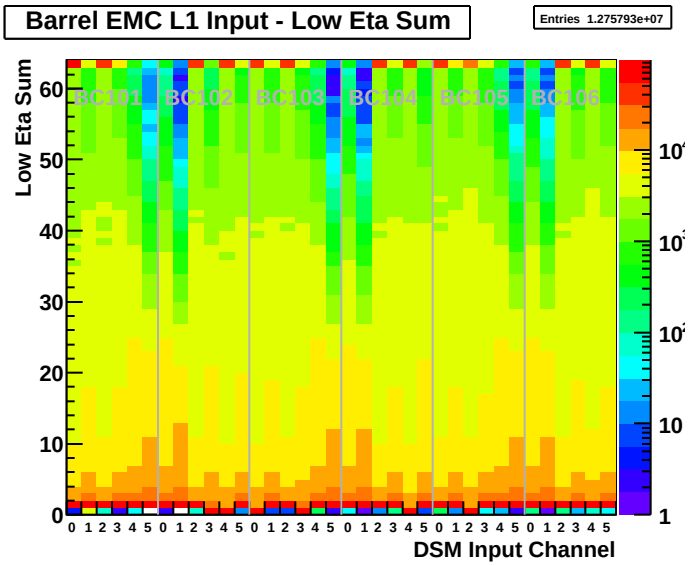
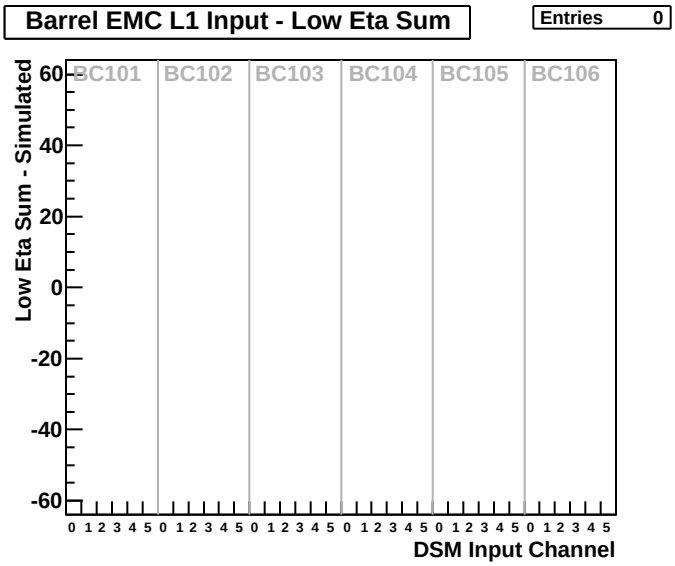
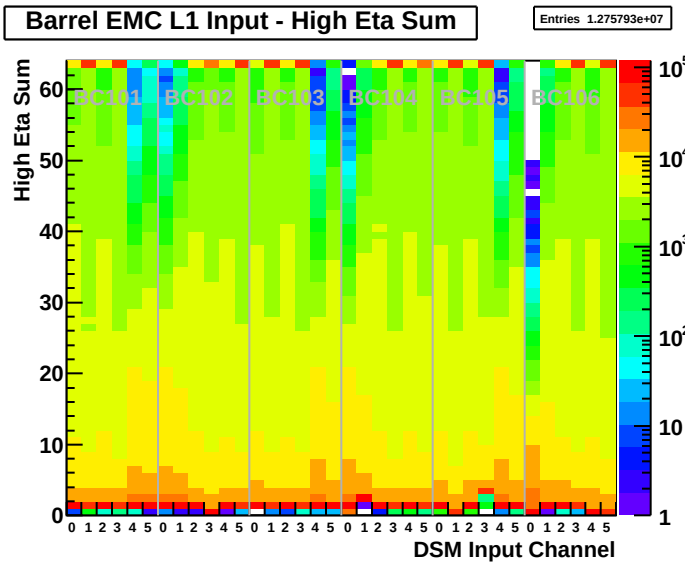
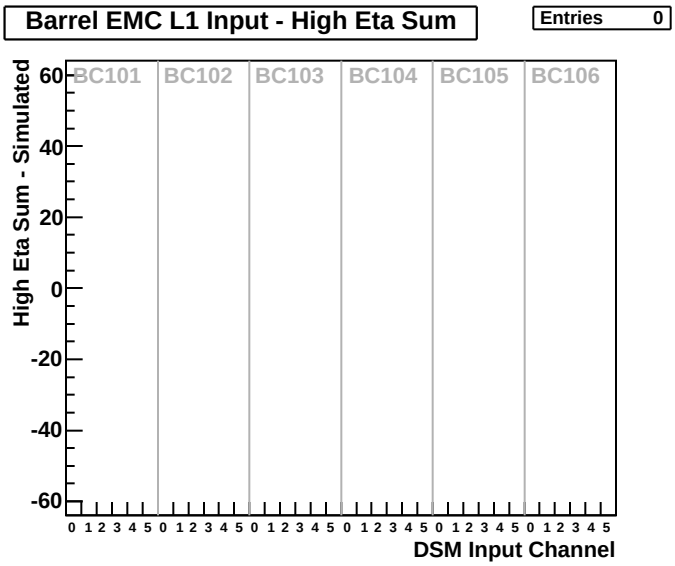
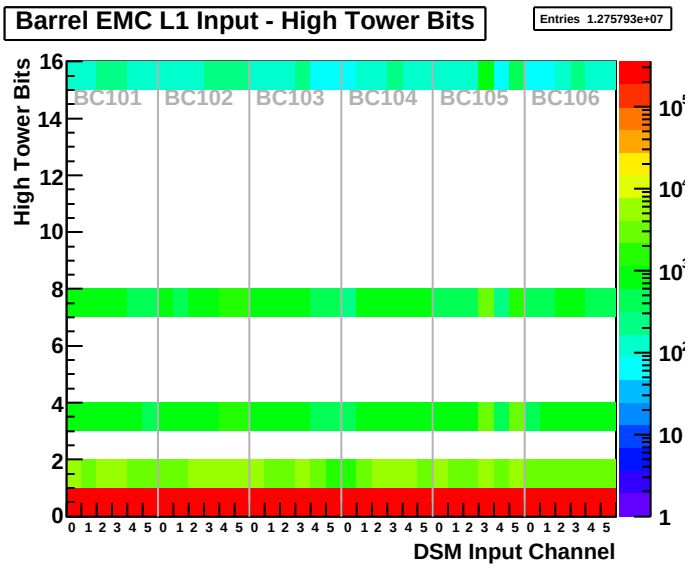
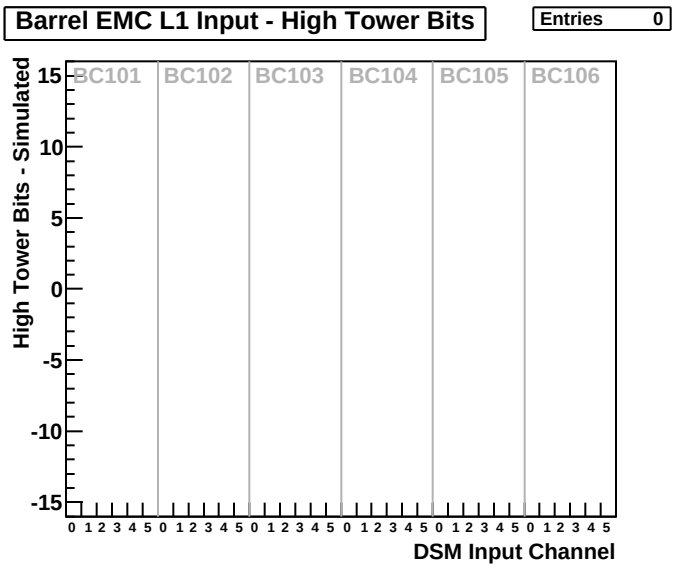

Barrel EMC L1 Input - Low Eta Sum
Entries 1.275793e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

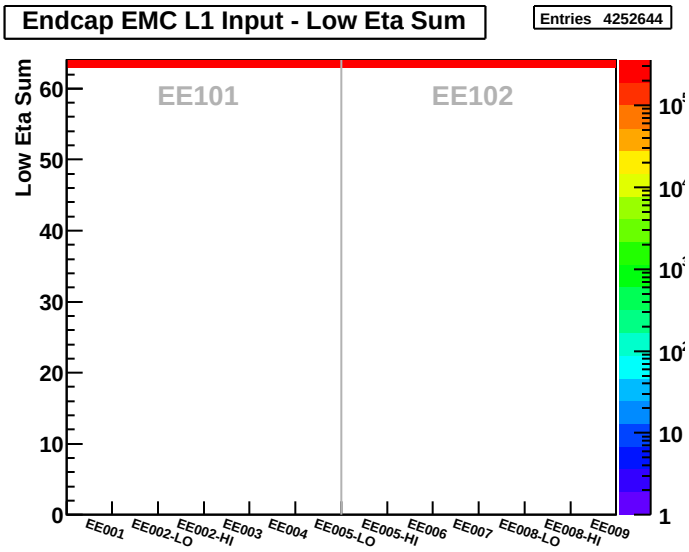

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

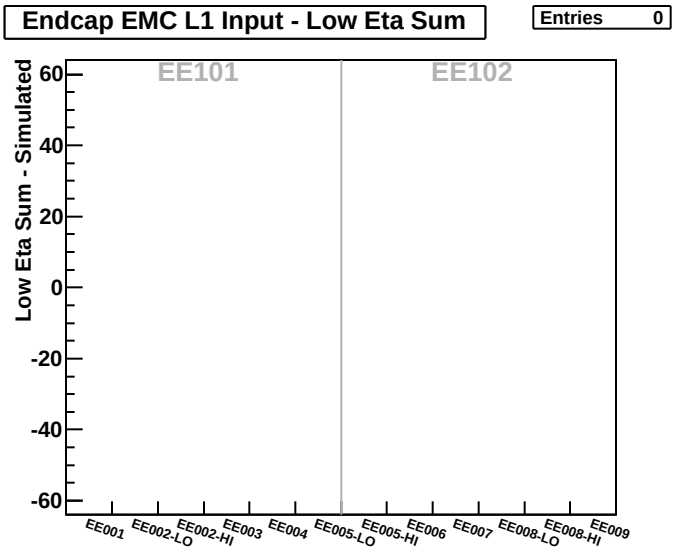

Barrel EMC L1 Input - High Eta Sum
Entries 1.275793e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

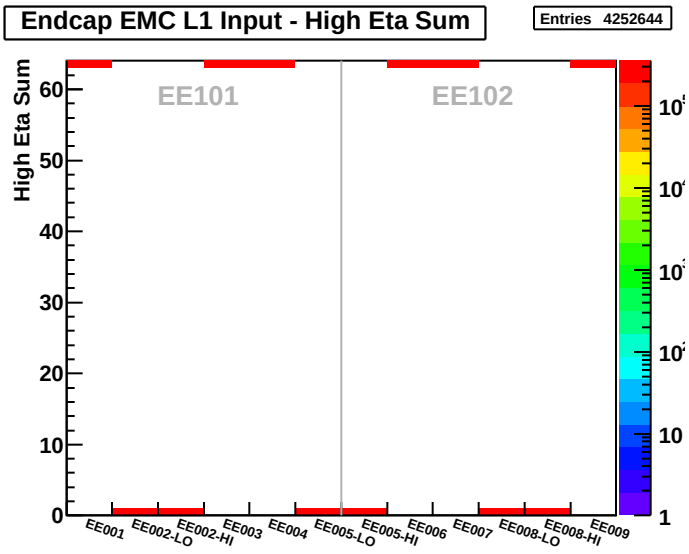

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

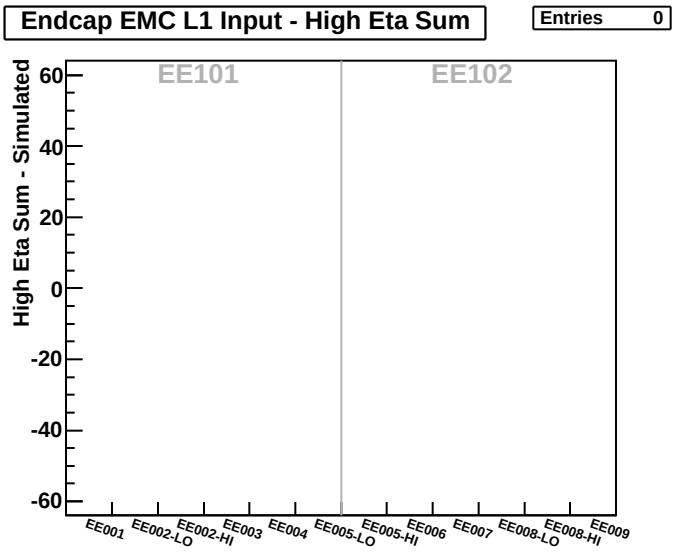

Barrel EMC L1 Input - High Tower Bits
Entries 1.275793e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

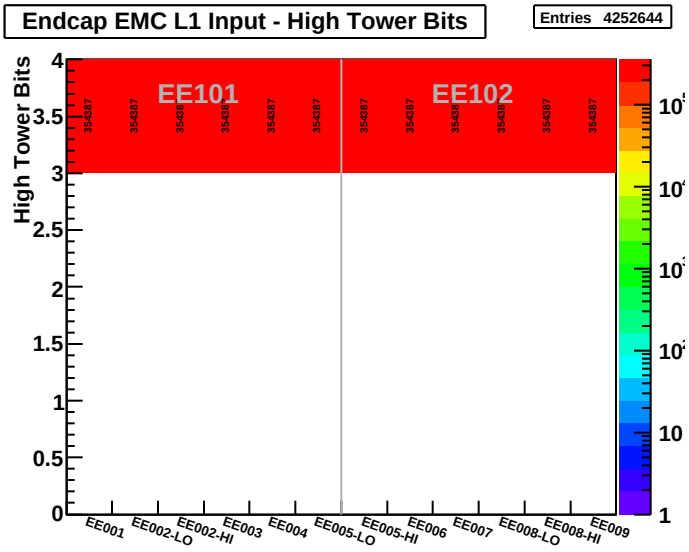

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

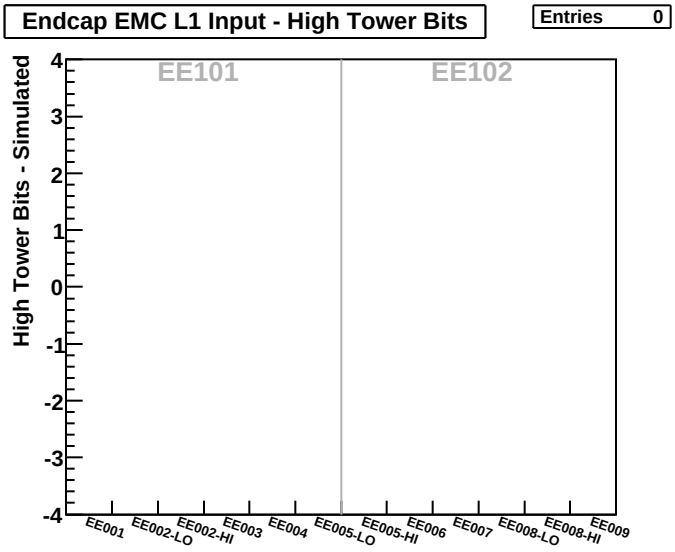

Endcap EMC L1 Input - Low Eta Sum
Entries 4252644
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

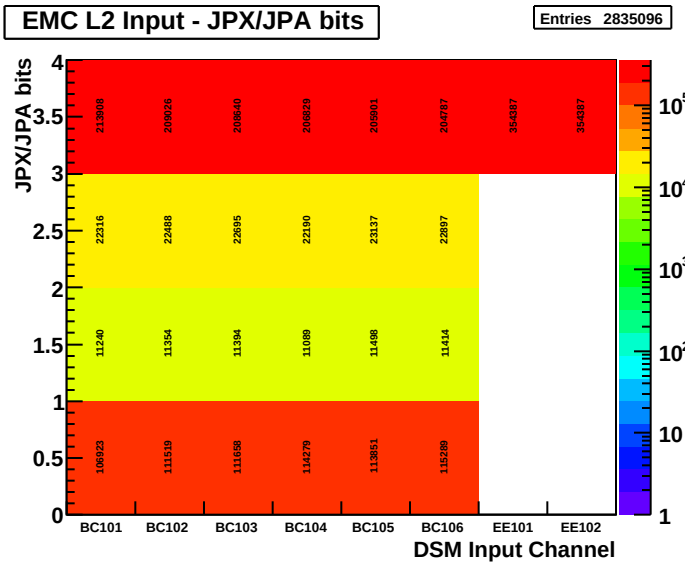

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

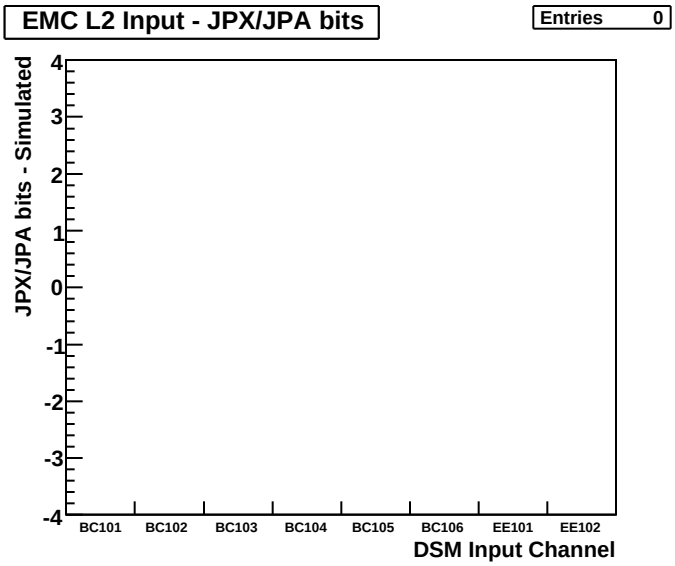

Endcap EMC L1 Input - High Eta Sum
Entries 4252644
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

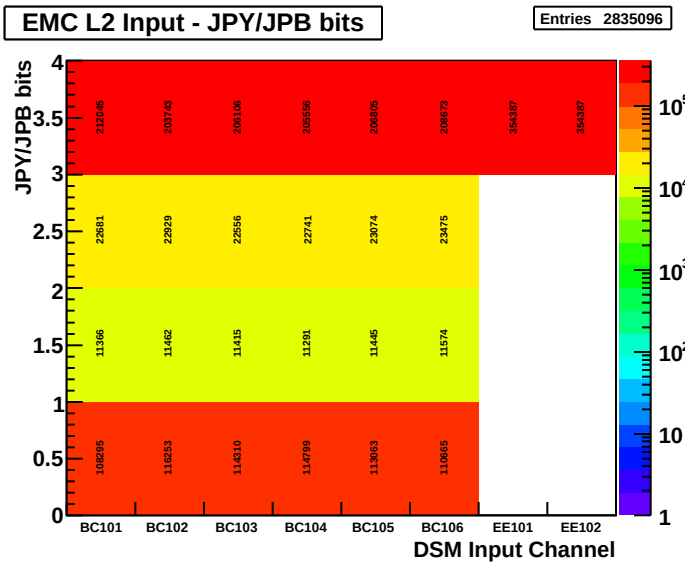

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

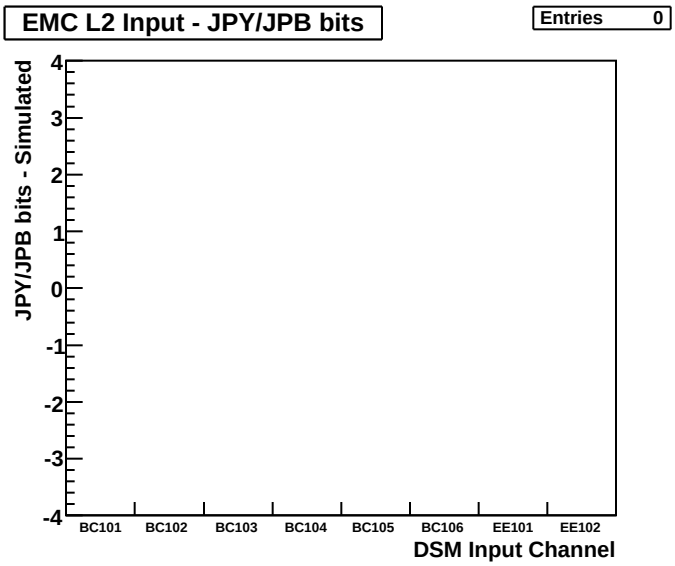

Endcap EMC L1 Input - High Tower Bits
Entries 4252644
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

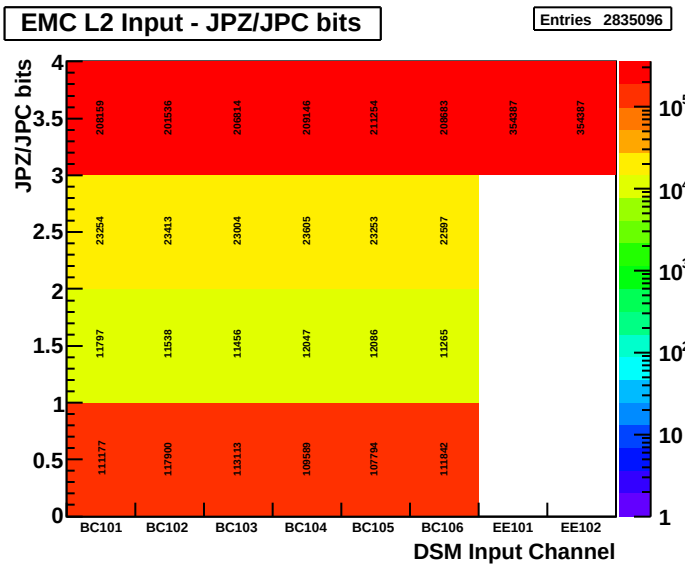

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

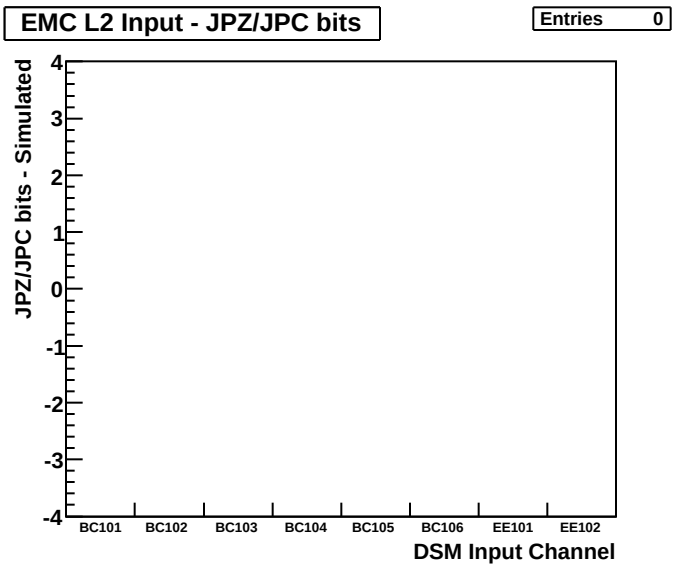

EMC L2 Input - JPX/JPA bits
Entries 2835096
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
213908 209026 208640 206829 205901 204787 354387 354387
22316 22488 22695 22190 23137 22897
11240 11354 11394 11089 11498 11414
106923 111519 111658 114279 113851 115289

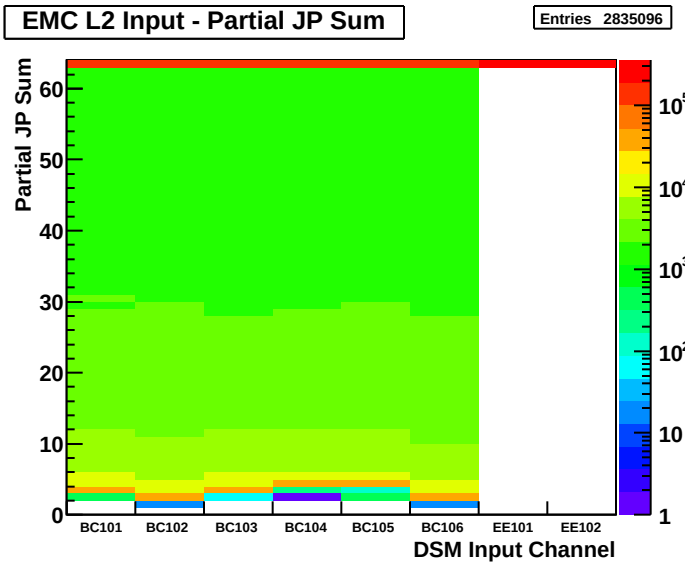

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

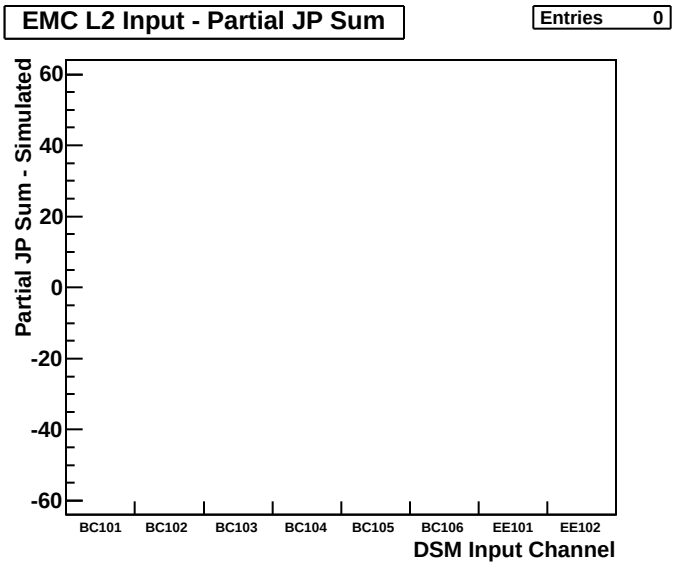

EMC L2 Input - JPY/JPB bits
Entries 2835096
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
222045 203743 206106 205556 206805 208673 354387 354387
22681 22929 22556 22741 23074 23475
11366 11462 11415 11291 11445 11574
108295 116253 114310 114799 113063 110665

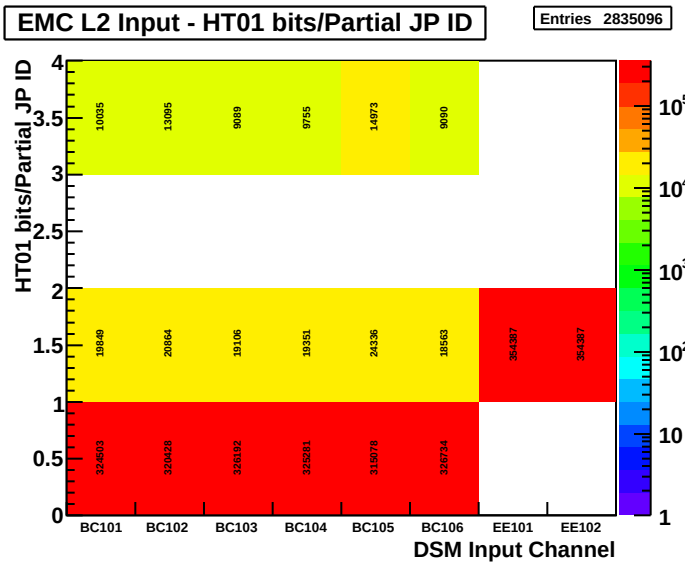

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

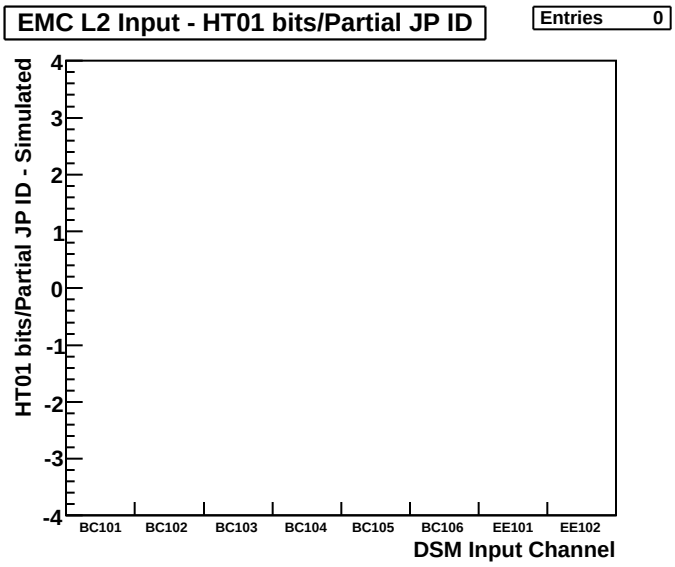

EMC L2 Input - JPZ/JPC bits
Entries 2835096
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
208159 201536 208814 208146 212254 209683 354387 354387
23254 23413 23004 23605 23253 22597
11797 11538 11456 12047 12086 11265
111177 117900 113113 109580 107794 111842

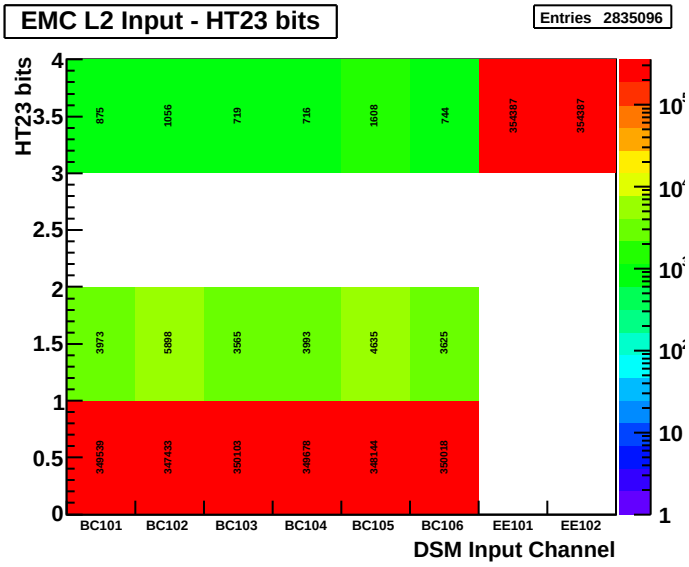

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

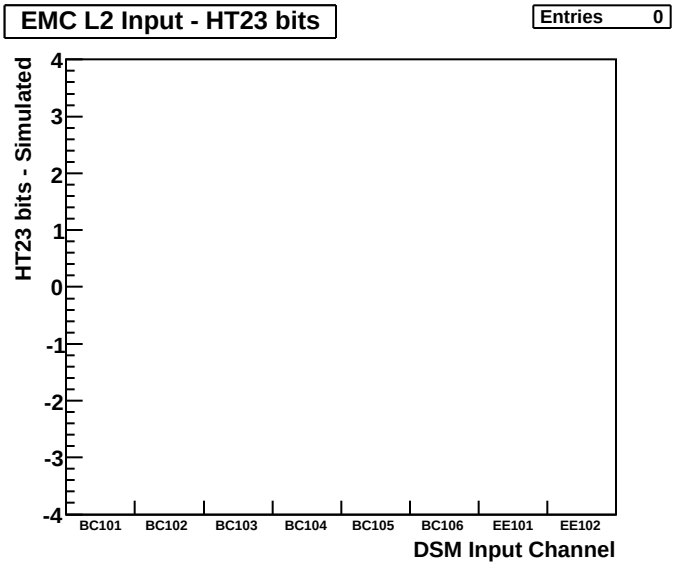

EMC L2 Input - Partial JP Sum
Entries 2835096
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

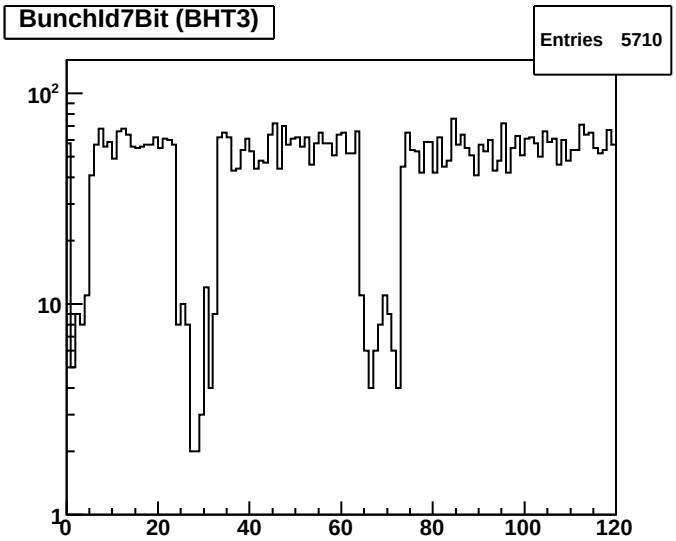

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

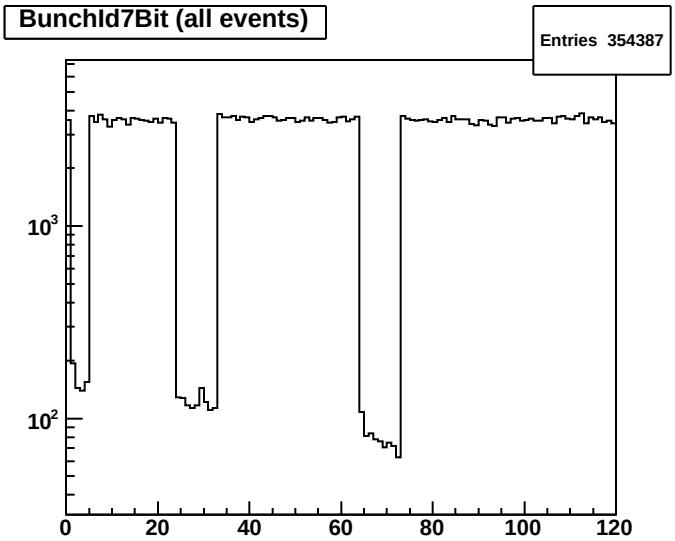

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2835096
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

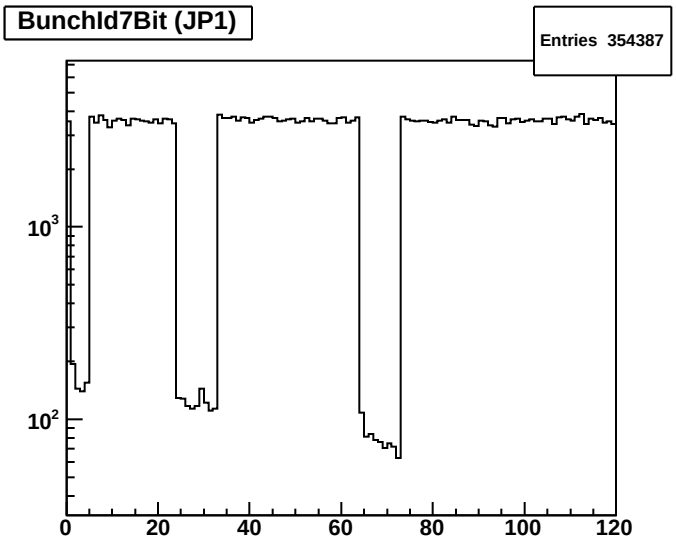

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

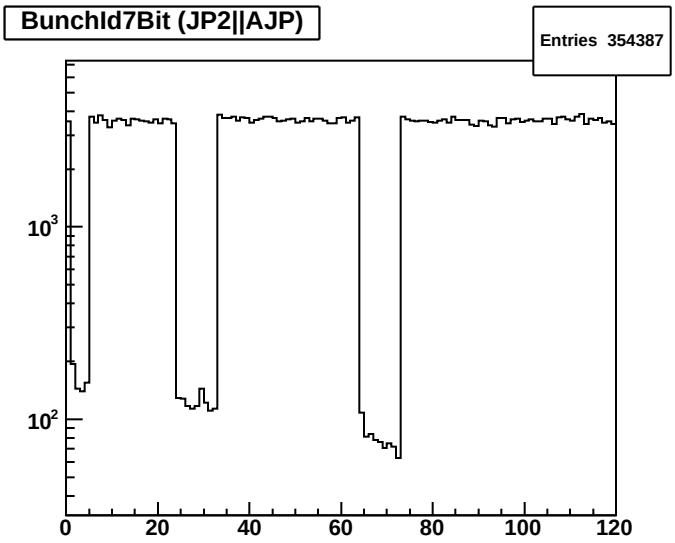

EMC L2 Input - HT23 bits
Entries 2835096
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

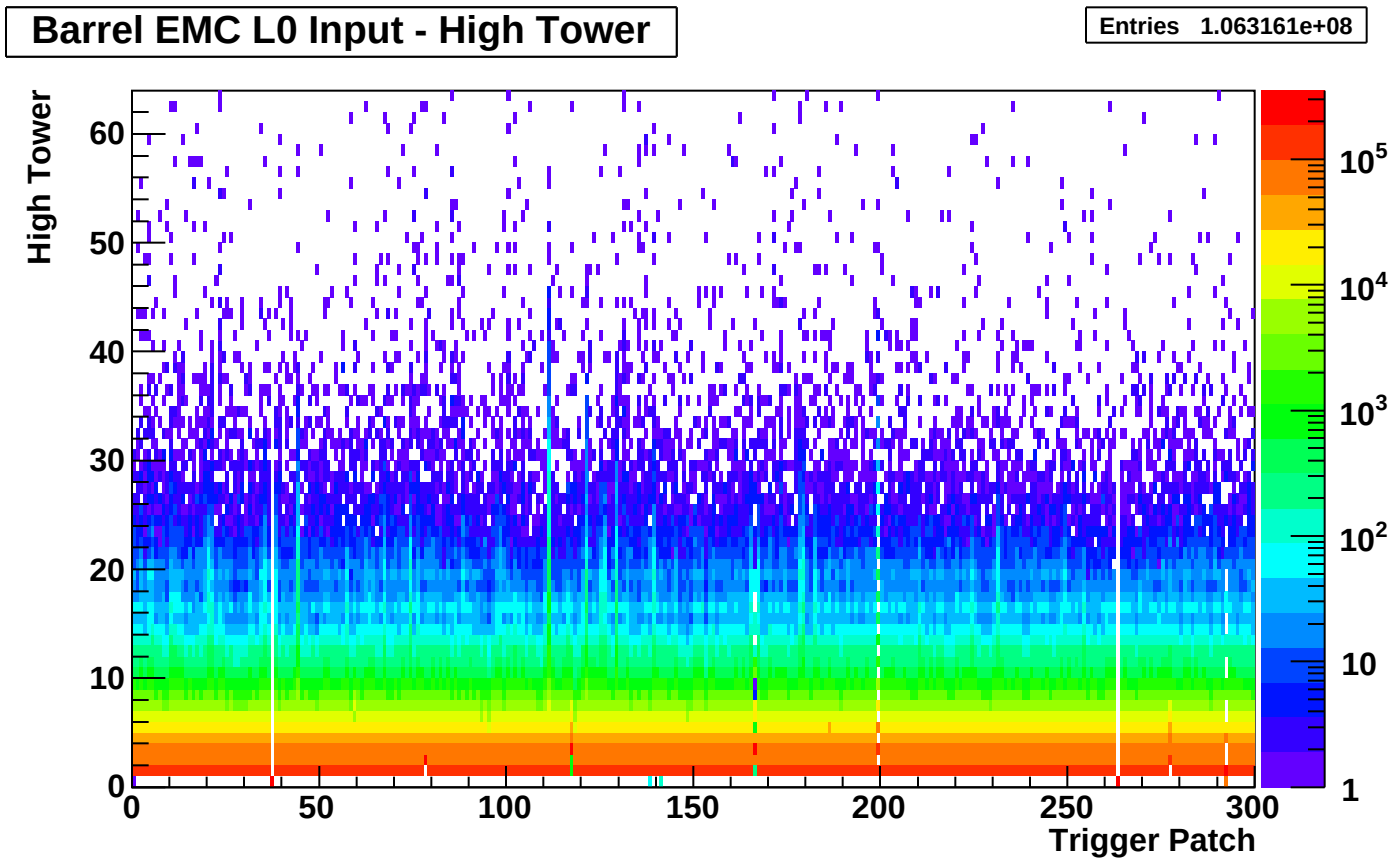

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

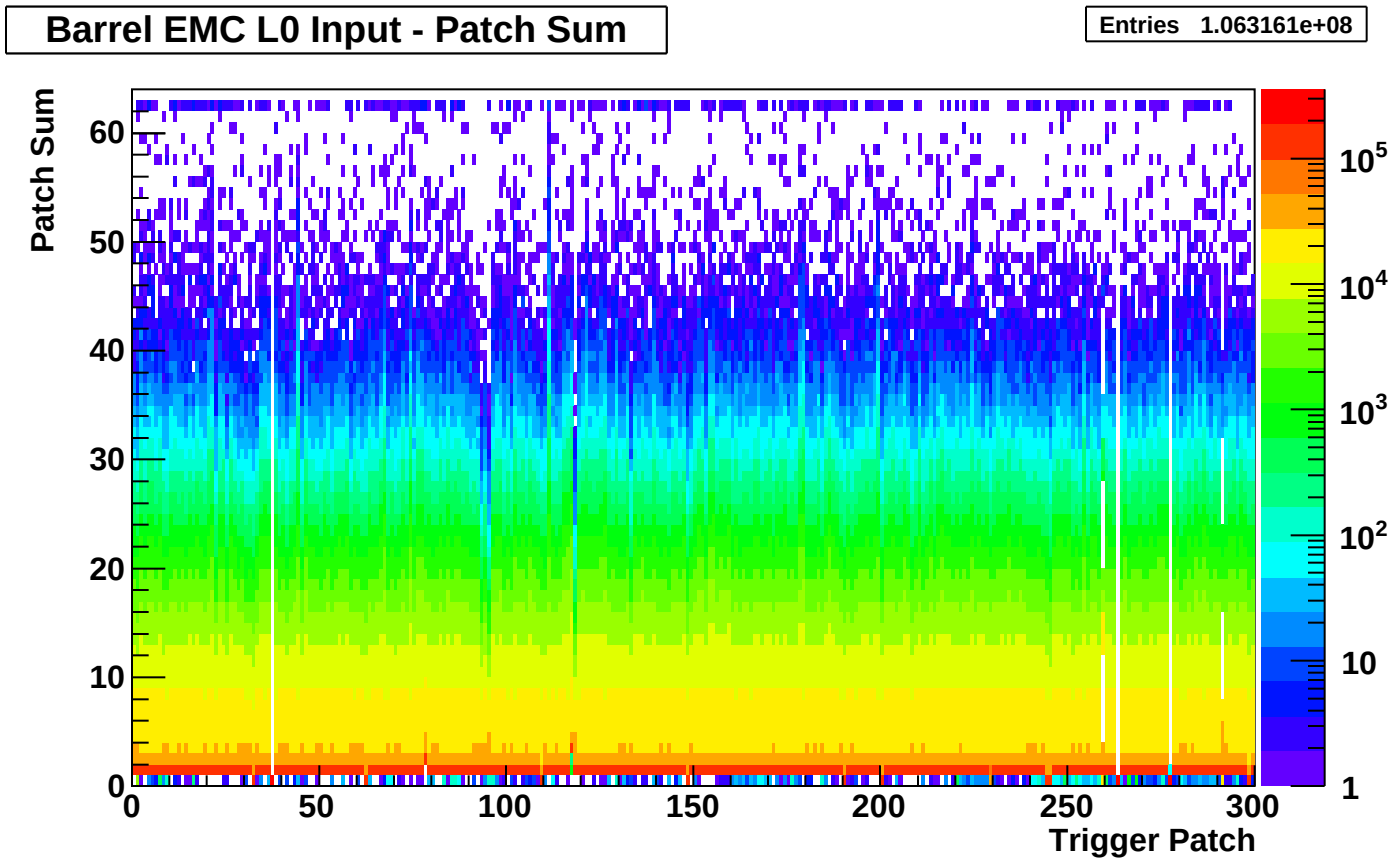

BunchId7Bit (BHT3)
Entries 5710
10^2
10
1
0
20
40
60
80
100
120

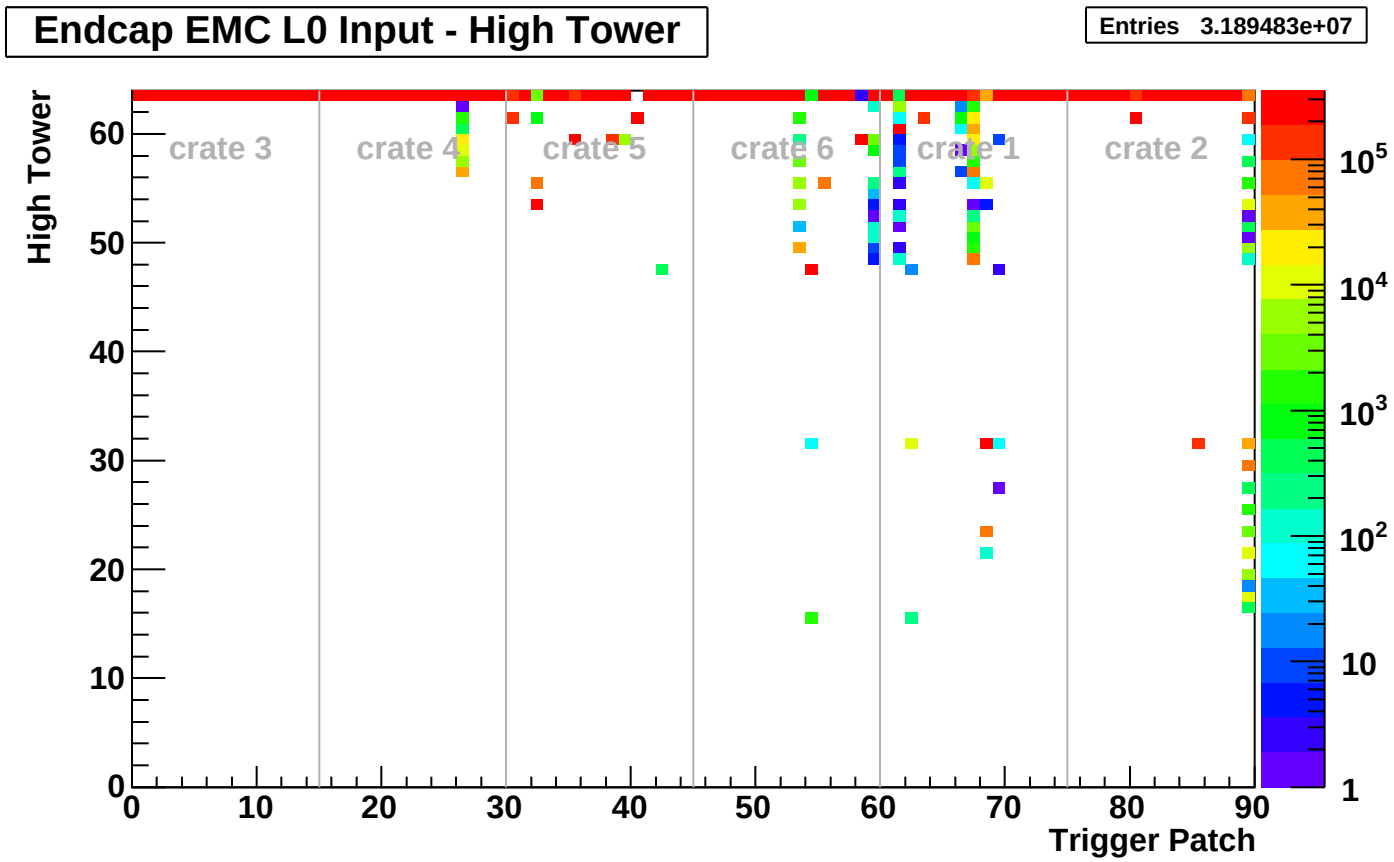

BunchId7Bit (all events)
Entries 354387
10^3
10^2
0
20
40
60
80
100
120

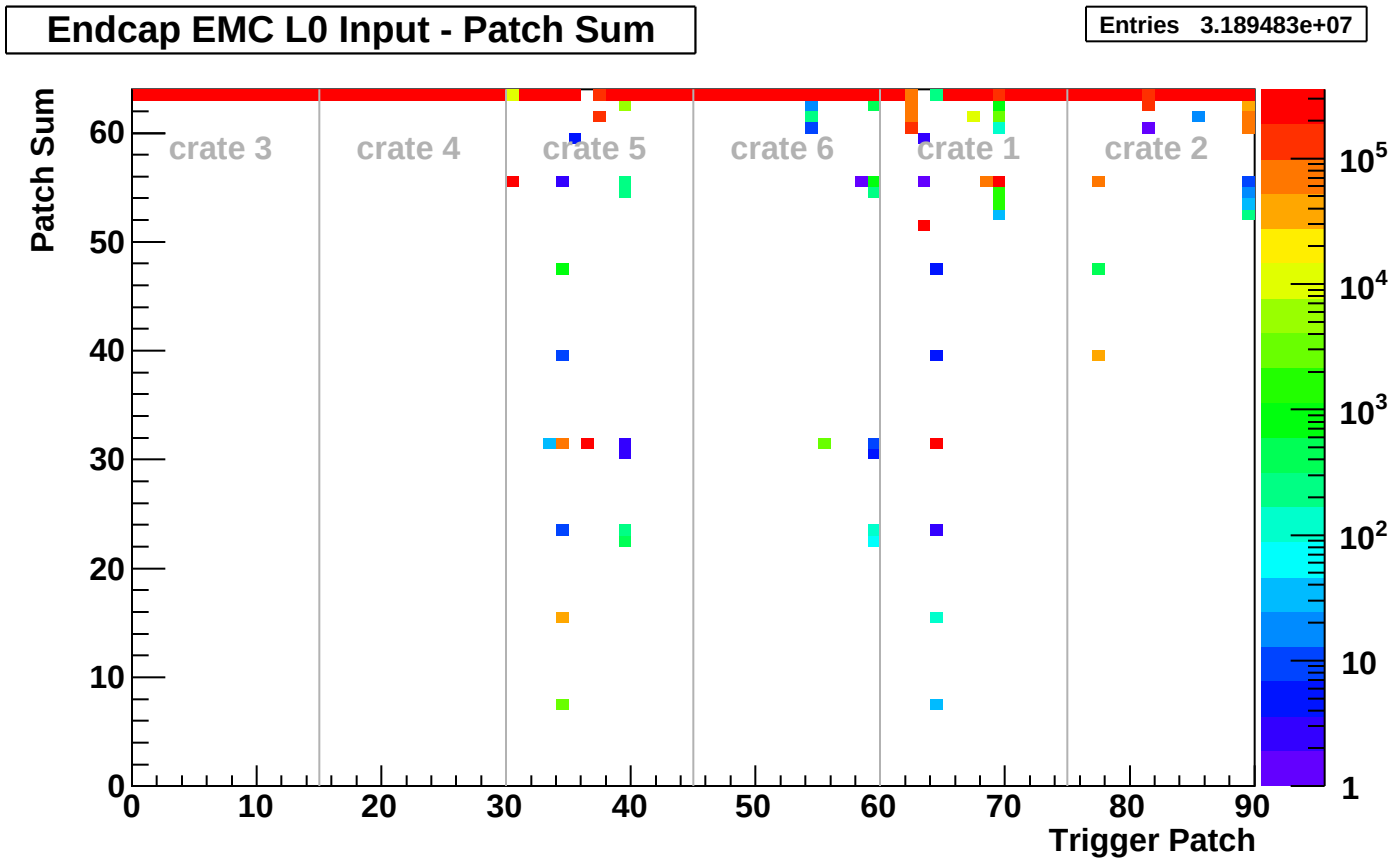

BunchId7Bit (JP1)
Entries 354387
10^3
10^2
0
20
40
60
80
100
120

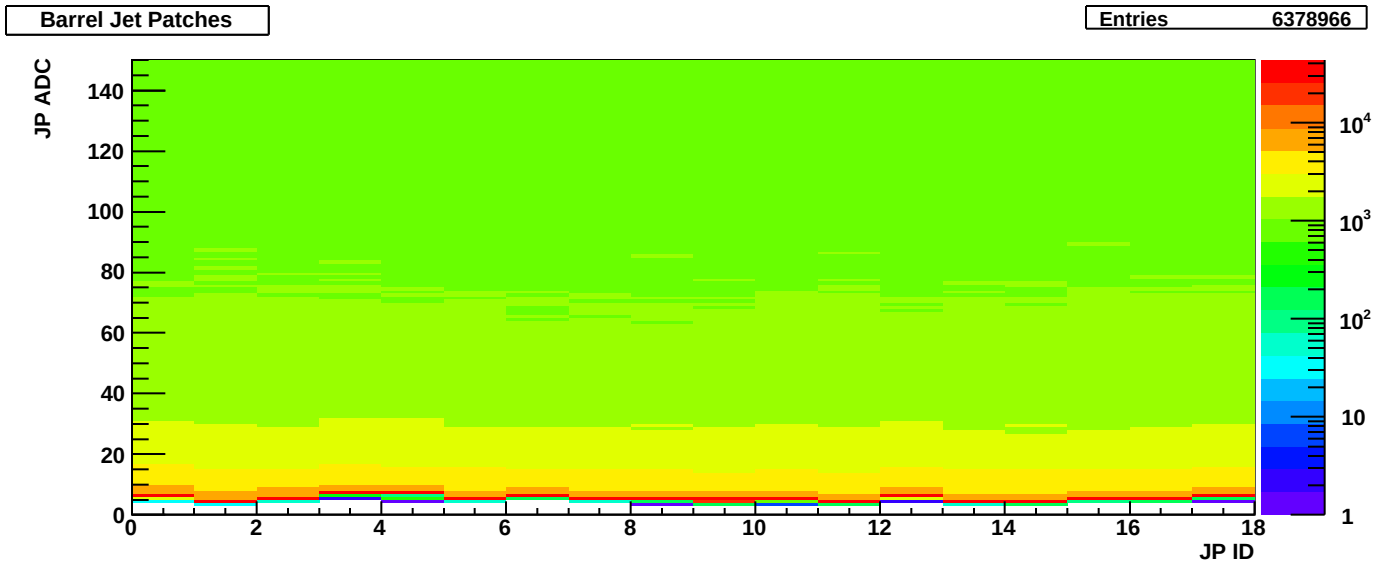

BunchId7Bit (JP2||AJP)
Entries 354387
10^3
10^2
0
20
40
60
80
100
120

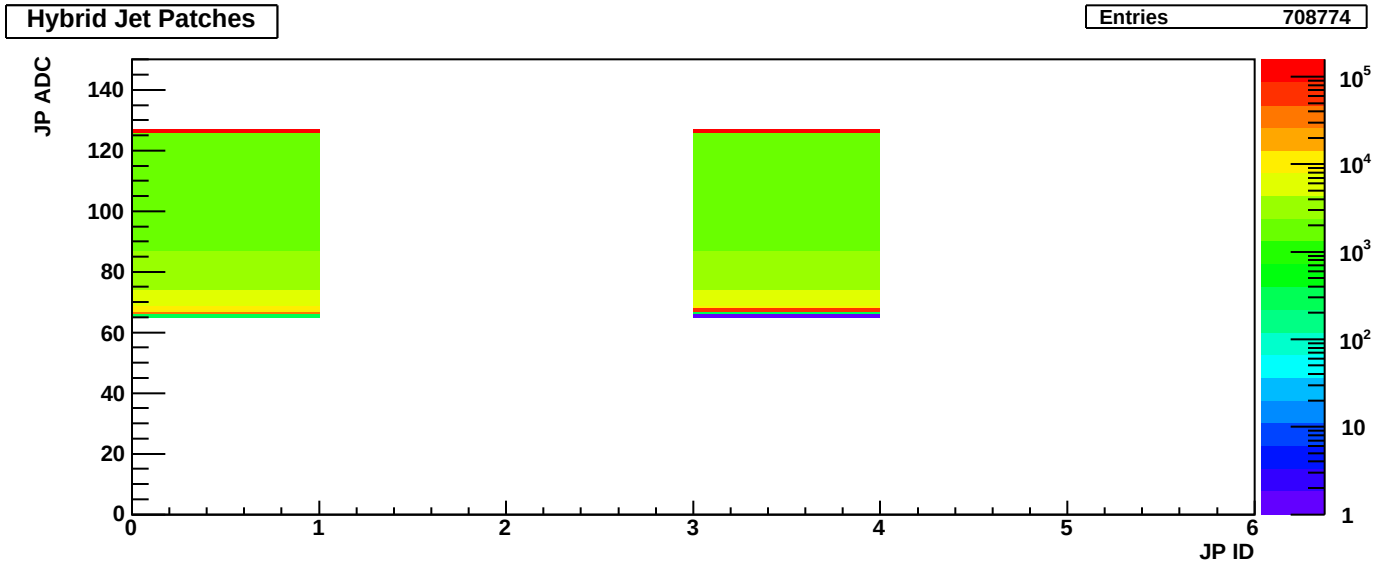

Barrel EMC L0 Input - High Tower
Entries 1.063161e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

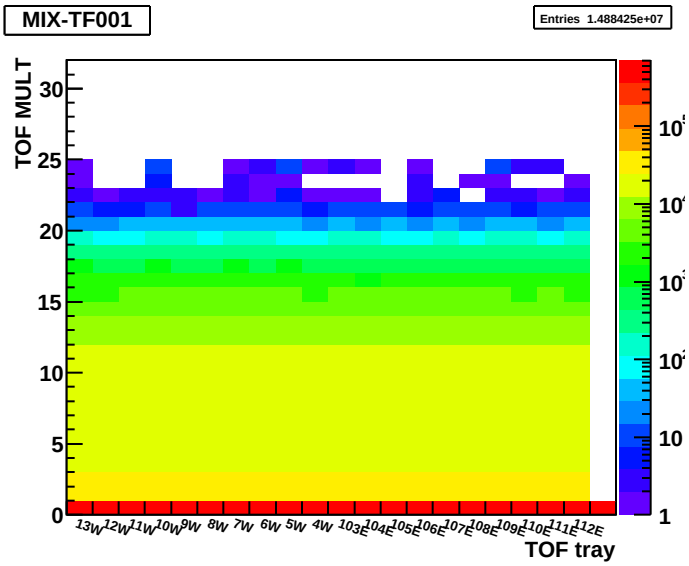

Barrel EMC L0 Input - Patch Sum
Entries 1.063161e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

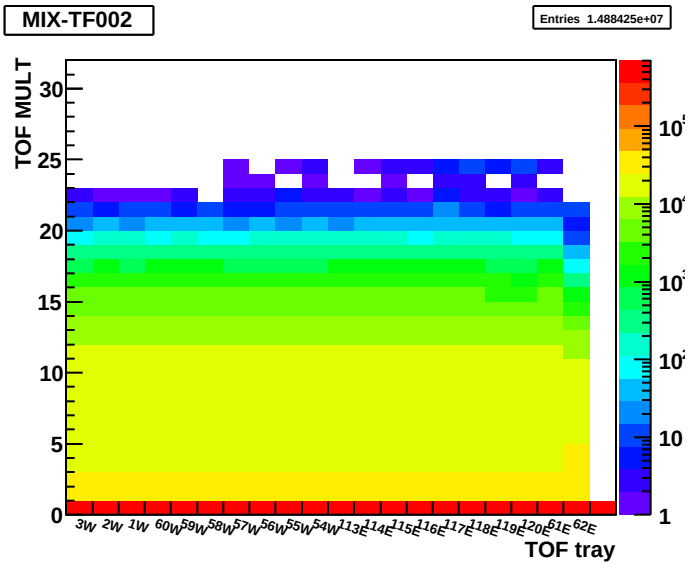

Endcap EMC L0 Input - High Tower
Entries 3.189483e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

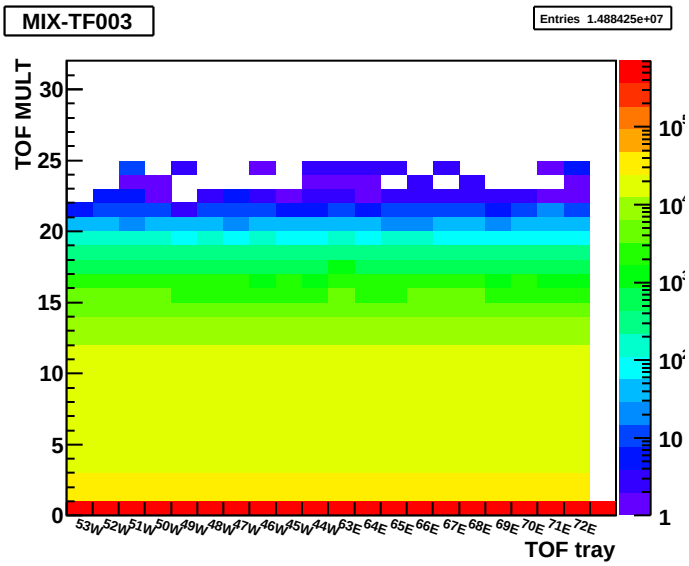

Endcap EMC L0 Input - Patch Sum
Entries 3.189483e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

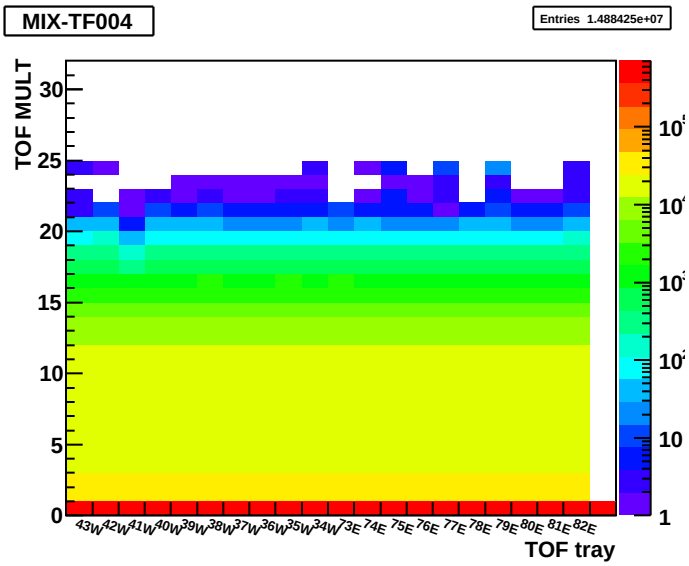

Barrel Jet Patches
Entries 6378966
JP ADC
JP ID

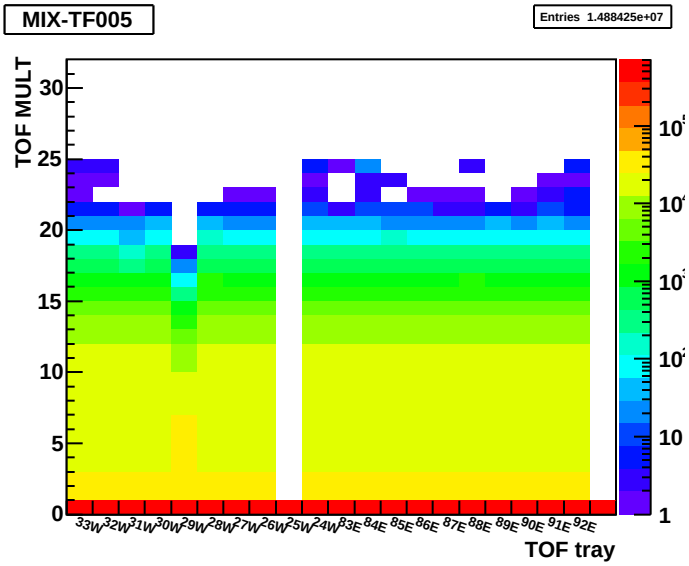

Hybrid Jet Patches
Entries 708774
JP ADC
JP ID

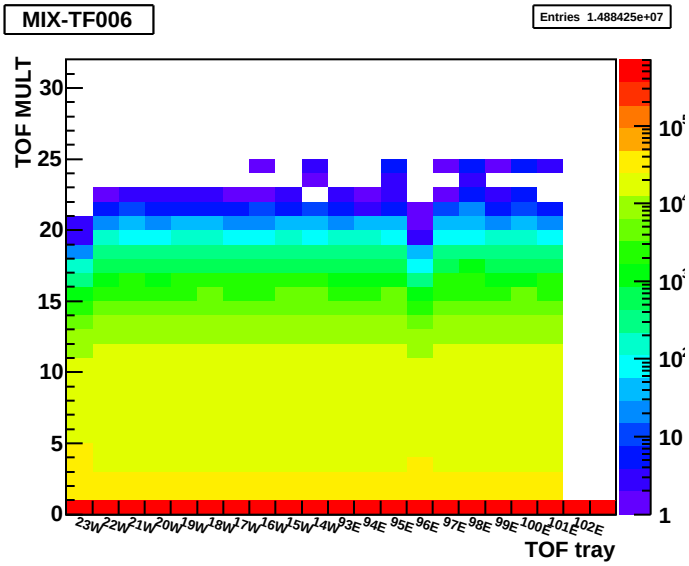

MIX-TF001
Entries 1.488425e+07
TOF MULT
TOF tray

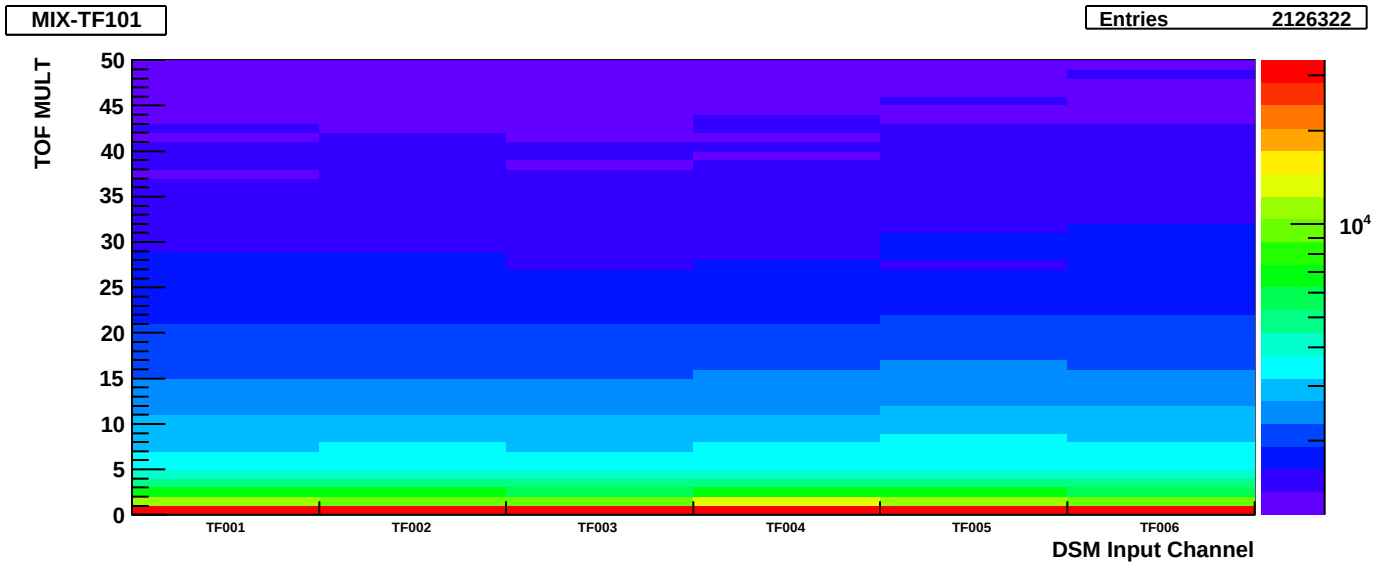

MIX-TF002
Entries 1.488425e+07
TOF MULT
TOF tray

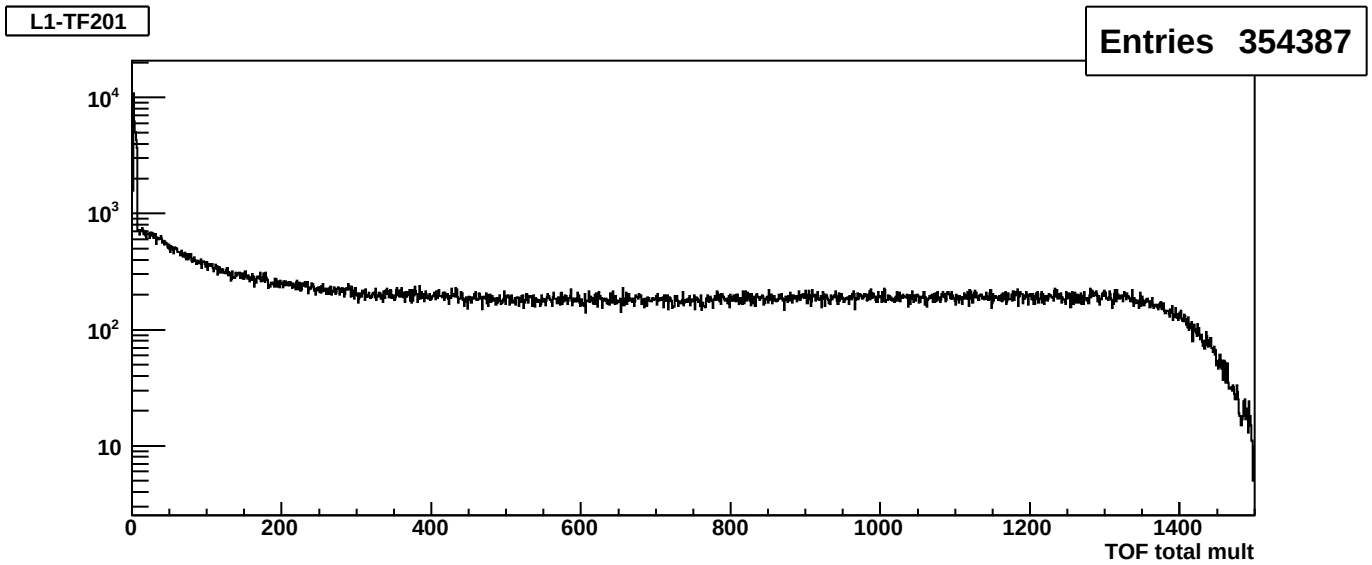

MIX-TF003
Entries 1.488425e+07
TOF MULT
TOF tray

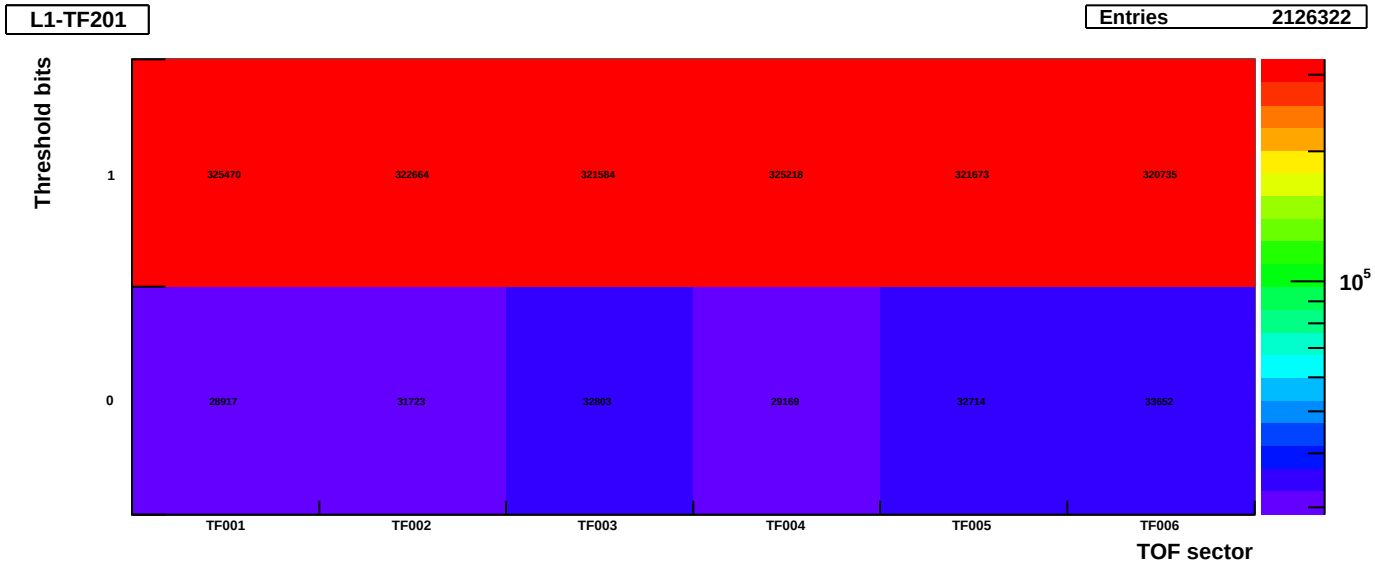

MIX-TF004
Entries 1.488425e+07
TOF MULT
TOF tray

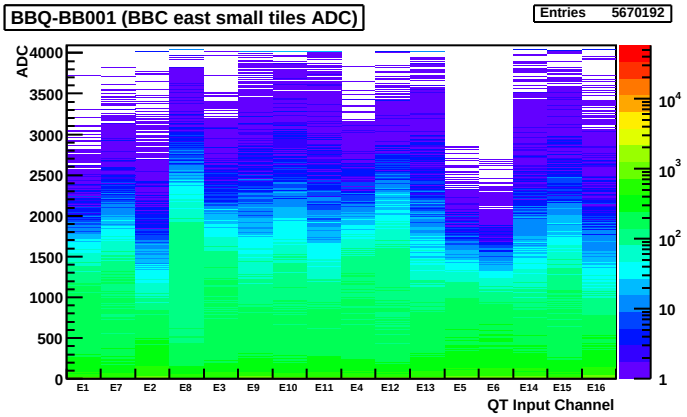

MIX-TF005
Entries 1.488425e+07
TOF MULT
TOF tray

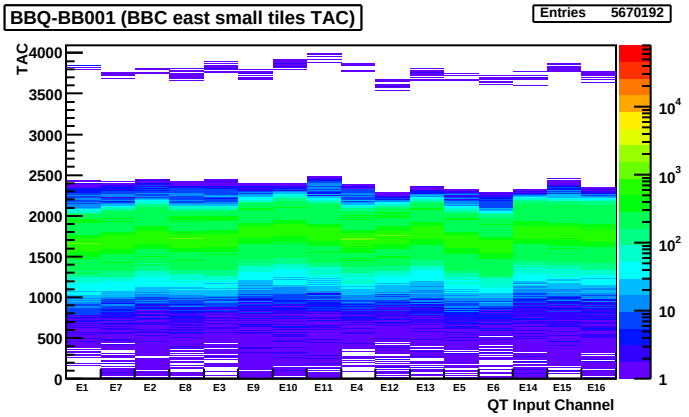

MIX-TF006
Entries 1.488425e+07
TOF MULT
TOF tray

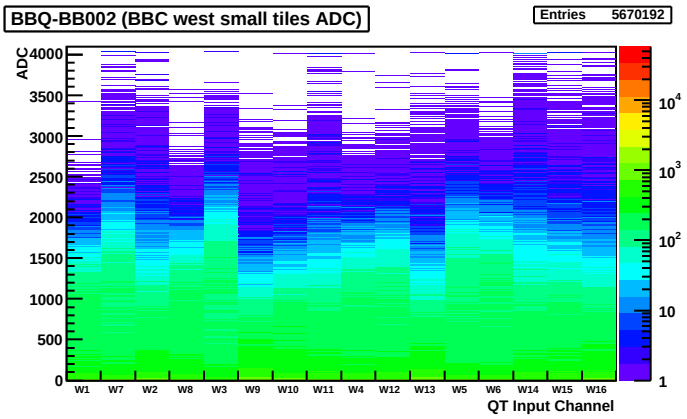

MIX-TF101
Entries 2126322
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

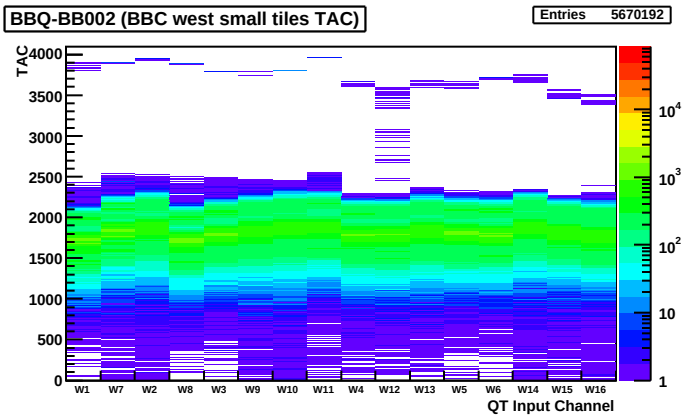

L1-TF201
Entries 354387
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

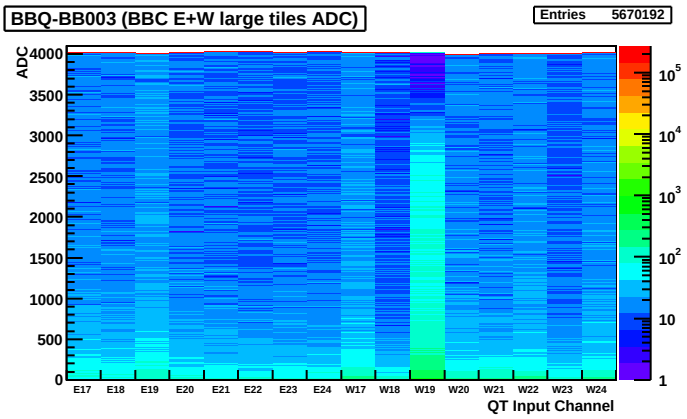

L1-TF201
Entries 2126322
Threshold bits
1
0
325470
322664
321584
325218
321673
320735
28917
31723
32803
29169
32714
33652
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

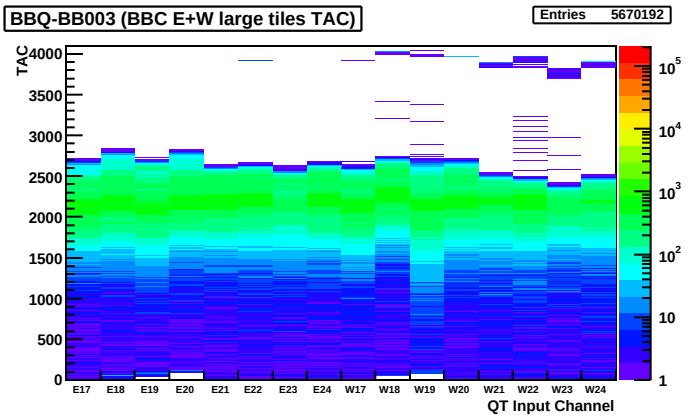

BBQ-BB001 (BBC east small tiles ADC)
Entries 5670192
ADC
QT Input Channel

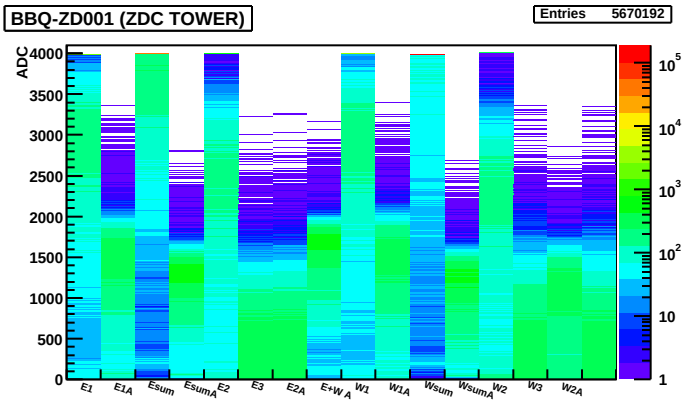

BBQ-BB001 (BBC east small tiles TAC)
Entries 5670192
TAC
QT Input Channel

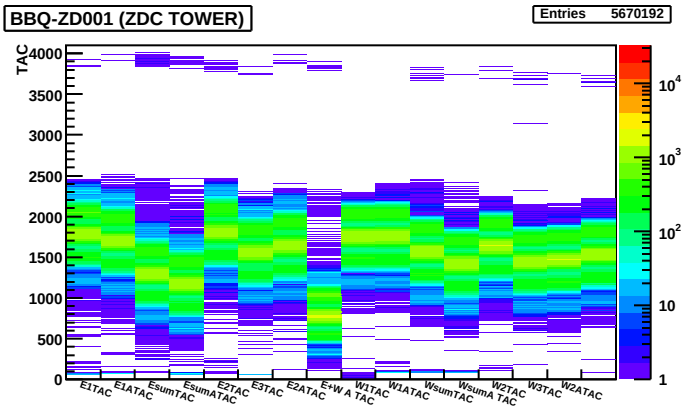

BBQ-BB002 (BBC west small tiles ADC)
Entries 5670192
ADC
QT Input Channel

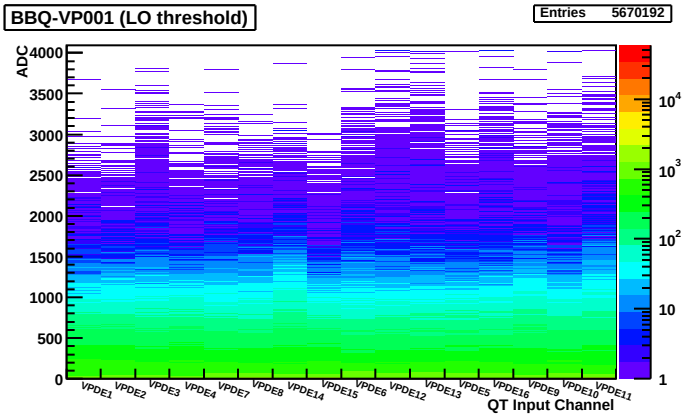

BBQ-BB002 (BBC west small tiles TAC)
Entries 5670192
TAC
QT Input Channel

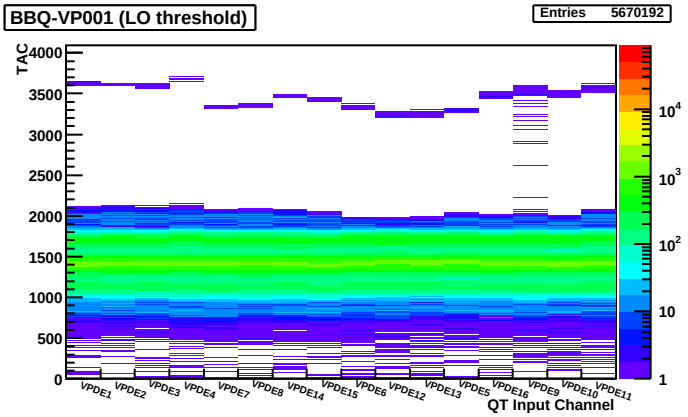

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5670192
ADC
QT Input Channel

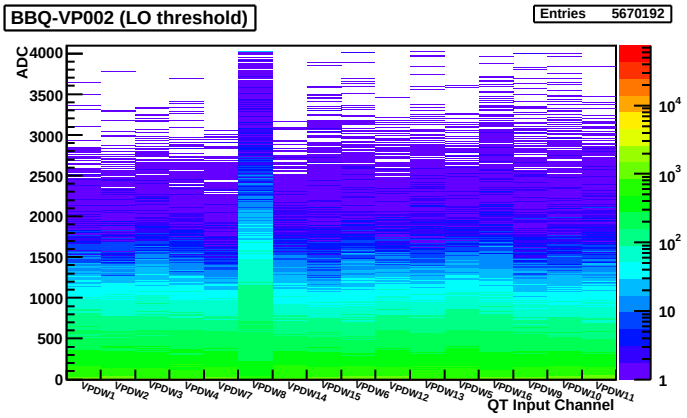

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5670192
TAC
QT Input Channel

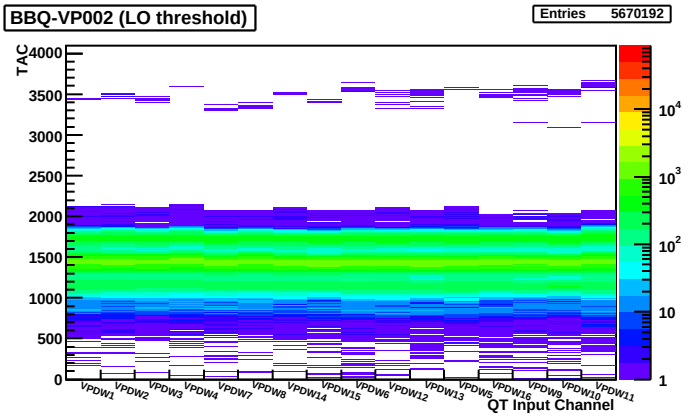

BBQ-ZD001 (ZDC TOWER)
Entries 5670192
ADC

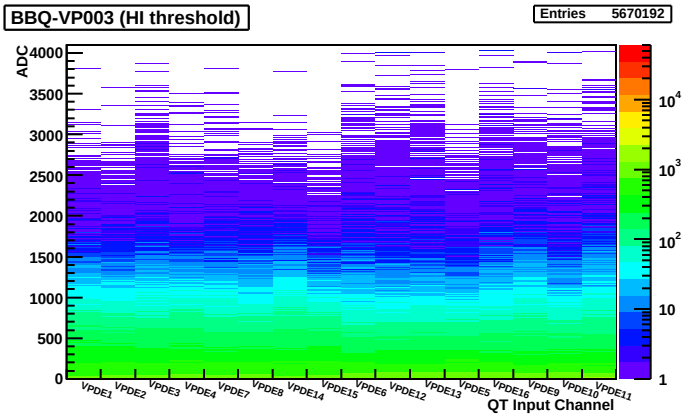

BBQ-ZD001 (ZDC TOWER)
Entries 5670192
TAC

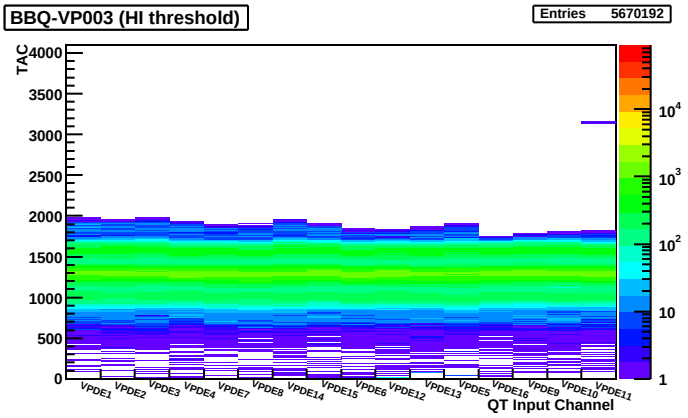

BBQ-VP001 (LO threshold)
Entries 5670192
ADC
QT Input Channel

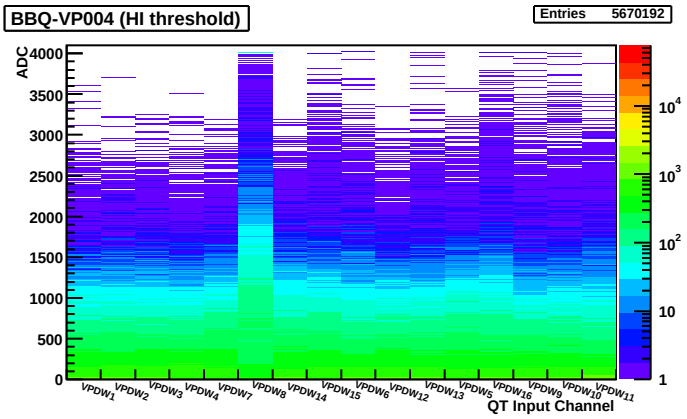

BBQ-VP001 (LO threshold)
Entries 5670192
TAC
QT Input Channel

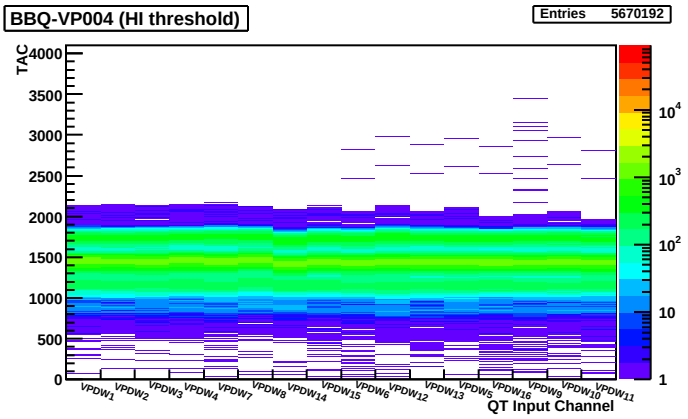

BBQ-VP002 (LO threshold)
Entries 5670192
ADC
QT Input Channel

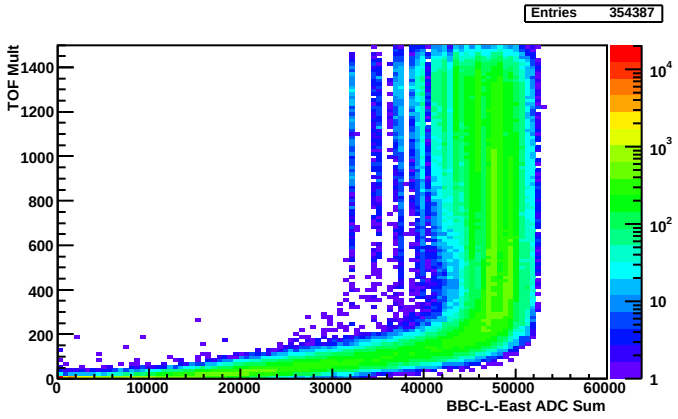

BBQ-VP002 (LO threshold)
Entries 5670192
TAC
QT Input Channel

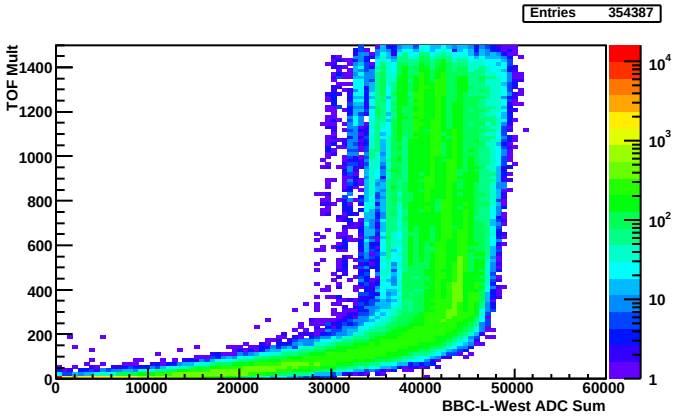

BBQ-VP003 (HI threshold)
Entries 5670192
ADC
QT Input Channel

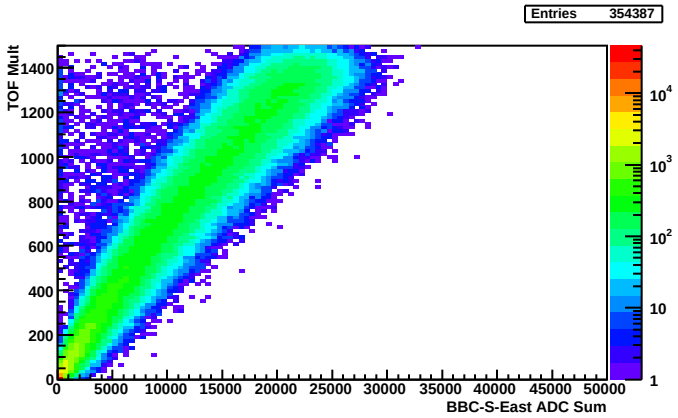

BBQ-VP003 (HI threshold)
Entries 5670192
TAC
QT Input Channel

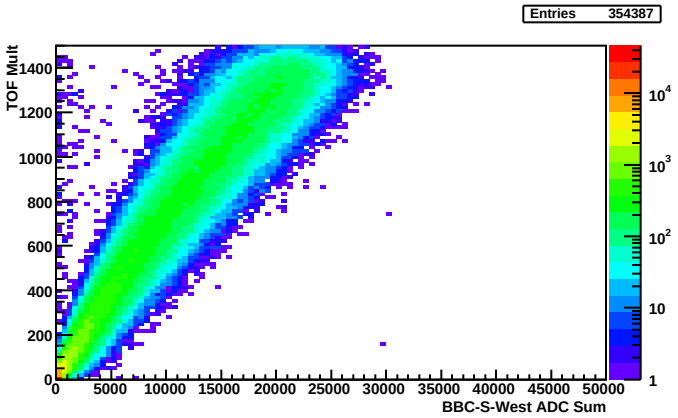

BBQ-VP004 (HI threshold)
Entries 5670192
ADC
QT Input Channel

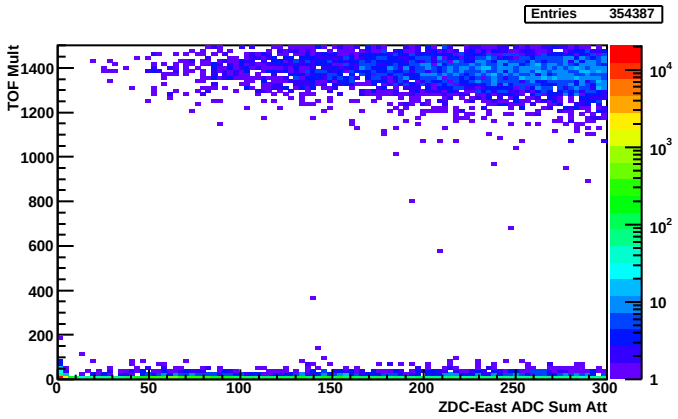

BBQ-VP004 (HI threshold)
Entries 5670192
TAC
QT Input Channel

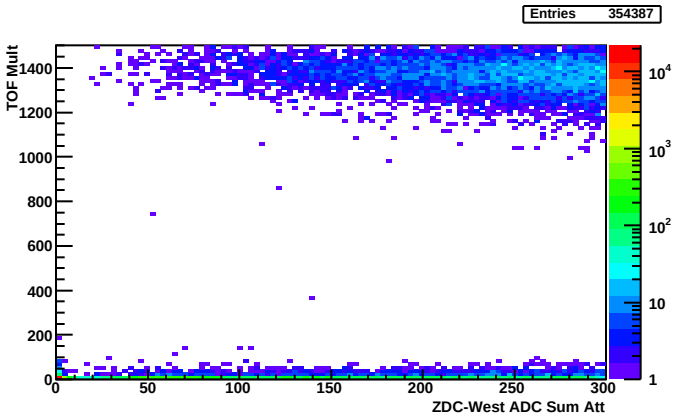

Entries 354387
TOF Mult
BBC-L-East ADC Sum

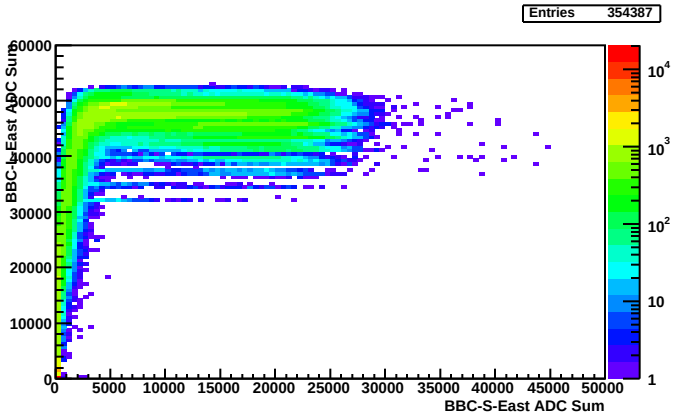

Entries 354387
TOF Mult
BBC-L-West ADC Sum

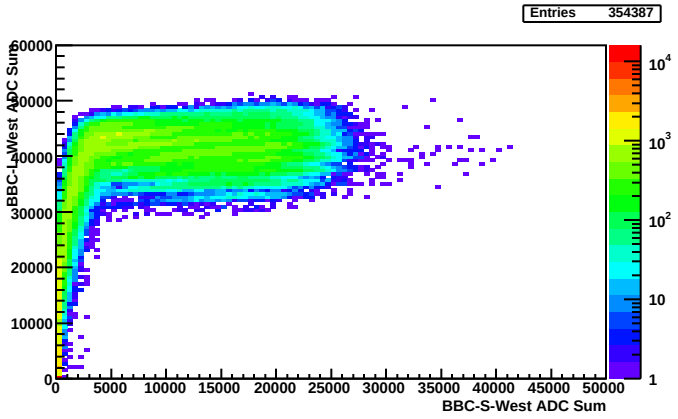

Entries 354387
TOF Mult
BBC-S-East ADC Sum

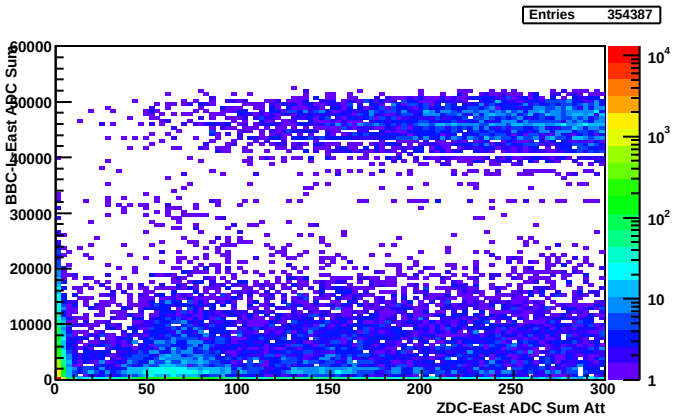

Entries 354387
TOF Mult
BBC-S-West ADC Sum

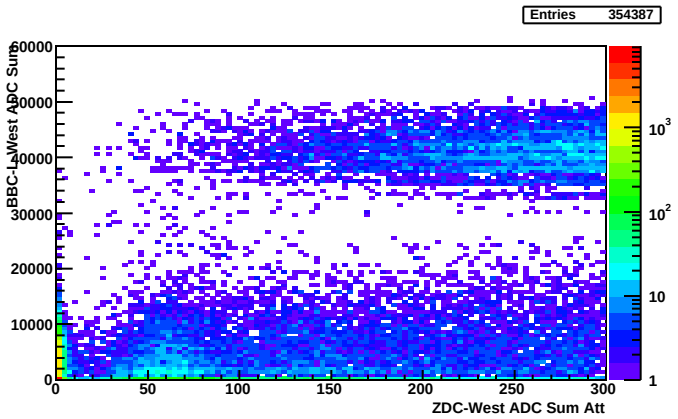

Entries 354387
TOF Mult
ZDC-East ADC Sum Att

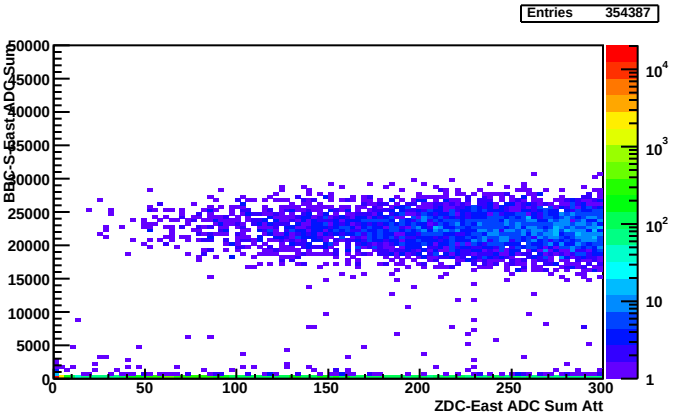

Entries 354387
TOF Mult
ZDC-West ADC Sum Att


Entries 354387
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 354387
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 354387
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 354387
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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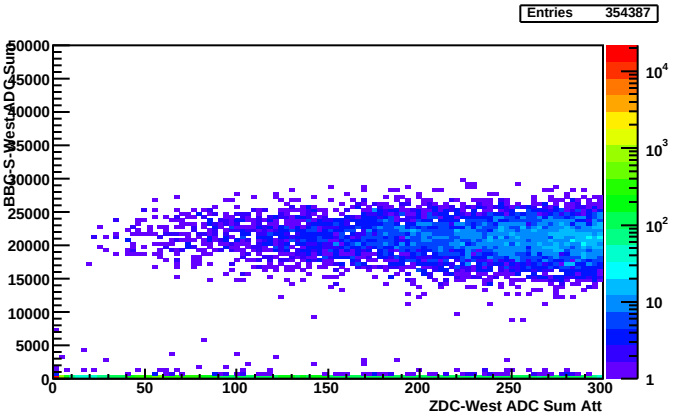
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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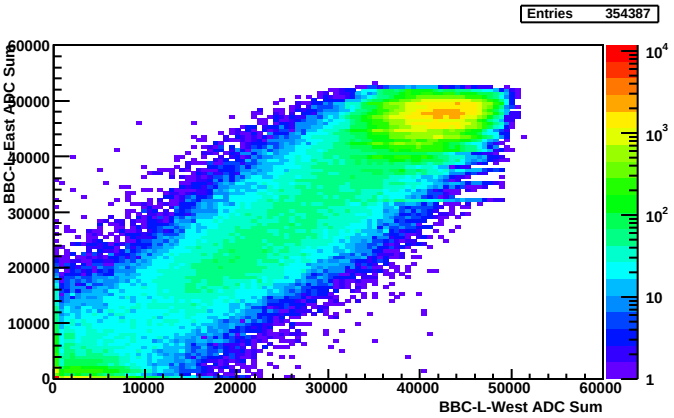
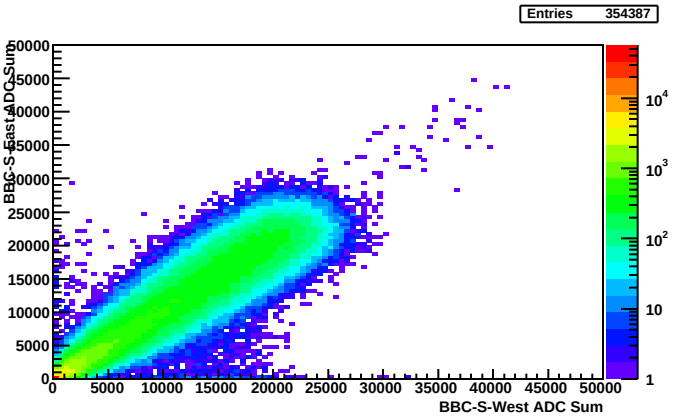
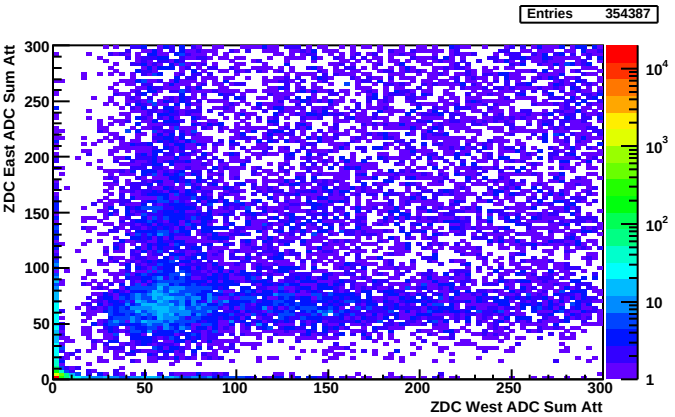
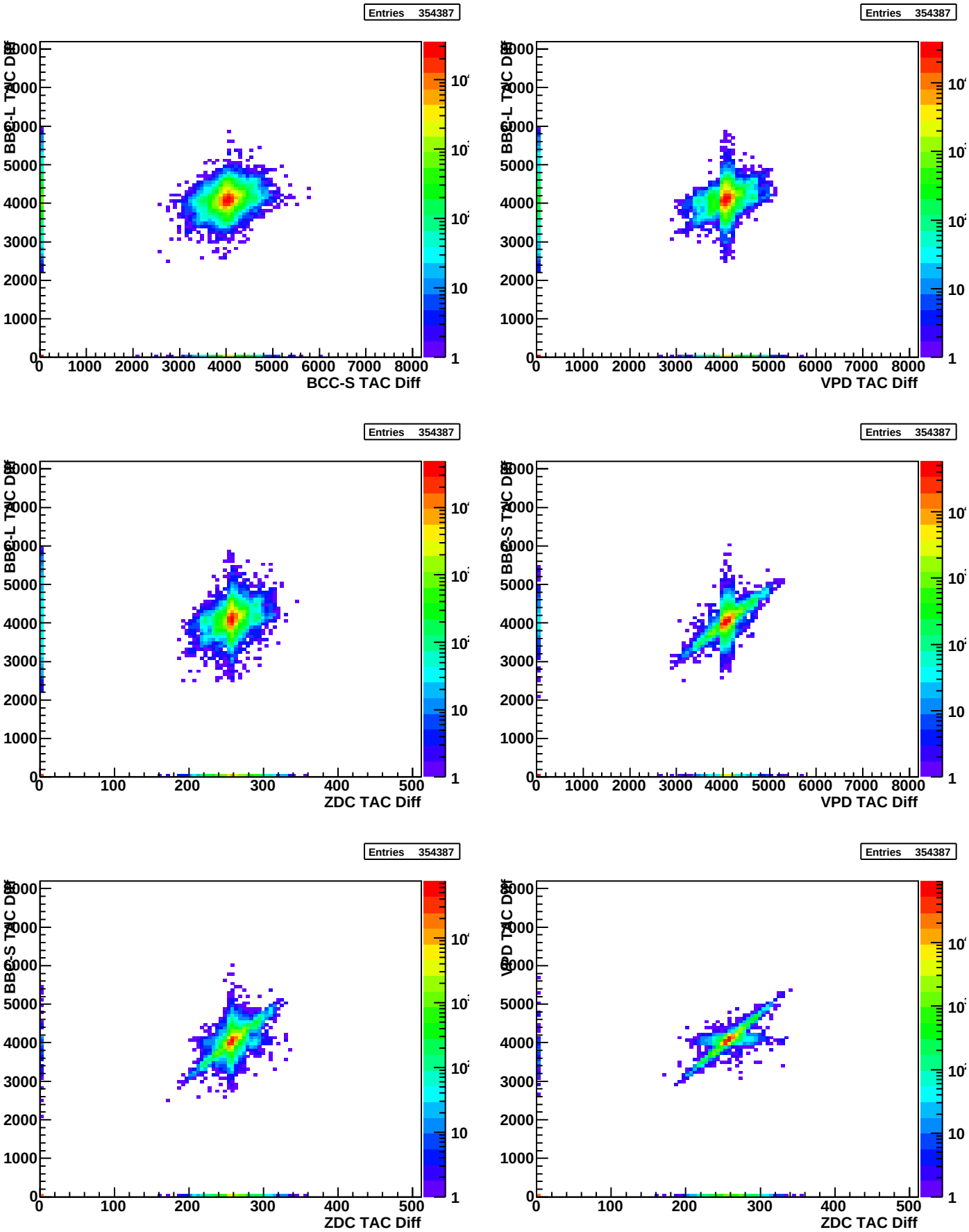
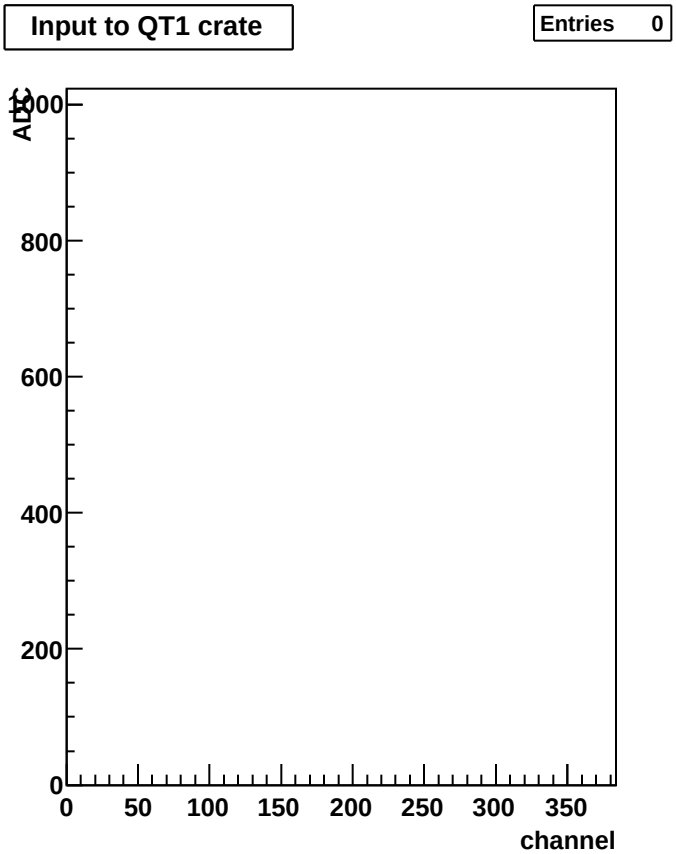
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

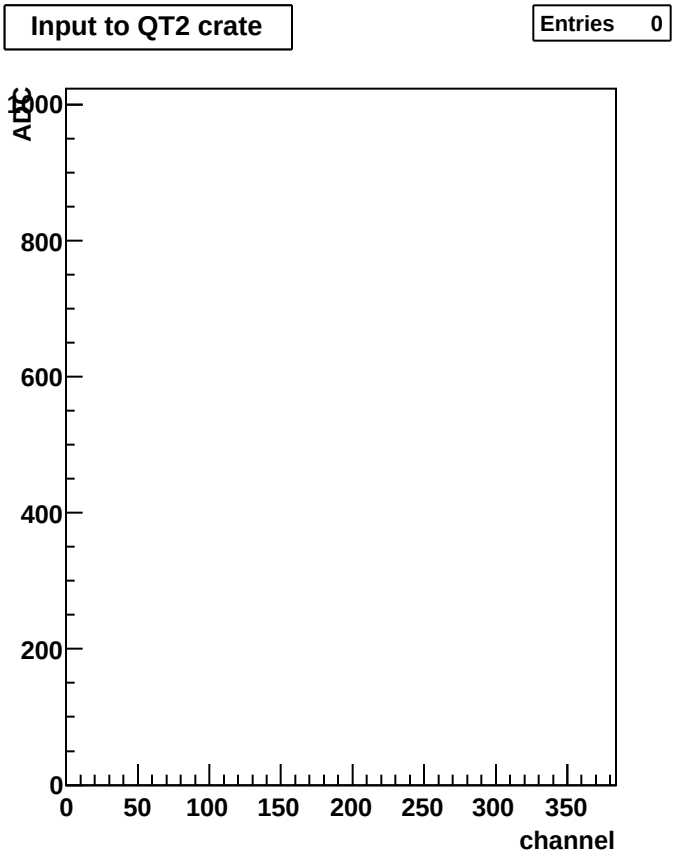

Entries 354387
BBC-L-East ADC Sum
BBC-L-West ADC Sum

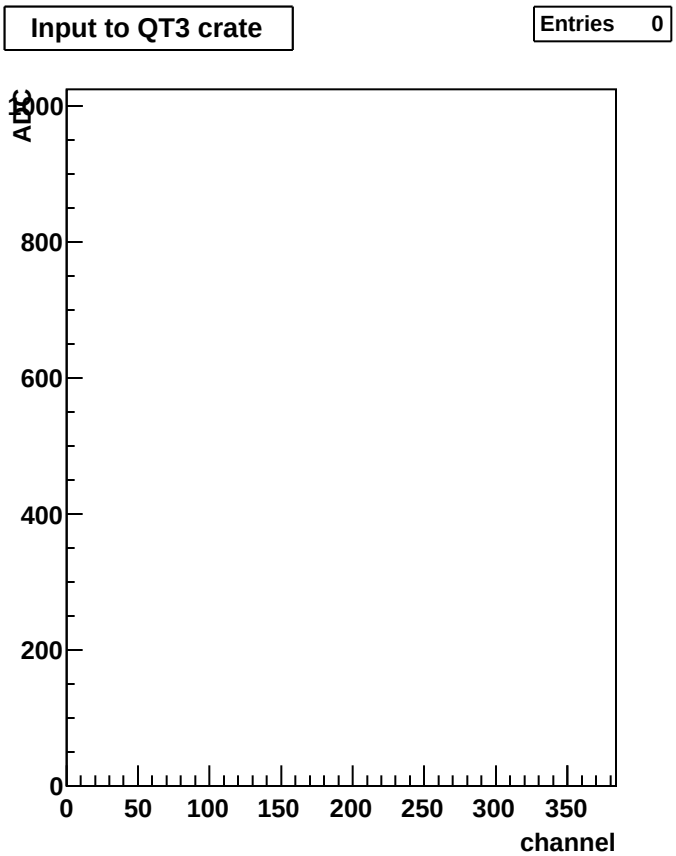

Entries 354387
BBC-S-East ADC Sum
BBC-S-West ADC Sum

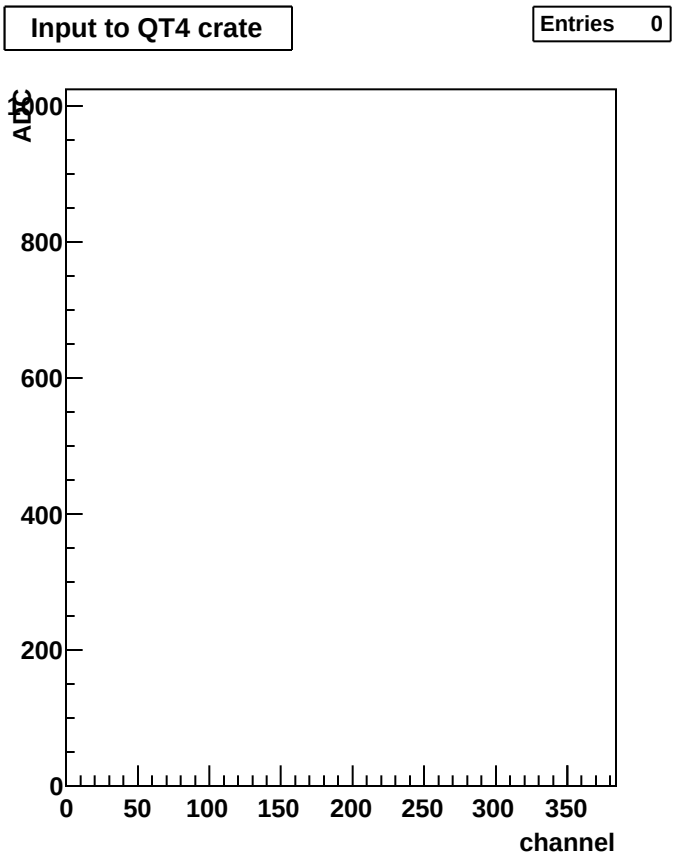

Entries 354387
ZDC East ADC Sum Att
ZDC West ADC Sum Att

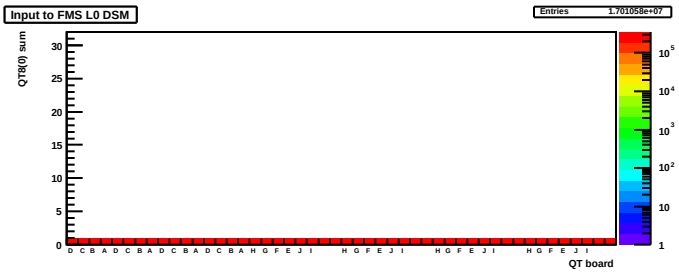

Entries 354387
BBC-L TAC Diff
BCC-S TAC Diff
Entries 354387
BBC-L TAC Diff
VPD TAC Diff
Entries 354387
BBC-L TAC Diff
ZDC TAC Diff
Entries 354387
BBC-S TAC Diff
VPD TAC Diff
Entries 354387
BBC-S TAC Diff
ZDC TAC Diff
Entries 354387
VPD TAC Diff
ZDC TAC Diff

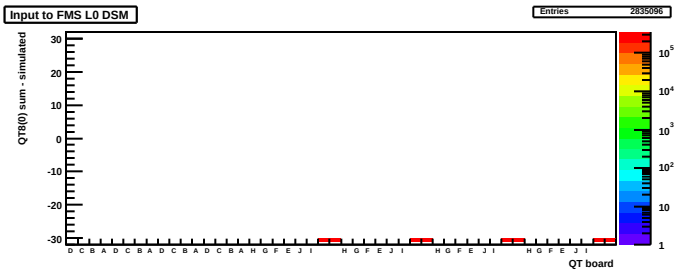

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

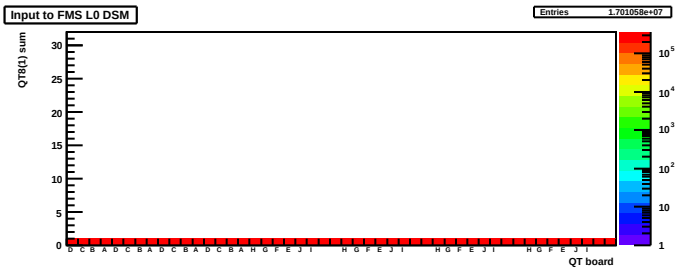

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

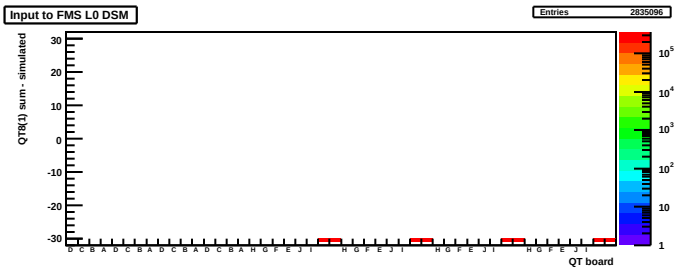

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

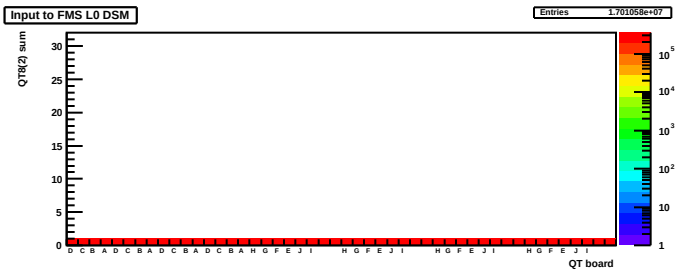

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

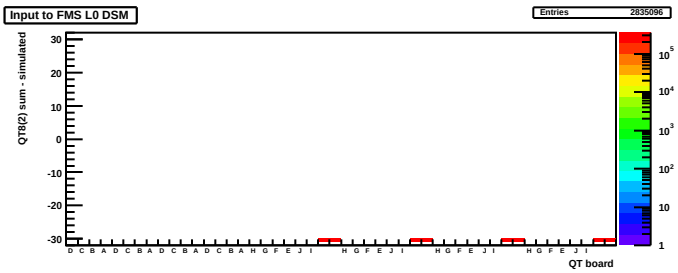

Input to FMS L0 DSM
Entries 1.701058e+07
QT8(0) sum
QT board

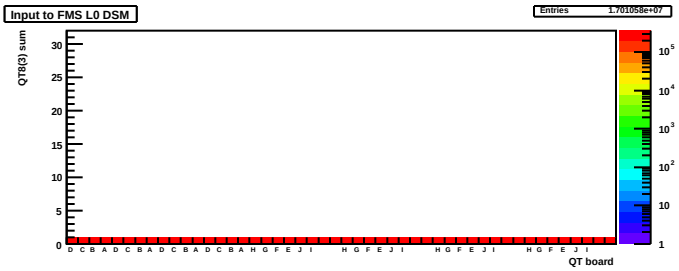

Input to FMS L0 DSM
Entries 2835096
QT8(0) sum - simulated
QT board

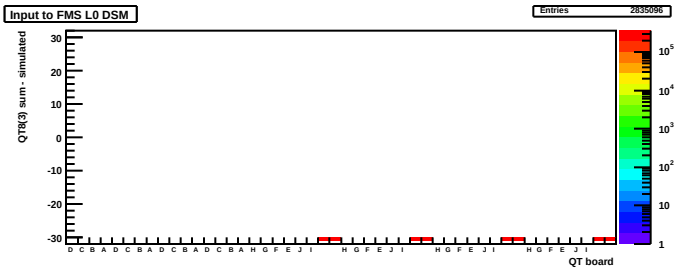

Input to FMS L0 DSM
Entries 1.701058e+07
QT8(1) sum
QT board

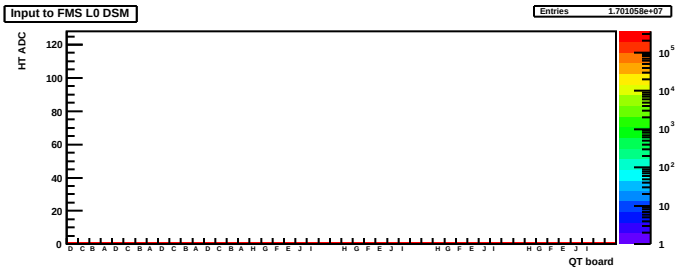

Input to FMS L0 DSM
Entries 2835096
QT8(1) sum - simulated
QT board

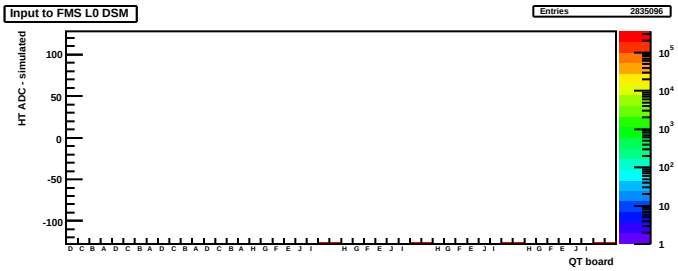

Input to FMS L0 DSM
Entries 1.701058e+07
QT8(2) sum
QT board

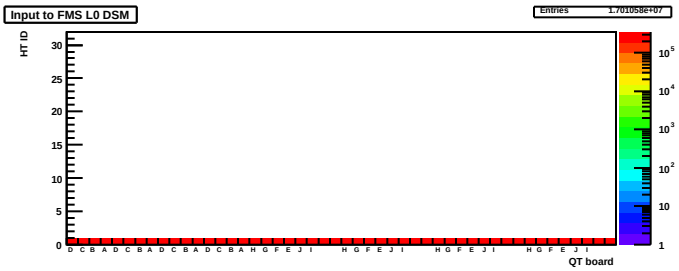

Input to FMS L0 DSM
Entries 2835096
QT8(2) sum - simulated
QT board

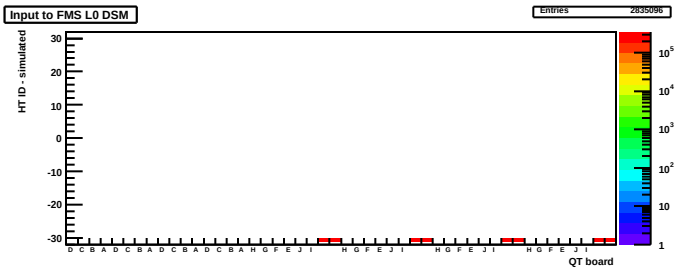

Input to FMS L0 DSM
Entries 1.701058e+07
QT8(3) sum
QT board

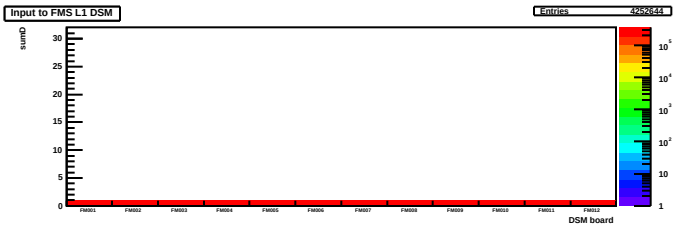

Input to FMS L0 DSM
Entries 2835096
QT8(3) sum - simulated
QT board

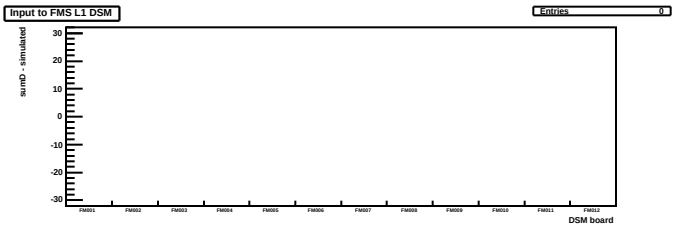

Input to FMS L0 DSM
Entries 1.701058e+07
HT ADC
QT board

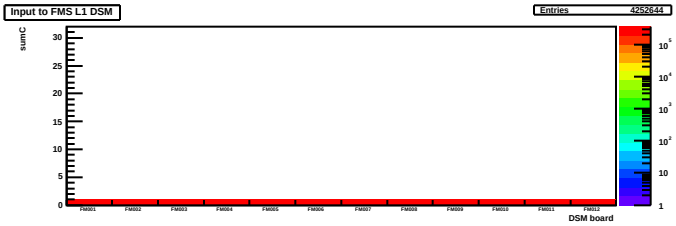

Input to FMS L0 DSM
Entries 2835096
HT ADC - simulated
QT board

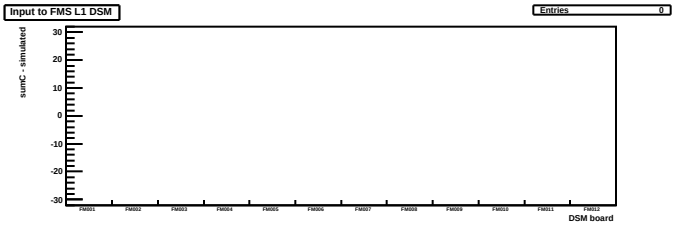

Input to FMS L0 DSM
Entries 1.701058e+07
HT ID
QT board

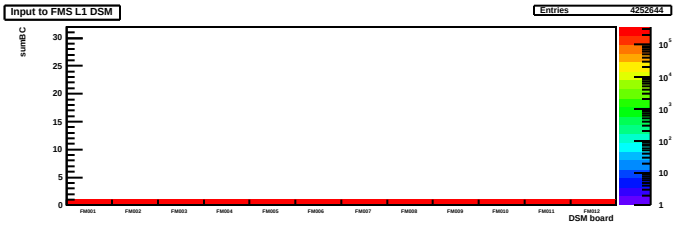

Input to FMS L0 DSM
Entries 2835096
HT ID - simulated
QT board

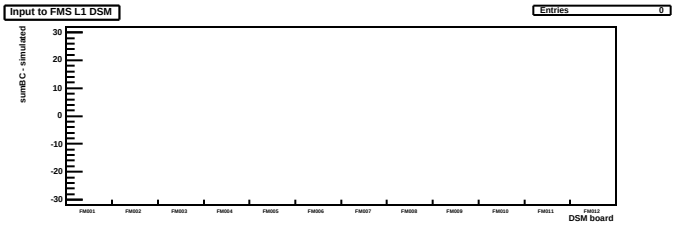

Input to FMS L1 DSM
Entries 4252644
sumD
DSM board

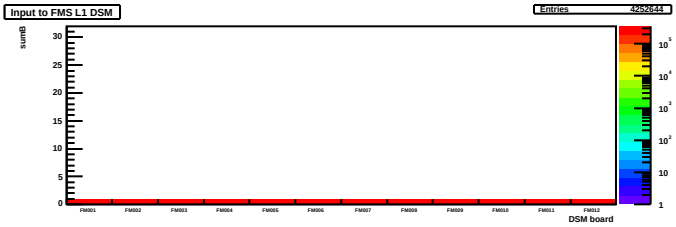

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

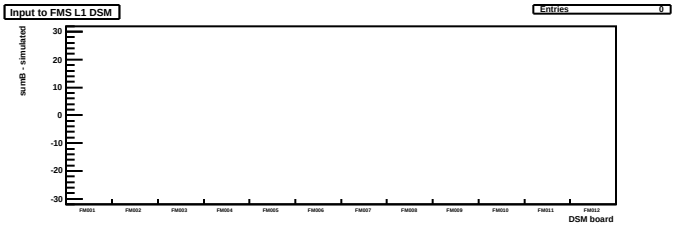

Input to FMS L1 DSM
Entries 4252644
sumC
DSM board

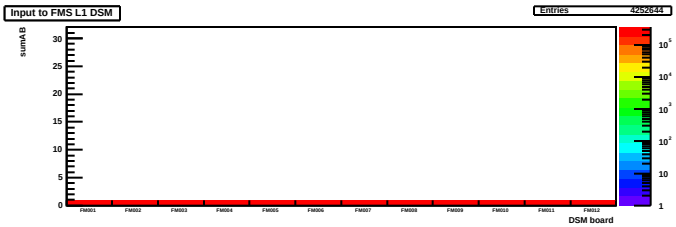

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

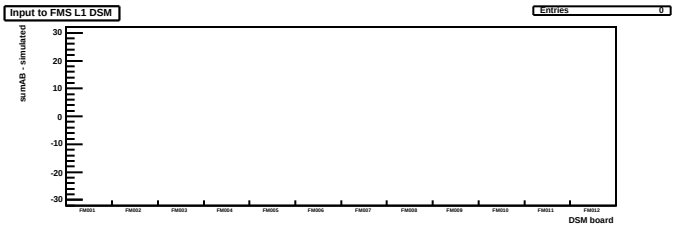

Input to FMS L1 DSM
Entries 4252644
sumBC
DSM board

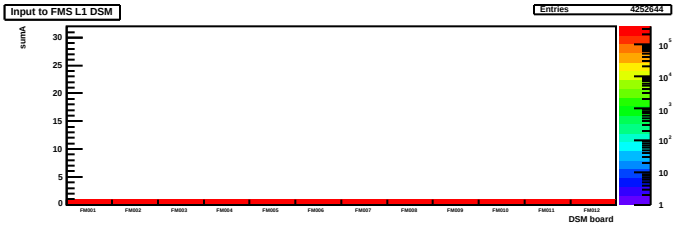

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

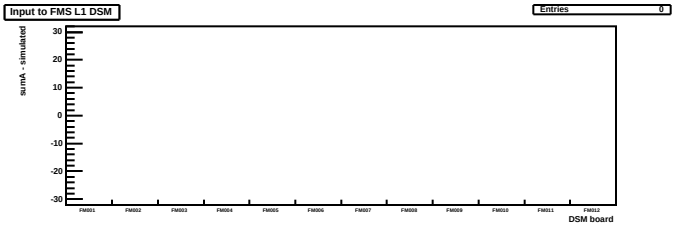

Input to FMS L1 DSM
Entries 4252644
sumB
DSM board

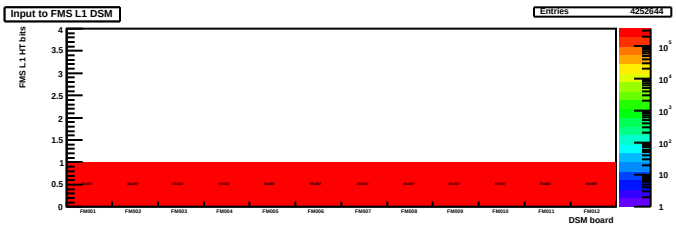

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

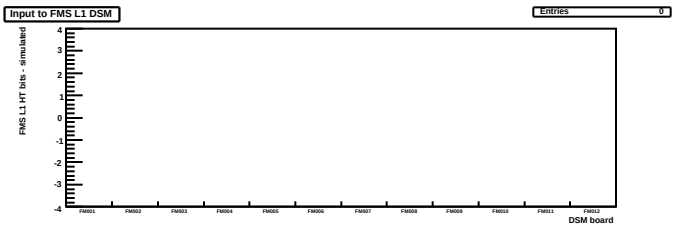

Input to FMS L1 DSM
Entries 4252644
sumAB
DSM board

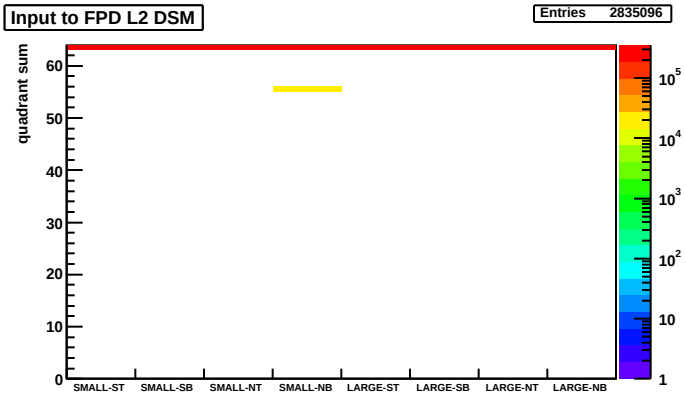

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

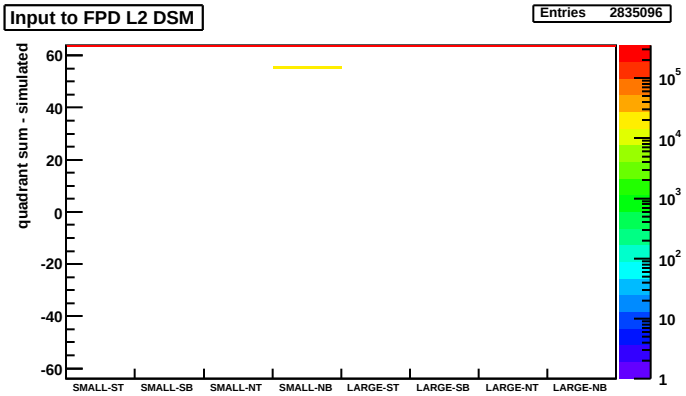

Input to FMS L1 DSM
Entries 4252644
sumA
DSM board

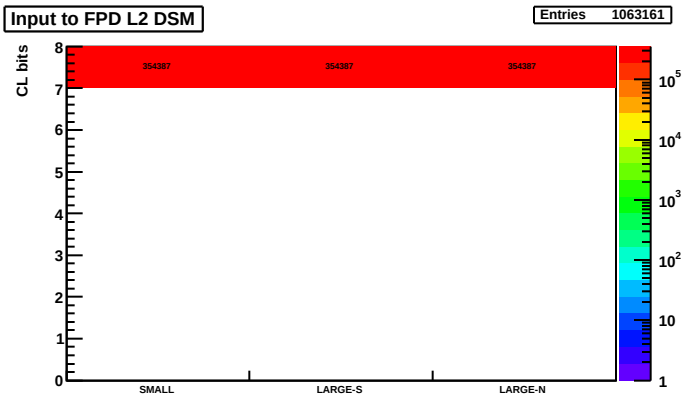

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

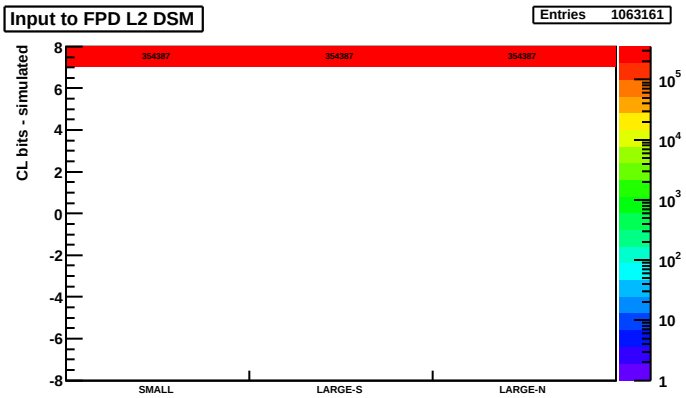

Input to FMS L1 DSM
Entries 4252644
FMS L1 HT bits
DSM board

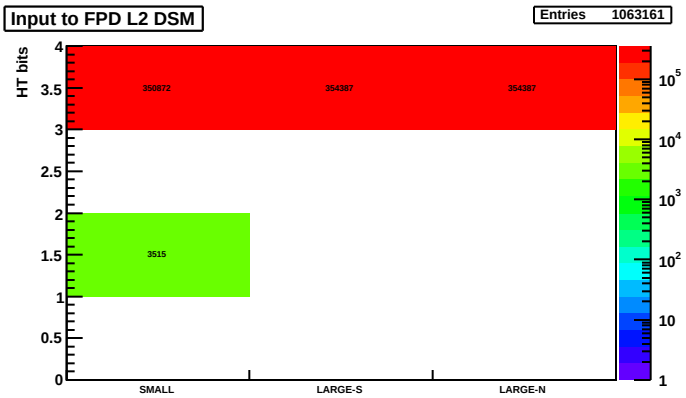

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

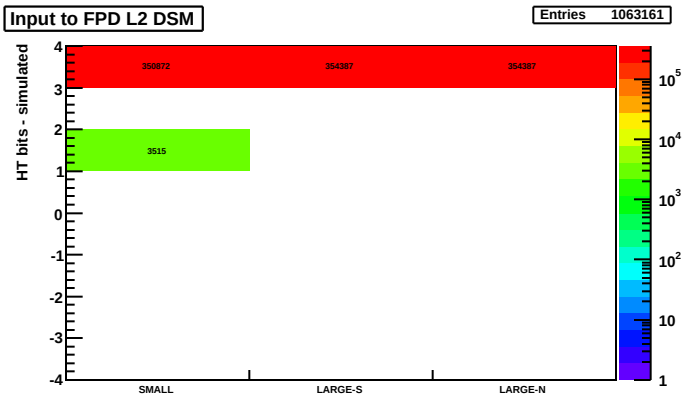

Input to FPD L2 DSM
Entries 2835096
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

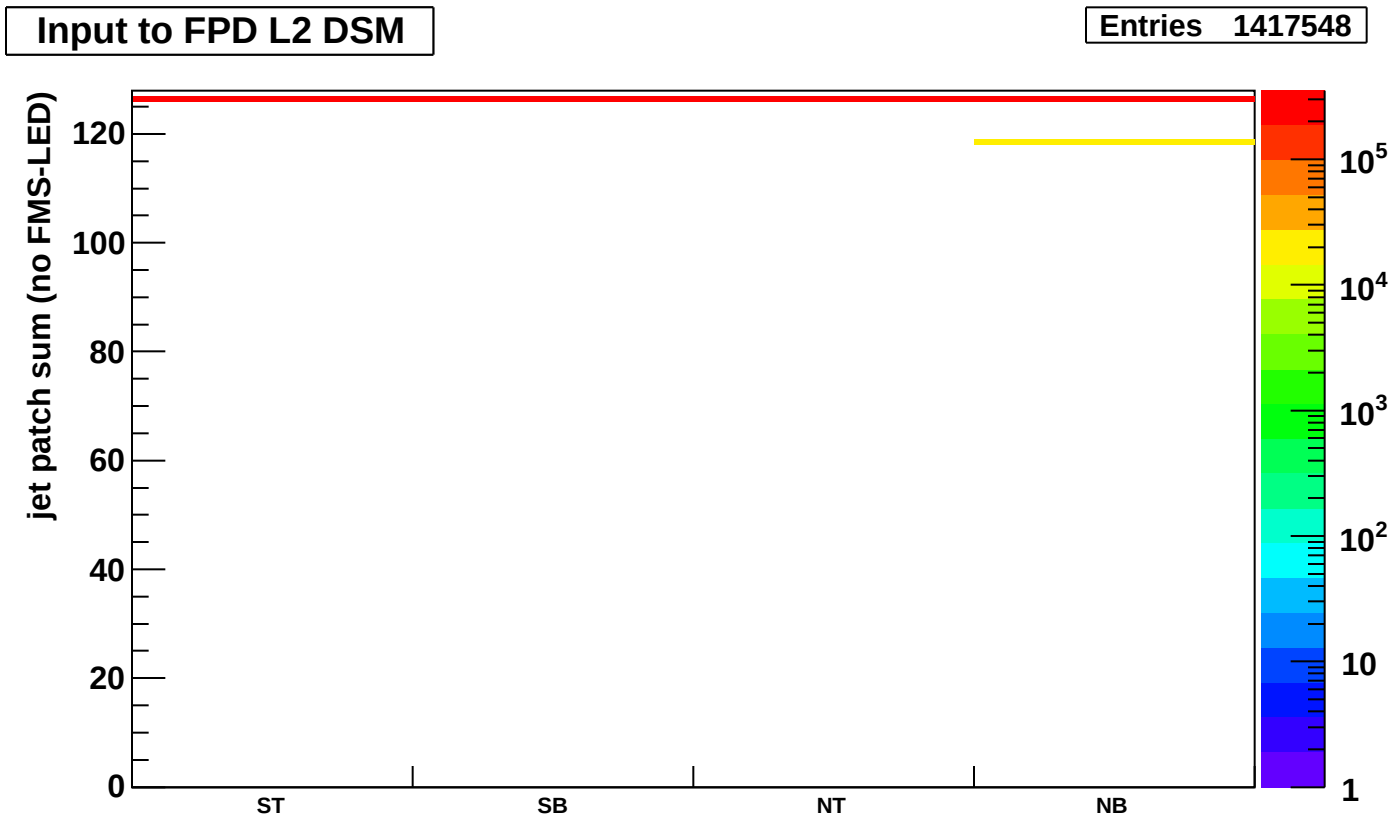

Input to FPD L2 DSM
Entries 2835096
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

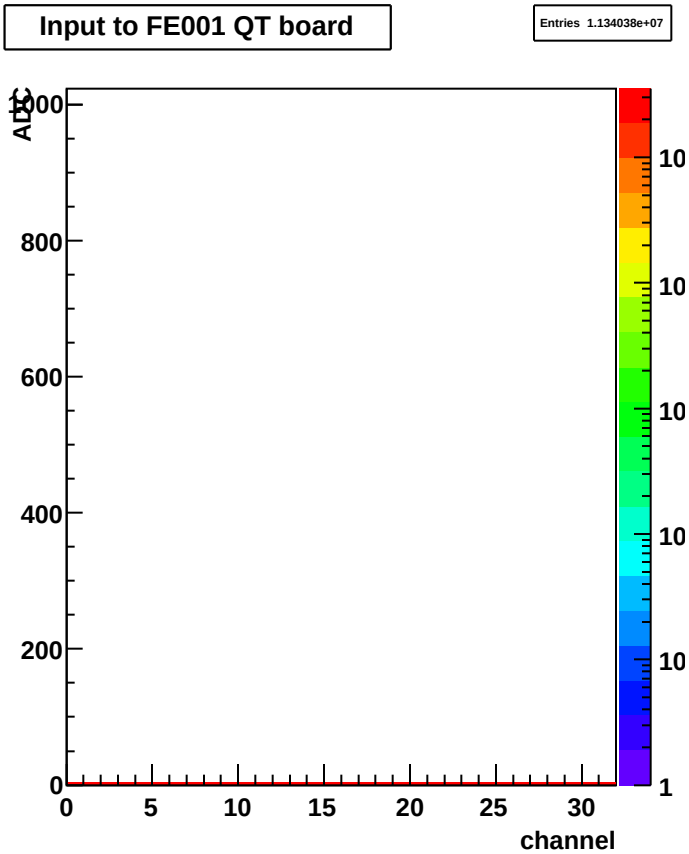

Input to FPD L2 DSM
Entries 1063161
CL bits
354387
354387
354387
SMALL
LARGE-S
LARGE-N

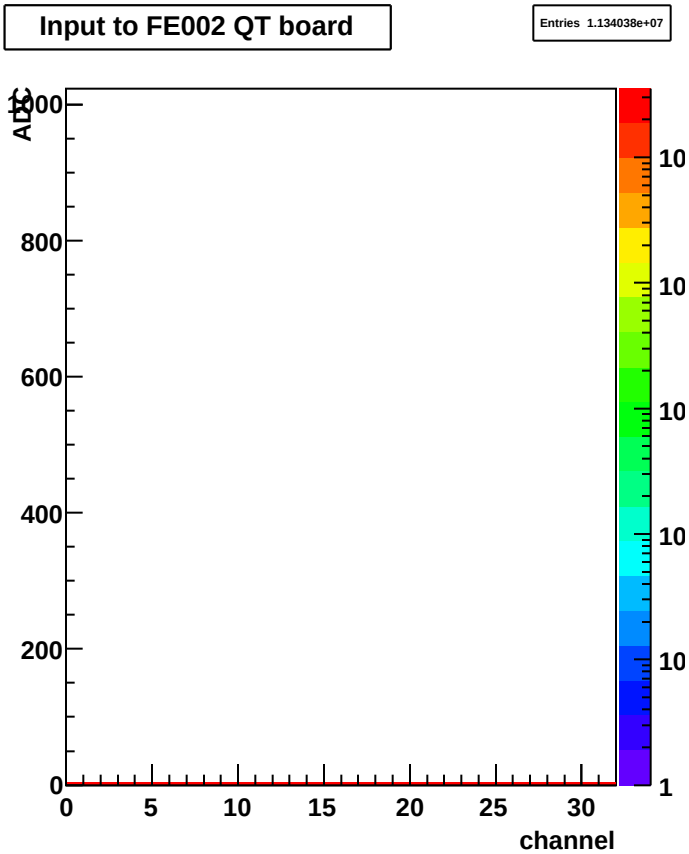

Input to FPD L2 DSM
Entries 1063161
CL bits - simulated
354387
354387
354387
SMALL
LARGE-S
LARGE-N

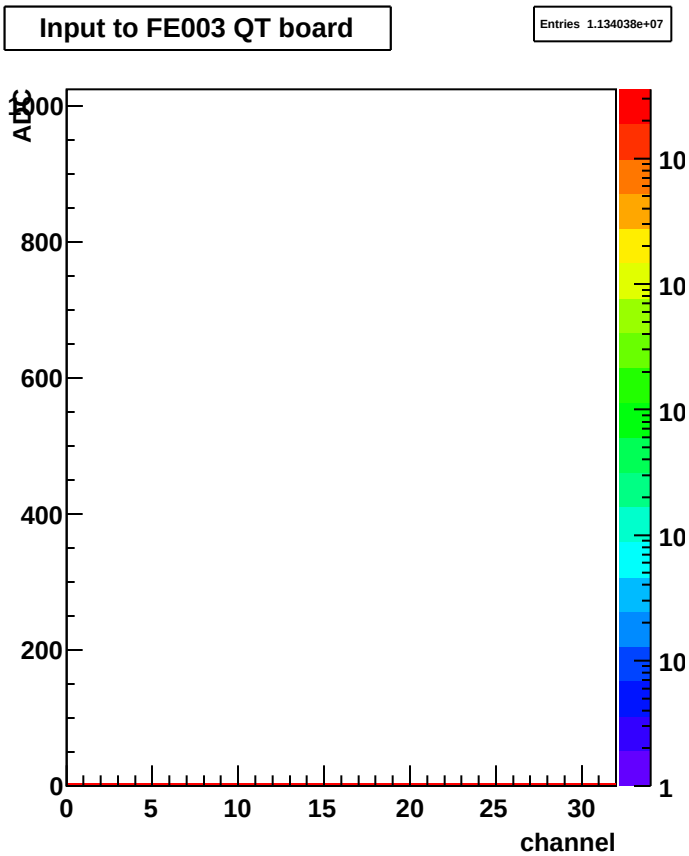

Input to FPD L2 DSM
Entries 1063161
HT bits
350872
354387
354387
3515
SMALL
LARGE-S
LARGE-N

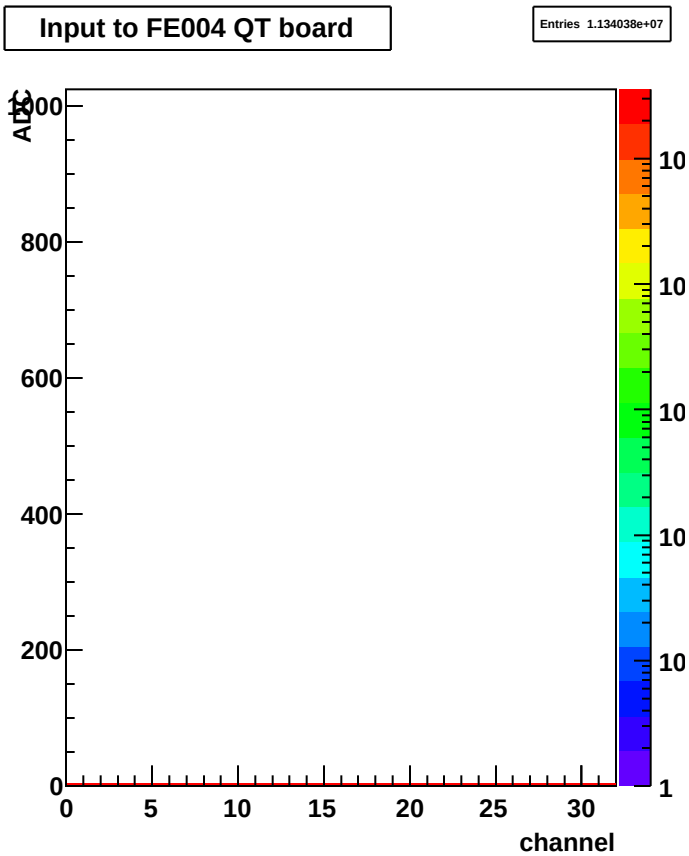

Input to FPD L2 DSM
Entries 1063161
HT bits - simulated
350872
354387
354387
3515
SMALL
LARGE-S
LARGE-N

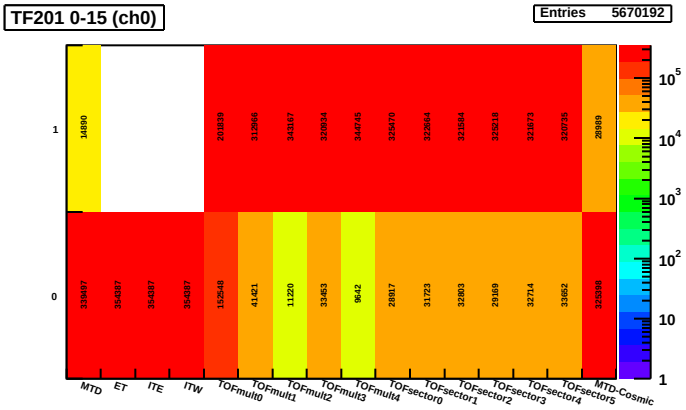

Input to FPD L2 DSM
Entries 1417548
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

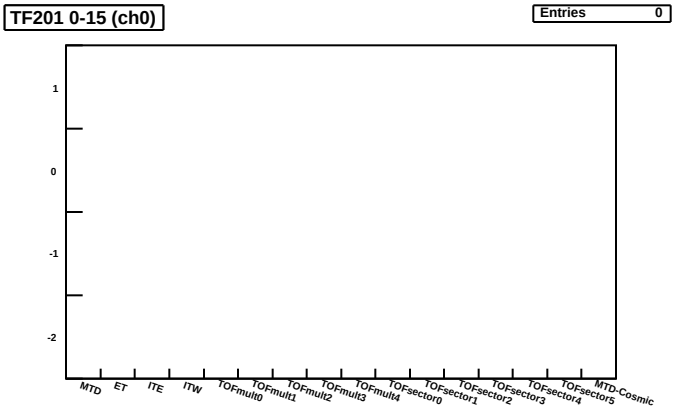

Input to FE001 QT board
Entries 1.134038e+07
ADC
channel

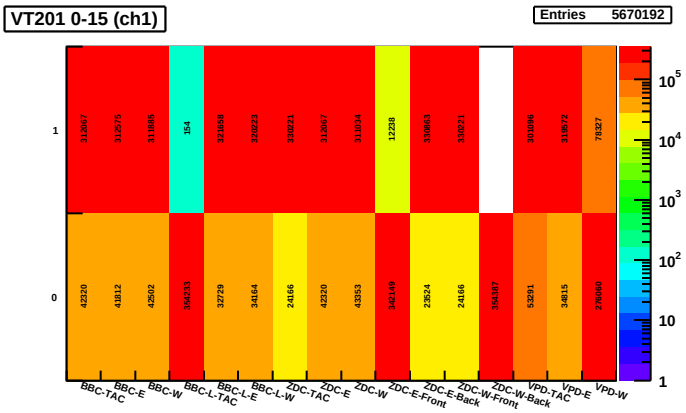

Input to FE002 QT board
Entries 1.134038e+07
ADC
channel

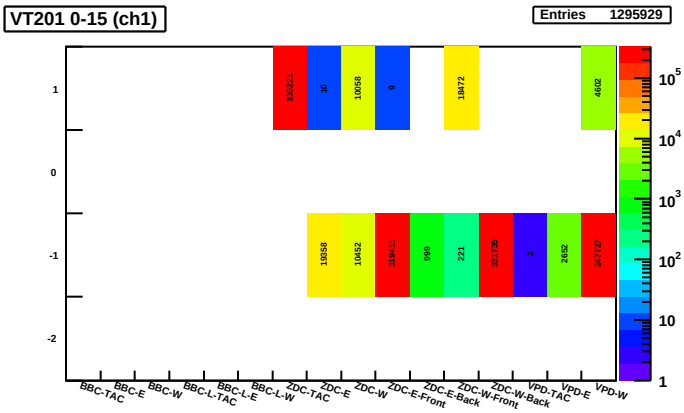

Input to FE003 QT board
Entries 1.134038e+07
ADC
channel

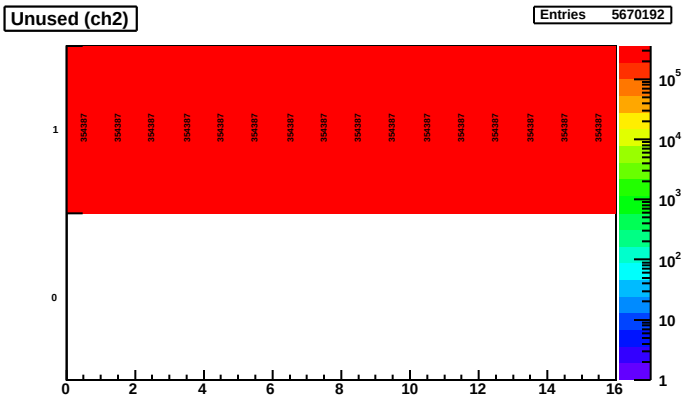

Input to FE004 QT board
Entries 1.134038e+07
ADC
channel

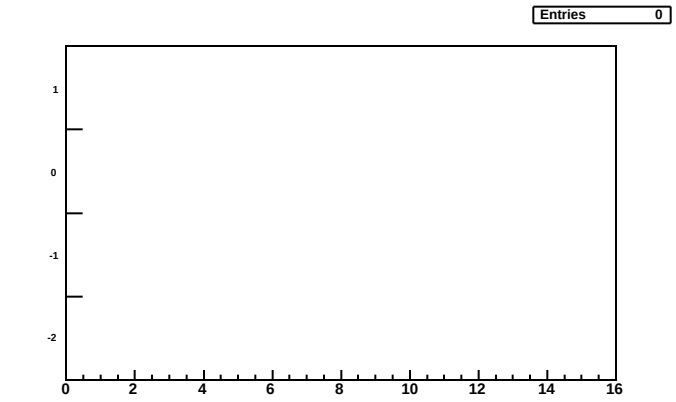

TF201 0-15 (ch0)
Entries 5670192
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

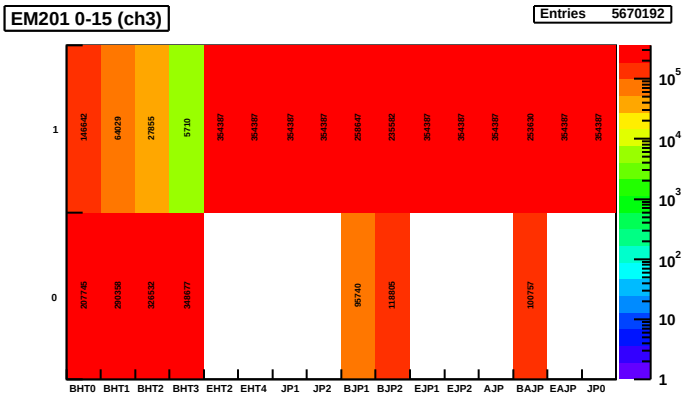

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

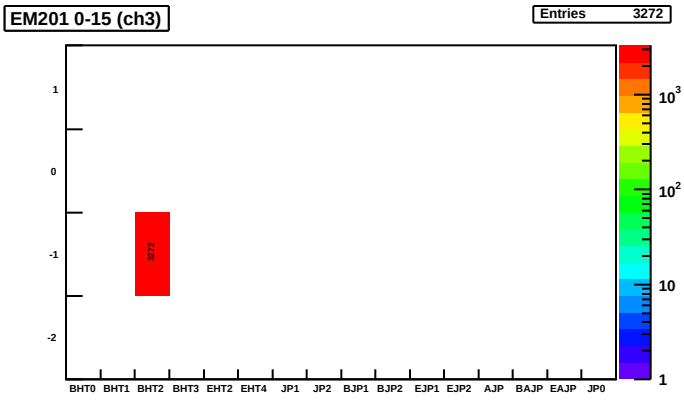

VT201 0-15 (ch1)
Entries 5670192
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1295929
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

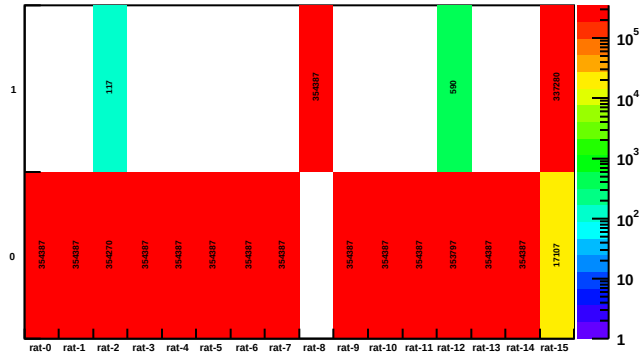

Unused (ch2)
Entries 5670192

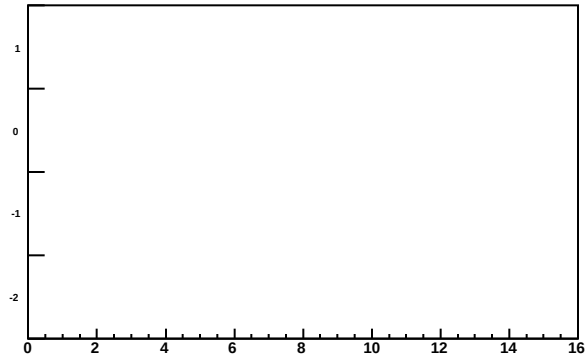

Entries 0


EM201 0-15 (ch3)
Entries 5670192
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

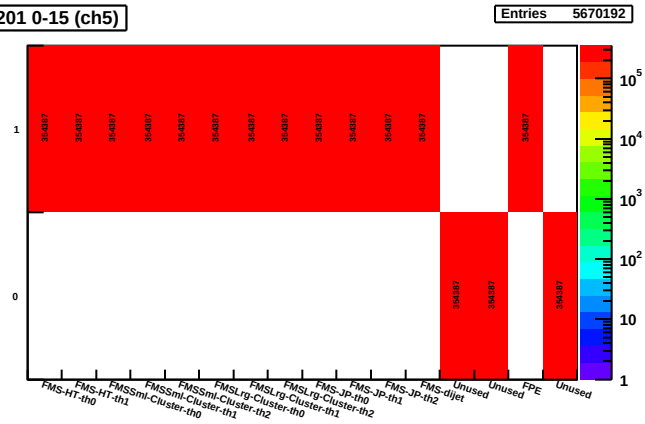

EM201 0-15 (ch3)
Entries 3272
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

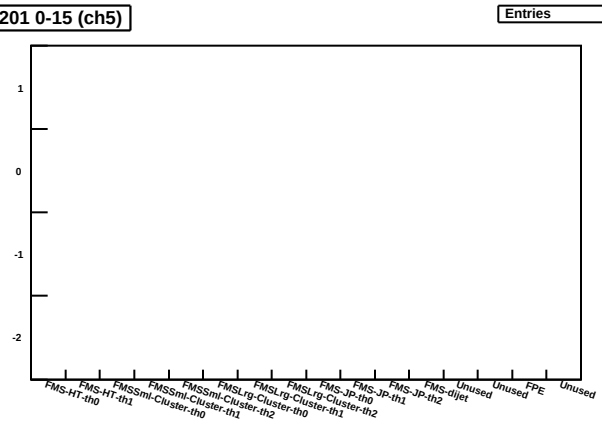




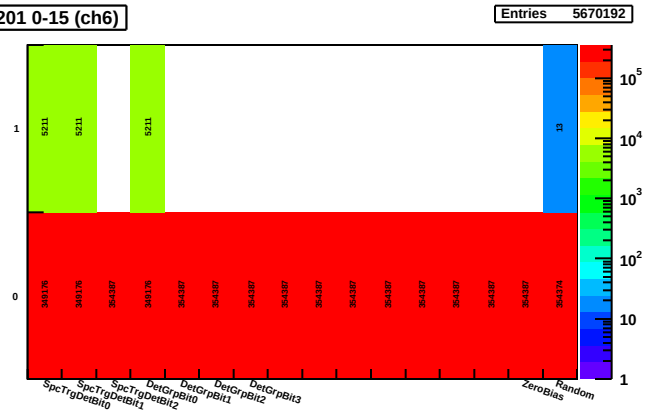
FP201 0-15 (ch5)

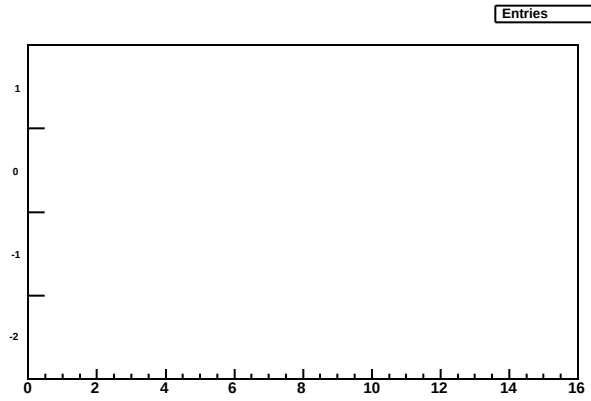
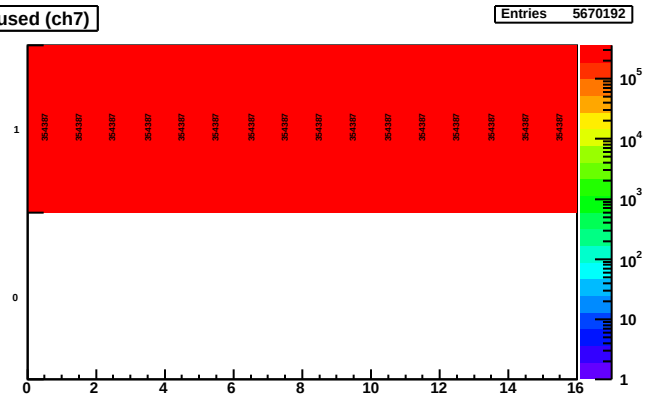
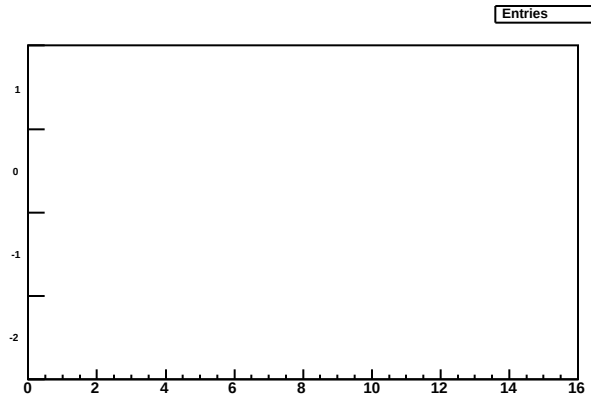


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)