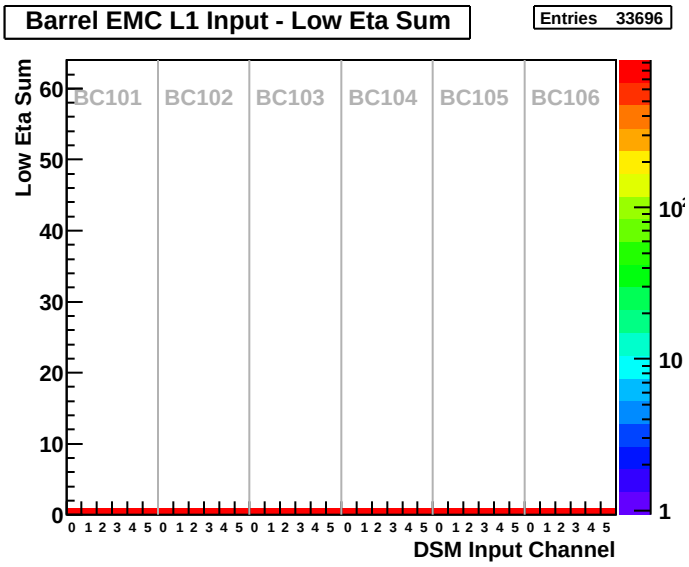
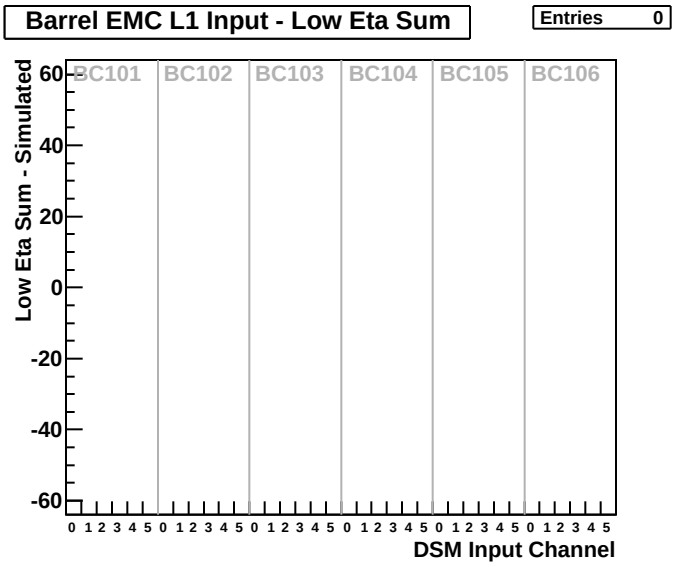
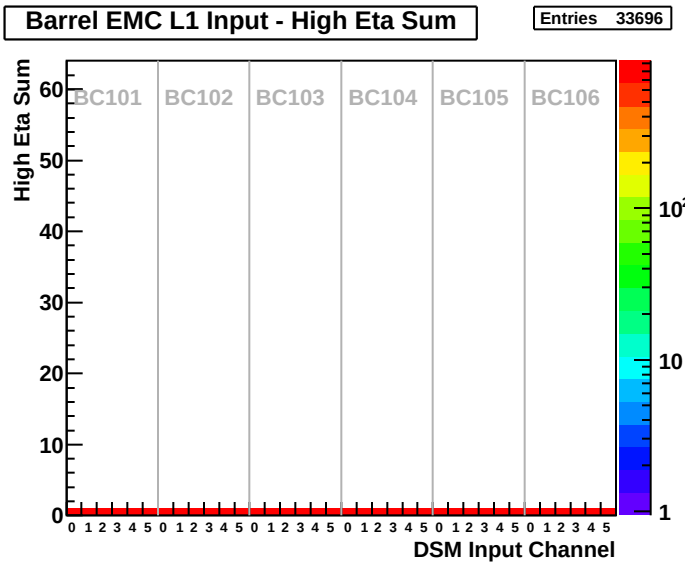
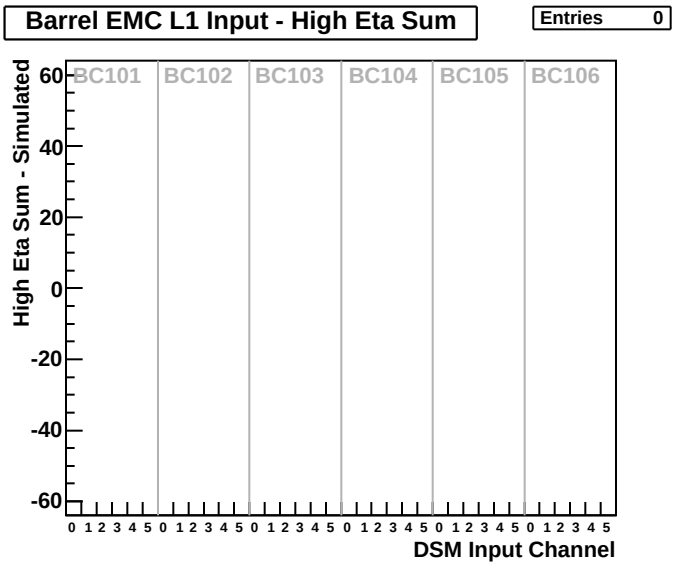
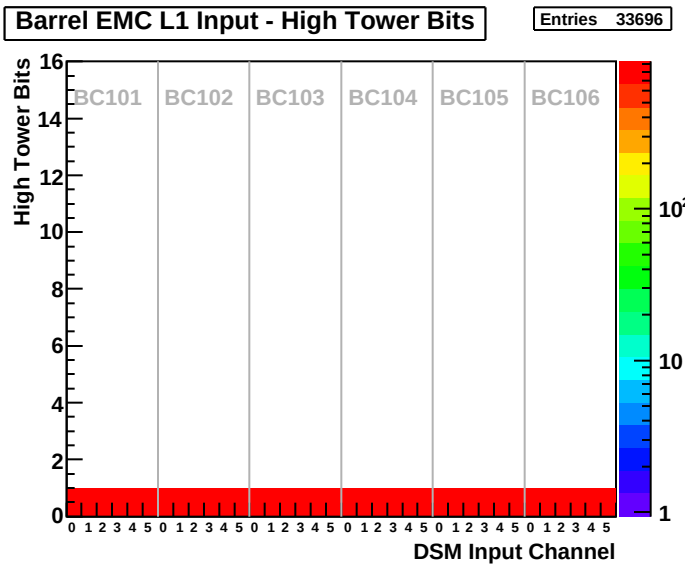
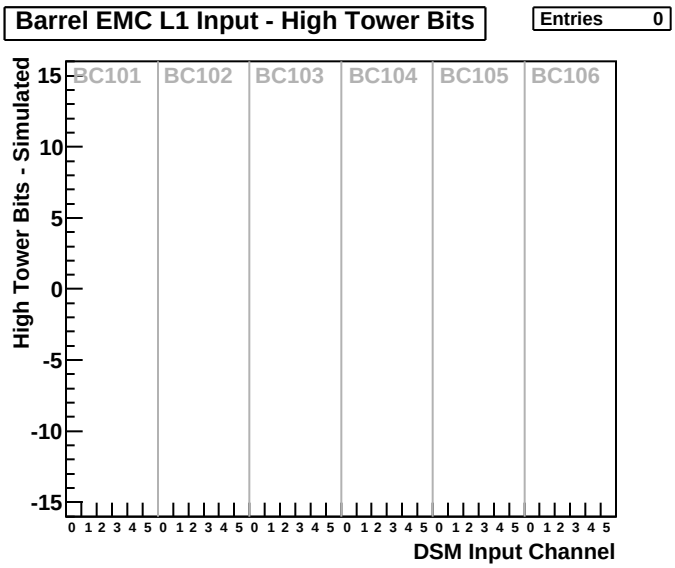

Barrel EMC L1 Input - Low Eta Sum
Entries 33696
Low Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

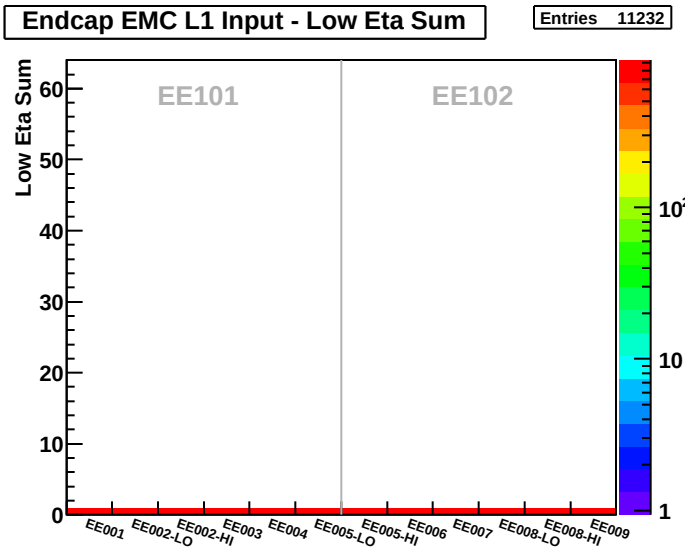

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

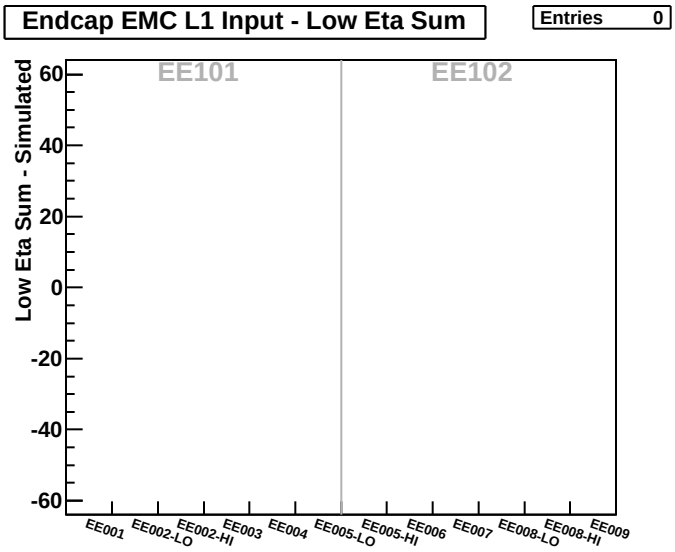

Barrel EMC L1 Input - High Eta Sum
Entries 33696
High Eta Sum
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

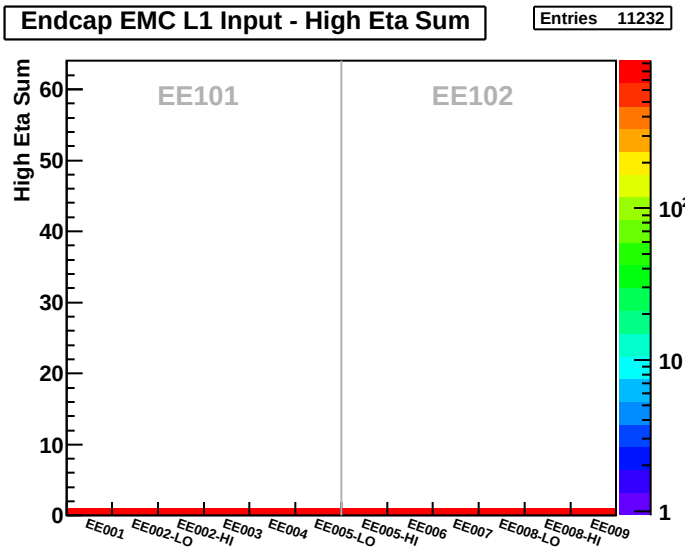

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

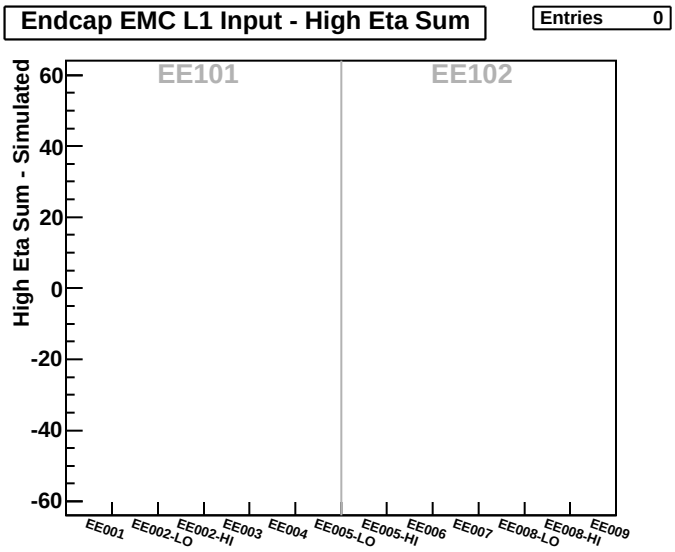

Barrel EMC L1 Input - High Tower Bits
Entries 33696
High Tower Bits
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

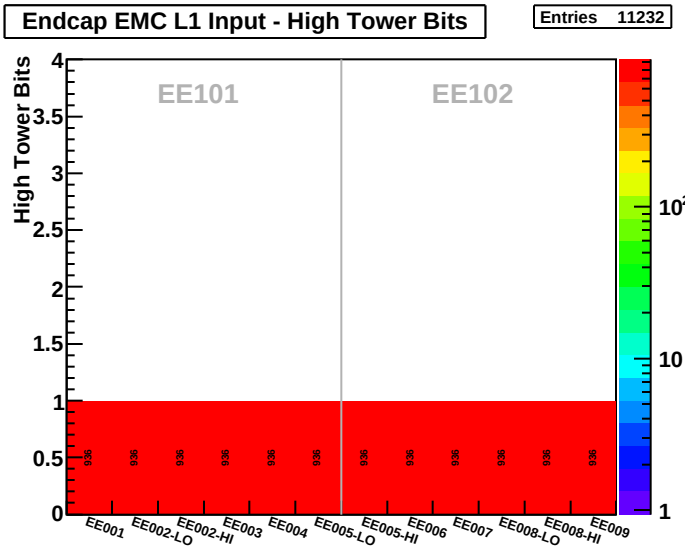

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106
DSM Input Channel

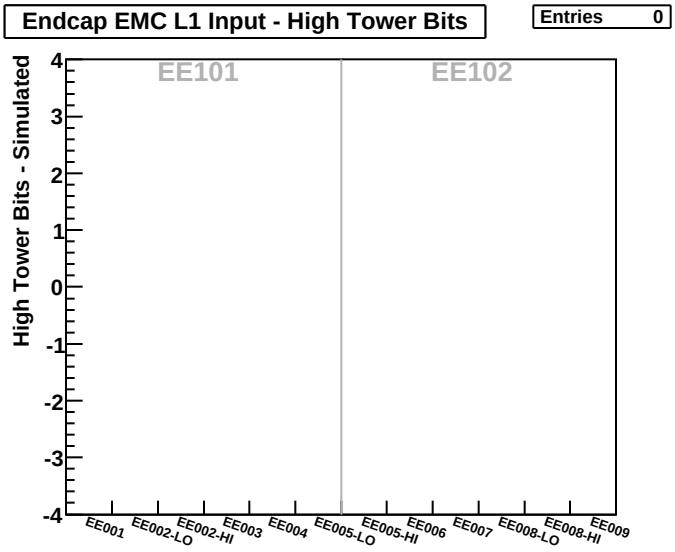

Endcap EMC L1 Input - Low Eta Sum
Entries 11232
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

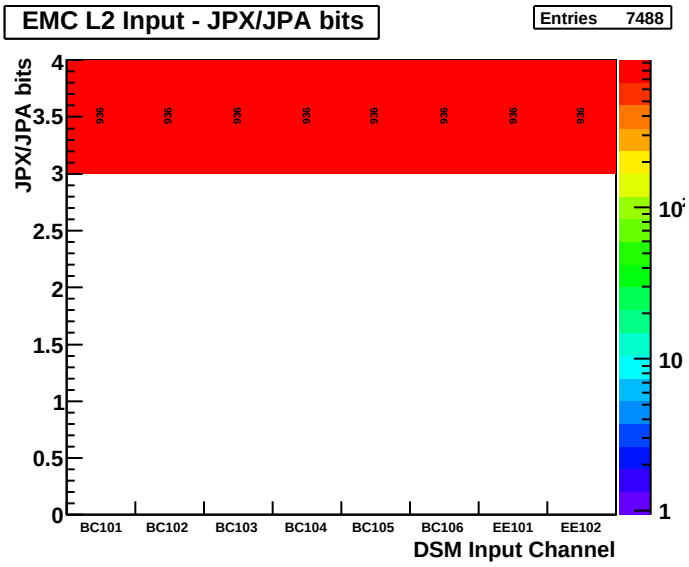

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

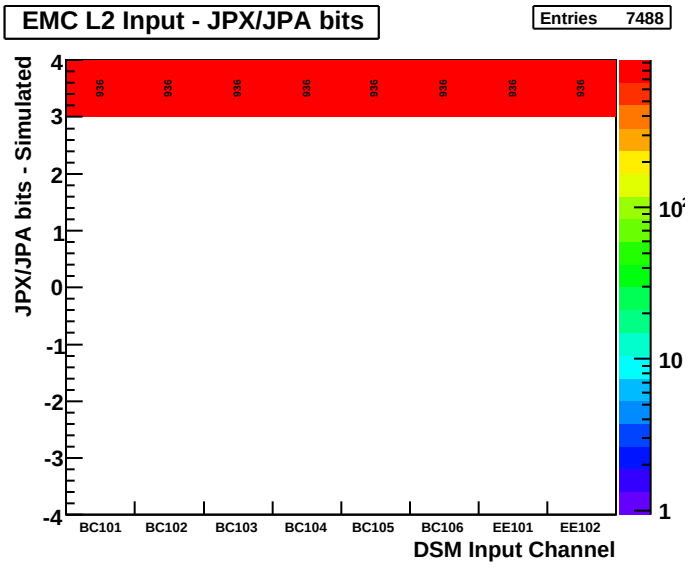

Endcap EMC L1 Input - High Eta Sum
Entries 11232
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

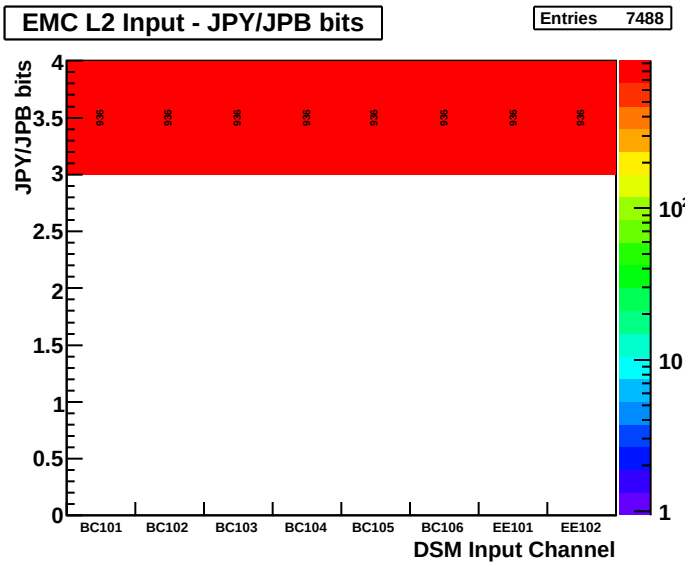

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

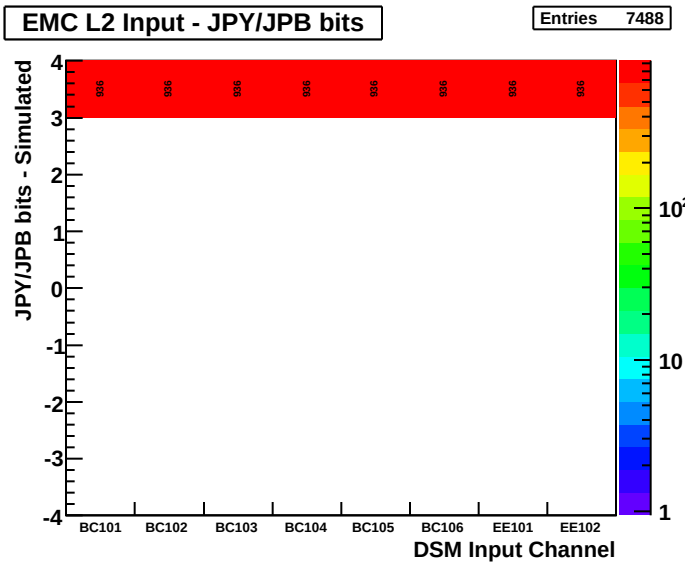

Endcap EMC L1 Input - High Tower Bits
Entries 11232
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

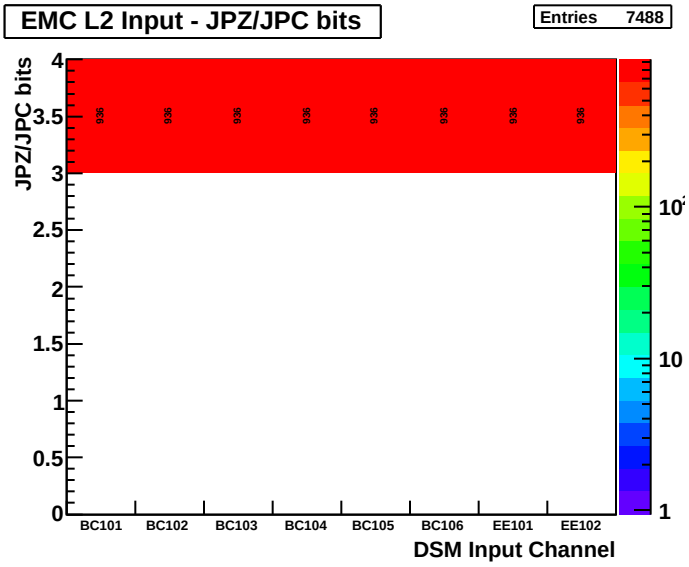

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

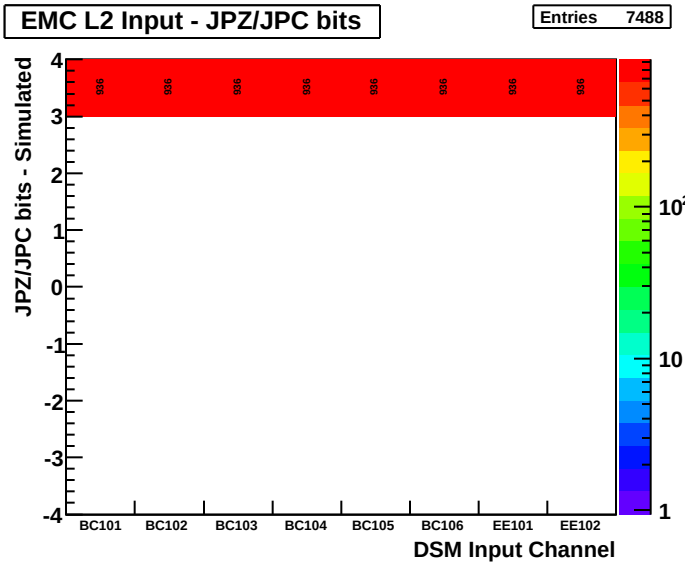

EMC L2 Input - JPX/JPA bits
Entries 7488
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

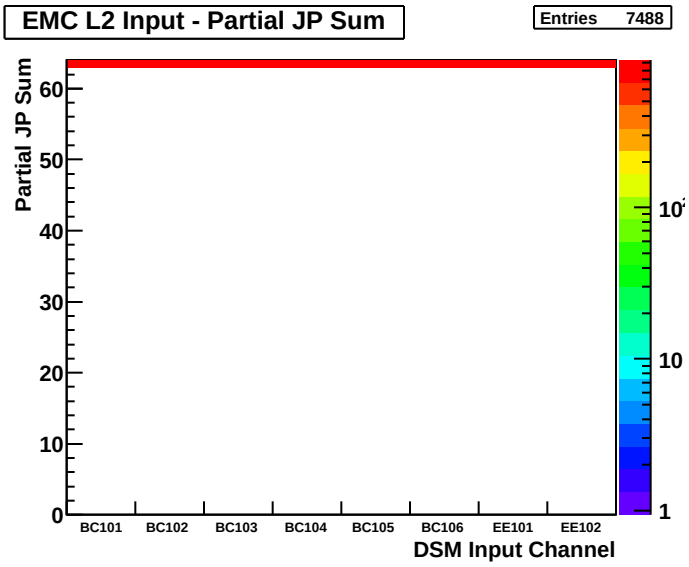

EMC L2 Input - JPX/JPA bits
Entries 7488
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

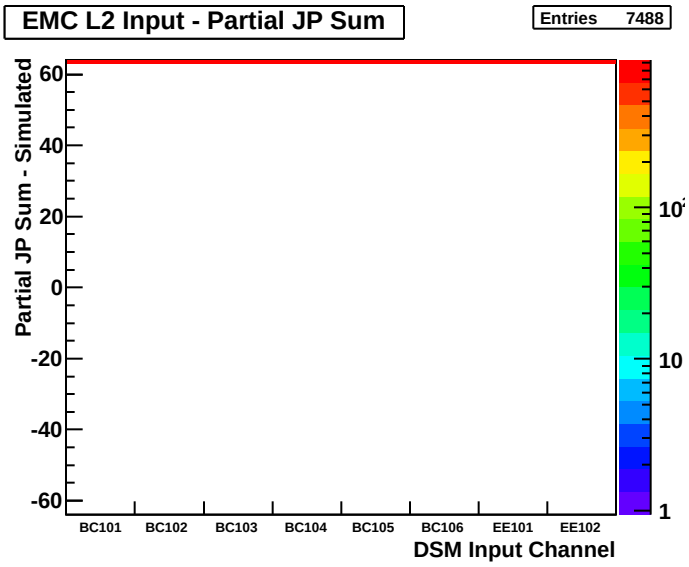

EMC L2 Input - JPY/JPB bits
Entries 7488
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

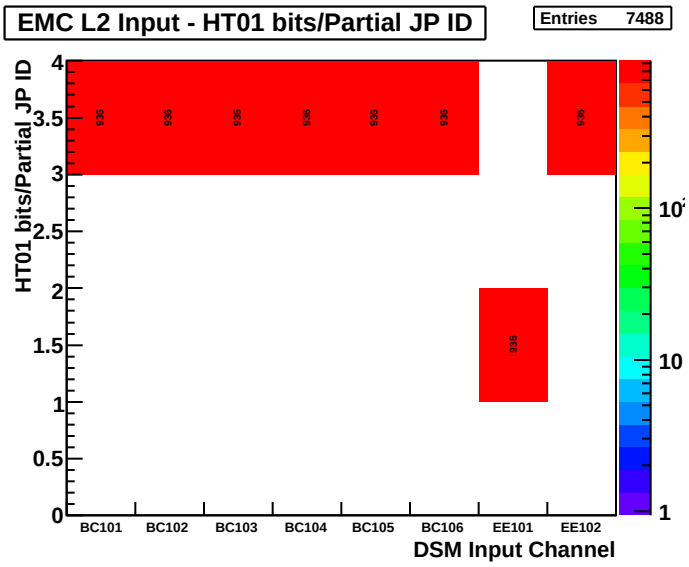

EMC L2 Input - JPY/JPB bits
Entries 7488
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

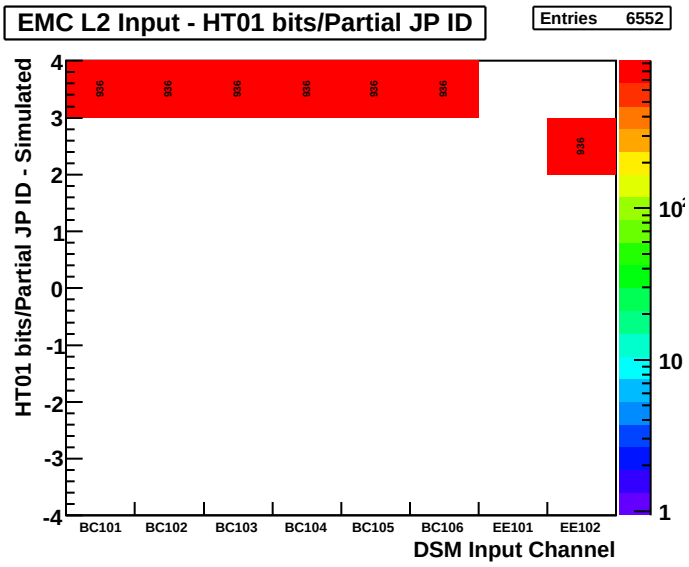

EMC L2 Input - JPZ/JPC bits
Entries 7488
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

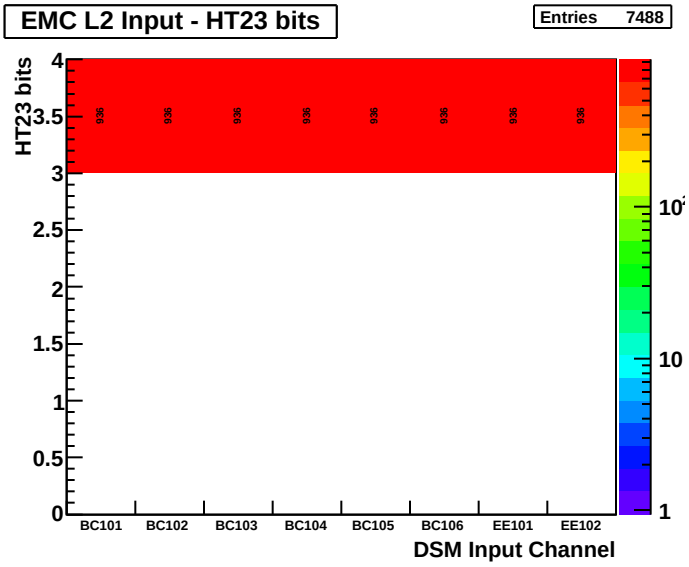

EMC L2 Input - JPZ/JPC bits
Entries 7488
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

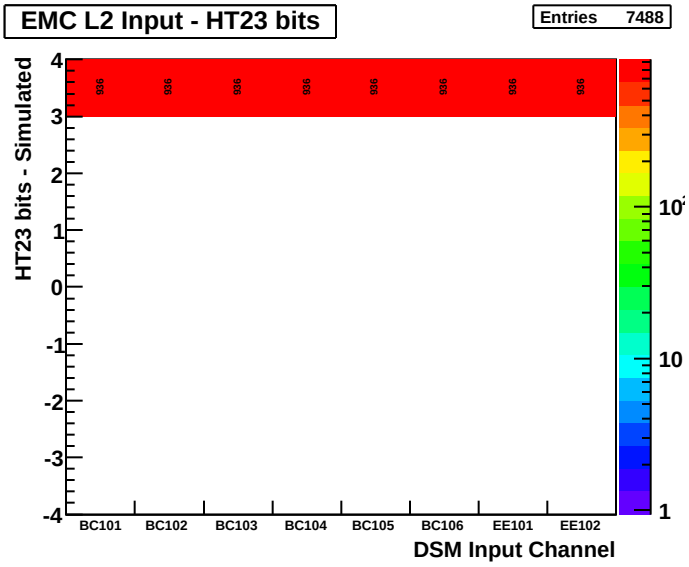

EMC L2 Input - Partial JP Sum
Entries 7488
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

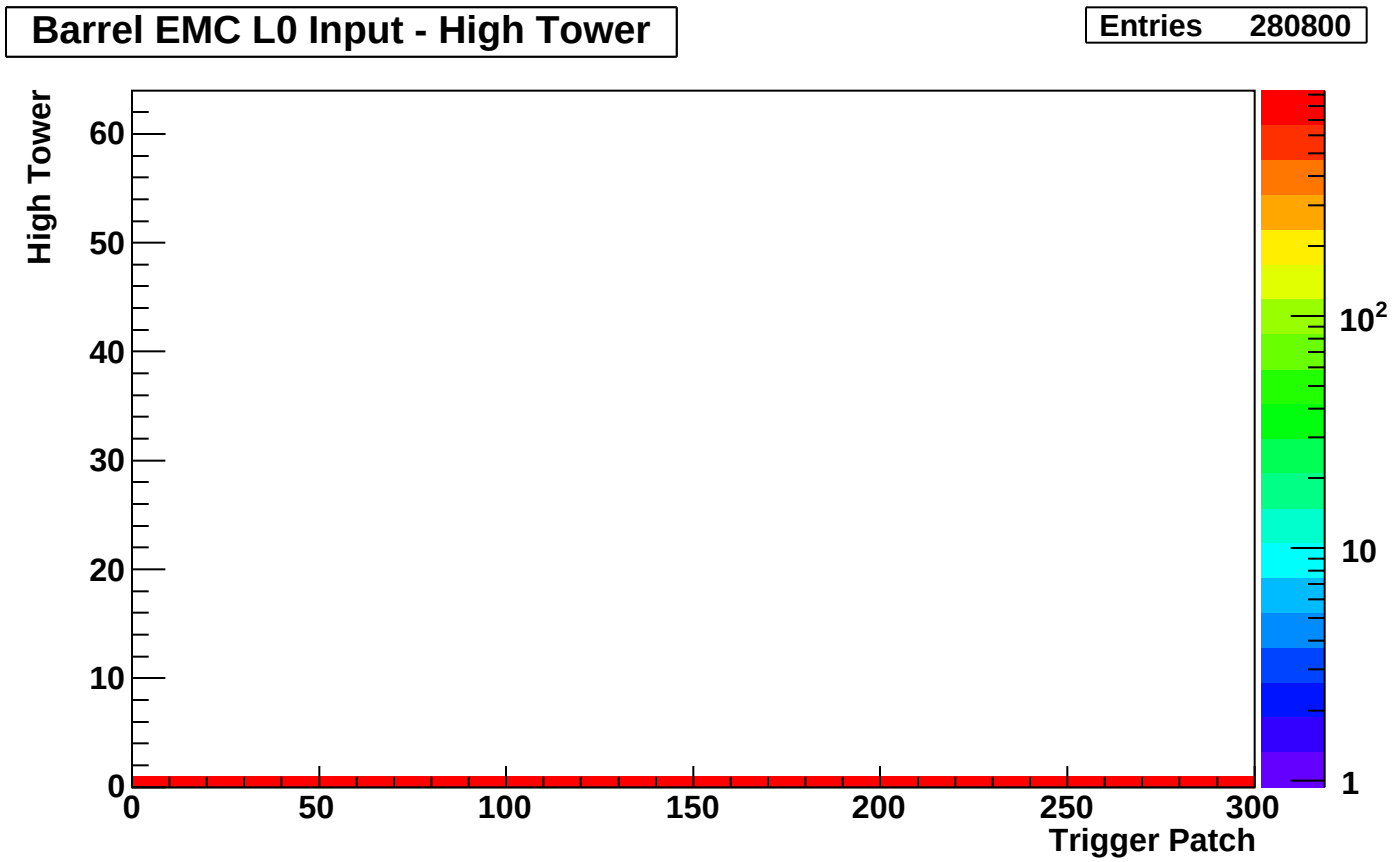

EMC L2 Input - Partial JP Sum
Entries 7488
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

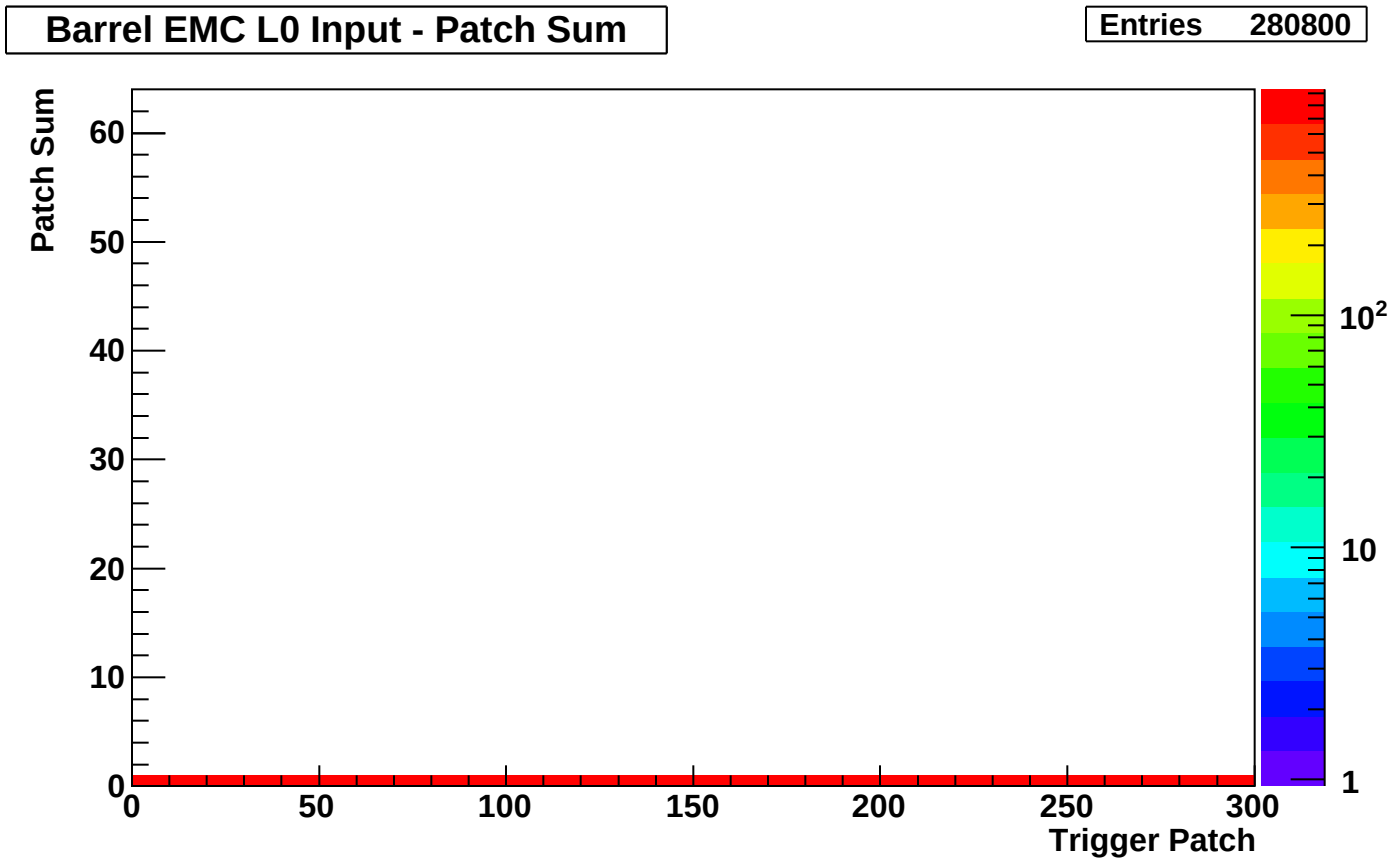

EMC L2 Input - HT01 bits/Partial JP ID
Entries 7488
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

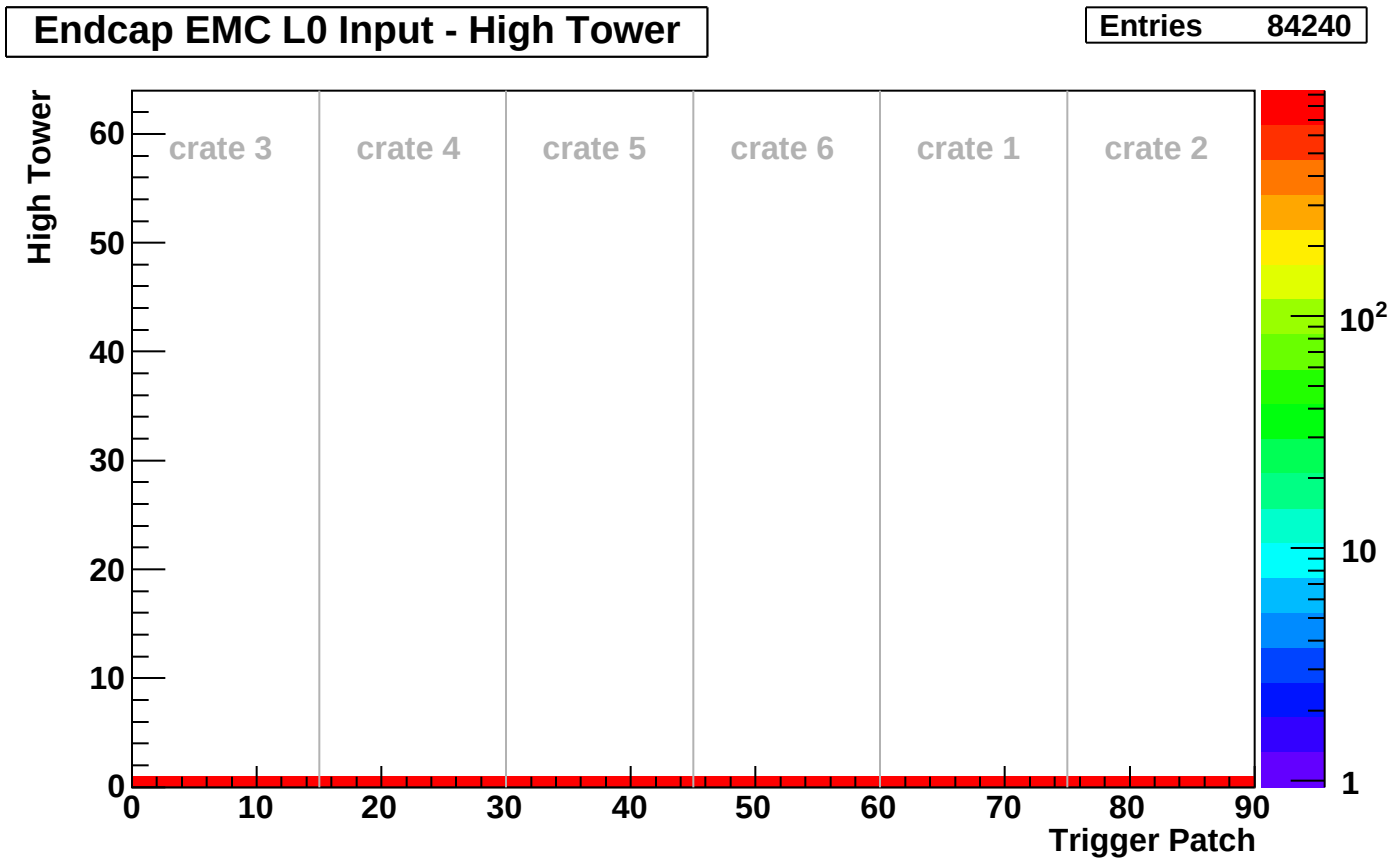

EMC L2 Input - HT01 bits/Partial JP ID
Entries 6552
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

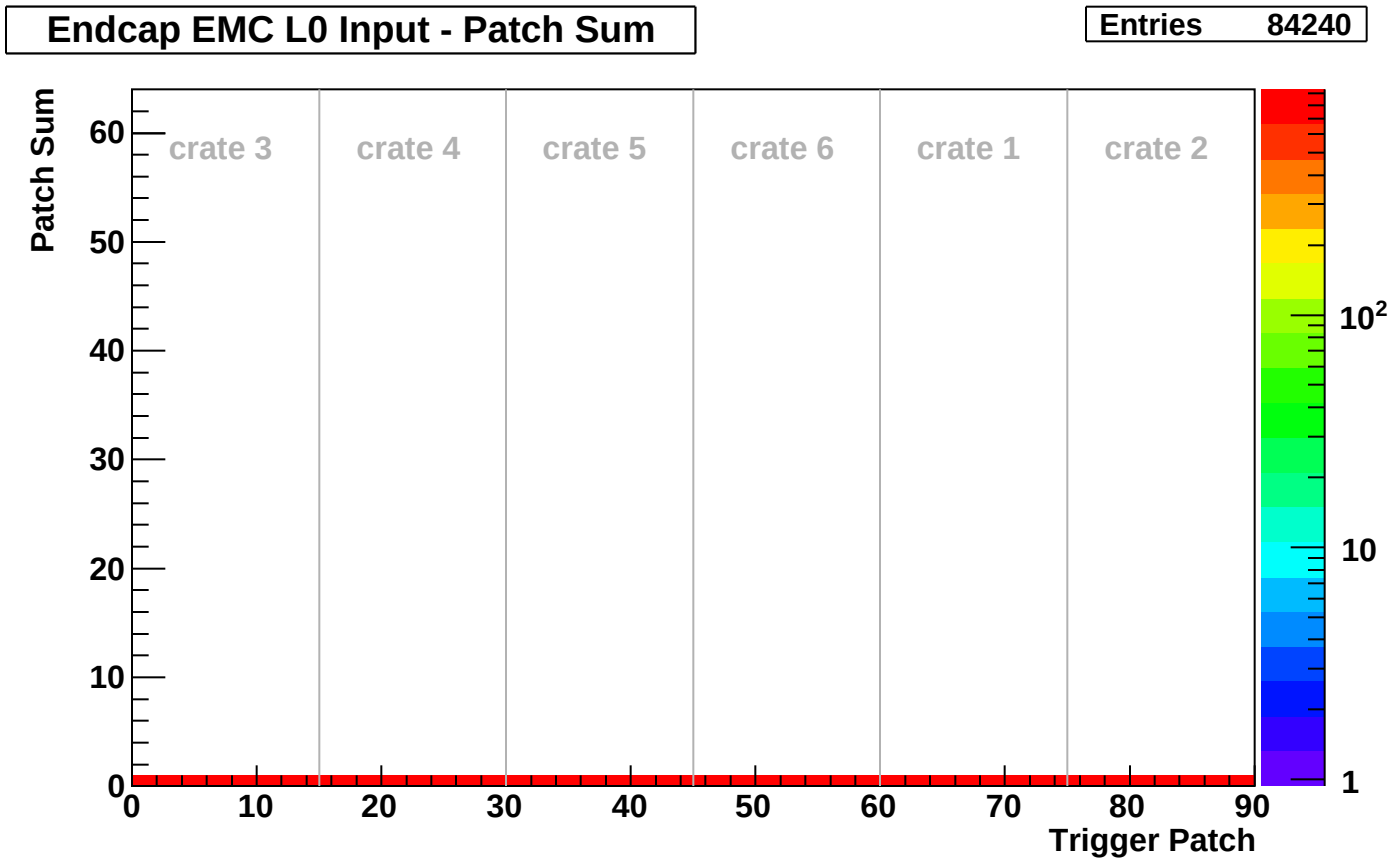

EMC L2 Input - HT23 bits
Entries 7488
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

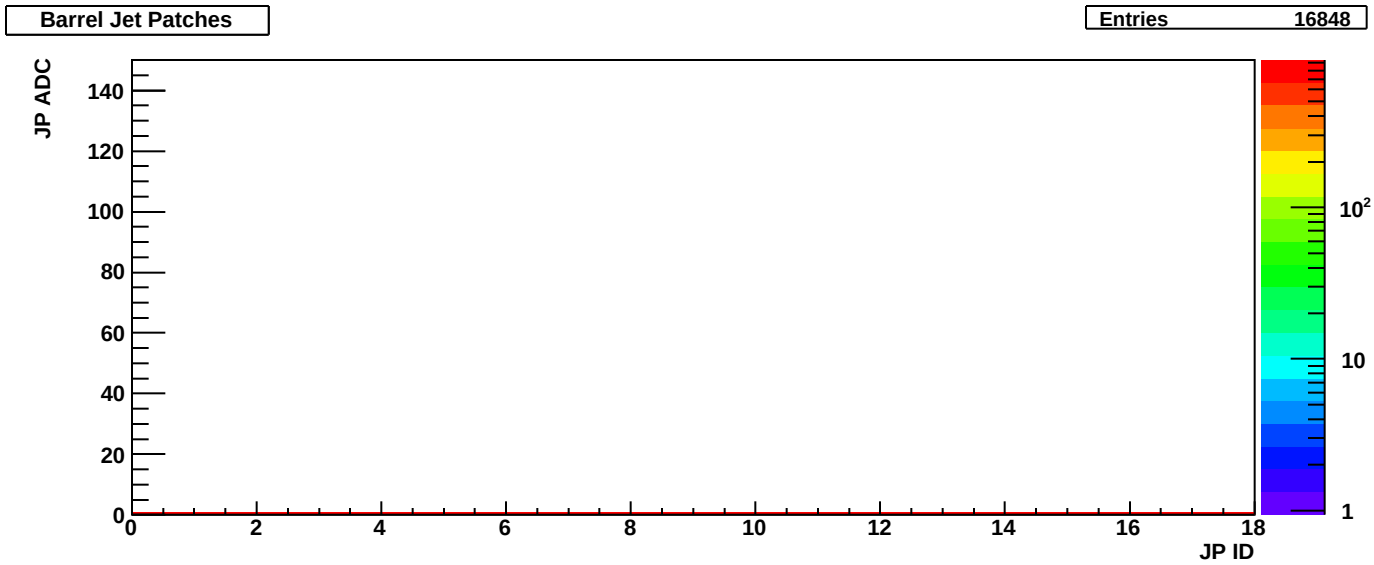

EMC L2 Input - HT23 bits
Entries 7488
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

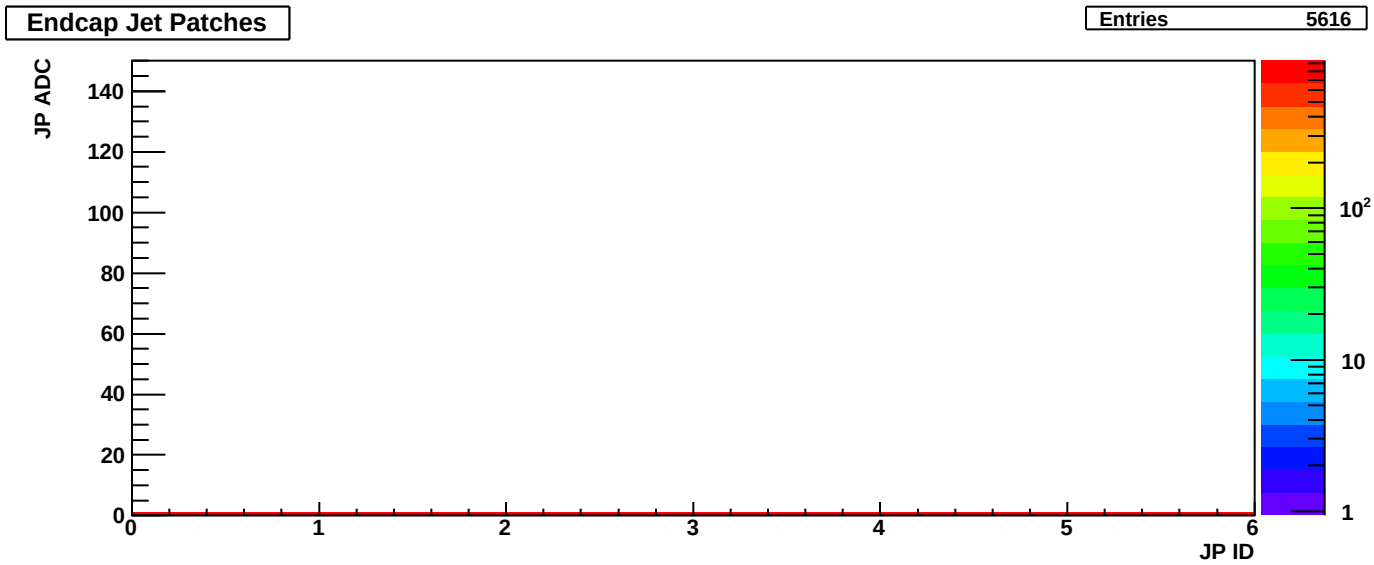

Barrel EMC L0 Input - High Tower
Entries 280800
High Tower
0
10
20
30
40
50
60
0
50
100
150
200
250
300
Trigger Patch
1
10
10^2

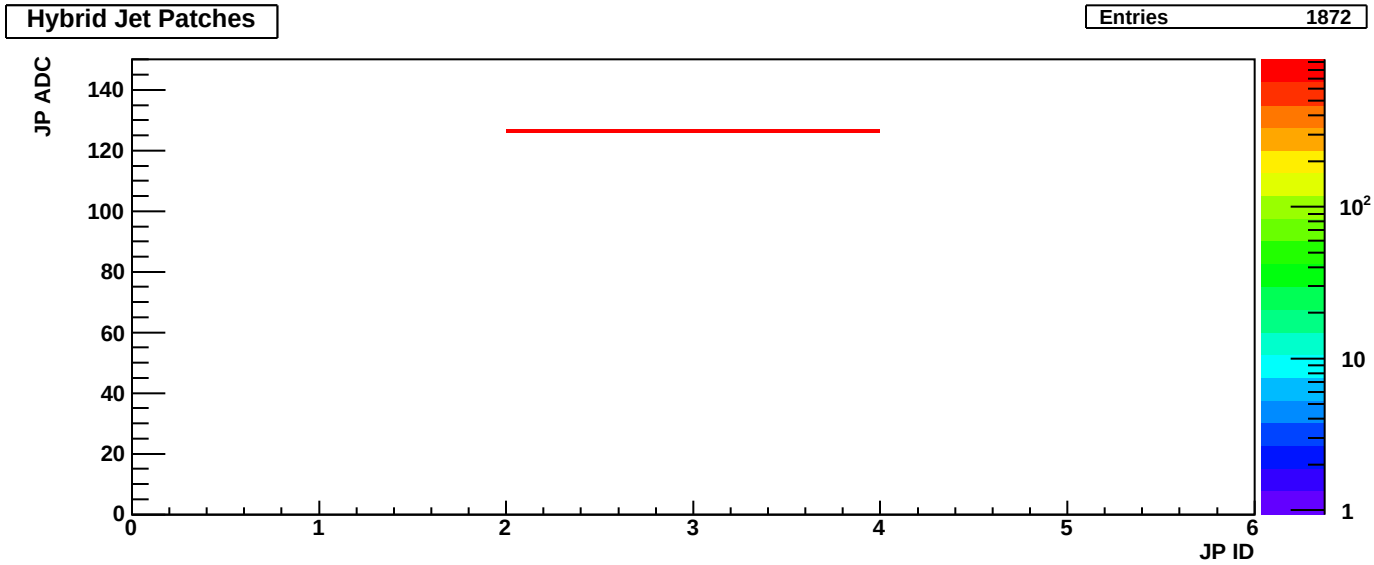

Barrel EMC L0 Input - Patch Sum
Entries 280800
Patch Sum
0
10
20
30
40
50
60
0
50
100
150
200
250
300
Trigger Patch
1
10
10^2

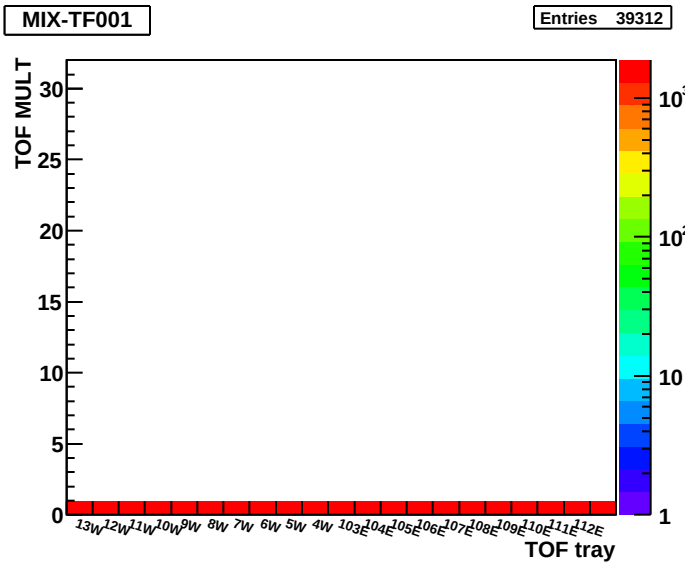

Endcap EMC L0 Input - High Tower
Entries 84240
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2

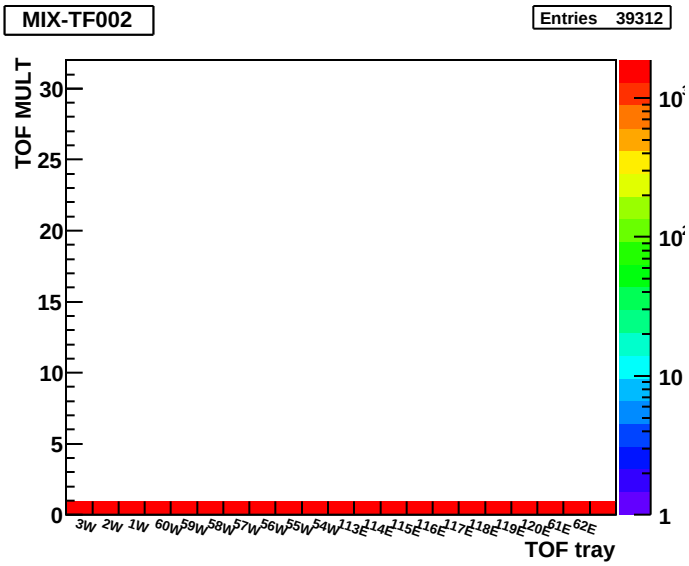

Endcap EMC L0 Input - Patch Sum
Entries 84240
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2

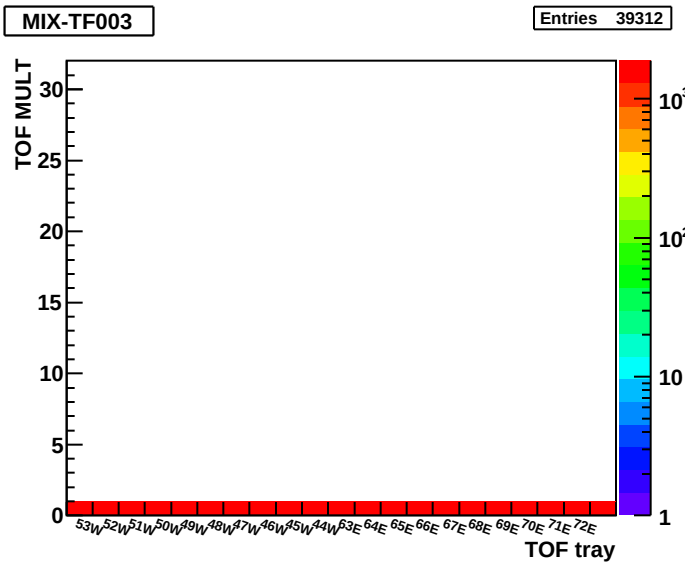

Barrel Jet Patches
Entries 16848
JP ADC
JP ID

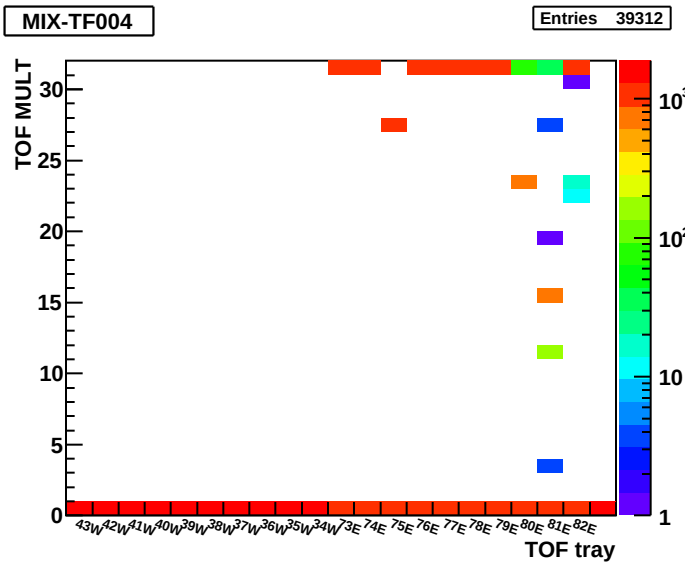

Endcap Jet Patches
Entries 5616
JP ADC
JP ID

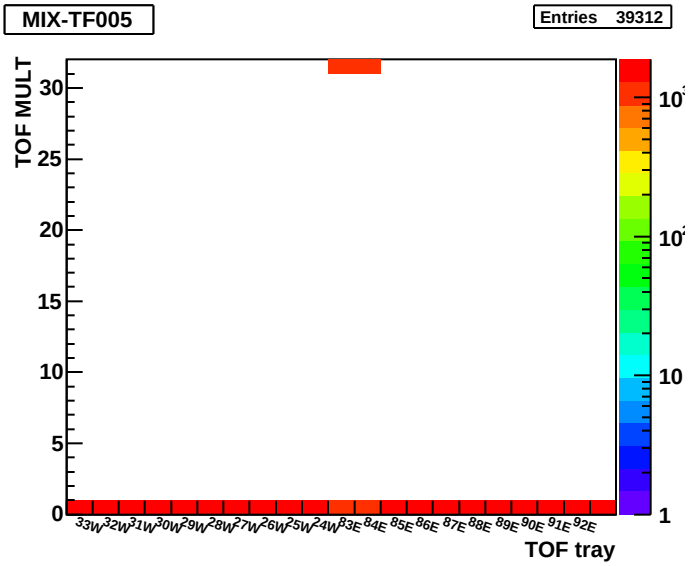

Hybrid Jet Patches
Entries 1872
JP ADC
JP ID

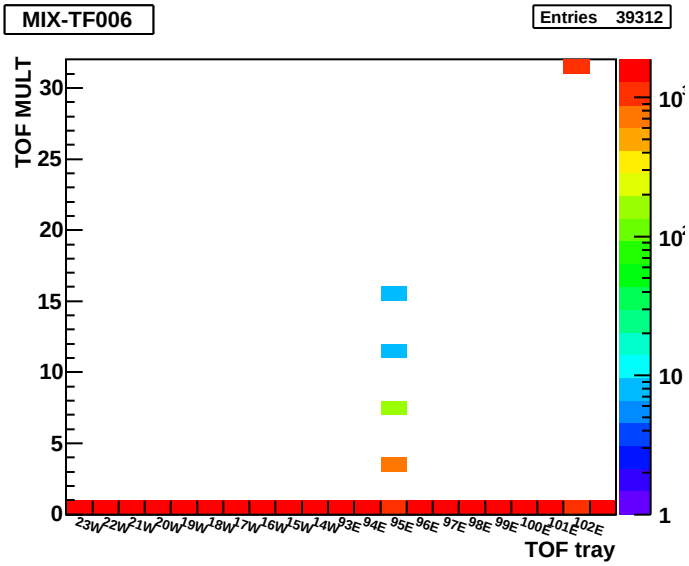

MIX-TF001
Entries 39312
TOF MULT
TOF tray

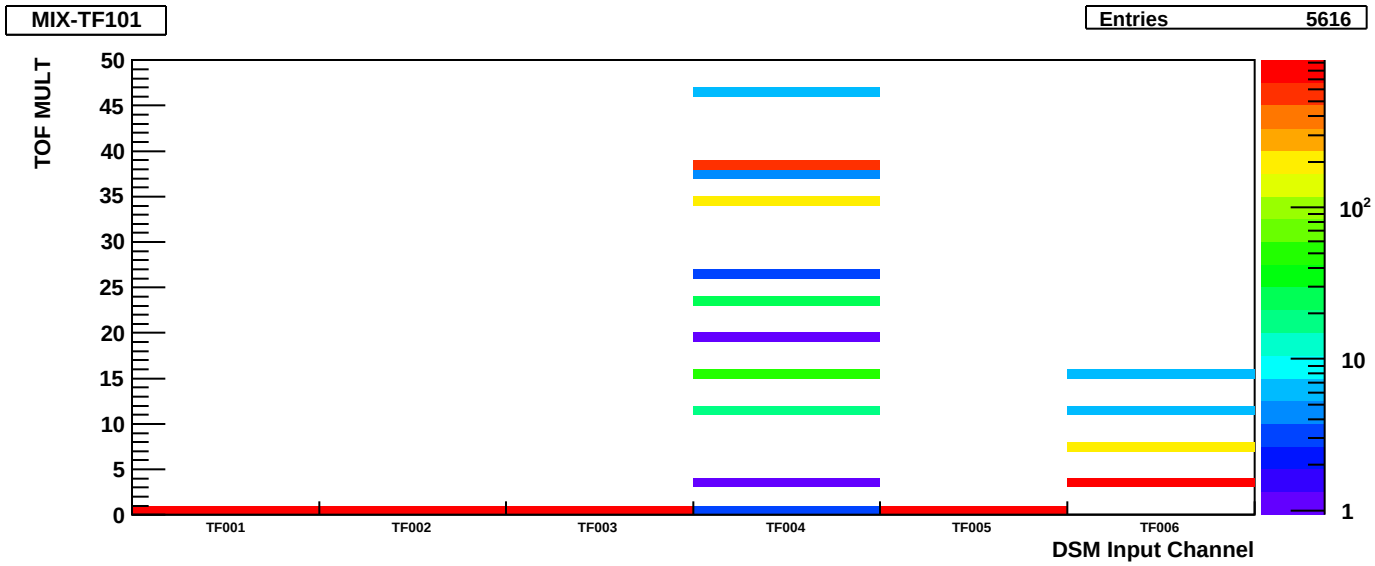

MIX-TF002
Entries 39312
TOF MULT
TOF tray

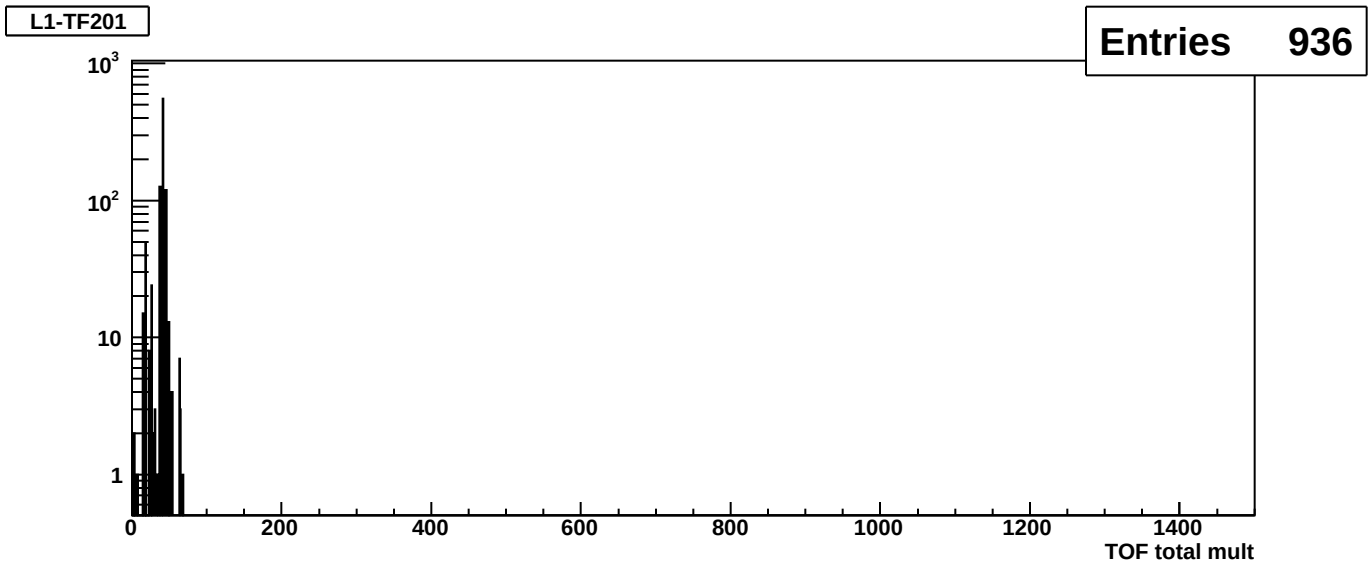

MIX-TF003
Entries 39312
TOF MULT
TOF tray

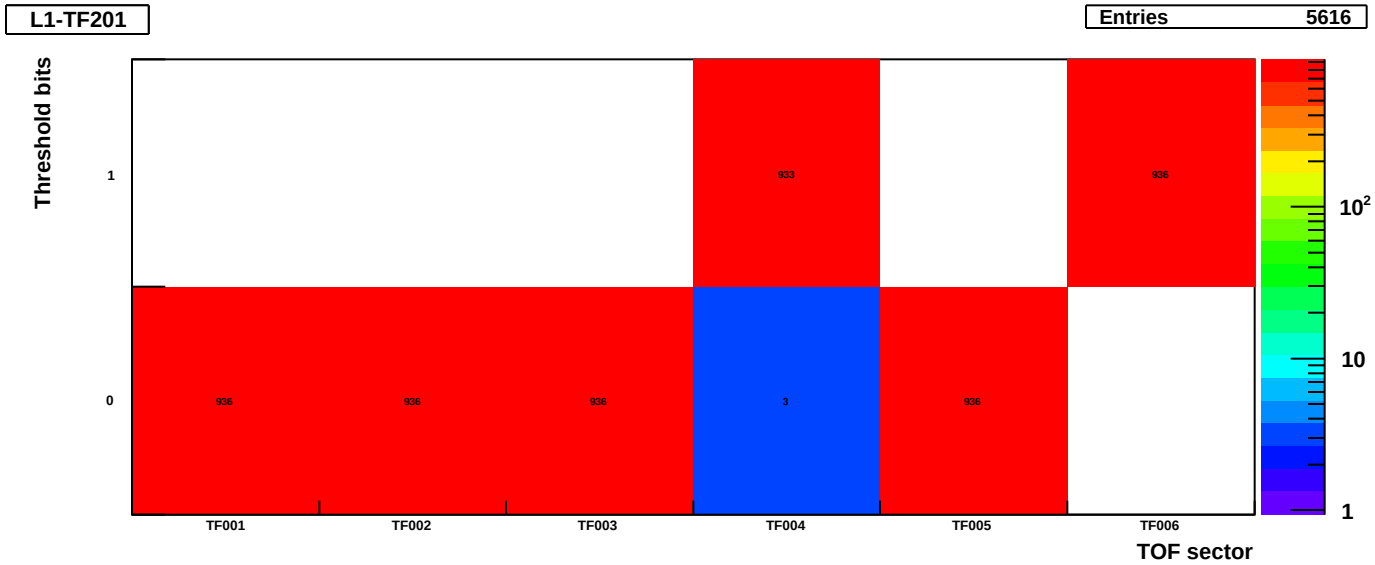

MIX-TF004
Entries 39312
TOF MULT
TOF tray

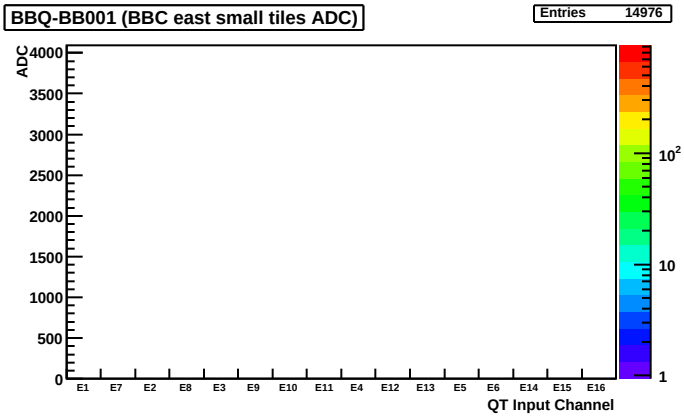

MIX-TF005
Entries 39312
TOF MULT
TOF tray

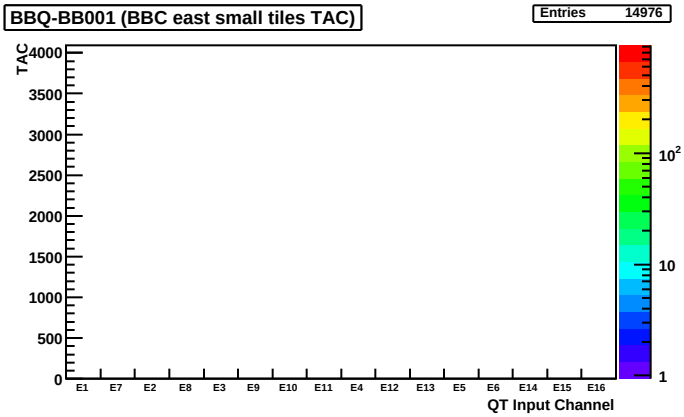

MIX-TF006
Entries 39312
TOF MULT
TOF tray

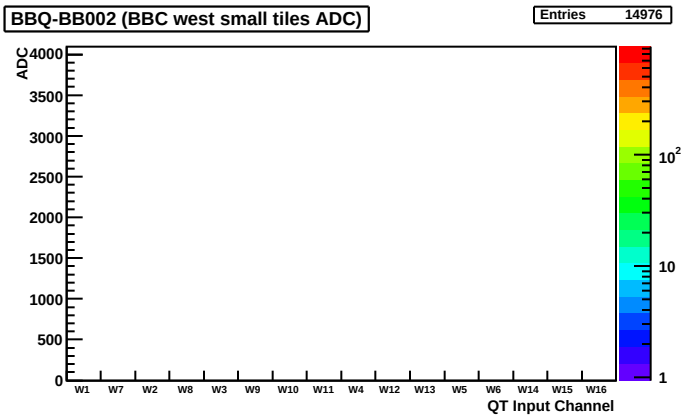

MIX-TF101
Entries 5616
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^2
10
1

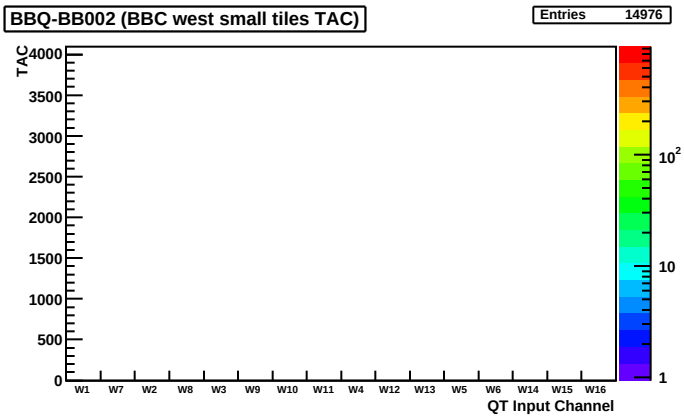

L1-TF201
Entries 936
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

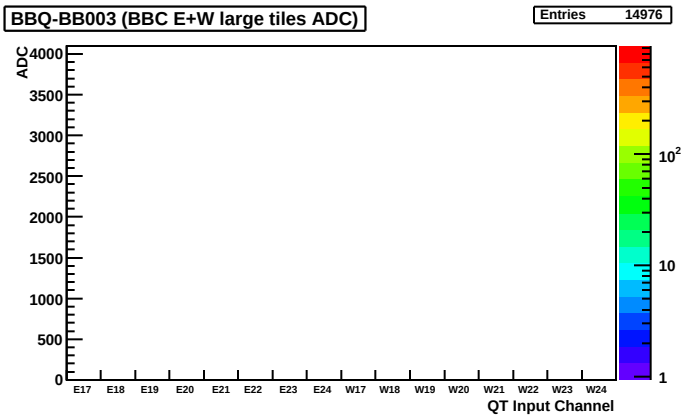

L1-TF201
Entries 5616
Threshold bits
1
0
933
936
936
936
936
3
936
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^2
10
1

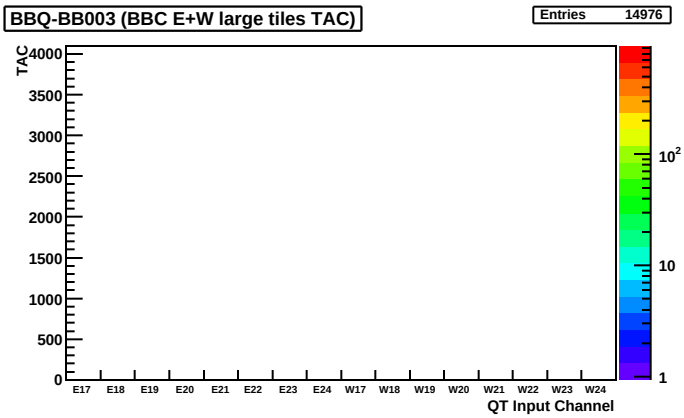

BBQ-BB001 (BBC east small tiles ADC)
Entries 14976
ADC
QT Input Channel

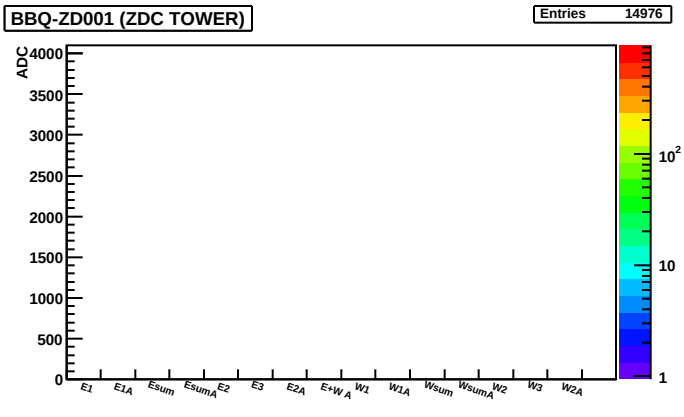

BBQ-BB001 (BBC east small tiles TAC)
Entries 14976
TAC
QT Input Channel

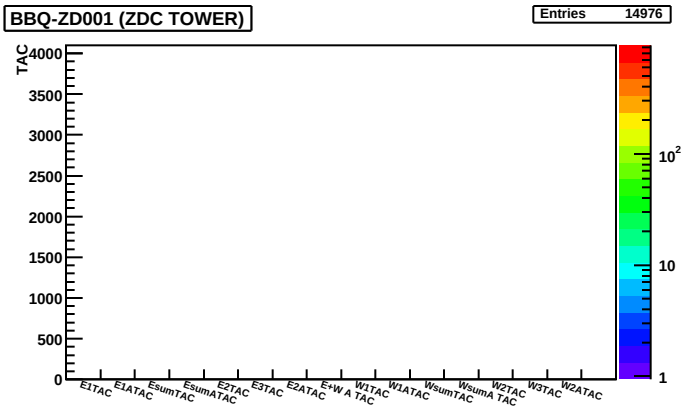

BBQ-BB002 (BBC west small tiles ADC)
Entries 14976
ADC
QT Input Channel

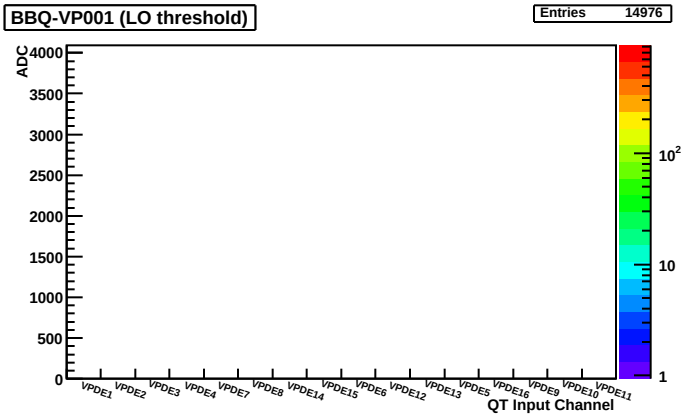

BBQ-BB002 (BBC west small tiles TAC)
Entries 14976
TAC
QT Input Channel

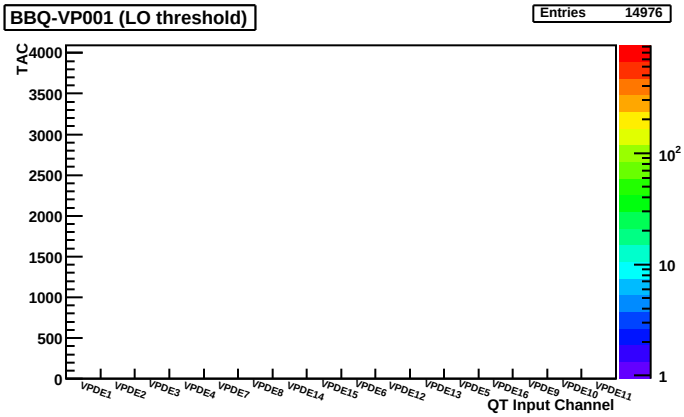

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 14976
ADC
QT Input Channel

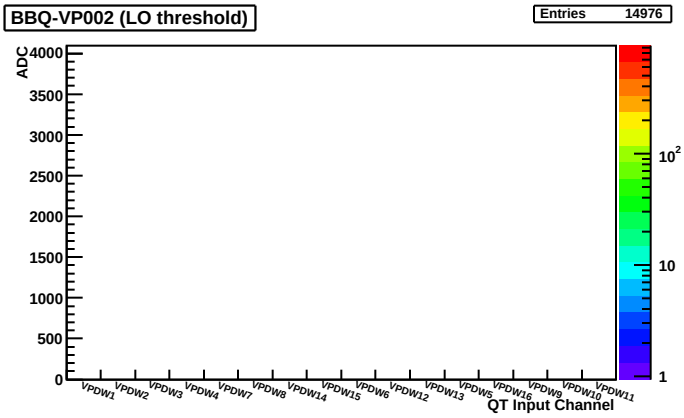

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 14976
TAC
QT Input Channel

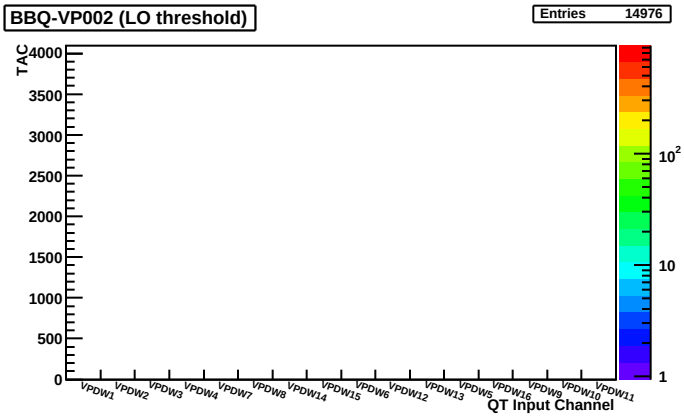

BBQ-ZD001 (ZDC TOWER)
Entries 14976
ADC

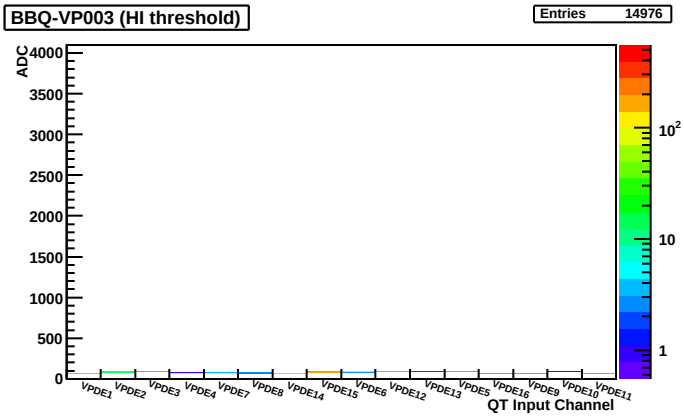

BBQ-ZD001 (ZDC TOWER)
Entries 14976
TAC

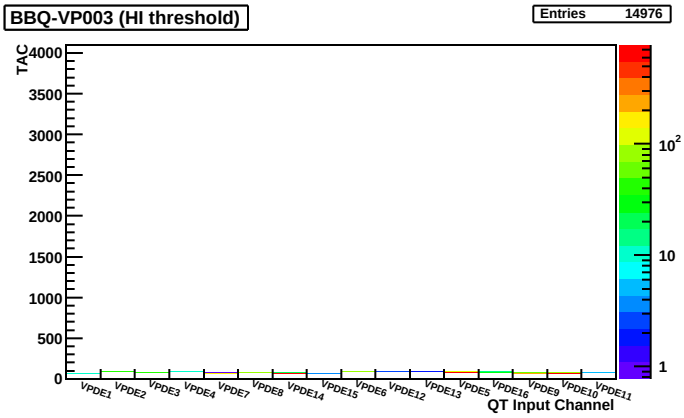

BBQ-VP001 (LO threshold)
Entries 14976
ADC
QT Input Channel

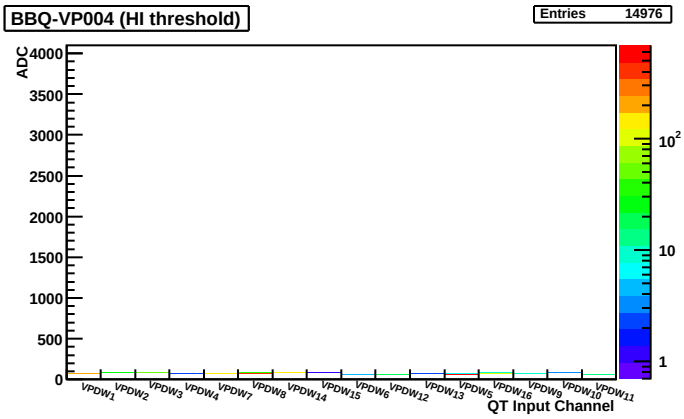

BBQ-VP001 (LO threshold)
Entries 14976
TAC
QT Input Channel

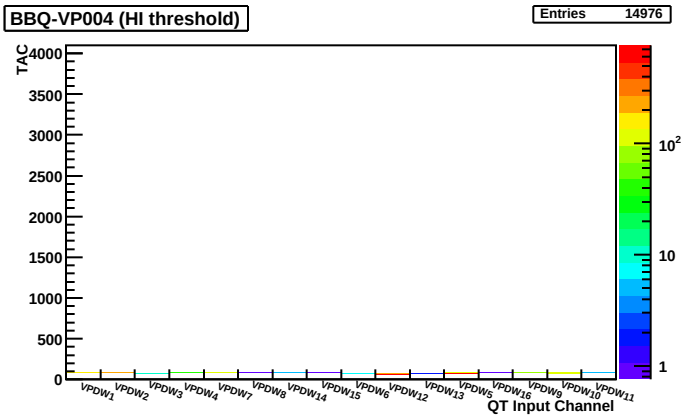

BBQ-VP002 (LO threshold)
Entries 14976
ADC
QT Input Channel

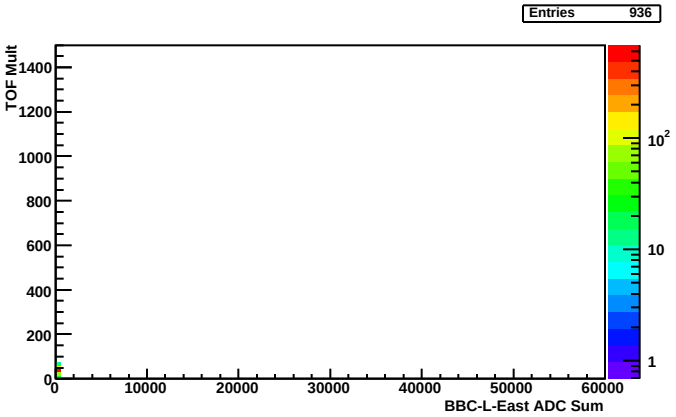

BBQ-VP002 (LO threshold)
Entries 14976
TAC
QT Input Channel

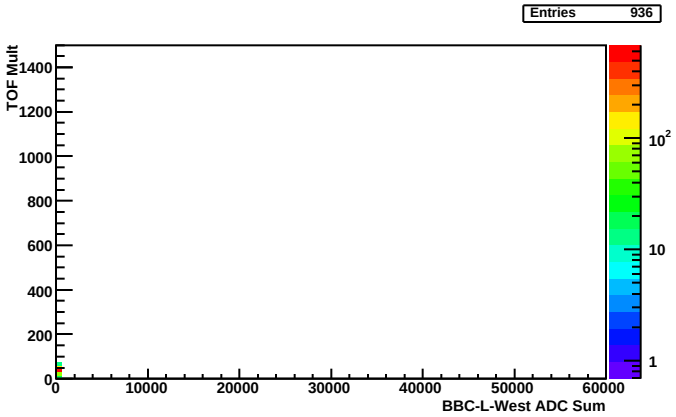

BBQ-VP003 (HI threshold)
Entries 14976
ADC
QT Input Channel

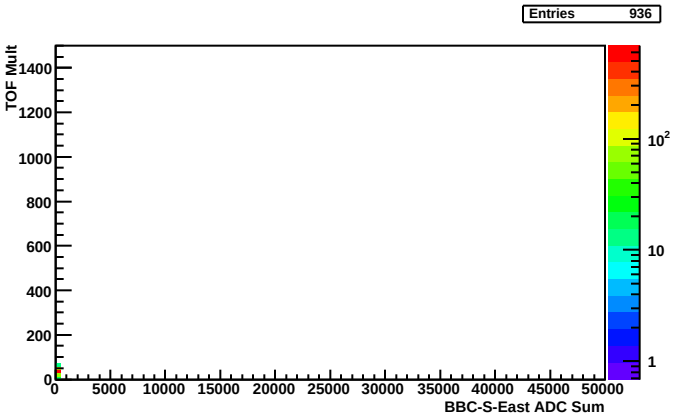

BBQ-VP003 (HI threshold)
Entries 14976
TAC
QT Input Channel

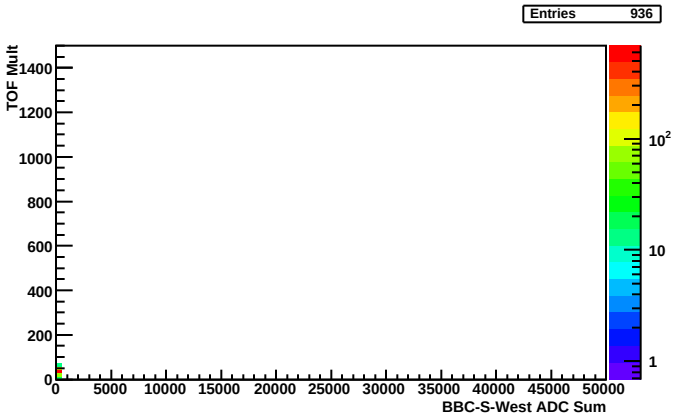

BBQ-VP004 (HI threshold)
Entries 14976
ADC
QT Input Channel

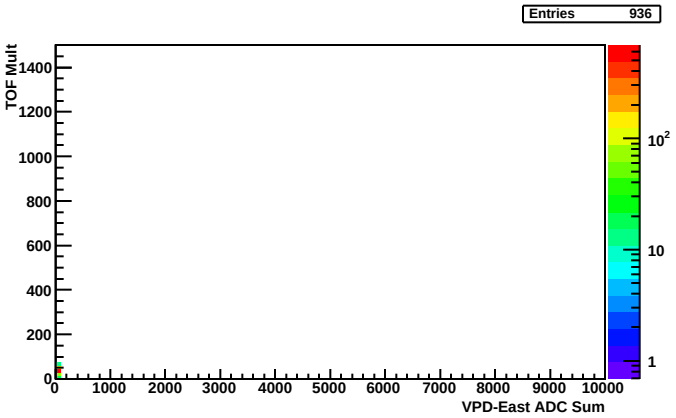

BBQ-VP004 (HI threshold)
Entries 14976
TAC
QT Input Channel

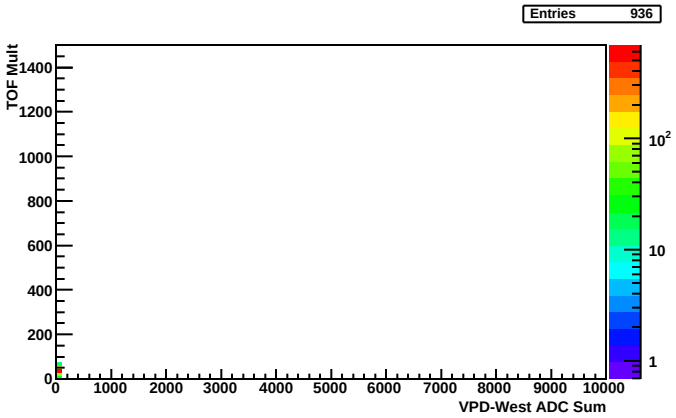

Entries 936
TOF Mult
BBC-L-East ADC Sum

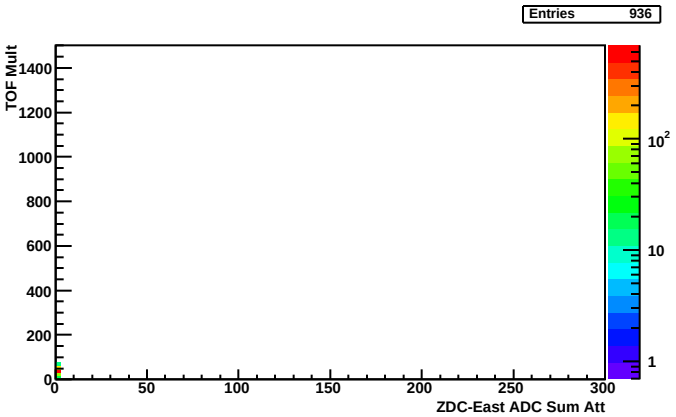

Entries 936
TOF Mult
BBC-L-West ADC Sum

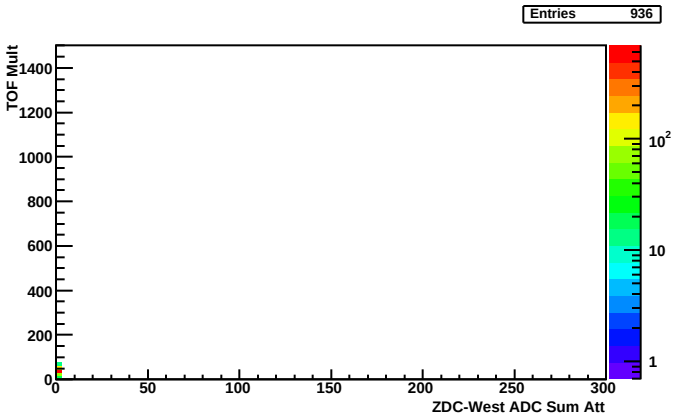

Entries 936
TOF Mult
BBC-S-East ADC Sum

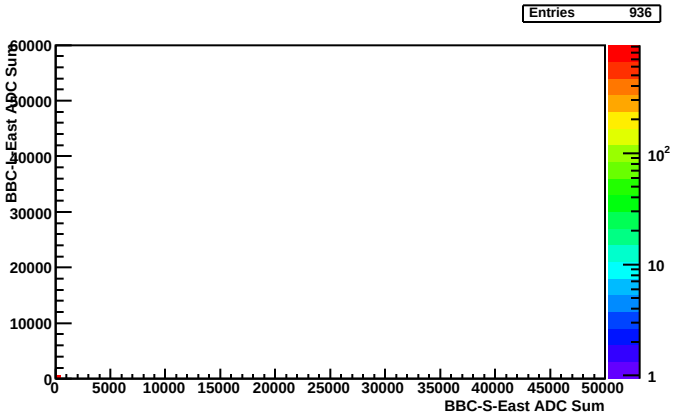

Entries 936
TOF Mult
BBC-S-West ADC Sum

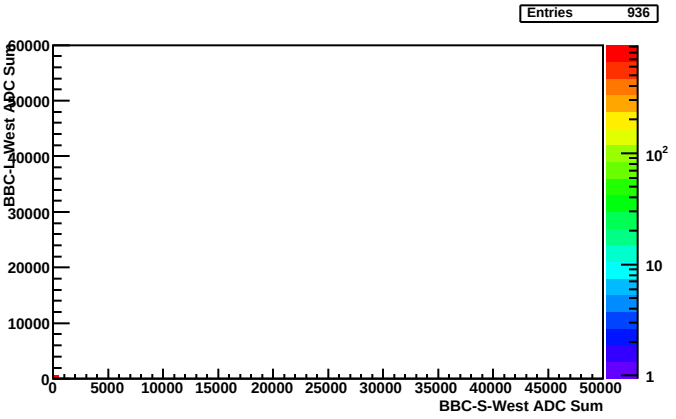

Entries 936
TOF Mult
VPD-East ADC Sum

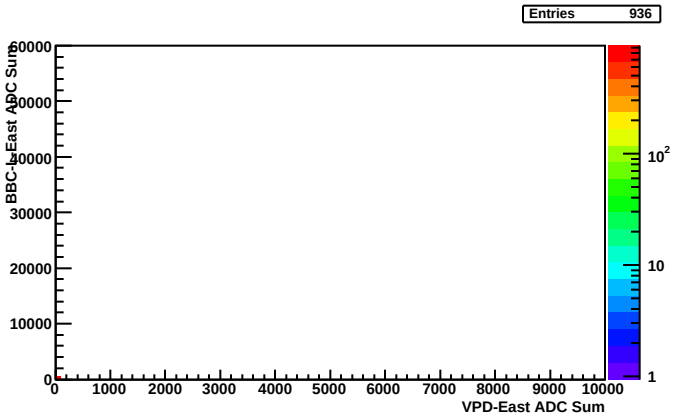

Entries 936
TOF Mult
VPD-West ADC Sum

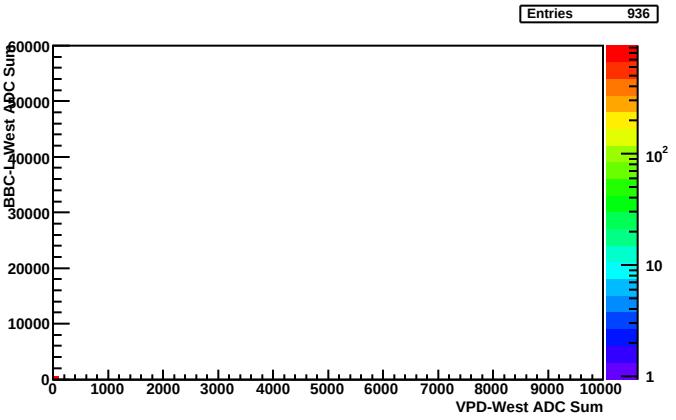

Entries 936
TOF Mult
ZDC-East ADC Sum Att

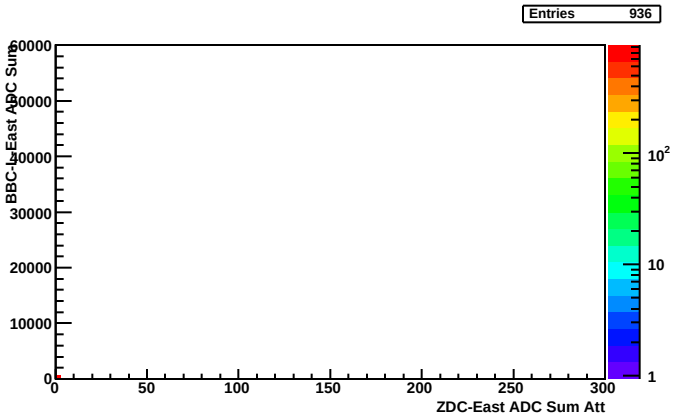

Entries 936
TOF Mult
ZDC-West ADC Sum Att

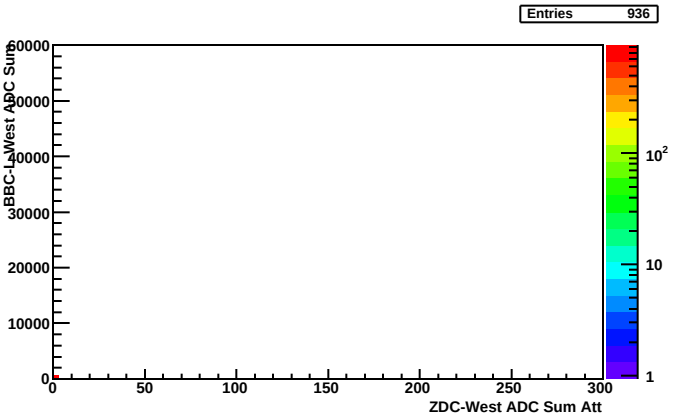

Entries 936
BBC-L-East ADC Sum
BBC-S-East ADC Sum

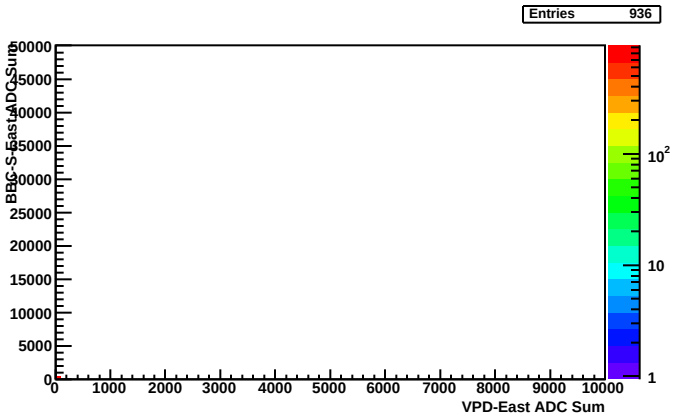

Entries 936
BBC-L-West ADC Sum
BBC-S-West ADC Sum

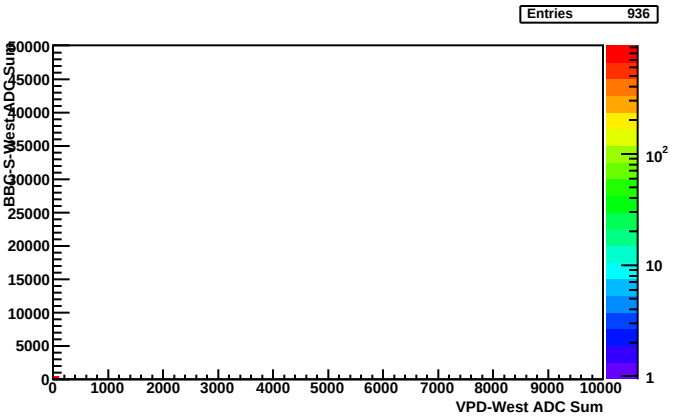

Entries 936
BBC-L-East ADC Sum
VPD-East ADC Sum

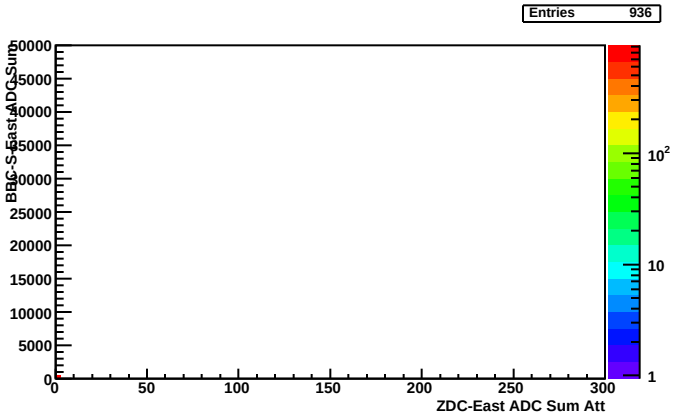

Entries 936
BBC-L-West ADC Sum
VPD-West ADC Sum

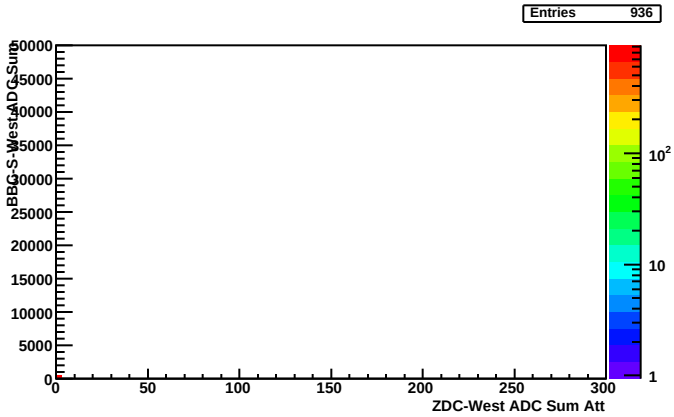

Entries 936
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

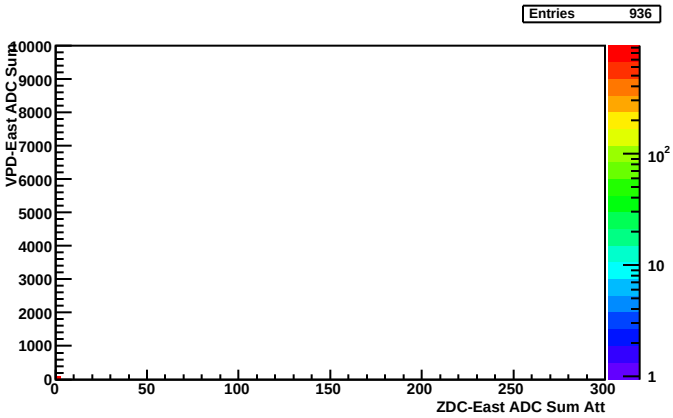

Entries 936
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

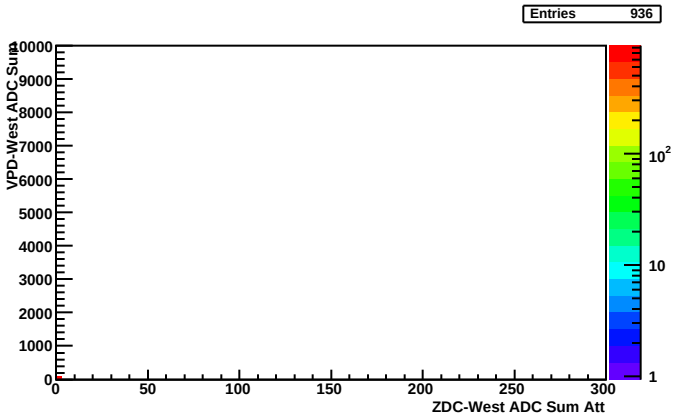

Entries 936
BBC-S-East ADC Sum
VPD-East ADC Sum

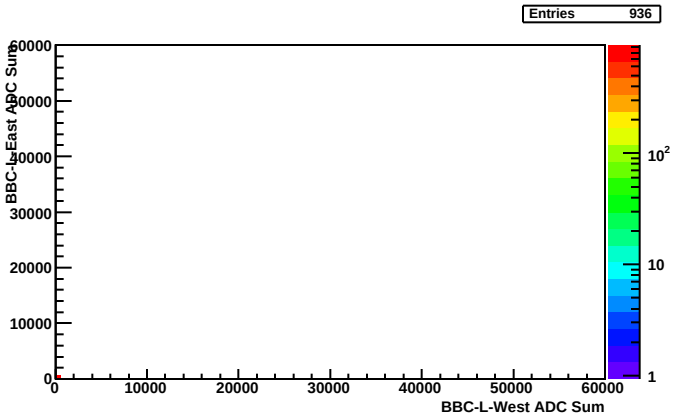

Entries 936
BBC-S-West ADC Sum
VPD-West ADC Sum

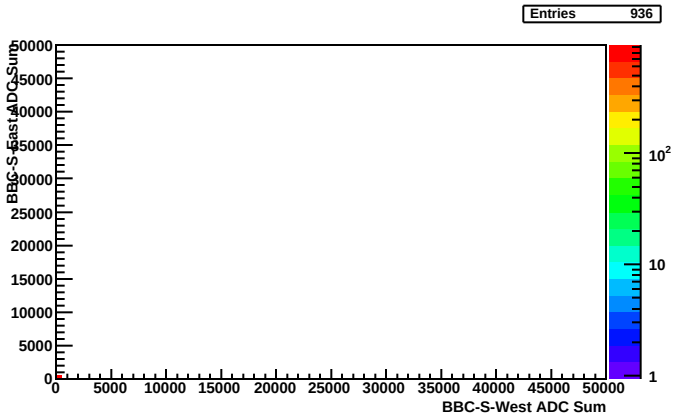

Entries 936
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

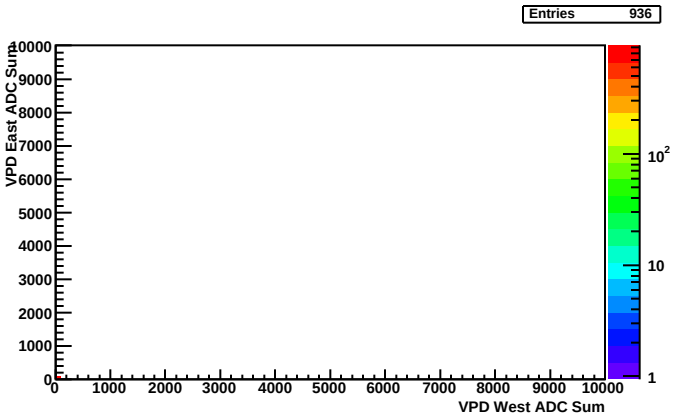

Entries 936
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

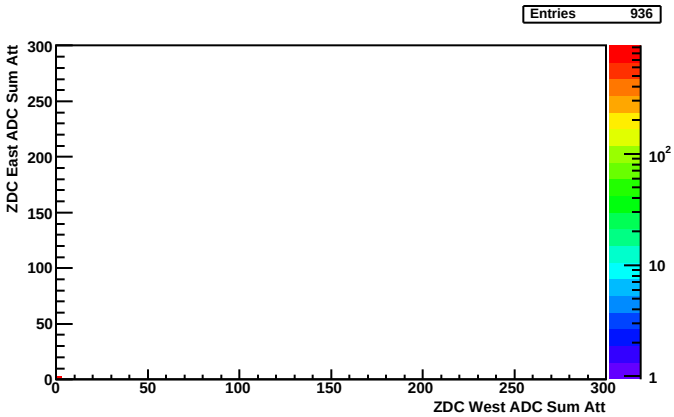

Entries 936
VPD-East ADC Sum
ZDC-East ADC Sum Att

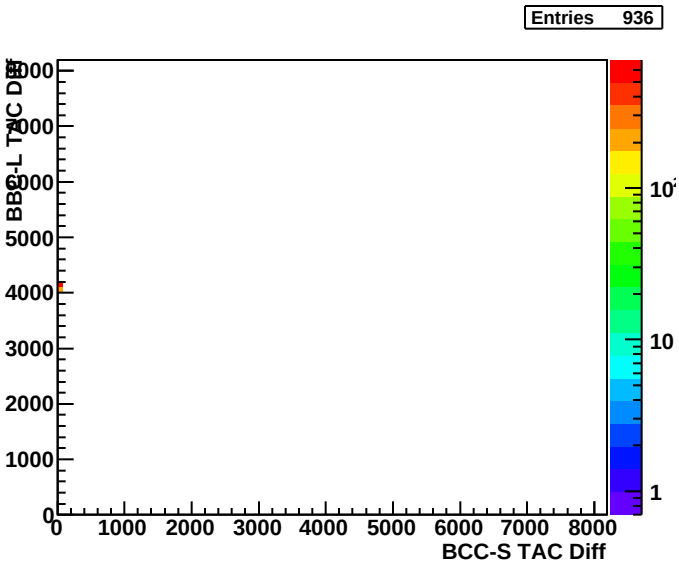

Entries 936
VPD-West ADC Sum
ZDC-West ADC Sum Att

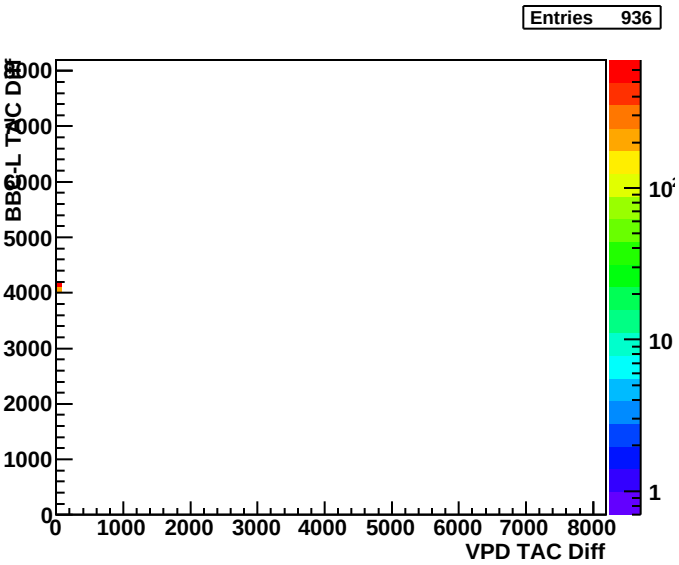

Entries 936
BBC-L-East ADC Sum
BBC-L-West ADC Sum

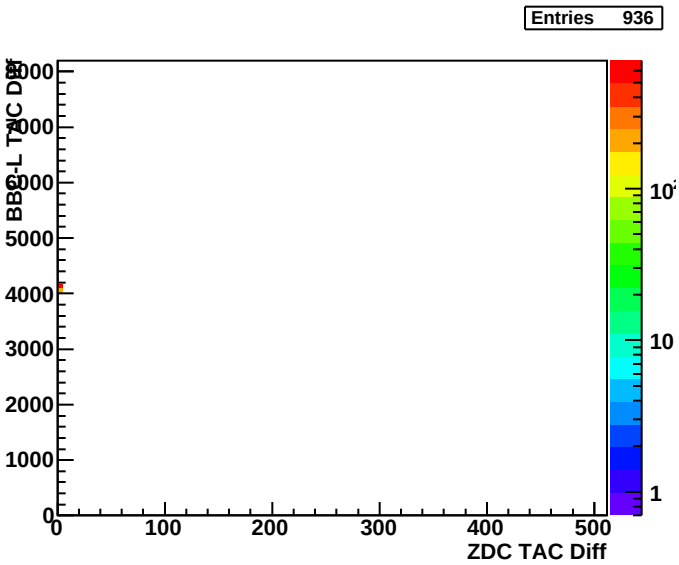

Entries 936
BBC-S-East ADC Sum
BBC-S-West ADC Sum

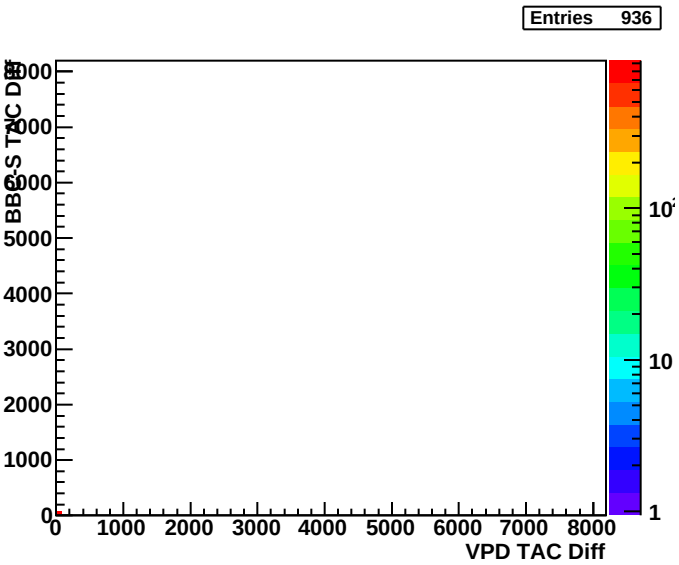

Entries 936
VPD East ADC Sum
VPD West ADC Sum

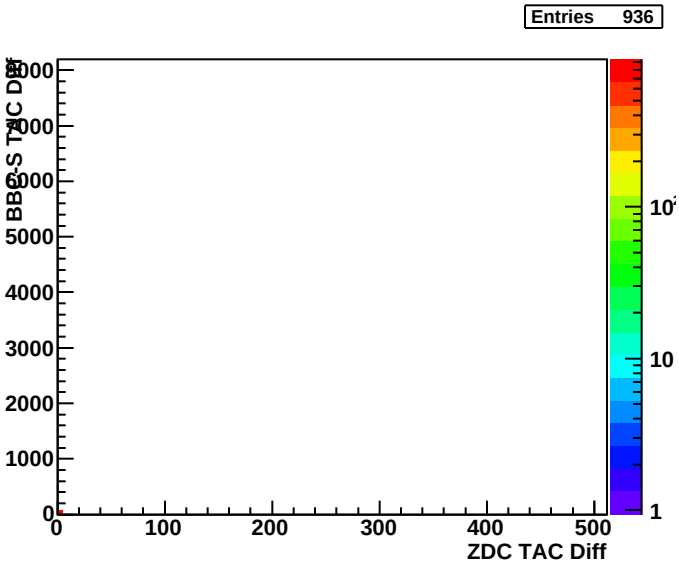

Entries 936
ZDC East ADC Sum Att
ZDC West ADC Sum Att

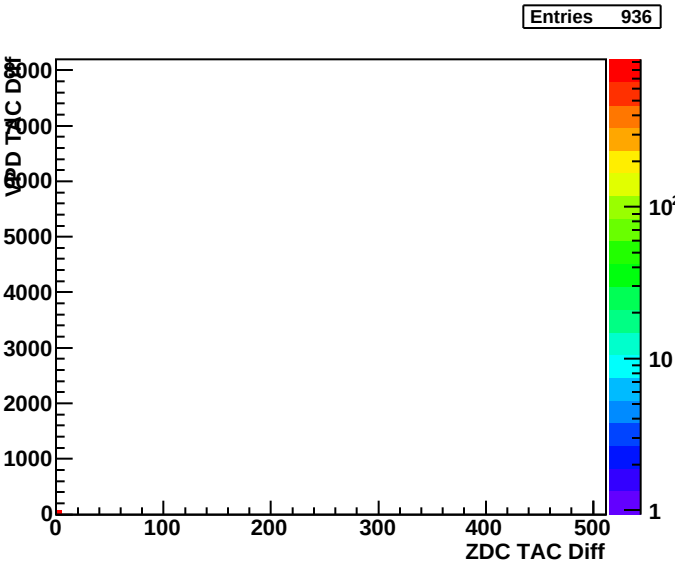

Entries 936
BBC-L TAC Diff
BCC-S TAC Diff

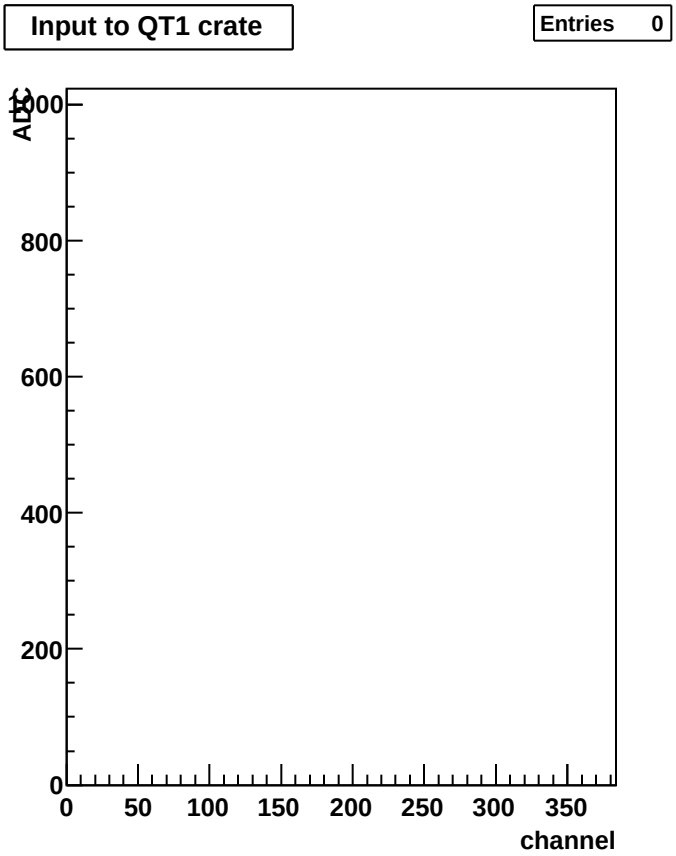

Entries 936
BBC-L TAC Diff
VPD TAC Diff

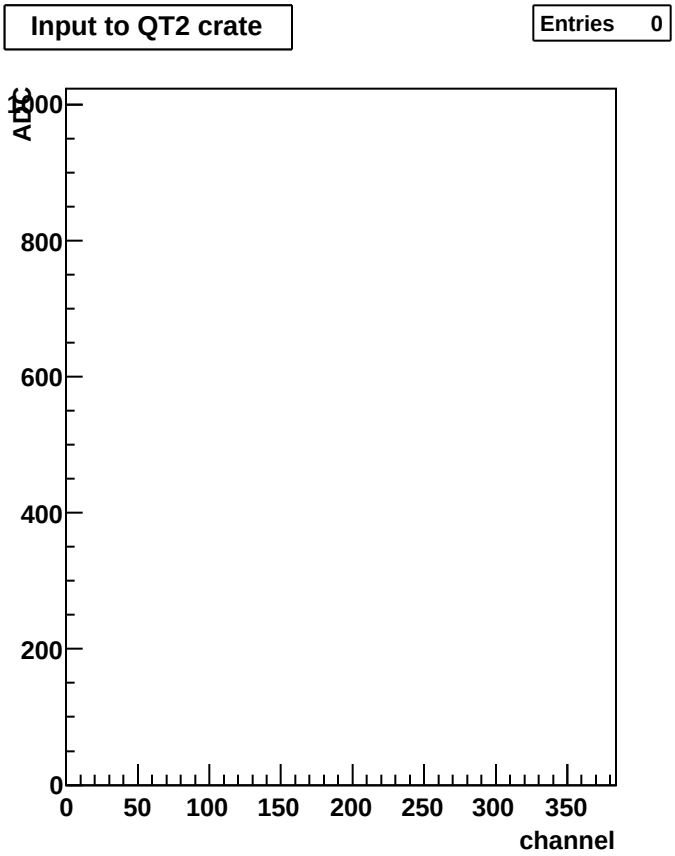

Entries 936
BBC-L TAC Diff
ZDC TAC Diff

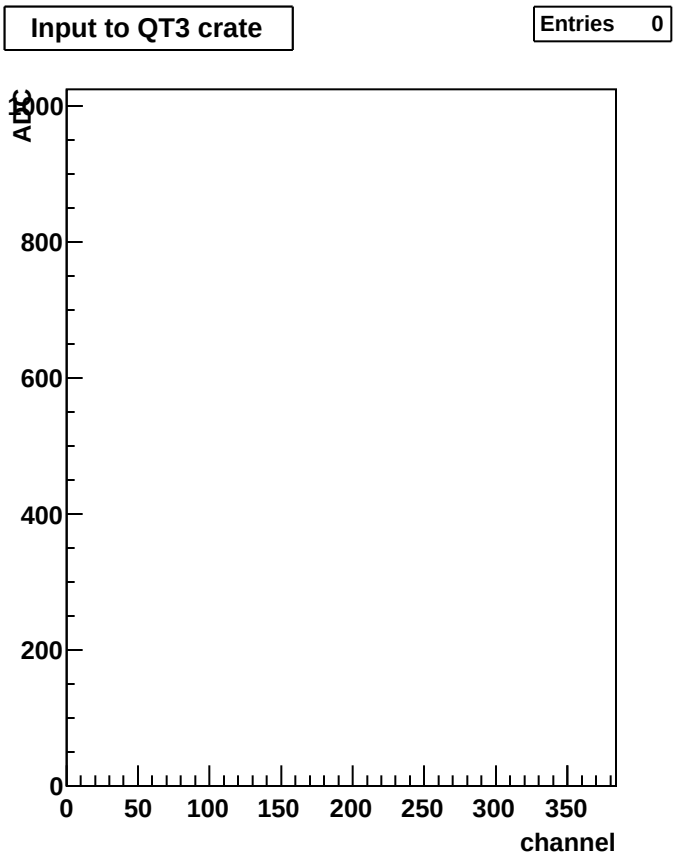

Entries 936
BBC-S TAC Diff
VPD TAC Diff

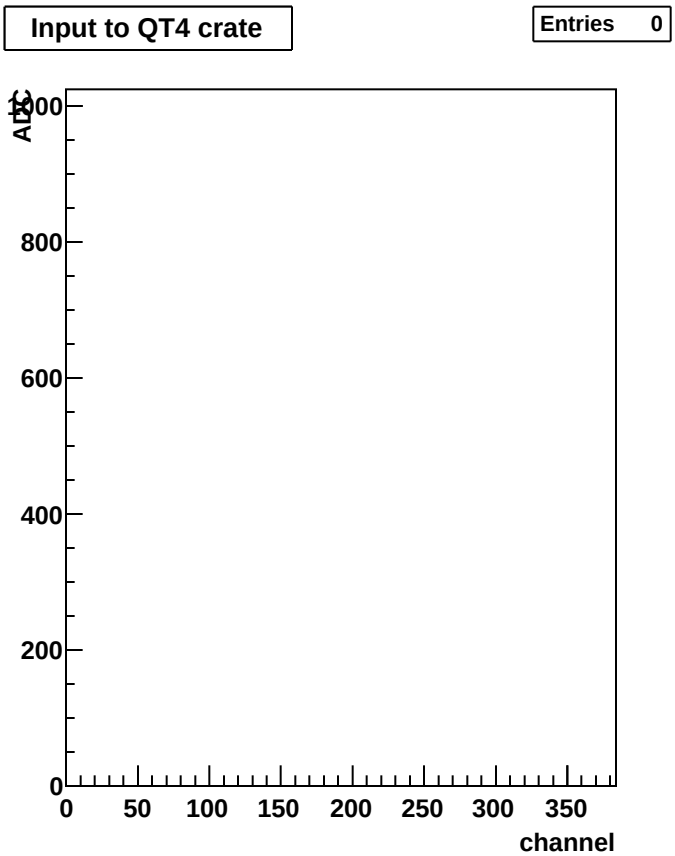

Entries 936
BBC-S TAC Diff
ZDC TAC Diff

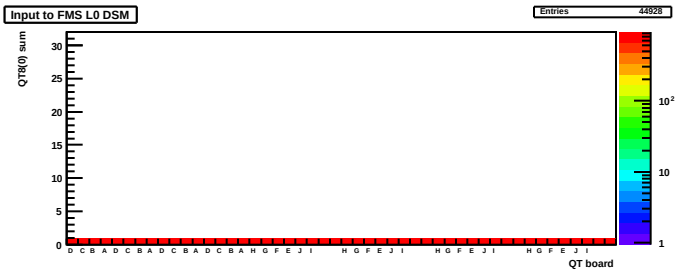

Entries 936
VPD TAC Diff
ZDC TAC Diff

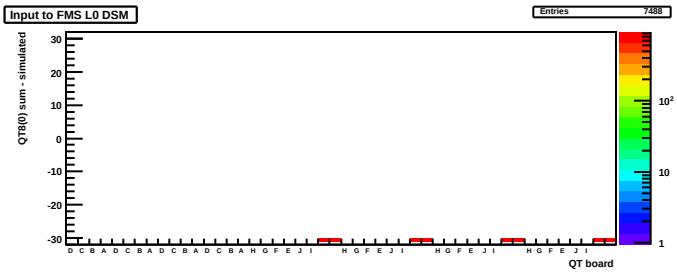

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

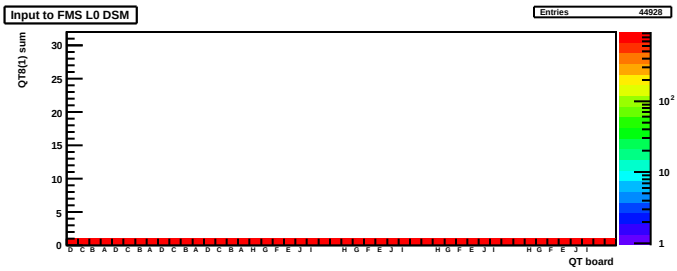

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

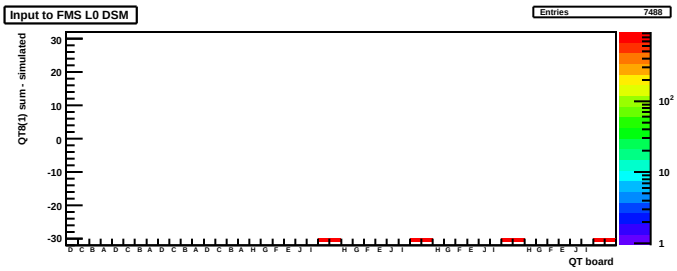

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

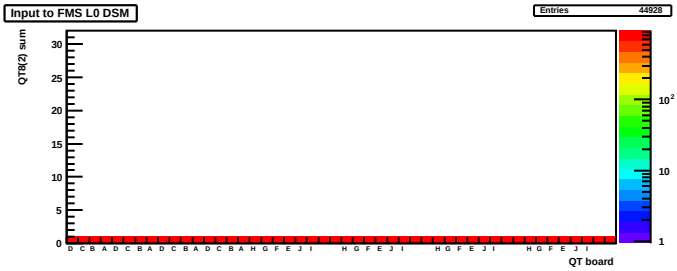

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

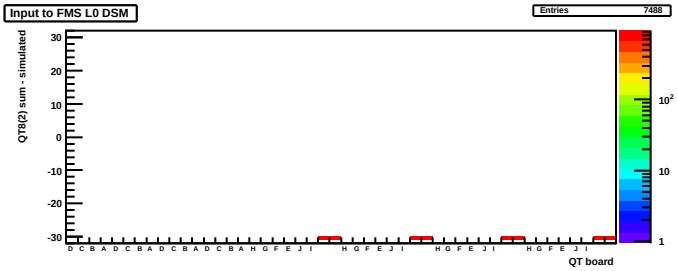

Input to FMS L0 DSM
Entries 44928
QT8(0) sum
QT board

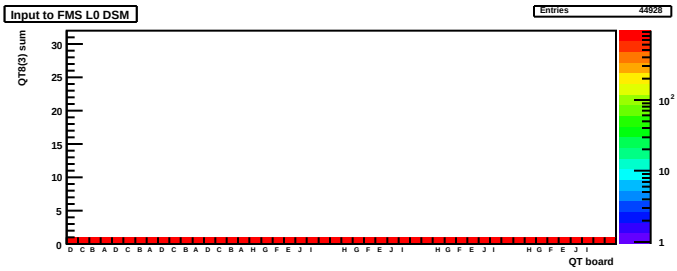

Input to FMS L0 DSM
Entries 7488
QT8(0) sum - simulated
QT board

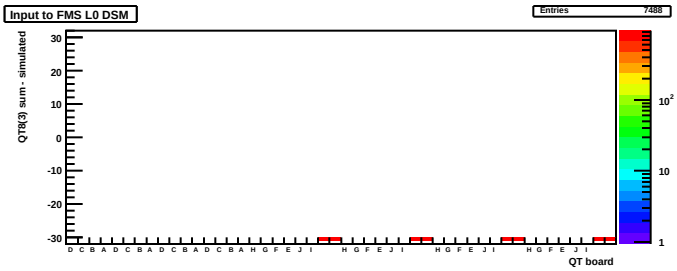

Input to FMS L0 DSM
Entries 44928
QT8(1) sum
QT board

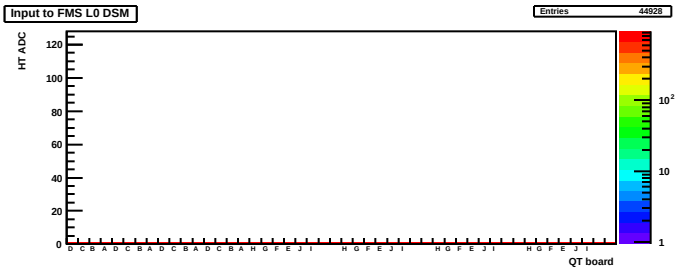

Input to FMS L0 DSM
Entries 7488
QT8(1) sum - simulated
QT board

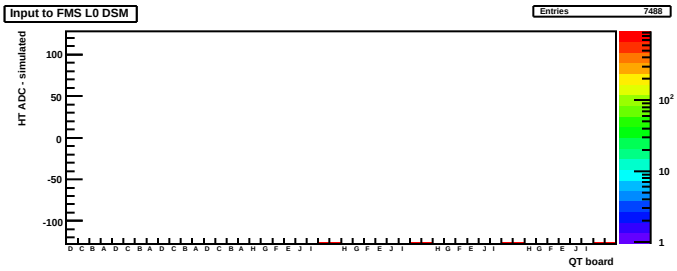

Input to FMS L0 DSM
Entries 44928
QT8(2) sum
QT board

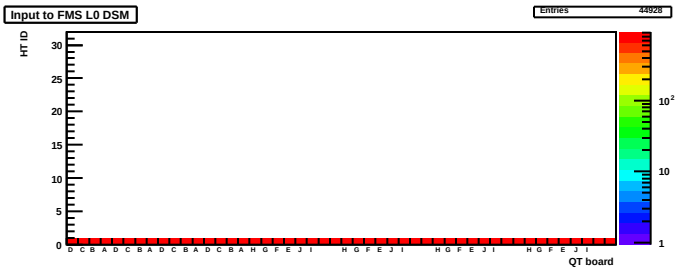

Input to FMS L0 DSM
Entries 7488
QT8(2) sum - simulated
QT board

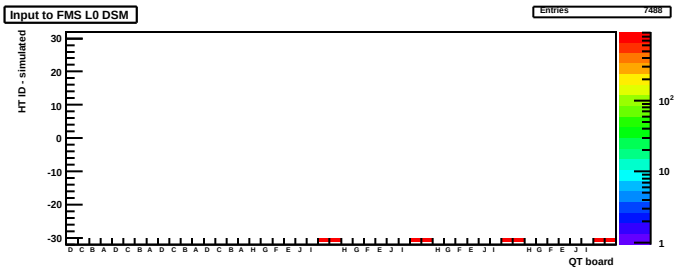

Input to FMS L0 DSM
Entries 44928
QT8(3) sum
QT board

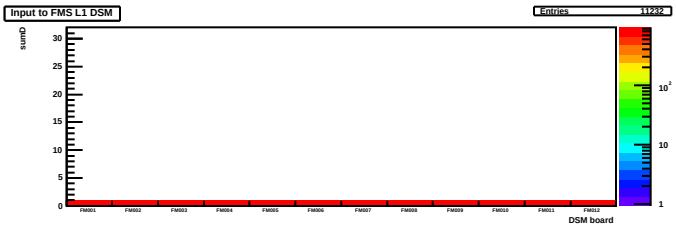

Input to FMS L0 DSM
Entries 7488
QT8(3) sum - simulated
QT board

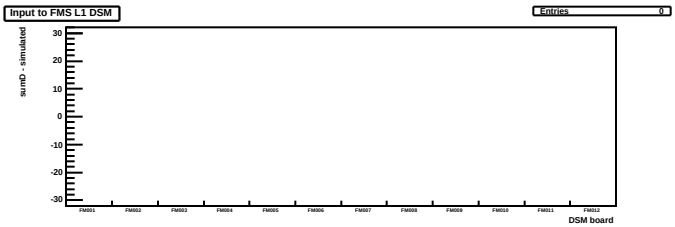

Input to FMS L0 DSM
Entries 44928
HT ADC
QT board

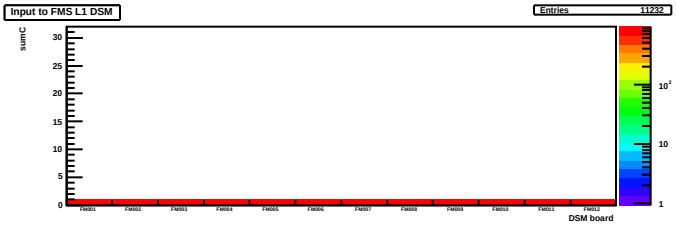

Input to FMS L0 DSM
Entries 7488
HT ADC - simulated
QT board

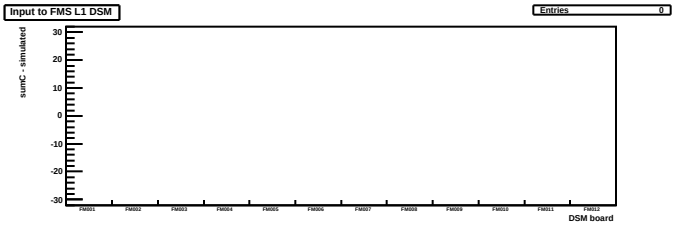

Input to FMS L0 DSM
Entries 44928
HT ID
QT board

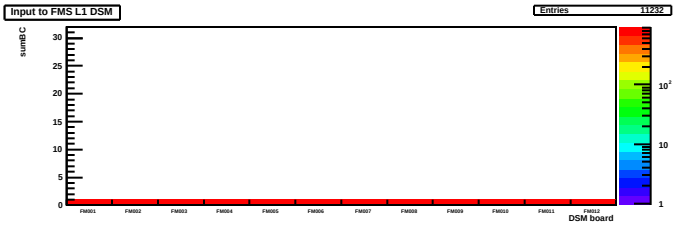

Input to FMS L0 DSM
Entries 7488
HT ID - simulated
QT board

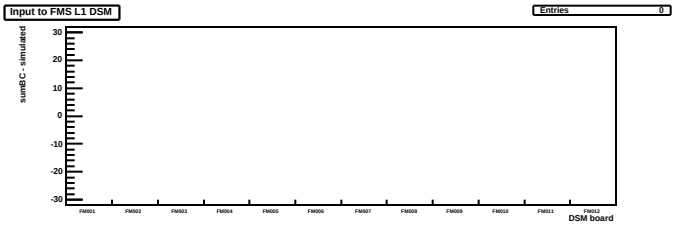

Input to FMS L1 DSM
Entries 11232
sumD
DSM board

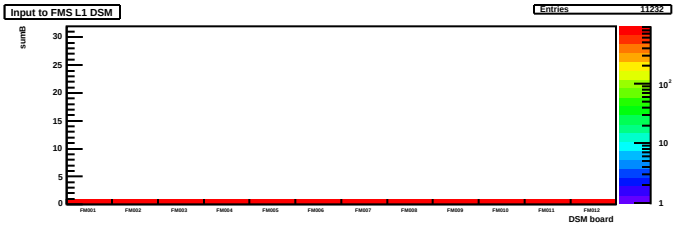

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

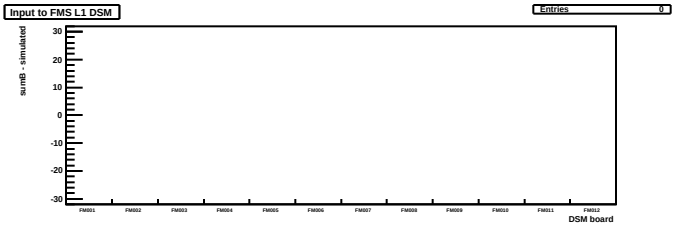

Input to FMS L1 DSM
Entries 11232
sumC
DSM board

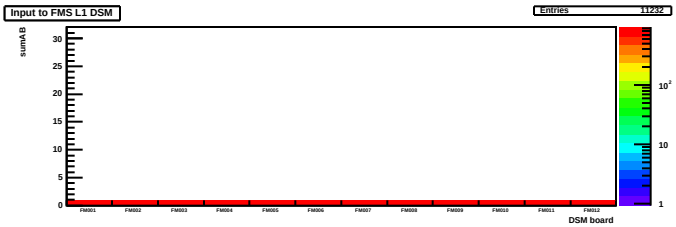

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

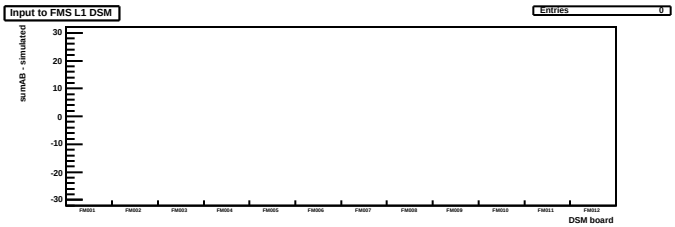

Input to FMS L1 DSM
Entries 11232
sumBC
DSM board

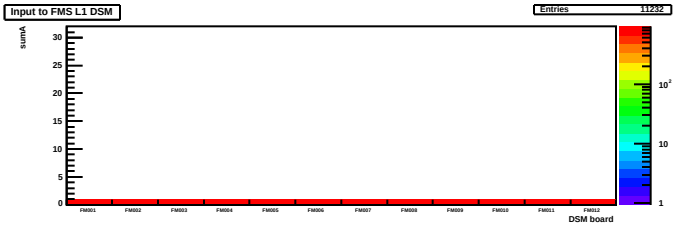

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

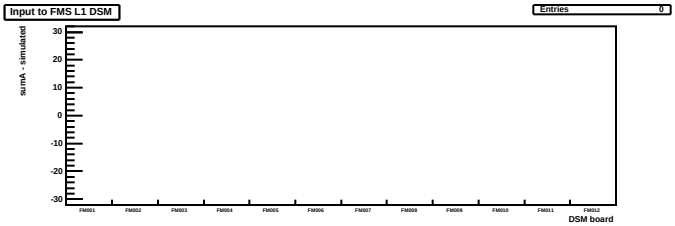

Input to FMS L1 DSM
Entries 11232
sumB
DSM board

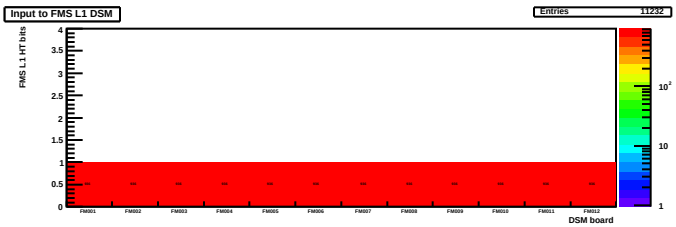

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

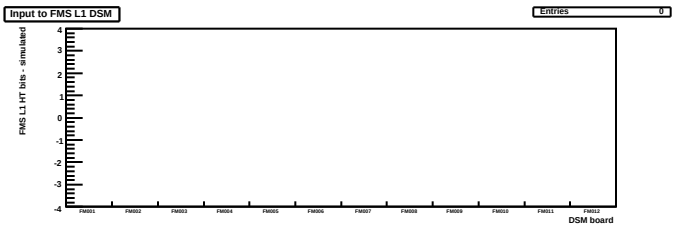

Input to FMS L1 DSM
Entries 11232
sumAB
DSM board

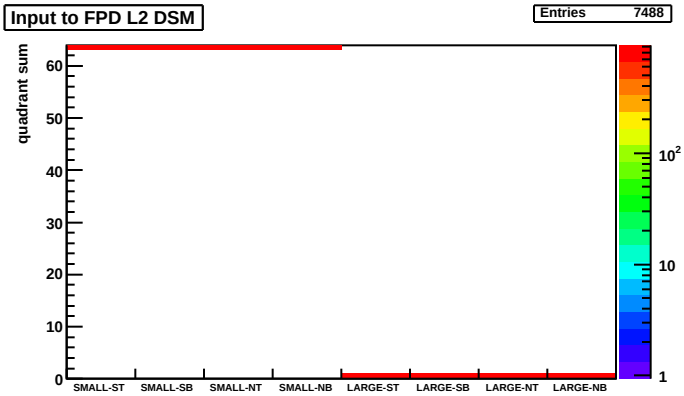

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

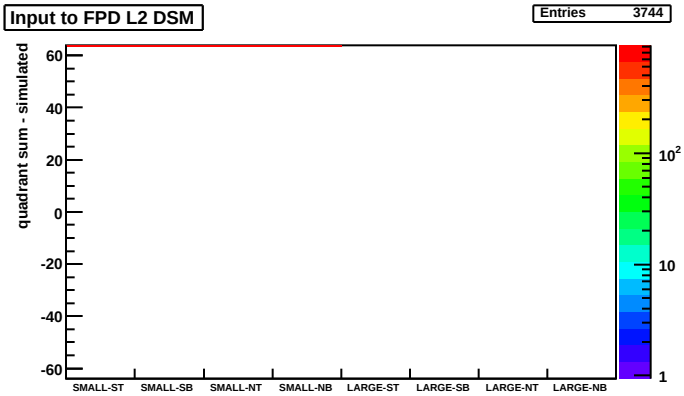

Input to FMS L1 DSM
Entries 11232
sumA
DSM board

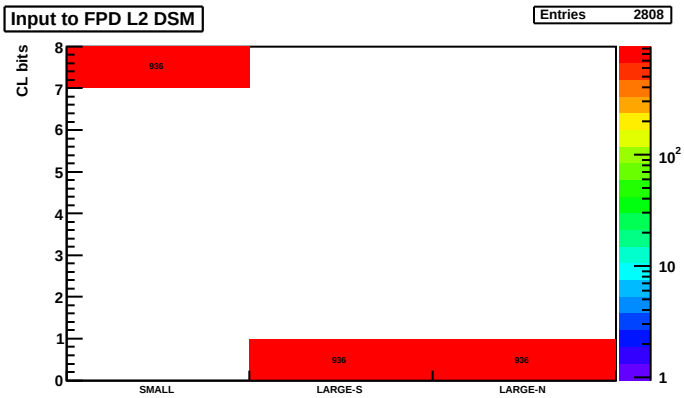

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

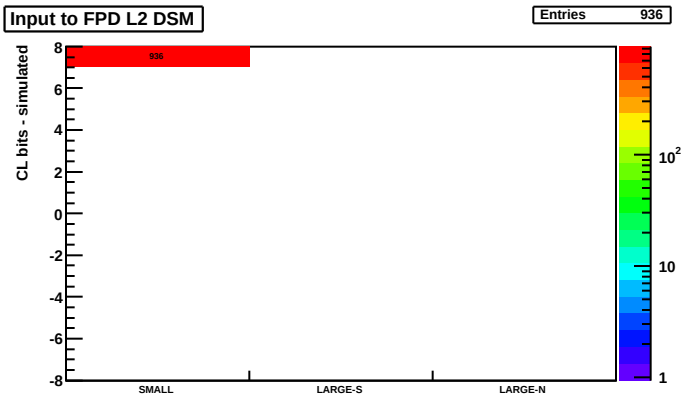

Input to FMS L1 DSM
Entries 11232
FMS L1 HT bits
DSM board

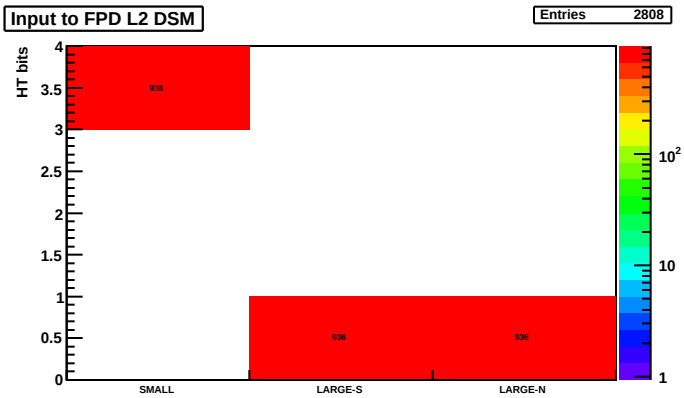

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

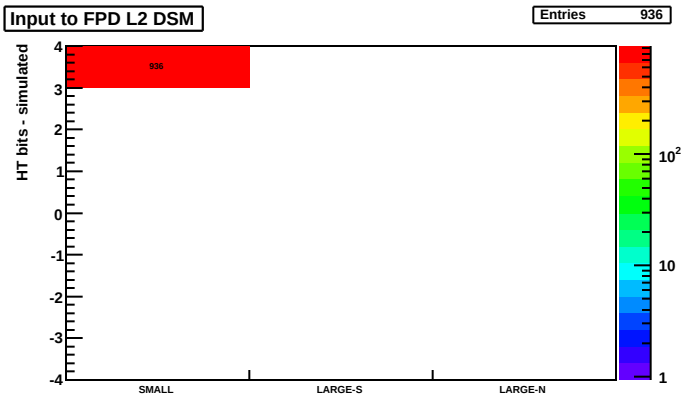

Input to FPD L2 DSM
Entries 7488
quadrant sum
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

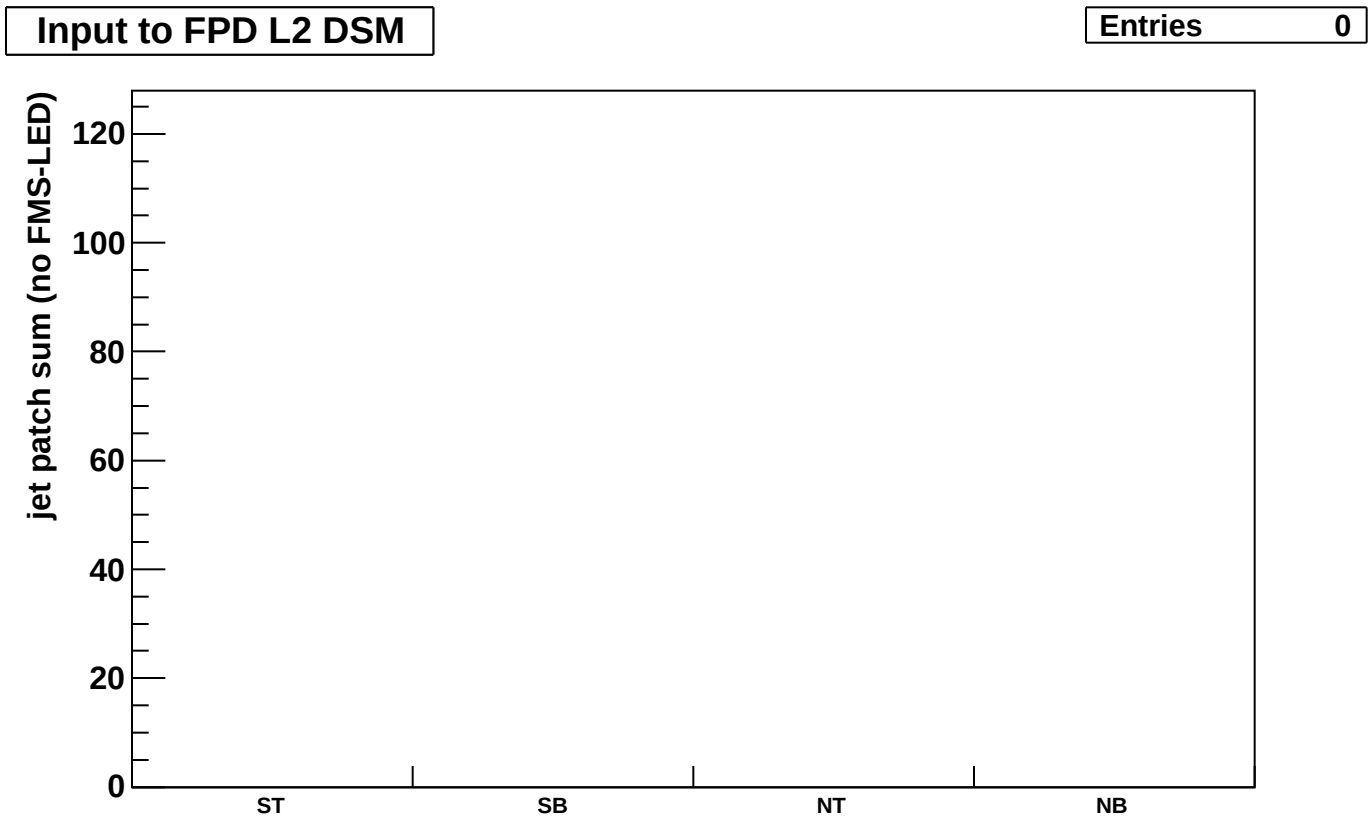

Input to FPD L2 DSM
Entries 3744
quadrant sum - simulated
SMALL-ST SMALL-SB SMALL-NT SMALL-NB LARGE-ST LARGE-SB LARGE-NT LARGE-NB

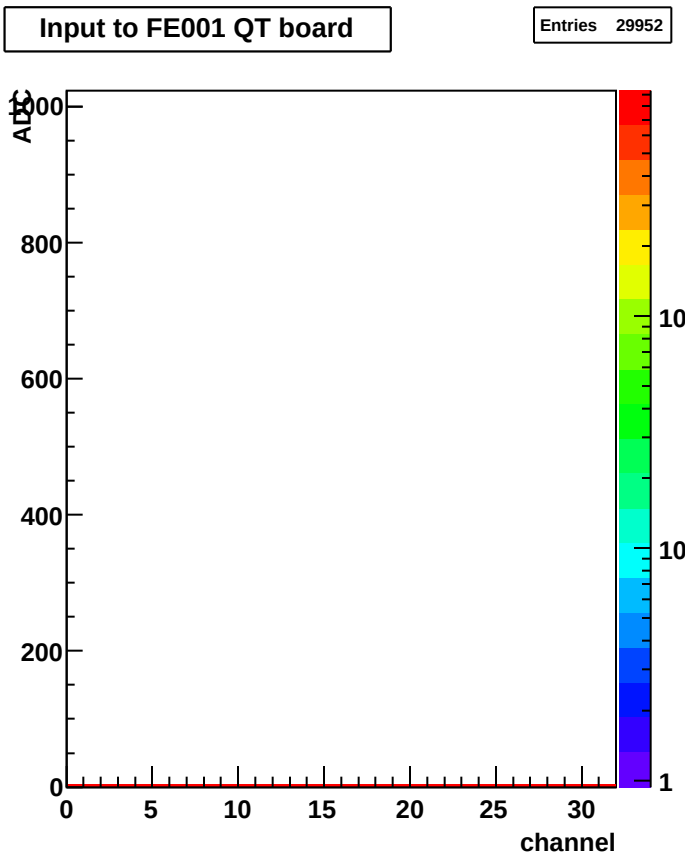

Input to FPD L2 DSM
Entries 2808
CL bits
936
936
936
SMALL LARGE-S LARGE-N

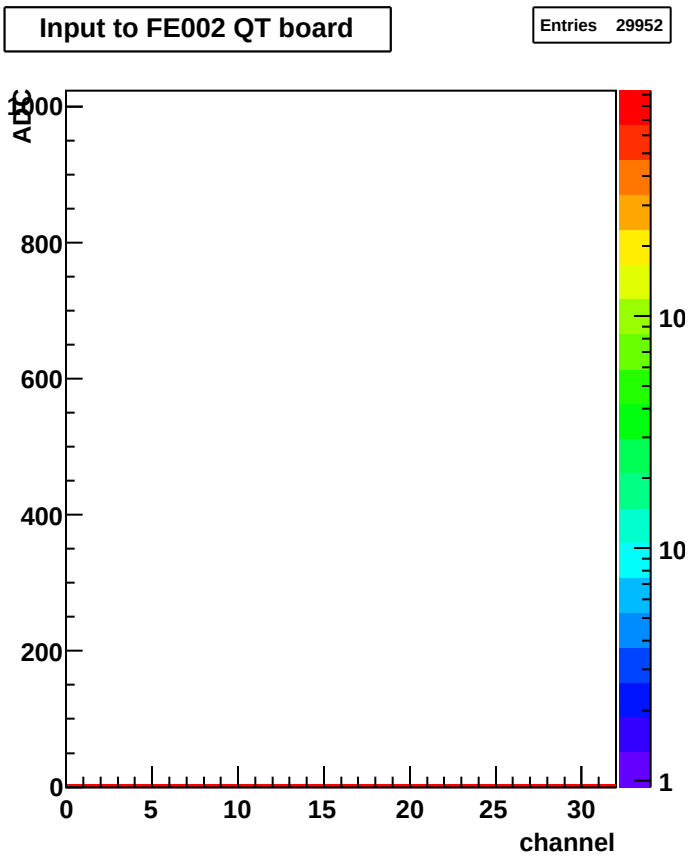

Input to FPD L2 DSM
Entries 936
CL bits - simulated
936
SMALL LARGE-S LARGE-N

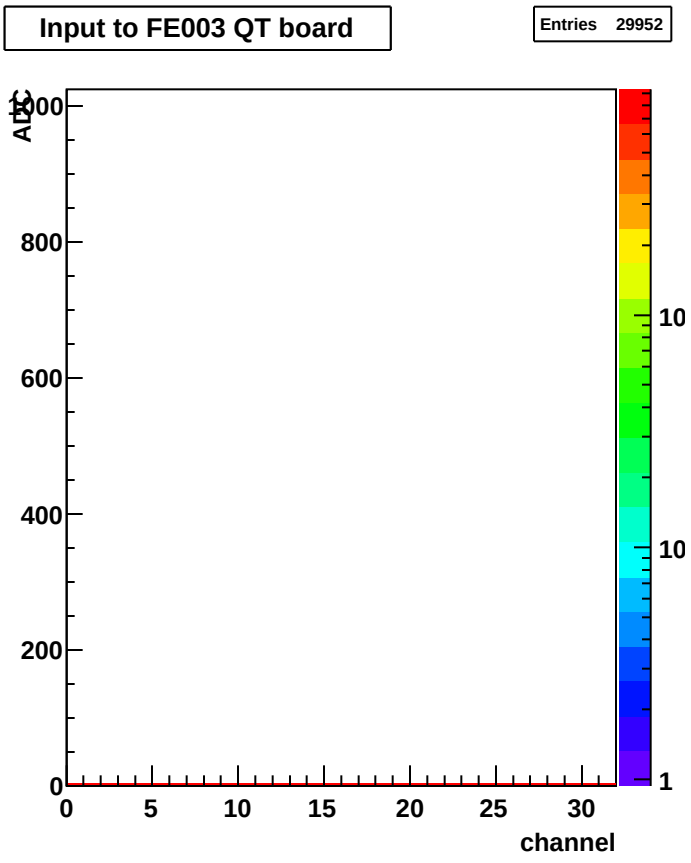

Input to FPD L2 DSM
Entries 2808
HT bits
936
936
936
SMALL LARGE-S LARGE-N

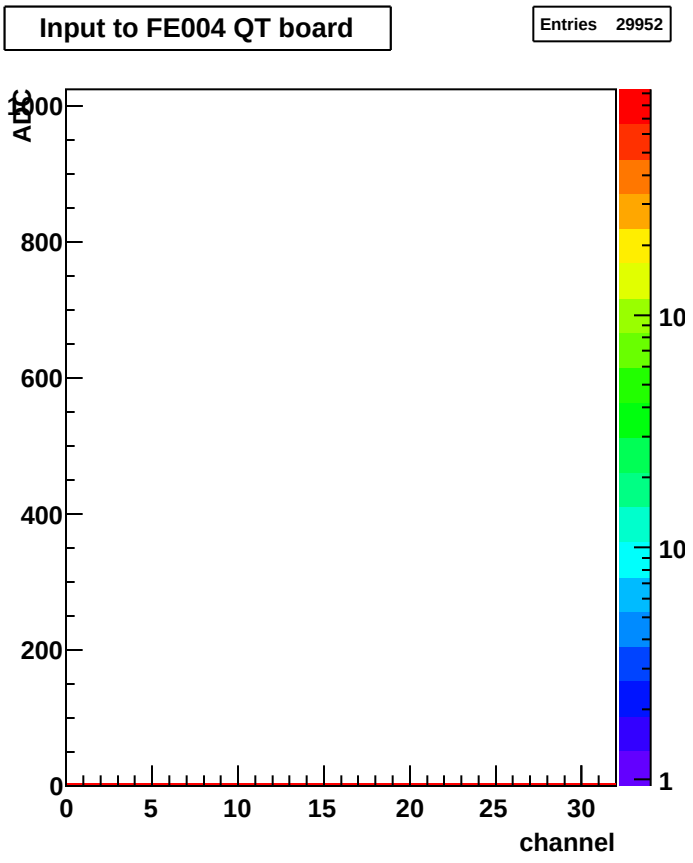

Input to FPD L2 DSM
Entries 936
HT bits - simulated
936
SMALL LARGE-S LARGE-N

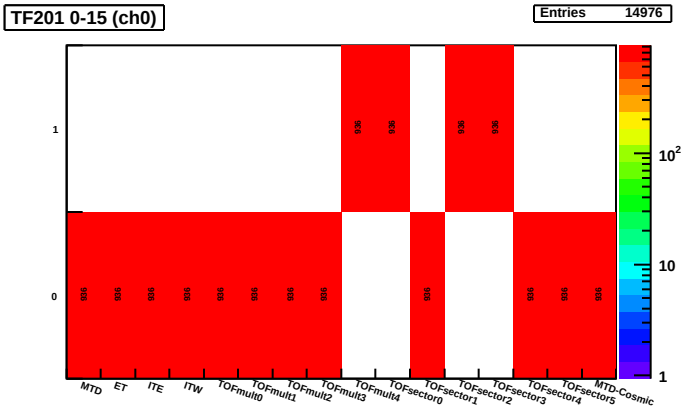

Input to FPD L2 DSM
Entries 0
jet patch sum (no FMS-LED)
120
100
80
60
40
20
0
ST
SB
NT
NB

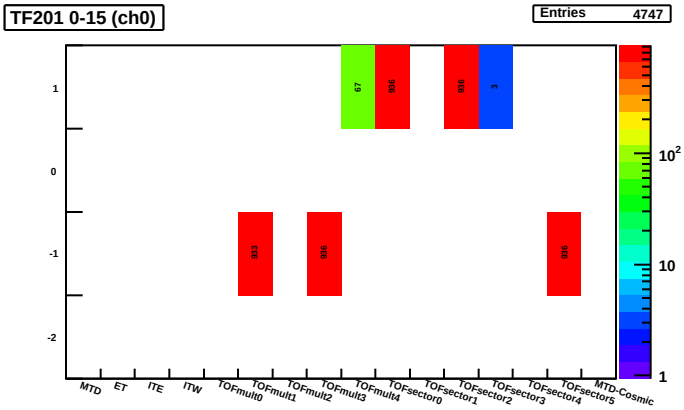

Input to FE001 QT board
Entries 29952
ADC
channel

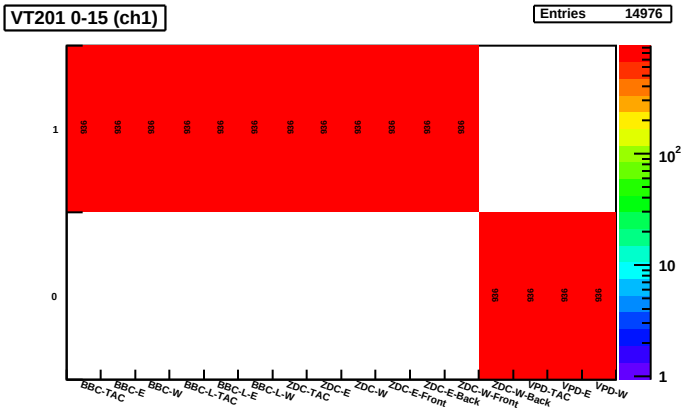

Input to FE002 QT board
Entries 29952
ADC
channel

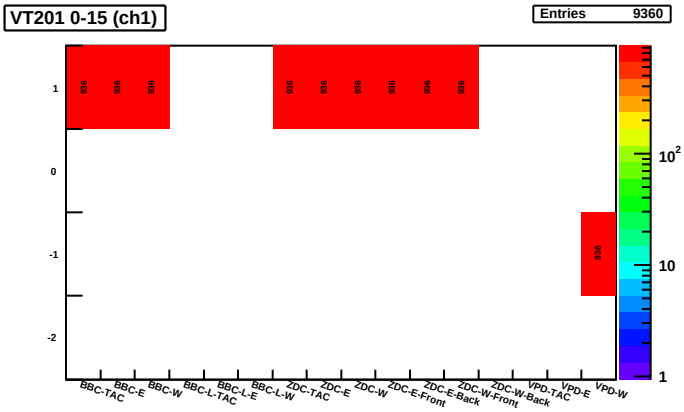

Input to FE003 QT board
Entries 29952
ADC
channel

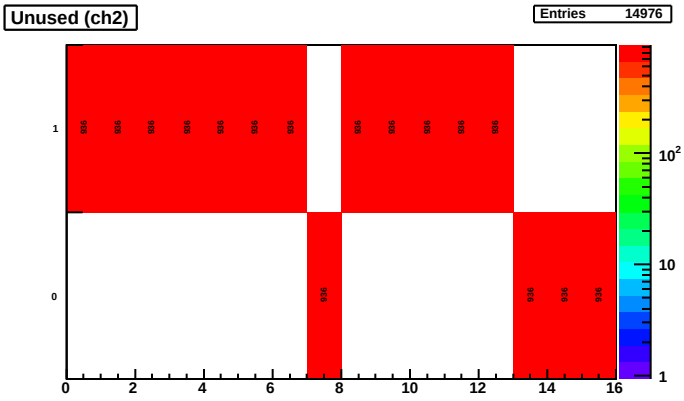

Input to FE004 QT board
Entries 29952
ADC
channel

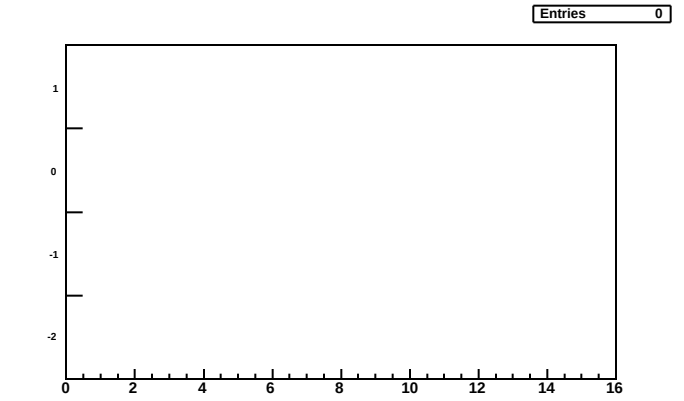

TF201 0-15 (ch0)
Entries 14976
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

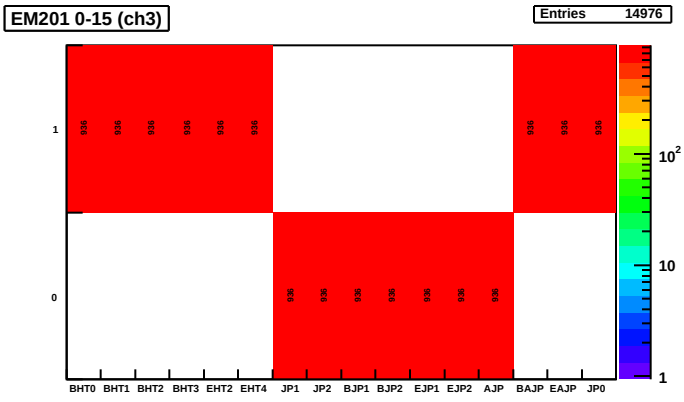

TF201 0-15 (ch0)
Entries 4747
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

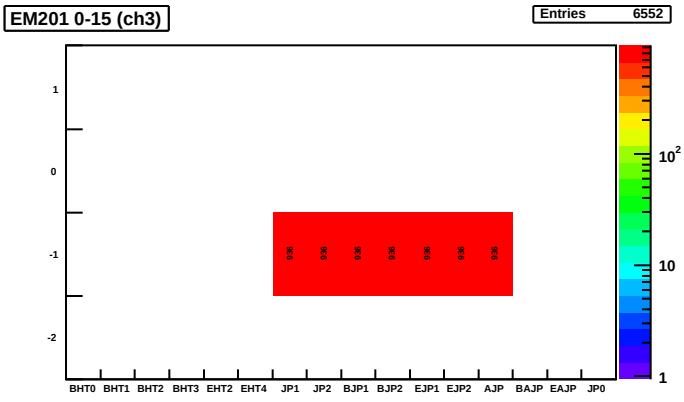

VT201 0-15 (ch1)
Entries 14976
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 9360
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W

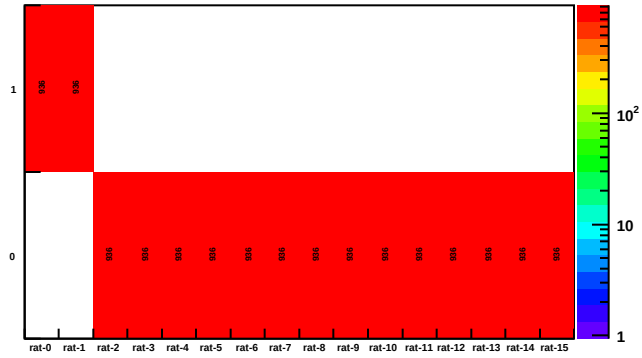

Unused (ch2)
Entries 14976

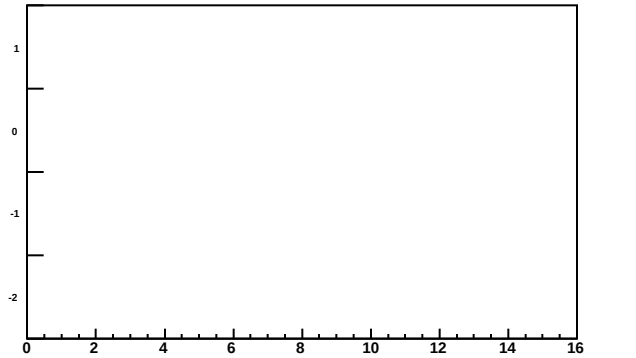

Entries 0


EM201 0-15 (ch3)
Entries 14976
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

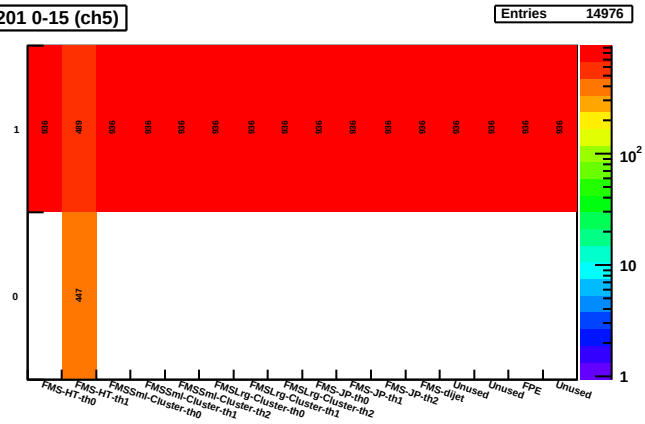

EM201 0-15 (ch3)
Entries 6552
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

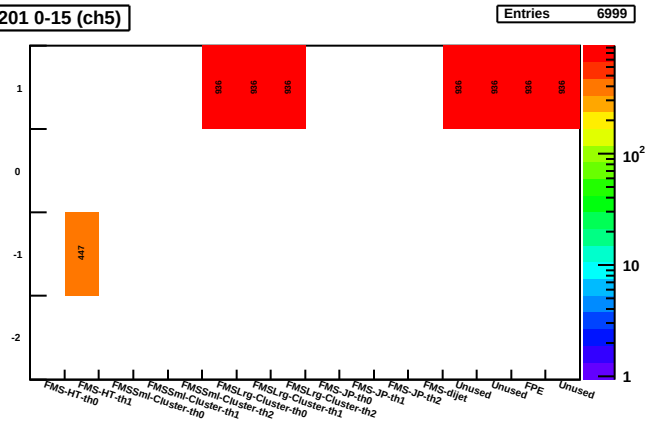




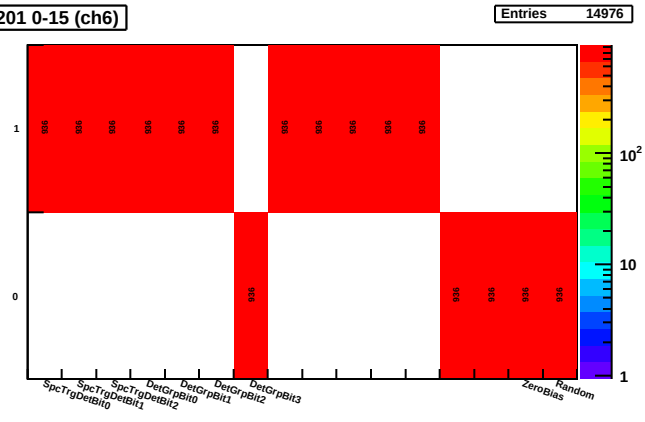
FP201 0-15 (ch5)

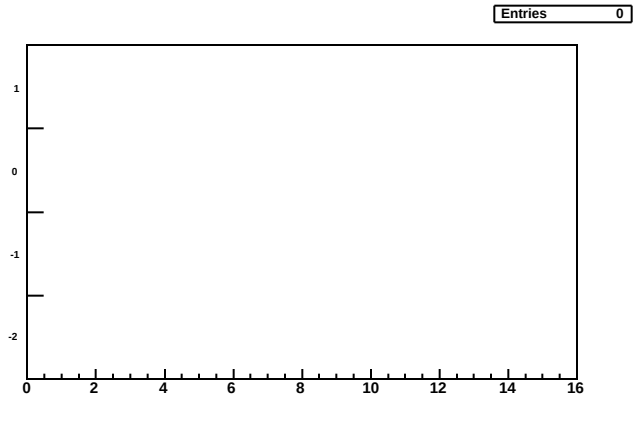
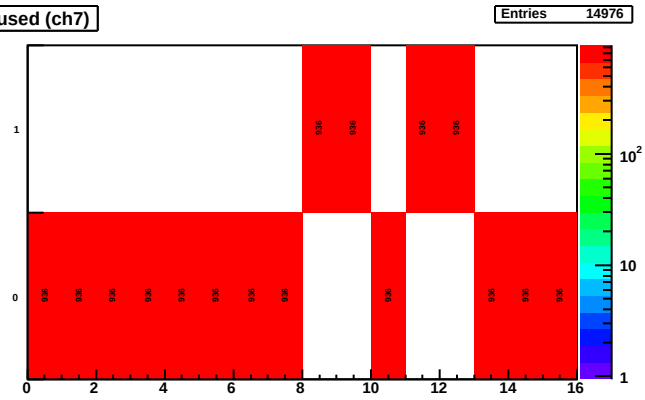
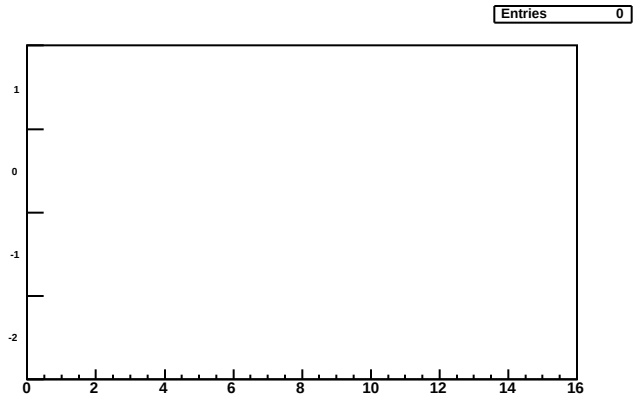


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)