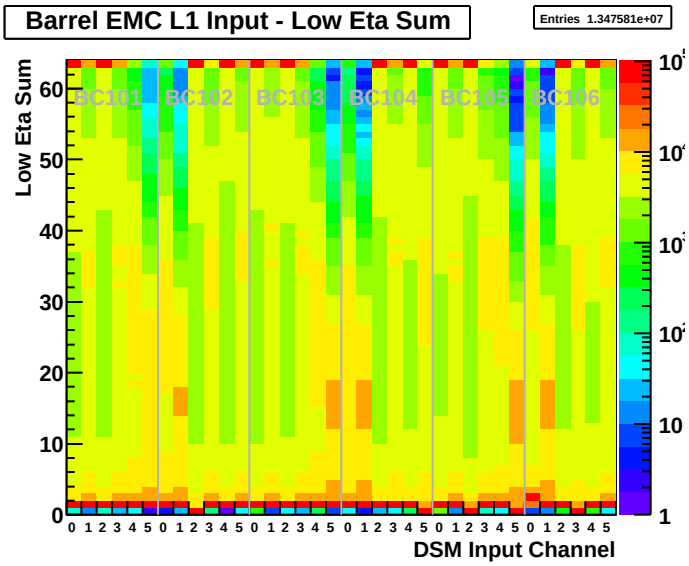
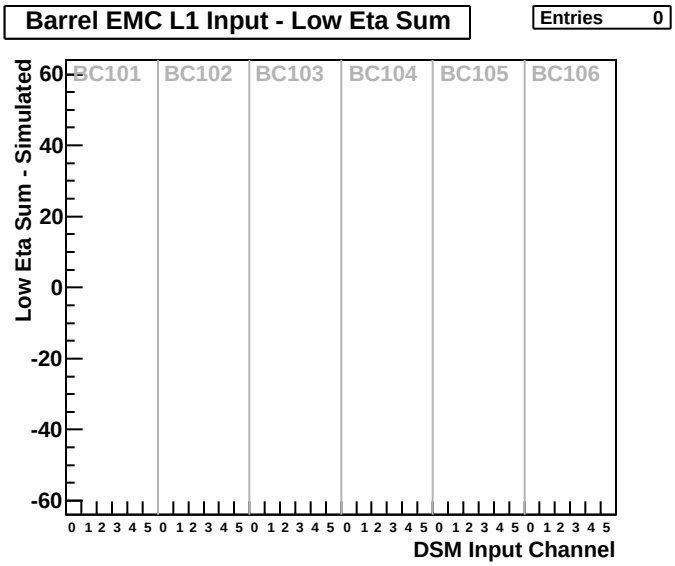
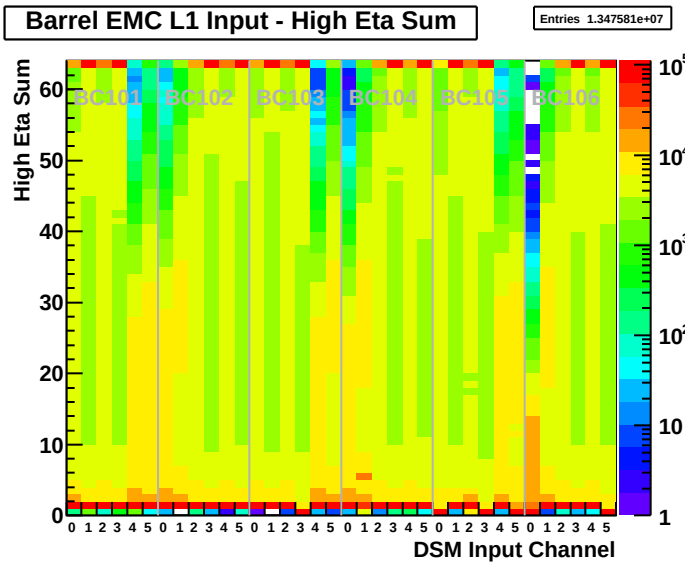
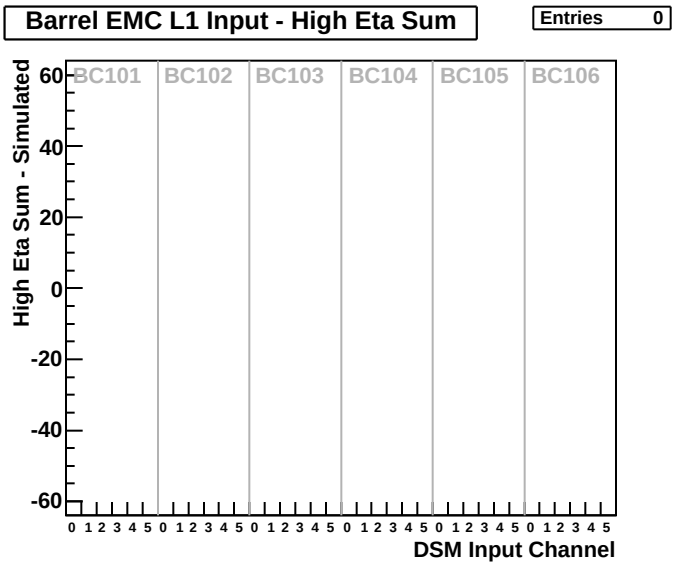
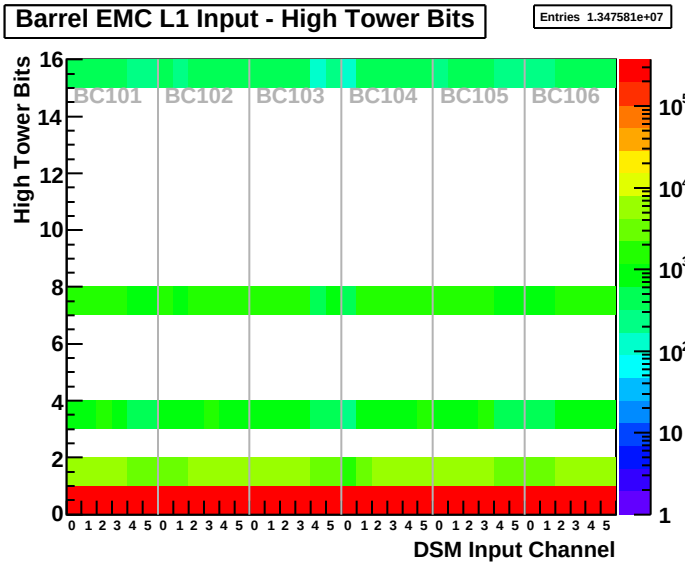
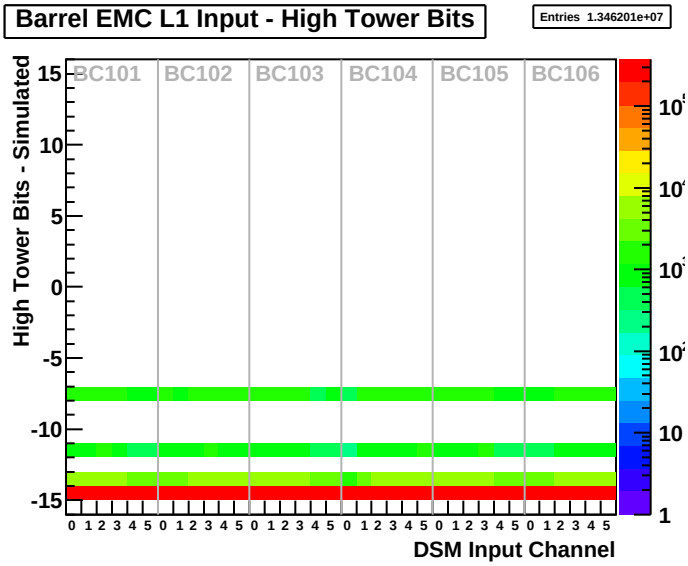

Barrel EMC L1 Input - Low Eta Sum
Entries 1.347581e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

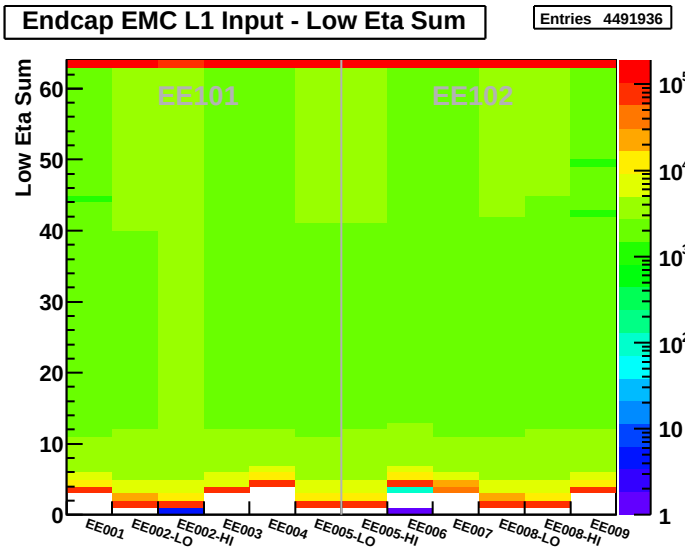

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

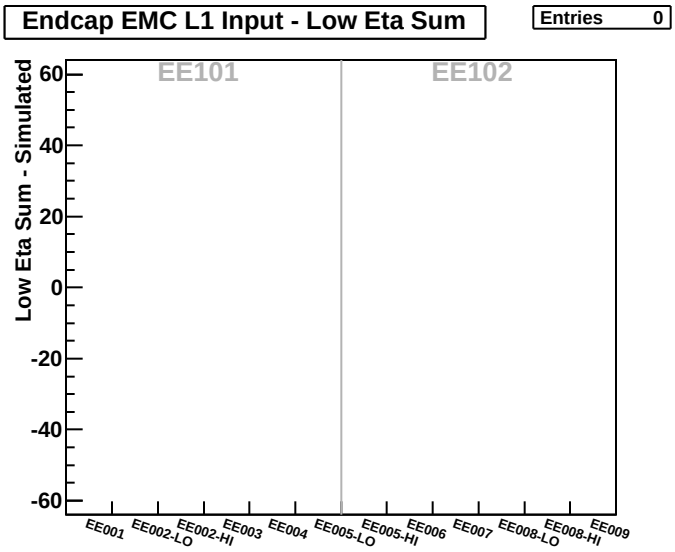

Barrel EMC L1 Input - High Eta Sum
Entries 1.347581e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

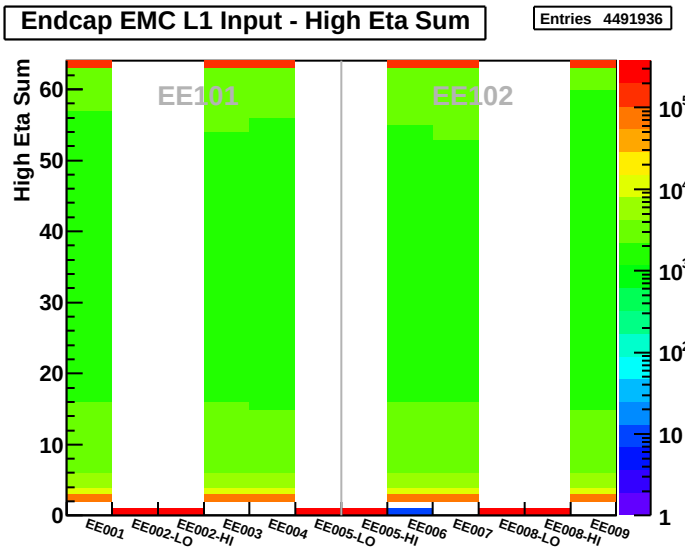

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

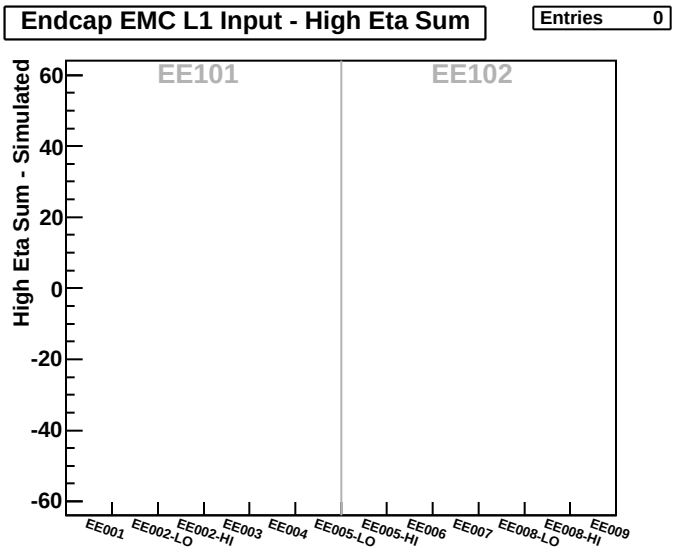

Barrel EMC L1 Input - High Tower Bits
Entries 1.347581e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

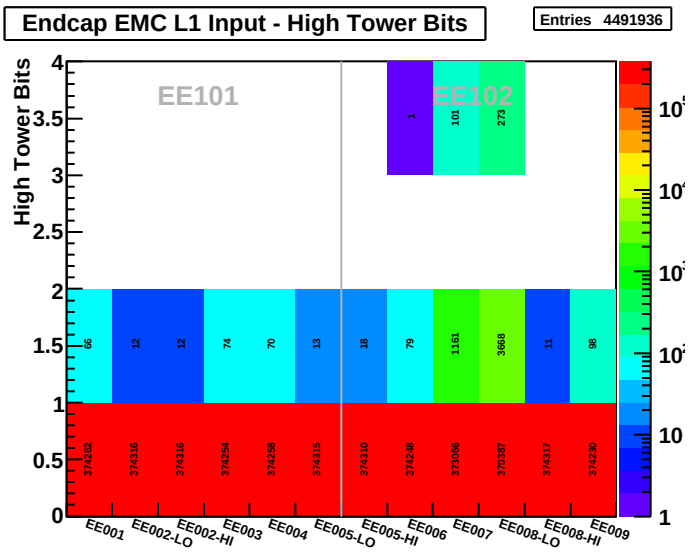

Barrel EMC L1 Input - High Tower Bits
Entries 1.346201e+07
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

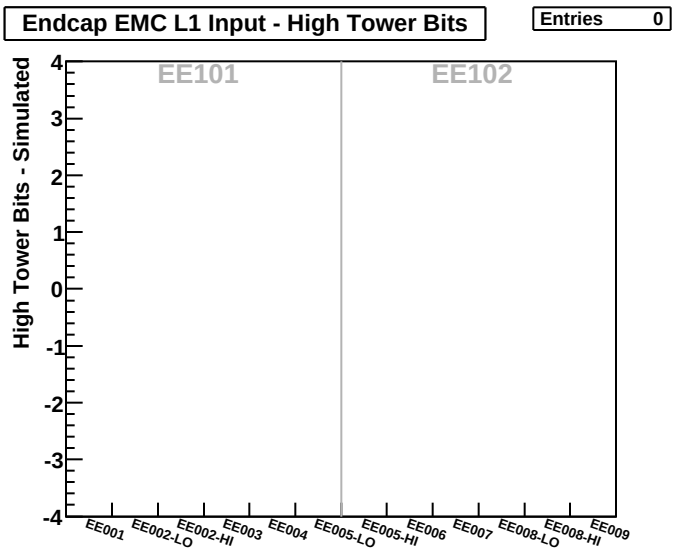

Endcap EMC L1 Input - Low Eta Sum
Entries 4491936
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

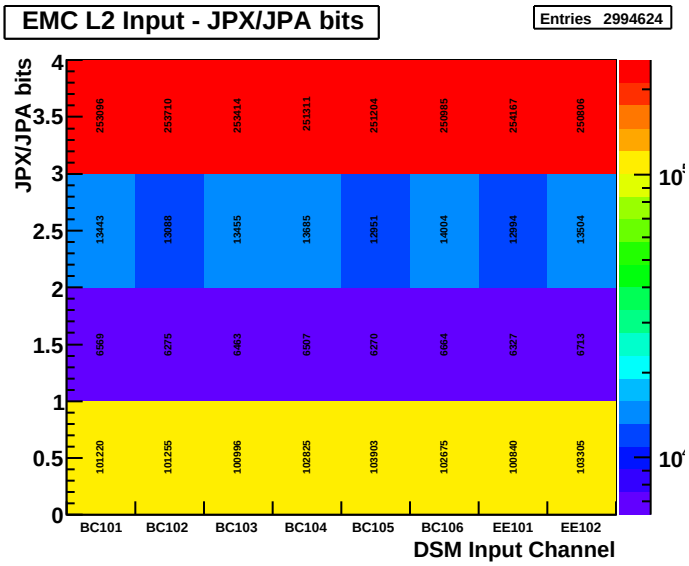

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

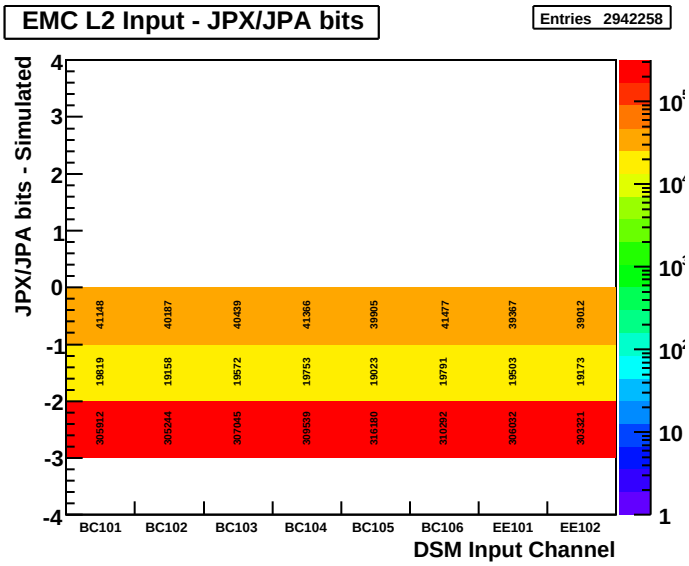

Endcap EMC L1 Input - High Eta Sum
Entries 4491936
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

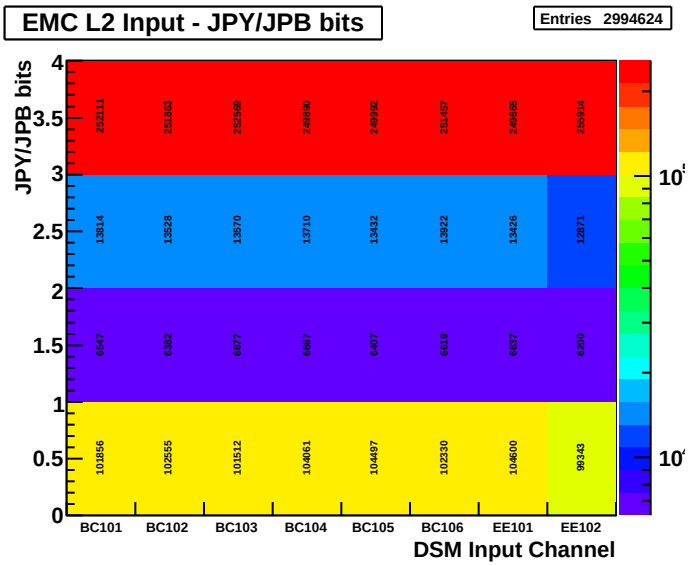

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

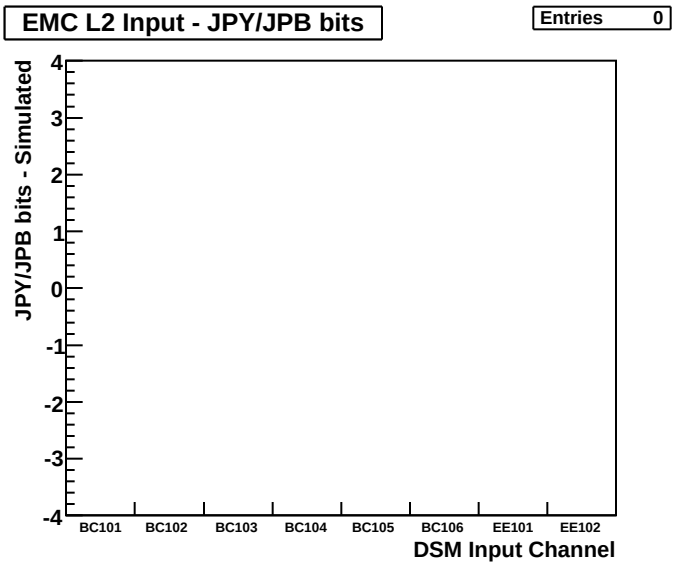

Endcap EMC L1 Input - High Tower Bits
Entries 4491936
High Tower Bits
EE101
EE102
66 12 12 74 70 13 18 79 1161 3668 11 98
1 101 273
374262 374316 374316 374254 374258 374315 374310 374248 373066 370387 374317 374230
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

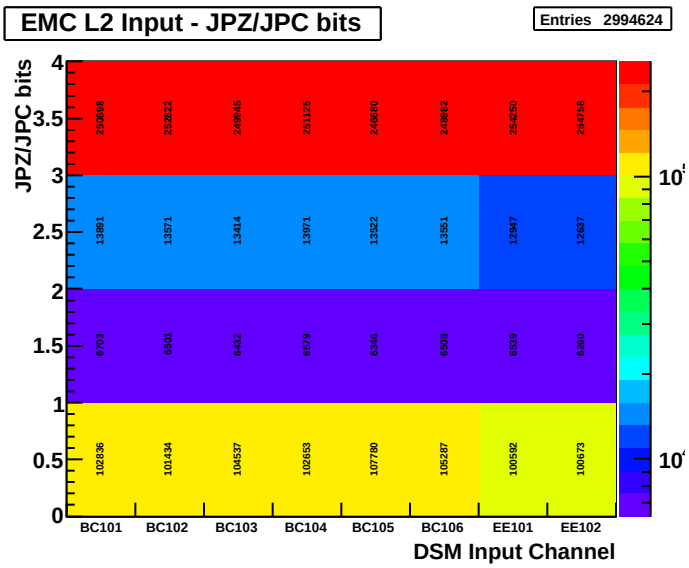

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

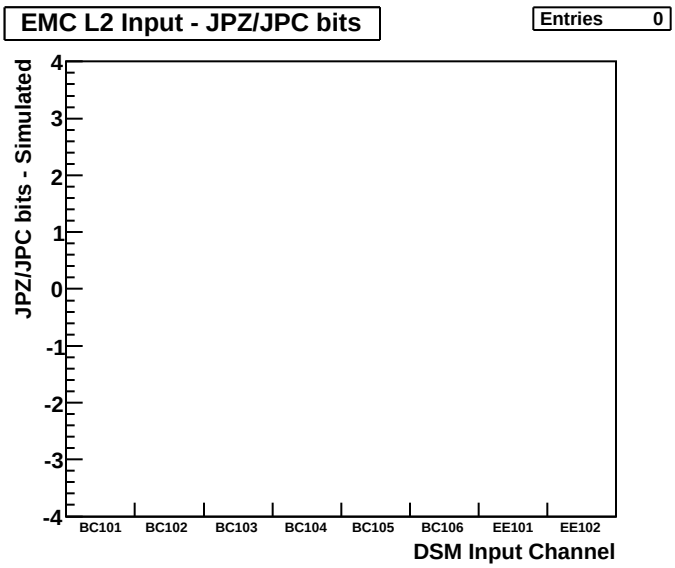

EMC L2 Input - JPX/JPA bits
Entries 2994624
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
253096 253710 253414 251311 251204 250985 254167 250806
13443 13088 13455 13685 12951 14004 12994 13504
6569 6275 6463 6507 6270 6564 6327 6713
101220 101255 100996 102825 103903 102675 100840 103305

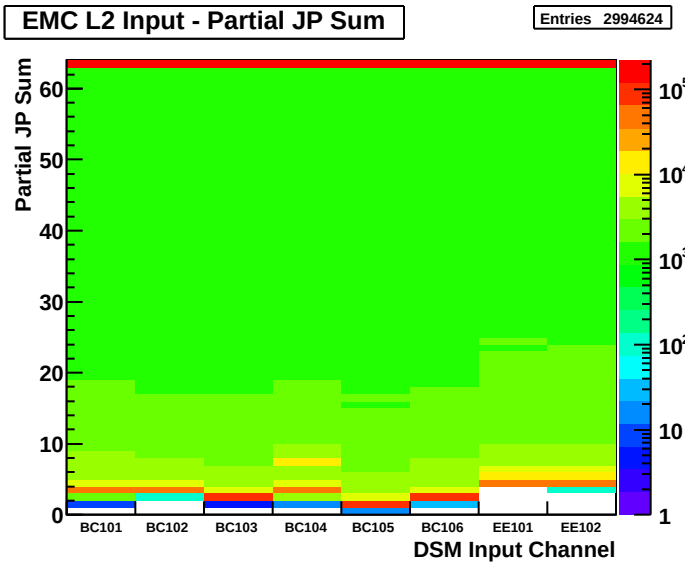

EMC L2 Input - JPX/JPA bits
Entries 2942258
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
41148 40187 40439 41366 39905 41477 39367 39012
19819 19158 19572 19753 19023 19791 19503 19173
305912 305244 307045 309539 316180 310292 306032 303321

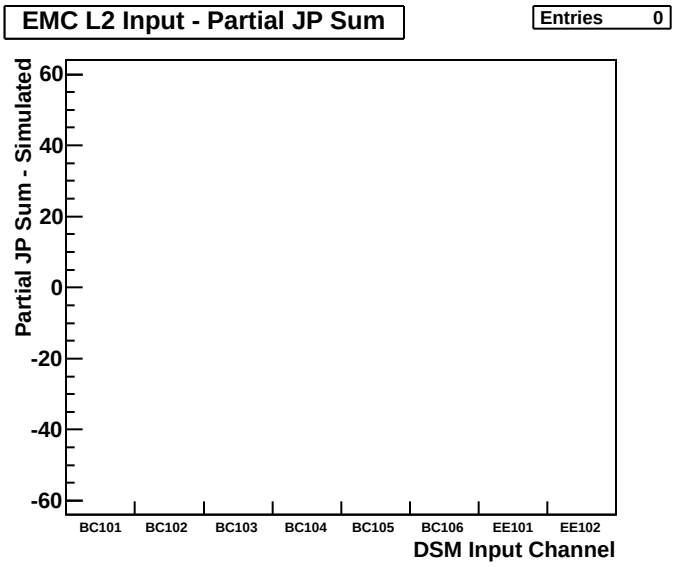

EMC L2 Input - JPY/JPB bits
Entries 2994624
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
252111 251863 252589 249830 249932 251457 248665 25914
13814 13528 13570 13710 13432 13922 13426 12371
6347 6382 6677 6657 6407 6619 6637 6200
101856 102555 101512 104061 104497 102330 104600 99343

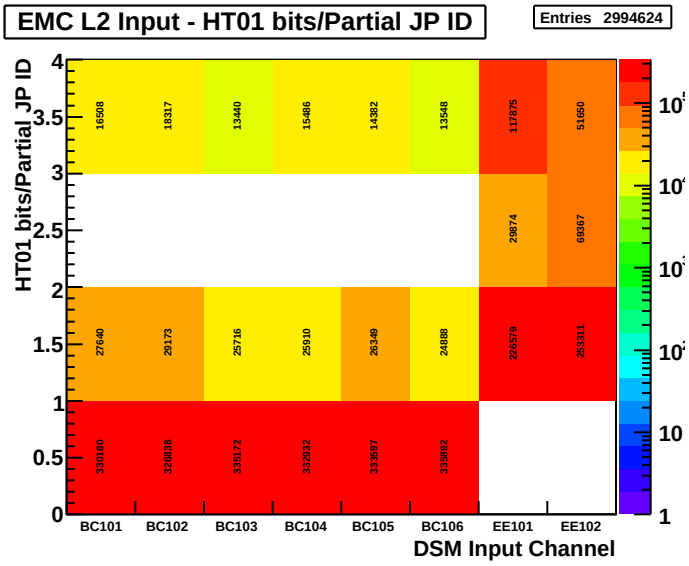

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

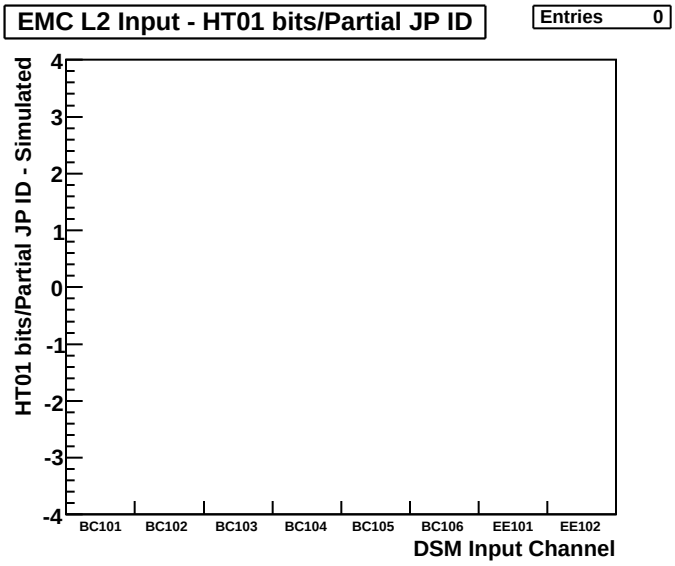

EMC L2 Input - JPZ/JPC bits
Entries 2994624
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
250698 252822 249945 251125 246680 249982 254250 254758
13891 13571 13414 13971 13522 13551 12947 12637
6703 6501 6432 6579 6346 6508 6539 6260
102836 101434 104537 102653 107780 105287 100592 100673

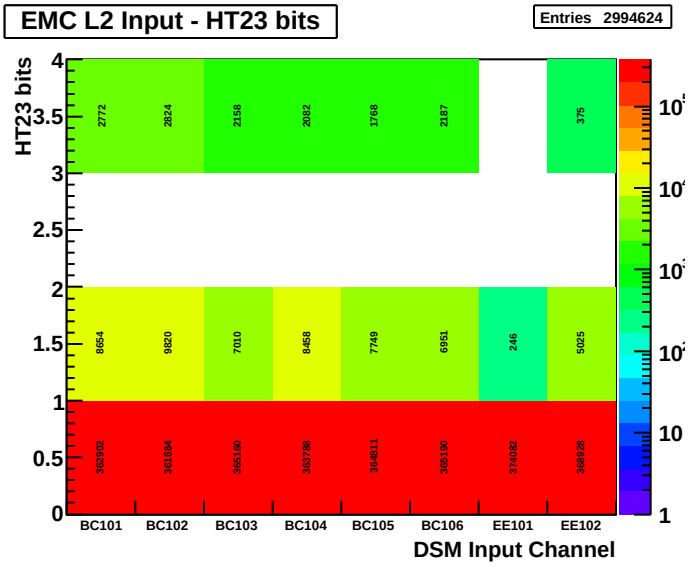

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

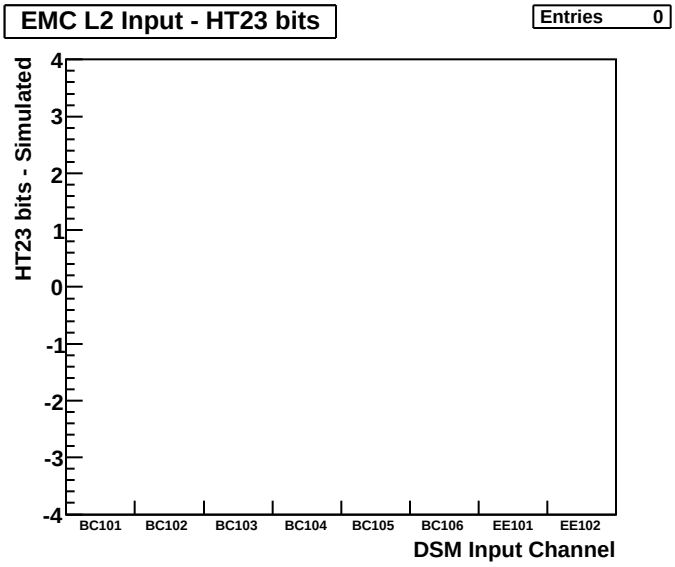

EMC L2 Input - Partial JP Sum
Entries 2994624
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

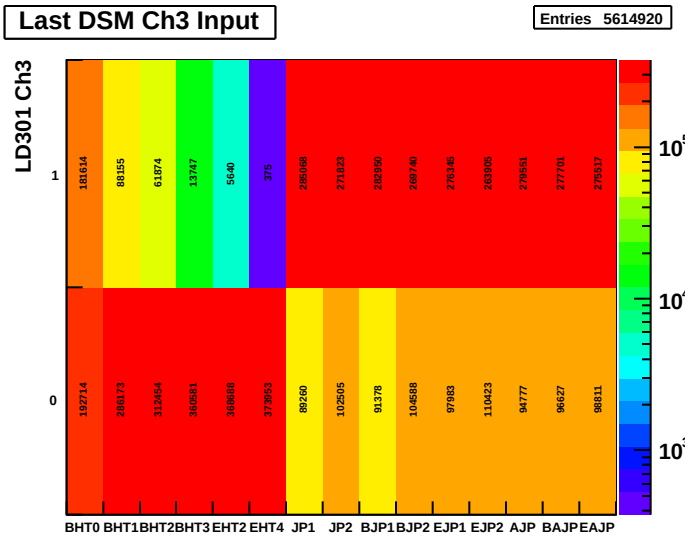

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

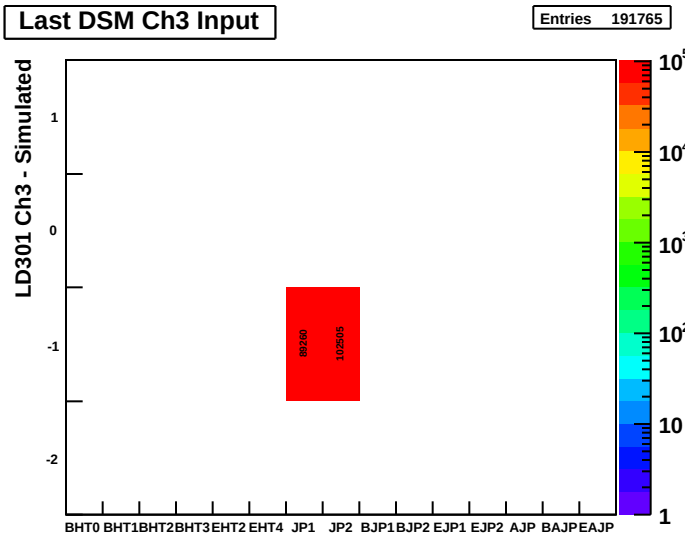

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2994624
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

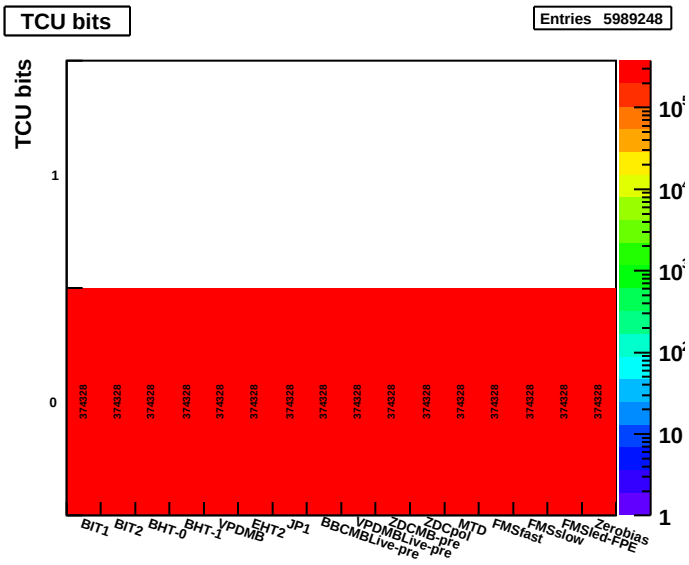

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

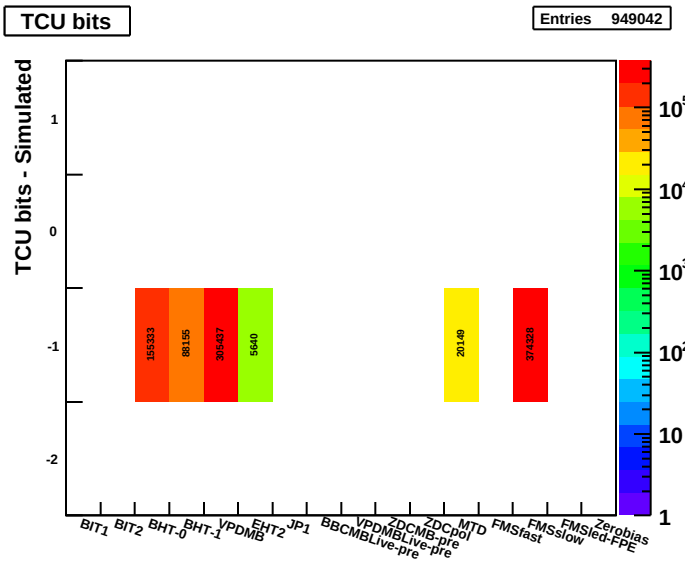

EMC L2 Input - HT23 bits
Entries 2994624
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

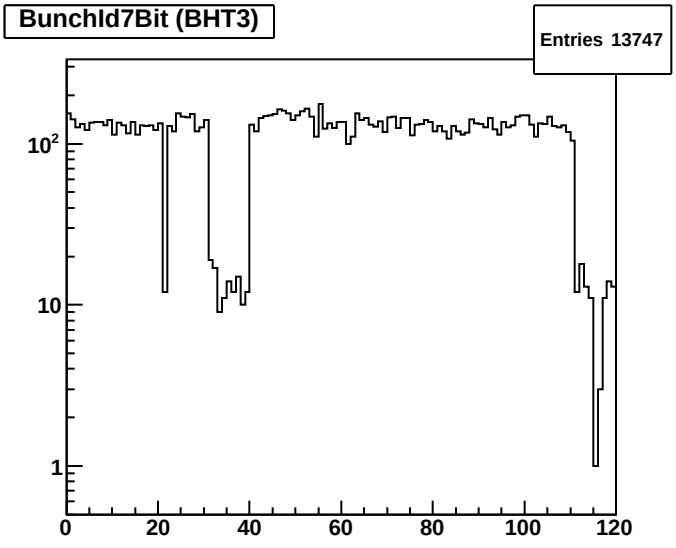

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

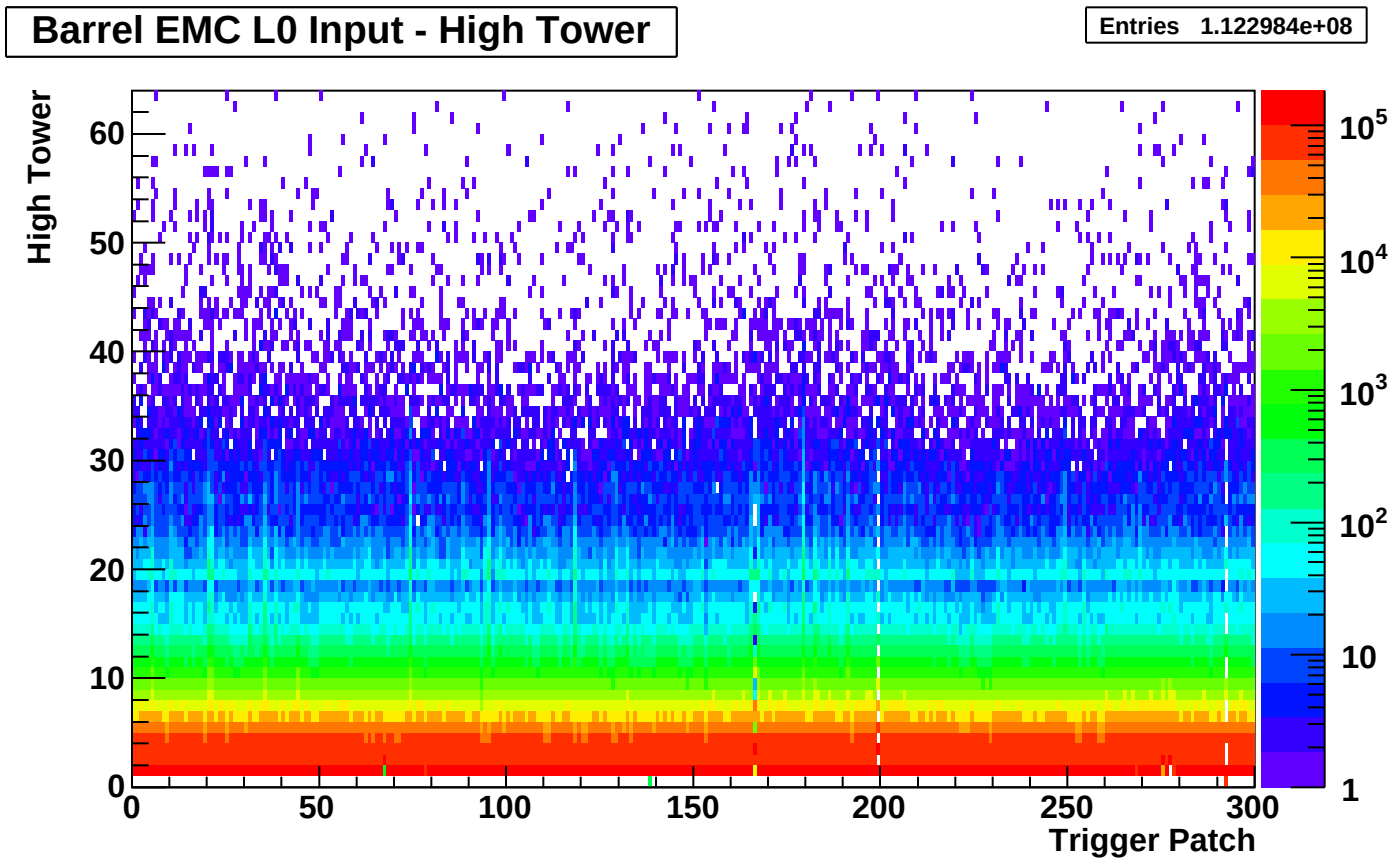

Last DSM Ch3 Input
Entries 5614920
LD301 Ch3
1
0
181614
88155
61874
13747
5640
375
285068
271823
282950
289740
276345
263905
279951
277701
275517
192714
286173
312454
360581
368688
373953
89260
102505
91378
104588
97983
110423
94777
96627
98811
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

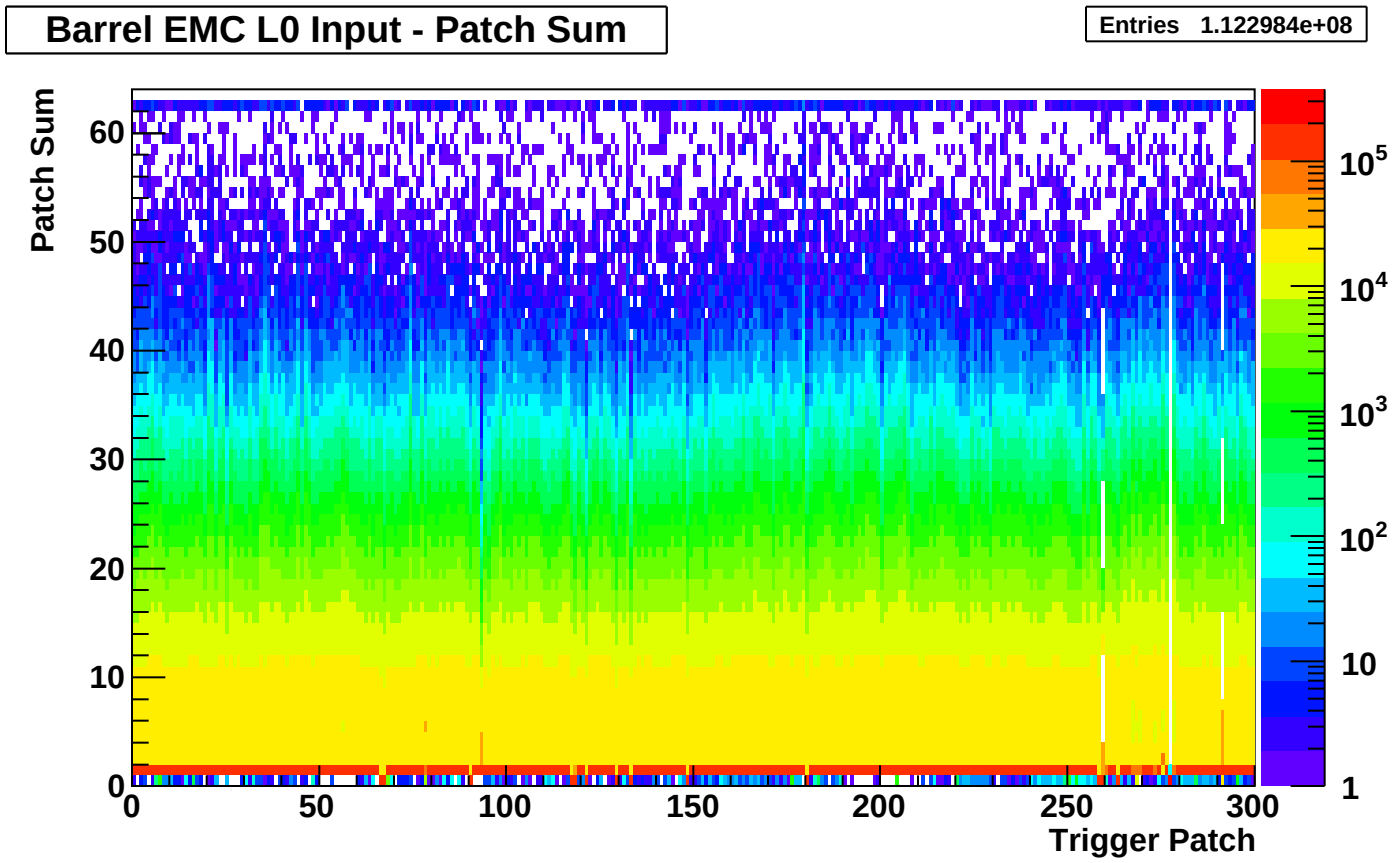

Last DSM Ch3 Input
Entries 191765
LD301 Ch3 - Simulated
1
0
-1
-2
89260
102505
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

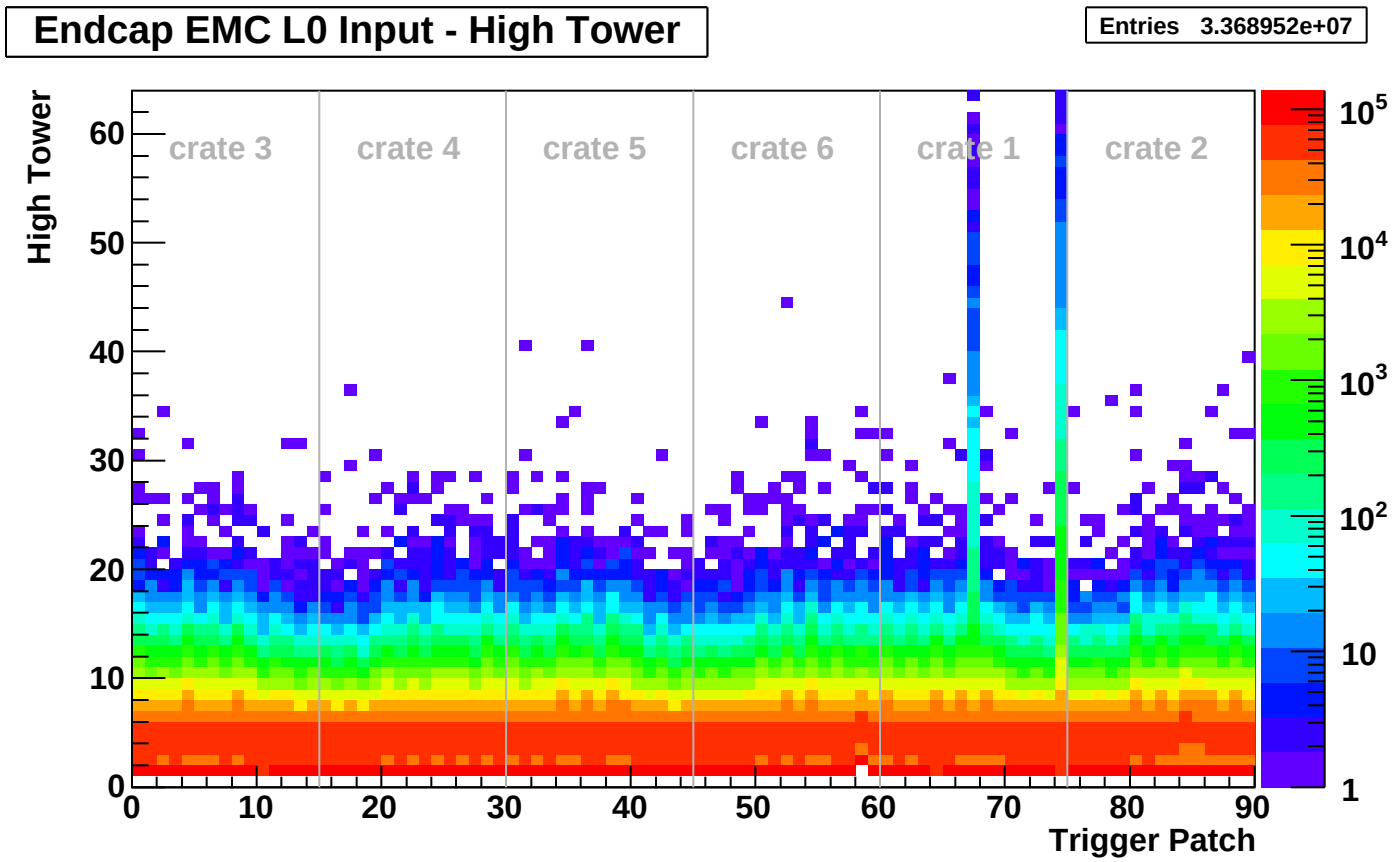

TCU bits
Entries 5989248
TCU bits
1
0
374328
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

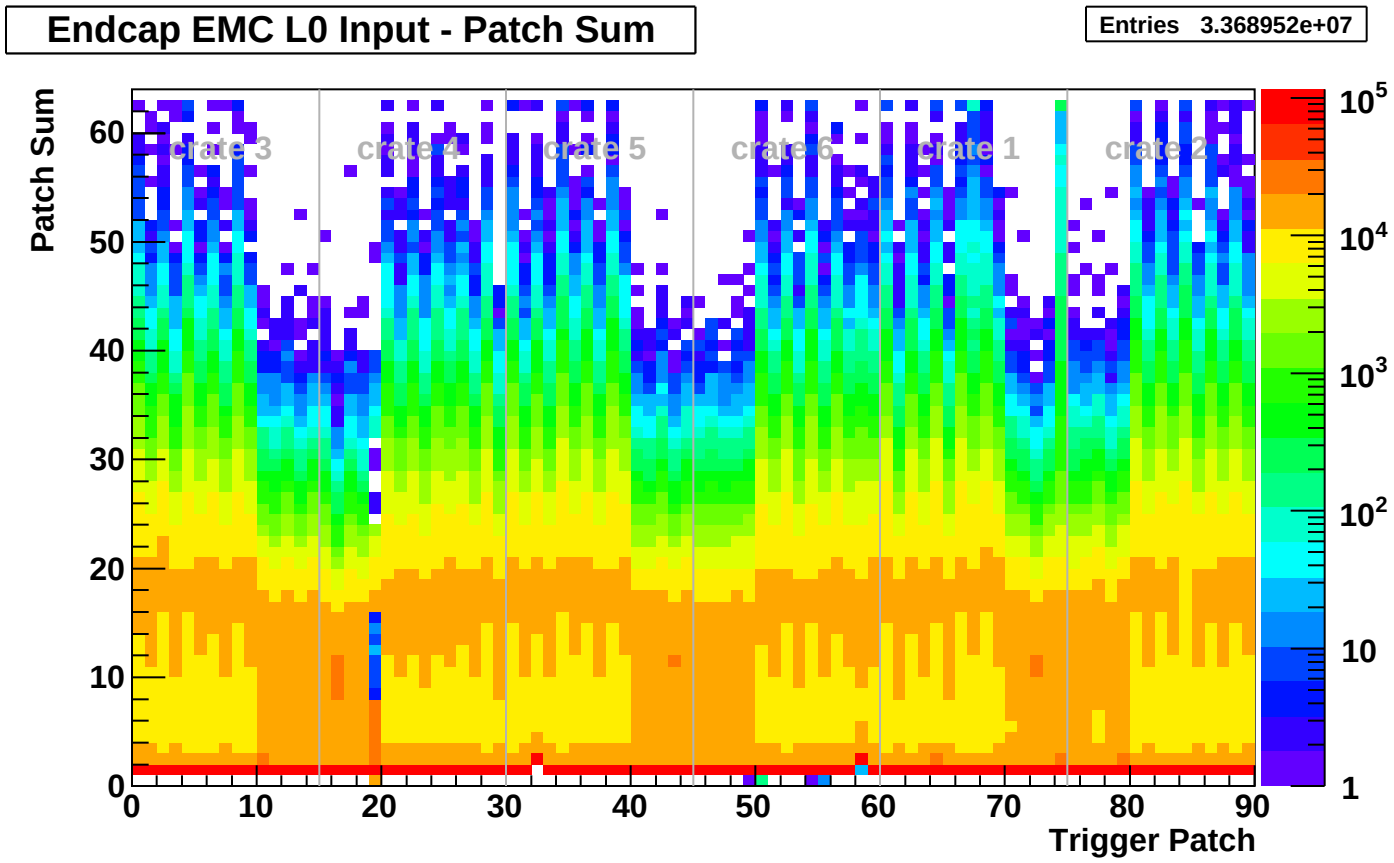

TCU bits
Entries 949042
TCU bits - Simulated
1
0
-1
-2
155333
88155
305437
5640
20140
374328
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

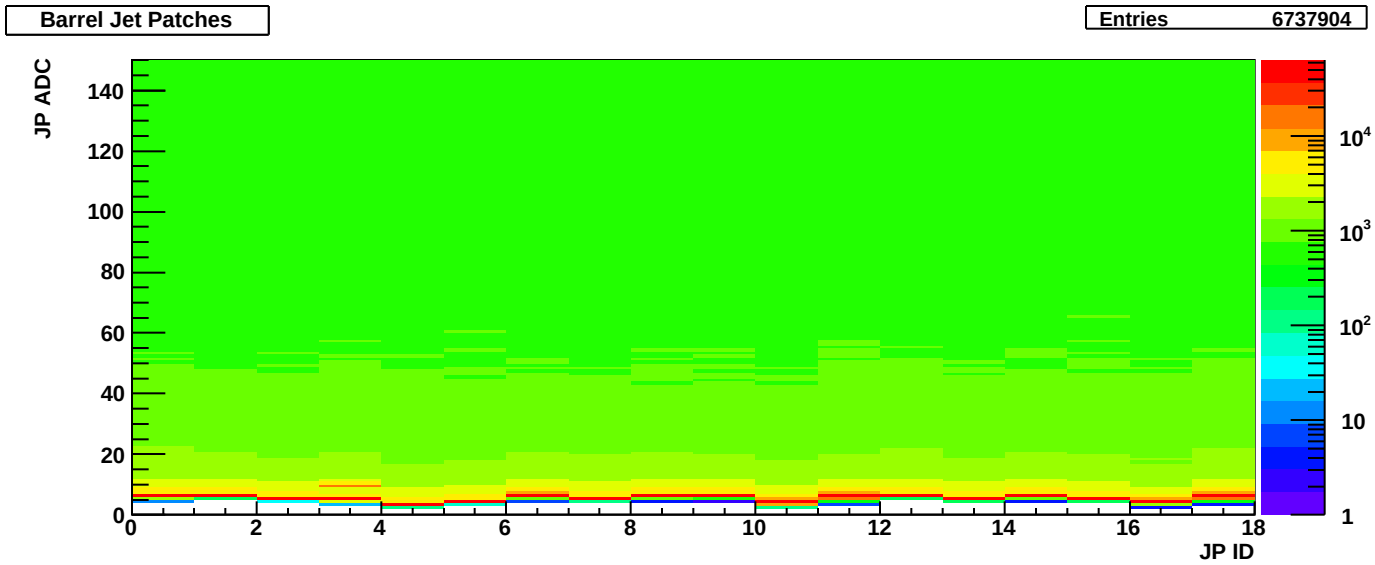

BunchId7Bit (BHT3)
Entries 13747
10²
10
1
0
20
40
60
80
100
120

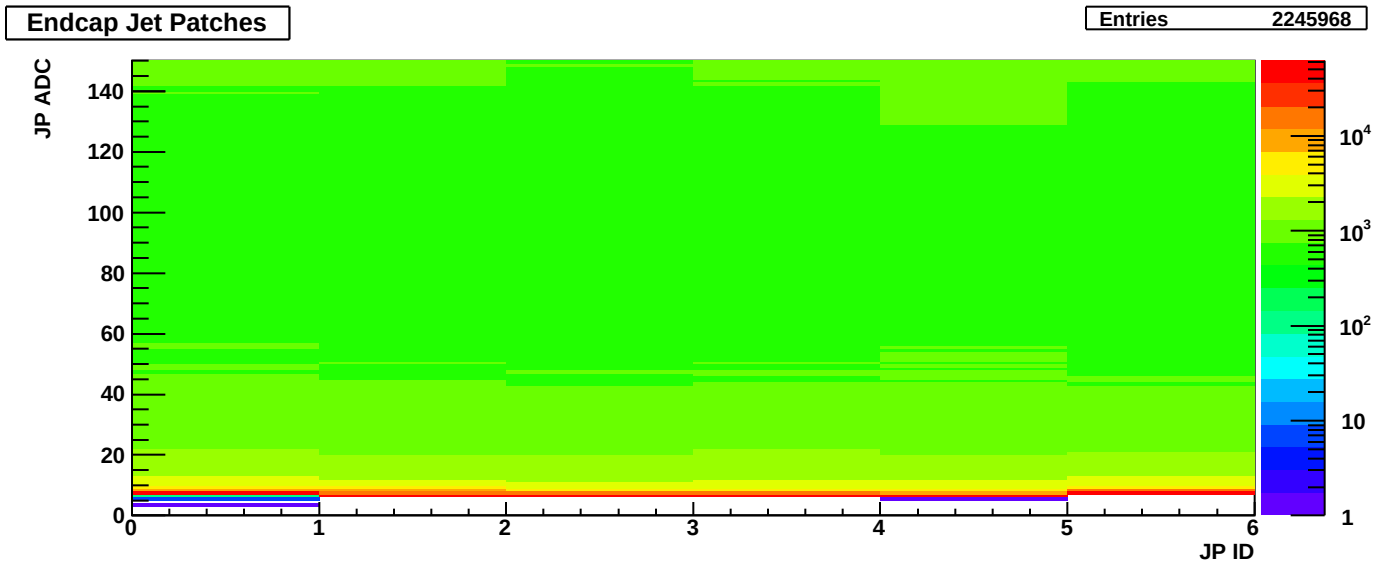

Barrel EMC L0 Input - High Tower
Entries 1.122984e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

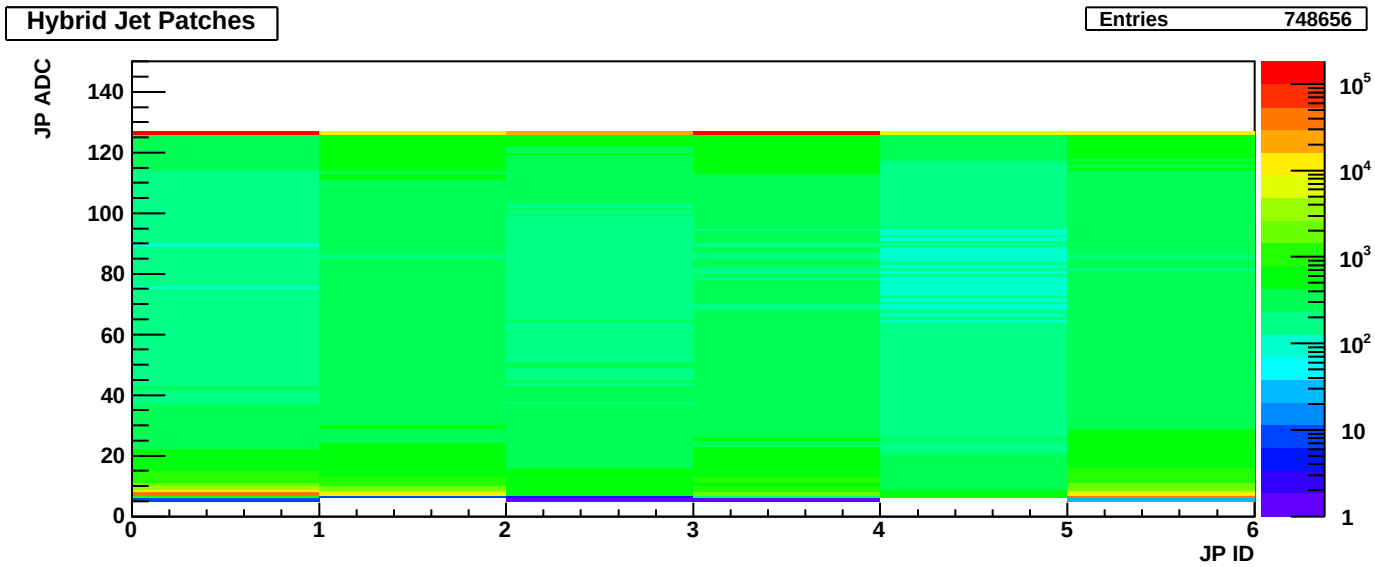

Barrel EMC L0 Input - Patch Sum
Entries 1.122984e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

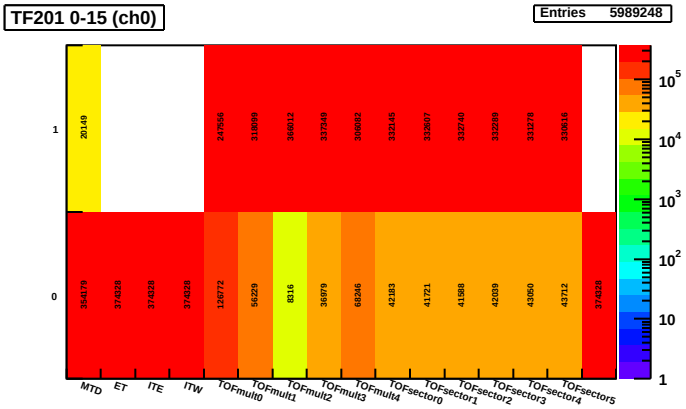

Endcap EMC L0 Input - High Tower
Entries 3.368952e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

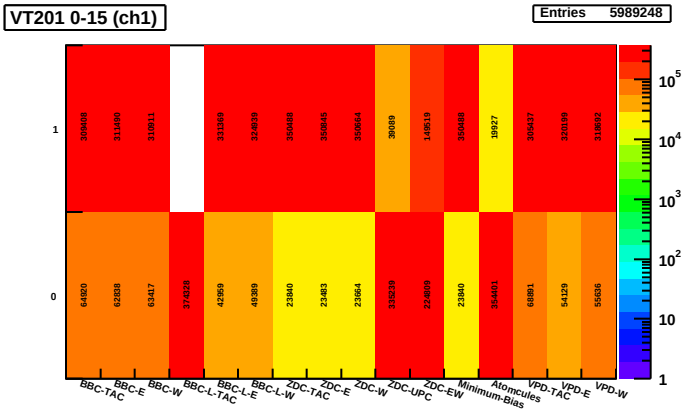

Endcap EMC L0 Input - Patch Sum
Entries 3.368952e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

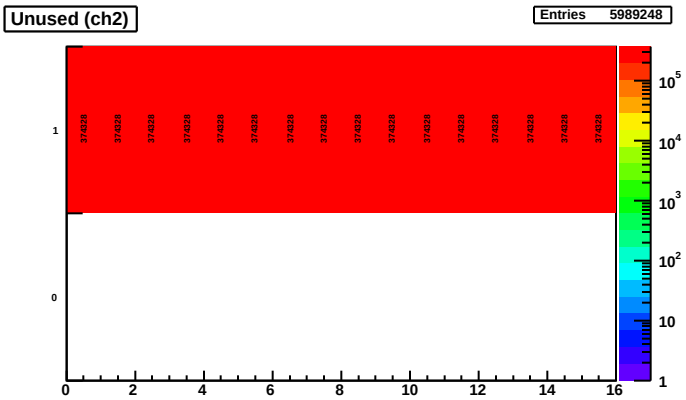

Barrel Jet Patches
Entries 6737904
JP ADC
JP ID

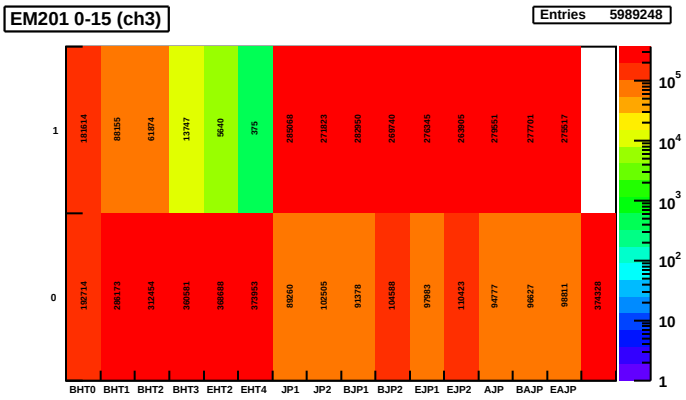

Endcap Jet Patches
Entries 2245968
JP ADC
JP ID

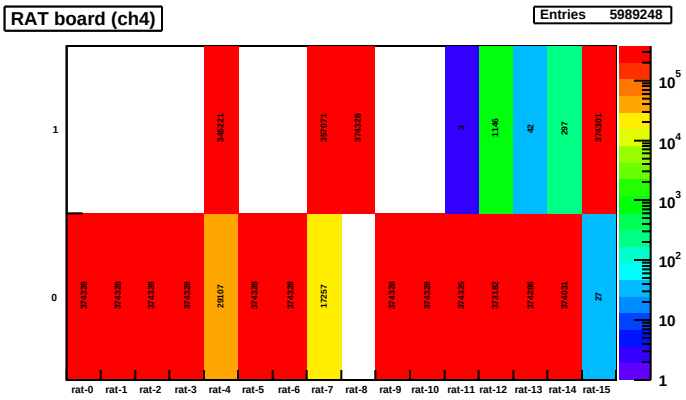

Hybrid Jet Patches
Entries 748656
JP ADC
JP ID

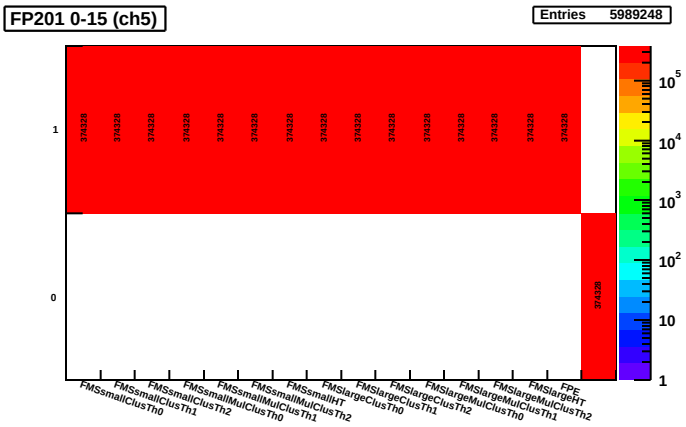

TF201 0-15 (ch0)
Entries 5989248
MTD
ET
ITE
ITW
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFmult4
TOFsector0
TOFsector1
TOFsector2
TOFsector3
TOFsector4
TOFsector5

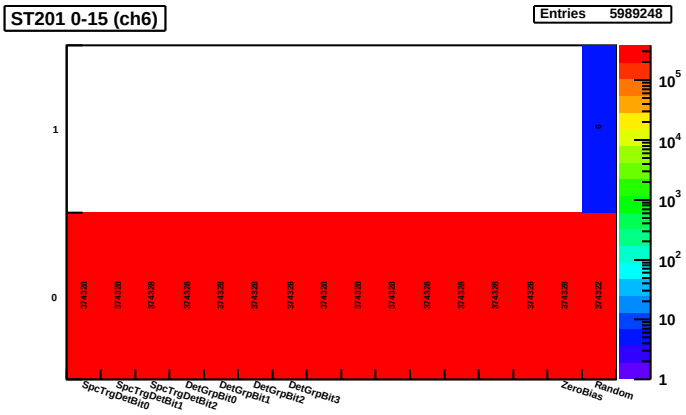

VT201 0-15 (ch1)
Entries 5989248
BBC-TAC
BBC-E
BBC-W
BBC-L-TAC
BBC-L-E
BBC-L-W
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
Minimum-Bias
Atomcules
VPD-TAC
VPD-E
VPD-W

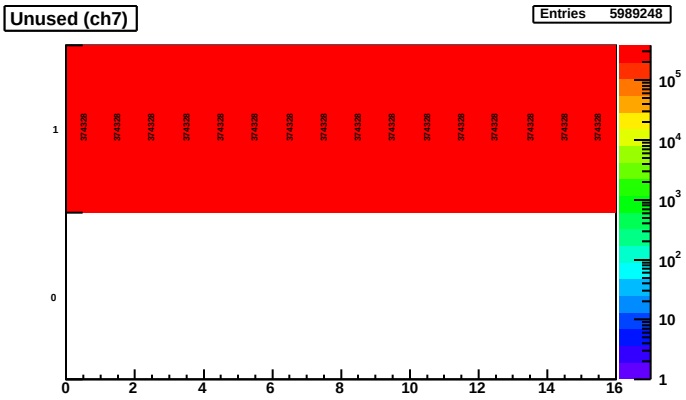

Unused (ch2)
Entries 5989248

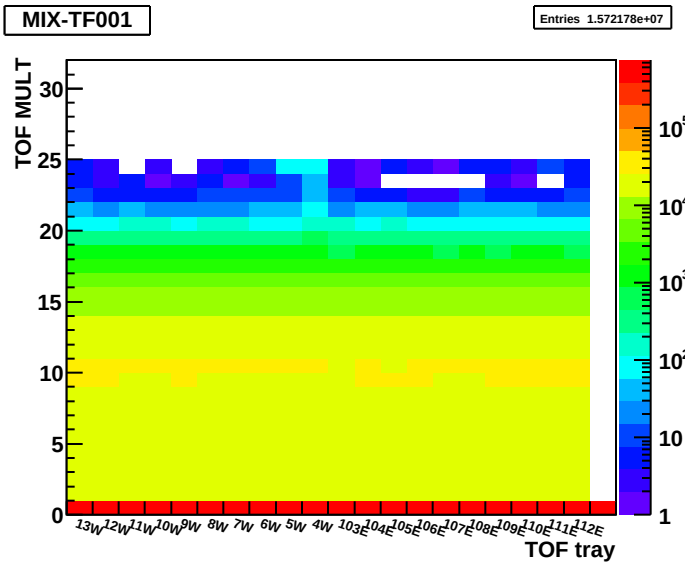

EM201 0-15 (ch3)
Entries 5989248
BHT0
BHT1
BHT2
BHT3
EHT2
EHT4
JP1
JP2
BJP1
BJP2
EJP1
EJP2
AJP
BAJP
EAJP

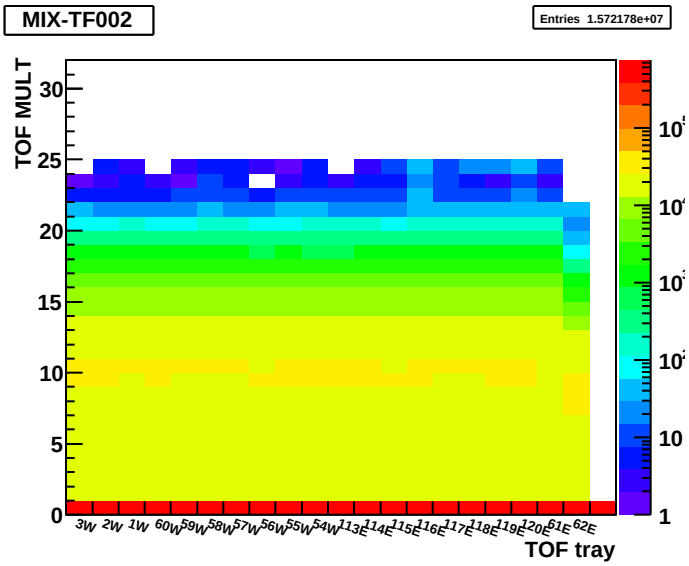

RAT board (ch4)
Entries 5989248
rat-0
rat-1
rat-2
rat-3
rat-4
rat-5
rat-6
rat-7
rat-8
rat-9
rat-10
rat-11
rat-12
rat-13
rat-14
rat-15

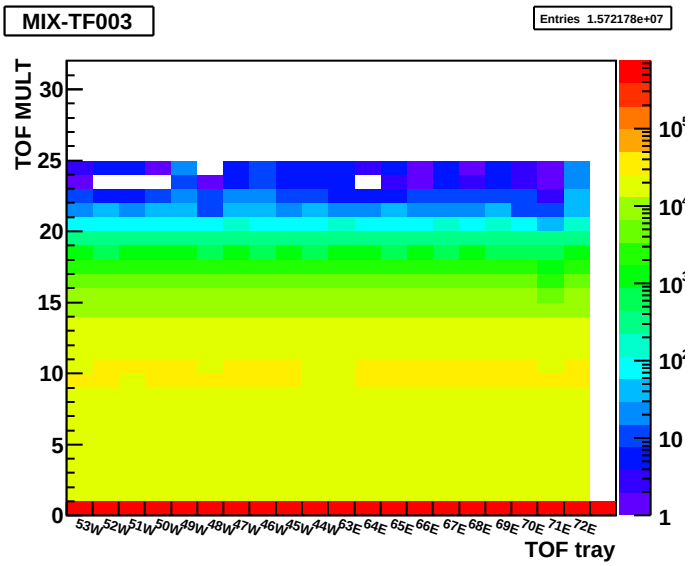

FP201 0-15 (ch5)
Entries 5989248
FMSsmallClusTh0
FMSsmallClusTh1
FMSsmallClusTh2
FMSsmallMulClusTh0
FMSsmallMulClusTh1
FMSsmallMulClusTh2
FMSsmallHT
FMSlargeClusTh0
FMSlargeClusTh1
FMSlargeClusTh2
FMSlargeMulClusTh0
FMSlargeMulClusTh1
FMSlargeMulClusTh2
FMSlargeHT
FPE

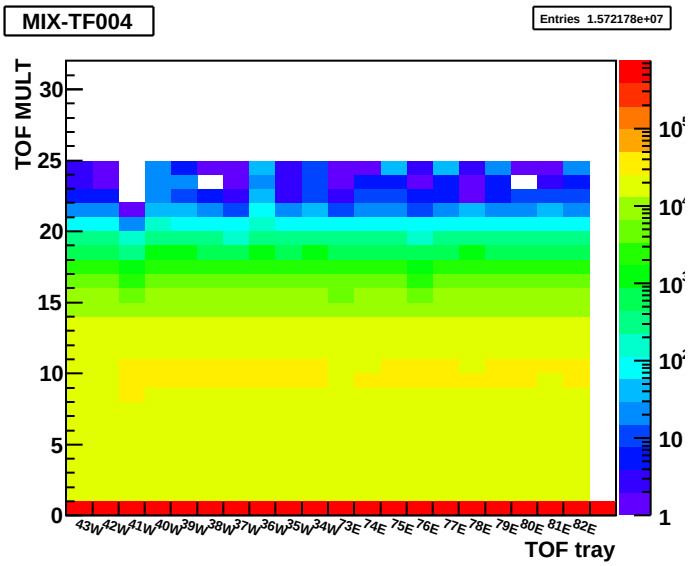

ST201 0-15 (ch6)
Entries 5989248
SpcTrgDetBit0
SpcTrgDetBit1
SpcTrgDetBit2
DetCrpBit0
DetCrpBit1
DetCrpBit2
DetCrpBit3
ZeroBias
Random

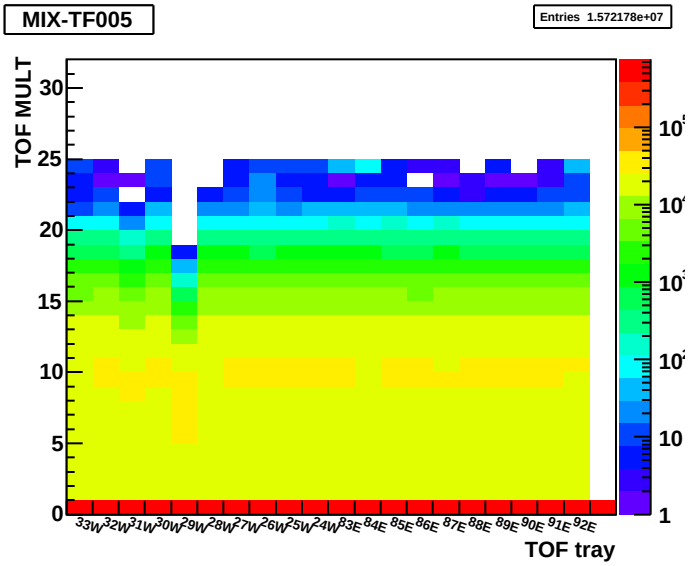

Unused (ch7)
Entries 5989248

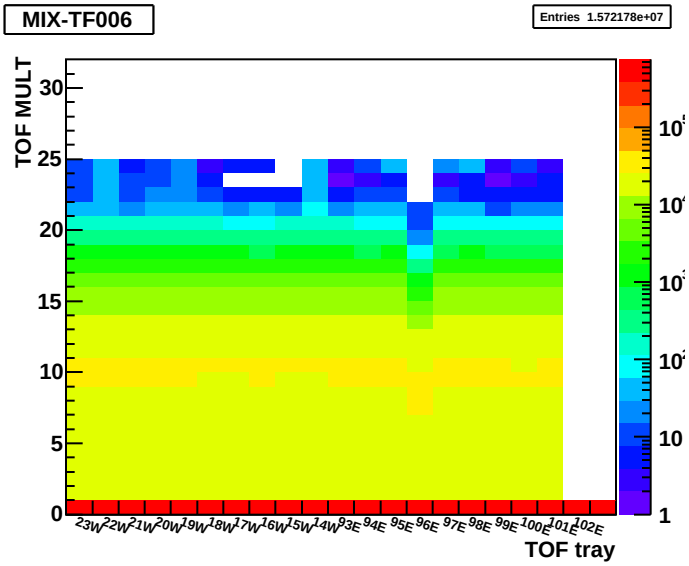

MIX-TF001
Entries 1.572178e+07
TOF MULT
TOF tray

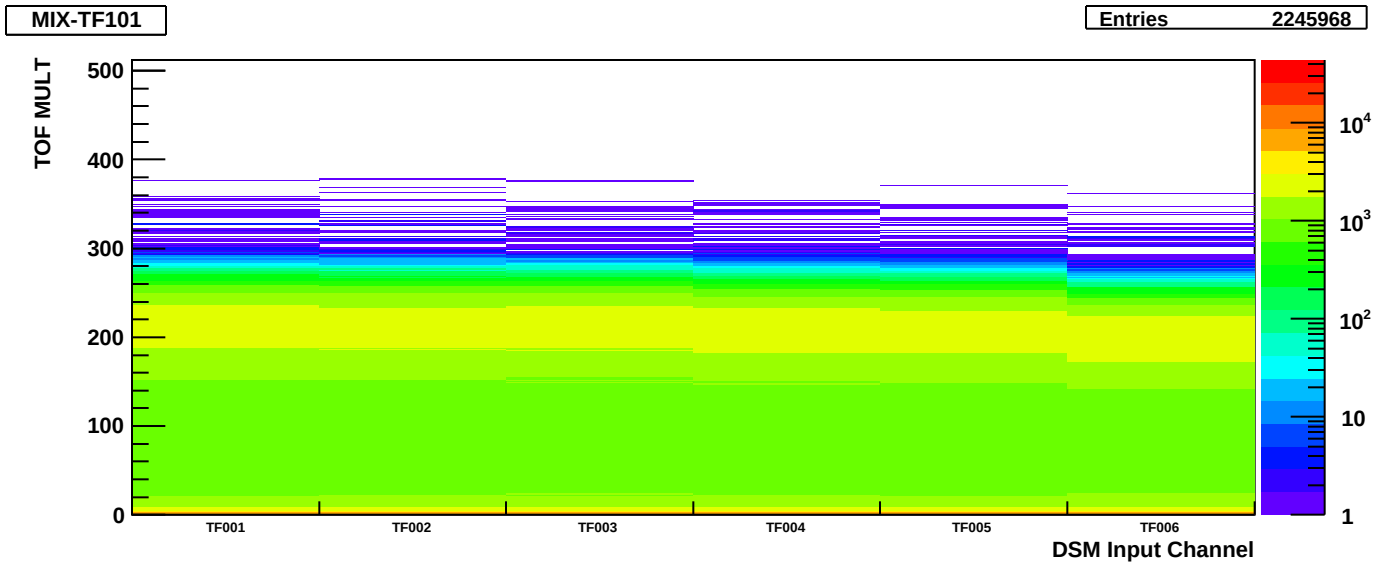

MIX-TF002
Entries 1.572178e+07
TOF MULT
TOF tray

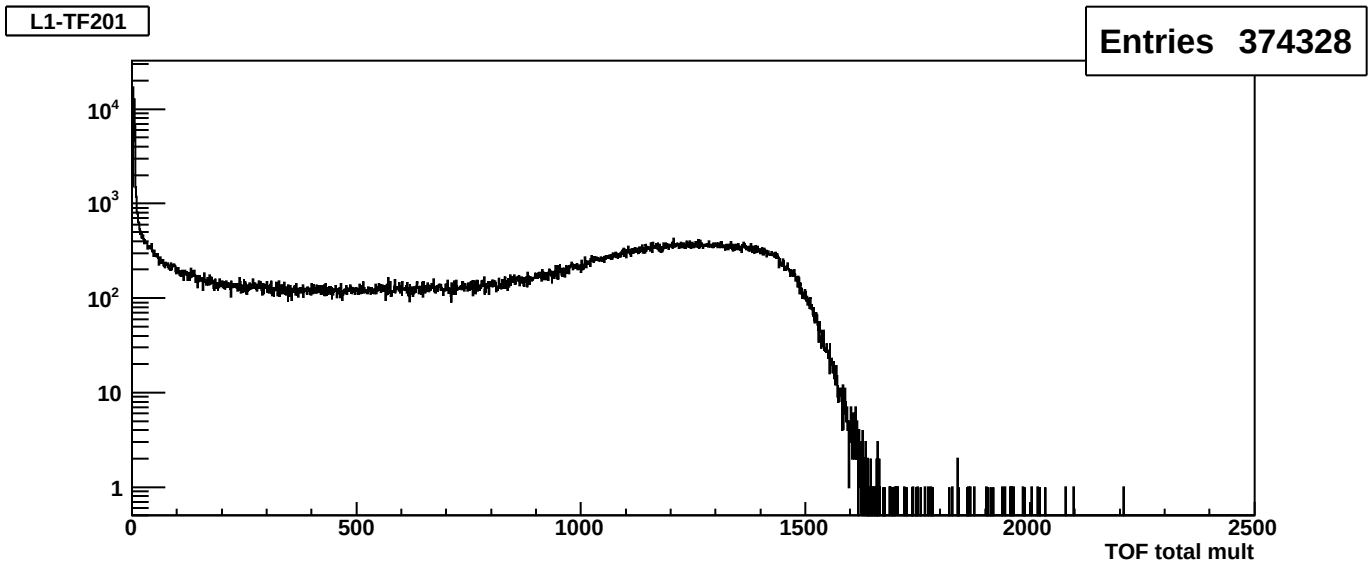

MIX-TF003
Entries 1.572178e+07
TOF MULT
TOF tray

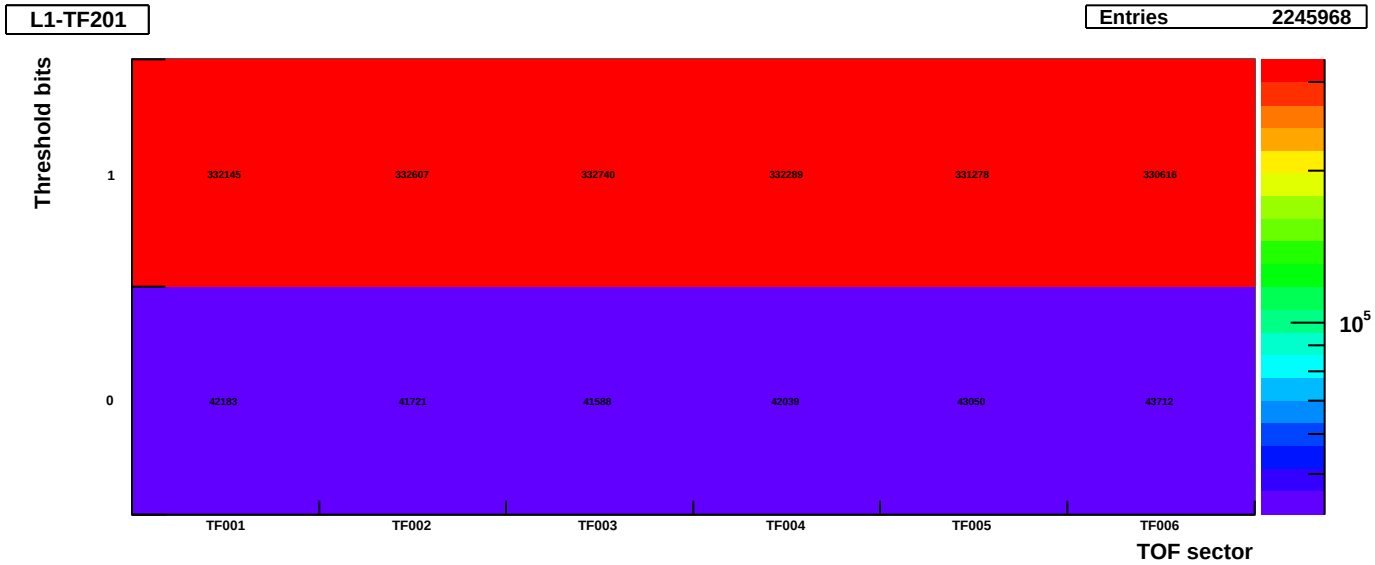

MIX-TF004
Entries 1.572178e+07
TOF MULT
TOF tray

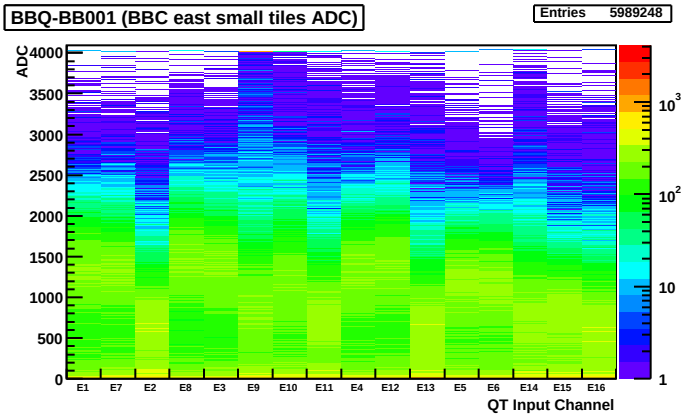

MIX-TF005
Entries 1.572178e+07
TOF MULT
TOF tray

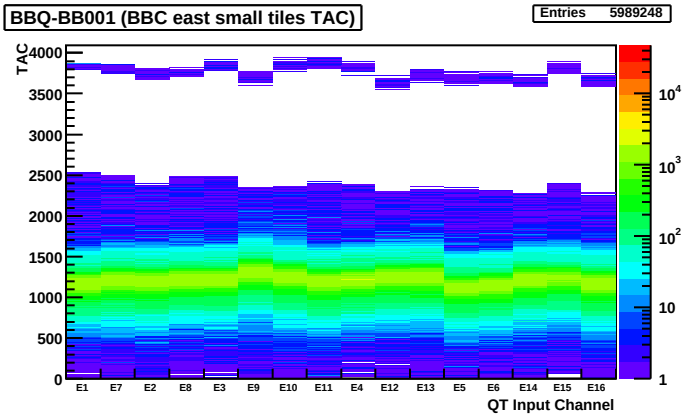

MIX-TF006
Entries 1.572178e+07
TOF MULT
TOF tray

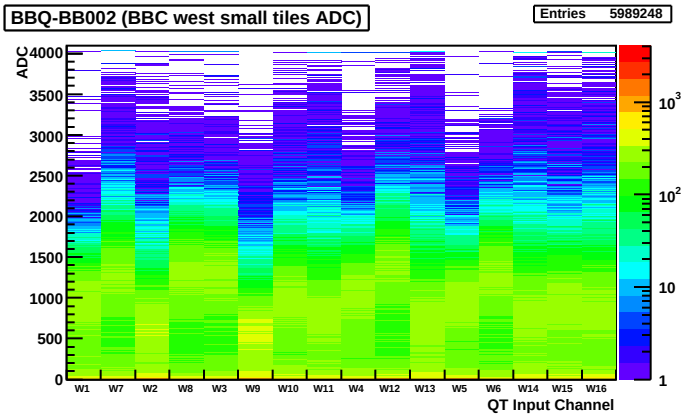

MIX-TF101
Entries 2245968
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

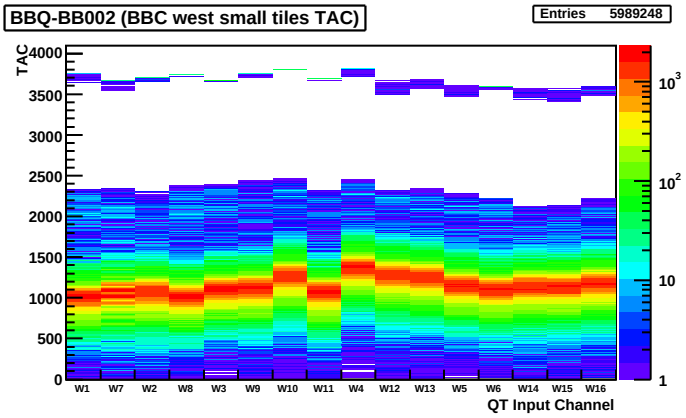

L1-TF201
Entries 374328
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

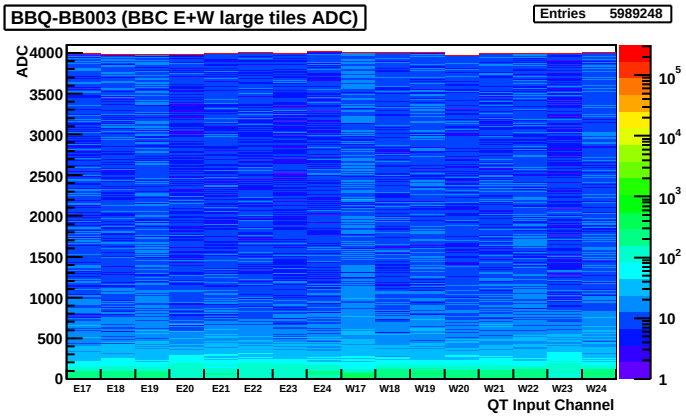

L1-TF201
Entries 2245968
Threshold bits
1
0
332145
332607
332740
332289
331278
330616
42183
41721
41588
42039
43050
43712
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

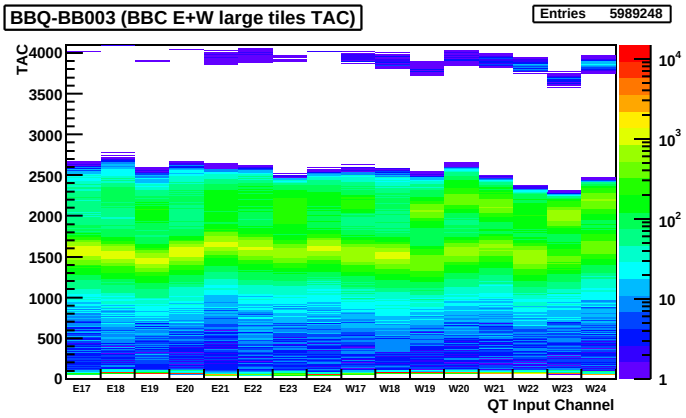

BBQ-BB001 (BBC east small tiles ADC)
Entries 5989248
ADC
QT Input Channel

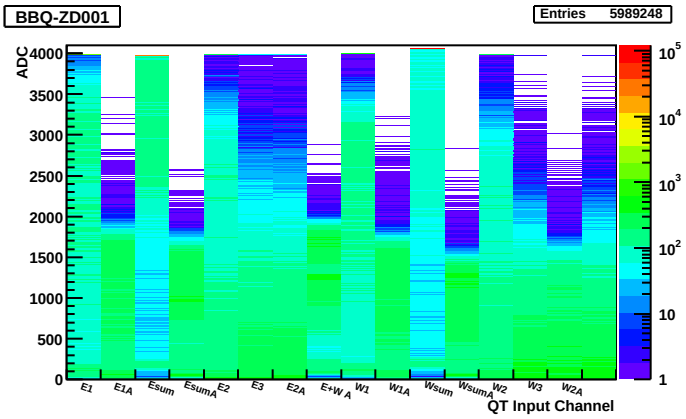

BBQ-BB001 (BBC east small tiles TAC)
Entries 5989248
TAC
QT Input Channel

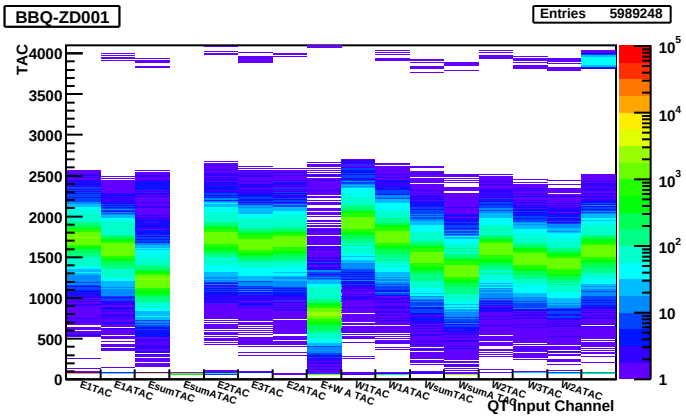

BBQ-BB002 (BBC west small tiles ADC)
Entries 5989248
ADC
QT Input Channel

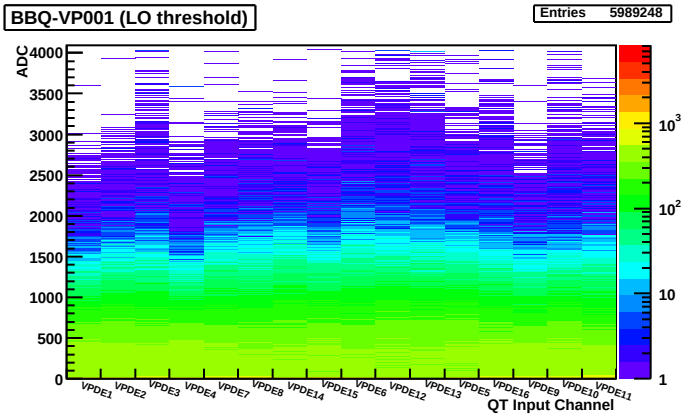

BBQ-BB002 (BBC west small tiles TAC)
Entries 5989248
TAC
QT Input Channel

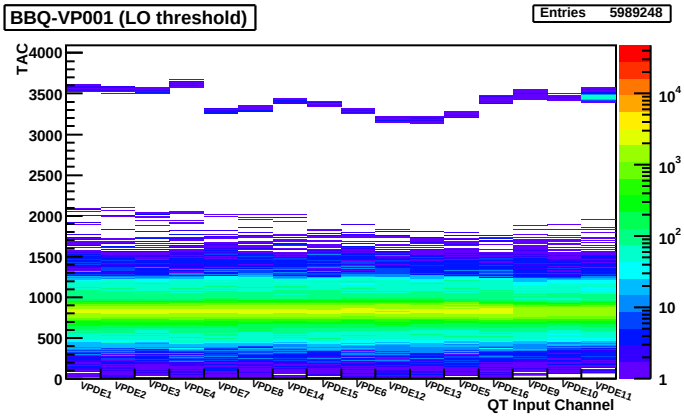

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5989248
ADC
QT Input Channel

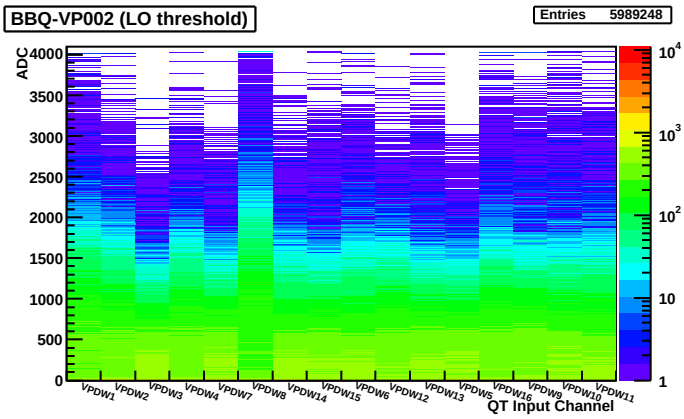

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5989248
TAC
QT Input Channel

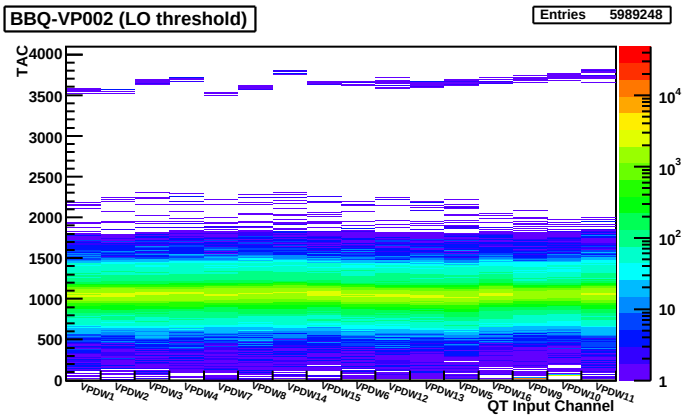

BBQ-ZD001
Entries 5989248
ADC
QT Input Channel

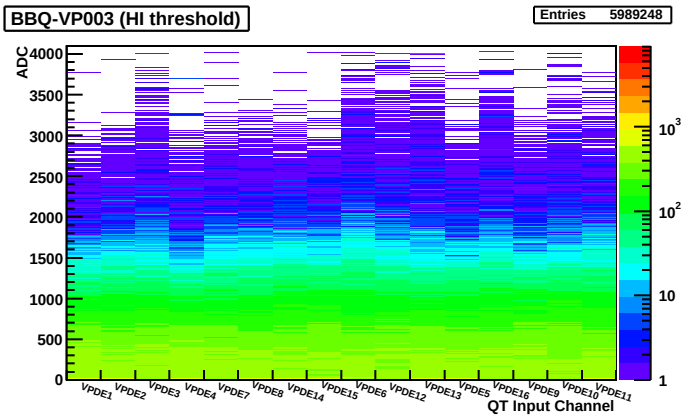

BBQ-ZD001
Entries 5989248
TAC
QT Input Channel

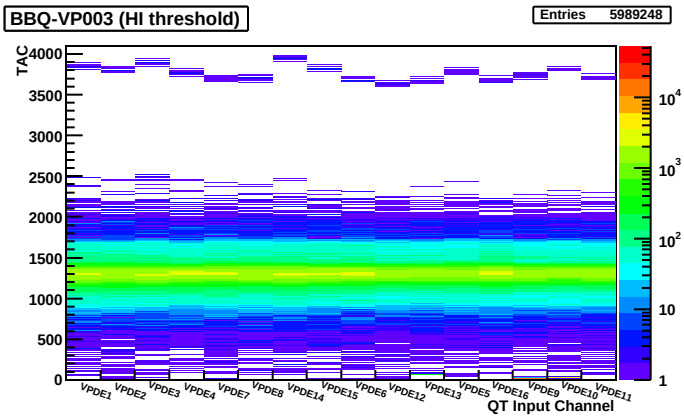

BBQ-VP001 (LO threshold)
Entries 5989248
ADC
QT Input Channel

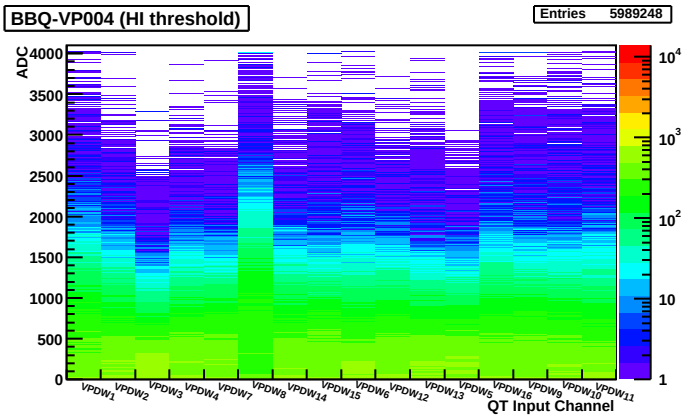

BBQ-VP001 (LO threshold)
Entries 5989248
TAC
QT Input Channel

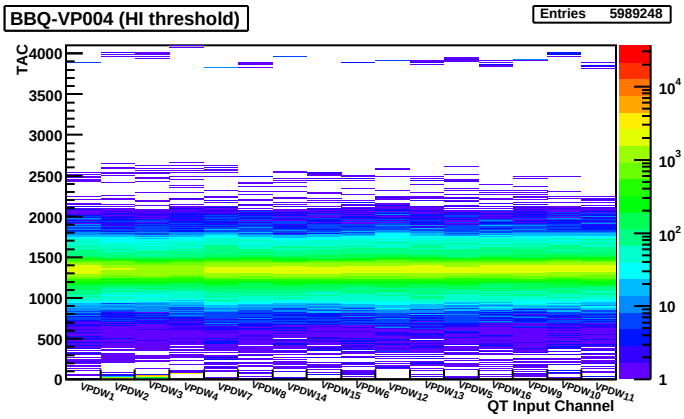

BBQ-VP002 (LO threshold)
Entries 5989248
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 5989248
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5989248
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 5989248
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5989248
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 5989248
TAC
QT Input Channel