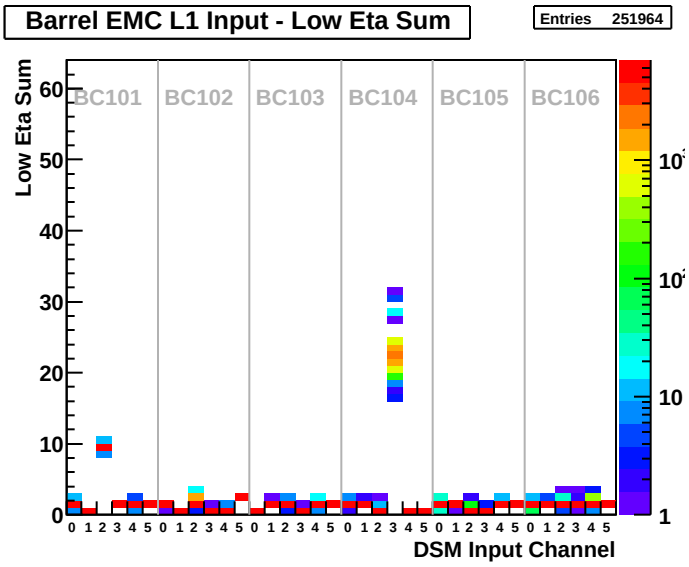
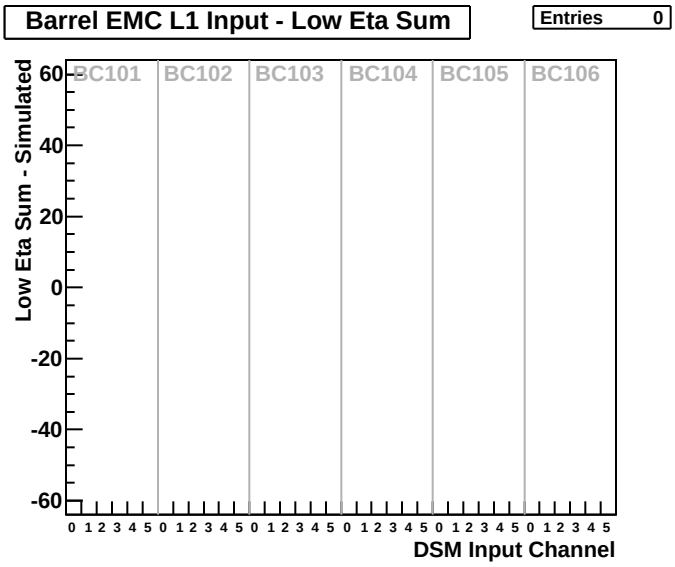
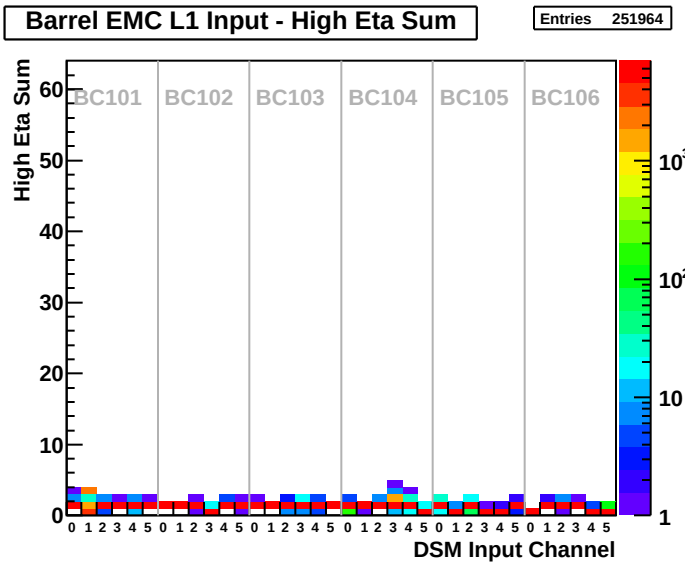
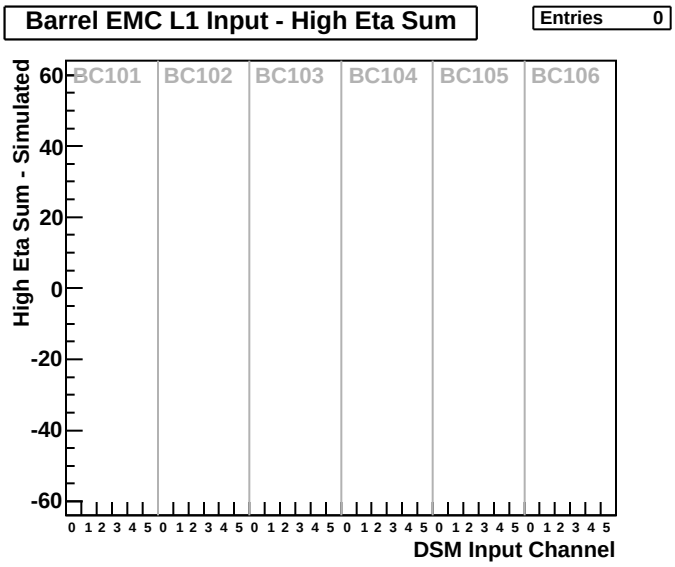
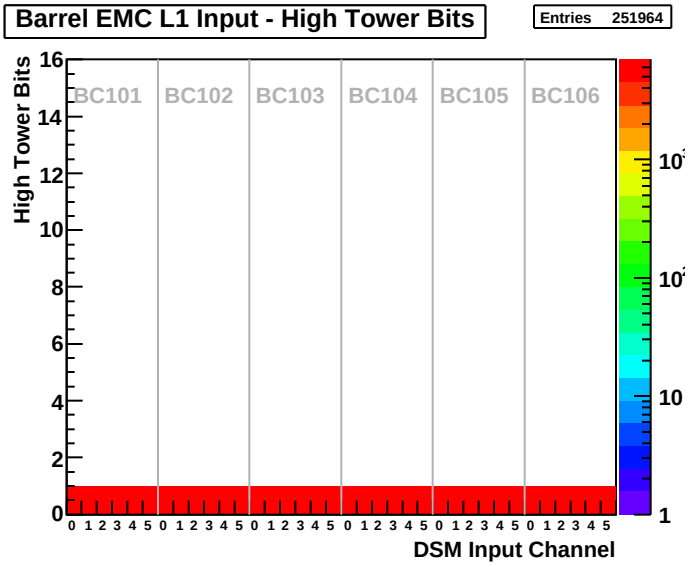
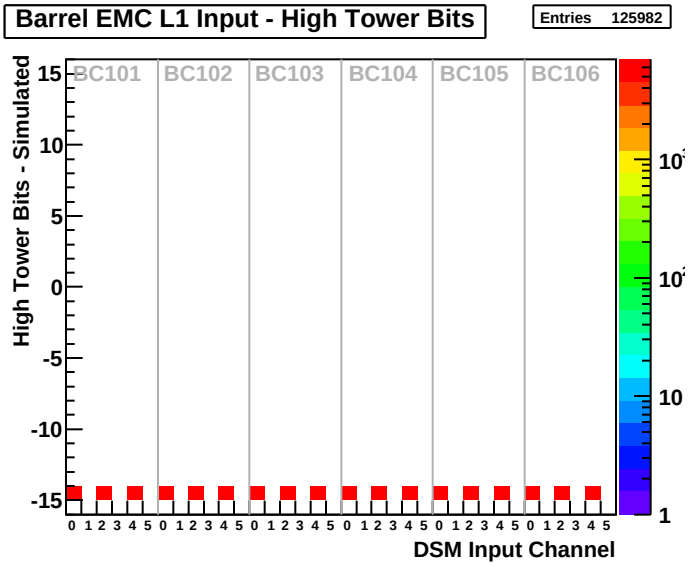

Barrel EMC L1 Input - Low Eta Sum
Entries 251964
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

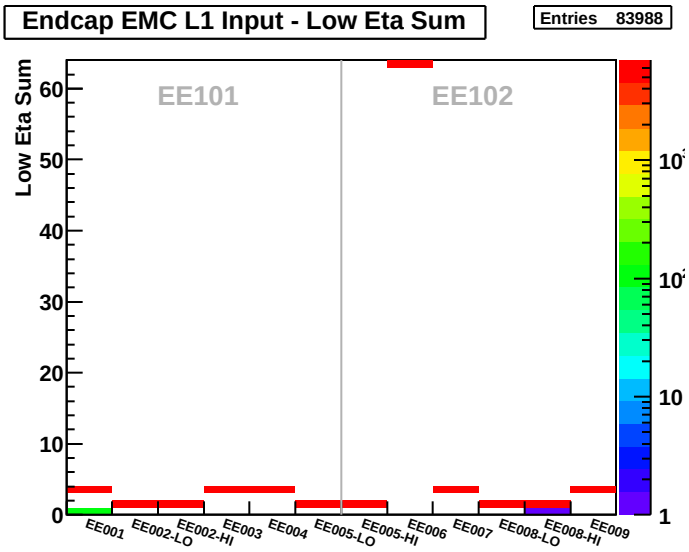

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

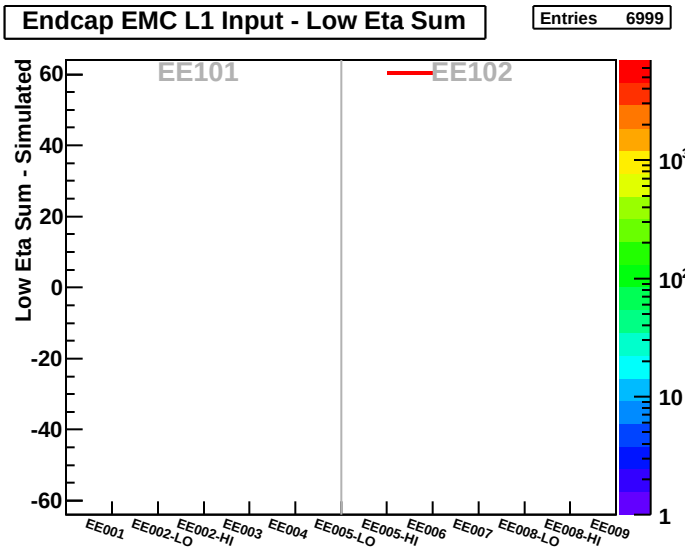

Barrel EMC L1 Input - High Eta Sum
Entries 251964
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

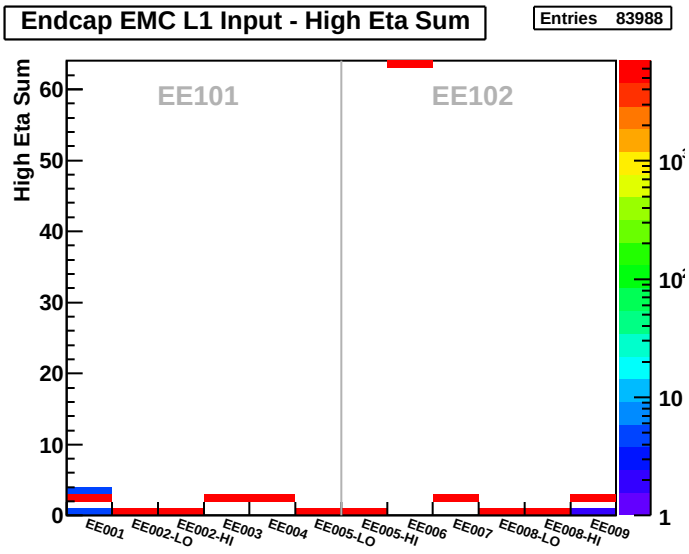

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

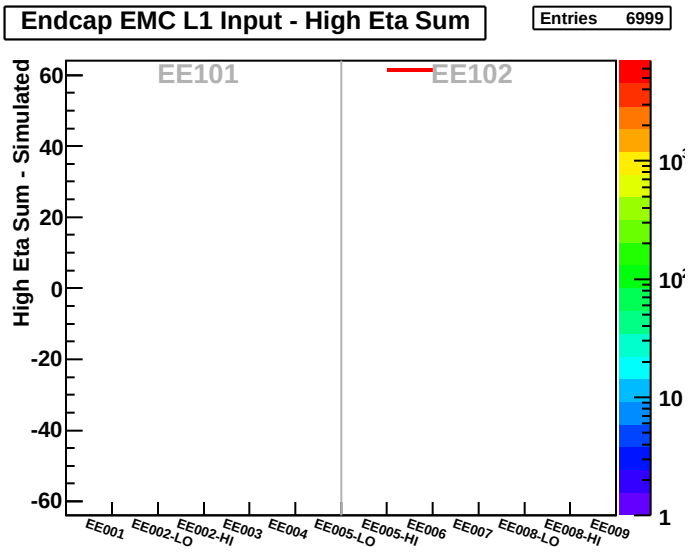

Barrel EMC L1 Input - High Tower Bits
Entries 251964
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

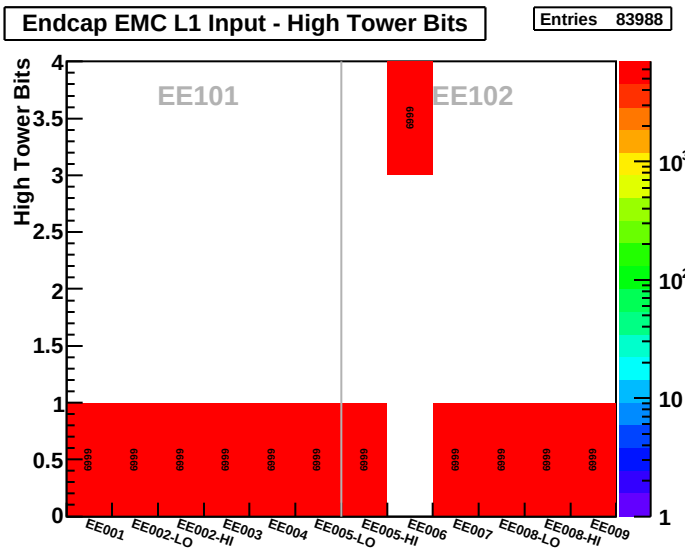

Barrel EMC L1 Input - High Tower Bits
Entries 125982
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

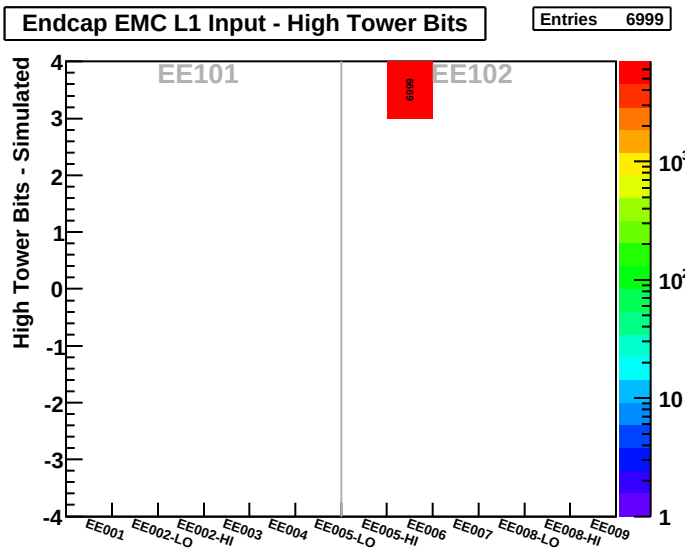

Endcap EMC L1 Input - Low Eta Sum
Entries 83988
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

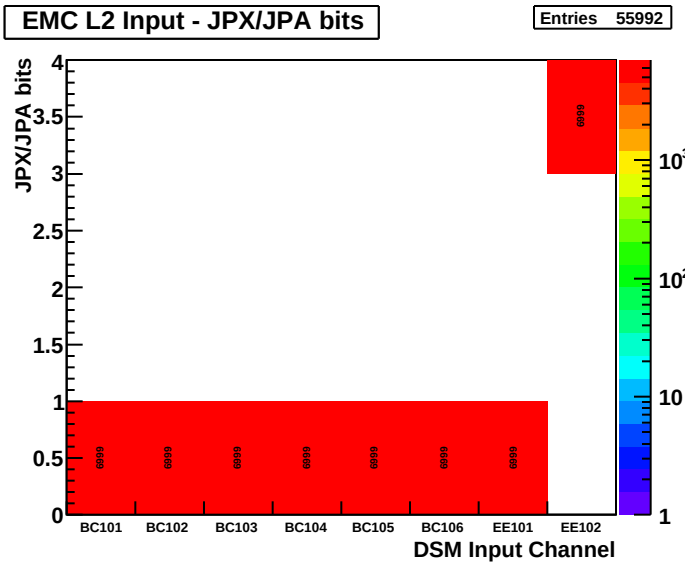

Endcap EMC L1 Input - Low Eta Sum
Entries 6999
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

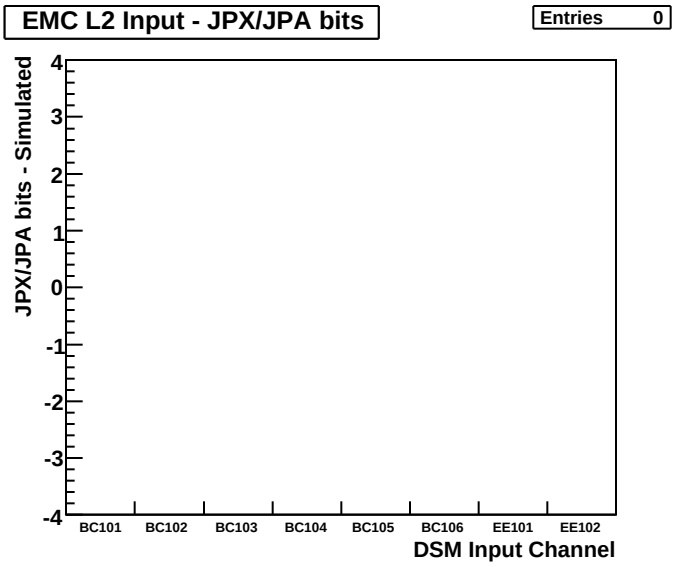

Endcap EMC L1 Input - High Eta Sum
Entries 83988
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

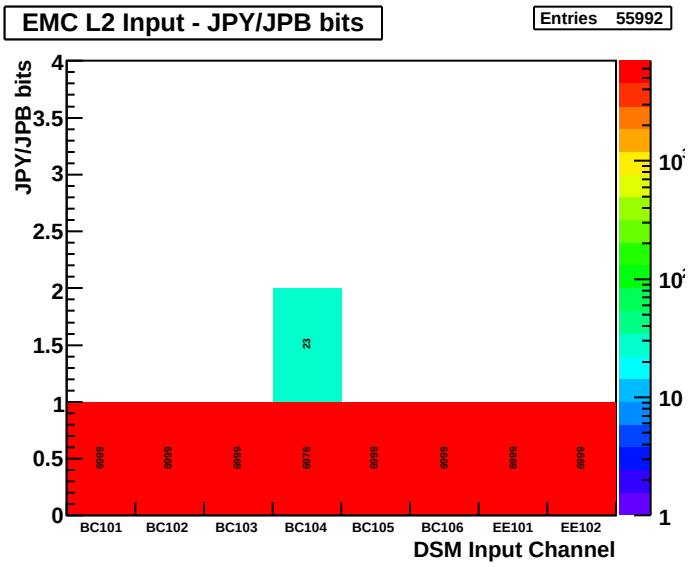

Endcap EMC L1 Input - High Eta Sum
Entries 6999
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

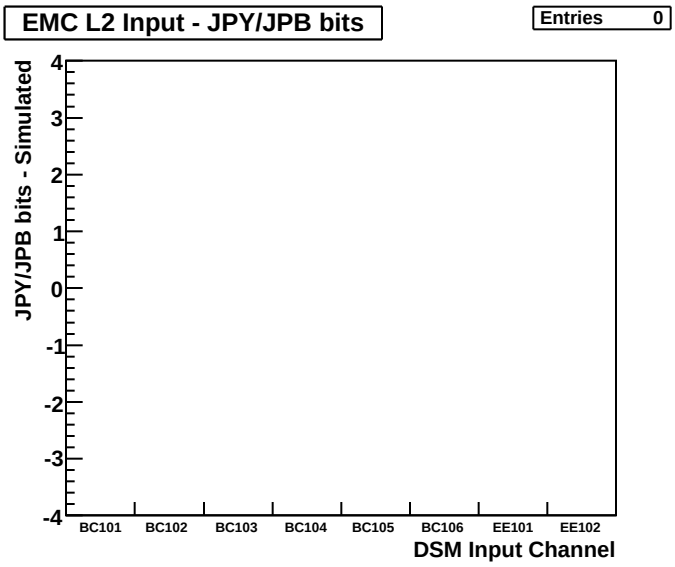

Endcap EMC L1 Input - High Tower Bits
Entries 83988
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

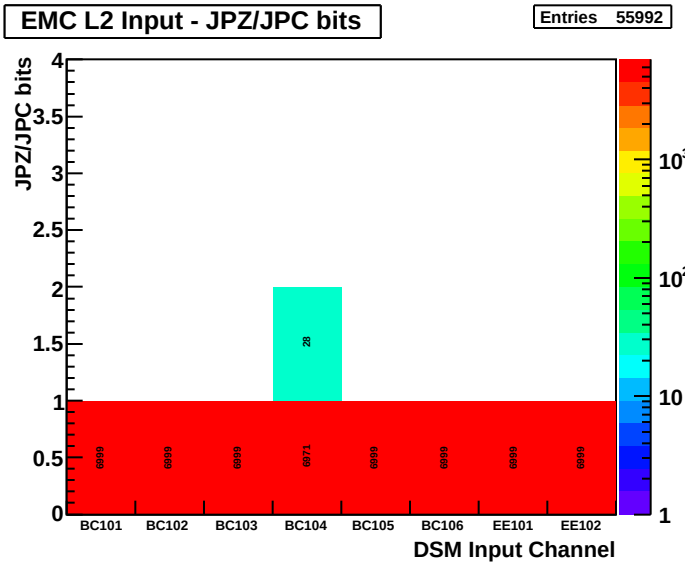

Endcap EMC L1 Input - High Tower Bits
Entries 6999
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

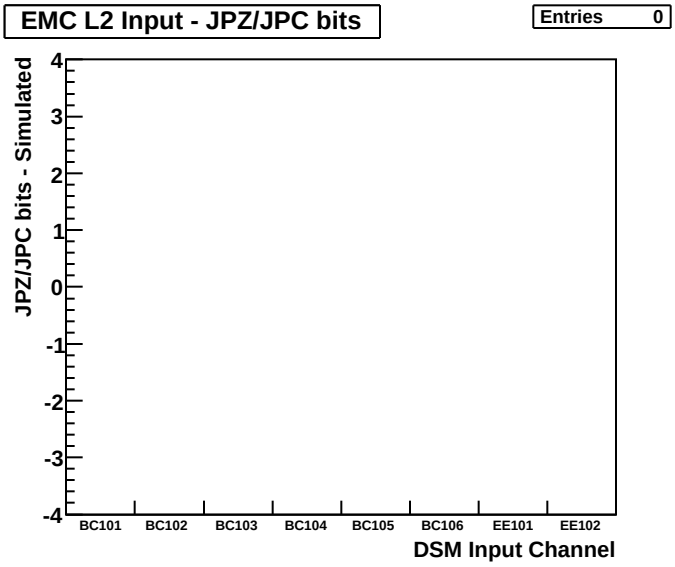

EMC L2 Input - JPX/JPA bits
Entries 55992
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
6999

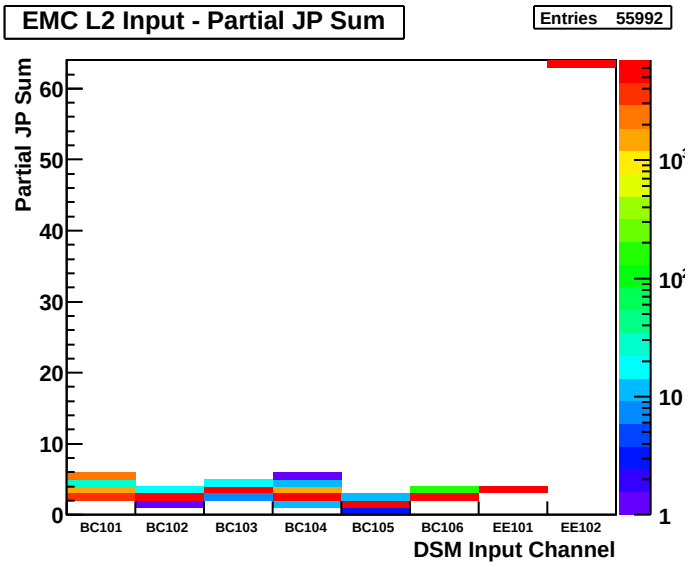

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

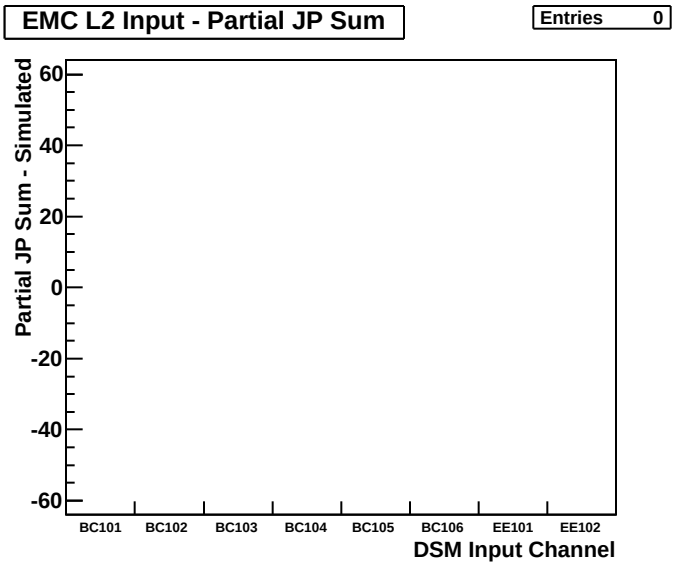

EMC L2 Input - JPY/JPB bits
Entries 55992
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
6999
23
6976

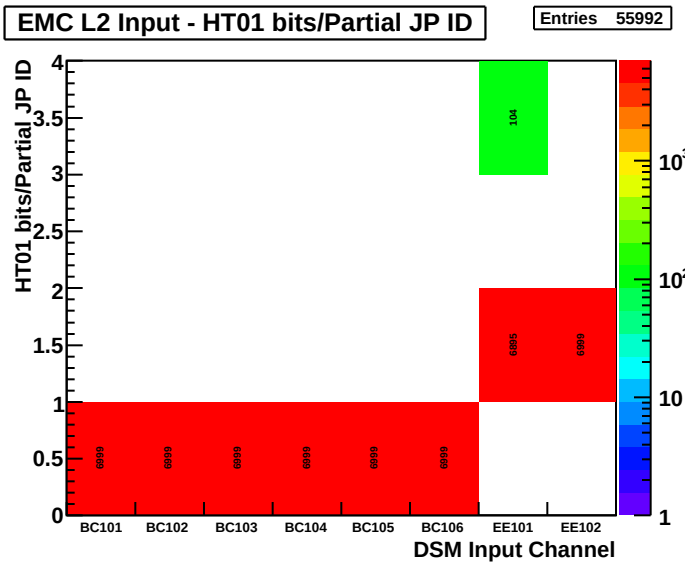

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

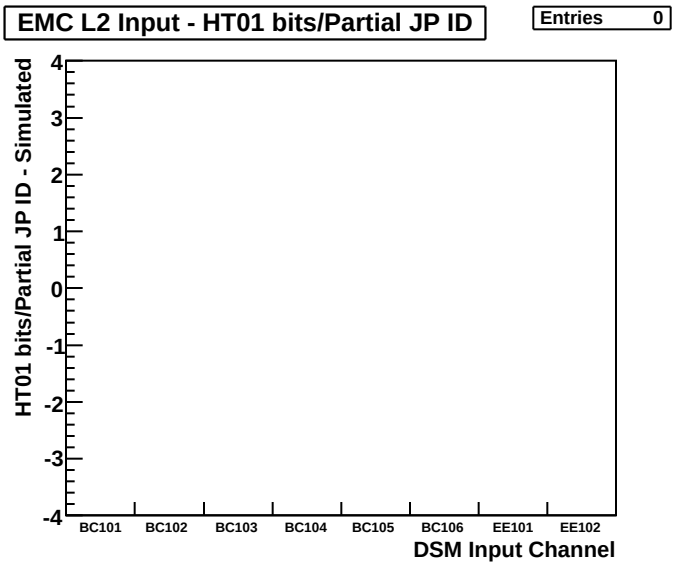

EMC L2 Input - JPZ/JPC bits
Entries 55992
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
6999
28
6971

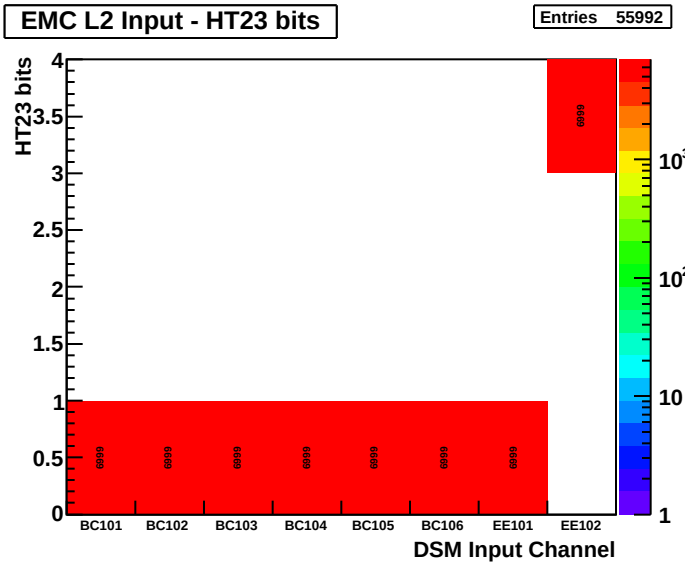

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

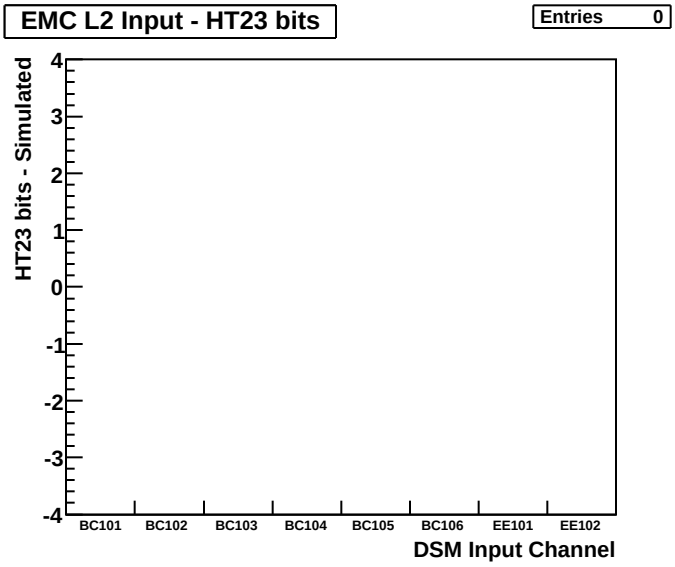

EMC L2 Input - Partial JP Sum
Entries 55992
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

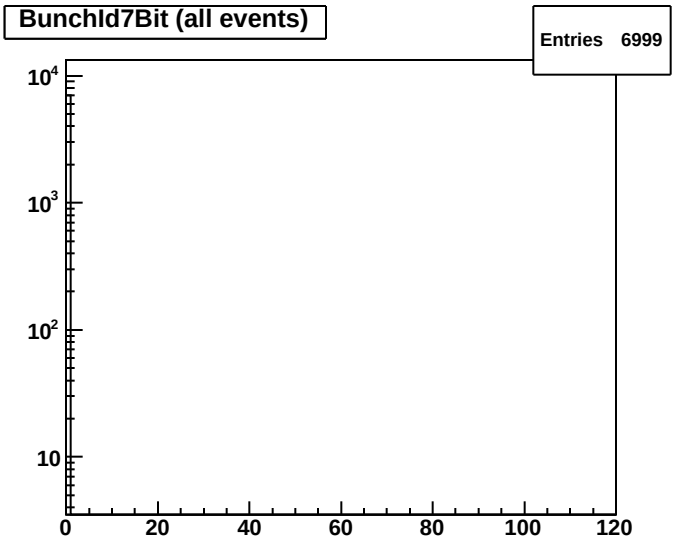

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

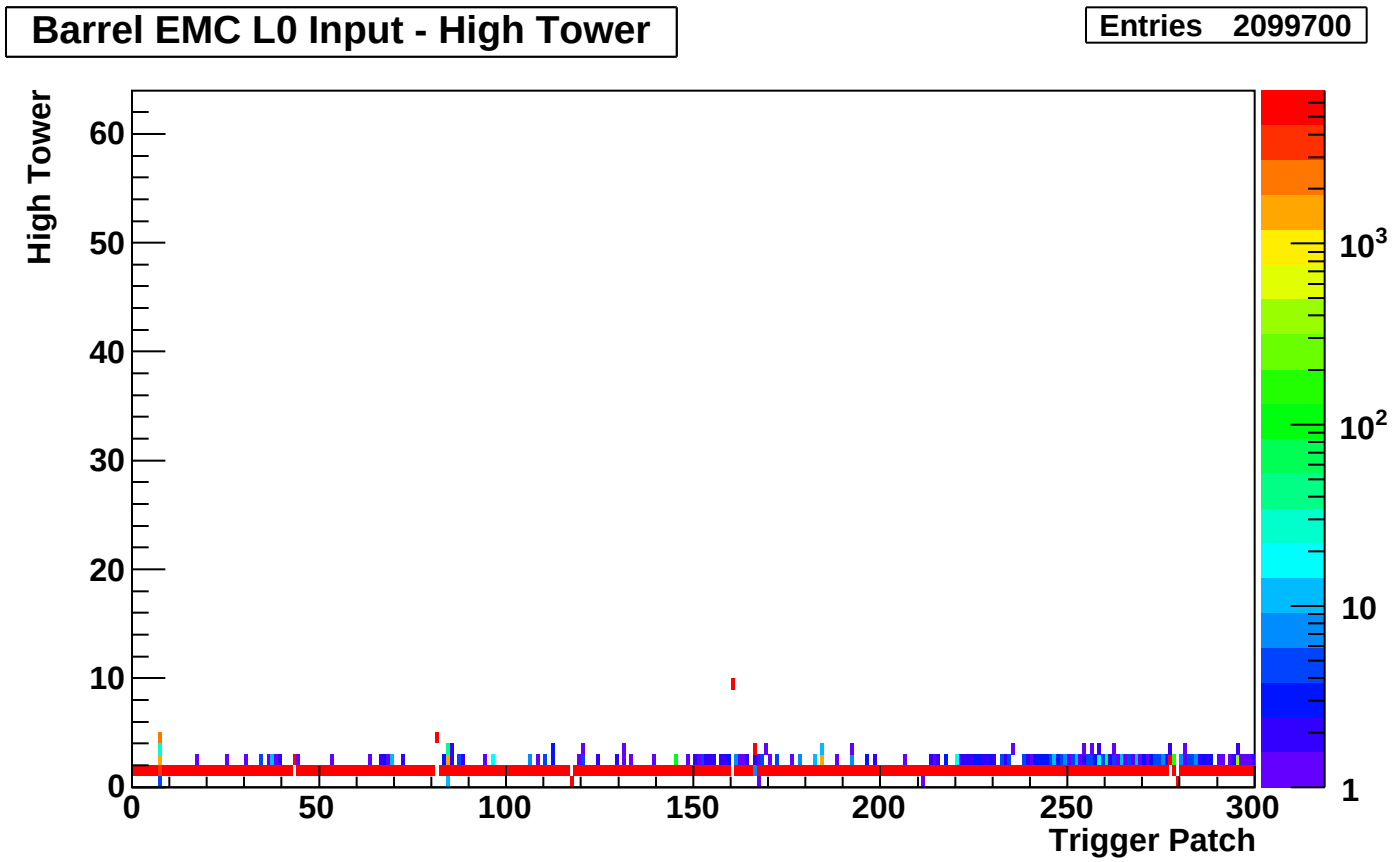

EMC L2 Input - HT01 bits/Partial JP ID
Entries 55992
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

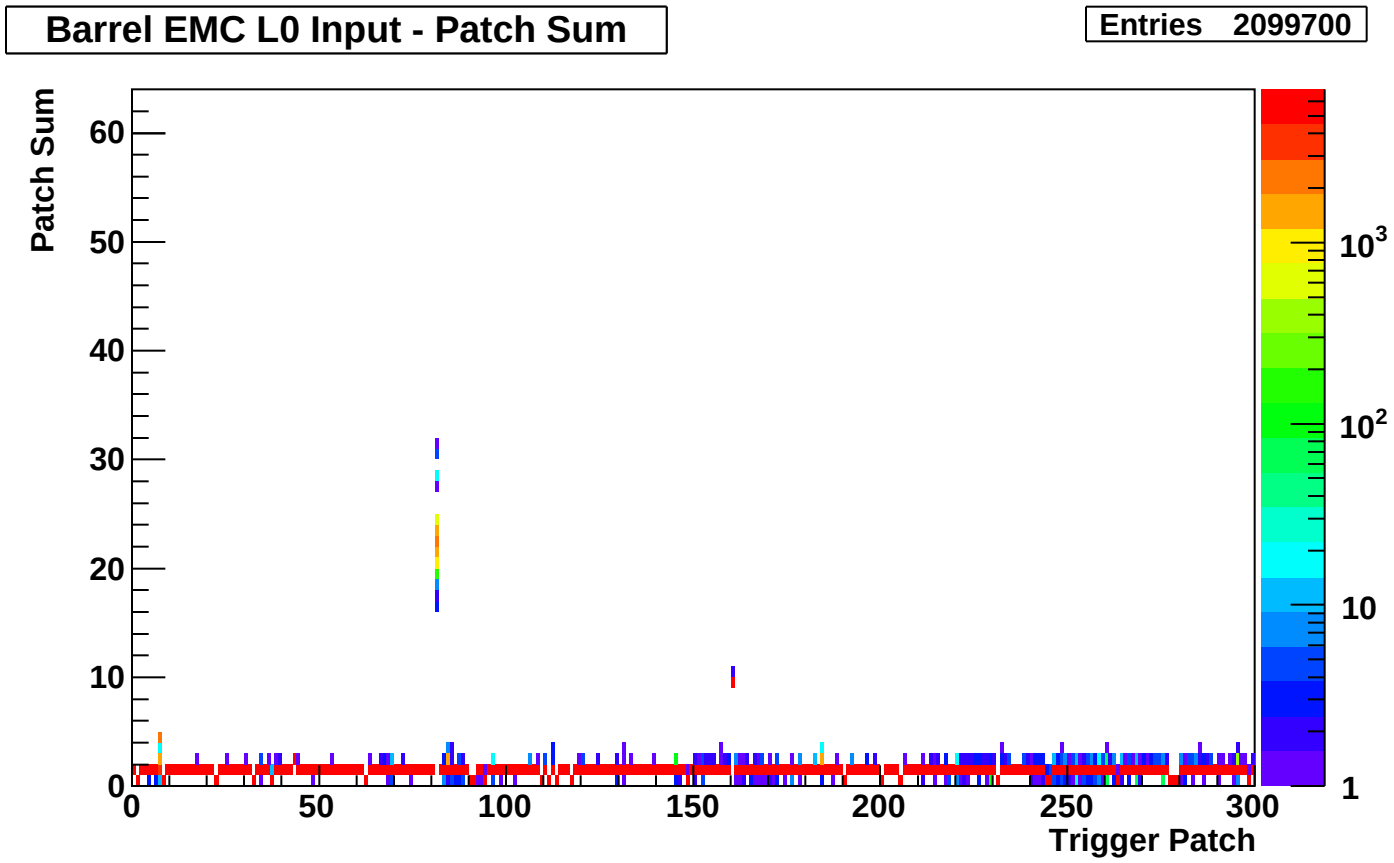

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

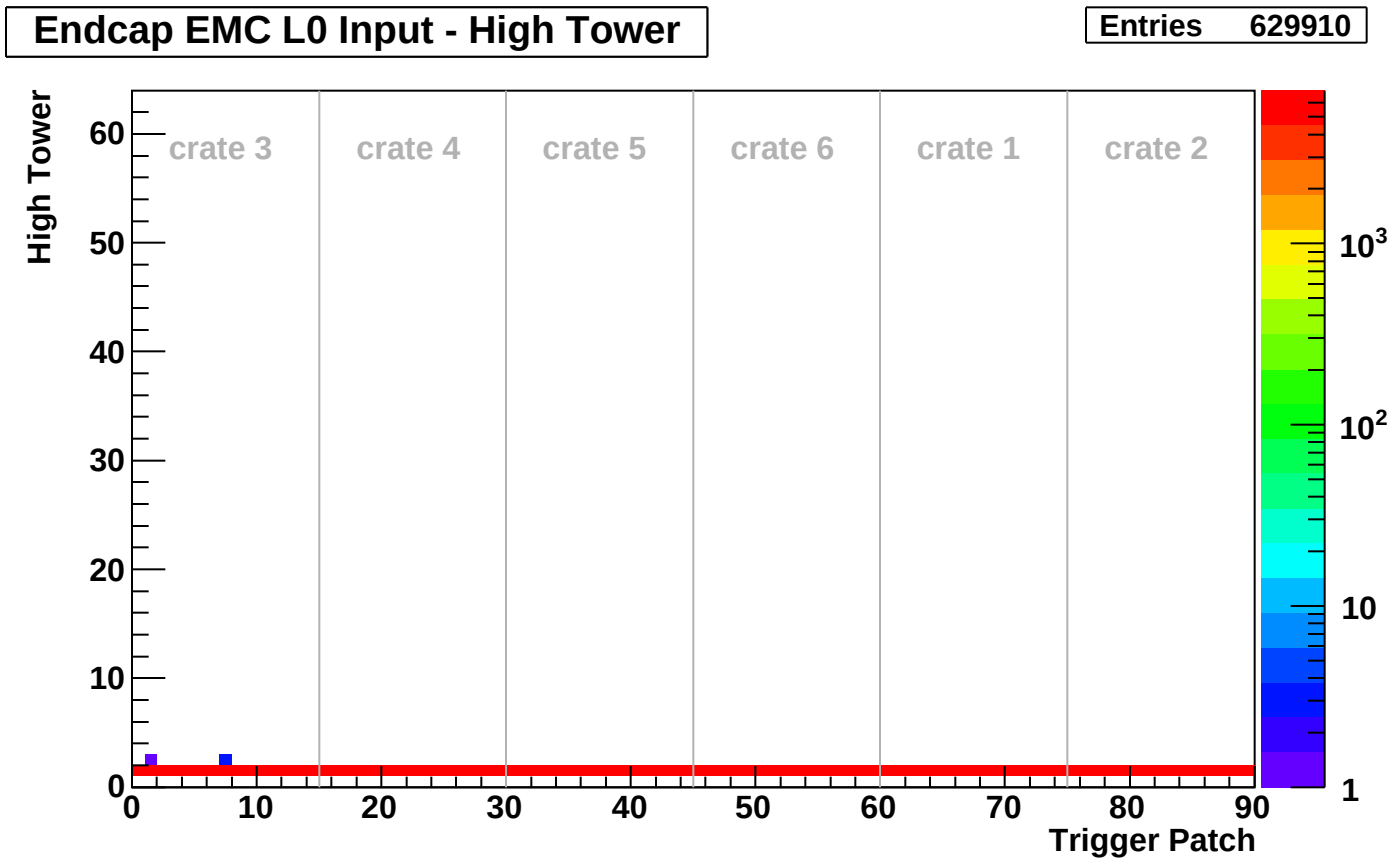

EMC L2 Input - HT23 bits
Entries 55992
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

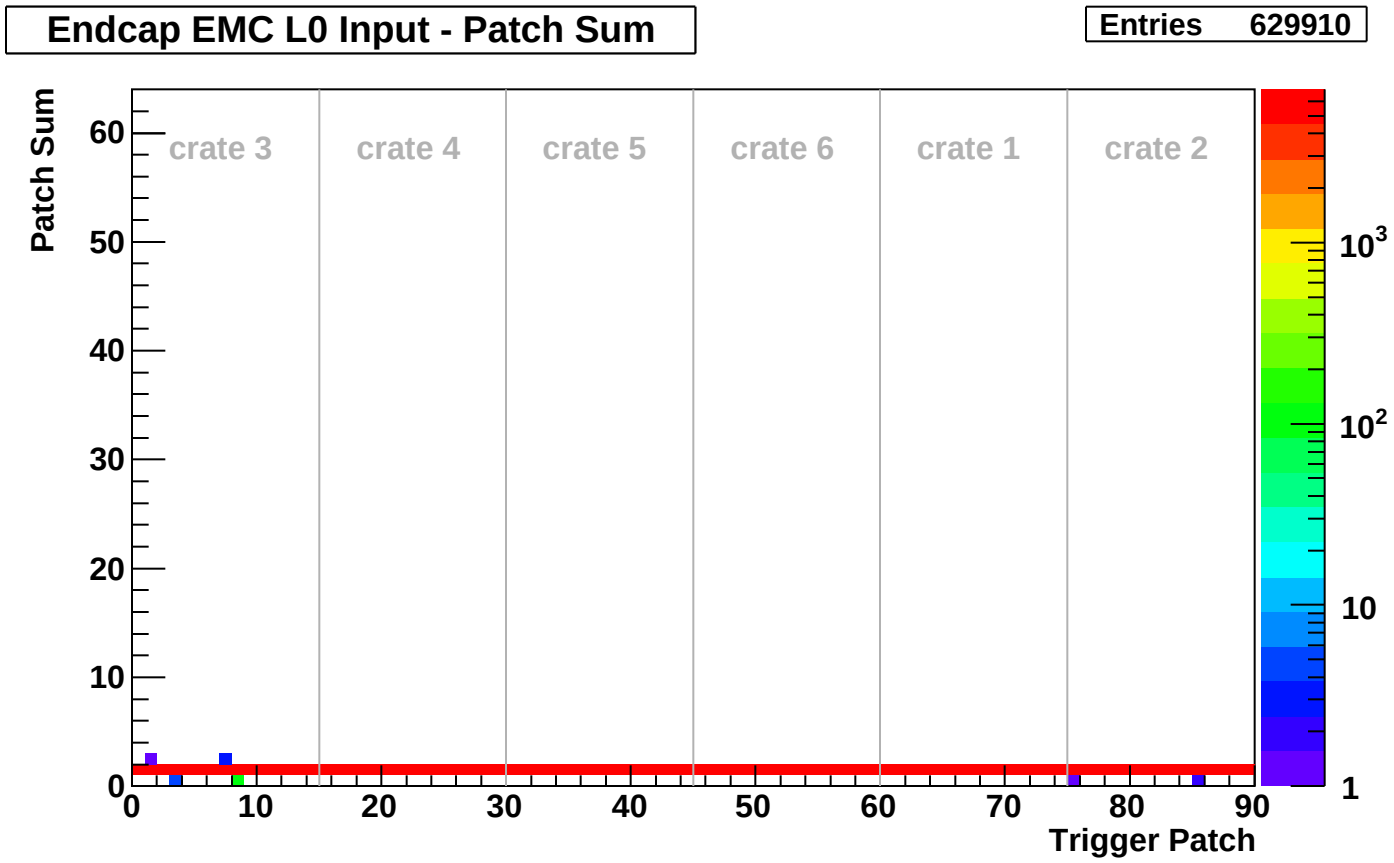

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

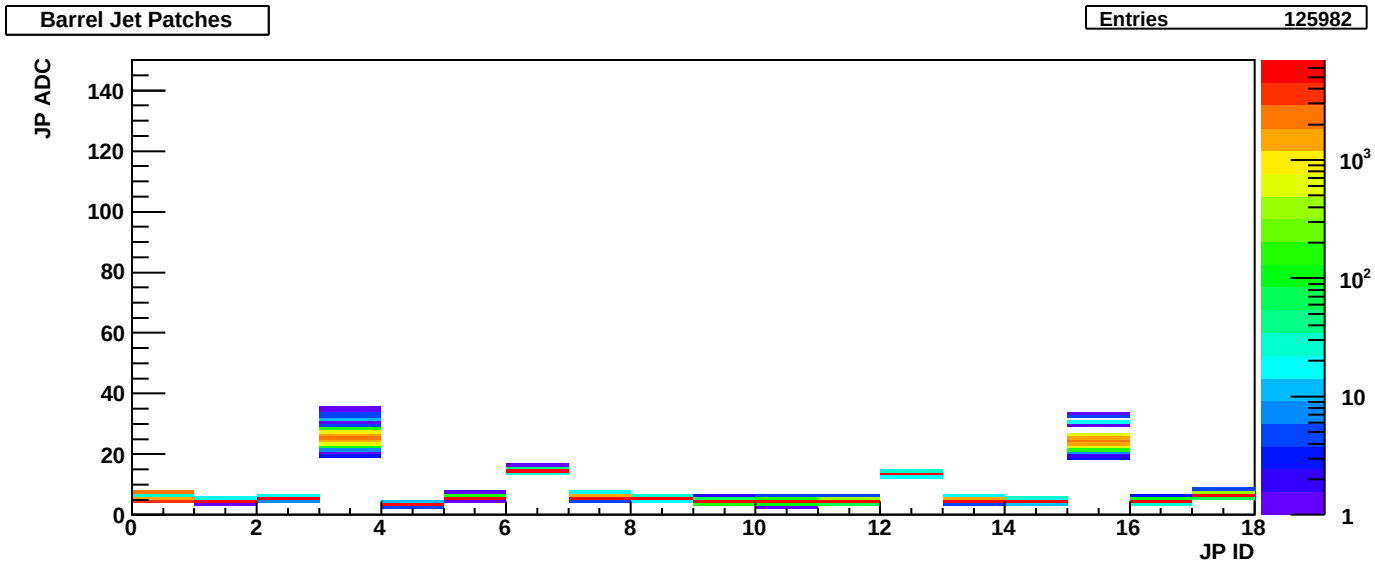

BunchId7Bit (all events)
Entries 6999
10^4
10^3
10^2
10
0
20
40
60
80
100
120

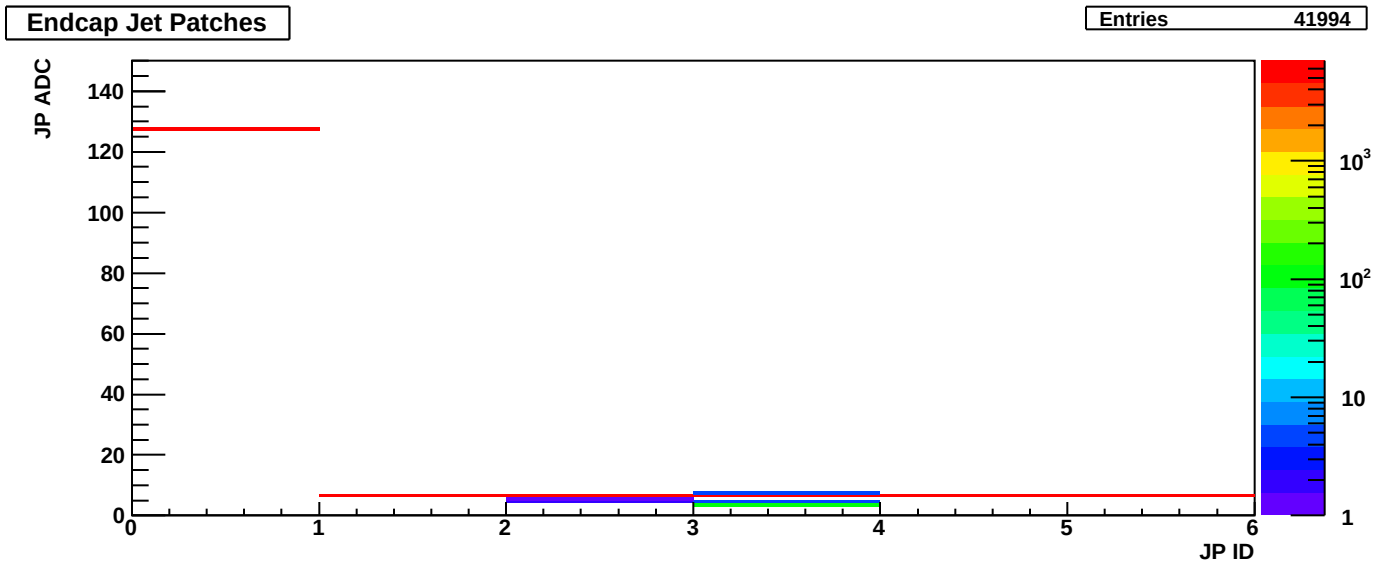

Barrel EMC L0 Input - High Tower
Entries 2099700
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3

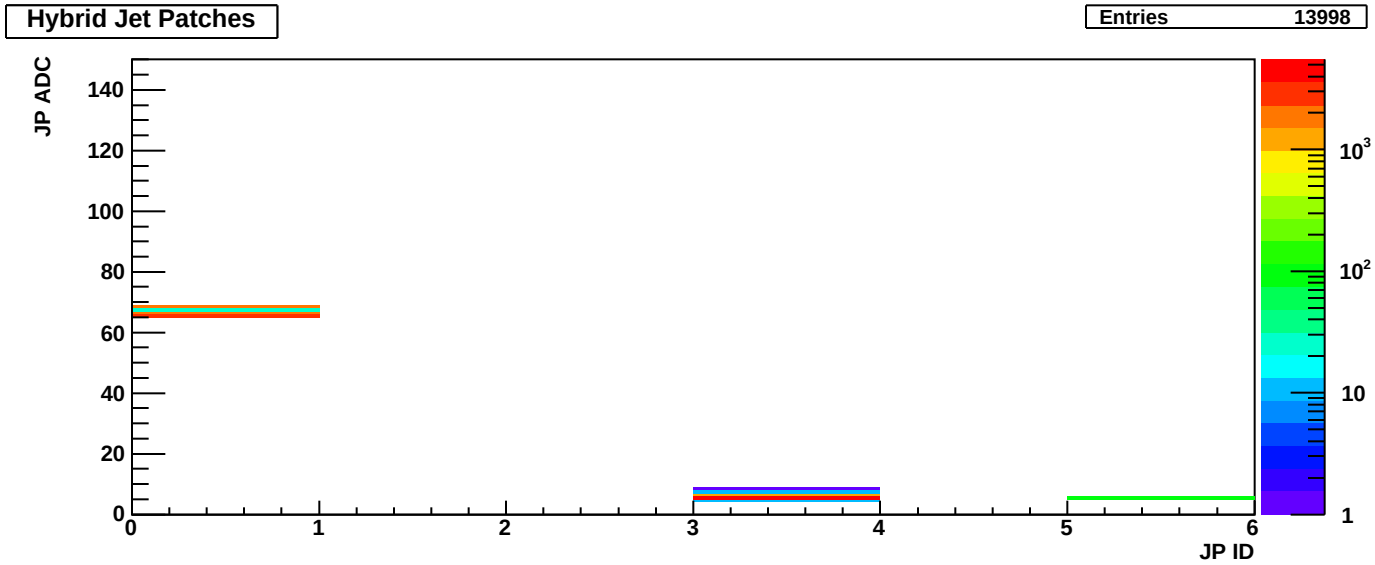

Barrel EMC L0 Input - Patch Sum
Entries 2099700
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3

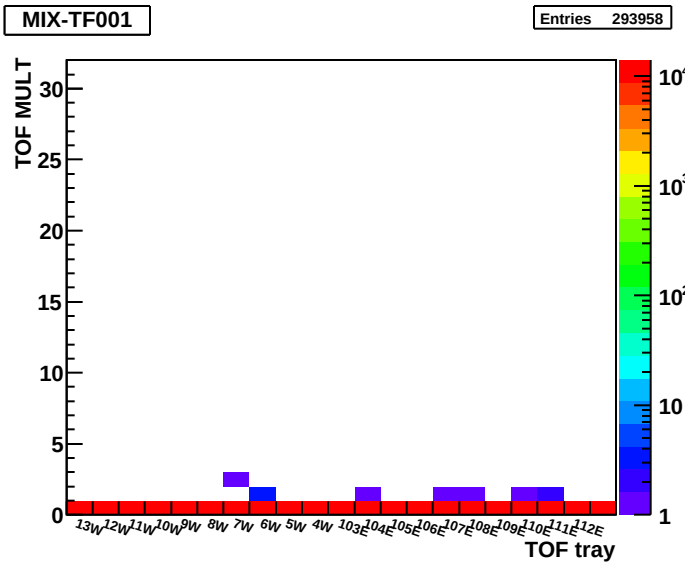

Endcap EMC L0 Input - High Tower
Entries 629910
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3

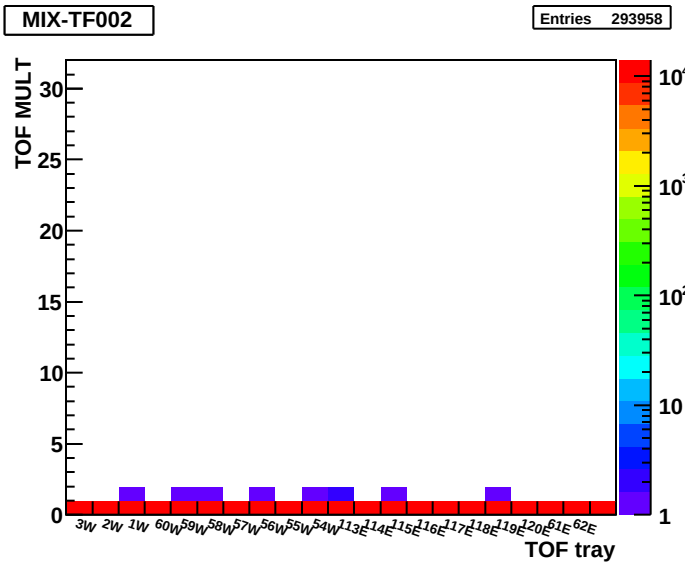

Endcap EMC L0 Input - Patch Sum
Entries 629910
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^2
10^3

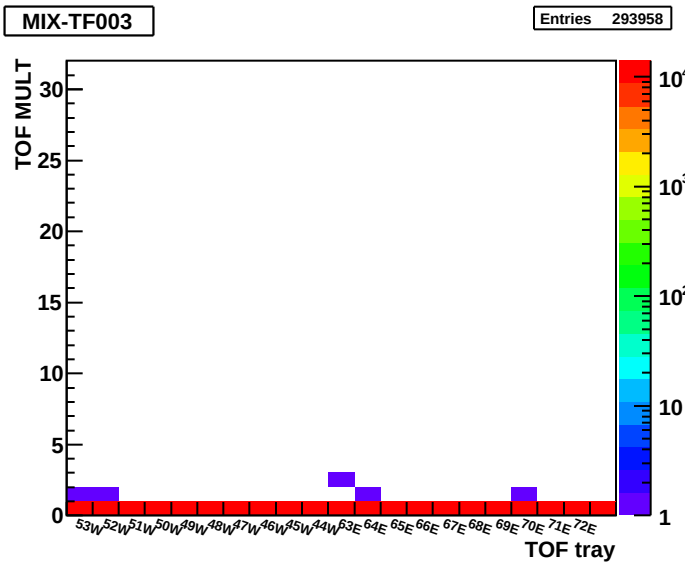

Barrel Jet Patches
Entries 125982
JP ADC
JP ID

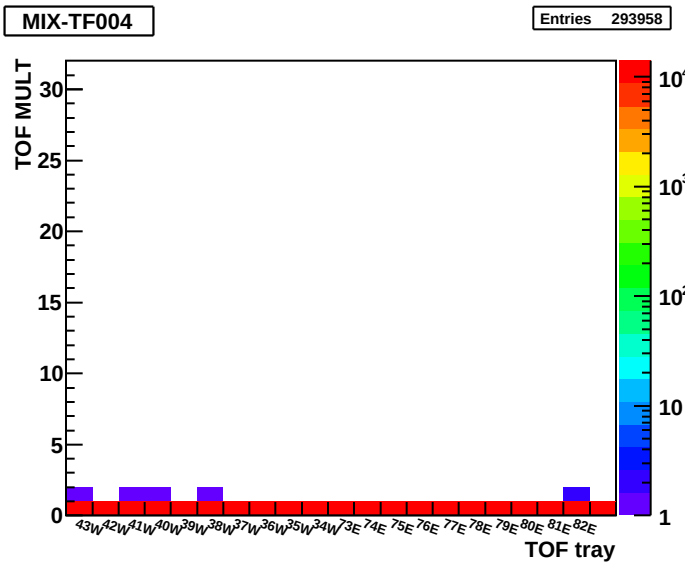

Endcap Jet Patches
Entries 41994
JP ADC
JP ID

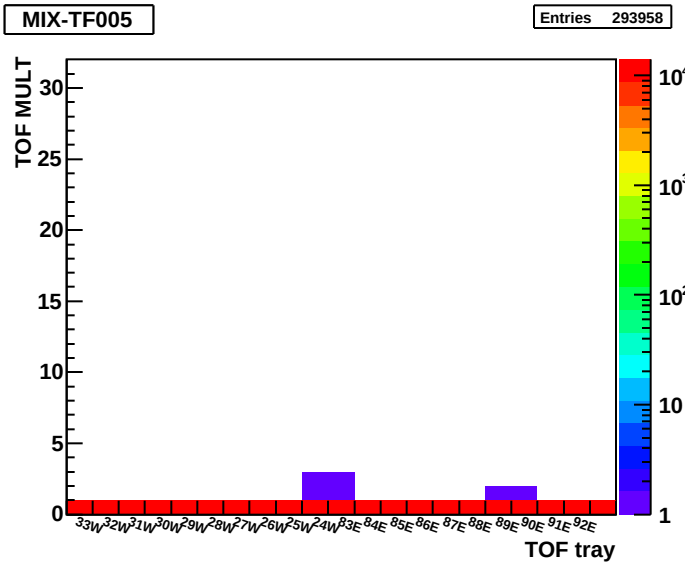

Hybrid Jet Patches
Entries 13998
JP ADC
JP ID

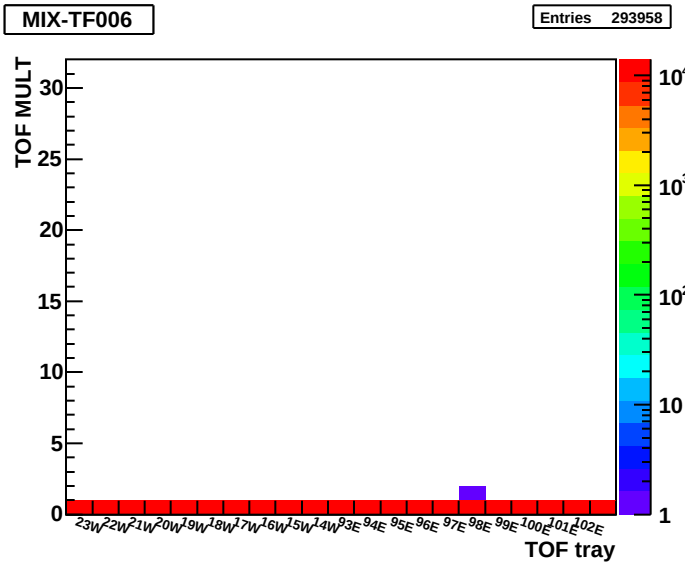

MIX-TF001
Entries 293958
TOF MULT
TOF tray

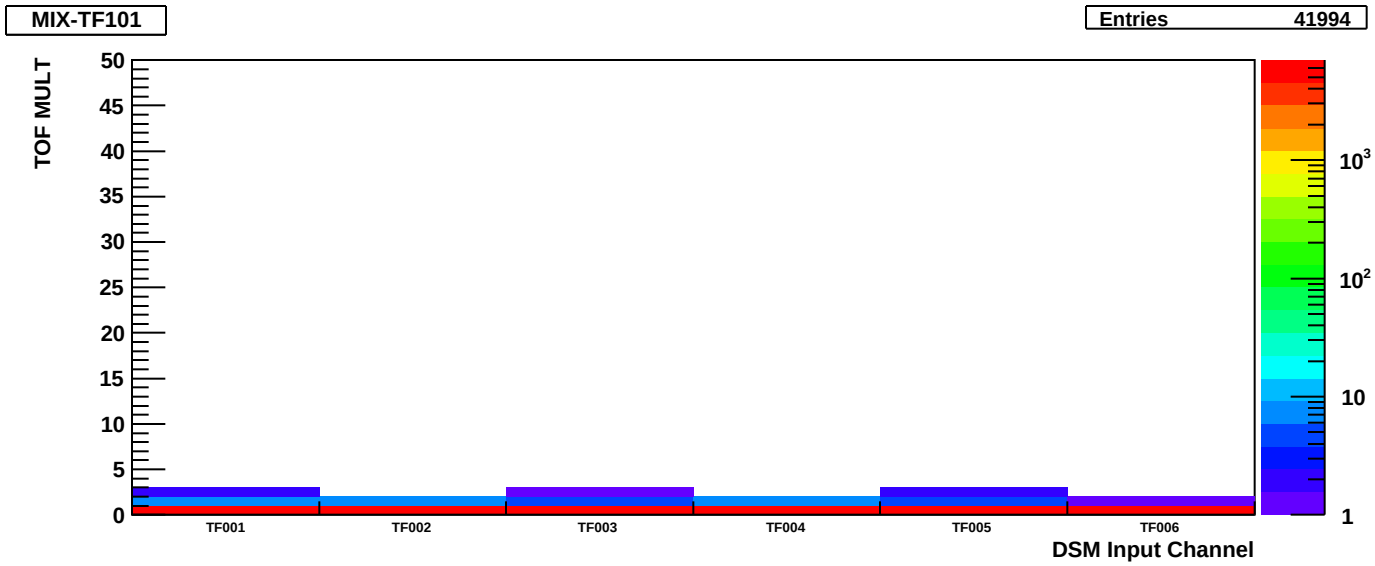

MIX-TF002
Entries 293958
TOF MULT
TOF tray

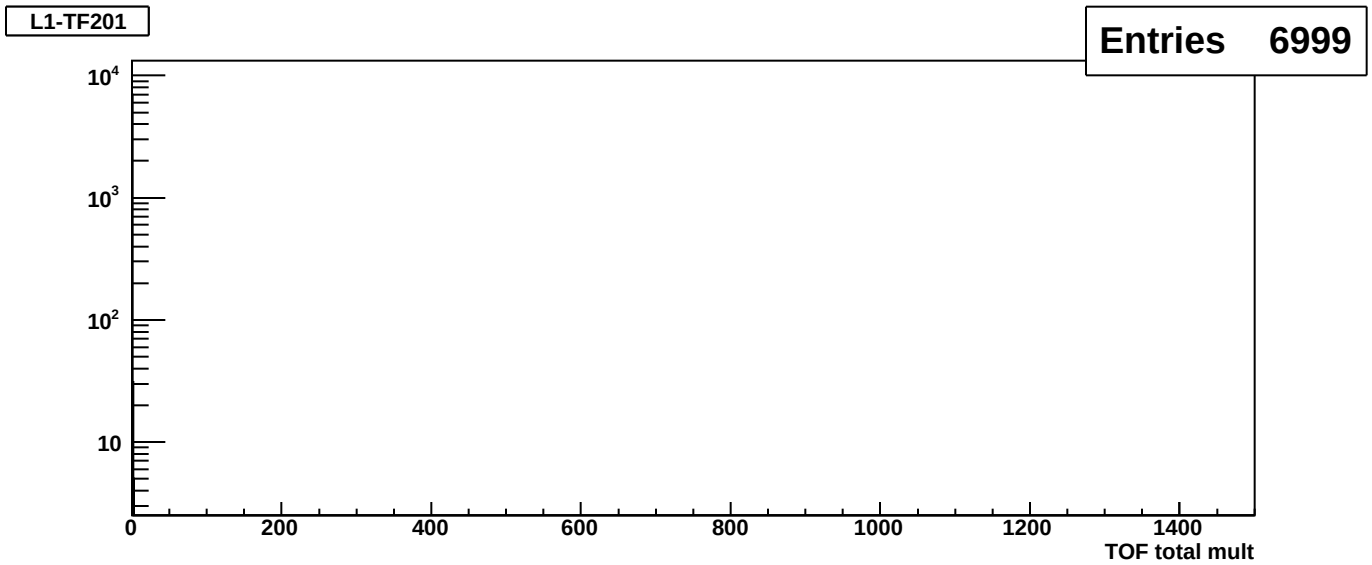

MIX-TF003
Entries 293958
TOF MULT
TOF tray

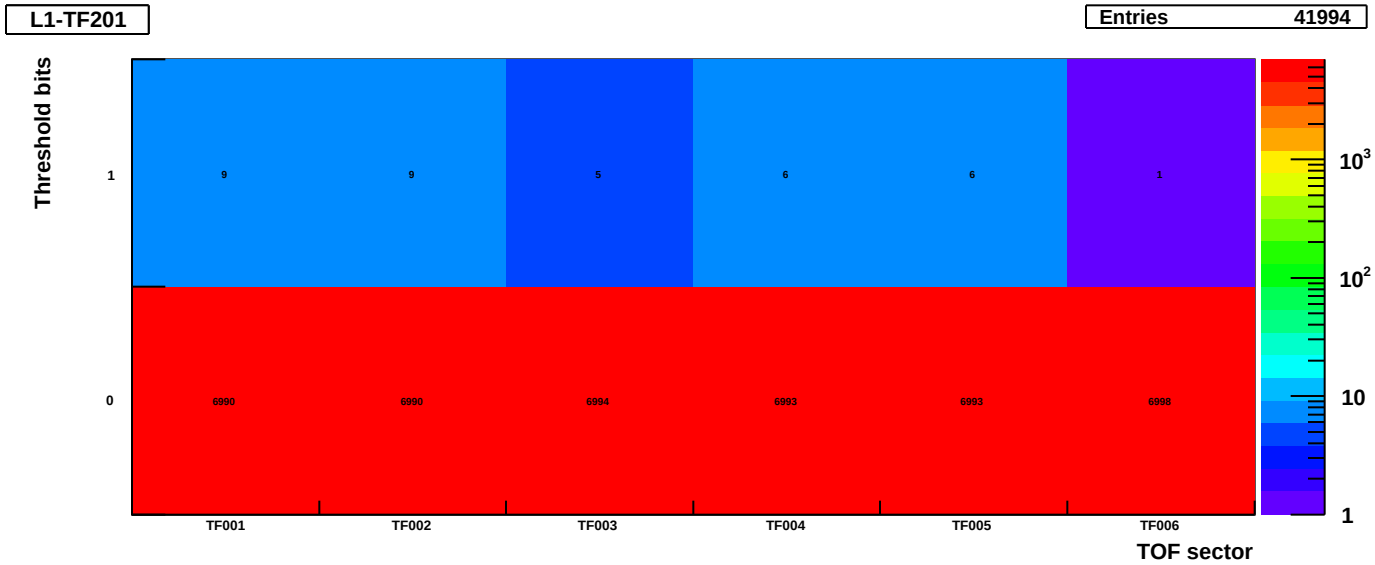

MIX-TF004
Entries 293958
TOF MULT
TOF tray

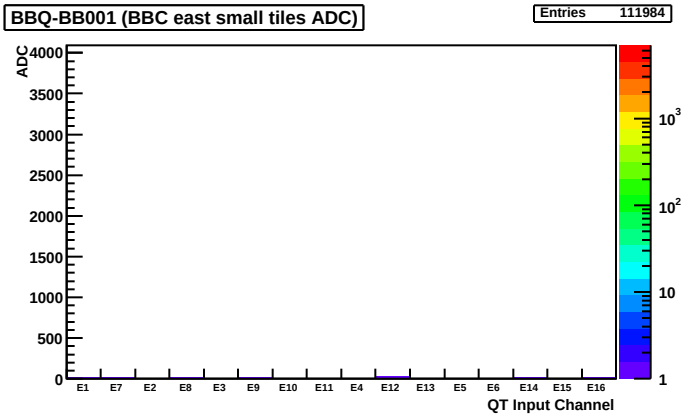

MIX-TF005
Entries 293958
TOF MULT
TOF tray

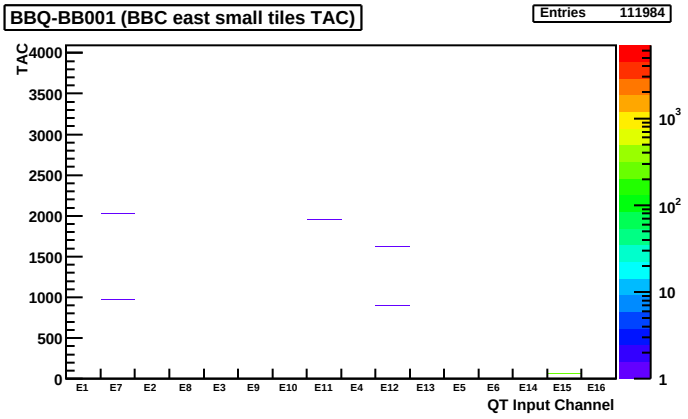

MIX-TF006
Entries 293958
TOF MULT
TOF tray

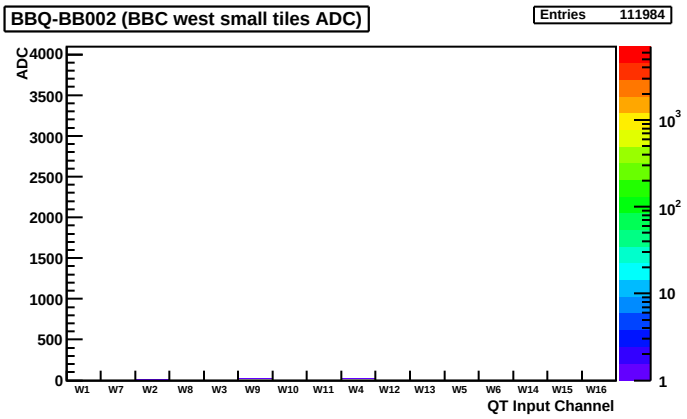

MIX-TF101
Entries 41994
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3
10^2
10
1

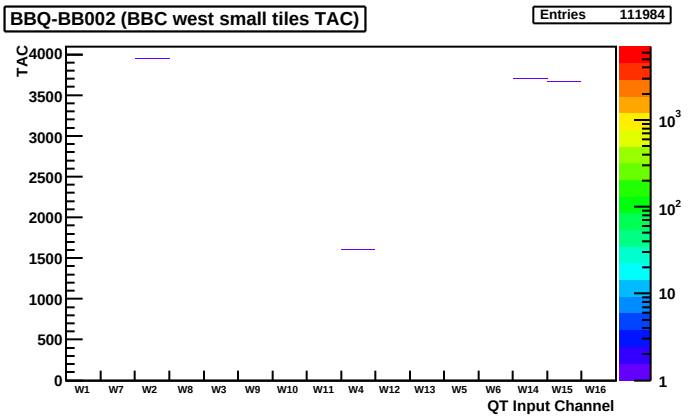

L1-TF201
Entries 6999
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

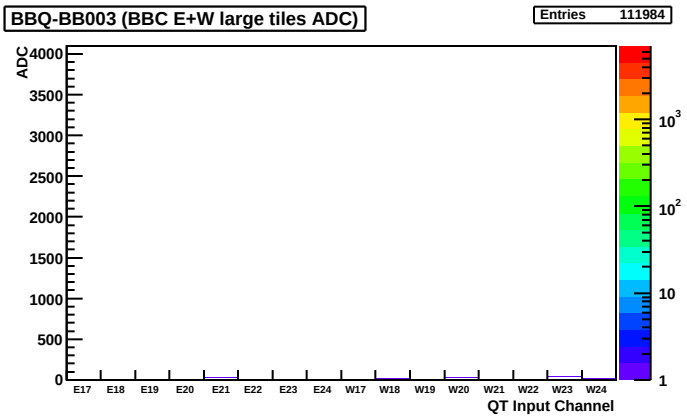

L1-TF201
Entries 41994
Threshold bits
1
0
9
9
5
6
6
1
6990
6990
6994
6993
6993
6998
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^3
10^2
10
1

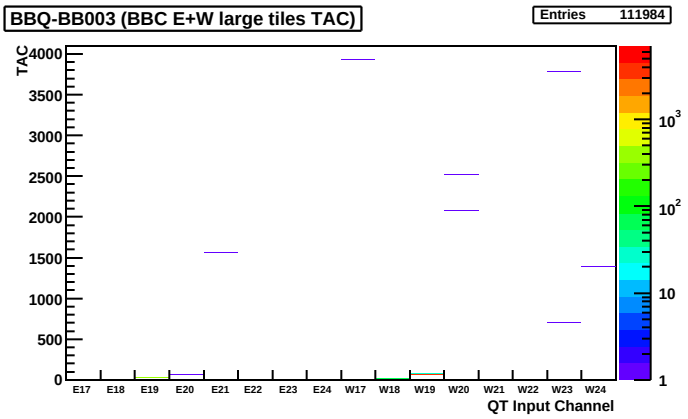

BBQ-BB001 (BBC east small tiles ADC)
Entries 111984
ADC
QT Input Channel

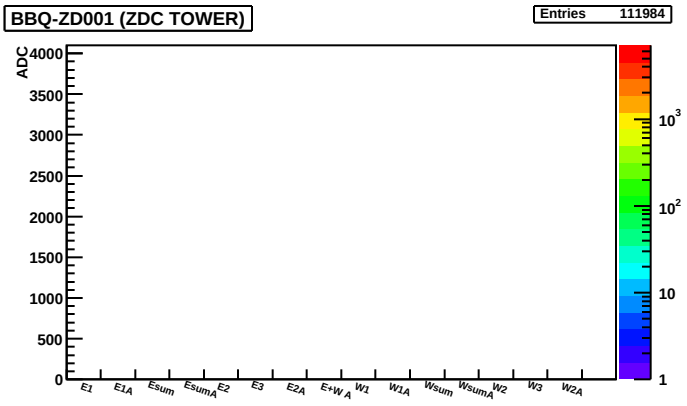

BBQ-BB001 (BBC east small tiles TAC)
Entries 111984
TAC
QT Input Channel

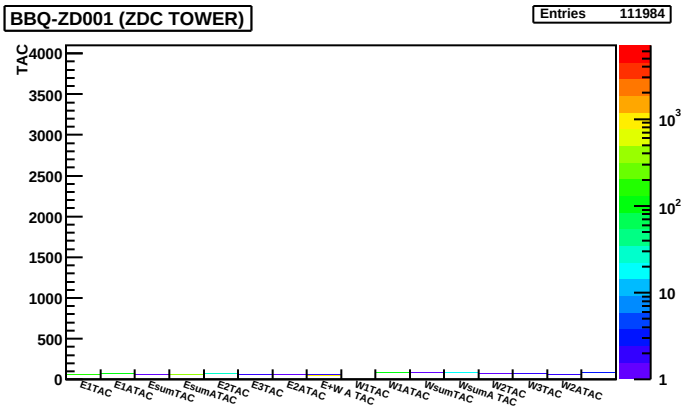

BBQ-BB002 (BBC west small tiles ADC)
Entries 111984
ADC
QT Input Channel

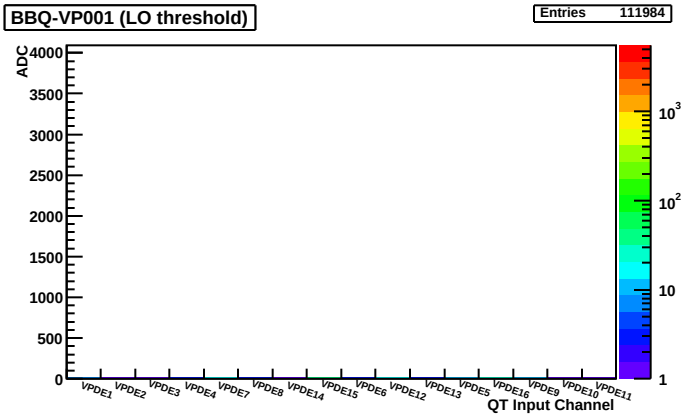

BBQ-BB002 (BBC west small tiles TAC)
Entries 111984
TAC
QT Input Channel

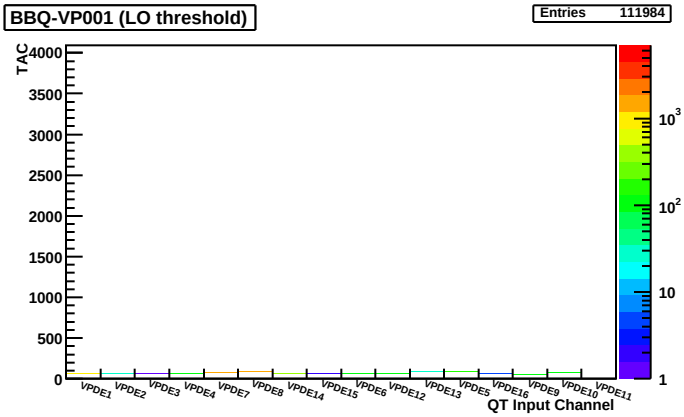

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 111984
ADC
QT Input Channel

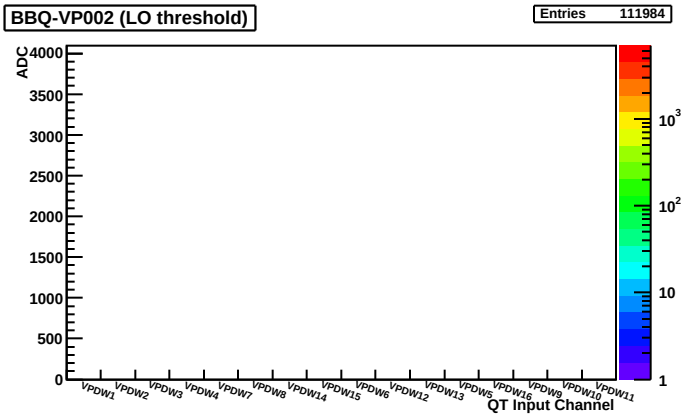

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 111984
TAC
QT Input Channel

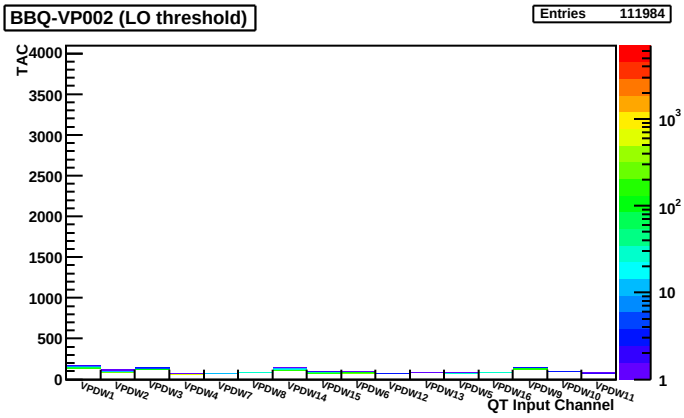

BBQ-ZD001 (ZDC TOWER)
Entries 111984
ADC

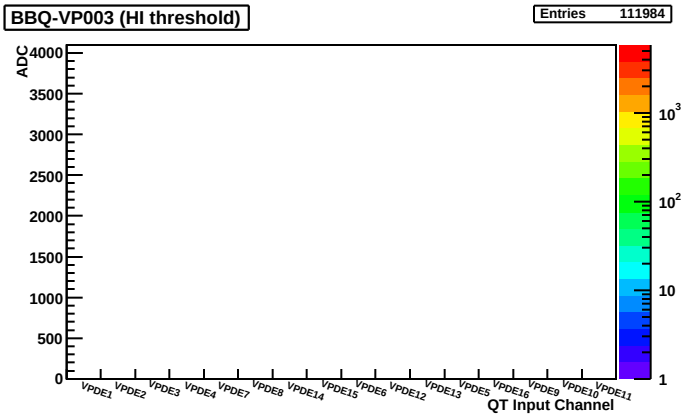

BBQ-ZD001 (ZDC TOWER)
Entries 111984
TAC

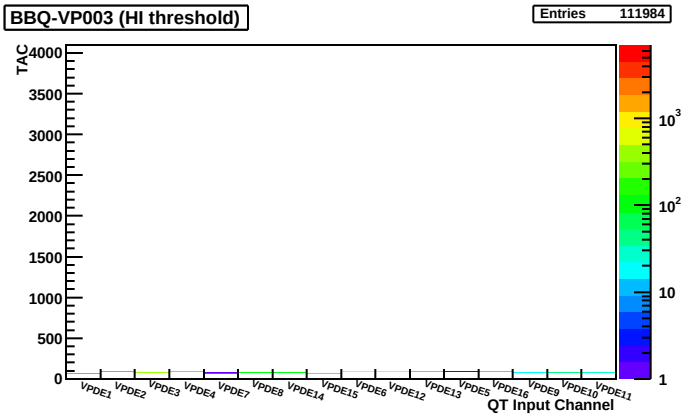

BBQ-VP001 (LO threshold)
Entries 111984
ADC
QT Input Channel

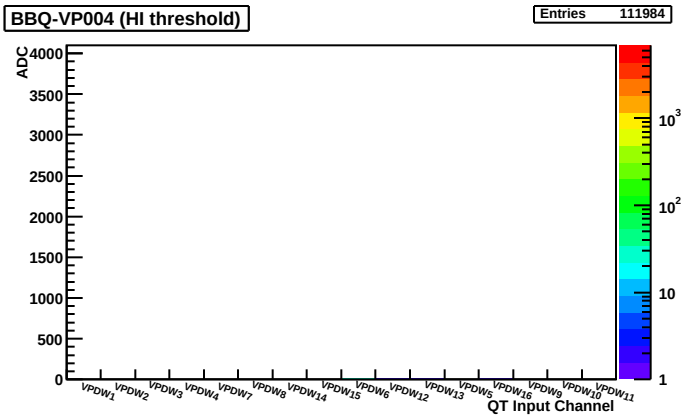

BBQ-VP001 (LO threshold)
Entries 111984
TAC
QT Input Channel

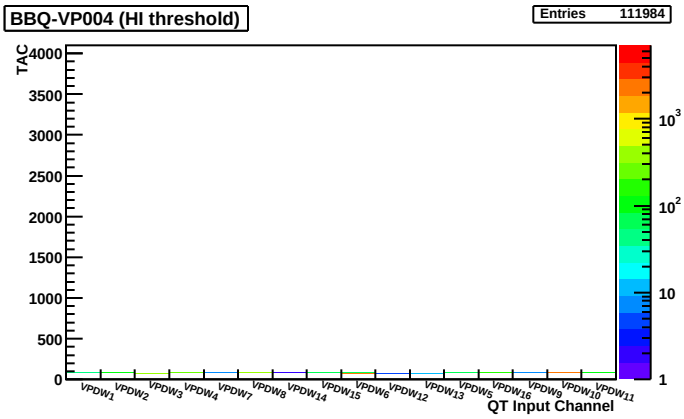

BBQ-VP002 (LO threshold)
Entries 111984
ADC
QT Input Channel

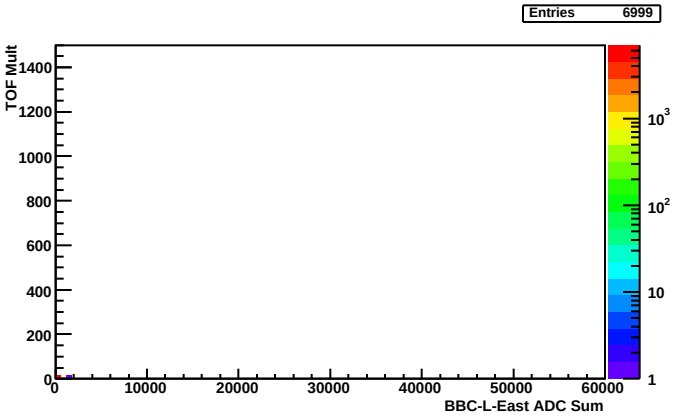

BBQ-VP002 (LO threshold)
Entries 111984
TAC
QT Input Channel

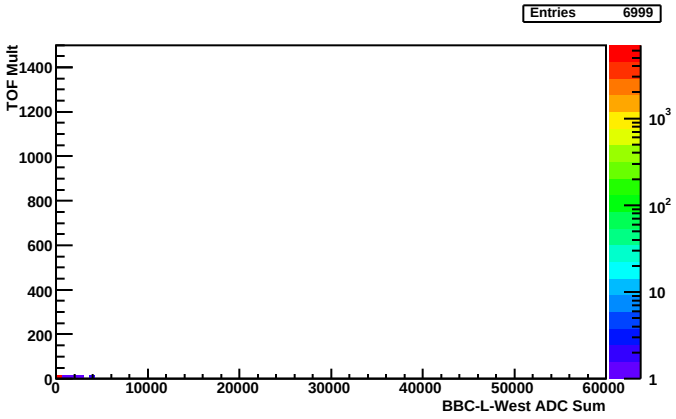

BBQ-VP003 (HI threshold)
Entries 111984
ADC
QT Input Channel

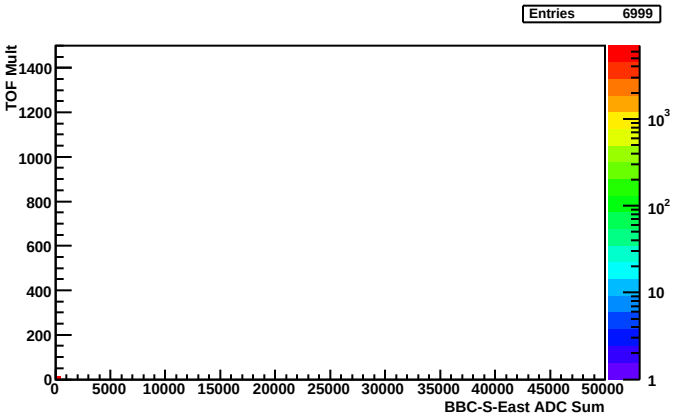

BBQ-VP003 (HI threshold)
Entries 111984
TAC
QT Input Channel

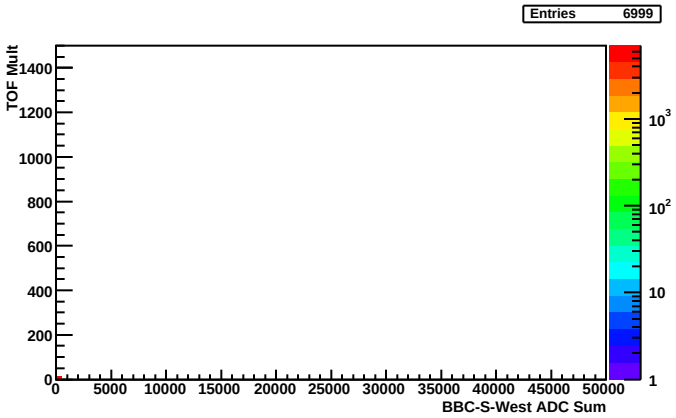

BBQ-VP004 (HI threshold)
Entries 111984
ADC
QT Input Channel

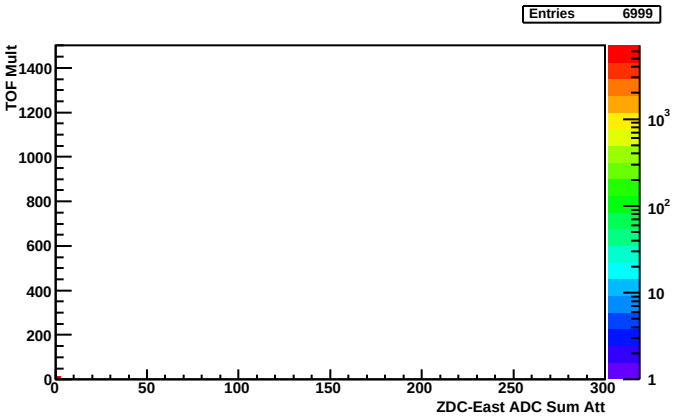

BBQ-VP004 (HI threshold)
Entries 111984
TAC
QT Input Channel

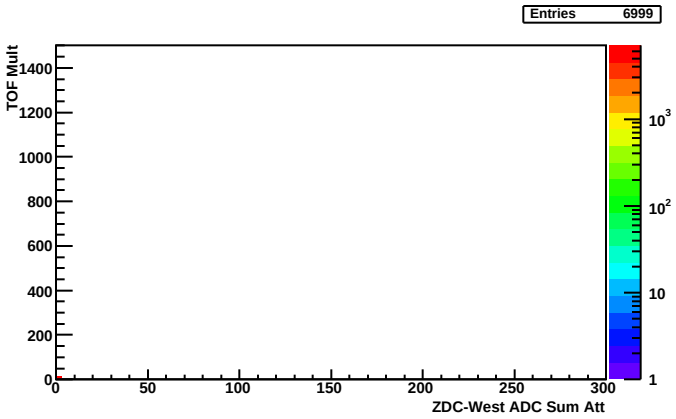

Entries 6999
TOF Mult
BBC-L-East ADC Sum

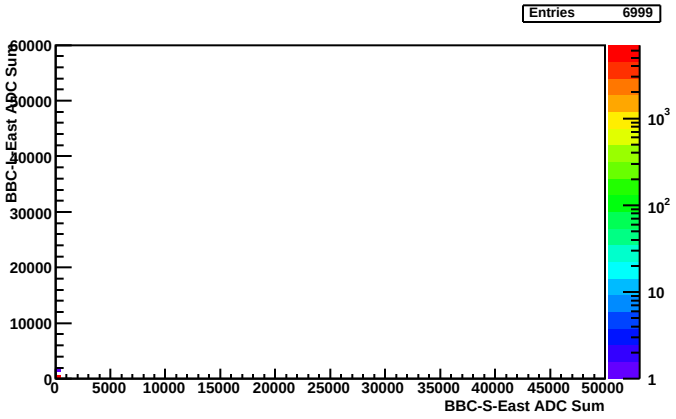

Entries 6999
TOF Mult
BBC-L-West ADC Sum

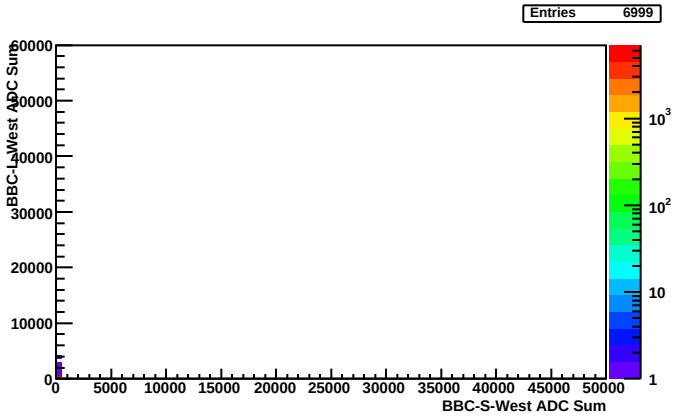

Entries 6999
TOF Mult
BBC-S-East ADC Sum


Entries 6999
TOF Mult
BBC-S-West ADC Sum


Entries 6999
TOF Mult
ZDC-East ADC Sum Att


Entries 6999
TOF Mult
ZDC-West ADC Sum Att


Entries 6999
BBC-L-East ADC Sum
BBC-S-East ADC Sum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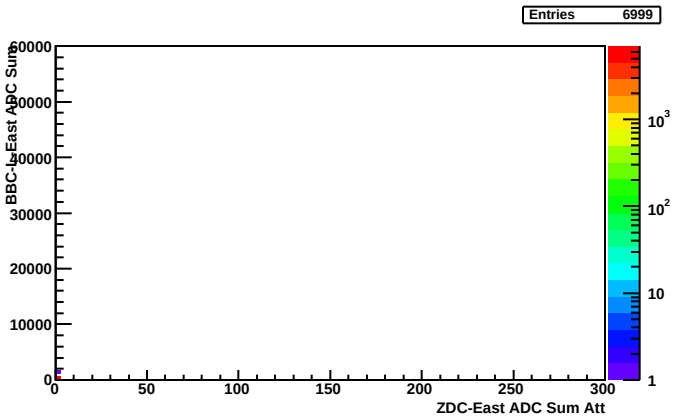
BBC-L-West ADC Sum
BBC-S-West ADC Sum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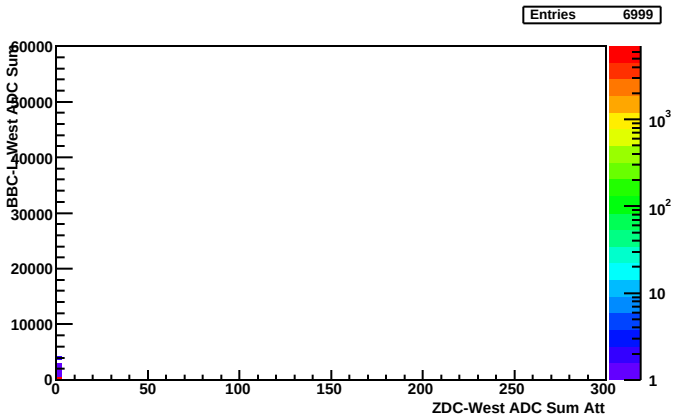
ZDC-East ADC Sum Att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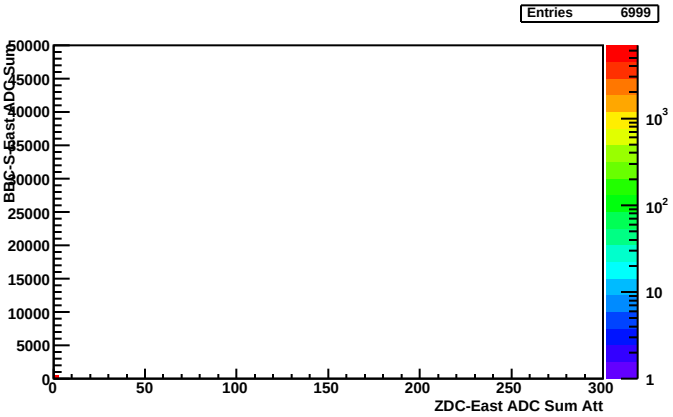
ZDC-West ADC Sum Att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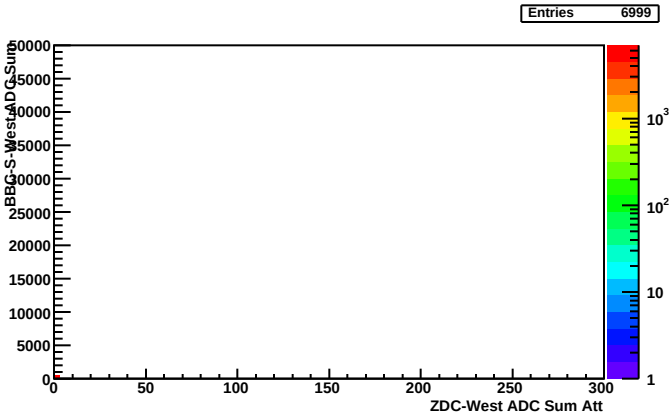
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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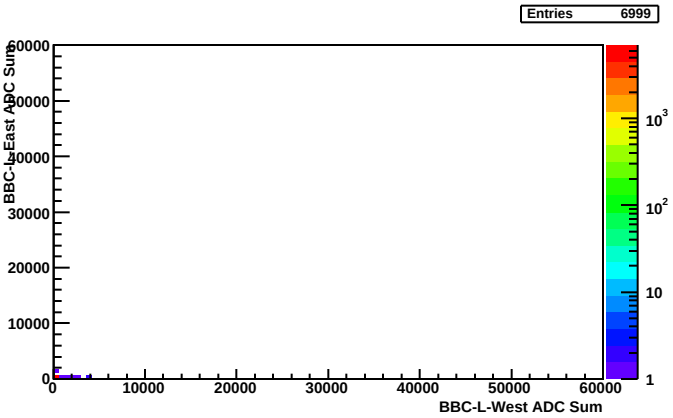
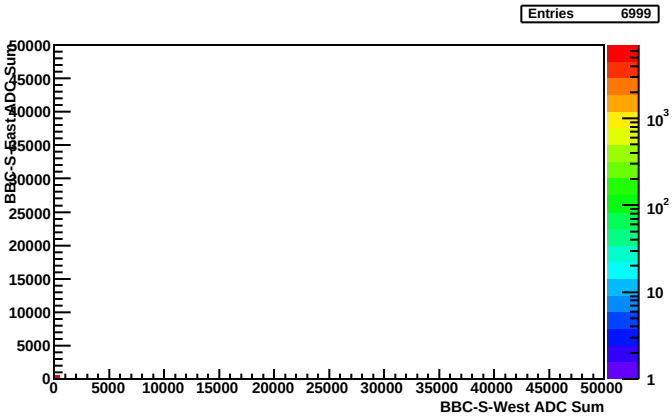
BBC-S-West ADC Sum
ZDC-West ADC Sum Att


Entries 6999
BBC-L-East ADC Sum
BBC-L-West ADC Sum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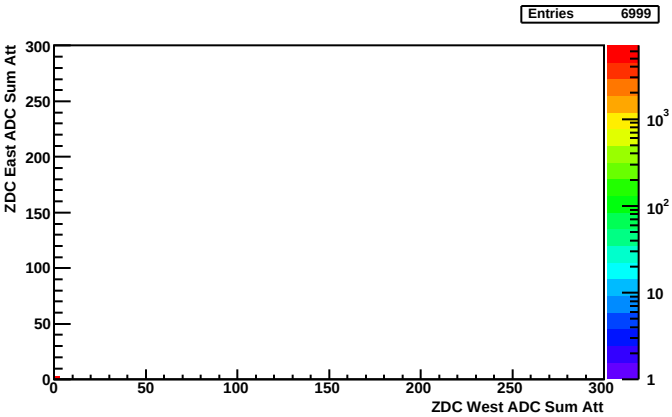
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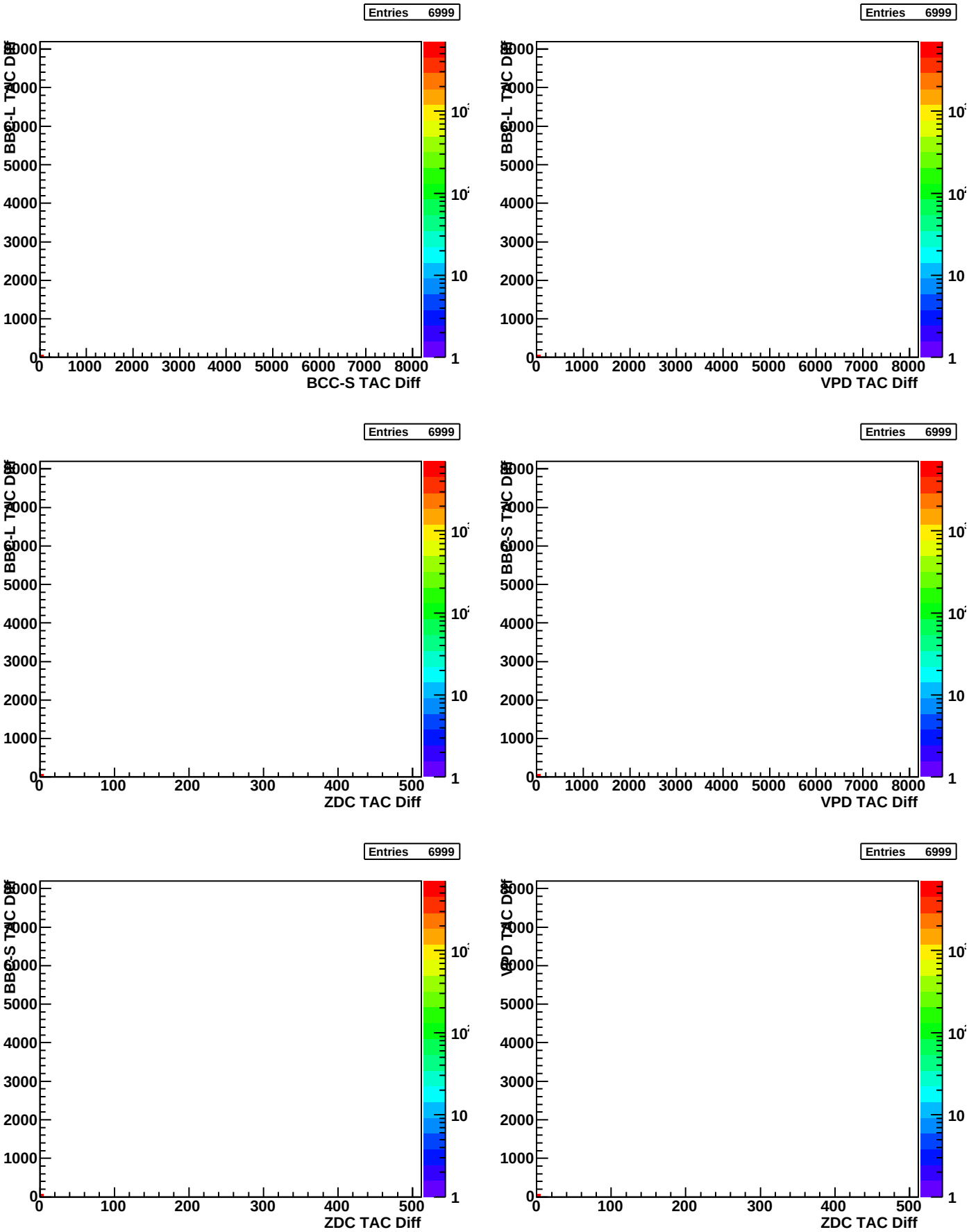
ZDC East ADC Sum Att
ZDC West ADC Sum Att


Entries 6999
BBC-L TAC Diff
BCC-S TAC Diff
Entries 6999
BBC-L TAC Diff
VPD TAC Diff
Entries 6999
BBC-L TAC Diff
ZDC TAC Diff
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VPD TAC Diff
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BBC-S TAC Diff
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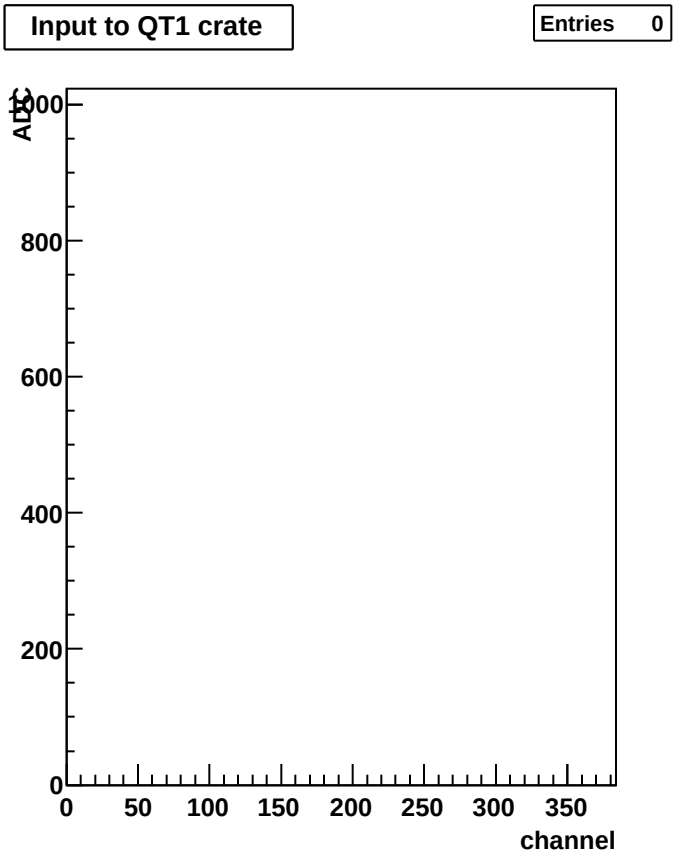
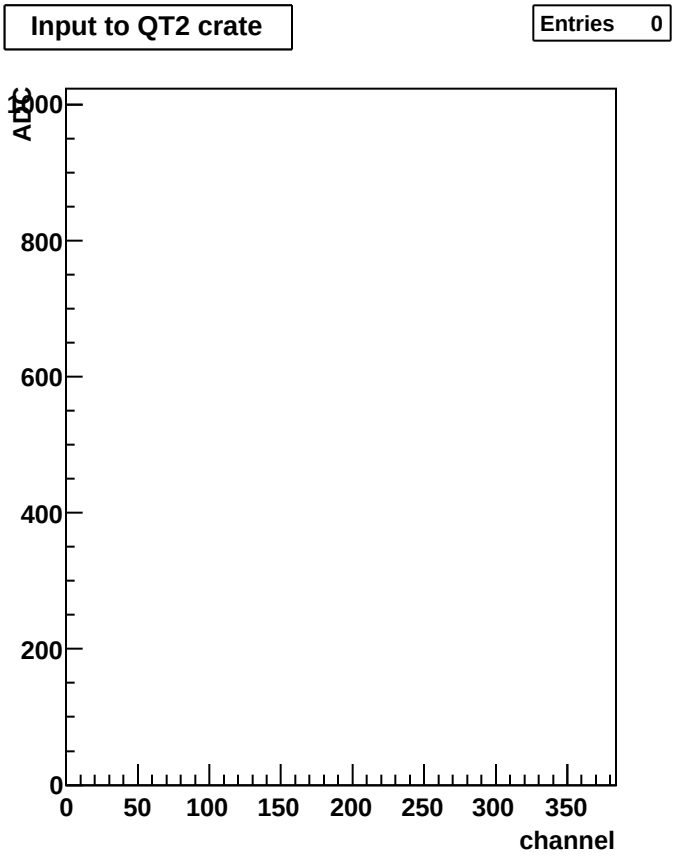
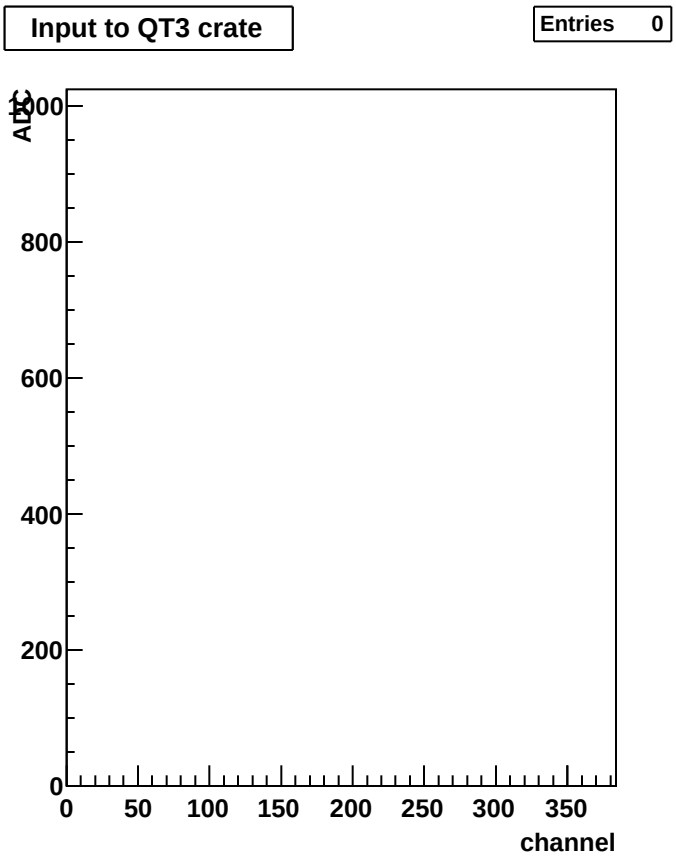
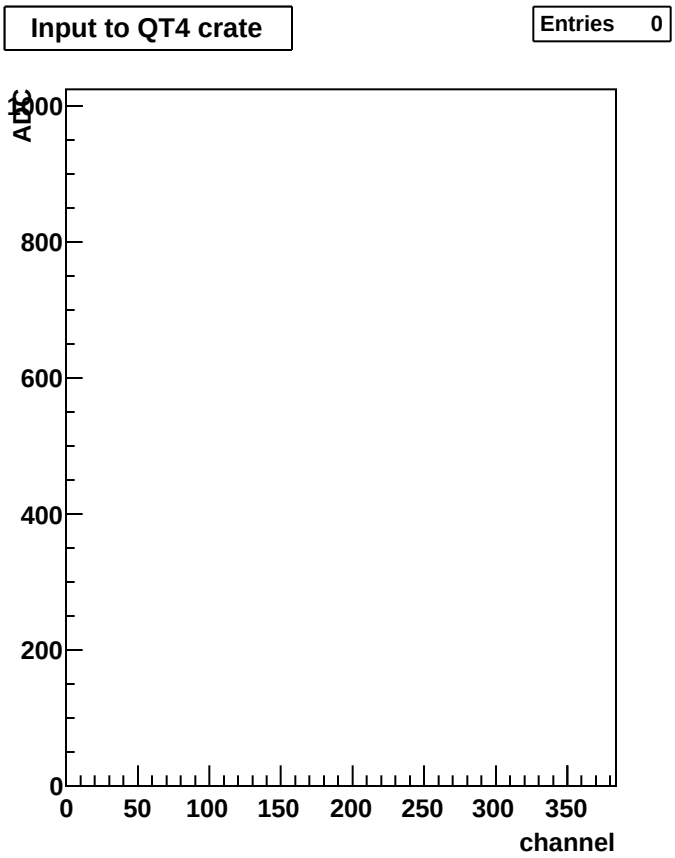
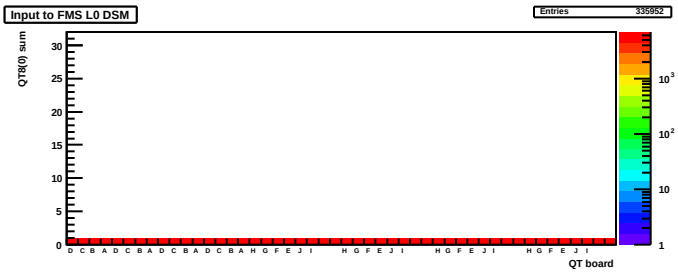
Entries 6999
VPD TAC Diff
ZDC TAC Diff

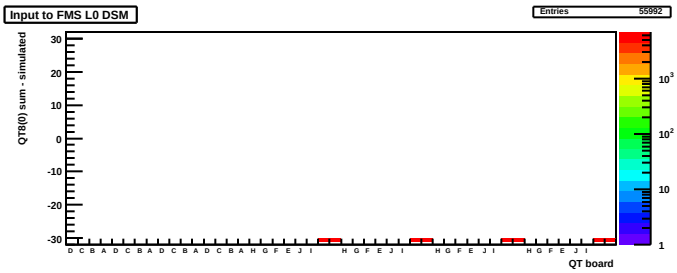

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

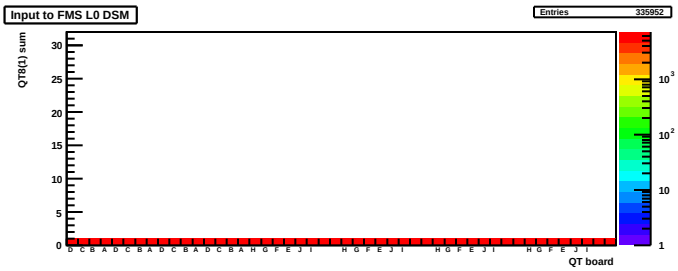

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

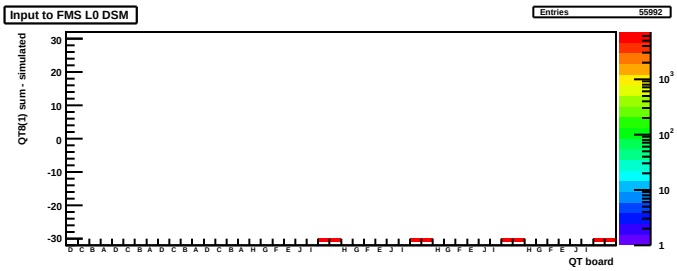

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

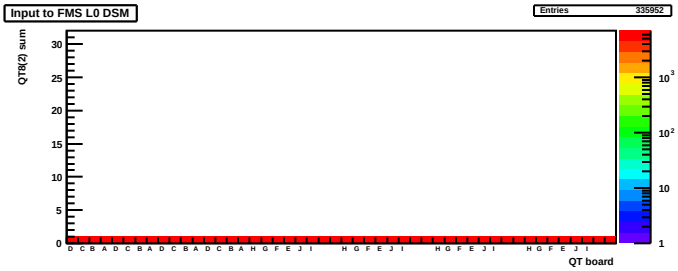

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

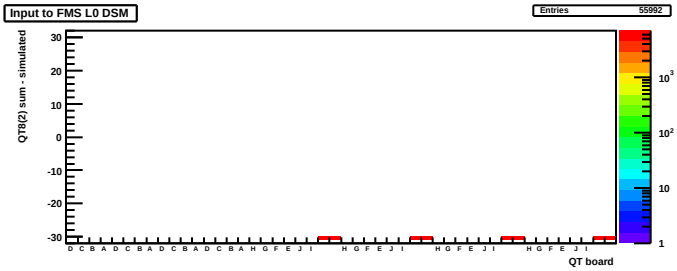

Input to FMS L0 DSM
Entries 335952
QT8(0) sum
QT board

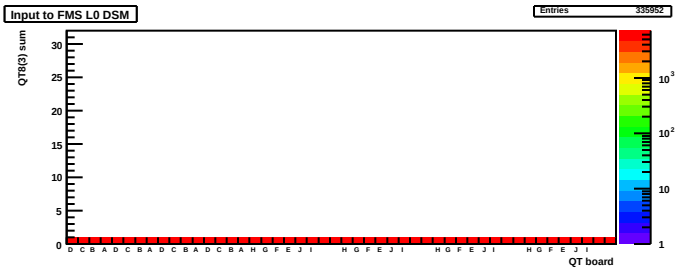

Input to FMS L0 DSM
Entries 55992
QT8(0) sum - simulated
QT board

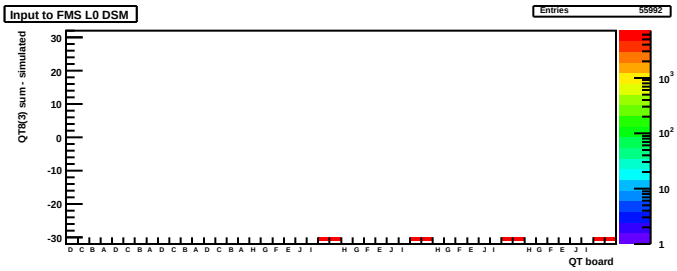

Input to FMS L0 DSM
Entries 335952
QT8(1) sum
QT board

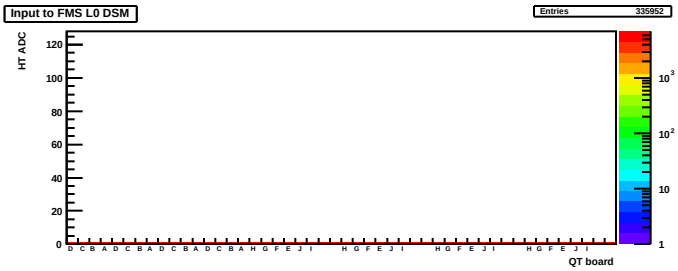

Input to FMS L0 DSM
Entries 55992
QT8(1) sum - simulated
QT board

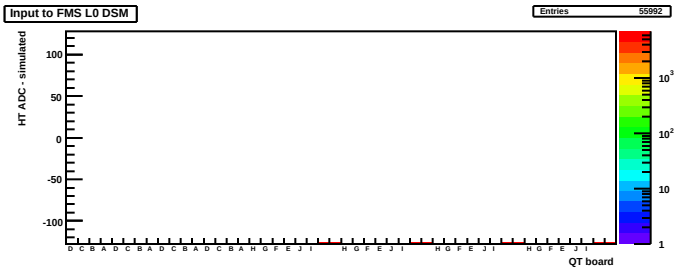

Input to FMS L0 DSM
Entries 335952
QT8(2) sum
QT board

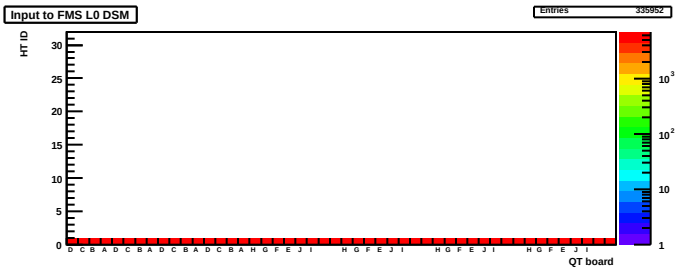

Input to FMS L0 DSM
Entries 55992
QT8(2) sum - simulated
QT board

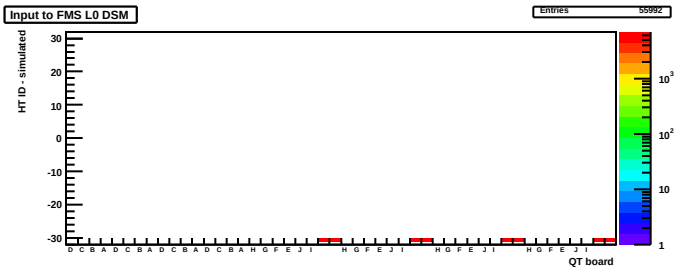

Input to FMS L0 DSM
Entries 335952
QT8(3) sum
QT board

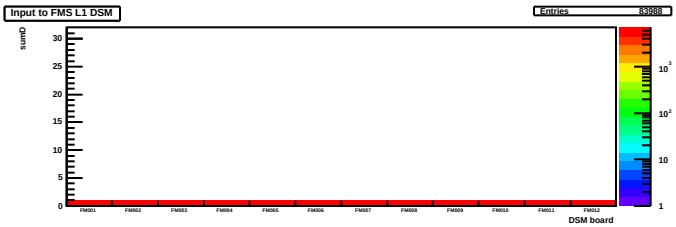

Input to FMS L0 DSM
Entries 55992
QT8(3) sum - simulated
QT board

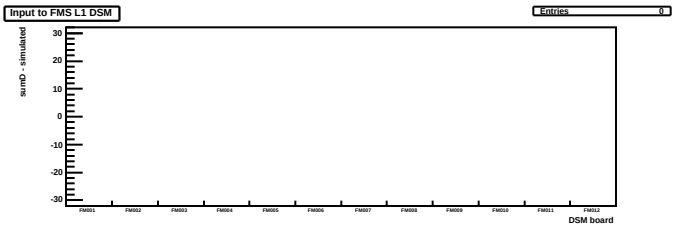

Input to FMS L0 DSM
Entries 335952
HT ADC
QT board

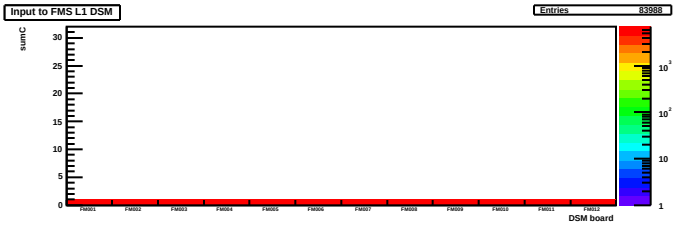

Input to FMS L0 DSM
Entries 55992
HT ADC - simulated
QT board

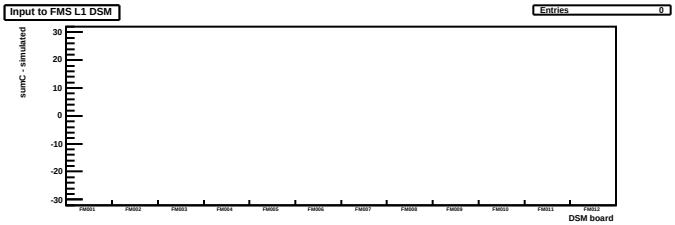

Input to FMS L0 DSM
Entries 335952
HT ID
QT board

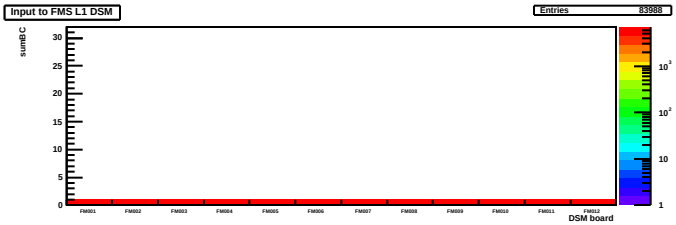

Input to FMS L0 DSM
Entries 55992
HT ID - simulated
QT board

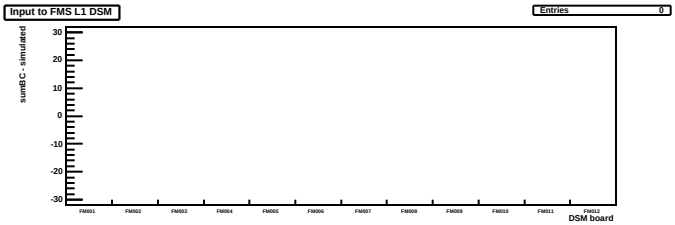

Input to FMS L1 DSM
Entries 83988
sumD
DSM board

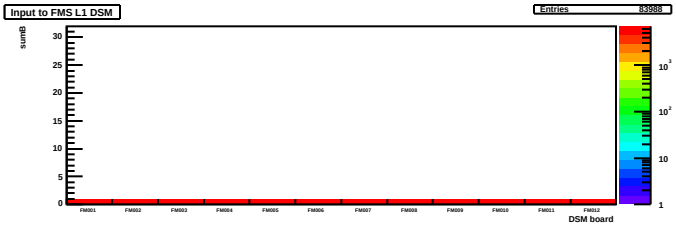

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

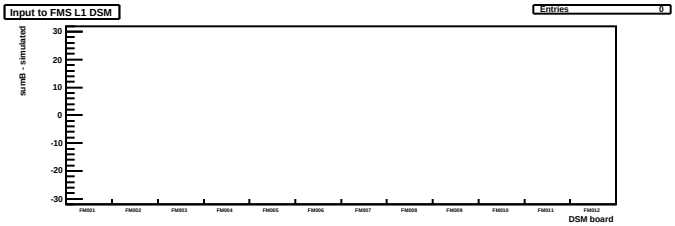

Input to FMS L1 DSM
Entries 83988
sumC
DSM board

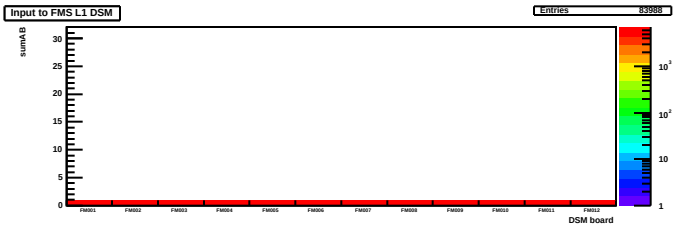

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

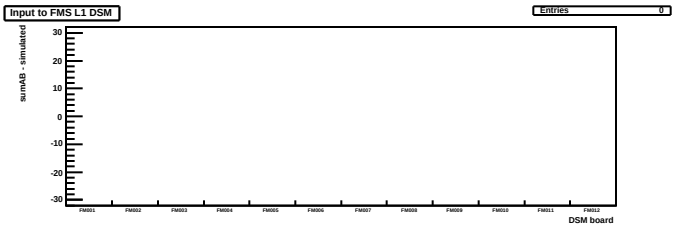

Input to FMS L1 DSM
Entries 83988
sumBC
DSM board

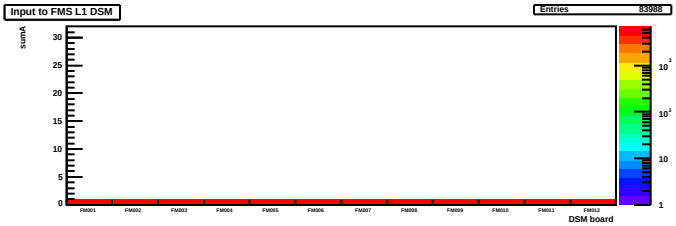

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

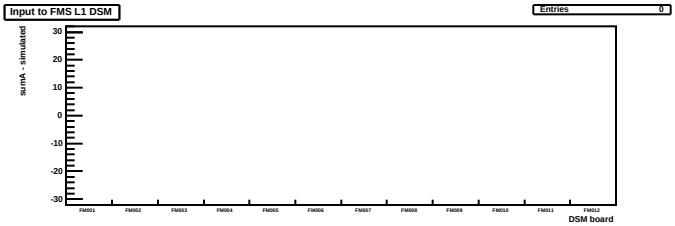

Input to FMS L1 DSM
Entries 83988
sumB
DSM board

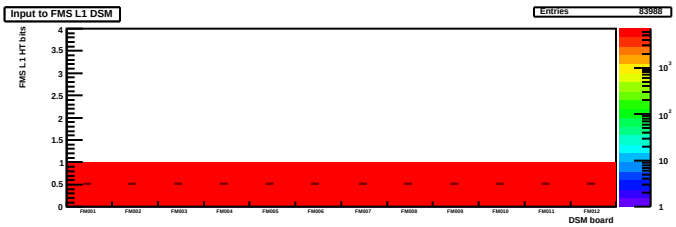

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

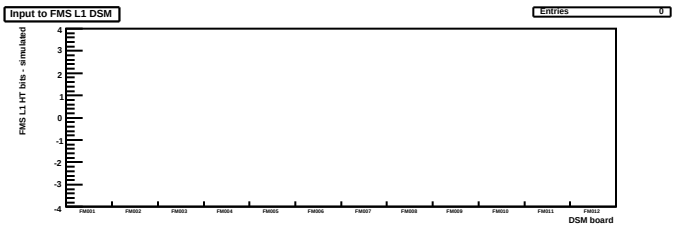

Input to FMS L1 DSM
Entries 83988
sumAB
DSM board

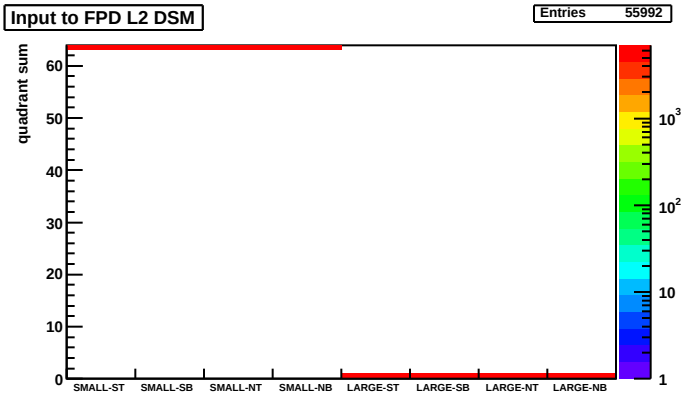

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

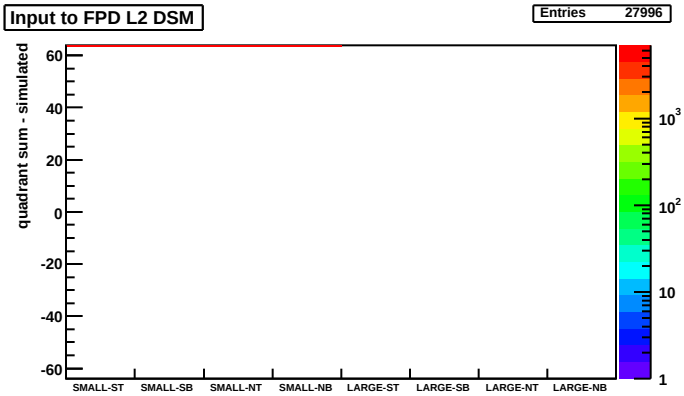

Input to FMS L1 DSM
Entries 83988
sumA
DSM board

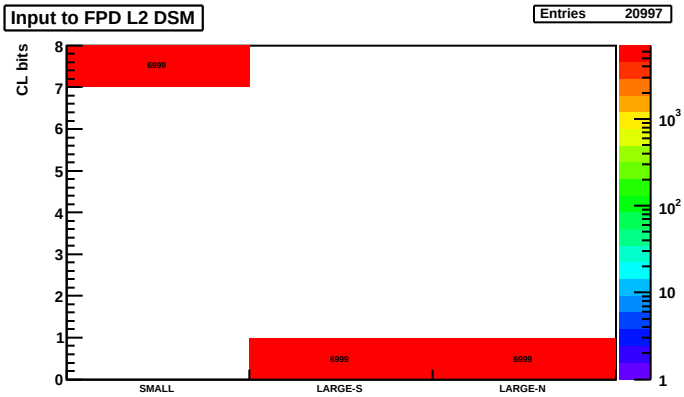

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

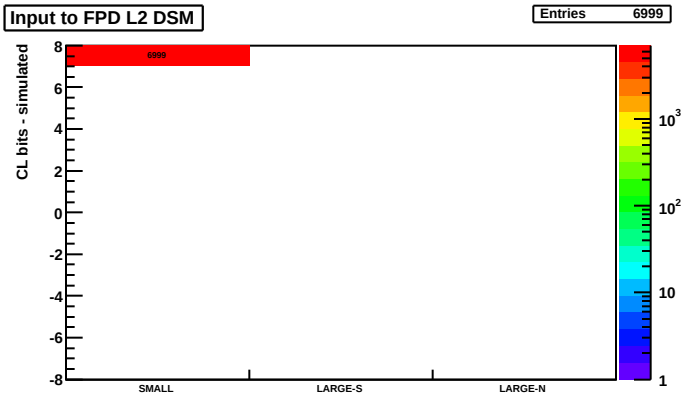

Input to FMS L1 DSM
Entries 83988
FMS L1 HT bits
DSM board

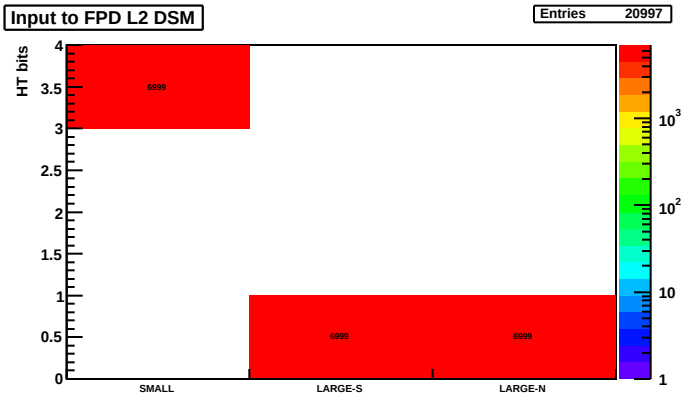

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

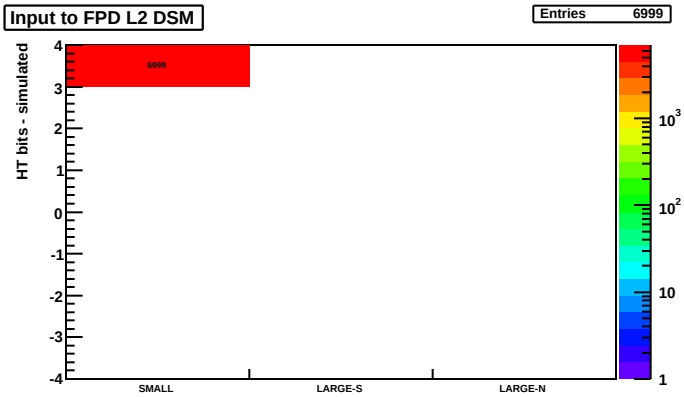

Input to FPD L2 DSM
Entries 55992
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

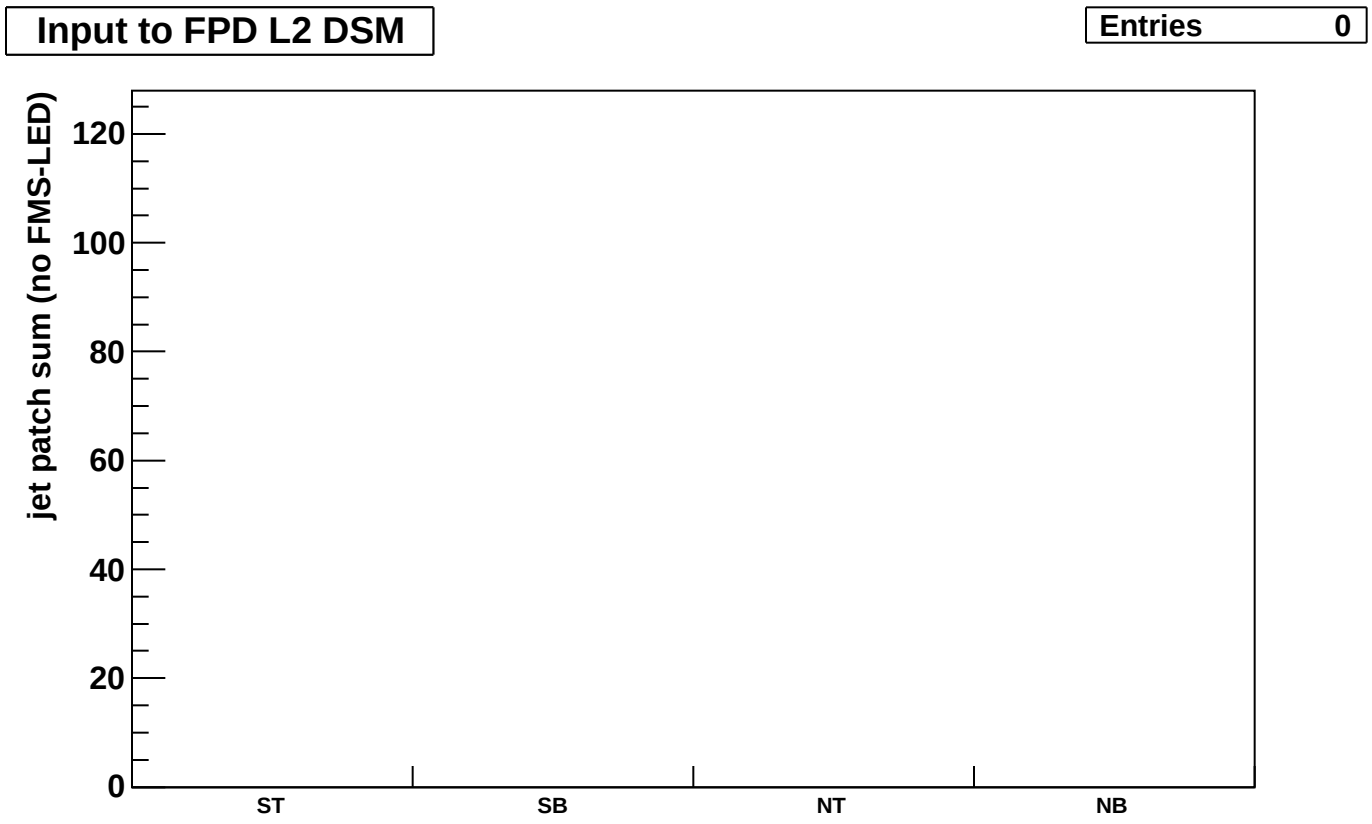

Input to FPD L2 DSM
Entries 27996
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

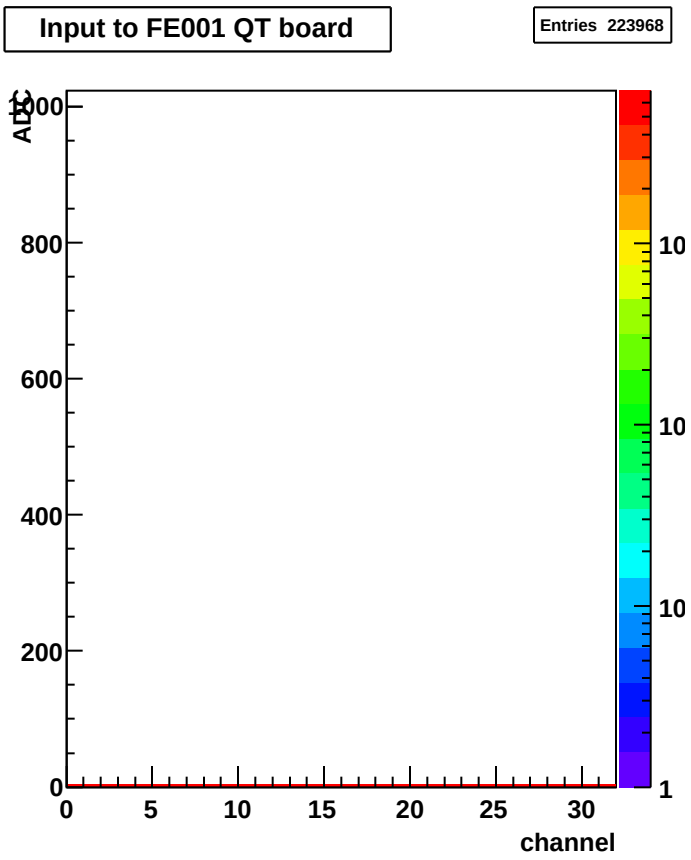

Input to FPD L2 DSM
Entries 20997
CL bits
6999
6999
6999
SMALL
LARGE-S
LARGE-N

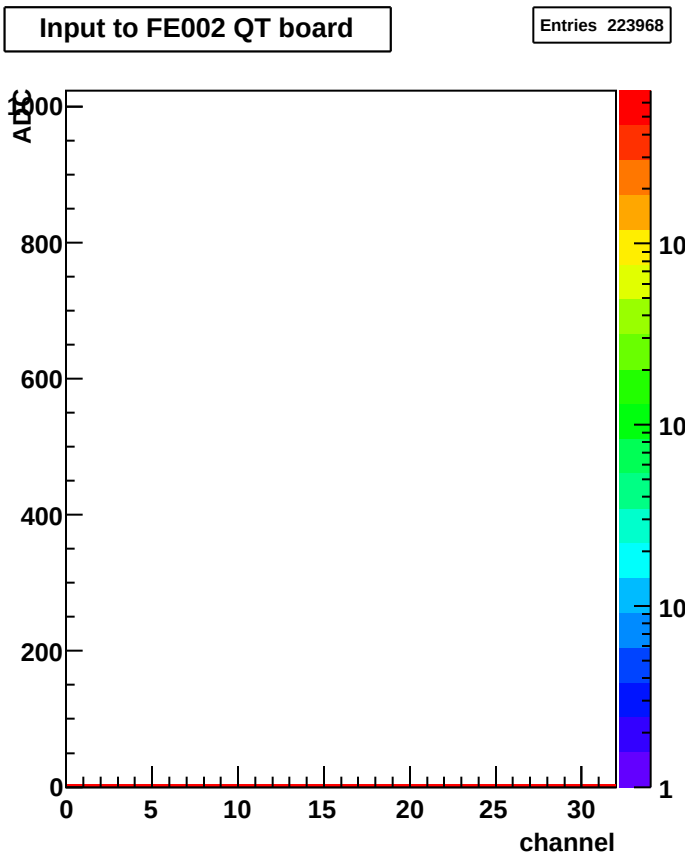

Input to FPD L2 DSM
Entries 6999
CL bits - simulated
6999
SMALL
LARGE-S
LARGE-N

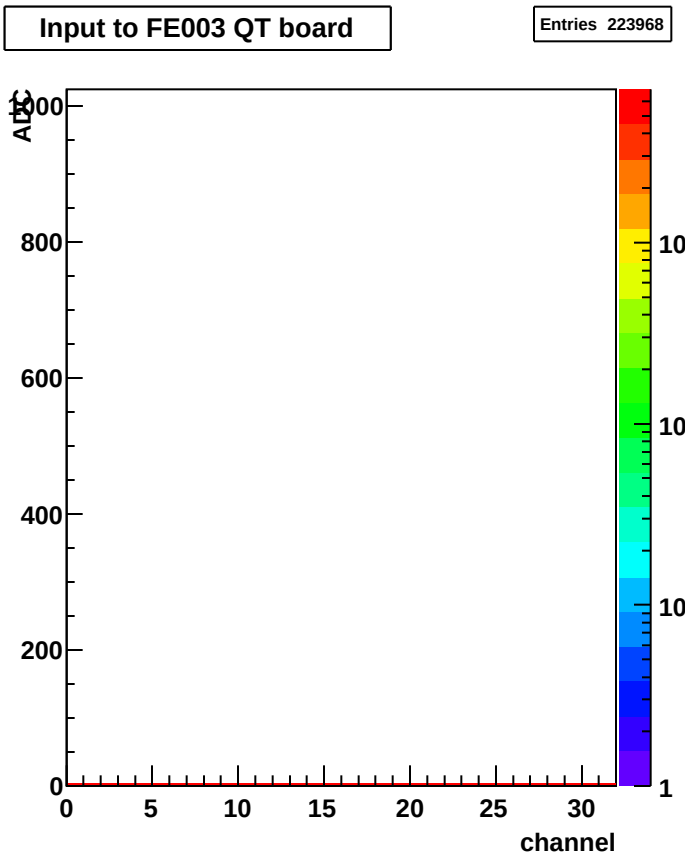

Input to FPD L2 DSM
Entries 20997
HT bits
6999
6999
6999
SMALL
LARGE-S
LARGE-N

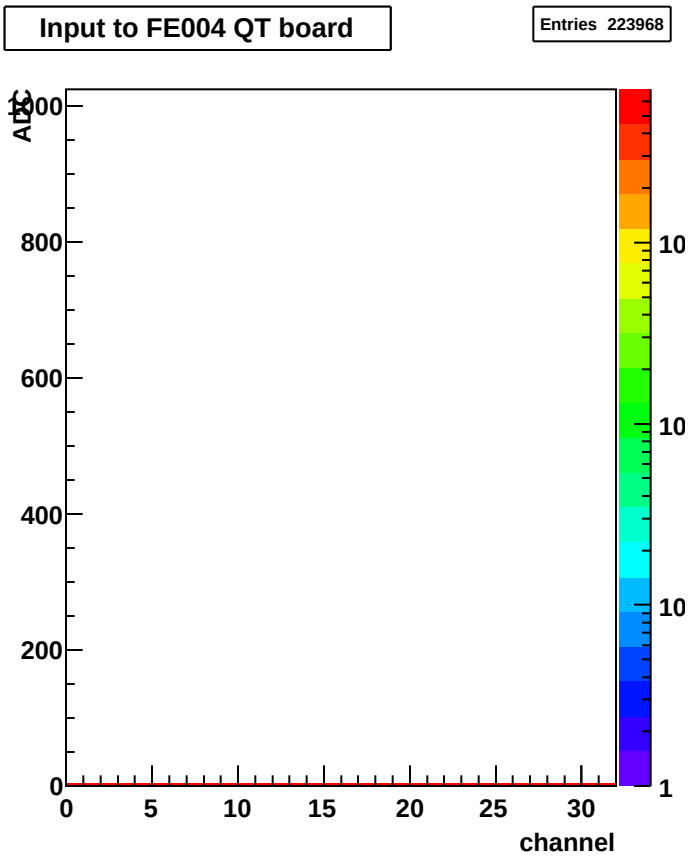

Input to FPD L2 DSM
Entries 6999
HT bits - simulated
6999
SMALL
LARGE-S
LARGE-N

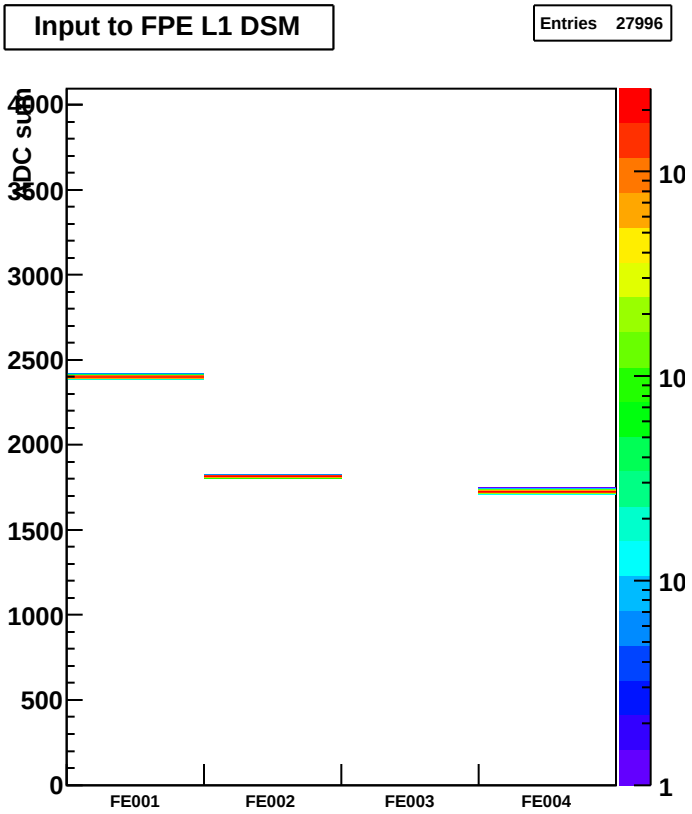

Input to FPD L2 DSM
Entries 0
jet patch sum (no FMS-LED)
120
100
80
60
40
20
0
ST
SB
NT
NB

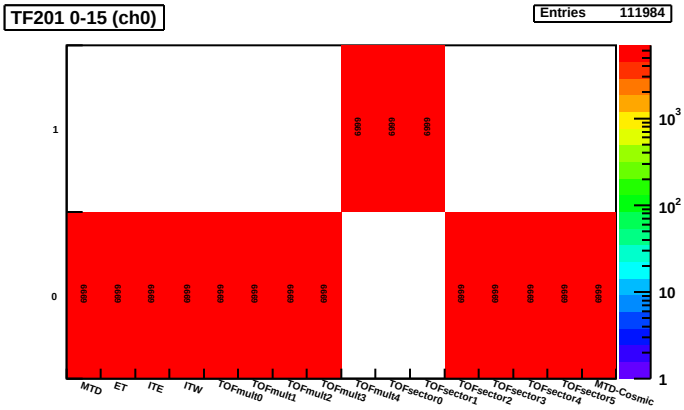

Input to FE001 QT board
Entries 223968
ADC
channel

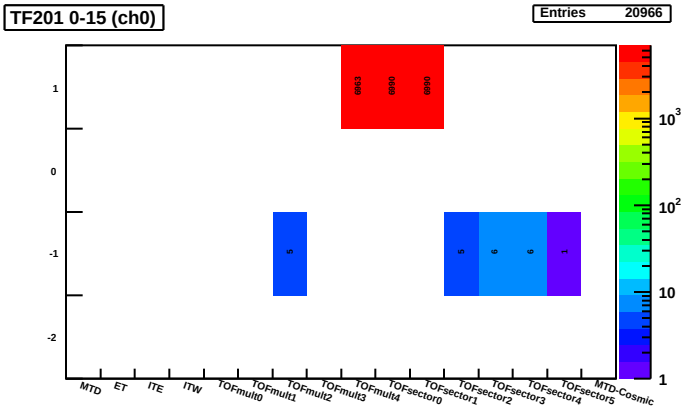

Input to FE002 QT board
Entries 223968
ADC
channel

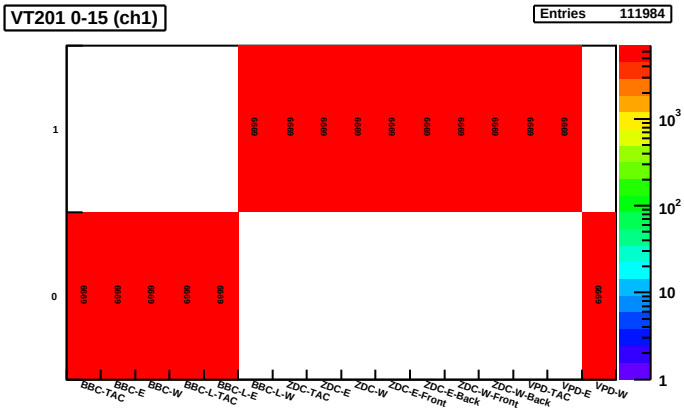

Input to FE003 QT board
Entries 223968
ADC
channel

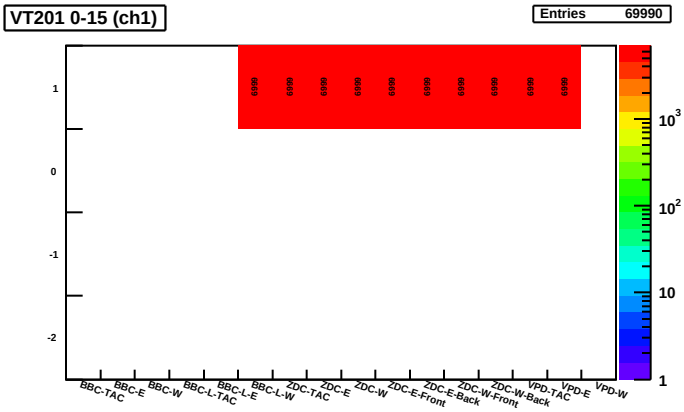

Input to FE004 QT board
Entries 223968
ADC
channel

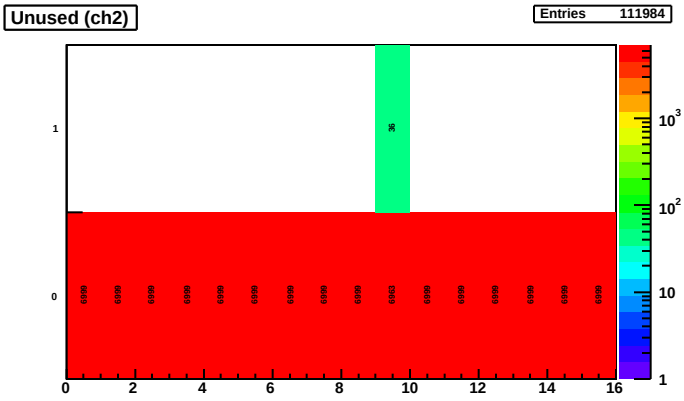

Input to FPE L1 DSM
Entries 27996
ADC sum
4000
3500
3000
2500
2000
1500
1000
500
0
FE001
FE002
FE003
FE004
10
10
10
1

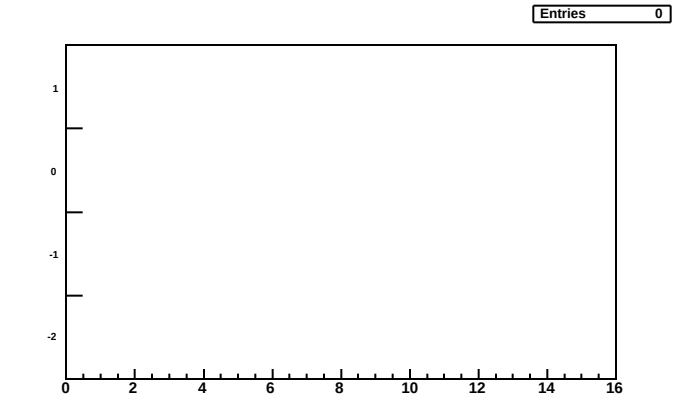

TF201 0-15 (ch0)
Entries 111984
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

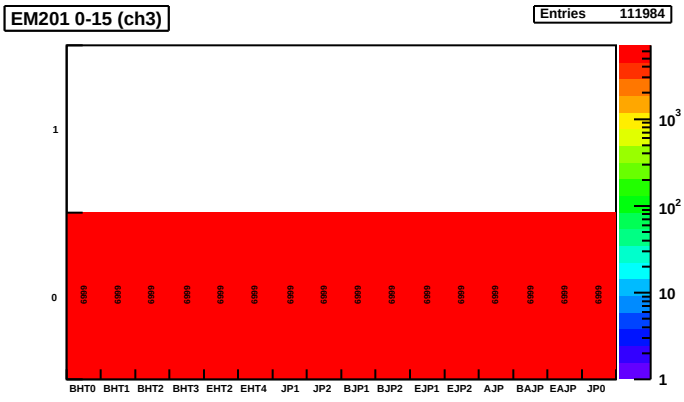

TF201 0-15 (ch0)
Entries 20966
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

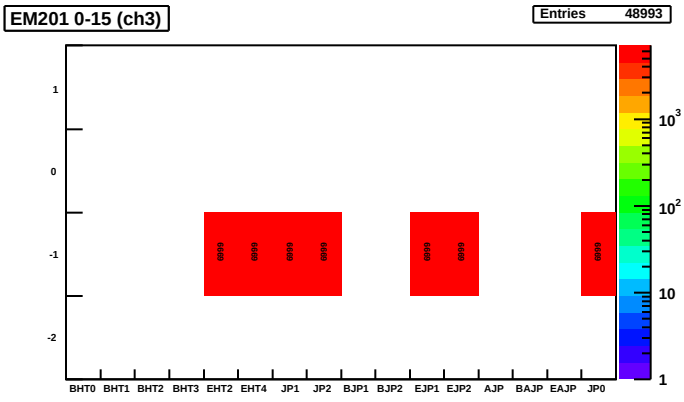

VT201 0-15 (ch1)
Entries 111984
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 69990
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

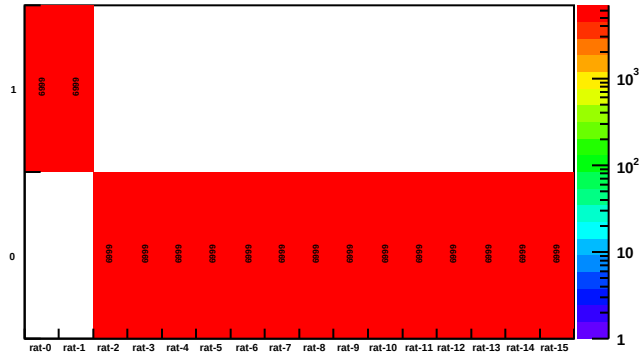

Unused (ch2)
Entries 111984

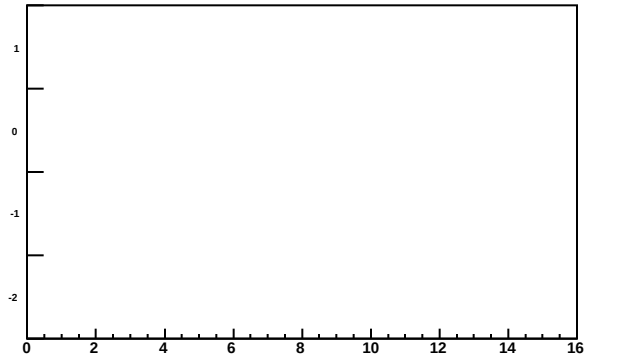

Entries 0


EM201 0-15 (ch3)
Entries 111984
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

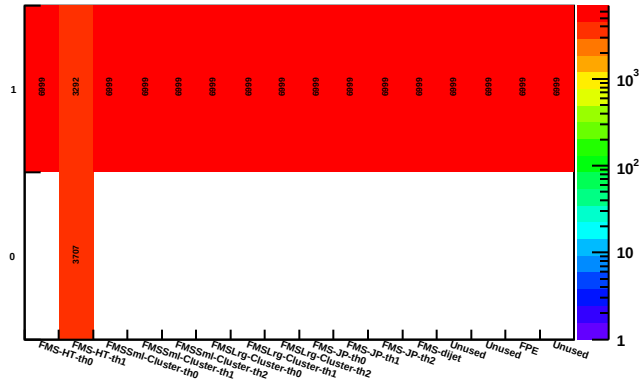

EM201 0-15 (ch3)
Entries 48993
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

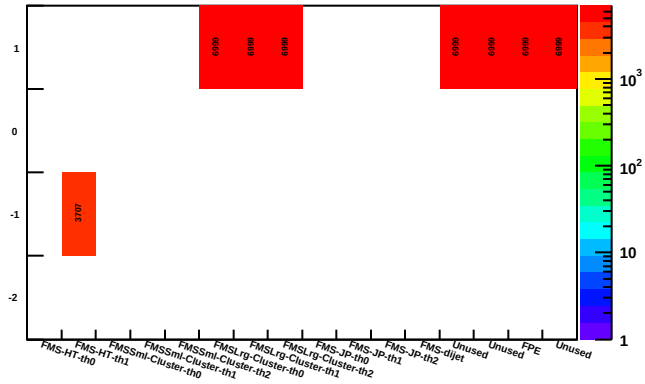




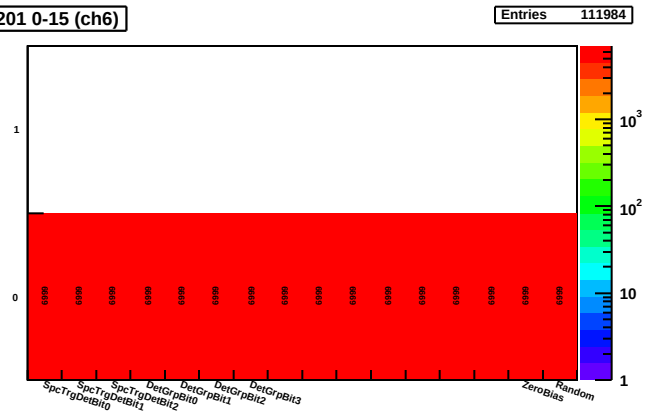
FP201 0-15 (ch5)

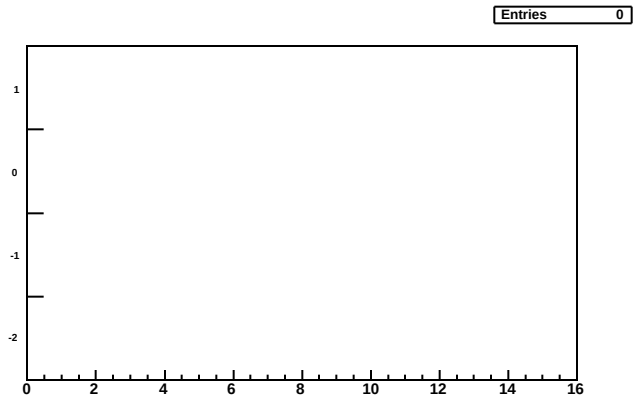
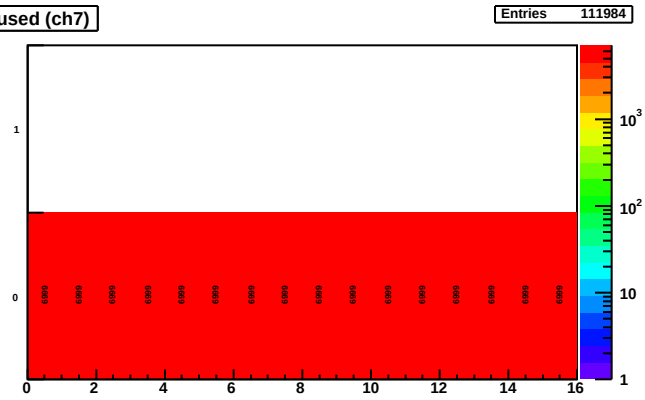
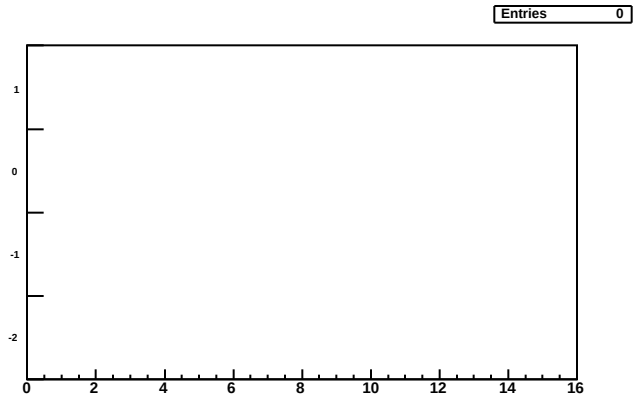


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)