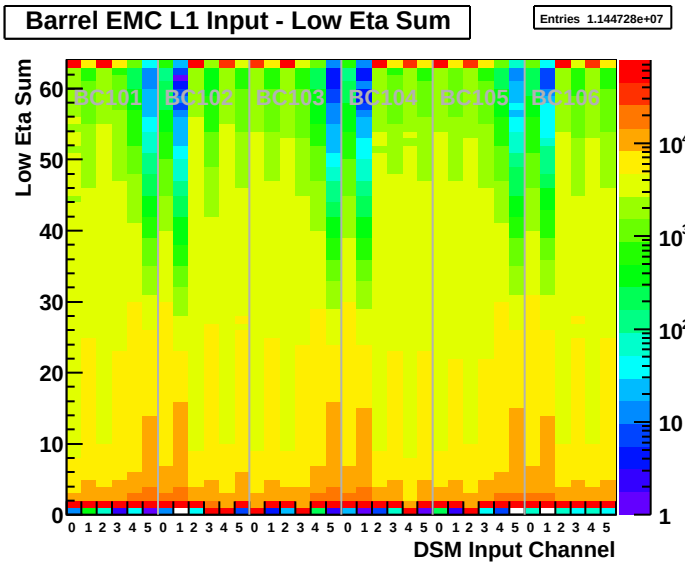
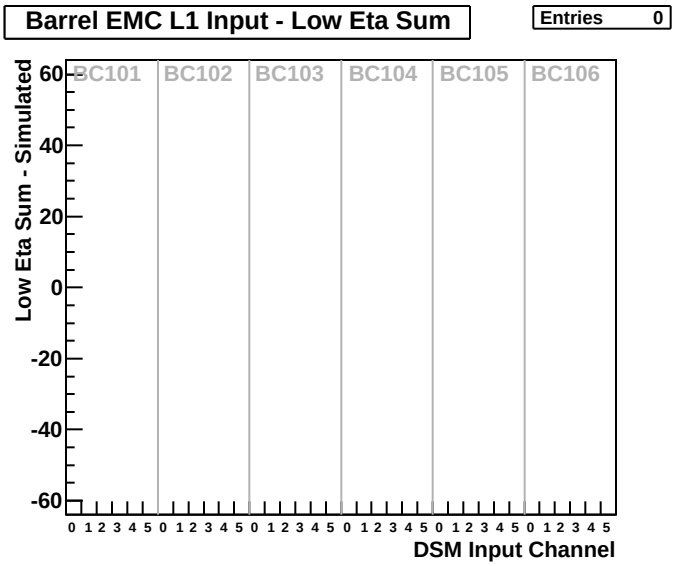
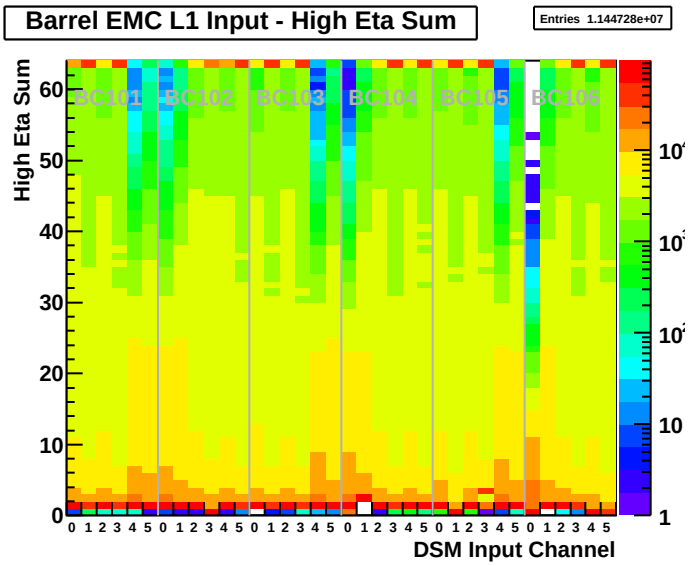
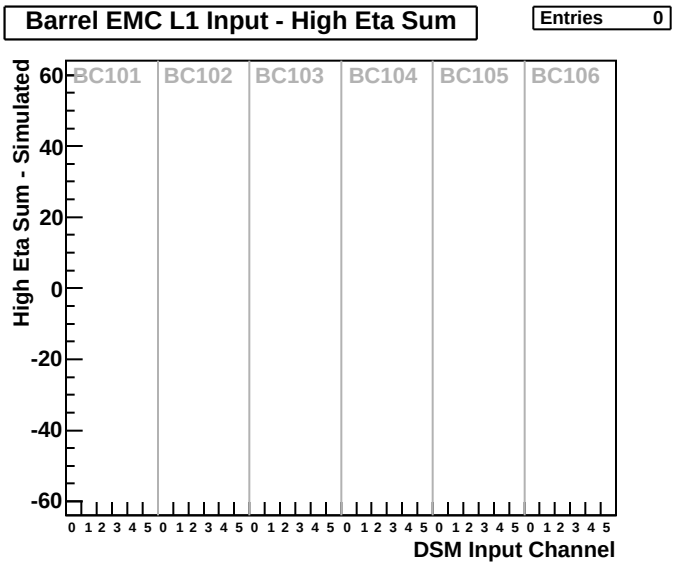
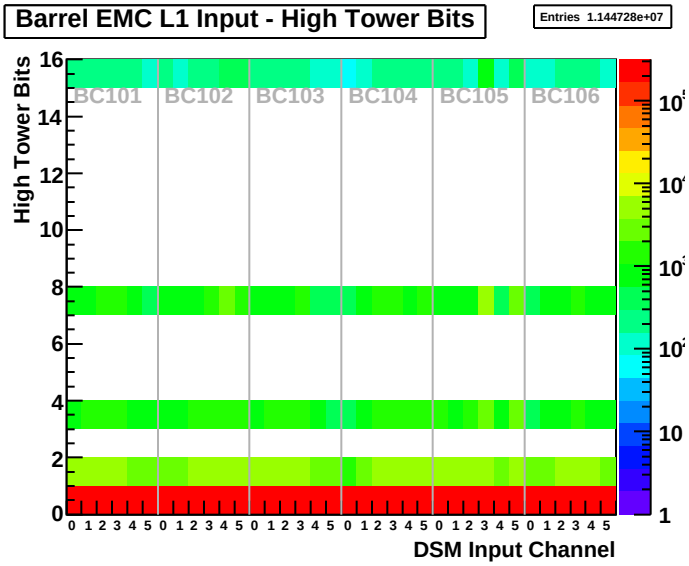
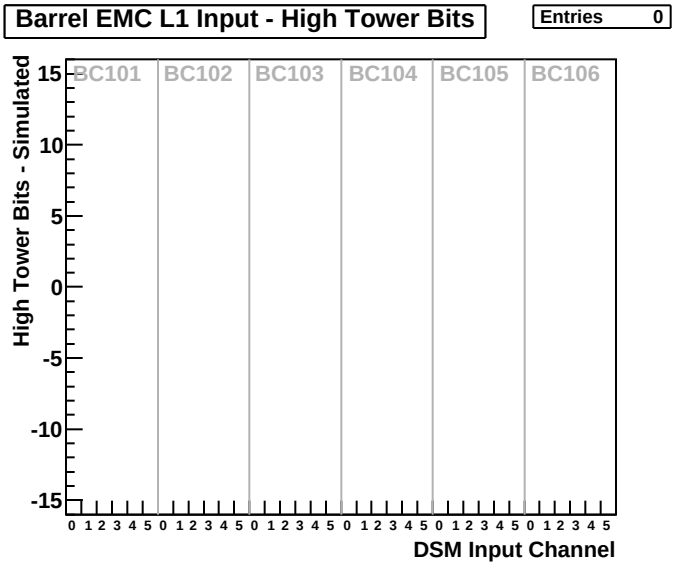

Barrel EMC L1 Input - Low Eta Sum
Entries 1.144728e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

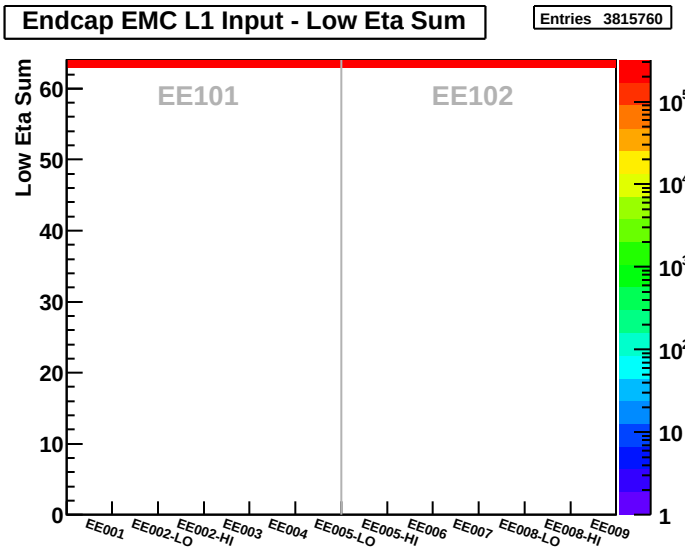

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

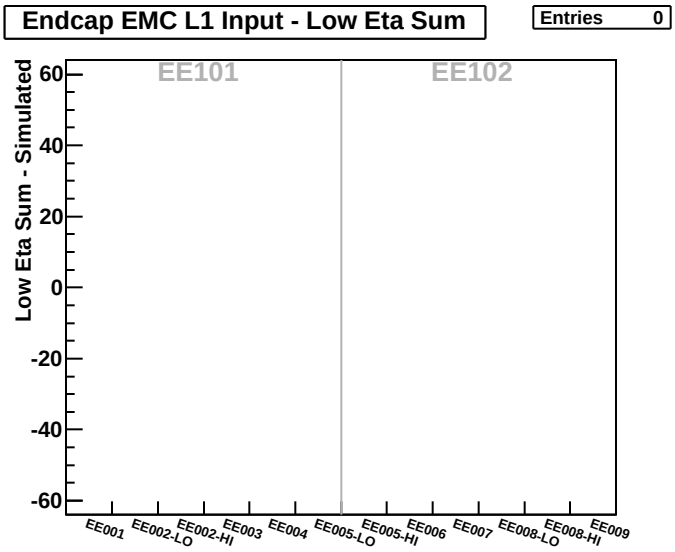

Barrel EMC L1 Input - High Eta Sum
Entries 1.144728e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

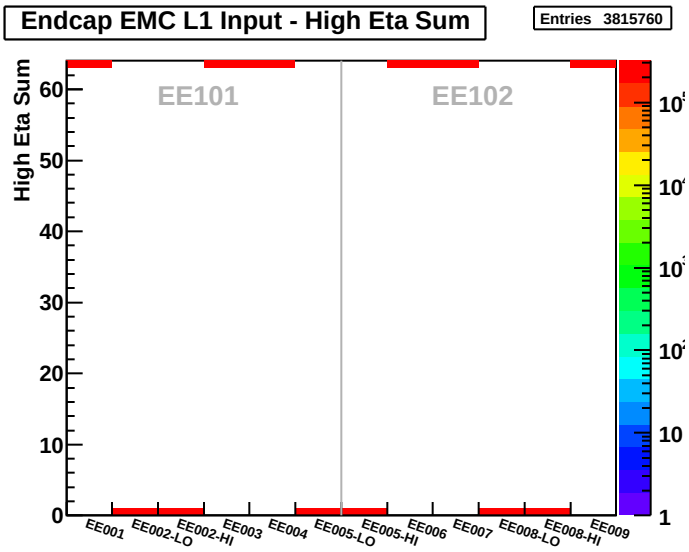

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

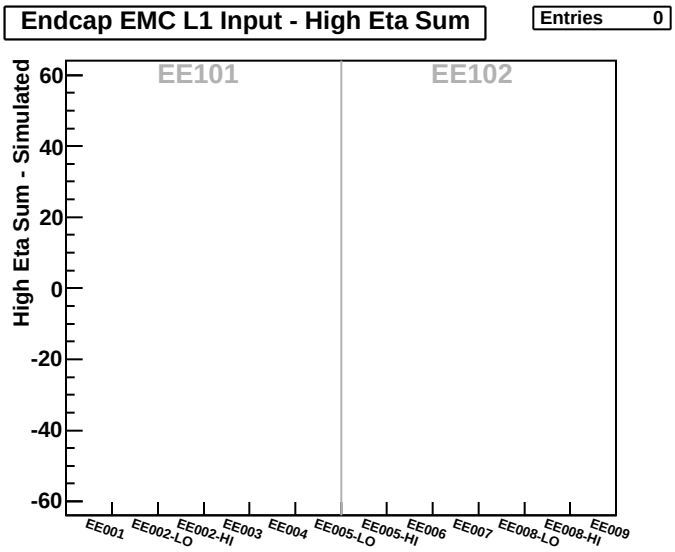

Barrel EMC L1 Input - High Tower Bits
Entries 1.144728e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

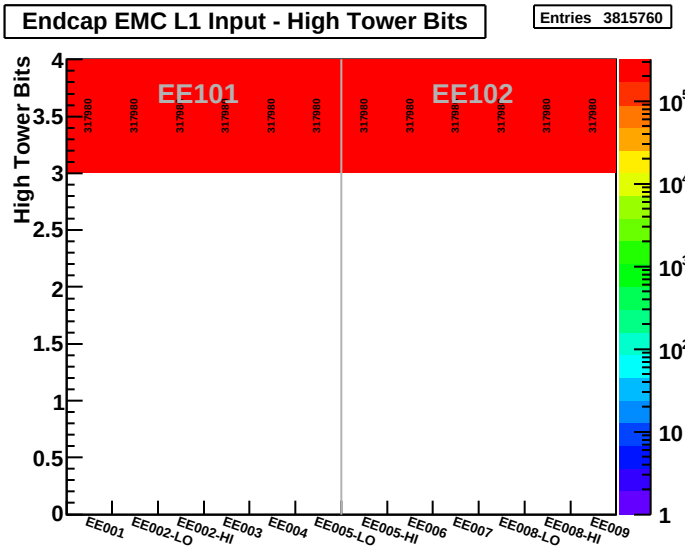

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

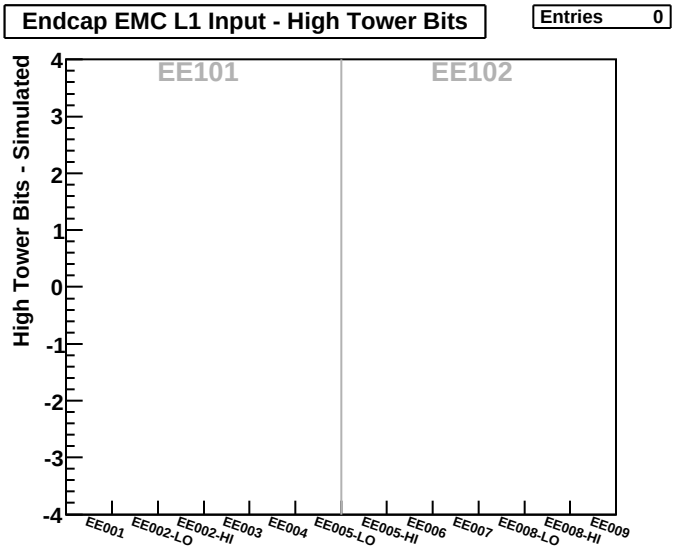

Endcap EMC L1 Input - Low Eta Sum
Entries 3815760
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

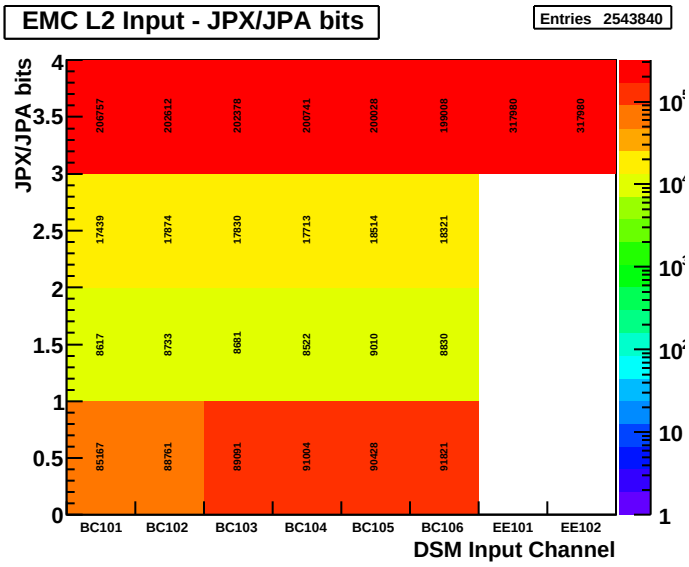

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

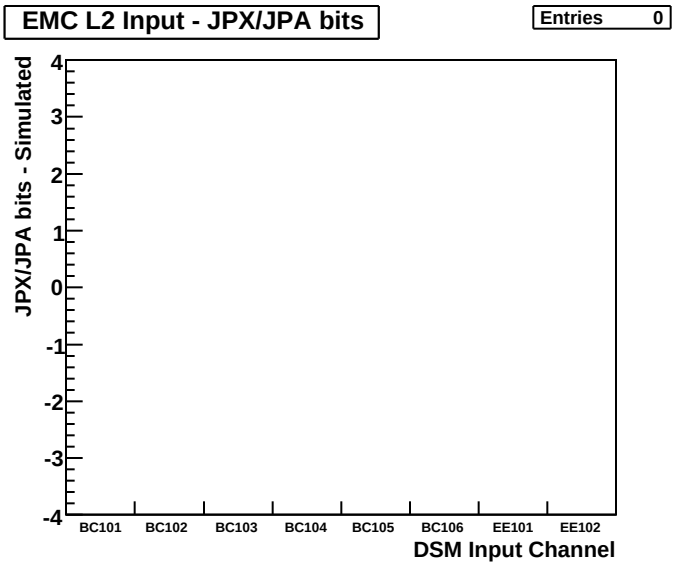

Endcap EMC L1 Input - High Eta Sum
Entries 3815760
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

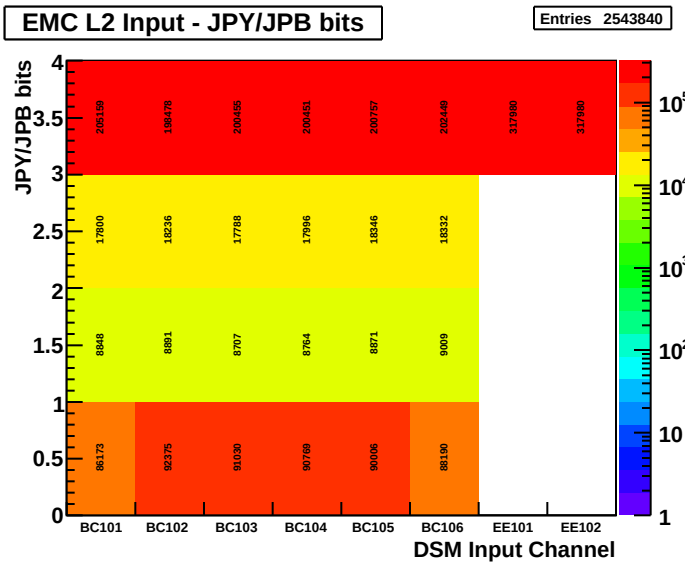

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

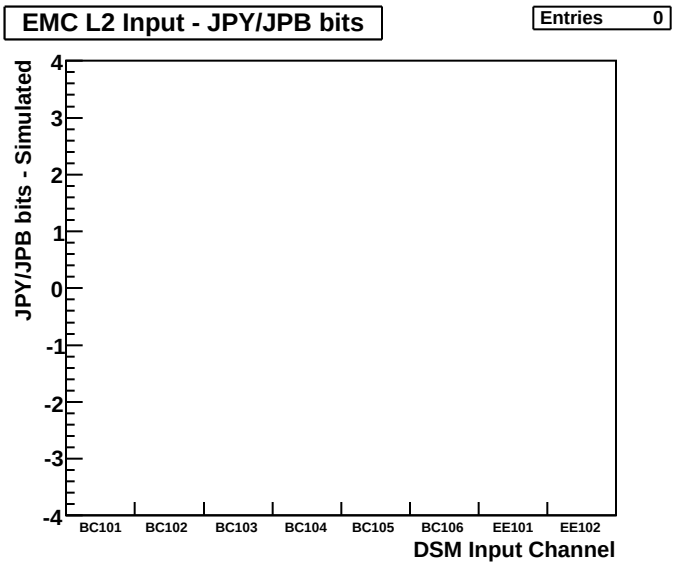

Endcap EMC L1 Input - High Tower Bits
Entries 3815760
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

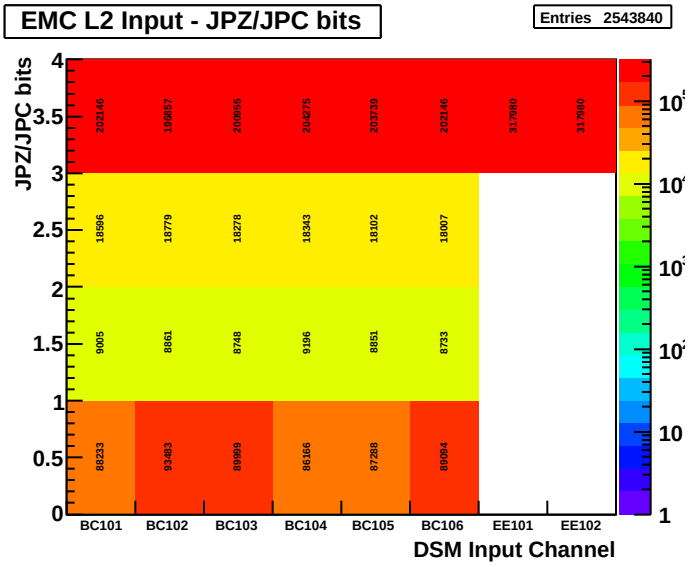

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

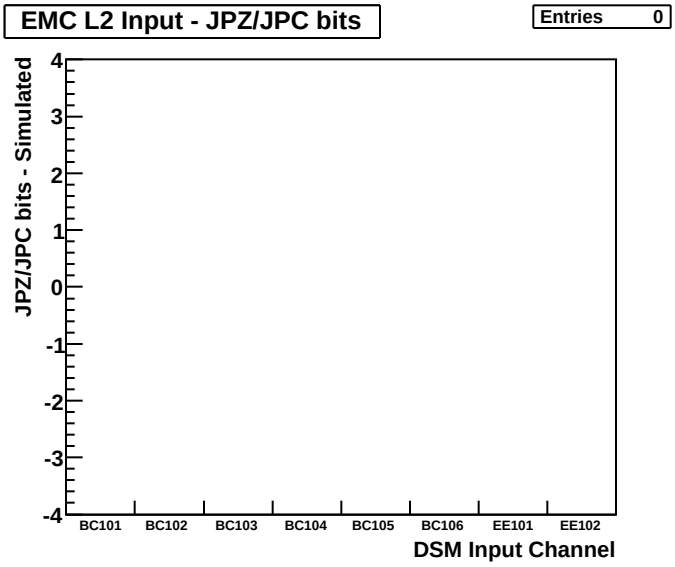

EMC L2 Input - JPX/JPA bits
Entries 2543840
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
206757 202612 202278 200741 200028 199008 317980 317980
17439 17874 17830 17713 18514 18321
8617 8733 8681 8522 9010 8830
85167 88761 89091 91004 90428 91821

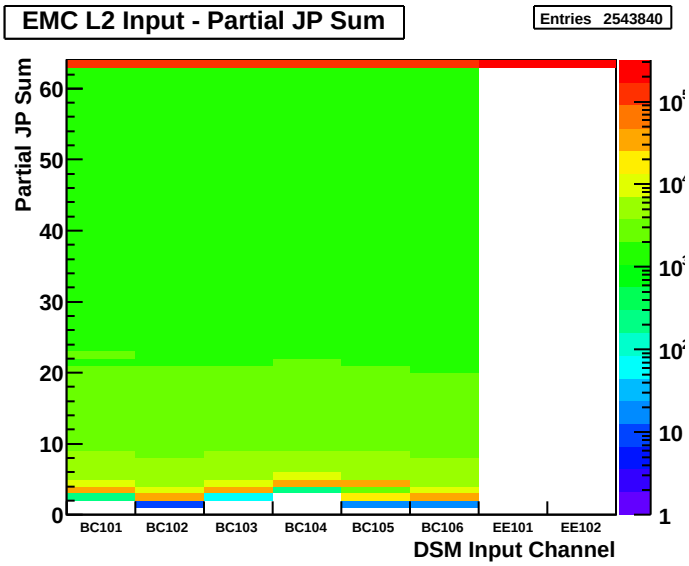

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

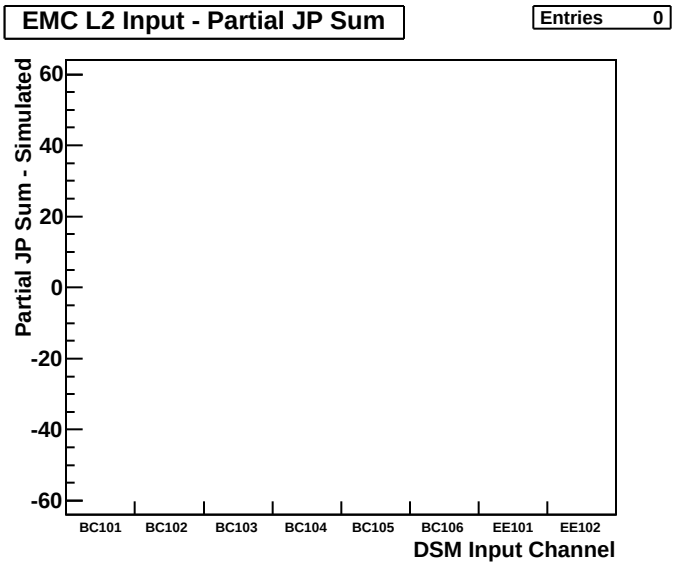

EMC L2 Input - JPY/JPB bits
Entries 2543840
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
205159 198478 200455 200451 200757 202449 317980 317980
17800 18236 17788 17996 18346 18332
8848 8891 8707 8764 8871 9009
86173 92375 91030 90769 90006 88190

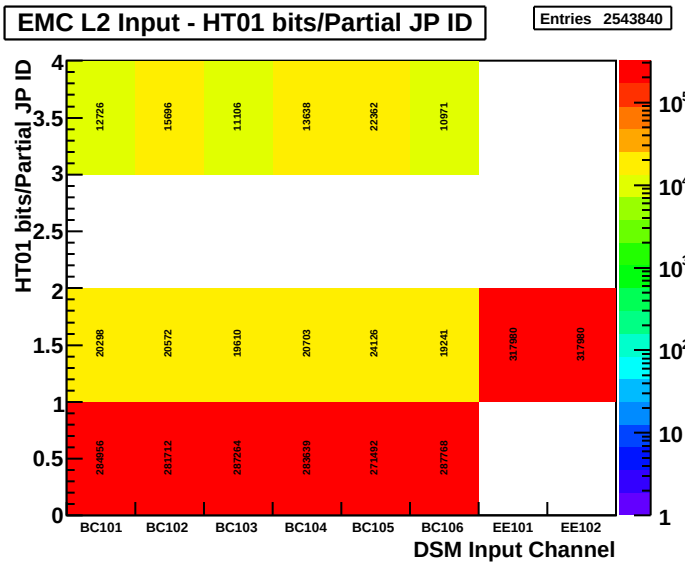

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

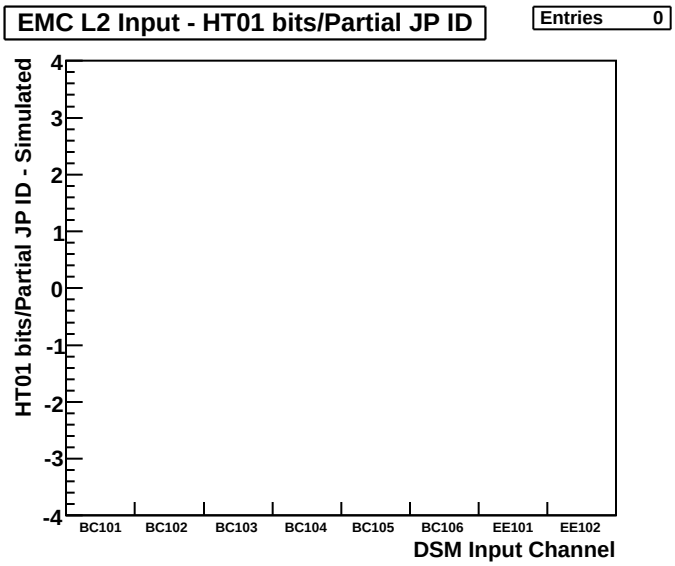

EMC L2 Input - JPZ/JPC bits
Entries 2543840
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
202146 198657 200655 202275 203739 202146 317980 317980
18596 18779 18278 18343 18102 18007
9005 8861 8748 9196 8851 8733
88233 93483 89999 86166 87288 89094

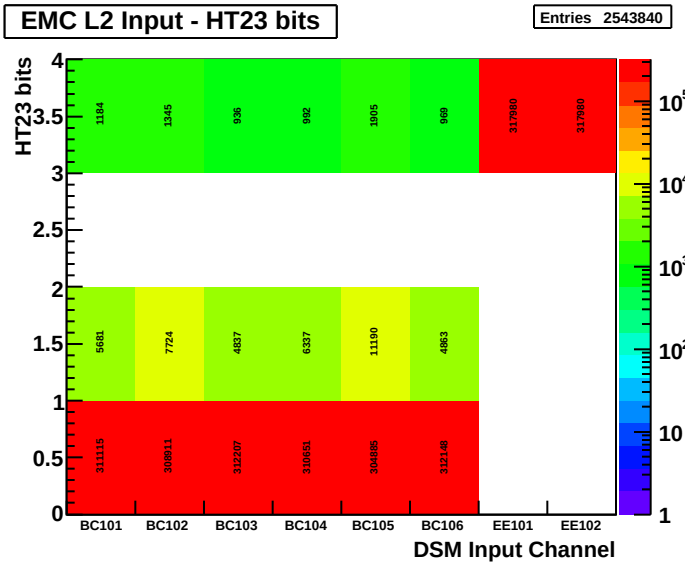

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

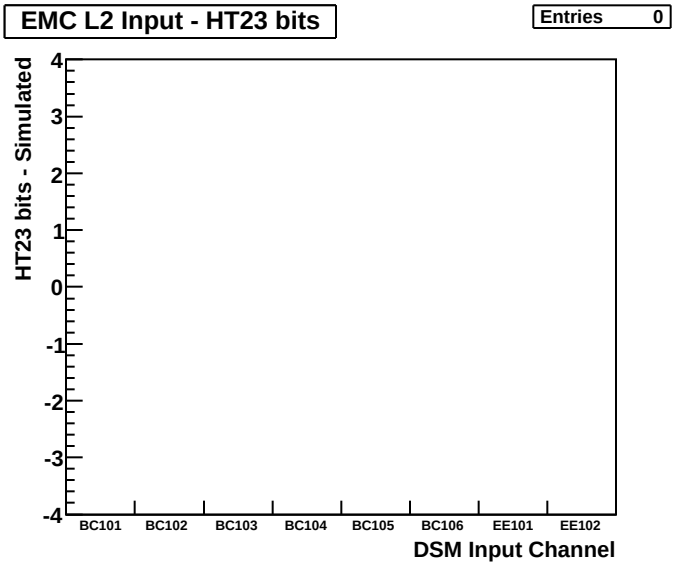

EMC L2 Input - Partial JP Sum
Entries 2543840
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

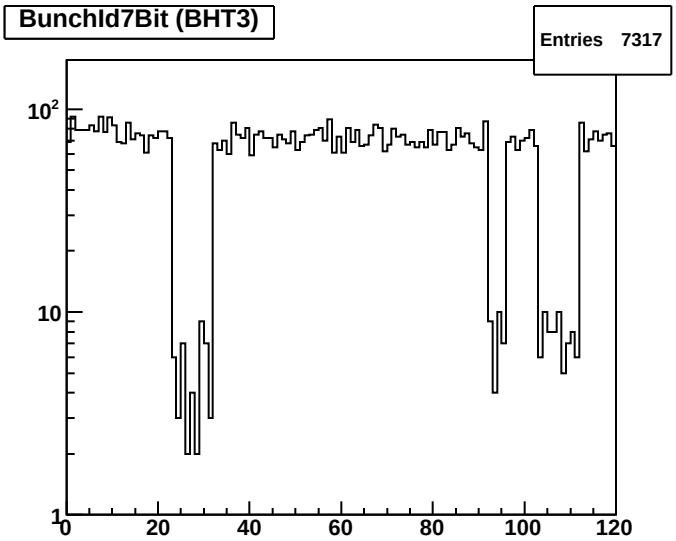

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

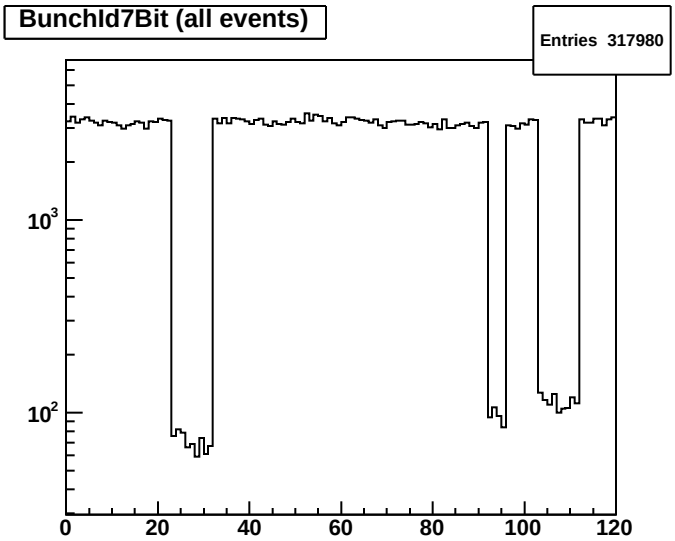

EMC L2 Input - HT01 bits/Partial JP ID
Entries 2543840
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

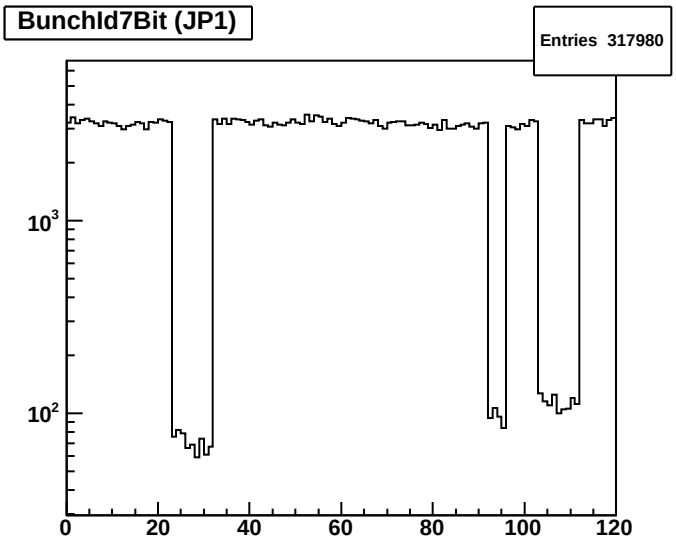

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

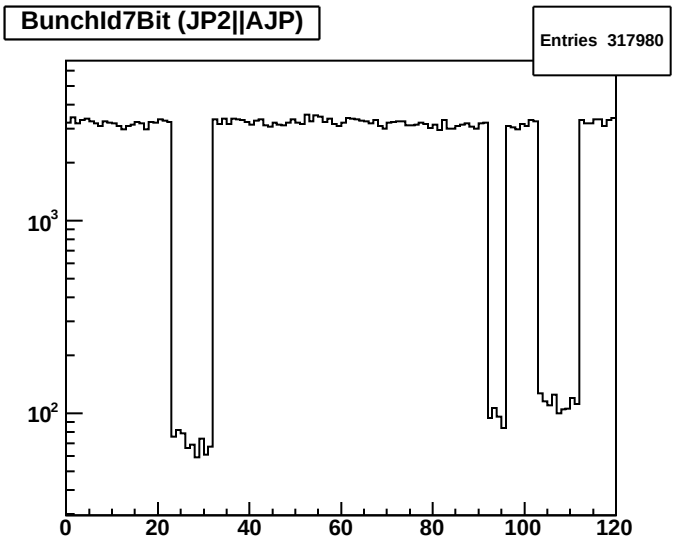

EMC L2 Input - HT23 bits
Entries 2543840
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

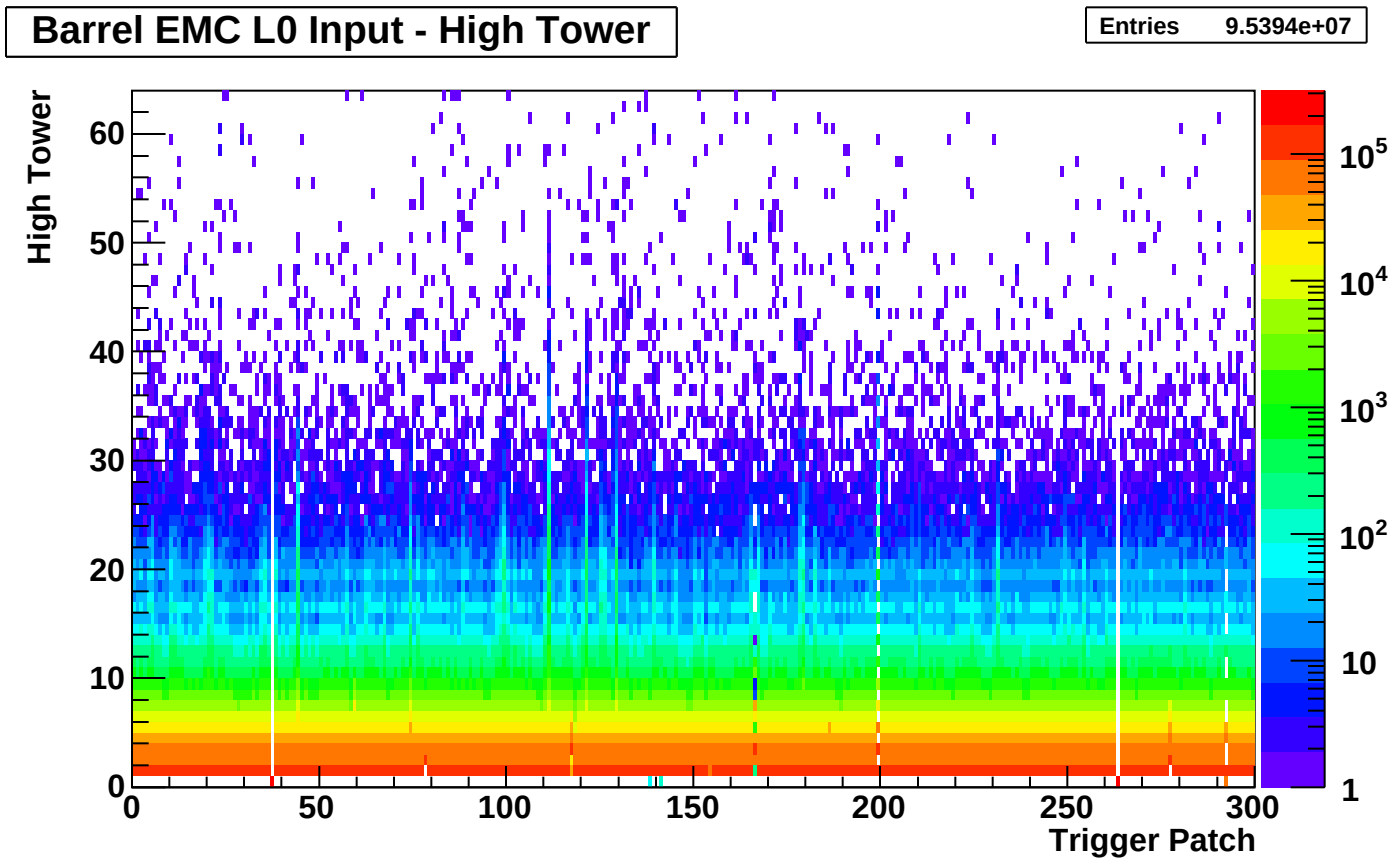

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

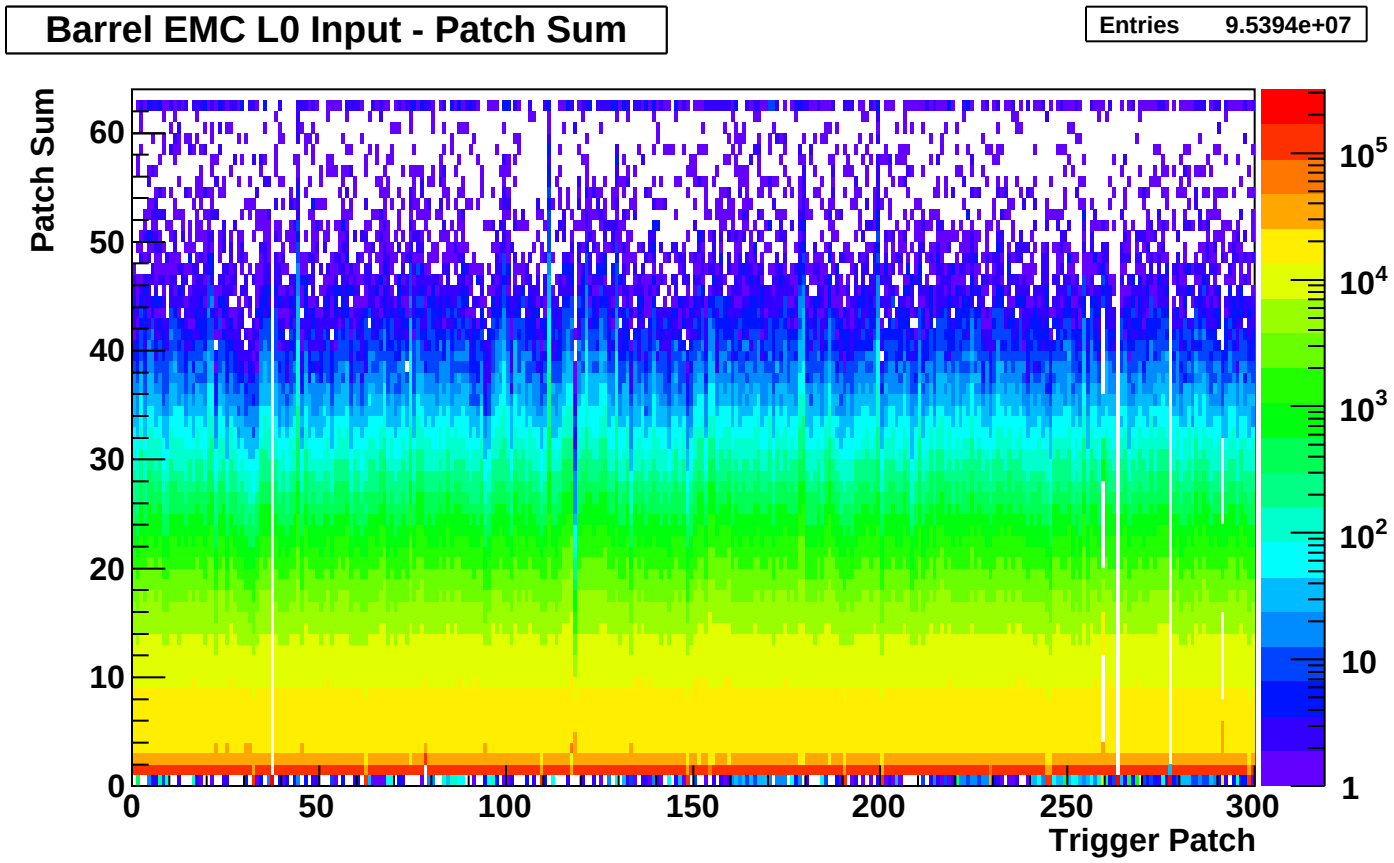

BunchId7Bit (BHT3)
Entries 7317
10^2
10
1
0
20
40
60
80
100
120

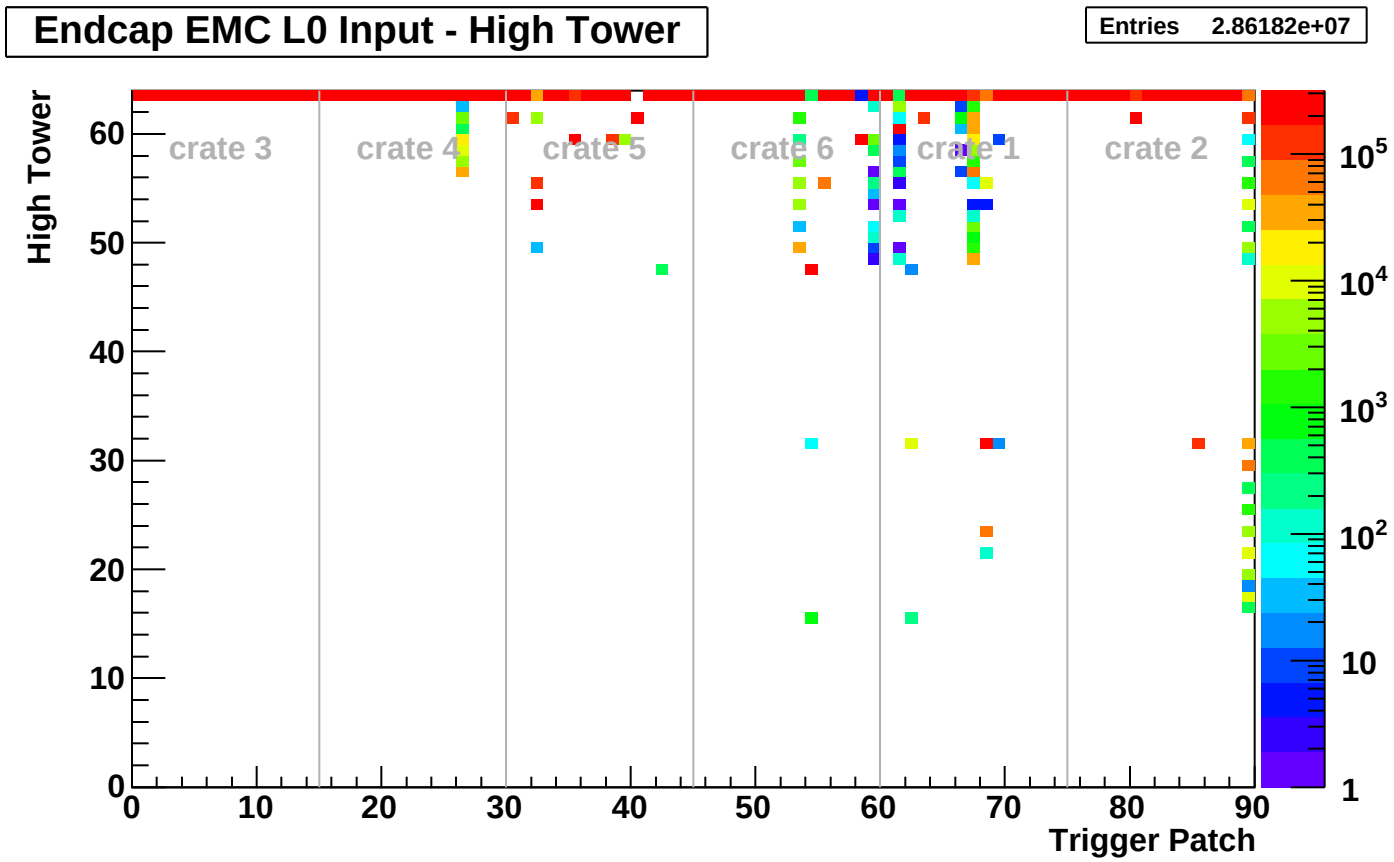

BunchId7Bit (all events)
Entries 317980
10^3
10^2
0
20
40
60
80
100
120

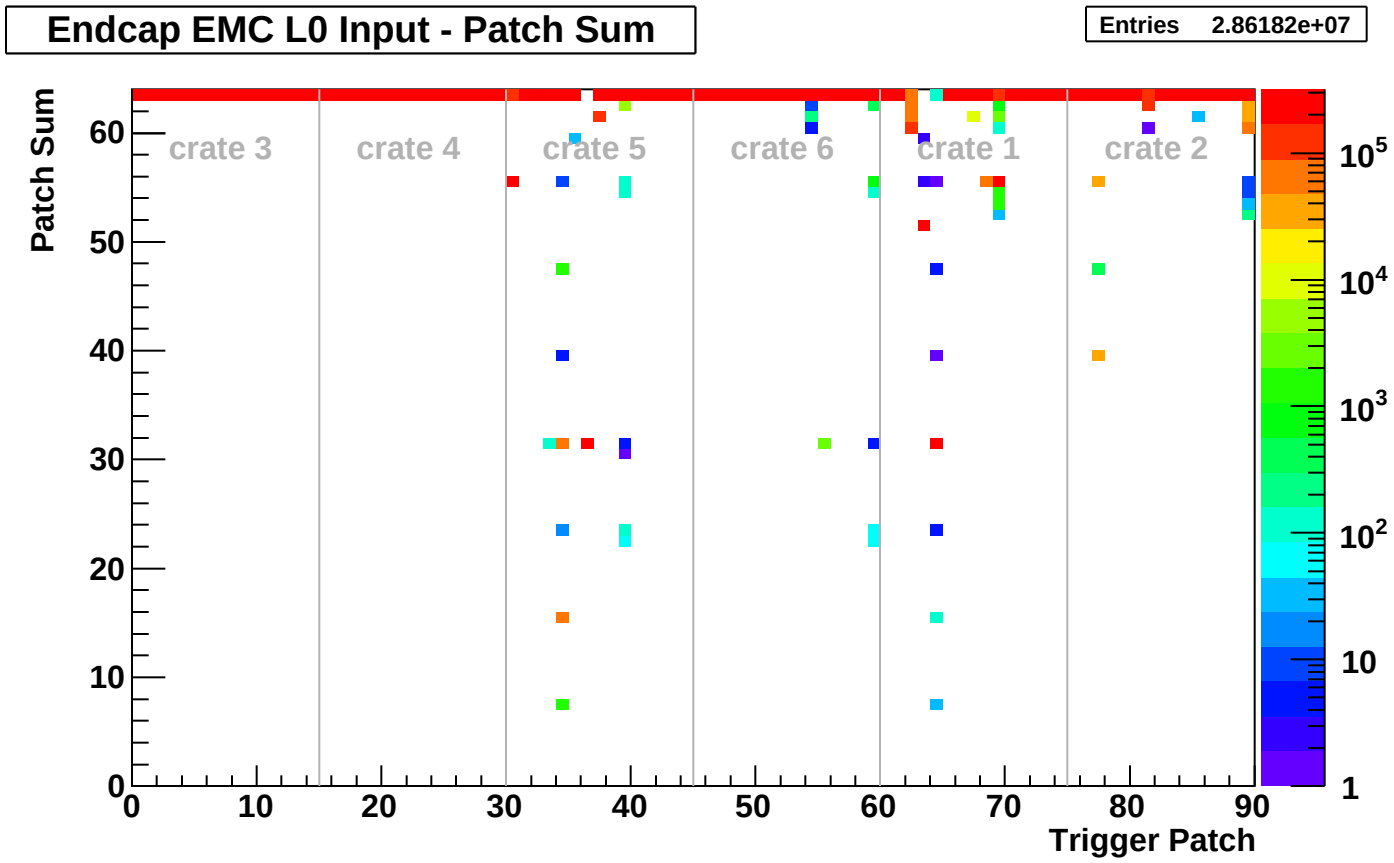

BunchId7Bit (JP1)
Entries 317980
10^3
10^2
0
20
40
60
80
100
120

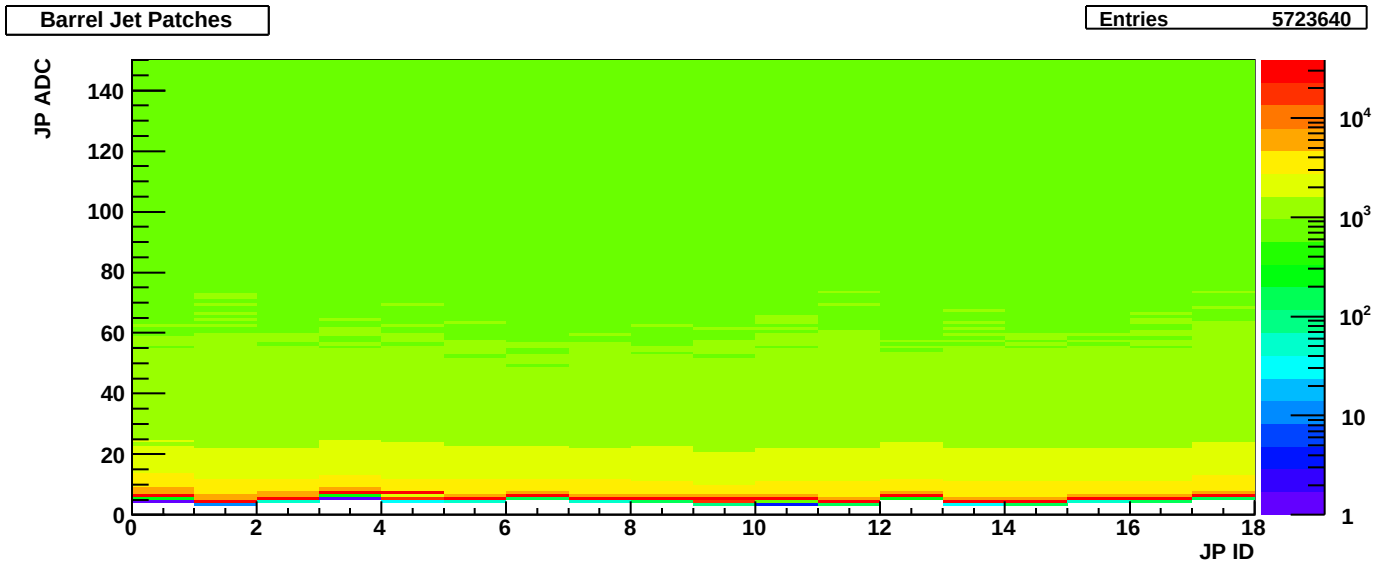

BunchId7Bit (JP2||AJP)
Entries 317980
10^3
10^2
0
20
40
60
80
100
120

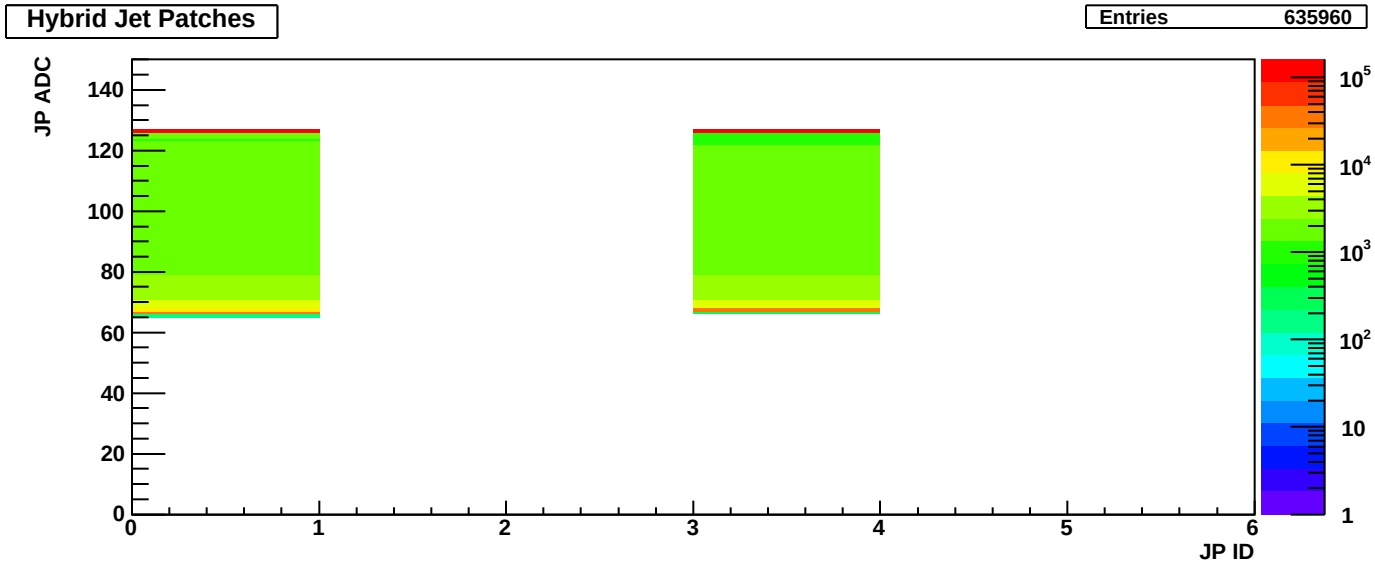

Barrel EMC L0 Input - High Tower
Entries 9.5394e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

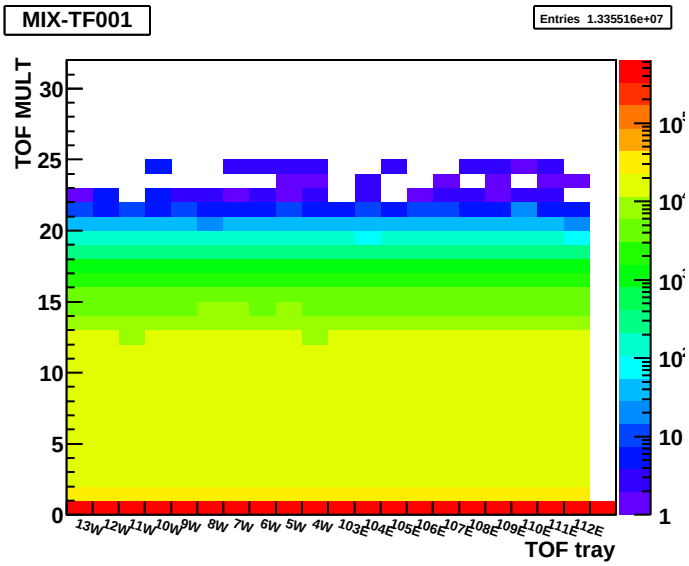

Barrel EMC L0 Input - Patch Sum
Entries 9.5394e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

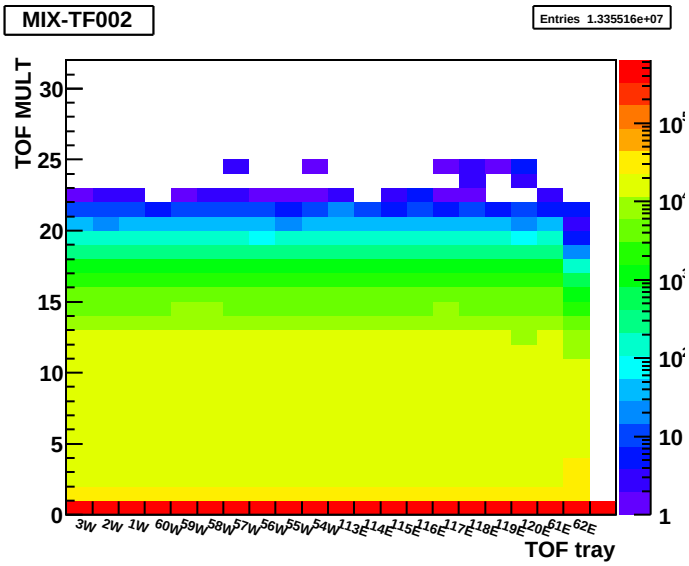

Endcap EMC L0 Input - High Tower
Entries 2.86182e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

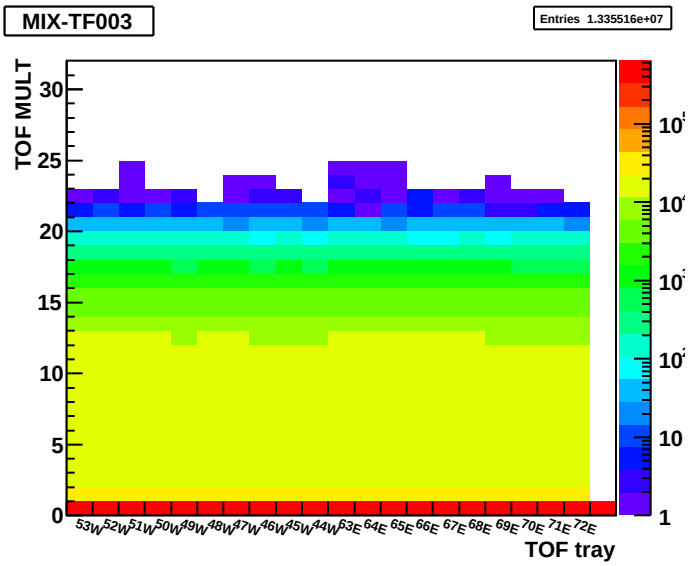

Endcap EMC L0 Input - Patch Sum
Entries 2.86182e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

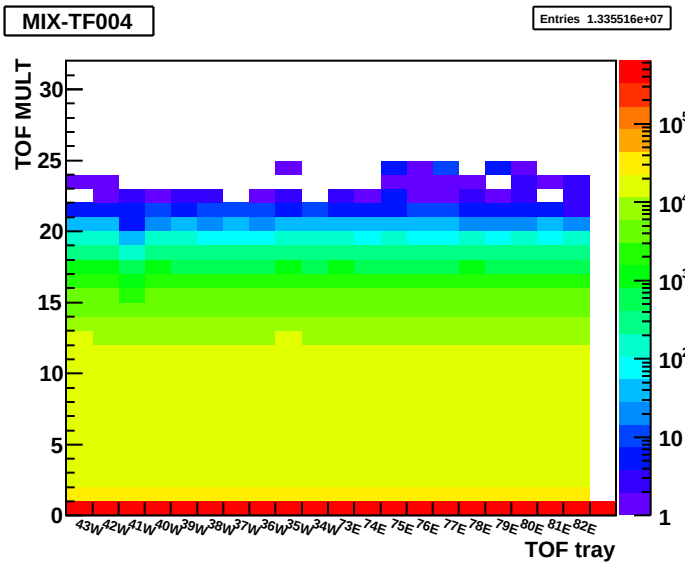

Barrel Jet Patches
Entries 5723640
JP ADC
JP ID

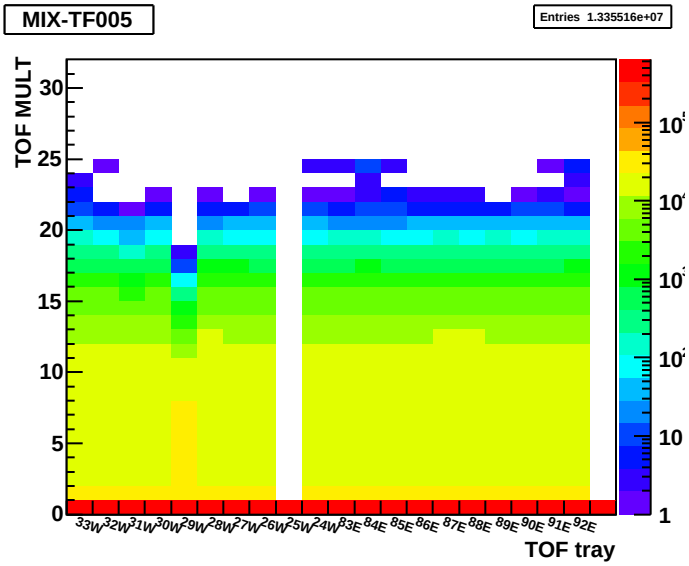

Hybrid Jet Patches
Entries 635960
JP ADC
JP ID

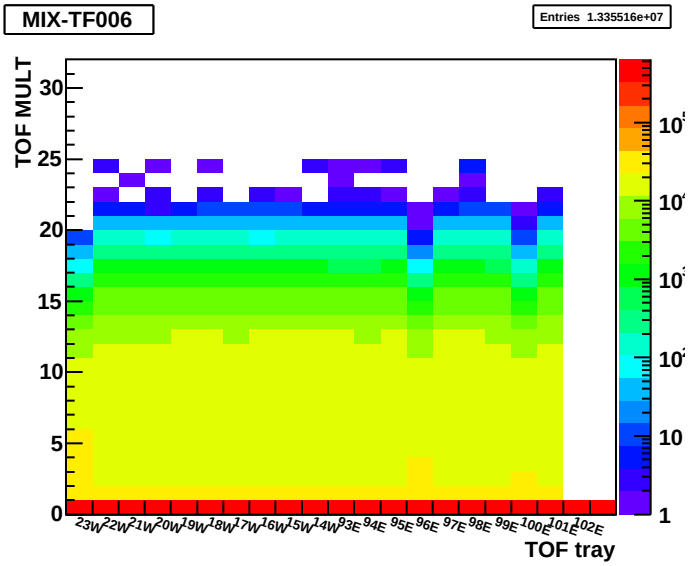

MIX-TF001
Entries 1.335516e+07
TOF MULT
TOF tray

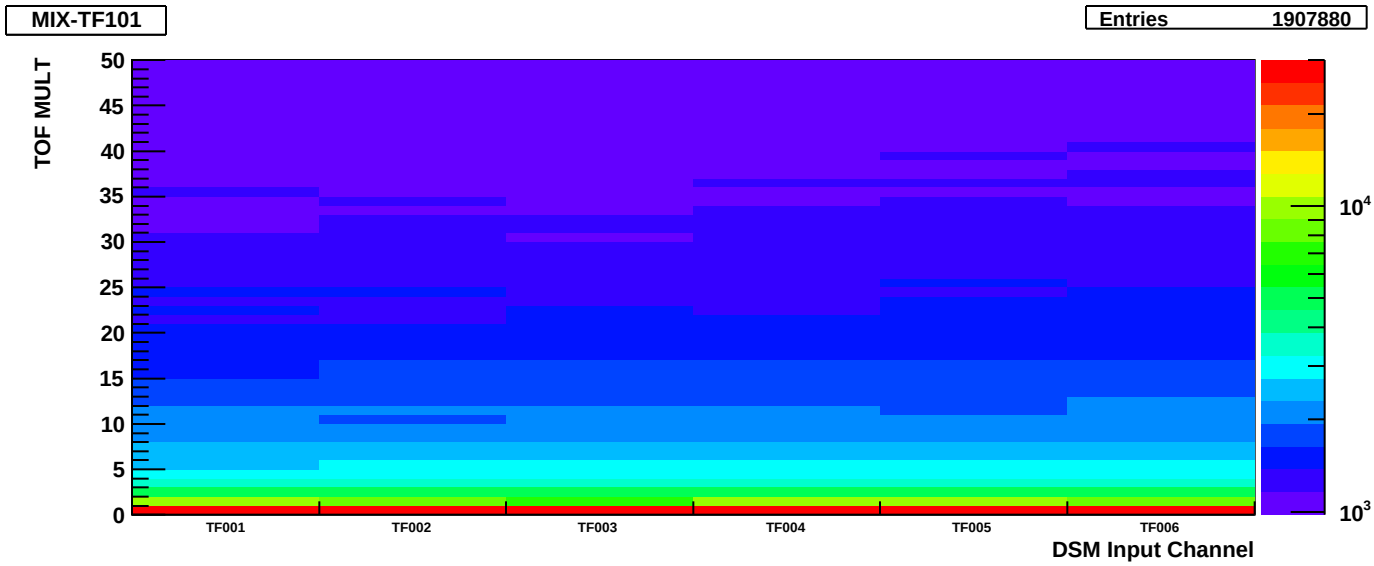

MIX-TF002
Entries 1.335516e+07
TOF MULT
TOF tray

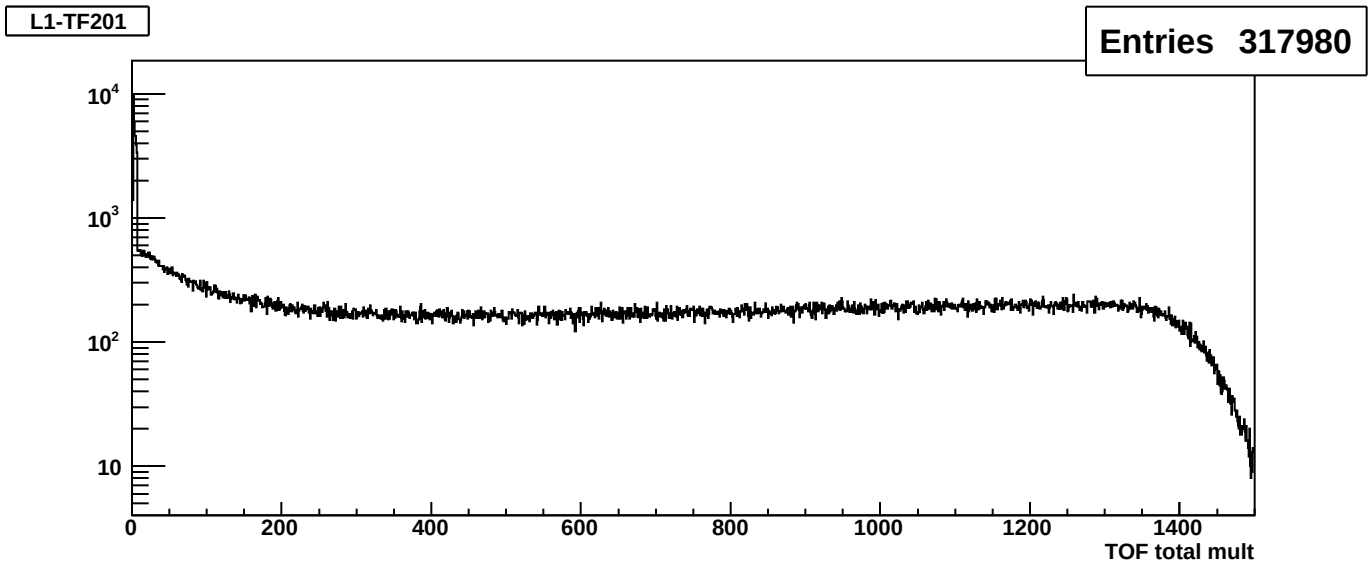

MIX-TF003
Entries 1.335516e+07
TOF MULT
TOF tray

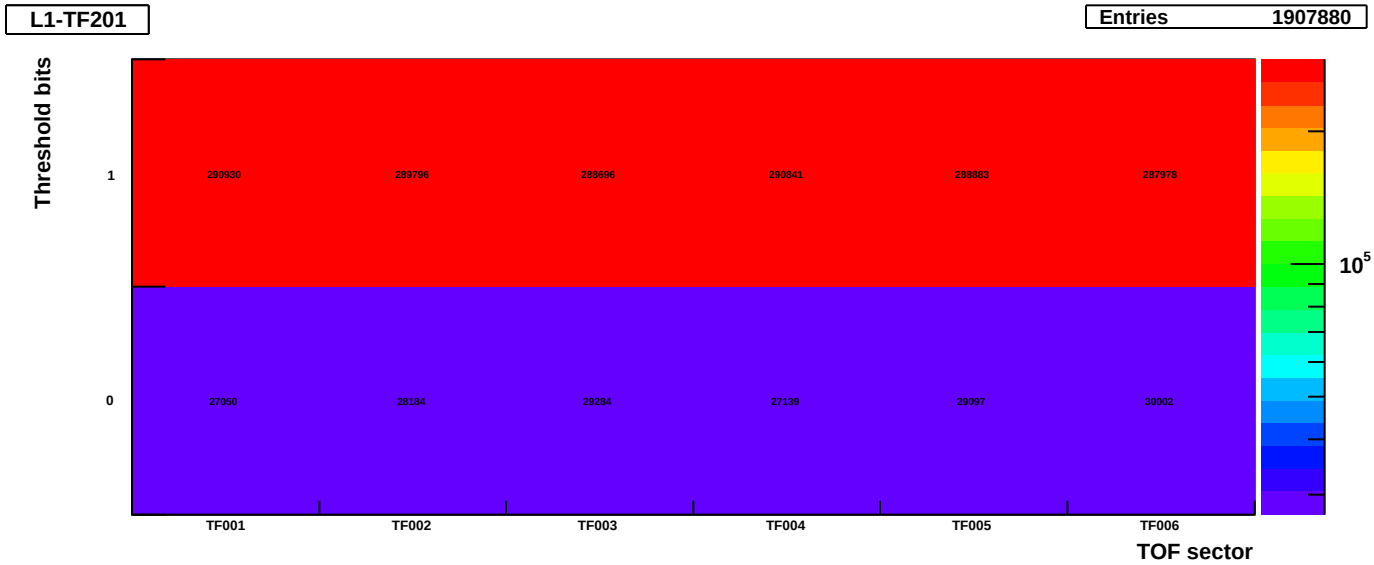

MIX-TF004
Entries 1.335516e+07
TOF MULT
TOF tray

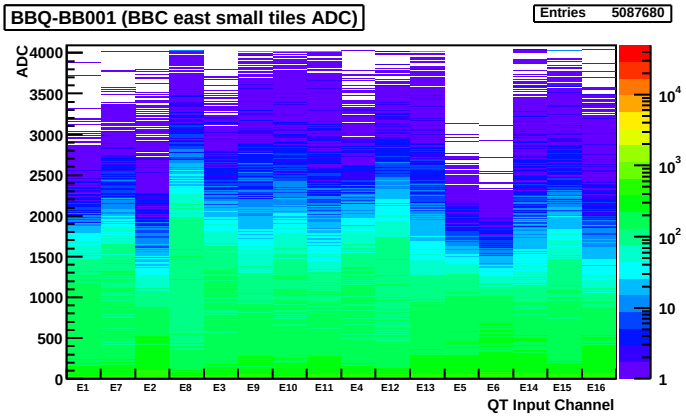

MIX-TF005
Entries 1.335516e+07
TOF MULT
TOF tray

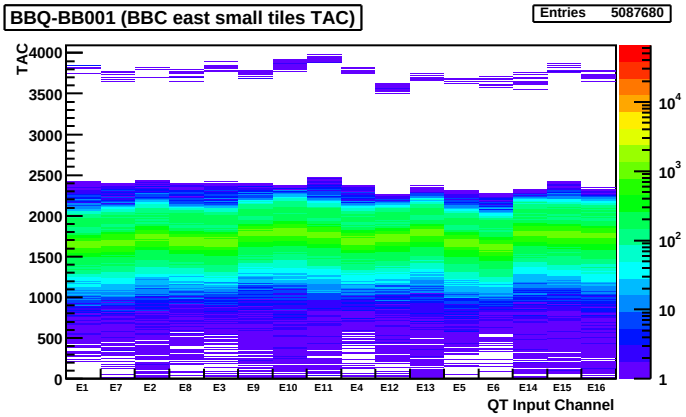

MIX-TF006
Entries 1.335516e+07
TOF MULT
TOF tray

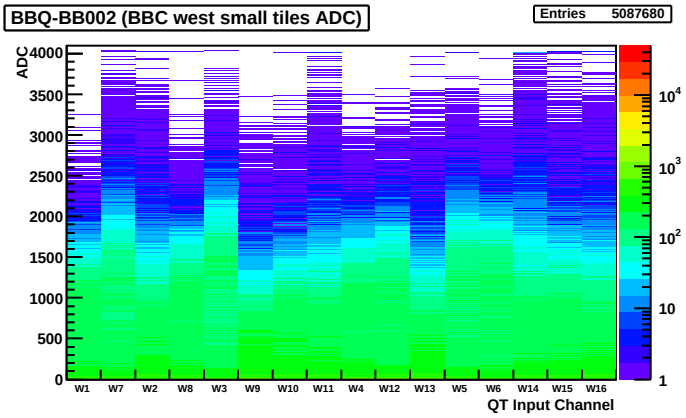

MIX-TF101
Entries 1907880
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4
10^3

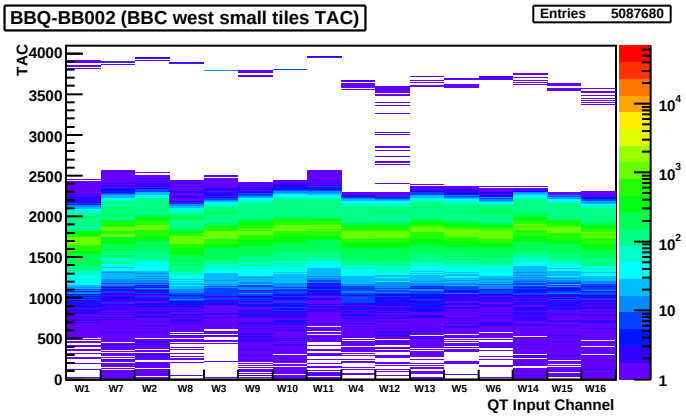

L1-TF201
Entries 317980
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

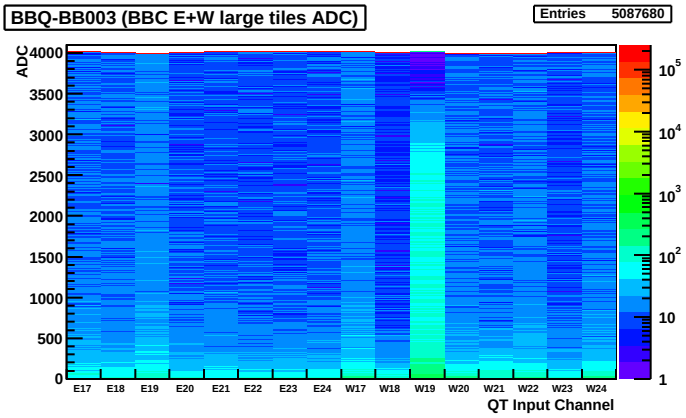

L1-TF201
Entries 1907880
Threshold bits
1
0
290930
289796
288696
290841
288883
287978
27050
28184
29284
27139
29097
30002
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

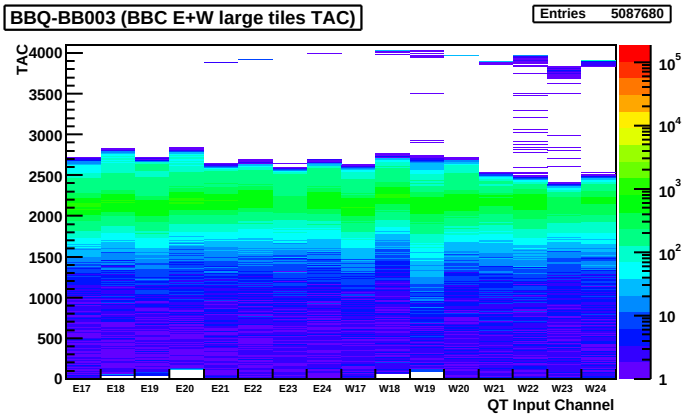

BBQ-BB001 (BBC east small tiles ADC)
Entries 5087680
ADC
QT Input Channel

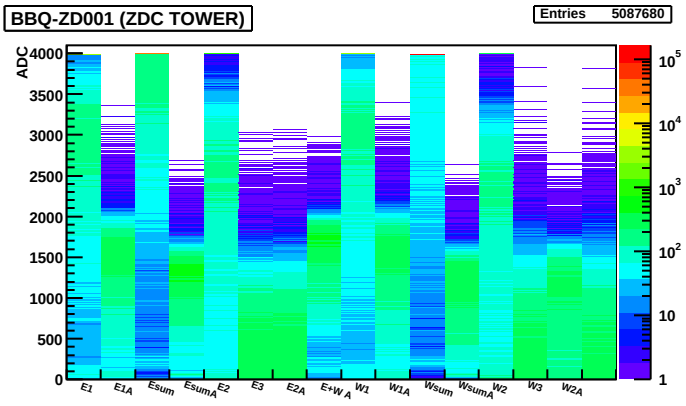

BBQ-BB001 (BBC east small tiles TAC)
Entries 5087680
TAC
QT Input Channel

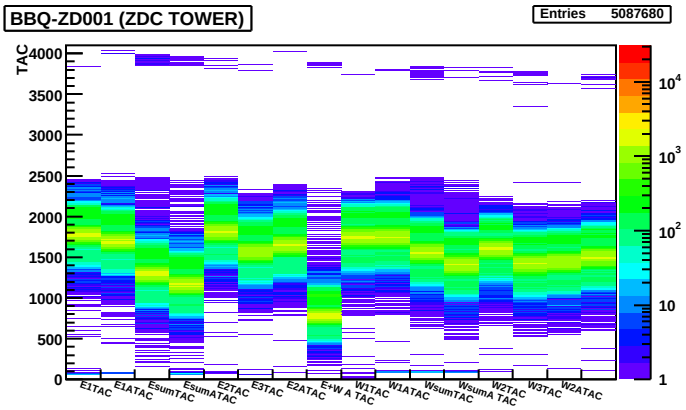

BBQ-BB002 (BBC west small tiles ADC)
Entries 5087680
ADC
QT Input Channel

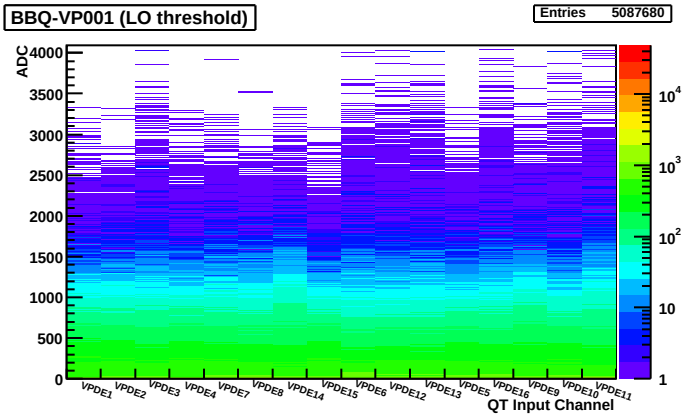

BBQ-BB002 (BBC west small tiles TAC)
Entries 5087680
TAC
QT Input Channel

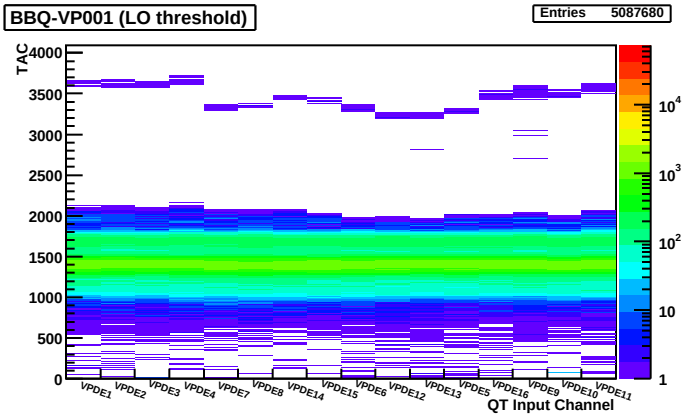

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 5087680
ADC
QT Input Channel

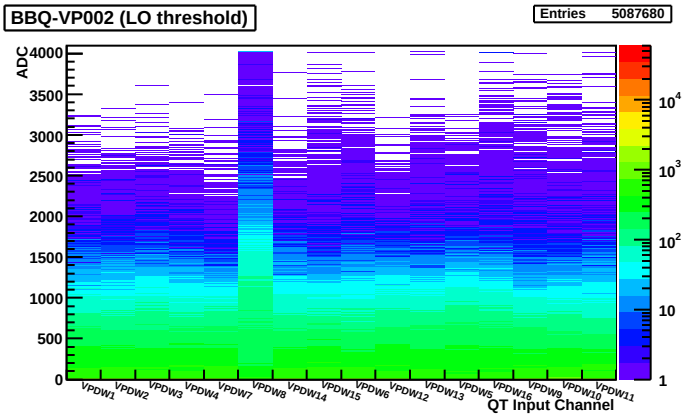

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 5087680
TAC
QT Input Channel

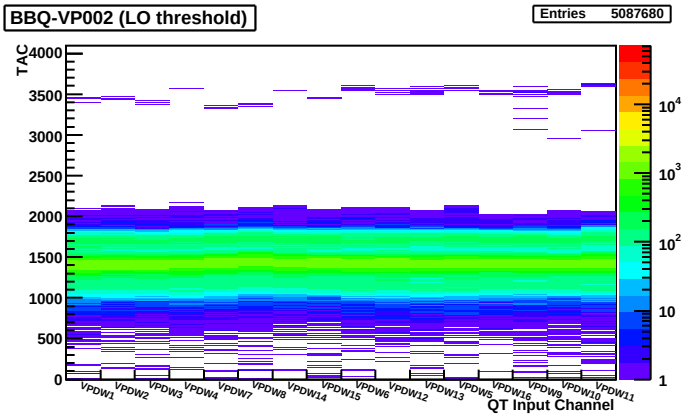

BBQ-ZD001 (ZDC TOWER)
Entries 5087680
ADC

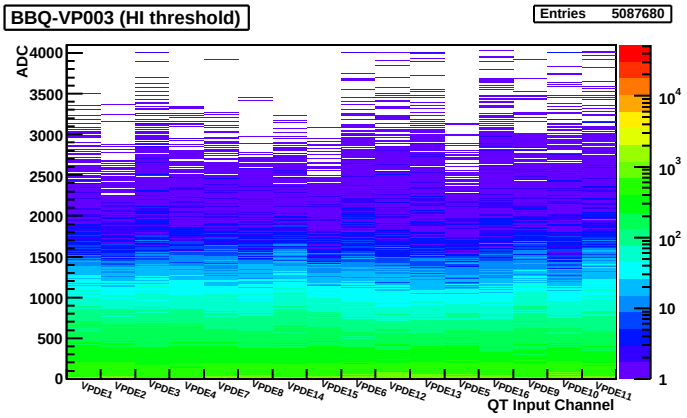

BBQ-ZD001 (ZDC TOWER)
Entries 5087680
TAC

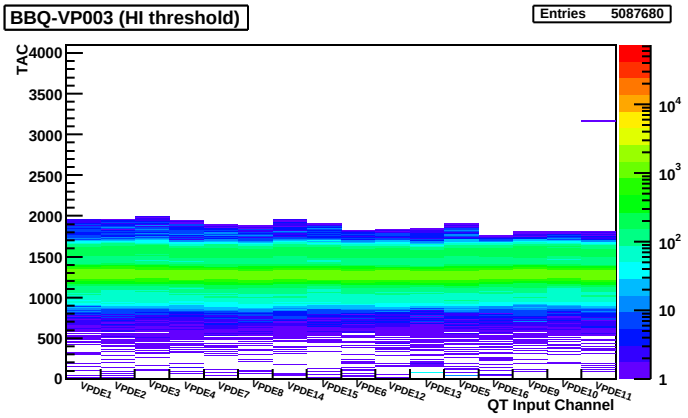

BBQ-VP001 (LO threshold)
Entries 5087680
ADC
QT Input Channel

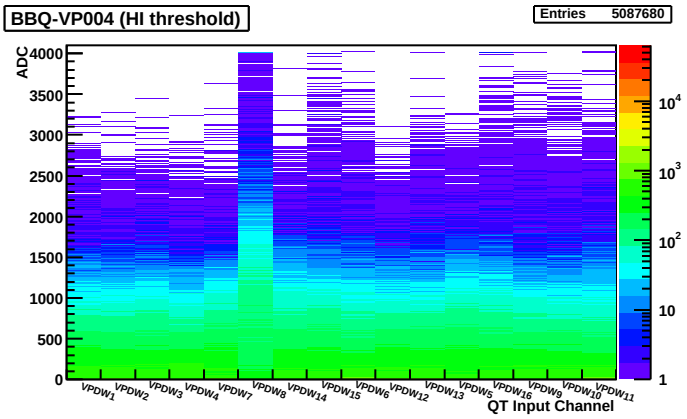

BBQ-VP001 (LO threshold)
Entries 5087680
TAC
QT Input Channel

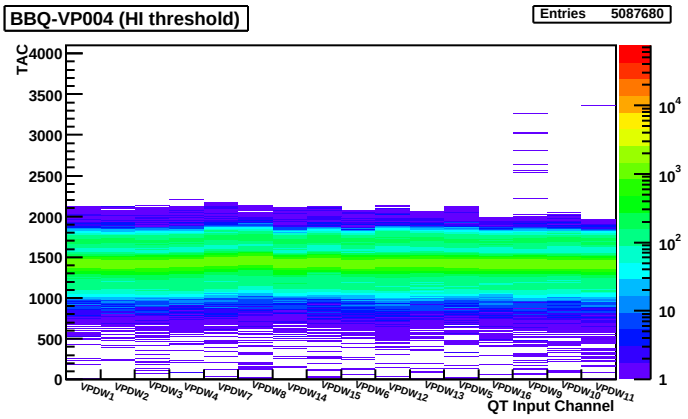

BBQ-VP002 (LO threshold)
Entries 5087680
ADC
QT Input Channel

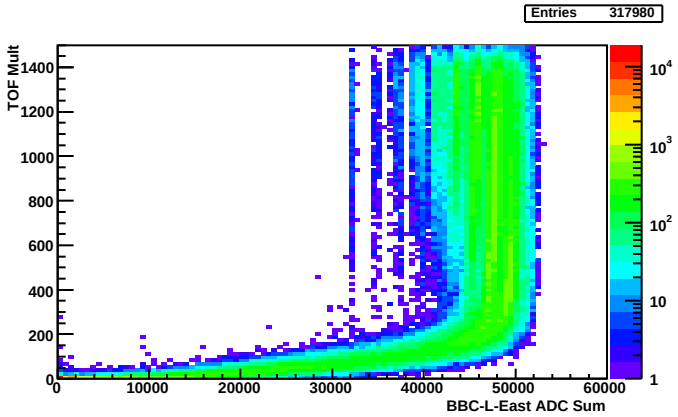

BBQ-VP002 (LO threshold)
Entries 5087680
TAC
QT Input Channel

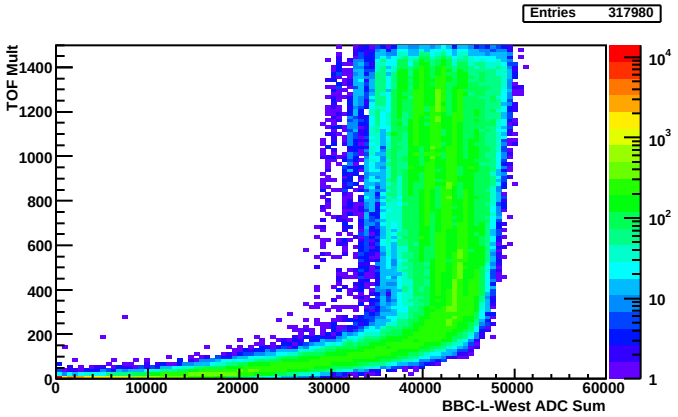

BBQ-VP003 (HI threshold)
Entries 5087680
ADC
QT Input Channel

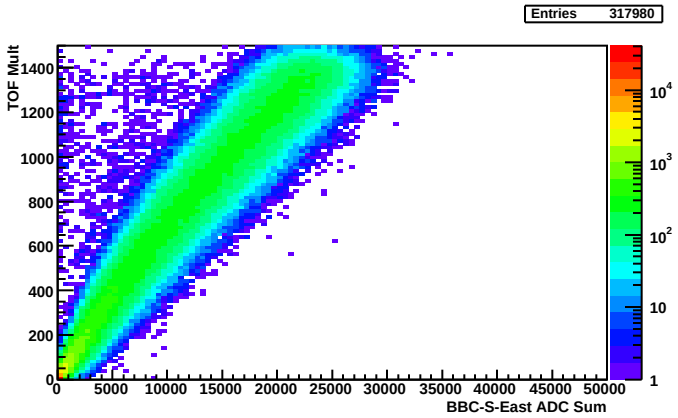

BBQ-VP003 (HI threshold)
Entries 5087680
TAC
QT Input Channel

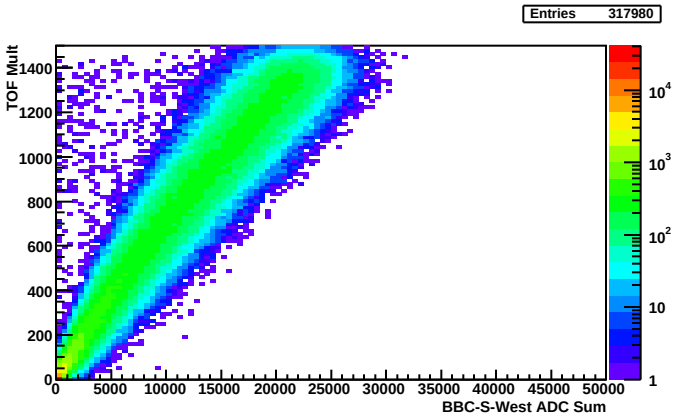

BBQ-VP004 (HI threshold)
Entries 5087680
ADC
QT Input Channel

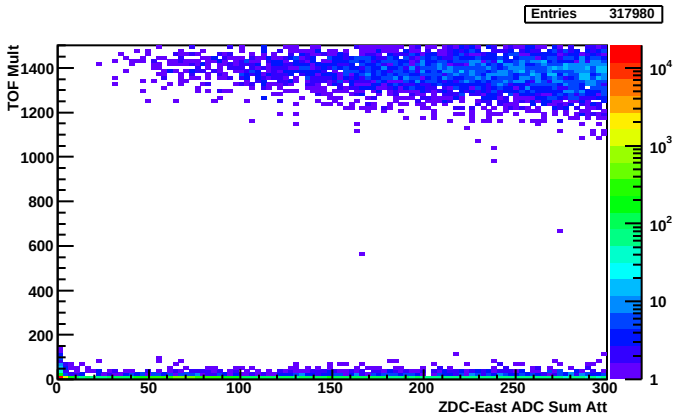

BBQ-VP004 (HI threshold)
Entries 5087680
TAC
QT Input Channel

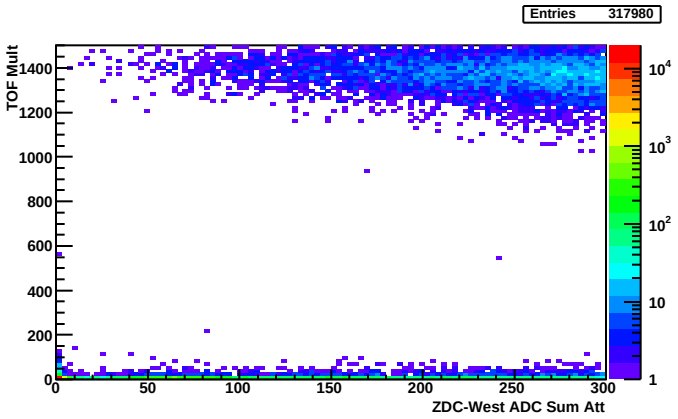

Entries 317980
TOF Mult
BBC-L-East ADC Sum

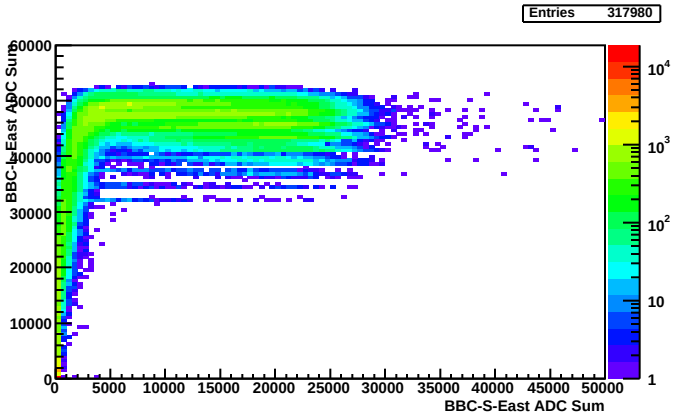

Entries 317980
TOF Mult
BBC-L-West ADC Sum

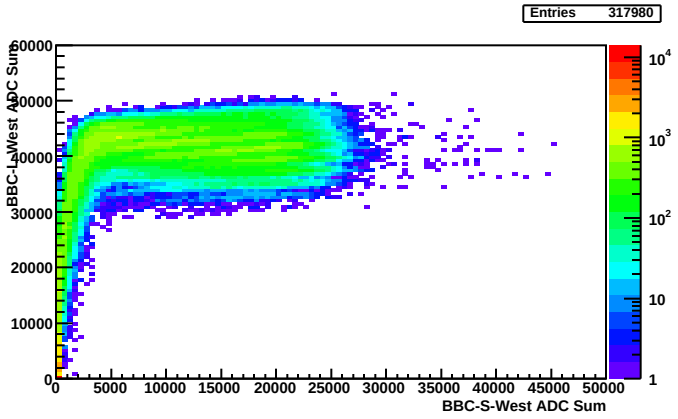

Entries 317980
TOF Mult
BBC-S-East ADC Sum

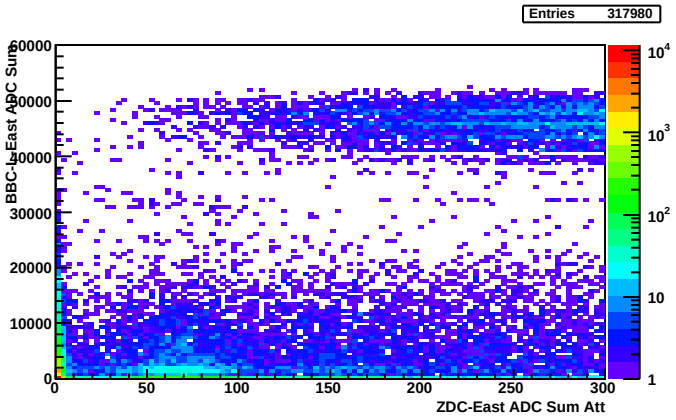

Entries 317980
TOF Mult
BBC-S-West ADC Sum

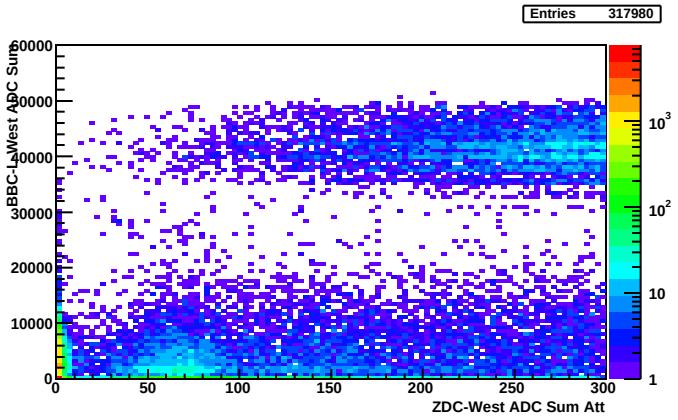

Entries 317980
TOF Mult
ZDC-East ADC Sum Att


Entries 317980
TOF Mult
ZDC-West ADC Sum Att


Entries 317980
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 317980
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 317980
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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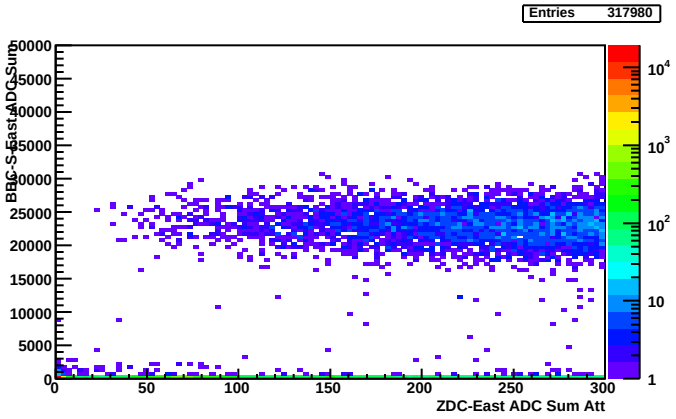
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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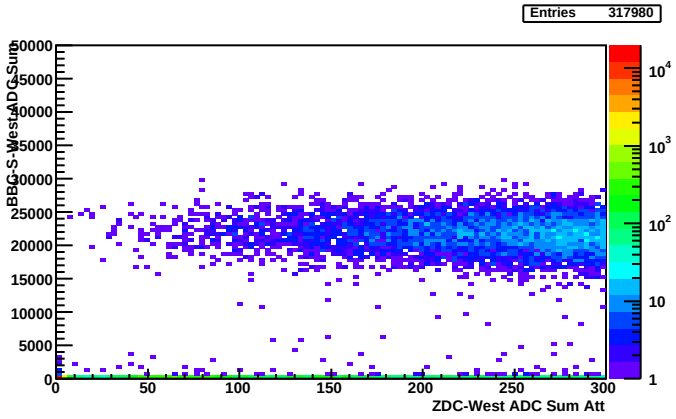
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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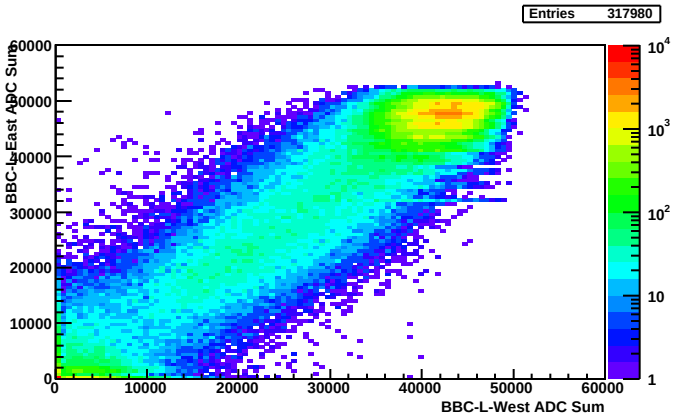
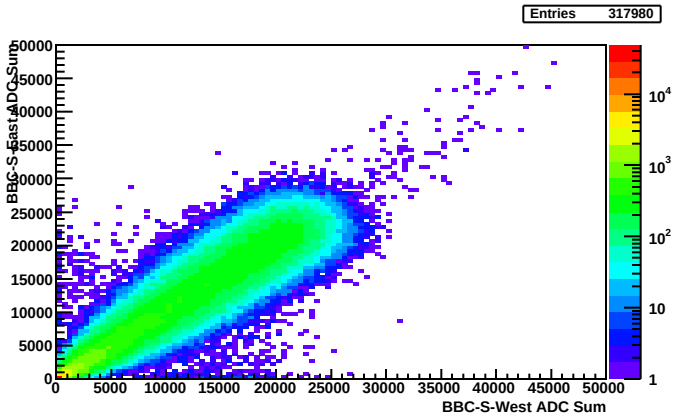
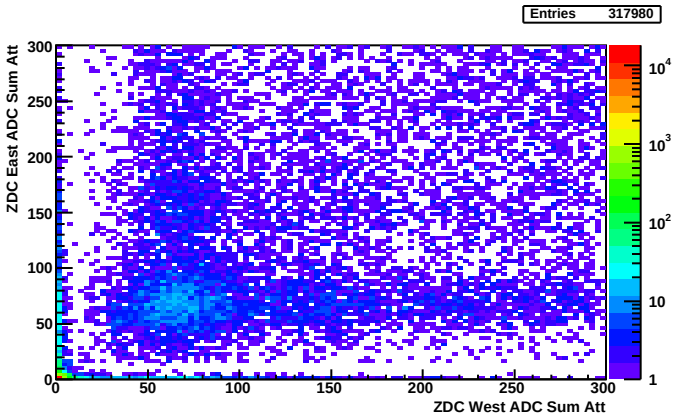
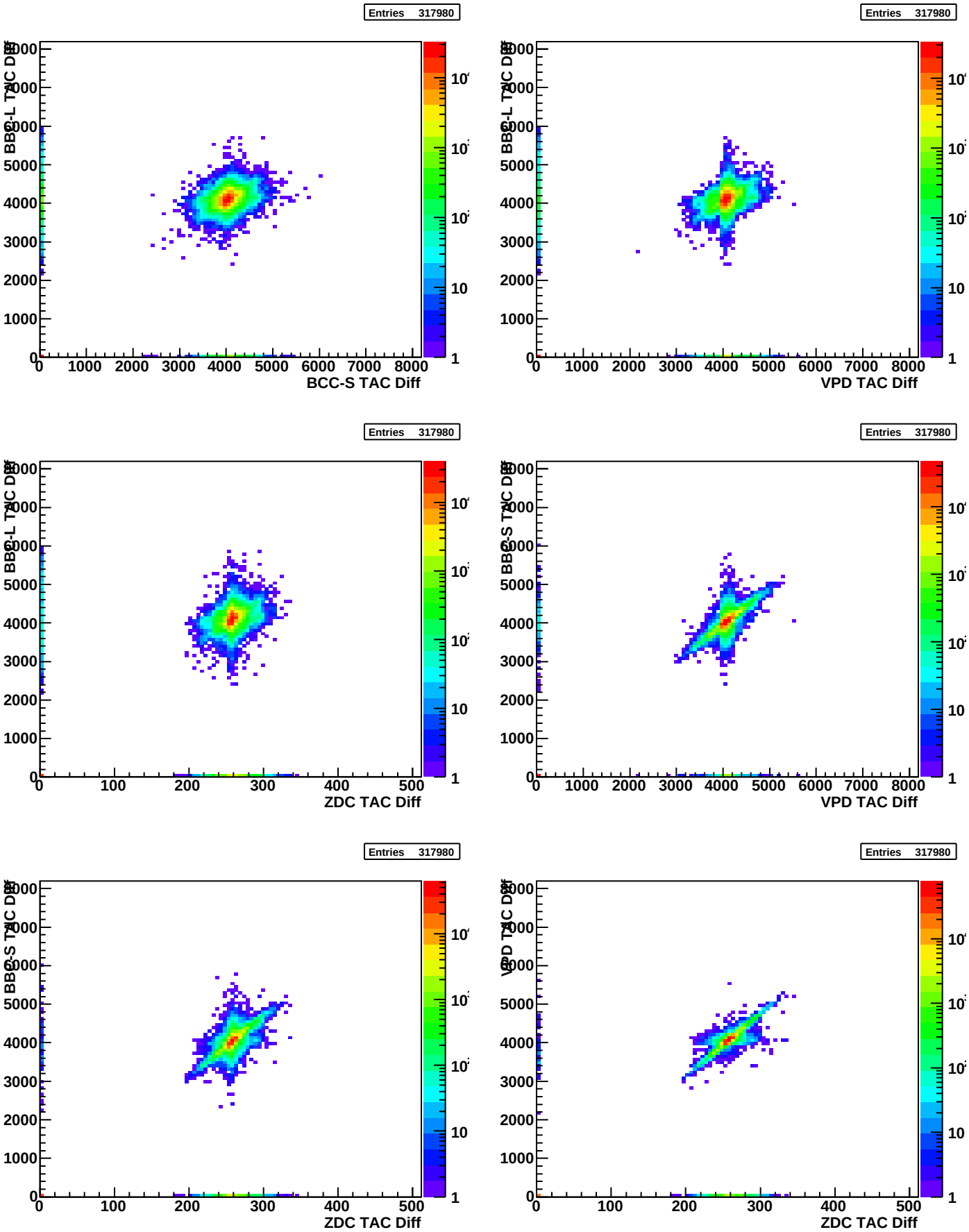
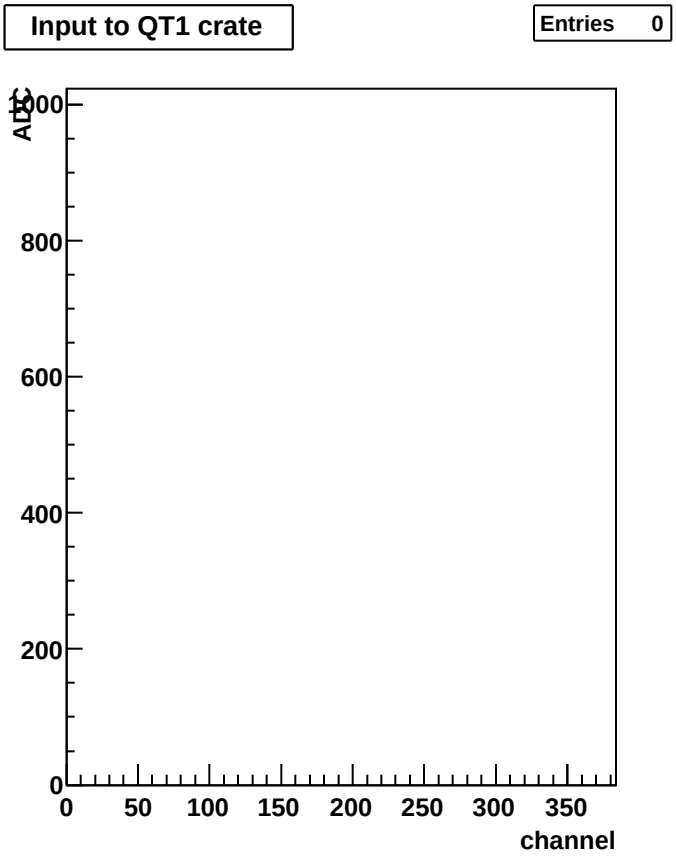
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

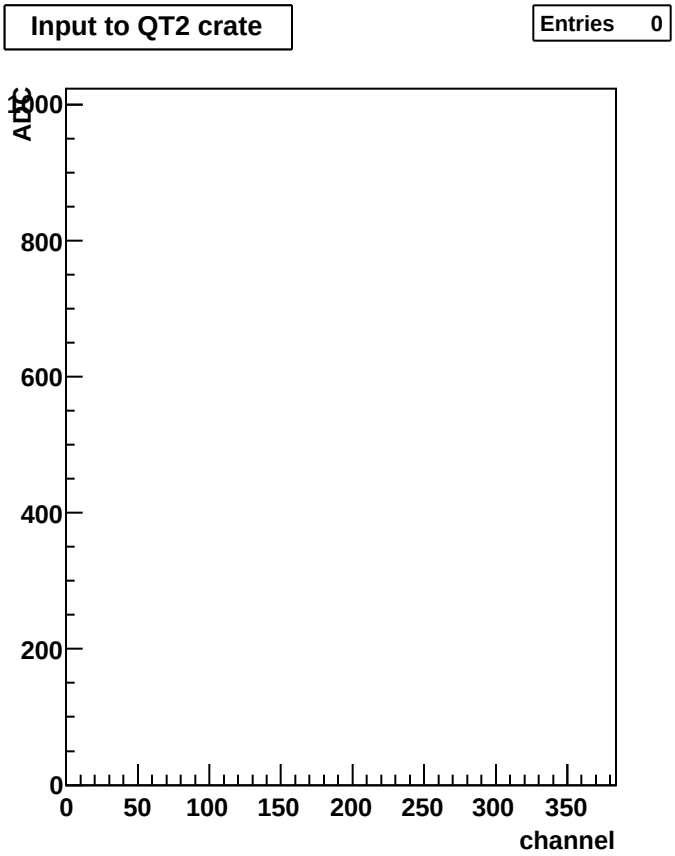

Entries 317980
BBC-L-East ADC Sum
BBC-L-West ADC Sum

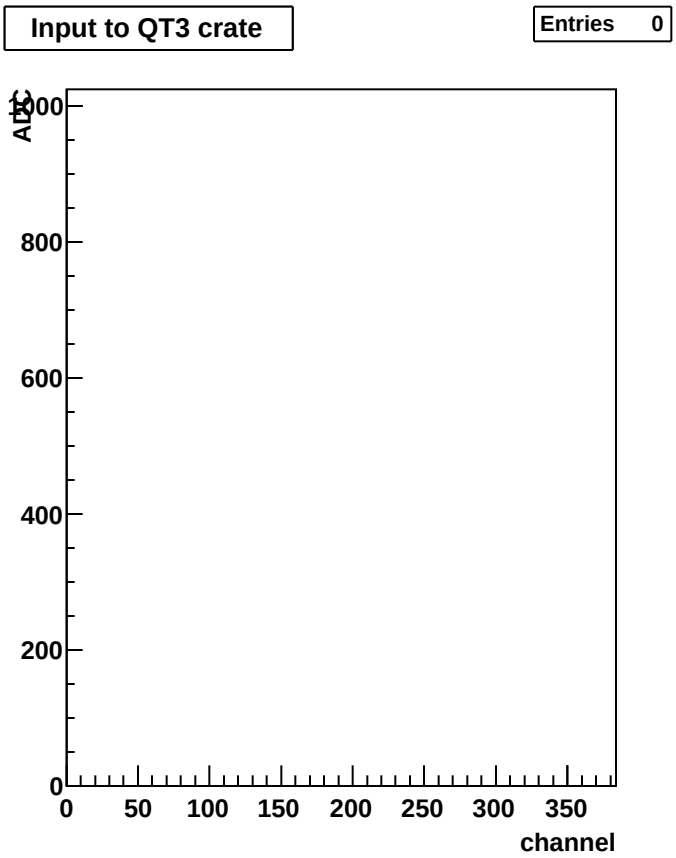

Entries 317980
BBC-S-East ADC Sum
BBC-S-West ADC Sum

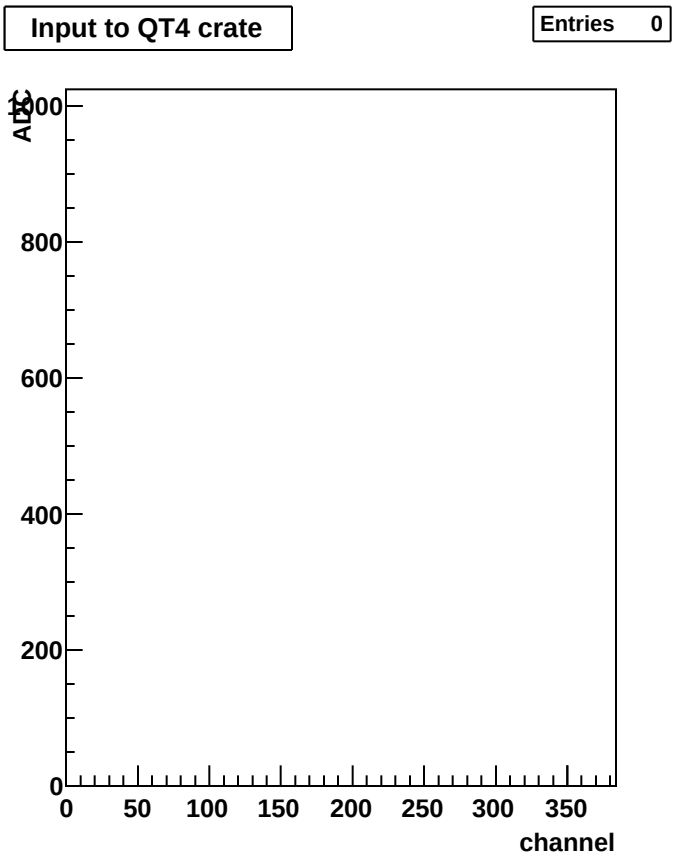

Entries 317980
ZDC East ADC Sum Att
ZDC West ADC Sum Att

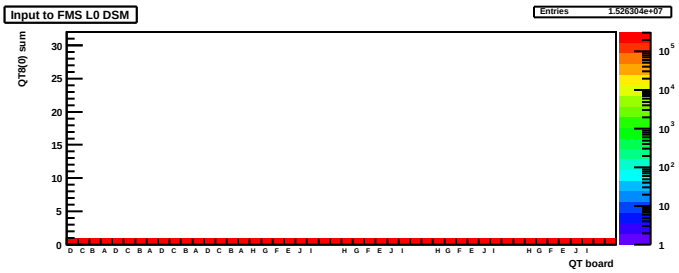

Entries 317980
BBC-L TAC Diff
BCC-S TAC Diff
Entries 317980
BBC-L TAC Diff
VPD TAC Diff
Entries 317980
BBC-L TAC Diff
ZDC TAC Diff
Entries 317980
BBC-S TAC Diff
VPD TAC Diff
Entries 317980
BBC-S TAC Diff
ZDC TAC Diff
Entries 317980
VPD TAC Diff
ZDC TAC Diff

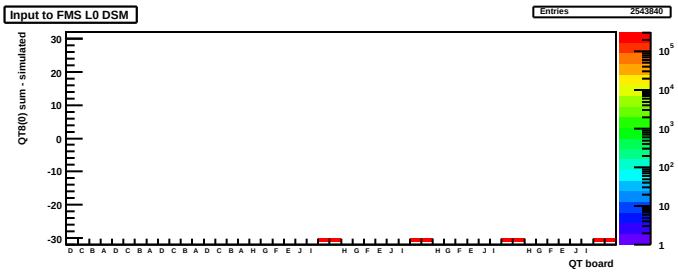

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

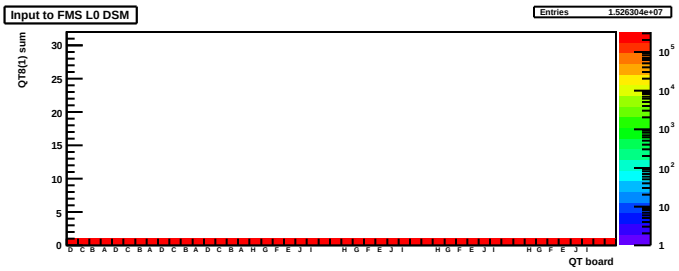

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

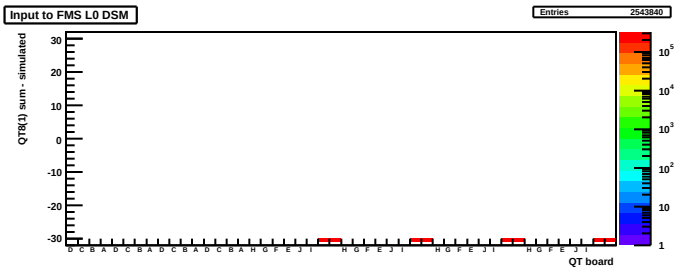

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

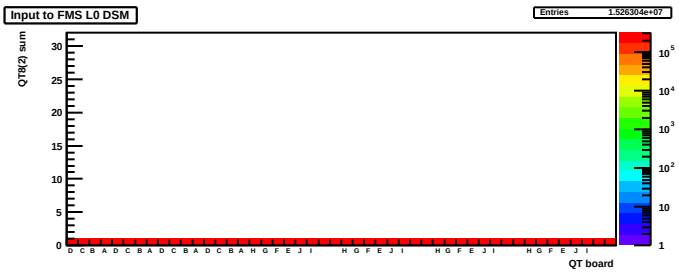

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

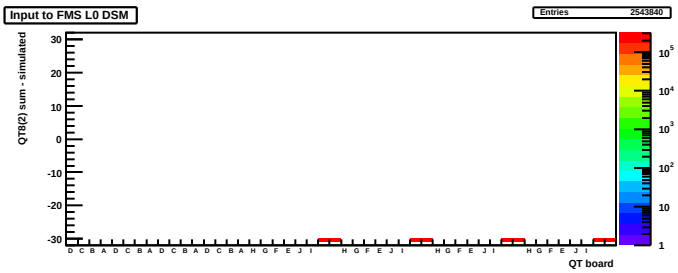

Input to FMS L0 DSM
Entries 1.526304e+07
QT8(0) sum
QT board

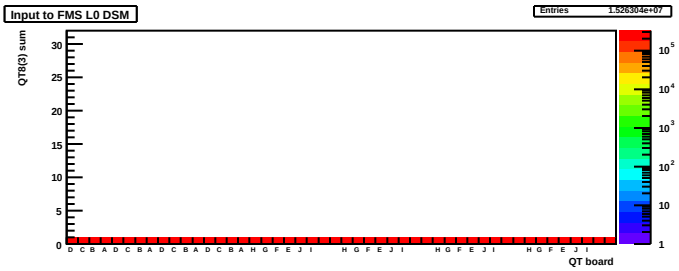

Input to FMS L0 DSM
Entries 2543840
QT8(0) sum - simulated
QT board

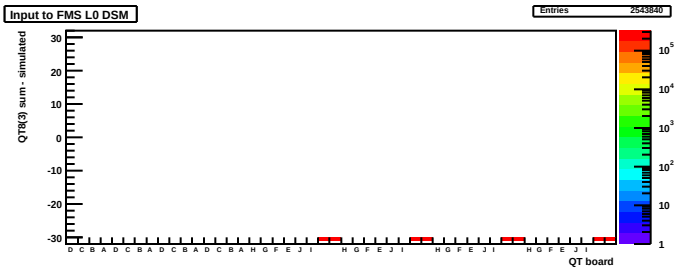

Input to FMS L0 DSM
Entries 1.526304e+07
QT8(1) sum
QT board

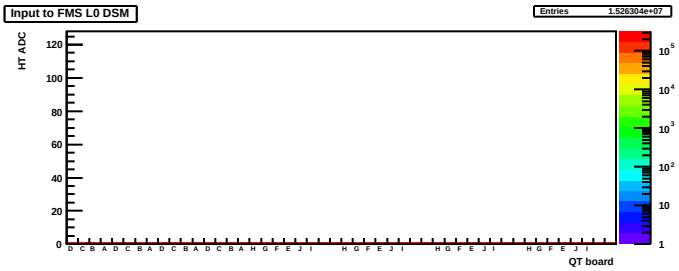

Input to FMS L0 DSM
Entries 2543840
QT8(1) sum - simulated
QT board

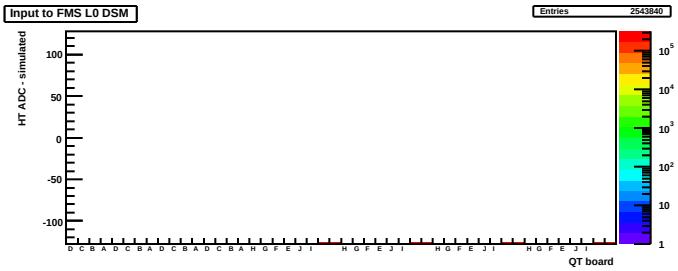

Input to FMS L0 DSM
Entries 1.526304e+07
QT8(2) sum
QT board

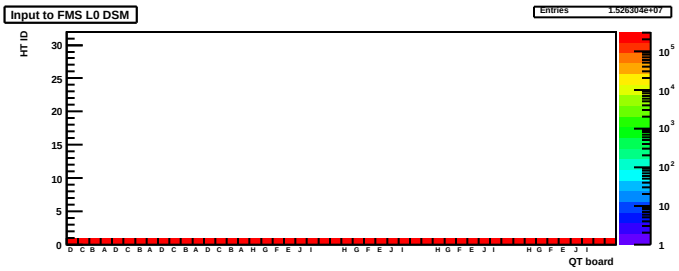

Input to FMS L0 DSM
Entries 2543840
QT8(2) sum - simulated
QT board

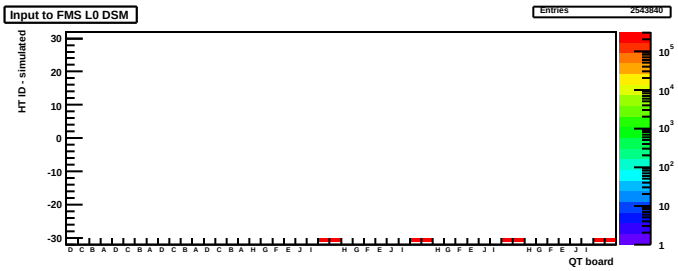

Input to FMS L0 DSM
Entries 1.526304e+07
QT8(3) sum
QT board

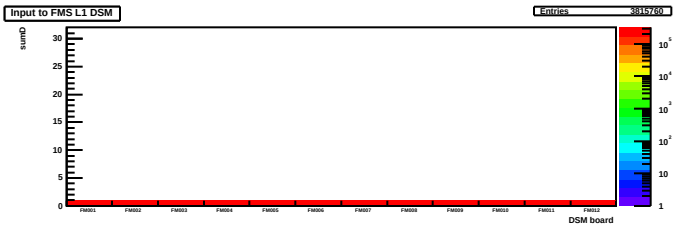

Input to FMS L0 DSM
Entries 2543840
QT8(3) sum - simulated
QT board

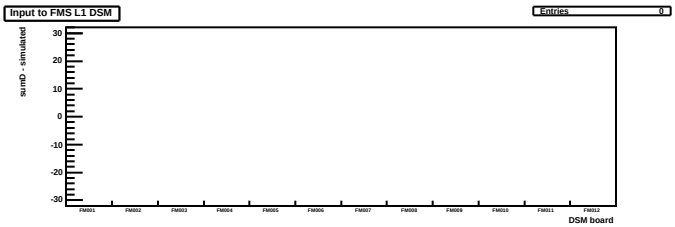

Input to FMS L0 DSM
Entries 1.526304e+07
HT ADC
QT board

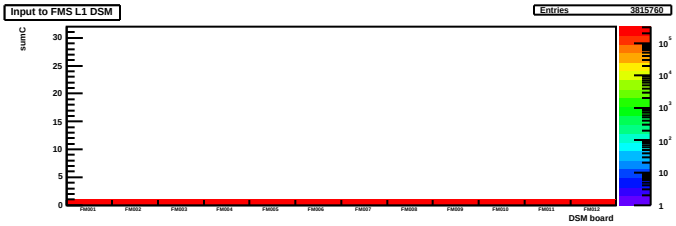

Input to FMS L0 DSM
Entries 2543840
HT ADC - simulated
QT board

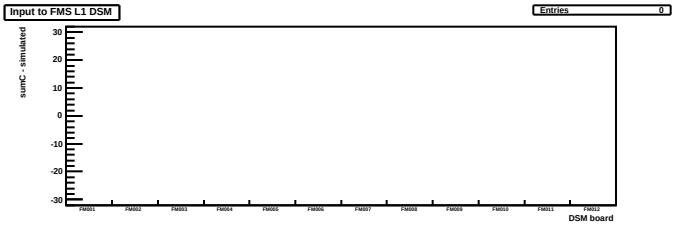

Input to FMS L0 DSM
Entries 1.526304e+07
HT ID
QT board

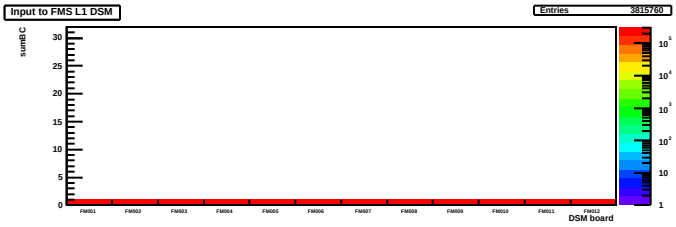

Input to FMS L0 DSM
Entries 2543840
HT ID - simulated
QT board

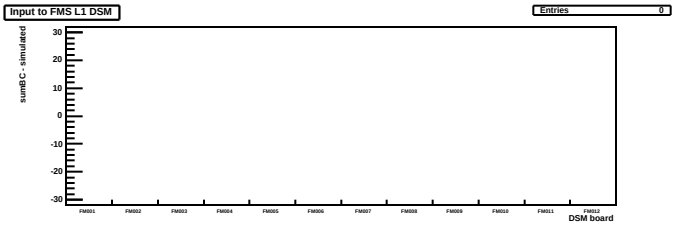

Input to FMS L1 DSM
Entries 3815760
sumD
DSM board

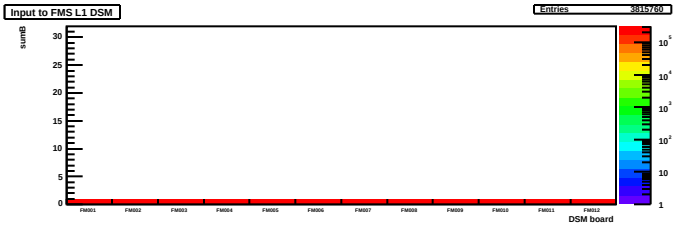

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

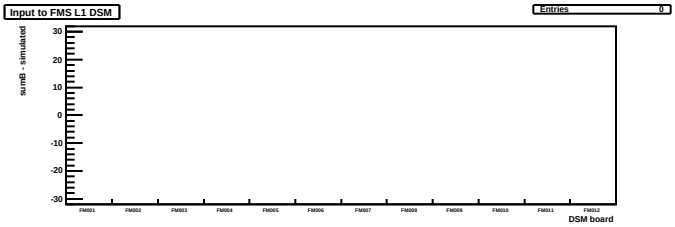

Input to FMS L1 DSM
Entries 3815760
sumC
DSM board

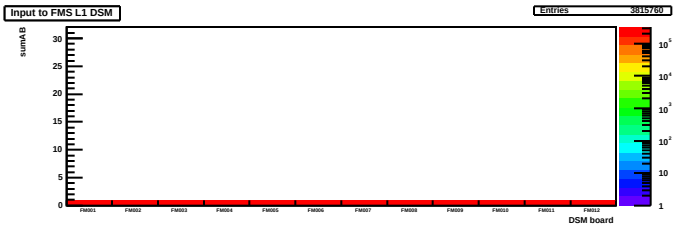

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

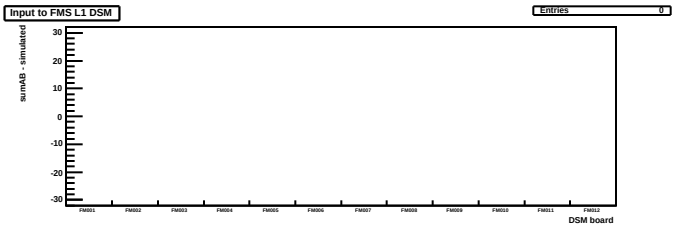

Input to FMS L1 DSM
Entries 3815760
sumBC
DSM board

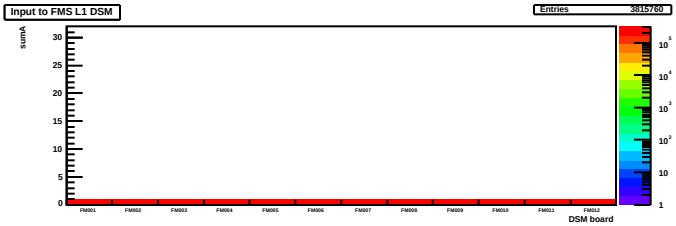

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

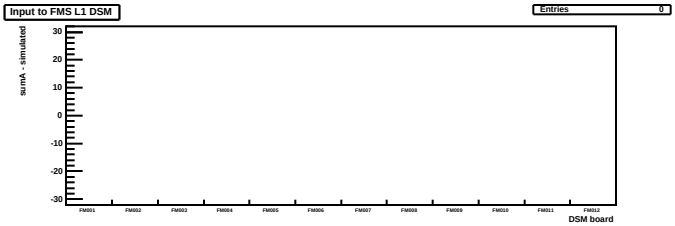

Input to FMS L1 DSM
Entries 3815760
sumB
DSM board

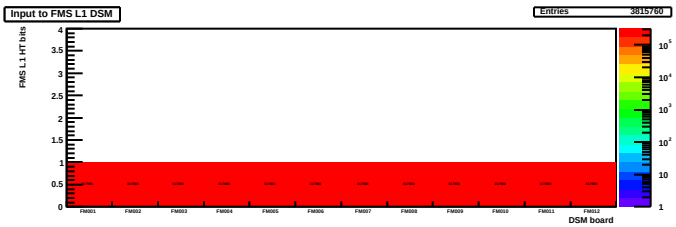

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

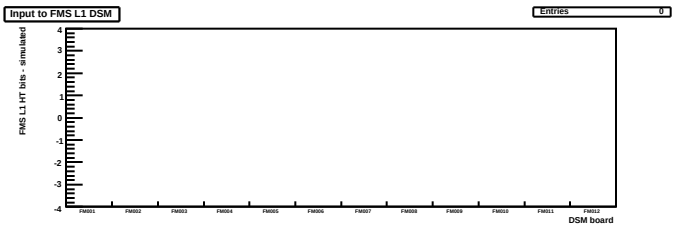

Input to FMS L1 DSM
Entries 3815760
sumAB
DSM board

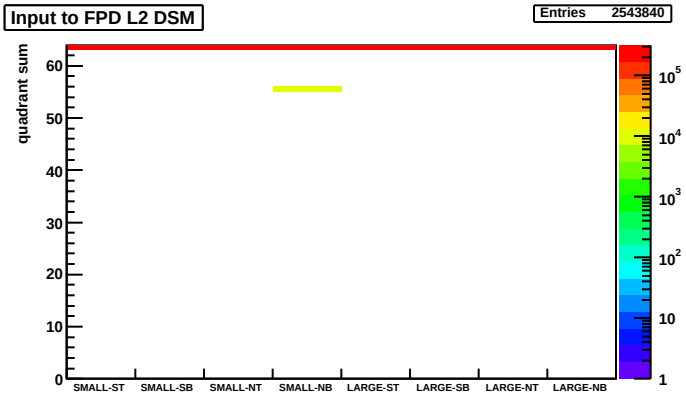

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

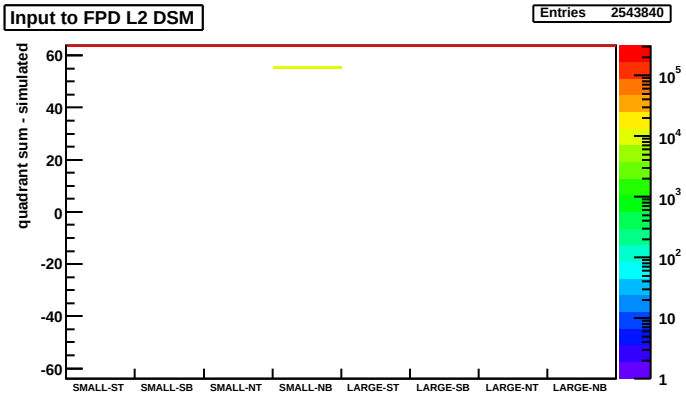

Input to FMS L1 DSM
Entries 3815760
sumA
DSM board

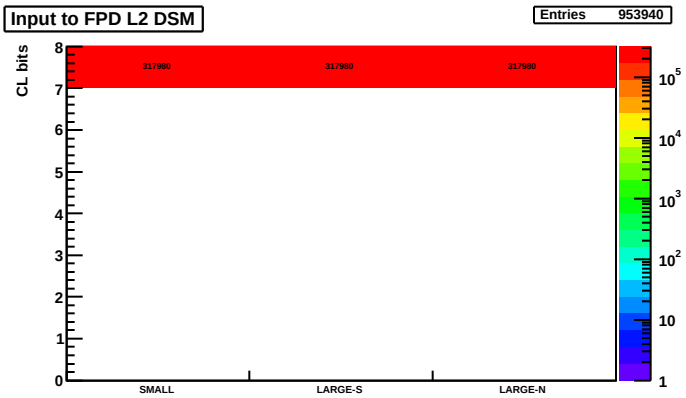

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

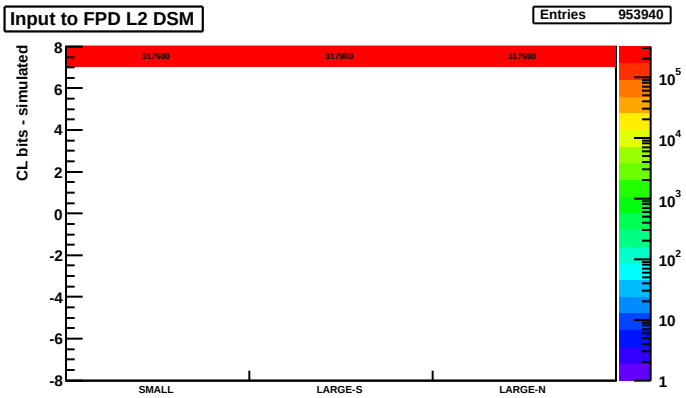

Input to FMS L1 DSM
Entries 3815760
FMS L1 HT bits
DSM board

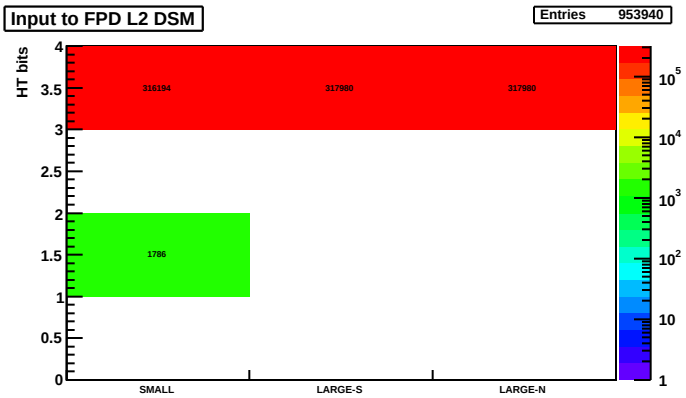

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

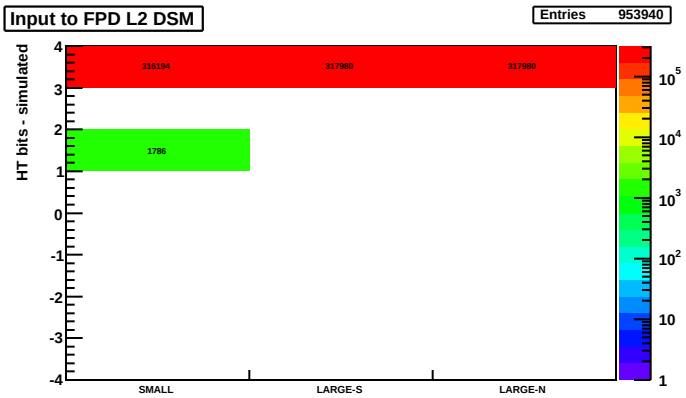

Input to FPD L2 DSM
Entries 2543840
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

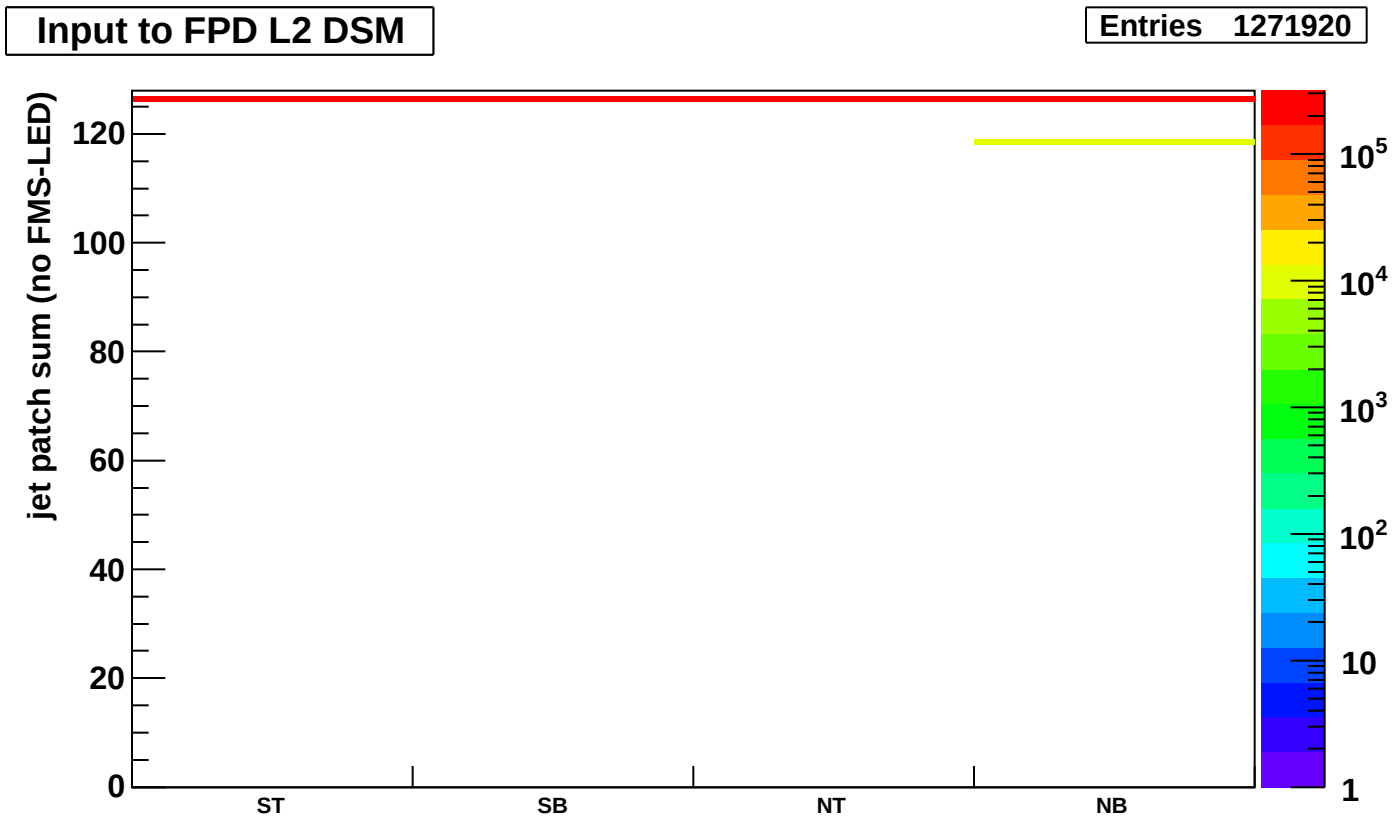

Input to FPD L2 DSM
Entries 2543840
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

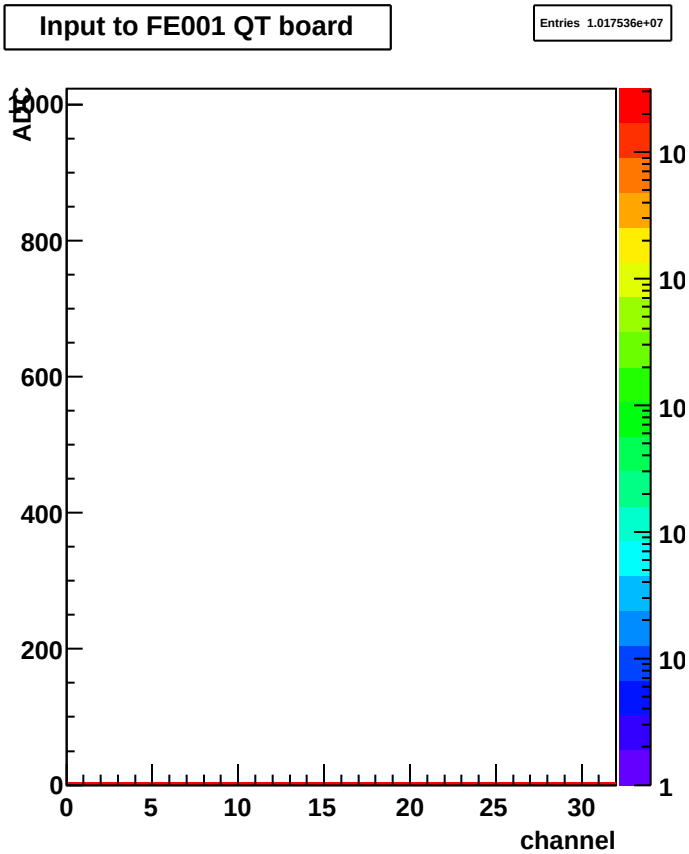

Input to FPD L2 DSM
Entries 953940
CL bits
317980
317980
317980
SMALL
LARGE-S
LARGE-N

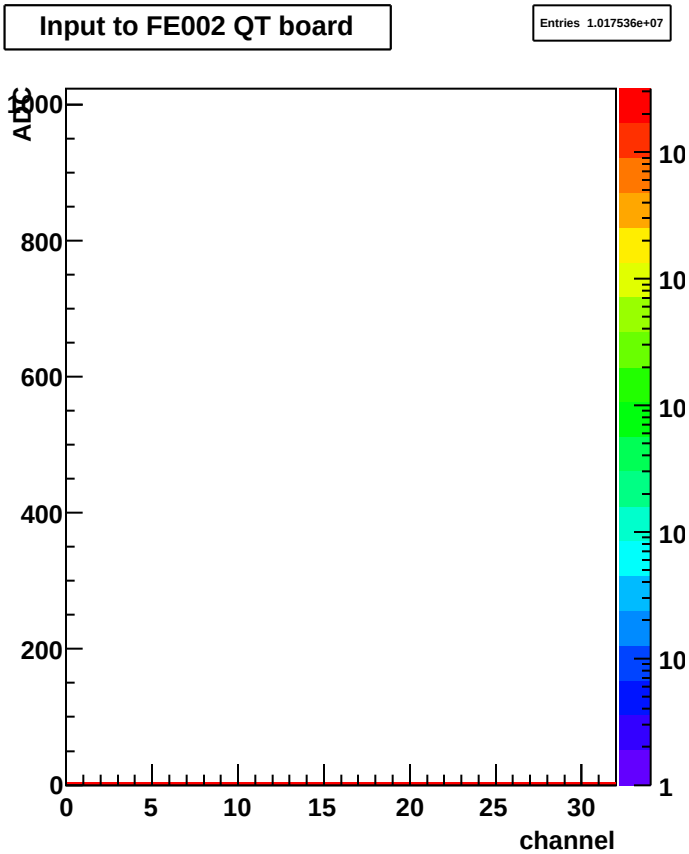

Input to FPD L2 DSM
Entries 953940
CL bits - simulated
317980
317980
317980
SMALL
LARGE-S
LARGE-N

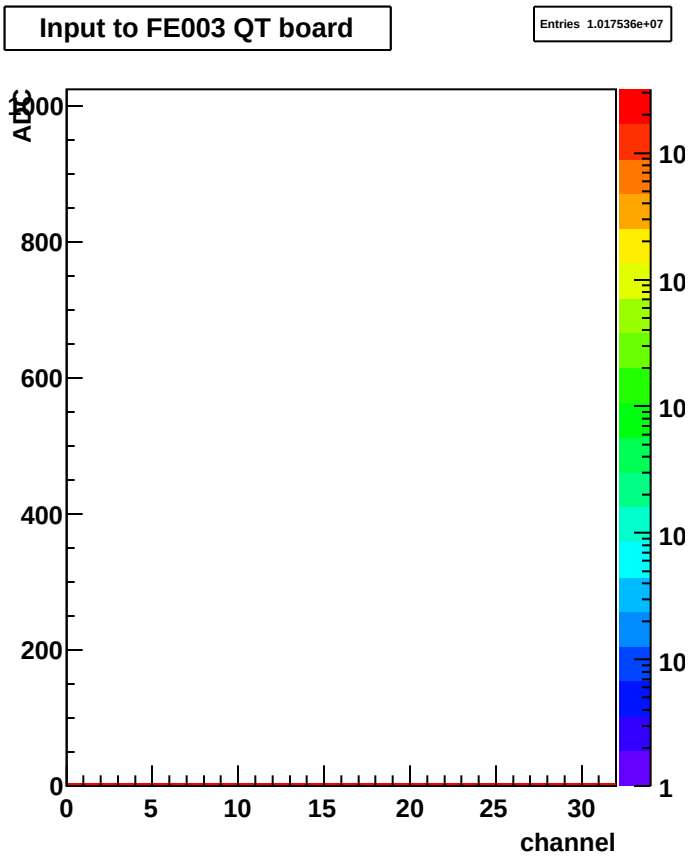

Input to FPD L2 DSM
Entries 953940
HT bits
316194
317980
317980
1786
SMALL
LARGE-S
LARGE-N

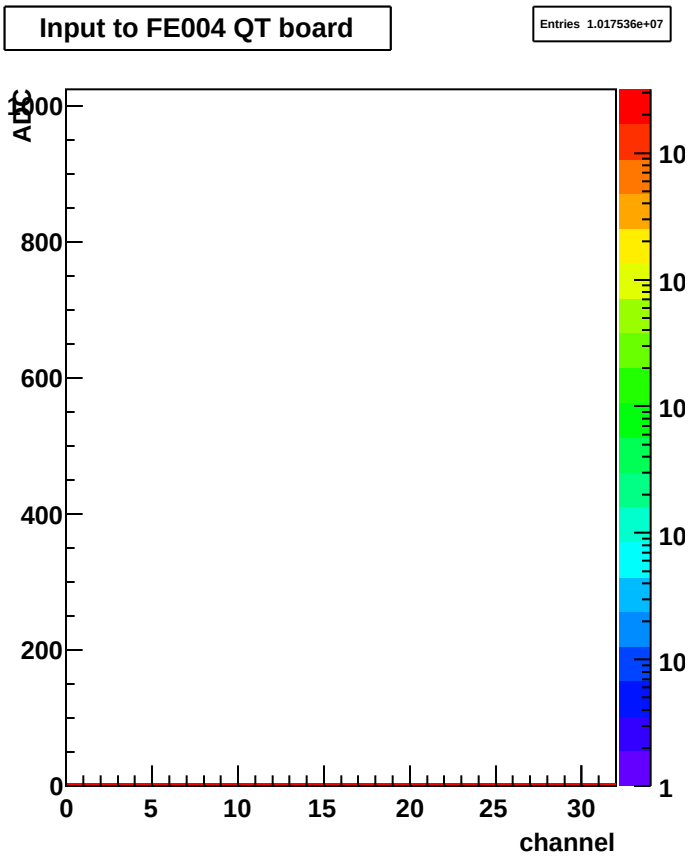

Input to FPD L2 DSM
Entries 953940
HT bits - simulated
316194
317980
317980
1786
SMALL
LARGE-S
LARGE-N

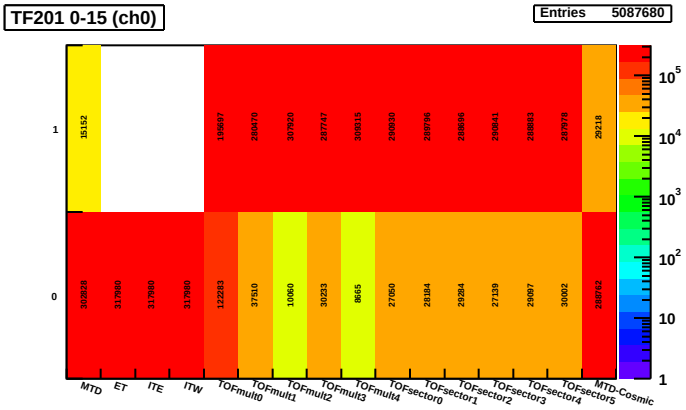

Input to FPD L2 DSM
Entries 1271920
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

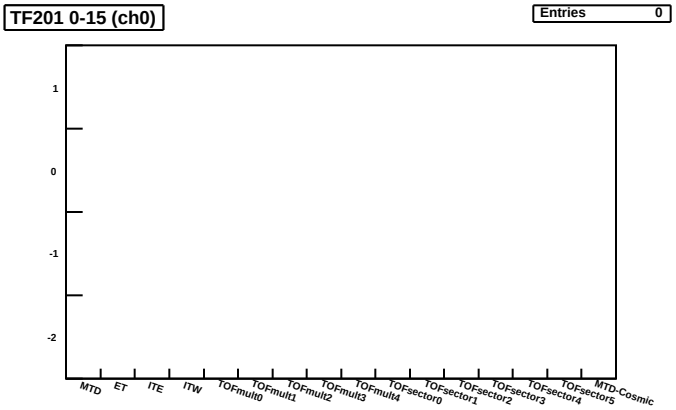

Input to FE001 QT board
Entries 1.017536e+07
ADC
channel

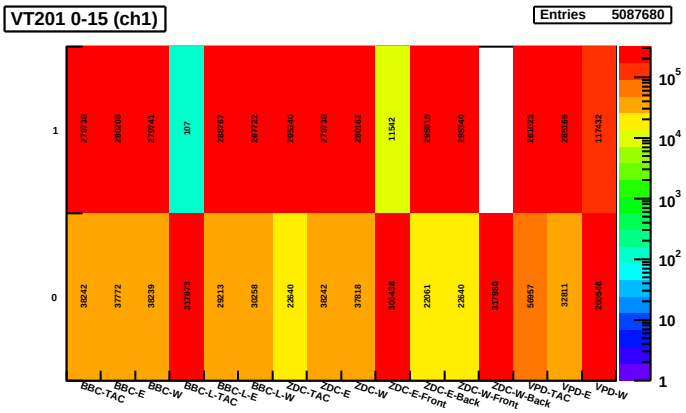

Input to FE002 QT board
Entries 1.017536e+07
ADC
channel

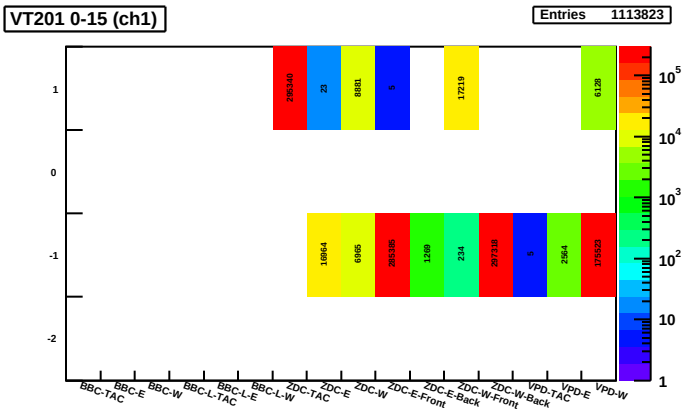

Input to FE003 QT board
Entries 1.017536e+07
ADC
channel

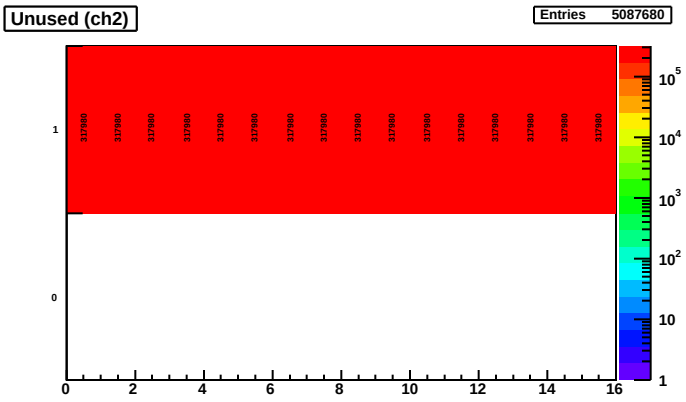

Input to FE004 QT board
Entries 1.017536e+07
ADC
channel

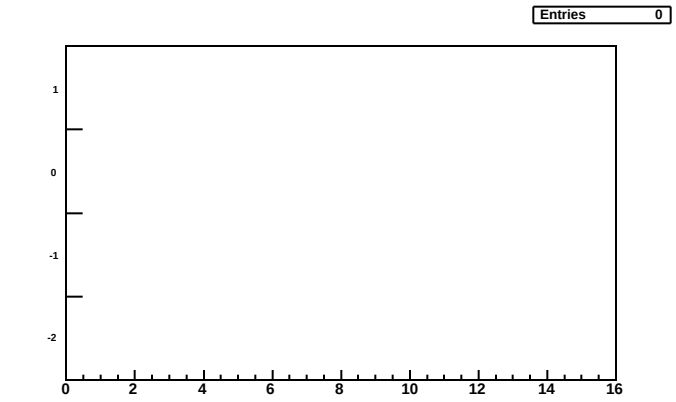

TF201 0-15 (ch0)
Entries 5087680
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

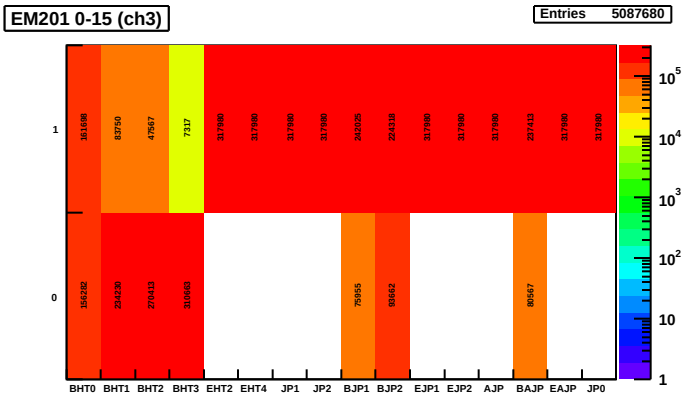

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

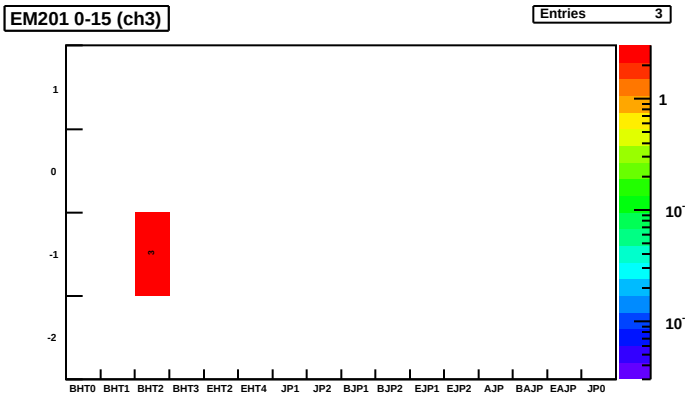

VT201 0-15 (ch1)
Entries 5087680
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1113823
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

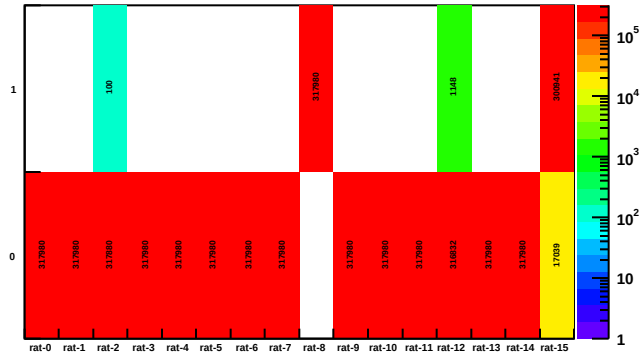

Unused (ch2)
Entries 5087680

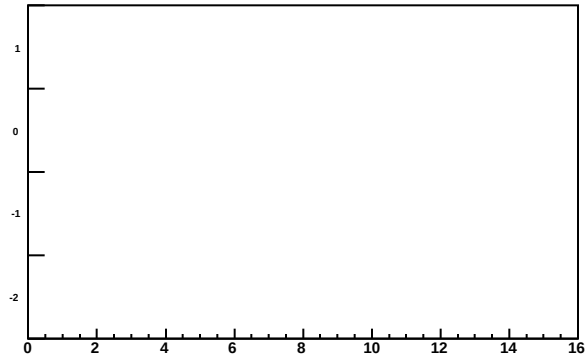

Entries 0


EM201 0-15 (ch3)
Entries 5087680
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

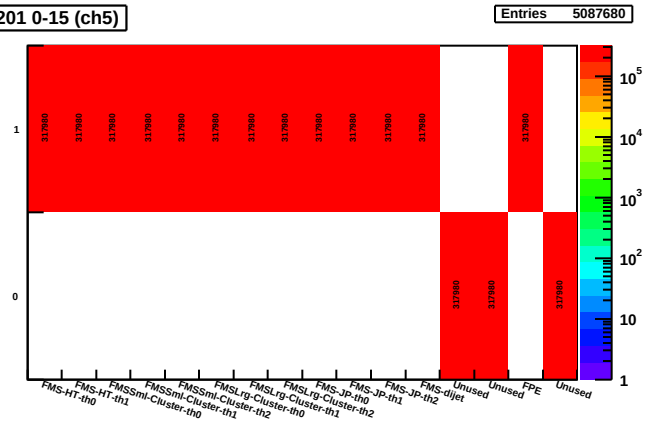

EM201 0-15 (ch3)
Entries 3
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

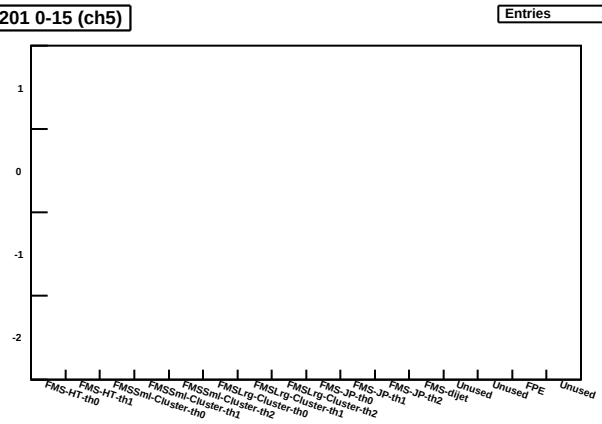




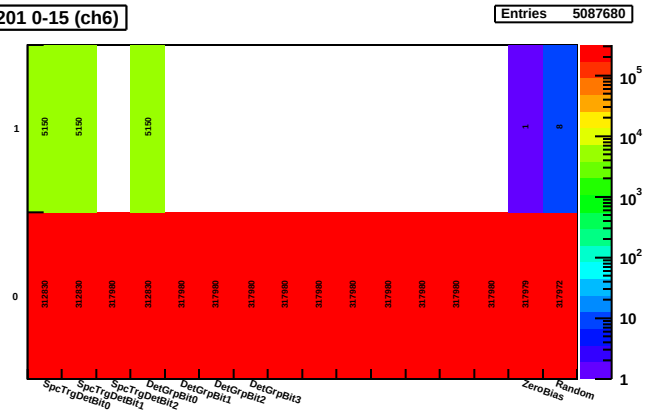
FP201 0-15 (ch5)

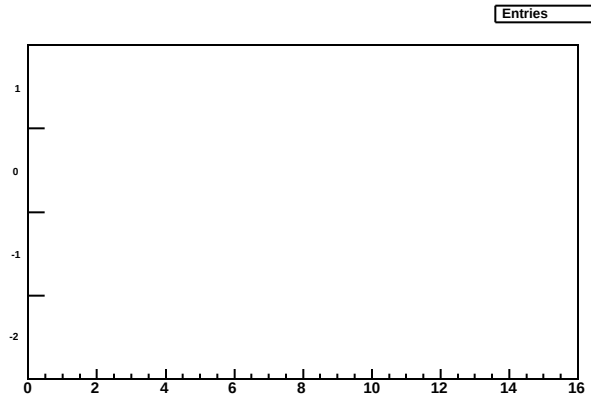
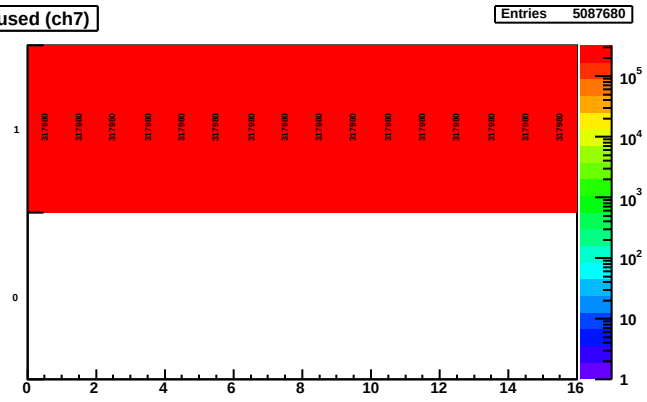
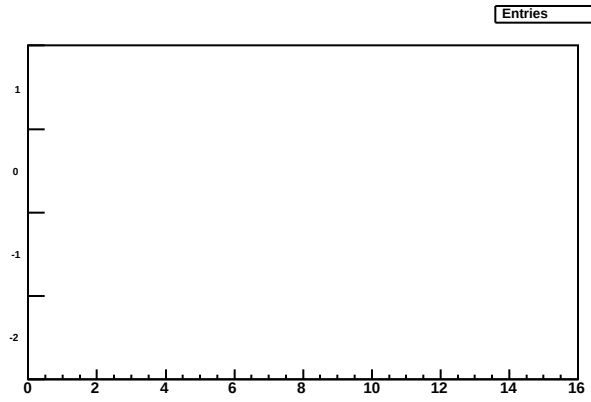


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)