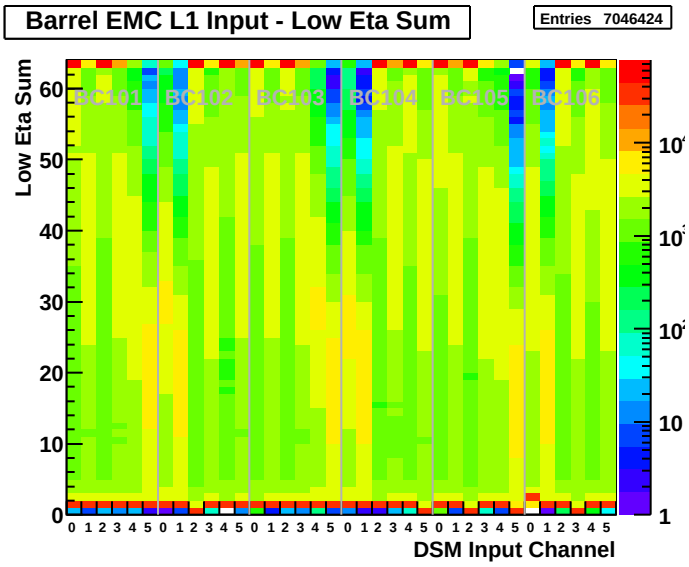
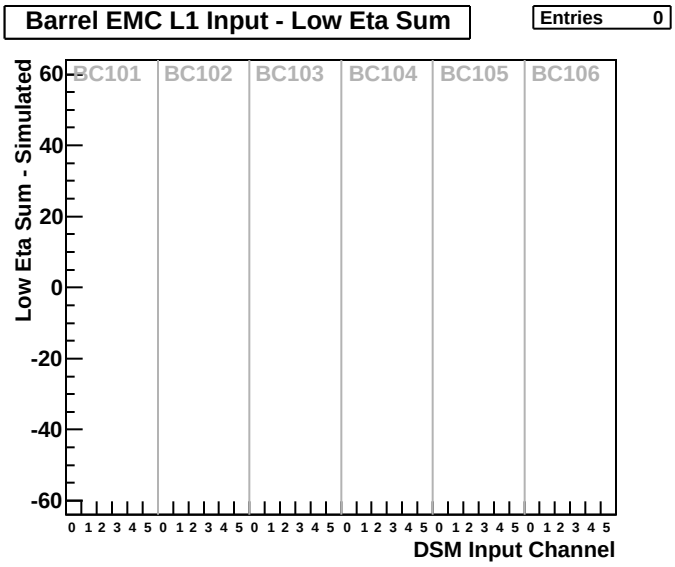
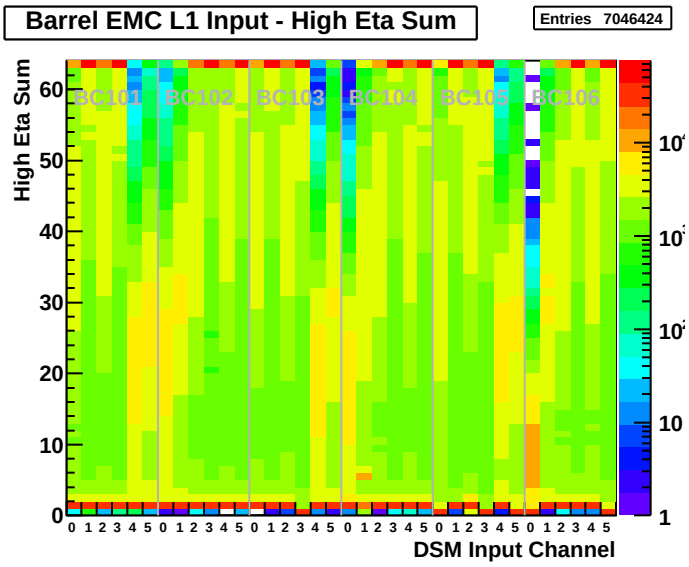
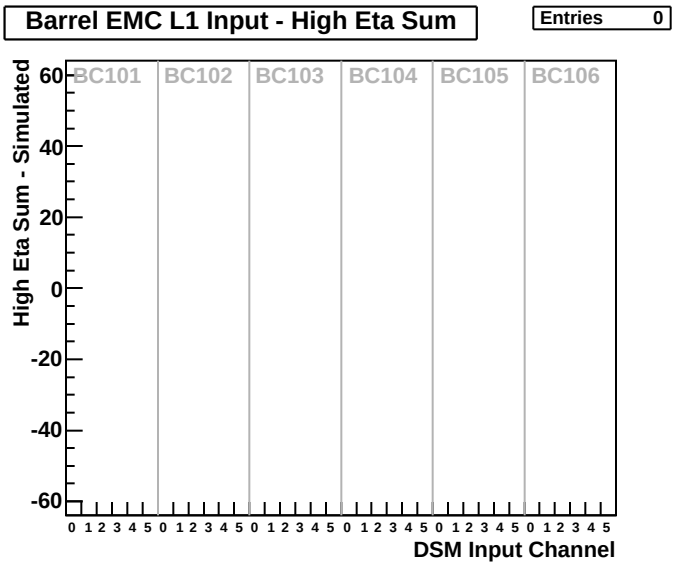
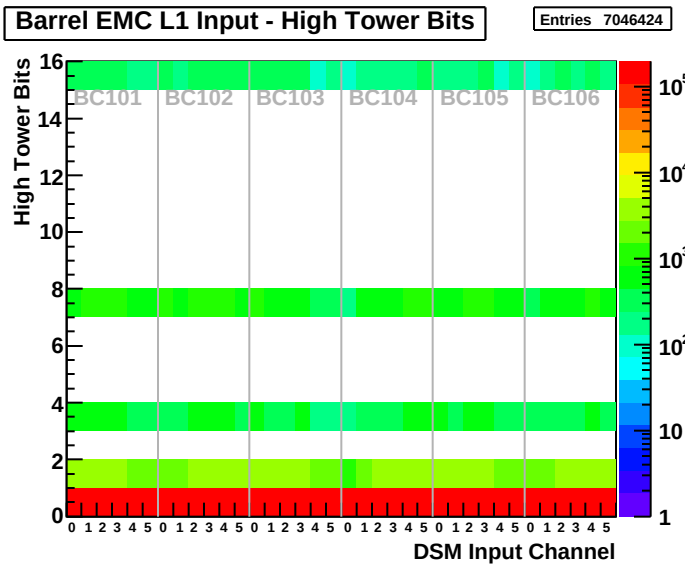
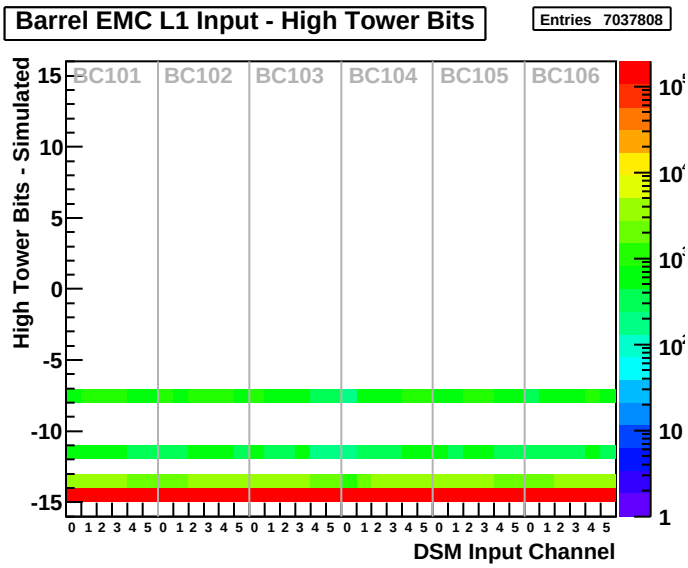

Barrel EMC L1 Input - Low Eta Sum
Entries 7046424
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

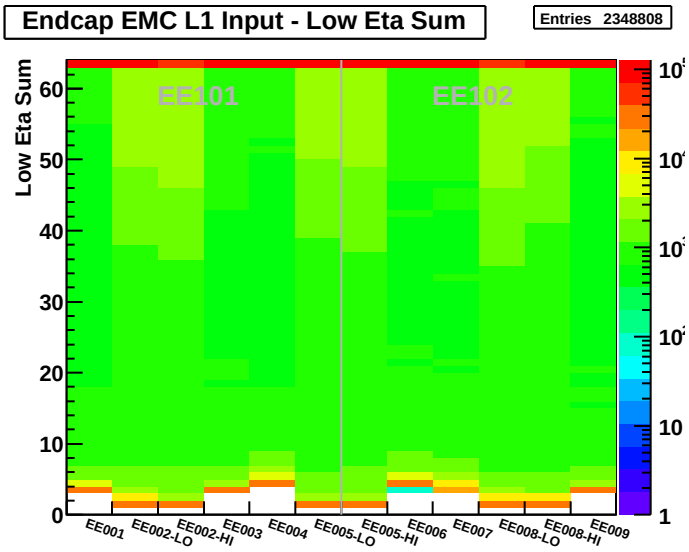

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

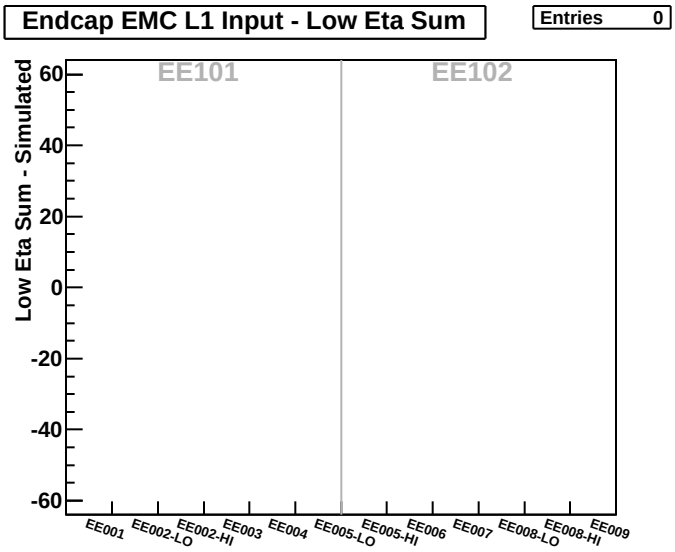

Barrel EMC L1 Input - High Eta Sum
Entries 7046424
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

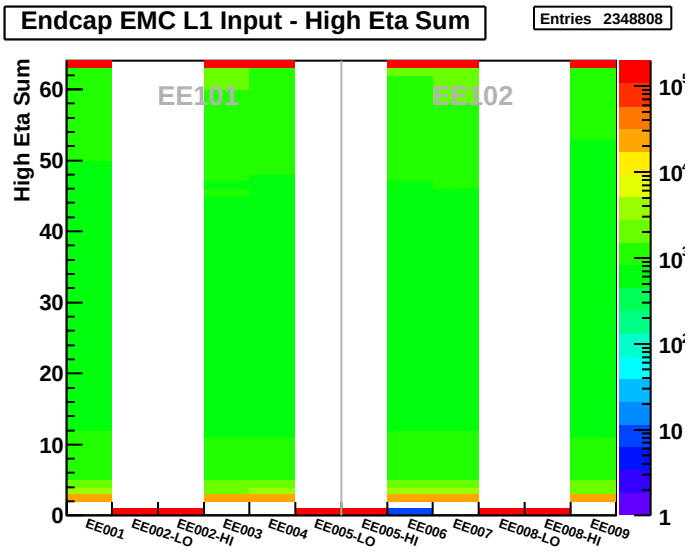

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

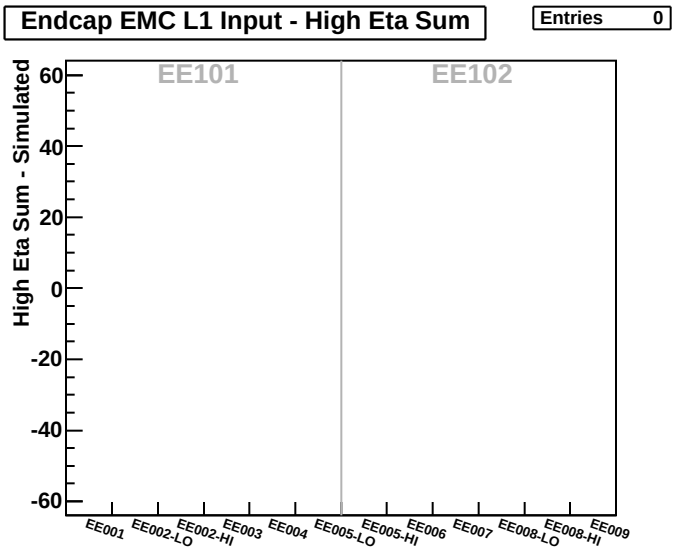

Barrel EMC L1 Input - High Tower Bits
Entries 7046424
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

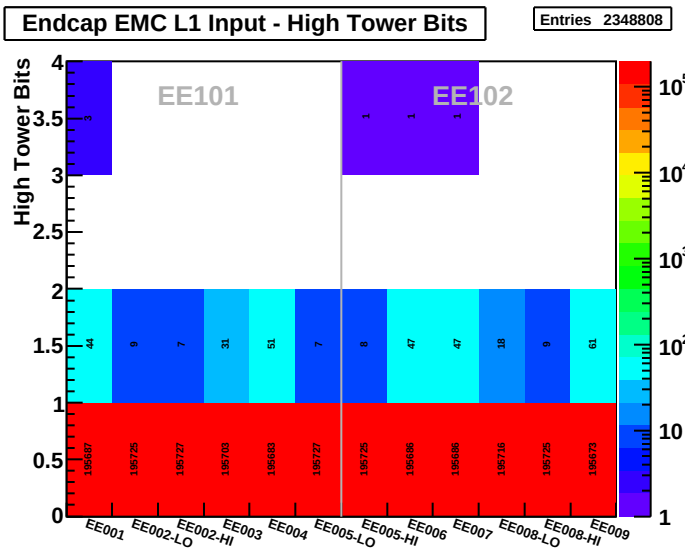

Barrel EMC L1 Input - High Tower Bits
Entries 7037808
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

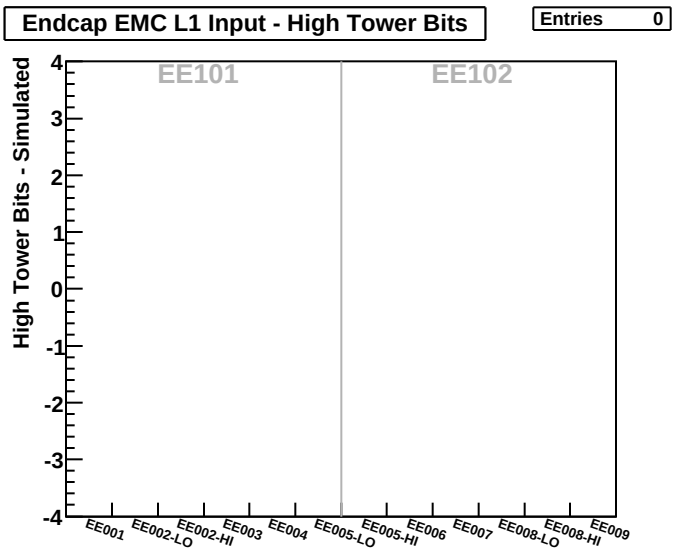

Endcap EMC L1 Input - Low Eta Sum
Entries 2348808
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

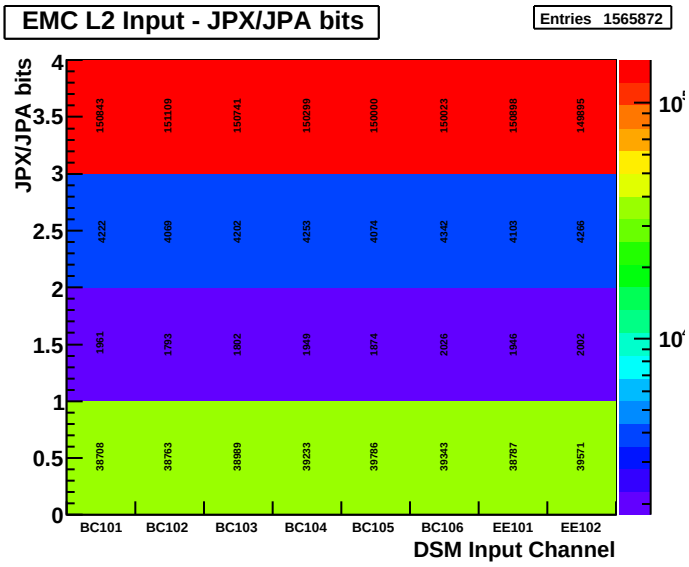

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

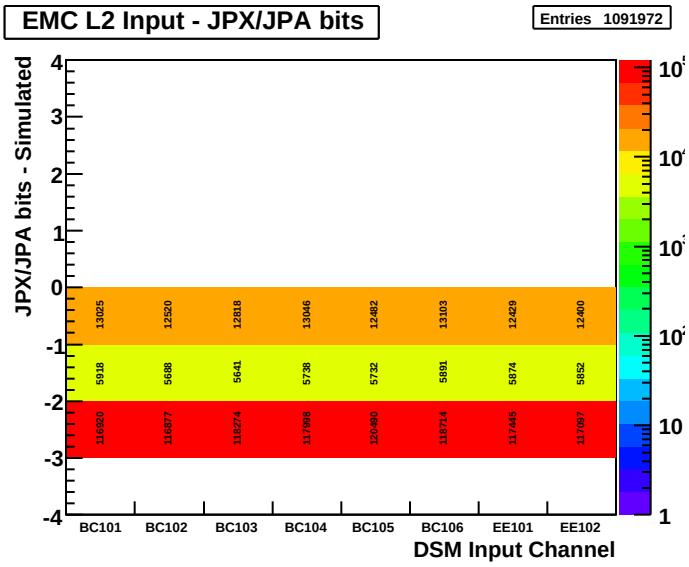

Endcap EMC L1 Input - High Eta Sum
Entries 2348808
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

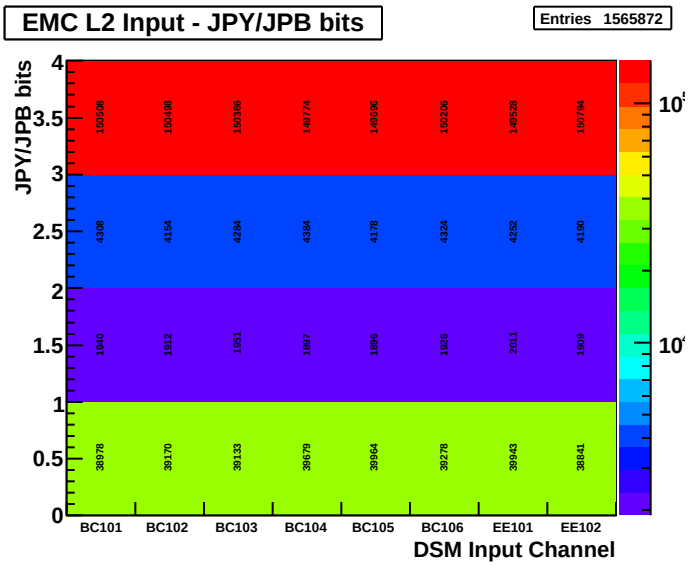

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

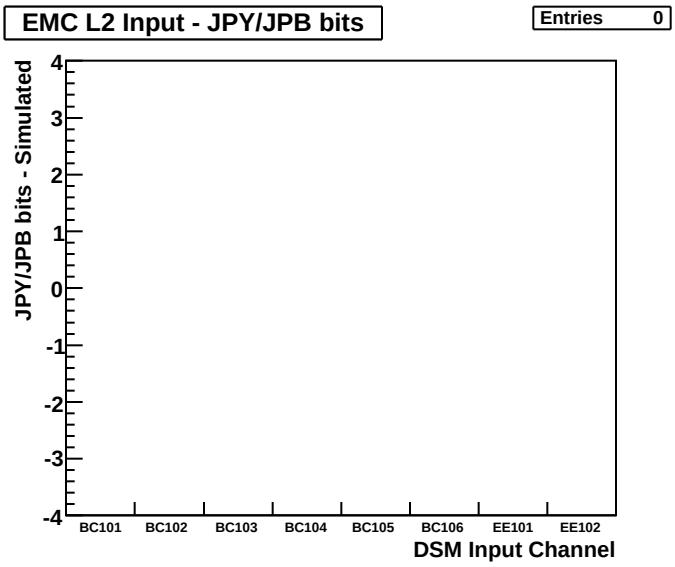

Endcap EMC L1 Input - High Tower Bits
Entries 2348808
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

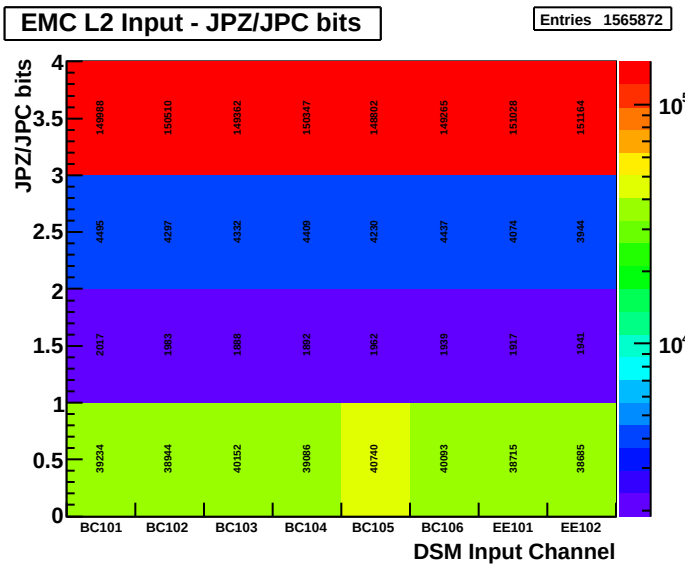

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

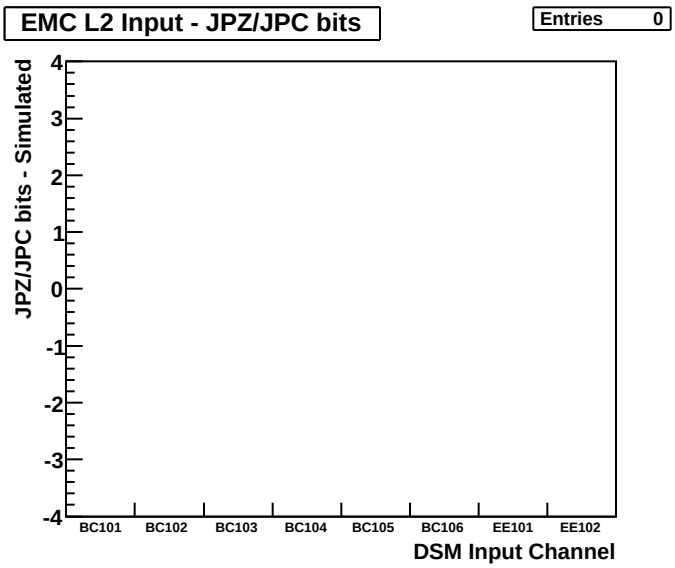

EMC L2 Input - JPX/JPA bits
Entries 1565872
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
150843 151109 150741 150299 150000 150023 150898 149895
4222 4069 4202 4253 4074 4342 4103 4266
1961 1793 1802 1949 1974 2026 1946 2002
38708 38763 38989 39233 39786 39343 38787 39571

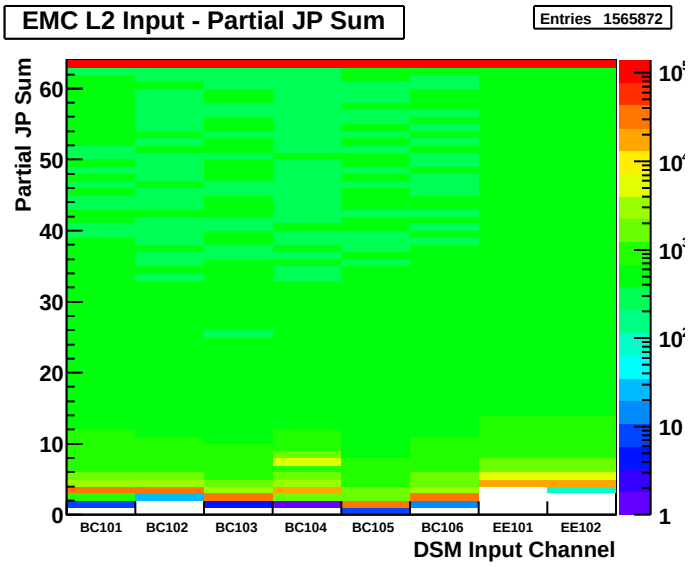

EMC L2 Input - JPX/JPA bits
Entries 1091972
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
13025 12520 12818 13046 12482 13103 12429 12400
5918 5688 5641 5738 5732 5891 5874 5852
116920 116877 118274 117998 120490 118714 117445 117097

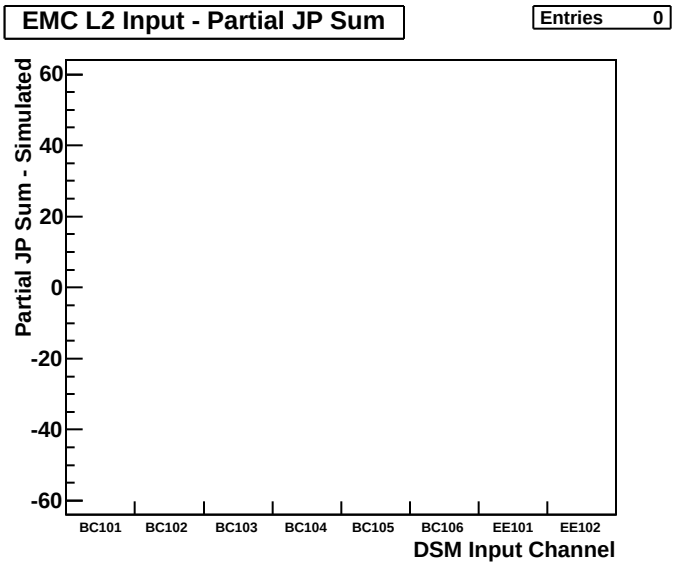

EMC L2 Input - JPY/JPB bits
Entries 1565872
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
150508 150488 150366 149774 149696 150206 149528 150794
4308 4154 4284 4384 4178 4324 4252 4190
1940 1912 1951 1897 1896 1926 2011 1909
38978 39170 39133 39679 39964 39278 39943 38841

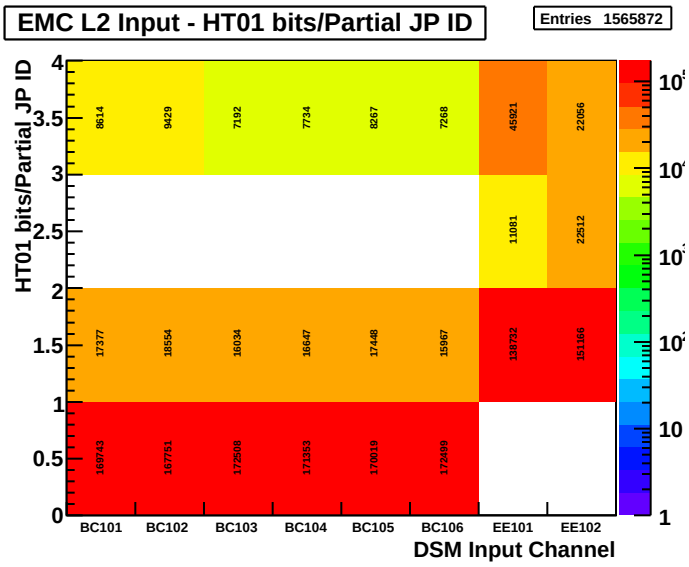

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

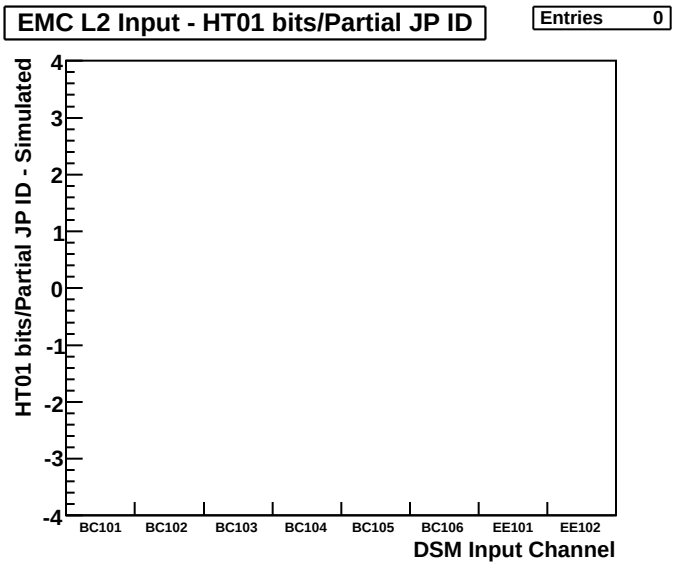

EMC L2 Input - JPZ/JPC bits
Entries 1565872
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
149988 150510 149362 150347 149802 149265 151028 151164
4495 4297 4332 4409 4230 4437 4074 3944
2017 1983 1888 1892 1962 1939 1917 1941
39234 38944 40152 39986 40740 40093 38715 38885

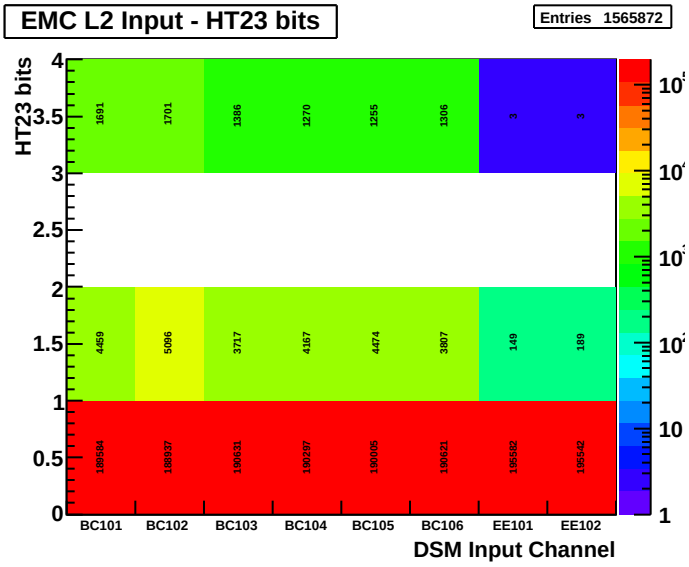

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

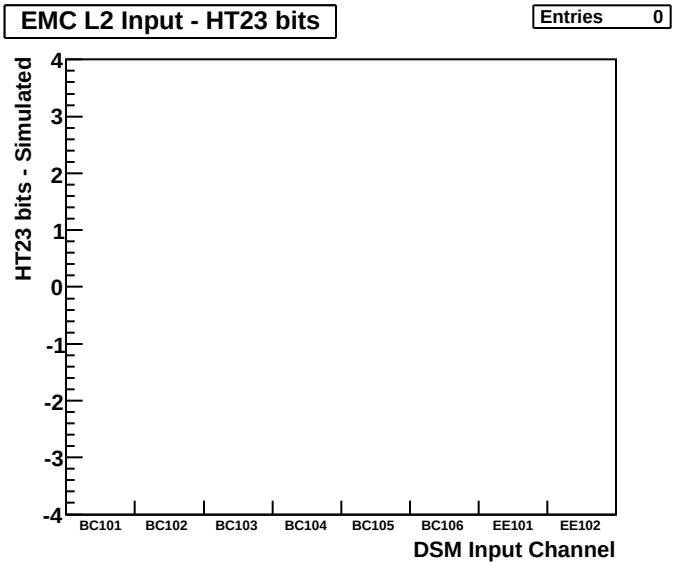

EMC L2 Input - Partial JP Sum
Entries 1565872
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

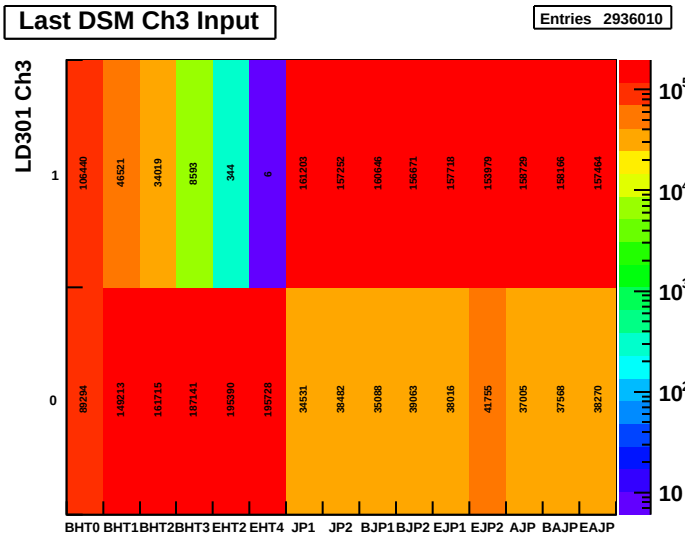

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

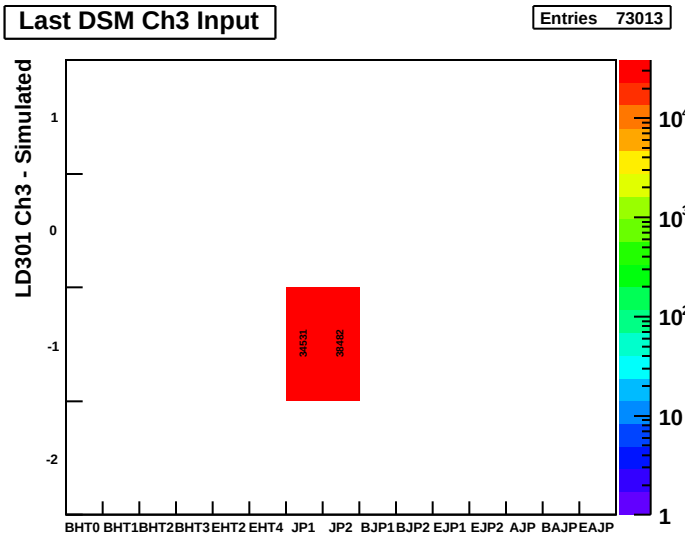

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1565872
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

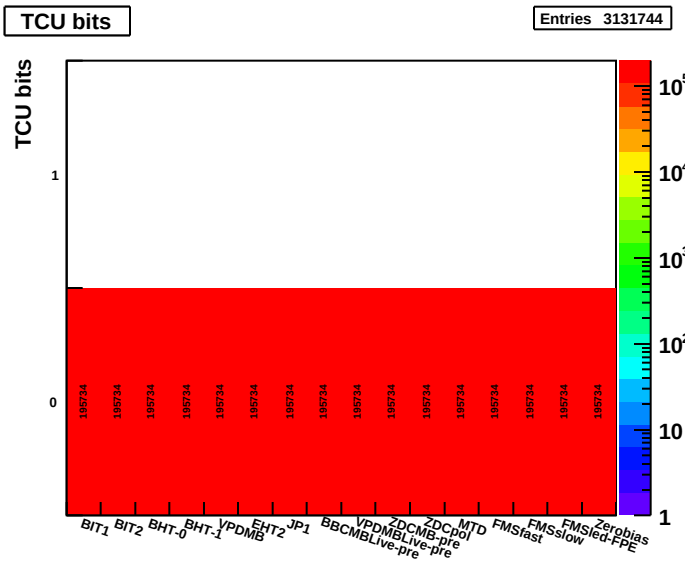

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

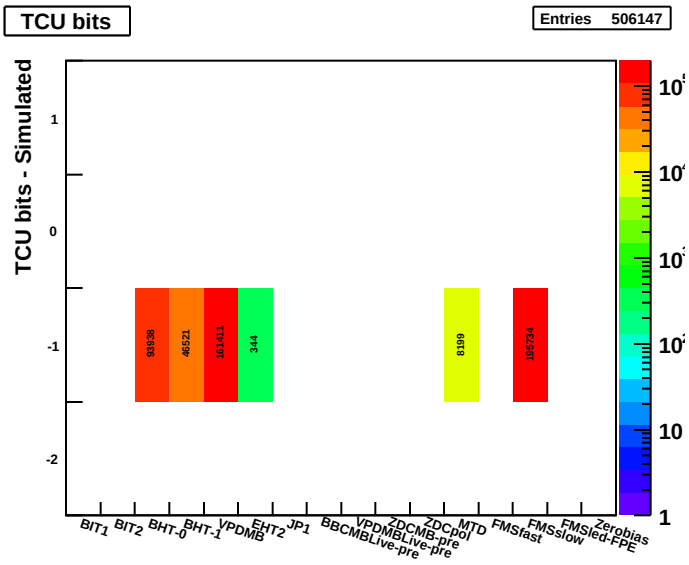

EMC L2 Input - HT23 bits
Entries 1565872
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

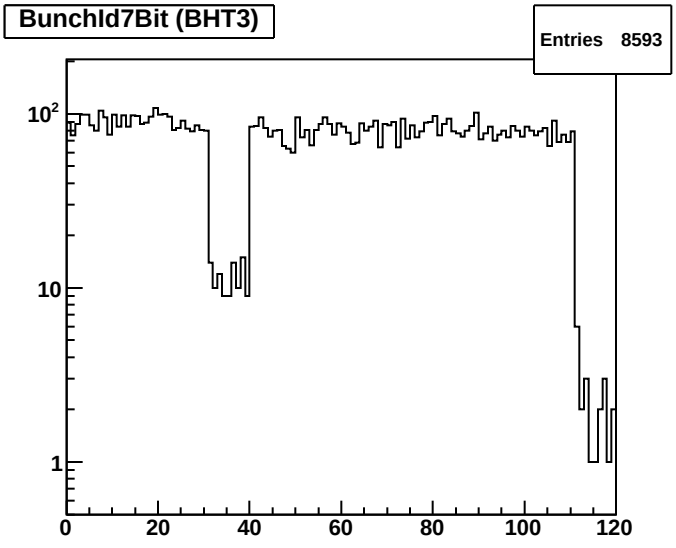

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

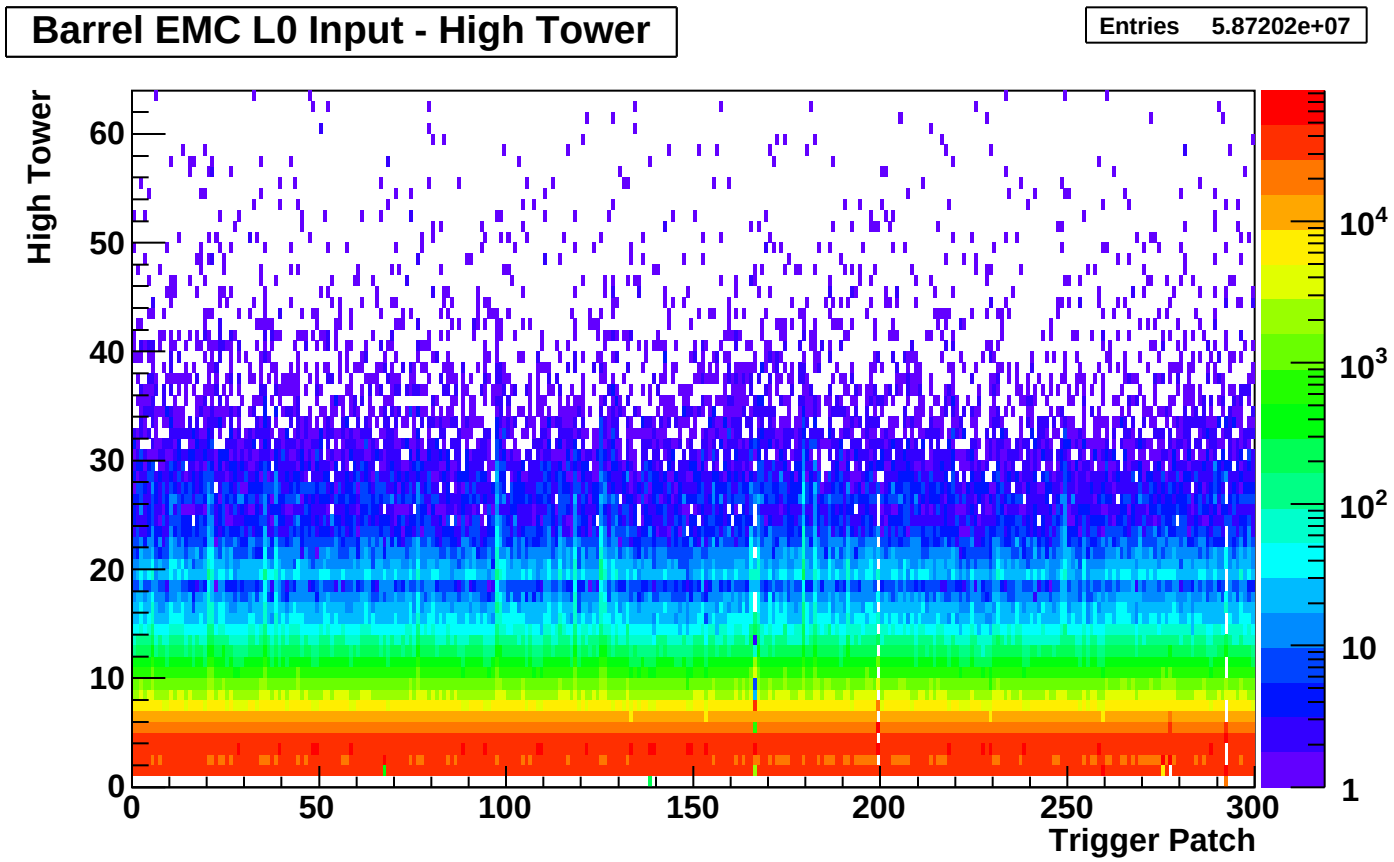

Last DSM Ch3 Input
Entries 2936010
LD301 Ch3
1
0
106440
46521
34019
8593
344
6
161203
157252
160646
156671
157718
153979
158729
158166
157464
89284
148213
161715
187141
195390
195728
34531
38482
35088
39063
38016
41755
37005
37568
38270
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

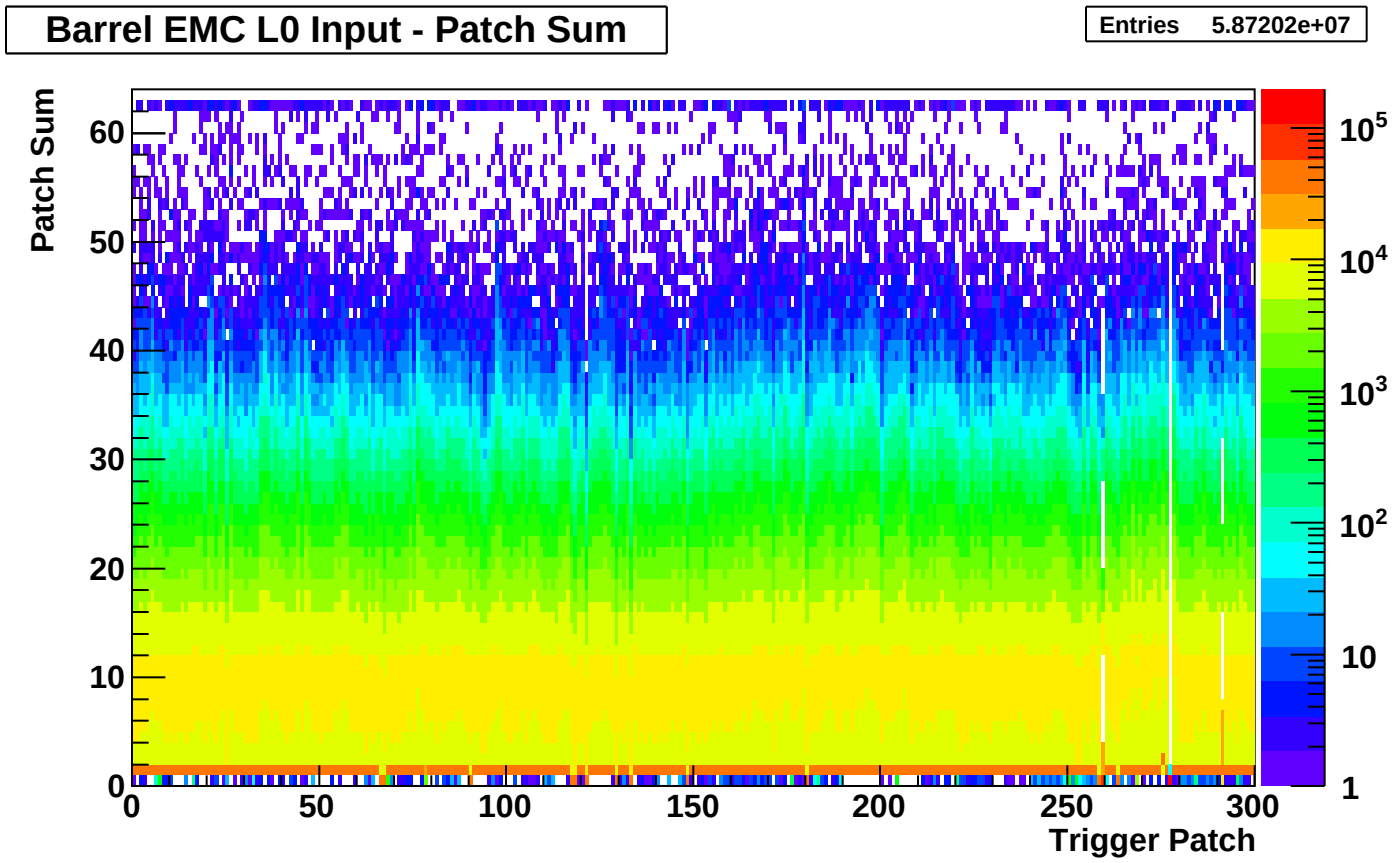

Last DSM Ch3 Input
Entries 73013
LD301 Ch3 - Simulated
1
0
-1
-2
34531
38482
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

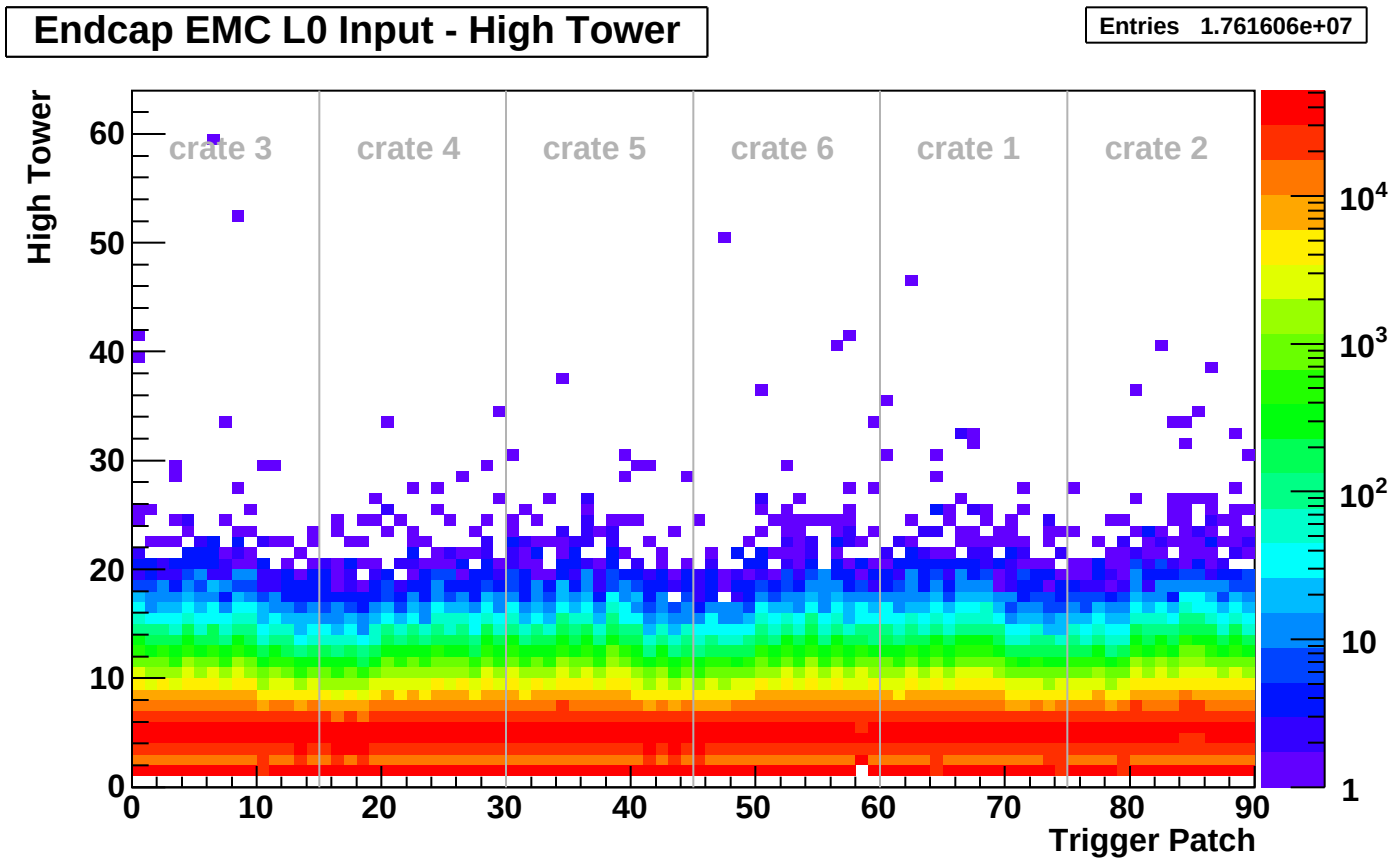

TCU bits
Entries 3131744
TCU bits
1
0
195734
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

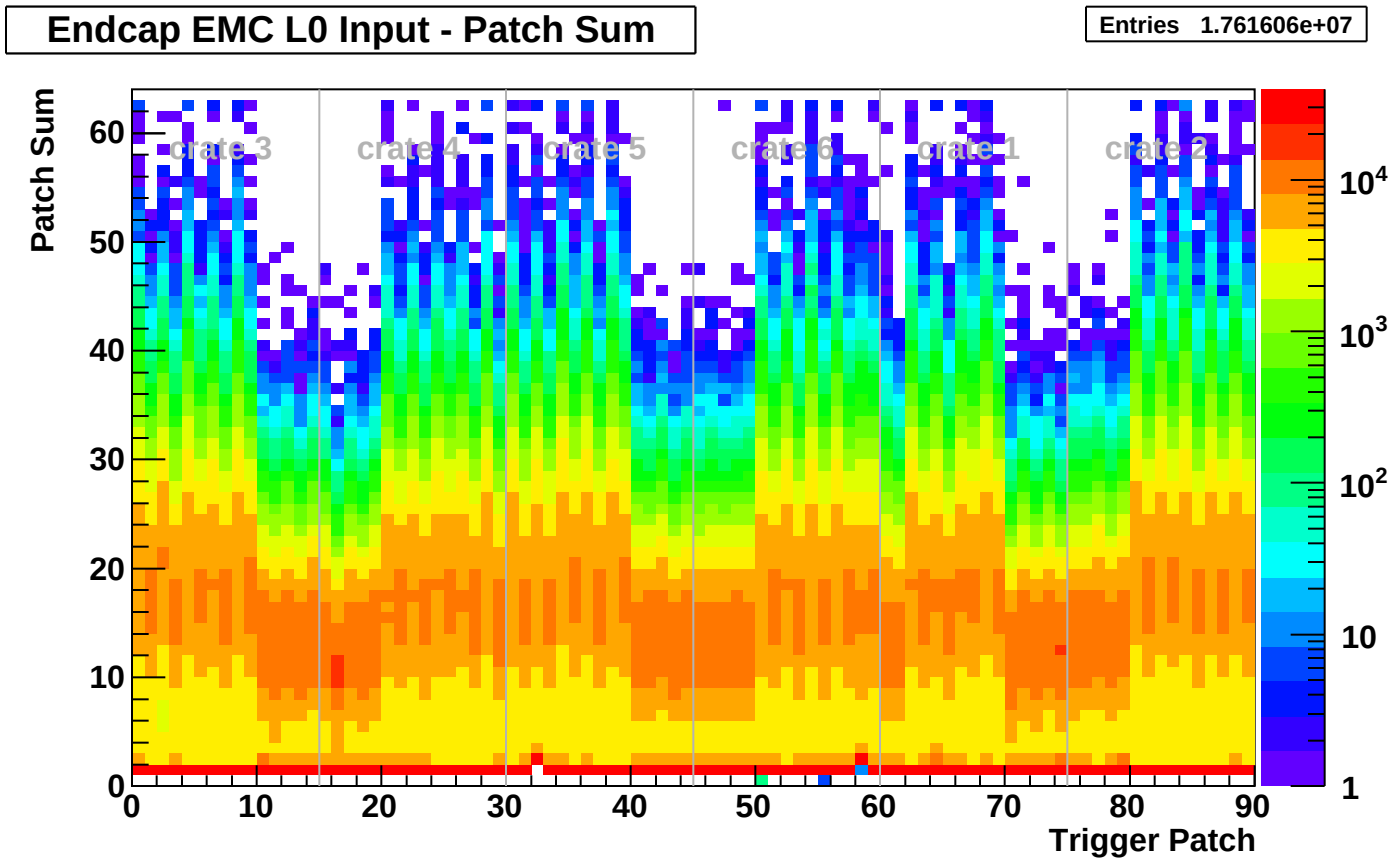

TCU bits
Entries 506147
TCU bits - Simulated
1
0
-1
-2
93938
46521
161411
344
8199
195734
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

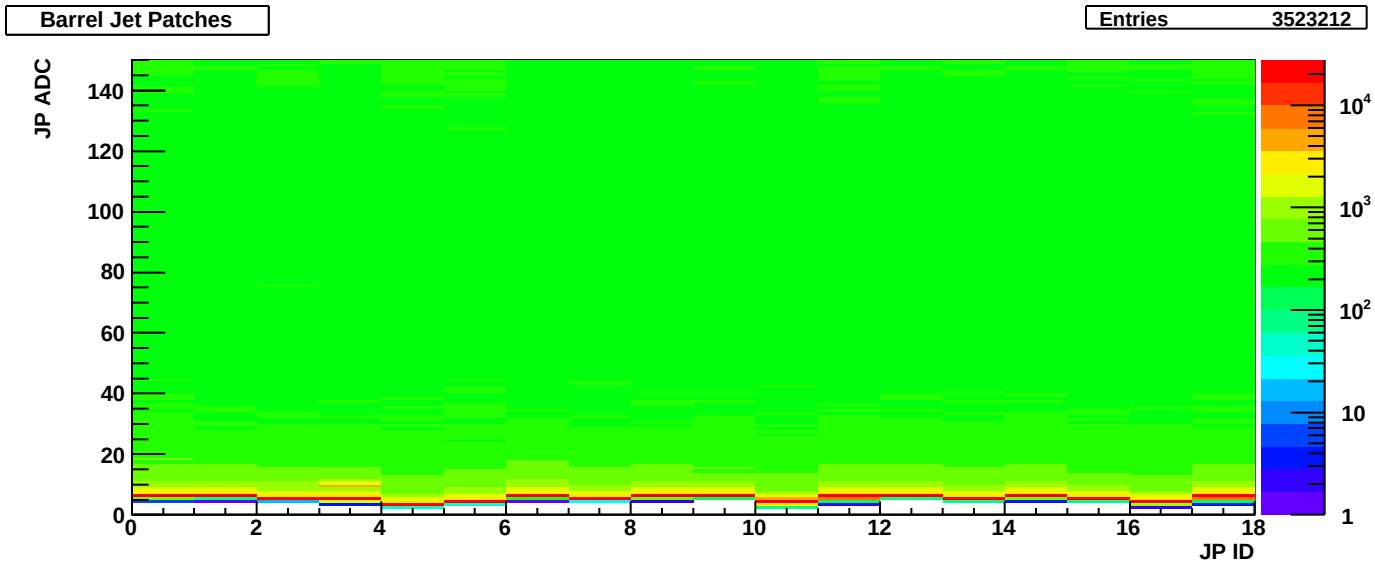

BunchId7Bit (BHT3)
Entries 8593
10²
10
1
0
20
40
60
80
100
120

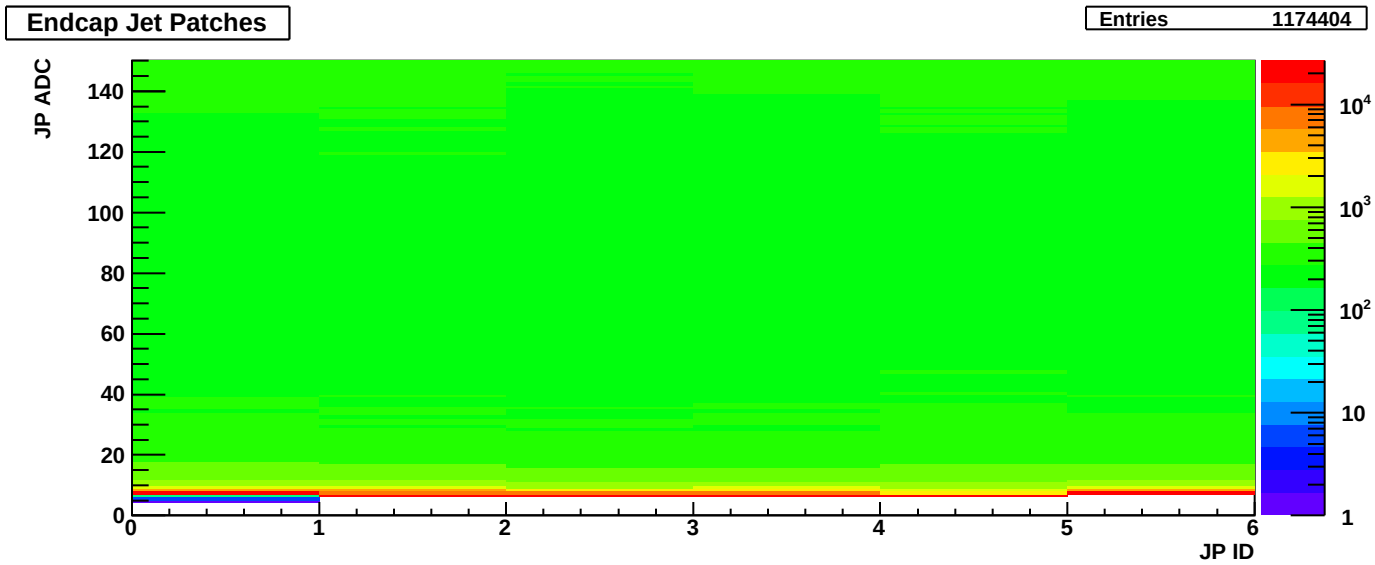

Barrel EMC L0 Input - High Tower
Entries 5.87202e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

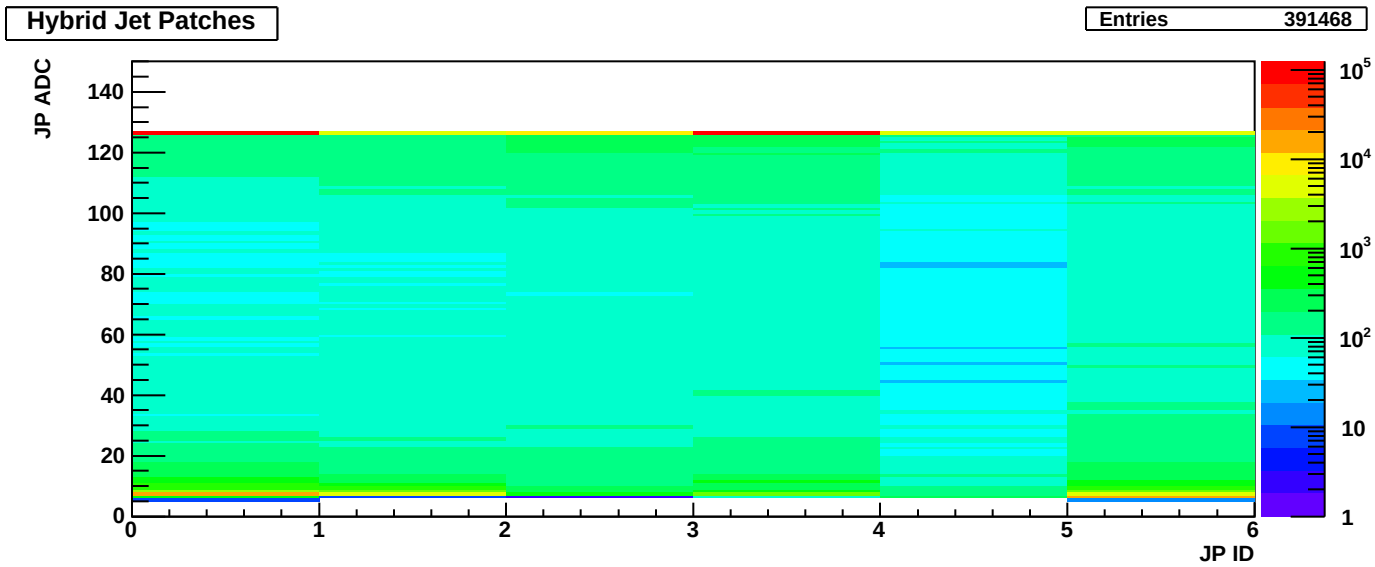

Barrel EMC L0 Input - Patch Sum
Entries 5.87202e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

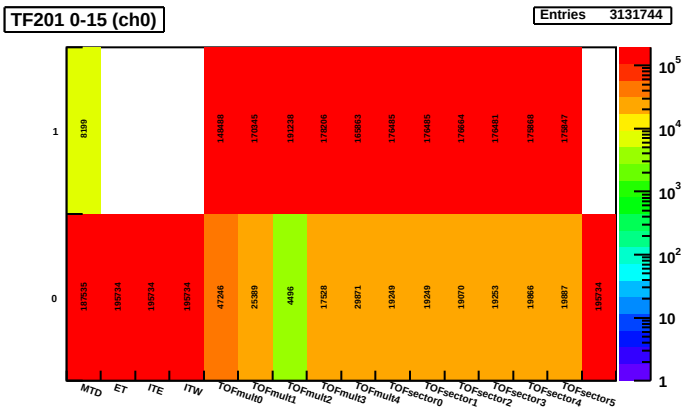

Endcap EMC L0 Input - High Tower
Entries 1.761606e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

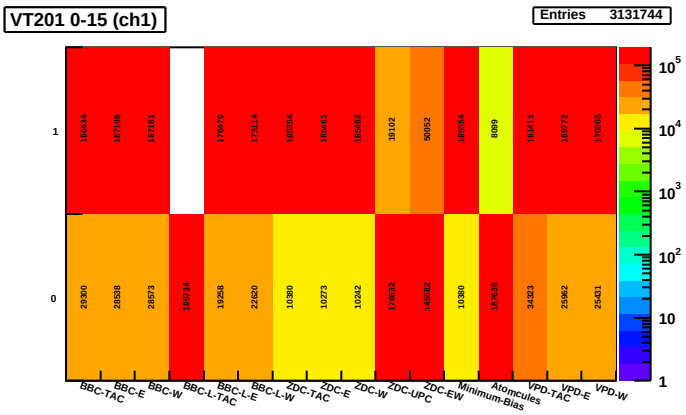

Endcap EMC L0 Input - Patch Sum
Entries 1.761606e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

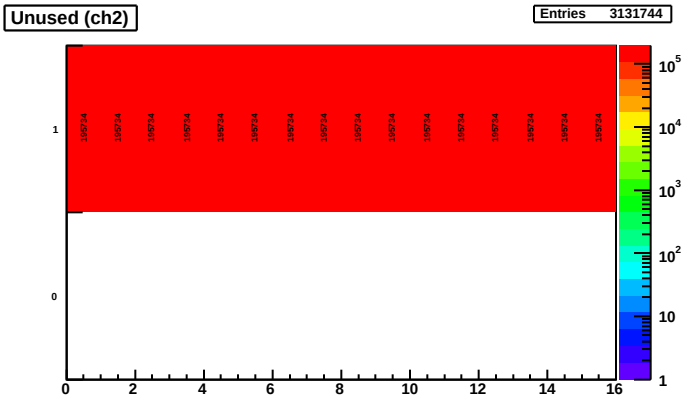

Barrel Jet Patches
Entries 3523212
JP ADC
JP ID

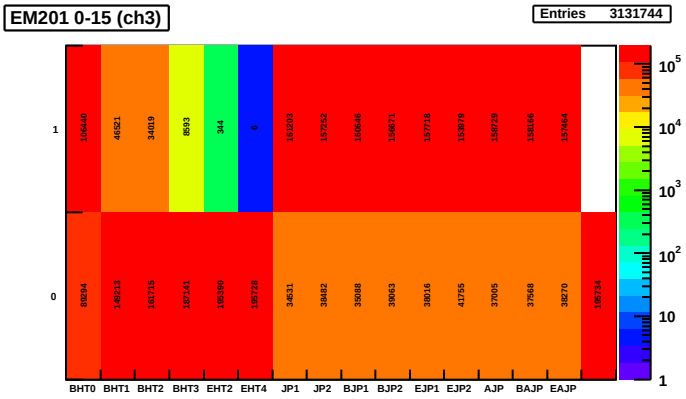

Endcap Jet Patches
Entries 1174404
JP ADC
JP ID

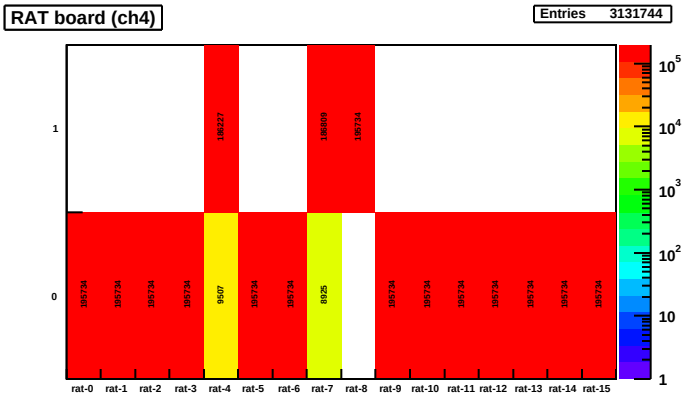

Hybrid Jet Patches
Entries 391468
JP ADC
JP ID

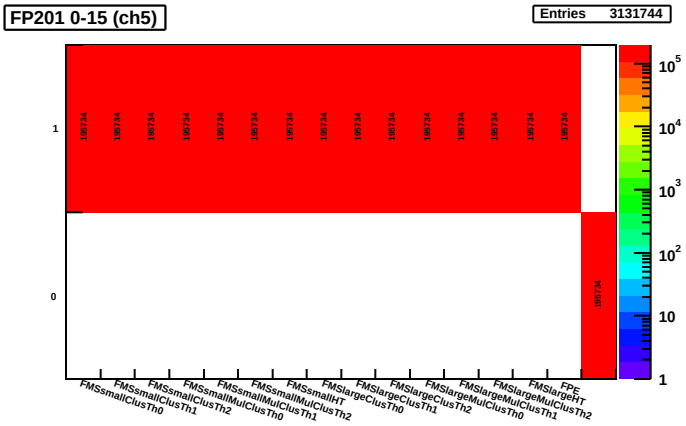

TF201 0-15 (ch0)
Entries 3131744
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

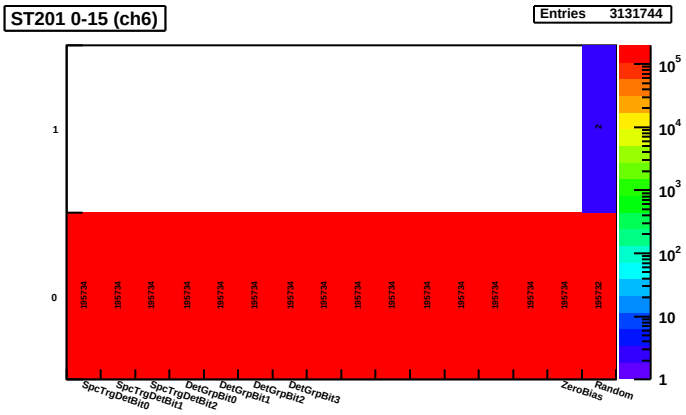

VT201 0-15 (ch1)
Entries 3131744
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

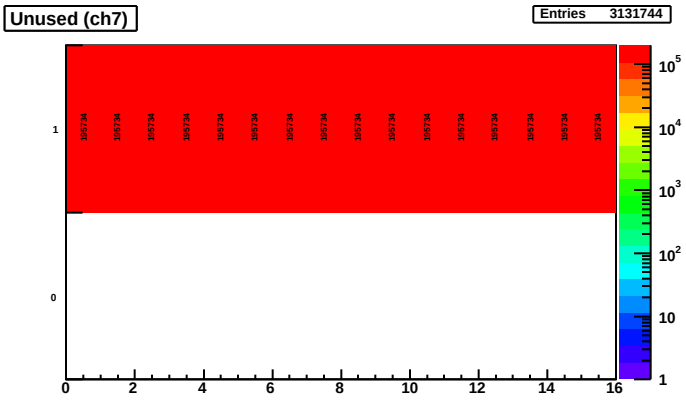

Unused (ch2)
Entries 3131744

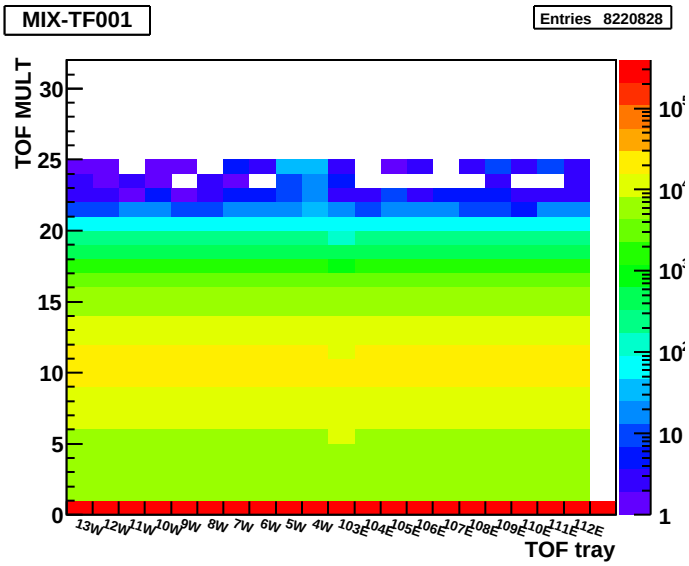

EM201 0-15 (ch3)
Entries 3131744
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

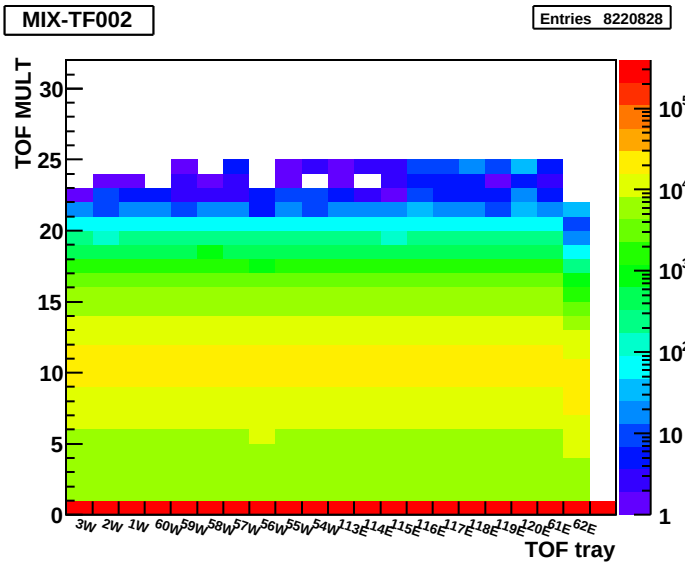

RAT board (ch4)
Entries 3131744
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

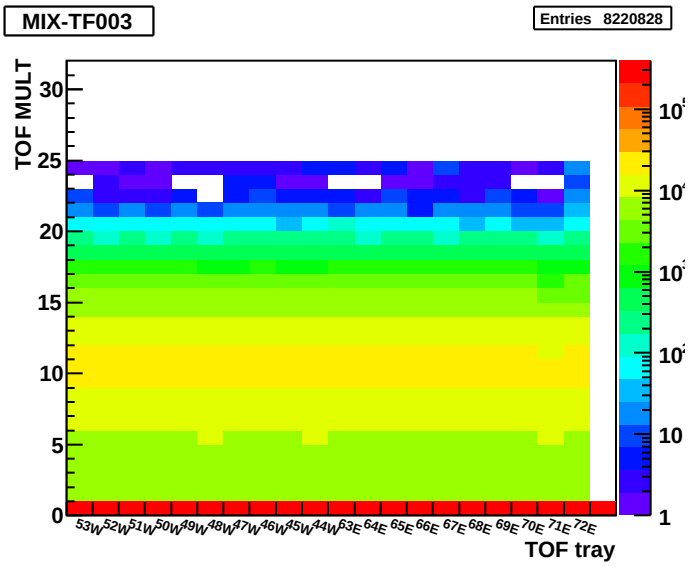

FP201 0-15 (ch5)
Entries 3131744
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

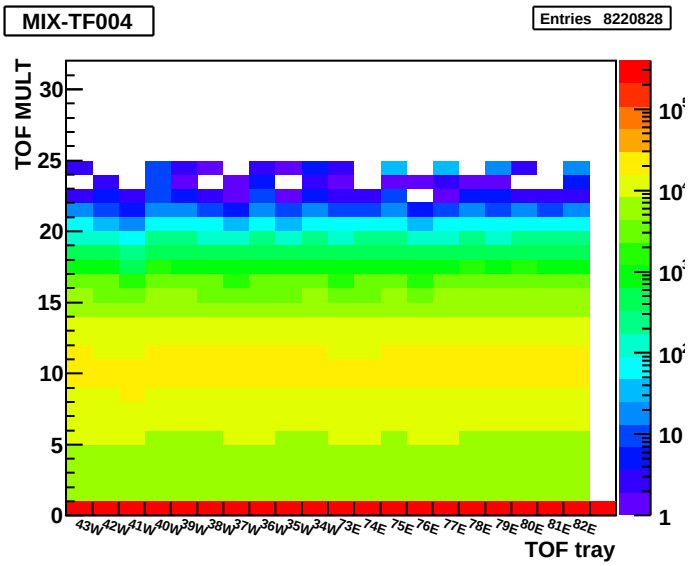

ST201 0-15 (ch6)
Entries 3131744
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetGrpBit0 DetGrpBit1 DetGrpBit2 DetGrpBit3 ZeroBias Random

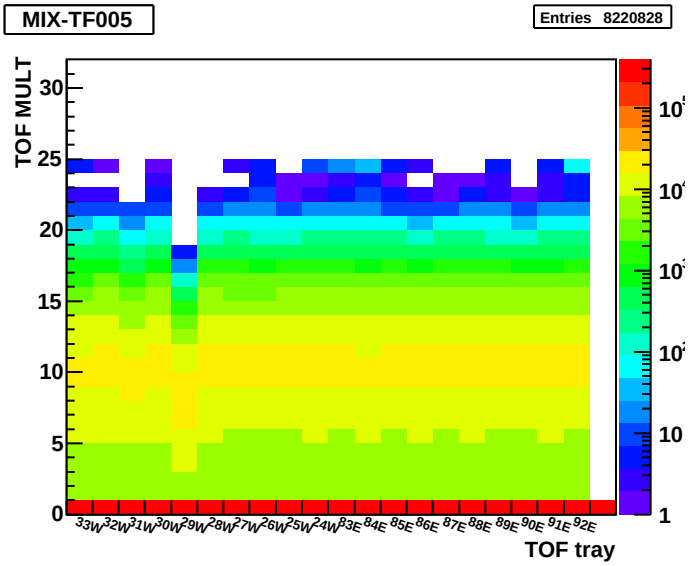

Unused (ch7)
Entries 3131744

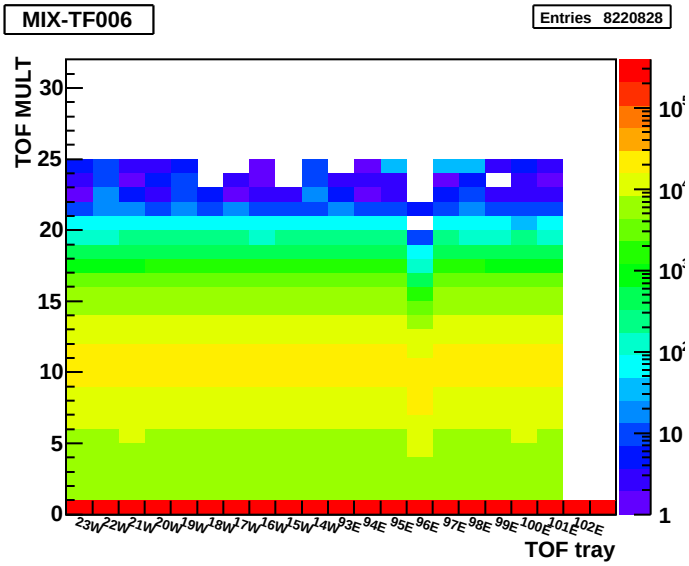

MIX-TF001
Entries 8220828
TOF MULT
TOF tray

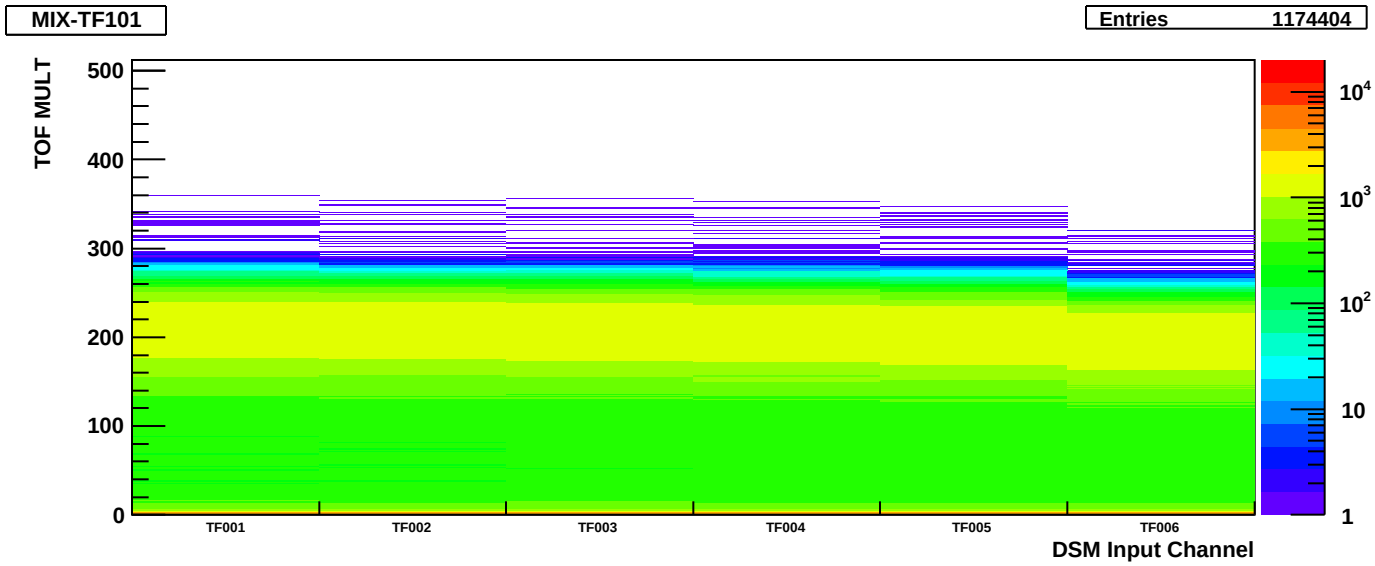

MIX-TF002
Entries 8220828
TOF MULT
TOF tray

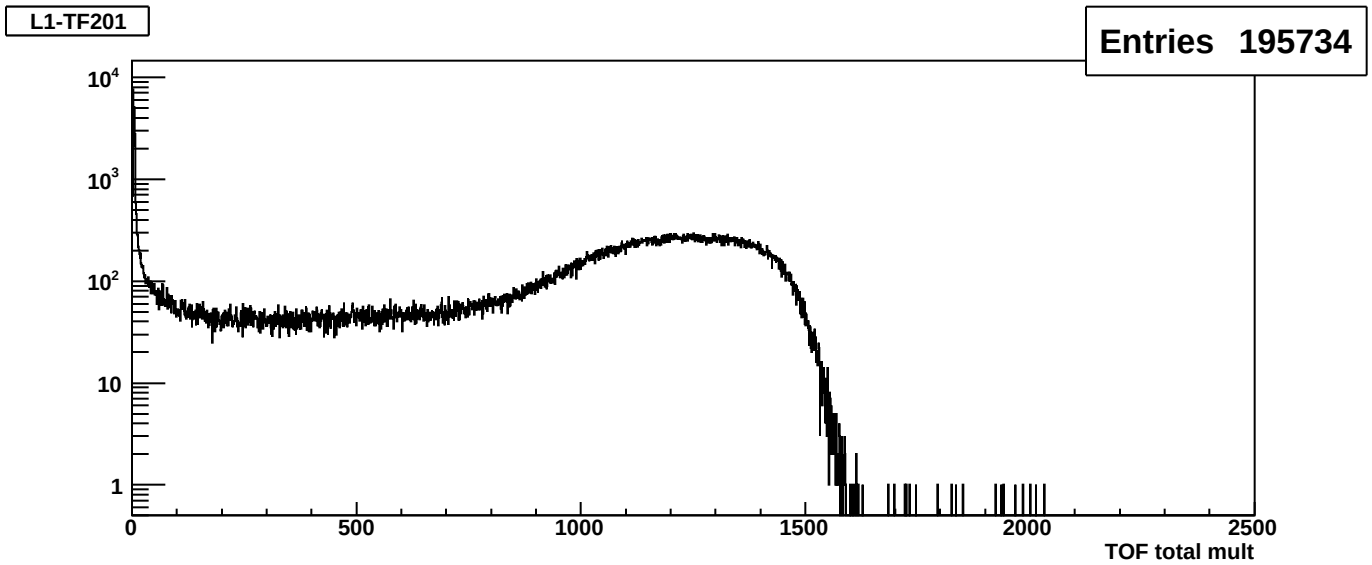

MIX-TF003
Entries 8220828
TOF MULT
TOF tray

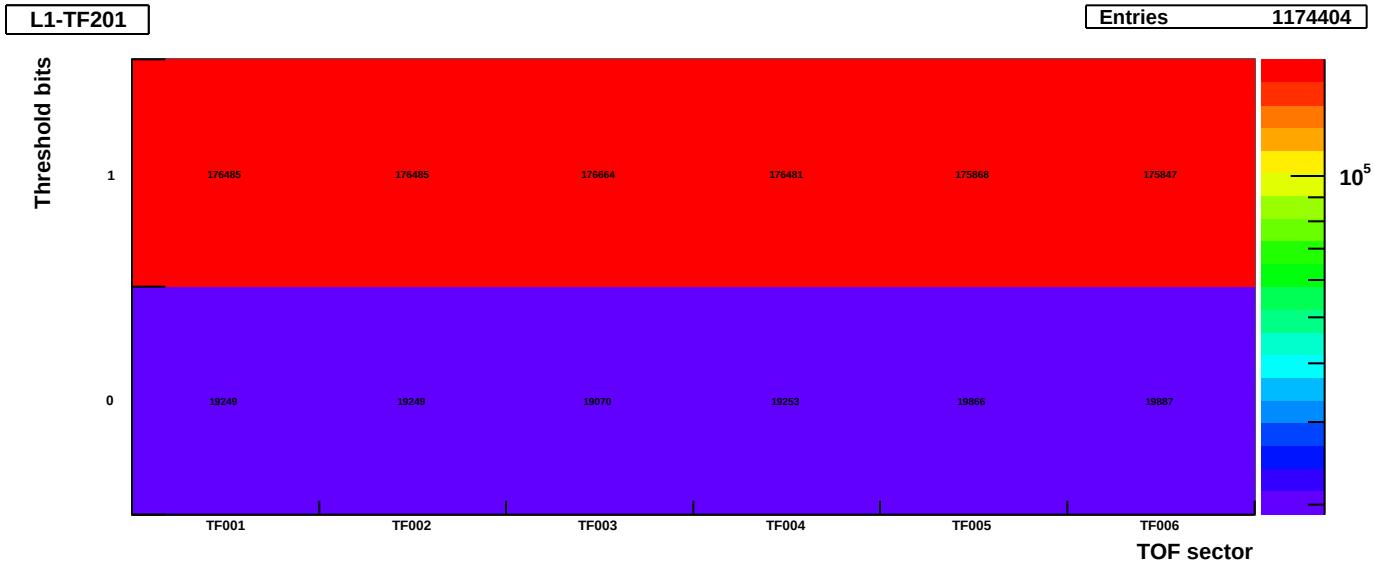

MIX-TF004
Entries 8220828
TOF MULT
TOF tray

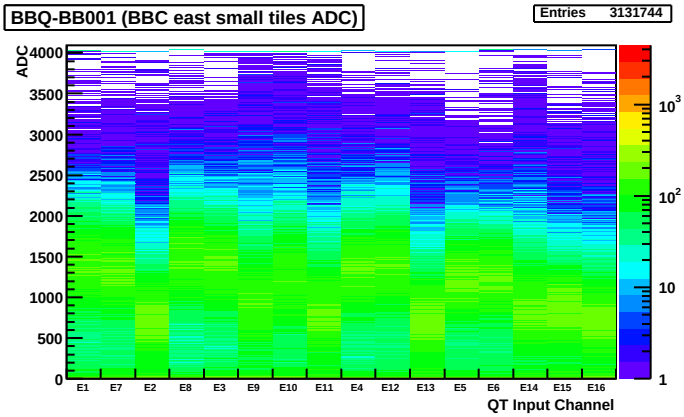

MIX-TF005
Entries 8220828
TOF MULT
TOF tray

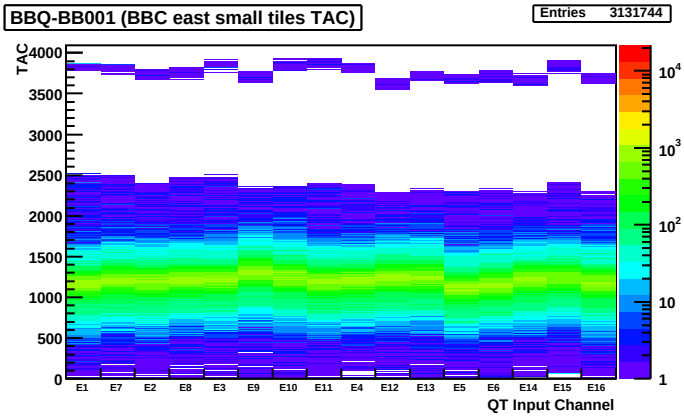

MIX-TF006
Entries 8220828
TOF MULT
TOF tray

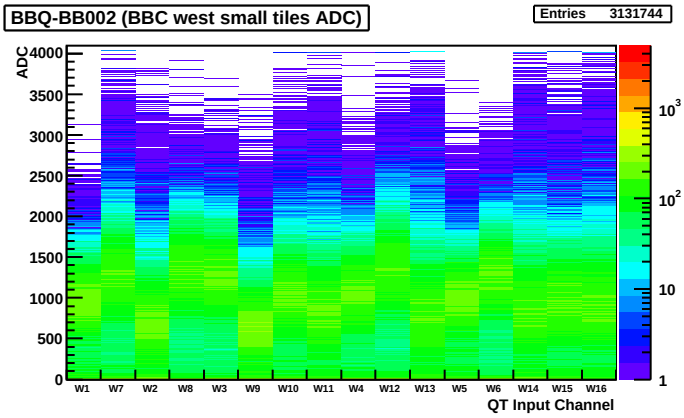

MIX-TF101
Entries 1174404
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

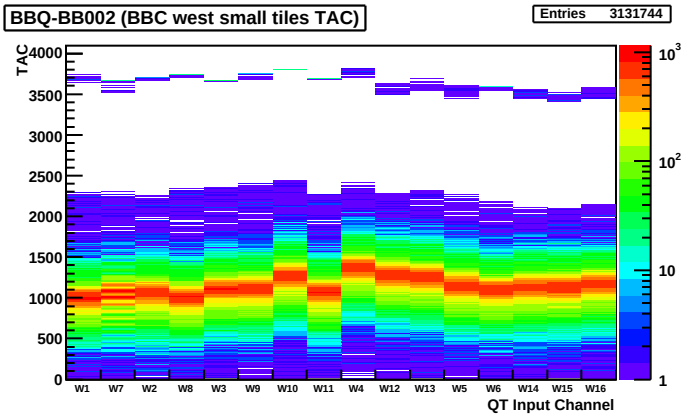

L1-TF201
Entries 195734
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

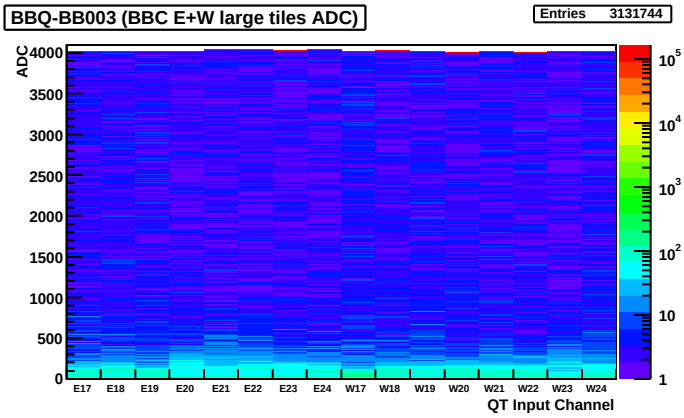

L1-TF201
Entries 1174404
Threshold bits
1
0
176485
176485
176664
176481
175868
175847
19249
19249
19070
19253
19866
19887
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

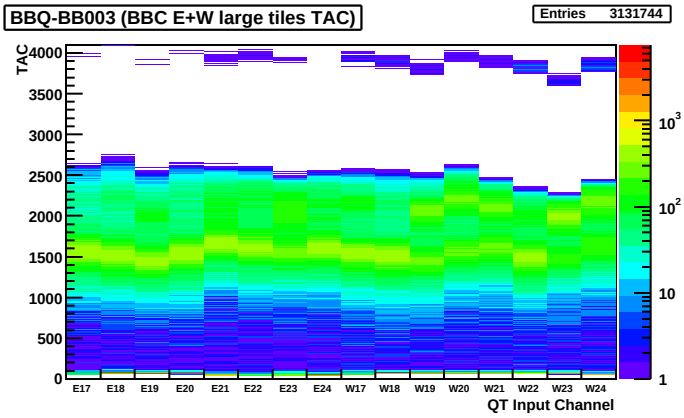

BBQ-BB001 (BBC east small tiles ADC)
Entries 3131744
ADC
QT Input Channel

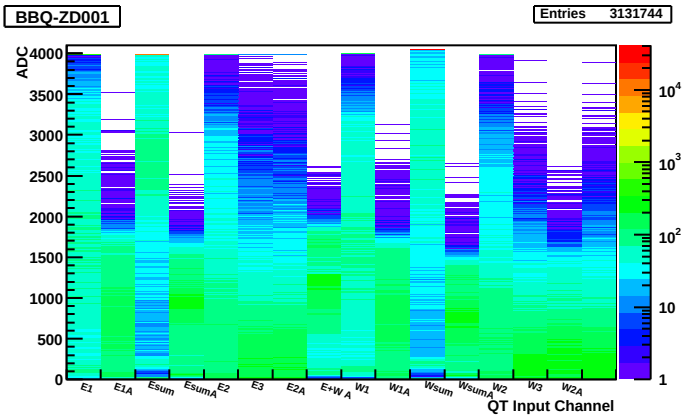

BBQ-BB001 (BBC east small tiles TAC)
Entries 3131744
TAC
QT Input Channel

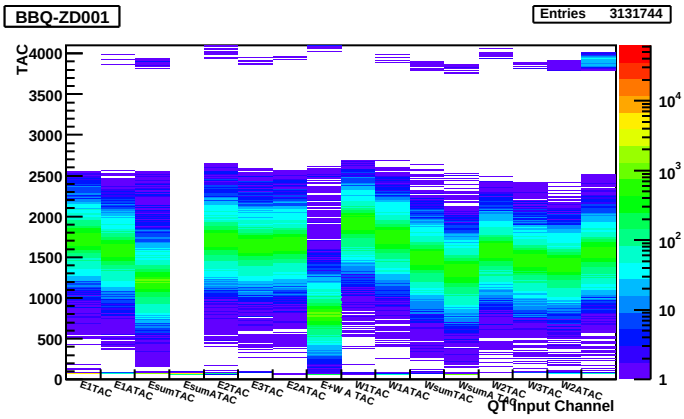

BBQ-BB002 (BBC west small tiles ADC)
Entries 3131744
ADC
QT Input Channel

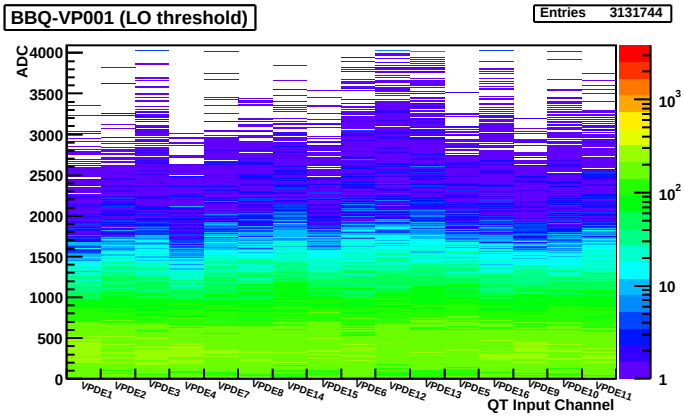

BBQ-BB002 (BBC west small tiles TAC)
Entries 3131744
TAC
QT Input Channel

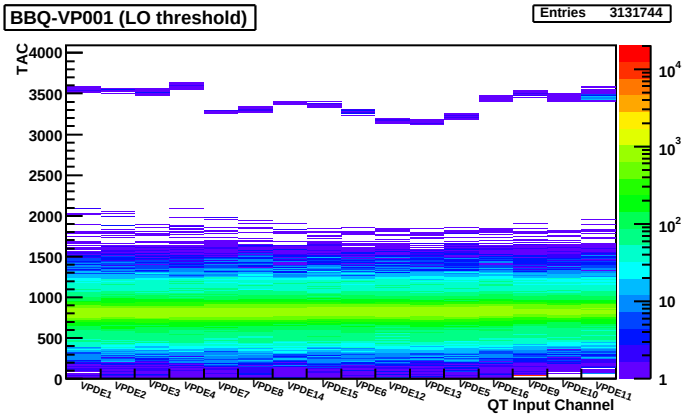

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3131744
ADC
QT Input Channel

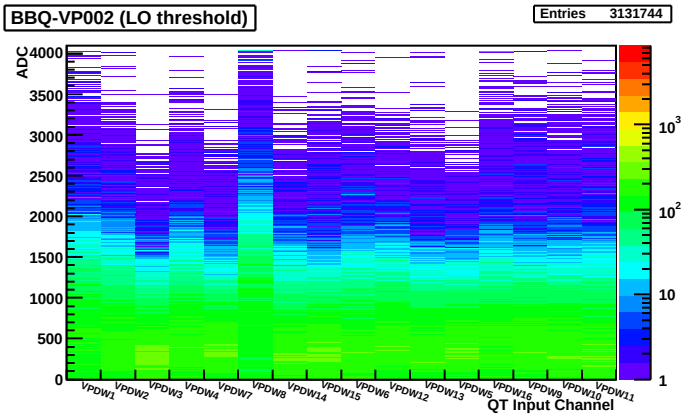

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3131744
TAC
QT Input Channel

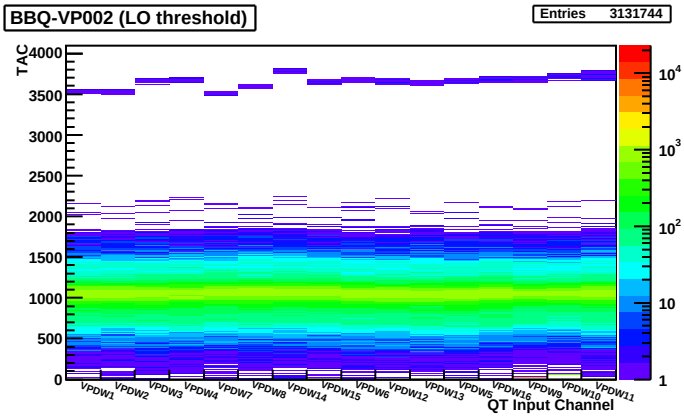

BBQ-ZD001
Entries 3131744
ADC
QT Input Channel

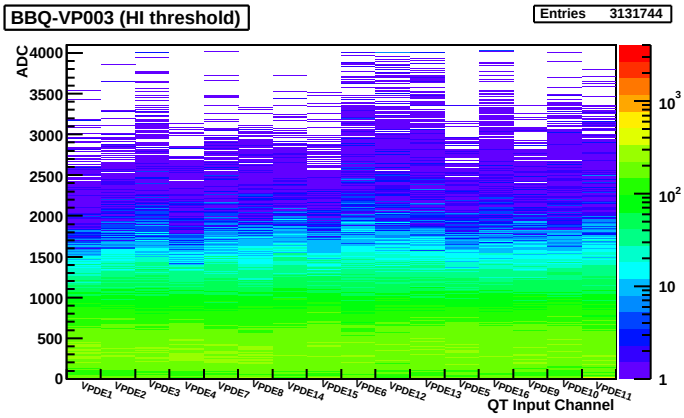

BBQ-ZD001
Entries 3131744
TAC
QT Input Channel

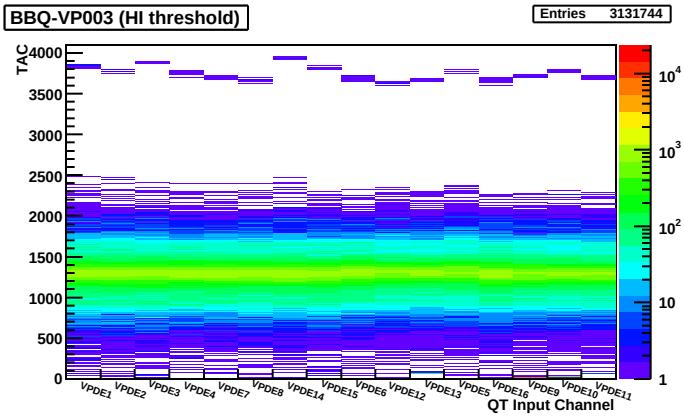

BBQ-VP001 (LO threshold)
Entries 3131744
ADC
QT Input Channel

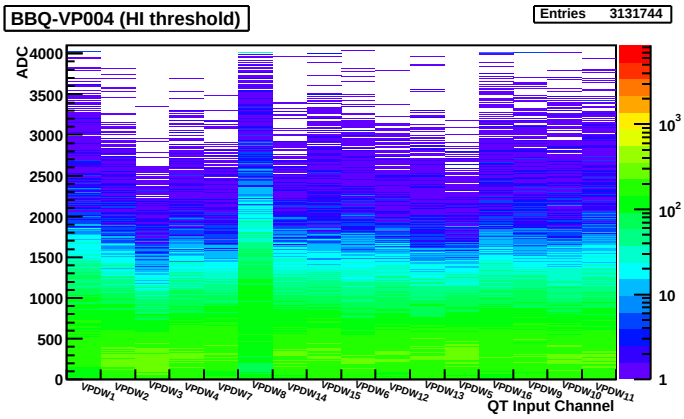

BBQ-VP001 (LO threshold)
Entries 3131744
TAC
QT Input Channel

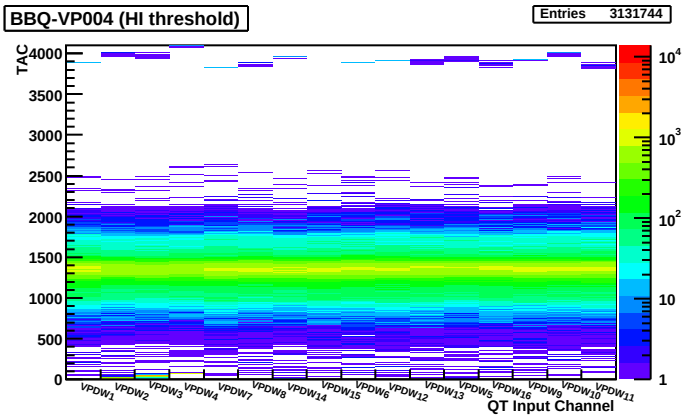

BBQ-VP002 (LO threshold)
Entries 3131744
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 3131744
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3131744
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3131744
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3131744
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3131744
TAC
QT Input Channel