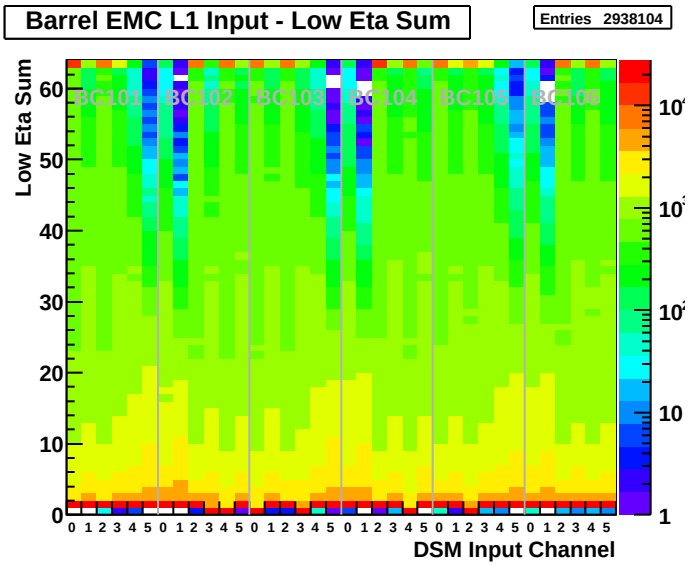
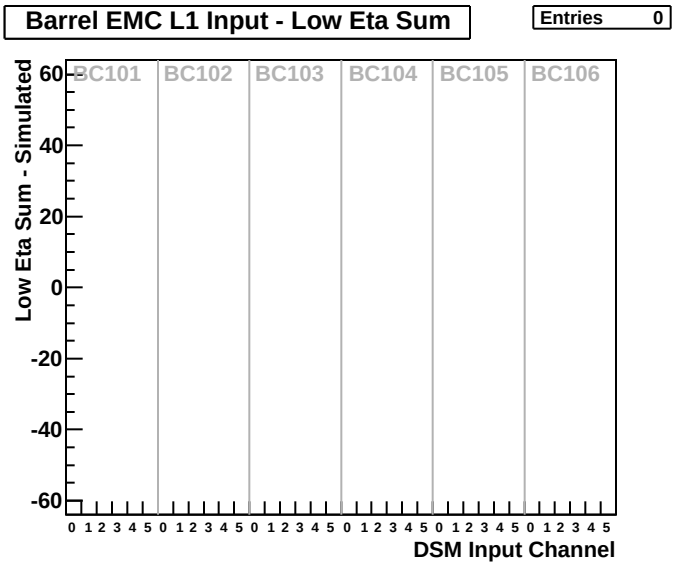
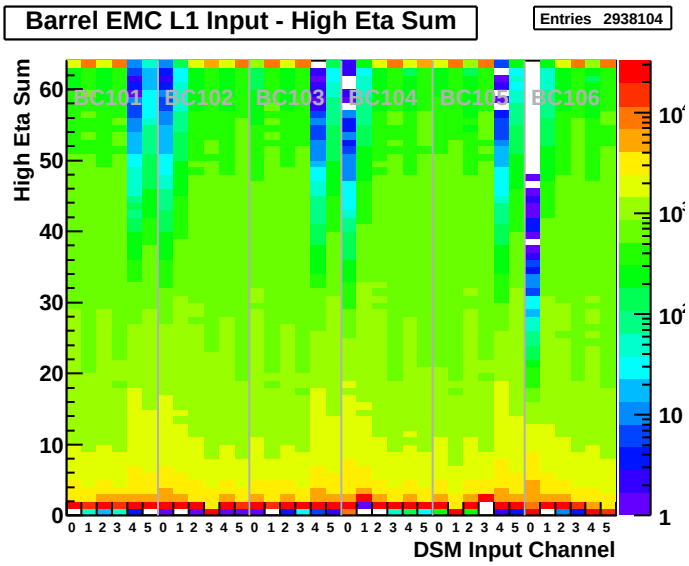
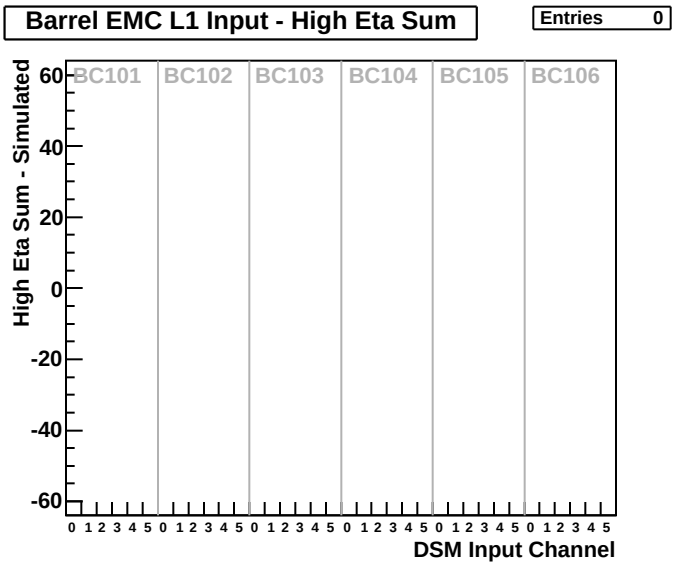
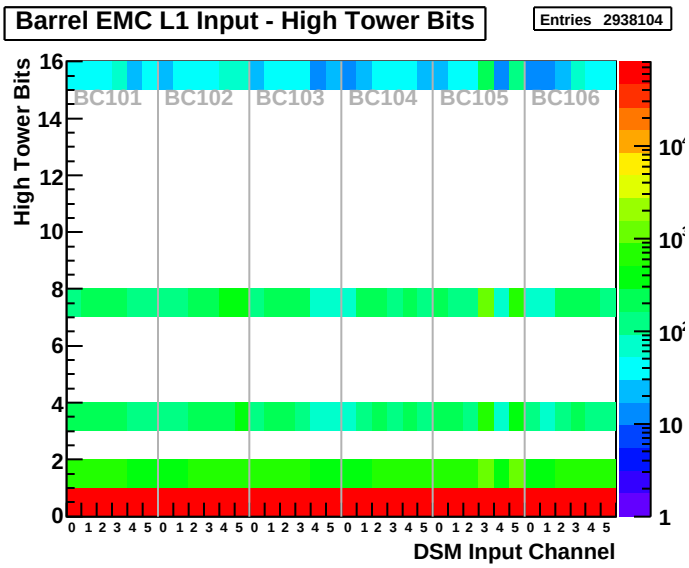
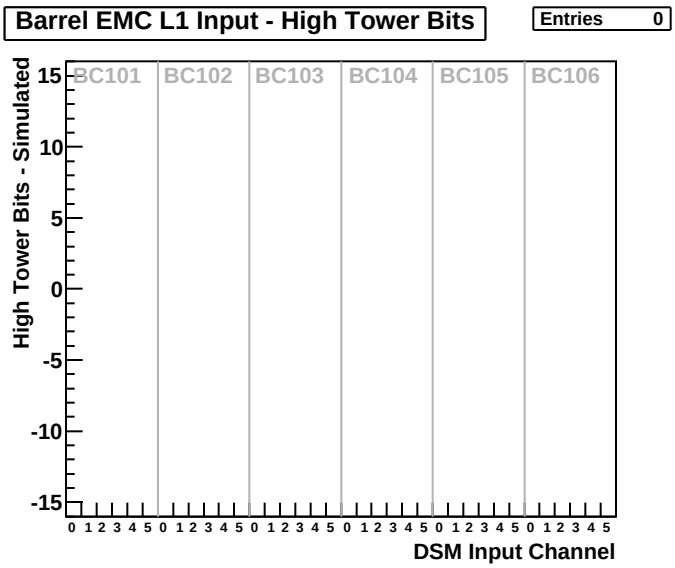

Barrel EMC L1 Input - Low Eta Sum
Entries 2938104
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

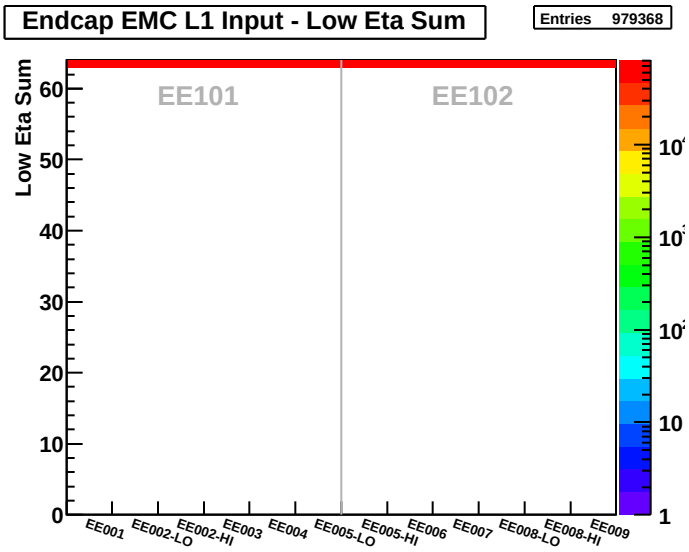

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

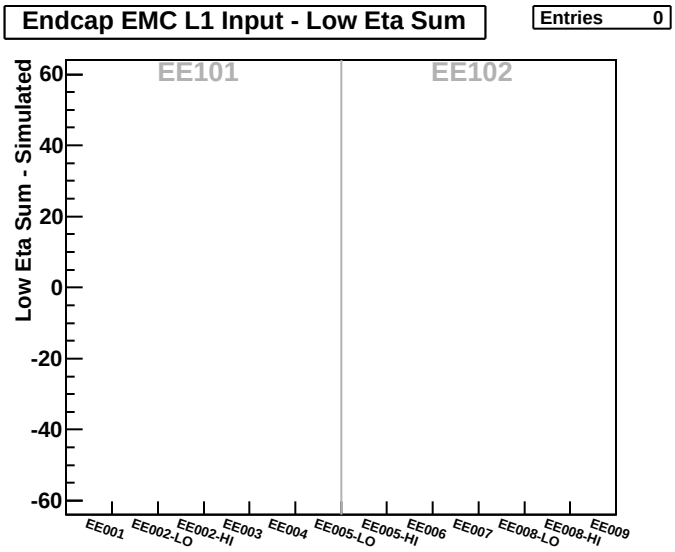

Barrel EMC L1 Input - High Eta Sum
Entries 2938104
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

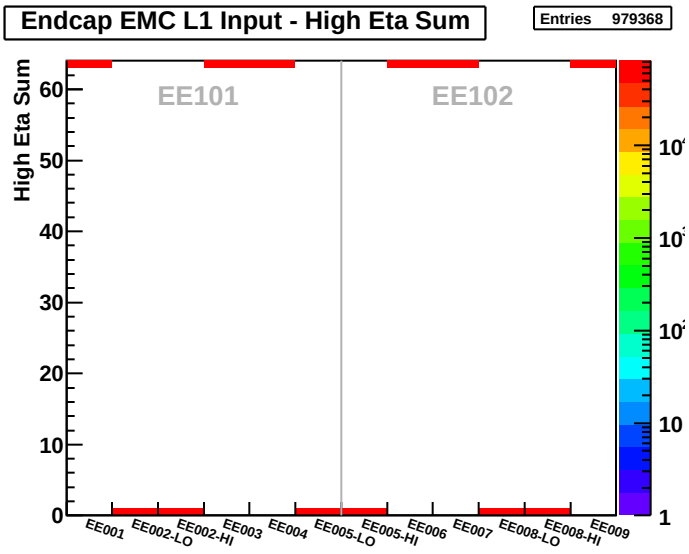

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

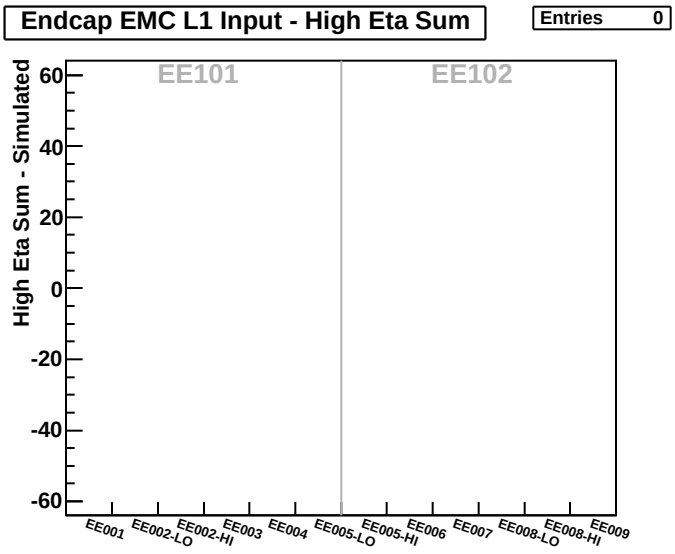

Barrel EMC L1 Input - High Tower Bits
Entries 2938104
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

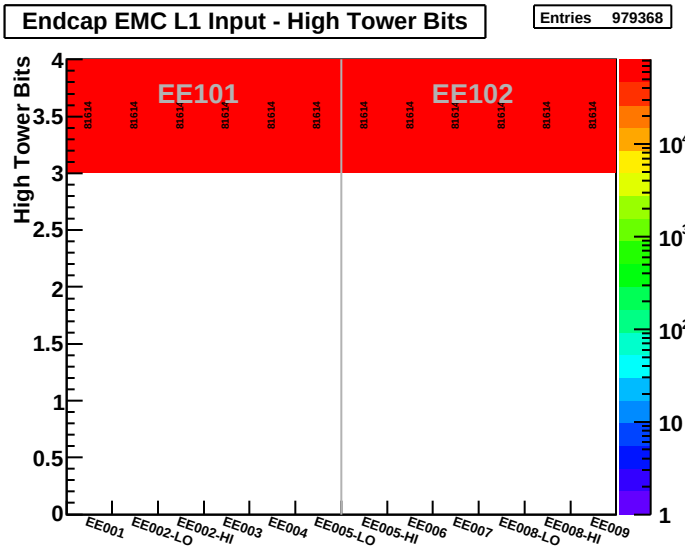

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

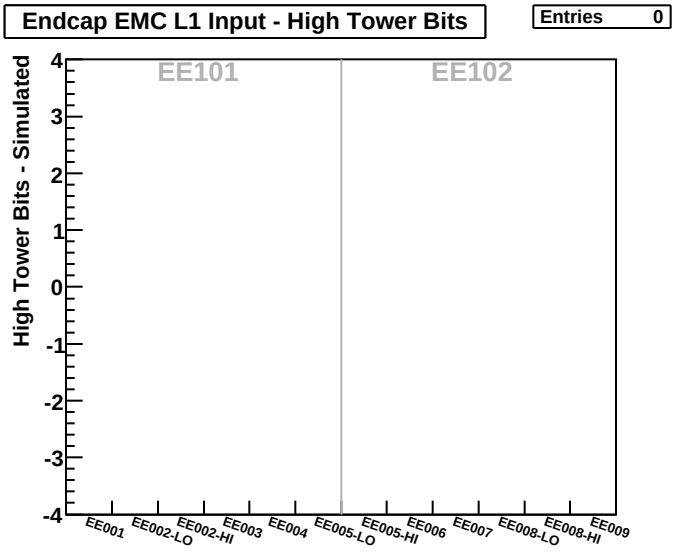

Endcap EMC L1 Input - Low Eta Sum
Entries 979368
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

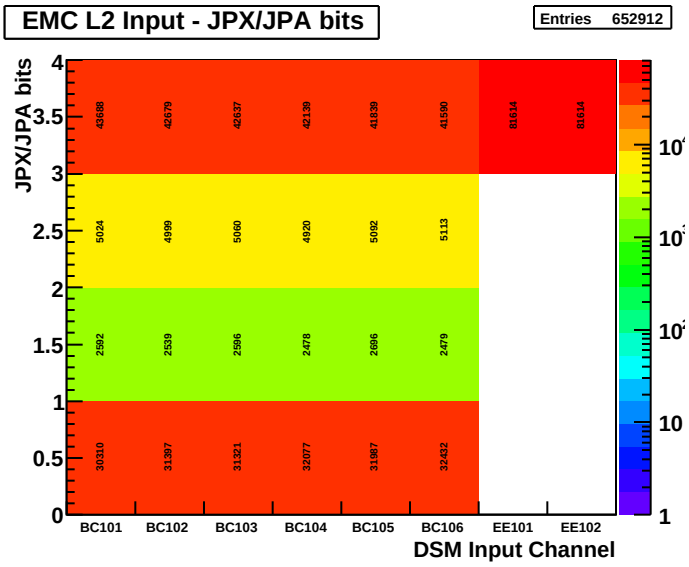

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

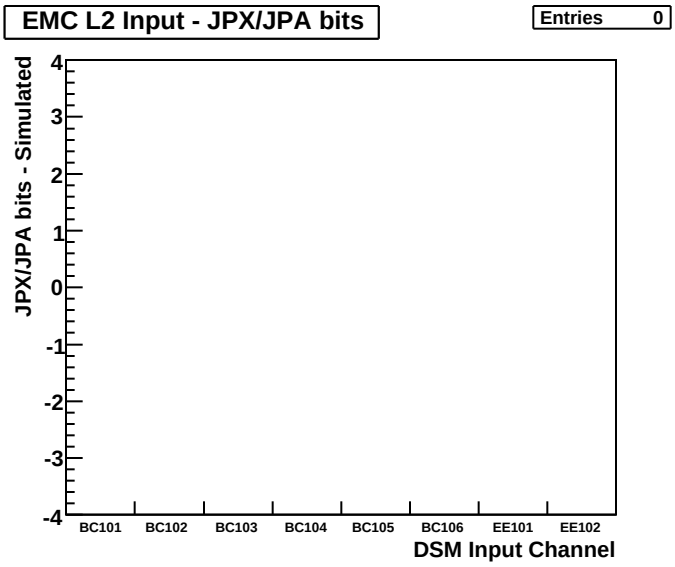

Endcap EMC L1 Input - High Eta Sum
Entries 979368
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

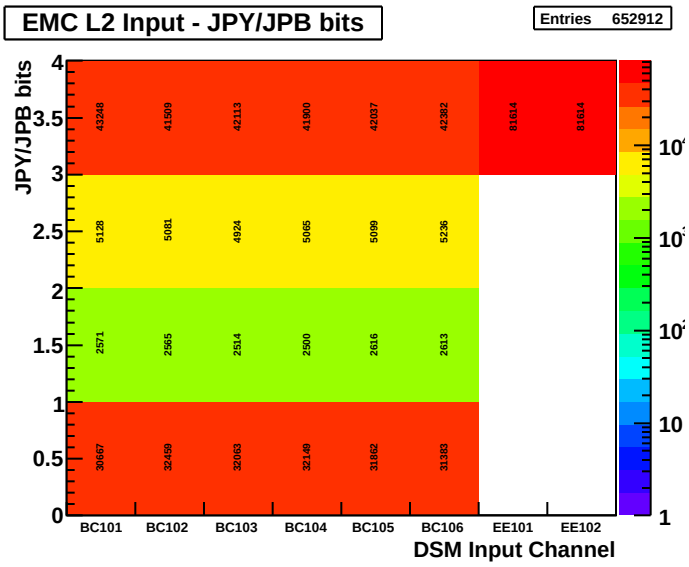

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

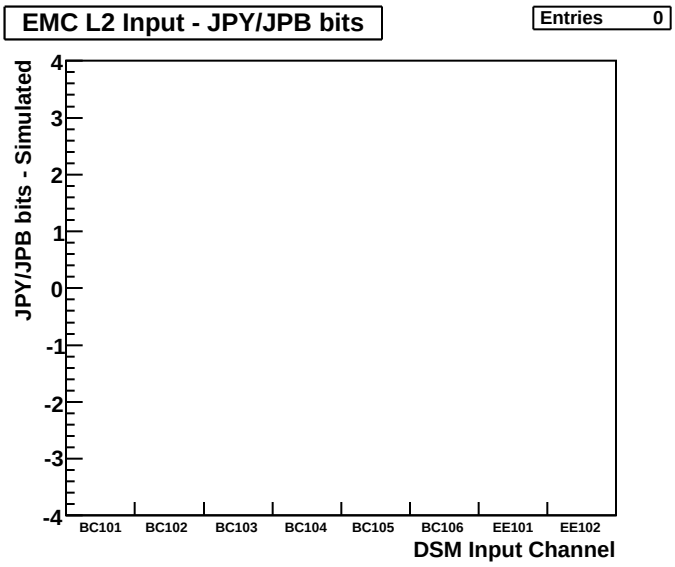

Endcap EMC L1 Input - High Tower Bits
Entries 979368
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

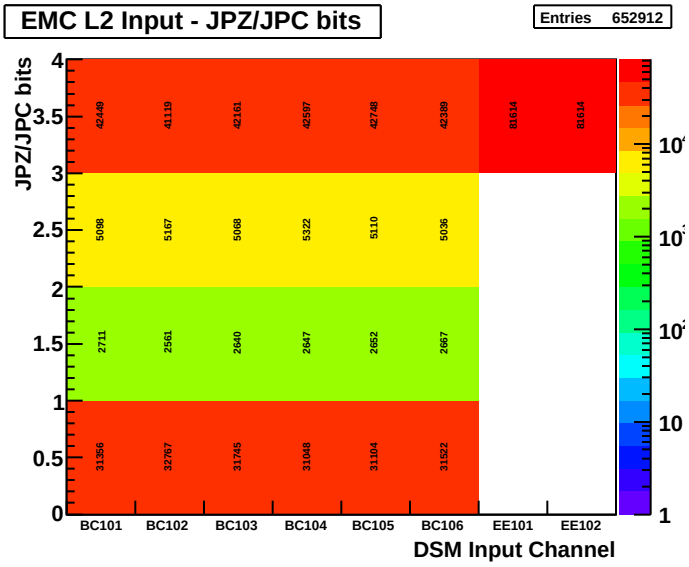

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

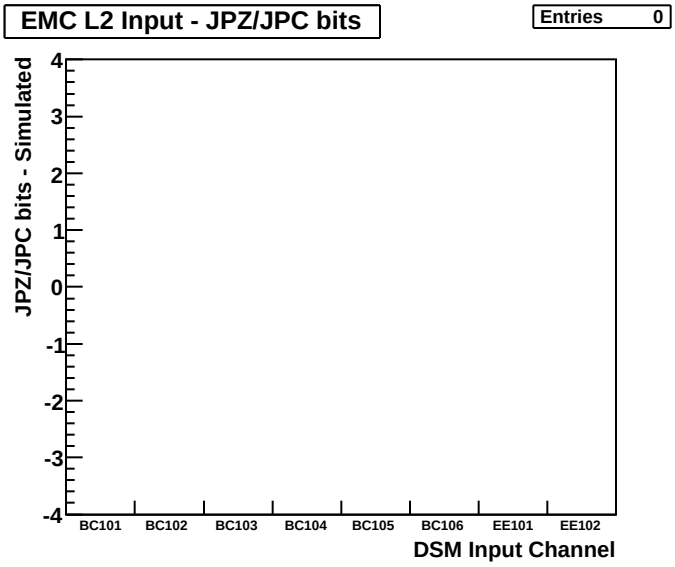

EMC L2 Input - JPX/JPA bits
Entries 652912
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
43688 42679 42637 42139 41839 41590 81614 81614
5024 4999 5060 4920 5092 5113
2592 2539 2596 2478 2696 2479
30310 31397 31321 32077 31987 32432

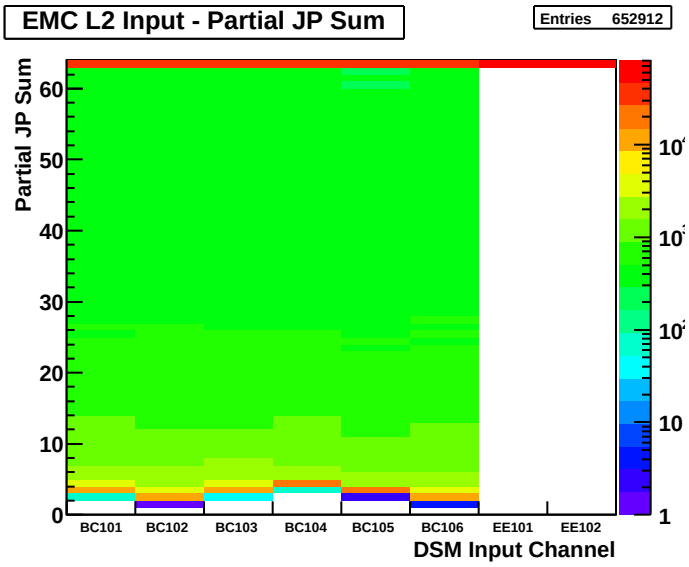

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

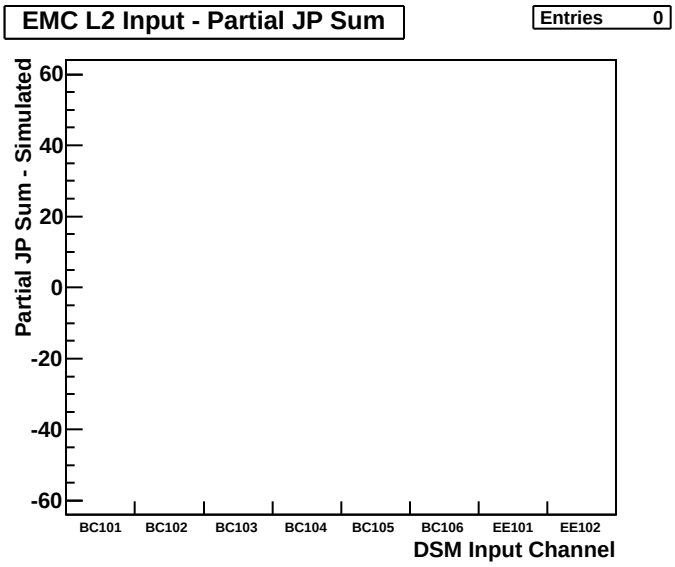

EMC L2 Input - JPY/JPB bits
Entries 652912
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
43248 41509 42113 41900 42037 42382 81614 81614
5128 5081 4924 5065 5099 5236
2571 2565 2514 2500 2516 2513
30667 32459 32063 32140 31862 31383

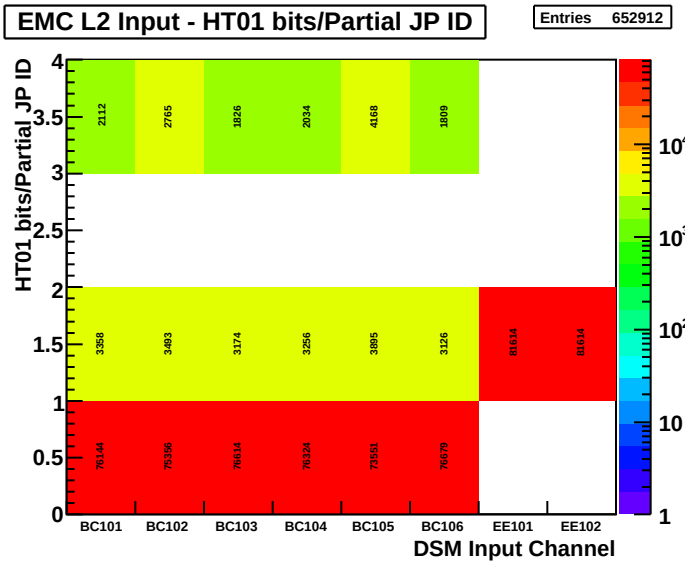

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

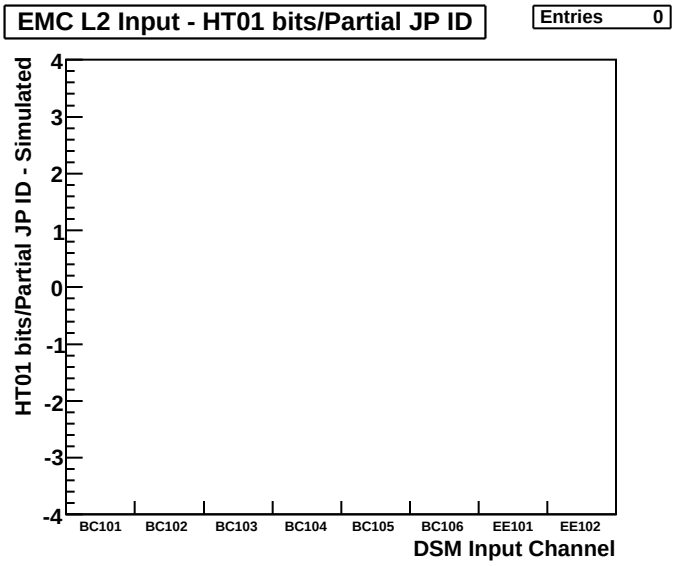

EMC L2 Input - JPZ/JPC bits
Entries 652912
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
42449 41119 42161 42597 42748 42389 81614 81614
5098 5167 5068 5322 5110 5036
2711 2561 2640 2647 2652 2667
31356 32767 31745 31048 31104 31522

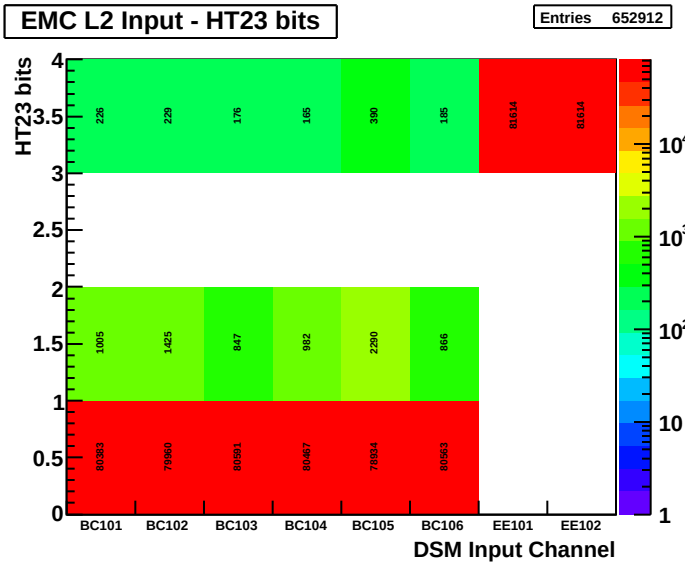

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

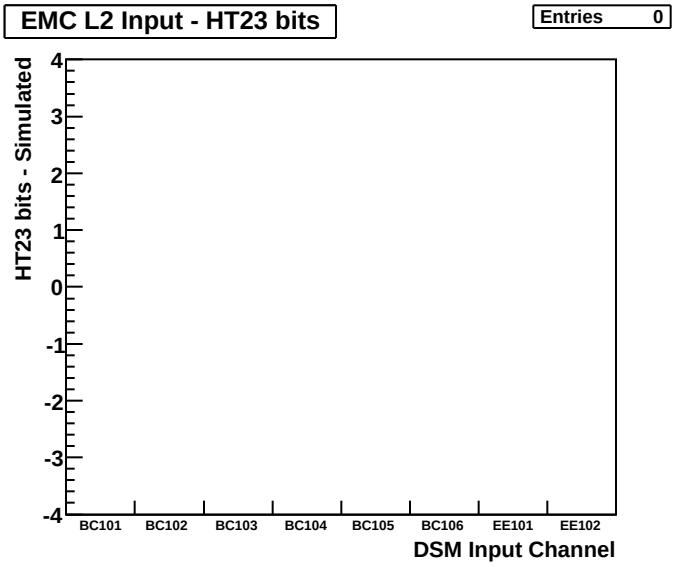

EMC L2 Input - Partial JP Sum
Entries 652912
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

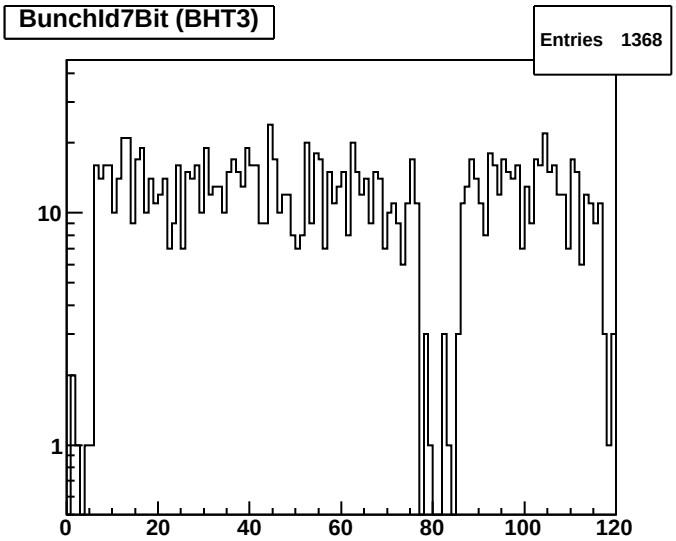

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

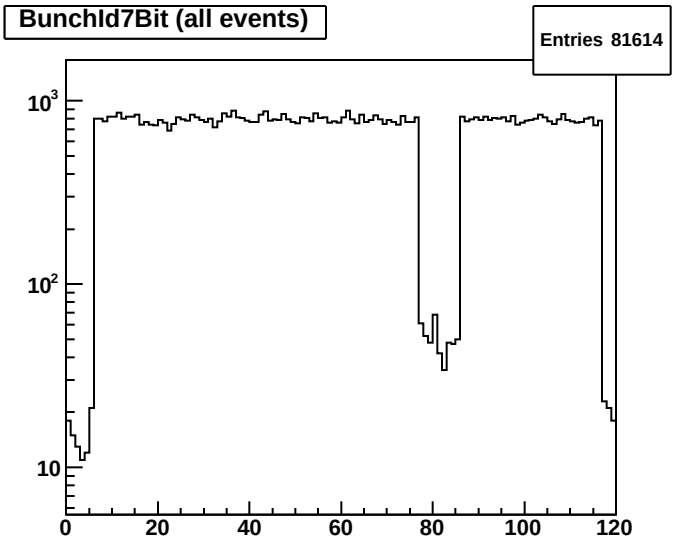

EMC L2 Input - HT01 bits/Partial JP ID
Entries 652912
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

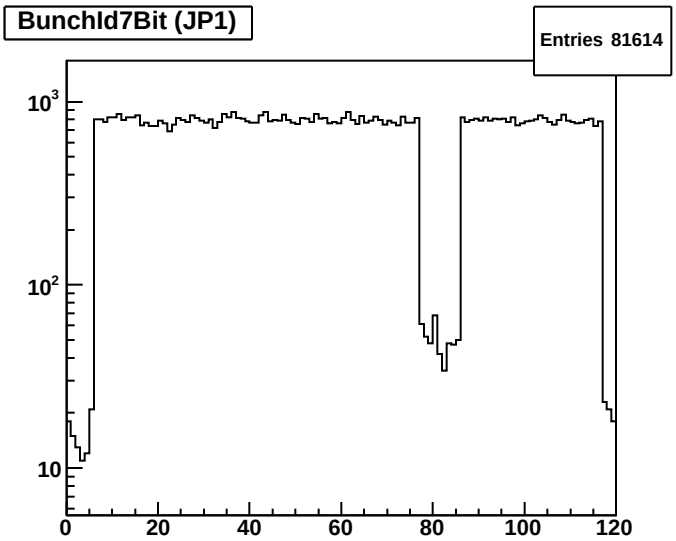

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

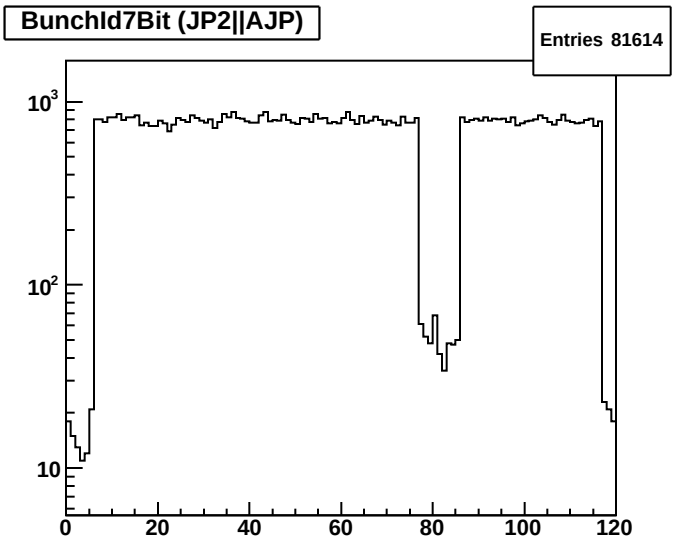

EMC L2 Input - HT23 bits
Entries 652912
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

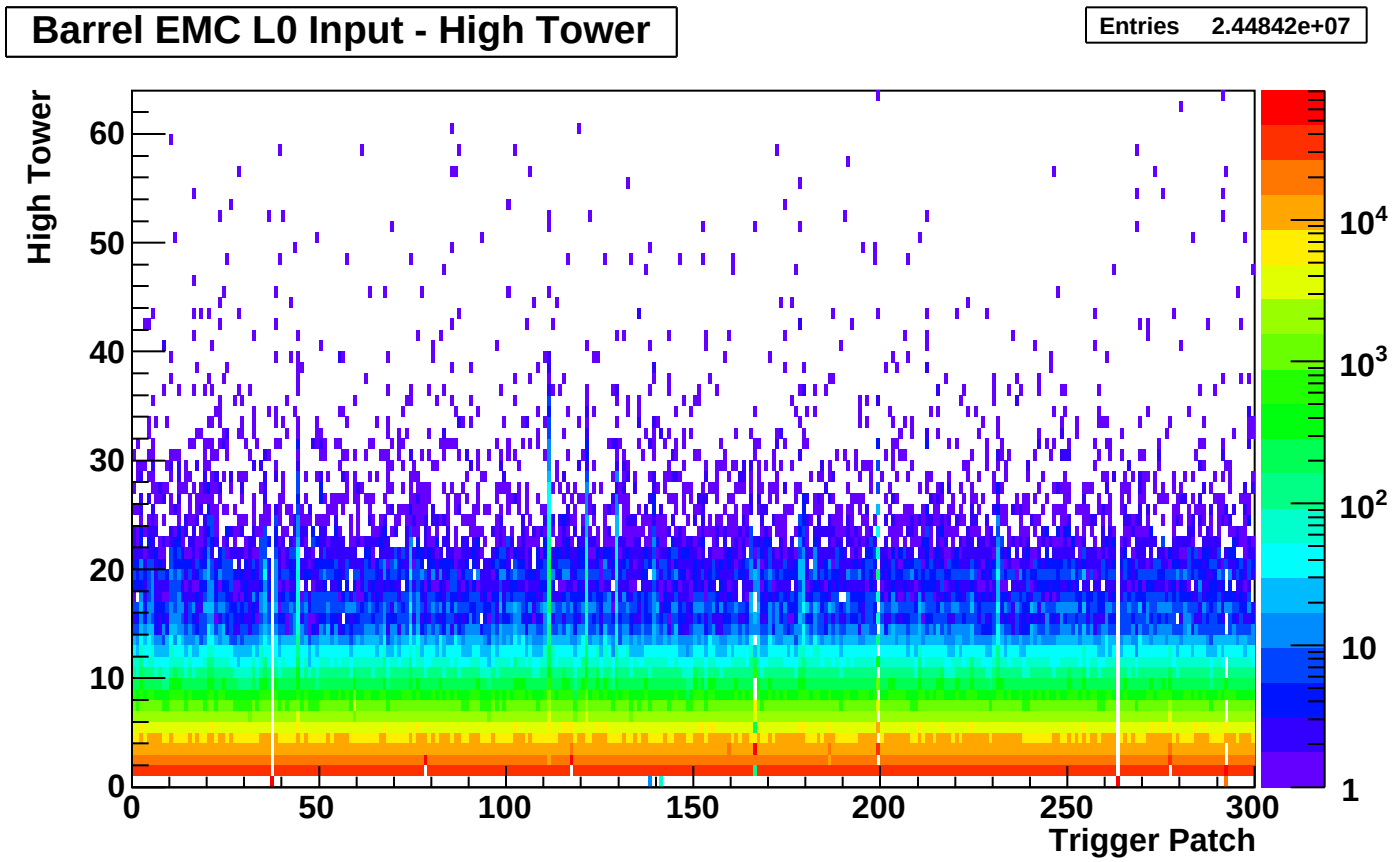

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

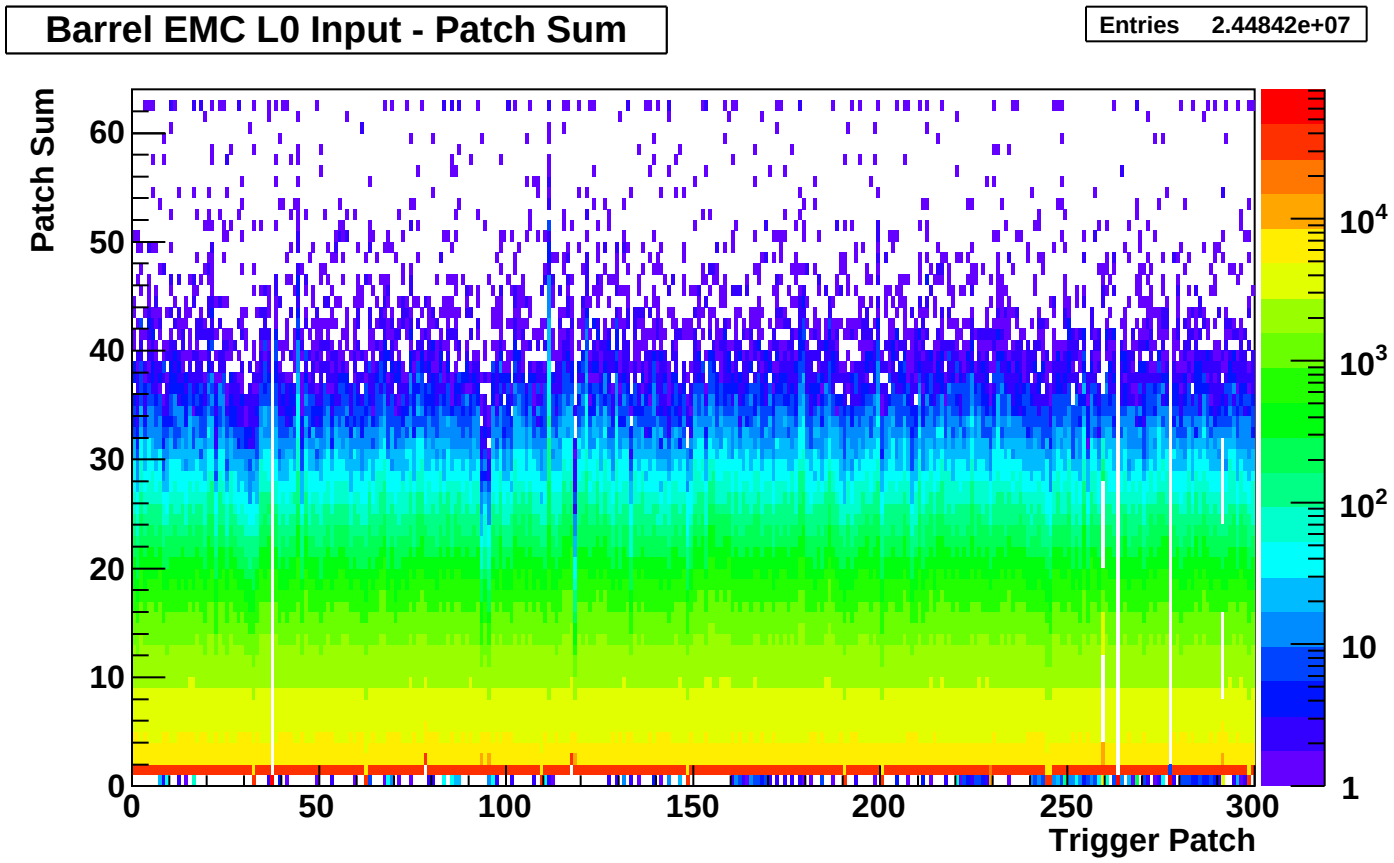

BunchId7Bit (BHT3)
Entries 1368
10
1
0
20
40
60
80
100
120

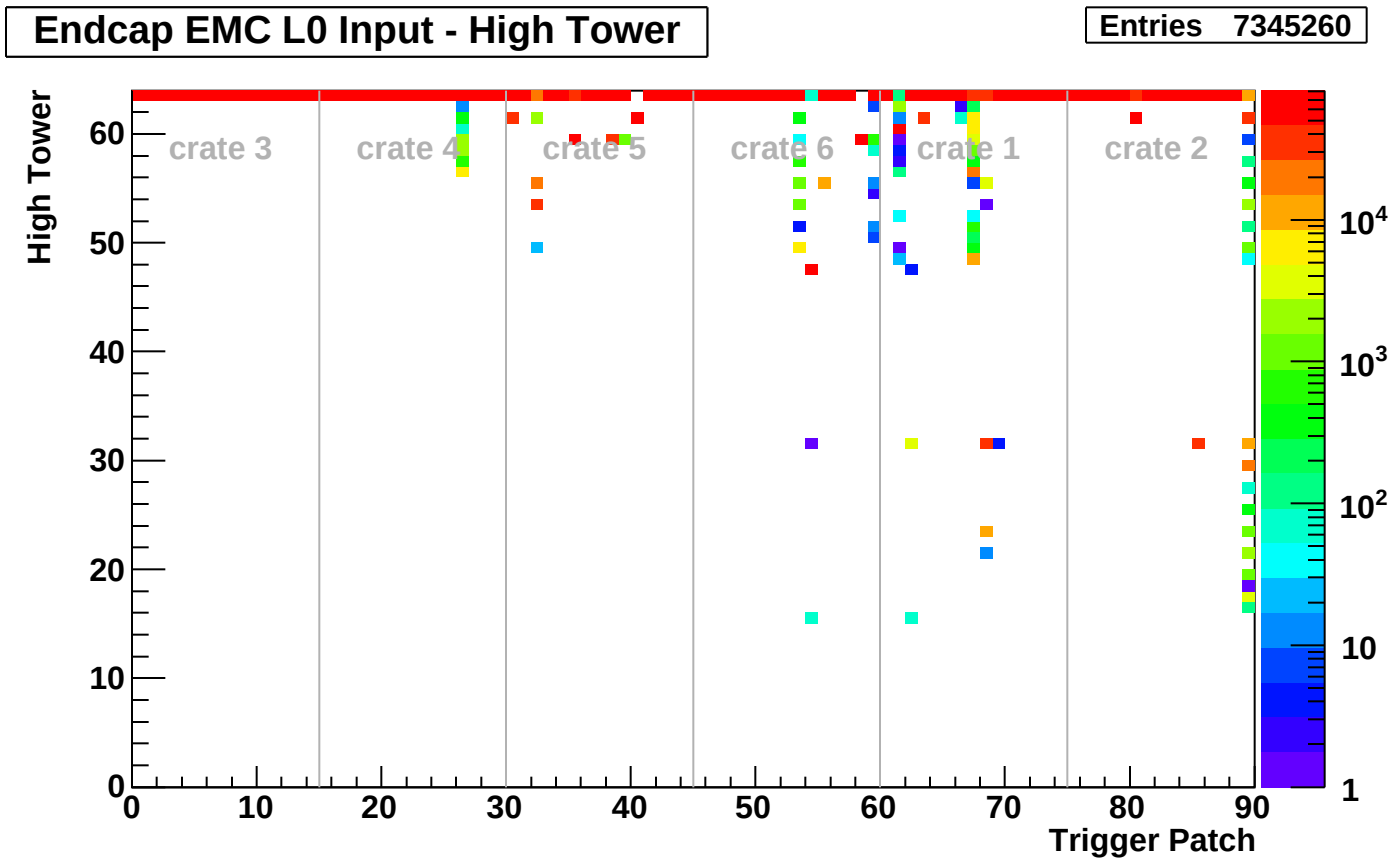

BunchId7Bit (all events)
Entries 81614
10^3
10^2
10
0
20
40
60
80
100
120

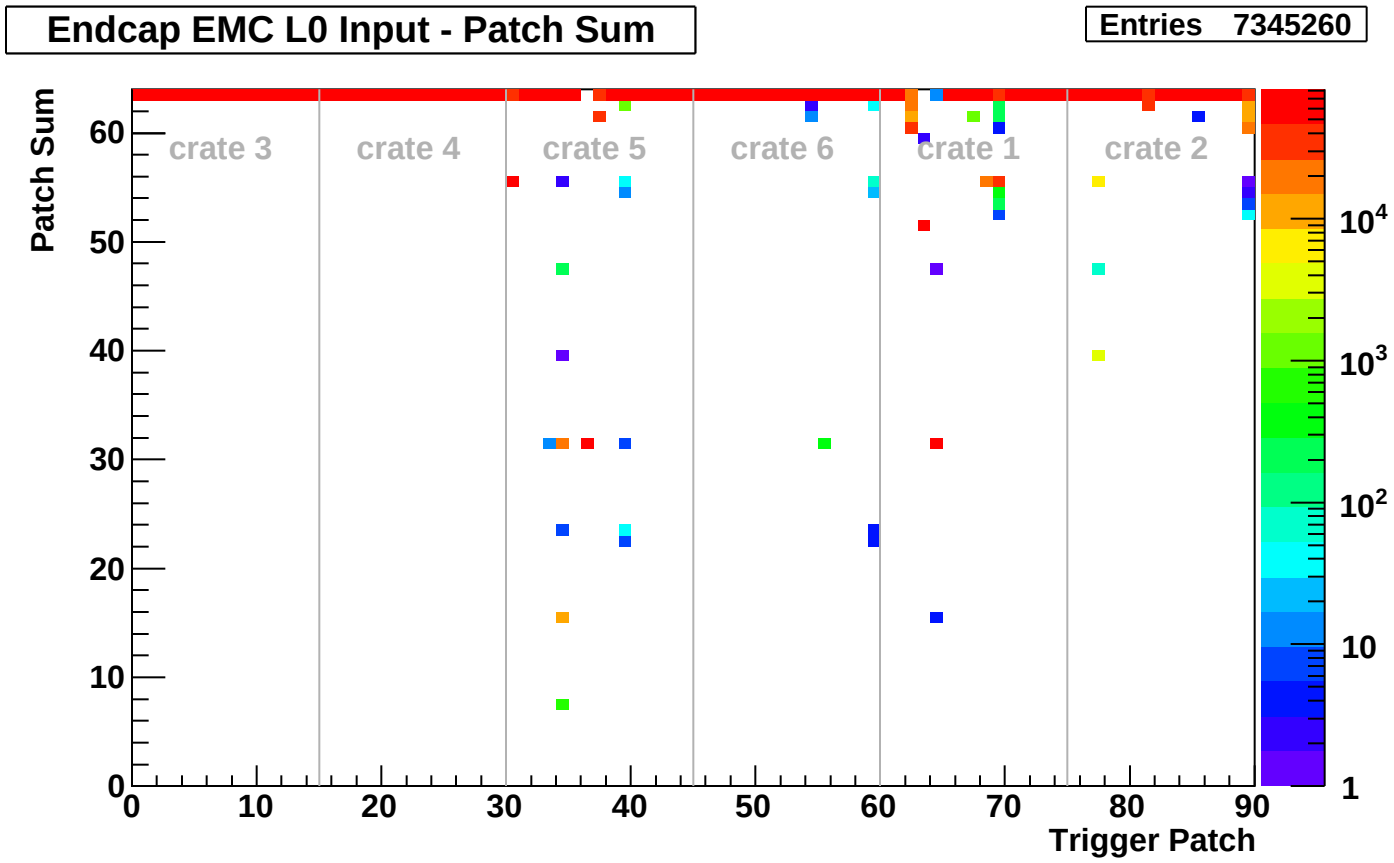

BunchId7Bit (JP1)
Entries 81614
10^3
10^2
10
0
20
40
60
80
100
120

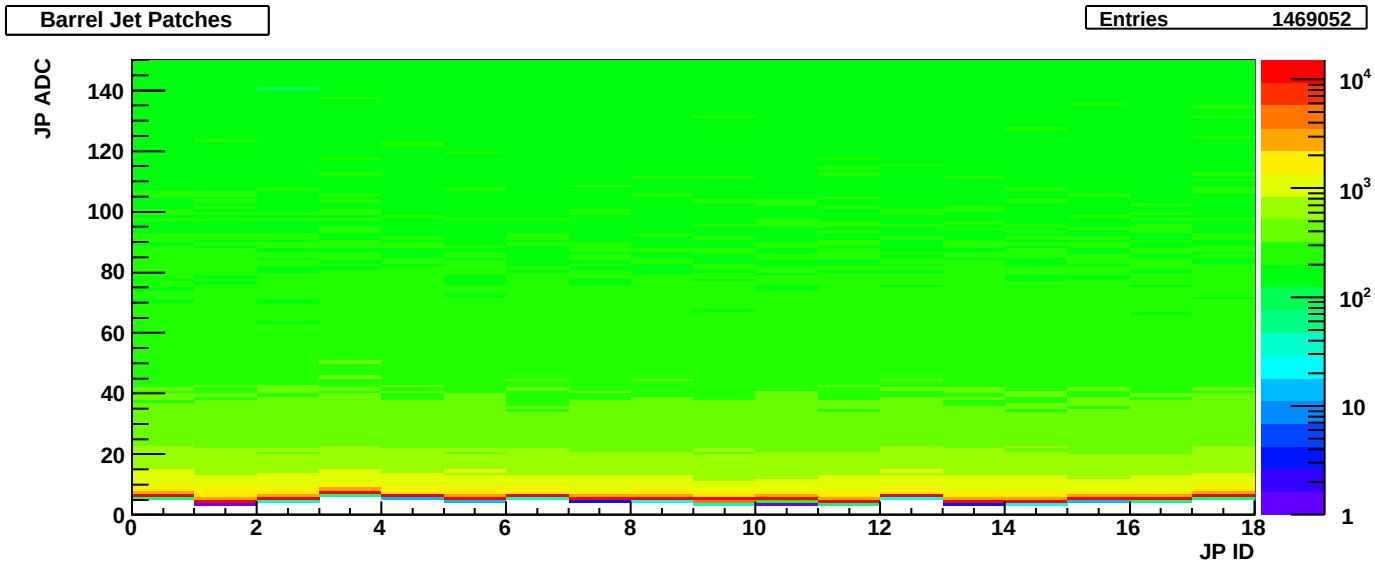

BunchId7Bit (JP2||AJP)
Entries 81614
10^3
10^2
10
0
20
40
60
80
100
120

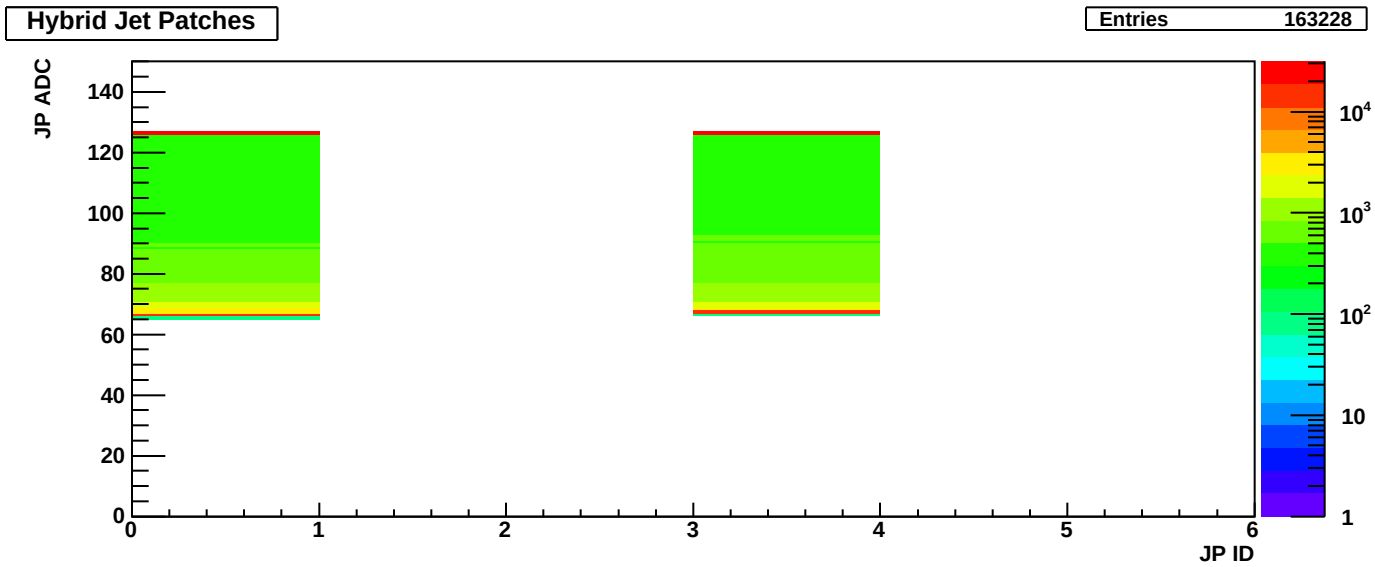

Barrel EMC L0 Input - High Tower
Entries 2.44842e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

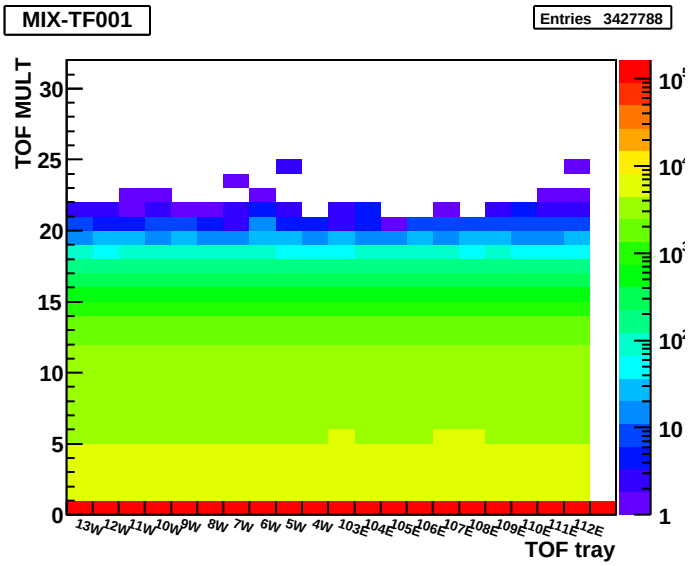

Barrel EMC L0 Input - Patch Sum
Entries 2.44842e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

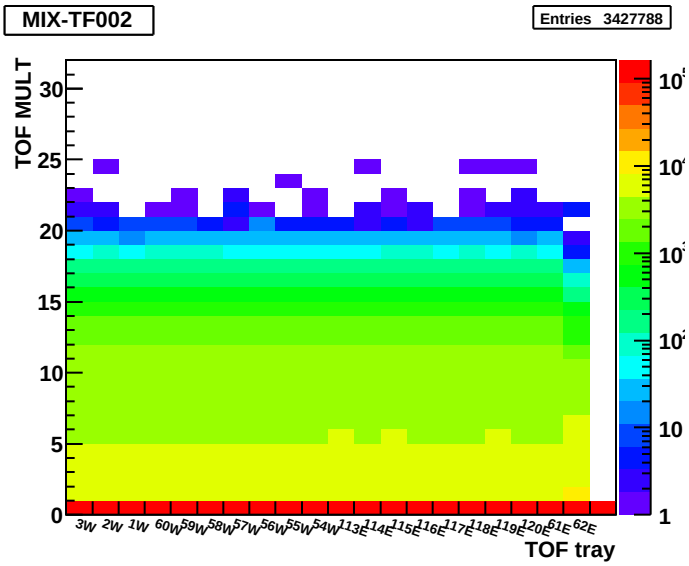

Endcap EMC L0 Input - High Tower
Entries 7345260
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

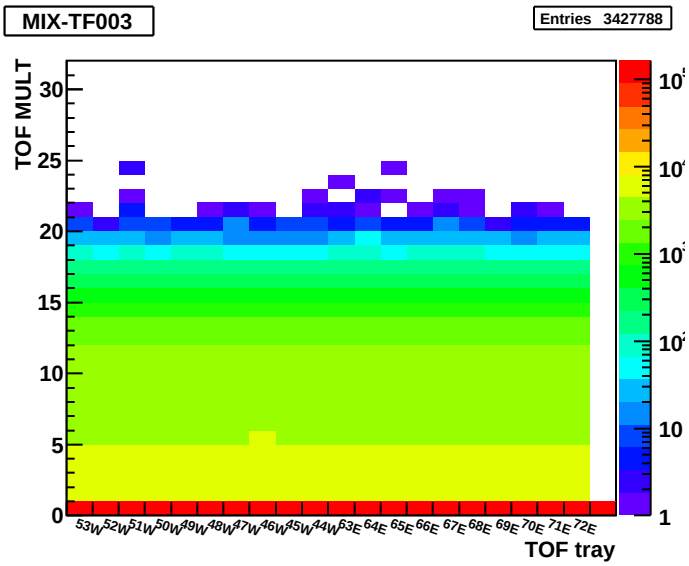

Endcap EMC L0 Input - Patch Sum
Entries 7345260
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

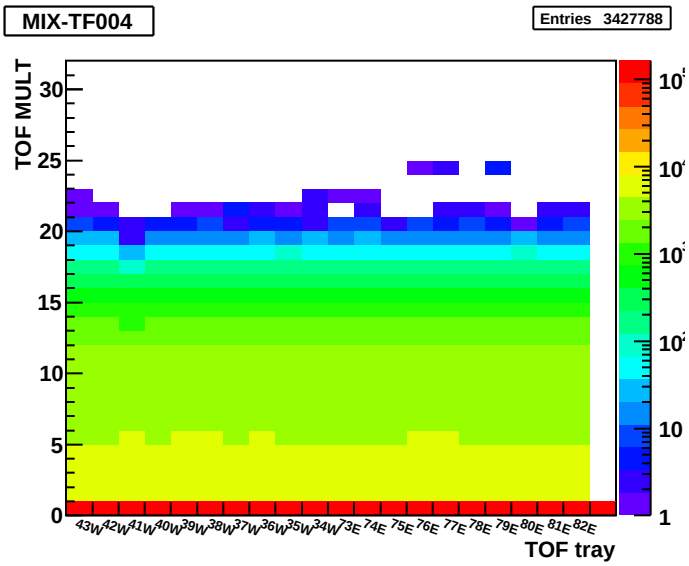

Barrel Jet Patches
Entries 1469052
JP ADC
JP ID

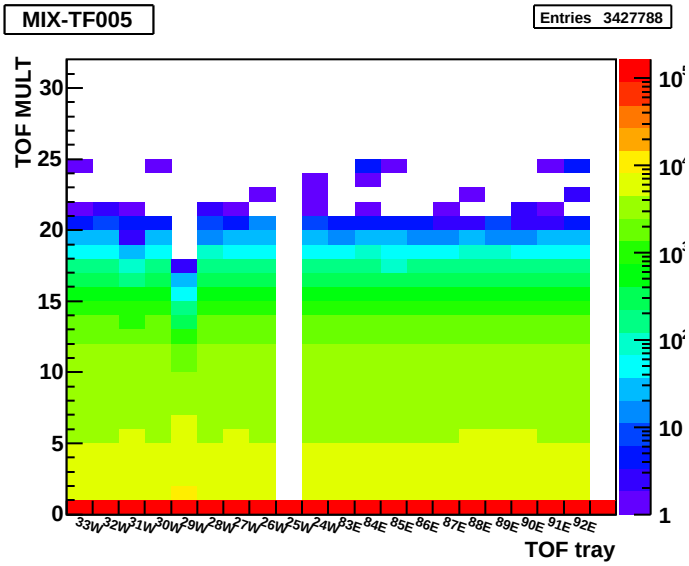

Hybrid Jet Patches
Entries 163228
JP ADC
JP ID

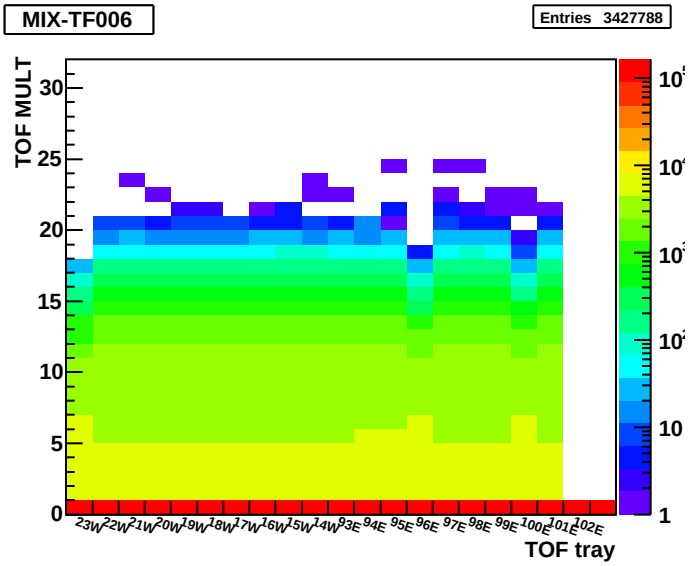

MIX-TF001
Entries 3427788
TOF MULT
TOF tray

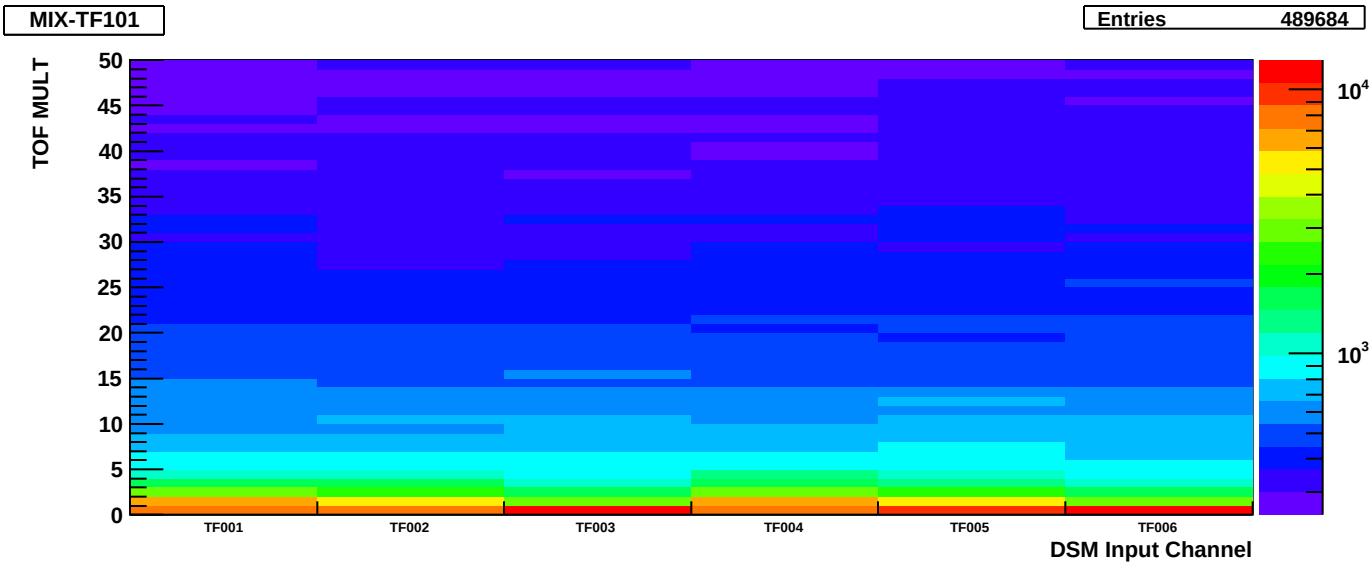

MIX-TF002
Entries 3427788
TOF MULT
TOF tray

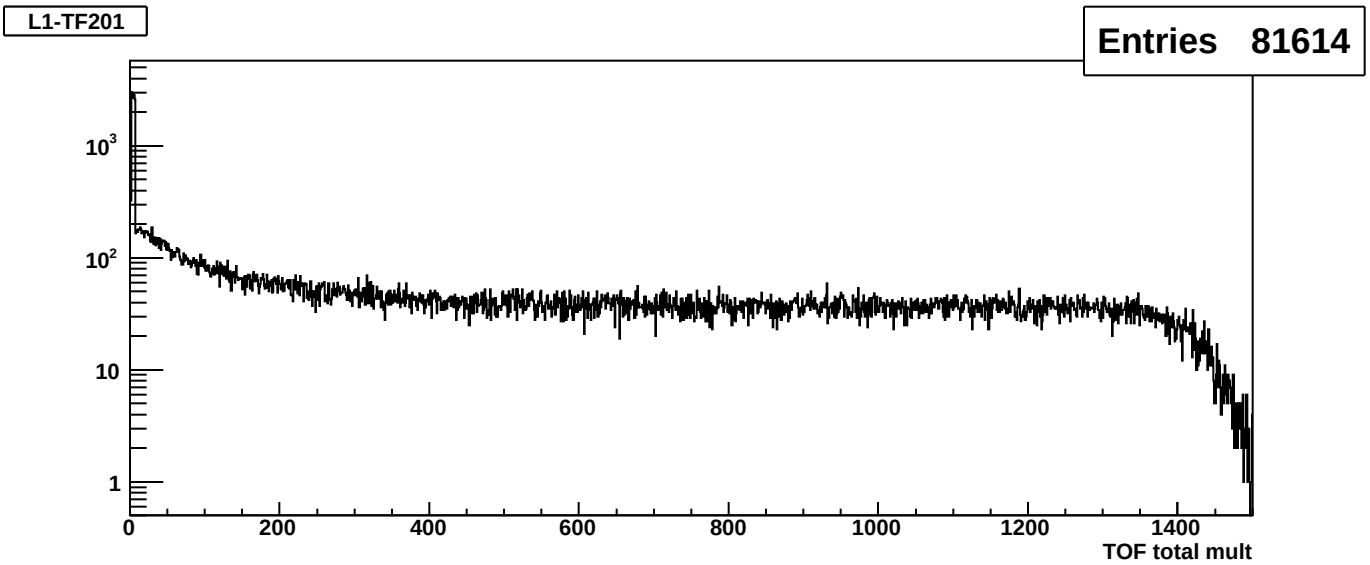

MIX-TF003
Entries 3427788
TOF MULT
TOF tray

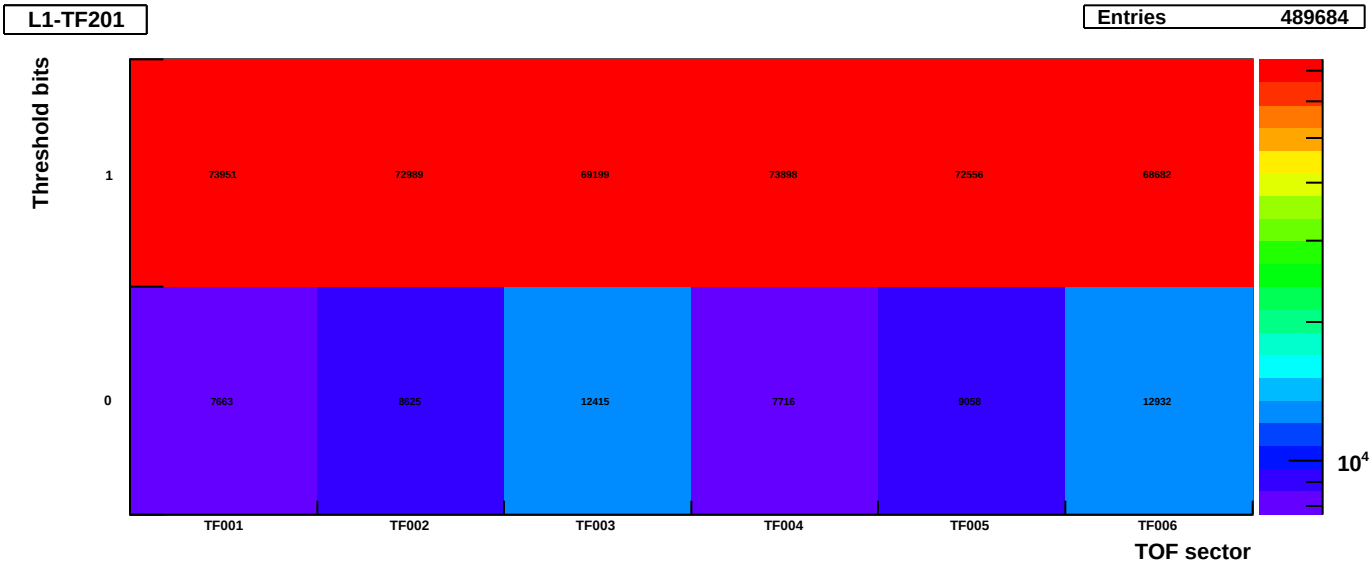

MIX-TF004
Entries 3427788
TOF MULT
TOF tray

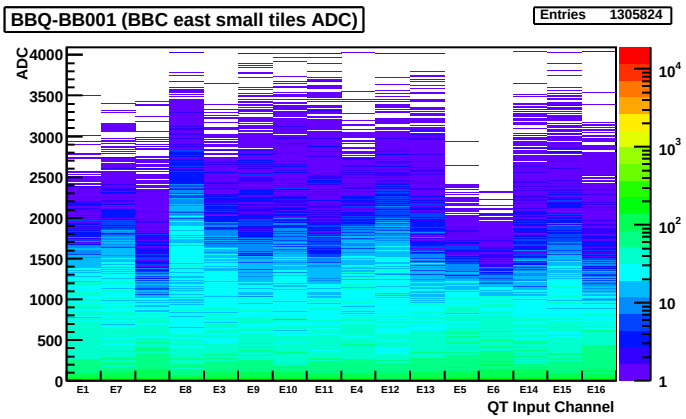

MIX-TF005
Entries 3427788
TOF MULT
TOF tray

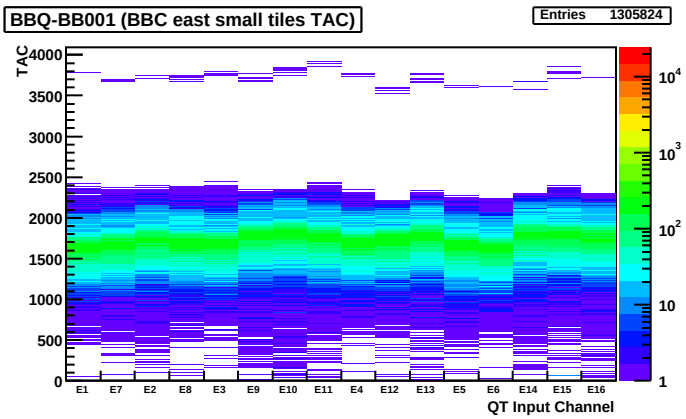

MIX-TF006
Entries 3427788
TOF MULT
TOF tray

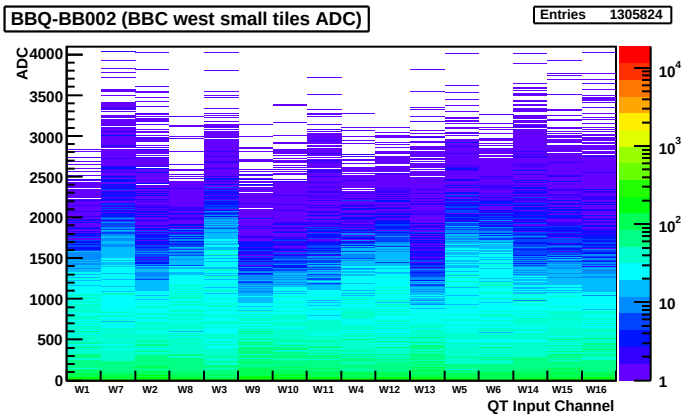

MIX-TF101
Entries 489684
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

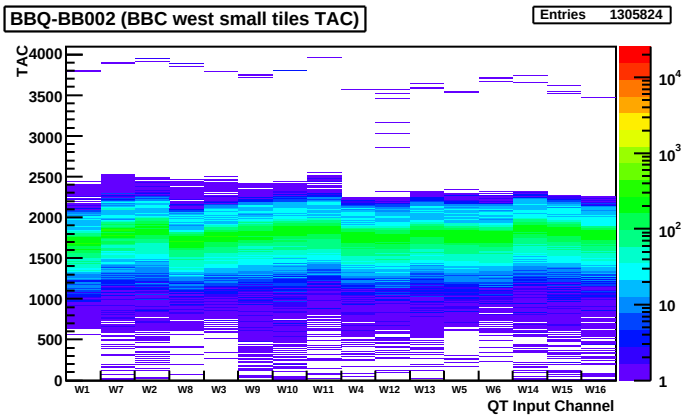

L1-TF201
Entries 81614
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

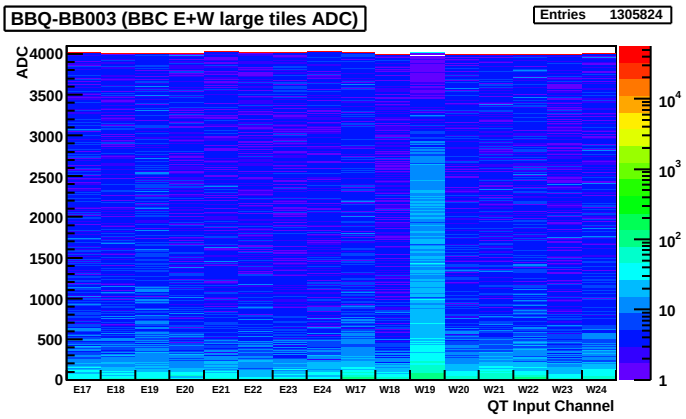

L1-TF201
Entries 489684
Threshold bits
1
0
73951
72989
69199
73898
72556
68682
7663
8625
12415
7716
9058
12932
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

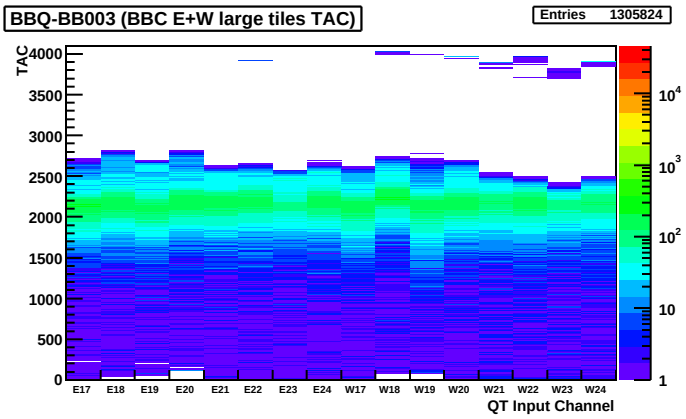

BBQ-BB001 (BBC east small tiles ADC)
Entries 1305824
ADC
QT Input Channel

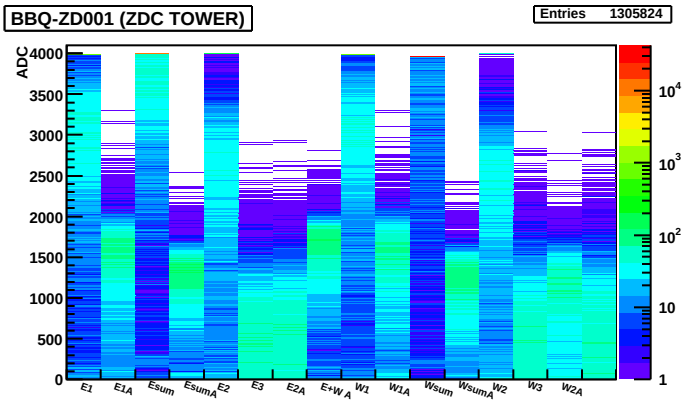

BBQ-BB001 (BBC east small tiles TAC)
Entries 1305824
TAC
QT Input Channel

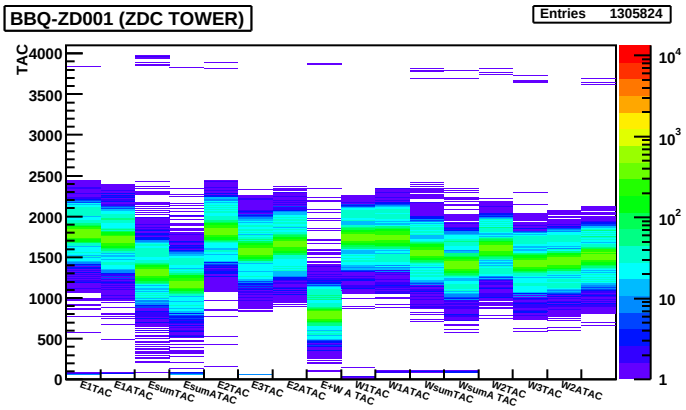

BBQ-BB002 (BBC west small tiles ADC)
Entries 1305824
ADC
QT Input Channel

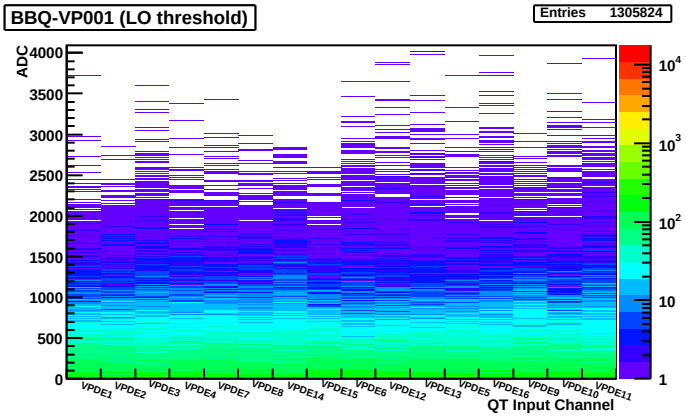

BBQ-BB002 (BBC west small tiles TAC)
Entries 1305824
TAC
QT Input Channel

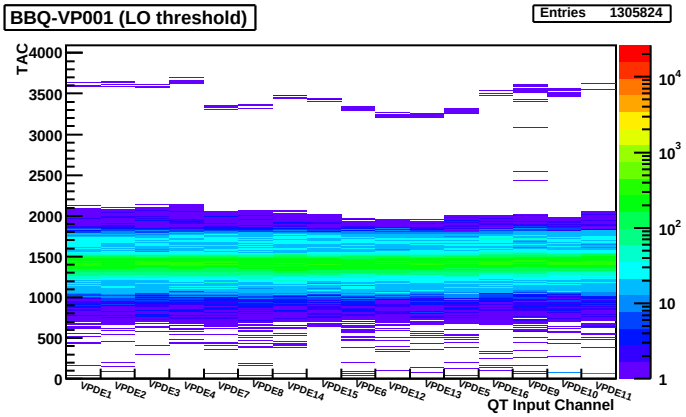

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1305824
ADC
QT Input Channel

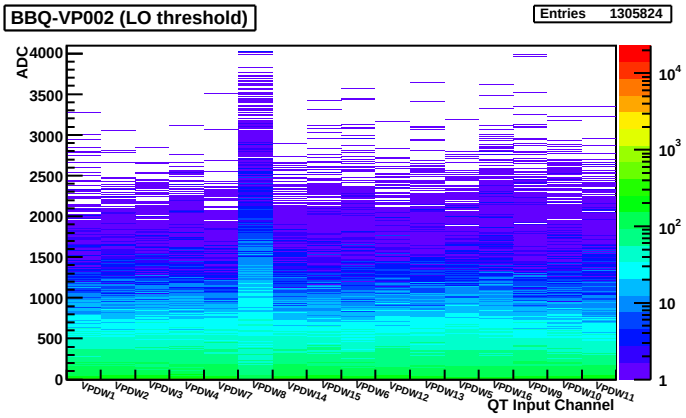

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1305824
TAC
QT Input Channel

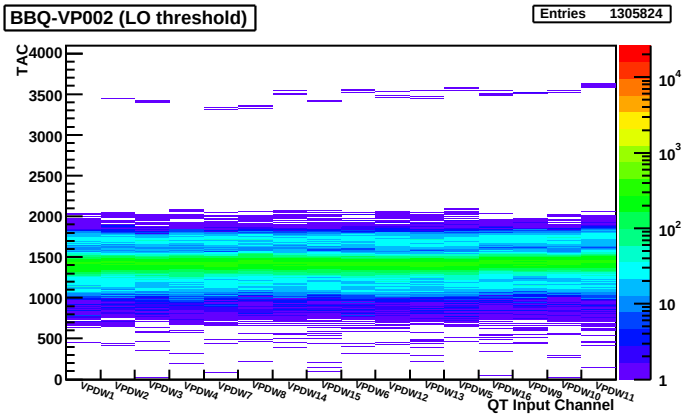

BBQ-ZD001 (ZDC TOWER)
Entries 1305824
ADC

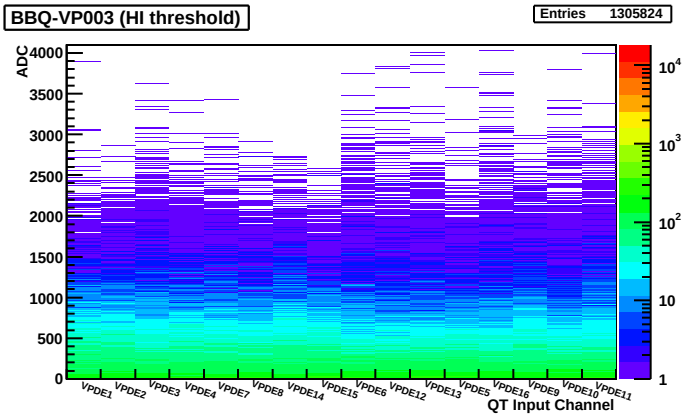

BBQ-ZD001 (ZDC TOWER)
Entries 1305824
TAC

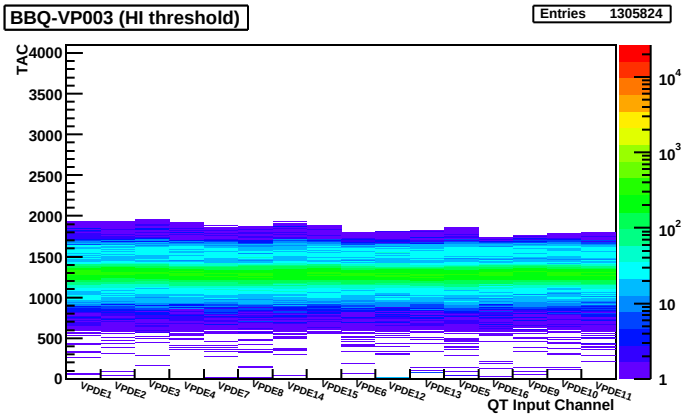

BBQ-VP001 (LO threshold)
Entries 1305824
ADC
QT Input Channel

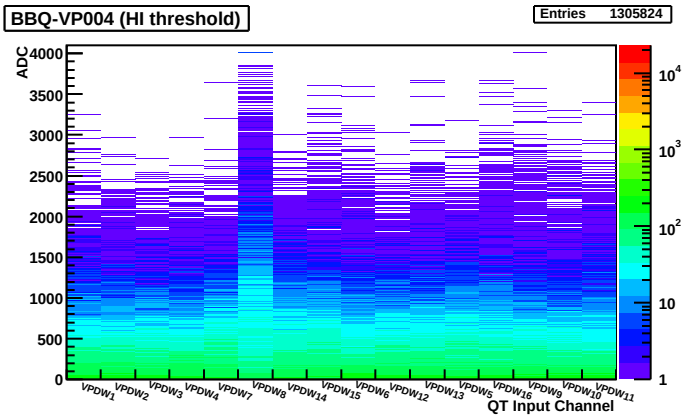

BBQ-VP001 (LO threshold)
Entries 1305824
TAC
QT Input Channel

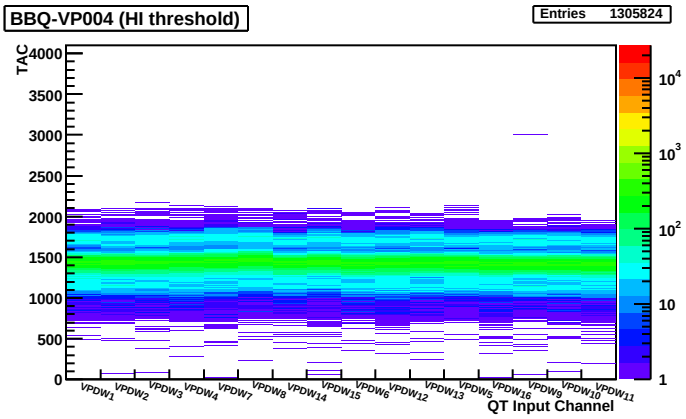

BBQ-VP002 (LO threshold)
Entries 1305824
ADC
QT Input Channel

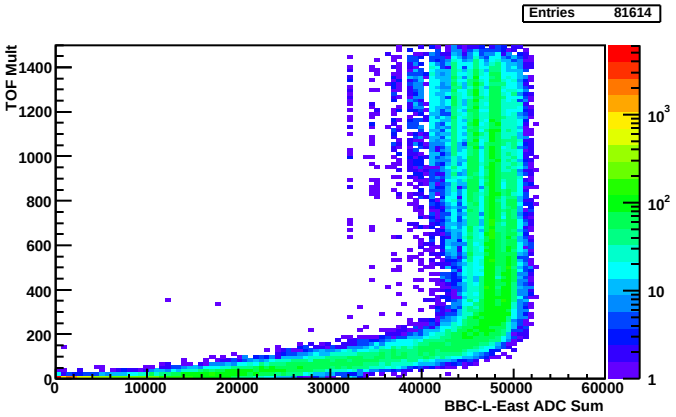

BBQ-VP002 (LO threshold)
Entries 1305824
TAC
QT Input Channel

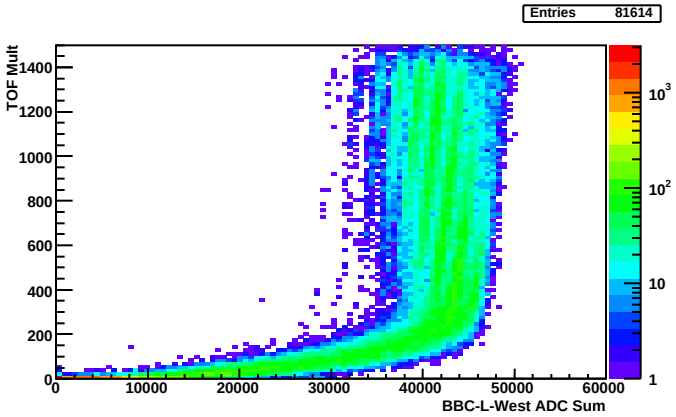

BBQ-VP003 (HI threshold)
Entries 1305824
ADC
QT Input Channel

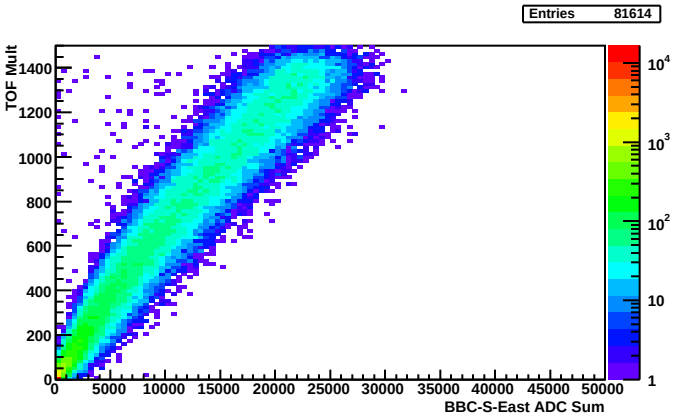

BBQ-VP003 (HI threshold)
Entries 1305824
TAC
QT Input Channel

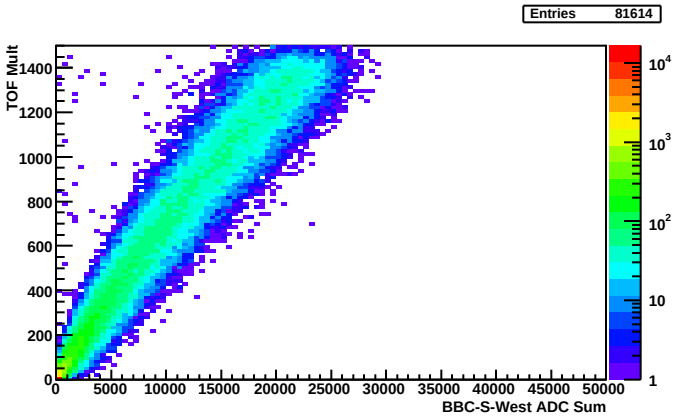

BBQ-VP004 (HI threshold)
Entries 1305824
ADC
QT Input Channel

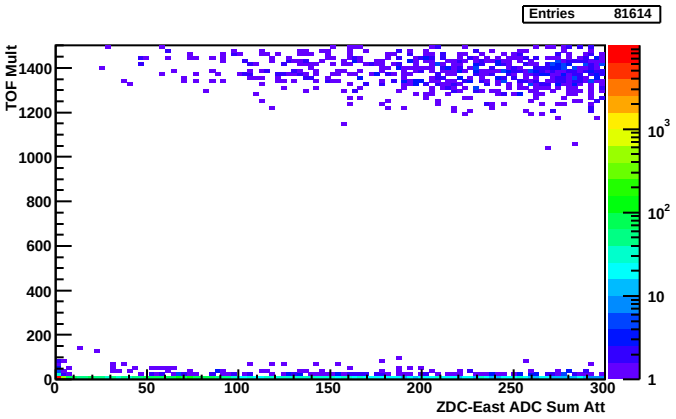

BBQ-VP004 (HI threshold)
Entries 1305824
TAC
QT Input Channel

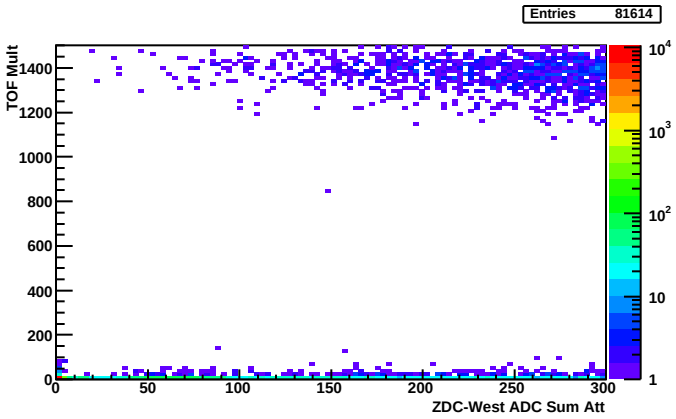

Entries 81614
TOF Mult
BBC-L-East ADC Sum

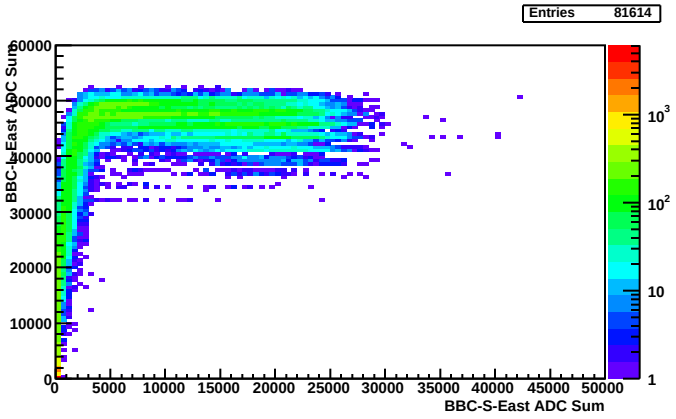

Entries 81614
TOF Mult
BBC-L-West ADC Sum

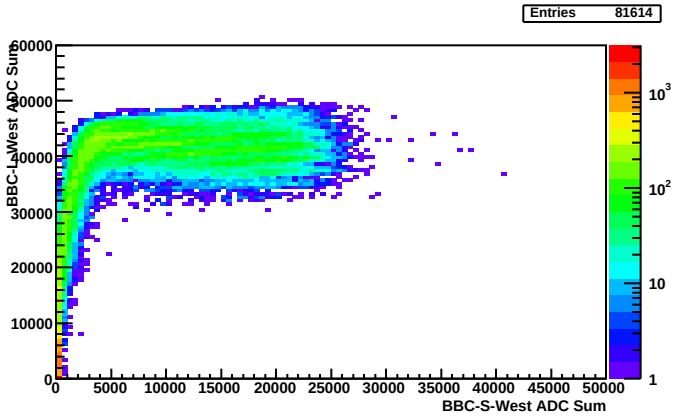

Entries 81614
TOF Mult
BBC-S-East ADC Sum


Entries 81614
TOF Mult
BBC-S-West ADC Sum


Entries 81614
TOF Mult
ZDC-East ADC Sum Att


Entries 81614
TOF Mult
ZDC-West ADC Sum Att


Entries 81614
BBC-L-East ADC Sum
BBC-S-East ADC Sum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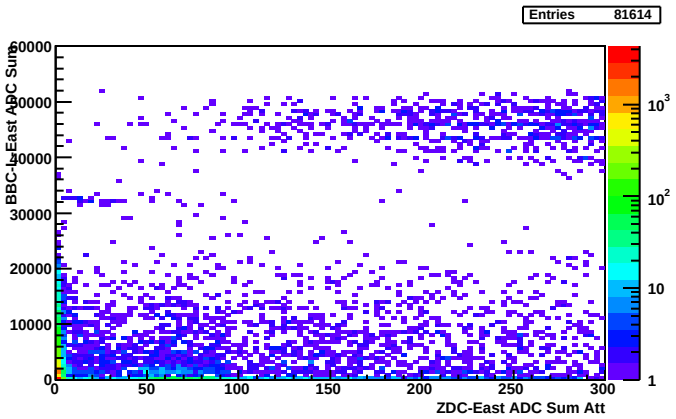
BBC-L-West ADC Sum
BBC-S-West ADC Sum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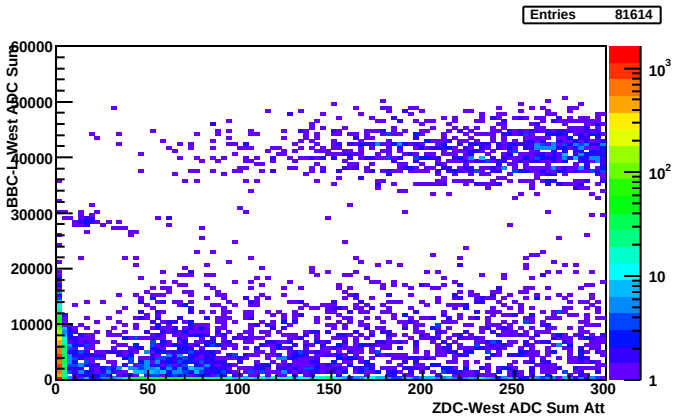
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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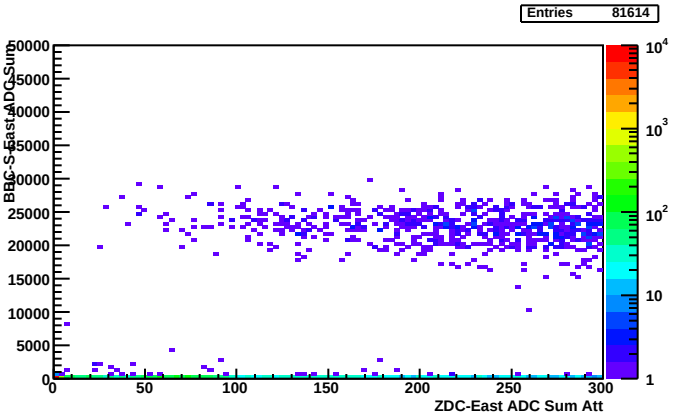
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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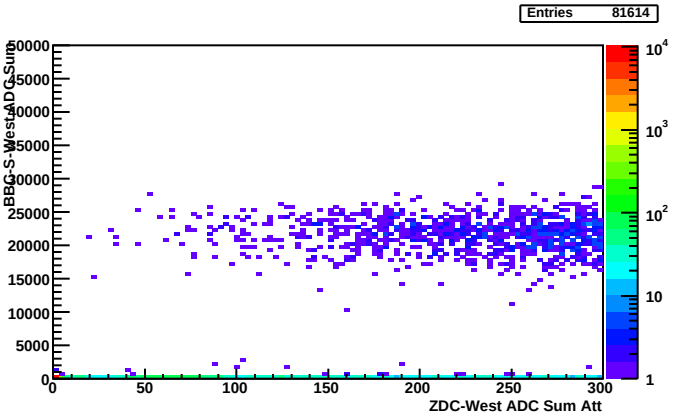
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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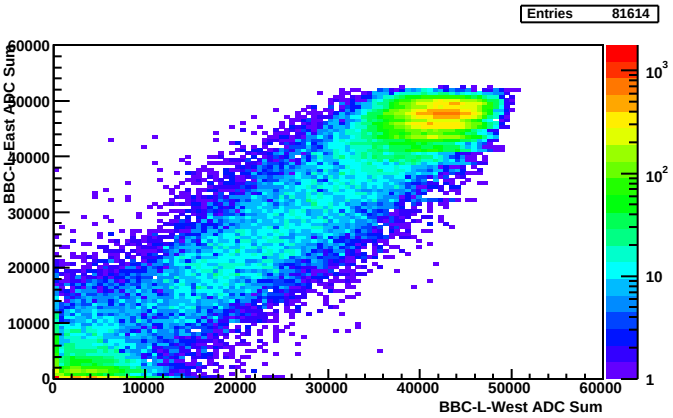
BBC-S-West ADC Sum
ZDC-West ADC Sum Att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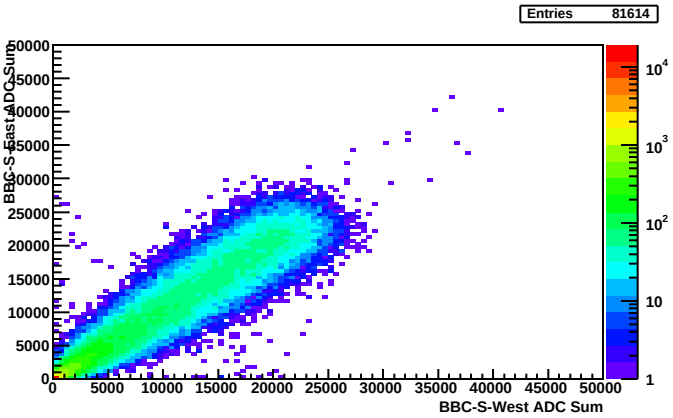
BBC-L-East ADC Sum
BBC-L-West ADC Sum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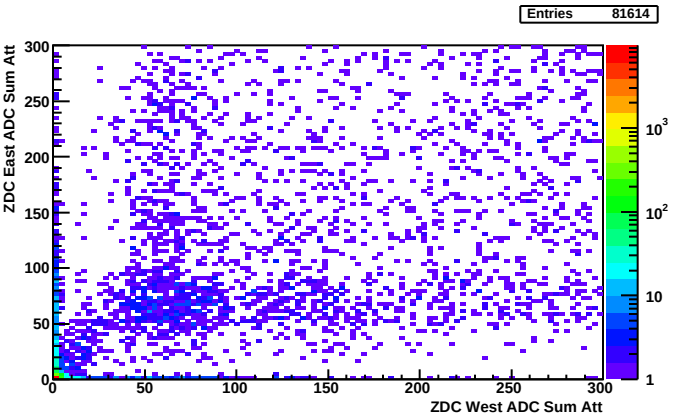
BBC-S-East ADC Sum
BBC-S-West ADC Sum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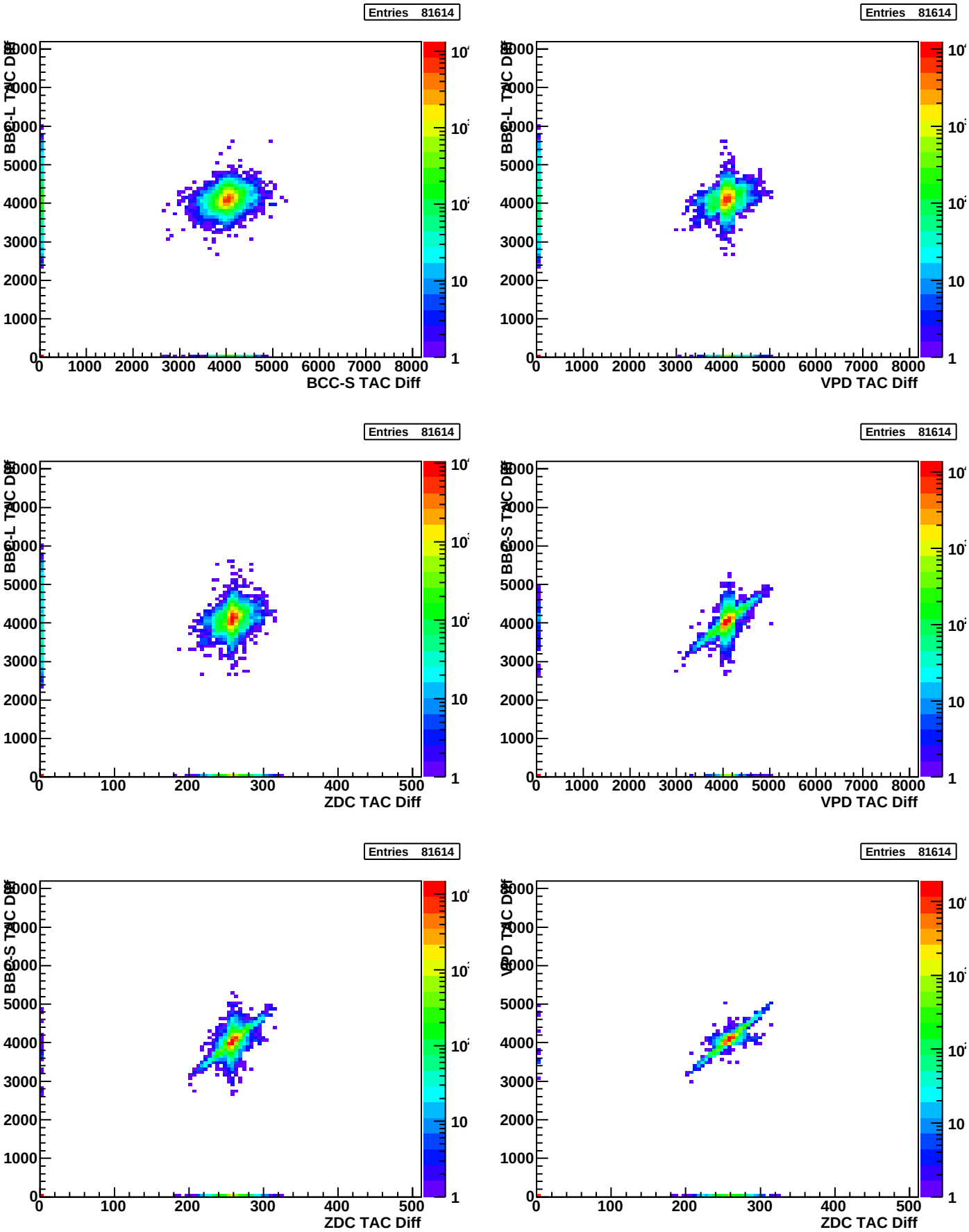
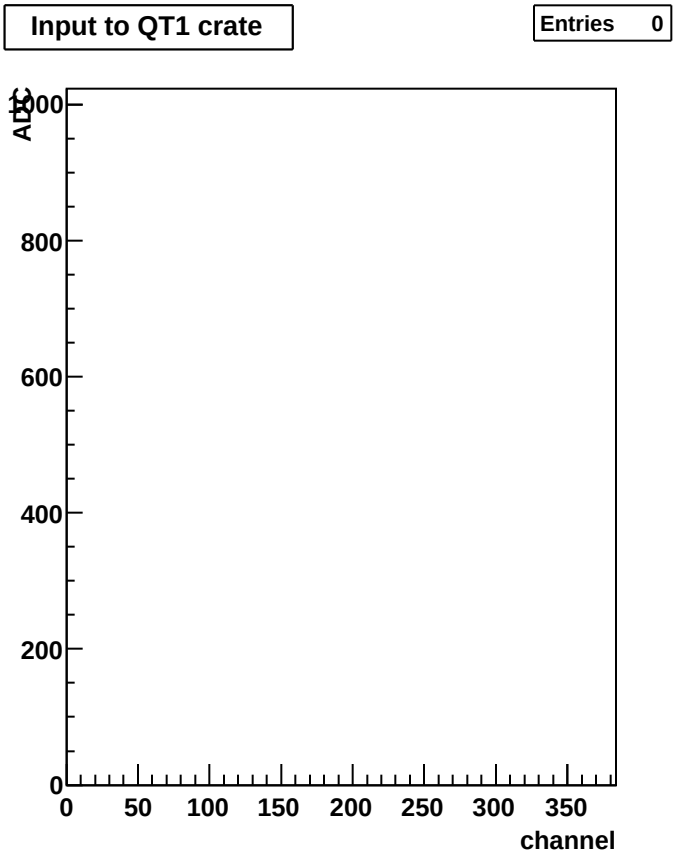
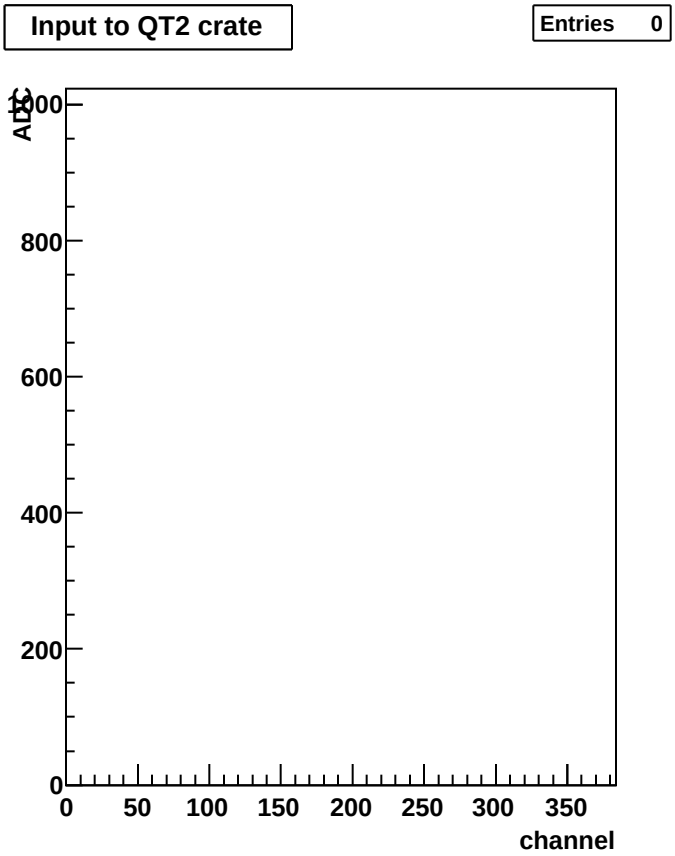
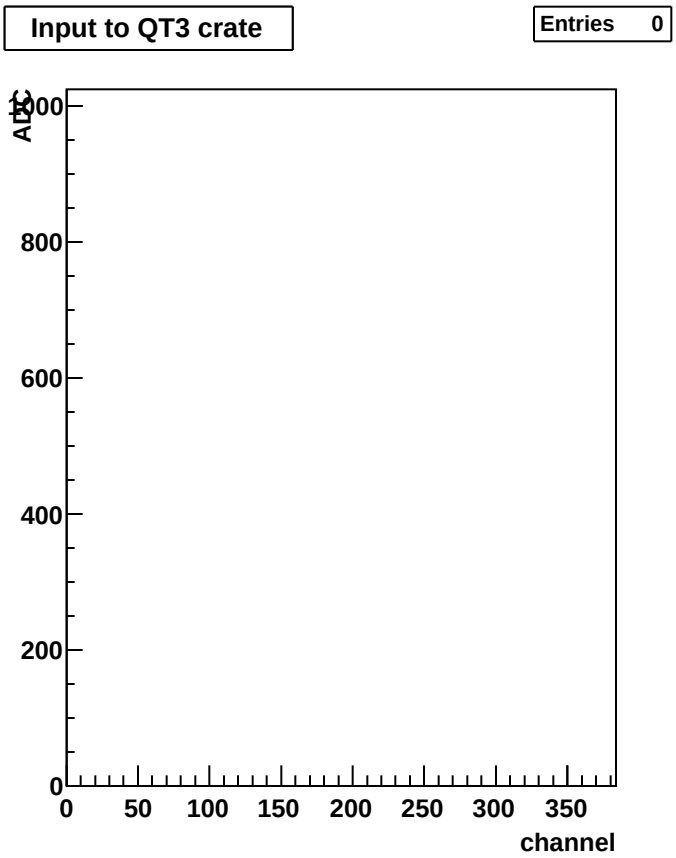
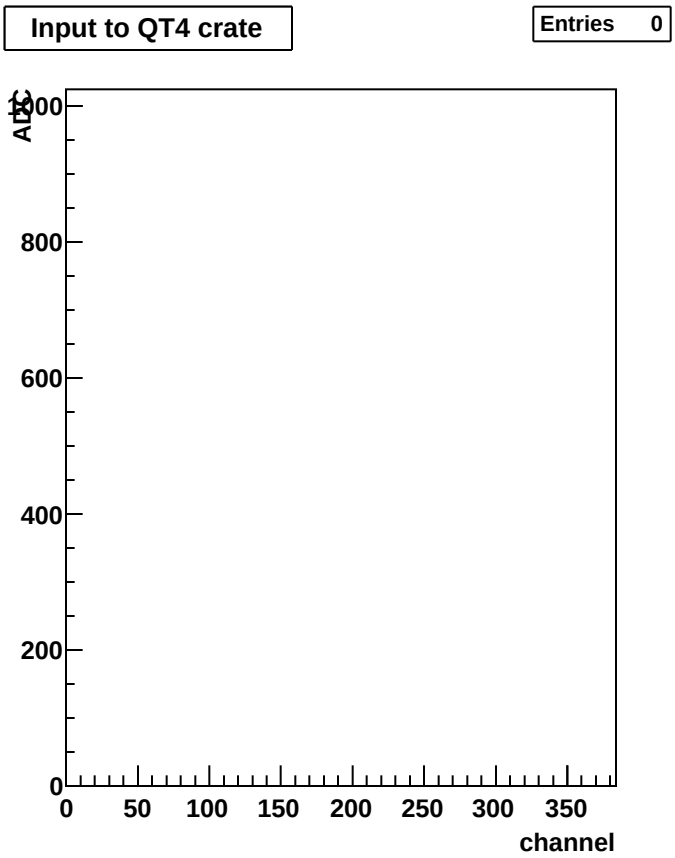
ZDC East ADC Sum Att
ZDC West ADC Sum Att

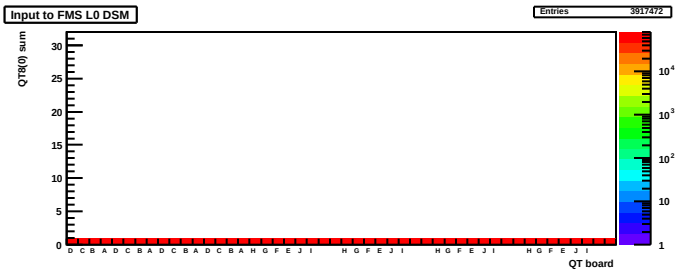

Entries 81614
BBC-L TAC Diff
BCC-S TAC Diff
Entries 81614
BBC-L TAC Diff
VPD TAC Diff
Entries 81614
BBC-L TAC Diff
ZDC TAC Diff
Entries 81614
BBC-S TAC Diff
VPD TAC Diff
Entries 81614
BBC-S TAC Diff
ZDC TAC Diff
Entries 81614
VPD TAC Diff
ZDC TAC Diff

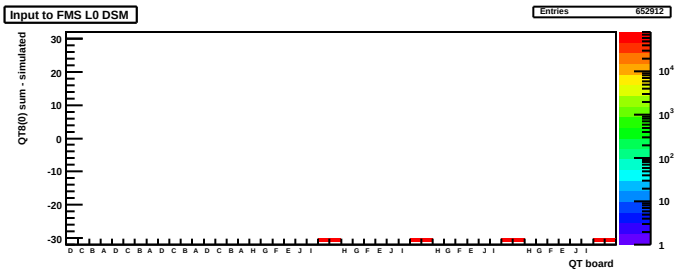

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

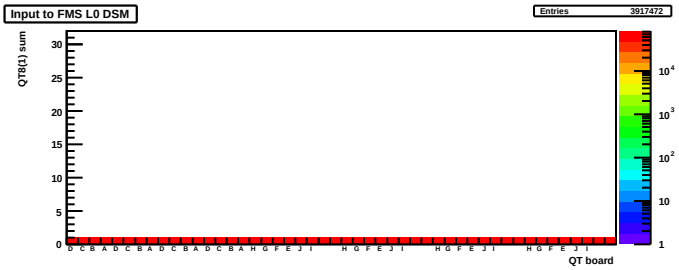

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

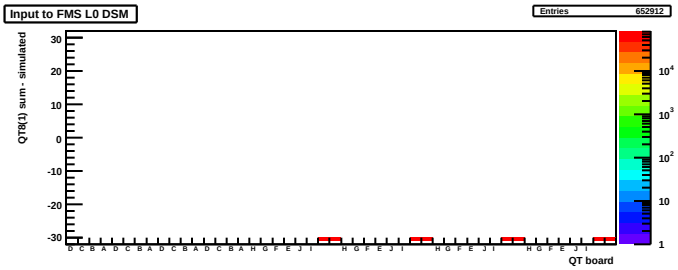

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

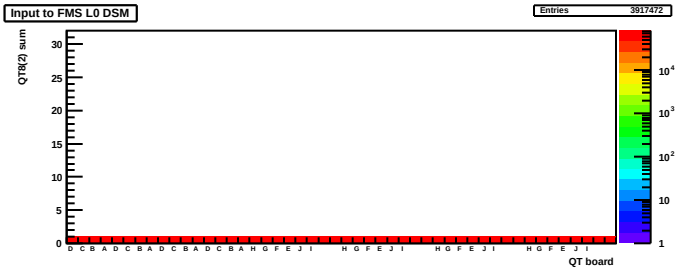

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

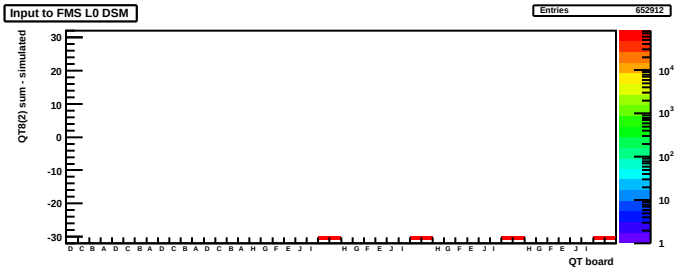

Input to FMS L0 DSM
Entries 3917472
QT8(0) sum
QT board

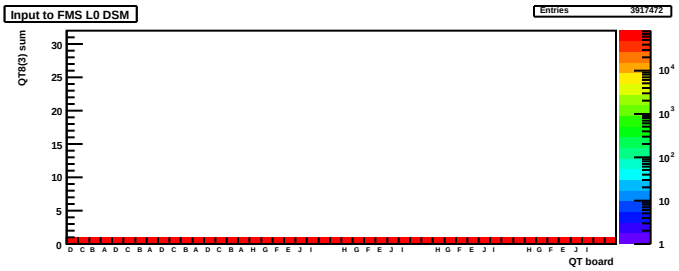

Input to FMS L0 DSM
Entries 652912
QT8(0) sum - simulated
QT board

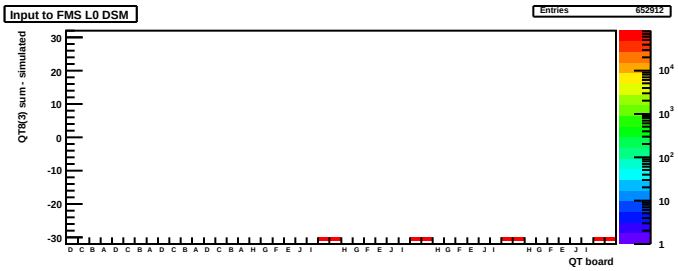

Input to FMS L0 DSM
Entries 3917472
QT8(1) sum
QT board

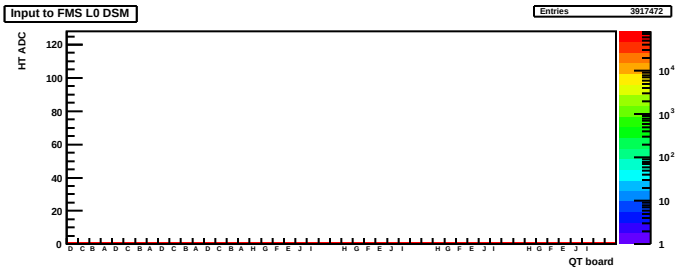

Input to FMS L0 DSM
Entries 652912
QT8(1) sum - simulated
QT board

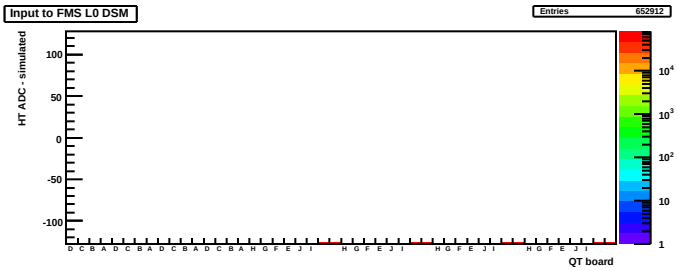

Input to FMS L0 DSM
Entries 3917472
QT8(2) sum
QT board

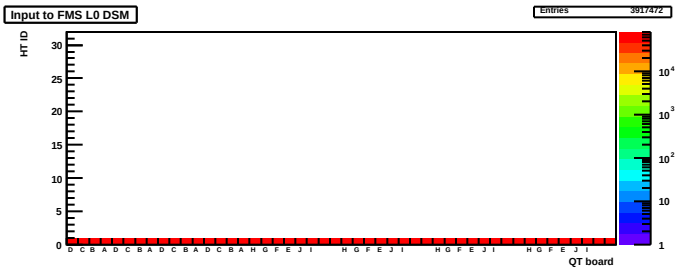

Input to FMS L0 DSM
Entries 652912
QT8(2) sum - simulated
QT board

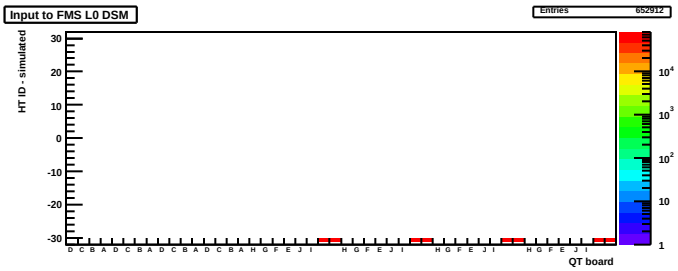

Input to FMS L0 DSM
Entries 3917472
QT8(3) sum
QT board

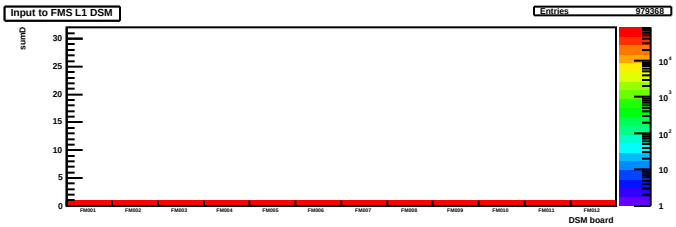

Input to FMS L0 DSM
Entries 652912
QT8(3) sum - simulated
QT board

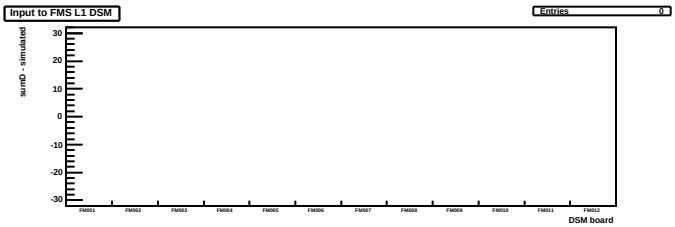

Input to FMS L0 DSM
Entries 3917472
HT ADC
QT board

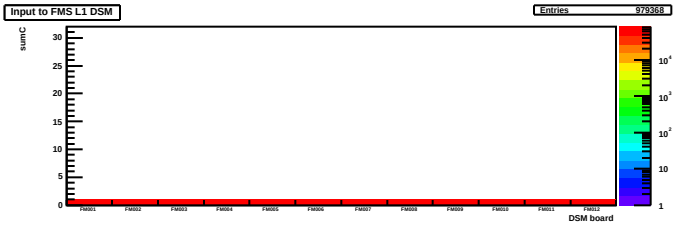

Input to FMS L0 DSM
Entries 652912
HT ADC - simulated
QT board

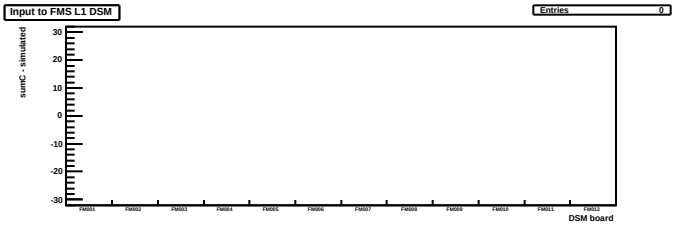

Input to FMS L0 DSM
Entries 3917472
HT ID
QT board

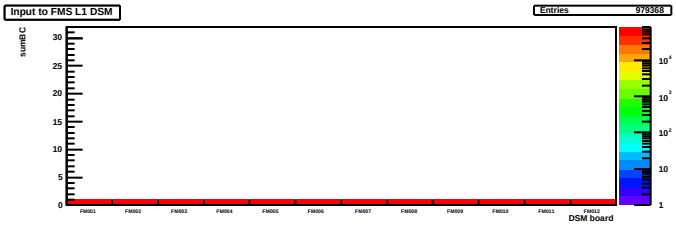

Input to FMS L0 DSM
Entries 652912
HT ID - simulated
QT board

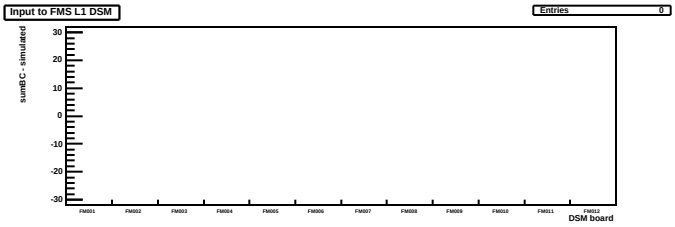

Input to FMS L1 DSM
Entries 979368
sumD
DSM board

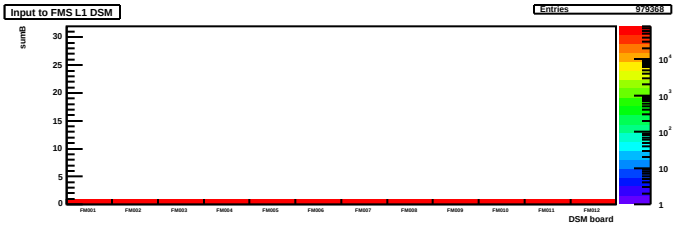

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

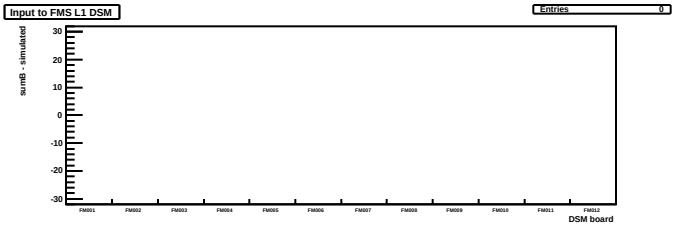

Input to FMS L1 DSM
Entries 979368
sumC
DSM board

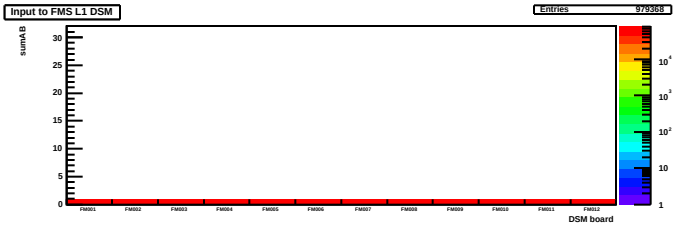

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

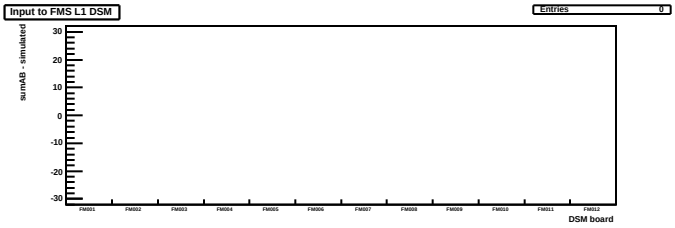

Input to FMS L1 DSM
Entries 979368
sumBC
DSM board

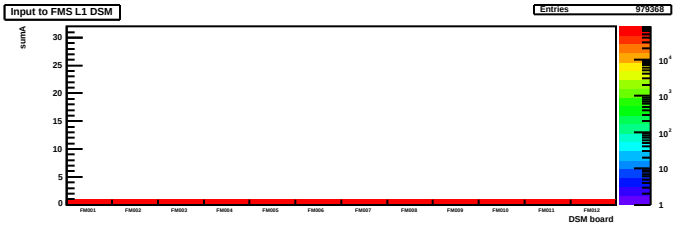

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

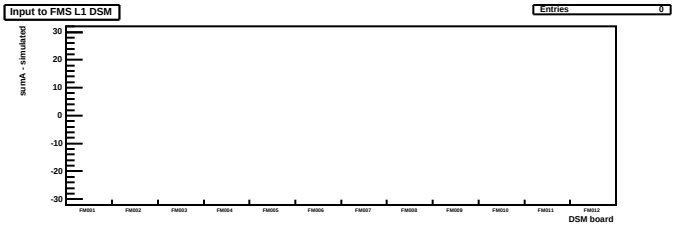

Input to FMS L1 DSM
Entries 979368
sumB
DSM board

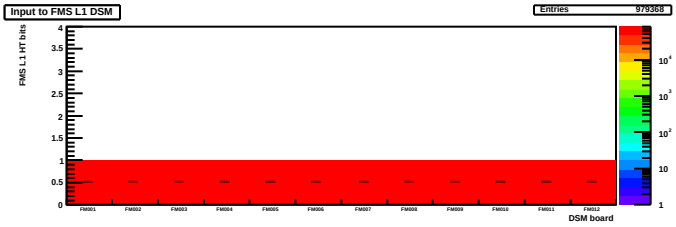

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

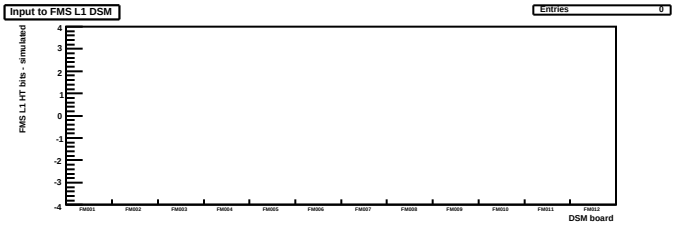

Input to FMS L1 DSM
Entries 979368
sumAB
DSM board

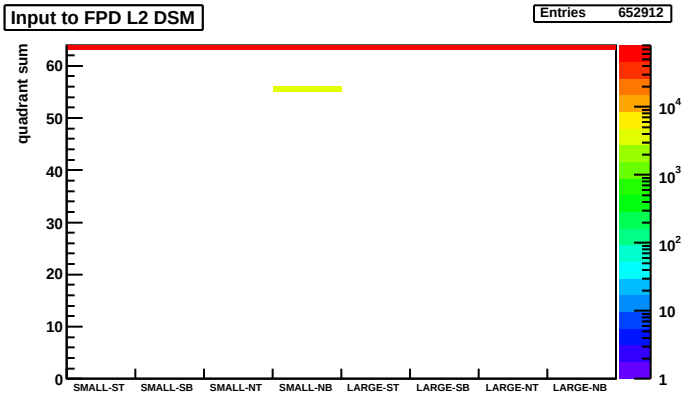

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

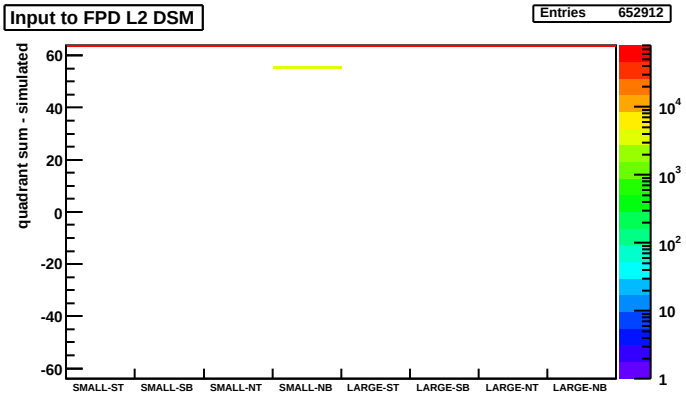

Input to FMS L1 DSM
Entries 979368
sumA
DSM board

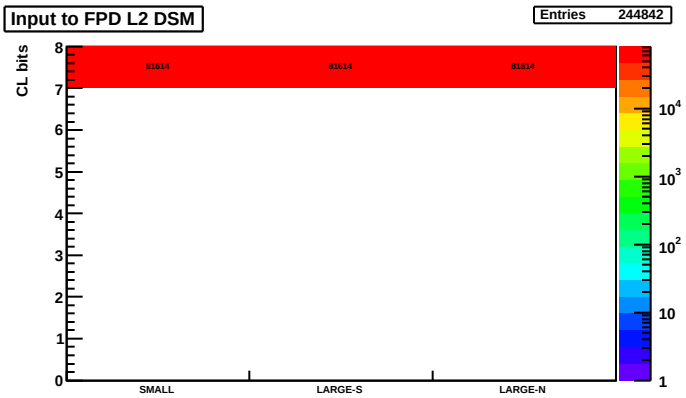

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

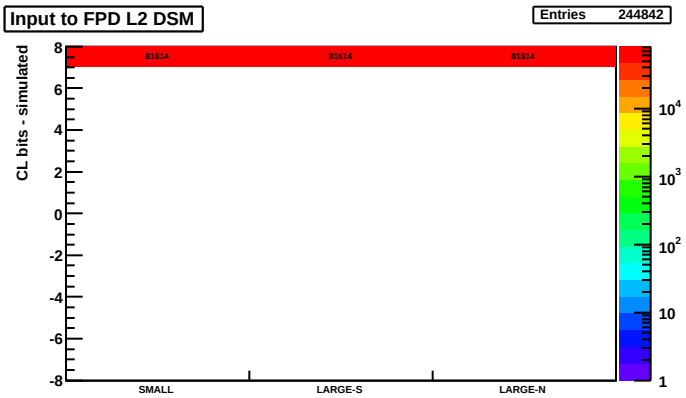

Input to FMS L1 DSM
Entries 979368
FMS L1 HT bits
DSM board

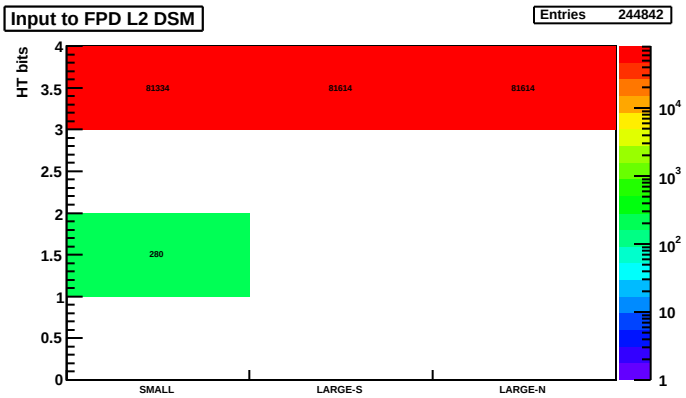

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

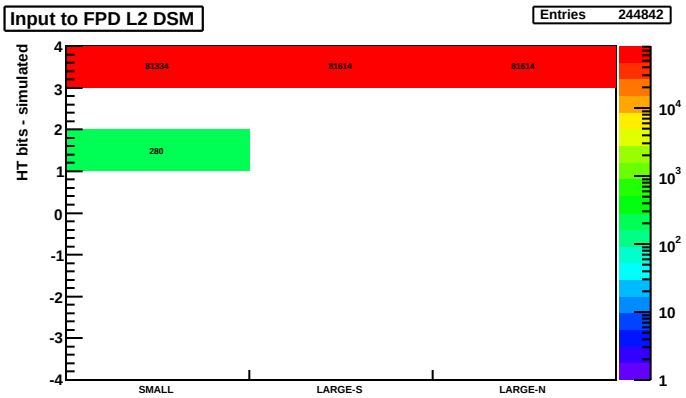

Input to FPD L2 DSM
Entries 652912
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

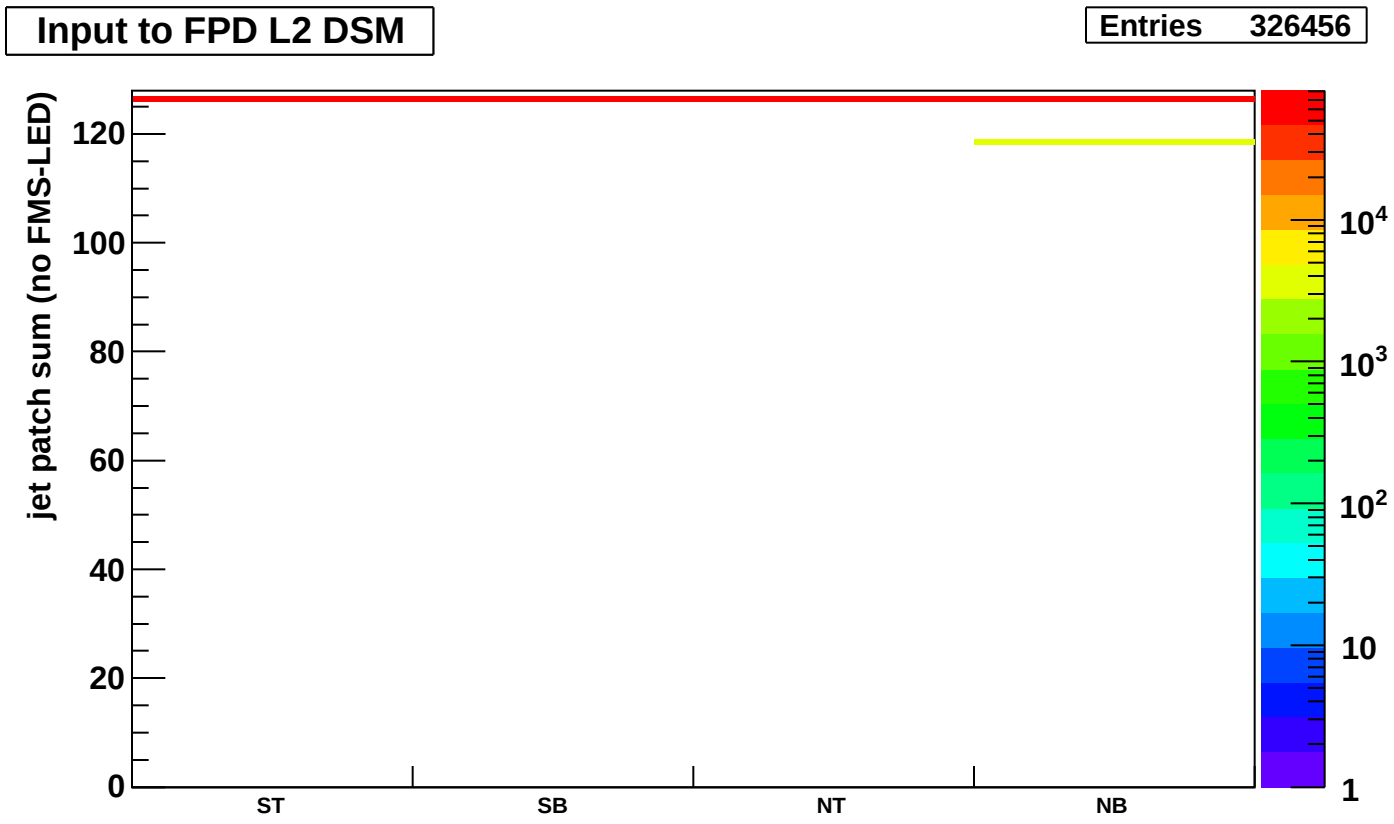

Input to FPD L2 DSM
Entries 652912
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

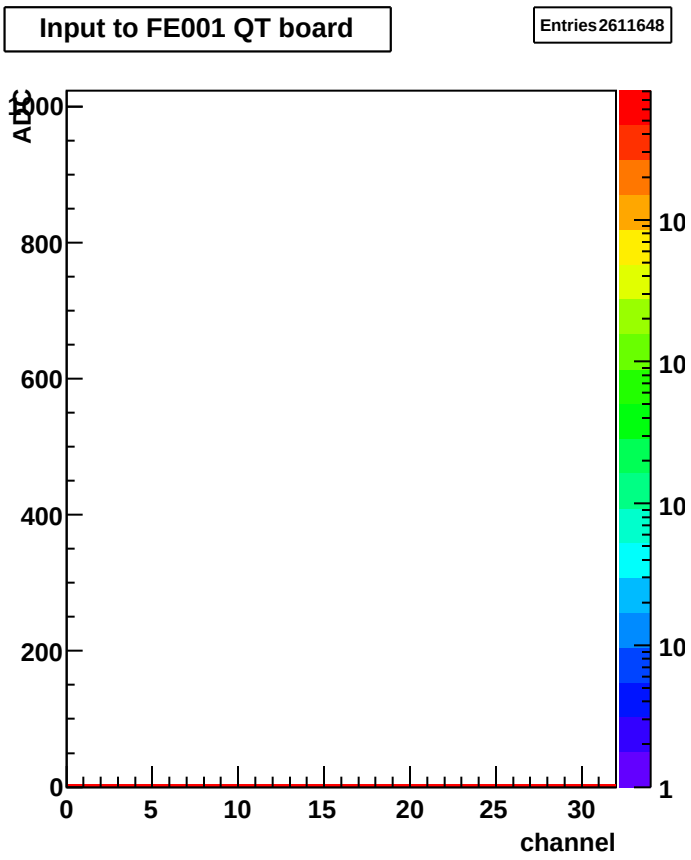

Input to FPD L2 DSM
Entries 244842
CL bits
81614
81614
81614
SMALL
LARGE-S
LARGE-N

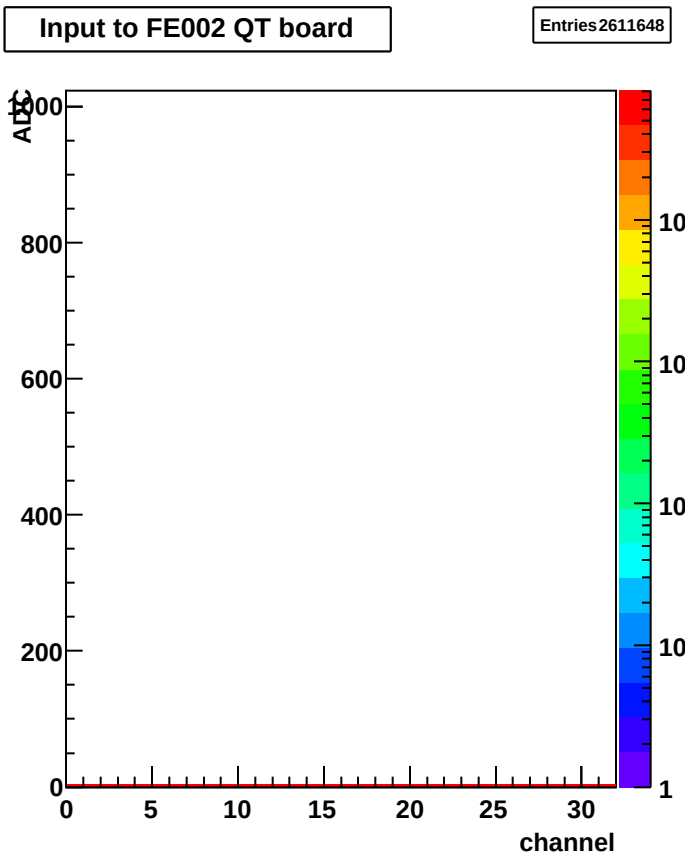

Input to FPD L2 DSM
Entries 244842
CL bits - simulated
81614
81614
81614
SMALL
LARGE-S
LARGE-N

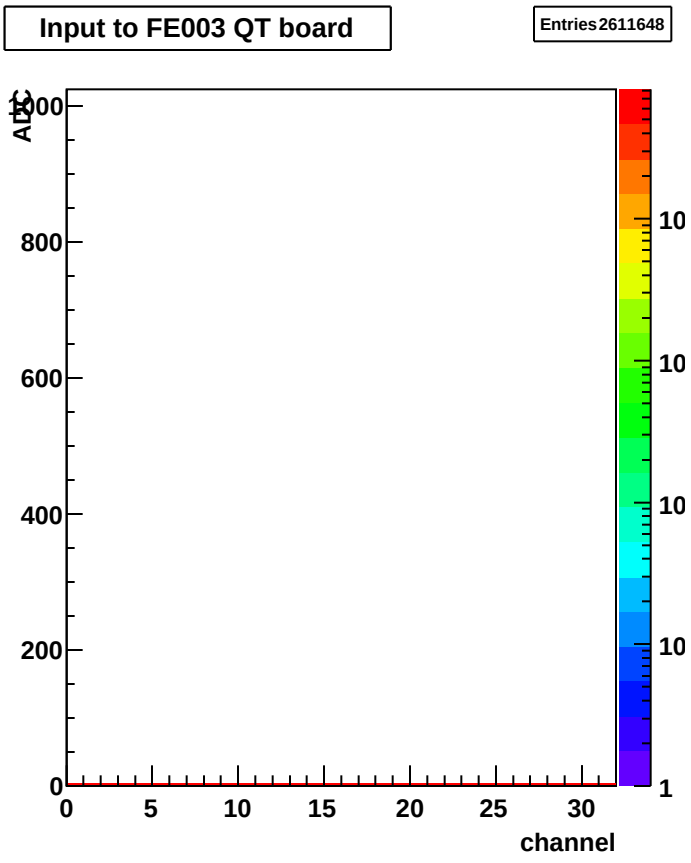

Input to FPD L2 DSM
Entries 244842
HT bits
81334
81614
81614
280
SMALL
LARGE-S
LARGE-N

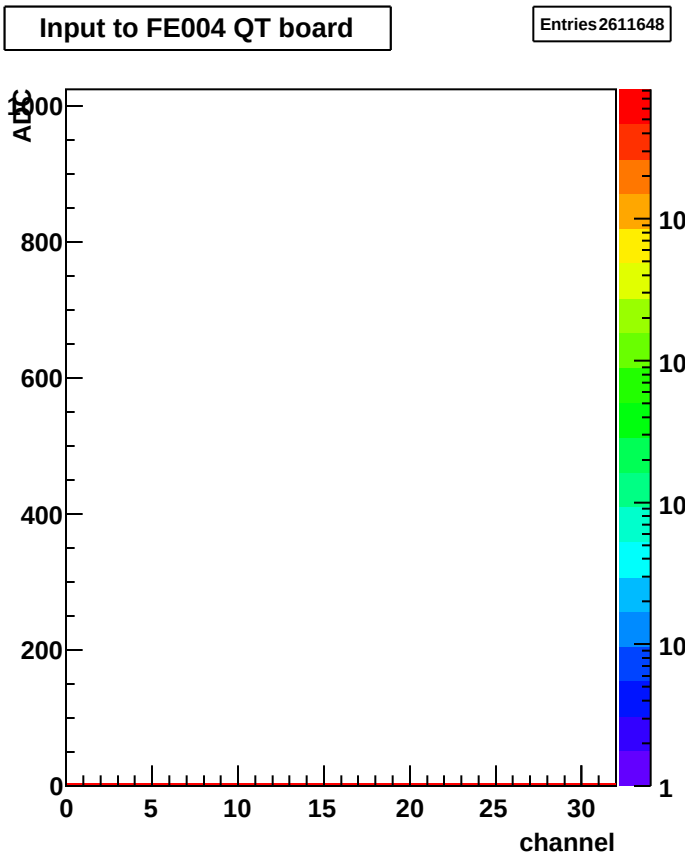

Input to FPD L2 DSM
Entries 244842
HT bits - simulated
81334
81614
81614
280
SMALL
LARGE-S
LARGE-N

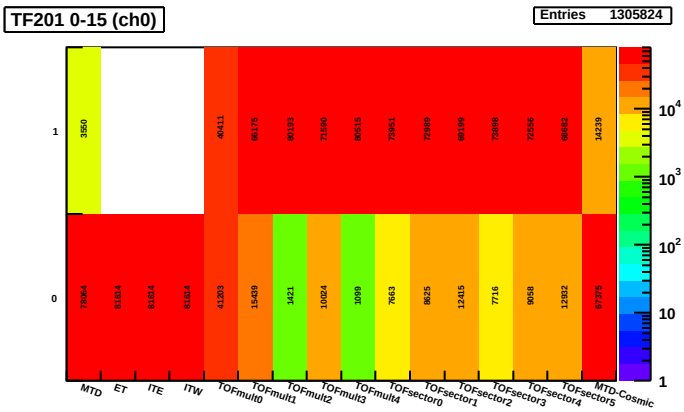

Input to FPD L2 DSM
Entries 326456
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

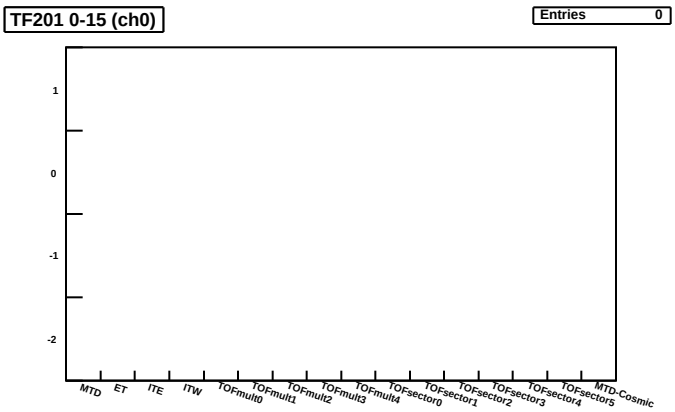

Input to FE001 QT board
Entries 2611648
ADC
channel

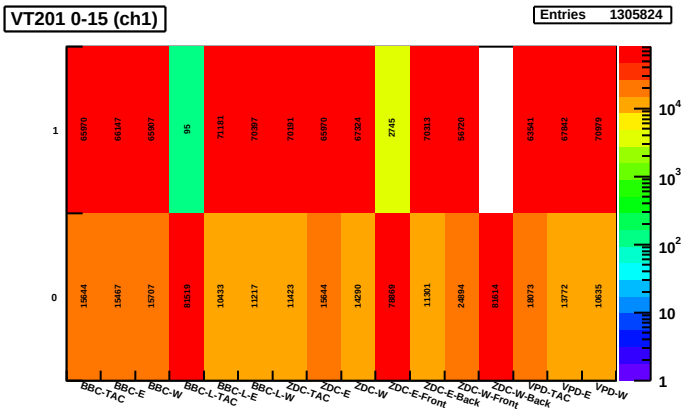

Input to FE002 QT board
Entries 2611648
ADC
channel

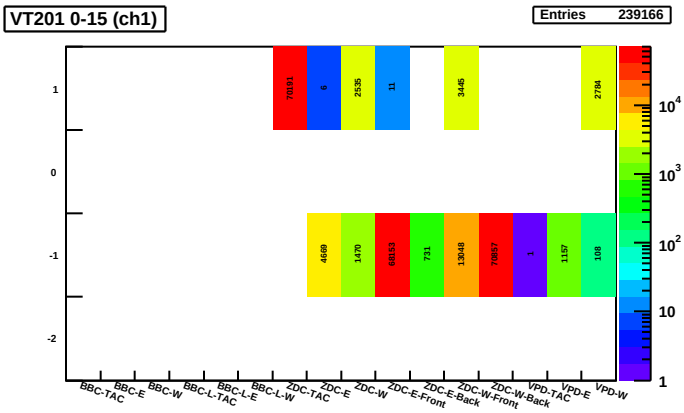

Input to FE003 QT board
Entries 2611648
ADC
channel

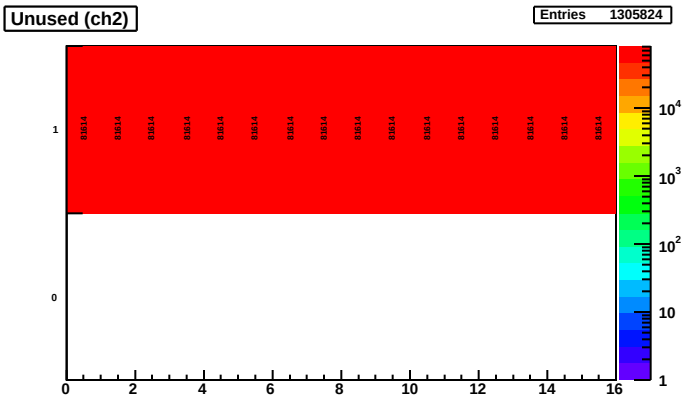

Input to FE004 QT board
Entries 2611648
ADC
channel

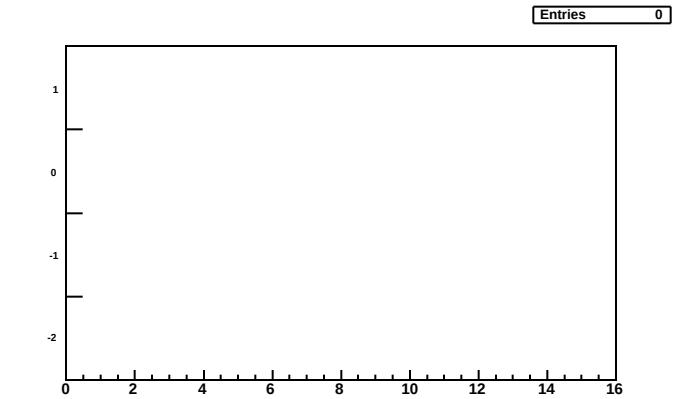

TF201 0-15 (ch0)
Entries 1305824
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

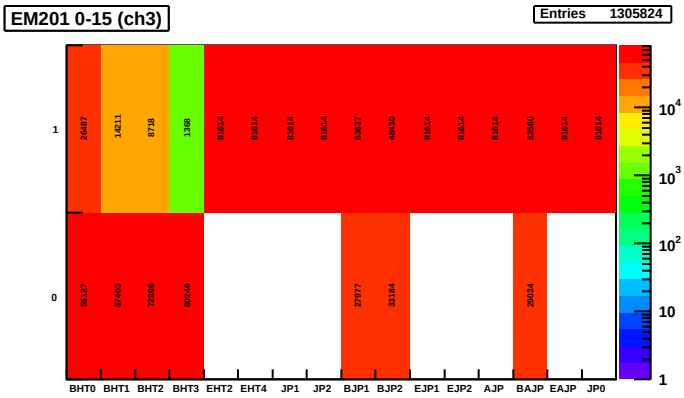

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

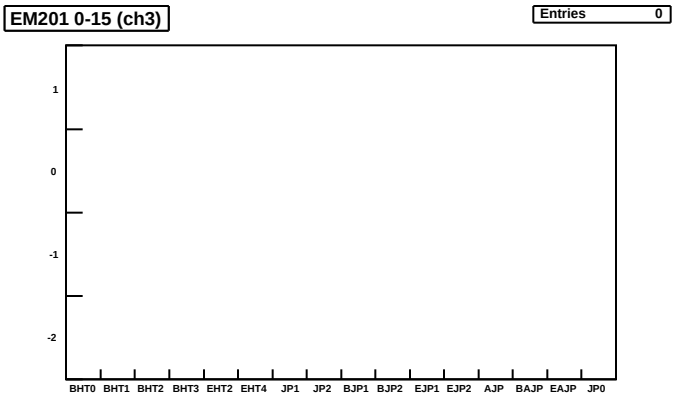

VT201 0-15 (ch1)
Entries 1305824
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 239166
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

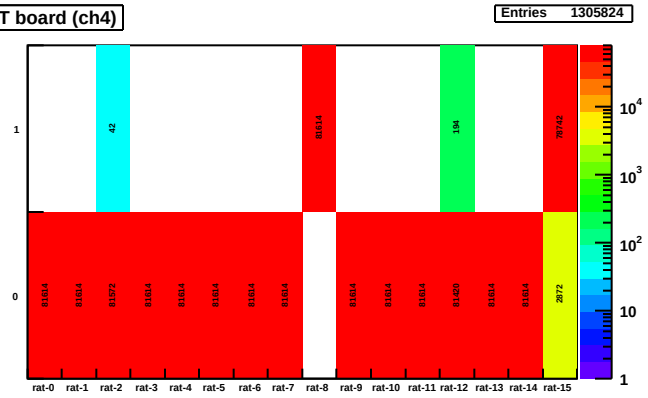

Unused (ch2)
Entries 1305824

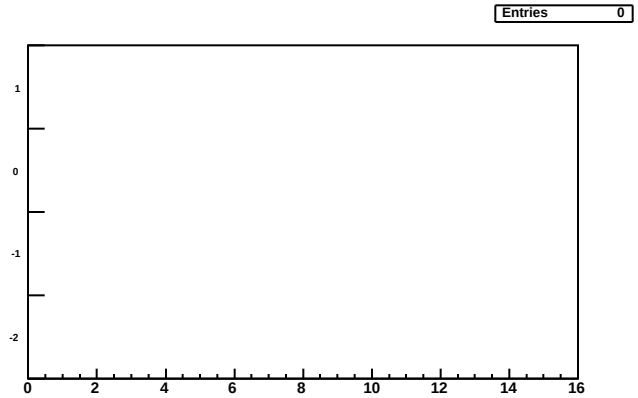

Entries 0


EM201 0-15 (ch3)
Entries 1305824
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

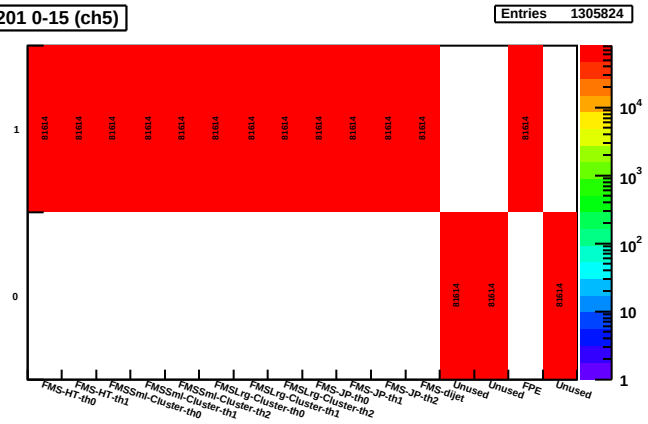

EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

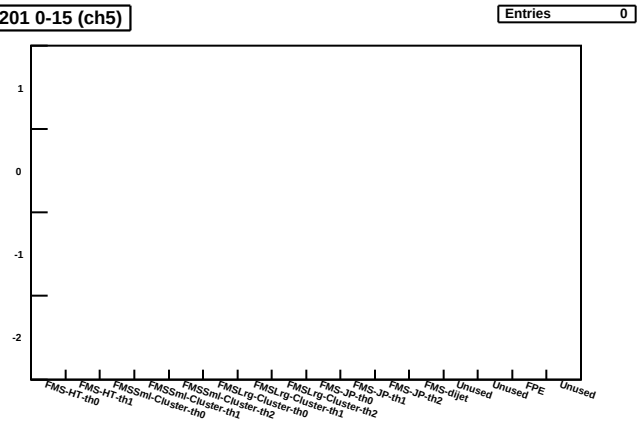




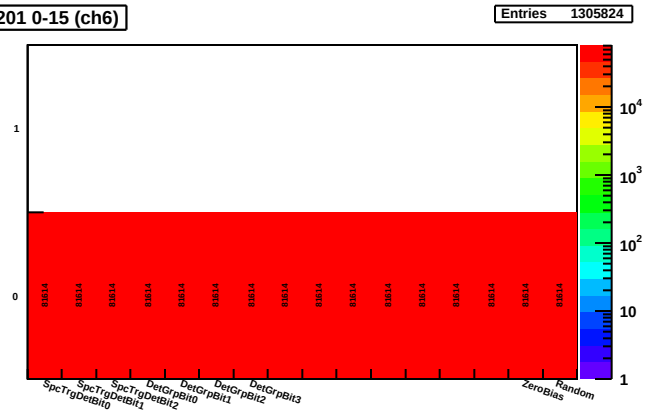
FP201 0-15 (ch5)

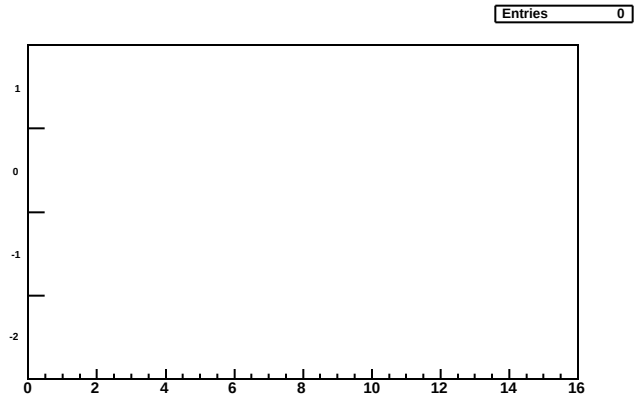
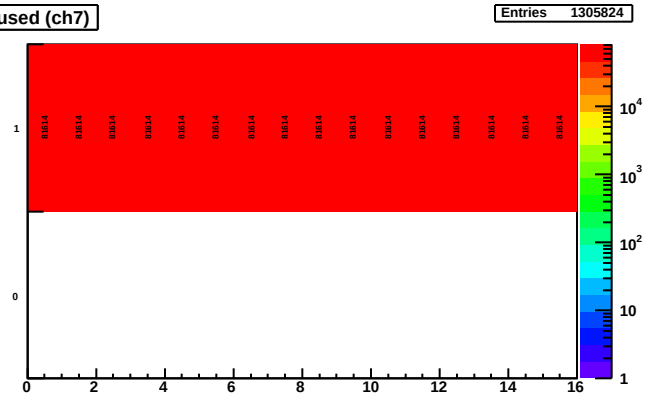
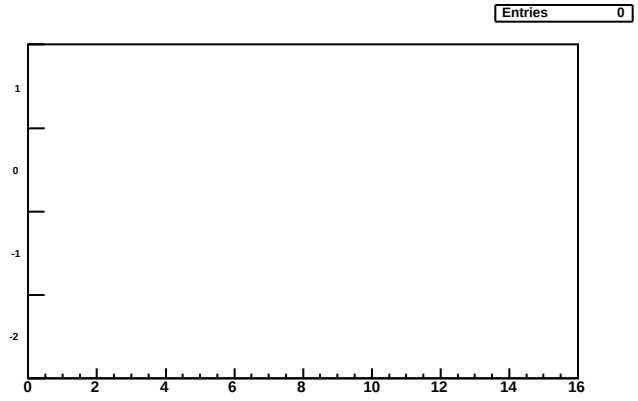


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)