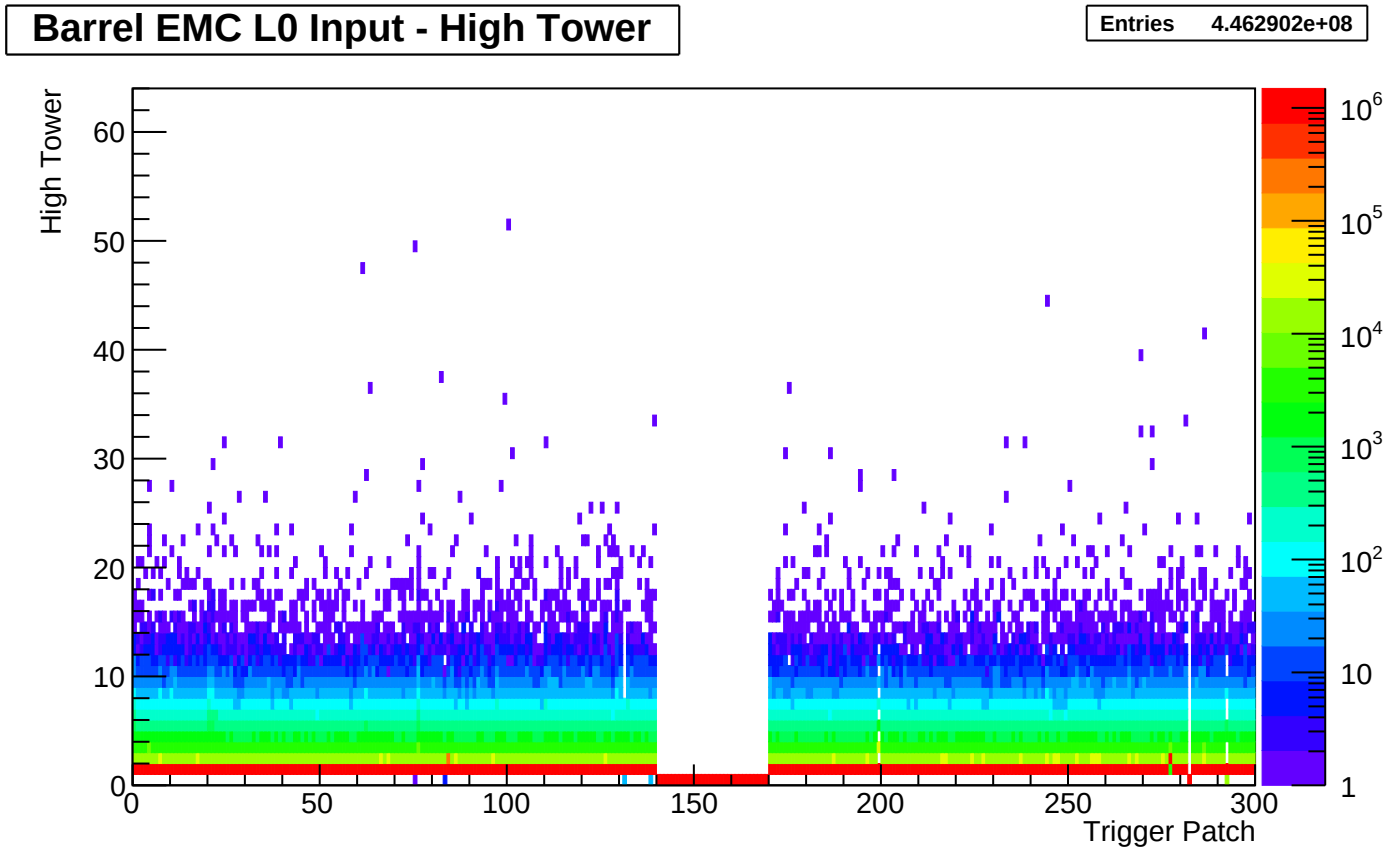
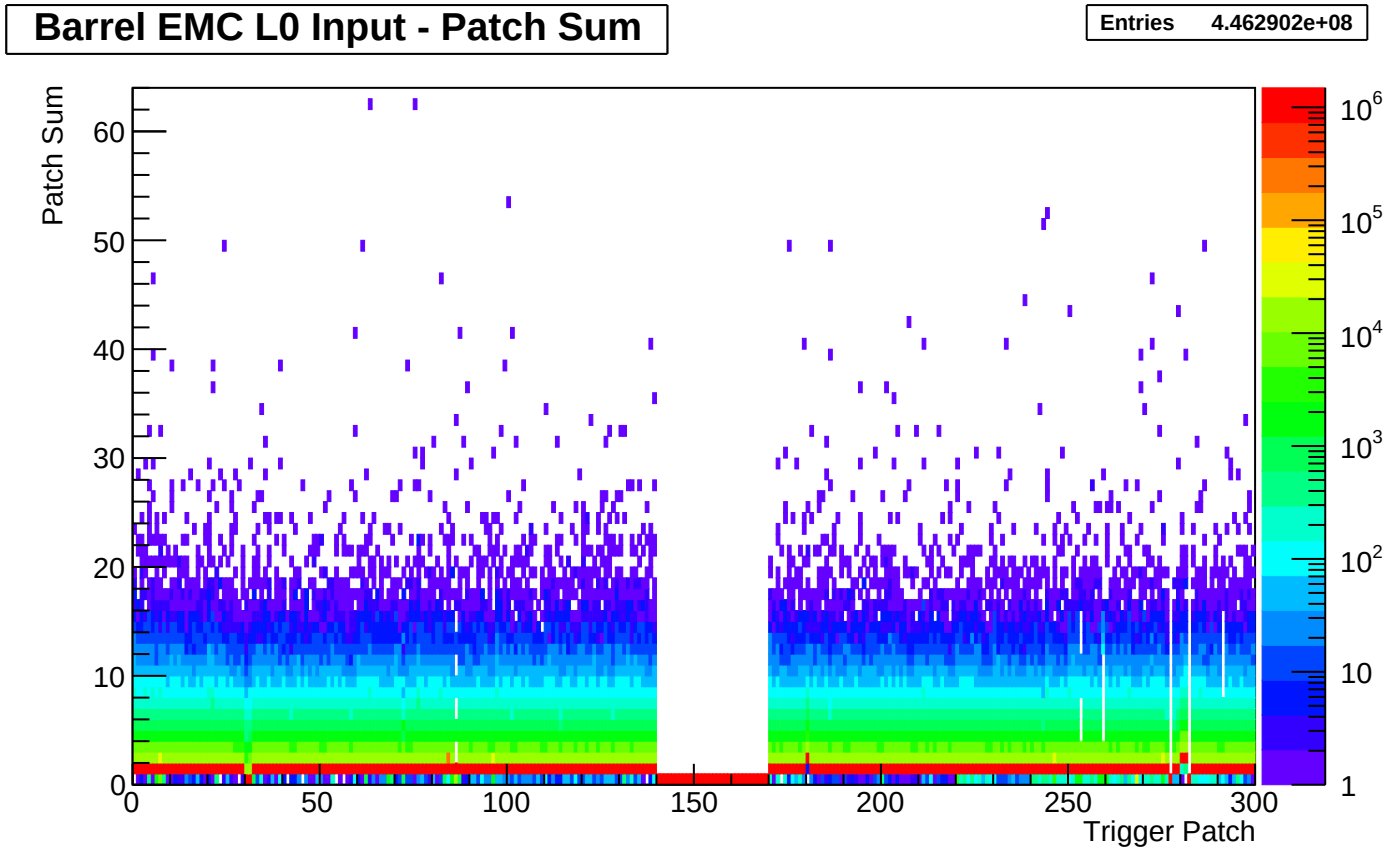
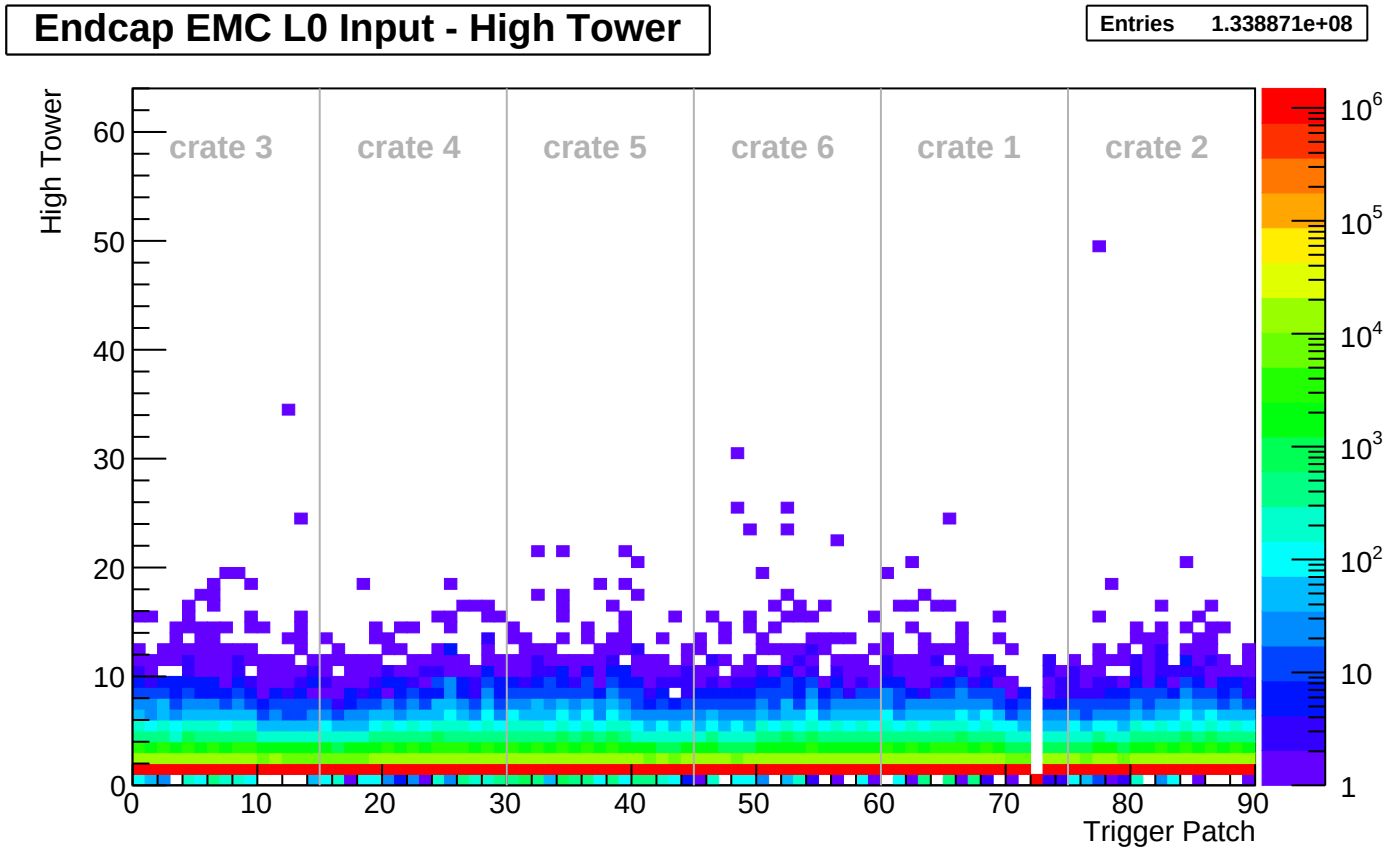
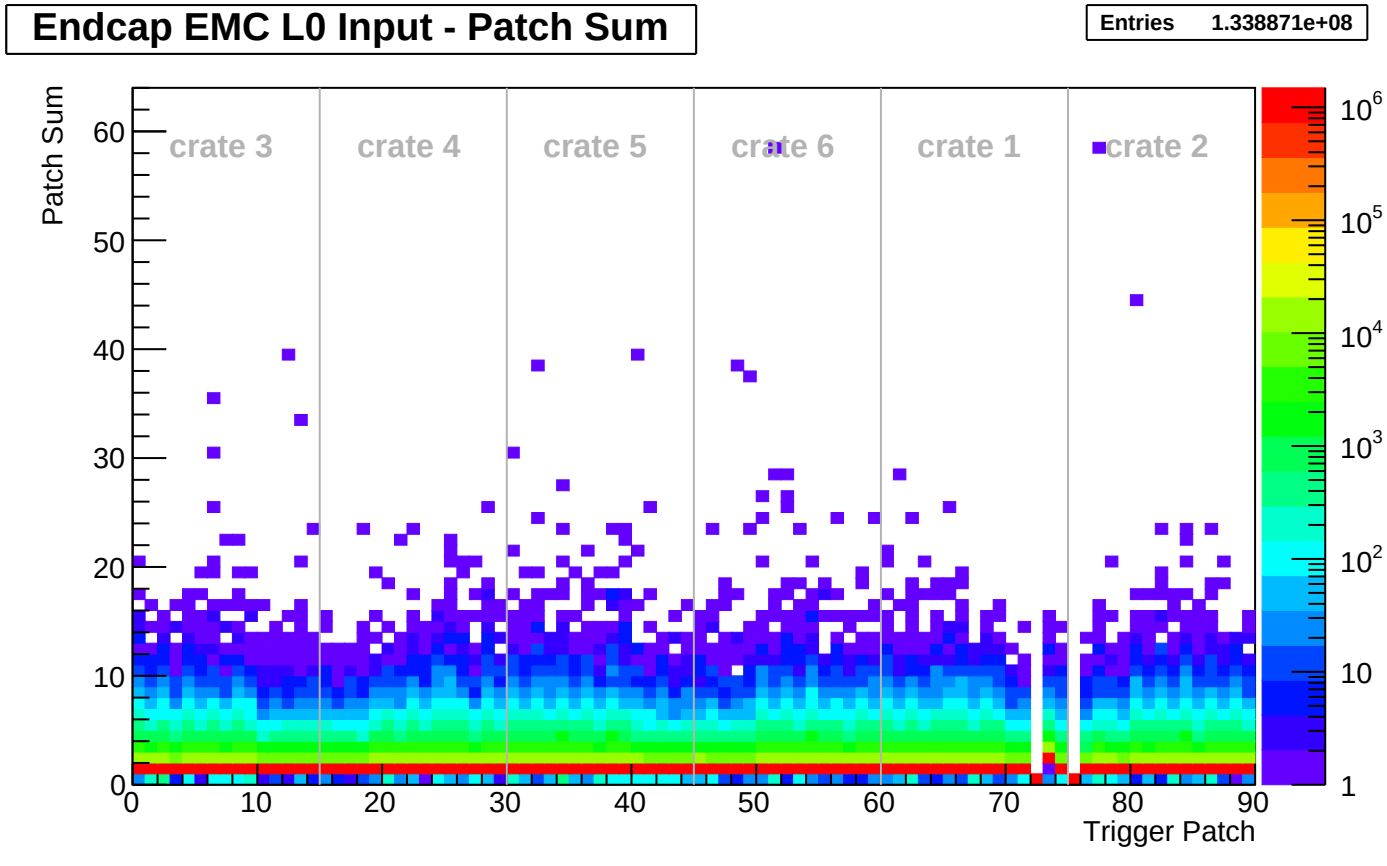
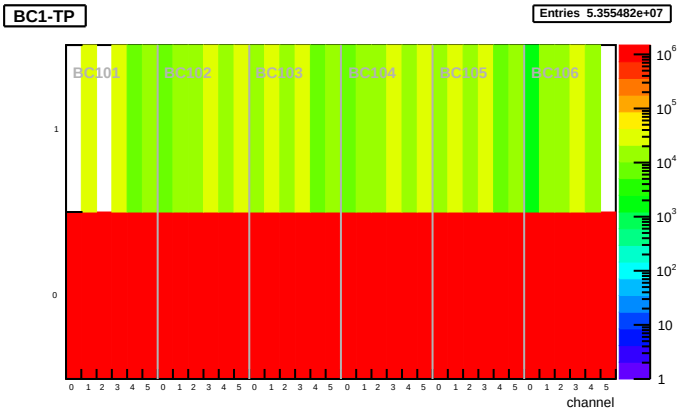
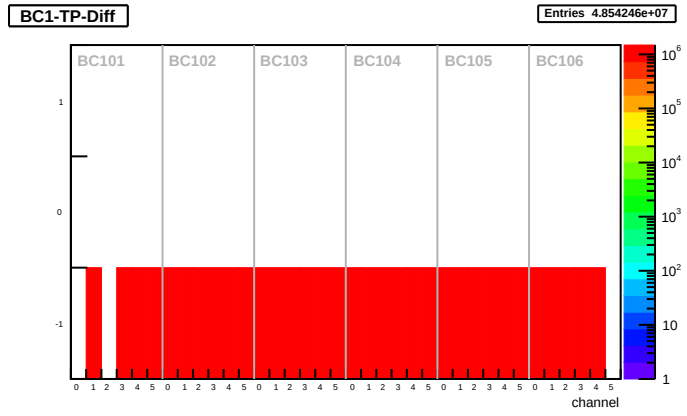

Barrel EMC L0 Input - High Tower
Entries 4.462902e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

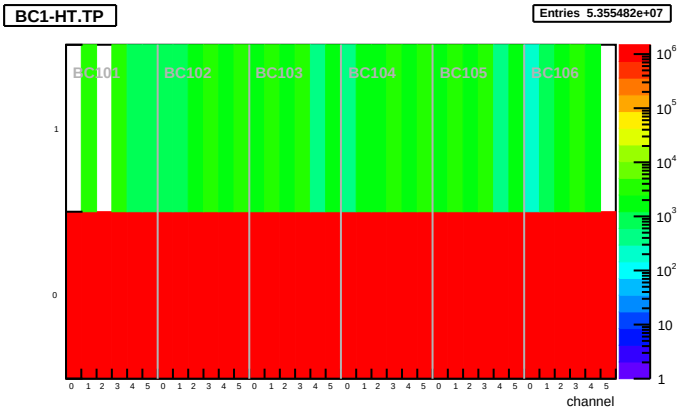

Barrel EMC L0 Input - Patch Sum
Entries 4.462902e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$
$10^6$

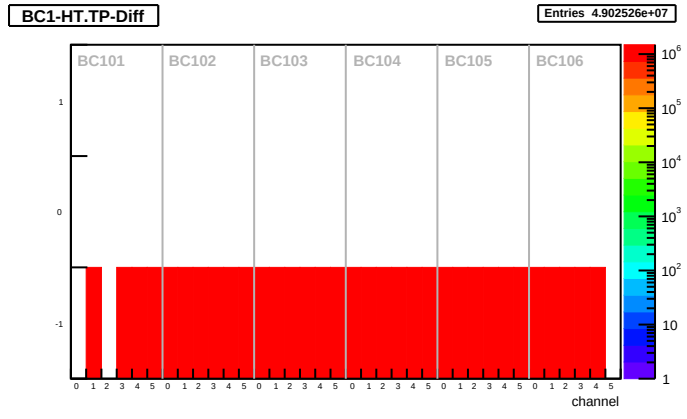

Endcap EMC L0 Input - High Tower
Entries 1.338871e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

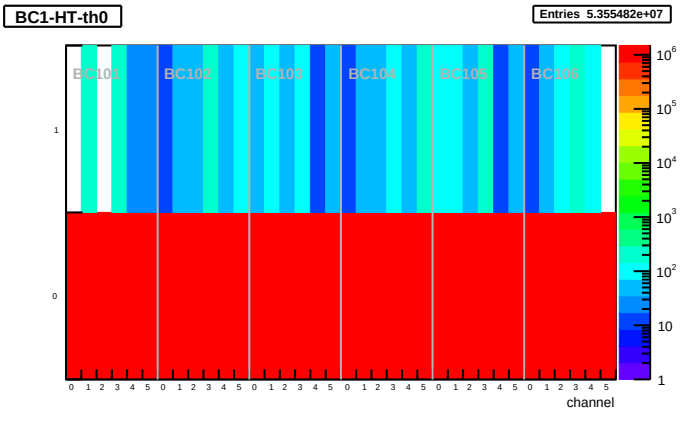

Endcap EMC L0 Input - Patch Sum
Entries 1.338871e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

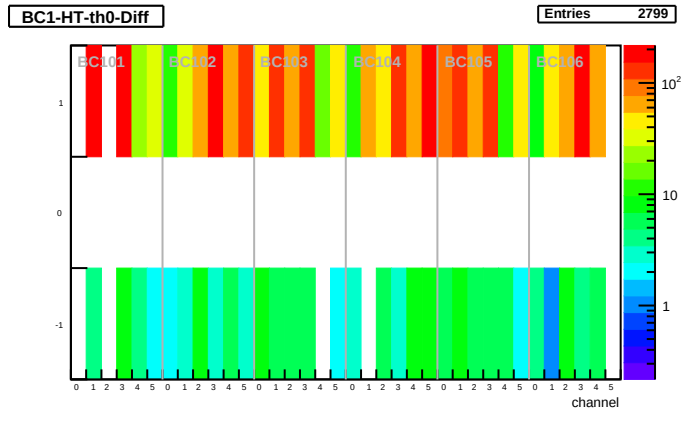

BC1-TP
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

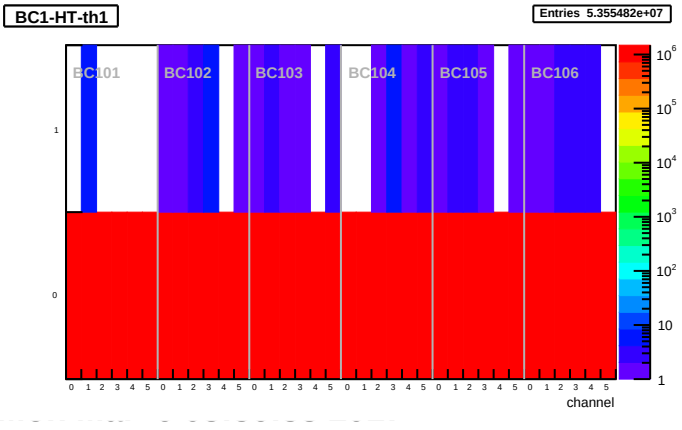

BC1-TP-Diff
Entries 4.854246e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

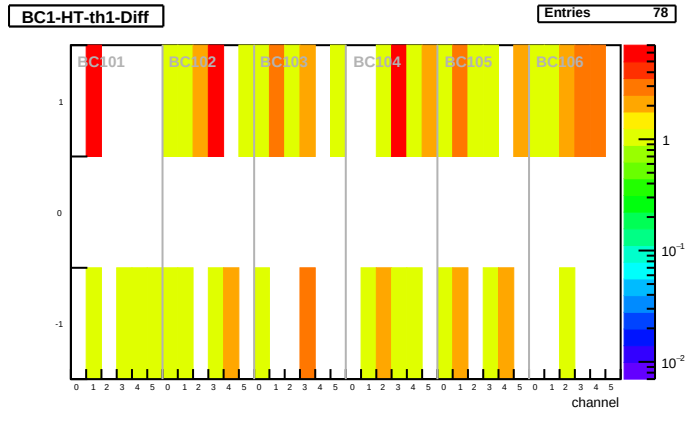

BC1-HT.TP
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

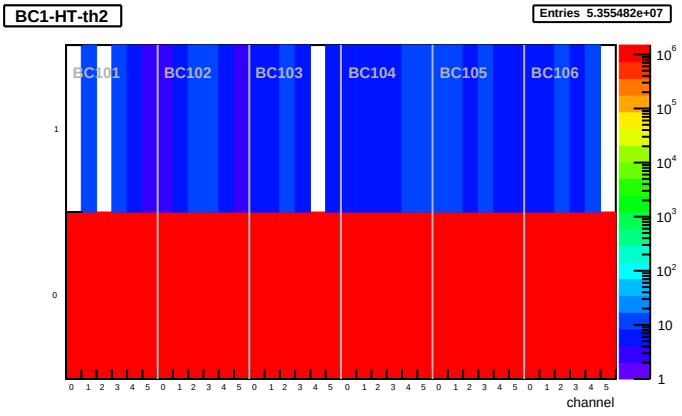

BC1-HT.TP-Diff
Entries 4.902526e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

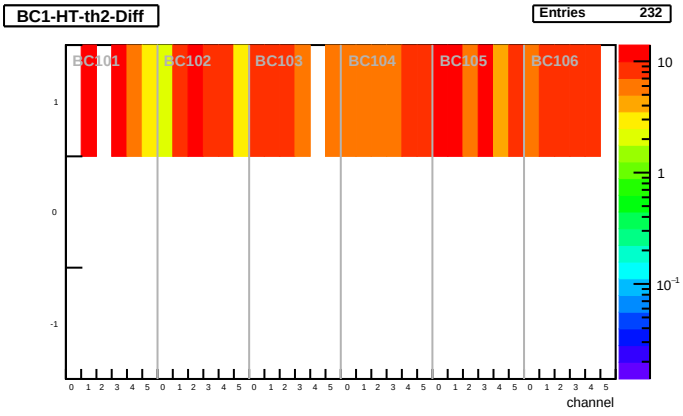

BC1-HT-th0
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

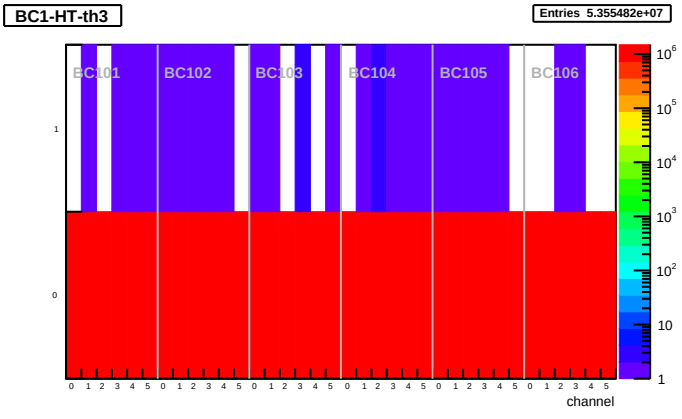

BC1-HT-th0-Diff
Entries 2799
BC101
BC102
BC103
BC104
BC105
BC106
channel

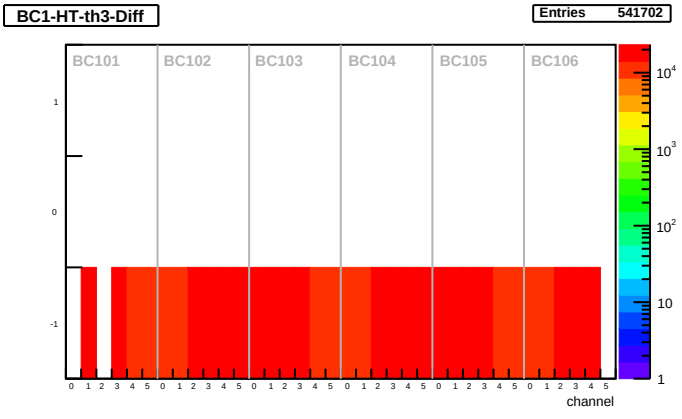

BC1-HT-th1
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

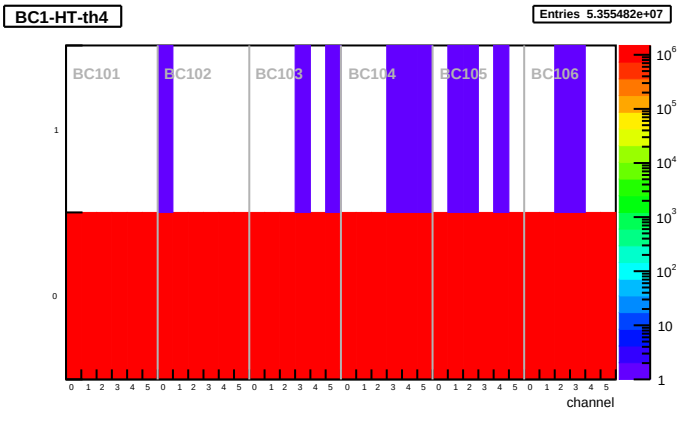

BC1-HT-th1-Diff
Entries 78
BC101
BC102
BC103
BC104
BC105
BC106
channel

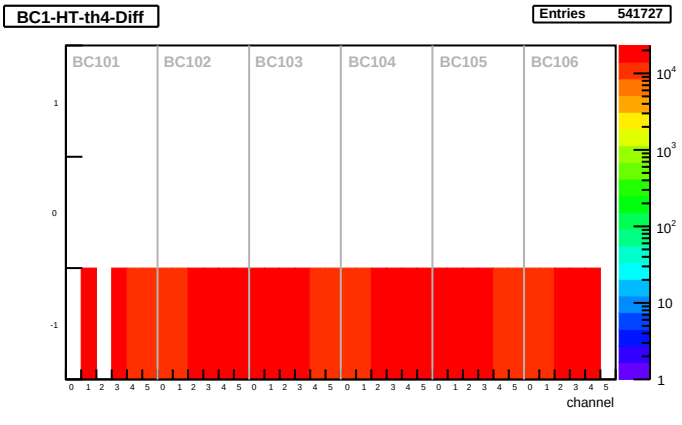

BC1-HT-th2
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

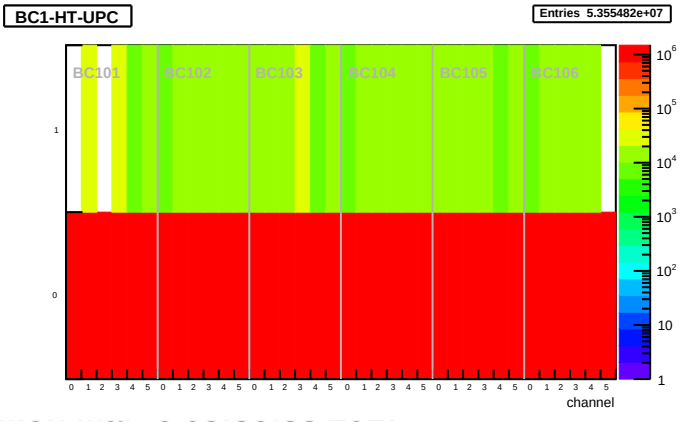

BC1-HT-th2-Diff
Entries 232
BC101
BC102
BC103
BC104
BC105
BC106
channel

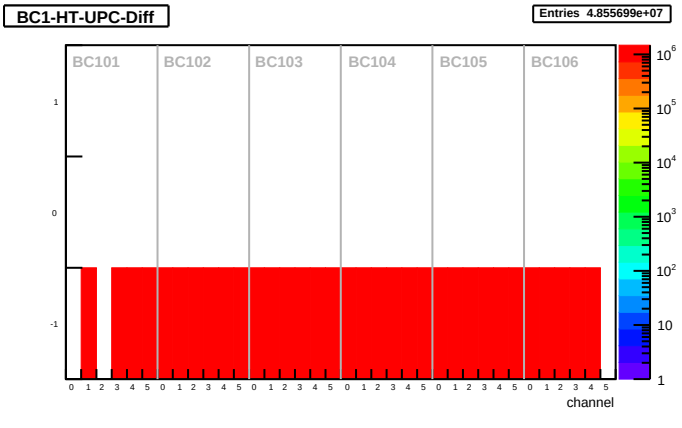

BC1-HT-th3
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

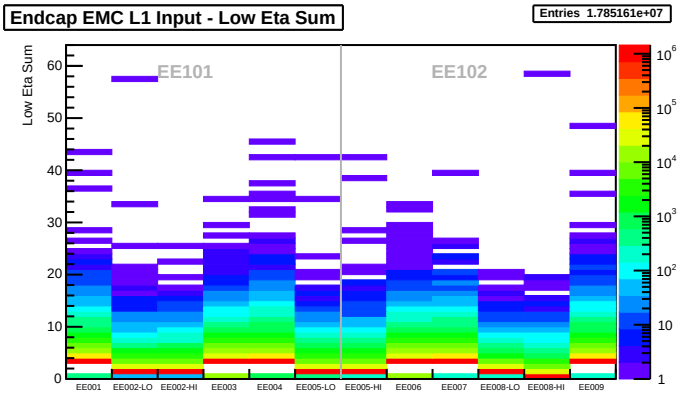

BC1-HT-th3-Diff
Entries 541702
BC101
BC102
BC103
BC104
BC105
BC106
channel

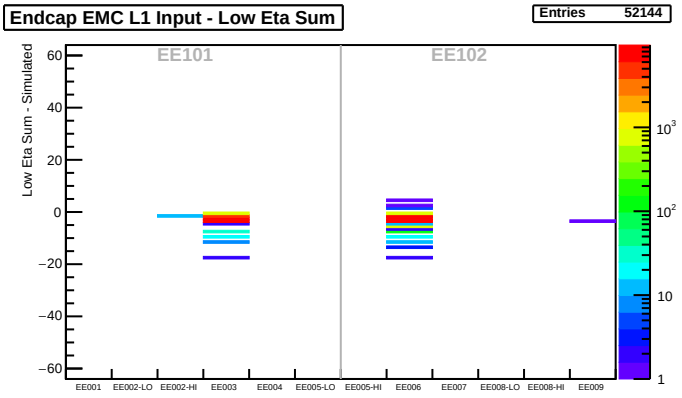

BC1-HT-th4
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

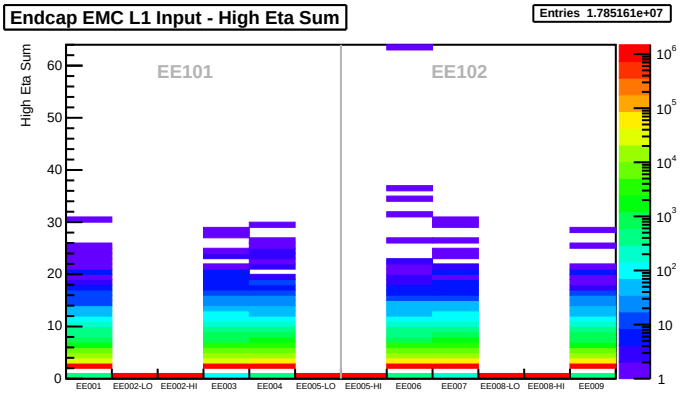

BC1-HT-th4-Diff
Entries 541727
BC101
BC102
BC103
BC104
BC105
BC106
channel

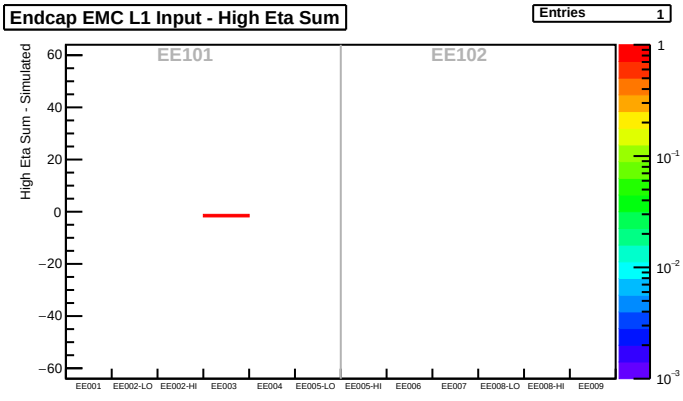

BC1-HT-UPC
Entries 5.355482e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

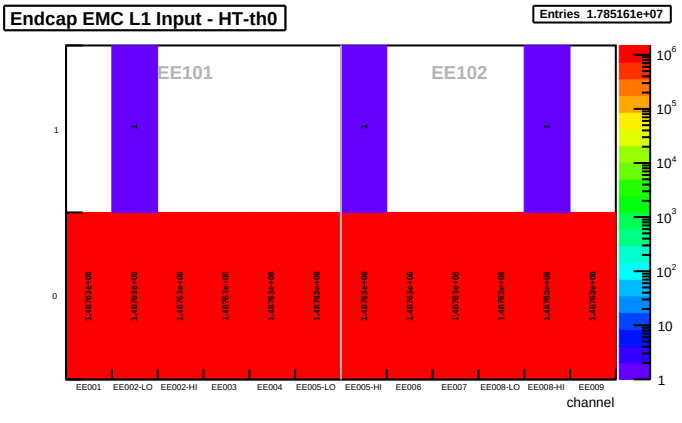

BC1-HT-UPC-Diff
Entries 4.855699e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

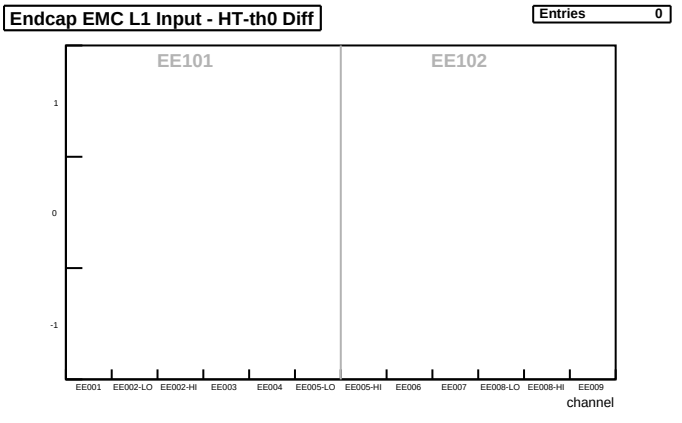

Endcap EMC L1 Input - Low Eta Sum
Entries 1.785161e+07
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

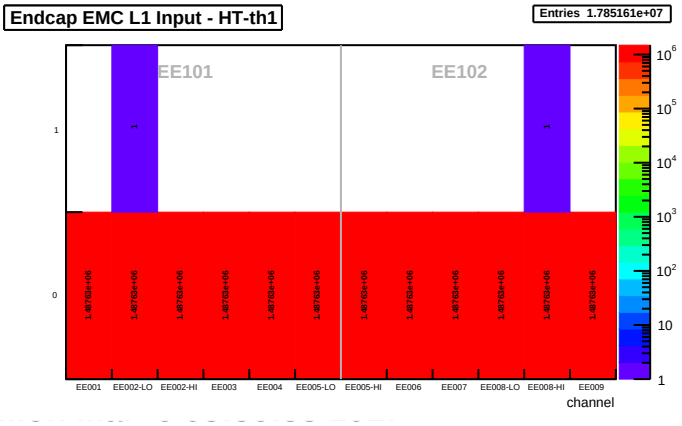

Endcap EMC L1 Input - Low Eta Sum
Entries 52144
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

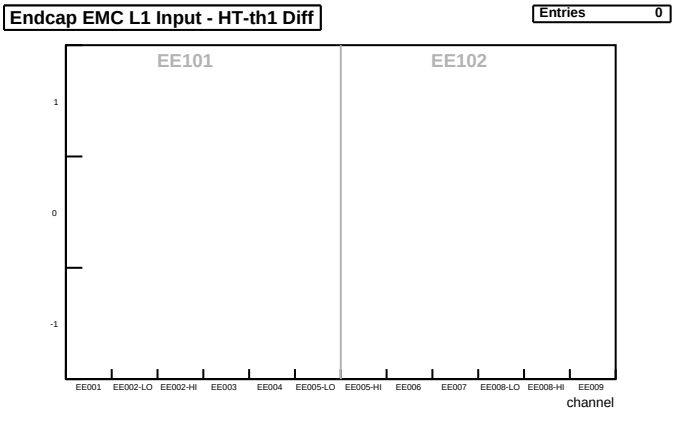

Endcap EMC L1 Input - High Eta Sum
Entries 1.785161e+07
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

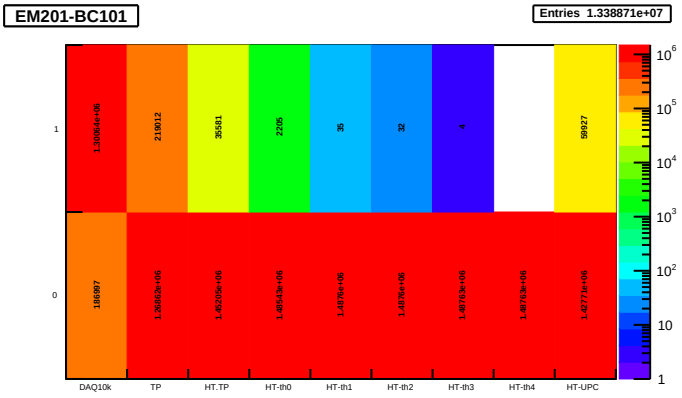

Endcap EMC L1 Input - High Eta Sum
Entries 1
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

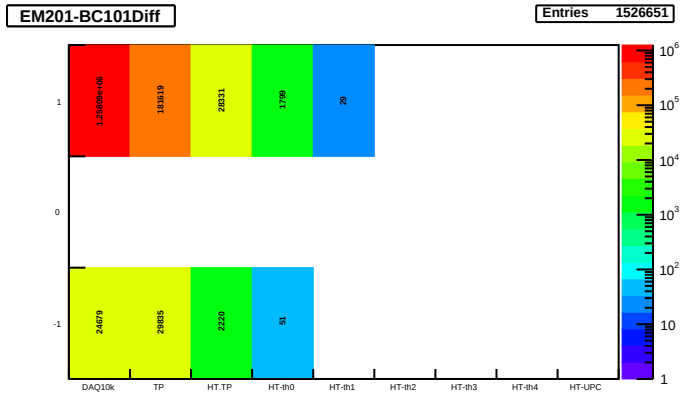

Endcap EMC L1 Input - HT-th0
Entries 1.785161e+07
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

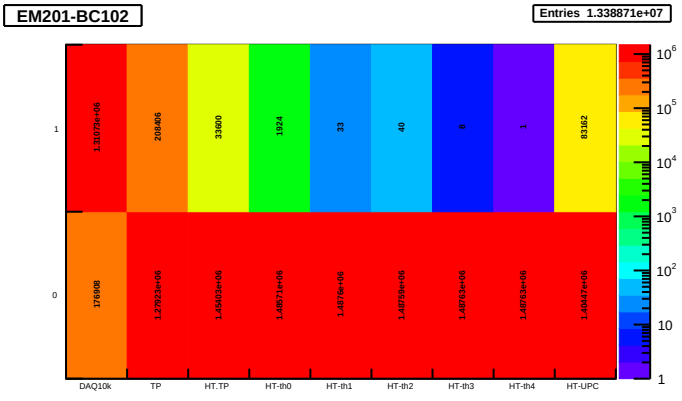

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

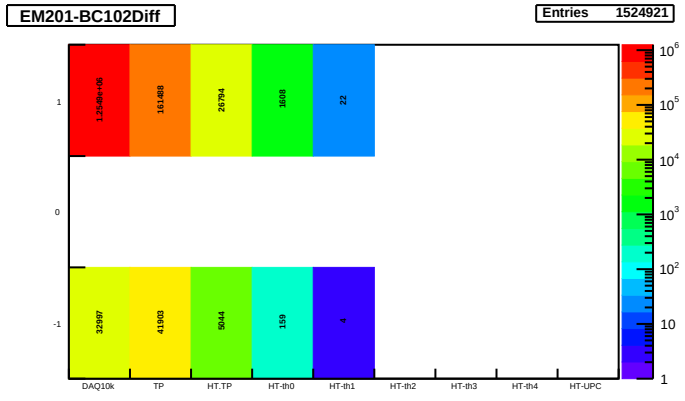

Endcap EMC L1 Input - HT-th1
Entries 1.785161e+07
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

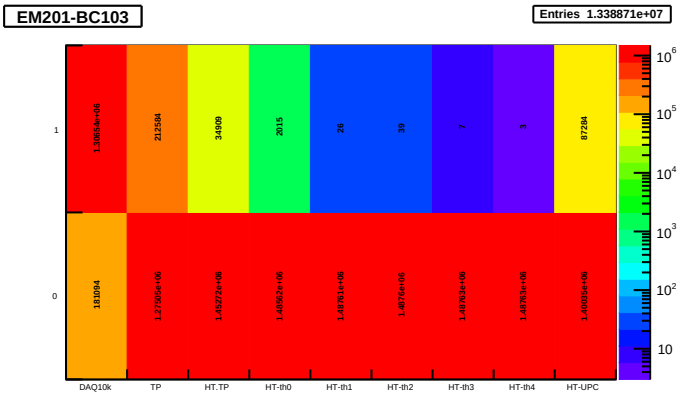

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

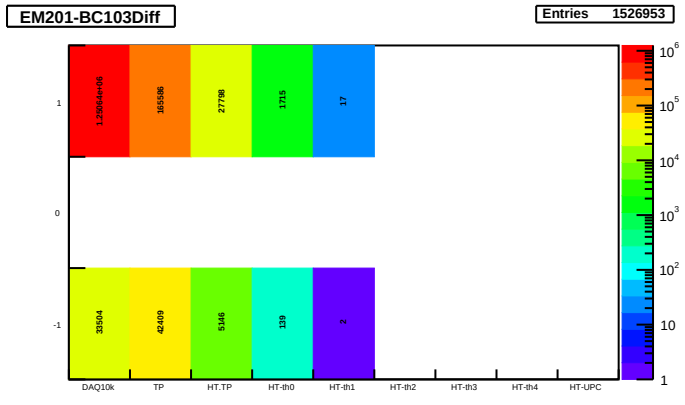

EM201-BC101
Entries 1.338871e+07
1 1.30564e+06 219012 35581 2205 35 32 4 59927
0 136997 1.35862e+06 1.45205e+06 1.46543e+06 1.46764e+06 1.46782e+06 1.46763e+06 1.46763e+06 1.42771e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC

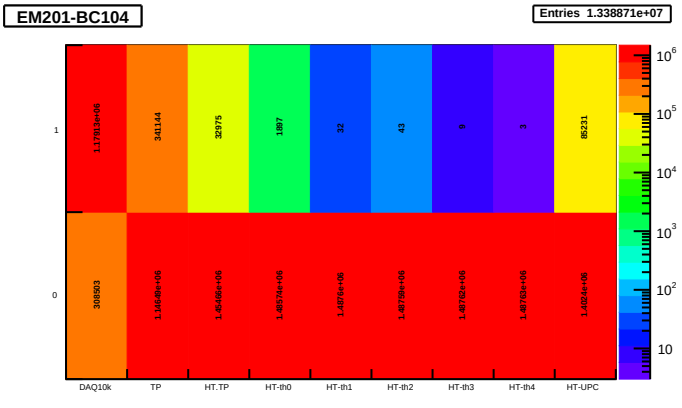

EM201-BC101Diff
Entries 1526651
1 1.25809e+06 181519 28231 1799 29
0
-1 24679 29835 2220 51
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC

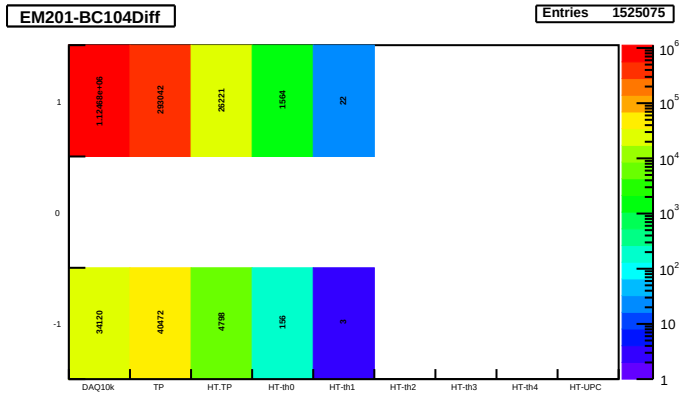

EM201-BC102
Entries 1.338871e+07
1 1.31073e+06 209406 33900 1924 33 40 8 1 83162
0 176908 1.27923e+06 1.45003e+06 1.48571e+06 1.48764e+06 1.48759e+06 1.48763e+06 1.48763e+06 1.40847e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC


EM201-BC102Diff
Entries 1524921
1 1.2548e+06 161488 26794 1608 22
0
-1 32997 41903 9044 159 4
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC

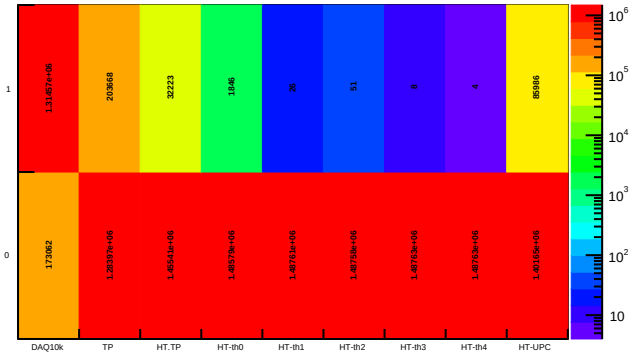

EM201-BC103
Entries 1.338871e+07
1 1.30654e+06 212584 34909 2015 26 39 7 3 87284
0 181094 1.27955e+06 1.45272e+06 1.48582e+06 1.48761e+06 1.48764e+06 1.48763e+06 1.48763e+06 1.40035e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC


EM201-BC103Diff
Entries 1526953
1 1.25064e+06 165538 27798 1715 17
0
-1 33504 42409 5146 139 2
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC

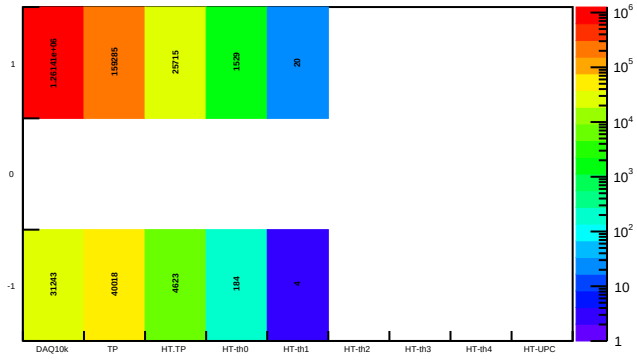

EM201-BC104
Entries 1.338871e+07
1 1.17813e+06 341144 32975 1387 32 43 9 3 85231
0 308503 1.14548e+06 1.45466e+06 1.48374e+06 1.48764e+06 1.48789e+06 1.48762e+06 1.48763e+06 1.4024e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC


EM201-BC104Diff
Entries 1525075
1 1.12488e+06 292042 26221 1564 22
0
-1 34120 40472 4798 156 3
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC

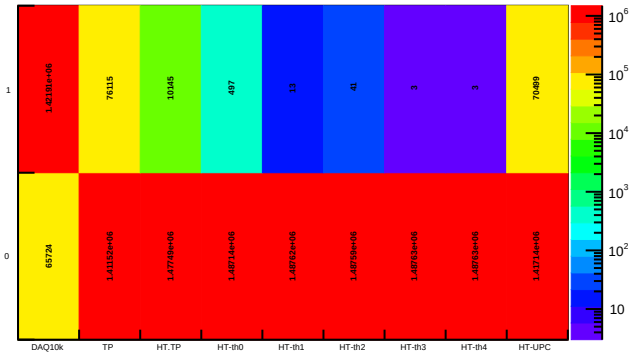
**EM201-BC105** Entries 1.338871e+07



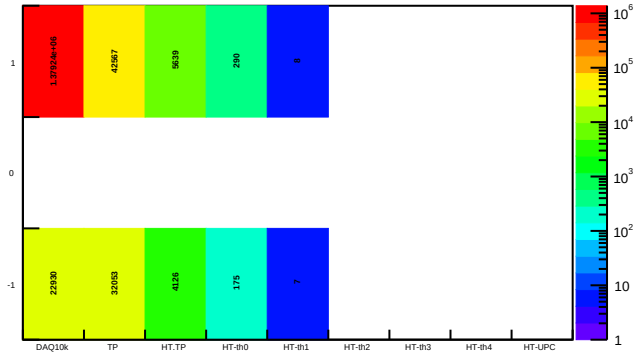

**EM201-BC105Diff** Entries 1524035



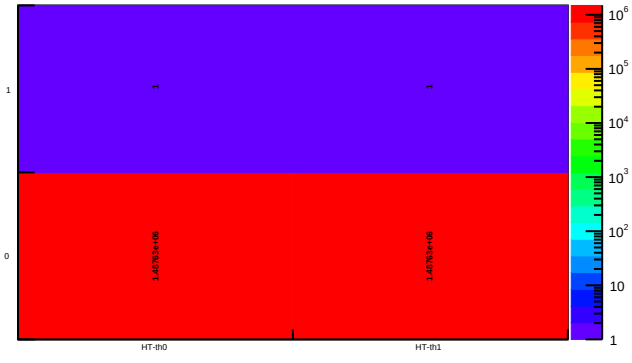

**EM201-BC106** Entries 1.338871e+07



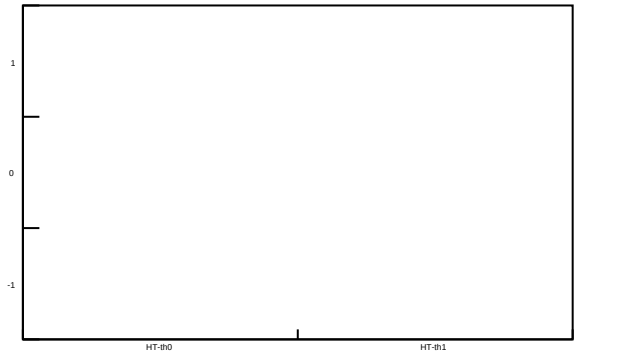

**EM201-BC106Diff** Entries 1487034



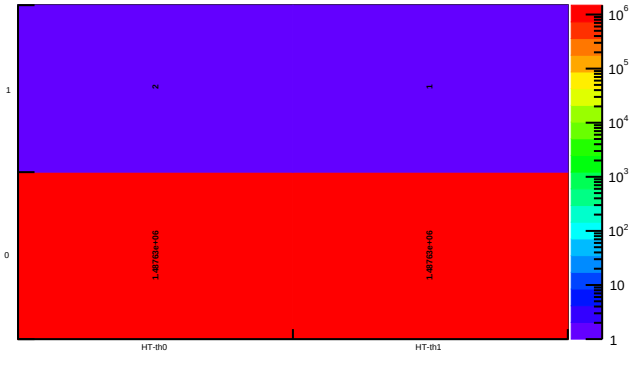

**EM201-EE101** Entries 2975268



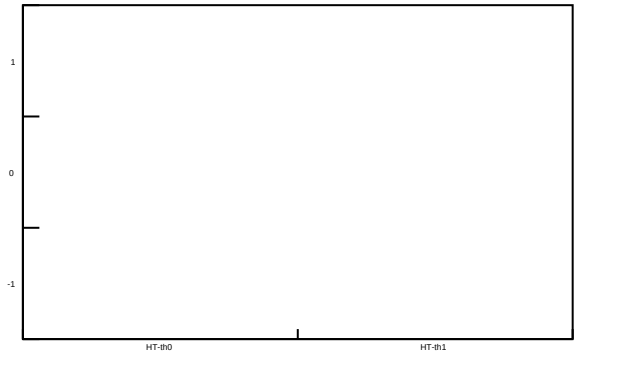

**EM201-EE101Diff** Entries 0

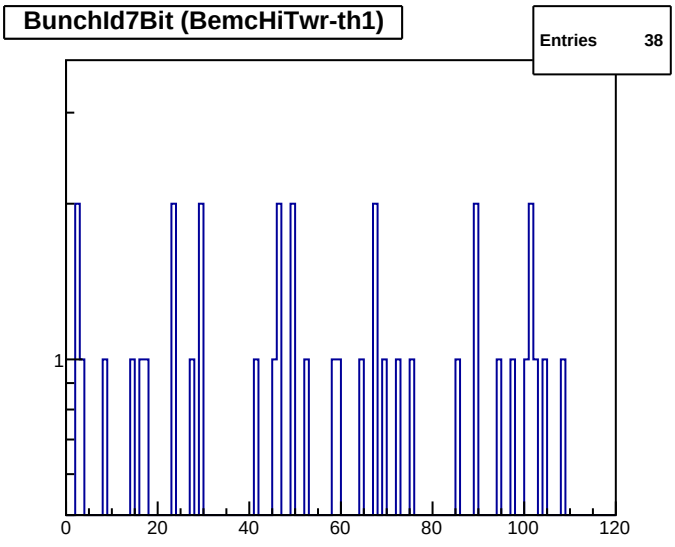


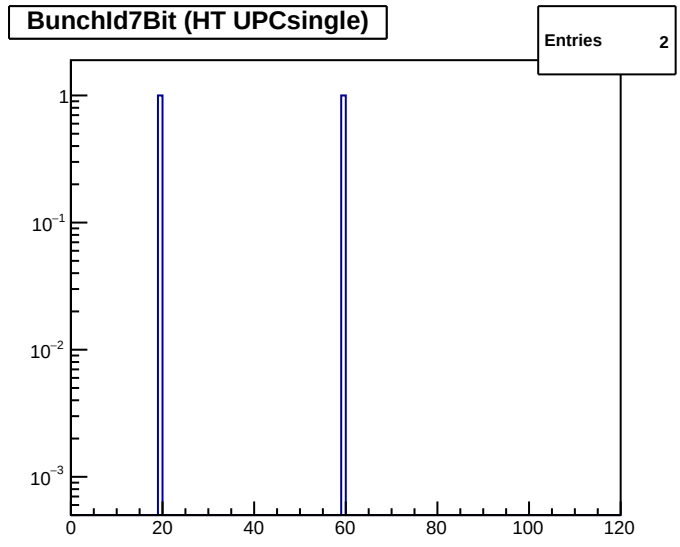

**EM201-EE102** Entries 2975268

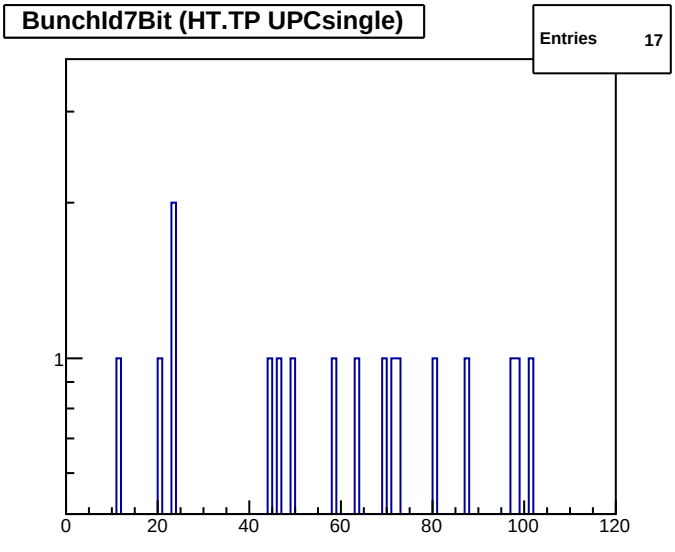


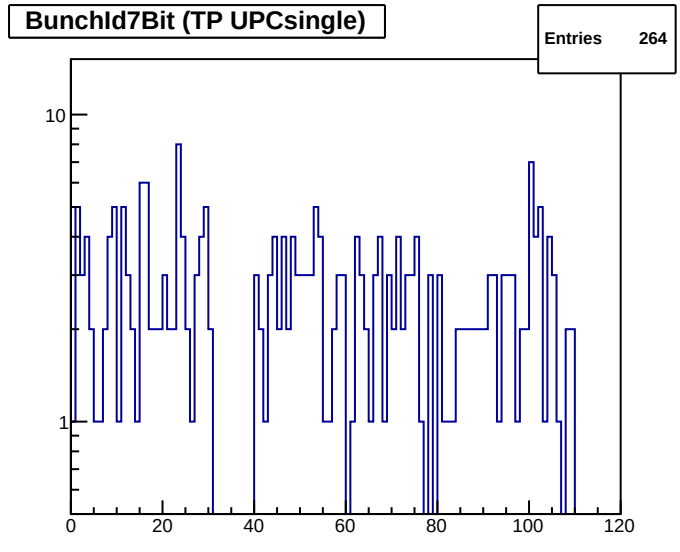

**EM201-EE102Diff** Entries 0

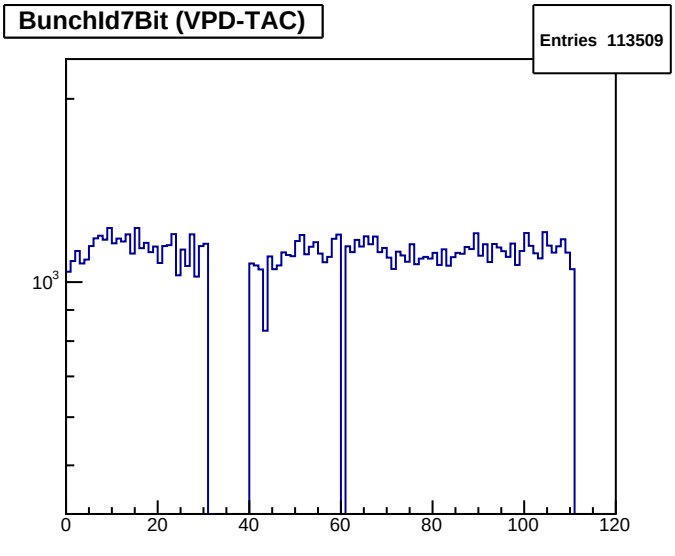


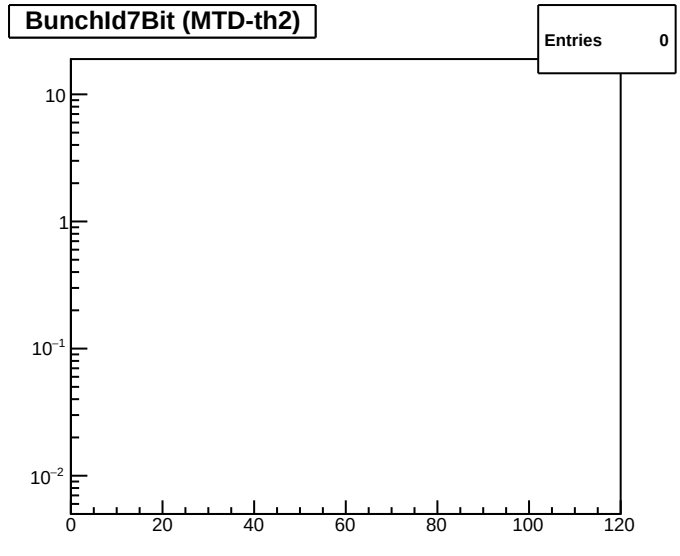

BunchId7Bit (BemcHiTwr-th1)
Entries 38
1
0 20 40 60 80 100 120

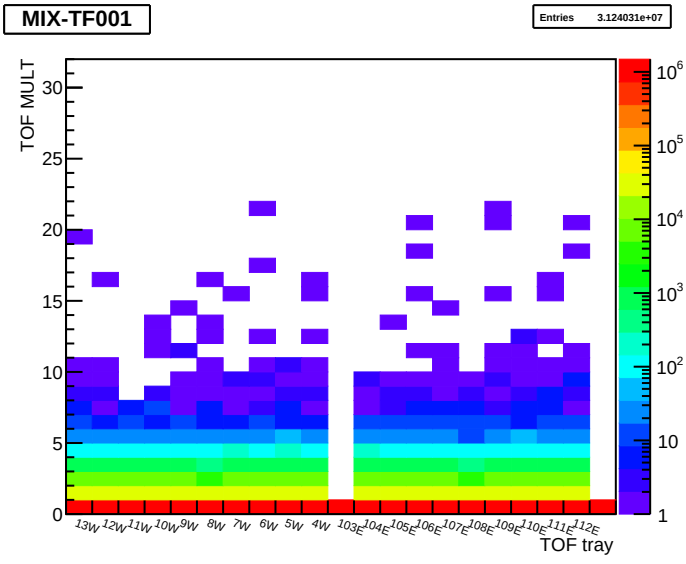

BunchId7Bit (HT UPCsingle)
Entries 2
1
$10^{-1}$
$10^{-2}$
$10^{-3}$
0 20 40 60 80 100 120

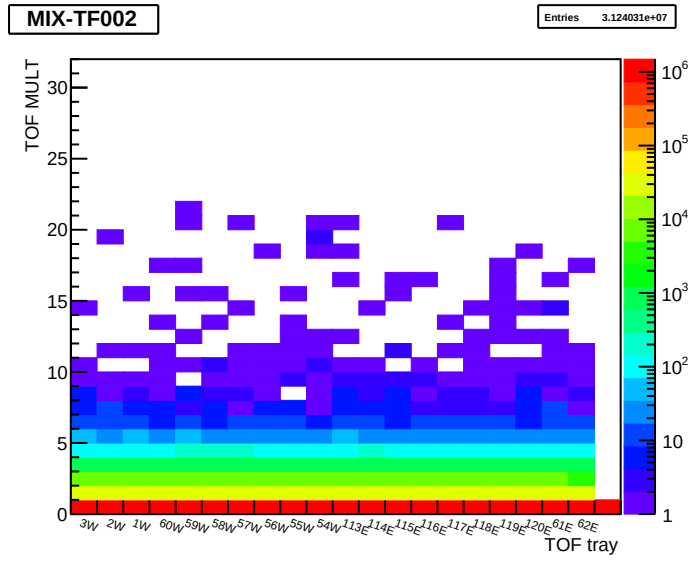

BunchId7Bit (HT.TP UPCsingle)
Entries 17
1
0 20 40 60 80 100 120

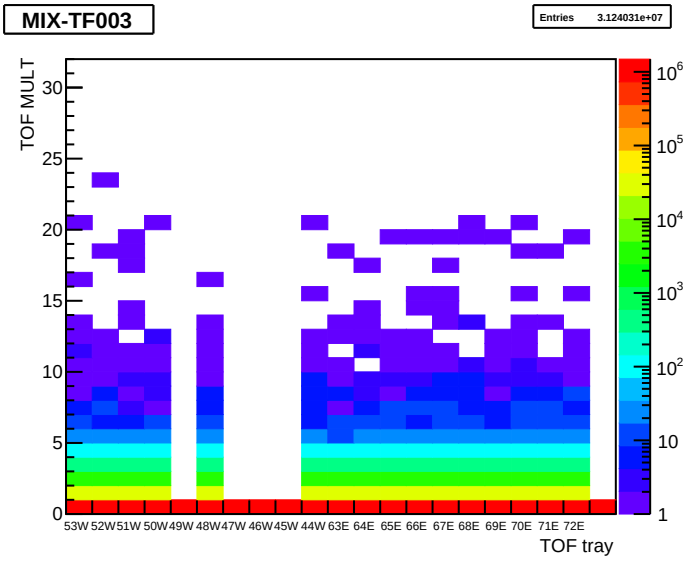

BunchId7Bit (TP UPCsingle)
Entries 264
10
1
0 20 40 60 80 100 120

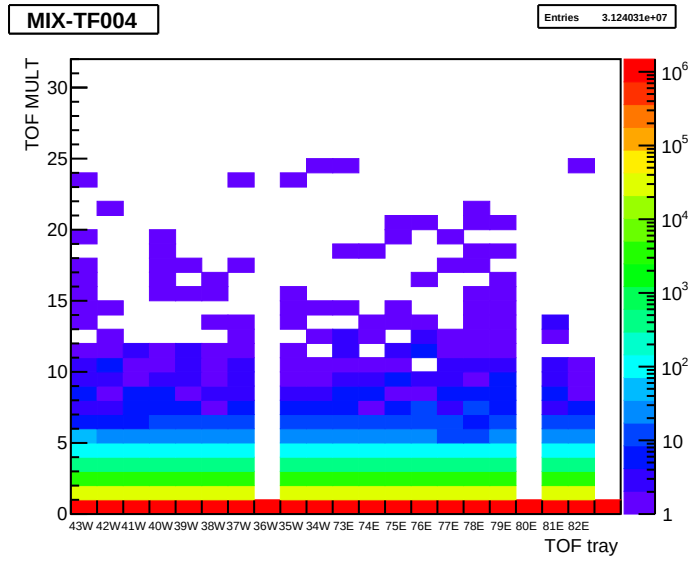

BunchId7Bit (VPD-TAC)
Entries 113509
$10^{3}$
0 20 40 60 80 100 120

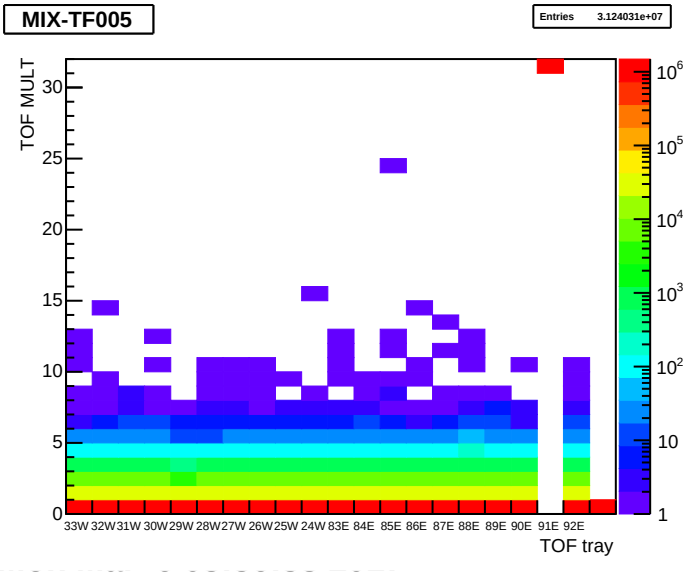

BunchId7Bit (MTD-th2)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

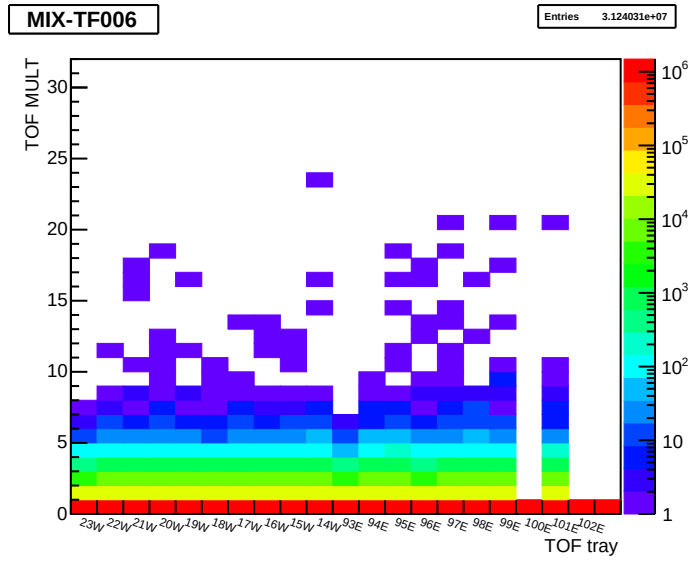

MIX-TF001
Entries 3.124031e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

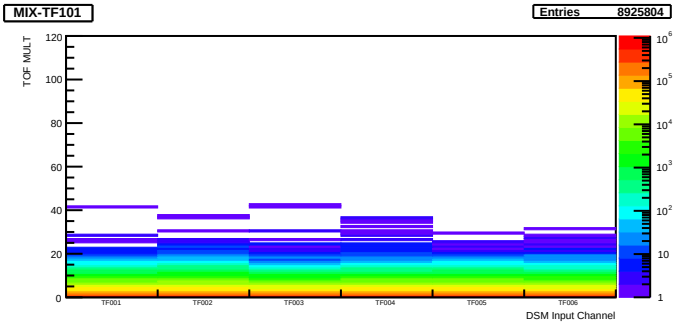

MIX-TF002
Entries 3.124031e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

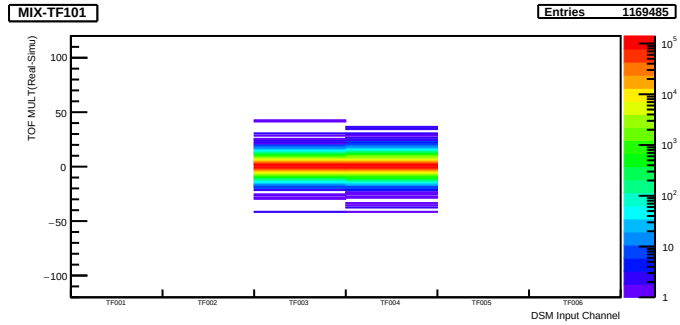

MIX-TF003
Entries 3.124031e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

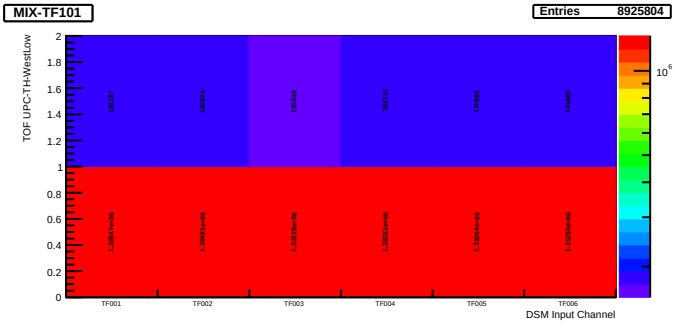

MIX-TF004
Entries 3.124031e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

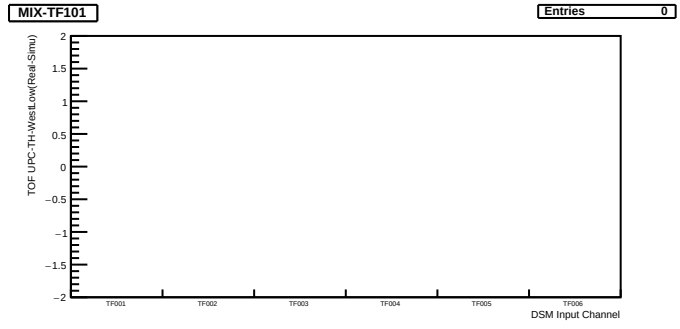

MIX-TF005
Entries 3.124031e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

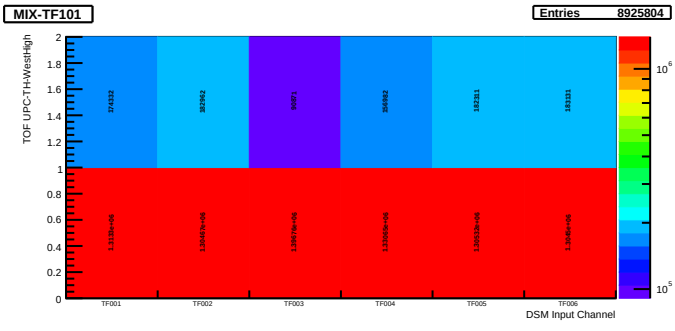

MIX-TF006
Entries 3.124031e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

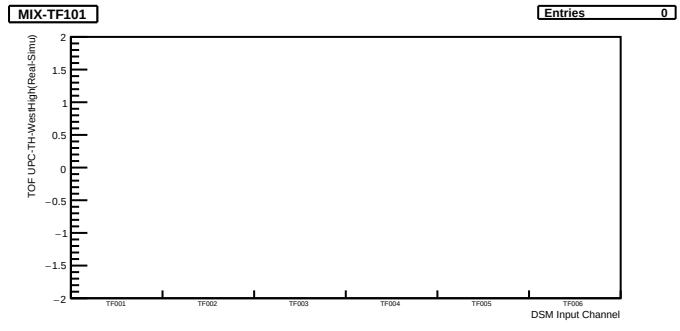

MIX-TF101
Entries 8925804
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

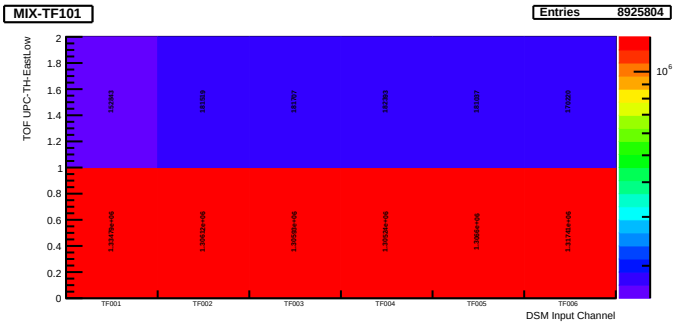

MIX-TF101
Entries 1169485
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

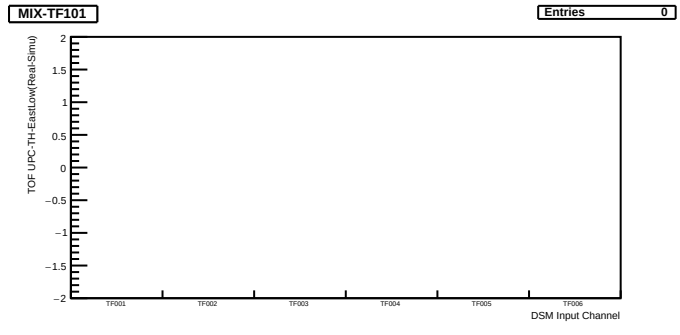

MIX-TF101
Entries 8925804
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

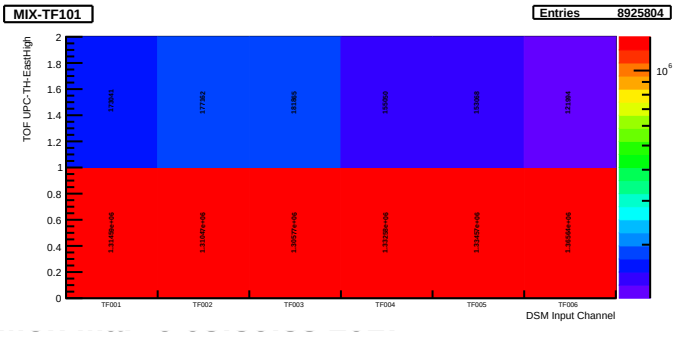

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

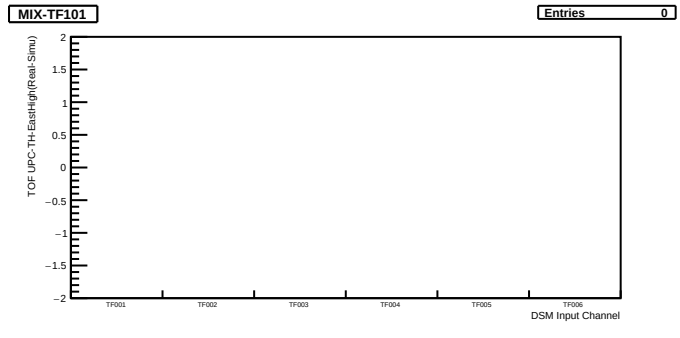

MIX-TF101
Entries 8925804
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

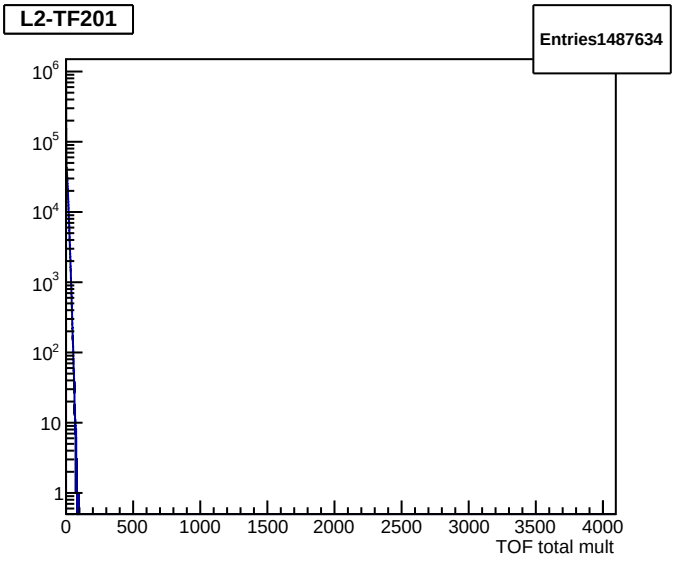

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

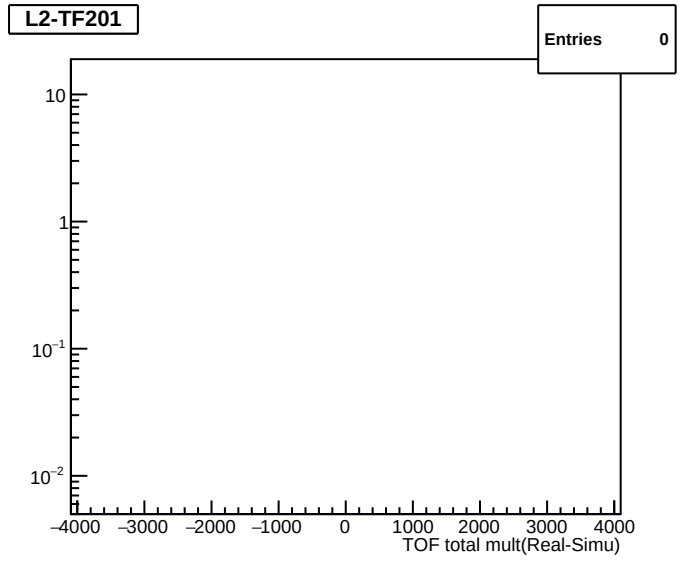

MIX-TF101
Entries 8925804
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

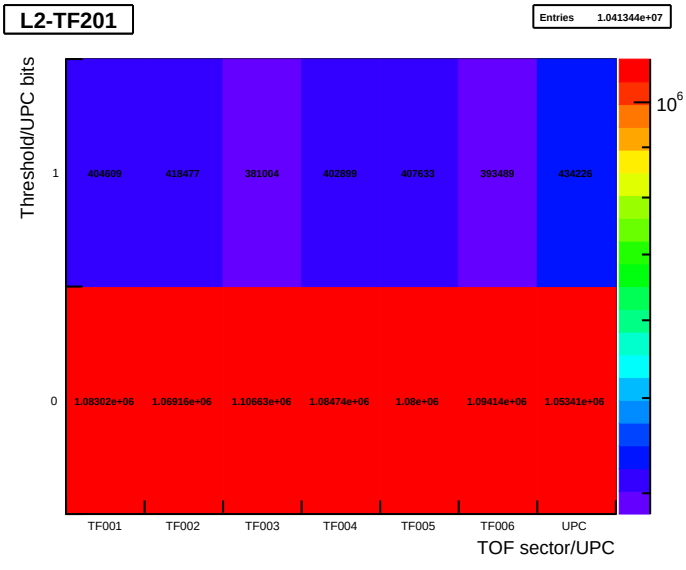

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

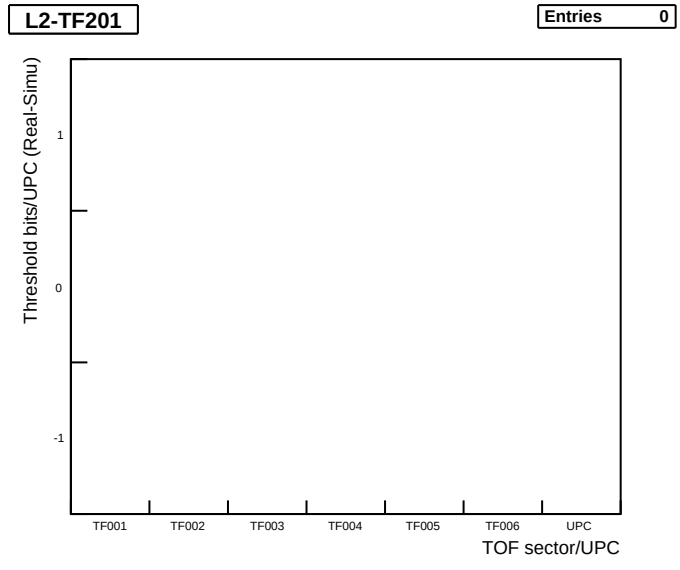

MIX-TF101
Entries 8925804
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

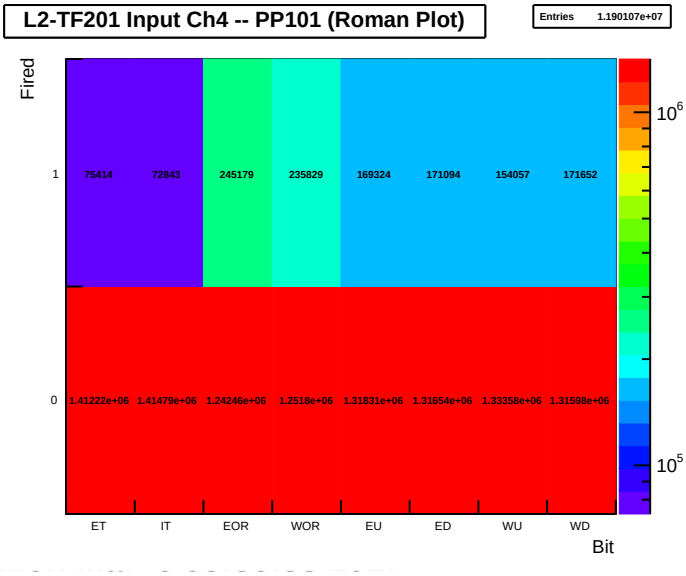

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

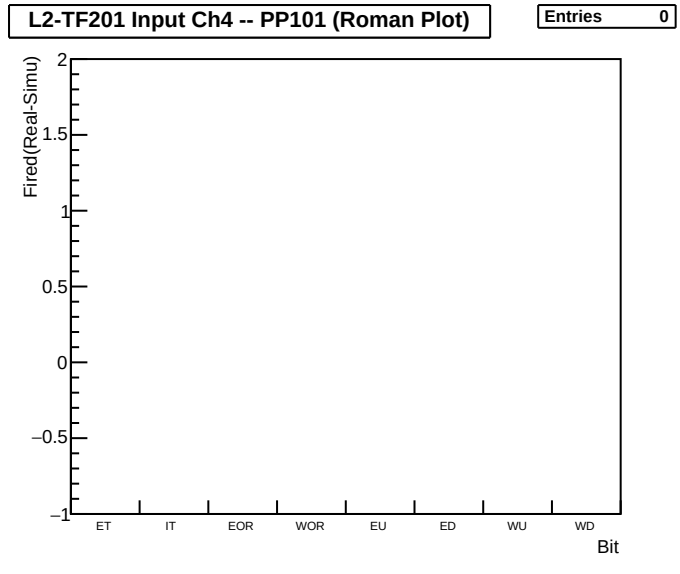

L2-TF201
Entries1487634
TOF total mult

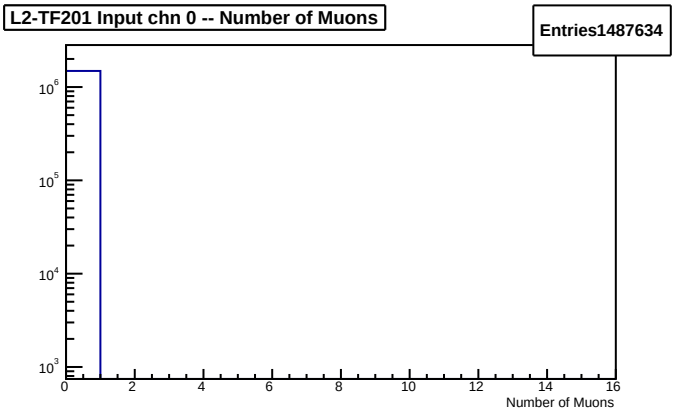

L2-TF201
Entries 0
TOF total mult(Real-Simu)

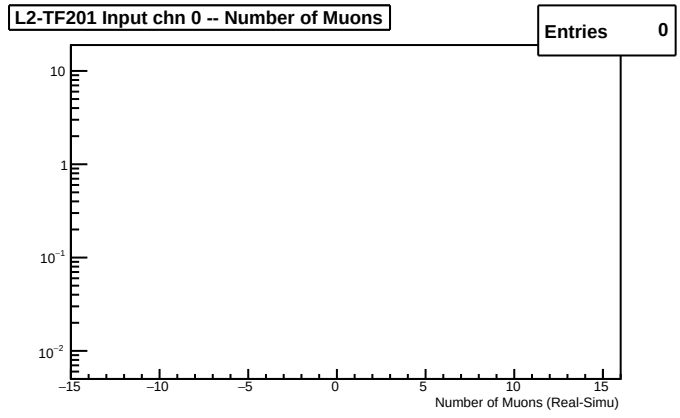

L2-TF201
Entries 1.041344e+07
Threshold/UPC bits
404609
418477
381004
402899
407633
393489
434226
1.08302e+06
1.06916e+06
1.10663e+06
1.08474e+06
1.08e+06
1.09414e+06
1.05341e+06
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

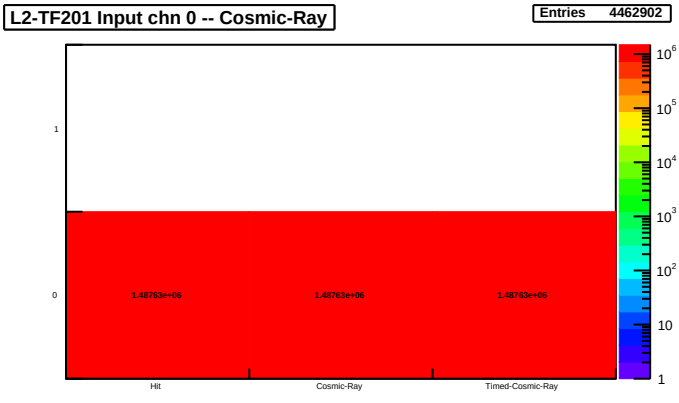

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

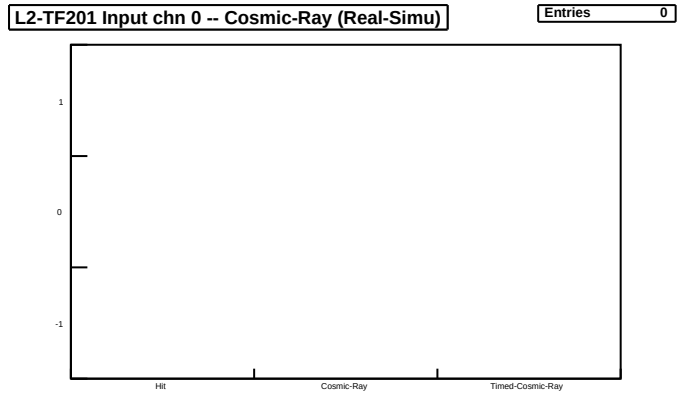

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 1.190107e+07
Fired
75414
72843
245179
235829
169324
171094
154057
171652
1.41222e+06
1.41479e+06
1.24246e+06
1.2518e+06
1.31831e+06
1.31654e+06
1.33358e+06
1.31598e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

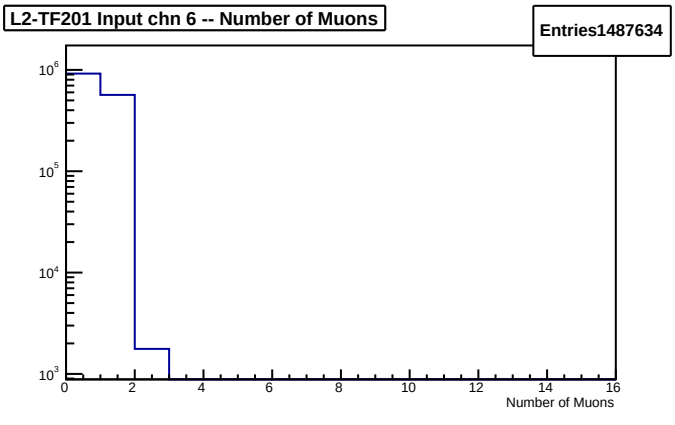

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

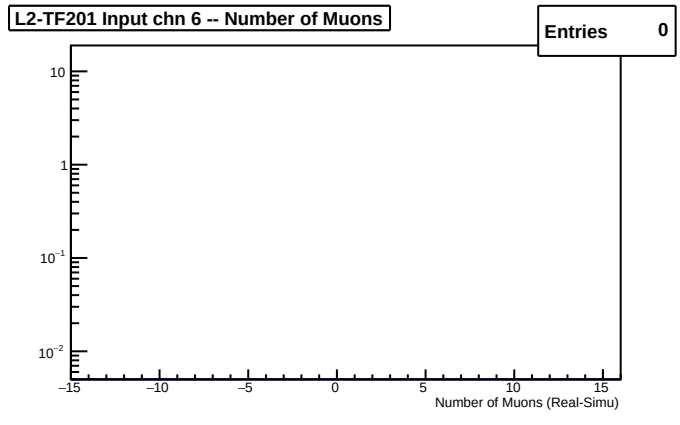

L2-TF201 Input chn 0 -- Number of Muons
Entries1487634
Number of Muons

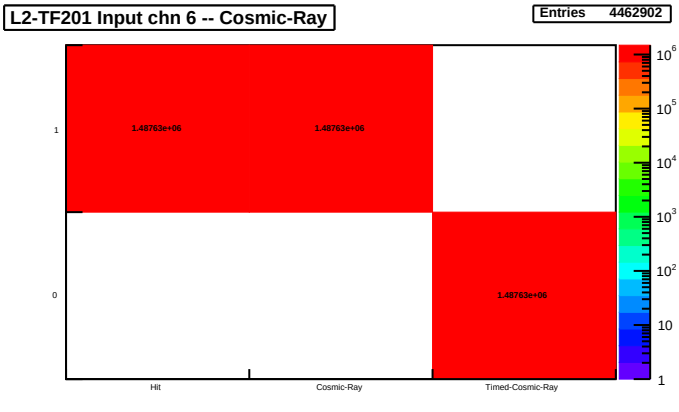

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

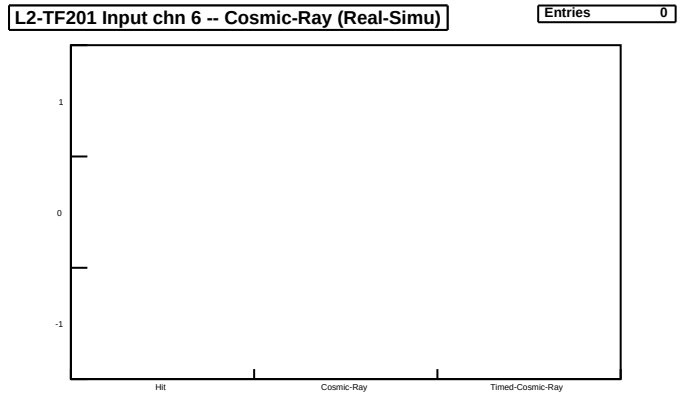

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 4462902
1.48763e+06
1.48763e+06
1.48763e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

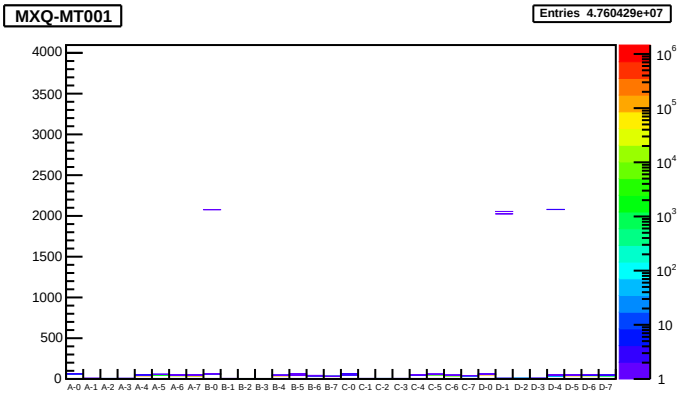

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

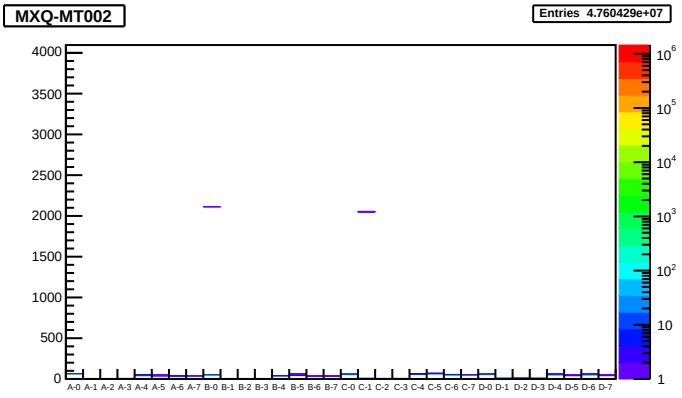

L2-TF201 Input chn 6 -- Number of Muons
Entries1487634
Number of Muons

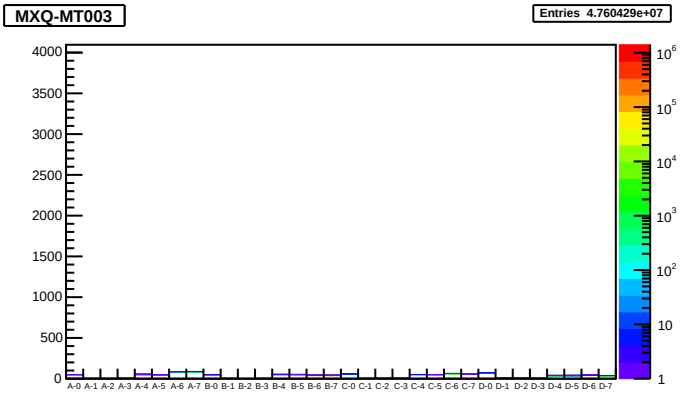

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

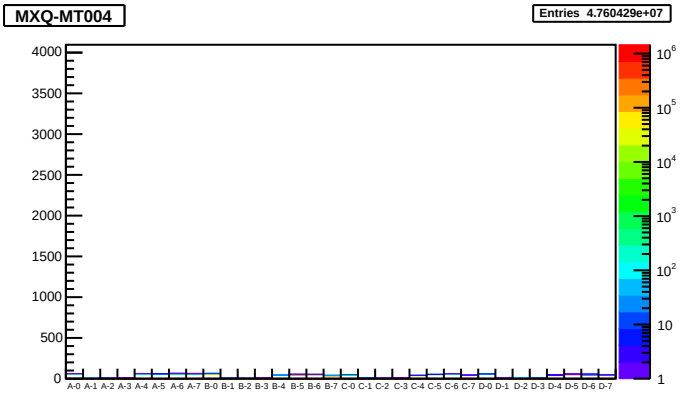

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 4462902
1.48763e+06
1.48763e+06
1.48763e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

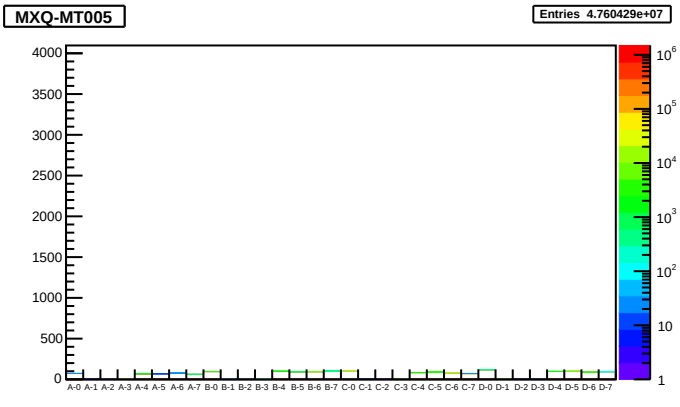

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

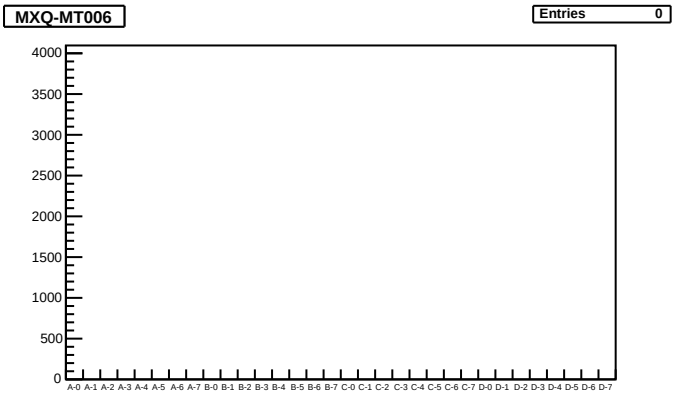

MXQ-MT001
Entries 4.760429e+07

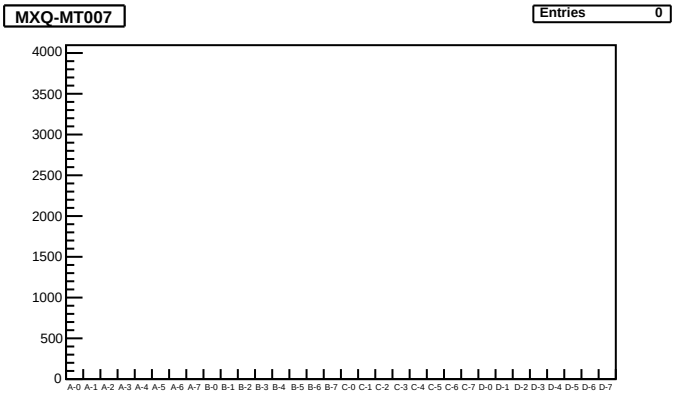

MXQ-MT002
Entries 4.760429e+07

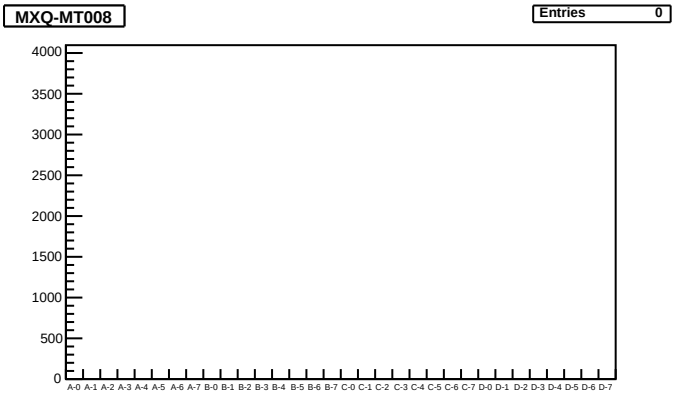

MXQ-MT003
Entries 4.760429e+07

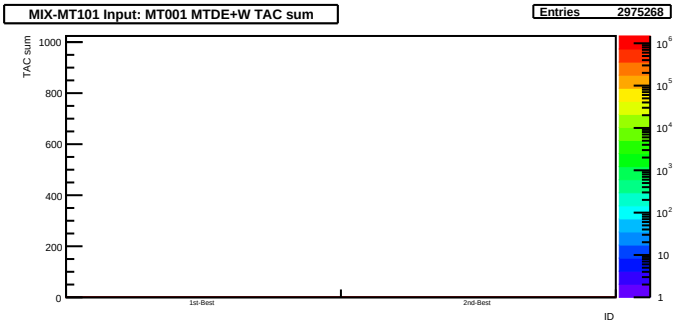

MXQ-MT004
Entries 4.760429e+07

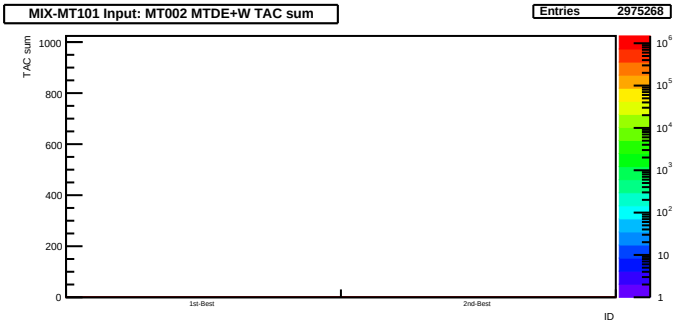

MXQ-MT005
Entries 4.760429e+07

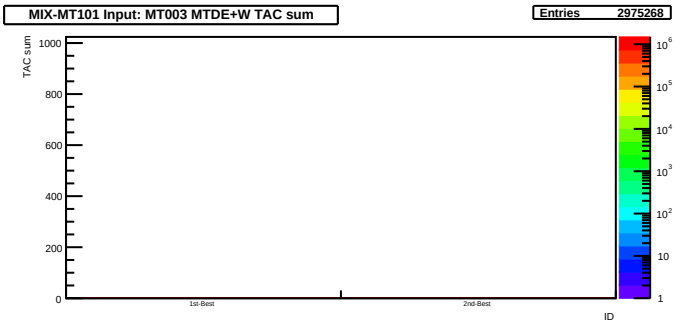

MXQ-MT006
Entries 0

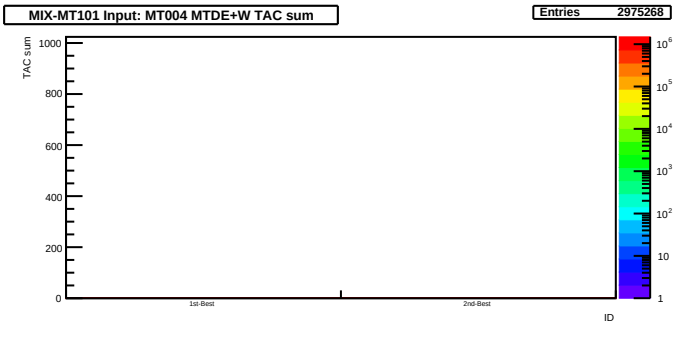

MXQ-MT007
Entries 0

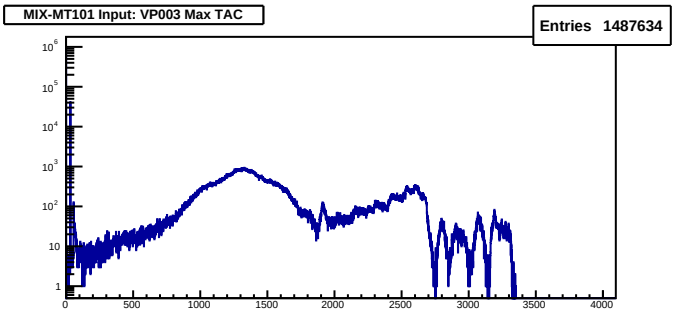

MXQ-MT008
Entries 0

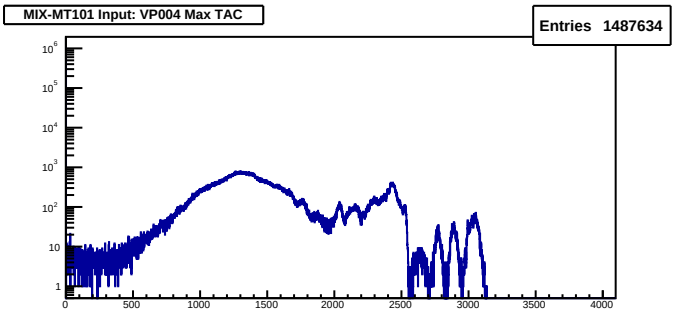

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

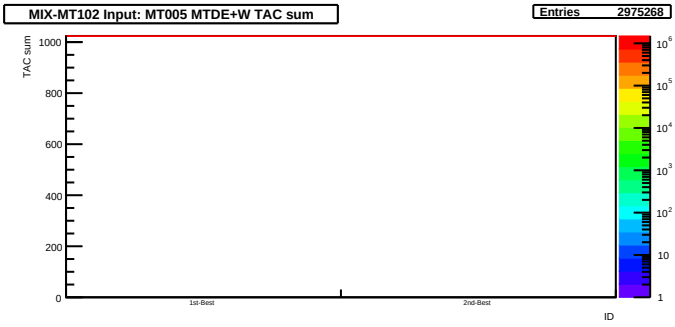

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

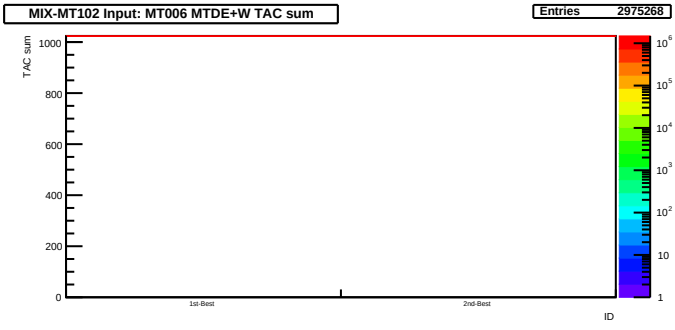

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

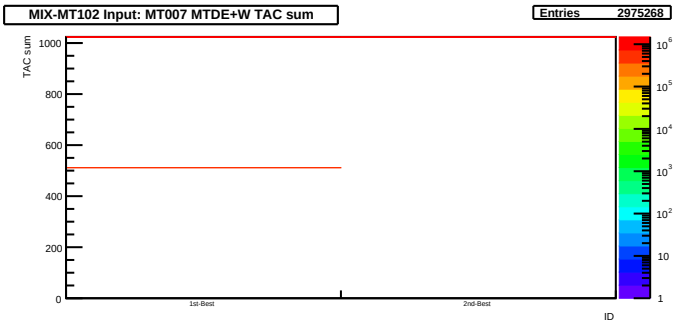

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

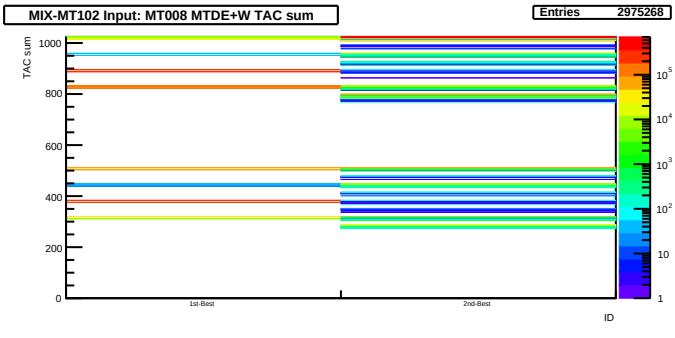

MIX-MT101 Input: VP003 Max TAC
Entries 1487634

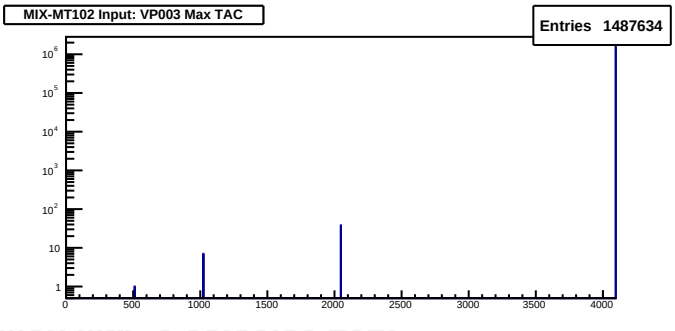

MIX-MT101 Input: VP004 Max TAC
Entries 1487634

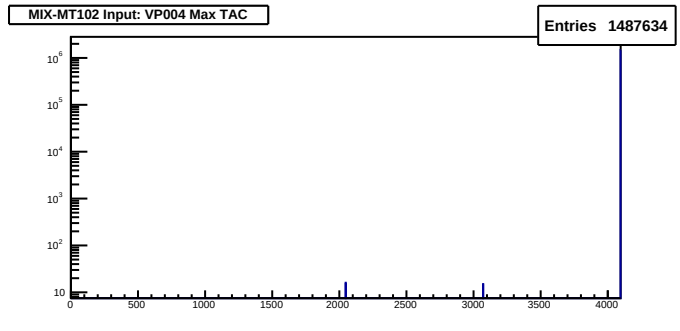

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

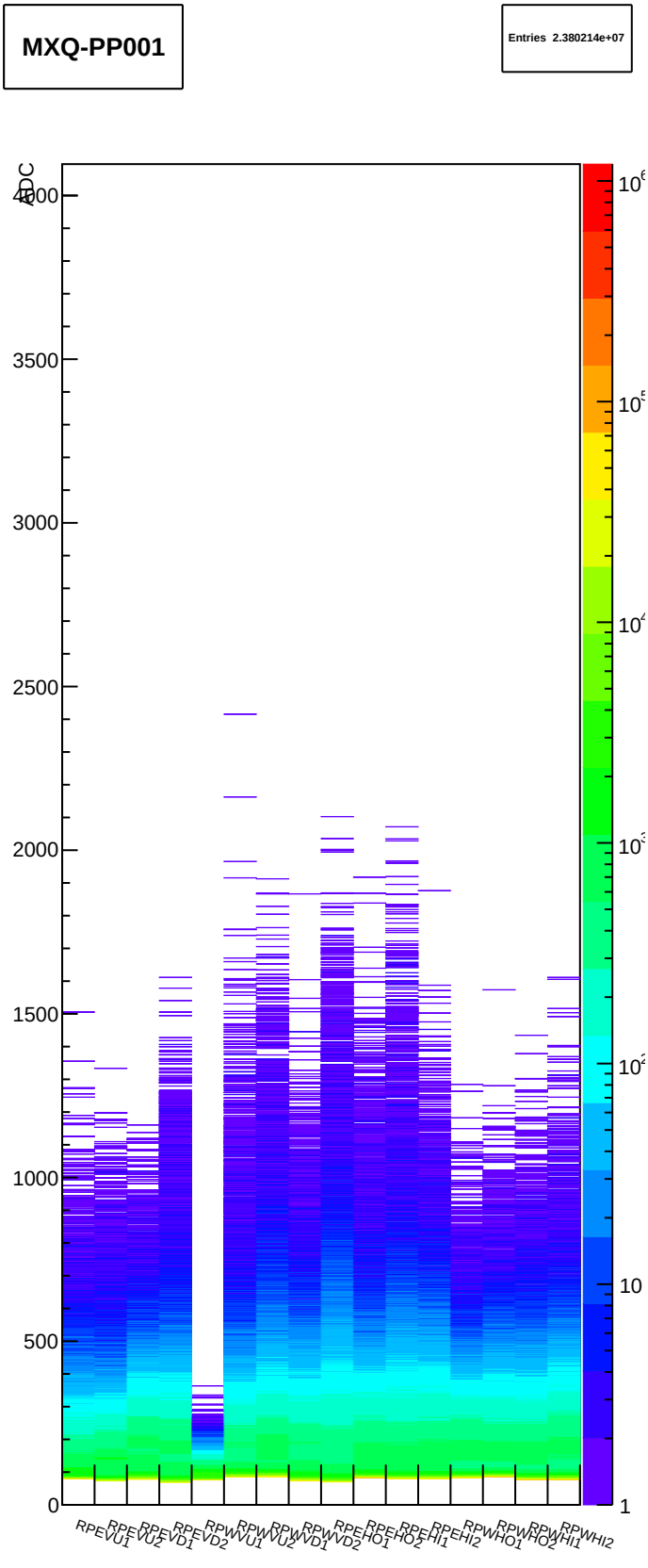

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

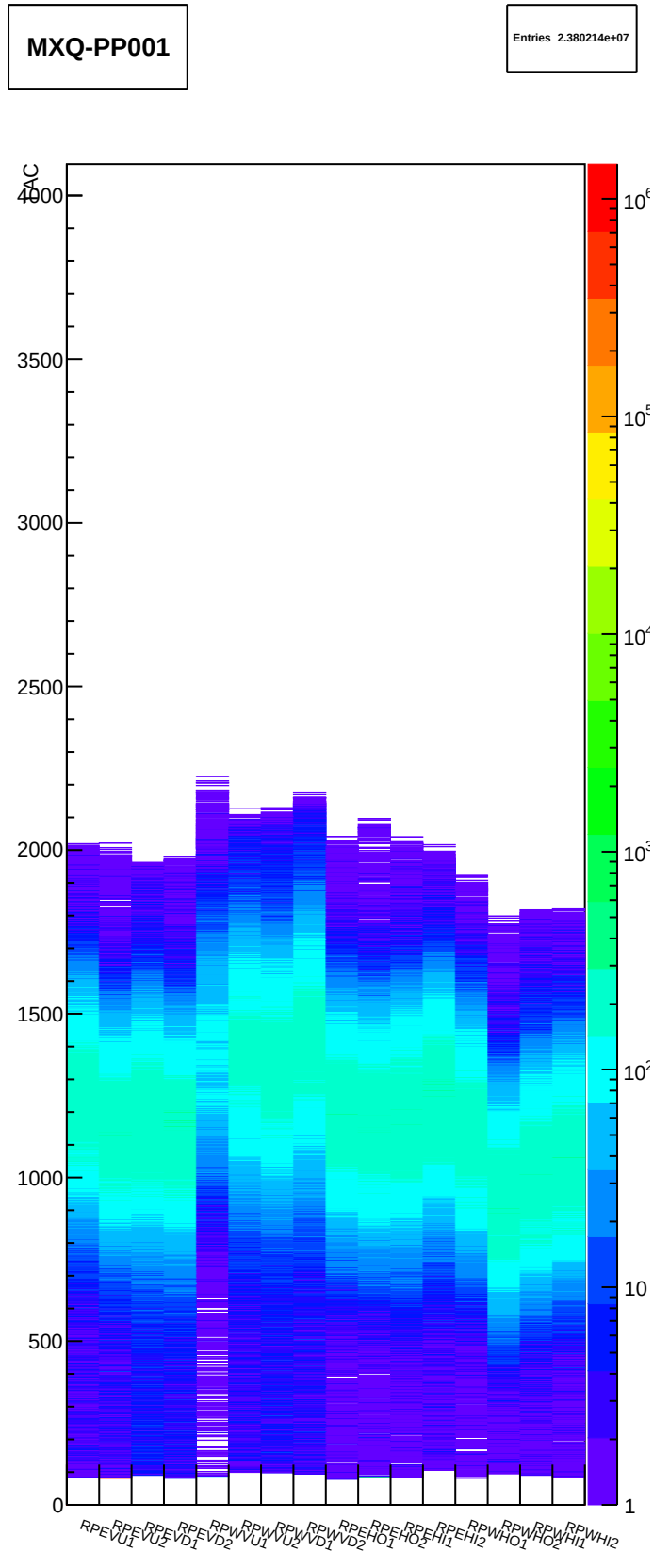

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

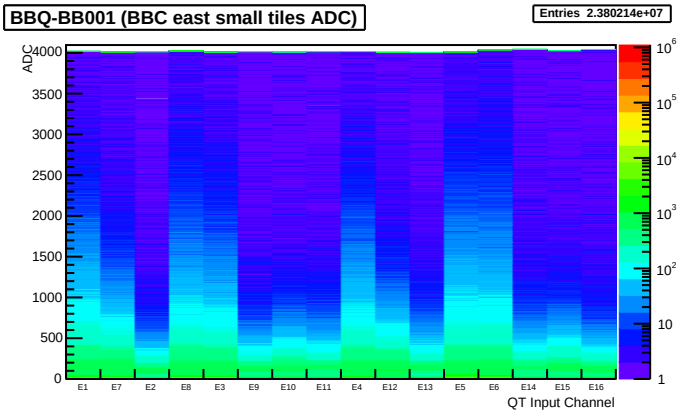

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 2975268
TAC sum
1st-Best
2nd-Best
ID

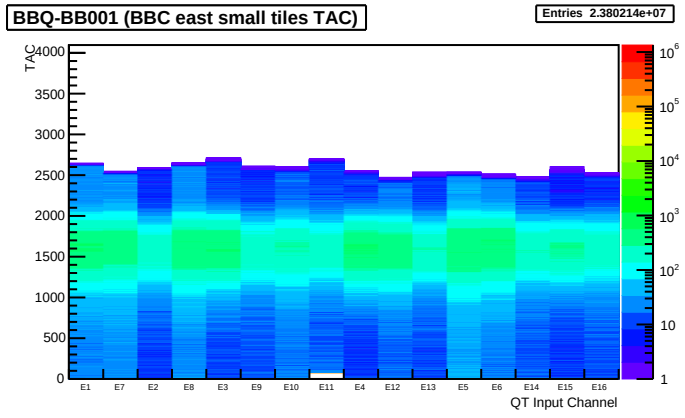

MIX-MT102 Input: VP003 Max TAC
Entries 1487634

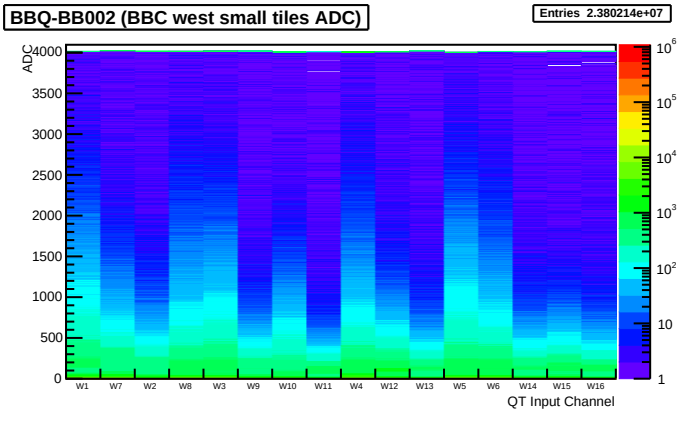

MIX-MT102 Input: VP004 Max TAC
Entries 1487634

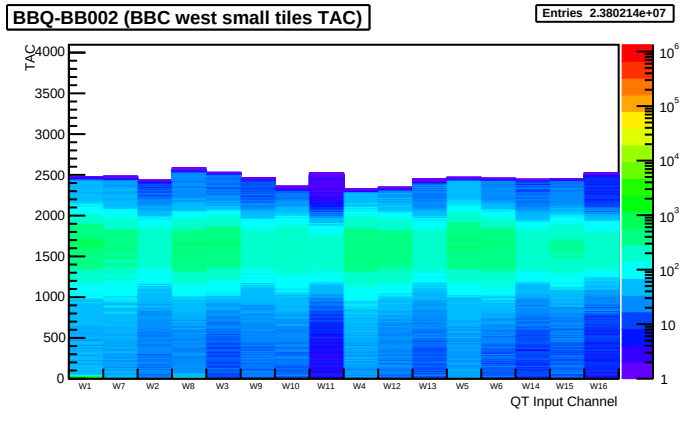

MXQ-PP001
Entries 2.380214e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

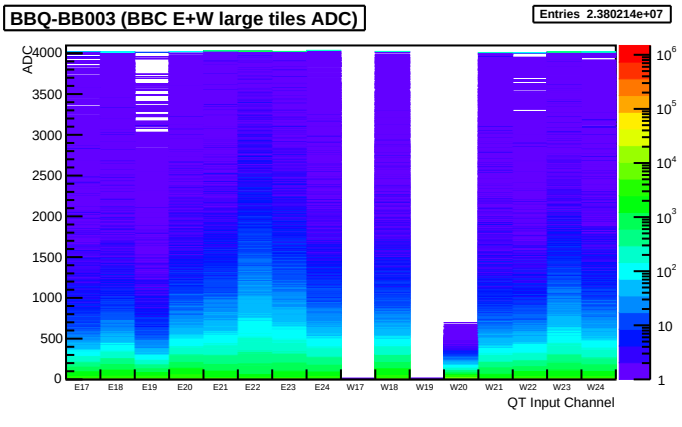

MXQ-PP001
Entries 2.380214e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

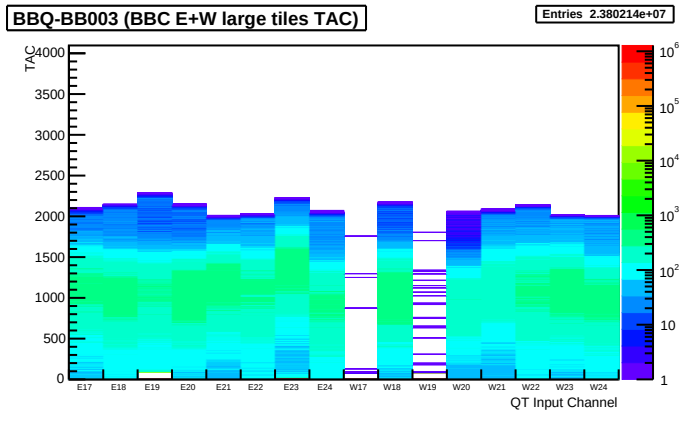

BBQ-BB001 (BBC east small tiles ADC)
Entries 2.380214e+07
ADC
QT Input Channel

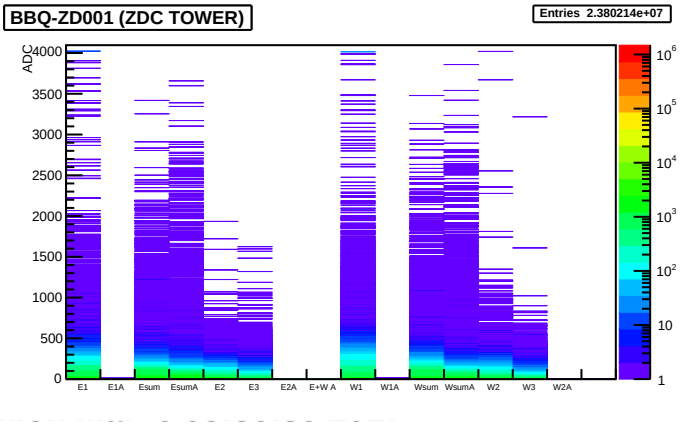

BBQ-BB001 (BBC east small tiles TAC)
Entries 2.380214e+07
TAC
QT Input Channel

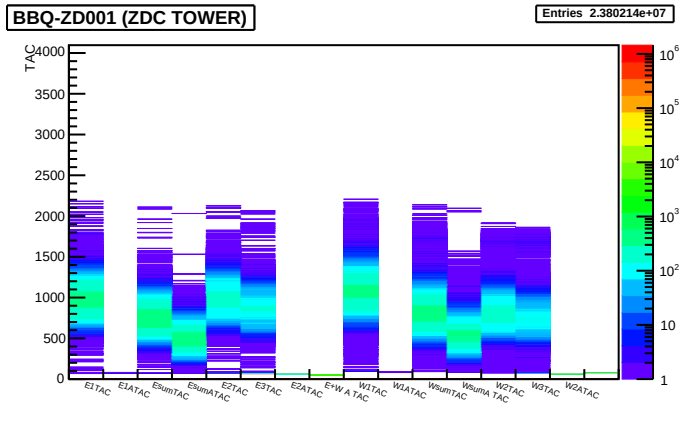

BBQ-BB002 (BBC west small tiles ADC)
Entries 2.380214e+07
ADC
QT Input Channel

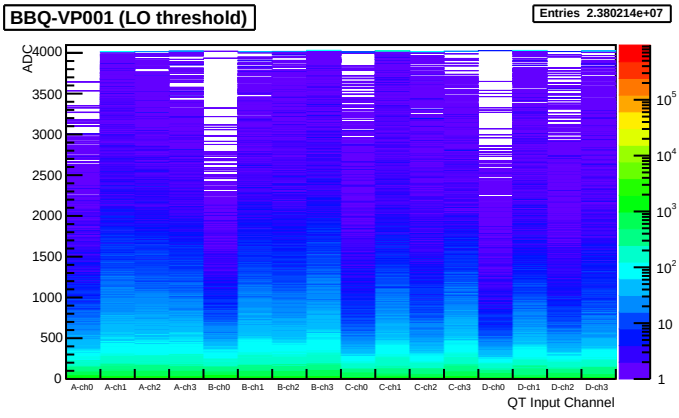

BBQ-BB002 (BBC west small tiles TAC)
Entries 2.380214e+07
TAC
QT Input Channel

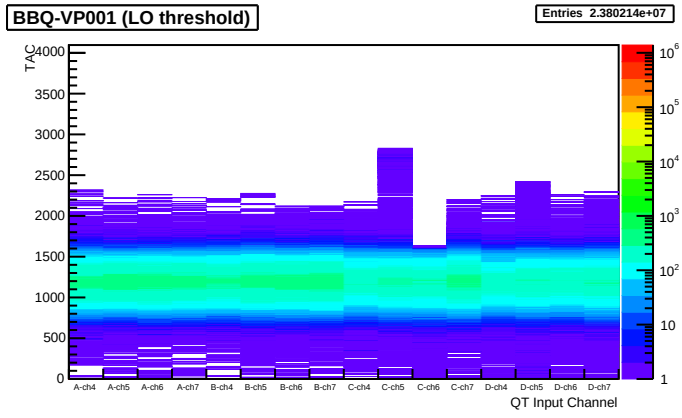

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 2.380214e+07
ADC
QT Input Channel

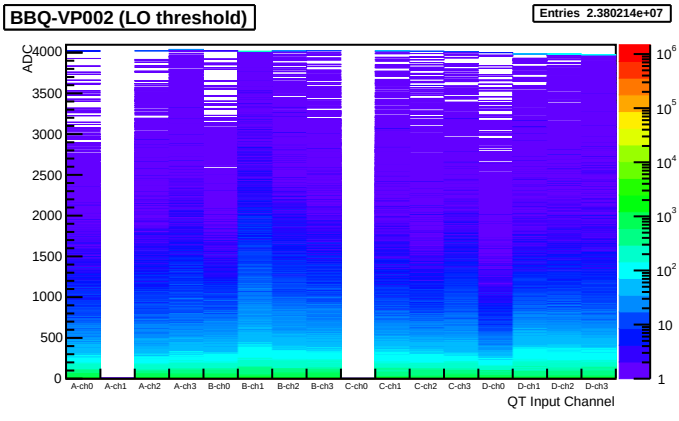

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 2.380214e+07
TAC
QT Input Channel

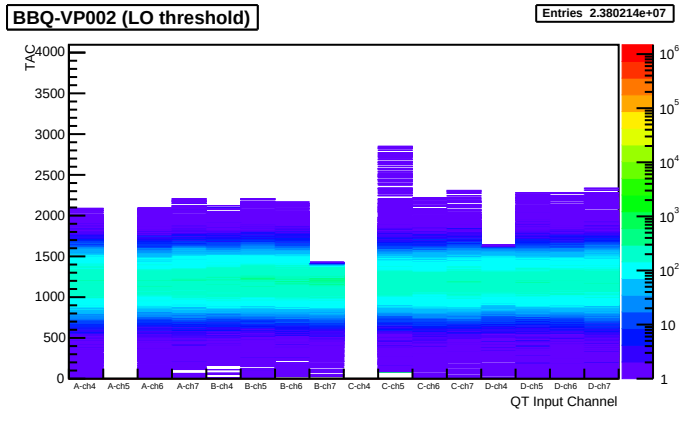

BBQ-ZD001 (ZDC TOWER)
Entries 2.380214e+07
ADC

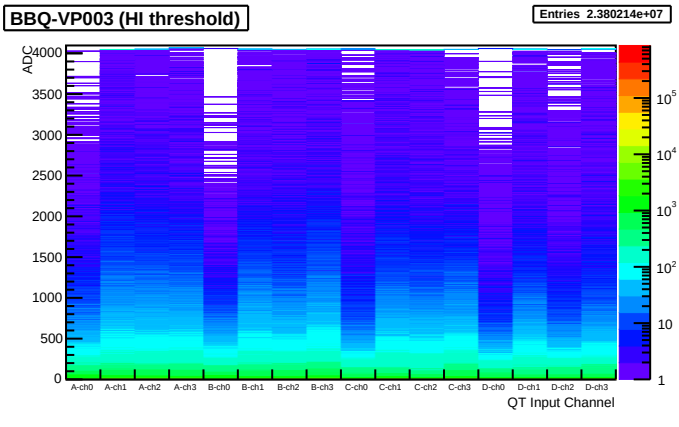

BBQ-ZD001 (ZDC TOWER)
Entries 2.380214e+07
TAC

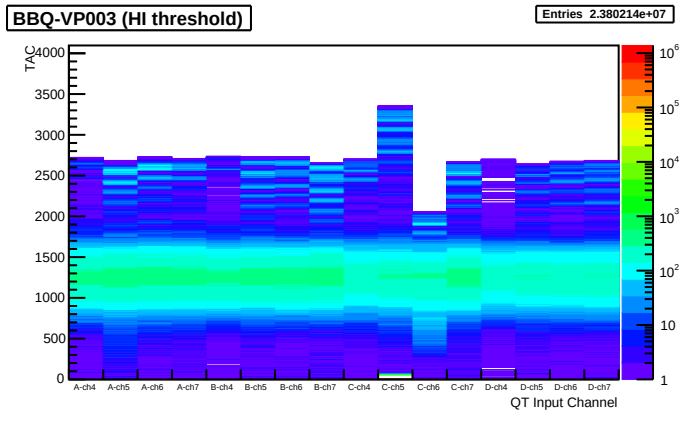

BBQ-VP001 (LO threshold)
Entries 2.380214e+07
ADC
QT Input Channel

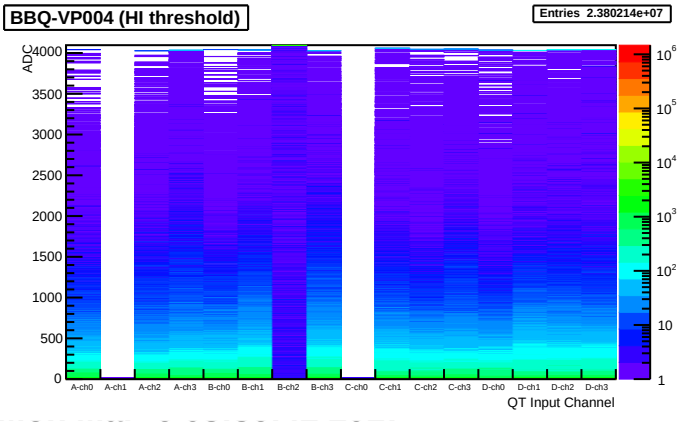

BBQ-VP001 (LO threshold)
Entries 2.380214e+07
TAC
QT Input Channel

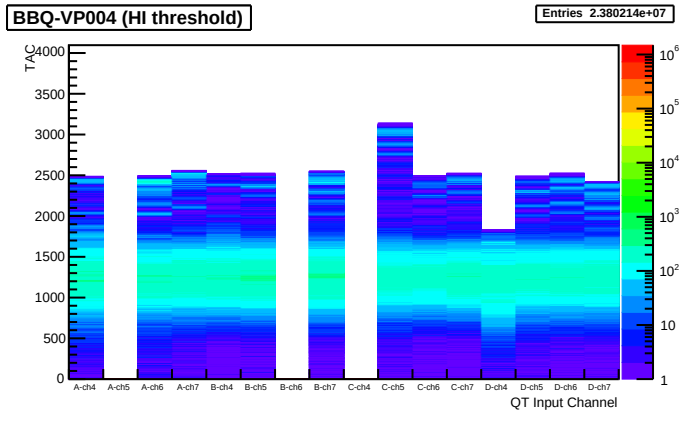

BBQ-VP002 (LO threshold)
Entries 2.380214e+07
ADC
QT Input Channel

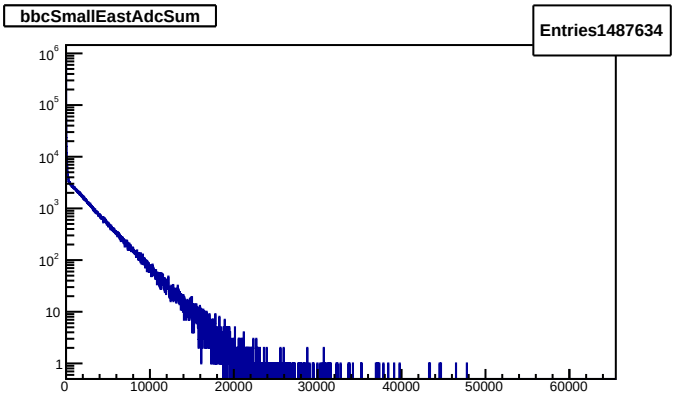

BBQ-VP002 (LO threshold)
Entries 2.380214e+07
TAC
QT Input Channel

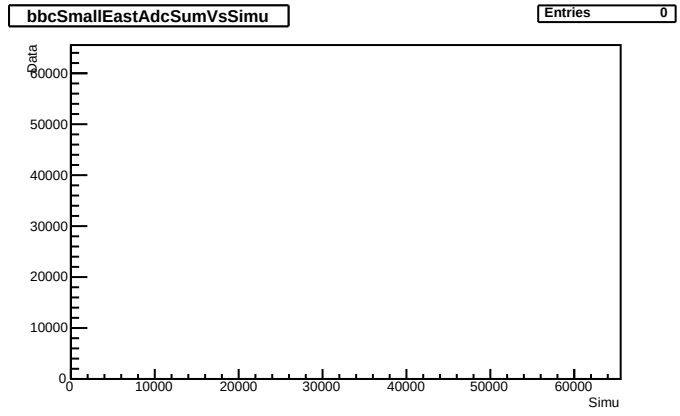

BBQ-VP003 (HI threshold)
Entries 2.380214e+07
ADC
QT Input Channel

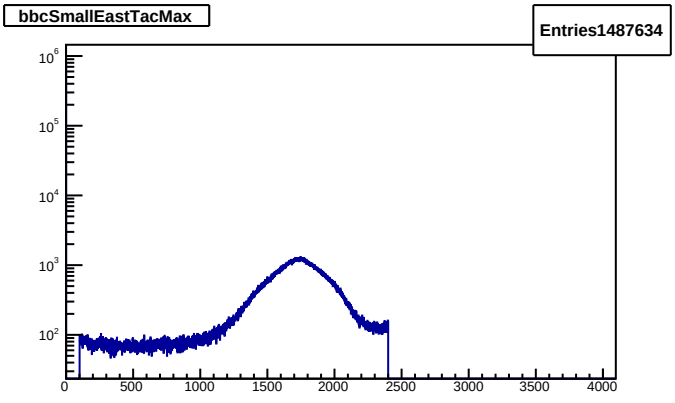

BBQ-VP003 (HI threshold)
Entries 2.380214e+07
TAC
QT Input Channel

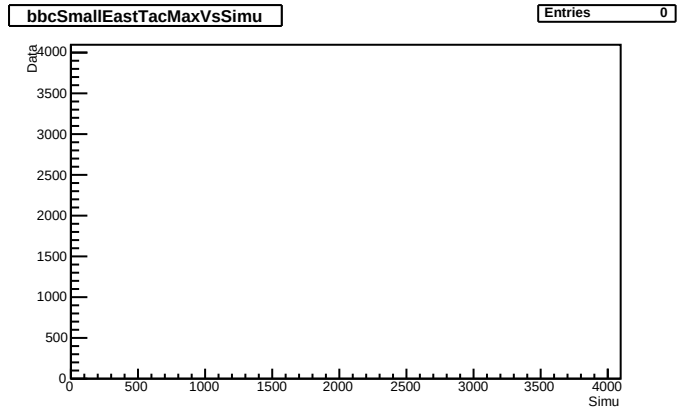

BBQ-VP004 (HI threshold)
Entries 2.380214e+07
ADC
QT Input Channel

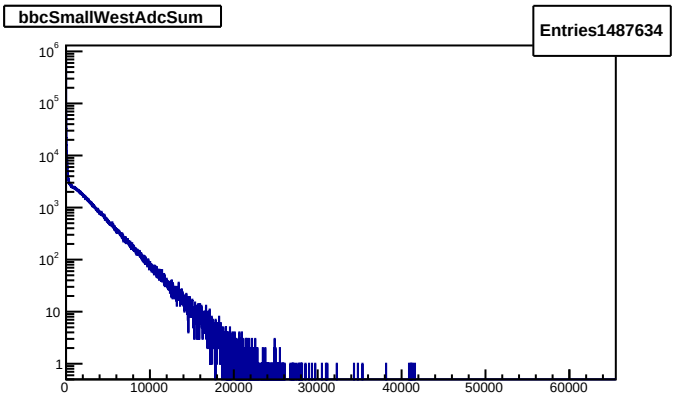

BBQ-VP004 (HI threshold)
Entries 2.380214e+07
TAC
QT Input Channel

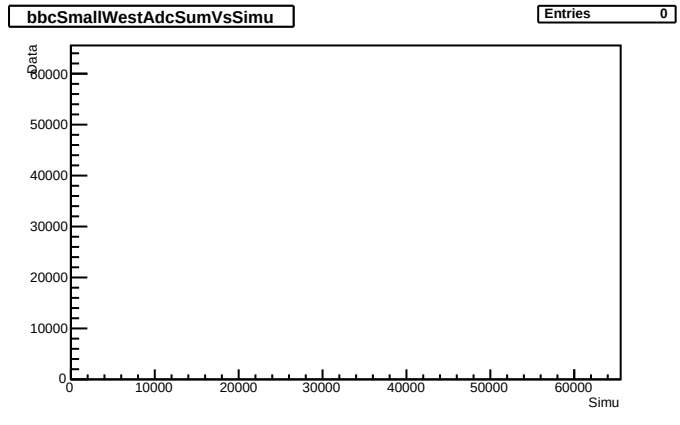

bbcSmallEastAdcSum
Entries1487634

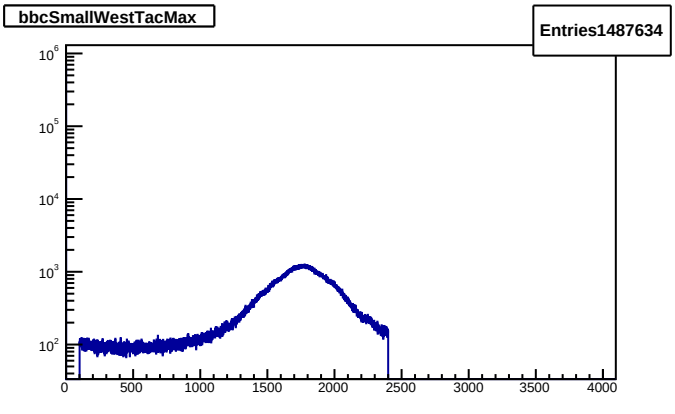

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

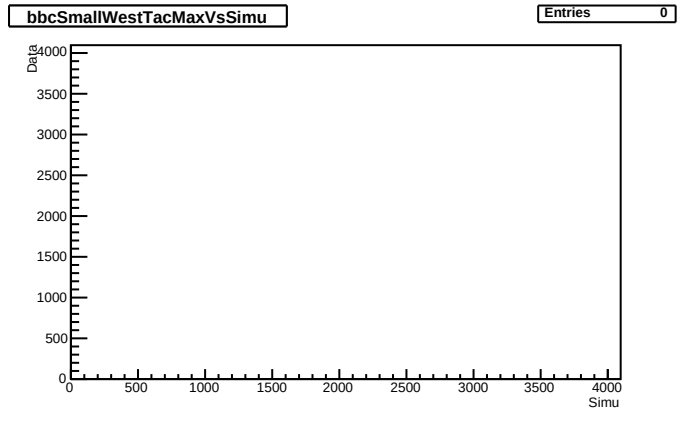

bbcSmallEastTacMax
Entries1487634

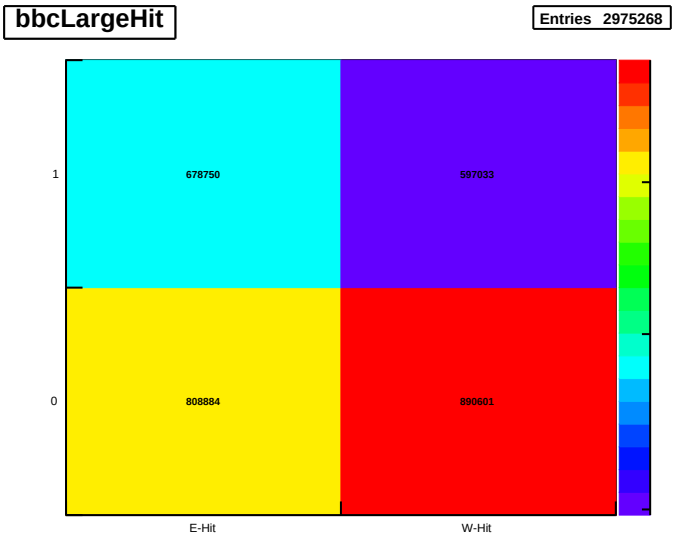

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

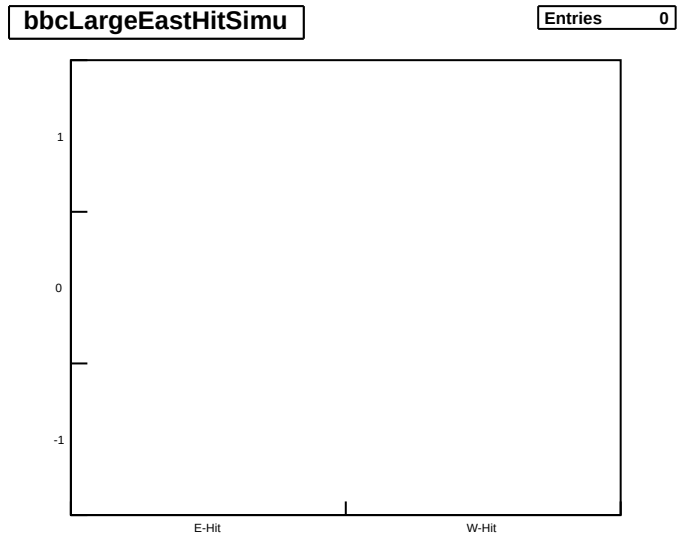

bbcSmallWestAdcSum
Entries1487634

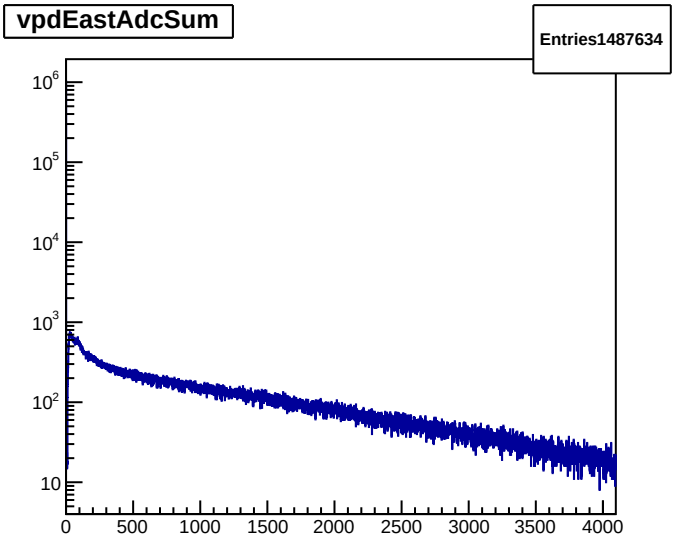

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

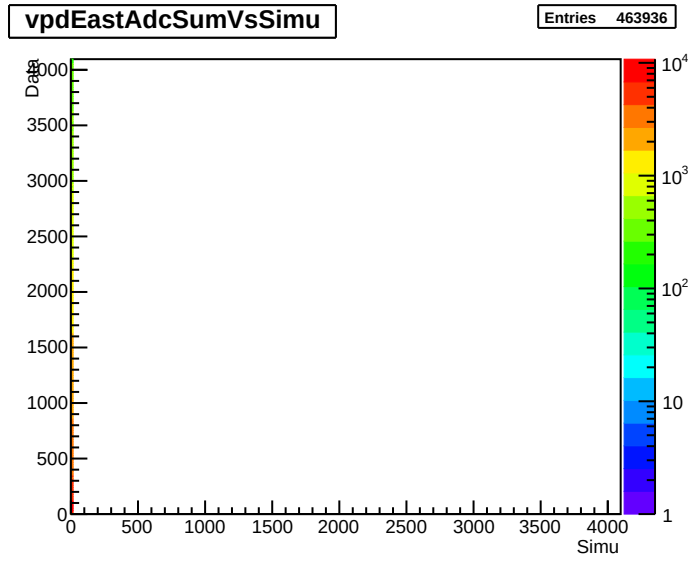

bbcSmallWestTacMax
Entries1487634

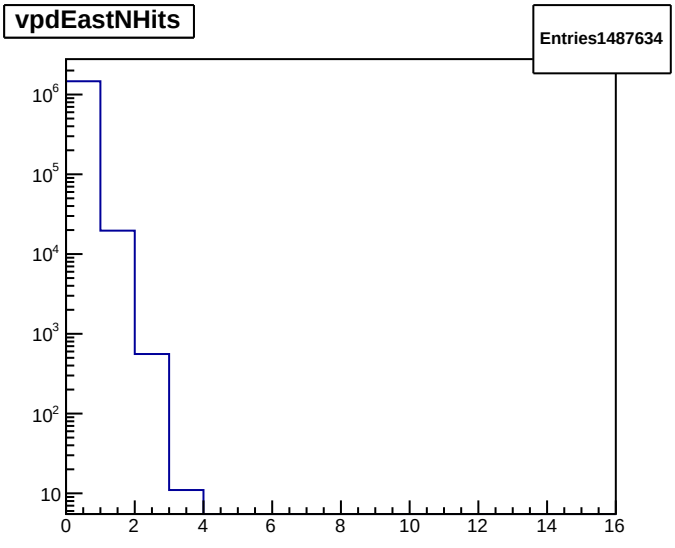

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

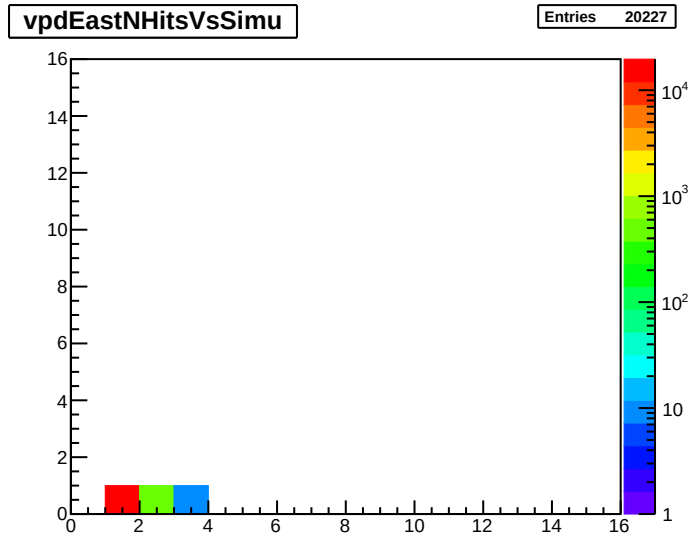

bbcLargeHit
Entries 2975268
1
0
678750
597033
808884
890601
E-Hit
W-Hit

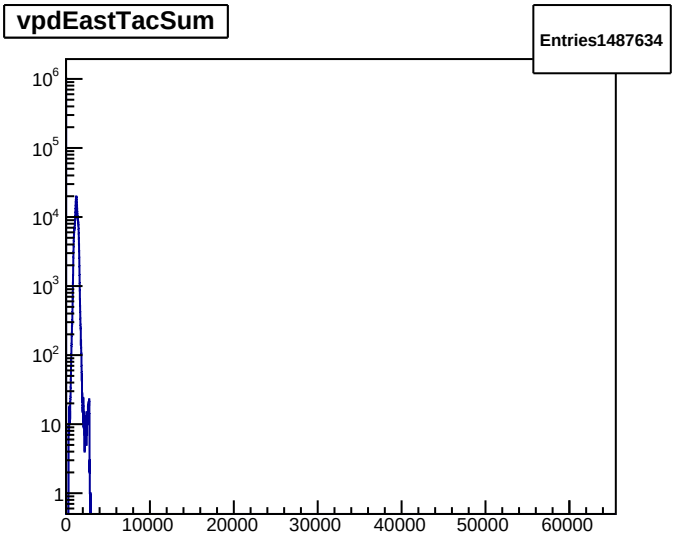

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

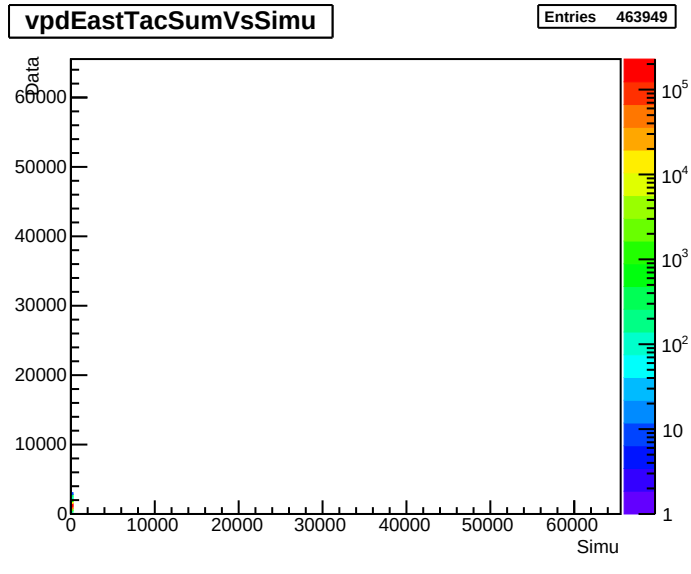

vpdEastAdcSum
Entries1487634

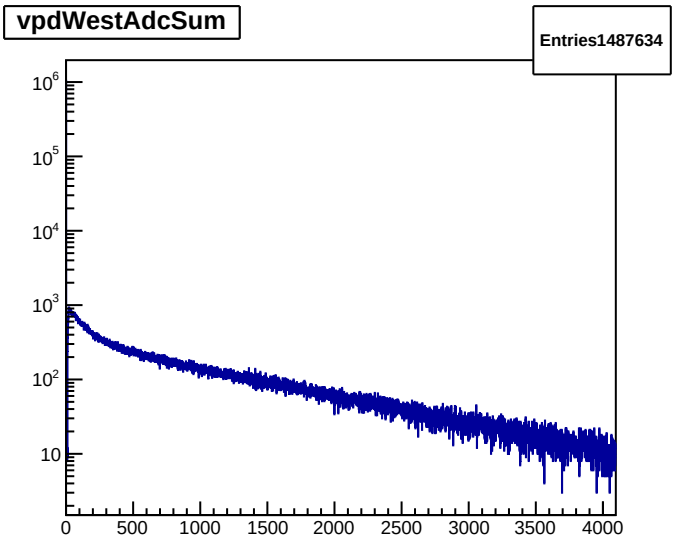

vpdEastAdcSumVsSimu
Entries 463936
Data
Simu

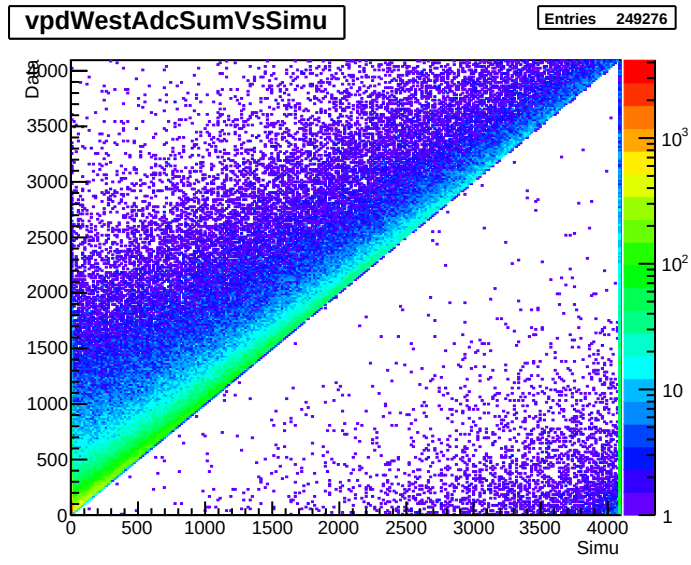

vpdEastNHits
Entries1487634

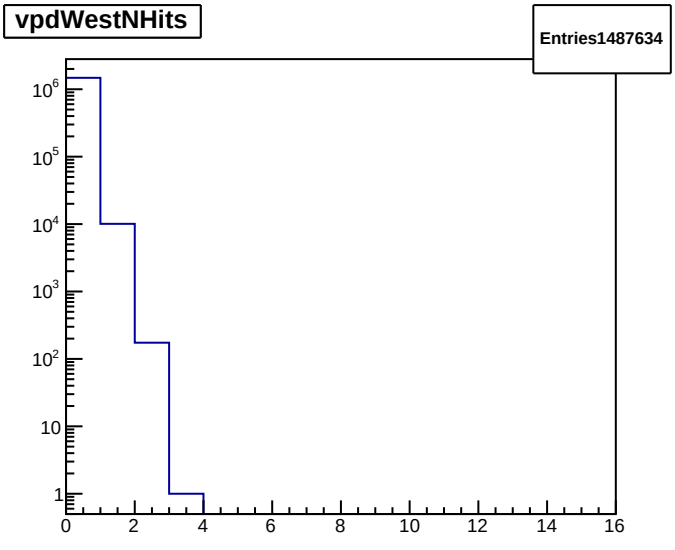

vpdEastNHitsVsSimu
Entries 20227

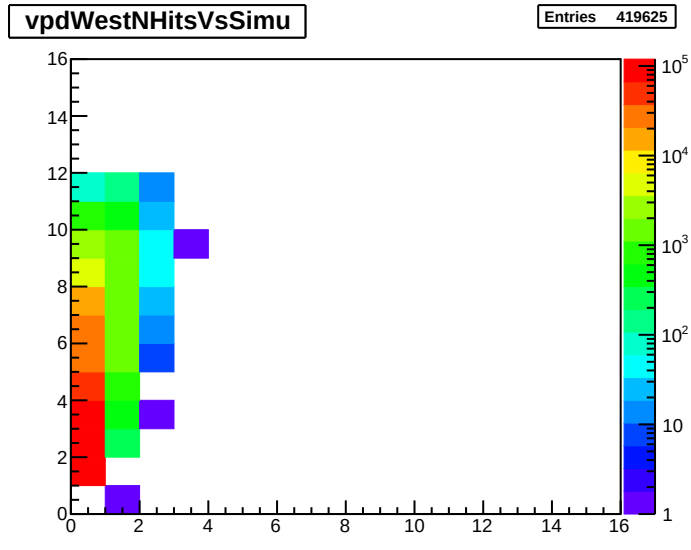

vpdEastTacSum
Entries1487634

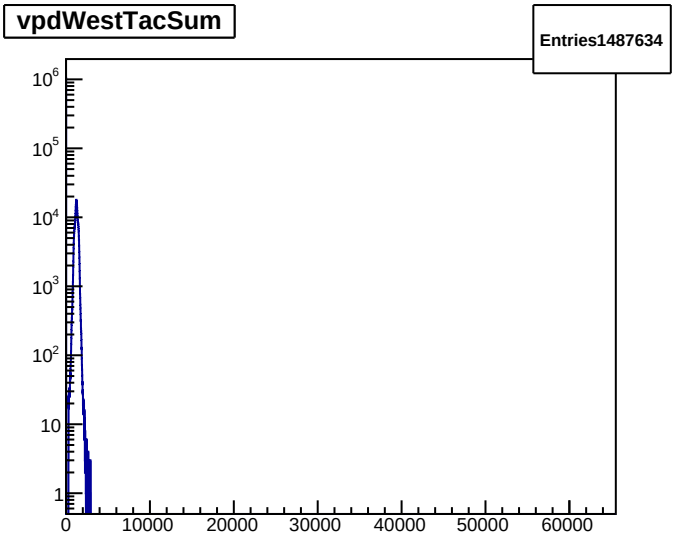

vpdEastTacSumVsSimu
Entries 463949
Data
Simu

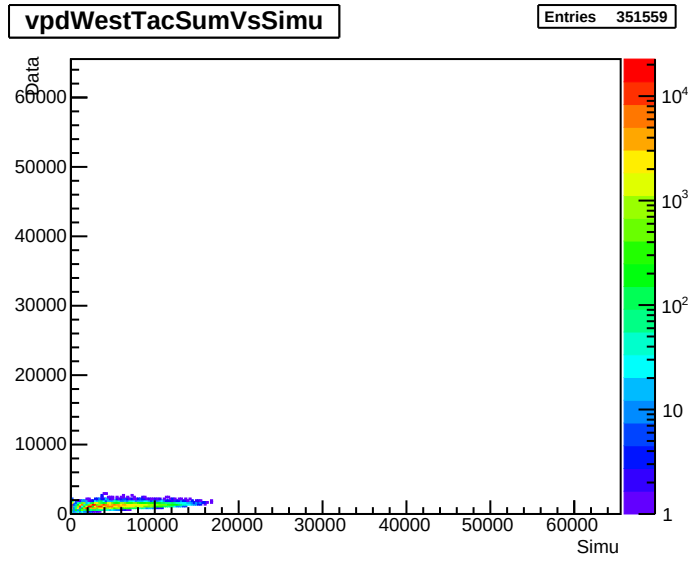

vpdWestAdcSum
Entries1487634

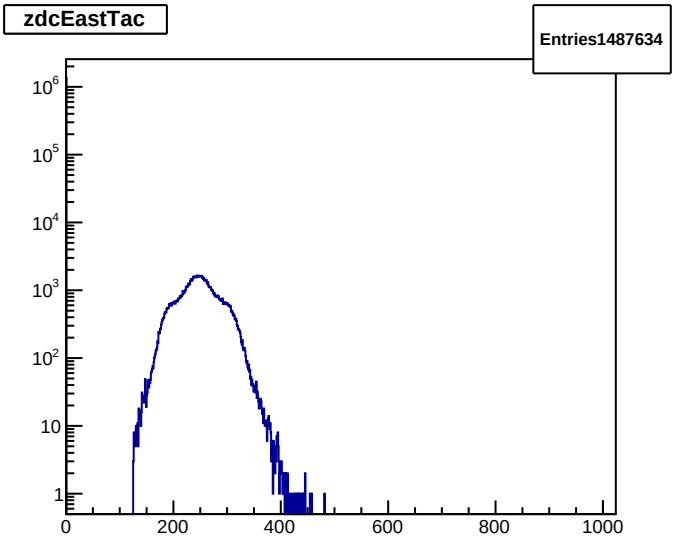

vpdWestAdcSumVsSimu
Entries 249276
Data
Simu

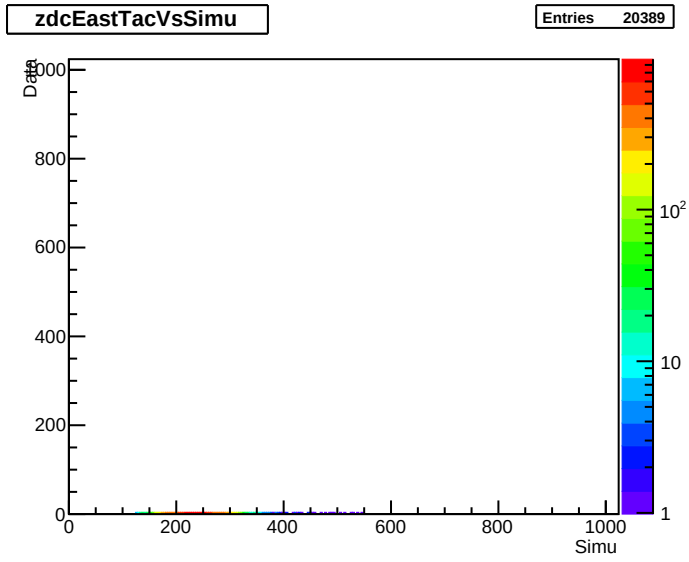

vpdWestNHits
Entries1487634

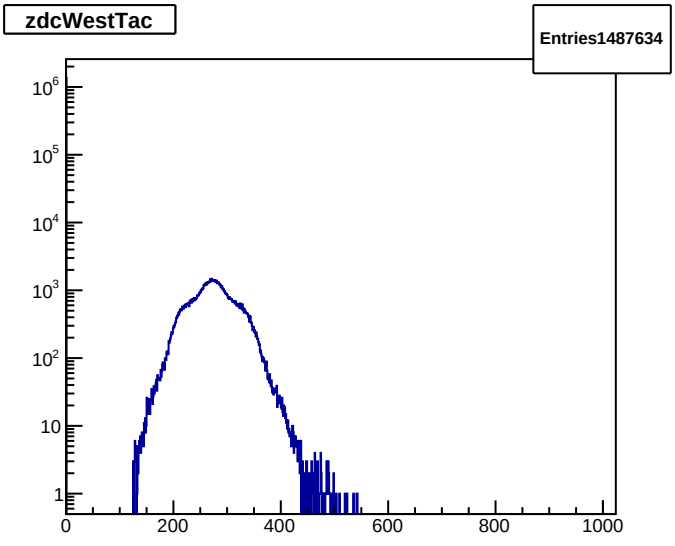

vpdWestNHitsVsSimu
Entries 419625

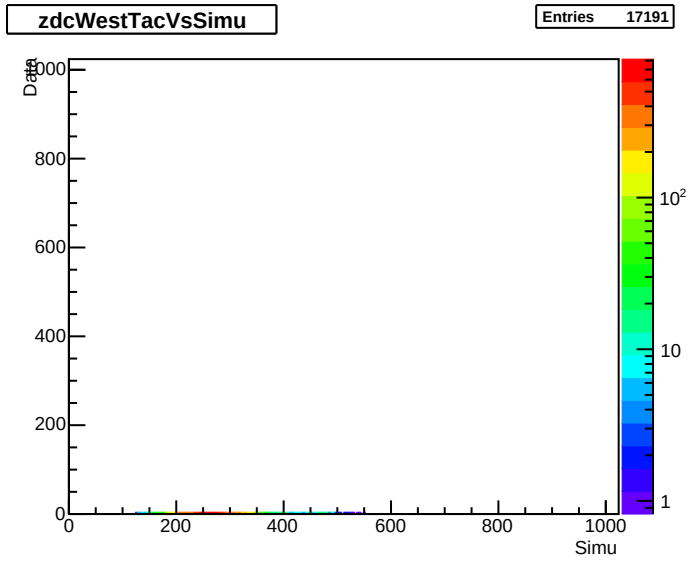

vpdWestTacSum
Entries1487634

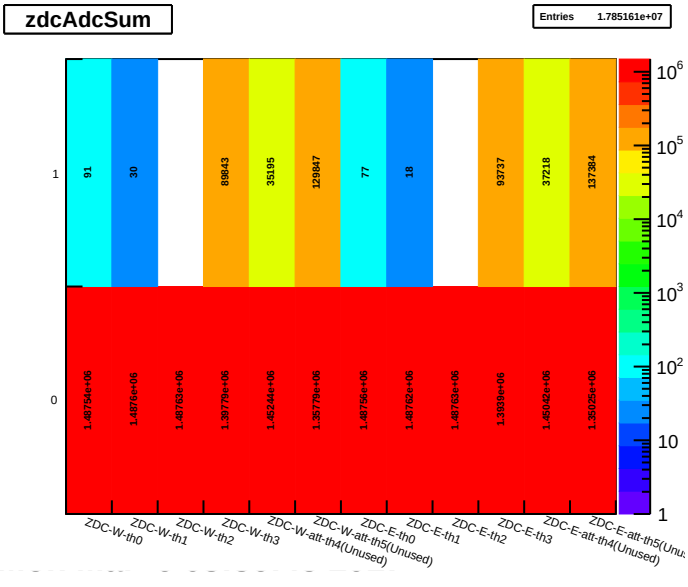

vpdWestTacSumVsSimu
Entries 351559
Data
Simu

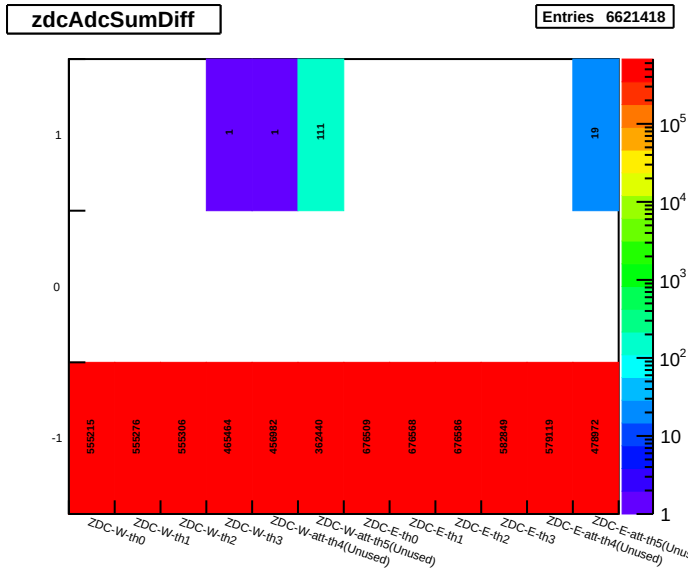

zdcEastTac
Entries1487634

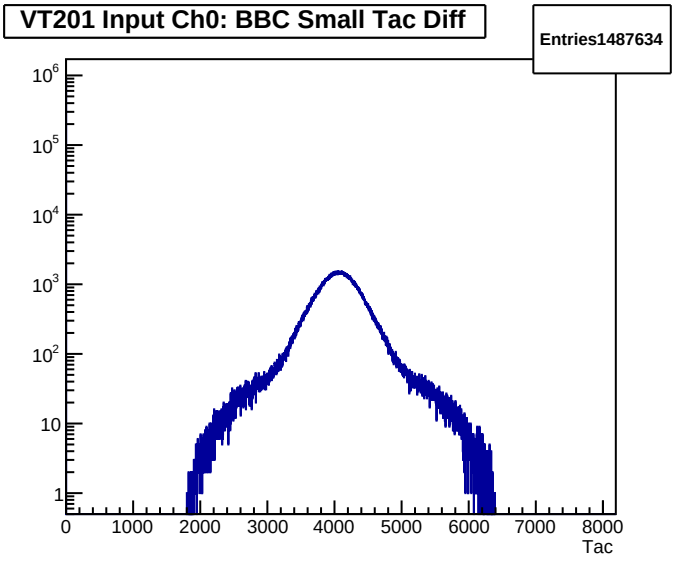

zdcEastTacVsSimu
Entries 20389
Data
Simu

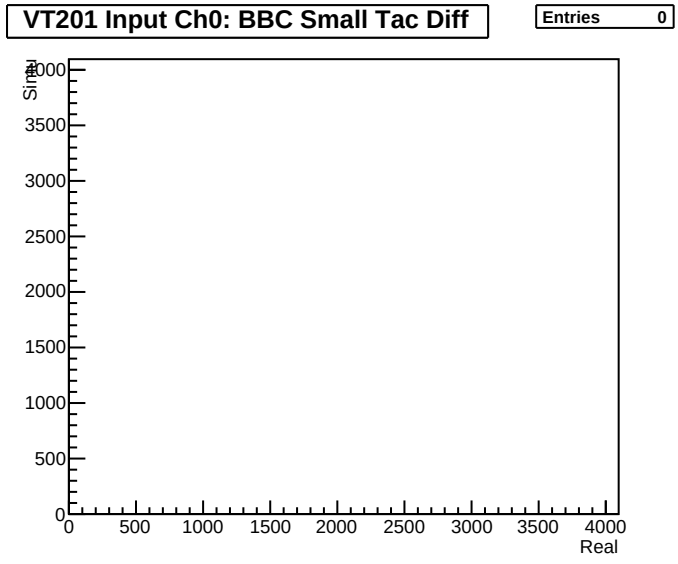

zdcWestTac
Entries1487634

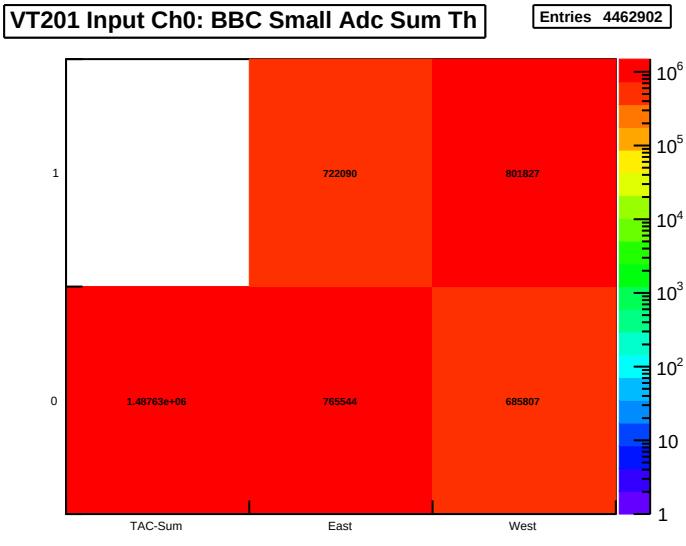

zdcWestTacVsSimu
Entries 17191
Data
Simu

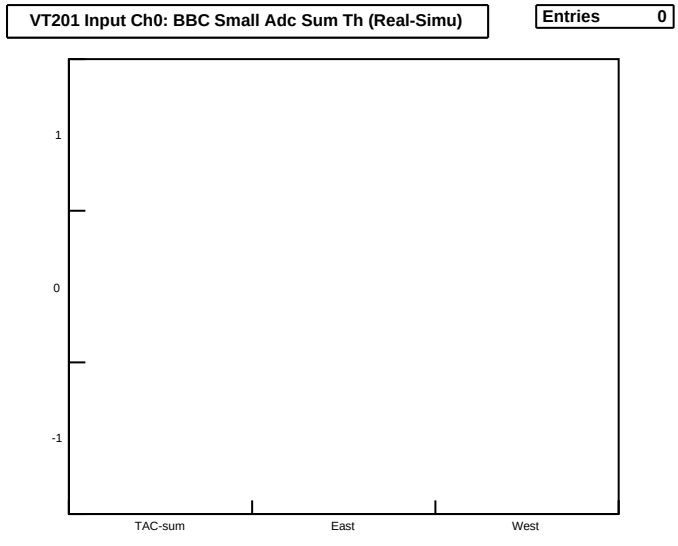

zdcAdcSum
Entries 1.785161e+07
91
30
89843
35195
129847
77
18
93737
37218
137384
1.46754e+06
1.4876e+06
1.49763e+06
1.39779e+06
1.45244e+06
1.35779e+06
1.46756e+06
1.46762e+06
1.49763e+06
1.3939e+06
1.45042e+06
1.35025e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

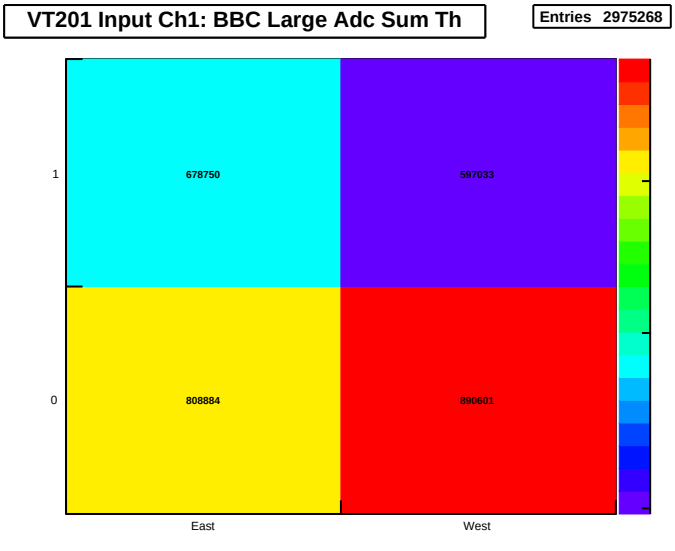

zdcAdcSumDiff
Entries 6621418
1
1
111
19
555215
553276
555306
465464
459982
362440
676509
676568
676586
582849
579119
478972
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

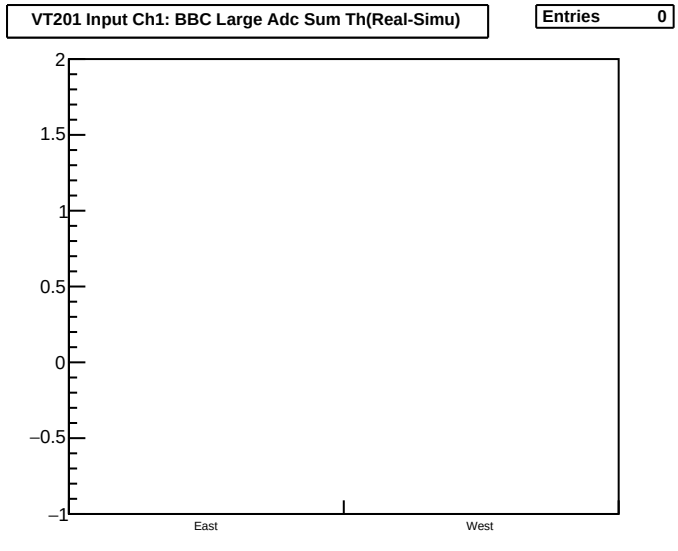

VT201 Input Ch0: BBC Small Tac Diff
Entries1487634
Tac


VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

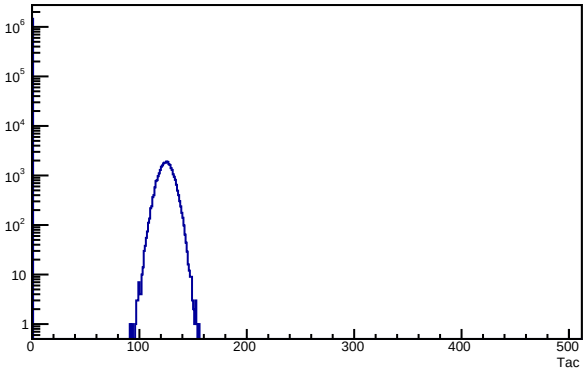

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 4462902
722090
801827
1.48763e+06
765544
685807
TAC-Sum
East
West


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

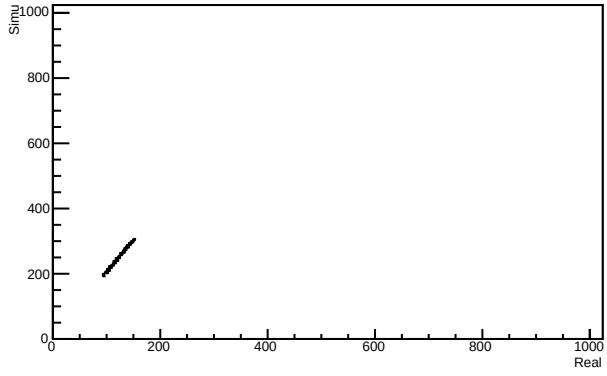

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 2975268
678750
597033
808884
890601
East
West


VT201 Input Ch1: BBC Large Adc Sum Th(Real-Simu)
Entries 0
East
West

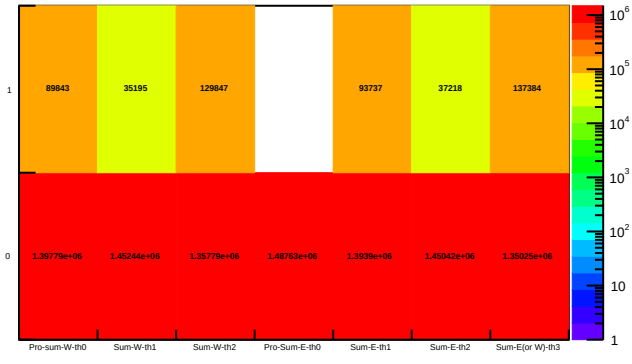
**VT201 Input Ch2: ZDC Tac Diff**



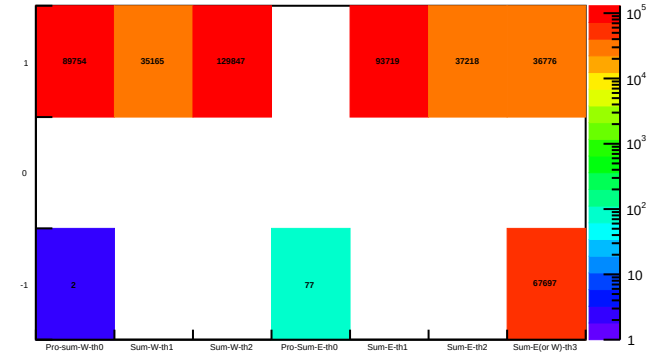

**VT201 Input Ch2: ZDC Tac Diff**



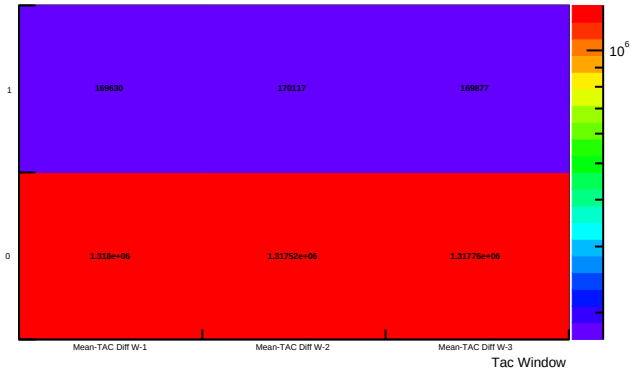

**VT201 Input Ch2: ZDC Adc Sum Th**



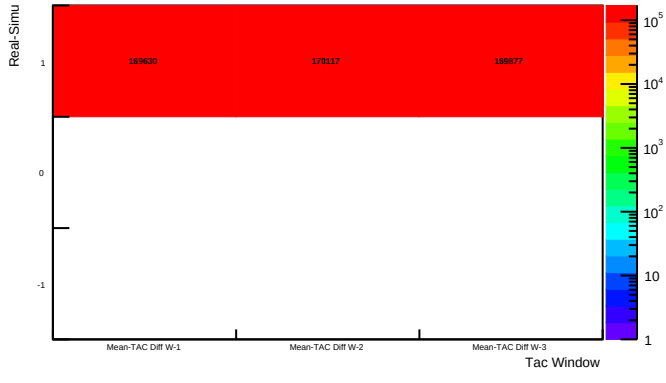

**VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)**



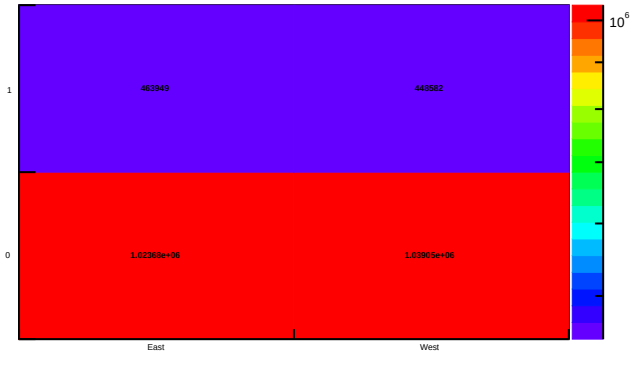

**VT201 Input Ch4: VPD Tac Diff**



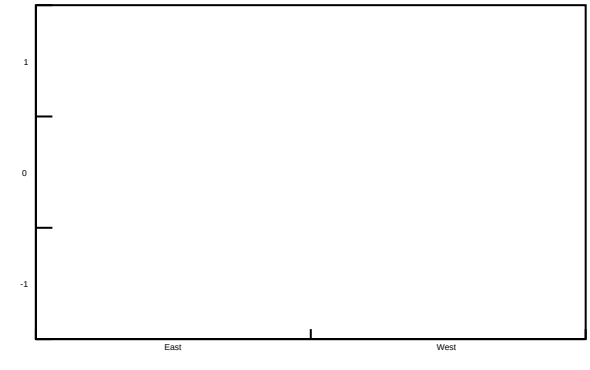

**VT201 Input Ch4: VPD Tac Diff**

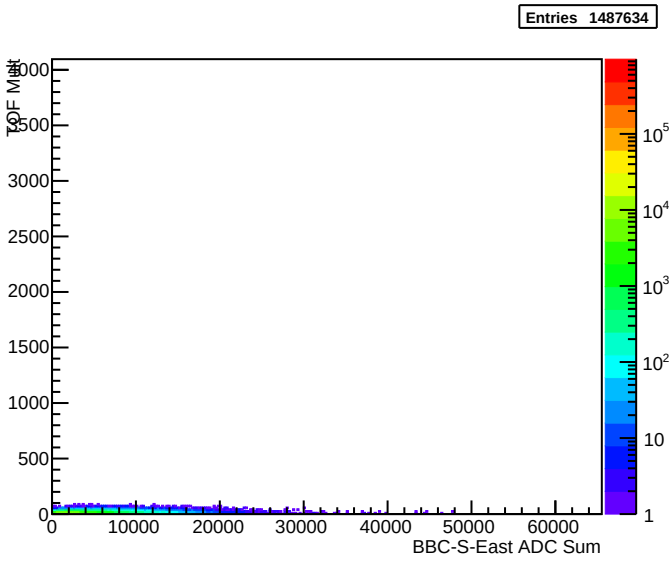


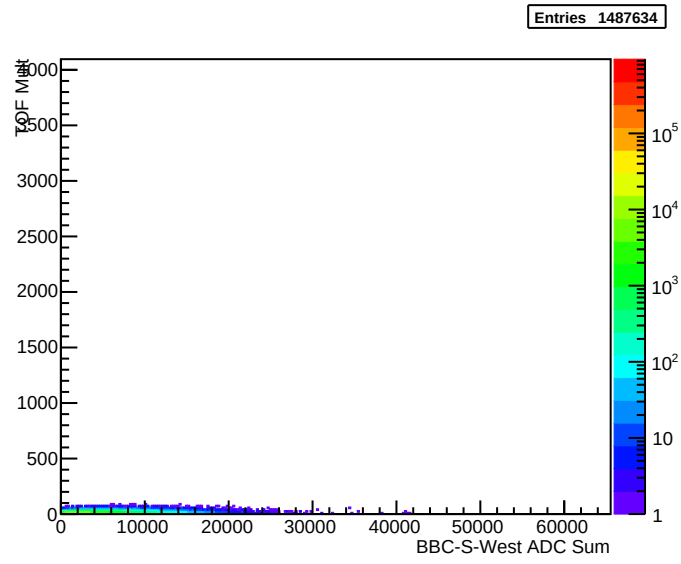

**VT201 Input Ch4: VPD Adc Sum Th**

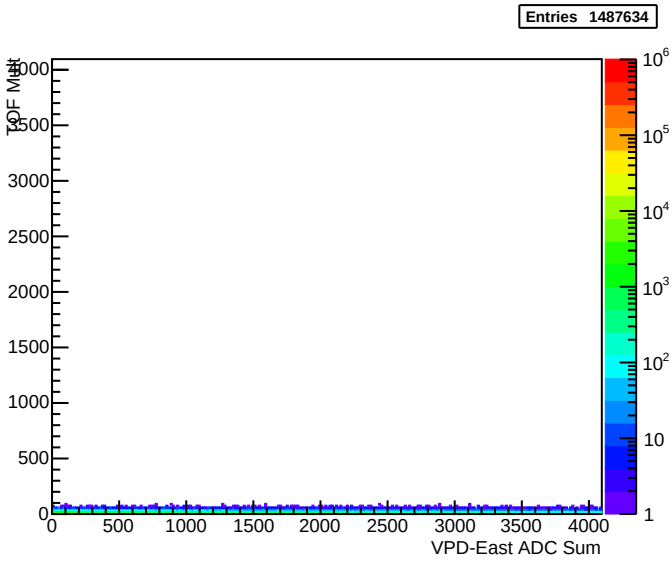


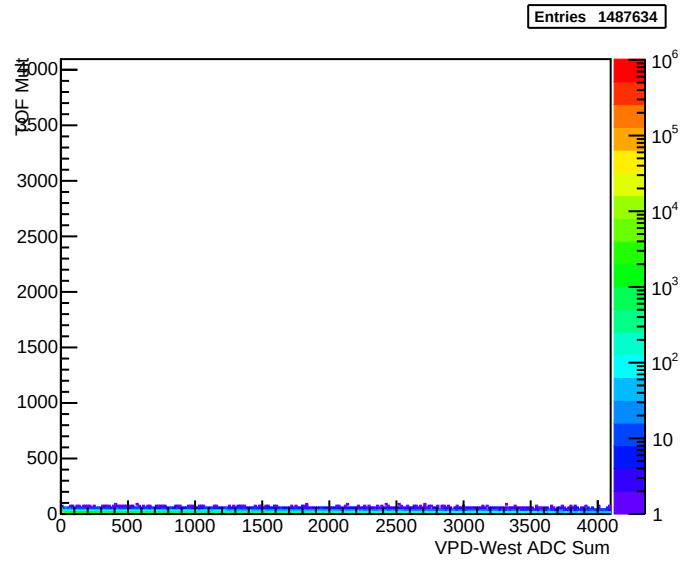

**VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)**

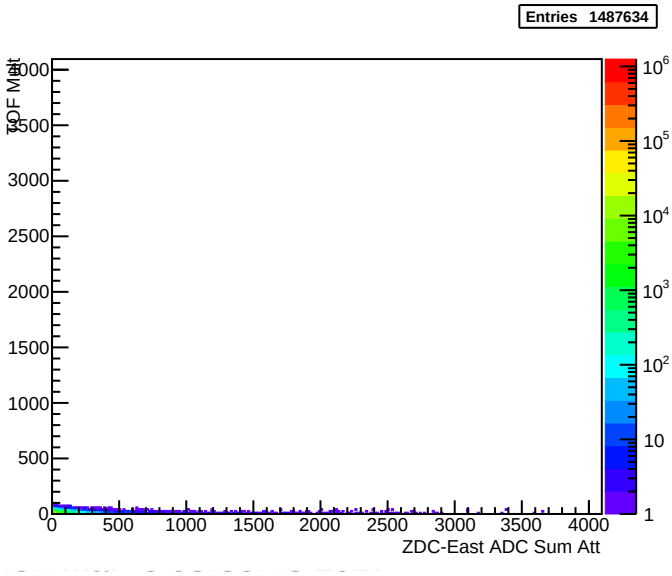


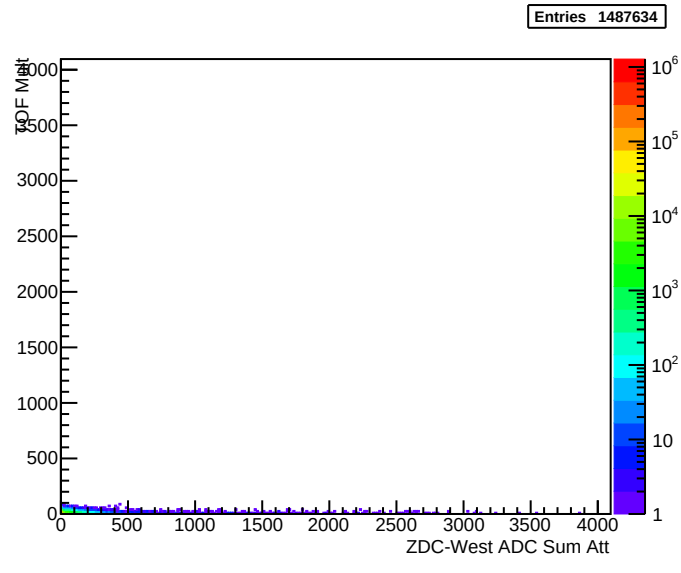

Entries 1487634
TOF Mult
BBC-S-East ADC Sum

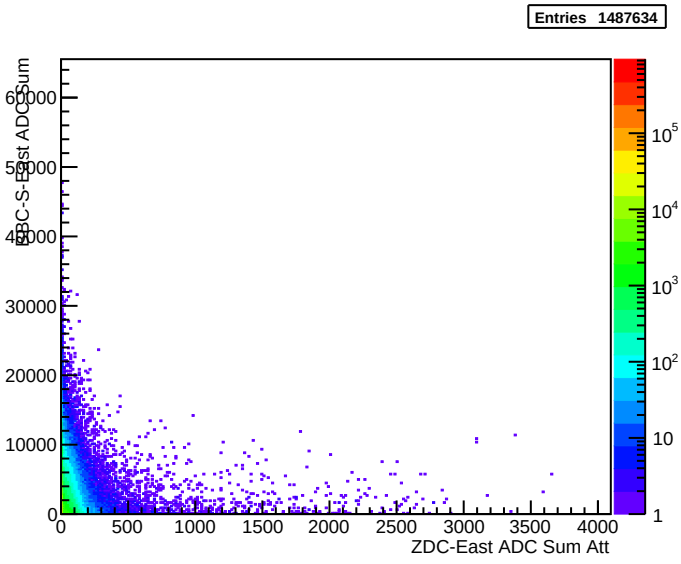

Entries 1487634
TOF Mult
BBC-S-West ADC Sum

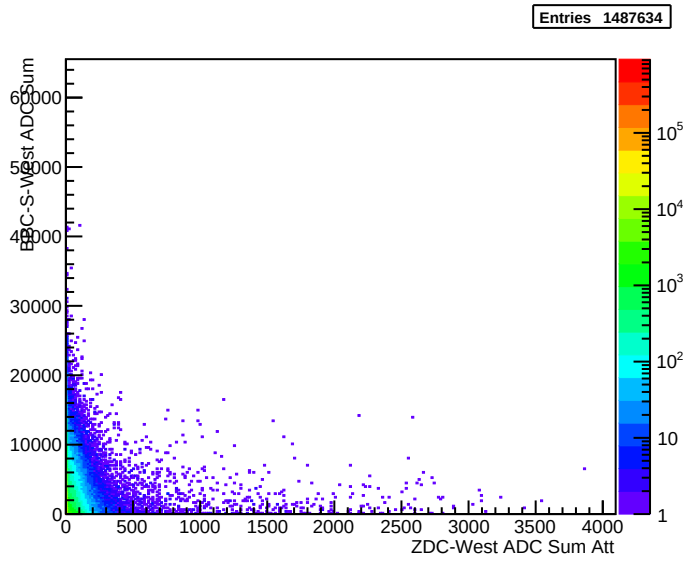

Entries 1487634
TOF Mult
VPD-East ADC Sum

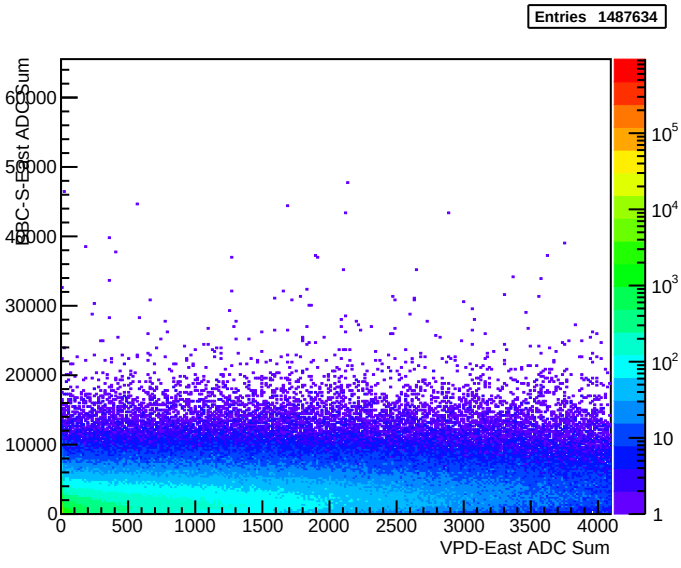

Entries 1487634
TOF Mult
VPD-West ADC Sum

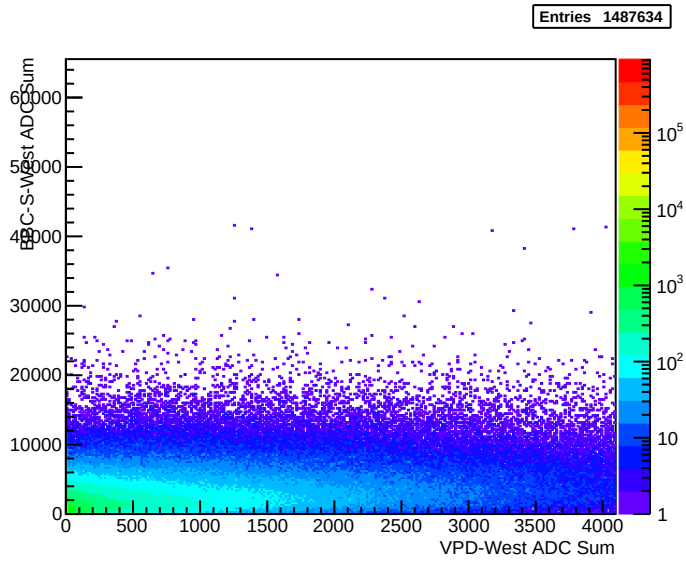

Entries 1487634
TOF Mult
ZDC-East ADC Sum Att

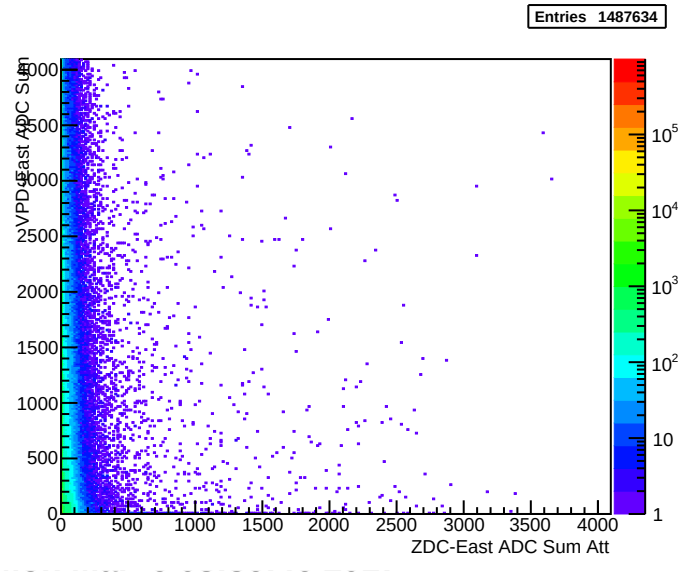

Entries 1487634
TOF Mult
ZDC-West ADC Sum Att

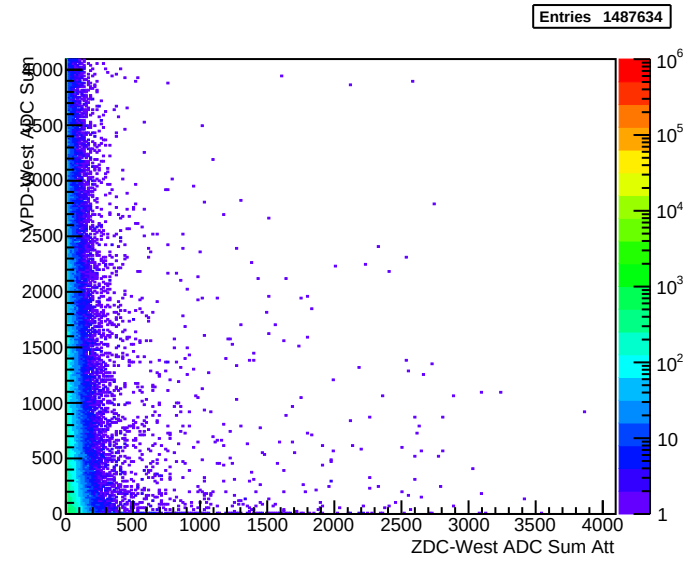

Entries 1487634
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

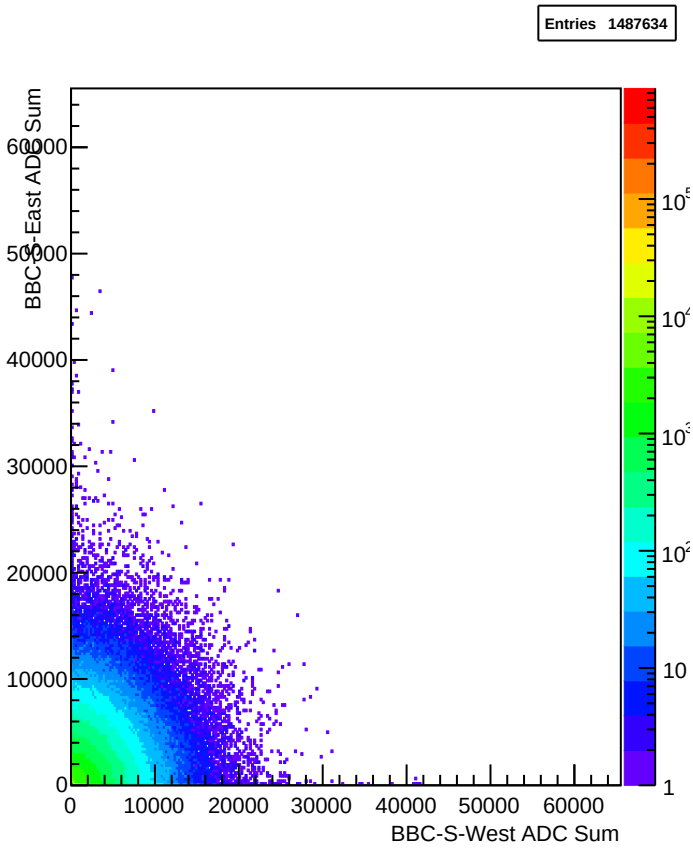

Entries 1487634
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

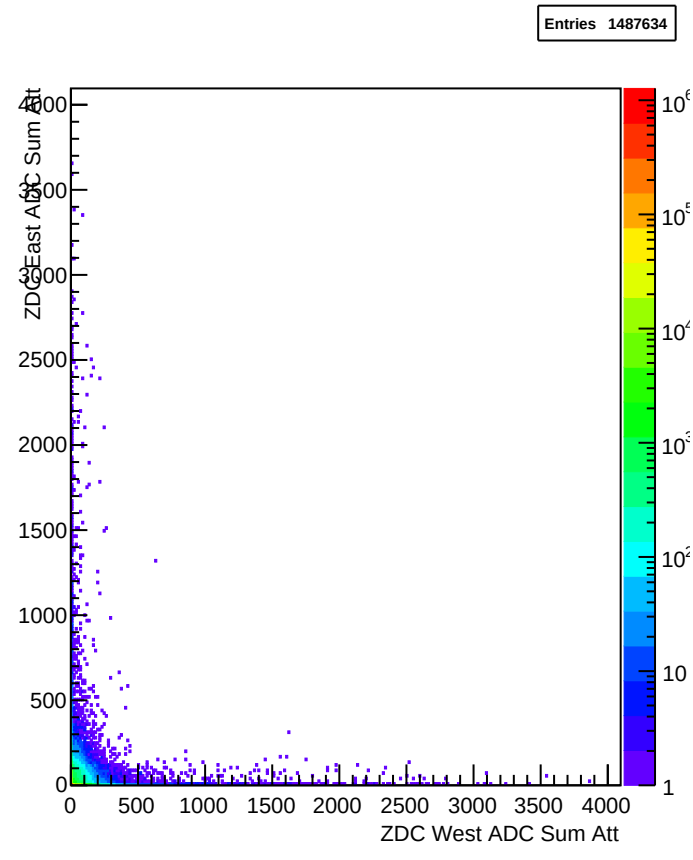

Entries 1487634
BBC-S-East ADC Sum
VPD-East ADC Sum

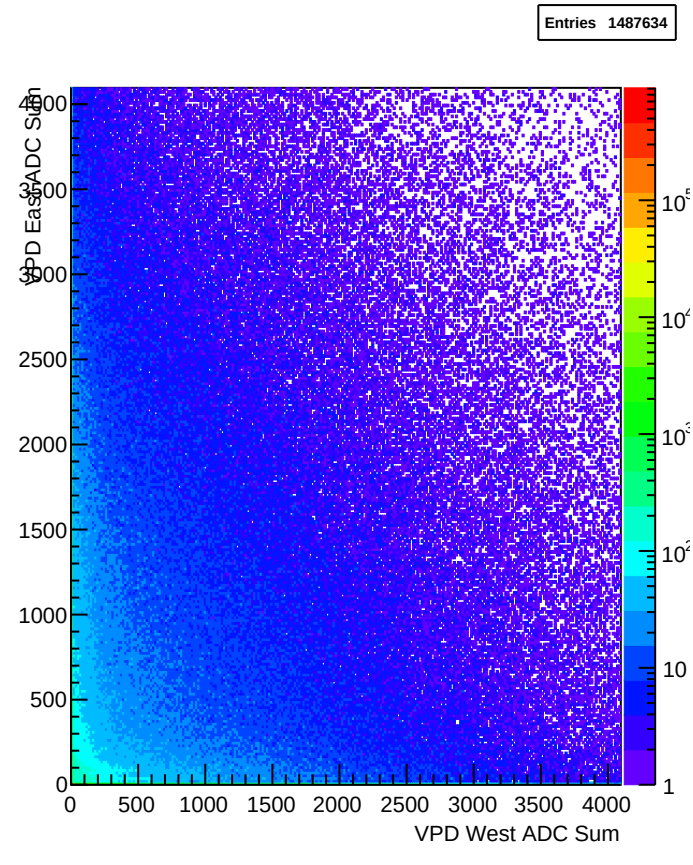

Entries 1487634
BBC-S-West ADC Sum
VPD-West ADC Sum

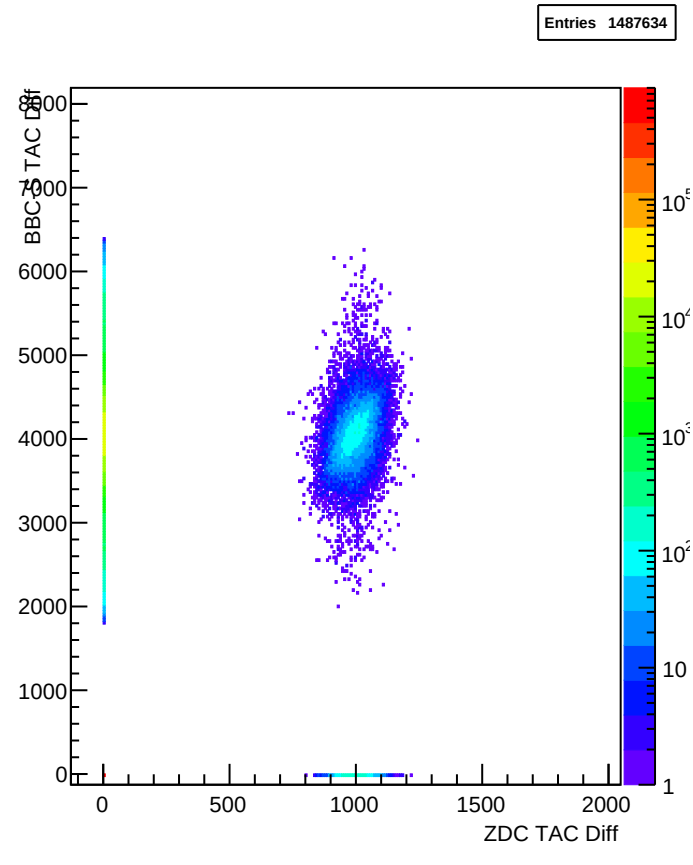

Entries 1487634
VPD-East ADC Sum
ZDC-East ADC Sum Att

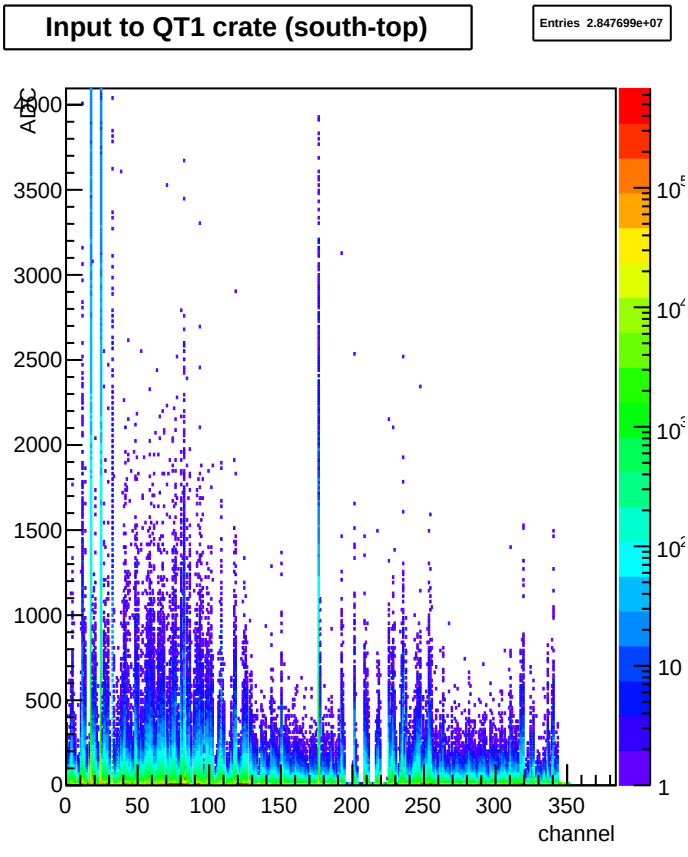

Entries 1487634
VPD-West ADC Sum
ZDC-West ADC Sum Att

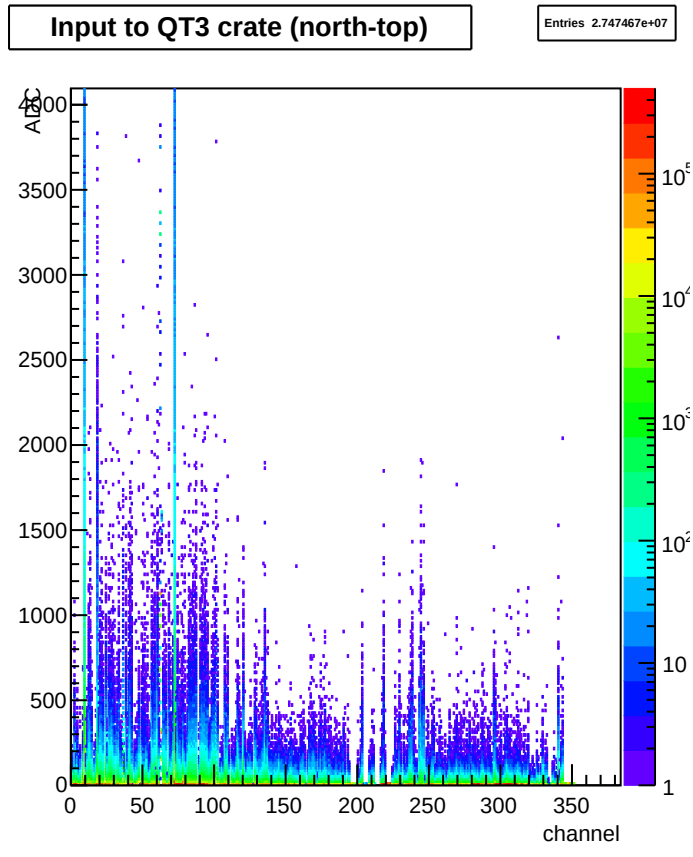

Entries 1487634
BBC-S-East ADC Sum
BBC-S-West ADC Sum

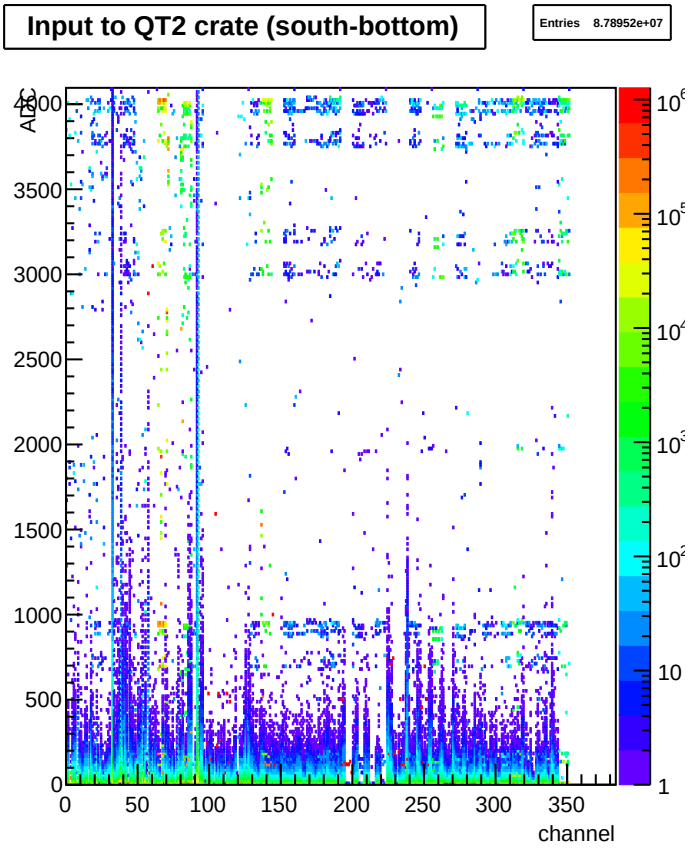

Entries 1487634
ZDC East ADC Sum Att
ZDC West ADC Sum Att

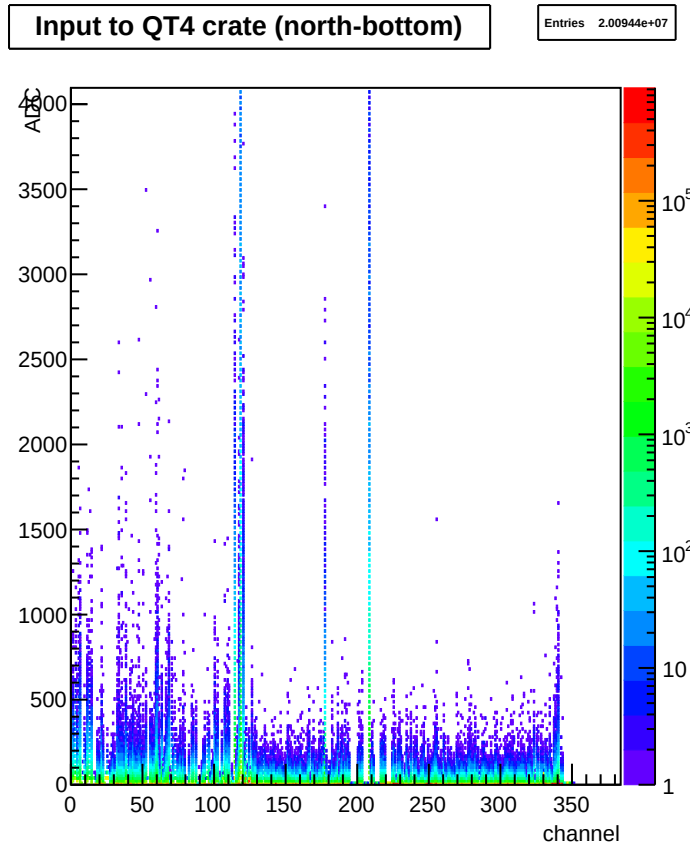

Entries 1487634
VPD East ADC Sum
VPD West ADC Sum

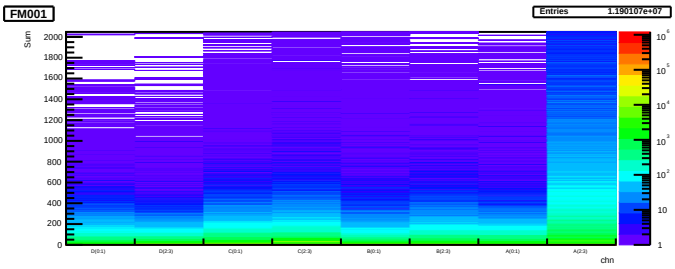

Entries 1487634
BBC-S TAC Diff
ZDC TAC Diff

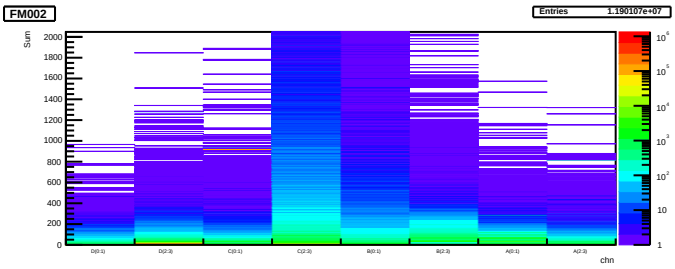

Input to QT1 crate (south-top)
Entries 2.847699e+07
ADC
channel

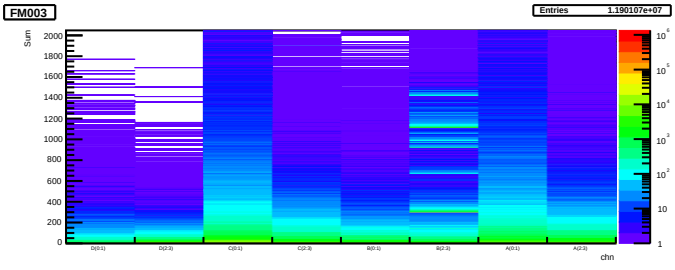

Input to QT3 crate (north-top)
Entries 2.747467e+07
ADC
channel

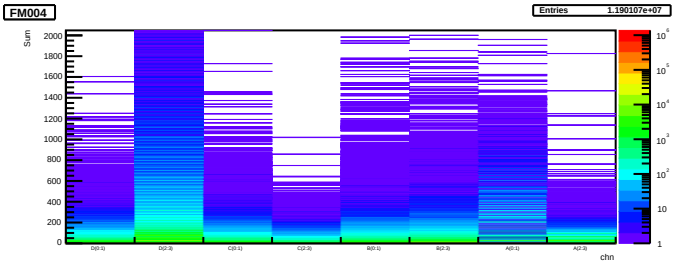

Input to QT2 crate (south-bottom)
Entries 8.78952e+07
ADC
channel

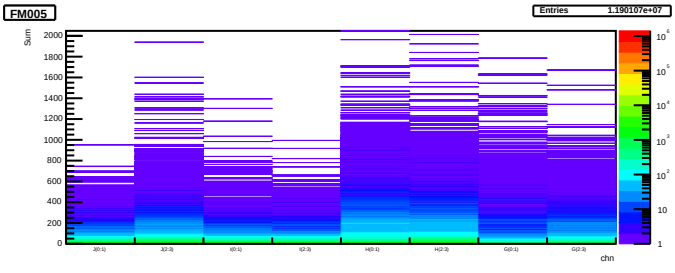

Input to QT4 crate (north-bottom)
Entries 2.00944e+07
ADC
channel

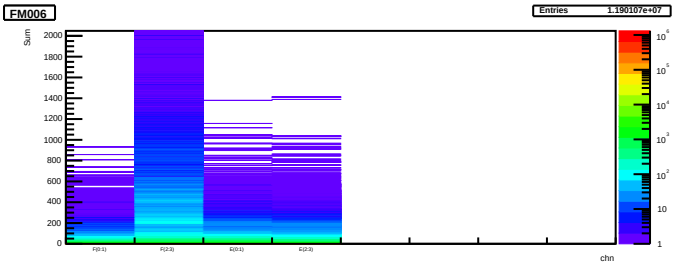

FM001
Entries 1.190107e+07
Sum
chn

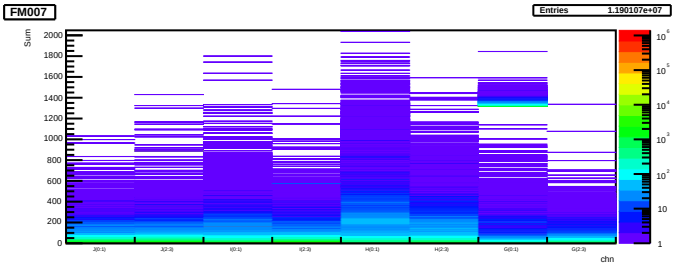

FM002
Entries 1.190107e+07
Sum
chn

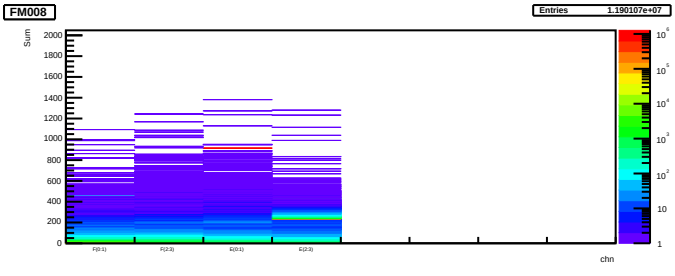

FM003
Entries 1.190107e+07
Sum
chn

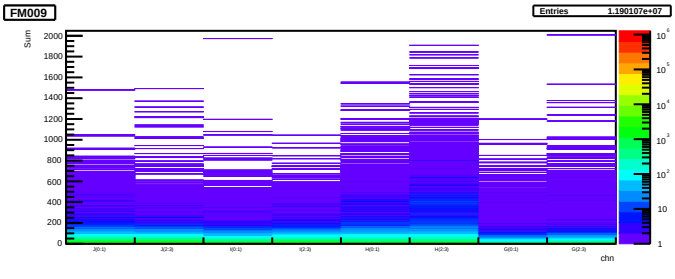

FM004
Entries 1.190107e+07
Sum
chn

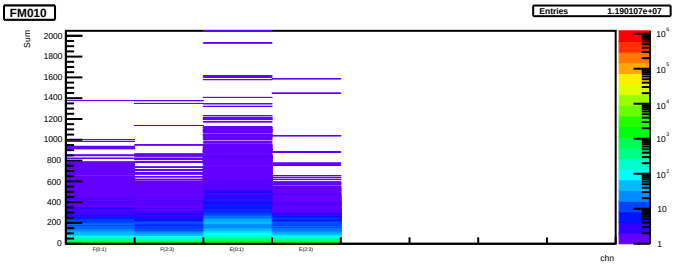

FM005
Entries 1.190107e+07
Sum
chn


FM006
Entries 1.190107e+07
Sum
chn


FM007
Entries 1.190107e+07
Sum
chn


FM008
Entries 1.190107e+07
Sum
chn


FM009
Entries 1.190107e+07
Sum
chn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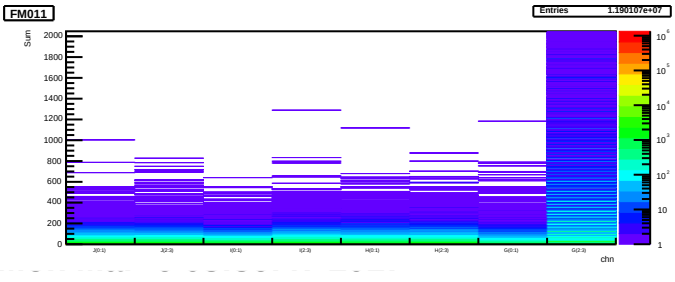
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Sum
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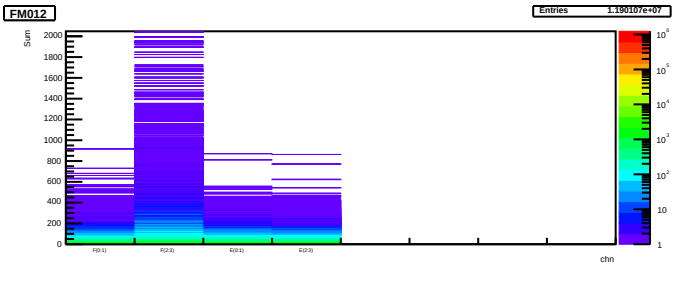
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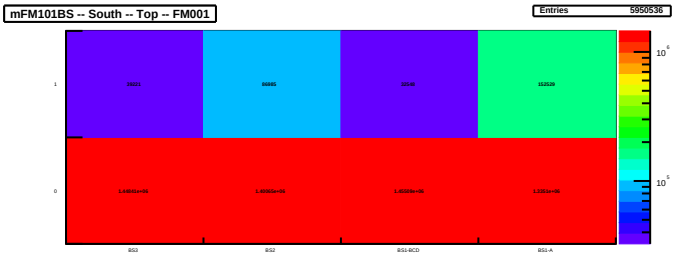
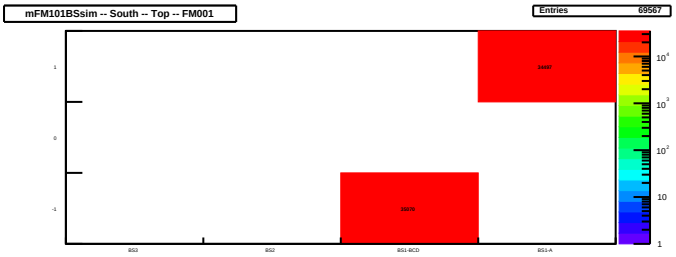

mFM101BS -- South -- Top -- FM001
Entries 5950536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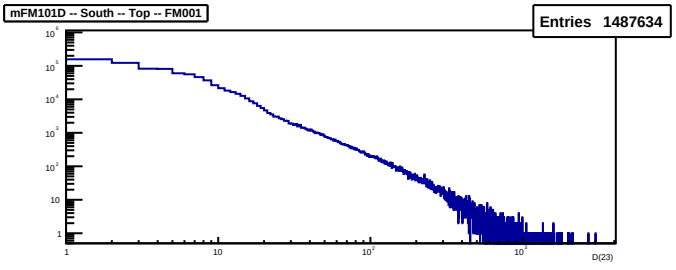
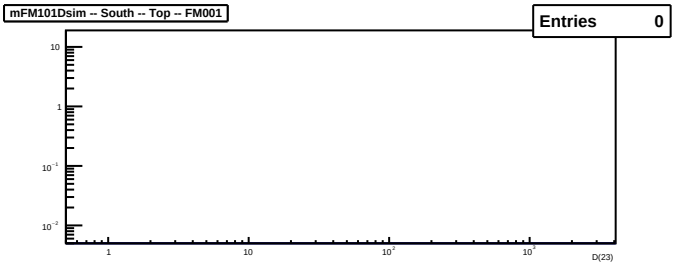
Entries 69567


mFM101D -- South -- Top -- FM001
Entries 1487634
D(23)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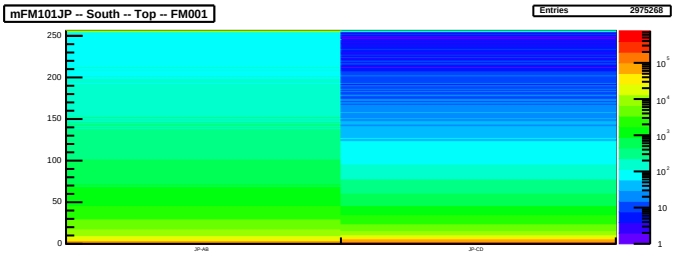
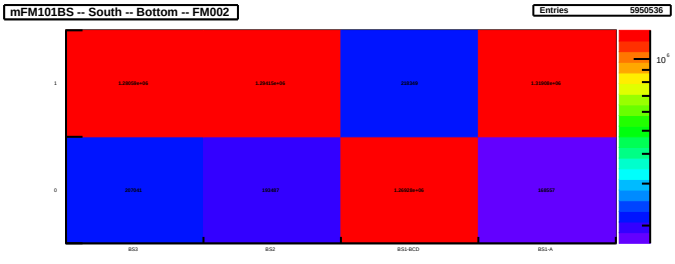
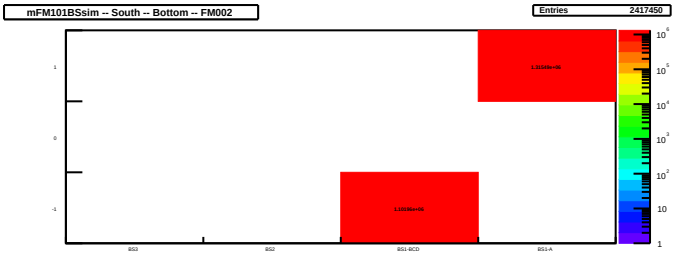
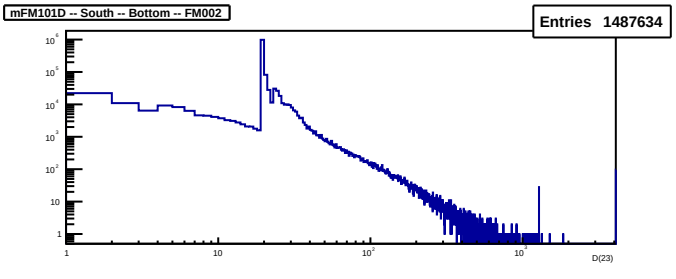
D(23)

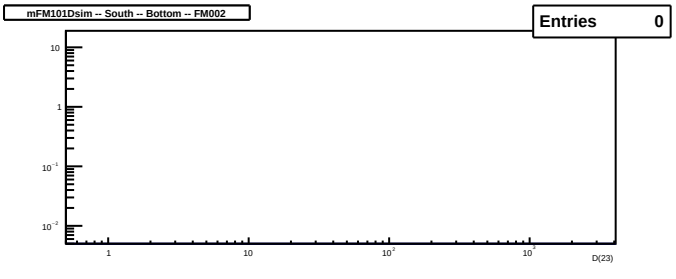

mFM101JP -- South -- Top -- FM001
Entries 2975268

mFM101JPsim -- South -- Top -- FM001
Entries 0


mFM101BS -- South -- Bottom -- FM002
Entries 5950536


mFM101BSsim -- South -- Bottom -- FM002
Entries 2417450


mFM101D -- South -- Bottom -- FM002
Entries 1487634
D(23)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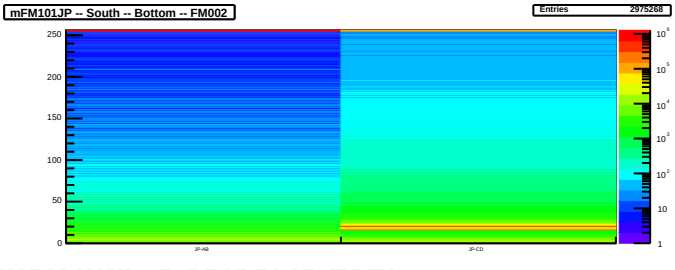
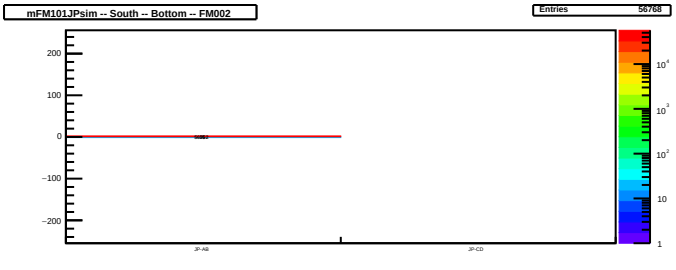
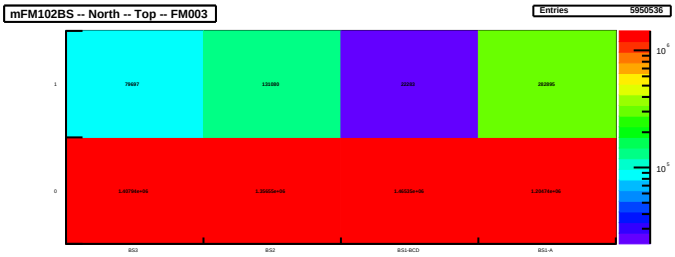
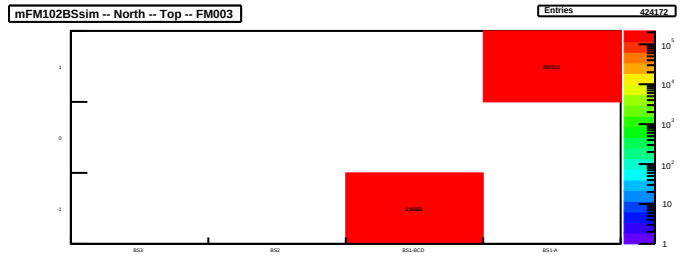
Entries 0
D(23)


mFM101JP -- South -- Bottom -- FM002
Entries 2975268


mFM101JPsim -- South -- Bottom -- FM002
Entries 56768


mFM102BS -- North -- Top -- FM003
Entries 5950536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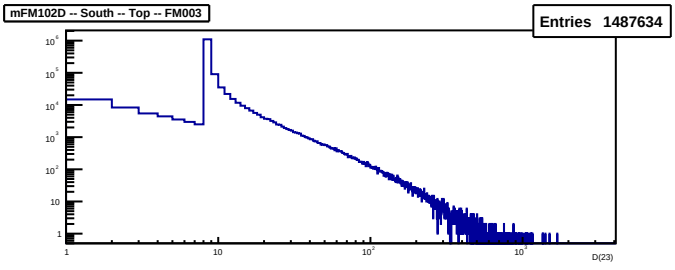
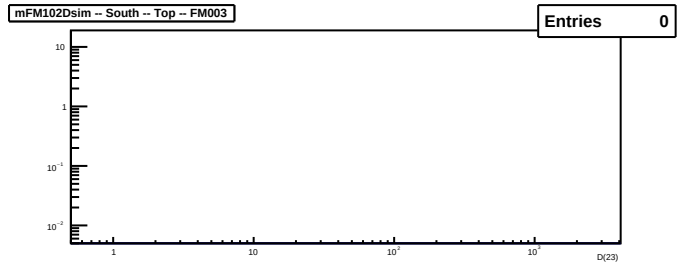

mFM102D -- South -- Top -- FM003
Entries 1487634
D(23)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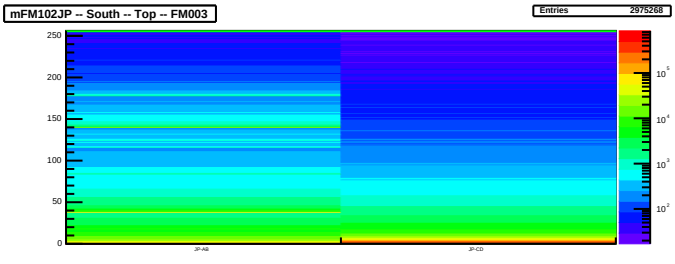
Entries 0
D(23)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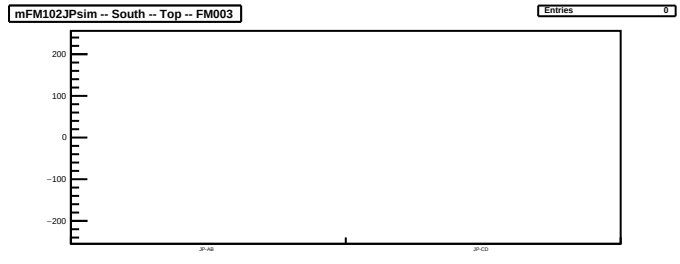
Entries 2975268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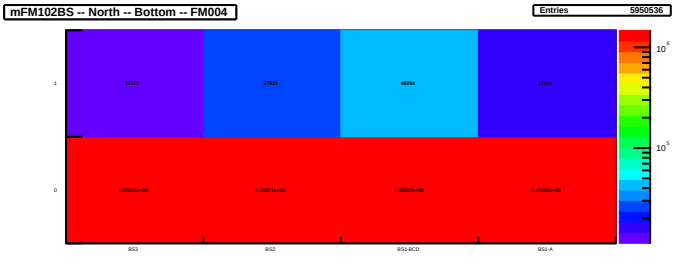
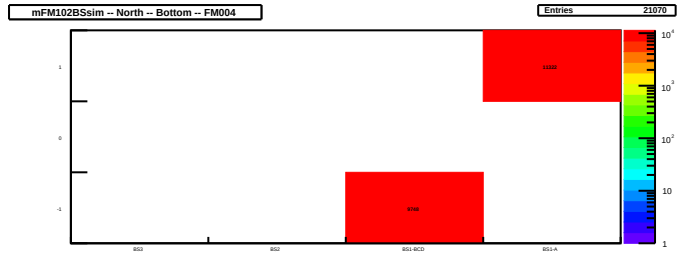
Entries 0


mFM102BS -- North -- Bottom -- FM004
Entries 5950536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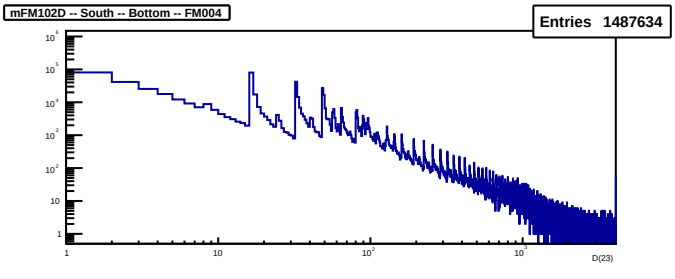
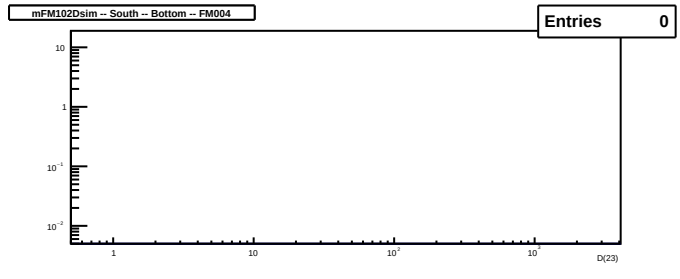
Entries 21070


mFM102D -- South -- Bottom -- FM004
Entries 1487634
D(23)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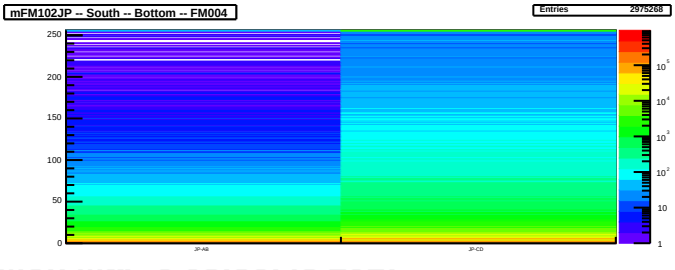
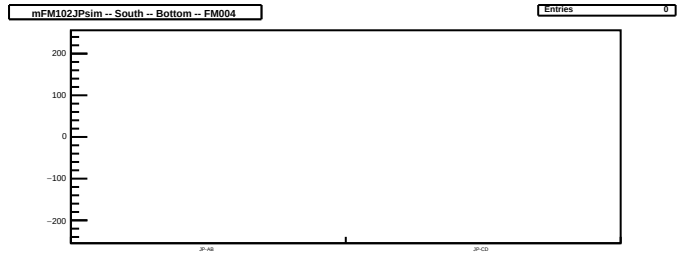
Entries 0
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 2975268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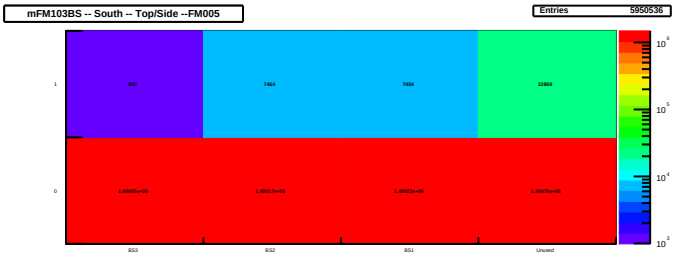
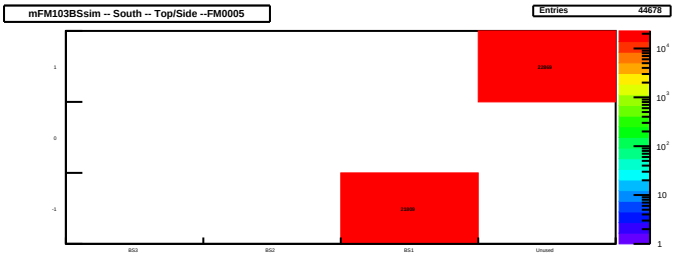
Entries 0


mFM103BS -- South -- Top/Side --FM005
Entries 5950536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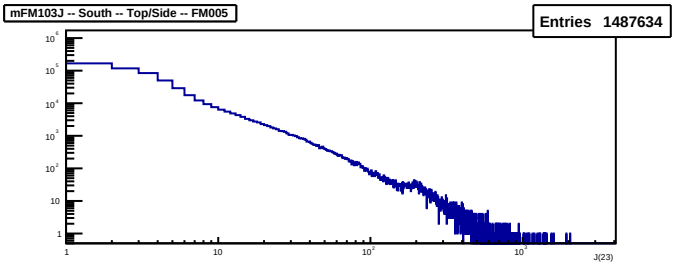
Entries 44678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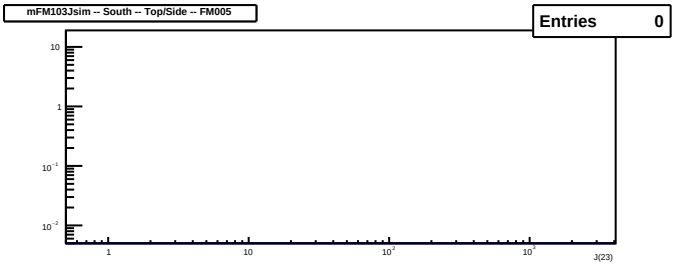
Entries 1487634
J(23)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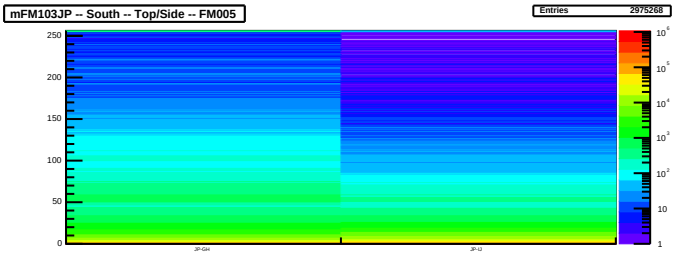
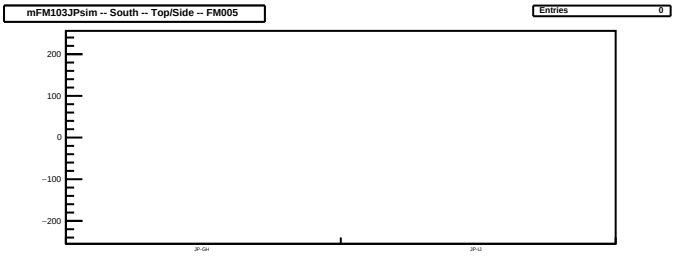
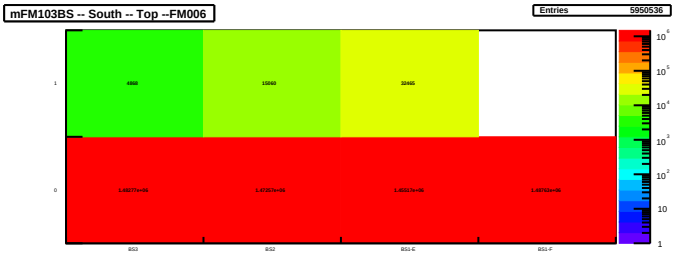
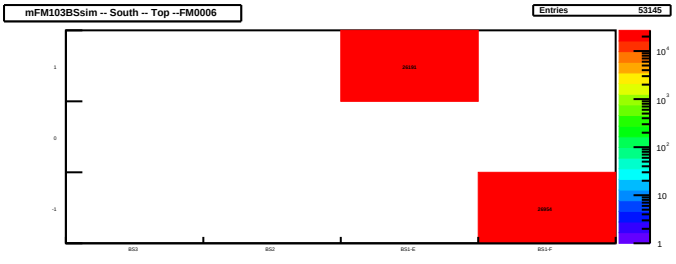
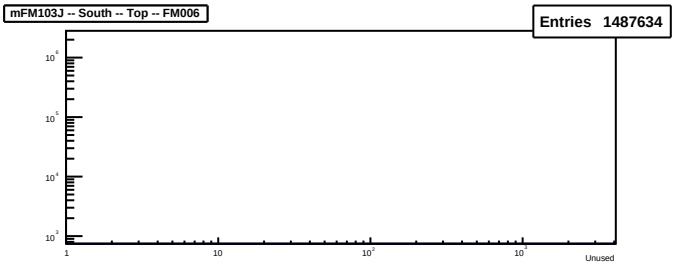
Entries 0
J(23)

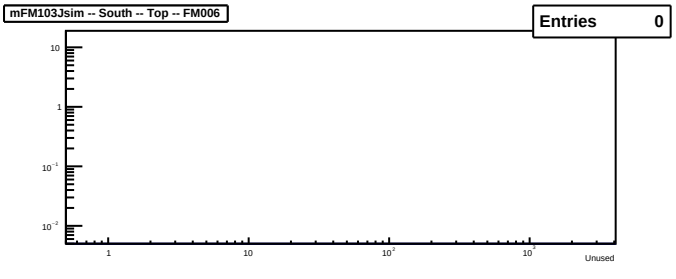

mFM103JP -- South -- Top/Side -- FM005
Entries 2975268

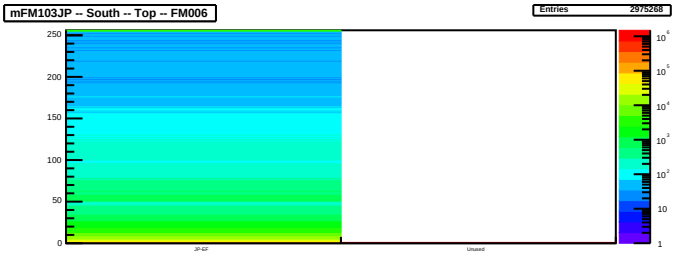

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0

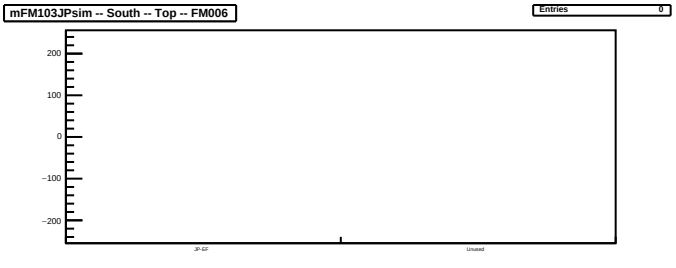

mFM103BS -- South -- Top --FM006
Entries 5950536

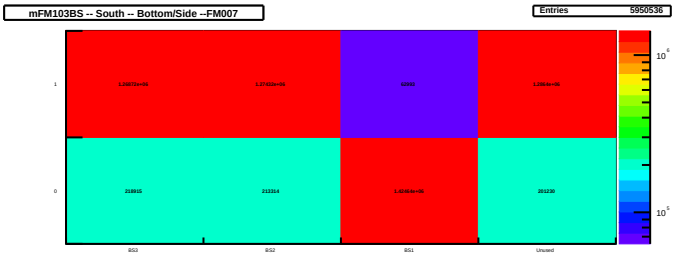

mFM103BSsim -- South -- Top --FM0006
Entries 53145

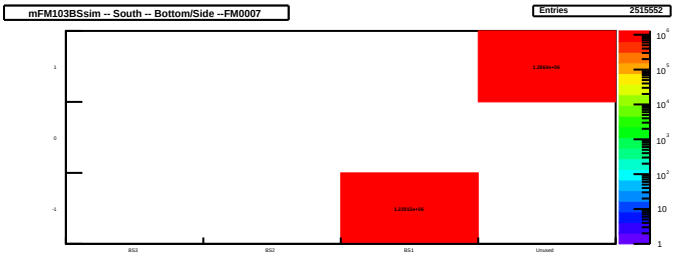

mFM103J -- South -- Top -- FM006
Entries 1487634
Unused


mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused


mFM103JP -- South -- Top -- FM006
Entries 2975268


mFM103JPsim -- South -- Top -- FM006
Entries 0


mFM103BS -- South -- Bottom/Side --FM007
Entries 5950536
BS3
BS2
BS1
Unused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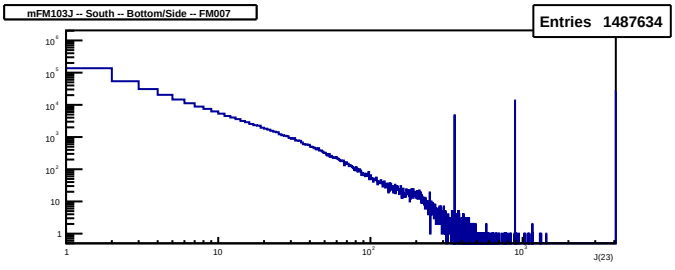
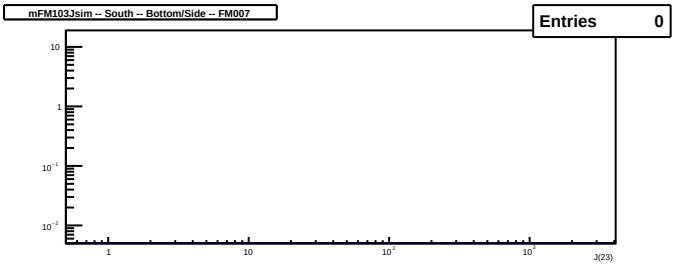
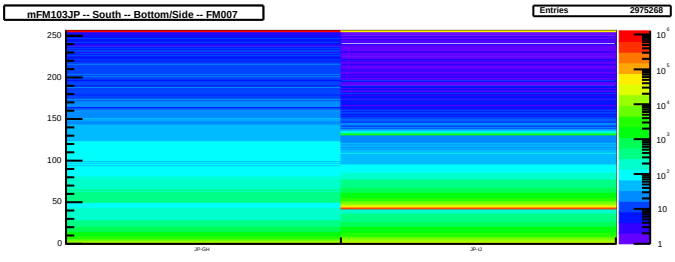
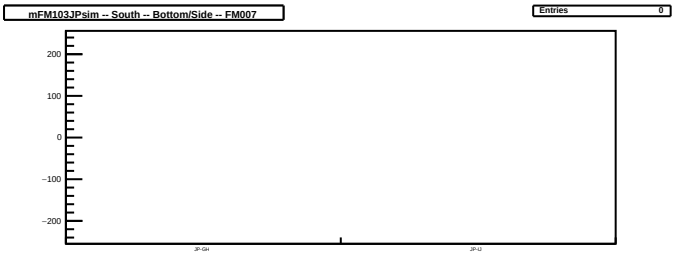
Entries 2515552
BS3
BS2
BS1
Unused


mFM103J -- South -- Bottom/Side -- FM007
Entries 1487634
J(23)


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


mFM103JP -- South -- Bottom/Side -- FM007
Entries 2975268
JP-GH
JP-IJ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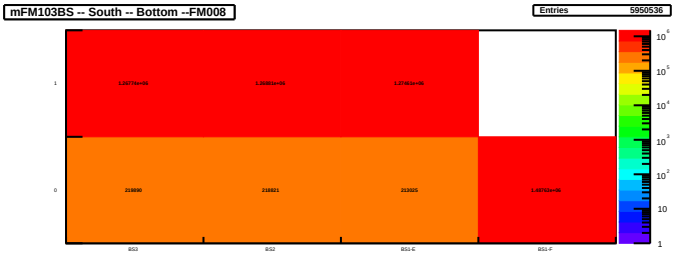
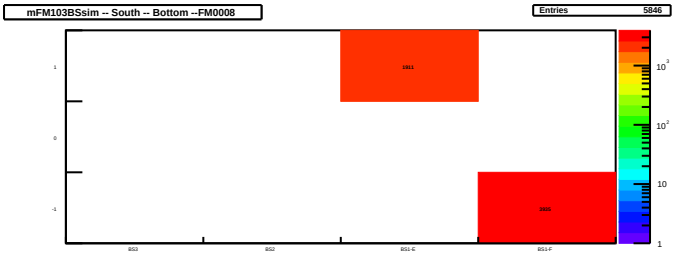
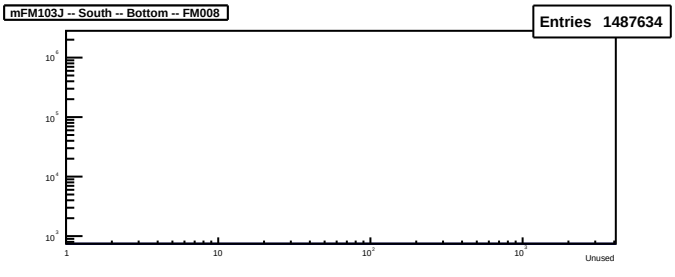
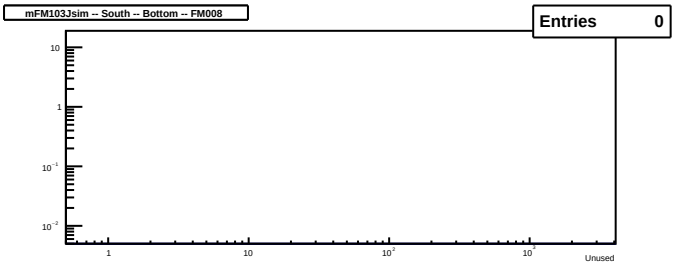
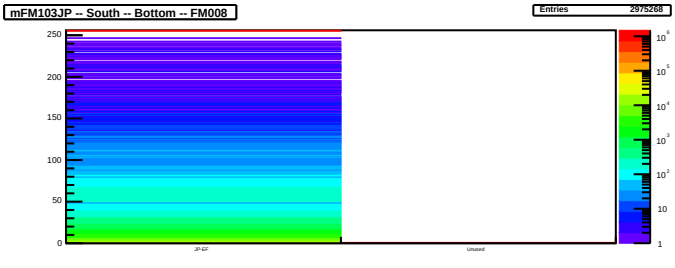
Entries 0
JP-GH
JP-IJ

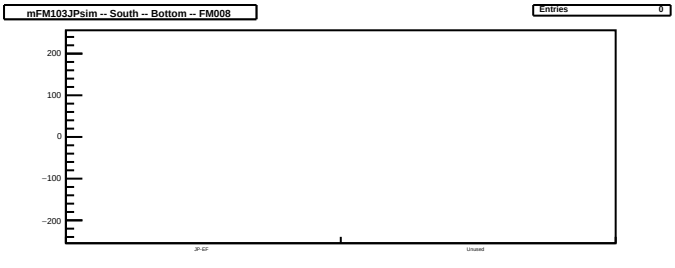

mFM103BS -- South -- Bottom --FM008
Entries 5950536
BS3
BS2
BS1-E
BS1-F

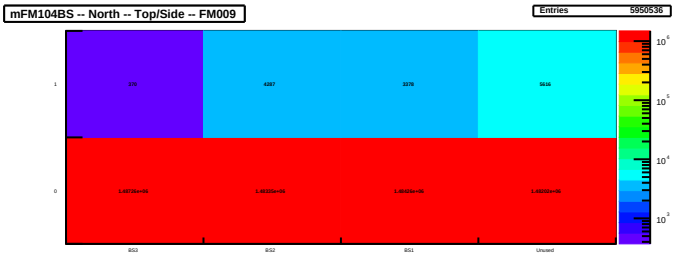

mFM103BSsim -- South -- Bottom --FM0008
Entries 5846
BS3
BS2
BS1-E
BS1-F

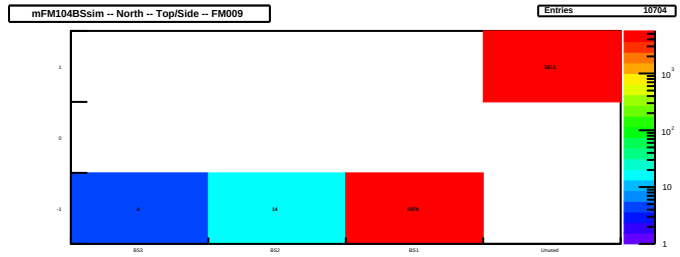

mFM103J -- South -- Bottom -- FM008
Entries 1487634
Unused

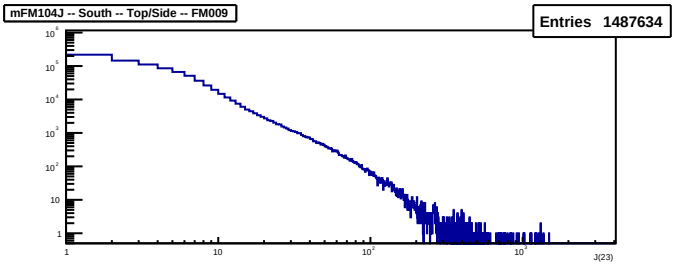

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

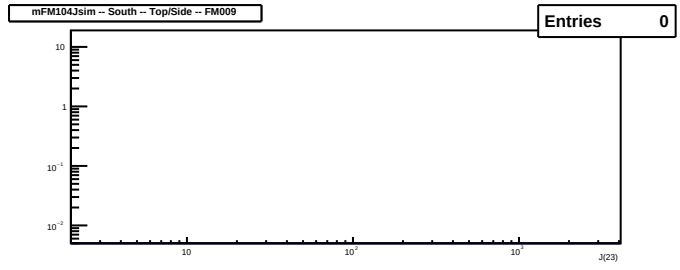

mFM103JP -- South -- Bottom -- FM008
Entries 2975268
JP-EF
Unused

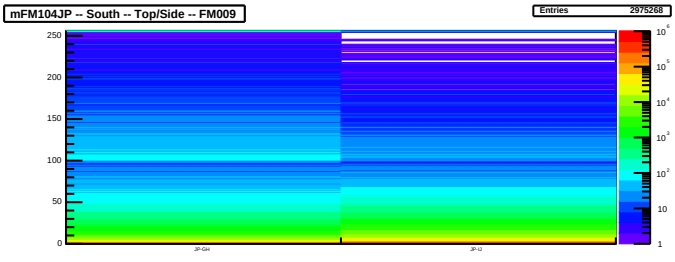

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

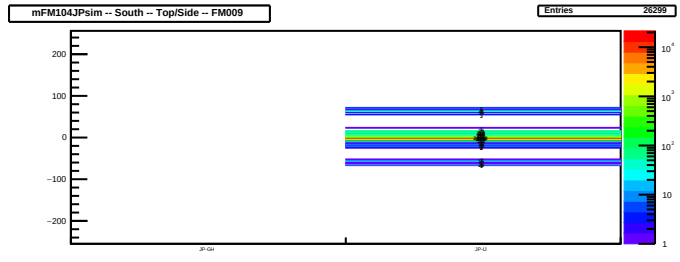

mFM104BS -- North -- Top/Side -- FM009
Entries 5950536
270
4287
3378
5616
1.48724e+06
1.49335e+06
1.48424e+06
1.48302e+06
BS3
BS2
BS1
Unused

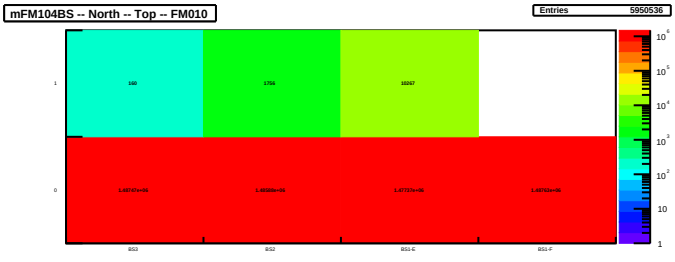

mFM104BSsim -- North -- Top/Side -- FM009
Entries 10704
5616
4
14
5070
BS3
BS2
BS1
Unused

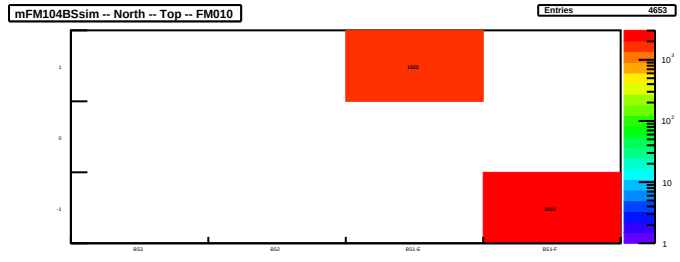

mFM104J -- South -- Top/Side -- FM009
Entries 1487634
J(23)

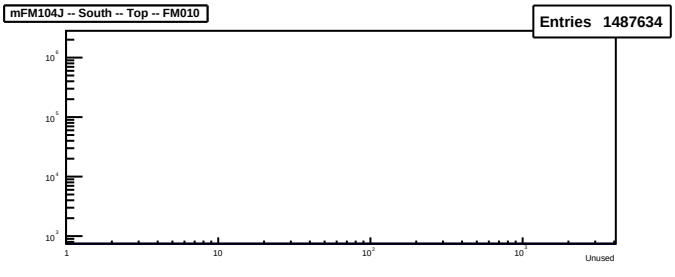

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

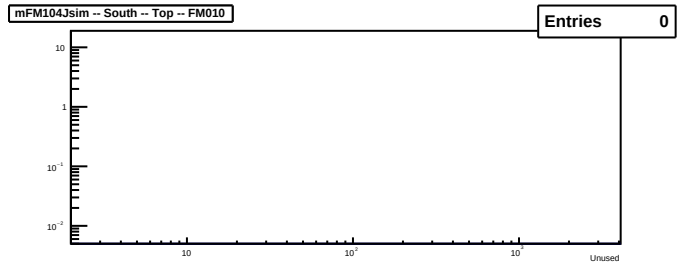

mFM104JP -- South -- Top/Side -- FM009
Entries 2975268
JP-GH
JP-IJ

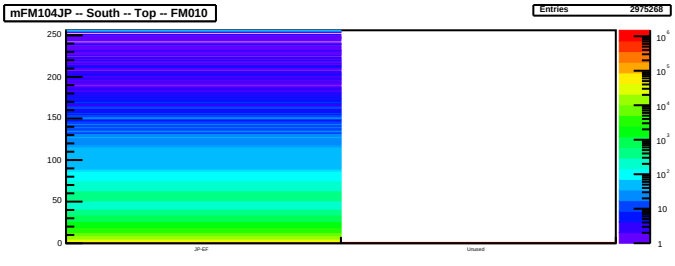

mFM104JPsim -- South -- Top/Side -- FM009
Entries 26299
JP-GH
JP-IJ


mFM104BS -- North -- Top -- FM010
Entries 5950536
146
1756
16267
1.48974e+06
1.49588e+06
1.47737e+06
1.48763e+06
BS3
BS2
BS1-E
BS1-F

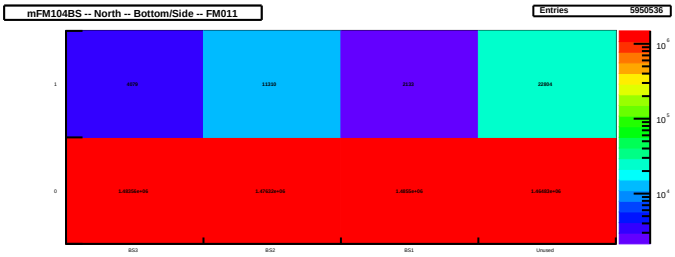

mFM104BSsim -- North -- Top -- FM010
Entries 4653
1622
3031
BS3
BS2
BS1-E
BS1-F

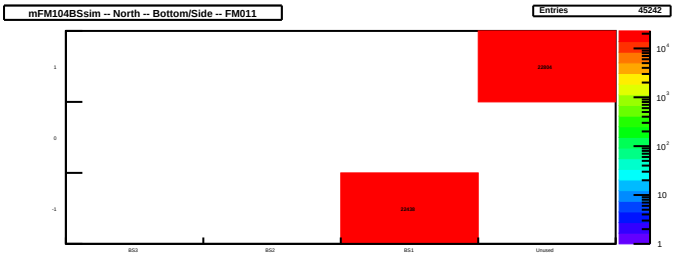

mFM104J -- South -- Top -- FM010
Entries 1487634
Unused

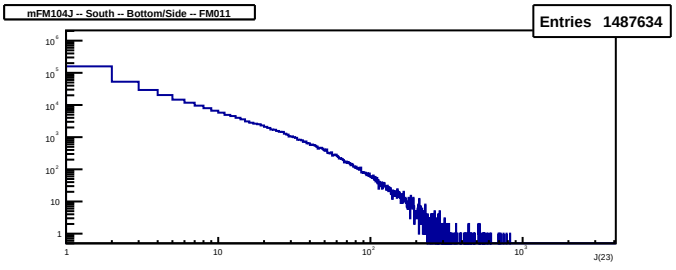

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

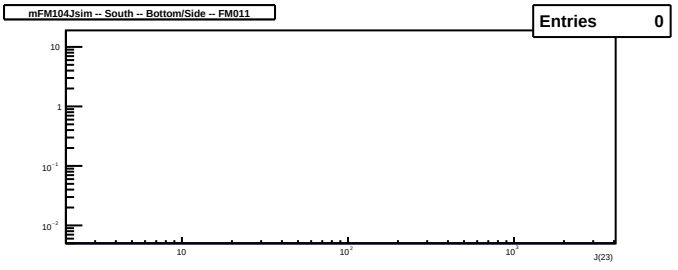

mFM104JP -- South -- Top -- FM010
Entries 2975268
JP-EF
Unused

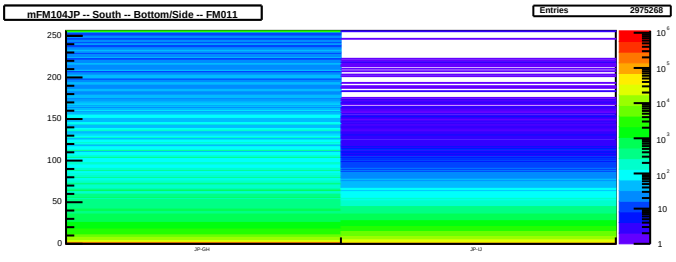
mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

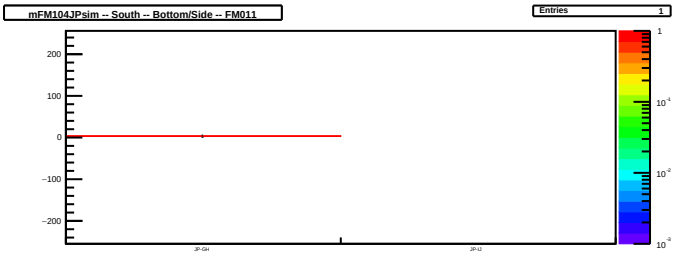

mFM104BS -- North -- Bottom/Side -- FM011
Entries 5950536

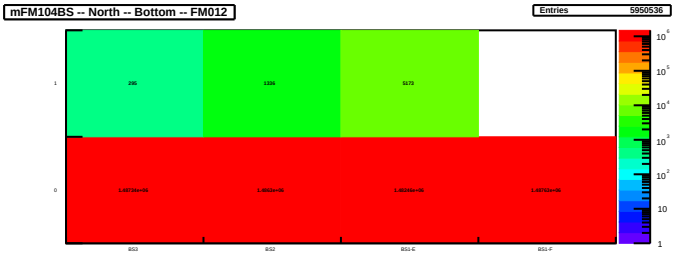

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 45242

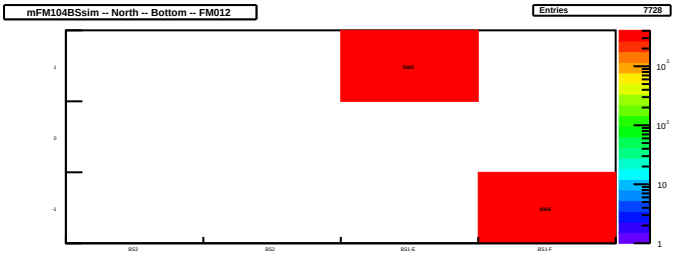

mFM104J -- South -- Bottom/Side -- FM011
Entries 1487634
J(23)

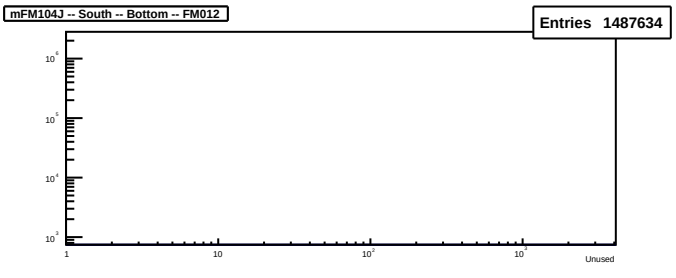

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

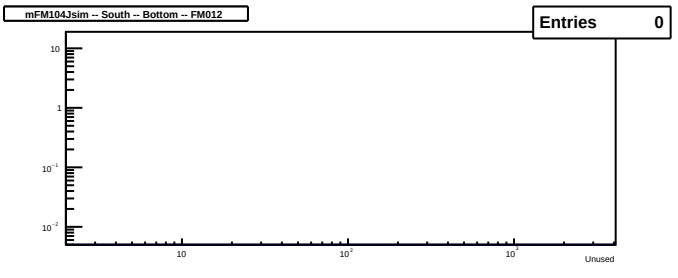

mFM104JP -- South -- Bottom/Side -- FM011
Entries 2975268

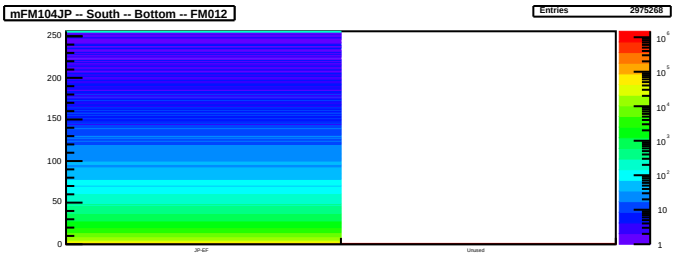

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 1


mFM104BS -- North -- Bottom -- FM012
Entries 5950536

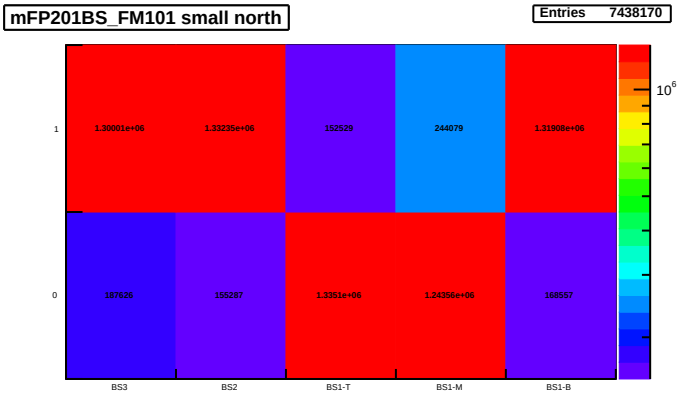

mFM104BSsim -- North -- Bottom -- FM012
Entries 7728

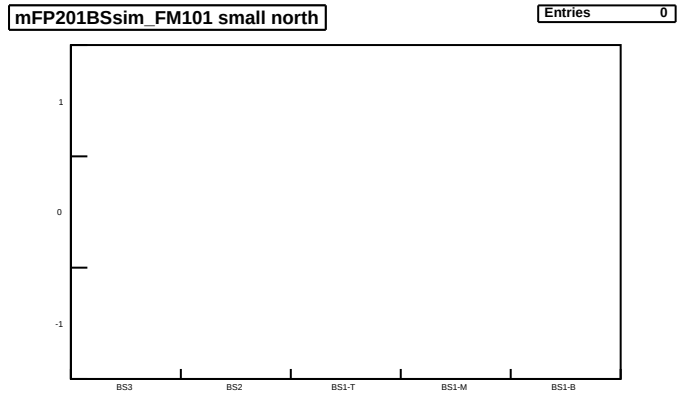

mFM104J -- South -- Bottom -- FM012
Entries 1487634
Unused

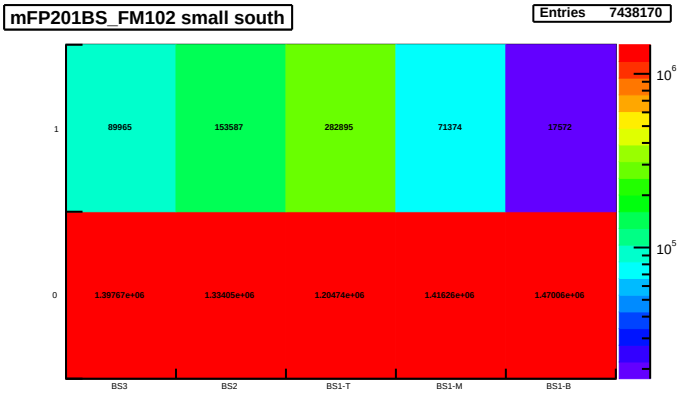

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

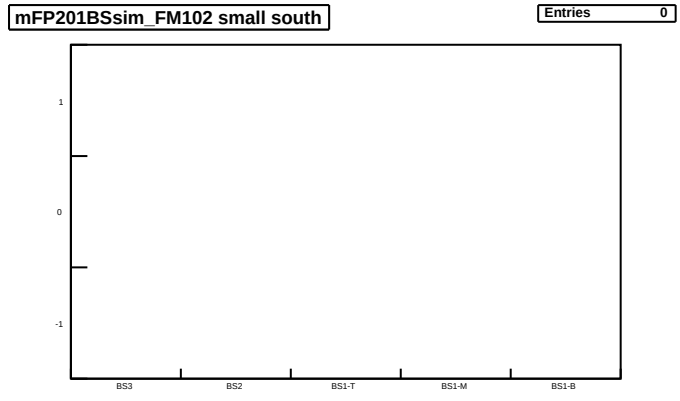

mFM104JP -- South -- Bottom -- FM012
Entries 2975268

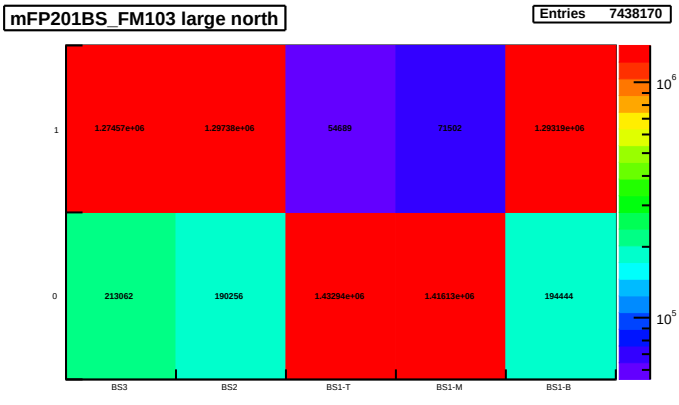
mFM104JPsim -- South -- Bottom -- FM012
Entries 0

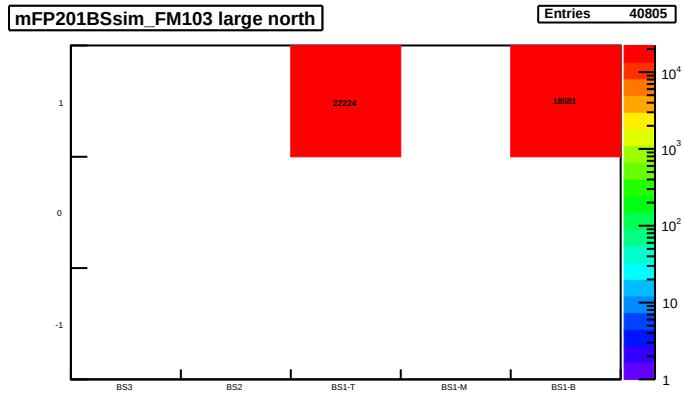

mFP201BS_FM101 small north
Entries 7438170
1.30001e+06
1.33235e+06
152529
244079
1.31908e+06
187626
155287
1.3351e+06
1.24356e+06
168557
BS3
BS2
BS1-T
BS1-M
BS1-B

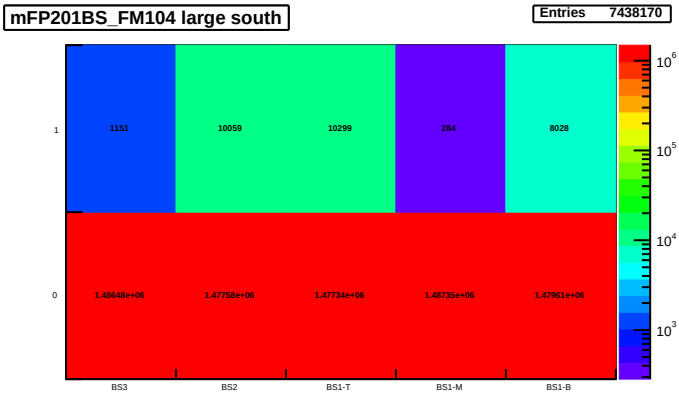

mFP201BSsim_FM101 small north
Entries 0
BS3
BS2
BS1-T
BS1-M
BS1-B

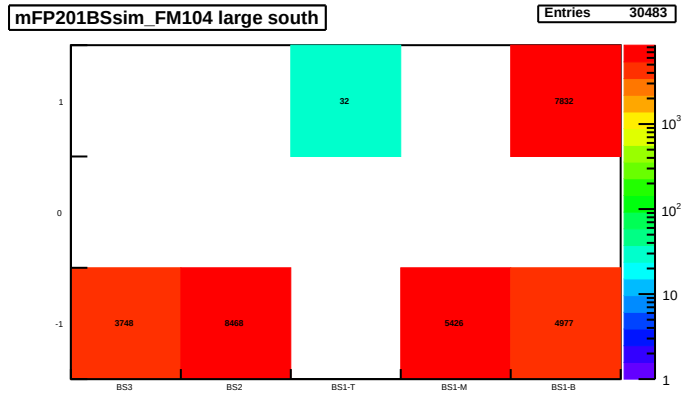

mFP201BS_FM102 small south
Entries 7438170
89965
153587
282895
71374
17572
1.39767e+06
1.33405e+06
1.20474e+06
1.41626e+06
1.47006e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

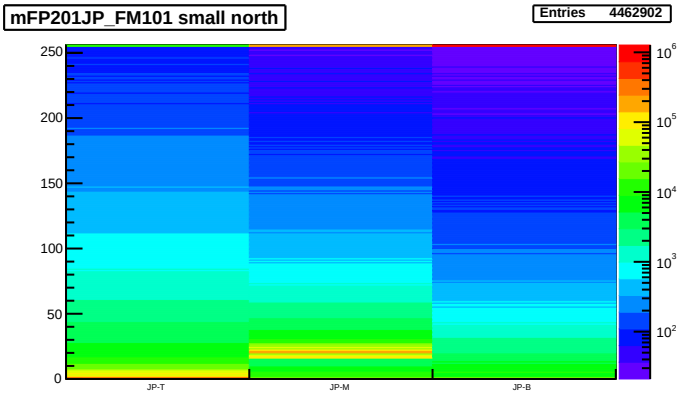

mFP201BSsim_FM102 small south
Entries 0
BS3
BS2
BS1-T
BS1-M
BS1-B

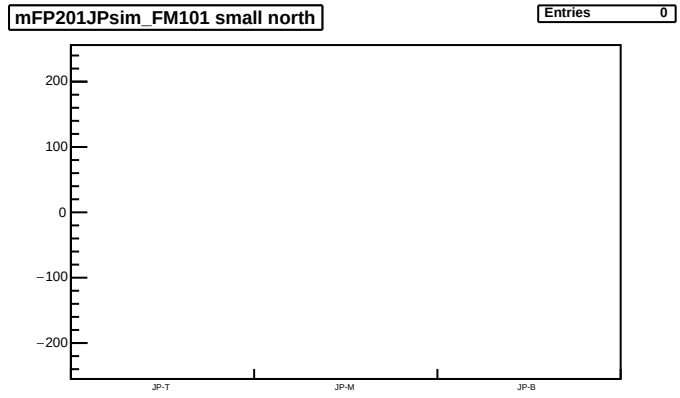

mFP201BS_FM103 large north
Entries 7438170
1.27457e+06
1.29738e+06
54689
71502
1.29319e+06
213062
190256
1.43294e+06
1.41613e+06
194444
BS3
BS2
BS1-T
BS1-M
BS1-B

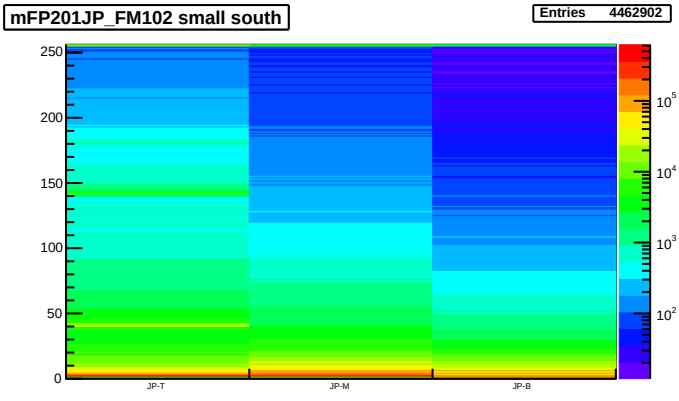

mFP201BSsim_FM103 large north
Entries 40805
22224
18581
BS3
BS2
BS1-T
BS1-M
BS1-B

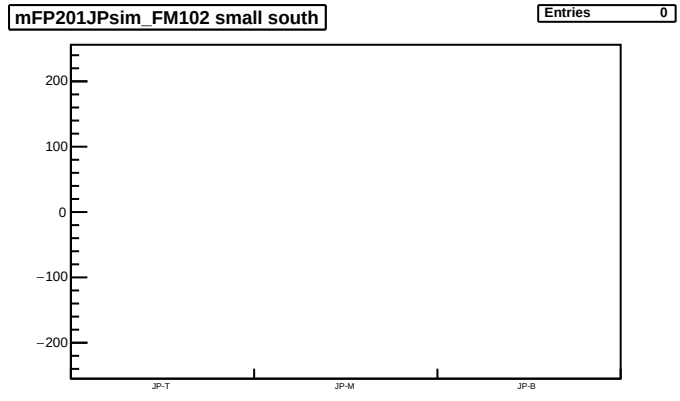

mFP201BS_FM104 large south
Entries 7438170
1151
10059
10299
284
8028
1.48648e+06
1.47758e+06
1.47734e+06
1.48735e+06
1.47961e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

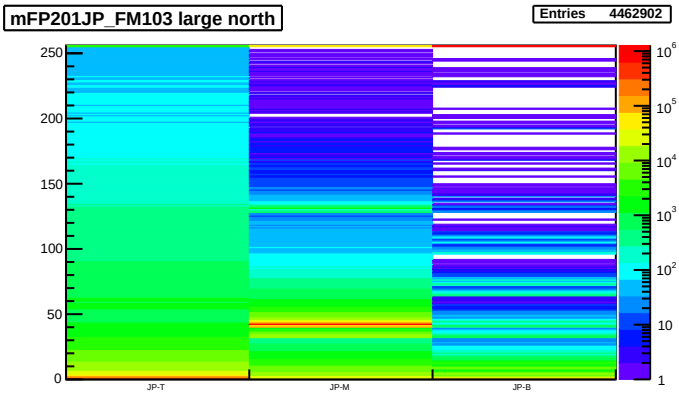

mFP201BSsim_FM104 large south
Entries 30483
32
7832
3748
8468
5426
4977
BS3
BS2
BS1-T
BS1-M
BS1-B

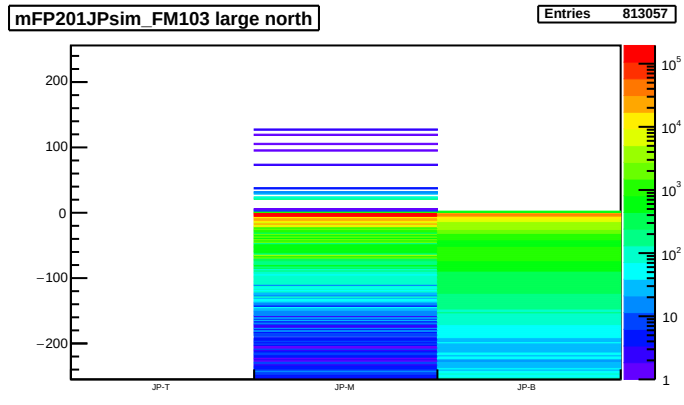

mFP201JP_FM101 small north
Entries 4462902
JP-T
JP-M
JP-B

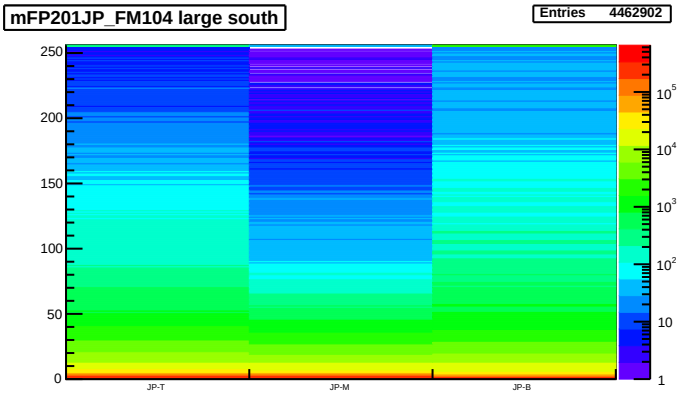

mFP201JPsim_FM101 small north
Entries 0
JP-T
JP-M
JP-B

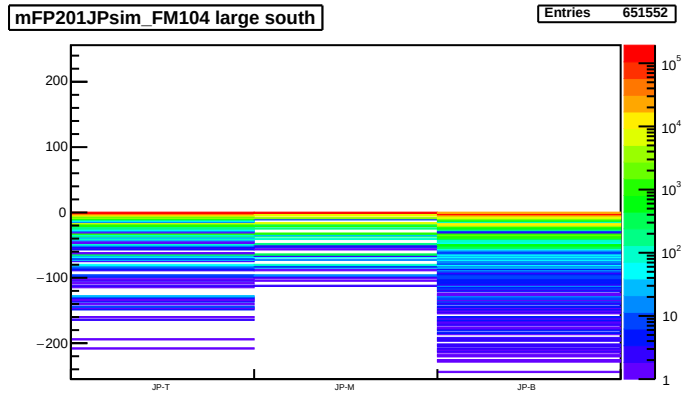

mFP201JP_FM102 small south
Entries 4462902
JP-T
JP-M
JP-B

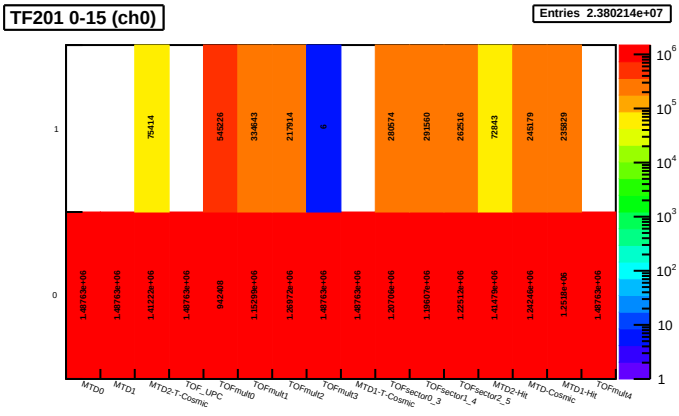

mFP201JPsim_FM102 small south
Entries 0
JP-T
JP-M
JP-B

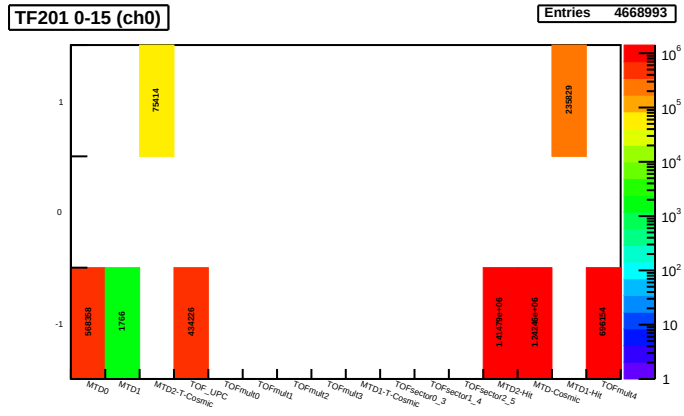

mFP201JP_FM103 large north
Entries 4462902
JP-T
JP-M
JP-B

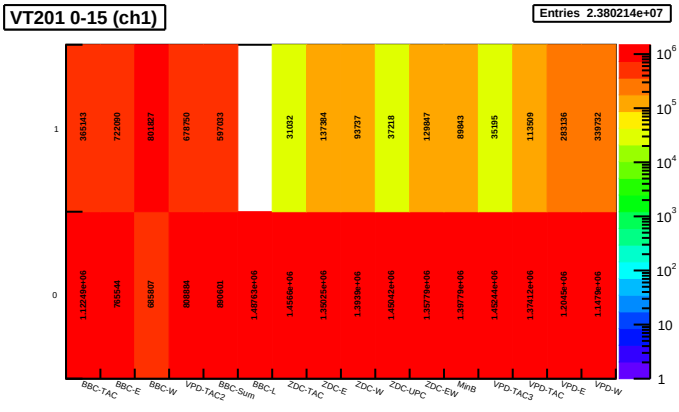

mFP201JPsim_FM103 large north
Entries 813057
JP-T
JP-M
JP-B

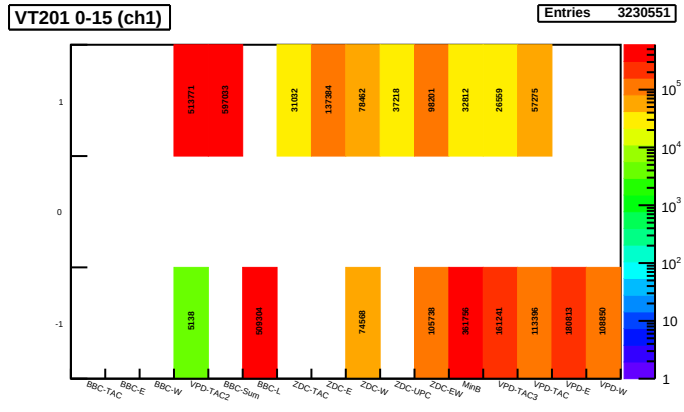

mFP201JP_FM104 large south
Entries 4462902
JP-T
JP-M
JP-B

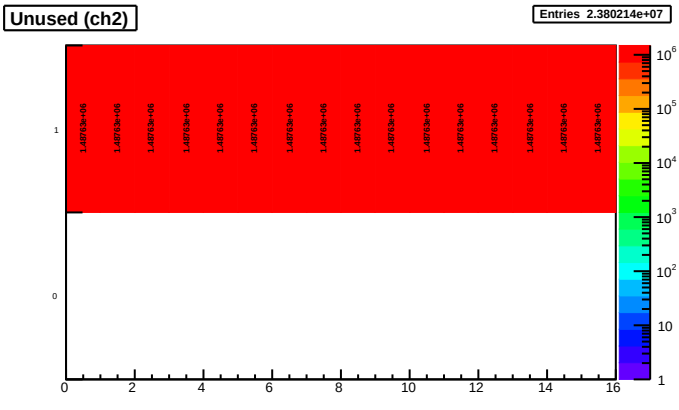

mFP201JPsim_FM104 large south
Entries 651552
JP-T
JP-M
JP-B

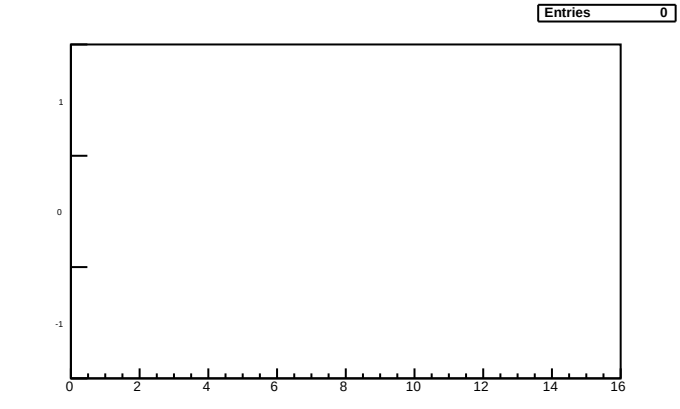

TF201 0-15 (ch0)
Entries 2.380214e+07
MTD0
MTD1
MTD2-T-Cosmic
TOF-UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

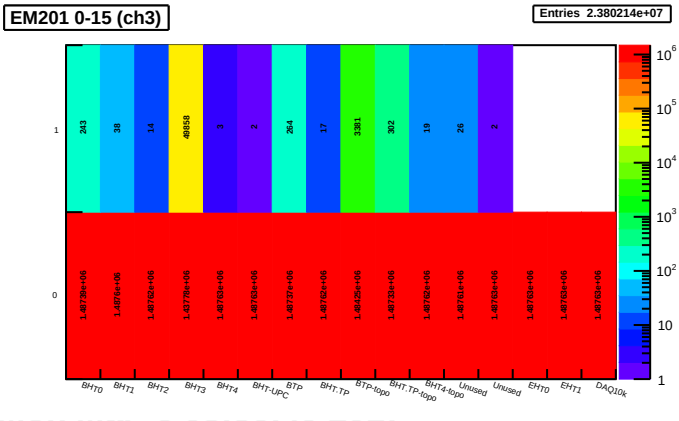

TF201 0-15 (ch0)
Entries 4668993
MTD0
MTD1
MTD2-T-Cosmic
TOF-UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

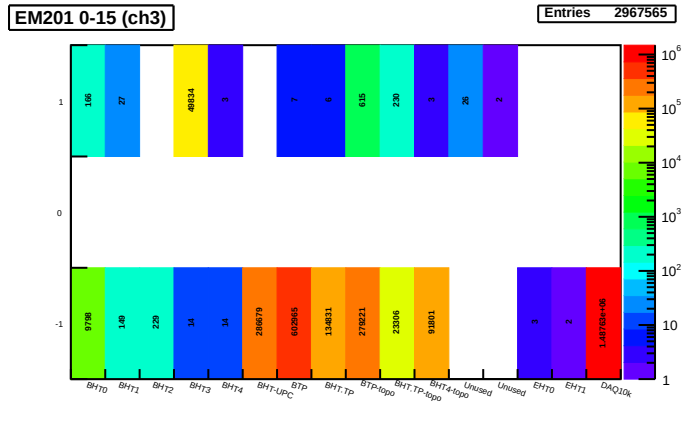

VT201 0-15 (ch1)
Entries 2.380214e+07
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W


VT201 0-15 (ch1)
Entries 3230551
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

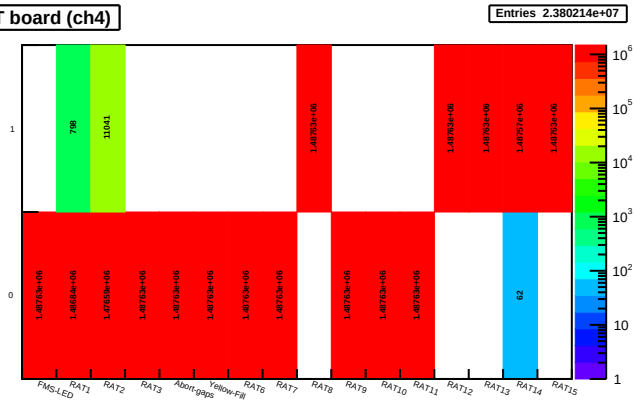

Unused (ch2)
Entries 2.380214e+07

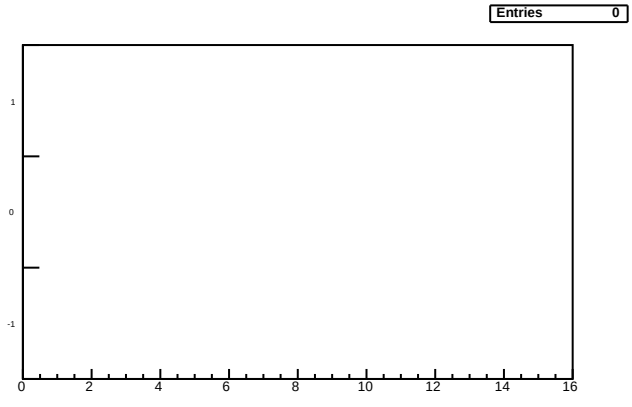

Entries 0


EM201 0-15 (ch3)
Entries 2.380214e+07
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT-TP
BTP-topo
BHT-TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

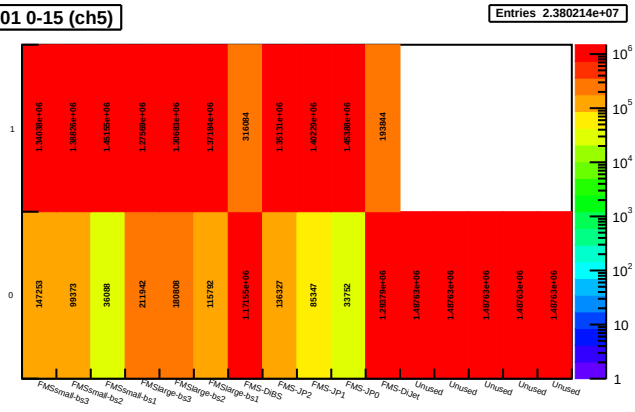

EM201 0-15 (ch3)
Entries 2967565
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT-TP
BTP-topo
BHT-TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

## RAT board (ch4)

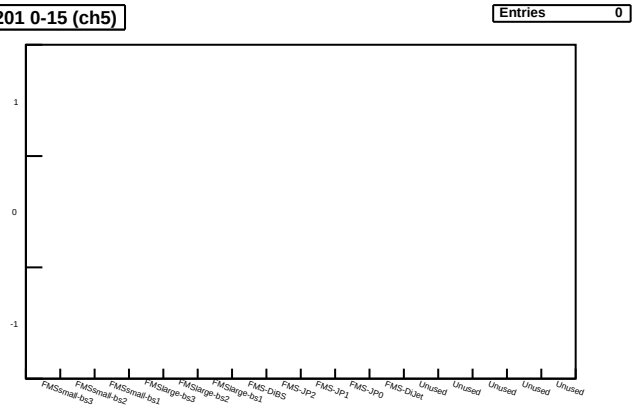


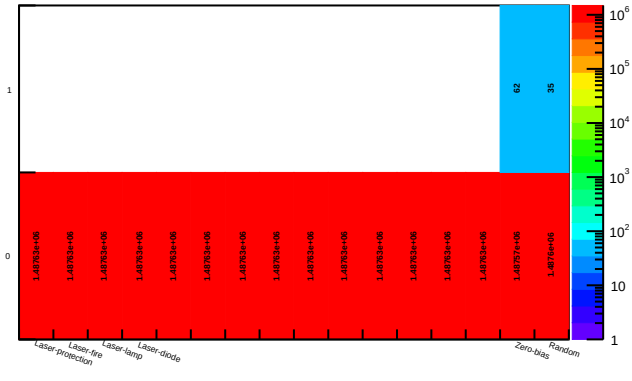

## FP201 0-15 (ch5)

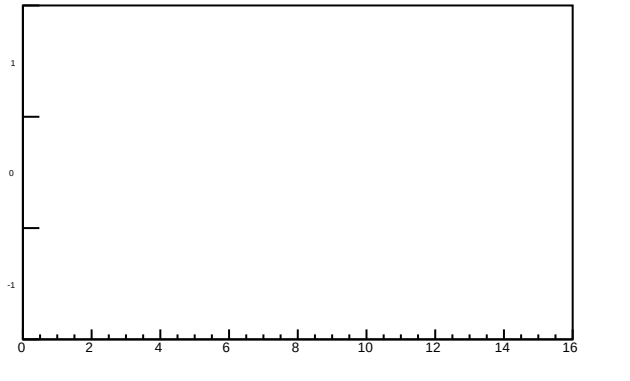


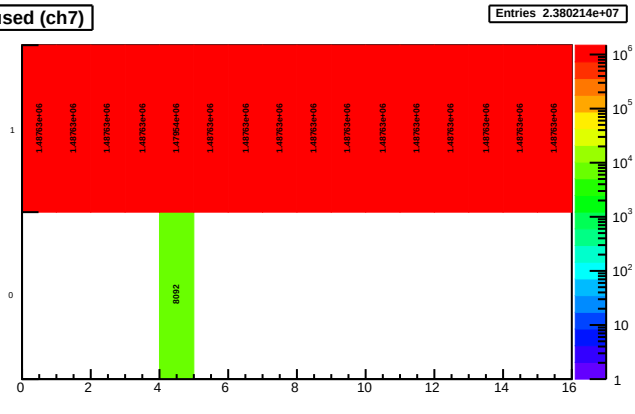
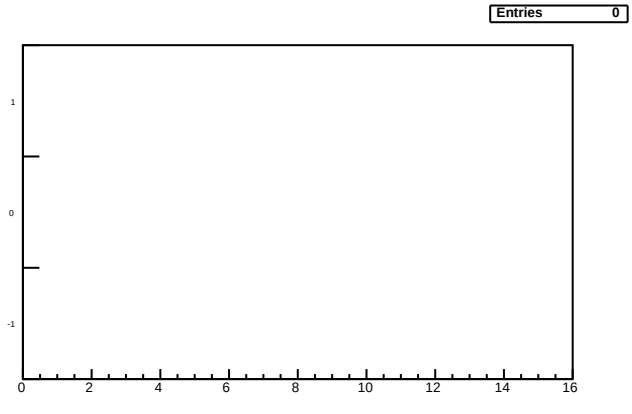

## FP201 0-15 (ch5)




## ST201 0-15 (ch6)




## Unused (ch7)