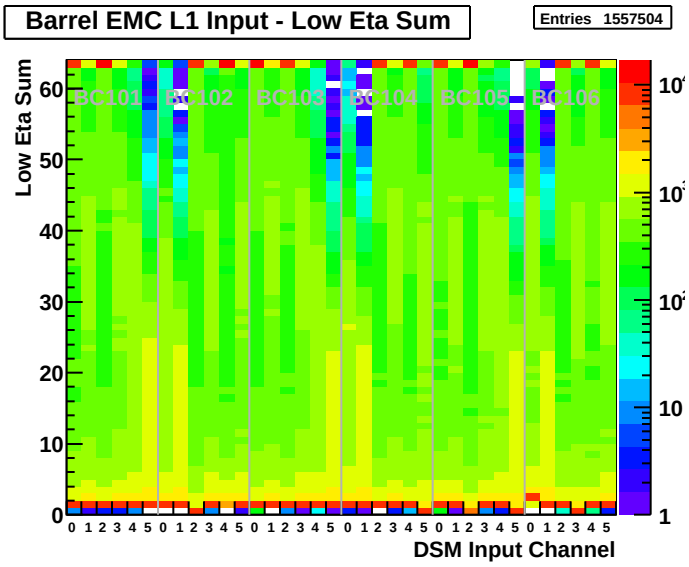
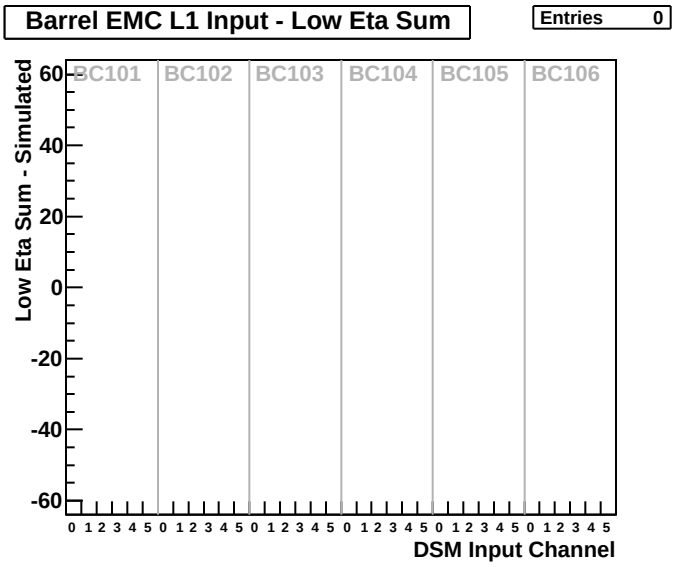
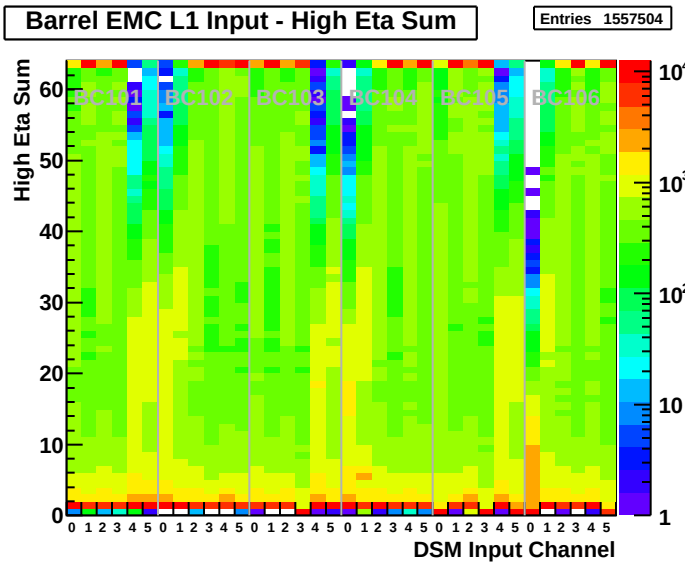
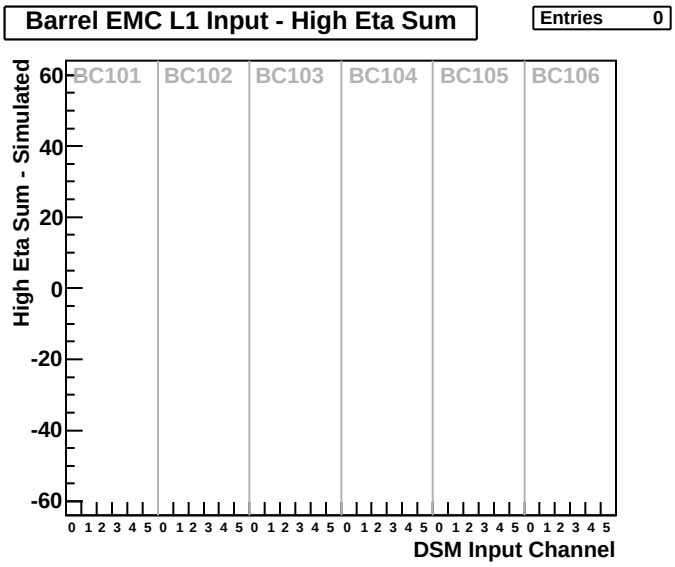
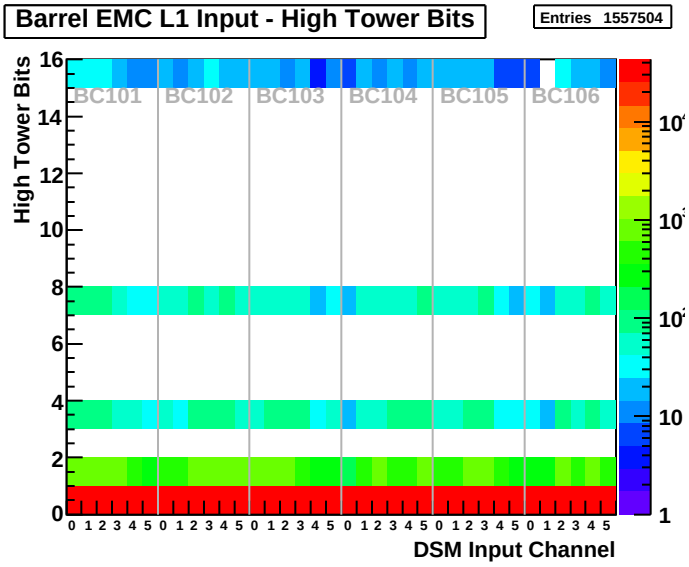
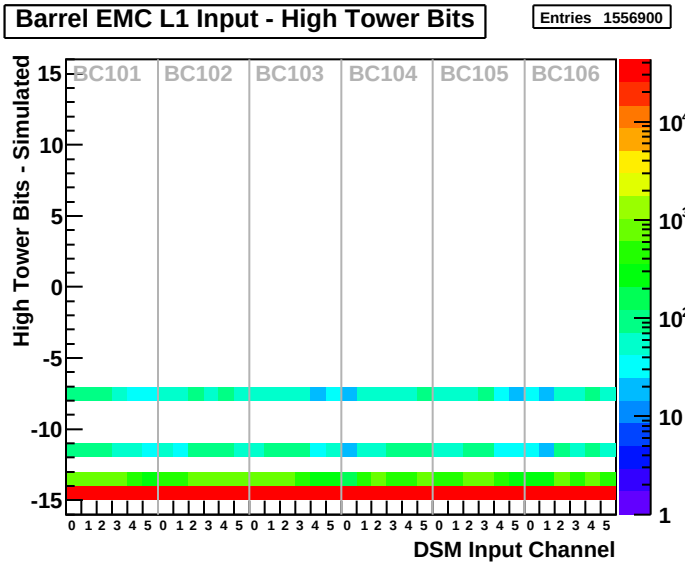

Barrel EMC L1 Input - Low Eta Sum
Entries 1557504
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

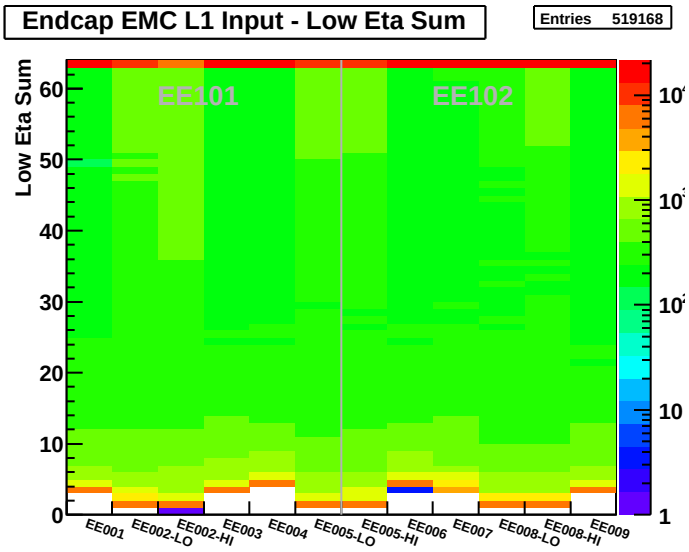

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

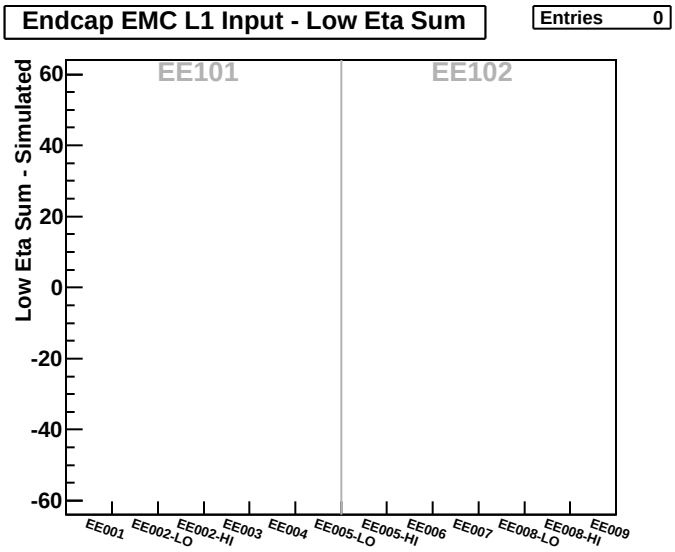

Barrel EMC L1 Input - High Eta Sum
Entries 1557504
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

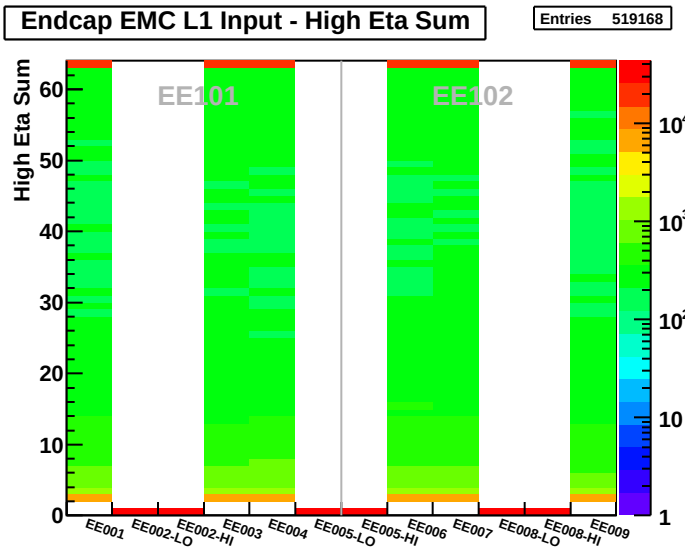

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

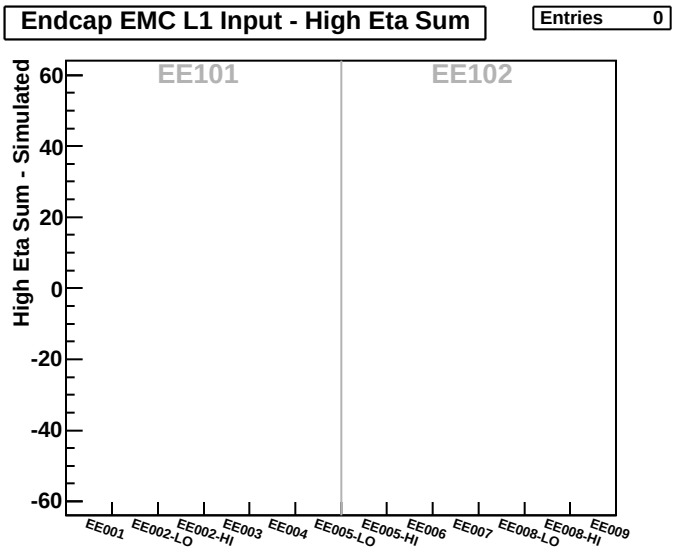

Barrel EMC L1 Input - High Tower Bits
Entries 1557504
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

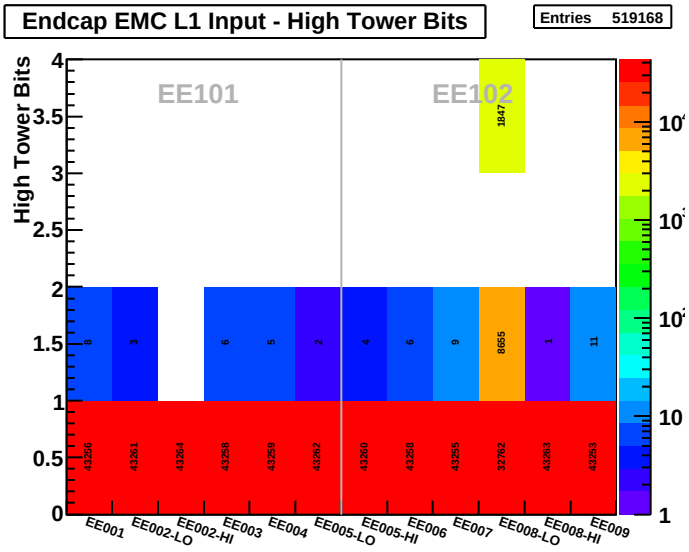

Barrel EMC L1 Input - High Tower Bits
Entries 1556900
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

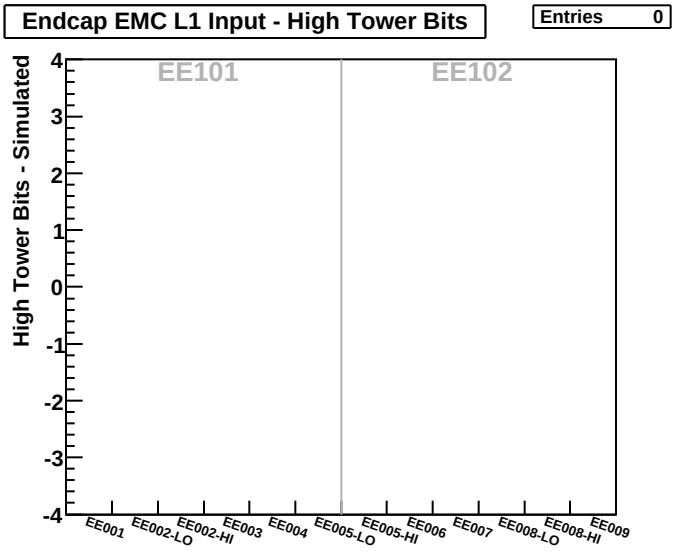

Endcap EMC L1 Input - Low Eta Sum
Entries 519168
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

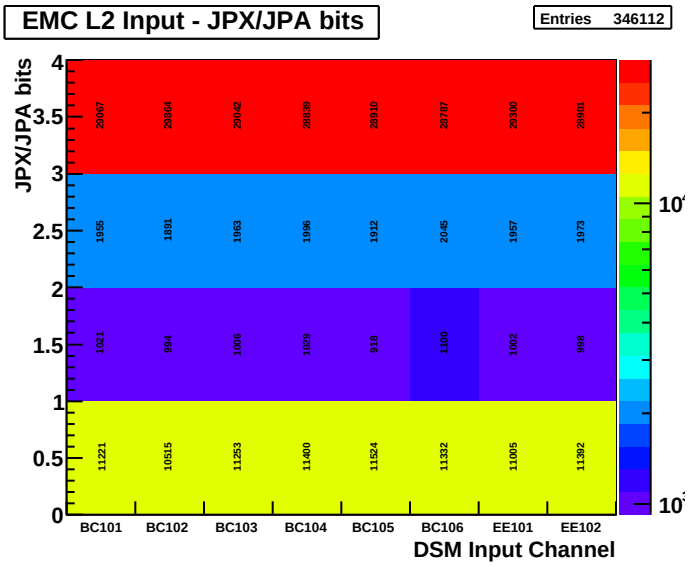

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

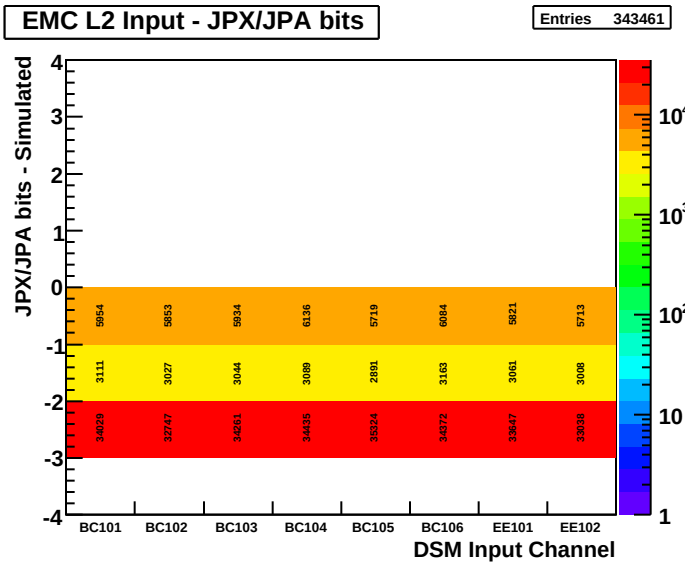

Endcap EMC L1 Input - High Eta Sum
Entries 519168
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

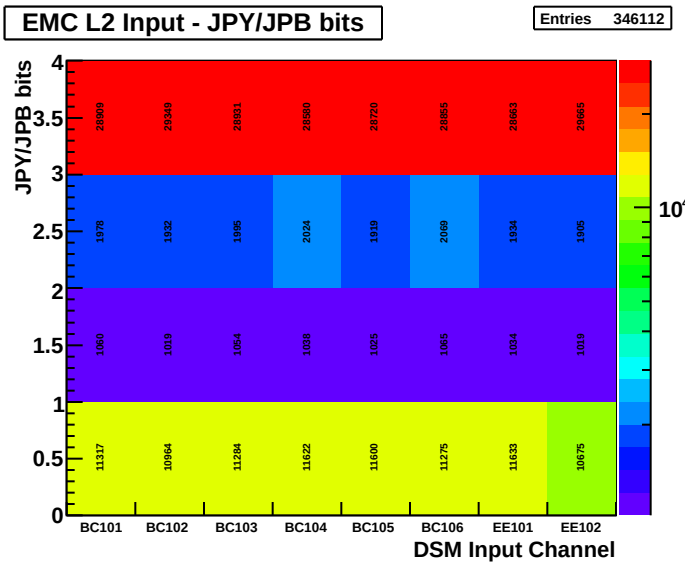

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

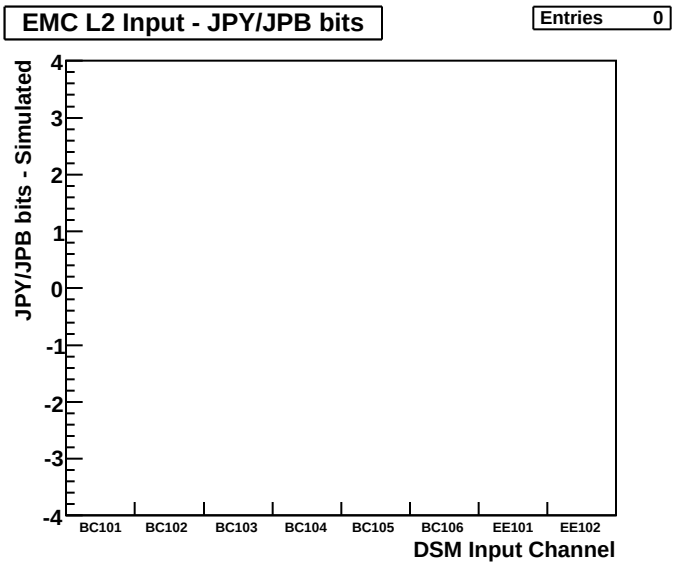

Endcap EMC L1 Input - High Tower Bits
Entries 519168
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

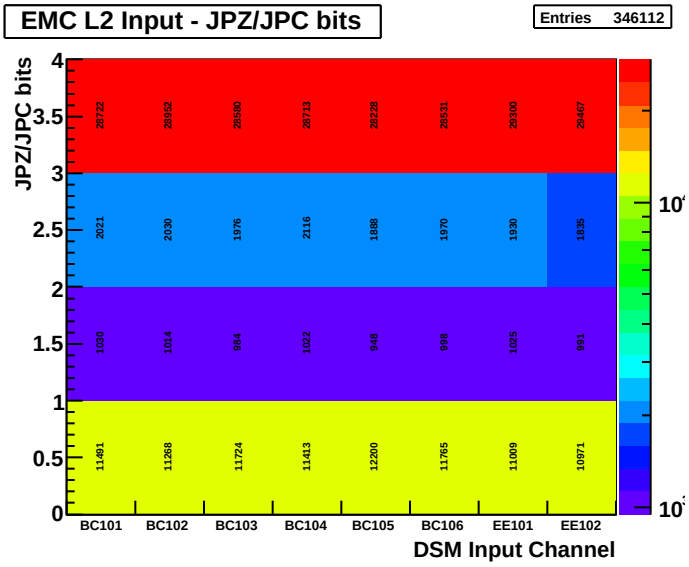

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

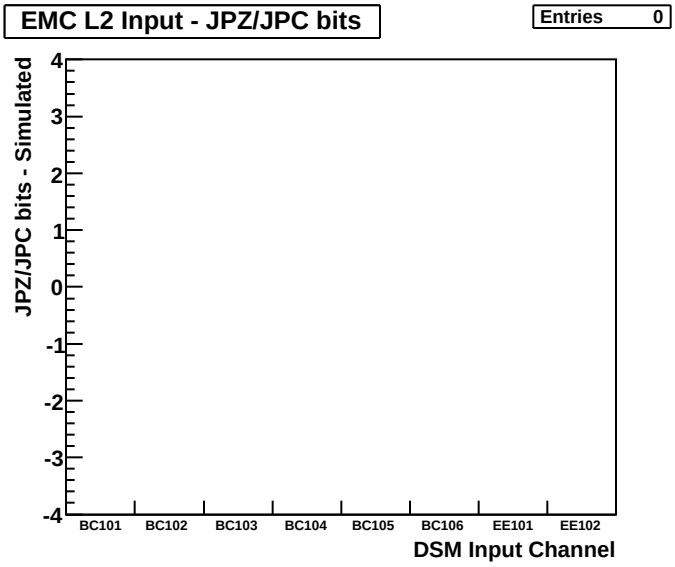

EMC L2 Input - JPX/JPA bits
Entries 346112
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
28067 28864 29042 28839 28910 28787 29300 28901
1955 1891 1963 1996 1912 2045 1957 1973
1021 994 1006 1029 918 1100 1002 998
11221 10515 11253 11400 11524 11332 11005 11392

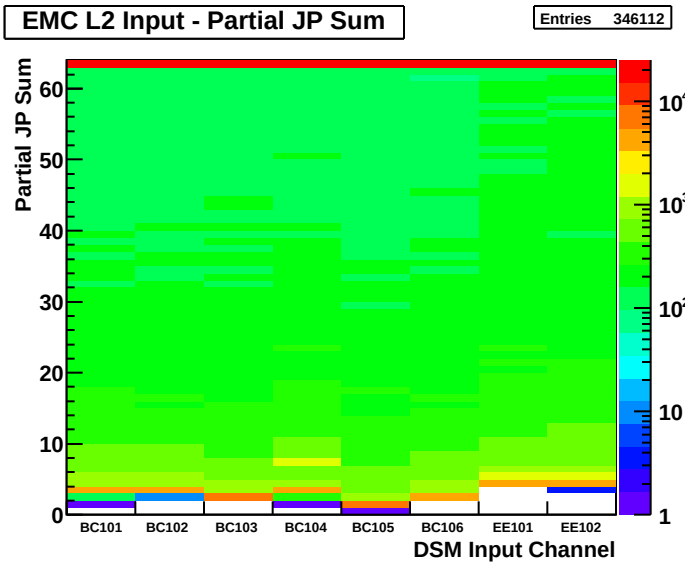

EMC L2 Input - JPX/JPA bits
Entries 343461
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
5954 5853 5934 6136 5719 6084 5821 5713
3111 3027 3044 3089 2891 3163 3061 3008
34029 32747 34261 34435 33324 34372 33947 33038

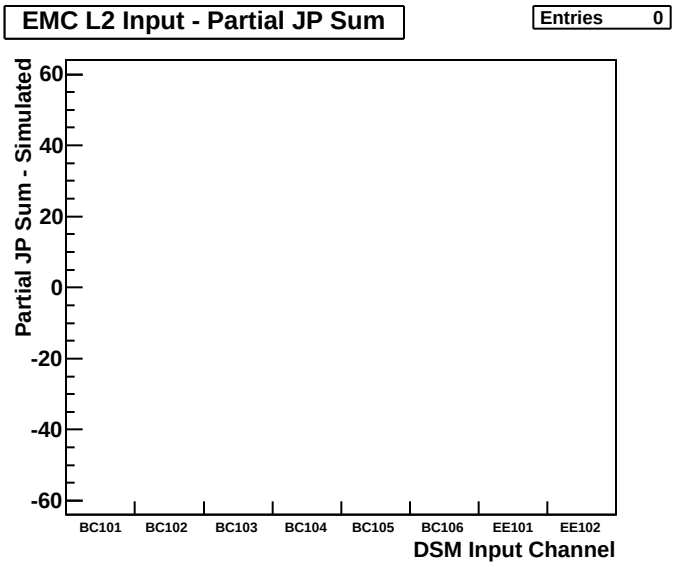

EMC L2 Input - JPY/JPB bits
Entries 346112
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
23909 23349 23931 23580 23720 23855 23663 23665
1978 1932 1995 2024 1919 2069 1934 1905
1060 1010 1054 1038 1025 1055 1034 1019
11317 10964 11284 11622 11600 11275 11633 10675

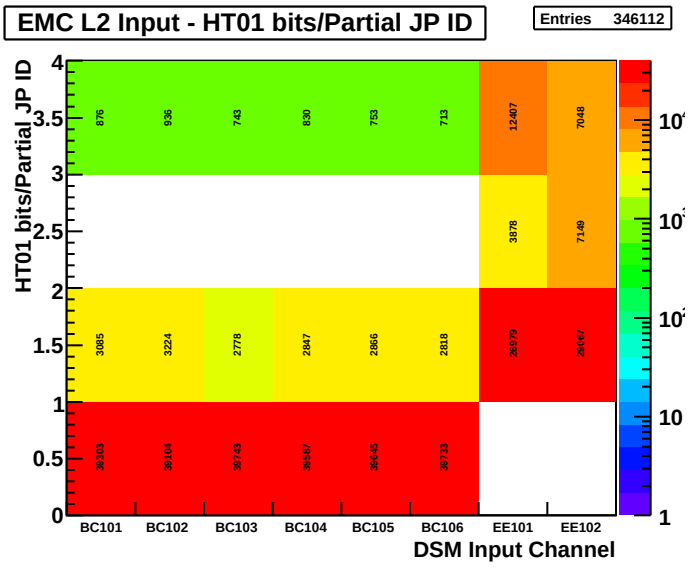

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

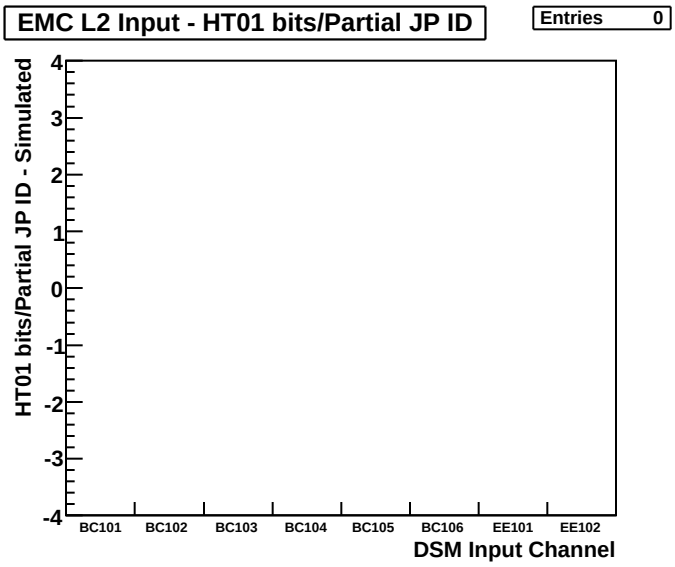

EMC L2 Input - JPZ/JPC bits
Entries 346112
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
28722 28952 28580 28713 28228 28531 29300 29467
2021 2030 1976 2116 1888 1970 1930 1835
1030 1014 984 1022 948 998 1025 931
11481 11268 11724 11413 12200 11765 11009 10971

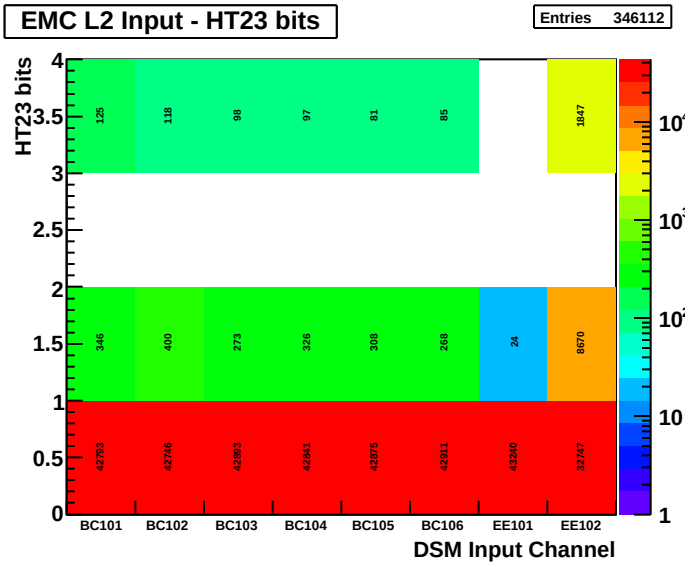

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

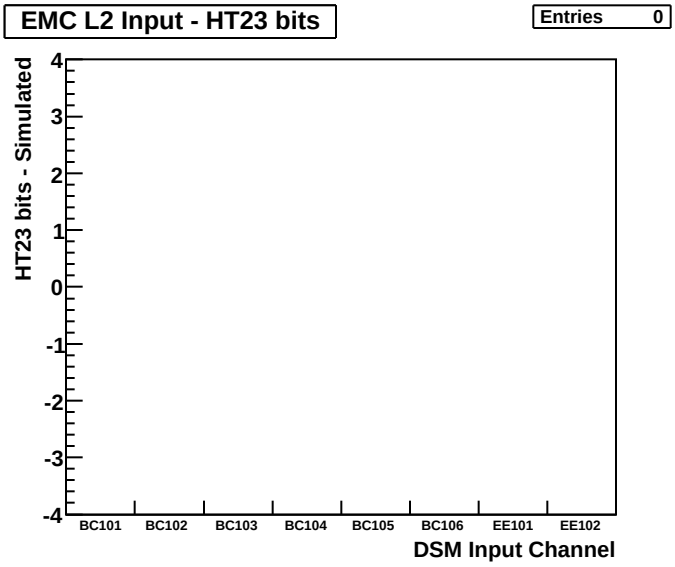

EMC L2 Input - Partial JP Sum
Entries 346112
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

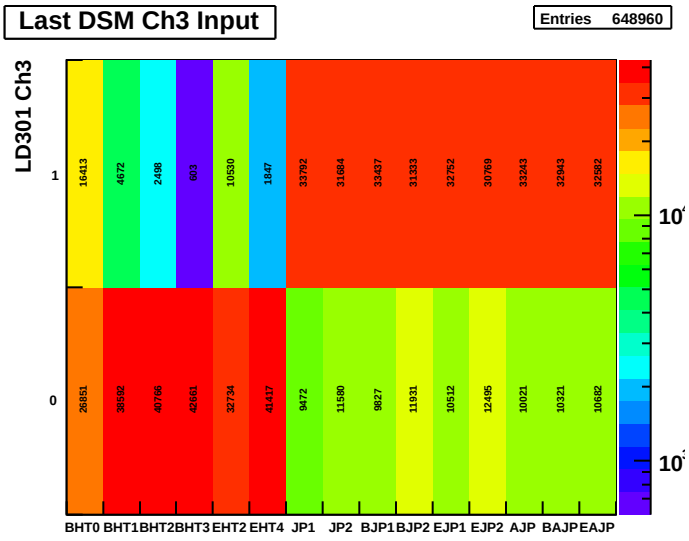

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

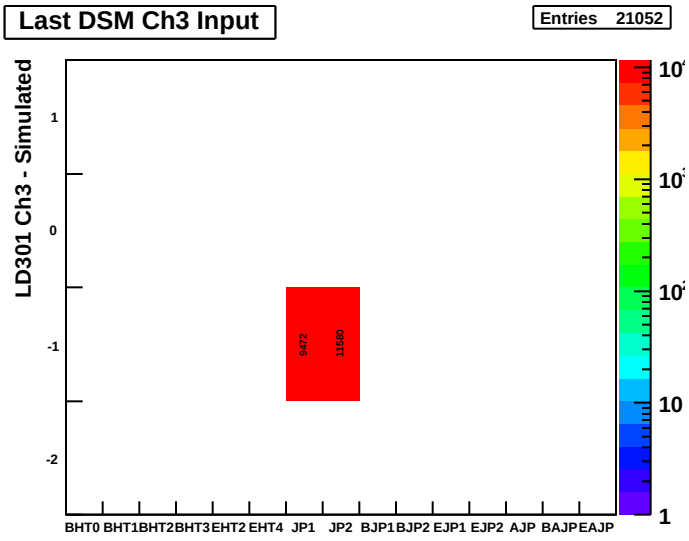

EMC L2 Input - HT01 bits/Partial JP ID
Entries 346112
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

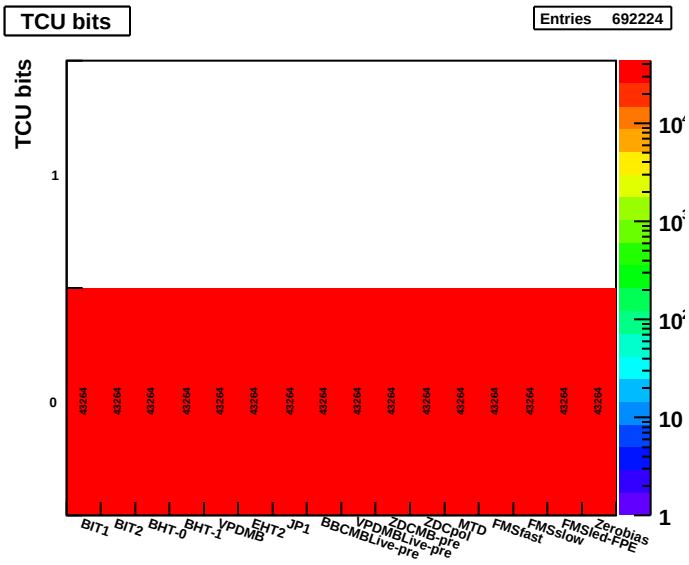

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

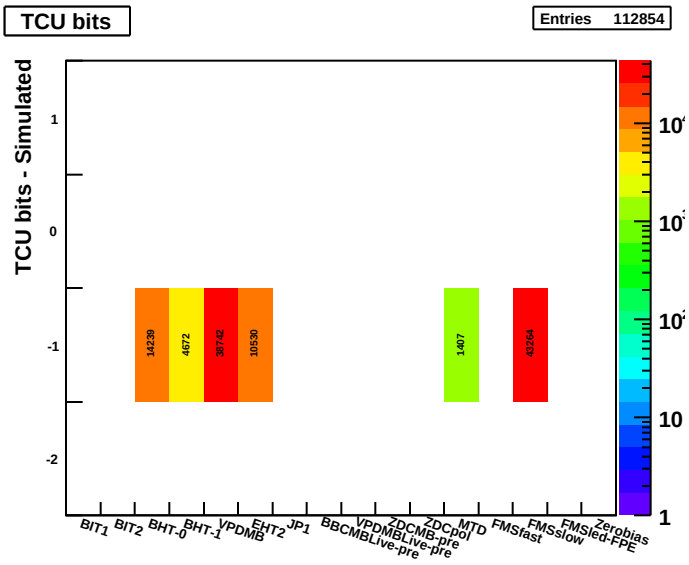

EMC L2 Input - HT23 bits
Entries 346112
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

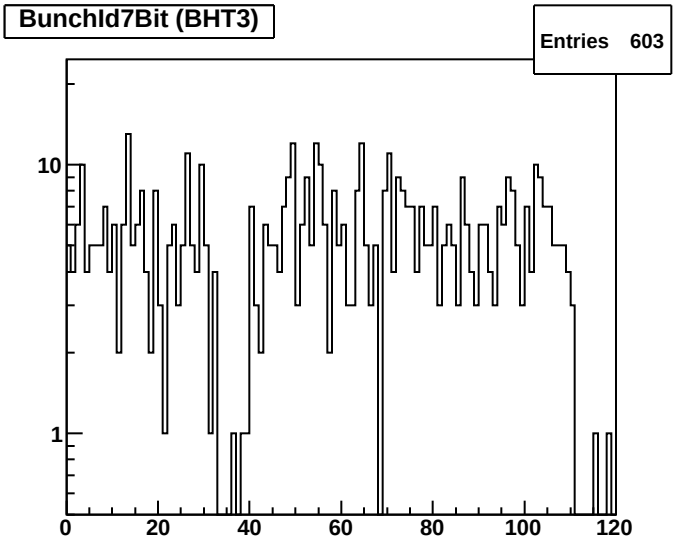

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

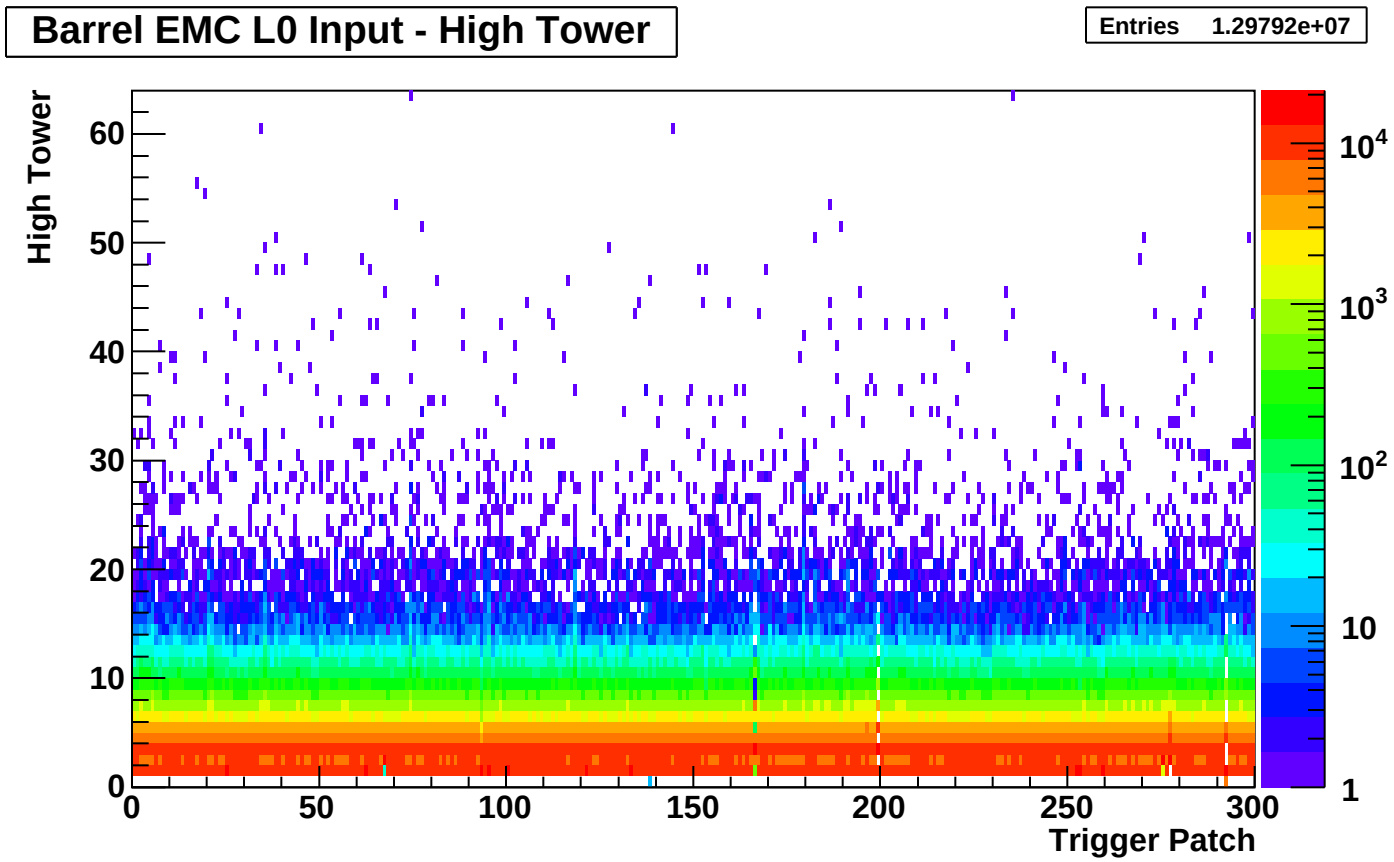

Last DSM Ch3 Input
Entries 648960
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

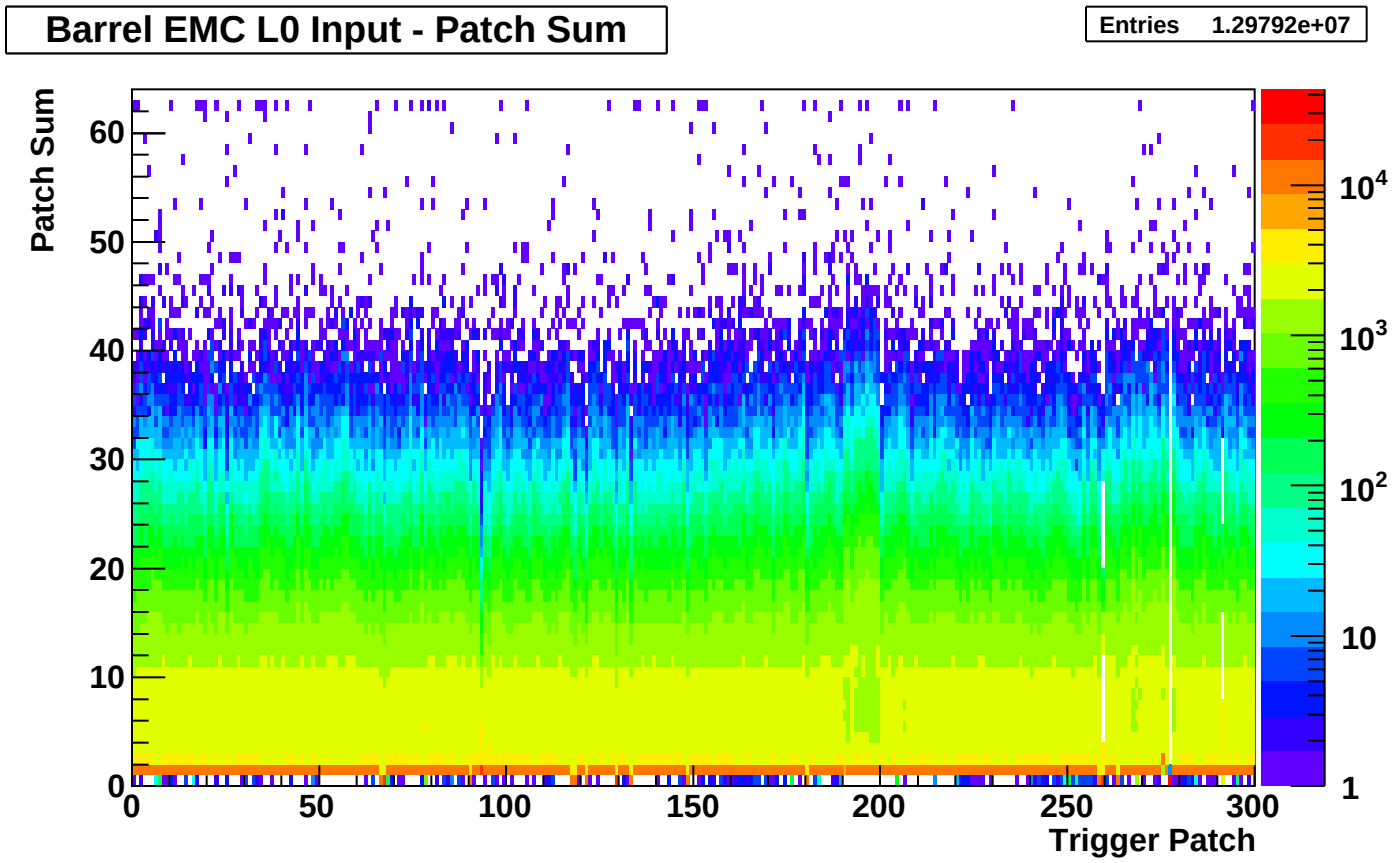

Last DSM Ch3 Input
Entries 21052
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP

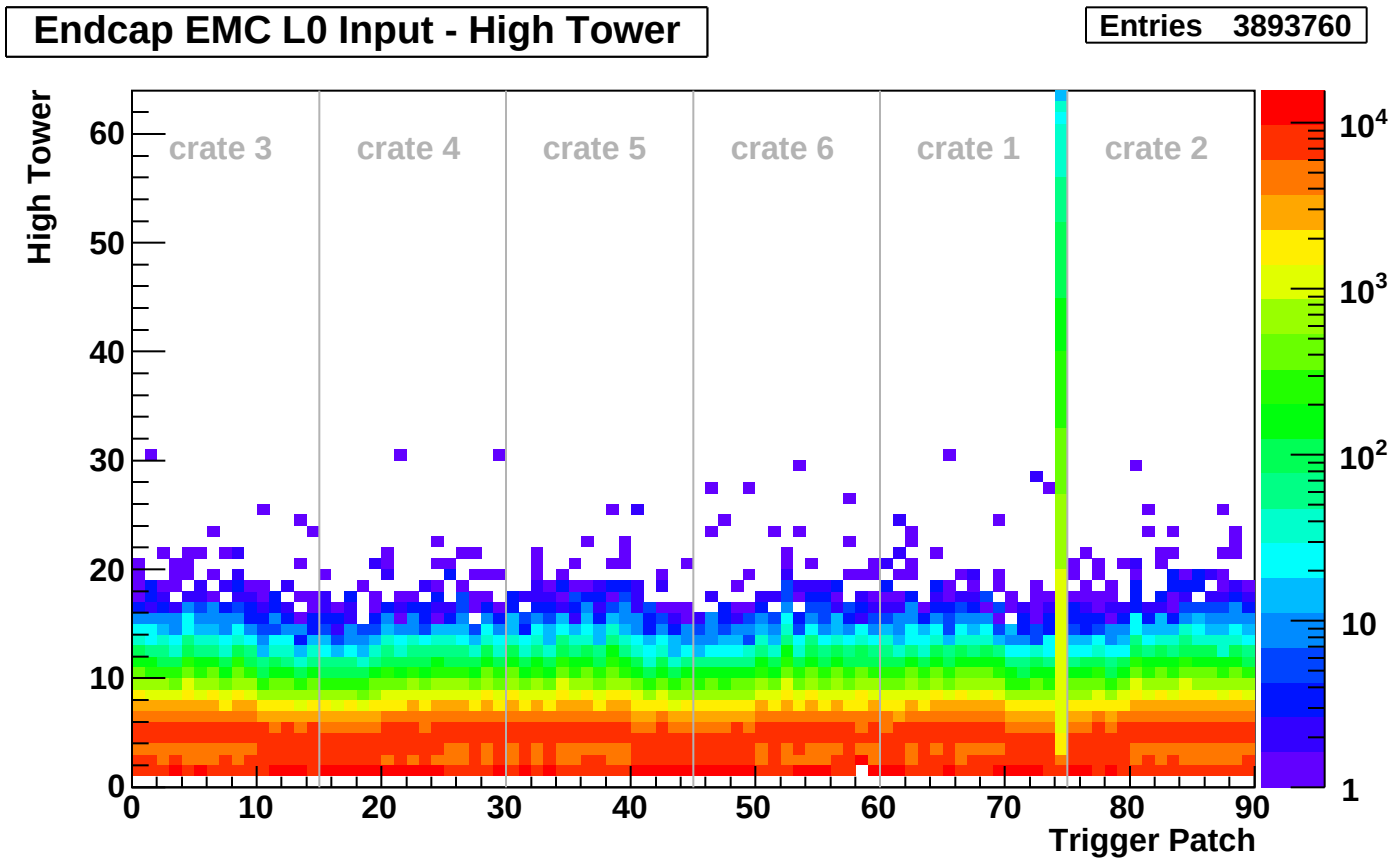

TCU bits
Entries 692224
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

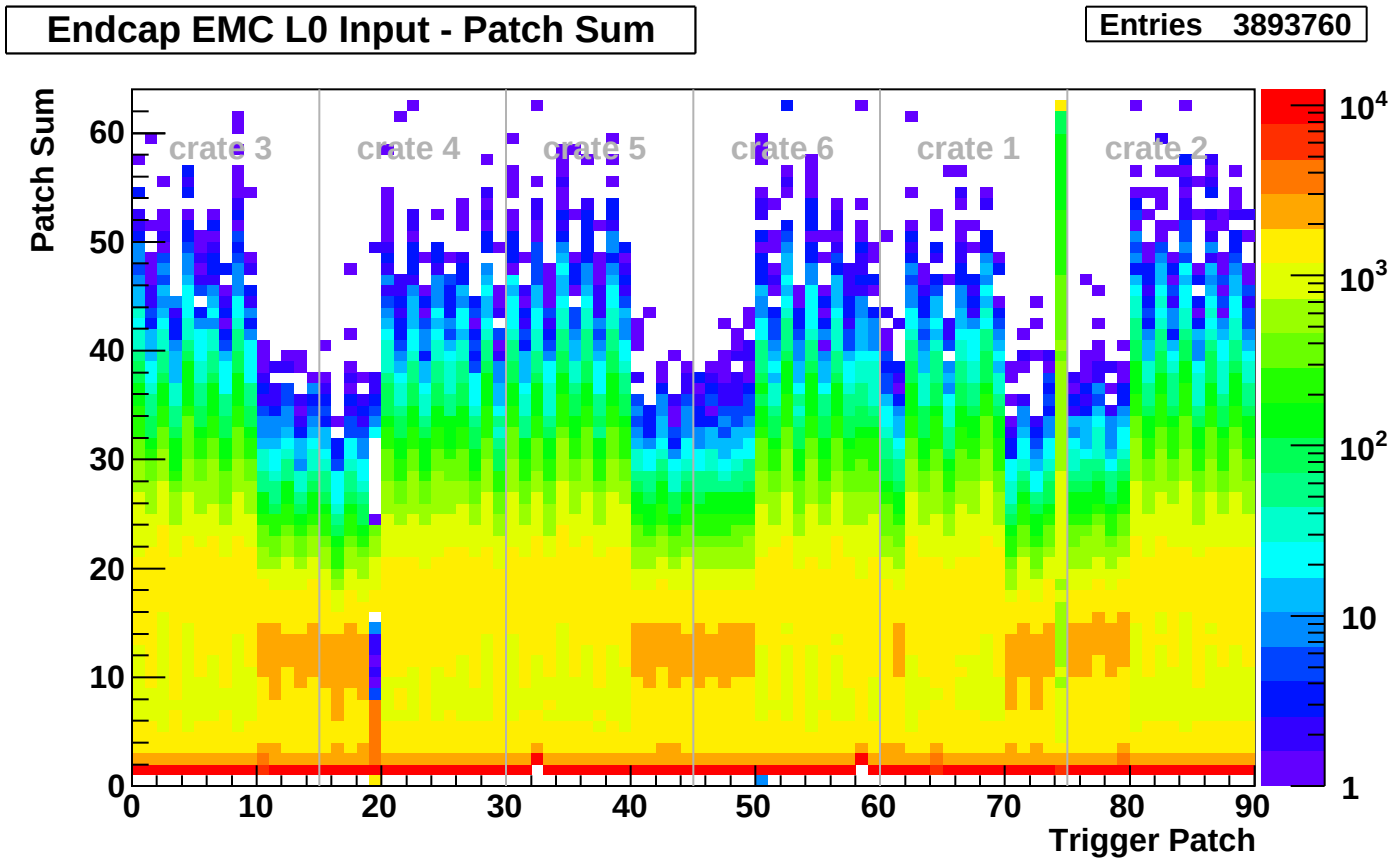

TCU bits
Entries 112854
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

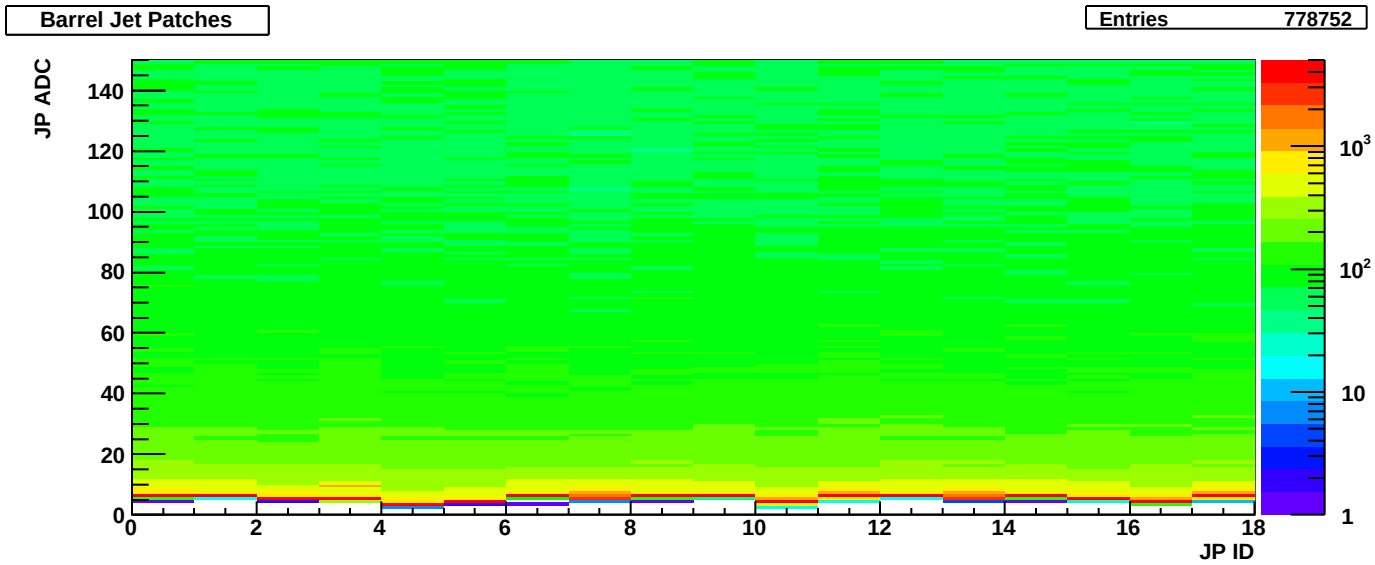

BunchId7Bit (BHT3)
Entries 603

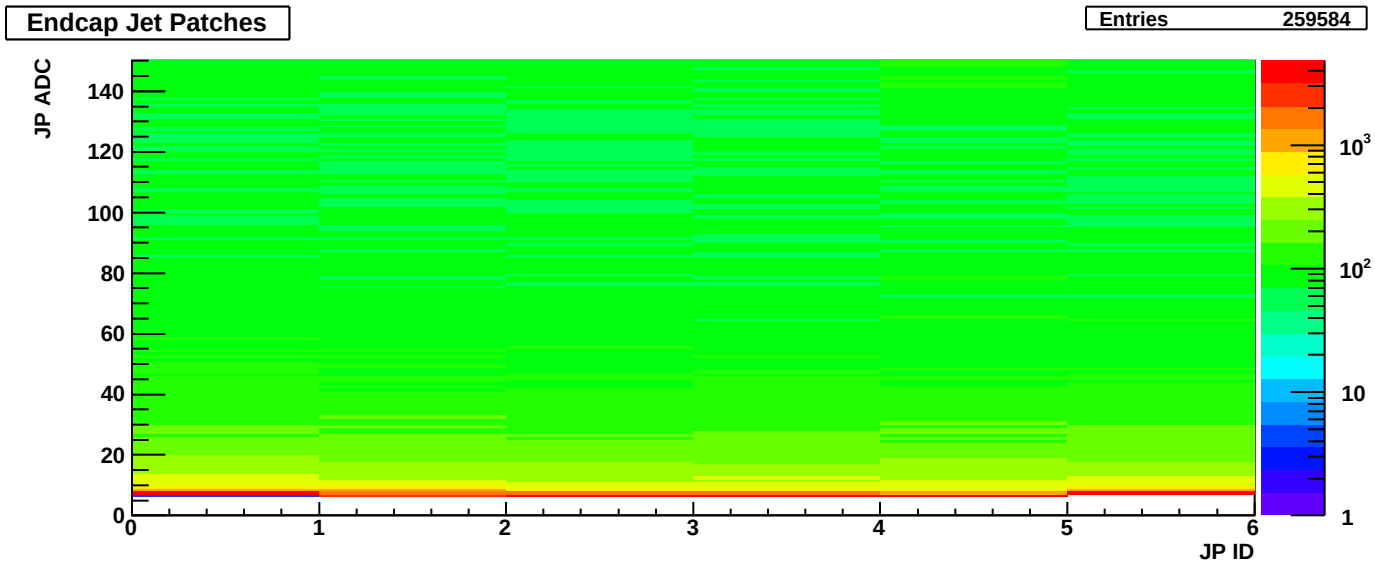

Barrel EMC L0 Input - High Tower
Entries 1.29792e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

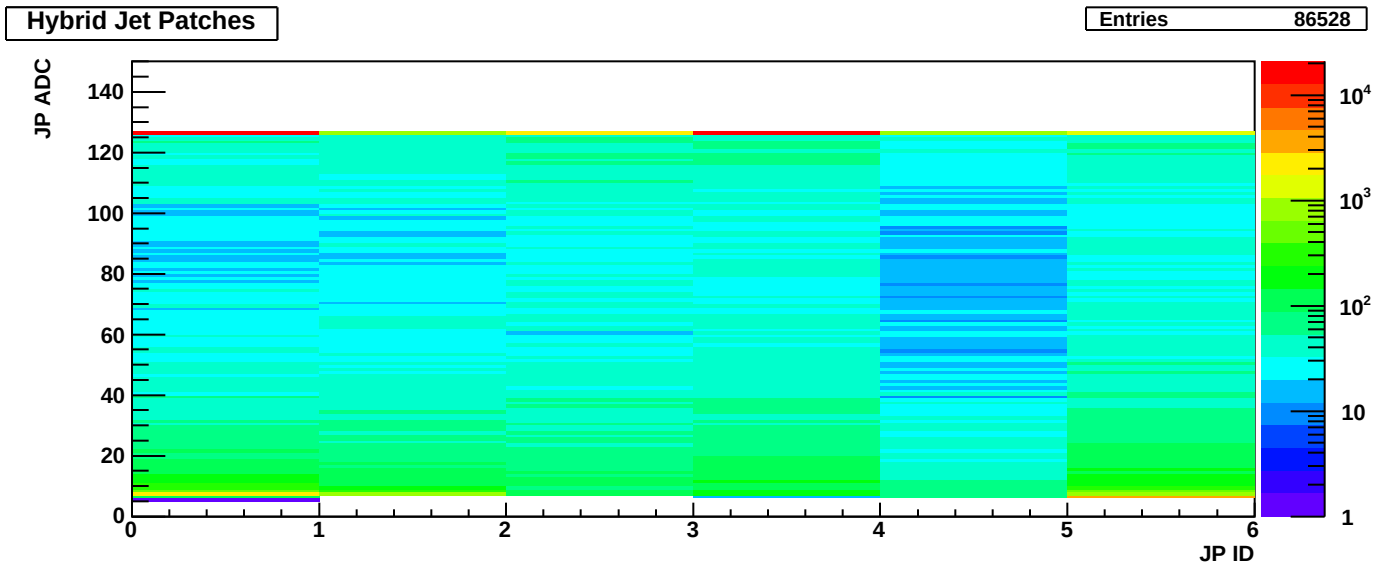

Barrel EMC L0 Input - Patch Sum
Entries 1.29792e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

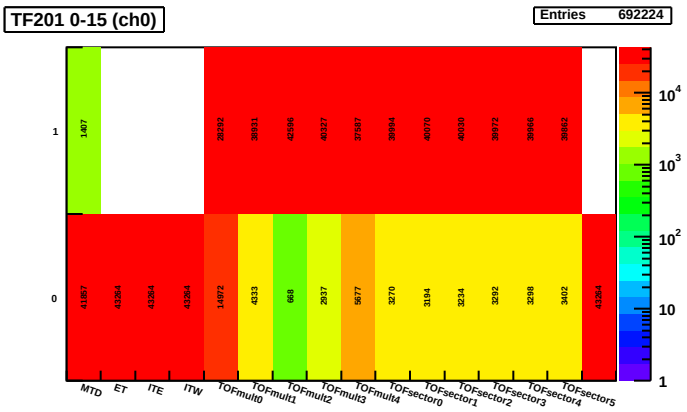

Endcap EMC L0 Input - High Tower
Entries 3893760
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

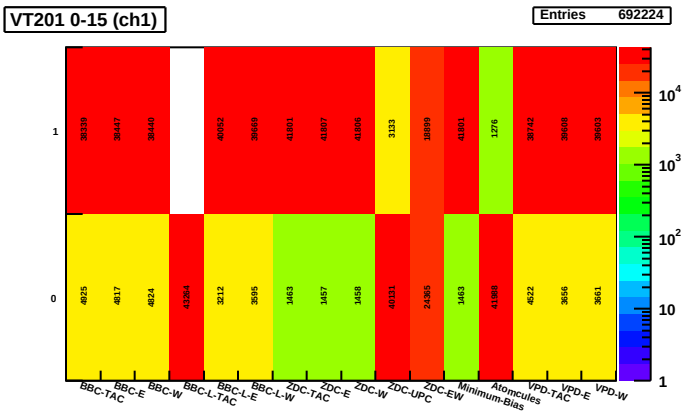

Endcap EMC L0 Input - Patch Sum
Entries 3893760
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

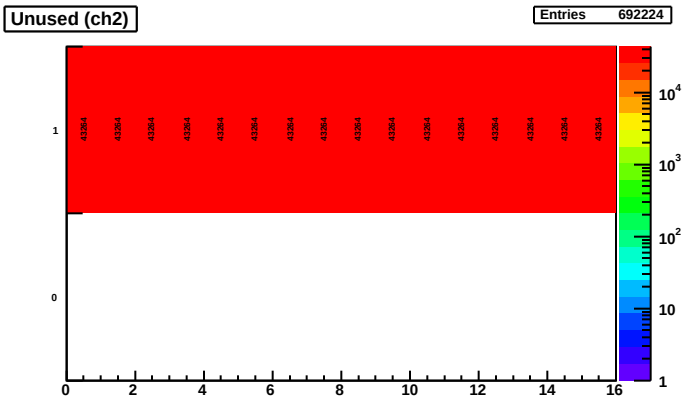

Barrel Jet Patches
Entries 778752
JP ADC
JP ID

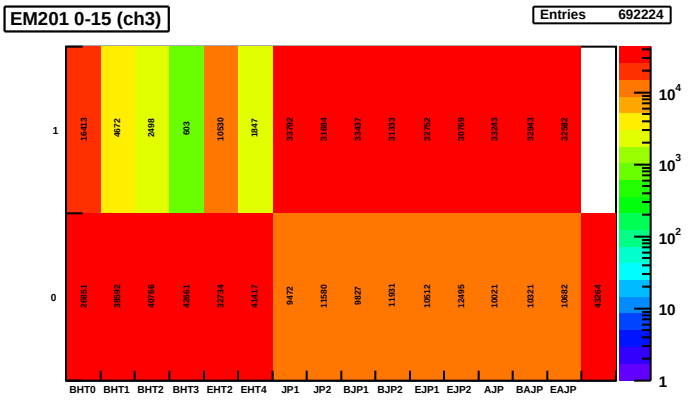

Endcap Jet Patches
Entries 259584
JP ADC
JP ID

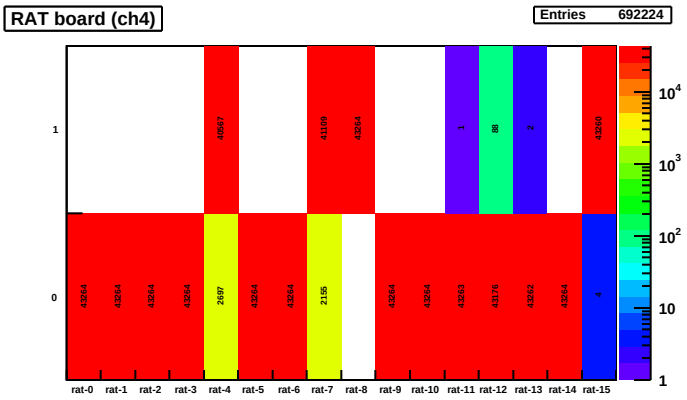

Hybrid Jet Patches
Entries 86528
JP ADC
JP ID

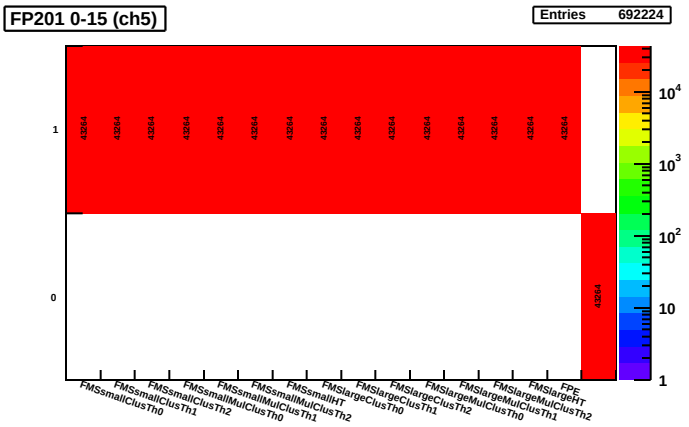

TF201 0-15 (ch0)
Entries 692224
1 1407 29292 38931 42596 40327 37587 39904 40070 40030 39972 39966 39962
0 41857 43264 43264 43264 14972 4333 668 2937 5677 3270 3194 3234 3292 3298 3402 43264
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5
1 10 10^2 10^3 10^4

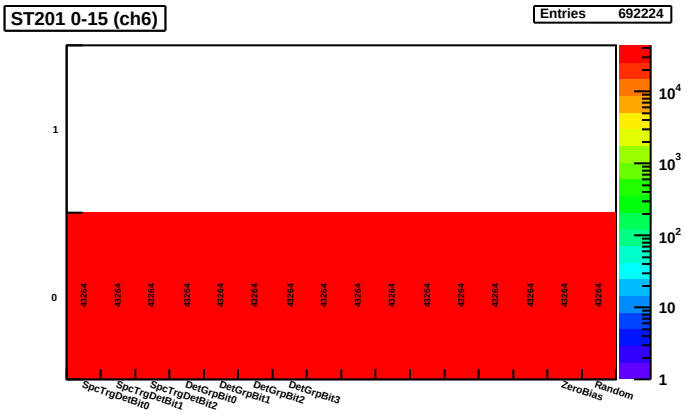

VT201 0-15 (ch1)
Entries 692224
1 38339 38447 38440 40052 39969 41801 41807 41806 3133 18899 41601 1276 39742 39608 39603
0 4925 4817 4824 43264 3212 3595 1463 1457 1458 40131 24365 1463 41988 4522 3656 3661
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W
1 10 10^2 10^3 10^4

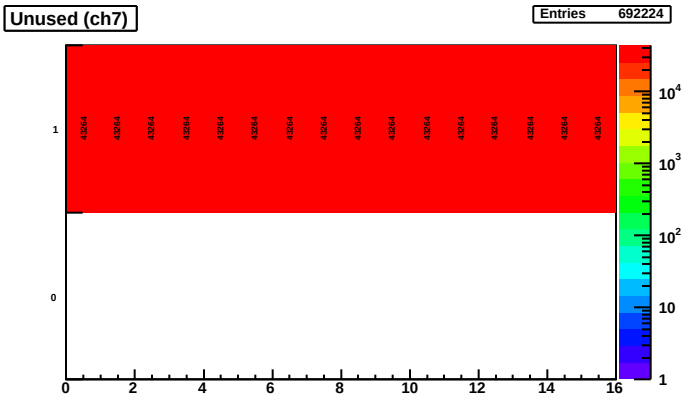

Unused (ch2)
Entries 692224
1 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264
0
0 2 4 6 8 10 12 14 16
1 10 10^2 10^3 10^4

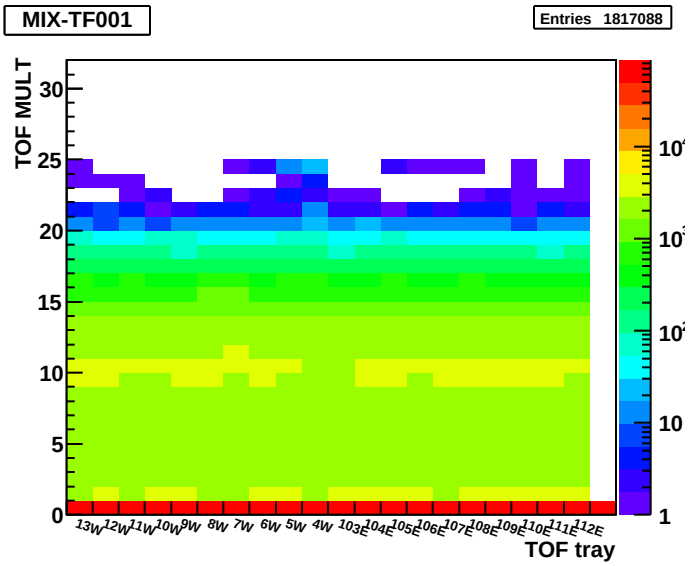

EM201 0-15 (ch3)
Entries 692224
1 15413 4672 2498 603 10930 1847 33792 31684 33437 31333 32752 30769 33243 32943 32592
0 28851 38592 40766 42661 32734 41417 9472 11580 9827 11851 10512 12495 10021 10321 10682 43264
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP
1 10 10^2 10^3 10^4

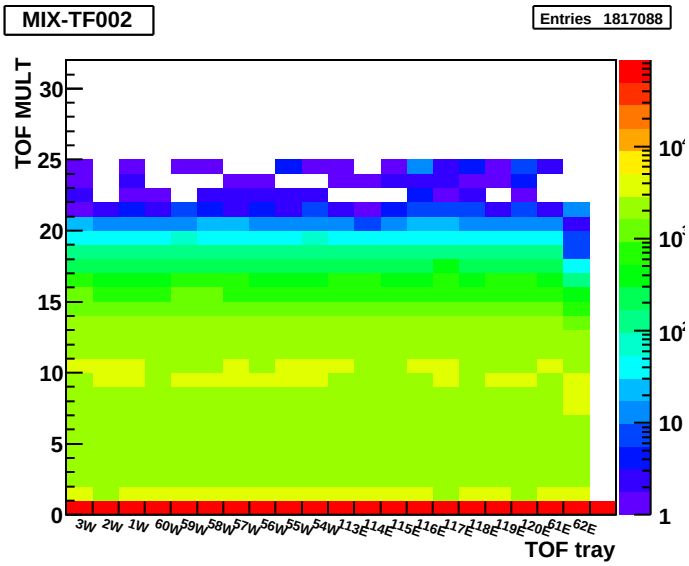

RAT board (ch4)
Entries 692224
1 40567 41109 43264 1 88 2 43200
0 43264 43264 43264 43264 2697 43264 43264 2155 43264 43264 43263 43176 43262 43264 4
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15
1 10 10^2 10^3 10^4

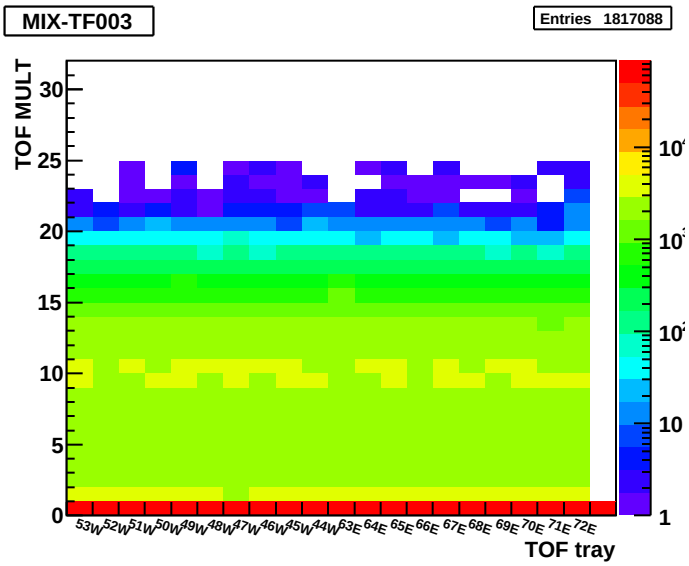

FP201 0-15 (ch5)
Entries 692224
1 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264
0 43264
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE
1 10 10^2 10^3 10^4

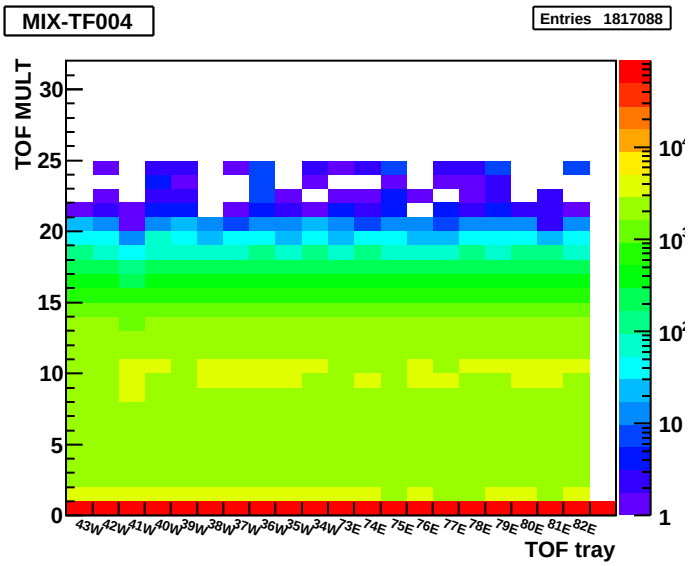

ST201 0-15 (ch6)
Entries 692224
1
0 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random
1 10 10^2 10^3 10^4

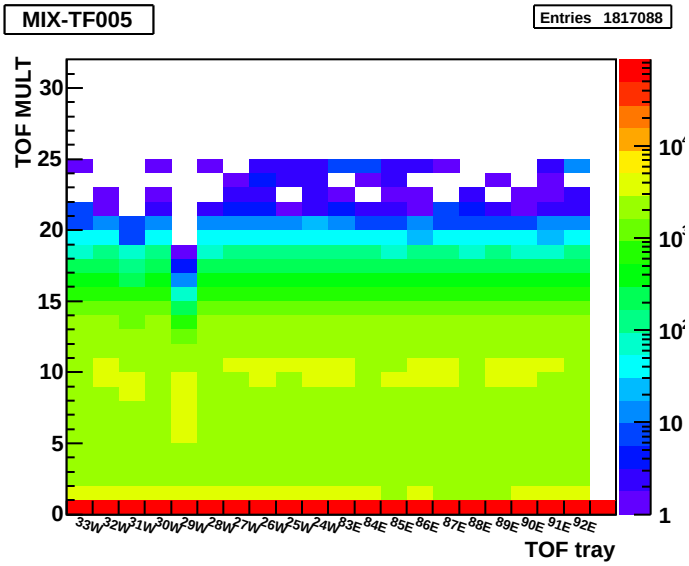

Unused (ch7)
Entries 692224
1 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264 43264
0
0 2 4 6 8 10 12 14 16
1 10 10^2 10^3 10^4

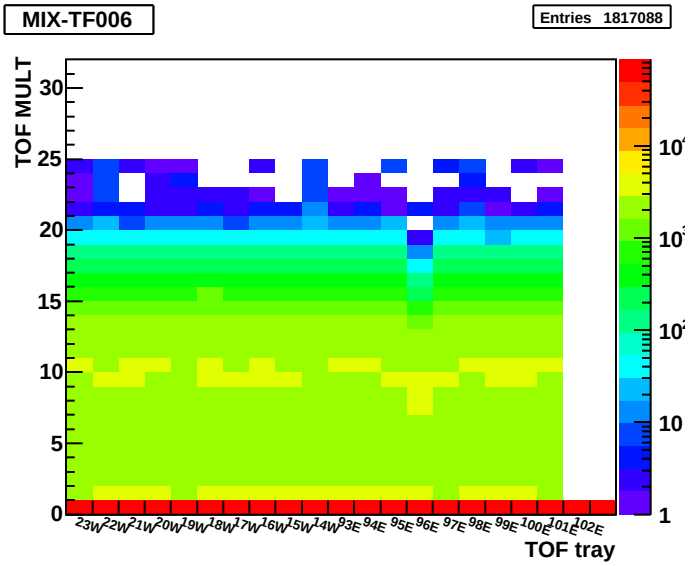

MIX-TF001
Entries 1817088
TOF MULT
TOF tray

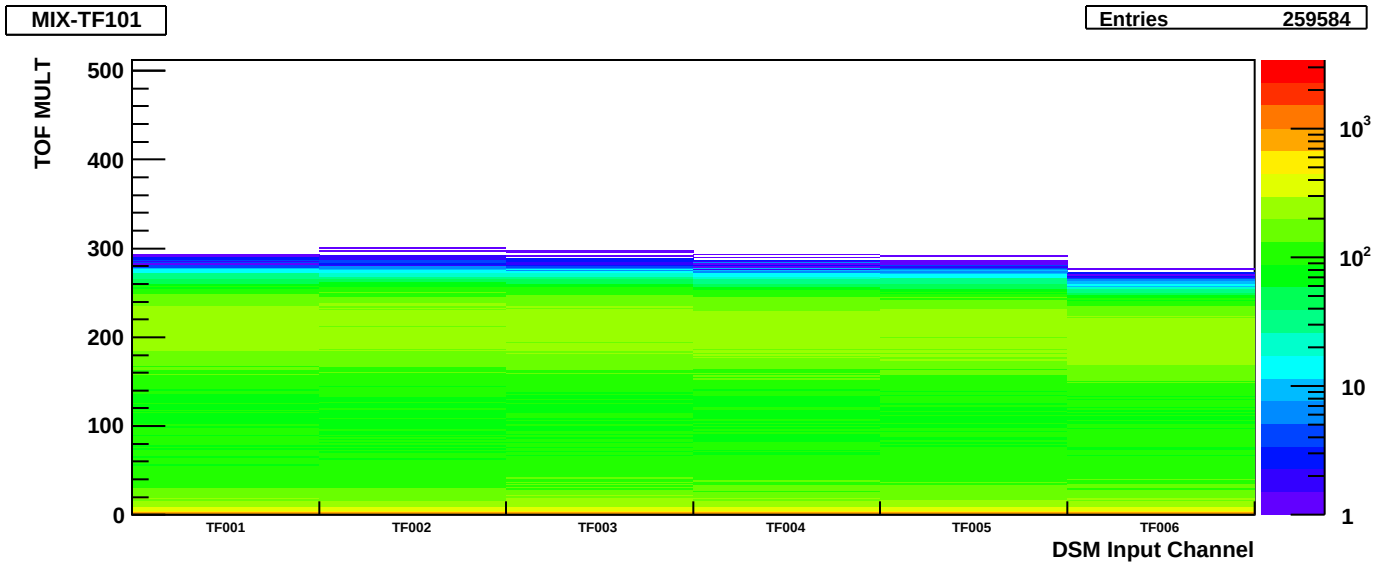

MIX-TF002
Entries 1817088
TOF MULT
TOF tray

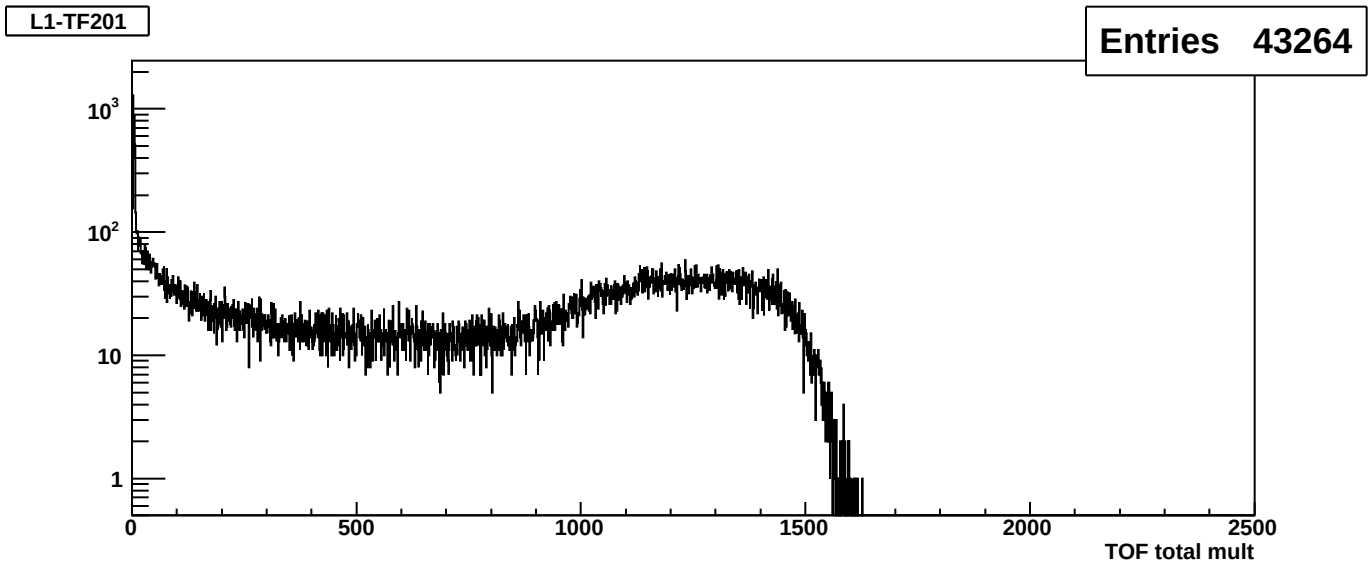

MIX-TF003
Entries 1817088
TOF MULT
TOF tray

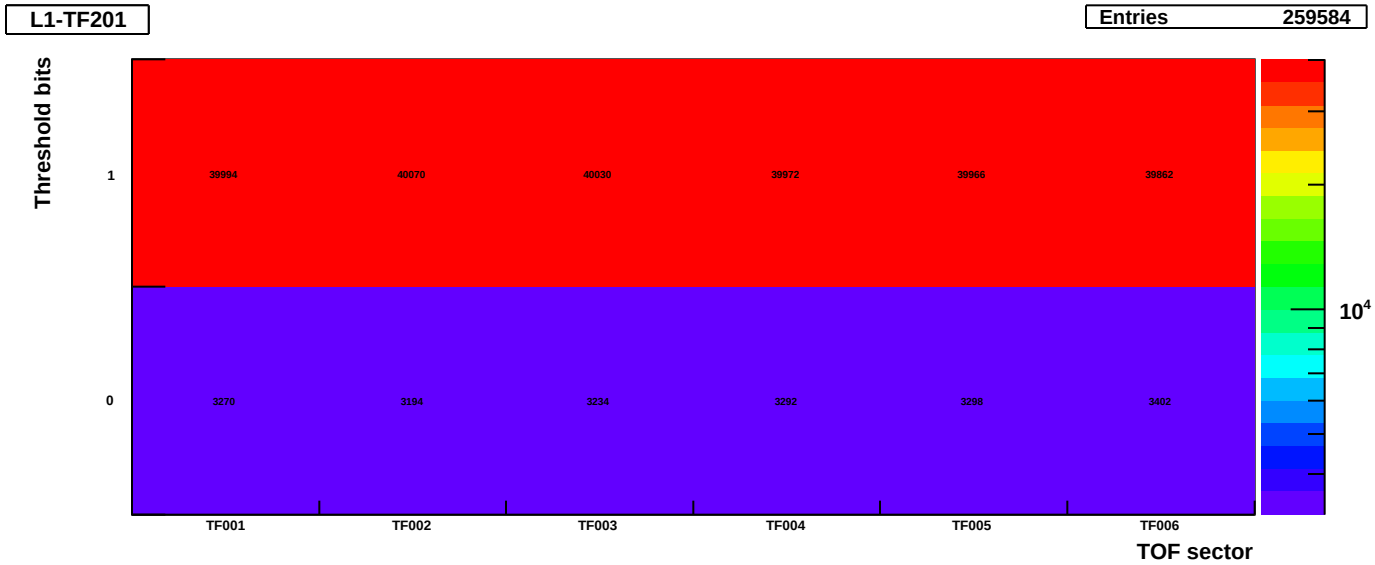

MIX-TF004
Entries 1817088
TOF MULT
TOF tray

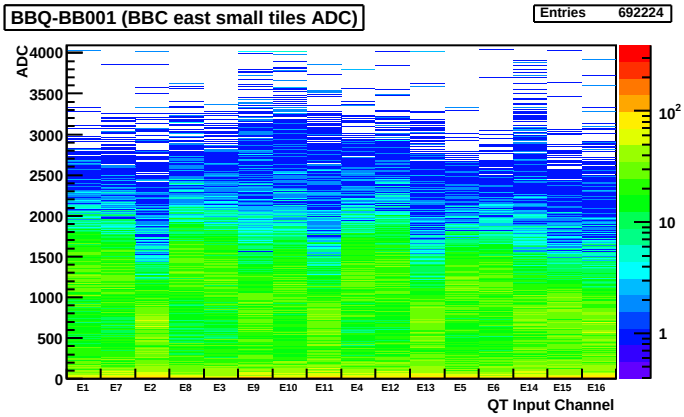

MIX-TF005
Entries 1817088
TOF MULT
TOF tray

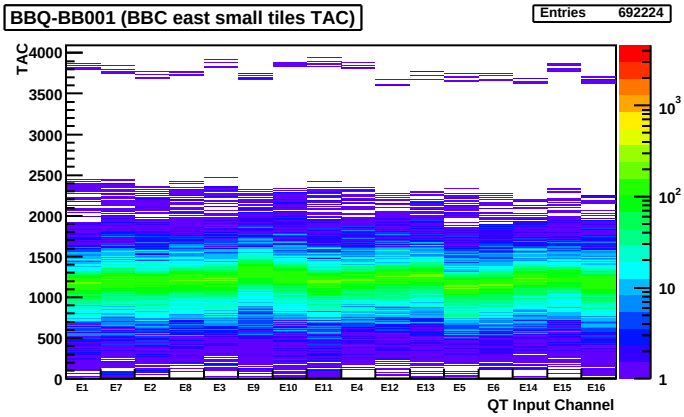

MIX-TF006
Entries 1817088
TOF MULT
TOF tray

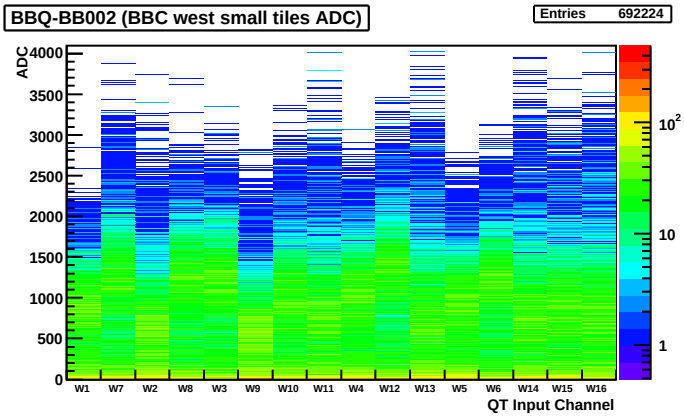

MIX-TF101
Entries 259584
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

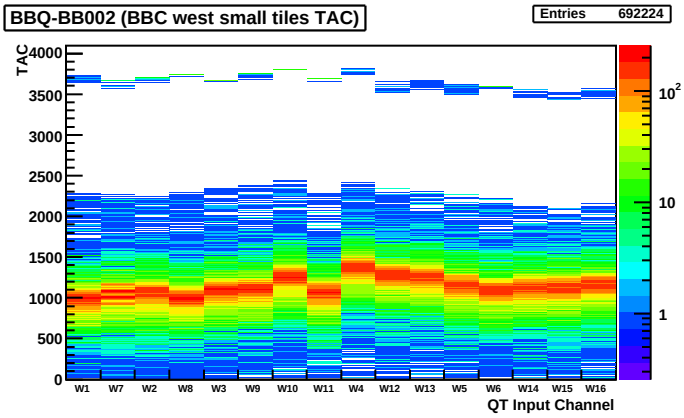

L1-TF201
Entries 43264
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

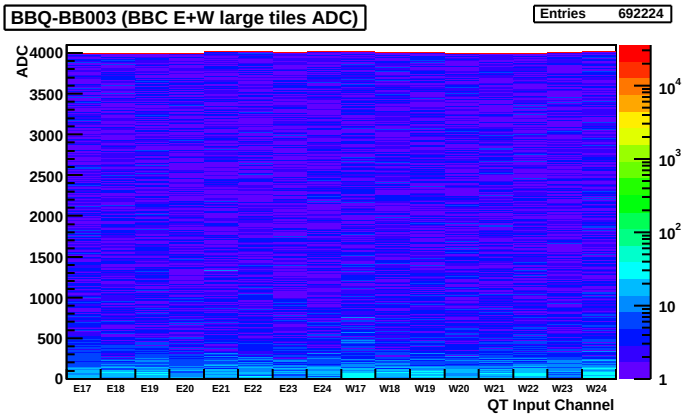

L1-TF201
Entries 259584
Threshold bits
1
0
39994
40070
40030
39972
39966
39862
3270
3194
3234
3292
3298
3402
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

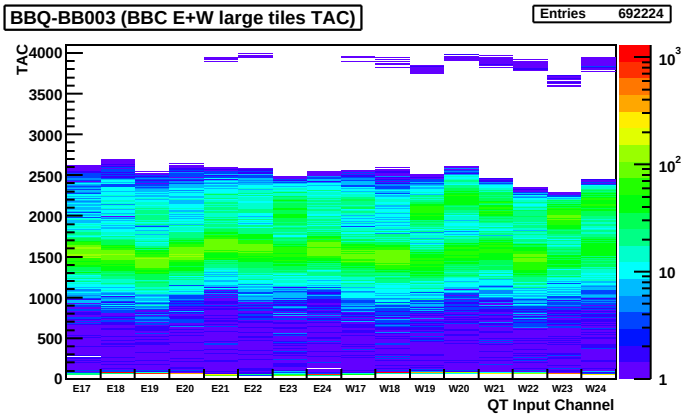

BBQ-BB001 (BBC east small tiles ADC)
Entries 692224
ADC
QT Input Channel

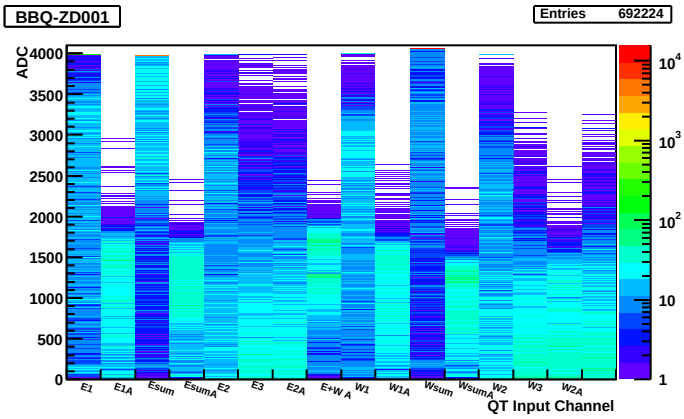

BBQ-BB001 (BBC east small tiles TAC)
Entries 692224
TAC
QT Input Channel

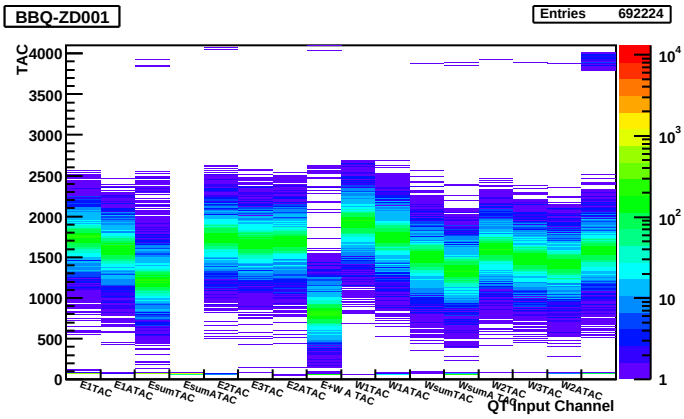

BBQ-BB002 (BBC west small tiles ADC)
Entries 692224
ADC
QT Input Channel

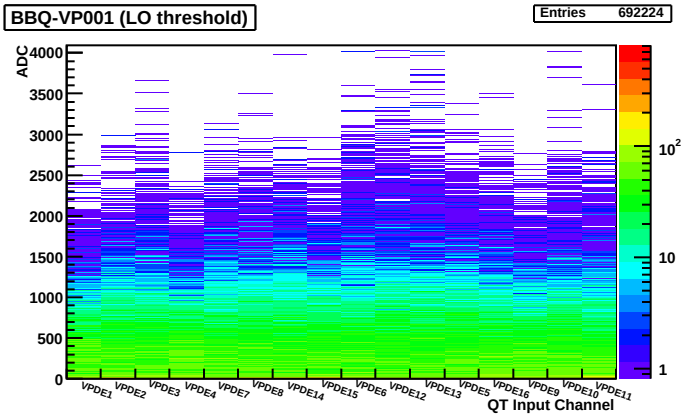

BBQ-BB002 (BBC west small tiles TAC)
Entries 692224
TAC
QT Input Channel

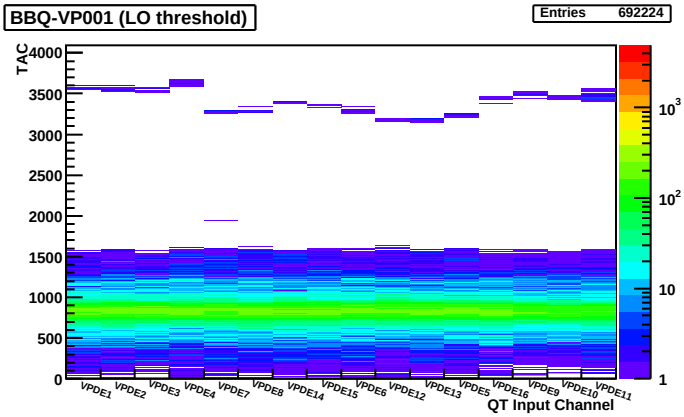

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 692224
ADC
QT Input Channel

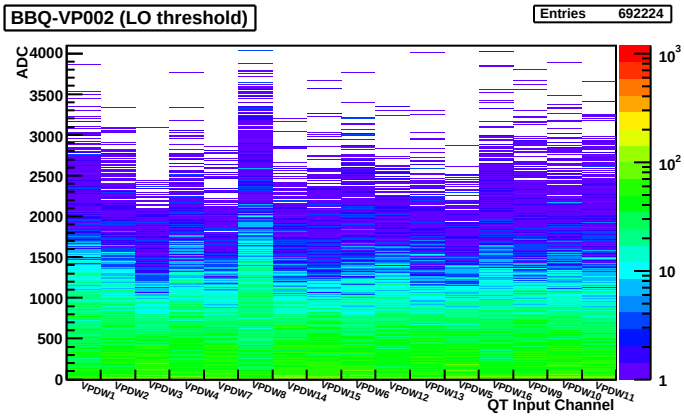

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 692224
TAC
QT Input Channel

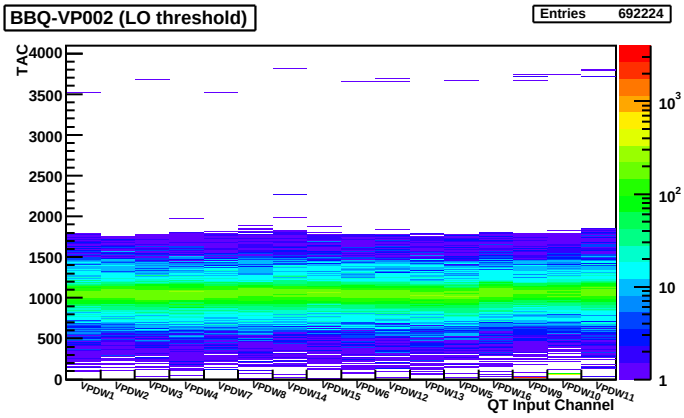

BBQ-ZD001
Entries 692224
ADC
QT Input Channel

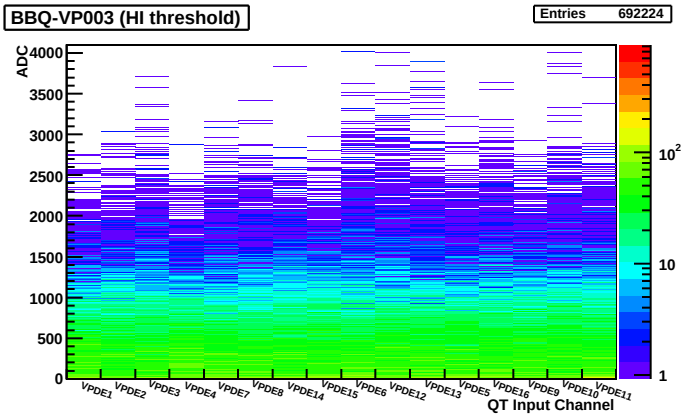

BBQ-ZD001
Entries 692224
TAC
QT Input Channel

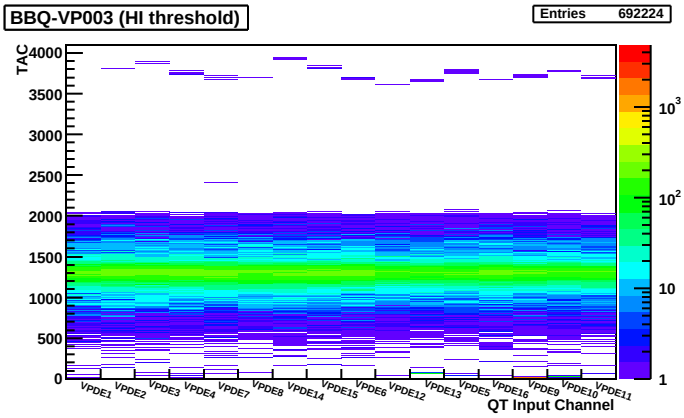

BBQ-VP001 (LO threshold)
Entries 692224
ADC
QT Input Channel

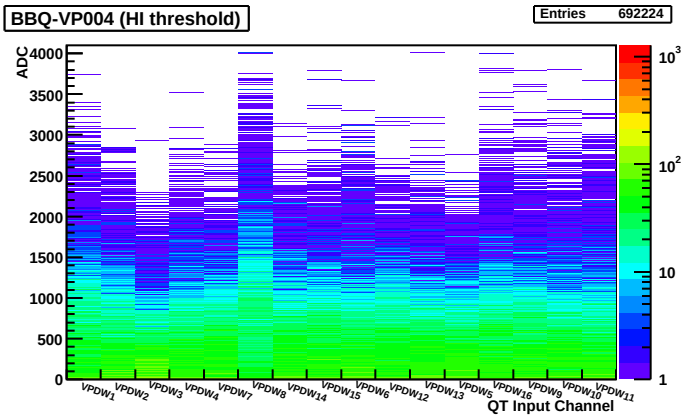

BBQ-VP001 (LO threshold)
Entries 692224
TAC
QT Input Channel

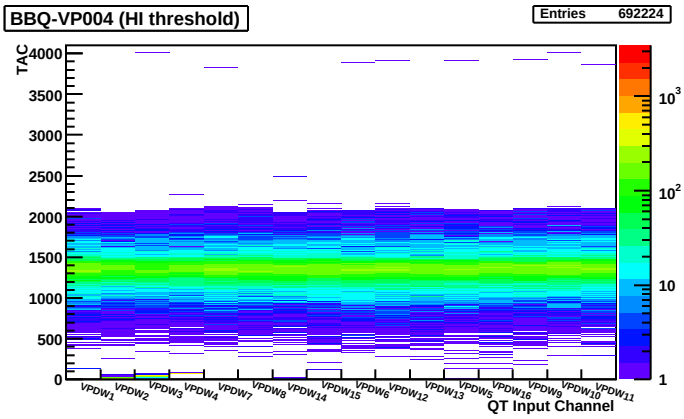

BBQ-VP002 (LO threshold)
Entries 692224
ADC
QT Input Channel


BBQ-VP002 (LO threshold)
Entries 692224
TAC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 692224
ADC
QT Input Channel


BBQ-VP003 (HI threshold)
Entries 692224
TAC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 692224
ADC
QT Input Channel


BBQ-VP004 (HI threshold)
Entries 692224
TAC
QT Input Channel