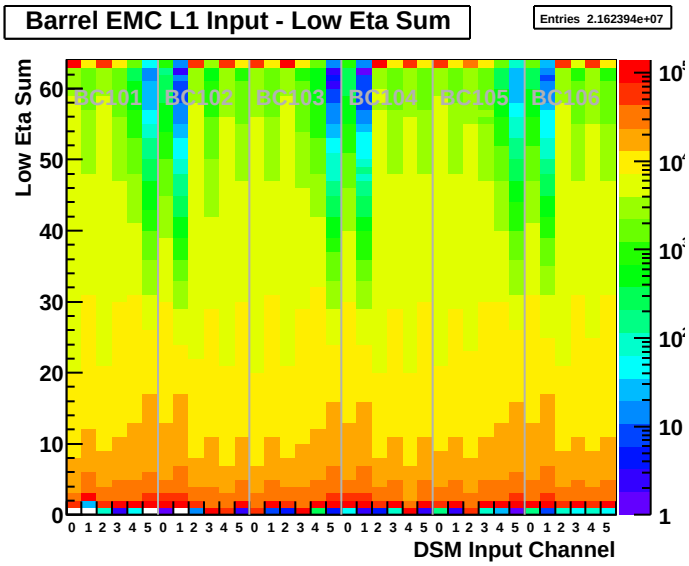
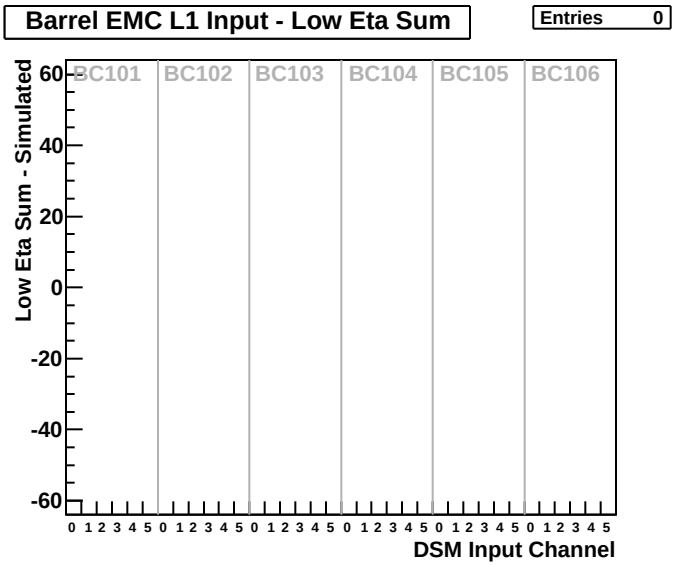
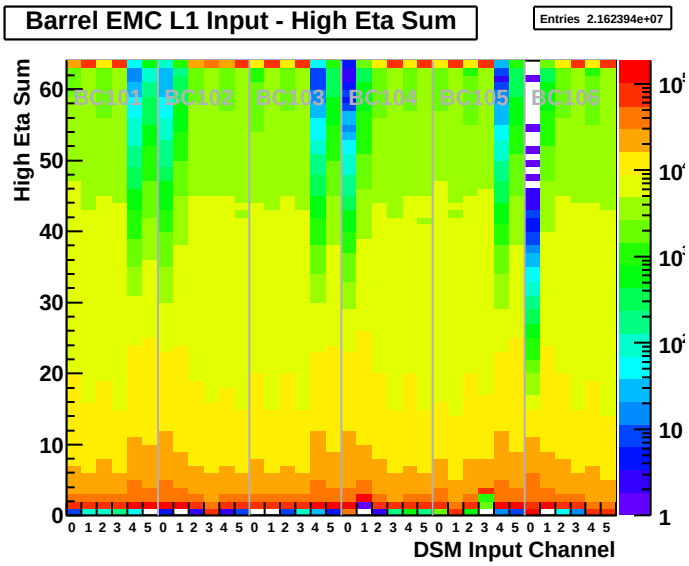
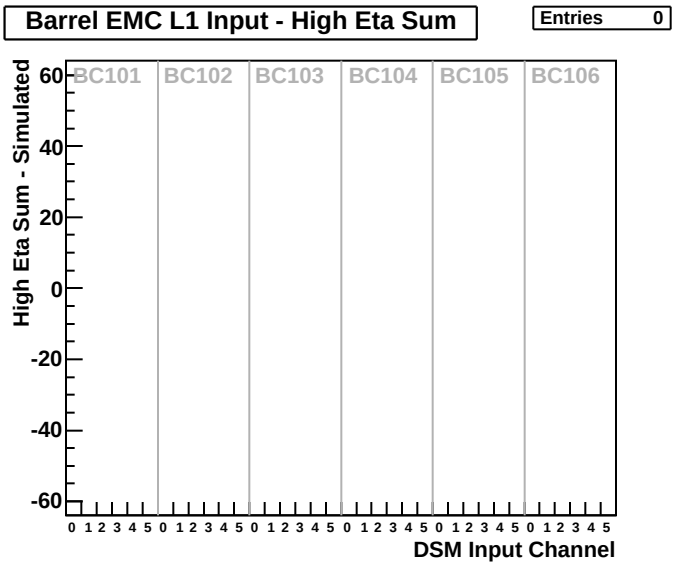
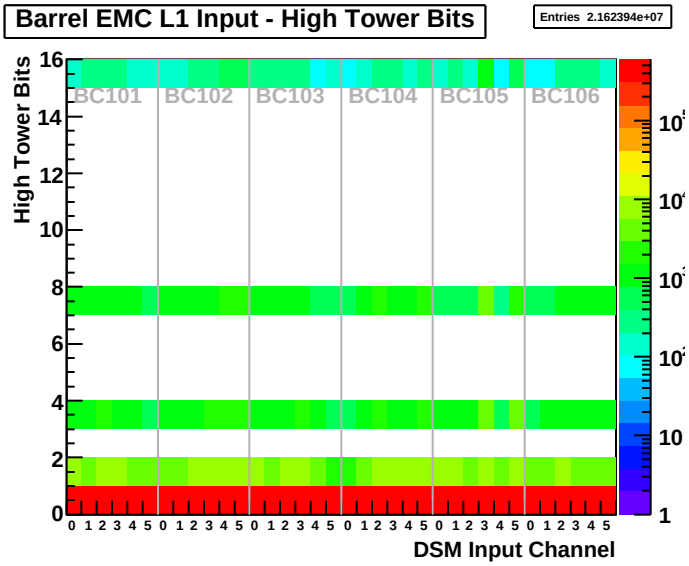
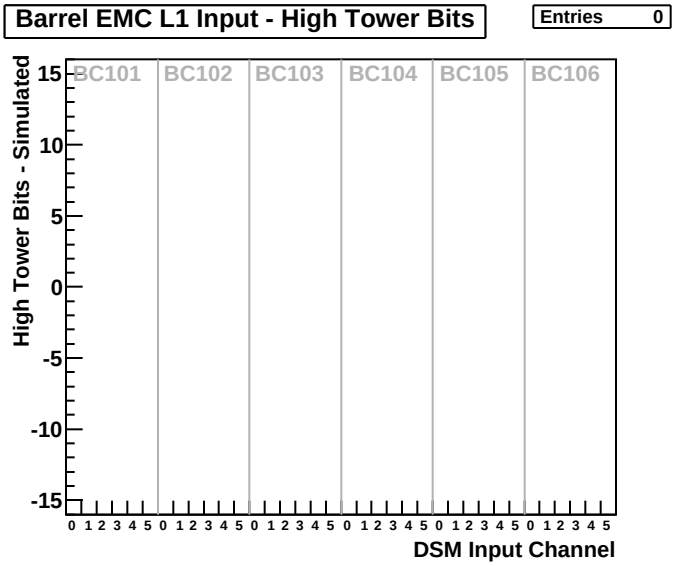

Barrel EMC L1 Input - Low Eta Sum
Entries 2.162394e+07
Low Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

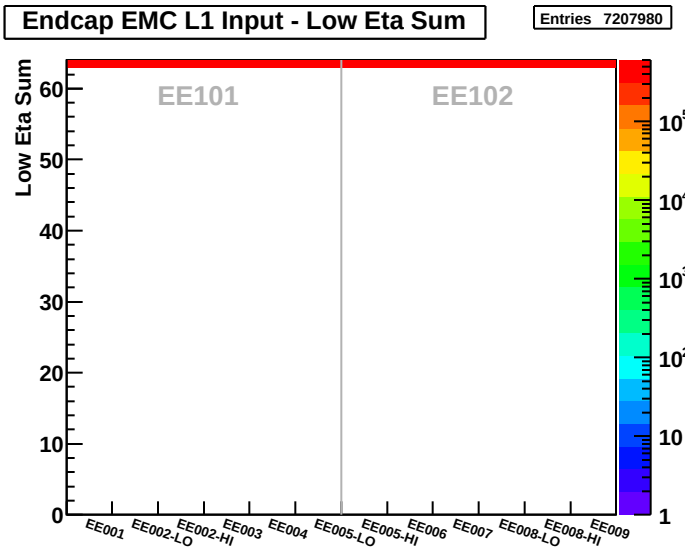

Barrel EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

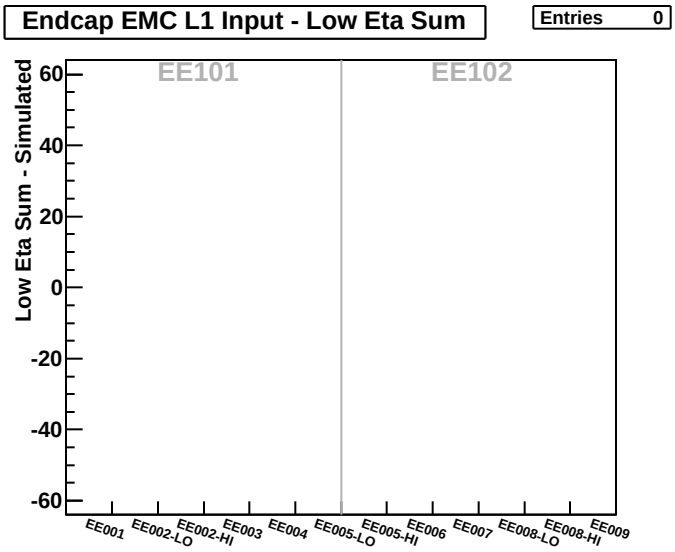

Barrel EMC L1 Input - High Eta Sum
Entries 2.162394e+07
High Eta Sum
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

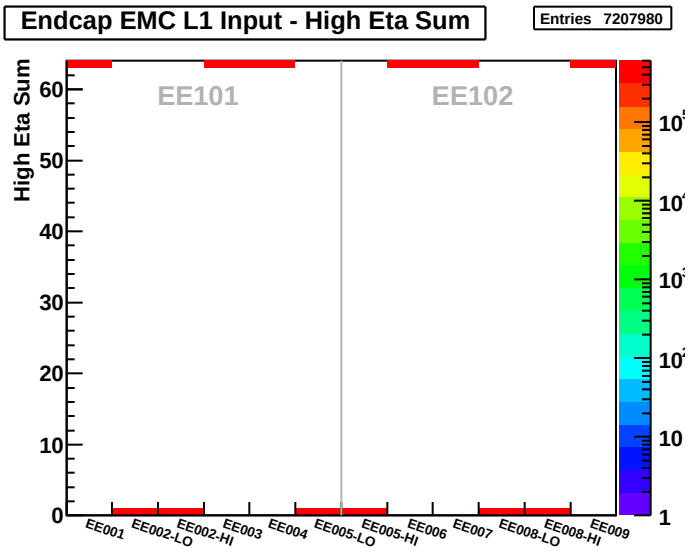

Barrel EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

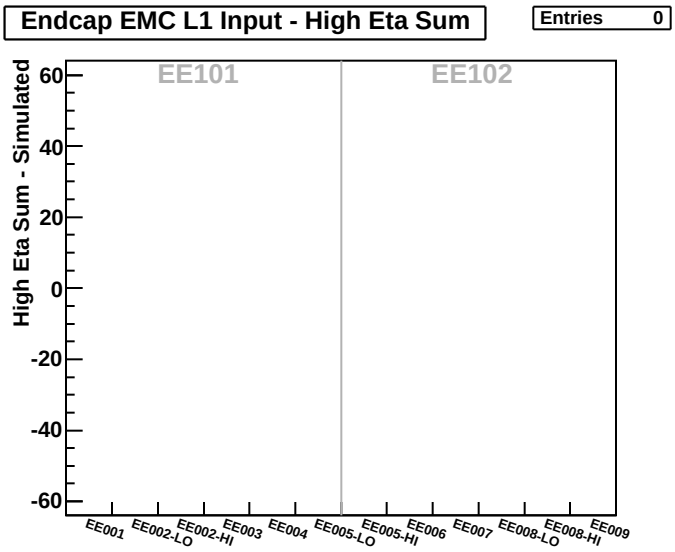

Barrel EMC L1 Input - High Tower Bits
Entries 2.162394e+07
High Tower Bits
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

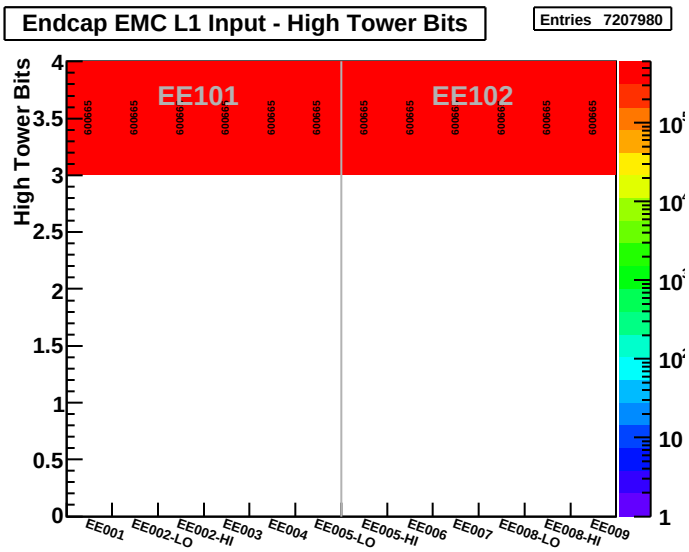

Barrel EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
BC101
BC102
BC103
BC104
BC105
BC106
DSM Input Channel

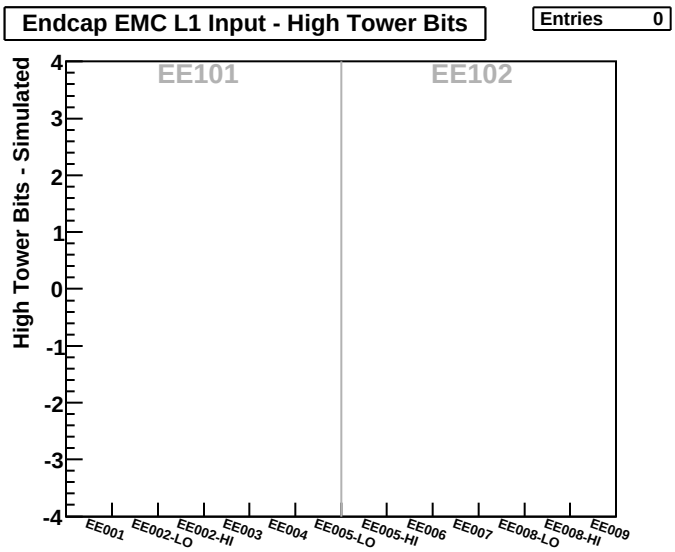

Endcap EMC L1 Input - Low Eta Sum
Entries 7207980
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

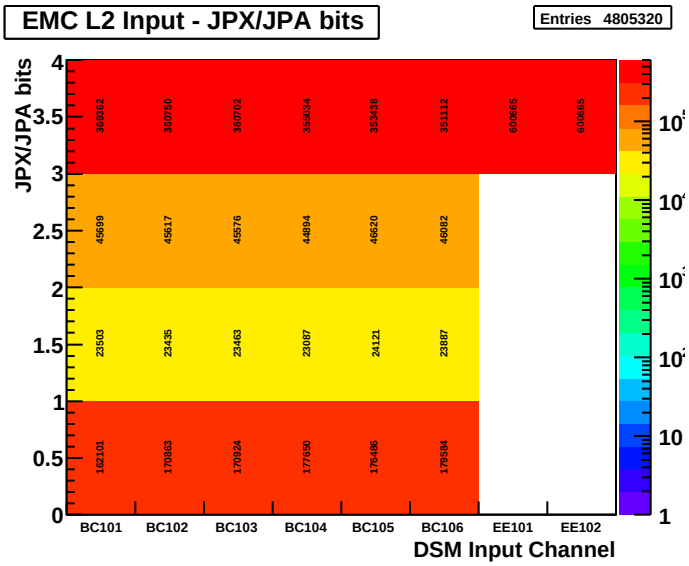

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

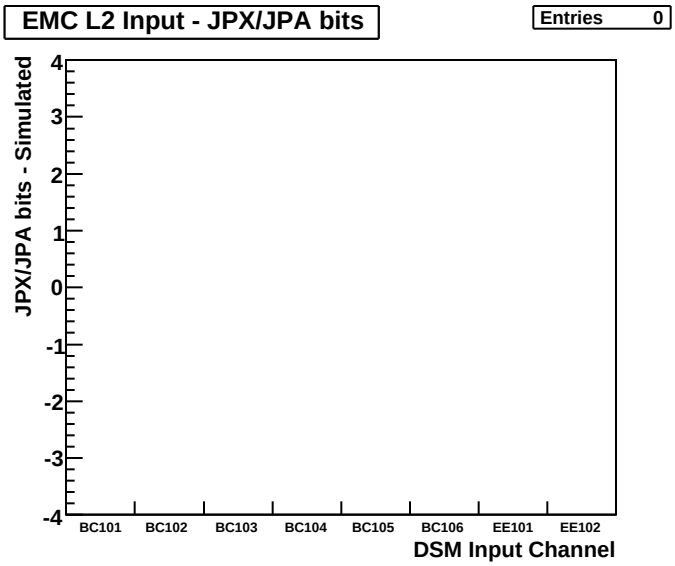

Endcap EMC L1 Input - High Eta Sum
Entries 7207980
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

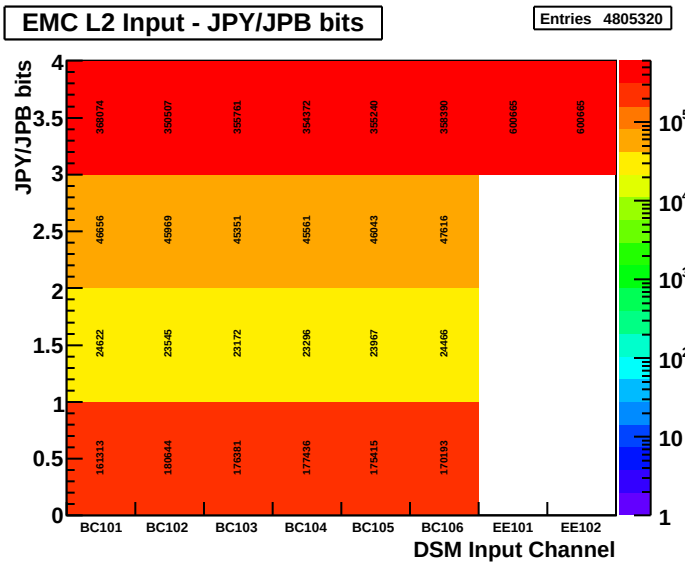

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

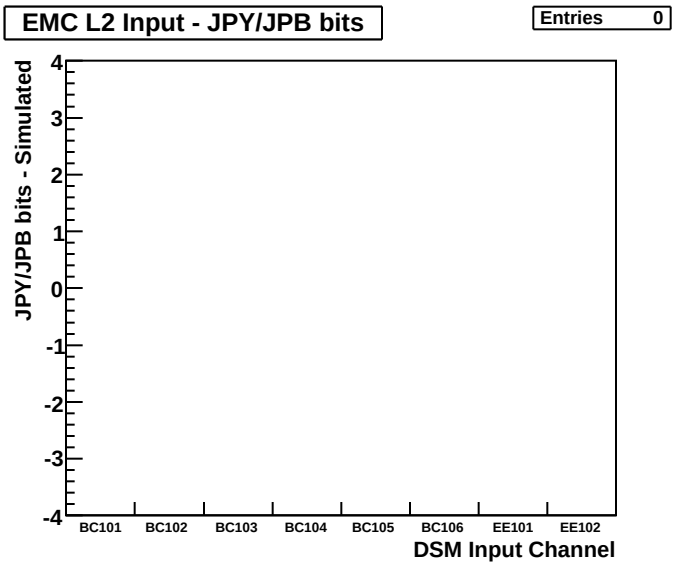

Endcap EMC L1 Input - High Tower Bits
Entries 7207980
High Tower Bits
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

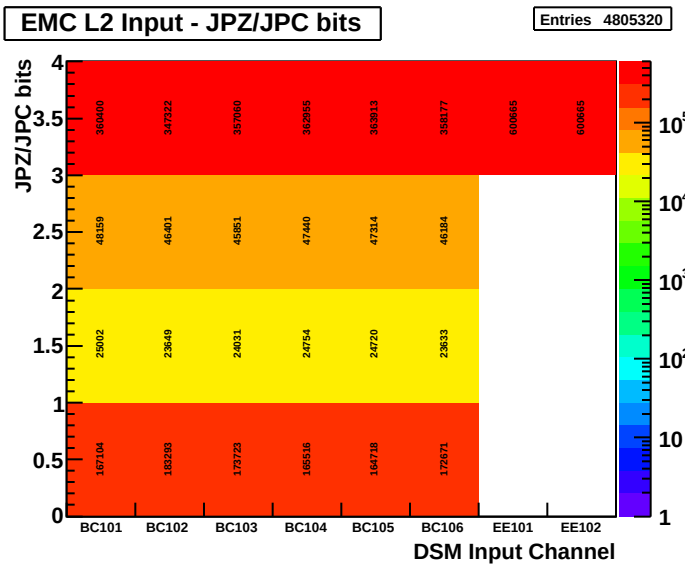

Endcap EMC L1 Input - High Tower Bits
Entries 0
High Tower Bits - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

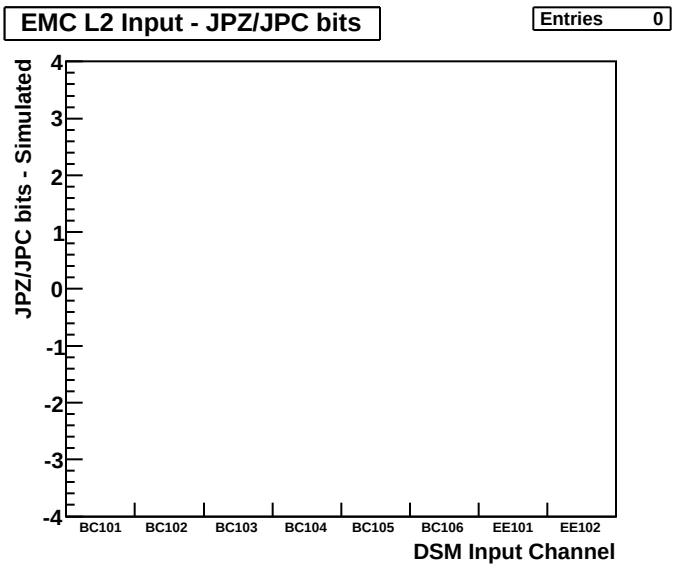

EMC L2 Input - JPX/JPA bits
Entries 4805320
JPX/JPA bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
365962 360750 360702 355034 353438 351112 600665 600665
45699 45617 45576 44894 46620 46092
23503 23435 23463 23067 24121 23887
162101 170863 170924 177650 176486 179584

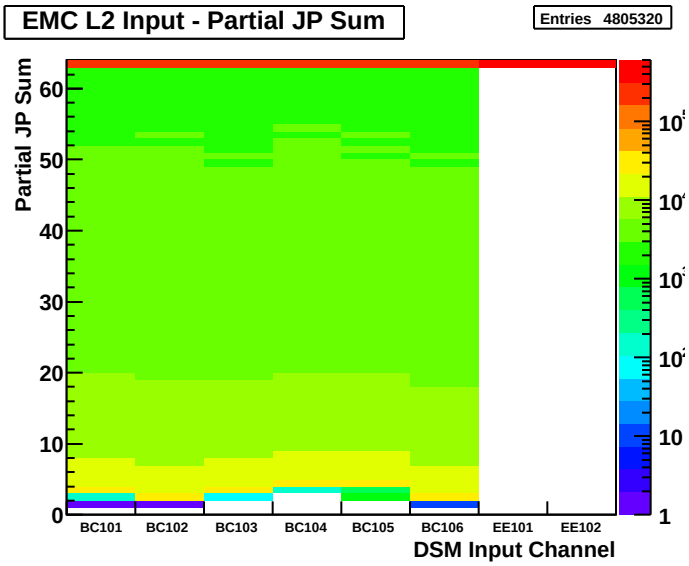

EMC L2 Input - JPX/JPA bits
Entries 0
JPX/JPA bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

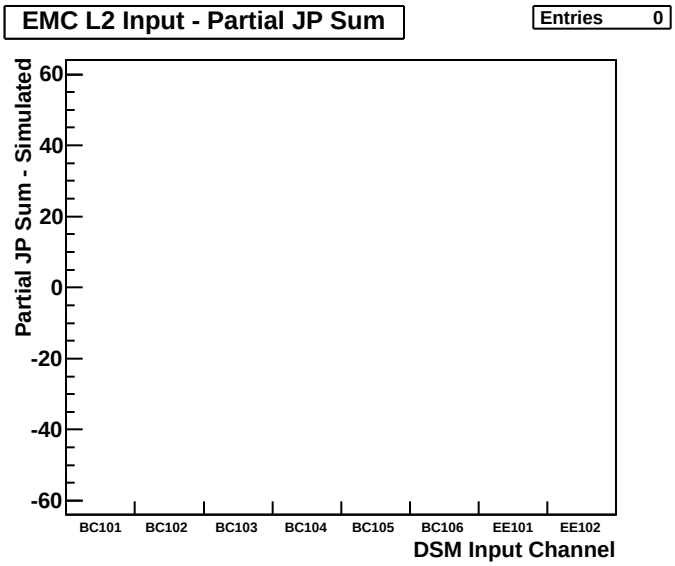

EMC L2 Input - JPY/JPB bits
Entries 4805320
JPY/JPB bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
368074 350507 355761 354372 355240 358390 600665 600665
46656 45969 45351 45561 46043 47616
24622 23545 23172 23296 23967 24466
161313 180644 176381 177436 175415 170193

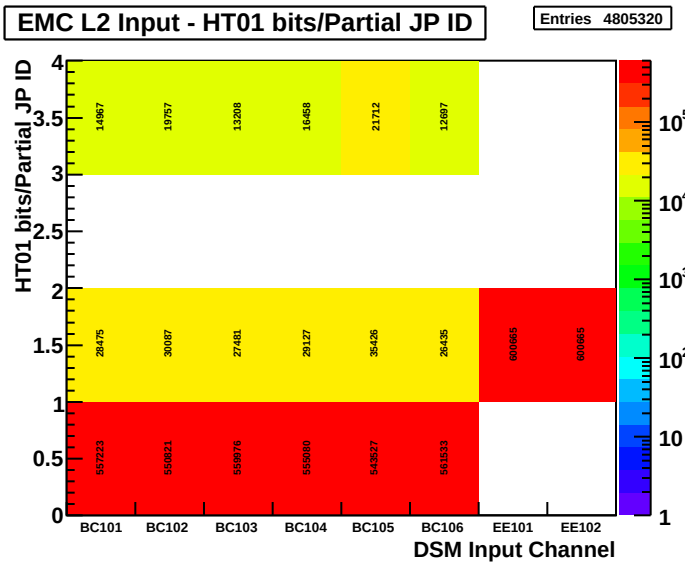

EMC L2 Input - JPY/JPB bits
Entries 0
JPY/JPB bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

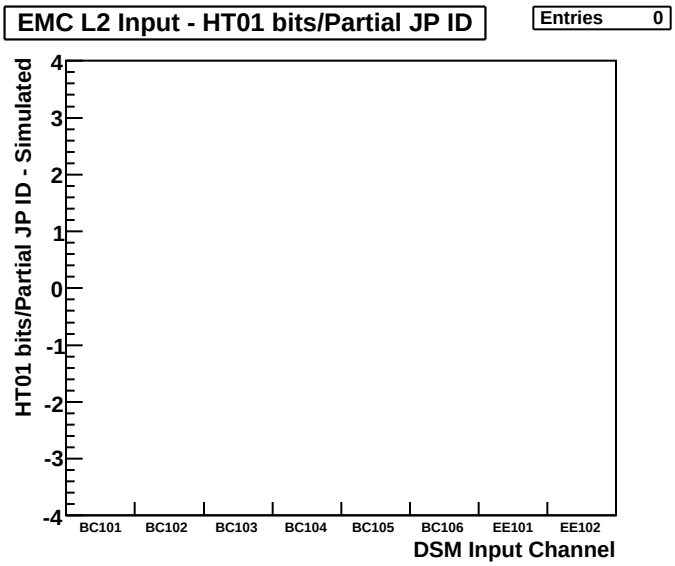

EMC L2 Input - JPZ/JPC bits
Entries 4805320
JPZ/JPC bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102
360400 347322 357060 362355 363913 358177 600665 600665
48159 46401 45851 47440 47314 46184
25002 23649 24031 24754 24720 23633
167104 183293 173723 165516 164718 172671

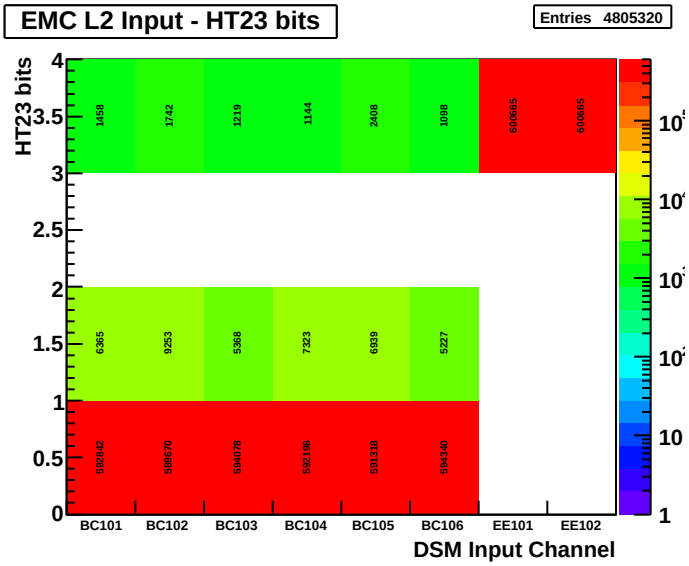

EMC L2 Input - JPZ/JPC bits
Entries 0
JPZ/JPC bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

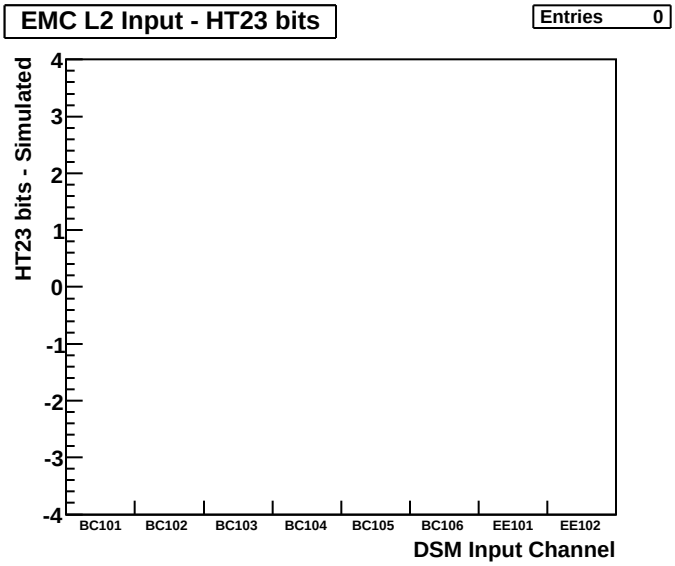

EMC L2 Input - Partial JP Sum
Entries 4805320
Partial JP Sum
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

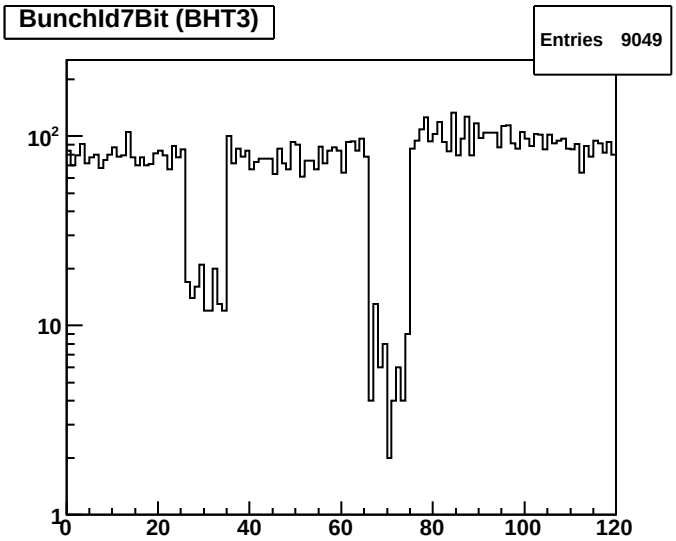

EMC L2 Input - Partial JP Sum
Entries 0
Partial JP Sum - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

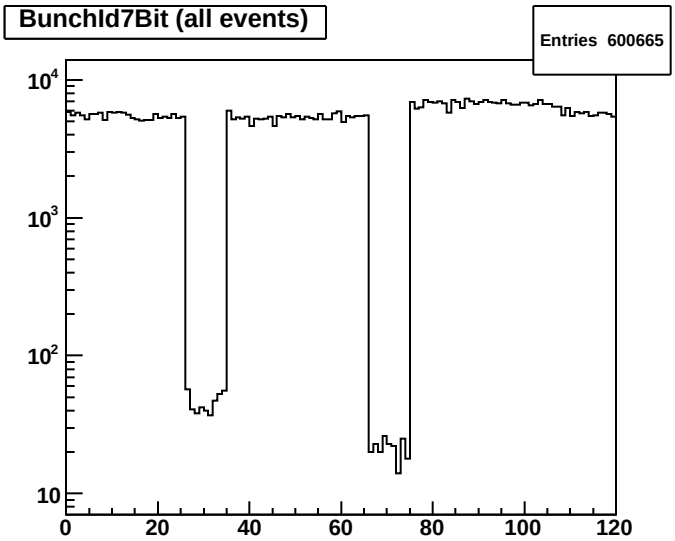

EMC L2 Input - HT01 bits/Partial JP ID
Entries 4805320
HT01 bits/Partial JP ID
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

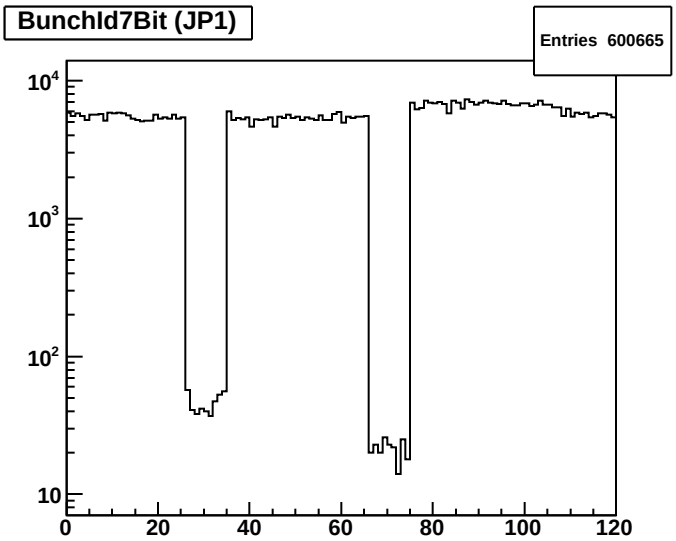

EMC L2 Input - HT01 bits/Partial JP ID
Entries 0
HT01 bits/Partial JP ID - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

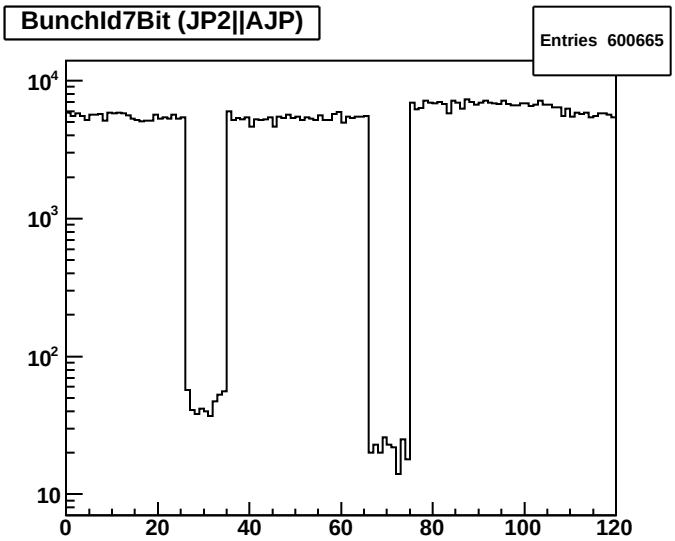

EMC L2 Input - HT23 bits
Entries 4805320
HT23 bits
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

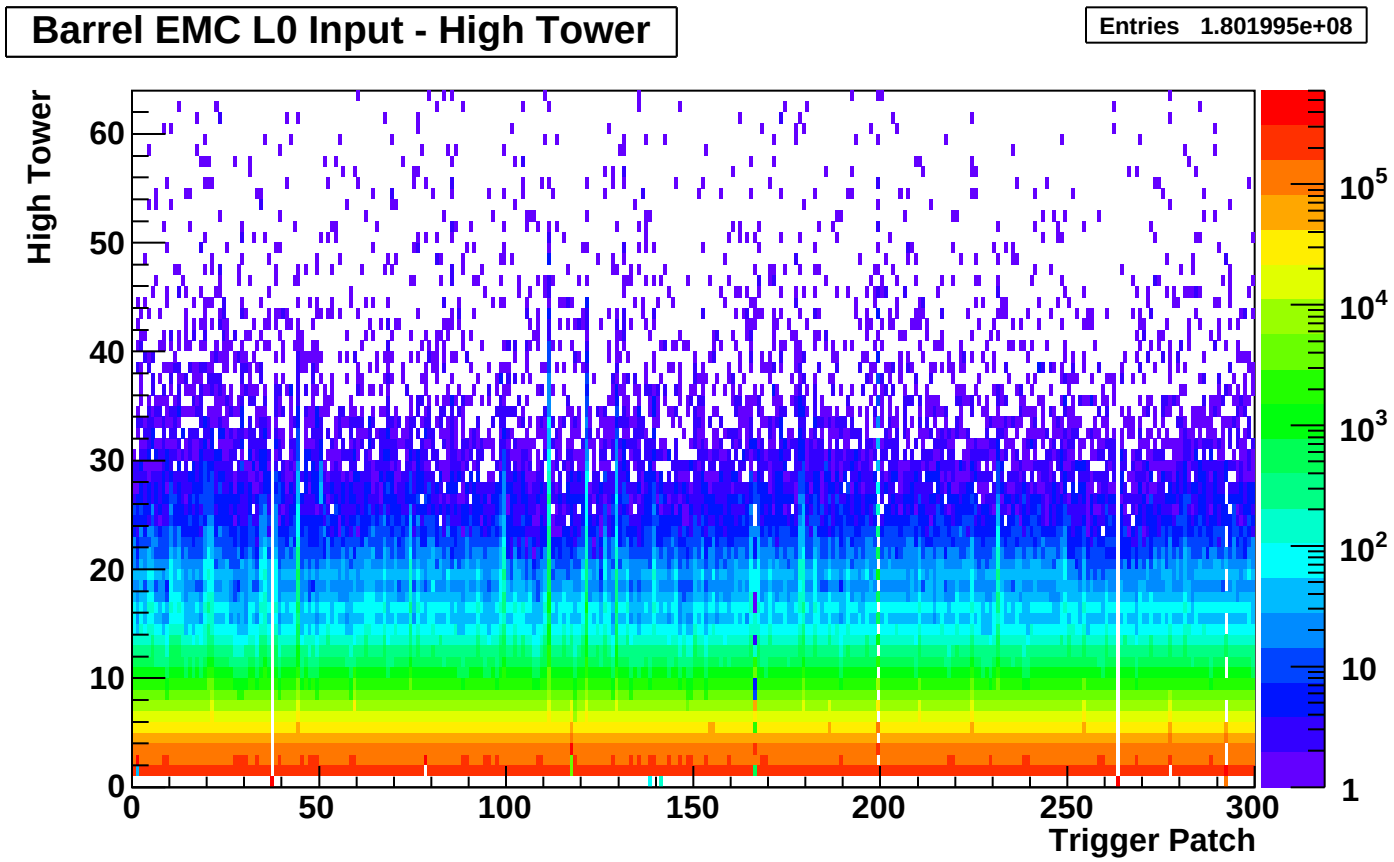

EMC L2 Input - HT23 bits
Entries 0
HT23 bits - Simulated
DSM Input Channel
BC101 BC102 BC103 BC104 BC105 BC106 EE101 EE102

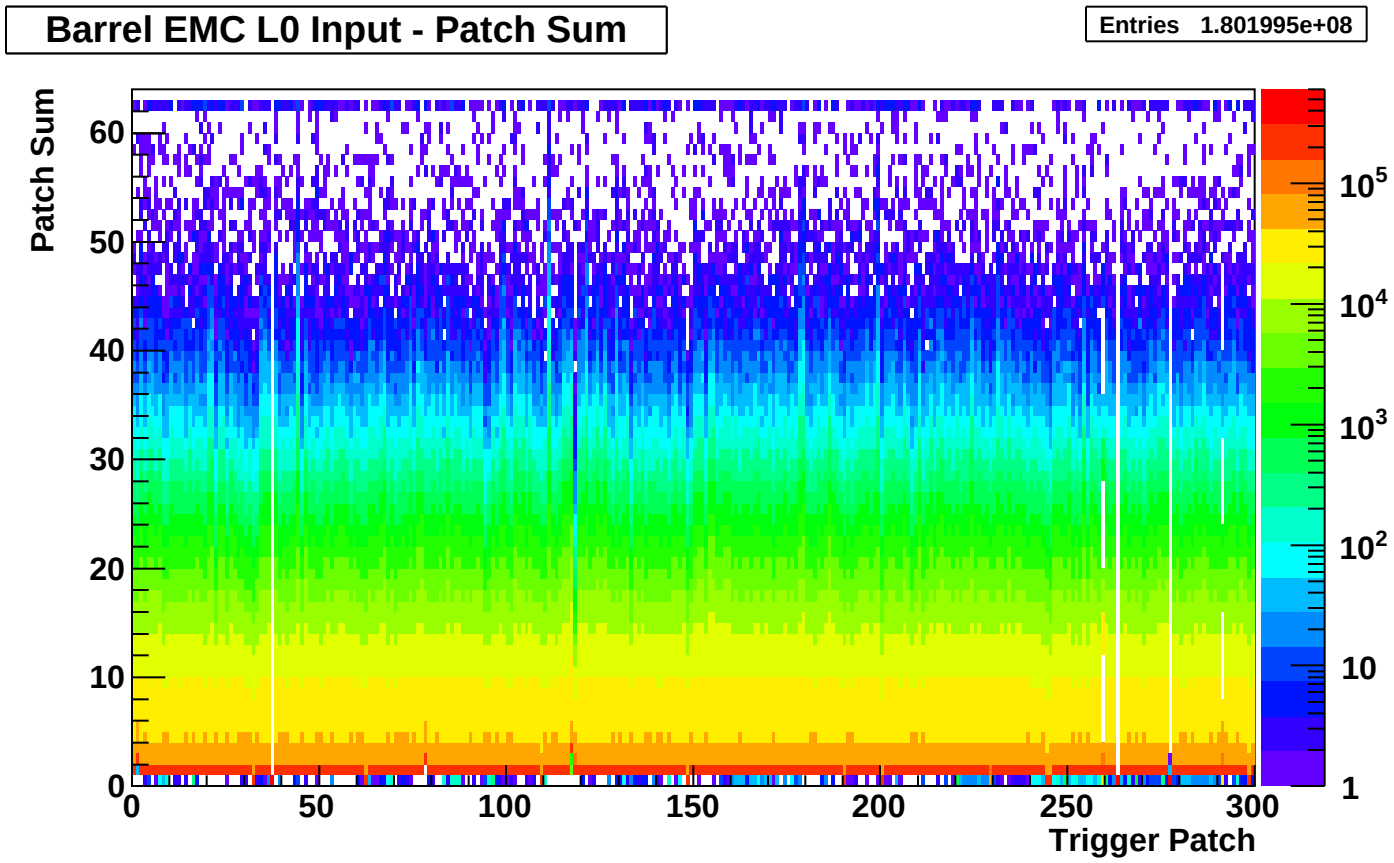

BunchId7Bit (BHT3)
Entries 9049
10^2
10
1
0
20
40
60
80
100
120

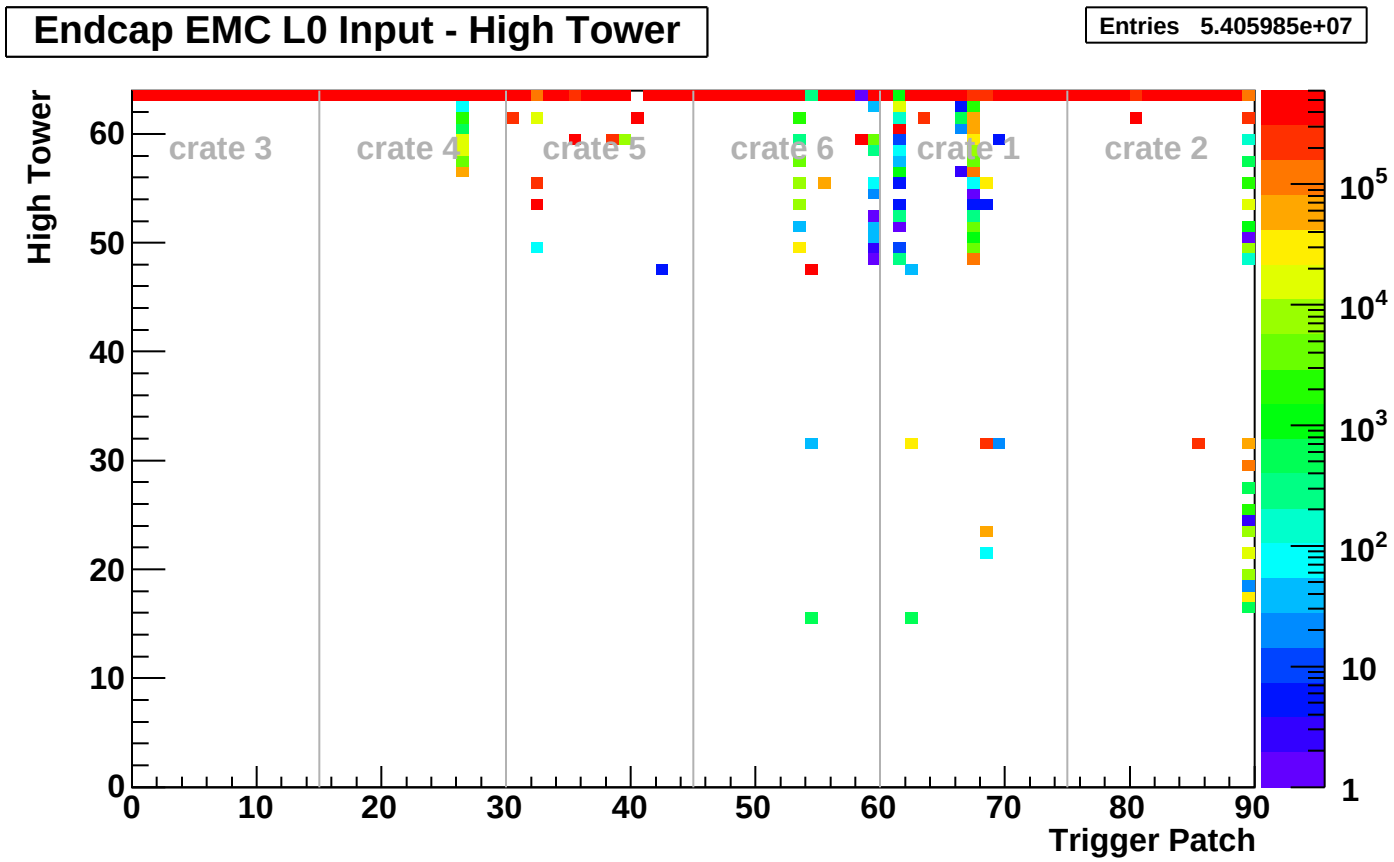

BunchId7Bit (all events)
Entries 600665
10^4
10^3
10^2
10
0
20
40
60
80
100
120

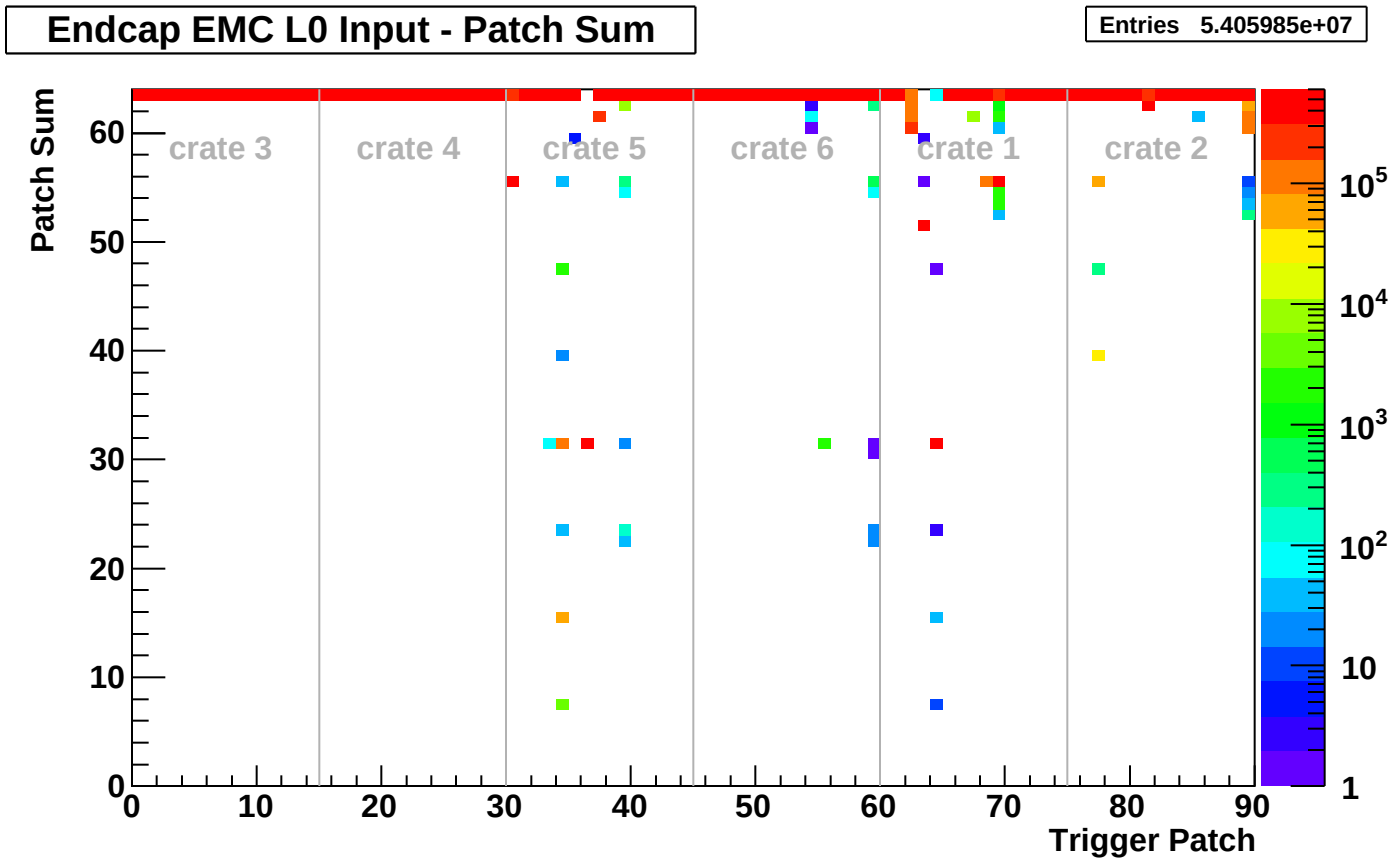

BunchId7Bit (JP1)
Entries 600665
10^4
10^3
10^2
10
0
20
40
60
80
100
120

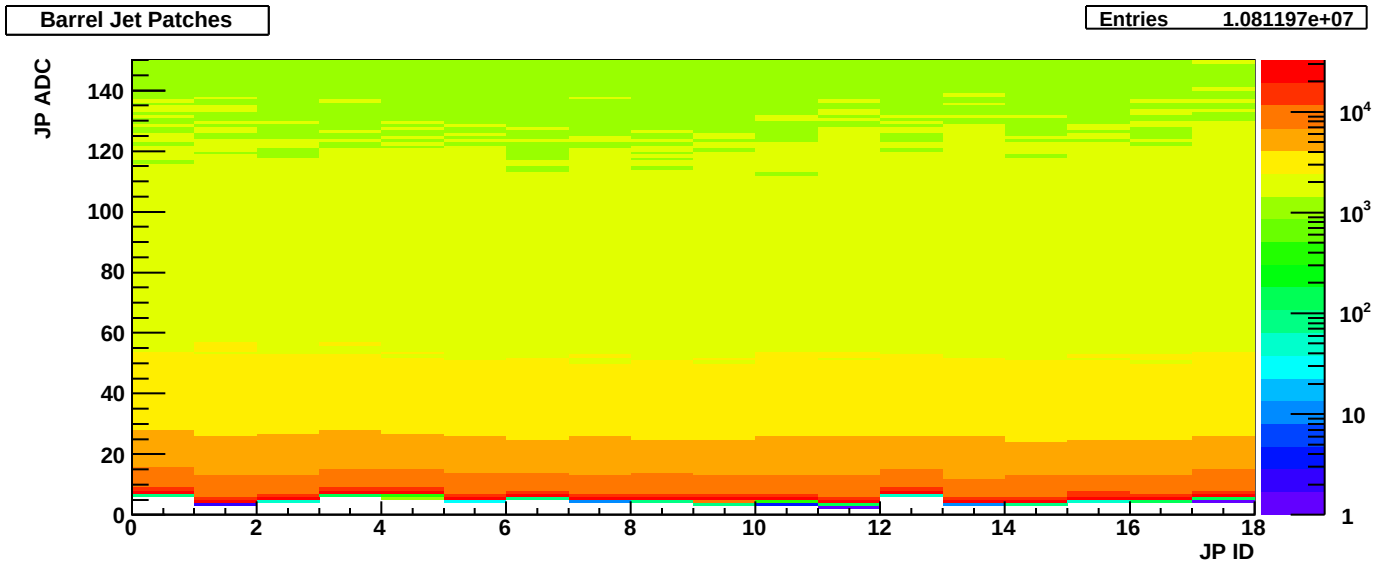

BunchId7Bit (JP2||AJP)
Entries 600665
10^4
10^3
10^2
10
0
20
40
60
80
100
120

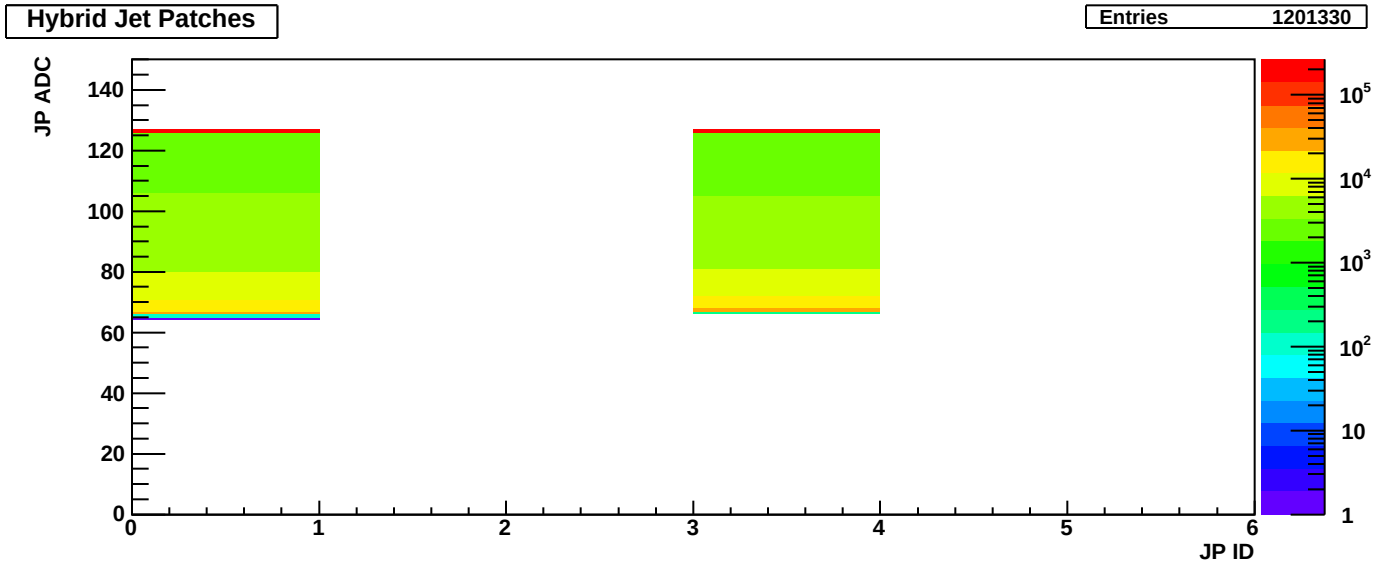

Barrel EMC L0 Input - High Tower
Entries 1.801995e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

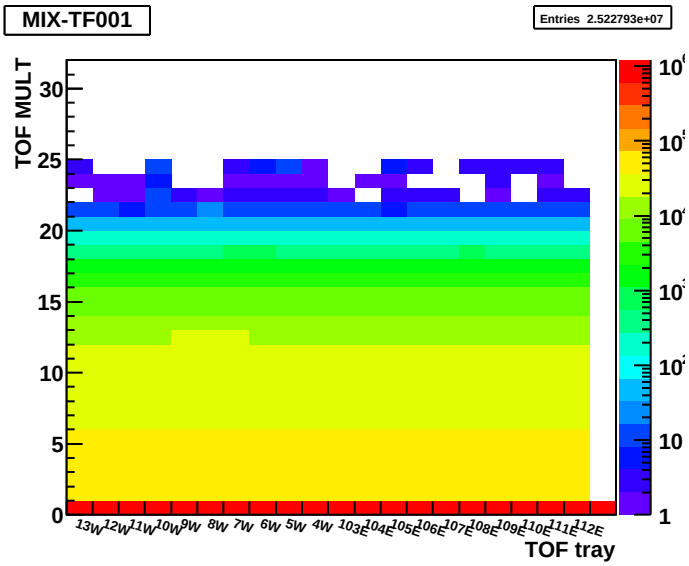

Barrel EMC L0 Input - Patch Sum
Entries 1.801995e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

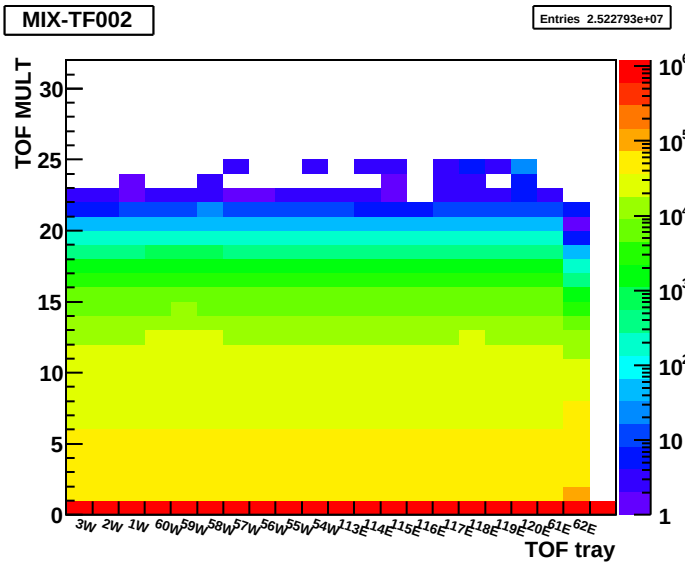

Endcap EMC L0 Input - High Tower
Entries 5.405985e+07
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

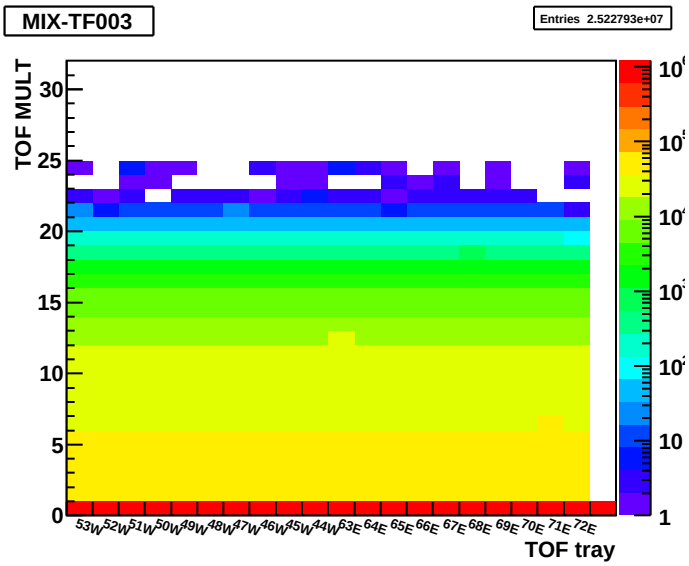

Endcap EMC L0 Input - Patch Sum
Entries 5.405985e+07
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

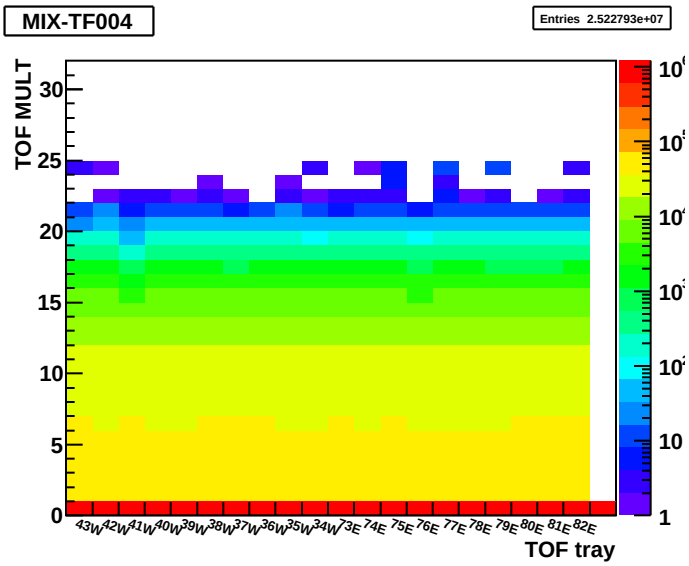

Barrel Jet Patches
Entries 1.081197e+07
JP ADC
JP ID

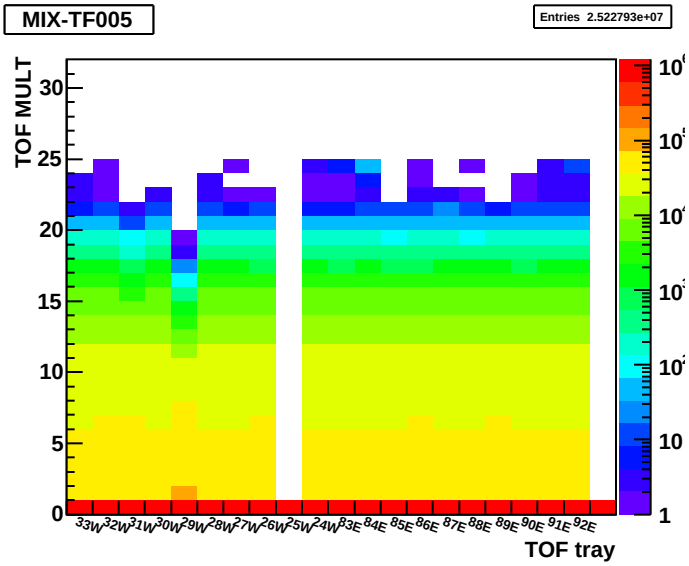

Hybrid Jet Patches
Entries 1201330
JP ADC
JP ID

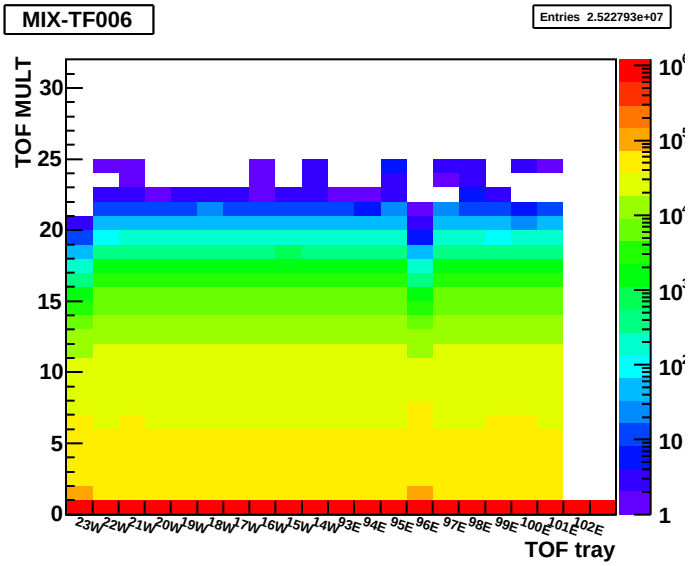

MIX-TF001
Entries 2.522793e+07
TOF MULT
TOF tray

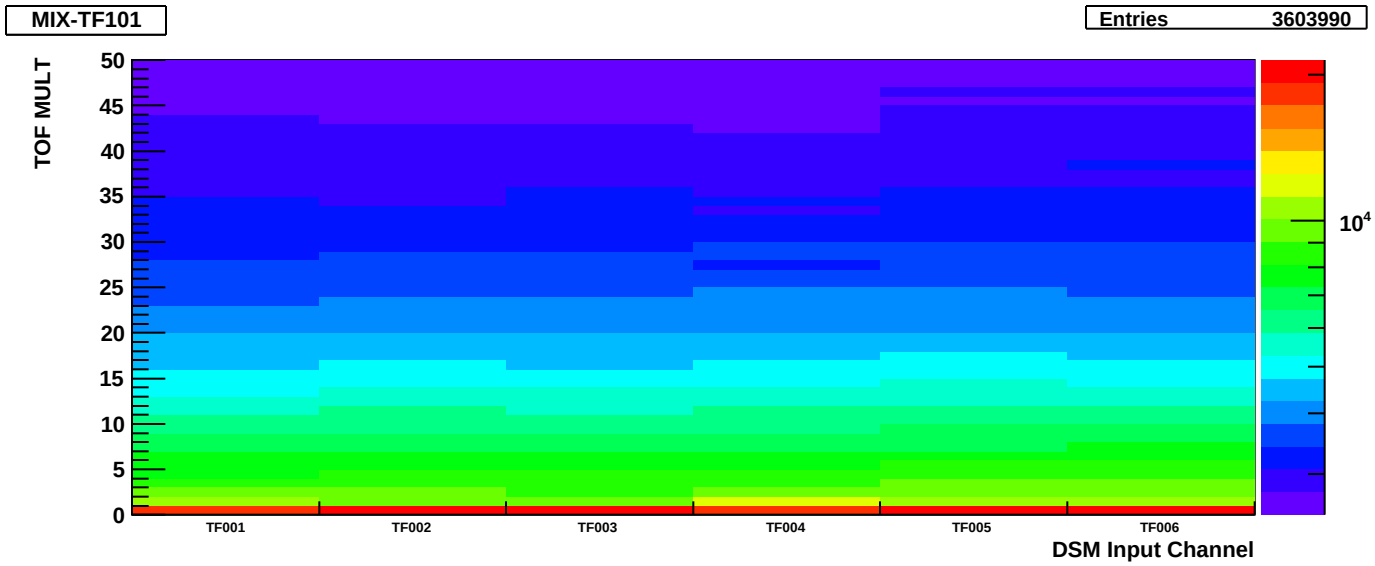

MIX-TF002
Entries 2.522793e+07
TOF MULT
TOF tray

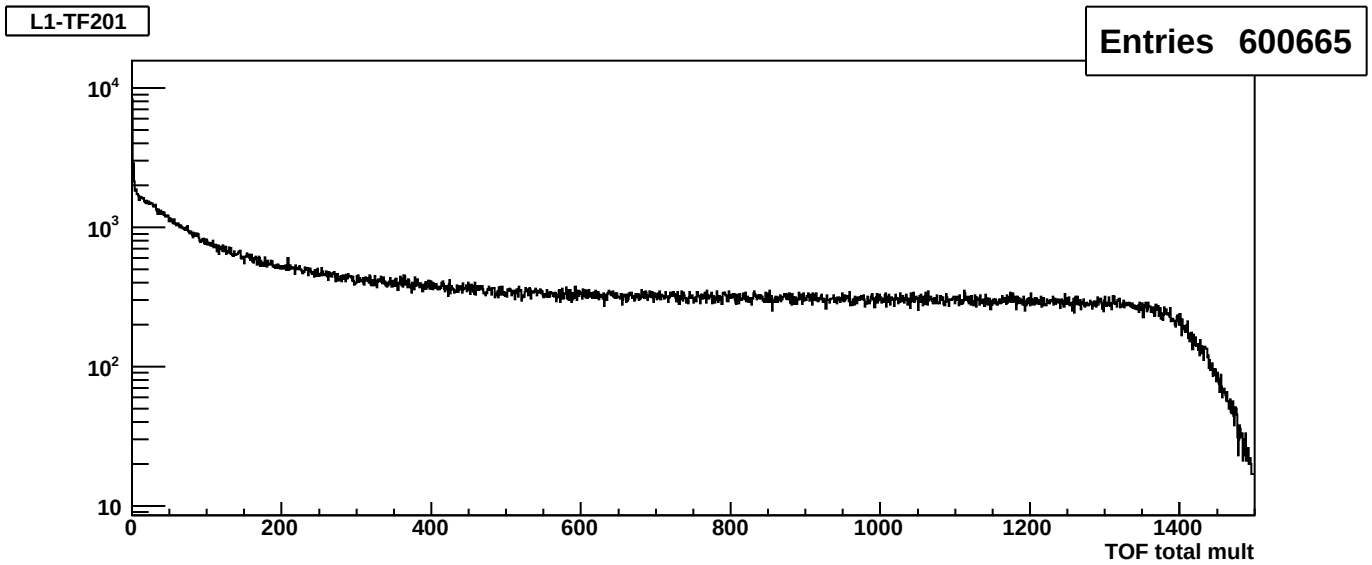

MIX-TF003
Entries 2.522793e+07
TOF MULT
TOF tray

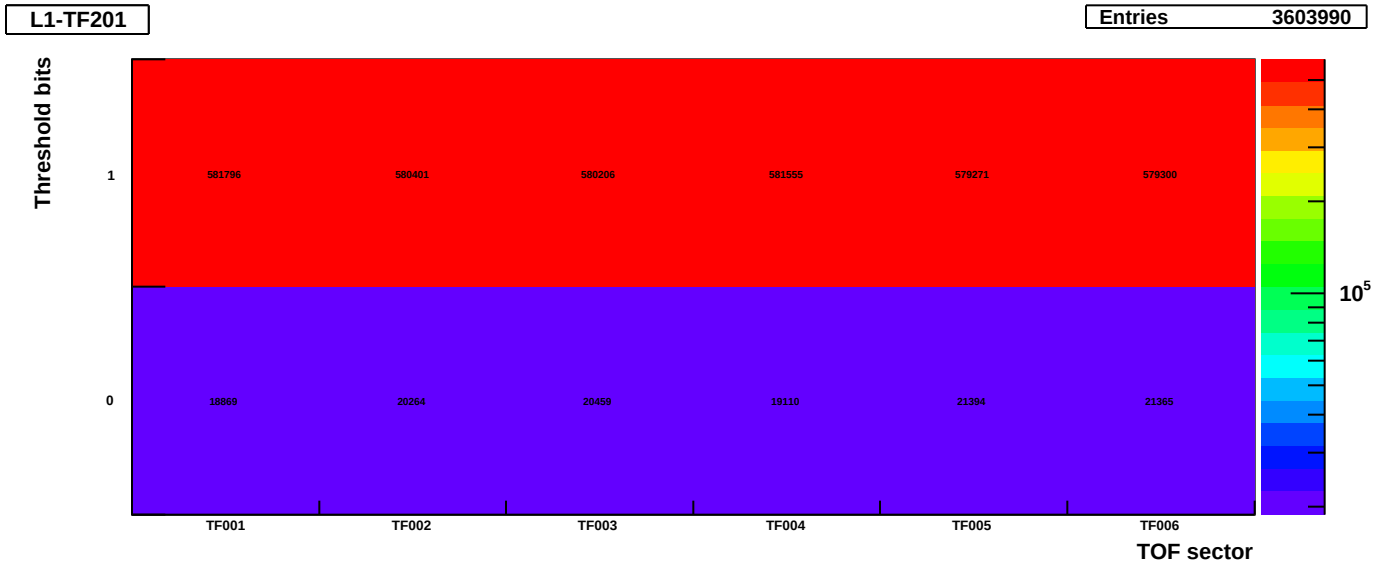

MIX-TF004
Entries 2.522793e+07
TOF MULT
TOF tray

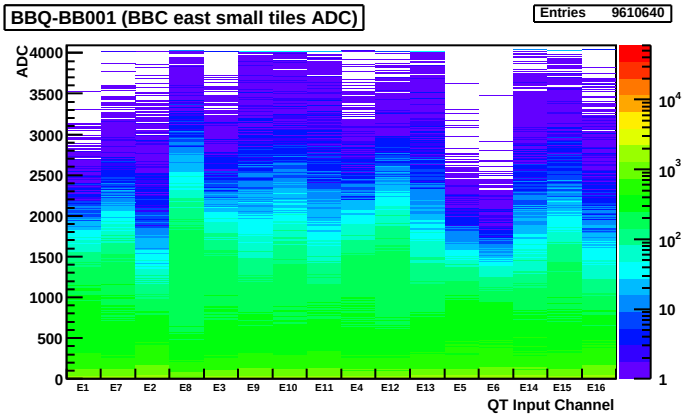

MIX-TF005
Entries 2.522793e+07
TOF MULT
TOF tray

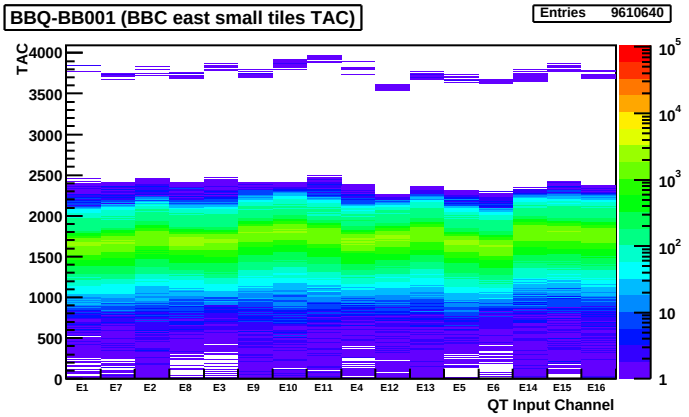

MIX-TF006
Entries 2.522793e+07
TOF MULT
TOF tray

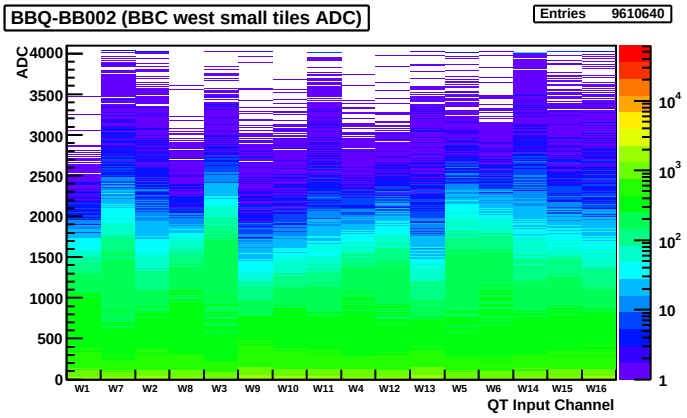

MIX-TF101
Entries 3603990
TOF MULT
50
45
40
35
30
25
20
15
10
5
0
TF001
TF002
TF003
TF004
TF005
TF006
DSM Input Channel
10^4

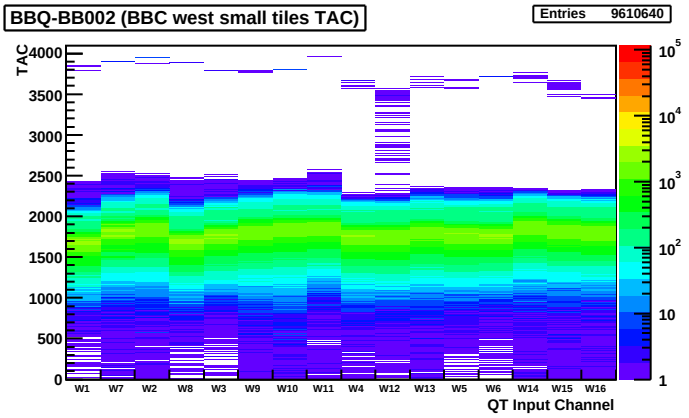

L1-TF201
Entries 600665
10^4
10^3
10^2
10
0
200
400
600
800
1000
1200
1400
TOF total mult

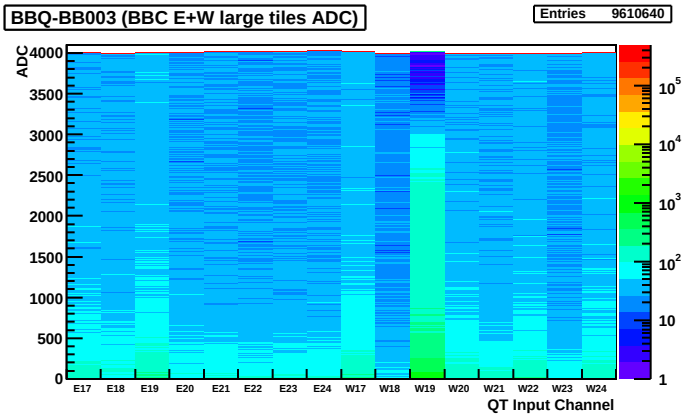

L1-TF201
Entries 3603990
Threshold bits
1
0
581796
580401
580206
581555
579271
579300
18869
20264
20459
19110
21394
21365
TF001
TF002
TF003
TF004
TF005
TF006
TOF sector
10^5

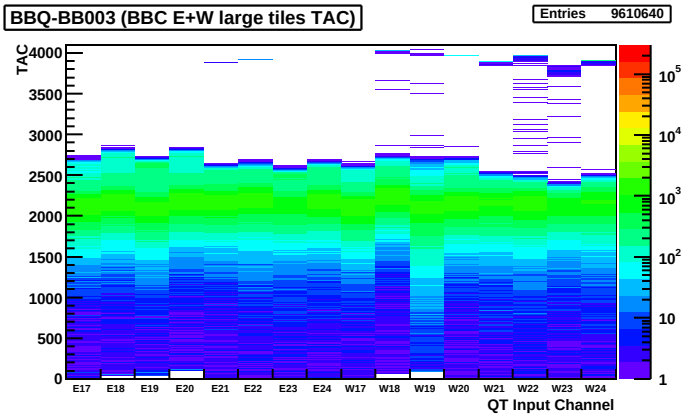

BBQ-BB001 (BBC east small tiles ADC)
Entries 9610640
ADC
QT Input Channel

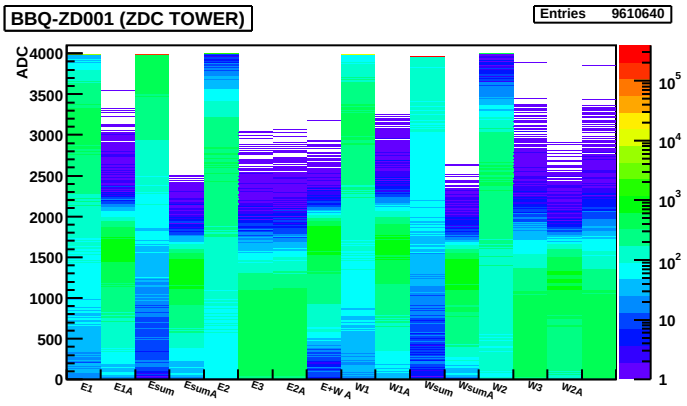

BBQ-BB001 (BBC east small tiles TAC)
Entries 9610640
TAC
QT Input Channel

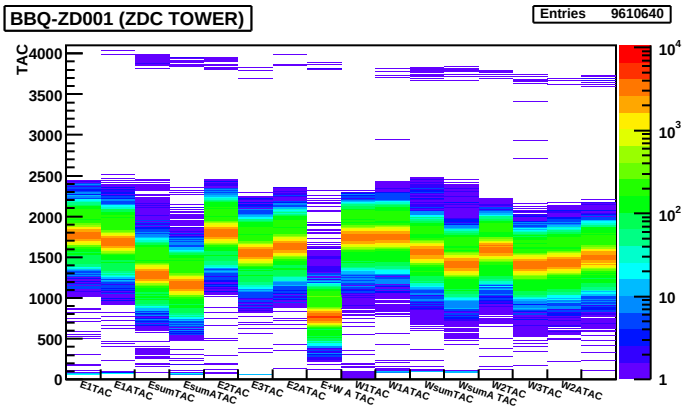

BBQ-BB002 (BBC west small tiles ADC)
Entries 9610640
ADC
QT Input Channel

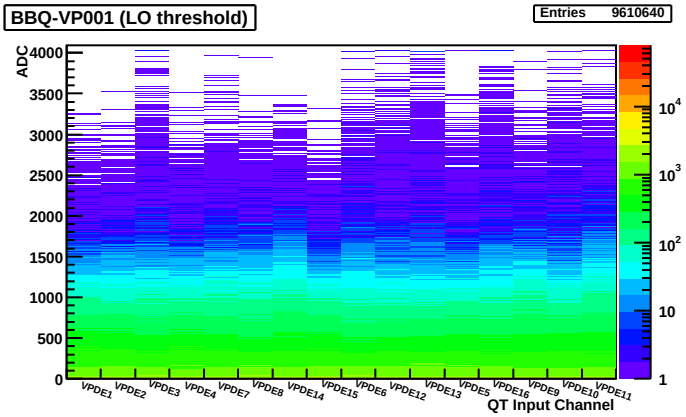

BBQ-BB002 (BBC west small tiles TAC)
Entries 9610640
TAC
QT Input Channel

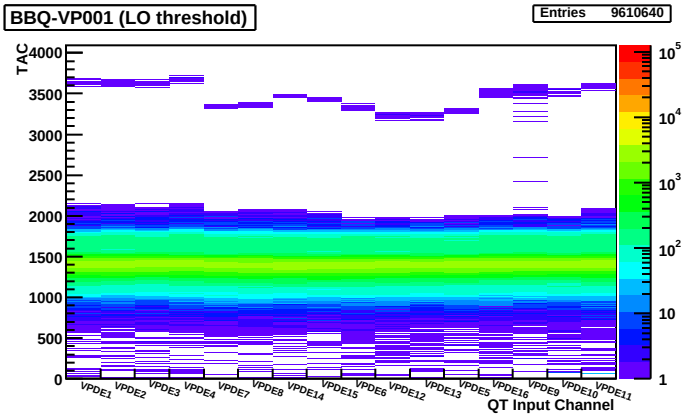

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 9610640
ADC
QT Input Channel

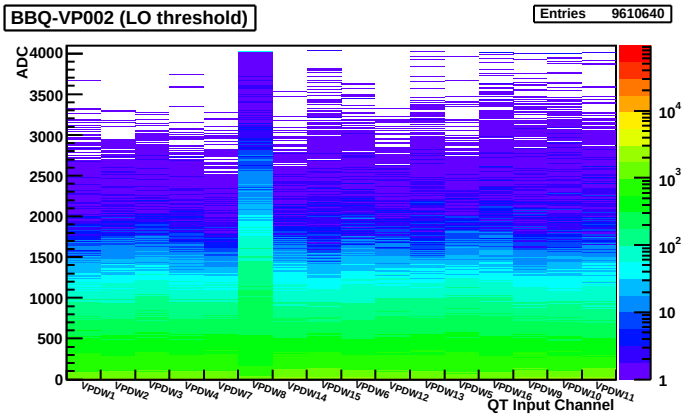

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 9610640
TAC
QT Input Channel

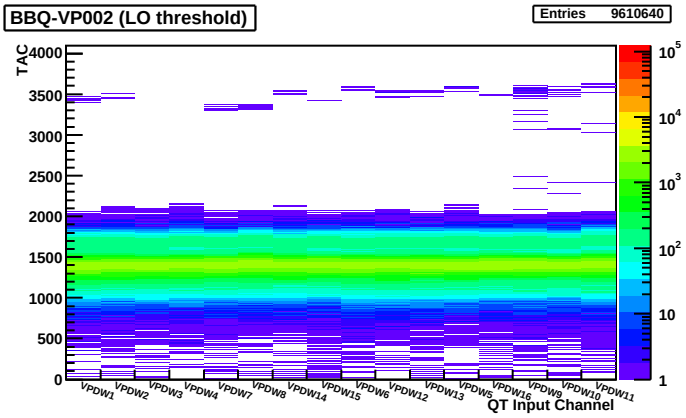

BBQ-ZD001 (ZDC TOWER)
Entries 9610640
ADC

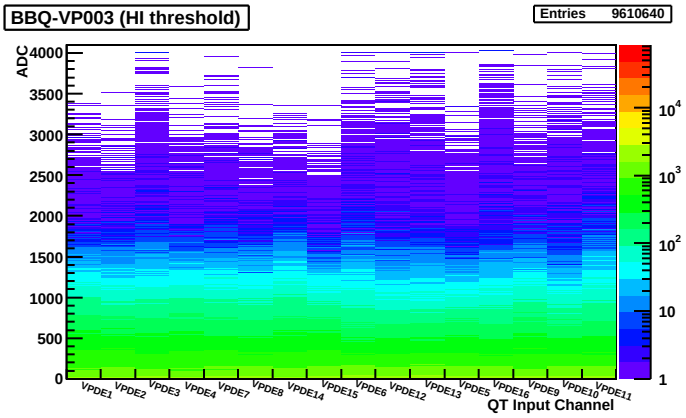

BBQ-ZD001 (ZDC TOWER)
Entries 9610640
TAC

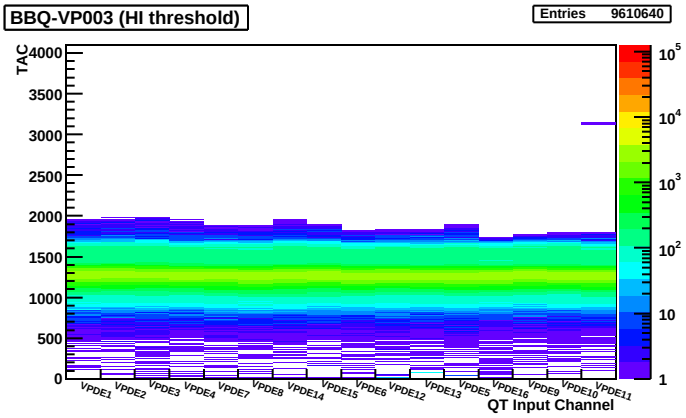

BBQ-VP001 (LO threshold)
Entries 9610640
ADC
QT Input Channel

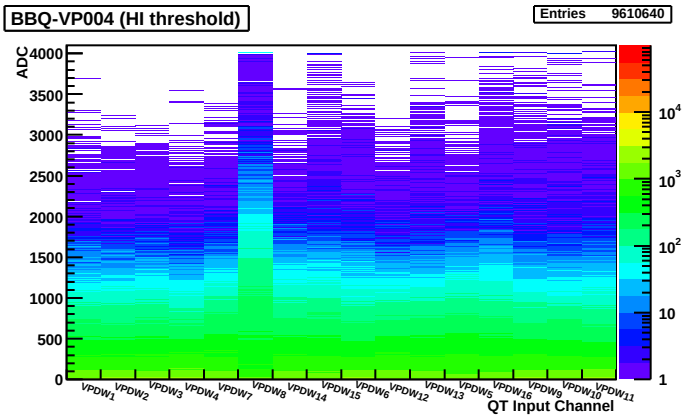

BBQ-VP001 (LO threshold)
Entries 9610640
TAC
QT Input Channel

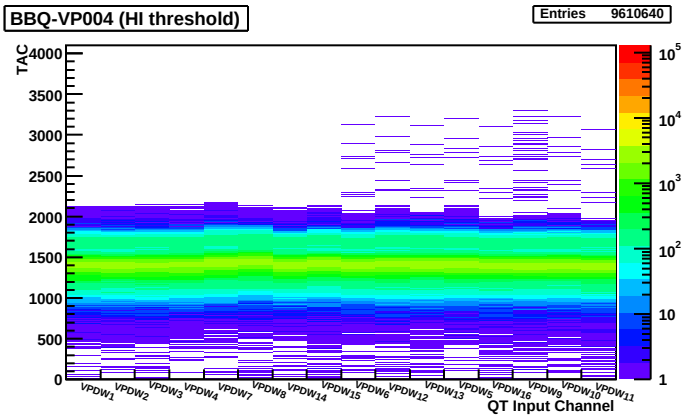

BBQ-VP002 (LO threshold)
Entries 9610640
ADC
QT Input Channel

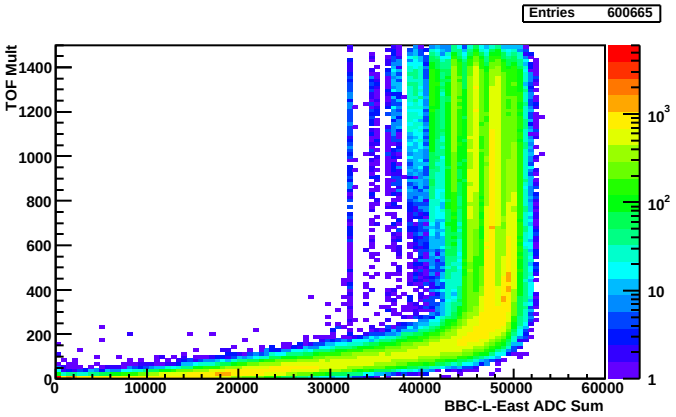

BBQ-VP002 (LO threshold)
Entries 9610640
TAC
QT Input Channel

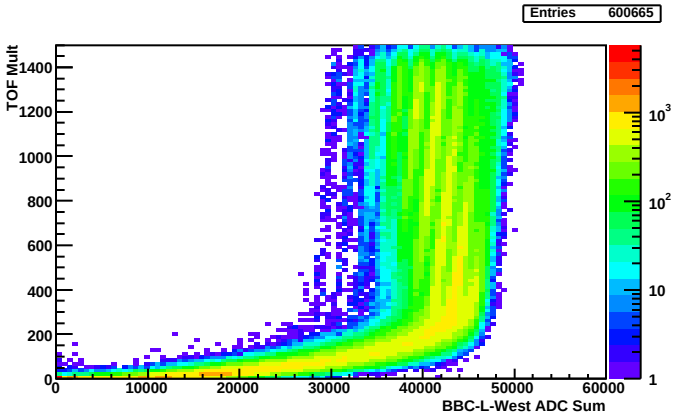

BBQ-VP003 (HI threshold)
Entries 9610640
ADC
QT Input Channel

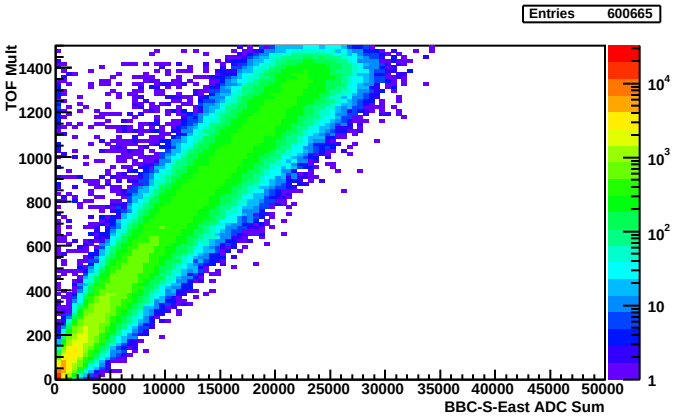

BBQ-VP003 (HI threshold)
Entries 9610640
TAC
QT Input Channel

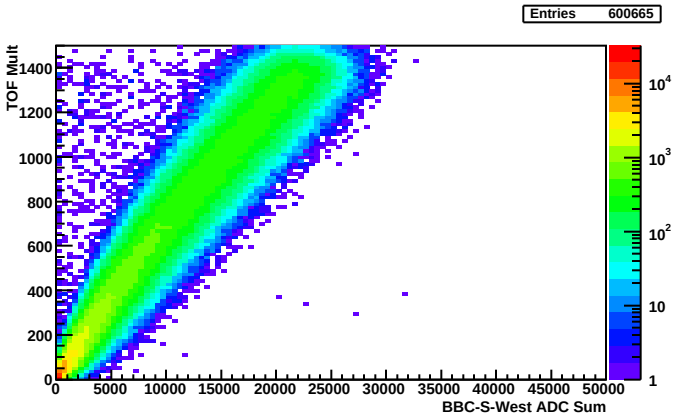

BBQ-VP004 (HI threshold)
Entries 9610640
ADC
QT Input Channel

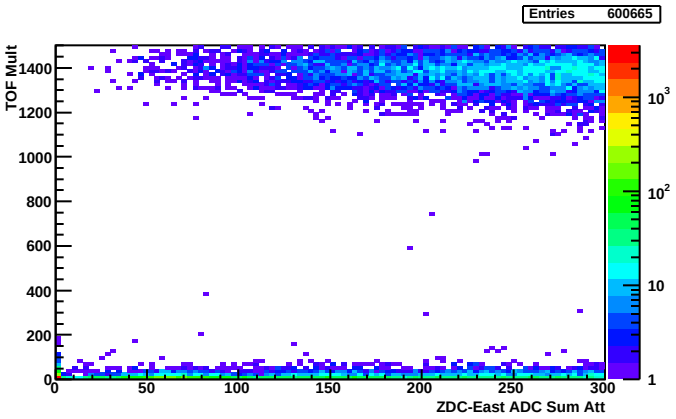

BBQ-VP004 (HI threshold)
Entries 9610640
TAC
QT Input Channel

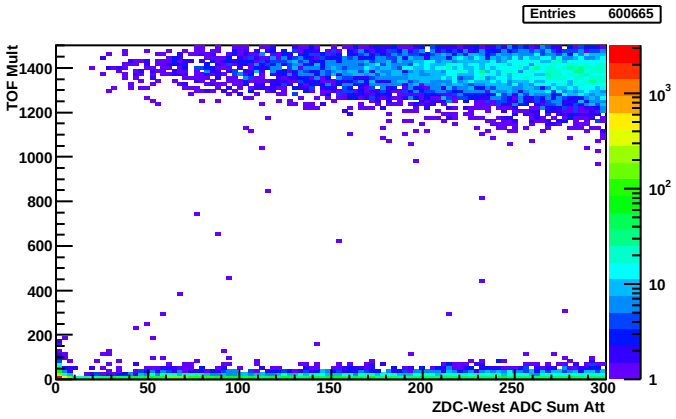

Entries 600665
TOF Mult
BBC-L-East ADC Sum

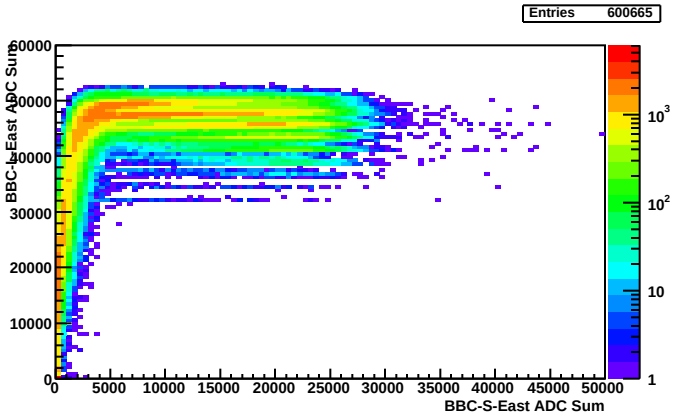

Entries 600665
TOF Mult
BBC-L-West ADC Sum

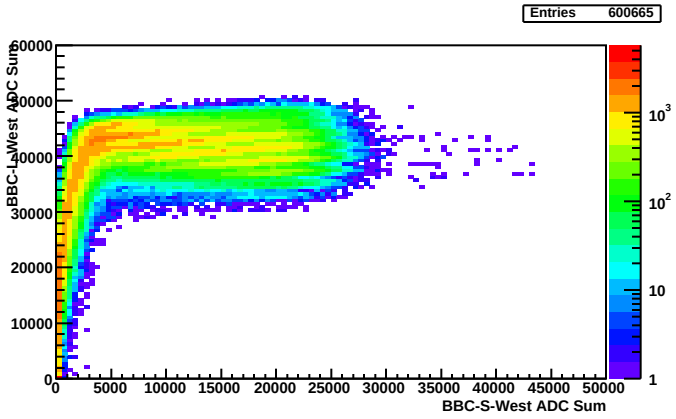

Entries 600665
TOF Mult
BBC-S-East ADC Sum

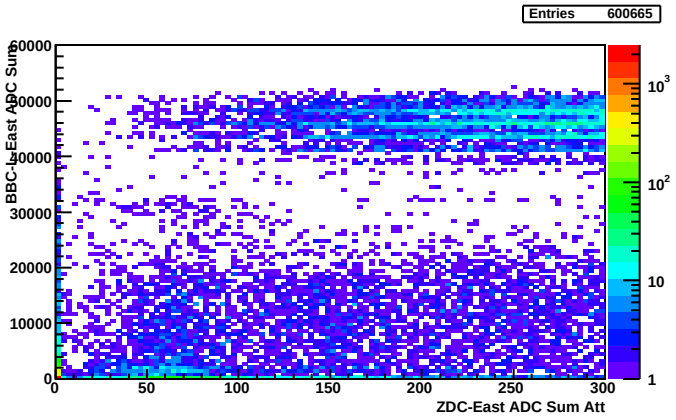

Entries 600665
TOF Mult
BBC-S-West ADC Sum

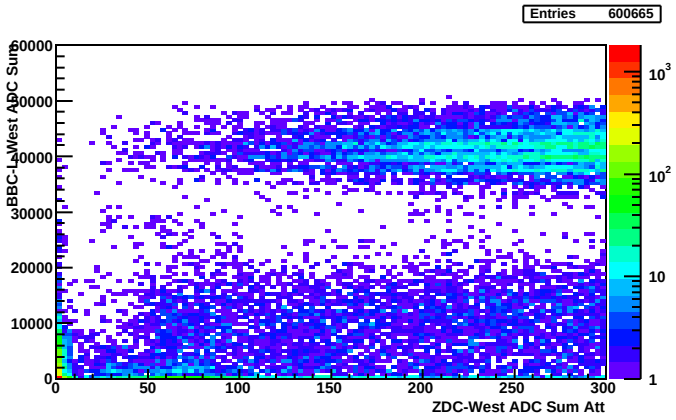

Entries 600665
TOF Mult
ZDC-East ADC Sum Att


Entries 600665
TOF Mult
ZDC-West ADC Sum Att


Entries 600665
BBC-L-East ADC Sum
BBC-S-East ADC Sum


Entries 600665
BBC-L-West ADC Sum
BBC-S-West ADC Sum


Entries 600665
BBC-L-East ADC Sum
ZDC-East ADC Sum Att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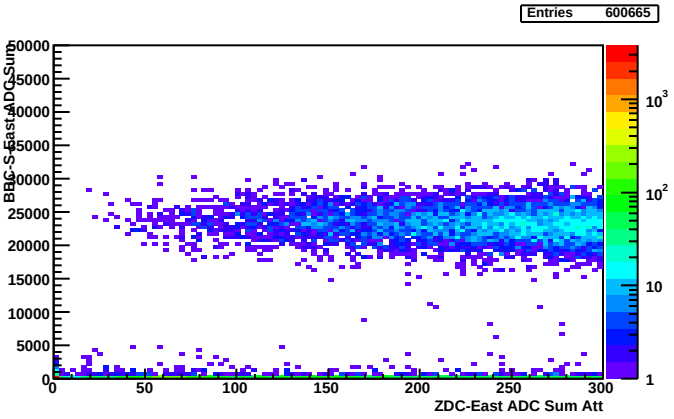
BBC-L-West ADC Sum
ZDC-West ADC Sum Att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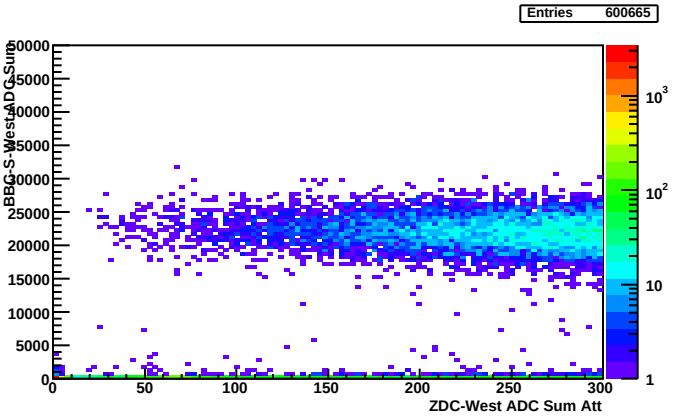
BBC-S-East ADC Sum
ZDC-East ADC Sum Att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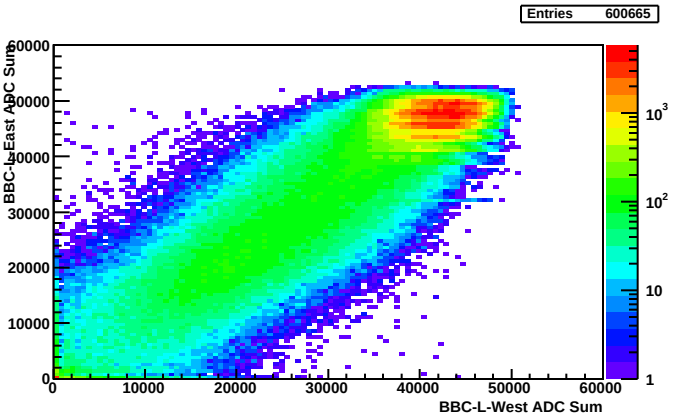
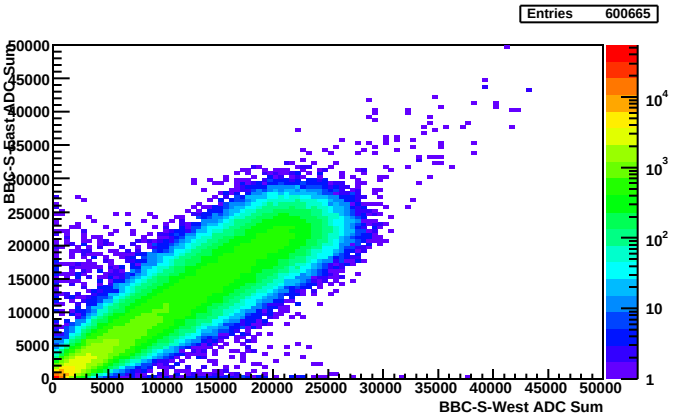
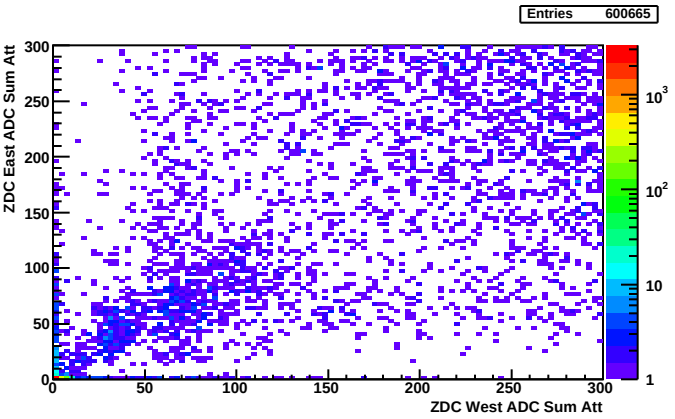
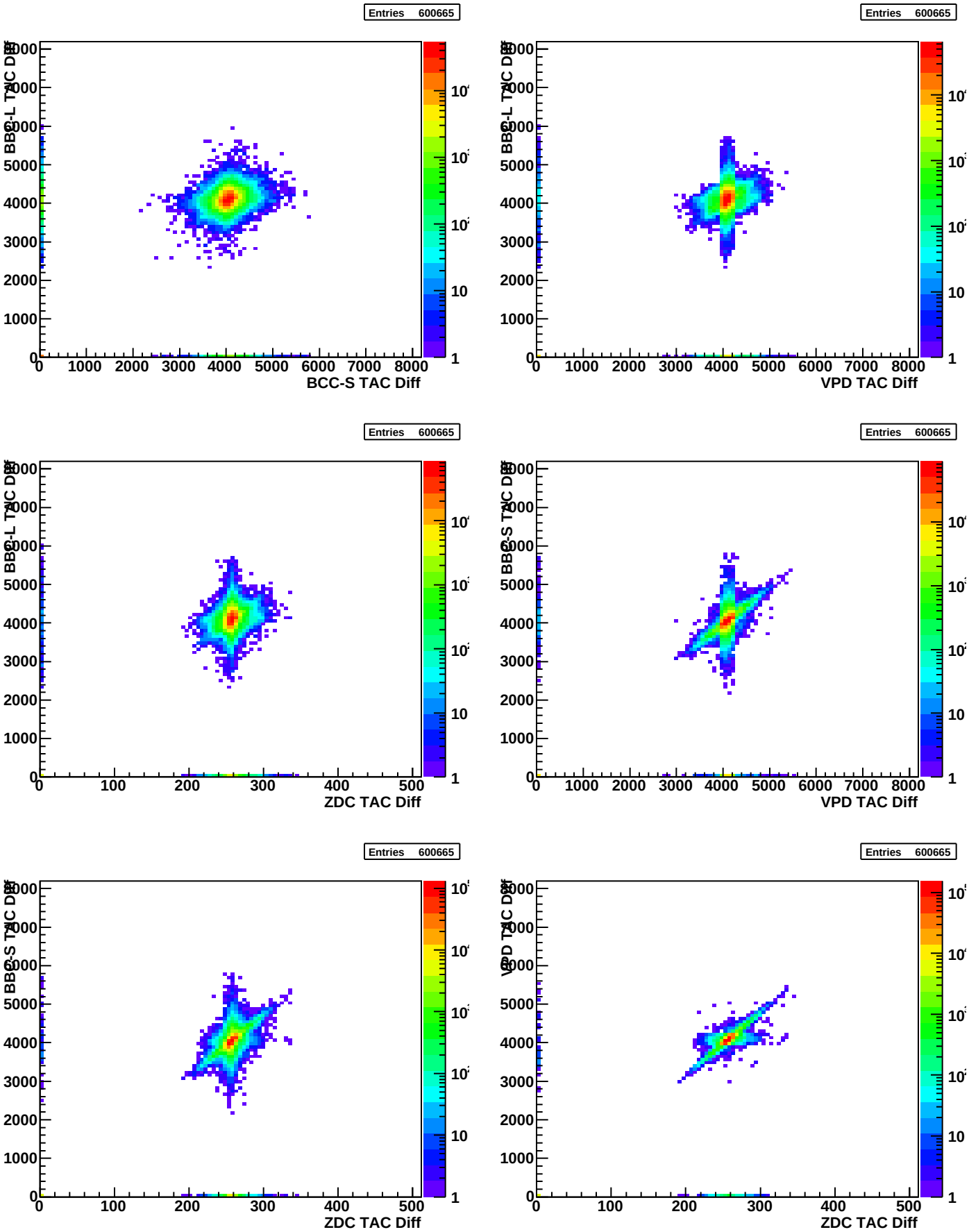
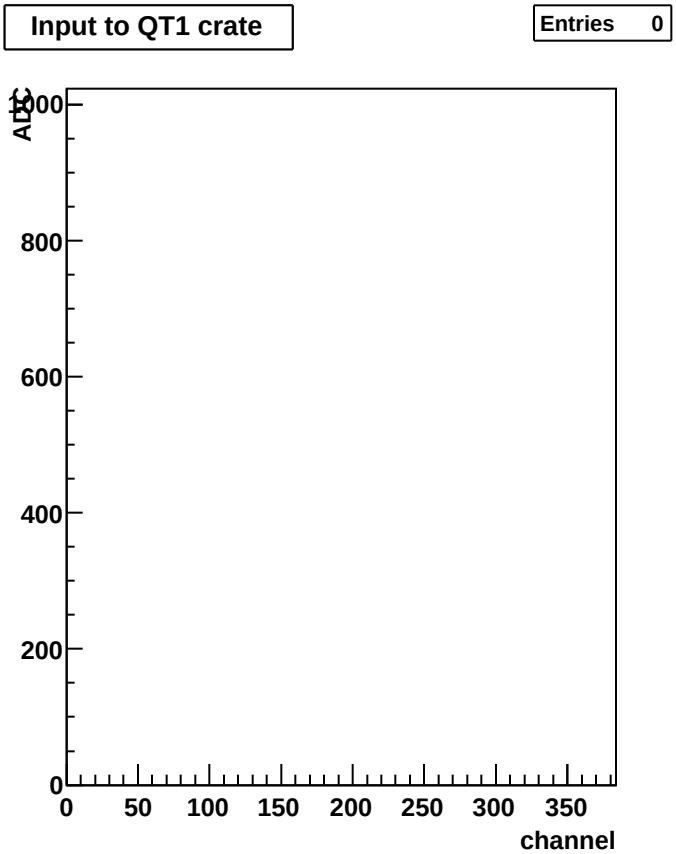
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

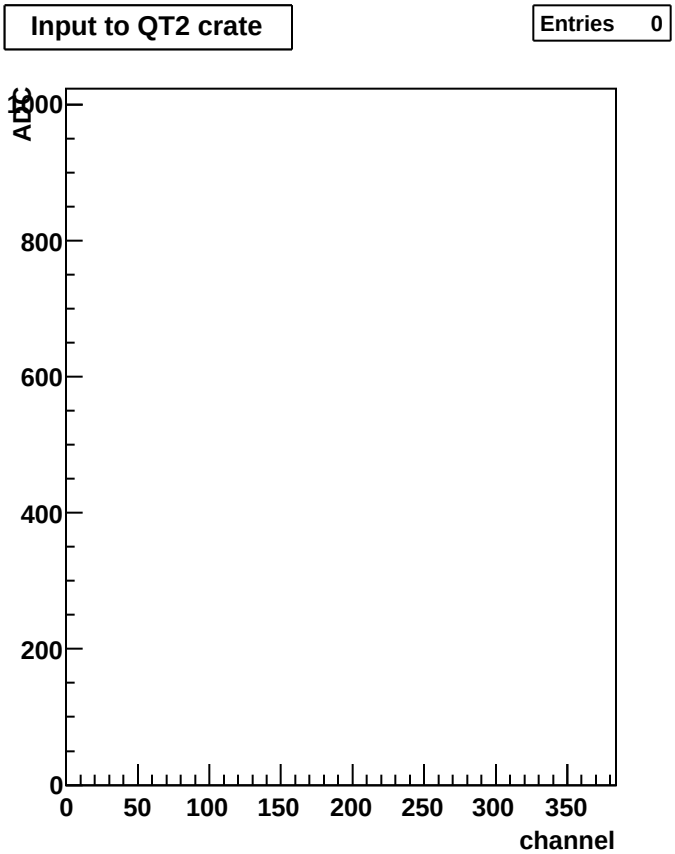

Entries 600665
BBC-L-East ADC Sum
BBC-L-West ADC Sum

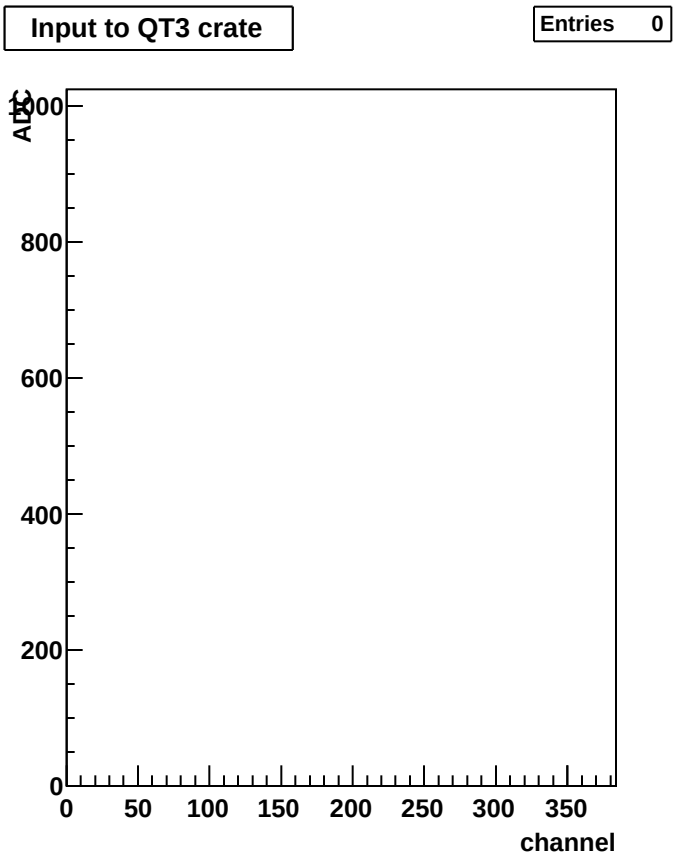

Entries 600665
BBC-S-East ADC Sum
BBC-S-West ADC Sum

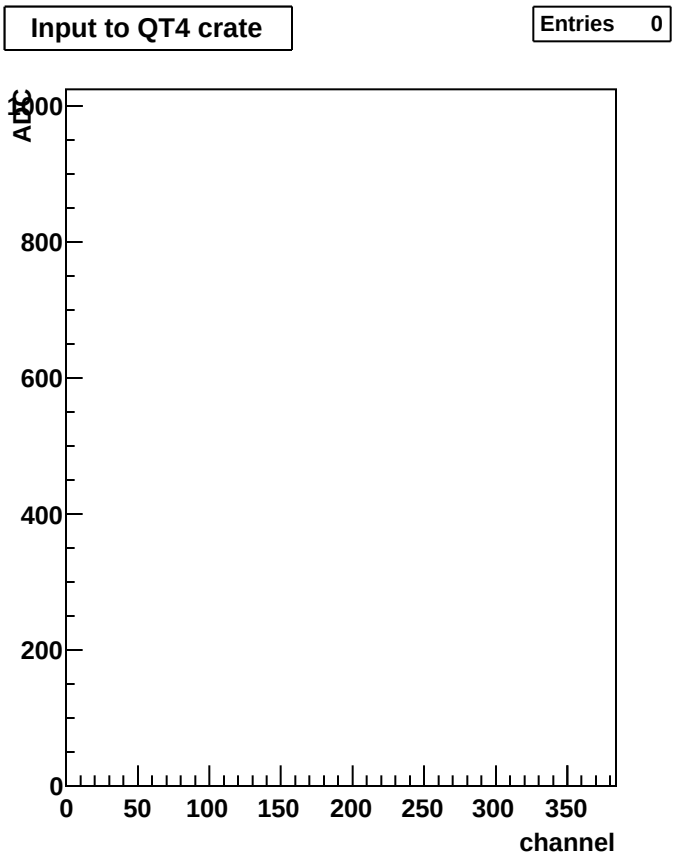

Entries 600665
ZDC East ADC Sum Att
ZDC West ADC Sum Att

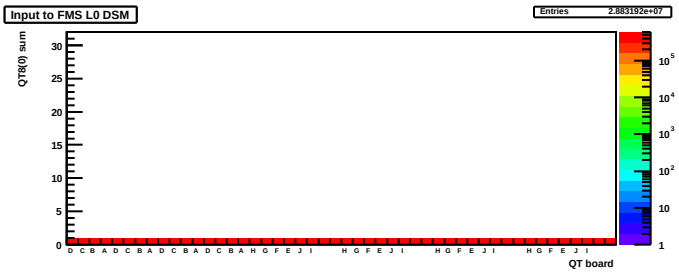

Entries 600665
BBC-L TAC Diff
BCC-S TAC Diff
Entries 600665
BBC-L TAC Diff
VPD TAC Diff
Entries 600665
BBC-L TAC Diff
ZDC TAC Diff
Entries 600665
BBC-S TAC Diff
VPD TAC Diff
Entries 600665
BBC-S TAC Diff
ZDC TAC Diff
Entries 600665
VPD TAC Diff
ZDC TAC Diff

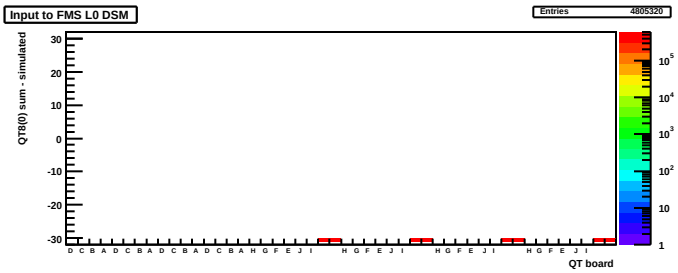

Input to QT1 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

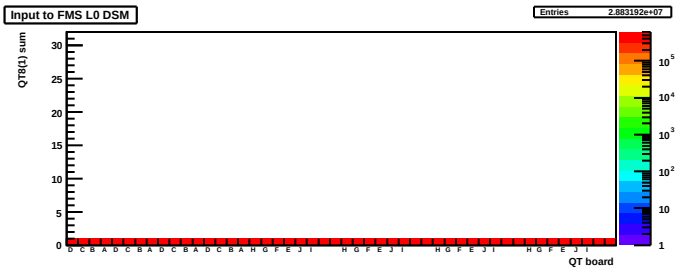

Input to QT2 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

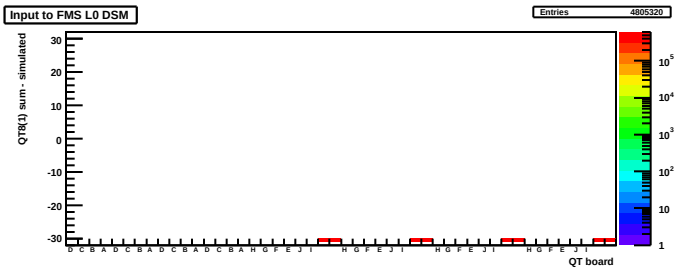

Input to QT3 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

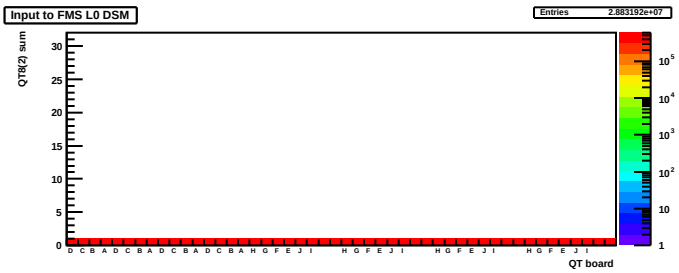

Input to QT4 crate
Entries 0
ADC
1000
800
600
400
200
0
0 50 100 150 200 250 300 350
channel

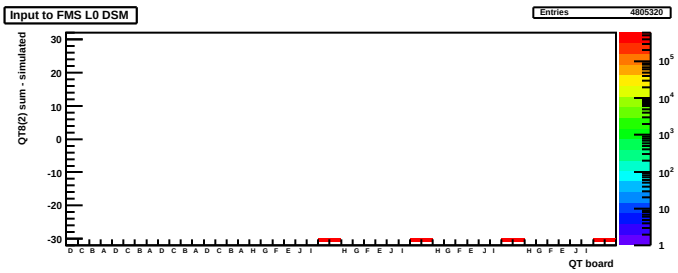

Input to FMS L0 DSM
Entries 2.883192e+07
QT8(0) sum
QT board

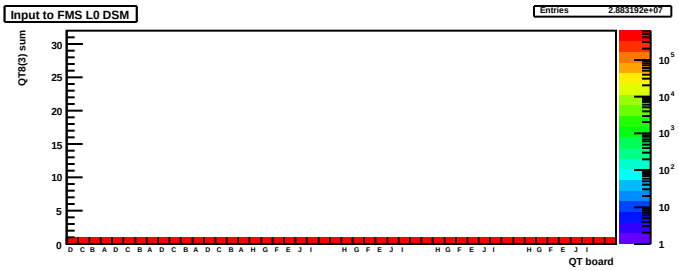

Input to FMS L0 DSM
Entries 4805320
QT8(0) sum - simulated
QT board

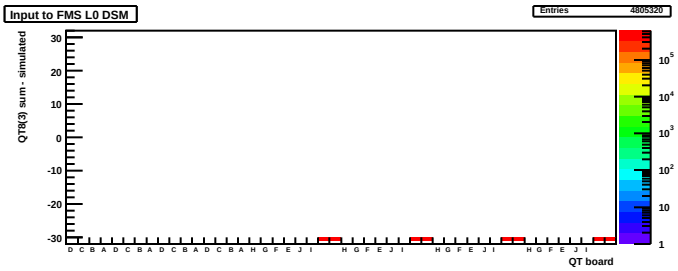

Input to FMS L0 DSM
Entries 2.883192e+07
QT8(1) sum
QT board

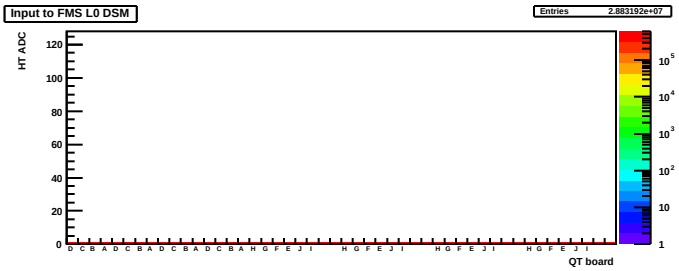

Input to FMS L0 DSM
Entries 4805320
QT8(1) sum - simulated
QT board

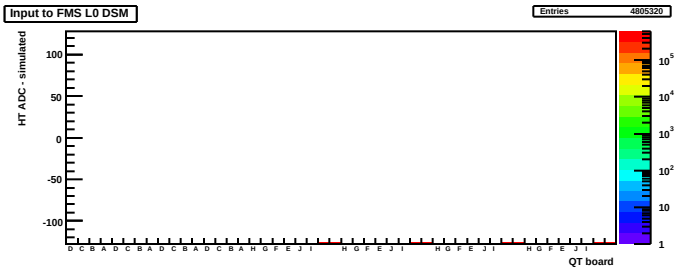

Input to FMS L0 DSM
Entries 2.883192e+07
QT8(2) sum
QT board

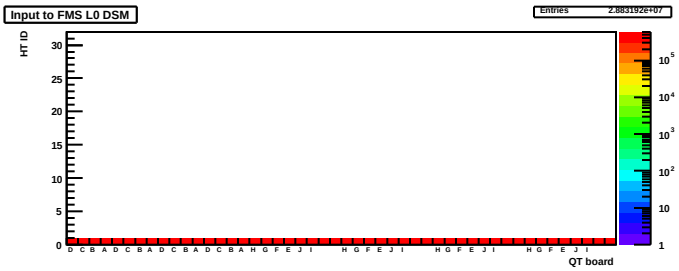

Input to FMS L0 DSM
Entries 4805320
QT8(2) sum - simulated
QT board

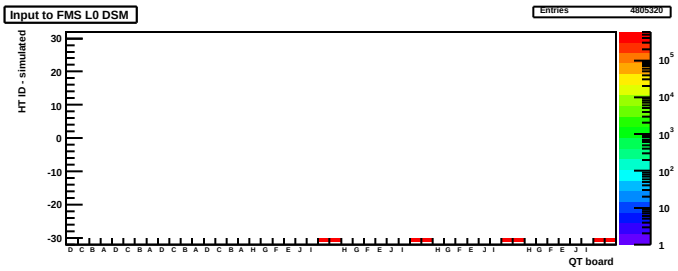

Input to FMS L0 DSM
Entries 2.883192e+07
QT8(3) sum
QT board

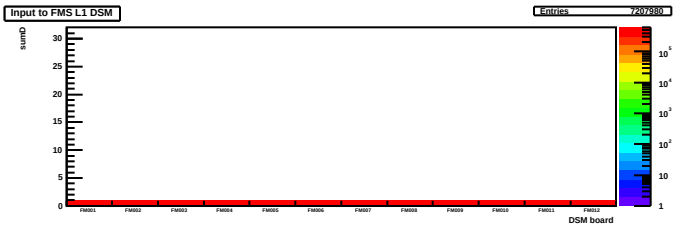

Input to FMS L0 DSM
Entries 4805320
QT8(3) sum - simulated
QT board

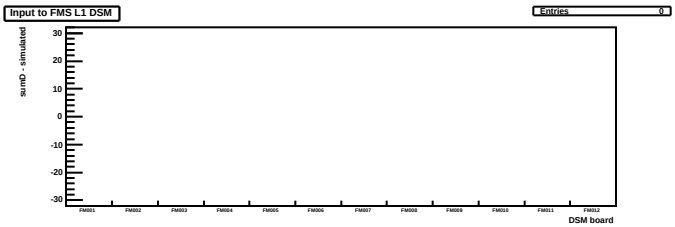

Input to FMS L0 DSM
Entries 2.883192e+07
HT ADC
QT board

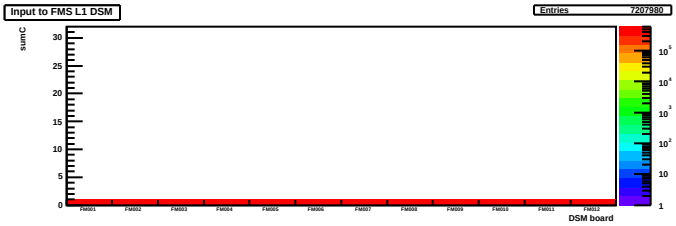

Input to FMS L0 DSM
Entries 4805320
HT ADC - simulated
QT board

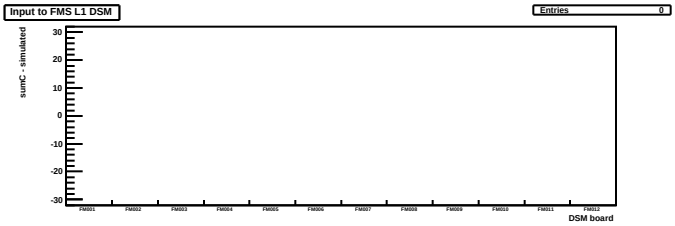

Input to FMS L0 DSM
Entries 2.883192e+07
HT ID
QT board

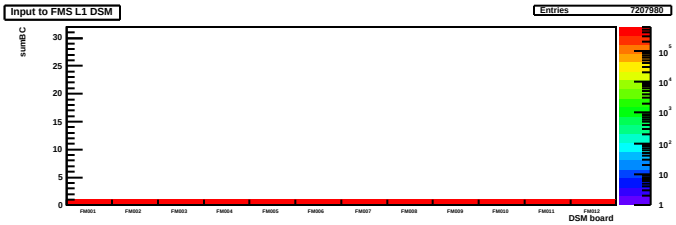

Input to FMS L0 DSM
Entries 4805320
HT ID - simulated
QT board

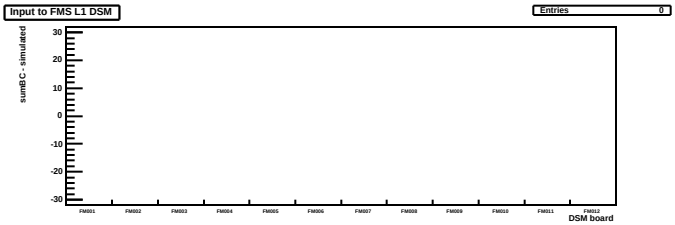

Input to FMS L1 DSM
Entries 7207980
sumD
DSM board

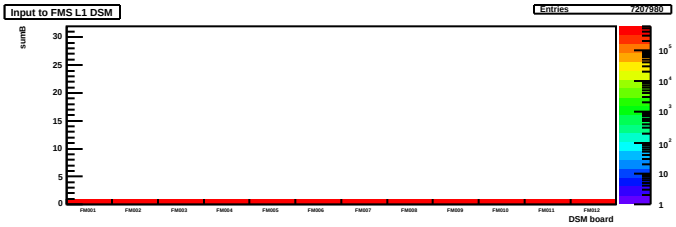

Input to FMS L1 DSM
Entries 0
sumD - simulated
DSM board

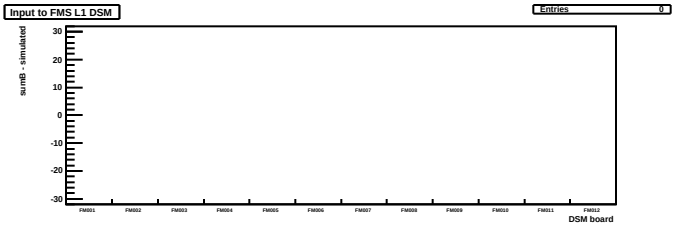

Input to FMS L1 DSM
Entries 7207980
sumC
DSM board

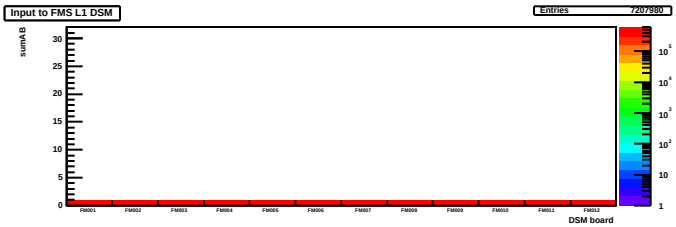

Input to FMS L1 DSM
Entries 0
sumC - simulated
DSM board

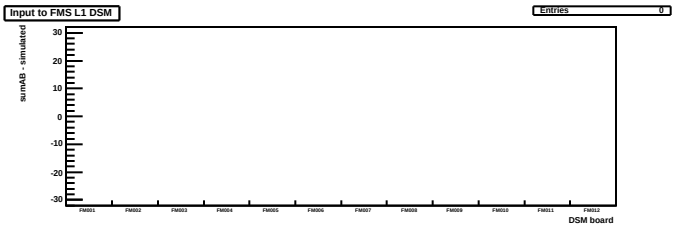

Input to FMS L1 DSM
Entries 7207980
sumBC
DSM board

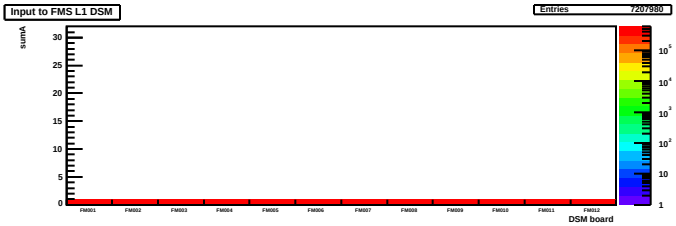

Input to FMS L1 DSM
Entries 0
sumBC - simulated
DSM board

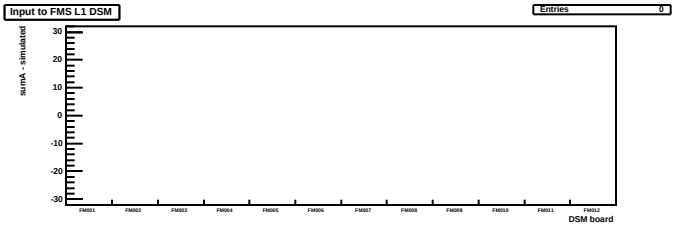

Input to FMS L1 DSM
Entries 7207980
sumB
DSM board

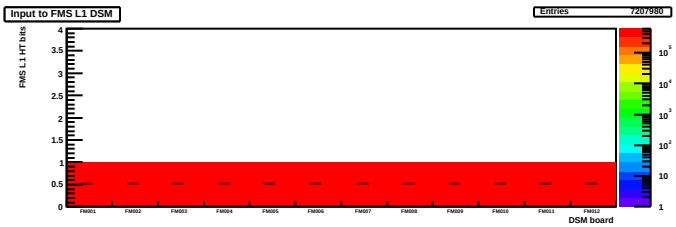

Input to FMS L1 DSM
Entries 0
sumB - simulated
DSM board

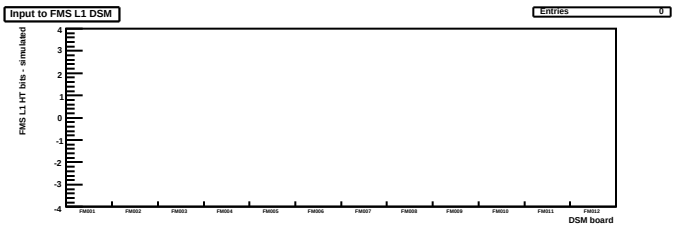

Input to FMS L1 DSM
Entries 7207980
sumAB
DSM board

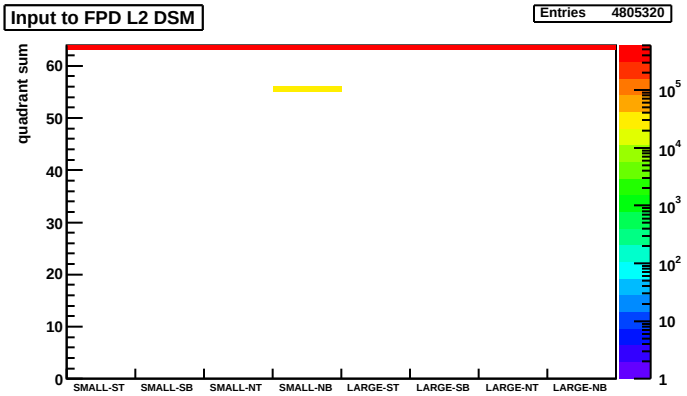

Input to FMS L1 DSM
Entries 0
sumAB - simulated
DSM board

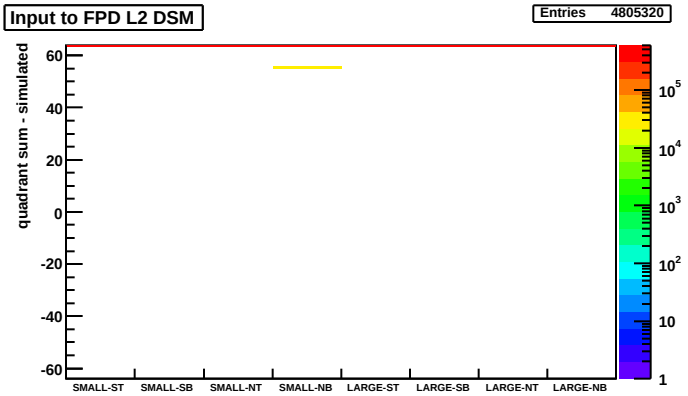

Input to FMS L1 DSM
Entries 7207980
sumA
DSM board

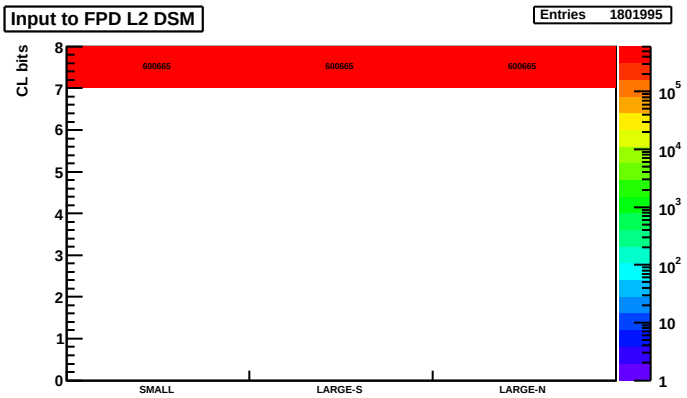

Input to FMS L1 DSM
Entries 0
sumA - simulated
DSM board

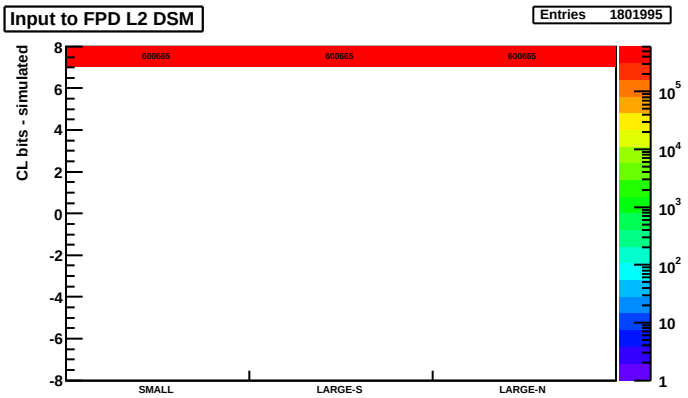

Input to FMS L1 DSM
Entries 7207980
FMS L1 HT bits
DSM board

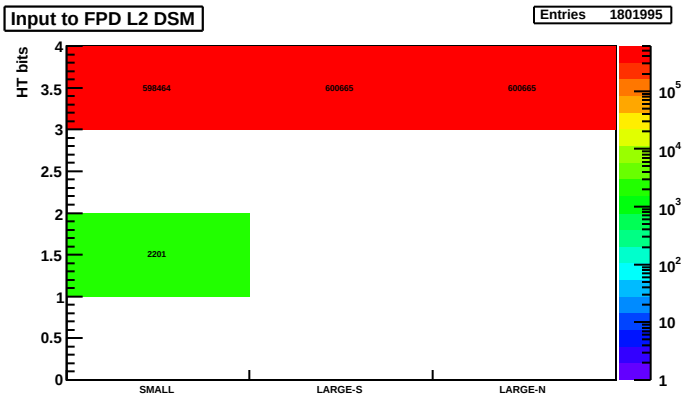

Input to FMS L1 DSM
Entries 0
FMS L1 HT bits - simulated
DSM board

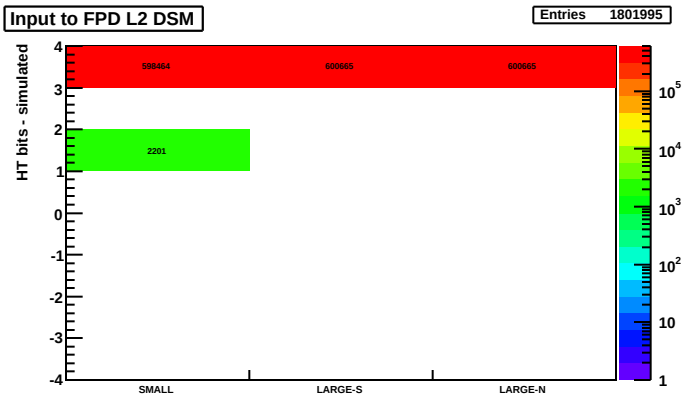

Input to FPD L2 DSM
Entries 4805320
quadrant sum
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

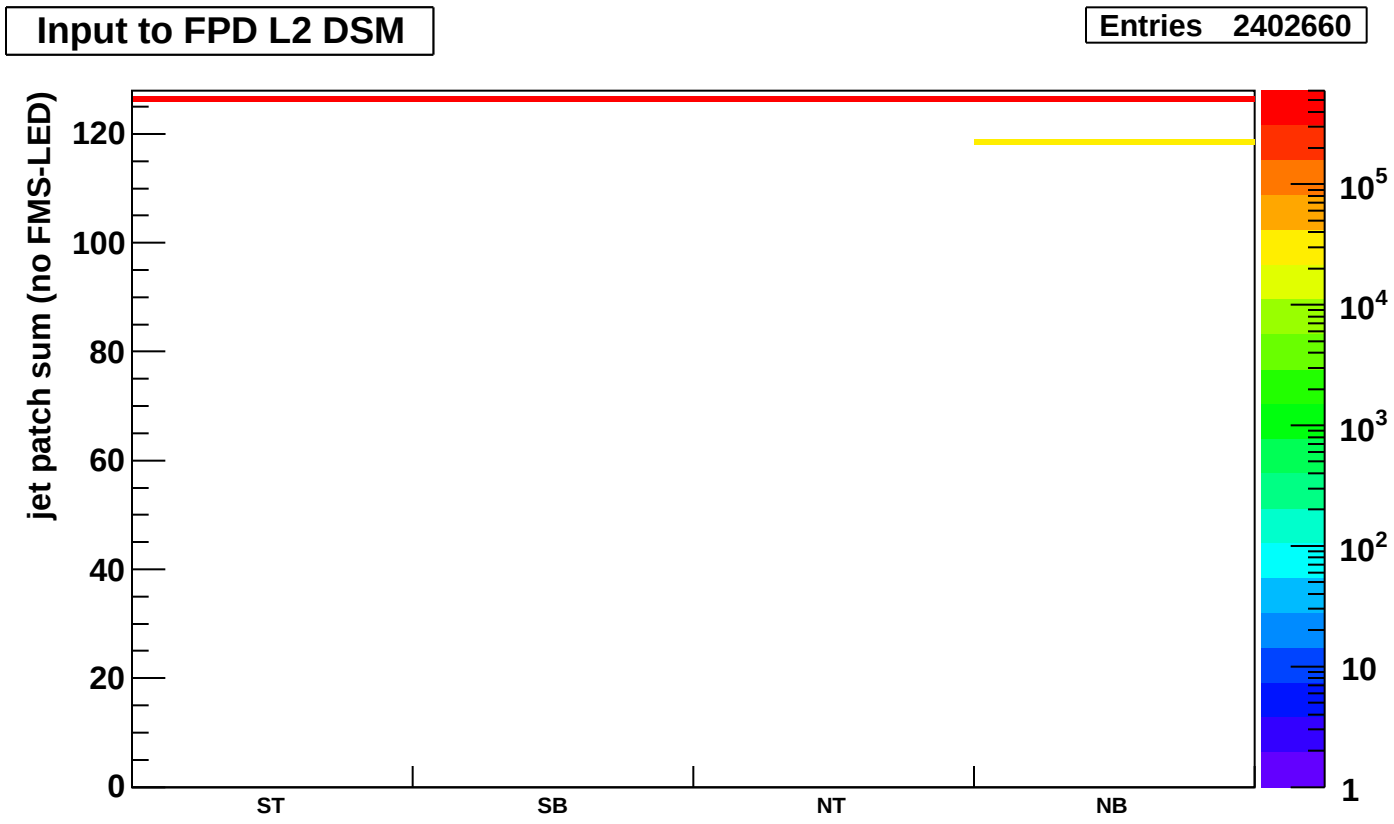

Input to FPD L2 DSM
Entries 4805320
quadrant sum - simulated
SMALL-ST
SMALL-SB
SMALL-NT
SMALL-NB
LARGE-ST
LARGE-SB
LARGE-NT
LARGE-NB

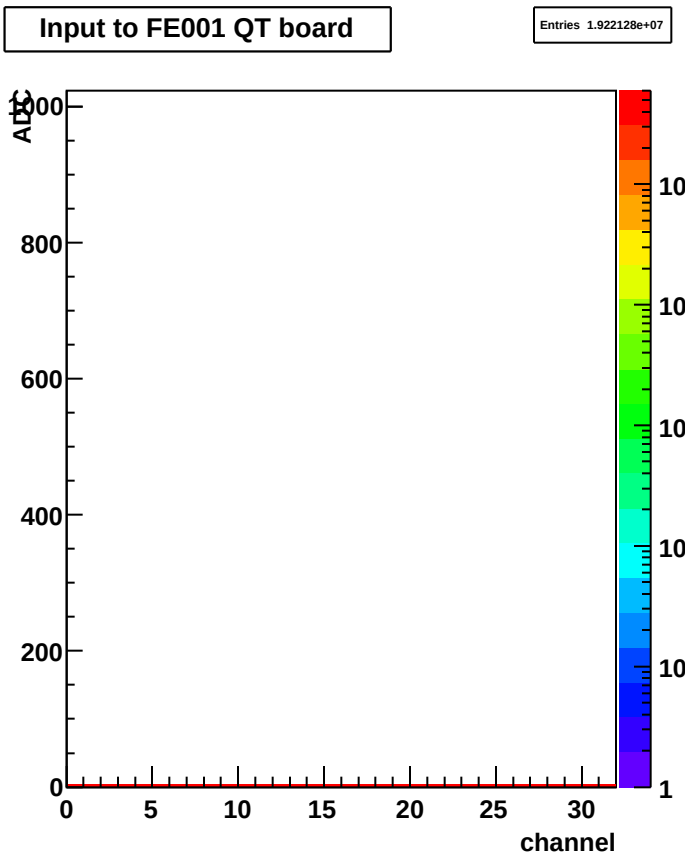

Input to FPD L2 DSM
Entries 1801995
CL bits
600665
600665
600665
SMALL
LARGE-S
LARGE-N

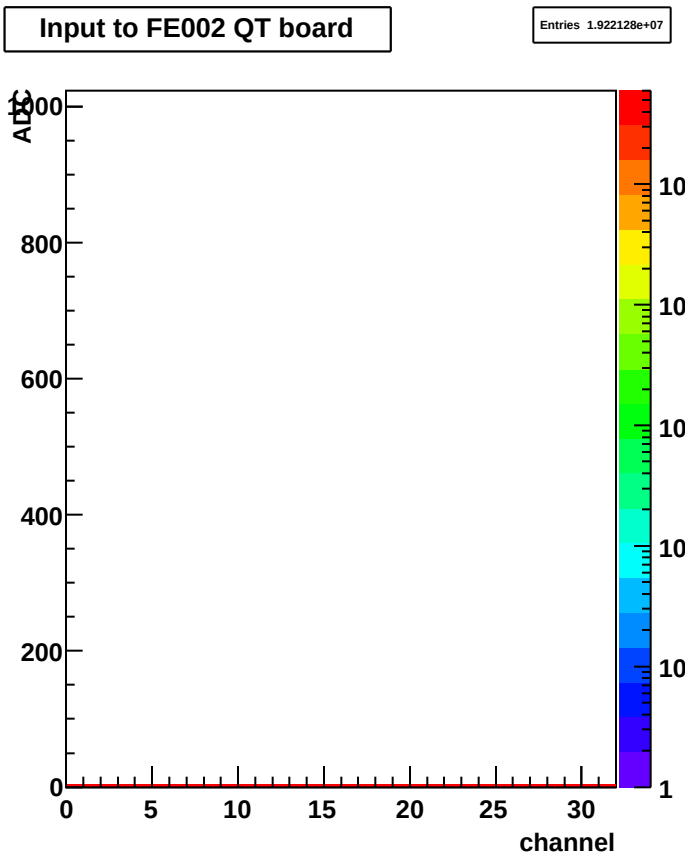

Input to FPD L2 DSM
Entries 1801995
CL bits - simulated
600665
600665
600665
SMALL
LARGE-S
LARGE-N

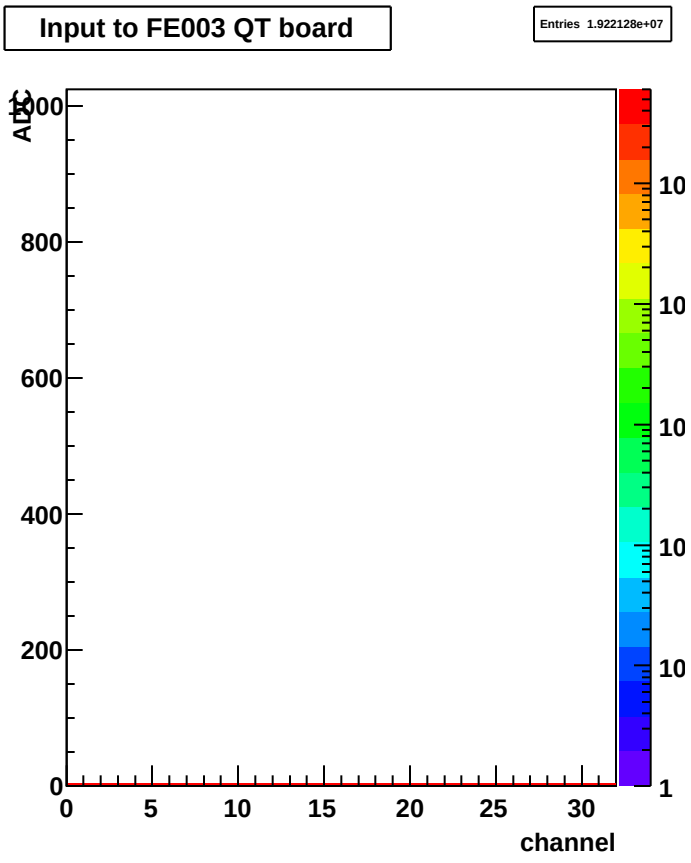

Input to FPD L2 DSM
Entries 1801995
HT bits
598464
600665
600665
2201
SMALL
LARGE-S
LARGE-N

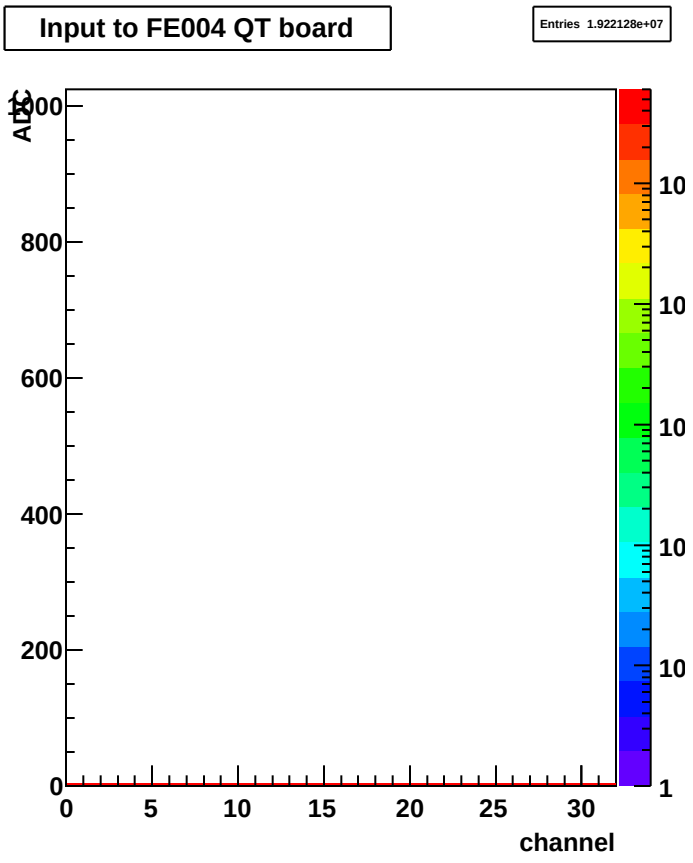

Input to FPD L2 DSM
Entries 1801995
HT bits - simulated
598464
600665
600665
2201
SMALL
LARGE-S
LARGE-N

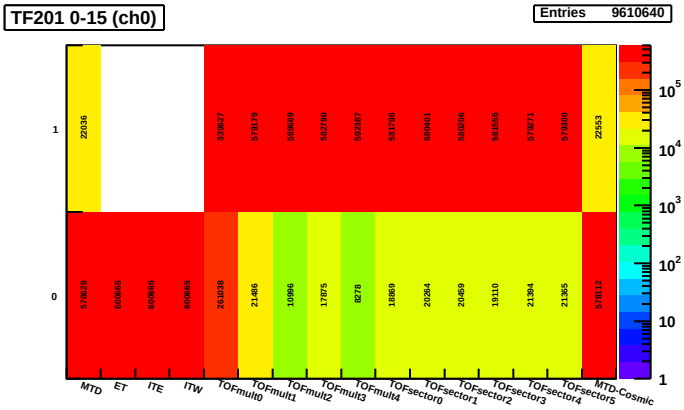

Input to FPD L2 DSM
Entries 2402660
jet patch sum (no FMS-LED)
0
20
40
60
80
100
120
ST
SB
NT
NB
1
10
10^2
10^3
10^4
10^5

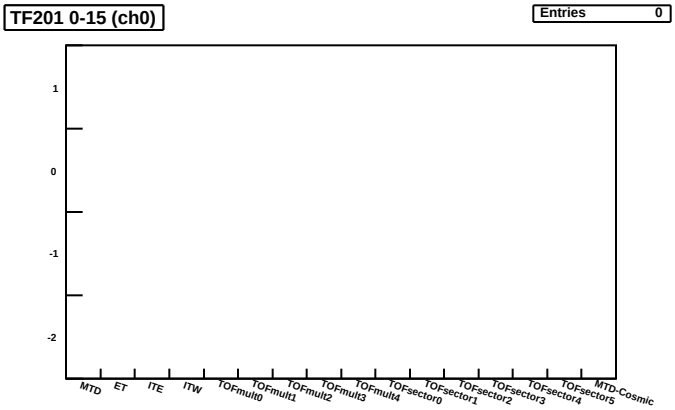

Input to FE001 QT board
Entries 1.922128e+07
ADC
channel

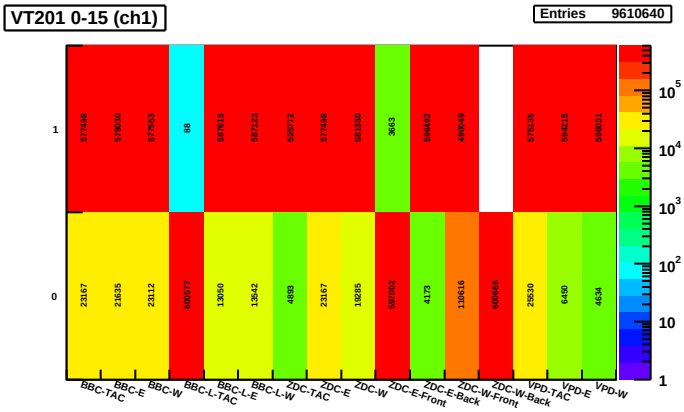

Input to FE002 QT board
Entries 1.922128e+07
ADC
channel

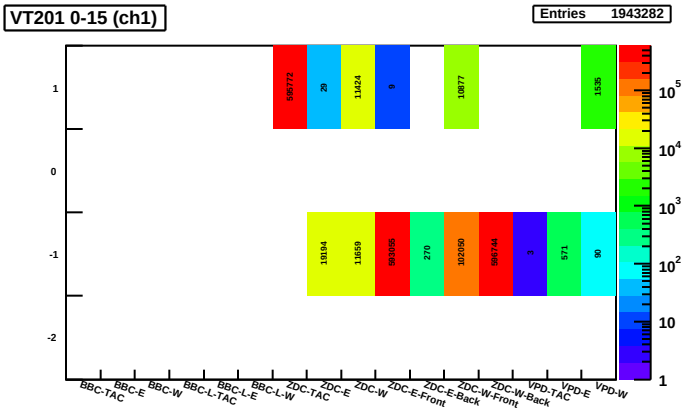

Input to FE003 QT board
Entries 1.922128e+07
ADC
channel

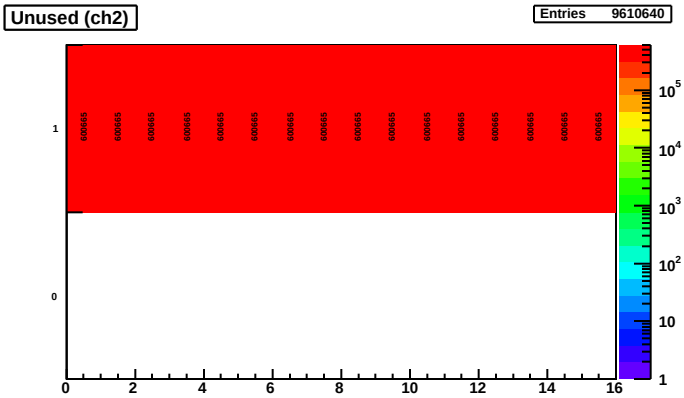

Input to FE004 QT board
Entries 1.922128e+07
ADC
channel

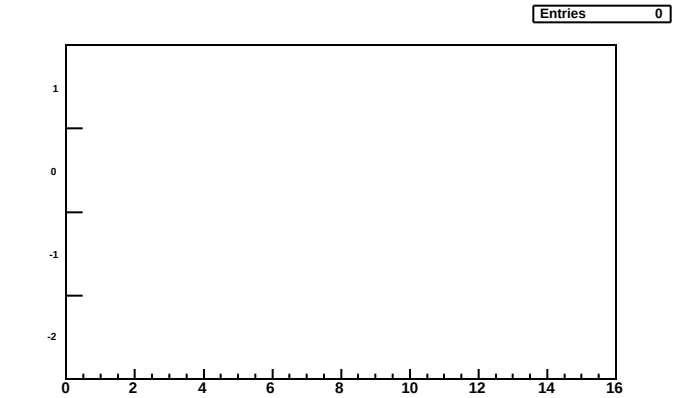

TF201 0-15 (ch0)
Entries 9610640
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

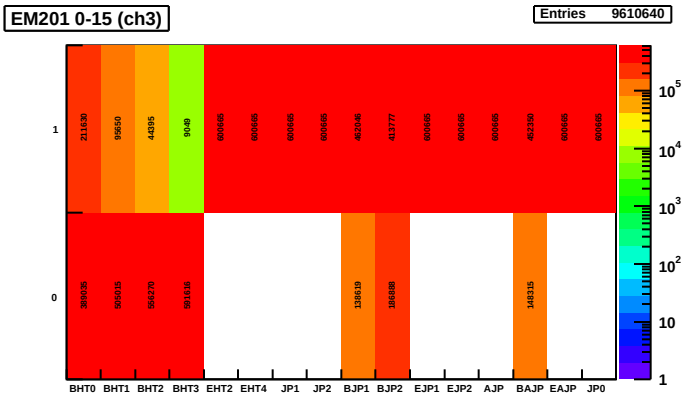

TF201 0-15 (ch0)
Entries 0
MTD ET ITE ITW TOFmult0 TOFmult1 TOFmult2 TOFmult3 TOFmult4 TOFsector0 TOFsector1 TOFsector2 TOFsector3 TOFsector4 TOFsector5 MTD-Cosmic

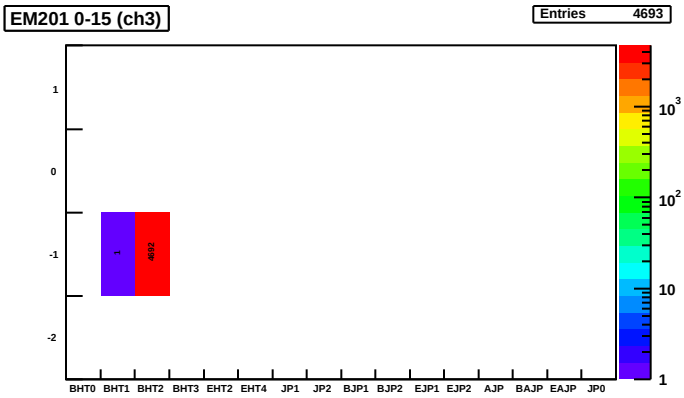

VT201 0-15 (ch1)
Entries 9610640
BBC-TAC BBC-E BBC-W BBC-L-TAC BBC-L-E BBC-L-W ZDC-TAC ZDC-E ZDC-W ZDC-E-Front ZDC-E-Back ZDC-W-Front ZDC-W-Back VPD-TAC VPD-E VPD-W


VT201 0-15 (ch1)
Entries 1943282
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

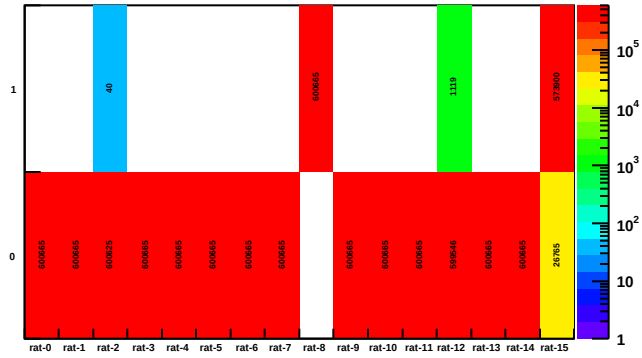

Unused (ch2)
Entries 9610640

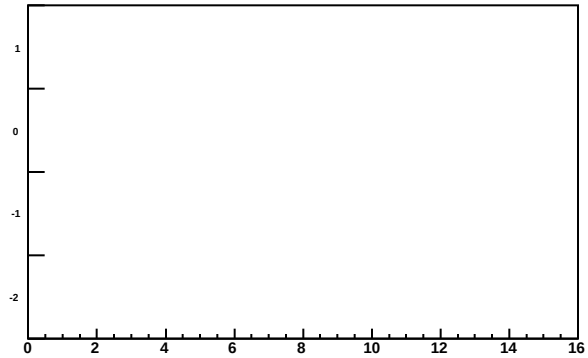

Entries 0


EM201 0-15 (ch3)
Entries 9610640
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

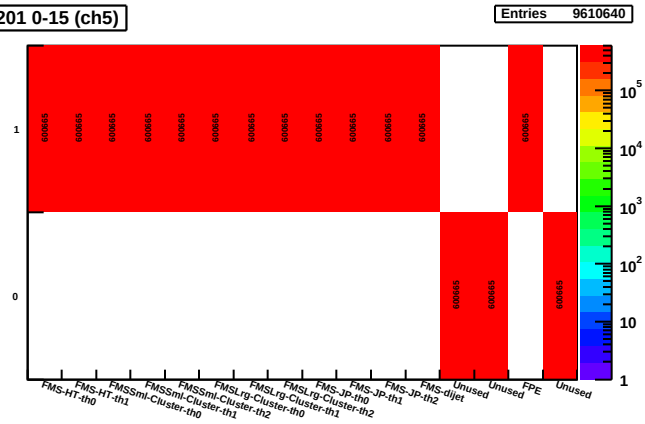

EM201 0-15 (ch3)
Entries 4693
BHT0 BHT1 BHT2 BHT3 EHT2 EHT4 JP1 JP2 BJP1 BJP2 EJP1 EJP2 AJP BAJP EAJP JP0

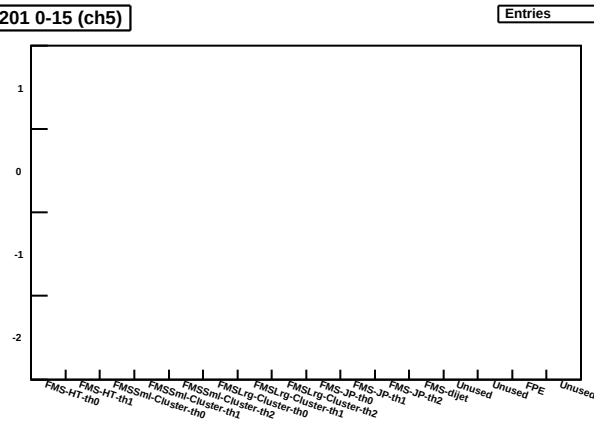
RAT board (ch4)



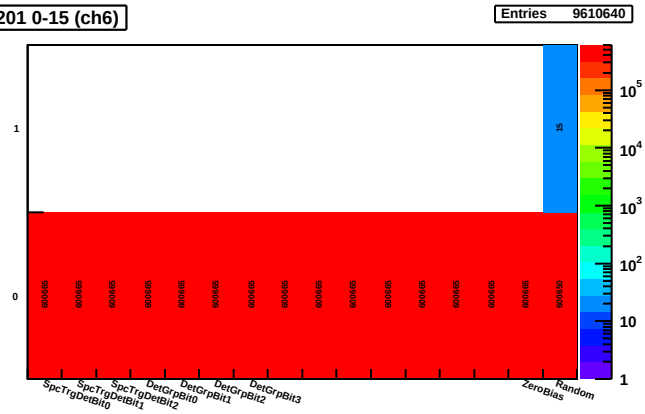


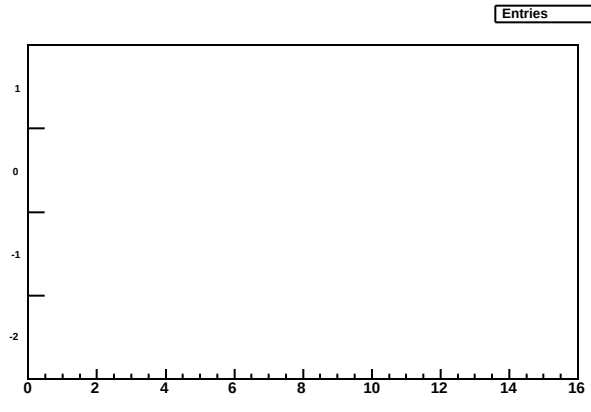
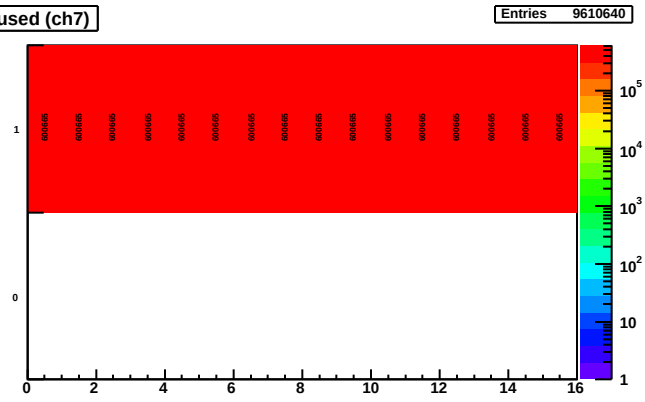
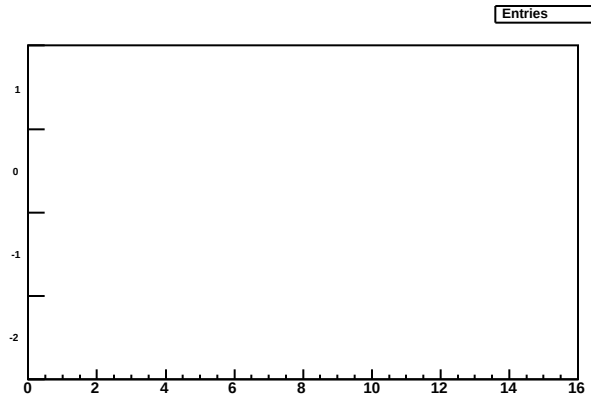
FP201 0-15 (ch5)





ST201 0-15 (ch6)





Unused (ch7)