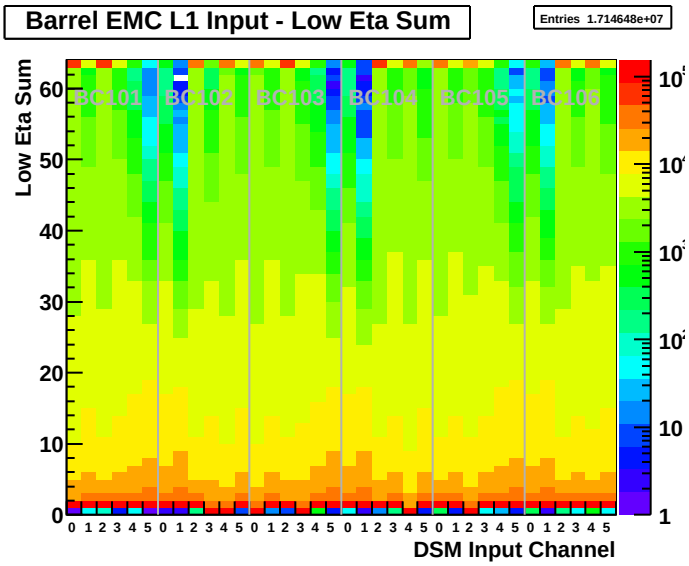
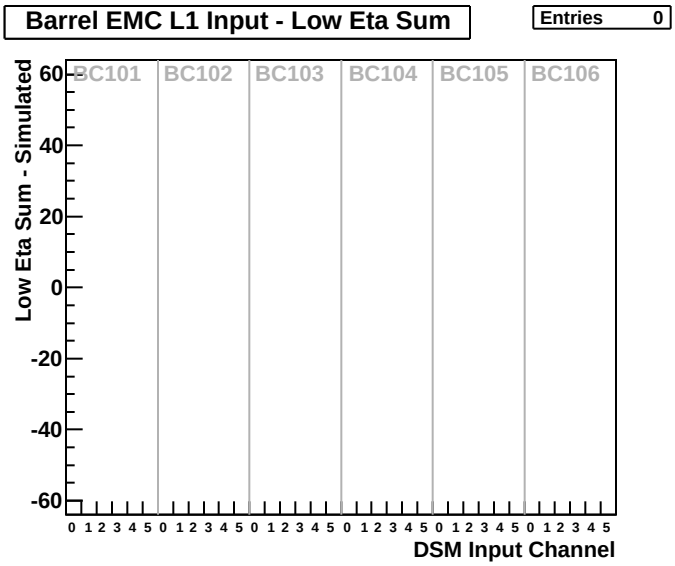
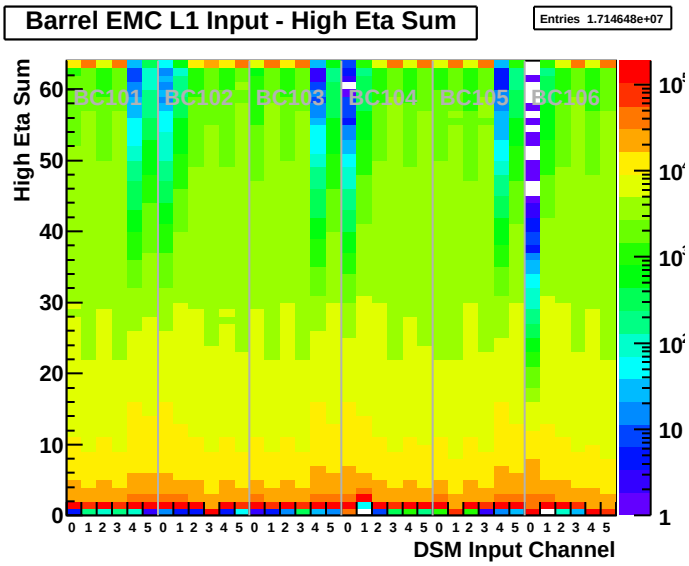
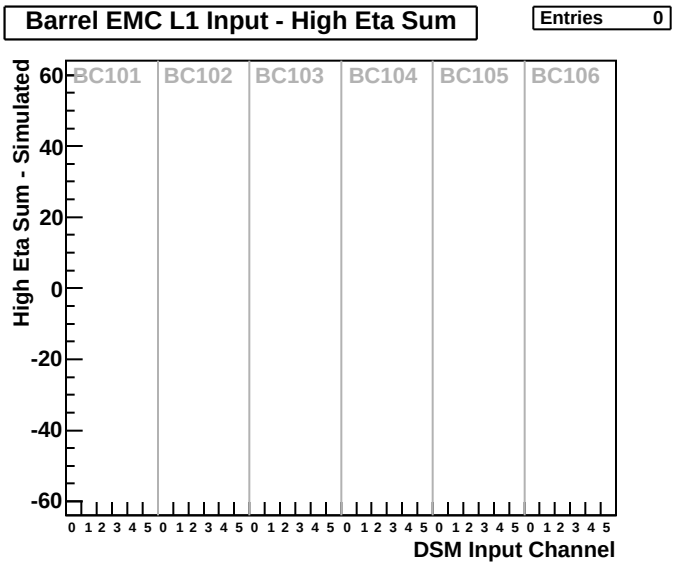
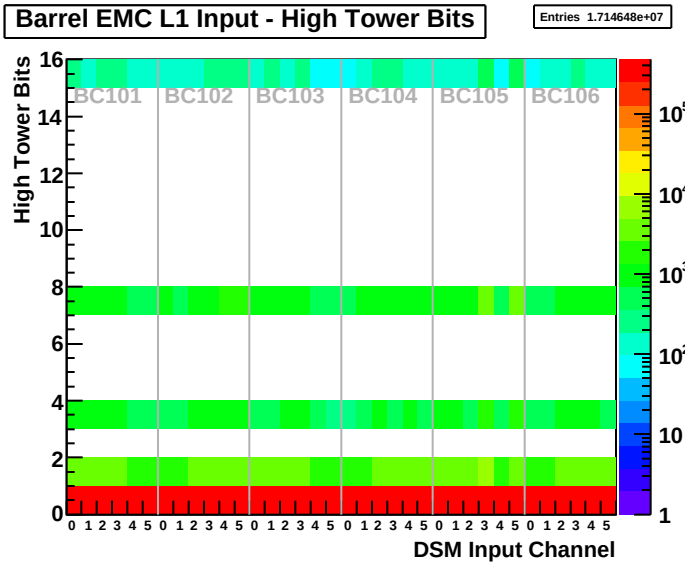
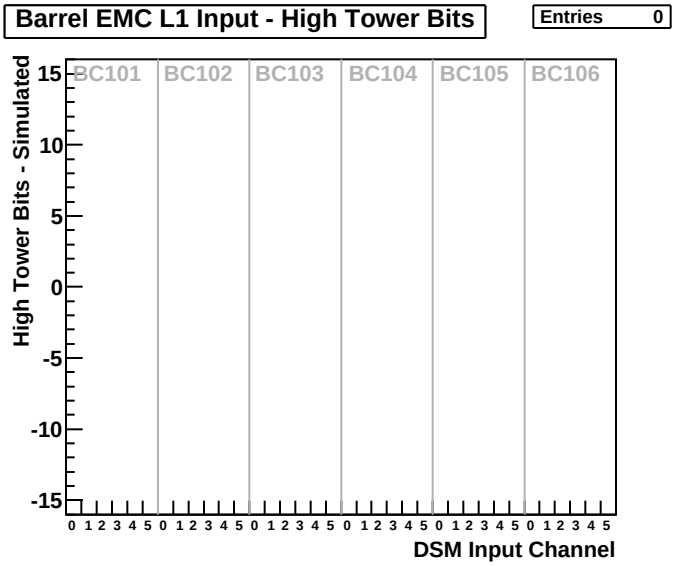

Barrel EMC L1 Input - Low Eta Sum
Entries 1.714648e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

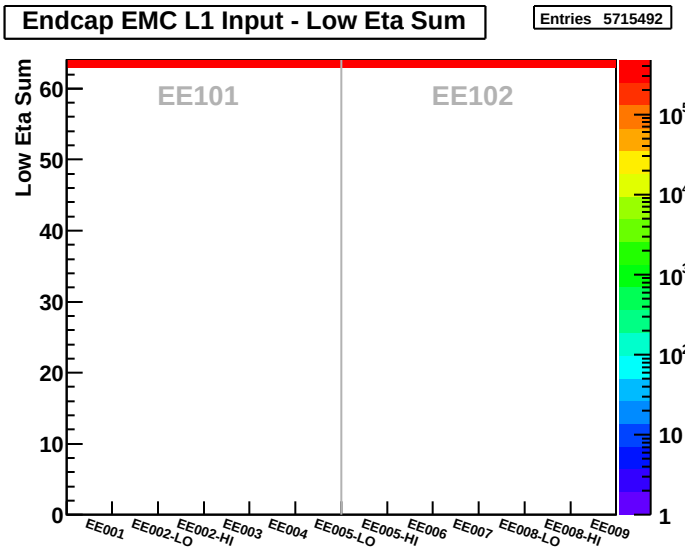

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

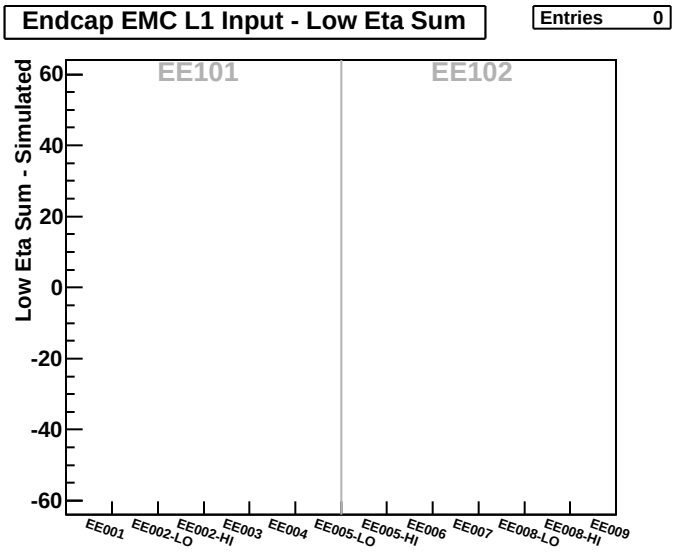

Barrel EMC L1 Input - High Eta Sum
Entries 1.714648e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

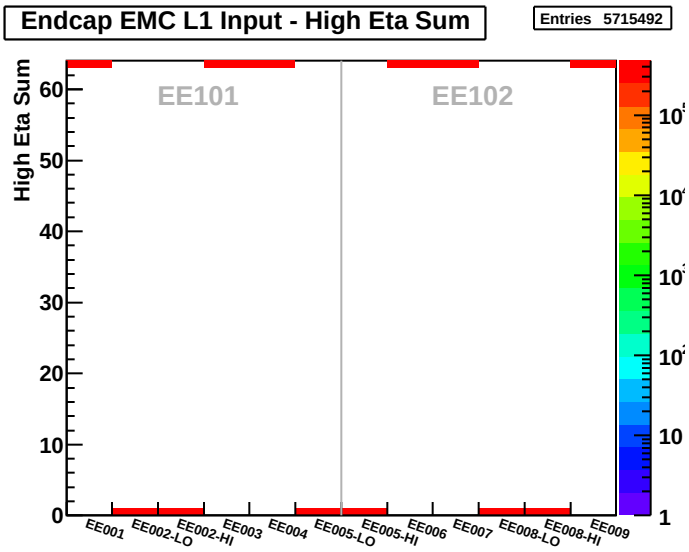

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

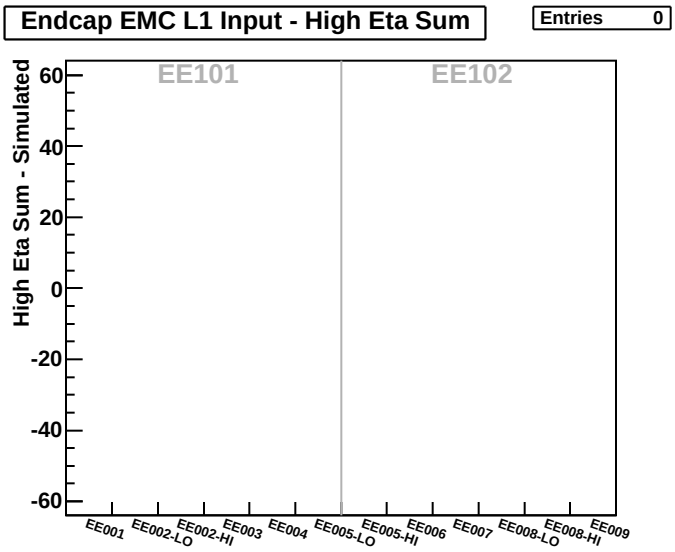

Barrel EMC L1 Input - High Tower Bits
Entries 1.714648e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

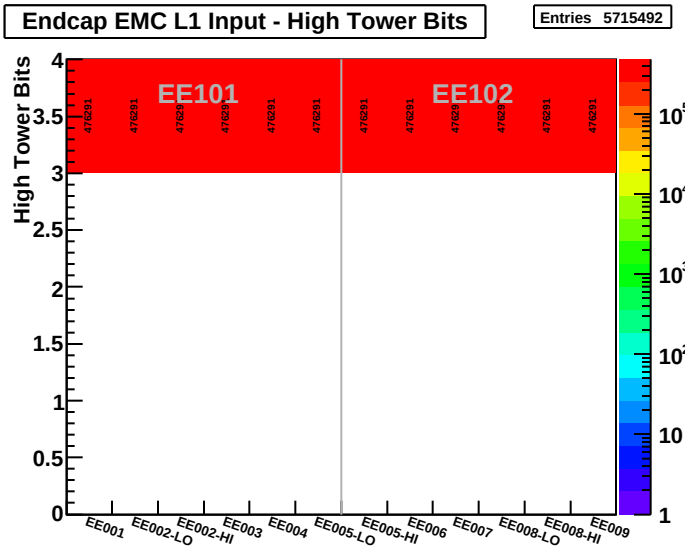

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

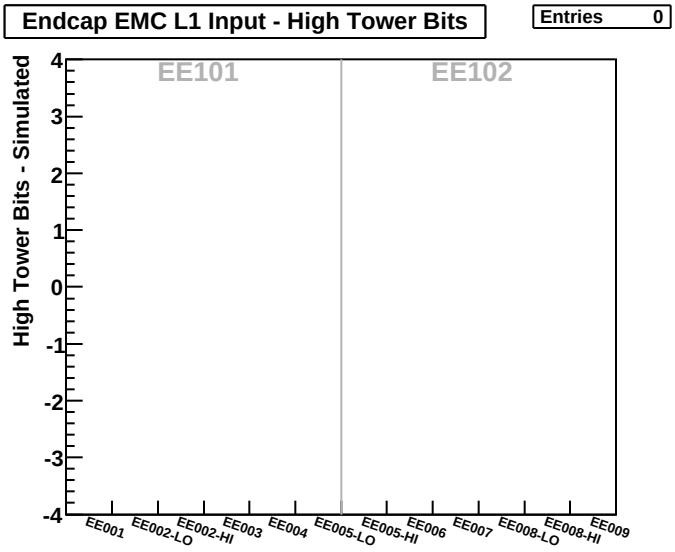

Endcap EMC L1 Input - Low Eta Sum
Entries 5715492
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

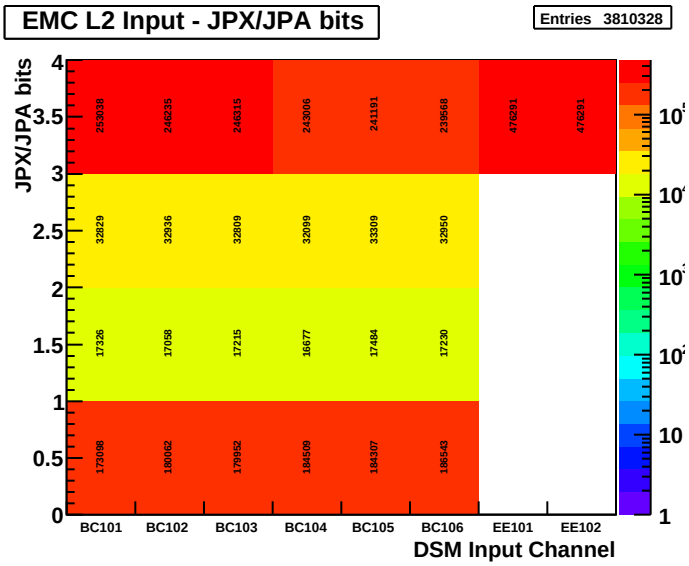

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

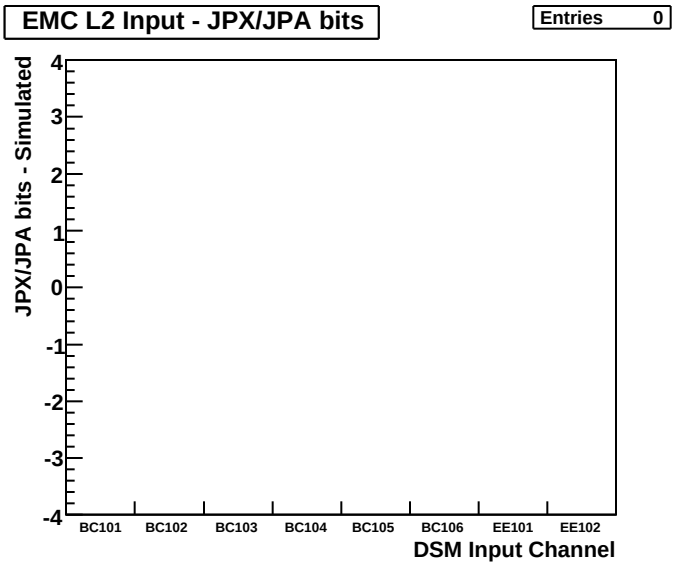

Endcap EMC L1 Input - High Eta Sum
Entries 5715492
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

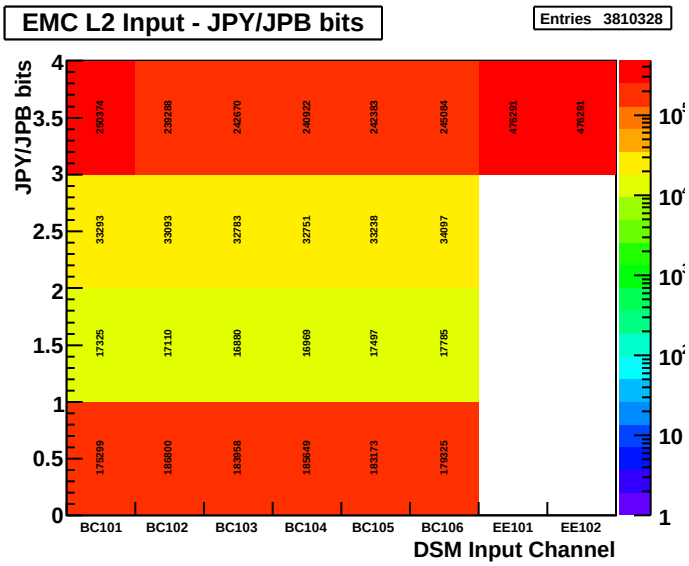

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

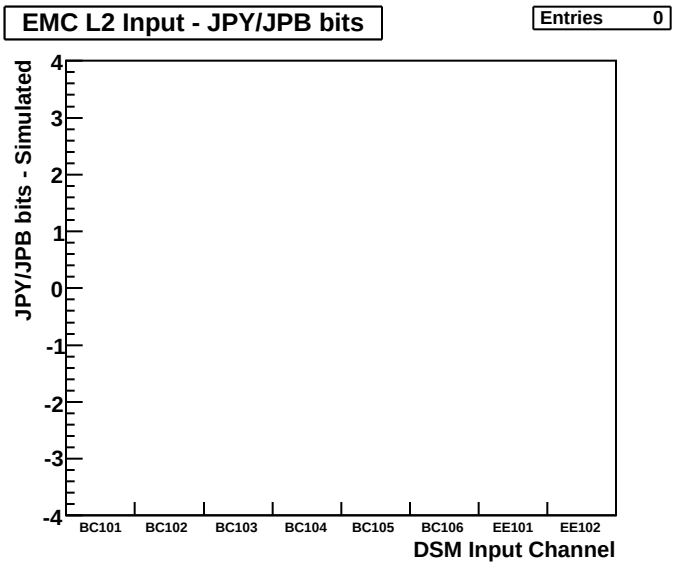

Endcap EMC L1 Input - High Tower Bits
Entries 5715492
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

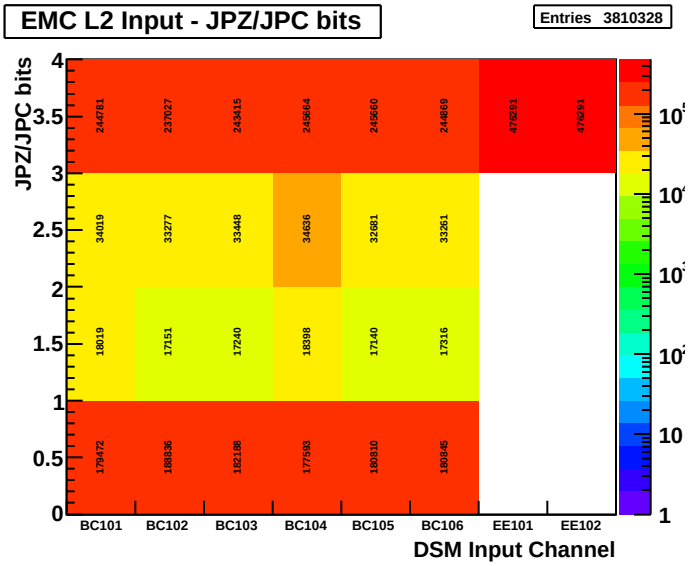

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

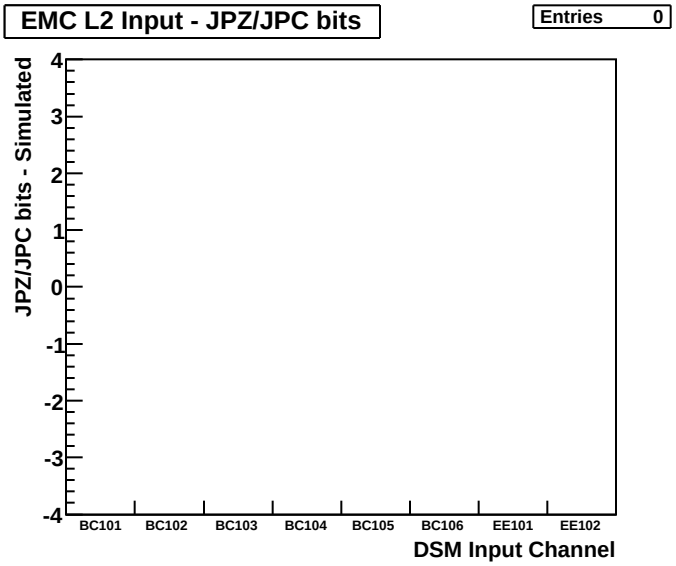

EMC L2 Input - JPX/JPA bits
Entries 3810328
JPX/JPA bits
253038 246235 246315 243006 241191 239568 476291 476291
32829 32936 32809 32099 33309 32950
17326 17058 17215 16677 17484 17230
170098 180062 170952 184509 184307 186543
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

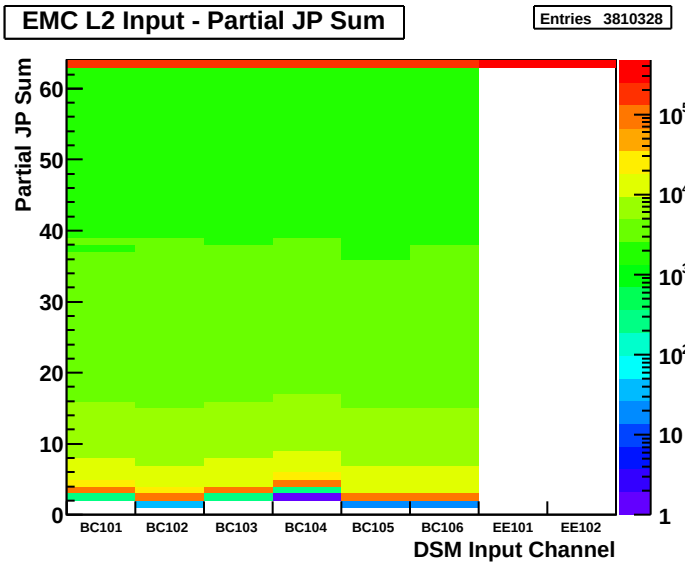

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

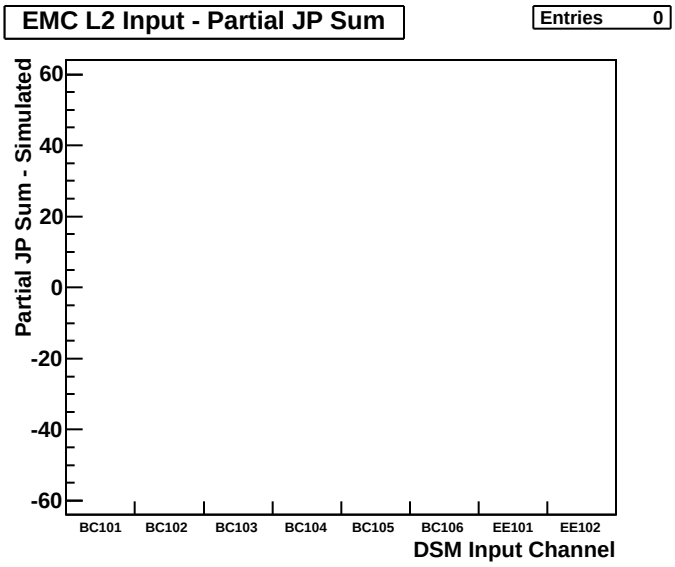

EMC L2 Input - JPY/JPB bits
Entries 3810328
JPY/JPB bits
250374 239288 242670 240922 242383 245084 476291 476291
33293 33093 32783 32751 33238 34097
17325 17110 16880 16960 17497 17785
175299 186800 183958 185649 183173 179325
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

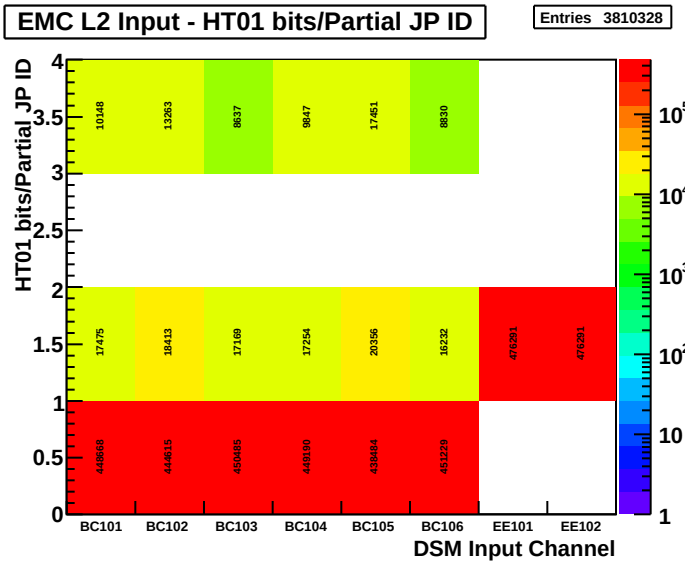

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

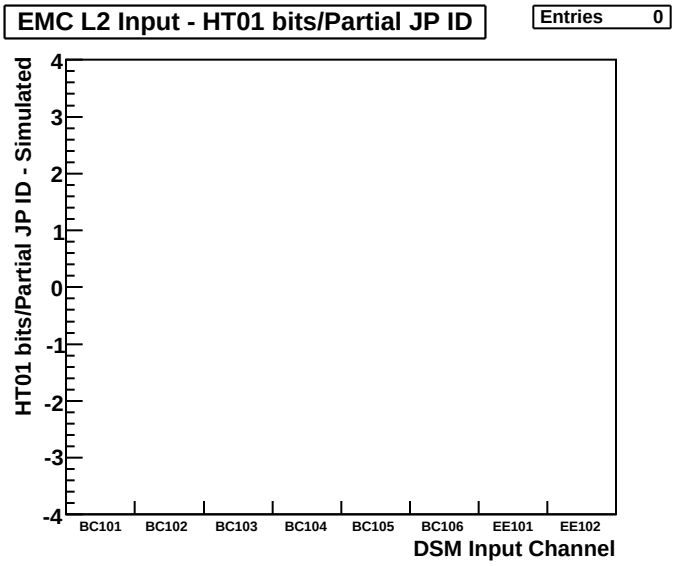

EMC L2 Input - JPZ/JPC bits
Entries 3810328
JPZ/JPC bits
244781 237027 243415 245664 245660 244869 476291 476291
34019 33277 33448 34636 32681 33261
18019 17151 17240 18398 17140 17316
179472 188836 182188 177593 180810 180845
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

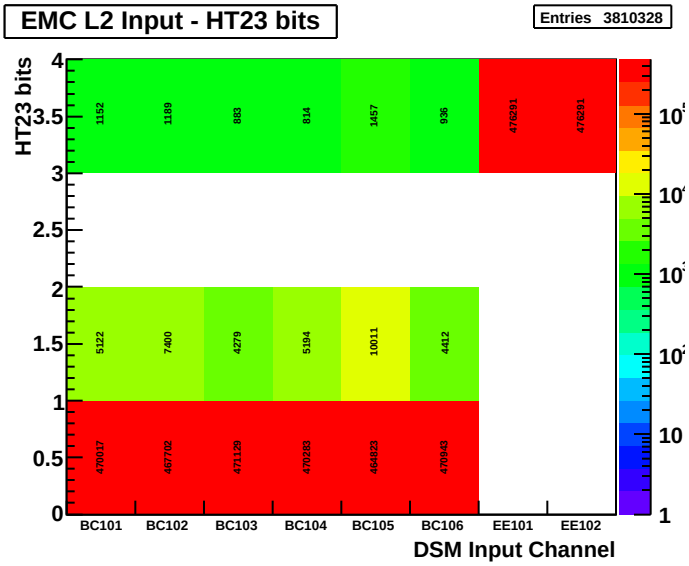

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
DSM Input Channel

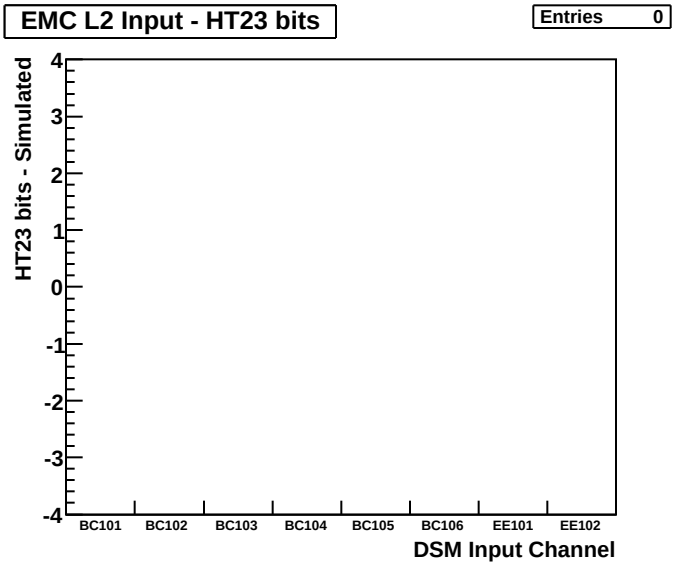

EMC L2 Input - Partial JP Sum
Entries 3810328
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

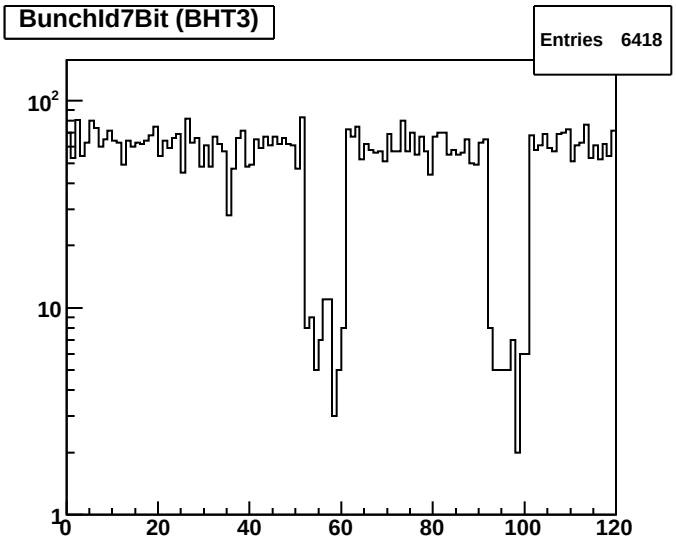

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

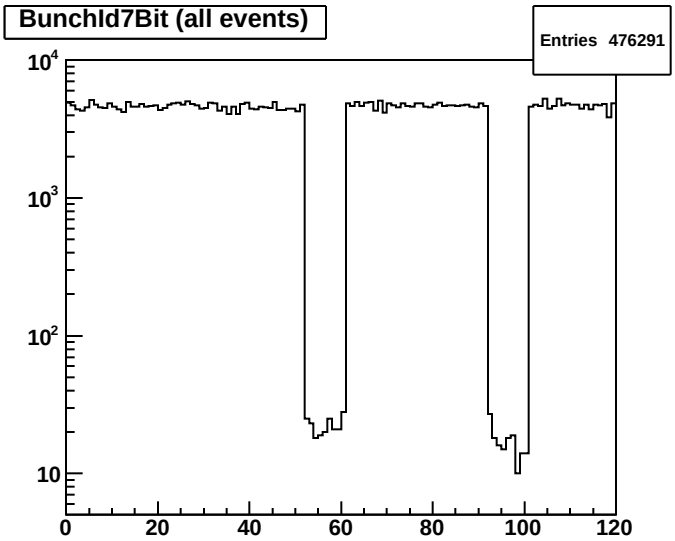

EMC L2 Input - HT01 bits/Partial JP ID
Entries 3810328
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

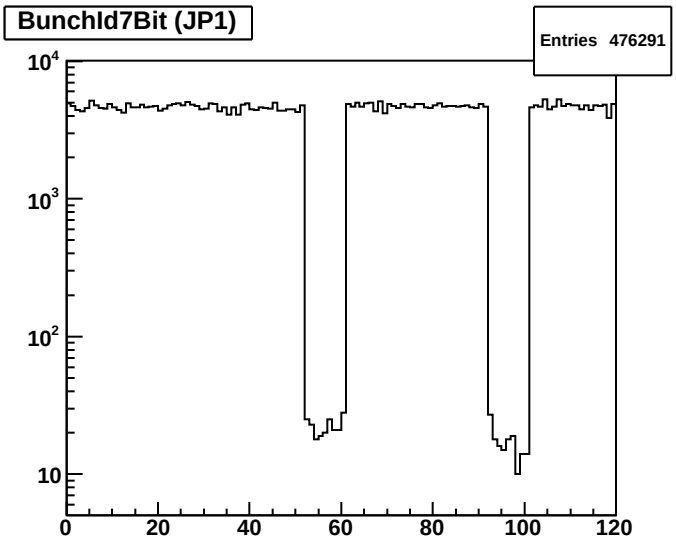

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

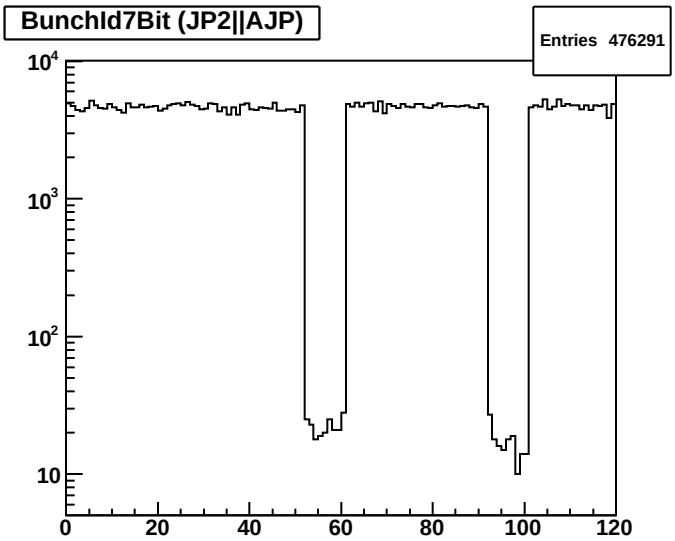

EMC L2 Input - HT23 bits
Entries 3810328
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

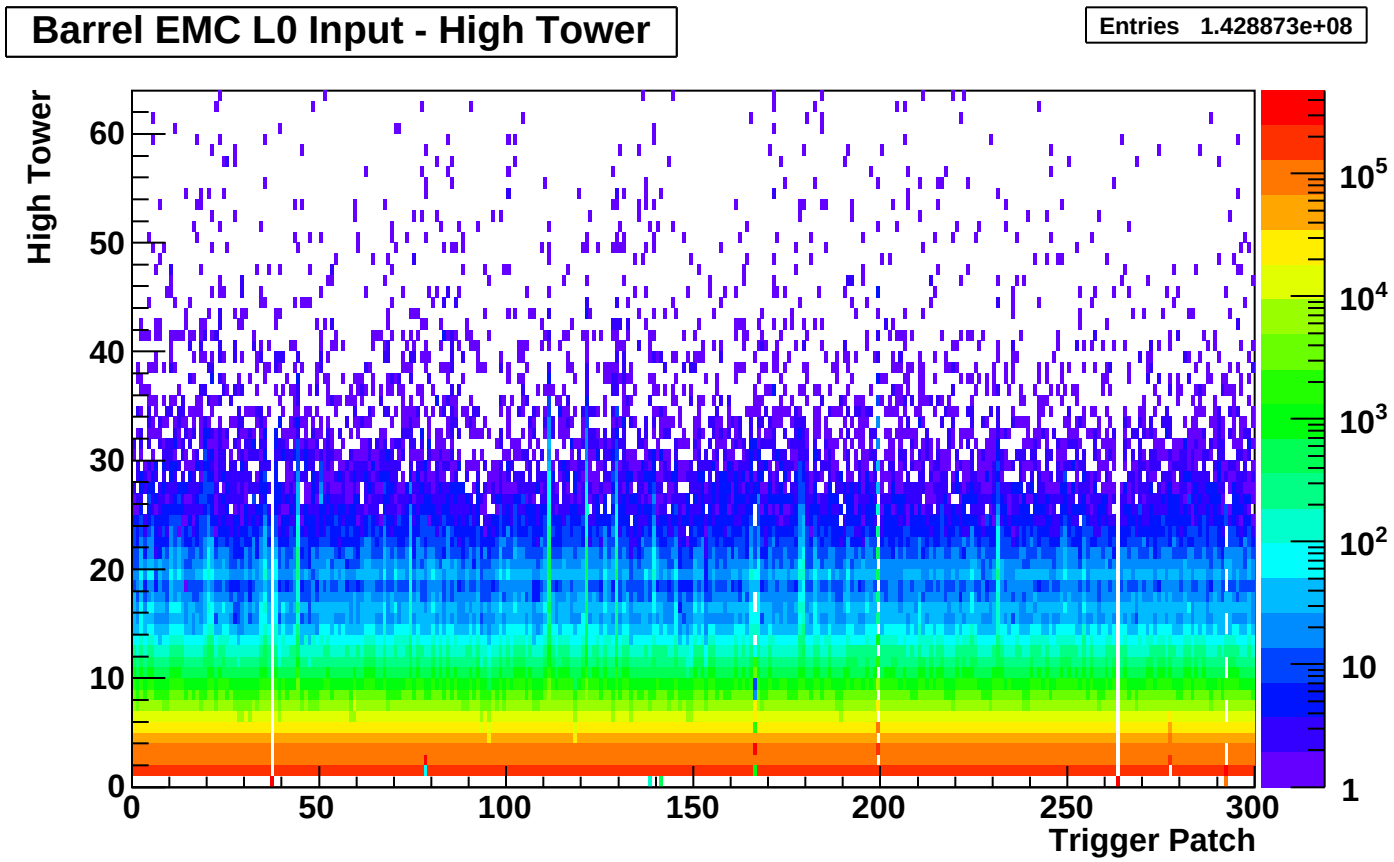

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

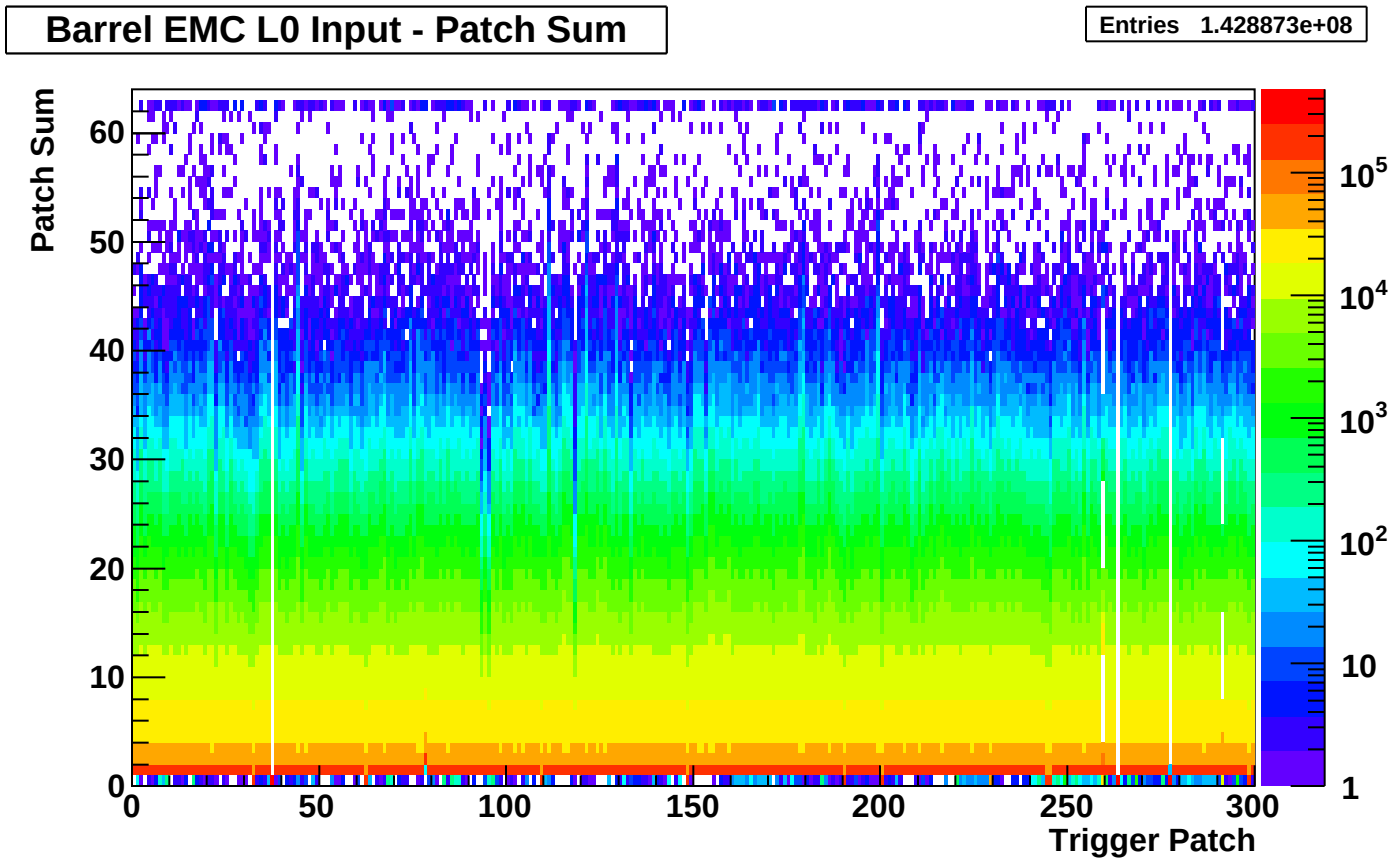

BunchId7Bit (BHT3)
Entries 6418
10^2
10
1
0
20
40
60
80
100
120

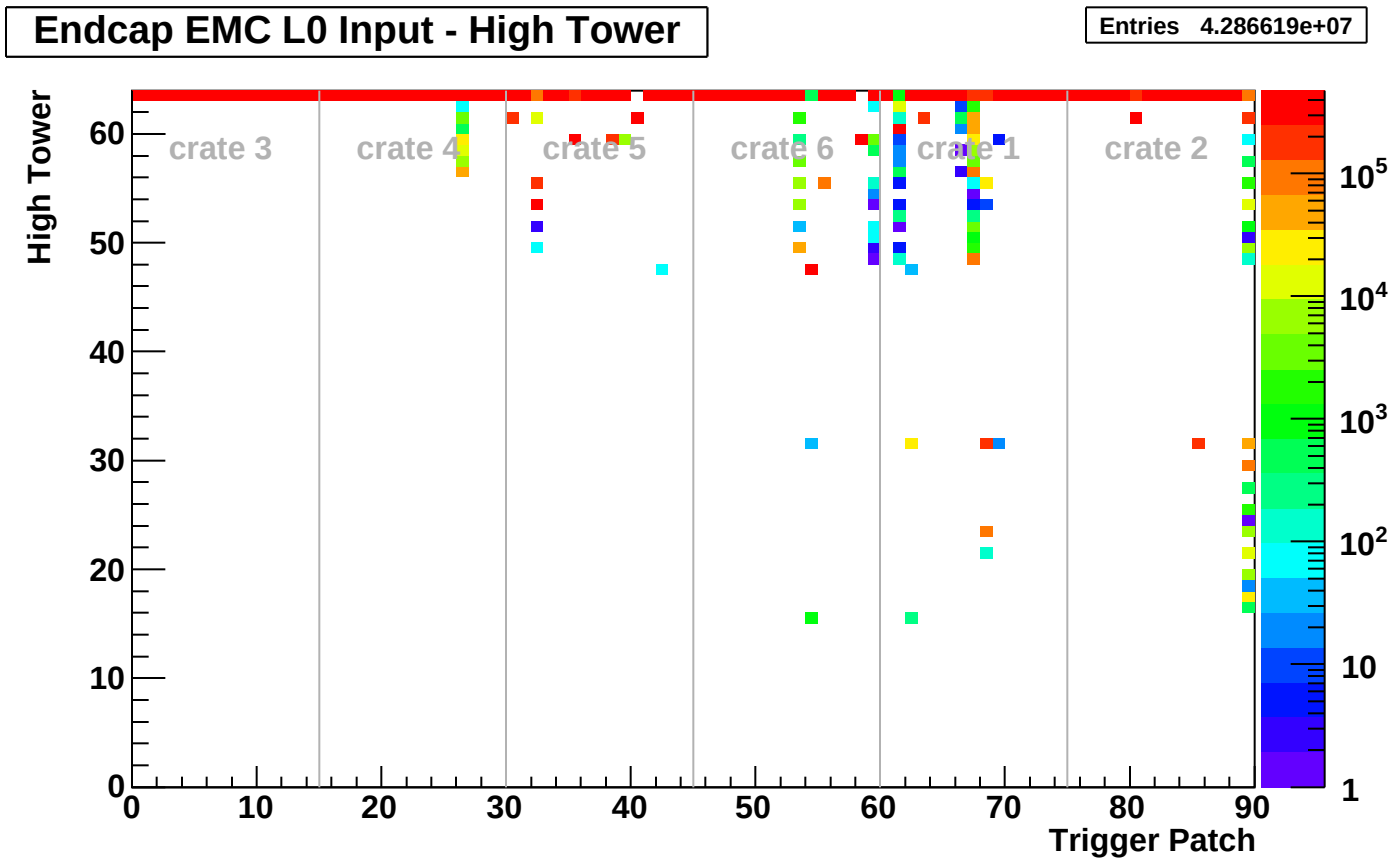

BunchId7Bit (all events)
Entries 476291
10^4
10^3
10^2
10
0
20
40
60
80
100
120

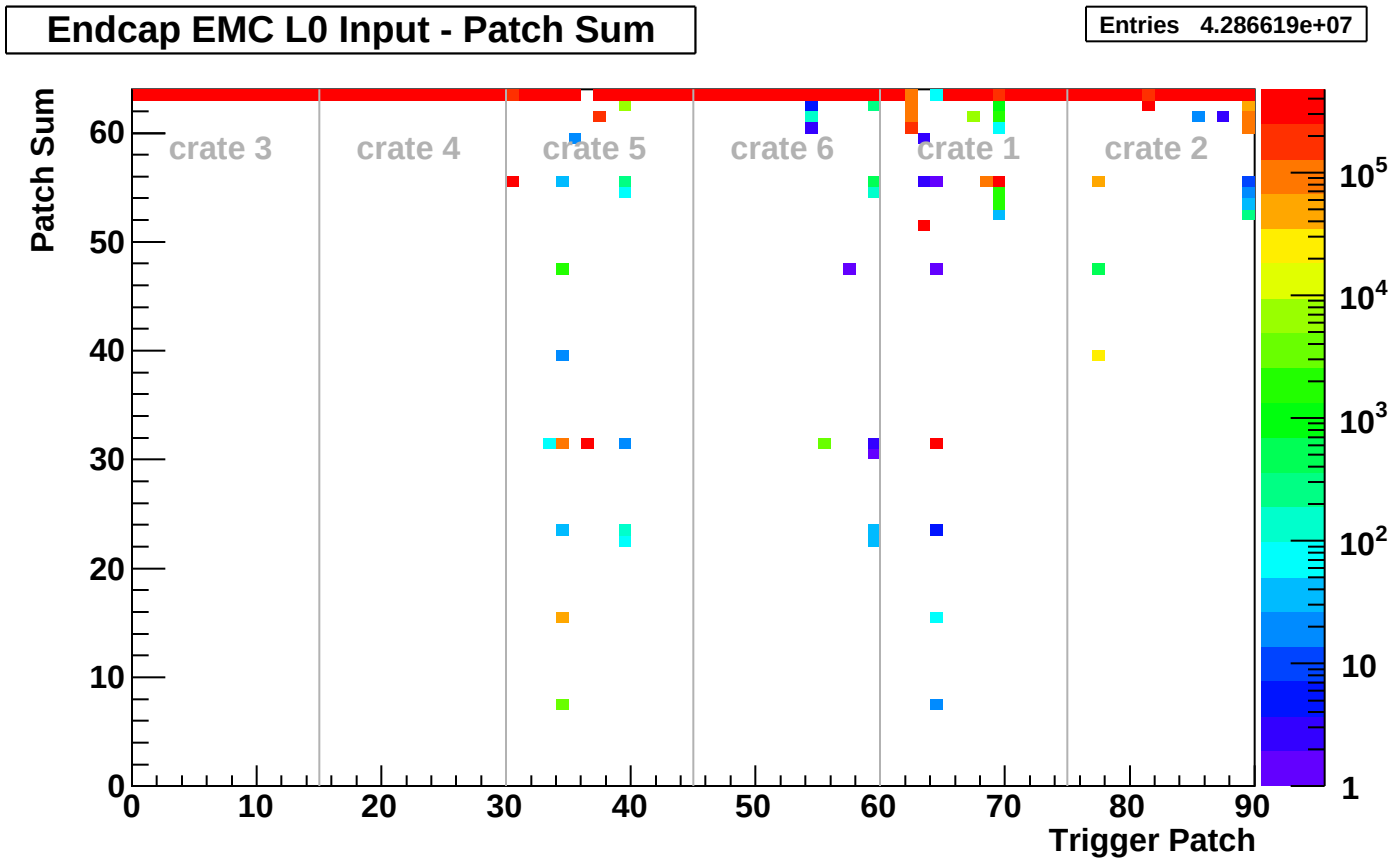

BunchId7Bit (JP1)
Entries 476291
10^4
10^3
10^2
10
0
20
40
60
80
100
120

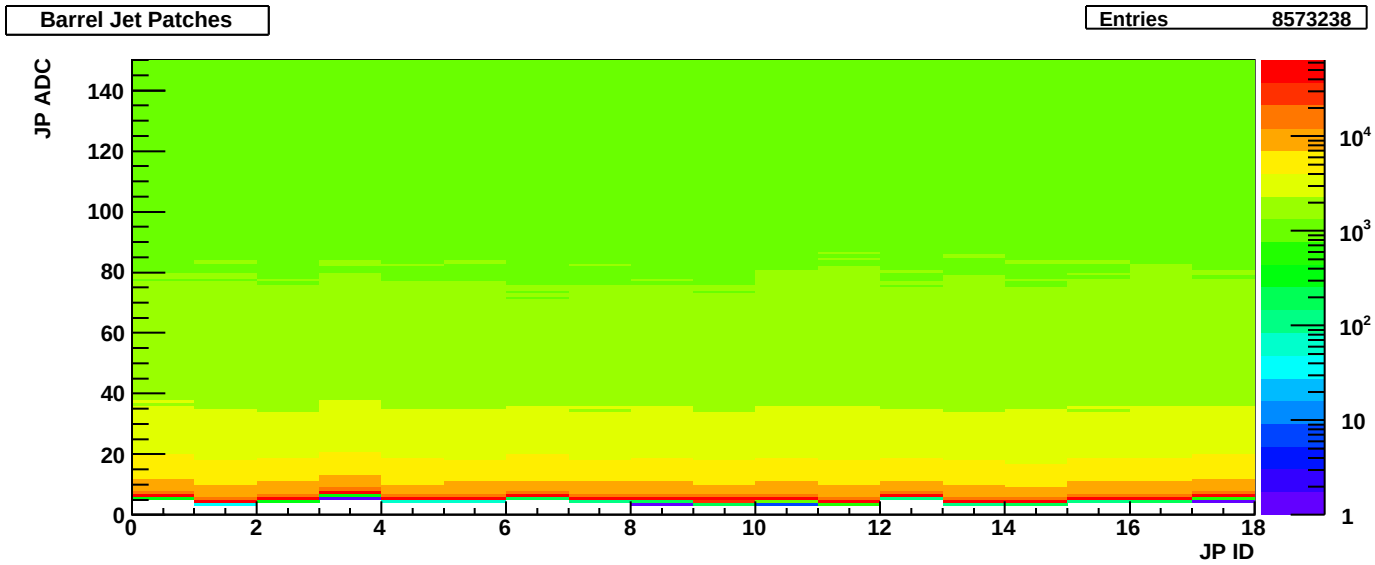

BunchId7Bit (JP2||AJP)
Entries 476291
10^4
10^3
10^2
10
0
20
40
60
80
100
120

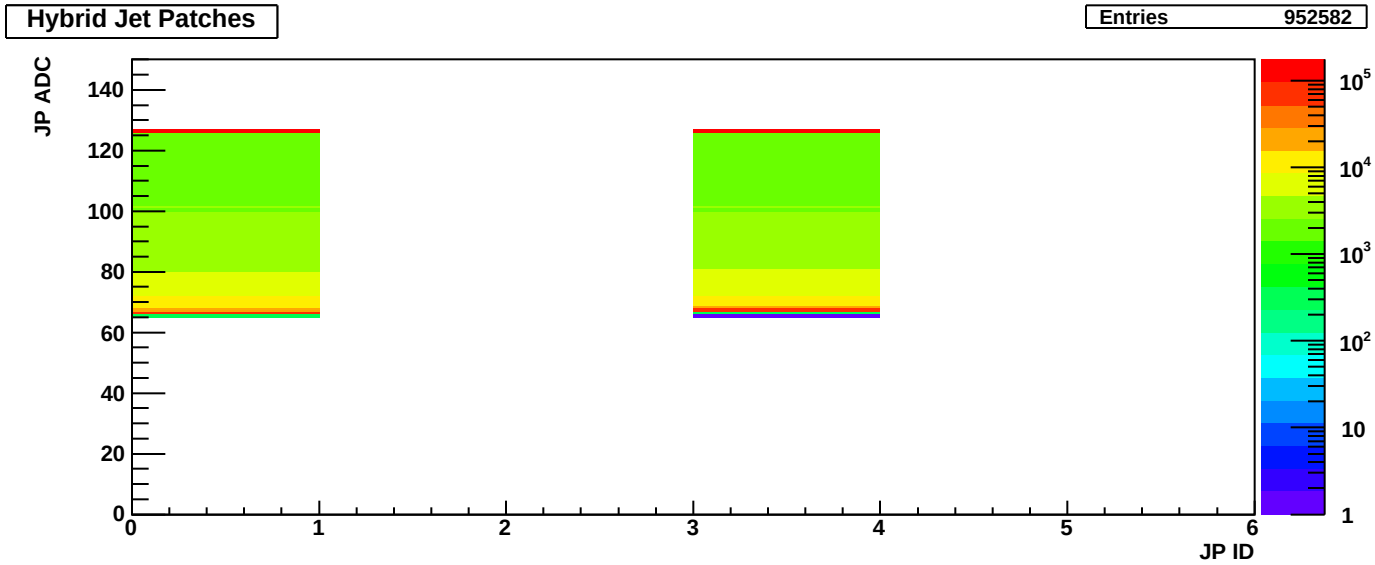

Barrel EMC L0 Input - High Tower
Entries 1.428873e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

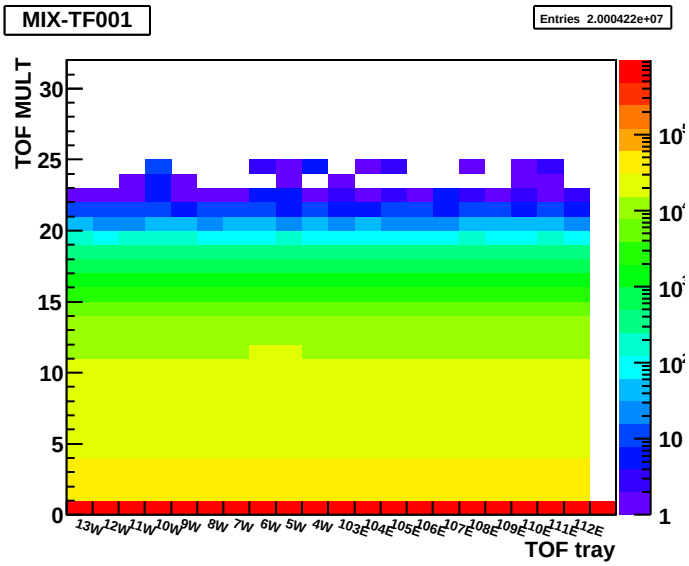

Barrel EMC L0 Input - Patch Sum
Entries 1.428873e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

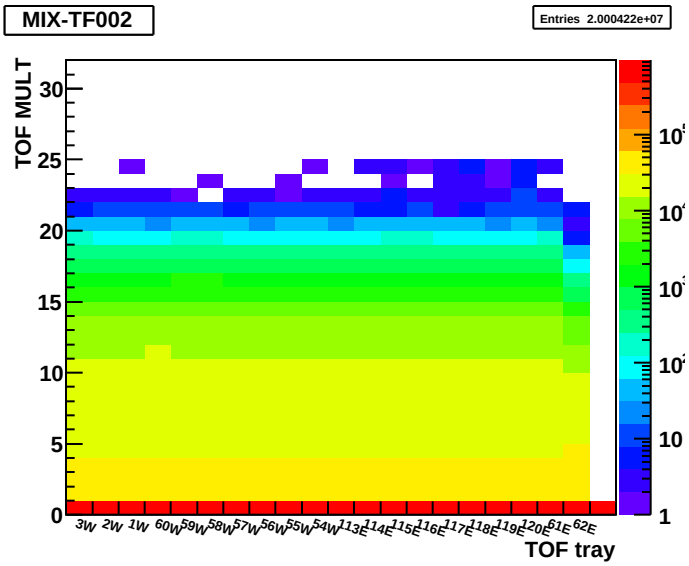

Endcap EMC L0 Input - High Tower
Entries 4.286619e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

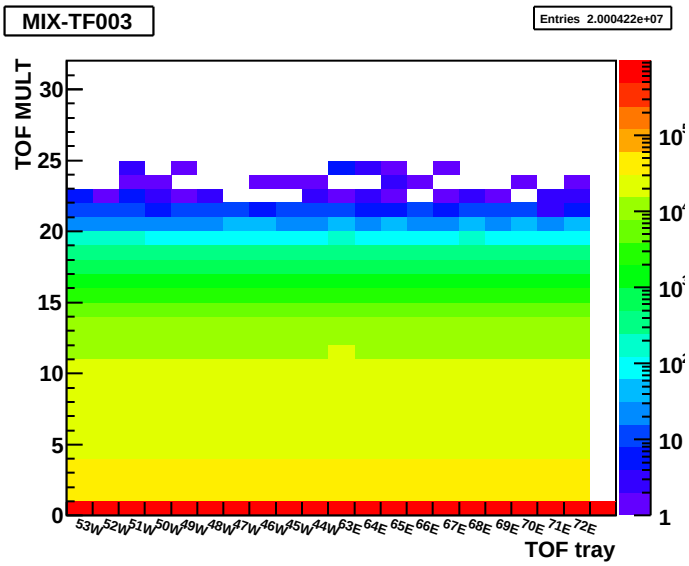

Endcap EMC L0 Input - Patch Sum
Entries 4.286619e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

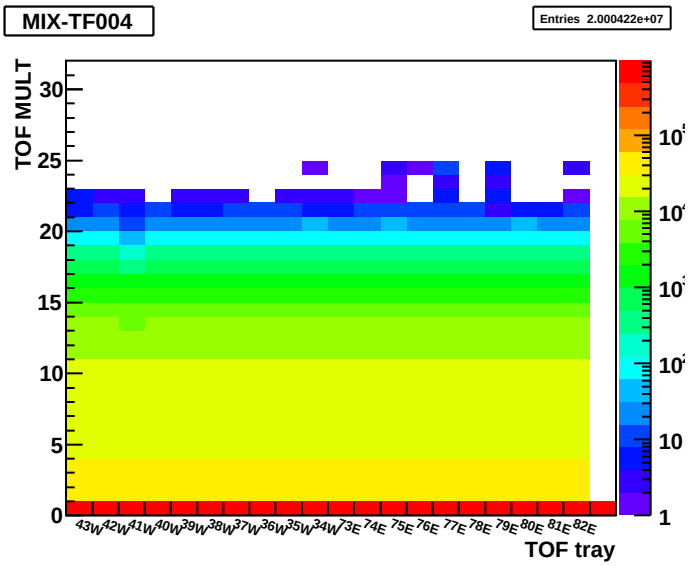

Barrel Jet Patches
Entries 8573238
JP ADC
JP ID

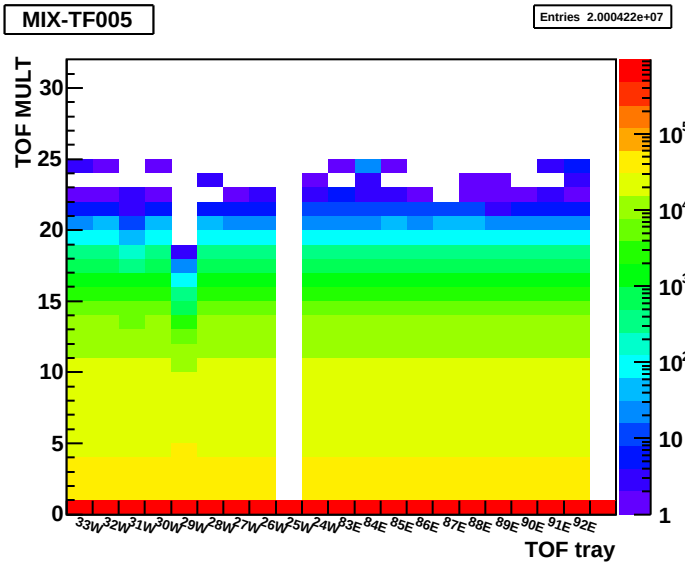

Hybrid Jet Patches
Entries 952582
JP ADC
JP ID

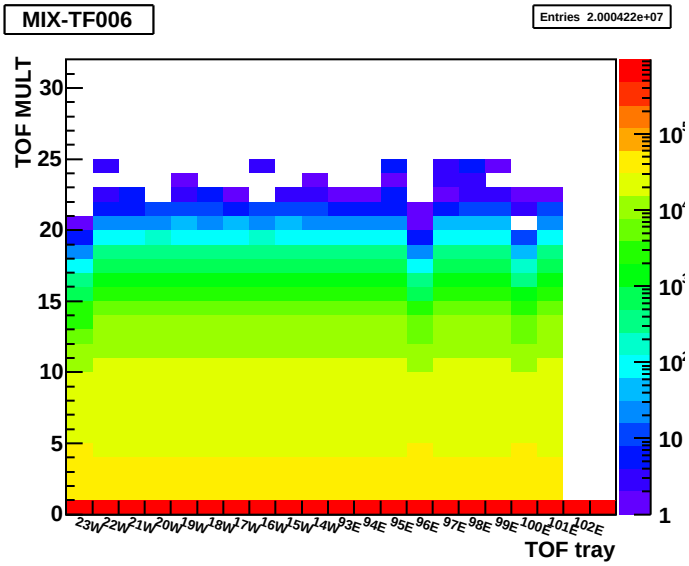

MIX-TF001
Entries 2.000422e+07
TOF MULT
TOF tray

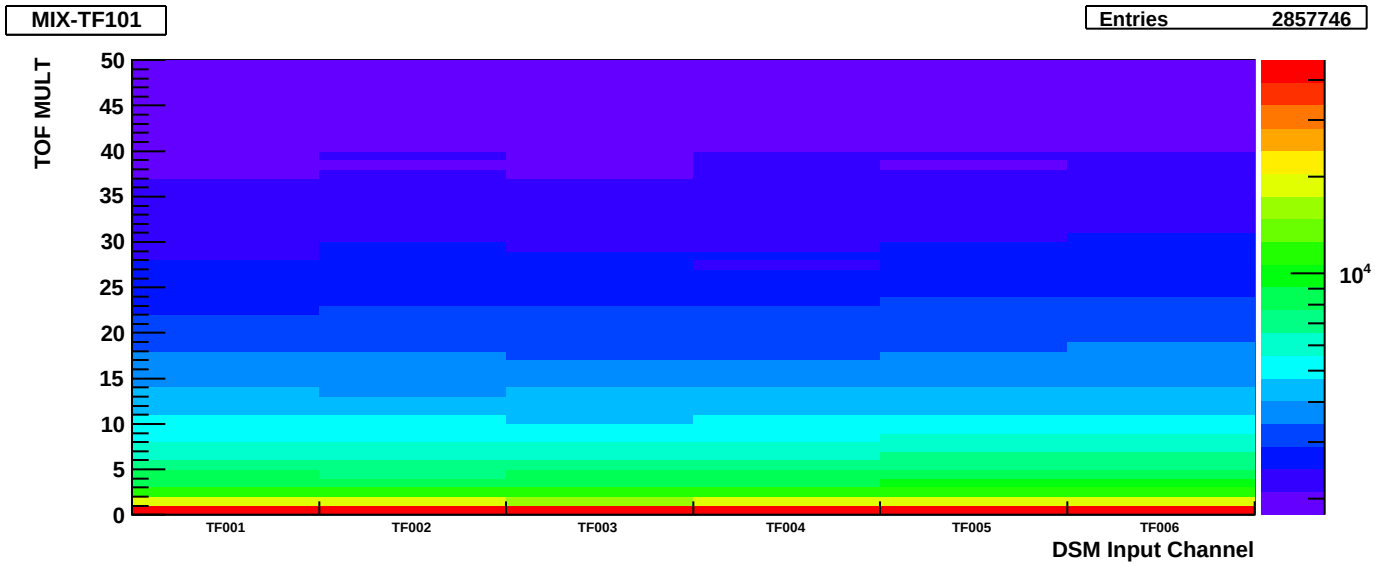

MIX-TF002
Entries 2.000422e+07
TOF MULT
TOF tray

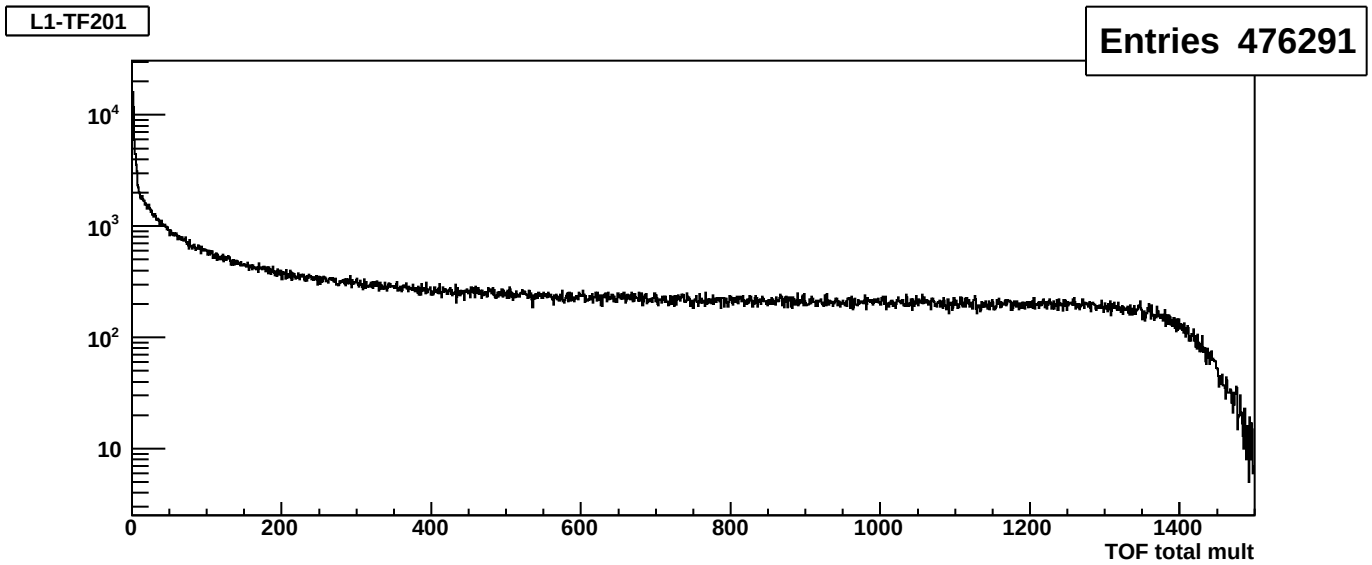

MIX-TF003
Entries 2.000422e+07
TOF MULT
TOF tray

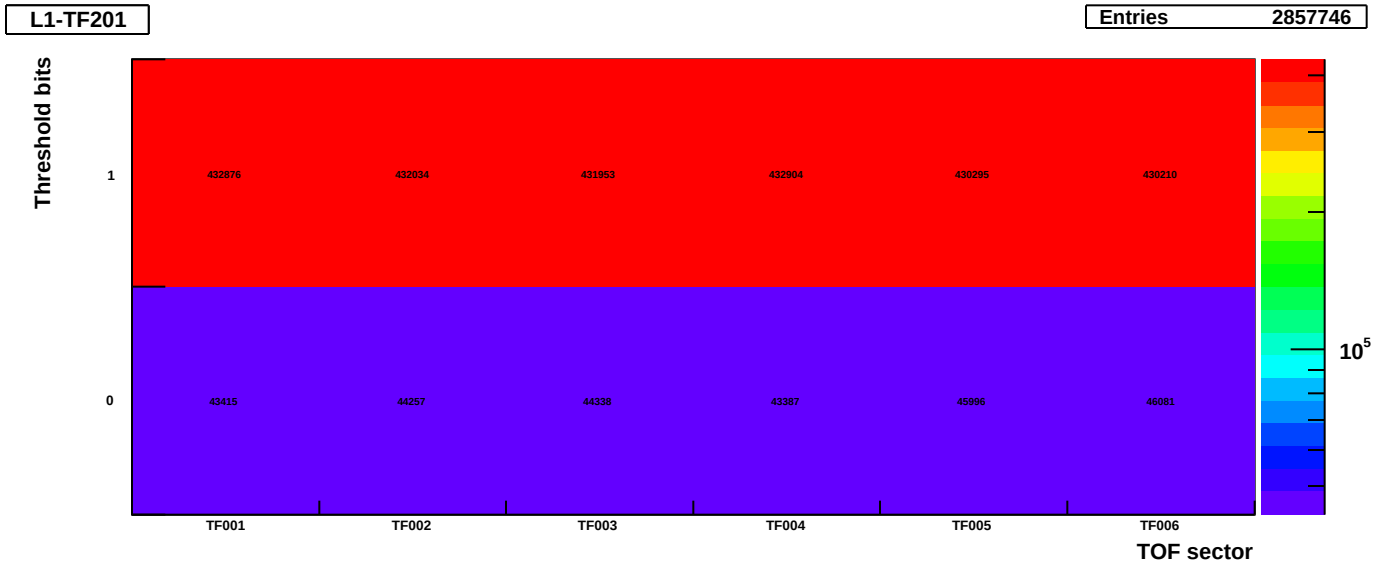

MIX-TF004
Entries 2.000422e+07
TOF MULT
TOF tray

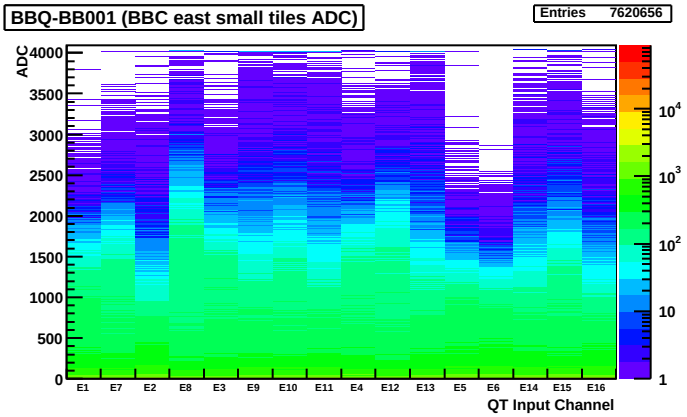

MIX-TF005
Entries 2.000422e+07
TOF MULT
TOF tray

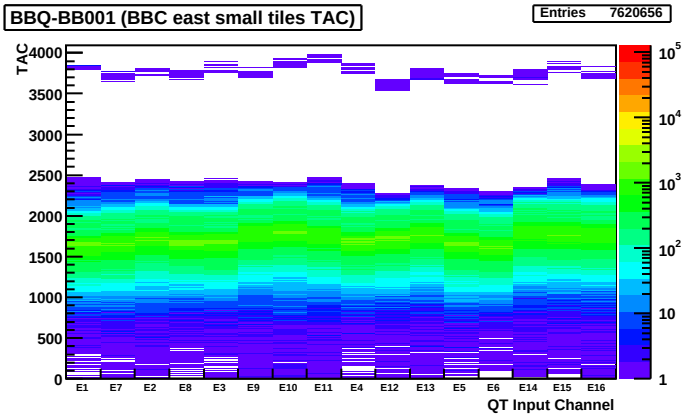

MIX-TF006
Entries 2.000422e+07
TOF MULT
TOF tray

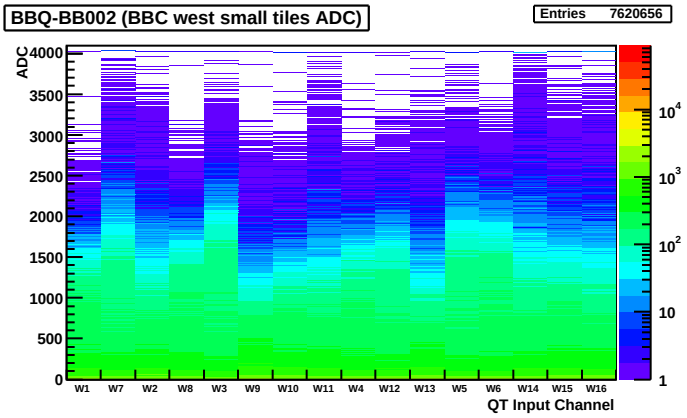

MIX-TF101
Entries 2857746
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

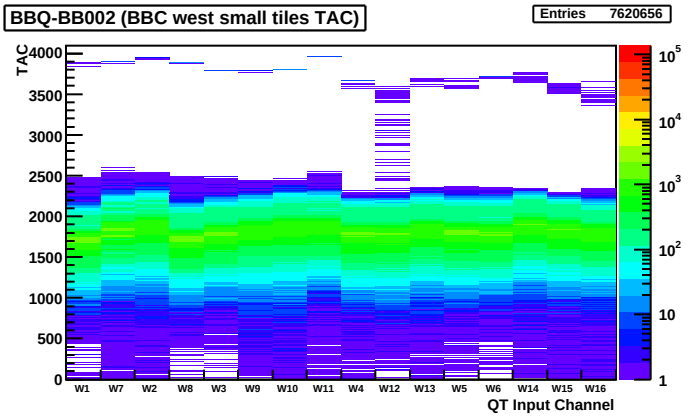

L1-TF201
Entries 476291
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

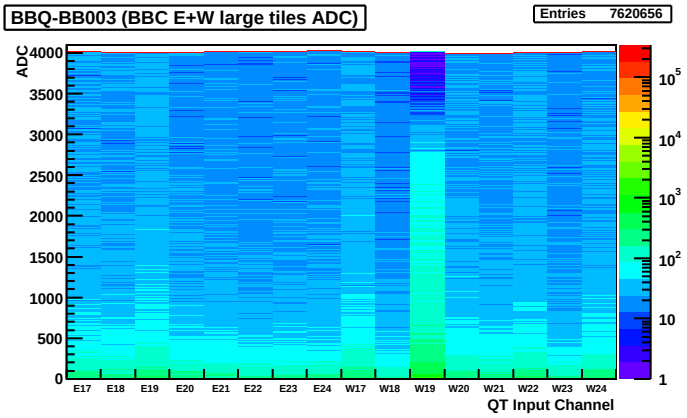

L1-TF201
Entries 2857746
Threshold bits
1
0
432876
432034
431953
432904
430295
430210
43415
44257
44338
43387
45996
46081
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

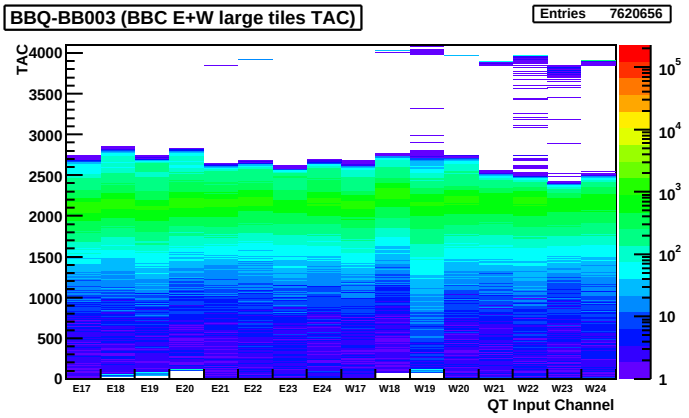

BBQ-BB001 (BBC east small tiles ADC)
Entries 7620656
ADC
QT Input Channel

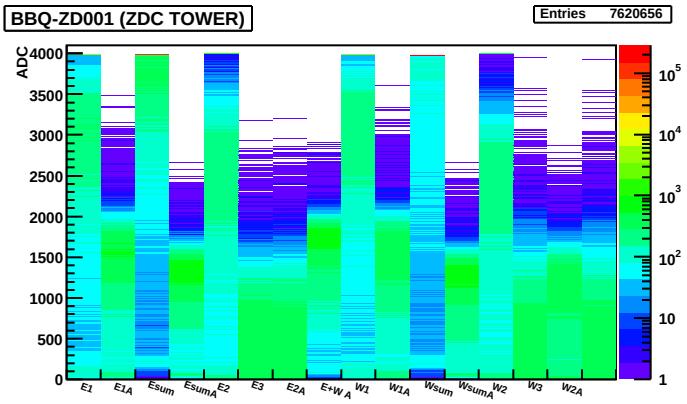

BBQ-BB001 (BBC east small tiles TAC)
Entries 7620656
TAC
QT Input Channel

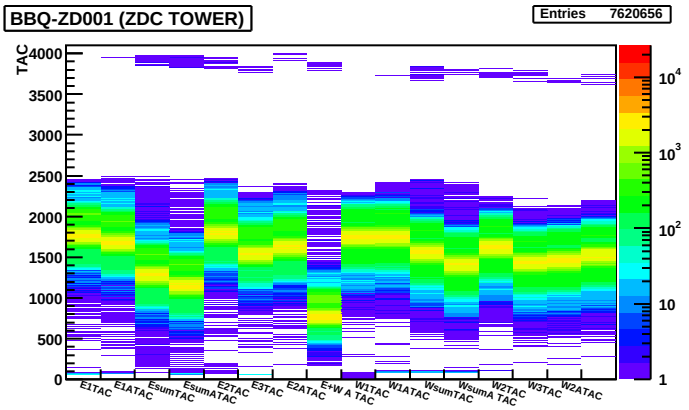

BBQ-BB002 (BBC west small tiles ADC)
Entries 7620656
ADC
QT Input Channel

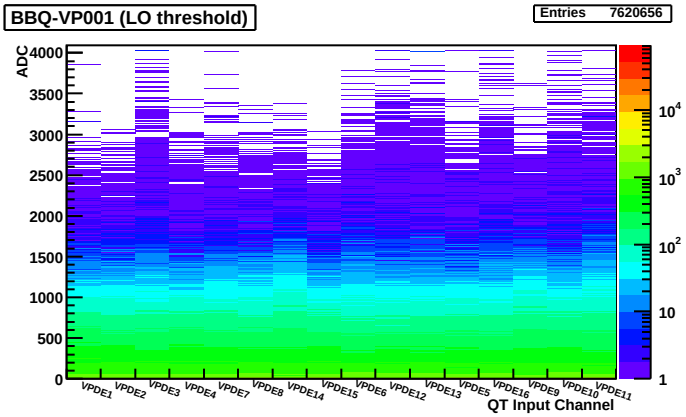

BBQ-BB002 (BBC west small tiles TAC)
Entries 7620656
TAC
QT Input Channel

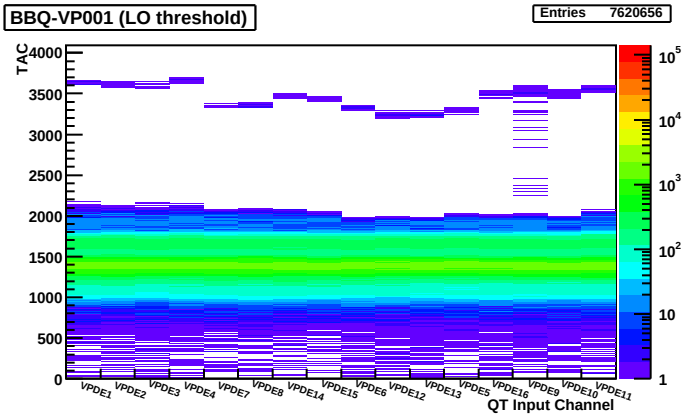

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7620656
ADC
QT Input Channel

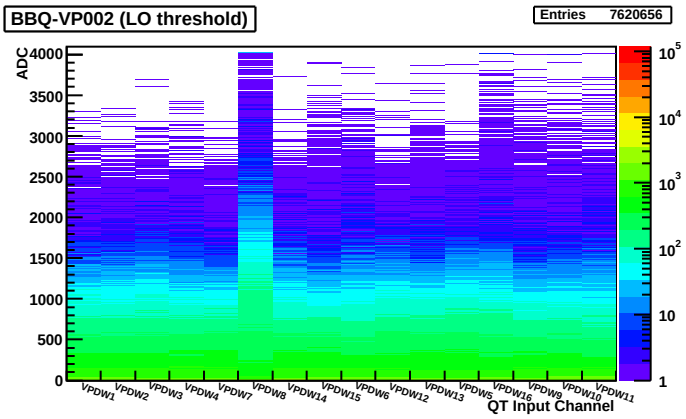

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7620656
TAC
QT Input Channel

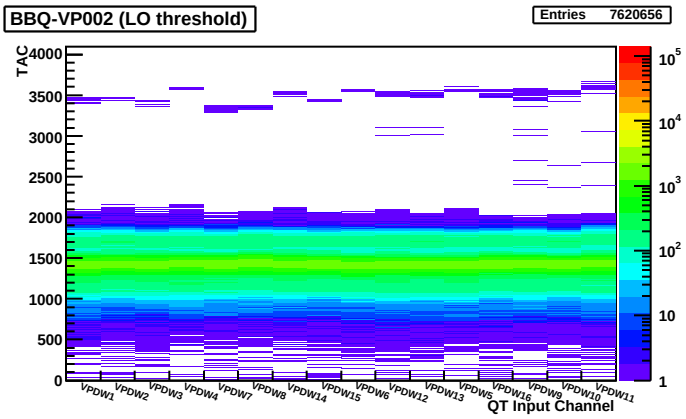

BBQ-ZD001 (ZDC TOWER)
Entries 7620656
ADC

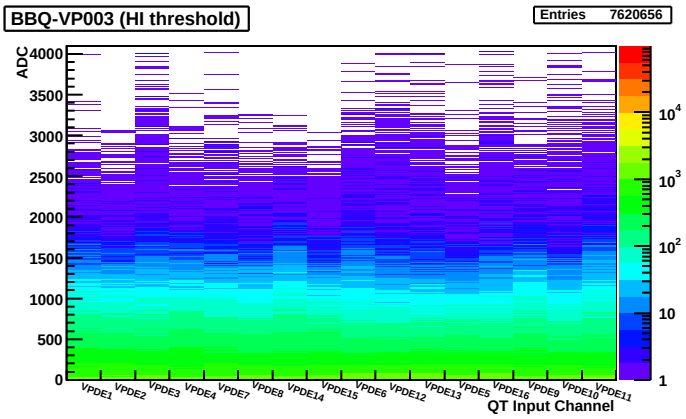

BBQ-ZD001 (ZDC TOWER)
Entries 7620656
TAC

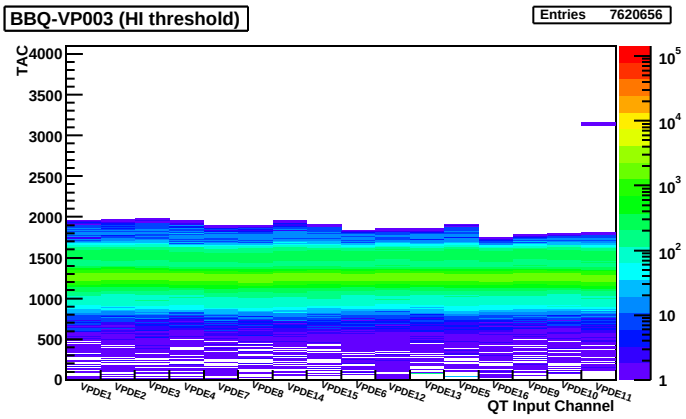

BBQ-VP001 (LO threshold)
Entries 7620656
ADC
QT Input Channel

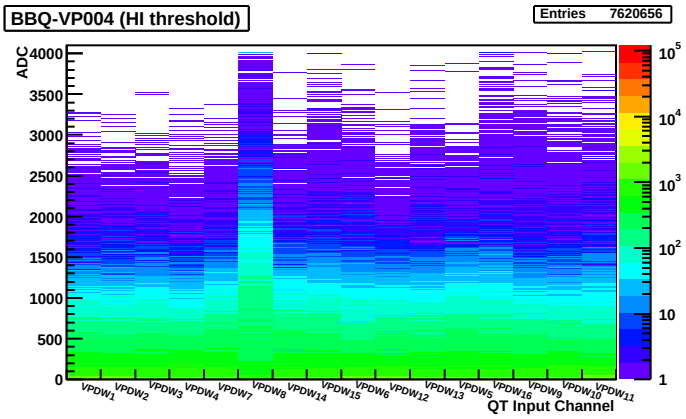

BBQ-VP001 (LO threshold)
Entries 7620656
TAC
QT Input Channel

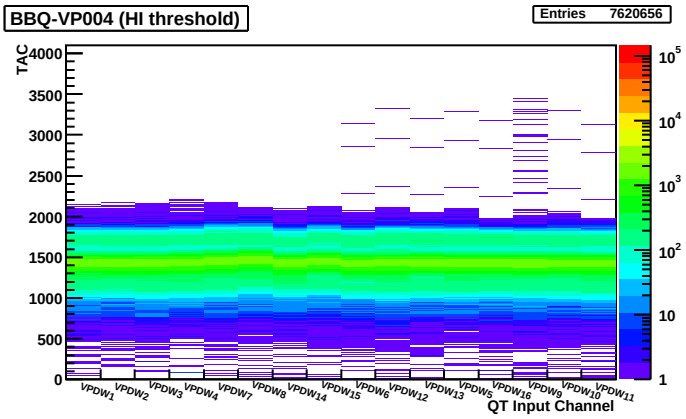

BBQ-VP002 (LO threshold)
Entries 7620656
ADC
QT Input Channel

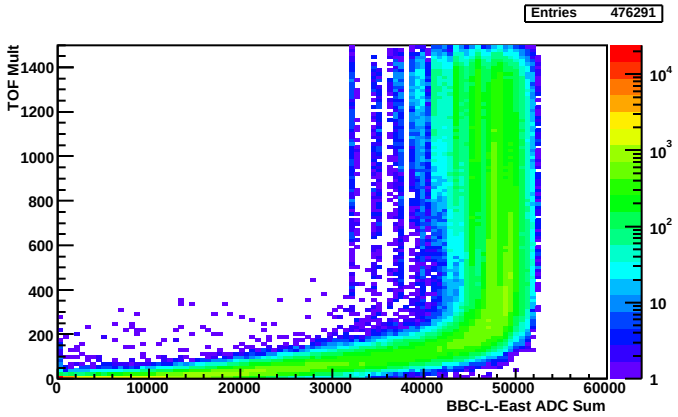

BBQ-VP002 (LO threshold)
Entries 7620656
TAC
QT Input Channel

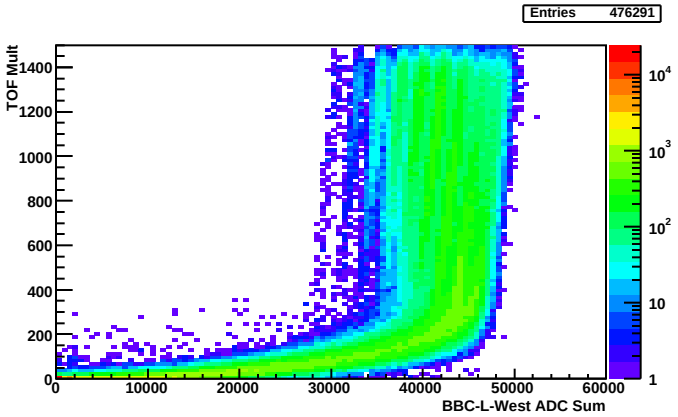

BBQ-VP003 (HI threshold)
Entries 7620656
ADC
QT Input Channel

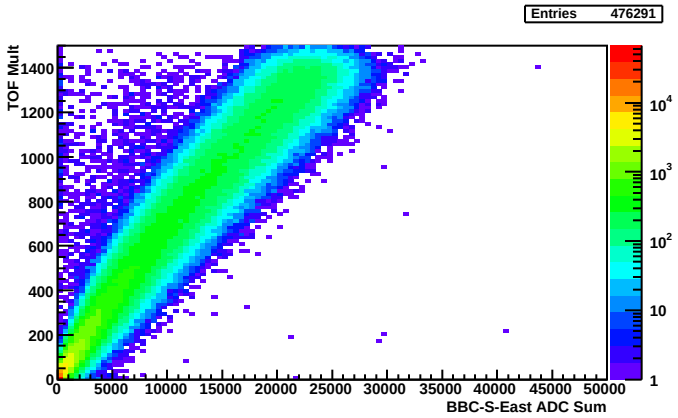

BBQ-VP003 (HI threshold)
Entries 7620656
TAC
QT Input Channel

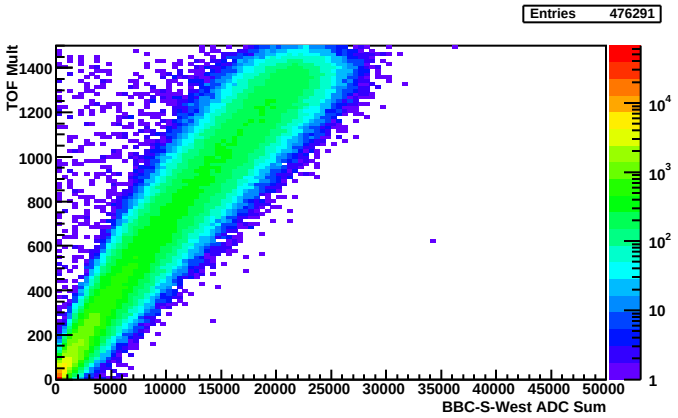

BBQ-VP004 (HI threshold)
Entries 7620656
ADC
QT Input Channel

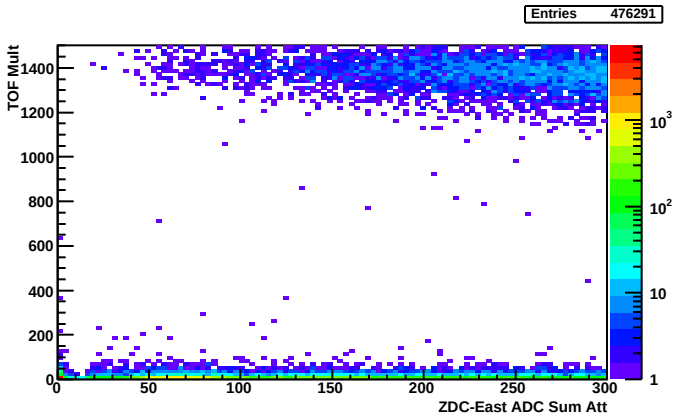

BBQ-VP004 (HI threshold)
Entries 7620656
TAC
QT Input Channel

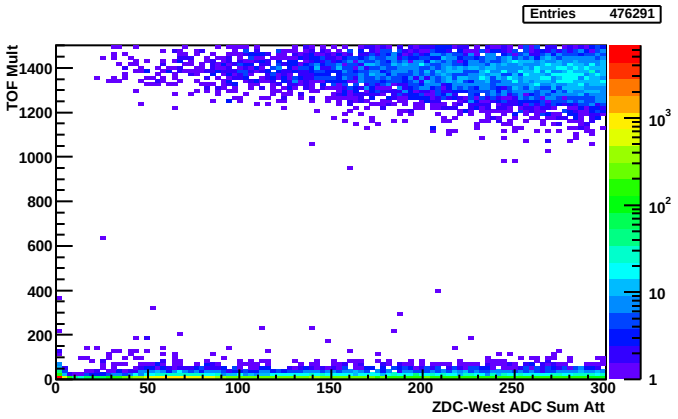

Entries 476291
TOF Mult
BBC-L-East ADC Sum

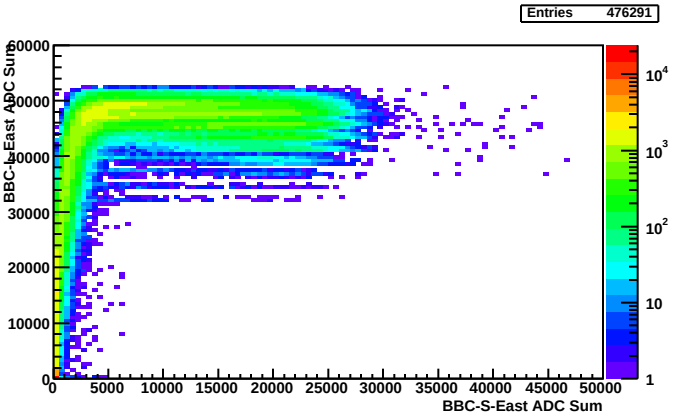

Entries 476291
TOF Mult
BBC-L-West ADC Sum

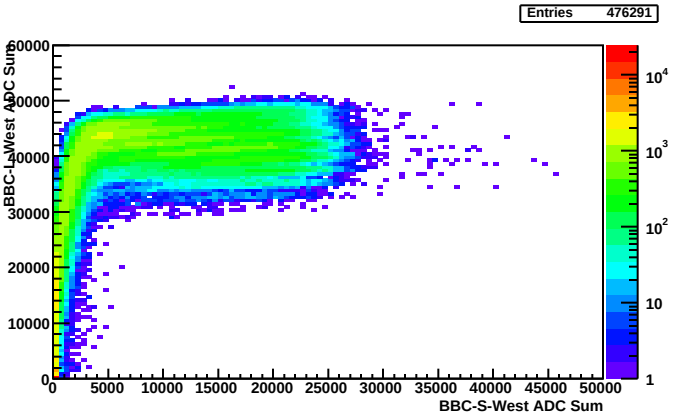

Entries 476291
TOF Mult
BBC-S-East ADC Sum

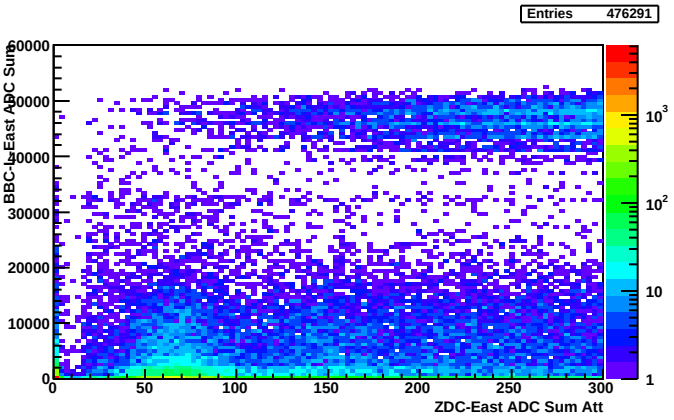

Entries 476291
TOF Mult
BBC-S-West ADC Sum

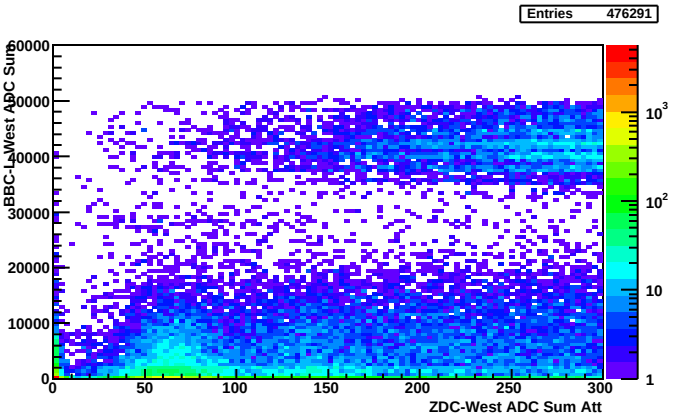

Entries 476291
TOF Mult
ZDC-East ADC Sum Att

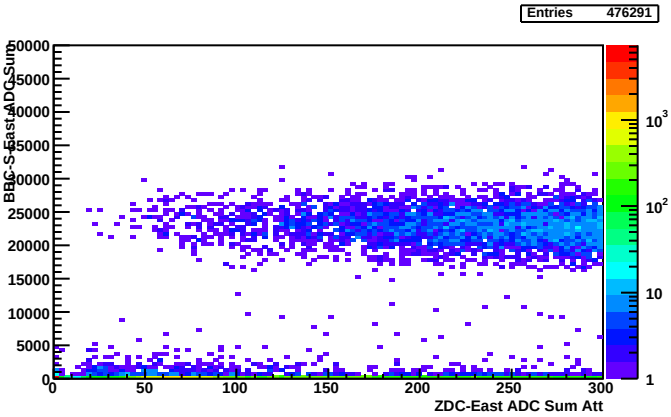

Entries 476291
TOF Mult
ZDC-West ADC Sum Att

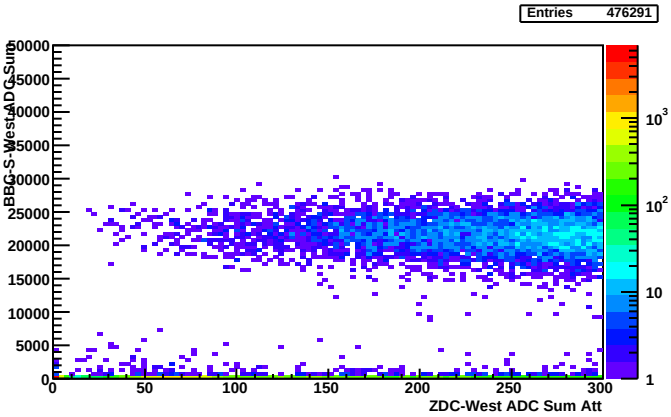

Entries 476291
BBC-L-East ADC Sum
BBC-S-East ADC Sum

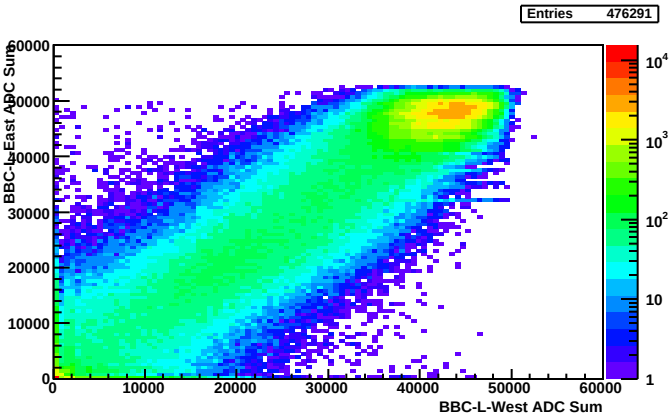

Entries 476291
BBC-L-West ADC Sum
BBC-S-West ADC Sum

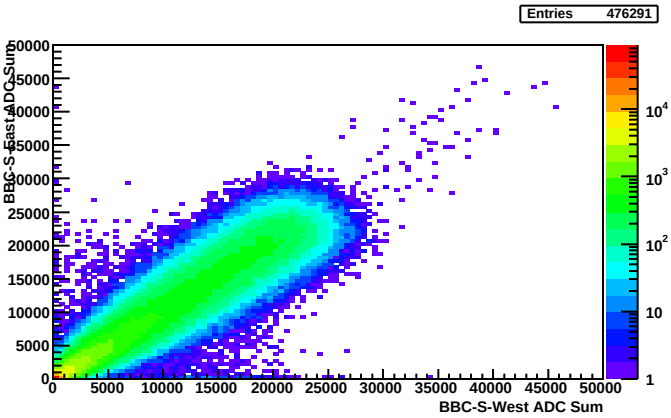

Entries 476291
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

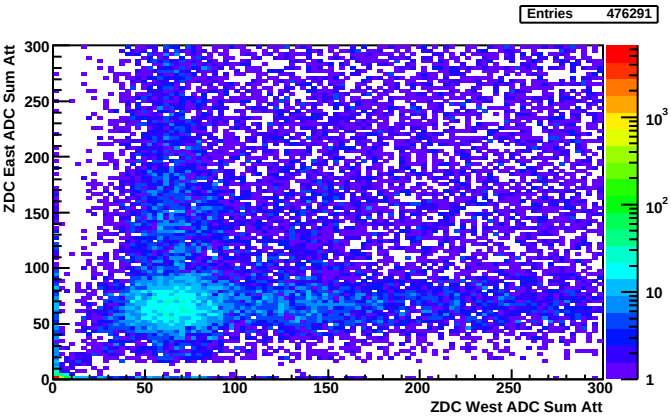

Entries 476291
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

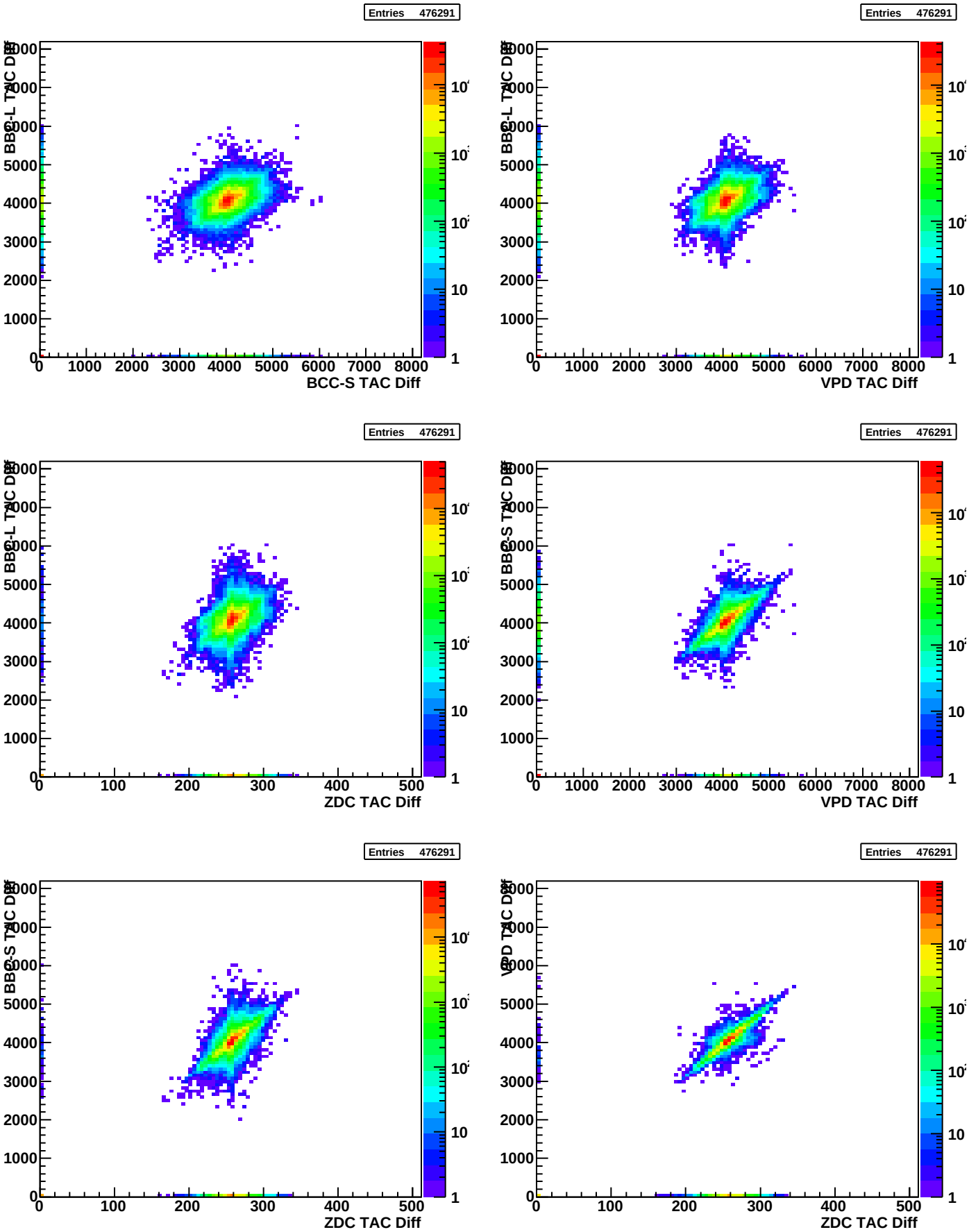

Entries 476291
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

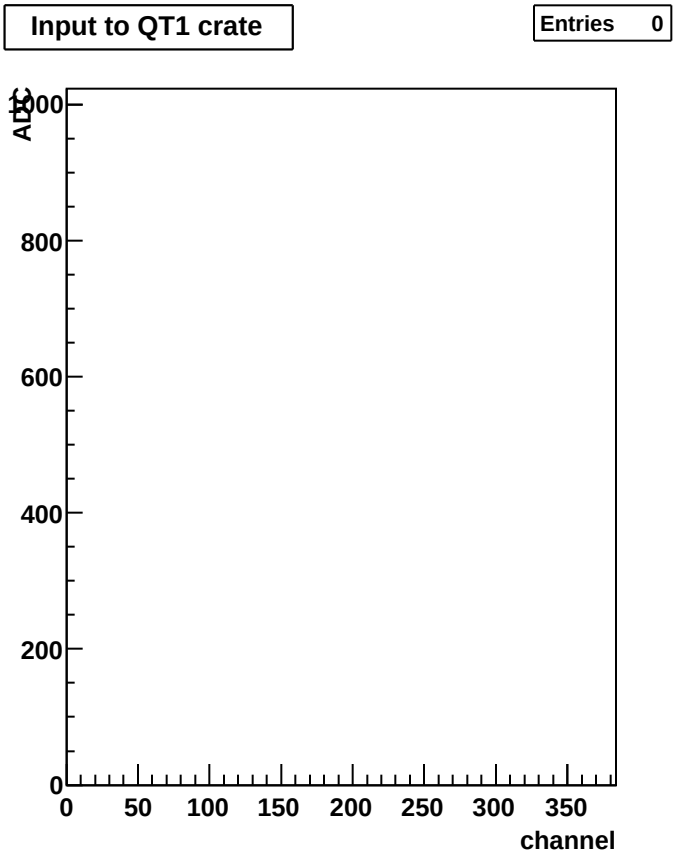

Entries 476291
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

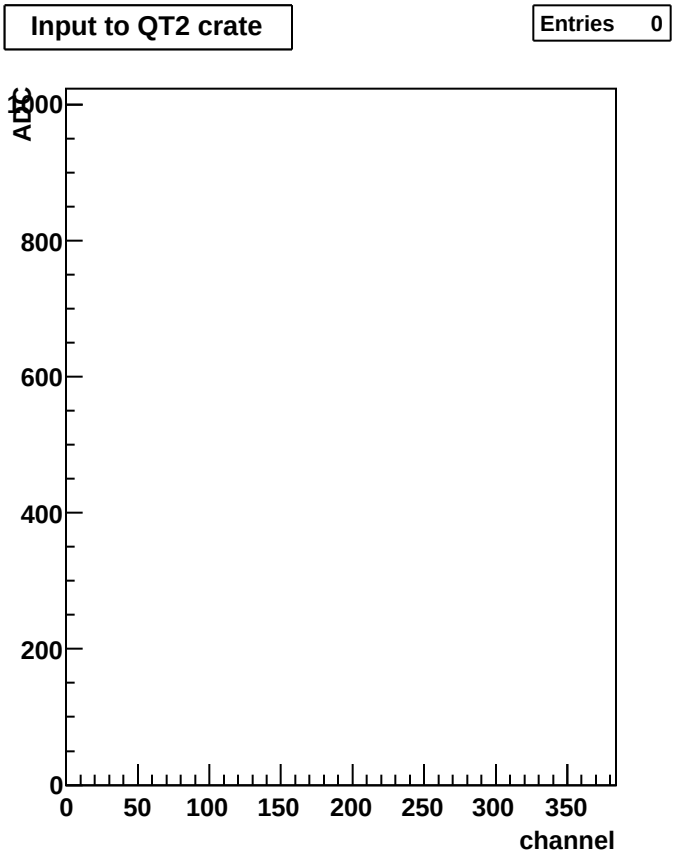

Entries 476291
BBC-L-East ADC Sum
BBC-L-West ADC Sum

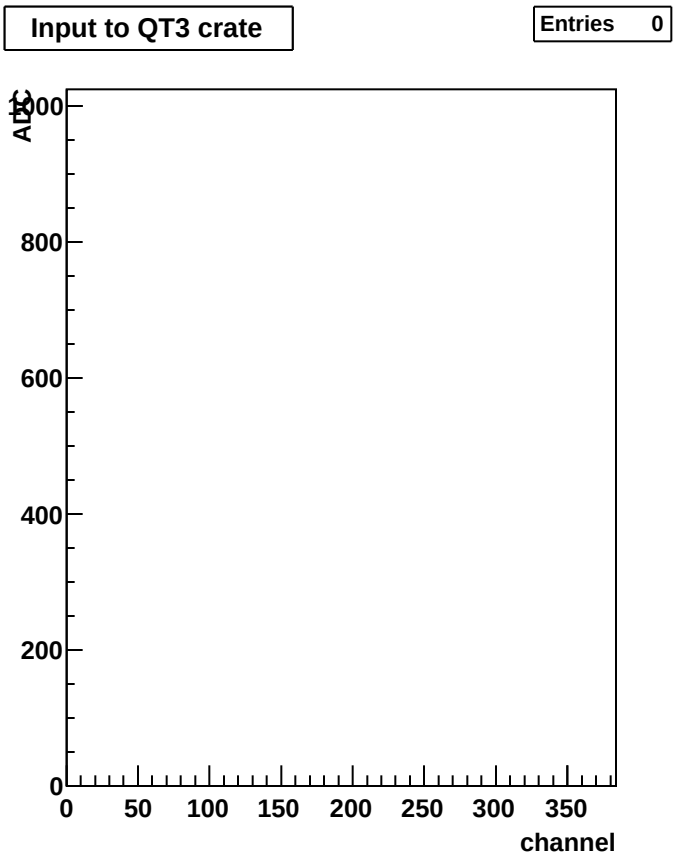

Entries 476291
BBC-S-East ADC Sum
BBC-S-West ADC Sum

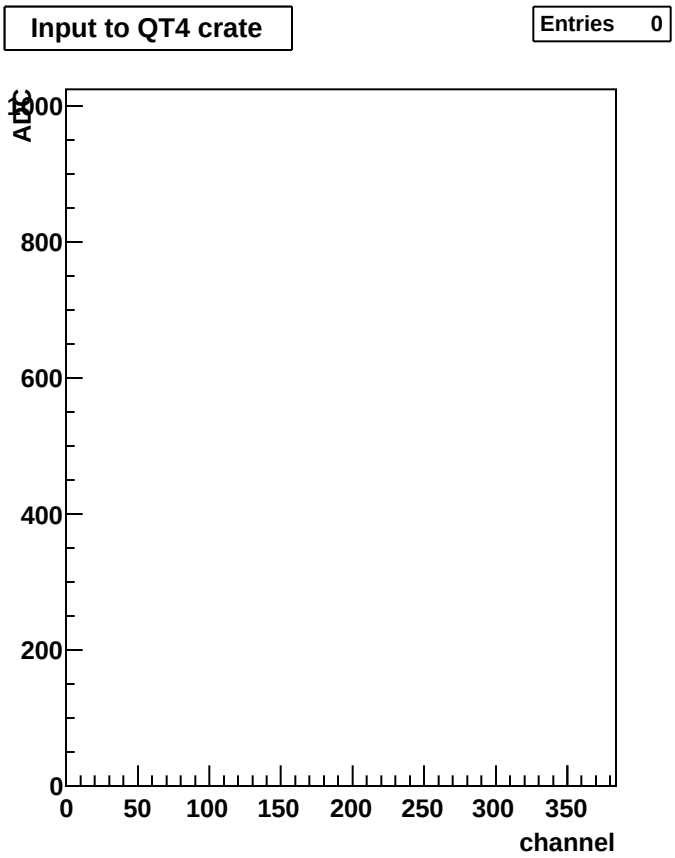

Entries 476291
ZDC East ADC Sum Att
ZDC West ADC Sum Att

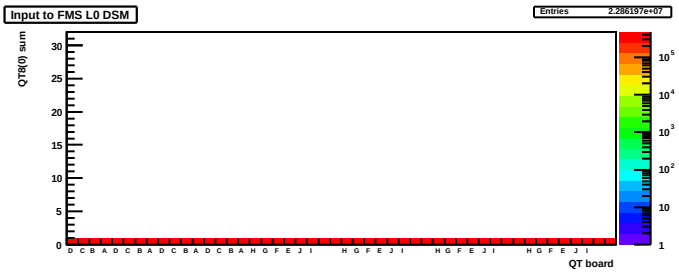

Entries 476291
BBC-L TAC Diff
BCC-S TAC Diff
VPD TAC Diff
ZDC TAC Diff
BBC-S TAC Diff

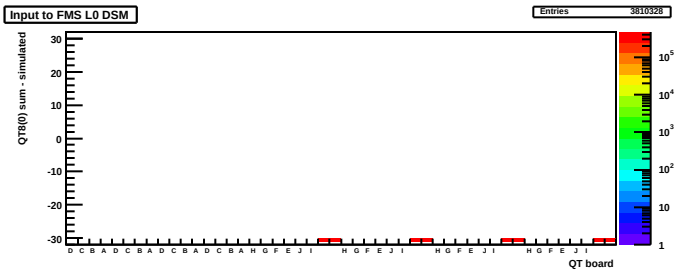

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

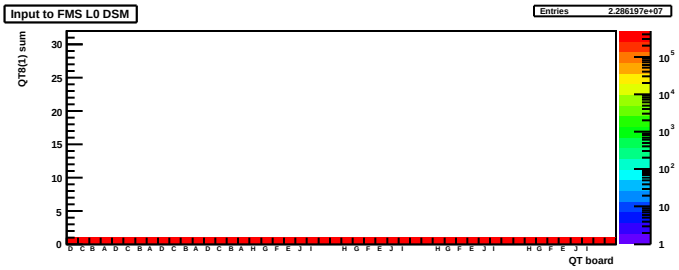

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

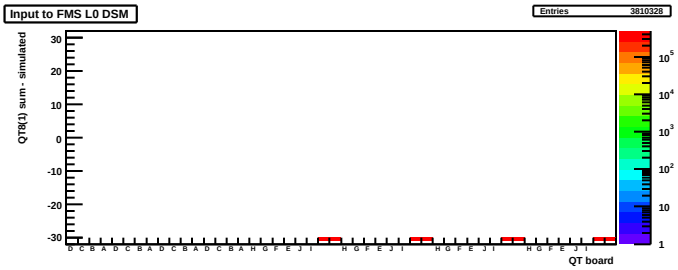

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

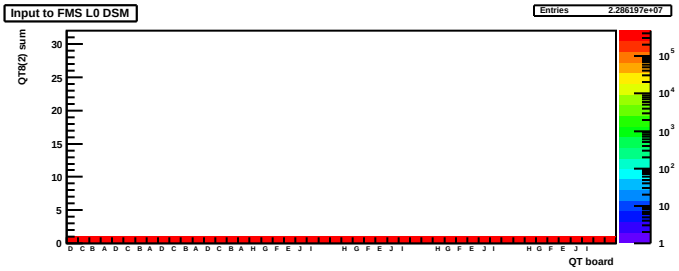

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

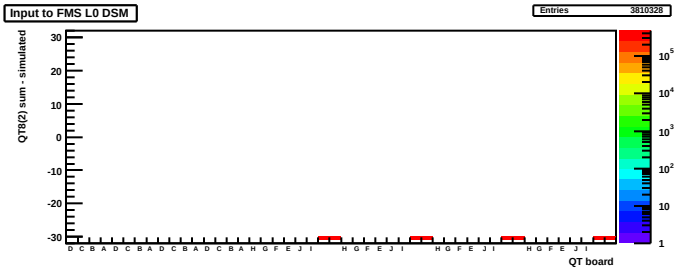

Input to FMS L0 DSM
Entries 2.286197e+07
QT8(0) sum
QT board

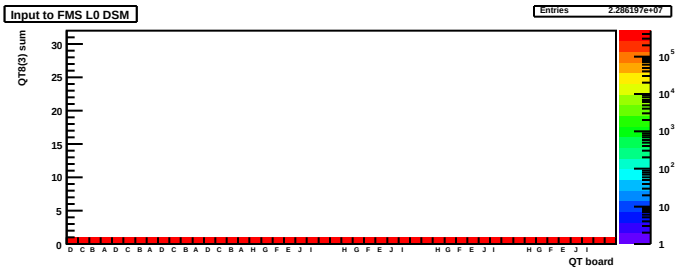

Input to FMS L0 DSM
Entries 3810328
QT8(0) sum - simulated
QT board

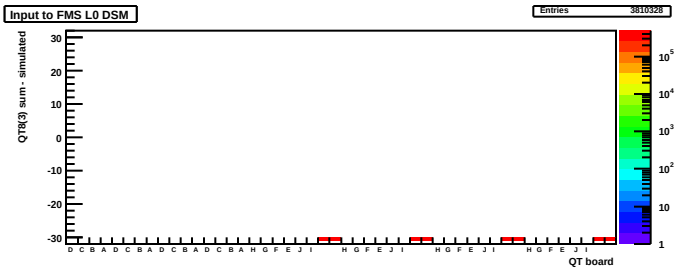

Input to FMS L0 DSM
Entries 2.286197e+07
QT8(1) sum
QT board

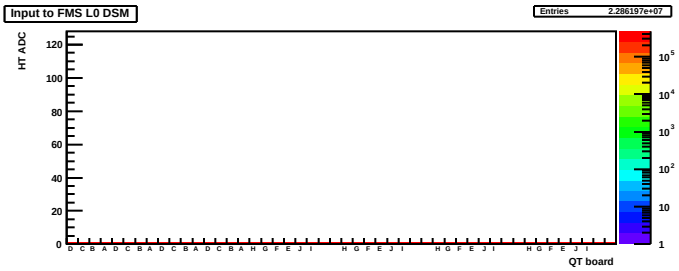

Input to FMS L0 DSM
Entries 3810328
QT8(1) sum - simulated
QT board

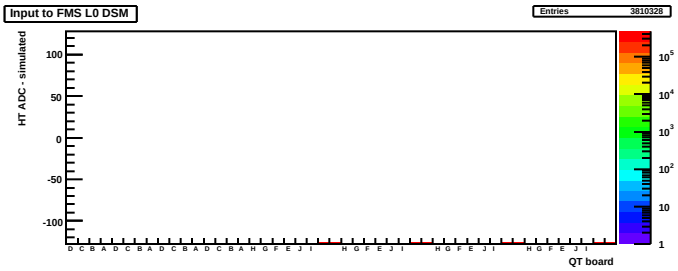

Input to FMS L0 DSM
Entries 2.286197e+07
QT8(2) sum
QT board

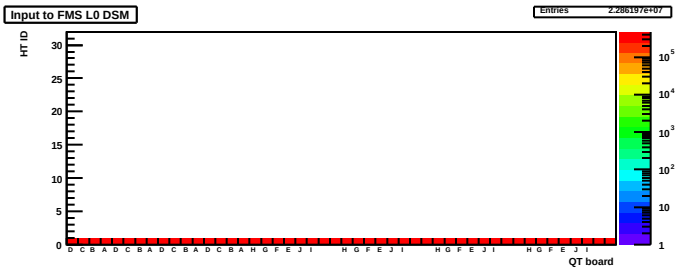

Input to FMS L0 DSM
Entries 3810328
QT8(2) sum - simulated
QT board

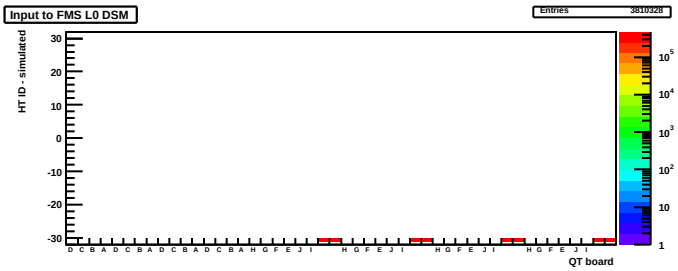

Input to FMS L0 DSM
Entries 2.286197e+07
QT8(3) sum
QT board

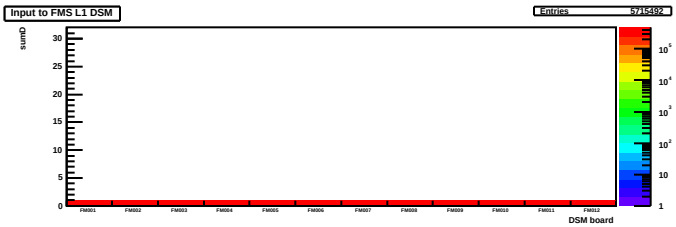

Input to FMS L0 DSM
Entries 3810328
QT8(3) sum - simulated
QT board

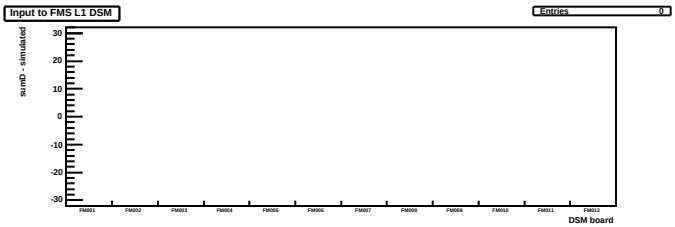

Input to FMS L0 DSM
Entries 2.286197e+07
HT ADC
QT board

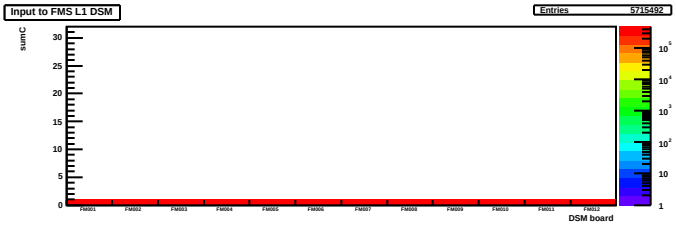

Input to FMS L0 DSM
Entries 3810328
HT ADC - simulated
QT board

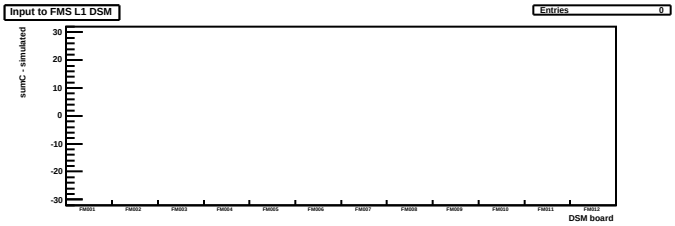

Input to FMS L0 DSM
Entries 2.286197e+07
HT ID
QT board

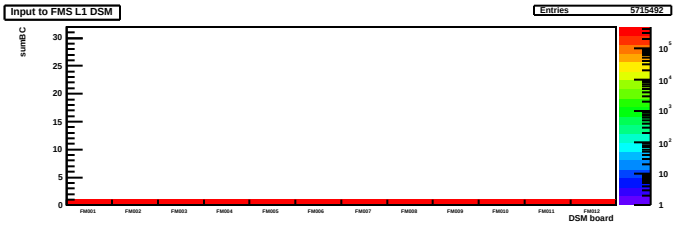

Input to FMS L0 DSM
Entries 3810328
HT ID - simulated
QT board

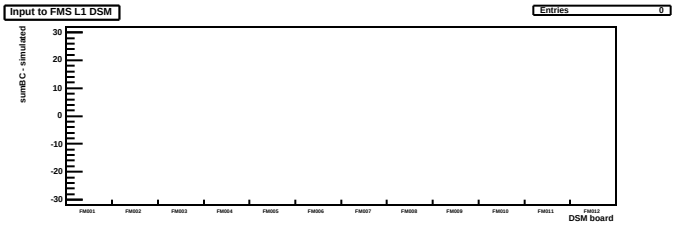

Input to FMS L1 DSM
Entries 5715492
sumD
DSM board

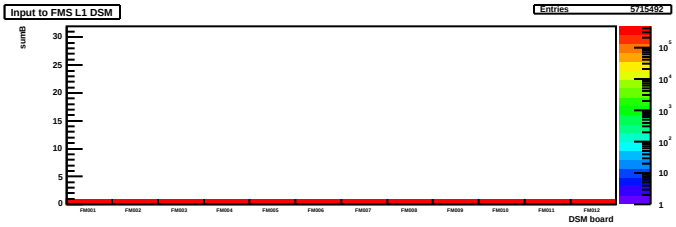

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

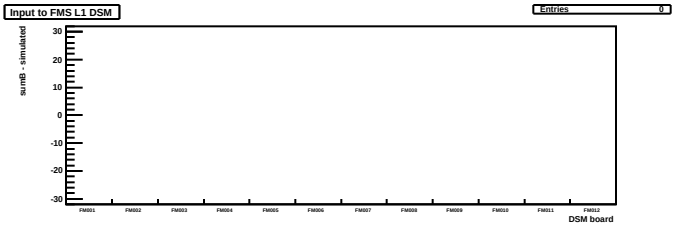

Input to FMS L1 DSM
Entries 5715492
sumC
DSM board

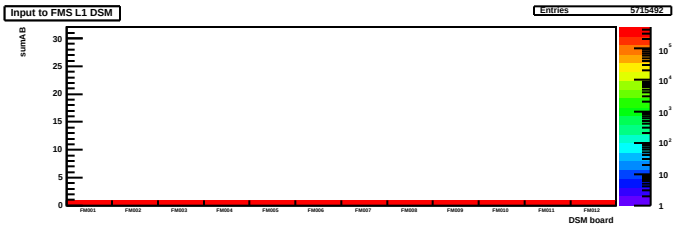

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

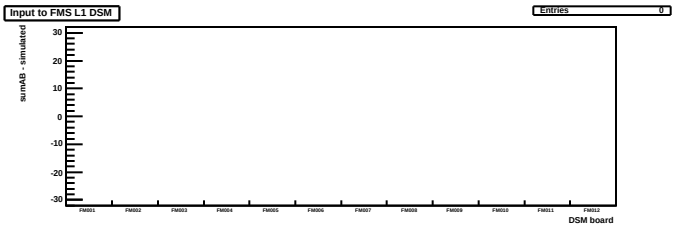

Input to FMS L1 DSM
Entries 5715492
sumBC
DSM board

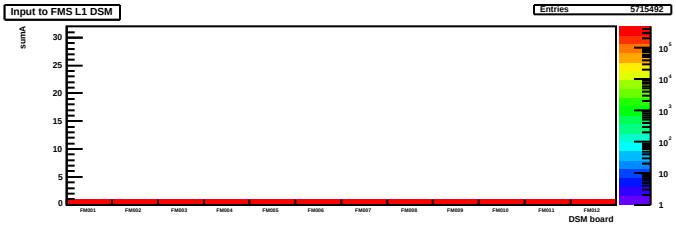

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

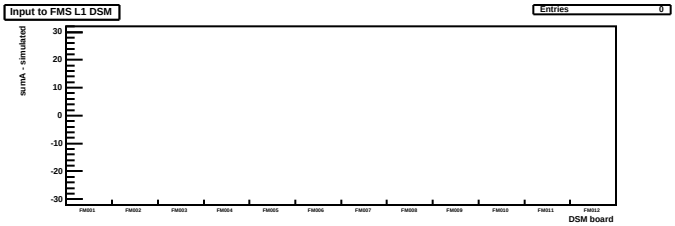

Input to FMS L1 DSM
Entries 5715492
sumB
DSM board

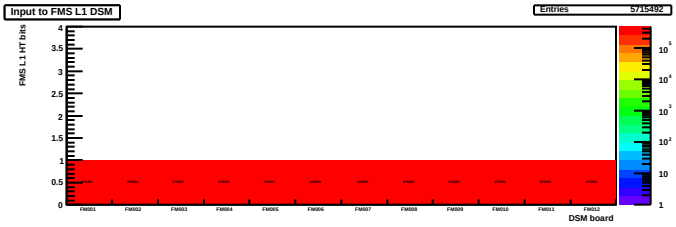

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

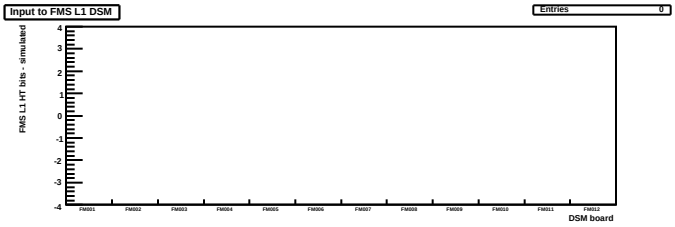

Input to FMS L1 DSM
Entries 5715492
sumAB
DSM board

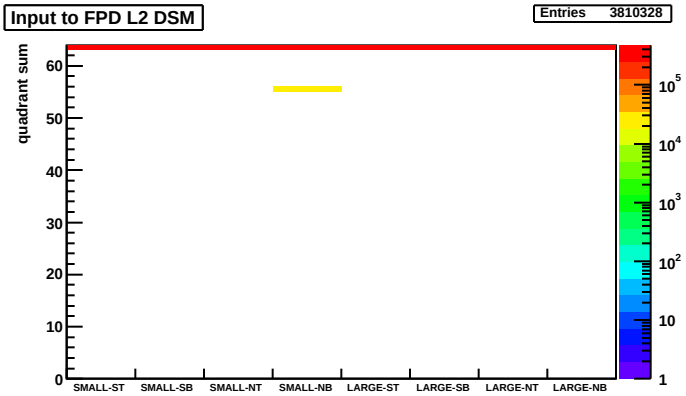

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

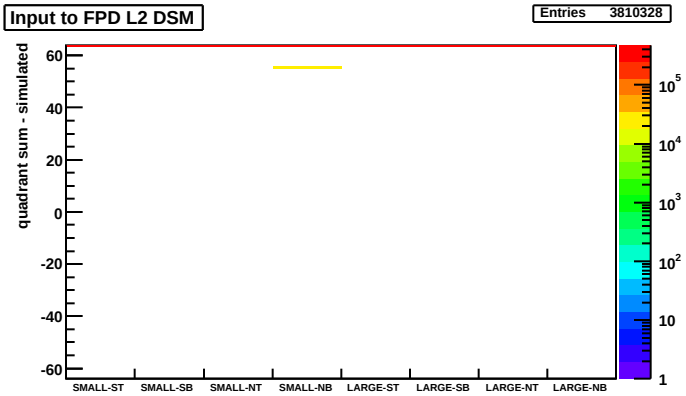

Input to FMS L1 DSM
Entries 5715492
sumA
DSM board

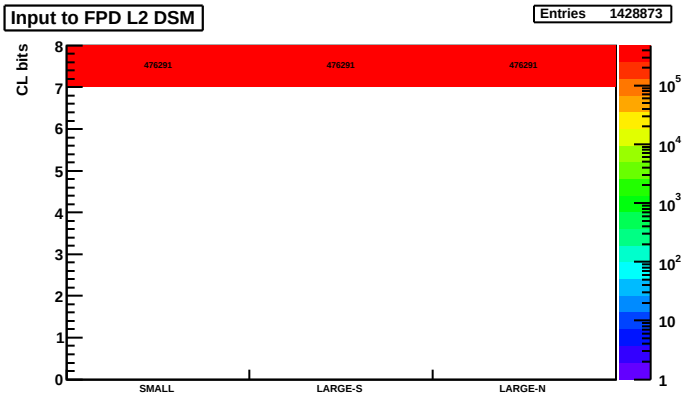

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

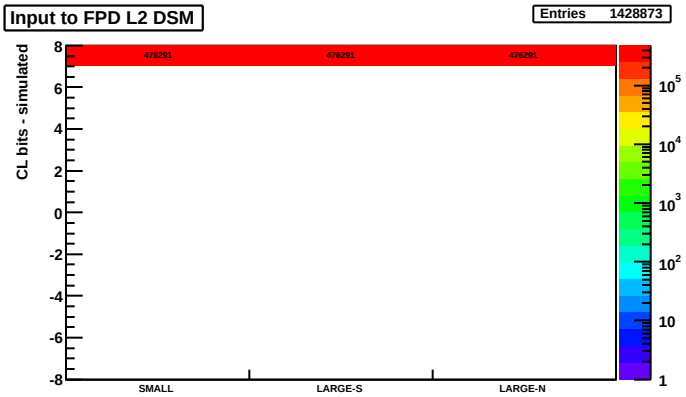

Input to FMS L1 DSM
Entries 5715492
FMS L1 HT bits
DSM board

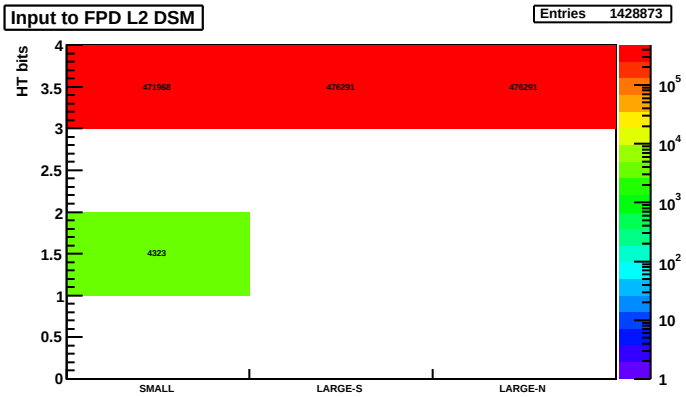

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

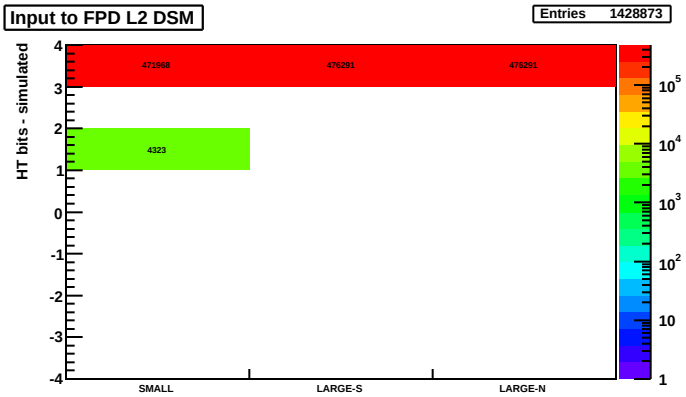

Input to FPD L2 DSM
Entries 3810328
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

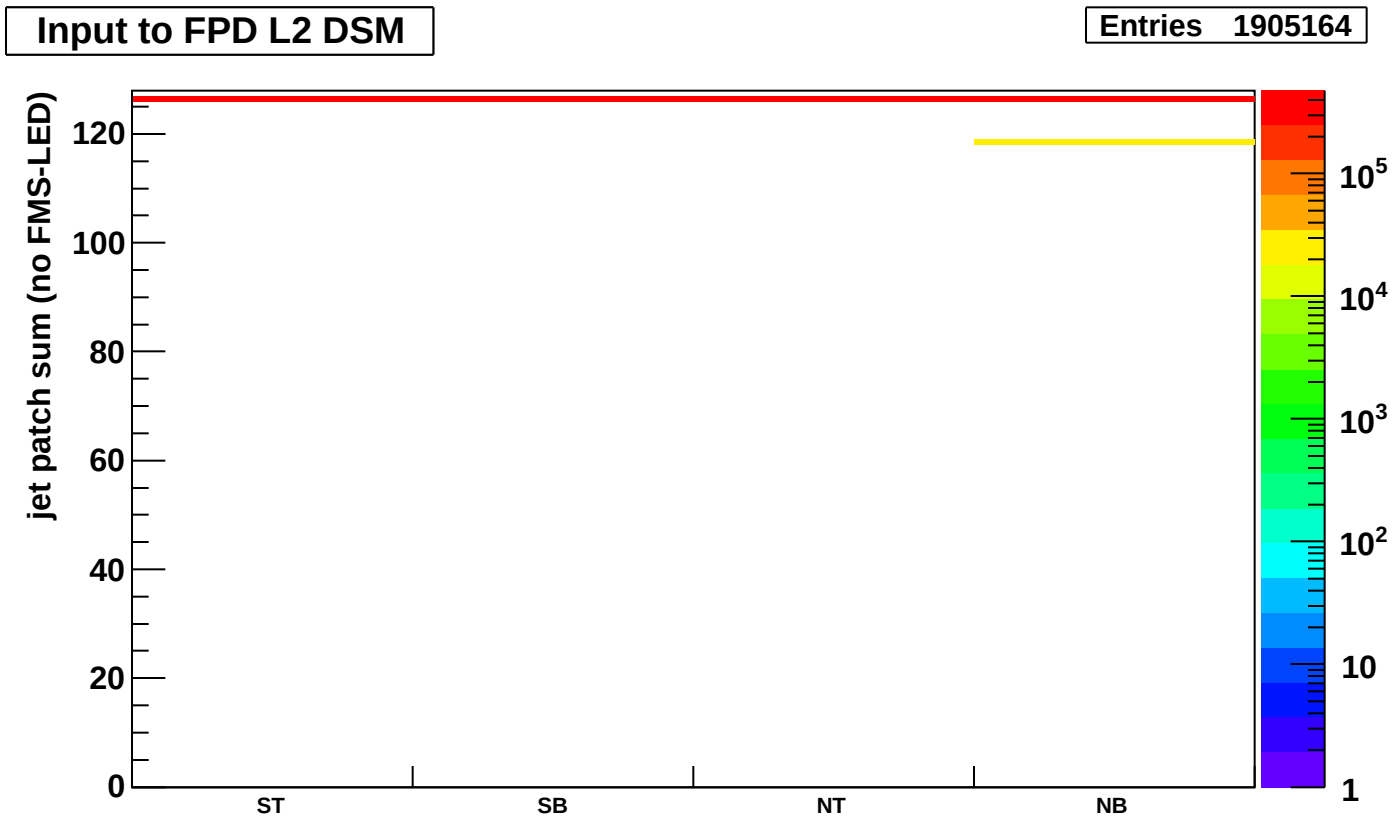

Input to FPD L2 DSM
Entries 3810328
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

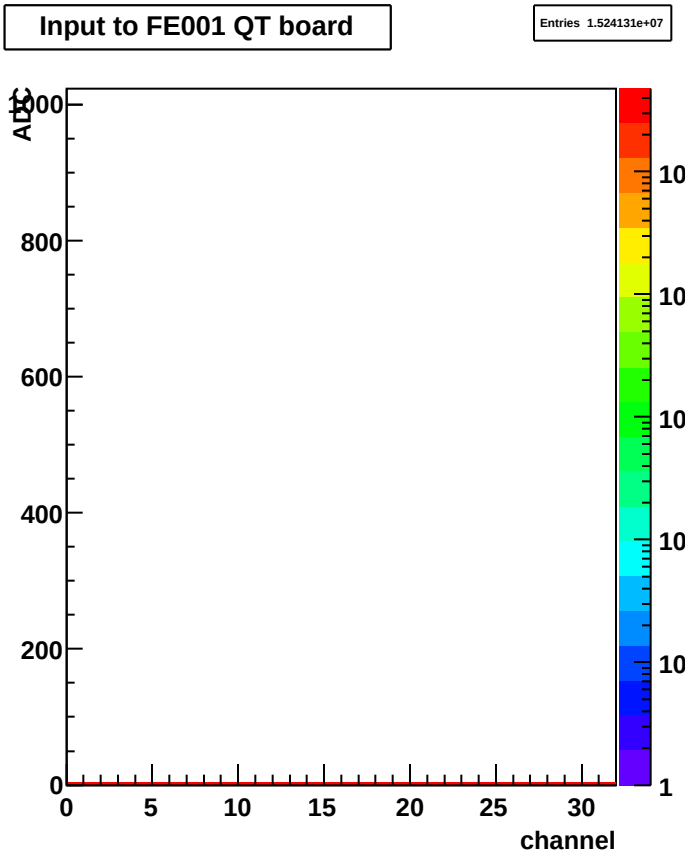

Input to FPD L2 DSM
Entries 1428873
CL bits
476291
476291
476291
SMALL
LARGE-S
LARGE-N

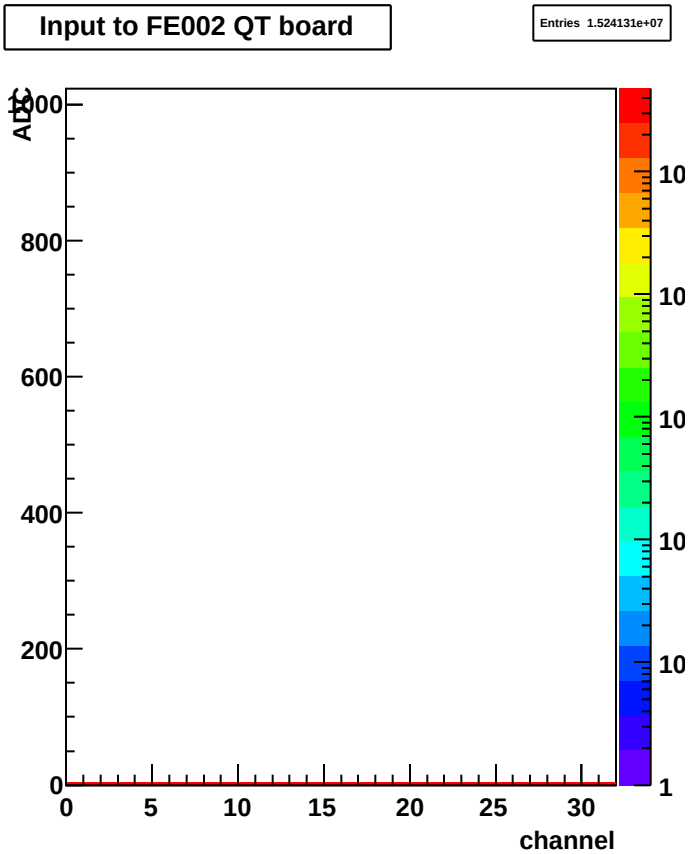

Input to FPD L2 DSM
Entries 1428873
CL bits - simulated
476291
476291
476291
SMALL
LARGE-S
LARGE-N

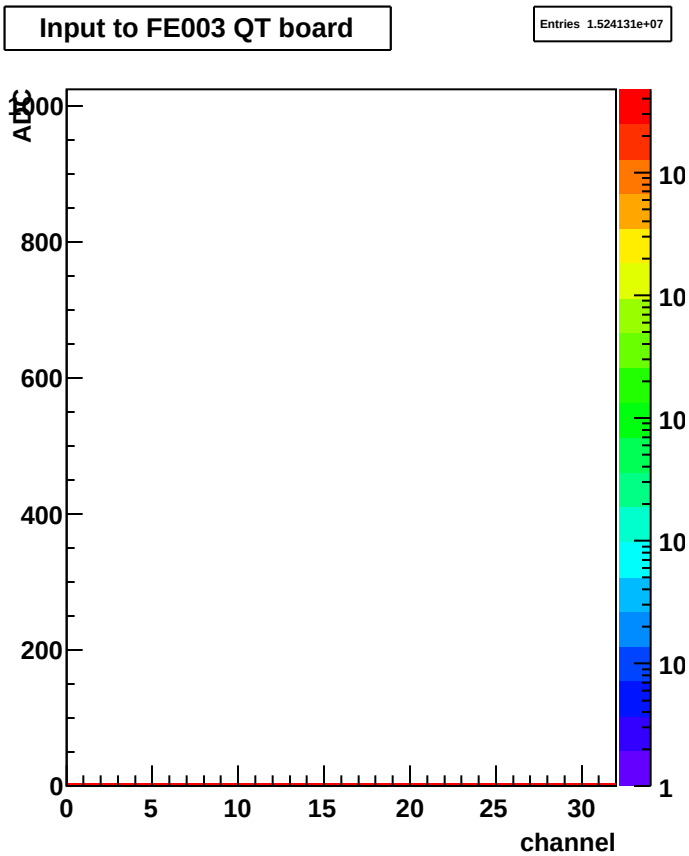

Input to FPD L2 DSM
Entries 1428873
HT bits
471968
476291
476291
4323
SMALL
LARGE-S
LARGE-N

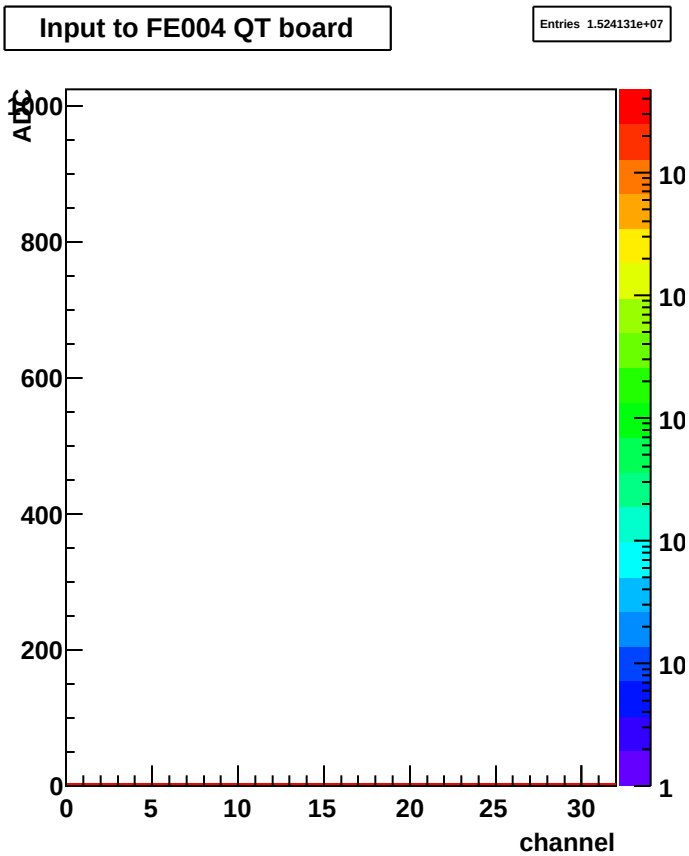

Input to FPD L2 DSM
Entries 1428873
HT bits - simulated
471968
476291
476291
4323
SMALL
LARGE-S
LARGE-N

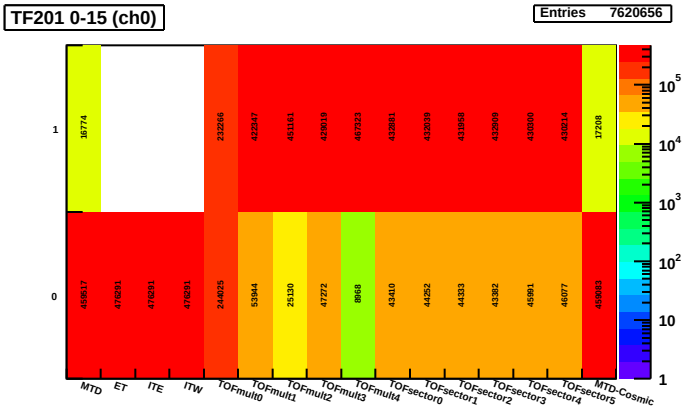

Input to FPD L2 DSM
Entries 1905164
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

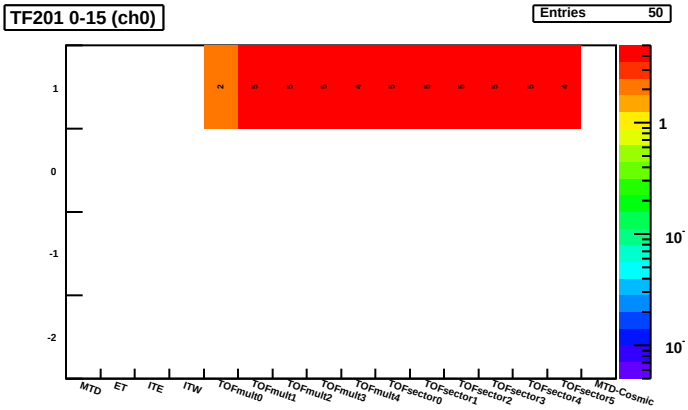

Input to FE001 QT board
Entries 1.524131e+07
ADC
channel

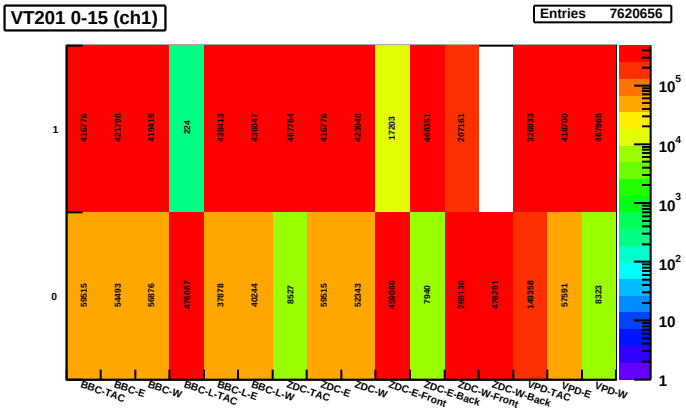

Input to FE002 QT board
Entries 1.524131e+07
ADC
channel

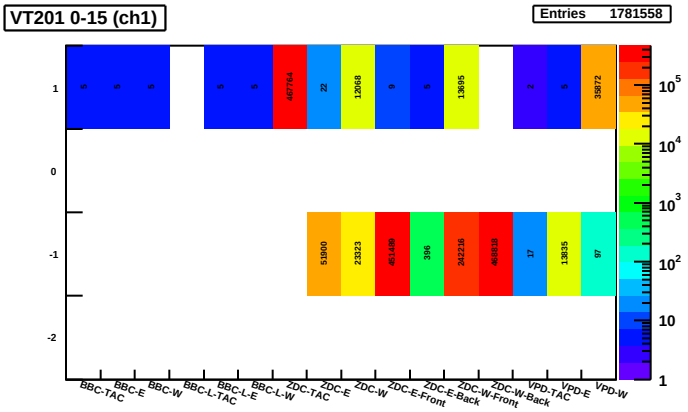

Input to FE003 QT board
Entries 1.524131e+07
ADC
channel

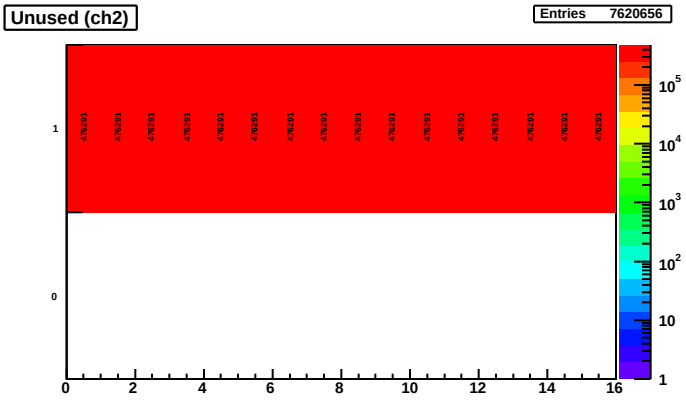

Input to FE004 QT board
Entries 1.524131e+07
ADC
channel

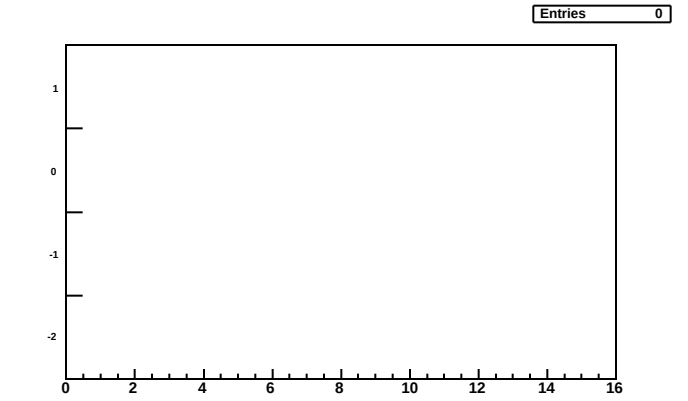

TF201 0-15 (ch0)
Entries 7620656
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

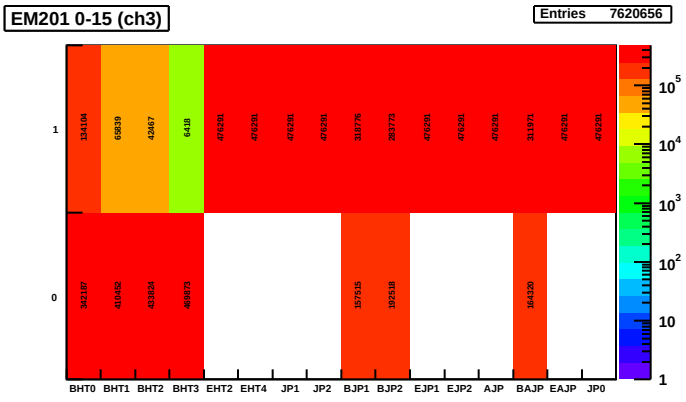

TF201 0-15 (ch0)
Entries 50
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

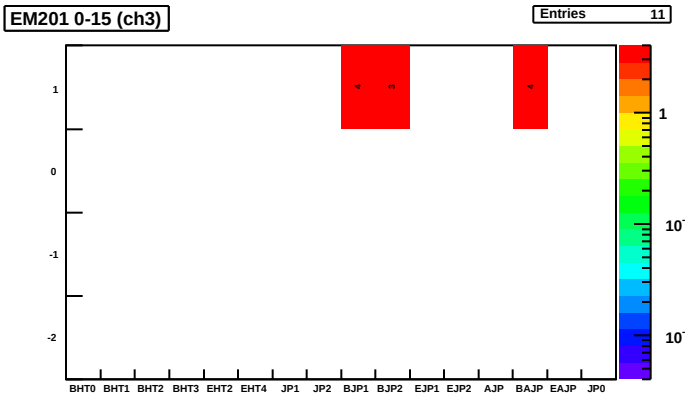

VT201 0-15 (ch1)
Entries 7620656
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1781558
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

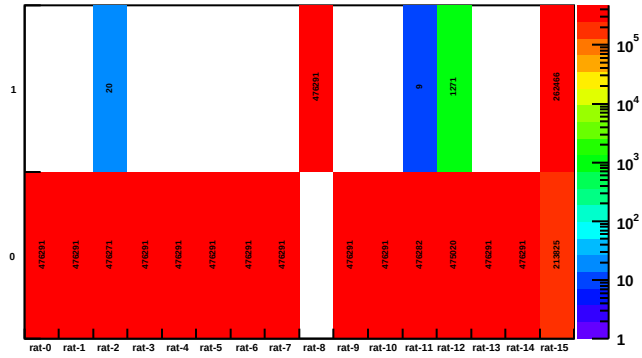

Unused (ch2)
Entries 7620656

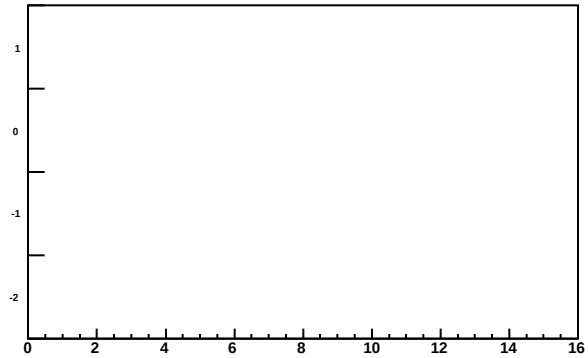

Entries 0


EM201 0-15 (ch3)
Entries 7620656
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

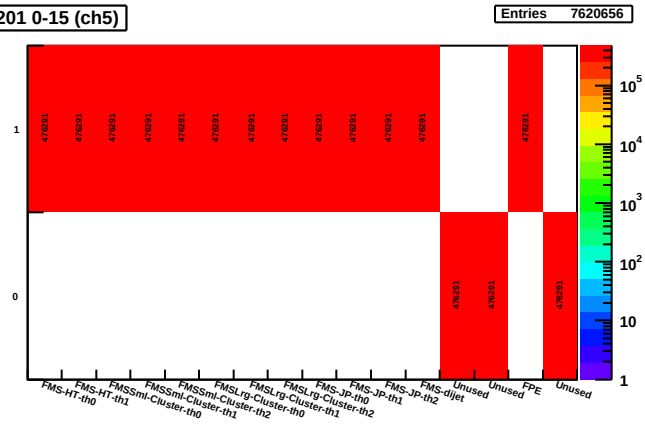

EM201 0-15 (ch3)
Entries 11
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

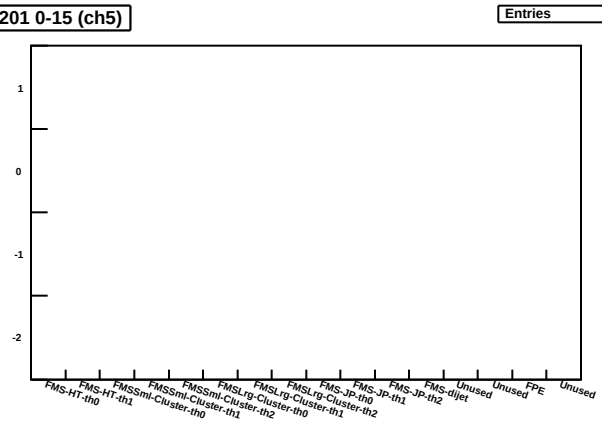




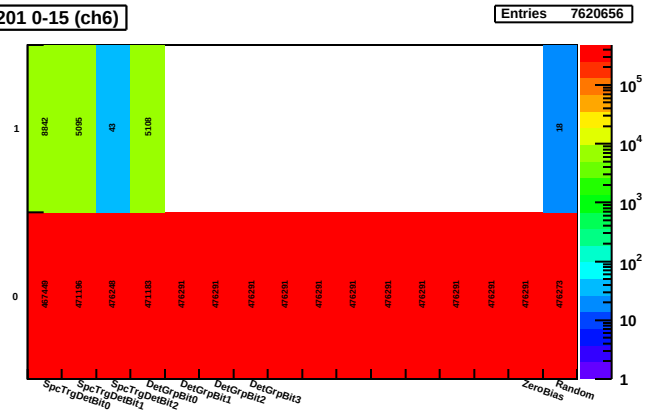
FP201 0-15 (ch5)

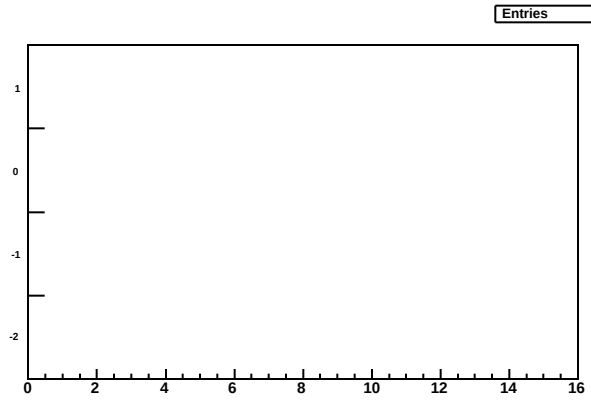
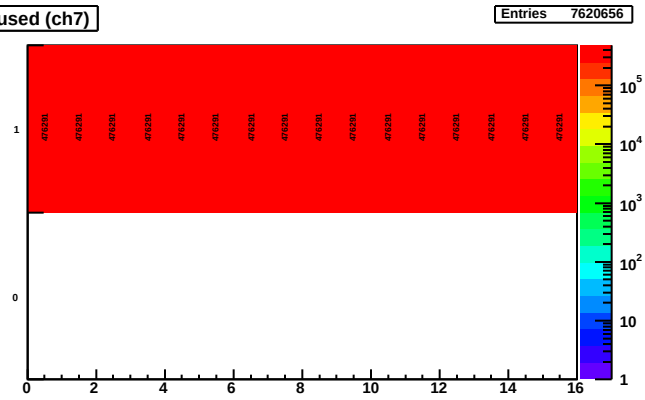
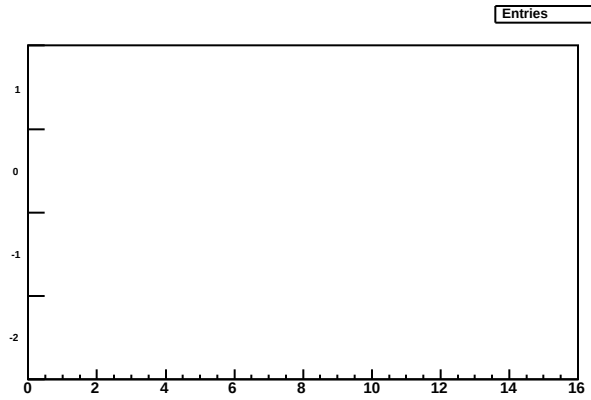


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)