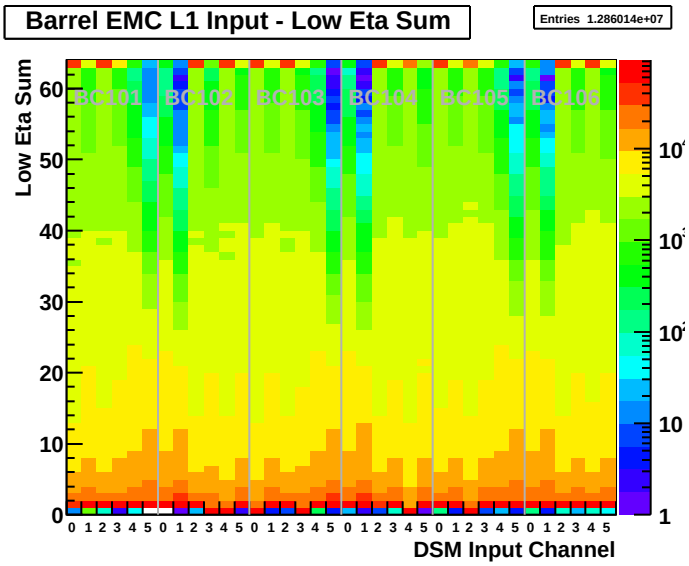
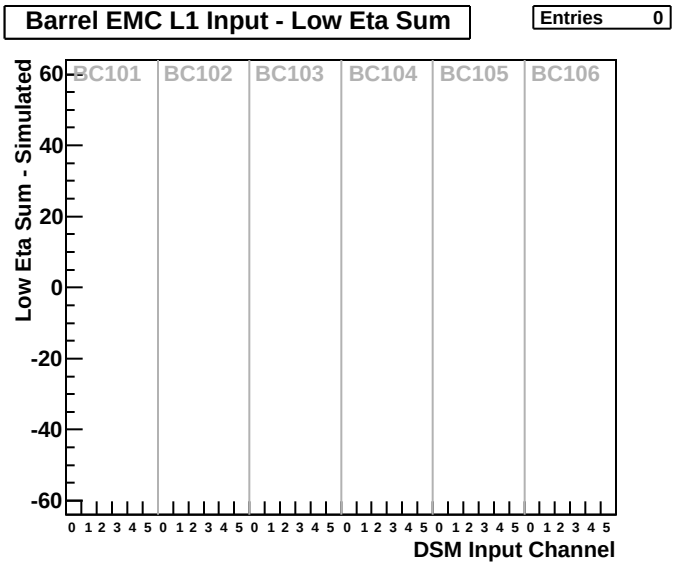
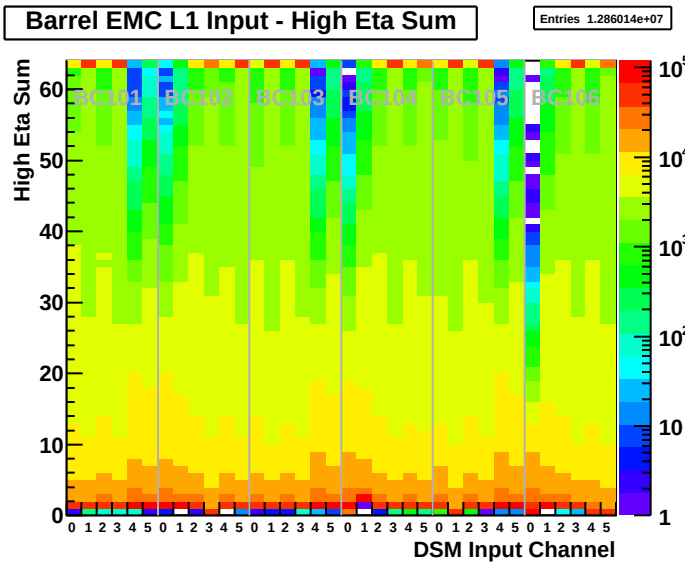
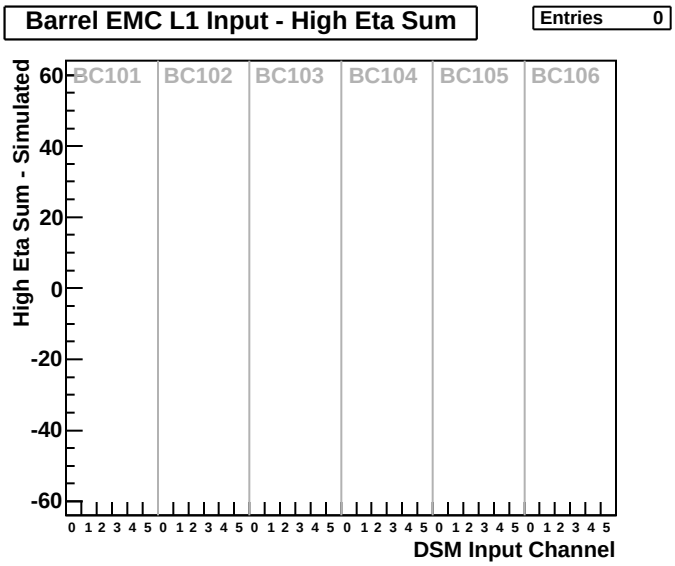
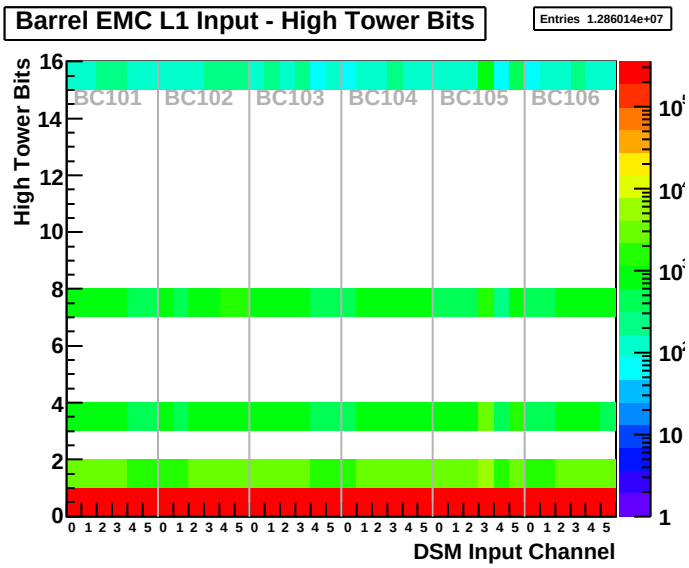
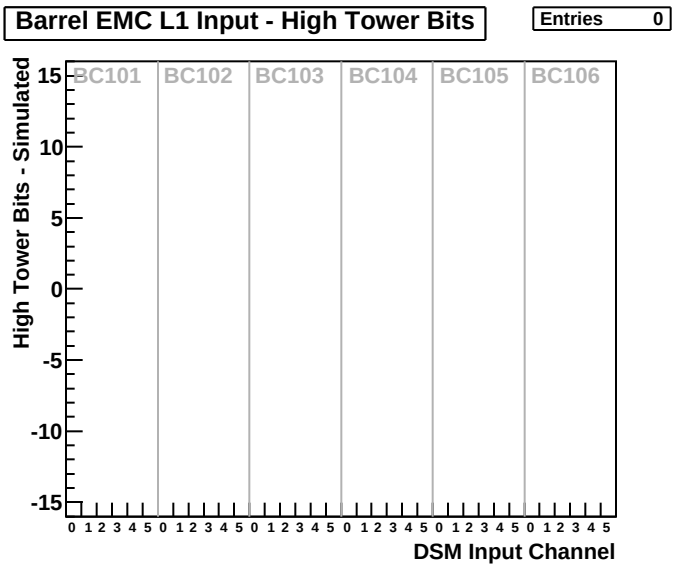

Barrel EMC L1 Input - Low Eta Sum
Entries 1.286014e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

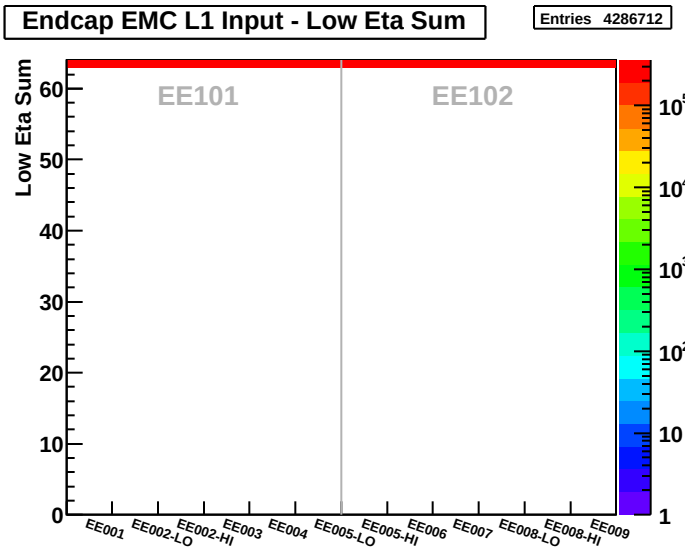

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

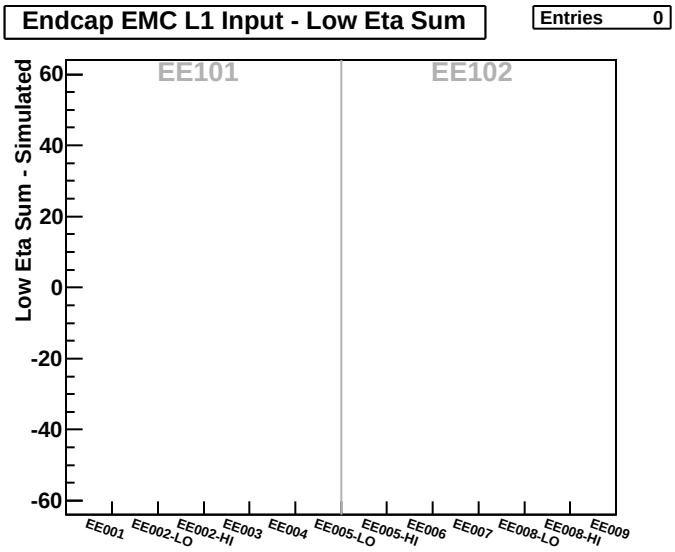

Barrel EMC L1 Input - High Eta Sum
Entries 1.286014e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

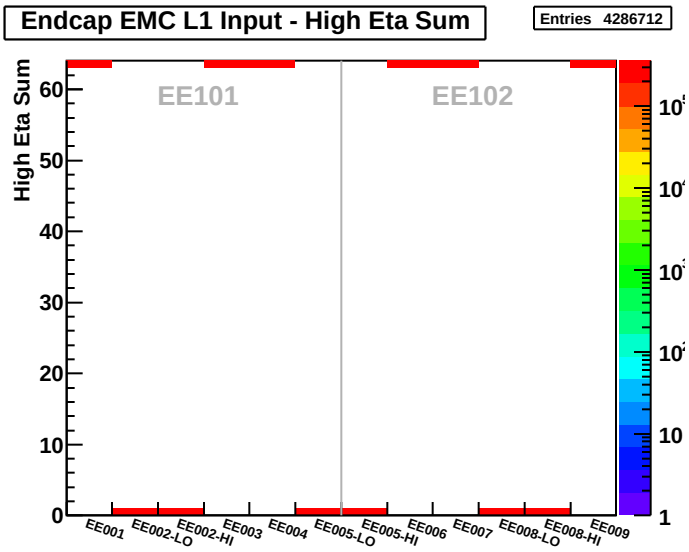

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

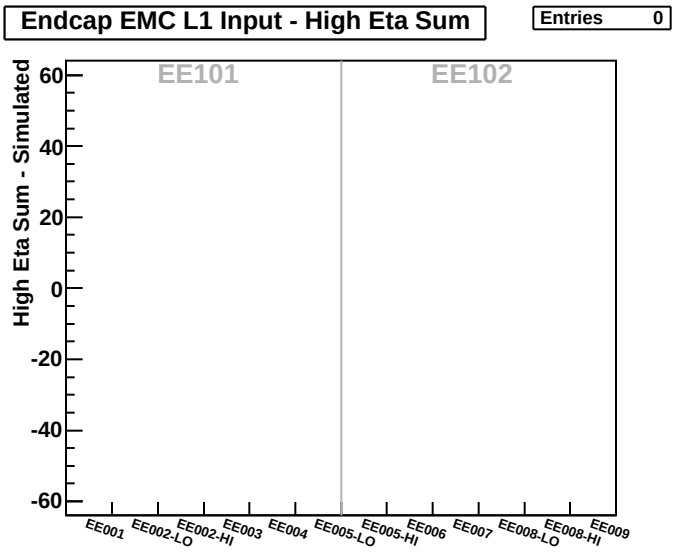

Barrel EMC L1 Input - High Tower Bits
Entries 1.286014e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

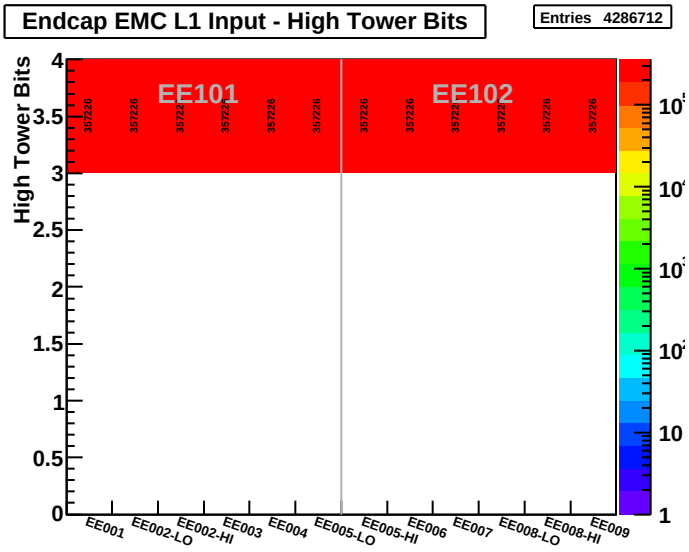

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

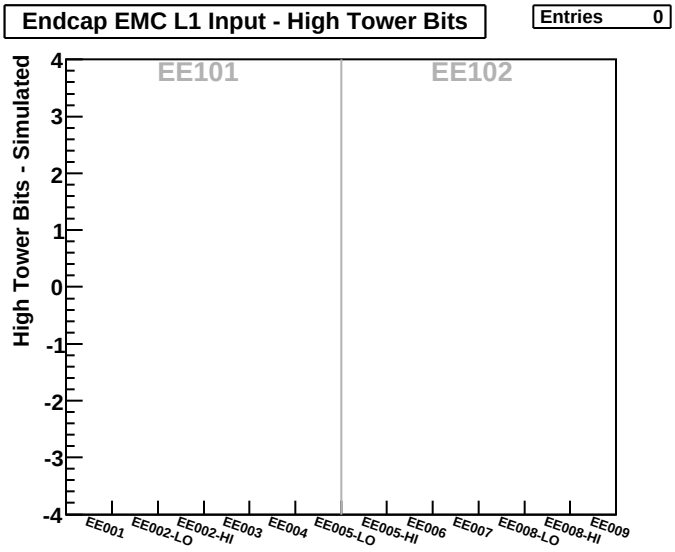

Endcap EMC L1 Input - Low Eta Sum
Entries 4286712
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

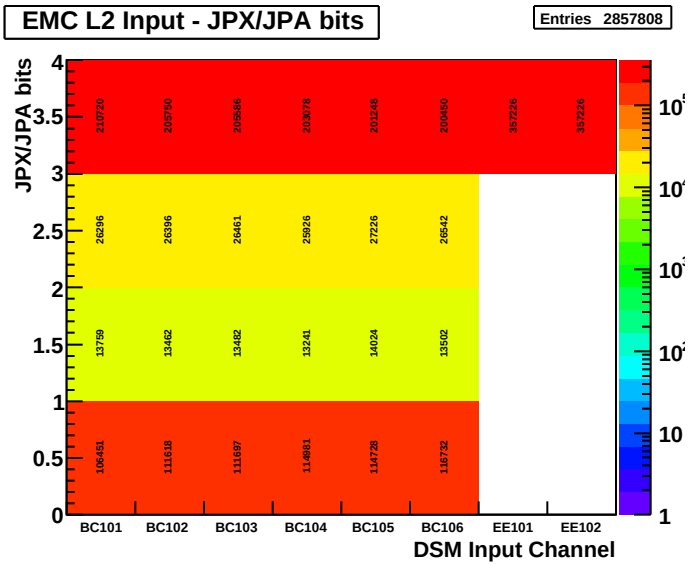

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

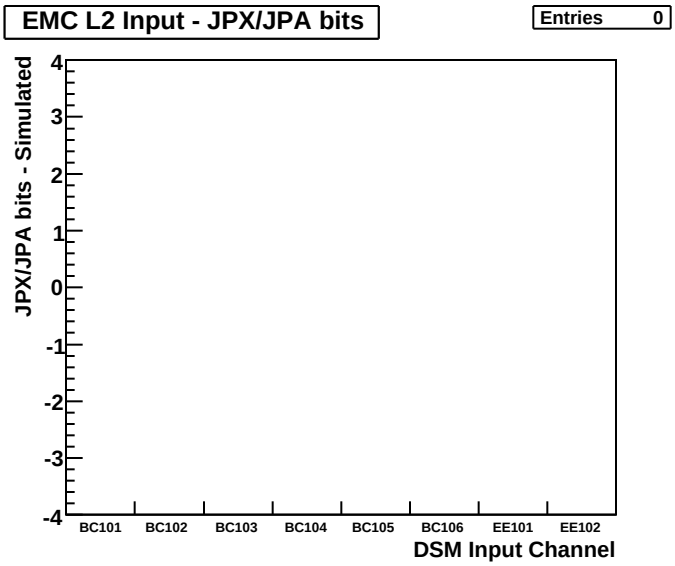

Endcap EMC L1 Input - High Eta Sum
Entries 4286712
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

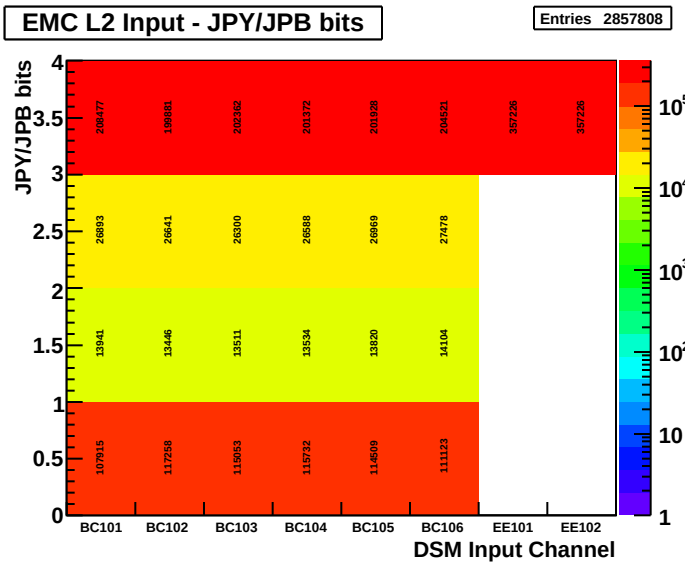

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

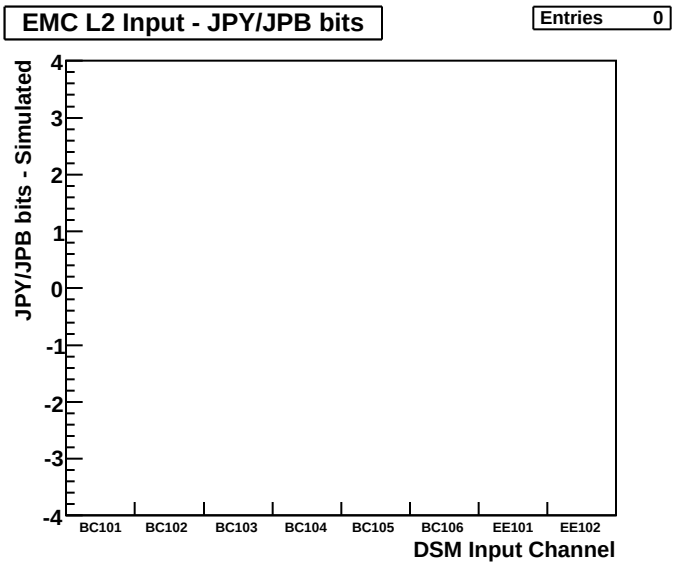

Endcap EMC L1 Input - High Tower Bits
Entries 4286712
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

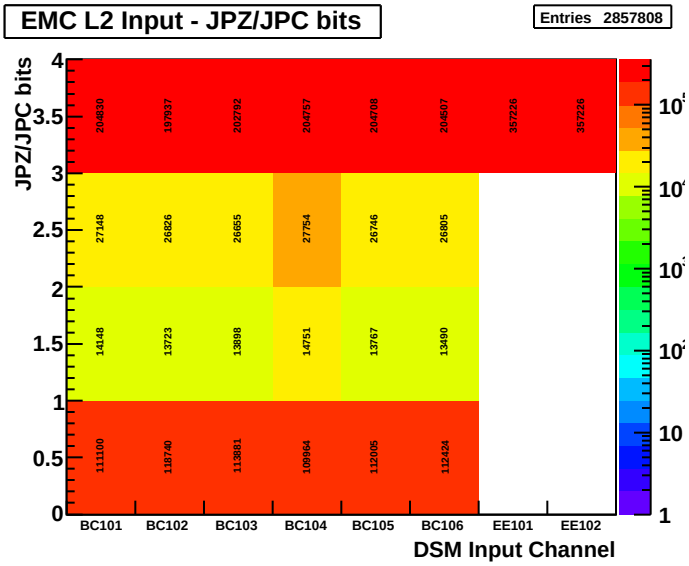

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

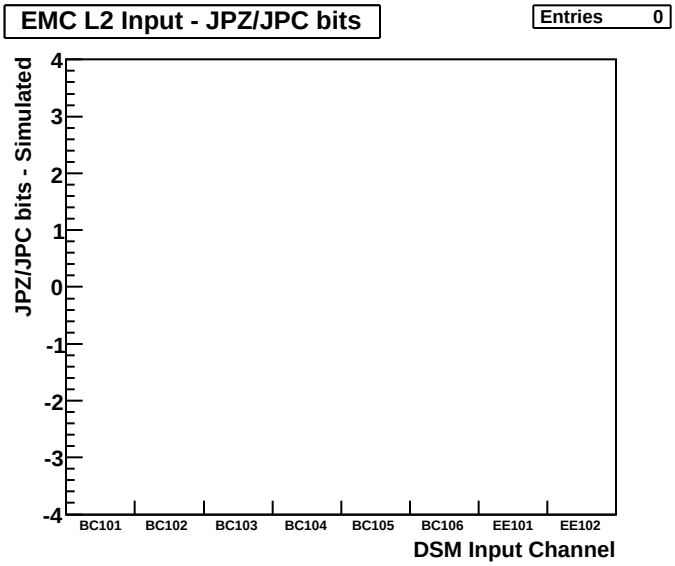

EMC L2 Input - JPX/JPA bits
Entries 2857808
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
210720 205750 205586 203078 201248 200459 357226 357226
26296 26396 26461 25926 27226 26542
13759 13462 13482 13241 14024 13502
106451 111618 111697 114981 114728 116732

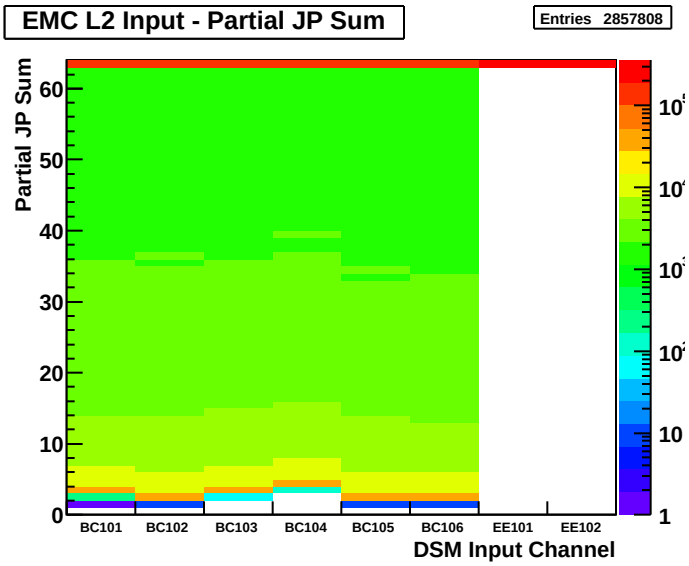

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

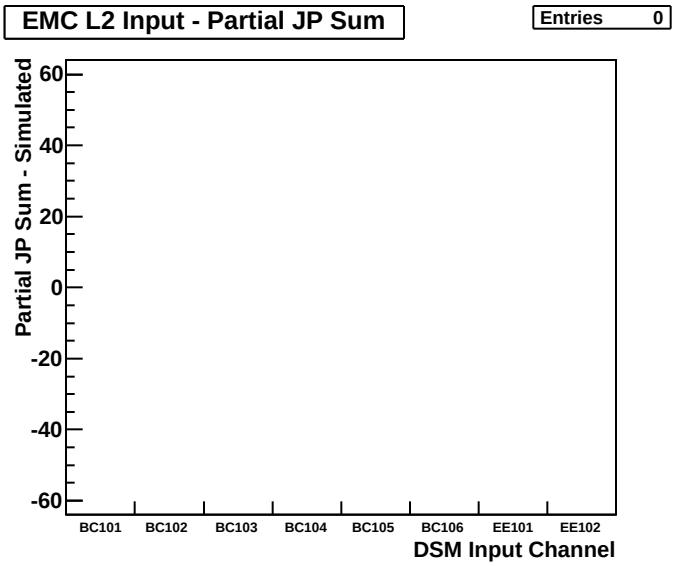

EMC L2 Input - JPY/JPB bits
Entries 2857808
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
208477 199881 202362 201372 201928 204521 357226 357226
26893 26641 26300 26588 26969 27478
13941 13446 13511 13534 13820 14104
107915 117258 115053 115732 114509 111123

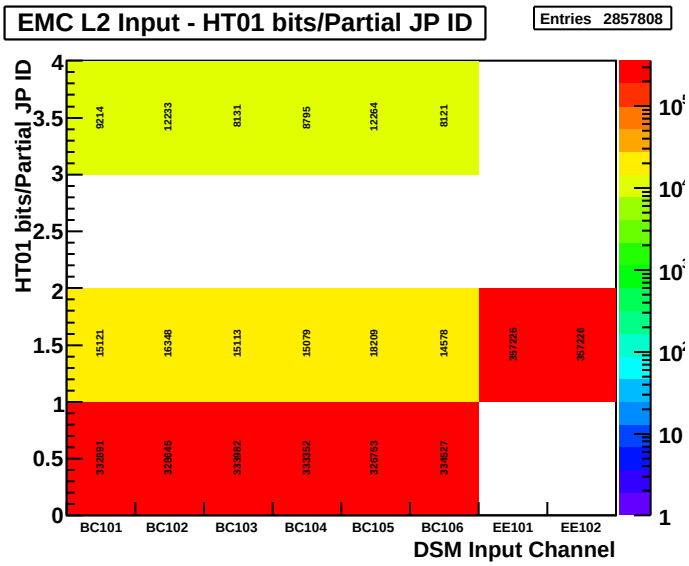

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

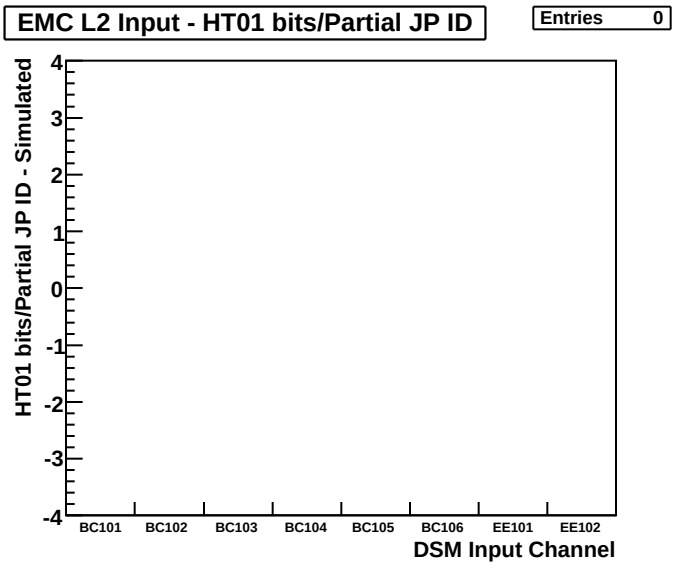

EMC L2 Input - JPZ/JPC bits
Entries 2857808
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
204830 197937 202792 204757 204708 204507 357226 357226
27148 26826 26655 27754 26746 26805
14148 13723 13898 14751 13767 13490
111100 118740 113881 109964 112005 112424

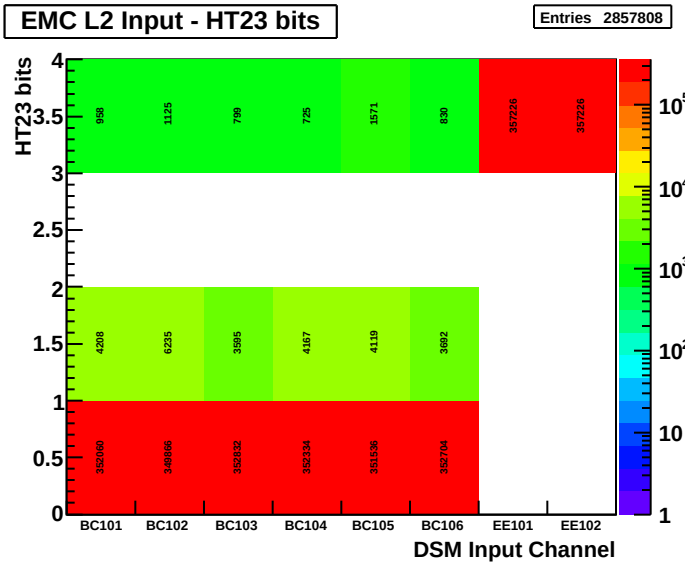

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

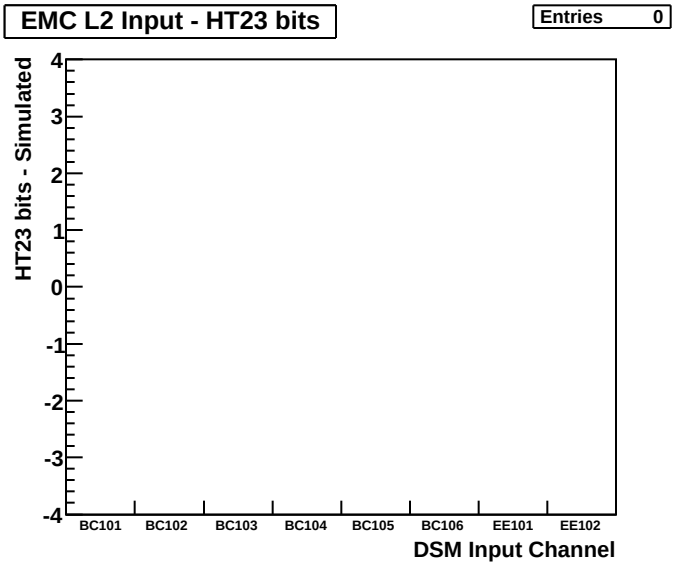

EMC L2 Input - Partial JP Sum
Entries 2857808
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

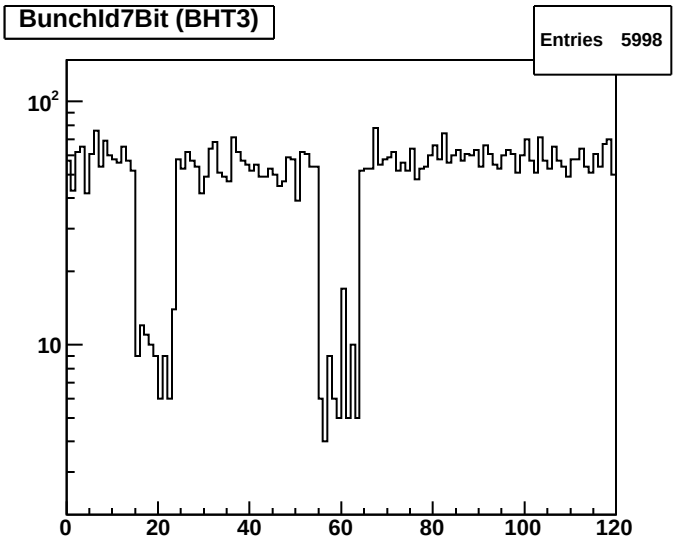

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

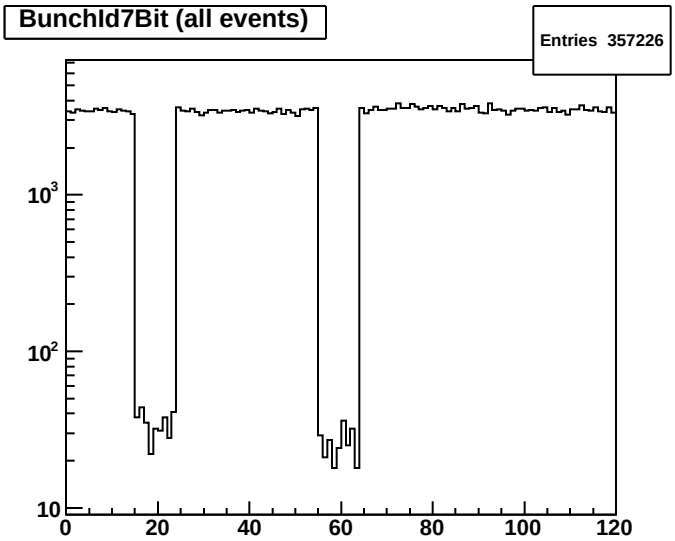

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2857808
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

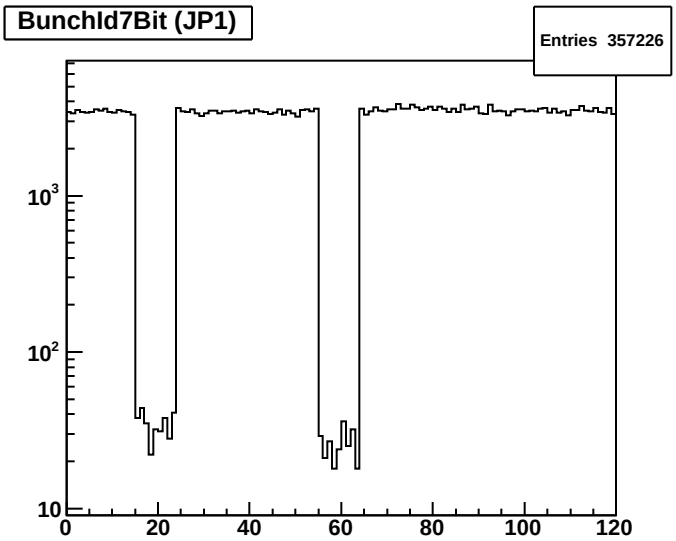

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

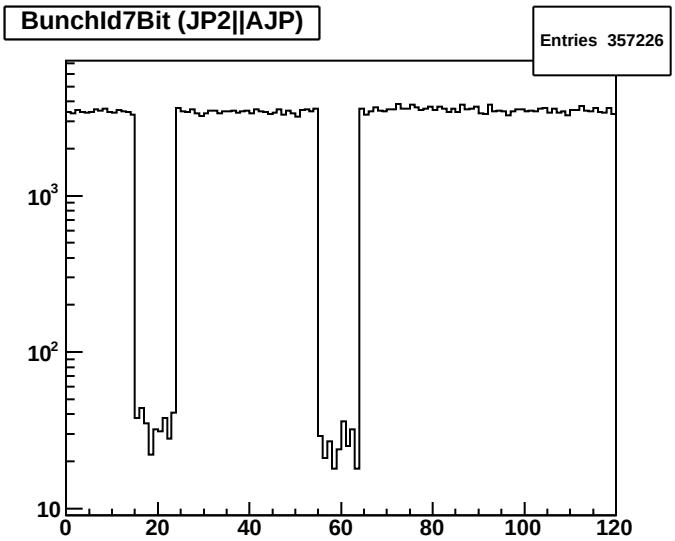

EMC L2 Input - HT23 bits
Entries 2857808
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

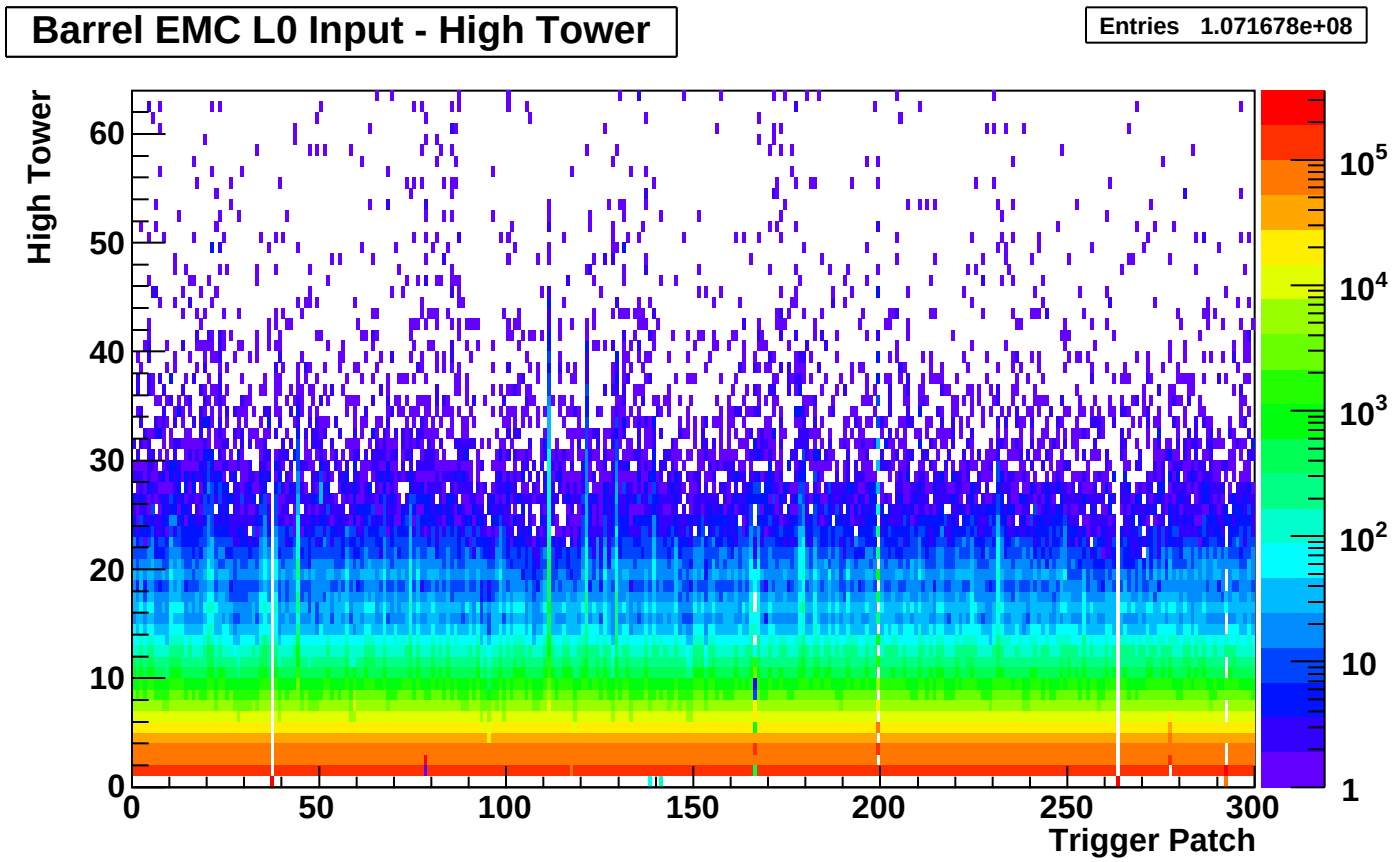

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

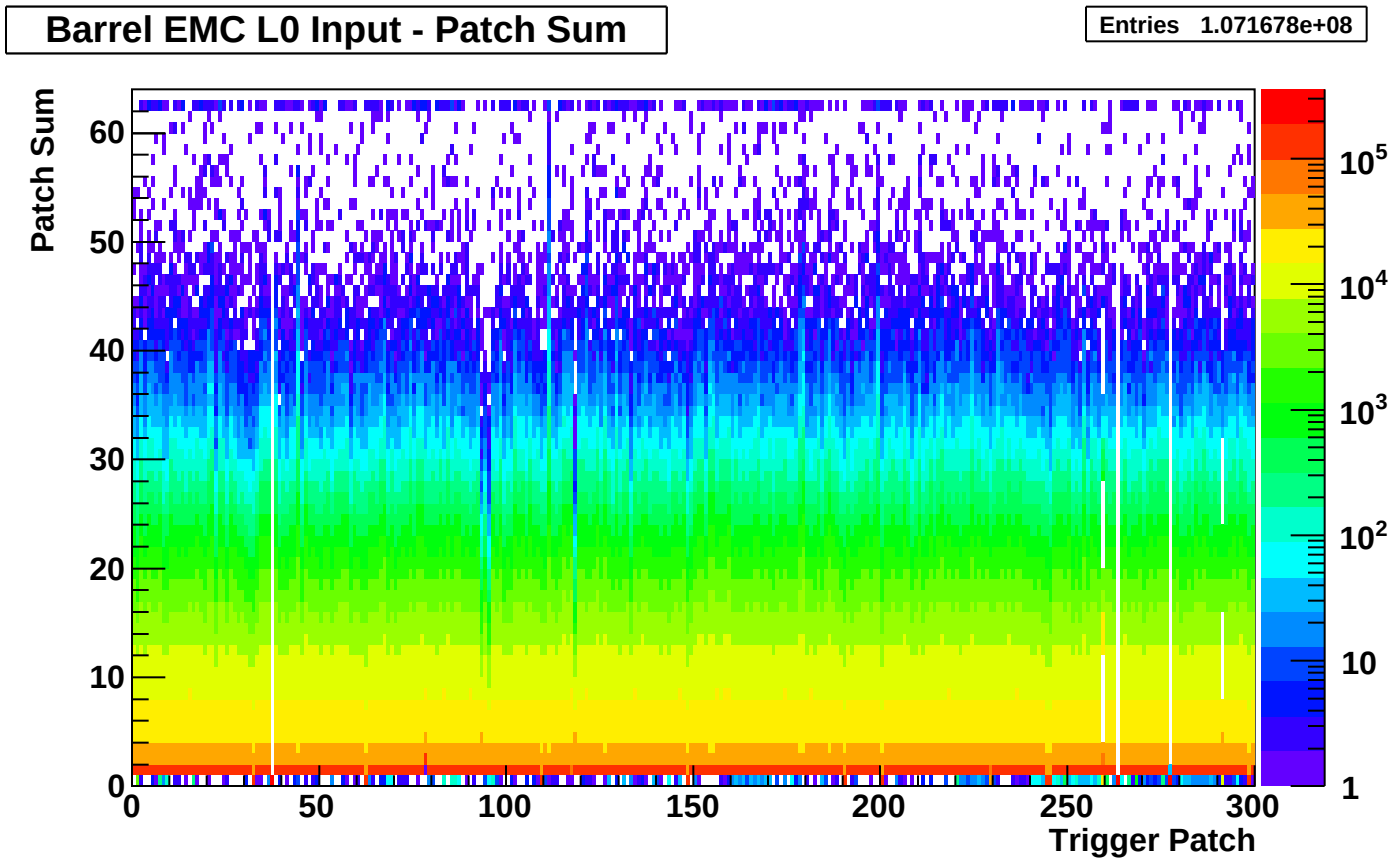

BunchId7Bit (BHT3)
Entries 5998
10^2
10
0
20
40
60
80
100
120

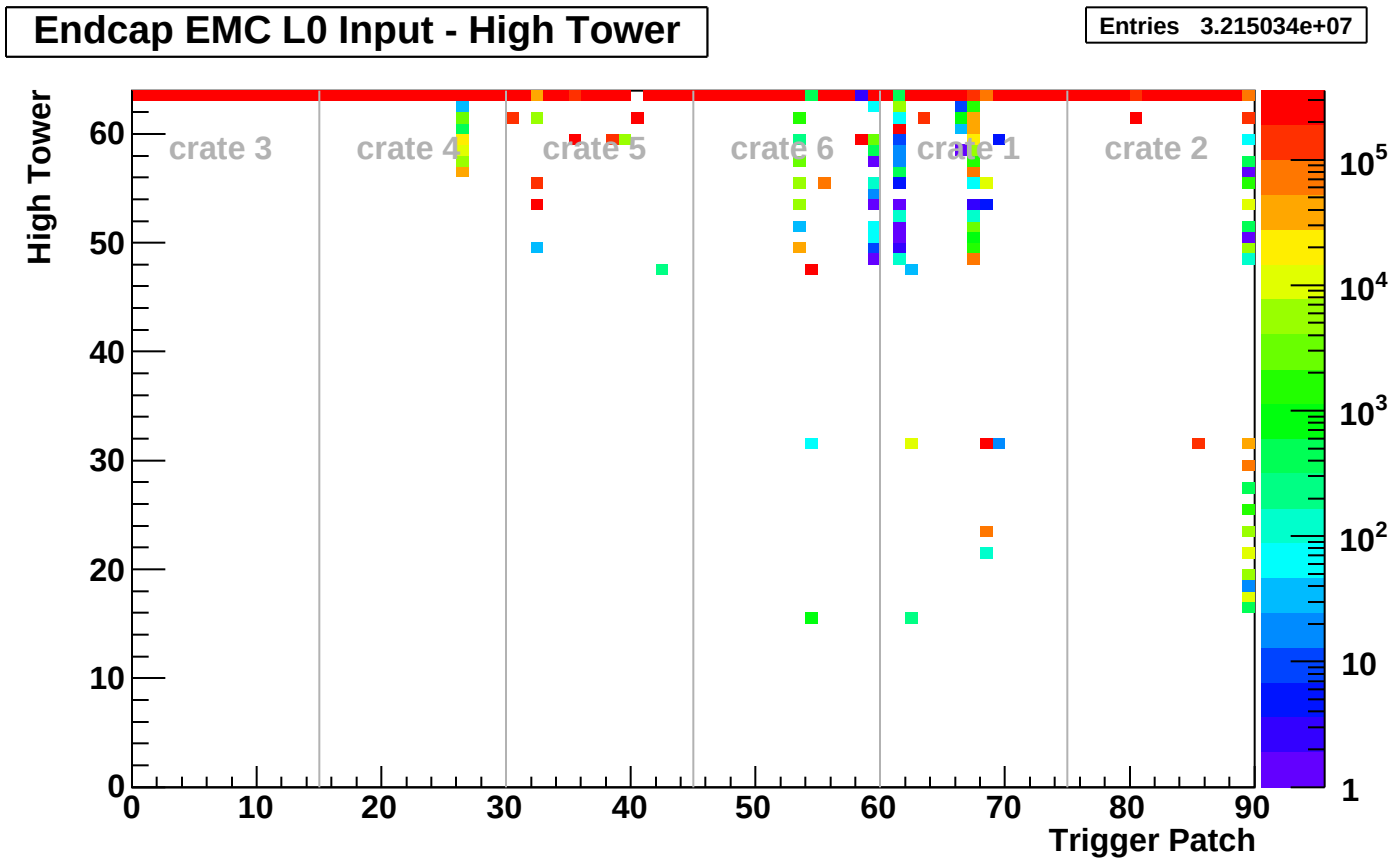

BunchId7Bit (all events)
Entries 357226
10^3
10^2
10
0
20
40
60
80
100
120

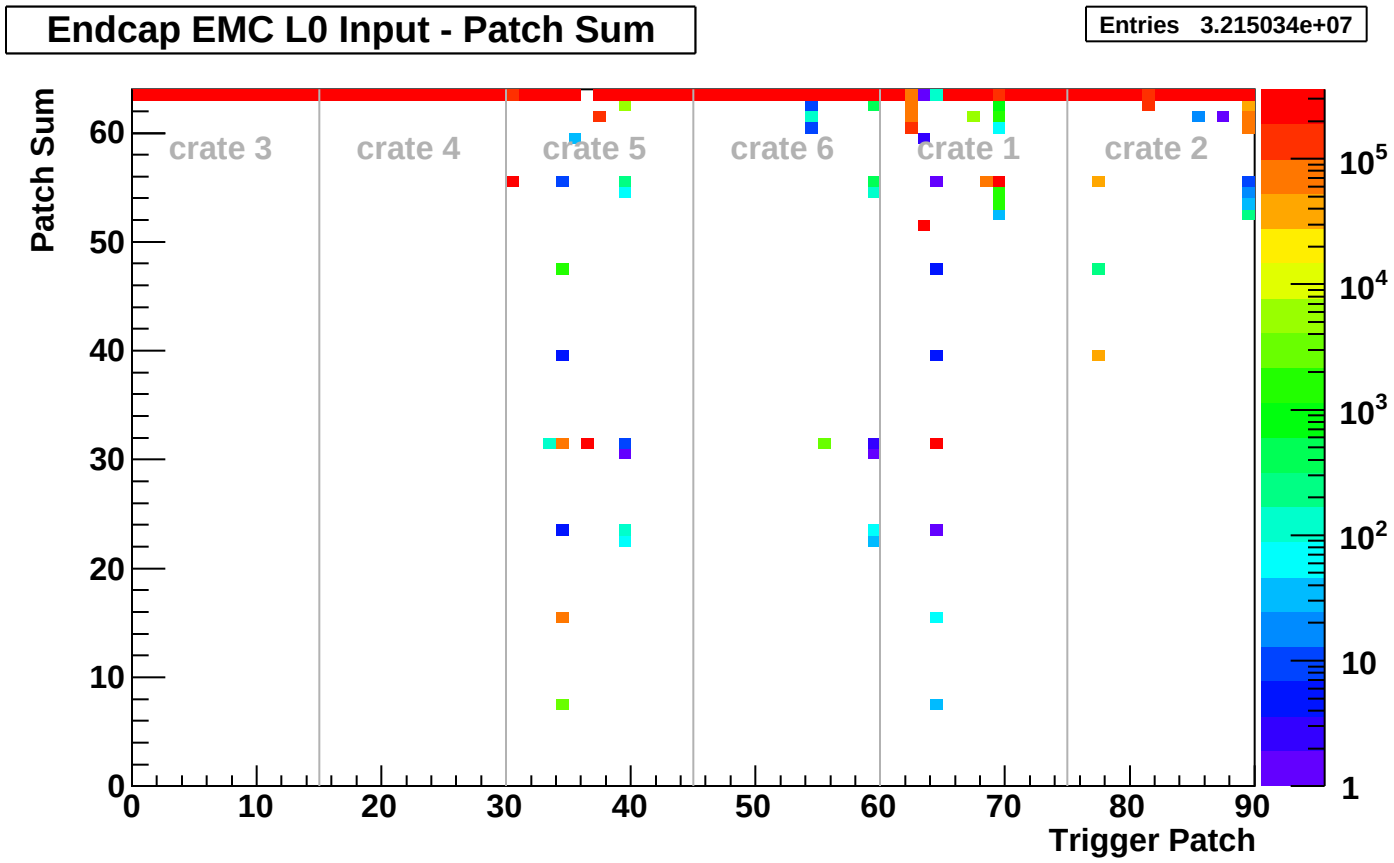

BunchId7Bit (JP1)
Entries 357226
10^3
10^2
10
0
20
40
60
80
100
120

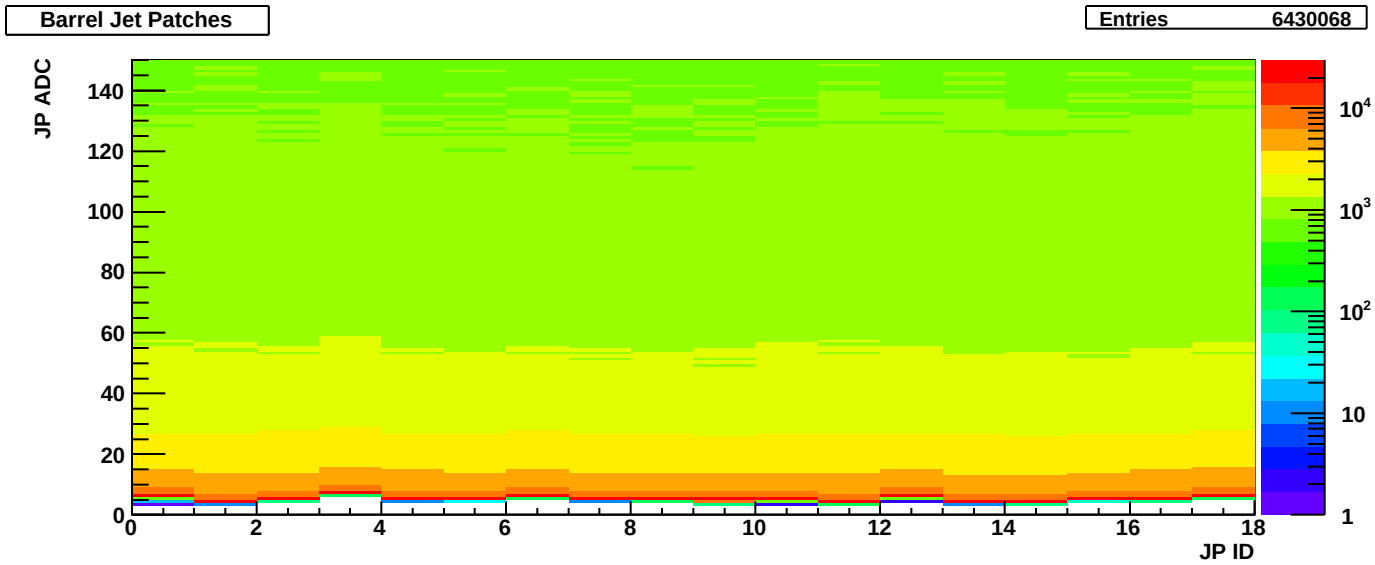

BunchId7Bit (JP2||AJP)
Entries 357226
10^3
10^2
10
0
20
40
60
80
100
120

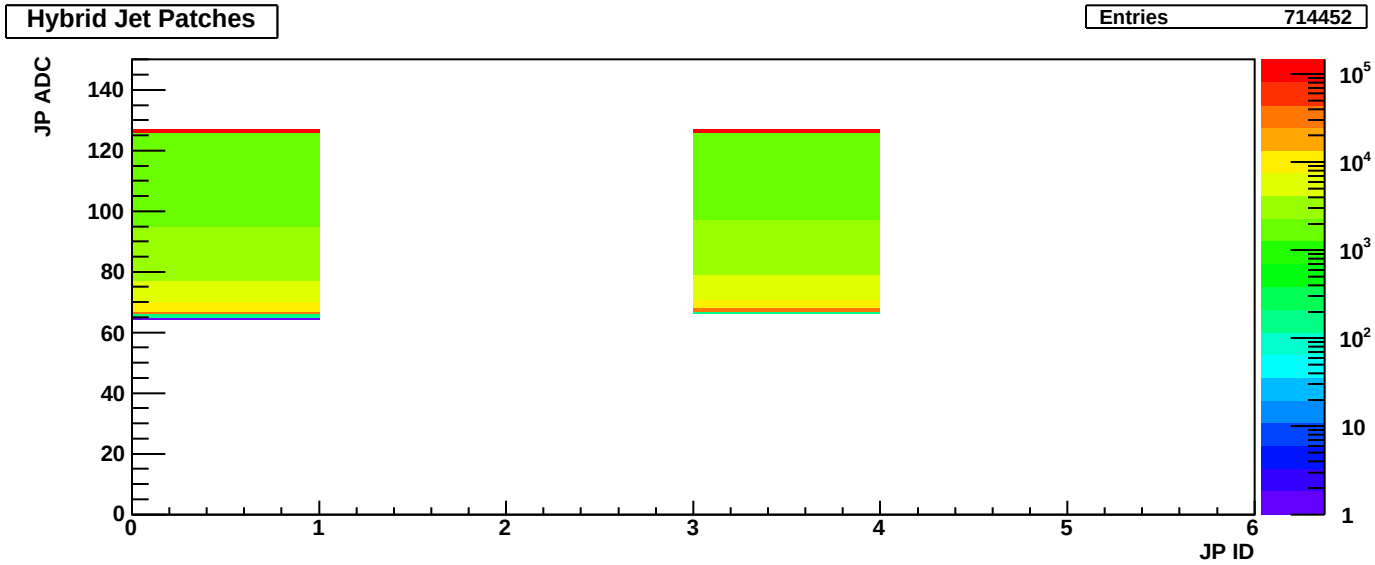

Barrel EMC L0 Input - High Tower
Entries 1.071678e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

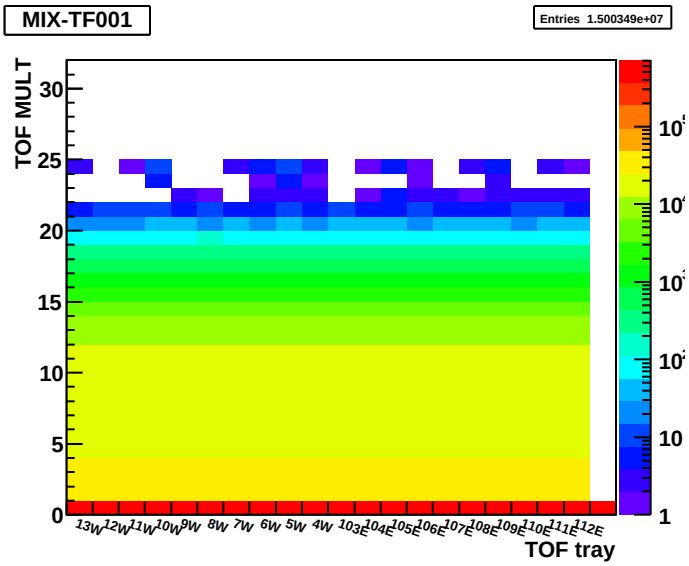

Barrel EMC L0 Input - Patch Sum
Entries 1.071678e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

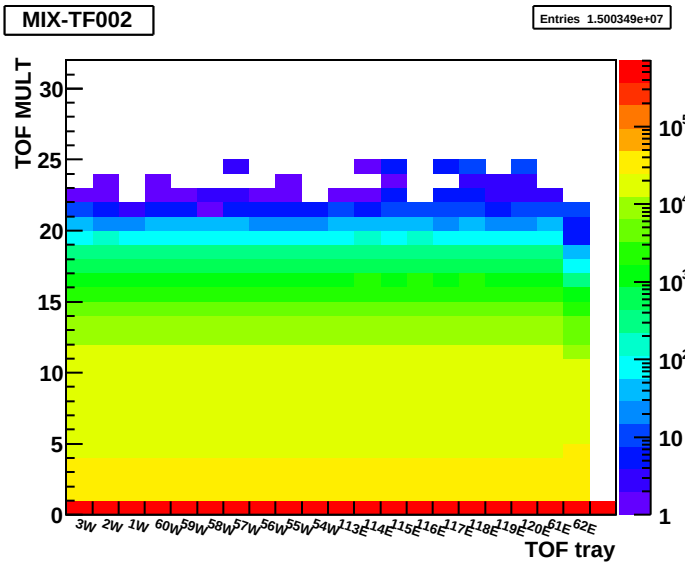

Endcap EMC L0 Input - High Tower
Entries 3.215034e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

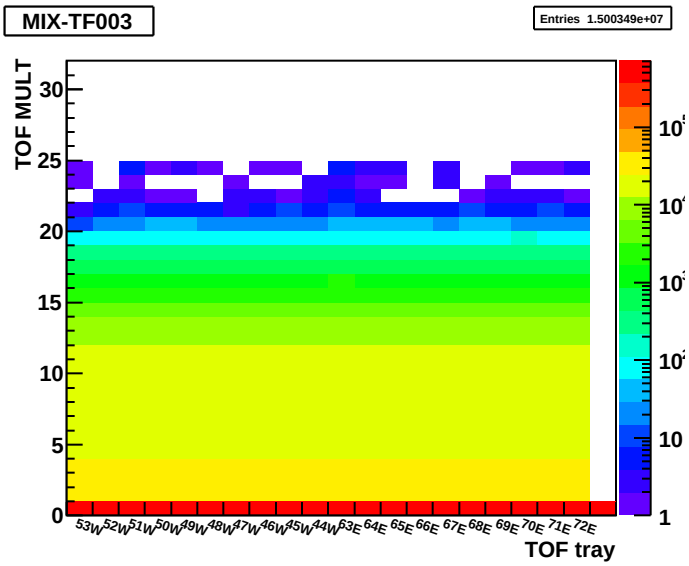

Endcap EMC L0 Input - Patch Sum
Entries 3.215034e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

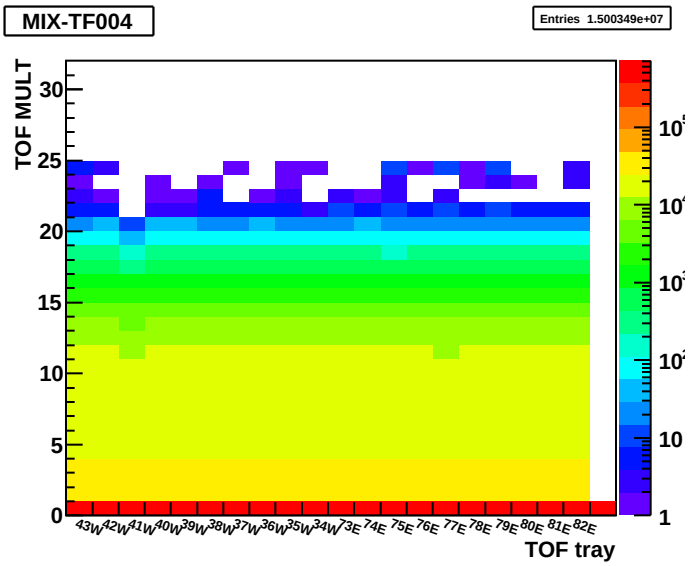

Barrel Jet Patches
Entries 6430068
JP ADC
JP ID

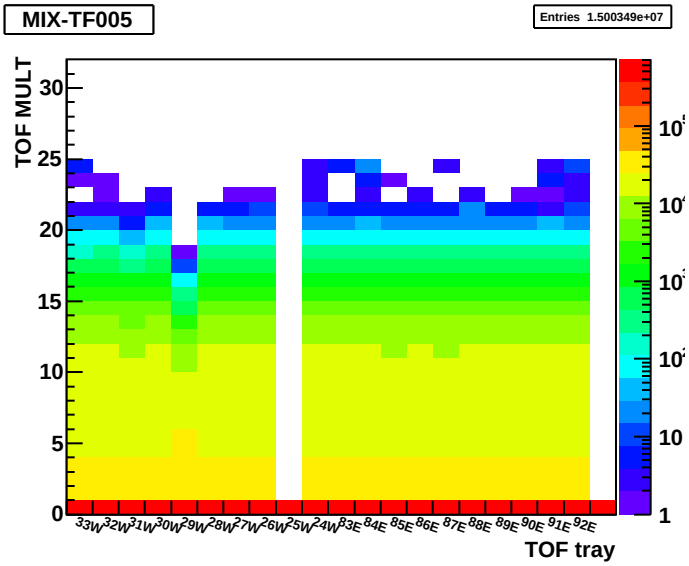

Hybrid Jet Patches
Entries 714452
JP ADC
JP ID

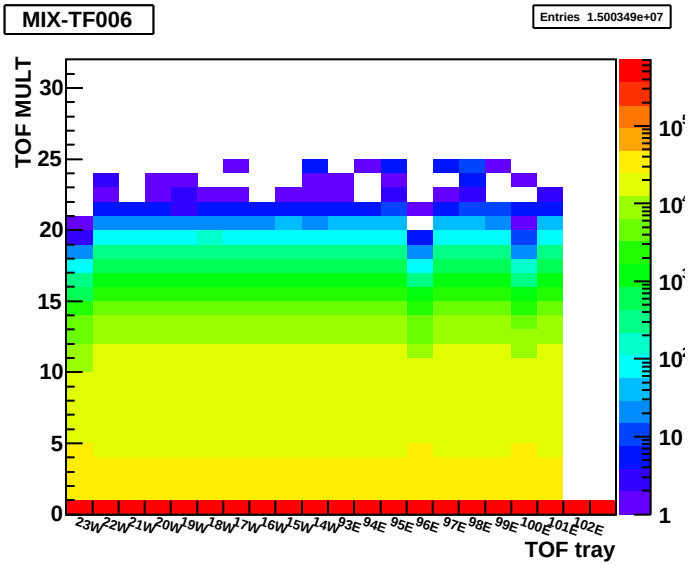

MIX-TF001
Entries 1.500349e+07
TOF MULT
TOF tray

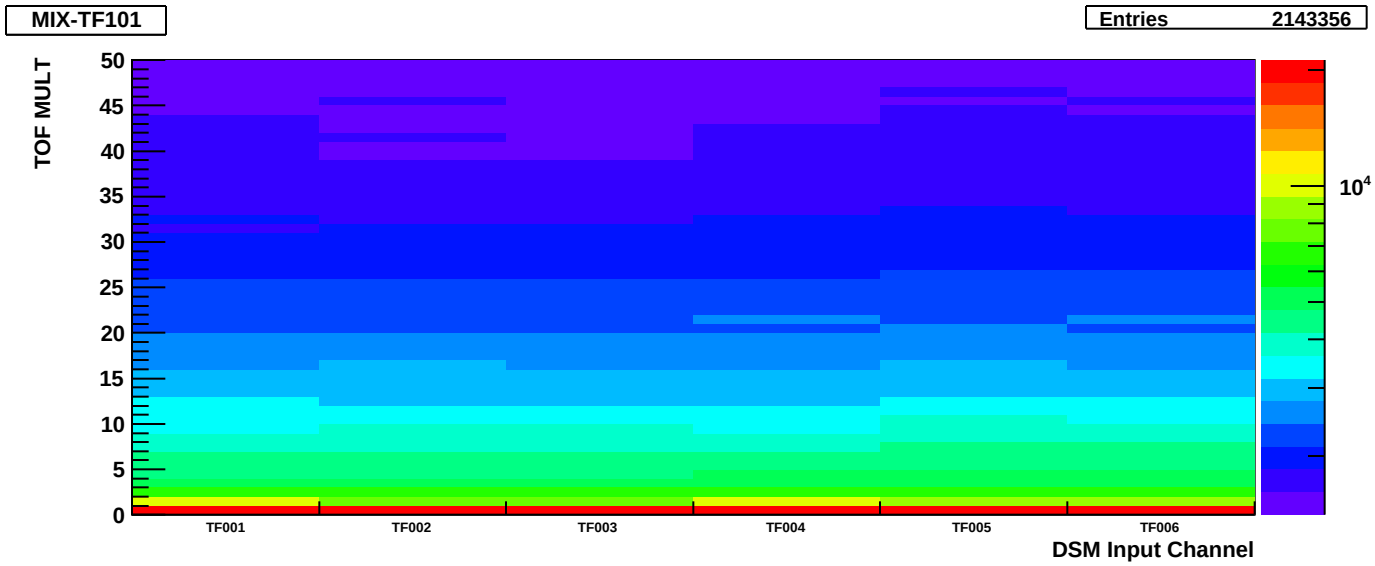

MIX-TF002
Entries 1.500349e+07
TOF MULT
TOF tray

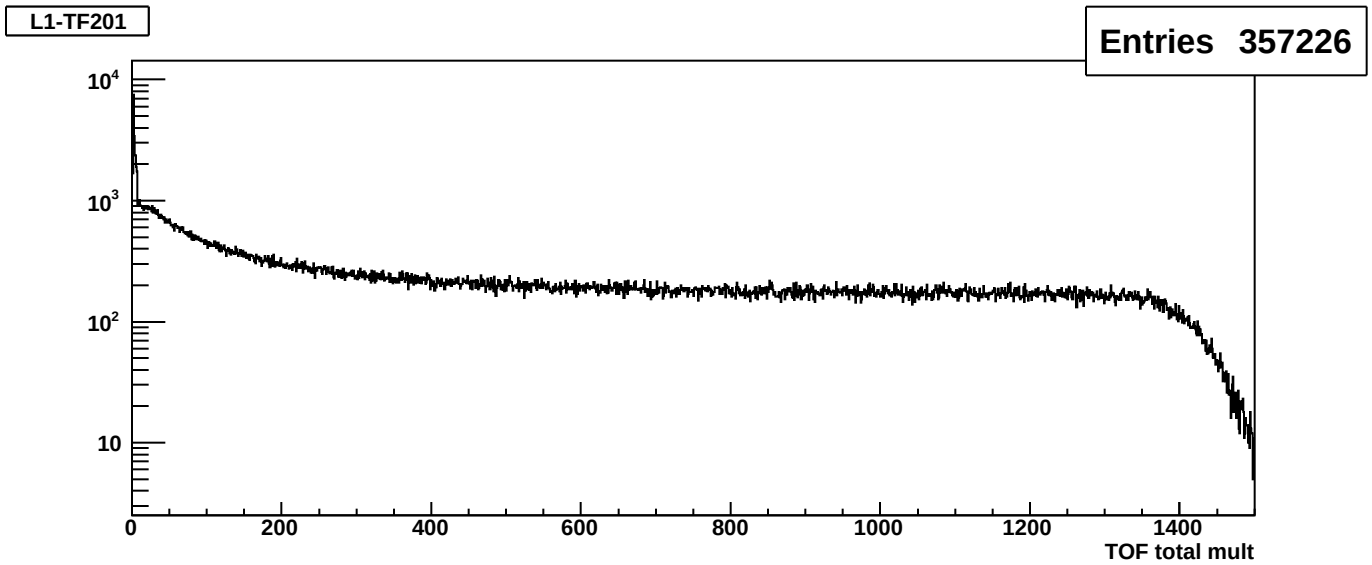

MIX-TF003
Entries 1.500349e+07
TOF MULT
TOF tray

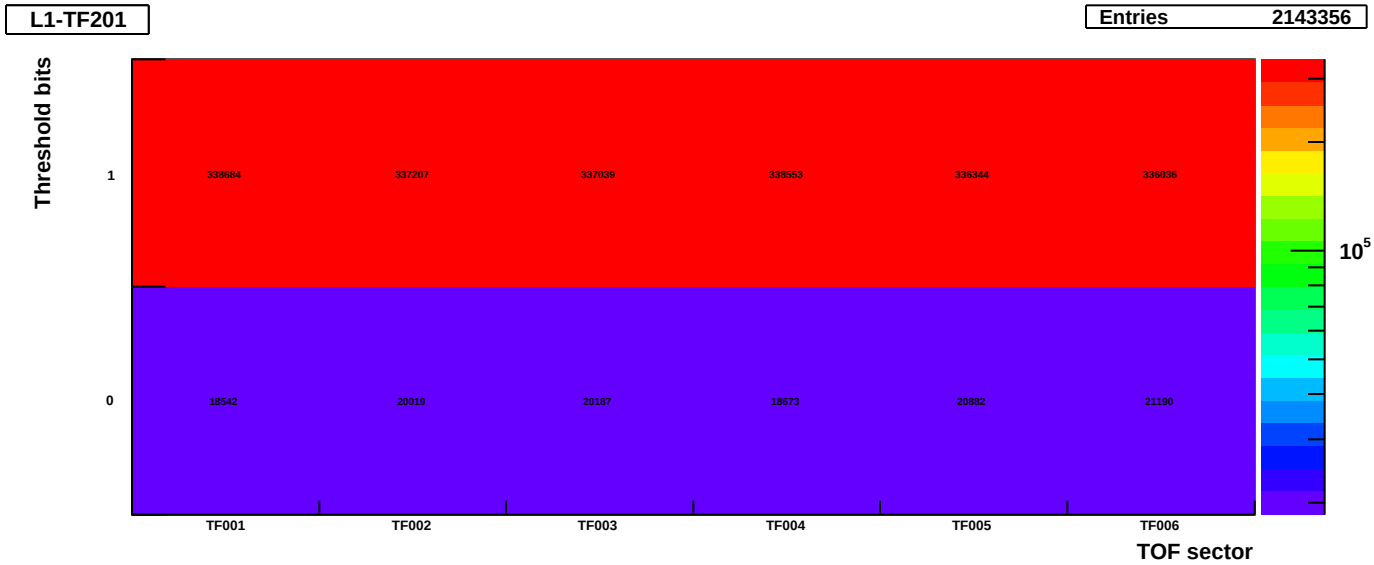

MIX-TF004
Entries 1.500349e+07
TOF MULT
TOF tray

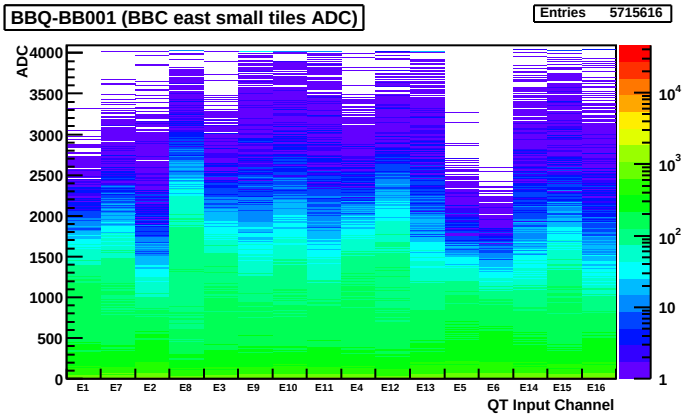

MIX-TF005
Entries 1.500349e+07
TOF MULT
TOF tray

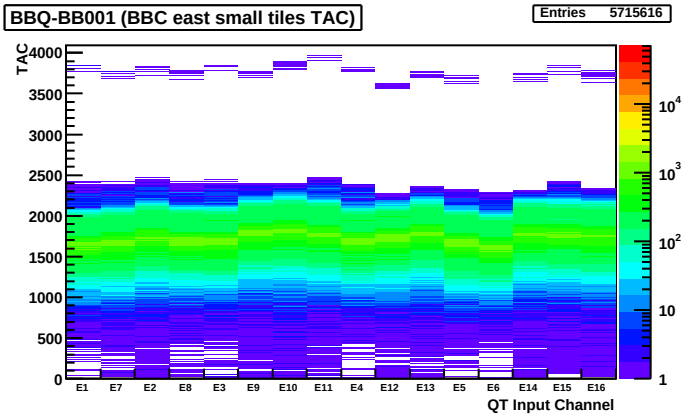

MIX-TF006
Entries 1.500349e+07
TOF MULT
TOF tray

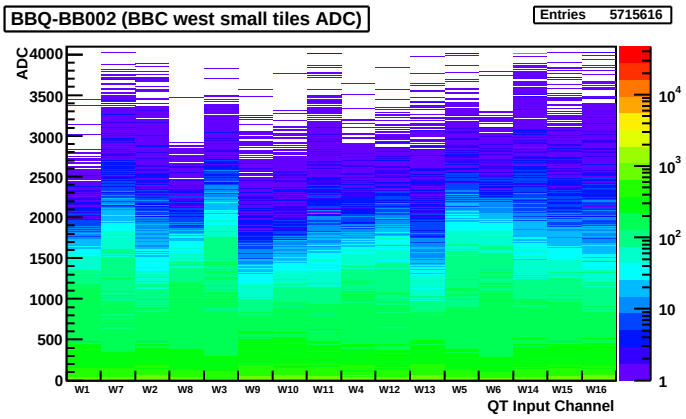

MIX-TF101
Entries 2143356
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

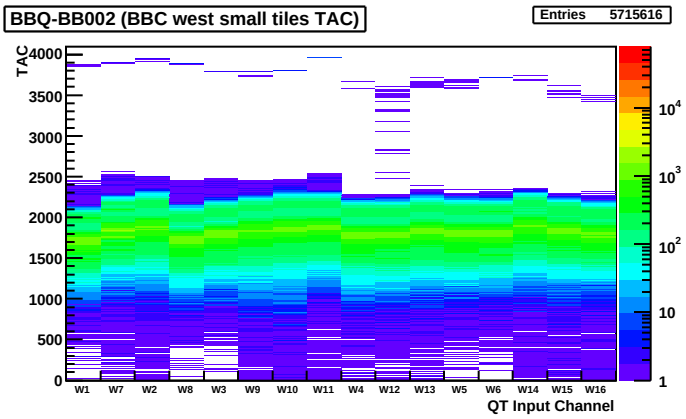

L1-TF201
Entries 357226
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

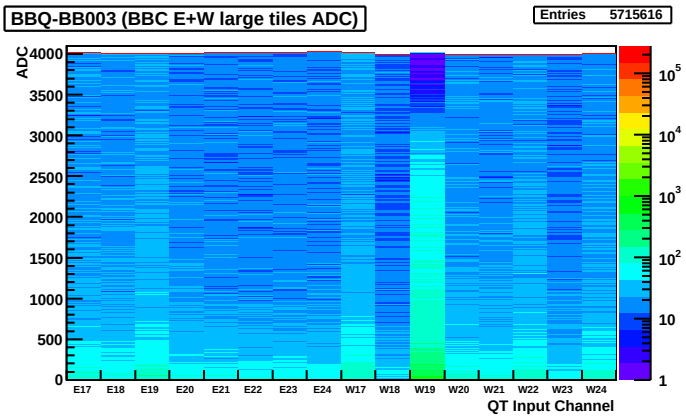

L1-TF201
Entries 2143356
Threshold bits
1
0
338684
337207
337039
338553
336344
336036
18542
20019
20187
18673
20882
21190
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

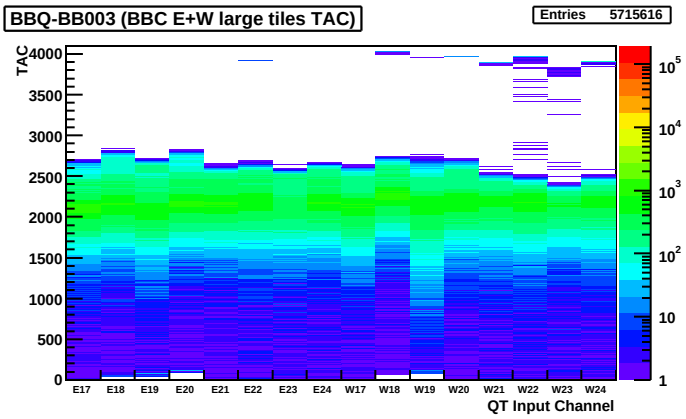

BBQ-BB001 (BBC east small tiles ADC)
Entries 5715616
ADC
QT Input Channel

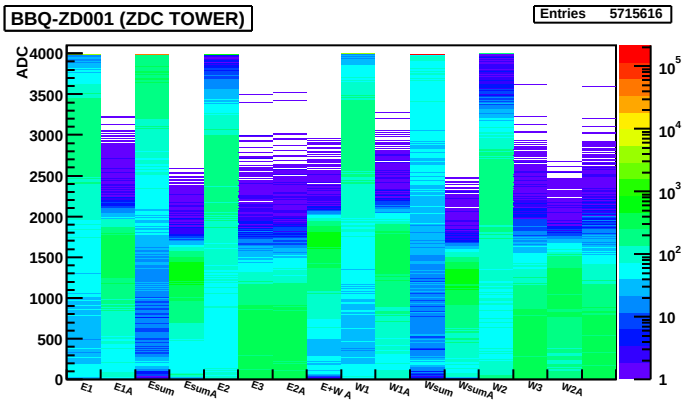

BBQ-BB001 (BBC east small tiles TAC)
Entries 5715616
TAC
QT Input Channel

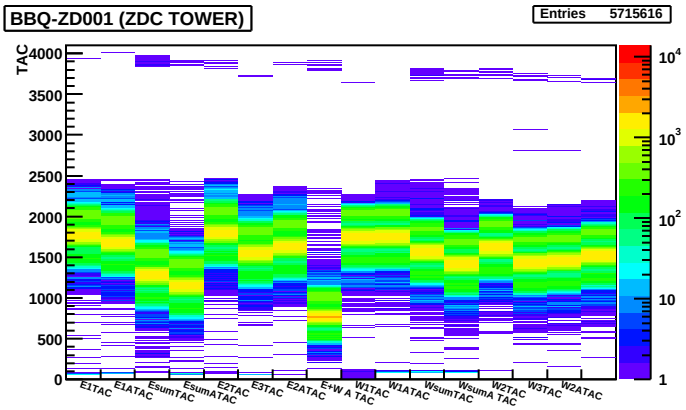

BBQ-BB002 (BBC west small tiles ADC)
Entries 5715616
ADC
QT Input Channel

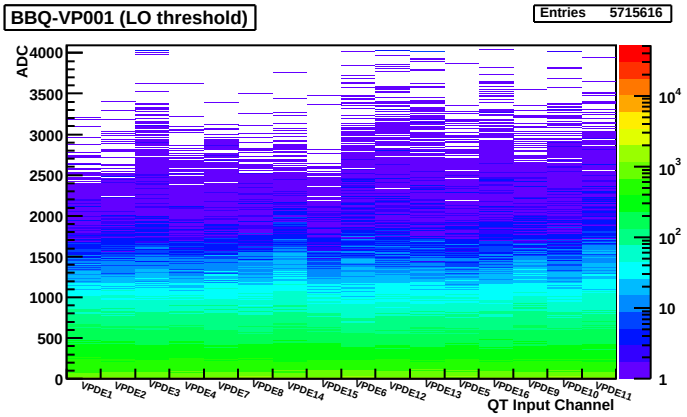

BBQ-BB002 (BBC west small tiles TAC)
Entries 5715616
TAC
QT Input Channel

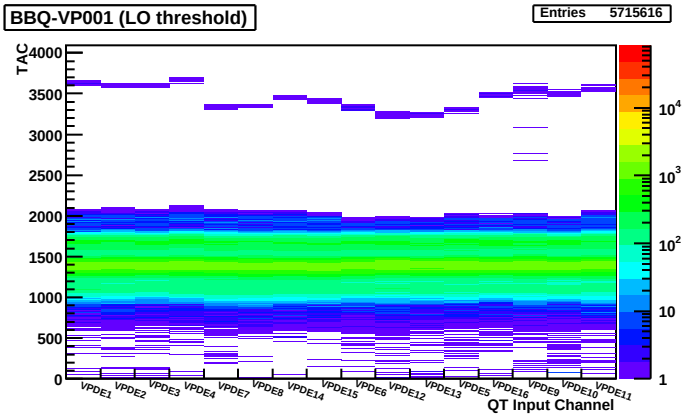

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5715616
ADC
QT Input Channel

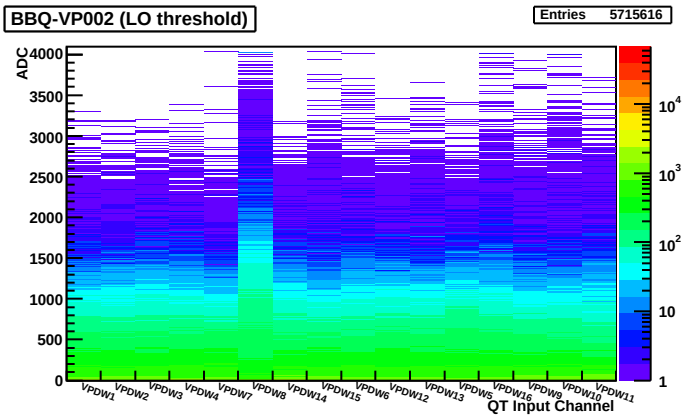

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5715616
TAC
QT Input Channel

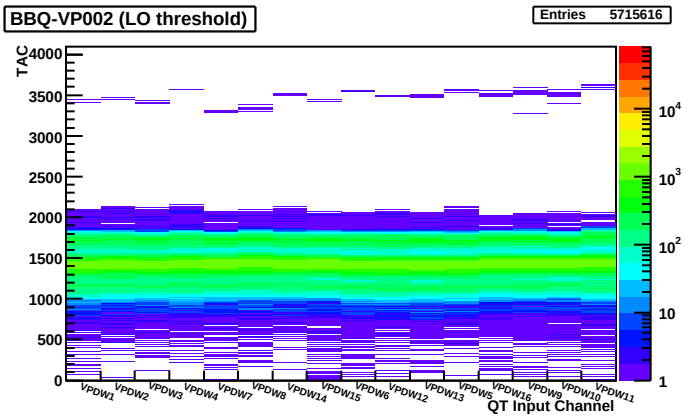

BBQ-ZD001 (ZDC TOWER)
Entries 5715616
ADC

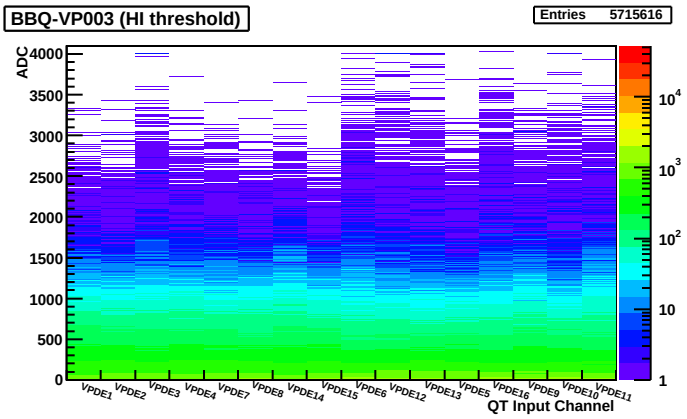

BBQ-ZD001 (ZDC TOWER)
Entries 5715616
TAC

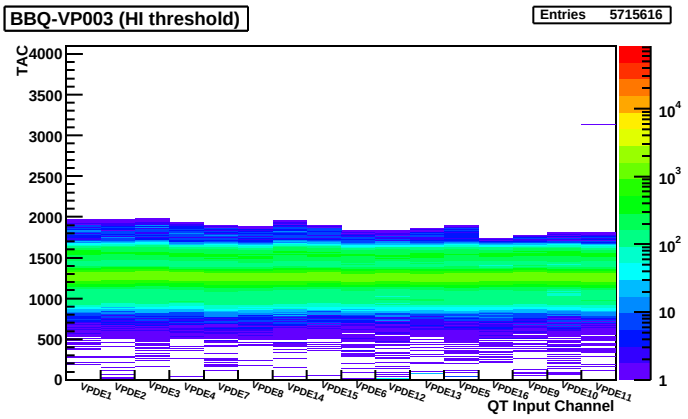

BBQ-VP001 (LO threshold)
Entries 5715616
ADC
QT Input Channel

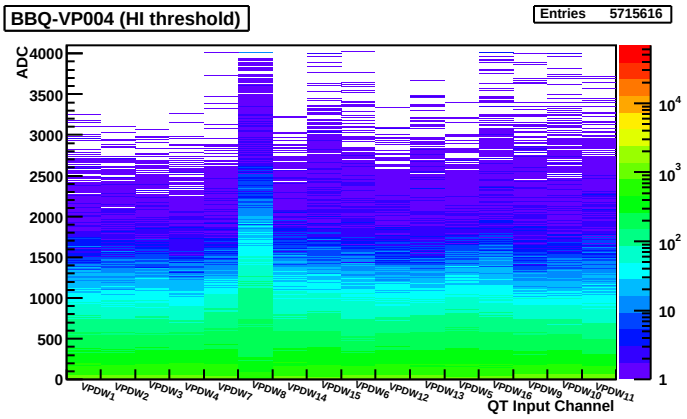

BBQ-VP001 (LO threshold)
Entries 5715616
TAC
QT Input Channel

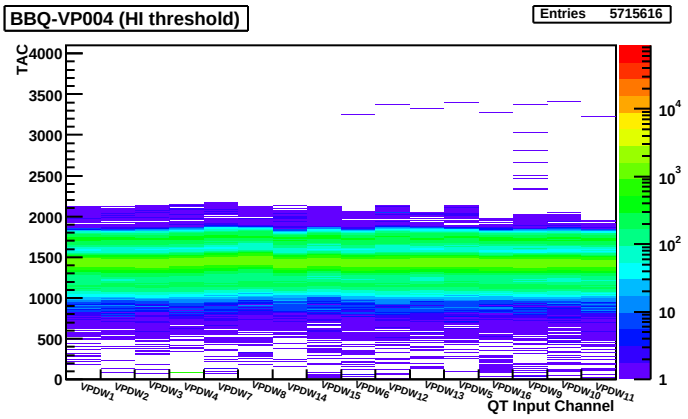

BBQ-VP002 (LO threshold)
Entries 5715616
ADC
QT Input Channel

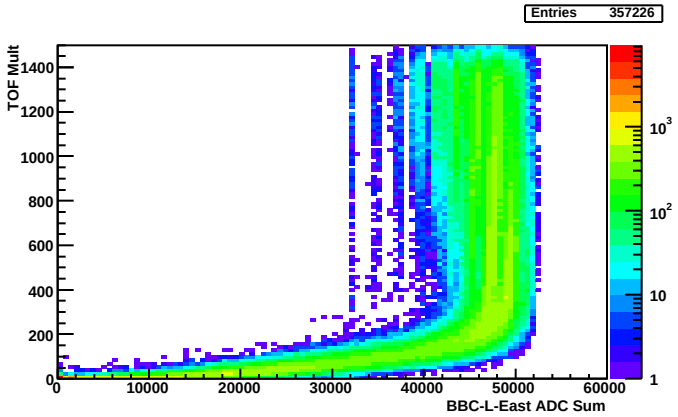

BBQ-VP002 (LO threshold)
Entries 5715616
TAC
QT Input Channel

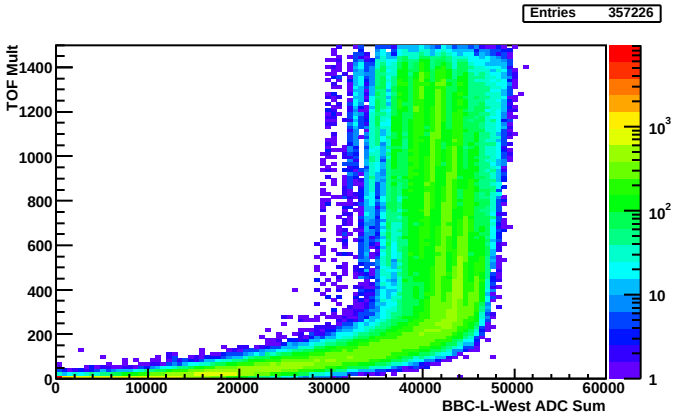

BBQ-VP003 (HI threshold)
Entries 5715616
ADC
QT Input Channel

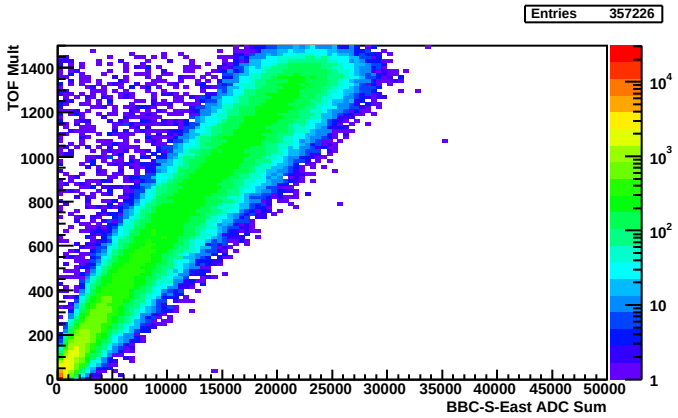

BBQ-VP003 (HI threshold)
Entries 5715616
TAC
QT Input Channel

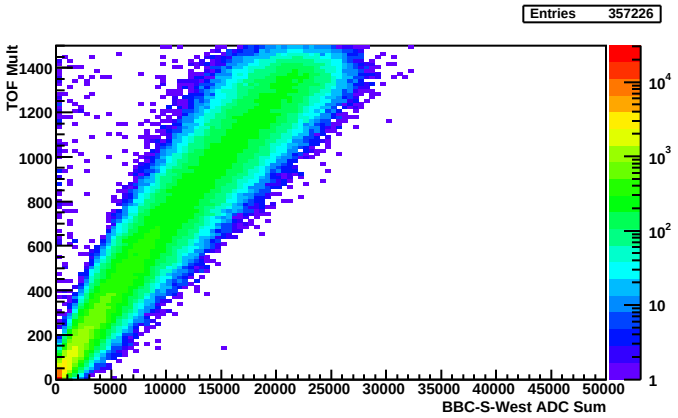

BBQ-VP004 (HI threshold)
Entries 5715616
ADC
QT Input Channel

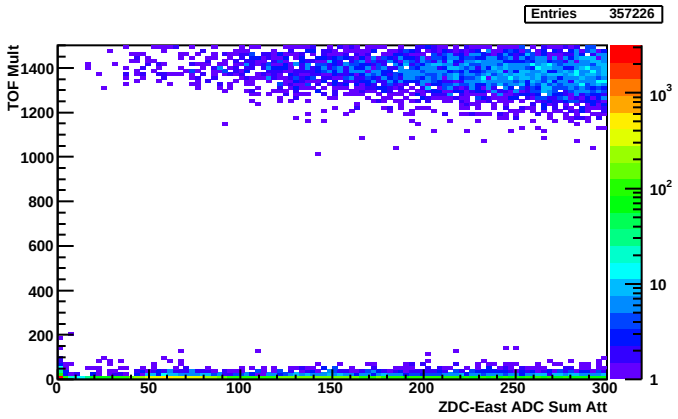

BBQ-VP004 (HI threshold)
Entries 5715616
TAC
QT Input Channel

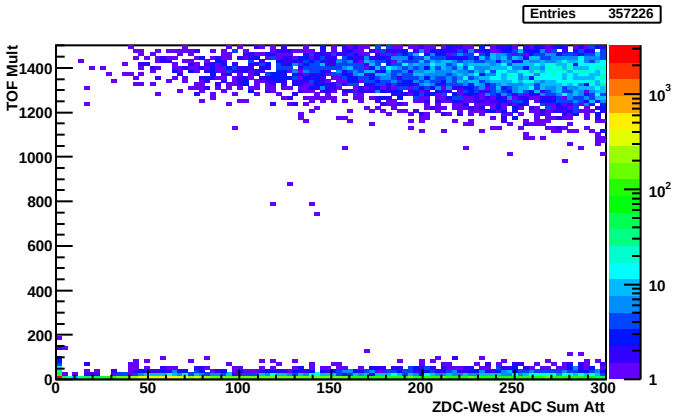

Entries 357226
TOF Mult
BBC-L-East ADC Sum

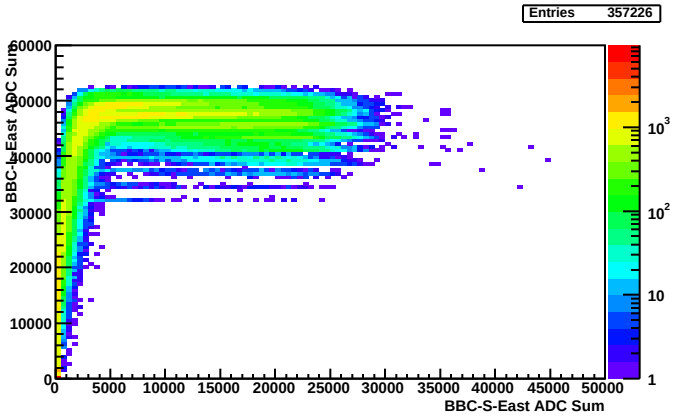

Entries 357226
TOF Mult
BBC-L-West ADC Sum

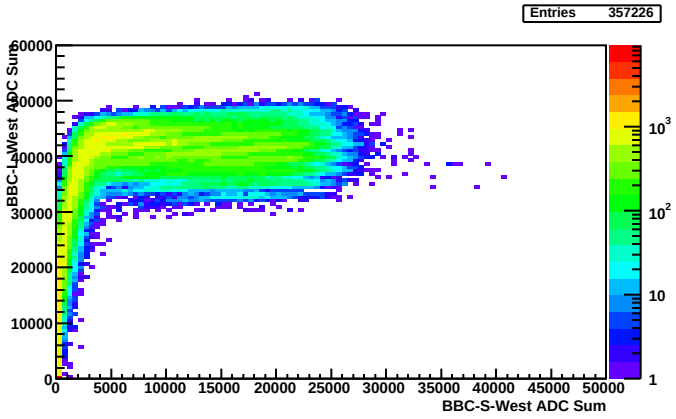

Entries 357226
TOF Mult
BBC-S-East ADC Sum

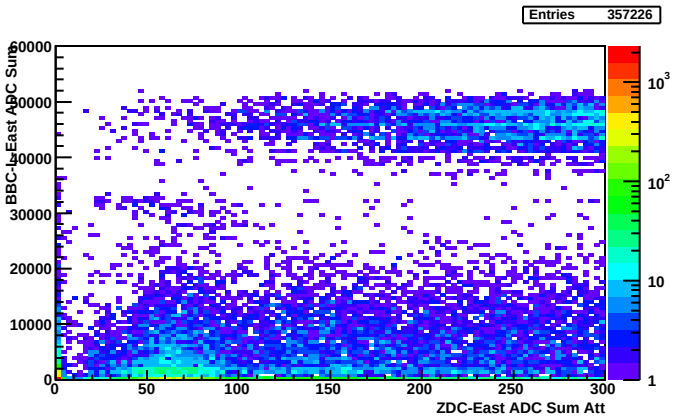

Entries 357226
TOF Mult
BBC-S-West ADC Sum

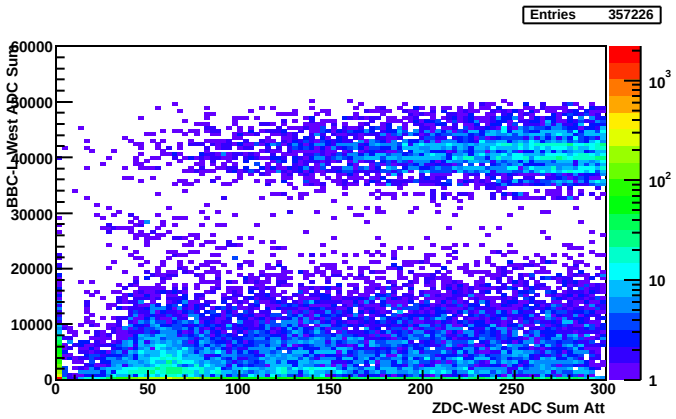

Entries 357226
TOF Mult
ZDC-East ADC Sum Att

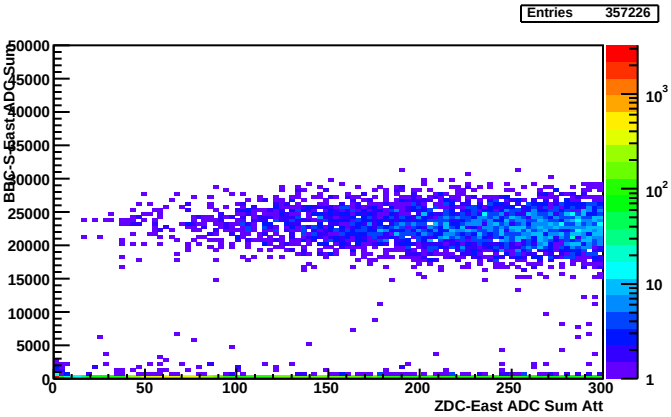

Entries 357226
TOF Mult
ZDC-West ADC Sum Att

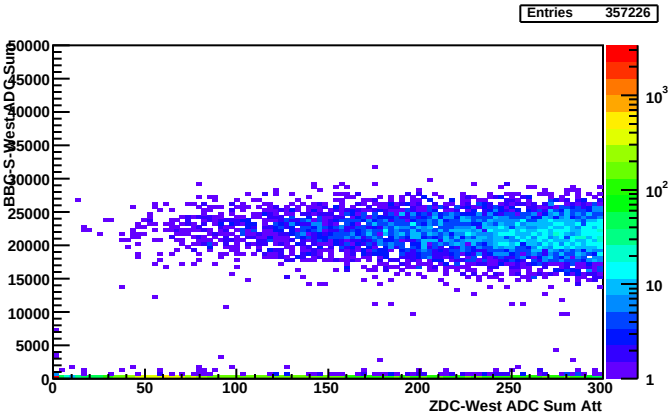

Entries 357226
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 357226
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 357226
BBC-L-East ADC Sum
ZDC-East ADC Sum Att


Entries 357226
BBC-L-West ADC Sum
ZDC-West ADC Sum Att


Entries 357226
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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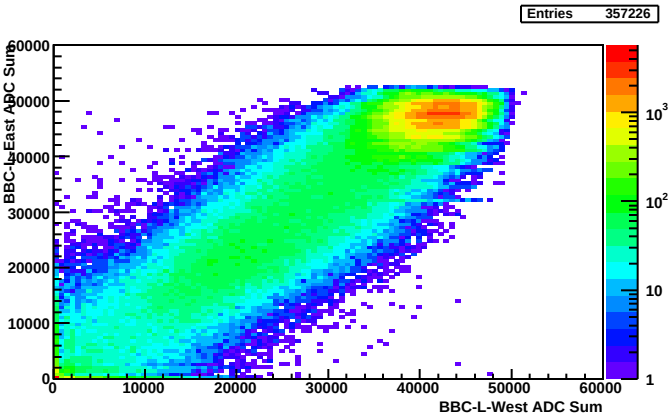
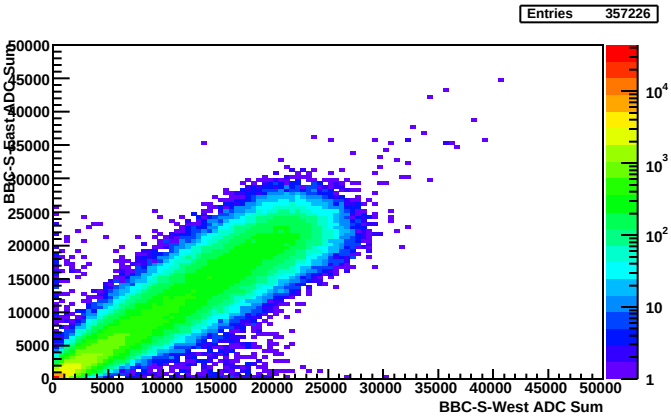
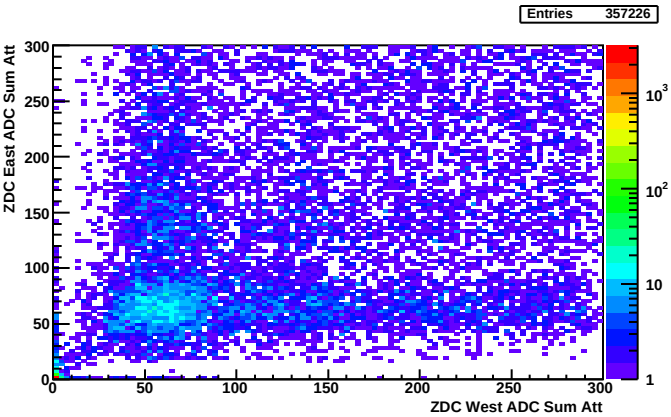
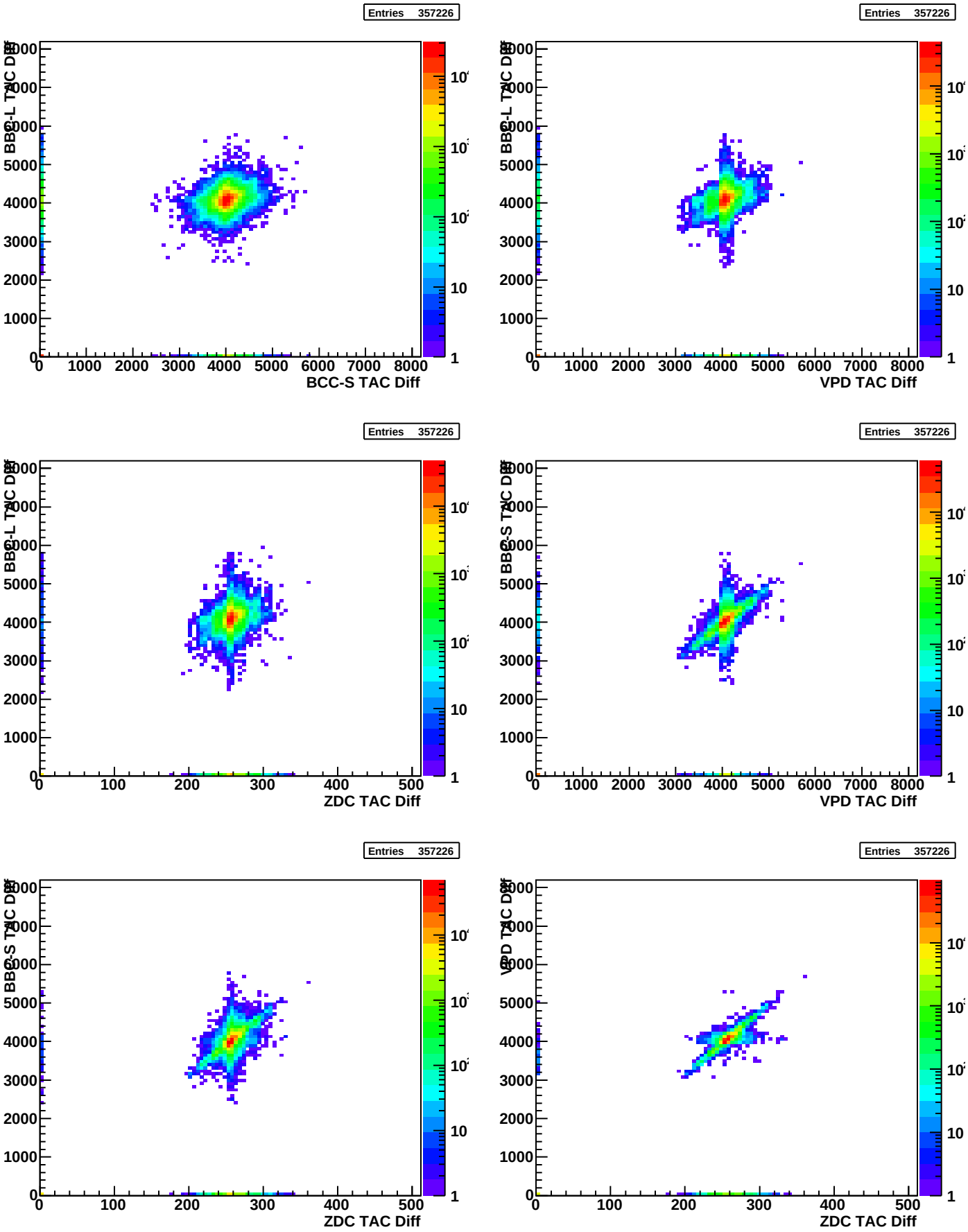
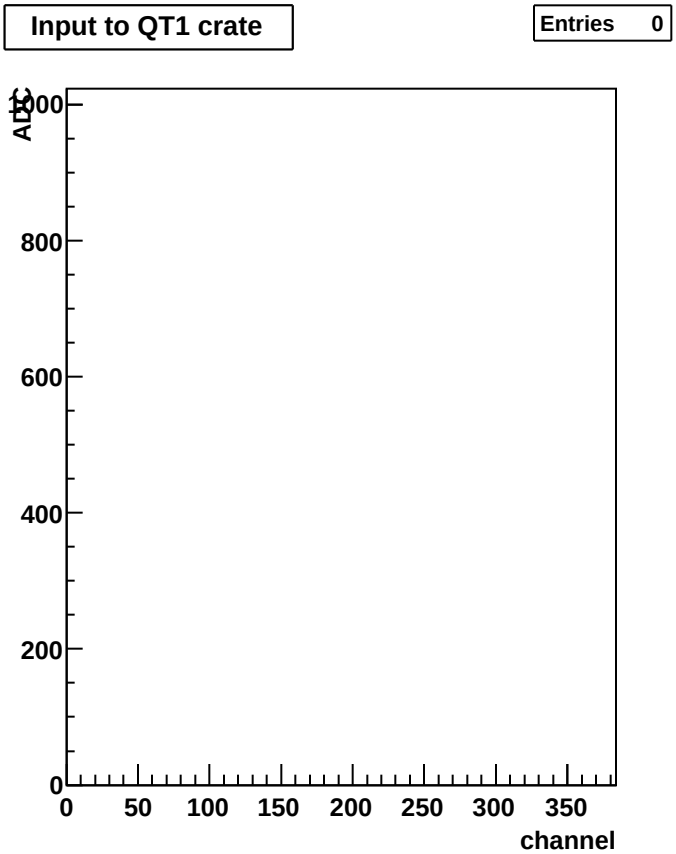
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

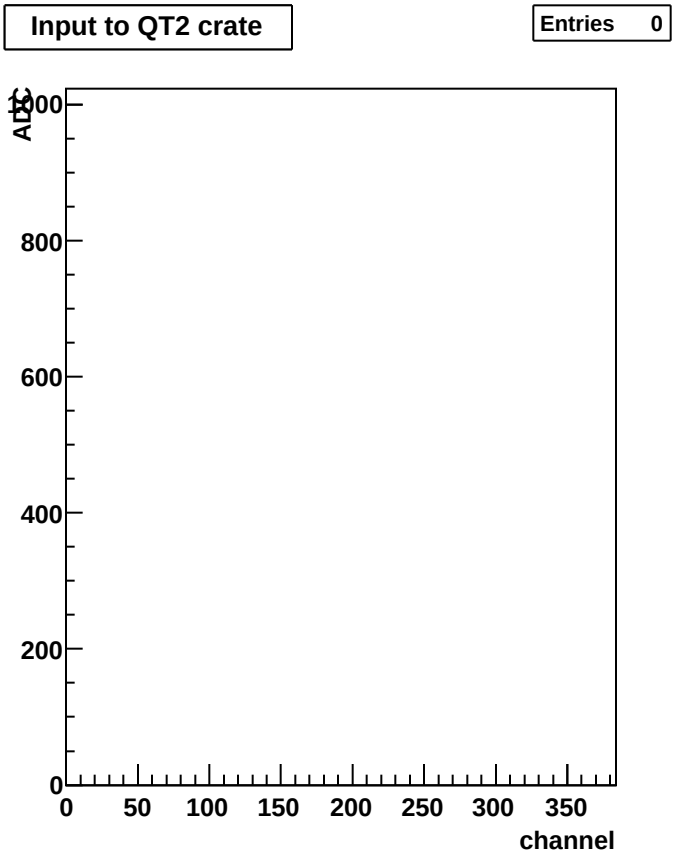

Entries 357226
BBC-L-East ADC Sum
BBC-L-West ADC Sum

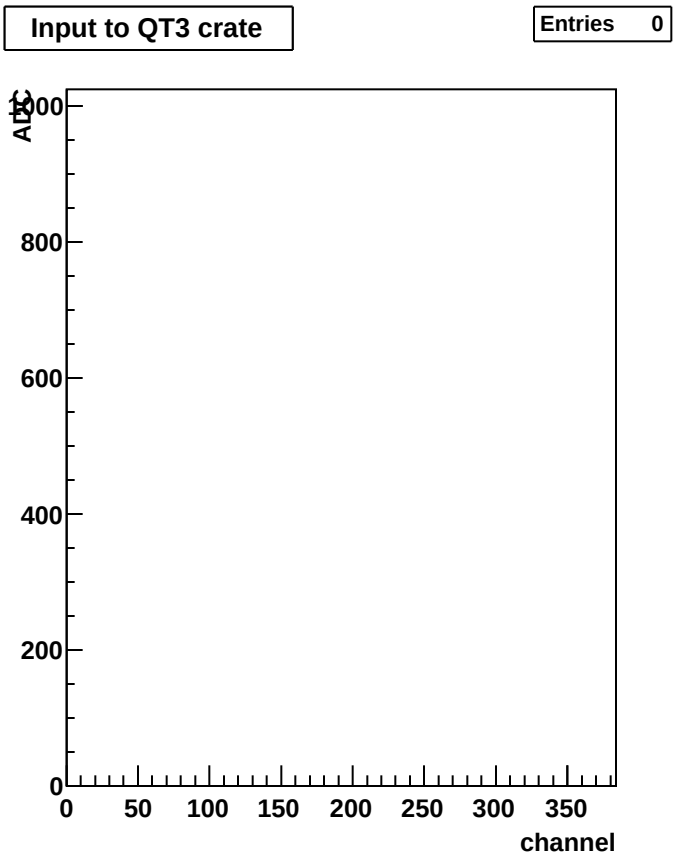

Entries 357226
BBC-S-East ADC Sum
BBC-S-West ADC Sum

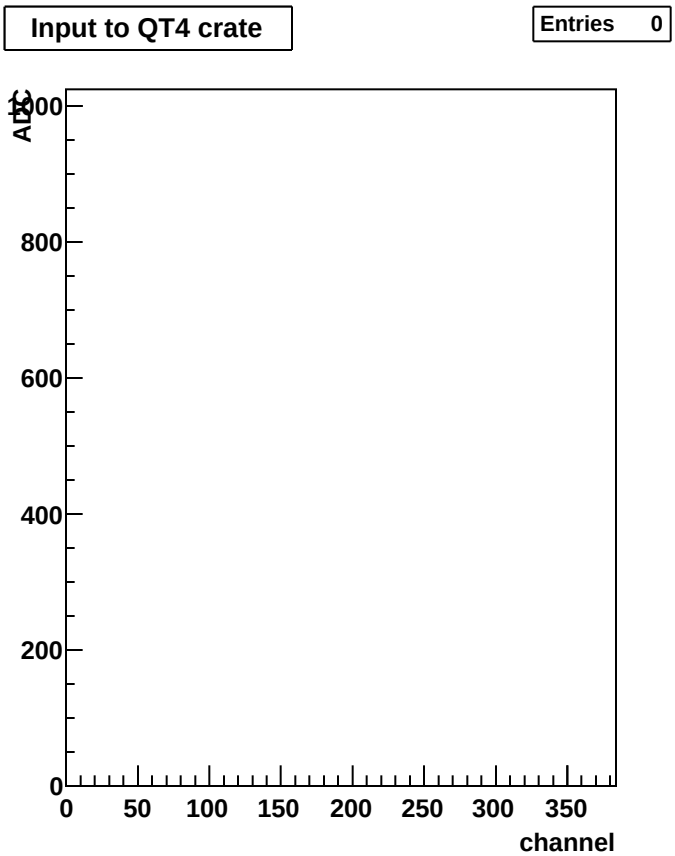

Entries 357226
ZDC East ADC Sum Att
ZDC West ADC Sum Att

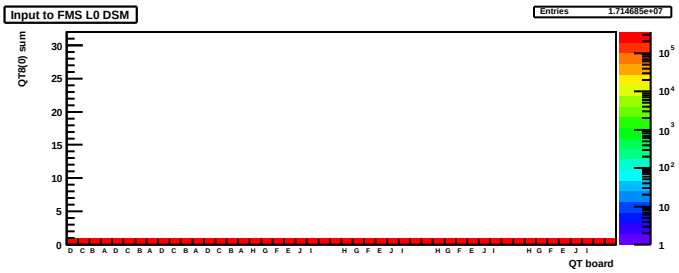

Entries 357226
BBC-L TAC Diff
BCC-S TAC Diff
Entries 357226
BBC-L TAC Diff
VPD TAC Diff
Entries 357226
BBC-L TAC Diff
ZDC TAC Diff
Entries 357226
BBC-S TAC Diff
VPD TAC Diff
Entries 357226
BBC-S TAC Diff
ZDC TAC Diff
Entries 357226
VPD TAC Diff
ZDC TAC Diff

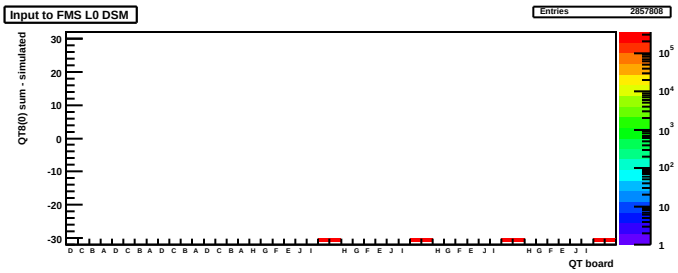

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

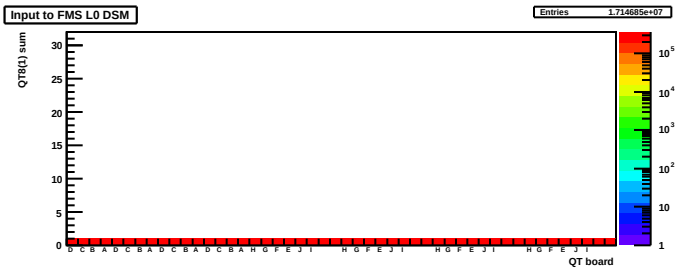

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

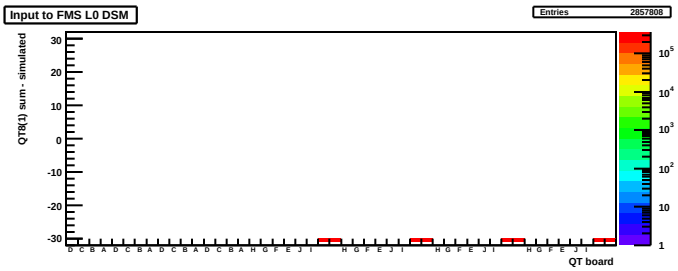

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

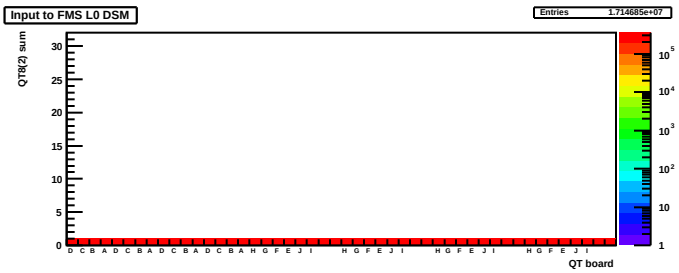

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

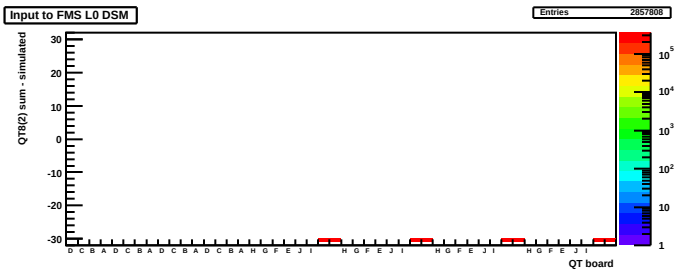

Input to FMS L0 DSM
Entries 1.714685e+07
QT8(0) sum
QT board

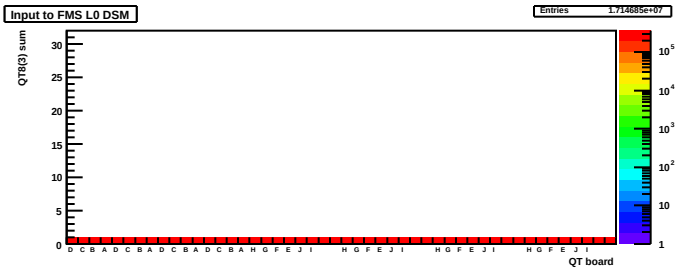

Input to FMS L0 DSM
Entries 2857808
QT8(0) sum - simulated
QT board

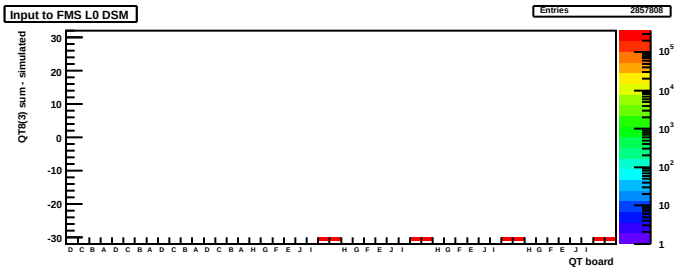

Input to FMS L0 DSM
Entries 1.714685e+07
QT8(1) sum
QT board

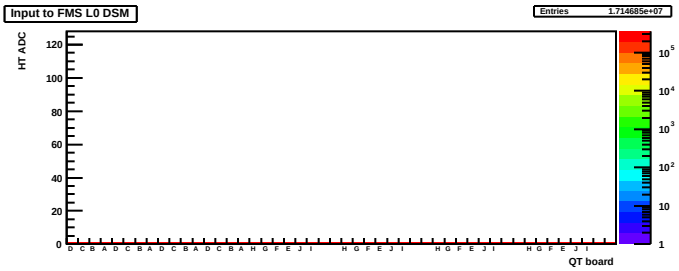

Input to FMS L0 DSM
Entries 2857808
QT8(1) sum - simulated
QT board

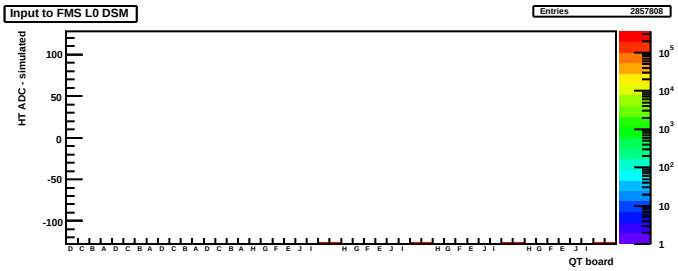

Input to FMS L0 DSM
Entries 1.714685e+07
QT8(2) sum
QT board

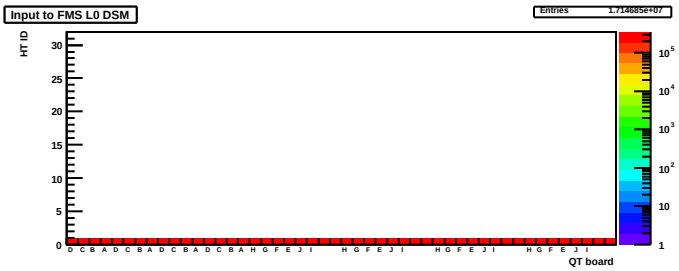

Input to FMS L0 DSM
Entries 2857808
QT8(2) sum - simulated
QT board

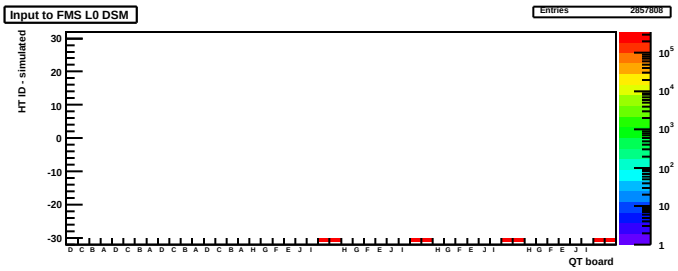

Input to FMS L0 DSM
Entries 1.714685e+07
QT8(3) sum
QT board

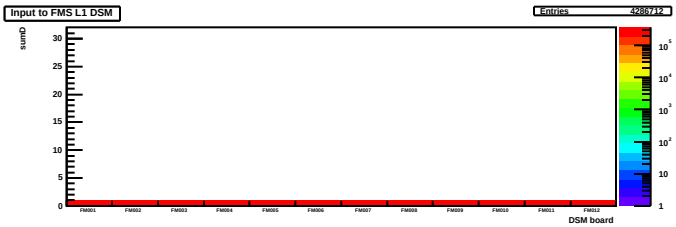

Input to FMS L0 DSM
Entries 2857808
QT8(3) sum - simulated
QT board

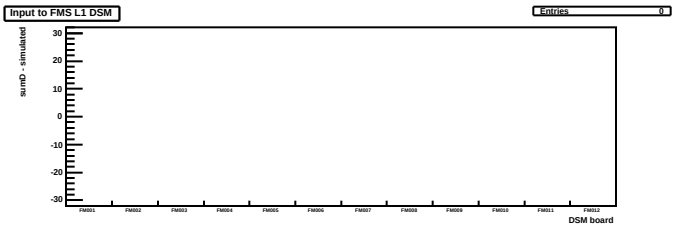

Input to FMS L0 DSM
Entries 1.714685e+07
HT ADC
QT board

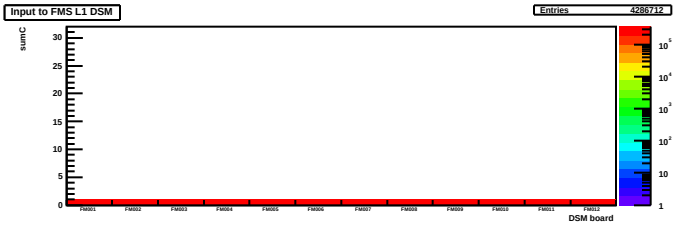

Input to FMS L0 DSM
Entries 2857808
HT ADC - simulated
QT board

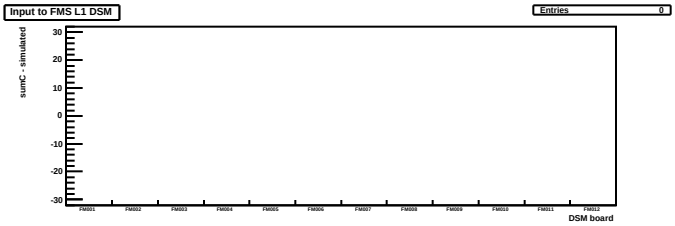

Input to FMS L0 DSM
Entries 1.714685e+07
HT ID
QT board

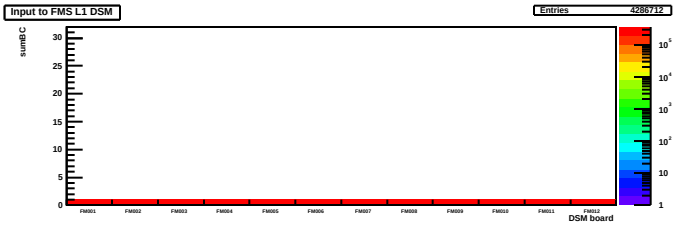

Input to FMS L0 DSM
Entries 2857808
HT ID - simulated
QT board

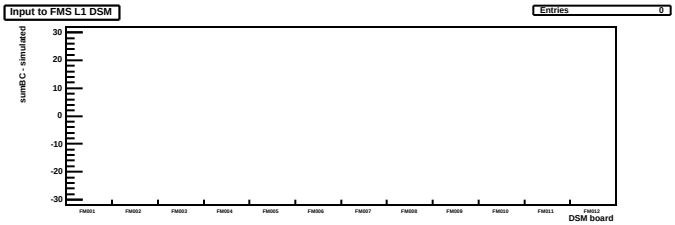

Input to FMS L1 DSM
Entries 4286712
sumD
DSM board

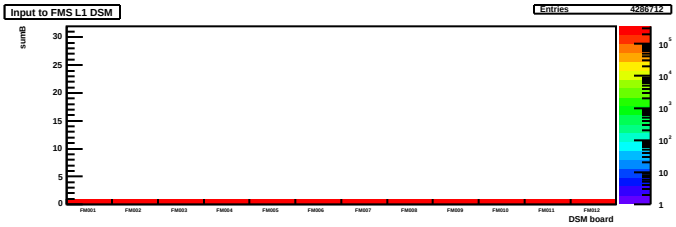

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

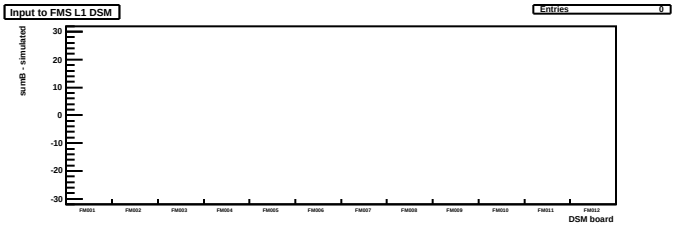

Input to FMS L1 DSM
Entries 4286712
sumC
DSM board

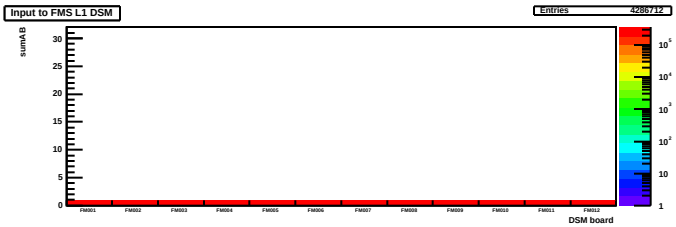

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

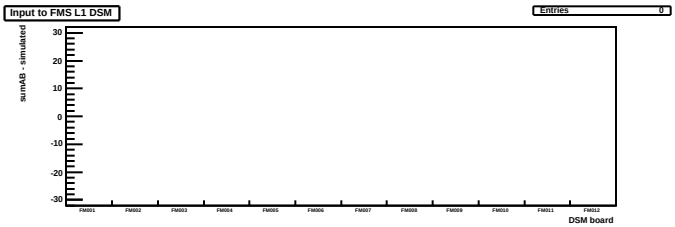

Input to FMS L1 DSM
Entries 4286712
sumBC
DSM board

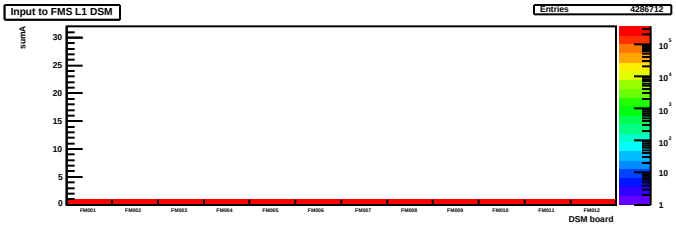

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

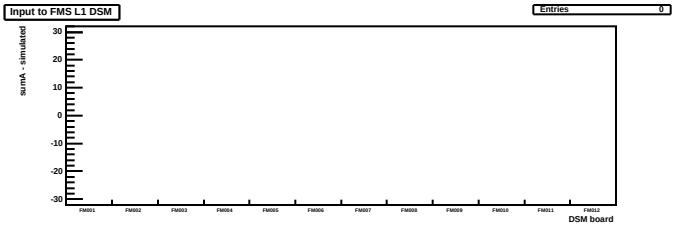

Input to FMS L1 DSM
Entries 4286712
sumB
DSM board

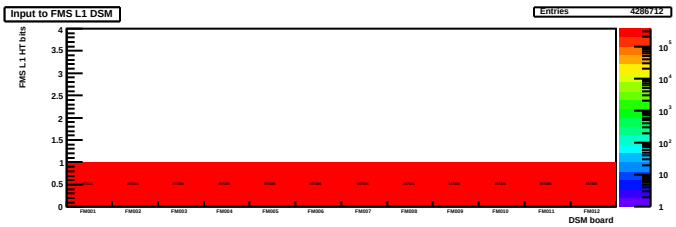

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

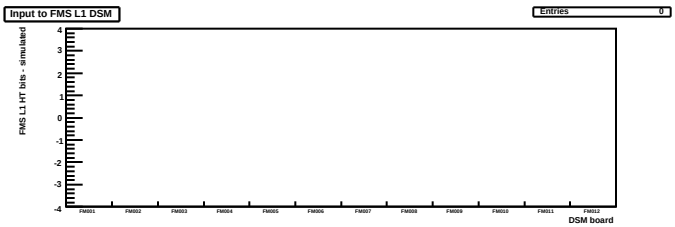

Input to FMS L1 DSM
Entries 4286712
sumAB
DSM board

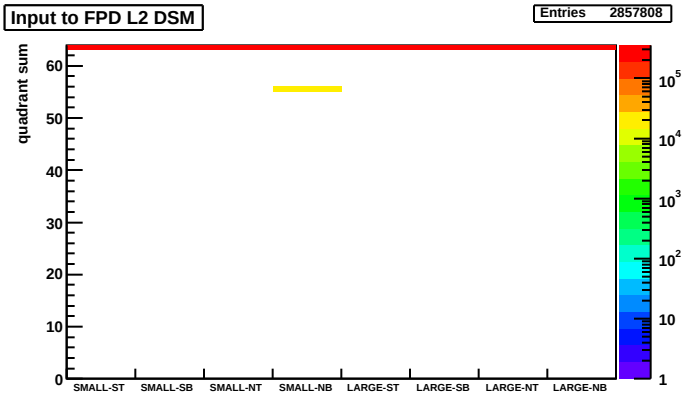

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

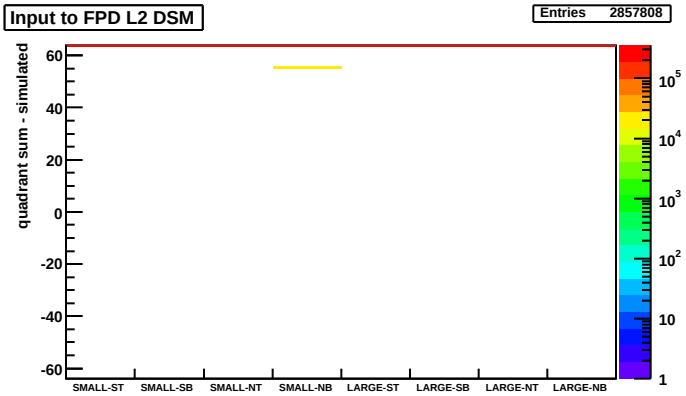

Input to FMS L1 DSM
Entries 4286712
sumA
DSM board

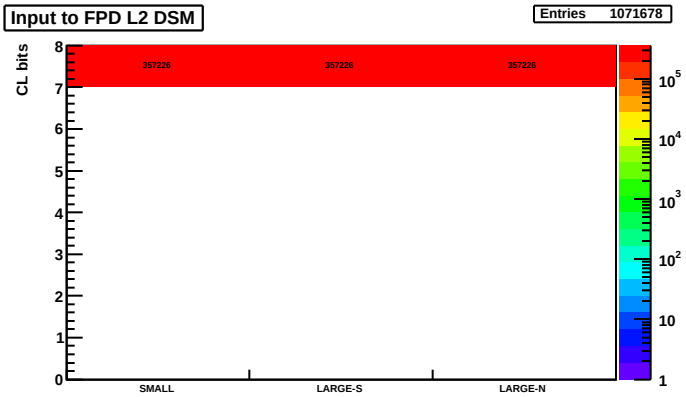

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

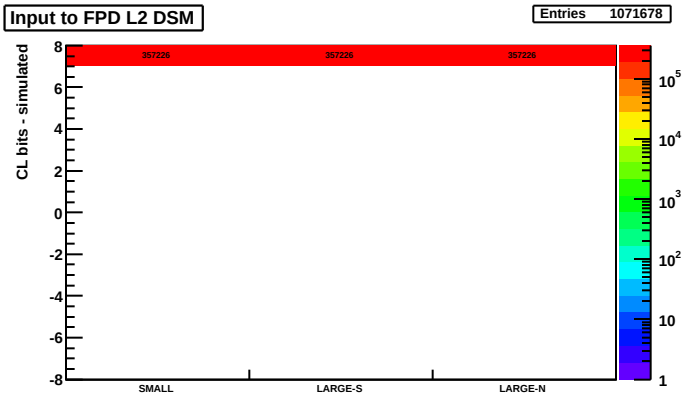

Input to FMS L1 DSM
Entries 4286712
FMS L1 HT bits
DSM board

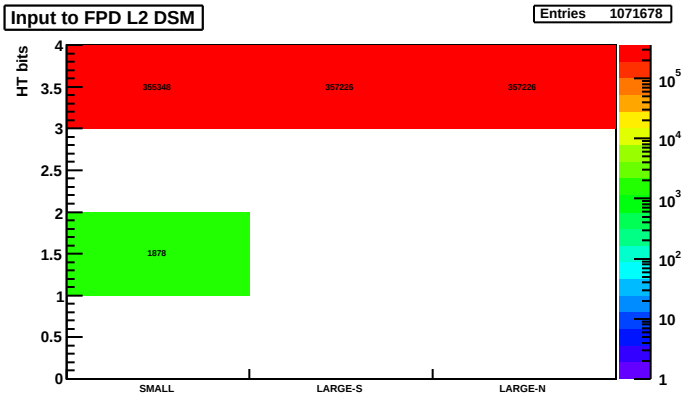

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

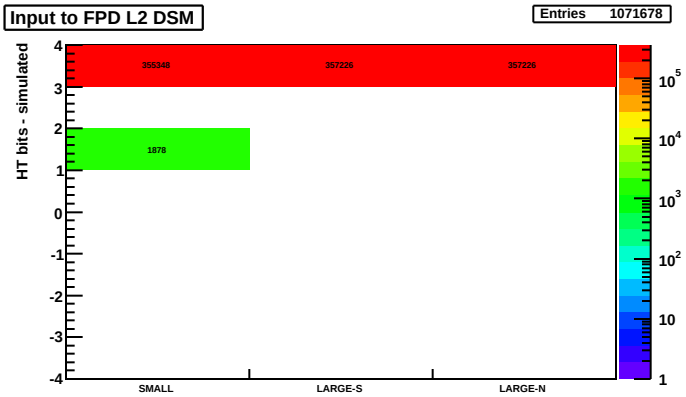

Input to FPD L2 DSM
Entries 2857808
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

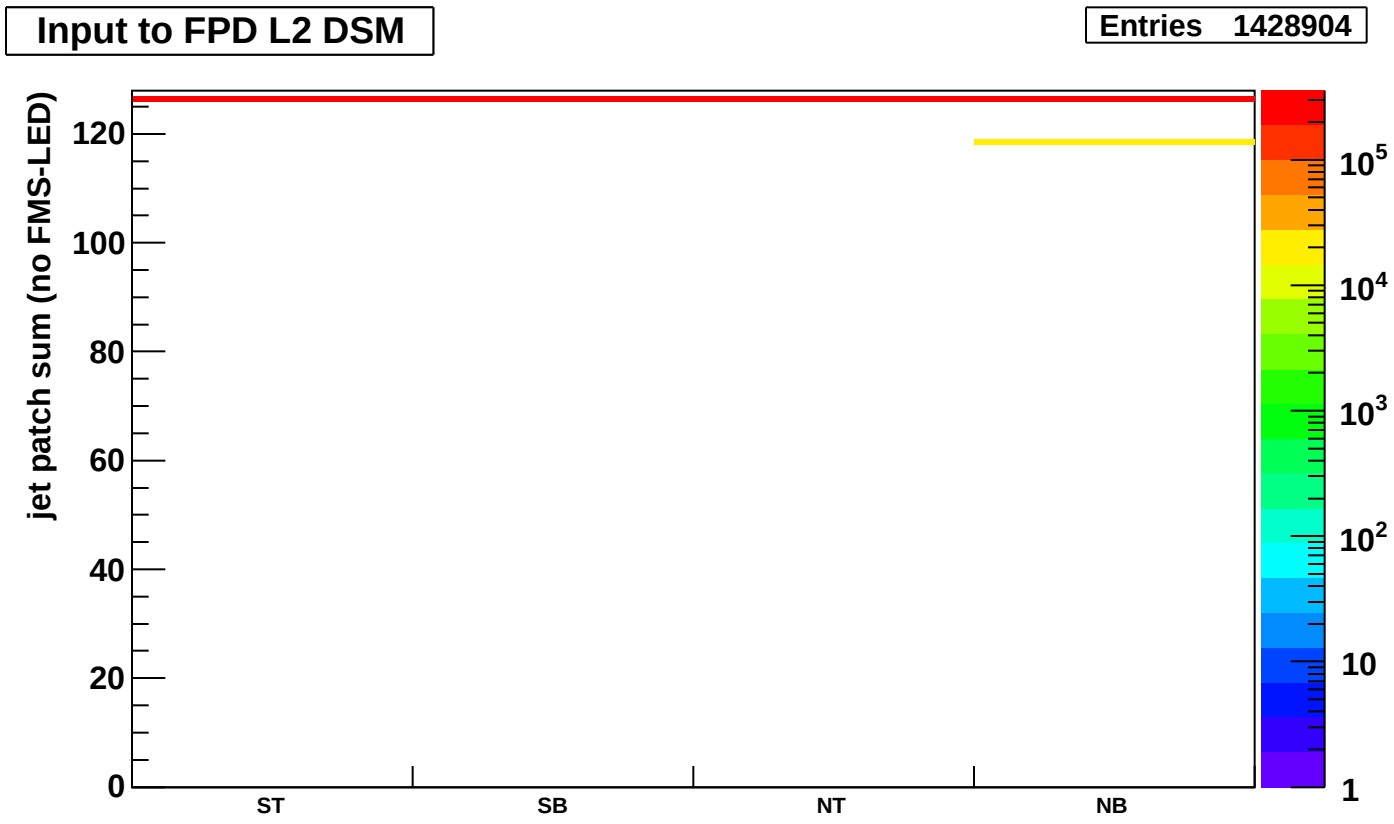

Input to FPD L2 DSM
Entries 2857808
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

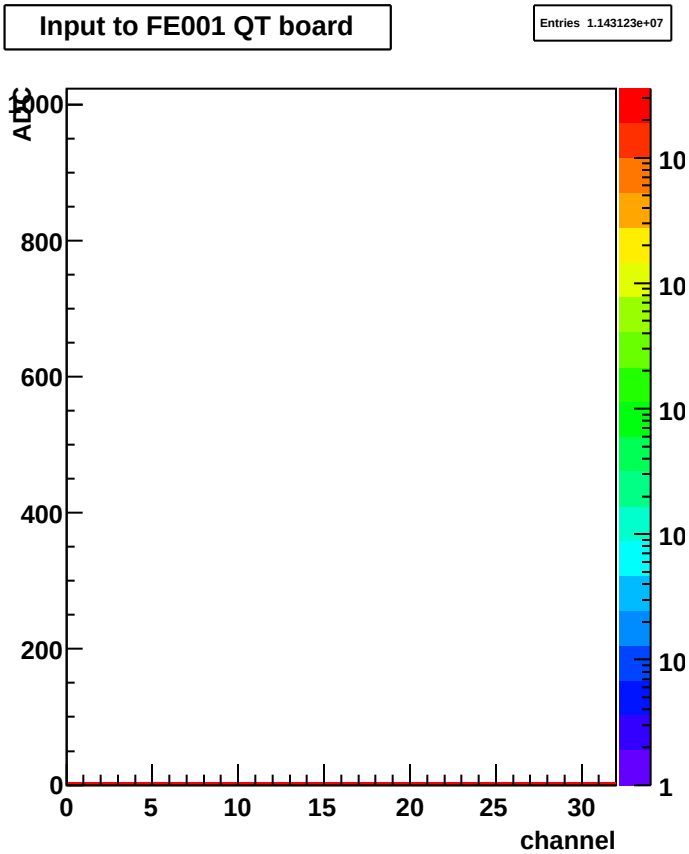

Input to FPD L2 DSM
Entries 1071678
CL bits
357226
357226
357226
SMALL
LARGE-S
LARGE-N

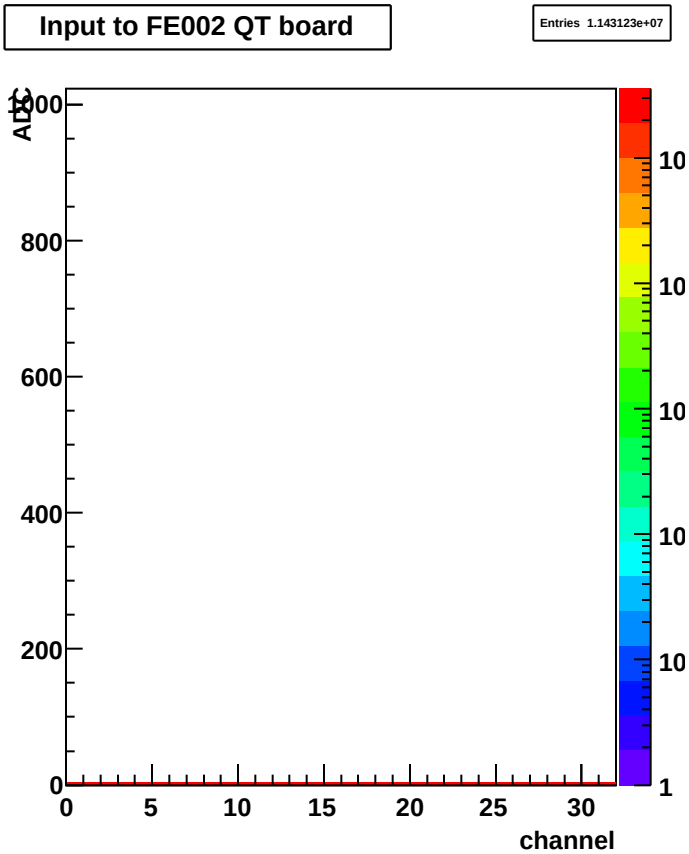

Input to FPD L2 DSM
Entries 1071678
CL bits - simulated
357226
357226
357226
SMALL
LARGE-S
LARGE-N

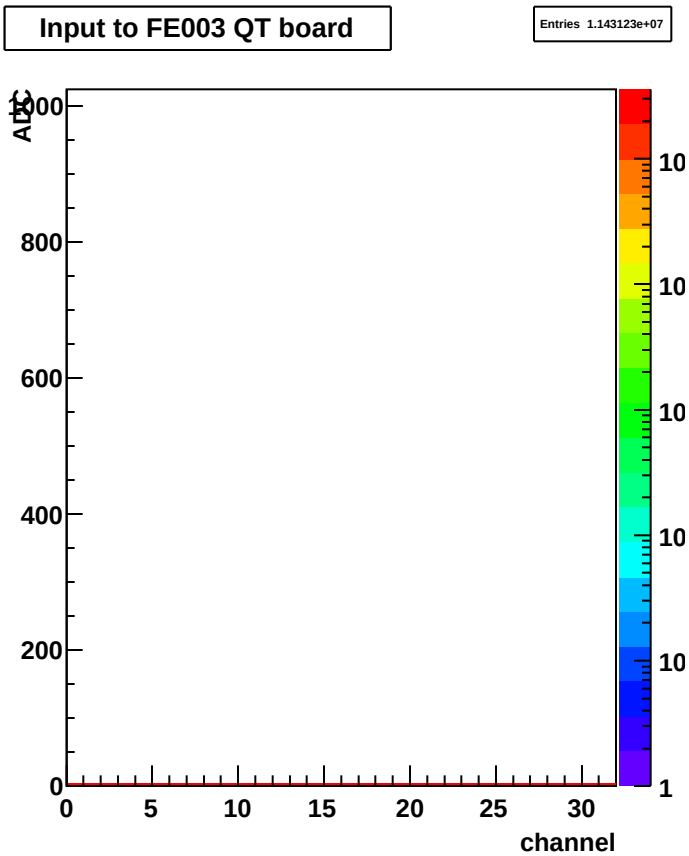

Input to FPD L2 DSM
Entries 1071678
HT bits
355348
357226
357226
1878
SMALL
LARGE-S
LARGE-N

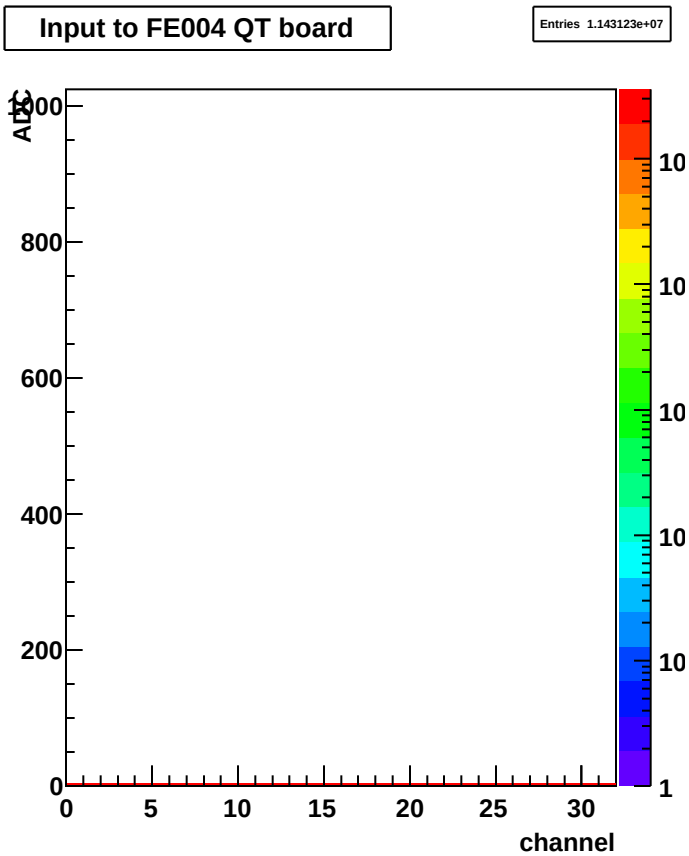

Input to FPD L2 DSM
Entries 1071678
HT bits - simulated
355348
357226
357226
1878
SMALL
LARGE-S
LARGE-N


Input to FPD L2 DSM
Entries 1428904
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

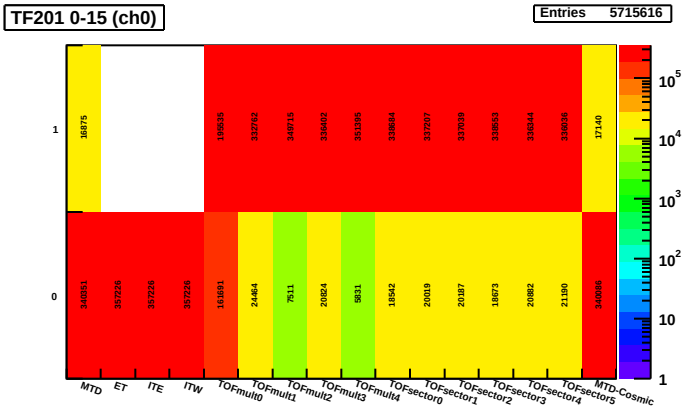

Input to FE001 QT board
Entries 1.143123e+07
ADC
channel


Input to FE002 QT board
Entries 1.143123e+07
ADC
channel

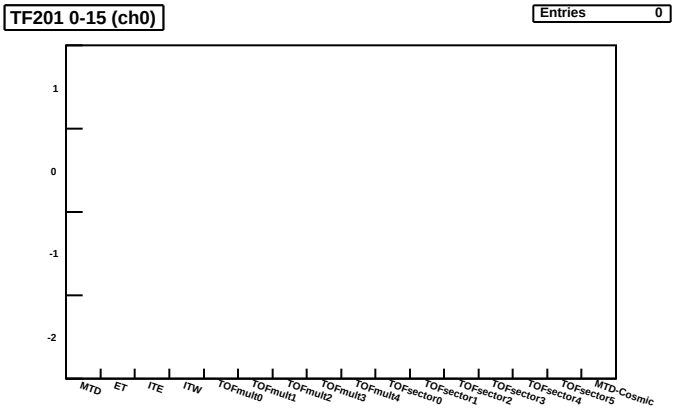

Input to FE003 QT board
Entries 1.143123e+07
ADC
channel


Input to FE004 QT board
Entries 1.143123e+07
ADC
channel

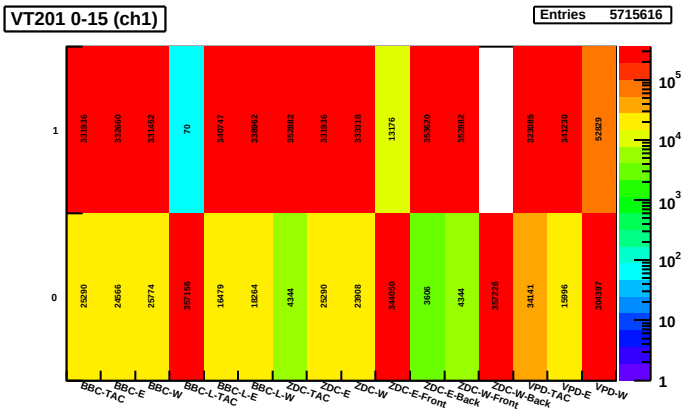
TF201 0-15 (ch0)



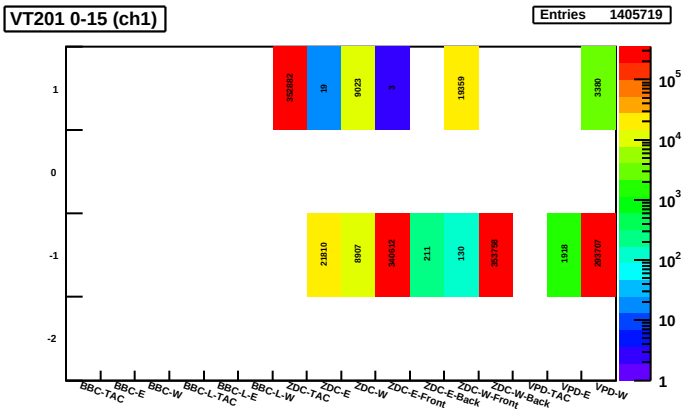
TF201 0-15 (ch0)



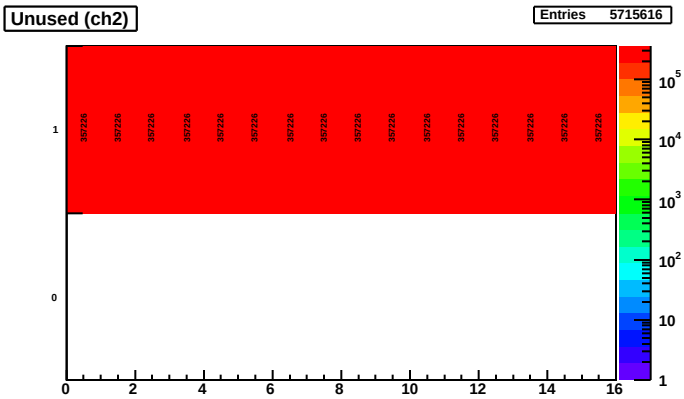
VT201 0-15 (ch1)

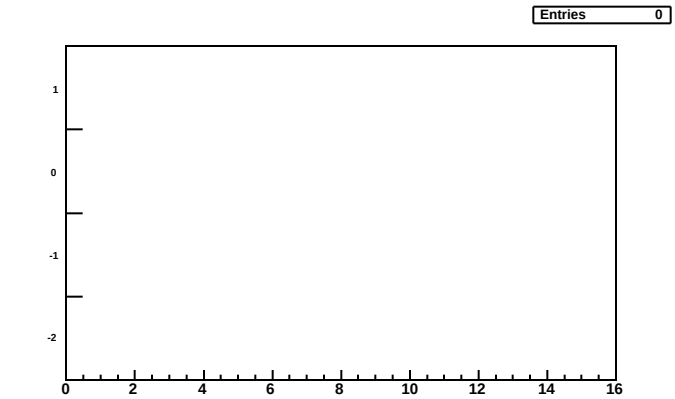


VT201 0-15 (ch1)

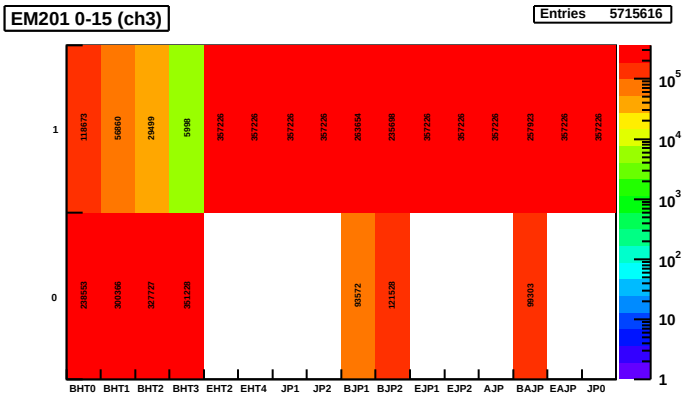


Unused (ch2)

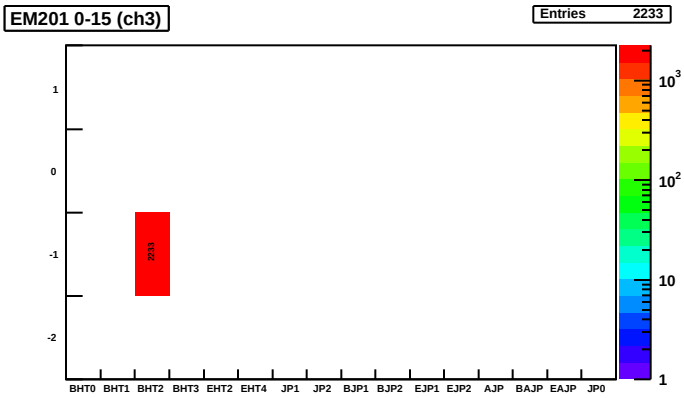




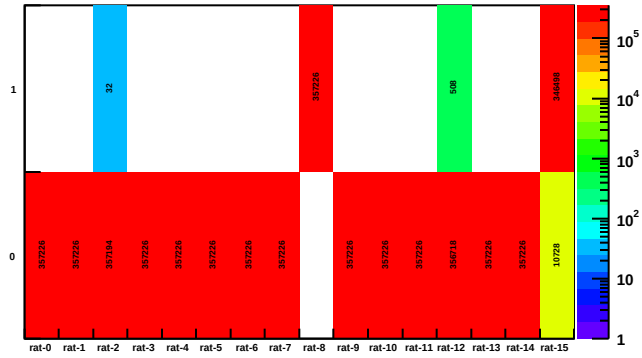
EM201 0-15 (ch3)

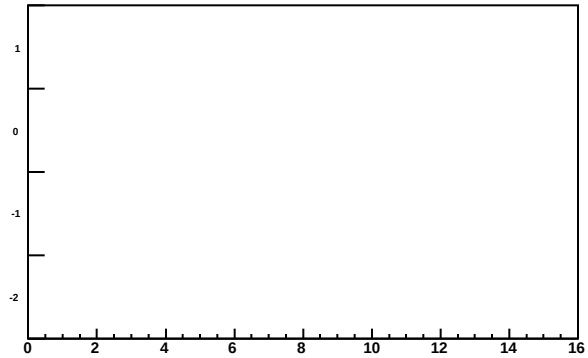


EM201 0-15 (ch3)

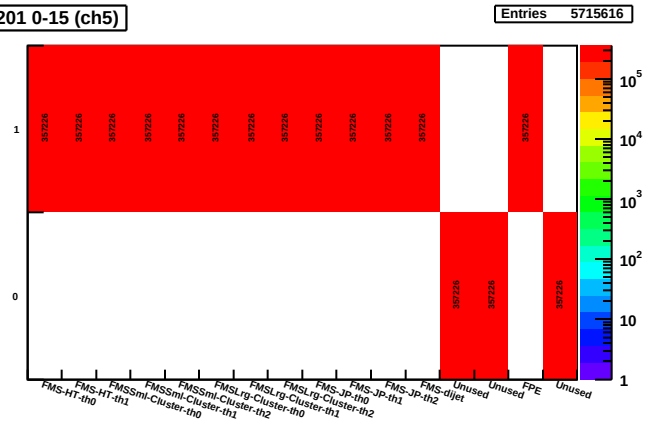


RAT board (ch4)

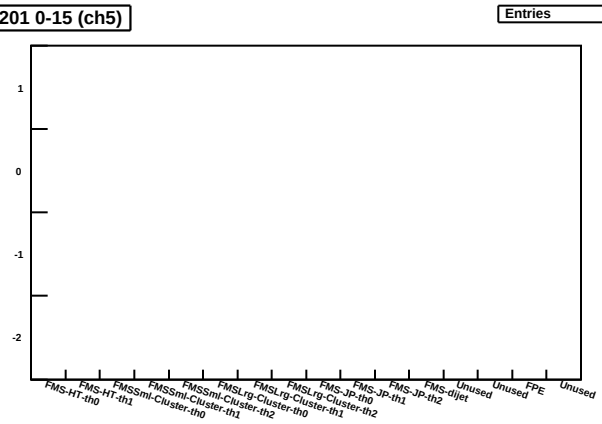




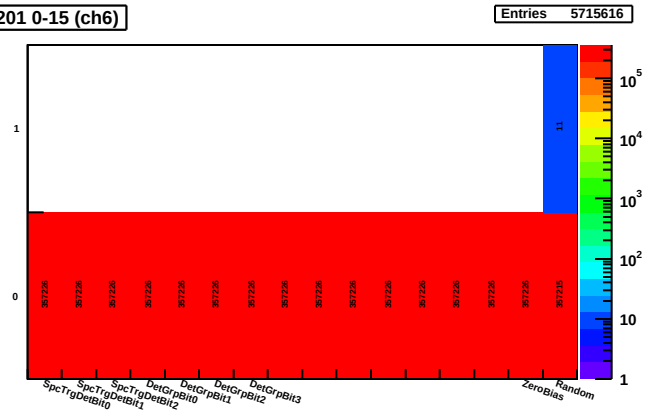
FP201 0-15 (ch5)

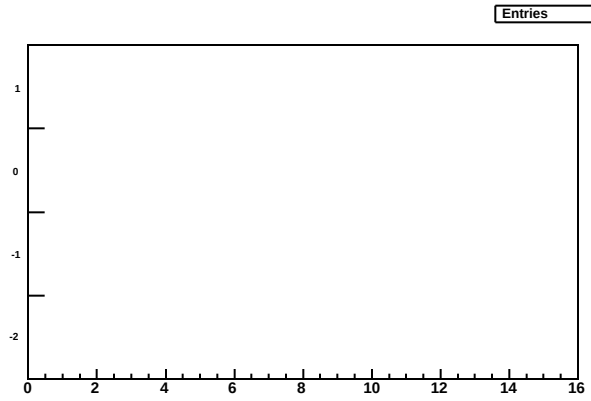
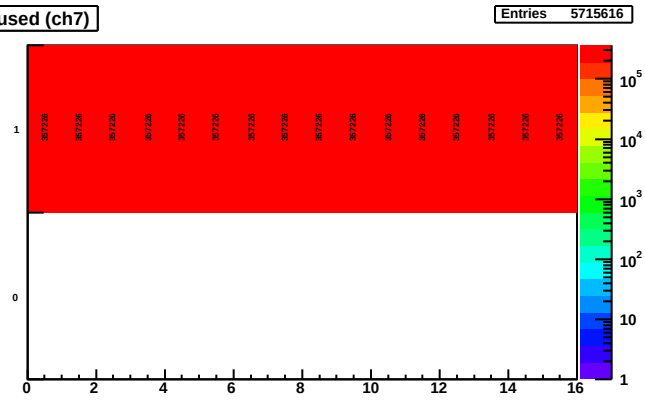
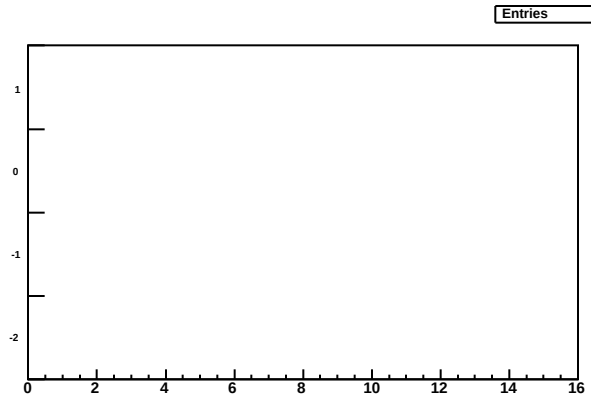


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)