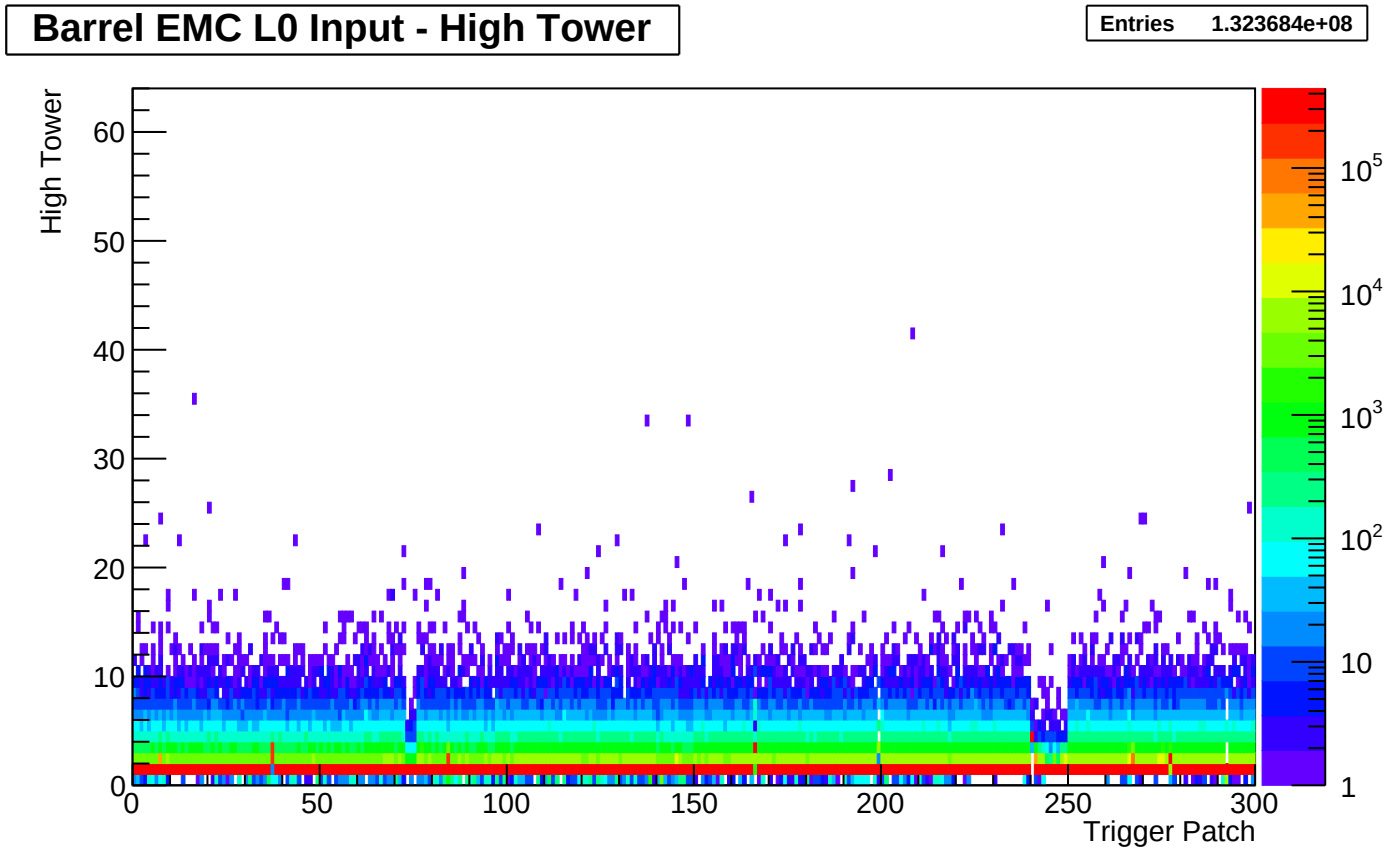
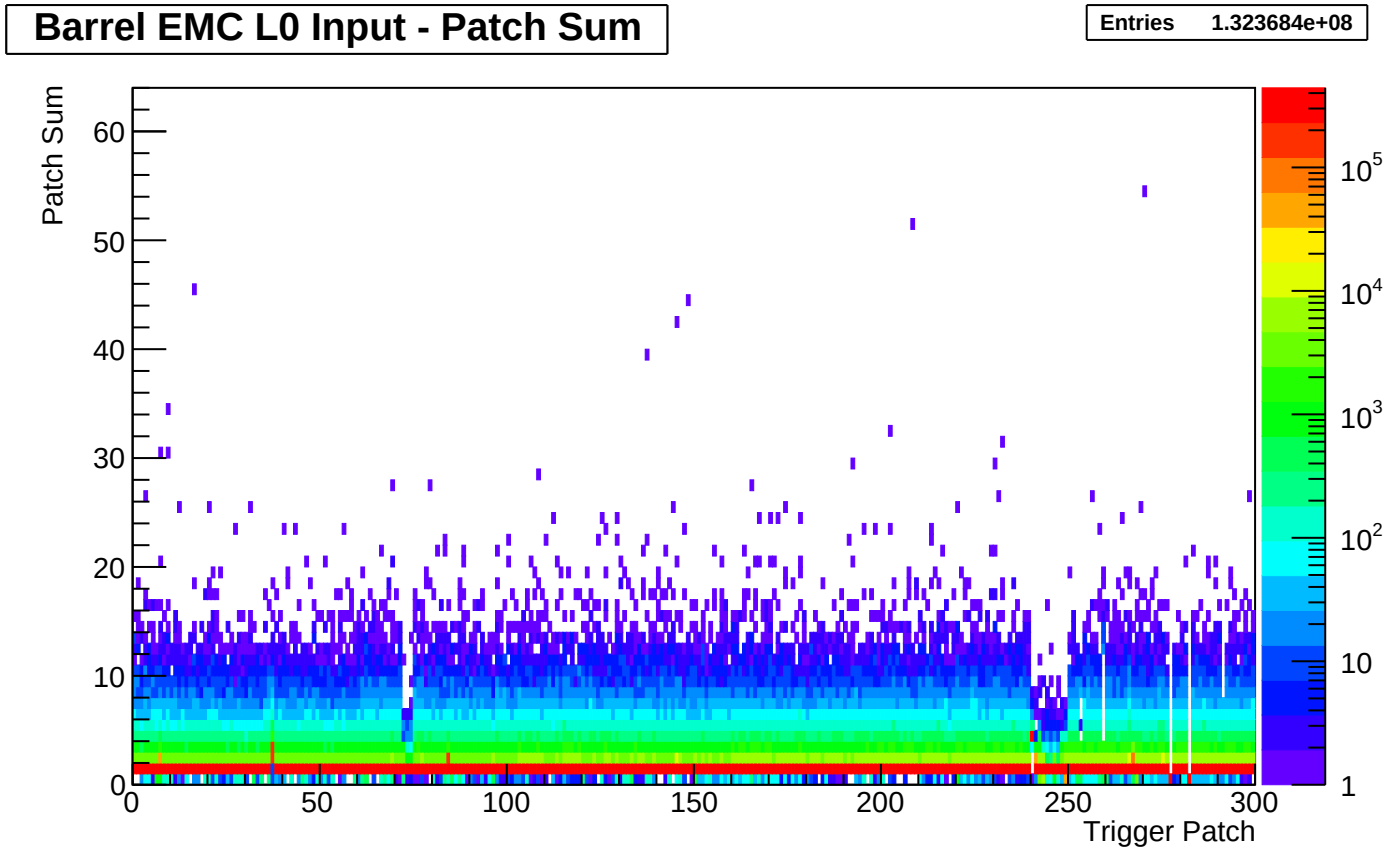
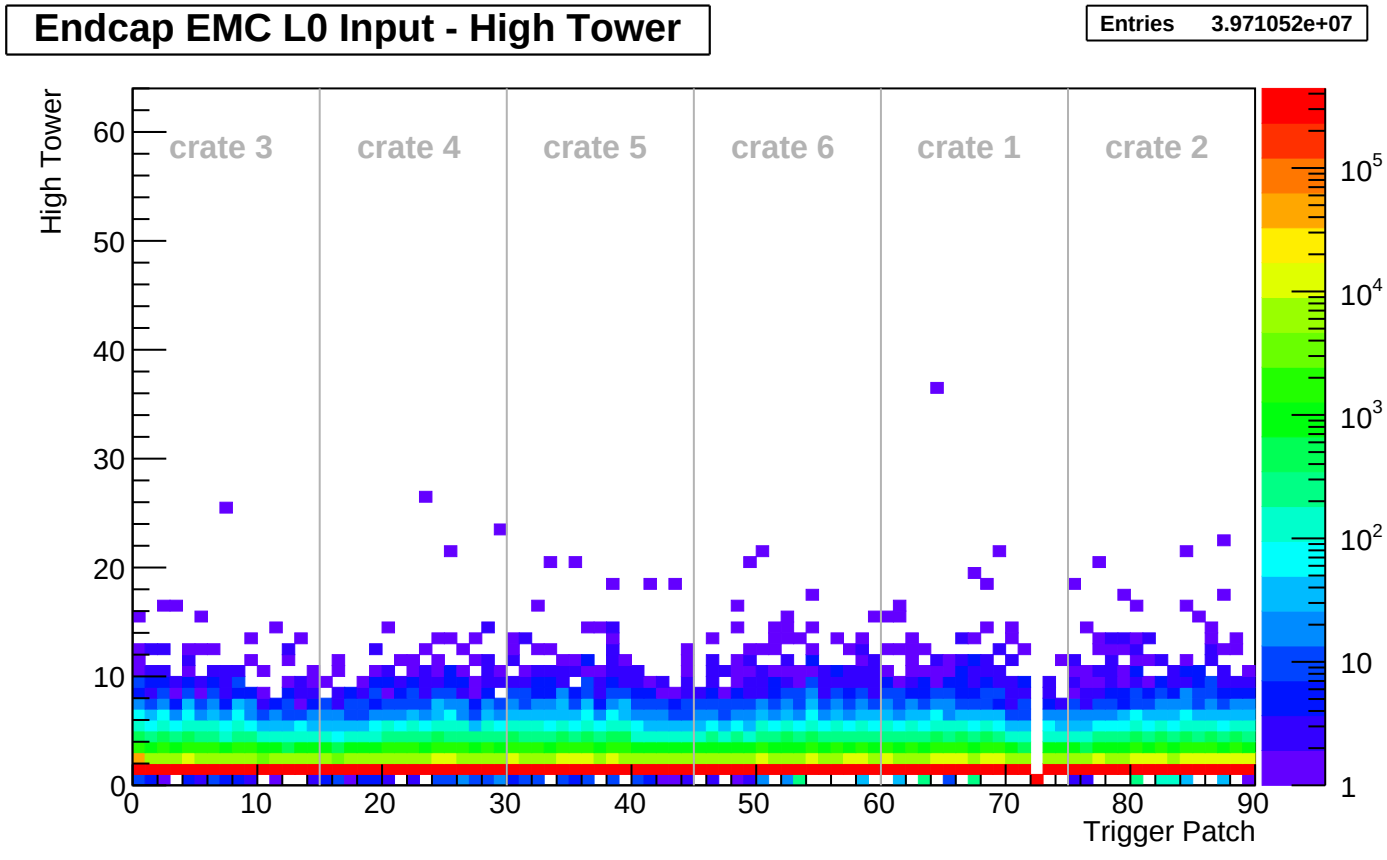
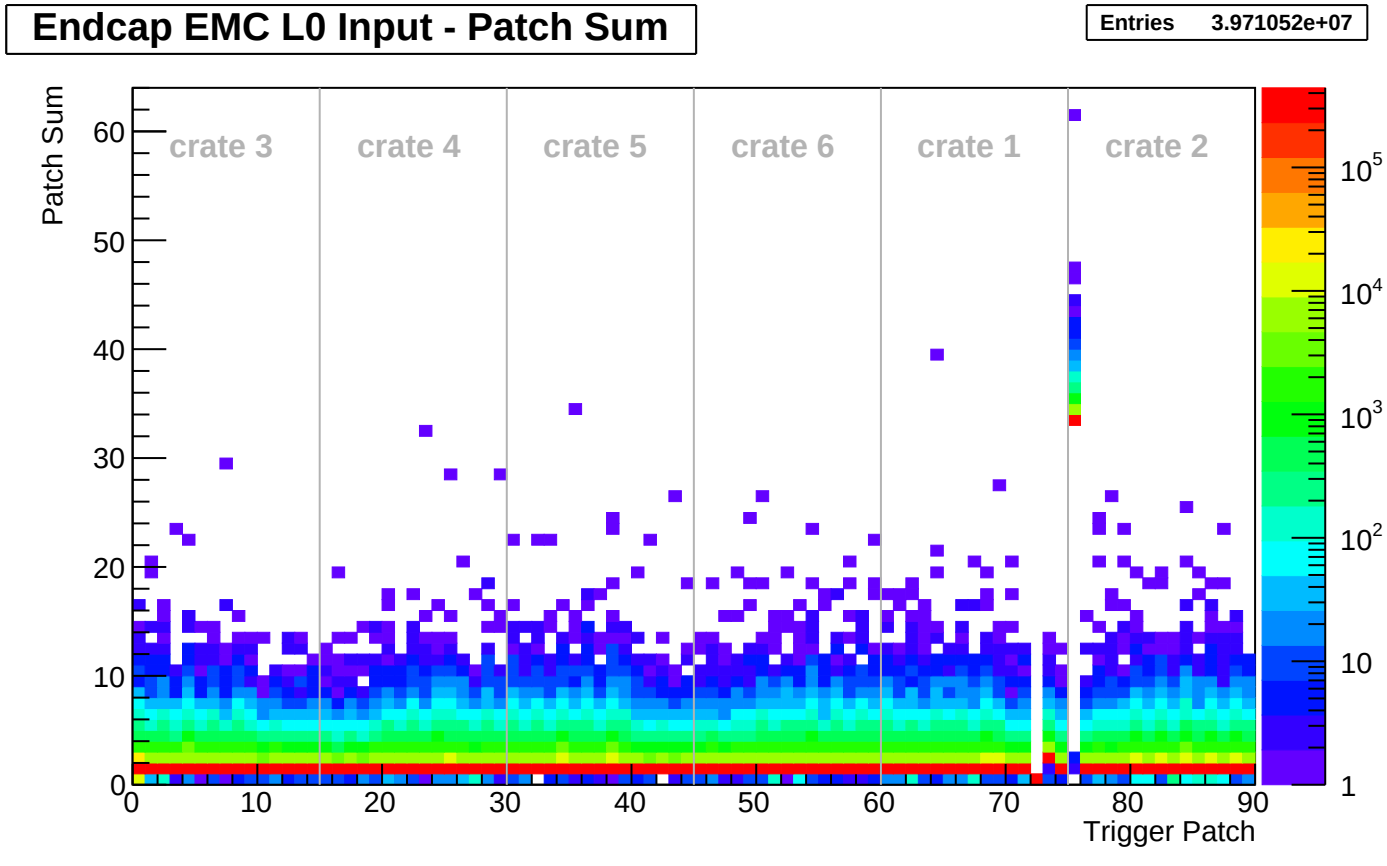
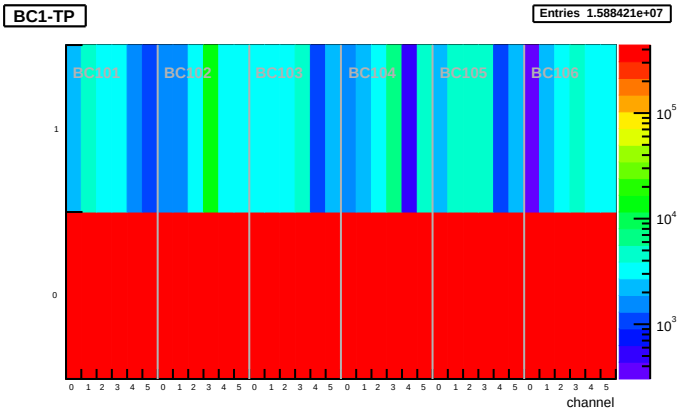
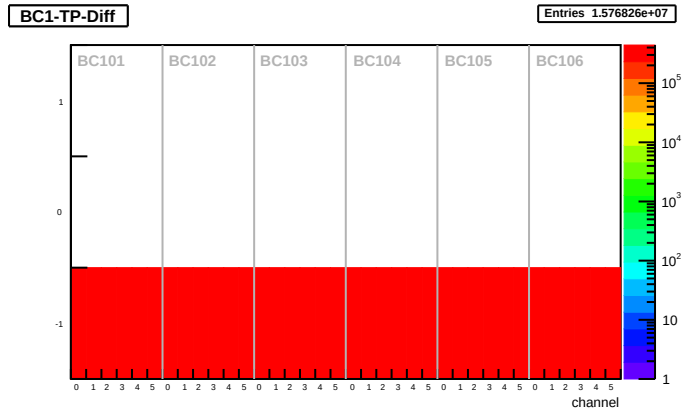

Barrel EMC L0 Input - High Tower
Entries 1.323684e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

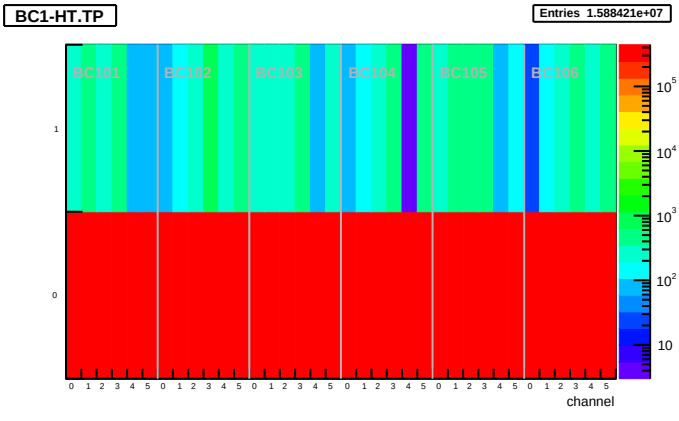

Barrel EMC L0 Input - Patch Sum
Entries 1.323684e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

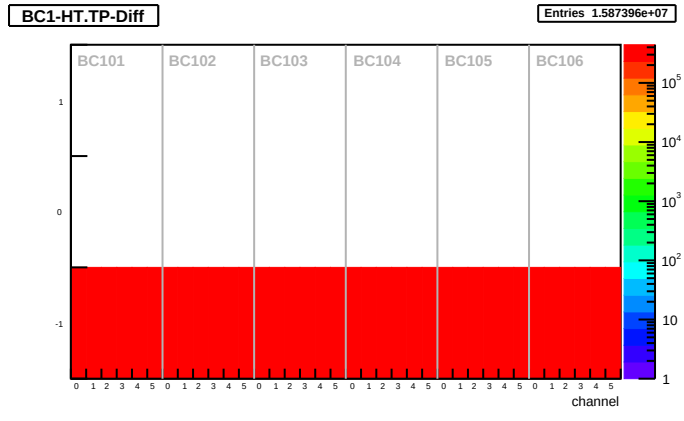

Endcap EMC L0 Input - High Tower
Entries 3.971052e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

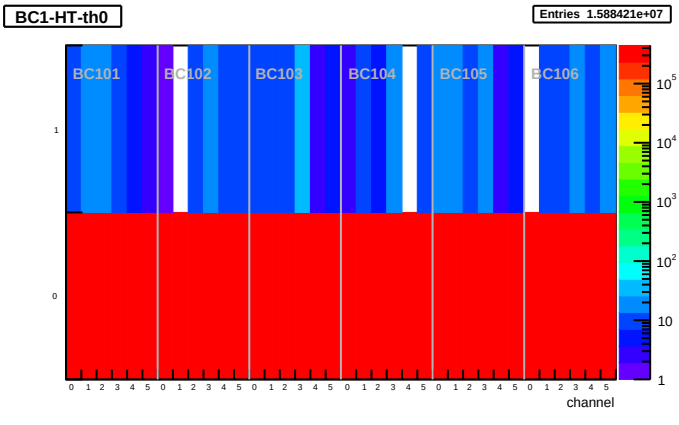

Endcap EMC L0 Input - Patch Sum
Entries 3.971052e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

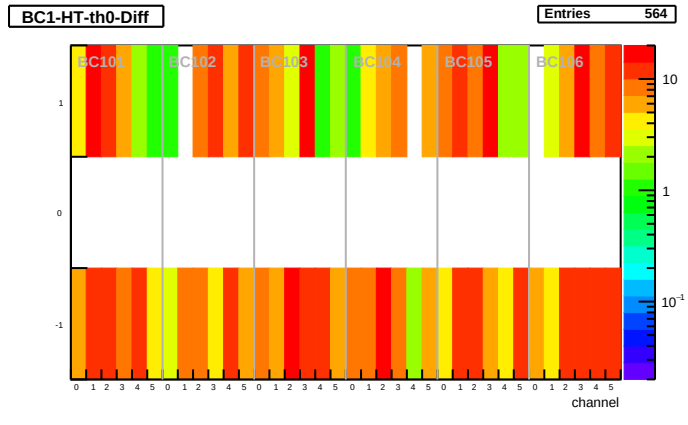

BC1-TP
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

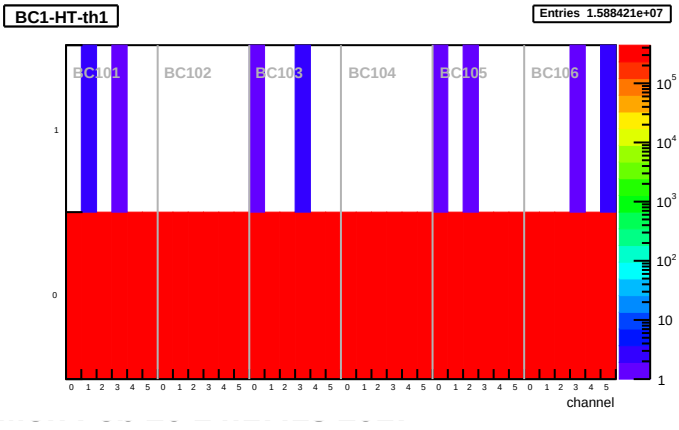

BC1-TP-Diff
Entries 1.576826e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

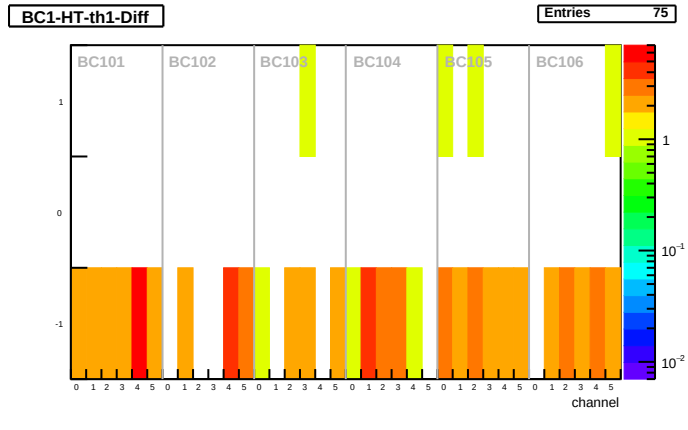

BC1-HT.TP
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

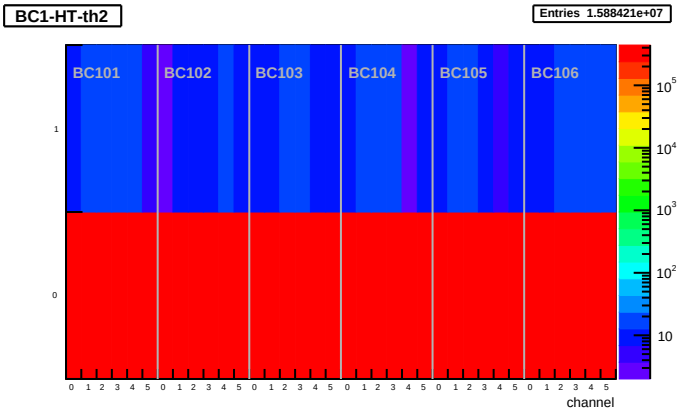

BC1-HT.TP-Diff
Entries 1.587396e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

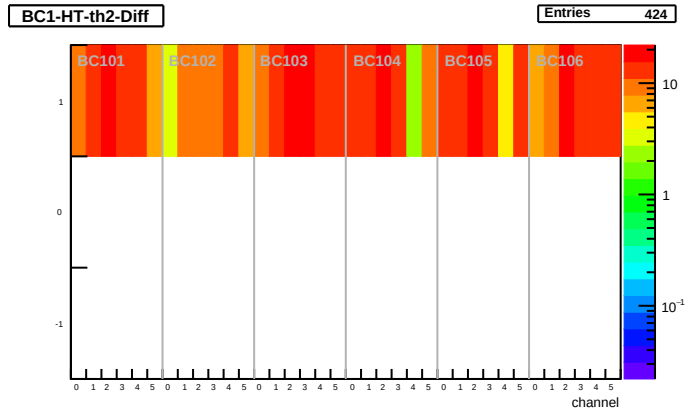

BC1-HT-th0
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

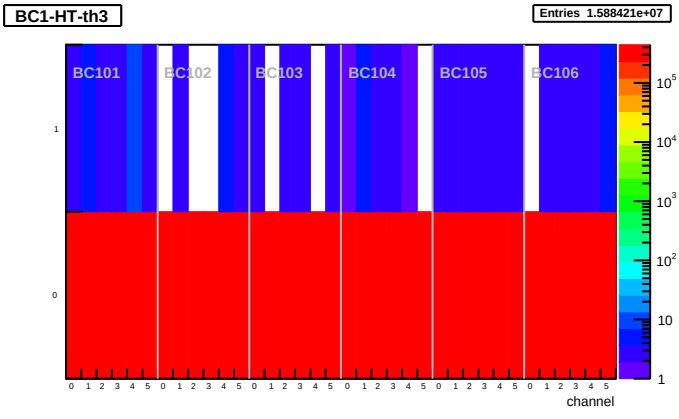

BC1-HT-th0-Diff
Entries 564
BC101
BC102
BC103
BC104
BC105
BC106
channel

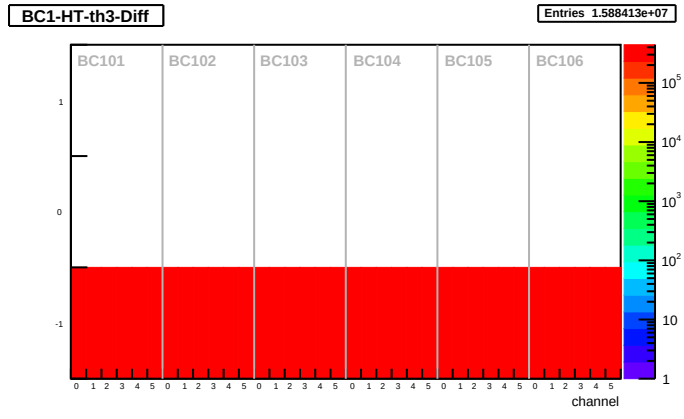

BC1-HT-th1
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

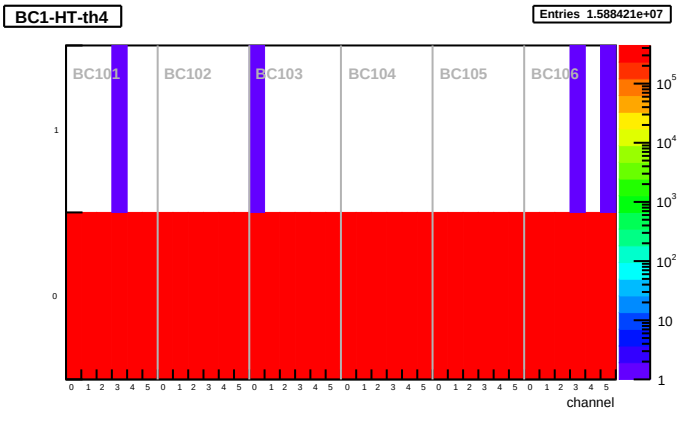

BC1-HT-th1-Diff
Entries 75
BC101
BC102
BC103
BC104
BC105
BC106
channel

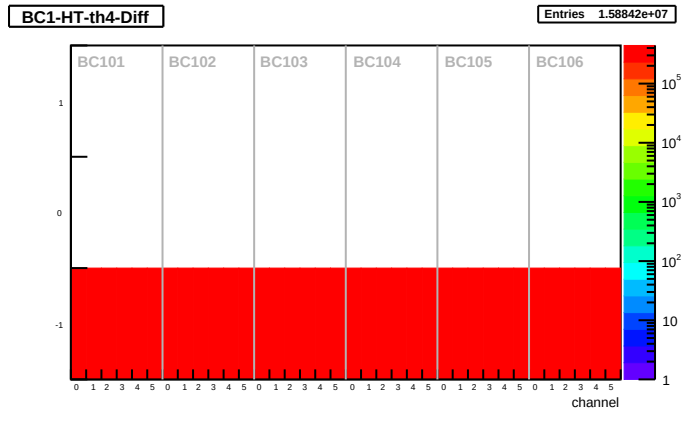

BC1-HT-th2
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

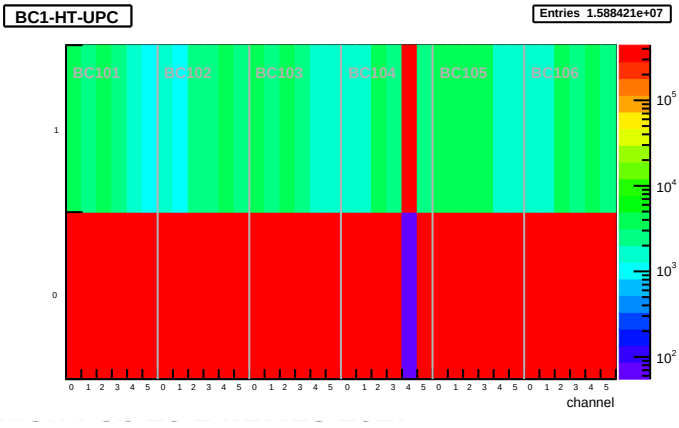

BC1-HT-th2-Diff
Entries 424
BC101
BC102
BC103
BC104
BC105
BC106
channel

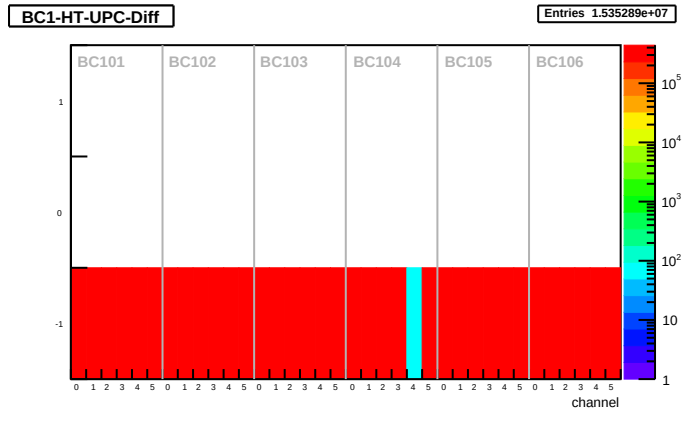

BC1-HT-th3
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

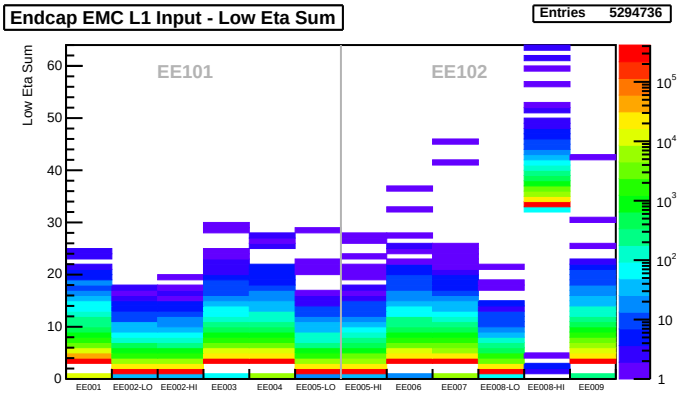

BC1-HT-th3-Diff
Entries 1.588413e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

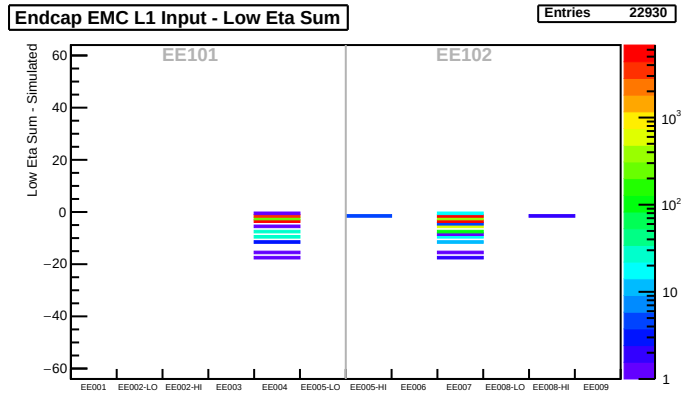

BC1-HT-th4
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

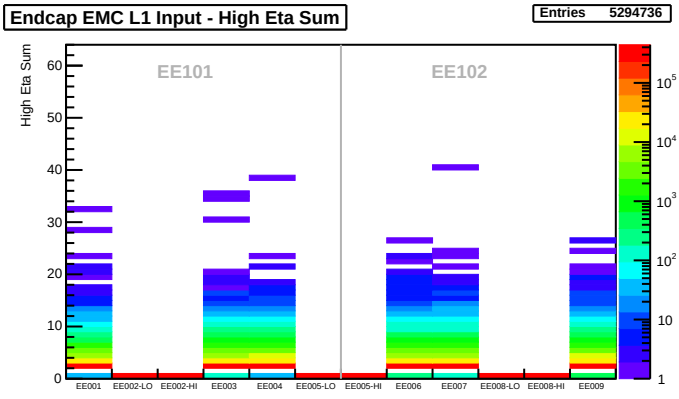

BC1-HT-th4-Diff
Entries 1.58842e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

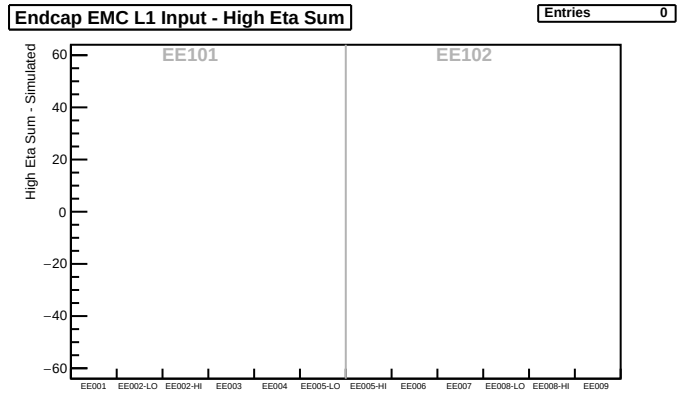

BC1-HT-UPC
Entries 1.588421e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

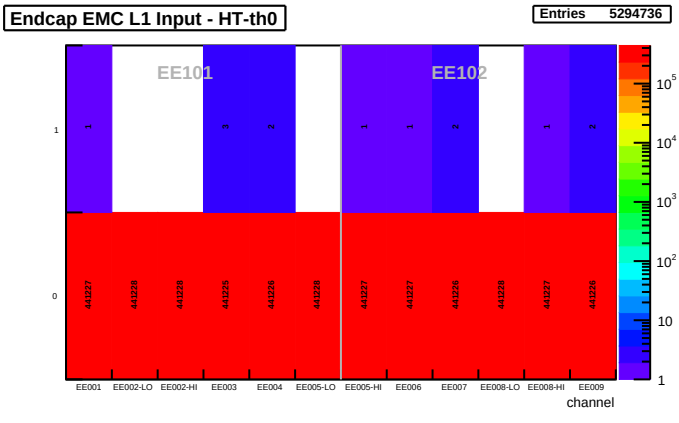

BC1-HT-UPC-Diff
Entries 1.535289e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

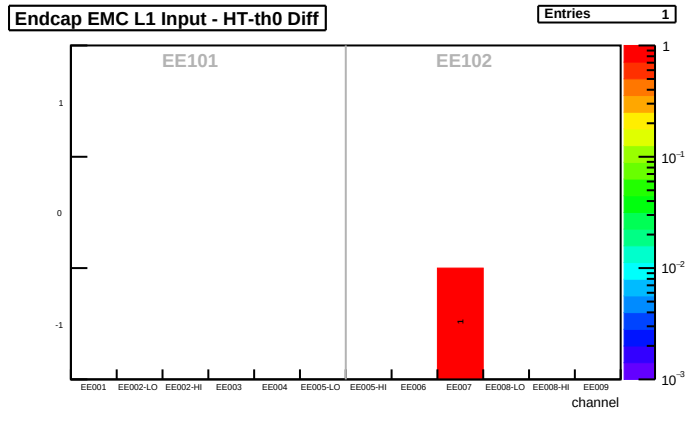

Endcap EMC L1 Input - Low Eta Sum
Entries 5294736
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

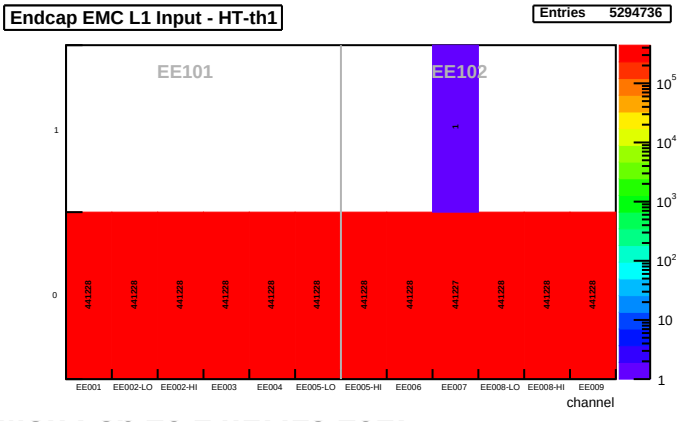

Endcap EMC L1 Input - Low Eta Sum
Entries 22930
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

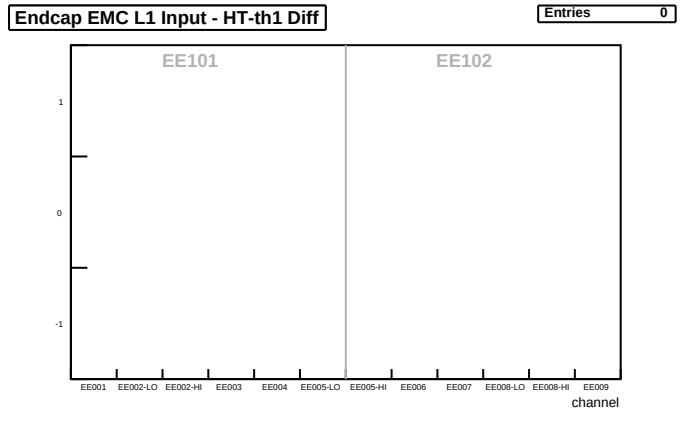

Endcap EMC L1 Input - High Eta Sum
Entries 5294736
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

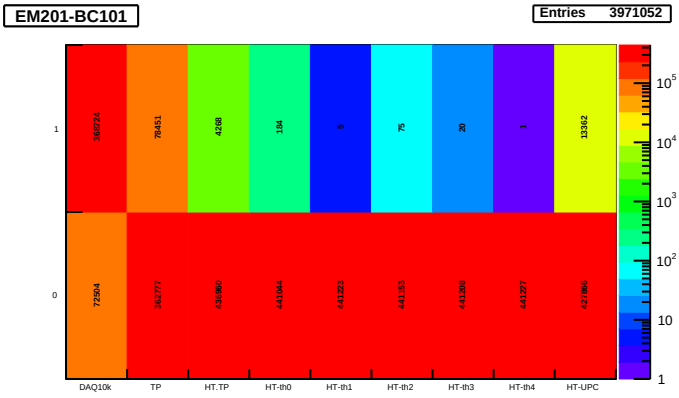

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

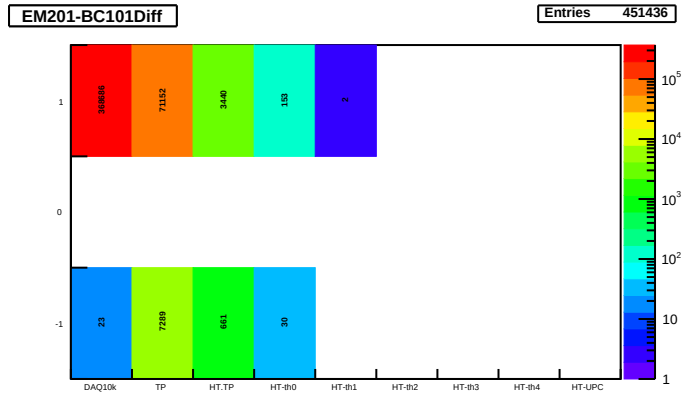

Endcap EMC L1 Input - HT-th0
Entries 5294736
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

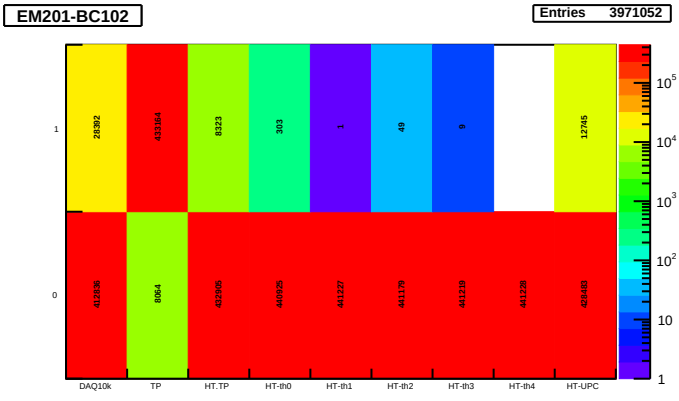

Endcap EMC L1 Input - HT-th0 Diff
Entries 1
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

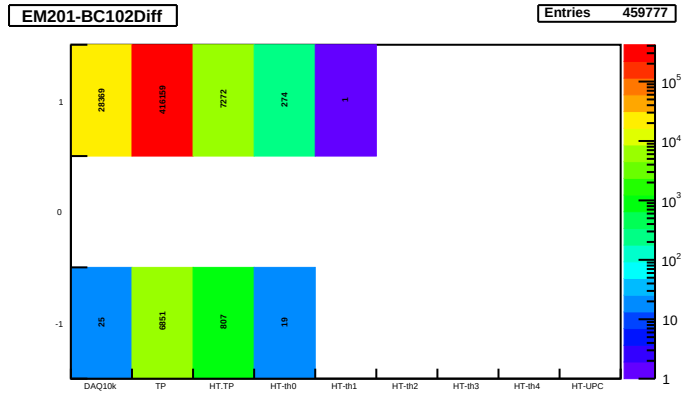

Endcap EMC L1 Input - HT-th1
Entries 5294736
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

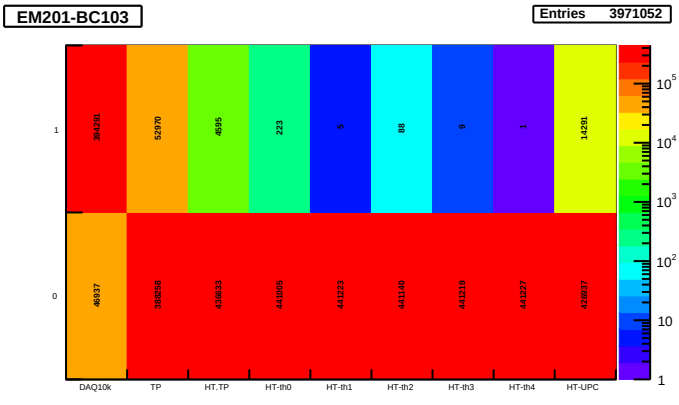

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

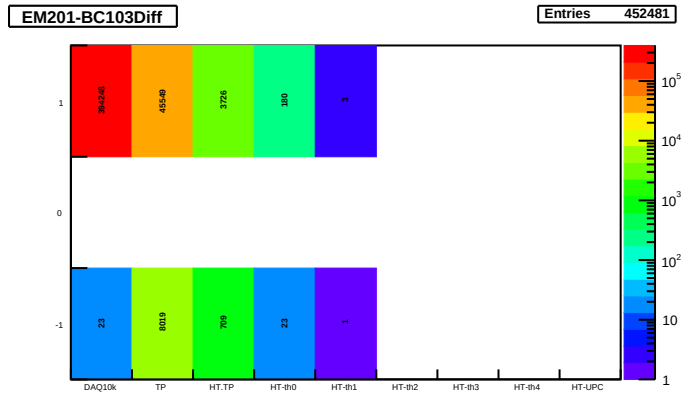

EM201-BC101
Entries 3971052
1
0
358724
76451
4268
184
5
75
20
1
13362
72904
362777
436960
441044
441223
441153
441208
441227
427886
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

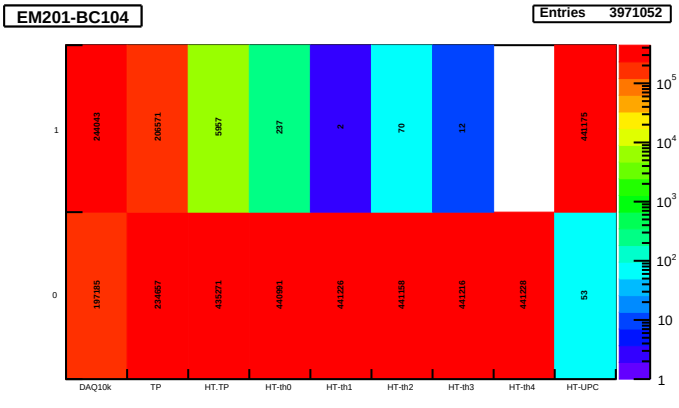

EM201-BC101Diff
Entries 451436
1
0
-1
358586
71152
3440
153
2
23
7289
661
30
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

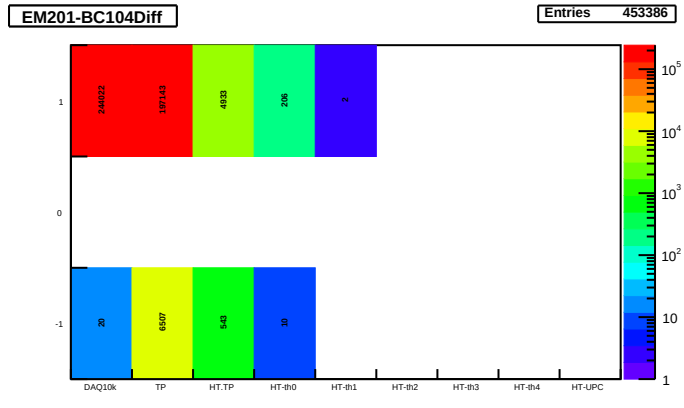

EM201-BC102
Entries 3971052
1
0
23392
433164
8323
303
1
49
9
12745
412836
8064
432905
440925
441227
441179
441219
441228
428483
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201-BC102Diff
Entries 459777
1
0
-1
23369
416159
7272
274
1
25
6851
807
19
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

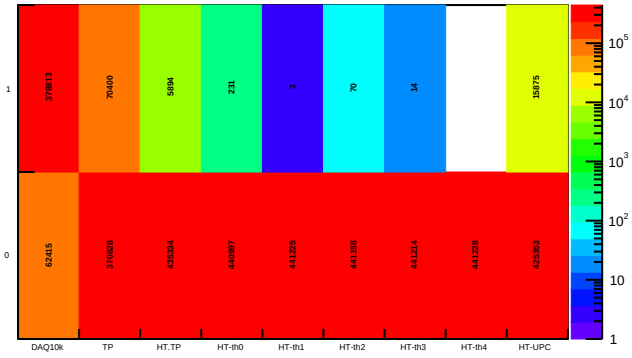

EM201-BC103
Entries 3971052
1
0
394231
52970
4595
223
5
88
9
1
14281
46937
388258
436633
441005
441223
441140
441219
441227
428937
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201-BC103Diff
Entries 452481
1
0
-1
394248
45549
3726
180
3
23
8019
709
23
1
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

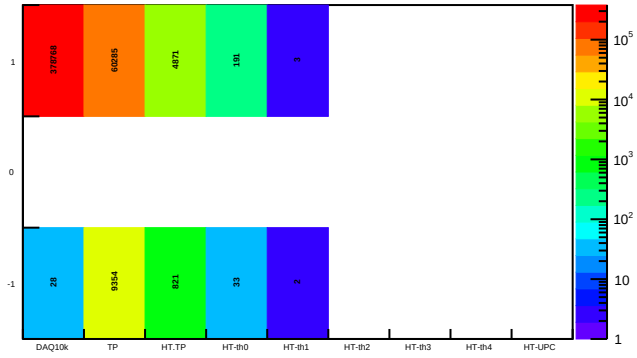

EM201-BC104
Entries 3971052
1
0
244043
206571
5957
237
2
70
12
441175
197185
234657
435271
440991
441226
441158
441216
441228
53
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201-BC104Diff
Entries 453386
1
0
-1
244022
197143
4933
206
2
20
6507
543
10
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

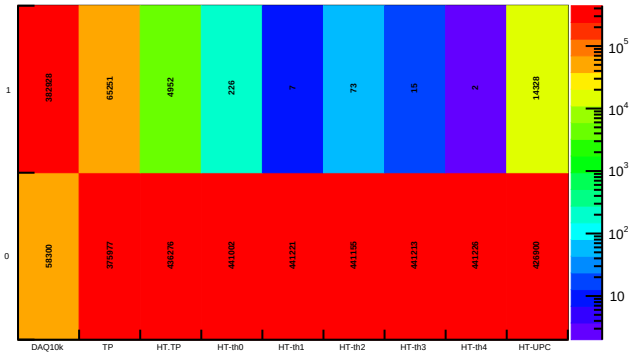
**EM201-BC105** Entries 3971052



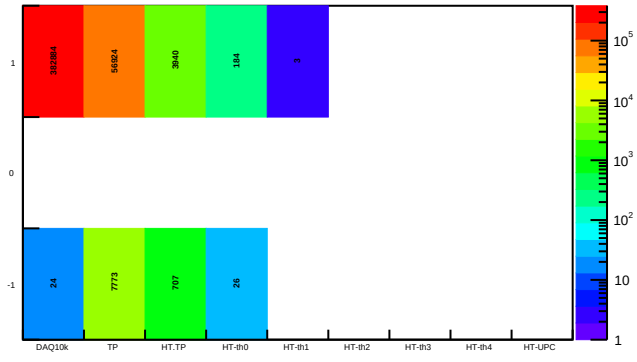

**EM201-BC105Diff** Entries 454356



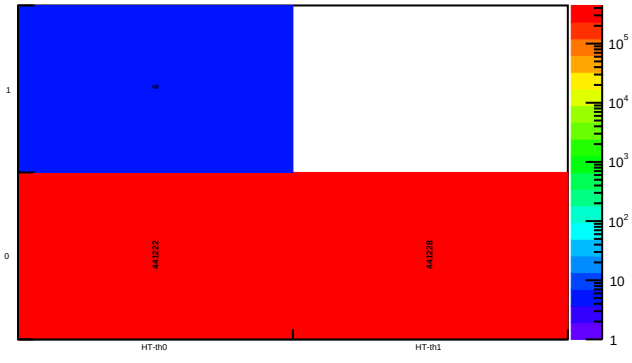

**EM201-BC106** Entries 3971052



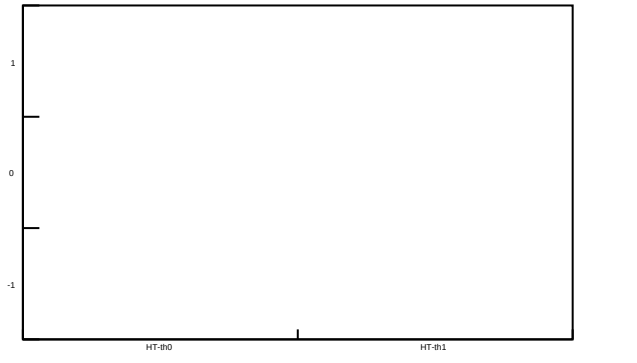

**EM201-BC106Diff** Entries 452465



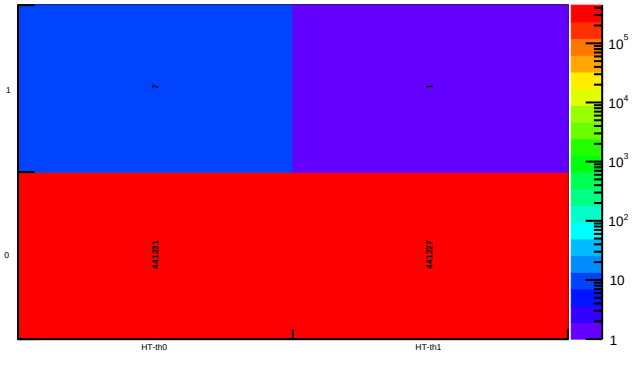

**EM201-EE101** Entries 882456



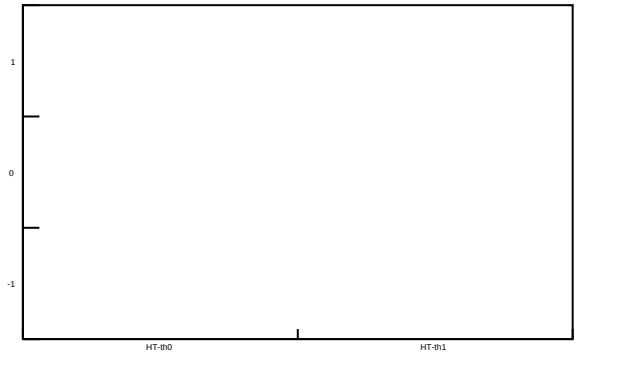

**EM201-EE101Diff** Entries 0

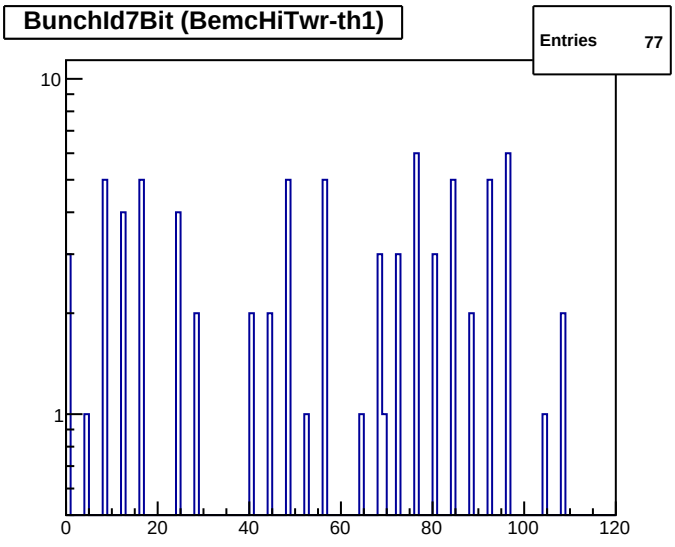


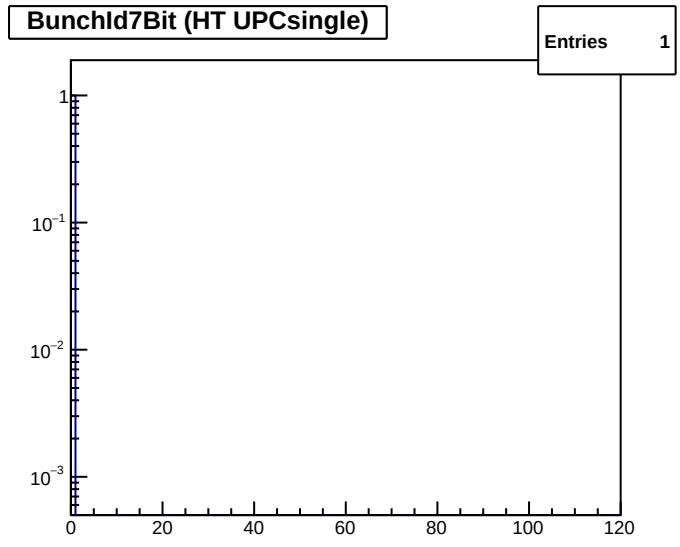

**EM201-EE102** Entries 882456

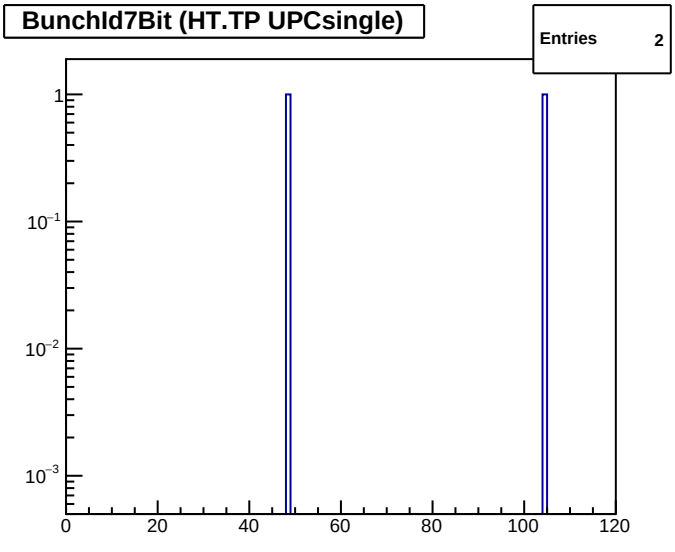


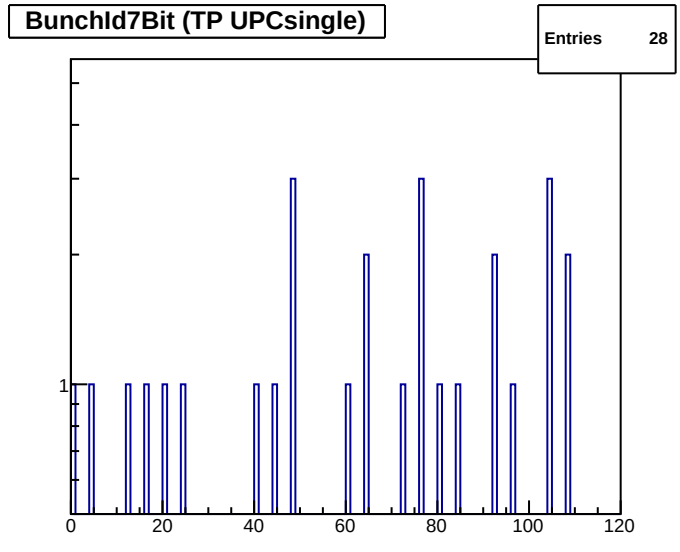

**EM201-EE102Diff** Entries 0

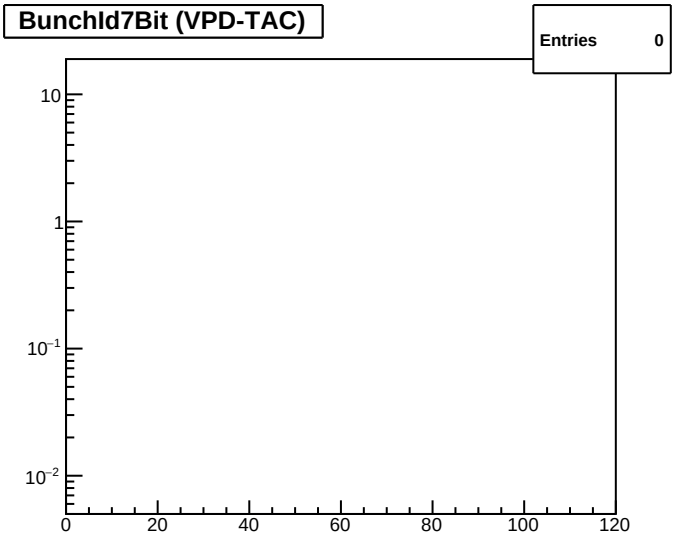


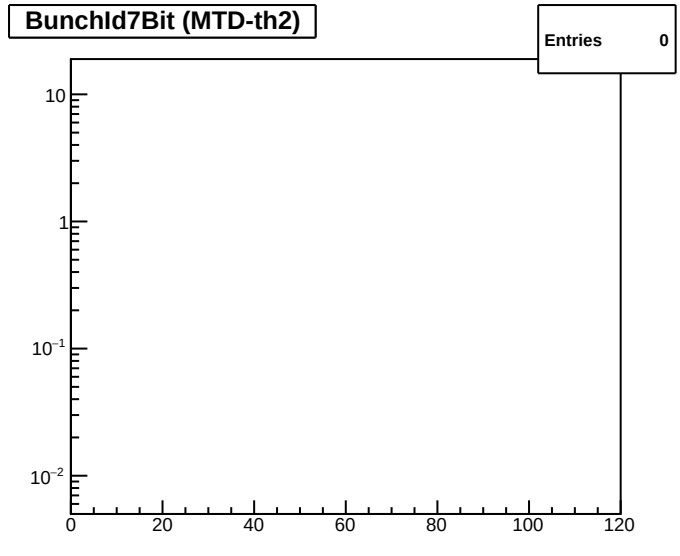

BunchId7Bit (BemcHiTwr-th1)
Entries 77
10
1
0 20 40 60 80 100 120

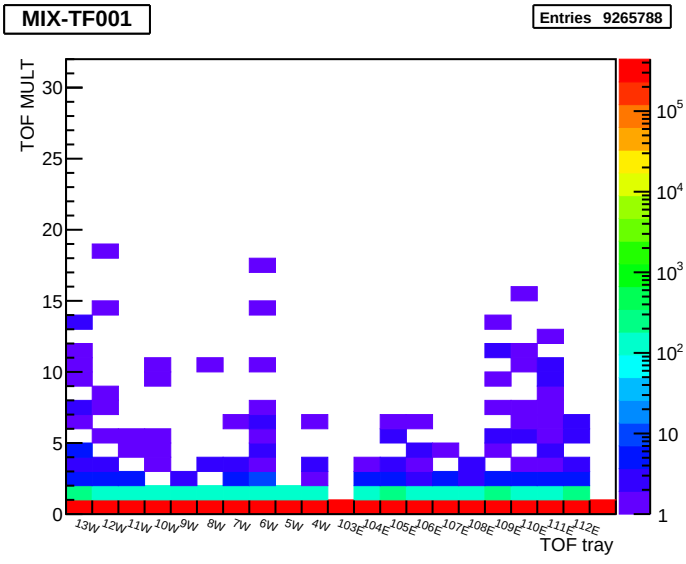

BunchId7Bit (HT UPCsingle)
Entries 1
1
$10^{-1}$
$10^{-2}$
$10^{-3}$
0 20 40 60 80 100 120

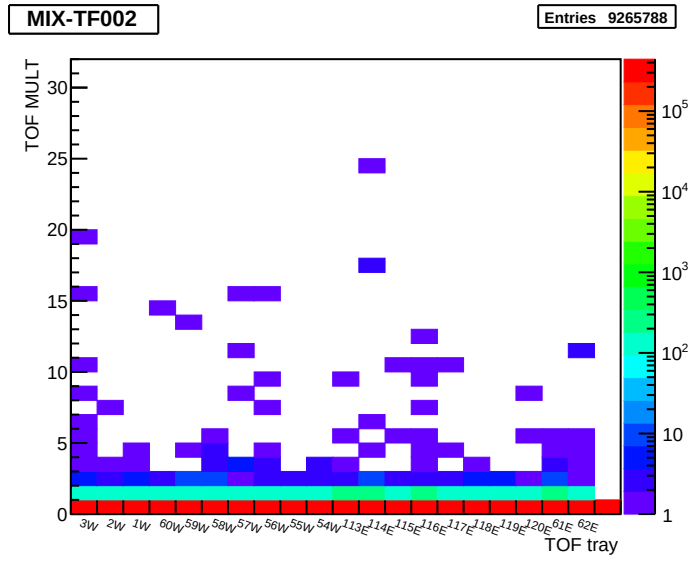

BunchId7Bit (HT.TP UPCsingle)
Entries 2
1
$10^{-1}$
$10^{-2}$
$10^{-3}$
0 20 40 60 80 100 120

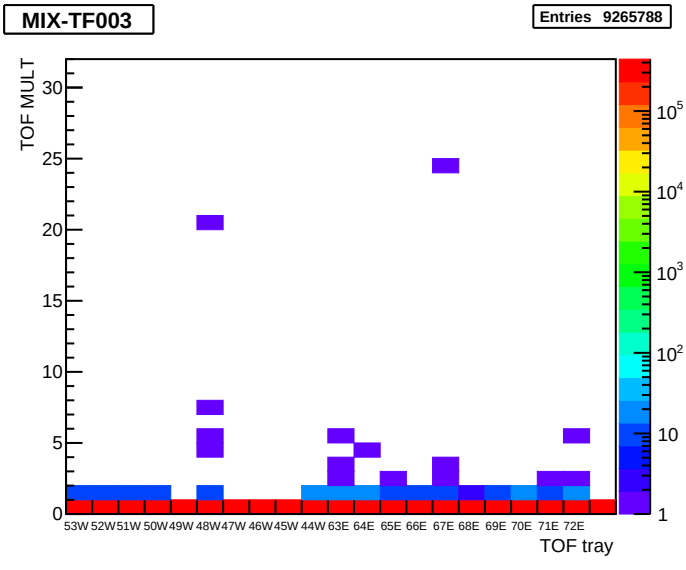

BunchId7Bit (TP UPCsingle)
Entries 28
1
0 20 40 60 80 100 120

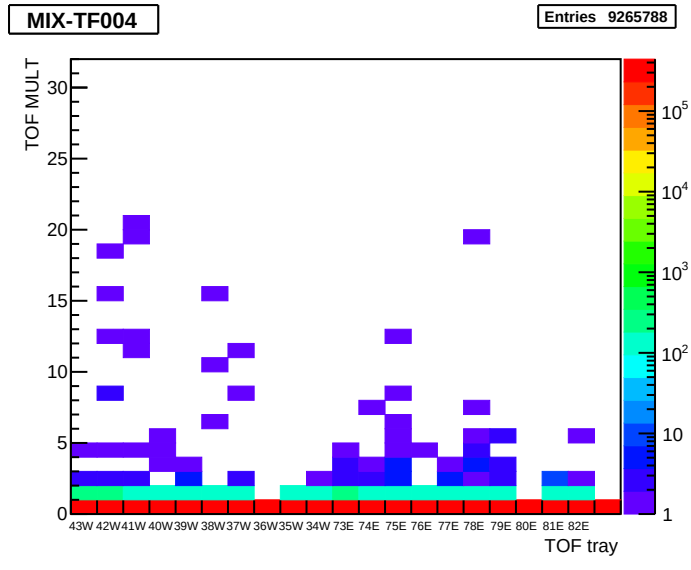

BunchId7Bit (VPD-TAC)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

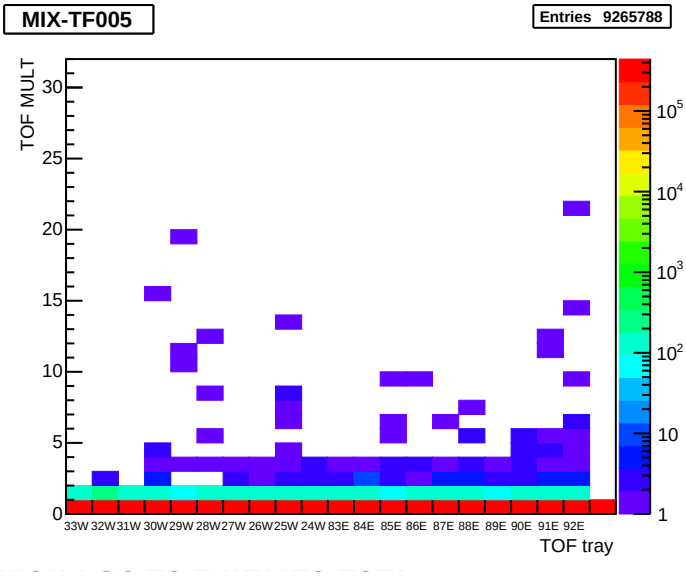

BunchId7Bit (MTD-th2)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

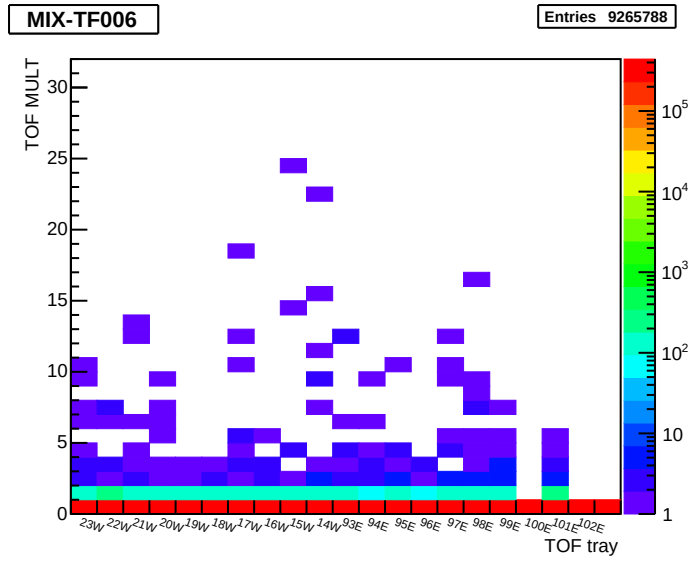

MIX-TF001
Entries 9265788
TOF MULT
TOF tray

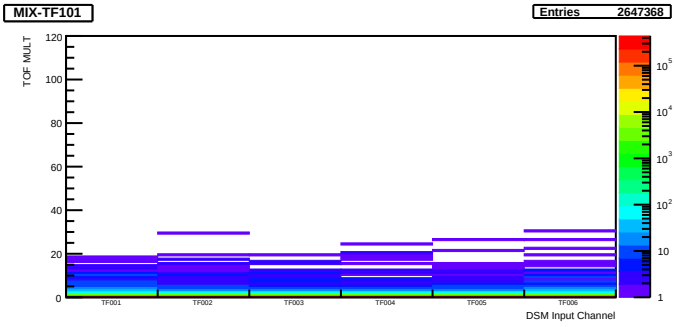

MIX-TF002
Entries 9265788
TOF MULT
TOF tray

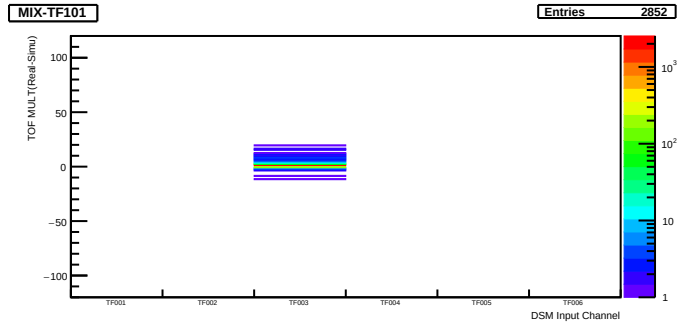

MIX-TF003
Entries 9265788
TOF MULT
TOF tray

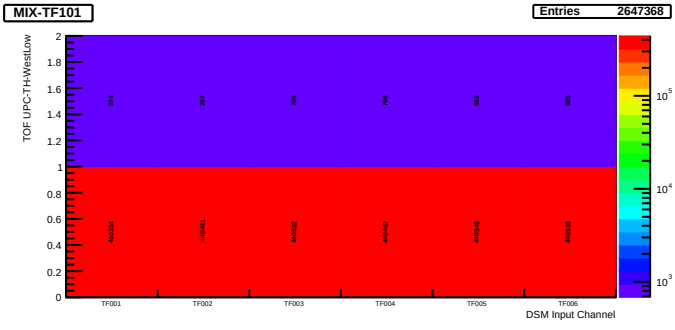

MIX-TF004
Entries 9265788
TOF MULT
TOF tray

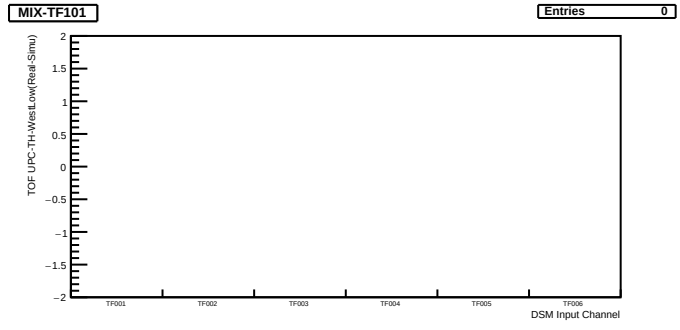

MIX-TF005
Entries 9265788
TOF MULT
TOF tray

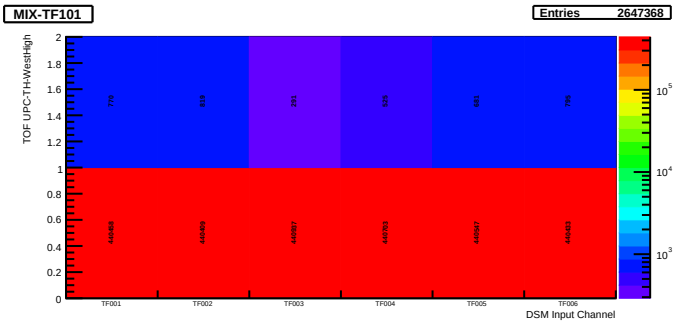

MIX-TF006
Entries 9265788
TOF MULT
TOF tray

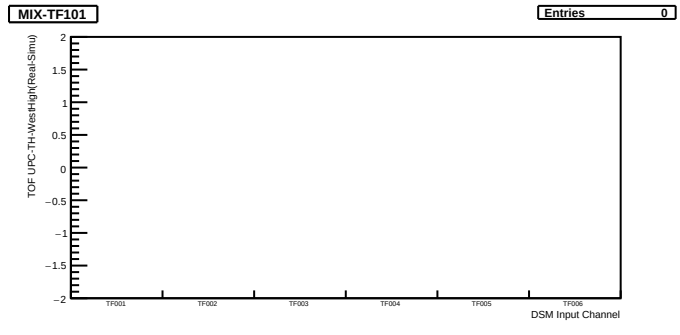

MIX-TF101
Entries 2647368
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

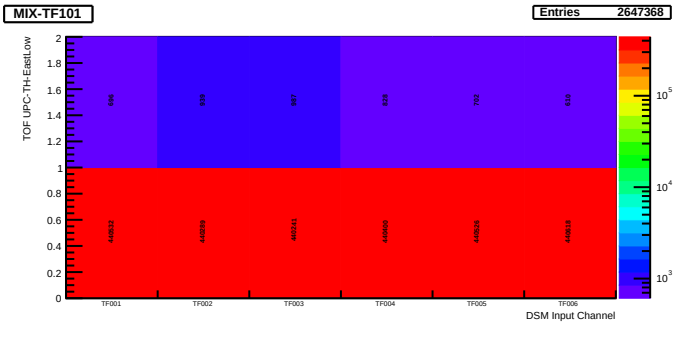

MIX-TF101
Entries 2852
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

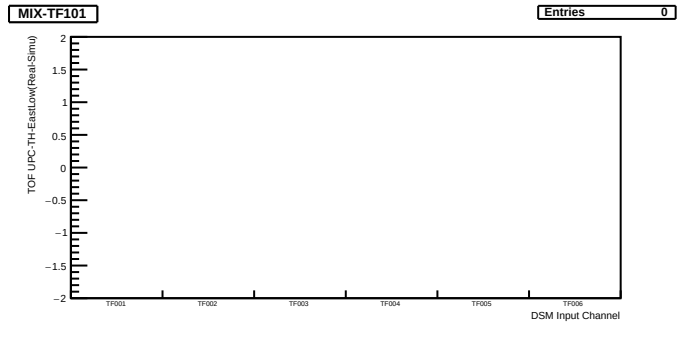

MIX-TF101
Entries 2647368
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

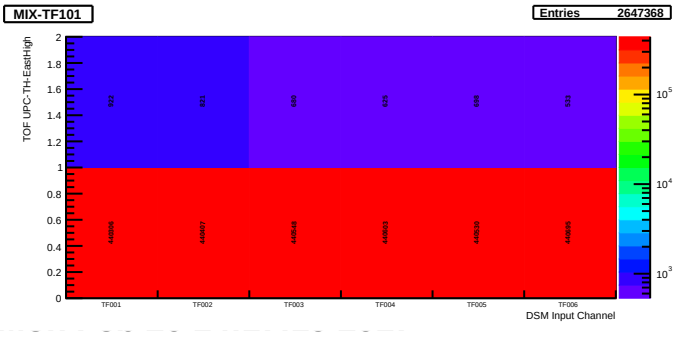

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

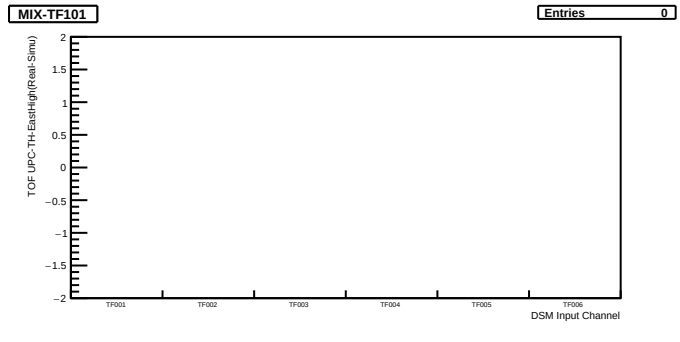

MIX-TF101
Entries 2647368
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

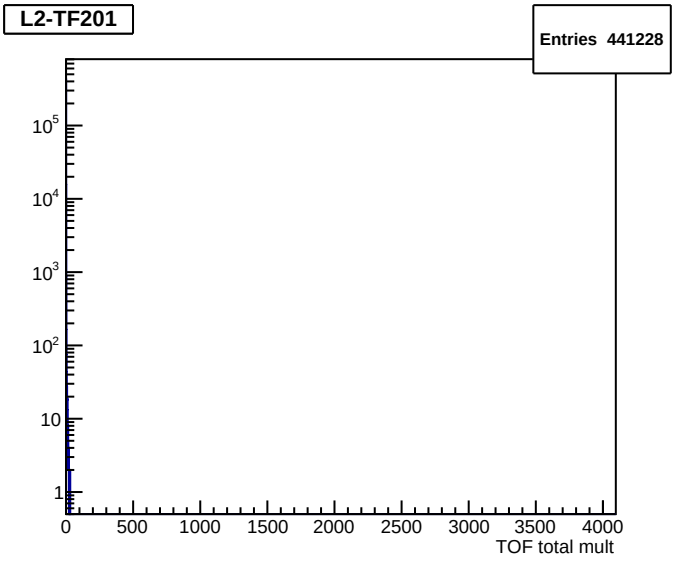

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

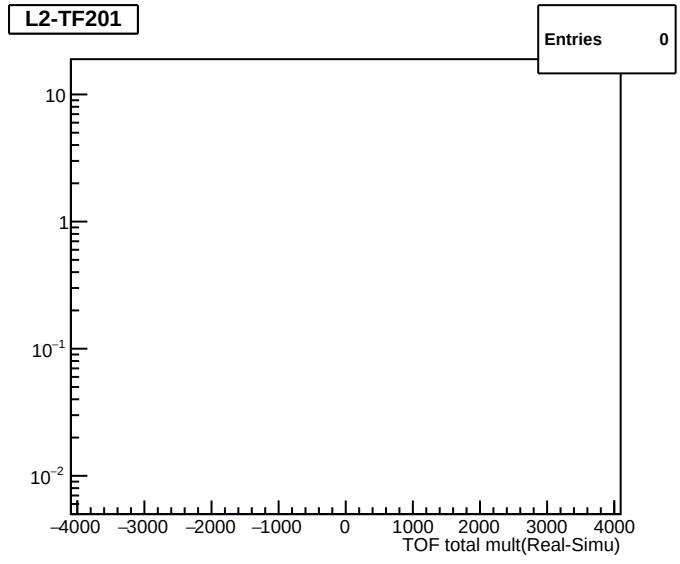

MIX-TF101
Entries 2647368
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

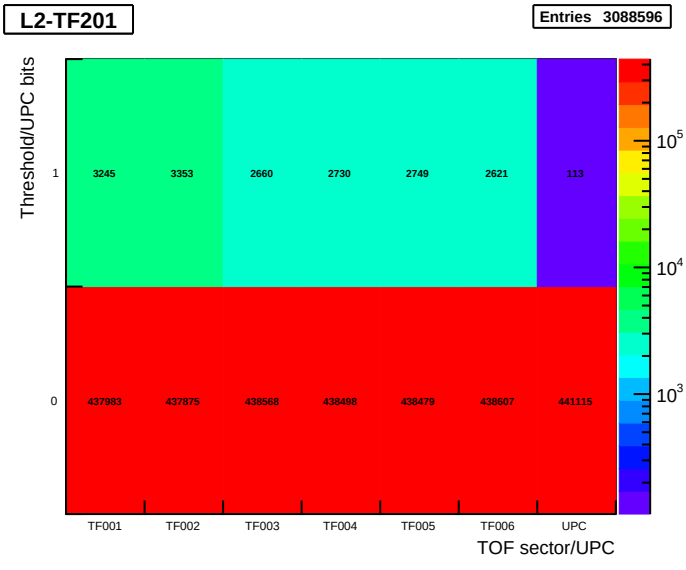

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

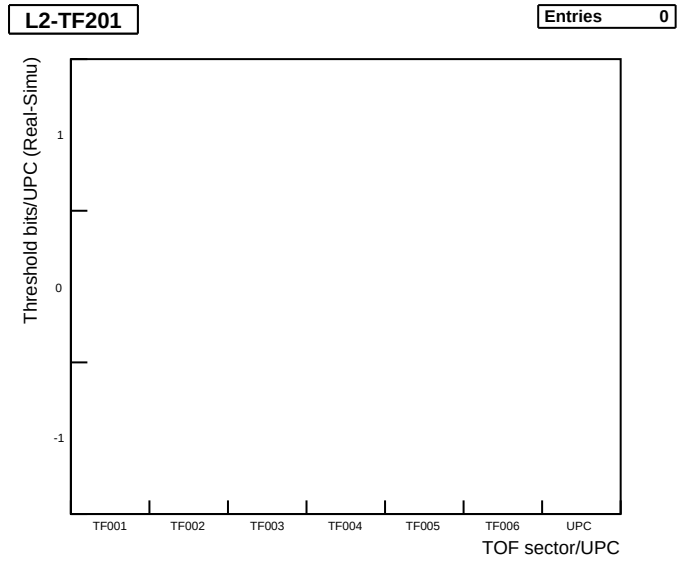

MIX-TF101
Entries 2647368
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

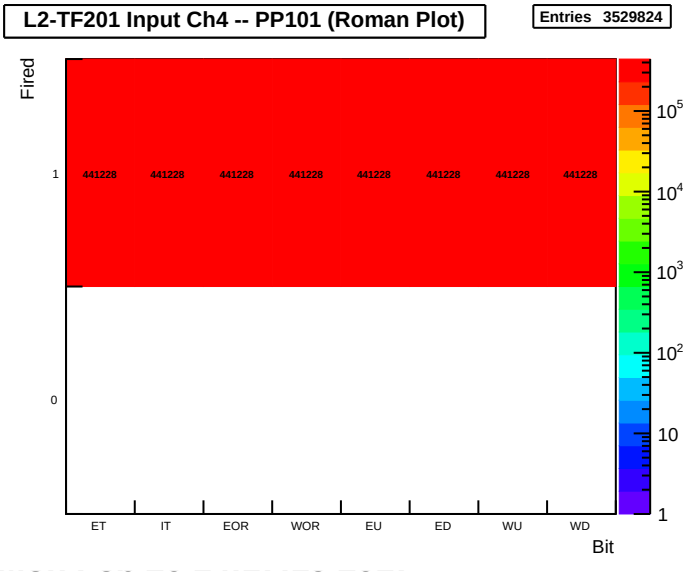

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

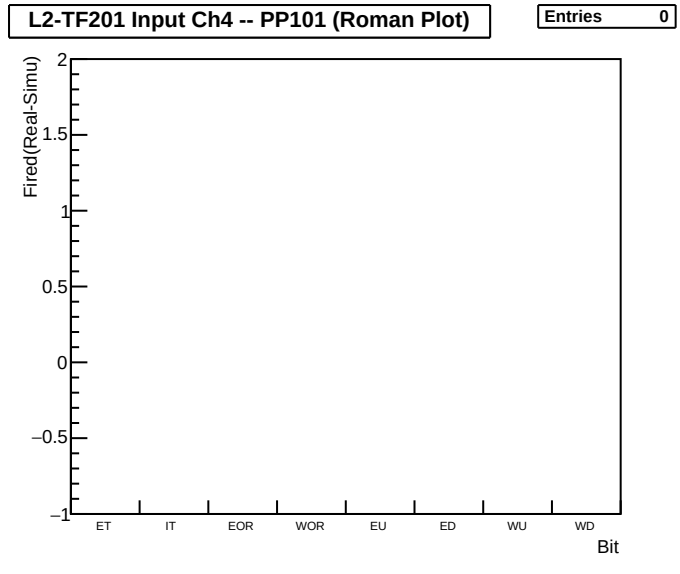

L2-TF201
Entries 441228
TOF total mult

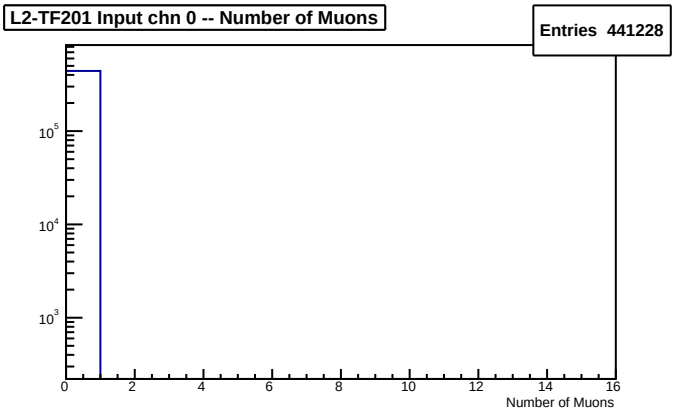

L2-TF201
Entries 0
TOF total mult(Real-Simu)

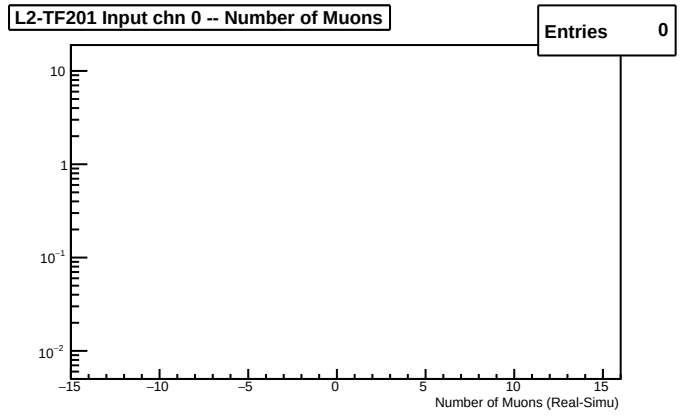

L2-TF201
Entries 3088596
Threshold/UPC bits
3245
3353
2660
2730
2749
2621
113
437983
437875
438568
438498
438479
438607
441115
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

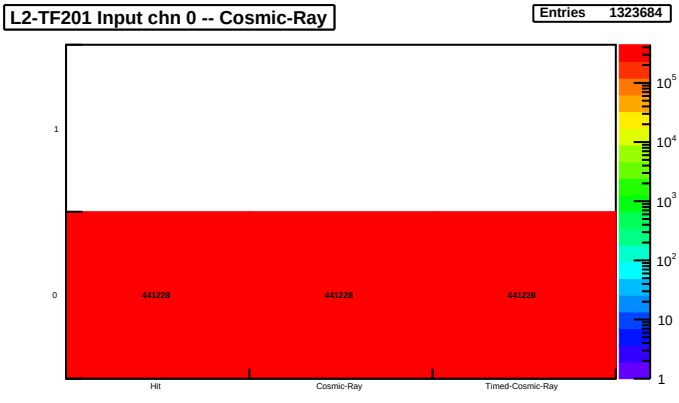

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

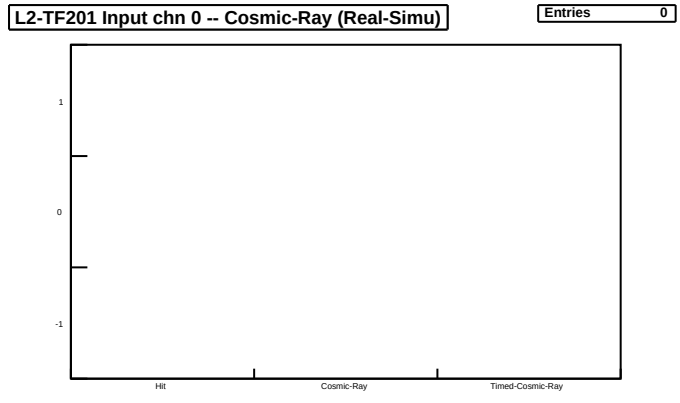

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 3529824
Fired
441228
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

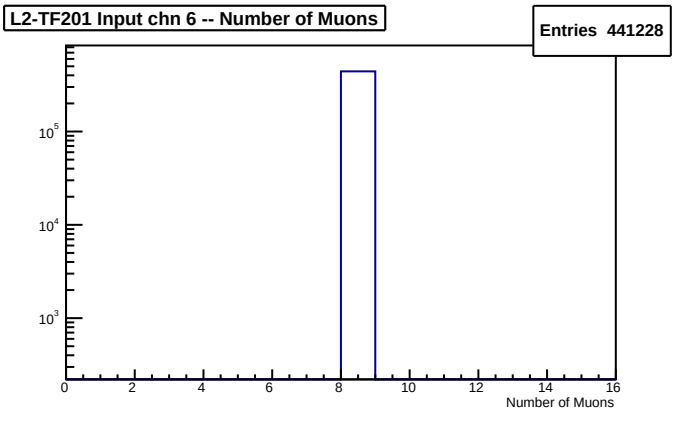

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

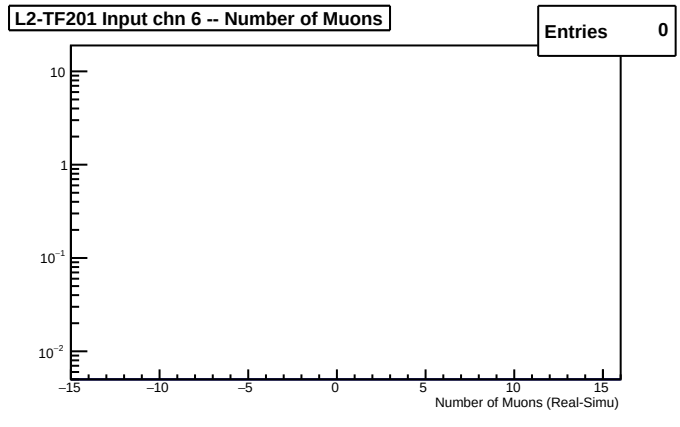

L2-TF201 Input chn 0 -- Number of Muons
Entries 441228
Number of Muons

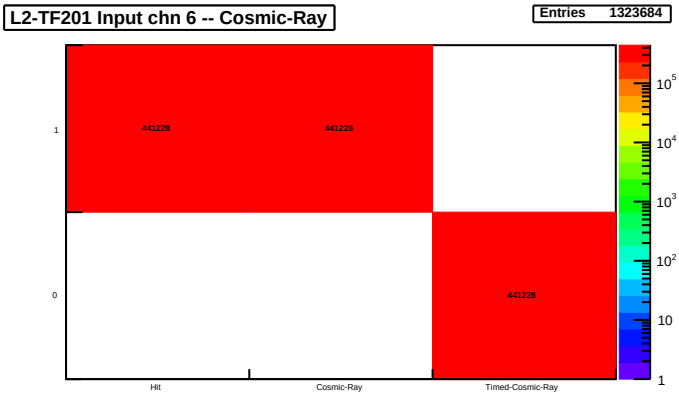

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

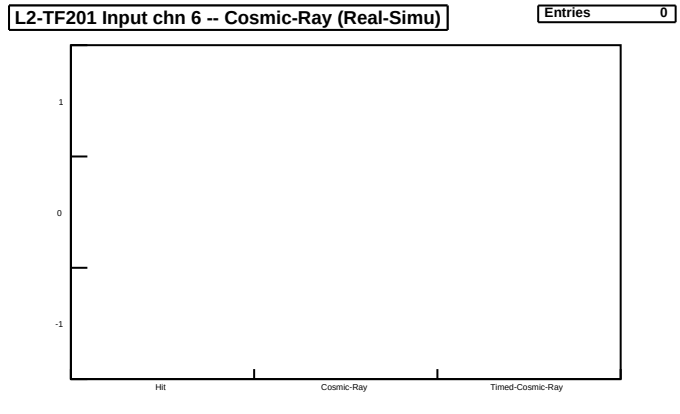

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 1323684
441228
441228
441228
Hit
Cosmic-Ray
Timed-Cosmic-Ray

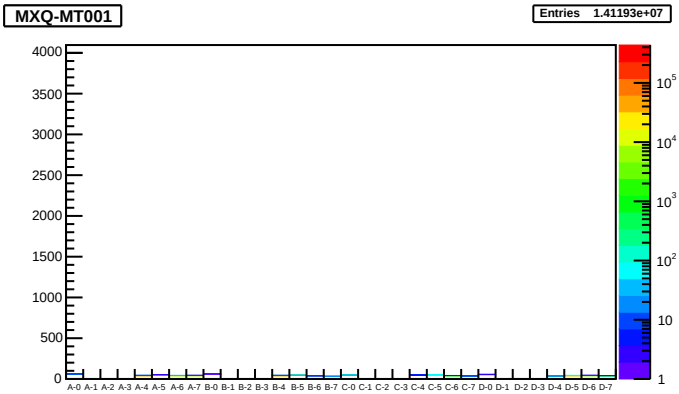

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

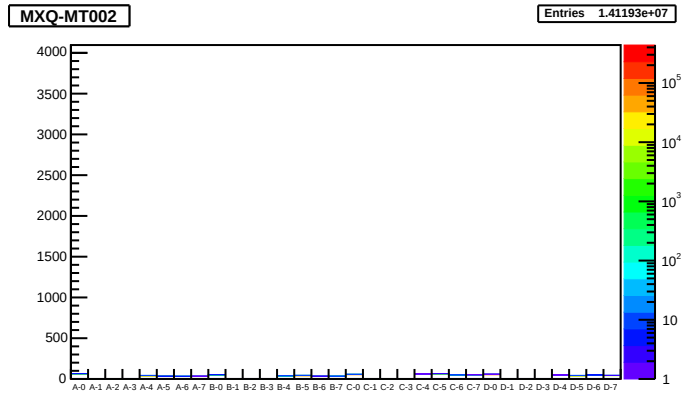

L2-TF201 Input chn 6 -- Number of Muons
Entries 441228
Number of Muons

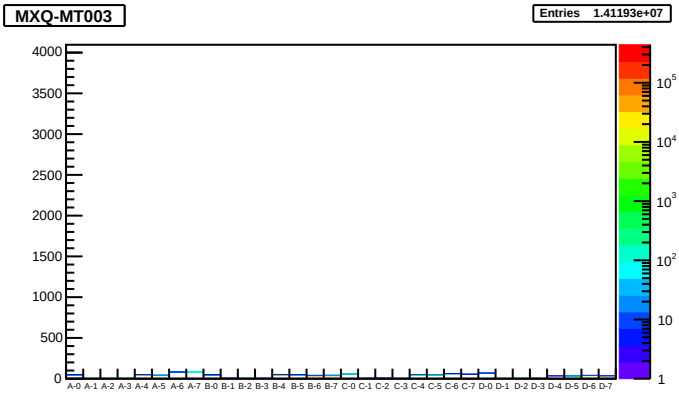

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

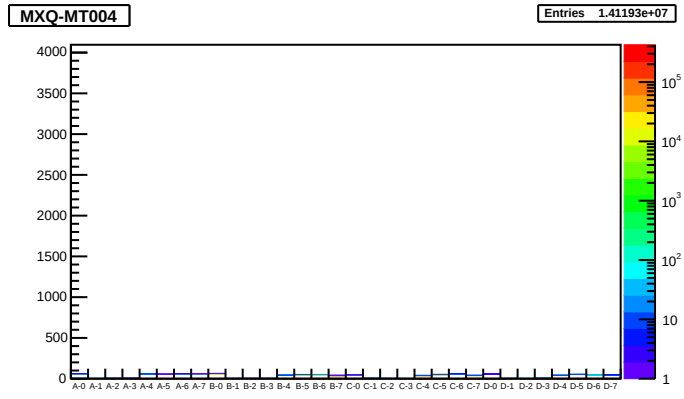

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 1323684
441228
441228
441228
Hit
Cosmic-Ray
Timed-Cosmic-Ray

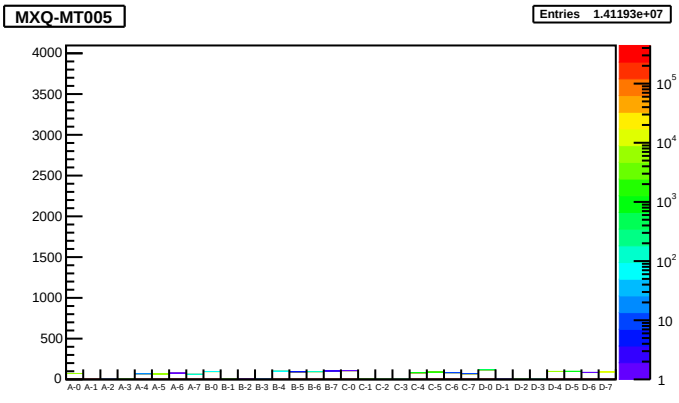

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

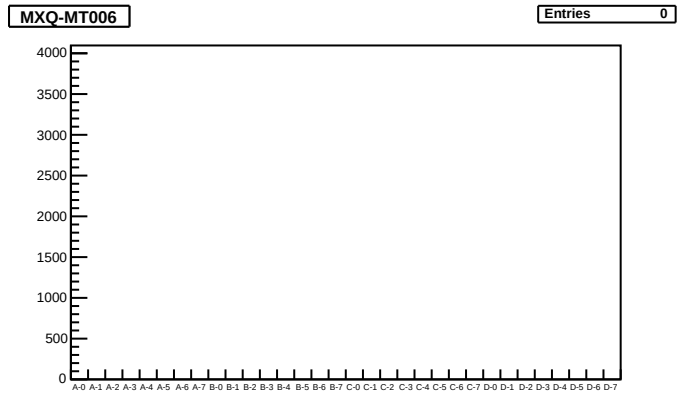

MXQ-MT001
Entries 1.41193e+07

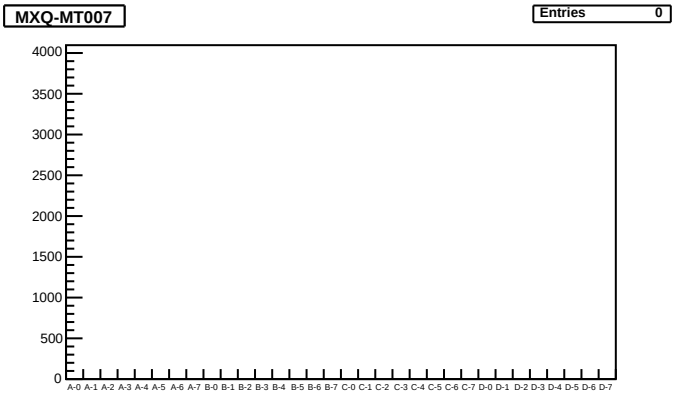

MXQ-MT002
Entries 1.41193e+07

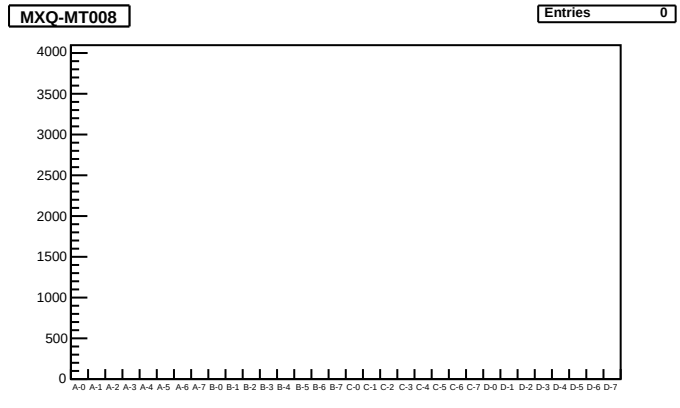

MXQ-MT003
Entries 1.41193e+07

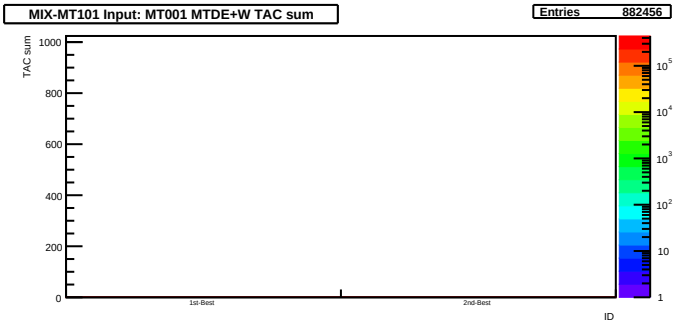

MXQ-MT004
Entries 1.41193e+07

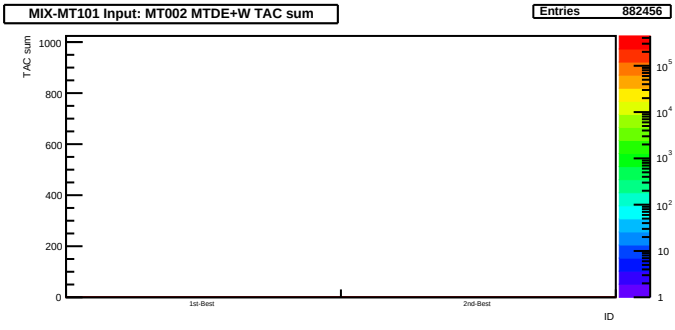

MXQ-MT005
Entries 1.41193e+07

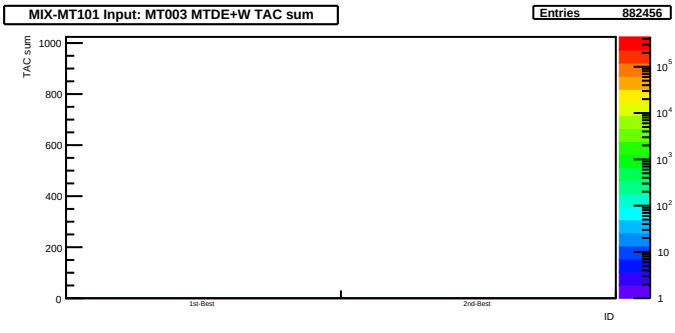

MXQ-MT006
Entries 0

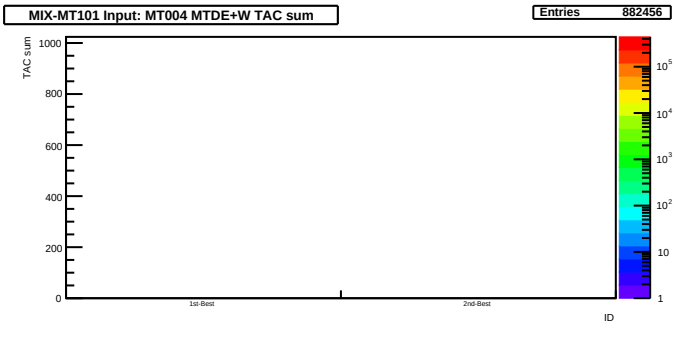

MXQ-MT007
Entries 0

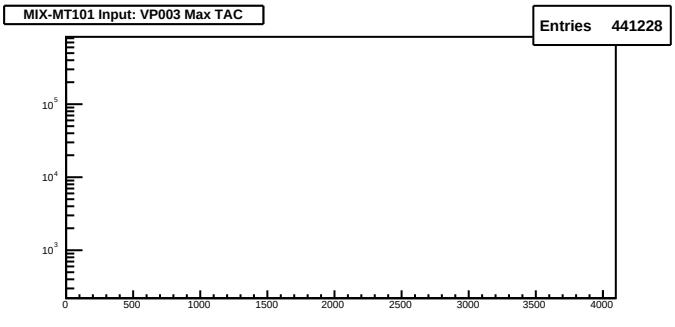

MXQ-MT008
Entries 0

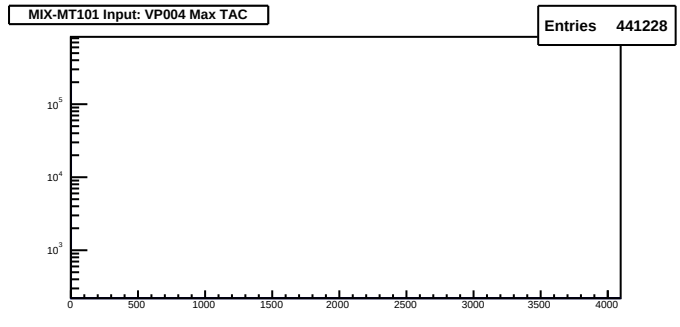

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID

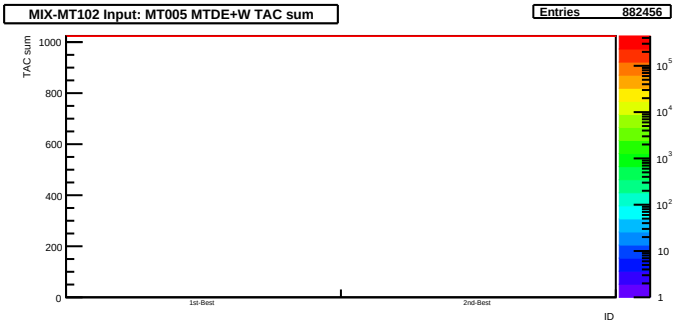

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID

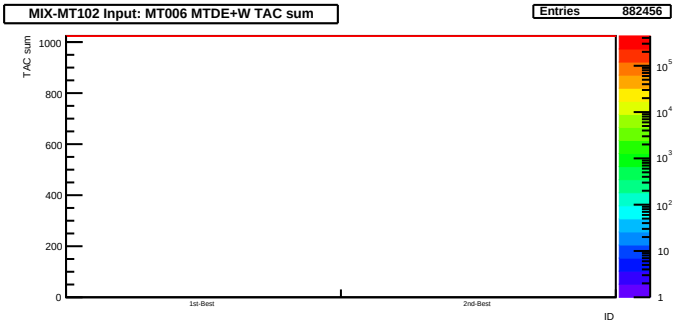

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID

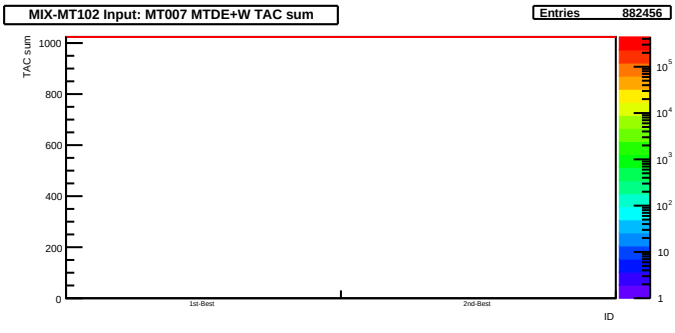

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID

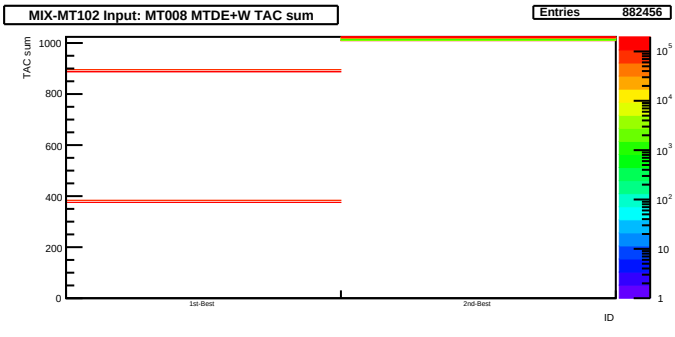

MIX-MT101 Input: VP003 Max TAC
Entries 441228

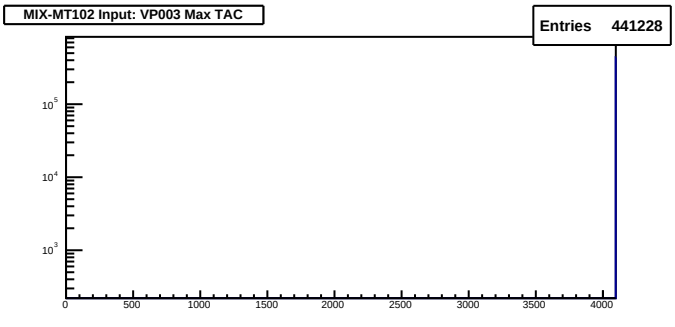

MIX-MT101 Input: VP004 Max TAC
Entries 441228

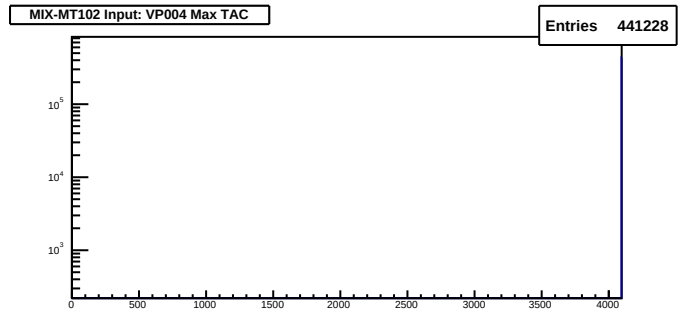

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID

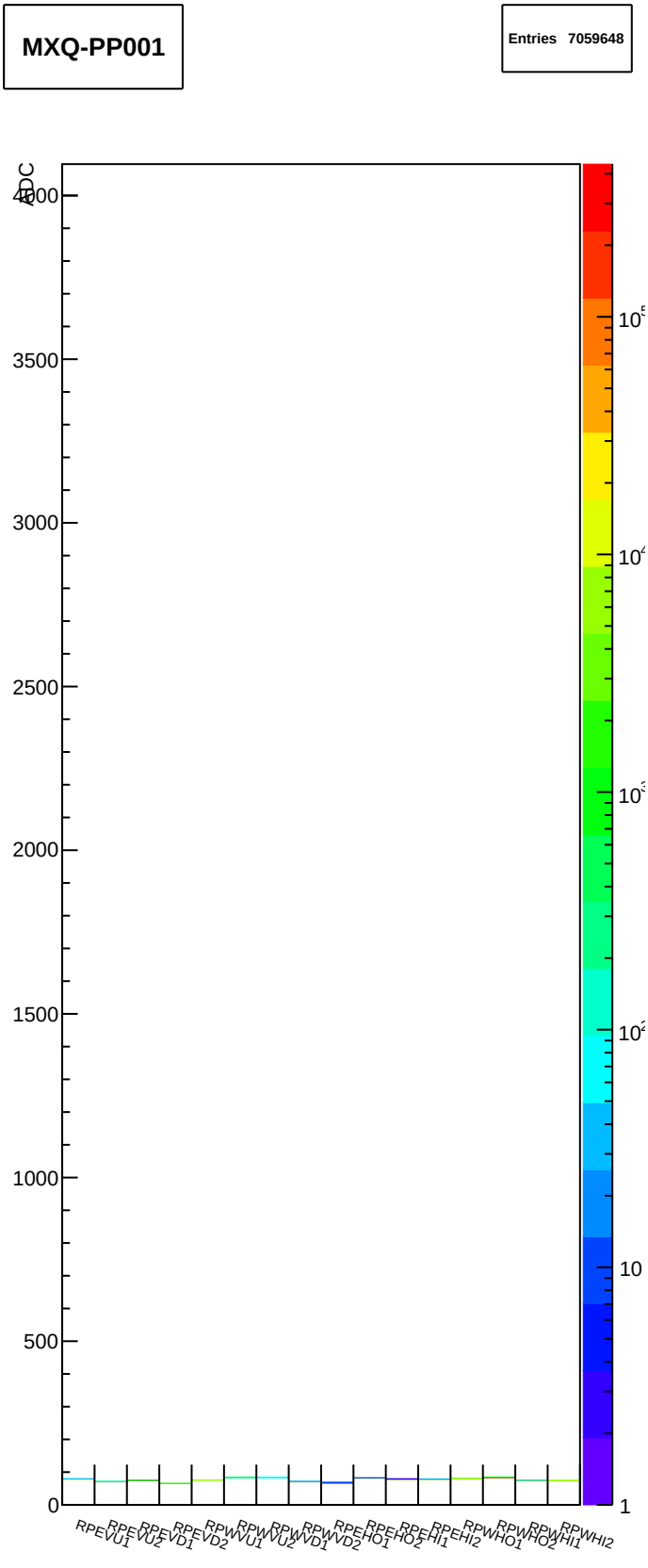

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID

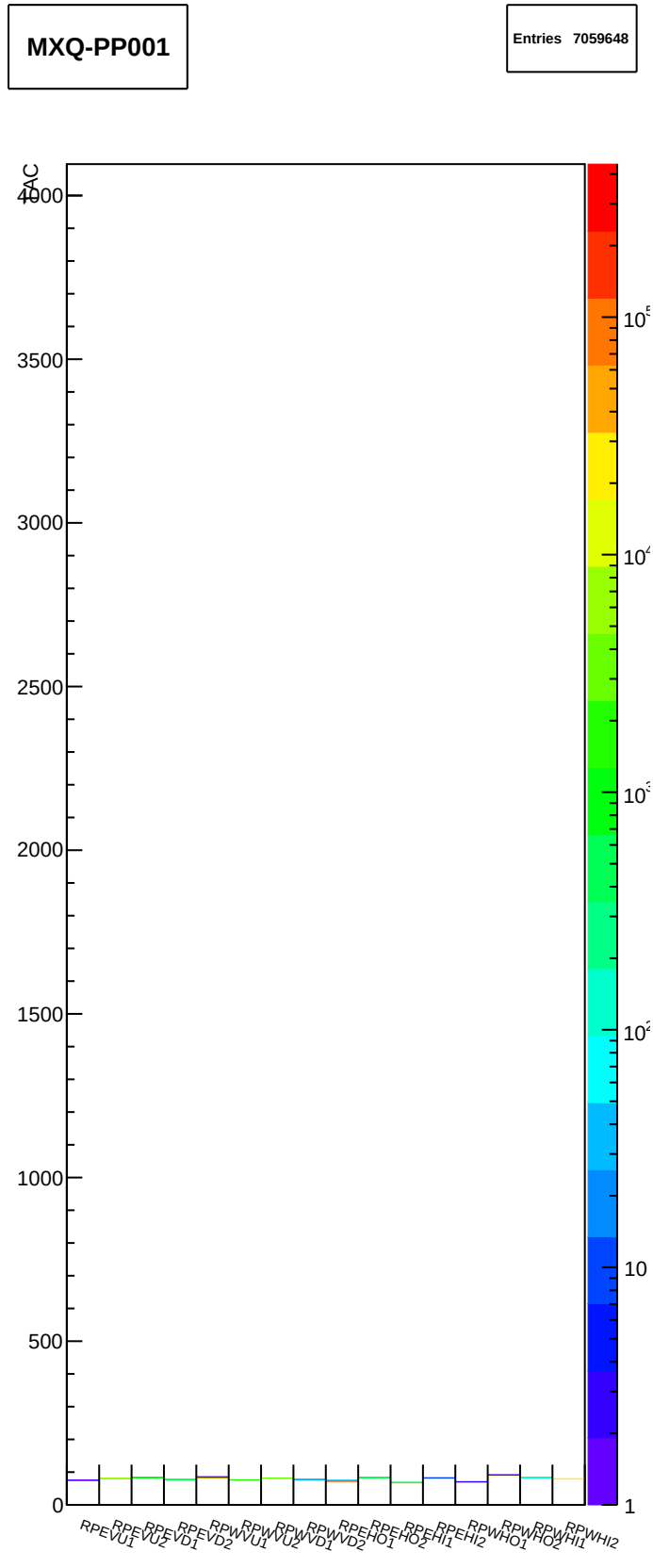

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID


MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 882456
TAC sum
1st-Best
2nd-Best
ID


MIX-MT102 Input: VP003 Max TAC
Entries 441228


MIX-MT102 Input: VP004 Max TAC
Entries 441228


MXQ-PP001
Entries 7059648
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1


MXQ-PP001
Entries 7059648
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
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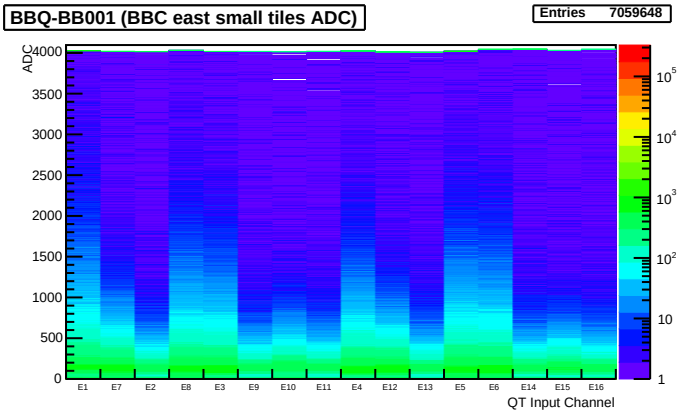
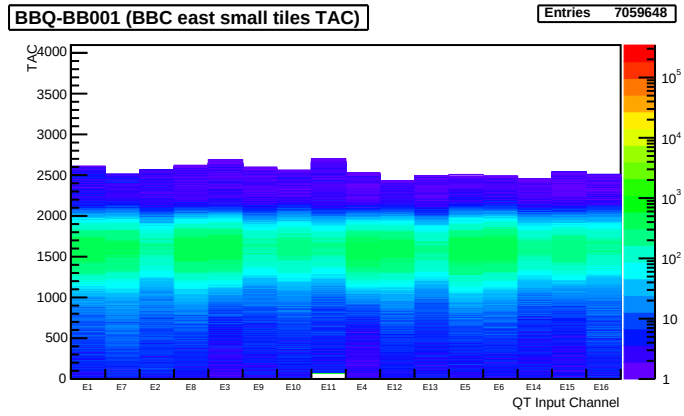
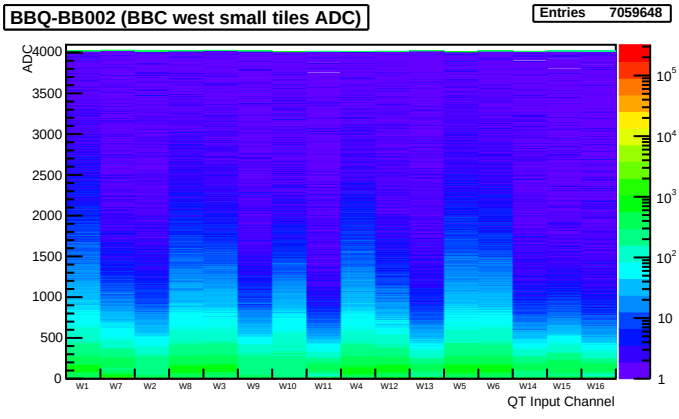
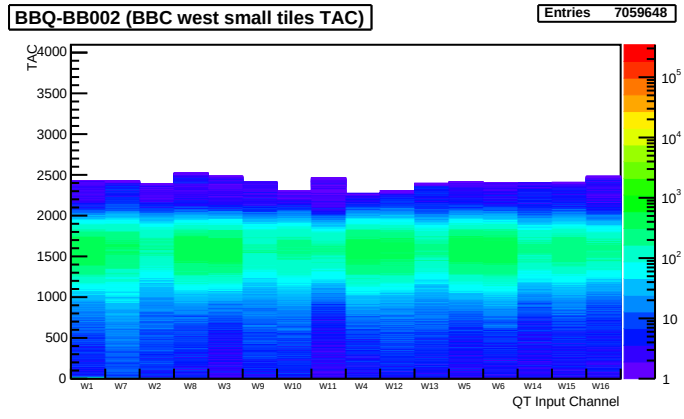
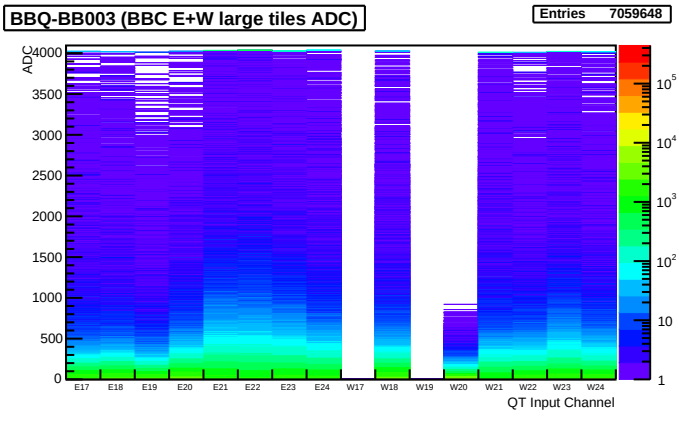
RPWHO2
RPWHI1
RPWHI2
10
1

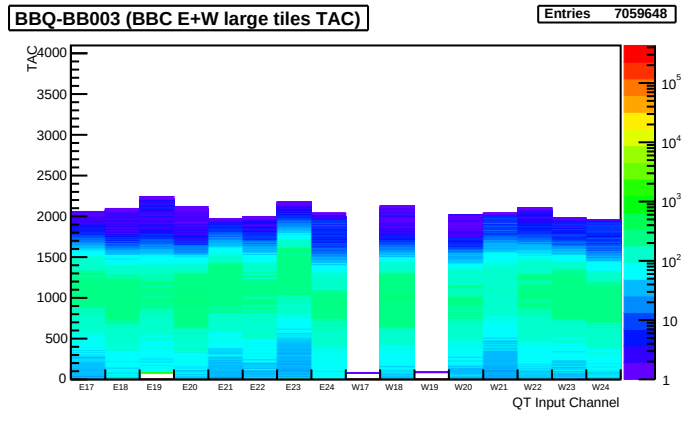

BBQ-BB001 (BBC east small tiles ADC)
Entries 7059648
ADC
QT Input Channel

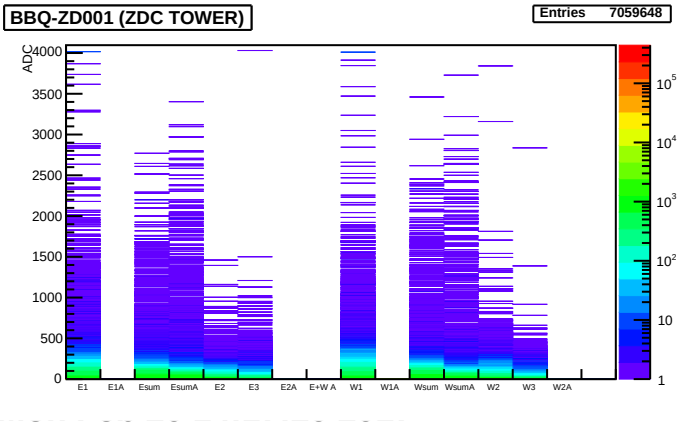

BBQ-BB001 (BBC east small tiles TAC)
Entries 7059648
TAC
QT Input Channel

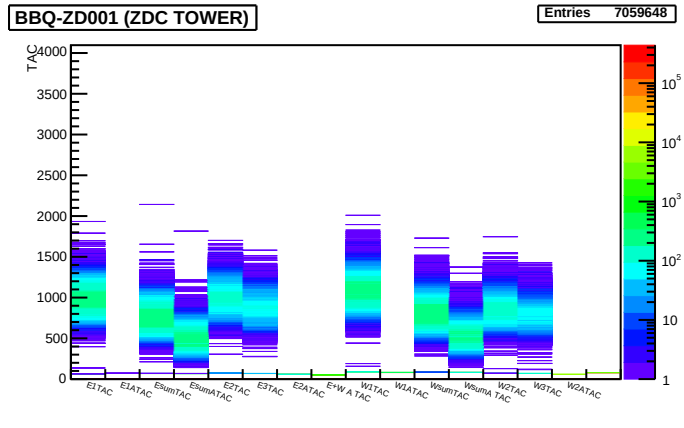

BBQ-BB002 (BBC west small tiles ADC)
Entries 7059648
ADC
QT Input Channel

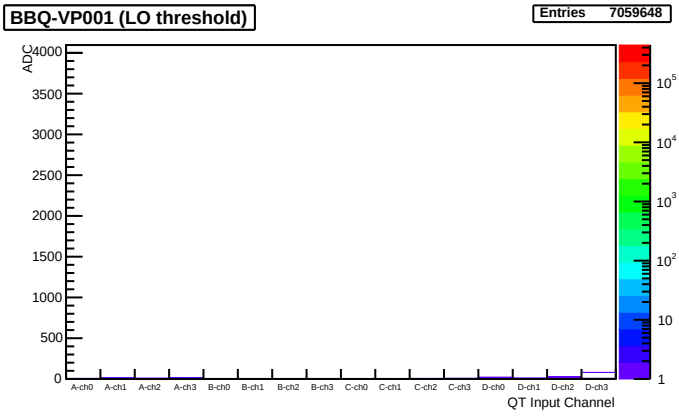

BBQ-BB002 (BBC west small tiles TAC)
Entries 7059648
TAC
QT Input Channel

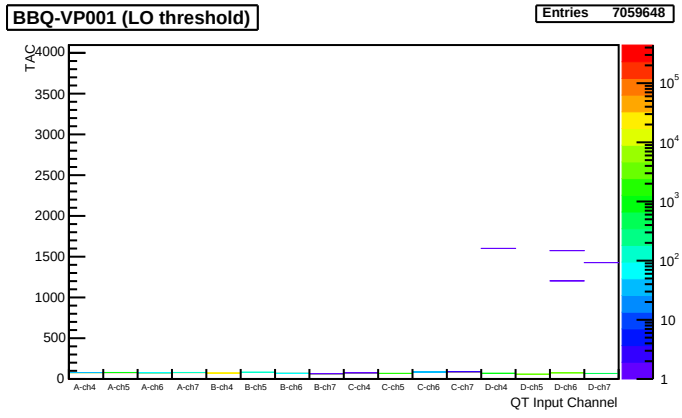

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7059648
ADC
QT Input Channel

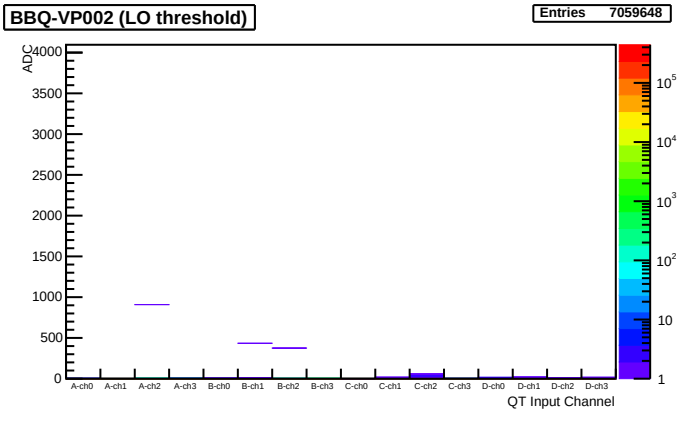

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7059648
TAC
QT Input Channel

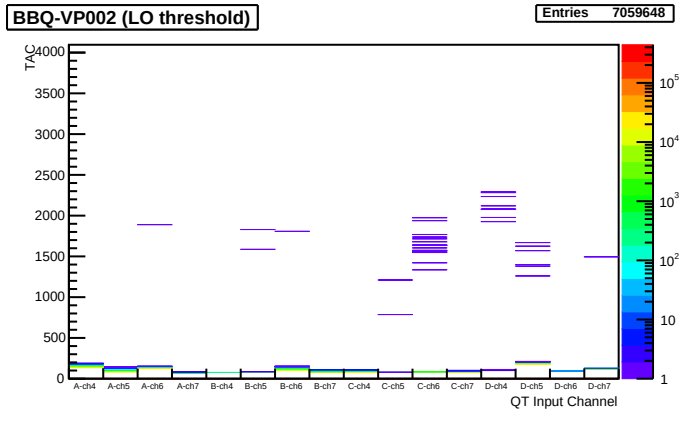

BBQ-ZD001 (ZDC TOWER)
Entries 7059648
ADC

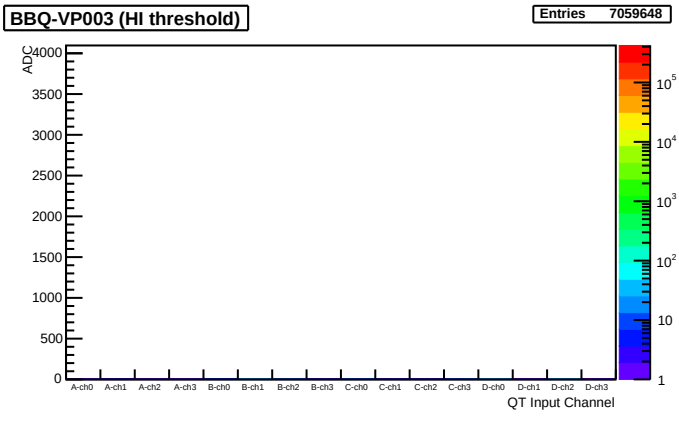

BBQ-ZD001 (ZDC TOWER)
Entries 7059648
TAC

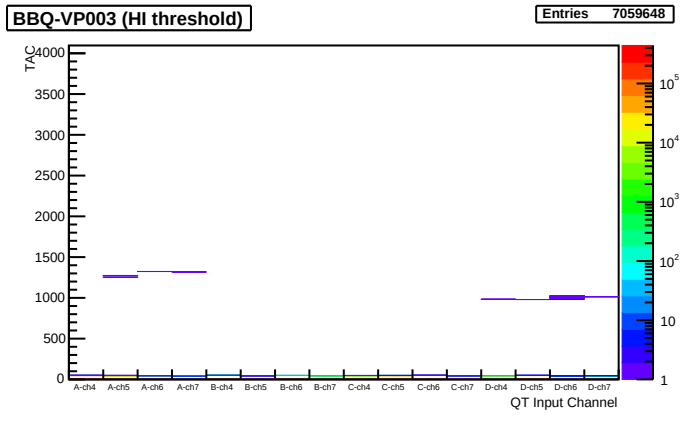

BBQ-VP001 (LO threshold)
Entries 7059648
ADC
QT Input Channel

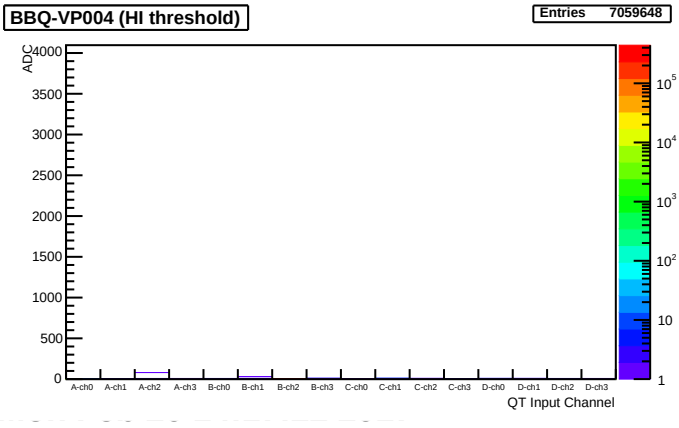

BBQ-VP001 (LO threshold)
Entries 7059648
TAC
QT Input Channel

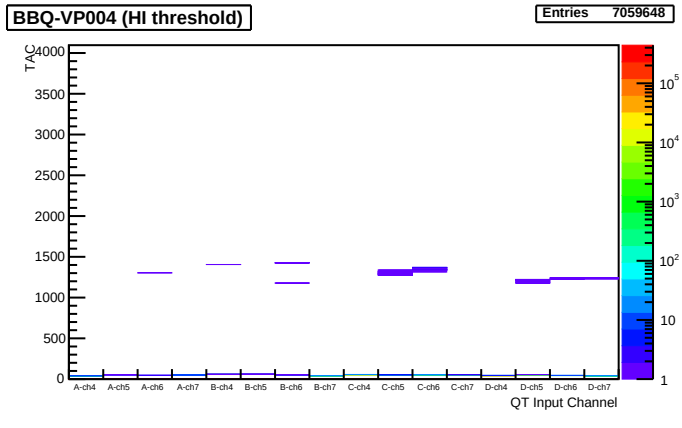

BBQ-VP002 (LO threshold)
Entries 7059648
ADC
QT Input Channel

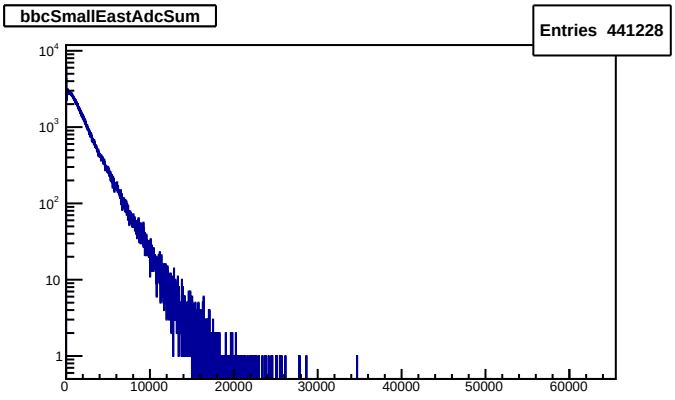

BBQ-VP002 (LO threshold)
Entries 7059648
TAC
QT Input Channel

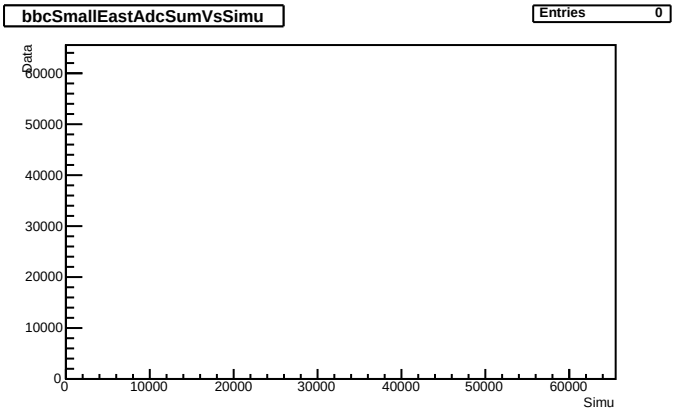

BBQ-VP003 (HI threshold)
Entries 7059648
ADC
QT Input Channel

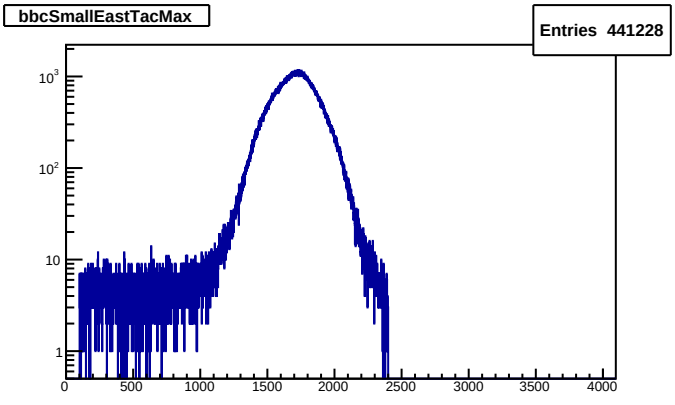

BBQ-VP003 (HI threshold)
Entries 7059648
TAC
QT Input Channel

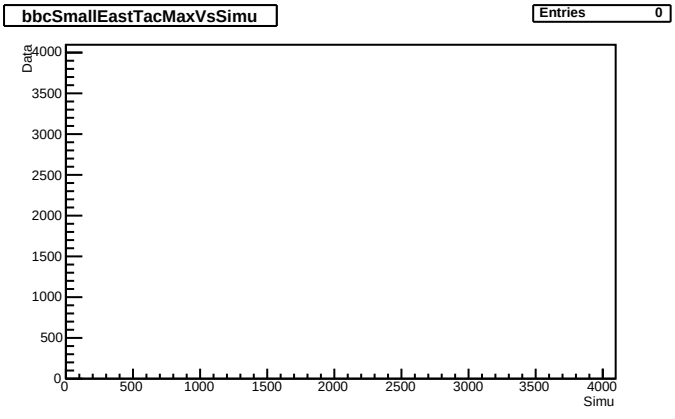

BBQ-VP004 (HI threshold)
Entries 7059648
ADC
QT Input Channel

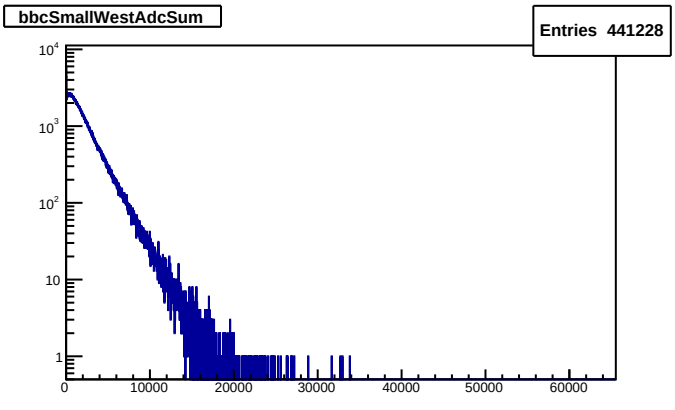

BBQ-VP004 (HI threshold)
Entries 7059648
TAC
QT Input Channel

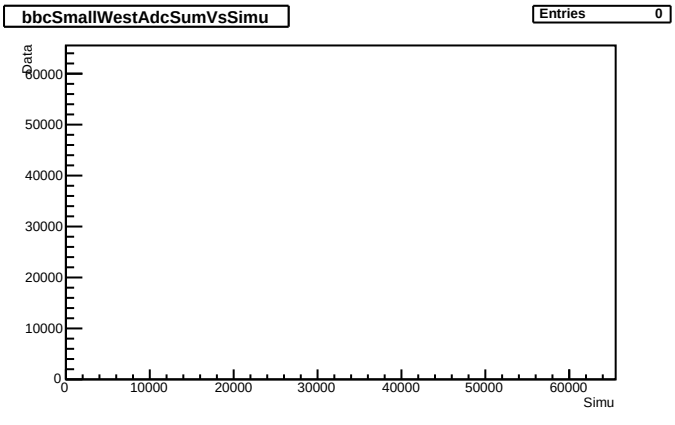

bbcSmallEastAdcSum
Entries 441228

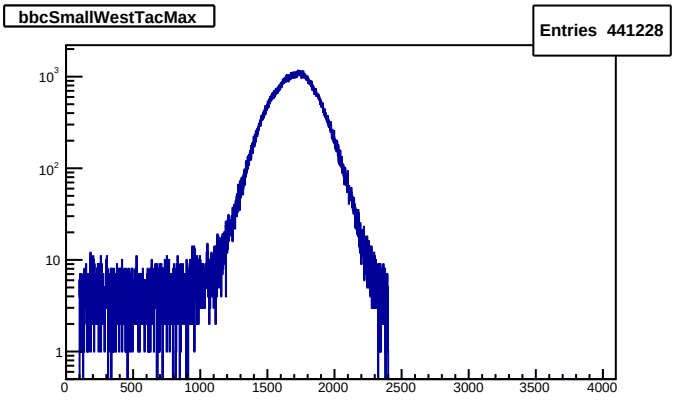

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

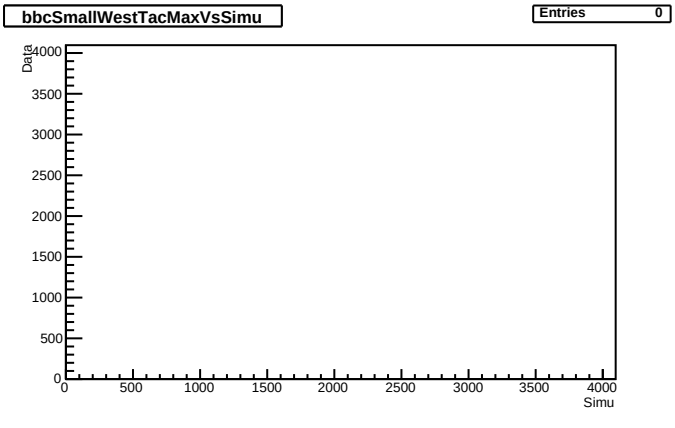

bbcSmallEastTacMax
Entries 441228

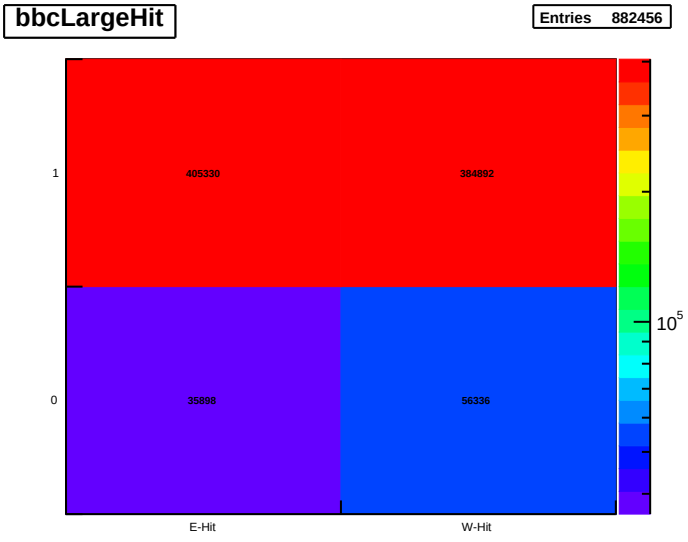

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

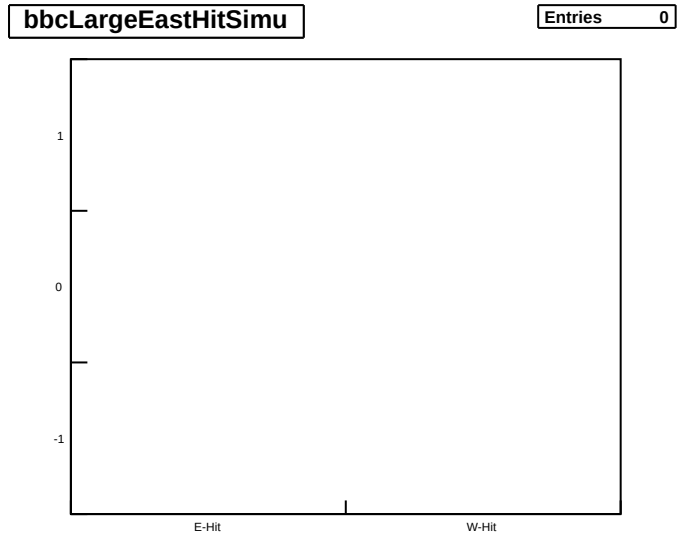

bbcSmallWestAdcSum
Entries 441228

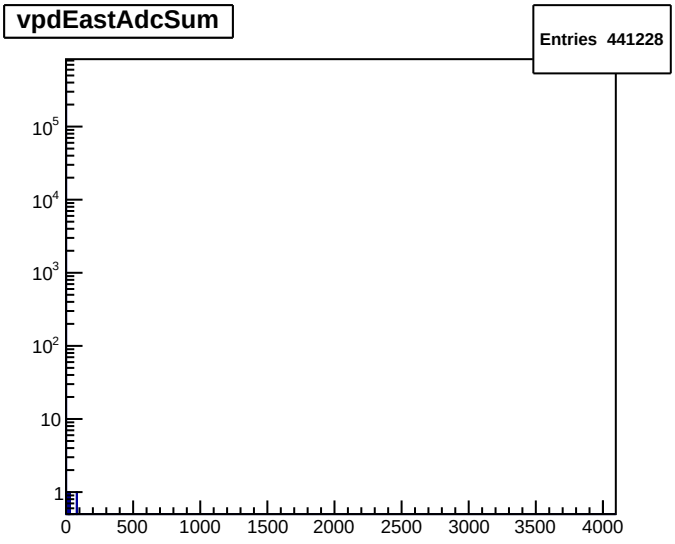

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

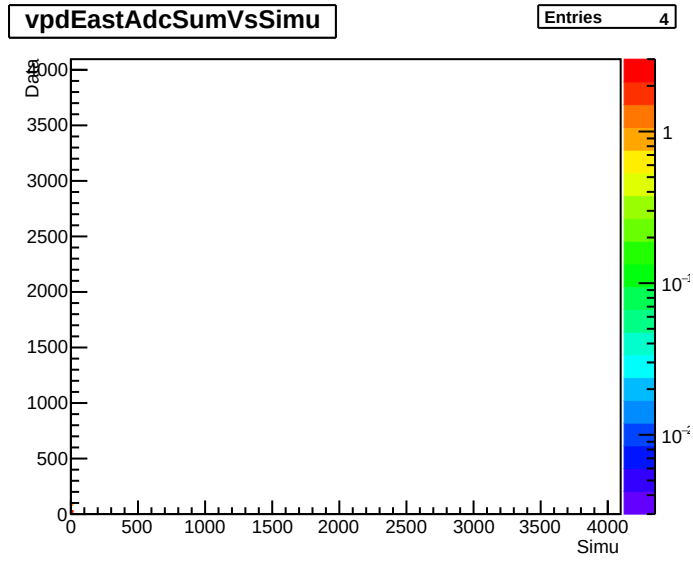

bbcSmallWestTacMax
Entries 441228

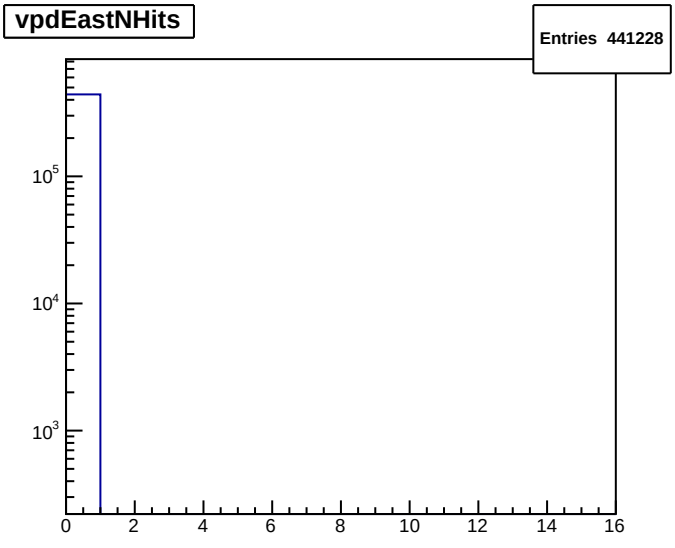

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

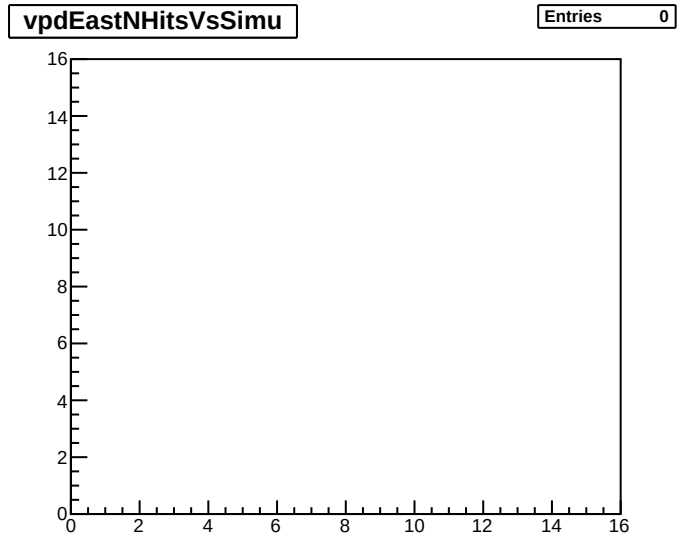

bbcLargeHit
Entries 882456
405330
384892
35898
56336
1
0
E-Hit
W-Hit
$10^5$

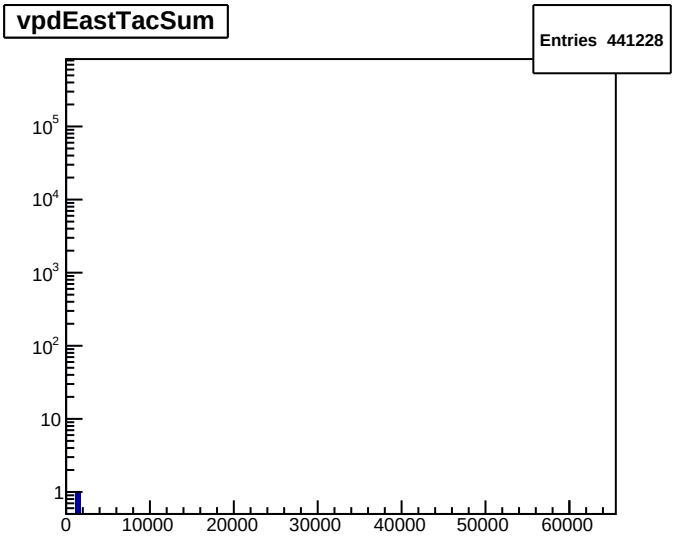

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

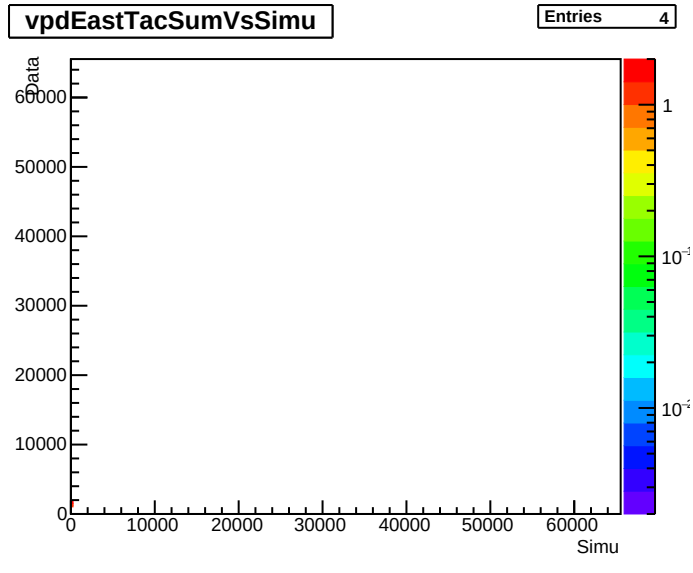

vpdEastAdcSum
Entries 441228

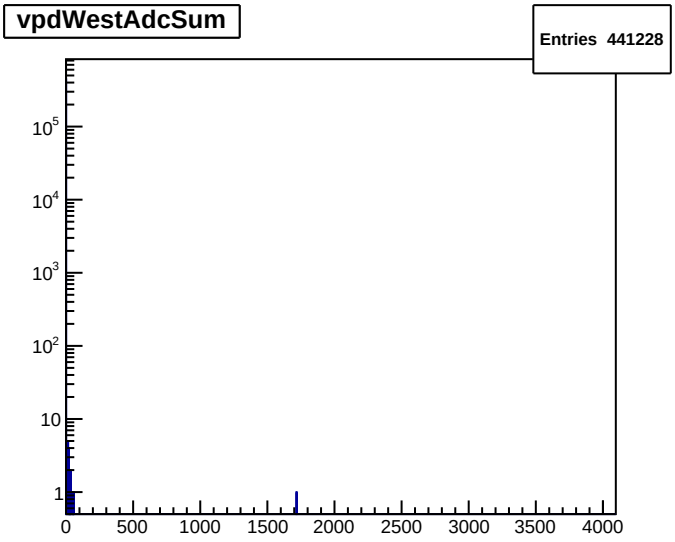

vpdEastAdcSumVsSimu
Entries 4
Data
Simu

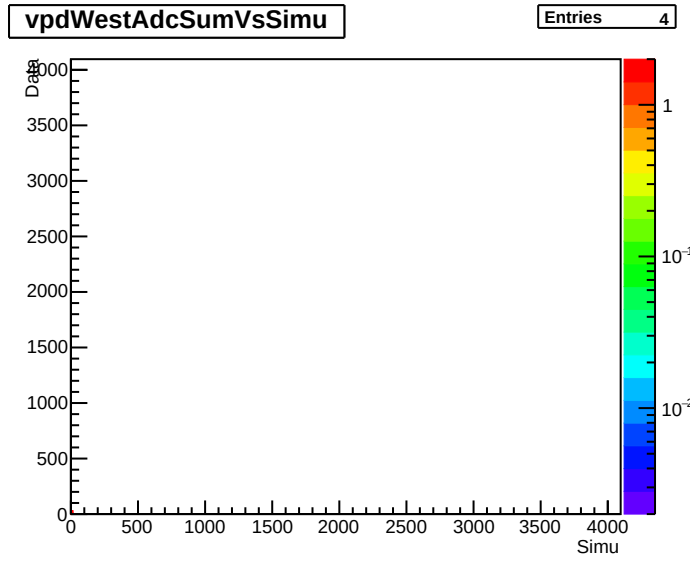

vpdEastNHits
Entries 441228

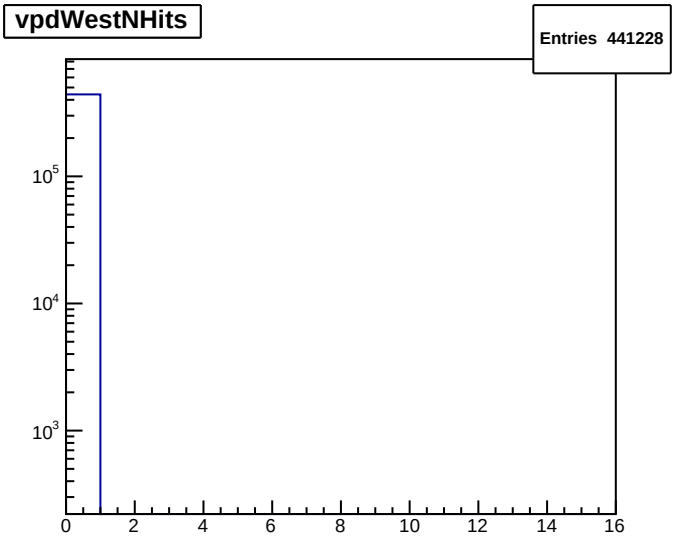

vpdEastNHitsVsSimu
Entries 0

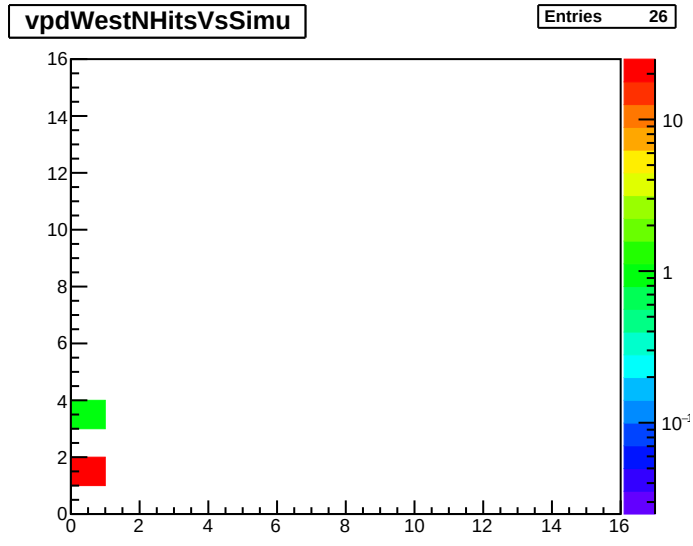

vpdEastTacSum
Entries 441228

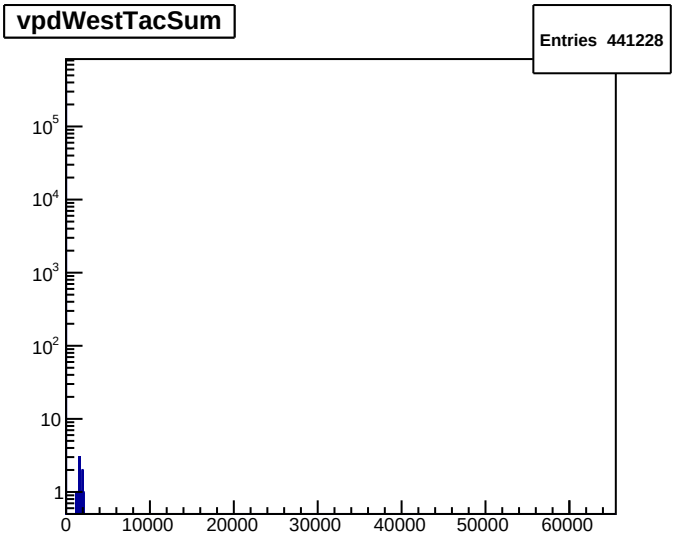

vpdEastTacSumVsSimu
Entries 4
Data
Simu

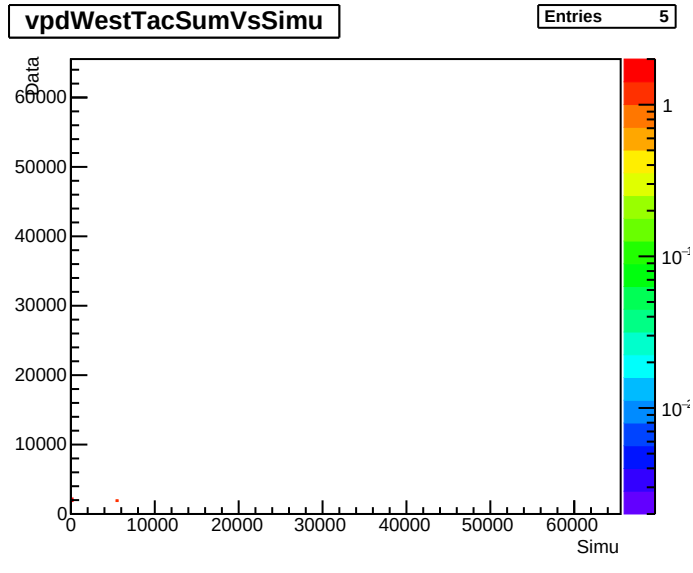

vpdWestAdcSum
Entries 441228

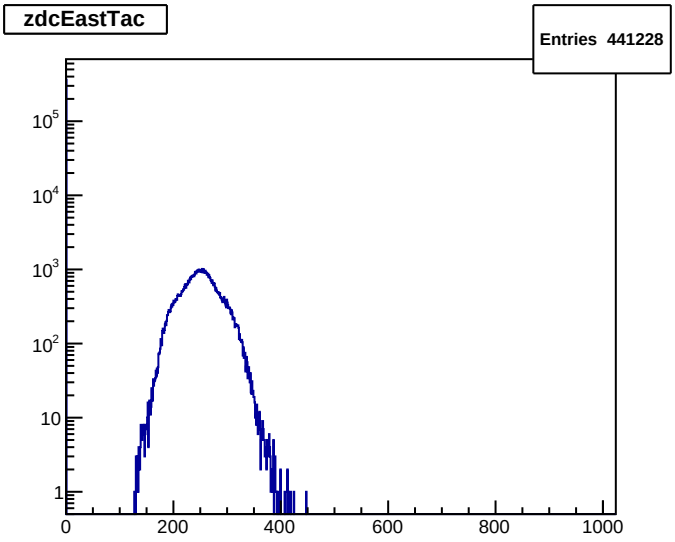

vpdWestAdcSumVsSimu
Entries 4
Data
Simu

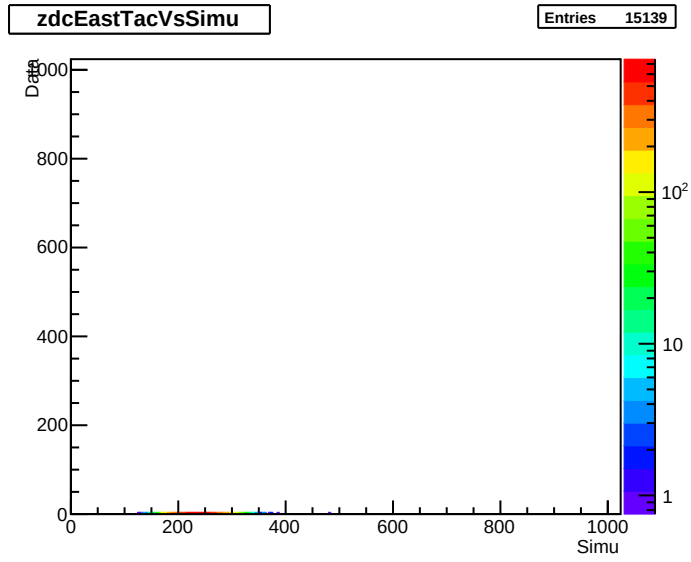

vpdWestNHits
Entries 441228

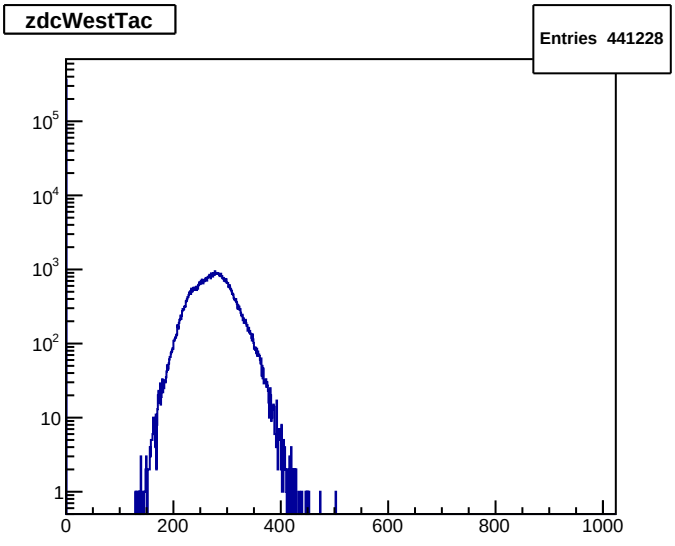

vpdWestNHitsVsSimu
Entries 26

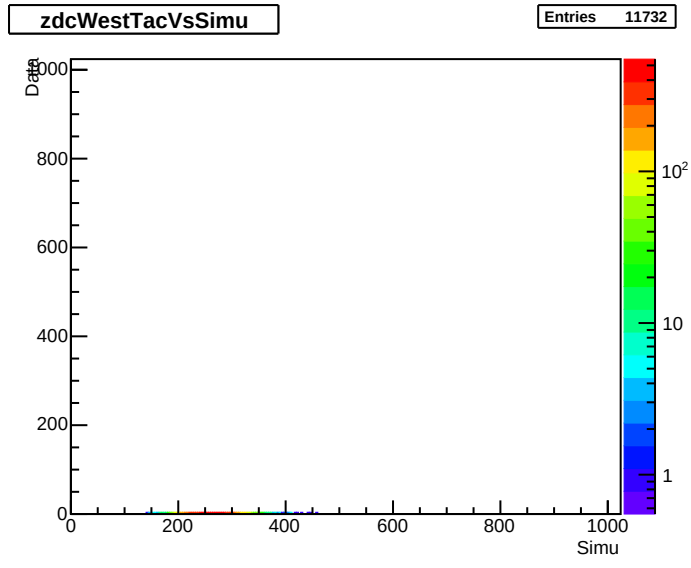

vpdWestTacSum
Entries 441228

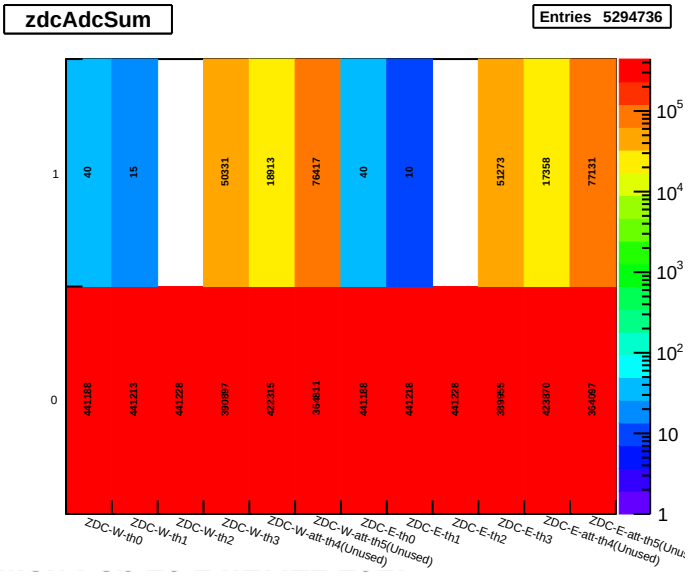

vpdWestTacSumVsSimu
Entries 5
Data
Simu

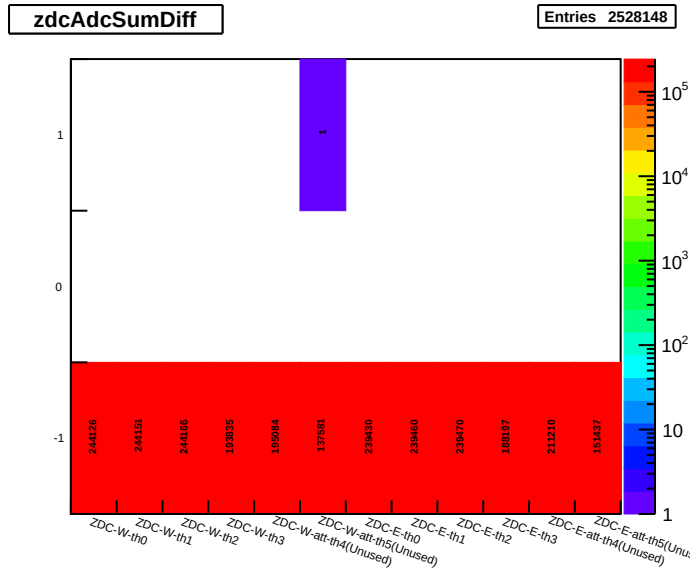

zdcEastTac
Entries 441228

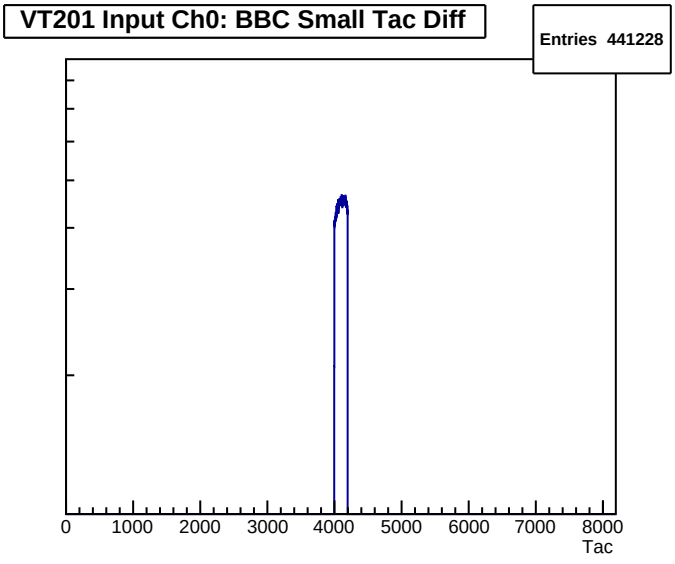

zdcEastTacVsSimu
Entries 15139
Data
Simu

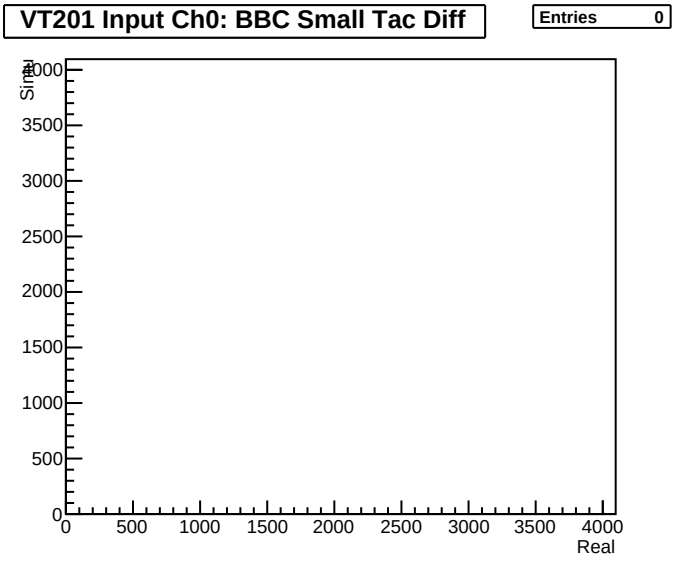

zdcWestTac
Entries 441228

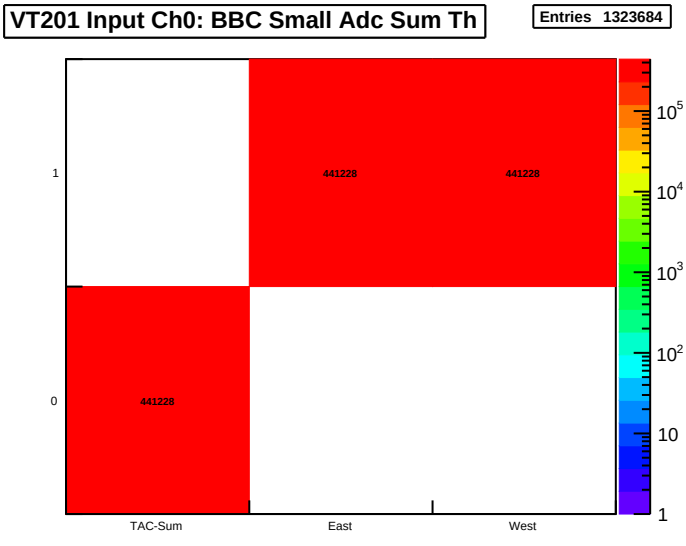

zdcWestTacVsSimu
Entries 11732
Data
Simu

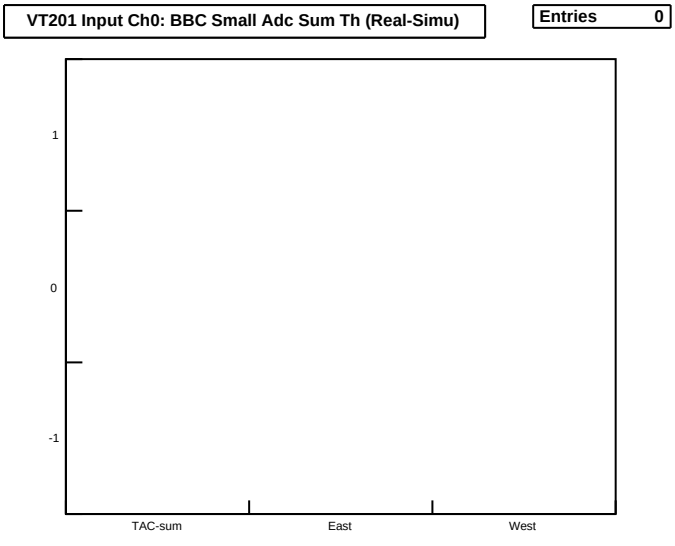

zdcAdcSum
Entries 5294736
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

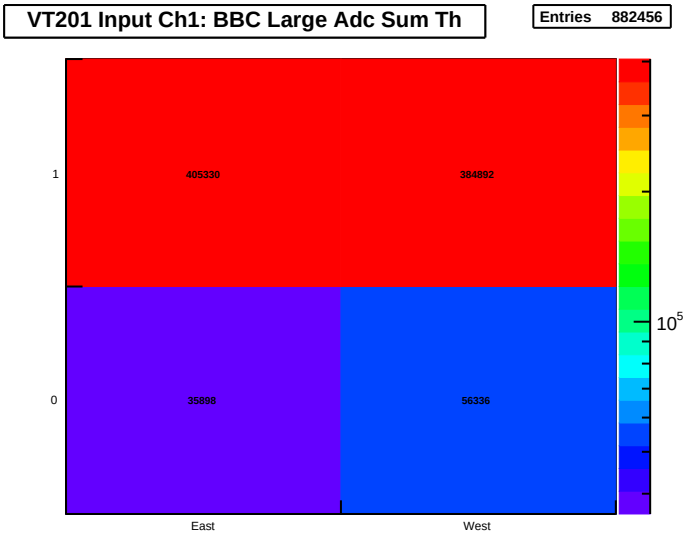

zdcAdcSumDiff
Entries 2528148
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

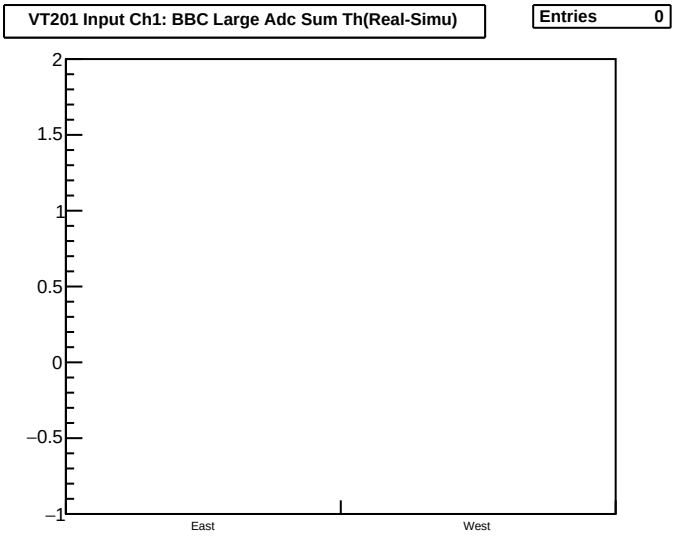

VT201 Input Ch0: BBC Small Tac Diff
Entries 441228
0
1000
2000
3000
4000
5000
6000
7000
8000
Tac


VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
4000
3500
3000
2500
2000
1500
1000
500
0
0
500
1000
1500
2000
2500
3000
3500
4000
Real

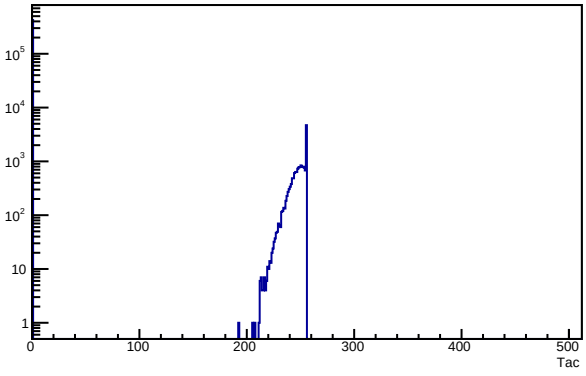

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1323684
1
0
441228
441228
441228
TAC-Sum
East
West
$10^5$
$10^4$
$10^3$
$10^2$
10
1


VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
1
0
-1
TAC-sum
East
West

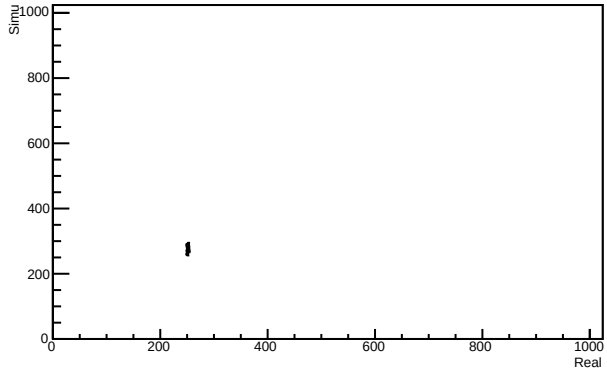

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 882456
1
0
405330
384892
35898
56336
East
West
$10^5$


VT201 Input Ch1: BBC Large Adc Sum Th(Real-Simu)
Entries 0
2
1.5
1
0.5
0
−0.5
−1
East
West

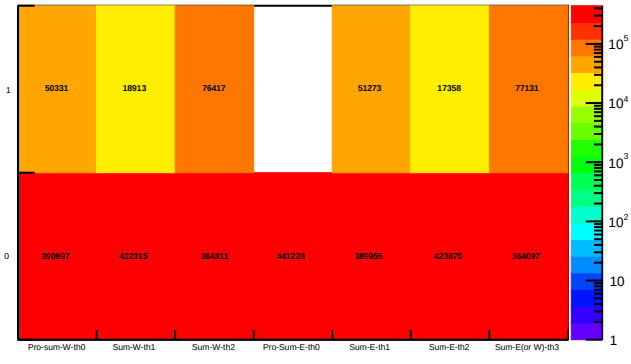
**VT201 Input Ch2: ZDC Tac Diff**



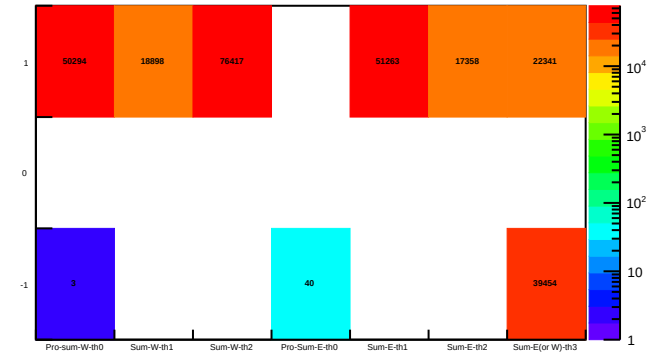

**VT201 Input Ch2: ZDC Tac Diff**



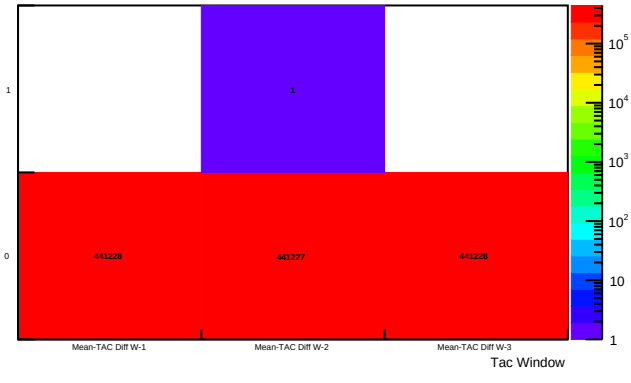

**VT201 Input Ch2: ZDC Adc Sum Th**



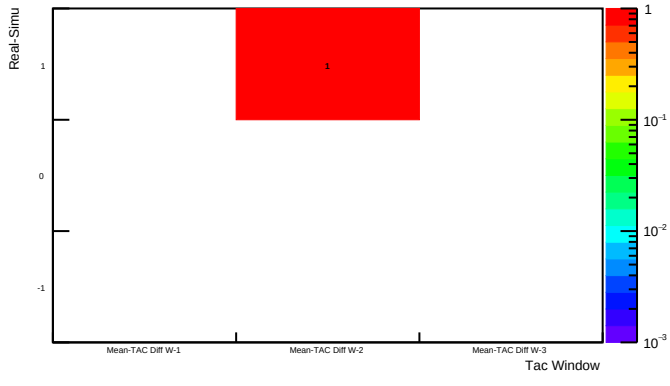

**VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)**



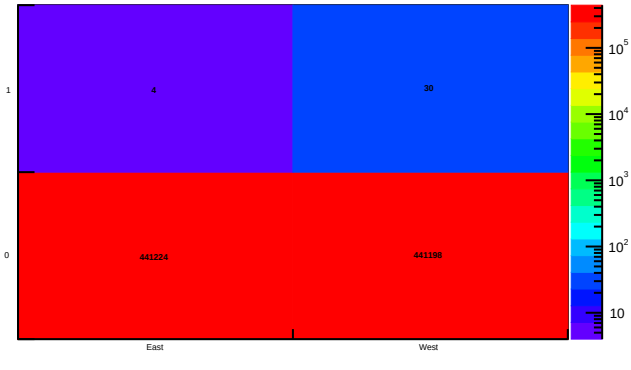

**VT201 Input Ch4: VPD Tac Diff**



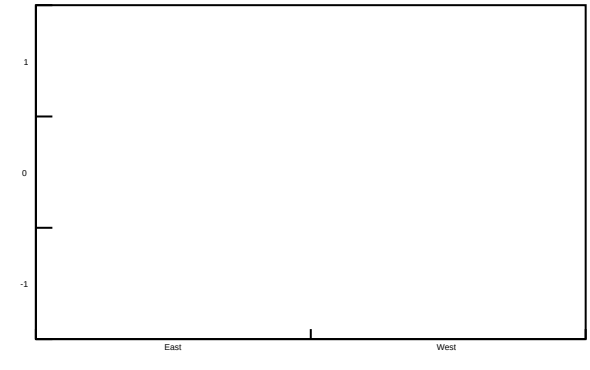

**VT201 Input Ch4: VPD Tac Diff**

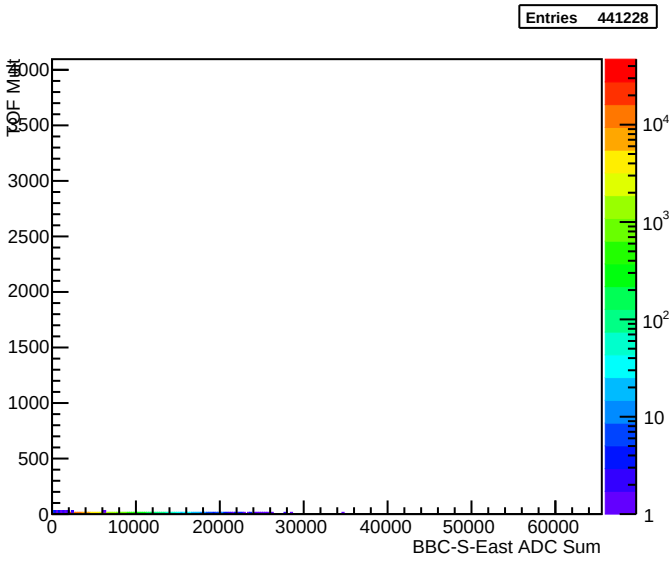


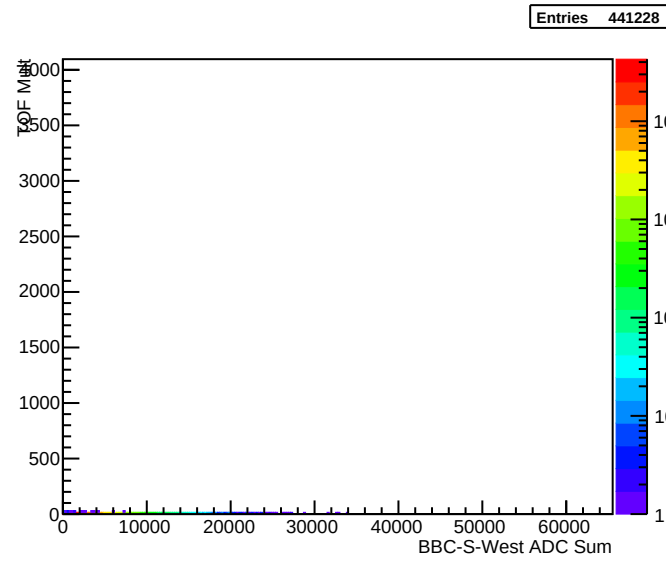

**VT201 Input Ch4: VPD Adc Sum Th**

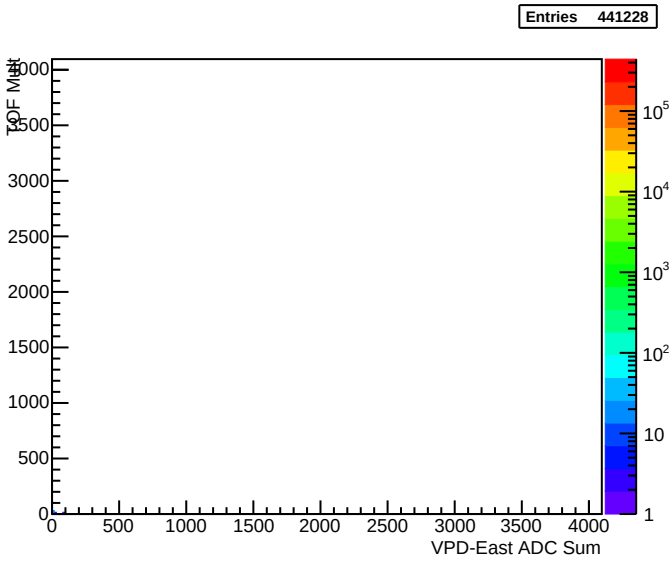


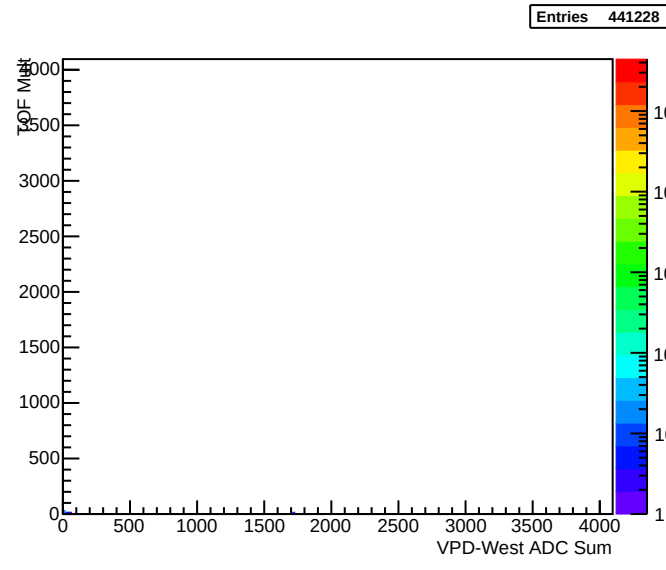

**VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)**

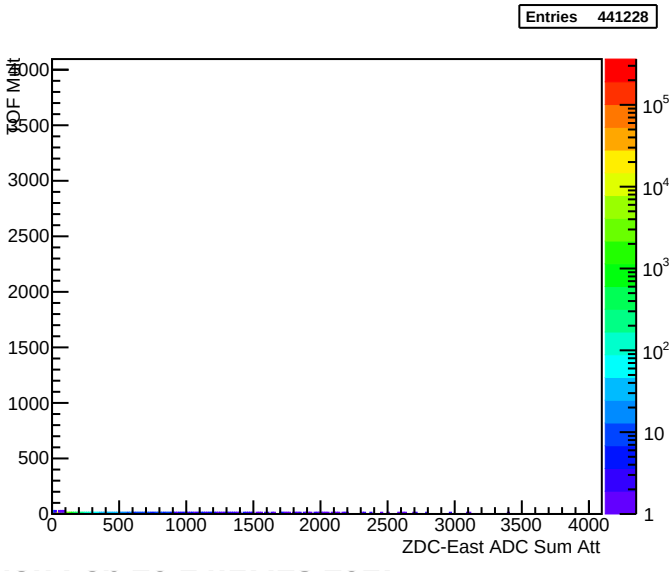


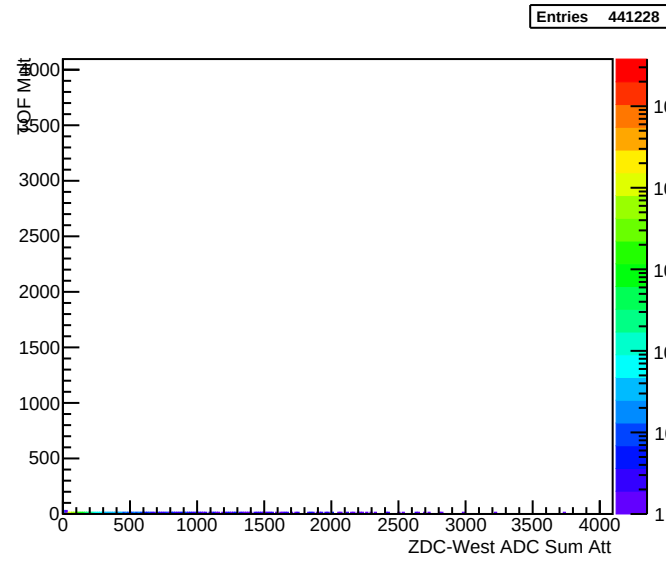

Entries 441228
TOF Mult
BBC-S-East ADC Sum

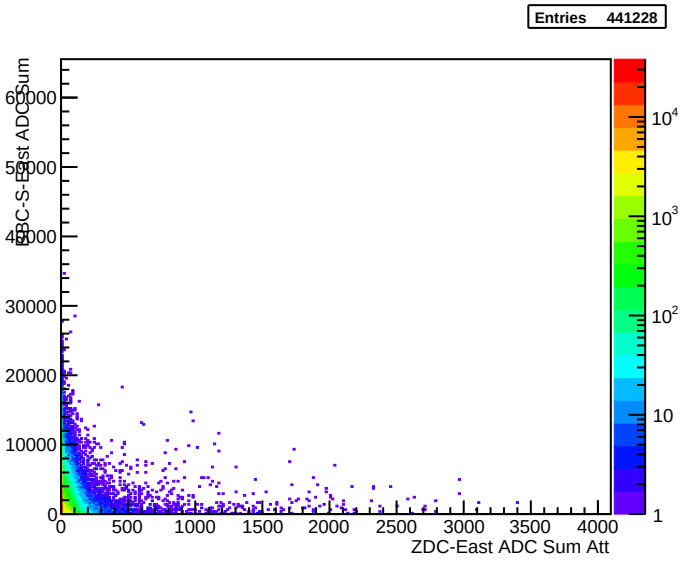

Entries 441228
TOF Mult
BBC-S-West ADC Sum

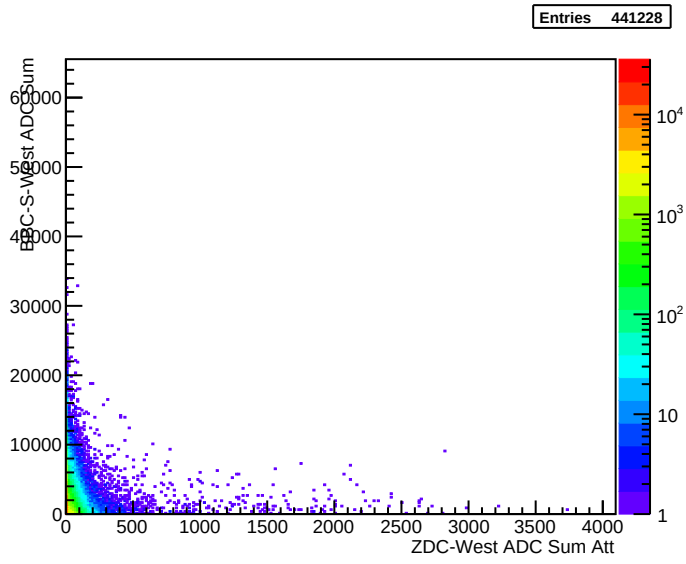

Entries 441228
TOF Mult
VPD-East ADC Sum

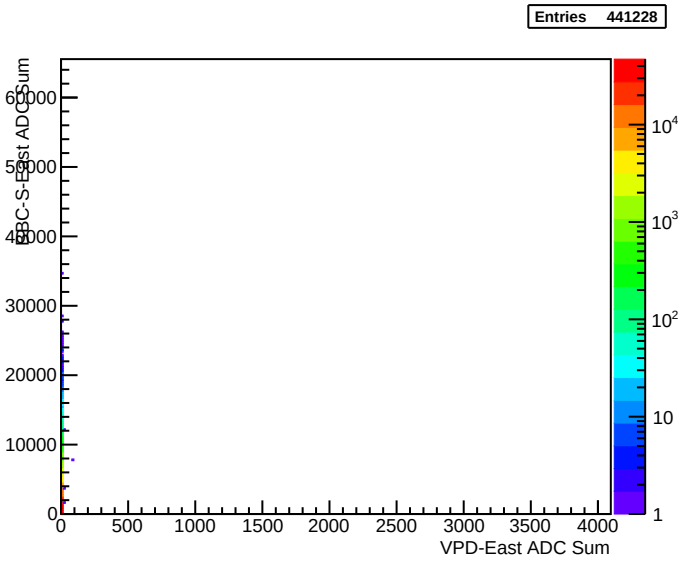

Entries 441228
TOF Mult
VPD-West ADC Sum

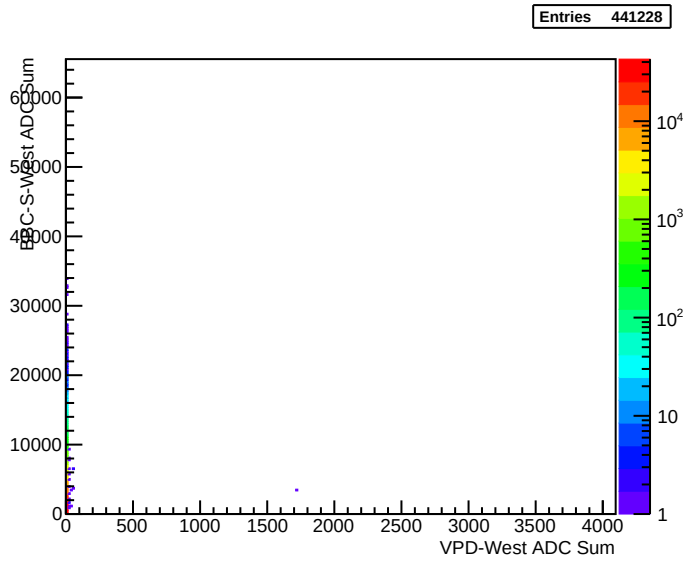

Entries 441228
TOF Mult
ZDC-East ADC Sum Att

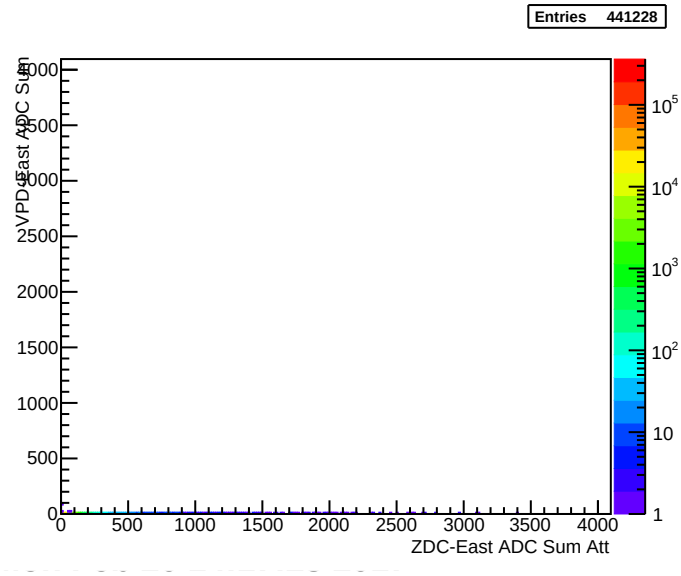

Entries 441228
TOF Mult
ZDC-West ADC Sum Att

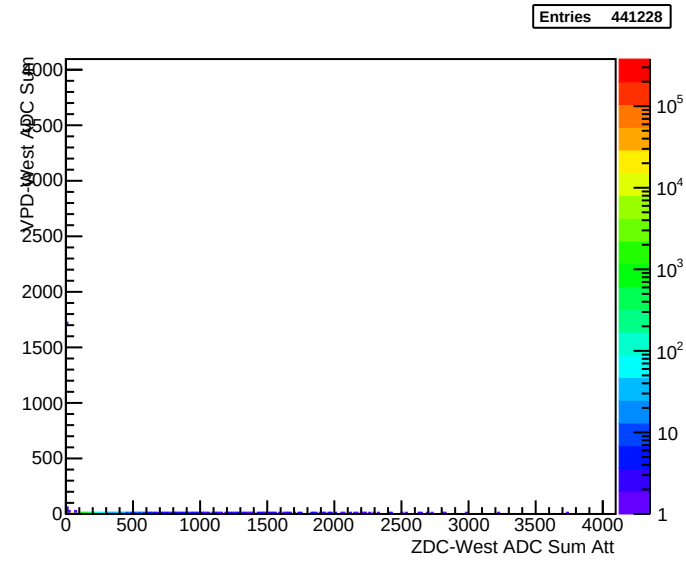

Entries 441228
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

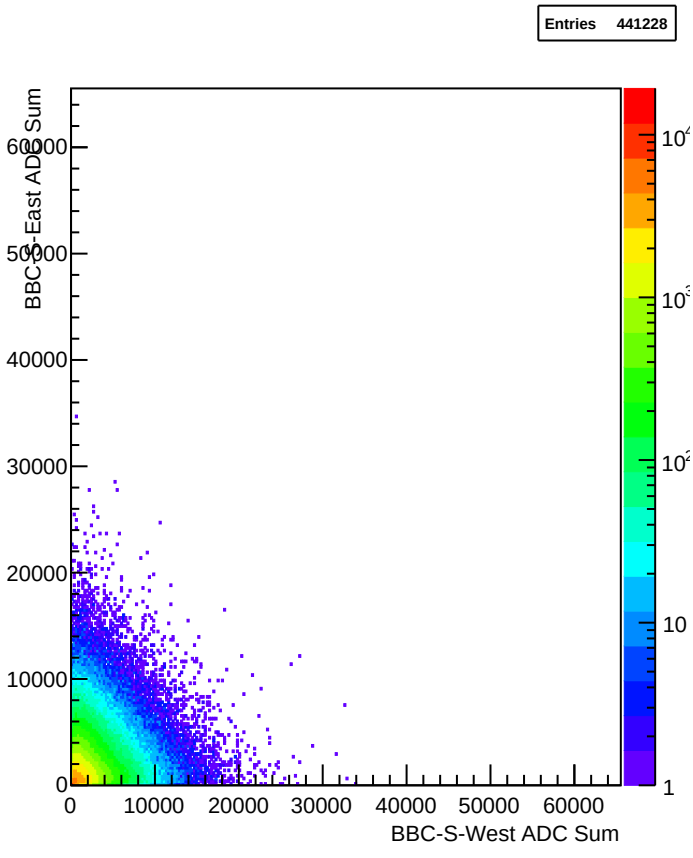

Entries 441228
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

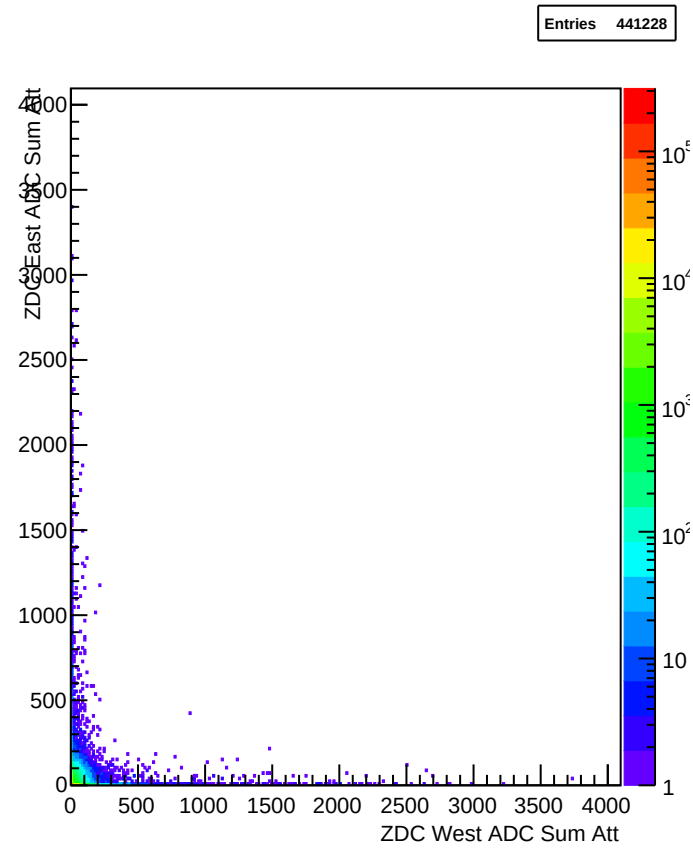

Entries 441228
BBC-S-East ADC Sum
VPD-East ADC Sum

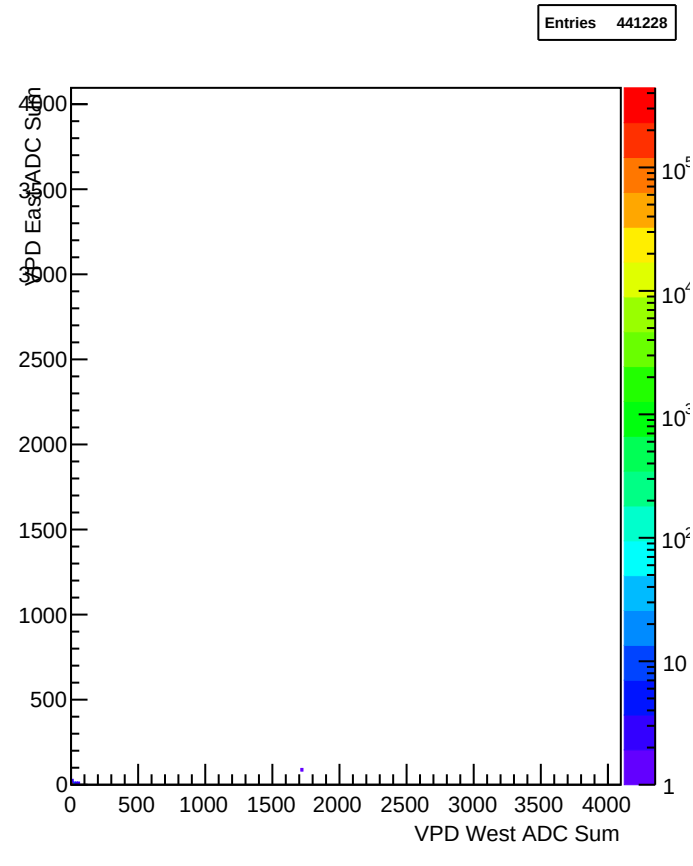

Entries 441228
BBC-S-West ADC Sum
VPD-West ADC Sum

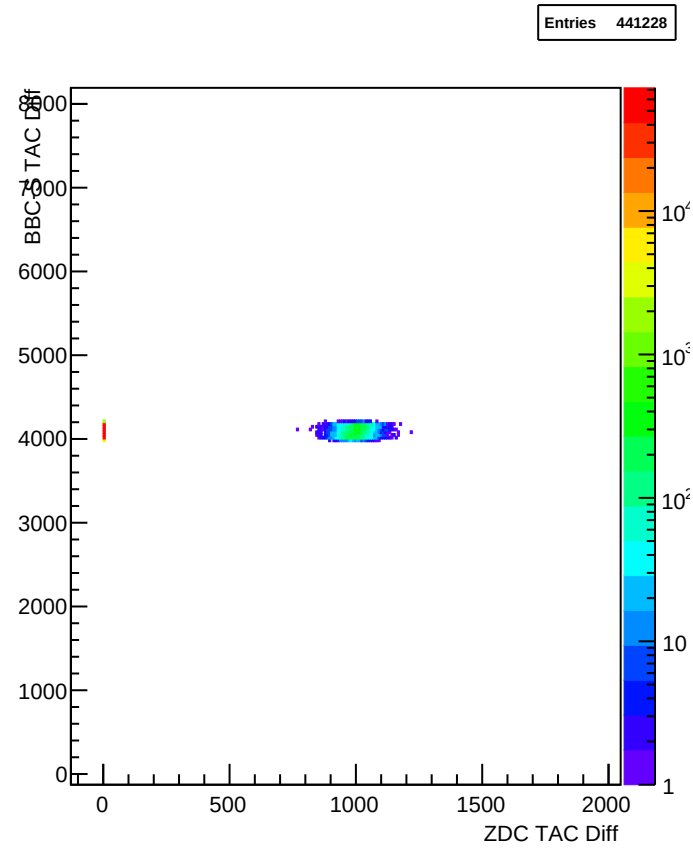

Entries 441228
VPD-East ADC Sum
ZDC-East ADC Sum Att

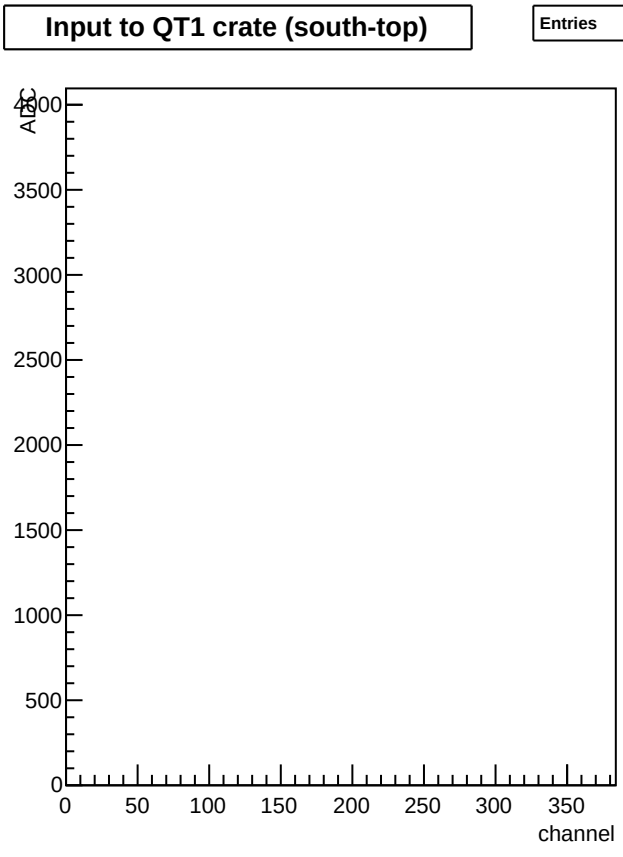

Entries 441228
VPD-West ADC Sum
ZDC-West ADC Sum Att

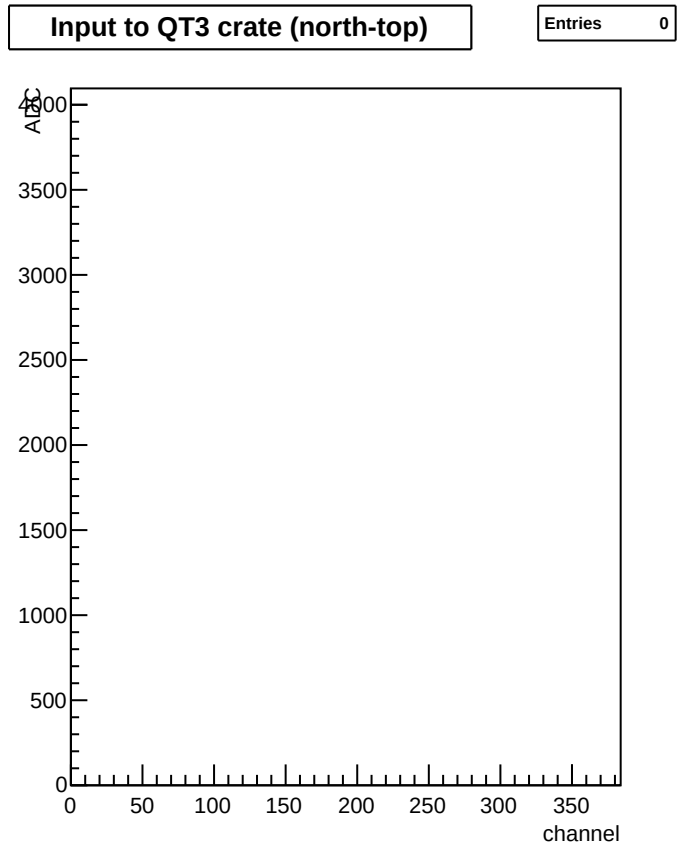

Entries 441228
BBC-S-East ADC Sum
BBC-S-West ADC Sum

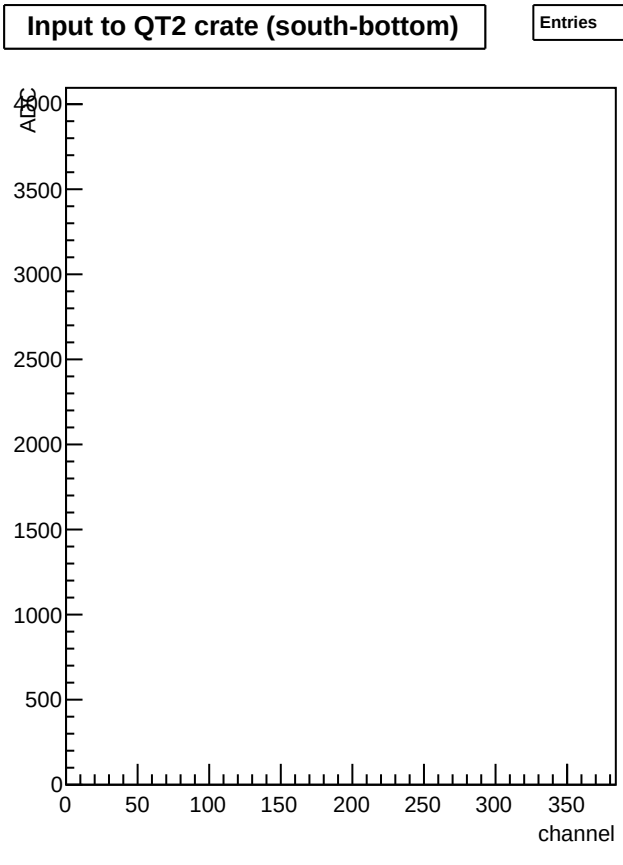

Entries 441228
ZDC East ADC Sum Att
ZDC West ADC Sum Att

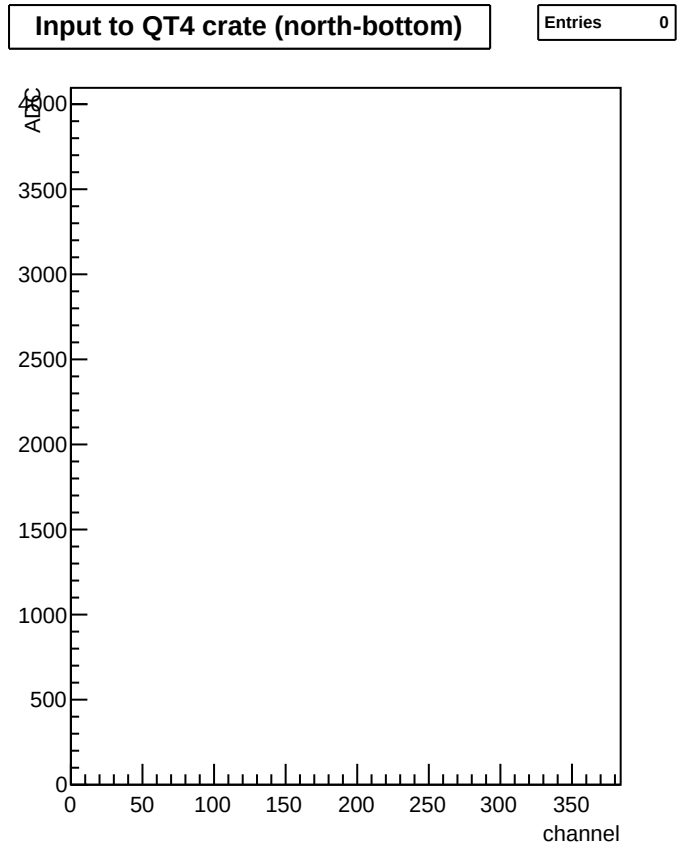

Entries 441228
VPD East ADC Sum
VPD West ADC Sum

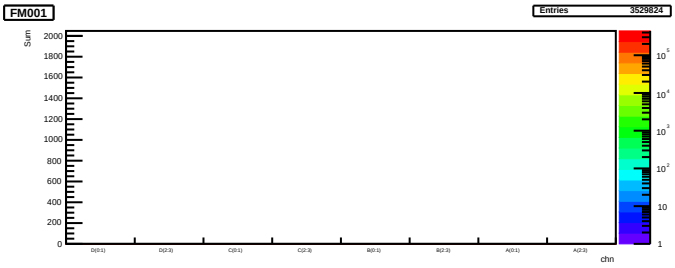

Entries 441228
BBC-S TAC Diff
ZDC TAC Diff

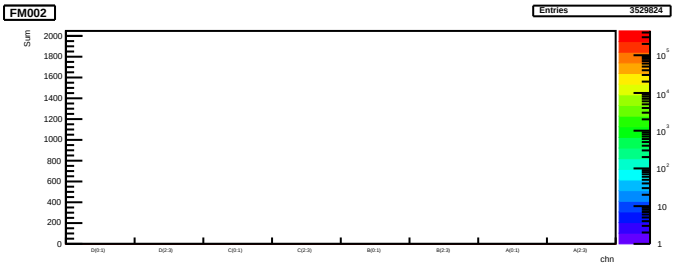

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

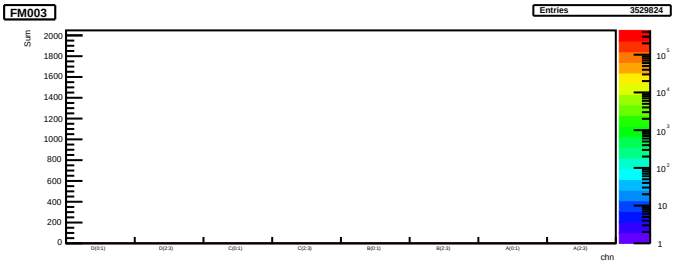

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

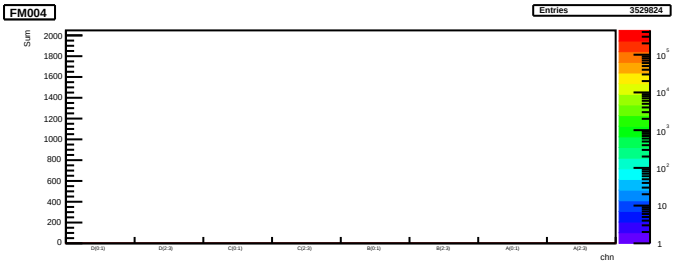

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

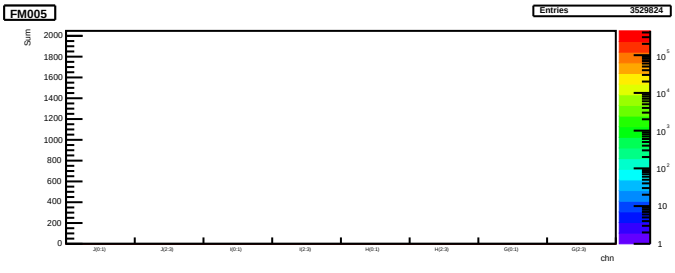

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

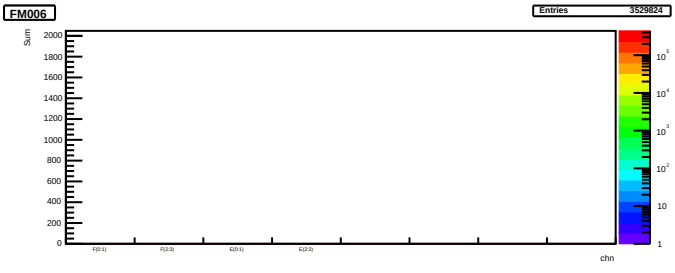

FM001
Entries 3529824
Sum
chn

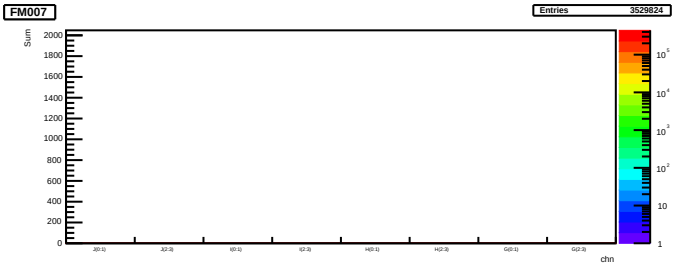

FM002
Entries 3529824
Sum
chn

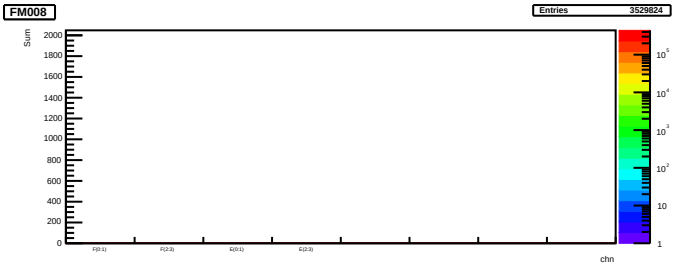

FM003
Entries 3529824
Sum
chn

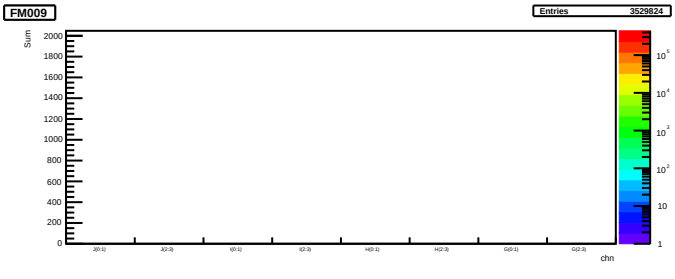

FM004
Entries 3529824
Sum
chn

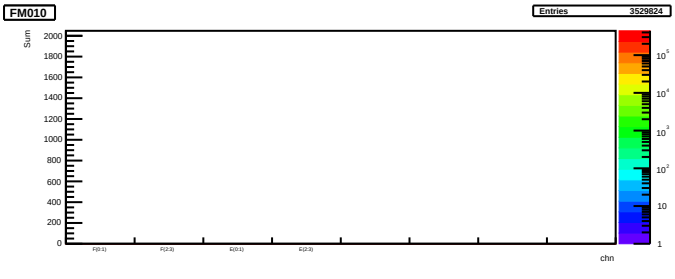

FM005
Entries 3529824
Sum
chn

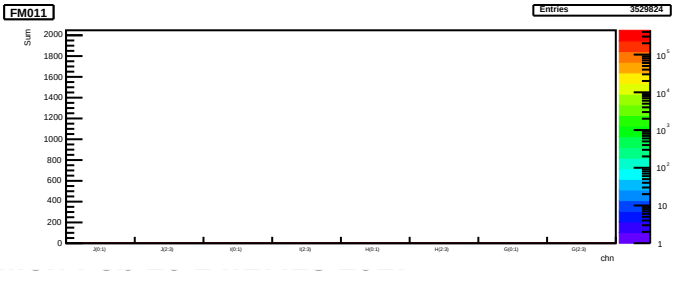

FM006
Entries 3529824
Sum
chn

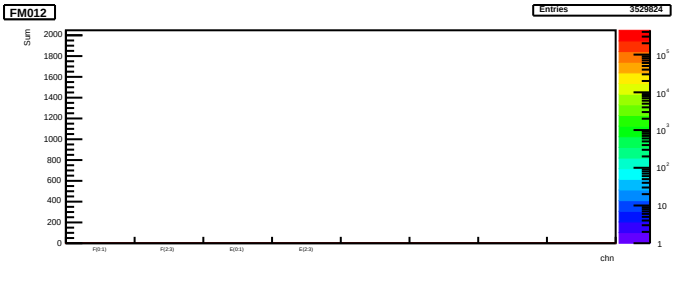

FM007
Entries 3529824
Sum
chn

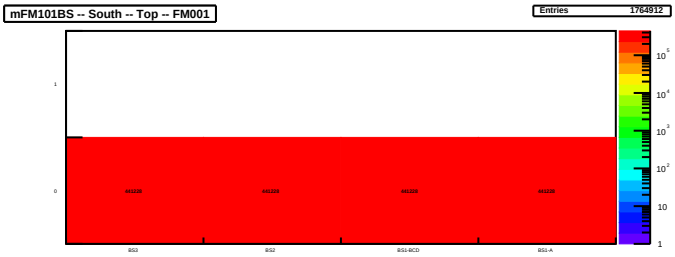

FM008
Entries 3529824
Sum
chn

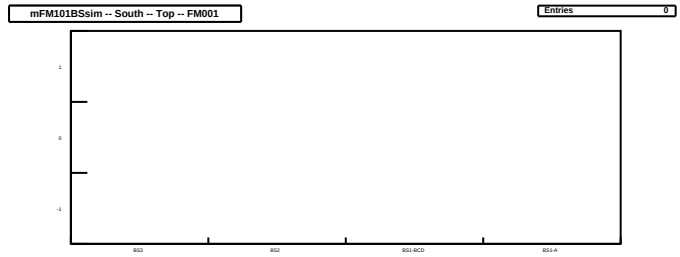

FM009
Entries 3529824
Sum
chn

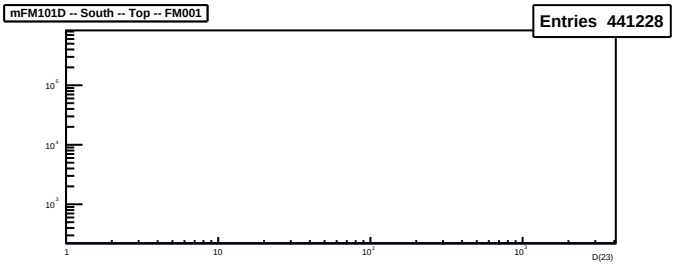

FM010
Entries 3529824
Sum
chn

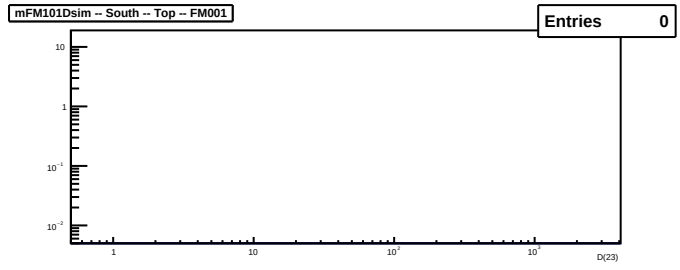

FM011
Entries 3529824
Sum
chn

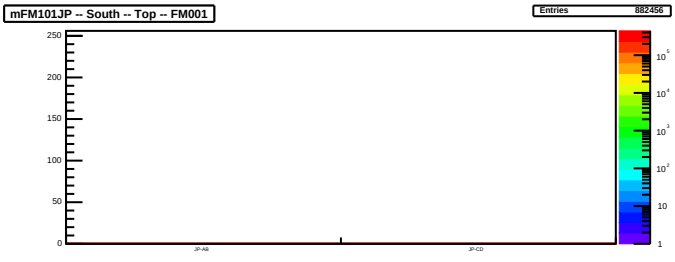

FM012
Entries 3529824
Sum
chn

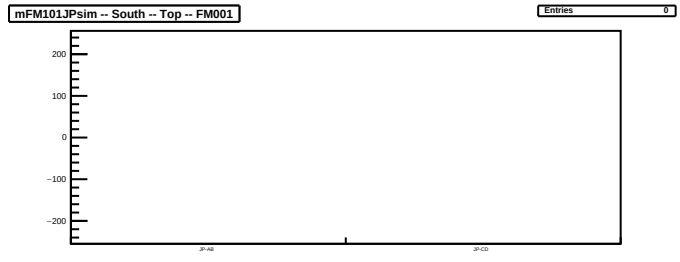

mFM101BS -- South -- Top -- FM001
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-BCD
BS1-A

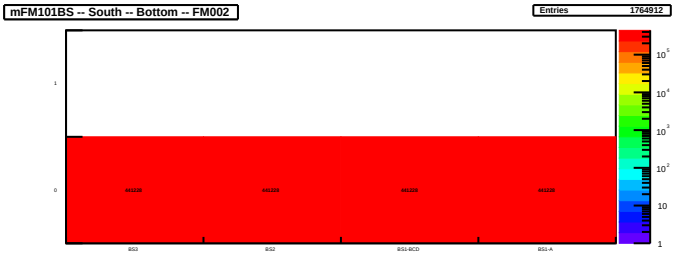

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A

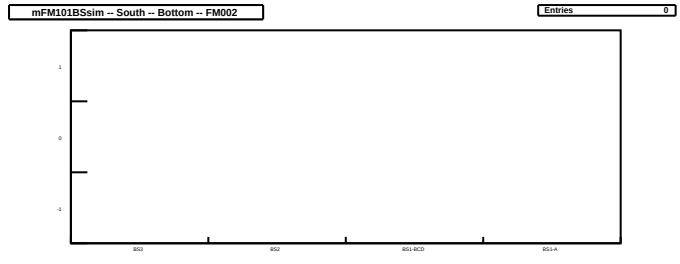

mFM101D -- South -- Top -- FM001
Entries 441228
D(23)

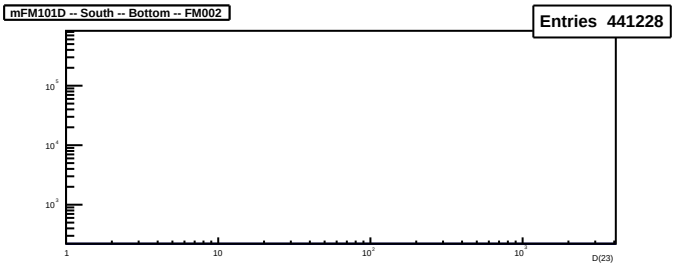

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

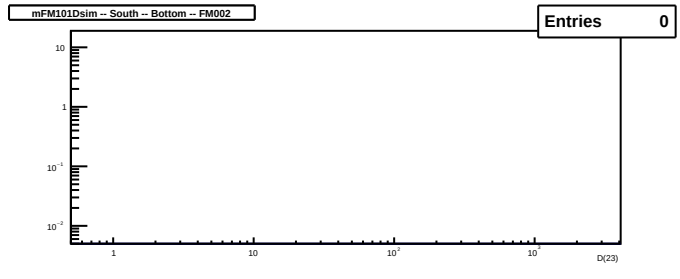

mFM101JP -- South -- Top -- FM001
Entries 882456
JP-AB
JP-CD


mFM101JPsim -- South -- Top -- FM001
Entries 0
JP-AB
JP-CD

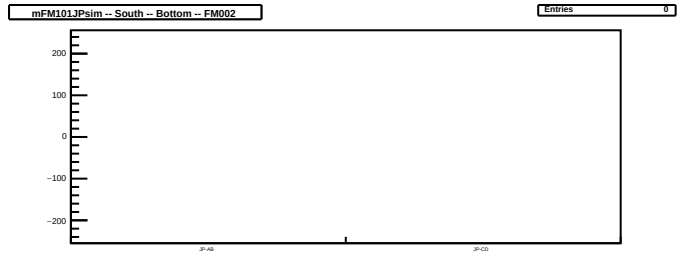

mFM101BS -- South -- Bottom -- FM002
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-BCD
BS1-A

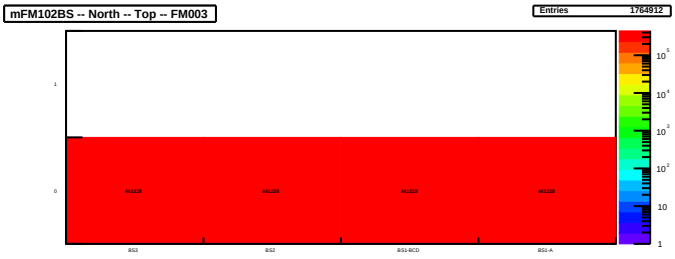

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 441228
D(23)

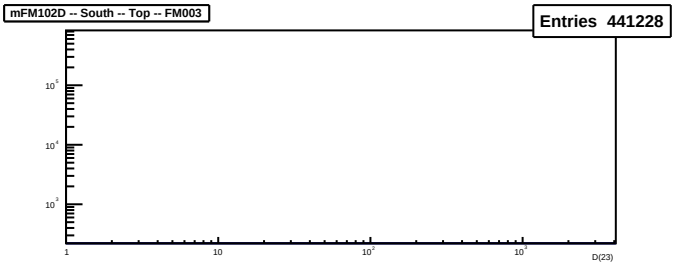

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

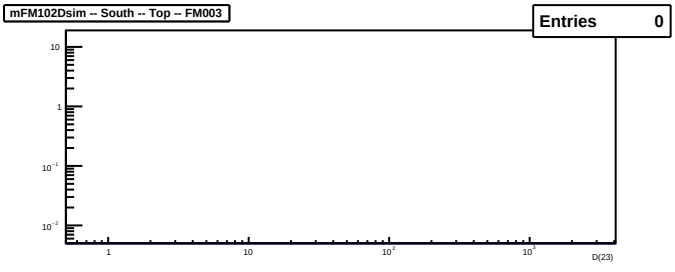
mFM101JP -- South -- Bottom -- FM002
Entries 882456
JP-AB
JP-CD

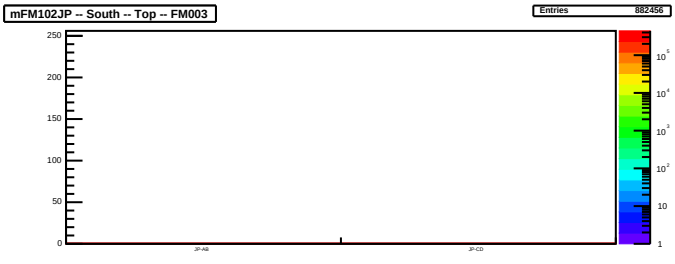

mFM101JPsim -- South -- Bottom -- FM002
Entries 0
JP-AB
JP-CD


mFM102BS -- North -- Top -- FM003
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-BCD
BS1-A

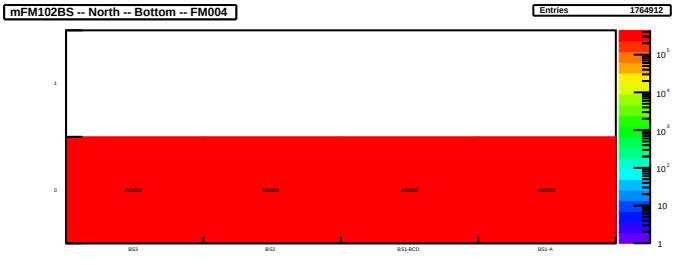
mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Top -- FM003
Entries 441228
D(23)

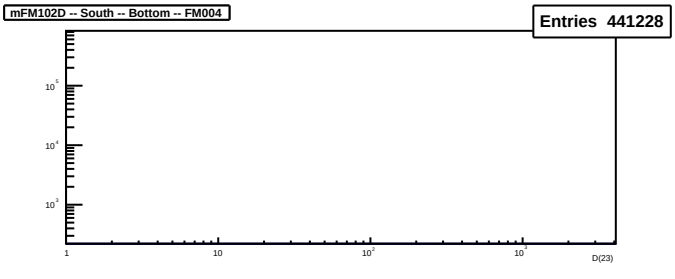

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

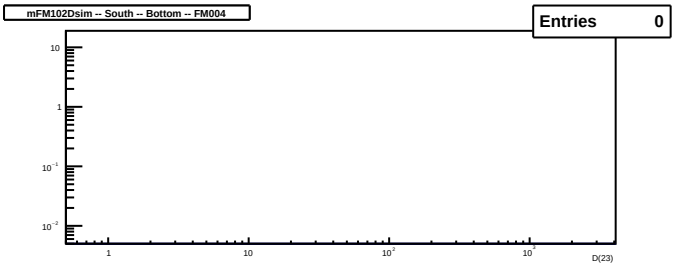

mFM102JP -- South -- Top -- FM003
Entries 882456
JP-AB
JP-CD

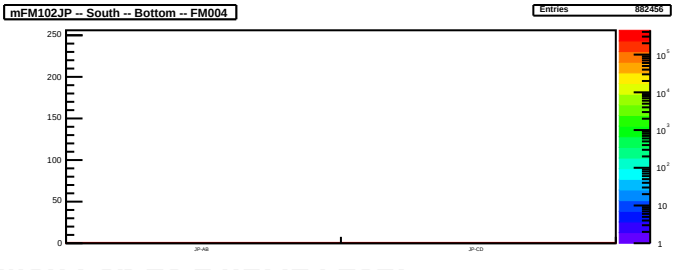
mFM102JPsim -- South -- Top -- FM003
Entries 0
JP-AB
JP-CD

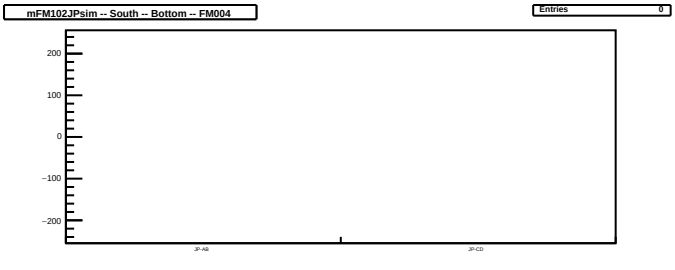

mFM102BS -- North -- Bottom -- FM004
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-BCD
BS1-A

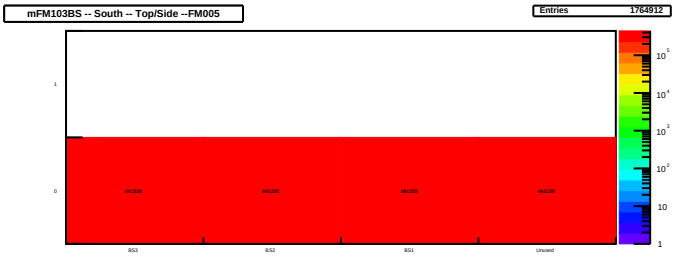
mFM102BSsim -- North -- Bottom -- FM004
Entries 0
BS3
BS2
BS1-BCD
BS1-A

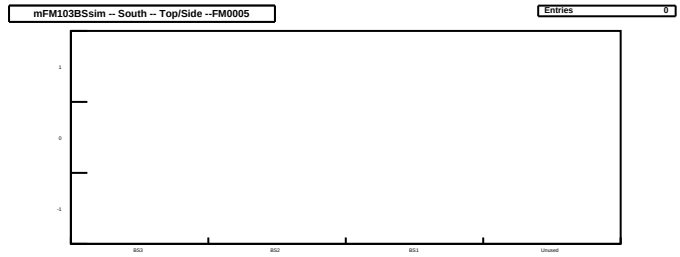

mFM102D -- South -- Bottom -- FM004
Entries 441228
D(23)

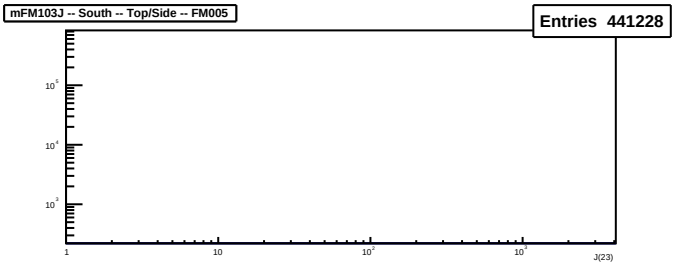

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

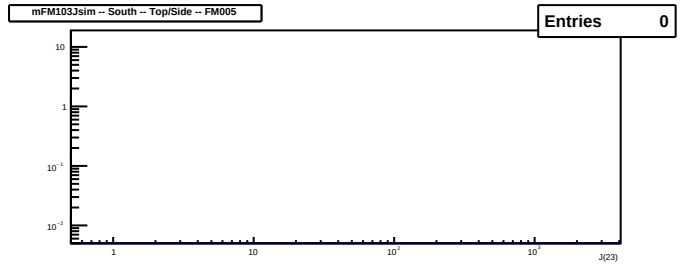

mFM102JP -- South -- Bottom -- FM004
Entries 882456
JP-AB
JP-CD

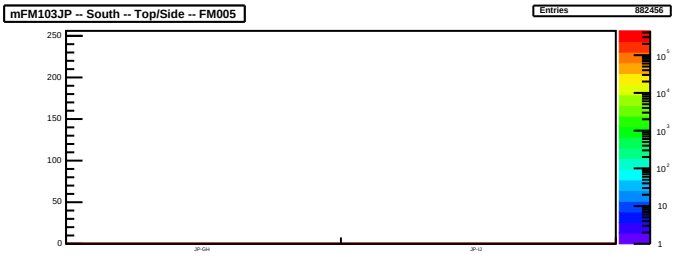

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD


mFM103BS -- South -- Top/Side --FM005
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1
Unused

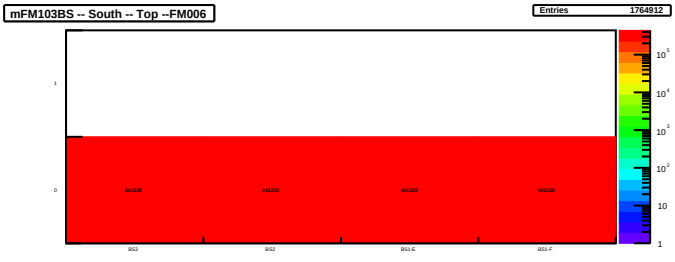

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

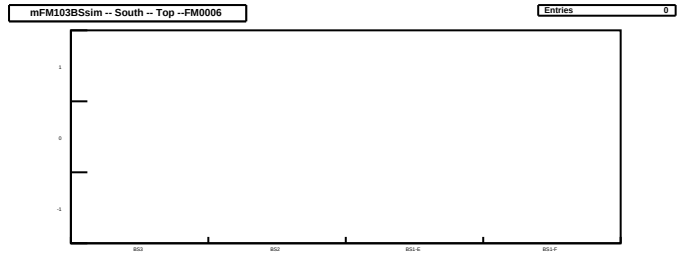

mFM103J -- South -- Top/Side -- FM005
Entries 441228
J(23)

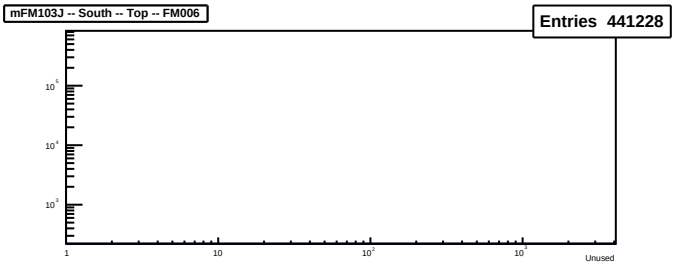

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

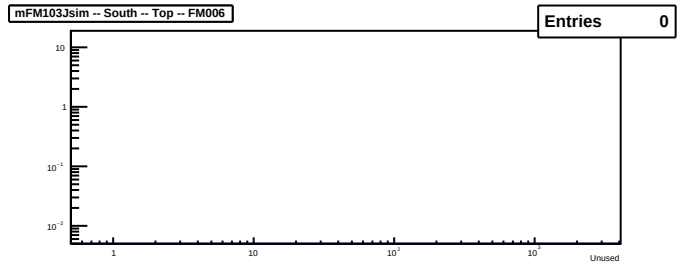

mFM103JP -- South -- Top/Side -- FM005
Entries 882456
JP-GH
JP-U

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-U


mFM103BS -- South -- Top --FM006
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-E
BS1-F


mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F


mFM103J -- South -- Top -- FM006
Entries 441228
Unused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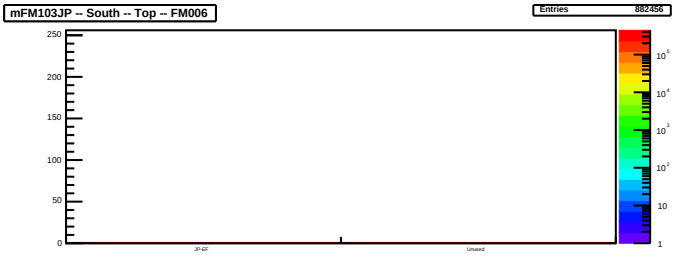
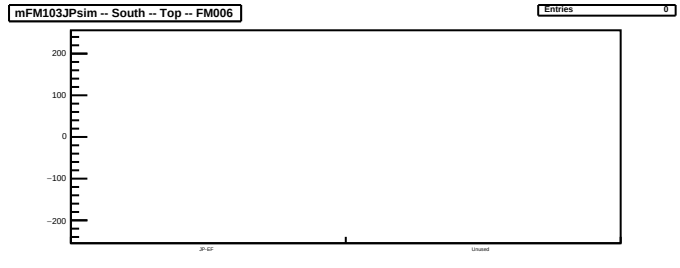
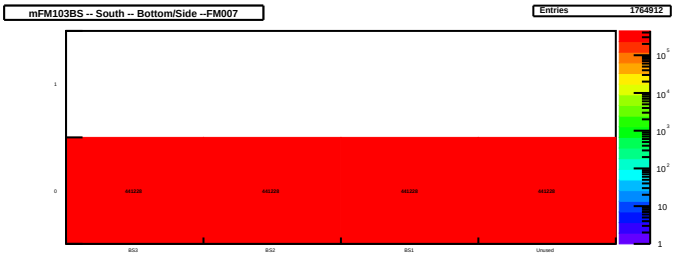
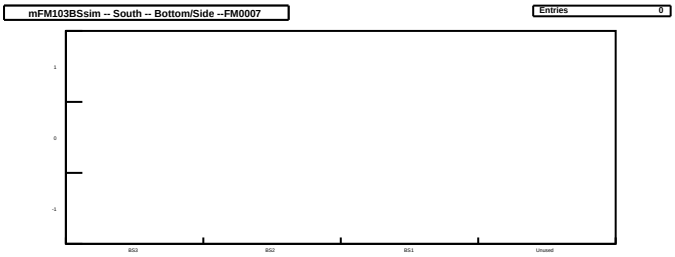
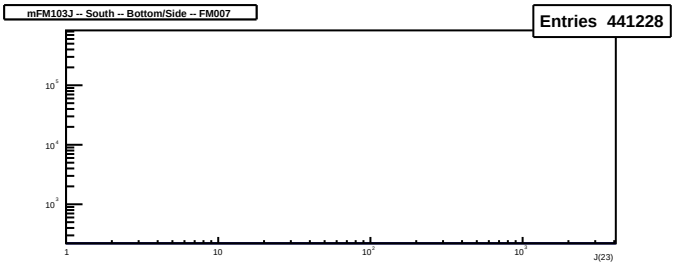
Entries 0
Unused

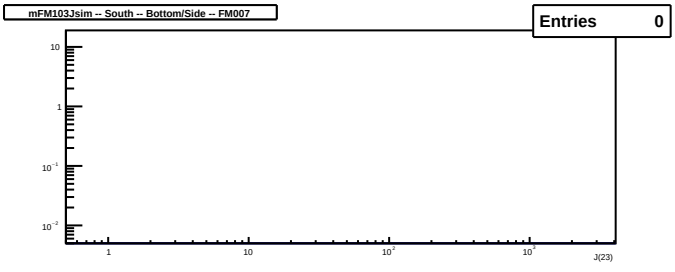

mFM103JP -- South -- Top -- FM006
Entries 882456
JP-EF
Unused


mFM103JPsim -- South -- Top -- FM006
Entries 0
JP-EF
Unused

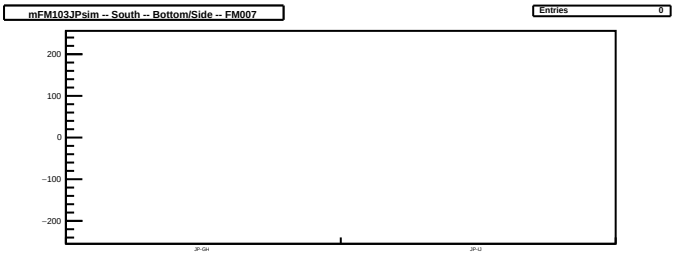

mFM103BS -- South -- Bottom/Side --FM007
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1
Unused

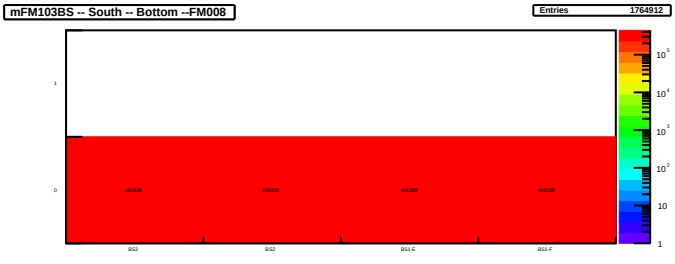

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 0
BS3
BS2
BS1
Unused

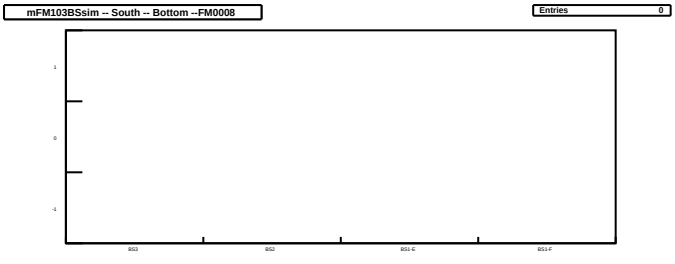

mFM103J -- South -- Bottom/Side -- FM007
Entries 441228
J(23)

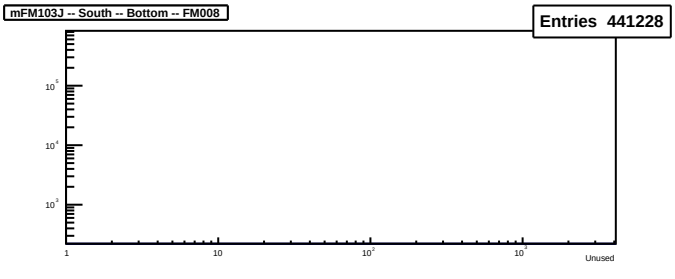

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

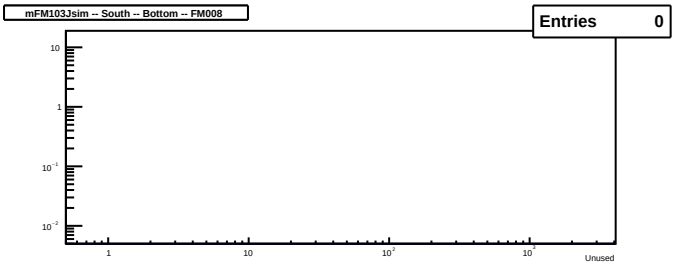
mFM103JP -- South -- Bottom/Side -- FM007
Entries 882456
JP-GH
JP-IJ

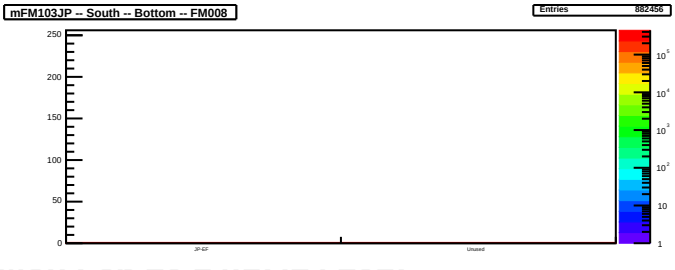

mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 0
JP-GH
JP-IJ

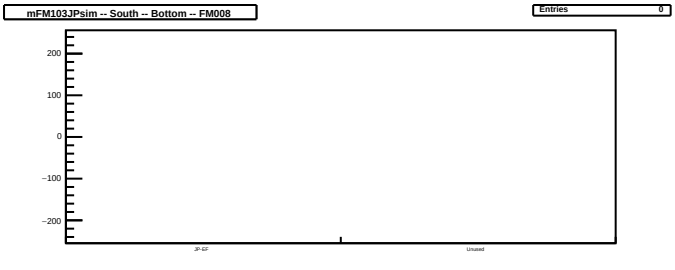

mFM103BS -- South -- Bottom --FM008
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-E
BS1-F

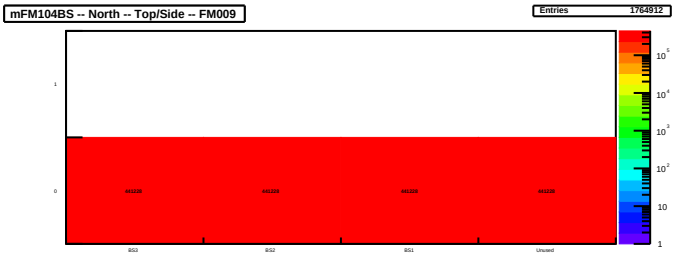

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F

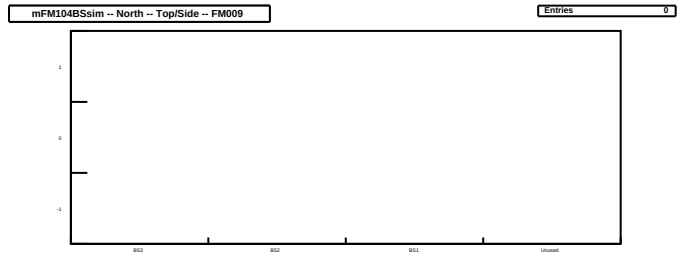

mFM103J -- South -- Bottom -- FM008
Entries 441228
Unused

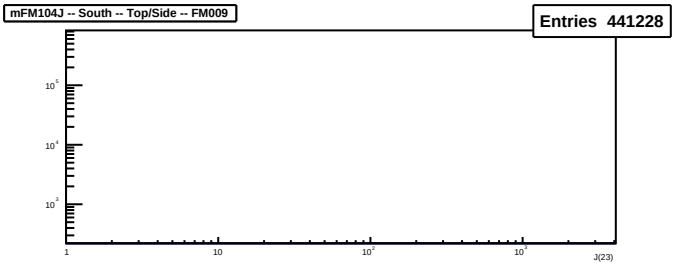

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

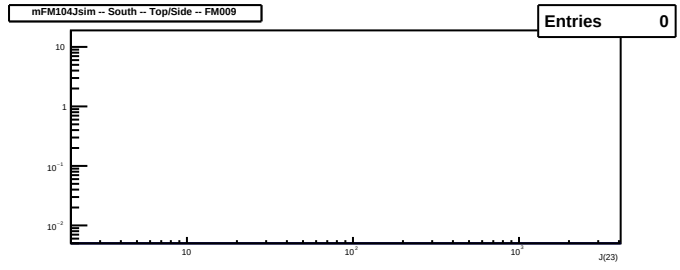

mFM103JP -- South -- Bottom -- FM008
Entries 882456
JP-EF
Unused

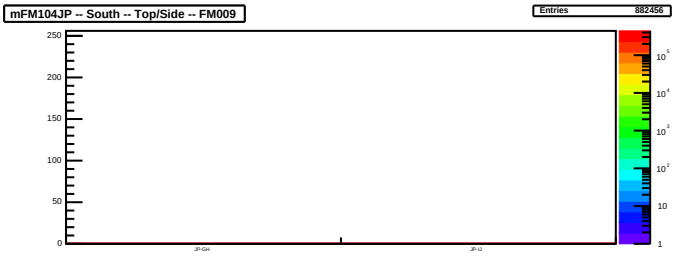

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused


mFM104BS -- North -- Top/Side -- FM009
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1
Unused

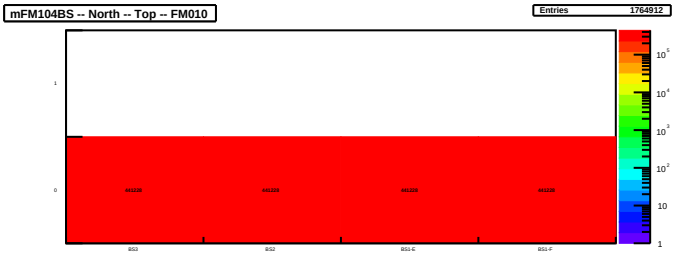

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

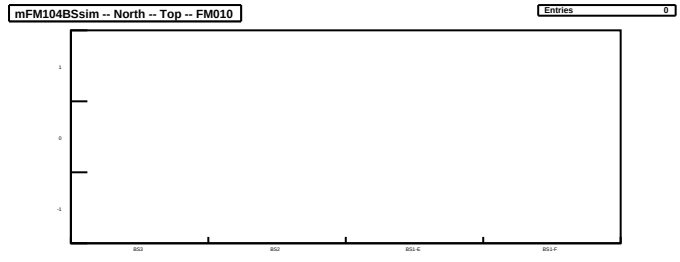

mFM104J -- South -- Top/Side -- FM009
Entries 441228
J(23)

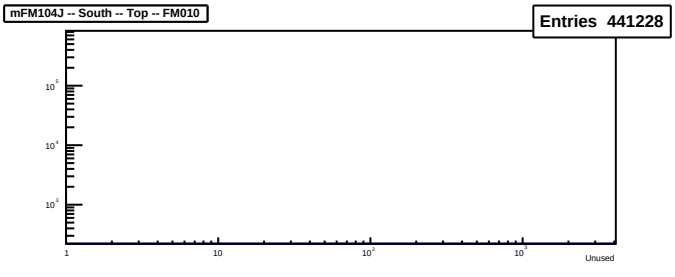

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

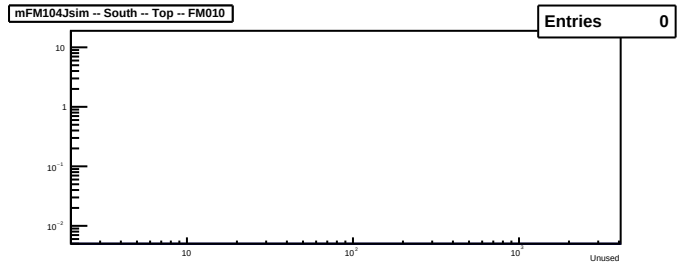

mFM104JP -- South -- Top/Side -- FM009
Entries 882456
JP-GH
JP-IJ

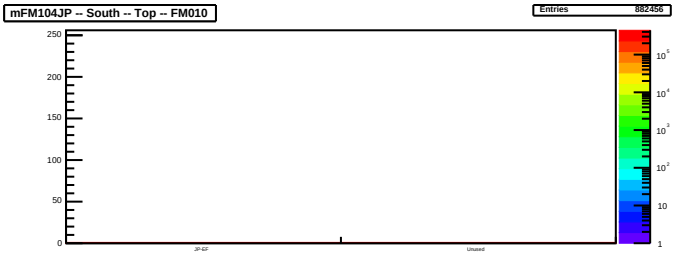
mFM104JPsim -- South -- Top/Side -- FM009
Entries 0
JP-GH
JP-IJ


mFM104BS -- North -- Top -- FM010
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-E
BS1-F

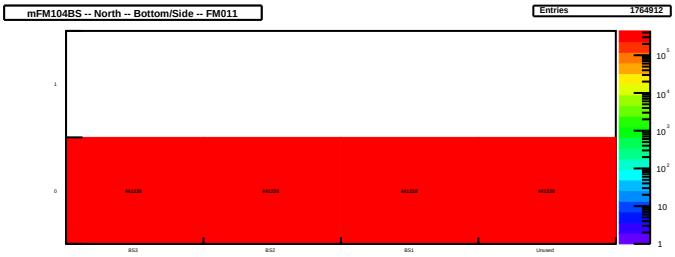

mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F

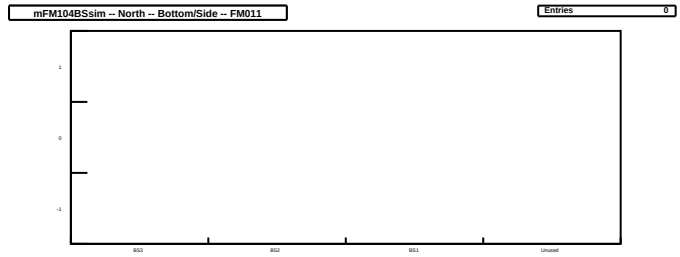

mFM104J -- South -- Top -- FM010
Entries 441228
Unused

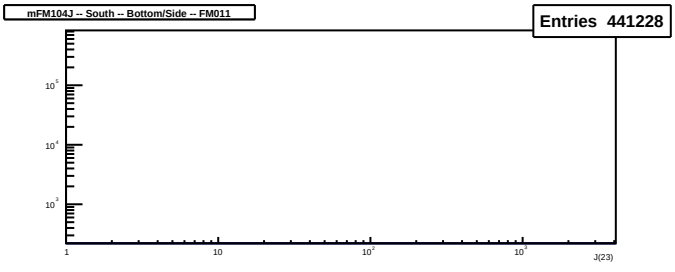

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

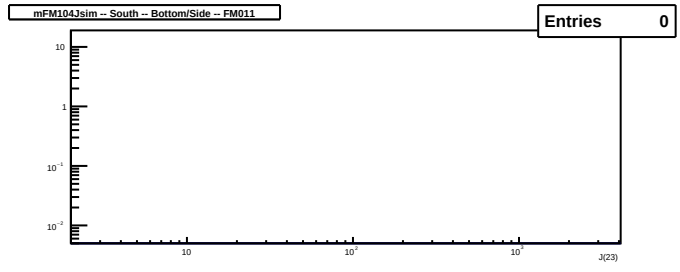

mFM104JP -- South -- Top -- FM010
Entries 882456
JP-EF
Unused

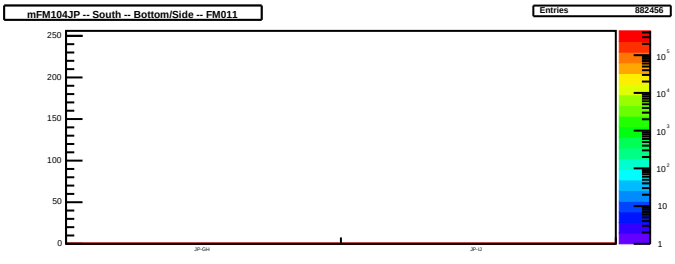
mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

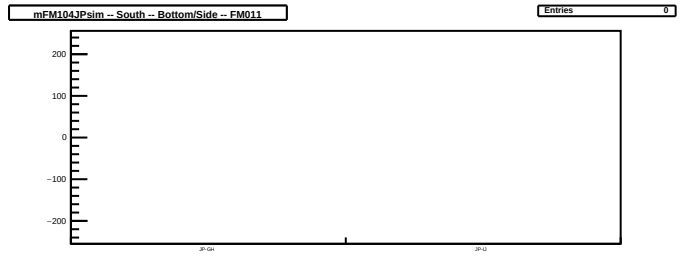

mFM104BS -- North -- Bottom/Side -- FM011
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1
Unused

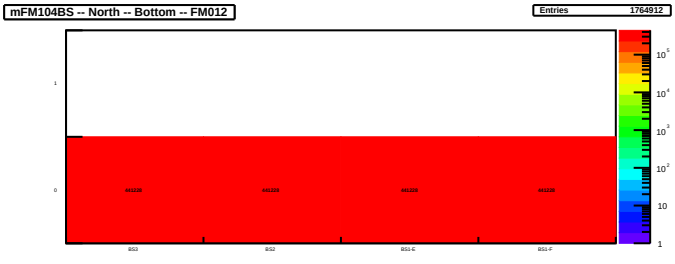

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

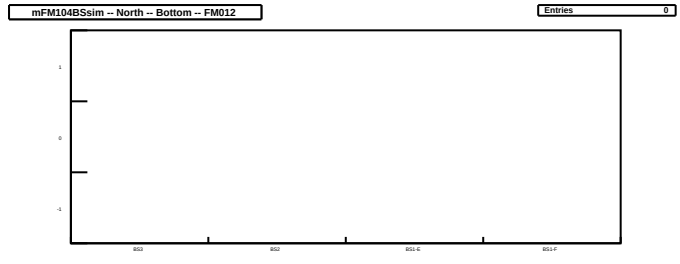

mFM104J -- South -- Bottom/Side -- FM011
Entries 441228
J(23)

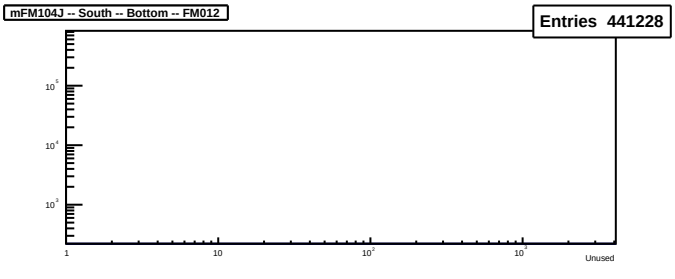

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

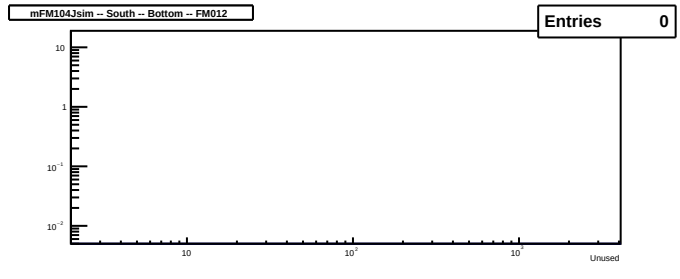

mFM104JP -- South -- Bottom/Side -- FM011
Entries 882456
JP-GH
JP-IJ


mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0
JP-GH
JP-IJ


mFM104BS -- North -- Bottom -- FM012
Entries 1764912
441228
441228
441228
441228
BS3
BS2
BS1-E
BS1-F

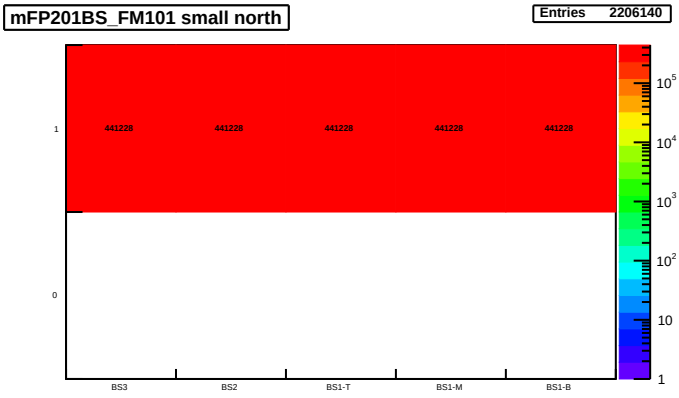

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

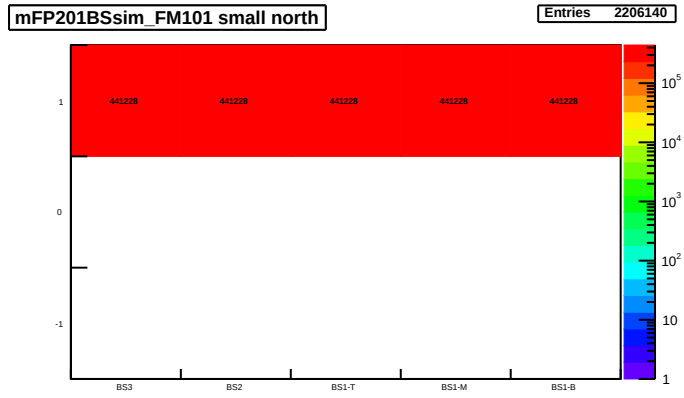

mFM104J -- South -- Bottom -- FM012
Entries 441228
Unused

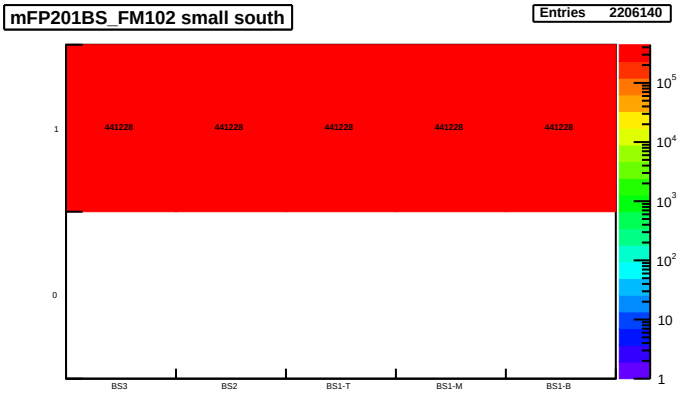

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

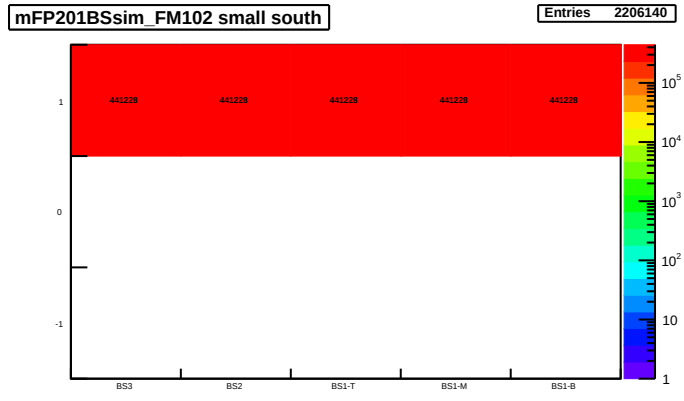
mFM104JP -- South -- Bottom -- FM012
Entries 882456
JP-EF
Unused

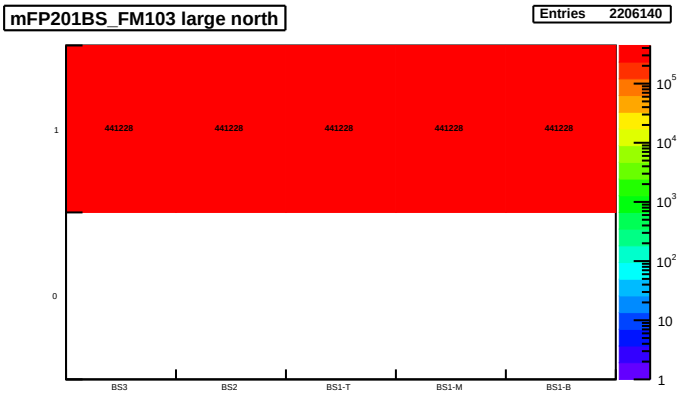
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

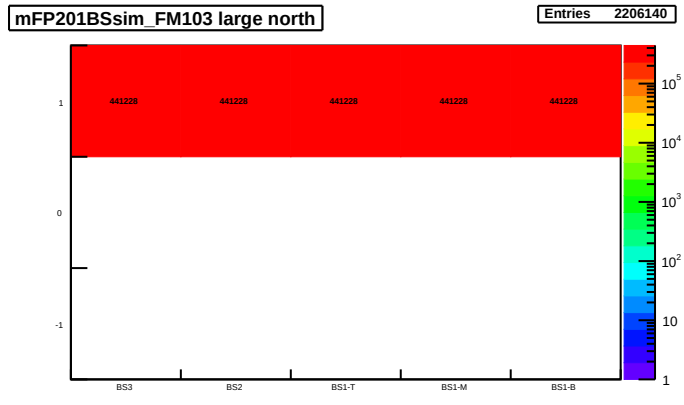

mFP201BS_FM101 small north
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

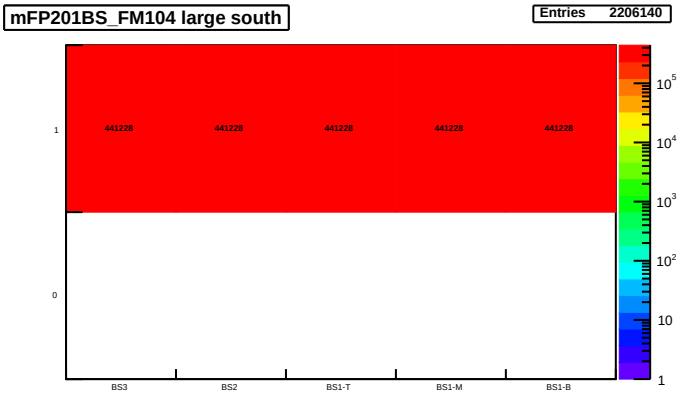

mFP201BSsim_FM101 small north
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

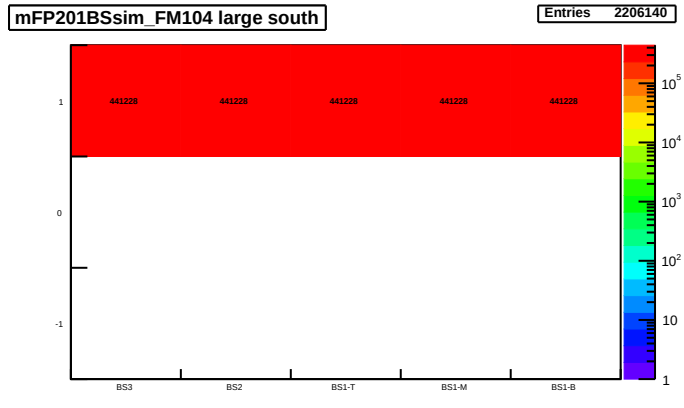

mFP201BS_FM102 small south
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

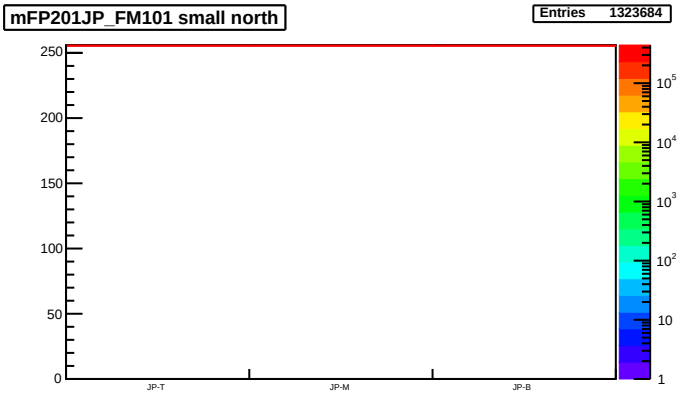

mFP201BSsim_FM102 small south
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

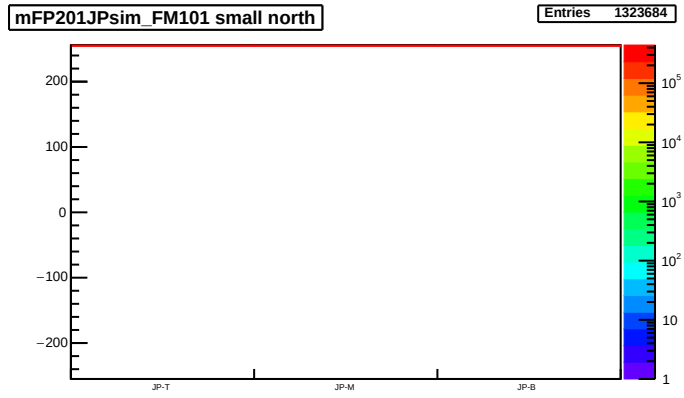

mFP201BS_FM103 large north
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

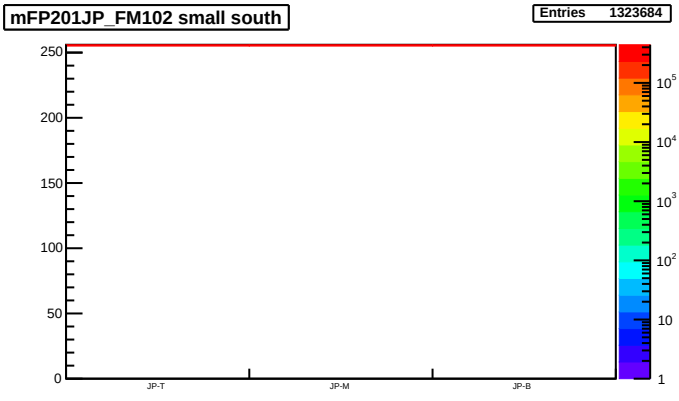

mFP201BSsim_FM103 large north
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

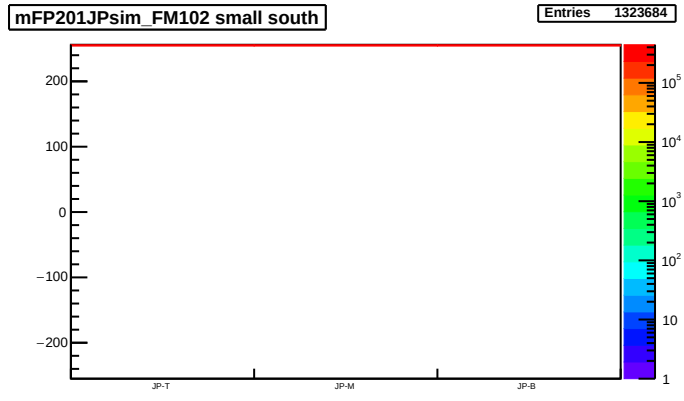

mFP201BS_FM104 large south
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

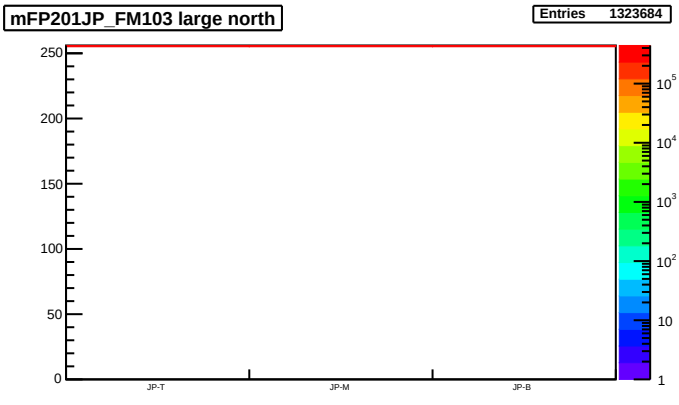

mFP201BSsim_FM104 large south
Entries 2206140
441228
BS3
BS2
BS1-T
BS1-M
BS1-B

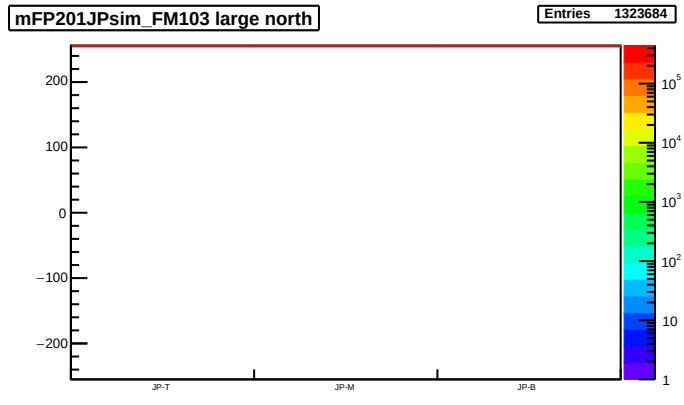

mFP201JP_FM101 small north
Entries 1323684
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

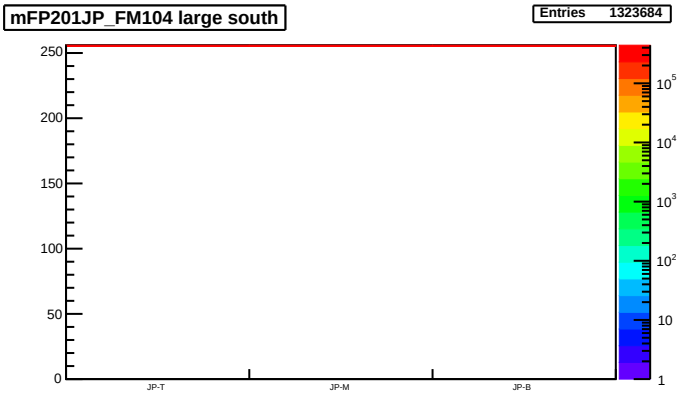

mFP201JPsim_FM101 small north
Entries 1323684
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

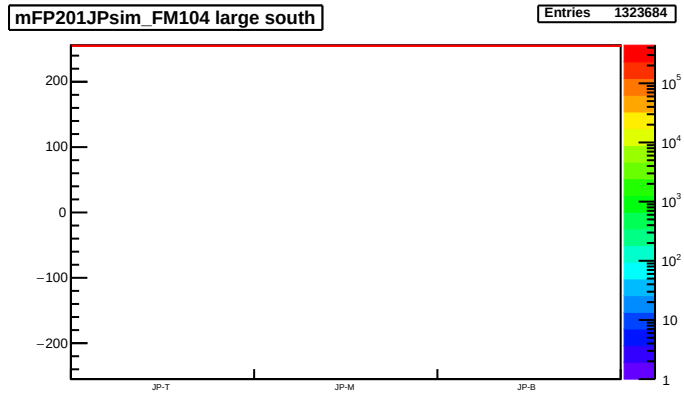

mFP201JP_FM102 small south
Entries 1323684
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

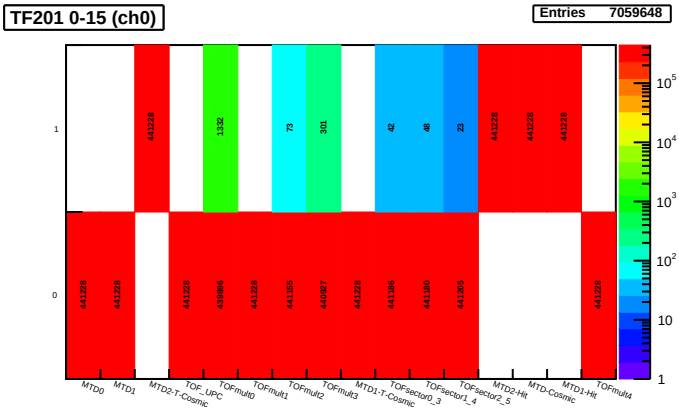

mFP201JPsim_FM102 small south
Entries 1323684
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

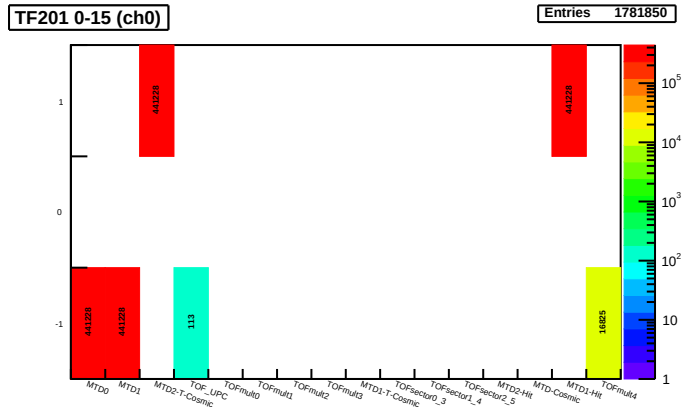

mFP201JP_FM103 large north
Entries 1323684
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

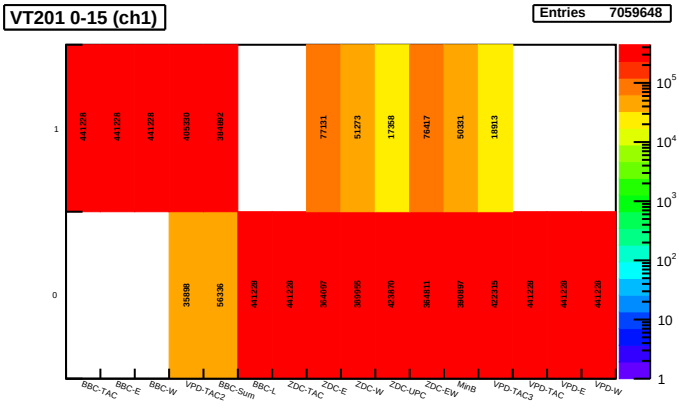

mFP201JPsim_FM103 large north
Entries 1323684
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

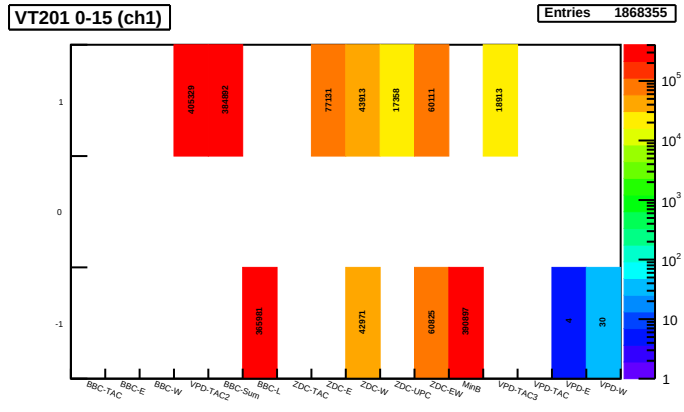

mFP201JP_FM104 large south
Entries 1323684
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

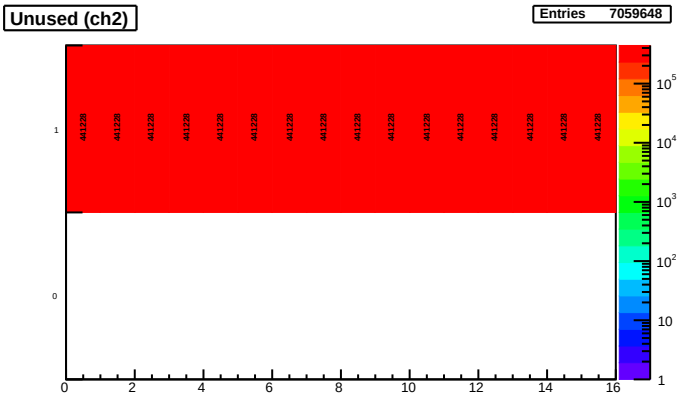

mFP201JPsim_FM104 large south
Entries 1323684
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

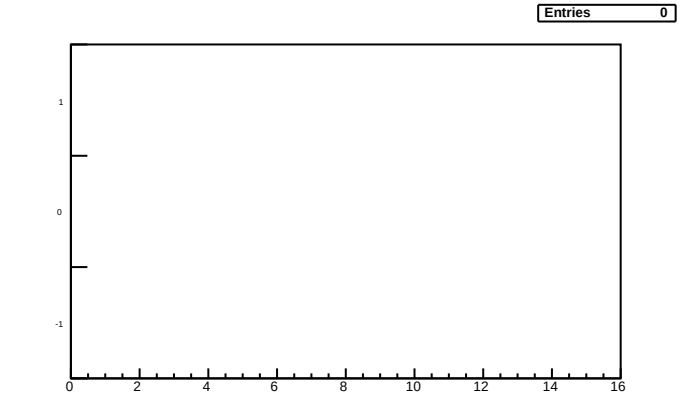

TF201 0-15 (ch0)
Entries 7059648
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

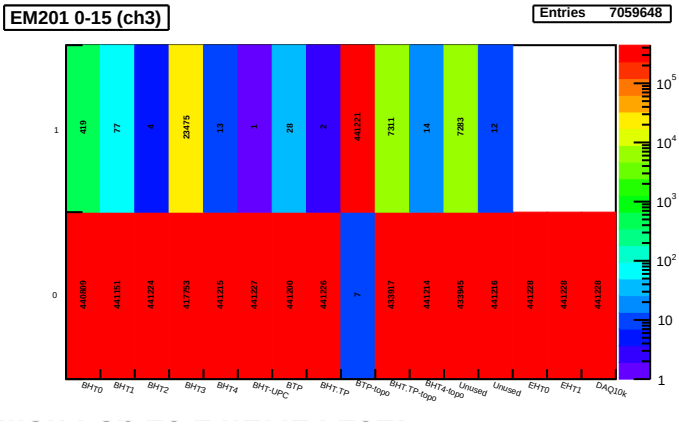

TF201 0-15 (ch0)
Entries 1781850
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

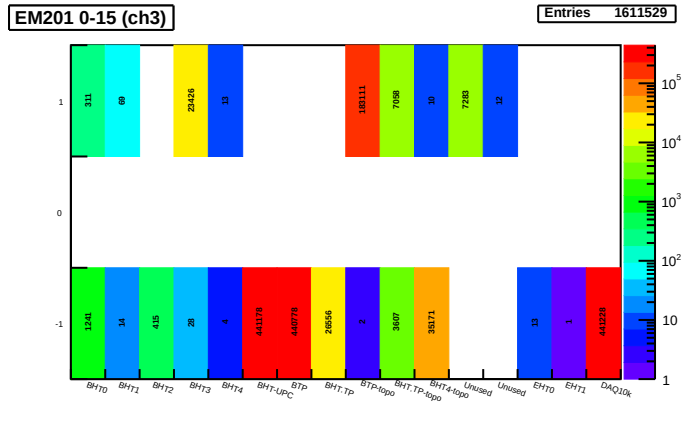

VT201 0-15 (ch1)
Entries 7059648
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W

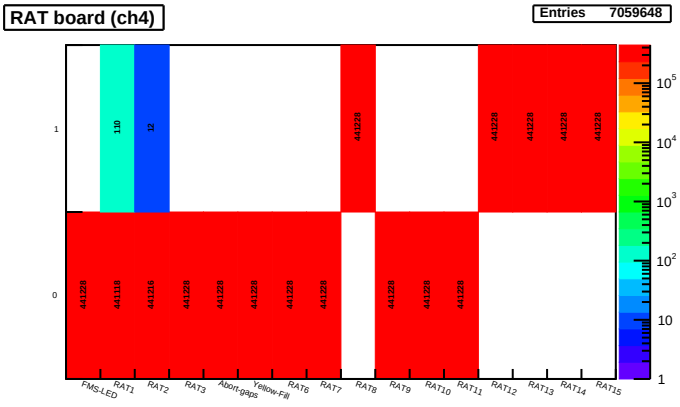

VT201 0-15 (ch1)
Entries 1868355
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W

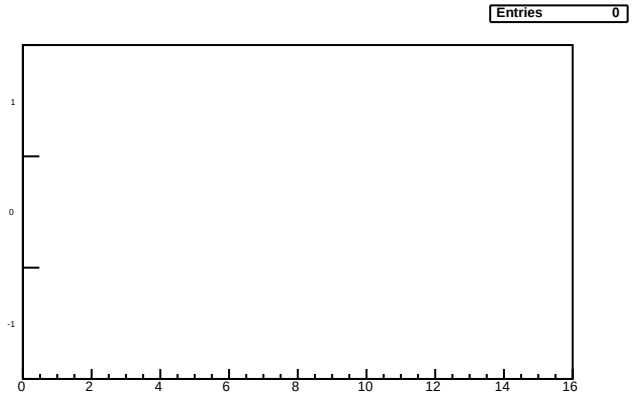

Unused (ch2)
Entries 7059648

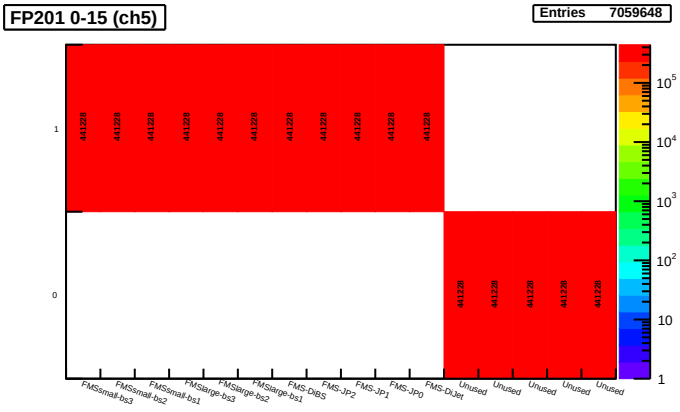

Entries 0

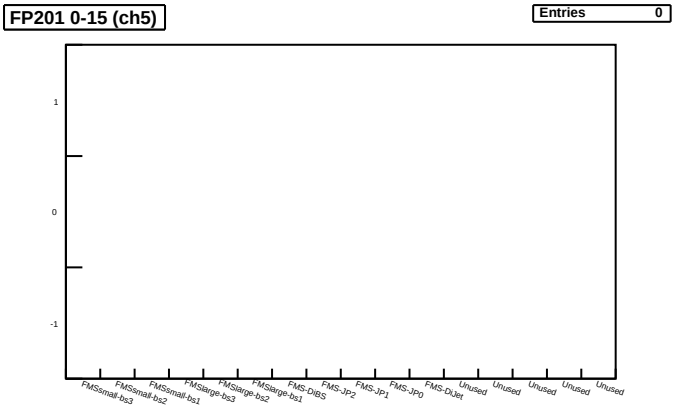

EM201 0-15 (ch3)
Entries 7059648
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT-TP
BTP-topo
BHT-TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

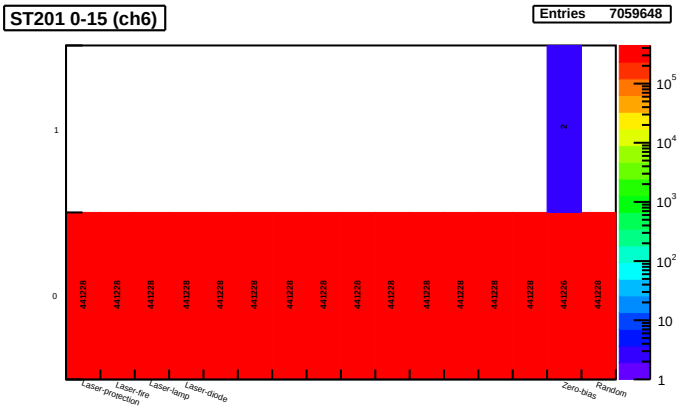

EM201 0-15 (ch3)
Entries 1611529
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT-TP
BTP-topo
BHT-TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

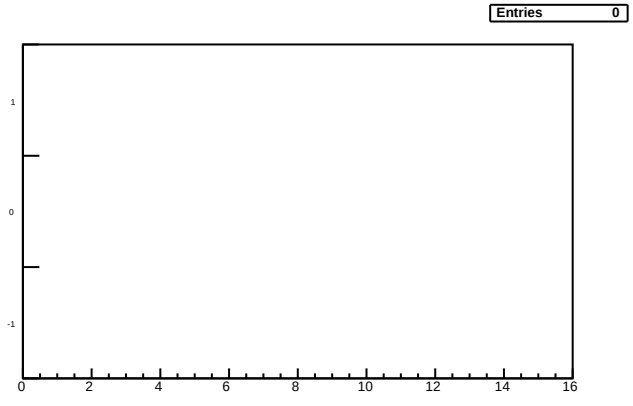

RAT board (ch4)
Entries 7059648
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15


Entries 0


FP201 0-15 (ch5)
Entries 7059648
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused
Unused
Unused
Unused
Unused


FP201 0-15 (ch5)
Entries 0
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused
Unused
Unused
Unused
Unused


ST201 0-15 (ch6)
Entries 7059648
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random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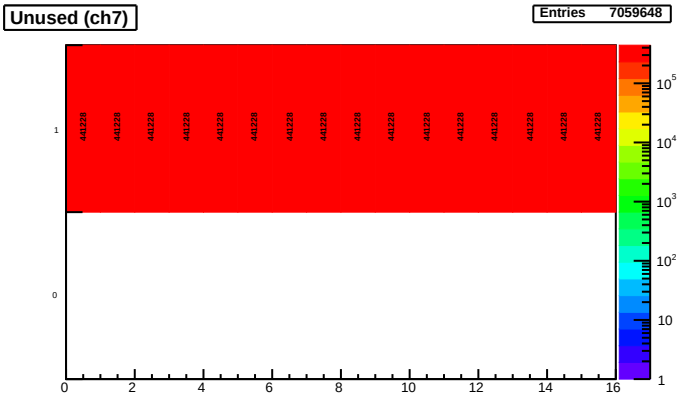
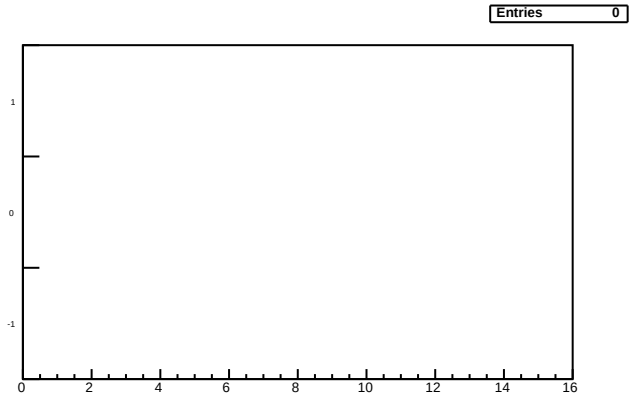

Unused (ch7)
Entries 7059648


Entries 0