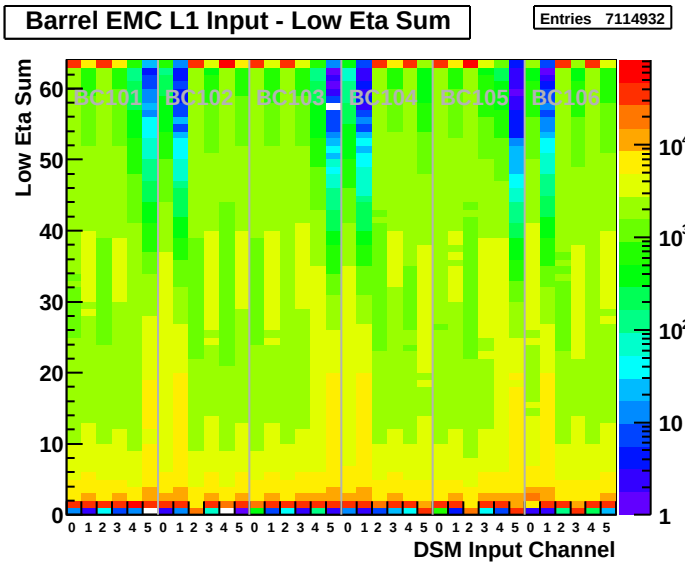
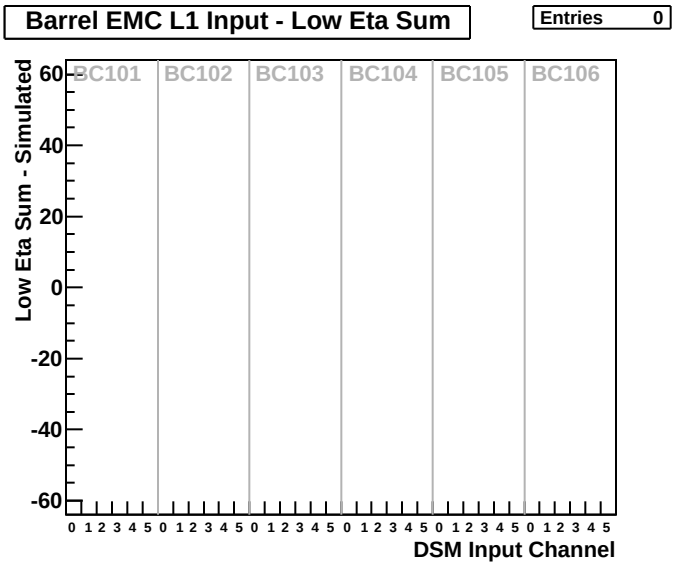
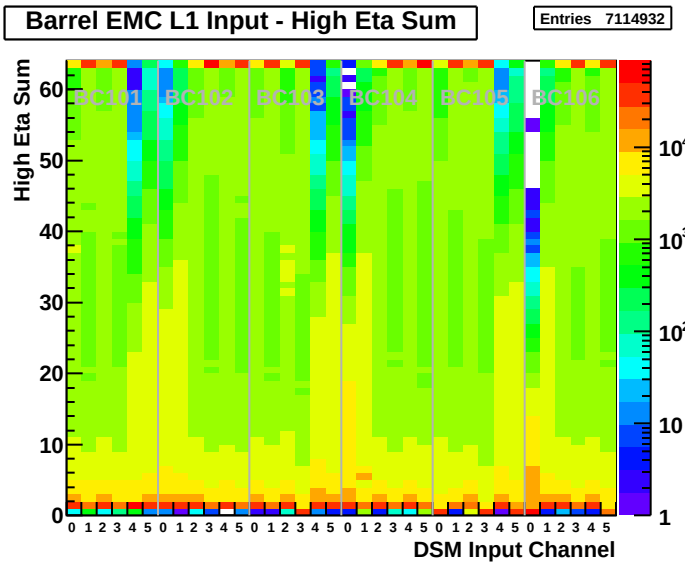
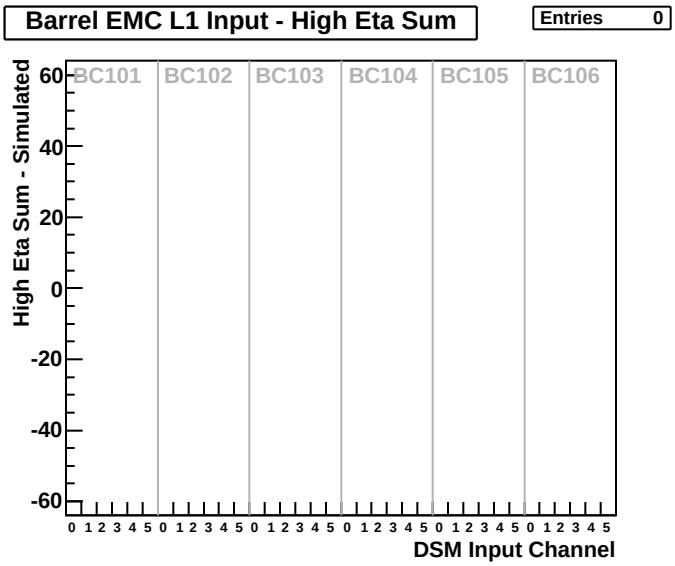
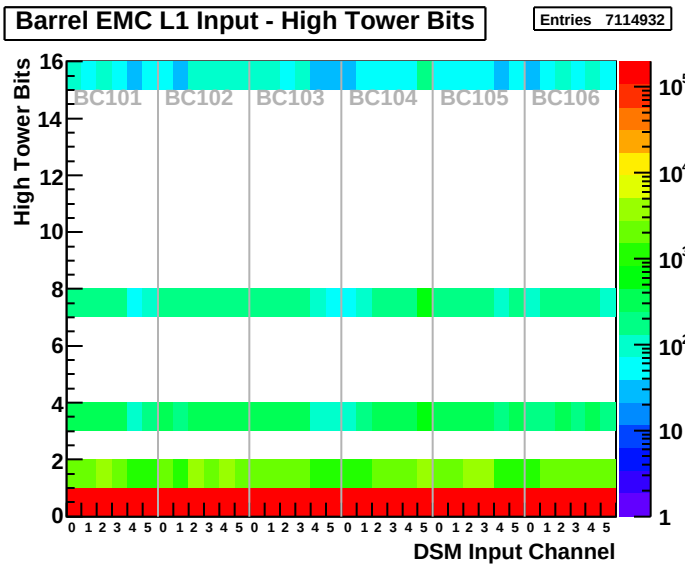
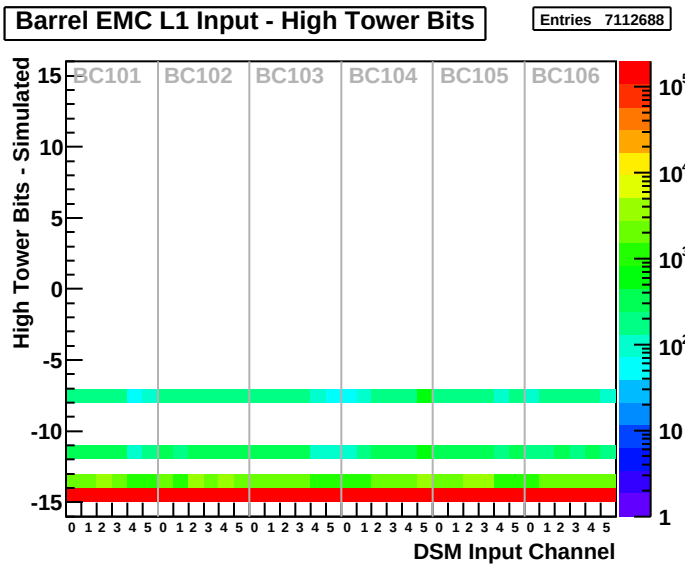

Barrel EMC L1 Input - Low Eta Sum
Entries 7114932
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

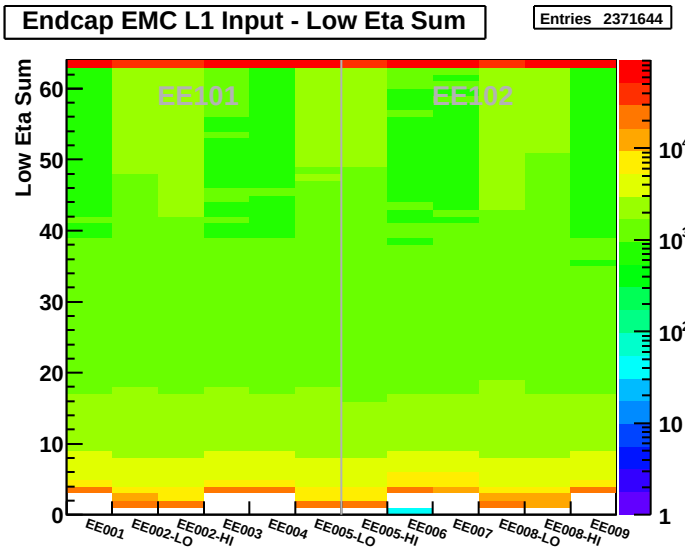

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

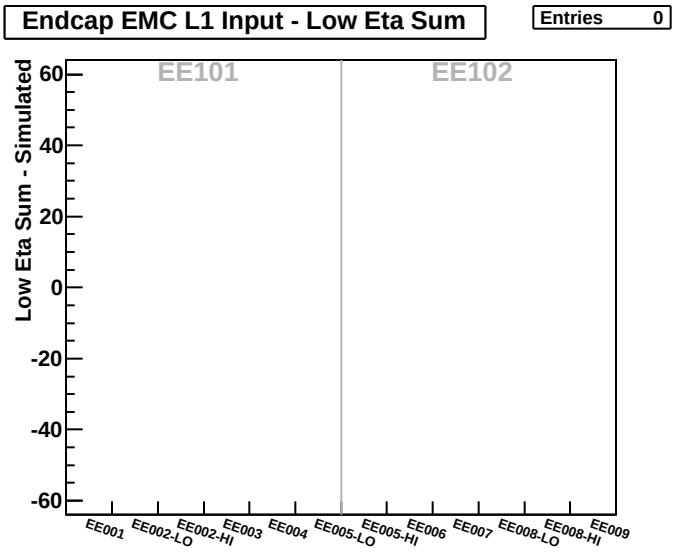

Barrel EMC L1 Input - High Eta Sum
Entries 7114932
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

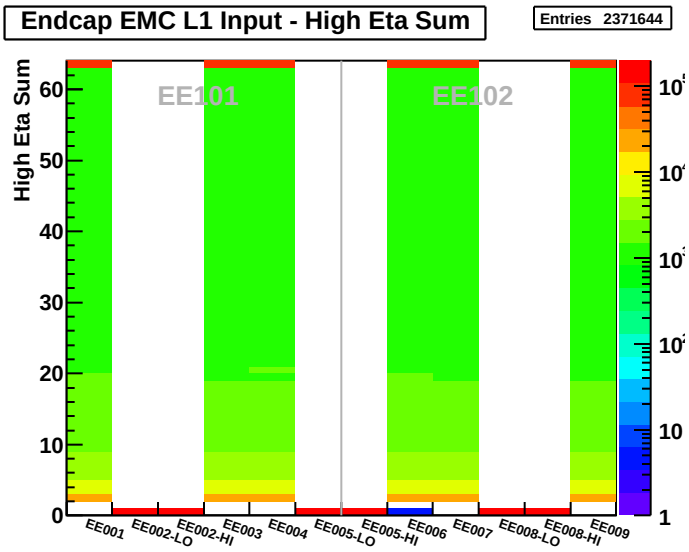

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

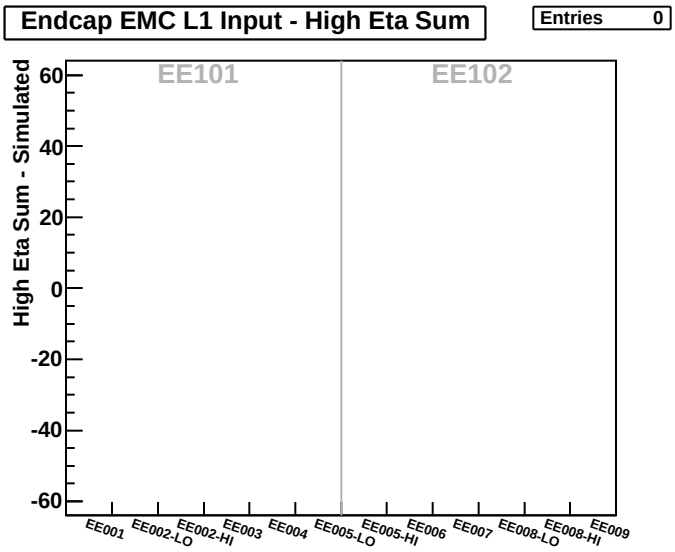

Barrel EMC L1 Input - High Tower Bits
Entries 7114932
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

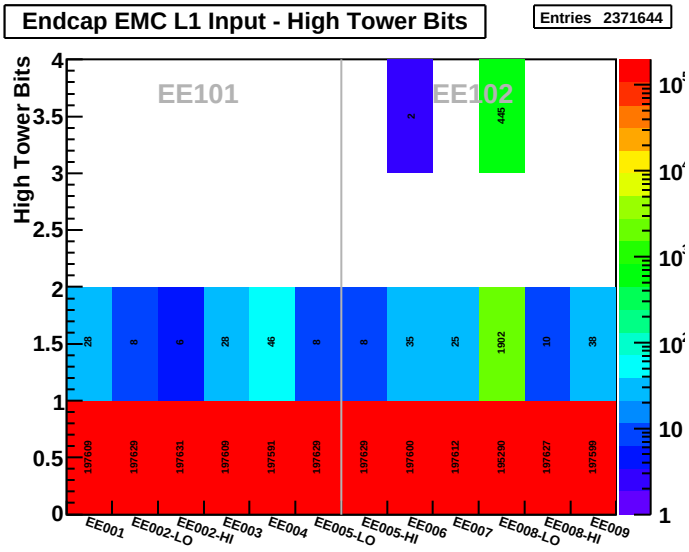

Barrel EMC L1 Input - High Tower Bits
Entries 7112688
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

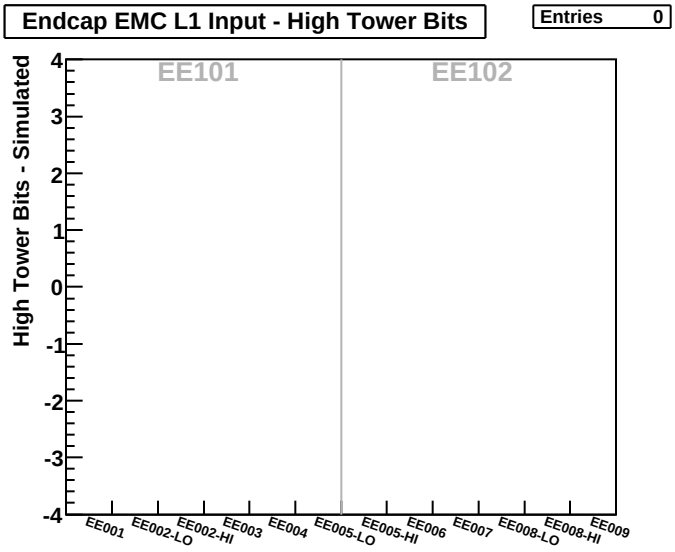

Endcap EMC L1 Input - Low Eta Sum
Entries 2371644
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

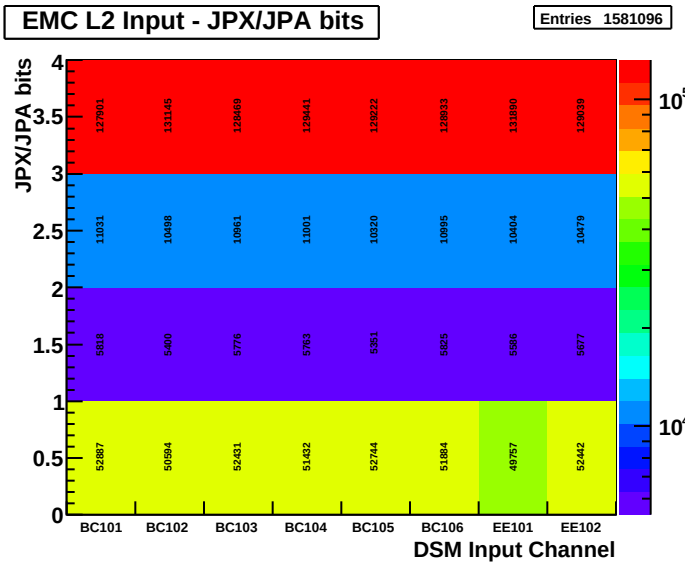

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

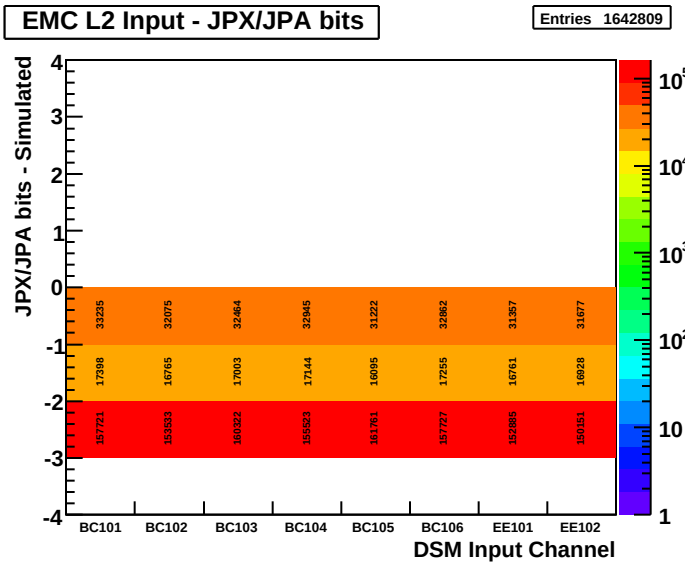

Endcap EMC L1 Input - High Eta Sum
Entries 2371644
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

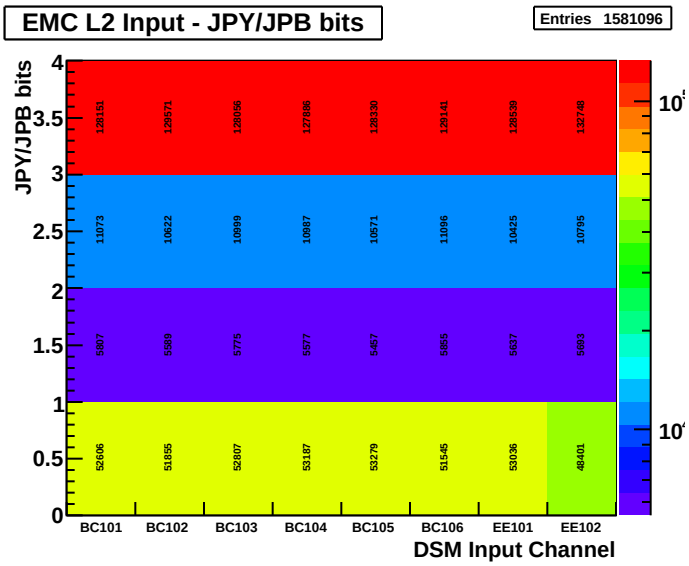

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

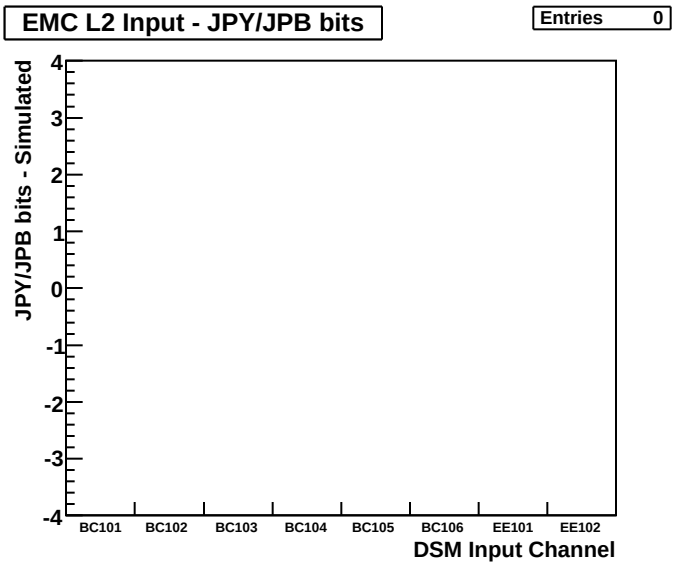

Endcap EMC L1 Input - High Tower Bits
Entries 2371644
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

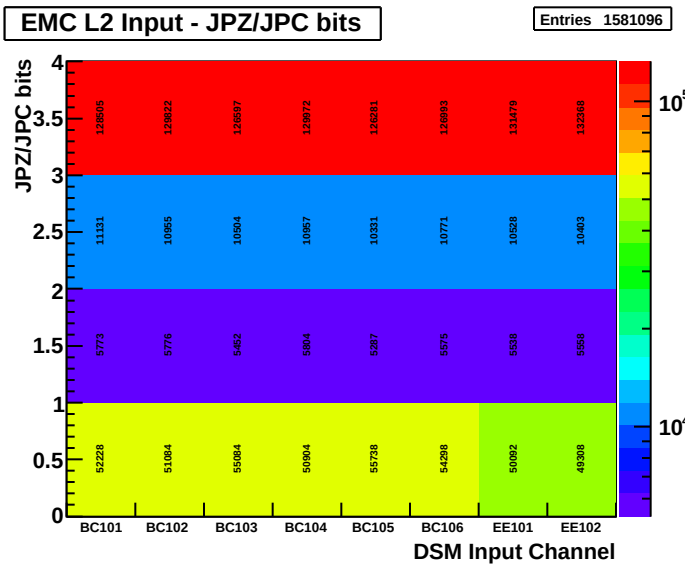

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

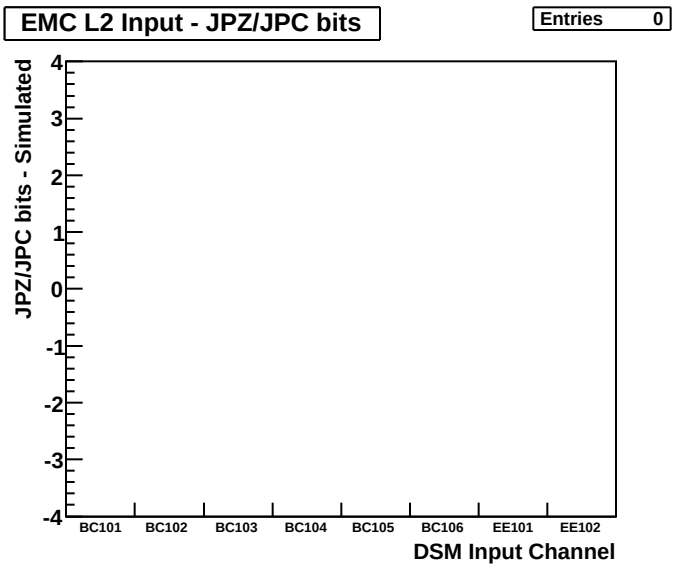

EMC L2 Input - JPX/JPA bits
Entries 1581096
JPX/JPA bits
127901 131145 128469 129441 129222 128833 131890 129039
11031 10498 10961 11001 10320 10995 10404 10479
5816 5400 5776 5763 5351 5825 5586 5677
52887 50594 52431 51432 52744 51884 49757 52442
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

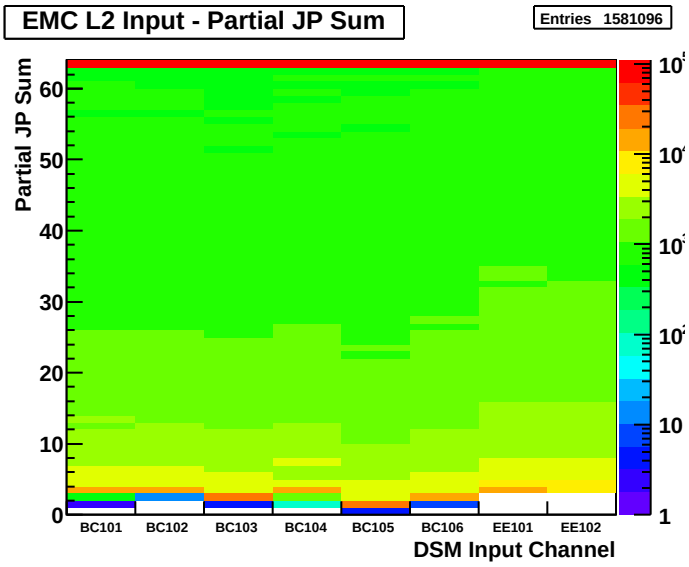

EMC L2 Input - JPX/JPA bits
Entries 1642809
JPX/JPA bits - Simulated
33235 32075 32464 32945 31222 32862 31357 31677
17398 16765 17003 17144 16095 17255 16761 16828
157721 153533 160322 155523 161761 157727 152895 150151
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

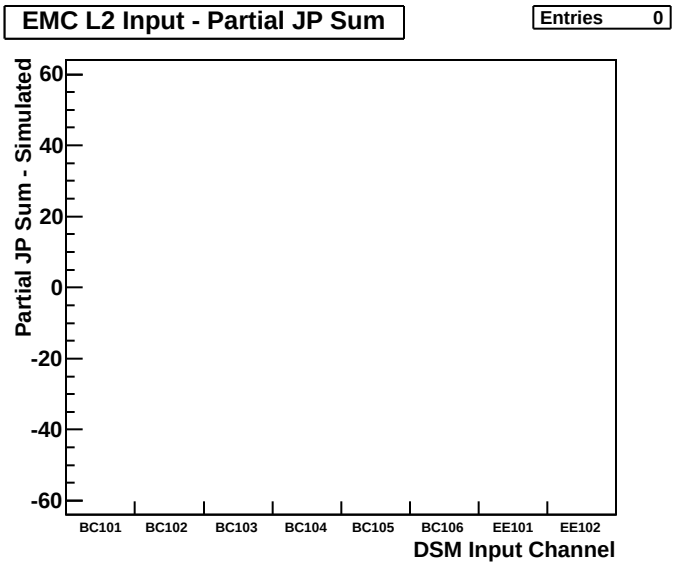

EMC L2 Input - JPY/JPB bits
Entries 1581096
JPY/JPB bits
128151 129571 128056 127886 128330 129141 128539 132748
11073 10622 10999 10987 10571 11096 10425 10795
5807 5590 5775 5577 5457 5855 5637 5633
52606 51855 52807 53187 53279 51545 53036 48401
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

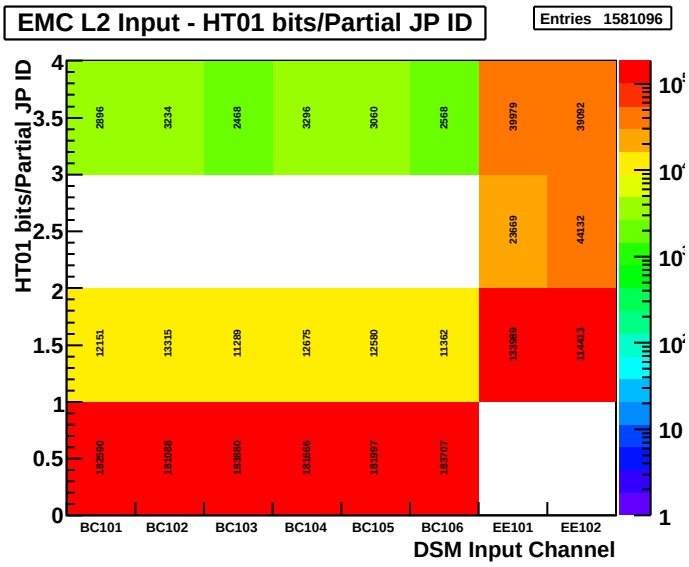

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

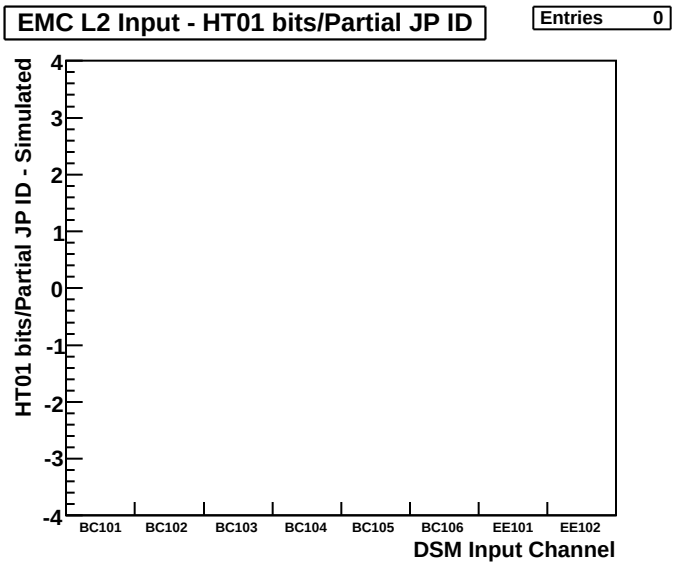

EMC L2 Input - JPZ/JPC bits
Entries 1581096
JPZ/JPC bits
128505 128822 126597 129972 128281 126993 131479 132368
11131 10955 10504 10957 10331 10771 10528 10403
5773 5776 5462 5804 5287 5575 5538 5558
52228 51084 55084 50904 55738 54298 50092 49308
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

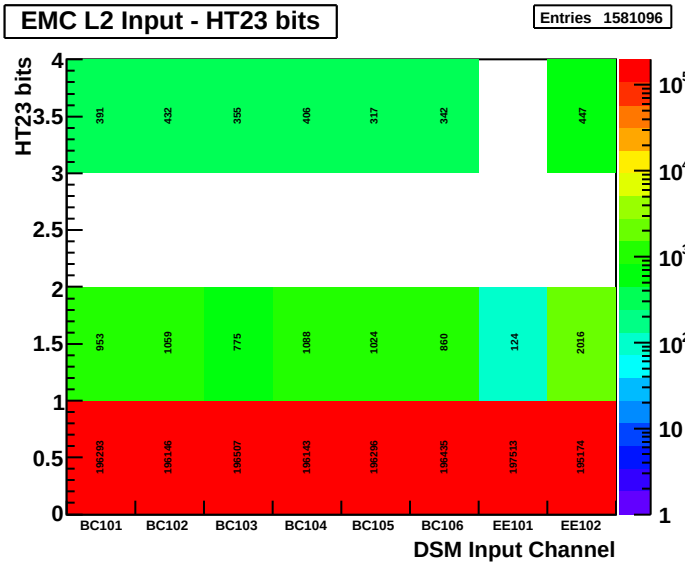

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

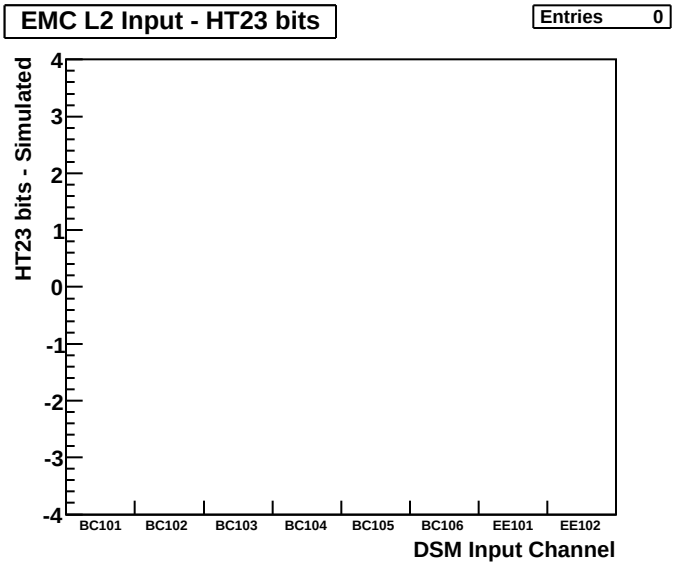

EMC L2 Input - Partial JP Sum
Entries 1581096
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

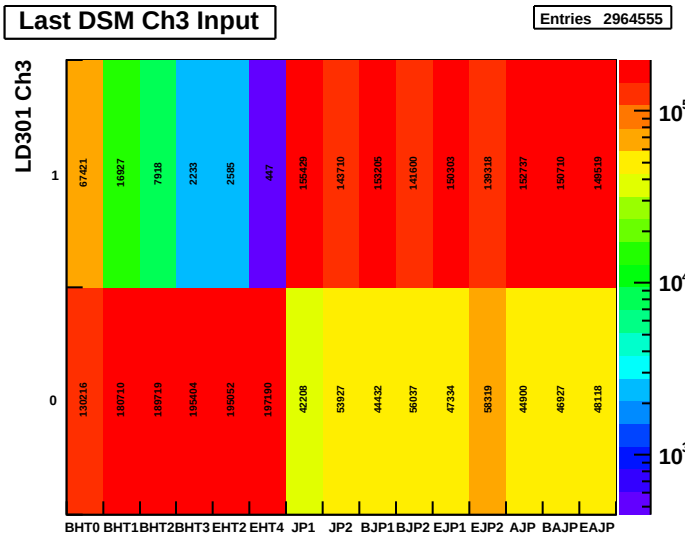

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

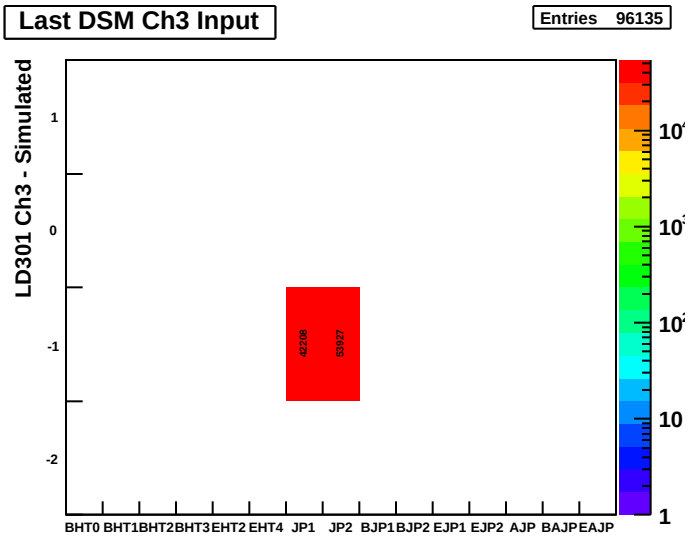

EMC L2 Input - HT01 bits/Partial JP ID
Entries 1581096
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

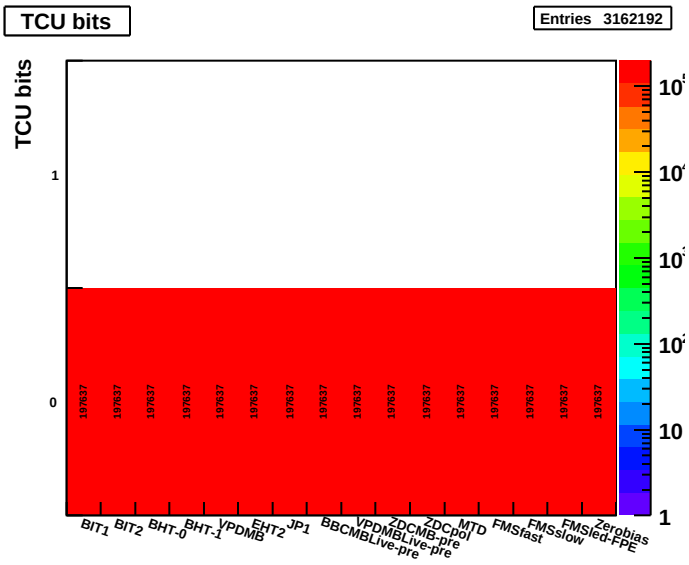

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

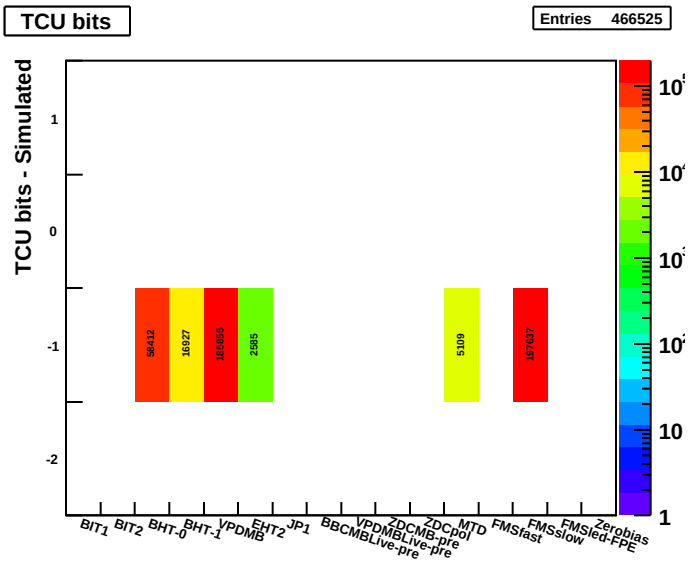

EMC L2 Input - HT23 bits
Entries 1581096
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

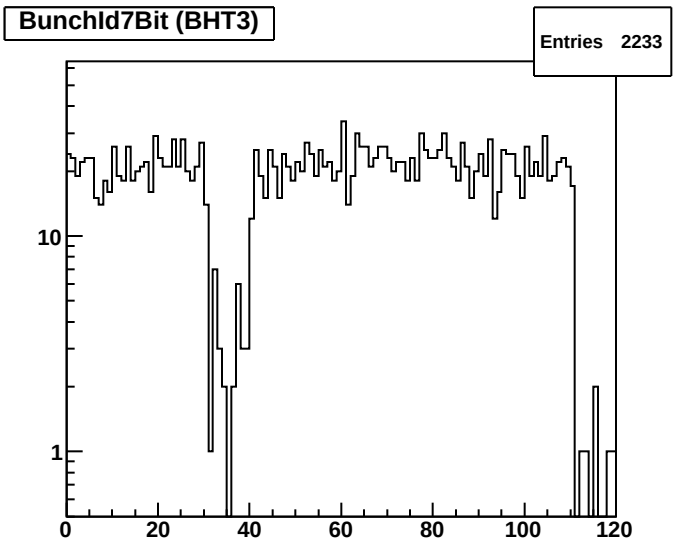

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

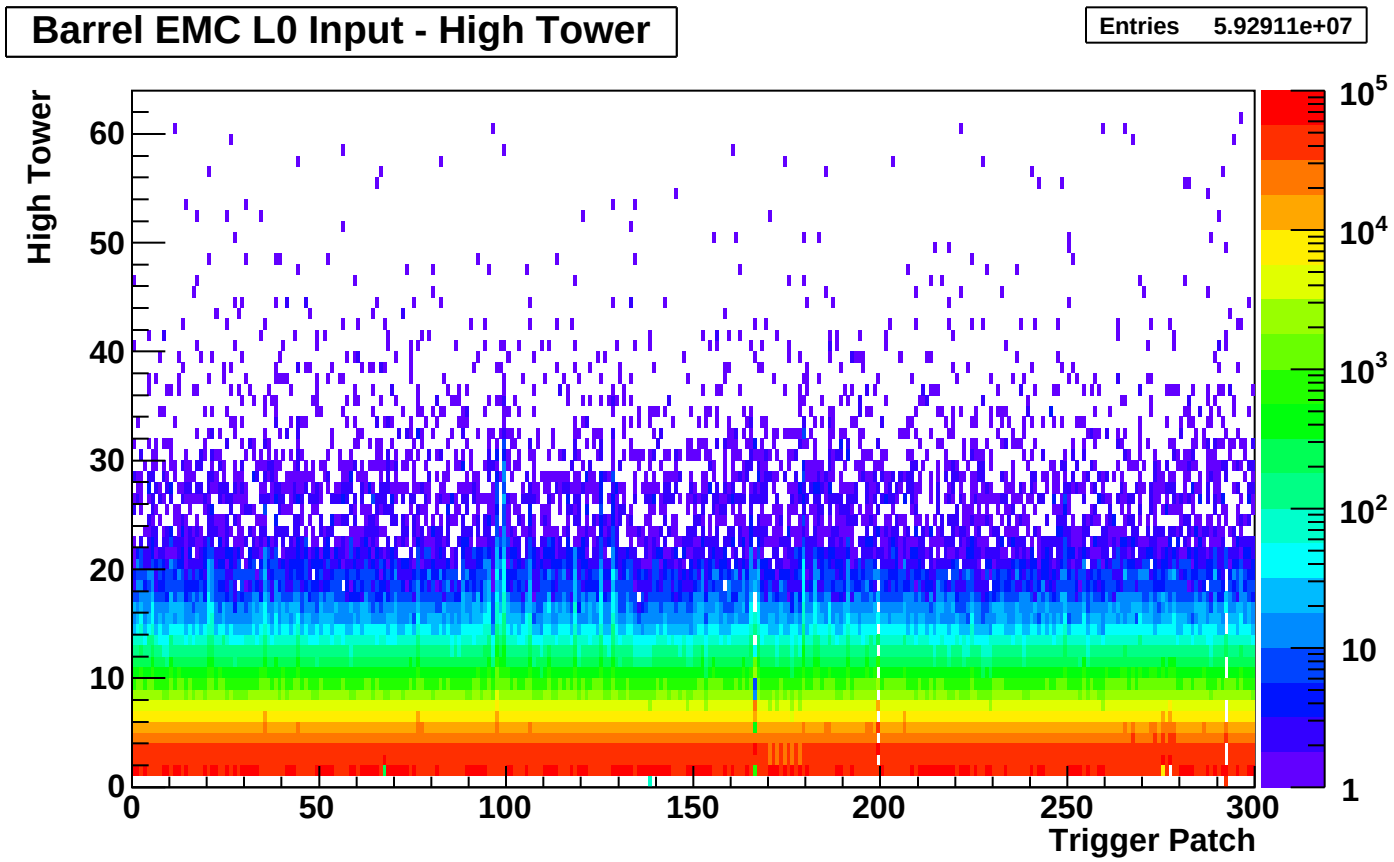

Last DSM Ch3 Input
Entries 2964555
LD301 Ch3
1
0
67421 16927 7918 2233 2585 447 155429 143710 153205 141600 159303 139318 152737 150710 149519
130216 180710 189719 195404 195052 197190 42208 53927 44432 56037 47334 50319 44900 46927 48118
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

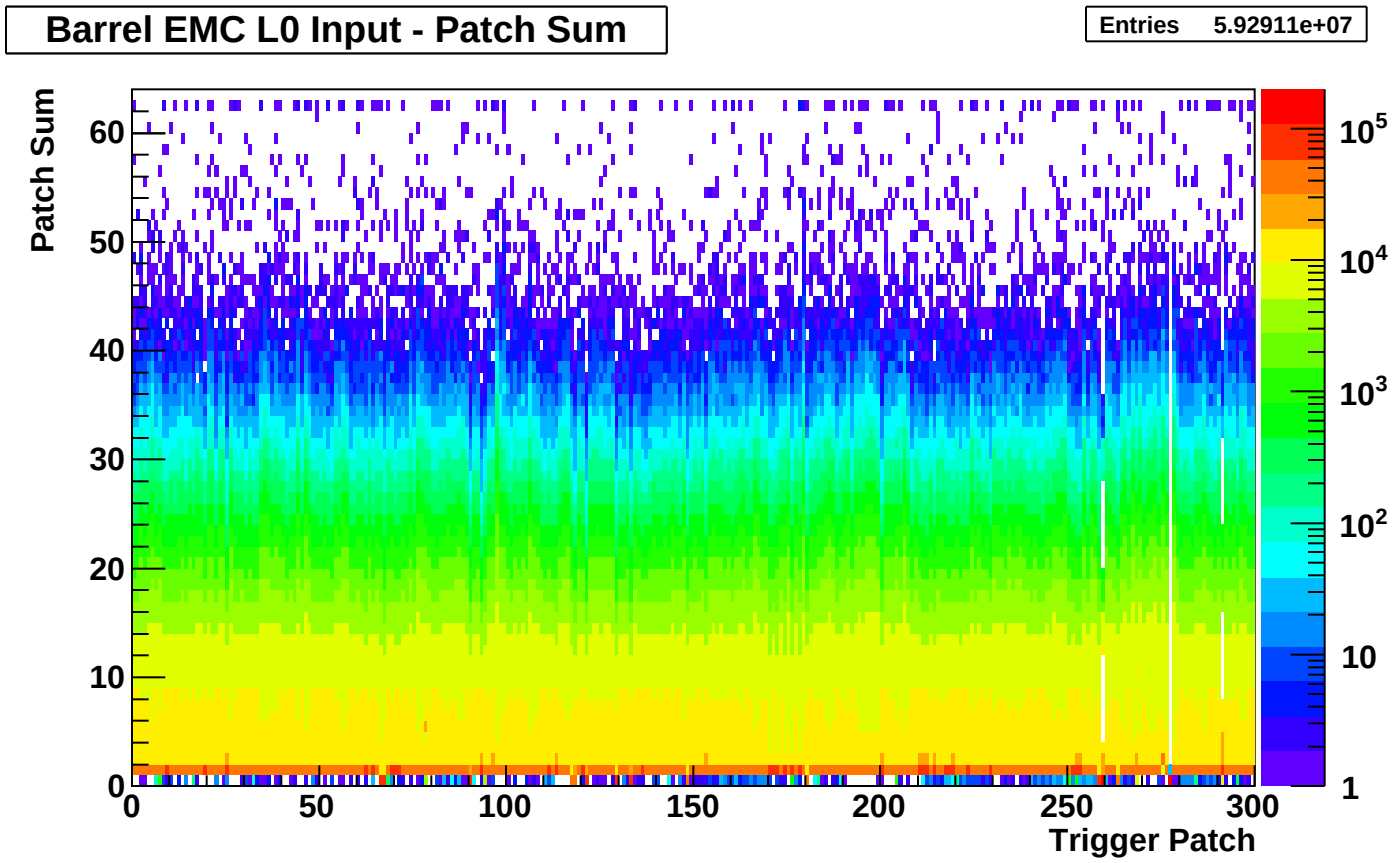

Last DSM Ch3 Input
Entries 96135
LD301 Ch3 - Simulated
1
0
-1
-2
42208 53927
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

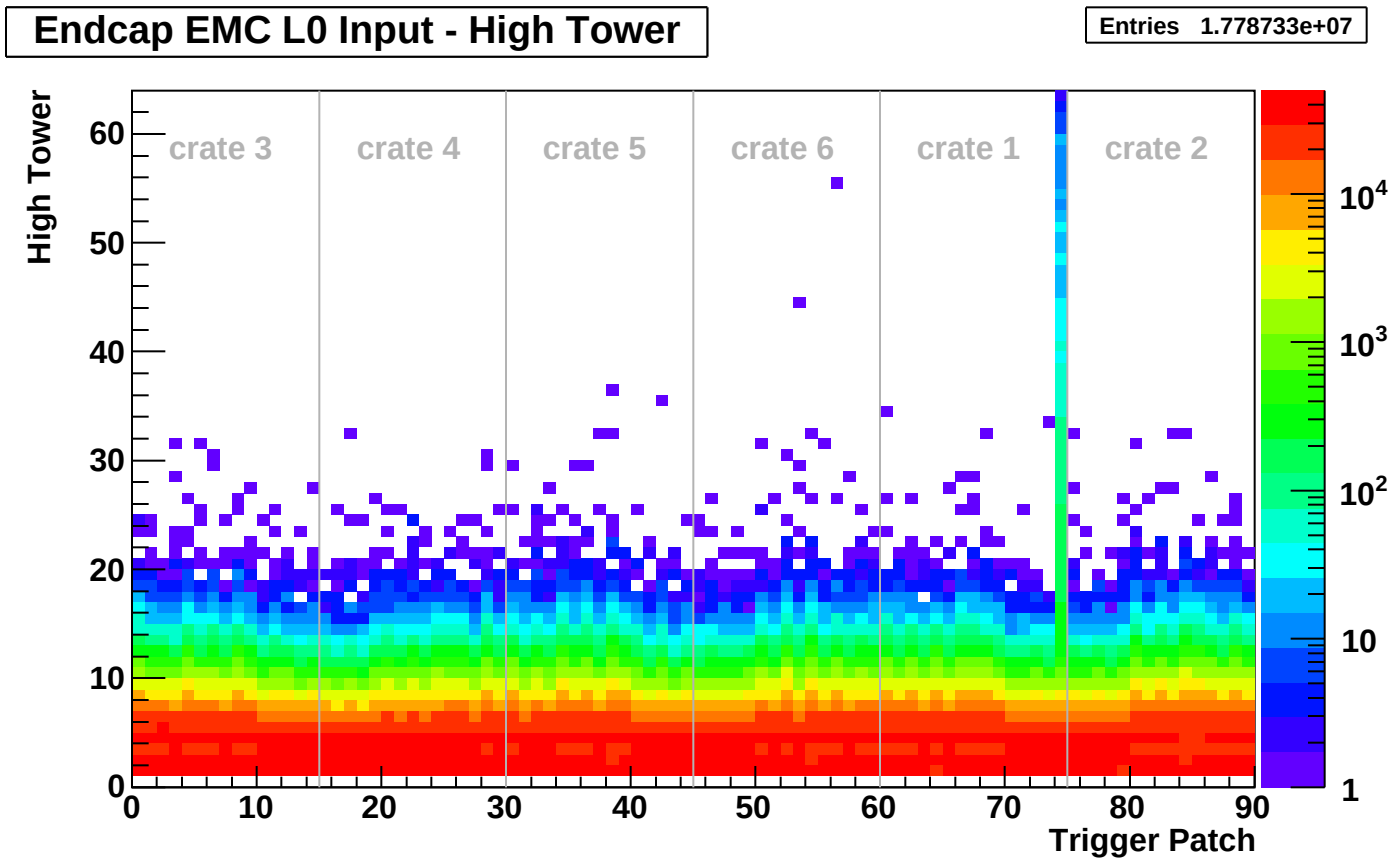

TCU bits
Entries 3162192
TCU bits
1
0
197637
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

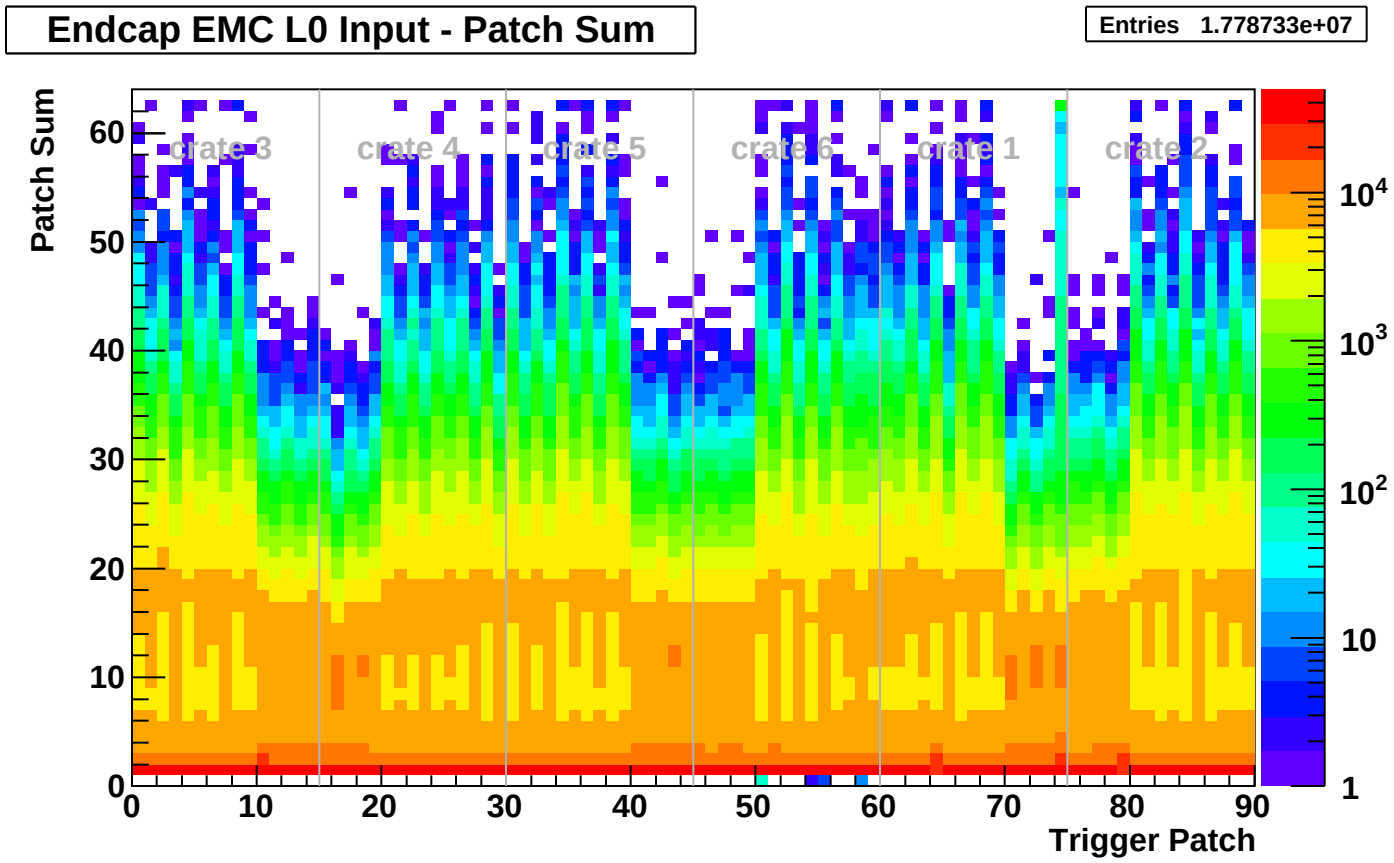

TCU bits
Entries 466525
TCU bits - Simulated
1
0
-1
-2
58412 16927 185855 2585 5109 197637
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

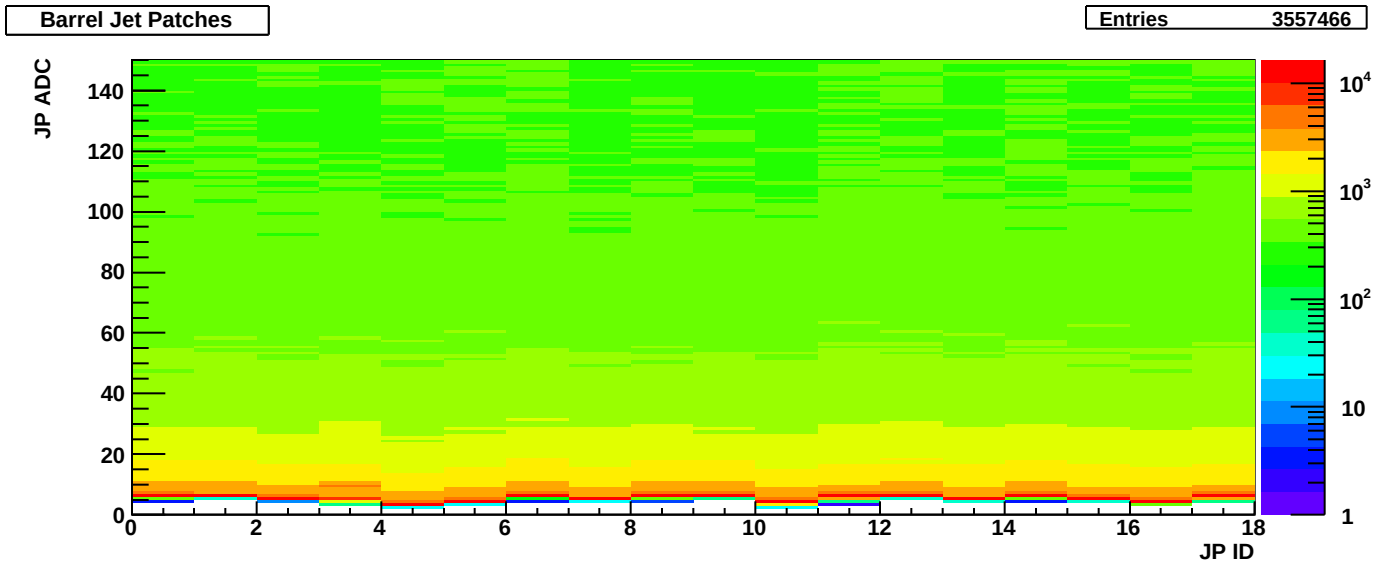

BunchId7Bit (BHT3)
Entries 2233
10
1
0 20 40 60 80 100 120

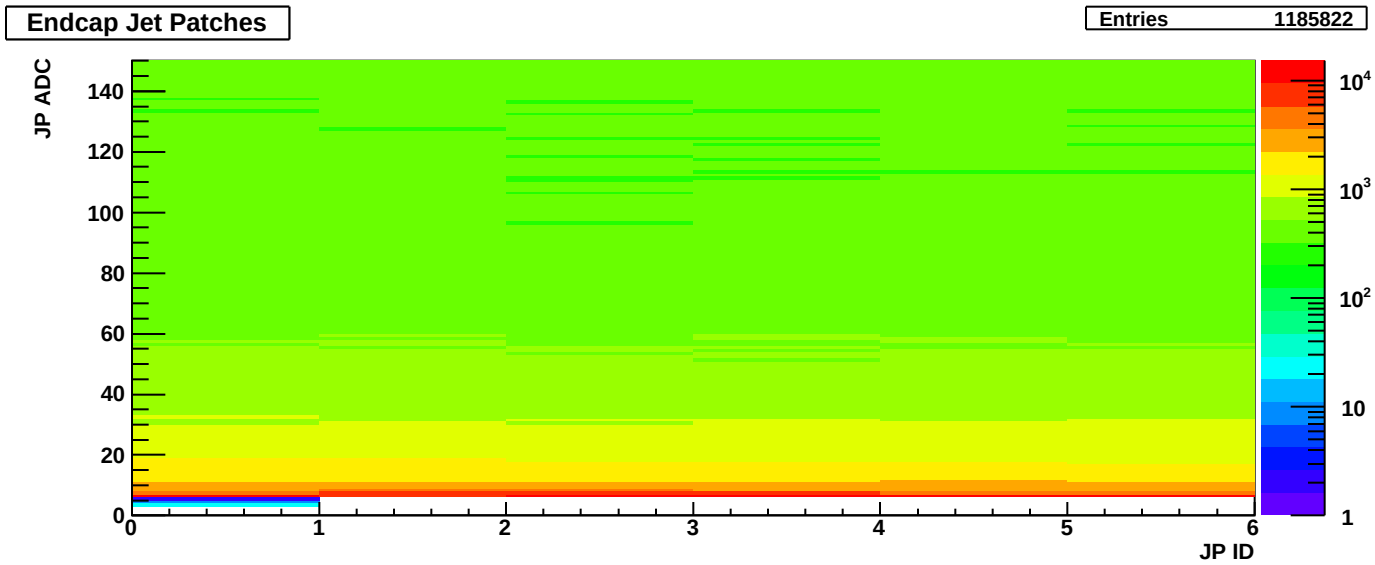

Barrel EMC L0 Input - High Tower
Entries 5.92911e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

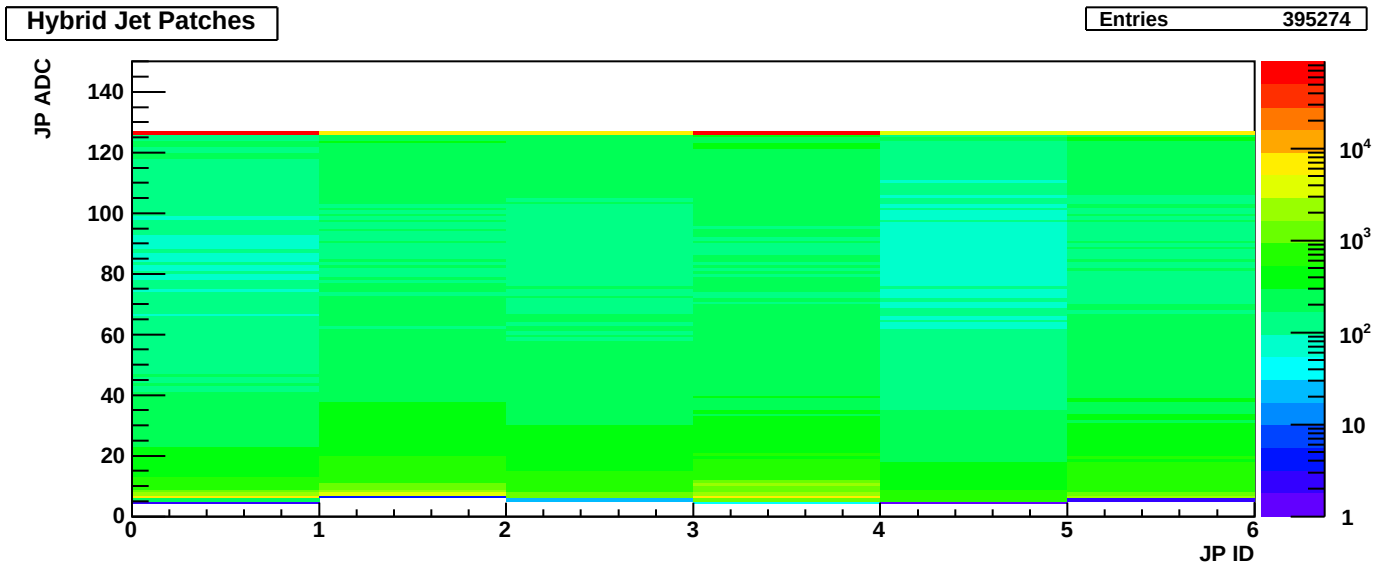

Barrel EMC L0 Input - Patch Sum
Entries 5.92911e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5


Endcap EMC L0 Input - High Tower
Entries 1.778733e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch


Endcap EMC L0 Input - Patch Sum
Entries 1.778733e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

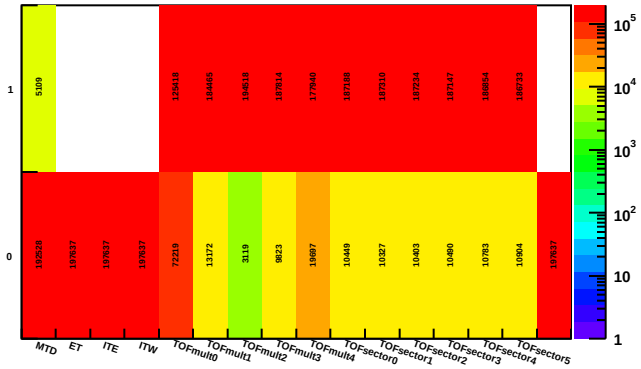

Barrel Jet Patches
Entries 3557466
JP ADC
JP ID


Endcap Jet Patches
Entries 1185822
JP ADC
JP ID


Hybrid Jet Patches
Entries 395274
JP ADC
JP ID

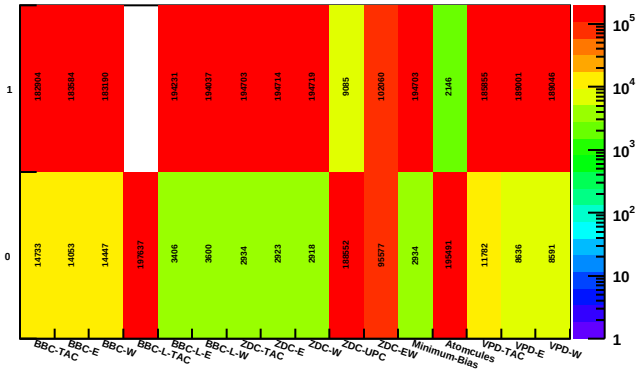
TF201 0-15 (ch0)

Entries 3162192



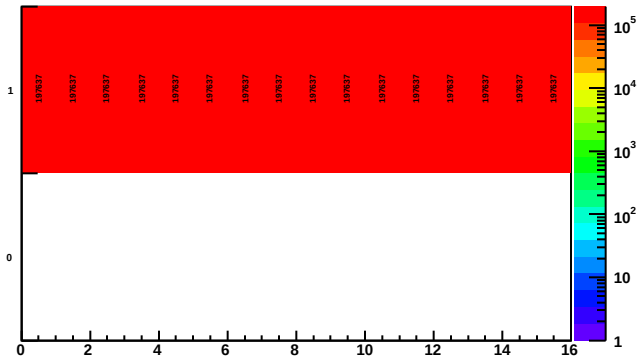
VT201 0-15 (ch1)

Entries 3162192



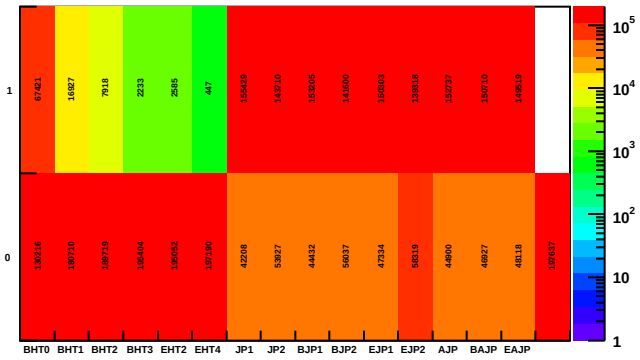
Unused (ch2)

Entries 3162192



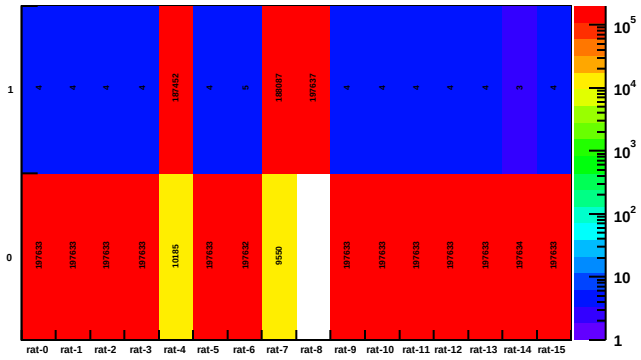
EM201 0-15 (ch3)

Entries 3162192



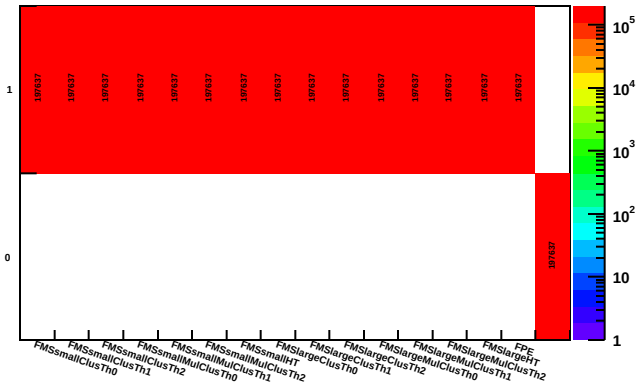
RAT board (ch4)

Entries 3162192



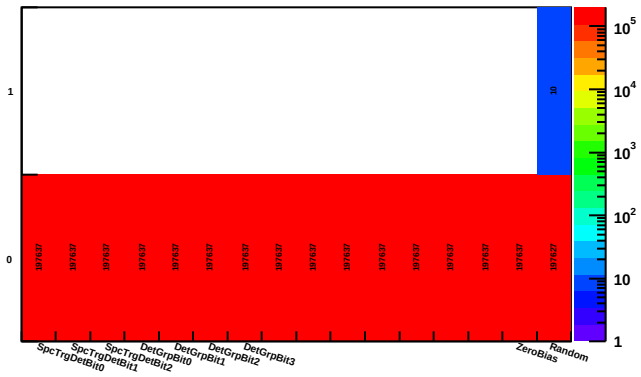
FP201 0-15 (ch5)

Entries 3162192



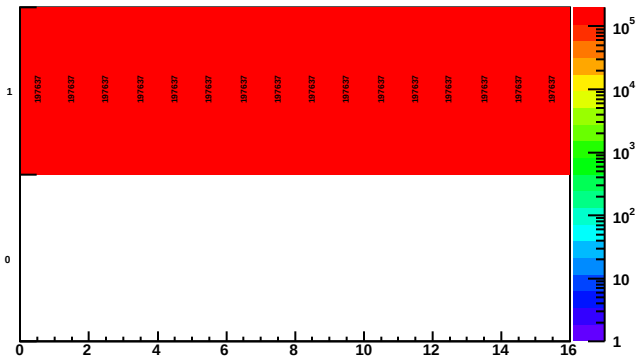
ST201 0-15 (ch6)

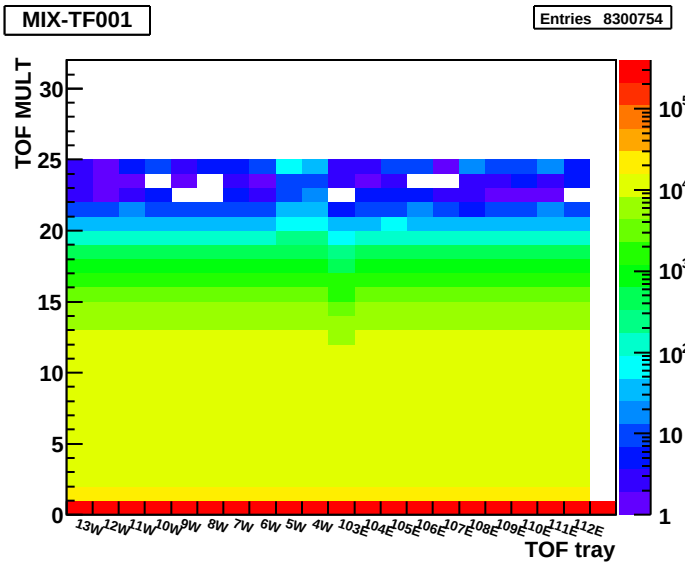
Entries 3162192

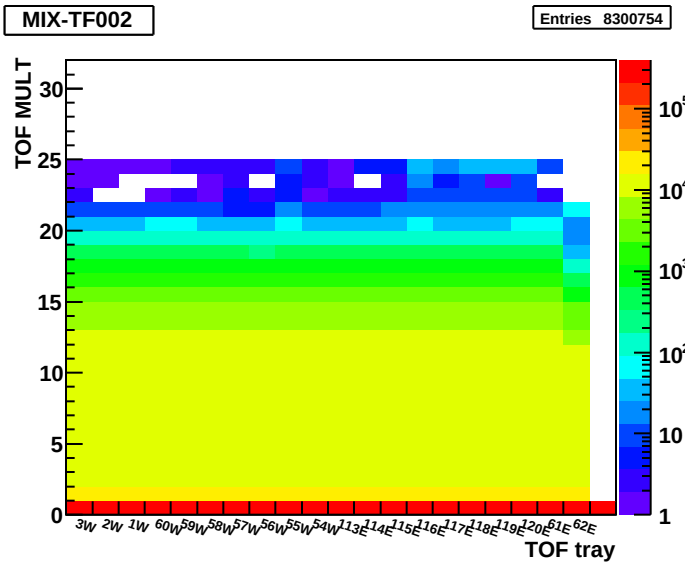


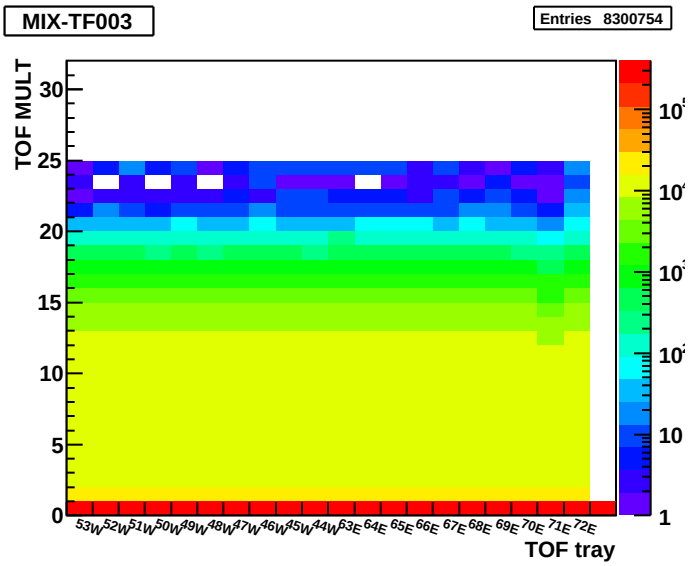
Unused (ch7)

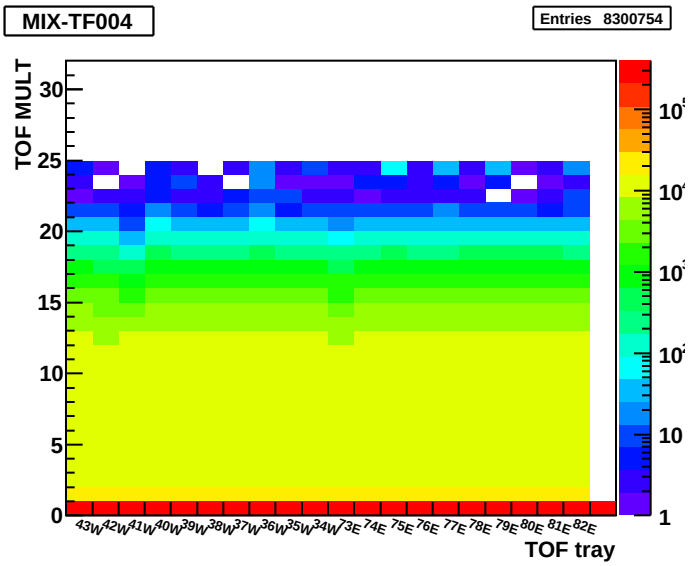
Entries 3162192

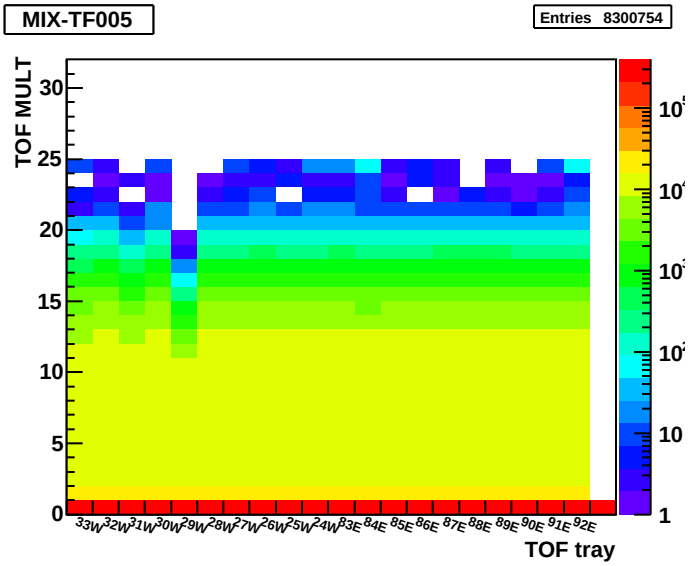


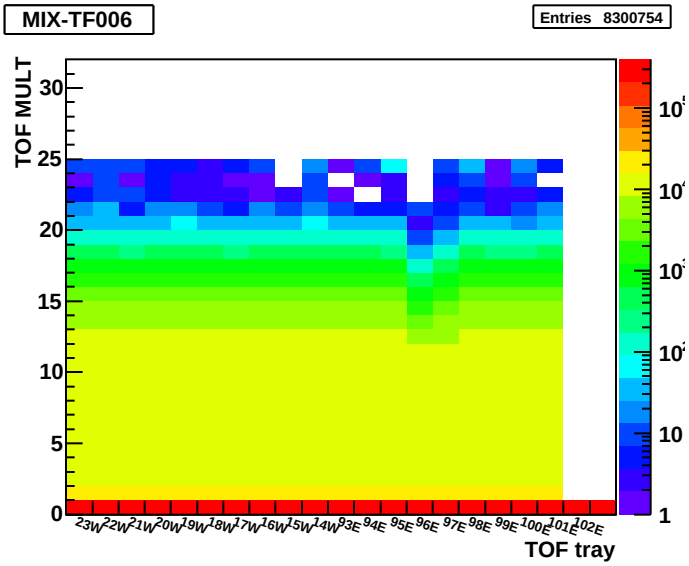

MIX-TF001
Entries 8300754
TOF MULT
TOF tray

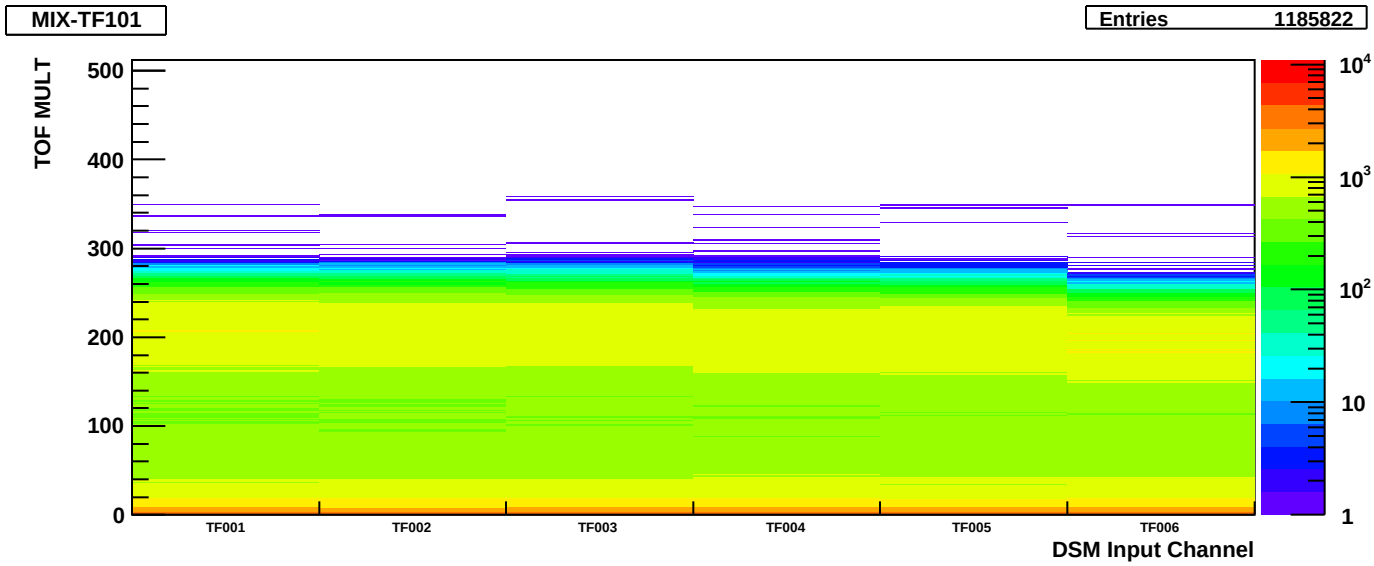

MIX-TF002
Entries 8300754
TOF MULT
TOF tray

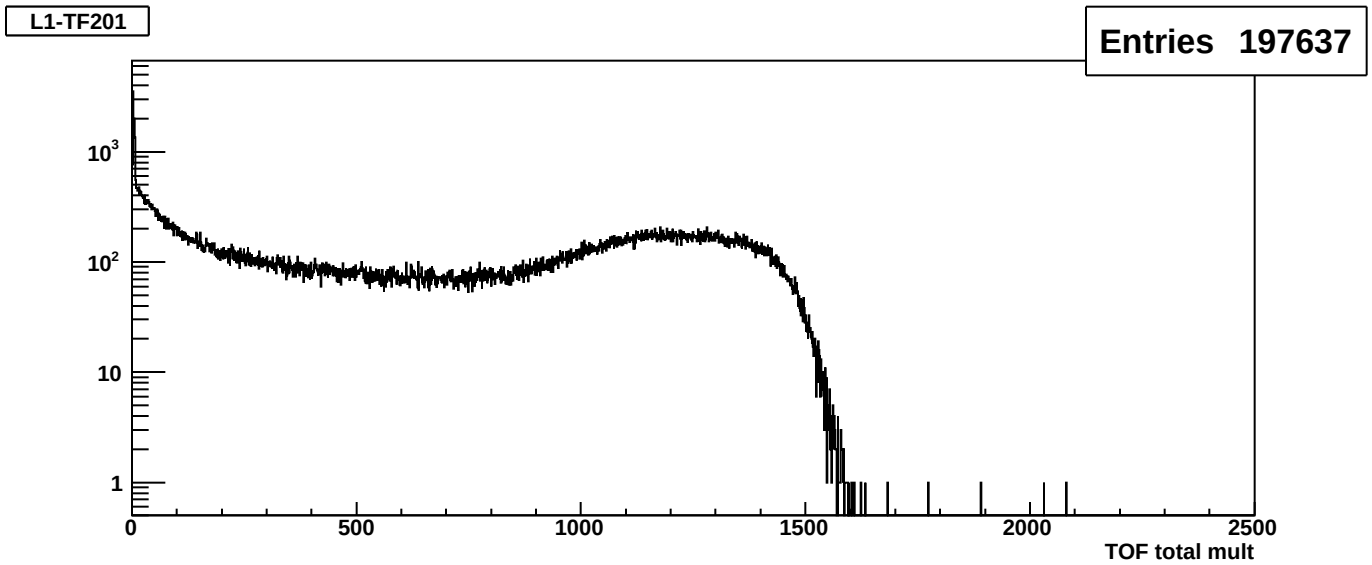

MIX-TF003
Entries 8300754
TOF MULT
TOF tray

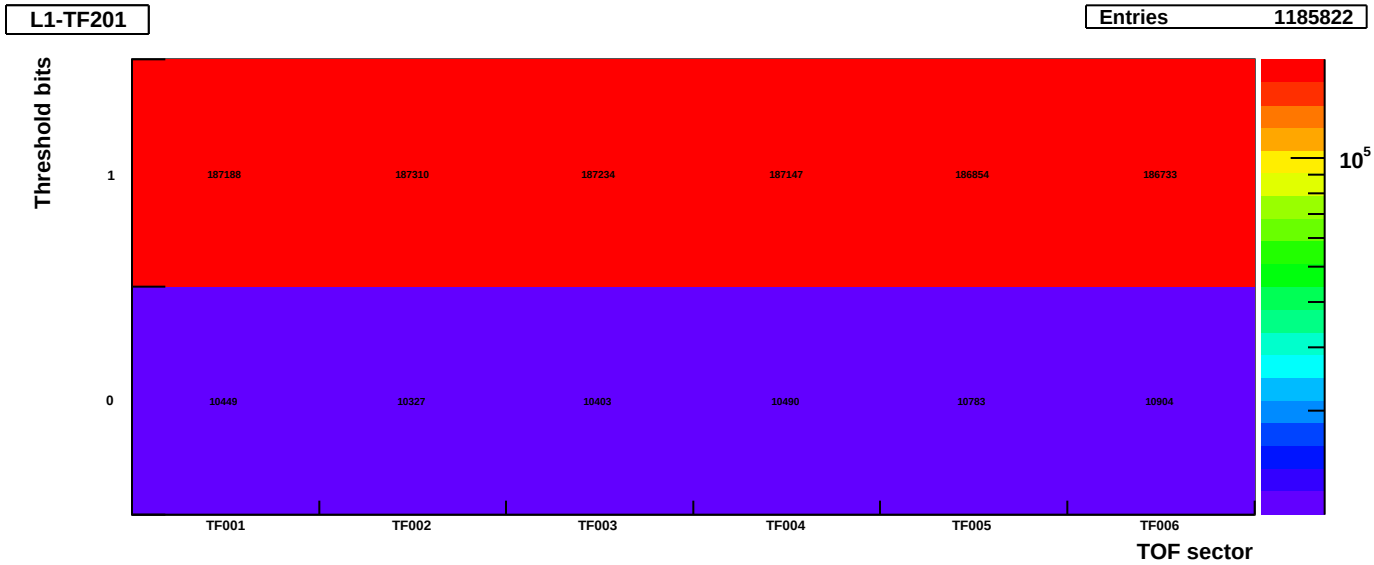

MIX-TF004
Entries 8300754
TOF MULT
TOF tray

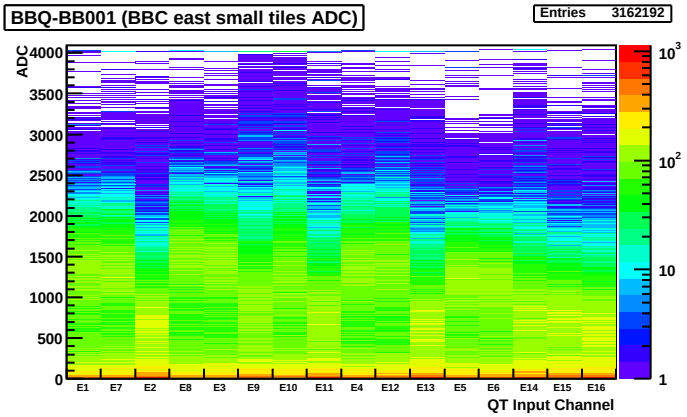

MIX-TF005
Entries 8300754
TOF MULT
TOF tray

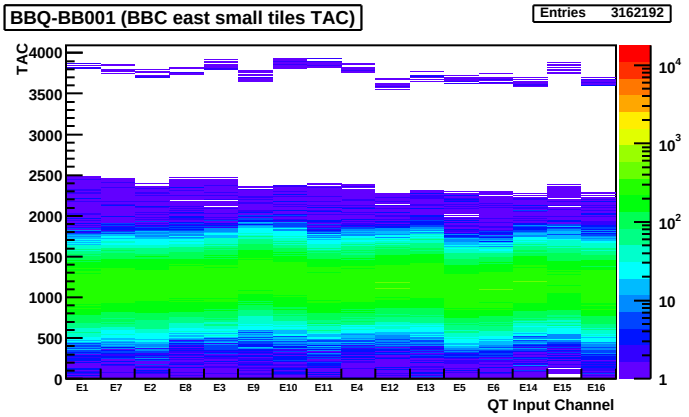

MIX-TF006
Entries 8300754
TOF MULT
TOF tray

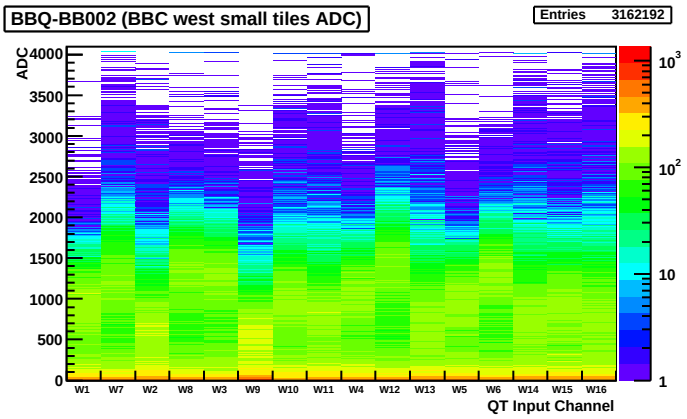

MIX-TF101
Entries 1185822
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

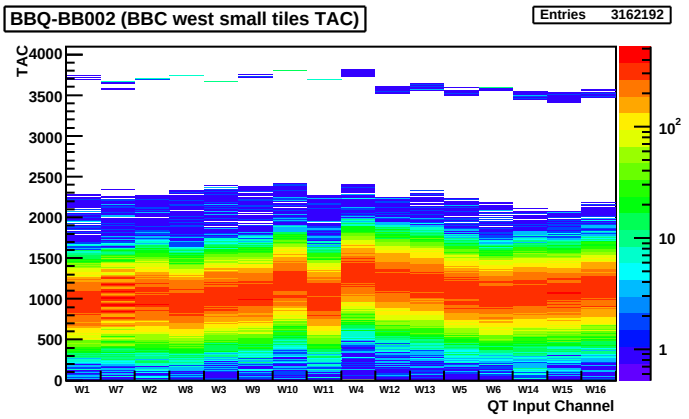

L1-TF201
Entries 197637
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

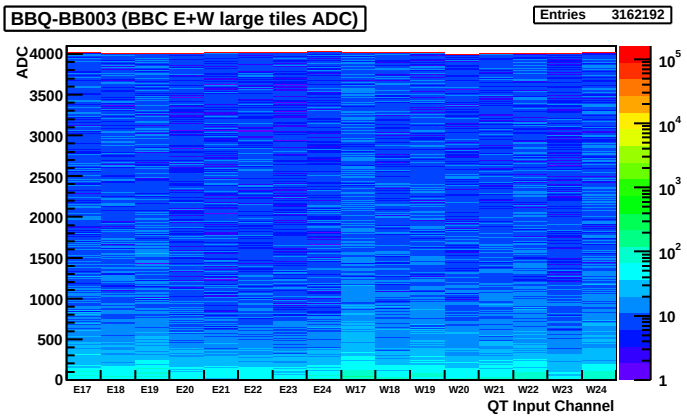

L1-TF201
Entries 1185822
Threshold bits
1
0
187188
187310
187234
187147
186854
186733
10449
10327
10403
10490
10783
10904
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

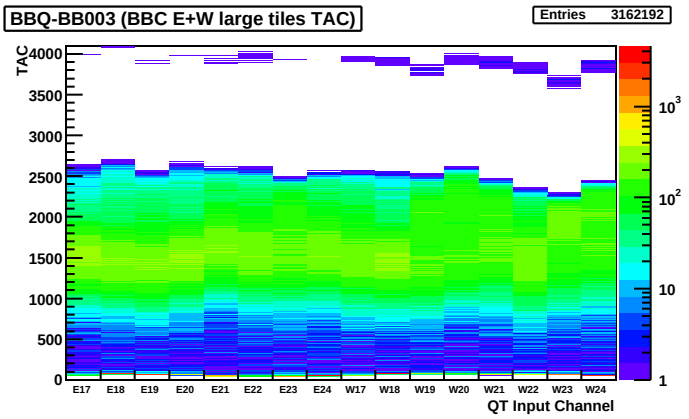

BBQ-BB001 (BBC east small tiles ADC)
Entries 3162192
ADC
QT Input Channel

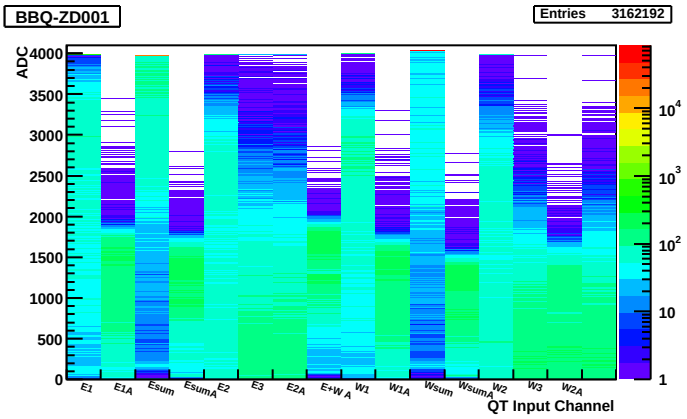

BBQ-BB001 (BBC east small tiles TAC)
Entries 3162192
TAC
QT Input Channel

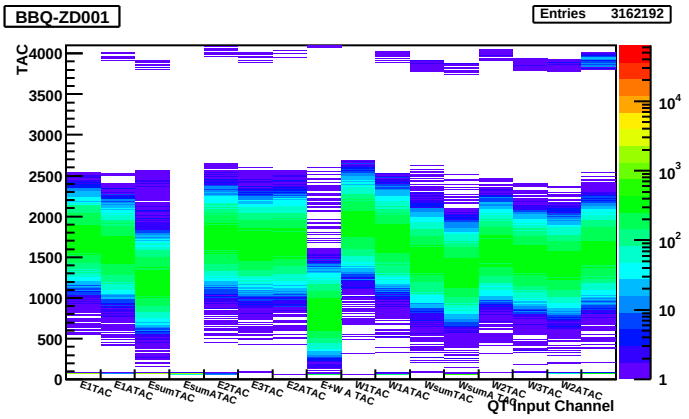

BBQ-BB002 (BBC west small tiles ADC)
Entries 3162192
ADC
QT Input Channel

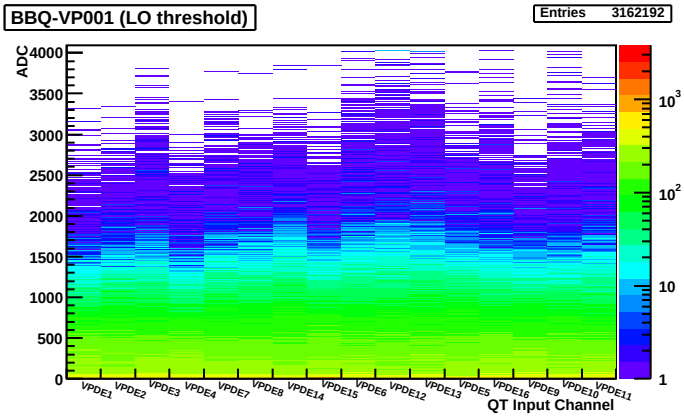

BBQ-BB002 (BBC west small tiles TAC)
Entries 3162192
TAC
QT Input Channel

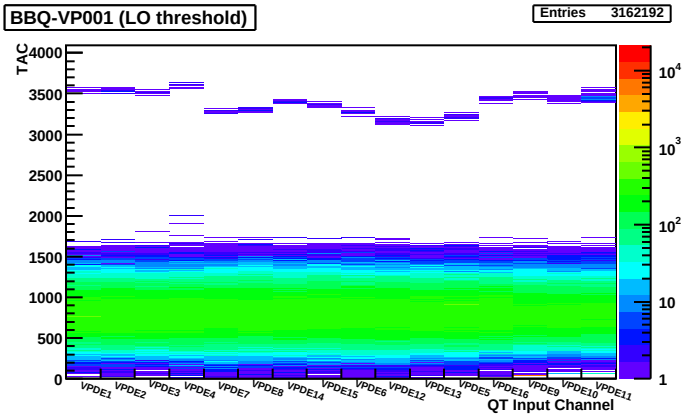

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 3162192
ADC
QT Input Channel

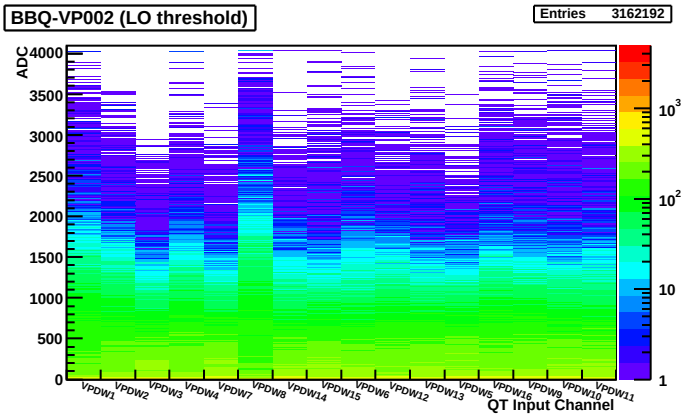

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 3162192
TAC
QT Input Channel

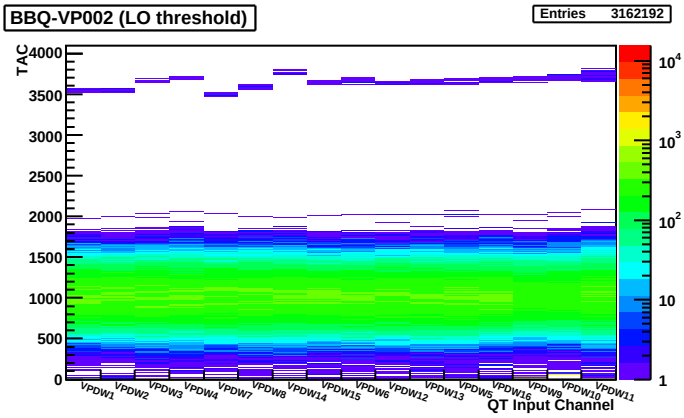

BBQ-ZD001
Entries 3162192
ADC
QT Input Channel

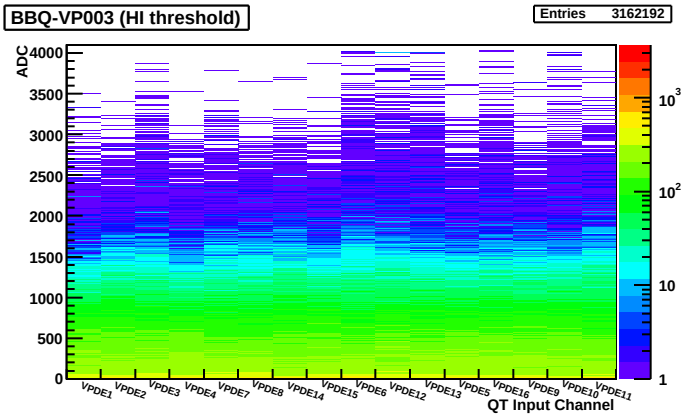

BBQ-ZD001
Entries 3162192
TAC
QT Input Channel

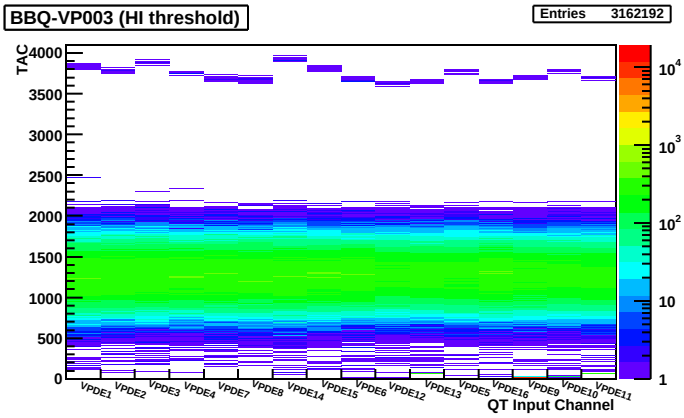

BBQ-VP001 (LO threshold)
Entries 3162192
ADC
QT Input Channel

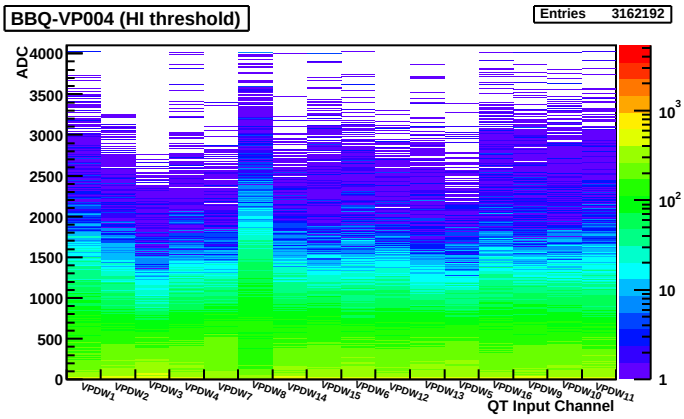

BBQ-VP001 (LO threshold)
Entries 3162192
TAC
QT Input Channel

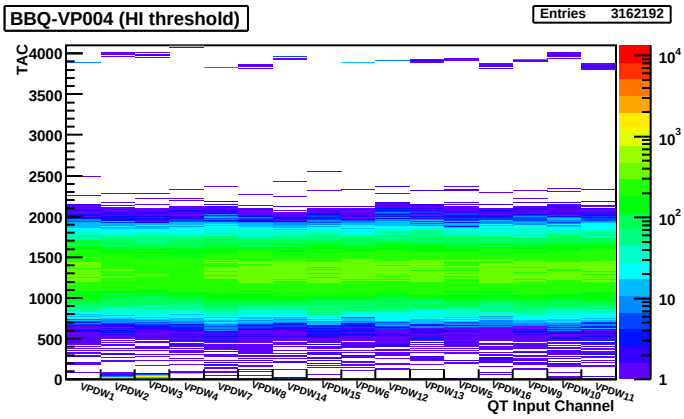

BBQ-VP002 (LO threshold)
Entries 3162192
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 3162192
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3162192
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 3162192
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3162192
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 3162192
TAC
QT Input Channel