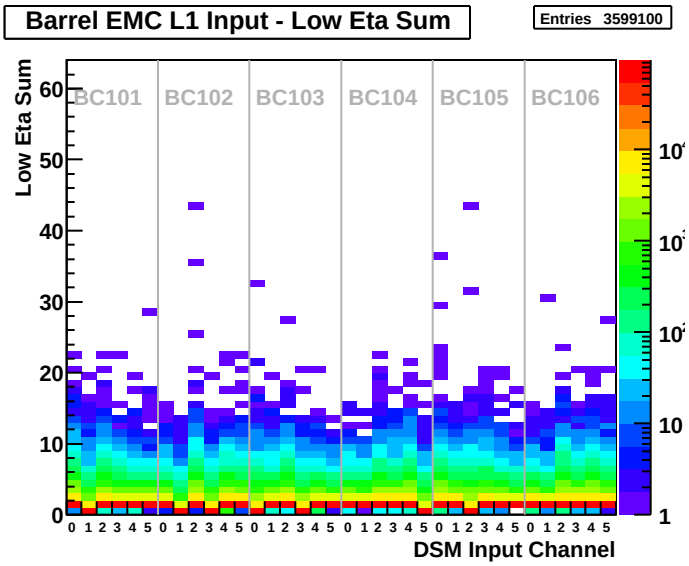
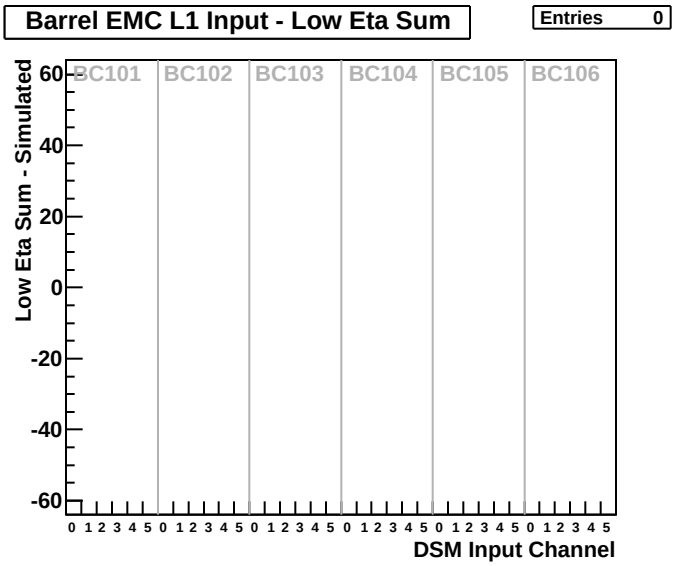
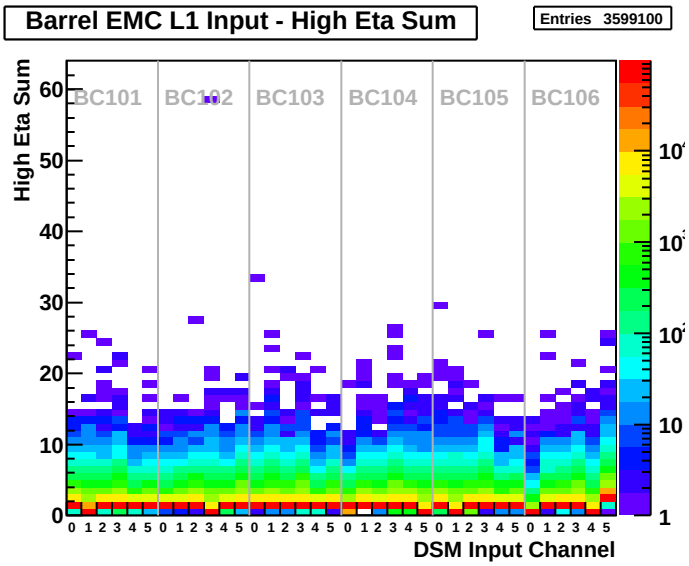
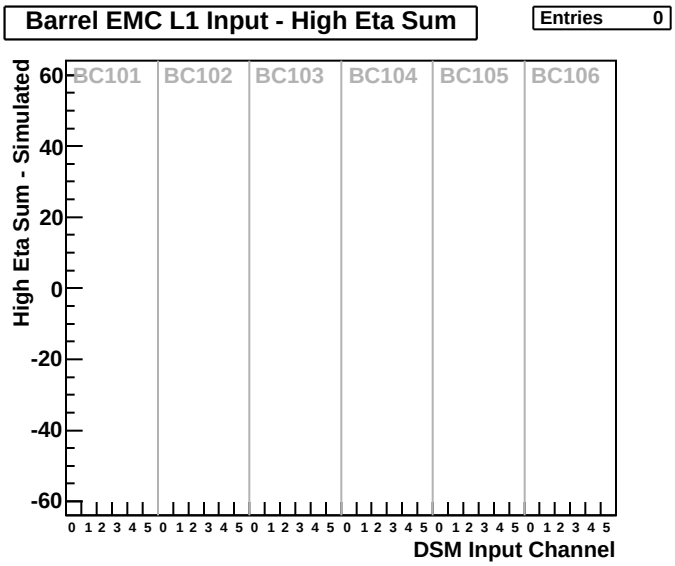
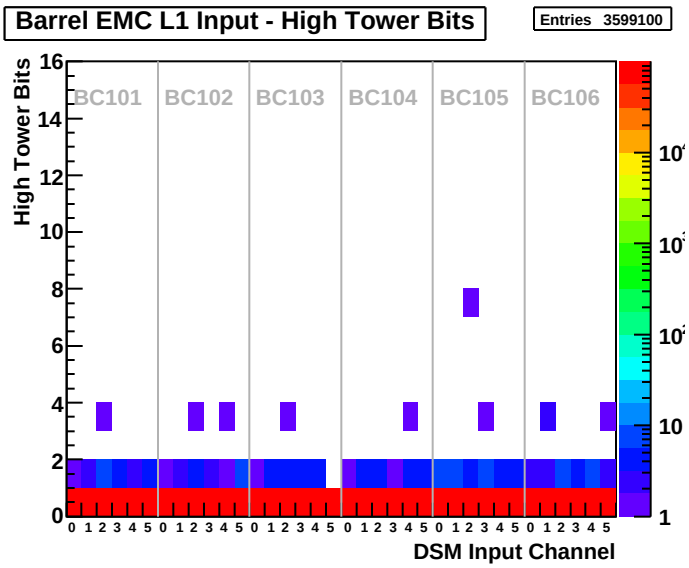
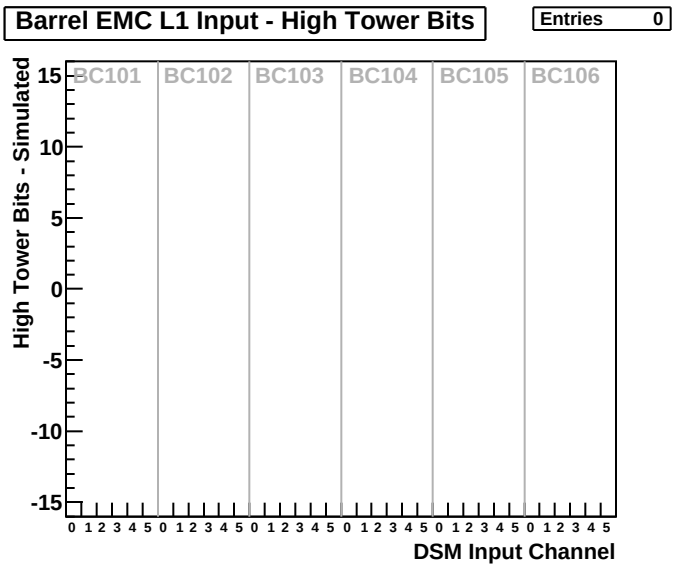

Barrel EMC L1 Input - Low Eta Sum
Entries 3599100
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

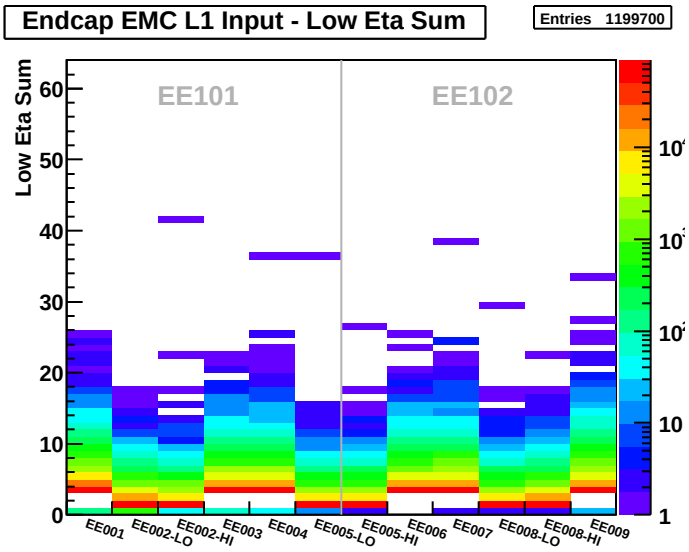

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

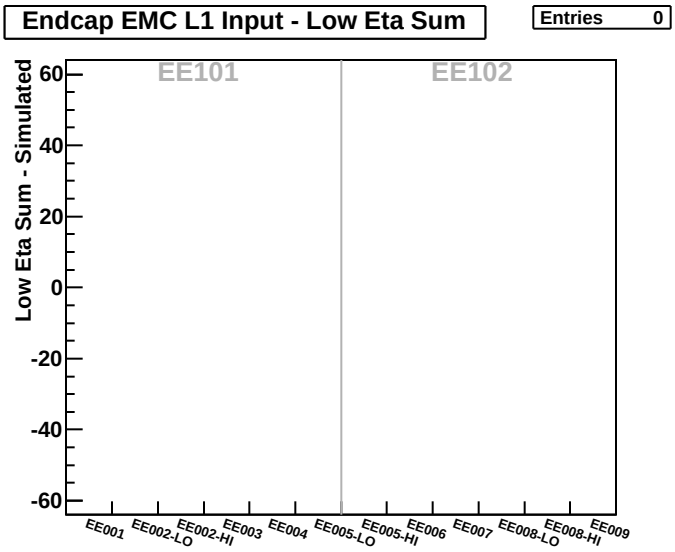

Barrel EMC L1 Input - High Eta Sum
Entries 3599100
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

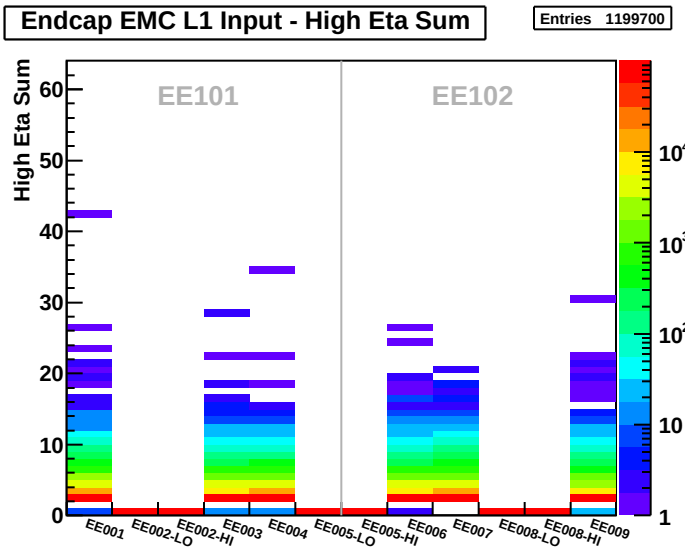

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

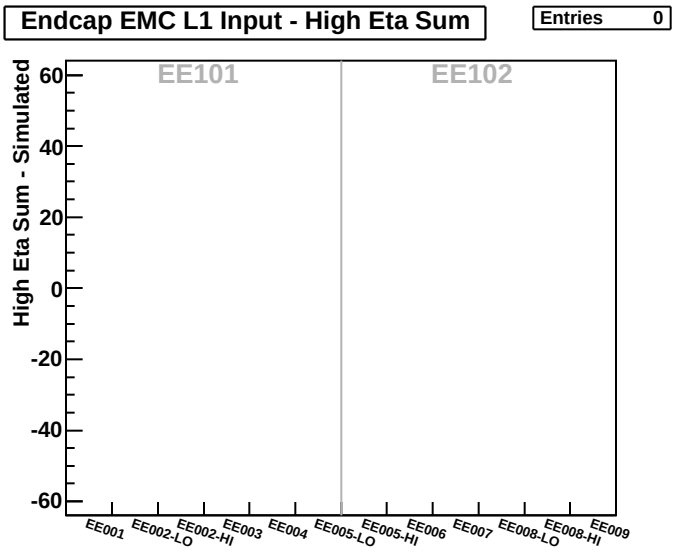

Barrel EMC L1 Input - High Tower Bits
Entries 3599100
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

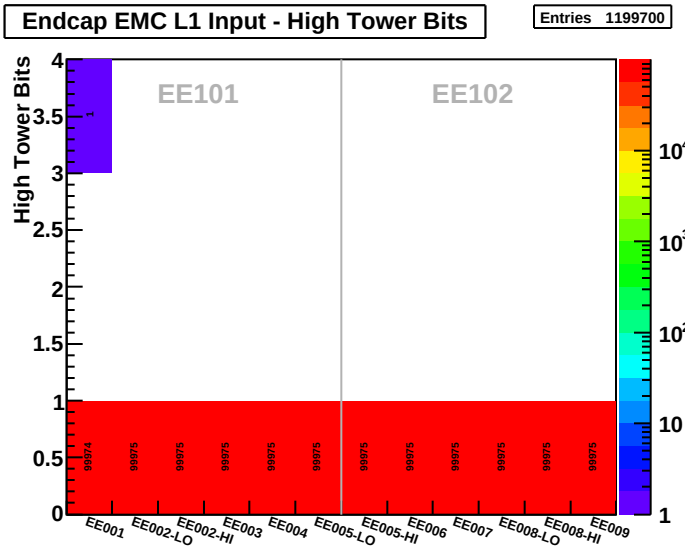

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

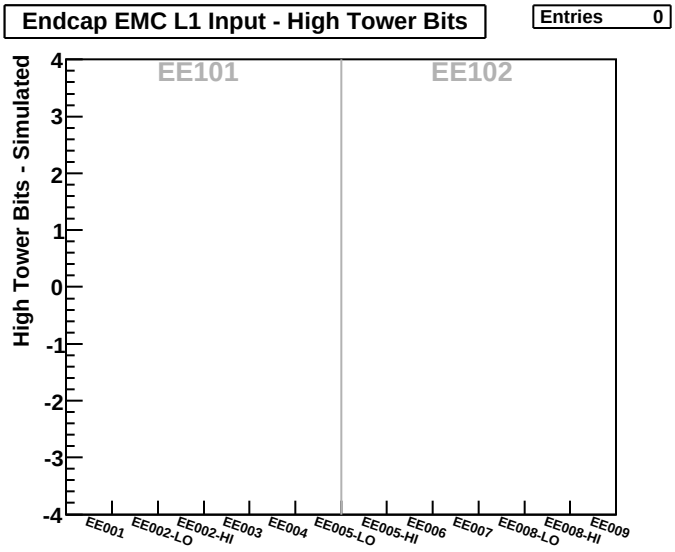

Endcap EMC L1 Input - Low Eta Sum
Entries 1199700
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

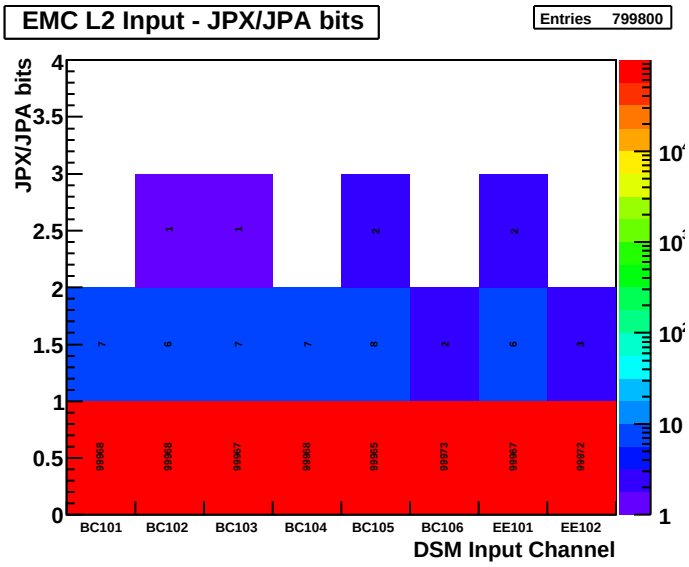

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

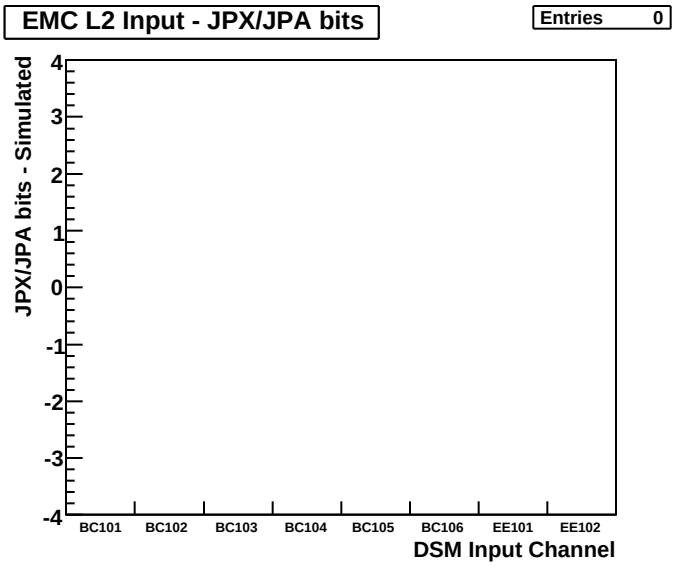

Endcap EMC L1 Input - High Eta Sum
Entries 1199700
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

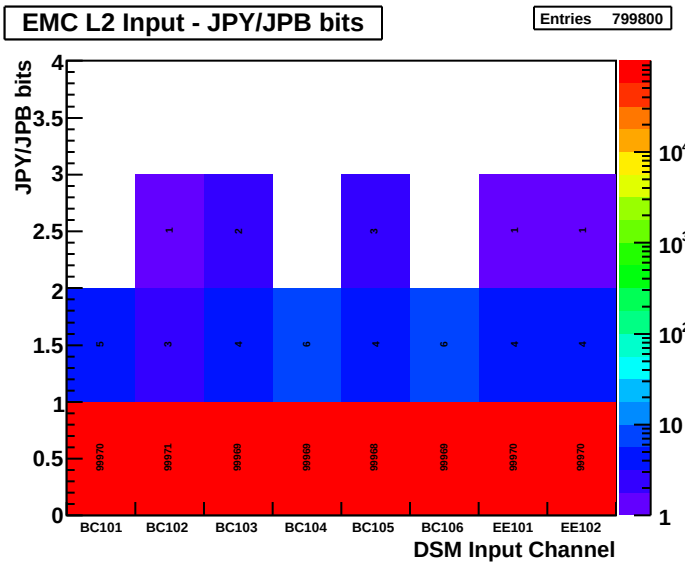

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

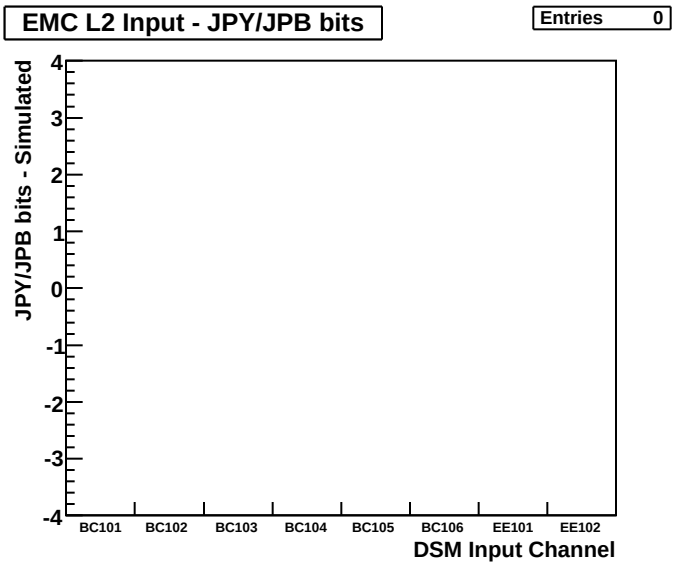

Endcap EMC L1 Input - High Tower Bits
Entries 1199700
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

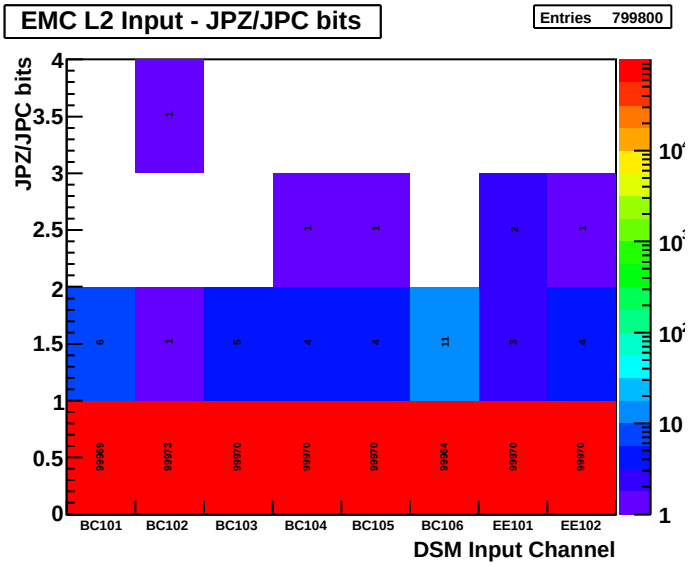

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

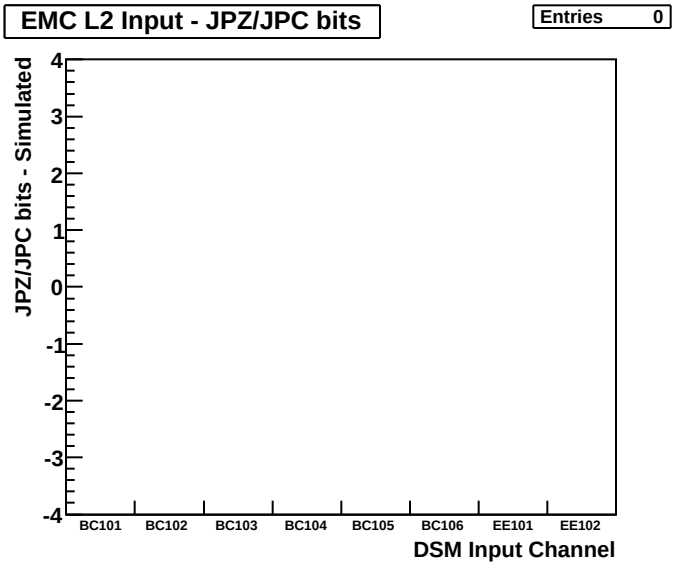

EMC L2 Input - JPX/JPA bits
Entries 799800
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

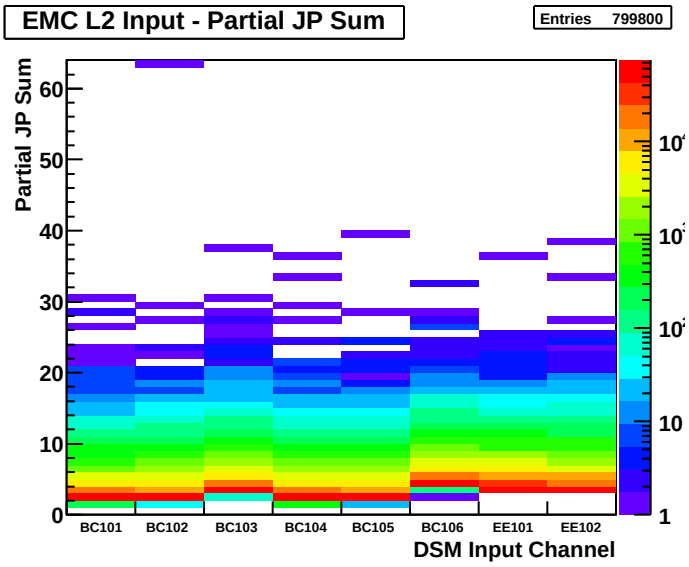

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

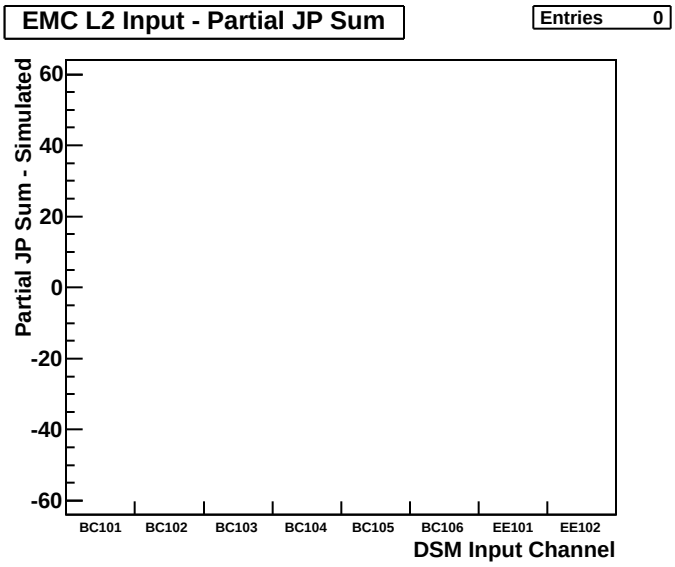

EMC L2 Input - JPY/JPB bits
Entries 799800
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

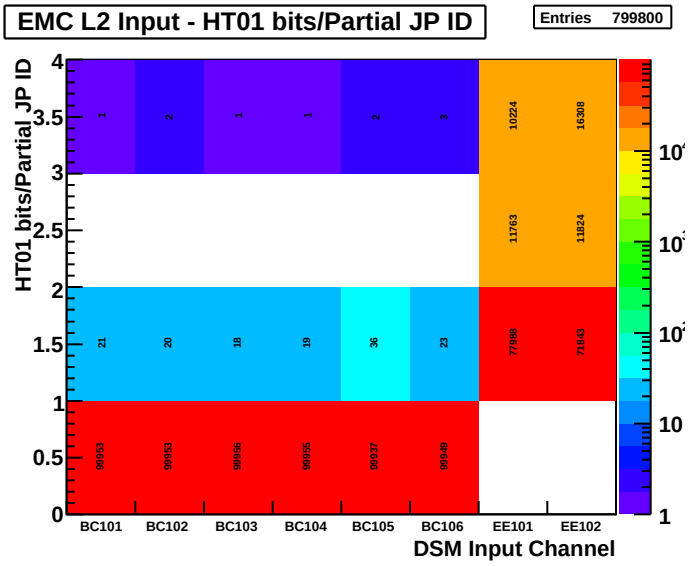

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

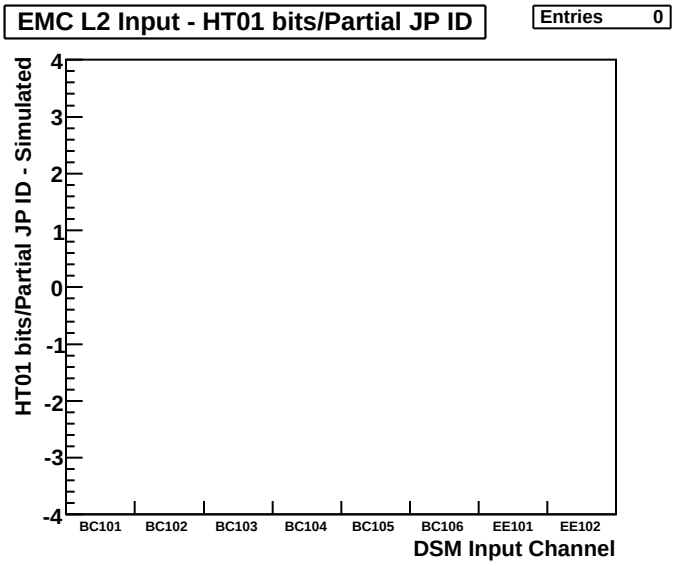

EMC L2 Input - JPZ/JPC bits
Entries 799800
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

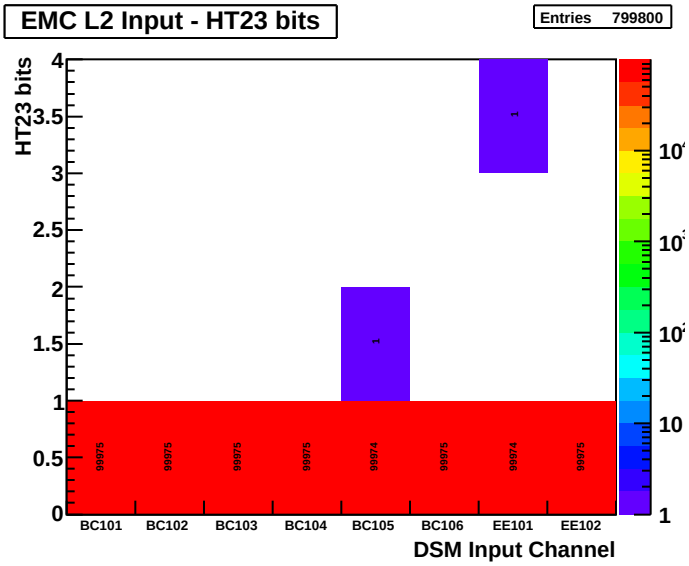

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

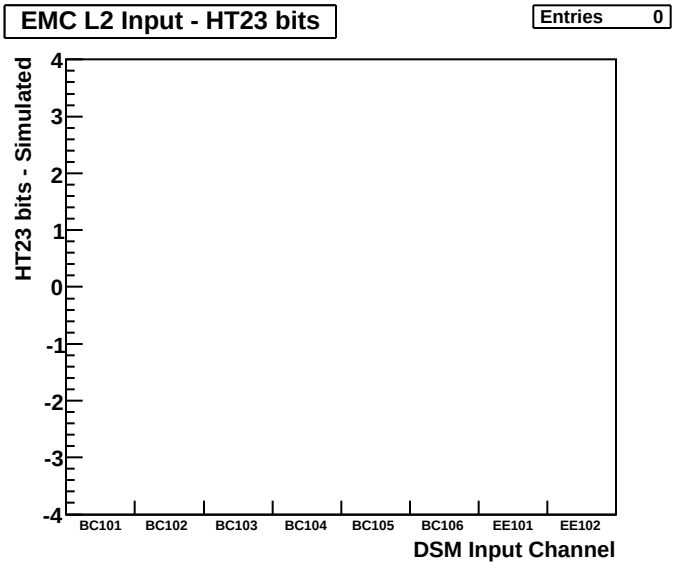

EMC L2 Input - Partial JP Sum
Entries 799800
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

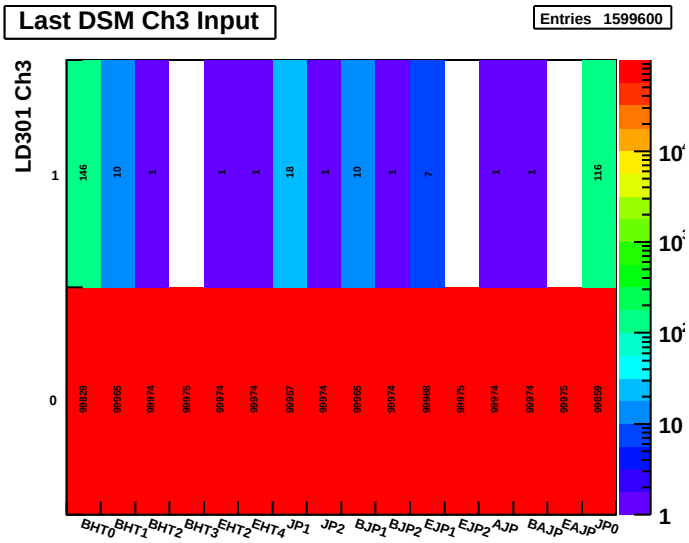

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

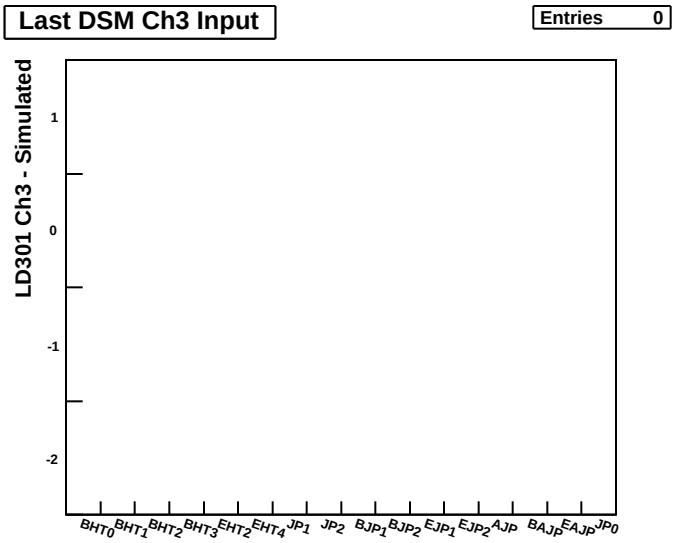

EMC L2 Input - HT01 bits/Partial JP ID
Entries 799800
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

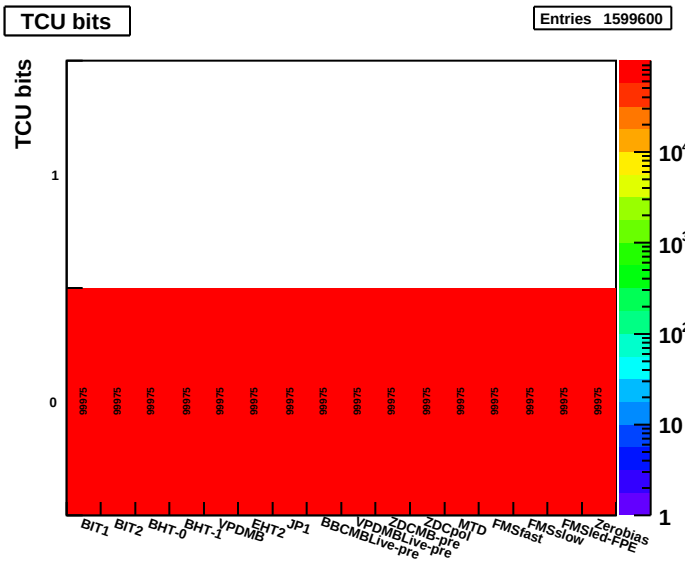

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

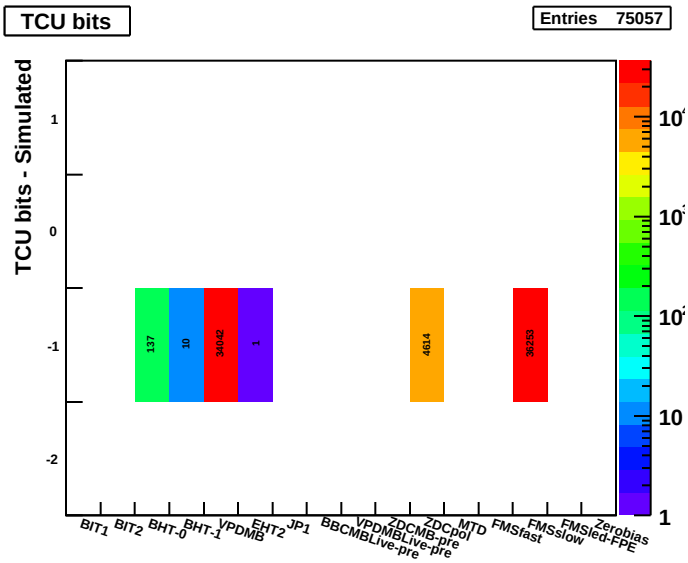

EMC L2 Input - HT23 bits
Entries 799800
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

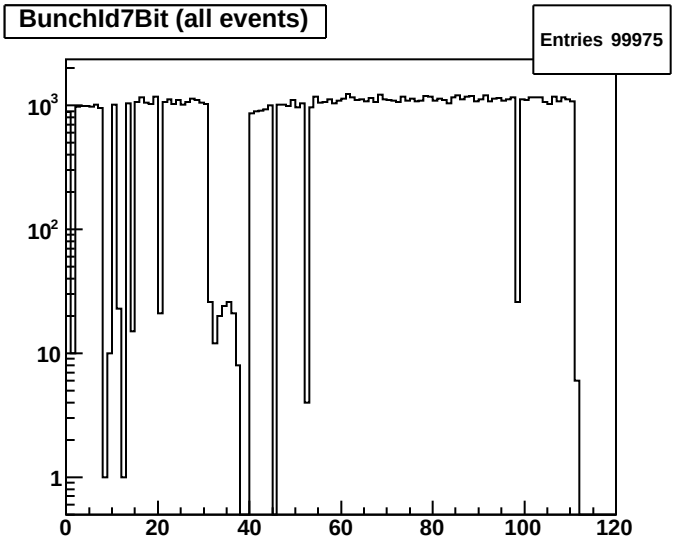

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

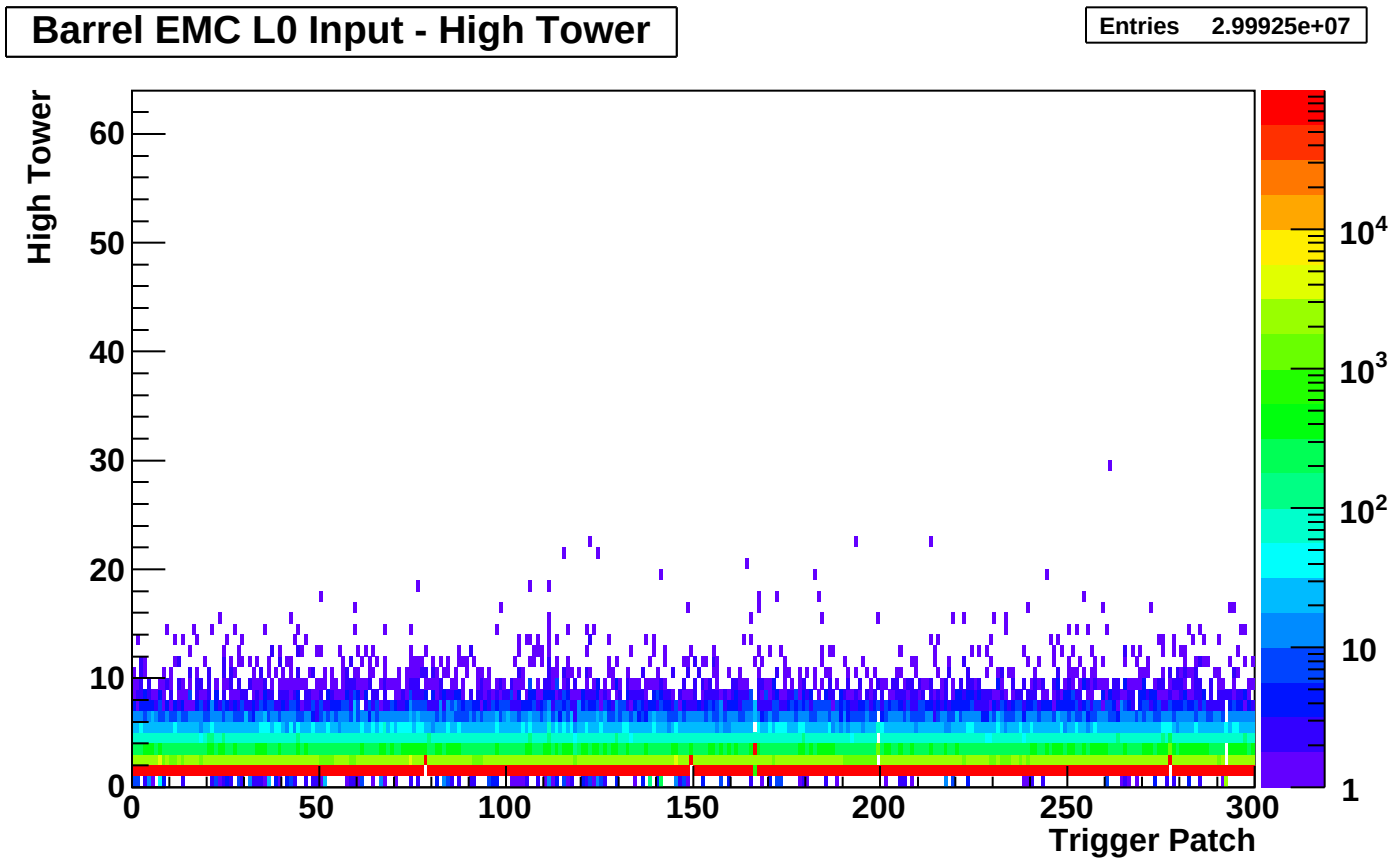

Last DSM Ch3 Input
Entries 1599600
LD301 Ch3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

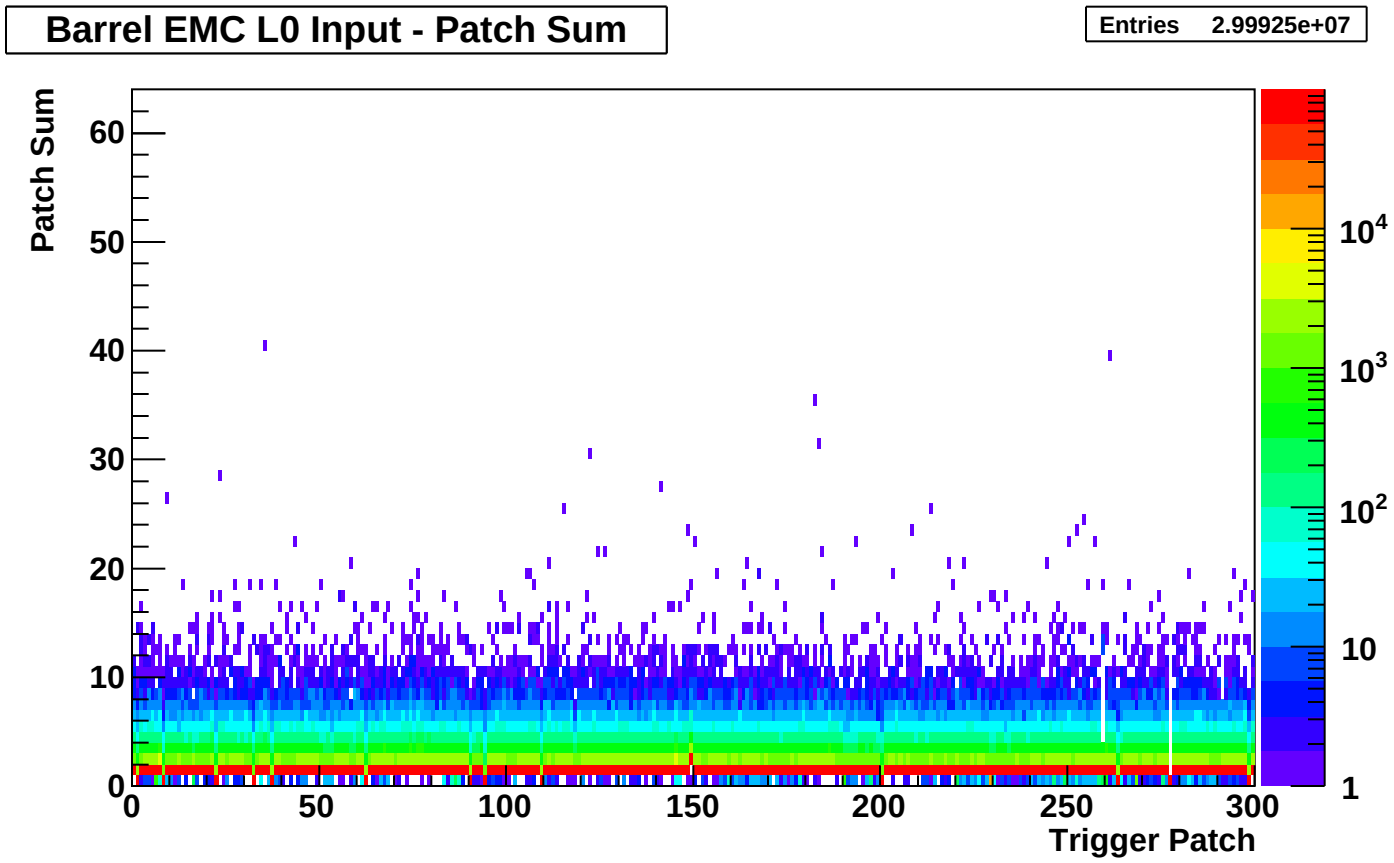

Last DSM Ch3 Input
Entries 0
LD301 Ch3 - Simulated
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

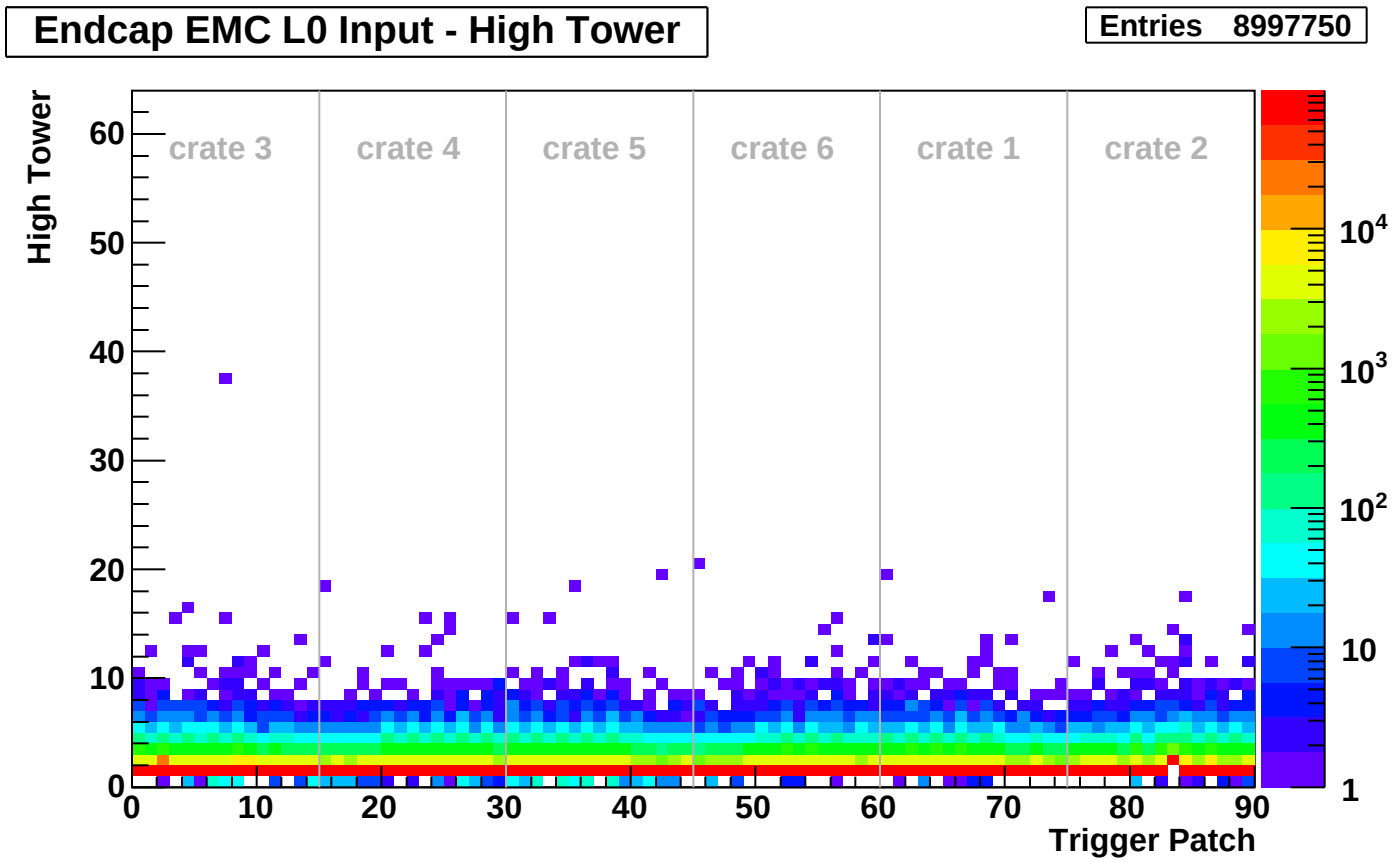

TCU bits
Entries 1599600
TCU bits
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

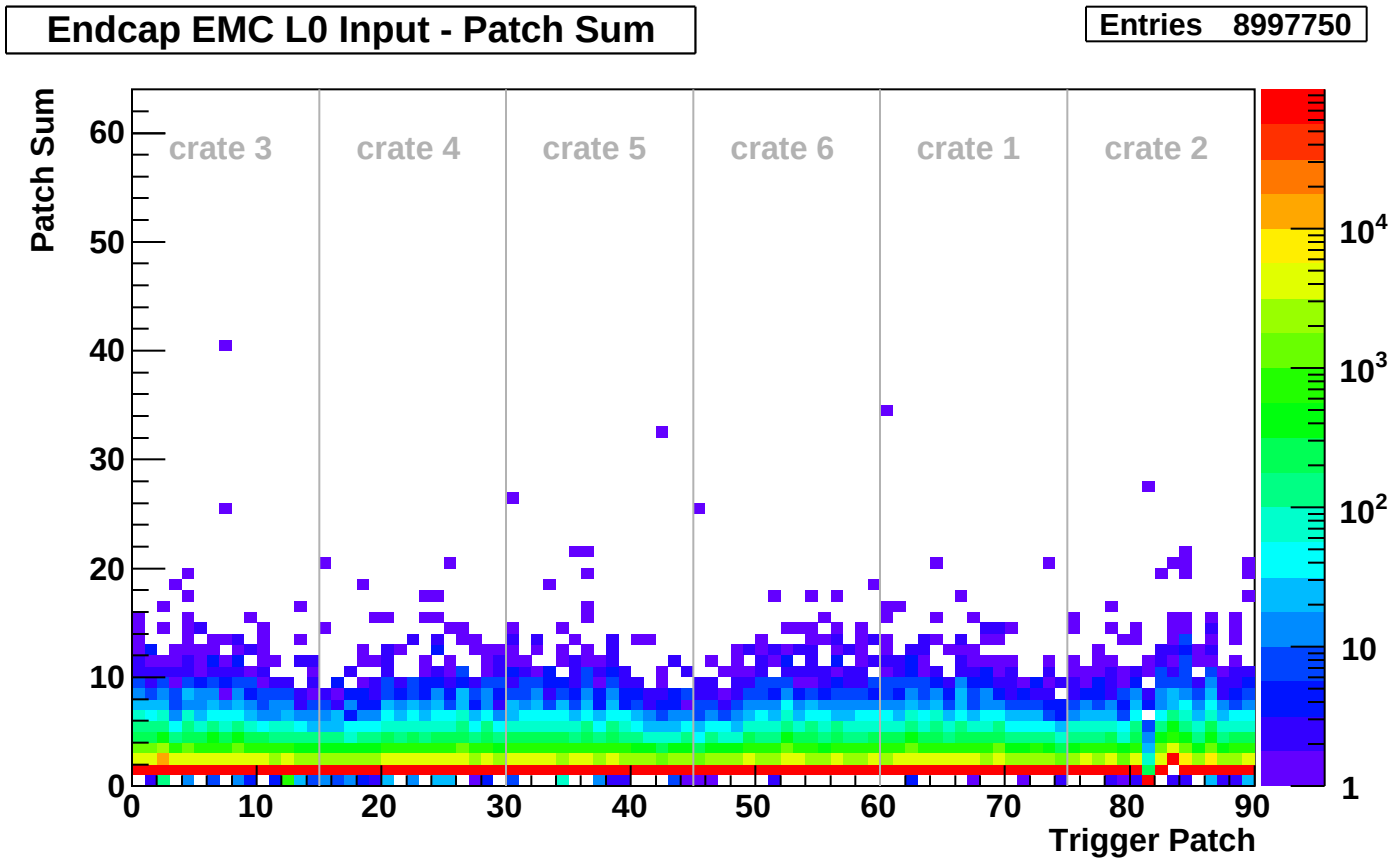

TCU bits
Entries 75057
TCU bits - Simulated
137
10
34042
1
4614
36253
BIT1 BIT2 BHT-0 BHT-1 VPDMB EHT2 JP1 BBCMBLive-pre VPDMBLive-pre ZDCMB-pre ZDCpol MTD FMSfast FMSslow FMSled-FPE Zerobias

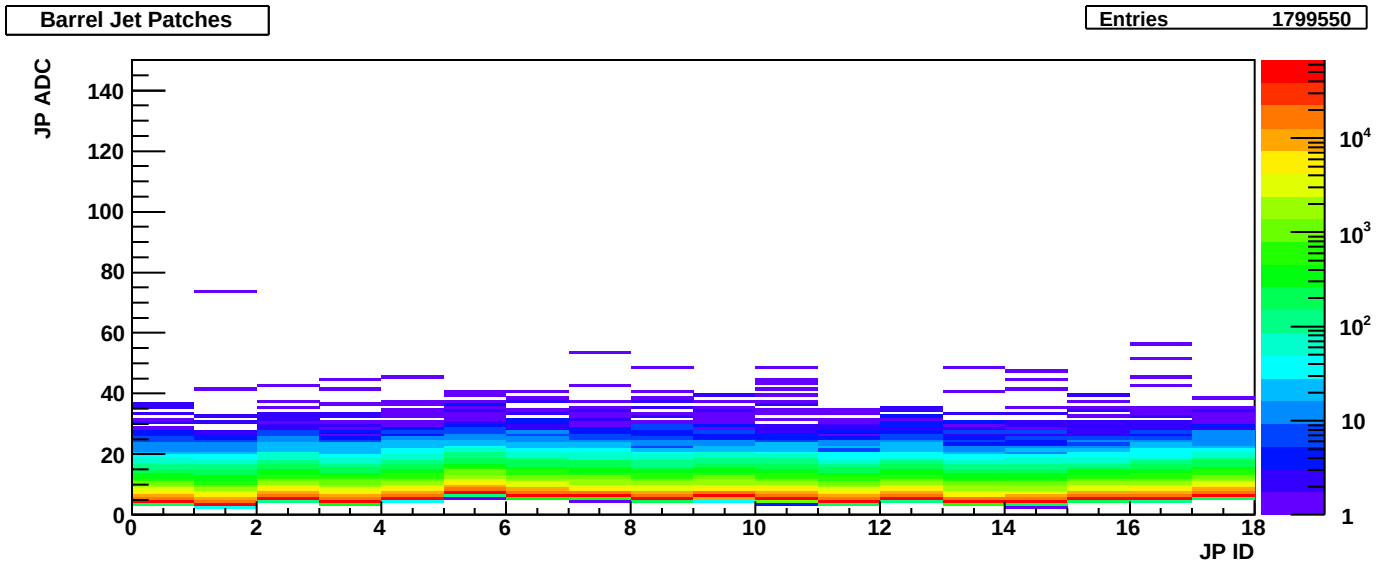

BunchId7Bit (all events)
Entries 99975

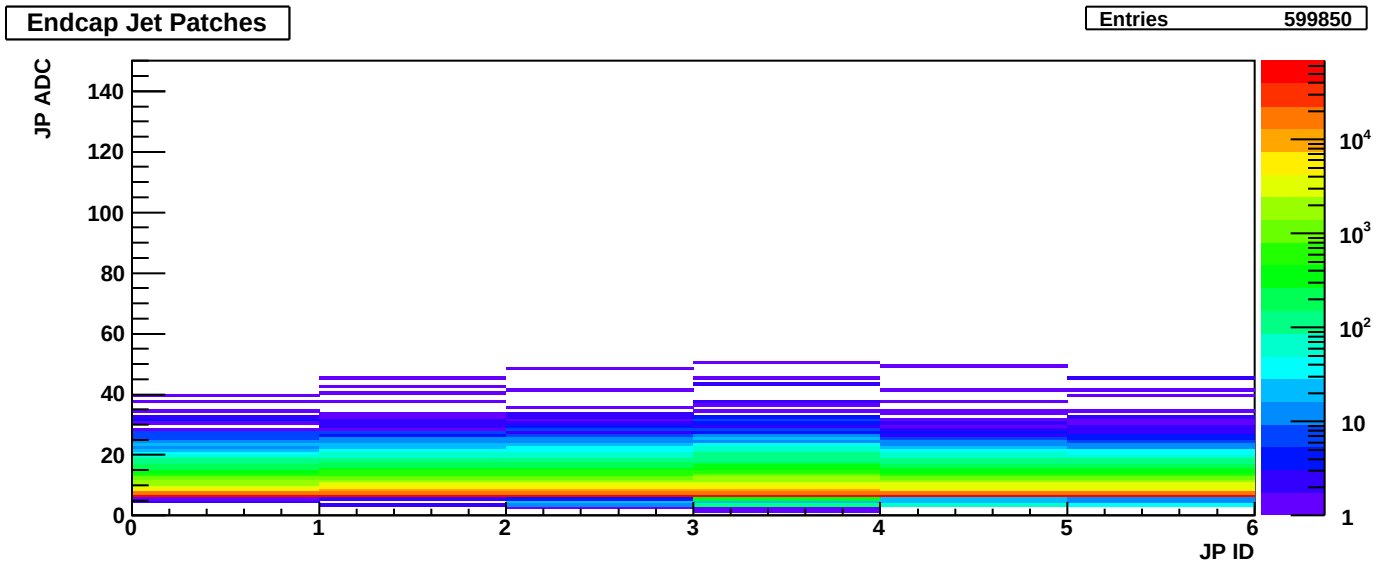

Barrel EMC L0 Input - High Tower
Entries 2.99925e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

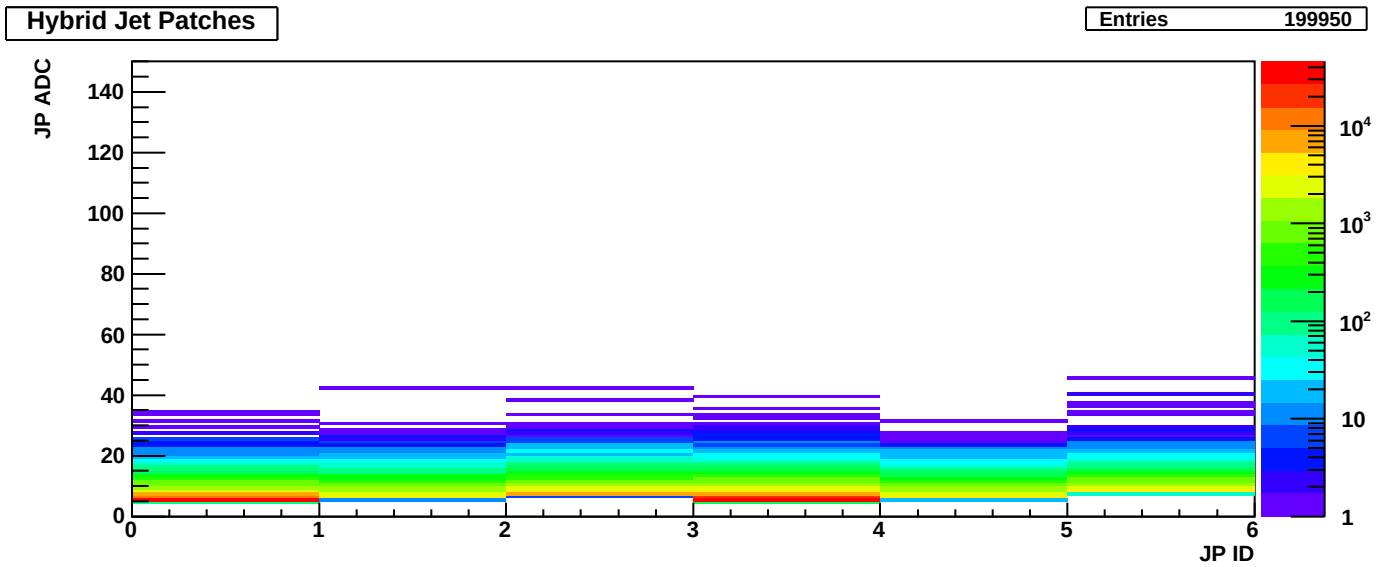

Barrel EMC L0 Input - Patch Sum
Entries 2.99925e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

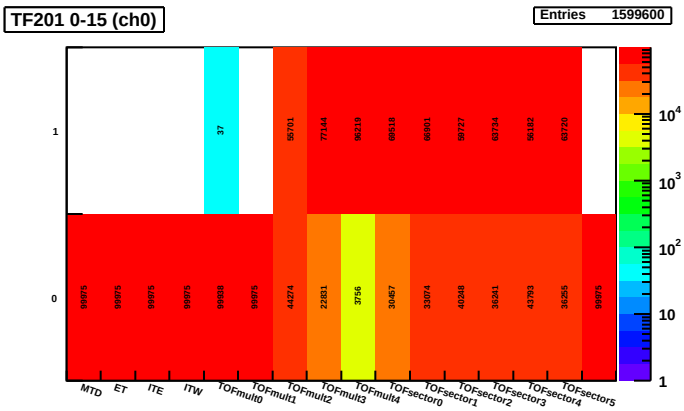

Endcap EMC L0 Input - High Tower
Entries 8997750
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3
10^4

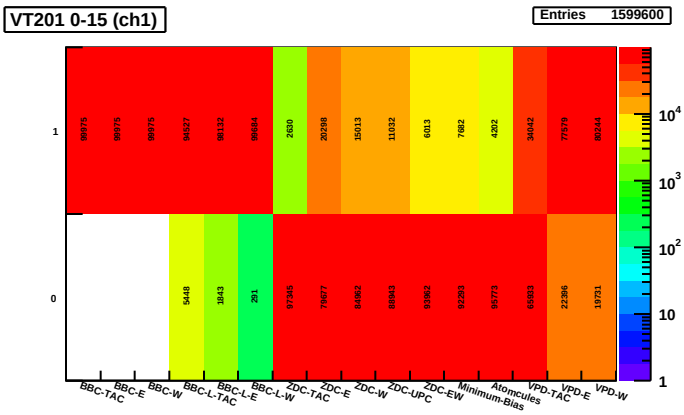

Endcap EMC L0 Input - Patch Sum
Entries 8997750
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3
10^4

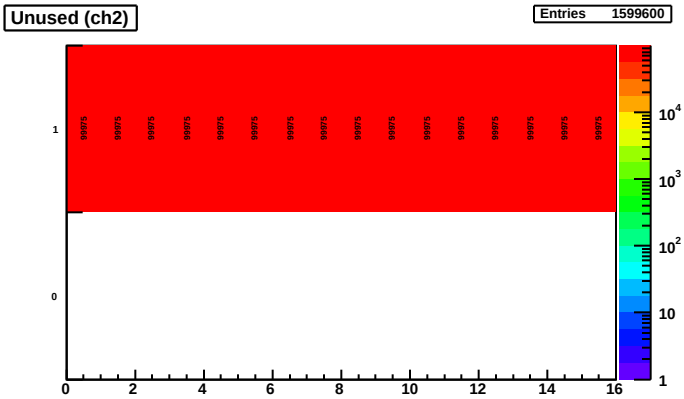

Barrel Jet Patches
Entries 1799550
JP ADC
JP ID

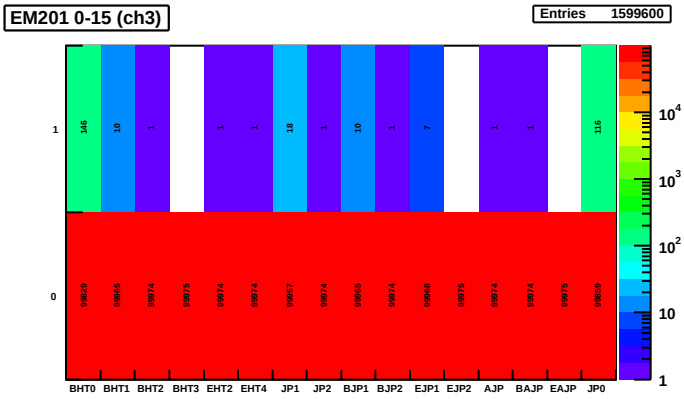

Endcap Jet Patches
Entries 599850
JP ADC
JP ID

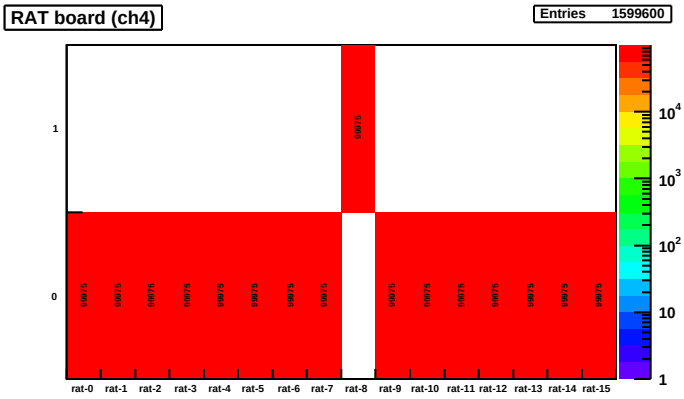

Hybrid Jet Patches
Entries 199950
JP ADC
JP ID

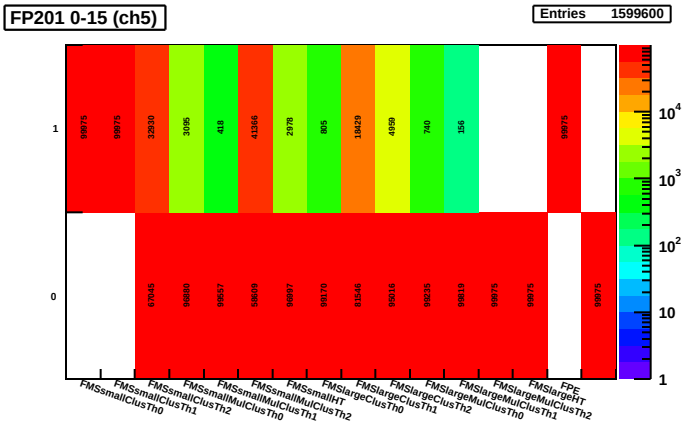

TF201 0-15 (ch0)
Entries 1599600
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5

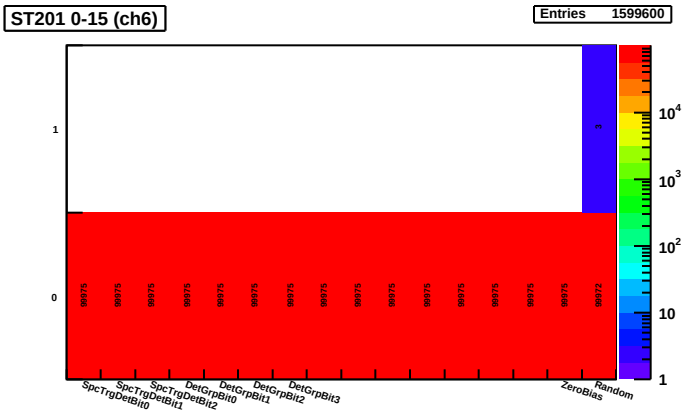

VT201 0-15 (ch1)
Entries 1599600
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW Minimum-Bias Atomcules VPD-TAC VPD-E VPD-W

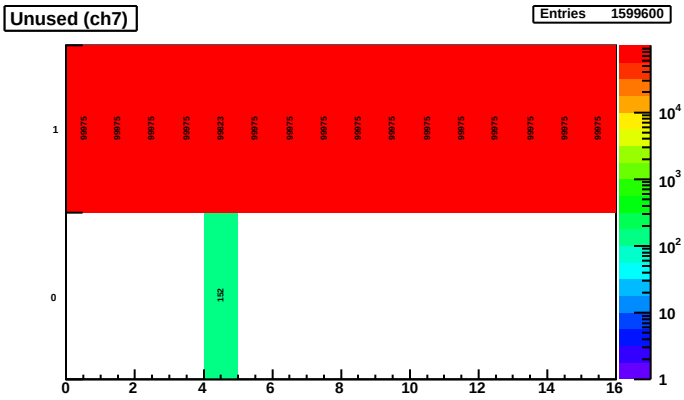

Unused (ch2)
Entries 1599600

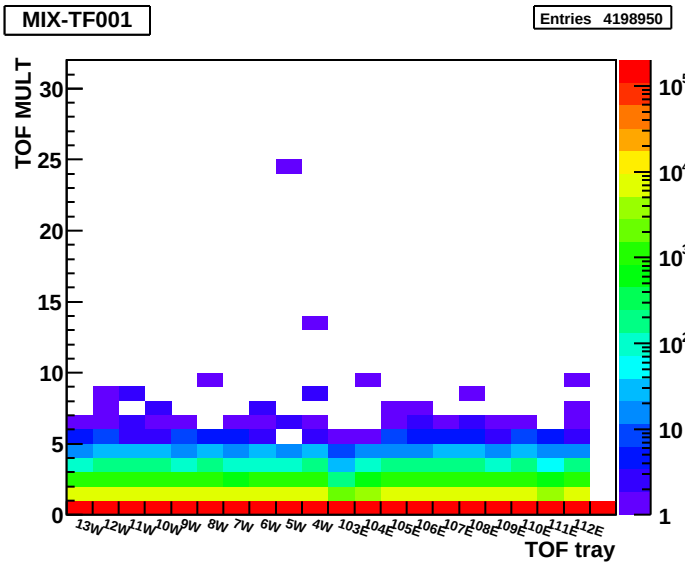

EM201 0-15 (ch3)
Entries 1599600
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

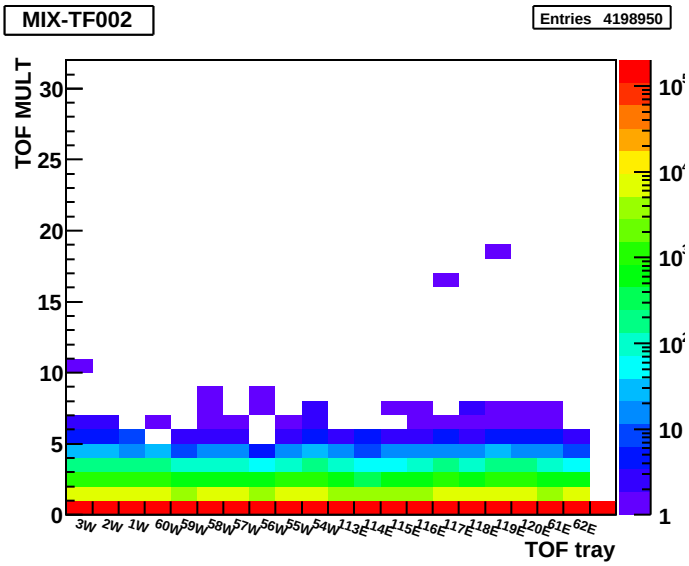

RAT board (ch4)
Entries 1599600
rat-0 rat-1 rat-2 rat-3 rat-4 rat-5 rat-6 rat-7 rat-8 rat-9 rat-10 rat-11 rat-12 rat-13 rat-14 rat-15

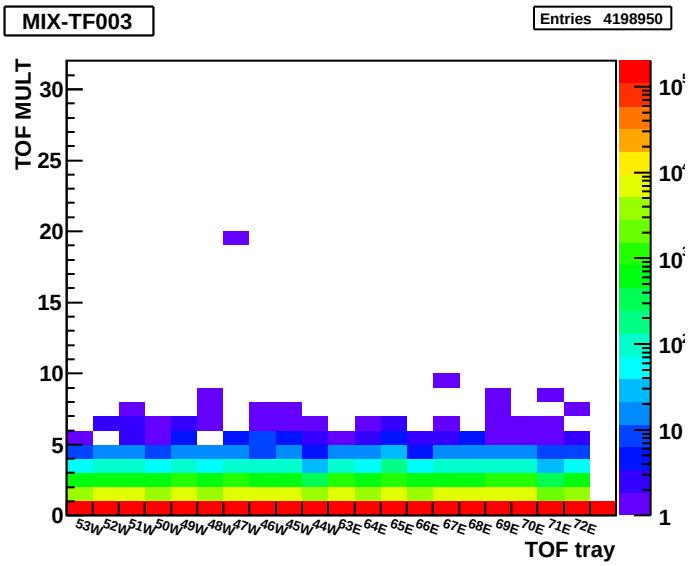

FP201 0-15 (ch5)
Entries 1599600
FMSsmallClusTh0 FMSsmallClusTh1 FMSsmallClusTh2 FMSsmallMulClusTh0 FMSsmallMulClusTh1 FMSsmallMulClusTh2 FMSsmallHT FMSlargeClusTh0 FMSlargeClusTh1 FMSlargeClusTh2 FMSlargeMulClusTh0 FMSlargeMulClusTh1 FMSlargeMulClusTh2 FMSlargeHT FPE

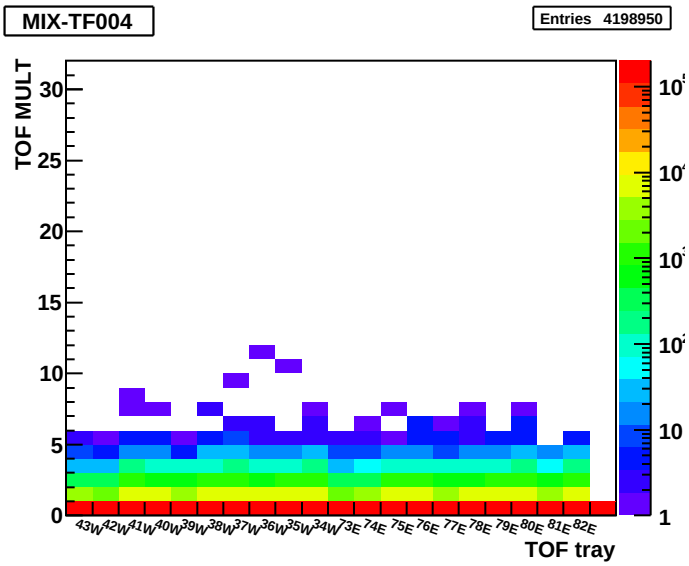

ST201 0-15 (ch6)
Entries 1599600
SpcTrgDetBit0 SpcTrgDetBit1 SpcTrgDetBit2 DetCrpBit0 DetCrpBit1 DetCrpBit2 DetCrpBit3 ZeroBias Random

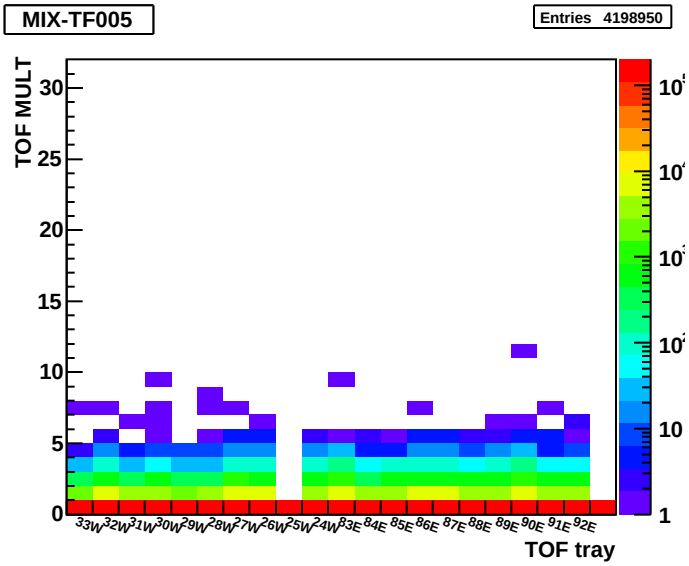

Unused (ch7)
Entries 1599600

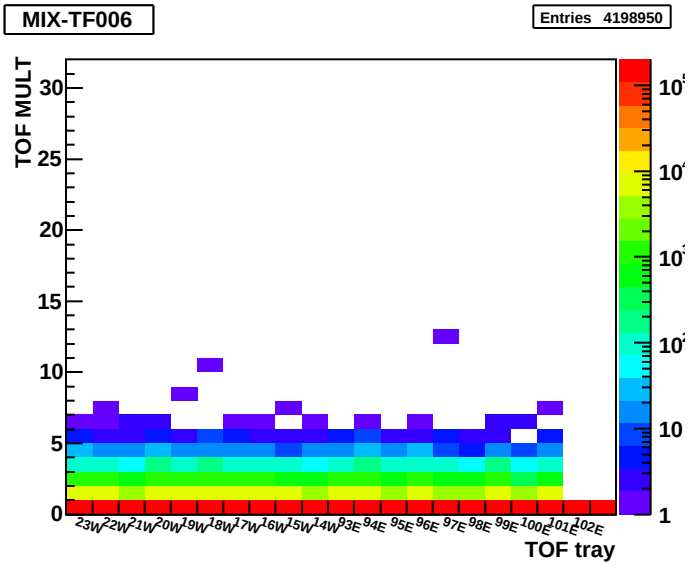

MIX-TF001
Entries 4198950
TOF MULT
TOF tray

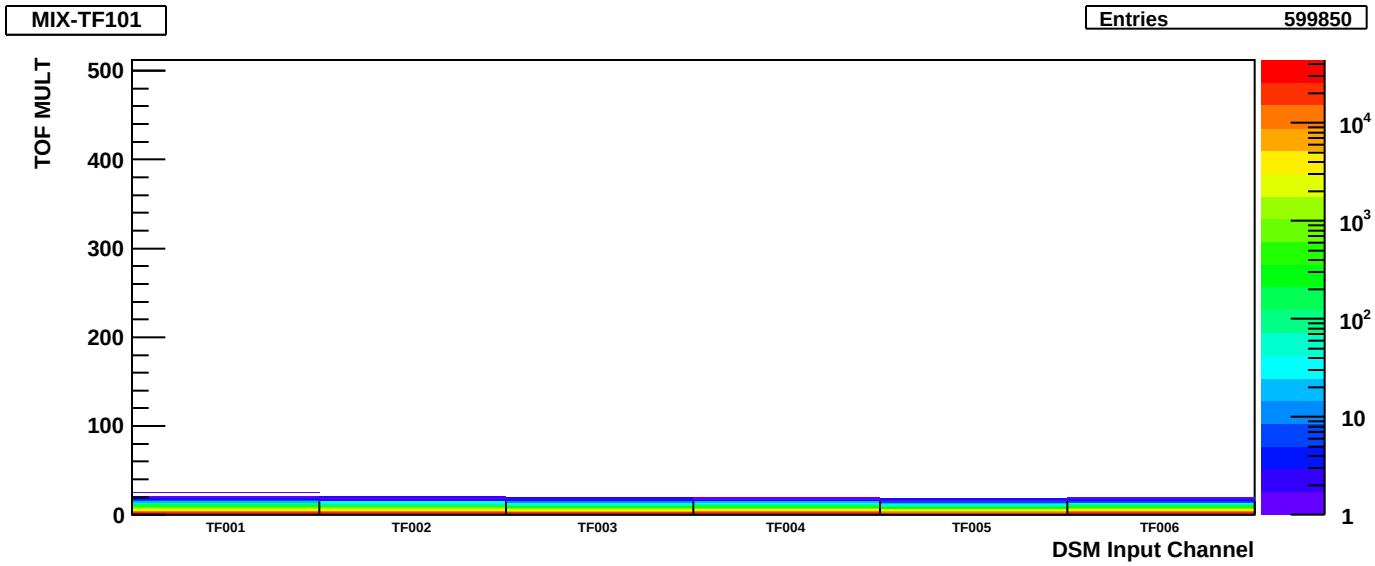

MIX-TF002
Entries 4198950
TOF MULT
TOF tray

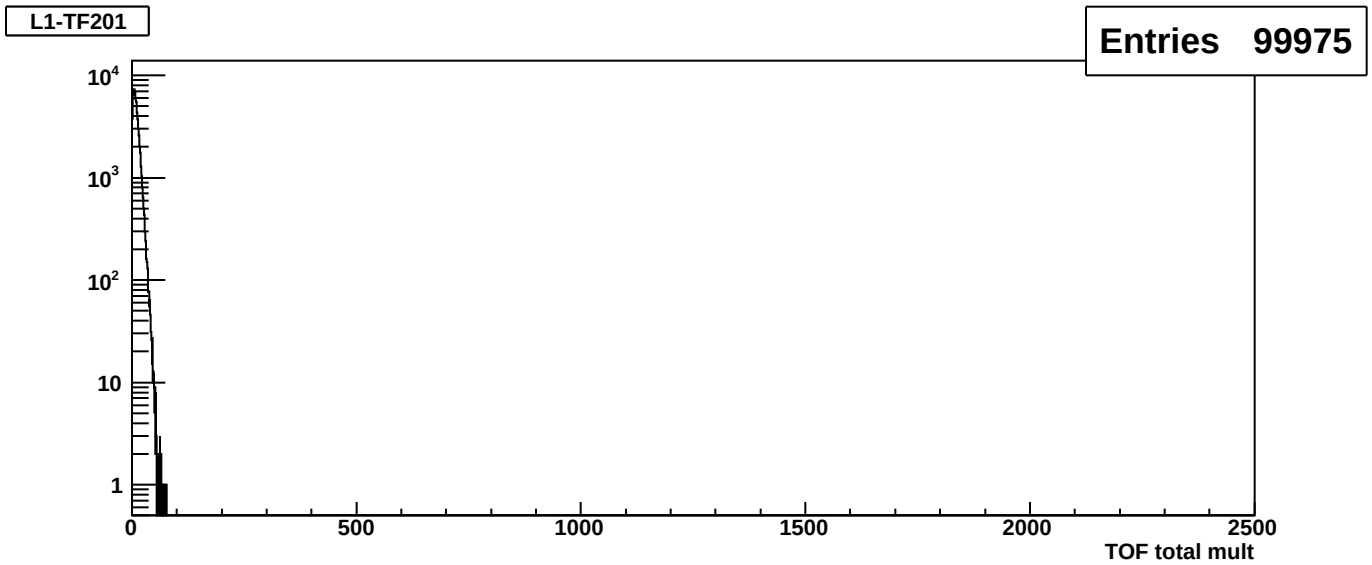

MIX-TF003
Entries 4198950
TOF MULT
TOF tray

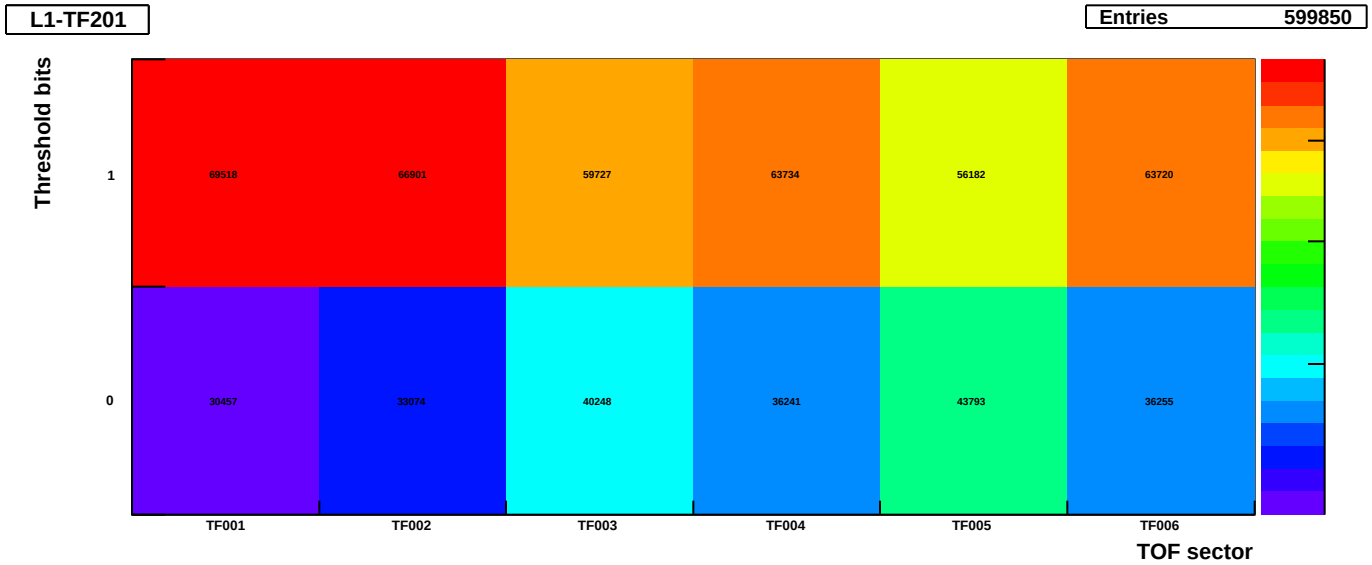

MIX-TF004
Entries 4198950
TOF MULT
TOF tray

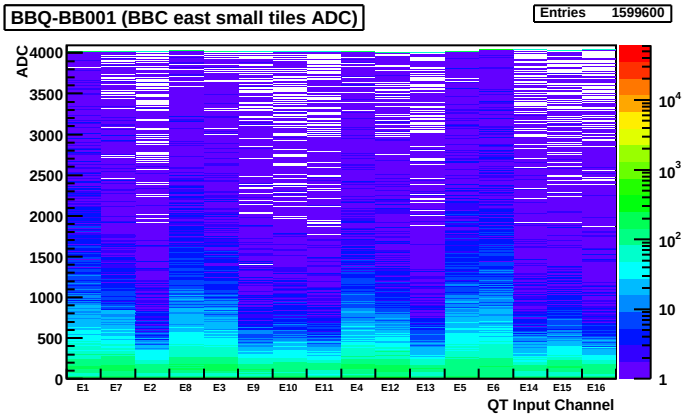

MIX-TF005
Entries 4198950
TOF MULT
TOF tray

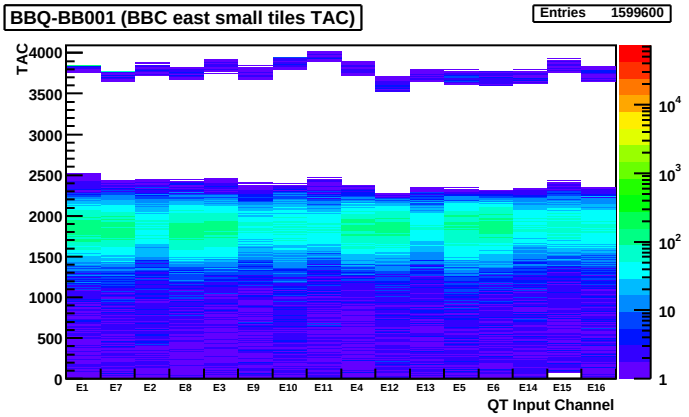

MIX-TF006
Entries 4198950
TOF MULT
TOF tray

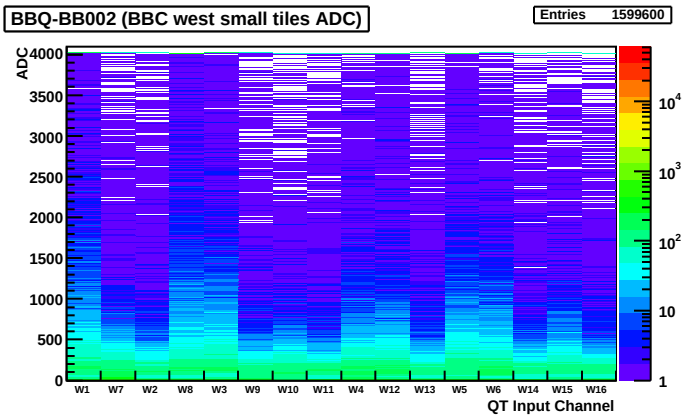

MIX-TF101
Entries 599850
TOF MULT
500
400
300
200
100
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3
10^2
10
1

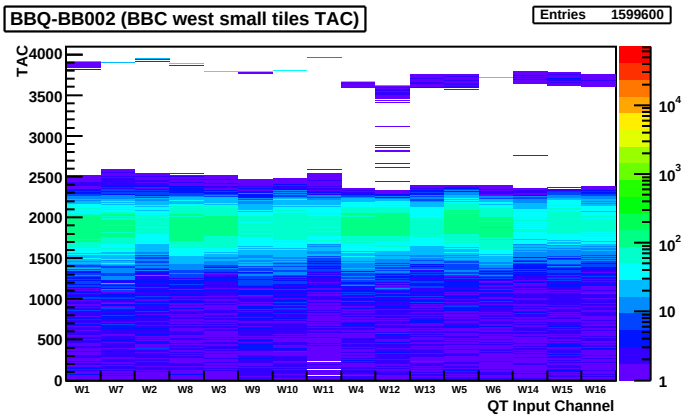

L1-TF201
Entries 99975
10^4
10^3
10^2
10
1
0
500
1000
1500
2000
2500
TOF total mult

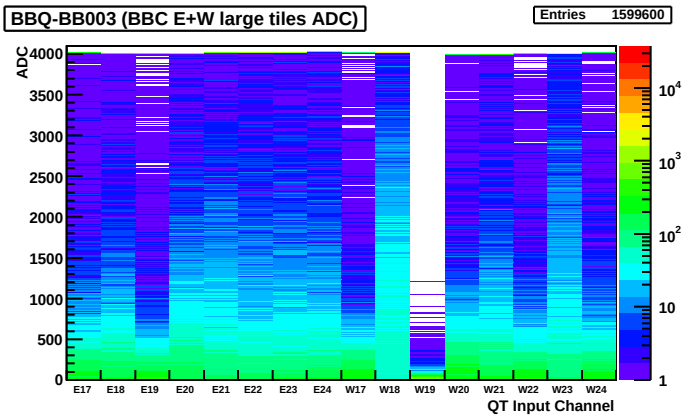

L1-TF201
Entries 599850
Threshold bits
1
0
69518
66901
59727
63734
56182
63720
30457
33074
40248
36241
43793
36255
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector

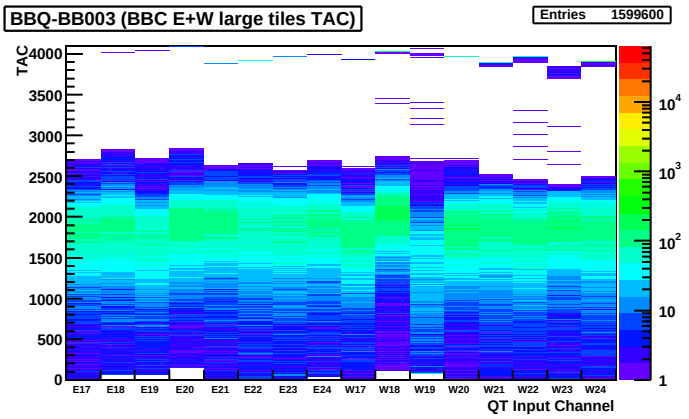

BBQ-BB001 (BBC east small tiles ADC)
Entries 1599600
ADC
QT Input Channel

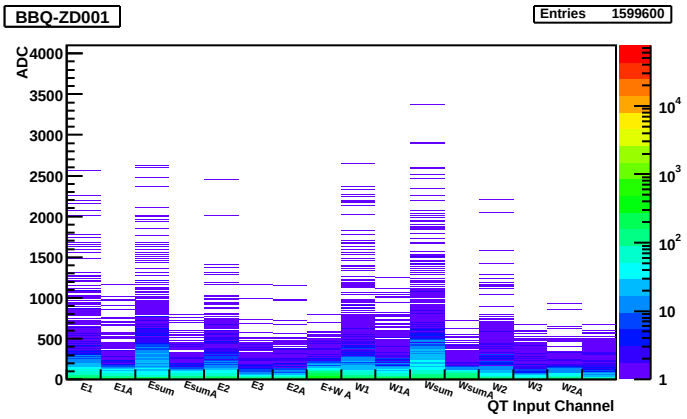

BBQ-BB001 (BBC east small tiles TAC)
Entries 1599600
TAC
QT Input Channel

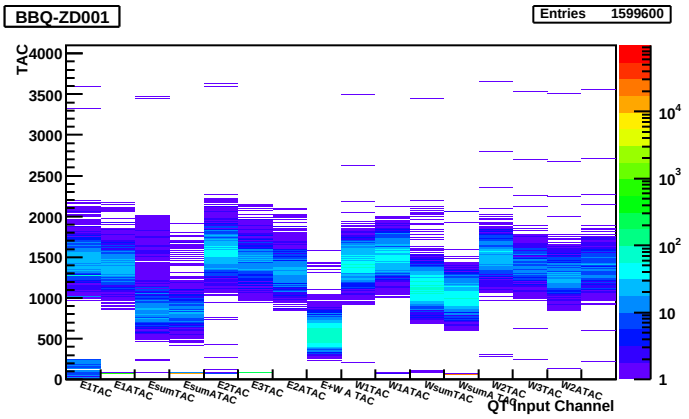

BBQ-BB002 (BBC west small tiles ADC)
Entries 1599600
ADC
QT Input Channel

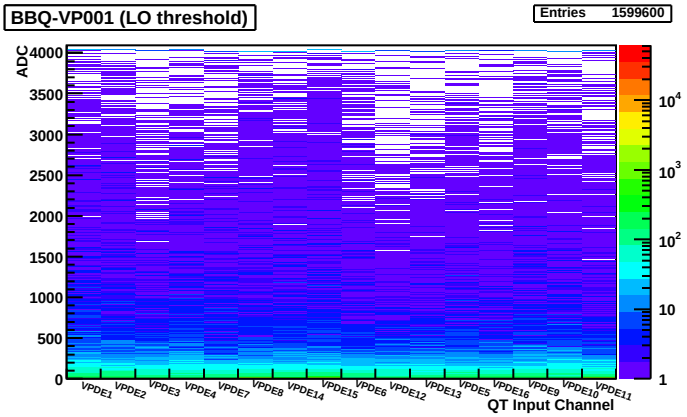

BBQ-BB002 (BBC west small tiles TAC)
Entries 1599600
TAC
QT Input Channel

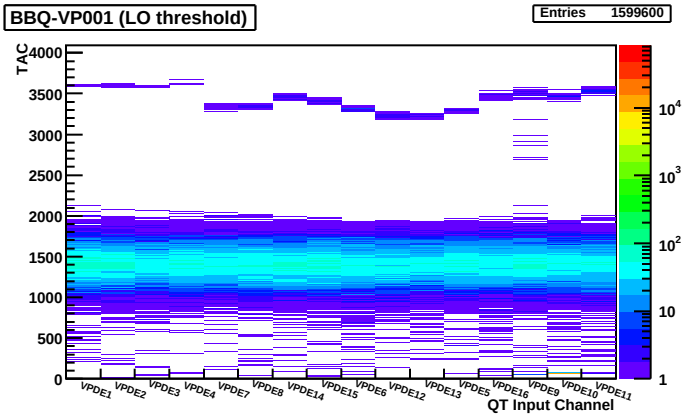

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1599600
ADC
QT Input Channel

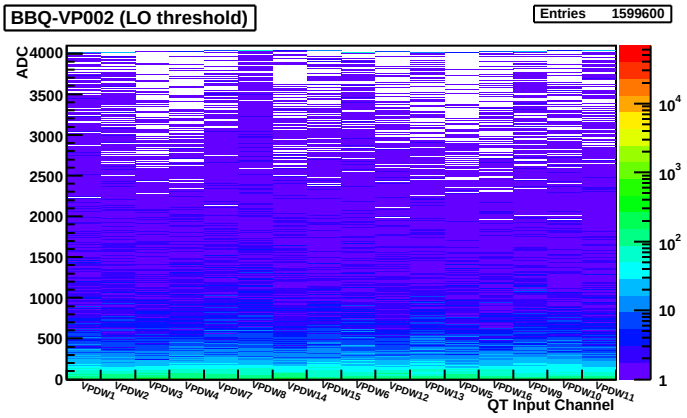

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1599600
TAC
QT Input Channel

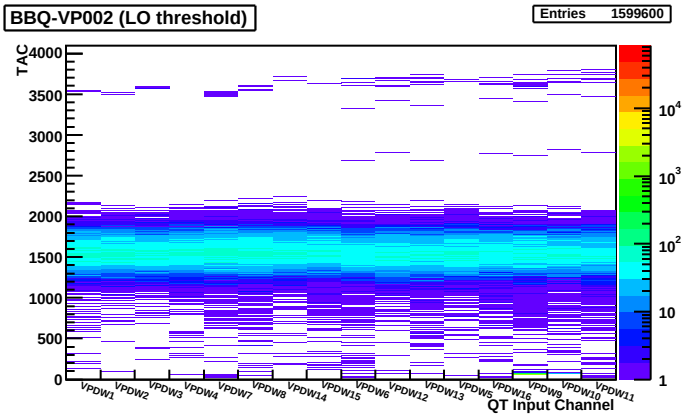

BBQ-ZD001
Entries 1599600
ADC
QT Input Channel

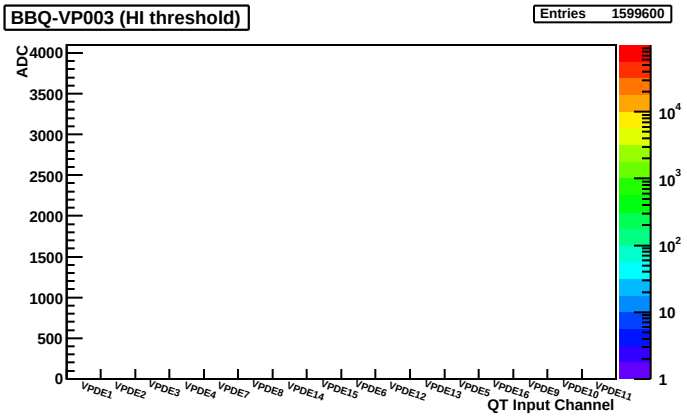

BBQ-ZD001
Entries 1599600
TAC
QT Input Channel

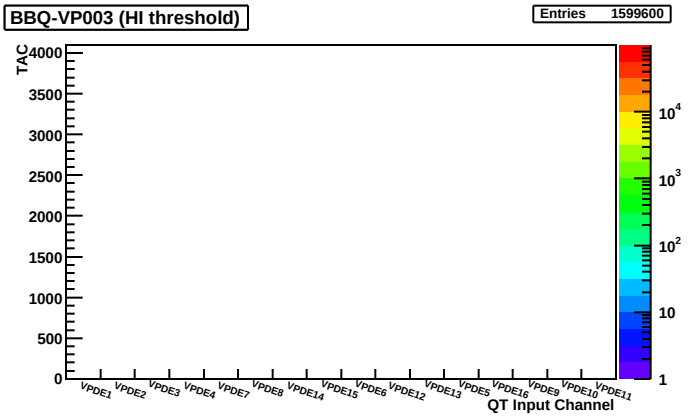

BBQ-VP001 (LO threshold)
Entries 1599600
ADC
QT Input Channel

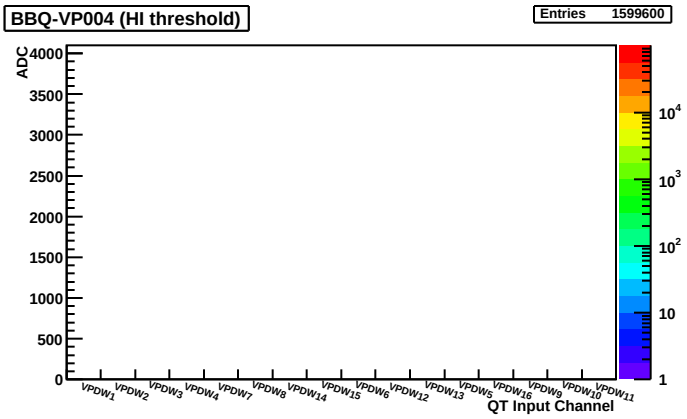

BBQ-VP001 (LO threshold)
Entries 1599600
TAC
QT Input Channel

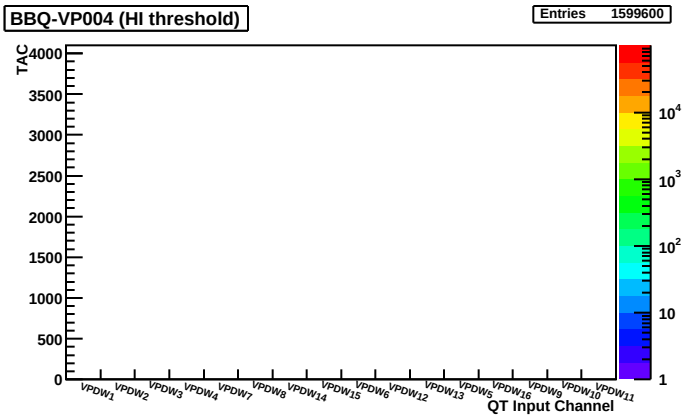

BBQ-VP002 (LO threshold)
Entries 1599600
ADC
QT Input Channel

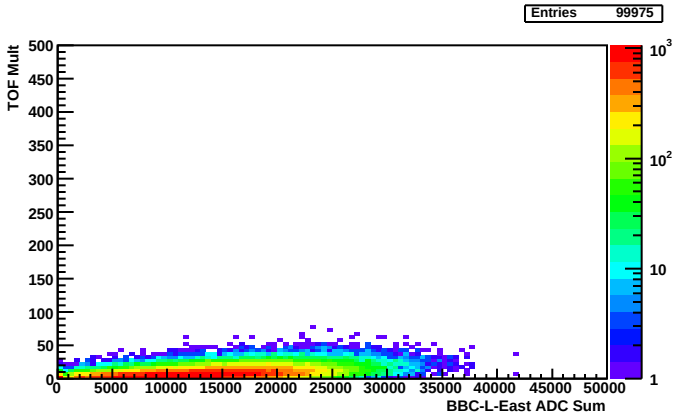

BBQ-VP002 (LO threshold)
Entries 1599600
TAC
QT Input Channel

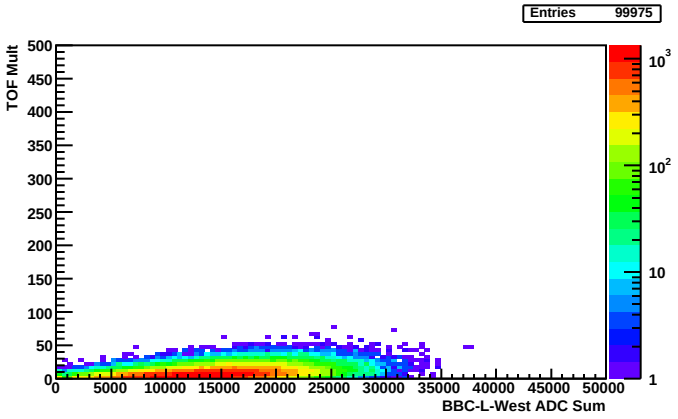

BBQ-VP003 (HI threshold)
Entries 1599600
ADC
QT Input Channel

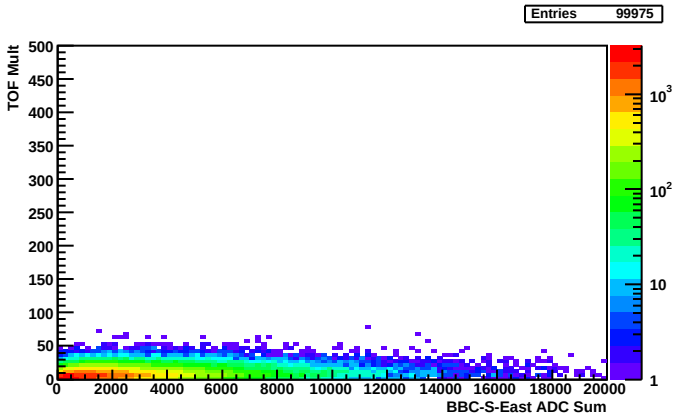

BBQ-VP003 (HI threshold)
Entries 1599600
TAC
QT Input Channel

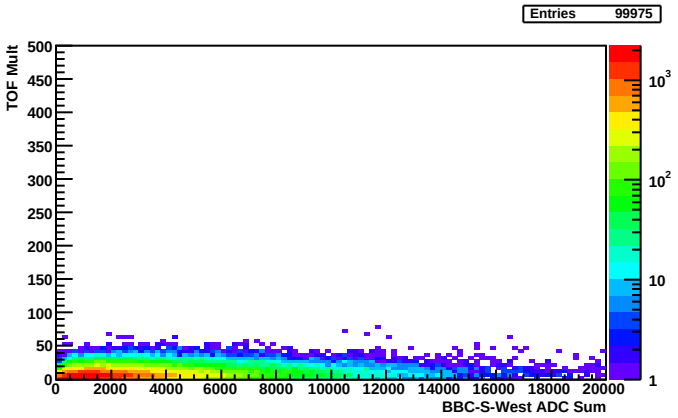

BBQ-VP004 (HI threshold)
Entries 1599600
ADC
QT Input Channel

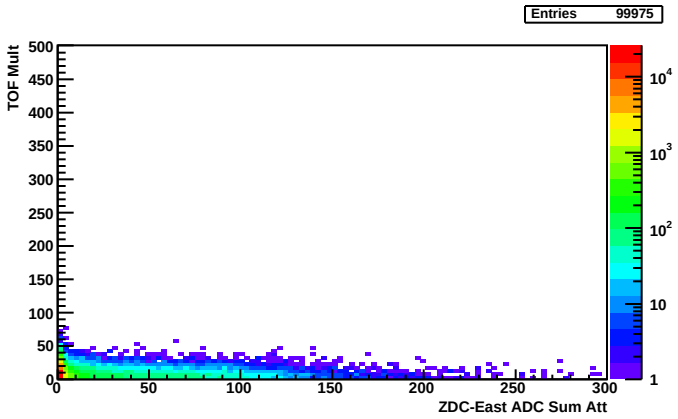

BBQ-VP004 (HI threshold)
Entries 1599600
TAC
QT Input Channel

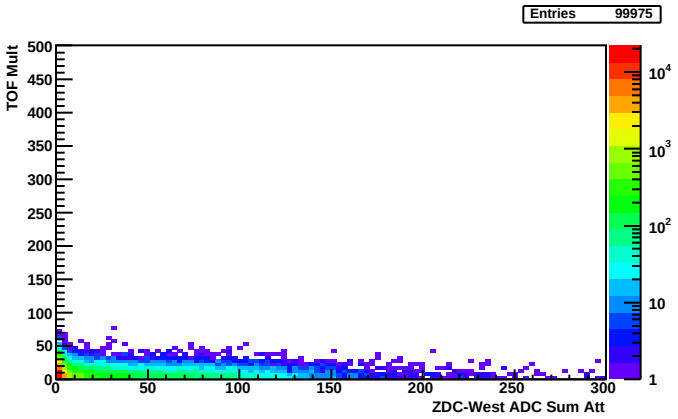

Entries 99975
TOF Mult
BBC-L-East ADC Sum

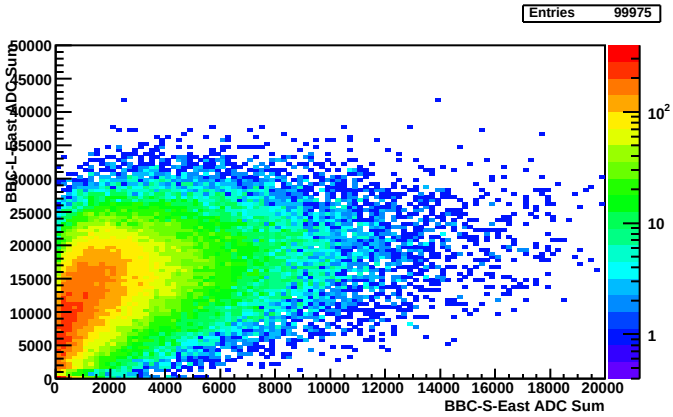

Entries 99975
TOF Mult
BBC-L-West ADC Sum

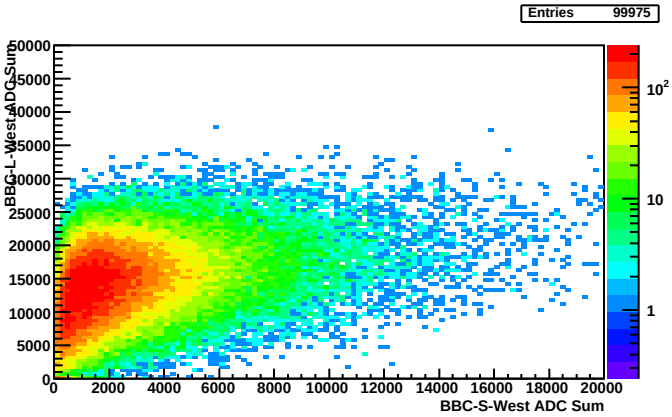

Entries 99975
TOF Mult
BBC-S-East ADC Sum

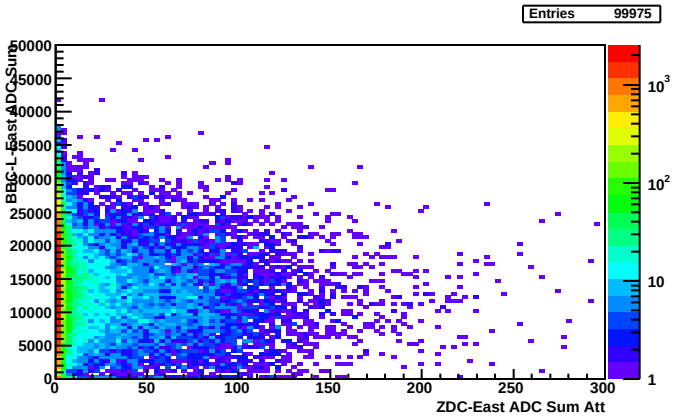

Entries 99975
TOF Mult
BBC-S-West ADC Sum

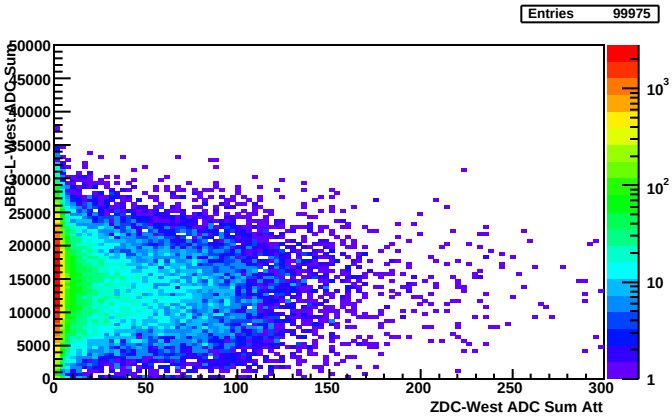

Entries 99975
TOF Mult
ZDC-East ADC Sum Att

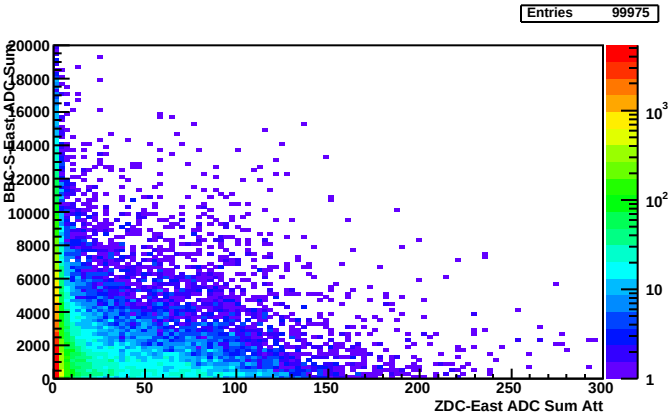

Entries 99975
TOF Mult
ZDC-West ADC Sum Att

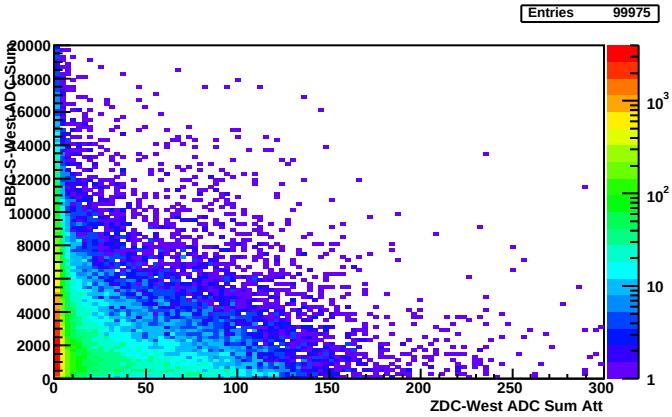

Entries 99975
BBC-L-East ADC Sum
BBC-S-East ADC Sum

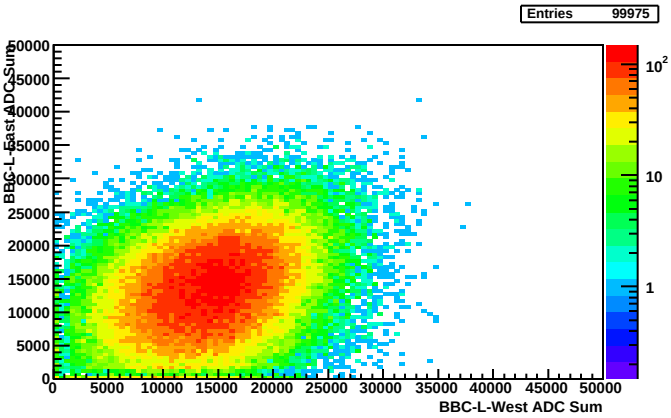

Entries 99975
BBC-L-West ADC Sum
BBC-S-West ADC Sum

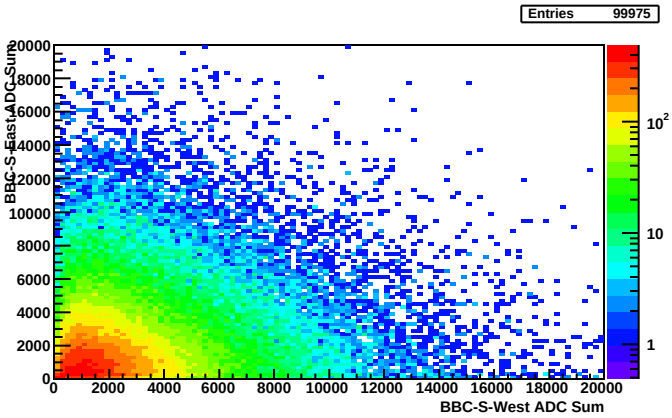

Entries 99975
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

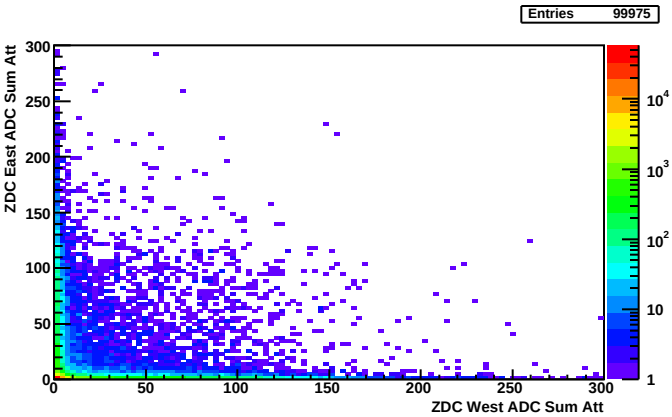

Entries 99975
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

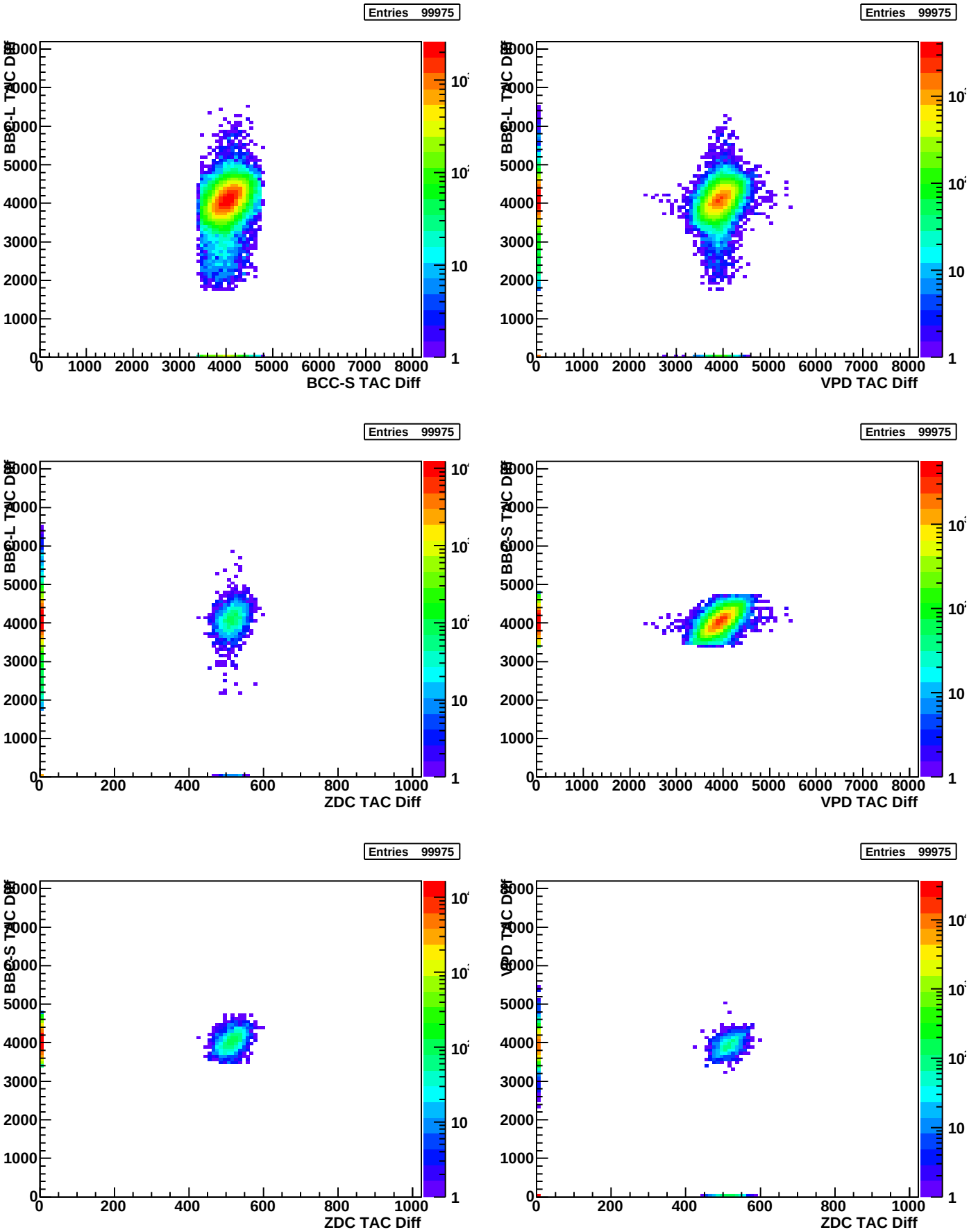

Entries 99975
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

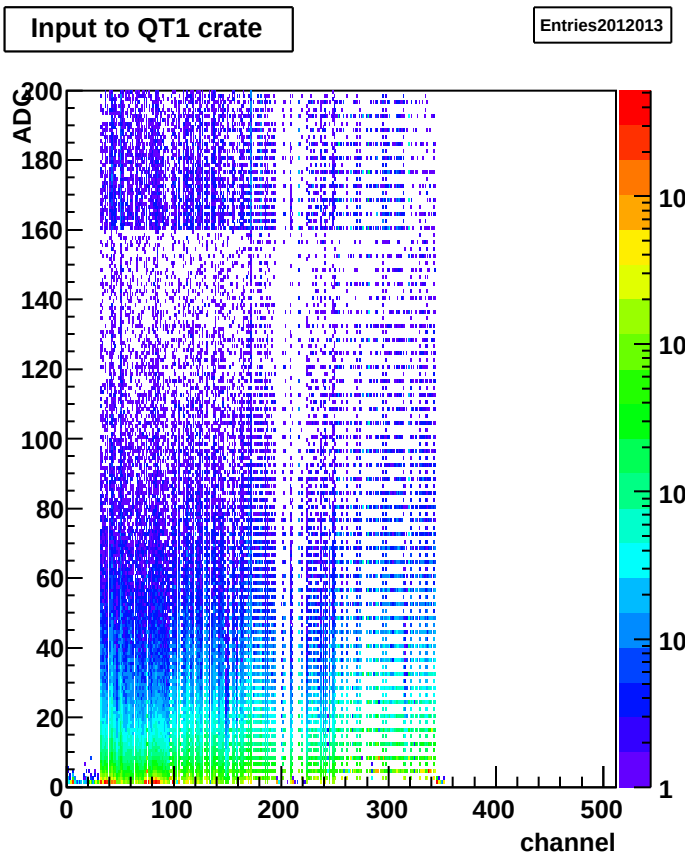

Entries 99975
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

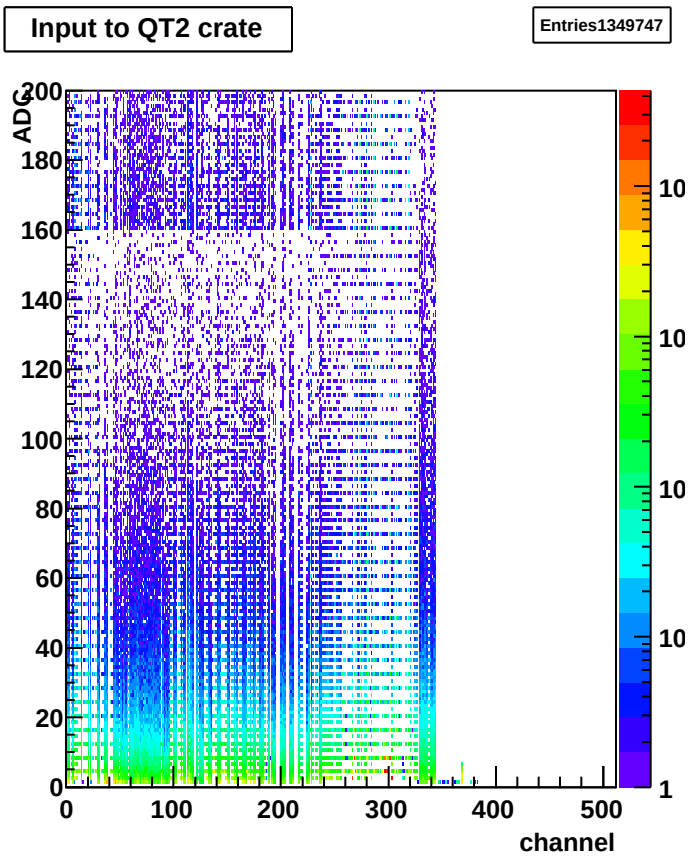

Entries 99975
BBC-L-East ADC Sum
BBC-L-West ADC Sum

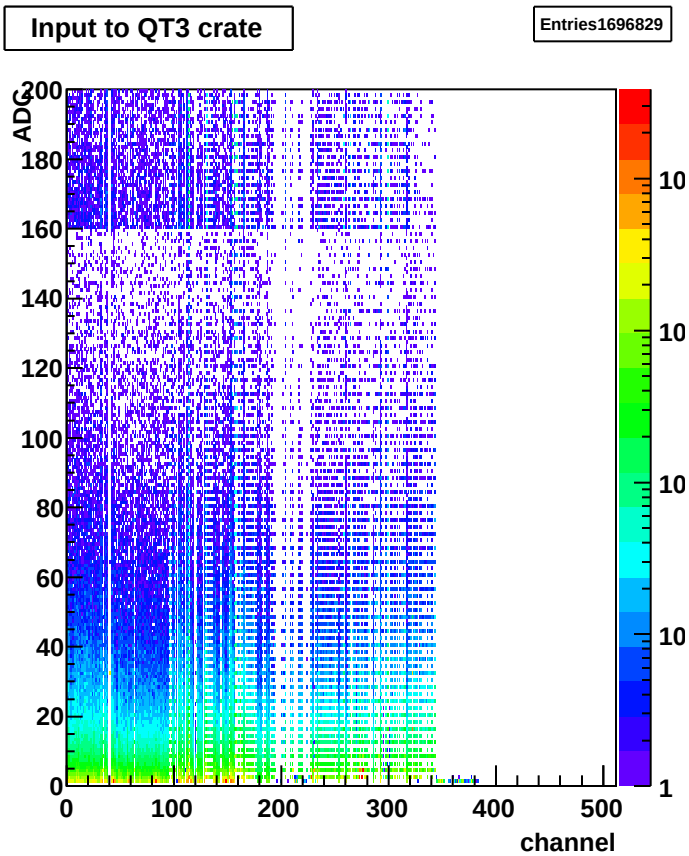

Entries 99975
BBC-S-East ADC Sum
BBC-S-West ADC Sum

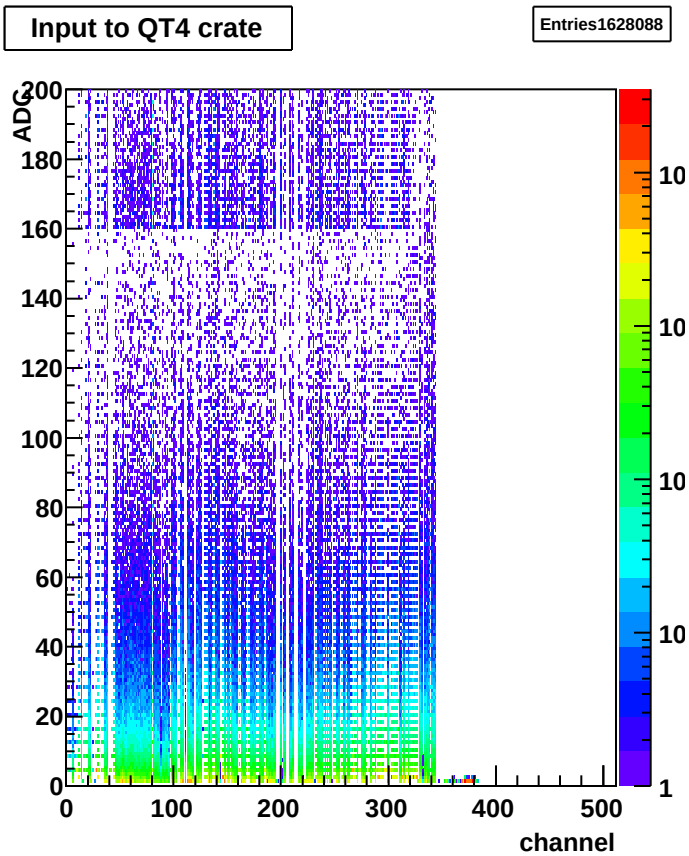

Entries 99975
ZDC East ADC Sum Att
ZDC West ADC Sum Att

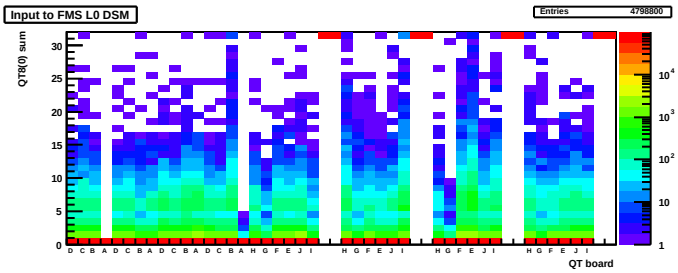

Entries 99975
BBC-L TAC Diff
BCC-S TAC Diff
Entries 99975
BBC-L TAC Diff
VPD TAC Diff
Entries 99975
BBC-L TAC Diff
ZDC TAC Diff
Entries 99975
BBC-S TAC Diff
VPD TAC Diff
Entries 99975
BBC-S TAC Diff
ZDC TAC Diff
Entries 99975
VPD TAC Diff
ZDC TAC Diff

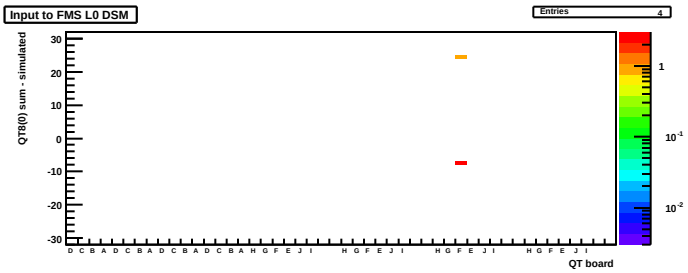

Input to QT1 crate
Entries2012013
ADC
channel

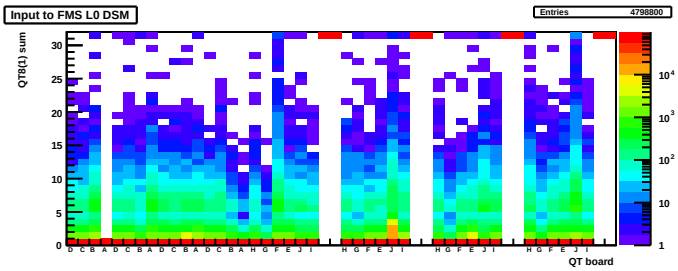

Input to QT2 crate
Entries1349747
ADC
channel

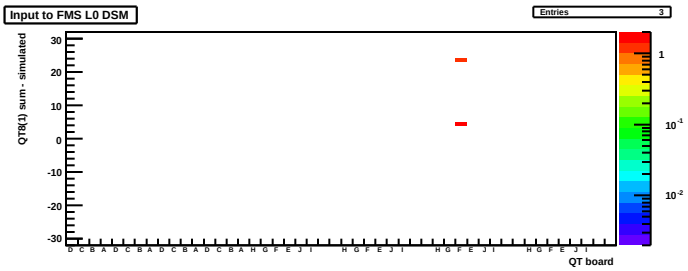

Input to QT3 crate
Entries1696829
ADC
channel

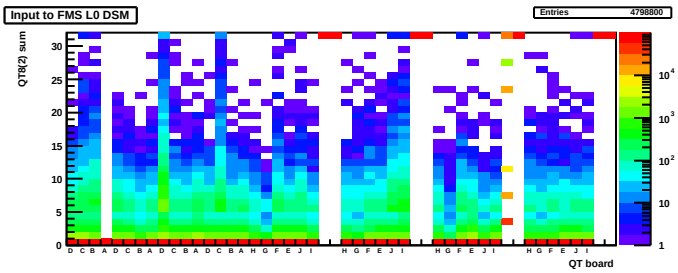

Input to QT4 crate
Entries1628088
ADC
channel

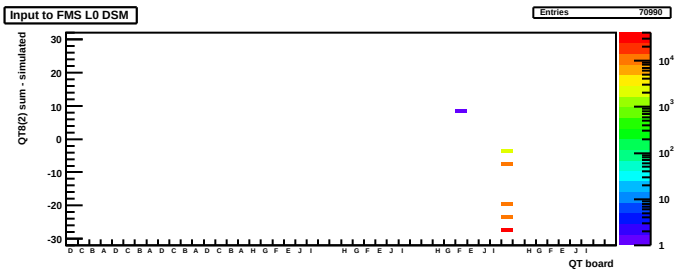

Input to FMS L0 DSM
Entries 4798800
QT8(0) sum
QT board

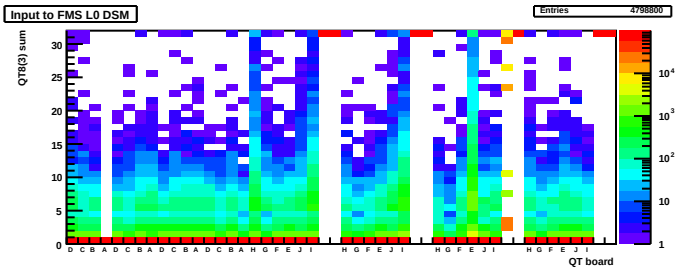

Input to FMS L0 DSM
Entries 4
QT8(0) sum - simulated
QT board

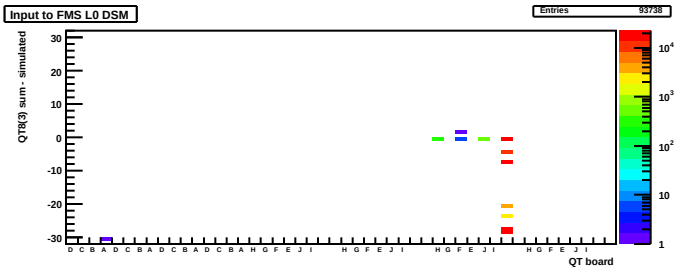

Input to FMS L0 DSM
Entries 4798800
QT8(1) sum
QT board

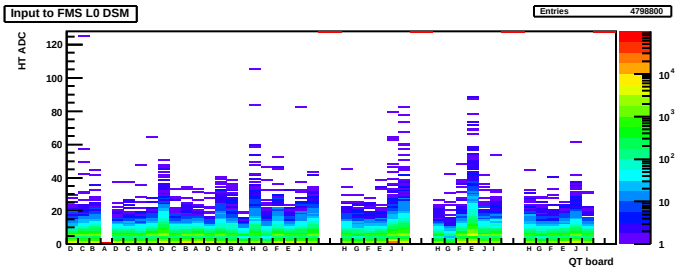

Input to FMS L0 DSM
Entries 3
QT8(1) sum - simulated
QT board

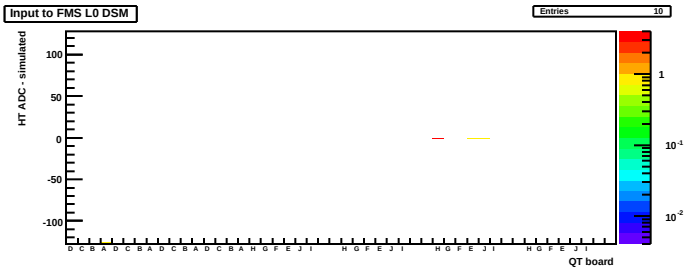

Input to FMS L0 DSM
Entries 4798800
QT8(2) sum
QT board

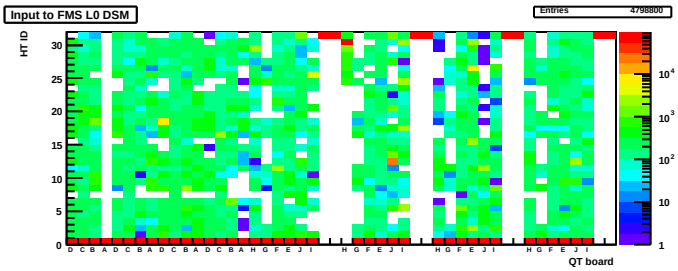

Input to FMS L0 DSM
Entries 70990
QT8(2) sum - simulated
QT board

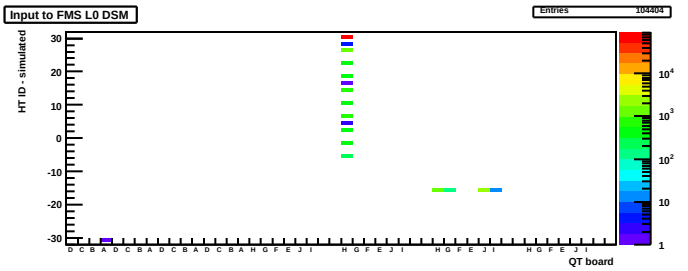

Input to FMS L0 DSM
Entries 4798800
QT8(3) sum
QT board

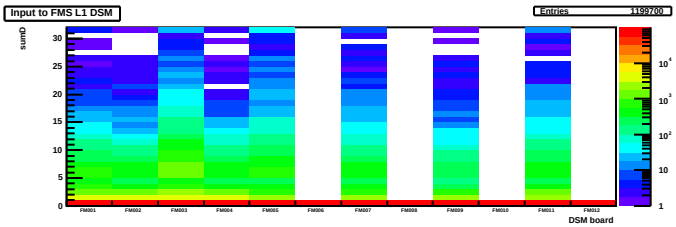

Input to FMS L0 DSM
Entries 93738
QT8(3) sum - simulated
QT board

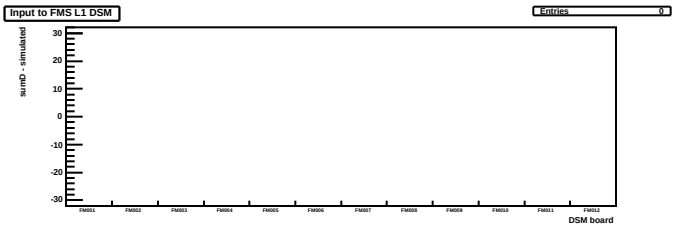

Input to FMS L0 DSM
Entries 4798800
HT ADC
QT board

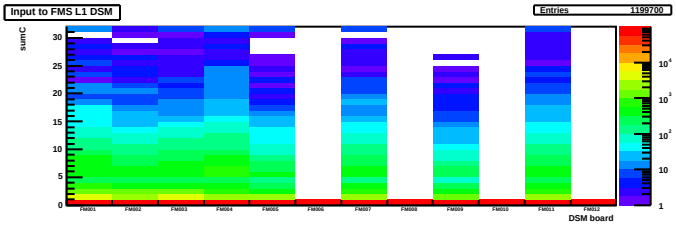

Input to FMS L0 DSM
Entries 10
HT ADC - simulated
QT board

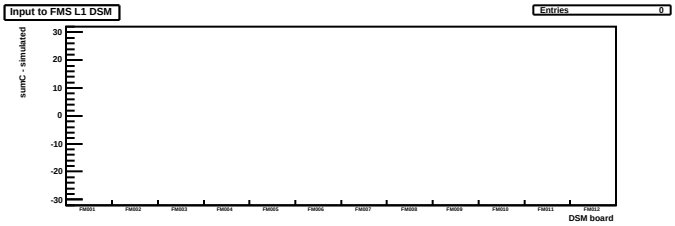

Input to FMS L0 DSM
Entries 4798800
HT ID
QT board

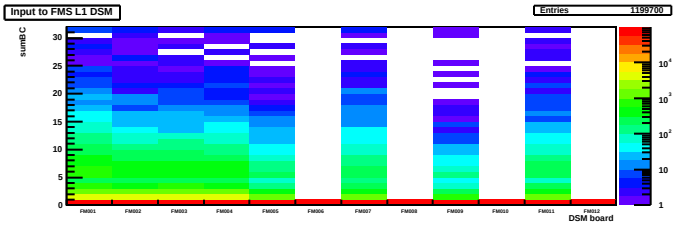

Input to FMS L0 DSM
Entries 104404
HT ID - simulated
QT board

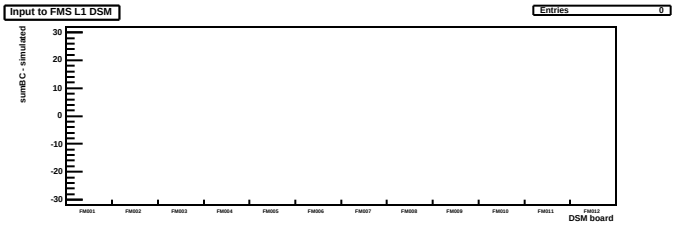

Input to FMS L1 DSM
Entries 1199700
sumD
DSM board

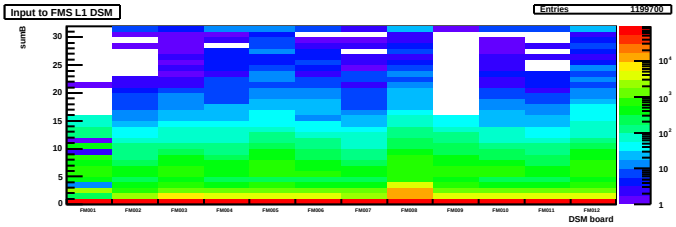

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

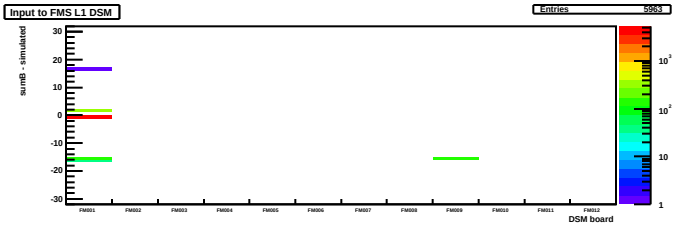

Input to FMS L1 DSM
Entries 1199700
sumC
DSM board

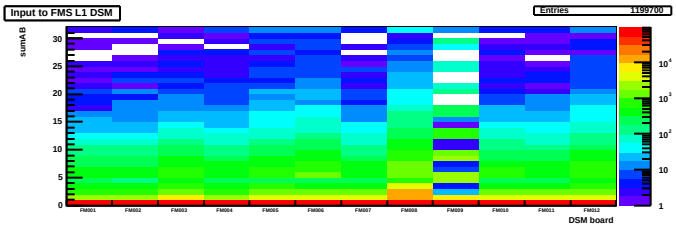

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

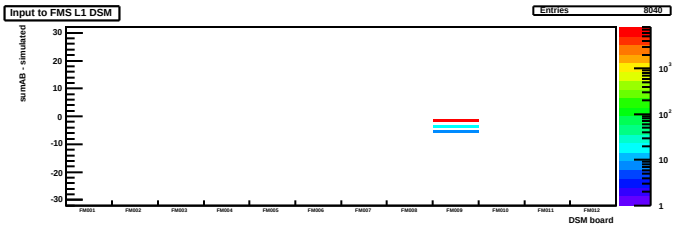

Input to FMS L1 DSM
Entries 1199700
sumBC
DSM board

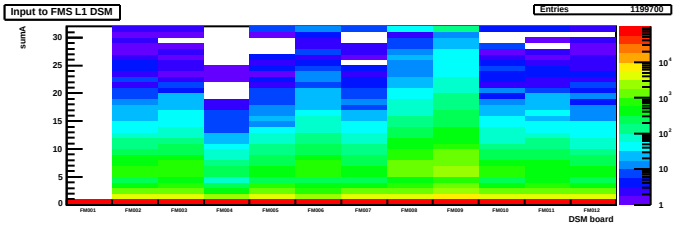

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

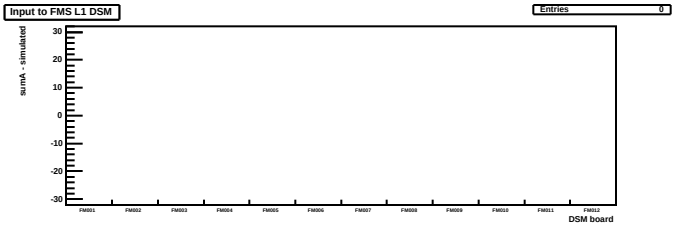

Input to FMS L1 DSM
Entries 1199700
sumB
DSM board

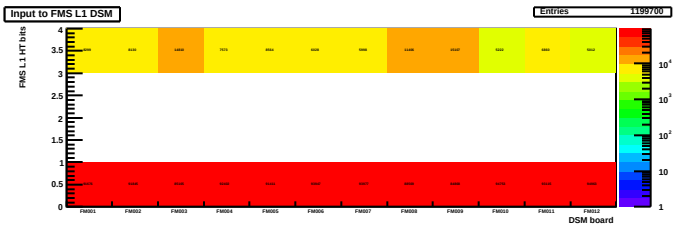

Input to FMS L1 DSM
Entries 5963
sumB - simulated
DSM board

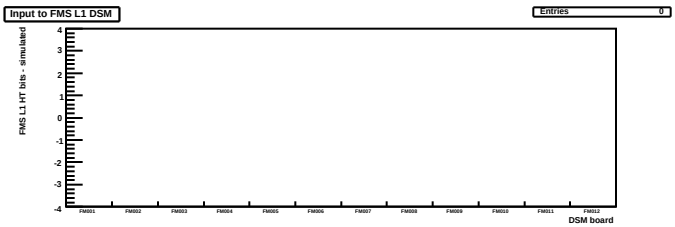

Input to FMS L1 DSM
Entries 1199700
sumAB
DSM board

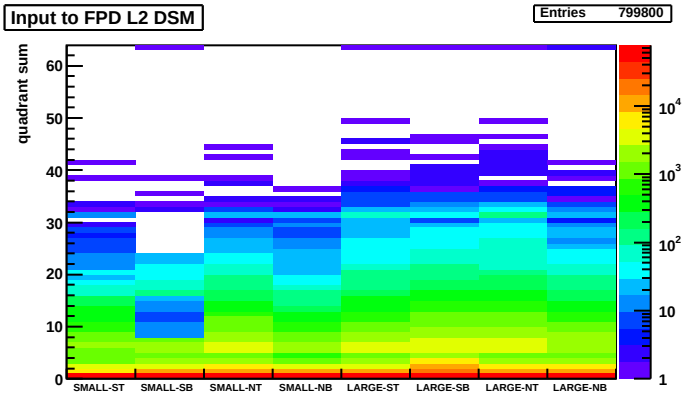

Input to FMS L1 DSM
Entries 8040
sumAB - simulated
DSM board

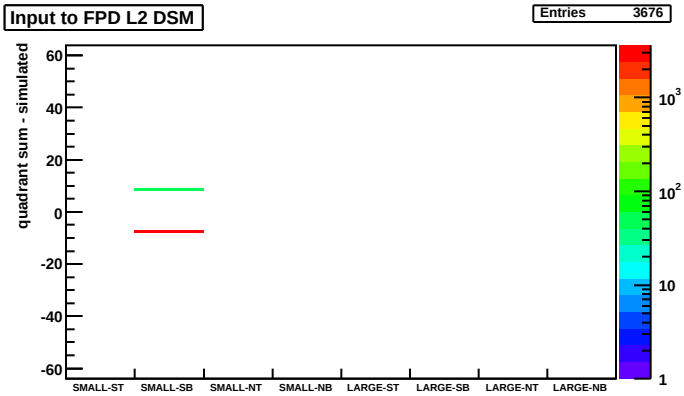

Input to FMS L1 DSM
Entries 1199700
sumA
DSM board

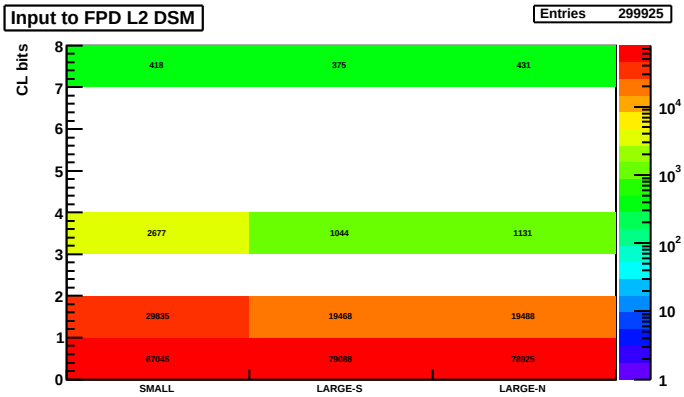

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

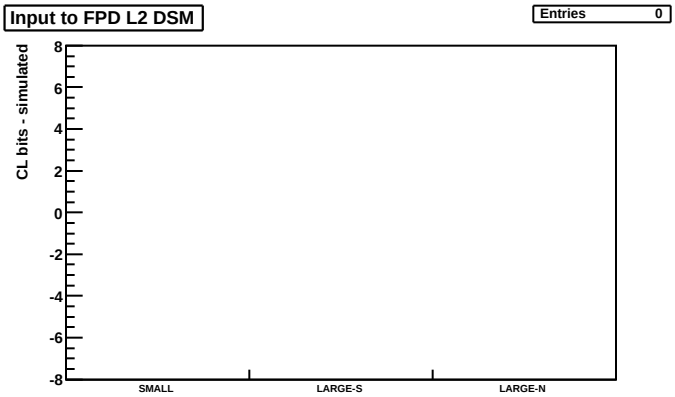

Input to FMS L1 DSM
Entries 1199700
FMS L1 HT bits
DSM board

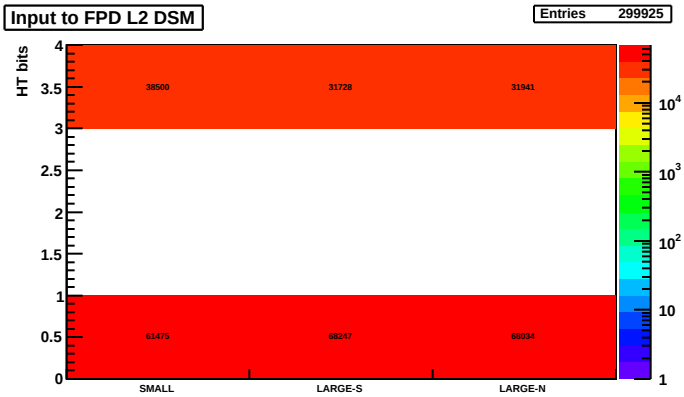

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

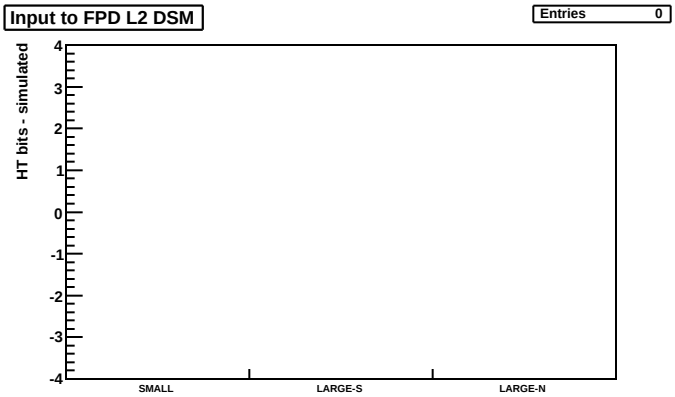

Input to FPD L2 DSM
Entries 799800
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

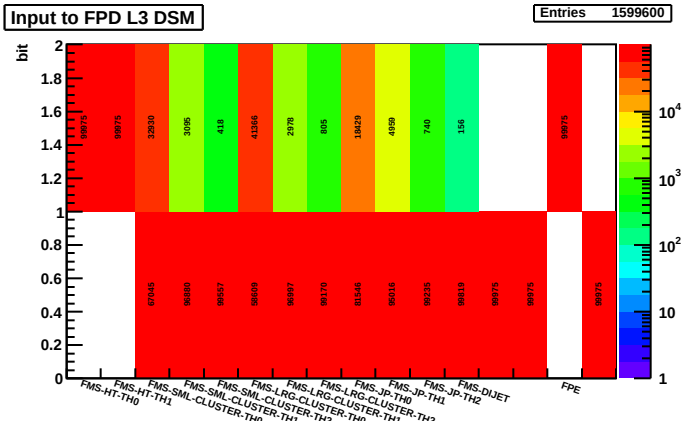

Input to FPD L2 DSM
Entries 3676
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

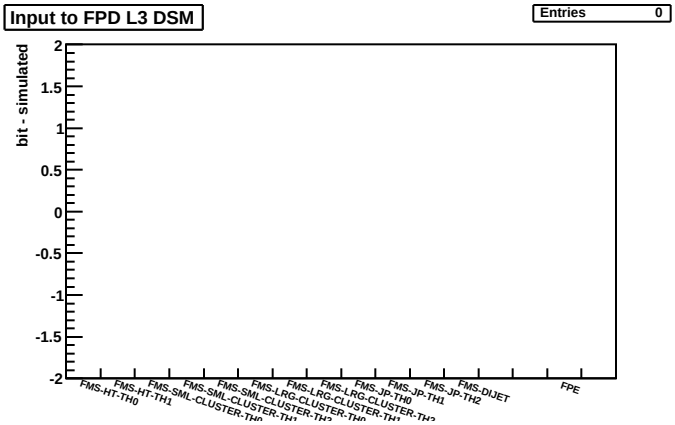

Input to FPD L2 DSM
Entries 299925
CL bits
418
375
431
2677
1044
1131
29835
19468
19488
67045
79088
78925
SMALL
LARGE-S
LARGE-N

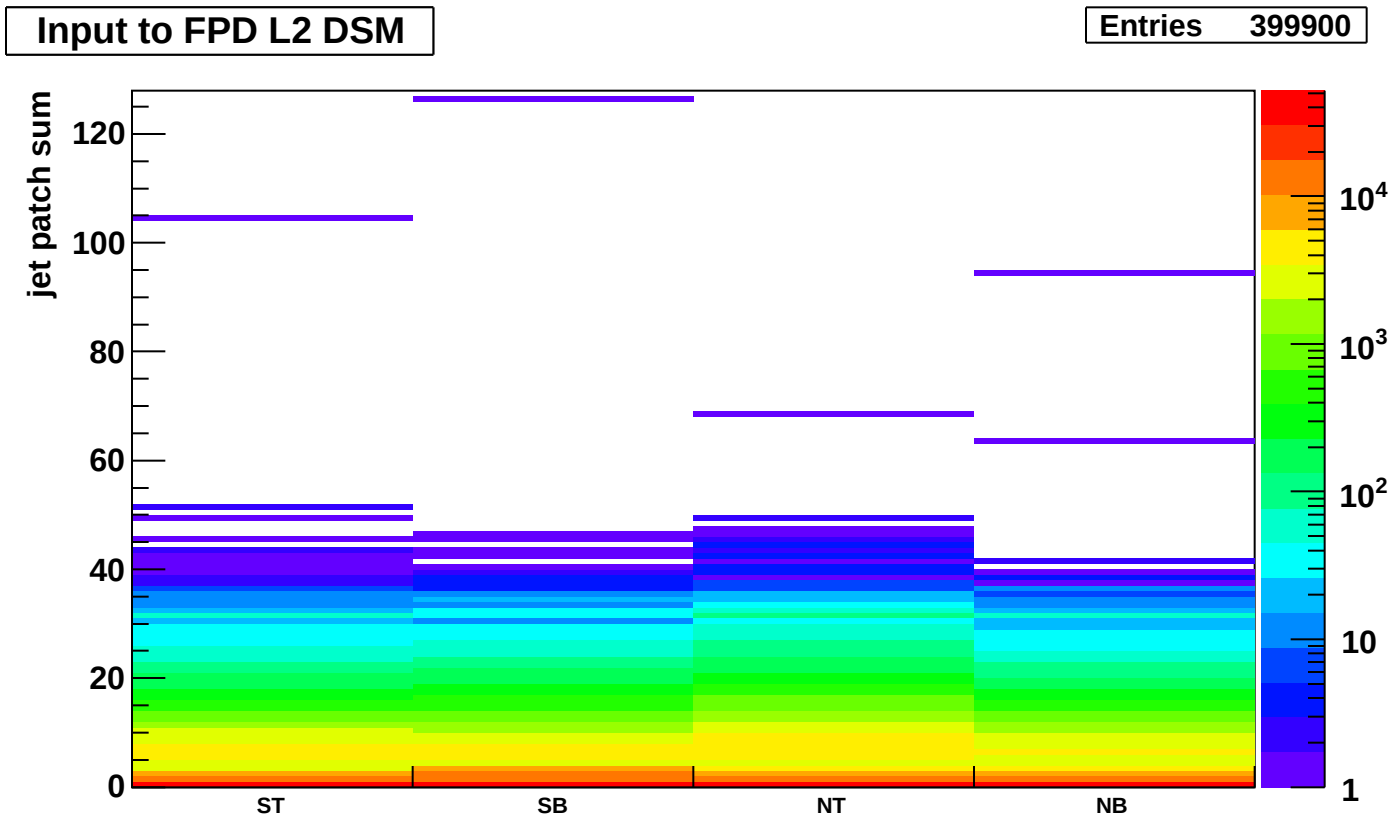

Input to FPD L2 DSM
Entries 0
CL bits - simulated
SMALL
LARGE-S
LARGE-N

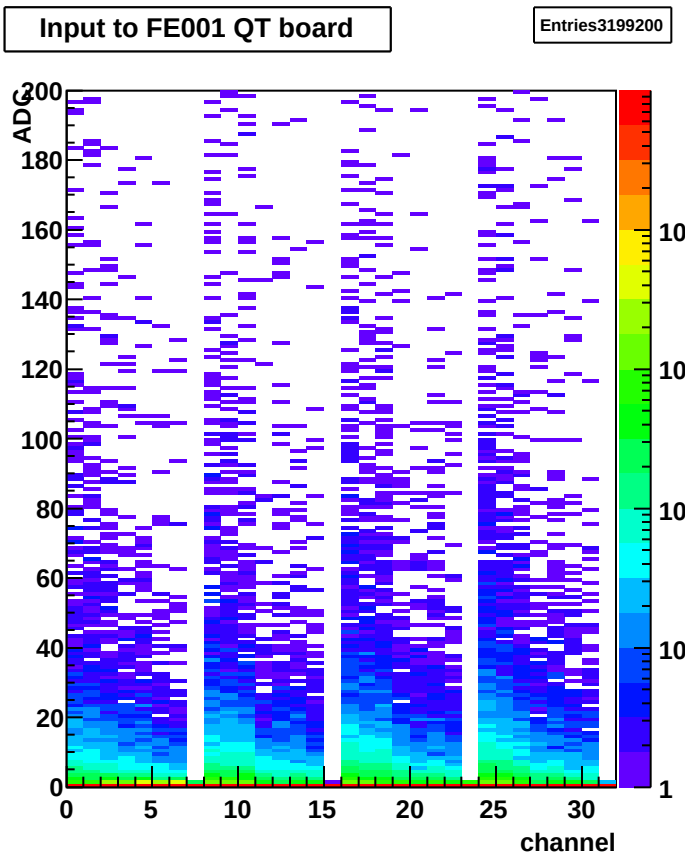

Input to FPD L2 DSM
Entries 299925
HT bits
38500
31728
31941
61475
68247
68034
SMALL
LARGE-S
LARGE-N

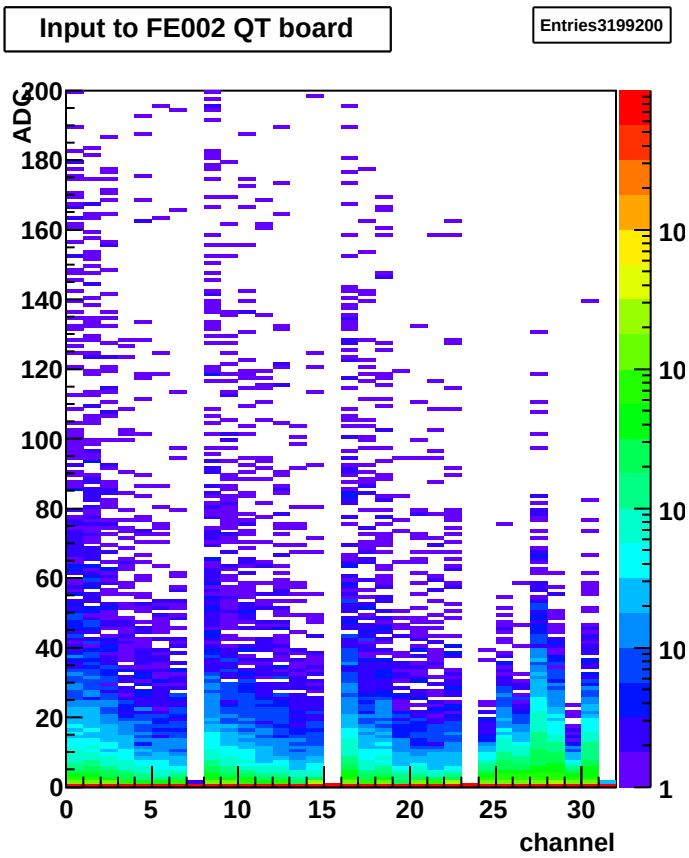

Input to FPD L2 DSM
Entries 0
HT bits - simulated
SMALL
LARGE-S
LARGE-N

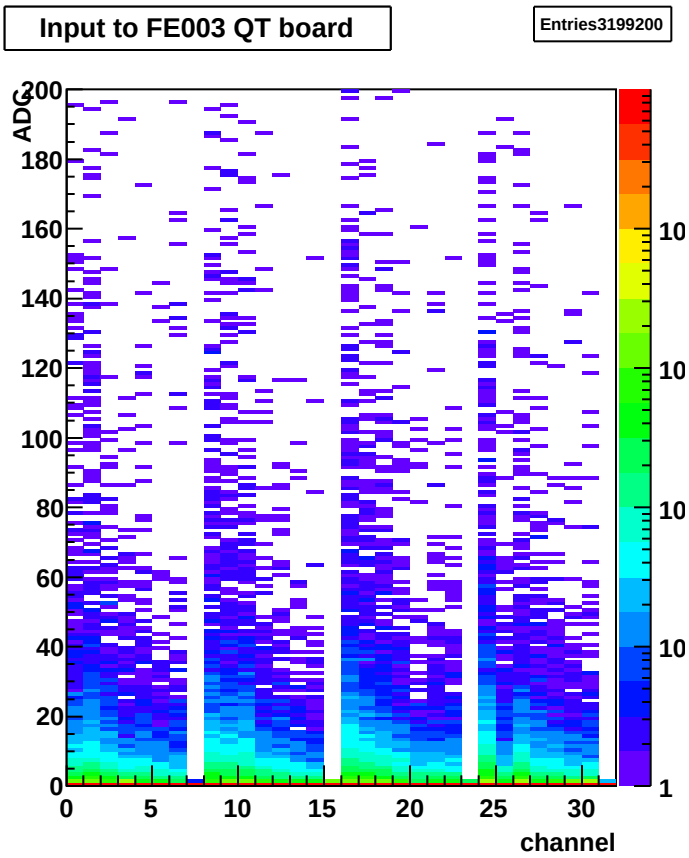

Input to FPD L3 DSM
Entries 1599600
bit
99975
99975
32930
3095
418
41366
2978
805
18429
4090
740
156
99975
67045
96880
99557
98609
96997
99170
81546
95016
99235
98819
99975
99975
99975
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

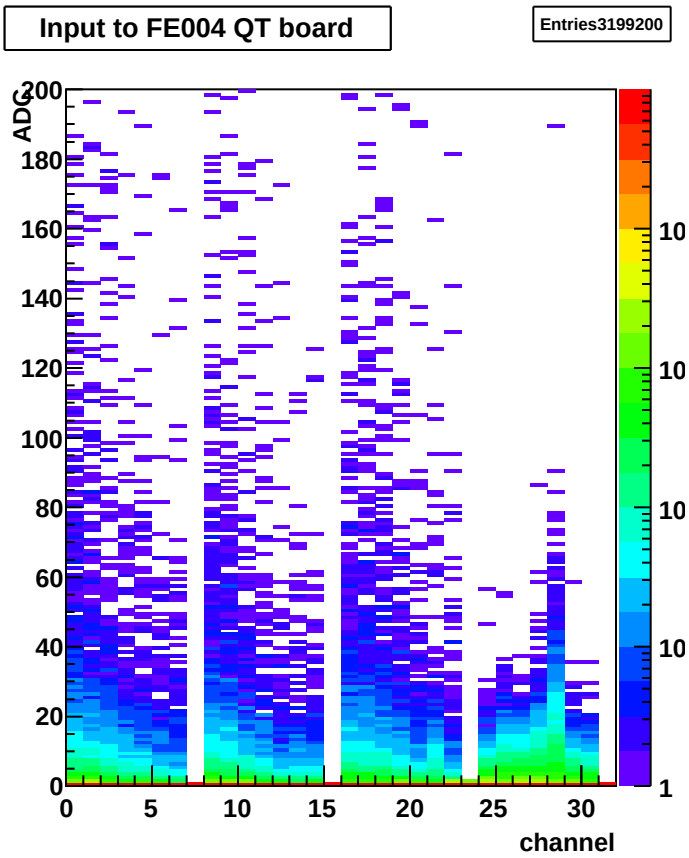

Input to FPD L3 DSM
Entries 0
bit - simulated
FMS-HT-TH0
FMS-HT-TH1
FMS-SML-CLUSTER-TH0
FMS-SML-CLUSTER-TH1
FMS-SML-CLUSTER-TH2
FMS-LRG-CLUSTER-TH0
FMS-LRG-CLUSTER-TH1
FMS-LRG-CLUSTER-TH2
FMS-JP-TH0
FMS-JP-TH1
FMS-JP-TH2
FMS-DIJET
FPE

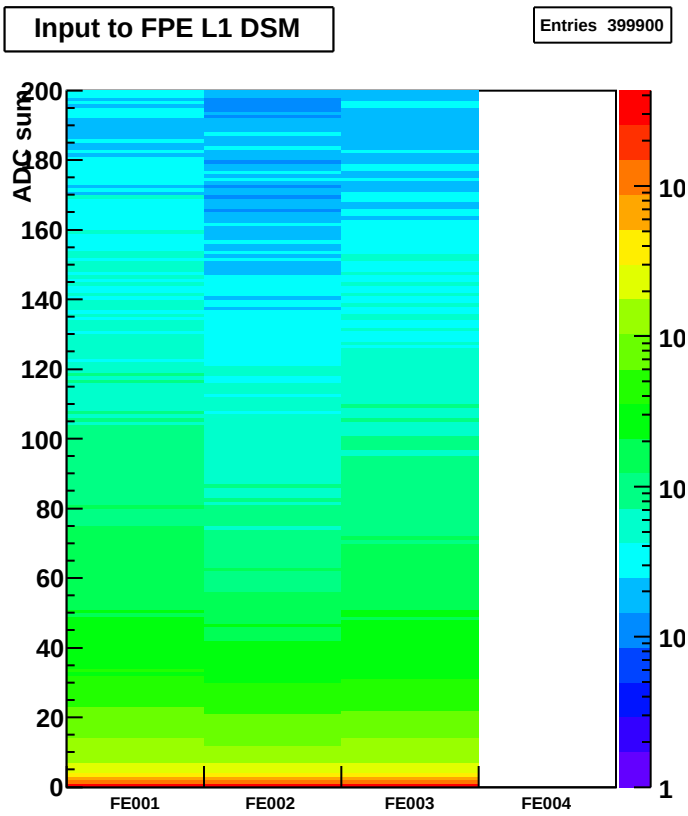

Input to FPD L2 DSM
Entries 399900
jet patch sum
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

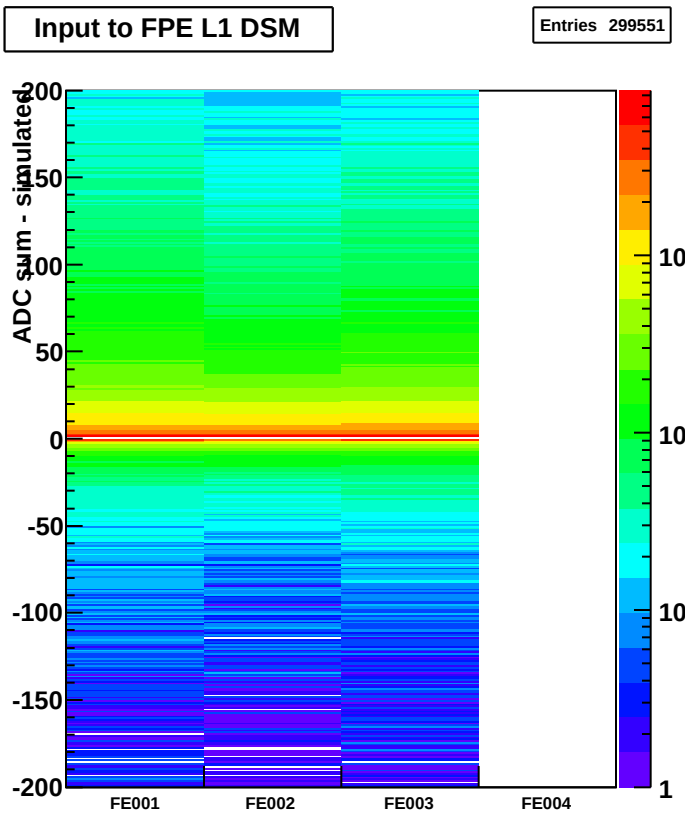

Input to FE001 QT board
Entries3199200
ADC
channel

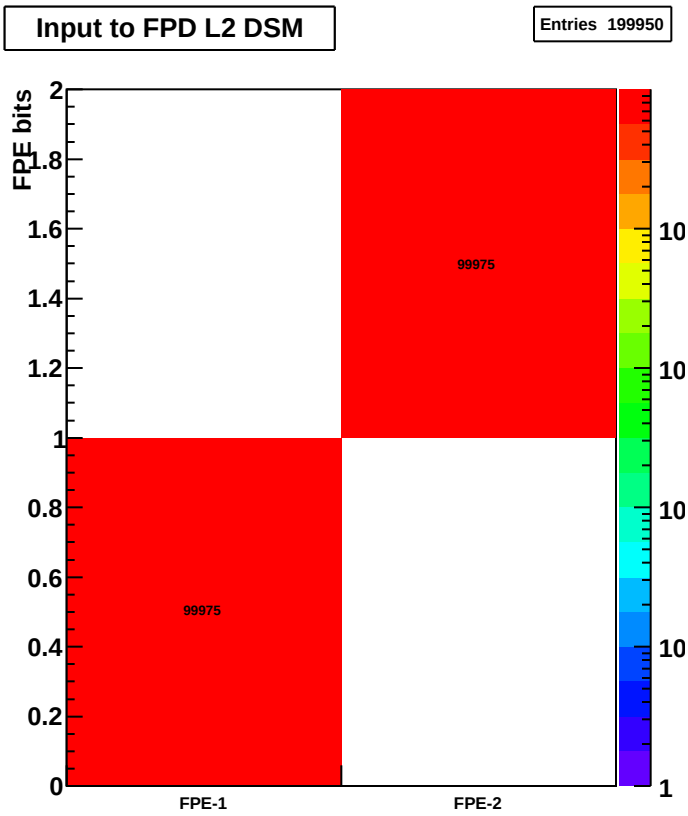

Input to FE002 QT board
Entries3199200
ADC
channel

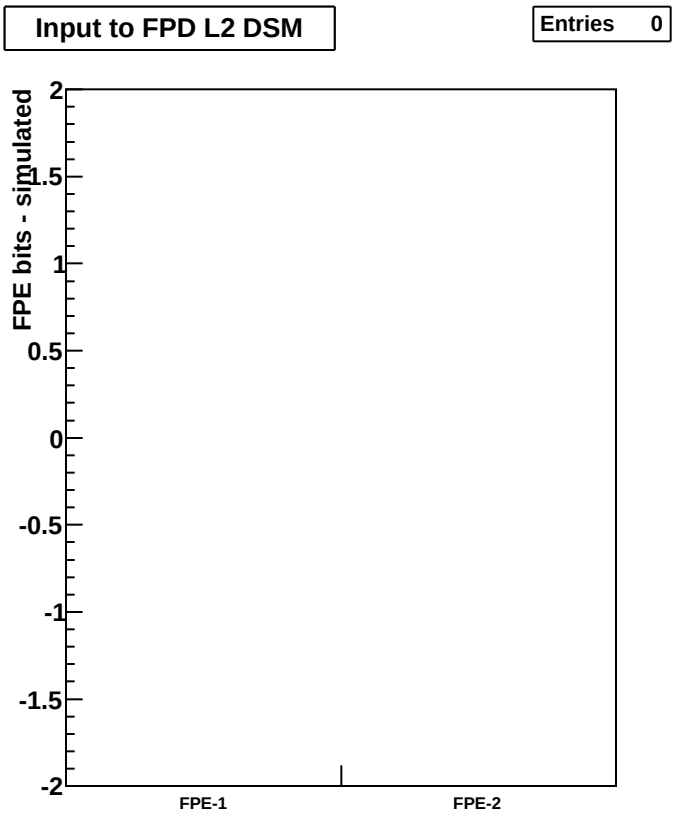

Input to FE003 QT board
Entries3199200
ADC
channel


Input to FE004 QT board
Entries3199200
ADC
channel


Input to FPE L1 DSM
Entries 399900
ADC sum
FE001
FE002
FE003
FE004


Input to FPE L1 DSM
Entries 299551
ADC sum - simulated
FE001
FE002
FE003
FE004


Input to FPD L2 DSM
Entries 199950
FPE bits
99975
99975
FPE-1
FPE-2


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