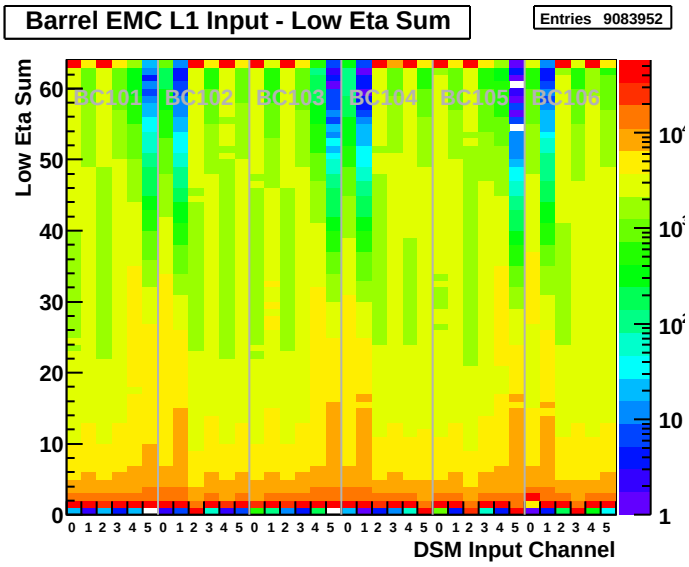
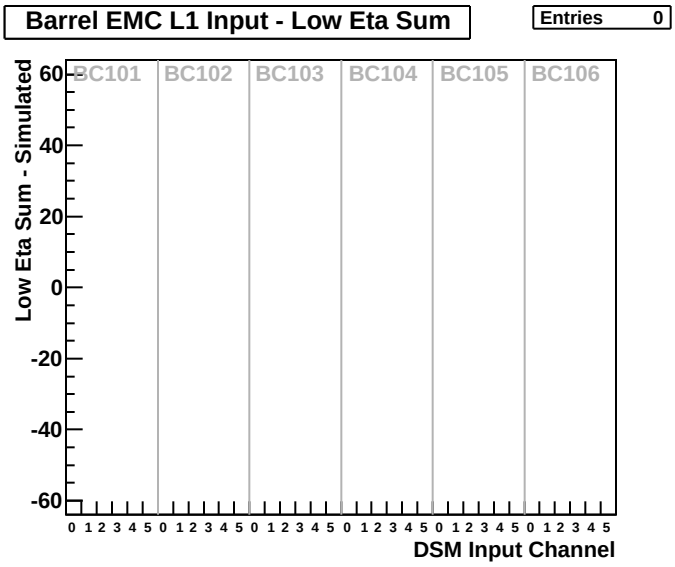
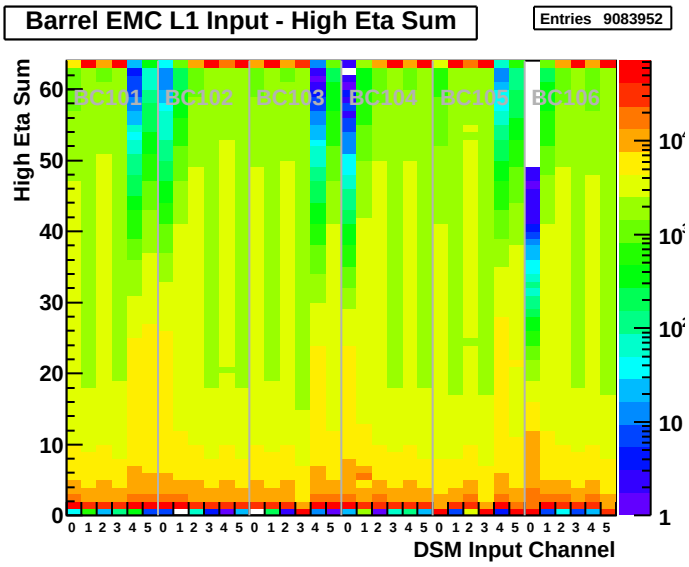
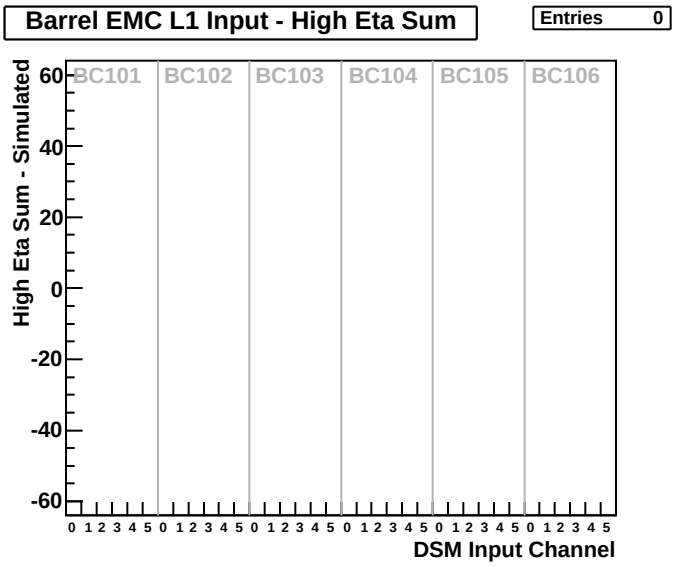
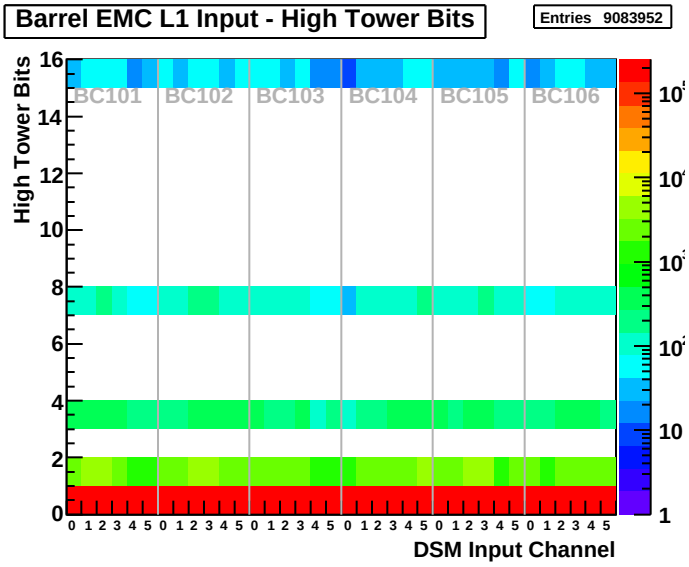
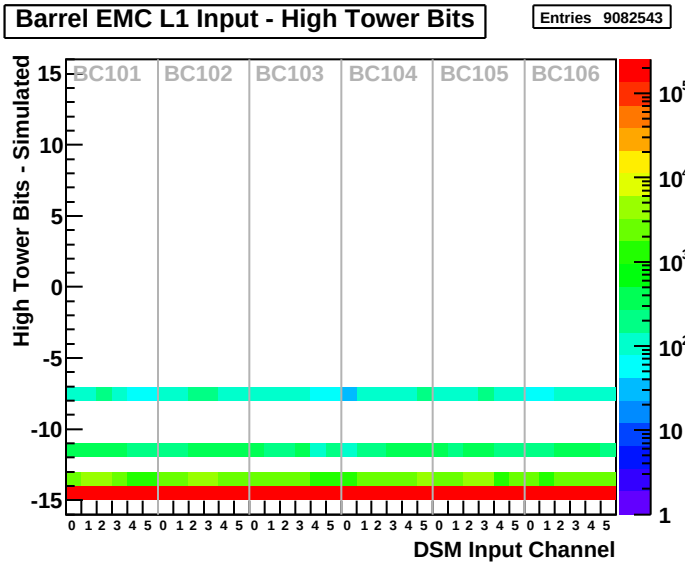

Barrel EMC L1 Input - Low Eta Sum
Entries 9083952
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

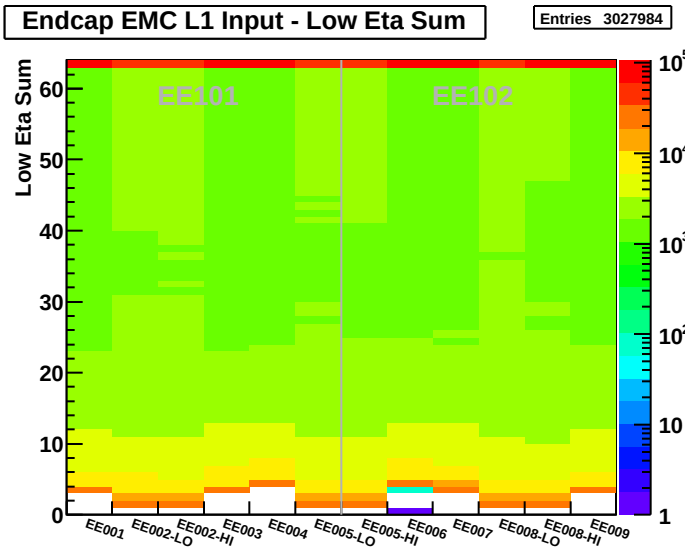

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

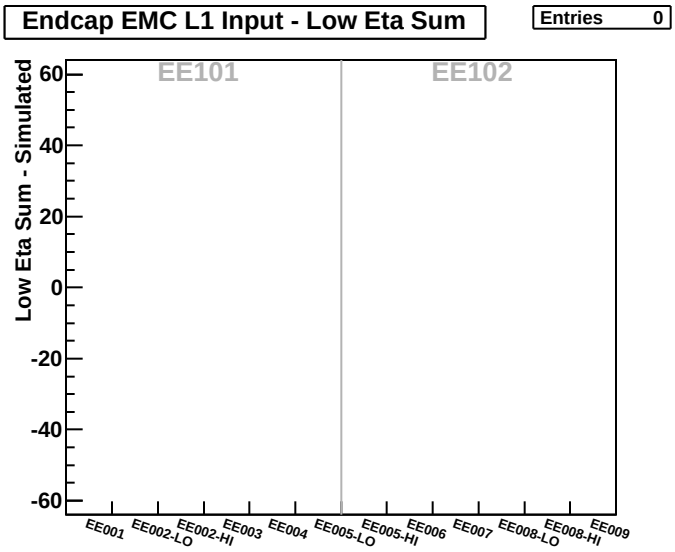

Barrel EMC L1 Input - High Eta Sum
Entries 9083952
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

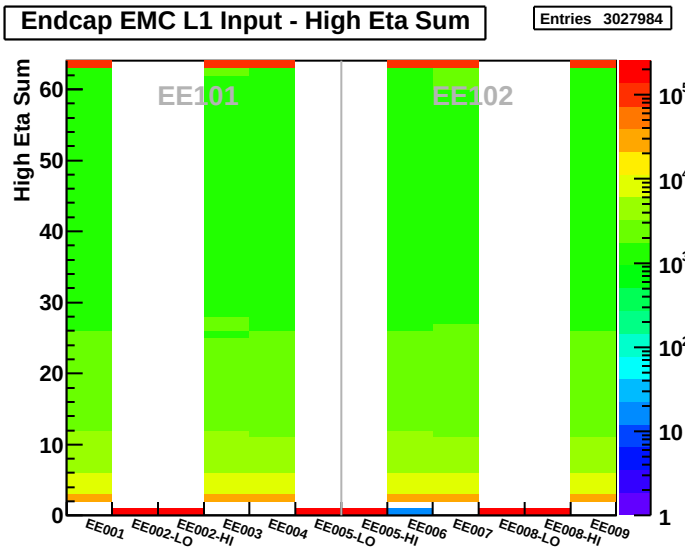

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

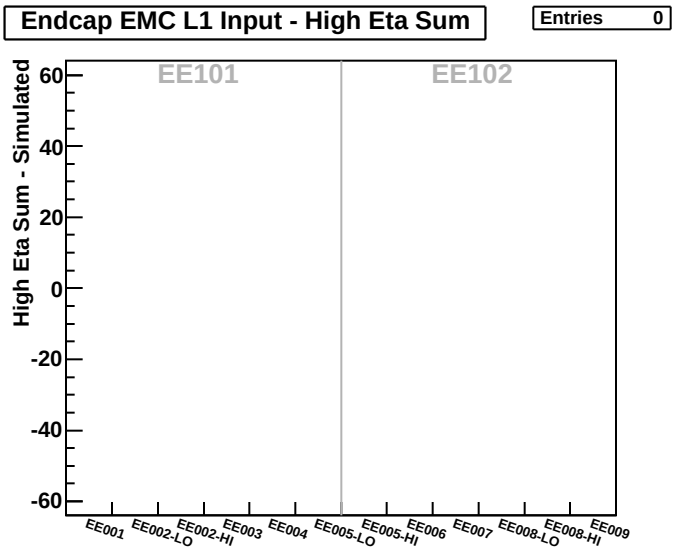

Barrel EMC L1 Input - High Tower Bits
Entries 9083952
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

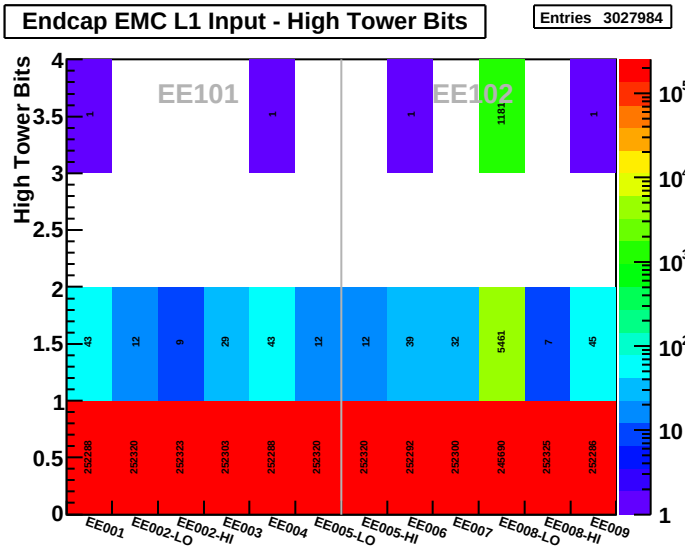

Barrel EMC L1 Input - High Tower Bits
Entries 9082543
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

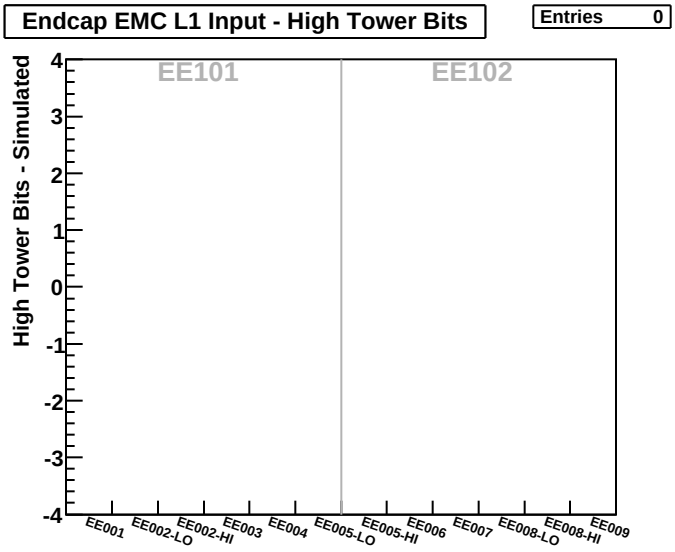

Endcap EMC L1 Input - Low Eta Sum
Entries 3027984
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

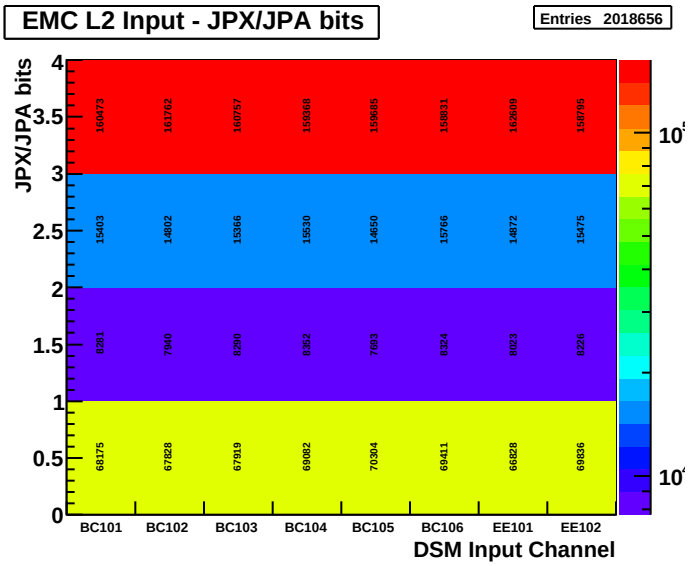

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

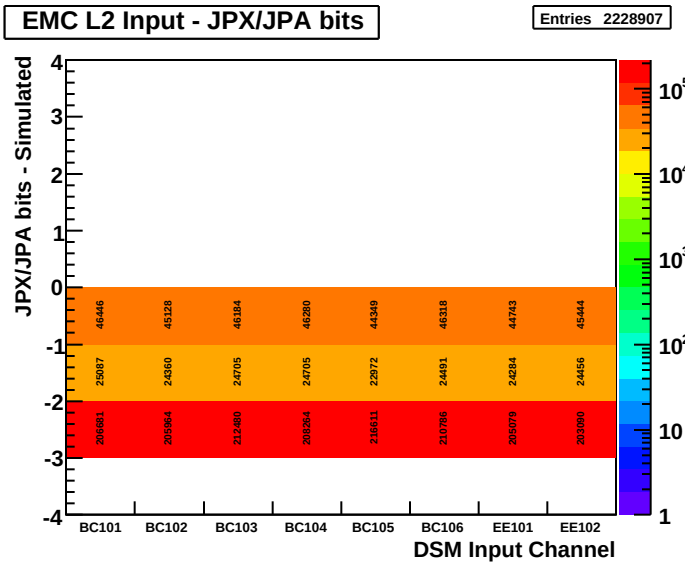

Endcap EMC L1 Input - High Eta Sum
Entries 3027984
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

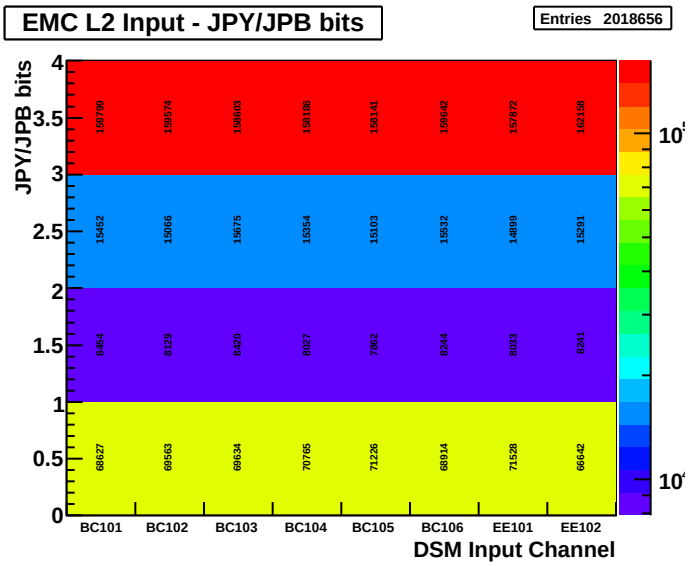

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

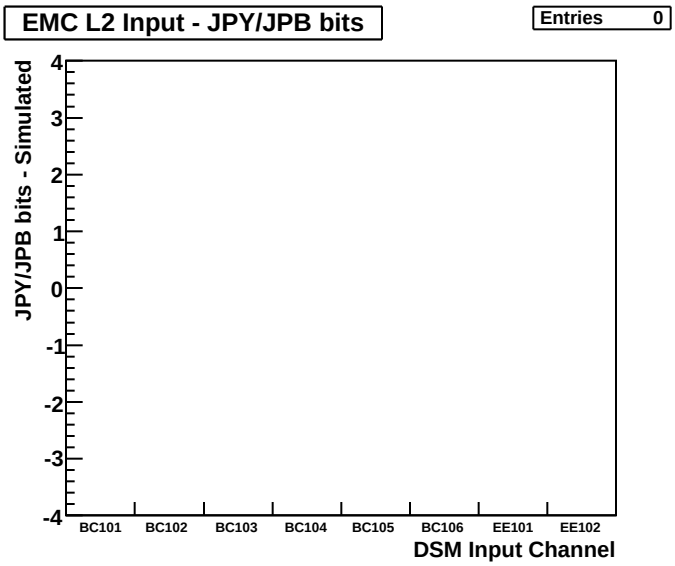

Endcap EMC L1 Input - High Tower Bits
Entries 3027984
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

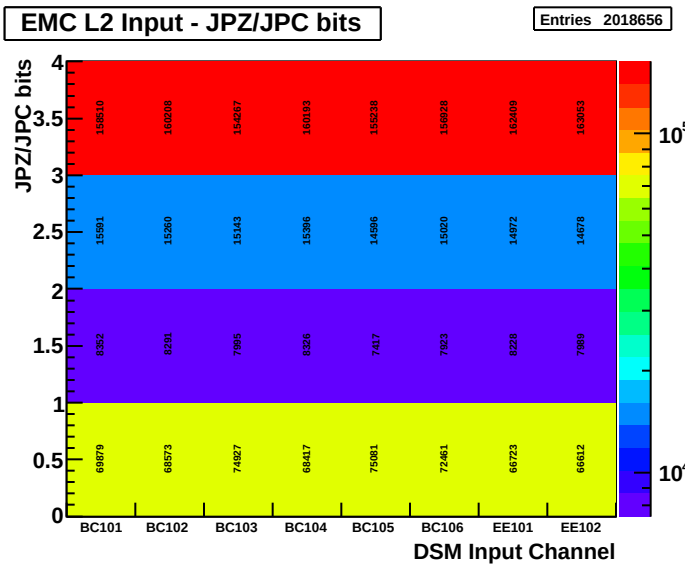

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

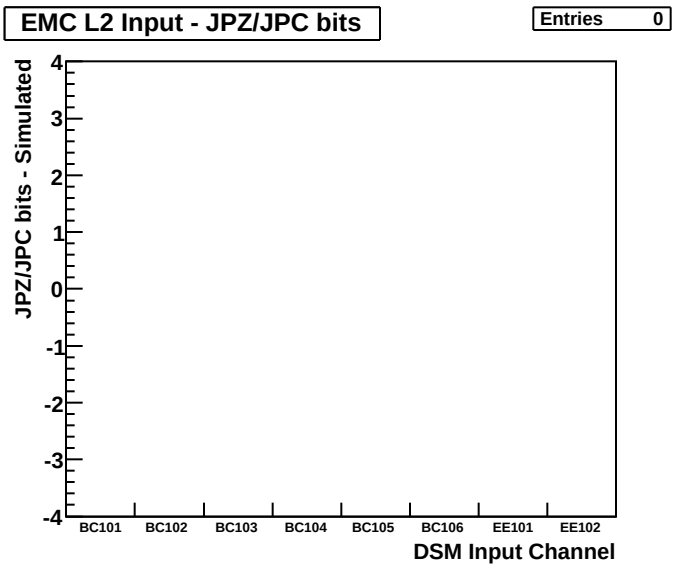

EMC L2 Input - JPX/JPA bits
Entries 2018656
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
160473 161762 160757 159368 159685 158831 162609 158795
15403 14802 15366 15530 14650 15766 14872 15475
8281 7940 8290 8352 7693 8324 8023 8226
68175 67828 67919 69082 70304 69411 66828 69836

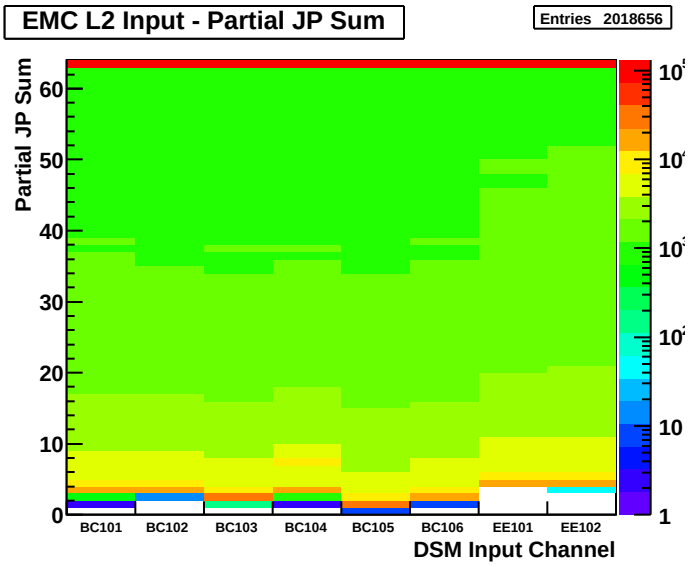

EMC L2 Input - JPX/JPA bits
Entries 2228907
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
45446 45128 46184 46280 44349 46318 44743 45444
25087 24360 24705 24705 22972 24491 24284 24456
206681 205964 212480 208264 216611 210786 205079 203090

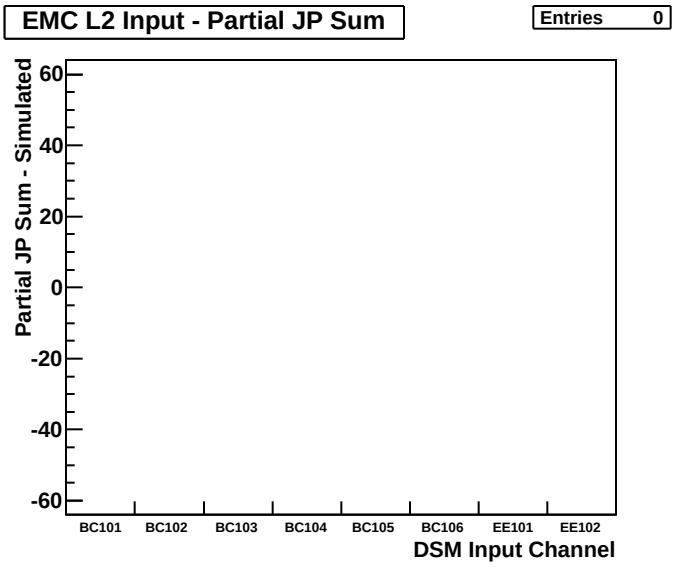

EMC L2 Input - JPY/JPB bits
Entries 2018656
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
159799 159574 159603 159186 159141 159642 157872 162158
15452 15066 15675 15354 15103 15532 14899 15291
8454 8129 8420 8027 7852 8244 8033 8241
68627 69563 69634 70785 71226 68914 71528 66642

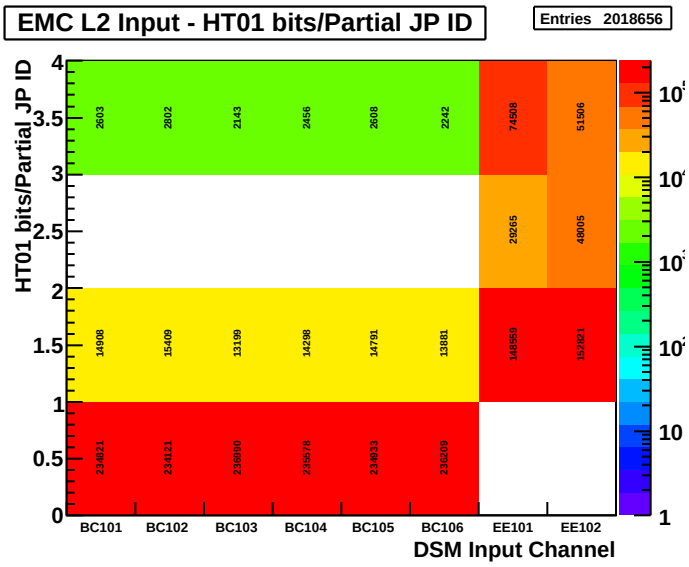

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

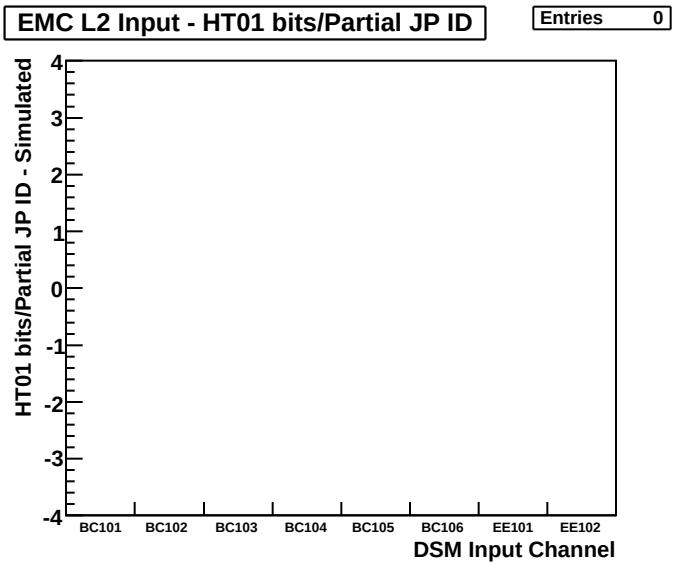

EMC L2 Input - JPZ/JPC bits
Entries 2018656
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
158510 162208 154267 160193 155238 158928 162409 163053
15591 15260 15143 15396 14596 15020 14972 14678
8352 8231 7905 8326 7417 7923 8228 7989
69879 68573 74927 68417 75081 72461 66723 66612

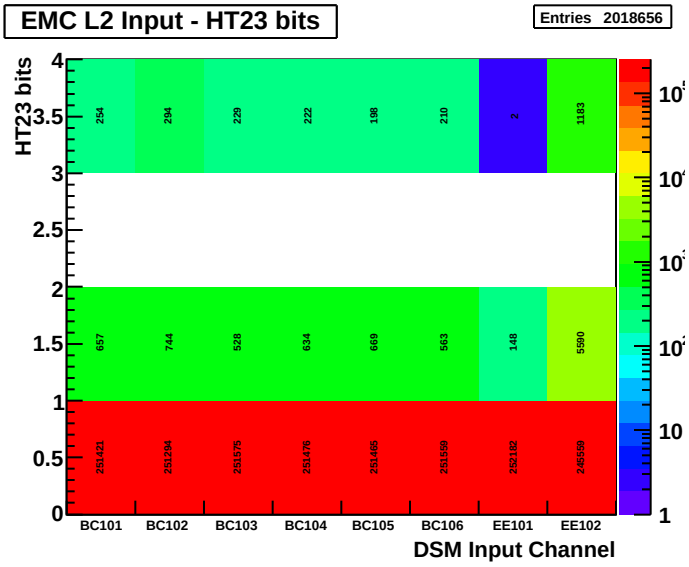

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

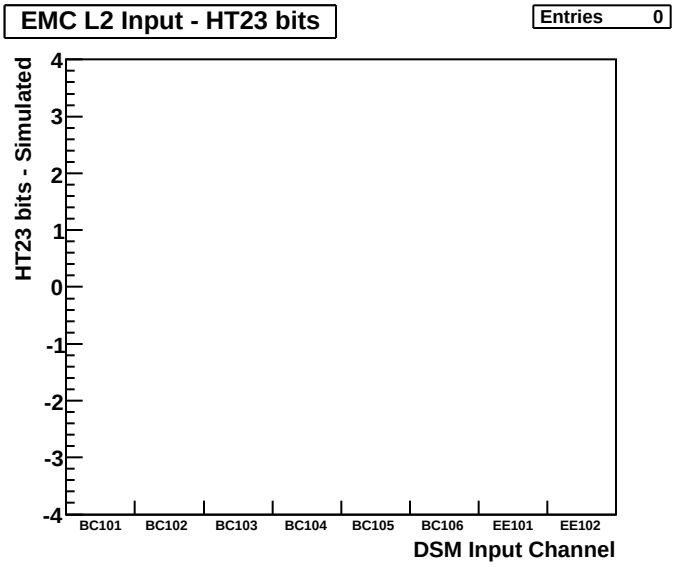

EMC L2 Input - Partial JP Sum
Entries 2018656
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

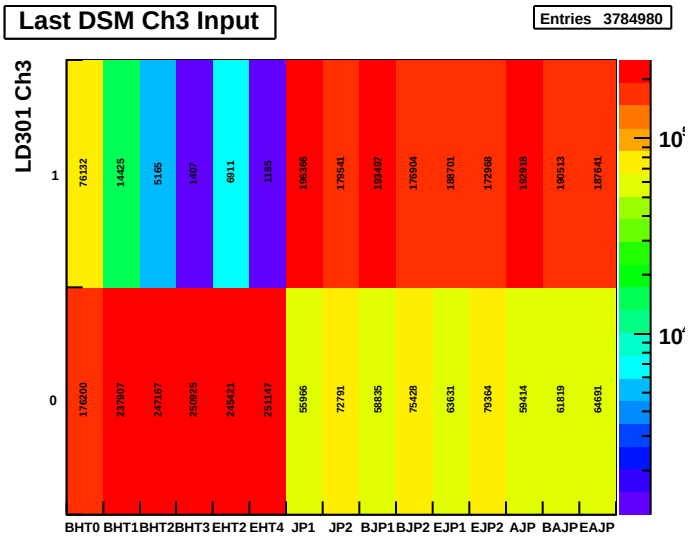

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

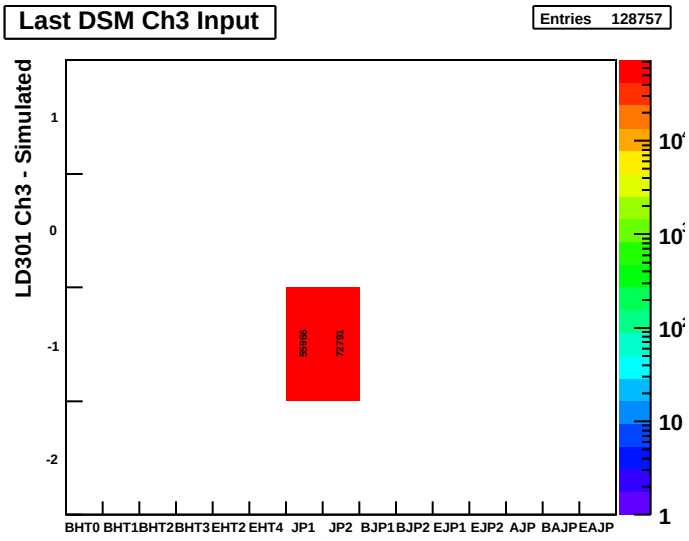

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2018656
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

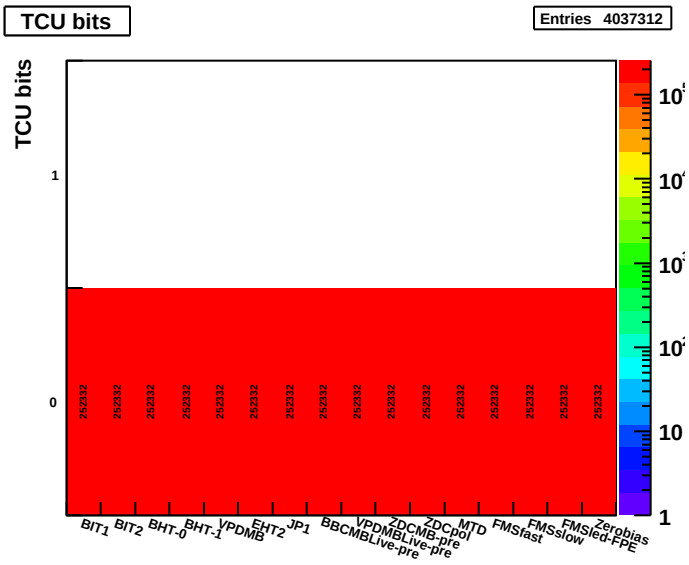

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

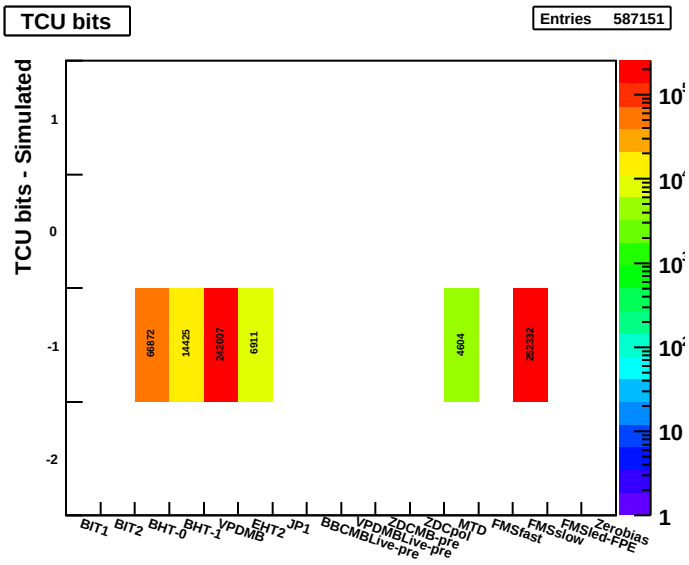

EMC L2 Input - HT23 bits
Entries 2018656
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

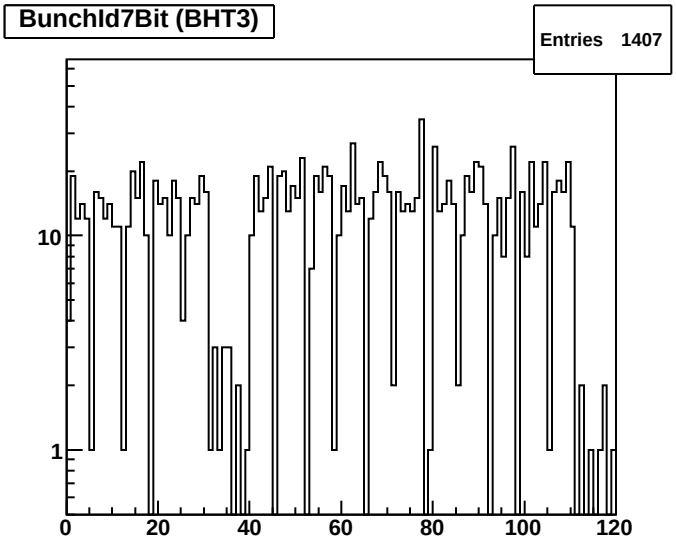

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

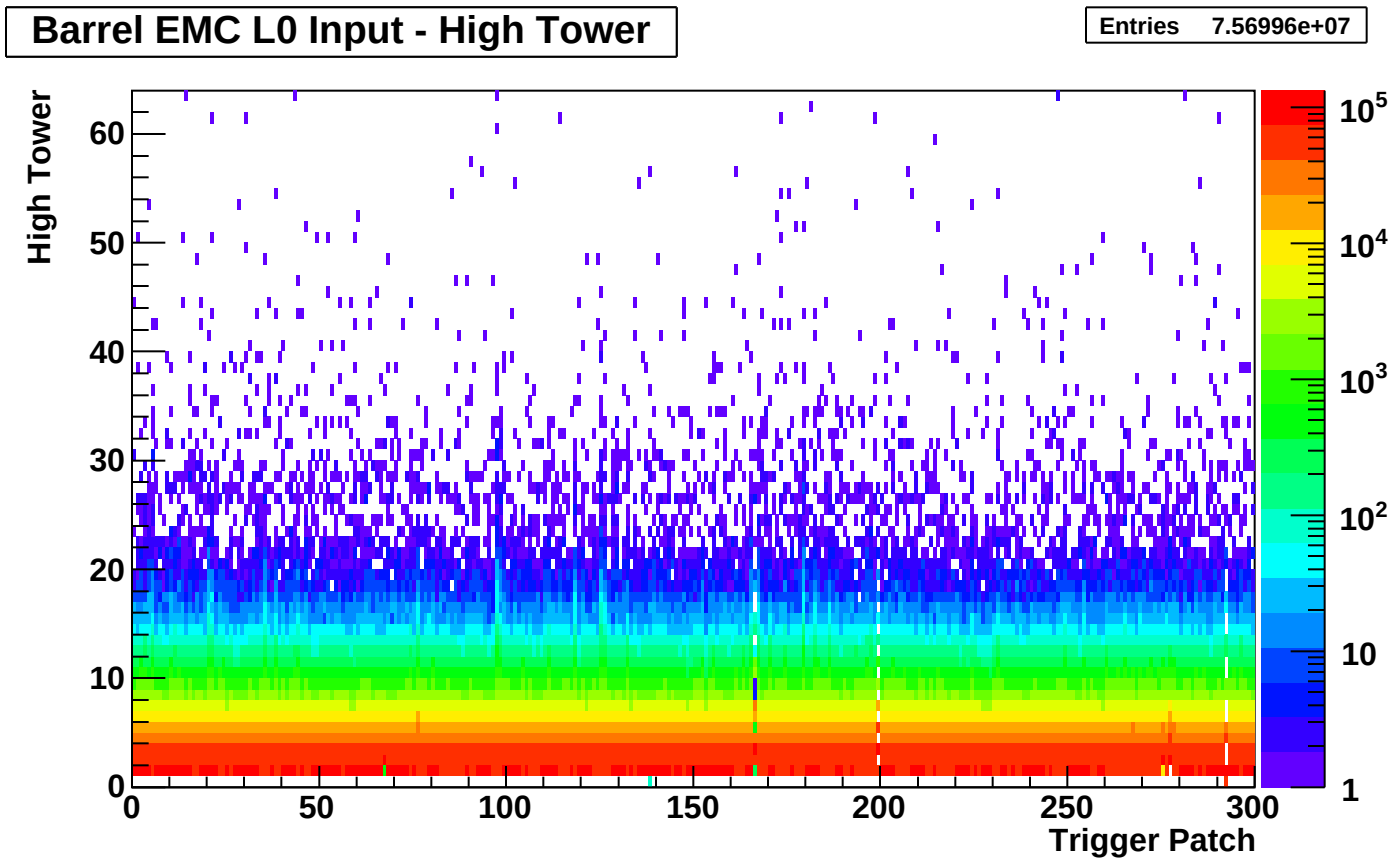

Last DSM Ch3 Input
Entries 3784980
LD301 Ch3
1
0
76132 14425 5165 1407 6911 1165 196366 179541 183497 176904 188701 172968 192918 190513 187641
176200 237907 247167 250925 245421 251147 55966 72791 58835 75428 63631 79364 59414 61819 64691
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

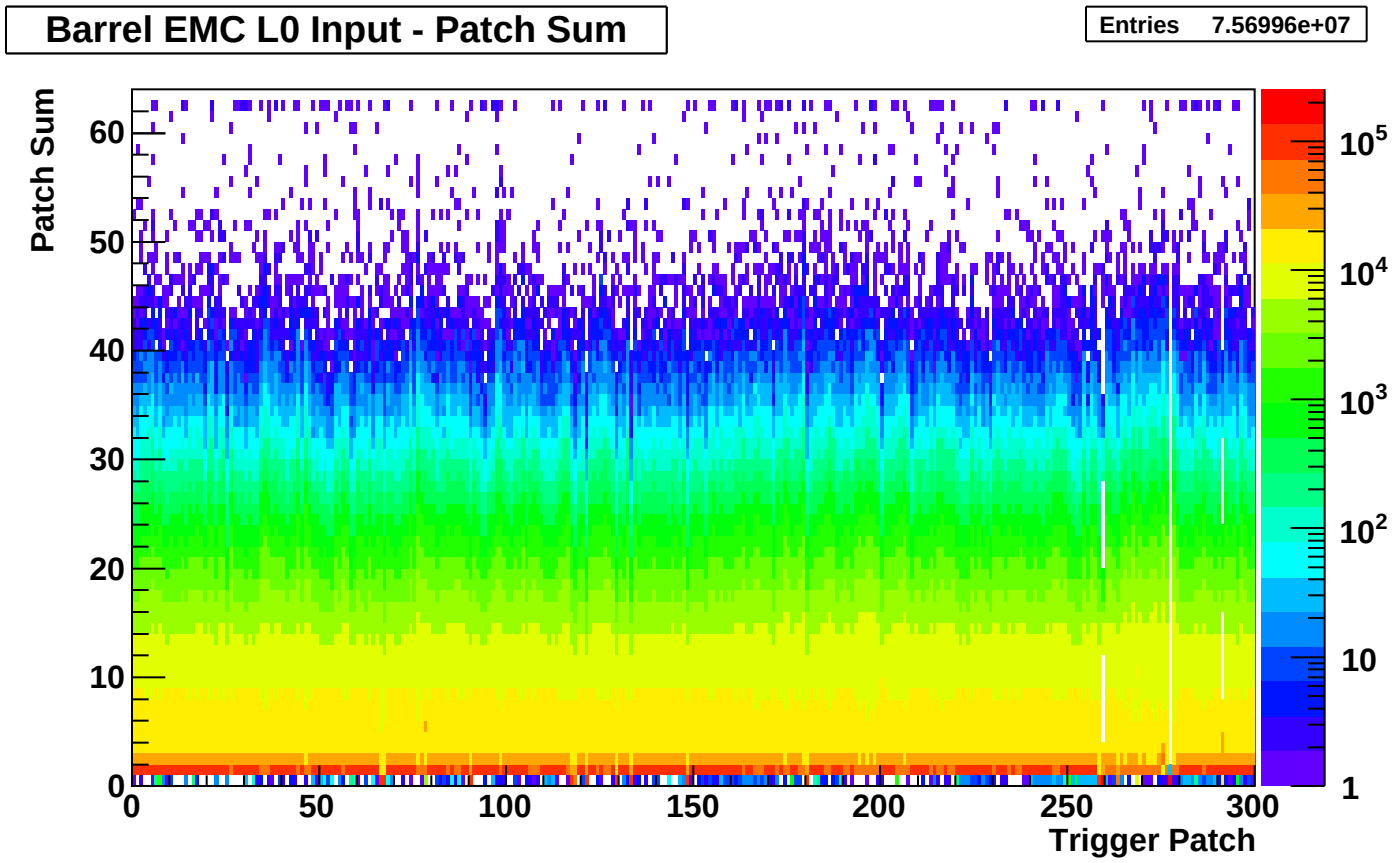

Last DSM Ch3 Input
Entries 128757
LD301 Ch3 - Simulated
1
0
-1
-2
55966 72791
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP
10
1

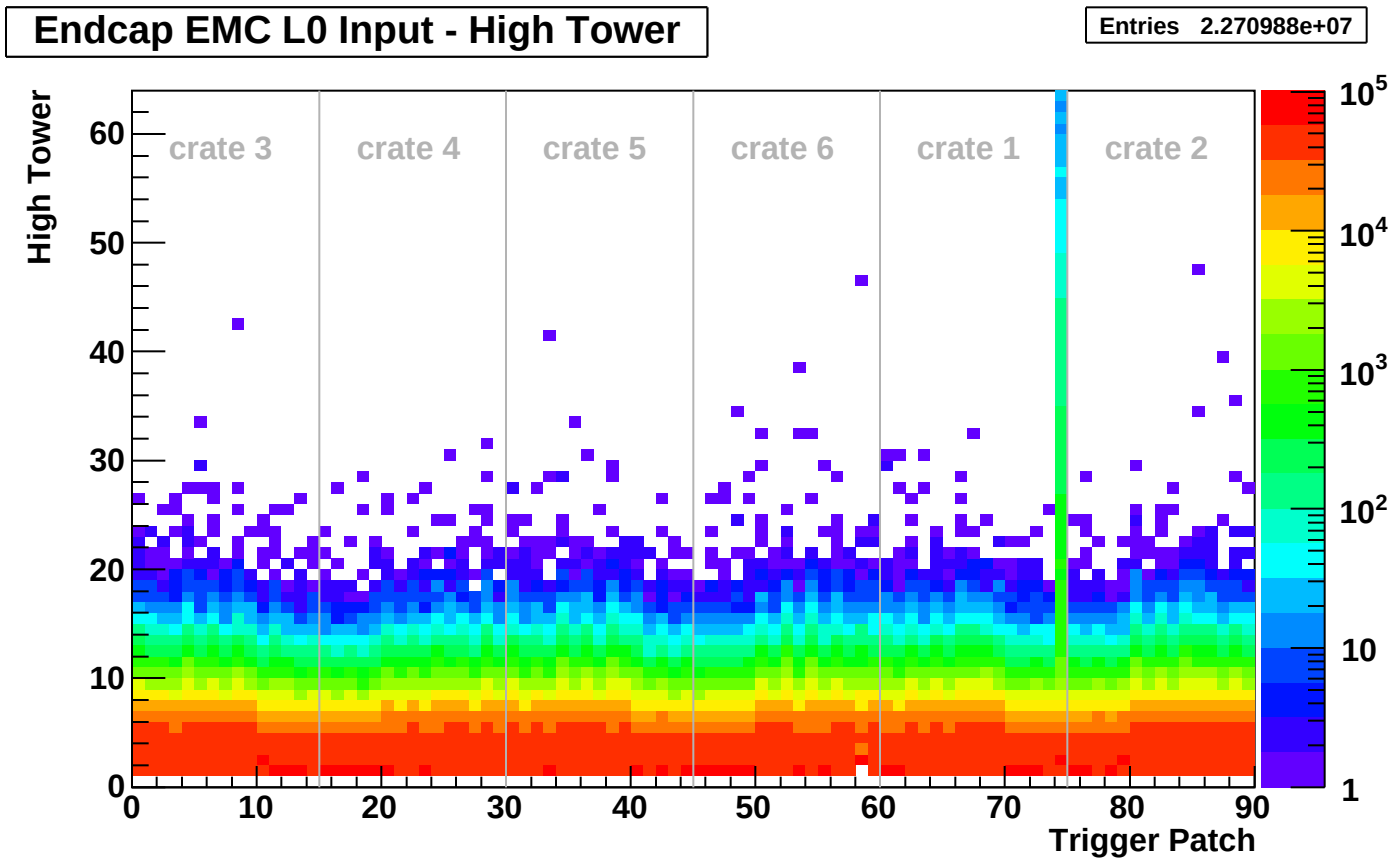

TCU bits
Entries 4037312
TCU bits
1
0
252332 252332 252332 252332 252332 252332 252332 252332 252332 252332 252332 252332 252332 252332 252332 252332
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
10
1

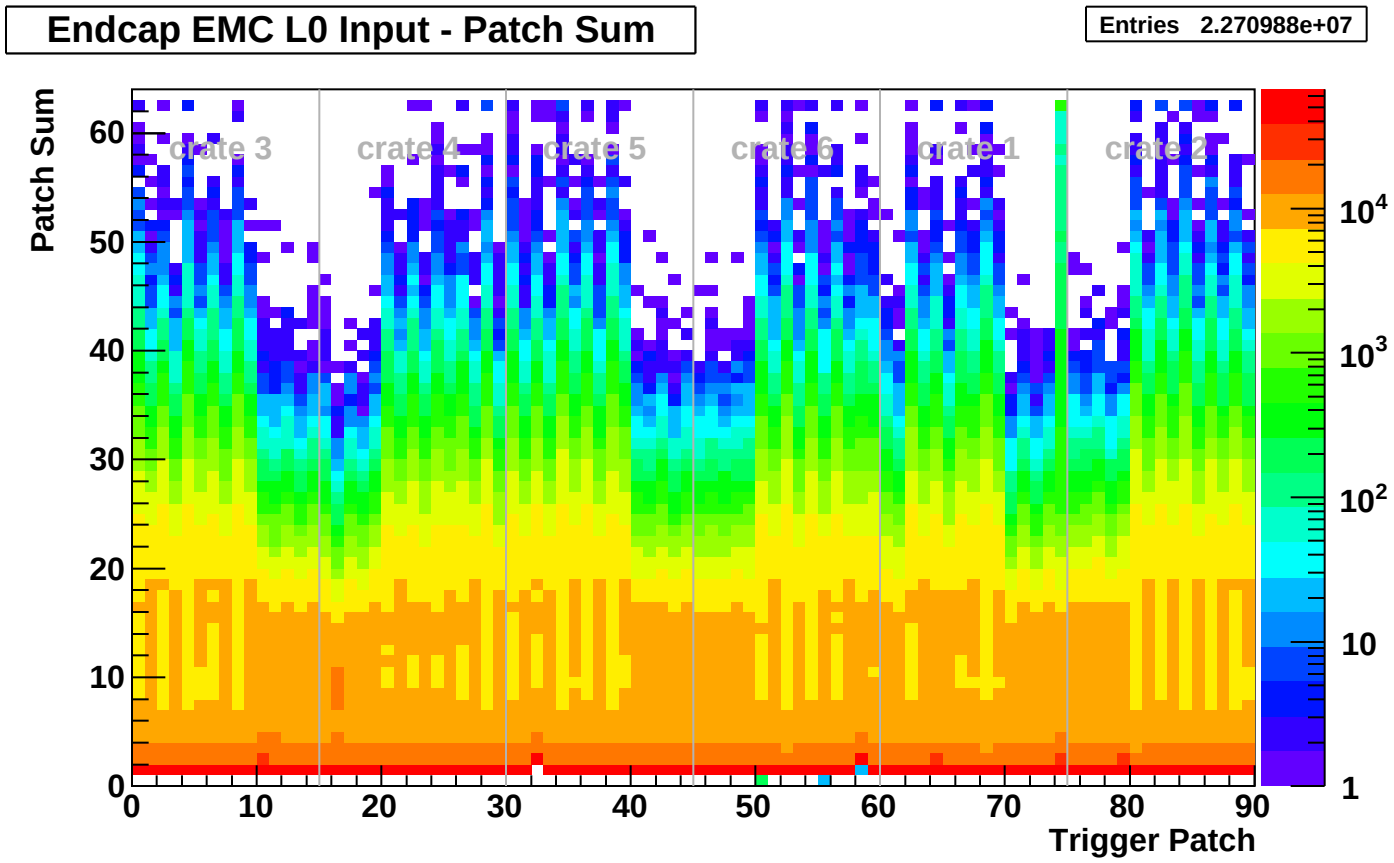

TCU bits
Entries 587151
TCU bits - Simulated
1
0
-1
-2
66872 14425 242007 6911 4604 252332
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias
10
1

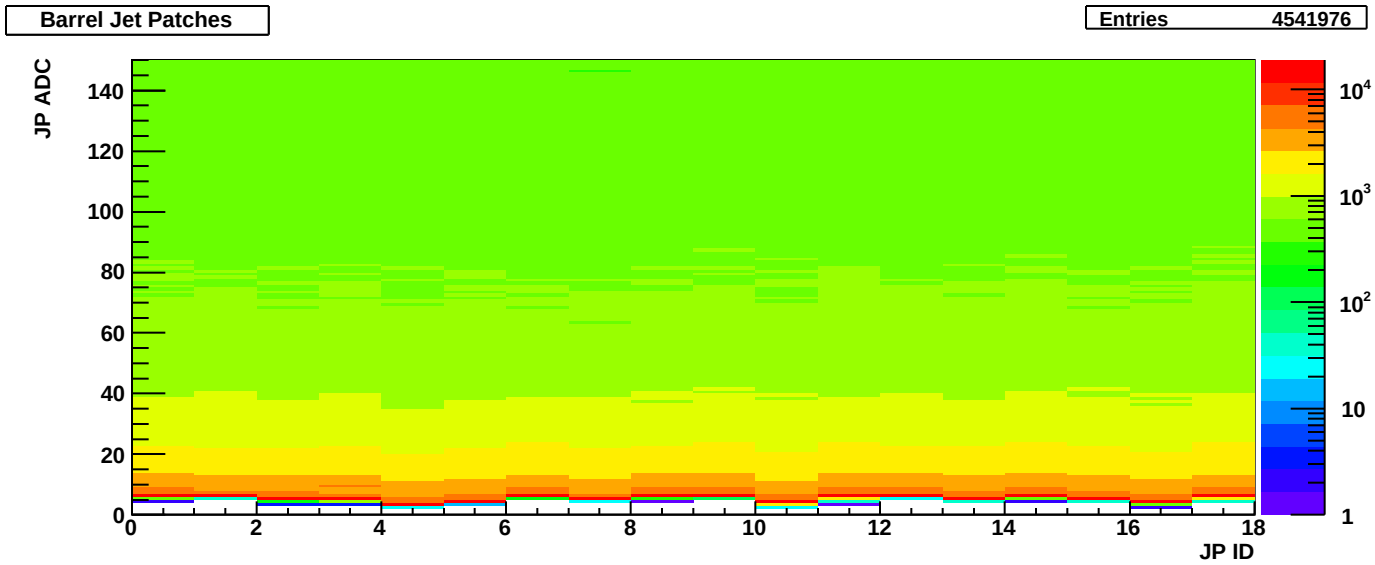

BunchId7Bit (BHT3)
Entries 1407
10
1
0 20 40 60 80 100 120

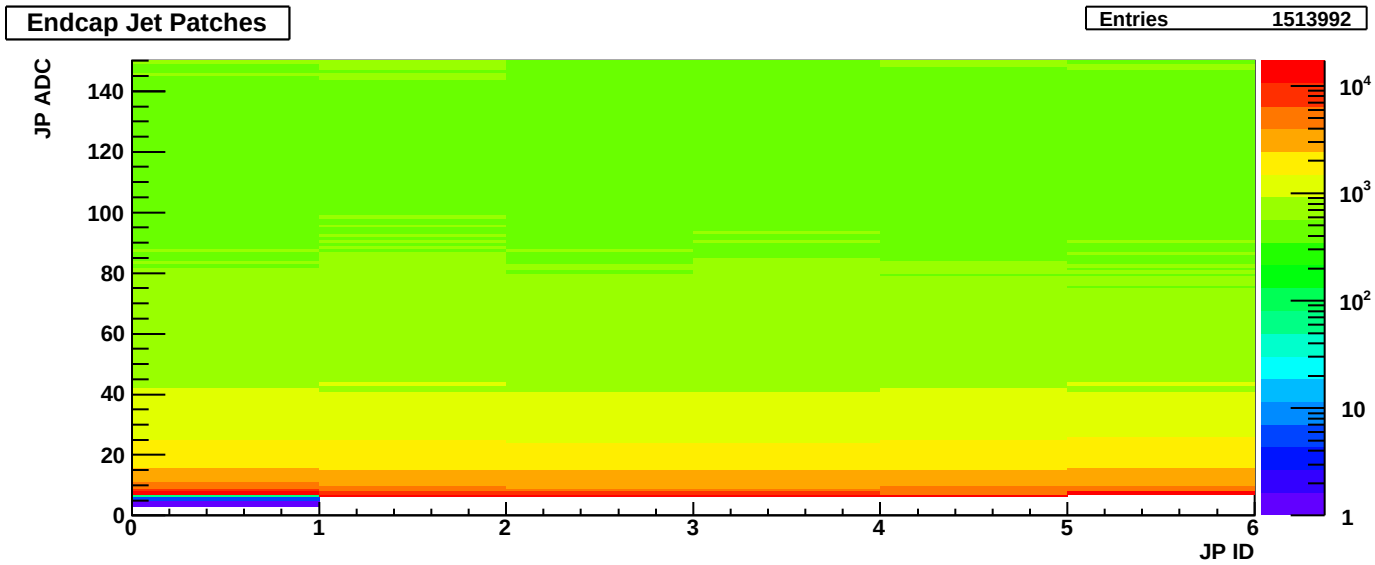

Barrel EMC L0 Input - High Tower
Entries 7.56996e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

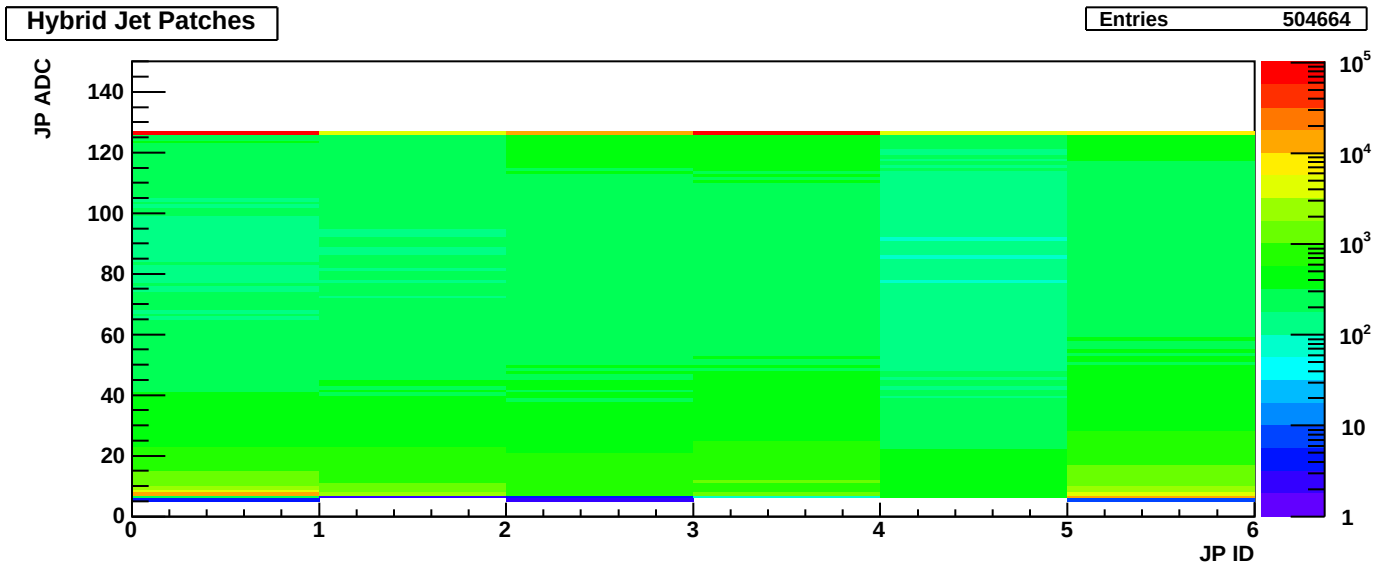

Barrel EMC L0 Input - Patch Sum
Entries 7.56996e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

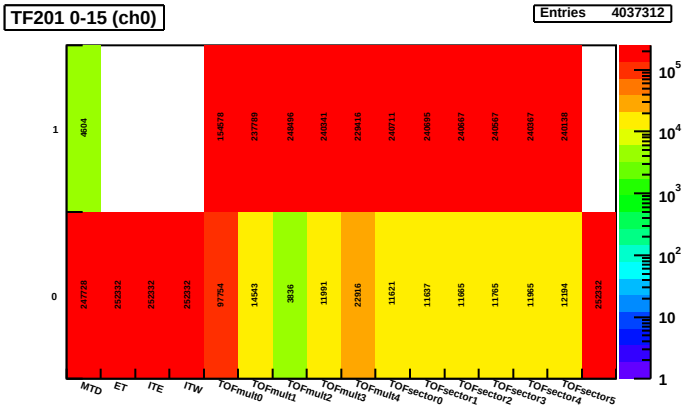

Endcap EMC L0 Input - High Tower
Entries 2.270988e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

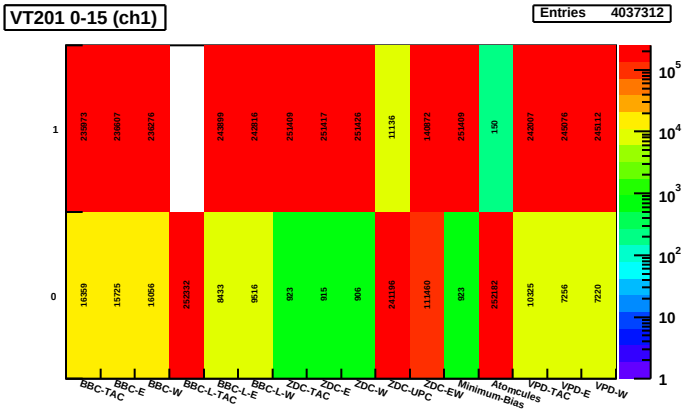

Endcap EMC L0 Input - Patch Sum
Entries 2.270988e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

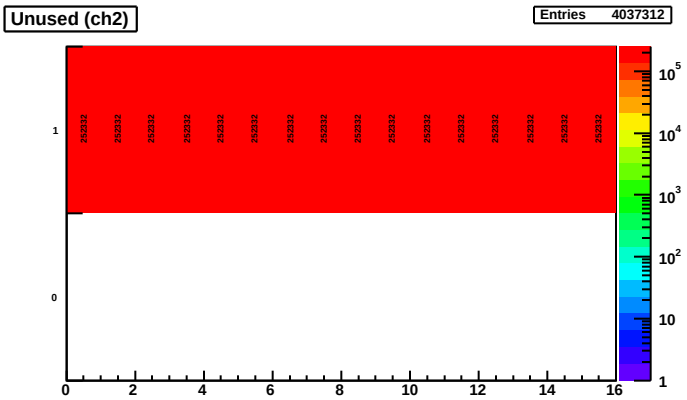

Barrel Jet Patches
Entries 4541976
JP ADC
JP ID

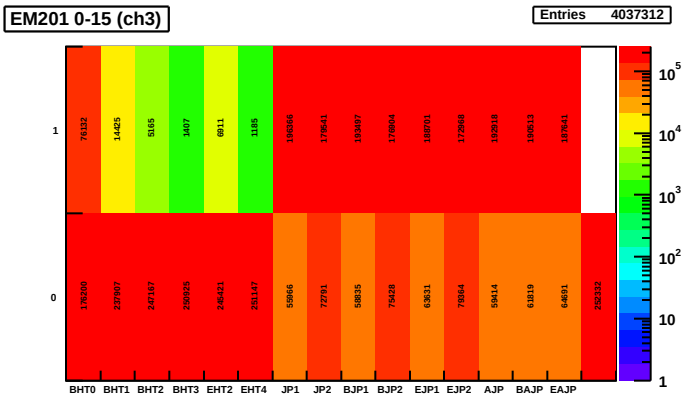

Endcap Jet Patches
Entries 1513992
JP ADC
JP ID

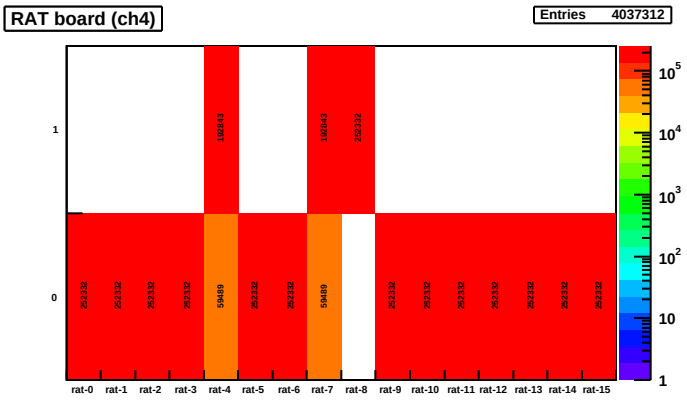

Hybrid Jet Patches
Entries 504664
JP ADC
JP ID

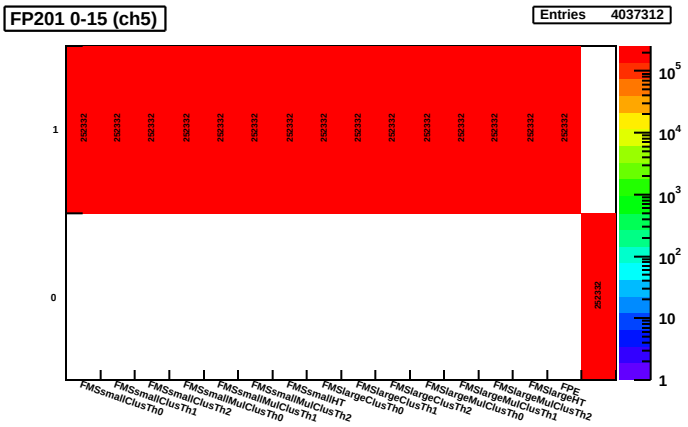

TF201 0-15 (ch0)
Entries 4037312
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

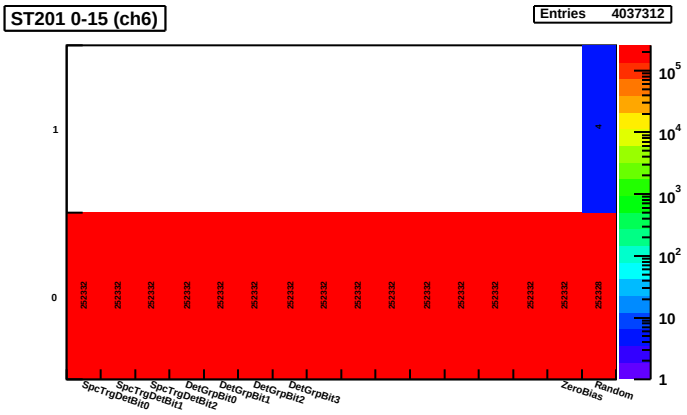

VT201 0-15 (ch1)
Entries 4037312
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

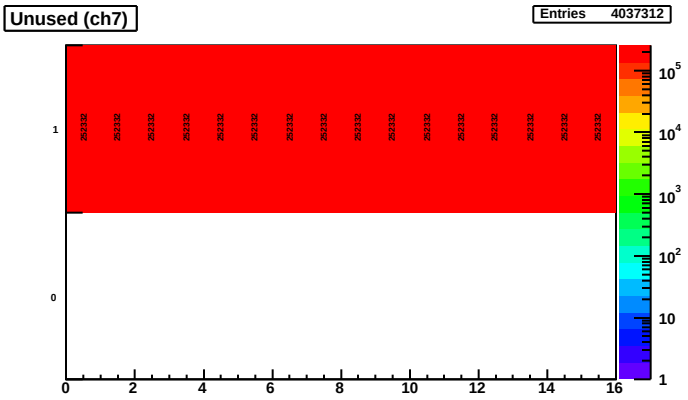

Unused (ch2)
Entries 4037312

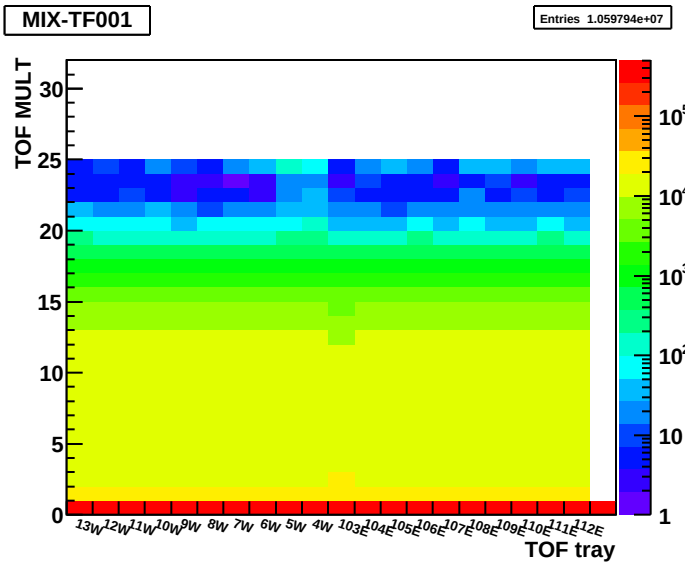

EM201 0-15 (ch3)
Entries 4037312
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

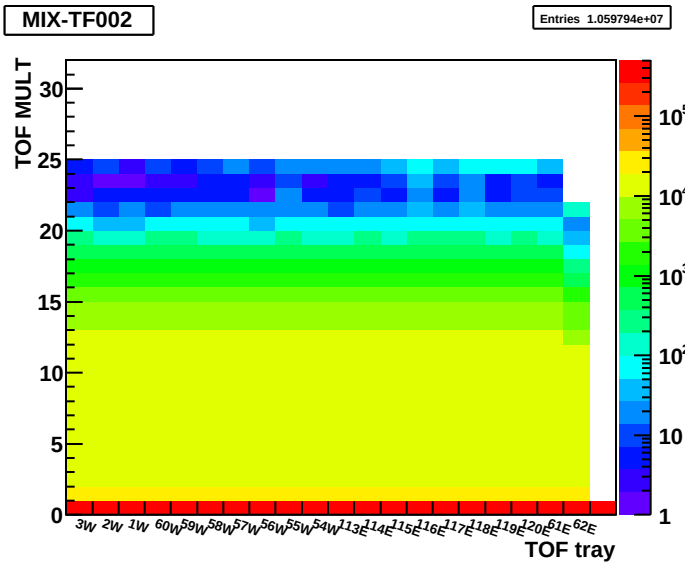

RAT board (ch4)
Entries 4037312
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

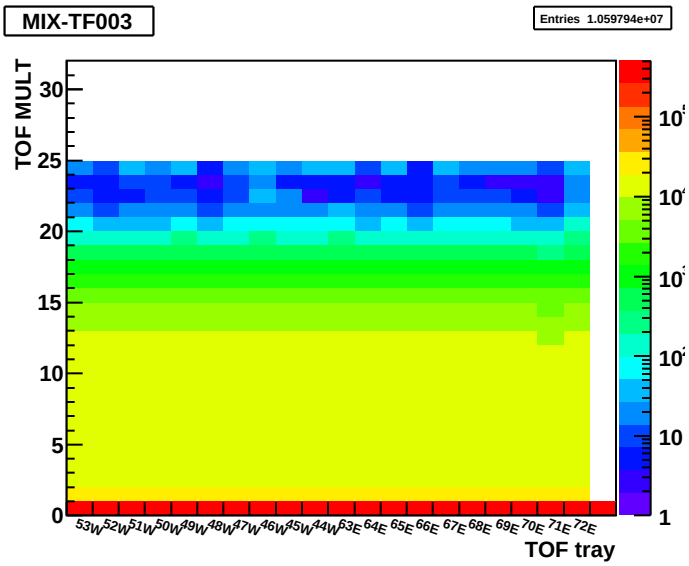

FP201 0-15 (ch5)
Entries 4037312
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

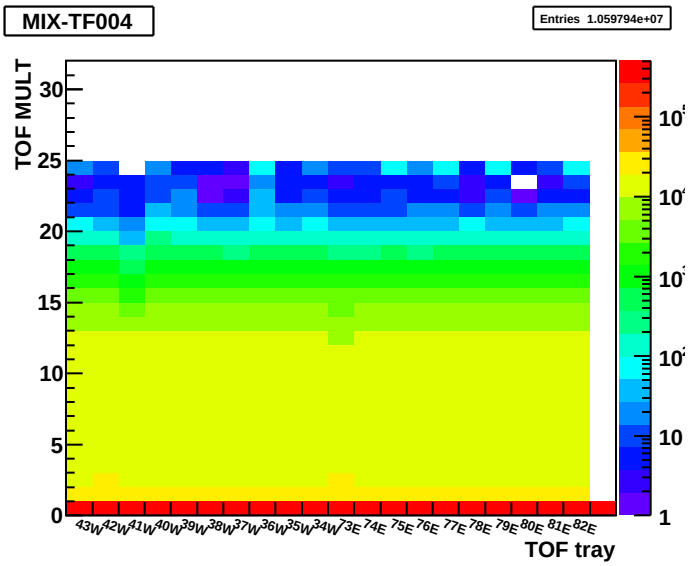

ST201 0-15 (ch6)
Entries 4037312
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

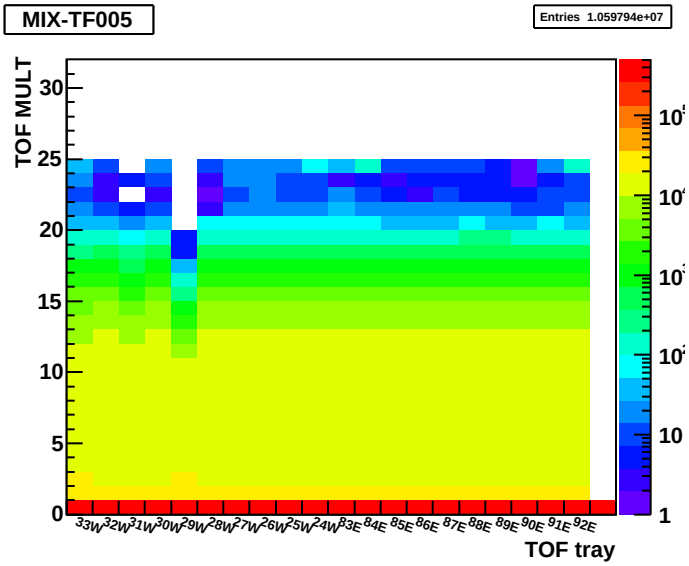

Unused (ch7)
Entries 4037312

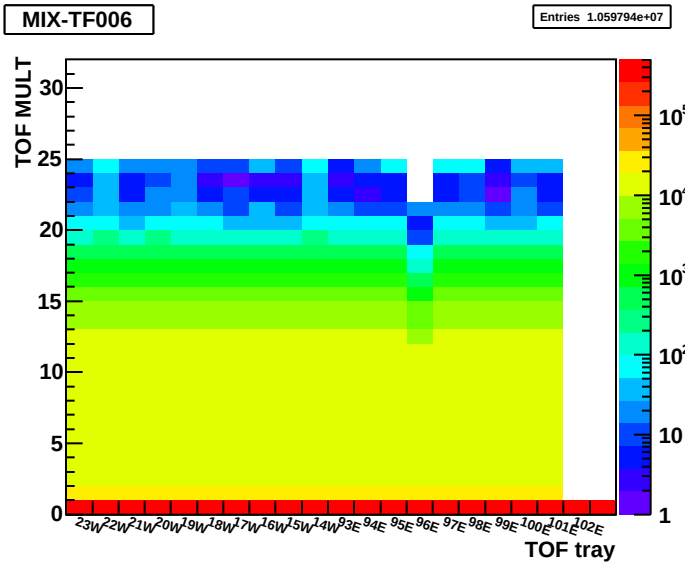

MIX-TF001
Entries 1.059794e+07
TOF MULT
TOF tray

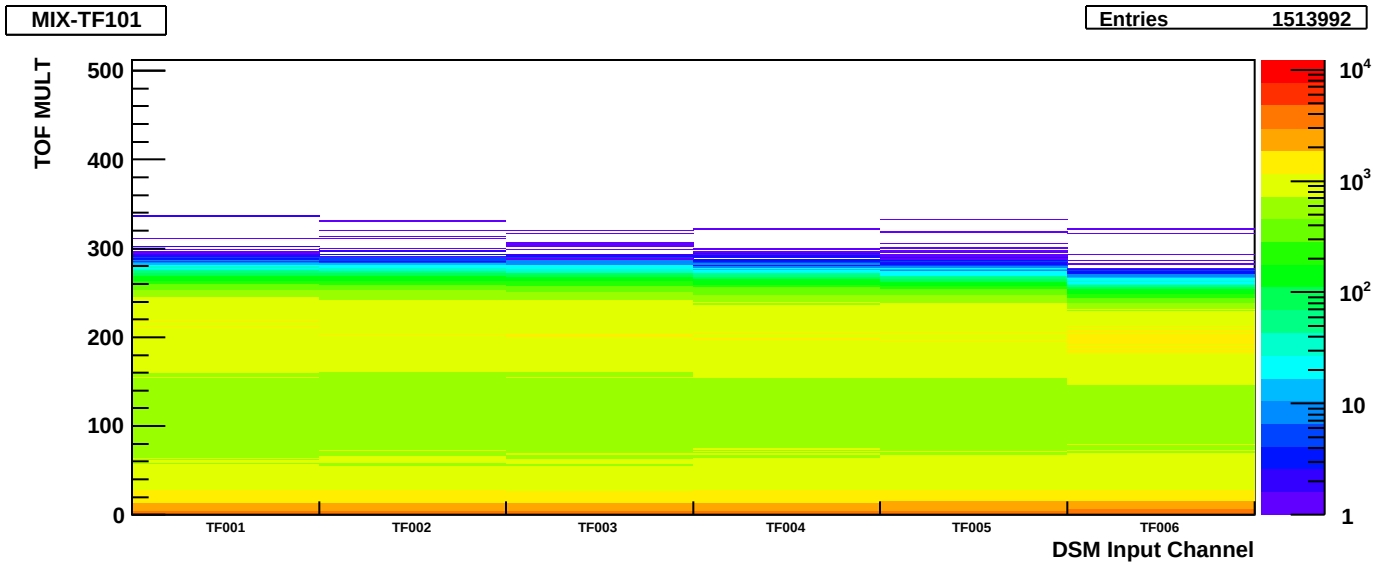

MIX-TF002
Entries 1.059794e+07
TOF MULT
TOF tray

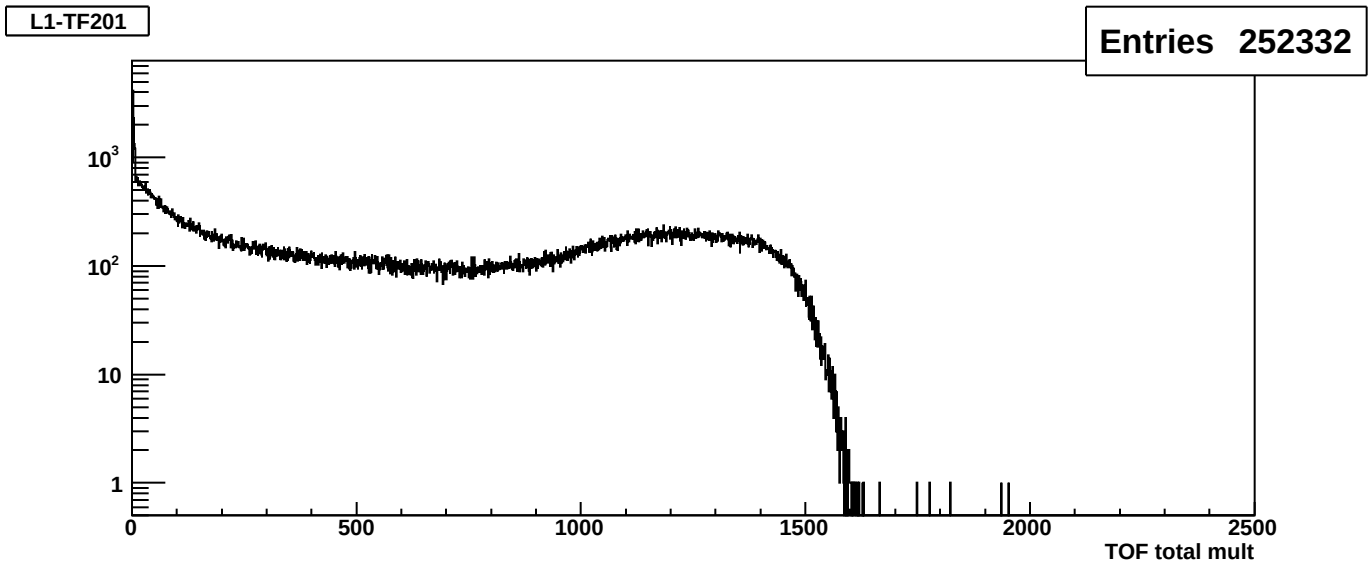

MIX-TF003
Entries 1.059794e+07
TOF MULT
TOF tray

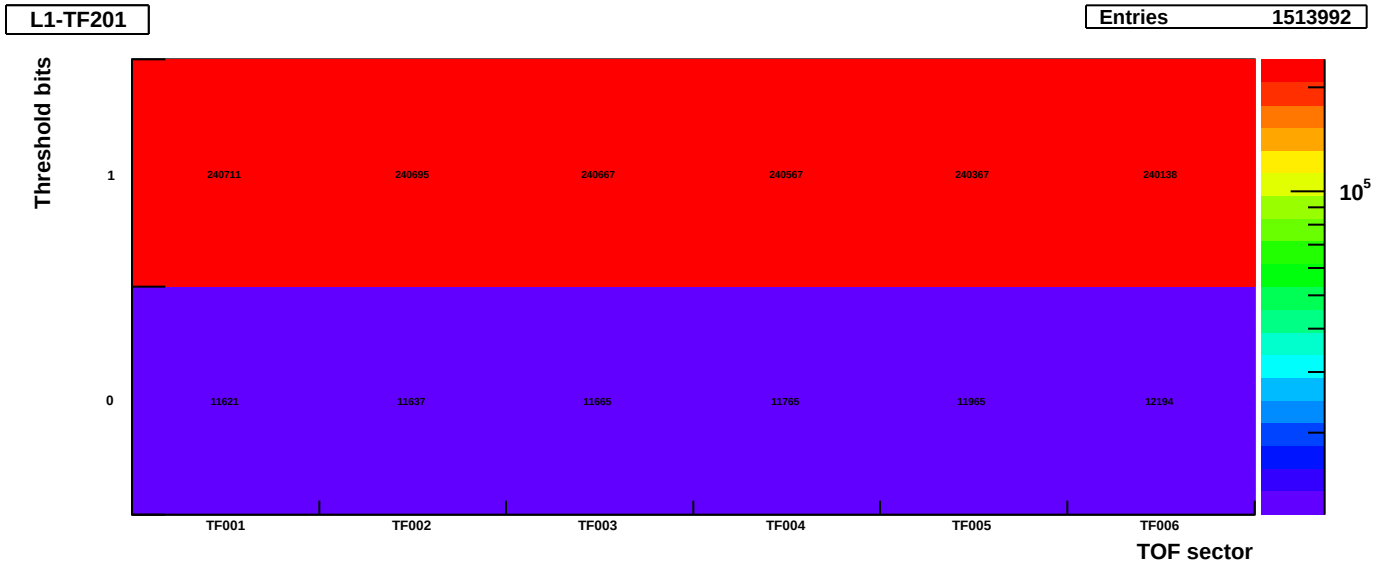

MIX-TF004
Entries 1.059794e+07
TOF MULT
TOF tray

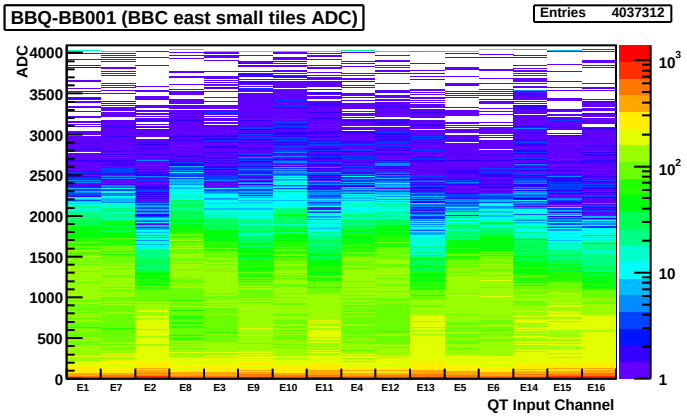

MIX-TF005
Entries 1.059794e+07
TOF MULT
TOF tray

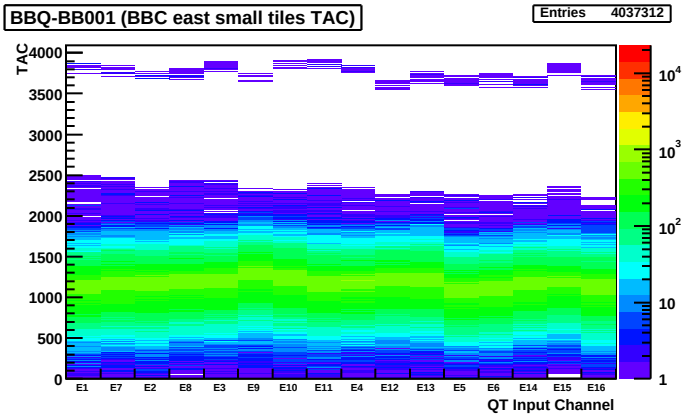

MIX-TF006
Entries 1.059794e+07
TOF MULT
TOF tray

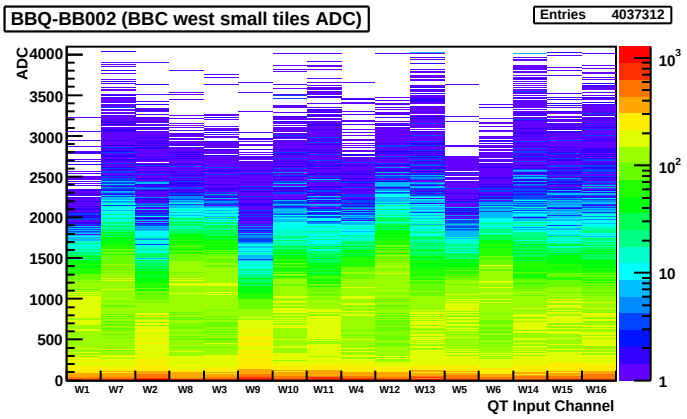

MIX-TF101
Entries 1513992
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

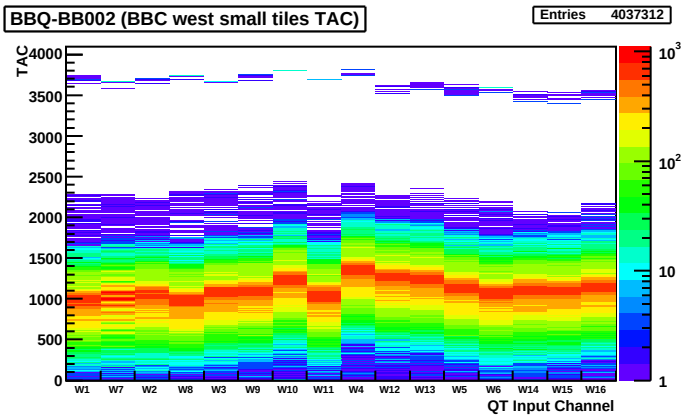

L1-TF201
Entries 252332
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

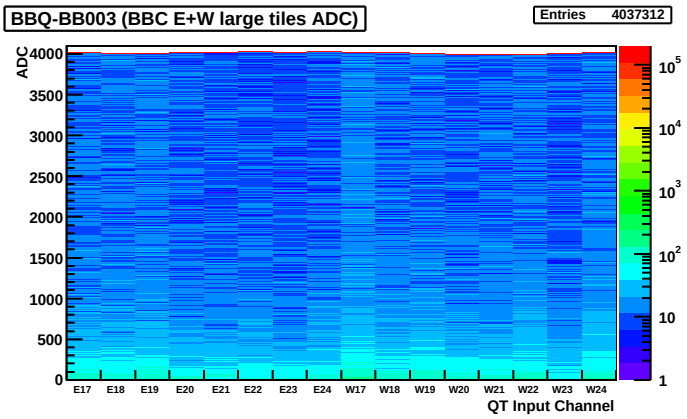

L1-TF201
Entries 1513992
Threshold bits
1
0
240711
240695
240667
240567
240367
240138
11621
11637
11665
11765
11965
12194
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

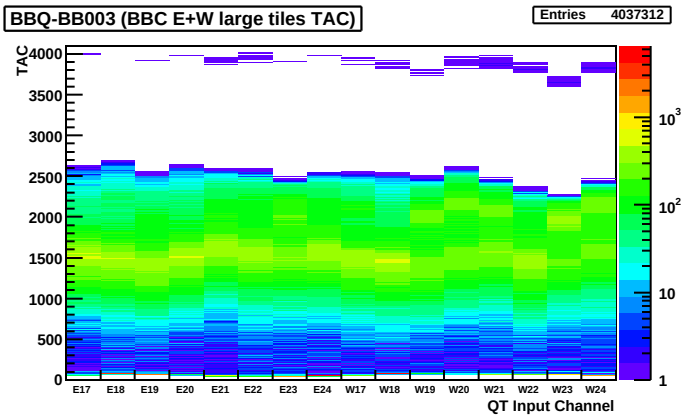

BBQ-BB001 (BBC east small tiles ADC)
Entries 4037312
ADC
QT Input Channel

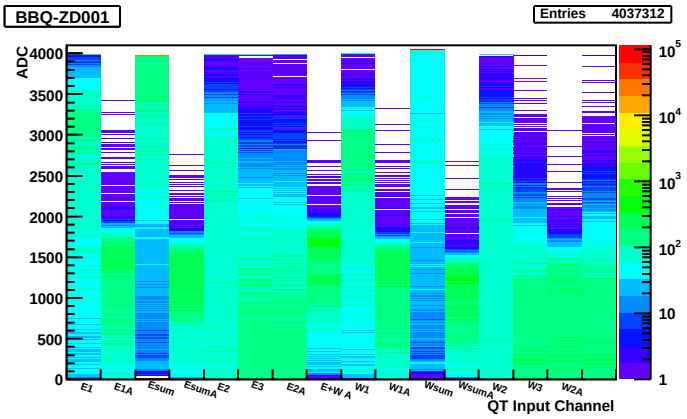

BBQ-BB001 (BBC east small tiles TAC)
Entries 4037312
TAC
QT Input Channel

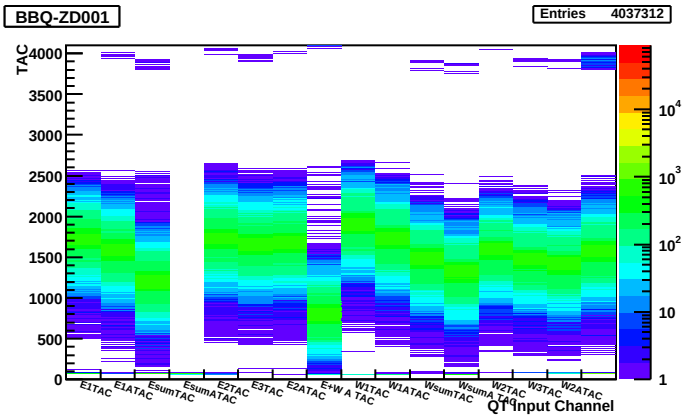

BBQ-BB002 (BBC west small tiles ADC)
Entries 4037312
ADC
QT Input Channel

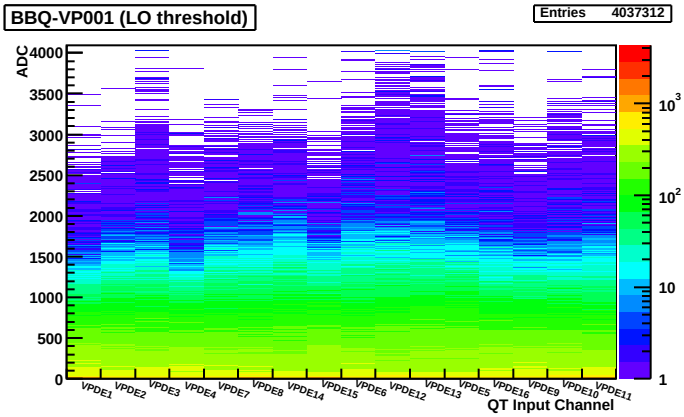

BBQ-BB002 (BBC west small tiles TAC)
Entries 4037312
TAC
QT Input Channel

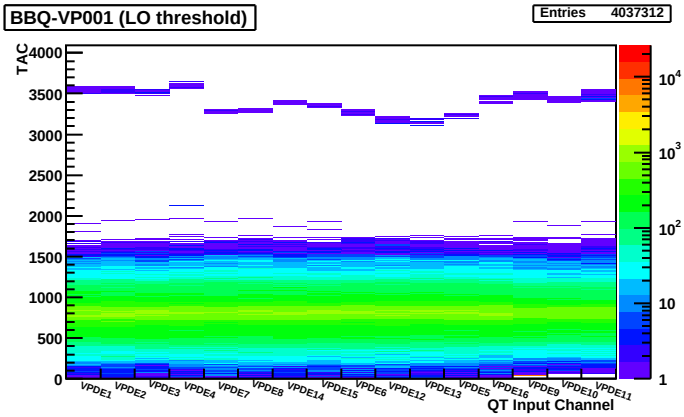

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4037312
ADC
QT Input Channel

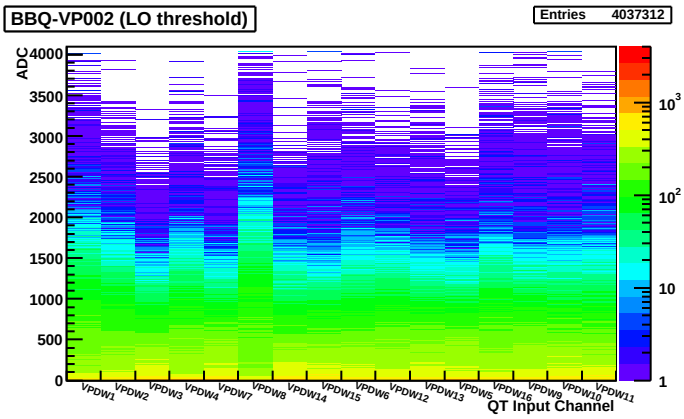

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4037312
TAC
QT Input Channel

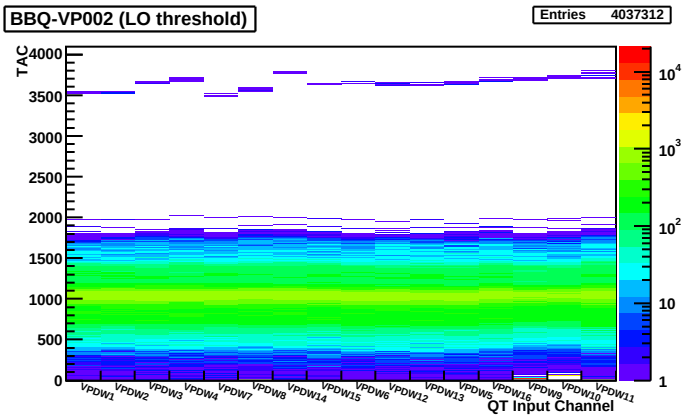

BBQ-ZD001
Entries 4037312
ADC
QT Input Channel

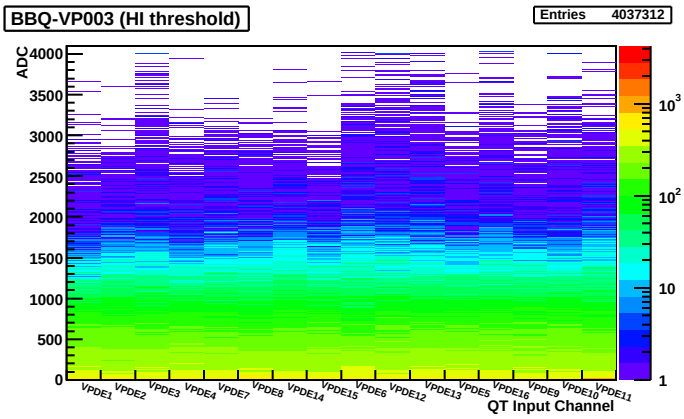

BBQ-ZD001
Entries 4037312
TAC
QT Input Channel

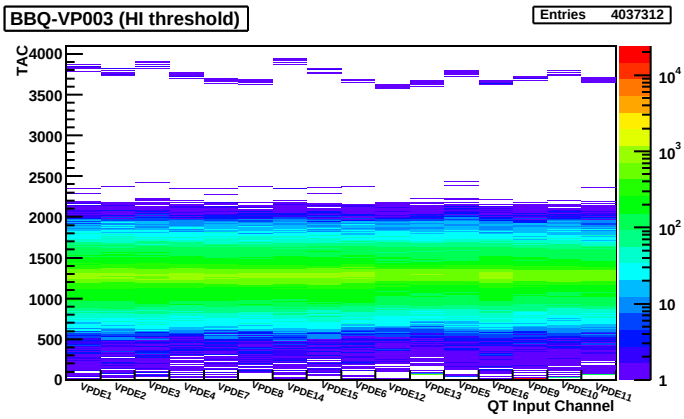

BBQ-VP001 (LO threshold)
Entries 4037312
ADC
QT Input Channel

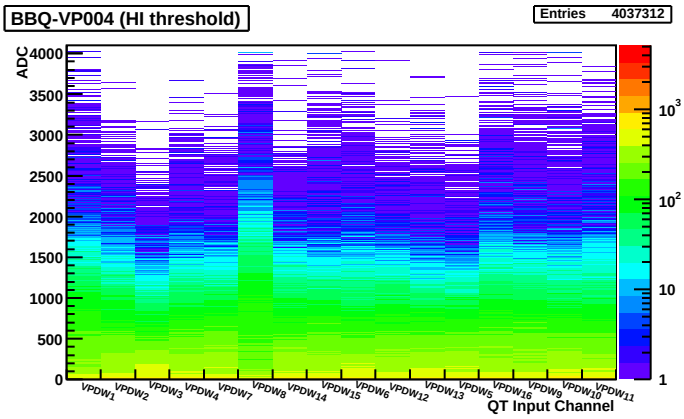

BBQ-VP001 (LO threshold)
Entries 4037312
TAC
QT Input Channel

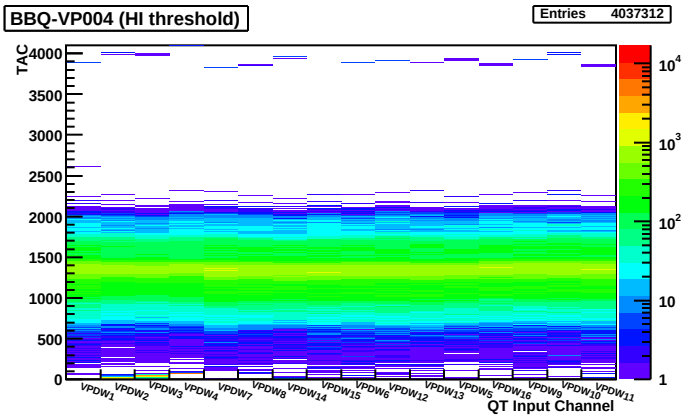

BBQ-VP002 (LO threshold)
Entries 4037312
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 4037312
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4037312
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 4037312
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4037312
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 4037312
TAC
QT Input Channel