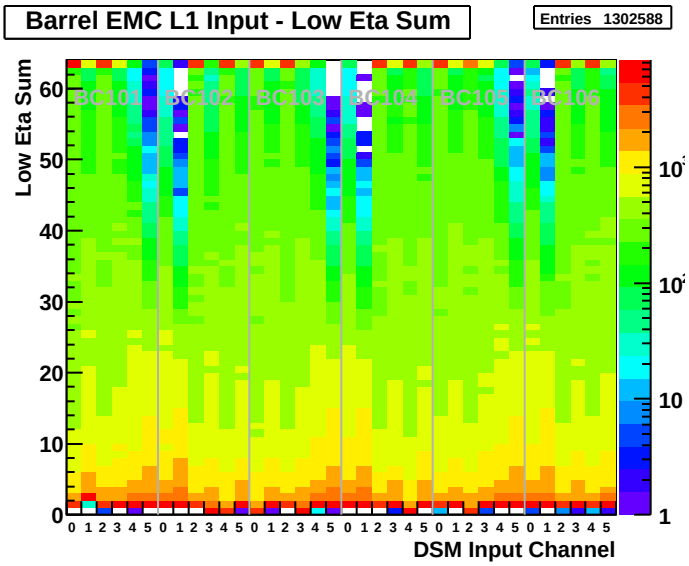
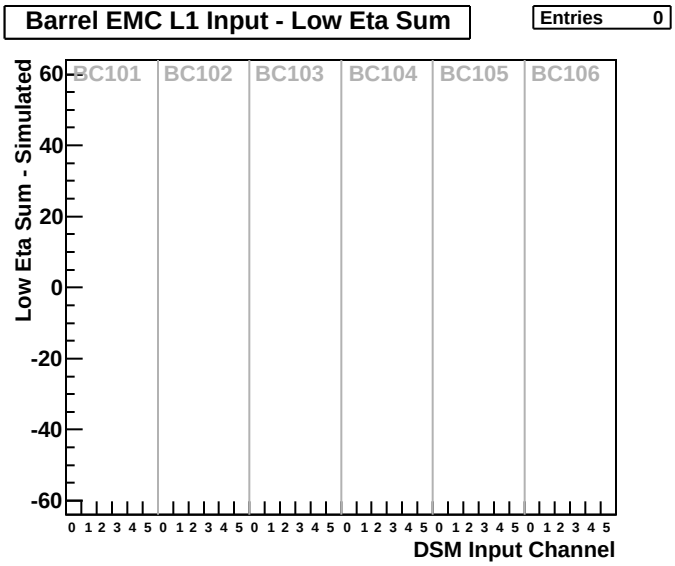
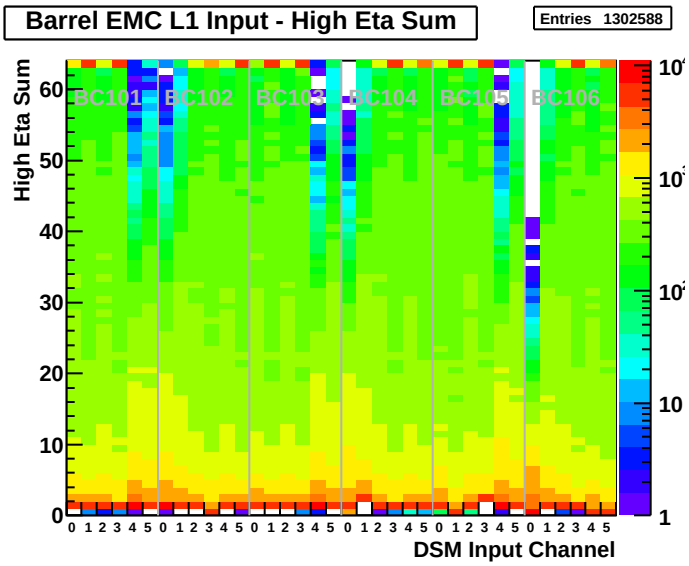
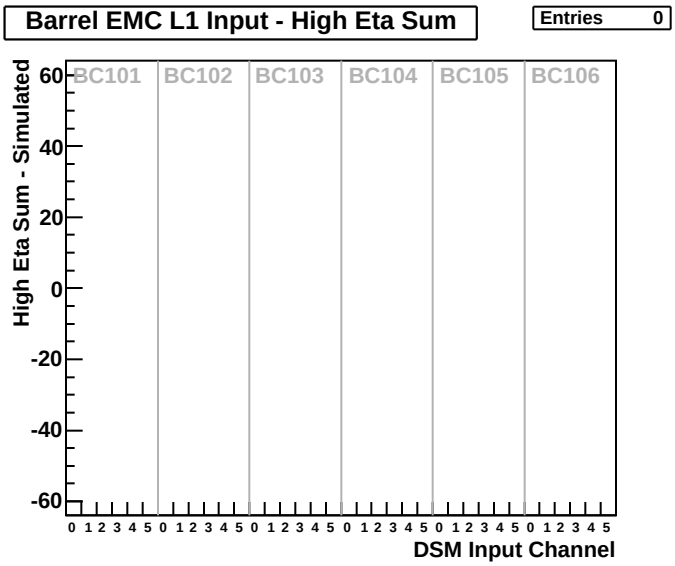
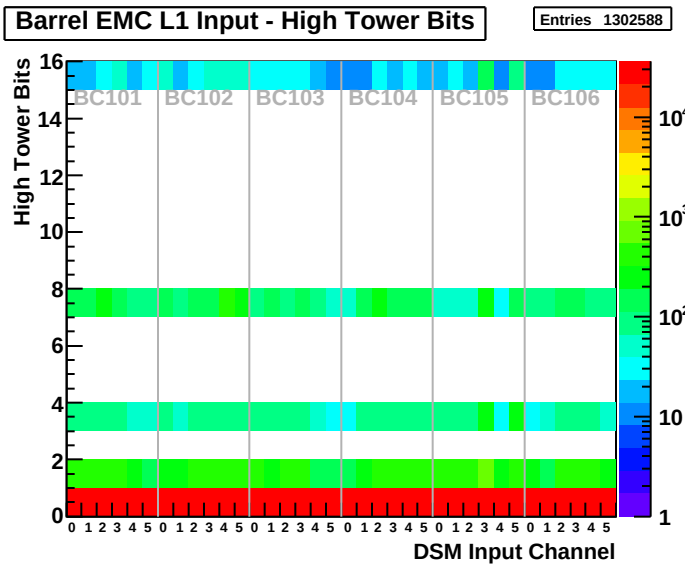
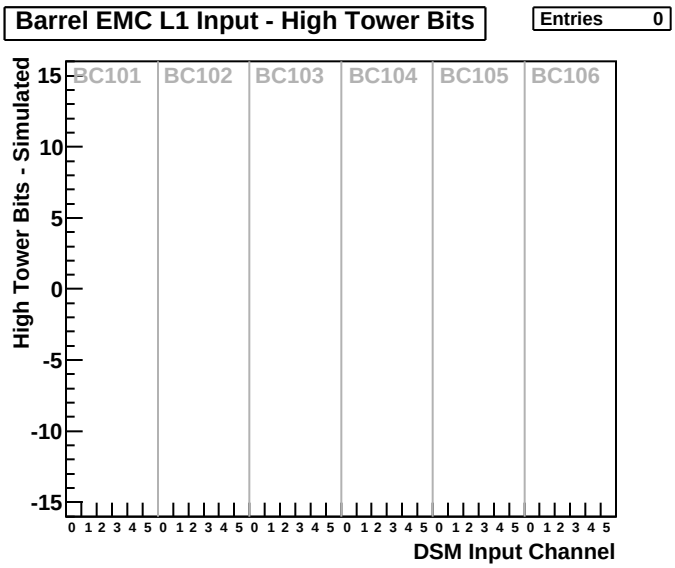

Barrel EMC L1 Input - Low Eta Sum
Entries 1302588
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

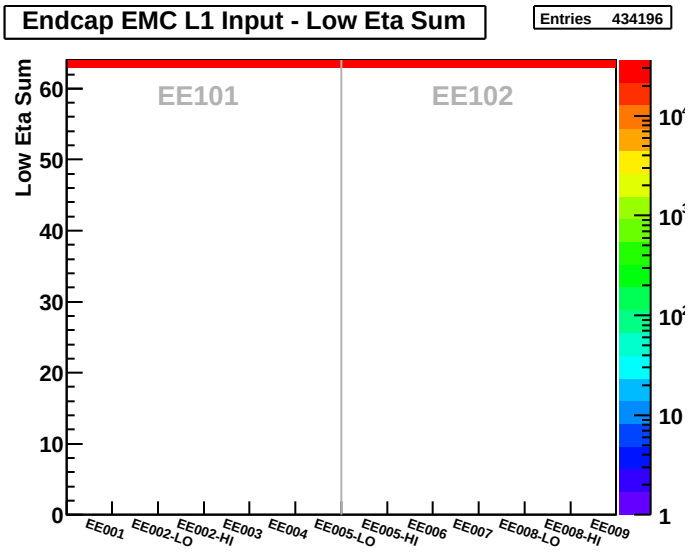

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

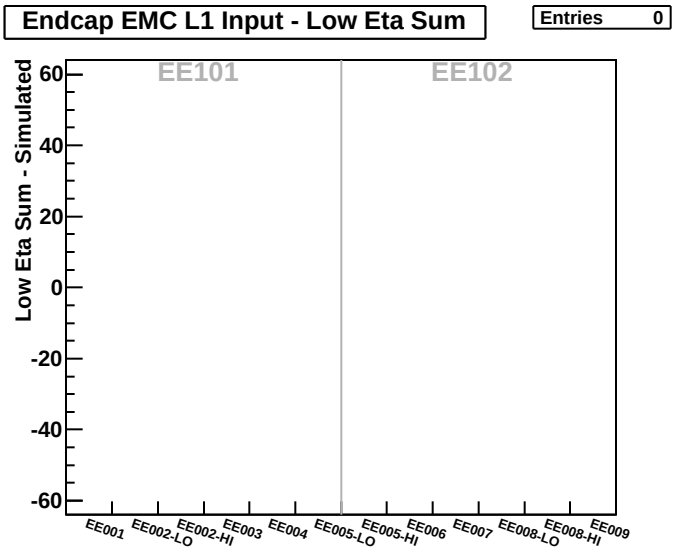

Barrel EMC L1 Input - High Eta Sum
Entries 1302588
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

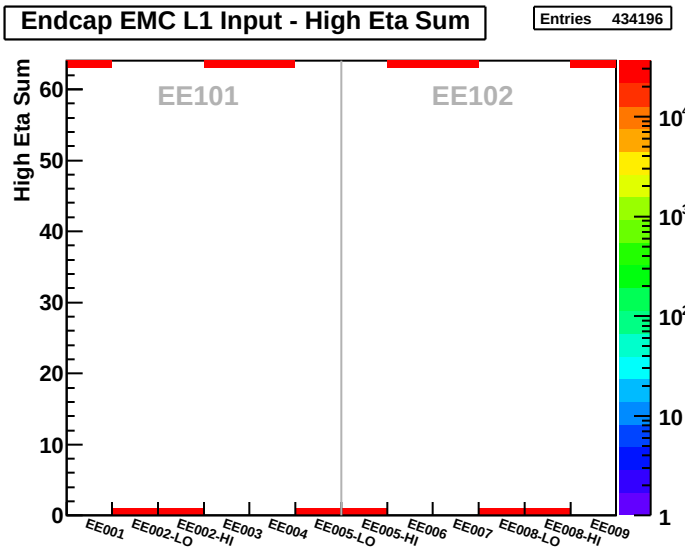

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

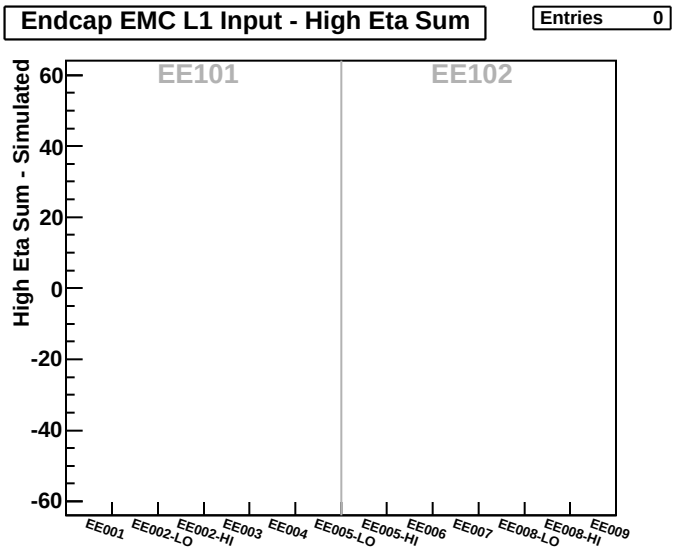

Barrel EMC L1 Input - High Tower Bits
Entries 1302588
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

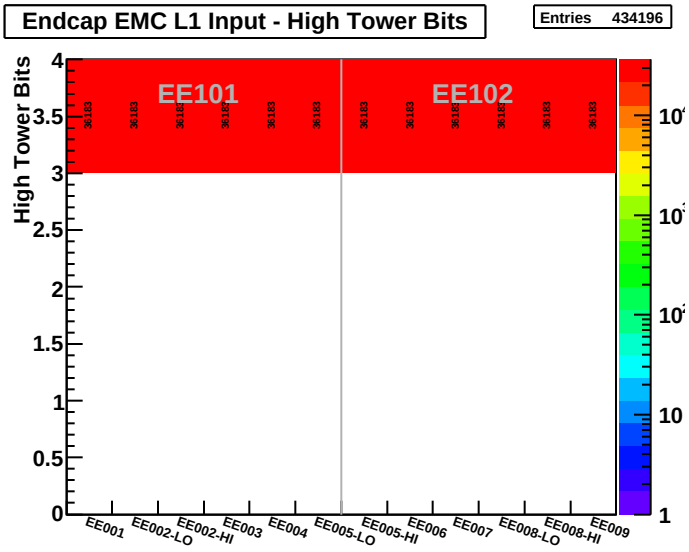

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

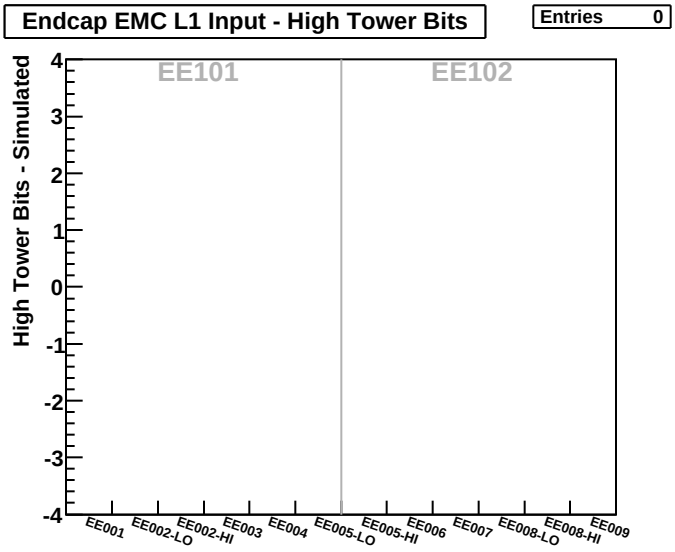

Endcap EMC L1 Input - Low Eta Sum
Entries 434196
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

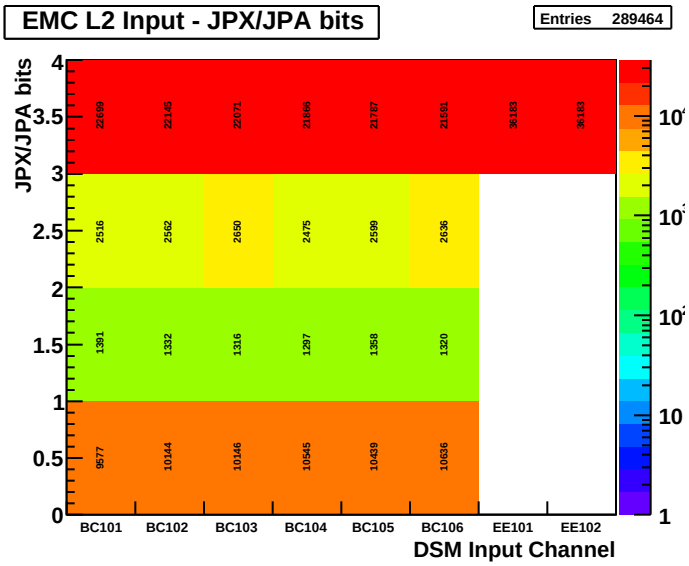

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

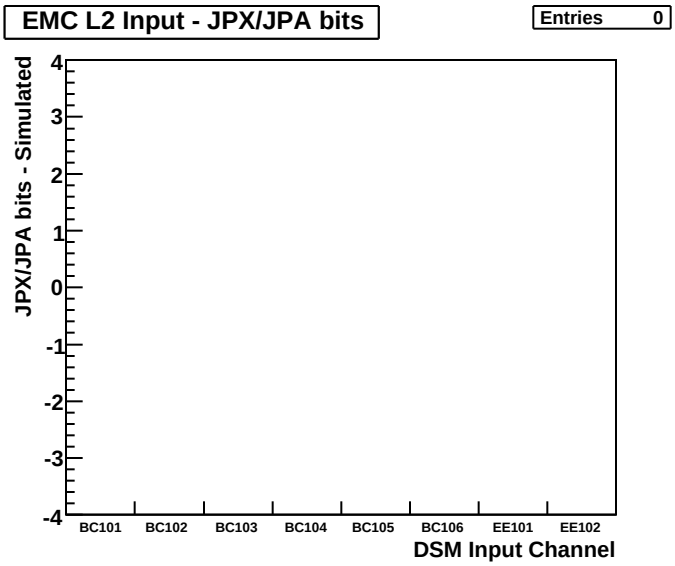

Endcap EMC L1 Input - High Eta Sum
Entries 434196
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

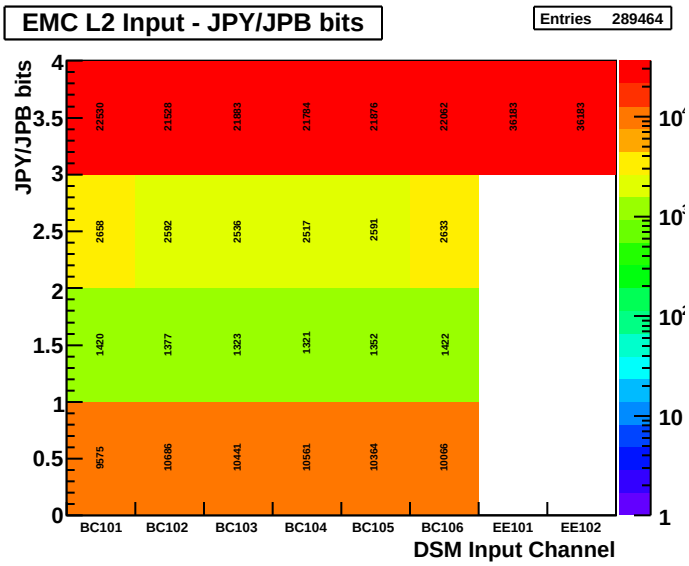

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

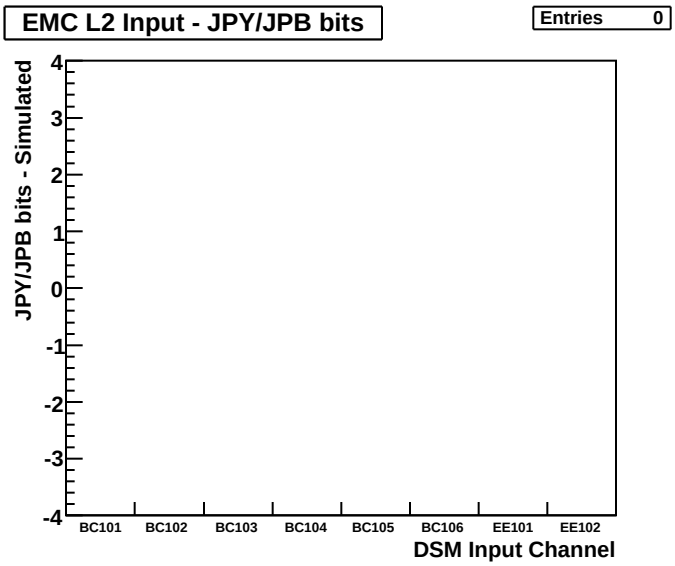

Endcap EMC L1 Input - High Tower Bits
Entries 434196
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

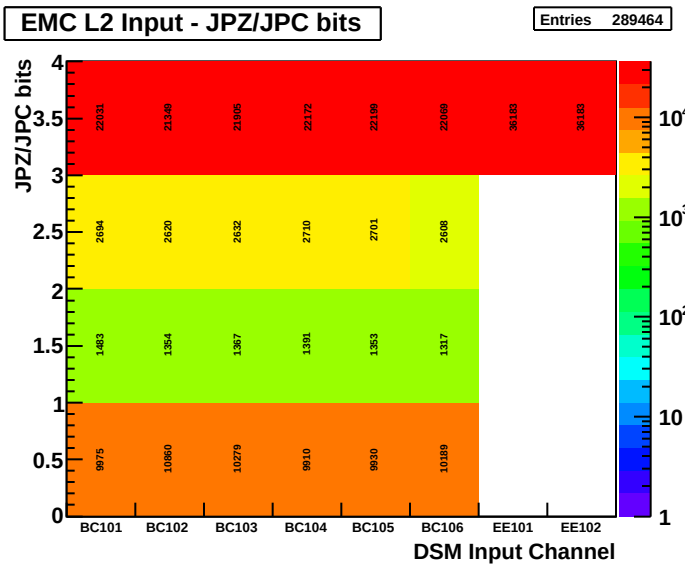

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

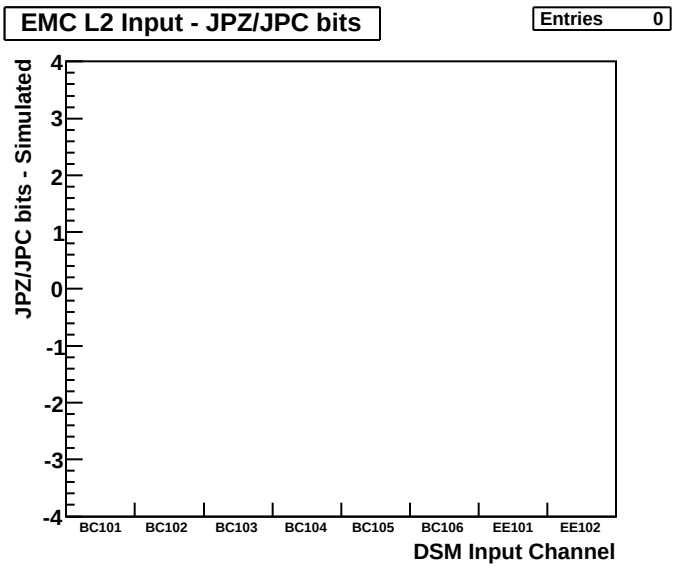

EMC L2 Input - JPX/JPA bits
Entries 289464
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
22699 22145 22071 21866 21787 21591 36183 36183
2516 2562 2650 2475 2599 2636
1391 1332 1316 1297 1358 1320
9577 10144 10146 10545 10439 10636

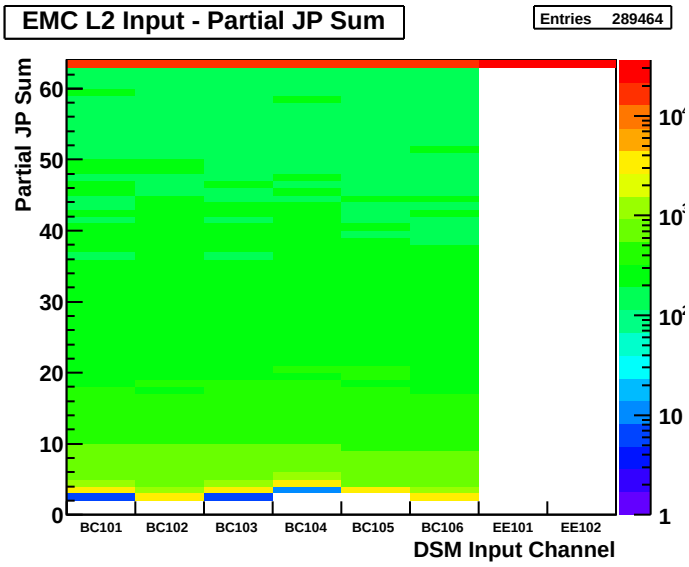

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

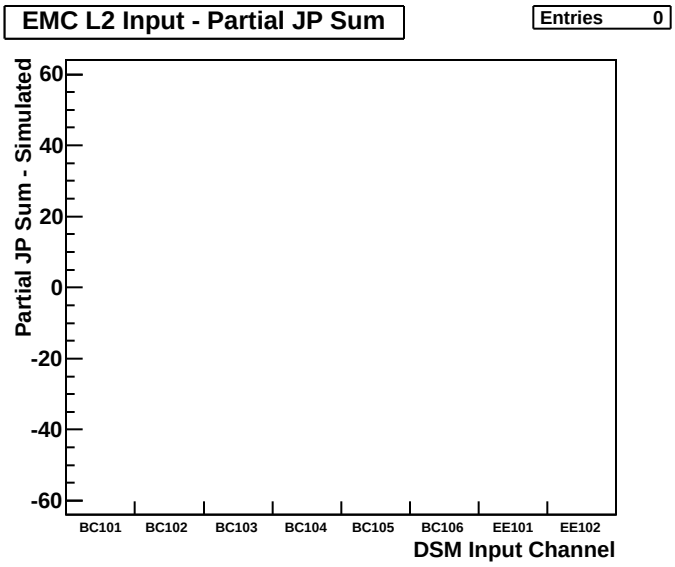

EMC L2 Input - JPY/JPB bits
Entries 289464
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
22550 21528 21863 21784 21876 22062 36183 36183
2658 2592 2536 2517 2591 2633
1420 1377 1323 1321 1352 1422
9575 10686 10441 10561 10364 10066

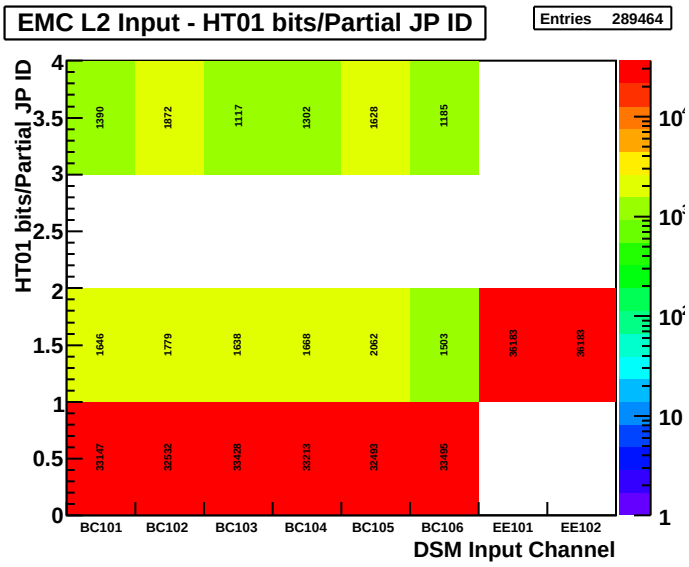

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

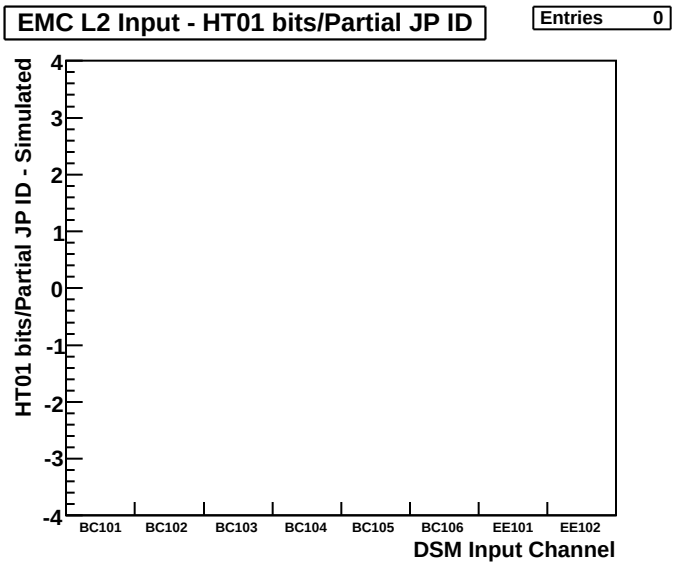

EMC L2 Input - JPZ/JPC bits
Entries 289464
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
22031 21349 21905 22172 22199 22069 36183 36183
2694 2620 2632 2710 2701 2608
1483 1354 1367 1391 1353 1317
9975 10860 10279 9910 9930 10189

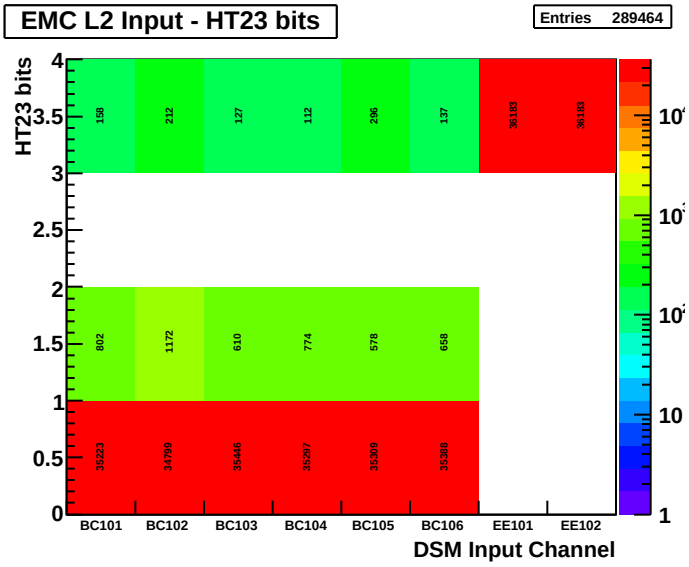

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

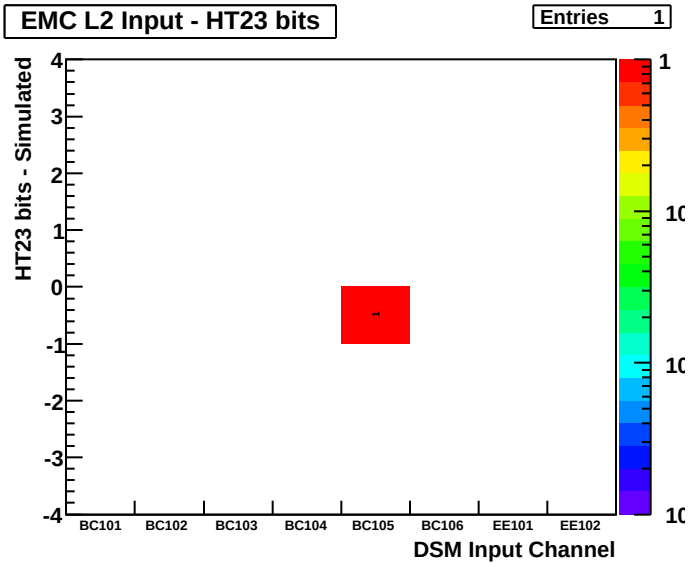

EMC L2 Input - Partial JP Sum
Entries 289464
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

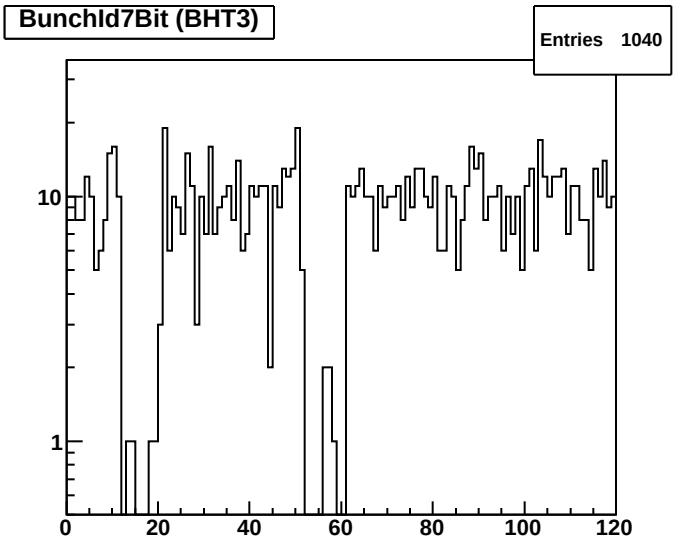

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

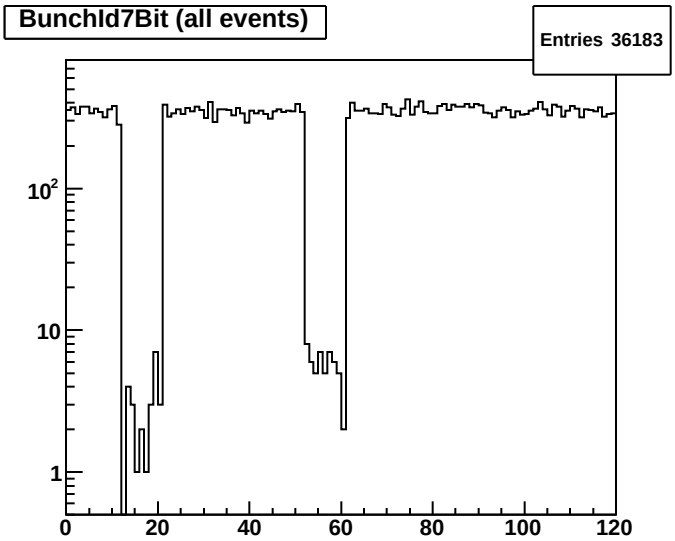

EMC L2 Input - HT01 bits/Partial JP ID
Entries 289464
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

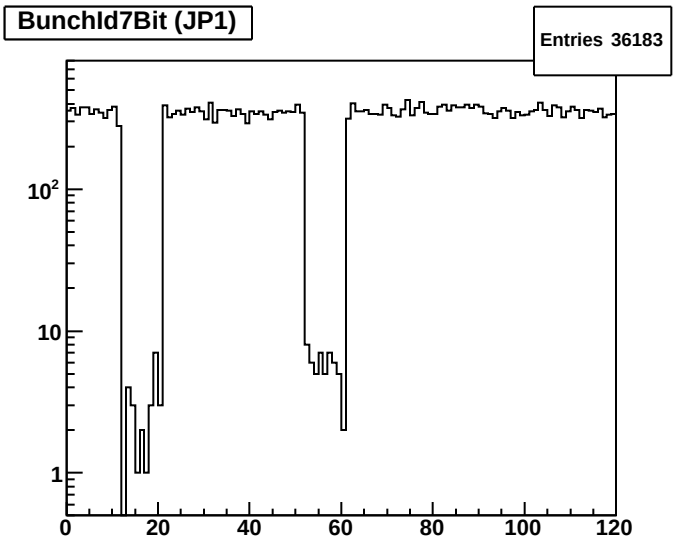

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

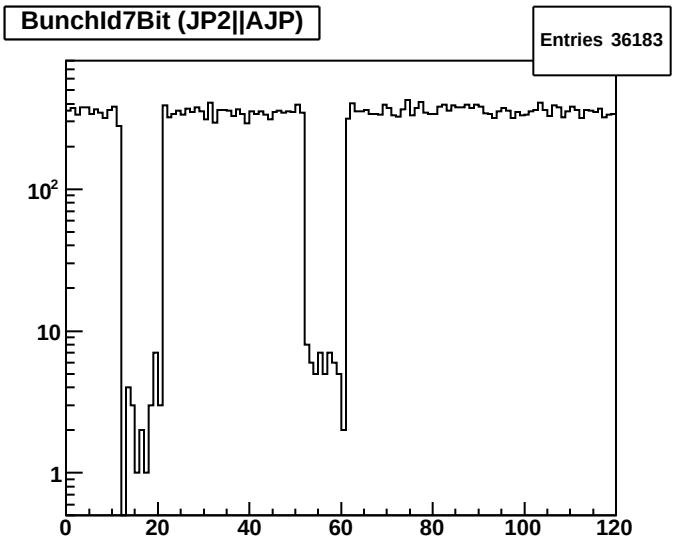

EMC L2 Input - HT23 bits
Entries 289464
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

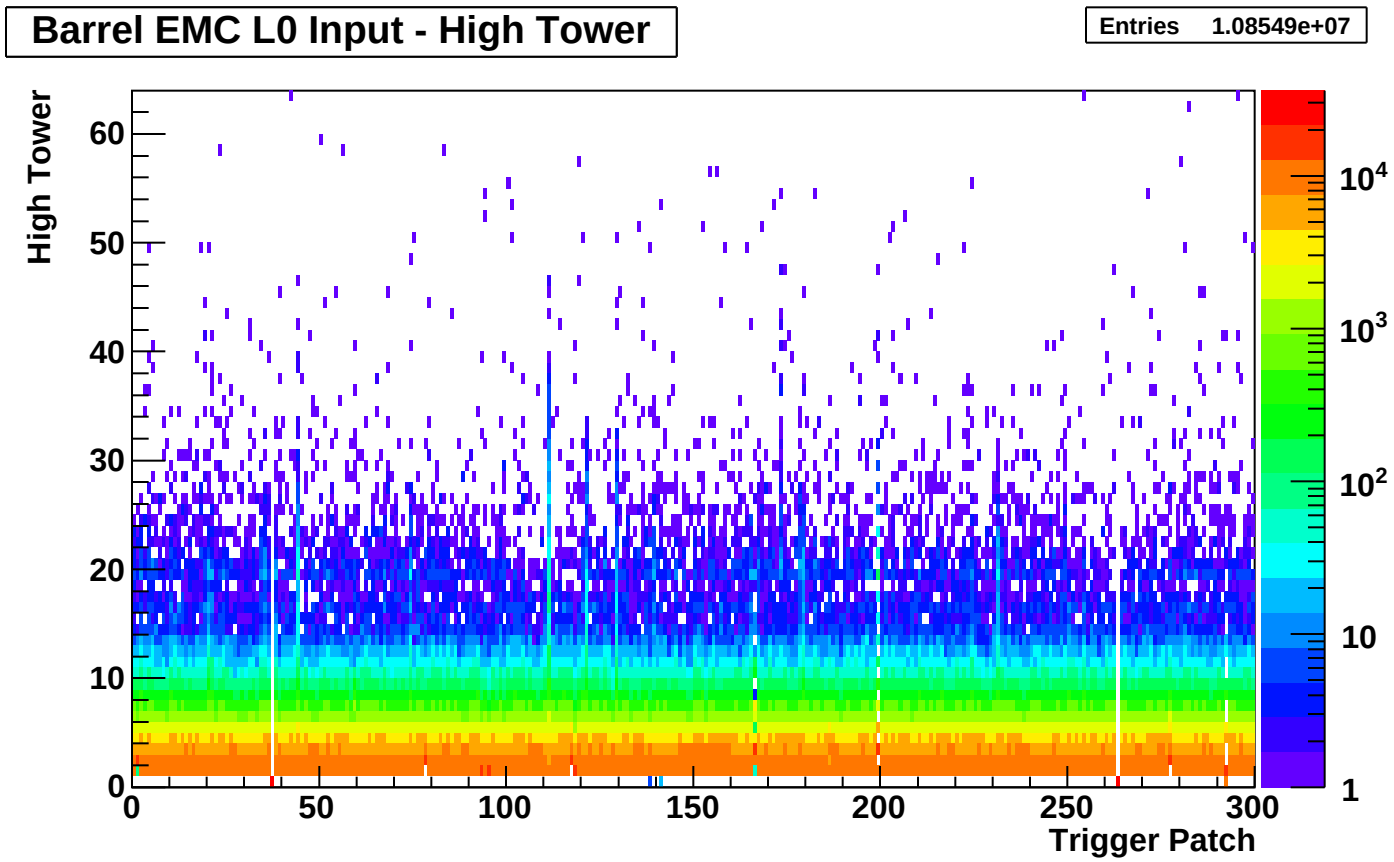

EMC L2 Input - HT23 bits
Entries 1
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

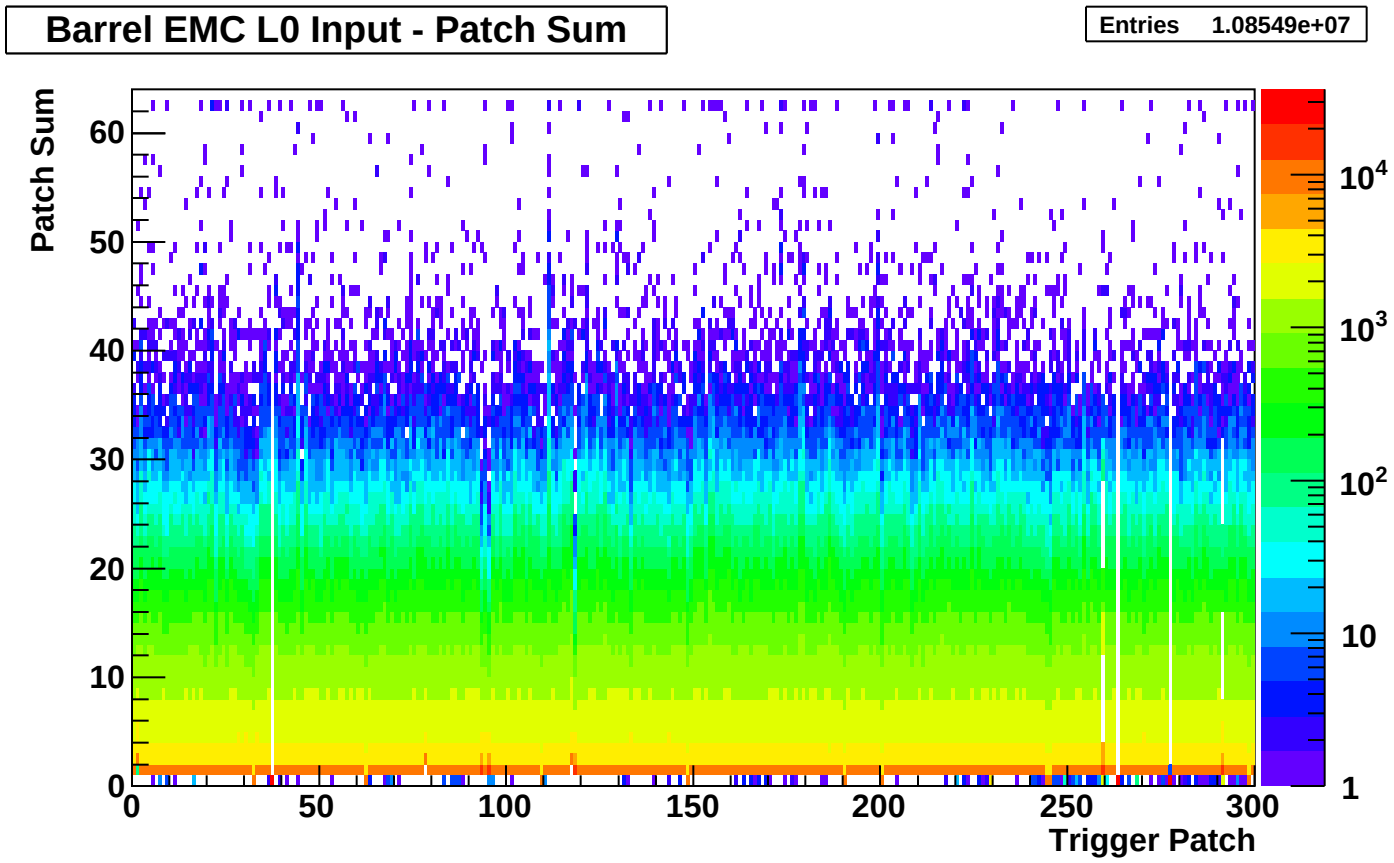

BunchId7Bit (BHT3)
Entries 1040
10
1
0
20
40
60
80
100
120

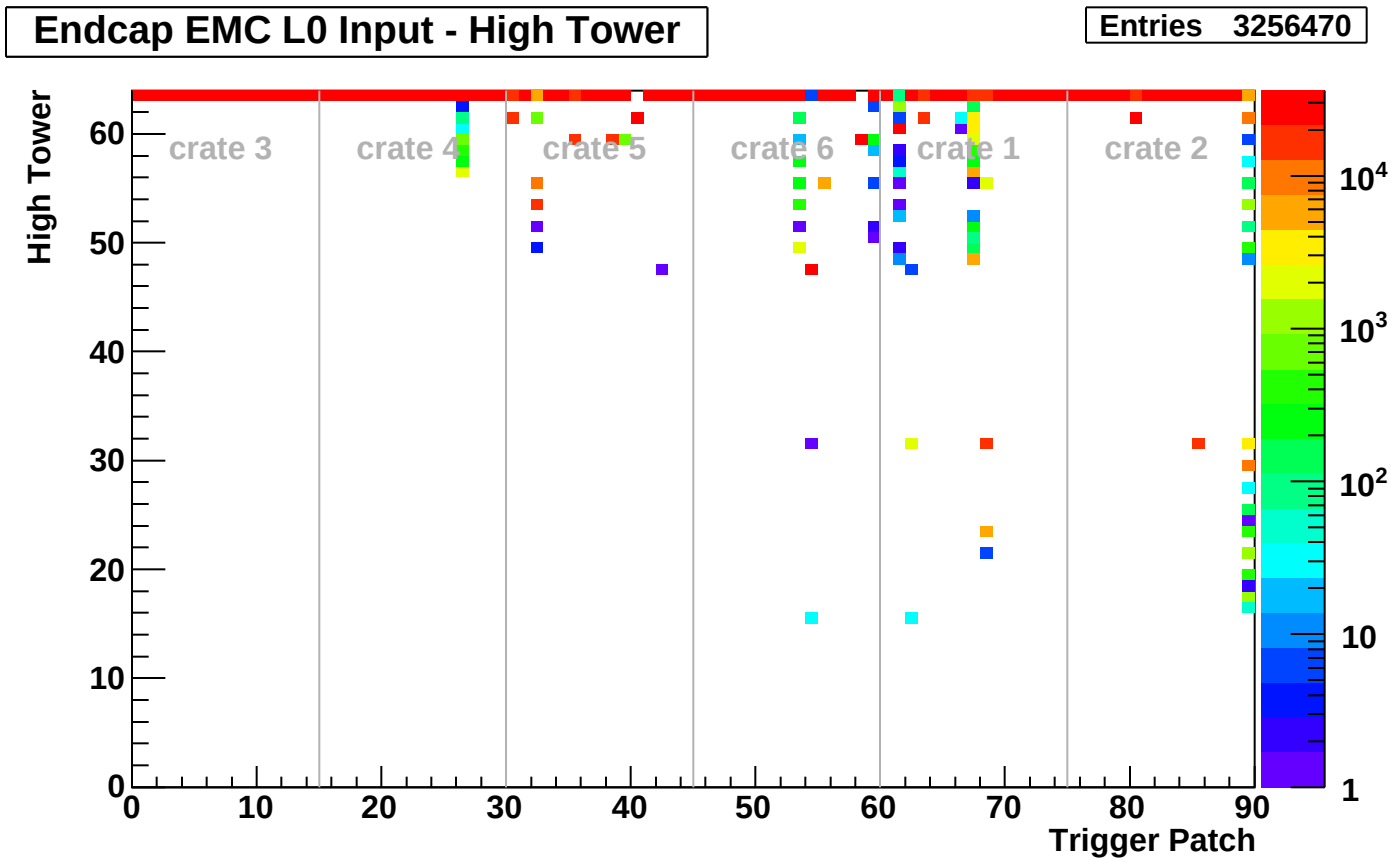

BunchId7Bit (all events)
Entries 36183
10^2
10
1
0
20
40
60
80
100
120

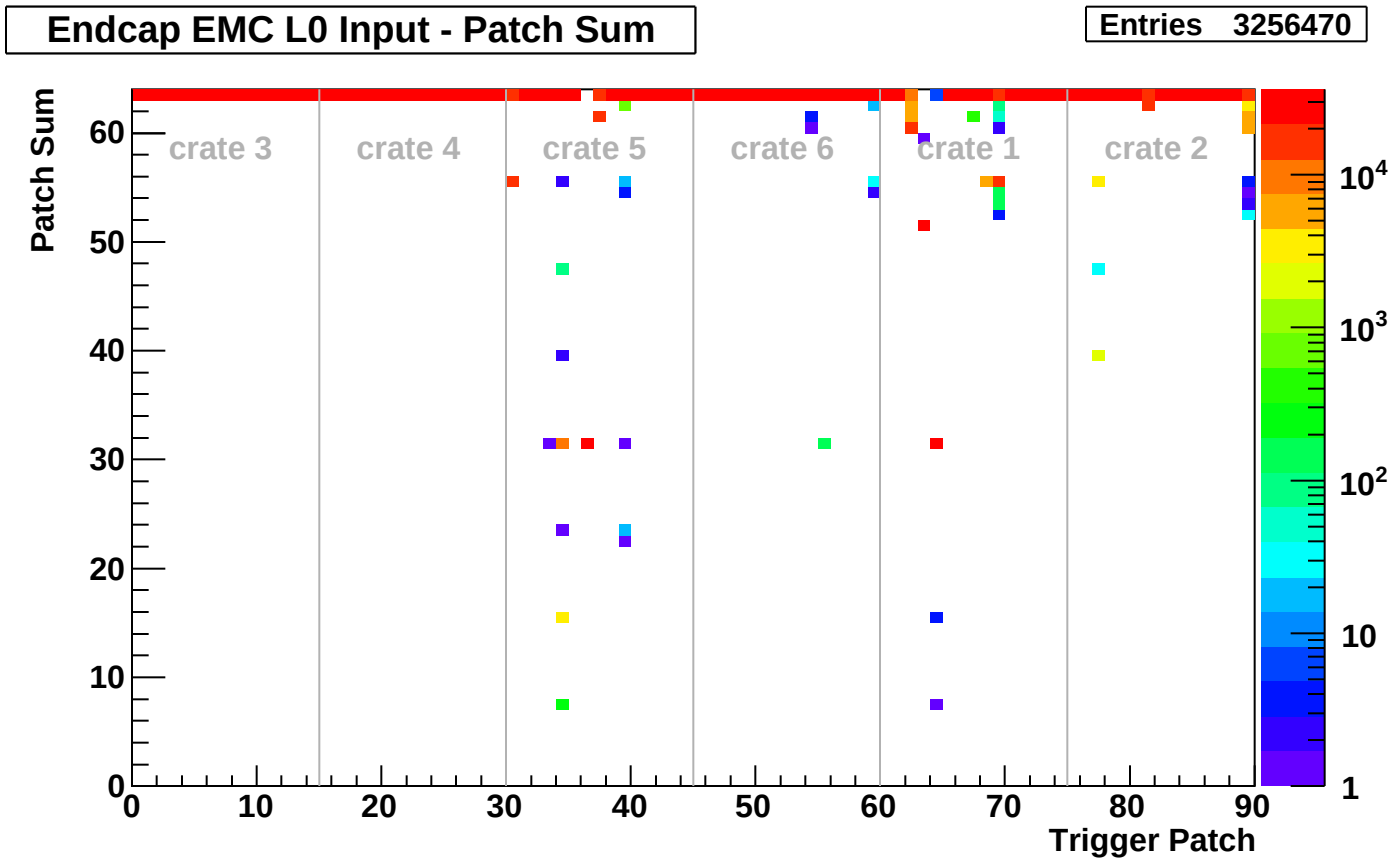

BunchId7Bit (JP1)
Entries 36183
10^2
10
1
0
20
40
60
80
100
120

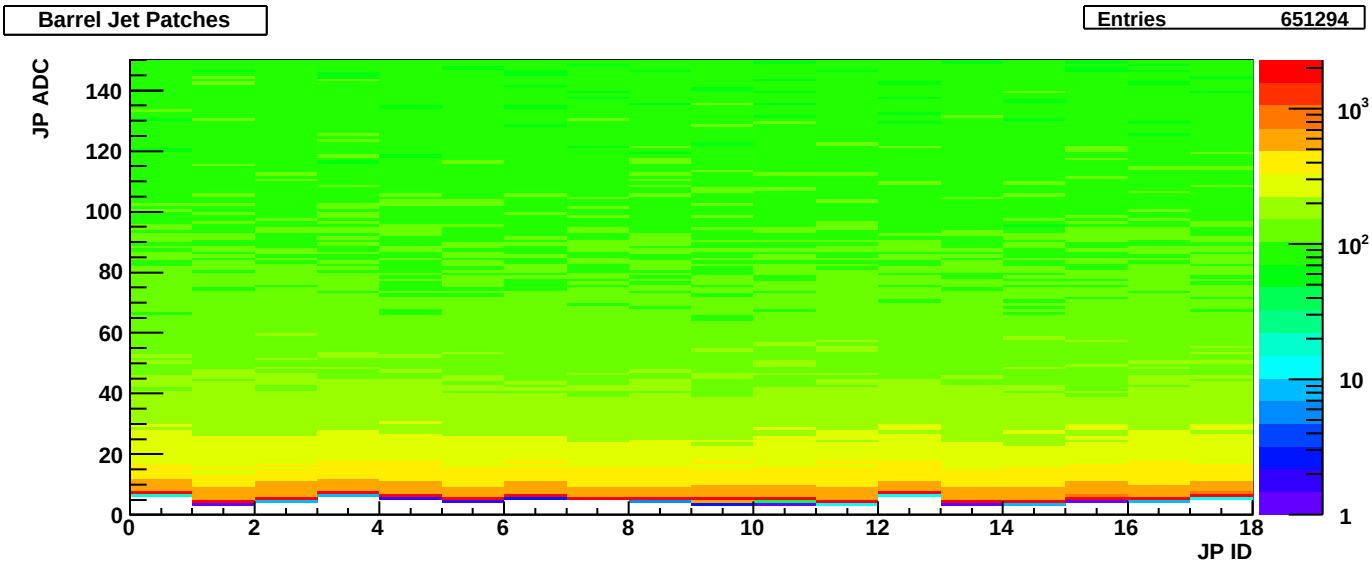

BunchId7Bit (JP2||AJP)
Entries 36183
10^2
10
1
0
20
40
60
80
100
120

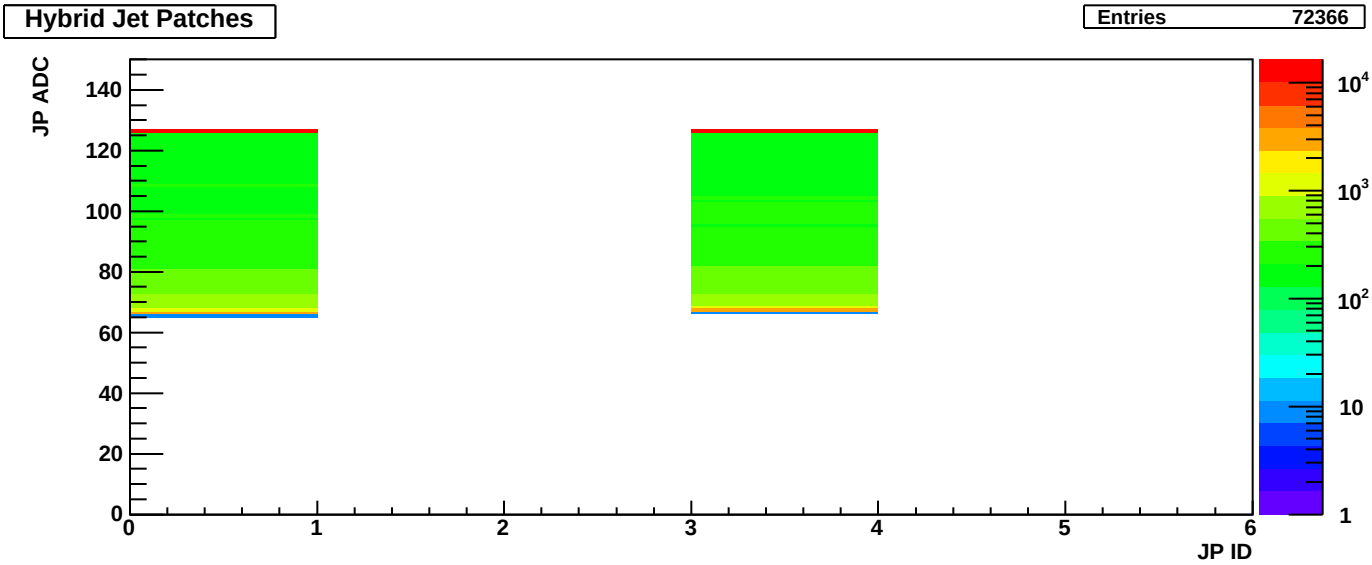

Barrel EMC L0 Input - High Tower
Entries 1.08549e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

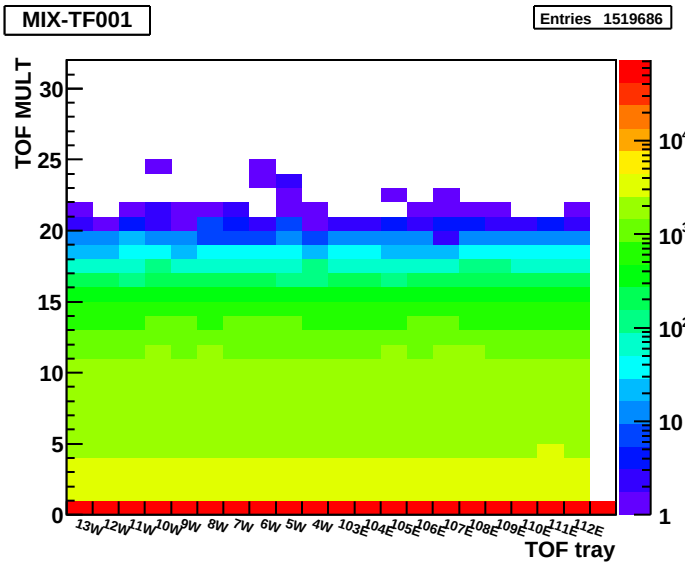

Barrel EMC L0 Input - Patch Sum
Entries 1.08549e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

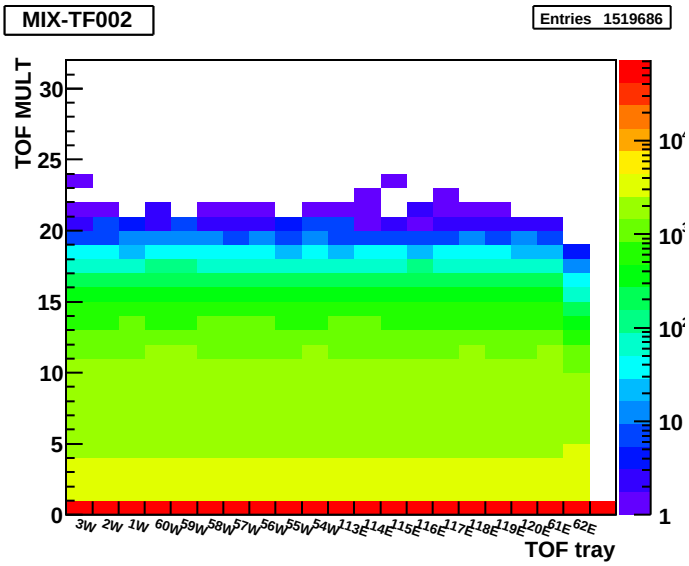

Endcap EMC L0 Input - High Tower
Entries 3256470
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

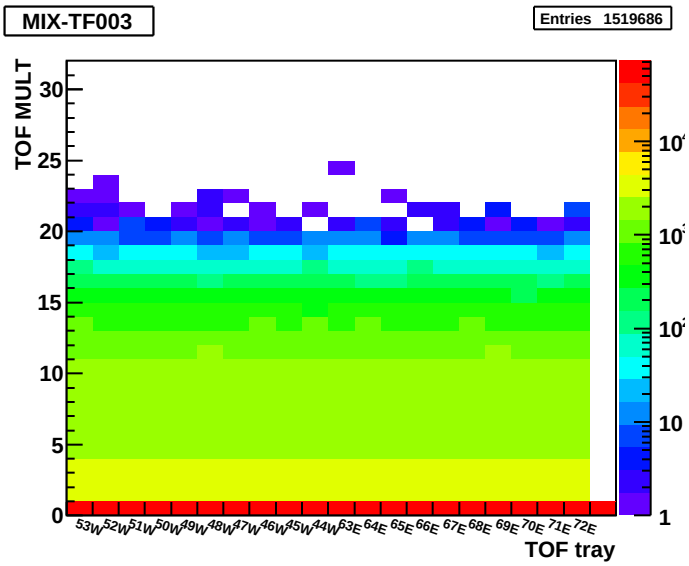

Endcap EMC L0 Input - Patch Sum
Entries 3256470
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

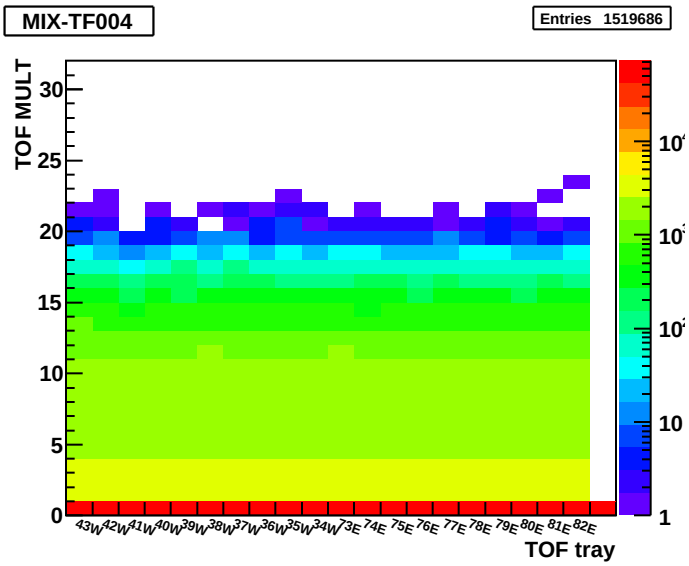

Barrel Jet Patches
Entries 651294
JP ADC
JP ID

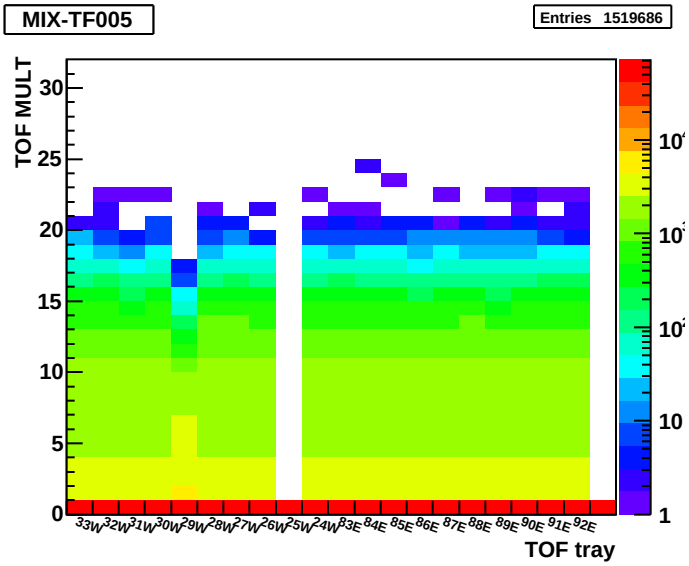

Hybrid Jet Patches
Entries 72366
JP ADC
JP ID

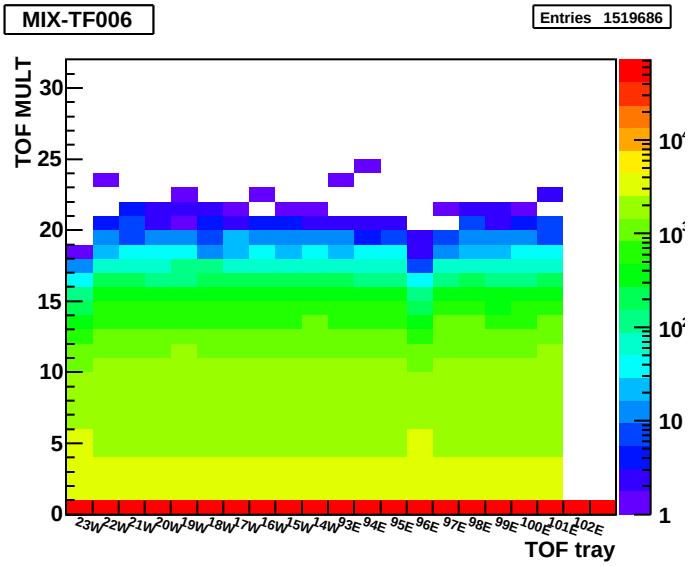

MIX-TF001
Entries 1519686
TOF MULT
TOF tray

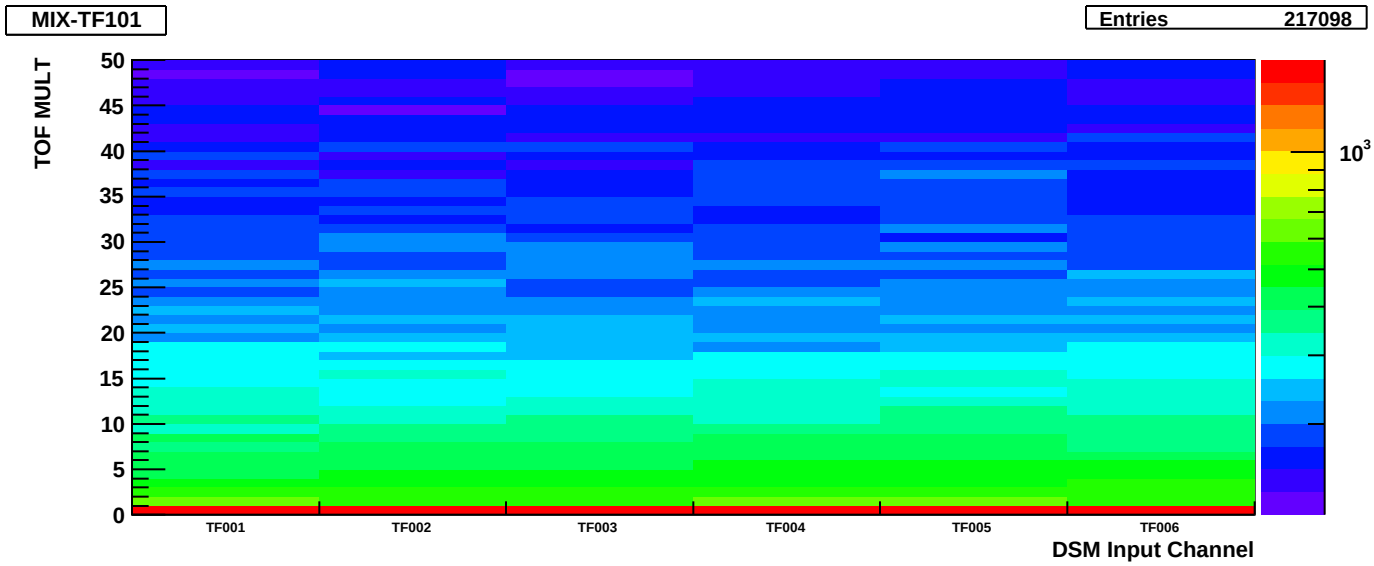

MIX-TF002
Entries 1519686
TOF MULT
TOF tray

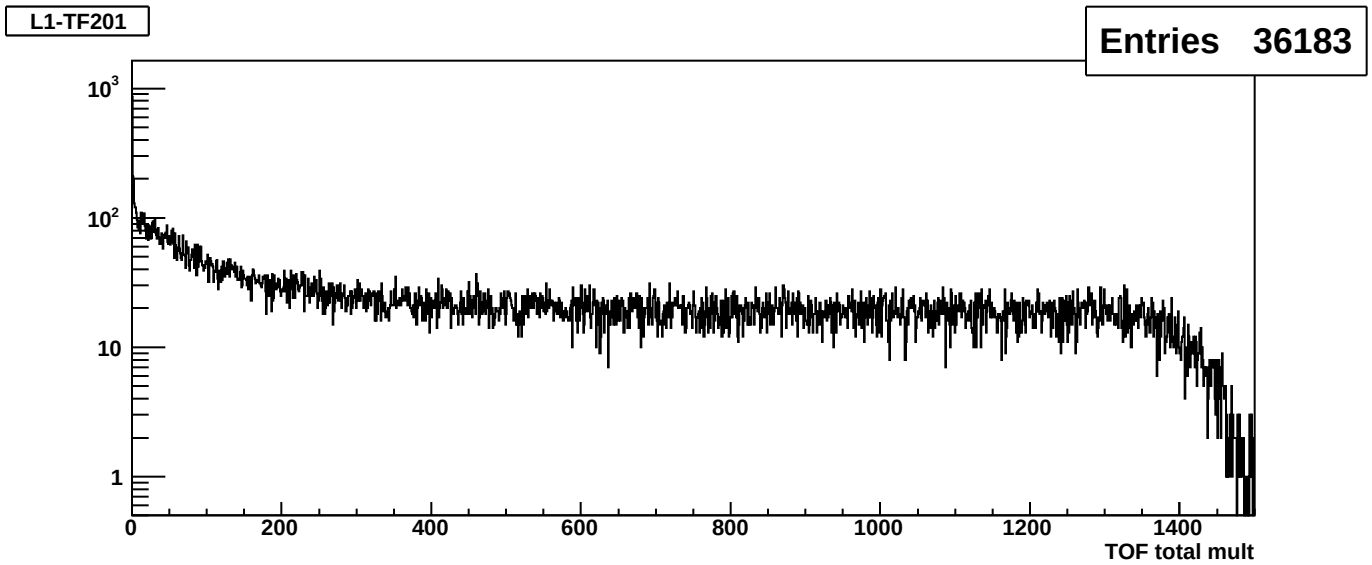

MIX-TF003
Entries 1519686
TOF MULT
TOF tray

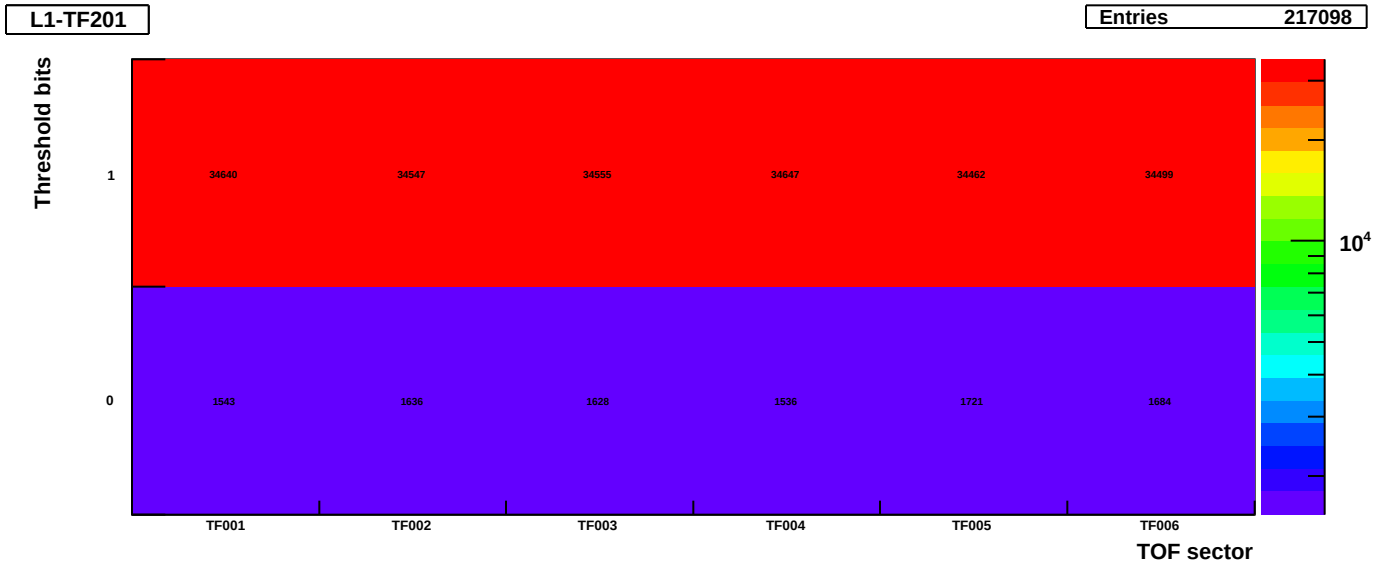

MIX-TF004
Entries 1519686
TOF MULT
TOF tray

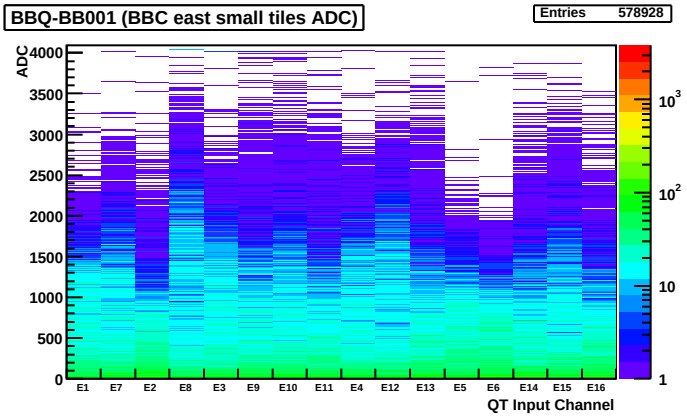

MIX-TF005
Entries 1519686
TOF MULT
TOF tray

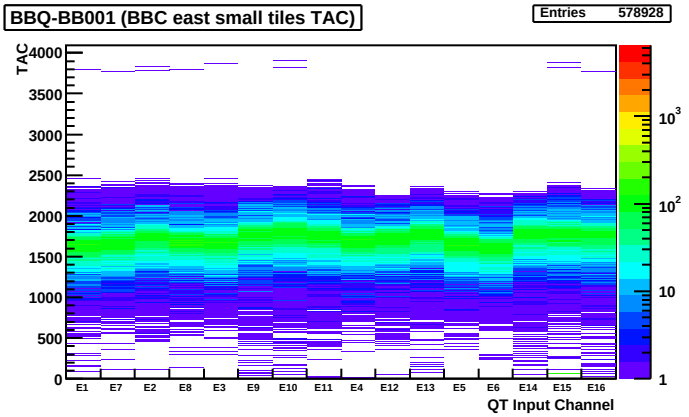

MIX-TF006
Entries 1519686
TOF MULT
TOF tray

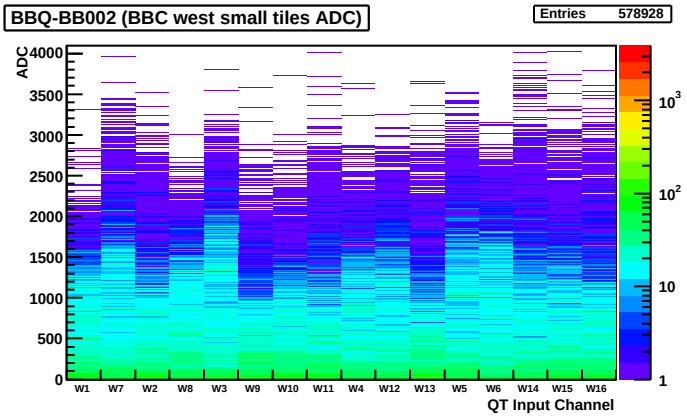

MIX-TF101
Entries 217098
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^3

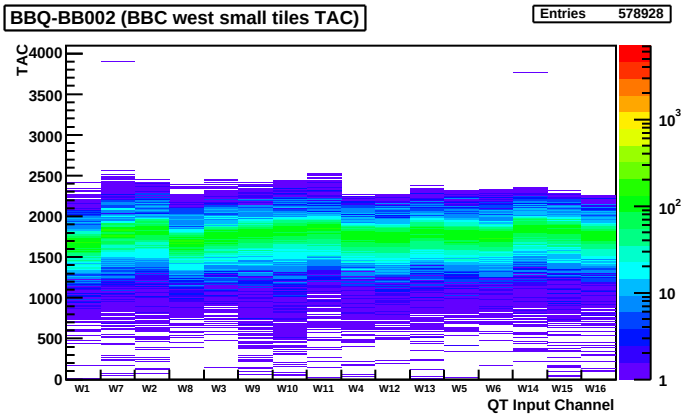

L1-TF201
Entries 36183
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

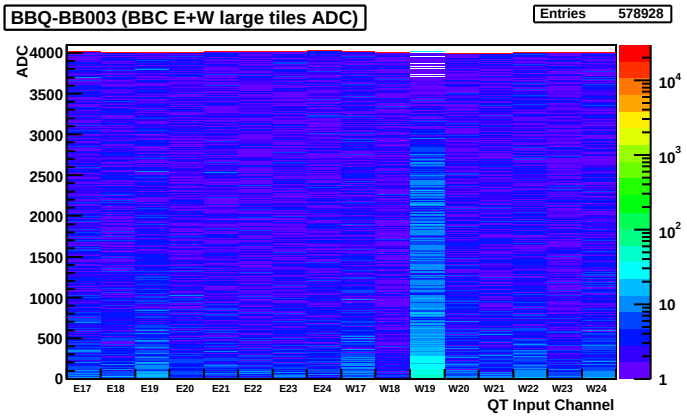

L1-TF201
Entries 217098
Threshold bits
1
0
34640
34547
34555
34647
34462
34499
1543
1636
1628
1536
1721
1684
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^4

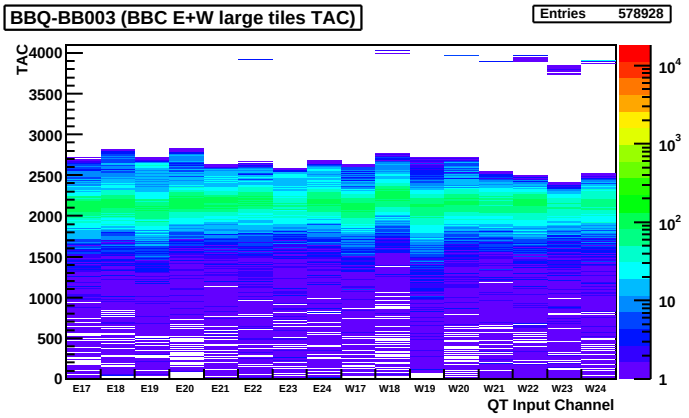

BBQ-BB001 (BBC east small tiles ADC)
Entries 578928
ADC
QT Input Channel

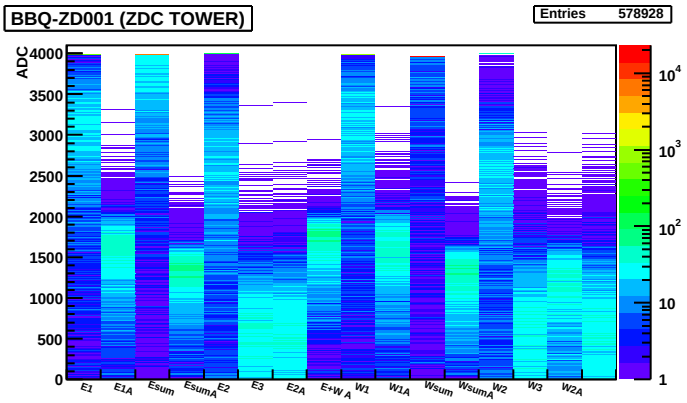

BBQ-BB001 (BBC east small tiles TAC)
Entries 578928
TAC
QT Input Channel

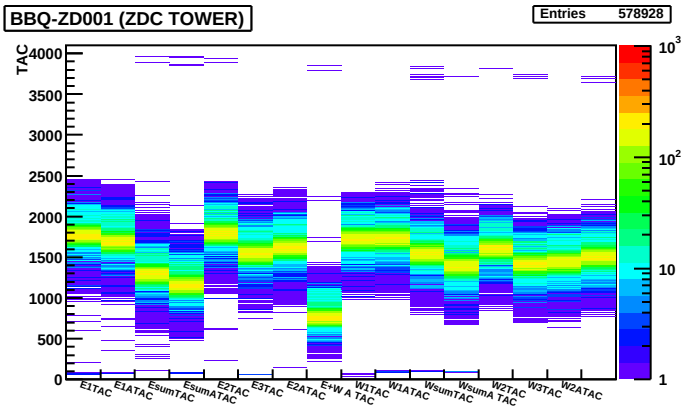

BBQ-BB002 (BBC west small tiles ADC)
Entries 578928
ADC
QT Input Channel

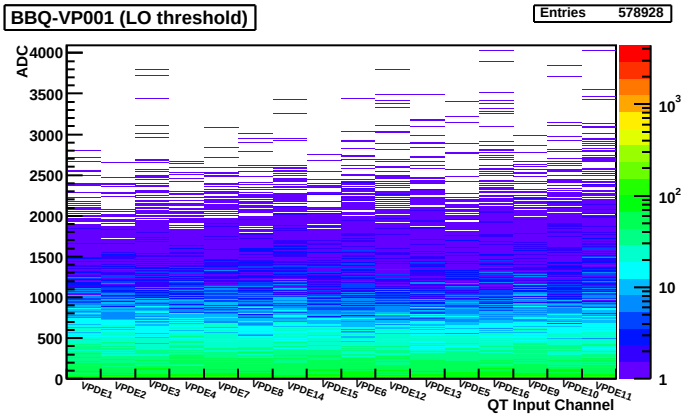

BBQ-BB002 (BBC west small tiles TAC)
Entries 578928
TAC
QT Input Channel

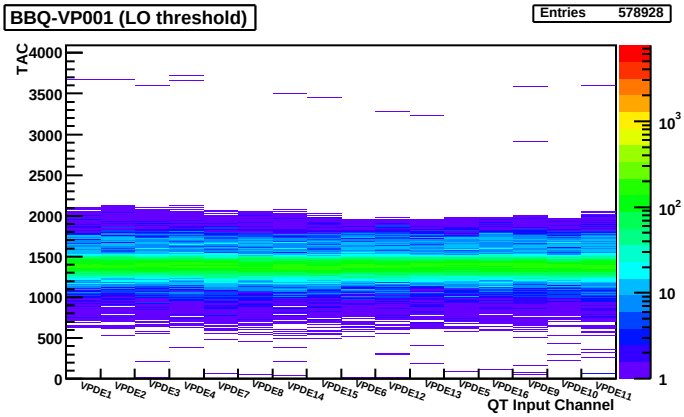

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 578928
ADC
QT Input Channel

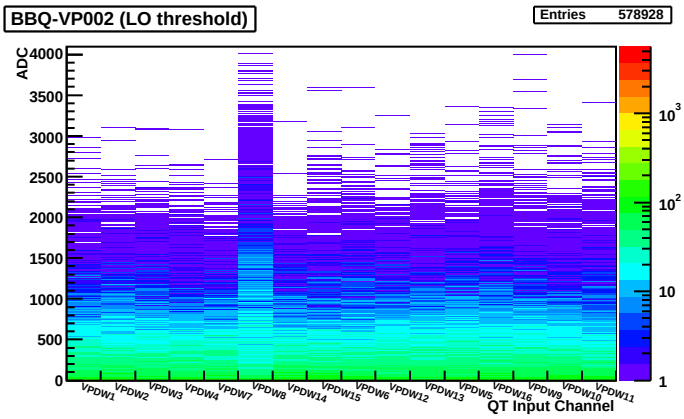

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 578928
TAC
QT Input Channel

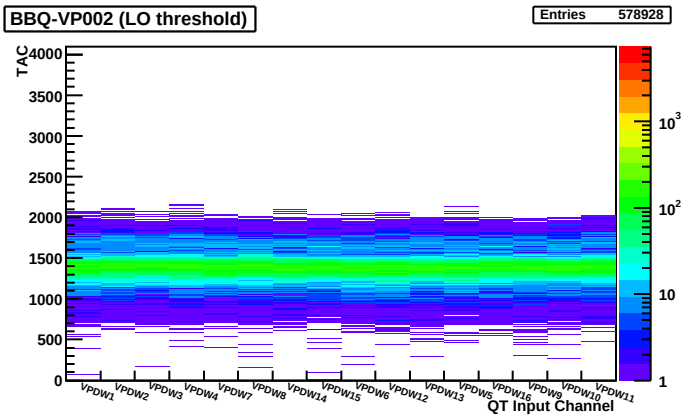

BBQ-ZD001 (ZDC TOWER)
Entries 578928
ADC

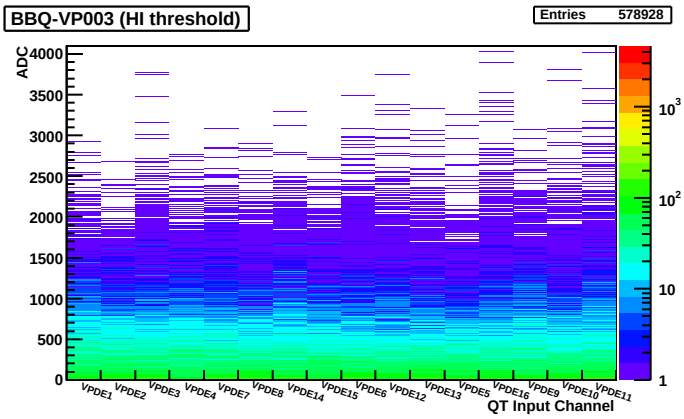

BBQ-ZD001 (ZDC TOWER)
Entries 578928
TAC

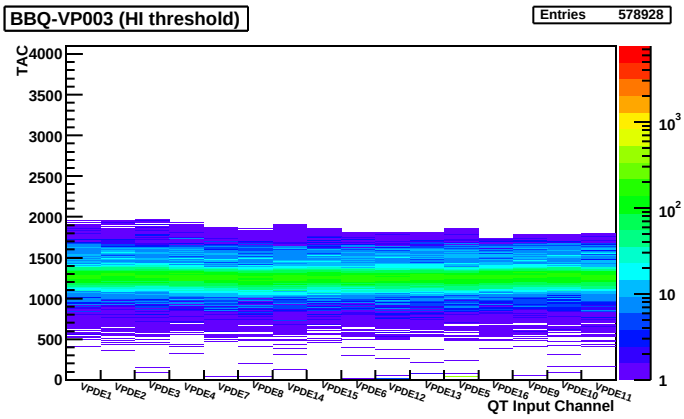

BBQ-VP001 (LO threshold)
Entries 578928
ADC
QT Input Channel

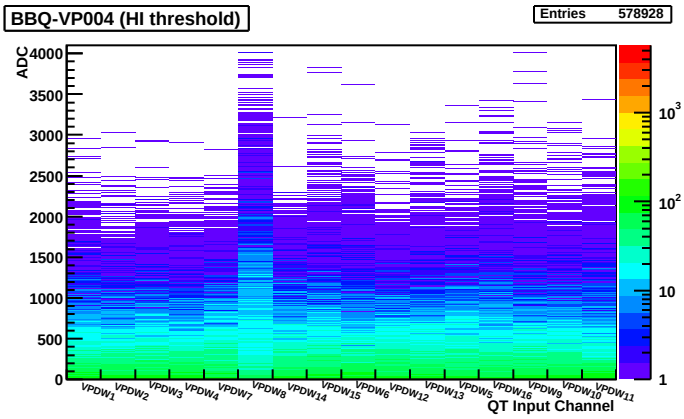

BBQ-VP001 (LO threshold)
Entries 578928
TAC
QT Input Channel

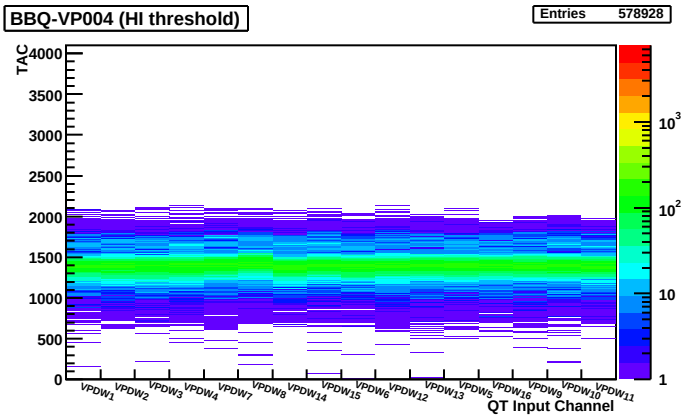

BBQ-VP002 (LO threshold)
Entries 578928
ADC
QT Input Channel

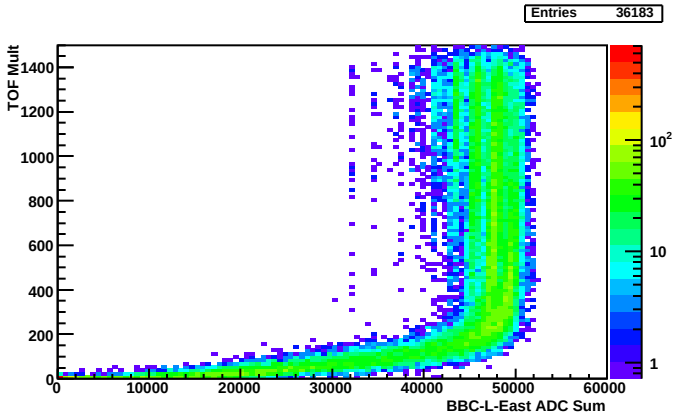

BBQ-VP002 (LO threshold)
Entries 578928
TAC
QT Input Channel

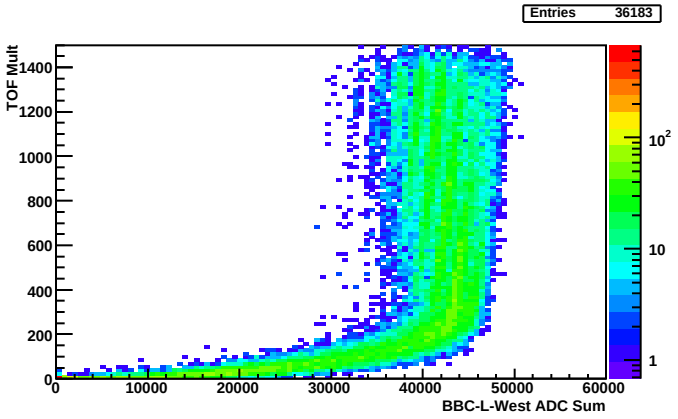

BBQ-VP003 (HI threshold)
Entries 578928
ADC
QT Input Channel

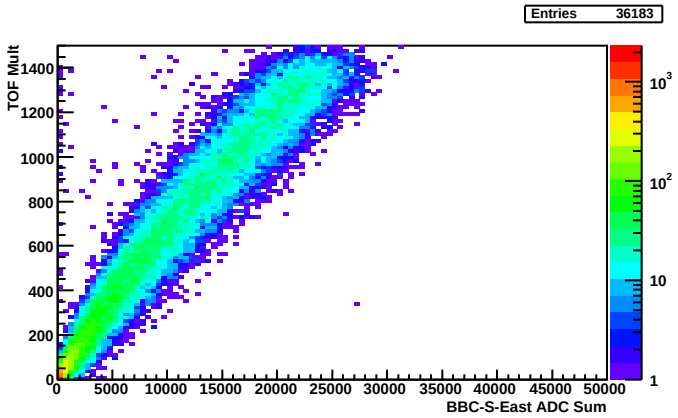

BBQ-VP003 (HI threshold)
Entries 578928
TAC
QT Input Channel

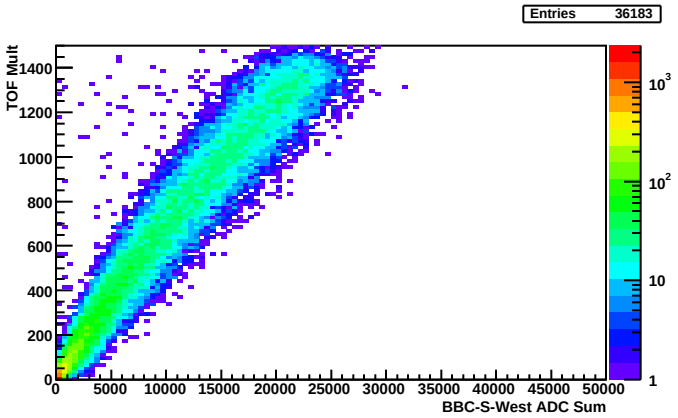

BBQ-VP004 (HI threshold)
Entries 578928
ADC
QT Input Channel

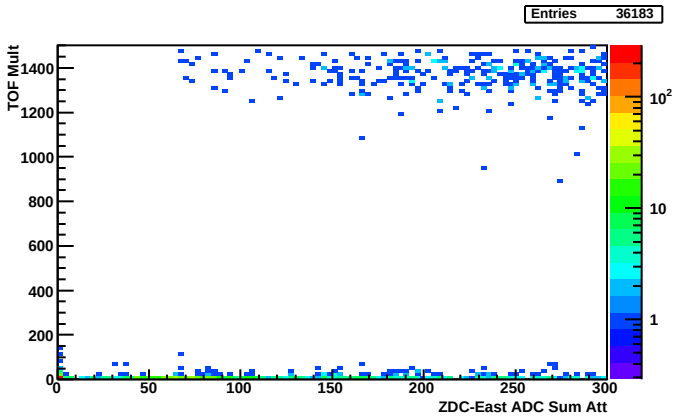

BBQ-VP004 (HI threshold)
Entries 578928
TAC
QT Input Channel

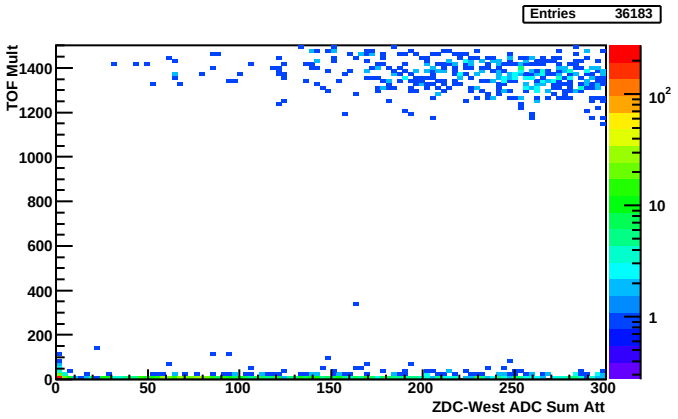

Entries 36183
TOF Mult
BBC-L-East ADC Sum

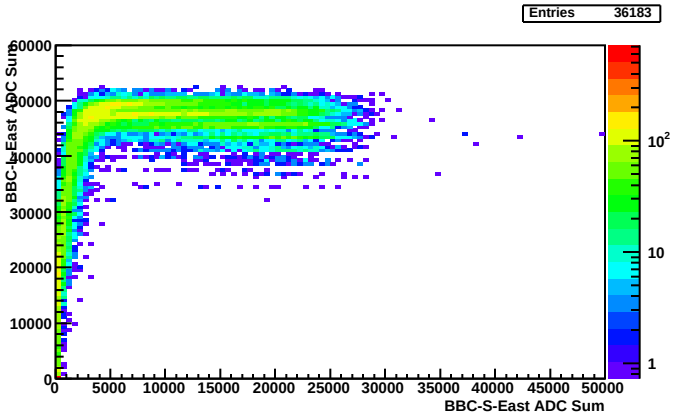

Entries 36183
TOF Mult
BBC-L-West ADC Sum

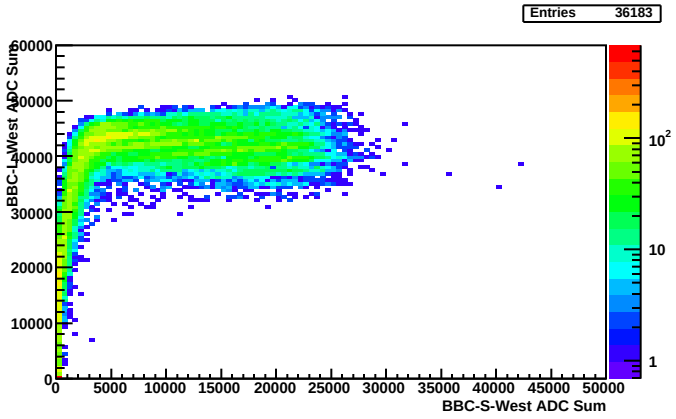

Entries 36183
TOF Mult
BBC-S-East ADC Sum

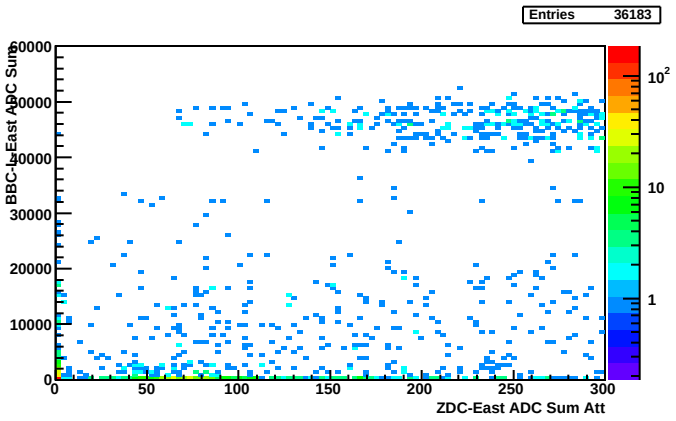

Entries 36183
TOF Mult
BBC-S-West ADC Sum

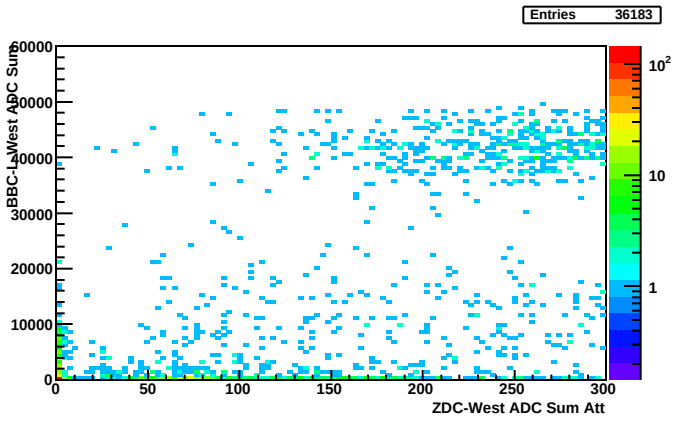

Entries 36183
TOF Mult
ZDC-East ADC Sum Att

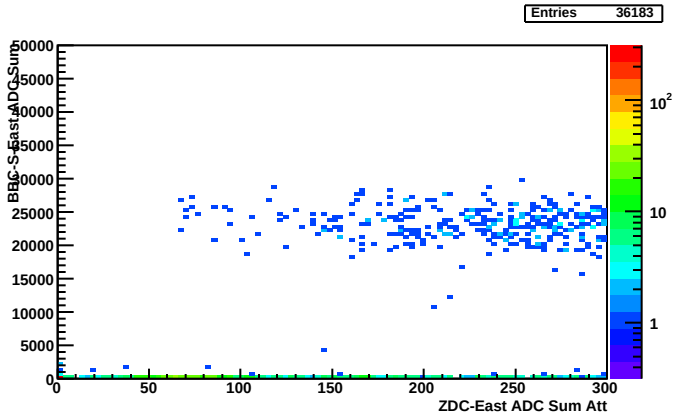

Entries 36183
TOF Mult
ZDC-West ADC Sum Att

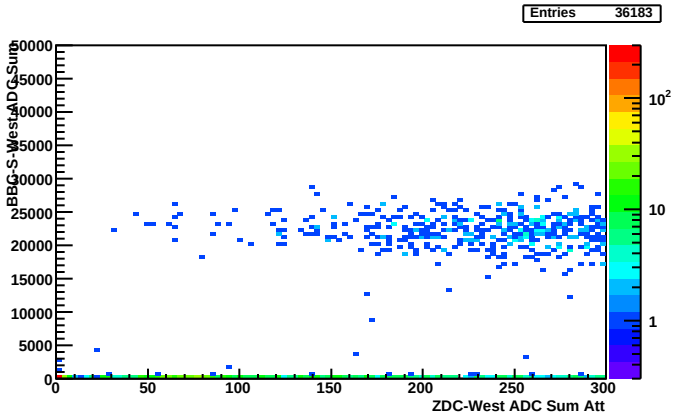

Entries 36183
BBC-L-East ADC Sum
BBC-S-East ADC Sum

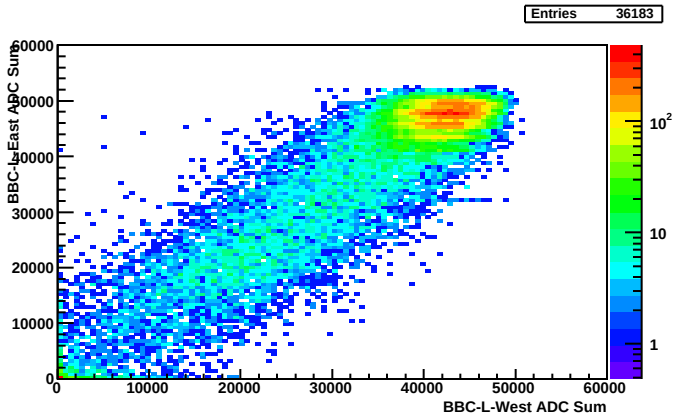

Entries 36183
BBC-L-West ADC Sum
BBC-S-West ADC Sum

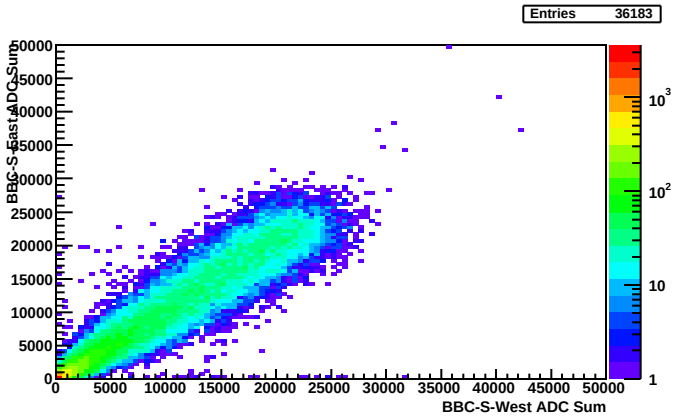

Entries 36183
BBC-L-East ADC Sum
ZDC-East ADC Sum Att

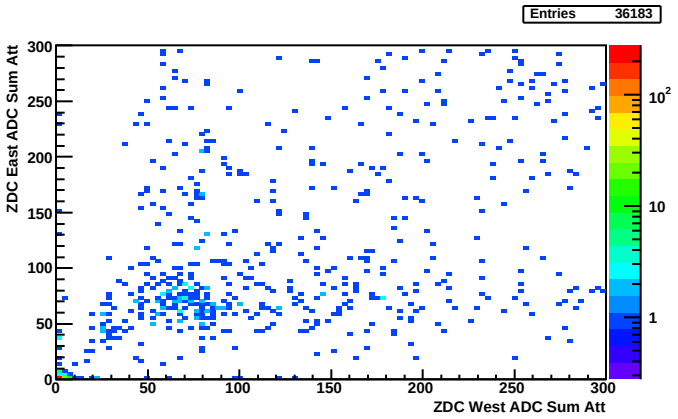

Entries 36183
BBC-L-West ADC Sum
ZDC-West ADC Sum Att

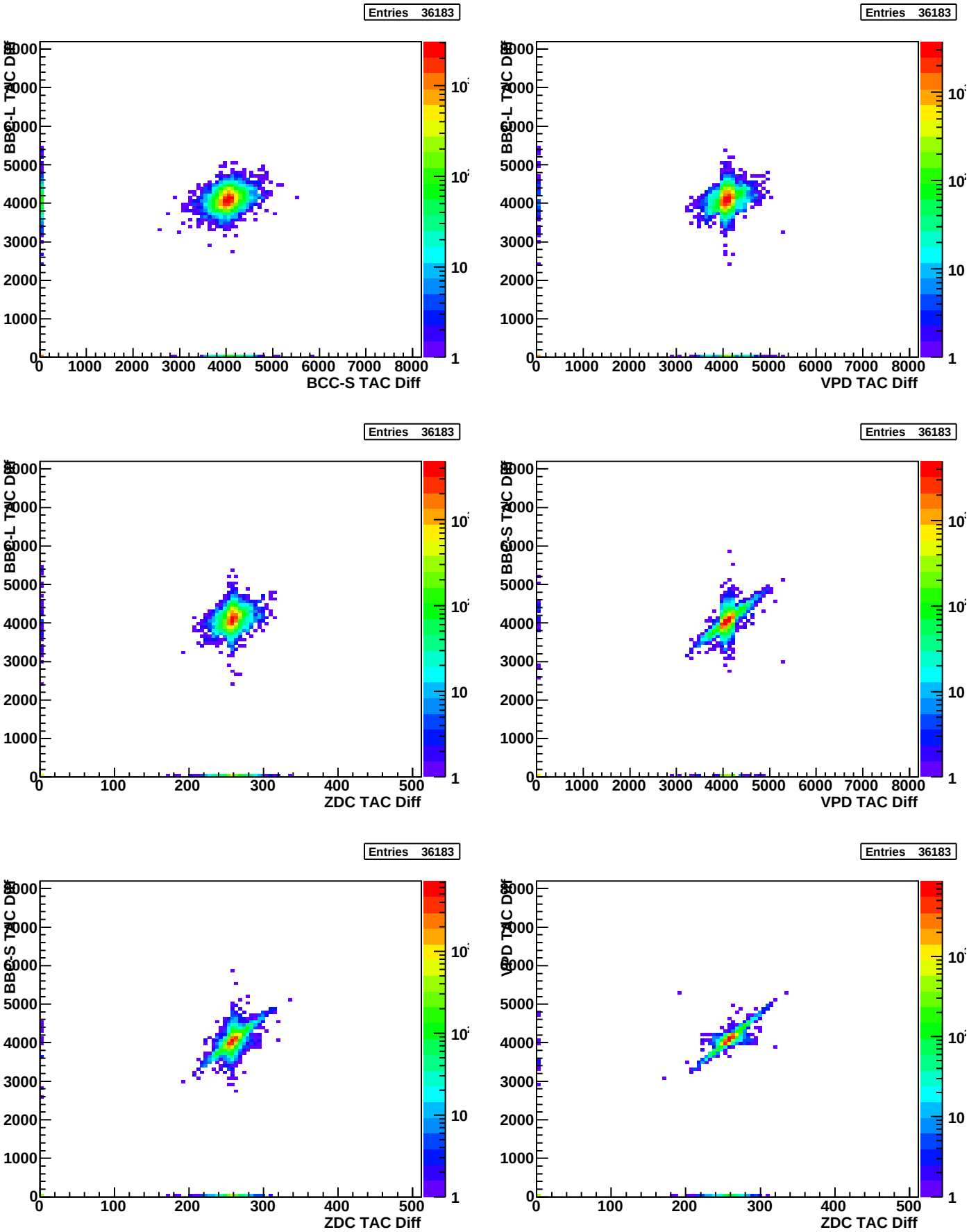

Entries 36183
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

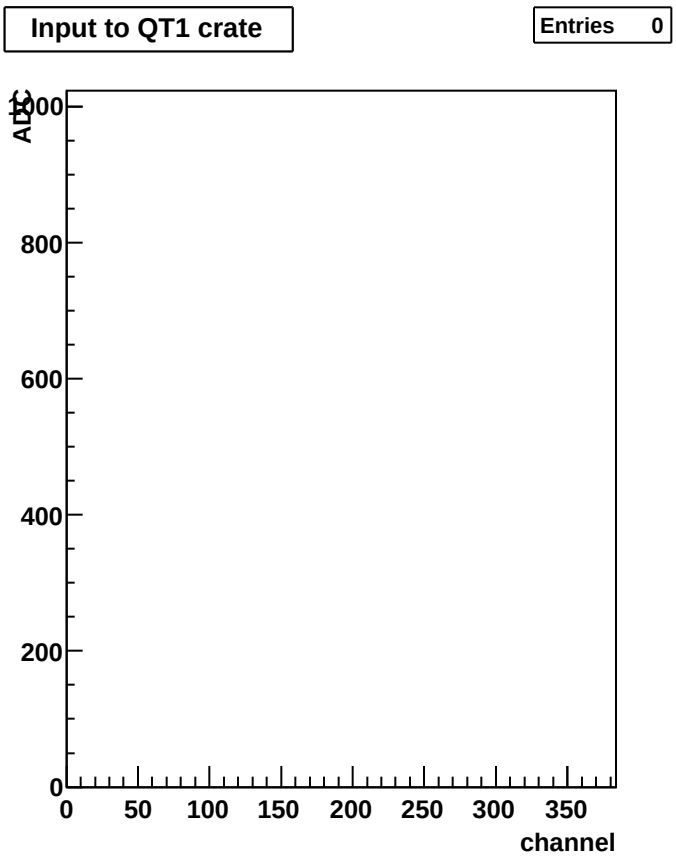

Entries 36183
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

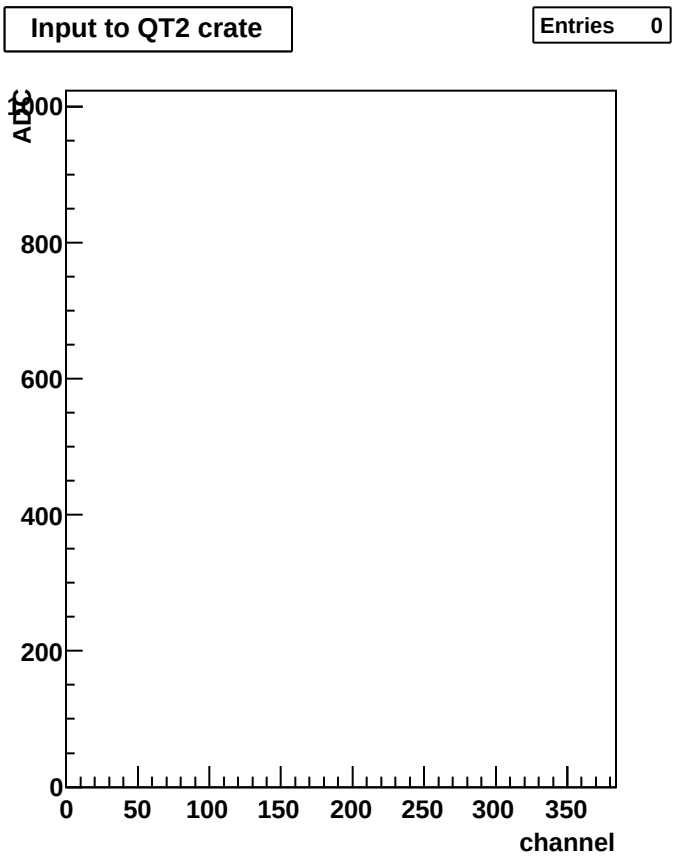

Entries 36183
BBC-L-East ADC Sum
BBC-L-West ADC Sum

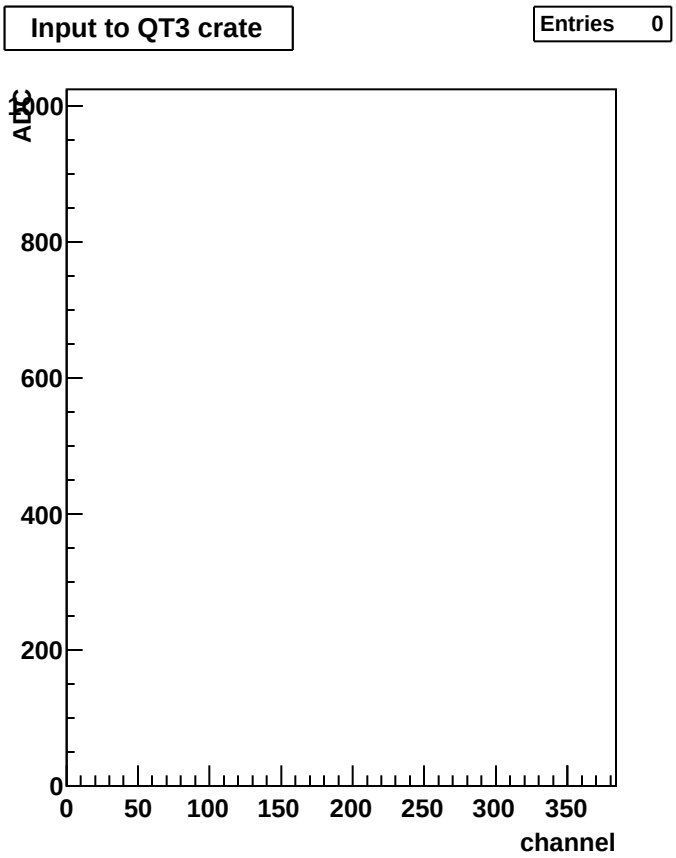

Entries 36183
BBC-S-East ADC Sum
BBC-S-West ADC Sum

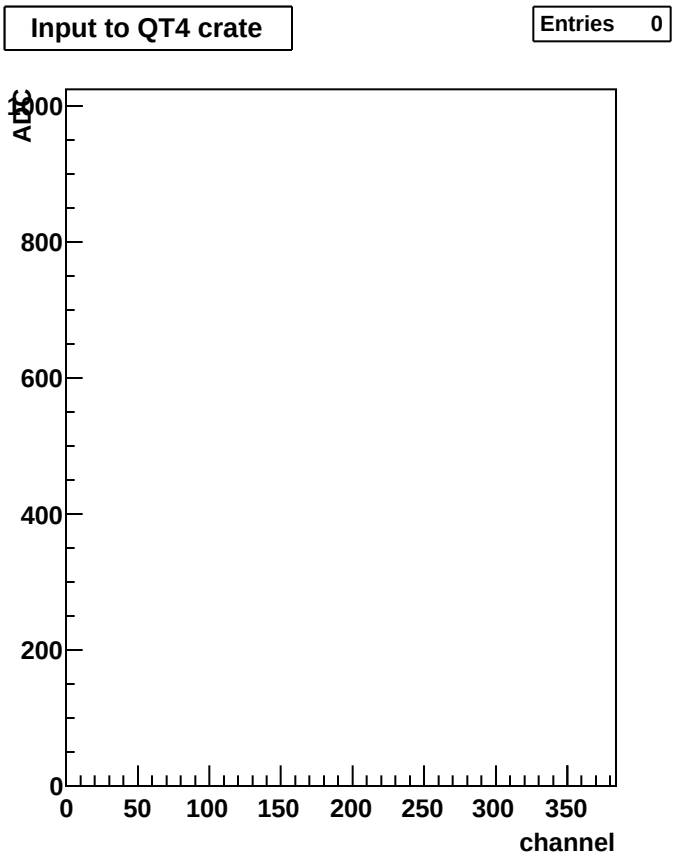

Entries 36183
ZDC East ADC Sum Att
ZDC West ADC Sum Att

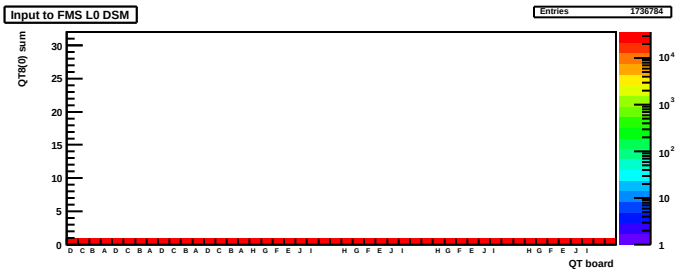

Entries 36183
BBC-L TAC Diff
BCC-S TAC Diff
VPD TAC Diff
ZDC TAC Diff
BBC-S TAC Diff
VPD TAC Diff

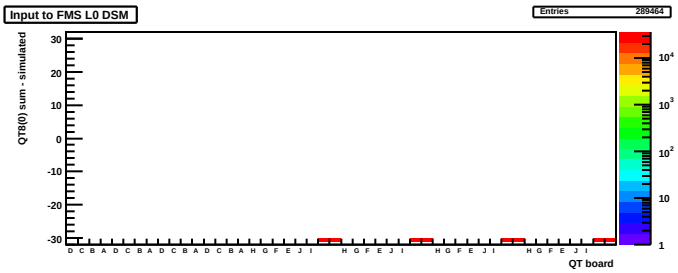

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

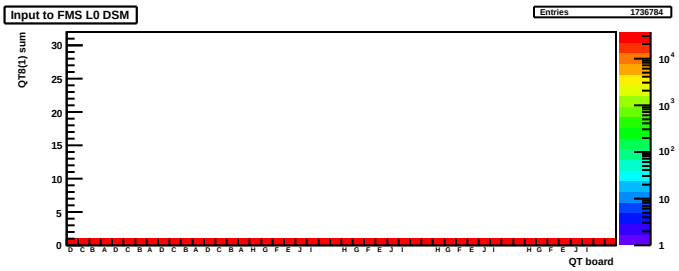

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

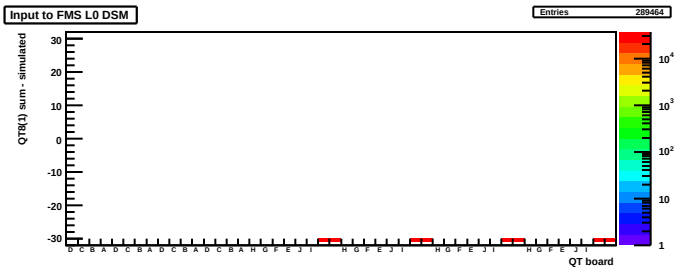

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

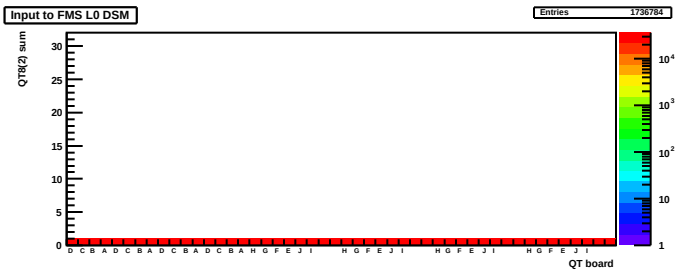

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

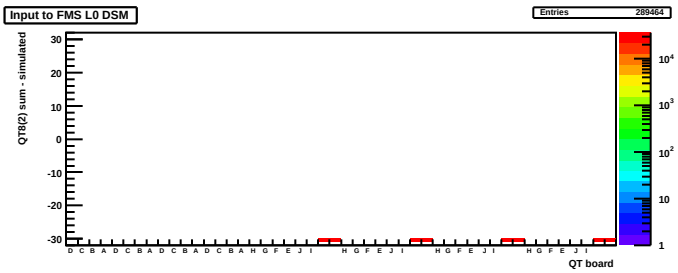

Input to FMS L0 DSM
Entries 1736784
QT8(0) sum
QT board

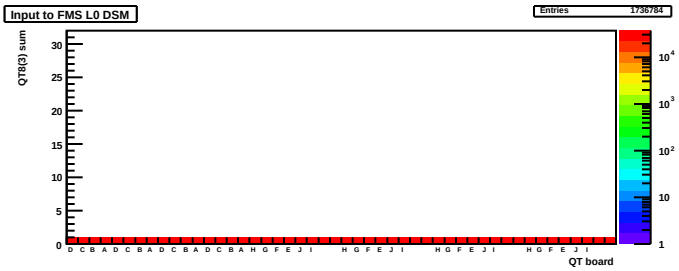

Input to FMS L0 DSM
Entries 289464
QT8(0) sum - simulated
QT board

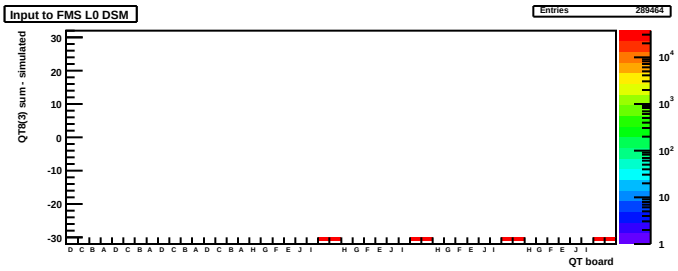

Input to FMS L0 DSM
Entries 1736784
QT8(1) sum
QT board

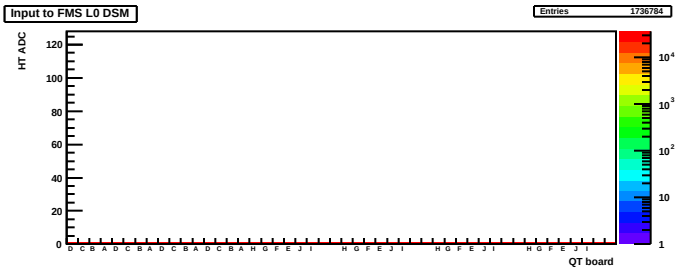

Input to FMS L0 DSM
Entries 289464
QT8(1) sum - simulated
QT board

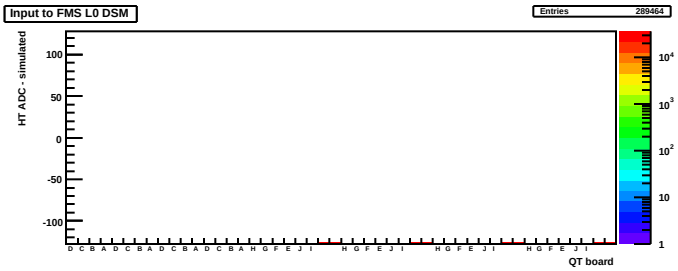

Input to FMS L0 DSM
Entries 1736784
QT8(2) sum
QT board

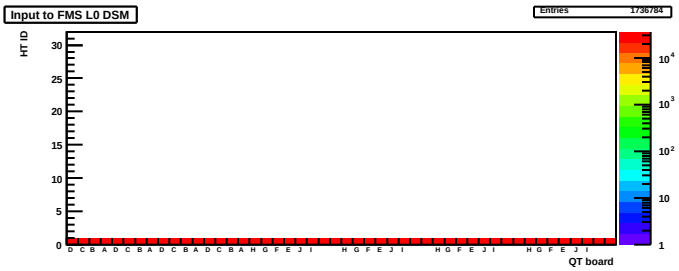

Input to FMS L0 DSM
Entries 289464
QT8(2) sum - simulated
QT board

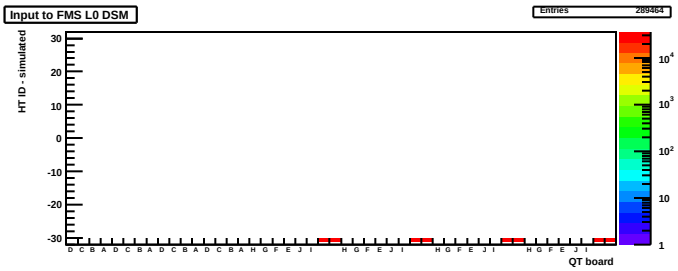

Input to FMS L0 DSM
Entries 1736784
QT8(3) sum
QT board

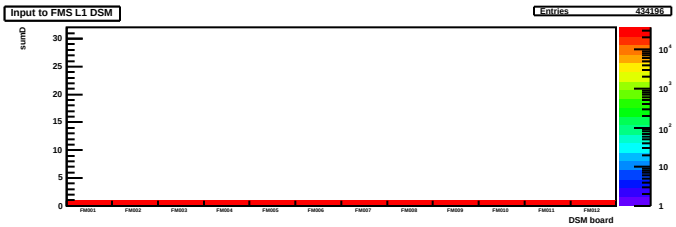

Input to FMS L0 DSM
Entries 289464
QT8(3) sum - simulated
QT board

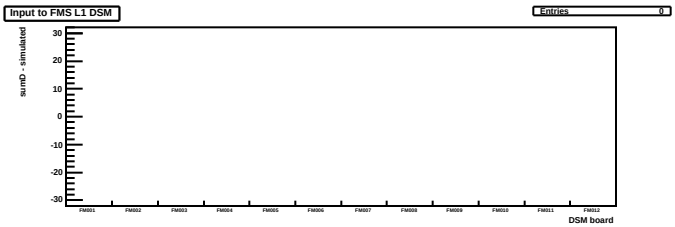

Input to FMS L0 DSM
Entries 1736784
HT ADC
QT board

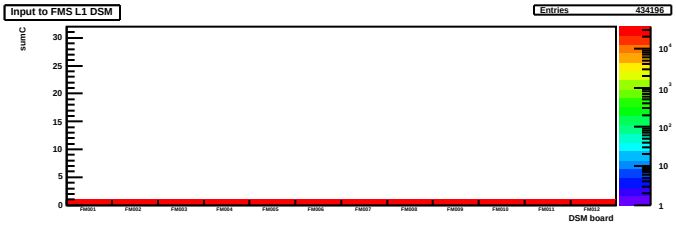

Input to FMS L0 DSM
Entries 289464
HT ADC - simulated
QT board

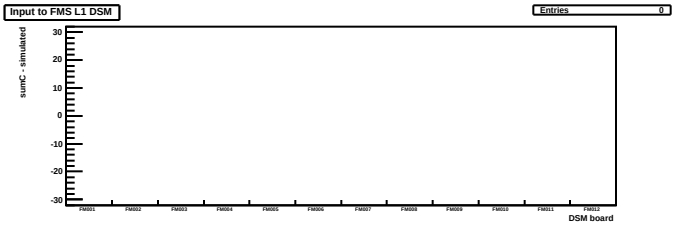

Input to FMS L0 DSM
Entries 1736784
HT ID
QT board

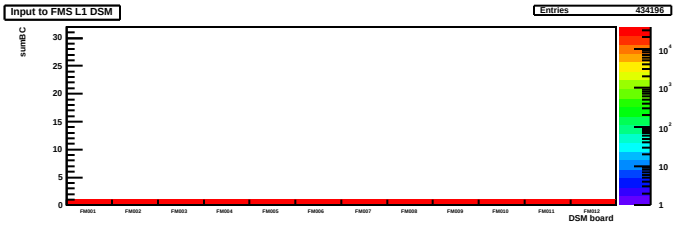

Input to FMS L0 DSM
Entries 289464
HT ID - simulated
QT board

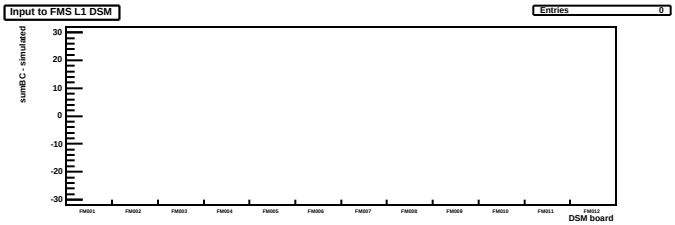

Input to FMS L1 DSM
Entries 434196
sumD
DSM board

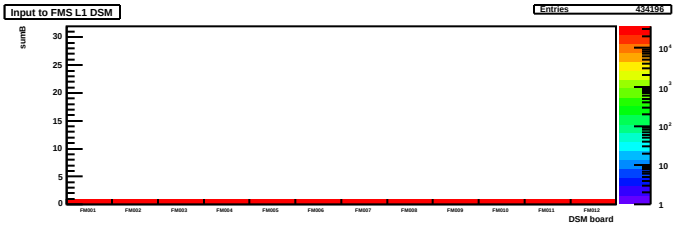

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

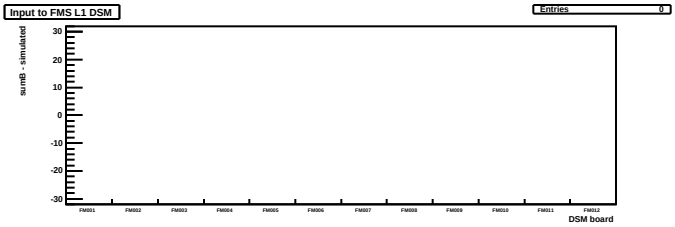

Input to FMS L1 DSM
Entries 434196
sumC
DSM board

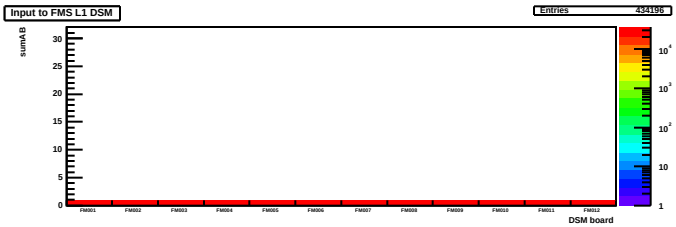

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

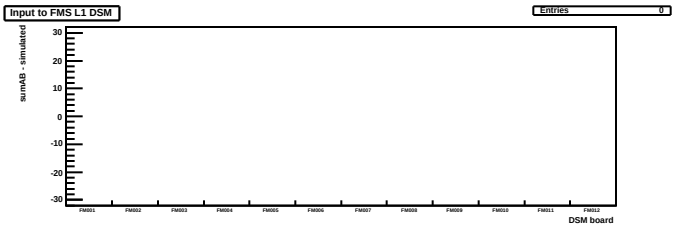

Input to FMS L1 DSM
Entries 434196
sumBC
DSM board

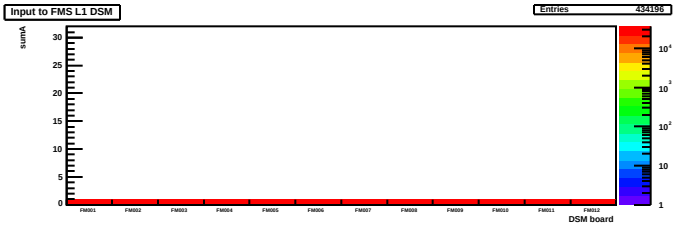

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

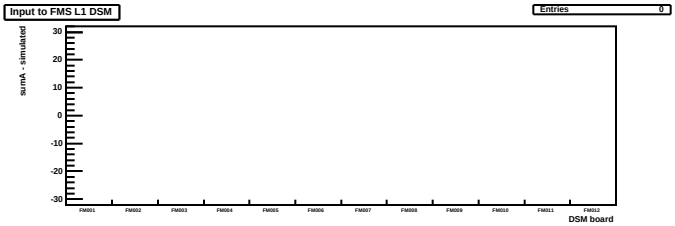

Input to FMS L1 DSM
Entries 434196
sumB
DSM board

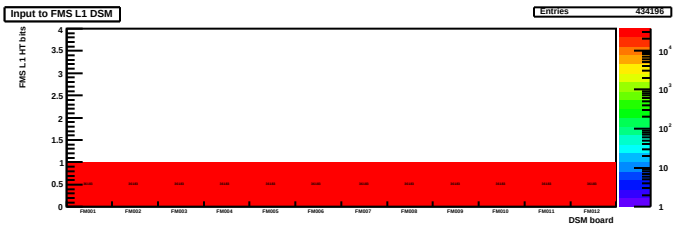

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

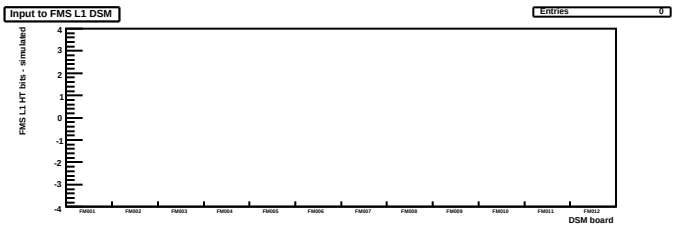

Input to FMS L1 DSM
Entries 434196
sumAB
DSM board

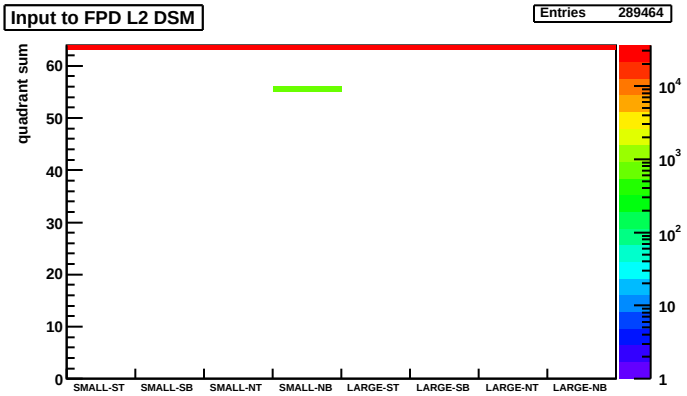

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

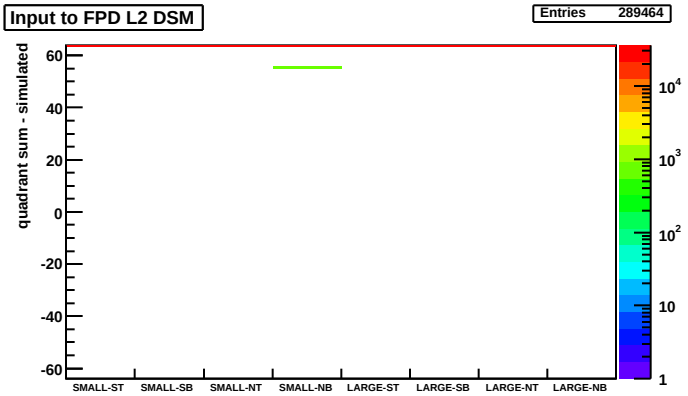

Input to FMS L1 DSM
Entries 434196
sumA
DSM board

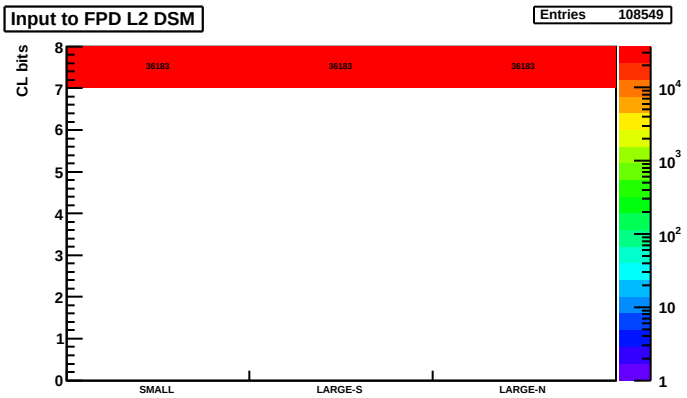

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

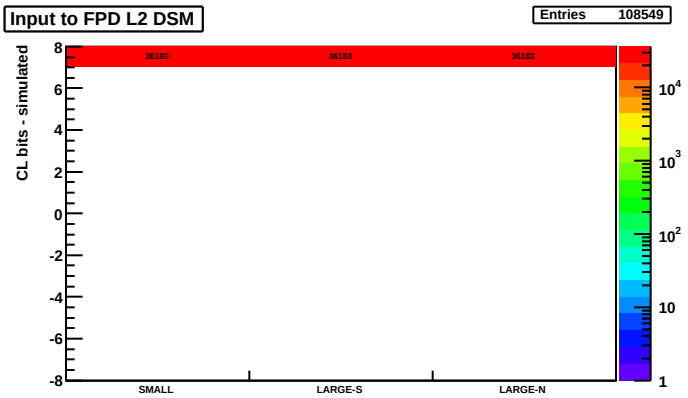

Input to FMS L1 DSM
Entries 434196
FMS L1 HT bits
DSM board

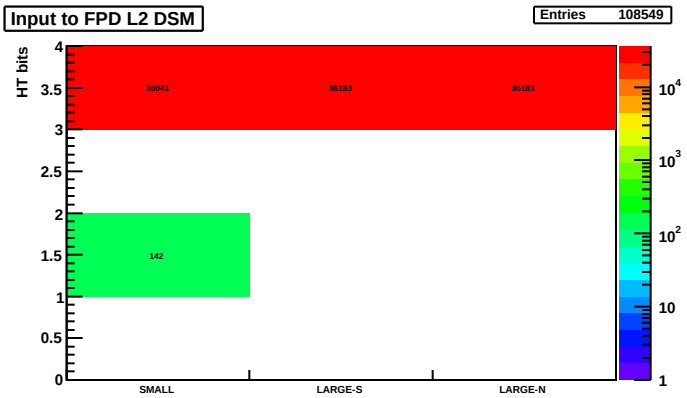

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

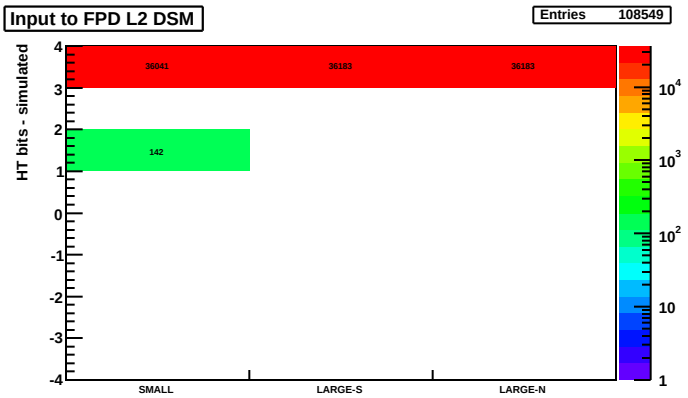

Input to FPD L2 DSM
Entries 289464
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

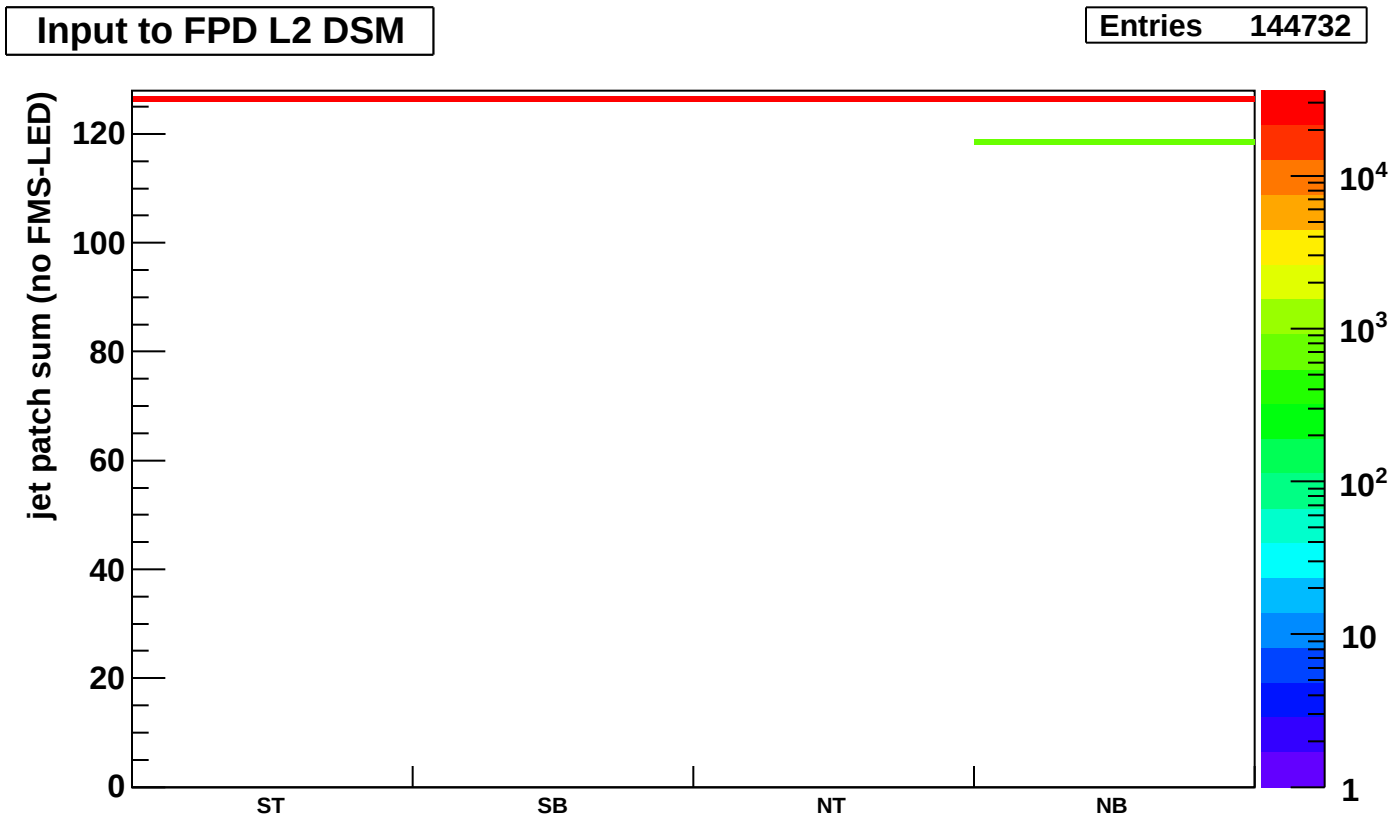

Input to FPD L2 DSM
Entries 289464
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

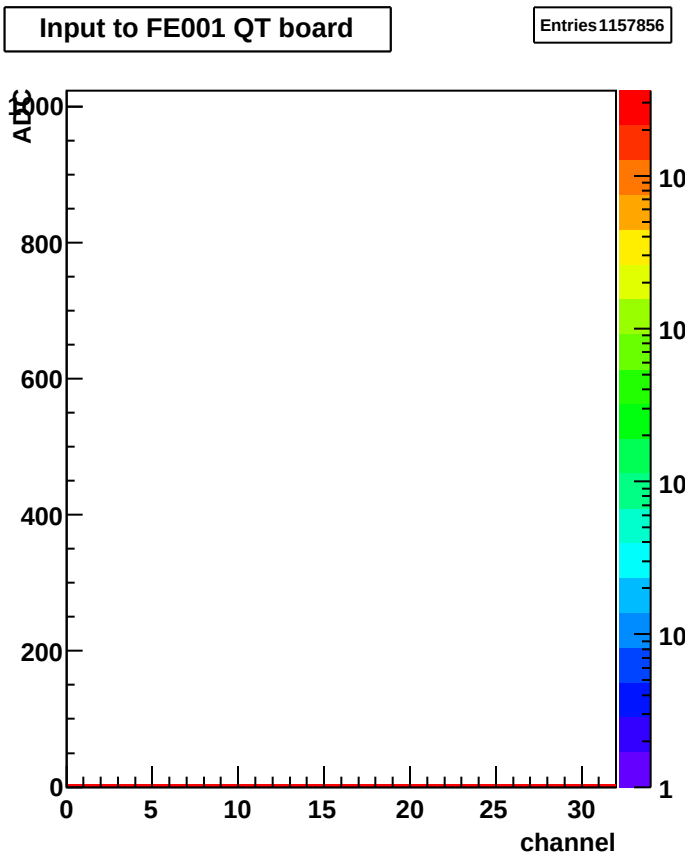

Input to FPD L2 DSM
Entries 108549
CL bits
36183
36183
36183
SMALL
LARGE-S
LARGE-N

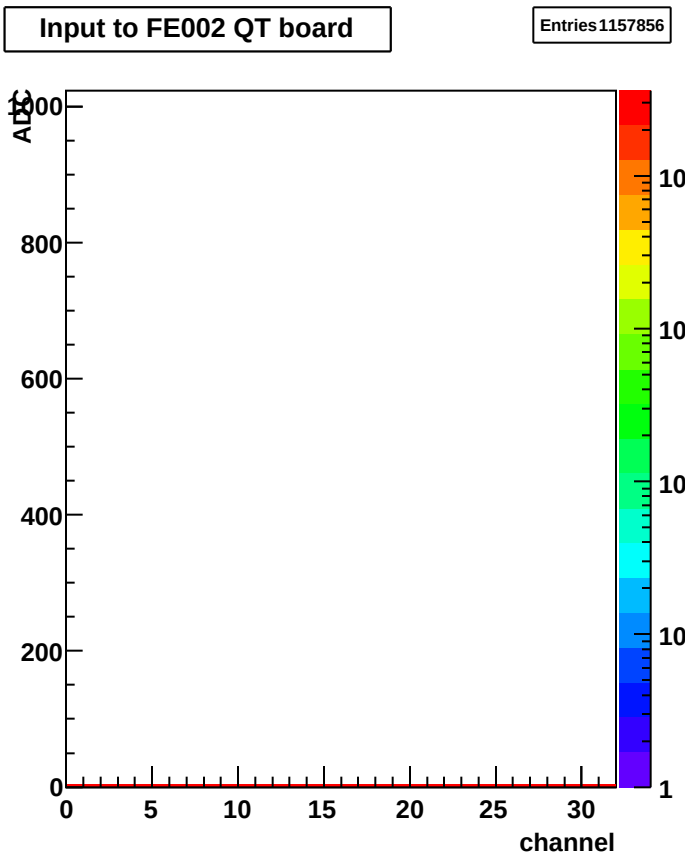

Input to FPD L2 DSM
Entries 108549
CL bits - simulated
36183
36183
36183
SMALL
LARGE-S
LARGE-N

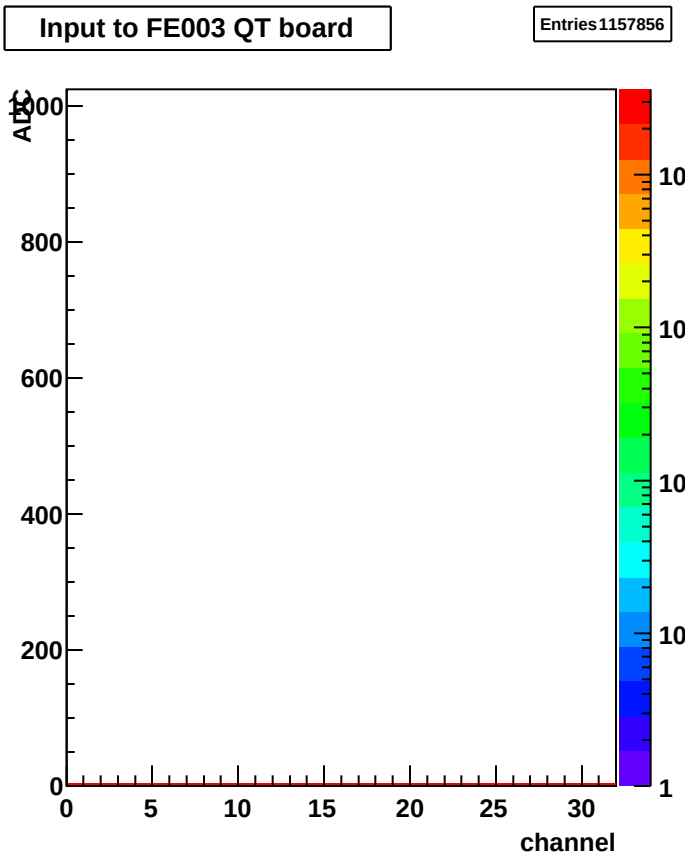

Input to FPD L2 DSM
Entries 108549
HT bits
36041
36183
36183
142
SMALL
LARGE-S
LARGE-N

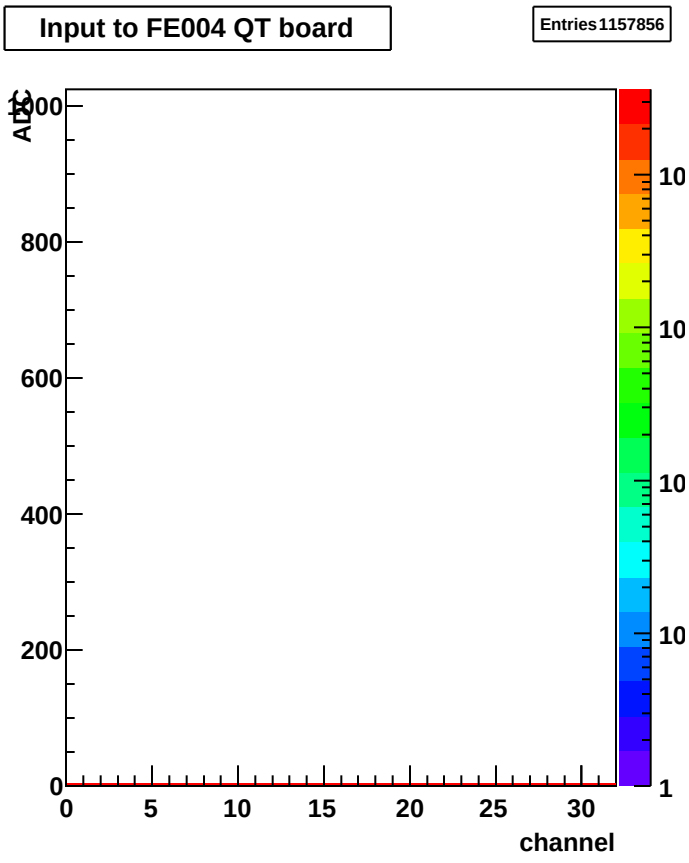

Input to FPD L2 DSM
Entries 108549
HT bits - simulated
36041
36183
36183
142
SMALL
LARGE-S
LARGE-N

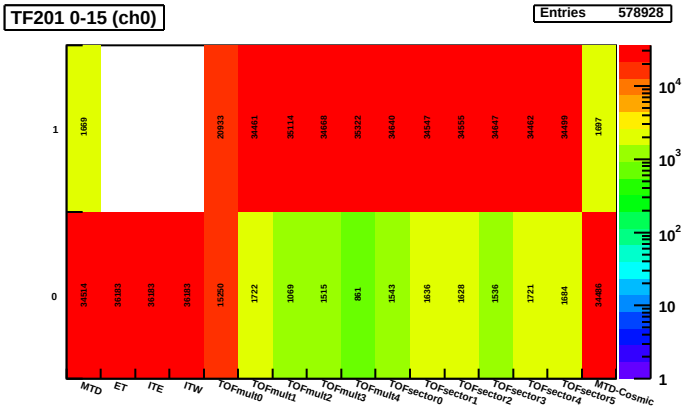

Input to FPD L2 DSM
Entries 144732
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4

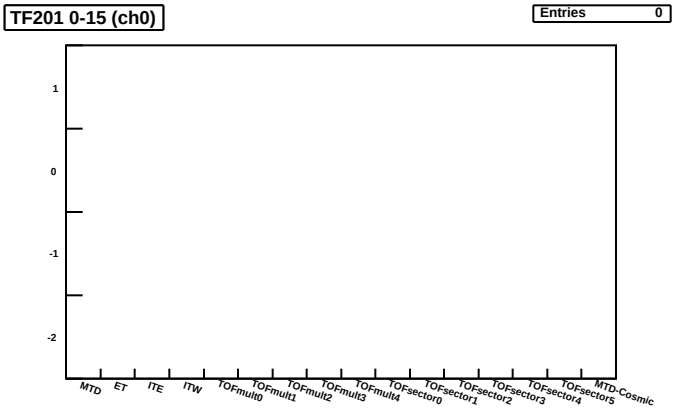

Input to FE001 QT board
Entries 1157856
ADC
channel

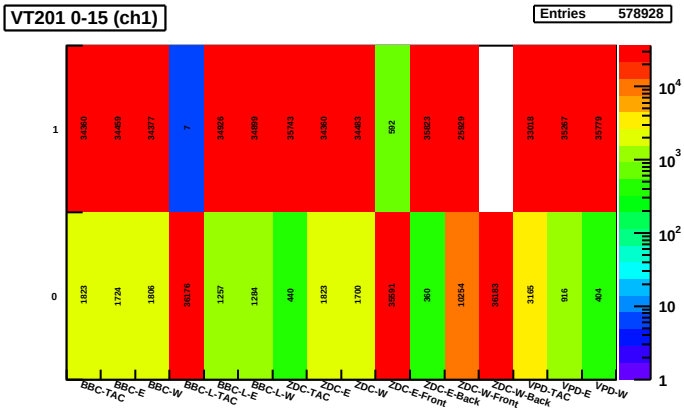

Input to FE002 QT board
Entries 1157856
ADC
channel

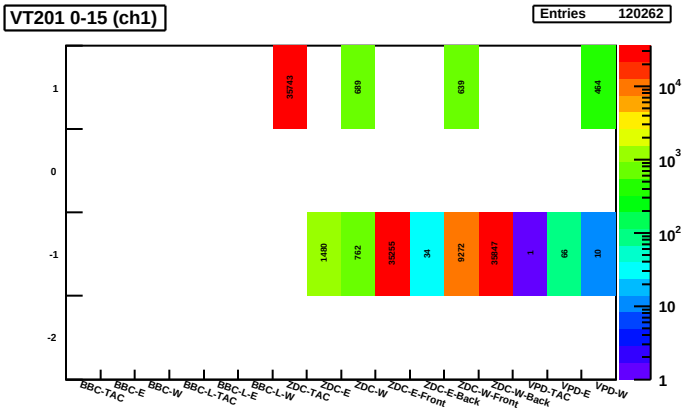

Input to FE003 QT board
Entries 1157856
ADC
channel

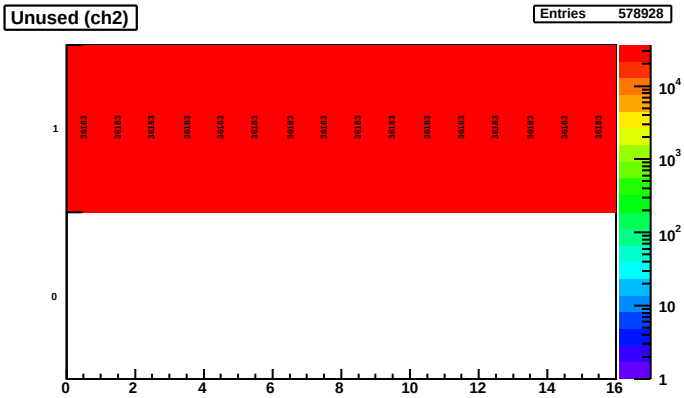

Input to FE004 QT board
Entries 1157856
ADC
channel

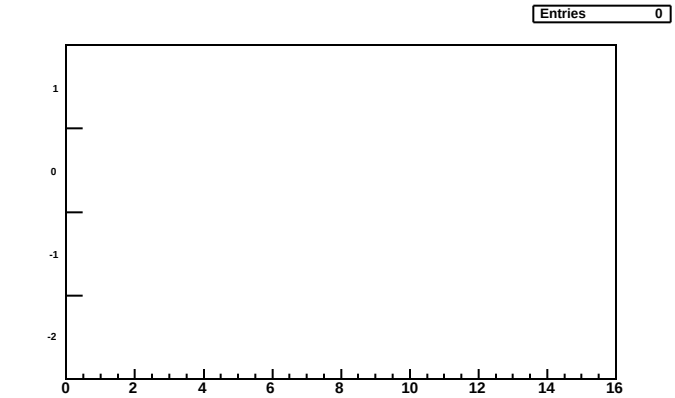

TF201 0-15 (ch0)
Entries 578928
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

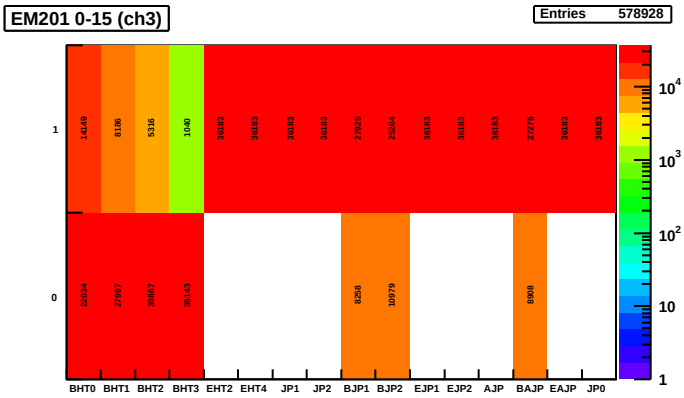

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

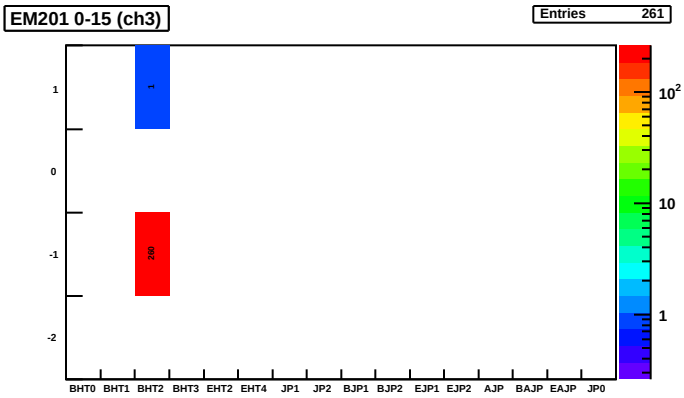

VT201 0-15 (ch1)
Entries 578928
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 120262
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

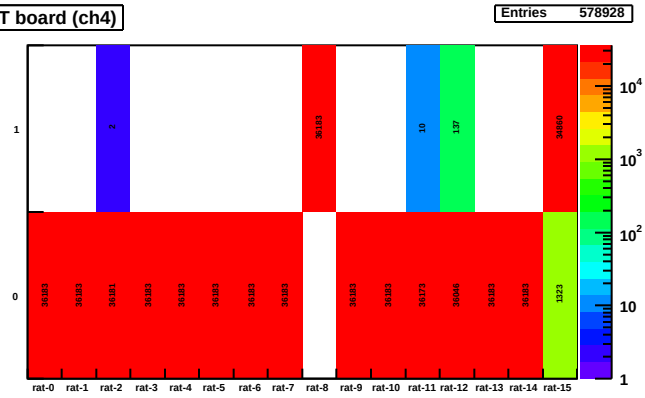

Unused (ch2)
Entries 578928

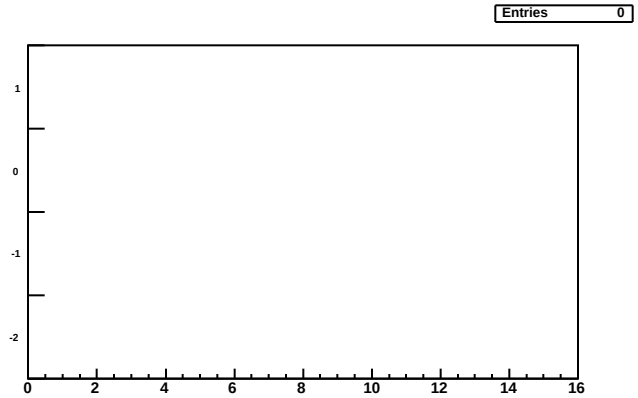

Entries 0


EM201 0-15 (ch3)
Entries 578928
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

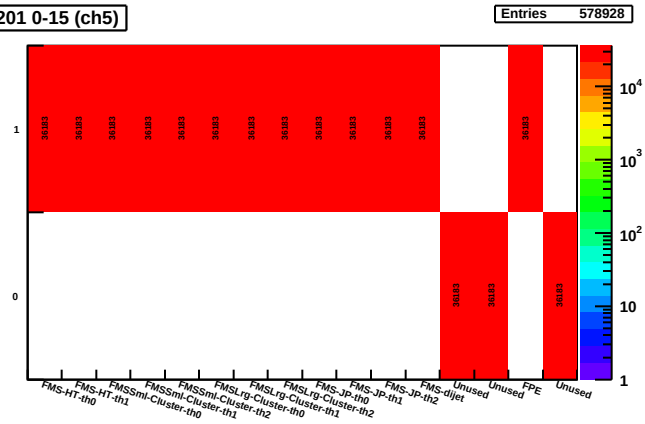

EM201 0-15 (ch3)
Entries 261
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

RAT board (ch4)

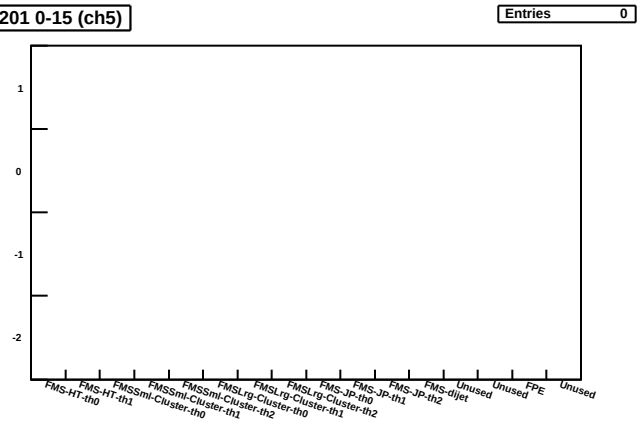




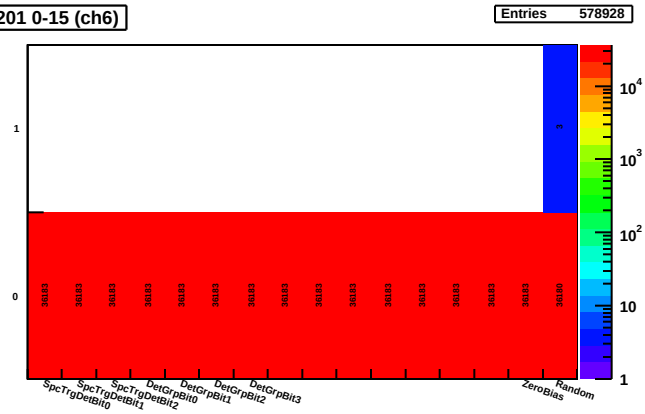
FP201 0-15 (ch5)

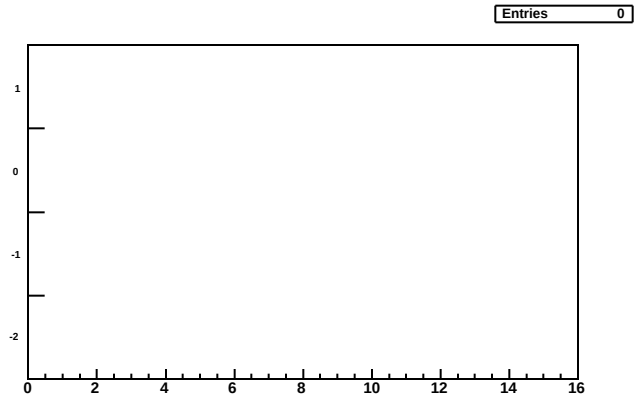
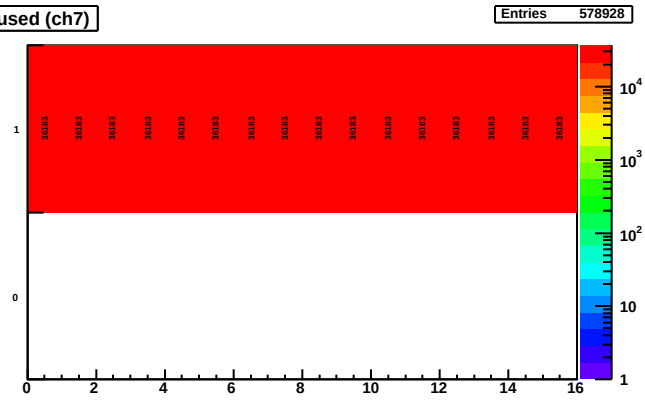
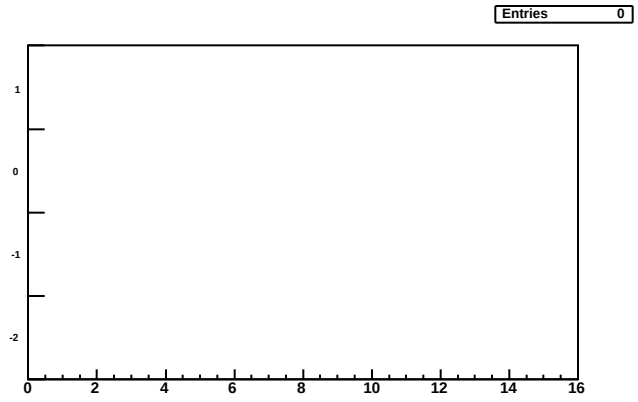


FP201 0-15 (ch5)



ST201 0-15 (ch6)





Unused (ch7)