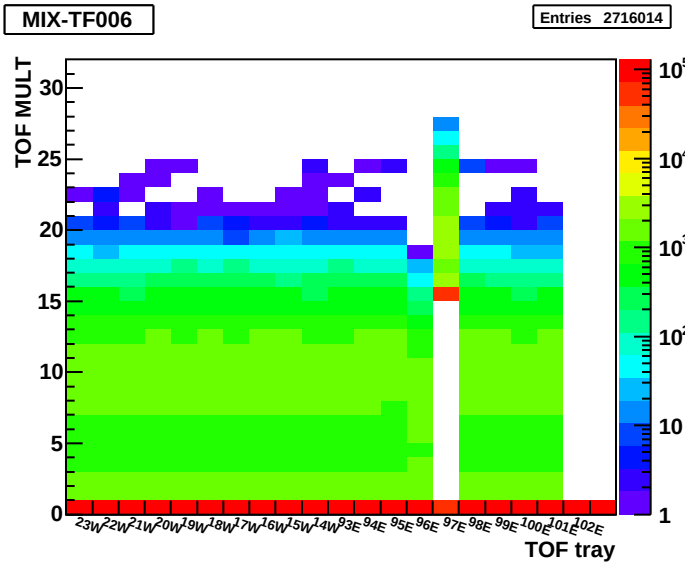

MIX-TF001
Entries 2716014
TOF MULT
TOF tray

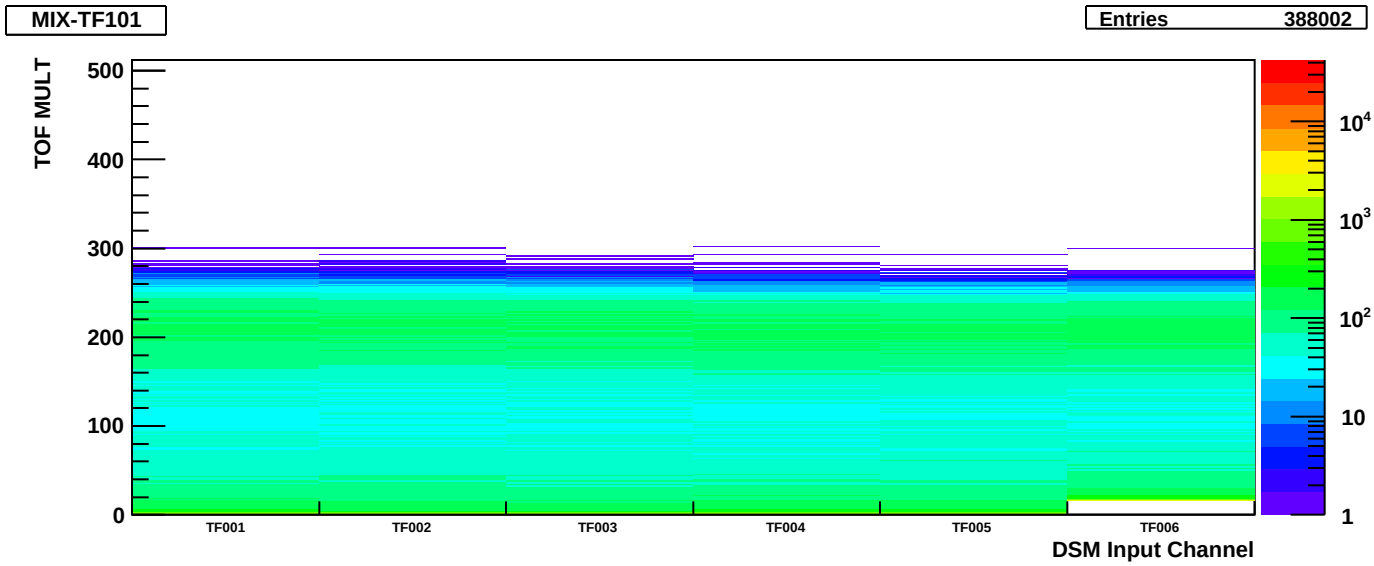

MIX-TF002
Entries 2716014
TOF MULT
TOF tray

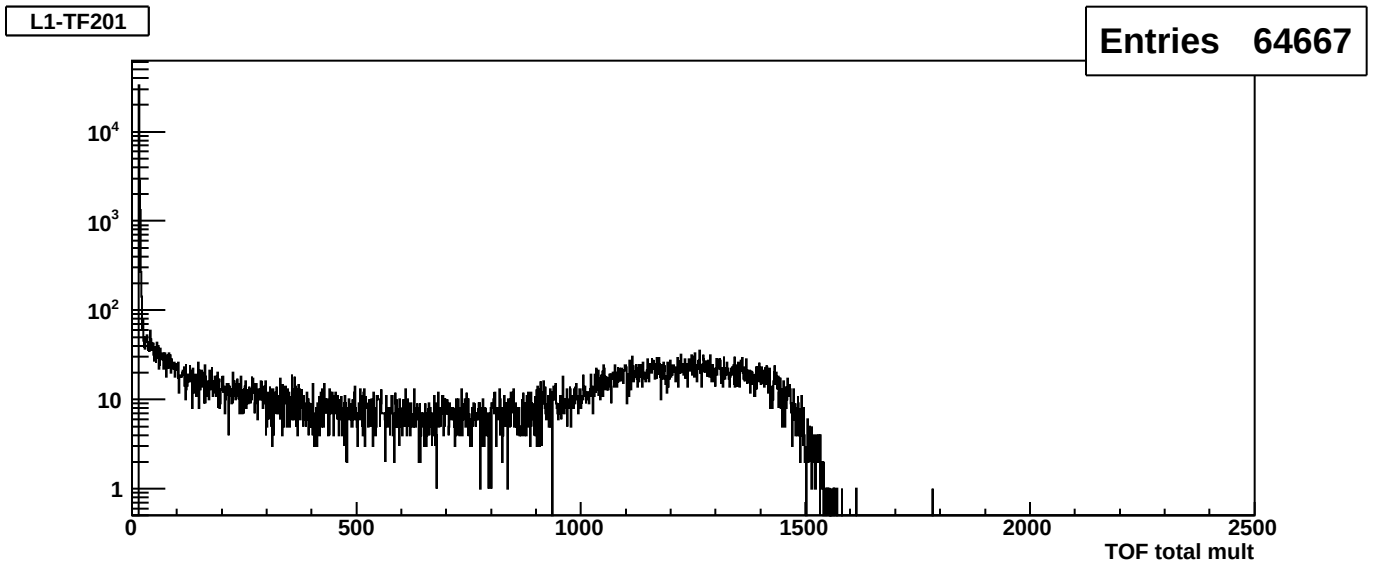

MIX-TF003
Entries 2716014
TOF MULT
TOF tray

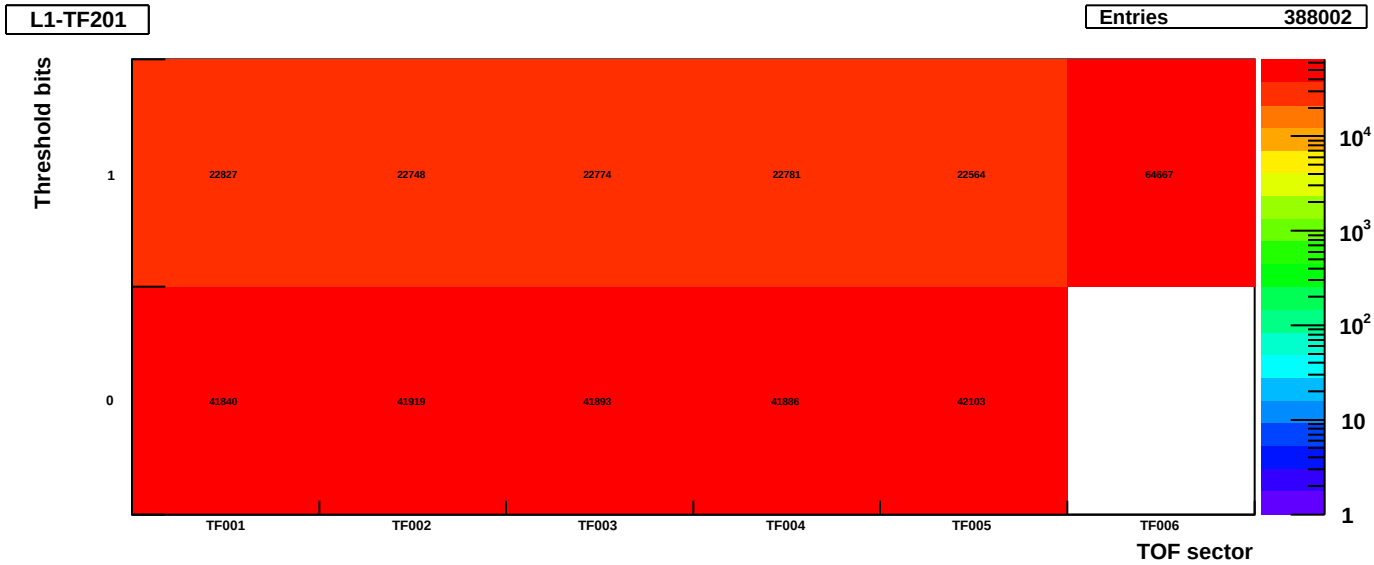

MIX-TF004
Entries 2716014
TOF MULT
TOF tray

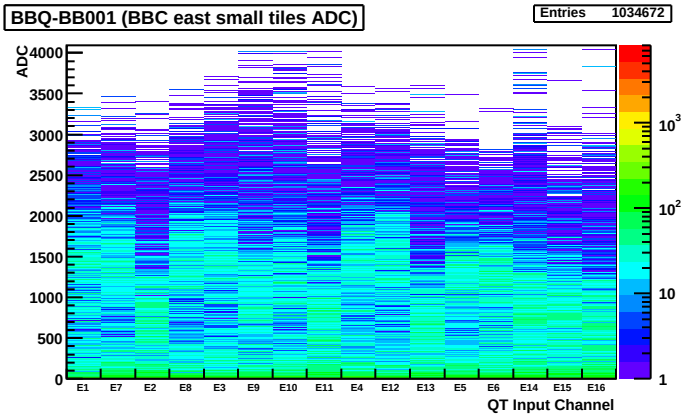

MIX-TF005
Entries 2716014
TOF MULT
TOF tray

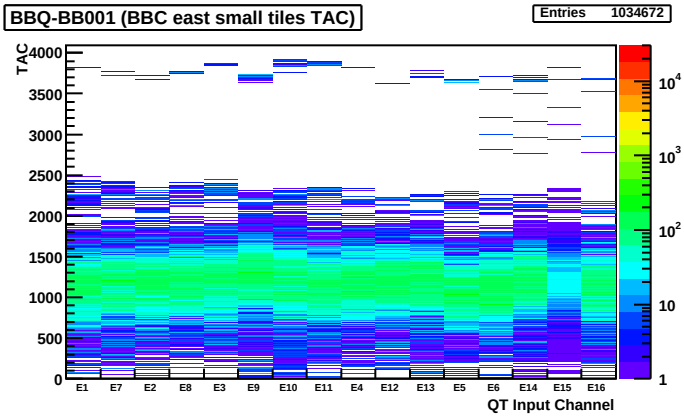

MIX-TF006
Entries 2716014
TOF MULT
TOF tray

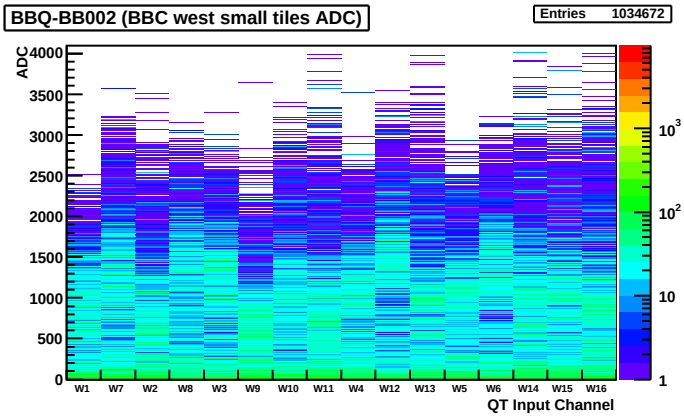

MIX-TF101
Entries 388002
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

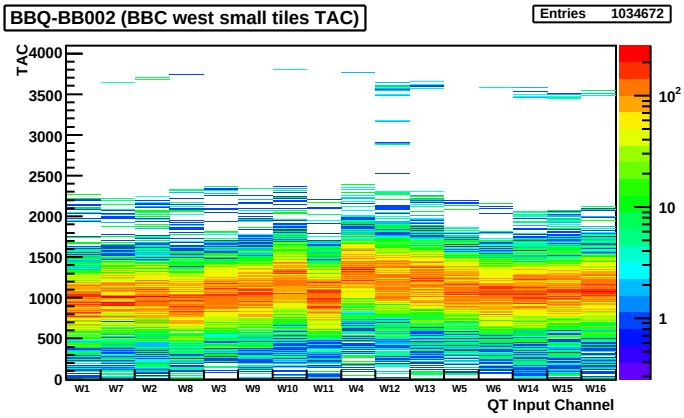

L1-TF201
Entries 64667
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

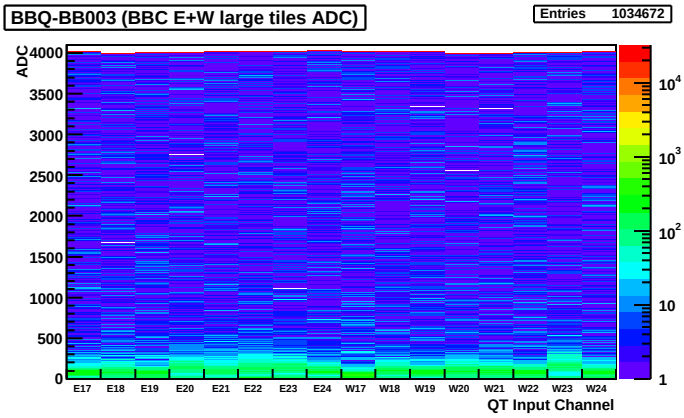

L1-TF201
Entries 388002
Threshold bits
1
0
22827
22748
22774
22781
22564
64667
41840
41919
41893
41886
42103
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4
10^3
10^2
10
1

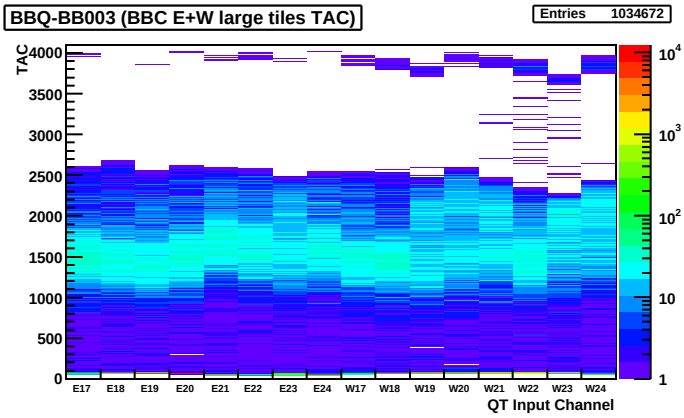

BBQ-BB001 (BBC east small tiles ADC)
Entries 1034672
ADC
QT Input Channel

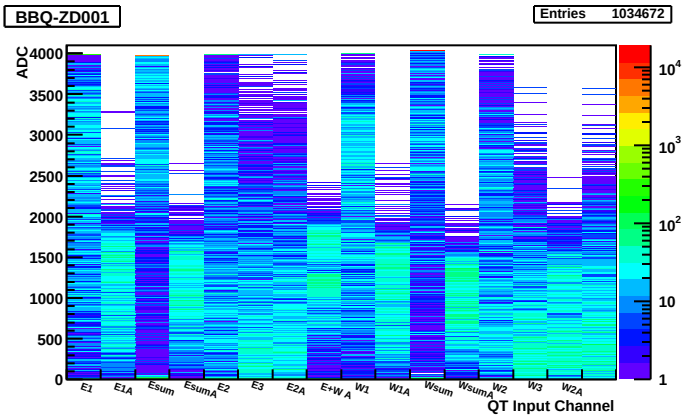

BBQ-BB001 (BBC east small tiles TAC)
Entries 1034672
TAC
QT Input Channel

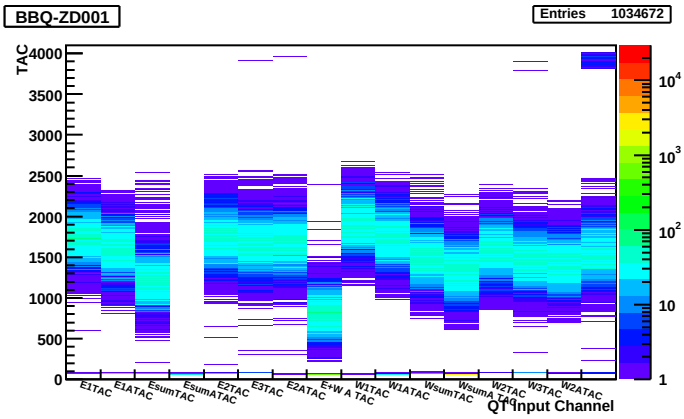

BBQ-BB002 (BBC west small tiles ADC)
Entries 1034672
ADC
QT Input Channel

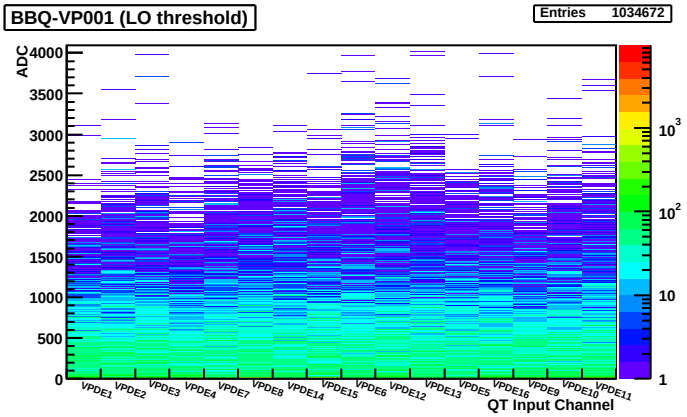

BBQ-BB002 (BBC west small tiles TAC)
Entries 1034672
TAC
QT Input Channel

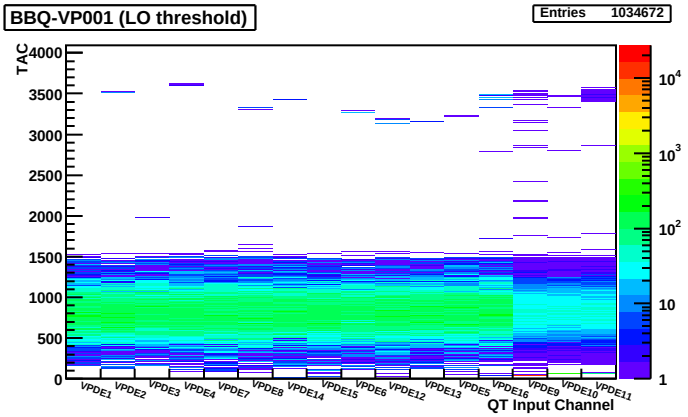

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1034672
ADC
QT Input Channel

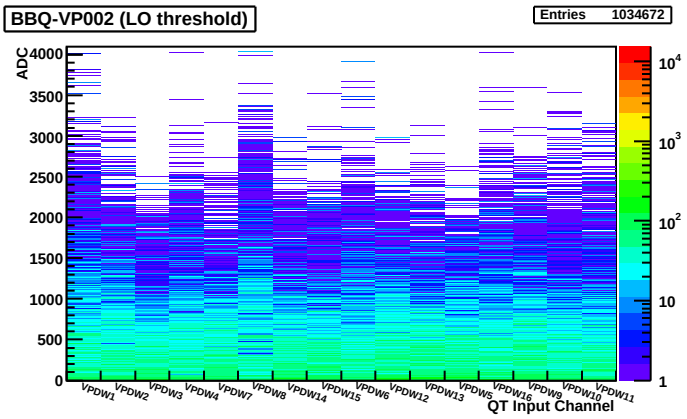

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1034672
TAC
QT Input Channel

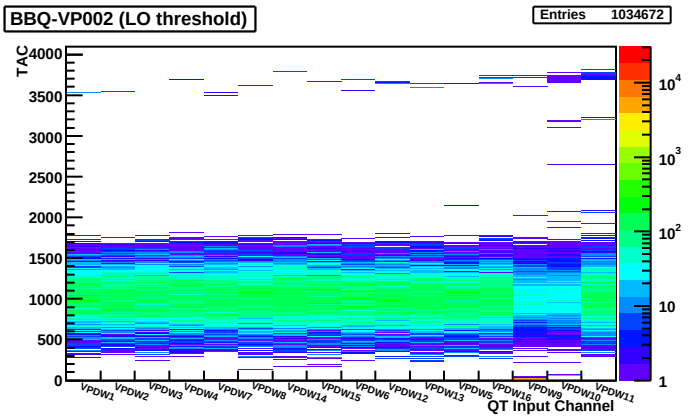

BBQ-ZD001
Entries 1034672
ADC
QT Input Channel

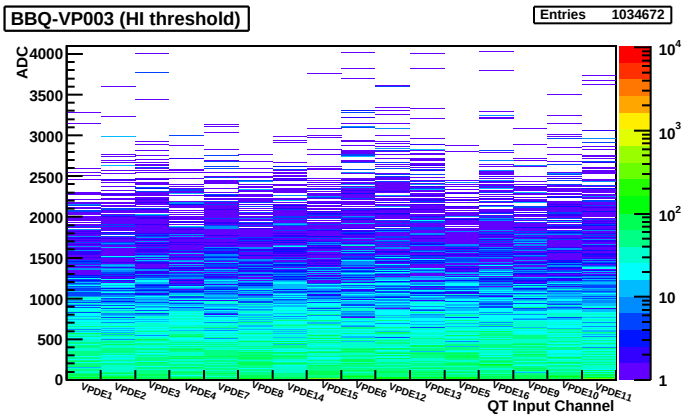

BBQ-ZD001
Entries 1034672
TAC
QT Input Channel

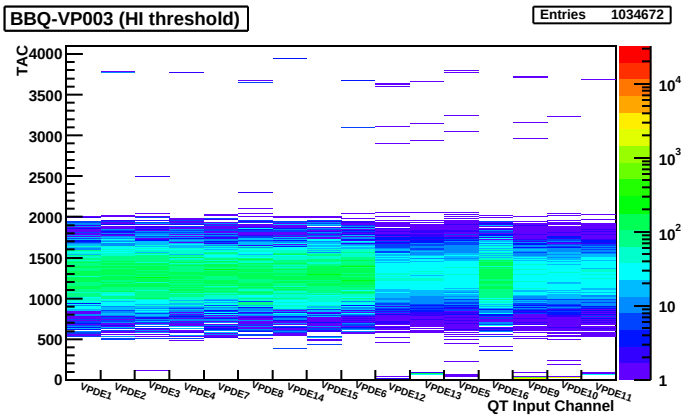

BBQ-VP001 (LO threshold)
Entries 1034672
ADC
QT Input Channel

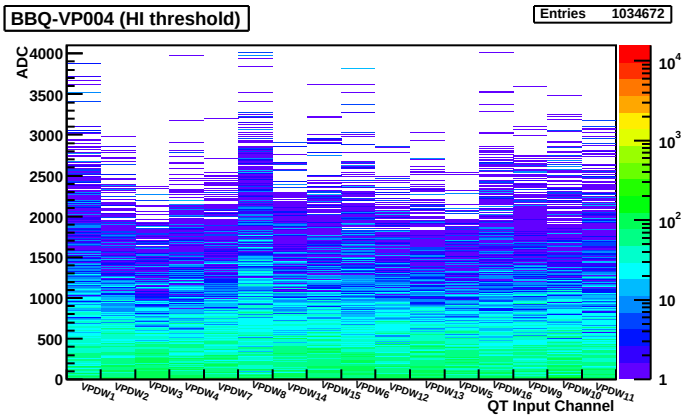

BBQ-VP001 (LO threshold)
Entries 1034672
TAC
QT Input Channel

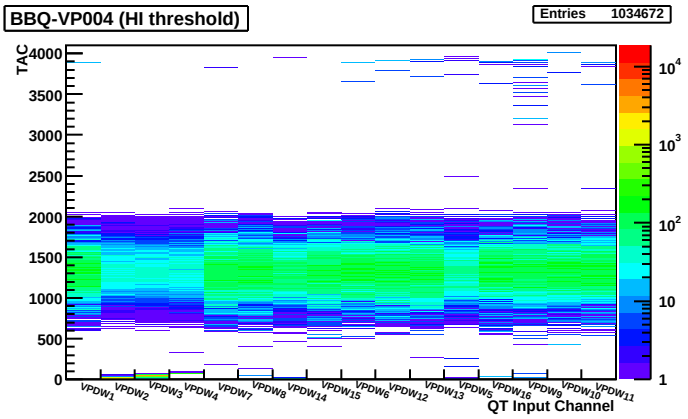

BBQ-VP002 (LO threshold)
Entries 1034672
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 1034672
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1034672
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 1034672
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1034672
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 1034672
TAC
QT Input Channel