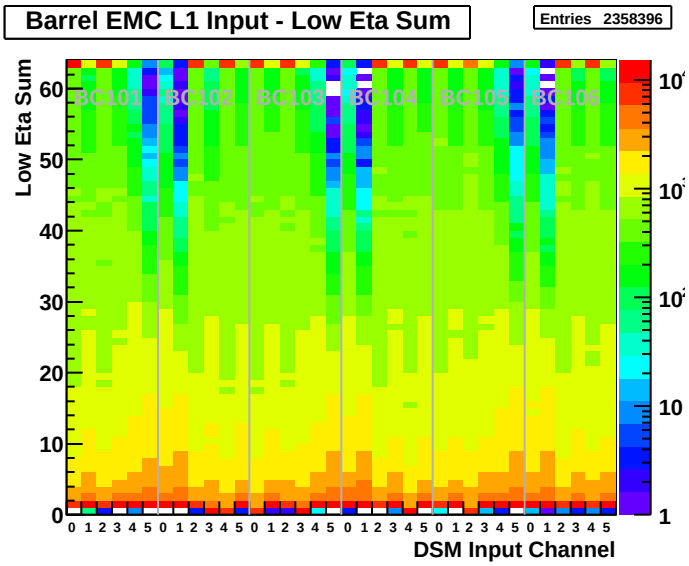
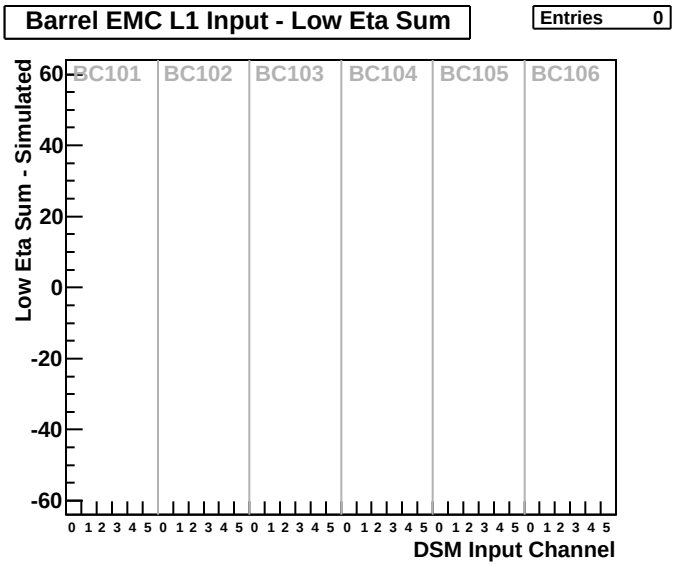
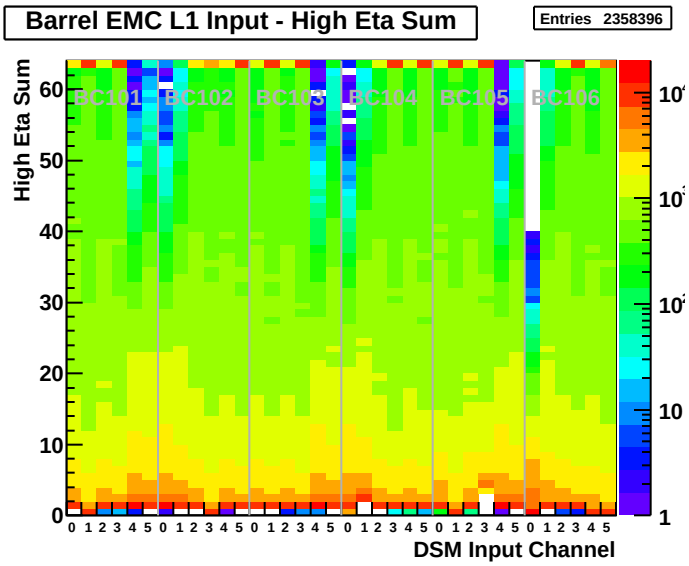
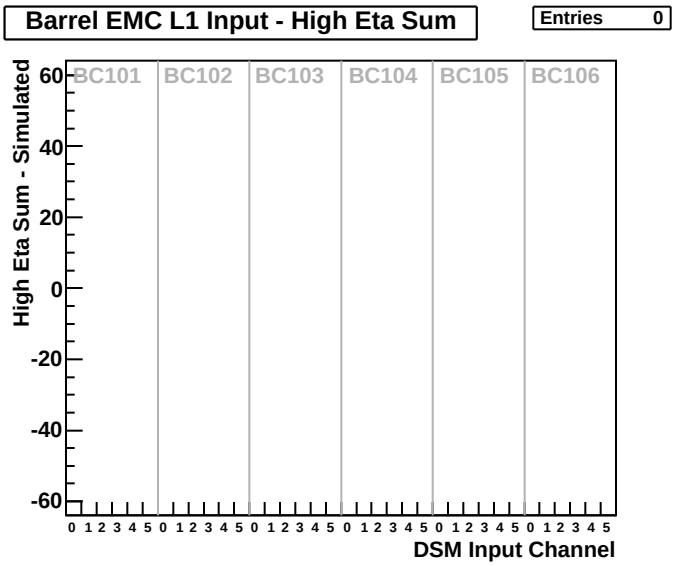
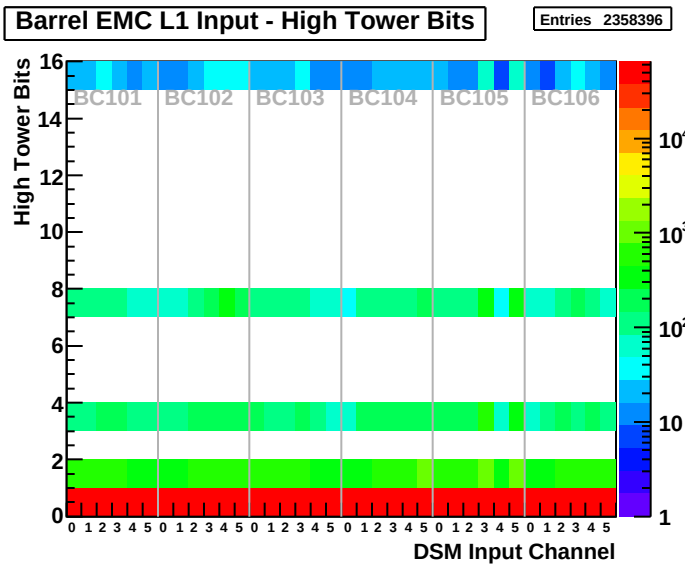
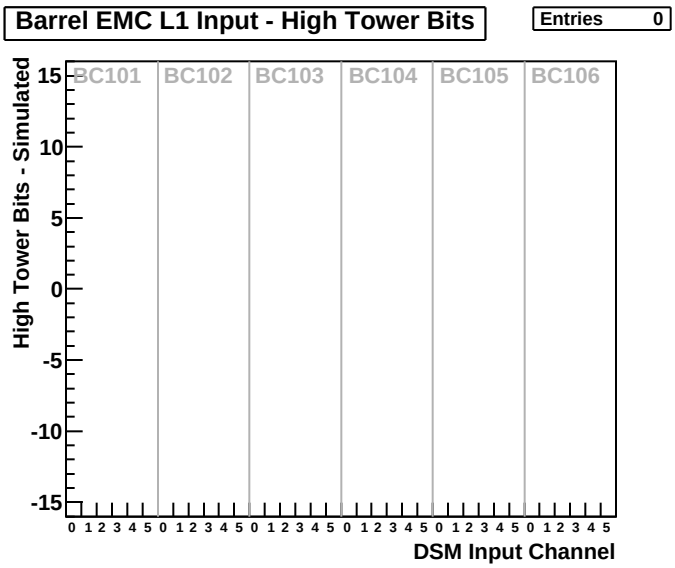

Barrel EMC L1 Input - Low Eta Sum
Entries 2358396
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

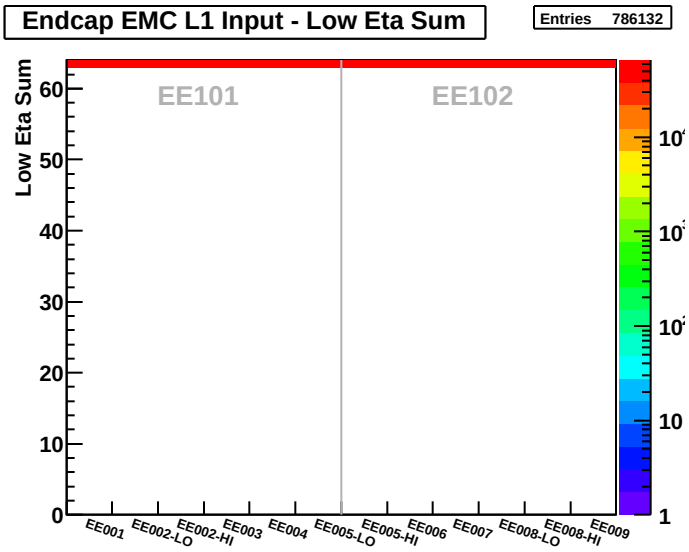

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

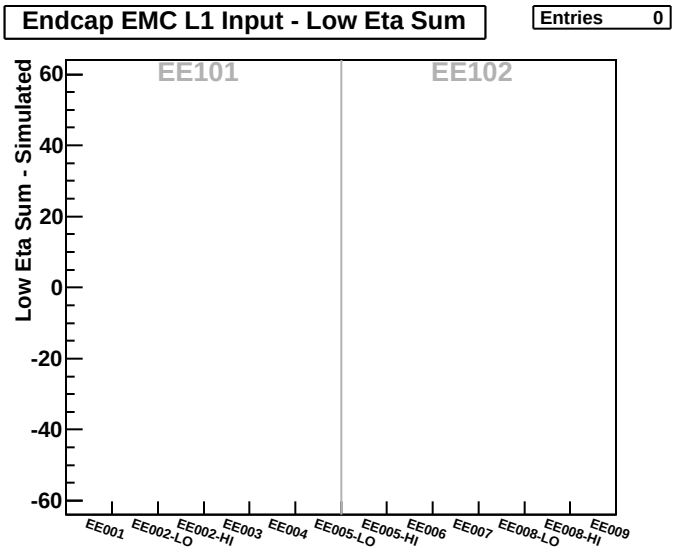

Barrel EMC L1 Input - High Eta Sum
Entries 2358396
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

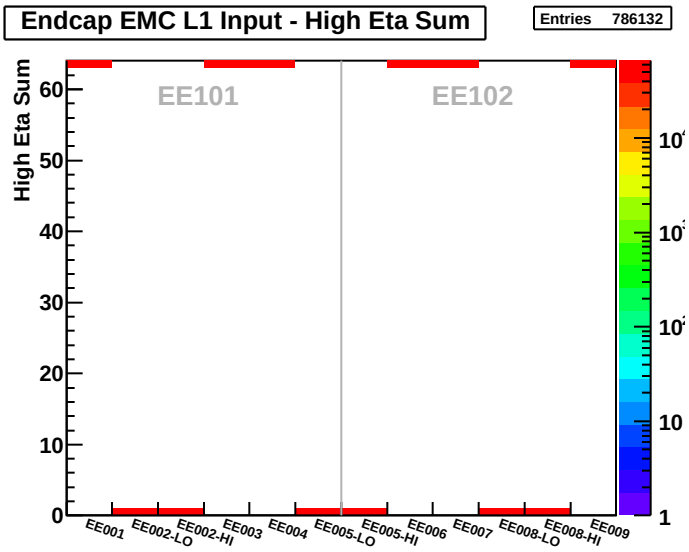

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

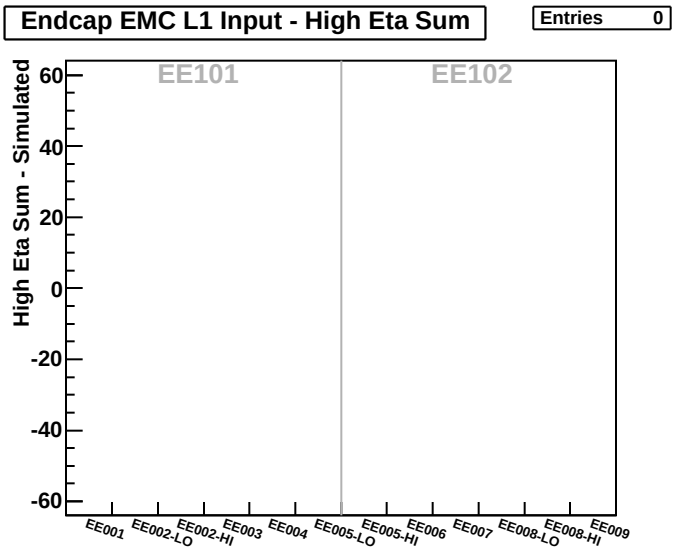

Barrel EMC L1 Input - High Tower Bits
Entries 2358396
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

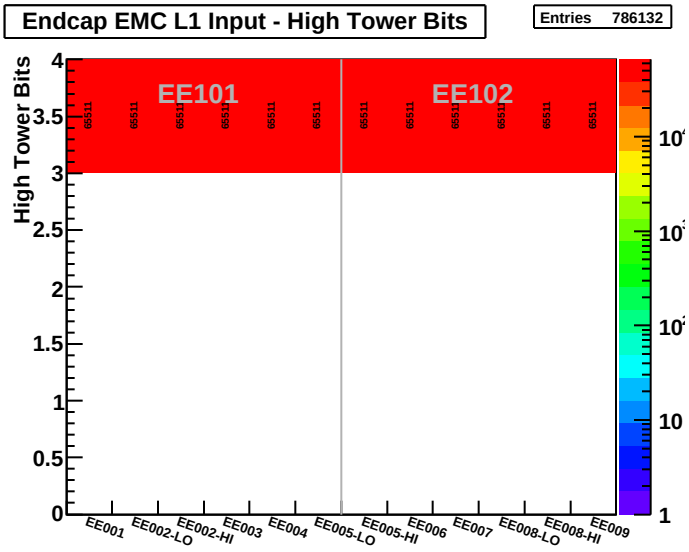

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

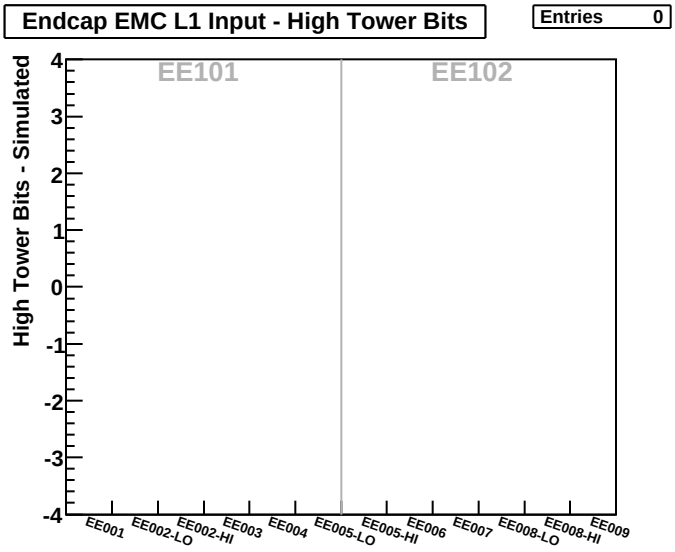

Endcap EMC L1 Input - Low Eta Sum
Entries 786132
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

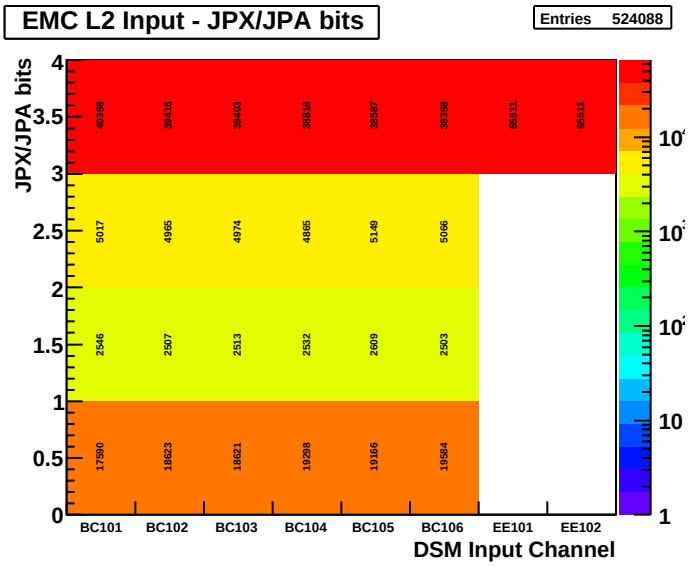

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

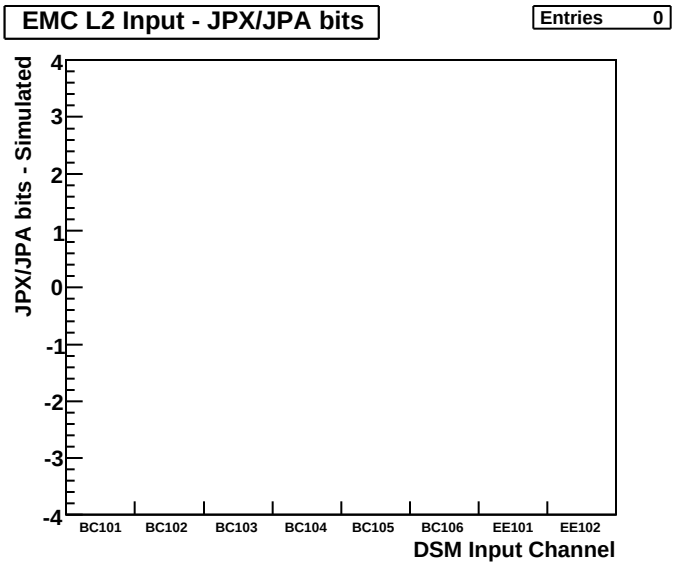

Endcap EMC L1 Input - High Eta Sum
Entries 786132
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

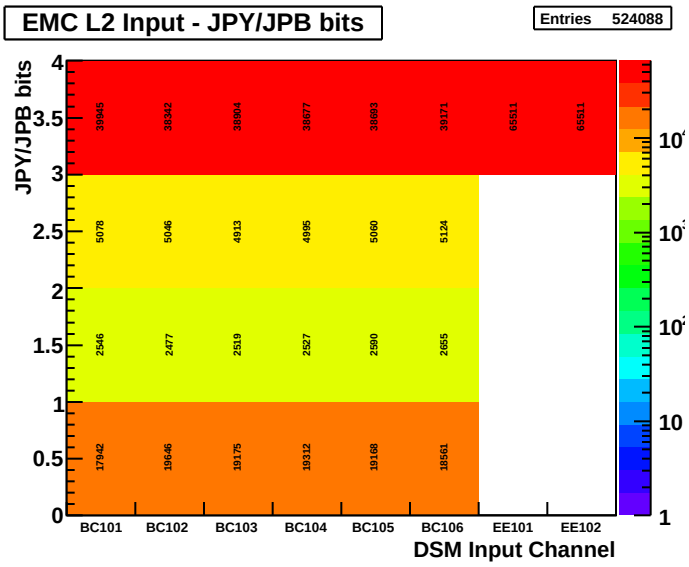

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

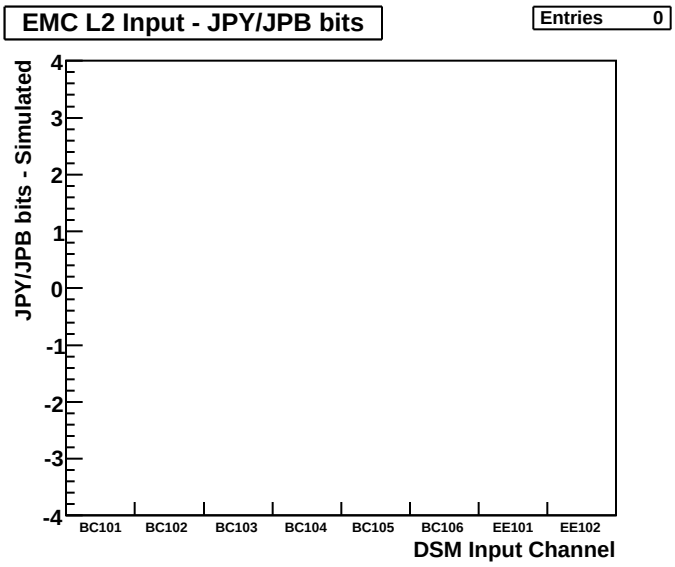

Endcap EMC L1 Input - High Tower Bits
Entries 786132
High Tower Bits
EE101
EE102
65511
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

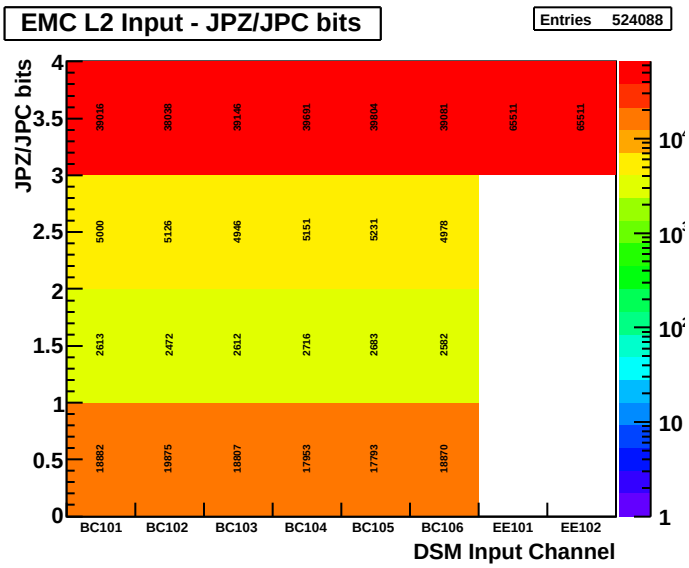

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

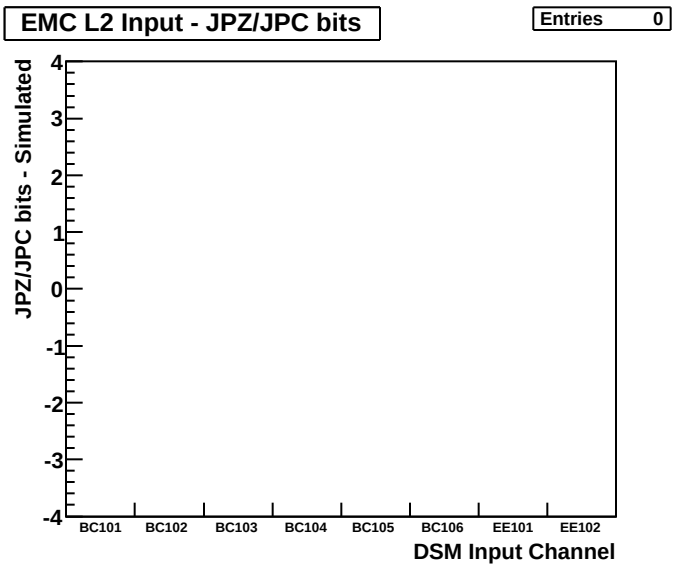

EMC L2 Input - JPX/JPA bits
Entries 524088
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
40358 39416 39403 38816 38587 38358 65511 65511
5017 4965 4974 4865 5149 5066
2546 2507 2513 2532 2609 2503
17590 18623 18621 19298 19166 19584

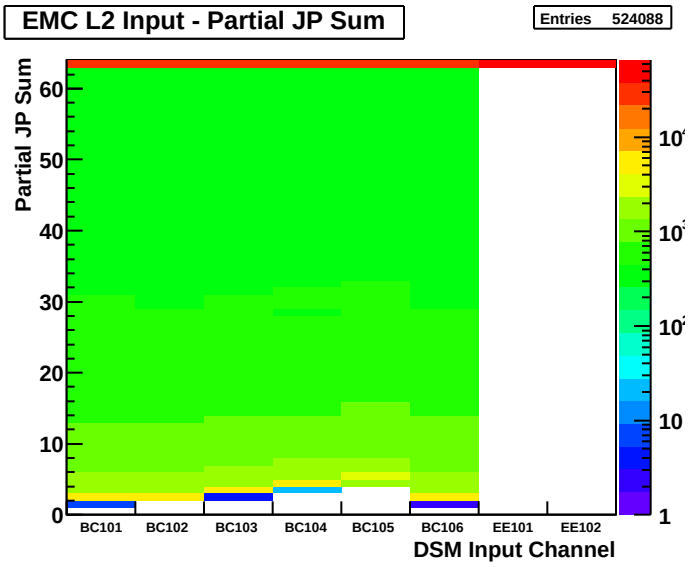

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

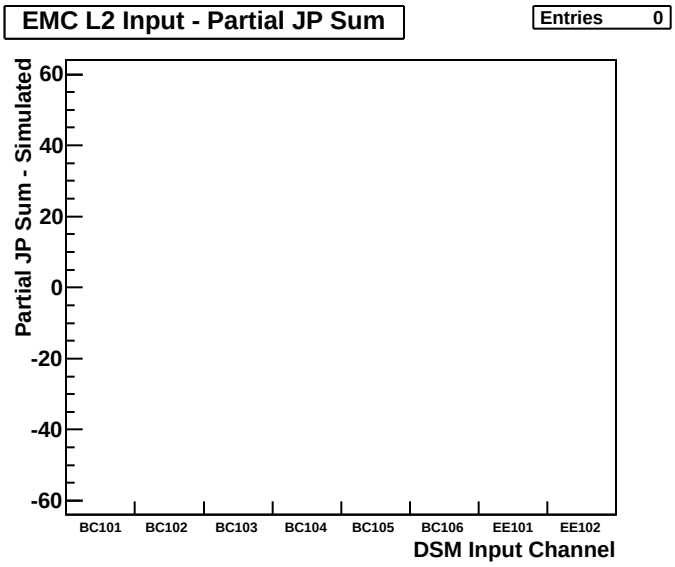

EMC L2 Input - JPY/JPB bits
Entries 524088
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
39945 38342 38804 38677 38683 39171 65511 65511
5078 5046 4913 4995 5060 5124
2546 2477 2519 2527 2590 2655
17942 19646 19175 19312 19168 18561

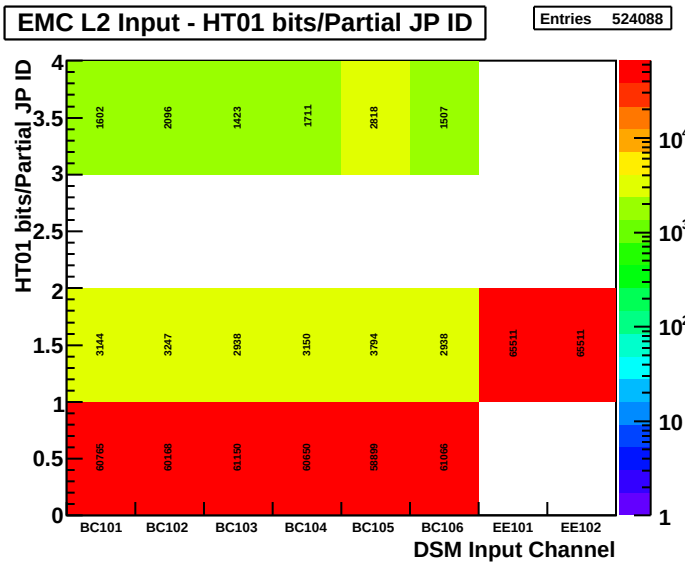

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

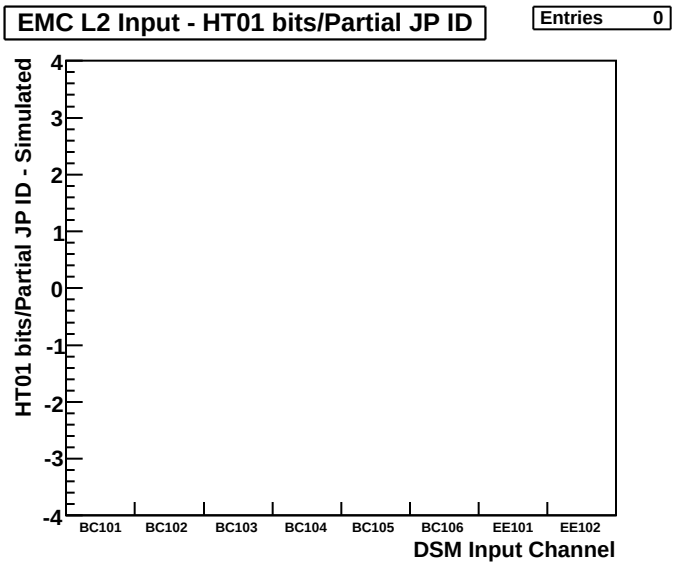

EMC L2 Input - JPZ/JPC bits
Entries 524088
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
38016 38038 38146 38691 38804 39081 65511 65511
5000 5126 4946 5151 5231 4978
2613 2472 2612 2716 2683 2582
18882 19875 18807 17953 17793 18870

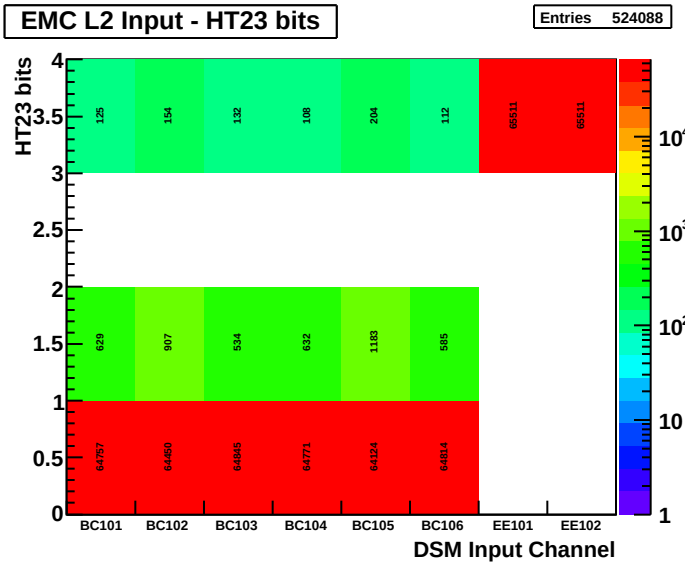

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

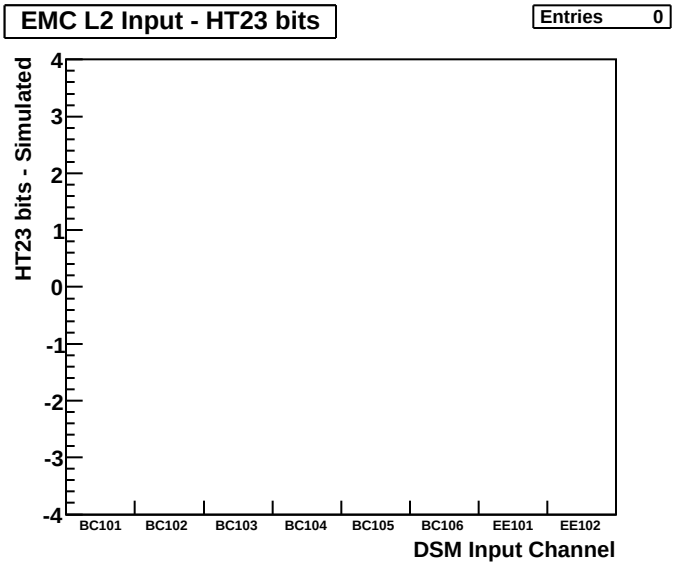

EMC L2 Input - Partial JP Sum
Entries 524088
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

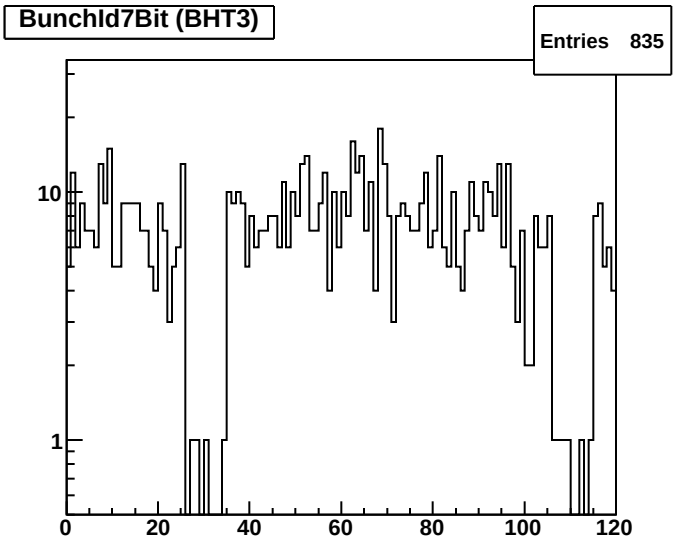

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

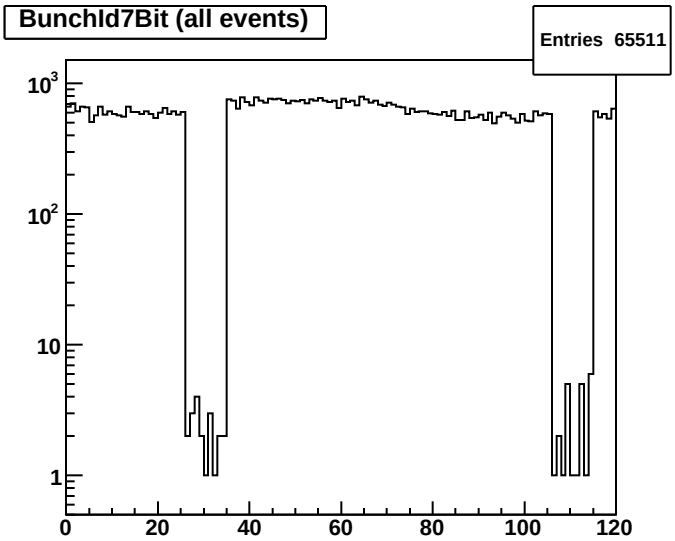

EMC L2 Input - HT01 bits/Partial JP ID
Entries 524088
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

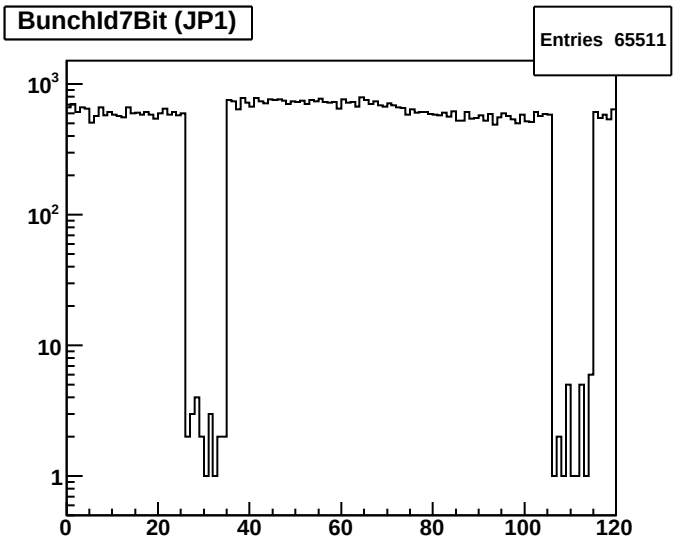

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

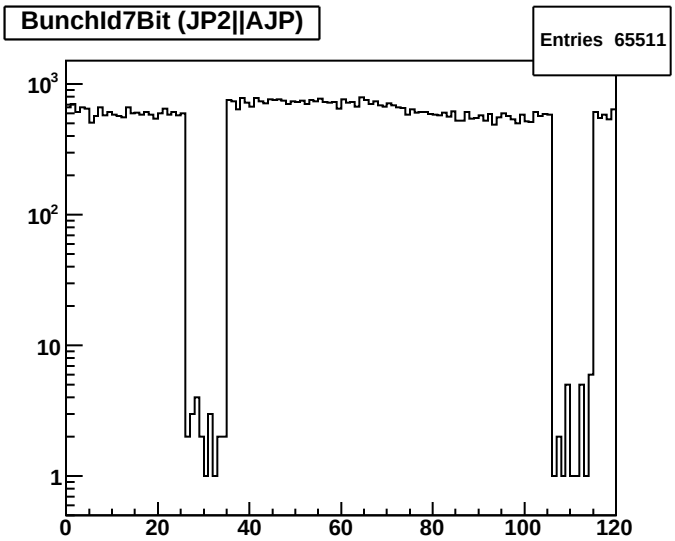

EMC L2 Input - HT23 bits
Entries 524088
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

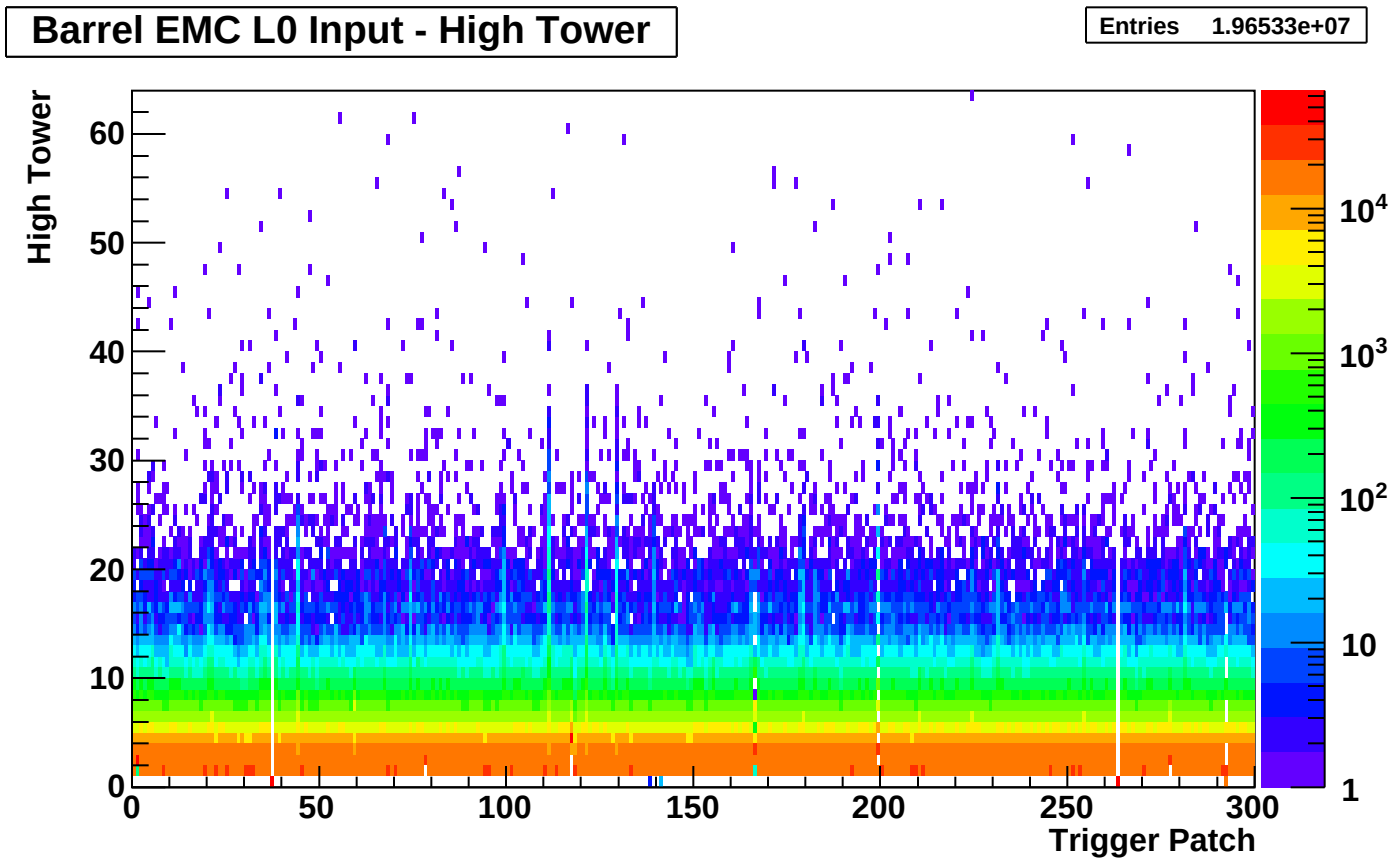

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

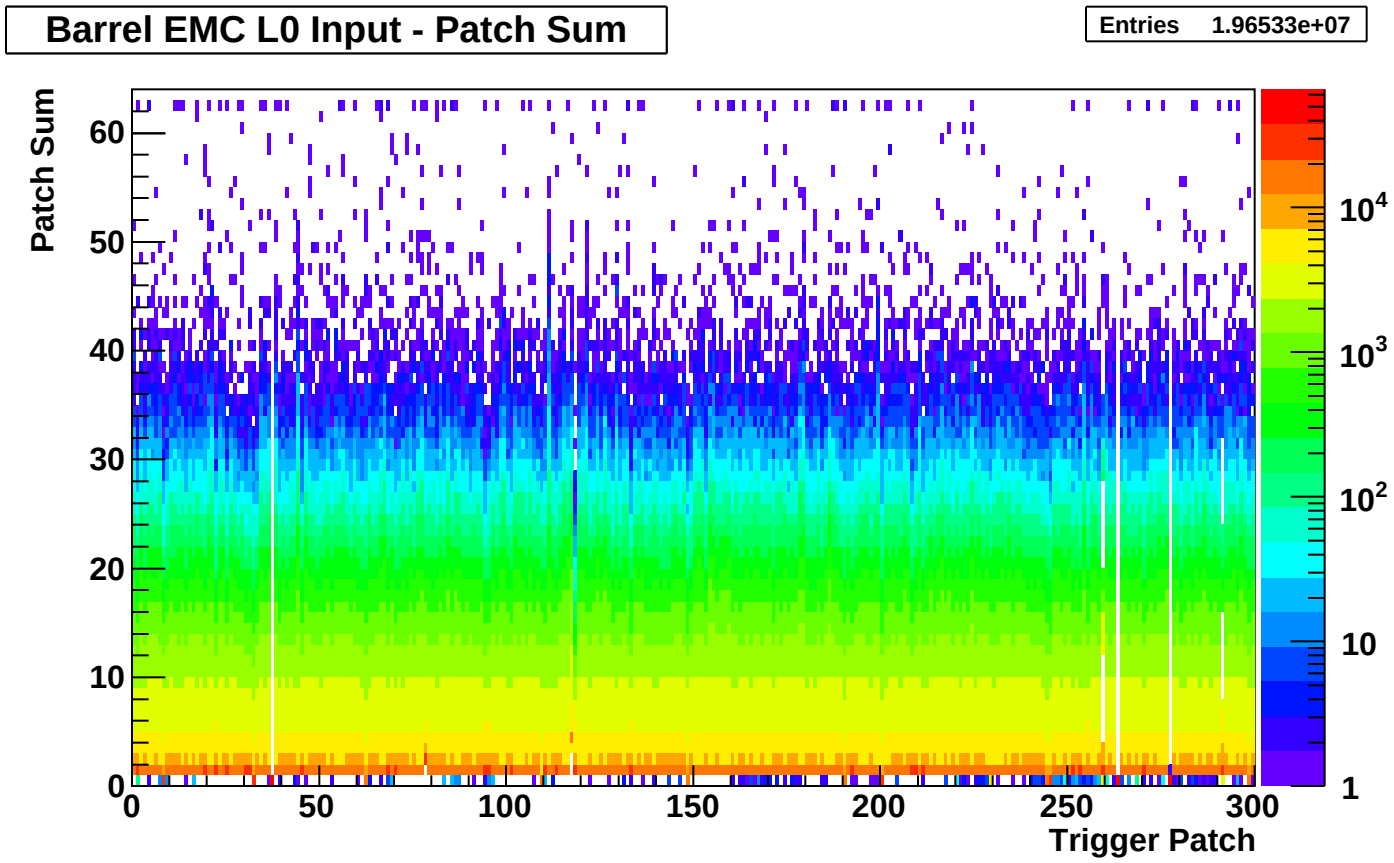

BunchId7Bit (BHT3)
Entries 835
10
1
0
20
40
60
80
100
120

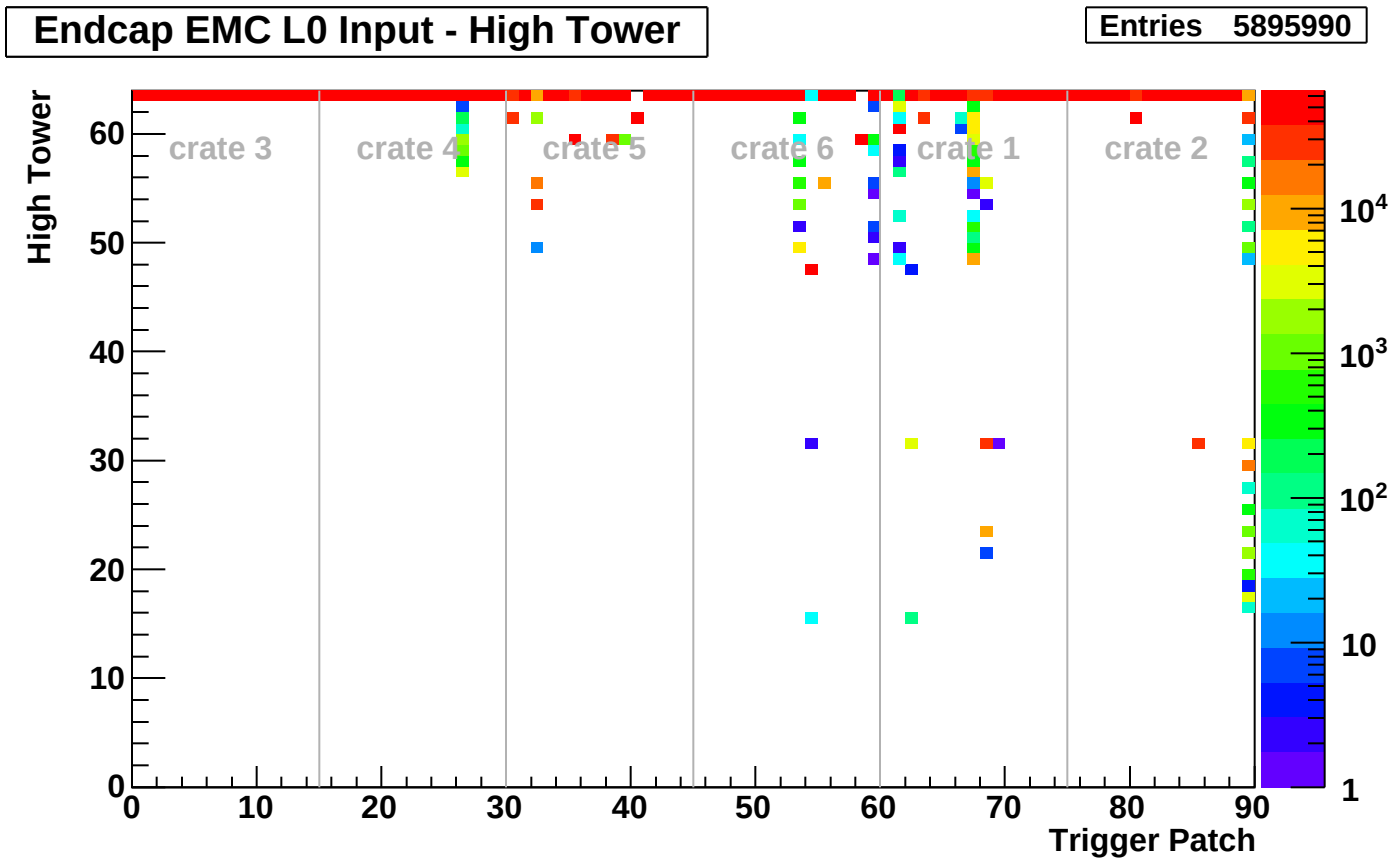

BunchId7Bit (all events)
Entries 65511
10^3
10^2
10
1
0
20
40
60
80
100
120

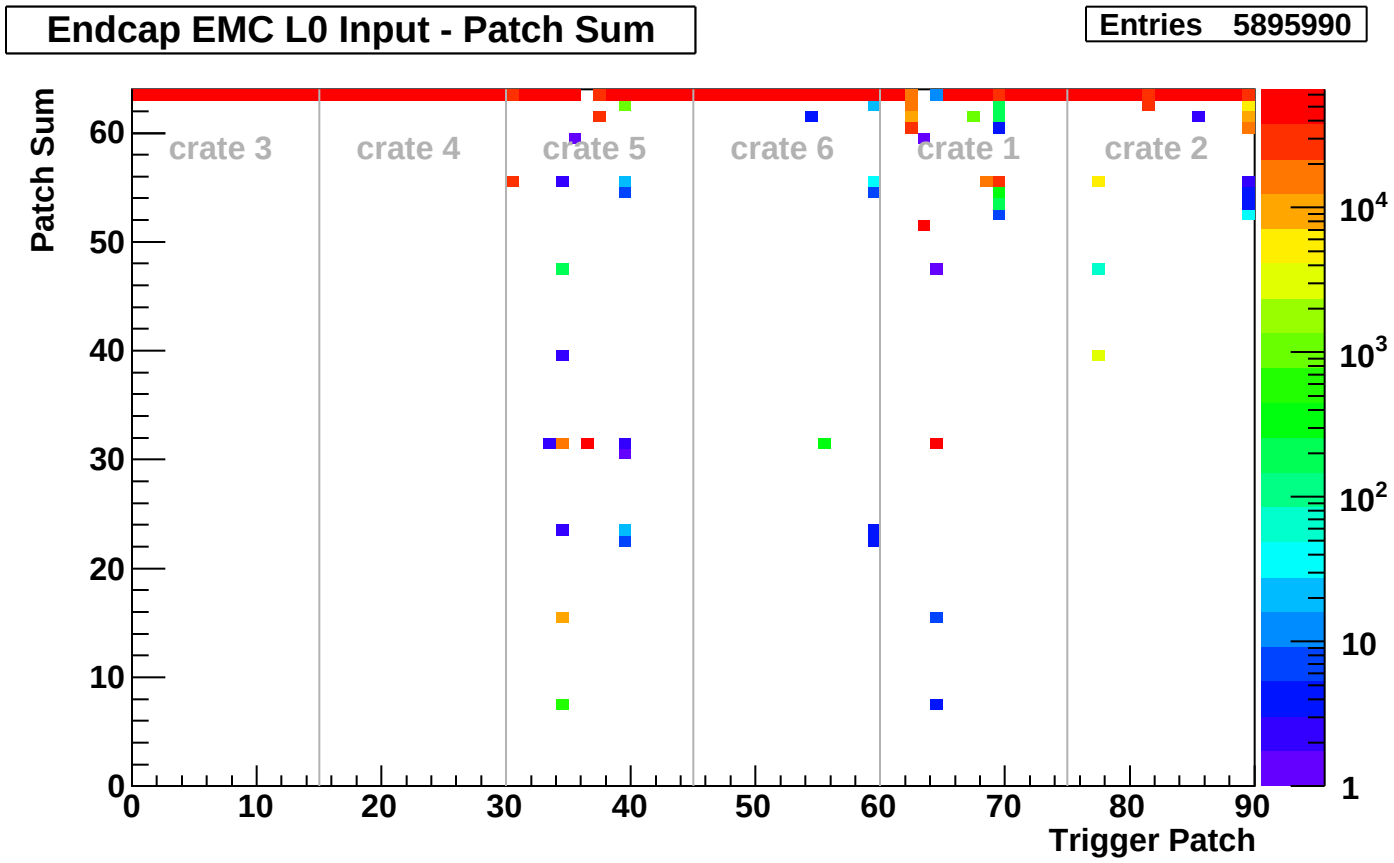

BunchId7Bit (JP1)
Entries 65511
10^3
10^2
10
1
0
20
40
60
80
100
120

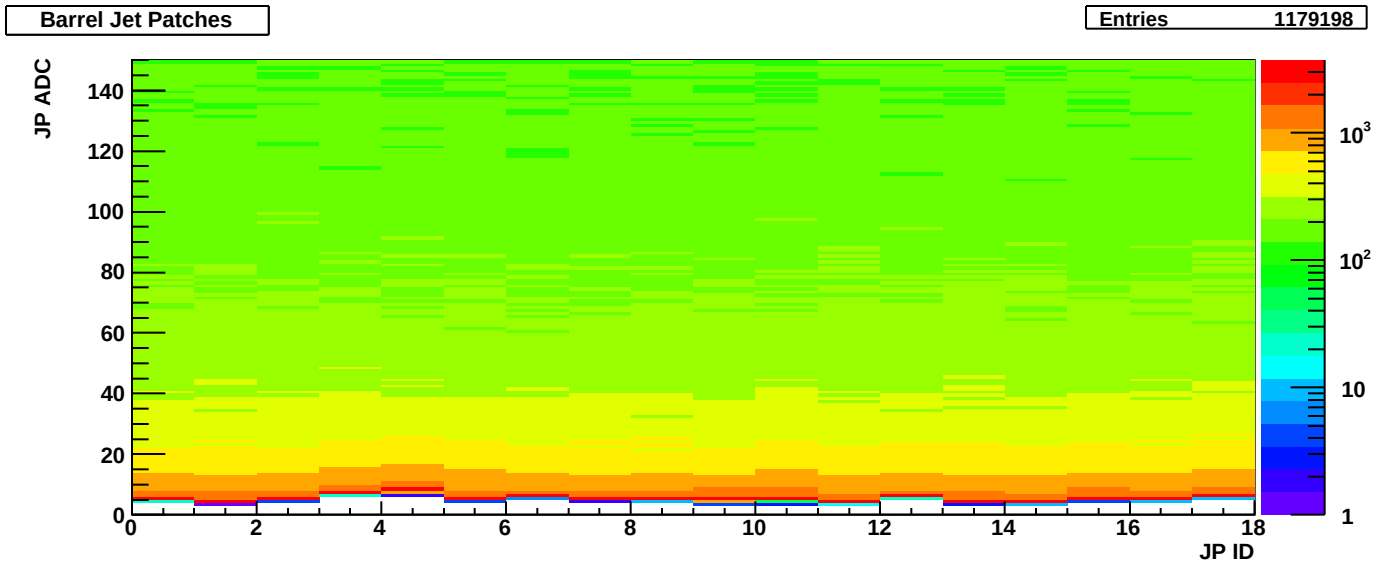

BunchId7Bit (JP2||AJP)
Entries 65511
10^3
10^2
10
1
0
20
40
60
80
100
120

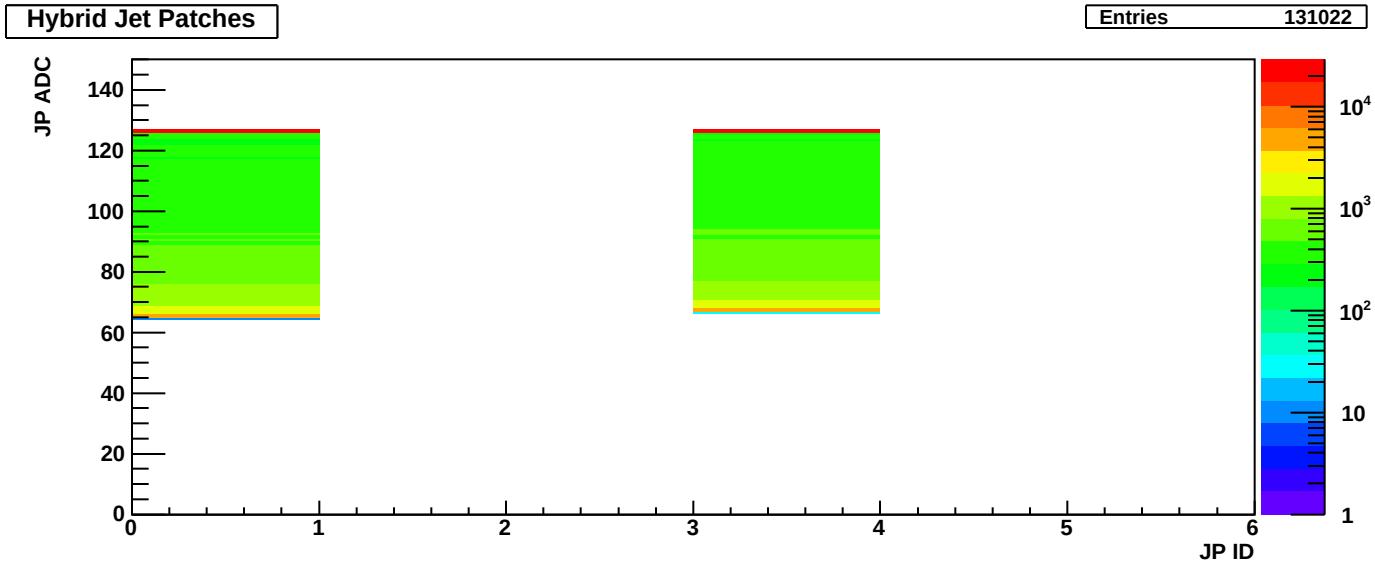

Barrel EMC L0 Input - High Tower
Entries 1.96533e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

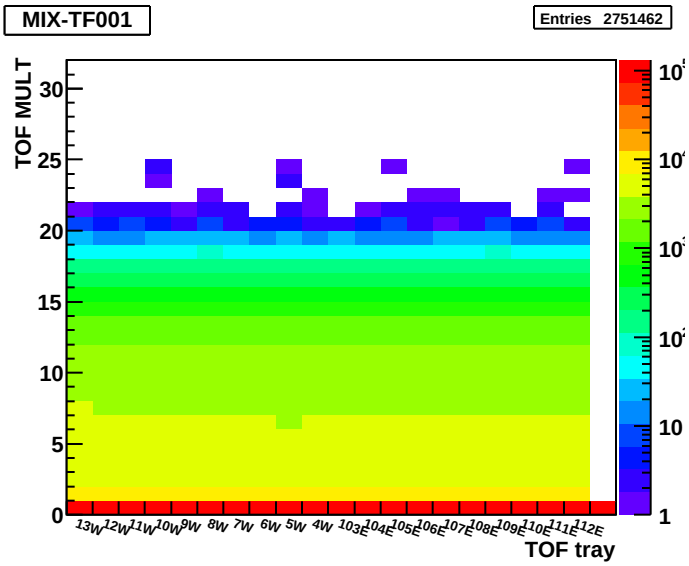

Barrel EMC L0 Input - Patch Sum
Entries 1.96533e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

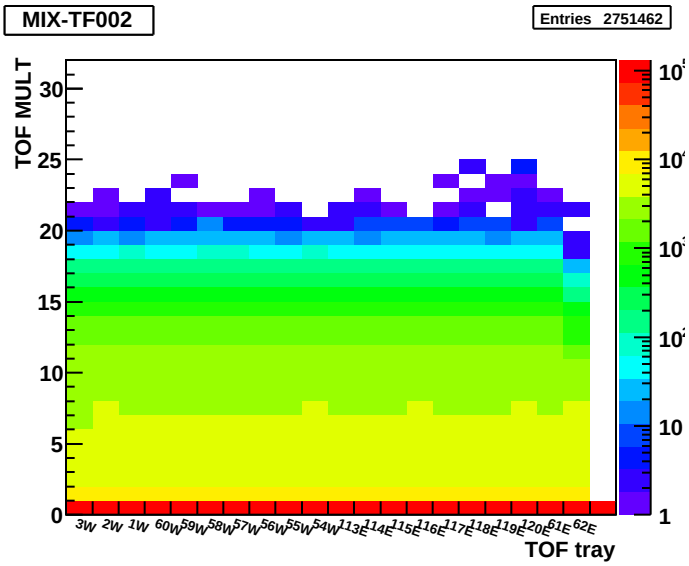

Endcap EMC L0 Input - High Tower
Entries 5895990
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

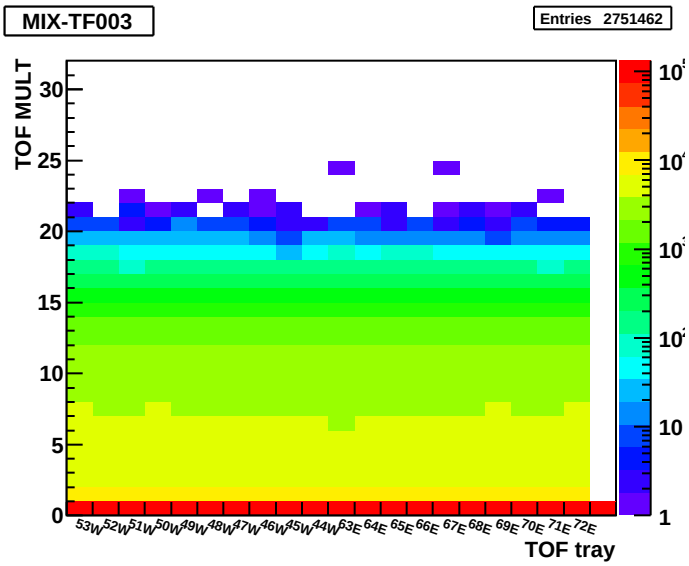

Endcap EMC L0 Input - Patch Sum
Entries 5895990
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

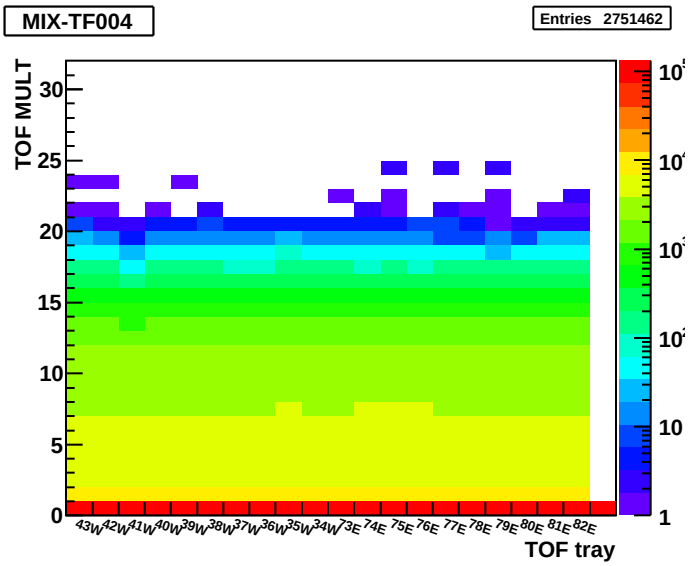

Barrel Jet Patches
Entries 1179198
JP ADC
JP ID

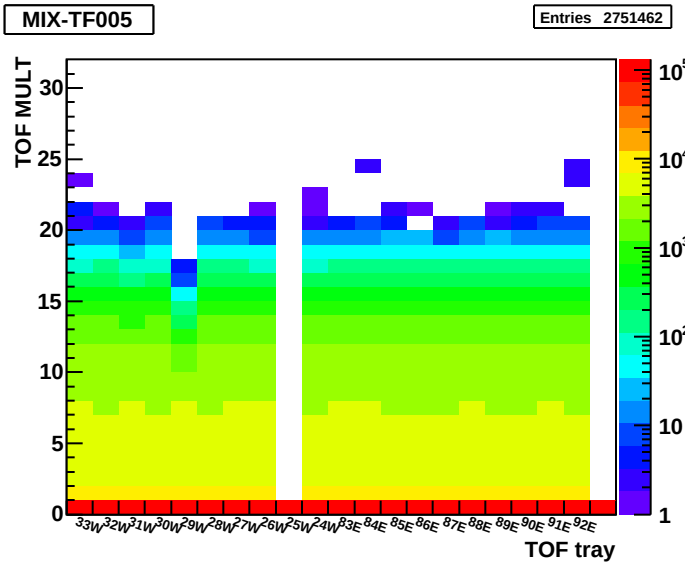

Hybrid Jet Patches
Entries 131022
JP ADC
JP ID

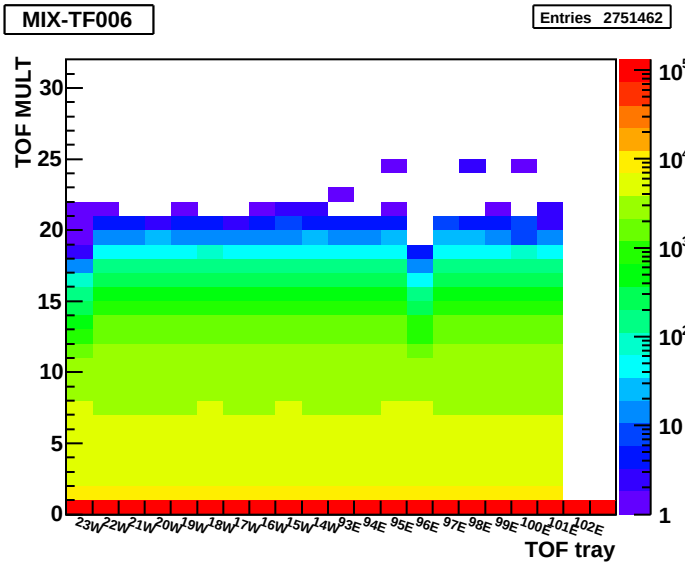

MIX-TF001
Entries 2751462
TOF MULT
TOF tray

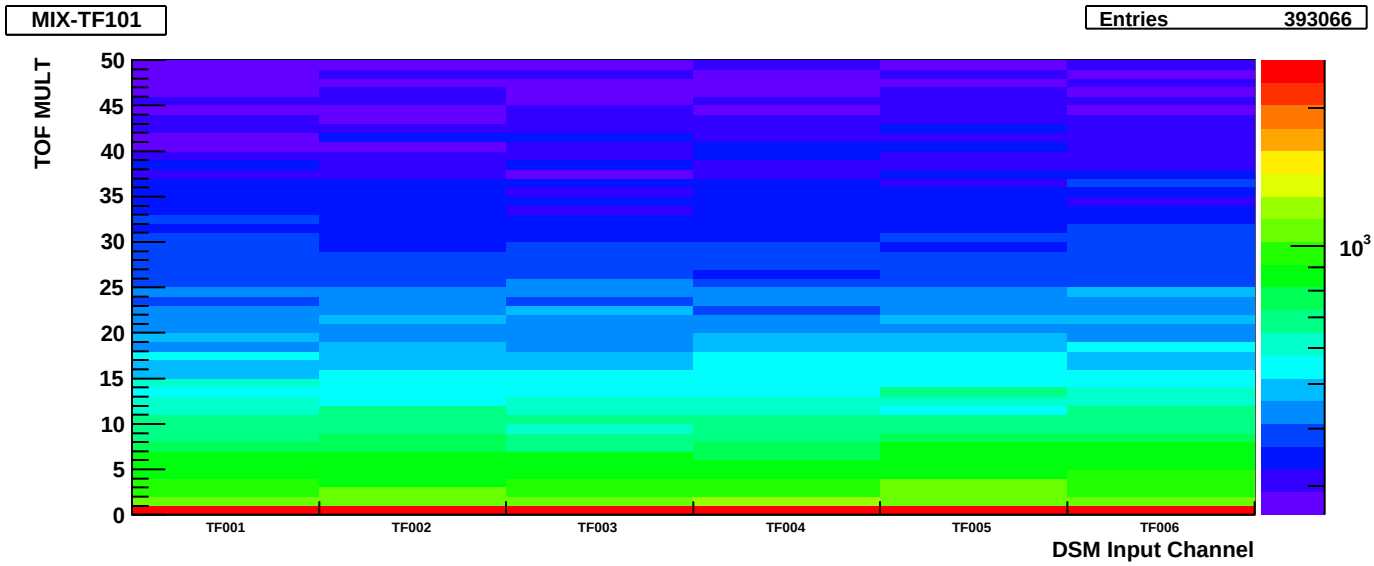

MIX-TF002
Entries 2751462
TOF MULT
TOF tray

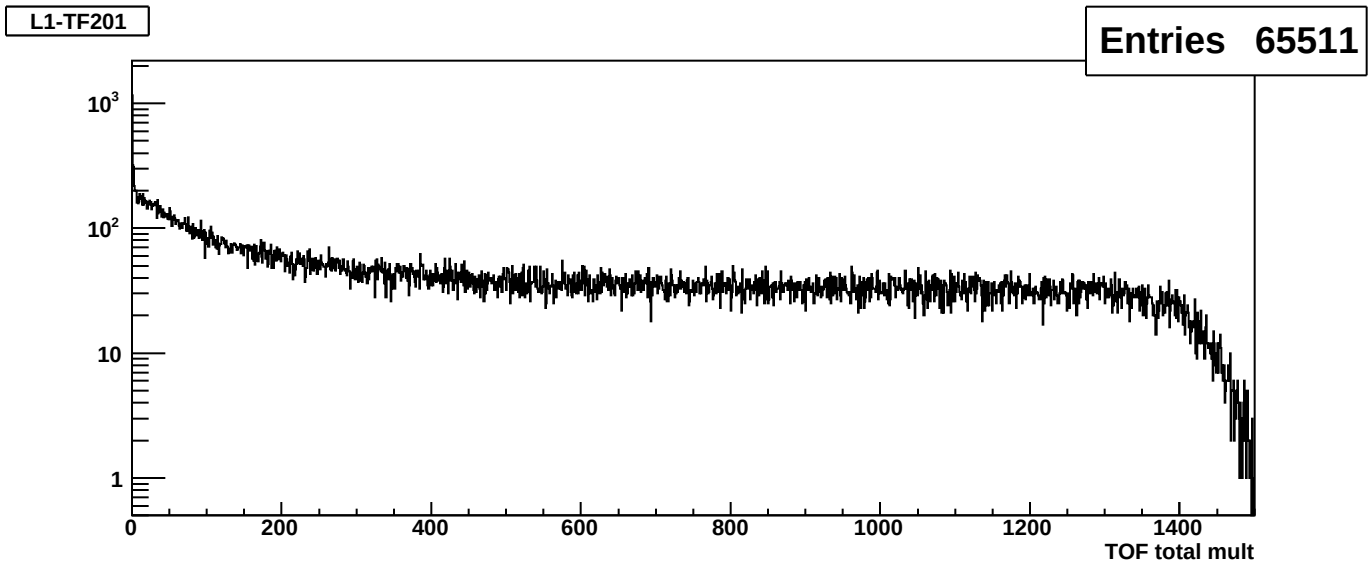

MIX-TF003
Entries 2751462
TOF MULT
TOF tray

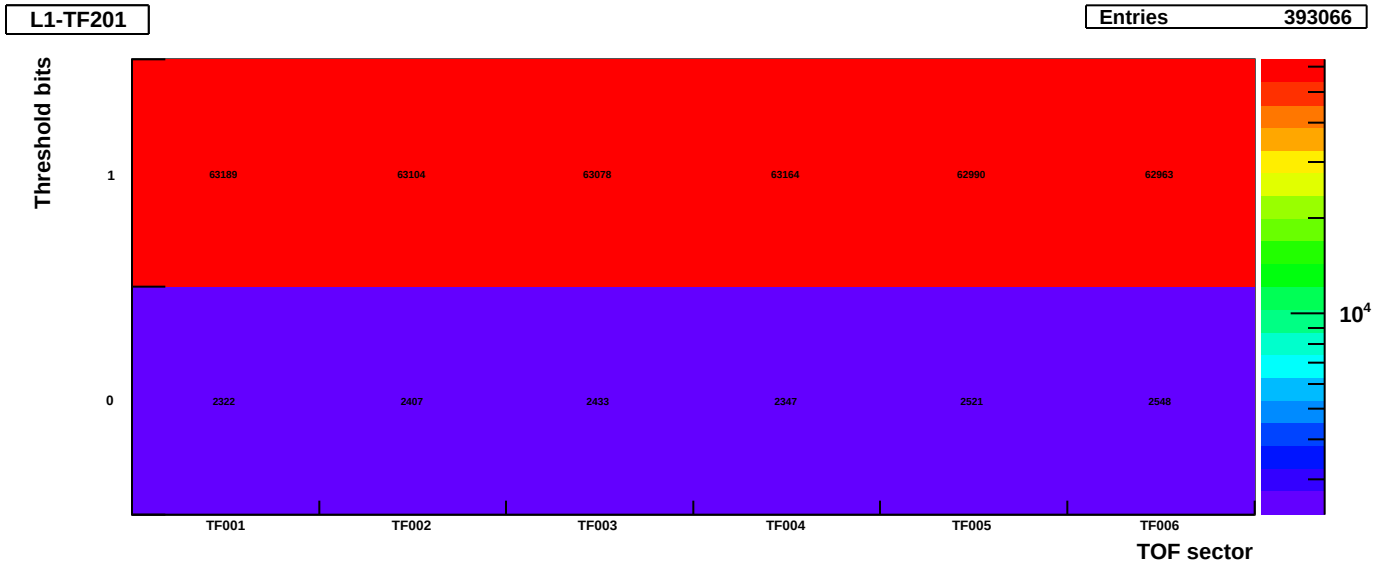

MIX-TF004
Entries 2751462
TOF MULT
TOF tray

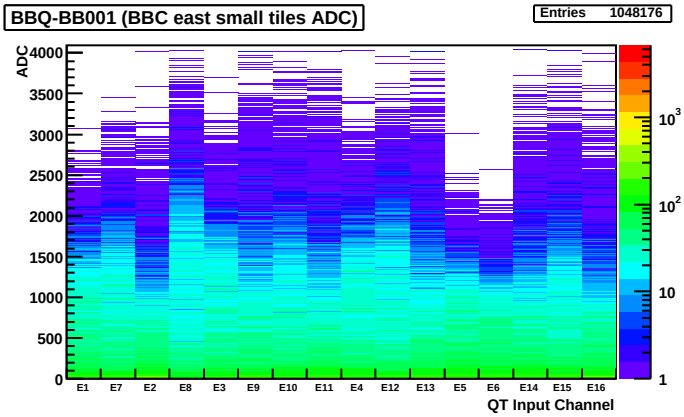

MIX-TF005
Entries 2751462
TOF MULT
TOF tray

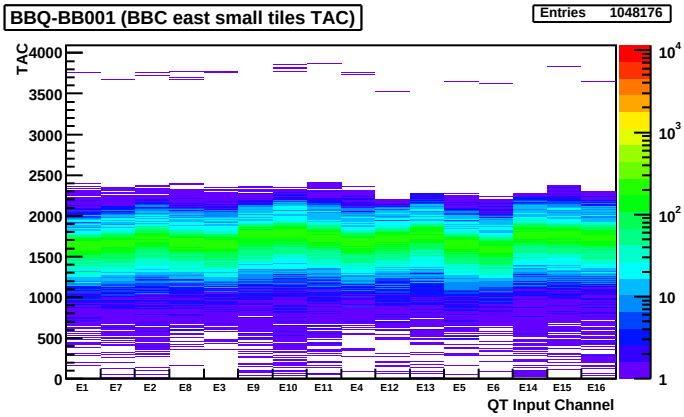

MIX-TF006
Entries 2751462
TOF MULT
TOF tray

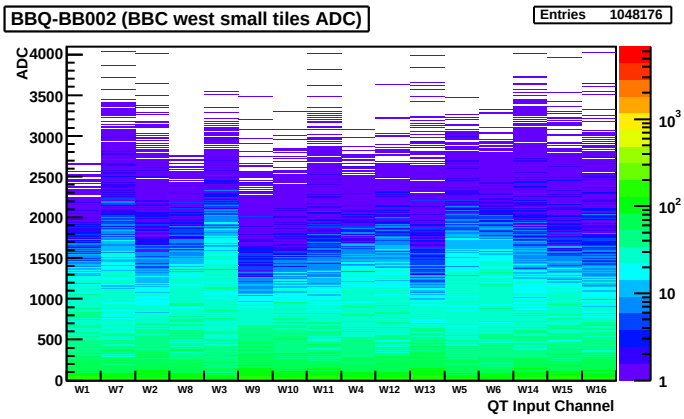

MIX-TF101
Entries 393066
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

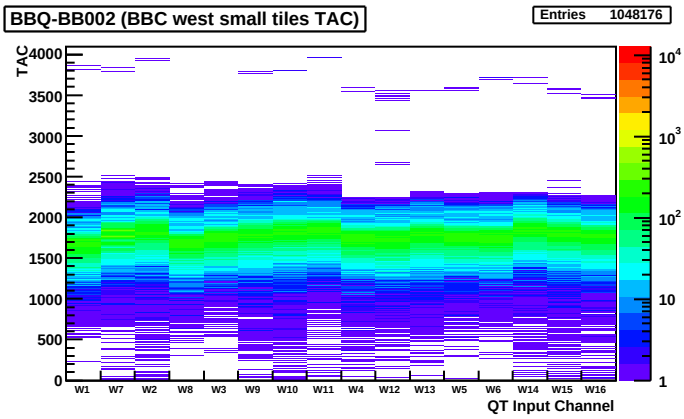

L1-TF201
Entries 65511
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

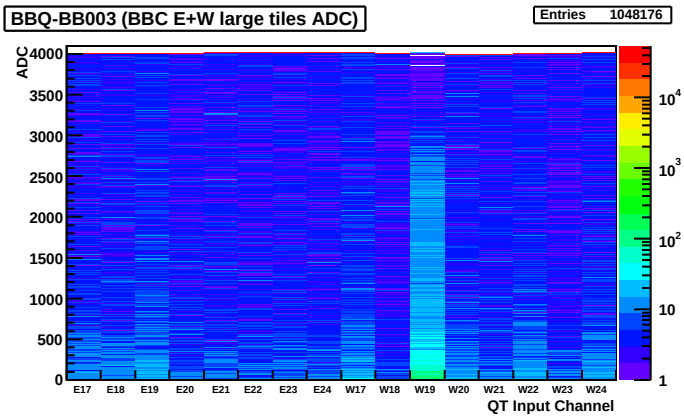

L1-TF201
Entries 393066
Threshold bits
1
0
63189
63104
63078
63164
62990
62963
2322
2407
2433
2347
2521
2548
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

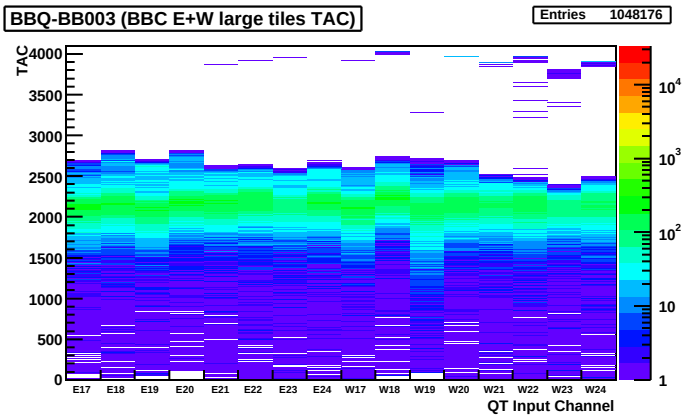

BBQ-BB001 (BBC east small tiles ADC)
Entries 1048176
ADC
QT Input Channel

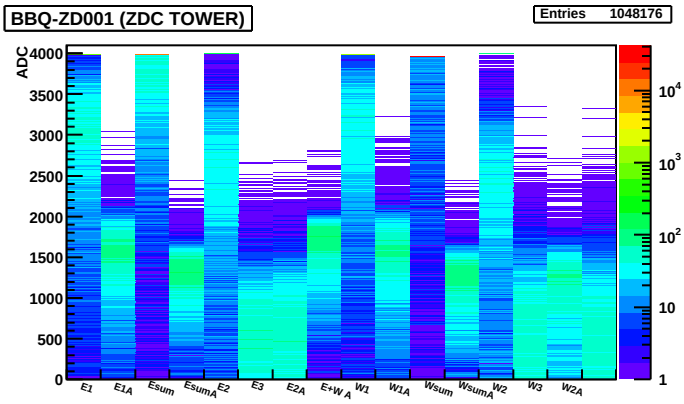

BBQ-BB001 (BBC east small tiles TAC)
Entries 1048176
TAC
QT Input Channel

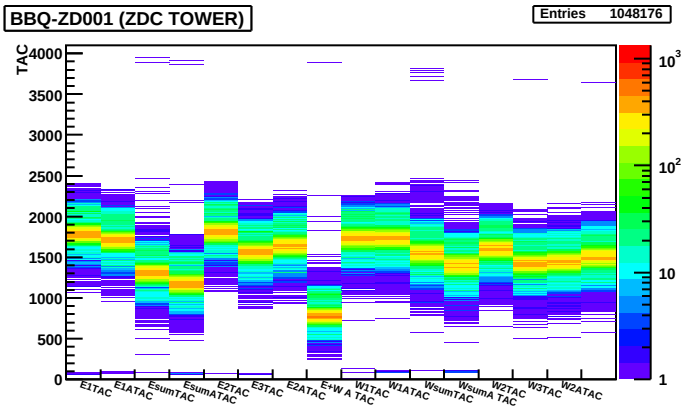

BBQ-BB002 (BBC west small tiles ADC)
Entries 1048176
ADC
QT Input Channel

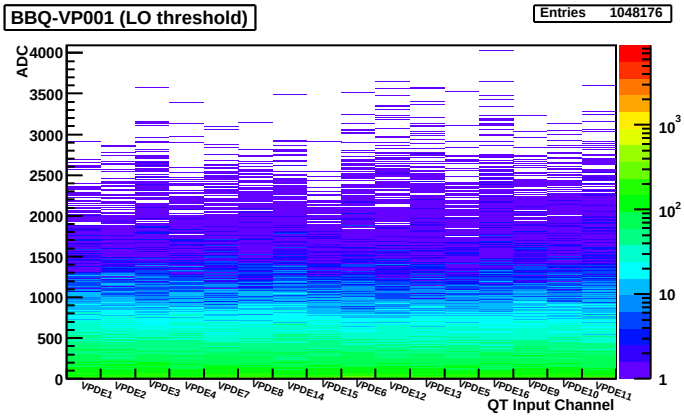

BBQ-BB002 (BBC west small tiles TAC)
Entries 1048176
TAC
QT Input Channel

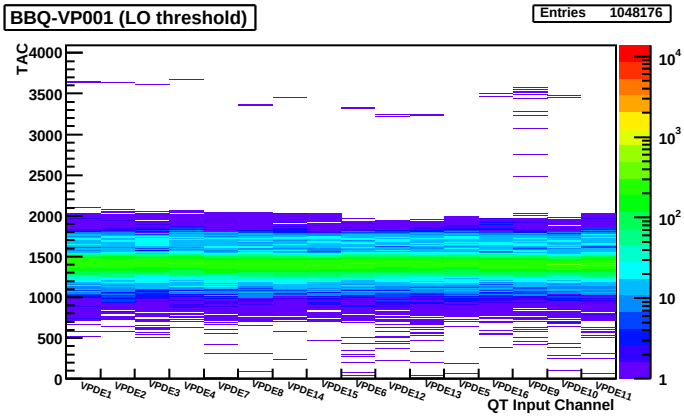

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1048176
ADC
QT Input Channel

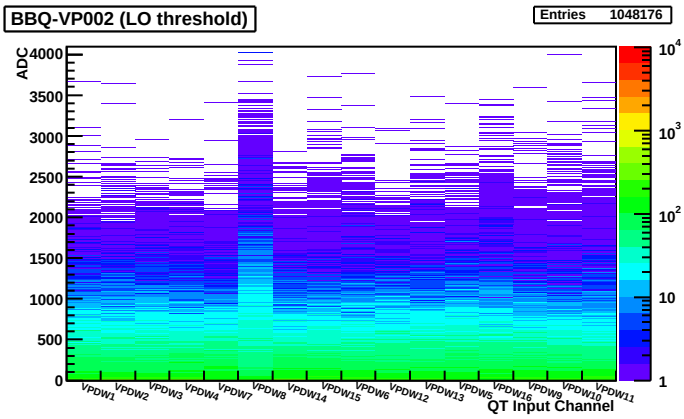

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1048176
TAC
QT Input Channel

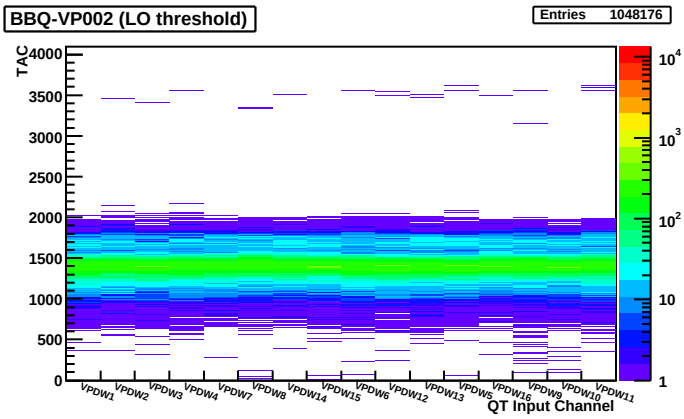

BBQ-ZD001 (ZDC TOWER)
Entries 1048176
ADC

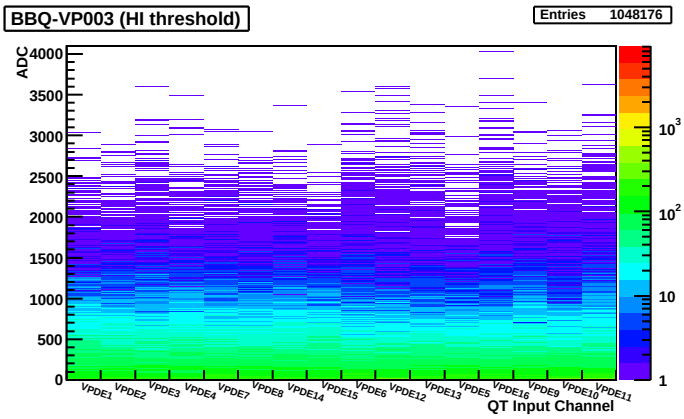

BBQ-ZD001 (ZDC TOWER)
Entries 1048176
TAC

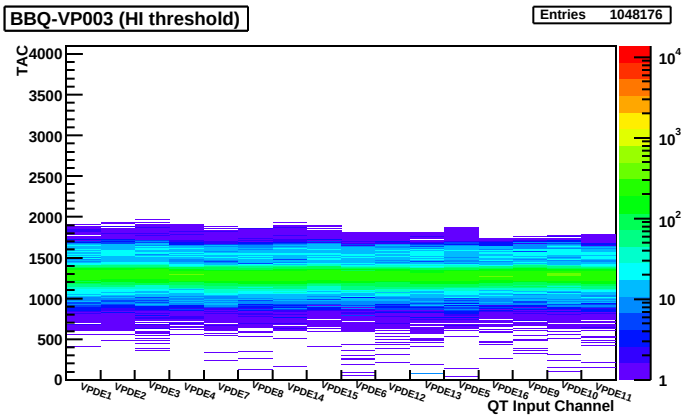

BBQ-VP001 (LO threshold)
Entries 1048176
ADC
QT Input Channel

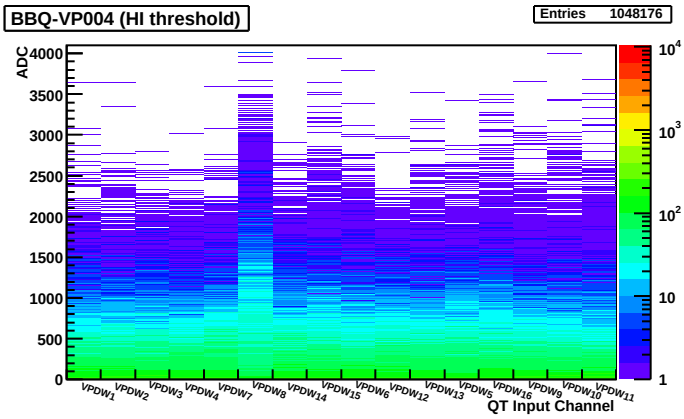

BBQ-VP001 (LO threshold)
Entries 1048176
TAC
QT Input Channel

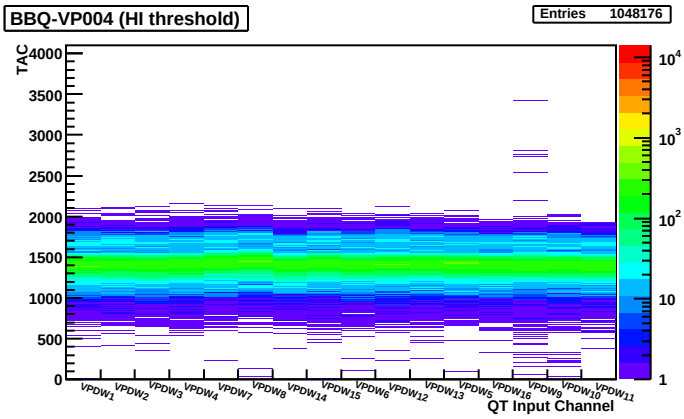

BBQ-VP002 (LO threshold)
Entries 1048176
ADC
QT Input Channel

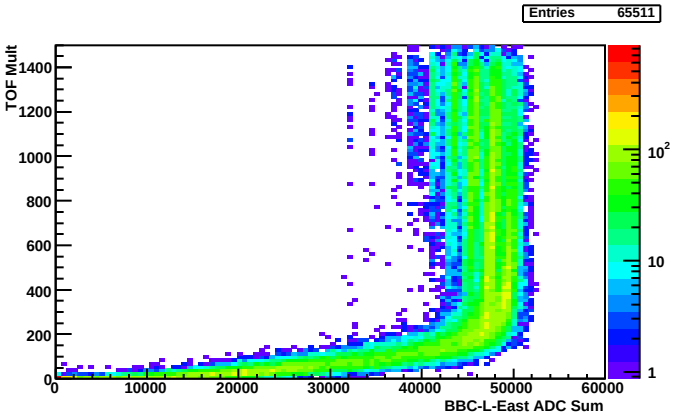

BBQ-VP002 (LO threshold)
Entries 1048176
TAC
QT Input Channel

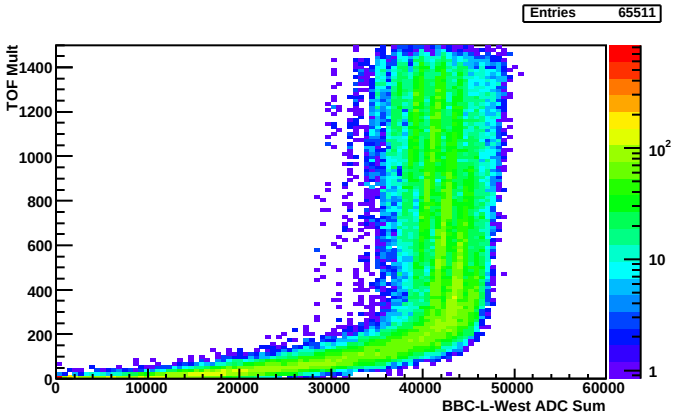

BBQ-VP003 (HI threshold)
Entries 1048176
ADC
QT Input Channel

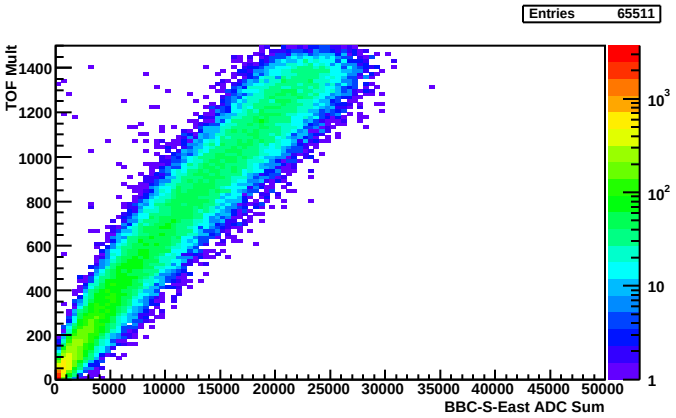

BBQ-VP003 (HI threshold)
Entries 1048176
TAC
QT Input Channel

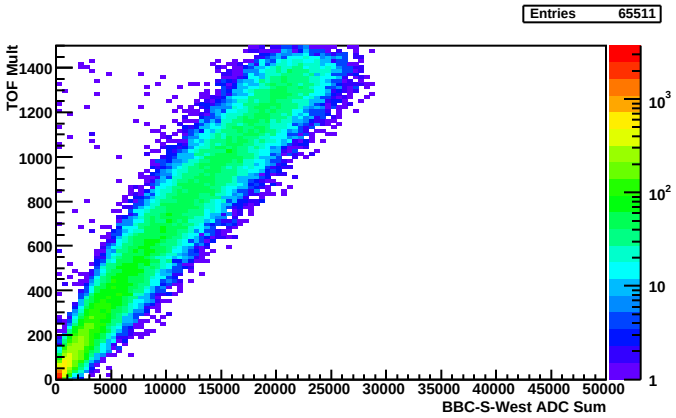

BBQ-VP004 (HI threshold)
Entries 1048176
ADC
QT Input Channel

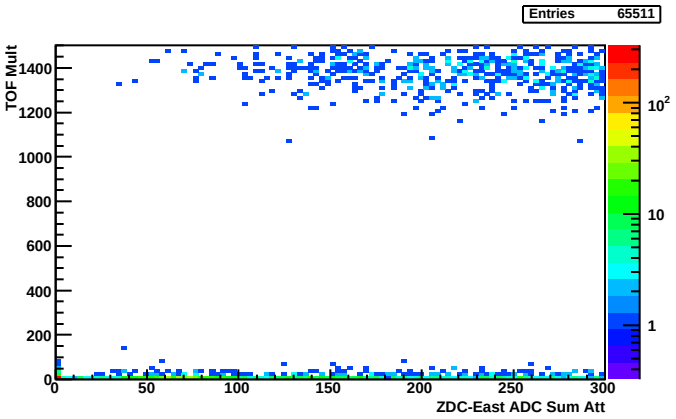

BBQ-VP004 (HI threshold)
Entries 1048176
TAC
QT Input Channel

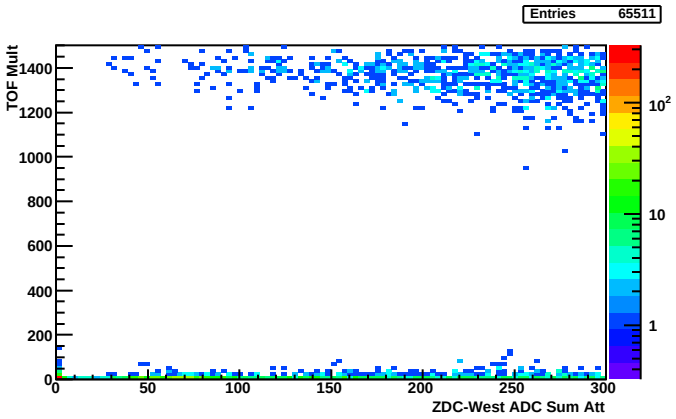

Entries 65511
TOF Mult
BBC-L-East ADC Sum

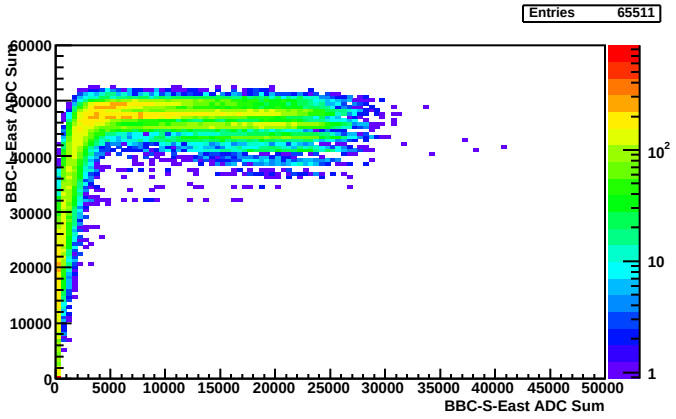

Entries 65511
TOF Mult
BBC-L-West ADC Sum

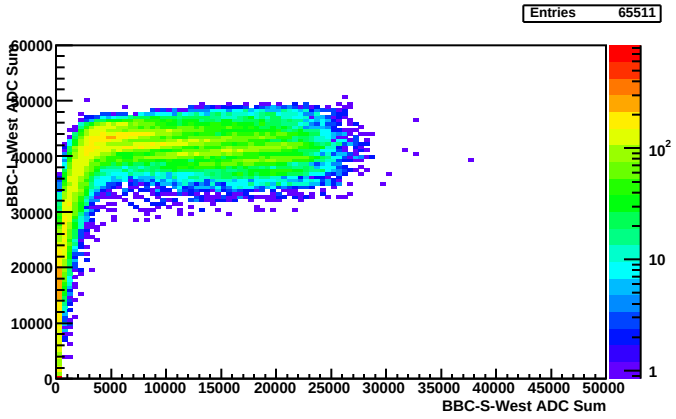

Entries 65511
TOF Mult
BBC-S-East ADC Sum

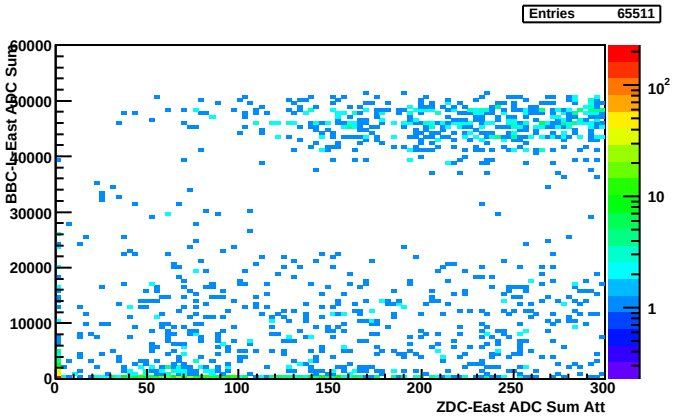

Entries 65511
TOF Mult
BBC-S-West ADC Sum

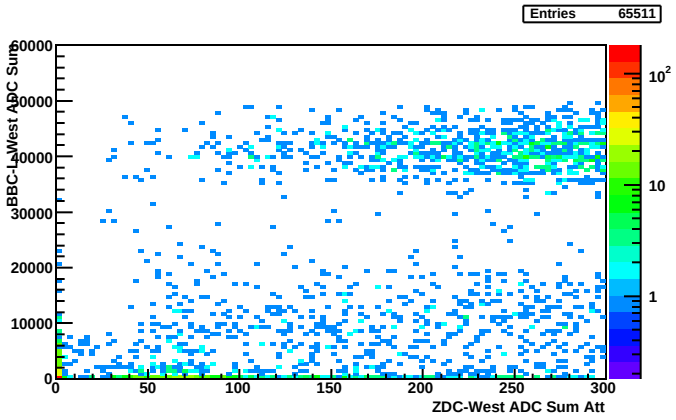

Entries 65511
TOF Mult
ZDC-East ADC Sum Att

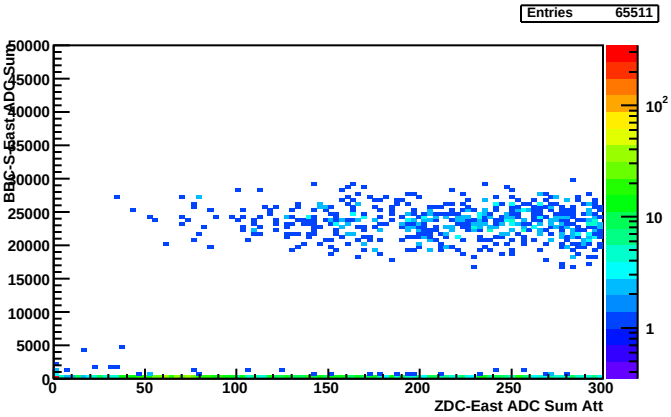

Entries 65511
TOF Mult
ZDC-West ADC Sum Att

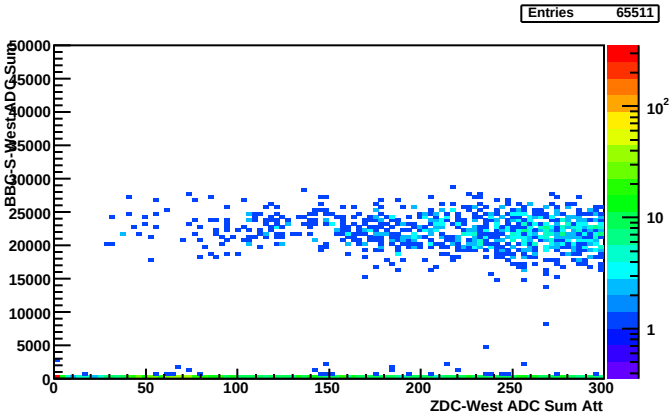

Entries 65511
BBC-L-East ADC Sum
BBC-S-East ADC Sum

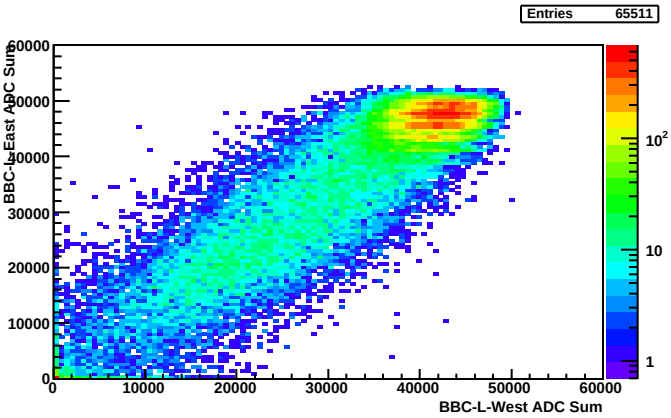

Entries 65511
BBC-L-West ADC Sum
BBC-S-West ADC Sum

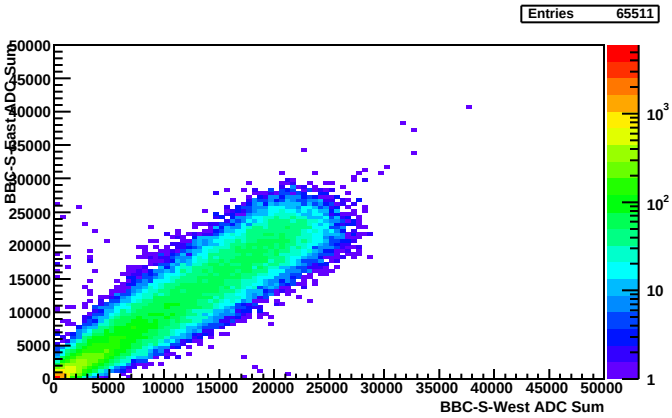

Entries 65511
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

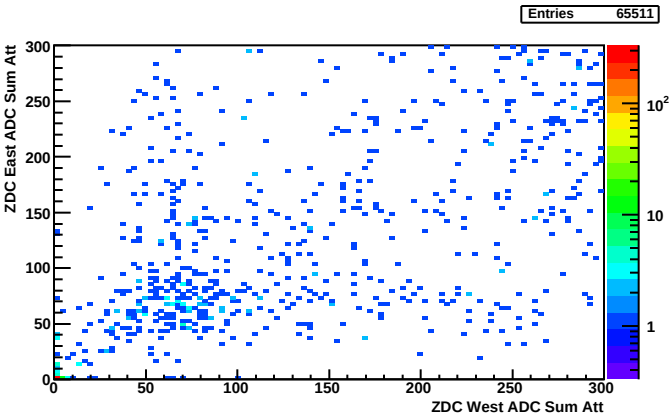

Entries 65511
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

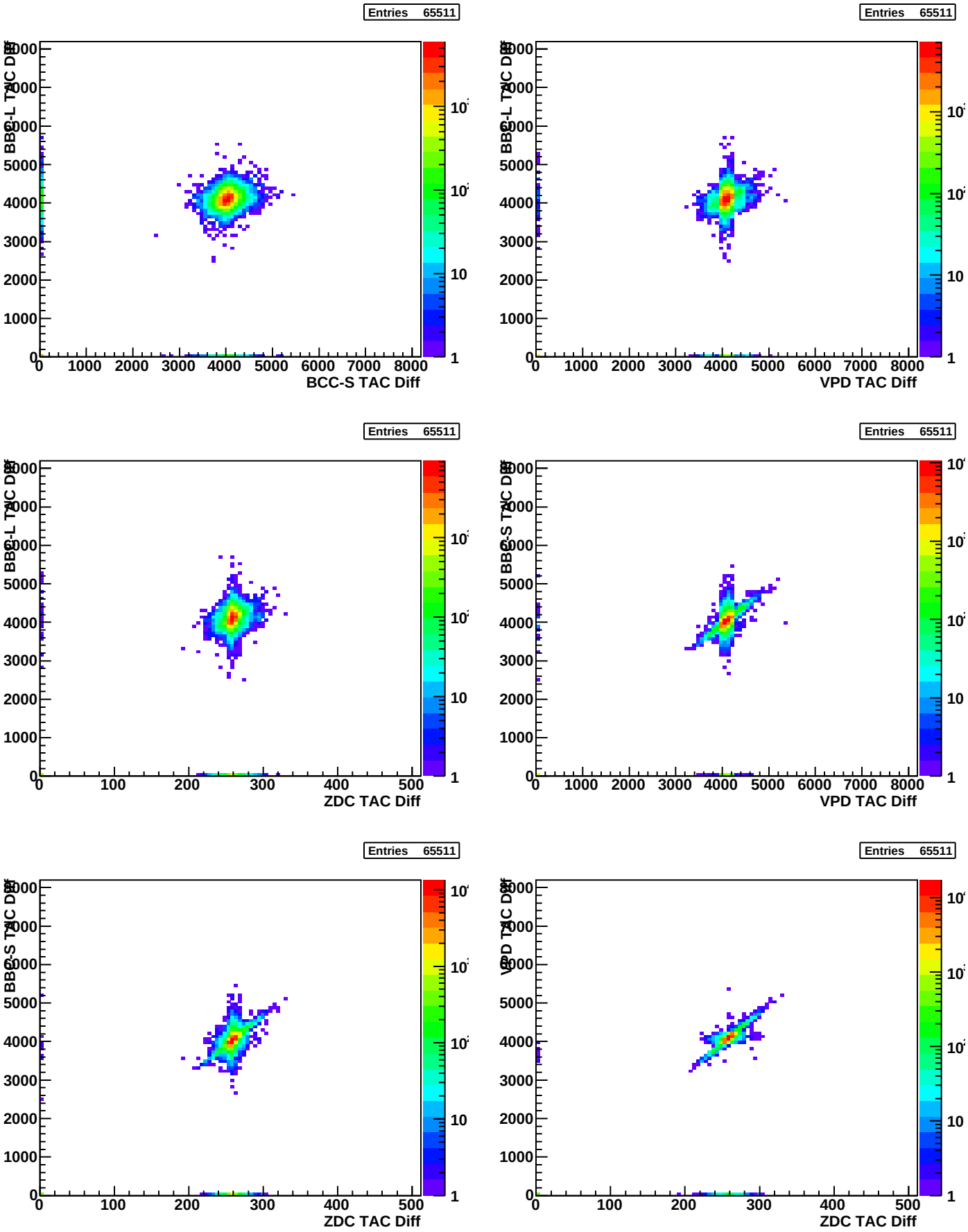

Entries 65511
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

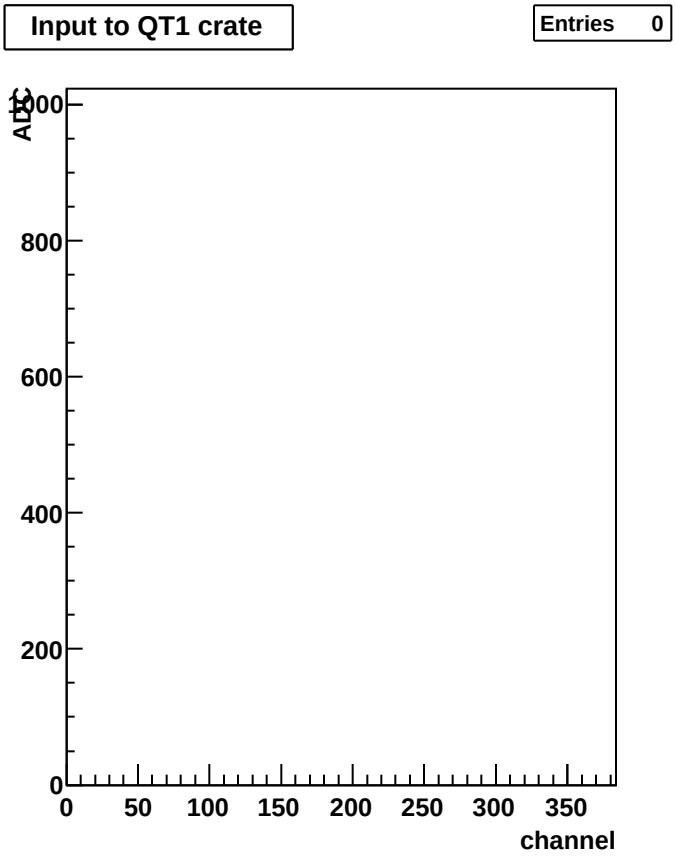

Entries 65511
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

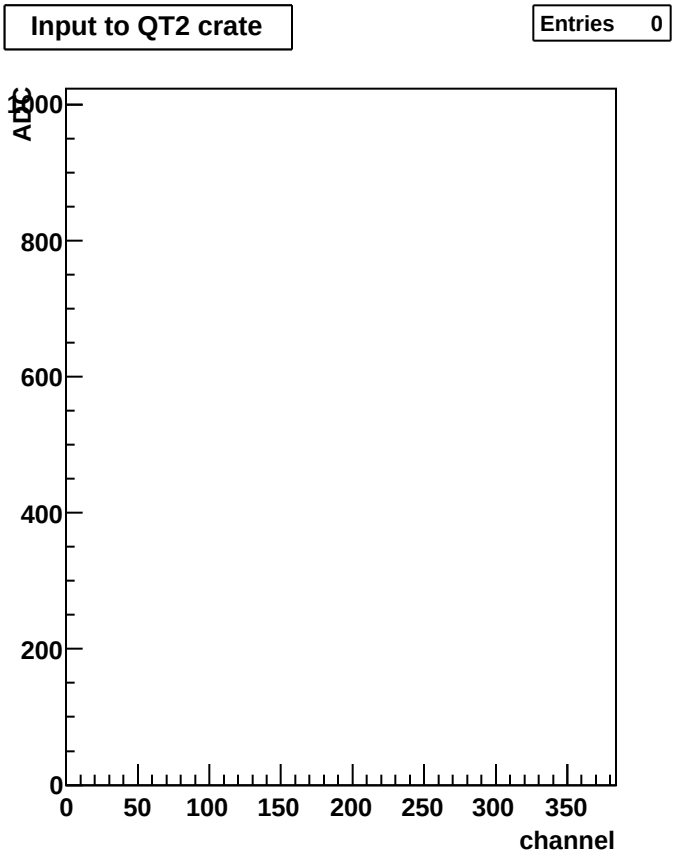

Entries 65511
BBC-L-East ADC Sum
BBC-L-West ADC Sum

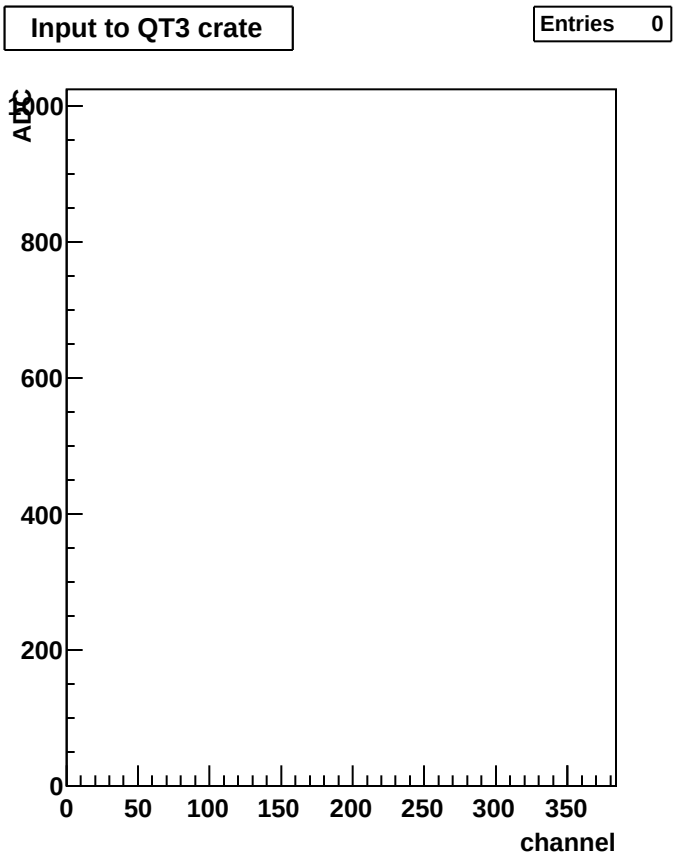

Entries 65511
BBC-S-East ADC Sum
BBC-S-West ADC Sum

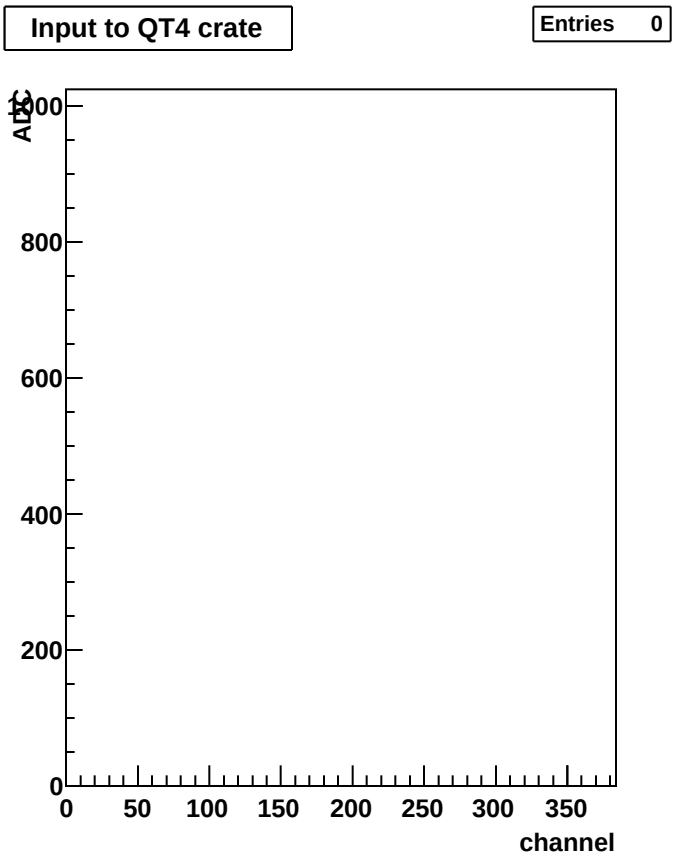

Entries 65511
ZDC East ADC Sum Att
ZDC West ADC Sum Att

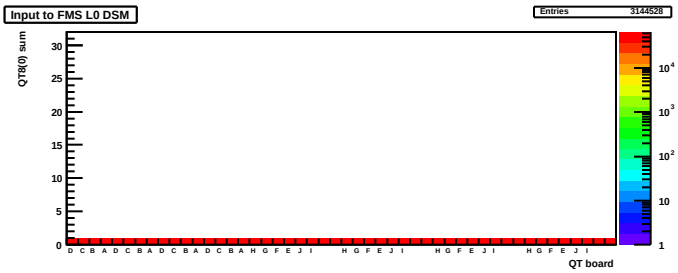

Entries 65511
BBC-L TAC Diff
BCC-S TAC Diff
Entries 65511
BBC-L TAC Diff
VPD TAC Diff
Entries 65511
BBC-L TAC Diff
ZDC TAC Diff
Entries 65511
BBC-S TAC Diff
VPD TAC Diff
Entries 65511
BBC-S TAC Diff
ZDC TAC Diff
Entries 65511
VPD TAC Diff
ZDC TAC Diff

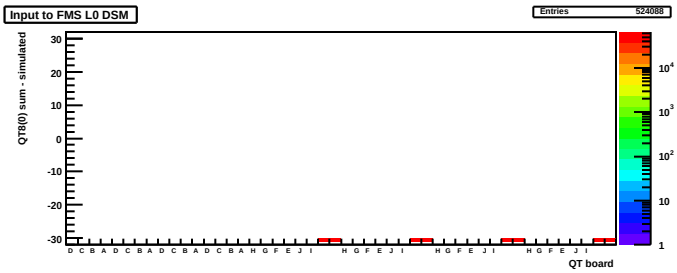

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

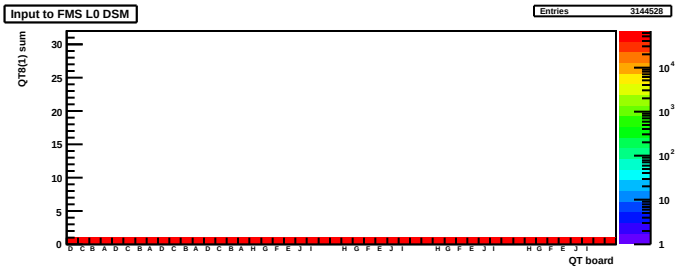

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

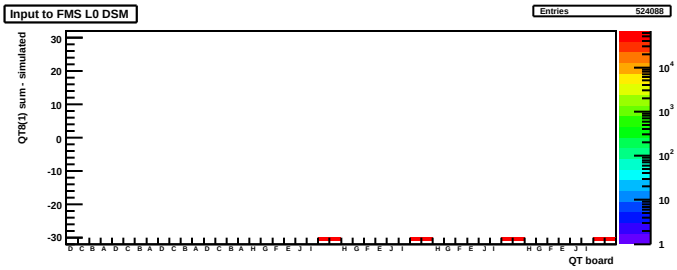

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

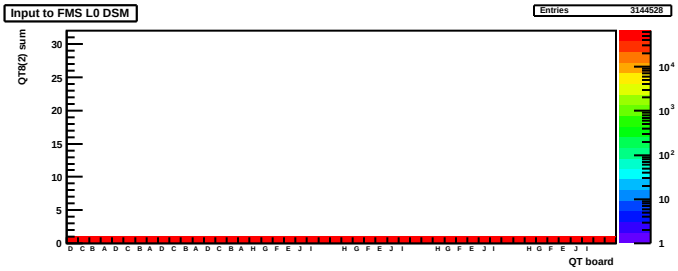

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

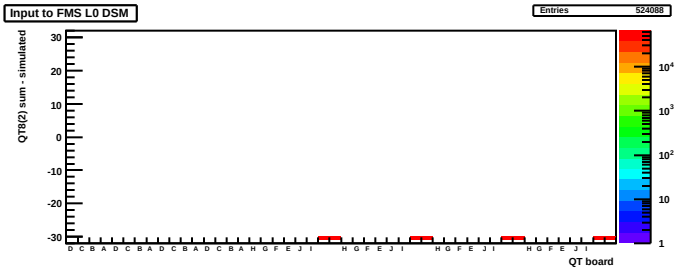

Input to FMS L0 DSM
Entries 3144528
QT8(0) sum
QT board

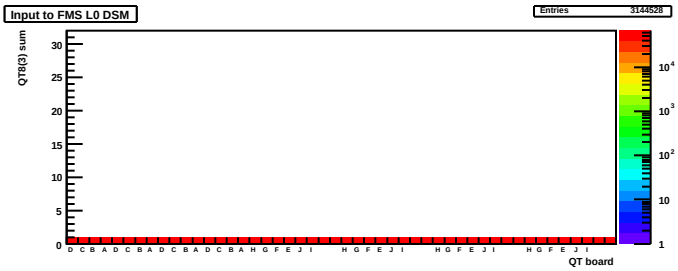

Input to FMS L0 DSM
Entries 524088
QT8(0) sum - simulated
QT board

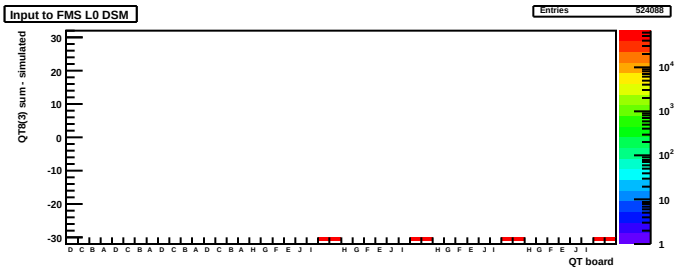

Input to FMS L0 DSM
Entries 3144528
QT8(1) sum
QT board

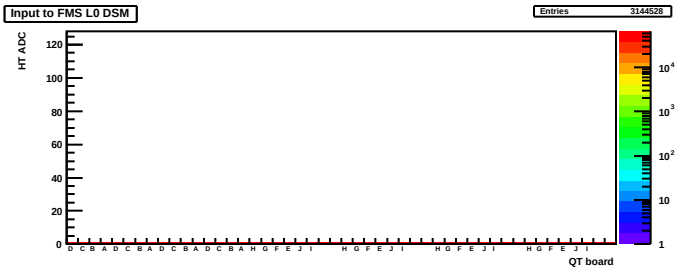

Input to FMS L0 DSM
Entries 524088
QT8(1) sum - simulated
QT board

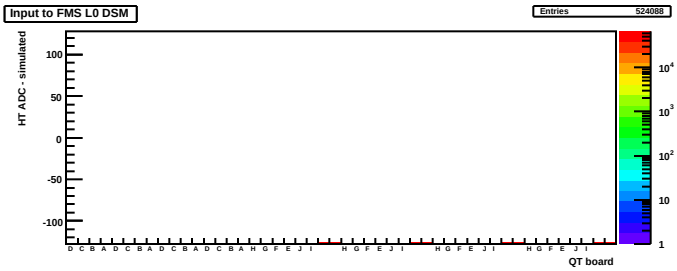

Input to FMS L0 DSM
Entries 3144528
QT8(2) sum
QT board

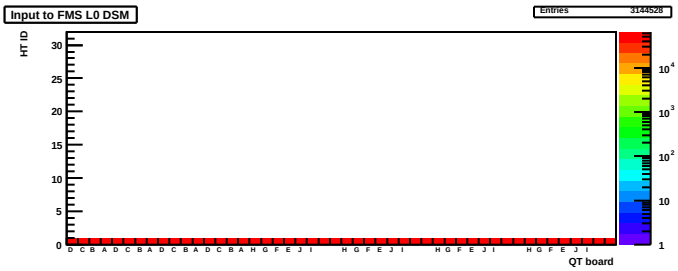

Input to FMS L0 DSM
Entries 524088
QT8(2) sum - simulated
QT board

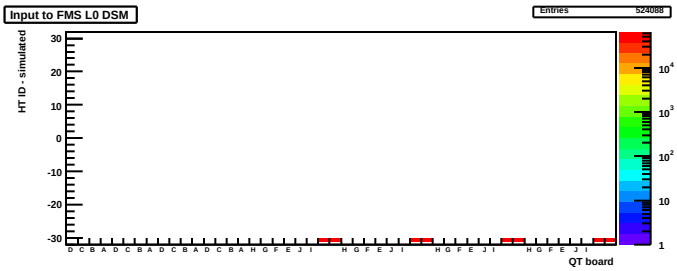

Input to FMS L0 DSM
Entries 3144528
QT8(3) sum
QT board

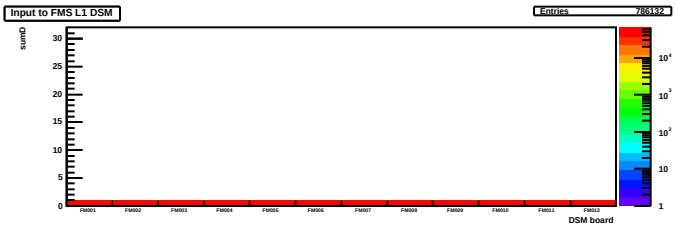

Input to FMS L0 DSM
Entries 524088
QT8(3) sum - simulated
QT board

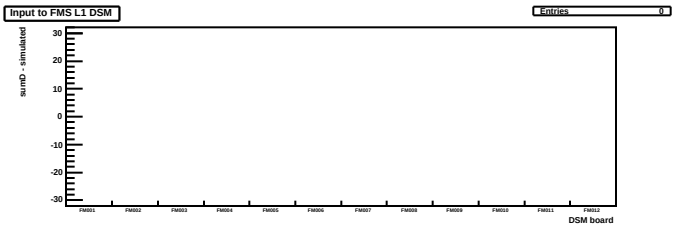

Input to FMS L0 DSM
Entries 3144528
HT ADC
QT board

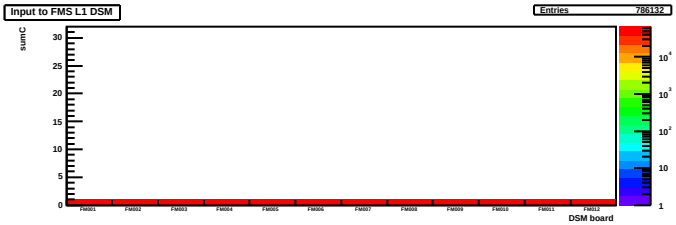

Input to FMS L0 DSM
Entries 524088
HT ADC - simulated
QT board

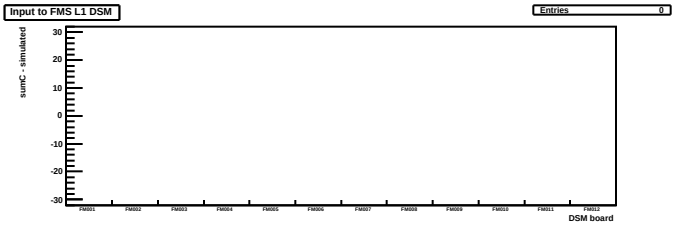

Input to FMS L0 DSM
Entries 3144528
HT ID
QT board

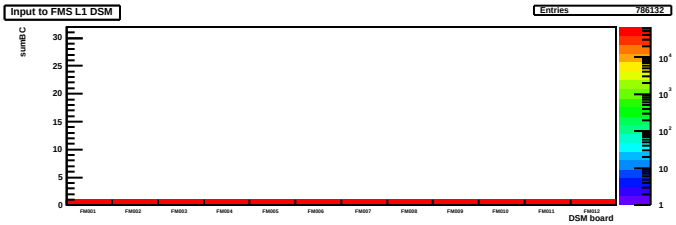

Input to FMS L0 DSM
Entries 524088
HT ID - simulated
QT board

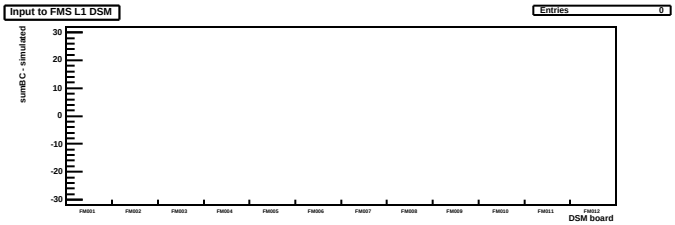

Input to FMS L1 DSM
Entries 786132
sumD
DSM board

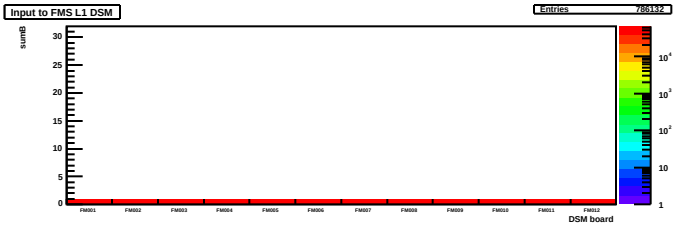

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

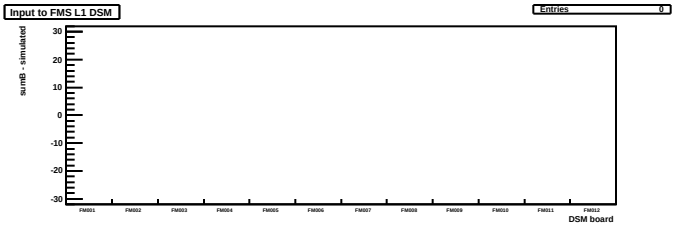

Input to FMS L1 DSM
Entries 786132
sumC
DSM board

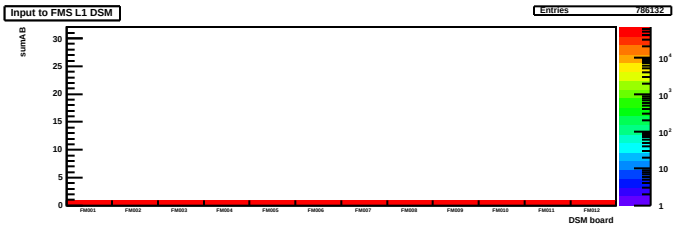

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

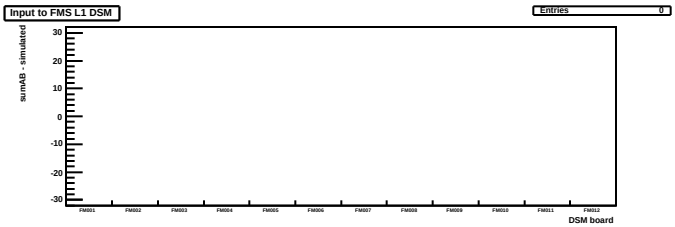

Input to FMS L1 DSM
Entries 786132
sumBC
DSM board

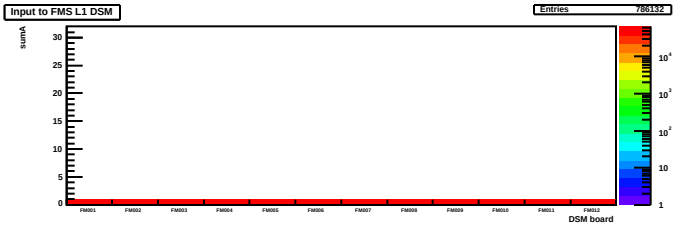

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

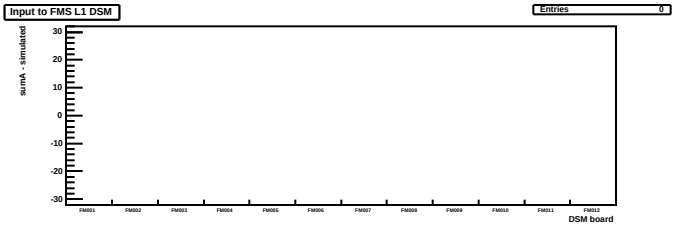

Input to FMS L1 DSM
Entries 786132
sumB
DSM board

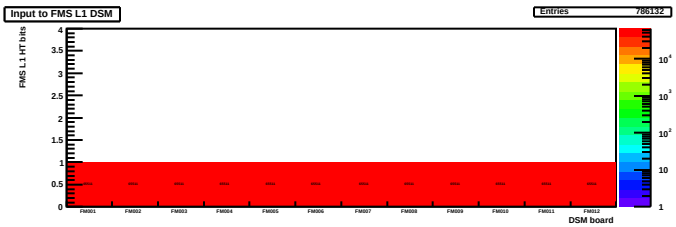

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

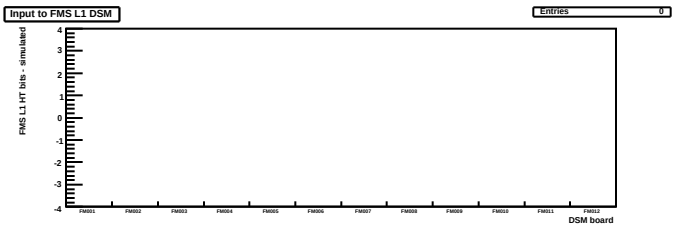

Input to FMS L1 DSM
Entries 786132
sumAB
DSM board

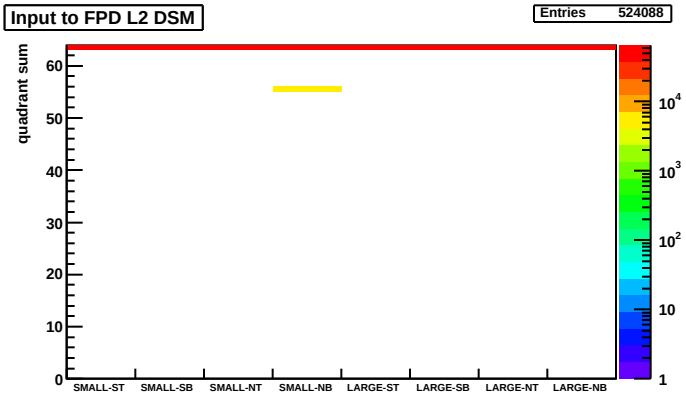

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

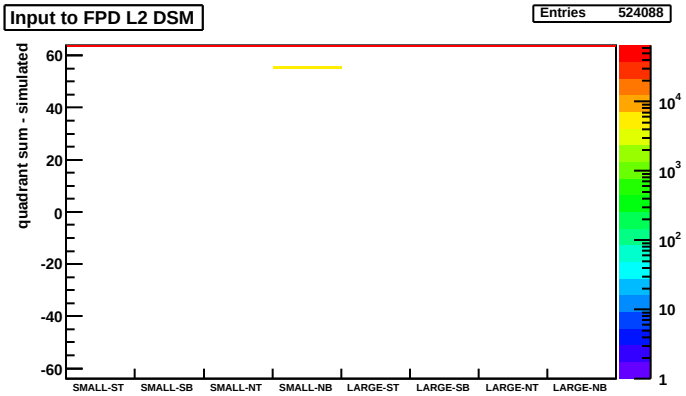

Input to FMS L1 DSM
Entries 786132
sumA
DSM board

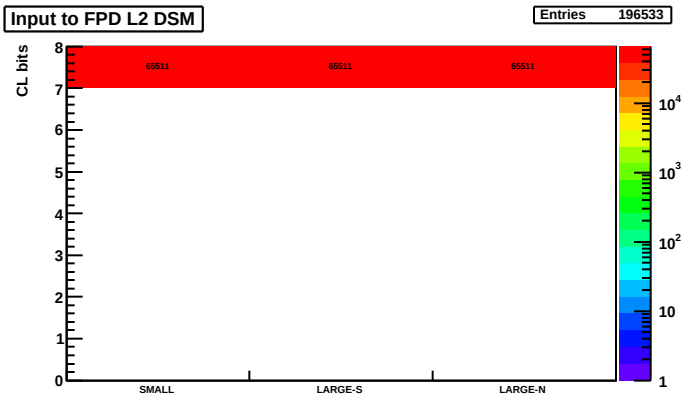

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

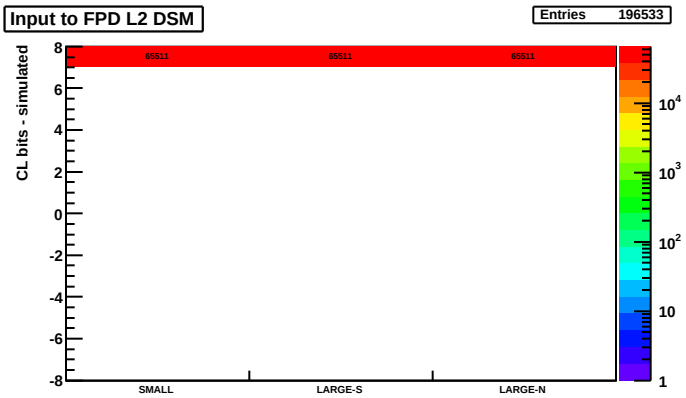

Input to FMS L1 DSM
Entries 786132
FMS L1 HT bits
DSM board

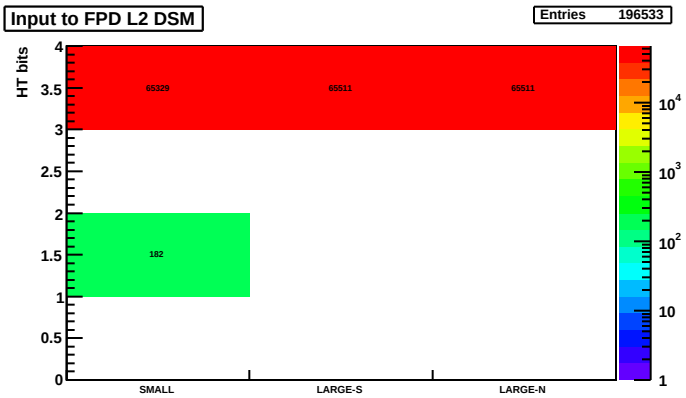

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

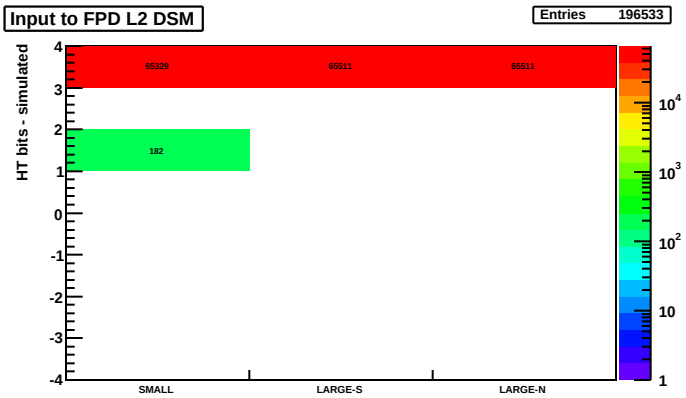

Input to FPD L2 DSM
Entries 524088
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

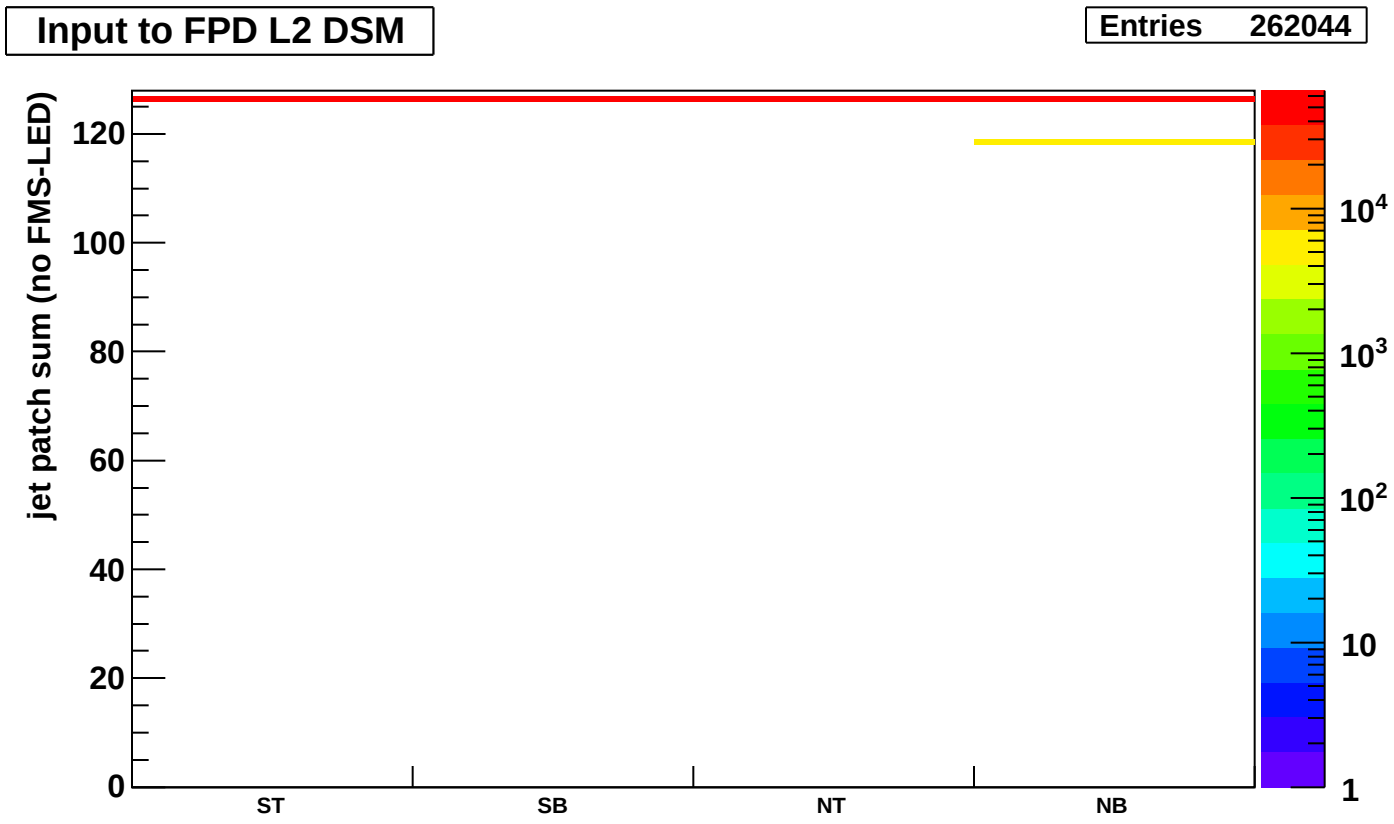

Input to FPD L2 DSM
Entries 524088
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

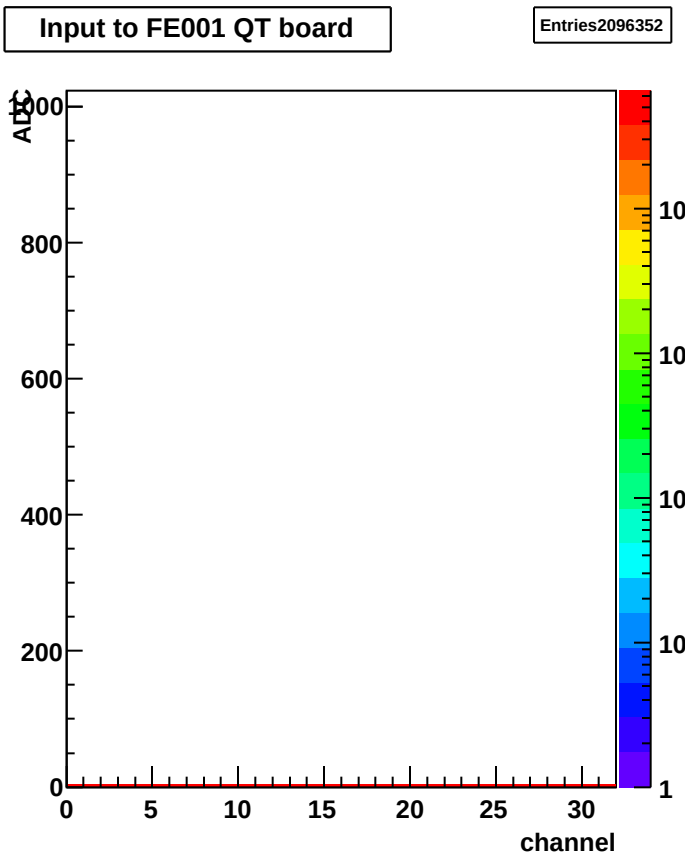

Input to FPD L2 DSM
Entries 196533
CL bits
65511
65511
65511
SMALL
LARGE-S
LARGE-N

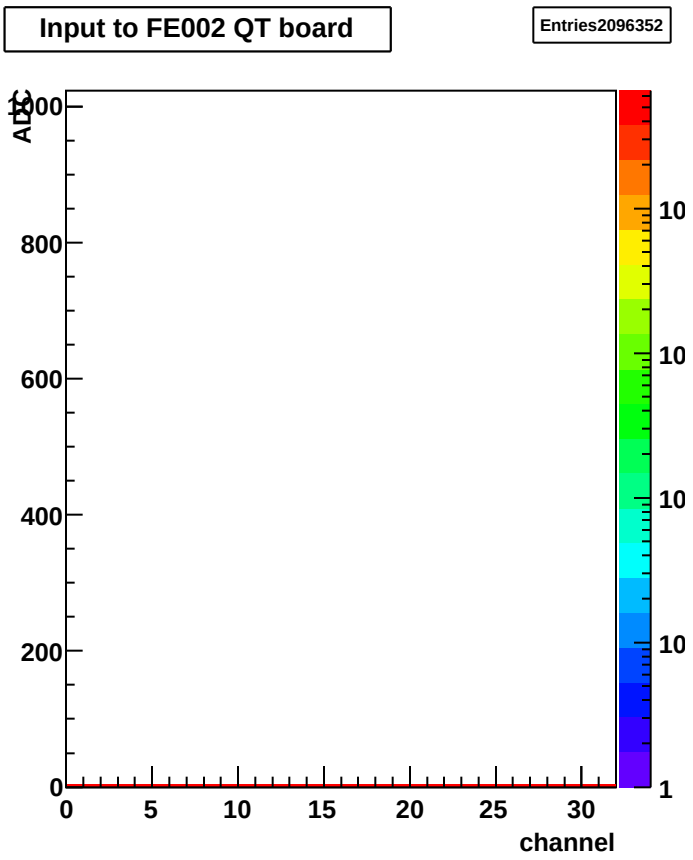

Input to FPD L2 DSM
Entries 196533
CL bits - simulated
65511
65511
65511
SMALL
LARGE-S
LARGE-N

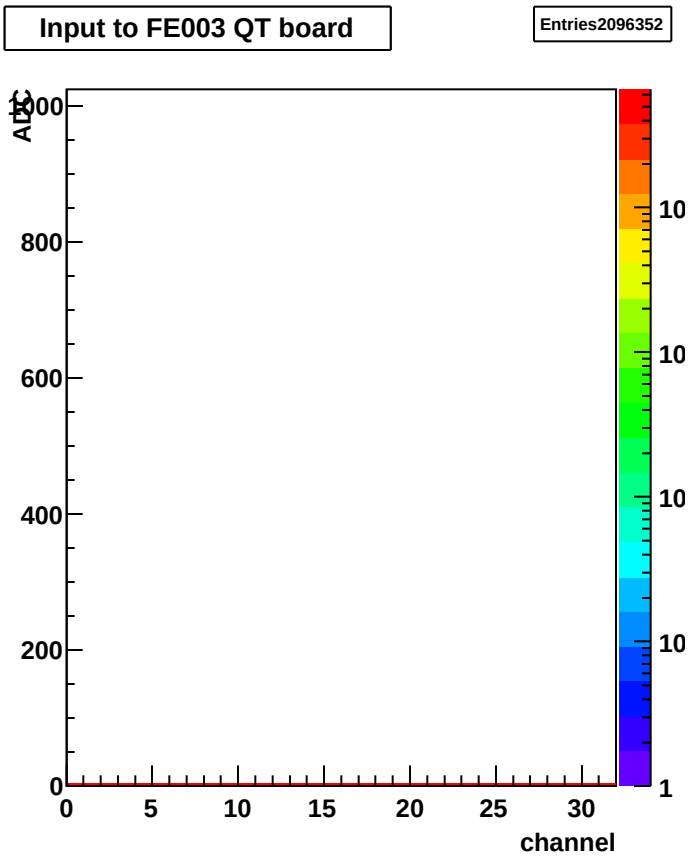

Input to FPD L2 DSM
Entries 196533
HT bits
65329
65511
65511
182
SMALL
LARGE-S
LARGE-N

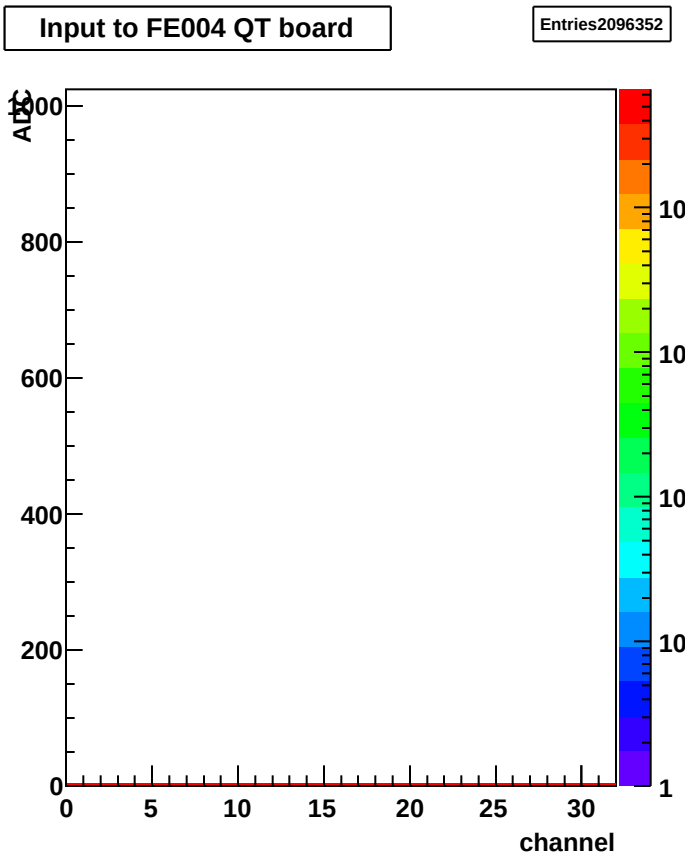

Input to FPD L2 DSM
Entries 196533
HT bits - simulated
65329
65511
65511
182
SMALL
LARGE-S
LARGE-N

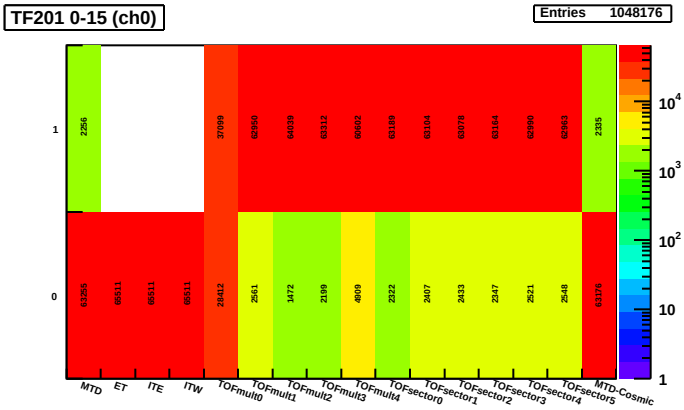

Input to FPD L2 DSM
Entries 262044
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

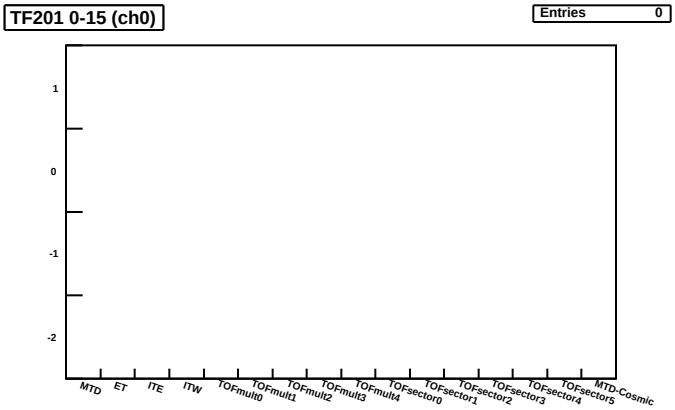

Input to FE001 QT board
Entries2096352
ADC
channel

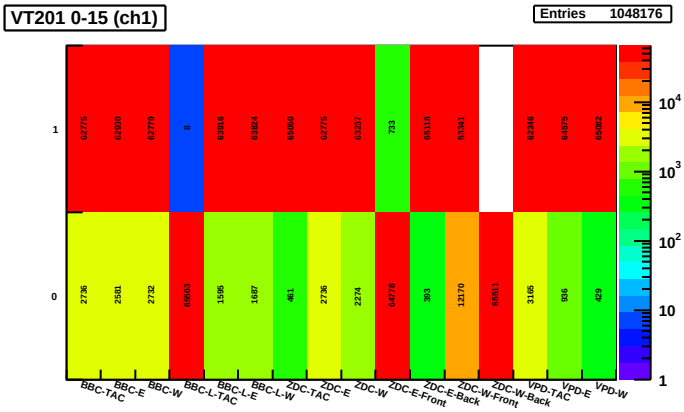

Input to FE002 QT board
Entries2096352
ADC
channel

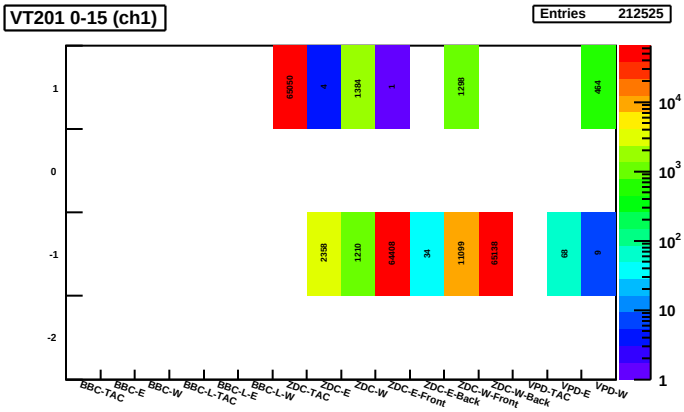

Input to FE003 QT board
Entries2096352
ADC
channel

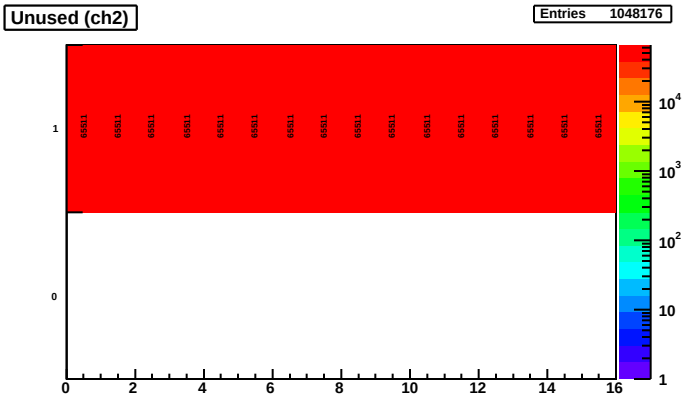

Input to FE004 QT board
Entries2096352
ADC
channel

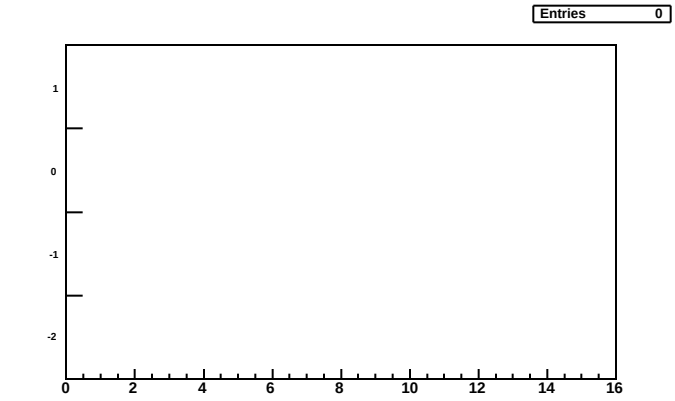

TF201 0-15 (ch0)
Entries 1048176
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

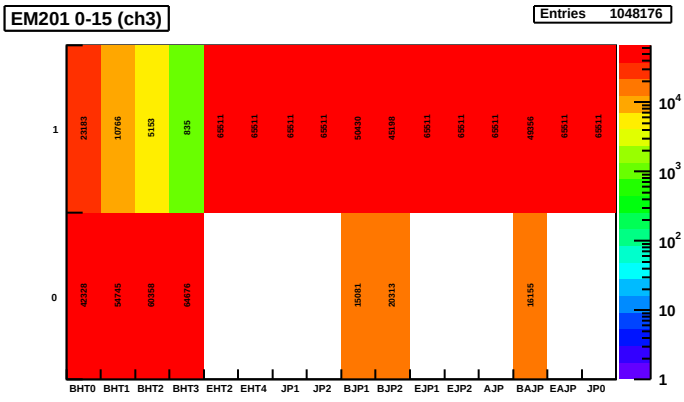

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

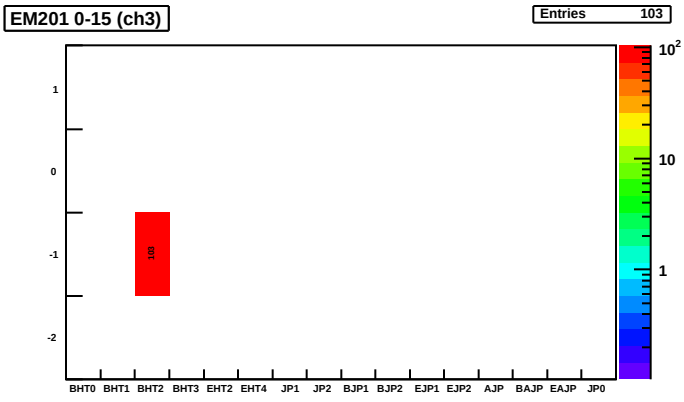

VT201 0-15 (ch1)
Entries 1048176
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 212525
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

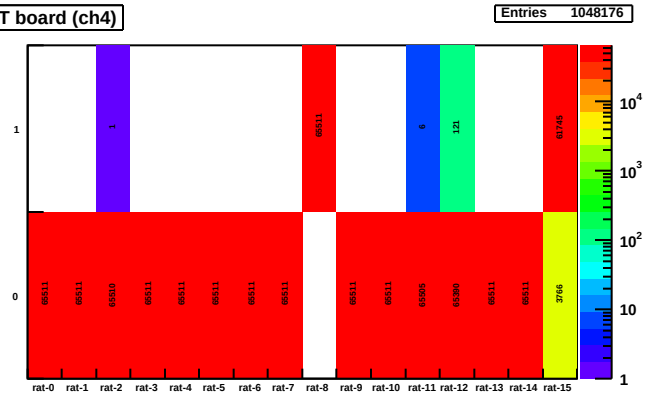

Unused (ch2)
Entries 1048176

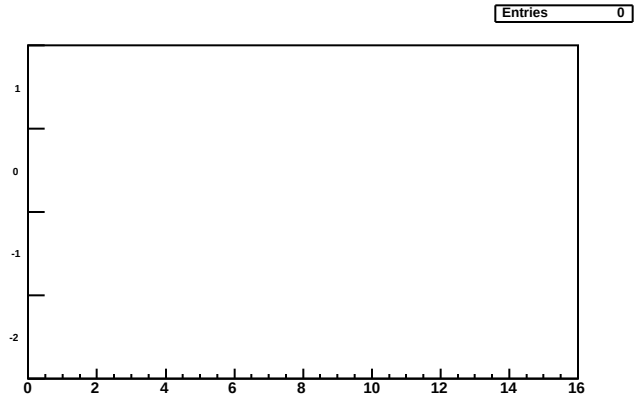

Entries 0


EM201 0-15 (ch3)
Entries 1048176
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

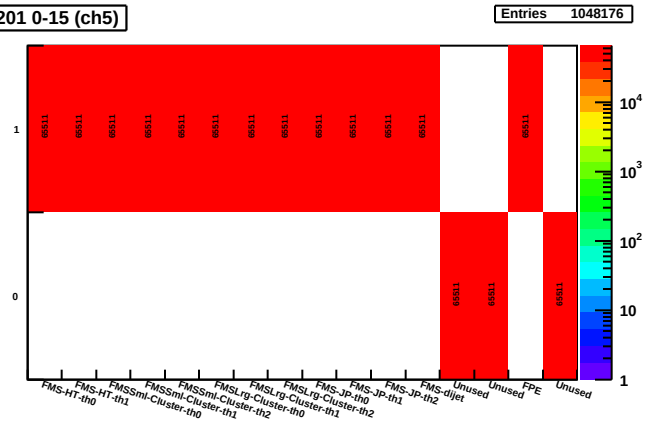

EM201 0-15 (ch3)
Entries 103
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

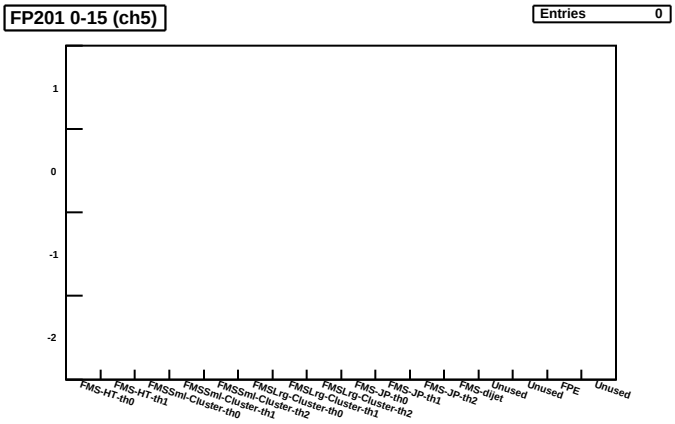
RAT board (ch4)



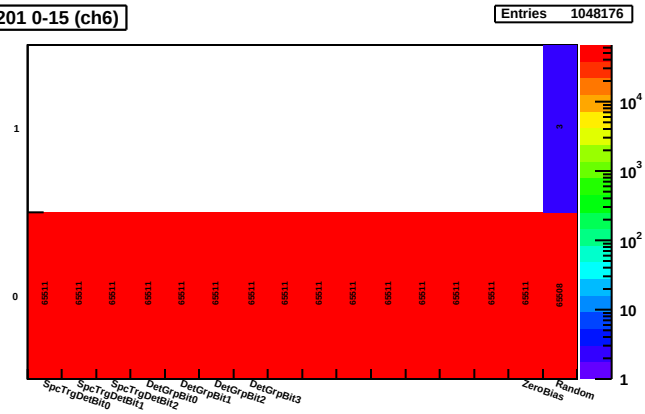


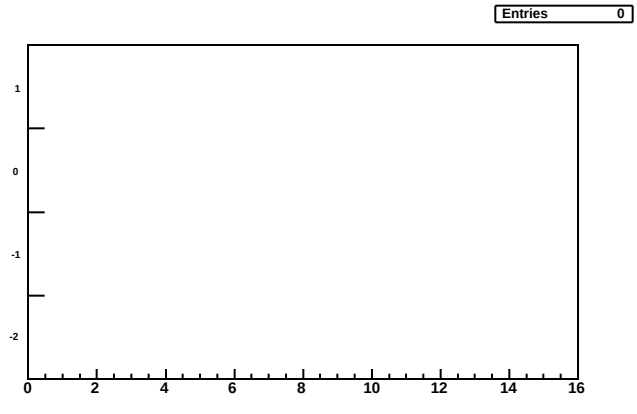
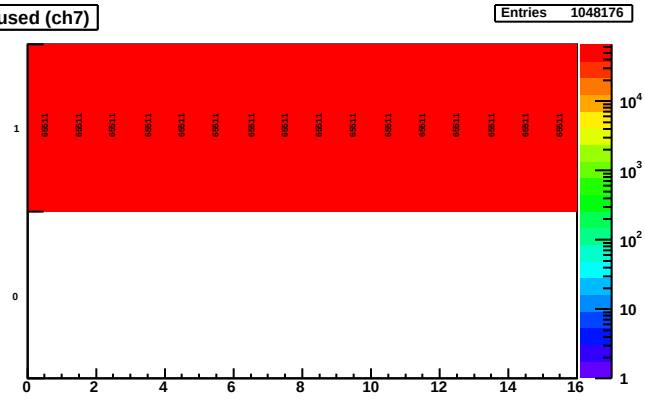
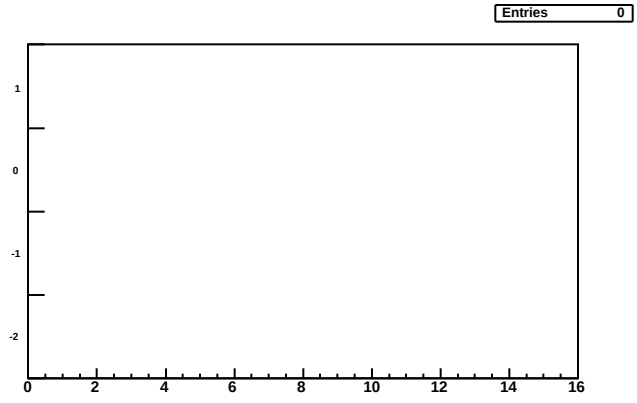
FP201 0-15 (ch5)





ST201 0-15 (ch6)





Unused (ch7)