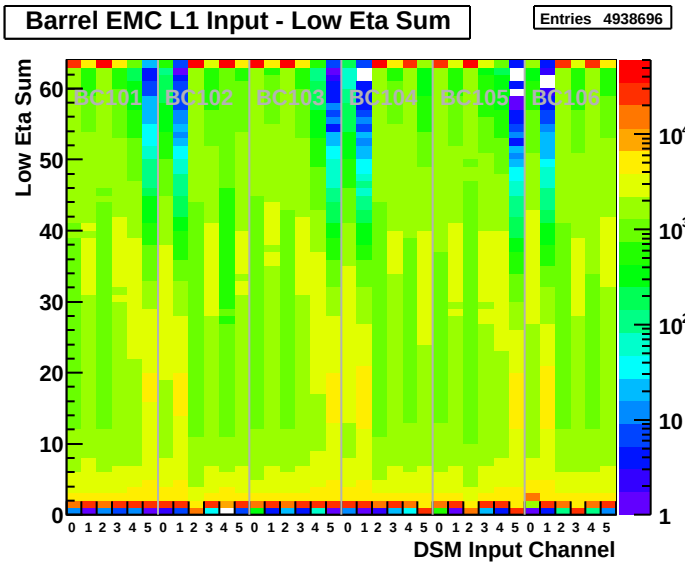
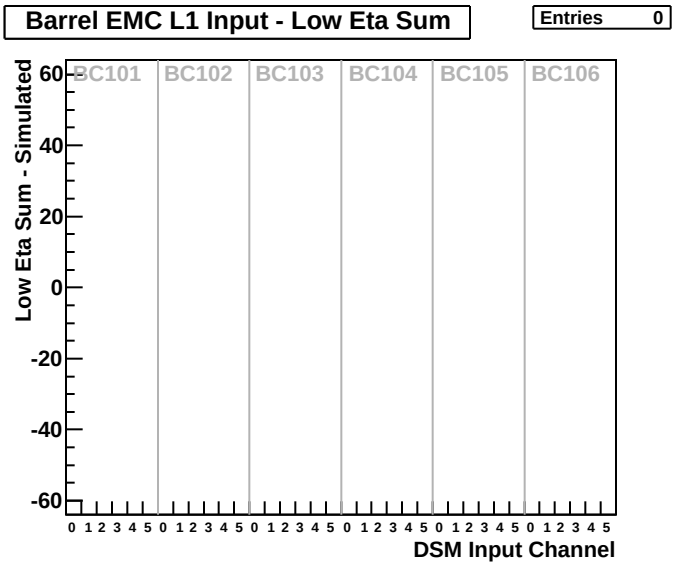
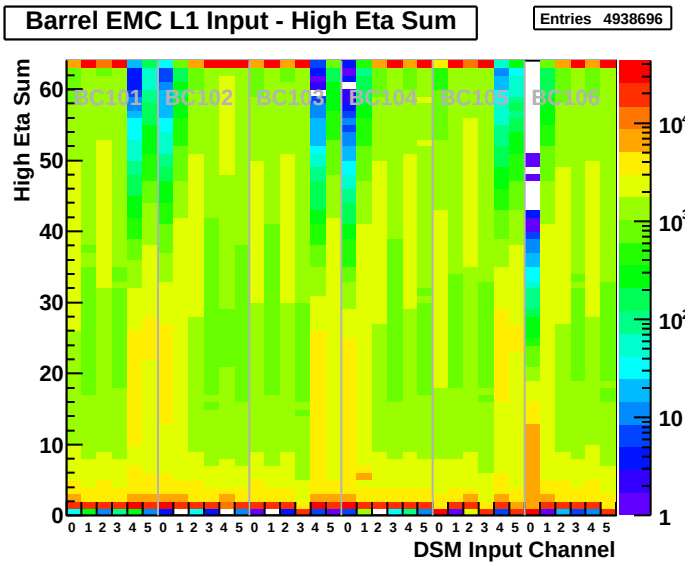
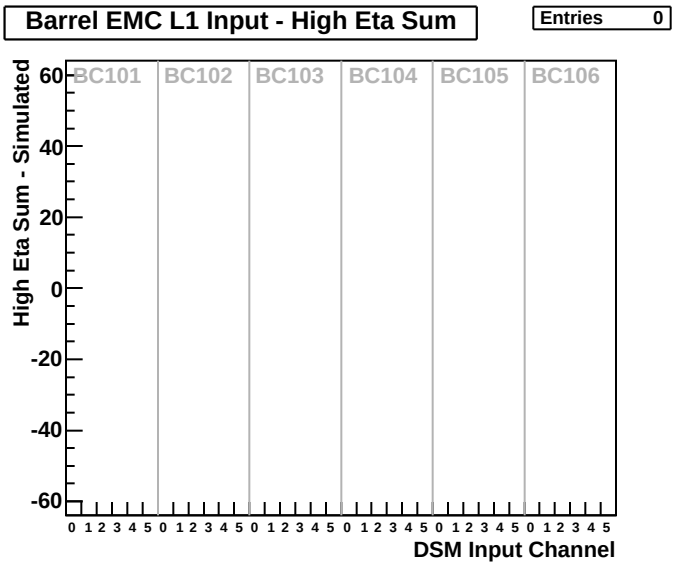
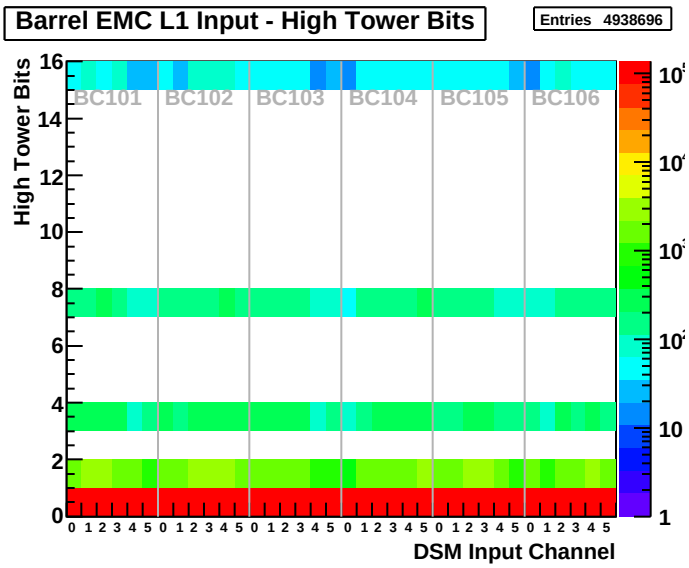
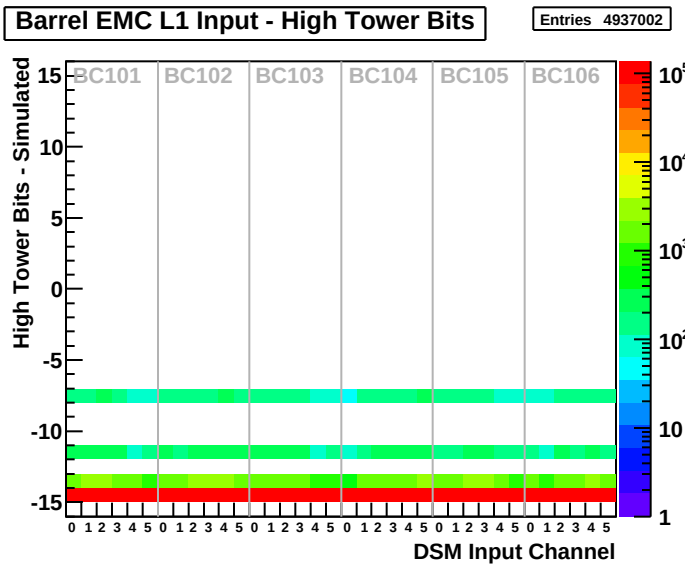

Barrel EMC L1 Input - Low Eta Sum
Entries 4938696
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

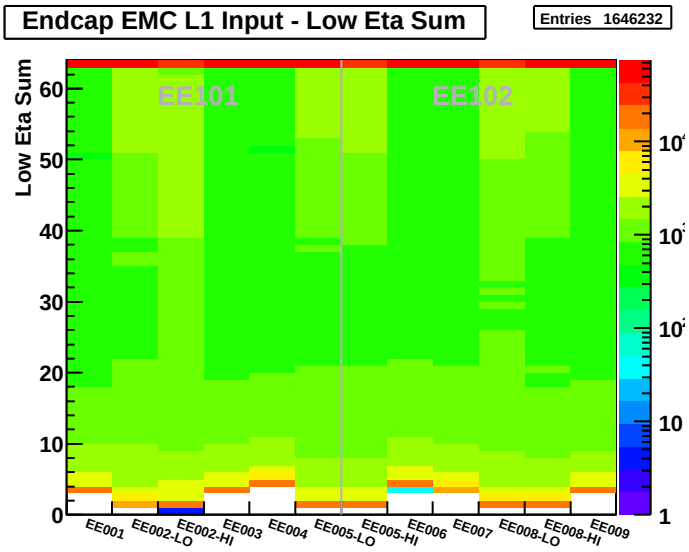

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

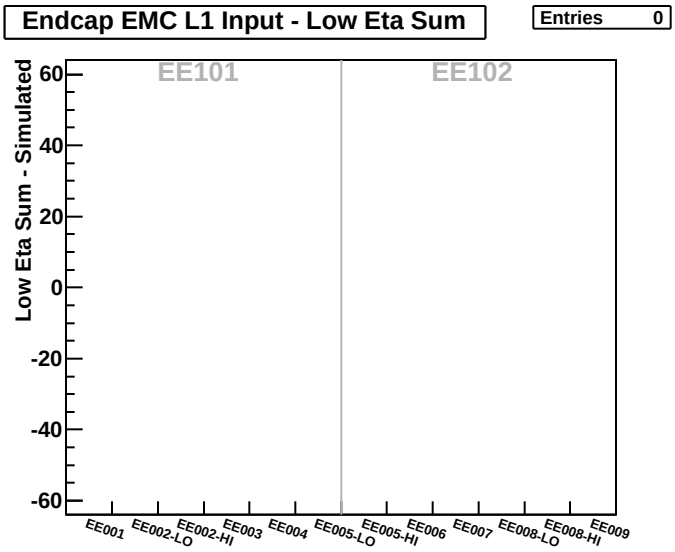

Barrel EMC L1 Input - High Eta Sum
Entries 4938696
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

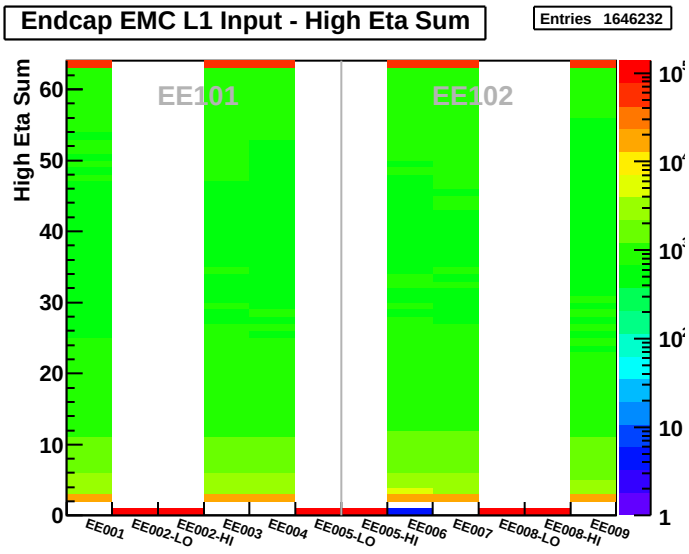

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

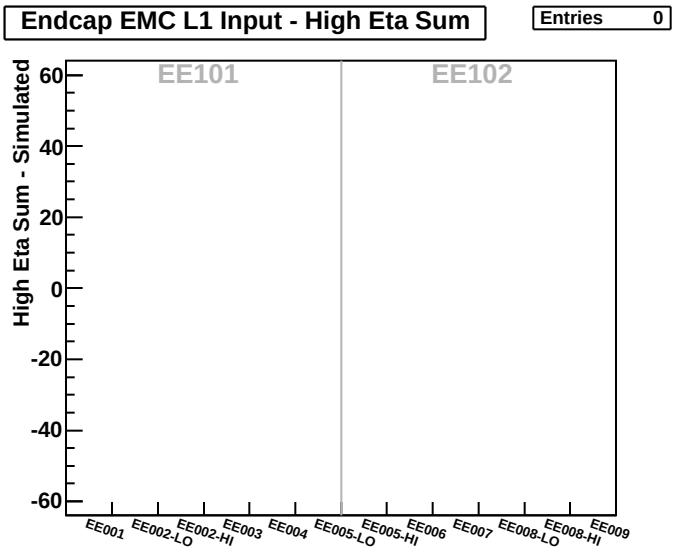

Barrel EMC L1 Input - High Tower Bits
Entries 4938696
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

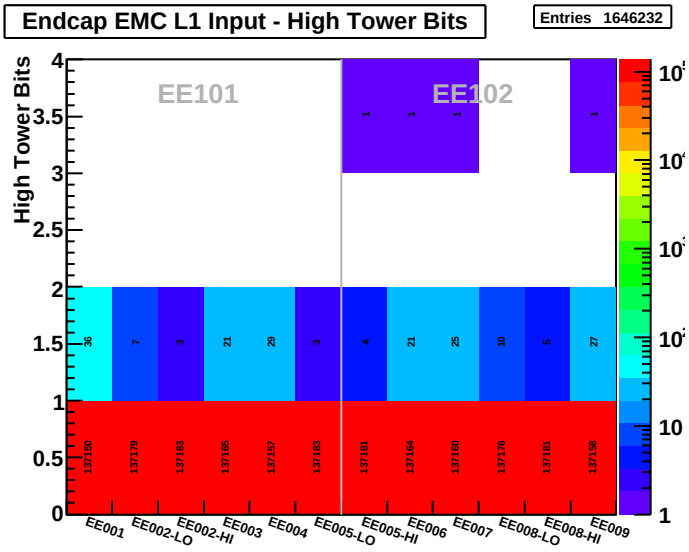

Barrel EMC L1 Input - High Tower Bits
Entries 4937002
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

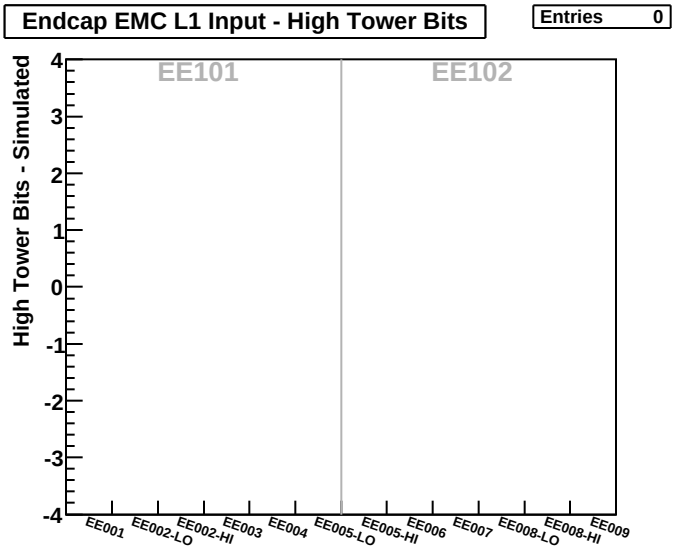

Endcap EMC L1 Input - Low Eta Sum
Entries 1646232
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

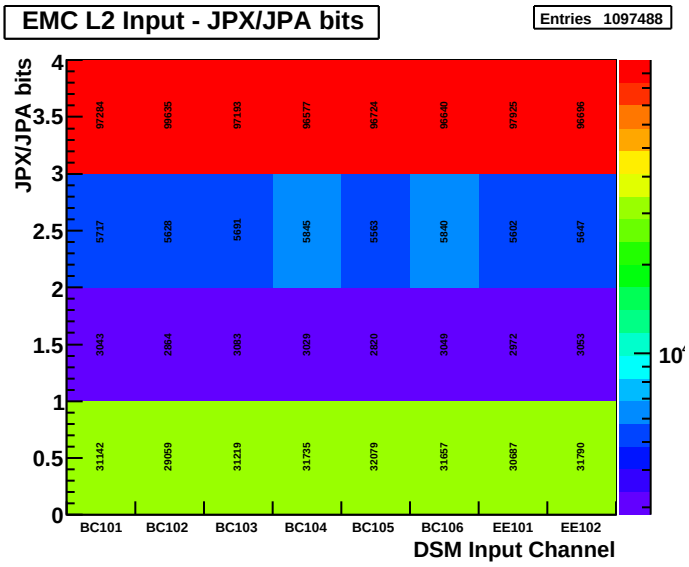

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

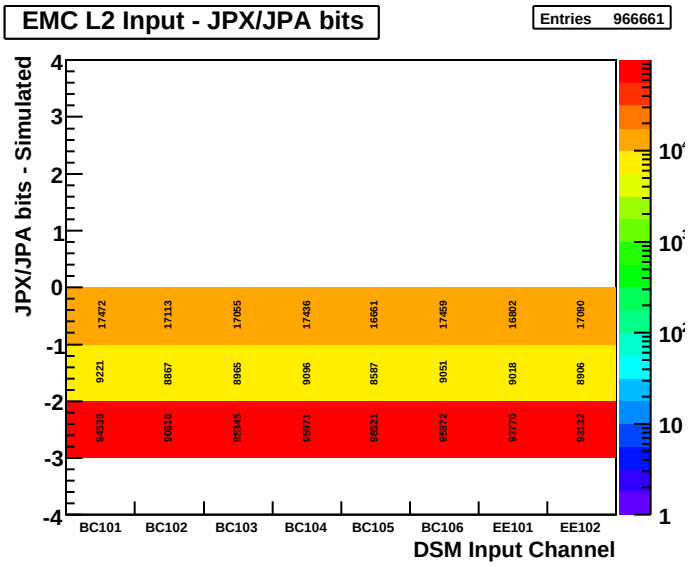

Endcap EMC L1 Input - High Eta Sum
Entries 1646232
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

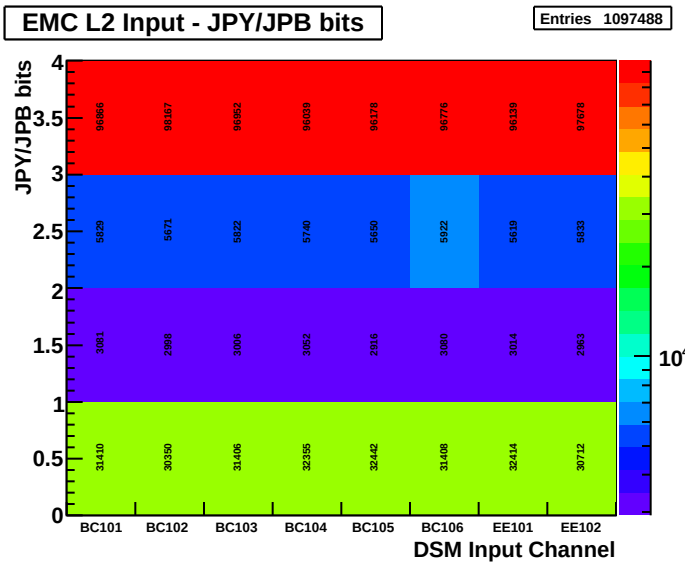

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

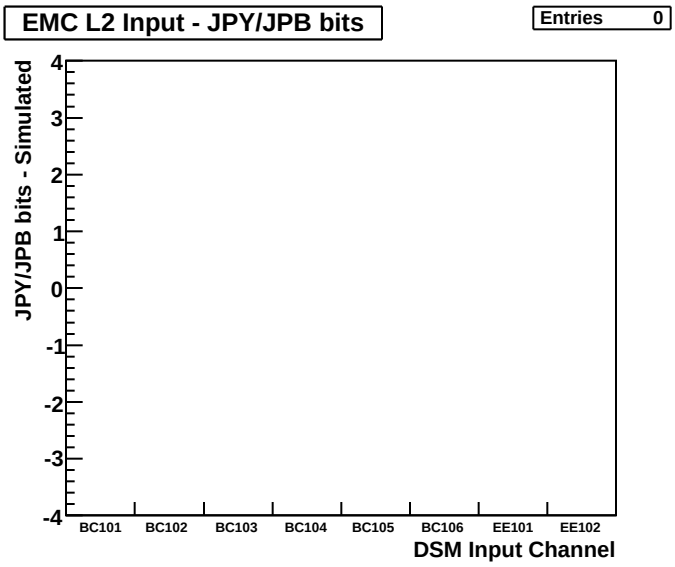

Endcap EMC L1 Input - High Tower Bits
Entries 1646232
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

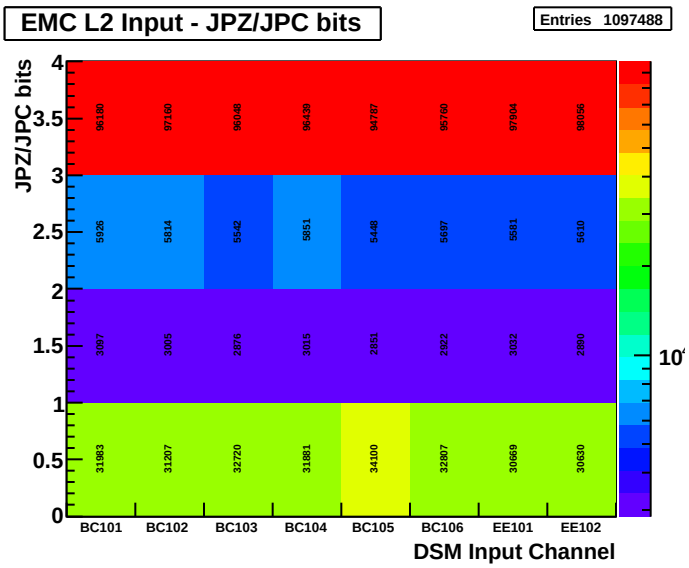

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

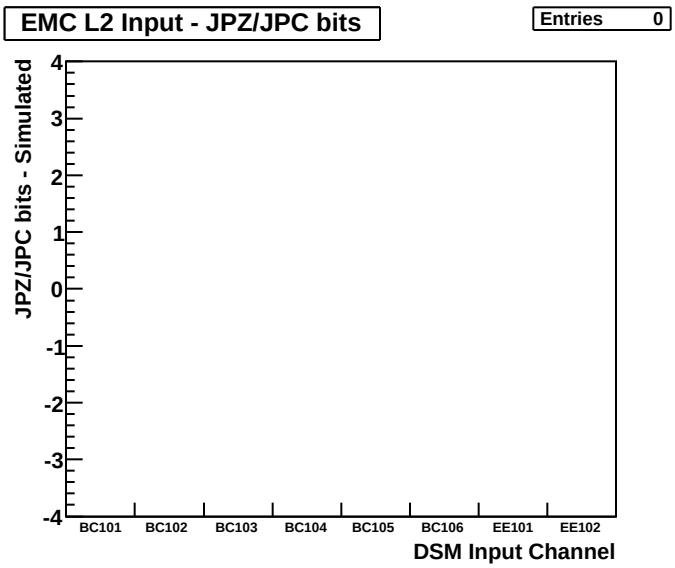

EMC L2 Input - JPX/JPA bits
Entries 1097488
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
97284 96635 97183 96577 96724 96640 97925 96696
5717 5628 5691 5845 5563 5840 5602 5647
3043 2864 3083 3029 2820 3049 2972 3053
31142 29059 31219 31735 32079 31657 30687 31790

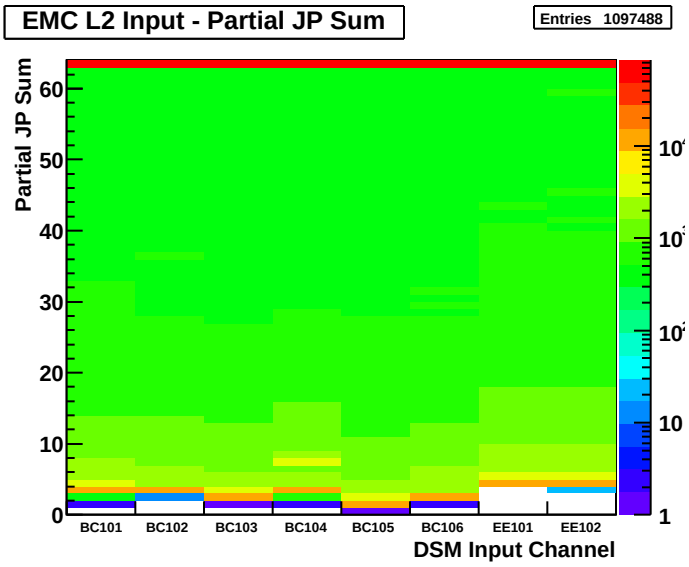

EMC L2 Input - JPX/JPA bits
Entries 966661
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
17472 17113 17055 17436 16661 17459 16802 17090
9221 8867 8965 9096 8587 9051 9018 8906
94535 90616 93345 93371 98821 93872 93770 93132

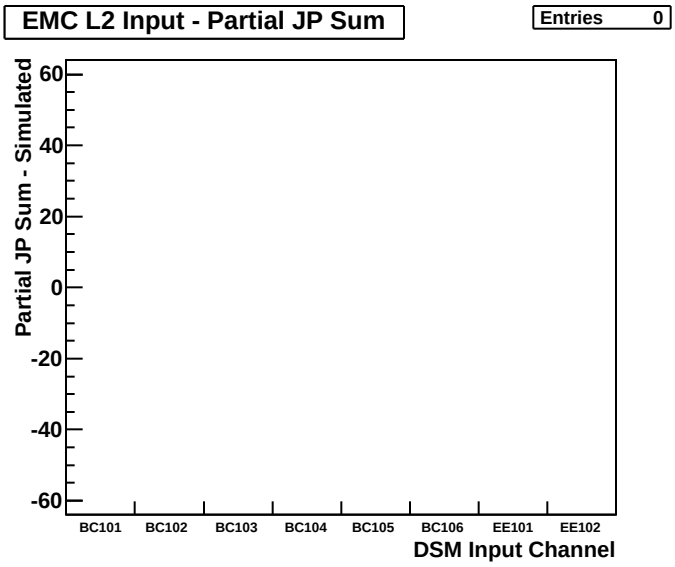

EMC L2 Input - JPY/JPB bits
Entries 1097488
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
96686 93167 95952 96039 95178 96776 95139 97678
5829 5671 5922 5740 5650 5922 5619 5833
3081 2890 3006 3052 2916 3090 3014 2953
31410 30350 31406 32355 32442 31408 32414 30712

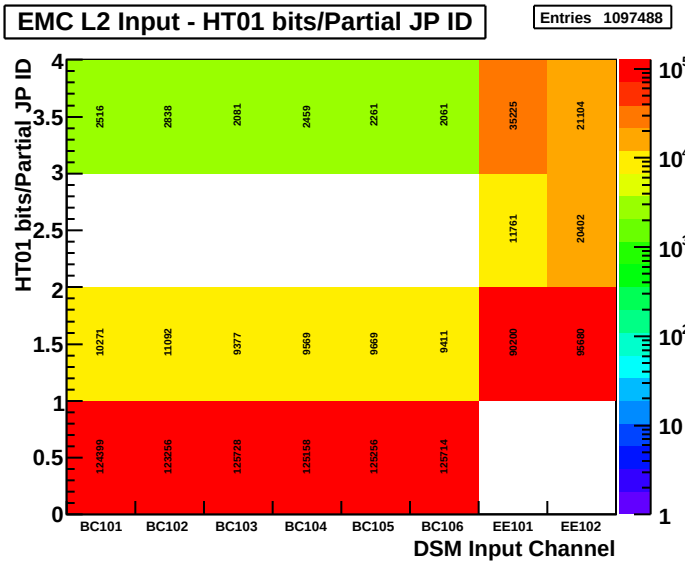

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

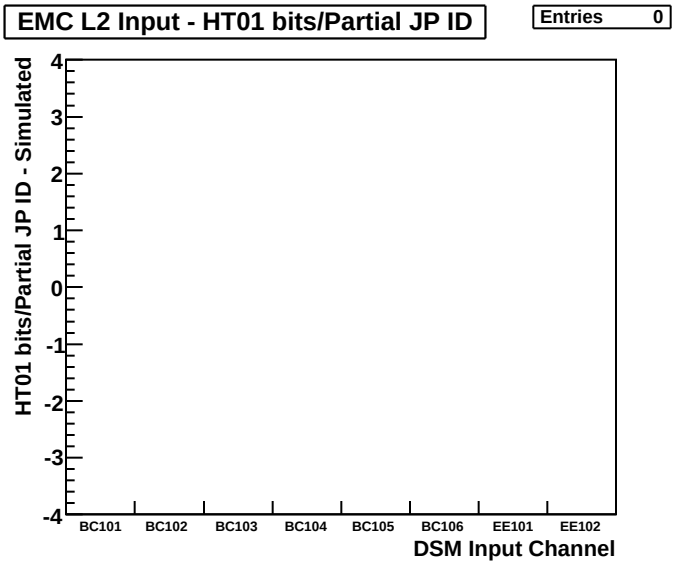

EMC L2 Input - JPZ/JPC bits
Entries 1097488
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
96180 97160 96048 96439 94787 95760 97904 98056
5926 5814 5542 5851 5448 5697 5581 5610
3097 3005 2876 3015 2951 2922 3032 2880
31883 31207 32720 31881 34100 32807 30669 30630

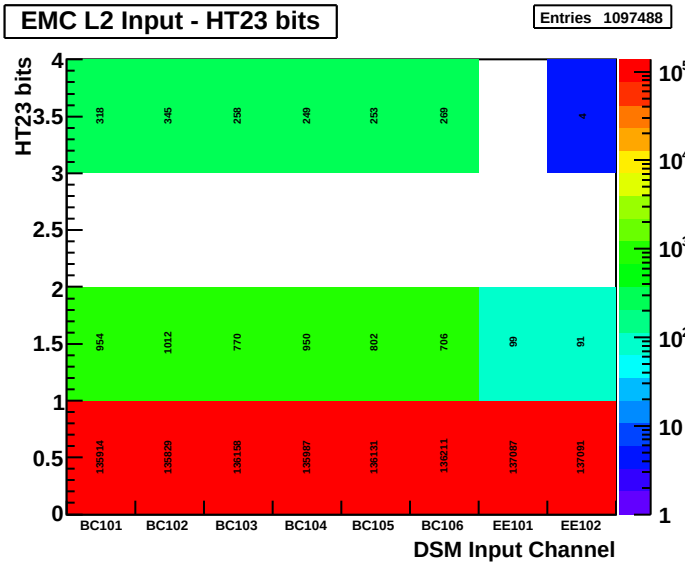

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

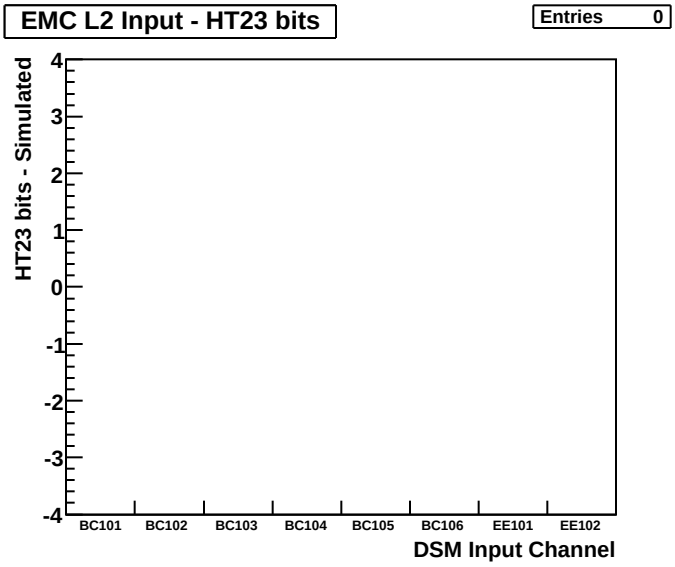

EMC L2 Input - Partial JP Sum
Entries 1097488
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

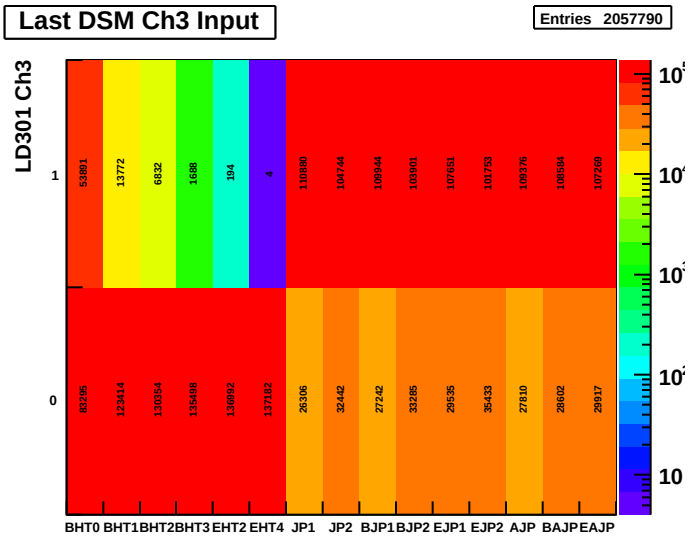

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

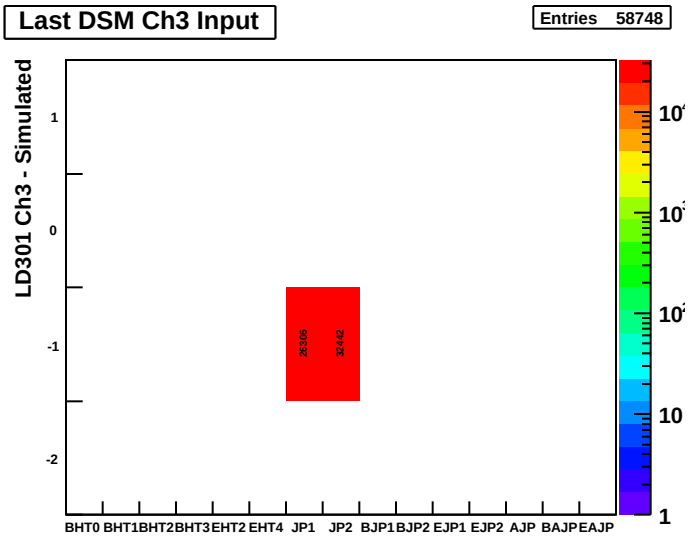

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1097488
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

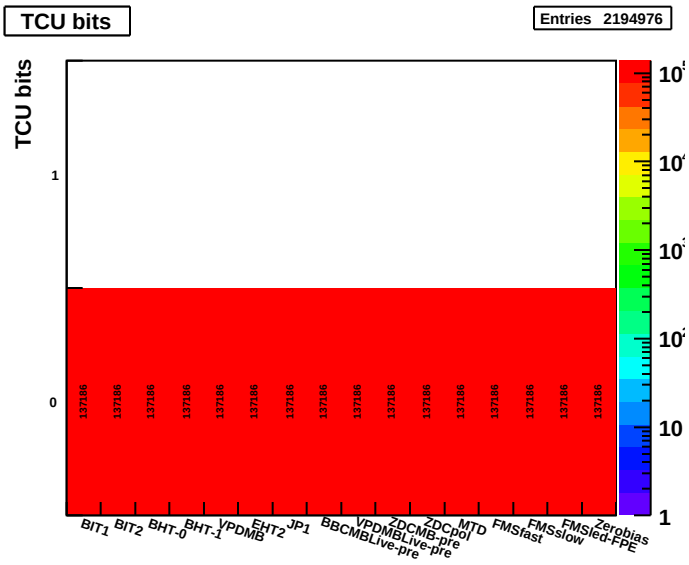

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

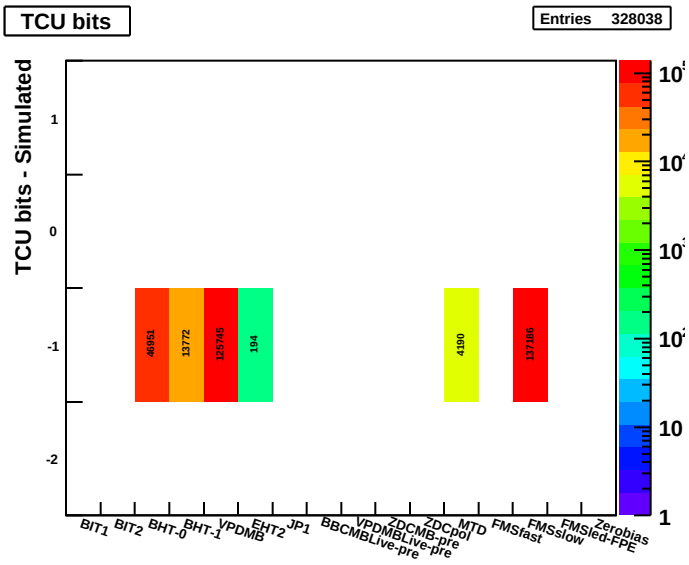

EMC L2 Input - HT23 bits
Entries 1097488
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

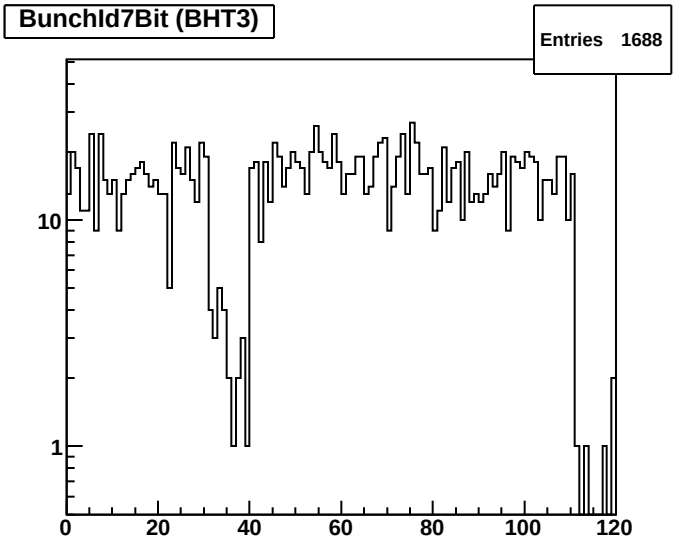

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

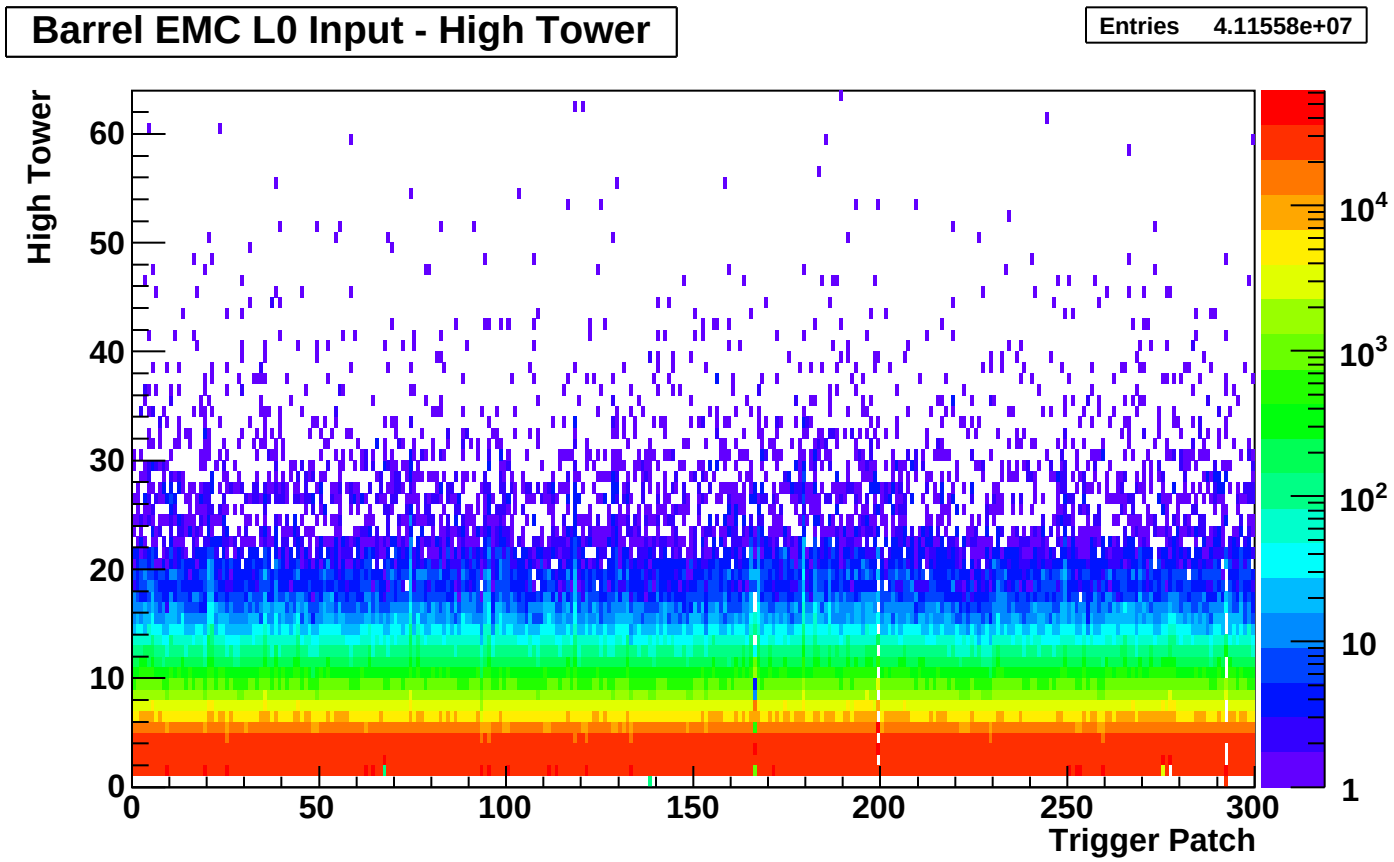

Last DSM Ch3 Input
Entries 2057790
LD301 Ch3
1
0
53801
13772
6832
1688
194
4
110880
104744
100944
103901
107651
101753
109376
108584
107269
83285
123414
130354
135498
136992
137162
26306
32442
27242
33285
29535
35433
27810
28602
29917
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

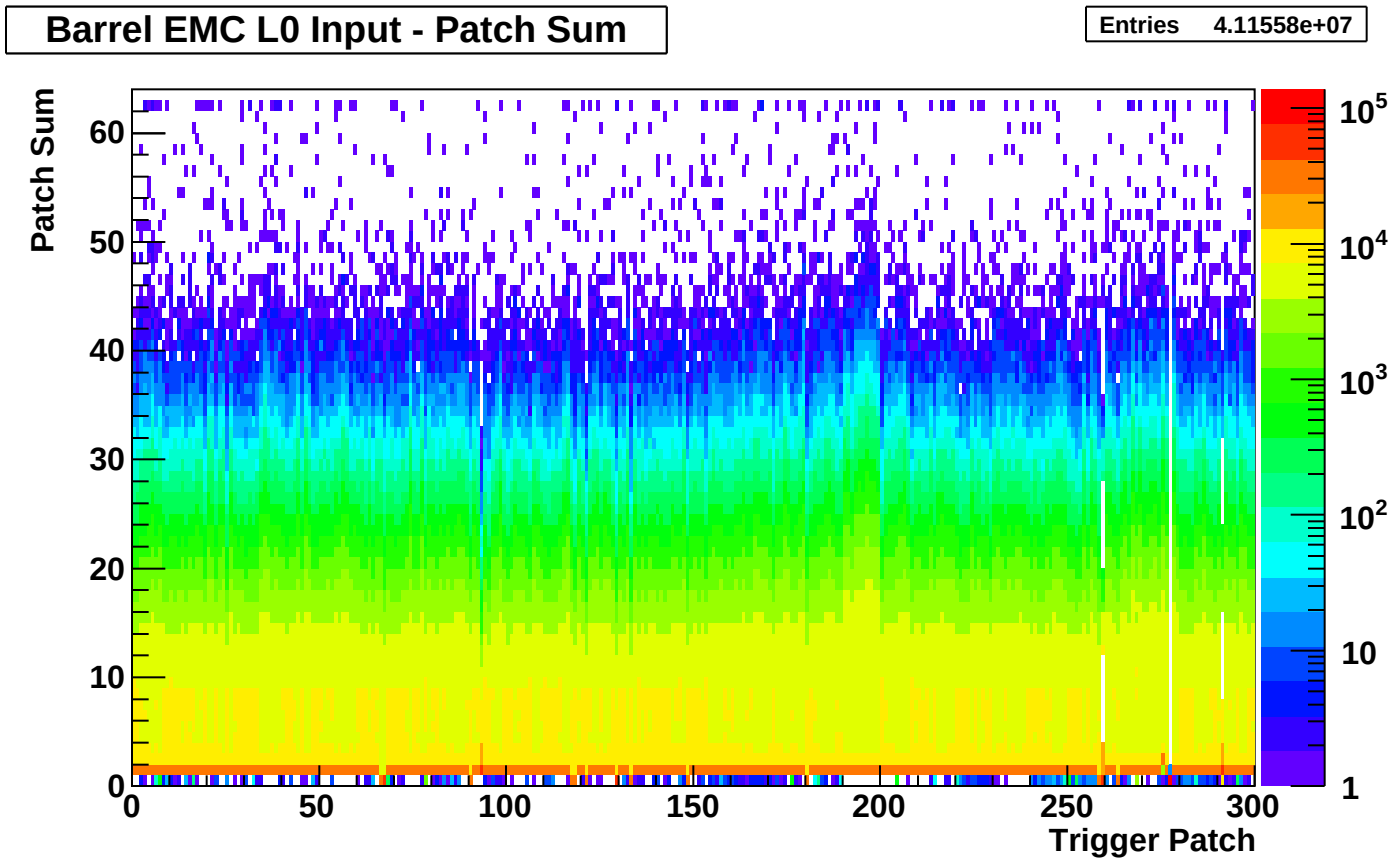

Last DSM Ch3 Input
Entries 58748
LD301 Ch3 - Simulated
1
0
-1
-2
26306
32442
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

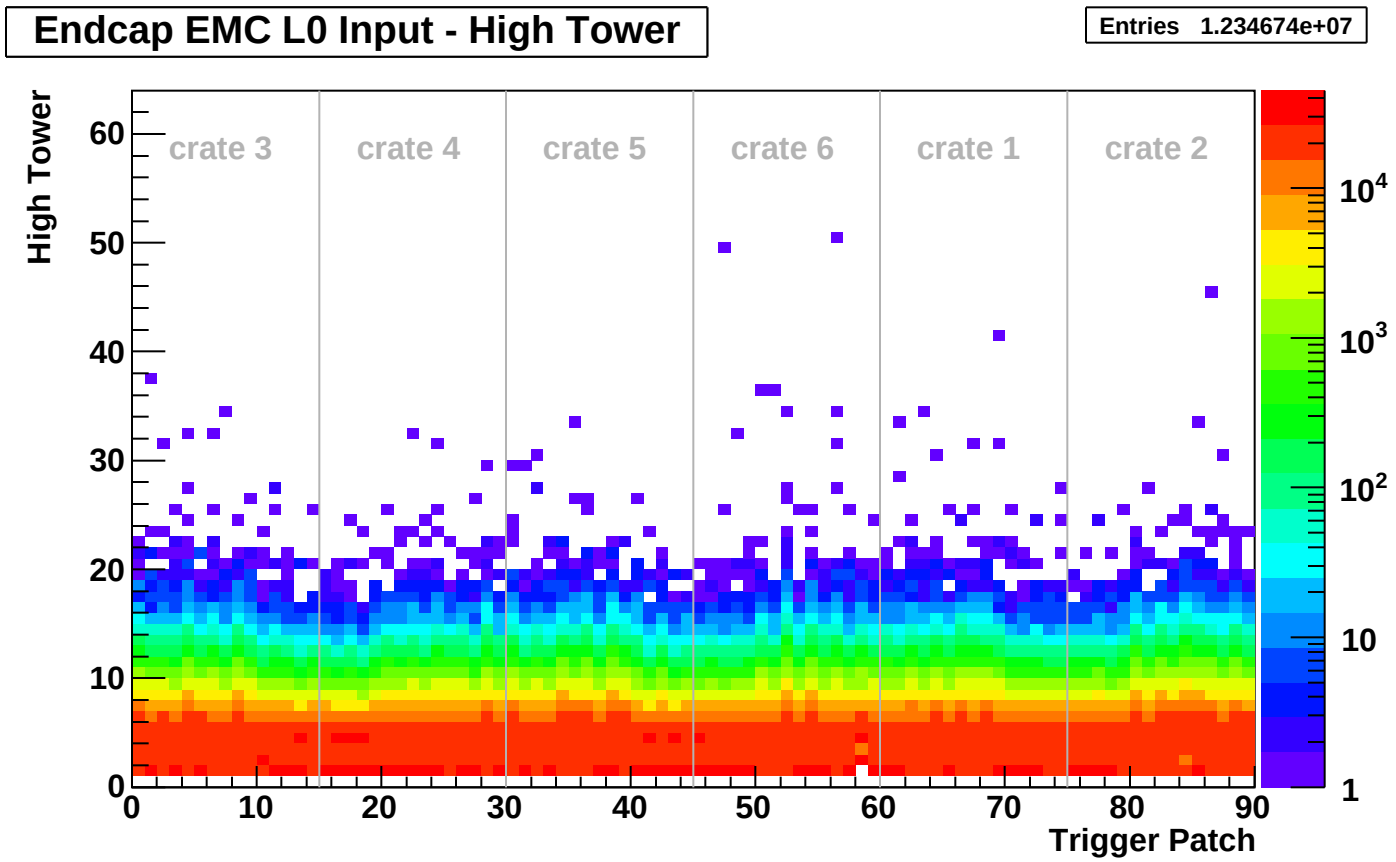

TCU bits
Entries 2194976
TCU bits
1
0
137186
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

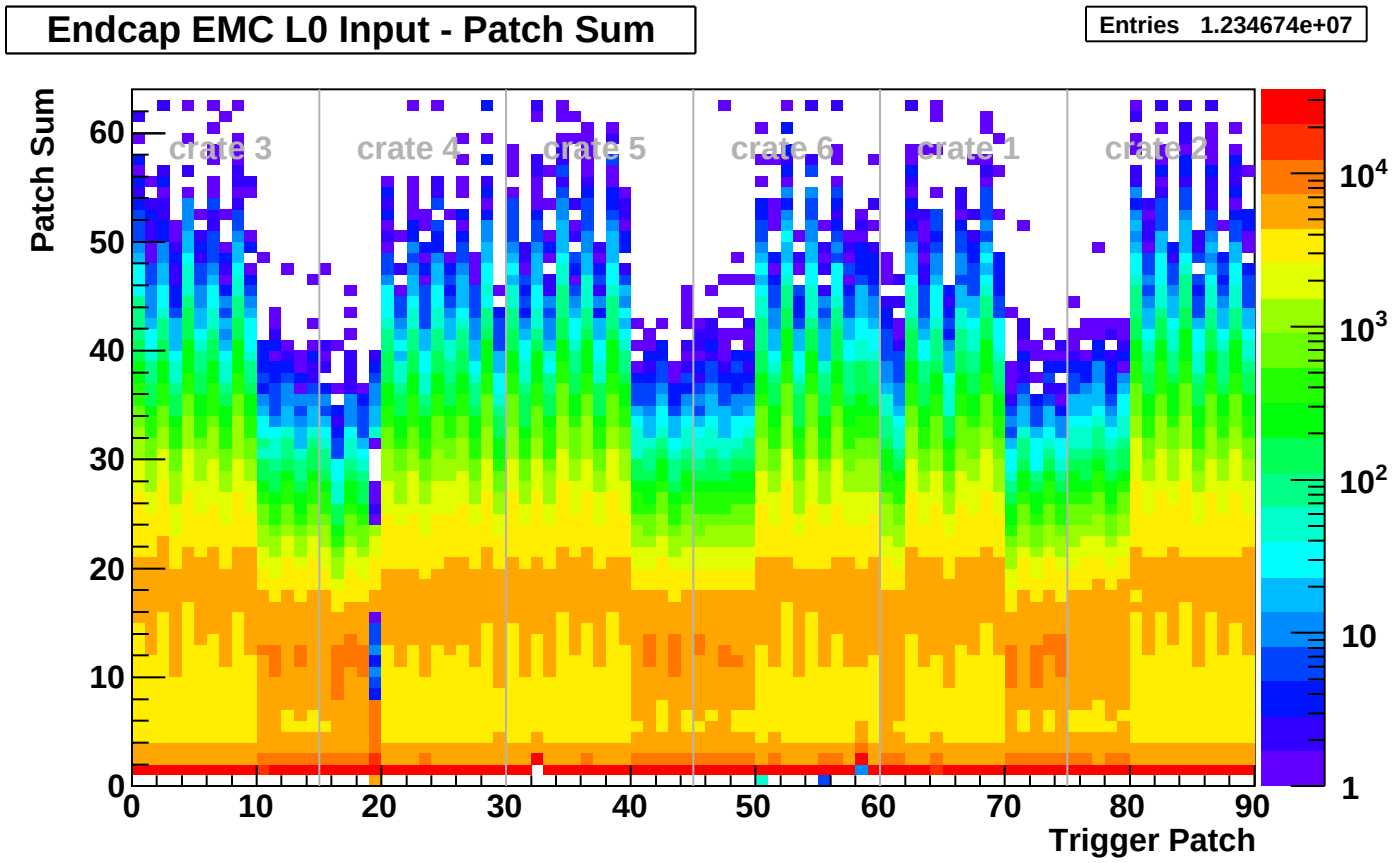

TCU bits
Entries 328038
TCU bits - Simulated
1
0
-1
-2
46951
13772
125745
194
4190
137186
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

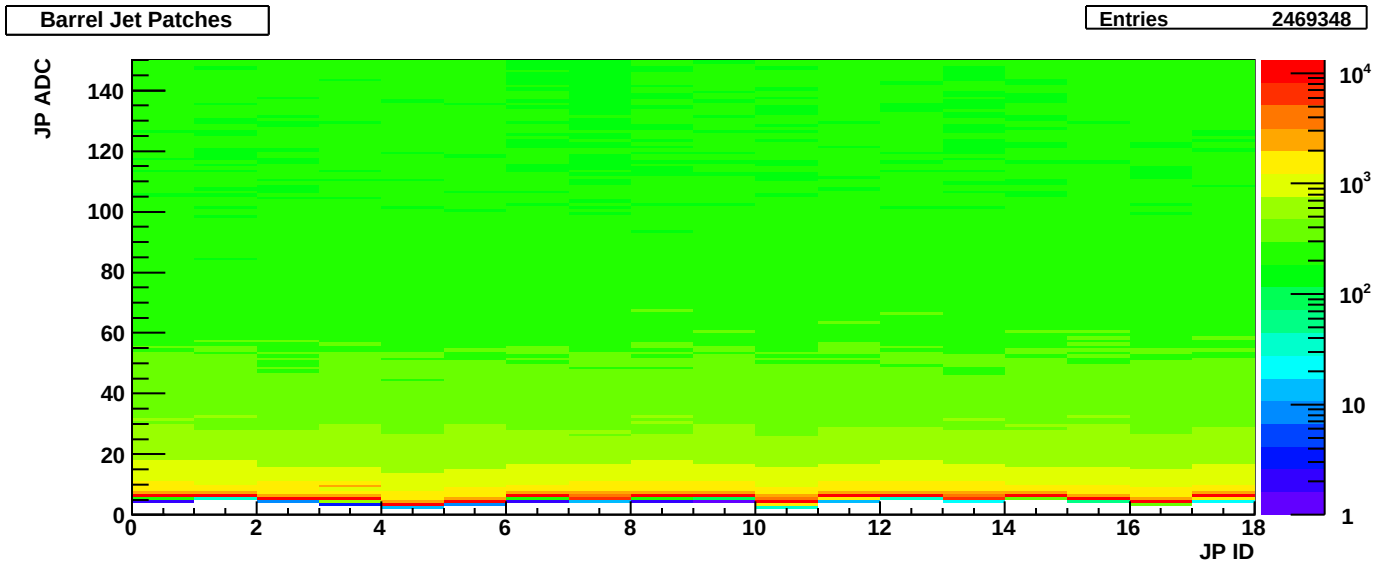

BunchId7Bit (BHT3)
Entries 1688
10
1
0
20
40
60
80
100
120

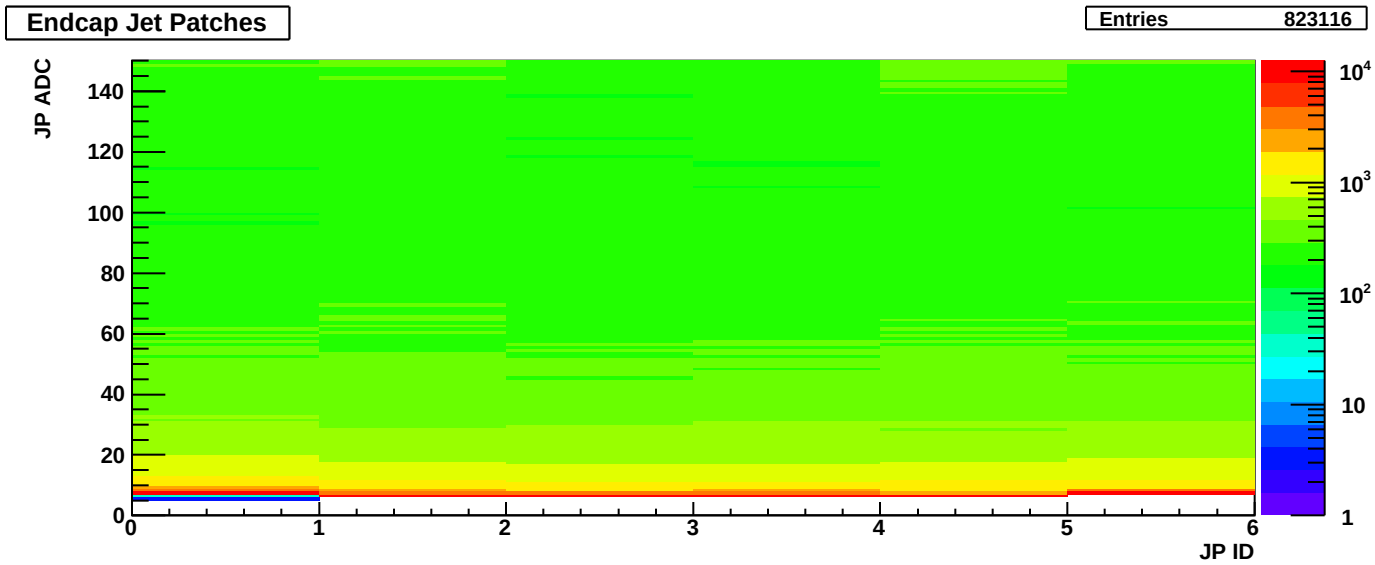

Barrel EMC L0 Input - High Tower
Entries 4.11558e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

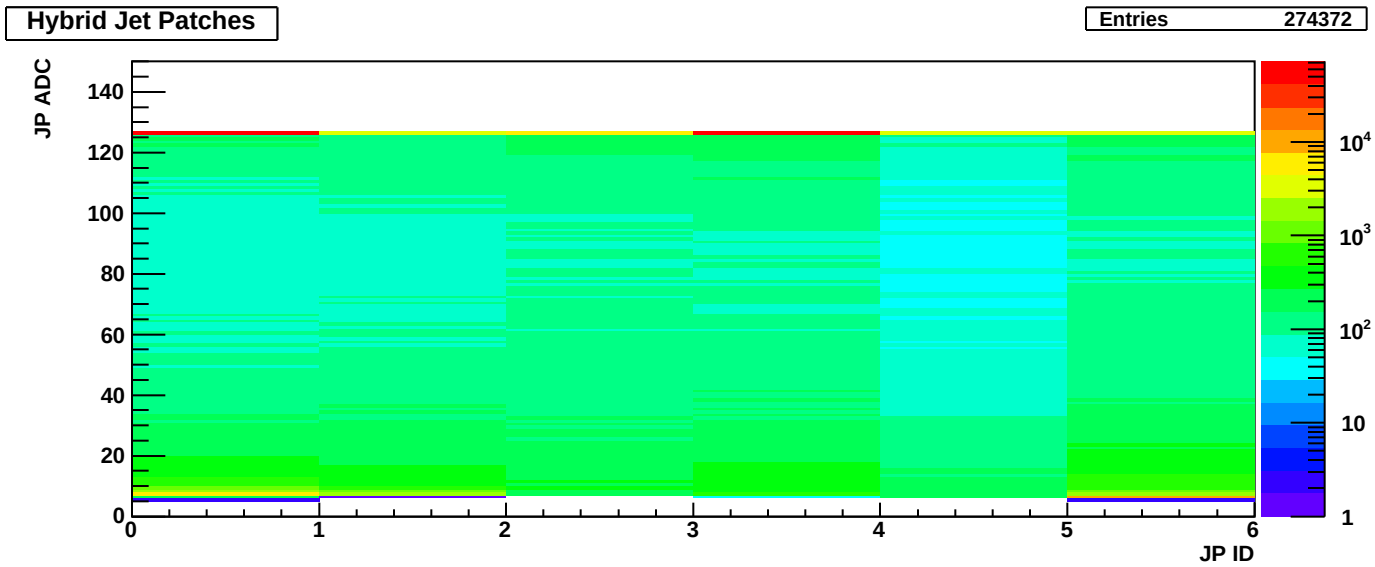

Barrel EMC L0 Input - Patch Sum
Entries 4.11558e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

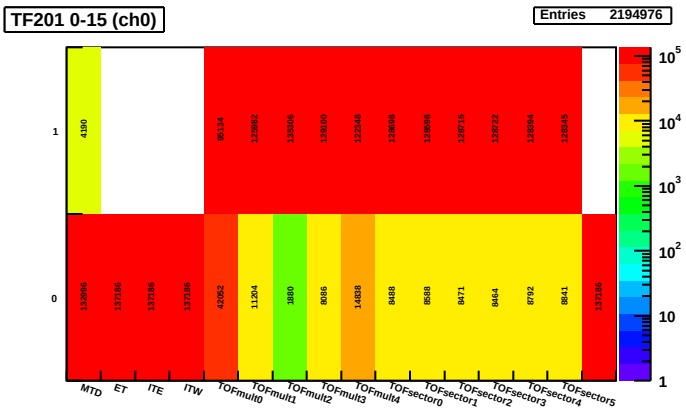

Endcap EMC L0 Input - High Tower
Entries 1.234674e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

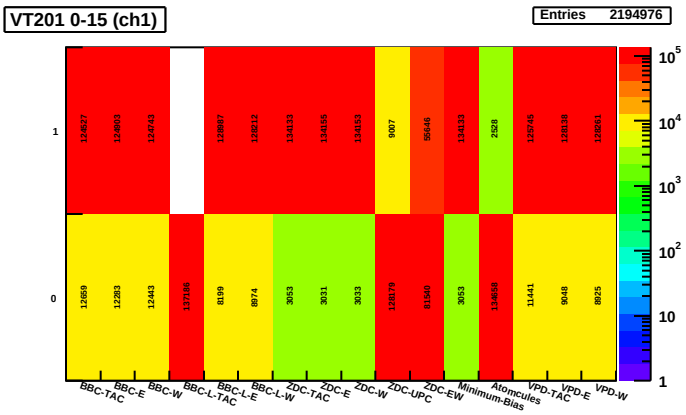

Endcap EMC L0 Input - Patch Sum
Entries 1.234674e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

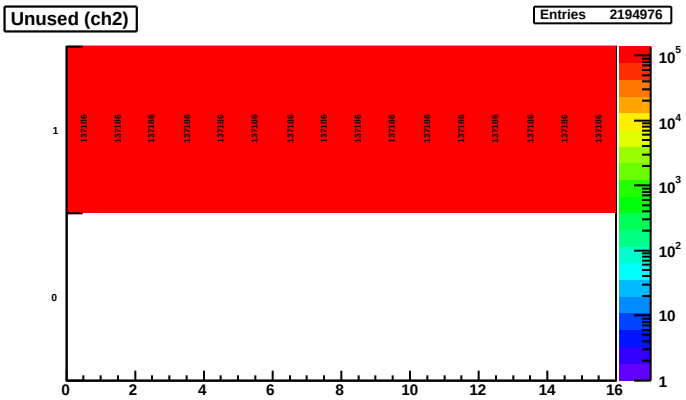

Barrel Jet Patches
Entries 2469348
JP ADC
JP ID

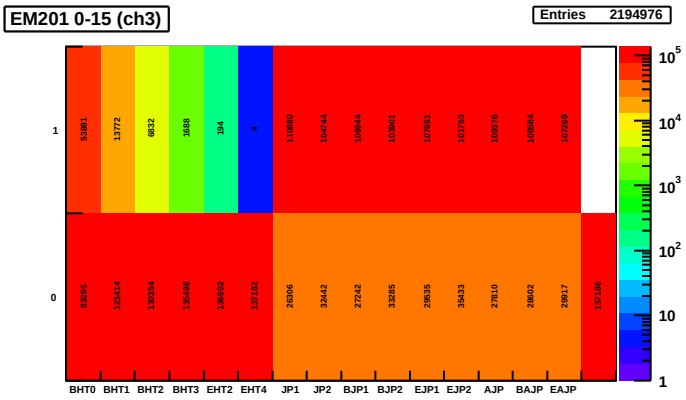

Endcap Jet Patches
Entries 823116
JP ADC
JP ID

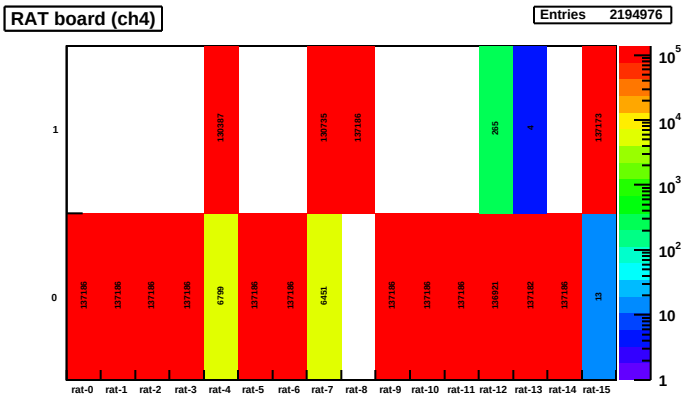

Hybrid Jet Patches
Entries 274372
JP ADC
JP ID

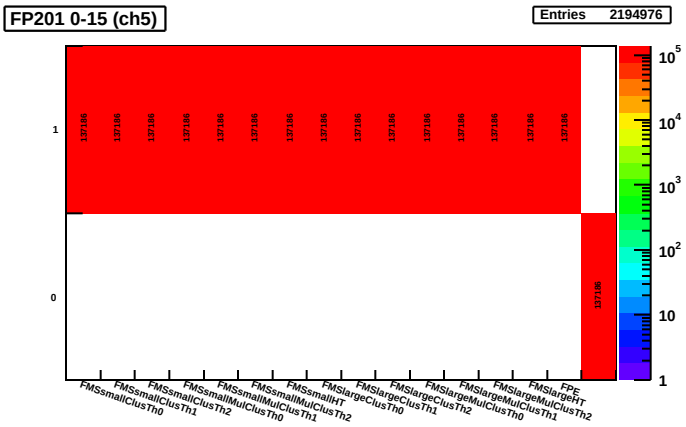

TF201 0-15 (ch0)
Entries 2194976
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

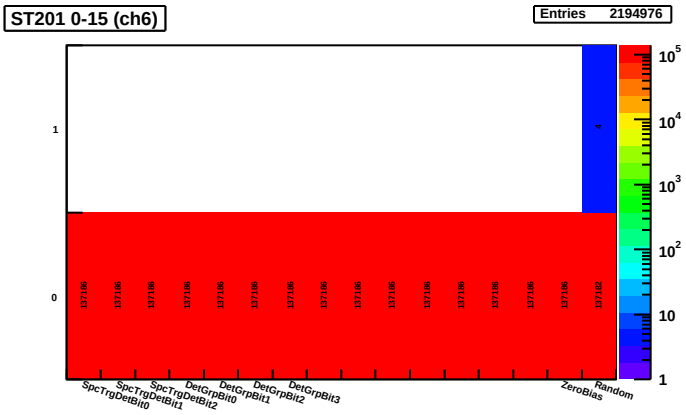

VT201 0-15 (ch1)
Entries 2194976
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

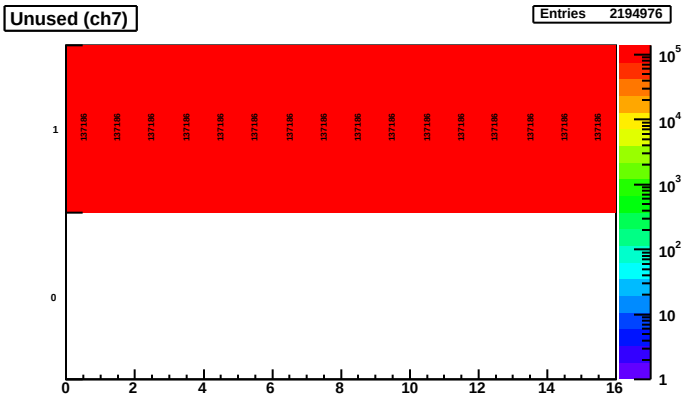

Unused (ch2)
Entries 2194976

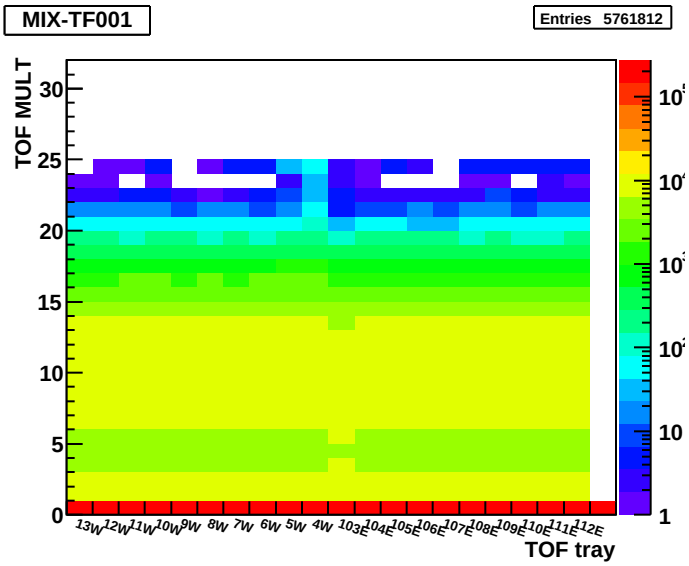

EM201 0-15 (ch3)
Entries 2194976
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

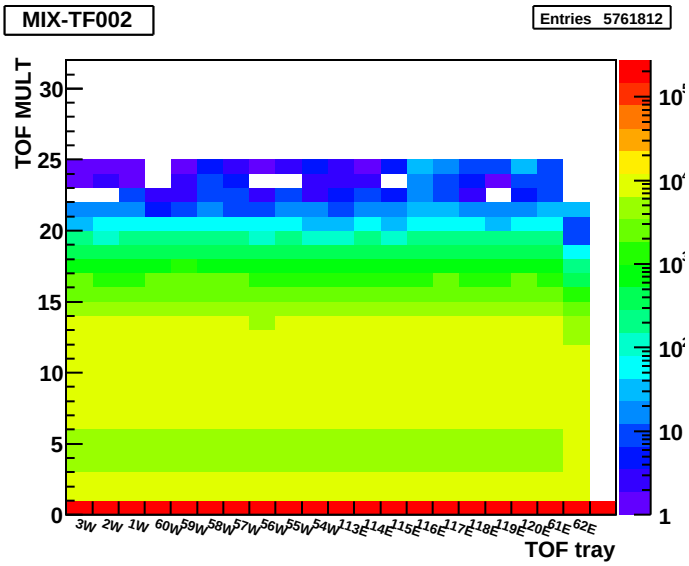

RAT board (ch4)
Entries 2194976
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

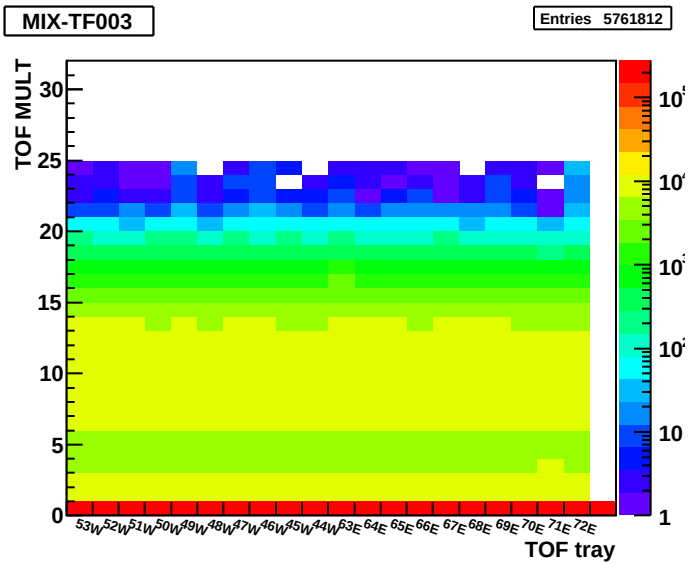

FP201 0-15 (ch5)
Entries 2194976
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

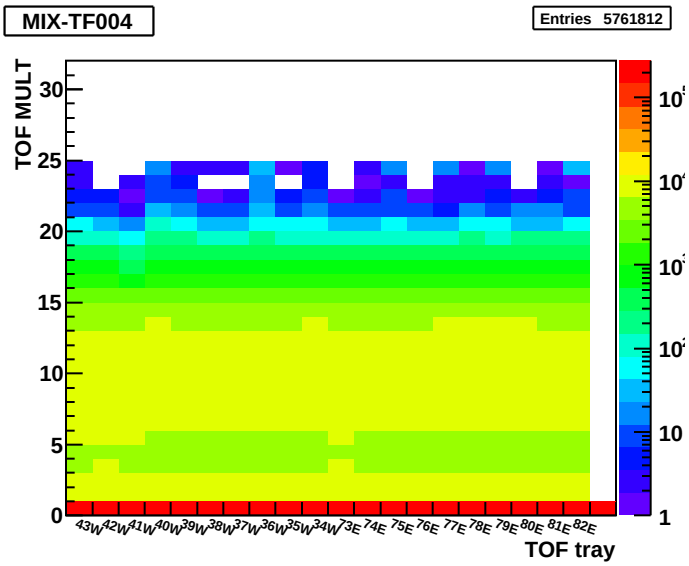

ST201 0-15 (ch6)
Entries 2194976
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

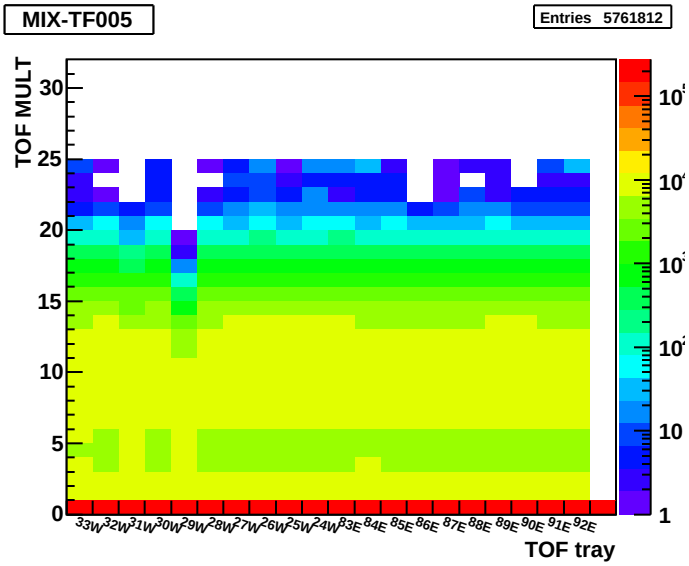

Unused (ch7)
Entries 2194976

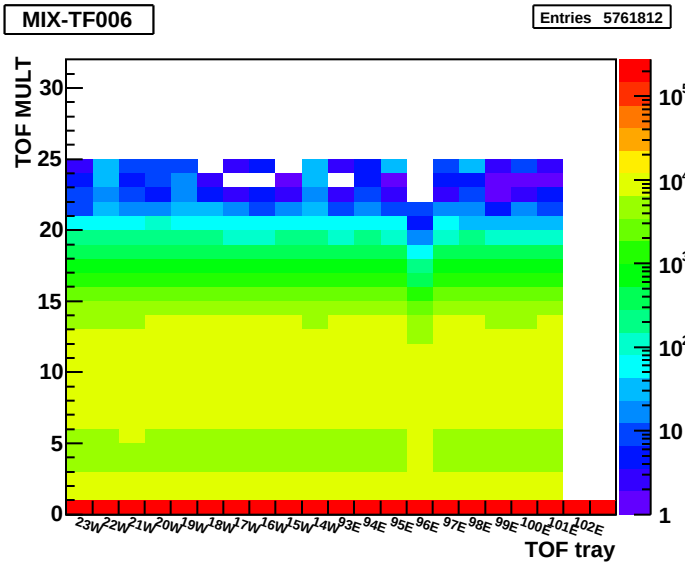

MIX-TF001
Entries 5761812
TOF MULT
TOF tray

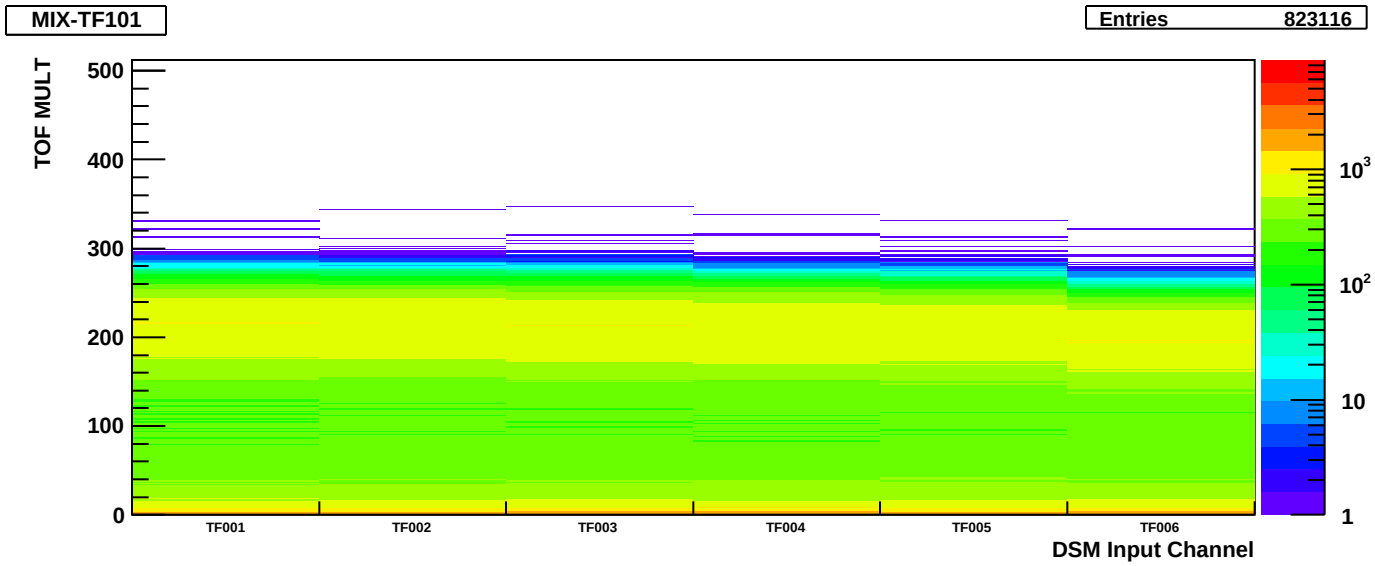

MIX-TF002
Entries 5761812
TOF MULT
TOF tray

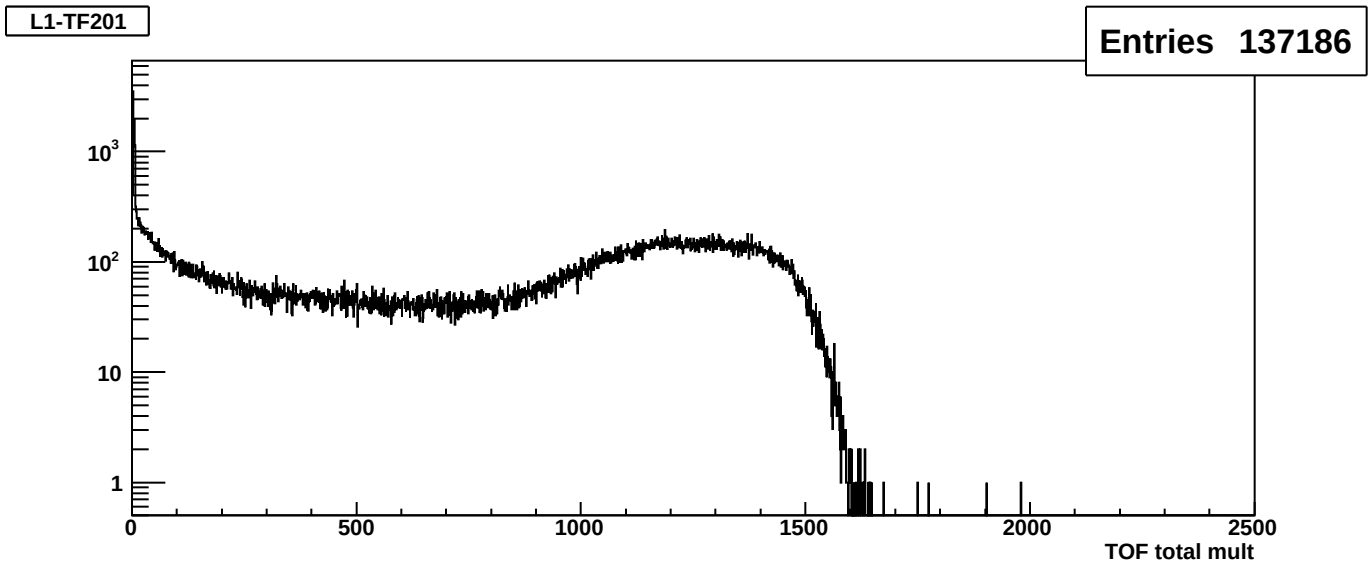

MIX-TF003
Entries 5761812
TOF MULT
TOF tray

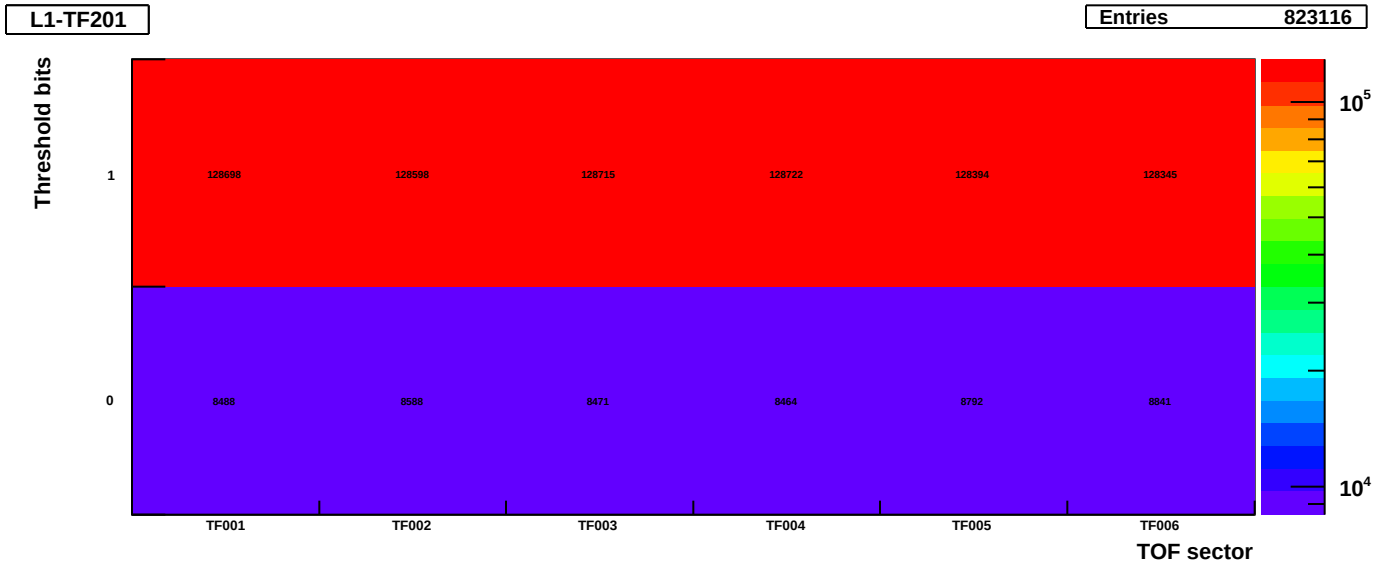

MIX-TF004
Entries 5761812
TOF MULT
TOF tray

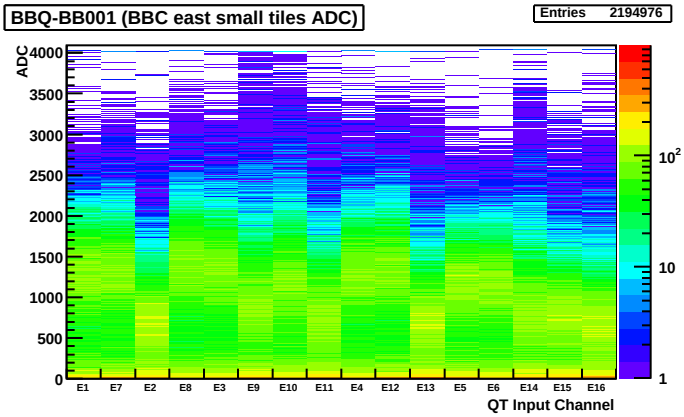

MIX-TF005
Entries 5761812
TOF MULT
TOF tray

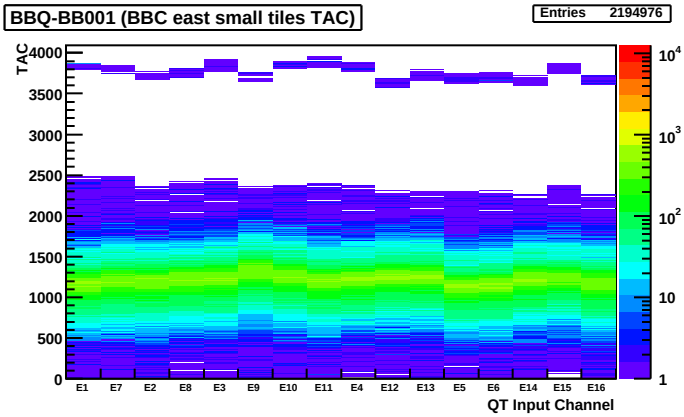

MIX-TF006
Entries 5761812
TOF MULT
TOF tray

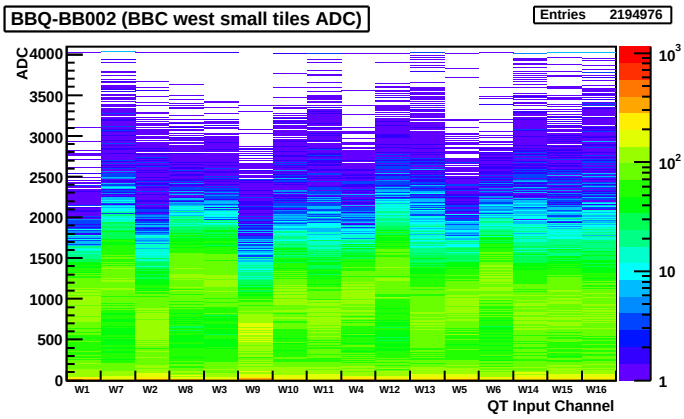

MIX-TF101
Entries 823116
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

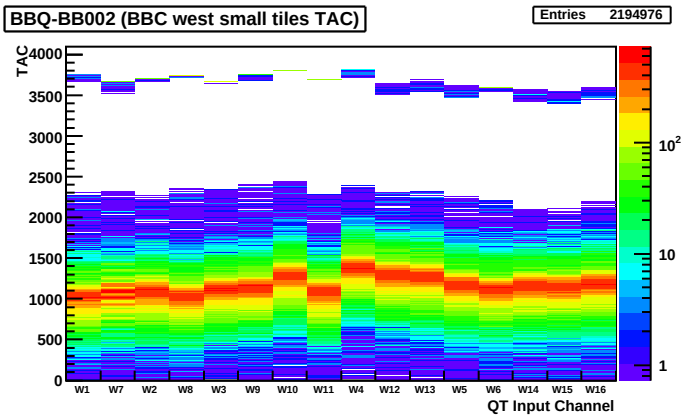

L1-TF201
Entries 137186
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

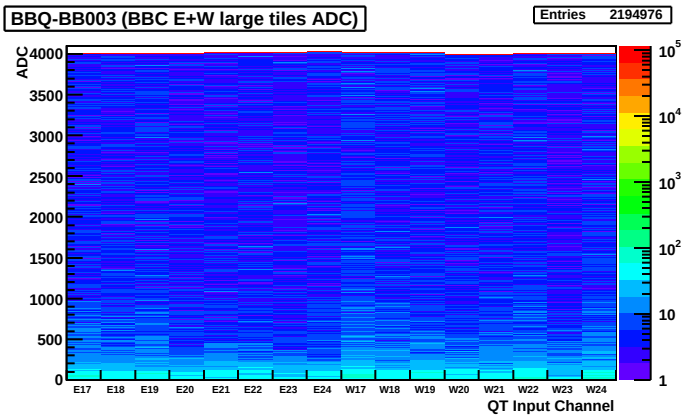

L1-TF201
Entries 823116
Threshold bits
1
0
128698
128598
128715
128722
128394
128345
8488
8588
8471
8464
8792
8841
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

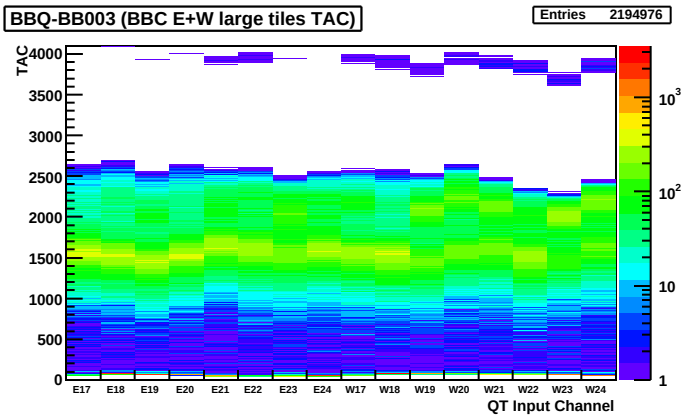

BBQ-BB001 (BBC east small tiles ADC)
Entries 2194976
ADC
QT Input Channel

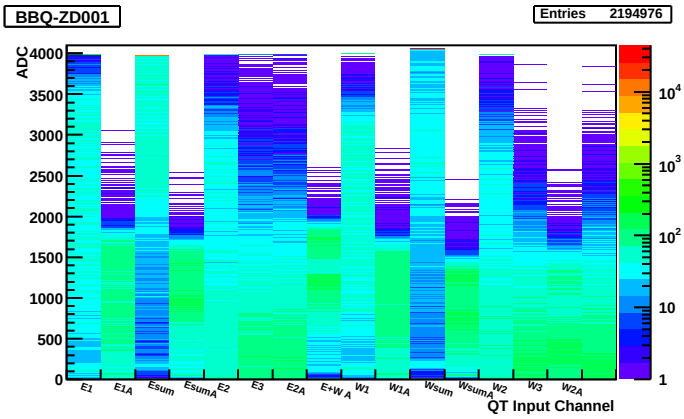

BBQ-BB001 (BBC east small tiles TAC)
Entries 2194976
TAC
QT Input Channel

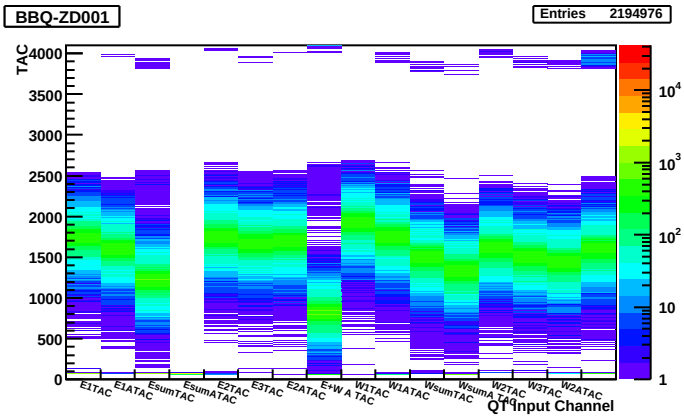

BBQ-BB002 (BBC west small tiles ADC)
Entries 2194976
ADC
QT Input Channel

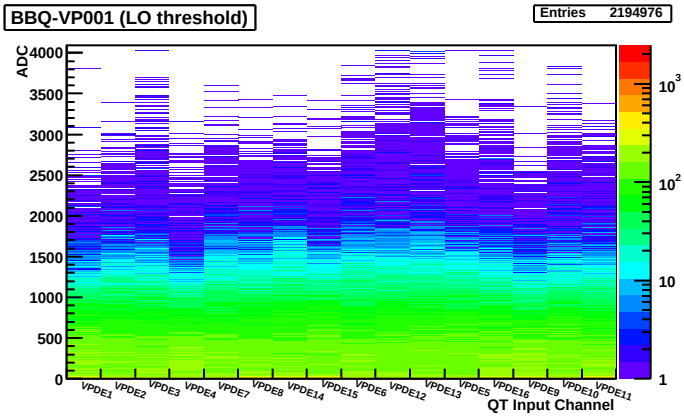

BBQ-BB002 (BBC west small tiles TAC)
Entries 2194976
TAC
QT Input Channel

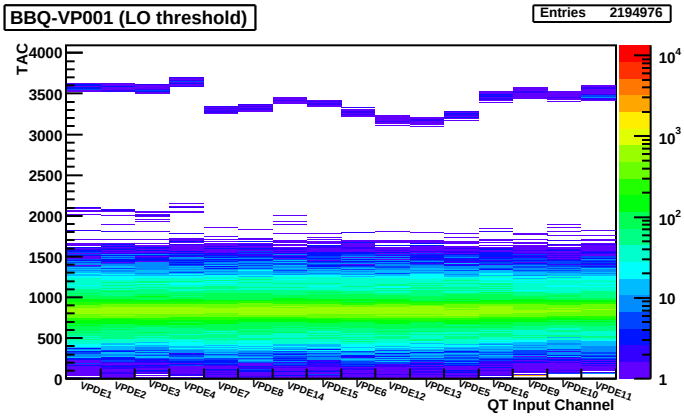

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2194976
ADC
QT Input Channel

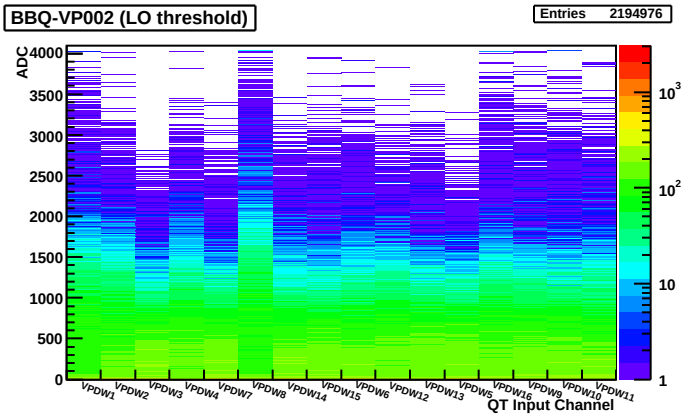

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2194976
TAC
QT Input Channel

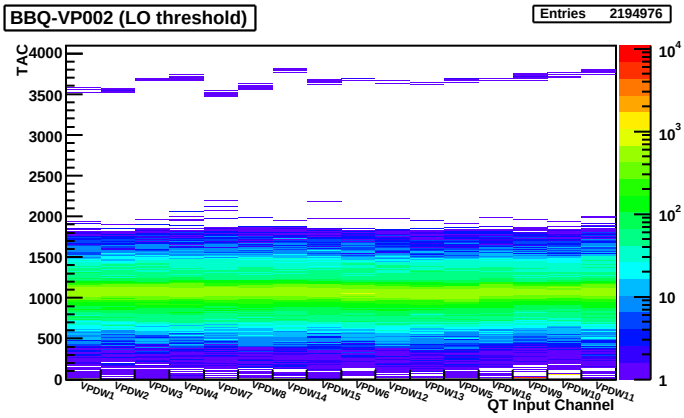

BBQ-ZD001
Entries 2194976
ADC
QT Input Channel

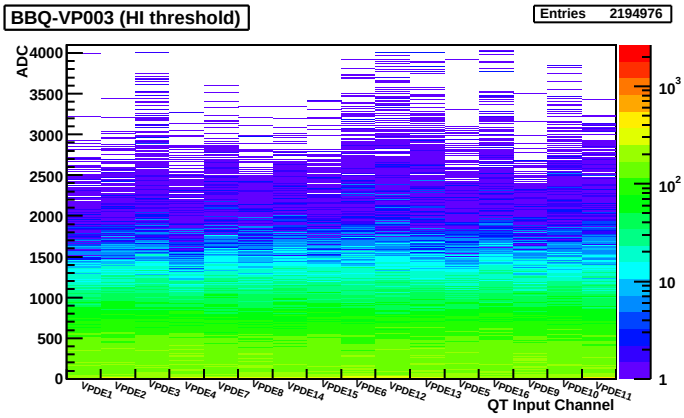

BBQ-ZD001
Entries 2194976
TAC
QT Input Channel

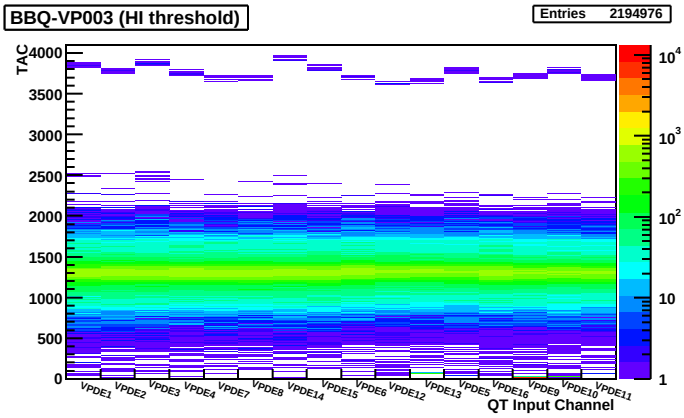

BBQ-VP001 (LO threshold)
Entries 2194976
ADC
QT Input Channel

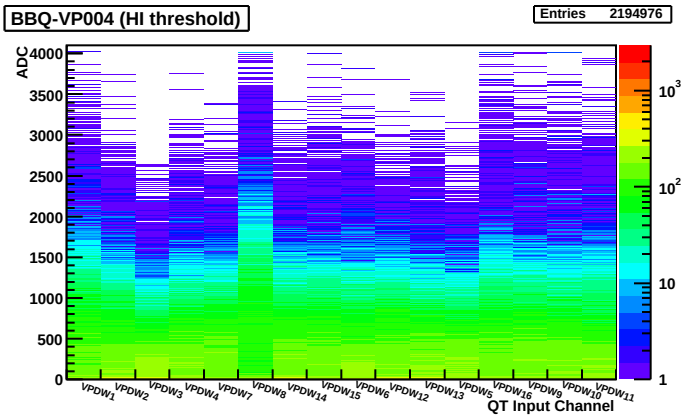

BBQ-VP001 (LO threshold)
Entries 2194976
TAC
QT Input Channel

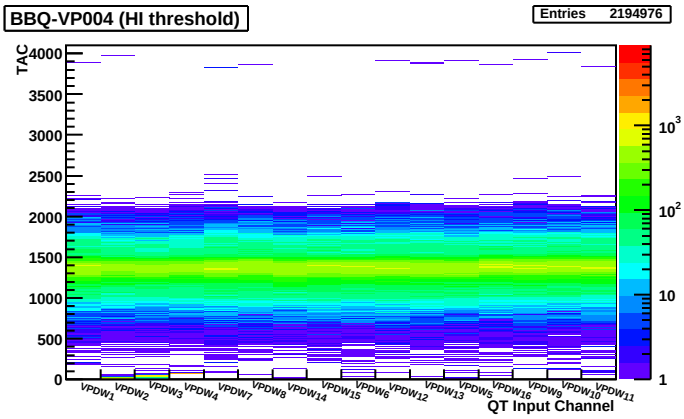

BBQ-VP002 (LO threshold)
Entries 2194976
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 2194976
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 2194976
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 2194976
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 2194976
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 2194976
TAC
QT Input Channel