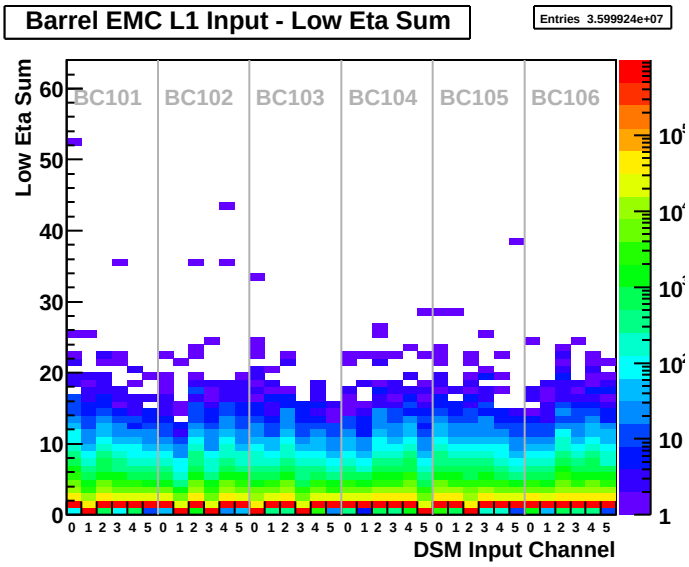
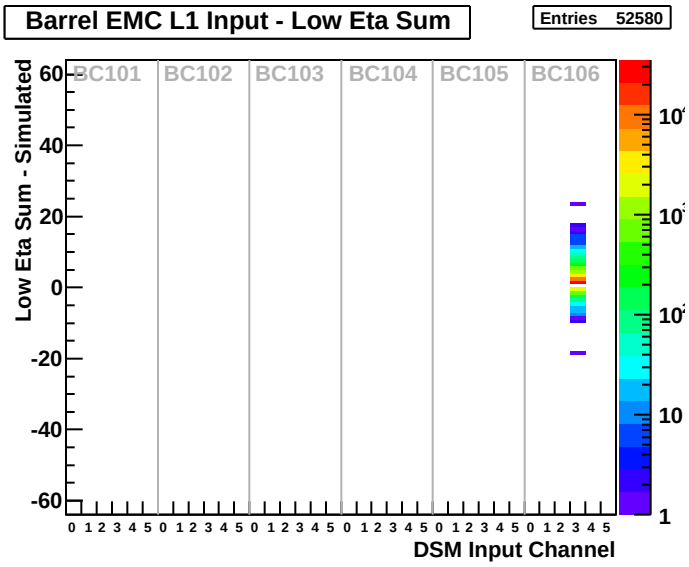
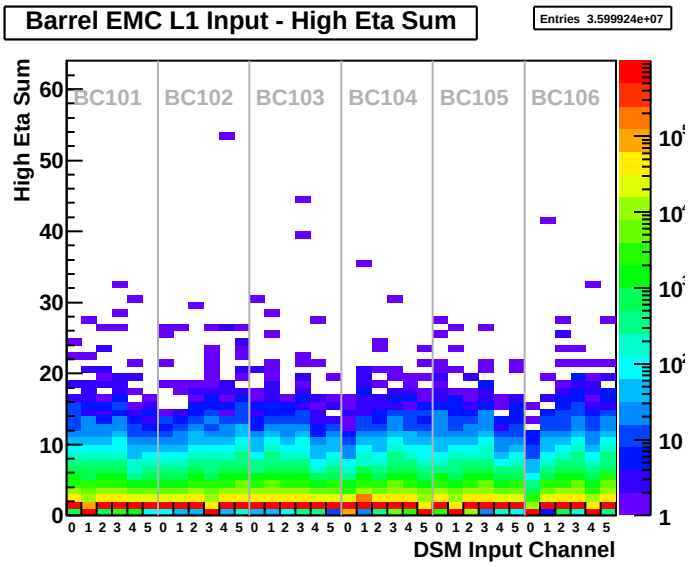
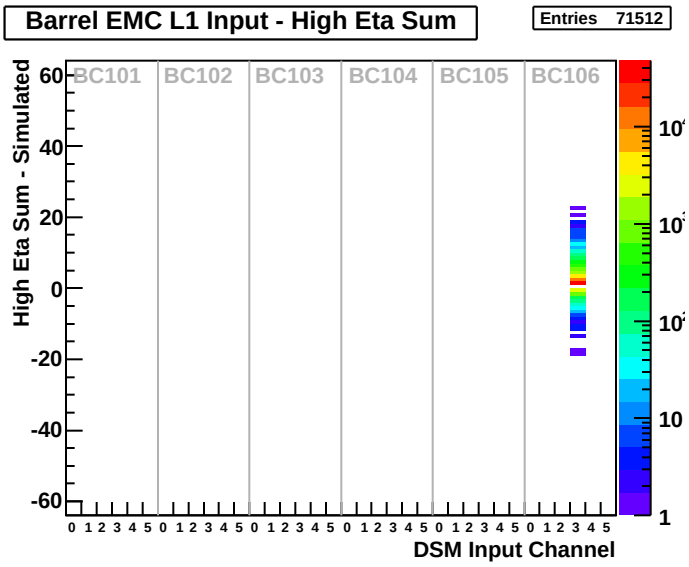
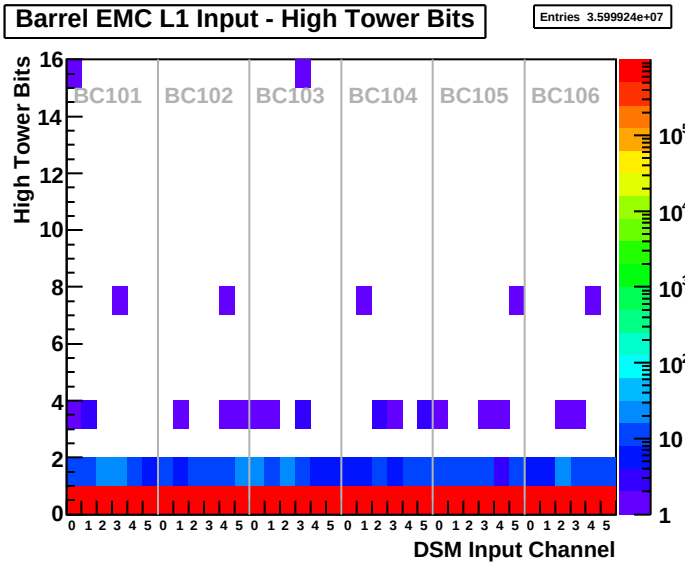
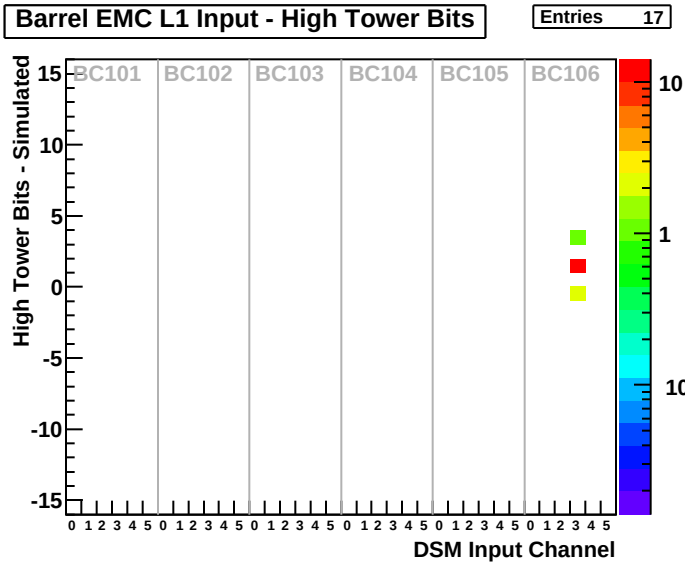

Barrel EMC L1 Input - Low Eta Sum
Entries 3.599924e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

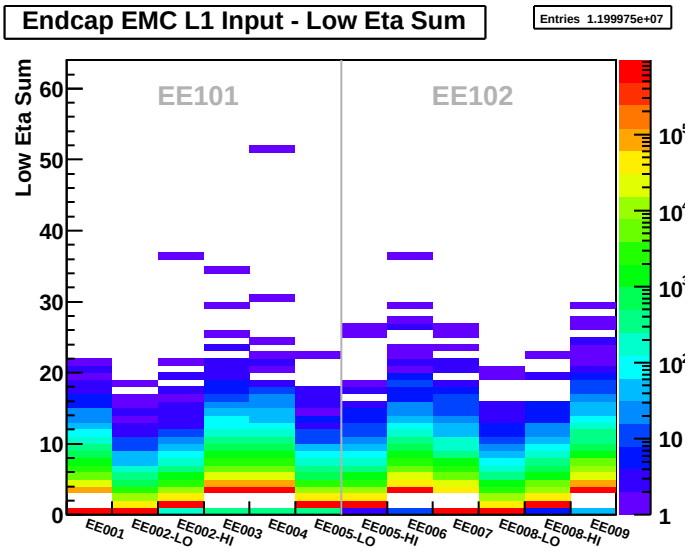

Barrel EMC L1 Input - Low Eta Sum
Entries 52580
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

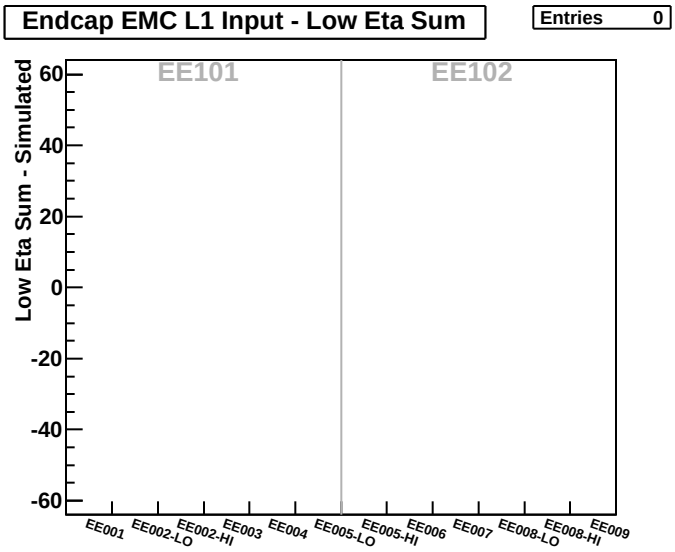

Barrel EMC L1 Input - High Eta Sum
Entries 3.599924e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

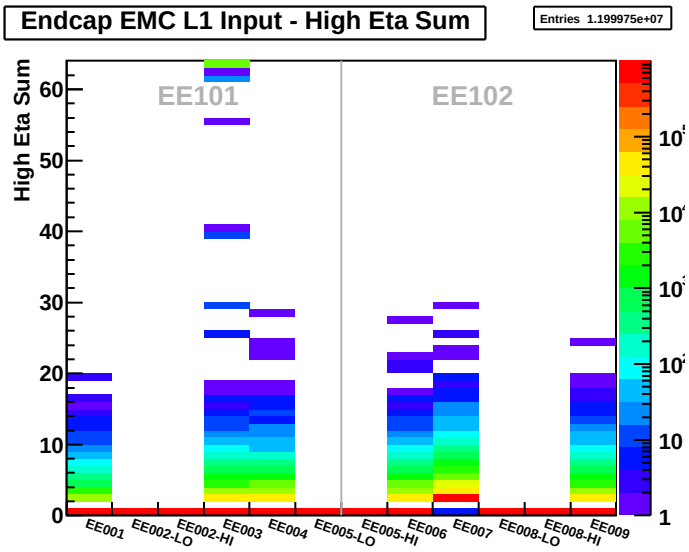

Barrel EMC L1 Input - High Eta Sum
Entries 71512
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

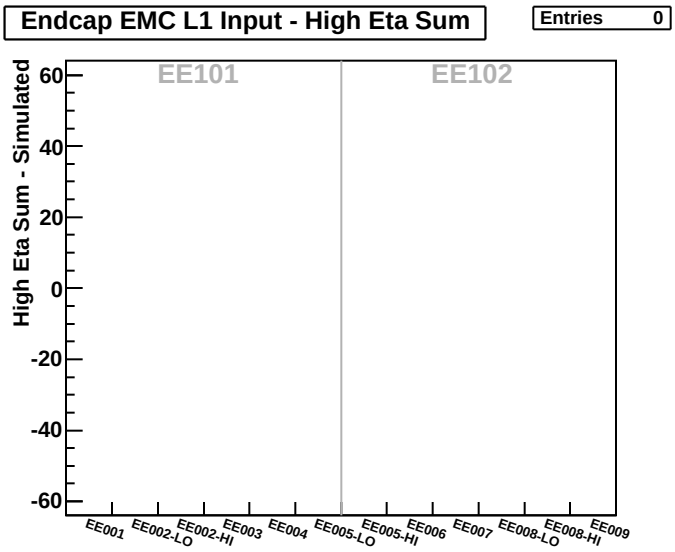

Barrel EMC L1 Input - High Tower Bits
Entries 3.599924e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

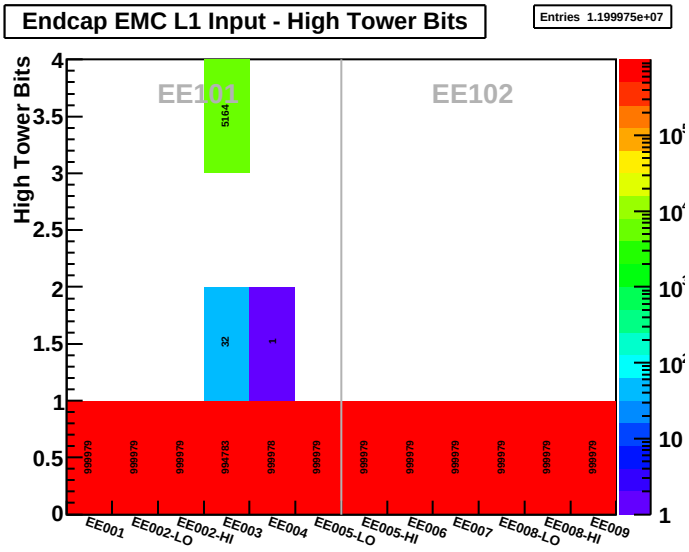

Barrel EMC L1 Input - High Tower Bits
Entries 17
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

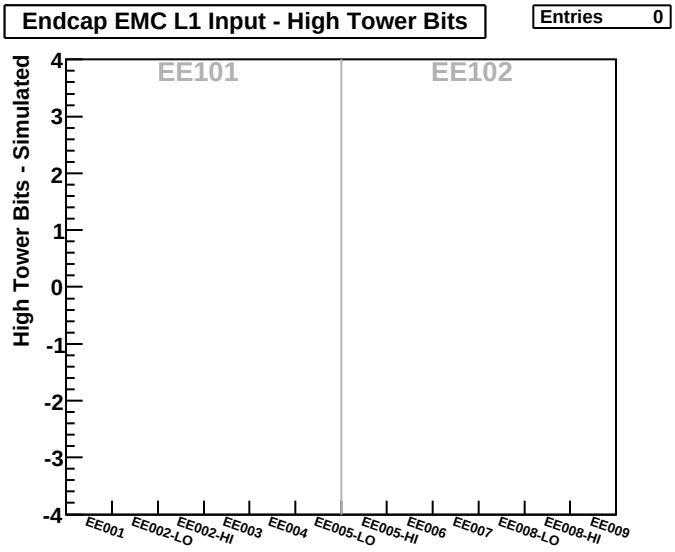

Endcap EMC L1 Input - Low Eta Sum
Entries 1.199975e+07
Low Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

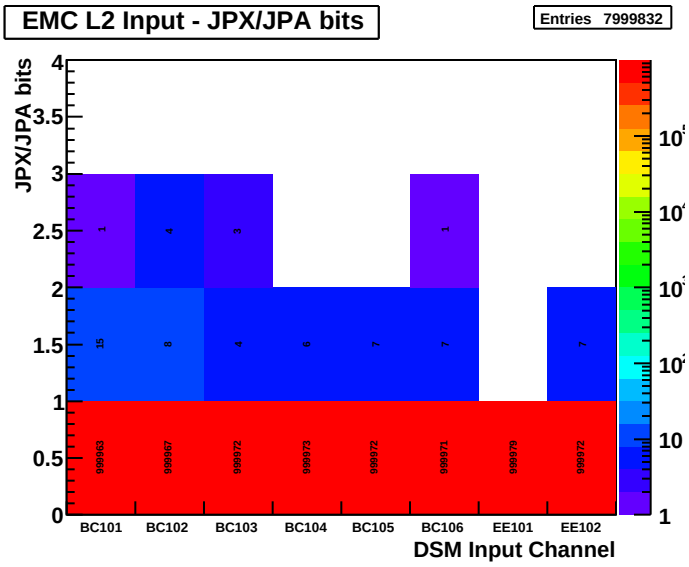

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

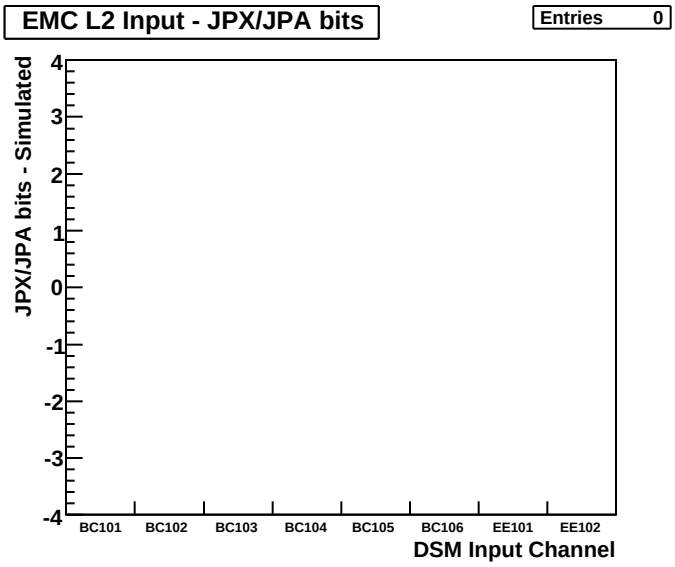

Endcap EMC L1 Input - High Eta Sum
Entries 1.199975e+07
High Eta Sum
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

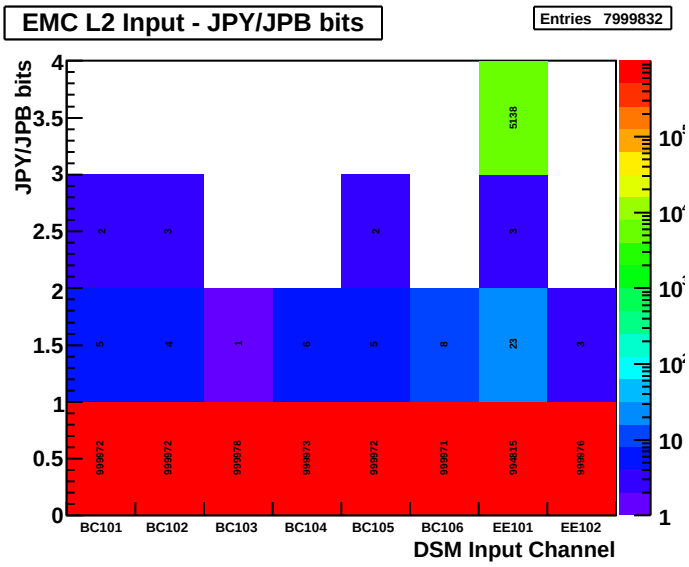

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

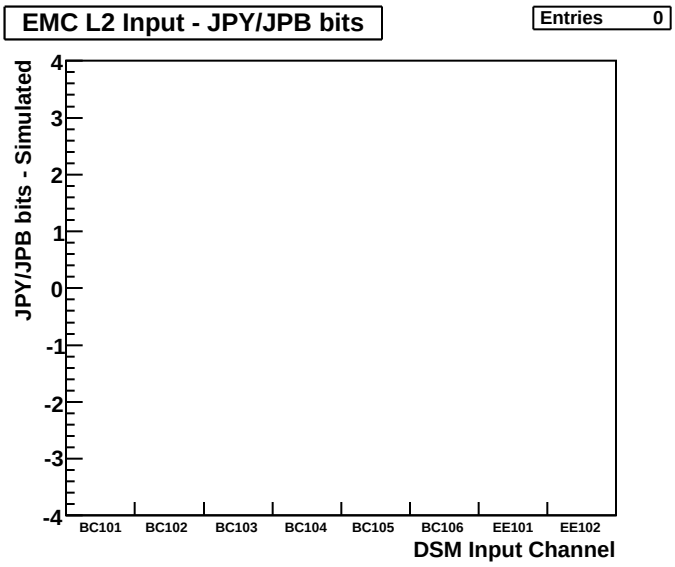

Endcap EMC L1 Input - High Tower Bits
Entries 1.199975e+07
High Tower Bits
EE101
EE102
5164
32
1
999979
994763
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

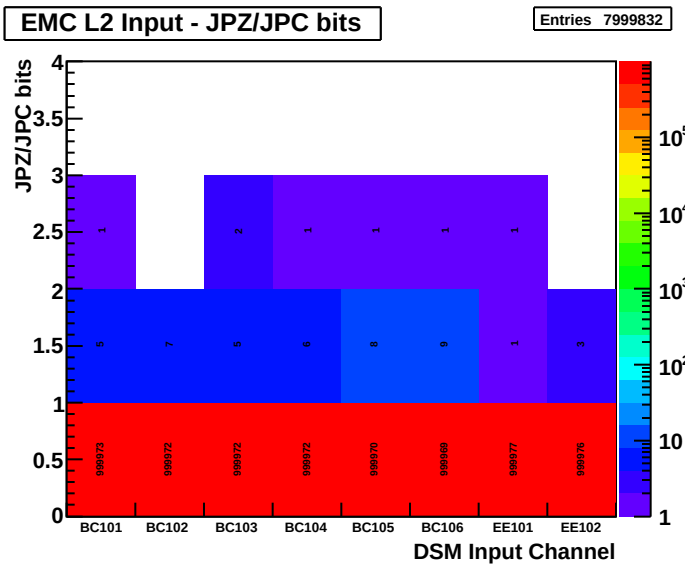

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001
EE002-LO
EE002-HI
EE003
EE004
EE005-LO
EE005-HI
EE006
EE007
EE008-LO
EE008-HI
EE009

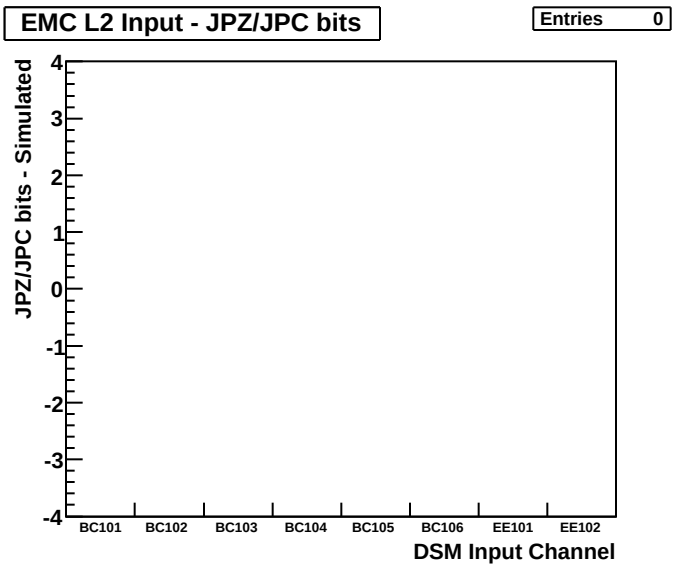

EMC L2 Input - JPX/JPA bits
Entries 7999832
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

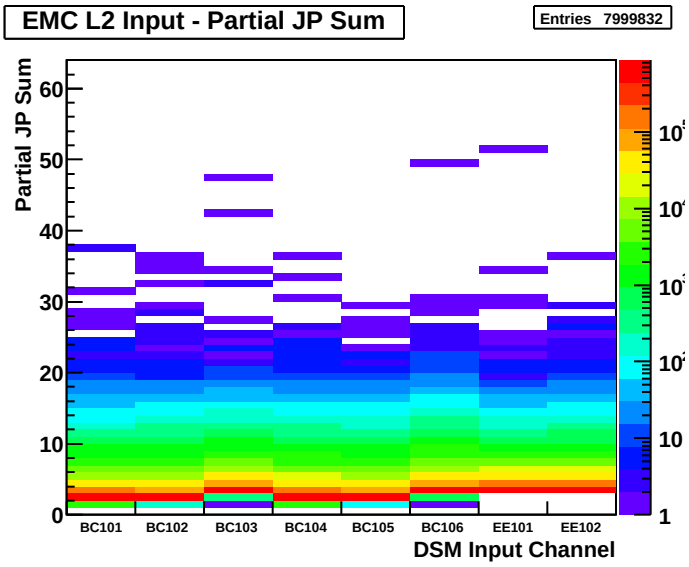

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

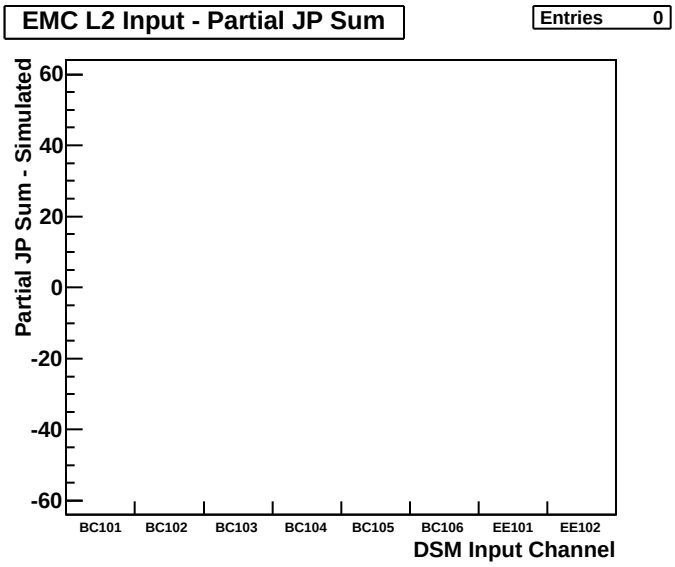

EMC L2 Input - JPY/JPB bits
Entries 7999832
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

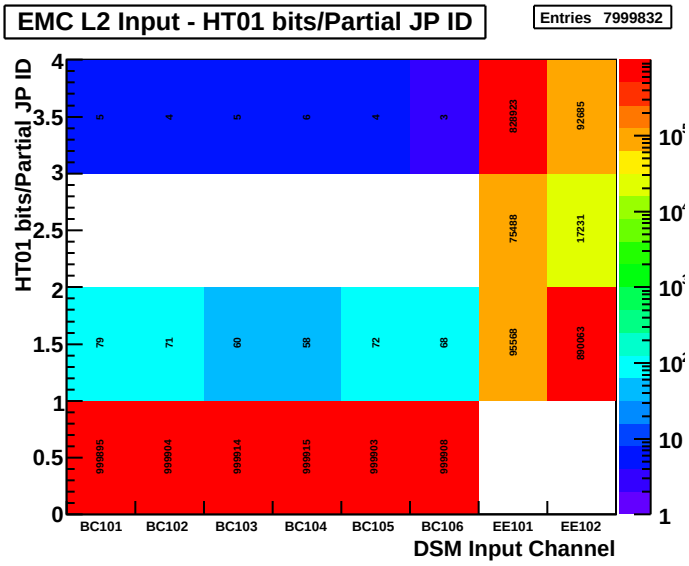

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

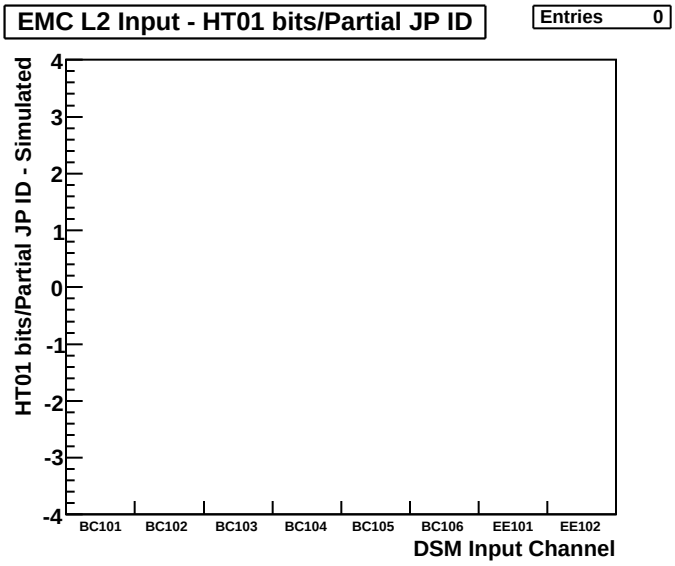

EMC L2 Input - JPZ/JPC bits
Entries 7999832
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

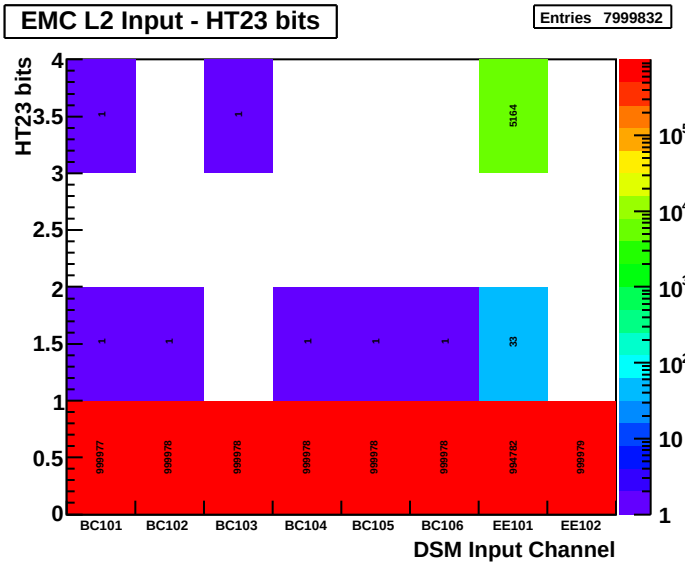

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

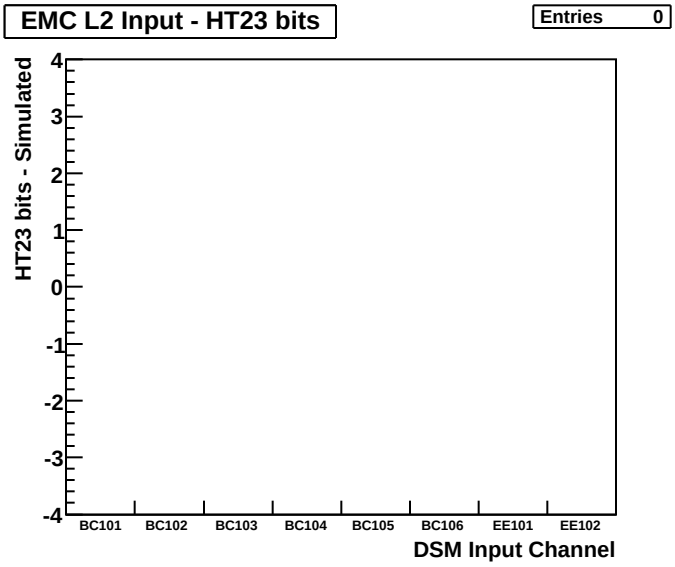

EMC L2 Input - Partial JP Sum
Entries 7999832
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

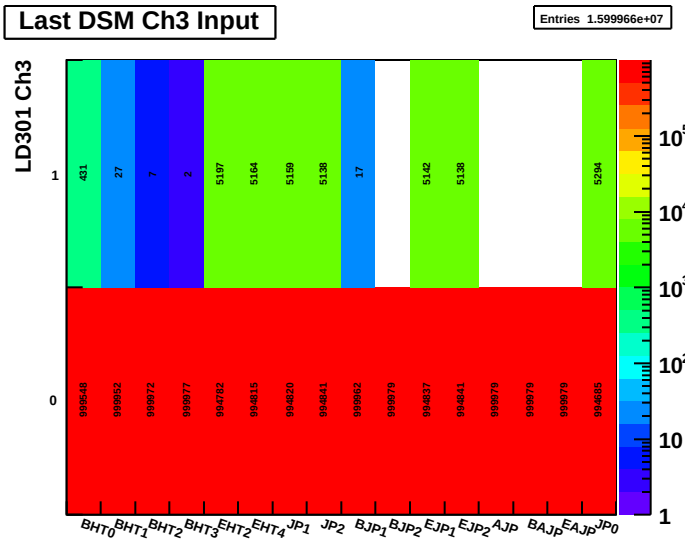

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

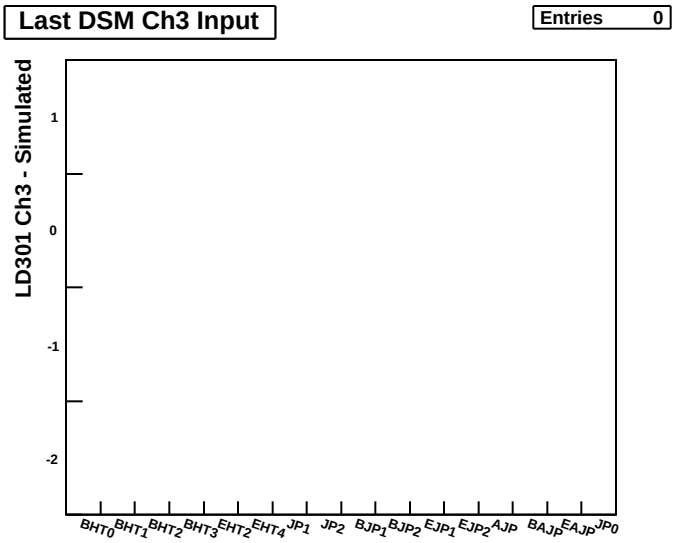

EMC L2 Input - HT01 bits/Partial JP ID
Entries 7999832
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

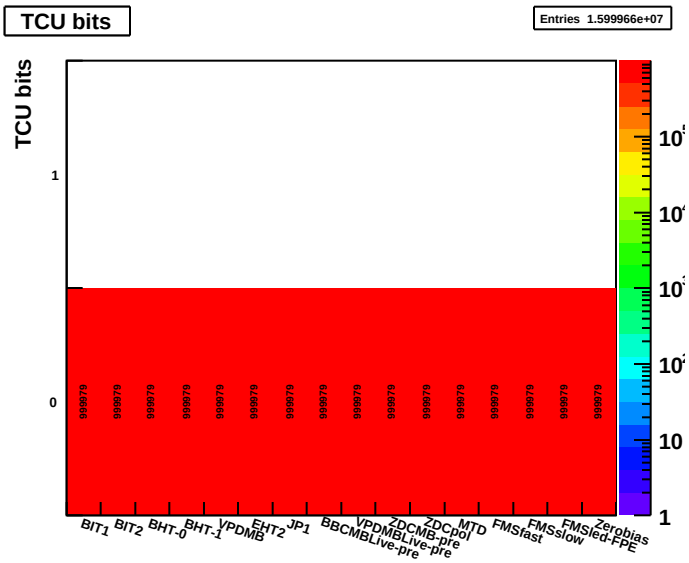

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

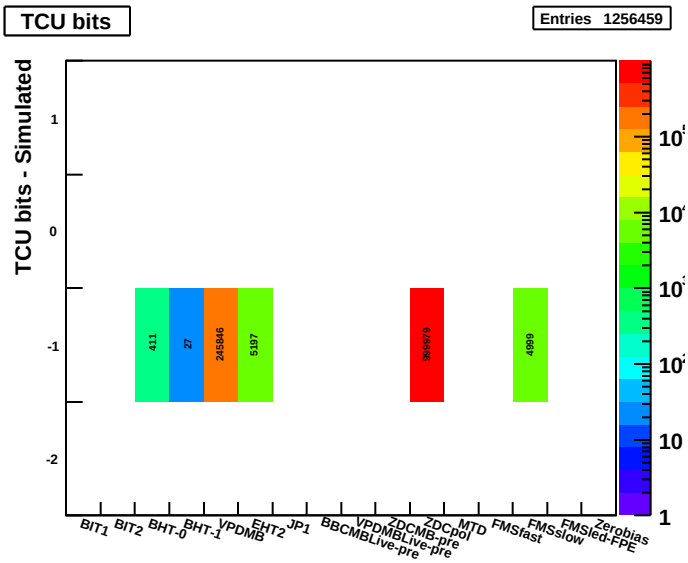

EMC L2 Input - HT23 bits
Entries 7999832
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

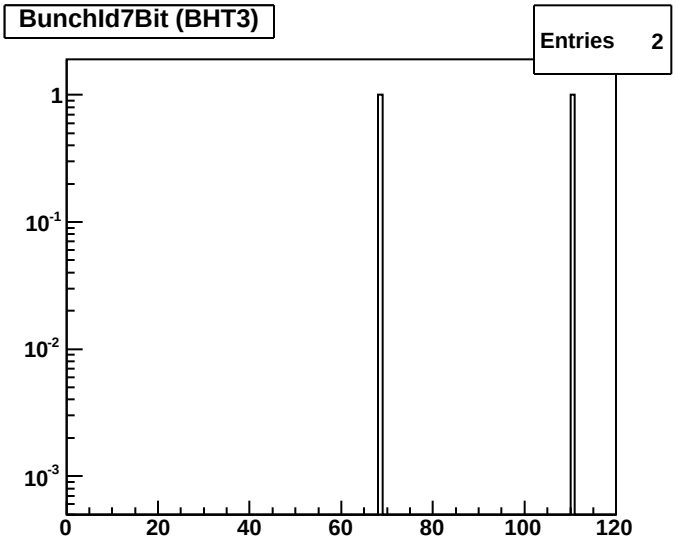

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

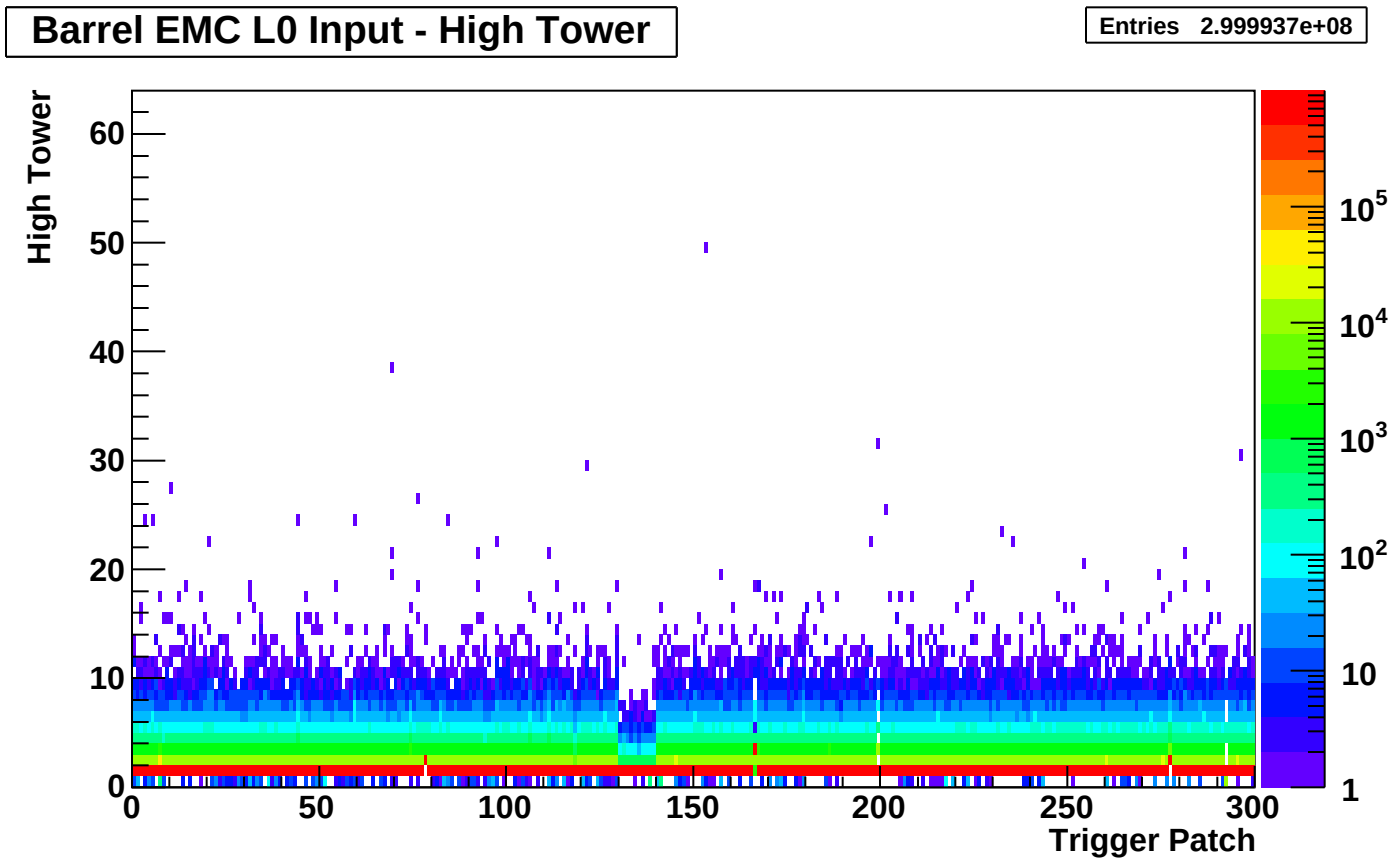

Last DSM Ch3 Input
Entries 1.599966e+07
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

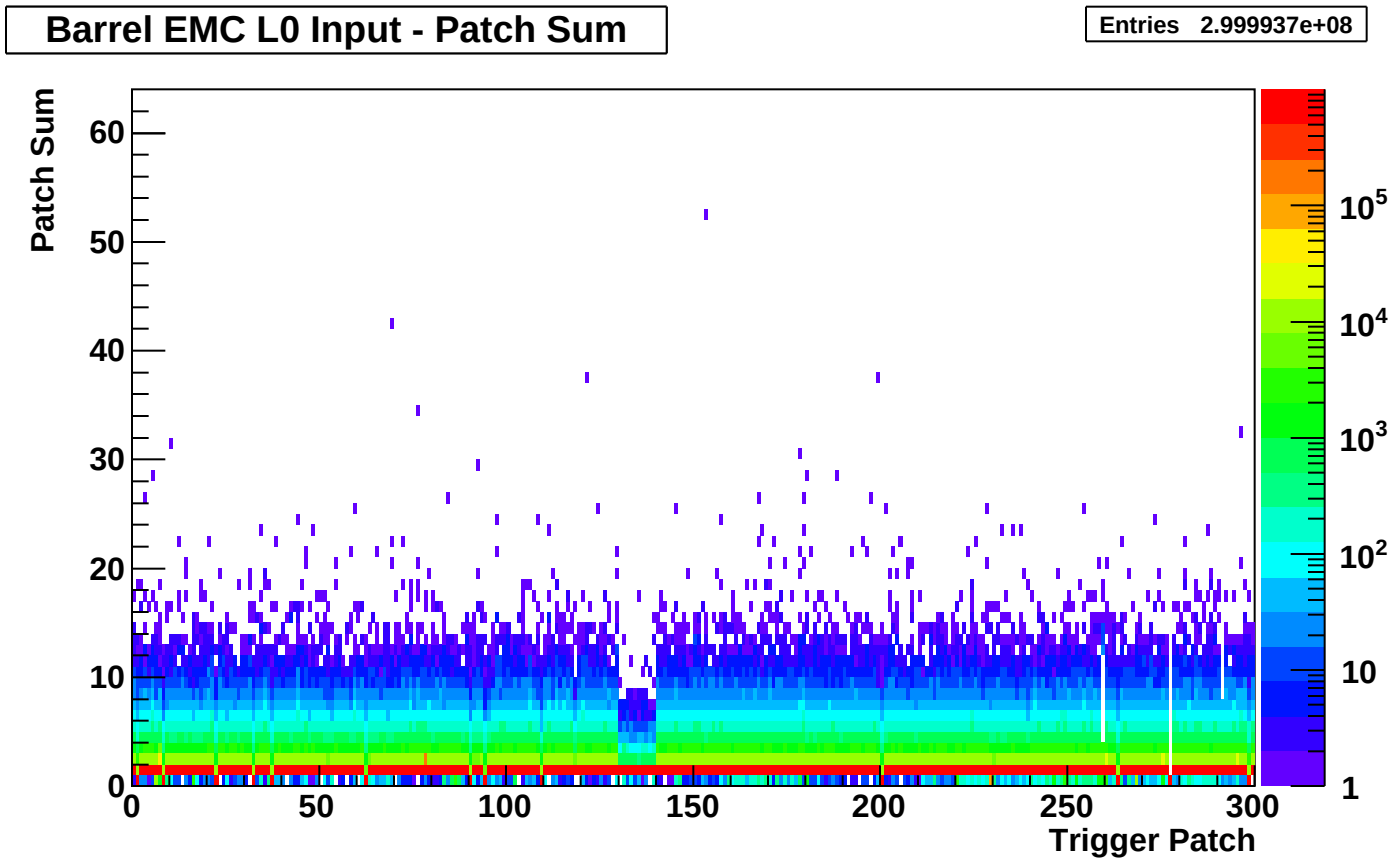

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

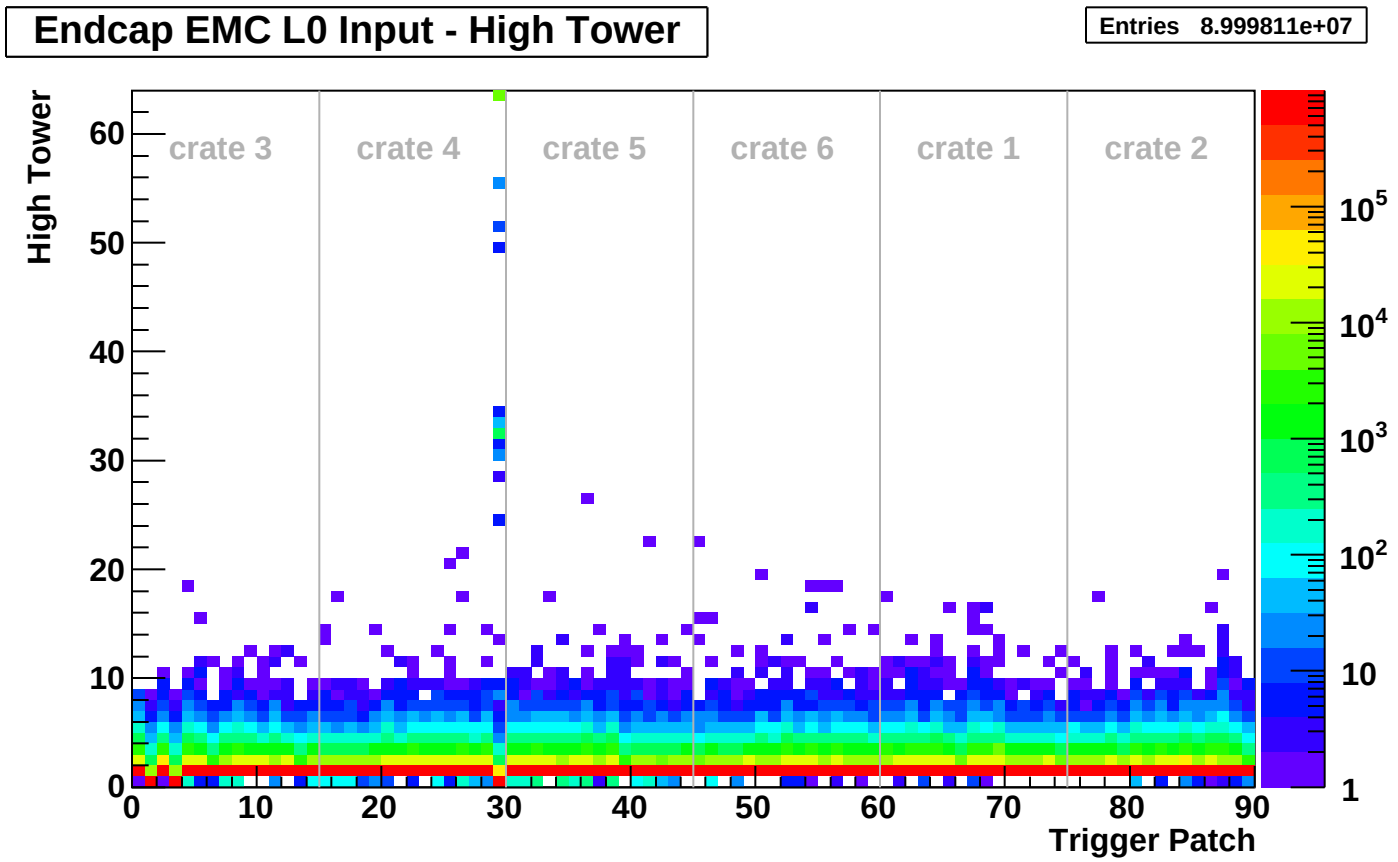

TCU bits
Entries 1.599966e+07
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

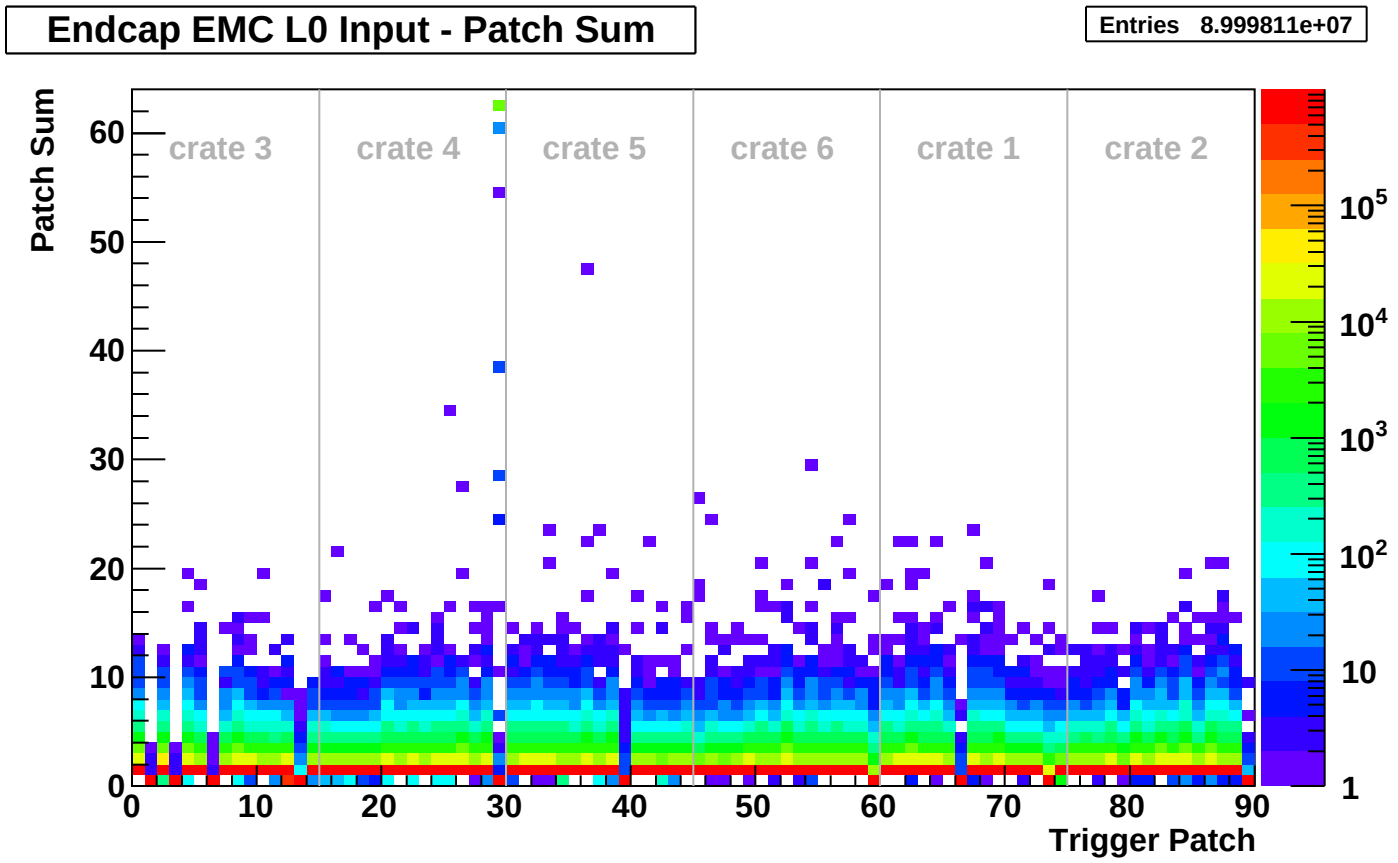

TCU bits
Entries 1256459
TCU bits - Simulated
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

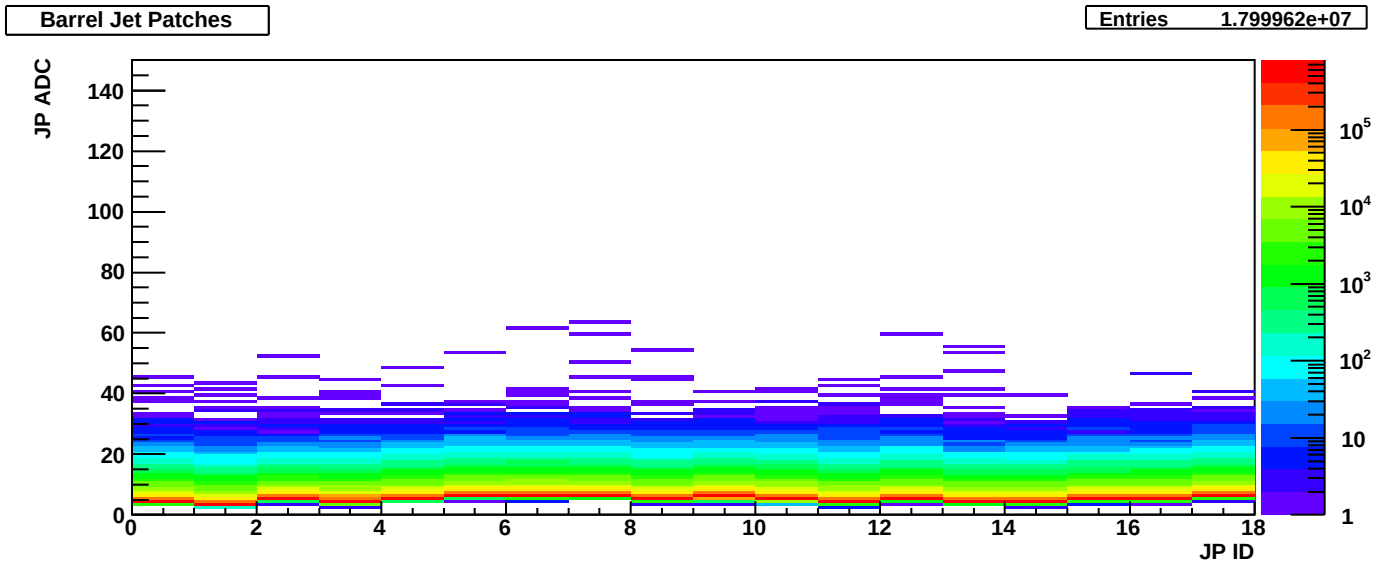

BunchId7Bit (BHT3)
Entries 2

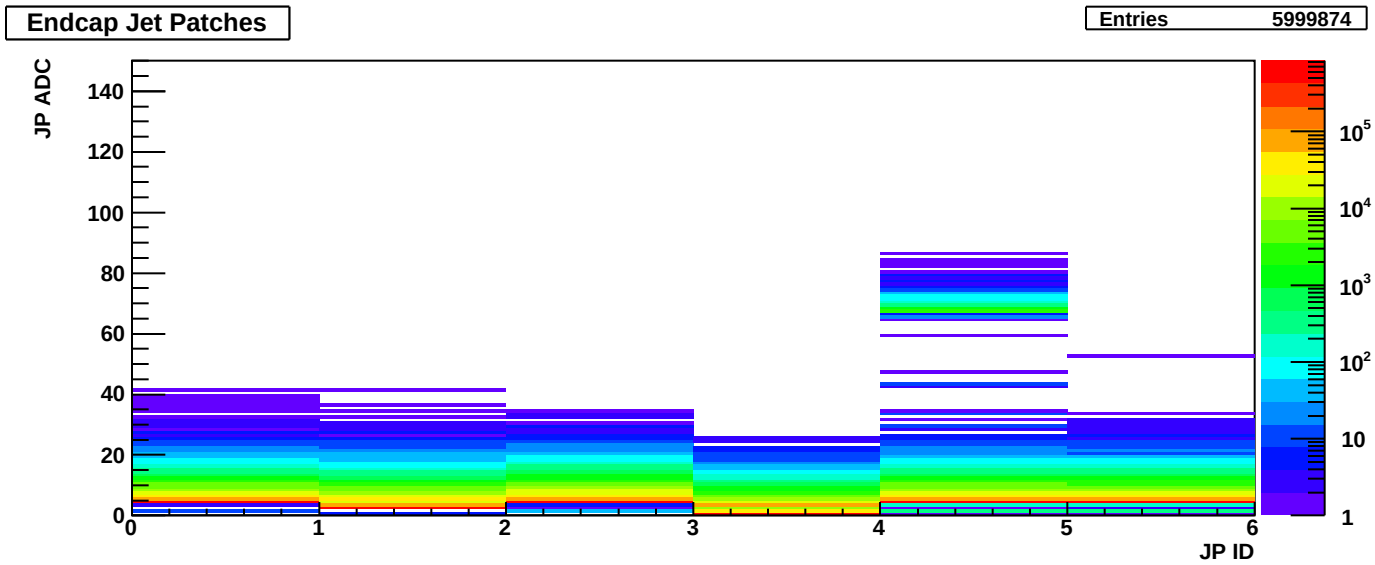

Barrel EMC L0 Input - High Tower
Entries 2.999937e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

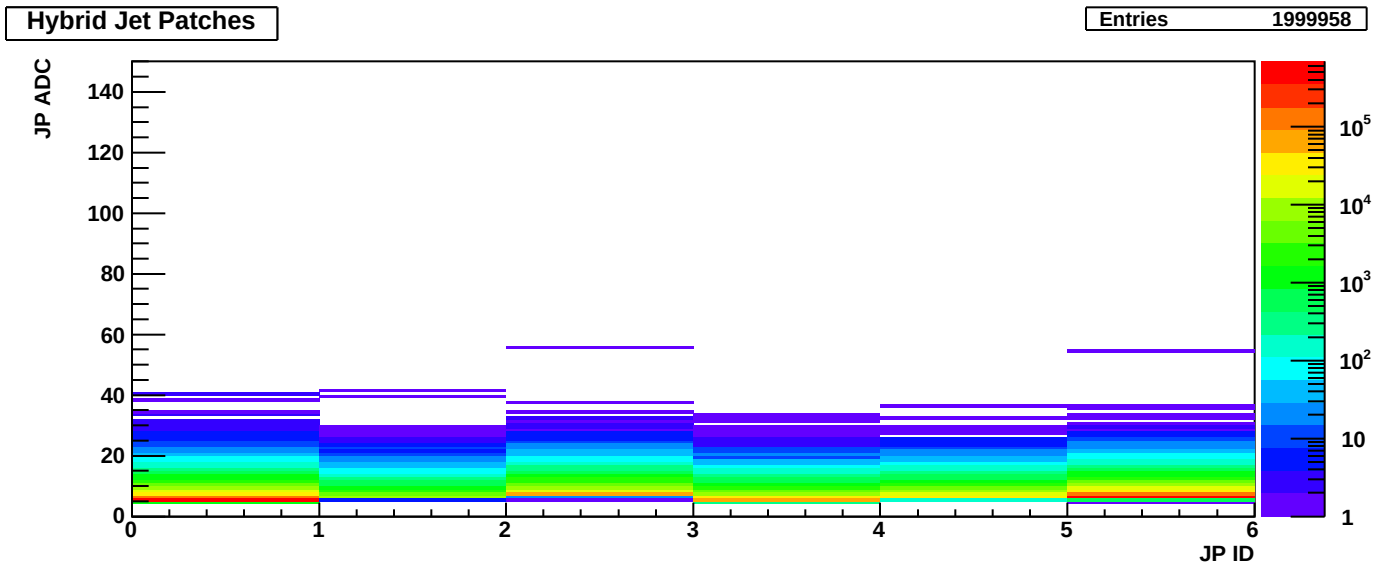

Barrel EMC L0 Input - Patch Sum
Entries 2.999937e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

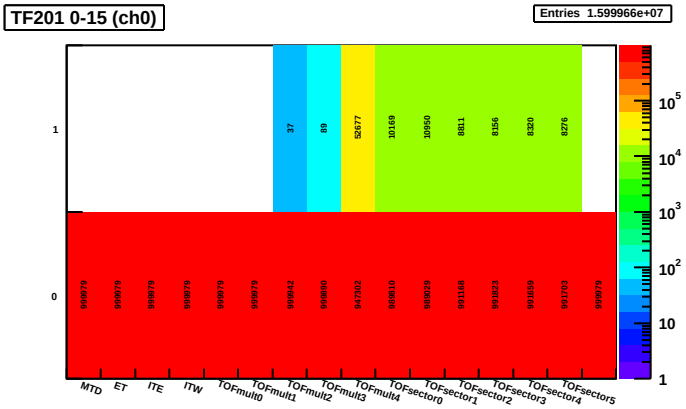

Endcap EMC L0 Input - High Tower
Entries 8.999811e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

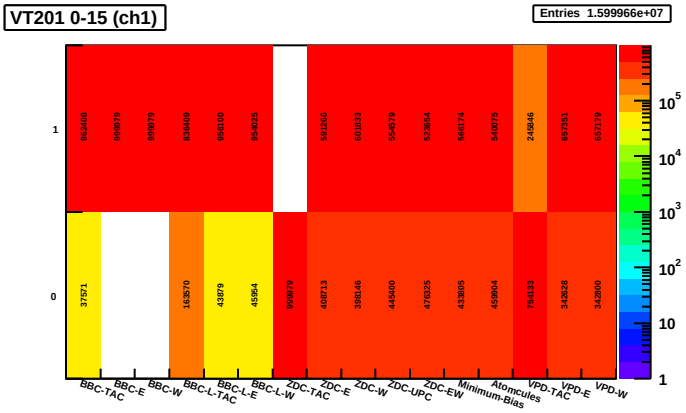

Endcap EMC L0 Input - Patch Sum
Entries 8.999811e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

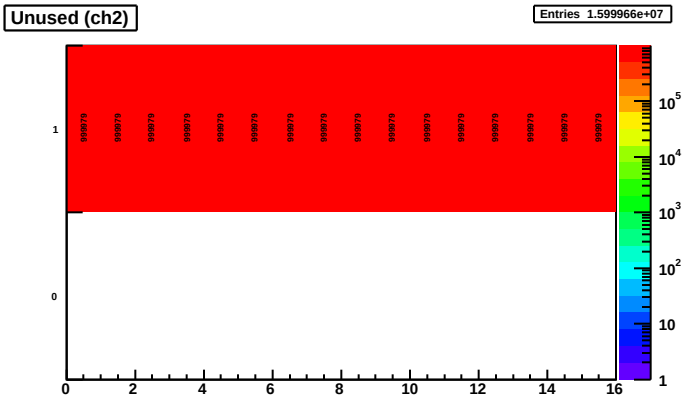

Barrel Jet Patches
Entries 1.799962e+07
JP ADC
JP ID

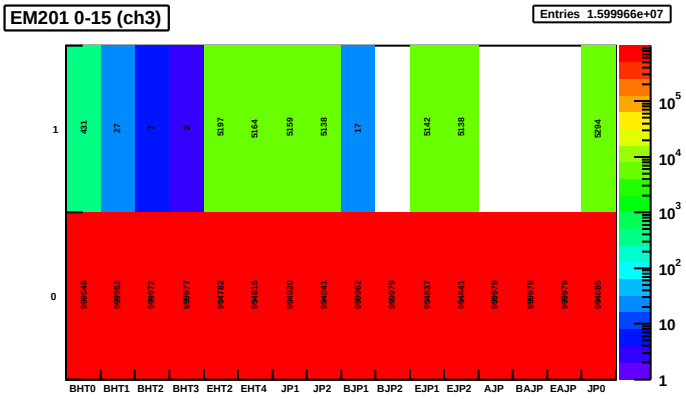

Endcap Jet Patches
Entries 5999874
JP ADC
JP ID

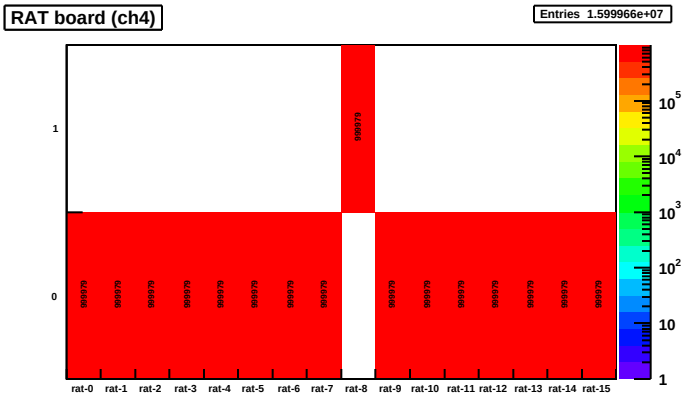

Hybrid Jet Patches
Entries 1999958
JP ADC
JP ID

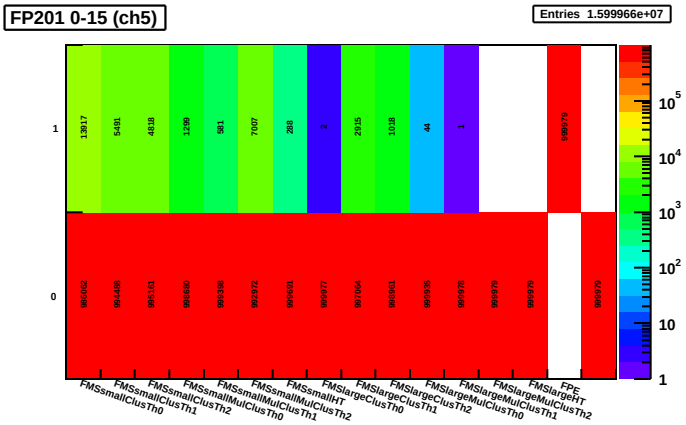

TF201 0-15 (ch0)
Entries 1.599966e+07
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

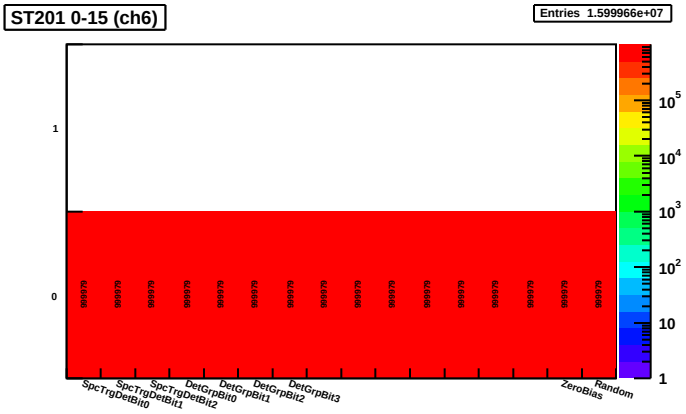

VT201 0-15 (ch1)
Entries 1.599966e+07
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

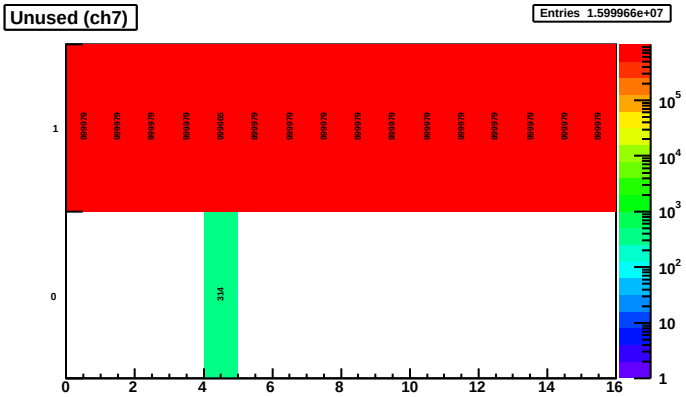

Unused (ch2)
Entries 1.599966e+07

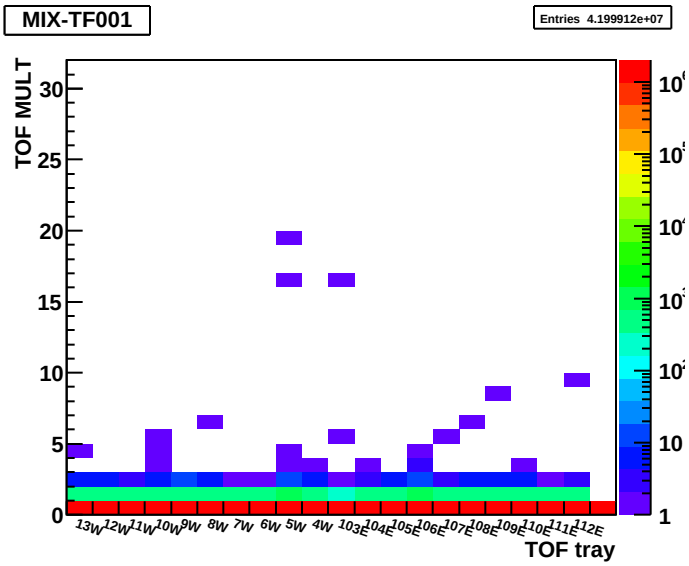

EM201 0-15 (ch3)
Entries 1.599966e+07
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

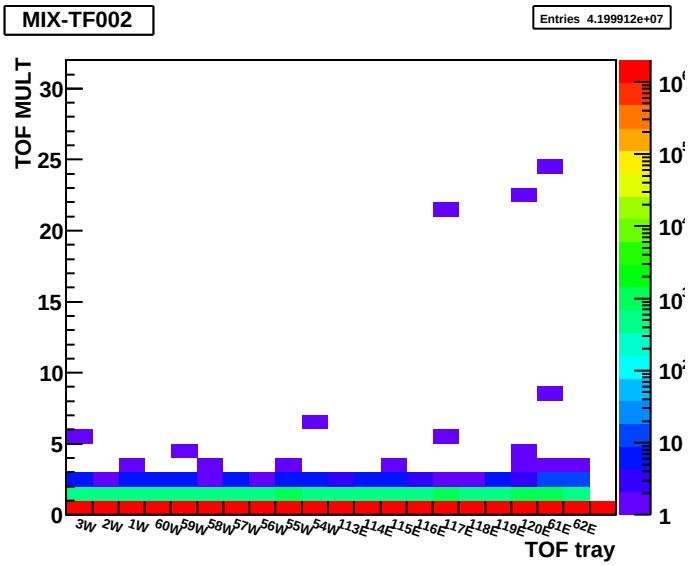

RAT board (ch4)
Entries 1.599966e+07
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

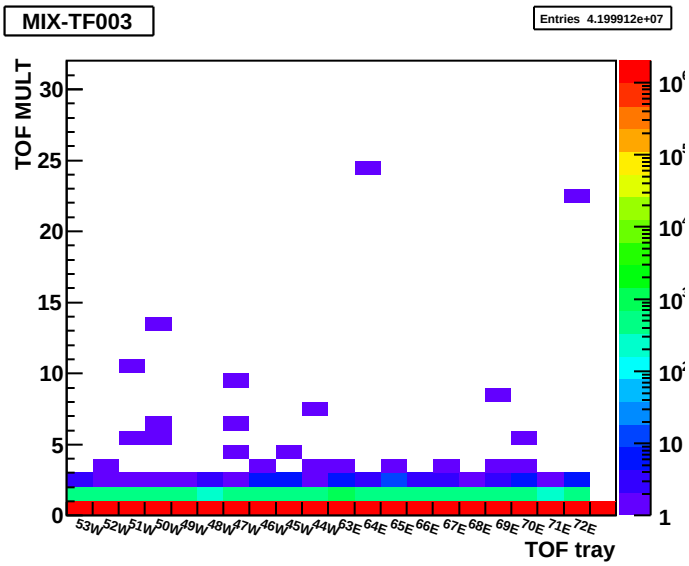

FP201 0-15 (ch5)
Entries 1.599966e+07
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

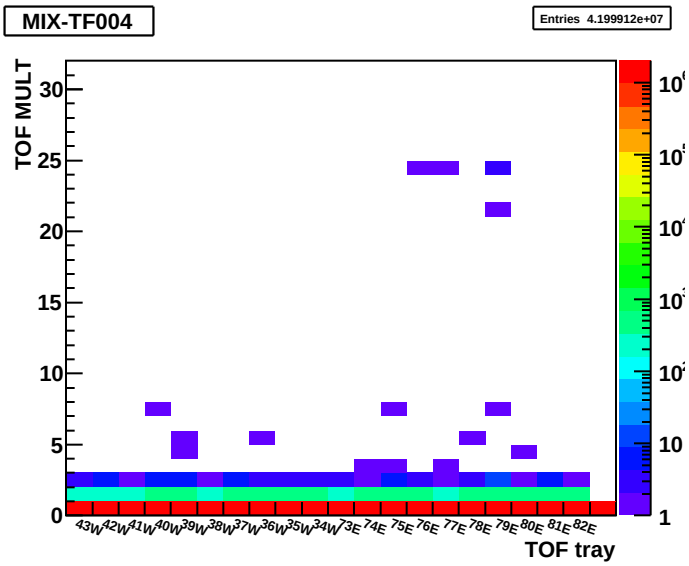

ST201 0-15 (ch6)
Entries 1.599966e+07
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

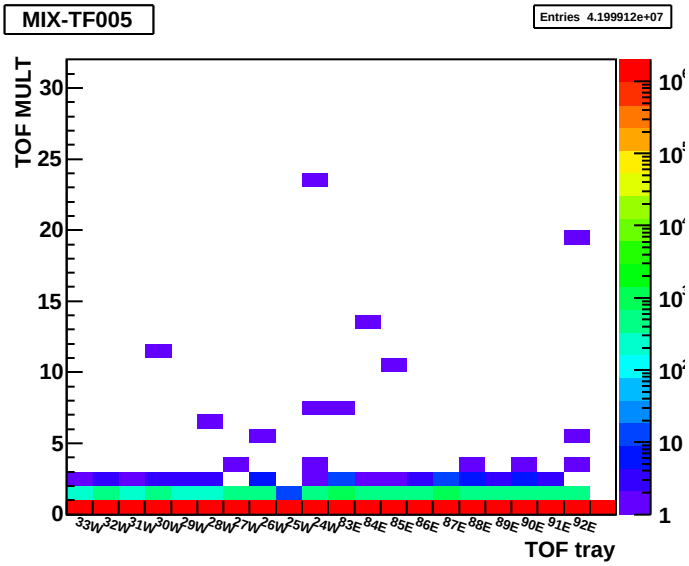

Unused (ch7)
Entries 1.599966e+07

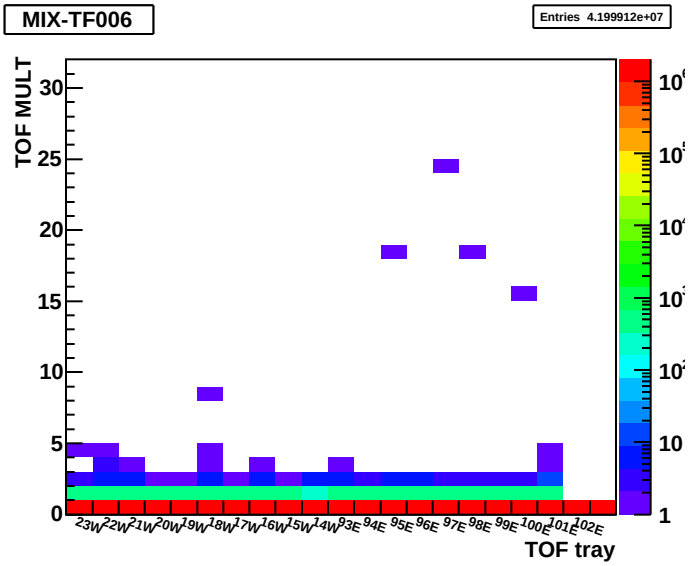

MIX-TF001
Entries 4.199912e+07
TOF MULT
TOF tray

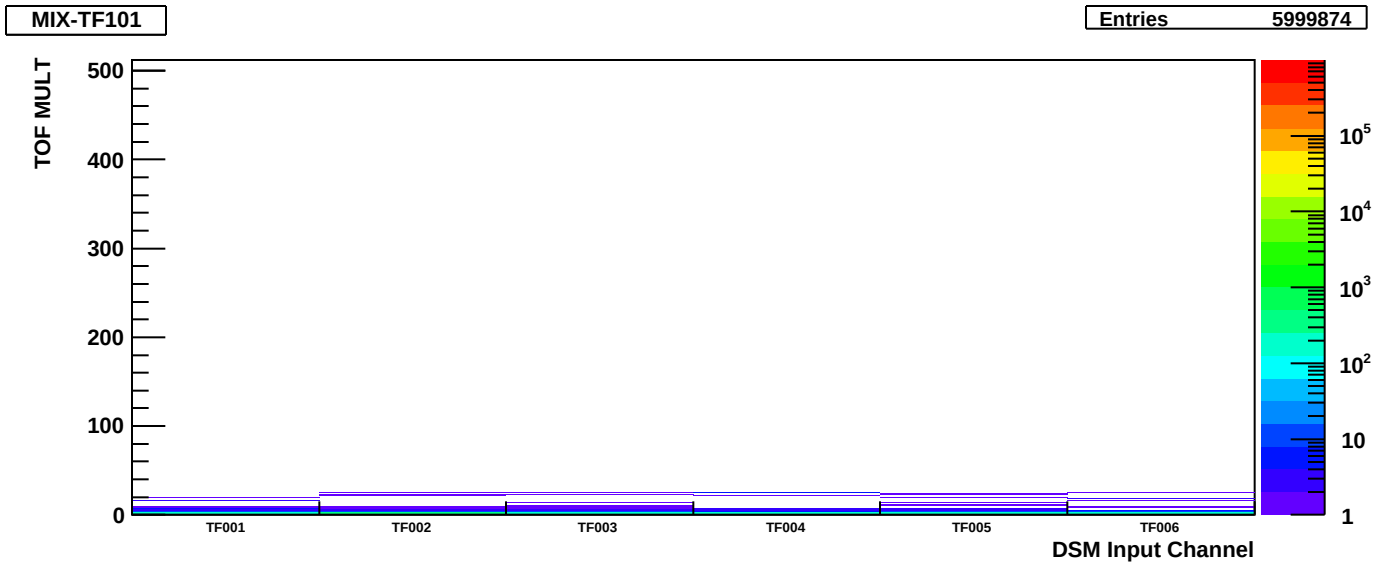

MIX-TF002
Entries 4.199912e+07
TOF MULT
TOF tray

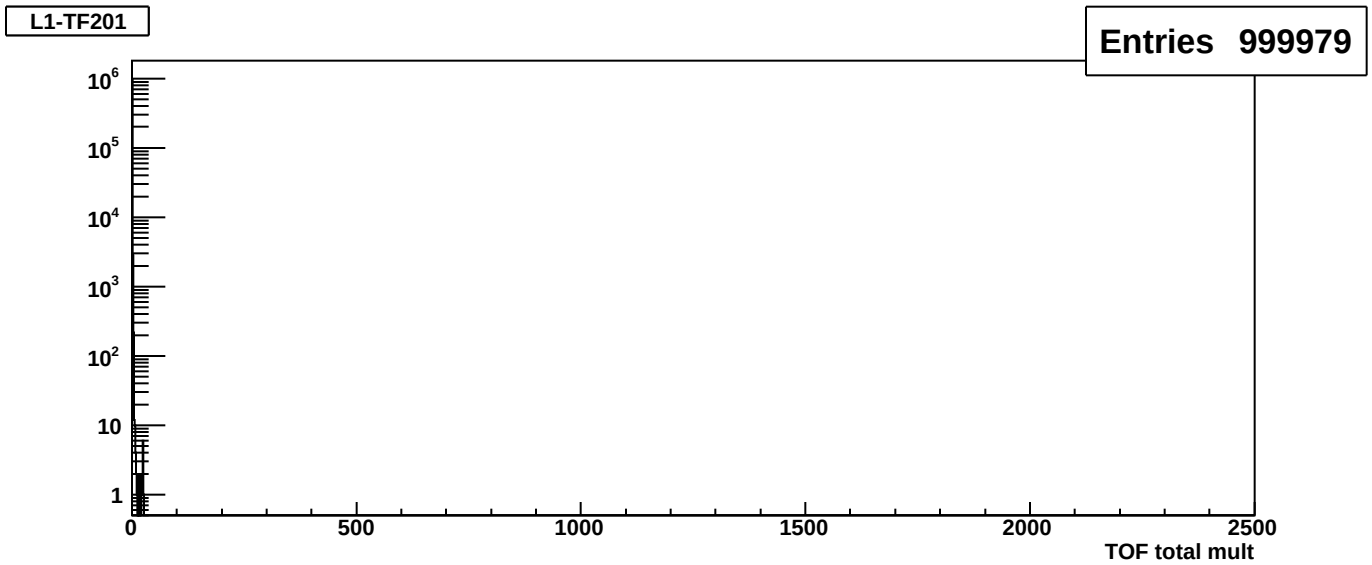

MIX-TF003
Entries 4.199912e+07
TOF MULT
TOF tray

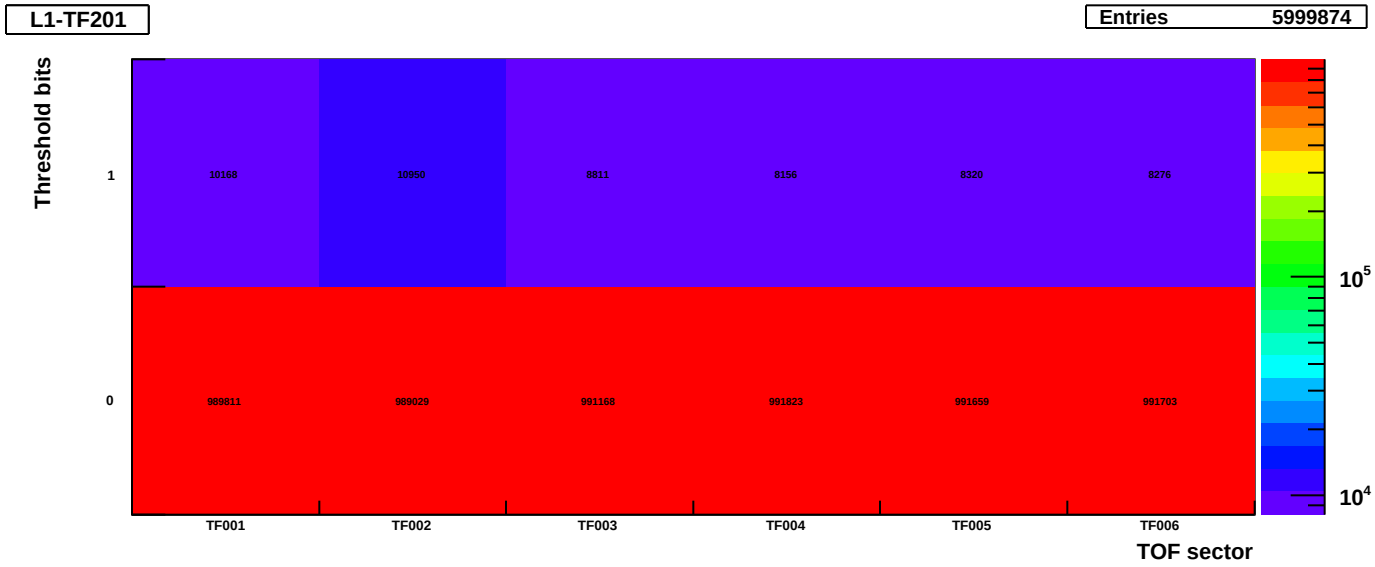

MIX-TF004
Entries 4.199912e+07
TOF MULT
TOF tray

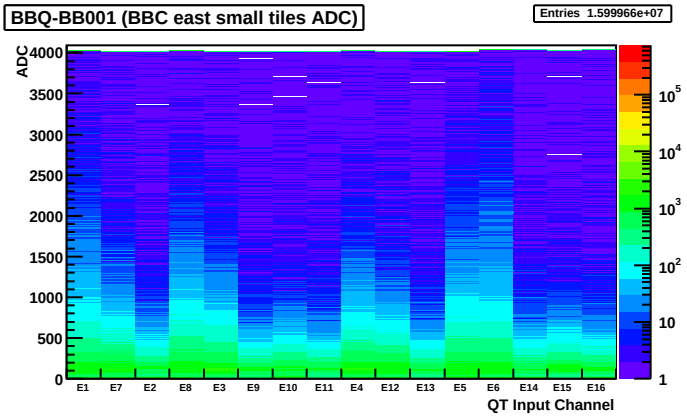

MIX-TF005
Entries 4.199912e+07
TOF MULT
TOF tray

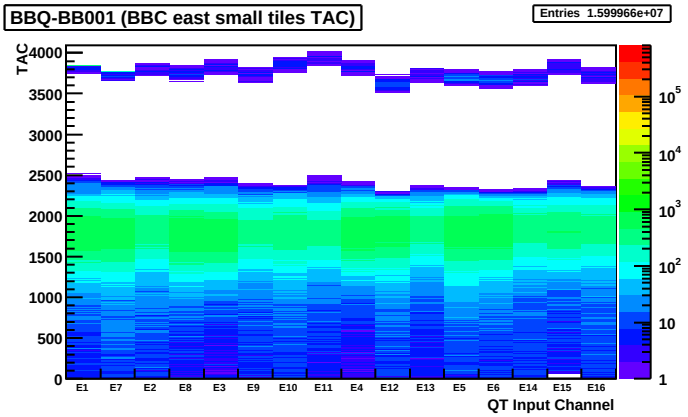

MIX-TF006
Entries 4.199912e+07
TOF MULT
TOF tray

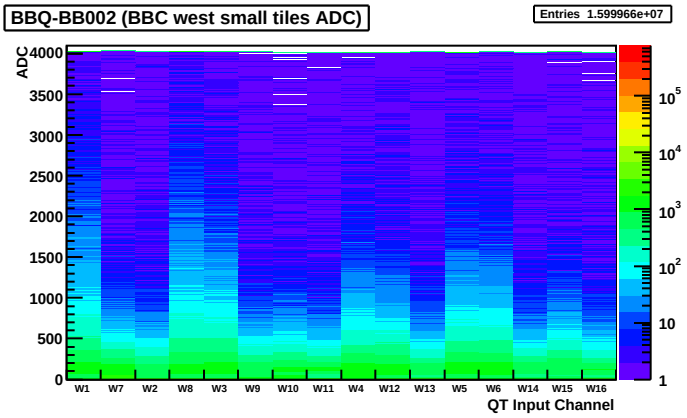

MIX-TF101
Entries 5999874
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^5
10^4
10^3
10^2
10
1

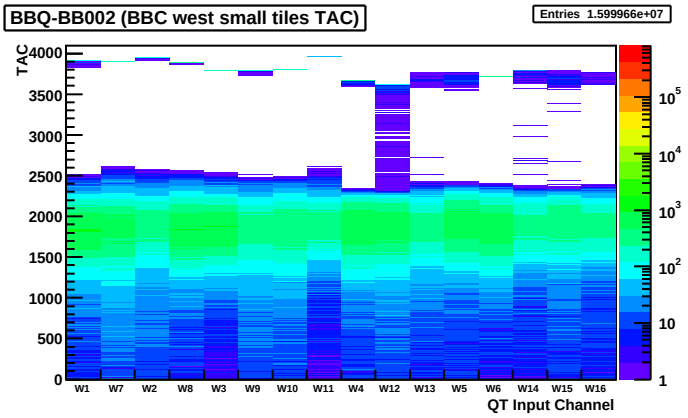

L1-TF201
Entries 999979
10^6
10^5
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

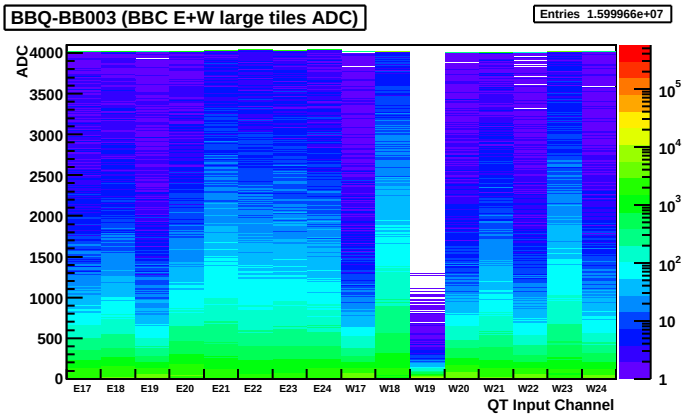

L1-TF201
Entries 5999874
Threshold bits
1
0
10168
10950
8811
8156
8320
8276
989811
989029
991168
991823
991659
991703
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5
10^4

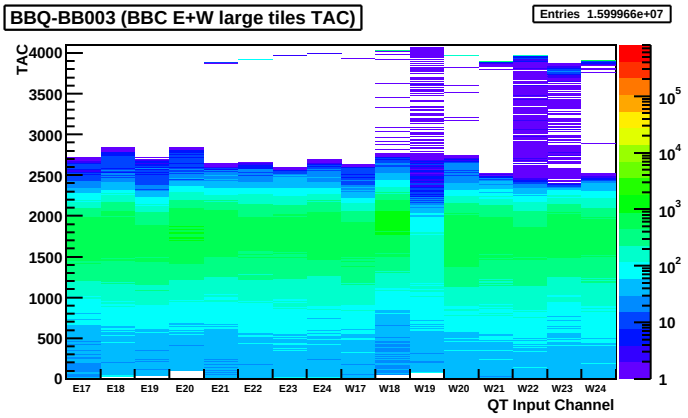

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.599966e+07
ADC
QT Input Channel

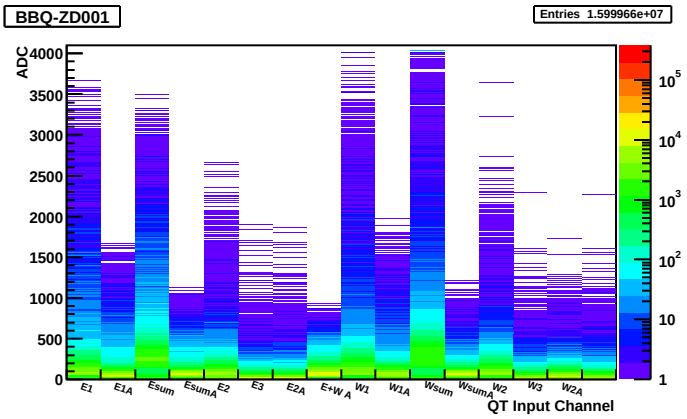

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.599966e+07
TAC
QT Input Channel

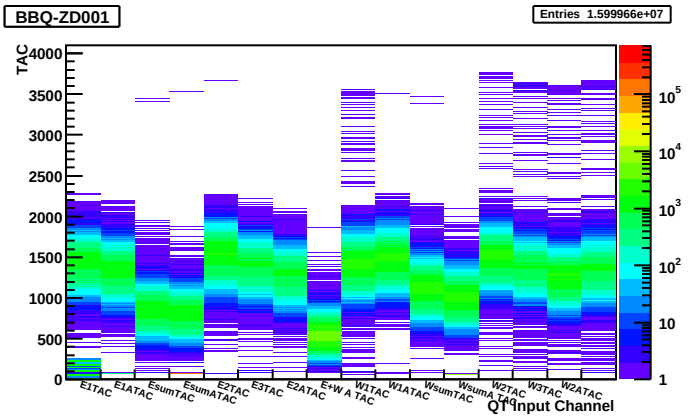

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.599966e+07
ADC
QT Input Channel

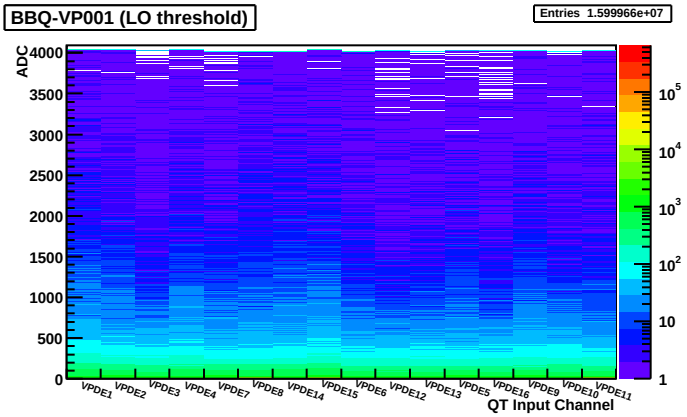

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.599966e+07
TAC
QT Input Channel

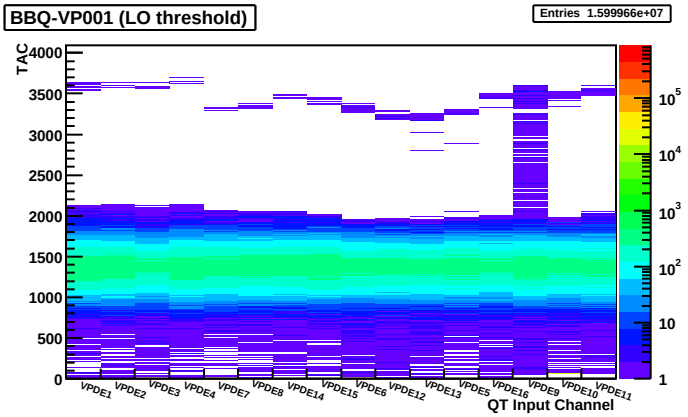

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1.599966e+07
ADC
QT Input Channel

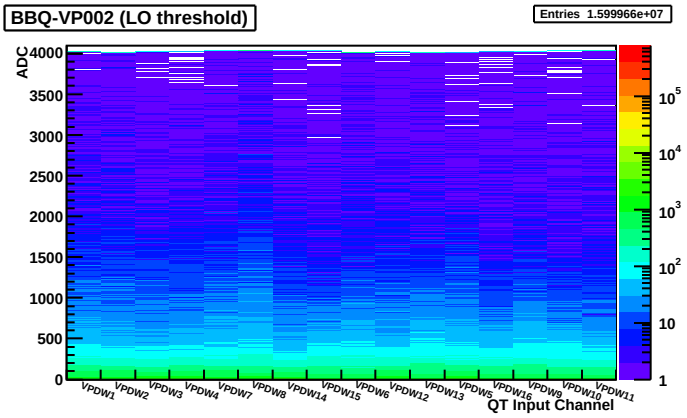

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1.599966e+07
TAC
QT Input Channel

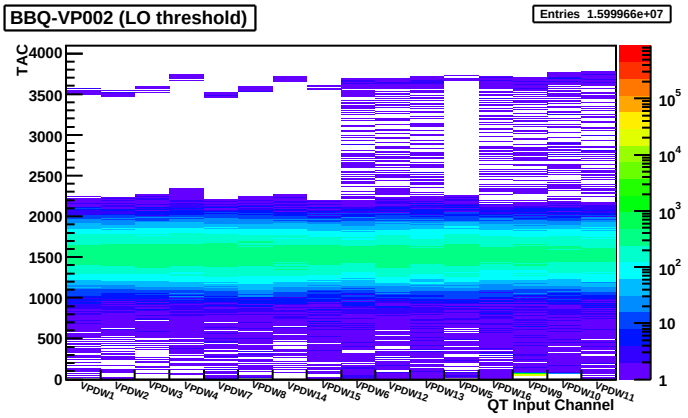

BBQ-ZD001
Entries 1.599966e+07
ADC
QT Input Channel

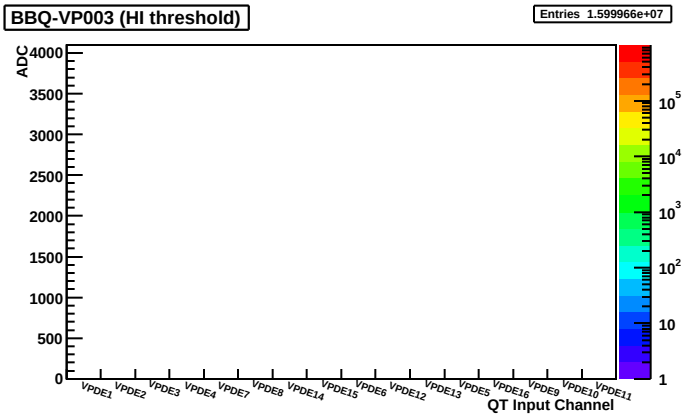

BBQ-ZD001
Entries 1.599966e+07
TAC
QT Input Channel

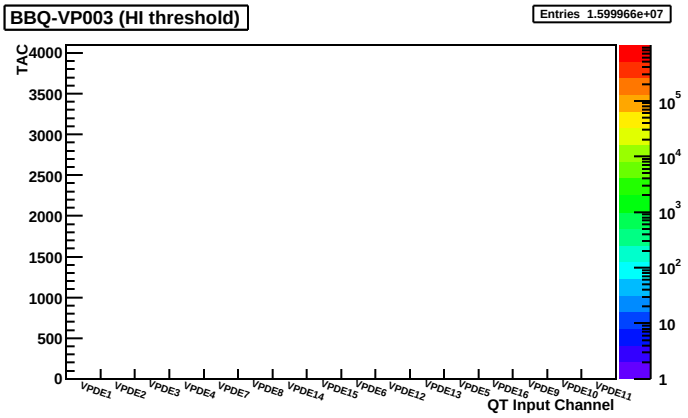

BBQ-VP001 (LO threshold)
Entries 1.599966e+07
ADC
QT Input Channel

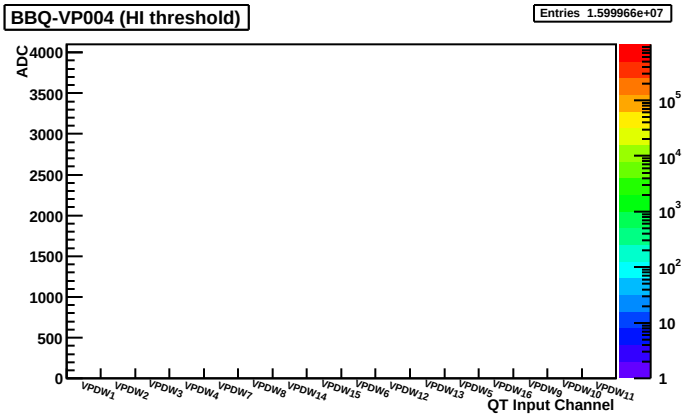

BBQ-VP001 (LO threshold)
Entries 1.599966e+07
TAC
QT Input Channel

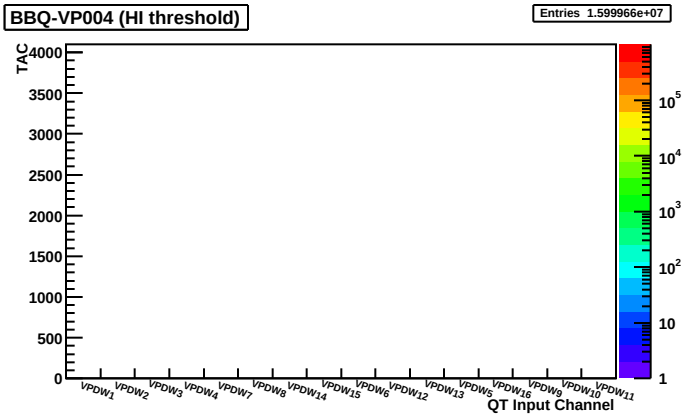

BBQ-VP002 (LO threshold)
Entries 1.599966e+07
ADC
QT Input Channel

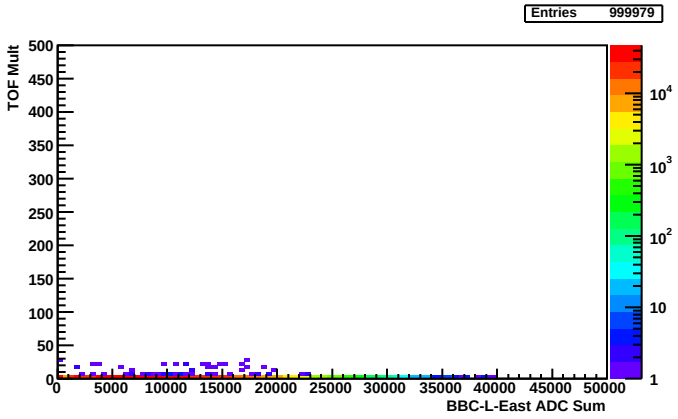

BBQ-VP002 (LO threshold)
Entries 1.599966e+07
TAC
QT Input Channel

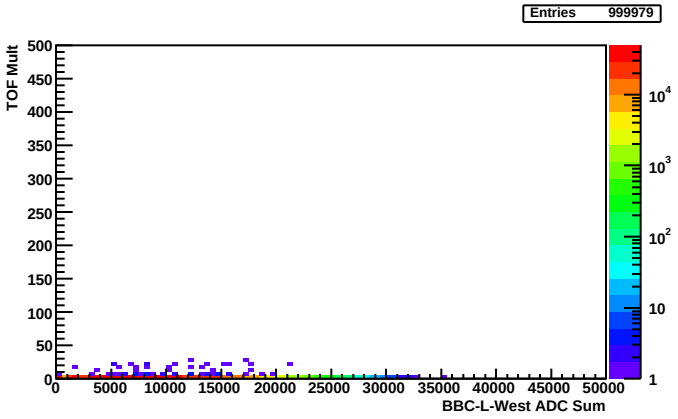

BBQ-VP003 (HI threshold)
Entries 1.599966e+07
ADC
QT Input Channel

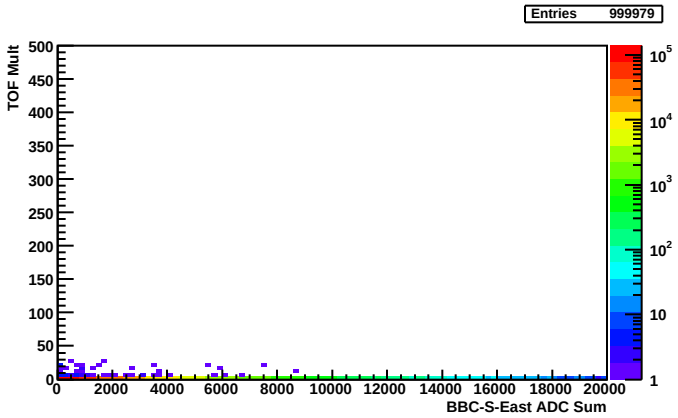

BBQ-VP003 (HI threshold)
Entries 1.599966e+07
TAC
QT Input Channel

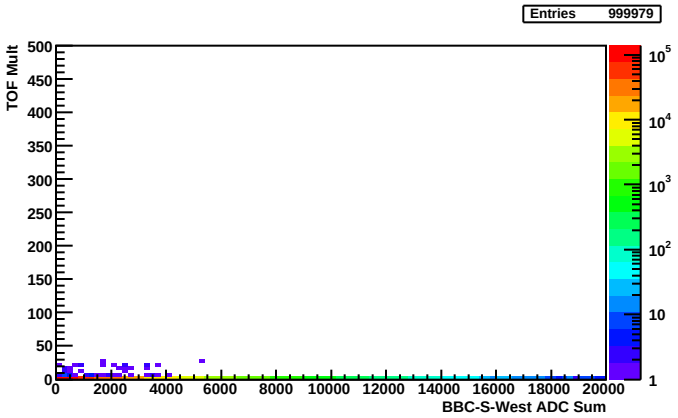

BBQ-VP004 (HI threshold)
Entries 1.599966e+07
ADC
QT Input Channel

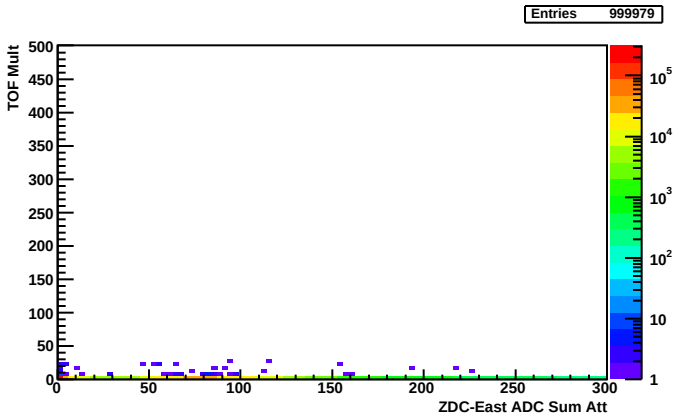

BBQ-VP004 (HI threshold)
Entries 1.599966e+07
TAC
QT Input Channel

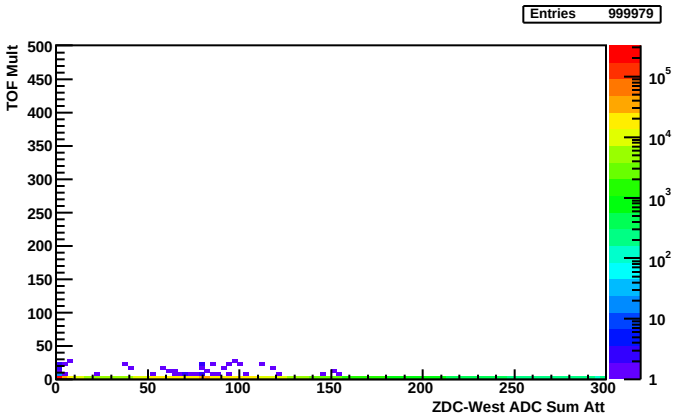

Entries 999979
TOF Mult
BBC-L-East ADC Sum

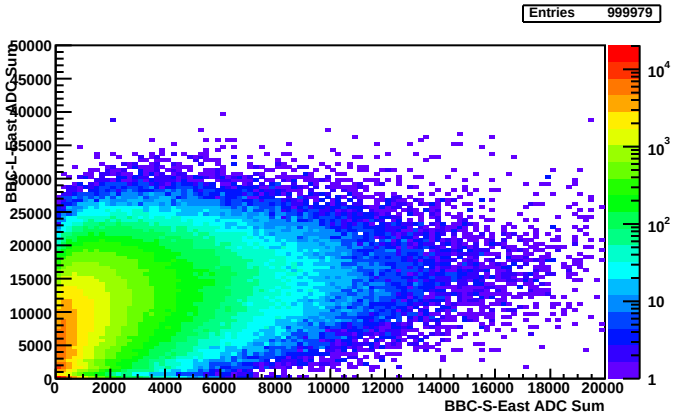

Entries 999979
TOF Mult
BBC-L-West ADC Sum

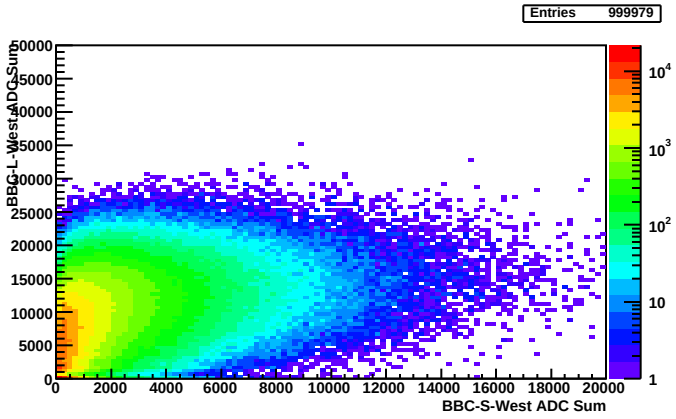

Entries 999979
TOF Mult
BBC-S-East ADC Sum

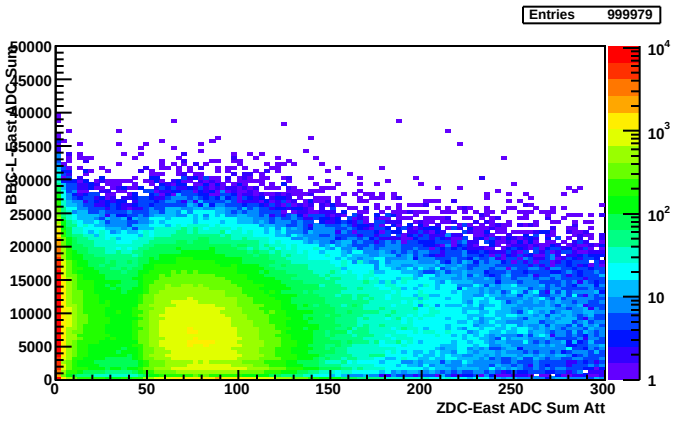

Entries 999979
TOF Mult
BBC-S-West ADC Sum

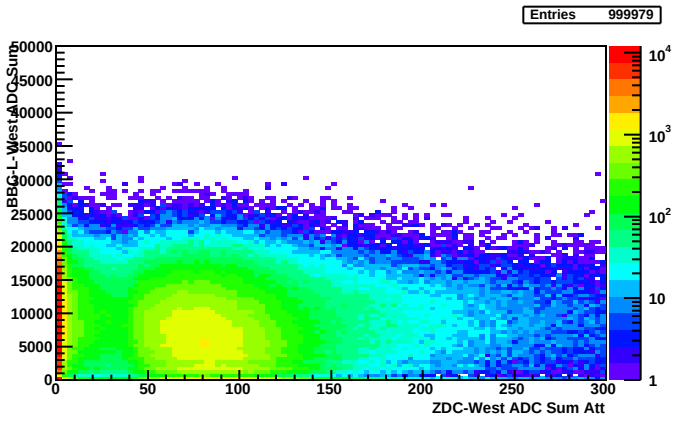

Entries 999979
TOF Mult
ZDC-East ADC Sum Att

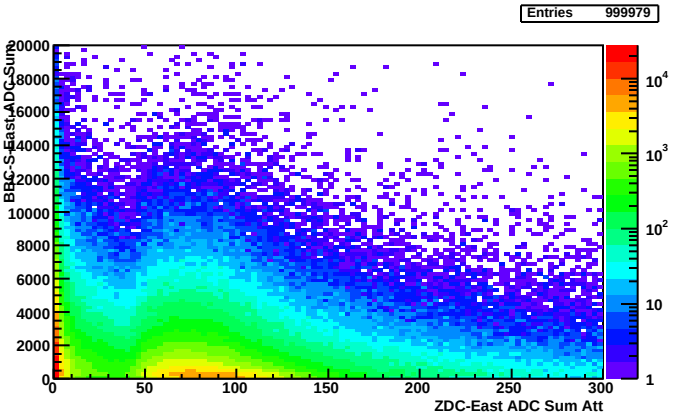

Entries 999979
TOF Mult
ZDC-West ADC Sum Att

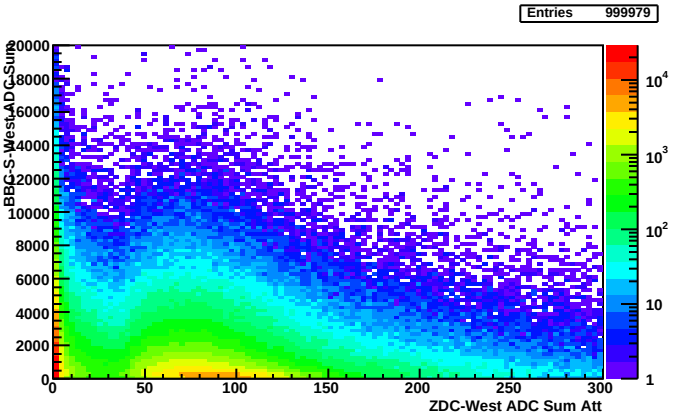

Entries 999979
BBC-L-East ADC Sum
BBC-S-East ADC Sum

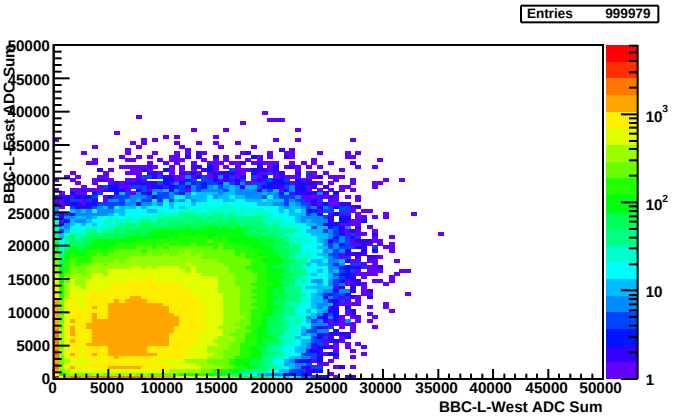

Entries 999979
BBC-L-West ADC Sum
BBC-S-West ADC Sum

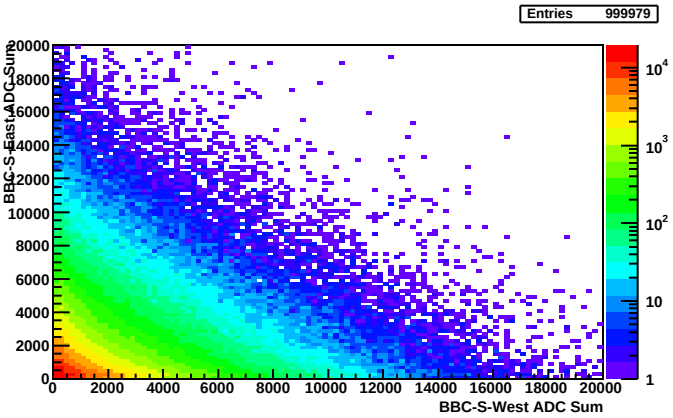

Entries 999979
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

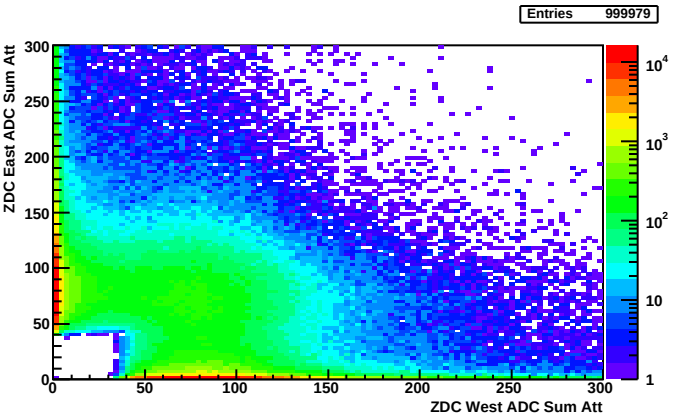

Entries 999979
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

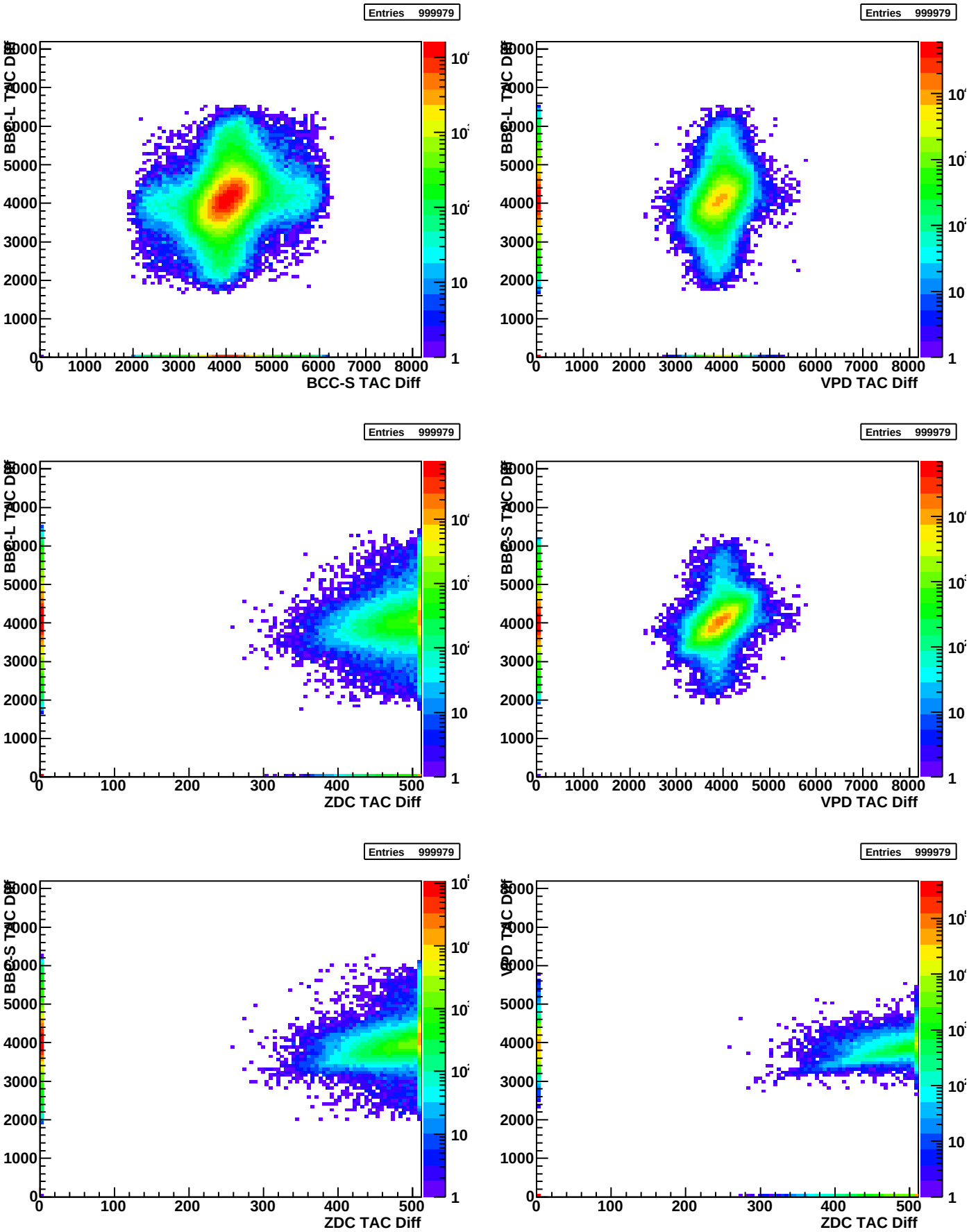

Entries 999979
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

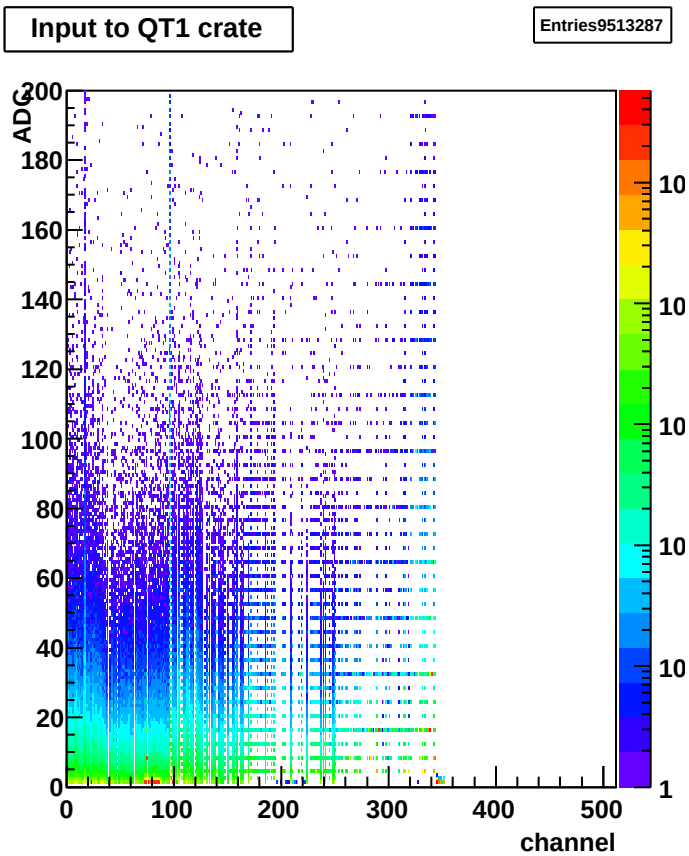

Entries 999979
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

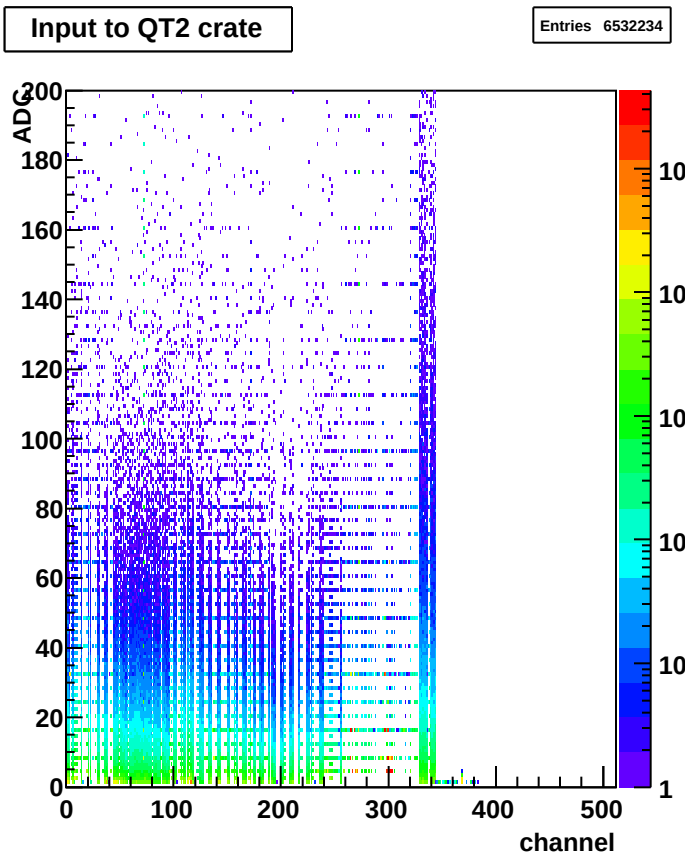

Entries 999979
BBC-L-East ADC Sum
BBC-L-West ADC Sum

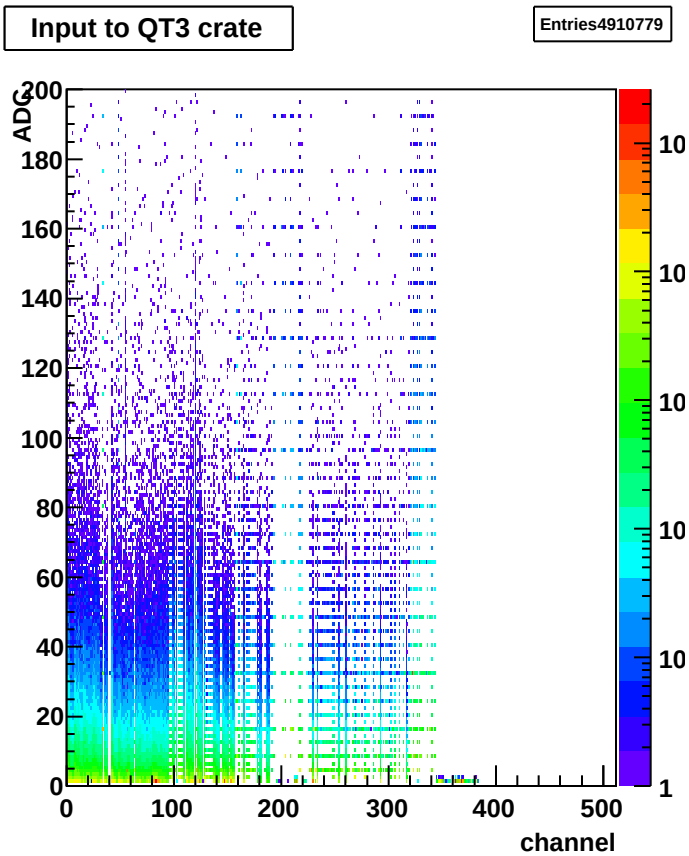

Entries 999979
BBC-S-East ADC Sum
BBC-S-West ADC Sum

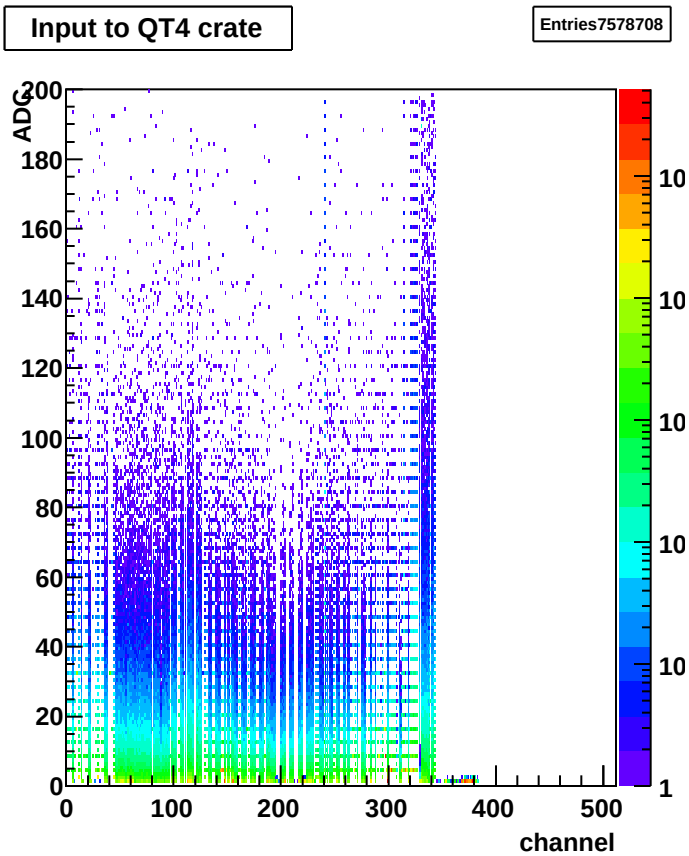

Entries 999979
ZDC East ADC Sum Att
ZDC West ADC Sum Att

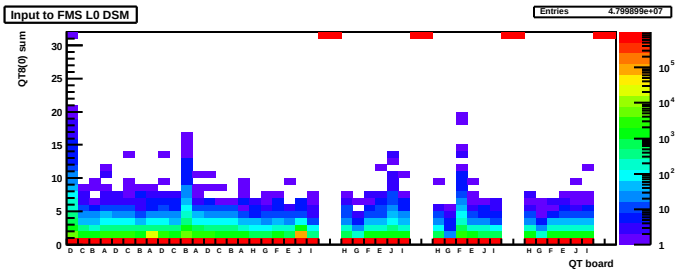

Entries 999979
BBC-L TAC Diff
BCC-S TAC Diff
Entries 999979
BBC-L TAC Diff
VPD TAC Diff
Entries 999979
BBC-L TAC Diff
ZDC TAC Diff
Entries 999979
BBC-S TAC Diff
VPD TAC Diff
Entries 999979
BBC-S TAC Diff
ZDC TAC Diff
Entries 999979
VPD TAC Diff
ZDC TAC Diff

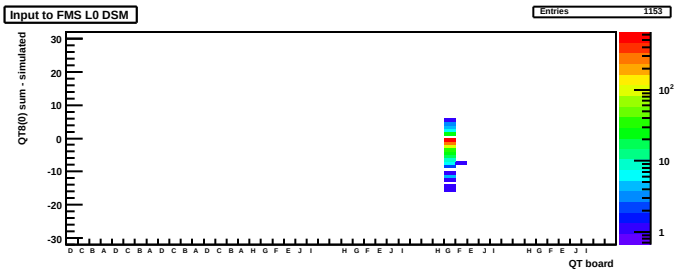

Input to QT1 crate
Entries9513287
ADC
channel

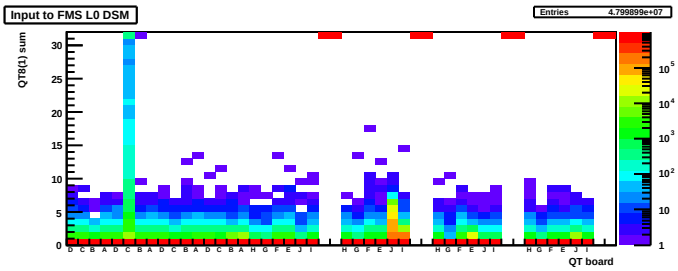

Input to QT2 crate
Entries 6532234
ADC
channel

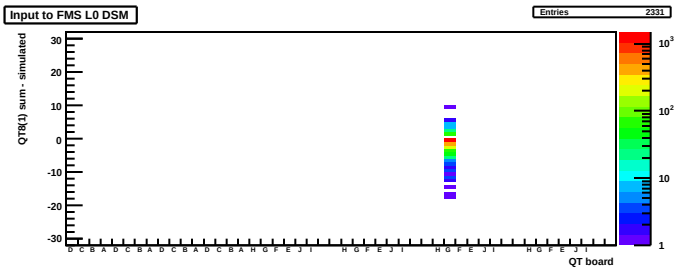

Input to QT3 crate
Entries4910779
ADC
channel

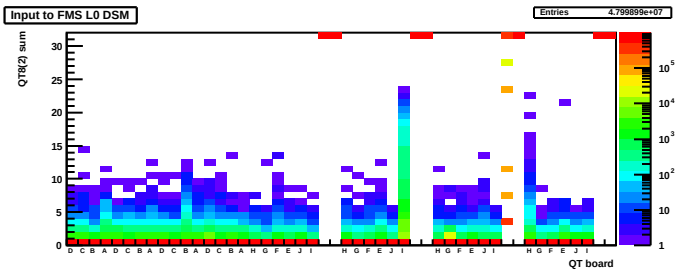

Input to QT4 crate
Entries7578708
ADC
channel

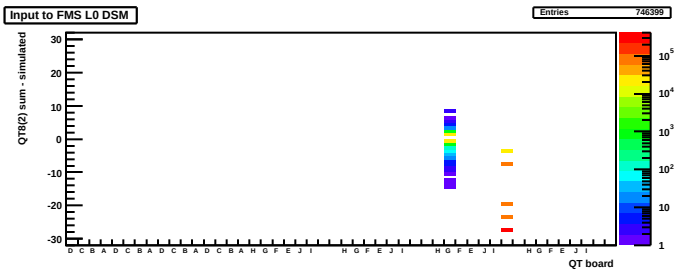

Input to FMS L0 DSM
Entries 4.799899e+07
QT8(0) sum
QT board

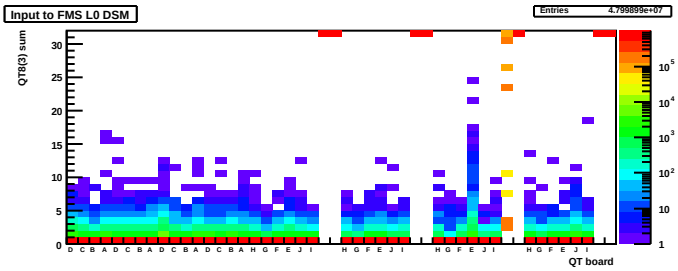

Input to FMS L0 DSM
Entries 1153
QT8(0) sum - simulated
QT board

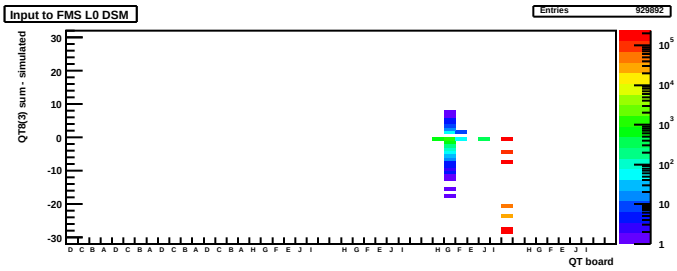

Input to FMS L0 DSM
Entries 4.799899e+07
QT8(1) sum
QT board

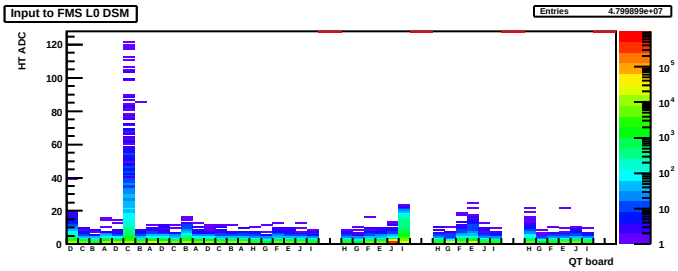

Input to FMS L0 DSM
Entries 2331
QT8(1) sum - simulated
QT board

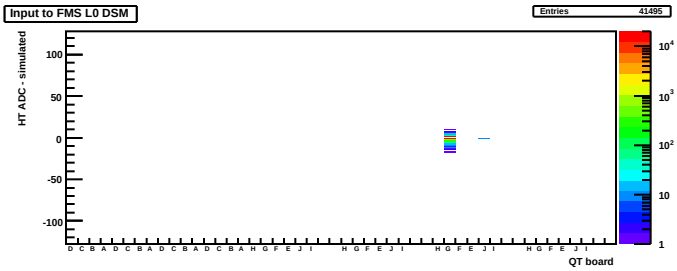

Input to FMS L0 DSM
Entries 4.799899e+07
QT8(2) sum
QT board

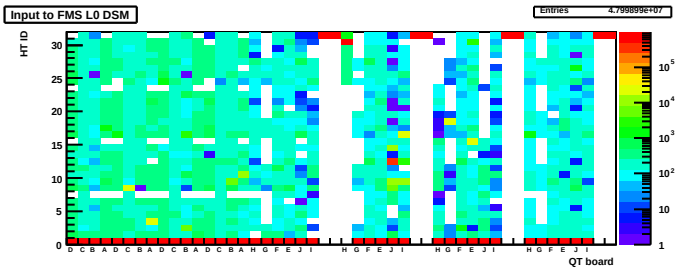

Input to FMS L0 DSM
Entries 746399
QT8(2) sum - simulated
QT board

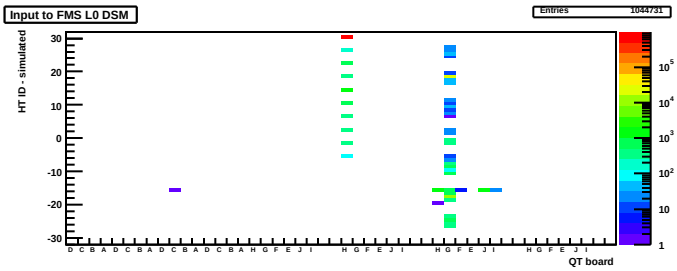

Input to FMS L0 DSM
Entries 4.799899e+07
QT8(3) sum
QT board

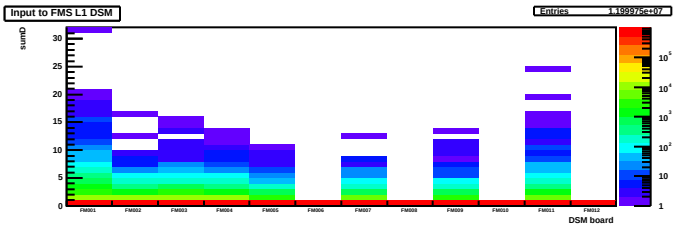

Input to FMS L0 DSM
Entries 929892
QT8(3) sum - simulated
QT board

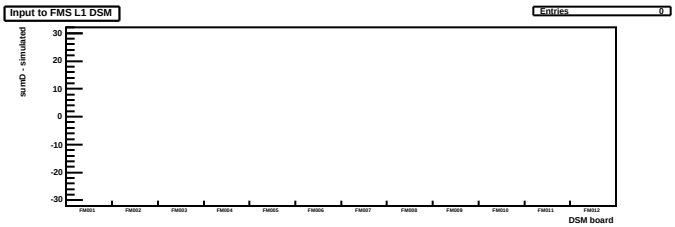

Input to FMS L0 DSM
Entries 4.799899e+07
HT ADC
QT board

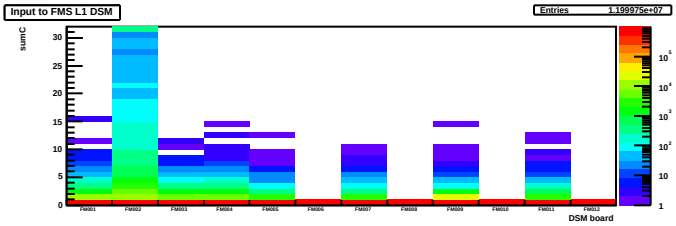

Input to FMS L0 DSM
Entries 41495
HT ADC - simulated
QT board

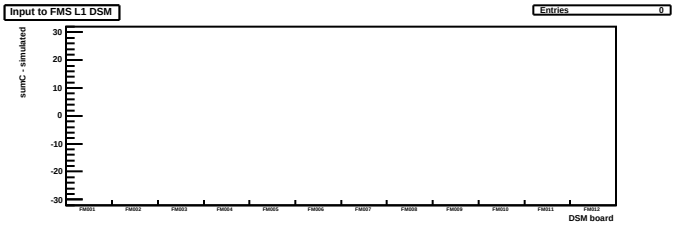

Input to FMS L0 DSM
Entries 4.799899e+07
HT ID
QT board

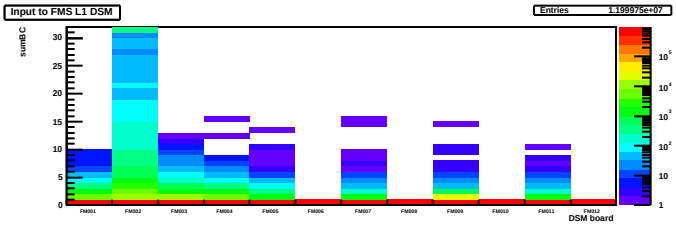

Input to FMS L0 DSM
Entries 1044731
HT ID - simulated
QT board

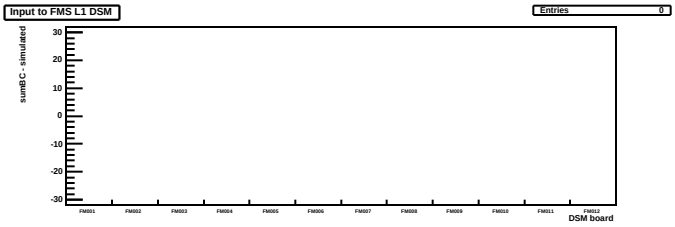

Input to FMS L1 DSM
Entries 1.199975e+07
sumD
DSM board

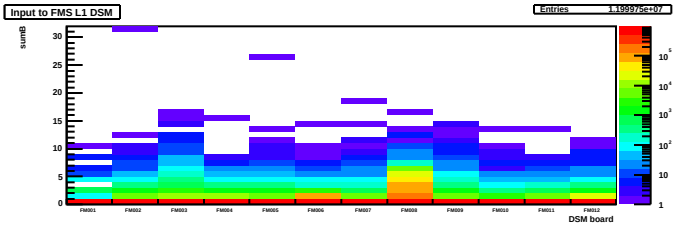

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

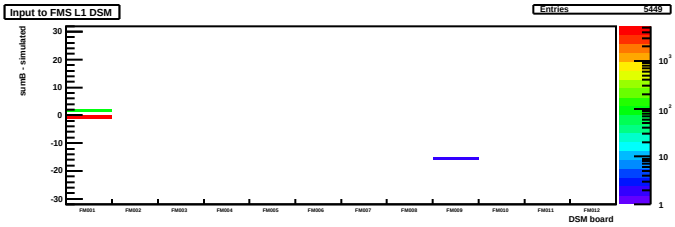

Input to FMS L1 DSM
Entries 1.199975e+07
sumC
DSM board

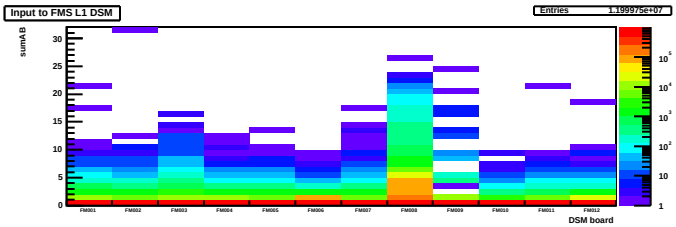

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

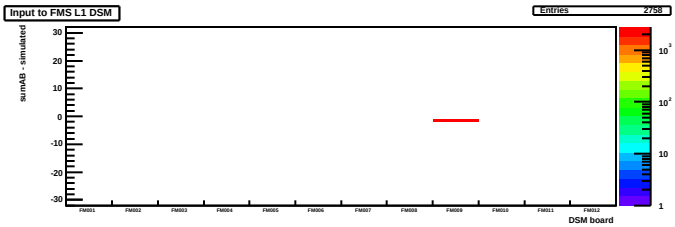

Input to FMS L1 DSM
Entries 1.199975e+07
sumBC
DSM board

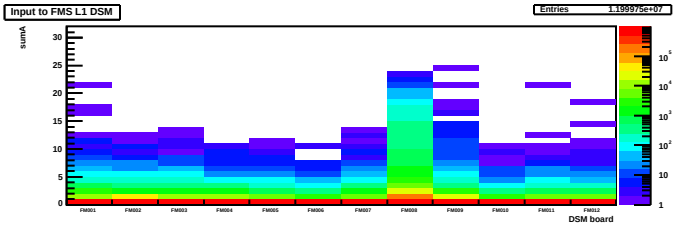

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

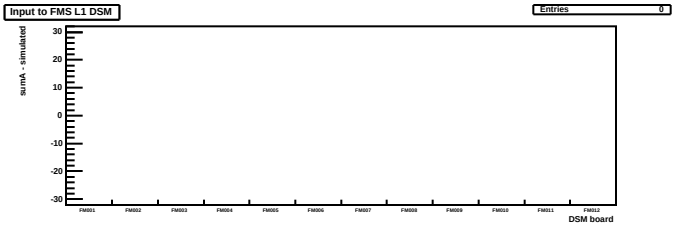

Input to FMS L1 DSM
Entries 1.199975e+07
sumB
DSM board

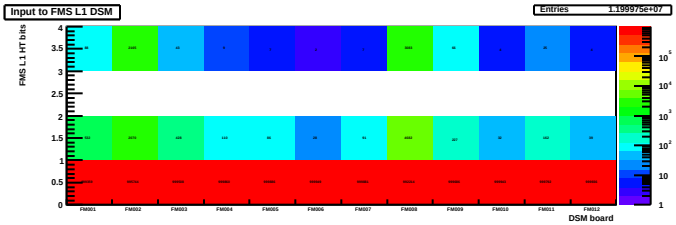

Input to FMS L1 DSM
Entries 5449
sumB - simulated
DSM board

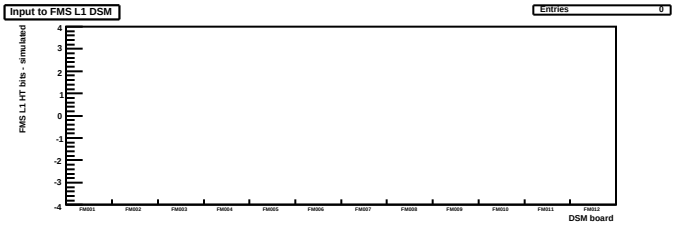

Input to FMS L1 DSM
Entries 1.199975e+07
sumAB
DSM board

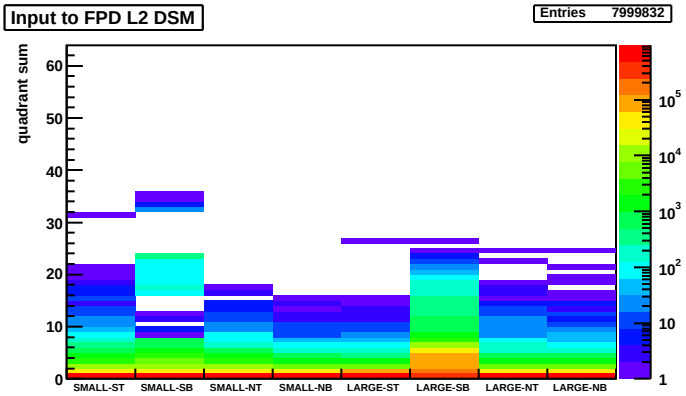

Input to FMS L1 DSM
Entries 2758
sumAB - simulated
DSM board

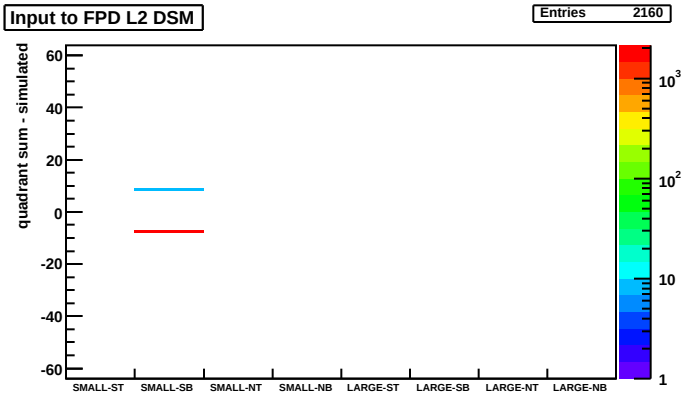

Input to FMS L1 DSM
Entries 1.199975e+07
sumA
DSM board

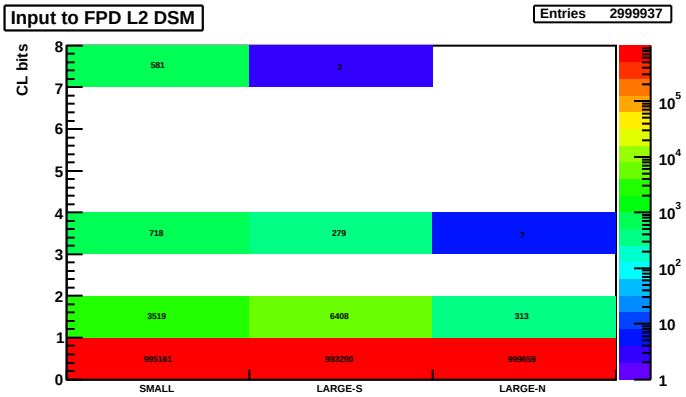

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

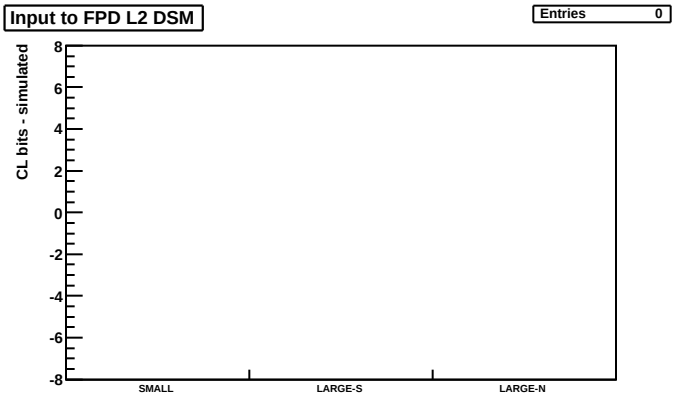

Input to FMS L1 DSM
Entries 1.199975e+07
FMS L1 HT bits
DSM board

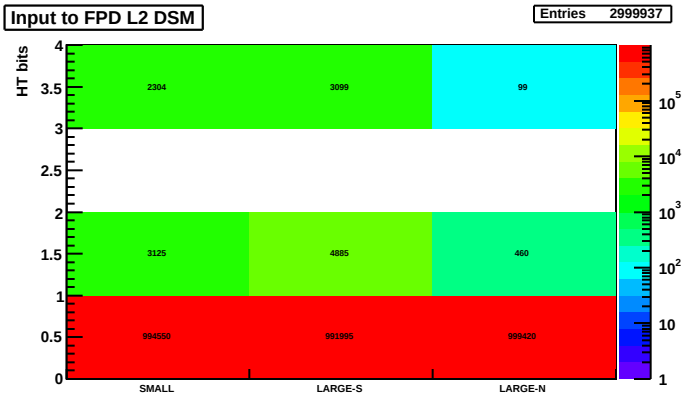

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

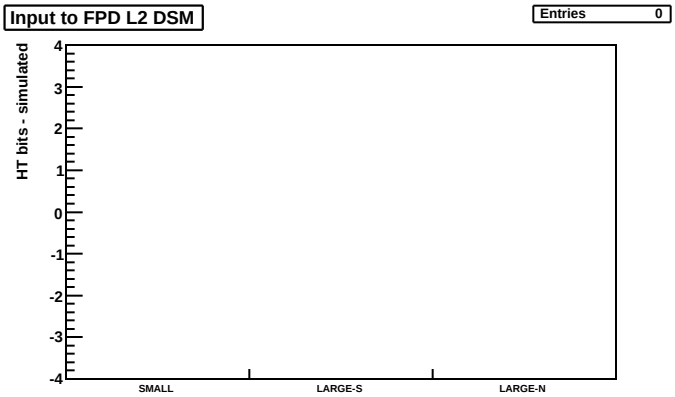

Input to FPD L2 DSM
Entries 7999832
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

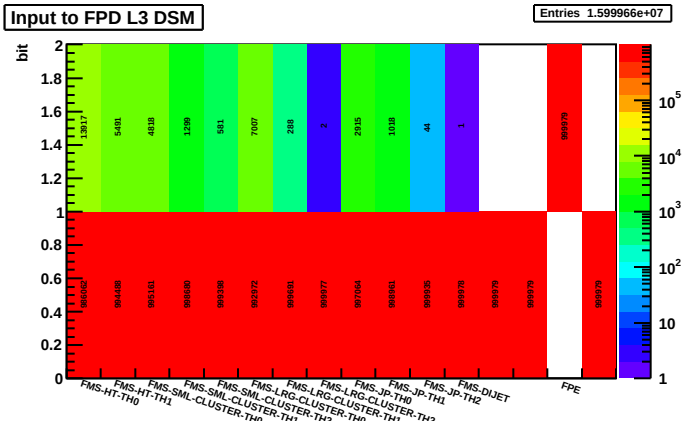

Input to FPD L2 DSM
Entries 2160
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

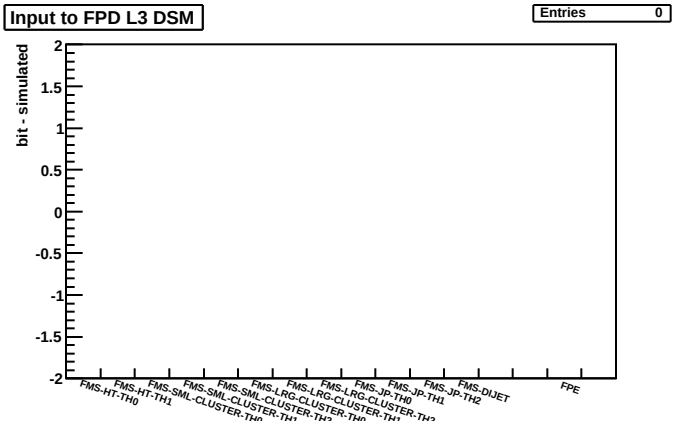

Input to FPD L2 DSM
Entries 2999937
CL bits
581
2
718
279
7
3519
6408
313
995161
993290
999659
SMALL
LARGE-S
LARGE-N

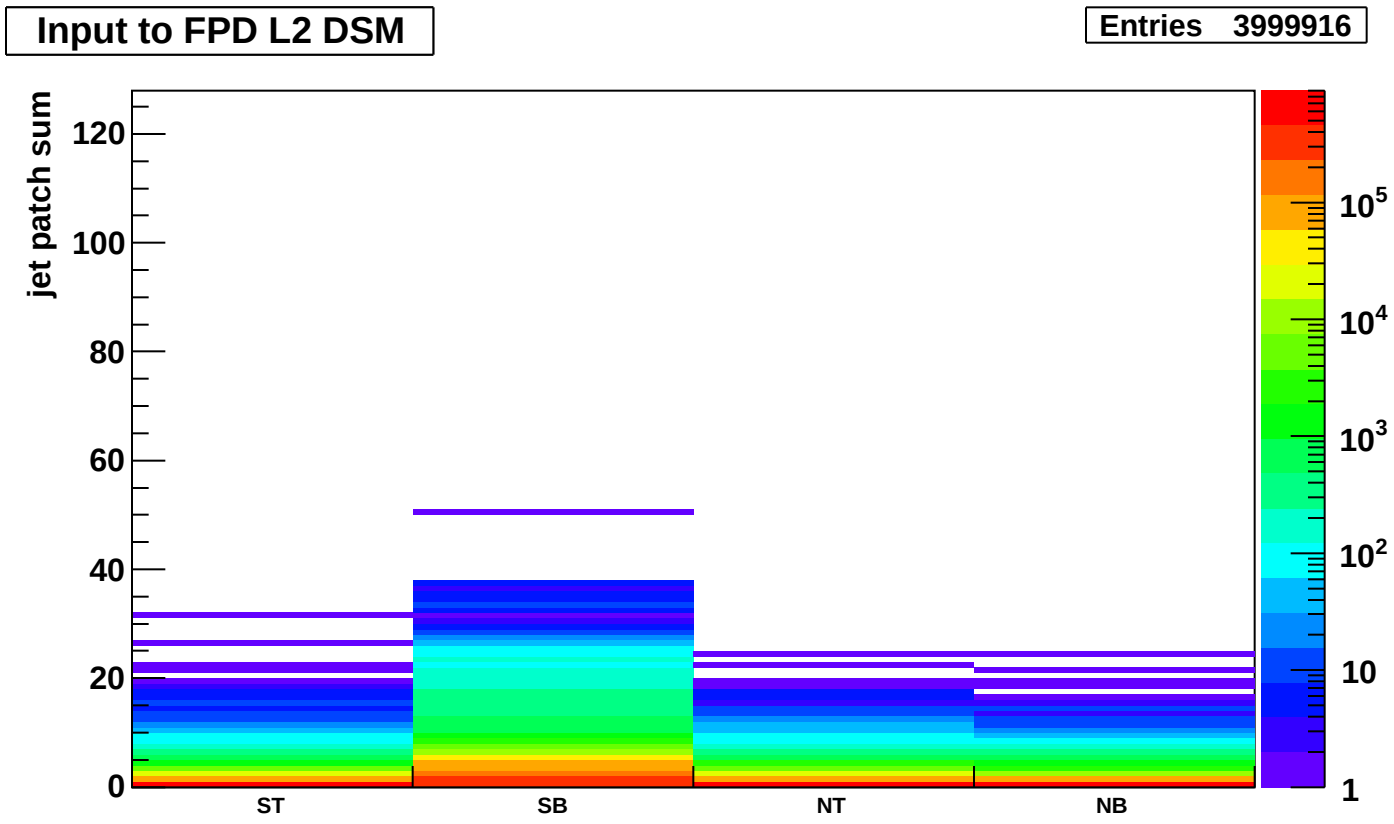

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

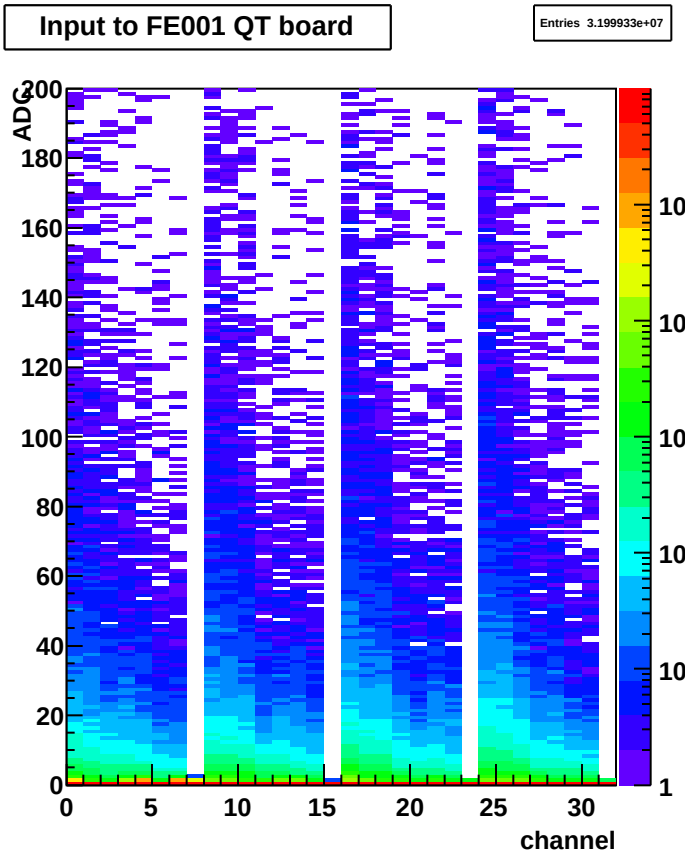

Input to FPD L2 DSM
Entries 2999937
HT bits
2304
3099
99
3125
4885
460
994550
991995
999420
SMALL
LARGE-S
LARGE-N

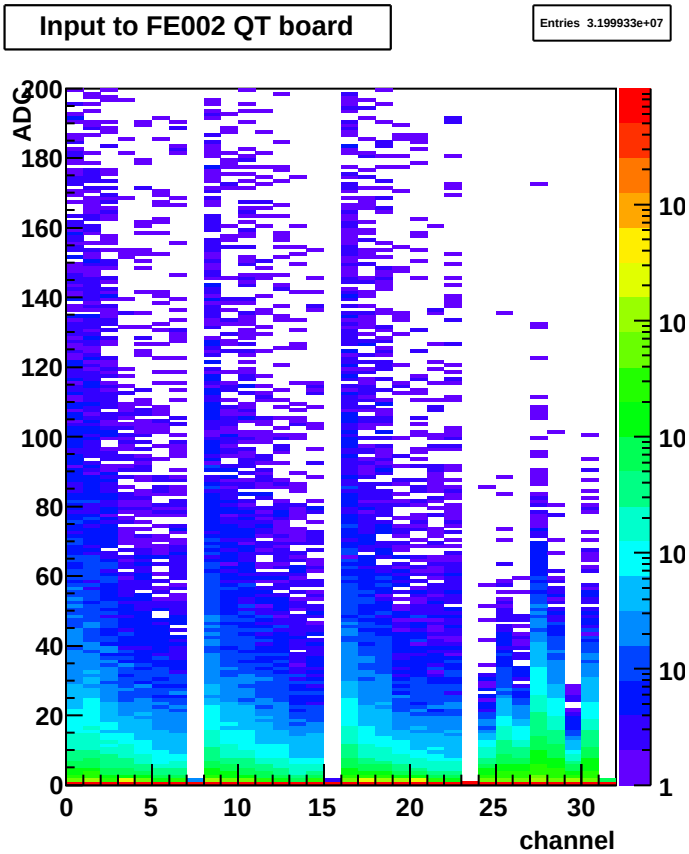

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

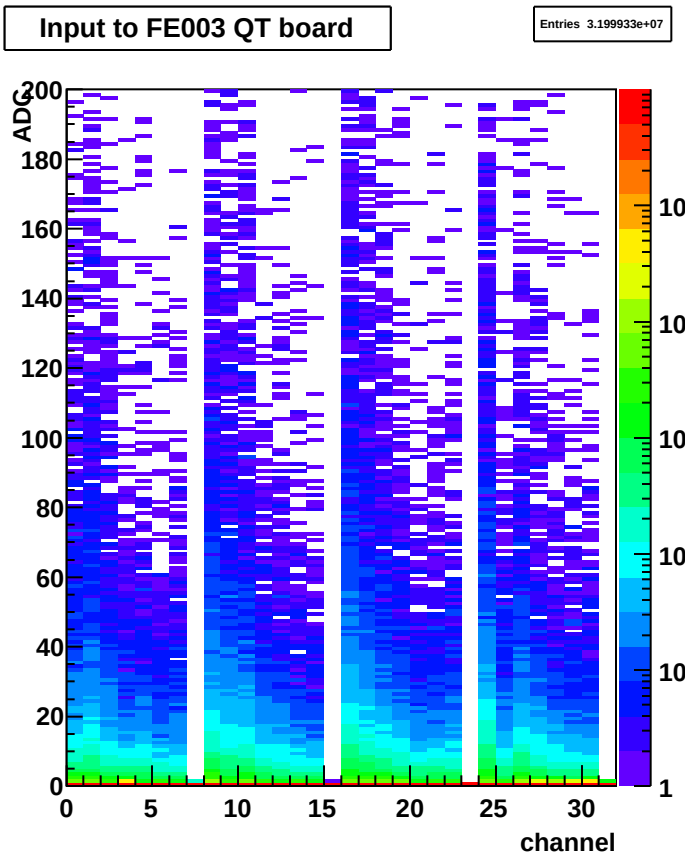

Input to FPD L3 DSM
Entries 1.599966e+07
bit
139177
5491
4818
1299
581
7007
288
2
2915
1038
44
1
999979
999979
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

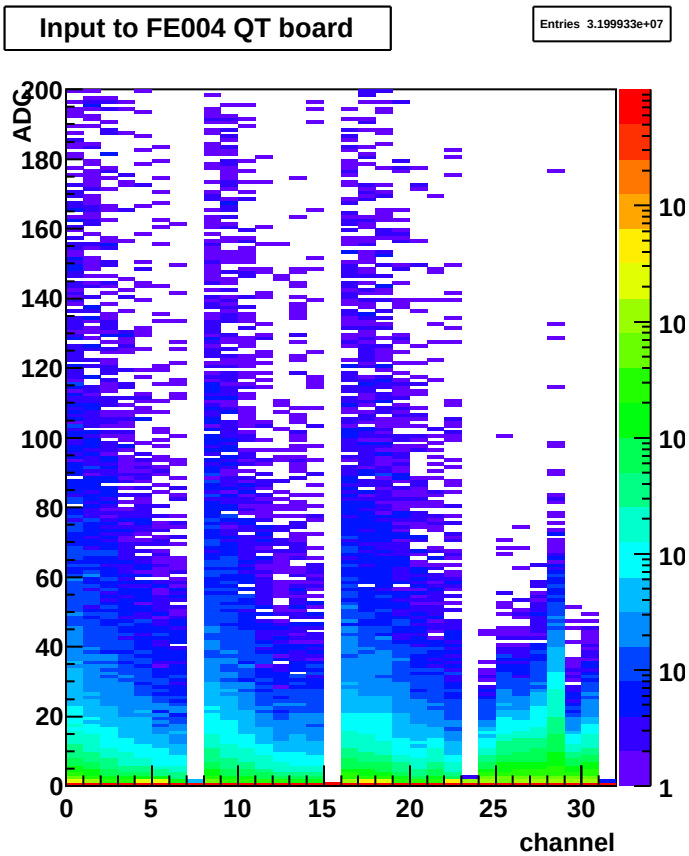

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

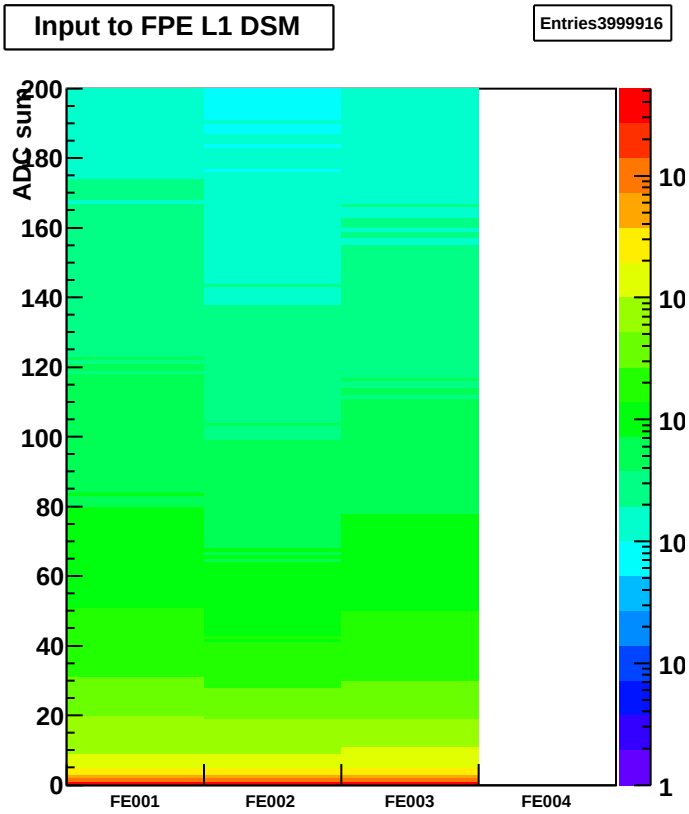

Input to FPD L2 DSM
Entries 3999916
jet patch sum
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

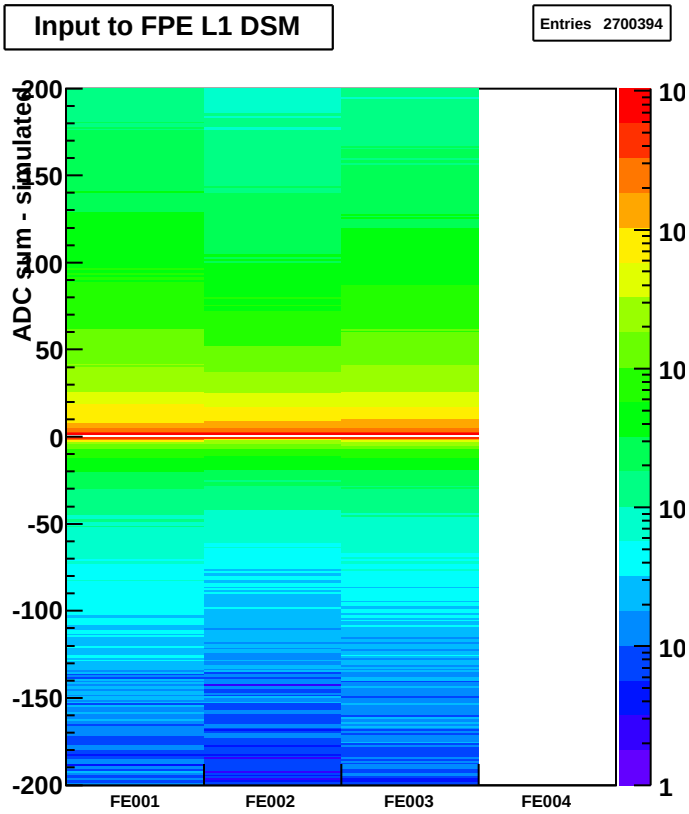

Input to FE001 QT board
Entries 3.199933e+07
ADC
channel

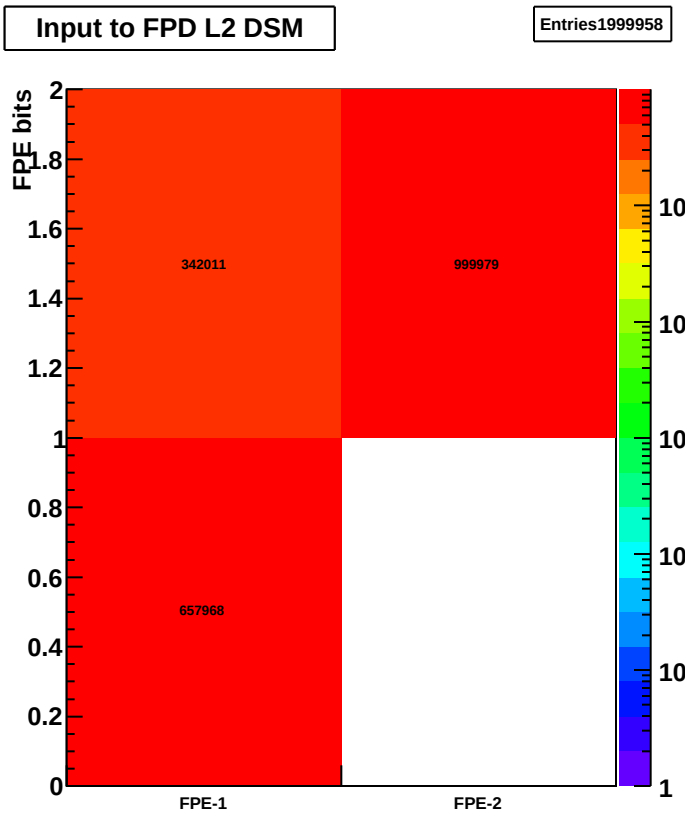

Input to FE002 QT board
Entries 3.199933e+07
ADC
channel

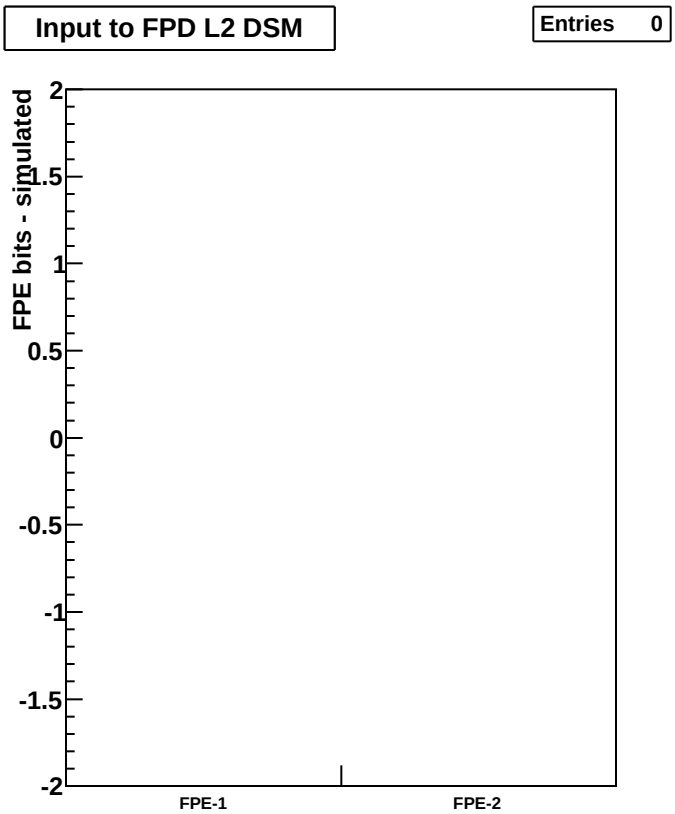

Input to FE003 QT board
Entries 3.199933e+07
ADC
channel


Input to FE004 QT board
Entries 3.199933e+07
ADC
channel


Input to FPE L1 DSM
Entries3999916
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 2700394
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries1999958
FPE bits
342011
999979
657968
FPE-1
FPE-2


Input to FPD L2 DSM
Entries 0
FPE bits - simulated
FPE-1
FPE-2