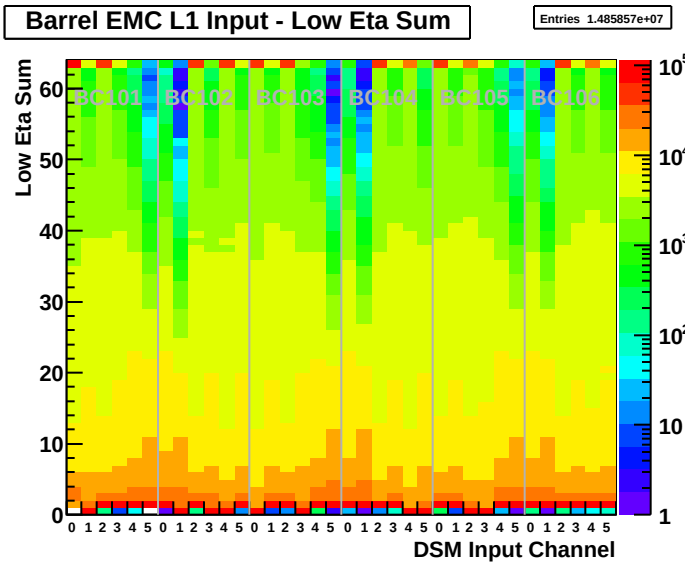
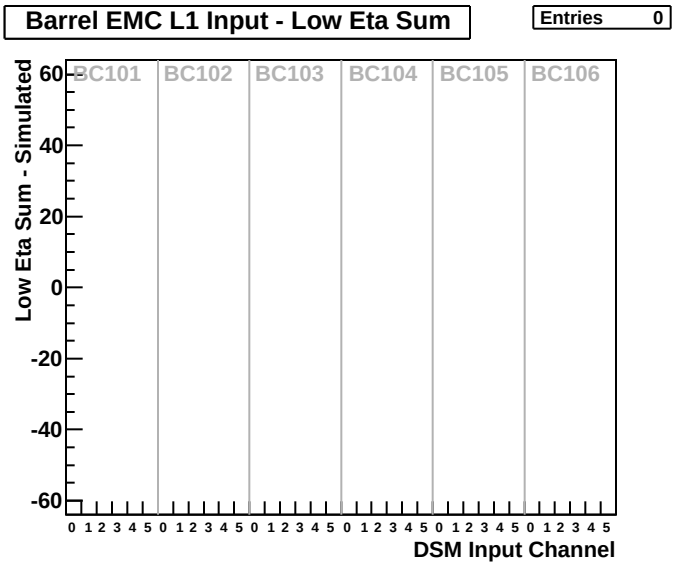
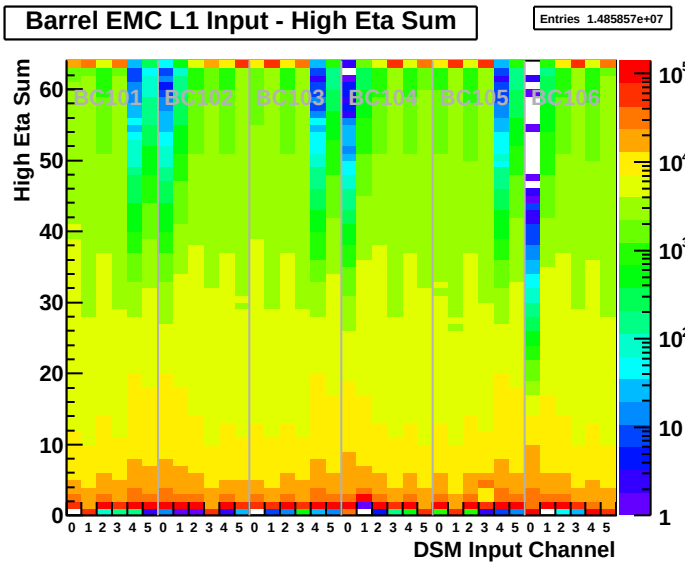
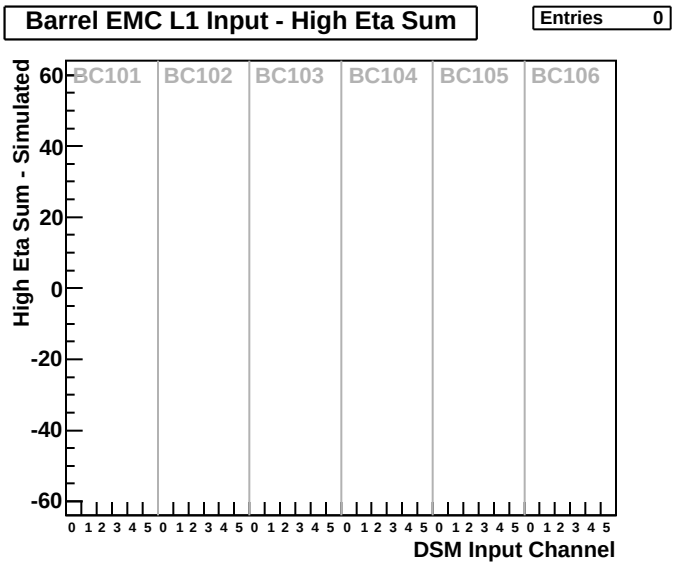
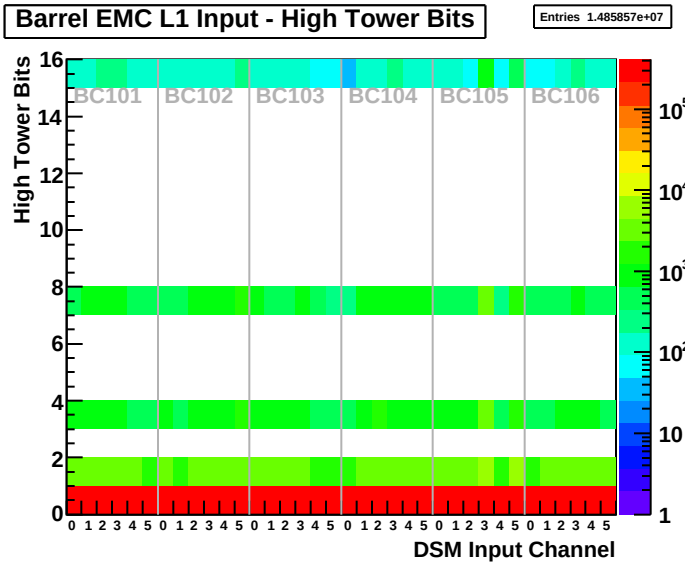
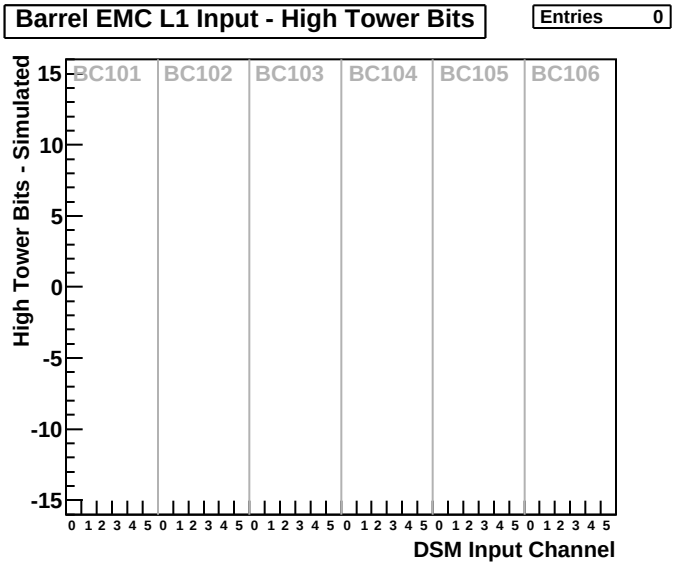

Barrel EMC L1 Input - Low Eta Sum
Entries 1.485857e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

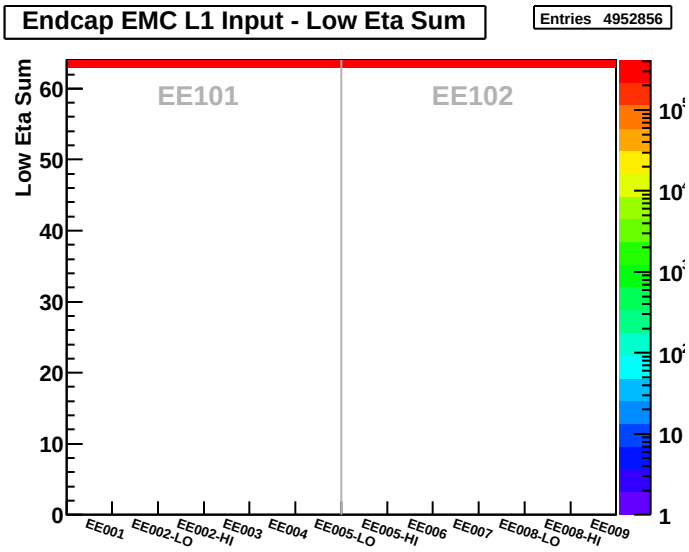

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

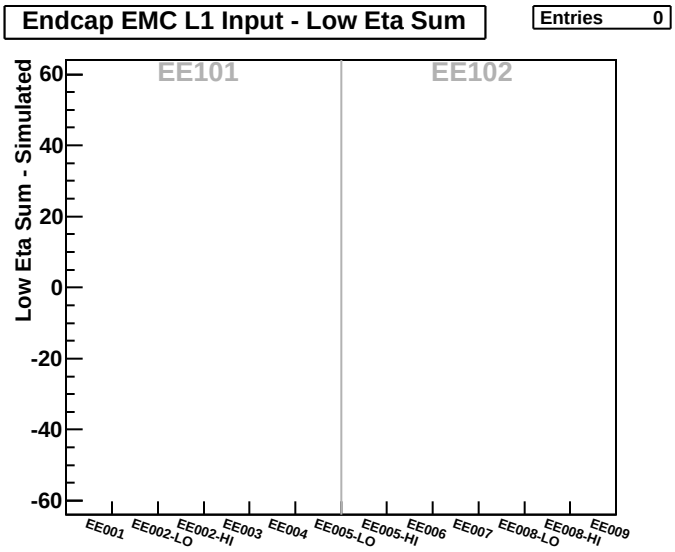

Barrel EMC L1 Input - High Eta Sum
Entries 1.485857e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

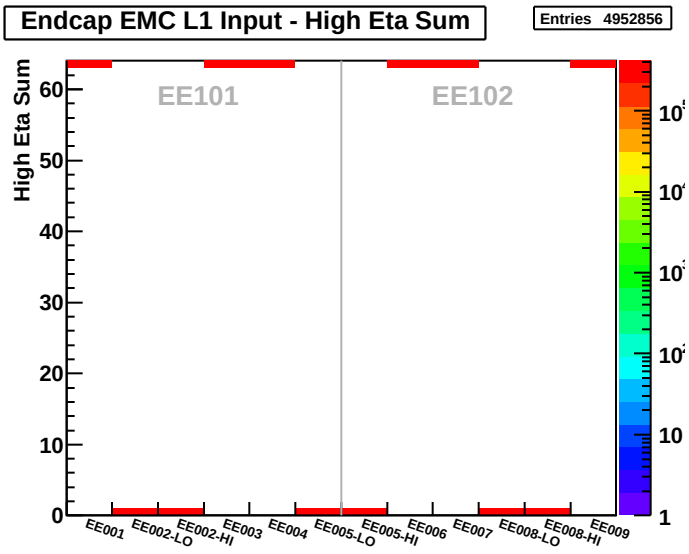

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

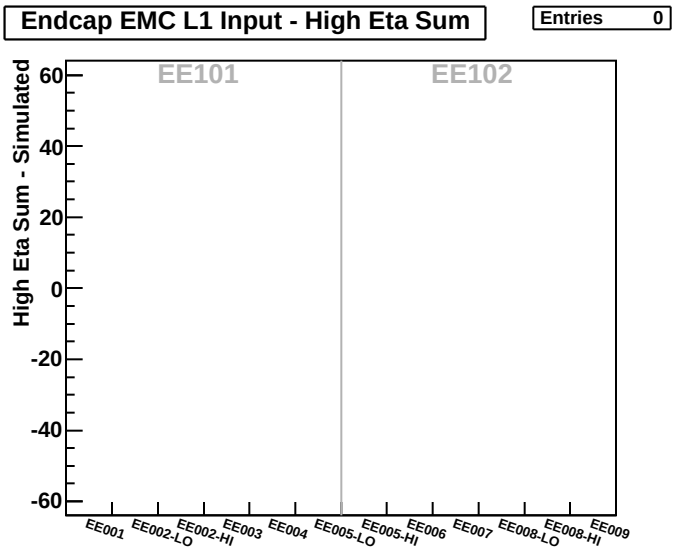

Barrel EMC L1 Input - High Tower Bits
Entries 1.485857e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

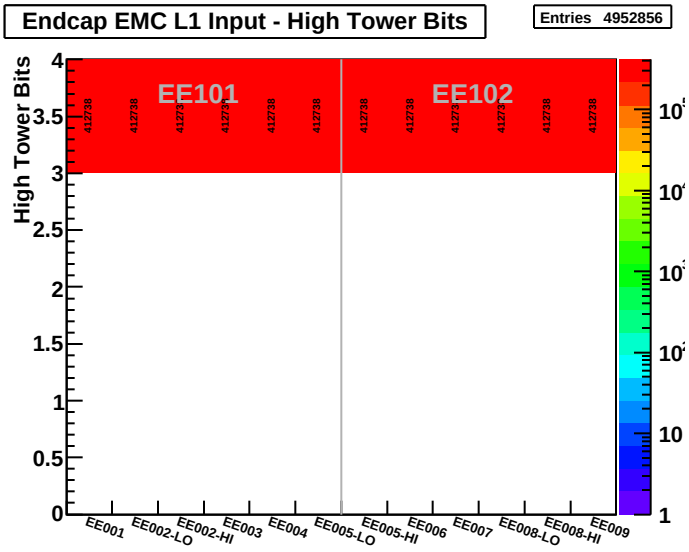

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

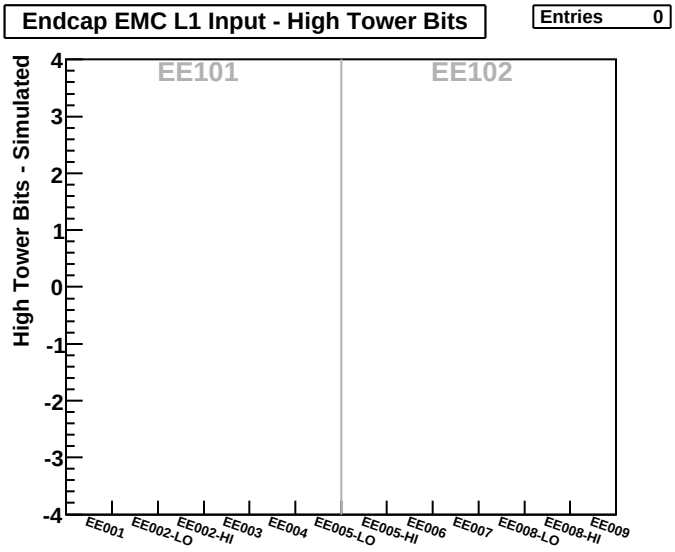

Endcap EMC L1 Input - Low Eta Sum
Entries 4952856
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

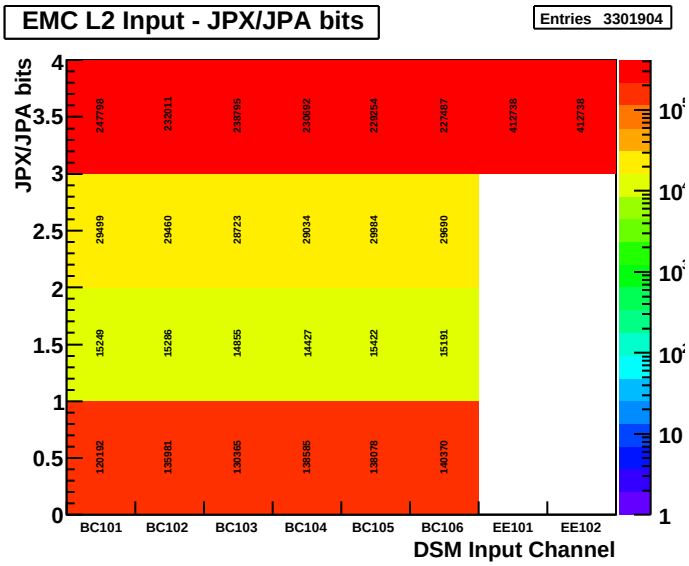

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

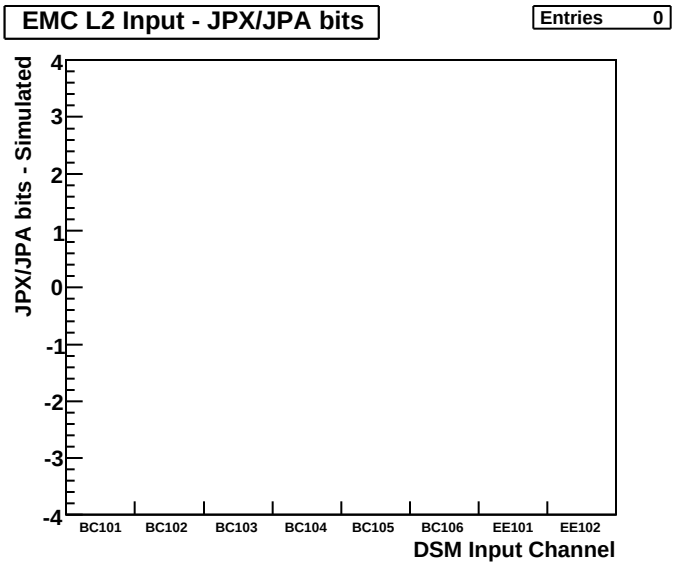

Endcap EMC L1 Input - High Eta Sum
Entries 4952856
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

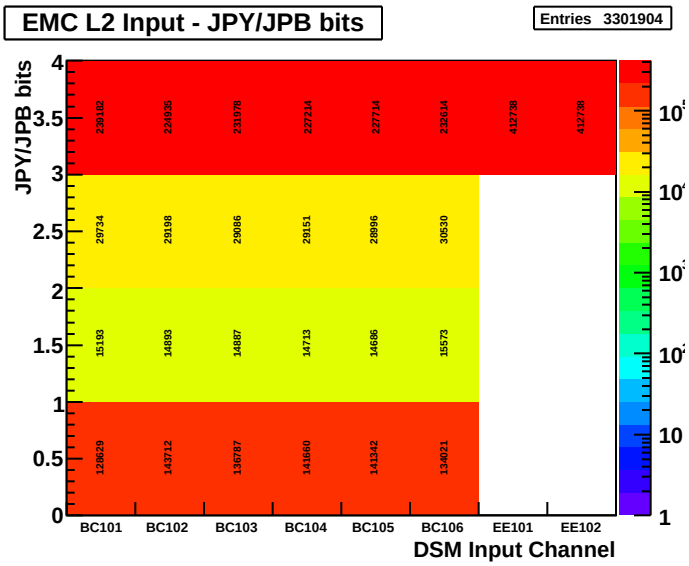

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

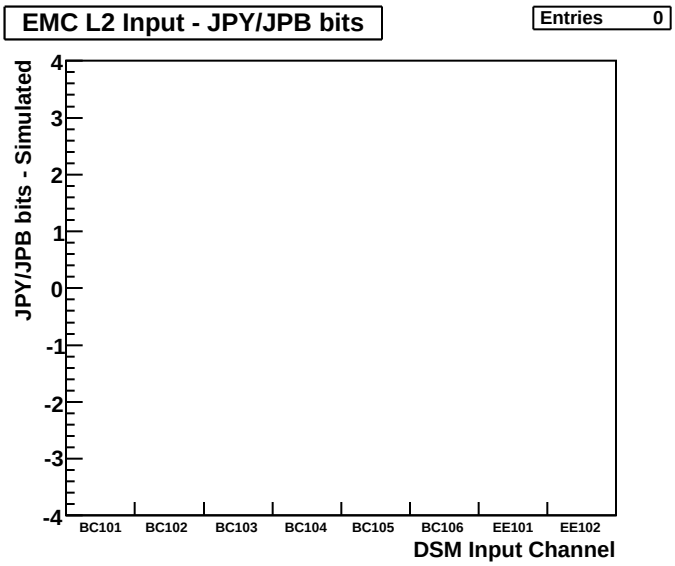

Endcap EMC L1 Input - High Tower Bits
Entries 4952856
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

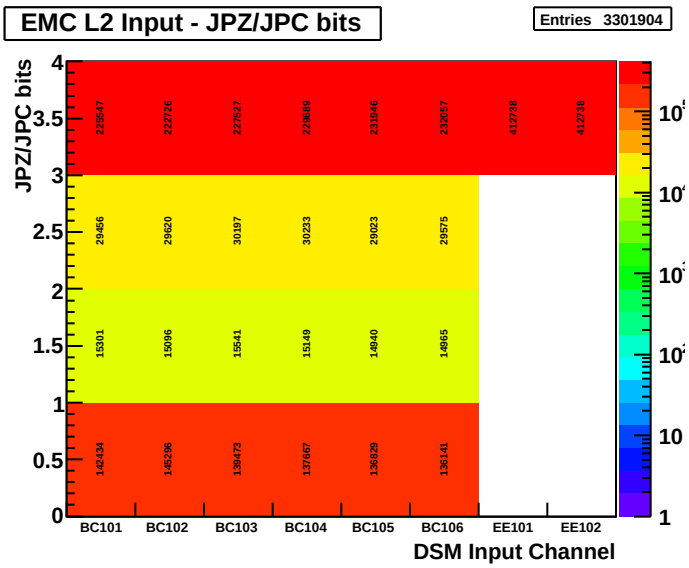

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

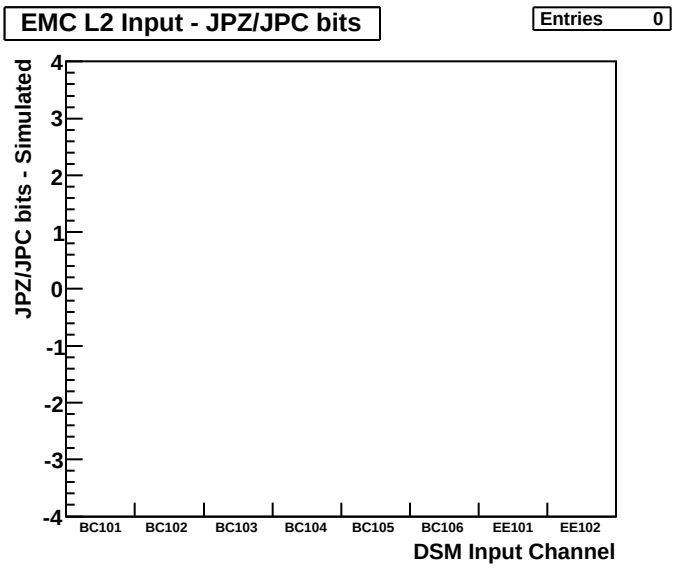

EMC L2 Input - JPX/JPA bits
Entries 3301904
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
247798 233011 238795 230692 229254 227487 412738 412738
29499 29460 28723 29034 29984 29690
15249 15286 14855 14427 15422 15191
120192 135981 130365 138585 138078 140370

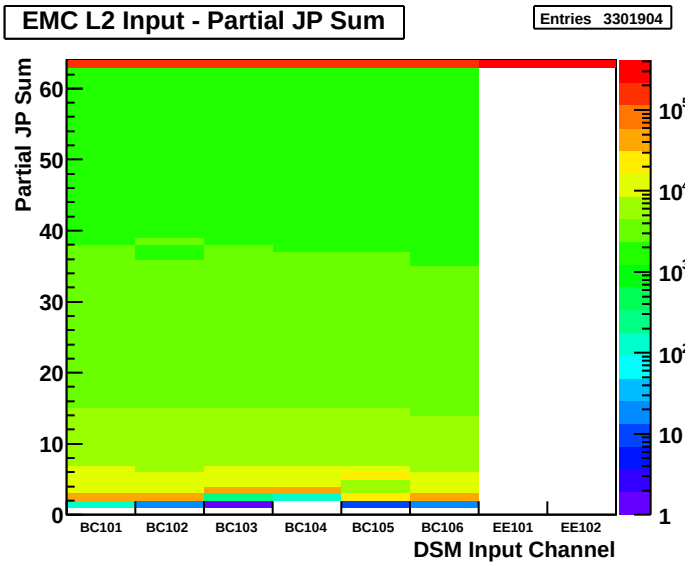

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

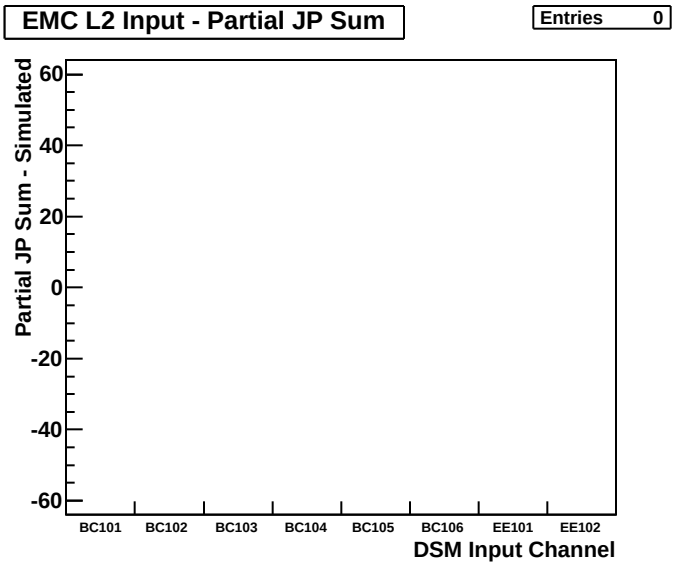

EMC L2 Input - JPY/JPB bits
Entries 3301904
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
238182 224935 231978 227214 227714 232614 412738 412738
29734 29198 29086 29151 28996 30530
15193 14893 14887 14713 14686 15573
128629 143712 136787 141660 141342 134021

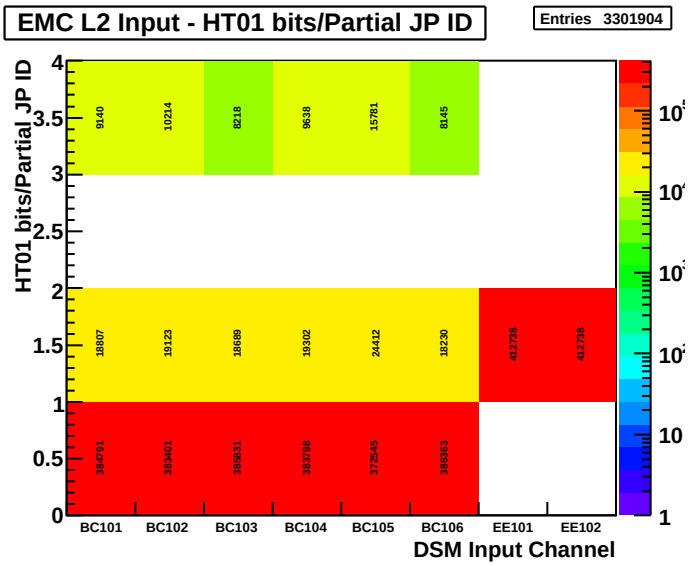

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

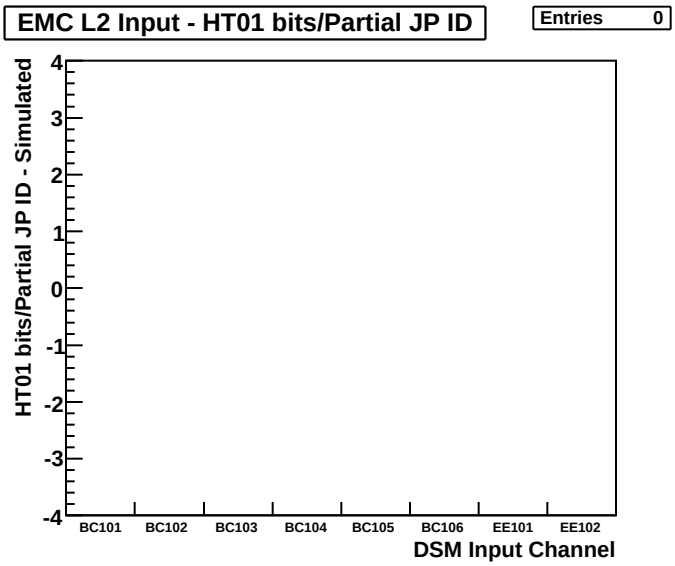

EMC L2 Input - JPZ/JPC bits
Entries 3301904
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
225547 227726 227527 226689 231946 232057 412738 412738
29456 29620 30197 30233 29023 29575
15301 15096 15541 15149 14940 14965
142434 145296 139473 137667 136829 136141

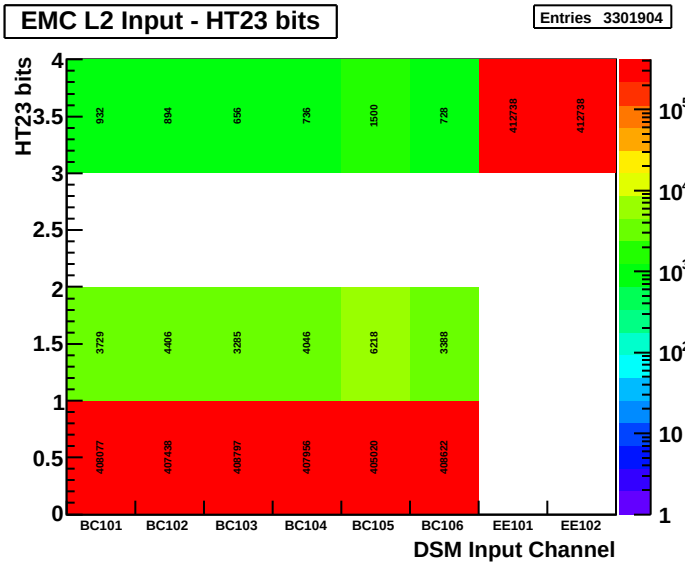

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

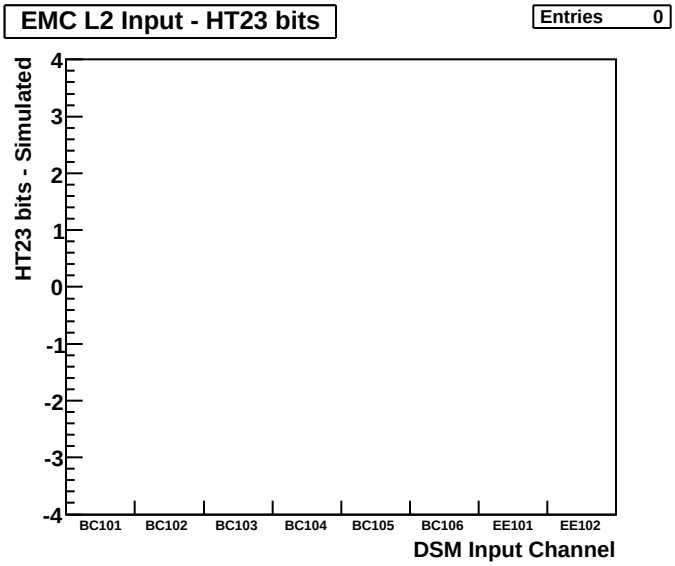

EMC L2 Input - Partial JP Sum
Entries 3301904
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

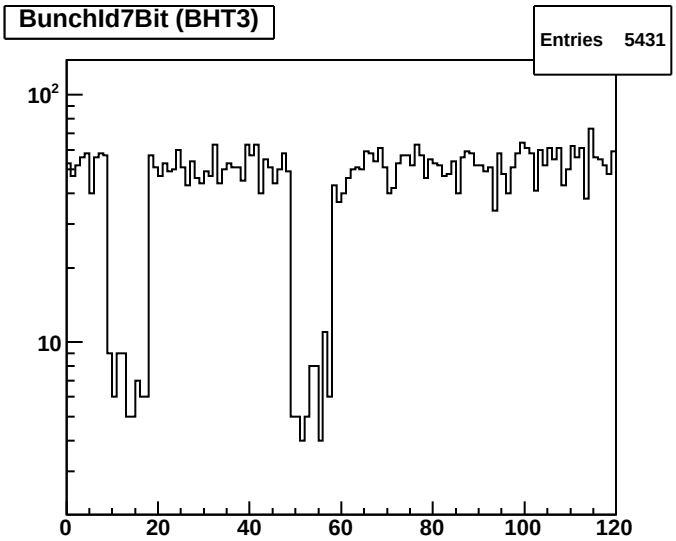

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

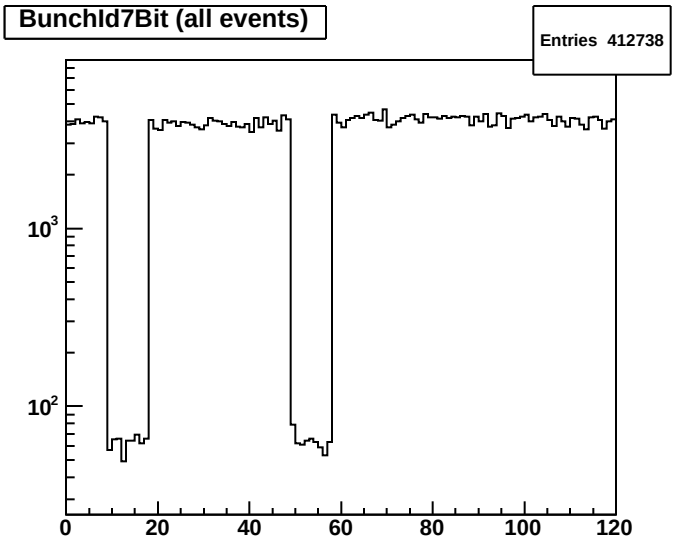

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3301904
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

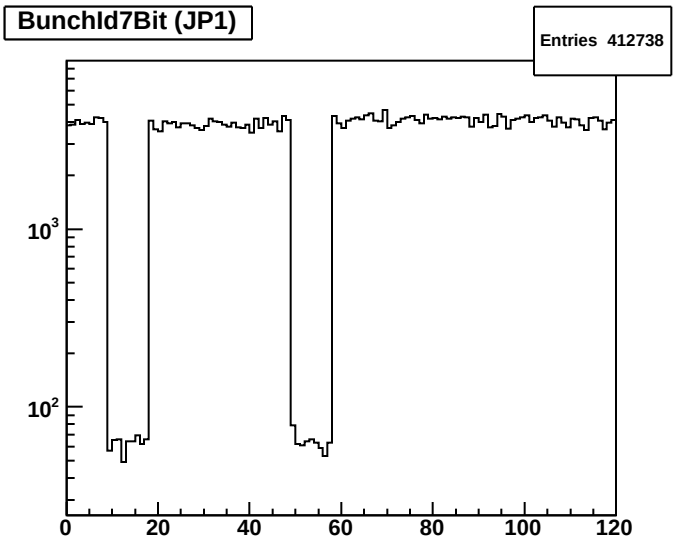

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

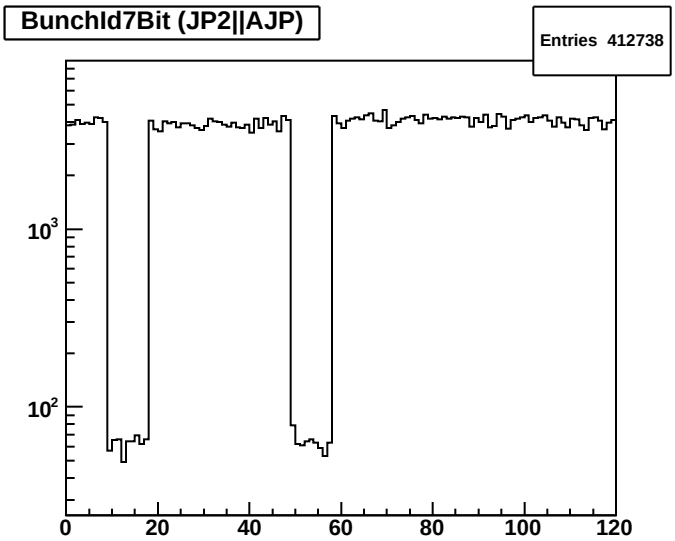

EMC L2 Input - HT23 bits
Entries 3301904
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

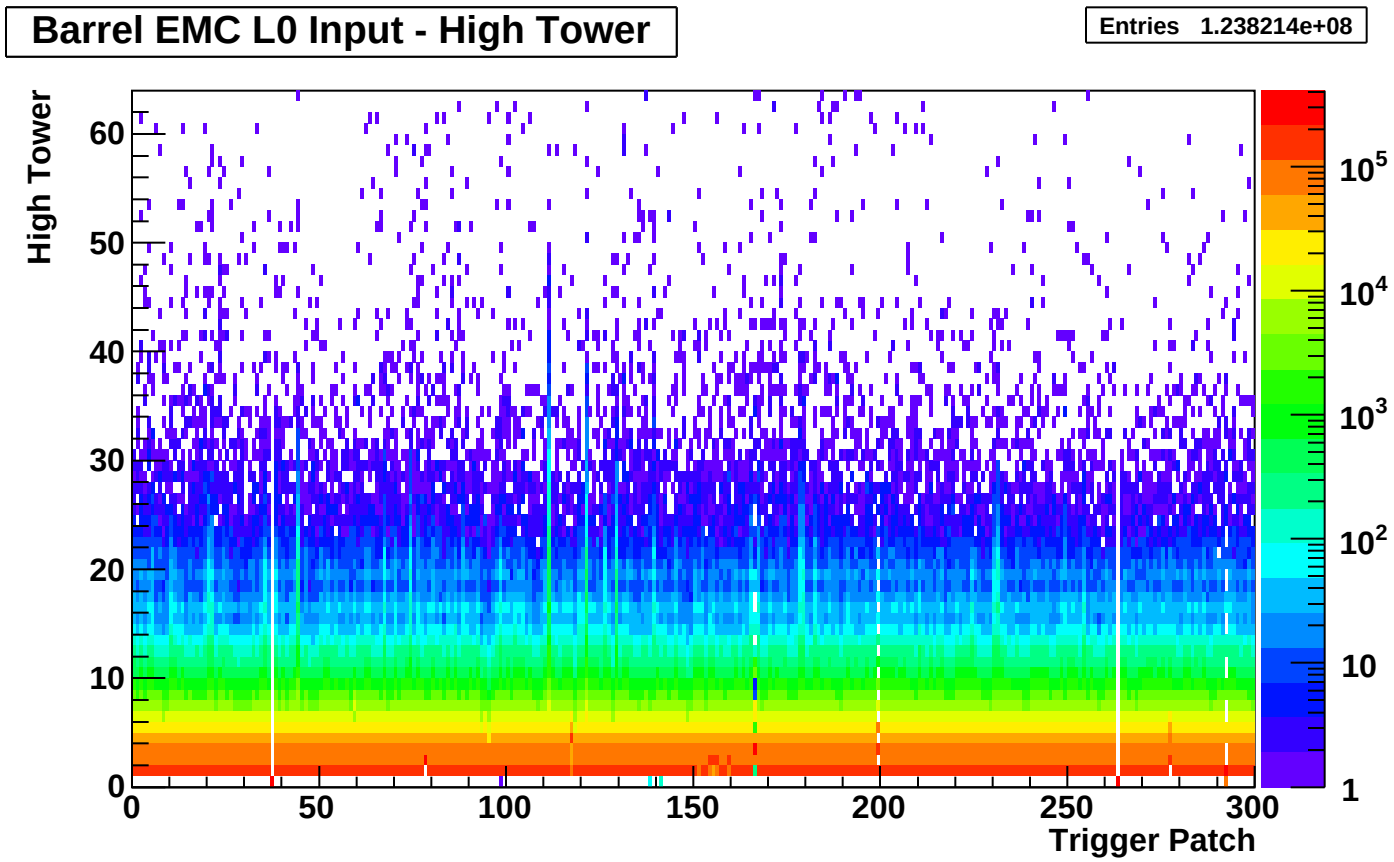

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

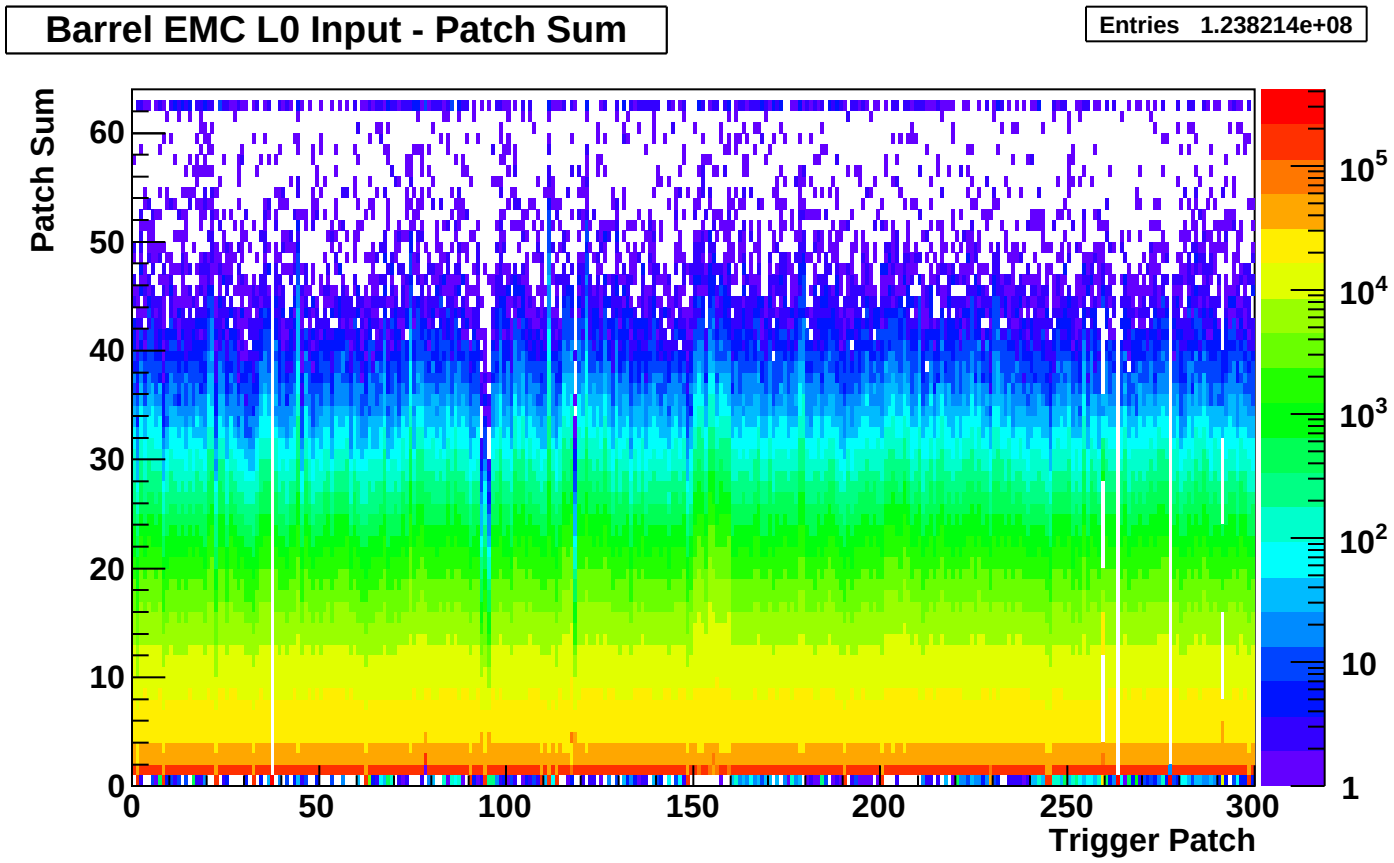

BunchId7Bit (BHT3)
Entries 5431
10^2
10
0
20
40
60
80
100
120

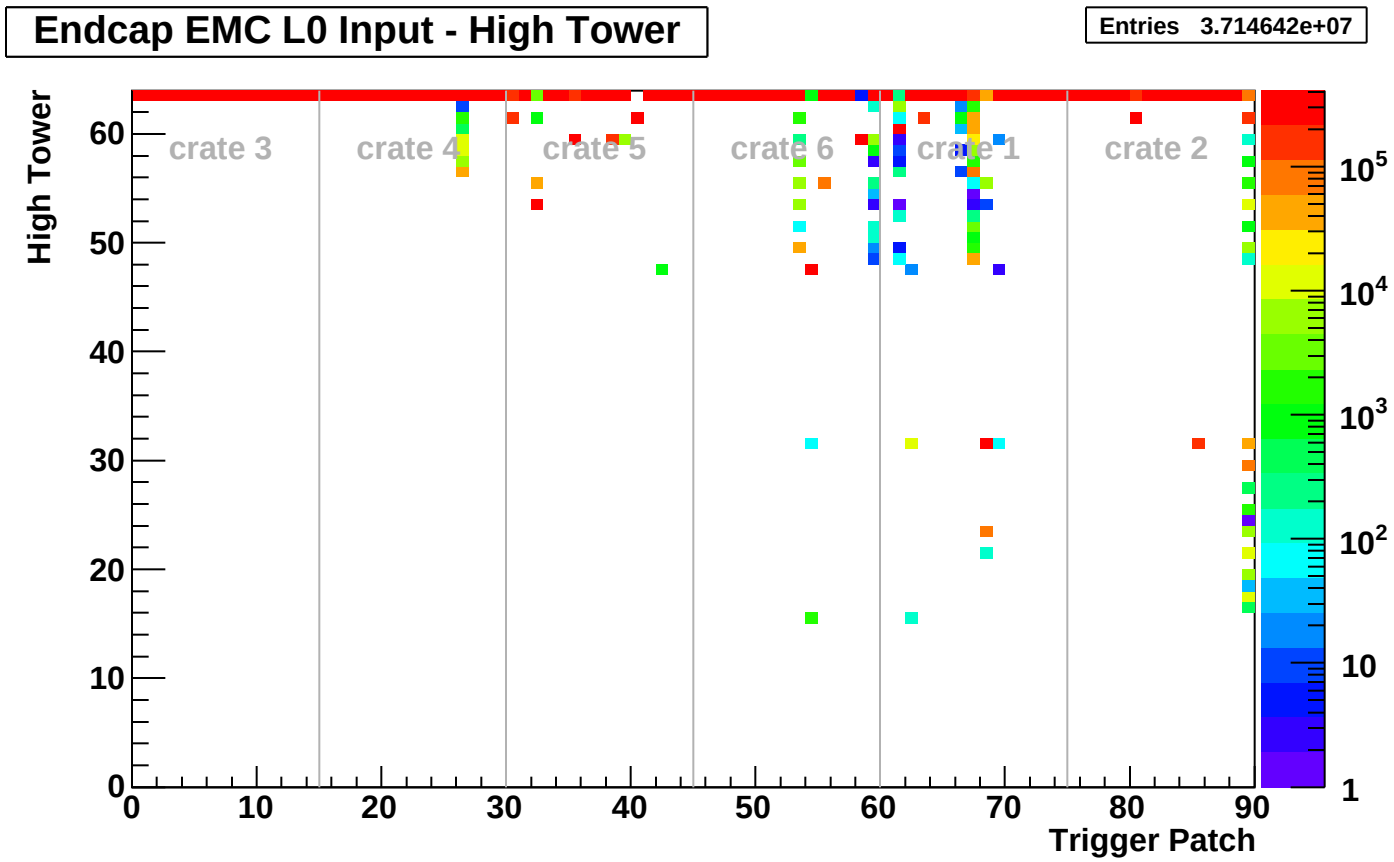

BunchId7Bit (all events)
Entries 412738
10^3
10^2
0
20
40
60
80
100
120

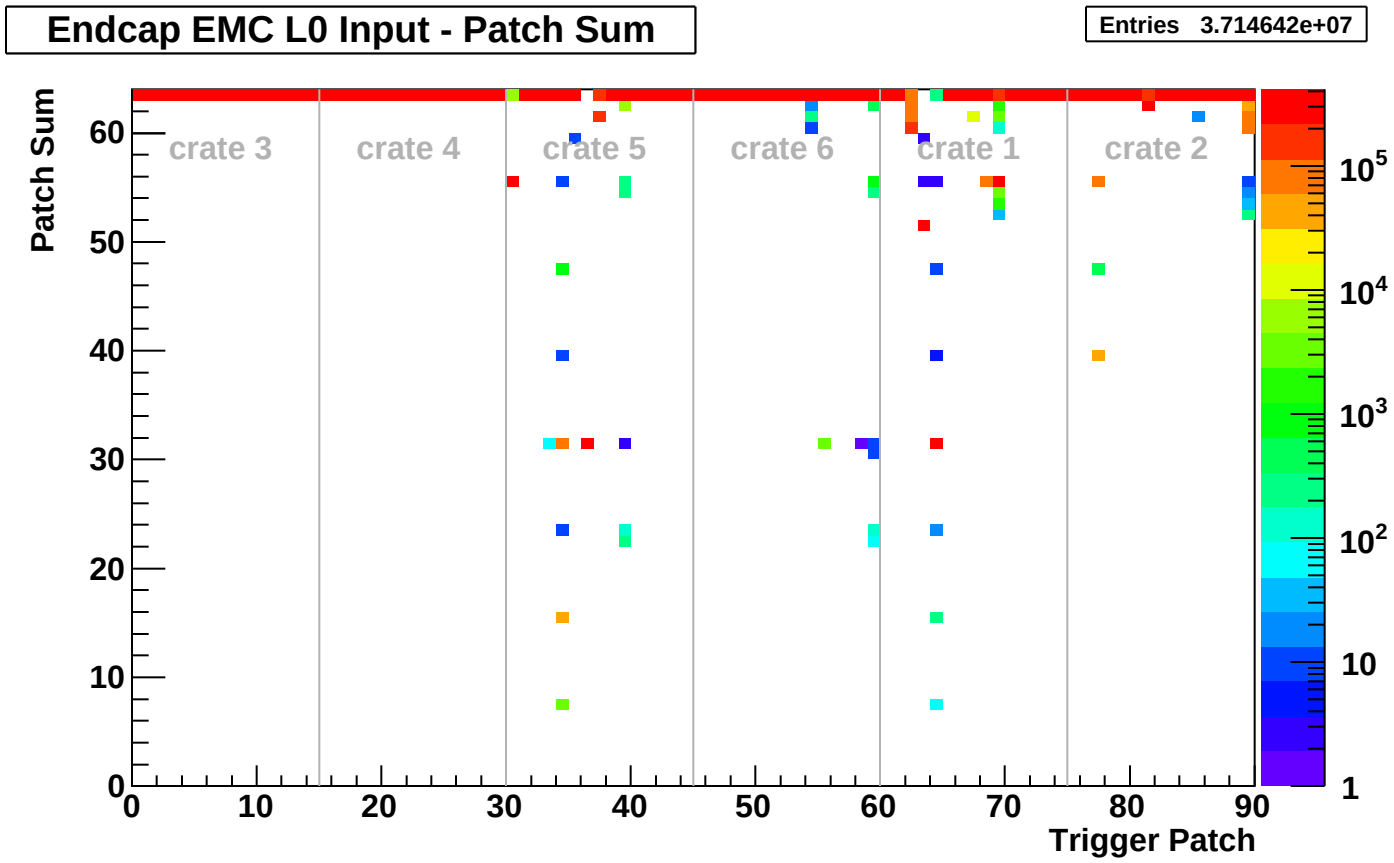

BunchId7Bit (JP1)
Entries 412738
10^3
10^2
0
20
40
60
80
100
120

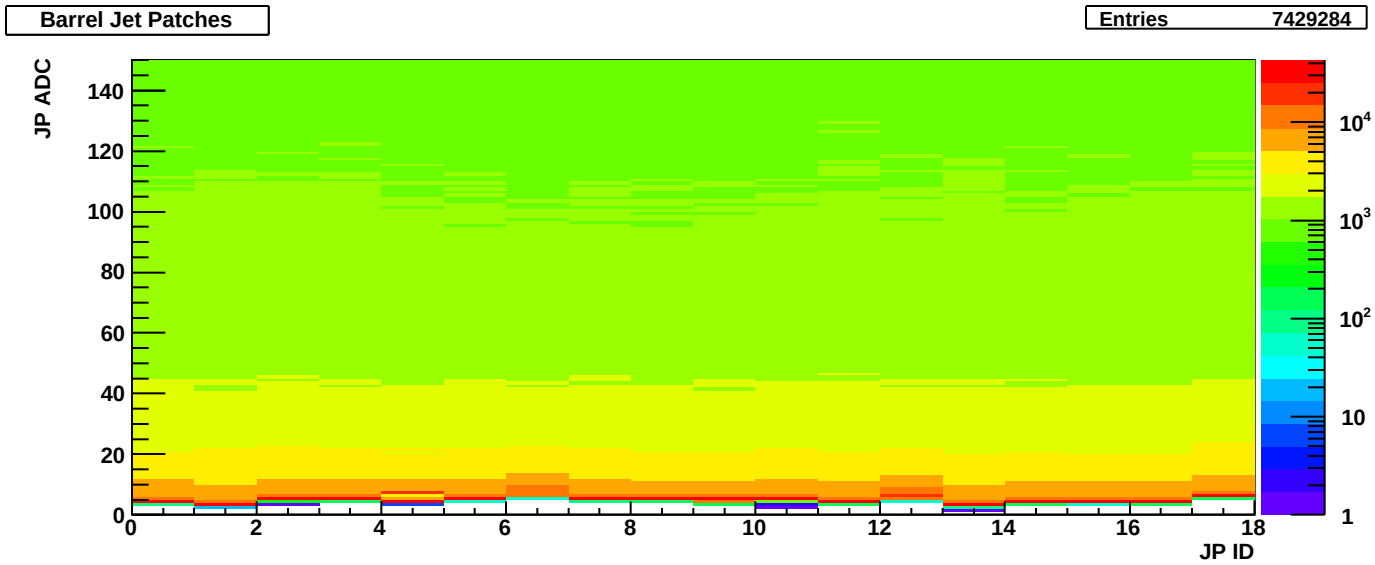

BunchId7Bit (JP2||AJP)
Entries 412738
10^3
10^2
0
20
40
60
80
100
120

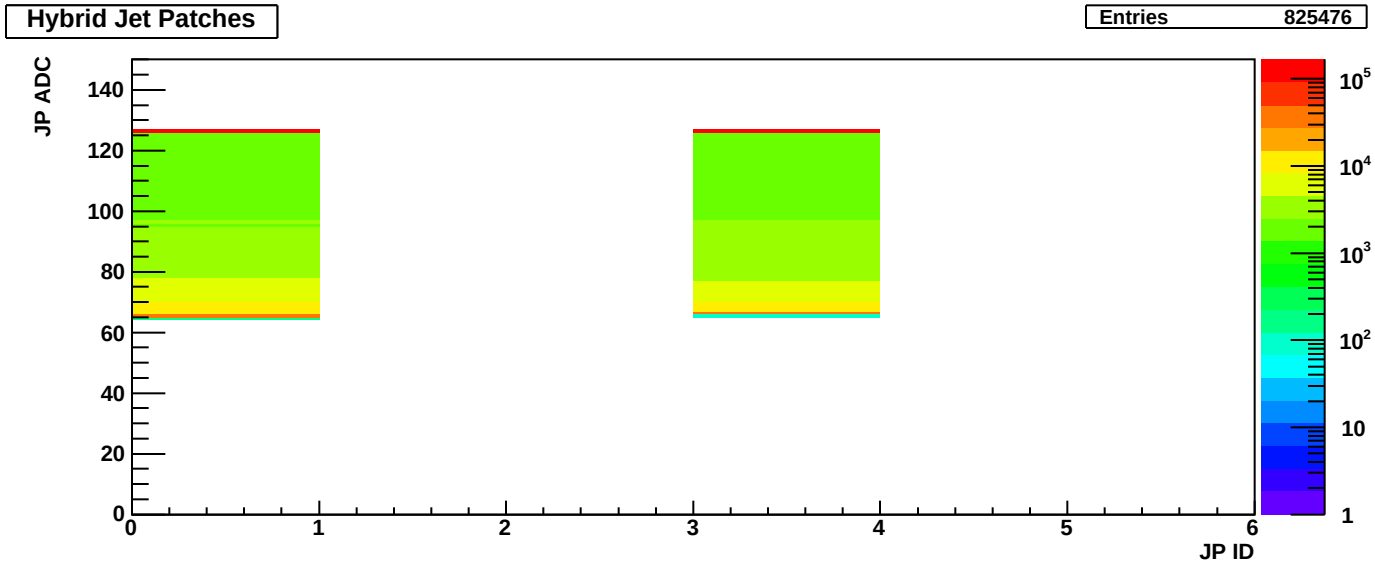

Barrel EMC L0 Input - High Tower
Entries 1.238214e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

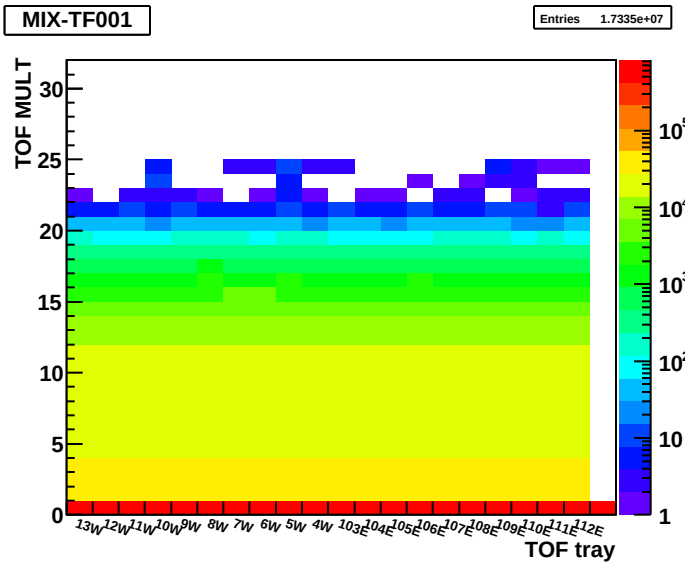

Barrel EMC L0 Input - Patch Sum
Entries 1.238214e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

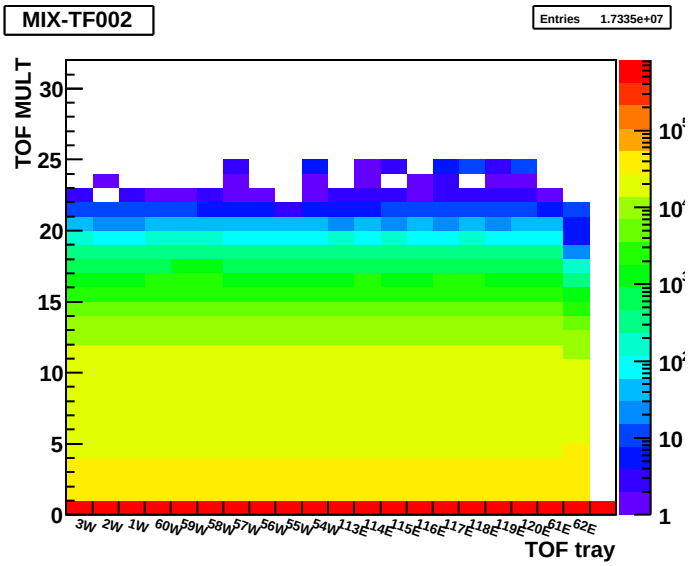

Endcap EMC L0 Input - High Tower
Entries 3.714642e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

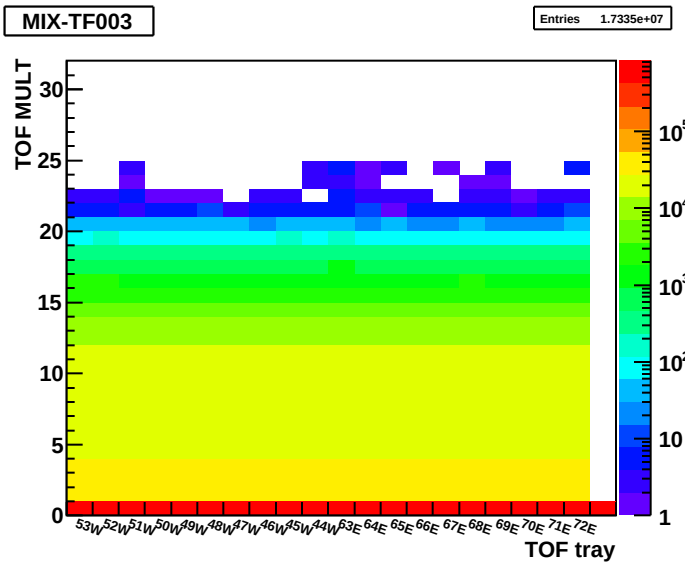

Endcap EMC L0 Input - Patch Sum
Entries 3.714642e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

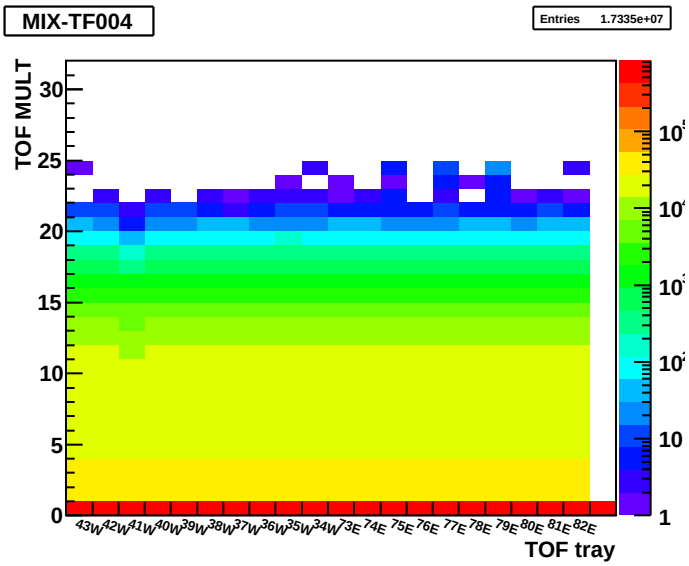

Barrel Jet Patches
Entries 7429284
JP ADC
JP ID

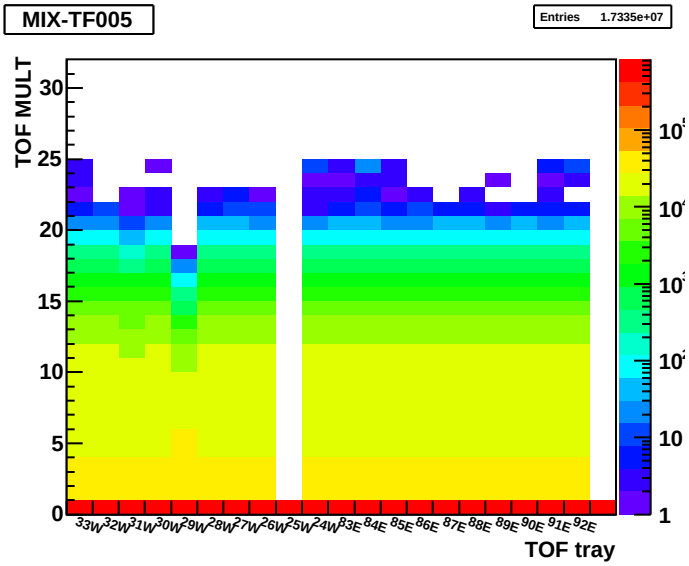

Hybrid Jet Patches
Entries 825476
JP ADC
JP ID

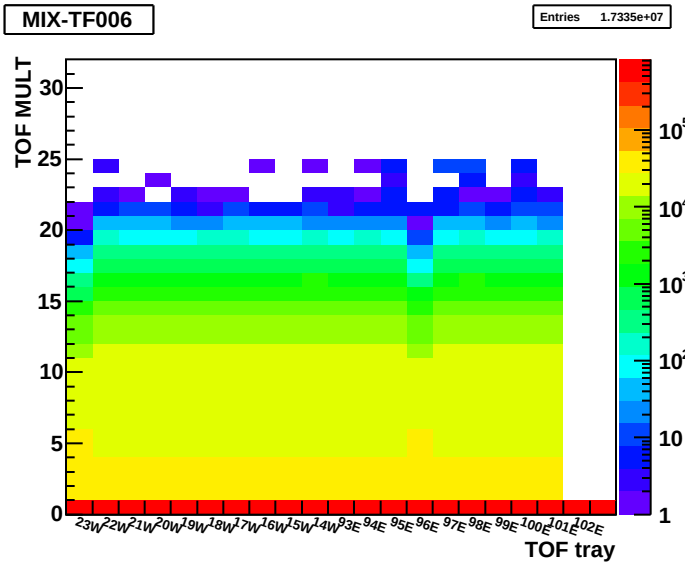

MIX-TF001
Entries 1.7335e+07
TOF MULT
TOF tray

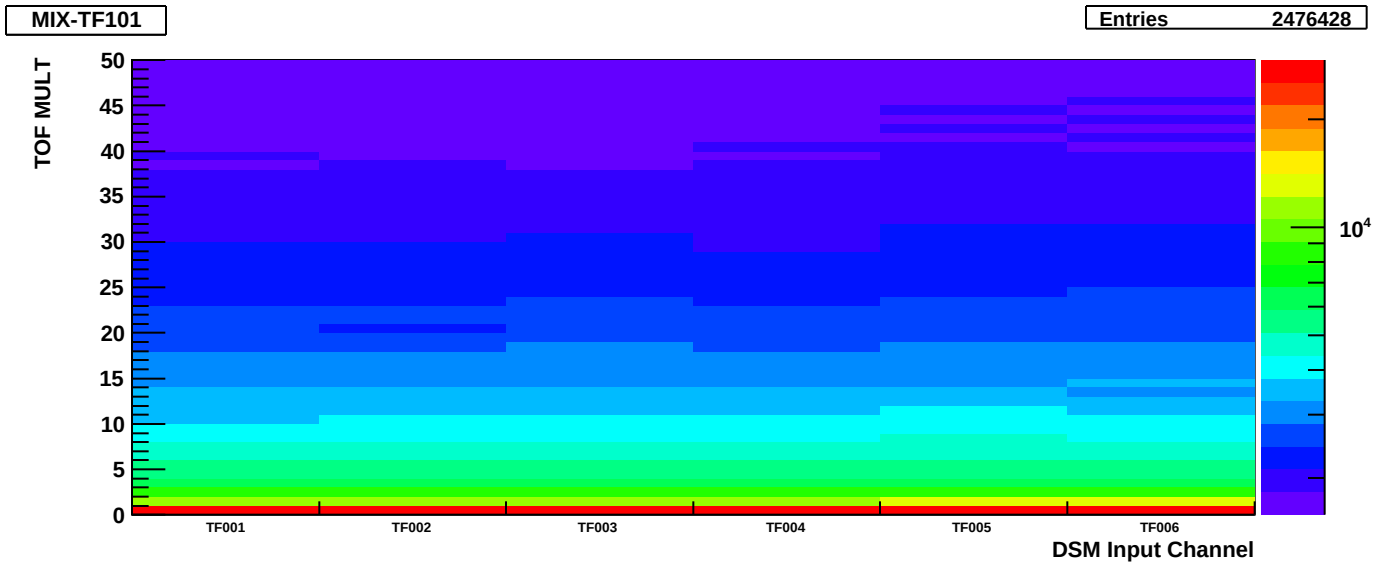

MIX-TF002
Entries 1.7335e+07
TOF MULT
TOF tray

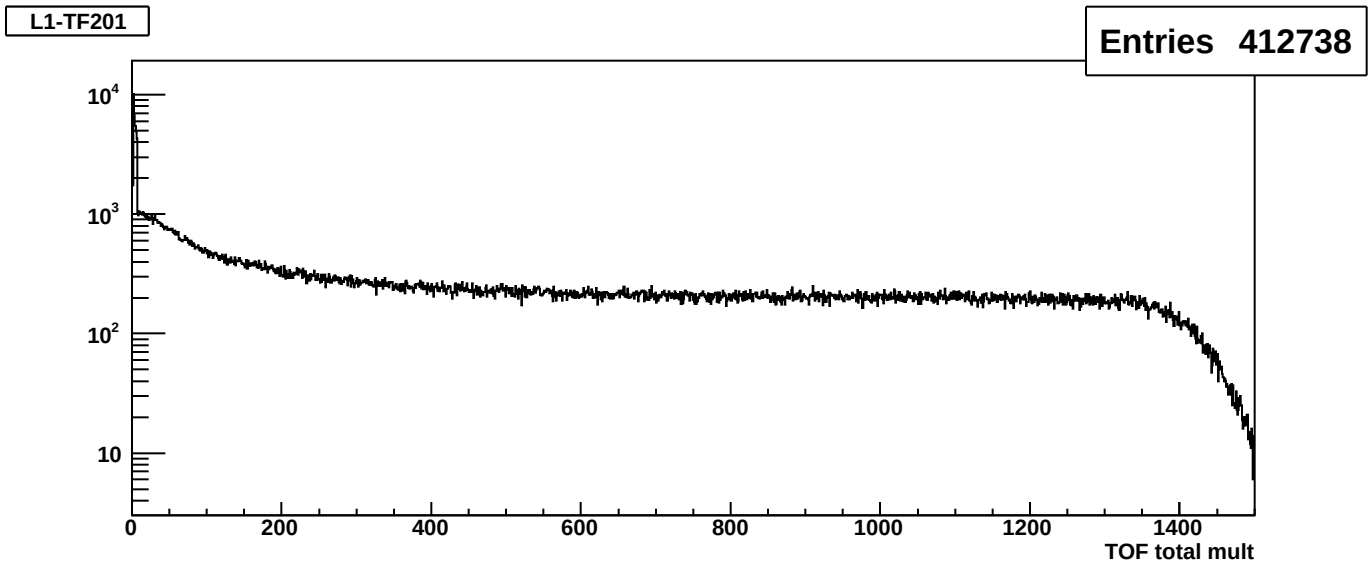

MIX-TF003
Entries 1.7335e+07
TOF MULT
TOF tray

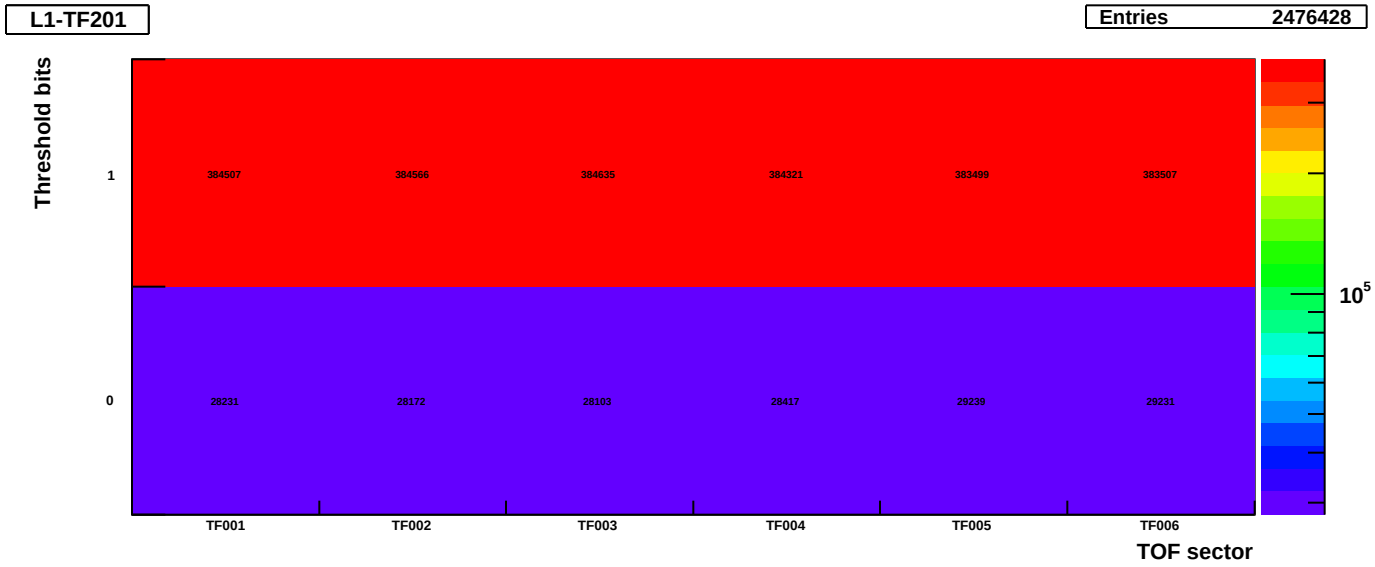

MIX-TF004
Entries 1.7335e+07
TOF MULT
TOF tray

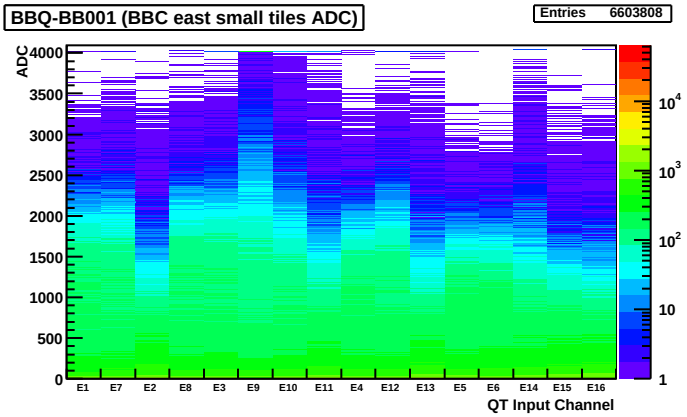

MIX-TF005
Entries 1.7335e+07
TOF MULT
TOF tray

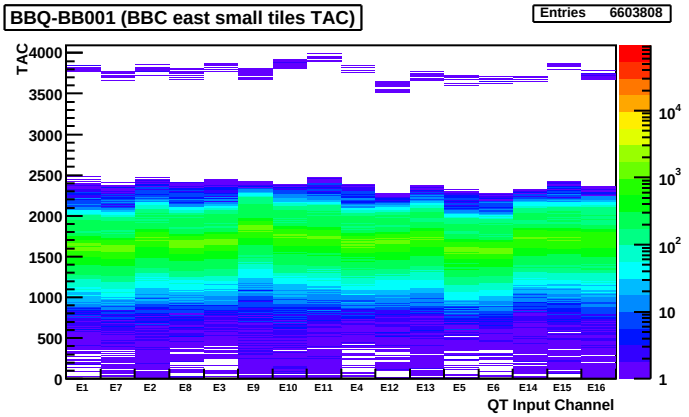

MIX-TF006
Entries 1.7335e+07
TOF MULT
TOF tray

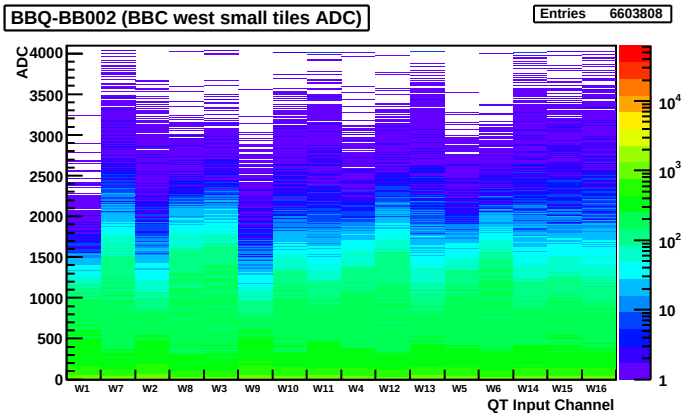

MIX-TF101
Entries 2476428
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

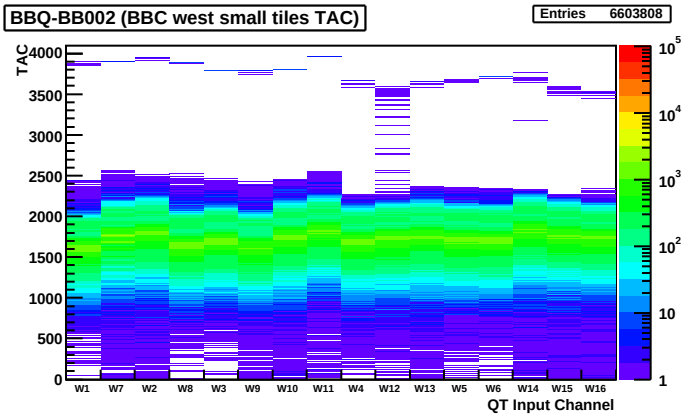

L1-TF201
Entries 412738
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

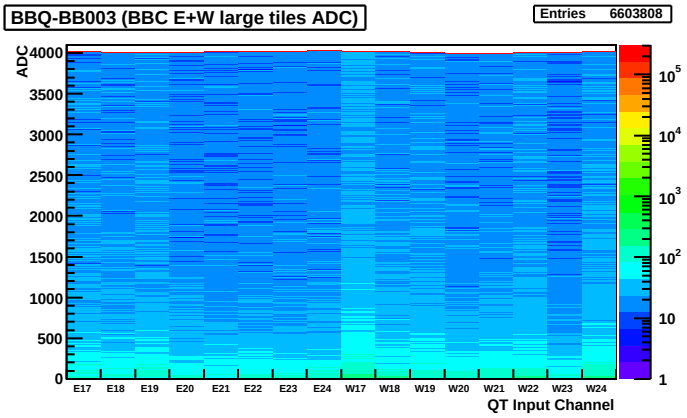

L1-TF201
Entries 2476428
Threshold bits
1
0
384507
384566
384635
384321
383499
383507
28231
28172
28103
28417
29239
29231
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

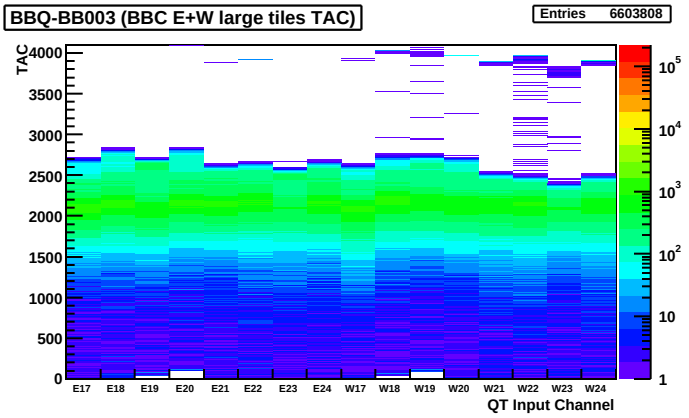

BBQ-BB001 (BBC east small tiles ADC)
Entries 6603808
ADC
QT Input Channel

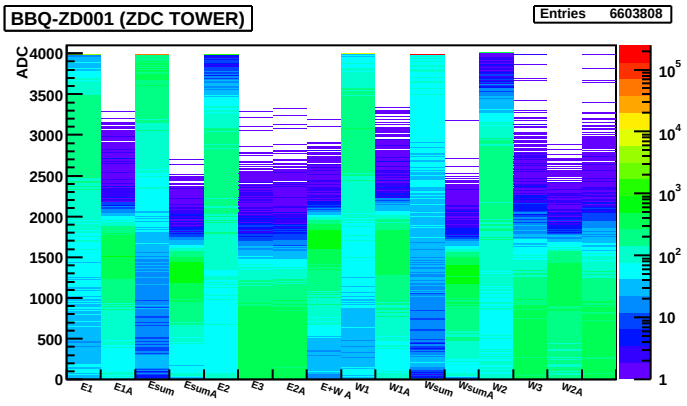

BBQ-BB001 (BBC east small tiles TAC)
Entries 6603808
TAC
QT Input Channel

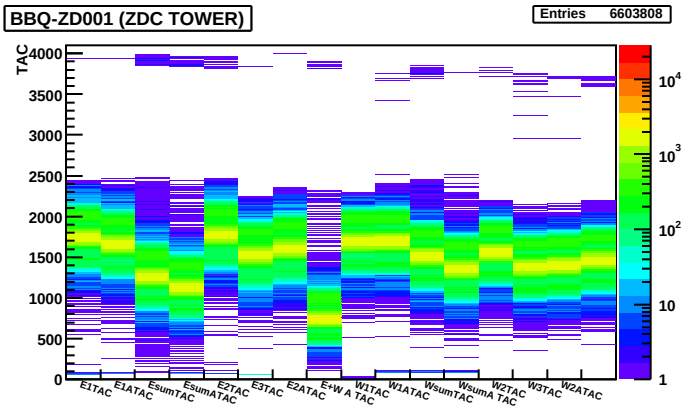

BBQ-BB002 (BBC west small tiles ADC)
Entries 6603808
ADC
QT Input Channel

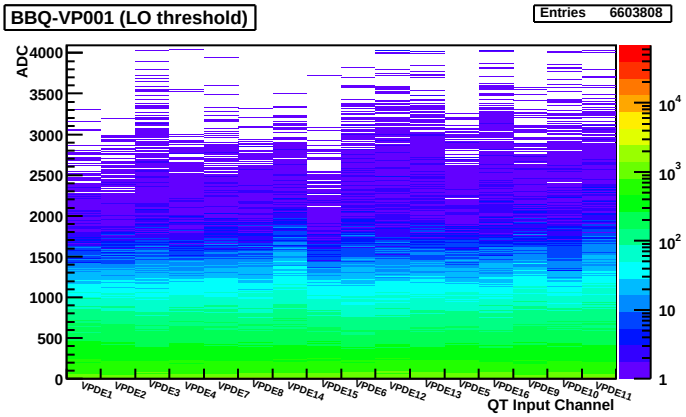

BBQ-BB002 (BBC west small tiles TAC)
Entries 6603808
TAC
QT Input Channel

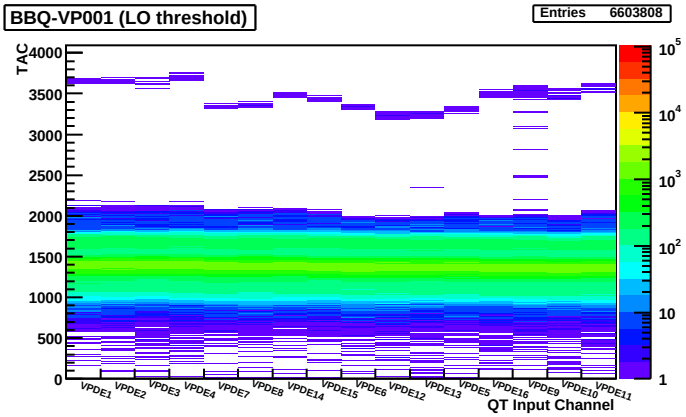

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 6603808
ADC
QT Input Channel

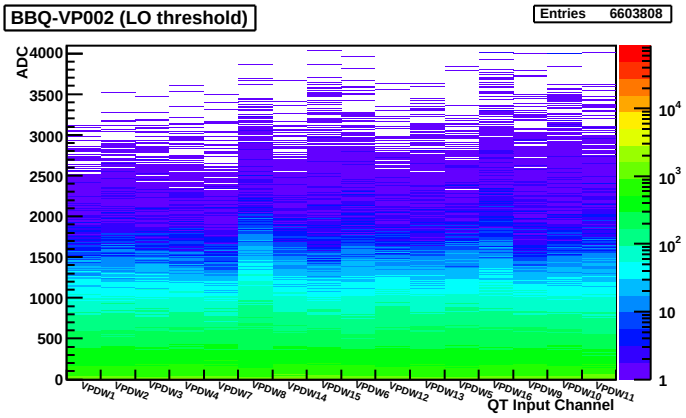

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 6603808
TAC
QT Input Channel

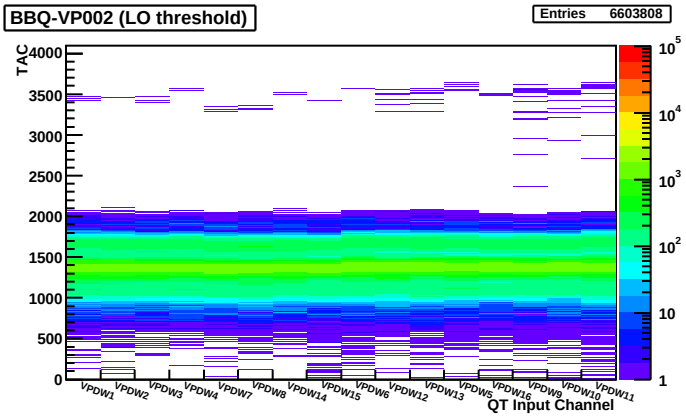

BBQ-ZD001 (ZDC TOWER)
Entries 6603808
ADC

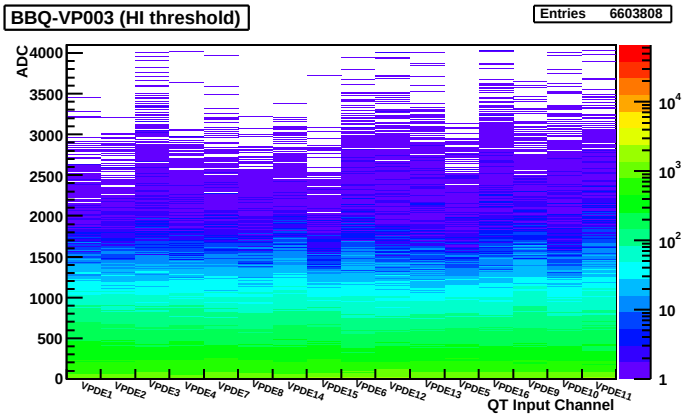

BBQ-ZD001 (ZDC TOWER)
Entries 6603808
TAC

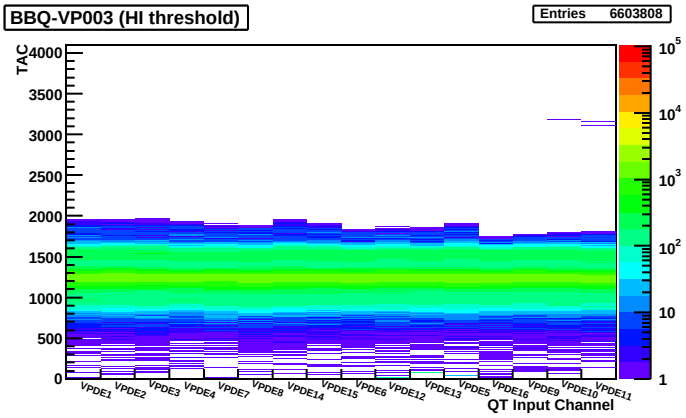

BBQ-VP001 (LO threshold)
Entries 6603808
ADC
QT Input Channel

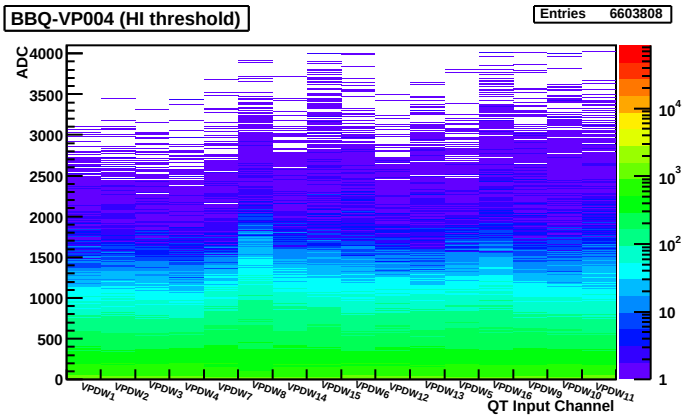

BBQ-VP001 (LO threshold)
Entries 6603808
TAC
QT Input Channel

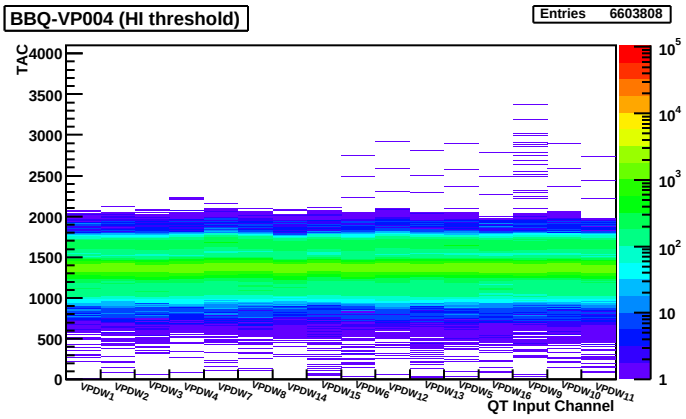

BBQ-VP002 (LO threshold)
Entries 6603808
ADC
QT Input Channel

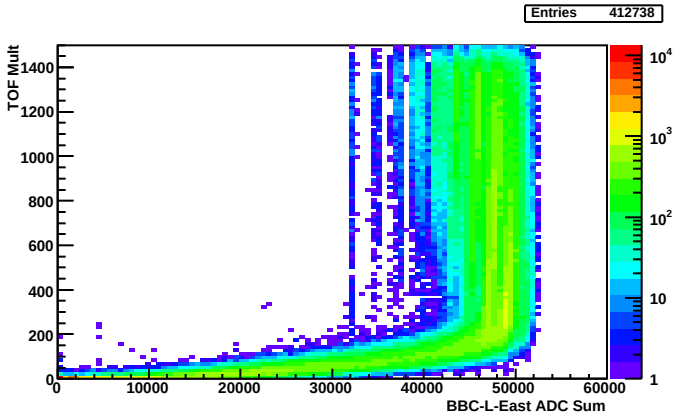

BBQ-VP002 (LO threshold)
Entries 6603808
TAC
QT Input Channel

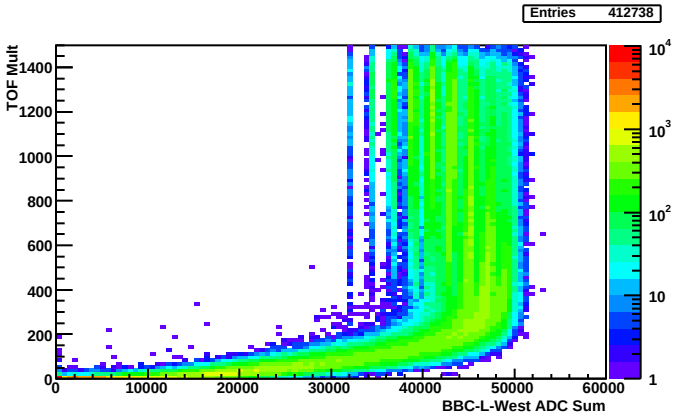

BBQ-VP003 (HI threshold)
Entries 6603808
ADC
QT Input Channel

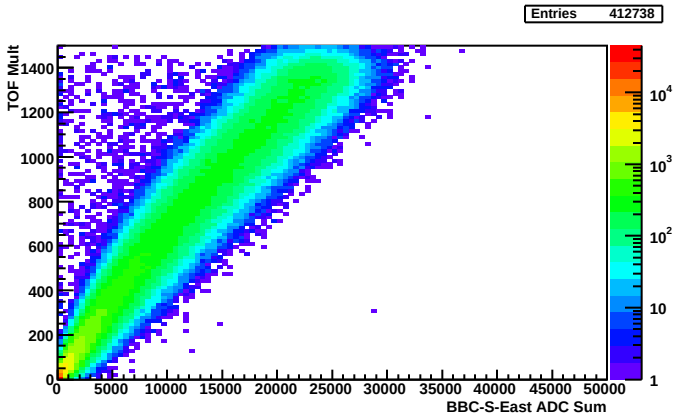

BBQ-VP003 (HI threshold)
Entries 6603808
TAC
QT Input Channel

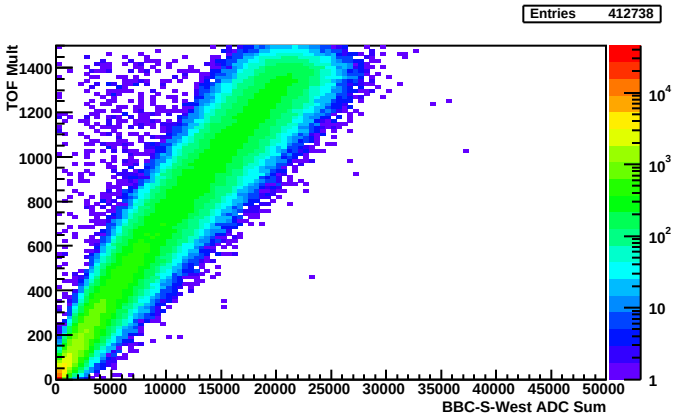

BBQ-VP004 (HI threshold)
Entries 6603808
ADC
QT Input Channel

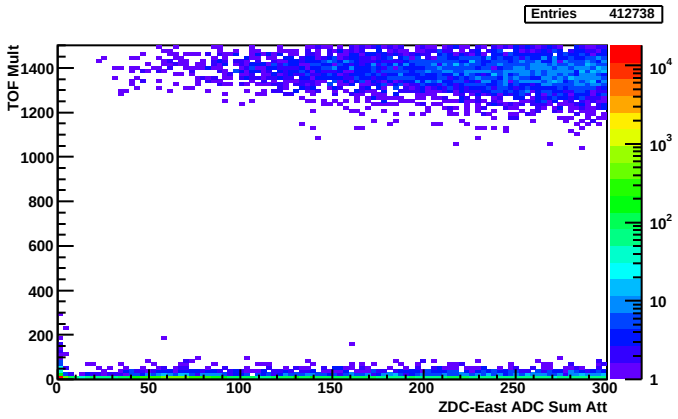

BBQ-VP004 (HI threshold)
Entries 6603808
TAC
QT Input Channel

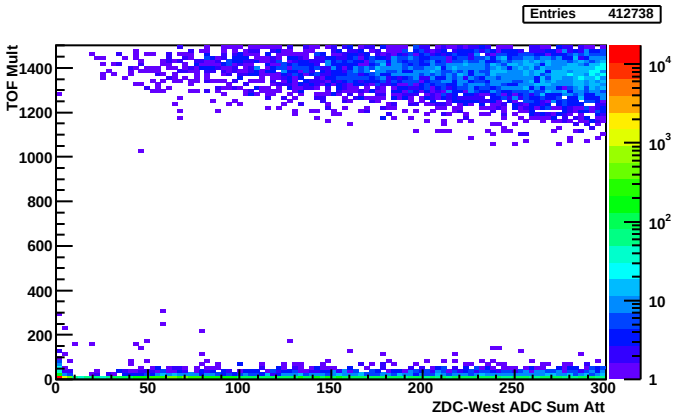

Entries 412738
TOF Mult
BBC-L-East ADC Sum

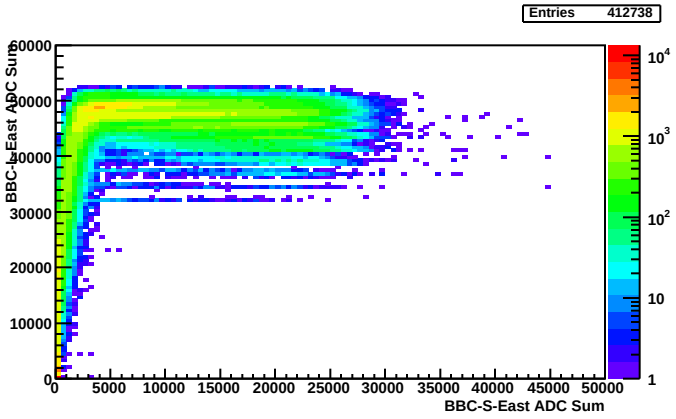

Entries 412738
TOF Mult
BBC-L-West ADC Sum

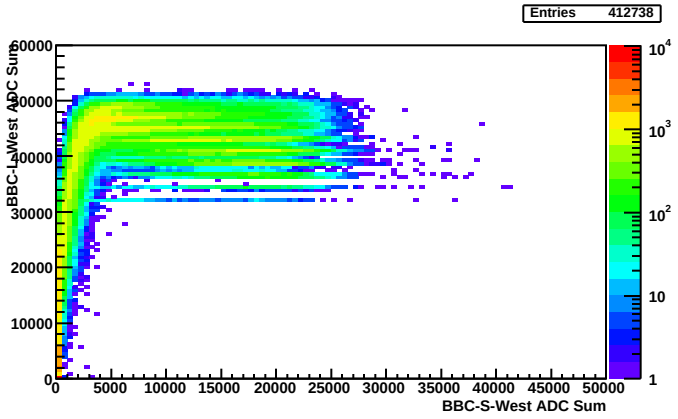

Entries 412738
TOF Mult
BBC-S-East ADC Sum

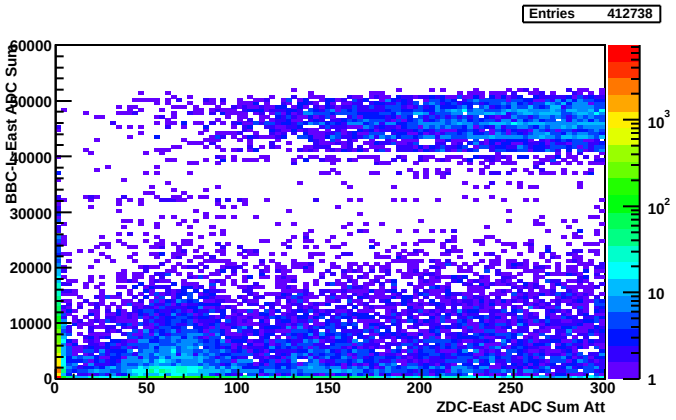

Entries 412738
TOF Mult
BBC-S-West ADC Sum

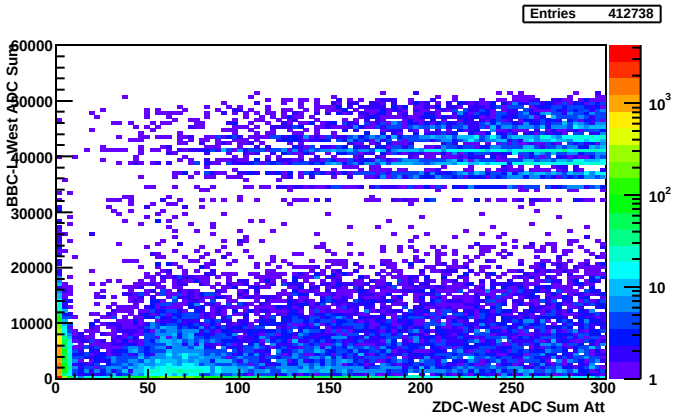

Entries 412738
TOF Mult
ZDC-East ADC Sum Att

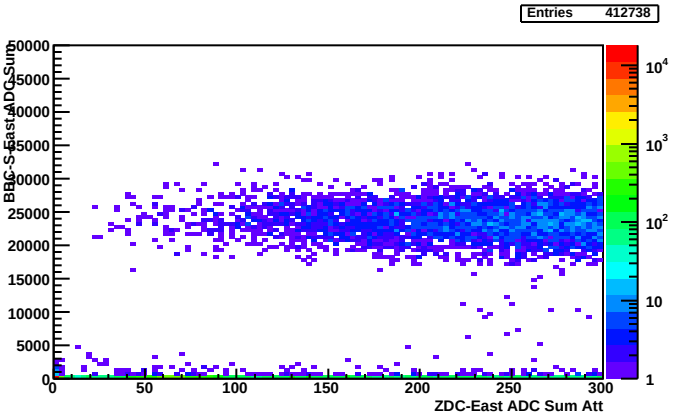

Entries 412738
TOF Mult
ZDC-West ADC Sum Att


Entries 412738
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 412738
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 412738
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 412738
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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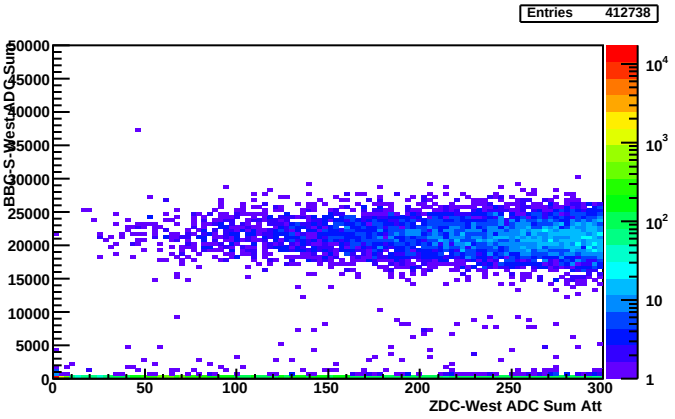
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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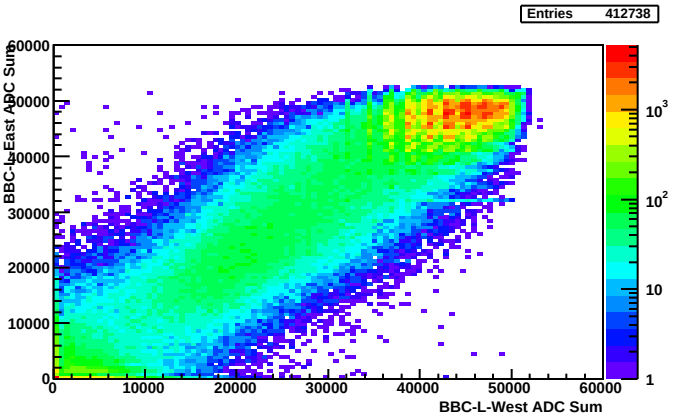
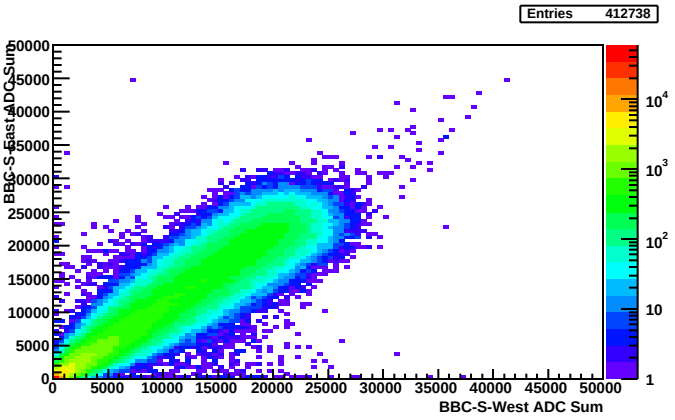
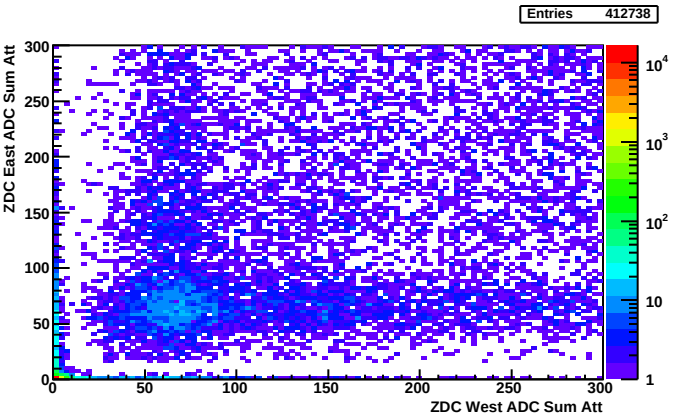
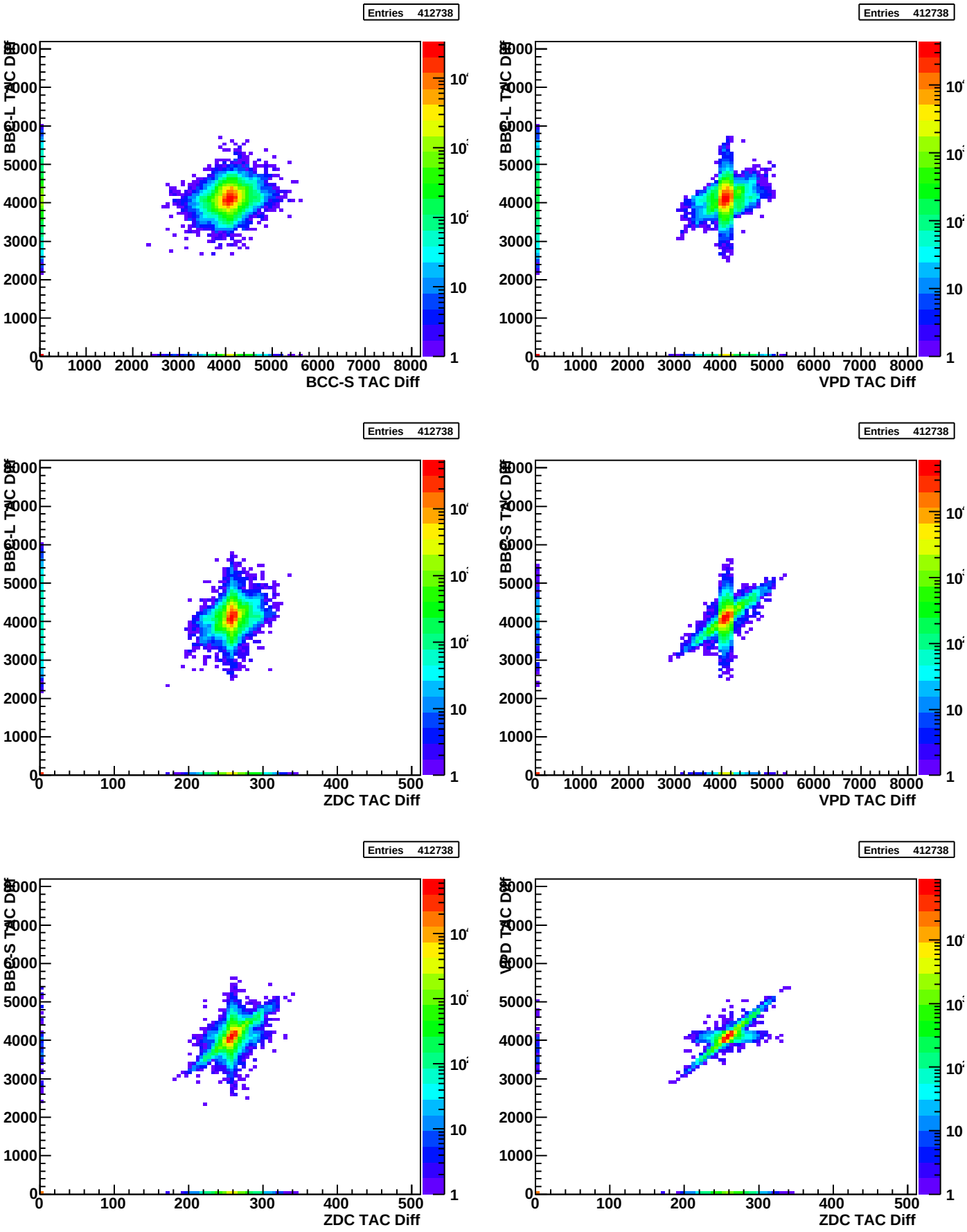
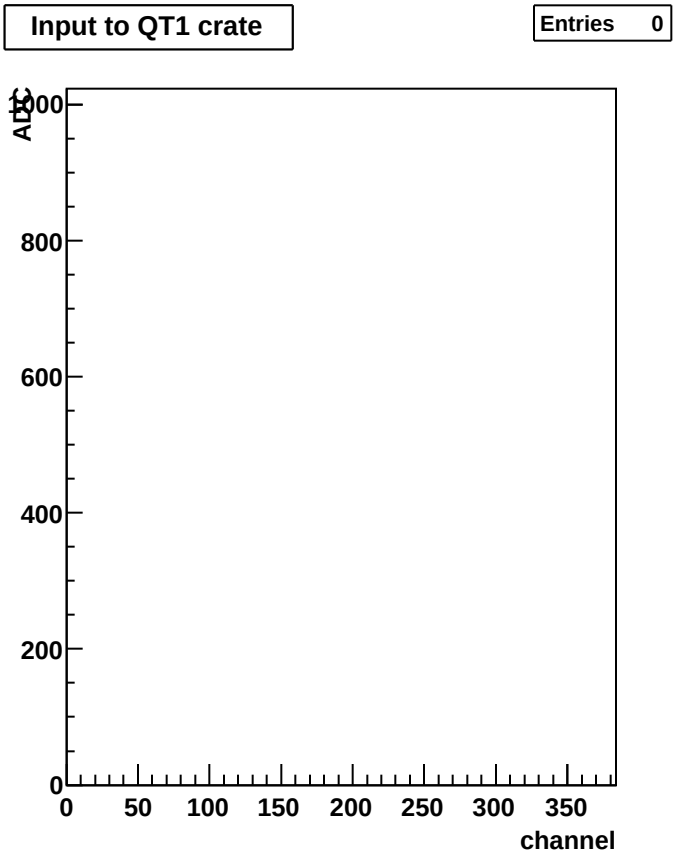
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

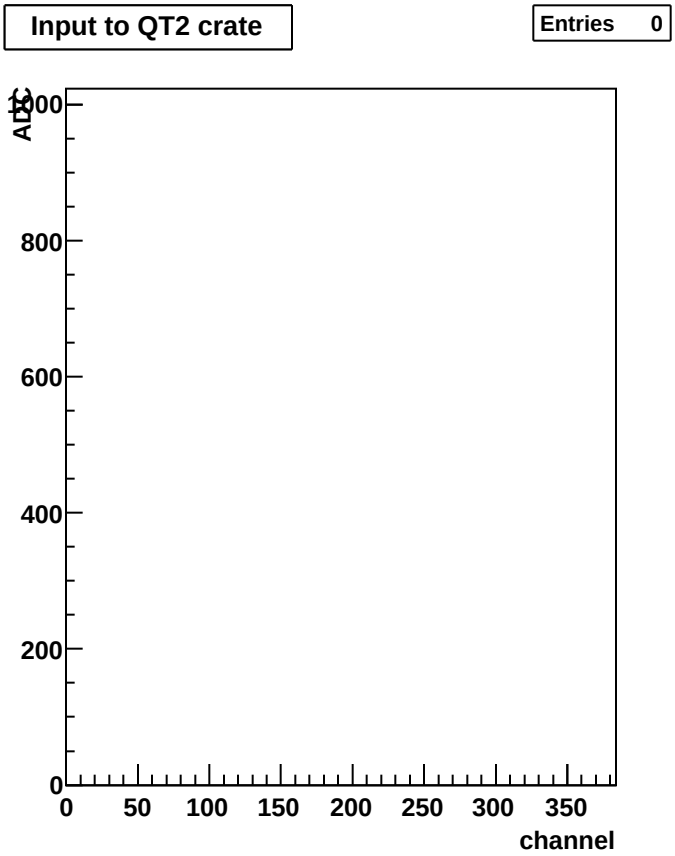

Entries 412738
BBC-L-East ADC Sum
BBC-L-West ADC Sum

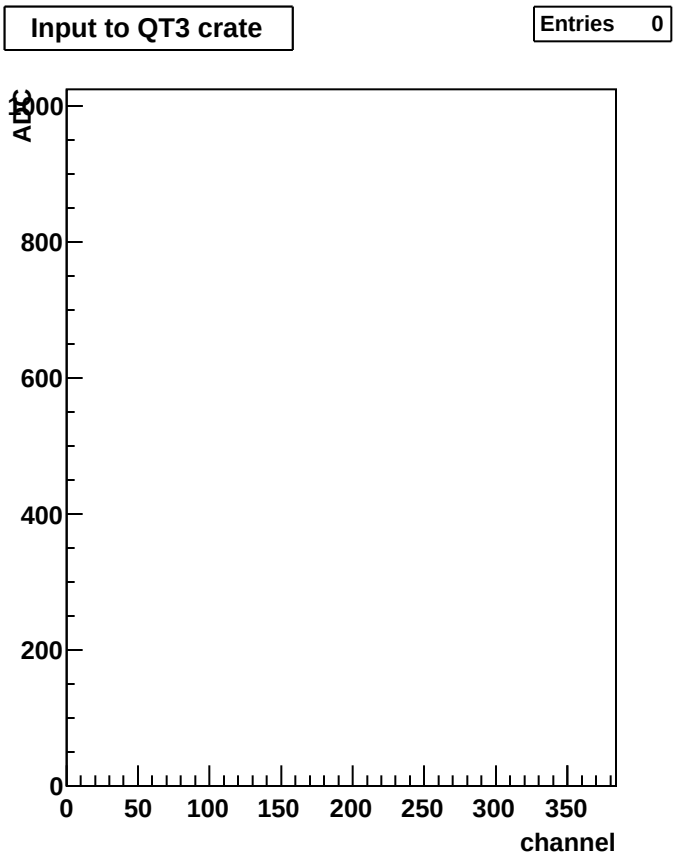

Entries 412738
BBC-S-East ADC Sum
BBC-S-West ADC Sum

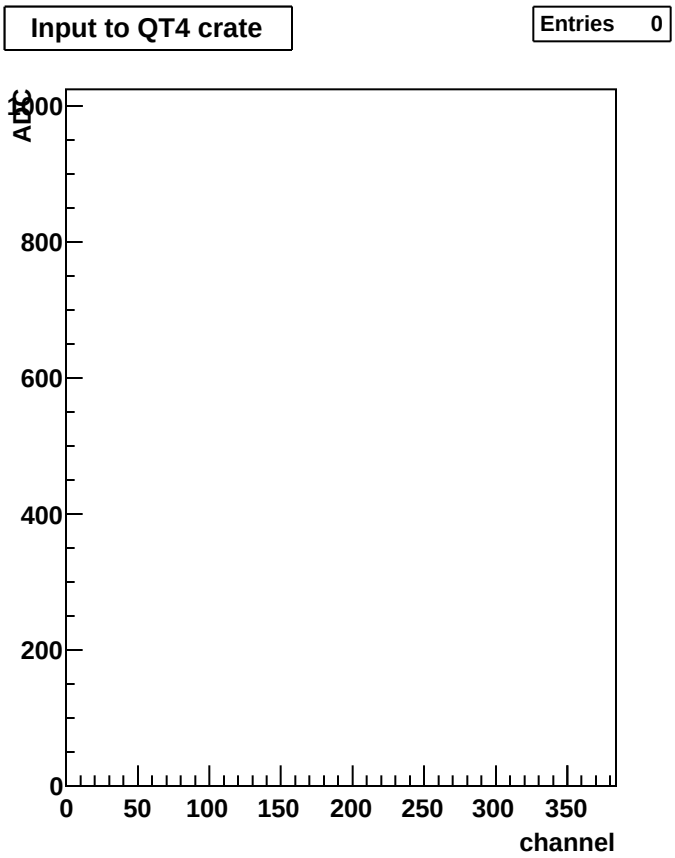

Entries 412738
ZDC East ADC Sum Att
ZDC West ADC Sum Att

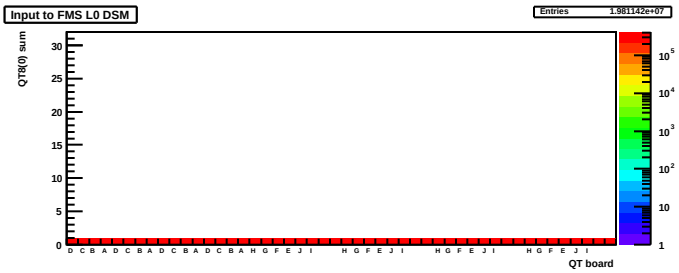

Entries 412738
BBC-L TAC Diff
BCC-S TAC Diff
Entries 412738
BBC-L TAC Diff
VPD TAC Diff
Entries 412738
BBC-L TAC Diff
ZDC TAC Diff
Entries 412738
BBC-S TAC Diff
VPD TAC Diff
Entries 412738
BBC-S TAC Diff
ZDC TAC Diff
Entries 412738
VPD TAC Diff
ZDC TAC Diff

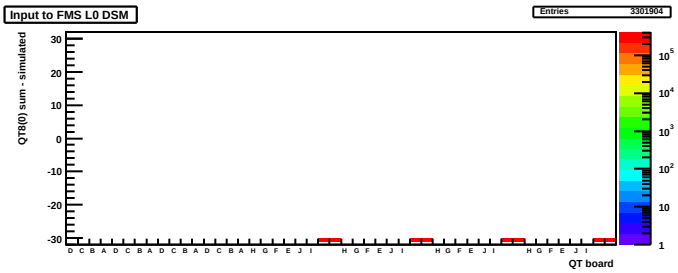

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

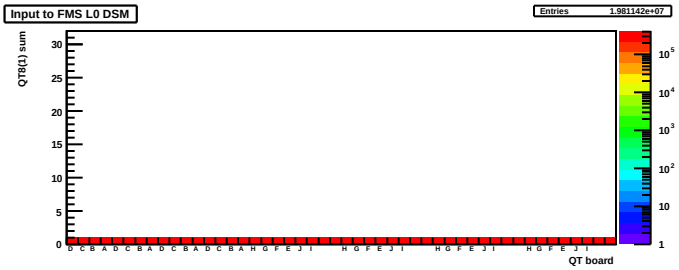

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

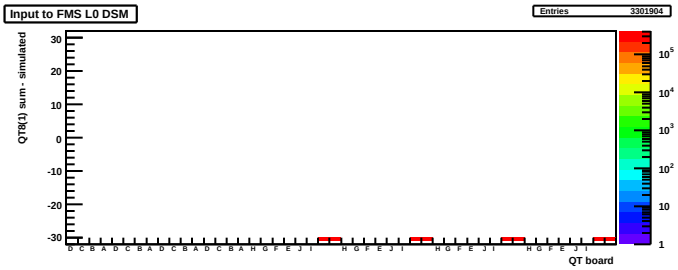

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

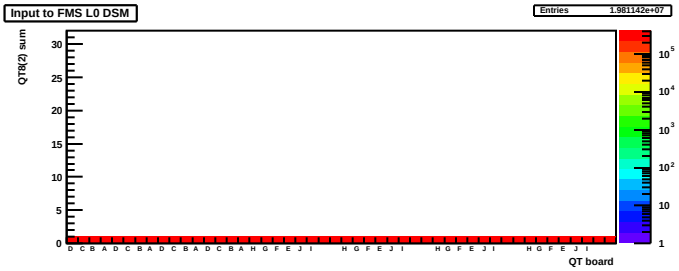

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

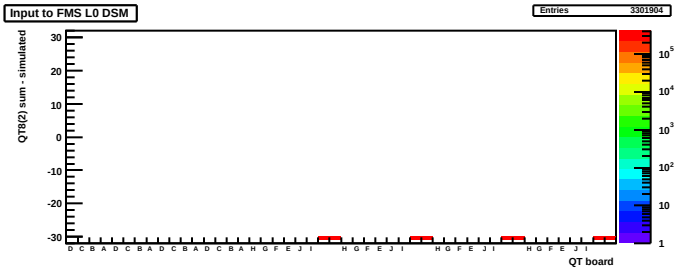

Input to FMS L0 DSM
Entries 1.981142e+07
QT8(0) sum
QT board

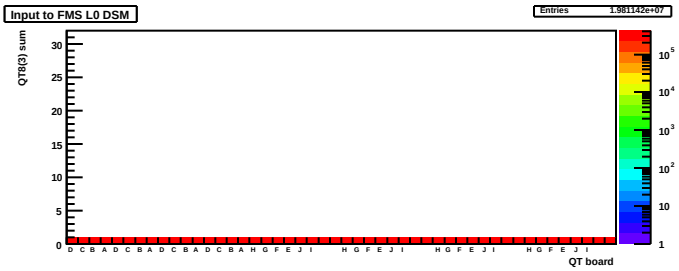

Input to FMS L0 DSM
Entries 3301904
QT8(0) sum - simulated
QT board

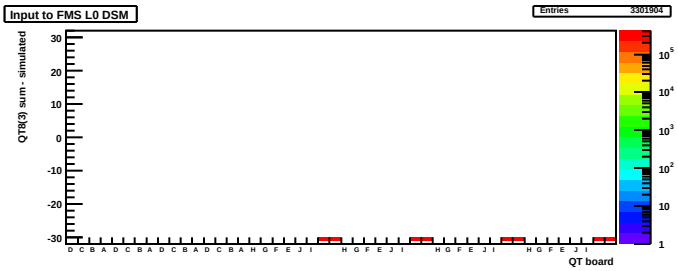

Input to FMS L0 DSM
Entries 1.981142e+07
QT8(1) sum
QT board

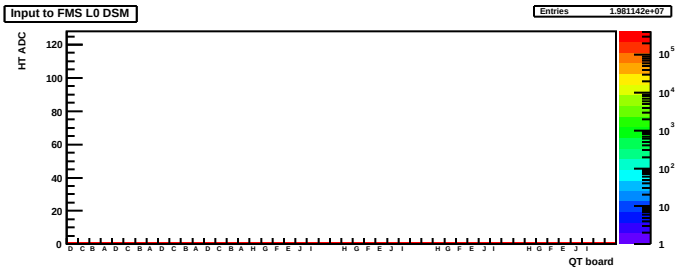

Input to FMS L0 DSM
Entries 3301904
QT8(1) sum - simulated
QT board

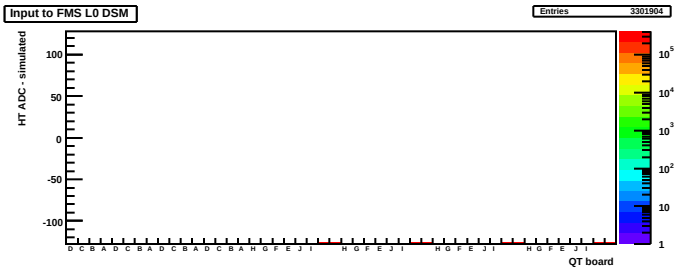

Input to FMS L0 DSM
Entries 1.981142e+07
QT8(2) sum
QT board

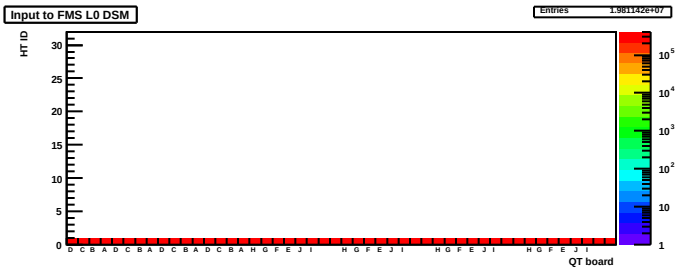

Input to FMS L0 DSM
Entries 3301904
QT8(2) sum - simulated
QT board

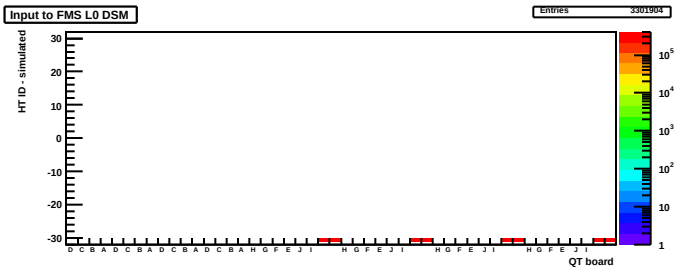

Input to FMS L0 DSM
Entries 1.981142e+07
QT8(3) sum
QT board

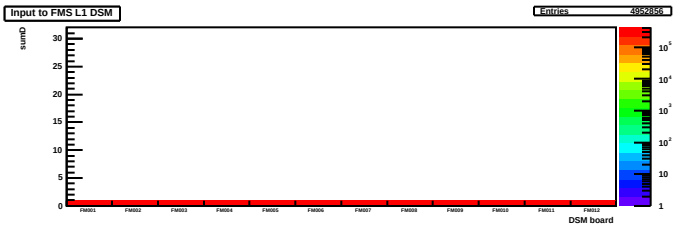

Input to FMS L0 DSM
Entries 3301904
QT8(3) sum - simulated
QT board

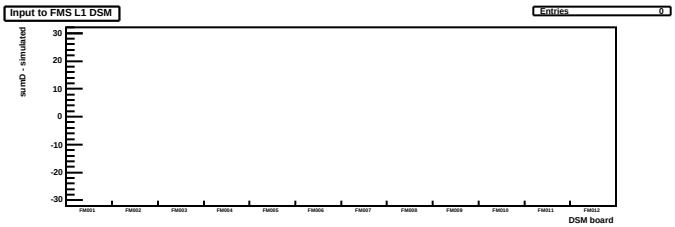

Input to FMS L0 DSM
Entries 1.981142e+07
HT ADC
QT board

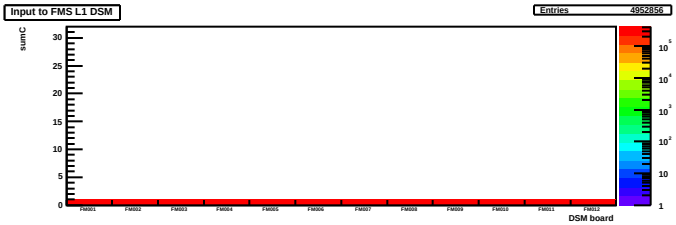

Input to FMS L0 DSM
Entries 3301904
HT ADC - simulated
QT board

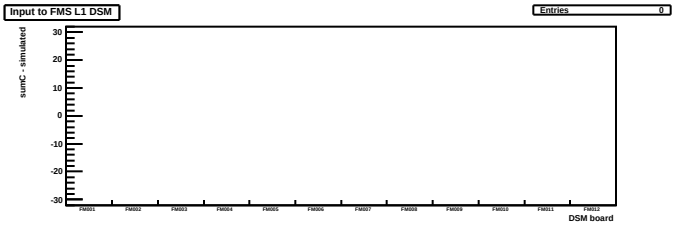

Input to FMS L0 DSM
Entries 1.981142e+07
HT ID
QT board

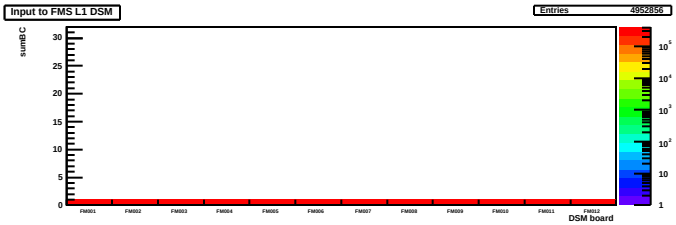

Input to FMS L0 DSM
Entries 3301904
HT ID - simulated
QT board

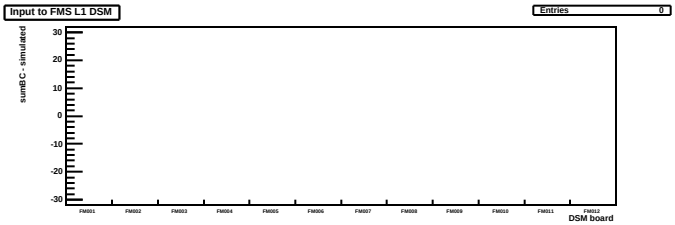

Input to FMS L1 DSM
Entries 4952856
sumD
DSM board

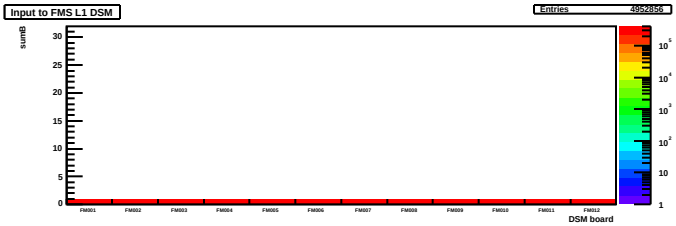

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

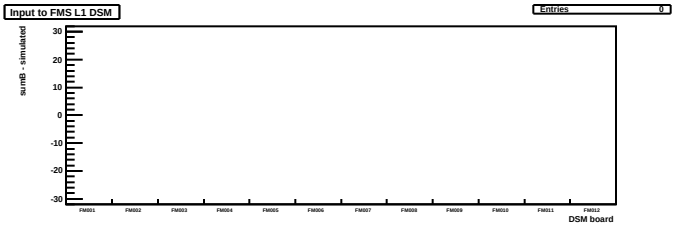

Input to FMS L1 DSM
Entries 4952856
sumC
DSM board

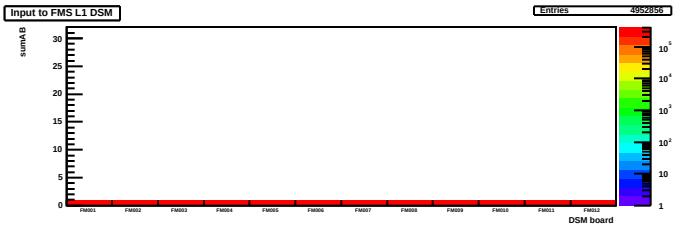

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

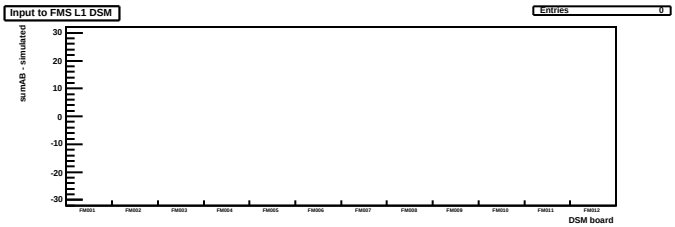

Input to FMS L1 DSM
Entries 4952856
sumBC
DSM board

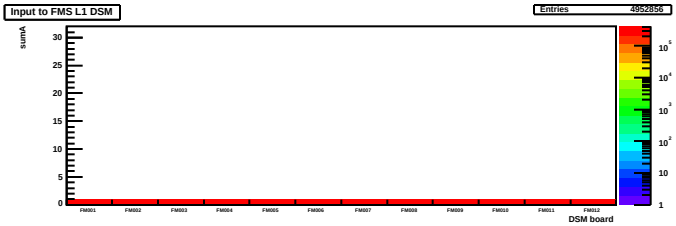

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

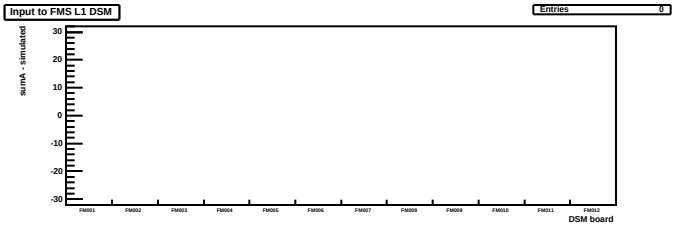

Input to FMS L1 DSM
Entries 4952856
sumB
DSM board

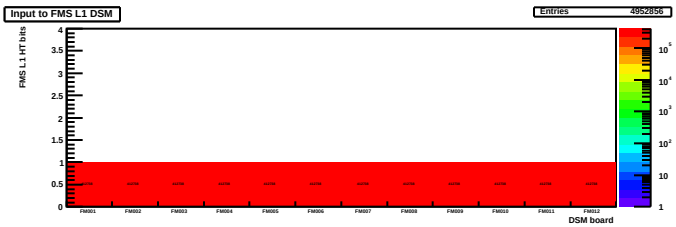

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

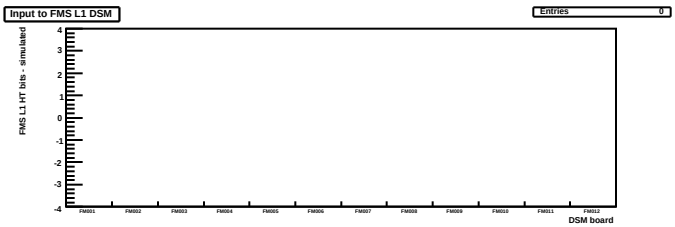

Input to FMS L1 DSM
Entries 4952856
sumAB
DSM board

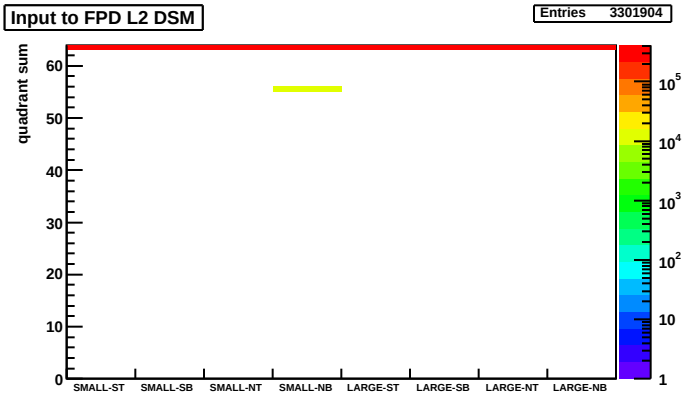

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

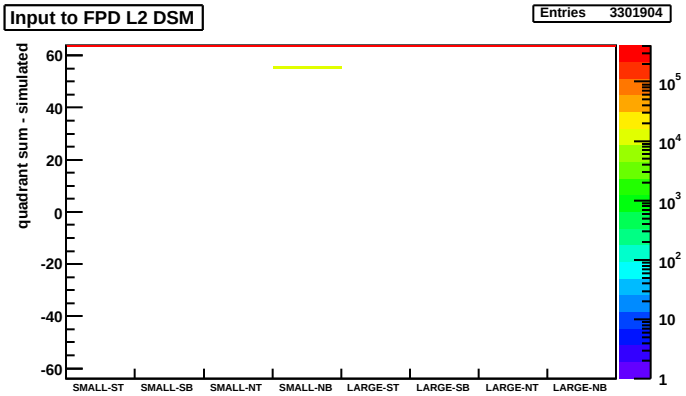

Input to FMS L1 DSM
Entries 4952856
sumA
DSM board

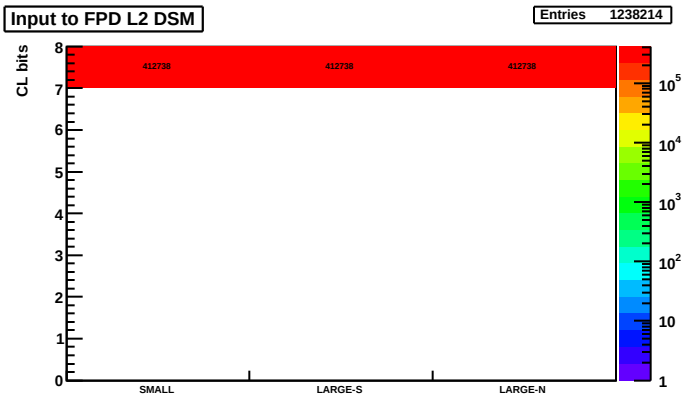

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

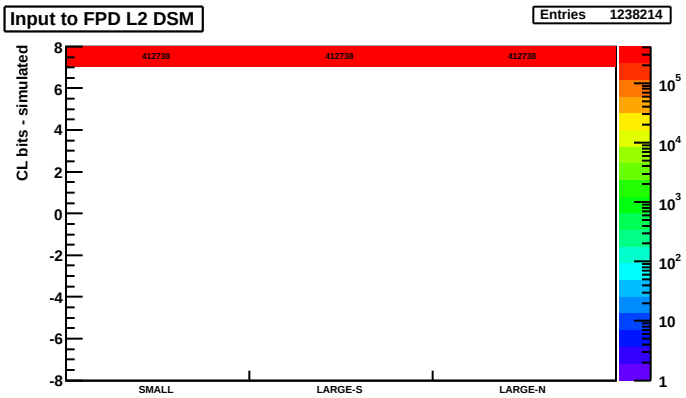

Input to FMS L1 DSM
Entries 4952856
FMS L1 HT bits
DSM board

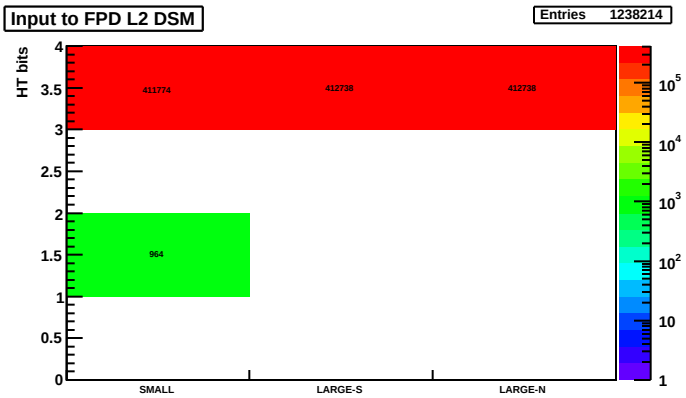

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

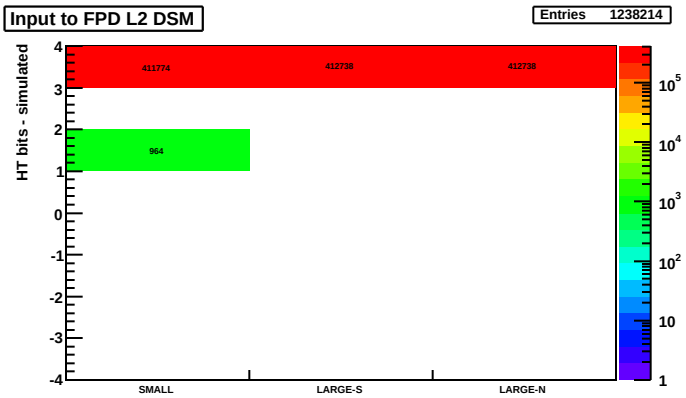

Input to FPD L2 DSM
Entries 3301904
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

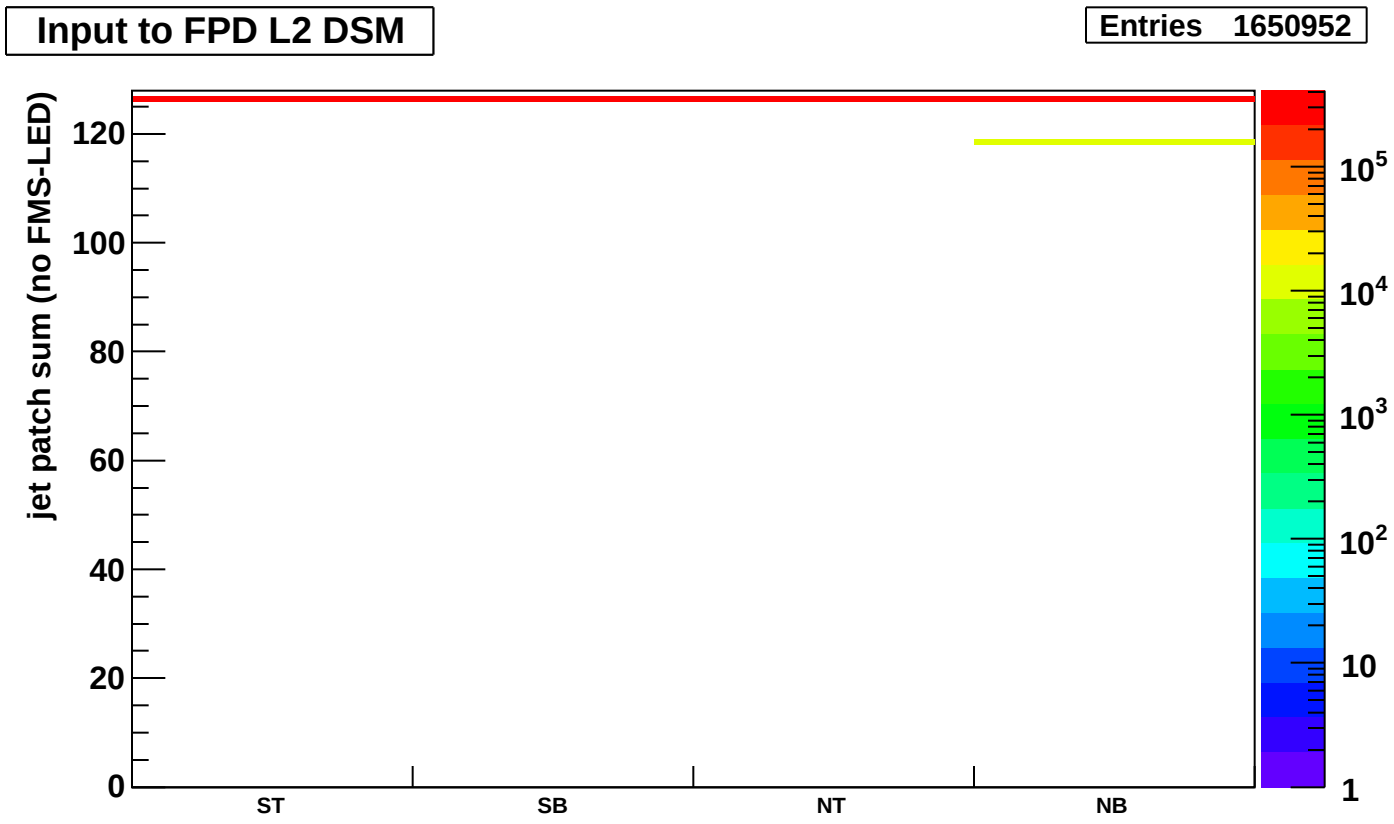

Input to FPD L2 DSM
Entries 3301904
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

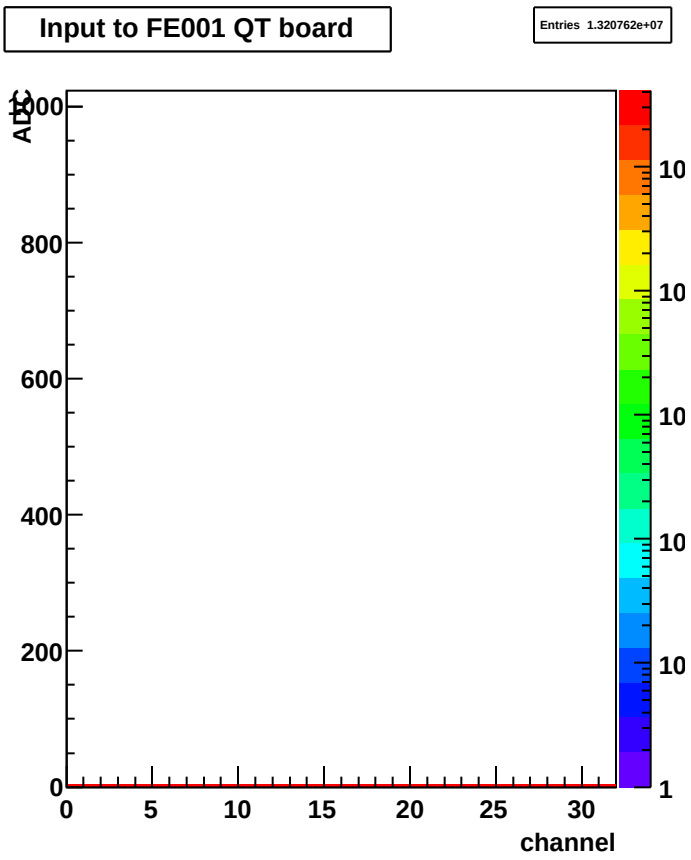

Input to FPD L2 DSM
Entries 1238214
CL bits
412738
412738
412738
SMALL
LARGE-S
LARGE-N

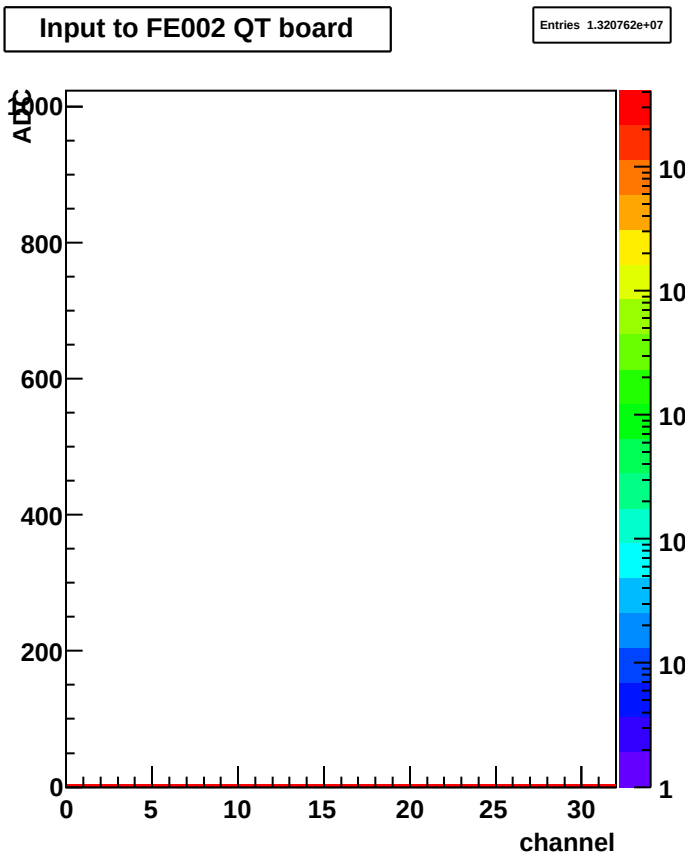

Input to FPD L2 DSM
Entries 1238214
CL bits - simulated
412738
412738
412738
SMALL
LARGE-S
LARGE-N

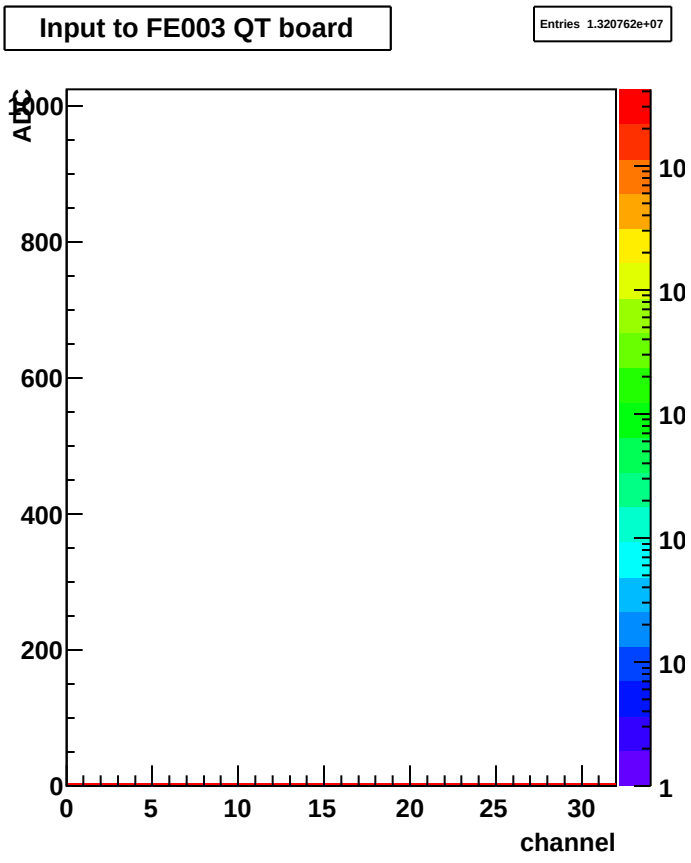

Input to FPD L2 DSM
Entries 1238214
HT bits
411774
412738
412738
964
SMALL
LARGE-S
LARGE-N

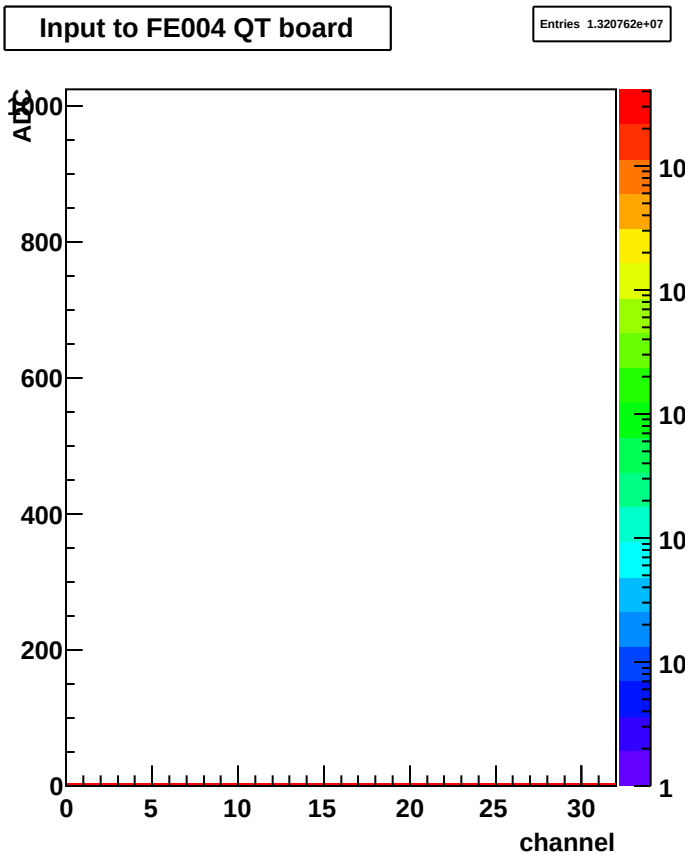

Input to FPD L2 DSM
Entries 1238214
HT bits - simulated
411774
412738
412738
964
SMALL
LARGE-S
LARGE-N

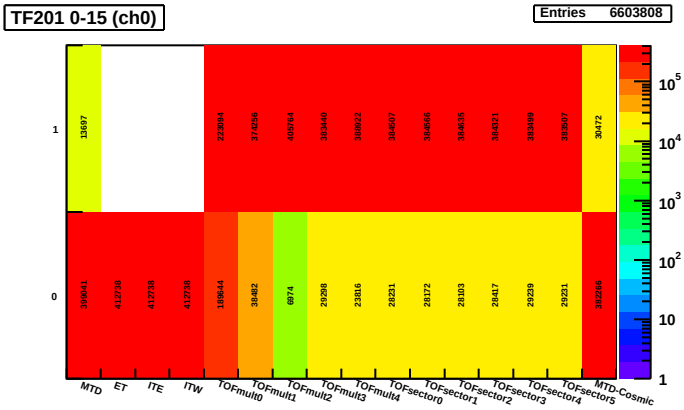

Input to FPD L2 DSM
Entries 1650952
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

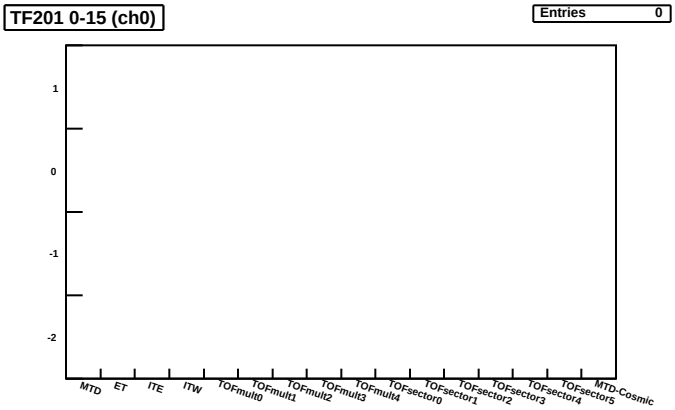

Input to FE001 QT board
Entries 1.320762e+07
ADC
channel

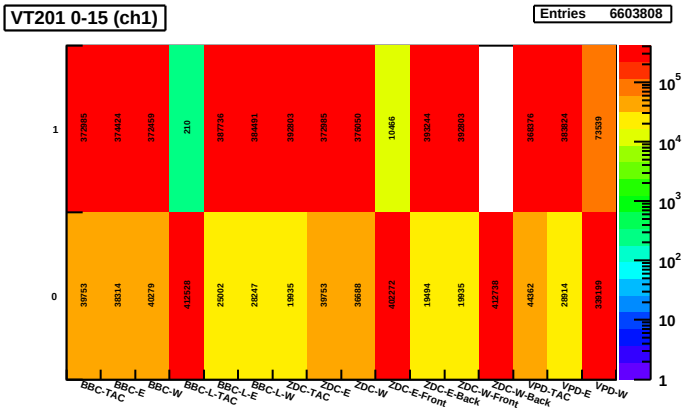

Input to FE002 QT board
Entries 1.320762e+07
ADC
channel

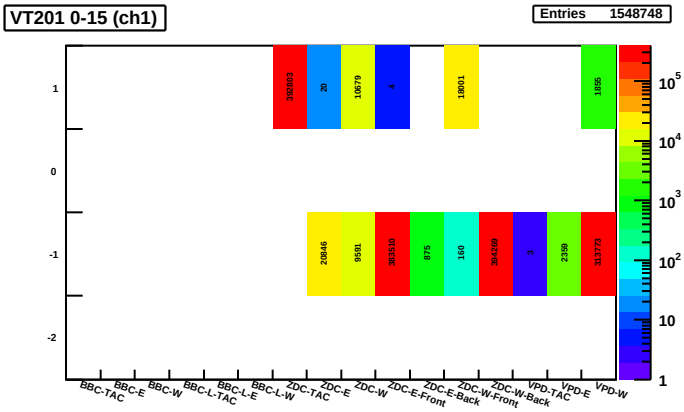

Input to FE003 QT board
Entries 1.320762e+07
ADC
channel

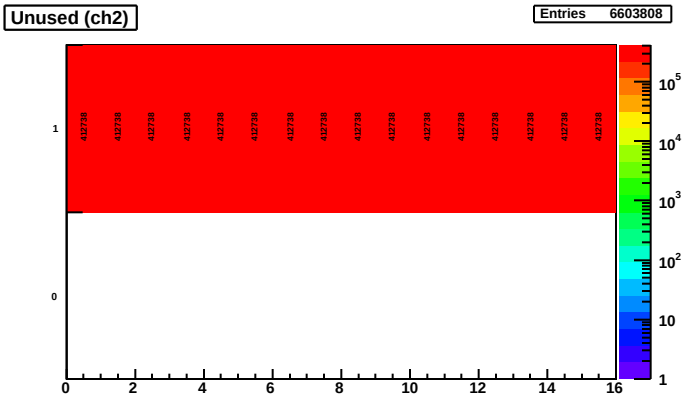

Input to FE004 QT board
Entries 1.320762e+07
ADC
channel

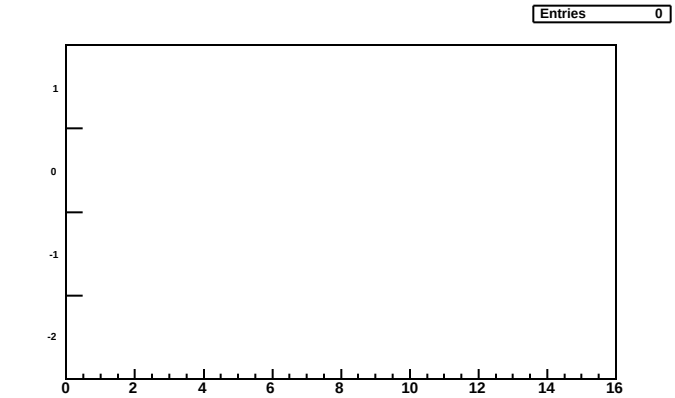

TF201 0-15 (ch0)
Entries 6603808
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

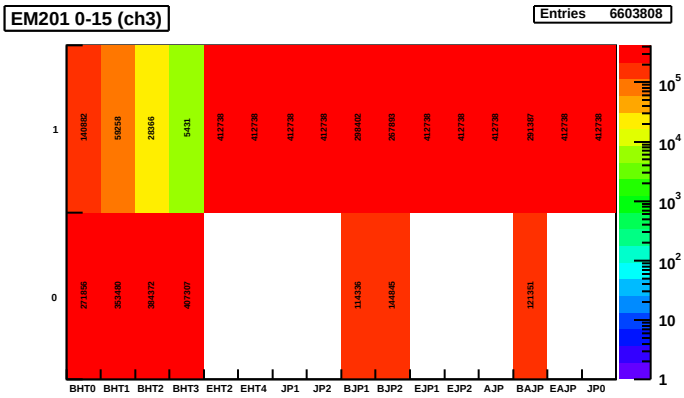

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

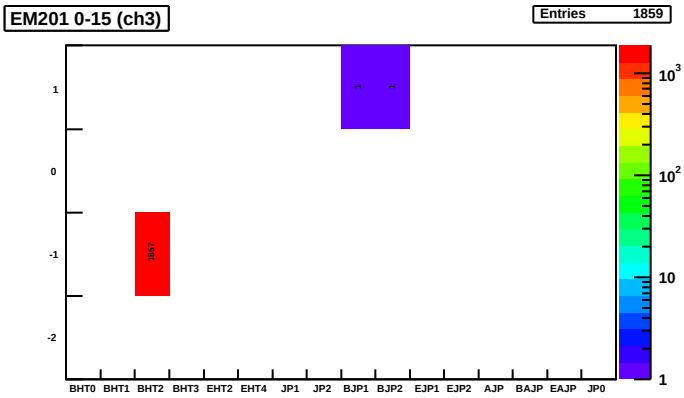

VT201 0-15 (ch1)
Entries 6603808
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1548748
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

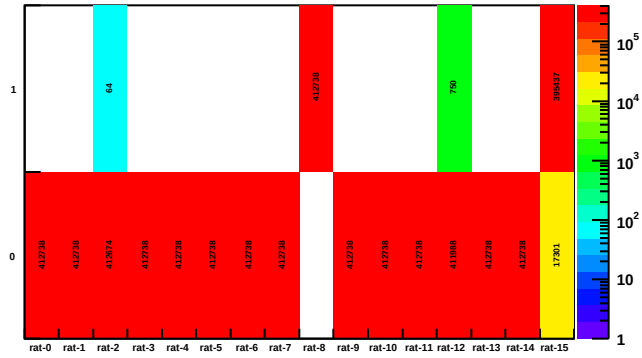

Unused (ch2)
Entries 6603808

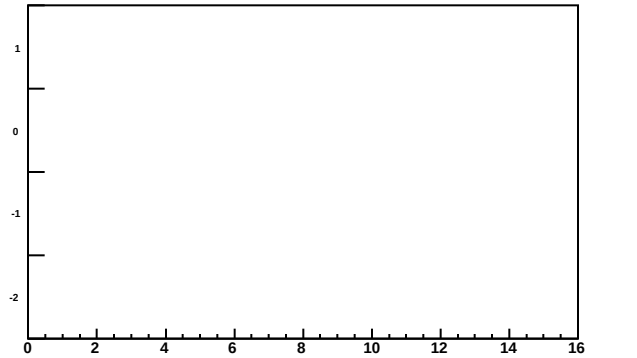

Entries 0


EM201 0-15 (ch3)
Entries 6603808
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

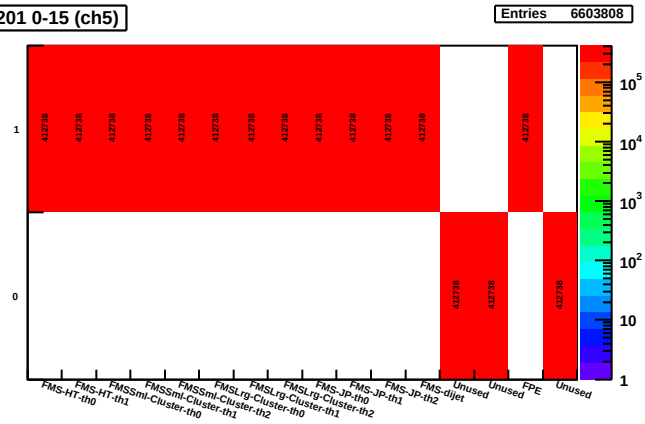

EM201 0-15 (ch3)
Entries 1859
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

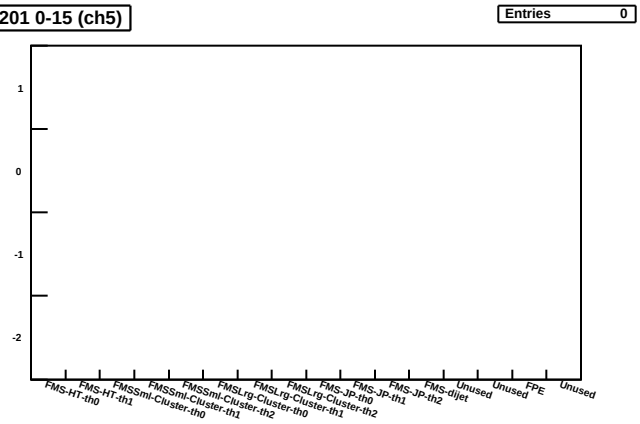




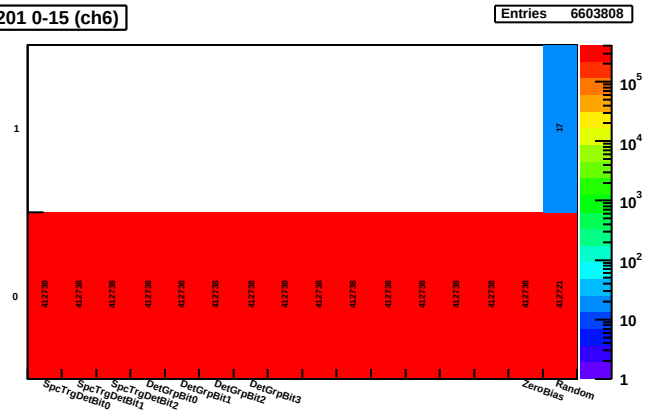
FP201 0-15 (ch5)

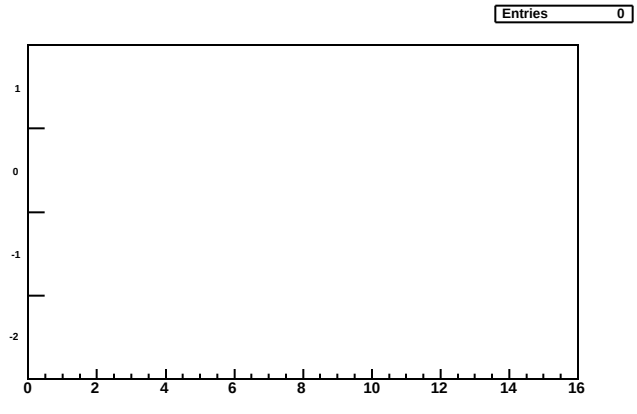
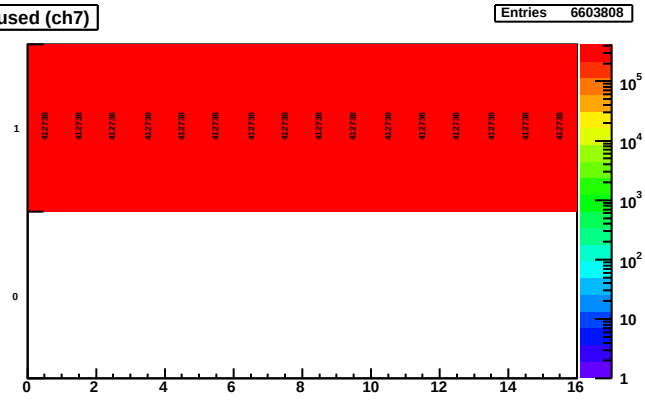
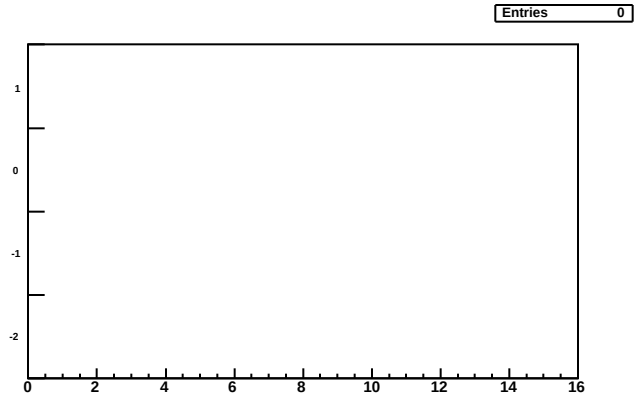


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)