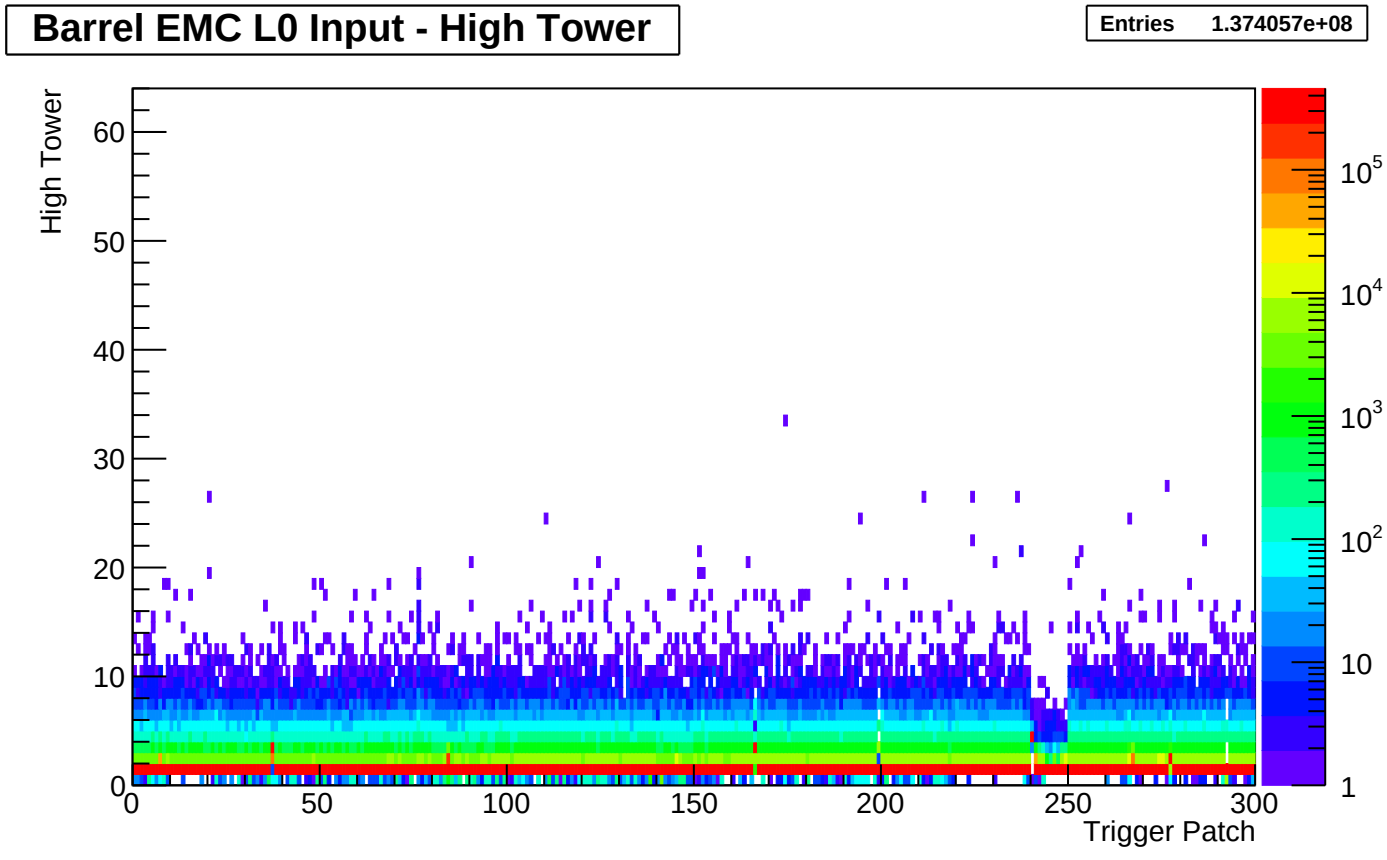
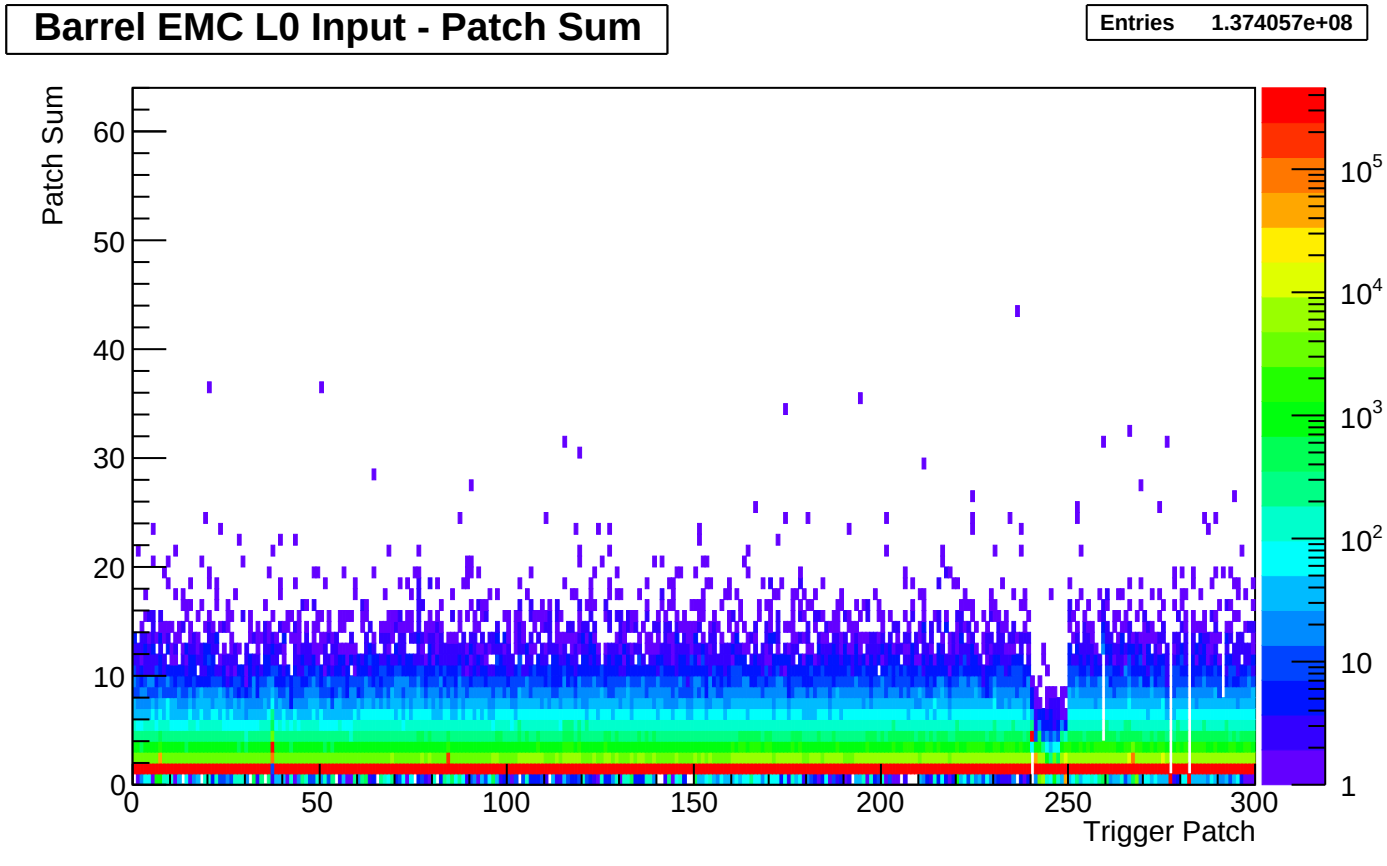
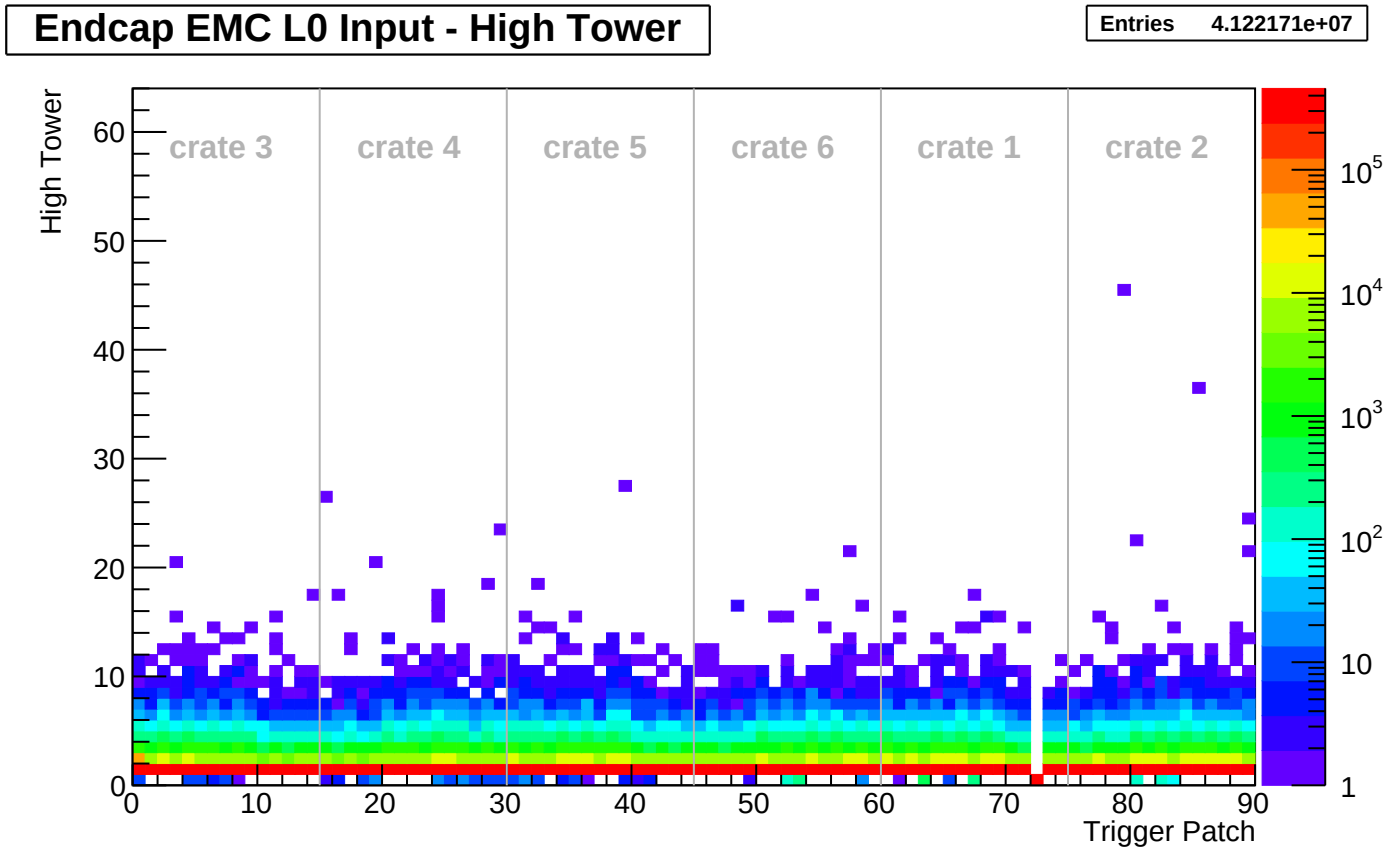
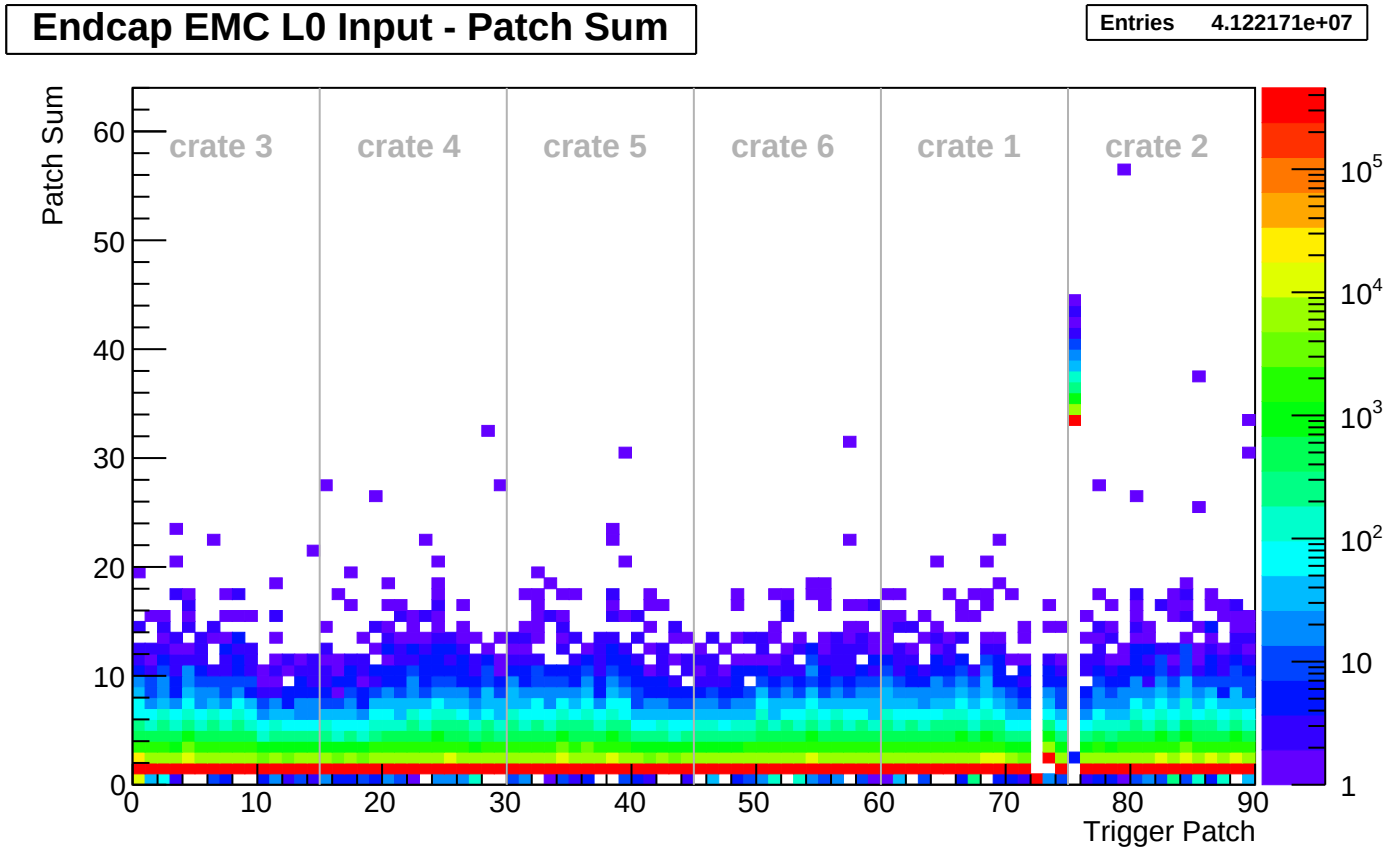
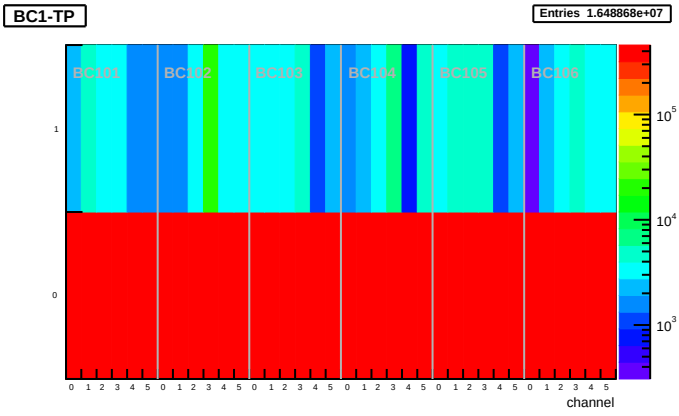
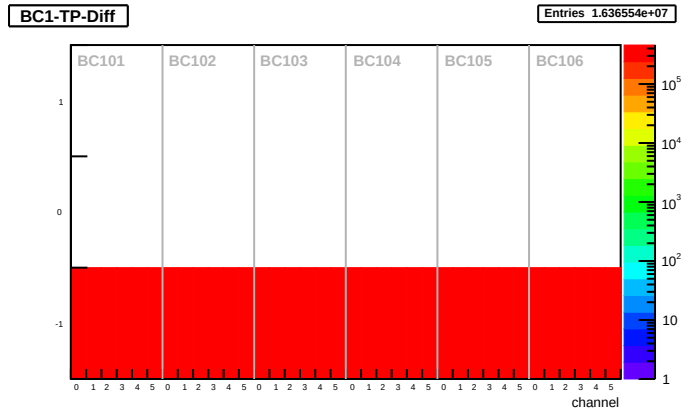

Barrel EMC L0 Input - High Tower
Entries 1.374057e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

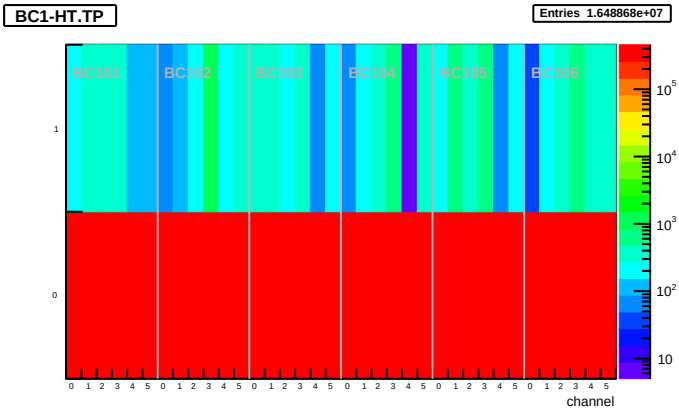

Barrel EMC L0 Input - Patch Sum
Entries 1.374057e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
$10^2$
$10^3$
$10^4$
$10^5$

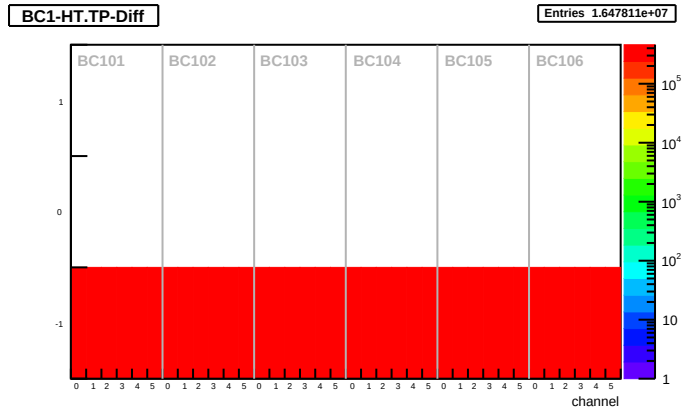

Endcap EMC L0 Input - High Tower
Entries 4.122171e+07
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

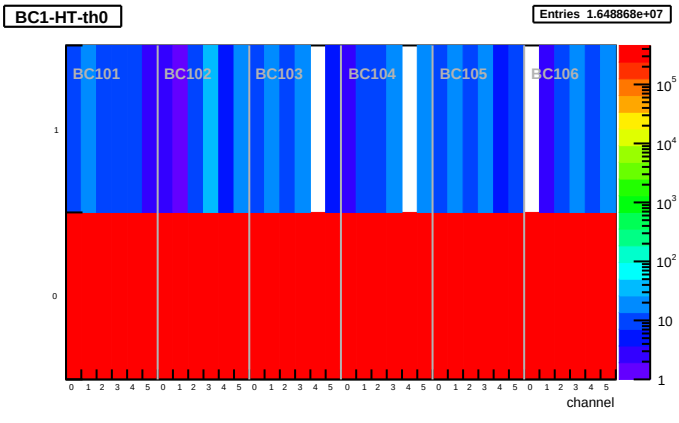

Endcap EMC L0 Input - Patch Sum
Entries 4.122171e+07
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

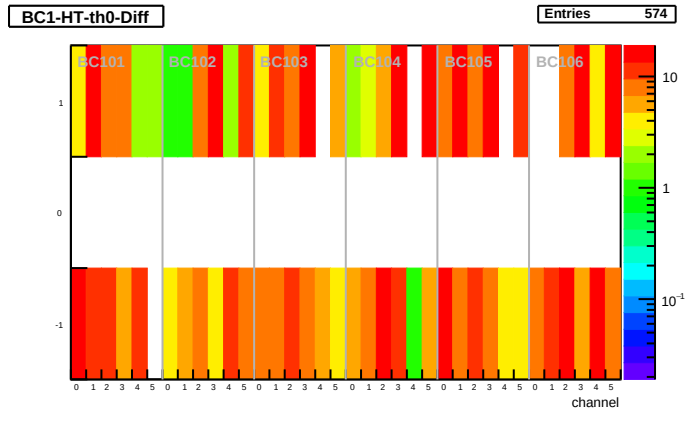

BC1-TP
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

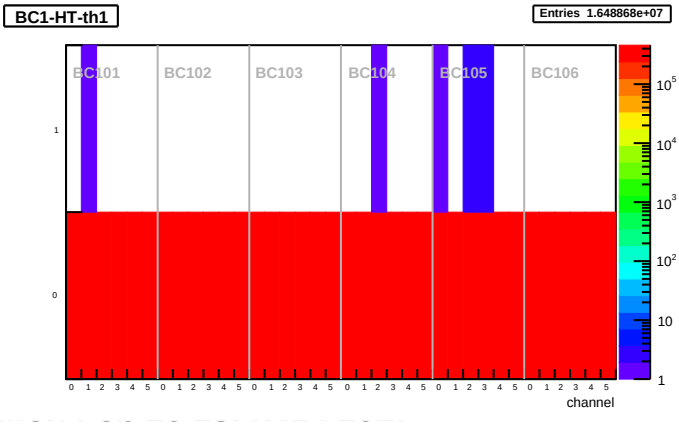

BC1-TP-Diff
Entries 1.636554e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

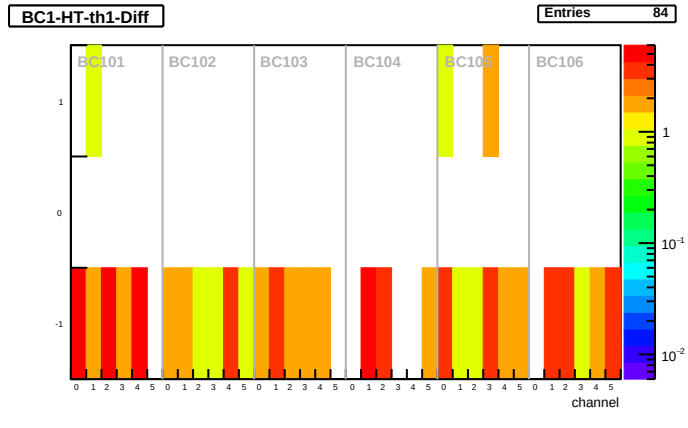

BC1-HT.TP
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

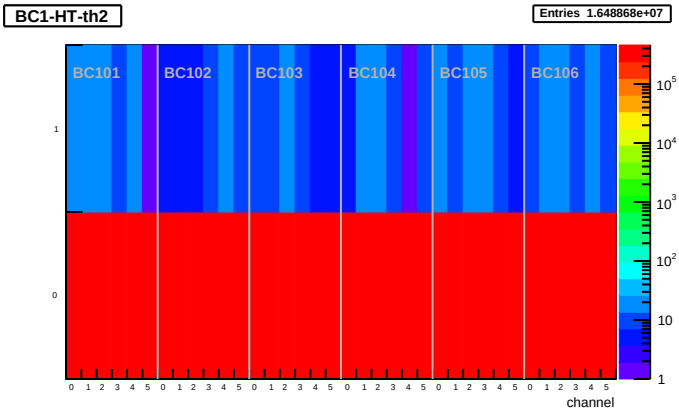

BC1-HT.TP-Diff
Entries 1.647811e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

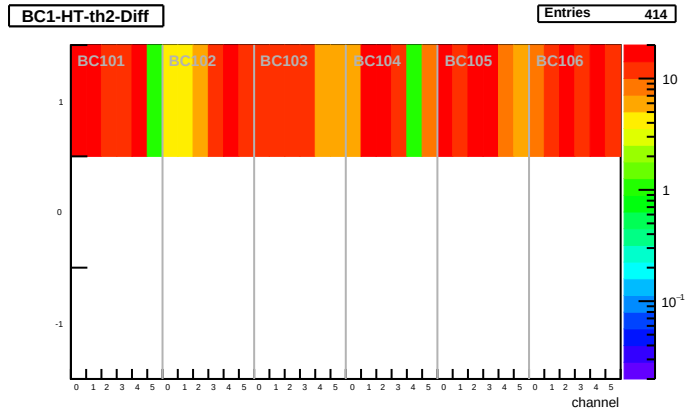

BC1-HT-th0
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

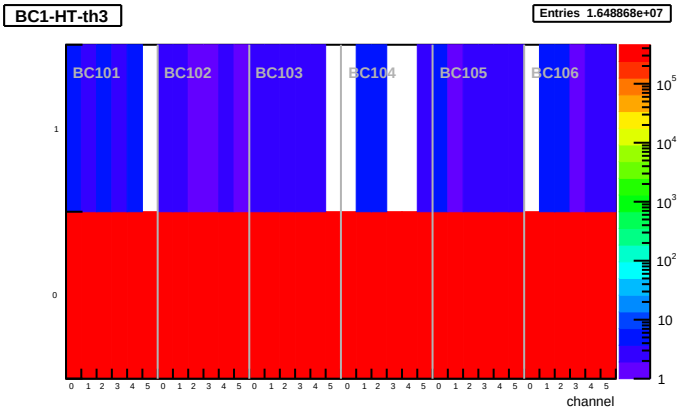

BC1-HT-th0-Diff
Entries 574
BC101
BC102
BC103
BC104
BC105
BC106
channel

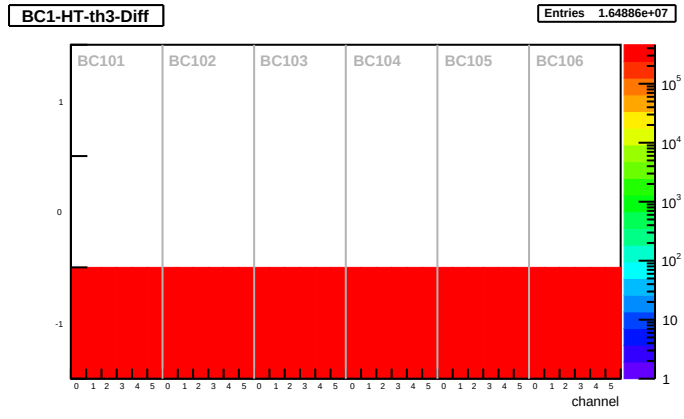

BC1-HT-th1
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

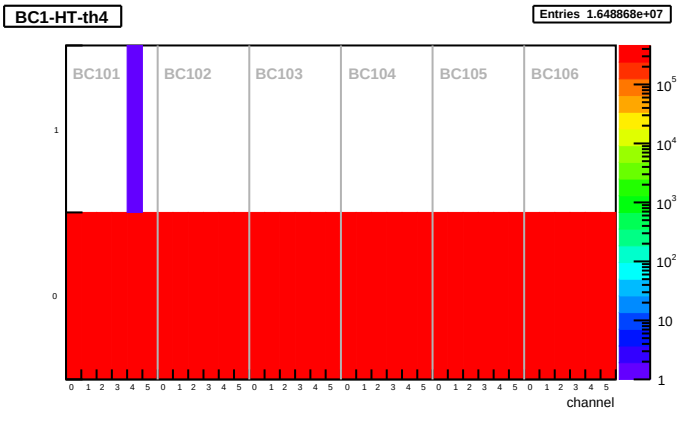

BC1-HT-th1-Diff
Entries 84
BC101
BC102
BC103
BC104
BC105
BC106
channel

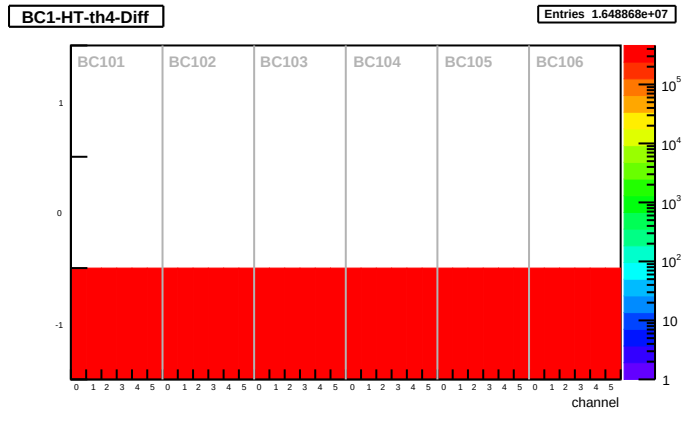

BC1-HT-th2
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

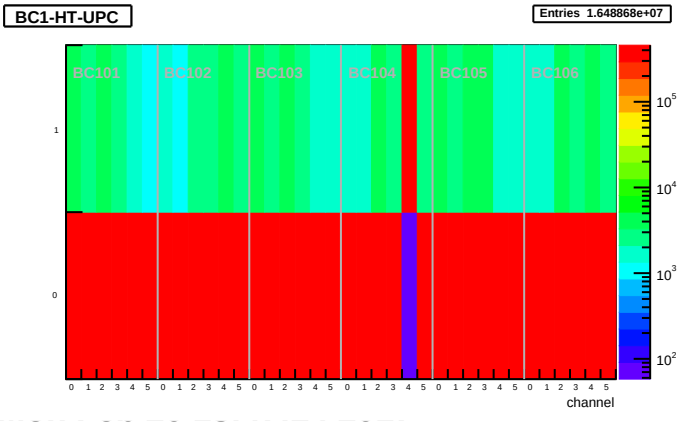

BC1-HT-th2-Diff
Entries 414
BC101
BC102
BC103
BC104
BC105
BC106
channel

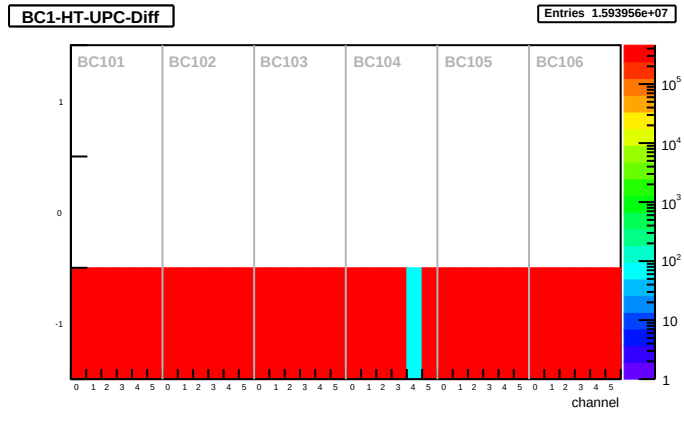

BC1-HT-th3
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

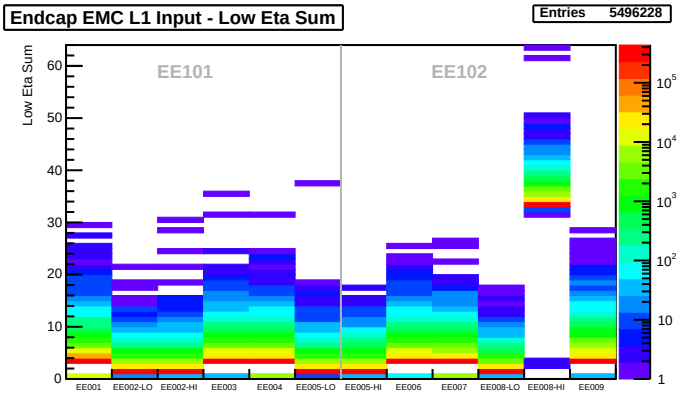

BC1-HT-th3-Diff
Entries 1.64886e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

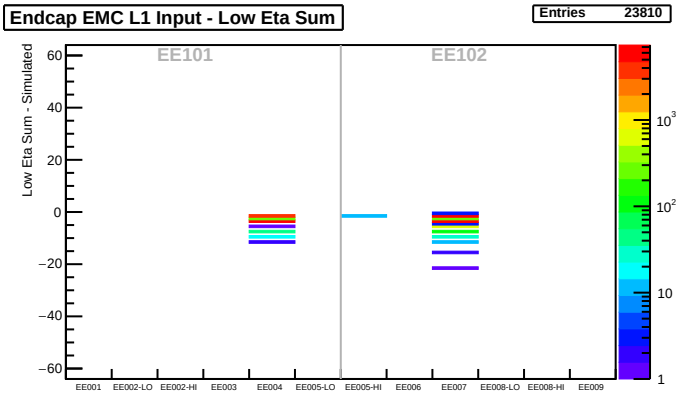

BC1-HT-th4
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

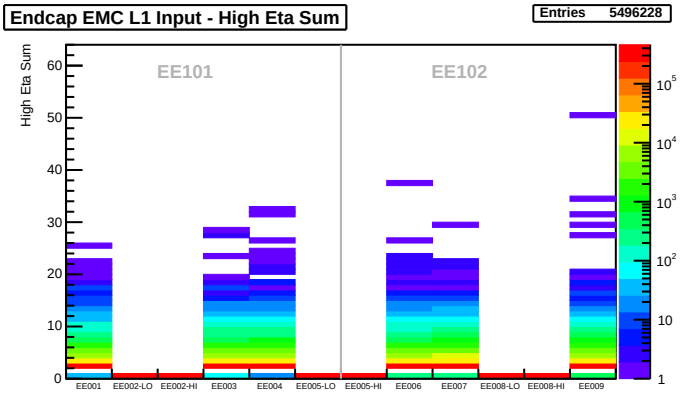

BC1-HT-th4-Diff
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

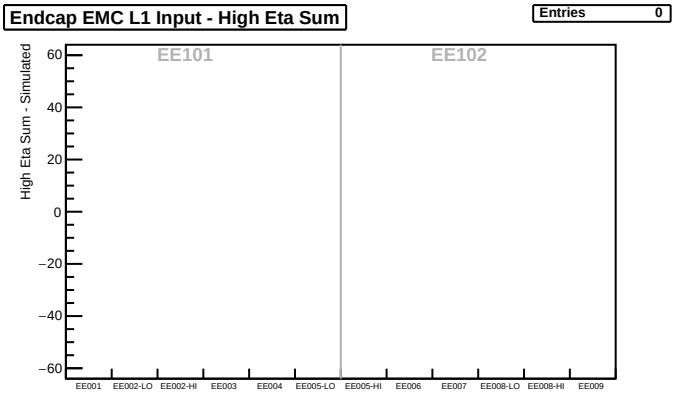

BC1-HT-UPC
Entries 1.648868e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

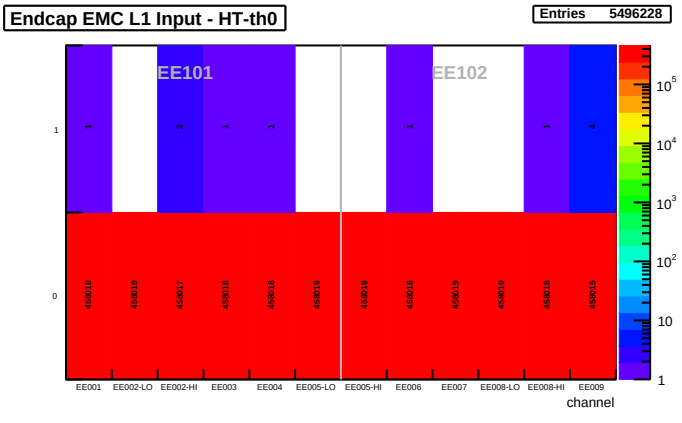

BC1-HT-UPC-Diff
Entries 1.593956e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

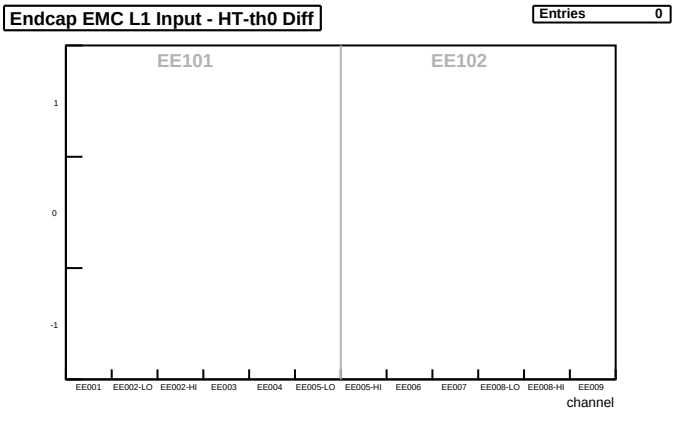

Endcap EMC L1 Input - Low Eta Sum
Entries 5496228
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

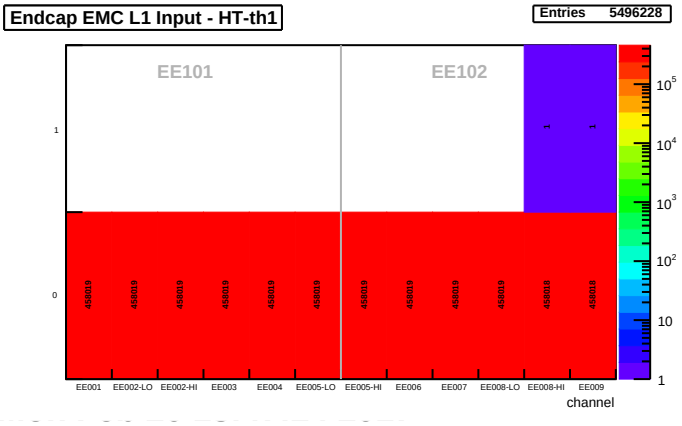

Endcap EMC L1 Input - Low Eta Sum
Entries 23810
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

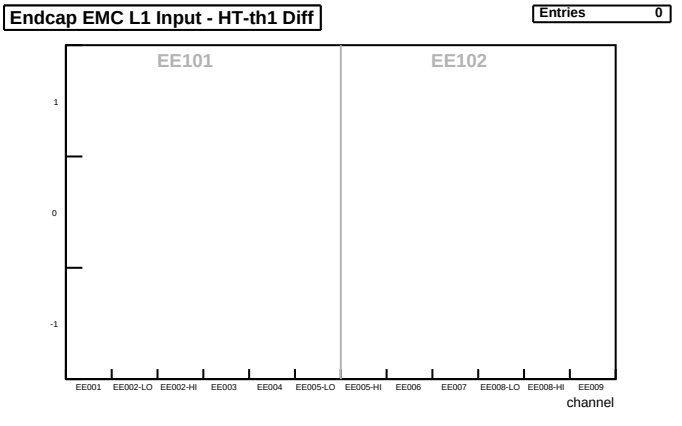

Endcap EMC L1 Input - High Eta Sum
Entries 5496228
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

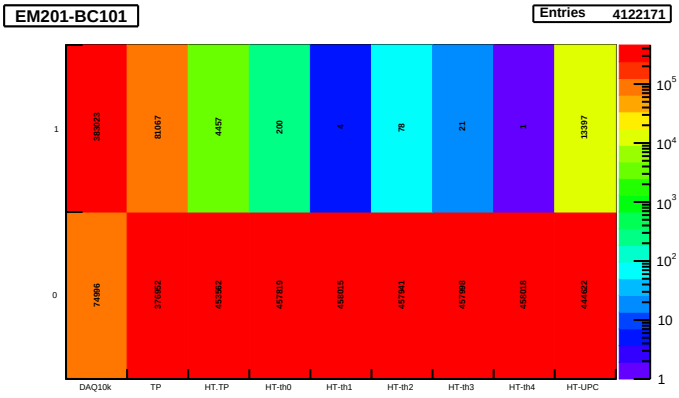

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

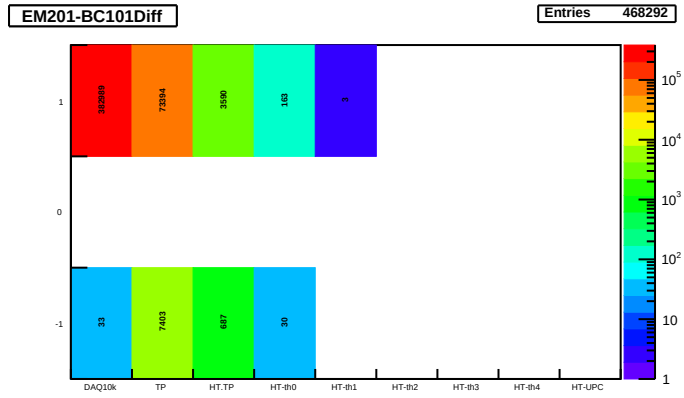

Endcap EMC L1 Input - HT-th0
Entries 5496228
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

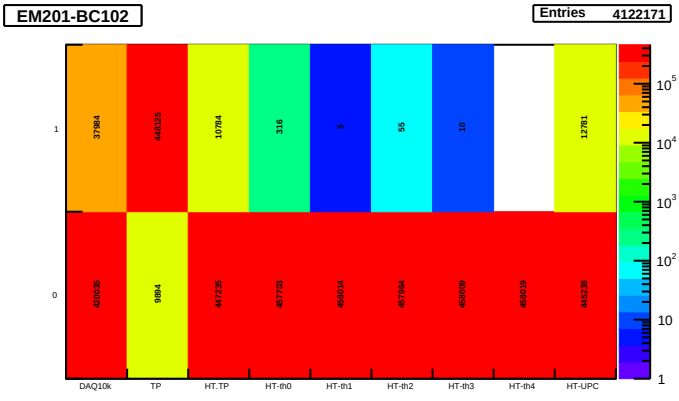

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

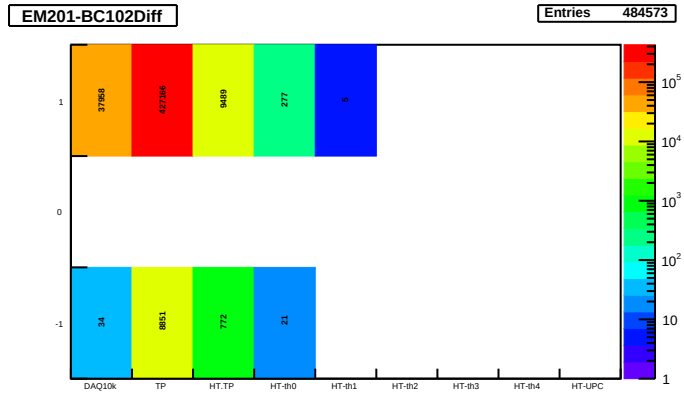

Endcap EMC L1 Input - HT-th1
Entries 5496228
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

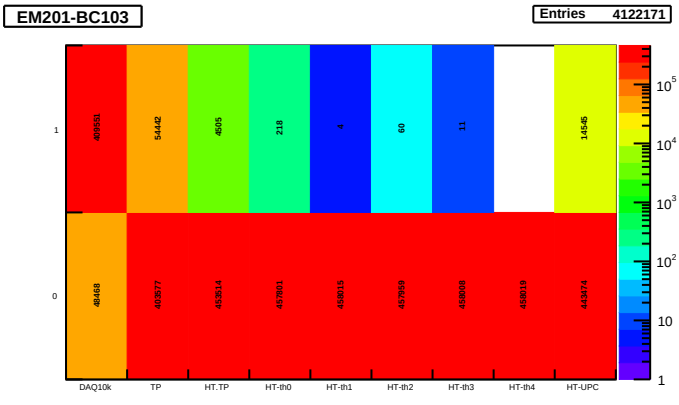

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

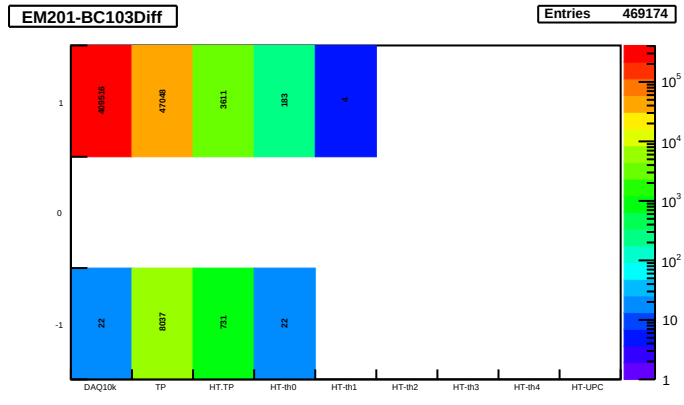

EM201-BC101
Entries 4122171
1
0
333323
81067
4457
200
4
78
21
1
13397
74966
376652
453362
457819
458015
457941
457998
458018
444622
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

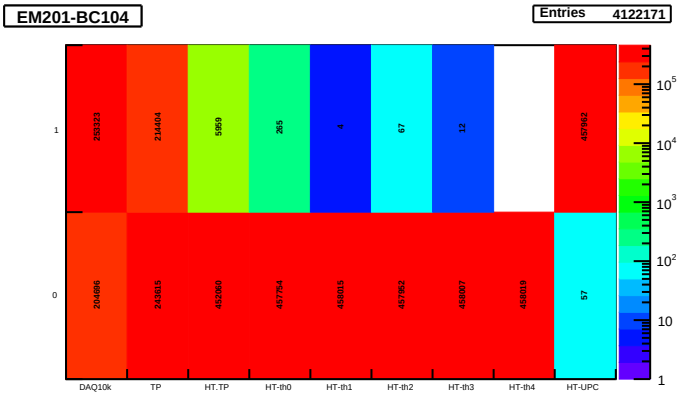

EM201-BC101Diff
Entries 468292
1
0
-1
382589
73394
3590
163
3
33
7403
687
30
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

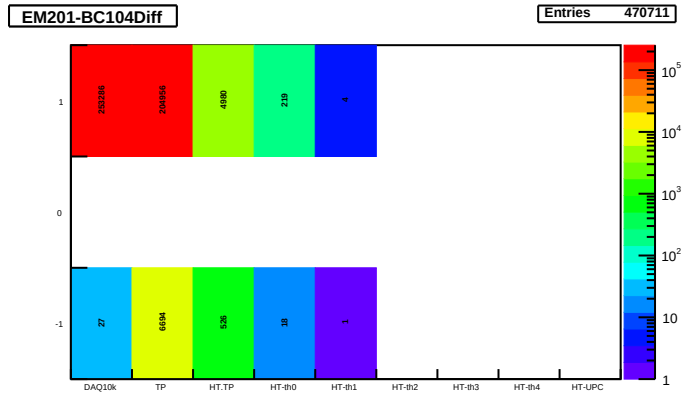

EM201-BC102
Entries 4122171
1
0
37984
448325
10784
316
5
55
10
12781
420035
9894
447235
457703
458014
457984
458009
458019
445238
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201-BC102Diff
Entries 484573
1
0
-1
37958
427166
9489
277
5
34
8851
772
21
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

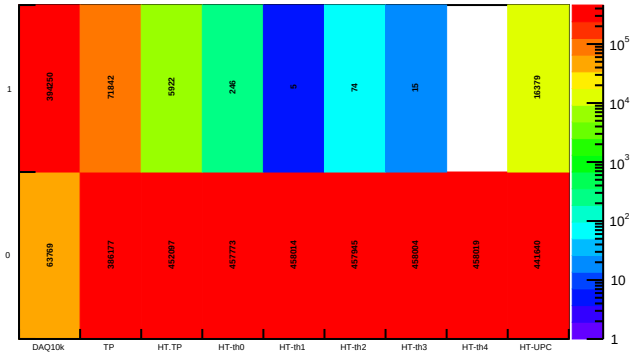

EM201-BC103
Entries 4122171
1
0
409551
54442
4505
218
4
60
11
14546
48468
403577
453514
457601
458015
457959
458008
458019
443974
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201-BC103Diff
Entries 469174
1
0
-1
409516
47048
3611
183
4
22
8037
721
22
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

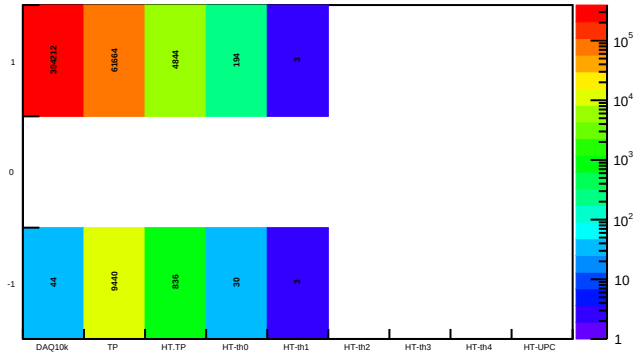

EM201-BC104
Entries 4122171
1
0
233323
214404
5959
265
4
67
12
457962
204986
243615
452860
457754
458015
457952
458007
458019
57
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1


EM201-BC104Diff
Entries 470711
1
0
-1
233286
204956
4980
219
4
27
6694
535
18
1
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

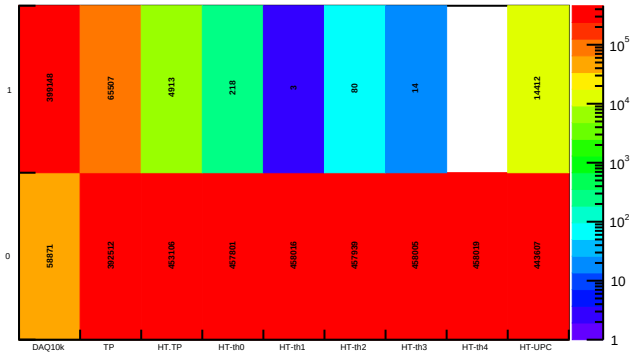
**EM201-BC105** Entries 4122171



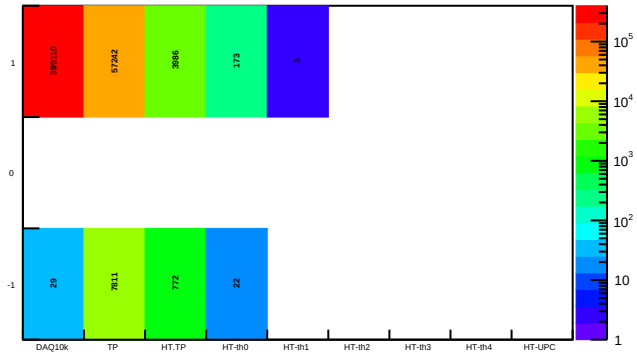

**EM201-BC105Diff** Entries 471270



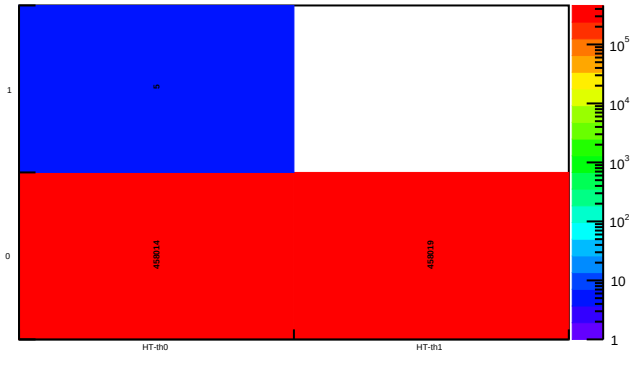

**EM201-BC106** Entries 4122171



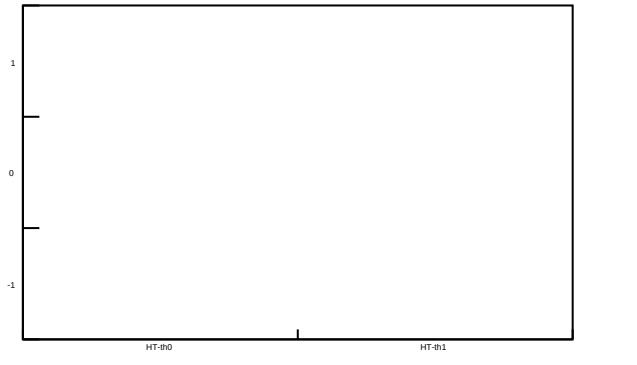

**EM201-BC106Diff** Entries 469148



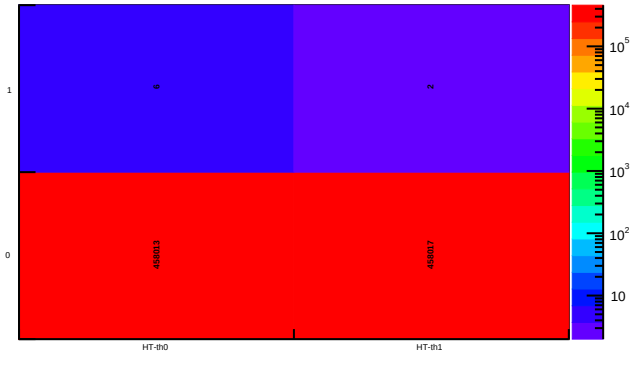

**EM201-EE101** Entries 916038



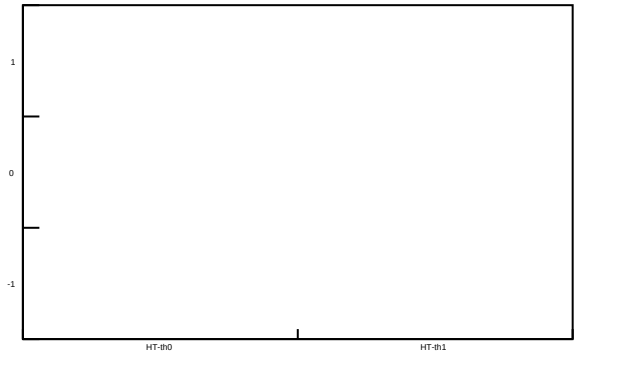

**EM201-EE101Diff** Entries 0

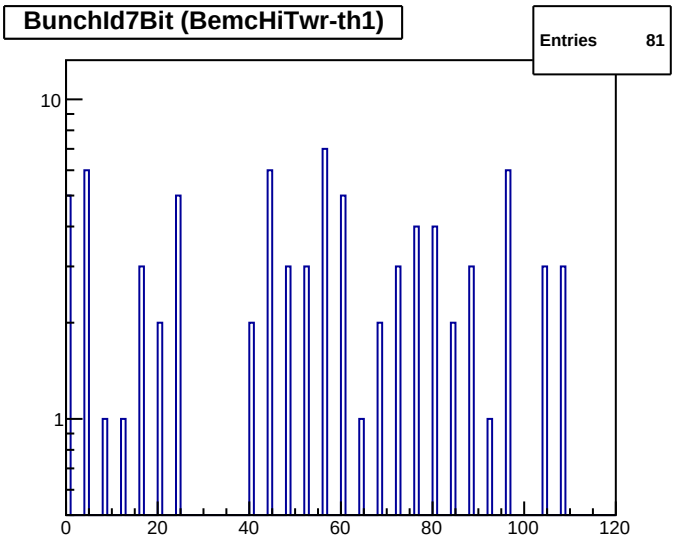


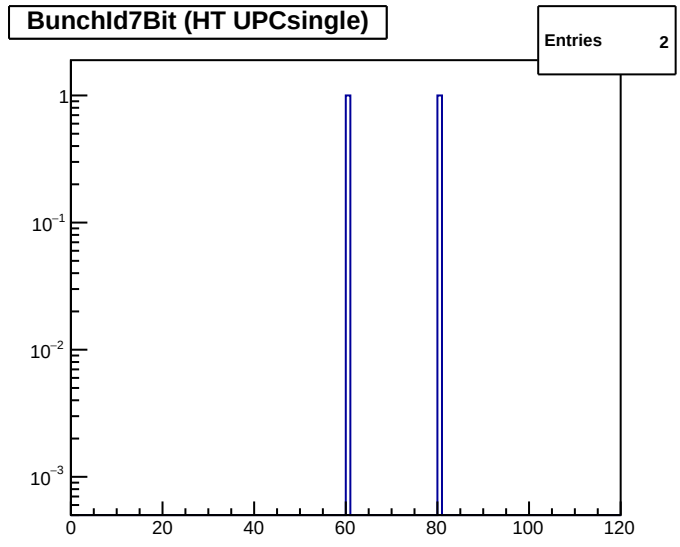

**EM201-EE102** Entries 916038

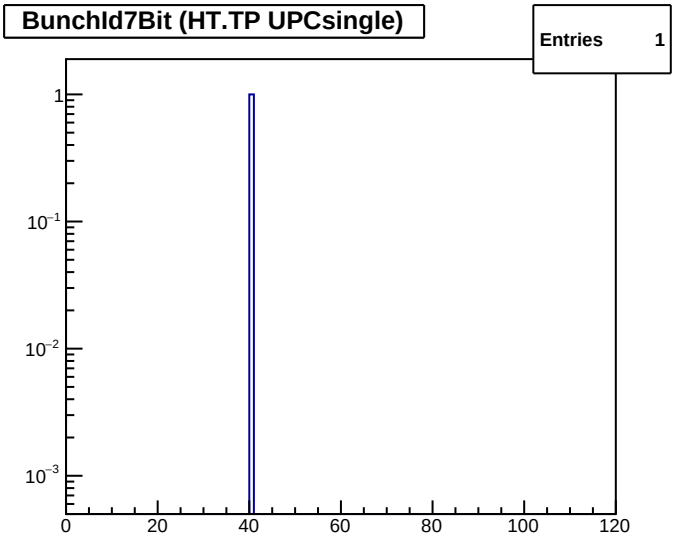


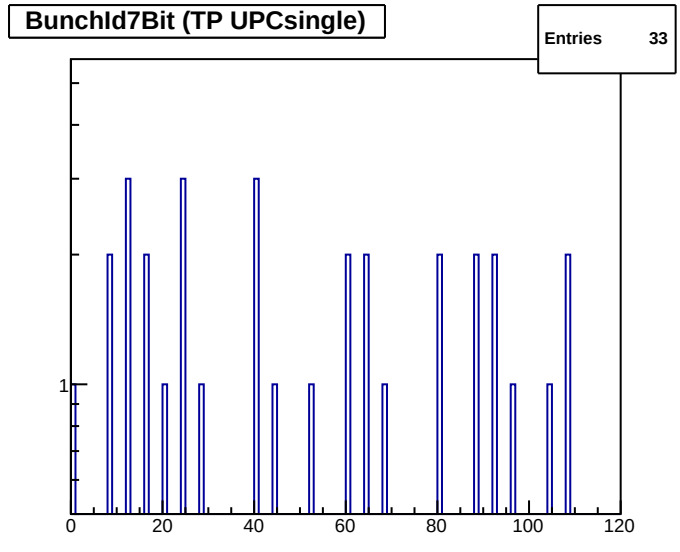

**EM201-EE102Diff** Entries 0

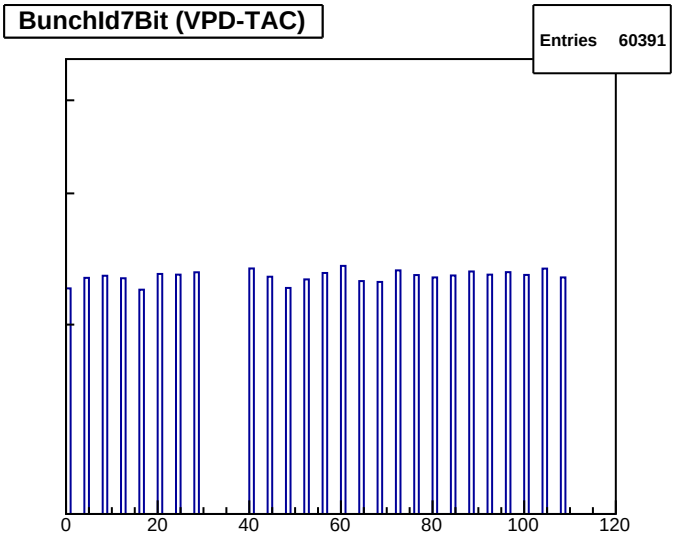


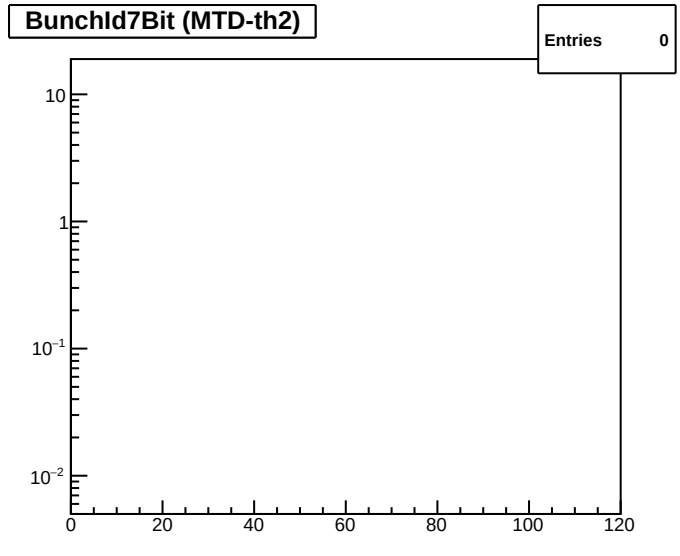

BunchId7Bit (BemcHiTwr-th1)
Entries 81
10
1
0 20 40 60 80 100 120

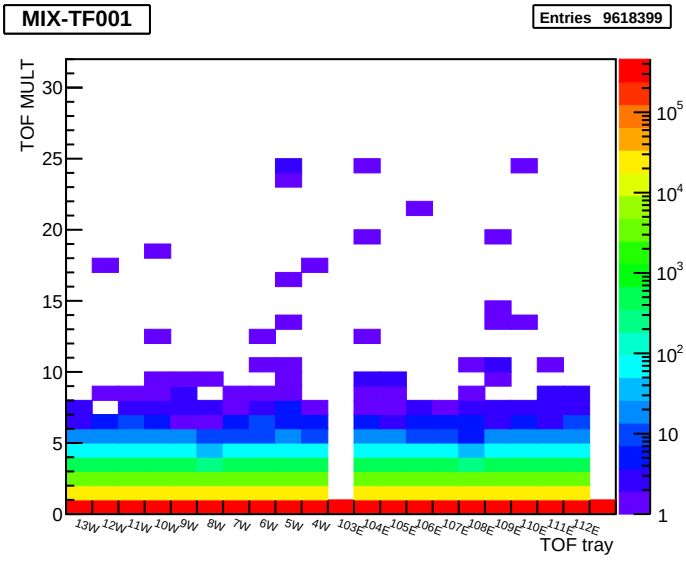

BunchId7Bit (HT UPCsingle)
Entries 2
1
$10^{-1}$
$10^{-2}$
$10^{-3}$
0 20 40 60 80 100 120

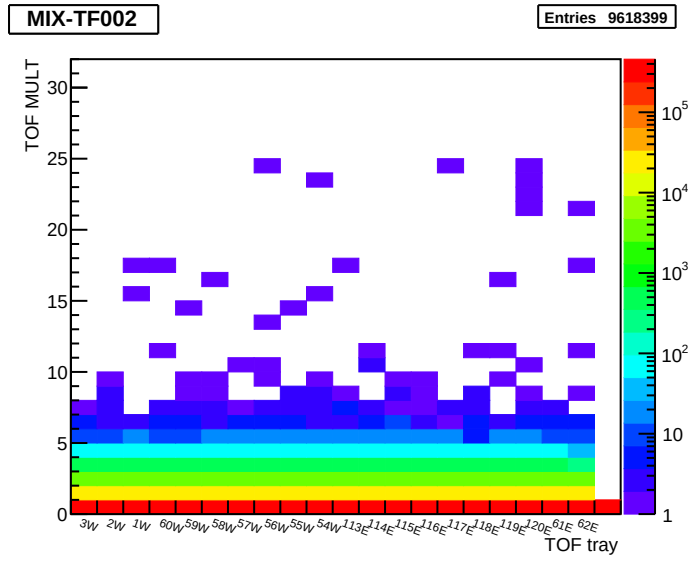

BunchId7Bit (HT.TP UPCsingle)
Entries 1
1
$10^{-1}$
$10^{-2}$
$10^{-3}$
0 20 40 60 80 100 120

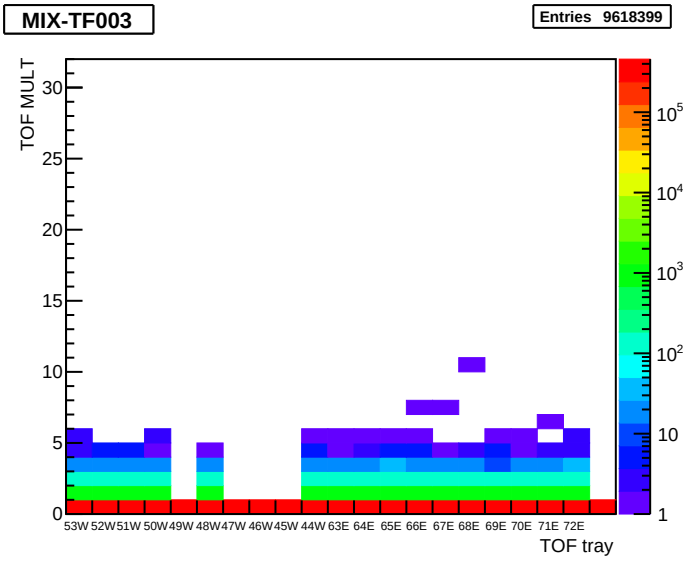

BunchId7Bit (TP UPCsingle)
Entries 33
1
0 20 40 60 80 100 120

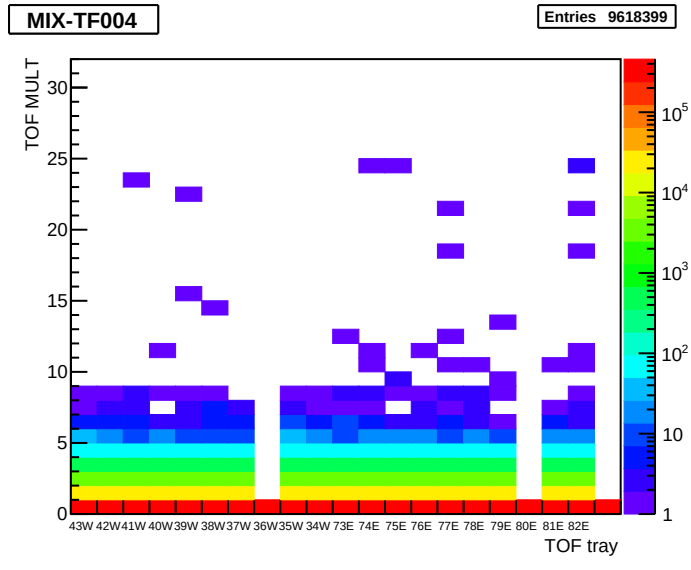

BunchId7Bit (VPD-TAC)
Entries 60391
0 20 40 60 80 100 120

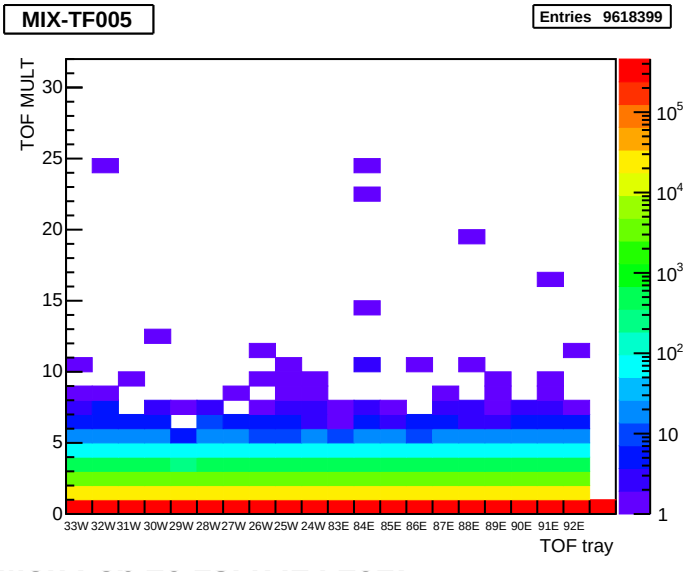

BunchId7Bit (MTD-th2)
Entries 0
10
1
$10^{-1}$
$10^{-2}$
0 20 40 60 80 100 120

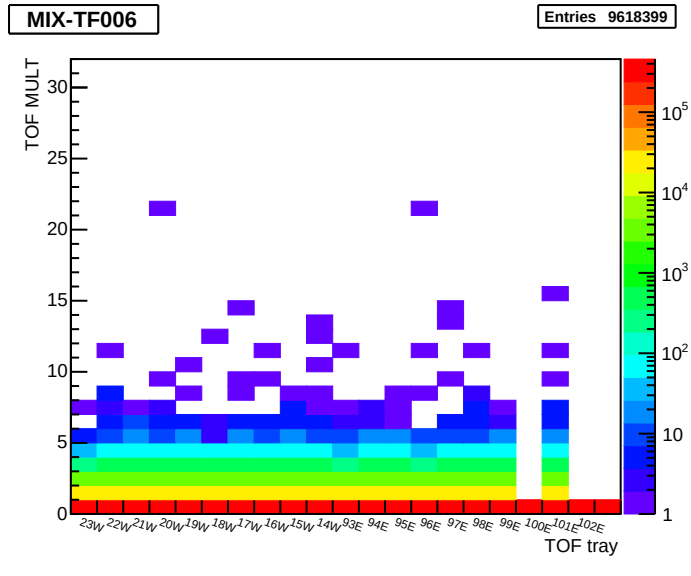

MIX-TF001
Entries 9618399
TOF MULT
TOF tray

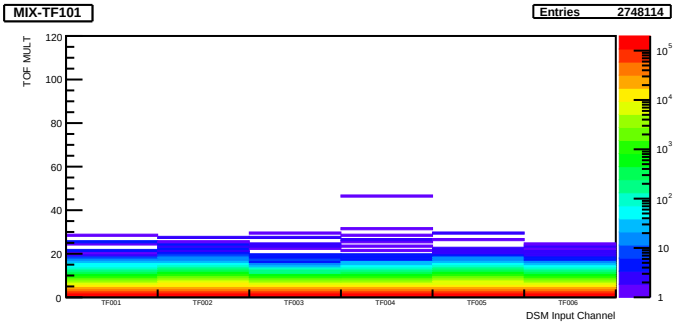

MIX-TF002
Entries 9618399
TOF MULT
TOF tray

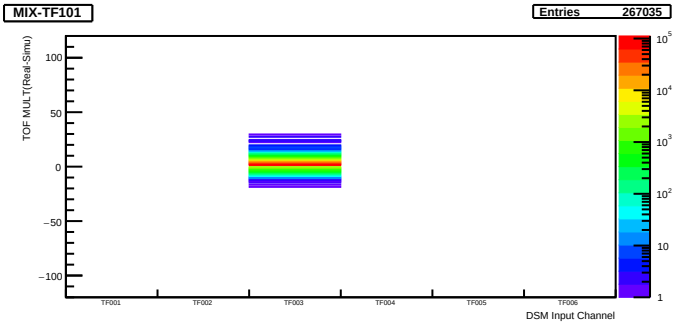

MIX-TF003
Entries 9618399
TOF MULT
TOF tray

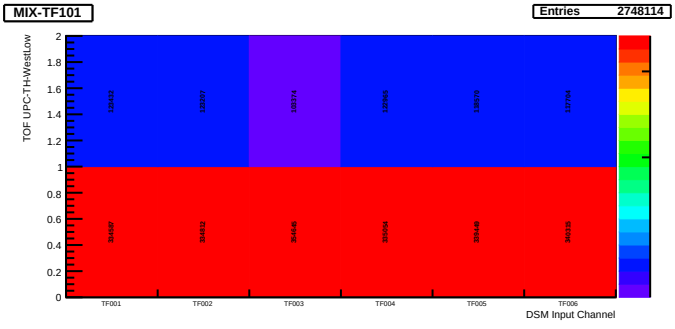

MIX-TF004
Entries 9618399
TOF MULT
TOF tray

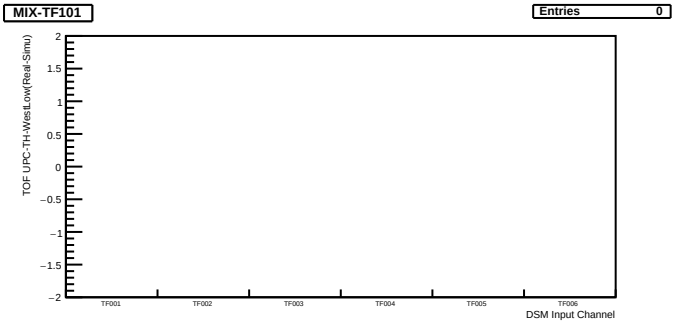

MIX-TF005
Entries 9618399
TOF MULT
TOF tray

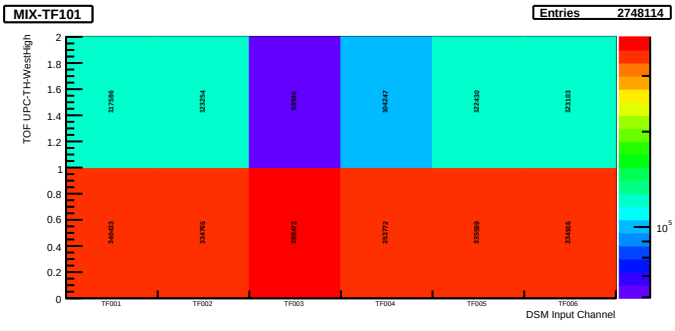

MIX-TF006
Entries 9618399
TOF MULT
TOF tray

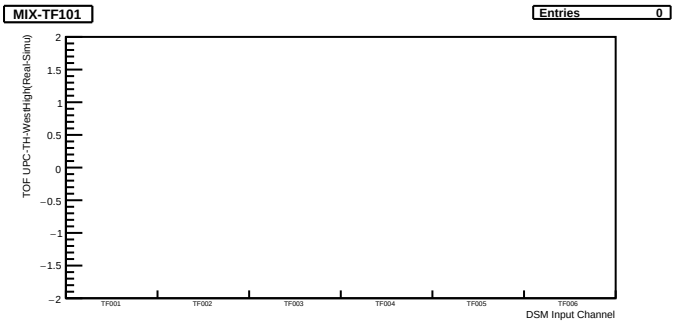

MIX-TF101
Entries 2748114
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

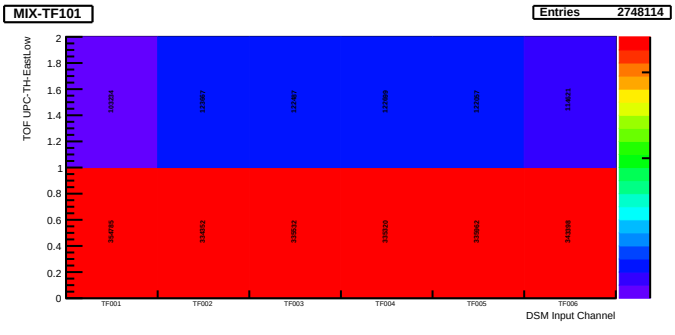

MIX-TF101
Entries 267035
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

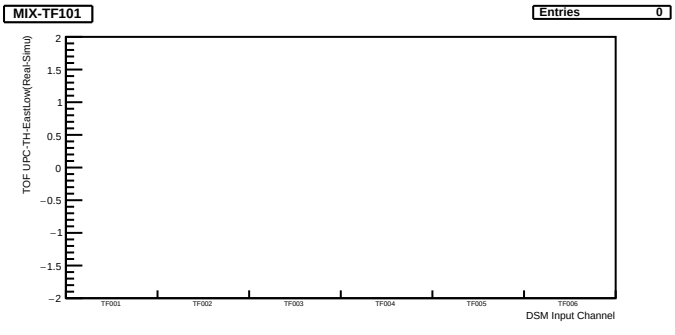

MIX-TF101
Entries 2748114
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

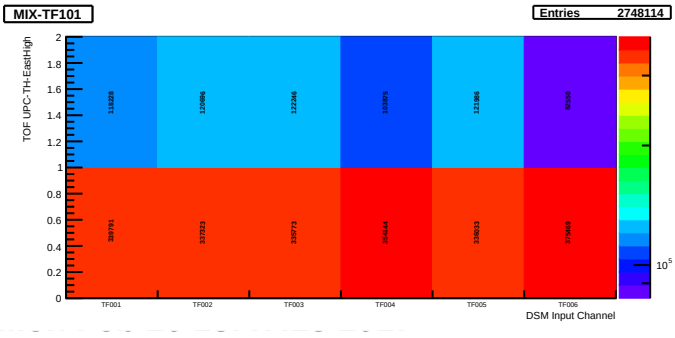

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

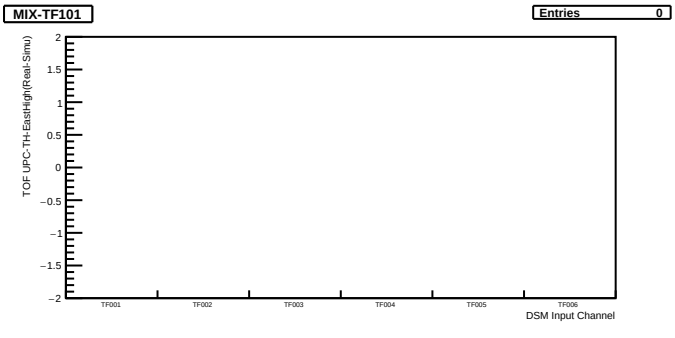

MIX-TF101
Entries 2748114
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

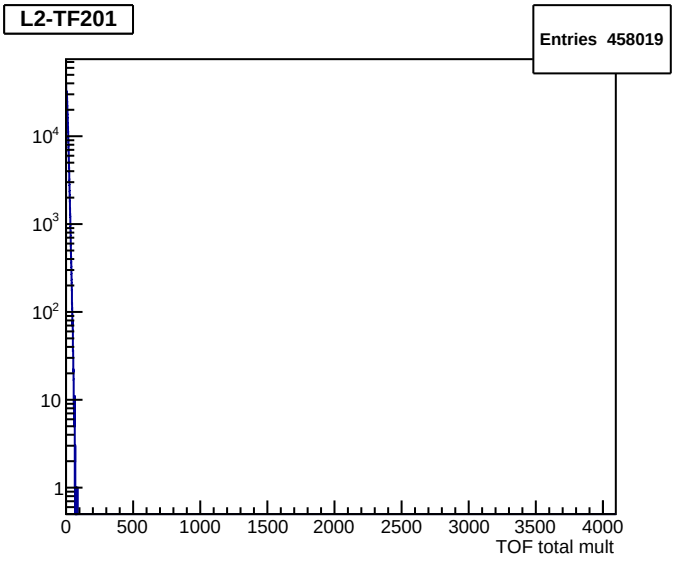

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

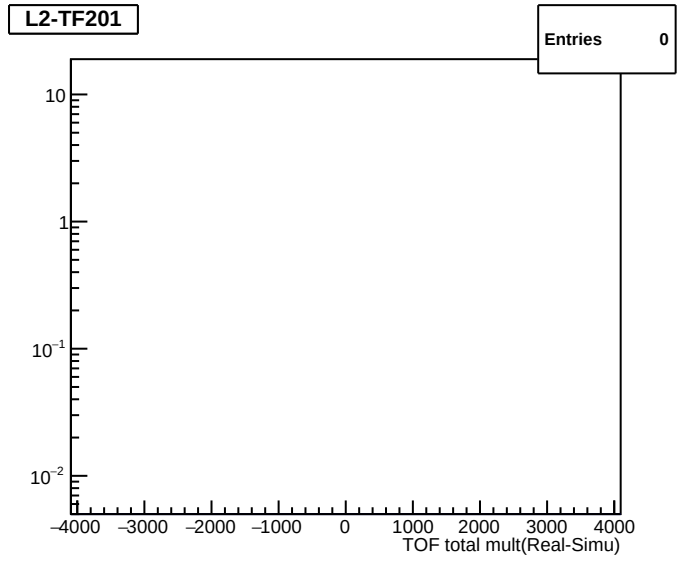

MIX-TF101
Entries 2748114
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

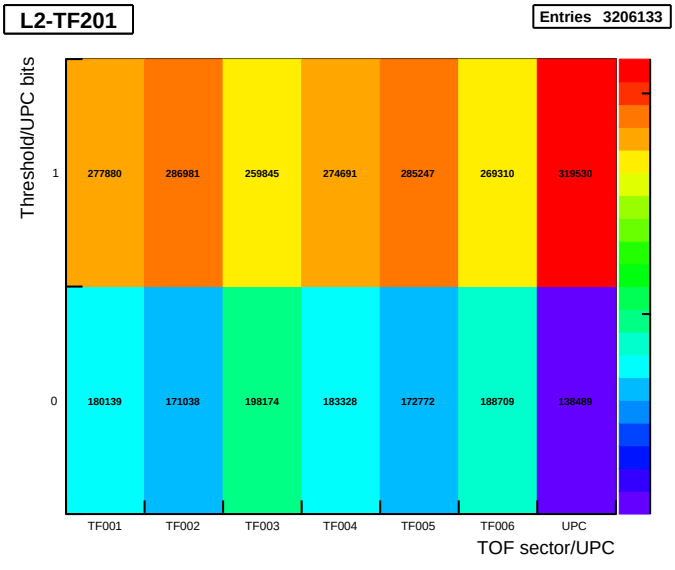

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

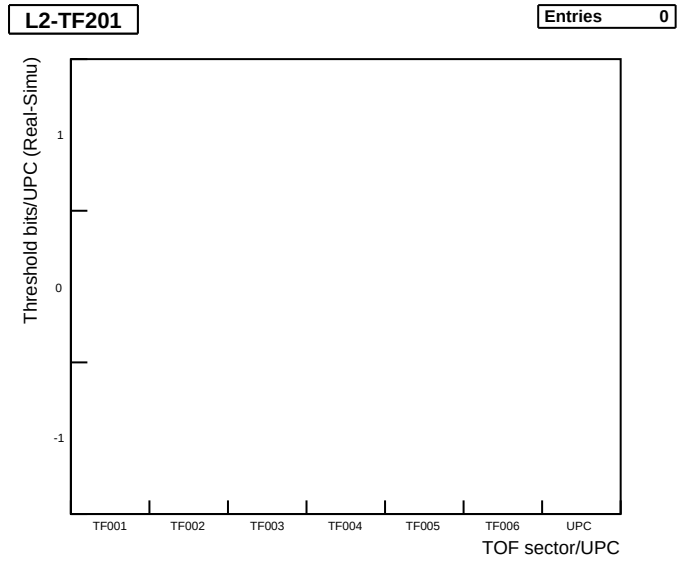

MIX-TF101
Entries 2748114
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

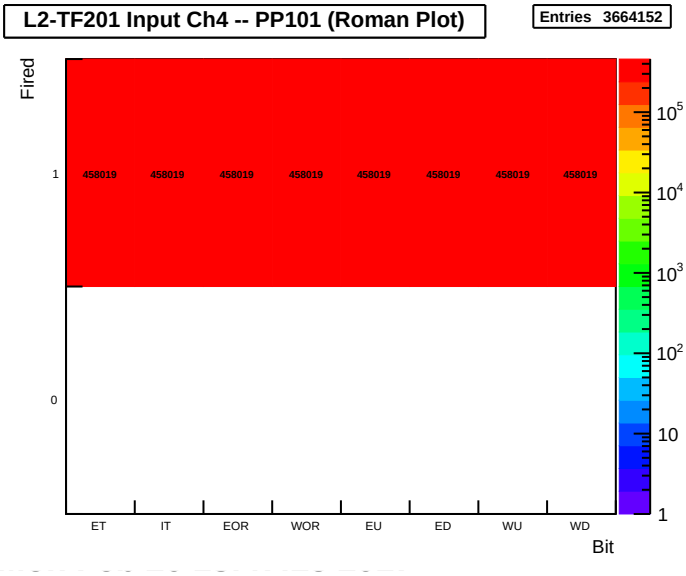

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

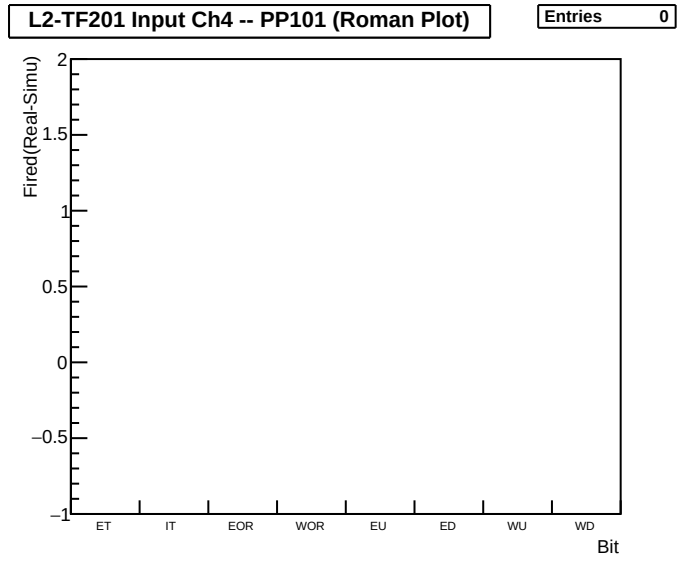

L2-TF201
Entries 458019
TOF total mult

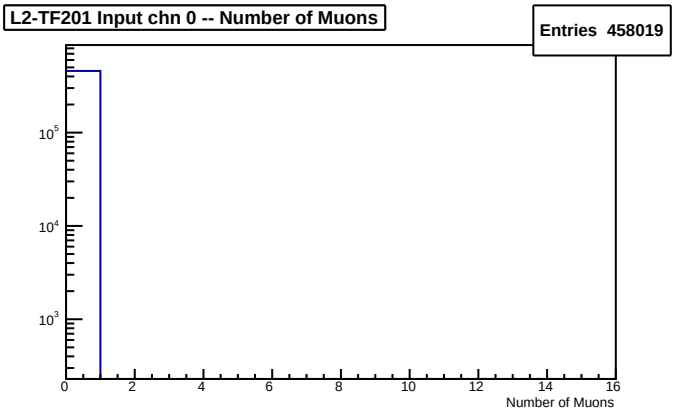

L2-TF201
Entries 0
TOF total mult(Real-Simu)

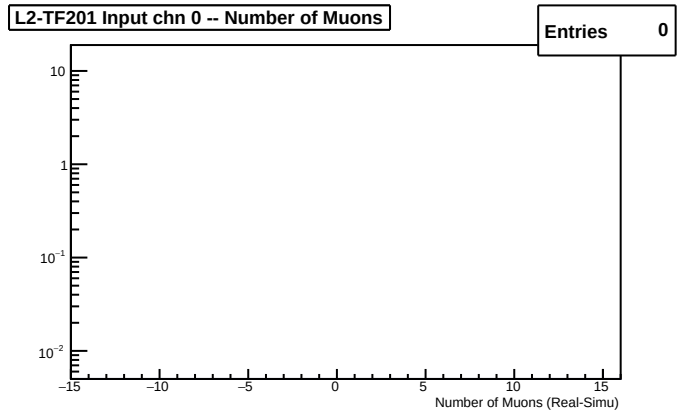

L2-TF201
Entries 3206133
Threshold/UPC bits
277880
286981
259845
274691
285247
269310
319530
180139
171038
198174
183328
172772
188709
138489
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

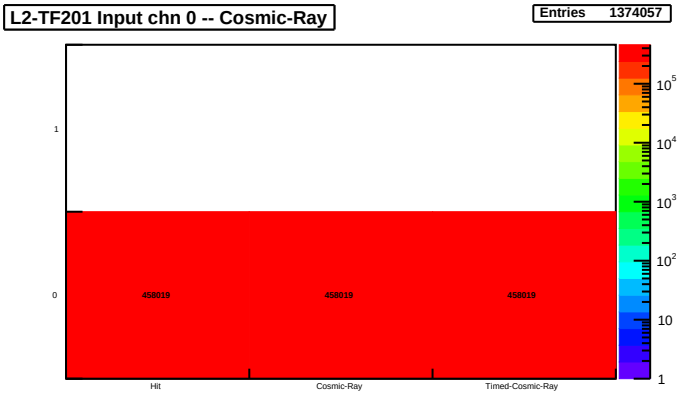

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

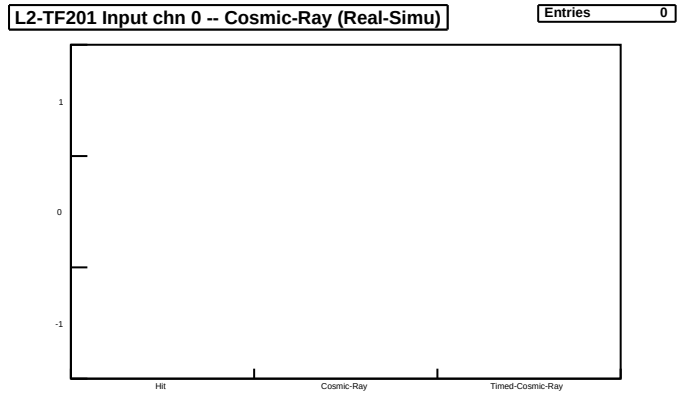

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 3664152
Fired
458019
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

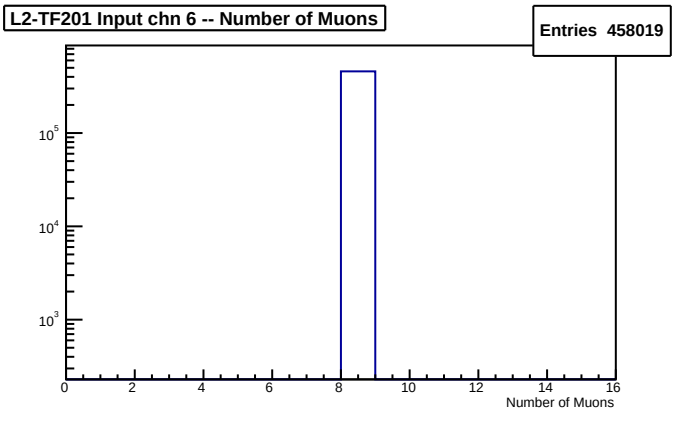

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

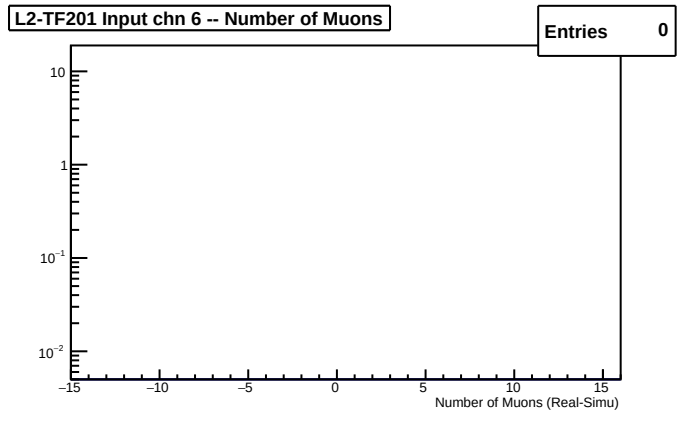

L2-TF201 Input chn 0 -- Number of Muons
Entries 458019
Number of Muons

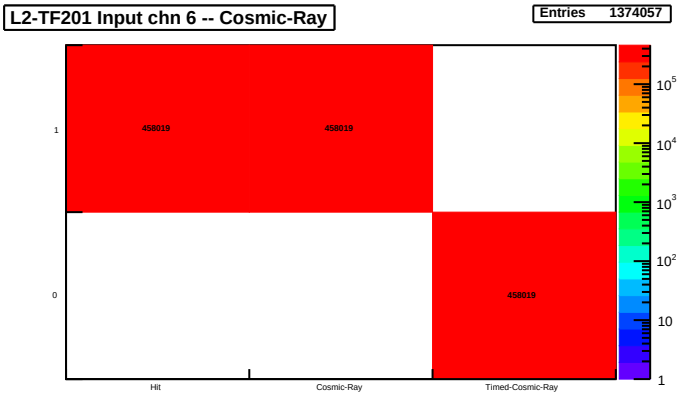

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

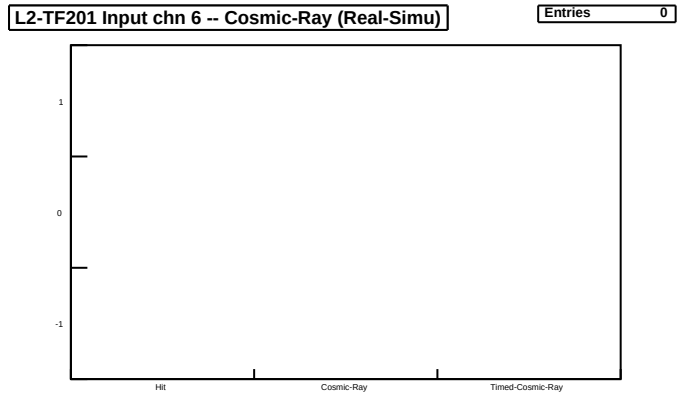

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 1374057
458019
458019
458019
Hit
Cosmic-Ray
Timed-Cosmic-Ray

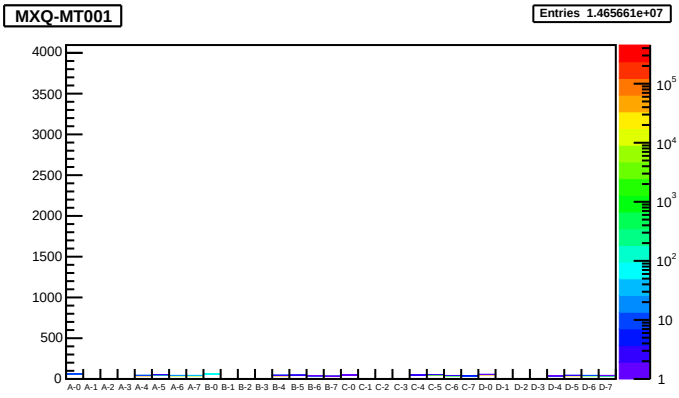

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

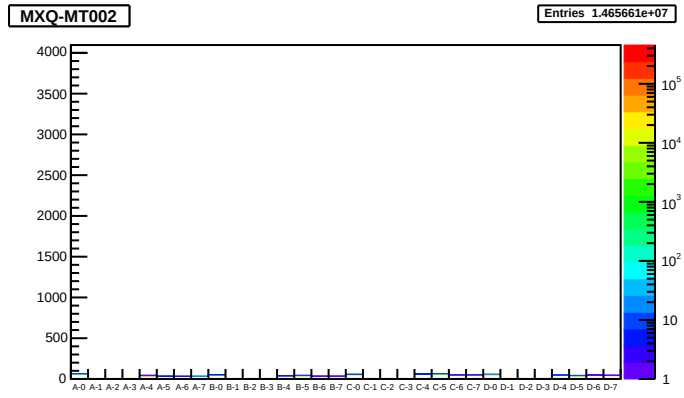

L2-TF201 Input chn 6 -- Number of Muons
Entries 458019
Number of Muons

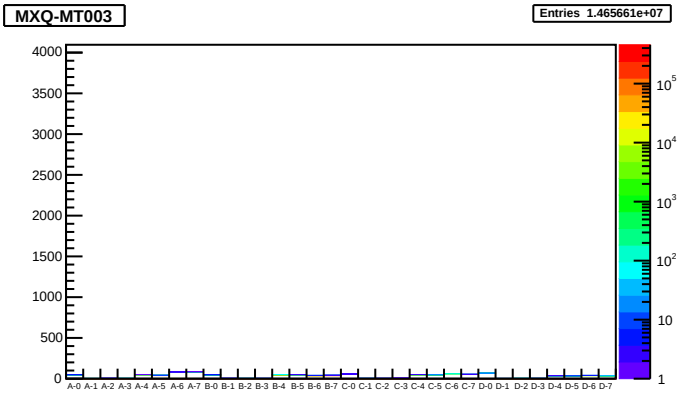

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

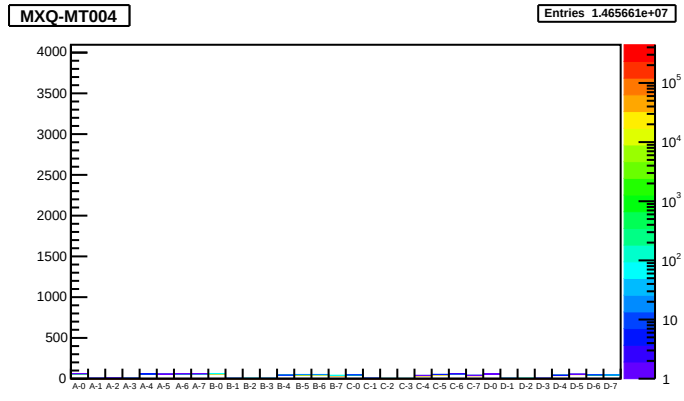

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 1374057
458019
458019
458019
Hit
Cosmic-Ray
Timed-Cosmic-Ray

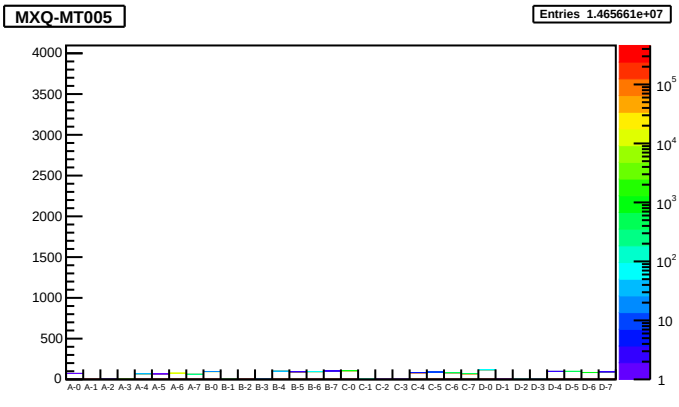

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

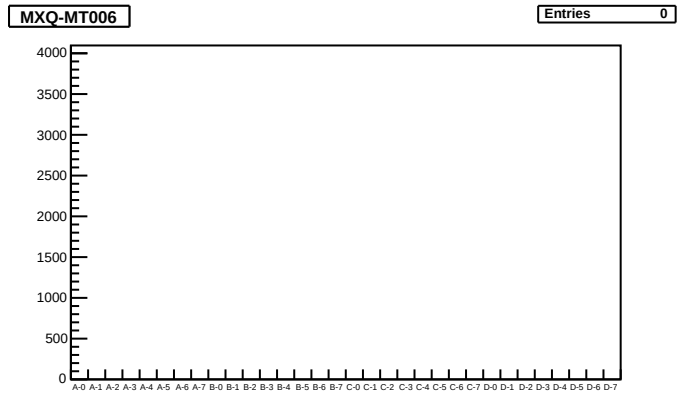

MXQ-MT001
Entries 1.465661e+07

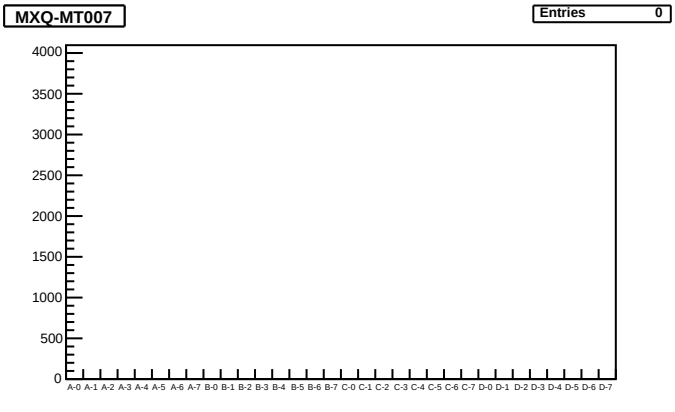

MXQ-MT002
Entries 1.465661e+07

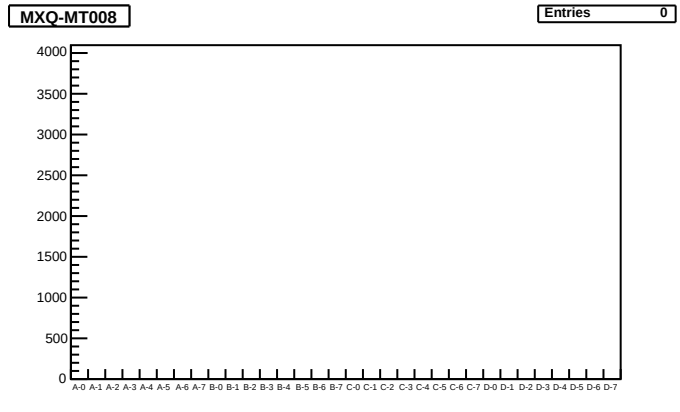

MXQ-MT003
Entries 1.465661e+07

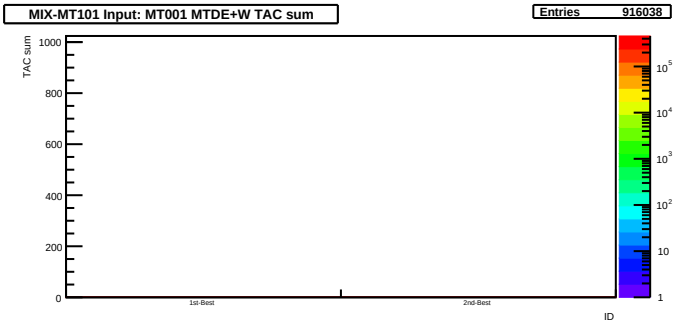

MXQ-MT004
Entries 1.465661e+07

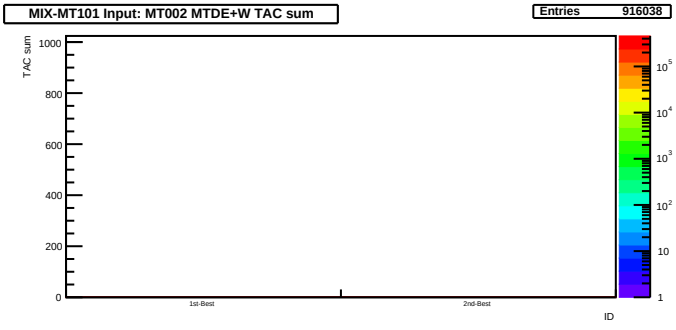

MXQ-MT005
Entries 1.465661e+07

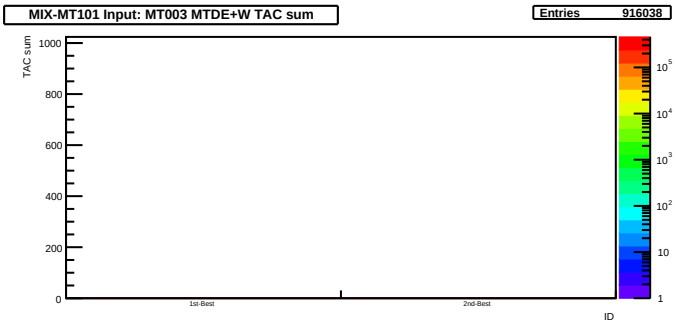

MXQ-MT006
Entries 0

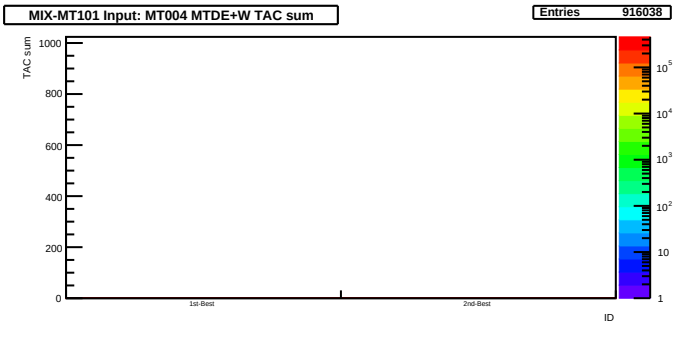

MXQ-MT007
Entries 0

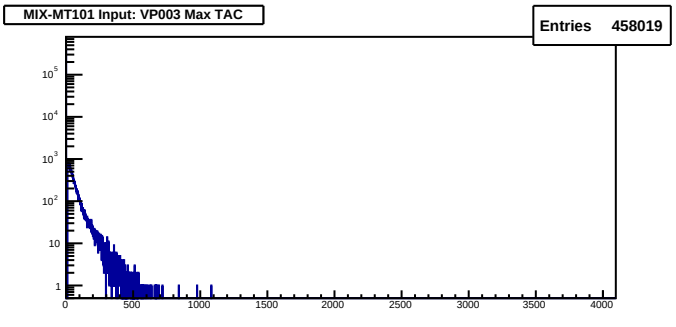

MXQ-MT008
Entries 0

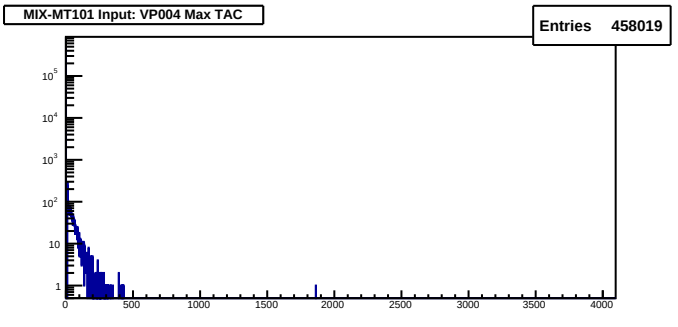

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

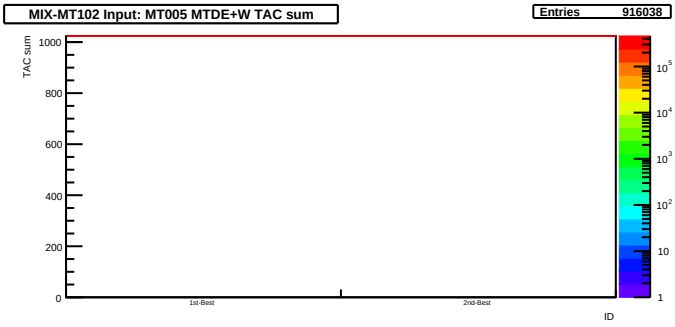

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

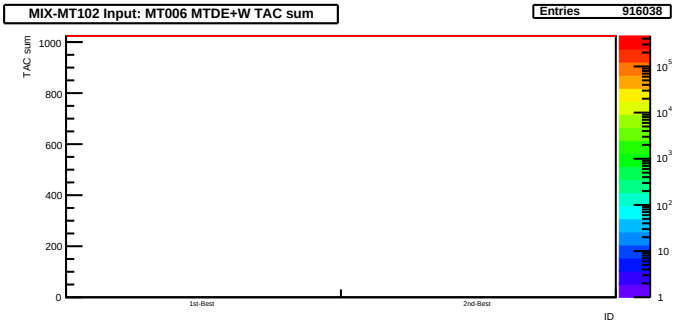

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

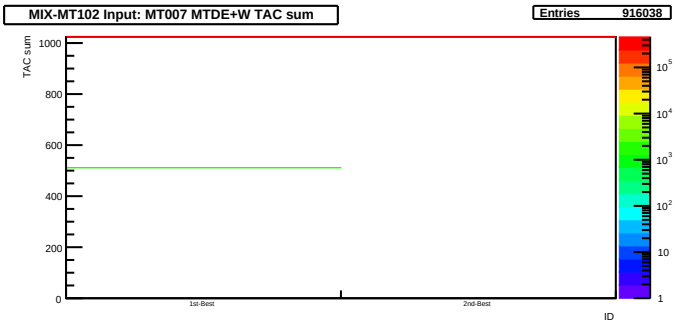

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

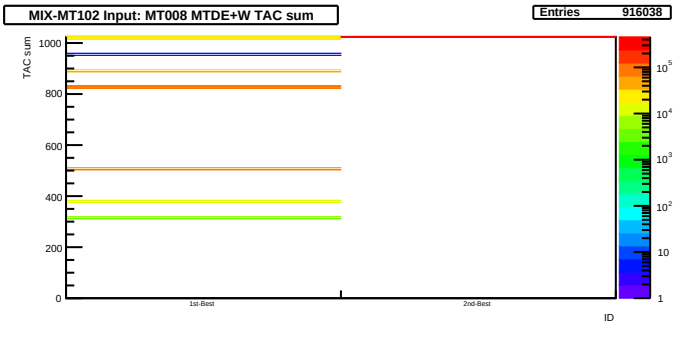

MIX-MT101 Input: VP003 Max TAC
Entries 458019

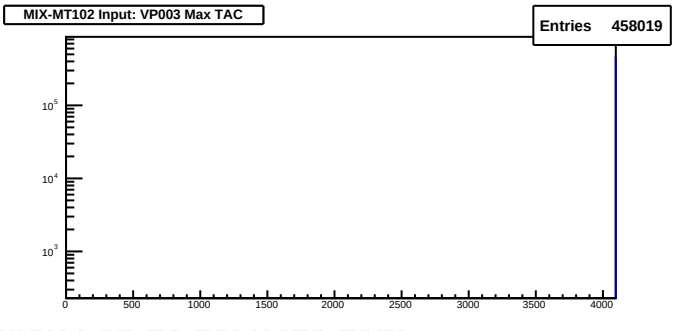

MIX-MT101 Input: VP004 Max TAC
Entries 458019

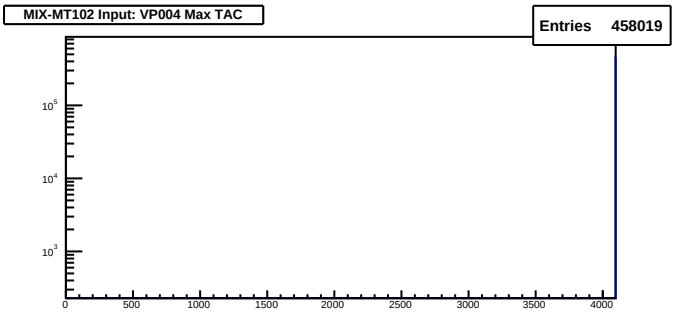

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

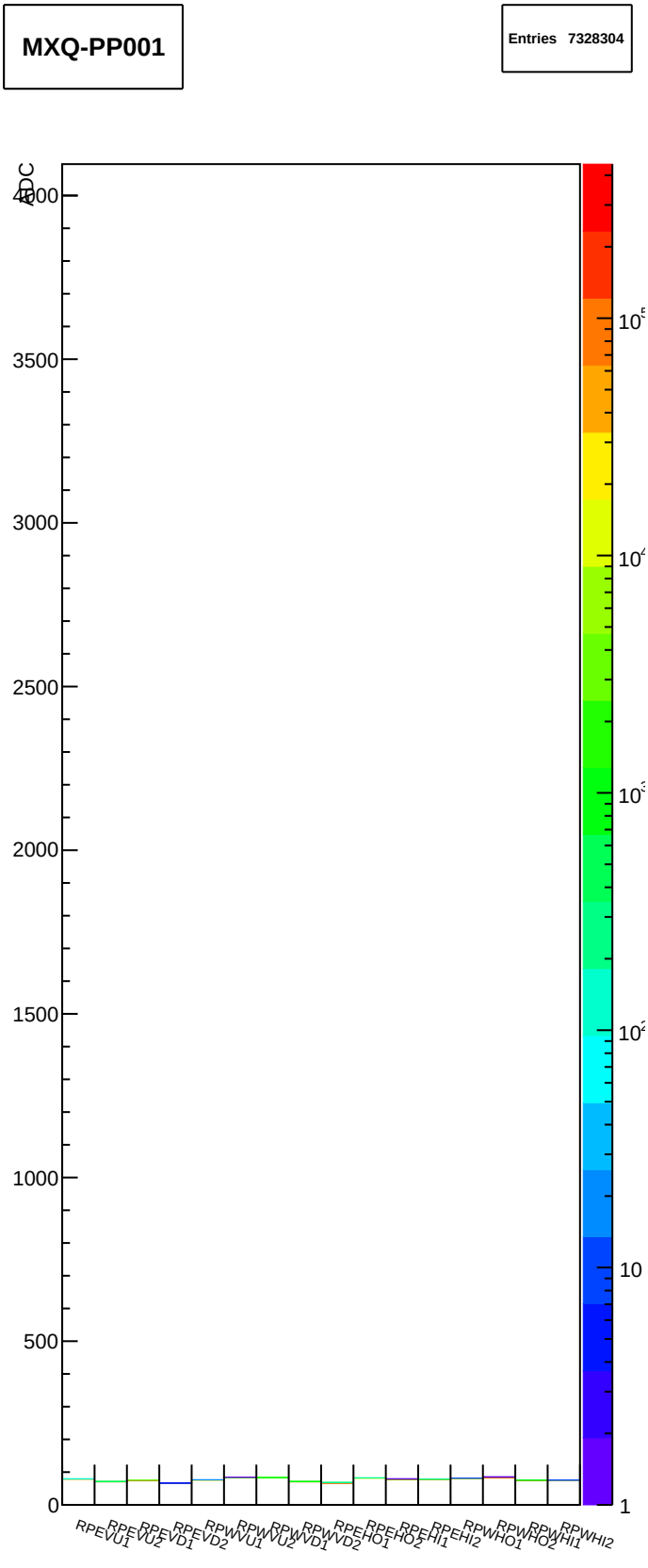

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

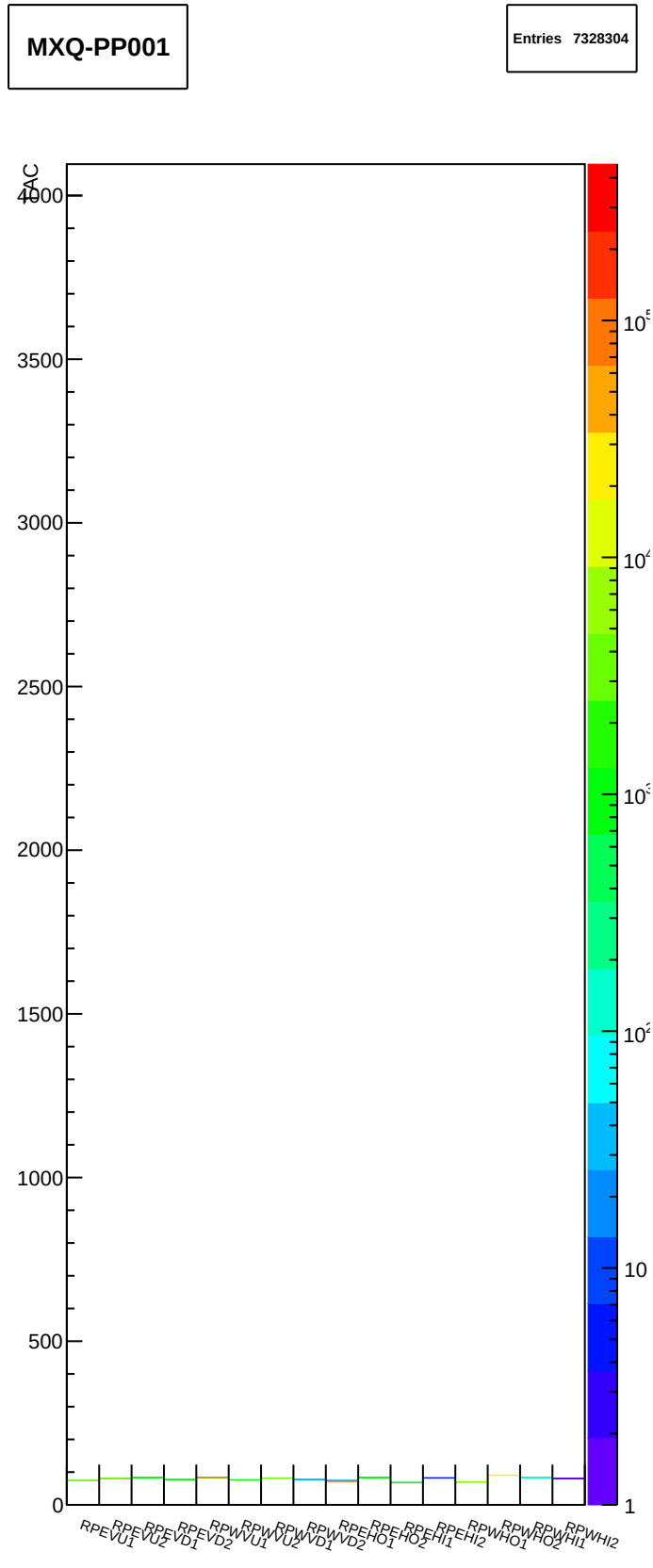

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

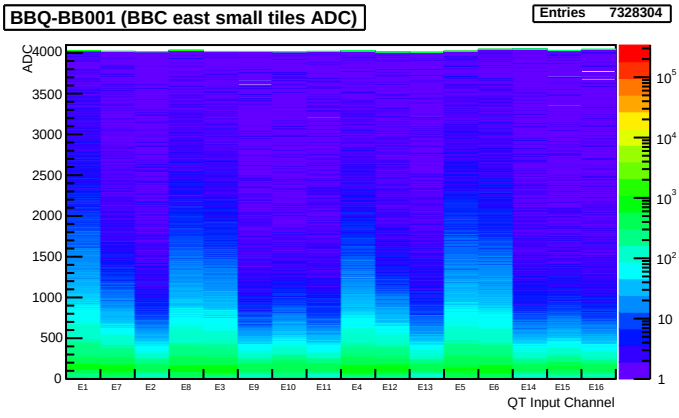

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 916038
TAC sum
1st-Best
2nd-Best
ID

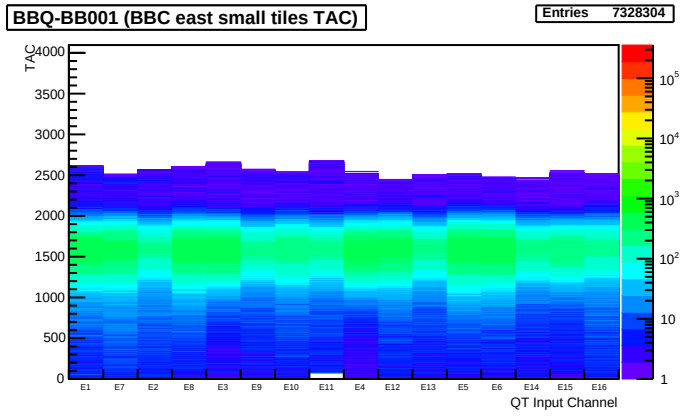

MIX-MT102 Input: VP003 Max TAC
Entries 458019

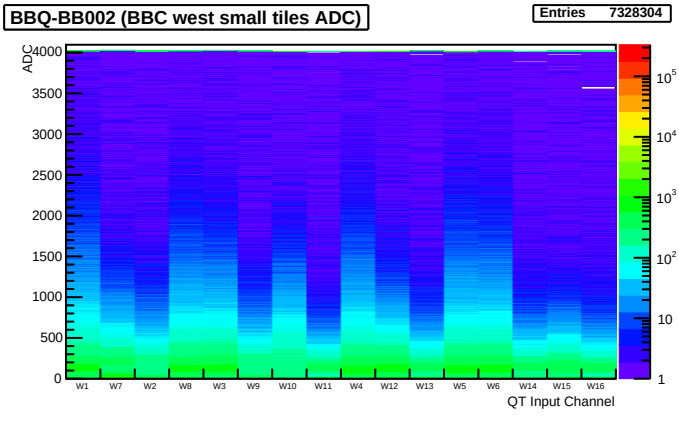

MIX-MT102 Input: VP004 Max TAC
Entries 458019

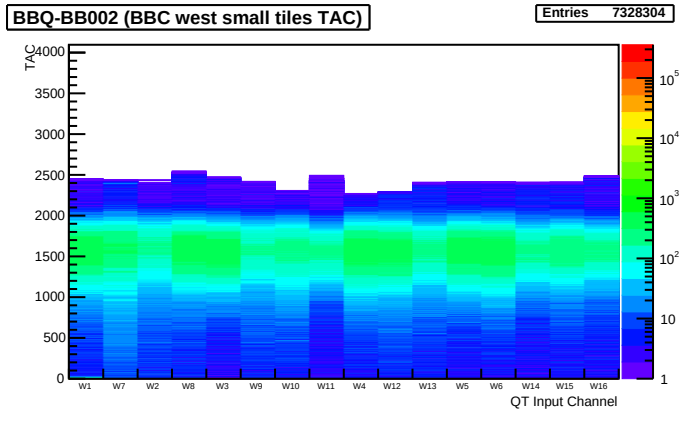

MXQ-PP001
Entries 7328304
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

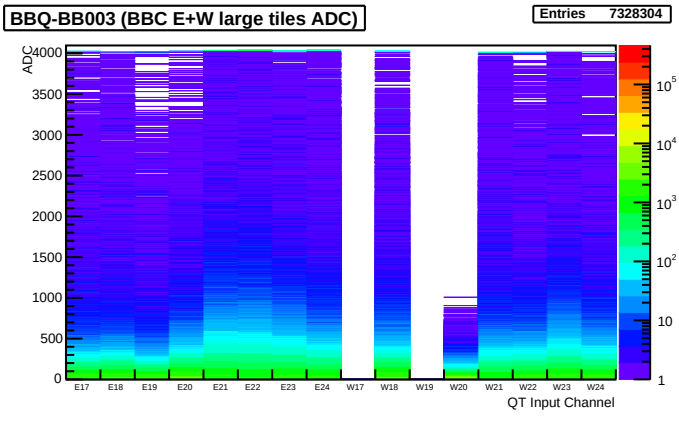

MXQ-PP001
Entries 7328304
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

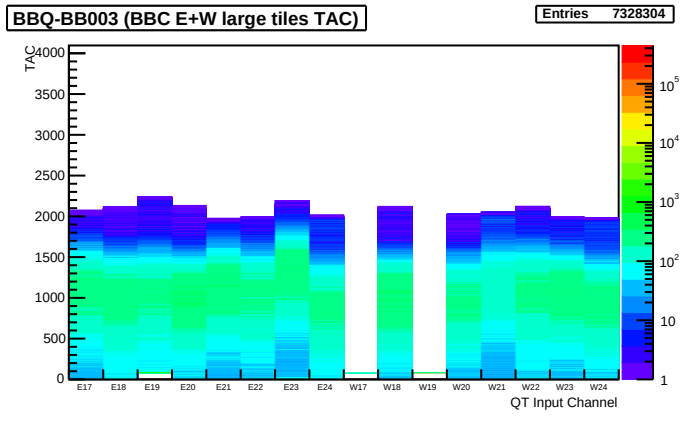

BBQ-BB001 (BBC east small tiles ADC)
Entries 7328304
ADC
QT Input Channel

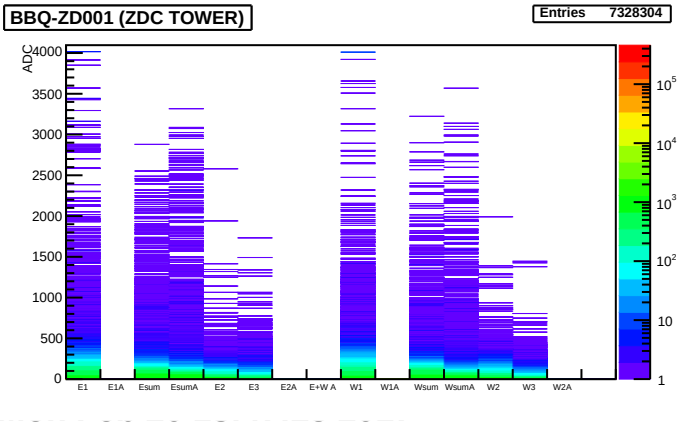

BBQ-BB001 (BBC east small tiles TAC)
Entries 7328304
TAC
QT Input Channel

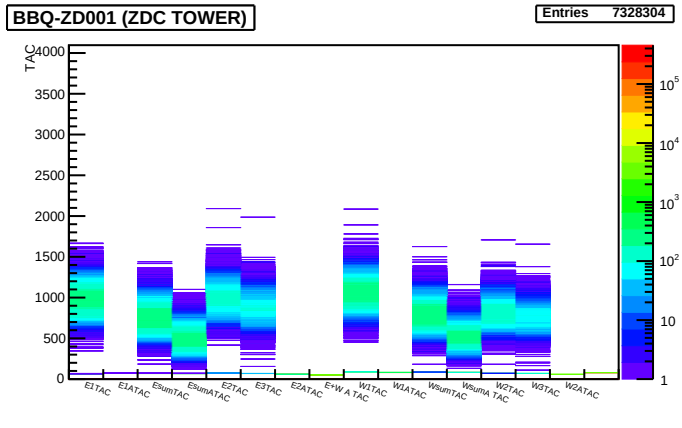

BBQ-BB002 (BBC west small tiles ADC)
Entries 7328304
ADC
QT Input Channel

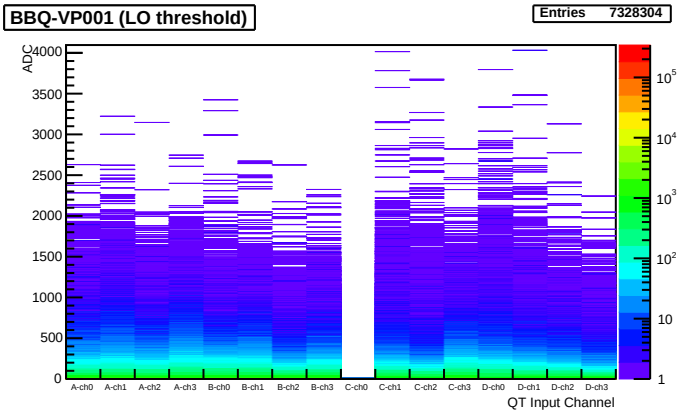

BBQ-BB002 (BBC west small tiles TAC)
Entries 7328304
TAC
QT Input Channel

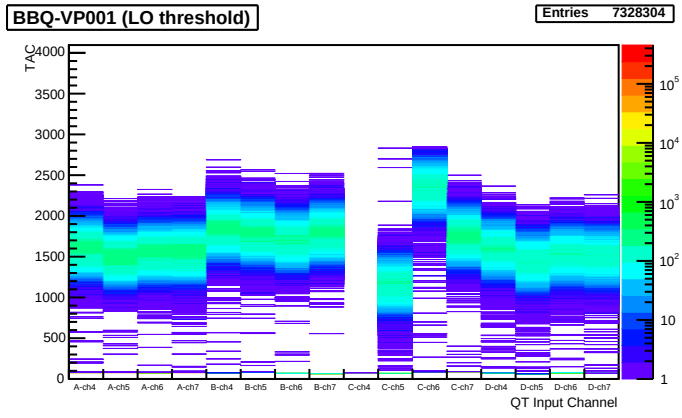

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 7328304
ADC
QT Input Channel

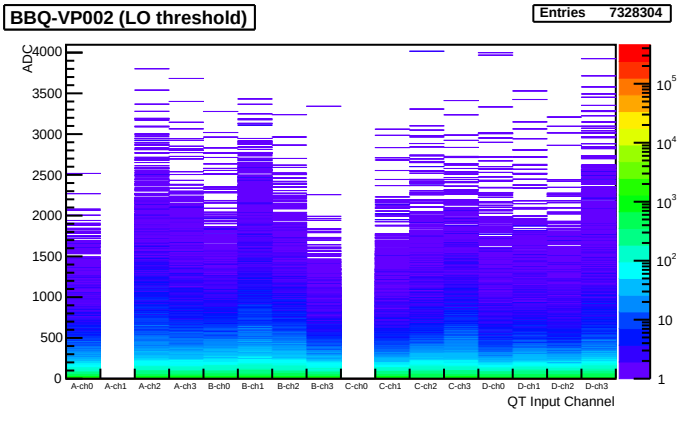

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 7328304
TAC
QT Input Channel

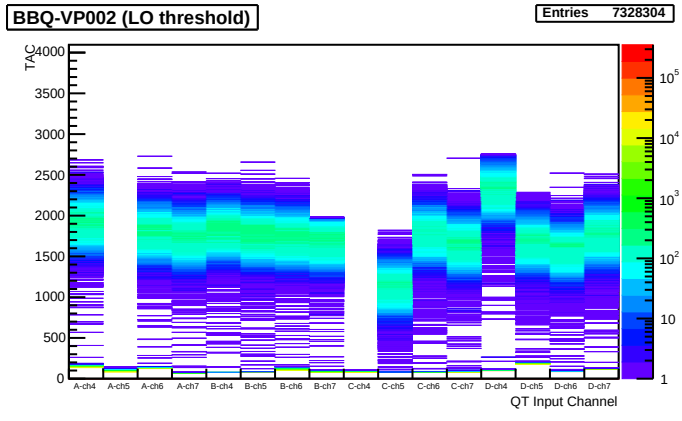

BBQ-ZD001 (ZDC TOWER)
Entries 7328304
ADC

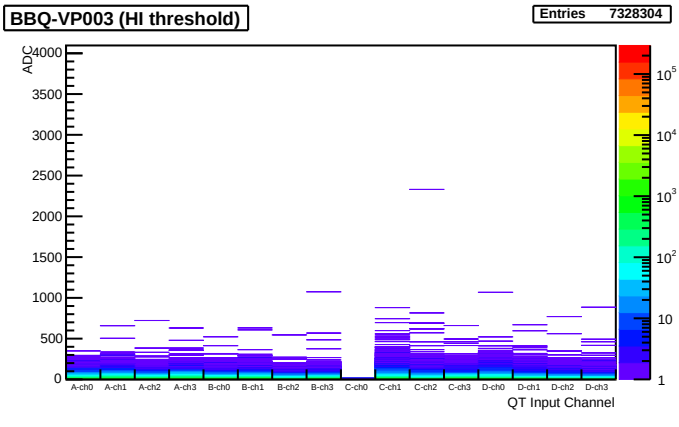

BBQ-ZD001 (ZDC TOWER)
Entries 7328304
TAC

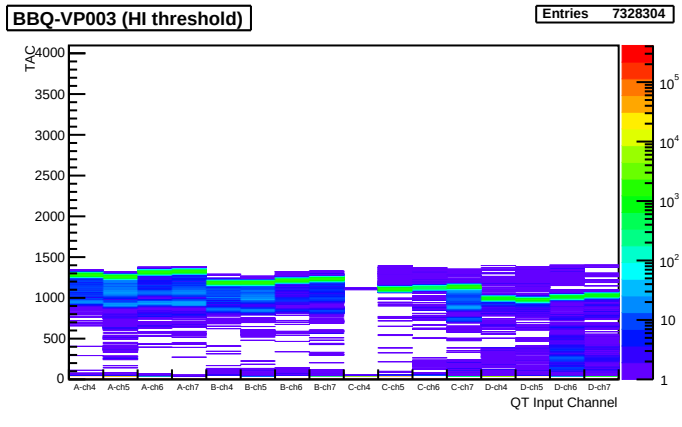

BBQ-VP001 (LO threshold)
Entries 7328304
ADC
QT Input Channel

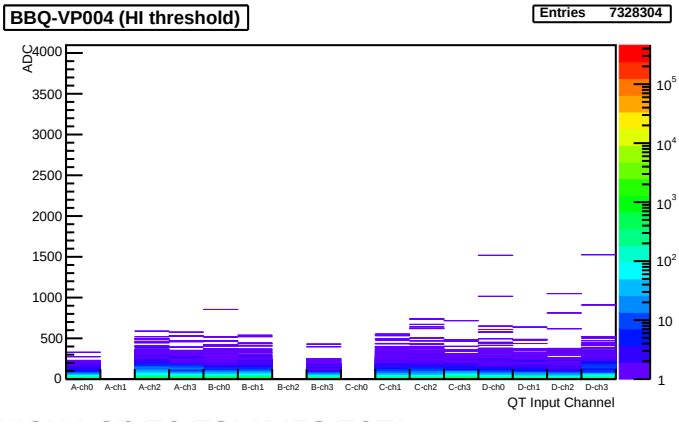

BBQ-VP001 (LO threshold)
Entries 7328304
TAC
QT Input Channel

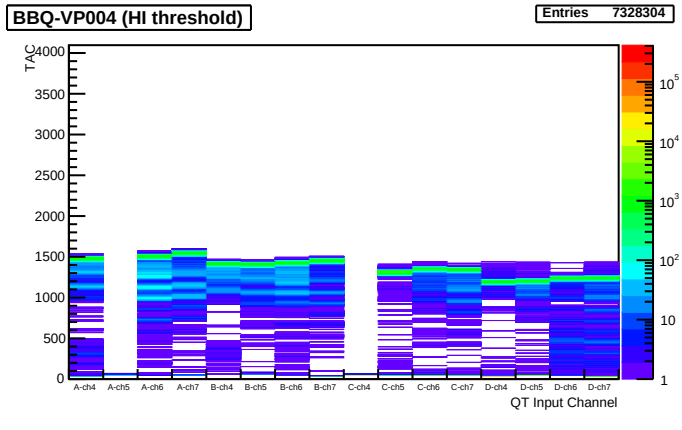

BBQ-VP002 (LO threshold)
Entries 7328304
ADC
QT Input Channel

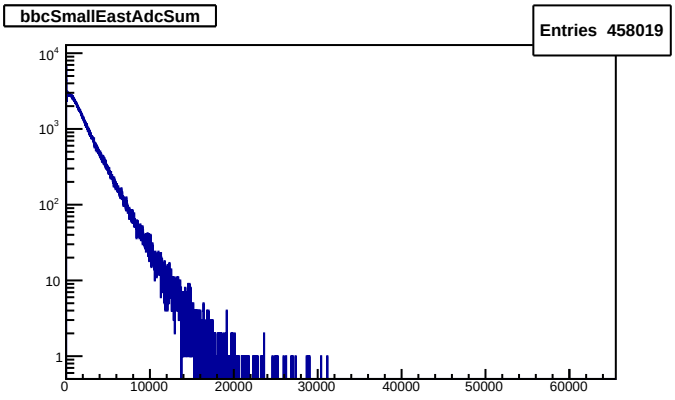

BBQ-VP002 (LO threshold)
Entries 7328304
TAC
QT Input Channel

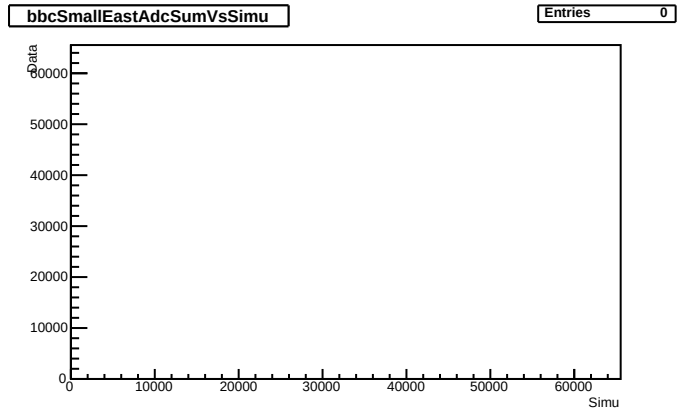

BBQ-VP003 (HI threshold)
Entries 7328304
ADC
QT Input Channel

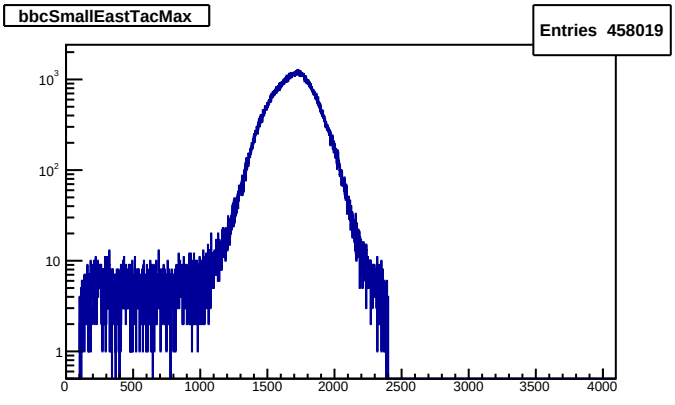

BBQ-VP003 (HI threshold)
Entries 7328304
TAC
QT Input Channel

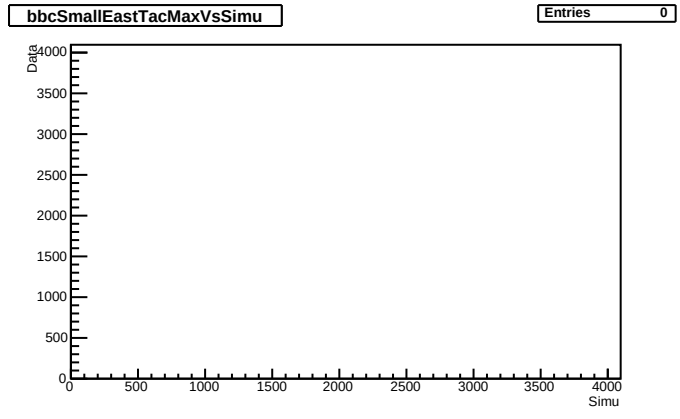

BBQ-VP004 (HI threshold)
Entries 7328304
ADC
QT Input Channel

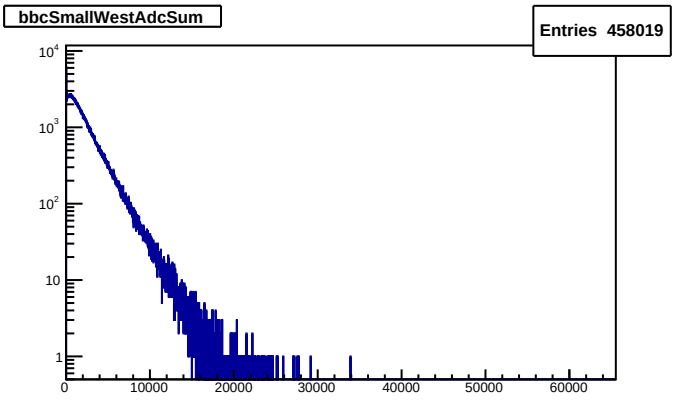

BBQ-VP004 (HI threshold)
Entries 7328304
TAC
QT Input Channel

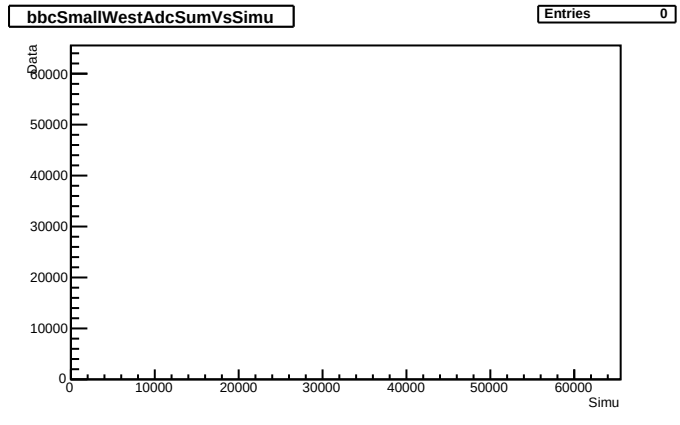

bbcSmallEastAdcSum
Entries 458019

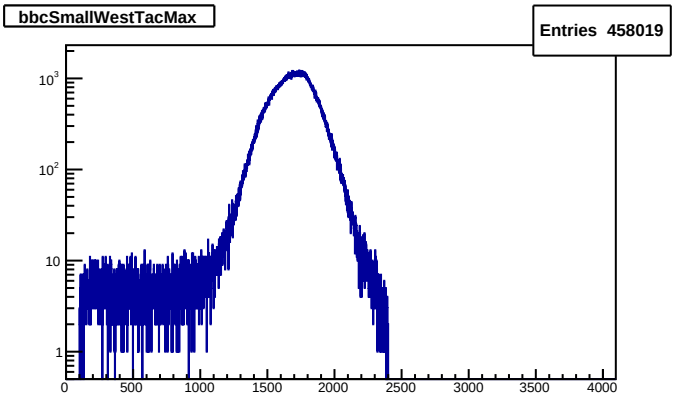

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

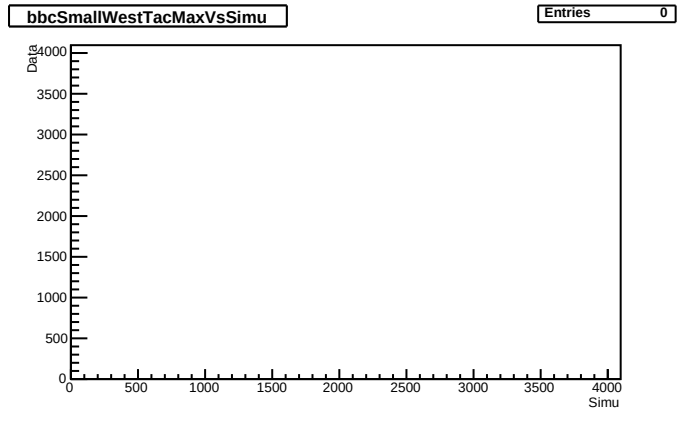

bbcSmallEastTacMax
Entries 458019

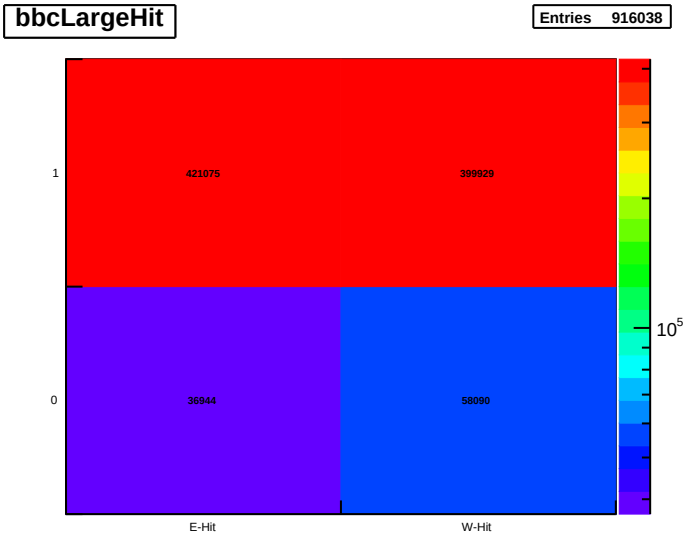

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

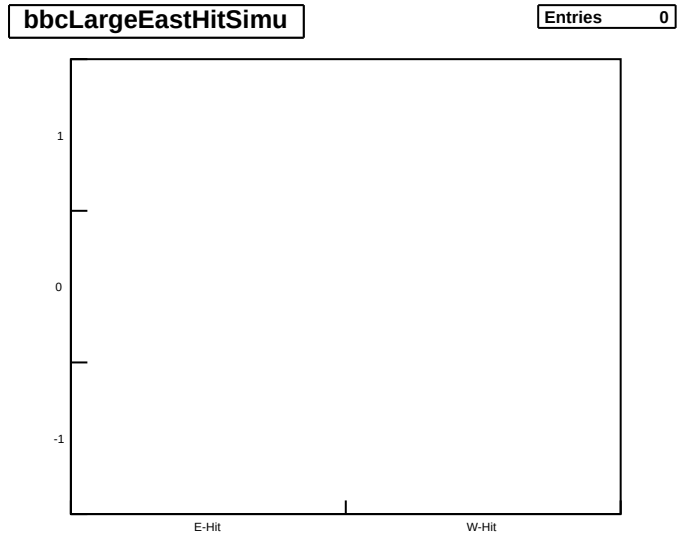

bbcSmallWestAdcSum
Entries 458019

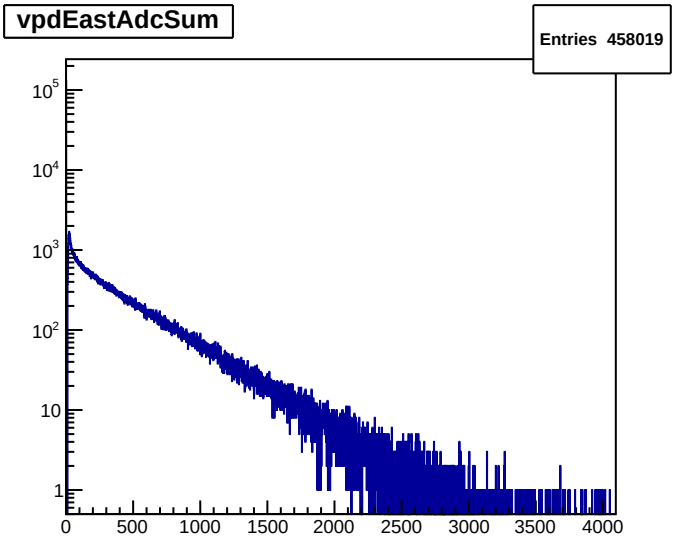

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

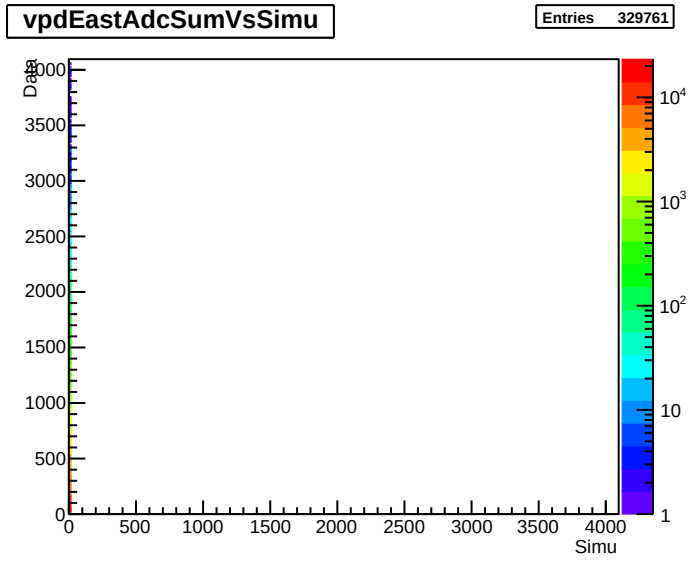

bbcSmallWestTacMax
Entries 458019

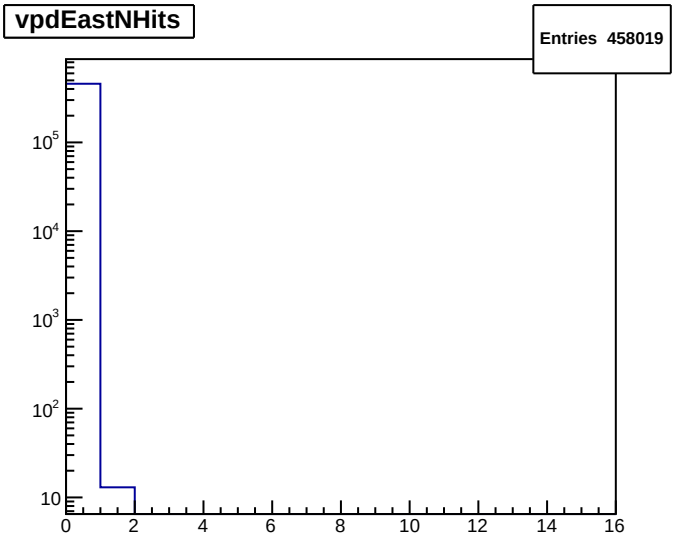

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

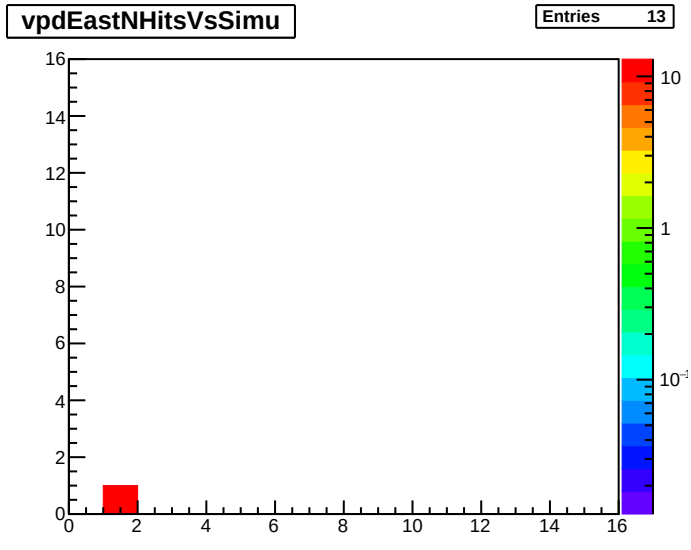

bbcLargeHit
Entries 916038
1
0
421075
399929
36944
58090
E-Hit
W-Hit
$10^5$

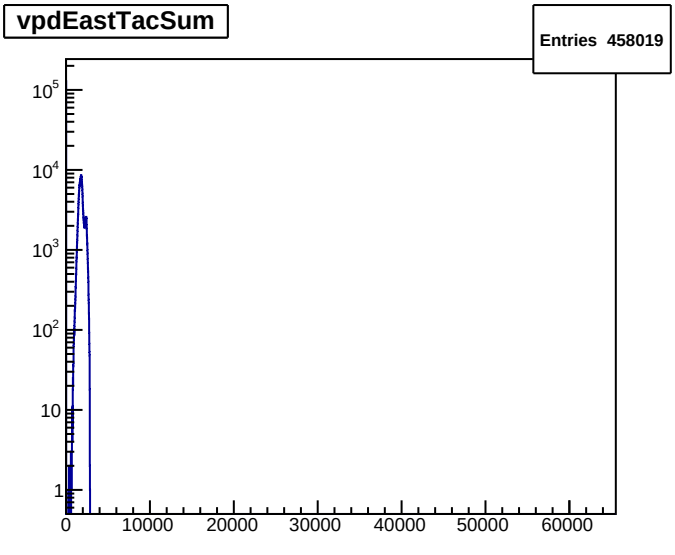

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

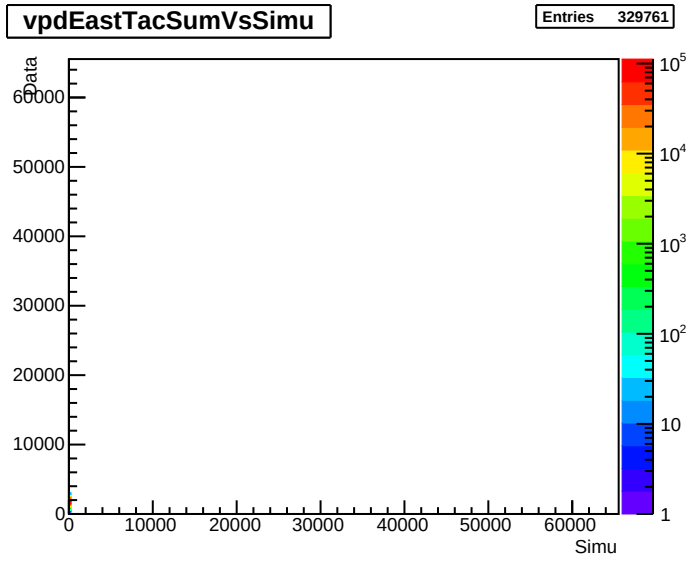

vpdEastAdcSum
Entries 458019

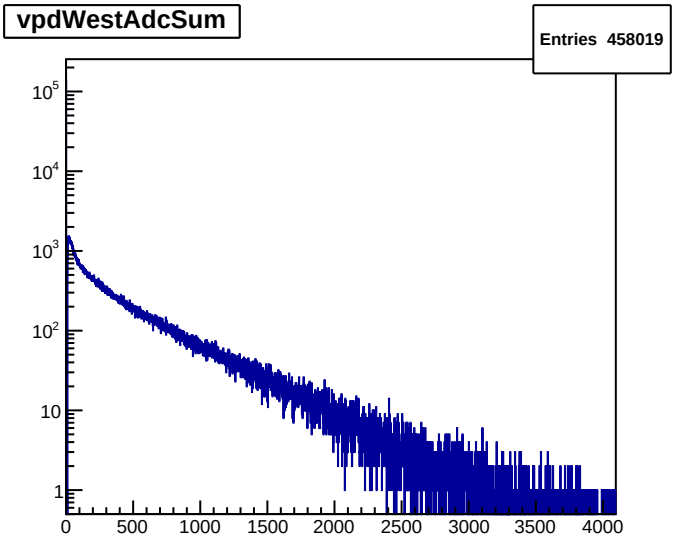

vpdEastAdcSumVsSimu
Entries 329761
Data
Simu

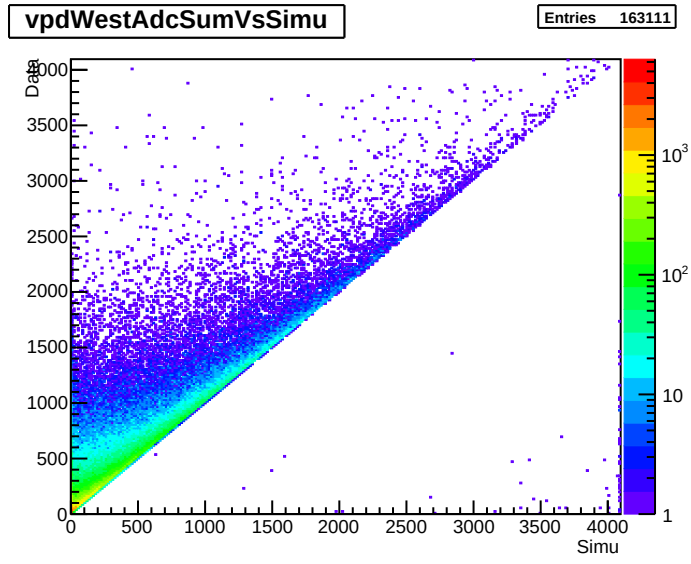

vpdEastNHits
Entries 458019

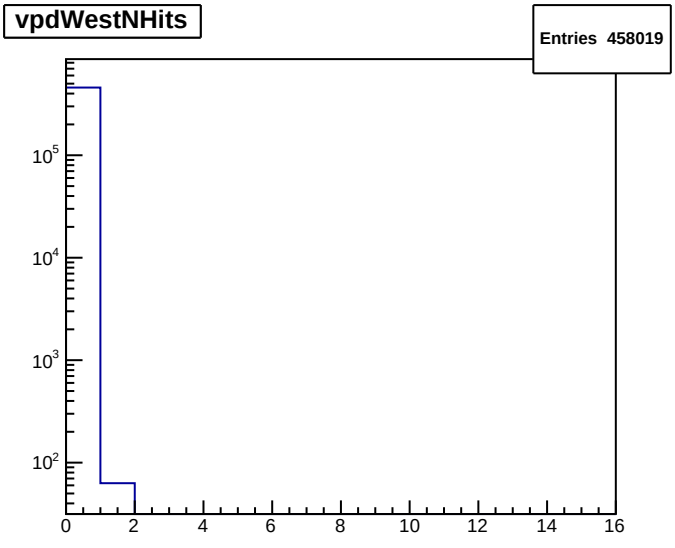

vpdEastNHitsVsSimu
Entries 13

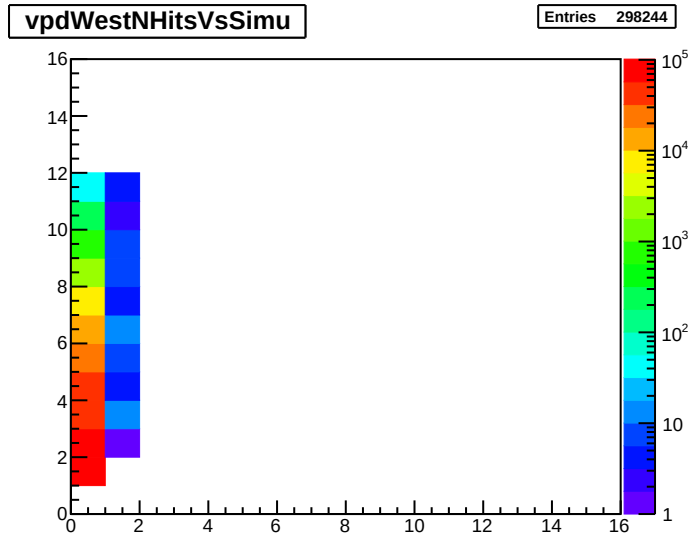

vpdEastTacSum
Entries 458019

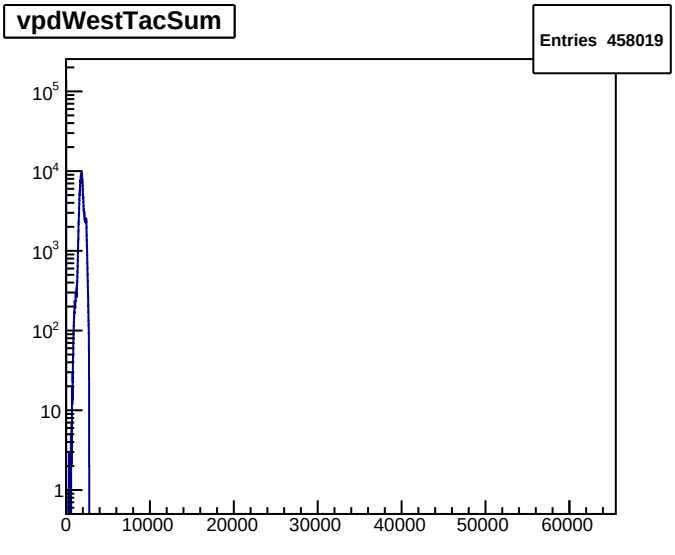

vpdEastTacSumVsSimu
Entries 329761
Data
Simu

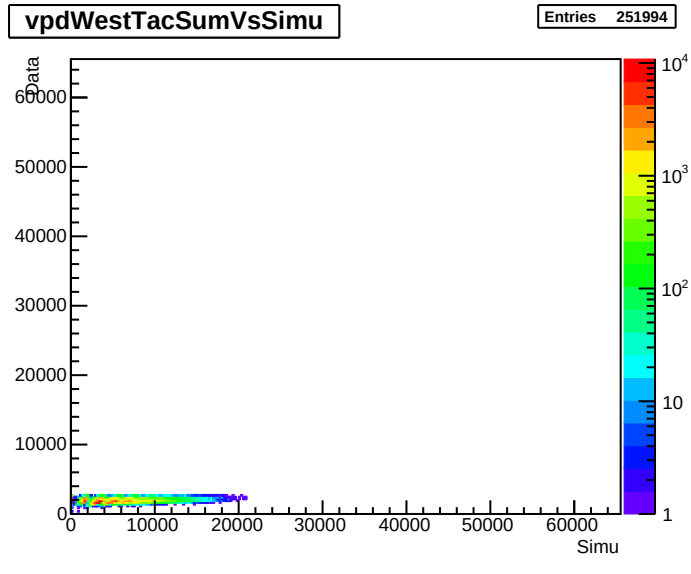

vpdWestAdcSum
Entries 458019

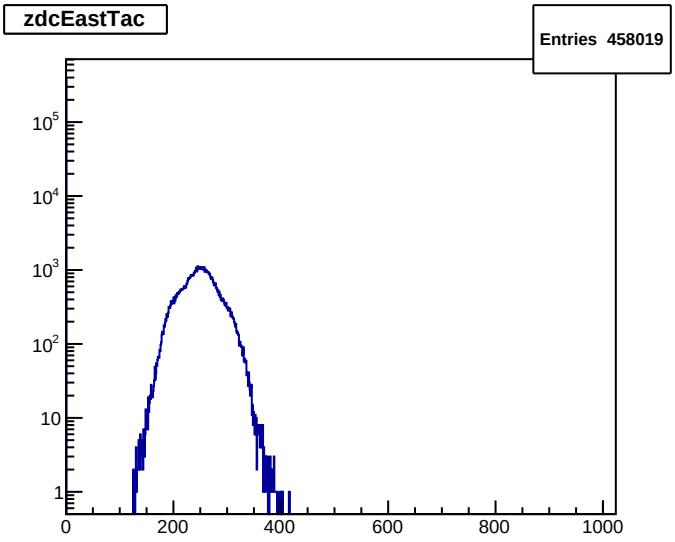

vpdWestAdcSumVsSimu
Entries 163111
Data
Simu

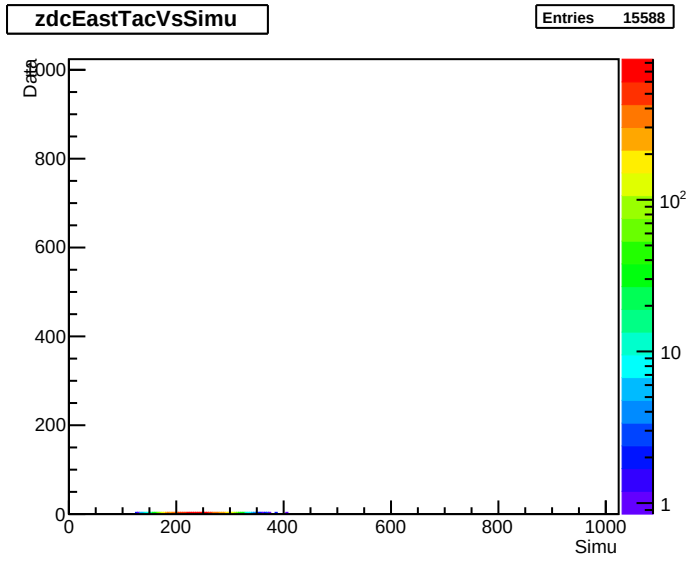

vpdWestNHits
Entries 458019

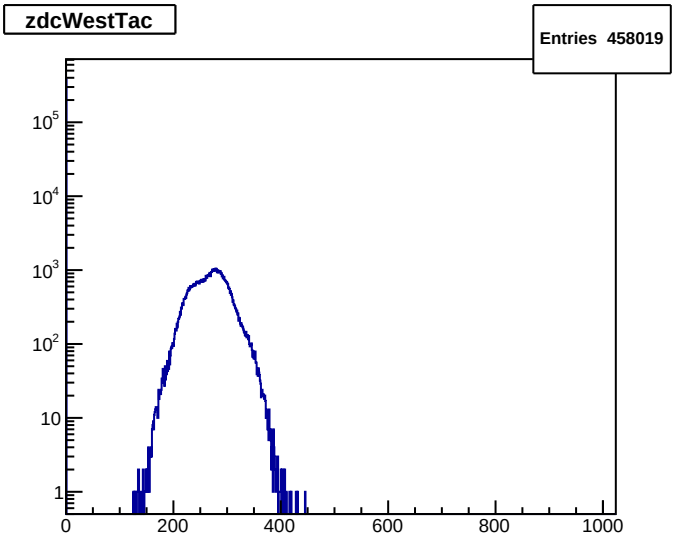

vpdWestNHitsVsSimu
Entries 298244

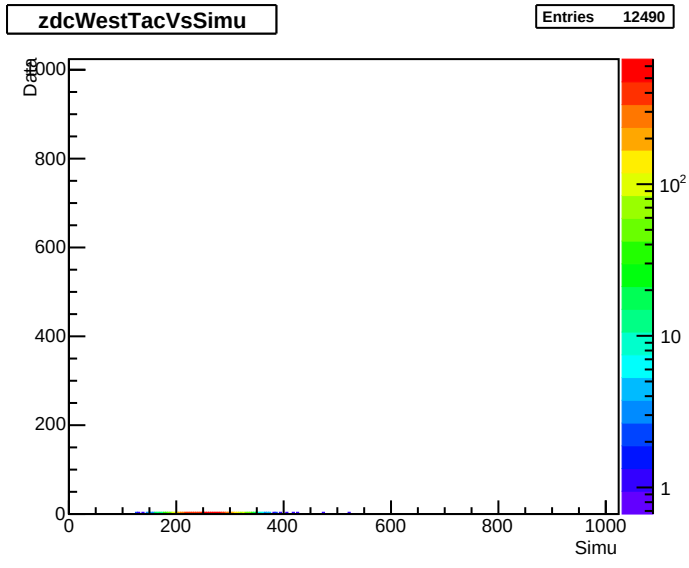

vpdWestTacSum
Entries 458019

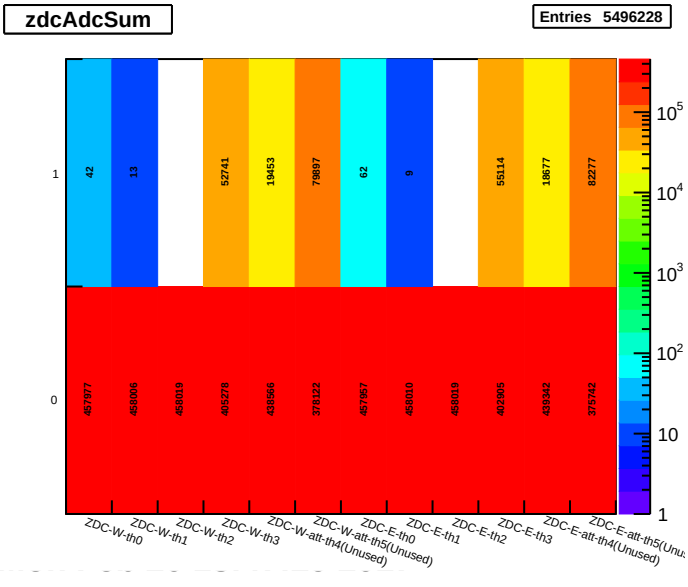

vpdWestTacSumVsSimu
Entries 251994
Data
Simu

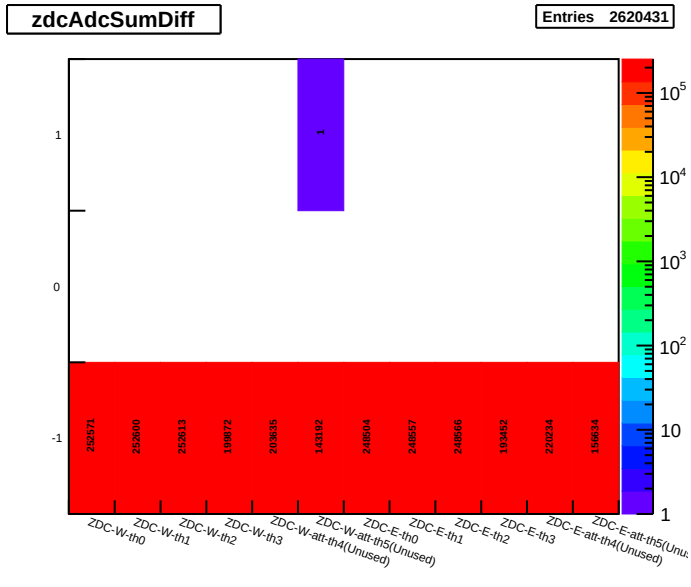

zdcEastTac
Entries 458019

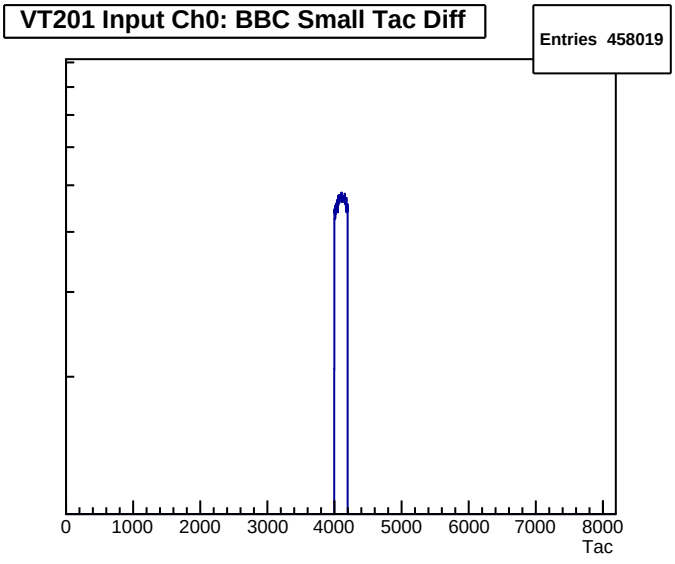

zdcEastTacVsSimu
Entries 15588
Data
Simu

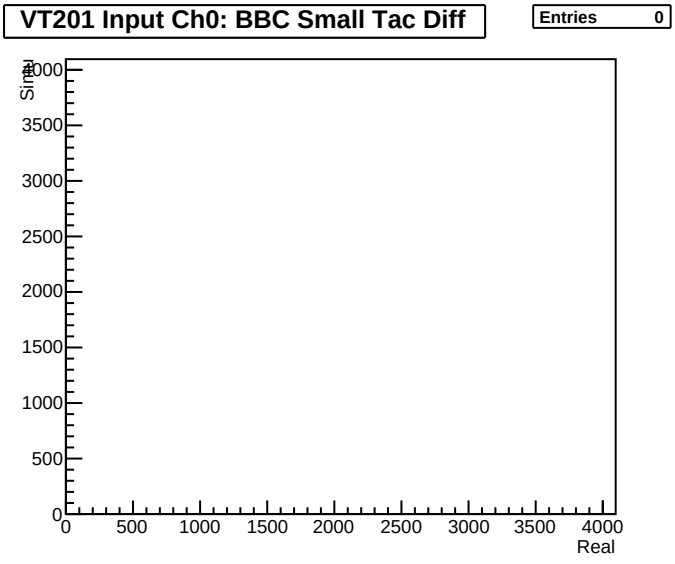

zdcWestTac
Entries 458019

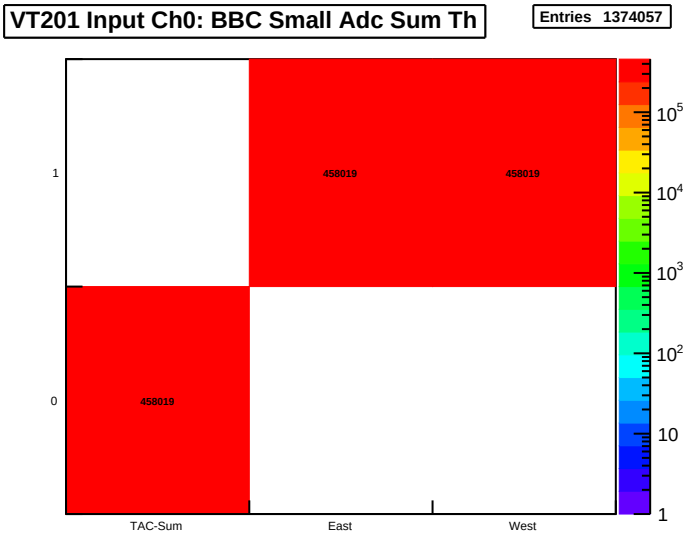

zdcWestTacVsSimu
Entries 12490
Data
Simu

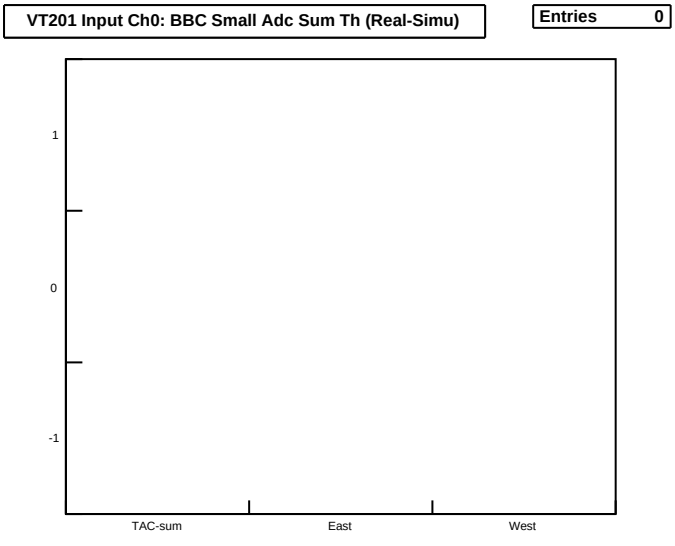

zdcAdcSum
Entries 5496228
42
13
52741
19453
79897
62
9
55114
18677
82277
457977
458006
458019
405278
438566
378122
457957
458010
458019
402305
439342
375742
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

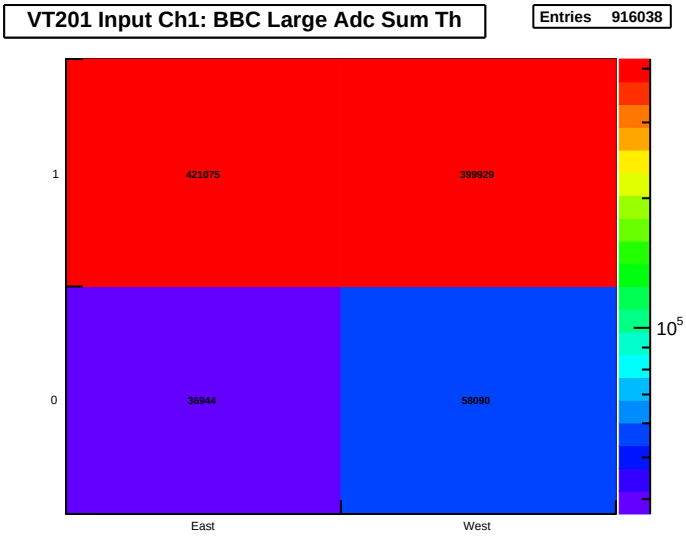

zdcAdcSumDiff
Entries 2620431
1
252571
252600
252613
198872
203835
143182
248504
248557
248566
193452
220234
156634
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

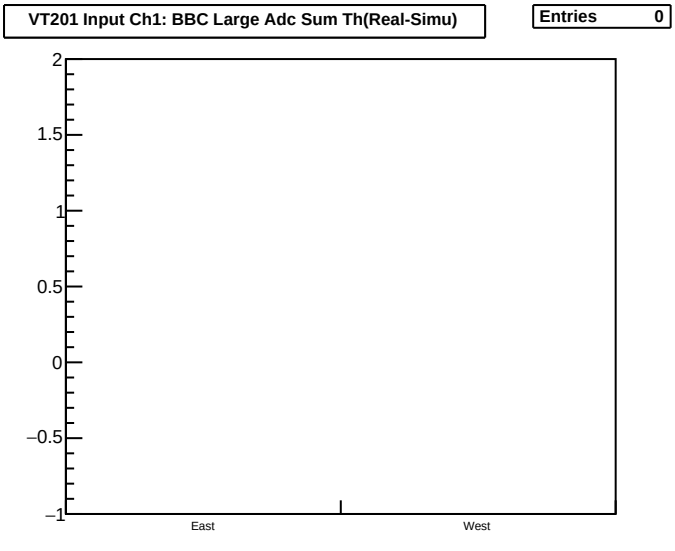

VT201 Input Ch0: BBC Small Tac Diff
Entries 458019
0
1000
2000
3000
4000
5000
6000
7000
8000
Tac


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

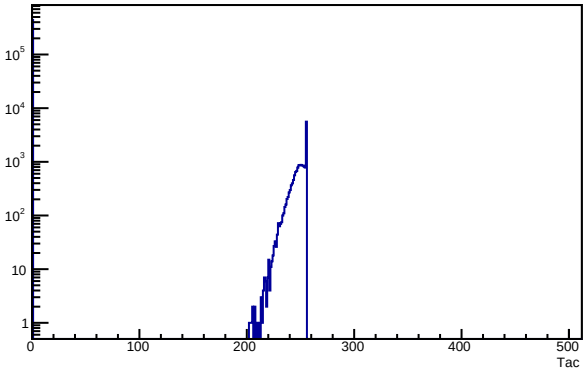

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1374057
1
0
458019
458019
458019
TAC-Sum
East
West
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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

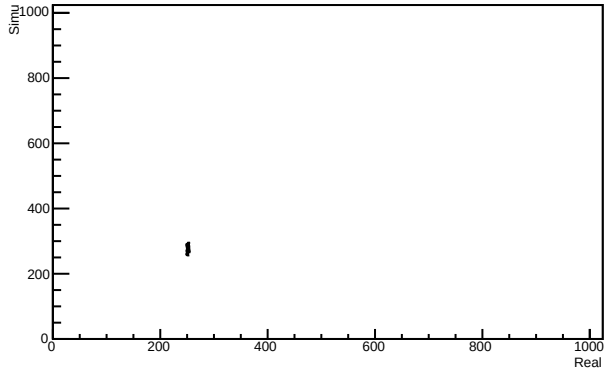

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 916038
1
0
421075
399929
36944
58090
East
West
$10^5$


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

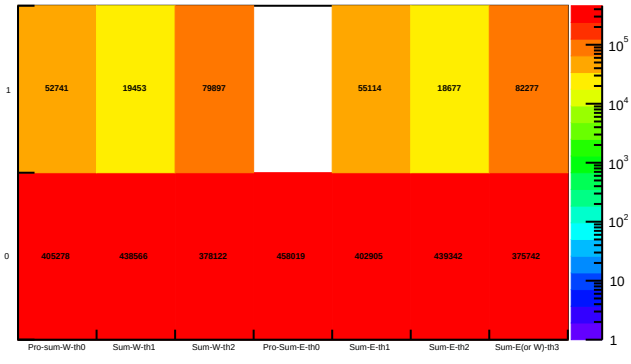
**VT201 Input Ch2: ZDC Tac Diff**



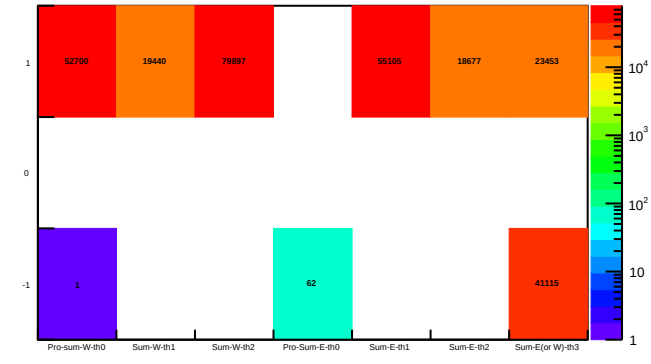

**VT201 Input Ch2: ZDC Tac Diff**



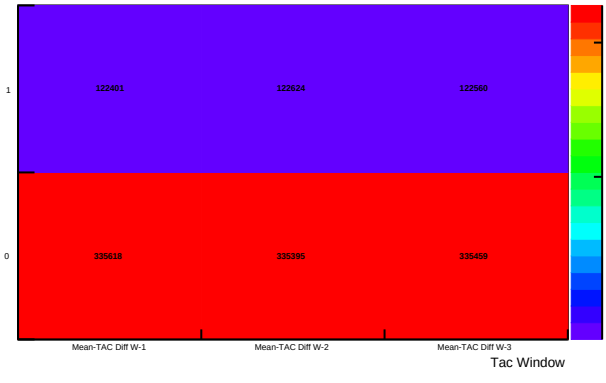

**VT201 Input Ch2: ZDC Adc Sum Th**



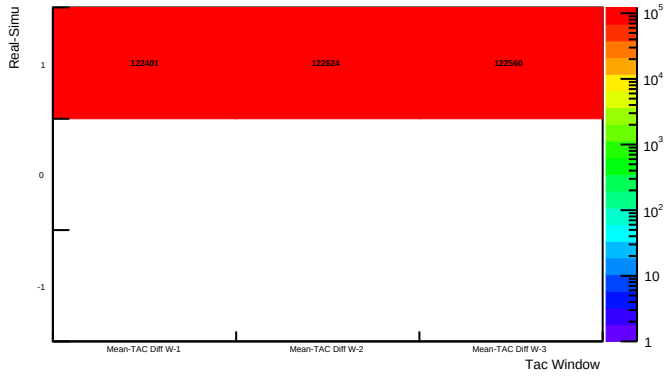

**VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)**



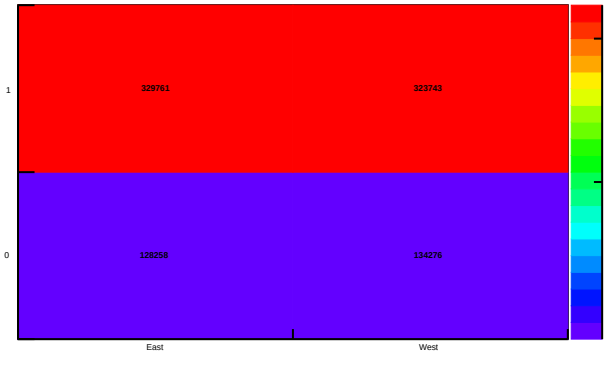

**VT201 Input Ch4: VPD Tac Diff**



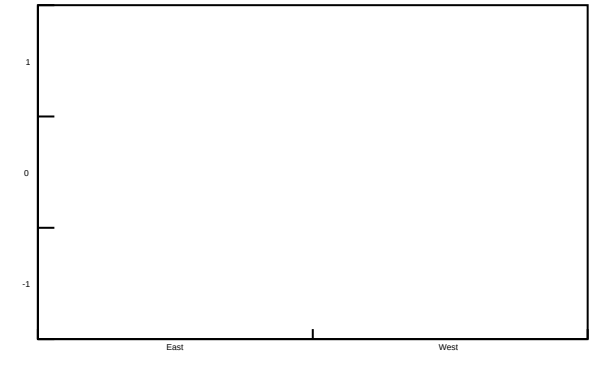

**VT201 Input Ch4: VPD Tac Diff**

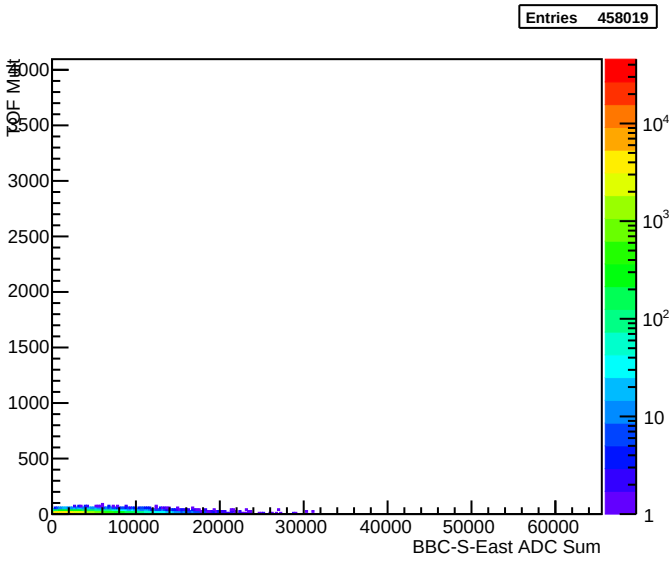


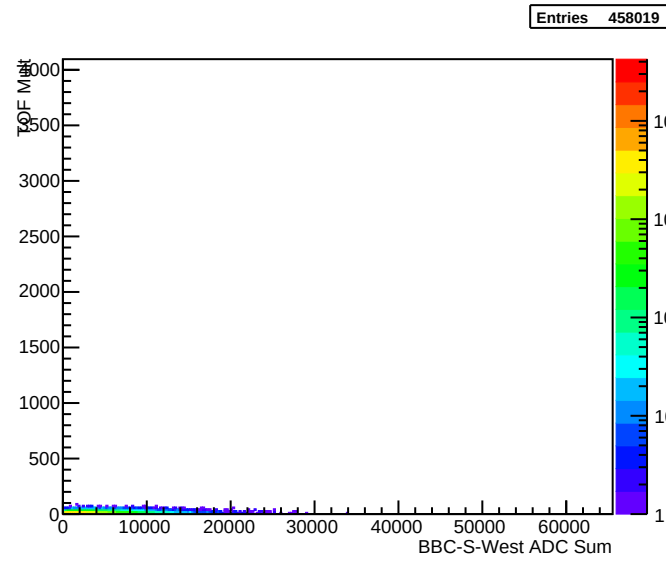

**VT201 Input Ch4: VPD Adc Sum Th**

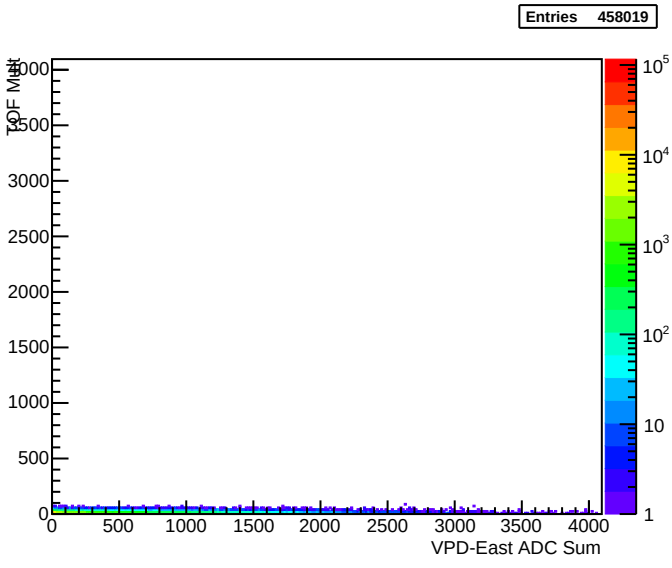


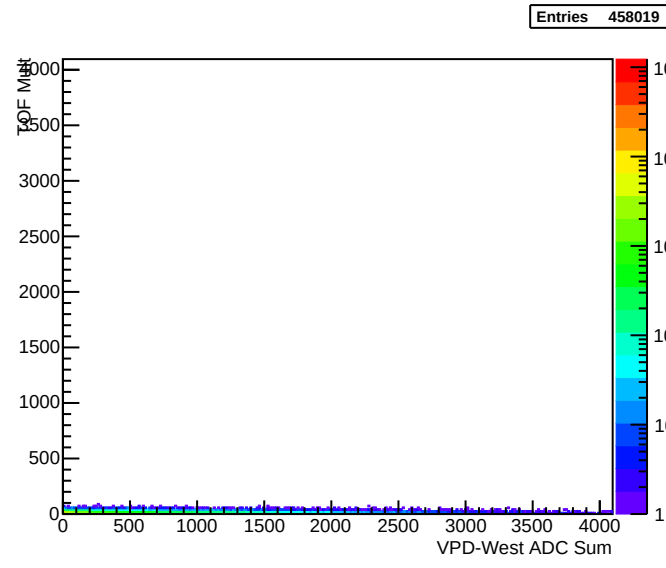

**VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)**

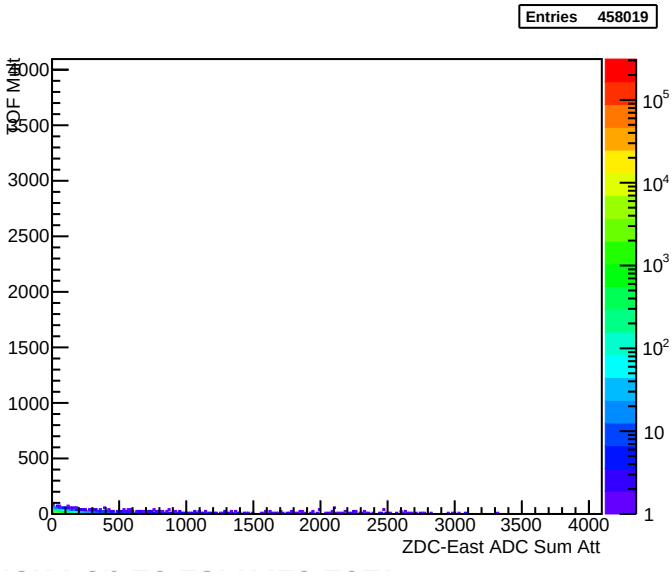


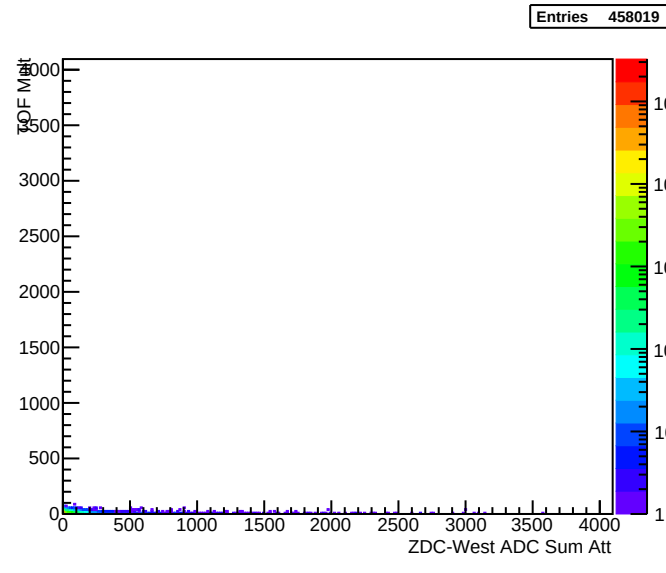

Entries 458019
TOF Mult
BBC-S-East ADC Sum

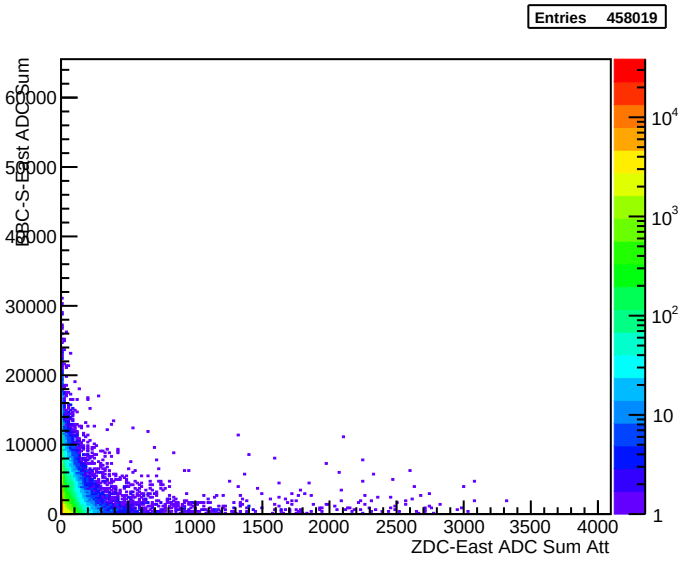

Entries 458019
TOF Mult
BBC-S-West ADC Sum

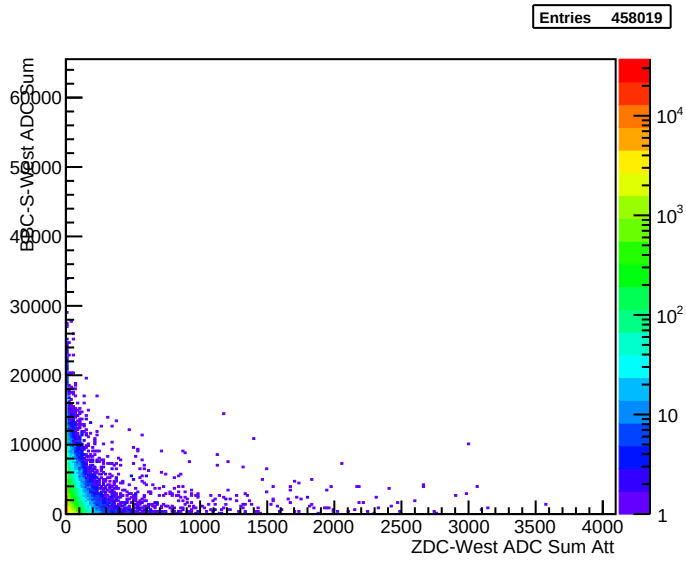

Entries 458019
TOF Mult
VPD-East ADC Sum

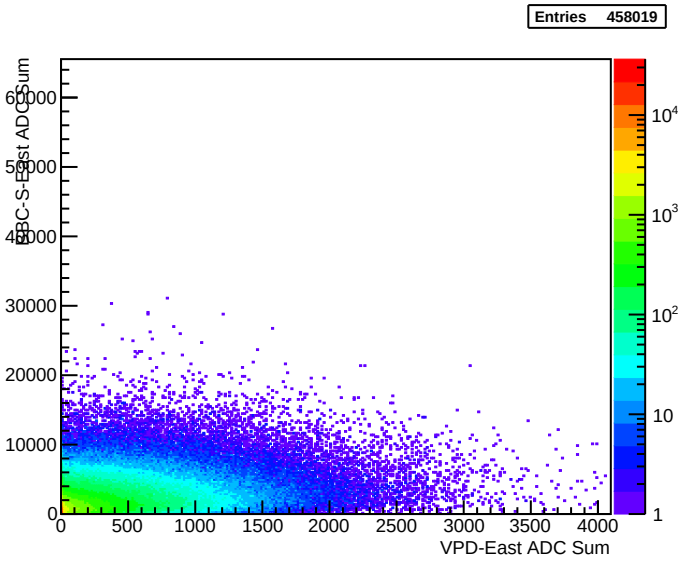

Entries 458019
TOF Mult
VPD-West ADC Sum

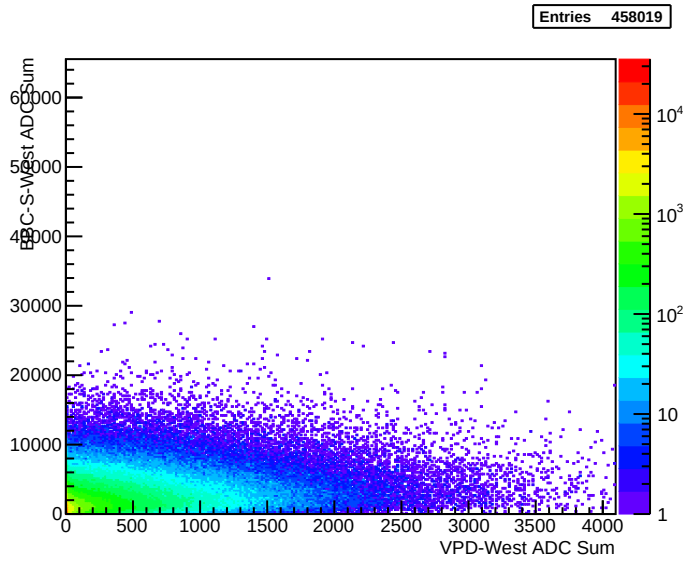

Entries 458019
TOF Mult
ZDC-East ADC Sum Att

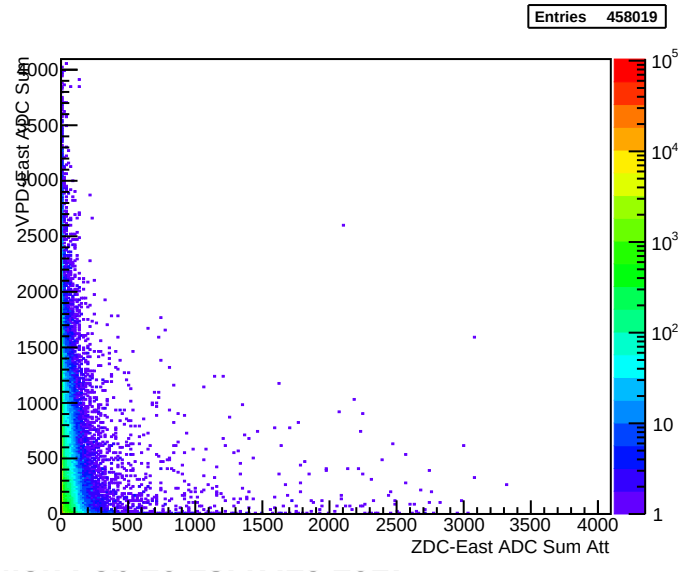

Entries 458019
TOF Mult
ZDC-West ADC Sum Att

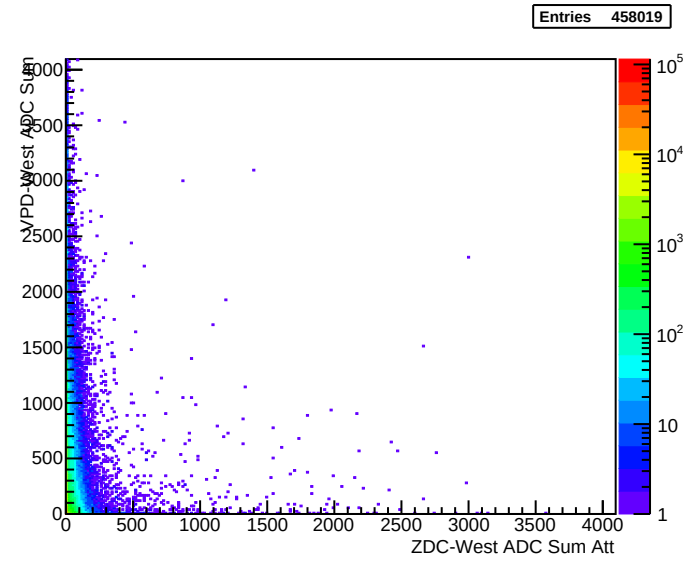

Entries 458019
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

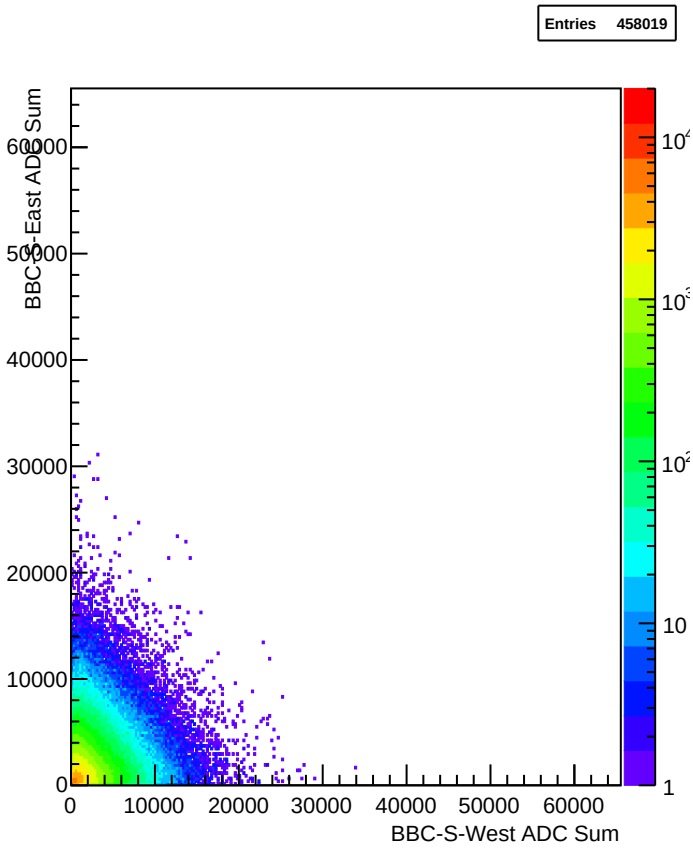

Entries 458019
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

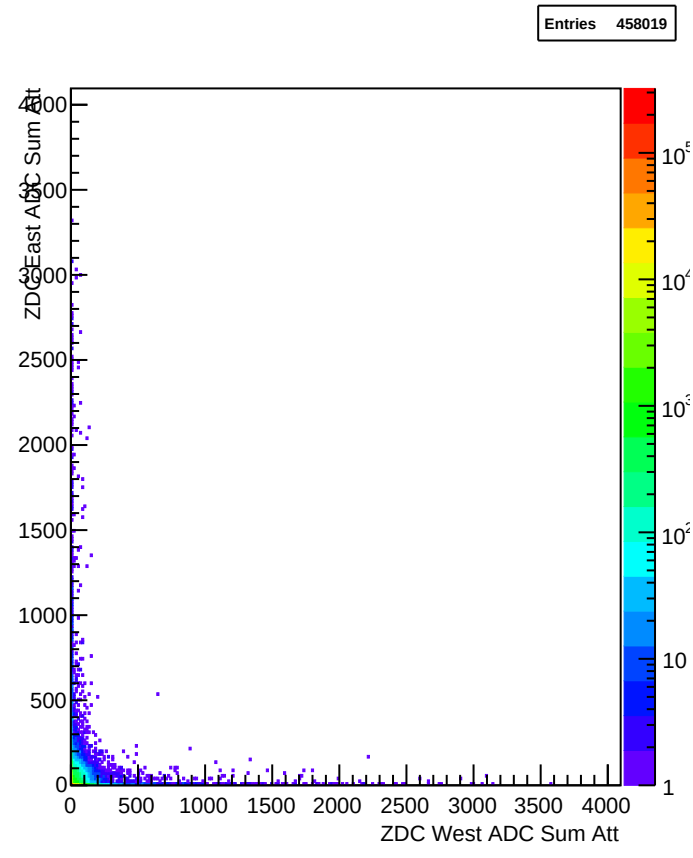

Entries 458019
BBC-S-East ADC Sum
VPD-East ADC Sum

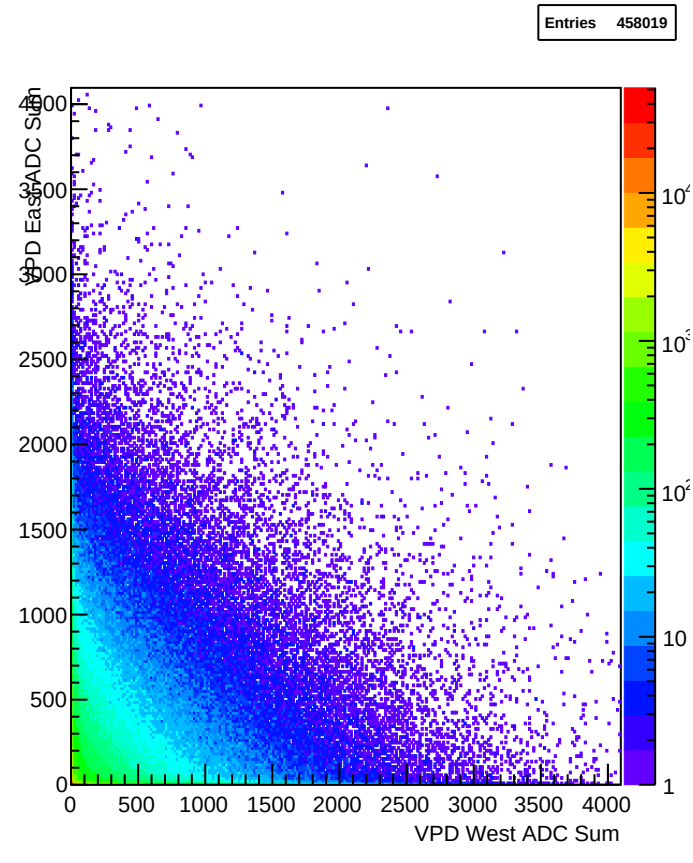

Entries 458019
BBC-S-West ADC Sum
VPD-West ADC Sum

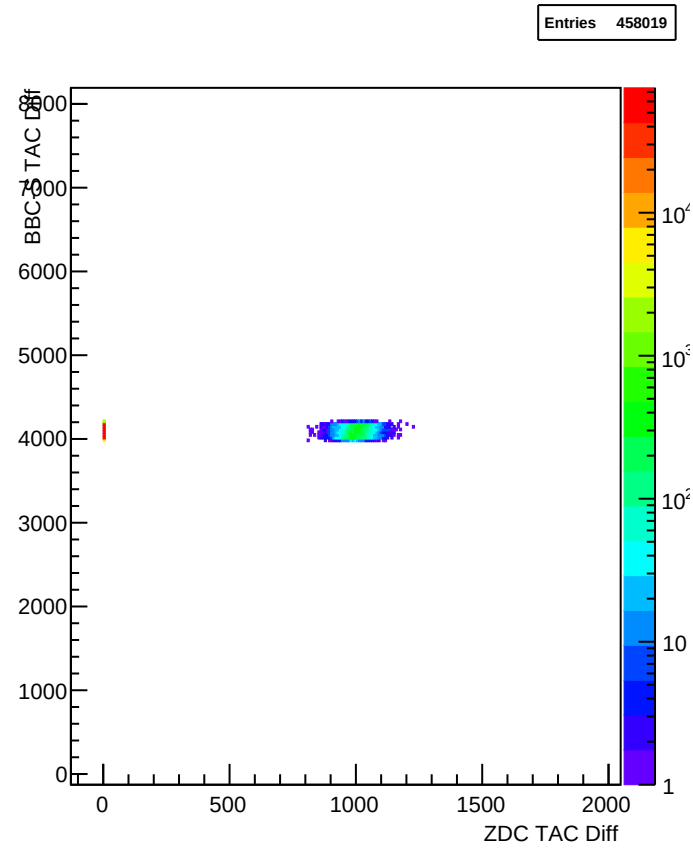

Entries 458019
VPD-East ADC Sum
ZDC-East ADC Sum Att

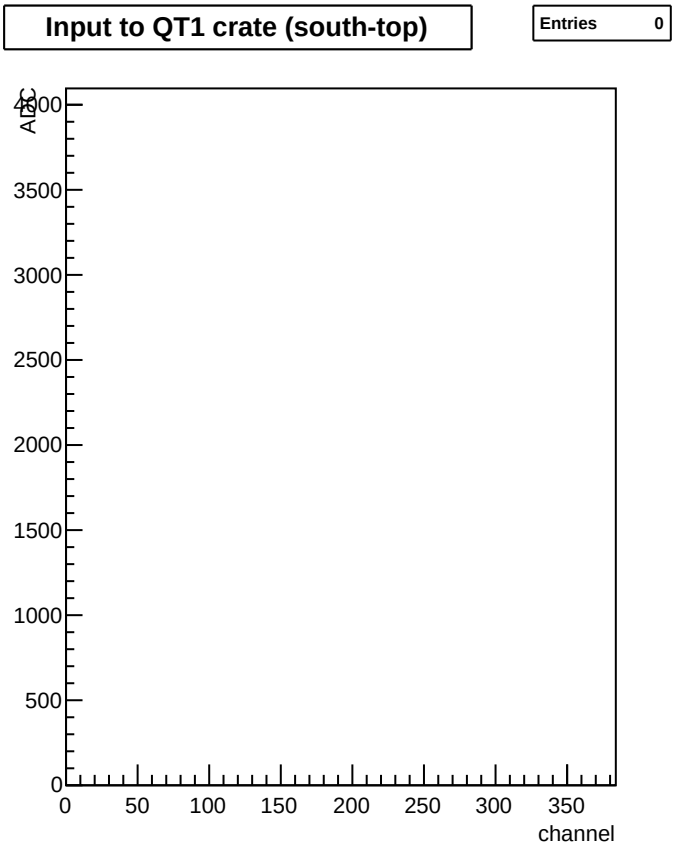

Entries 458019
VPD-West ADC Sum
ZDC-West ADC Sum Att

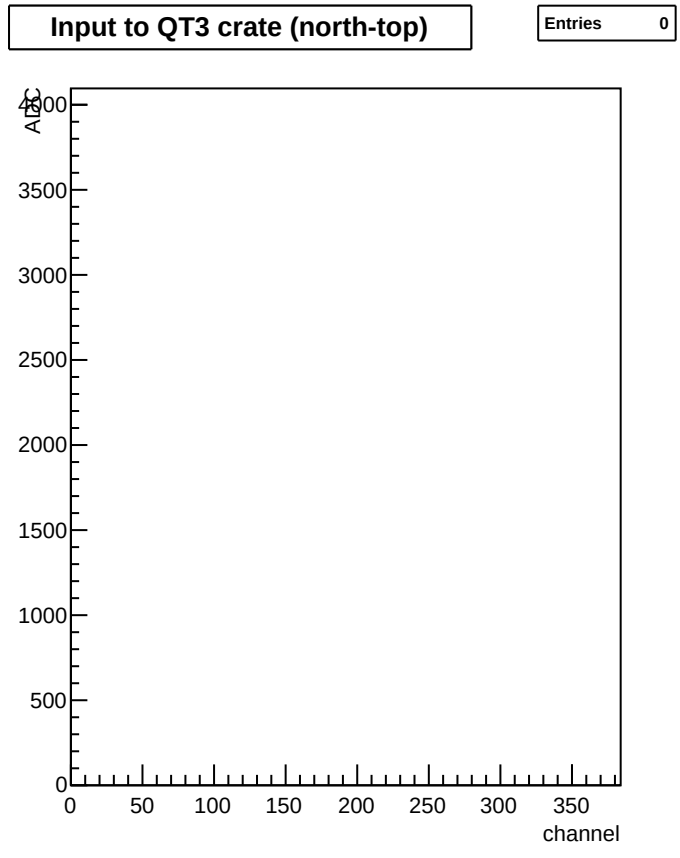

Entries 458019
BBC-S-East ADC Sum
BBC-S-West ADC Sum

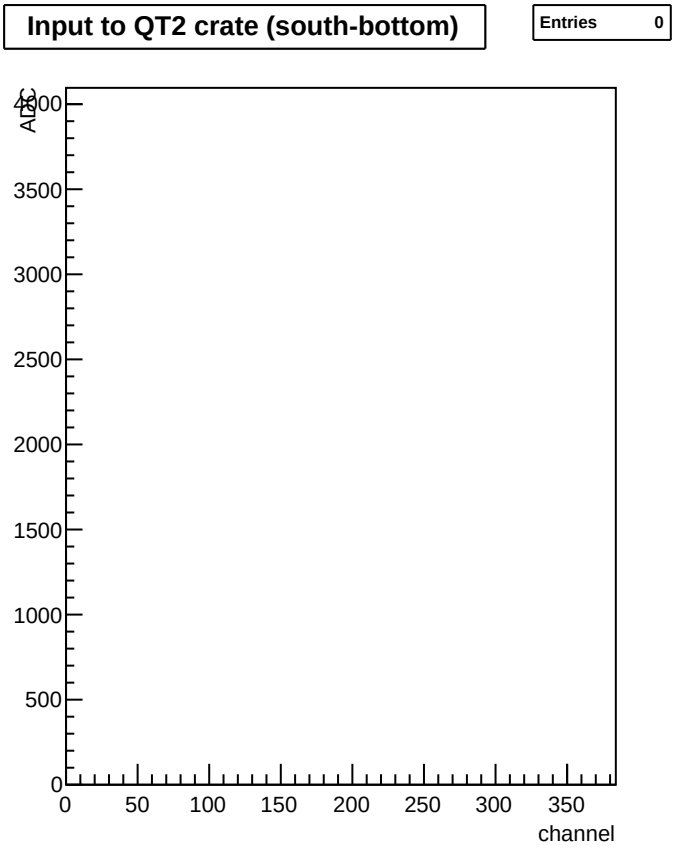

Entries 458019
ZDC East ADC Sum Att
ZDC West ADC Sum Att

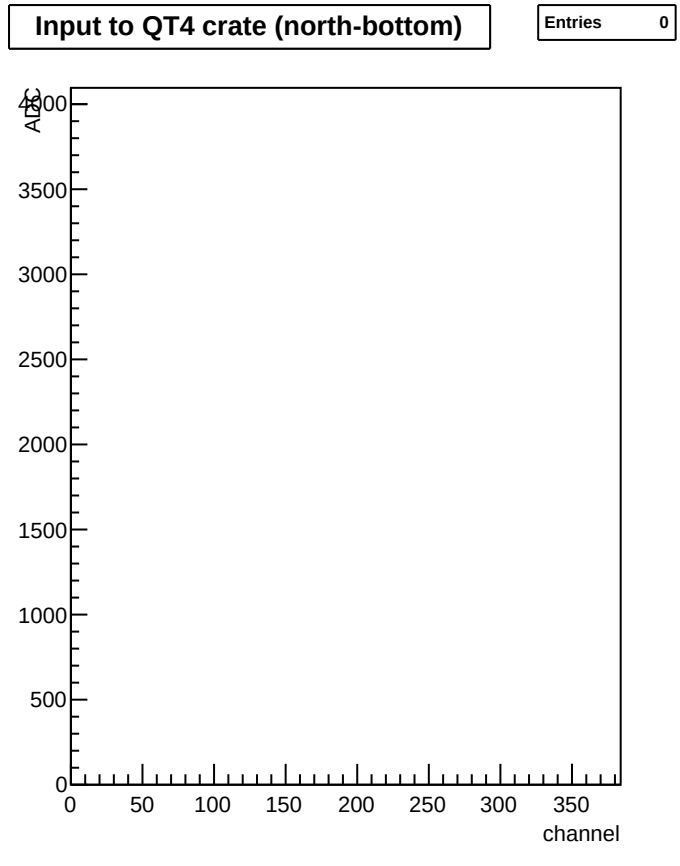

Entries 458019
VPD East ADC Sum
VPD West ADC Sum

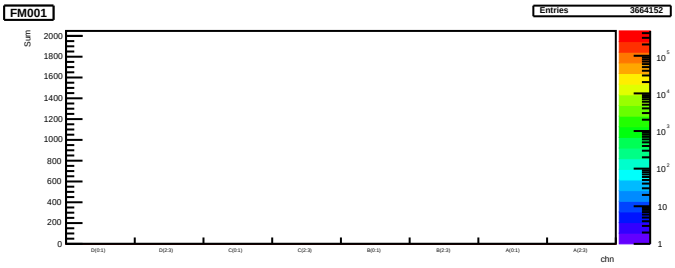

Entries 458019
BBC-S TAC Diff
ZDC TAC Diff

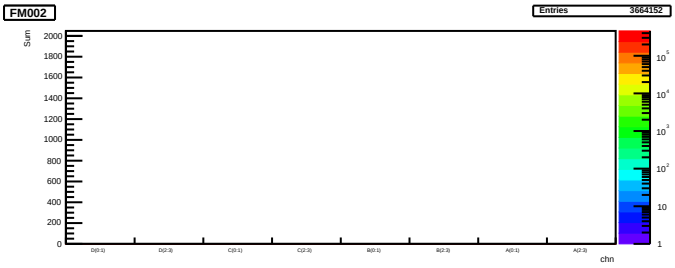

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

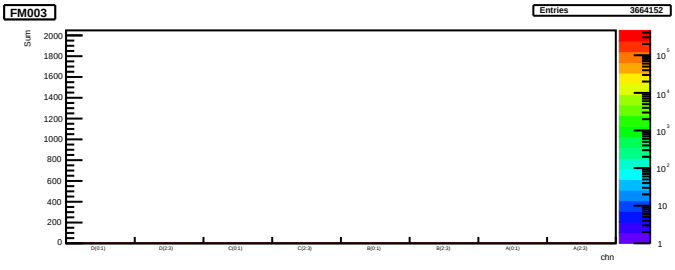

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

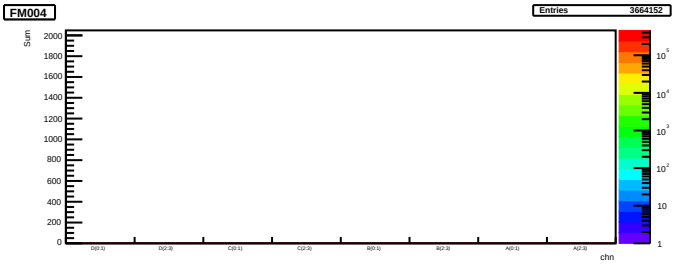

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

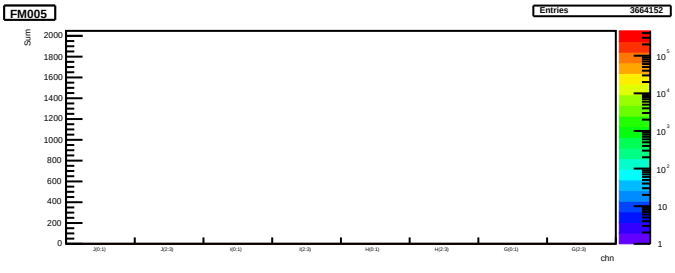

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

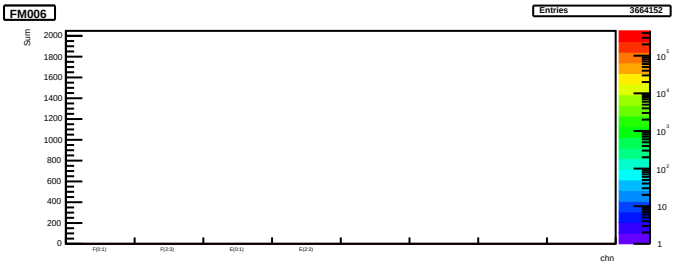

FM001
Entries 3664152
Sum
chn

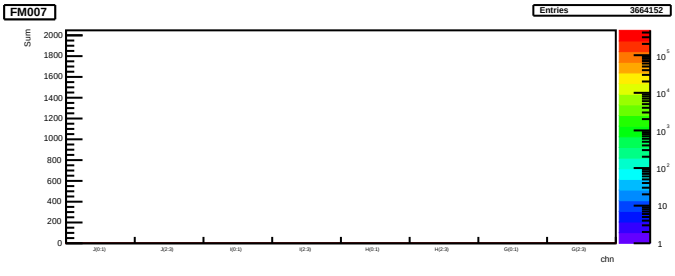

FM002
Entries 3664152
Sum
chn

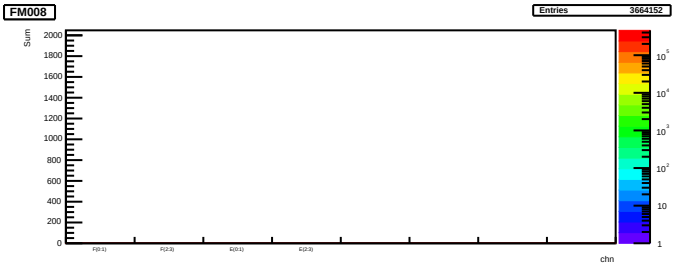

FM003
Entries 3664152
Sum
chn

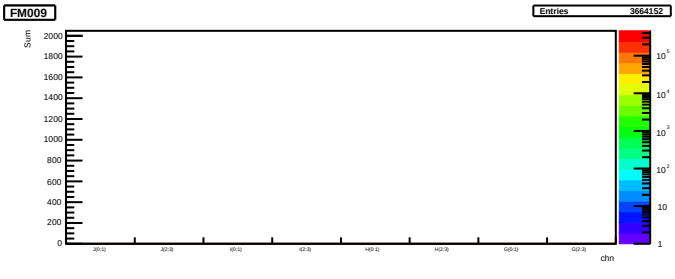

FM004
Entries 3664152
Sum
chn

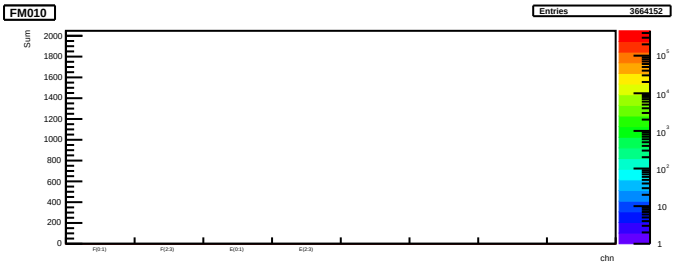

FM005
Entries 3664152
Sum
chn

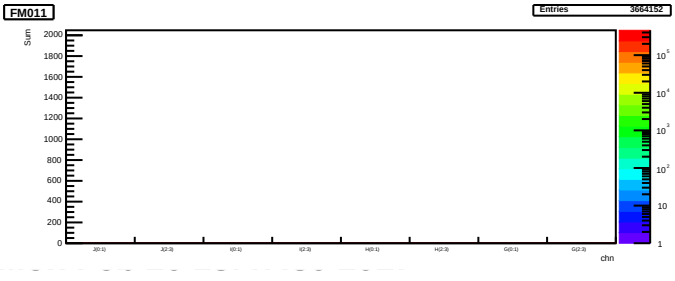

FM006
Entries 3664152
Sum
chn


FM007
Entries 3664152
Sum
chn


FM008
Entries 3664152
Sum
chn


FM009
Entries 3664152
Sum
chn


FM010
Entries 3664152
Sum
chn


FM011
Entries 3664152
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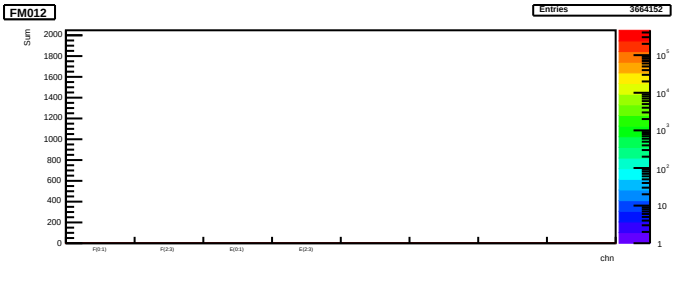
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Sum
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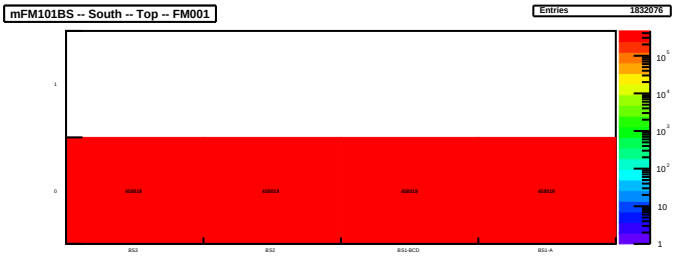
mFM101BS -- South -- Top -- FM001
Entries 1832076
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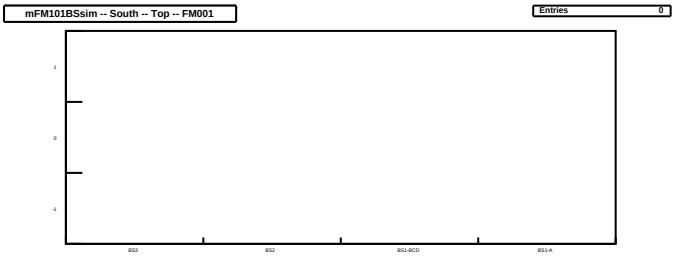
458019
BS3
BS2
BS1-BCD
BS1-A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Entries 0
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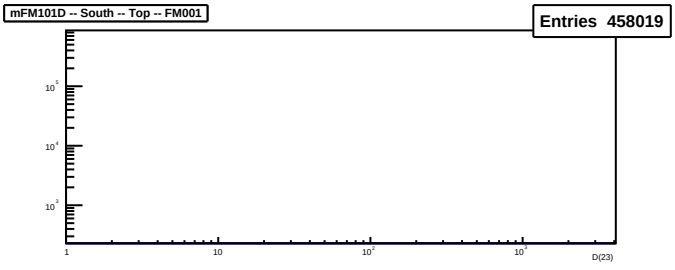
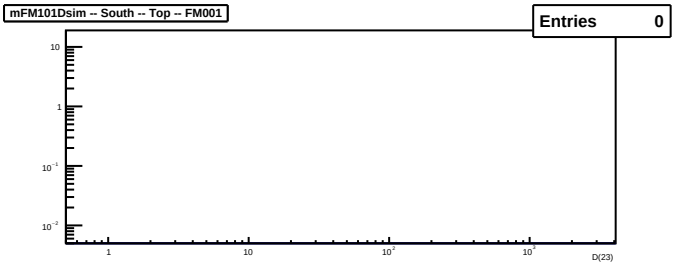
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Top -- FM001
Entries 458019
D(23)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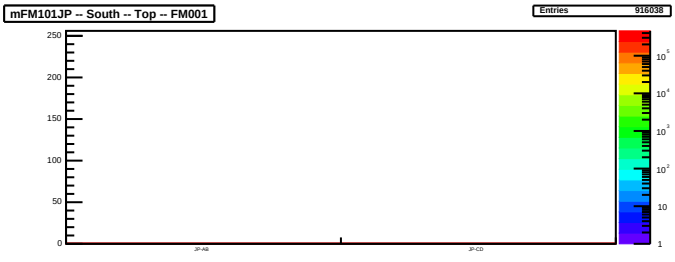
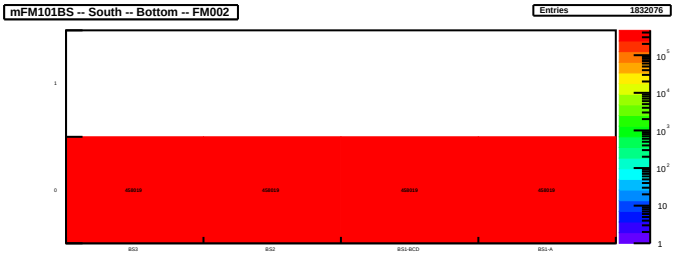
Entries 0
D(23)


mFM101JP -- South -- Top -- FM001
Entries 916038
JP-AB
JP-CD

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


mFM101BS -- South -- Bottom -- FM002
Entries 1832076
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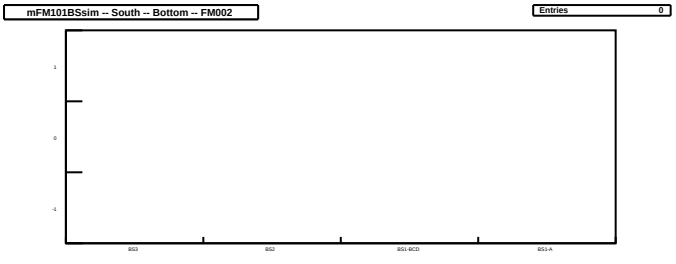
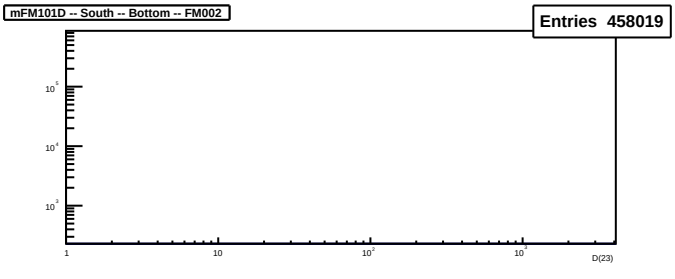
BS3
BS2
BS1-BCD
BS1-A


mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A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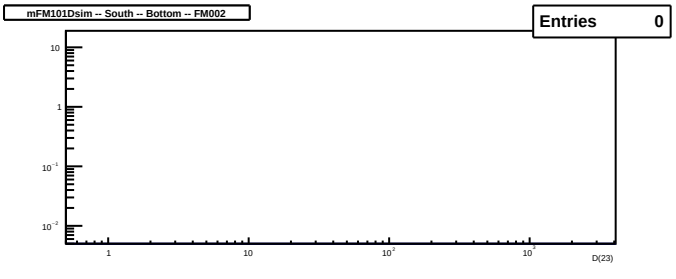
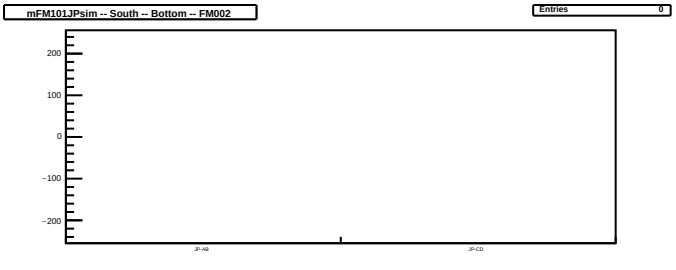
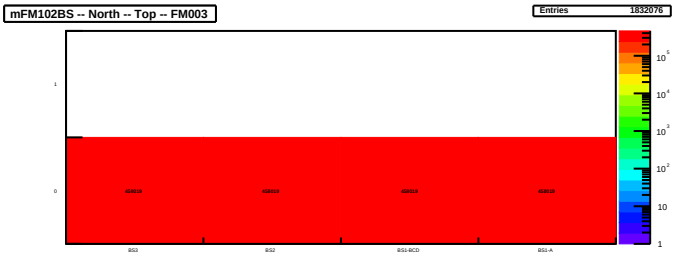
Entries 458019
D(23)


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

mFM101JP -- South -- Bottom -- FM002
Entries 916038
JP-AB
JP-CD


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


mFM102BS -- North -- Top -- FM003
Entries 1832076
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458019
BS3
BS2
BS1-BCD
BS1-A

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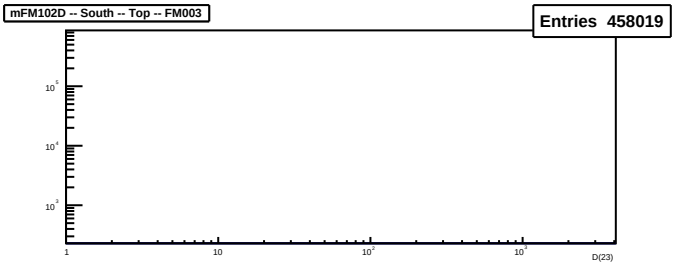
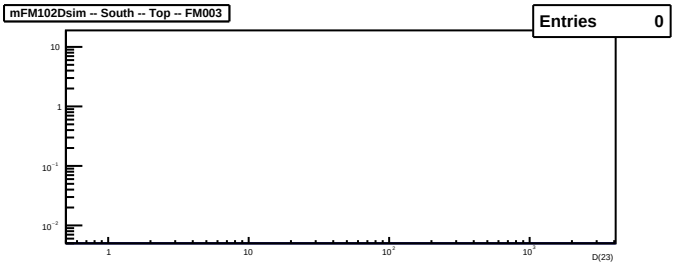
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Top -- FM003
Entries 458019
D(23)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Entries 0
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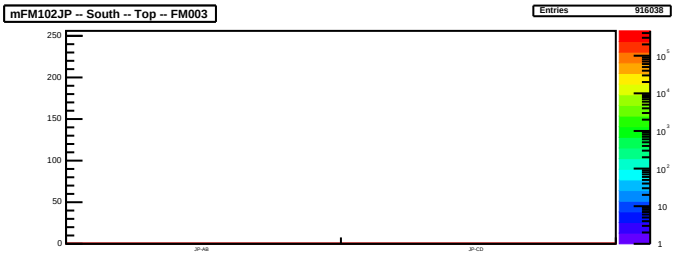
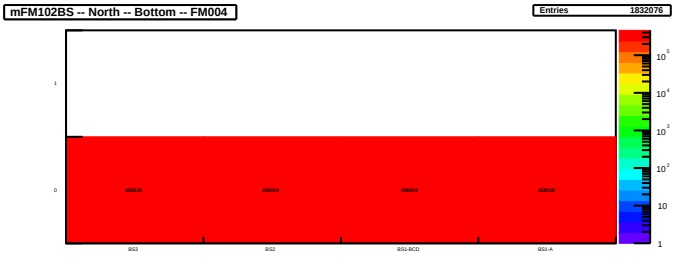

mFM102JP -- South -- Top -- FM003
Entries 916038
JP-AB
JP-CD

mFM102JPsim -- South -- Top -- FM003
Entries 0
JP-AB
JP-CD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Entries 1832076
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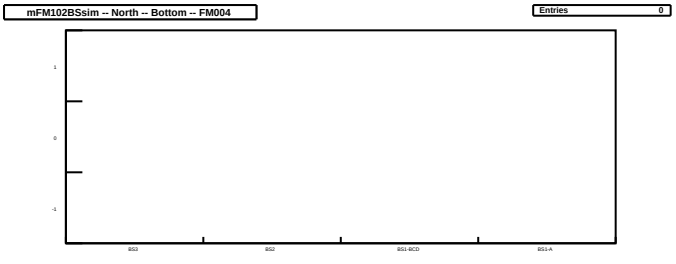
BS3
BS2
BS1-BCD
BS1-A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Entries 0
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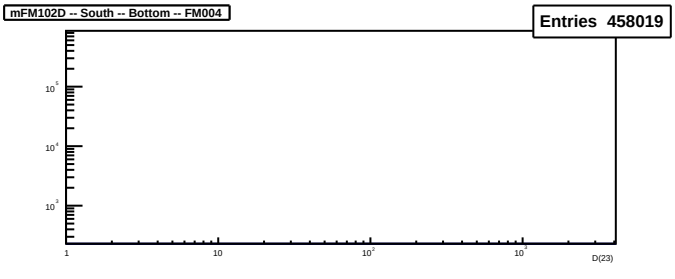
BS2
BS1-BCD
BS1-A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Entries 458019
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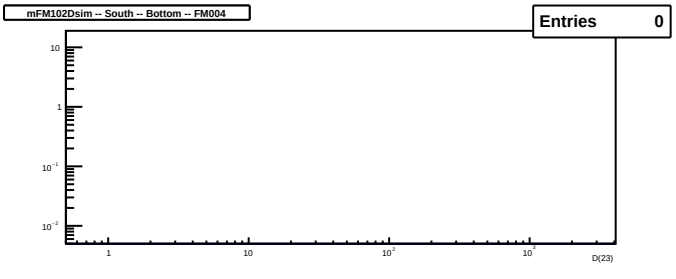
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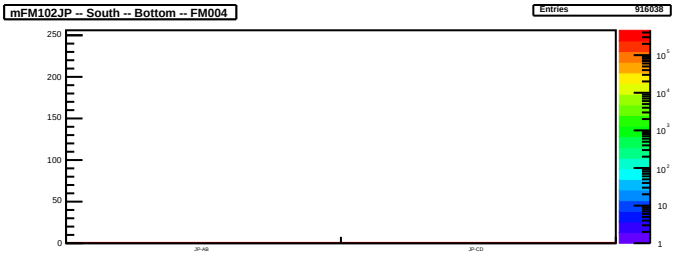
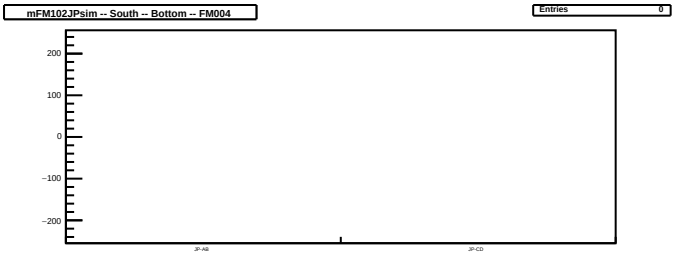
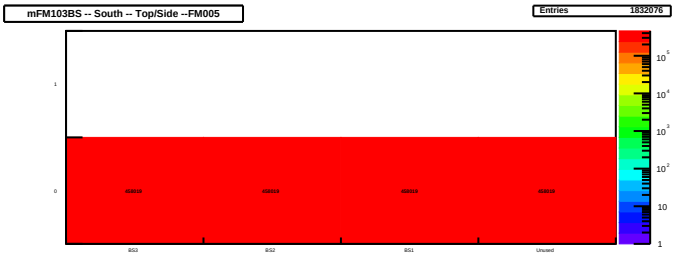
Entries 0
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 916038
JP-AB
JP-CD


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


mFM103BS -- South -- Top/Side --FM005
Entries 1832076
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BS3
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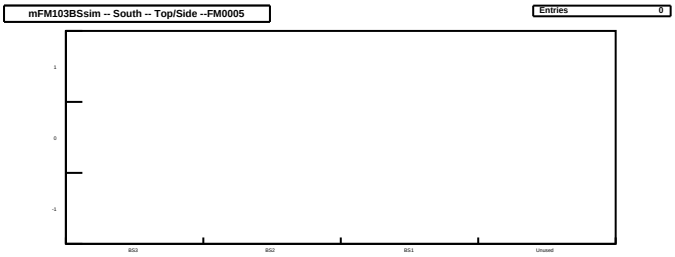
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Entries 0
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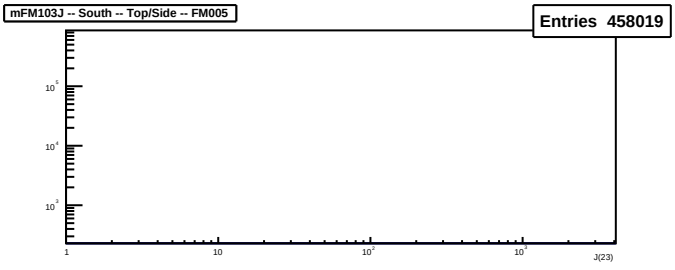
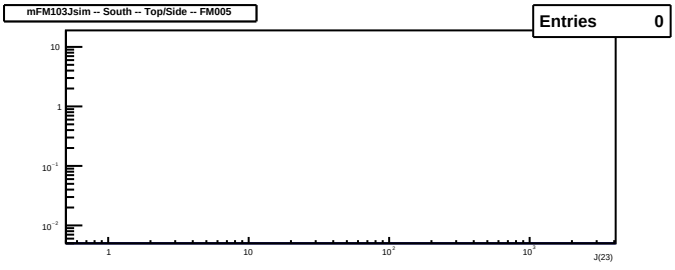
BS2
BS1
Unused


mFM103J -- South -- Top/Side -- FM005
Entries 458019
J(23)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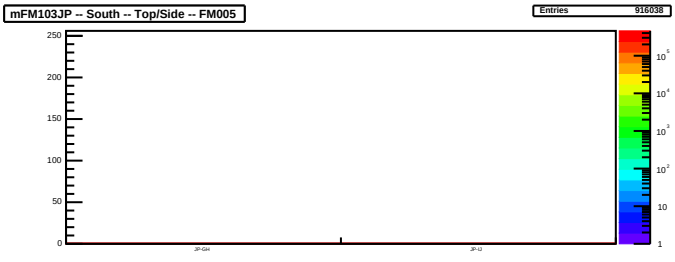
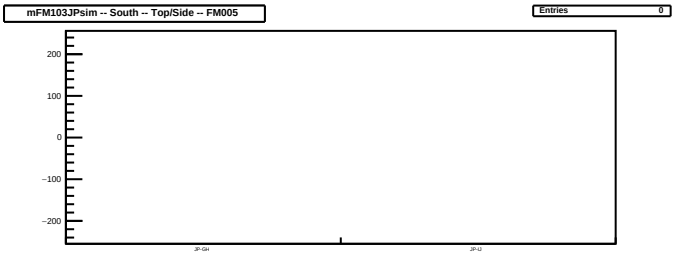
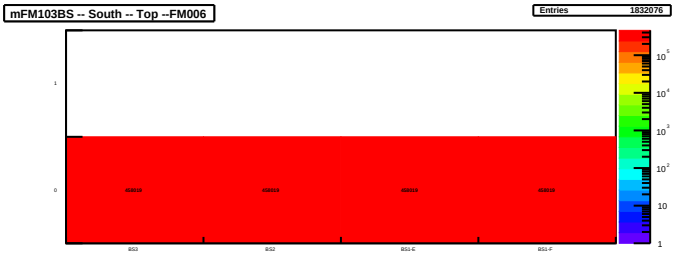
Entries 0
J(23)


mFM103JP -- South -- Top/Side -- FM005
Entries 916038
JP-GH
JP-U


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


mFM103BS -- South -- Top --FM006
Entries 1832076
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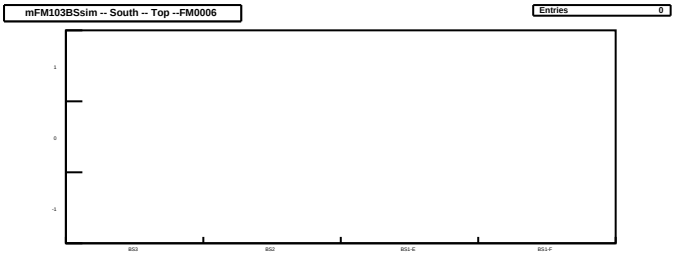
458019
BS3
BS2
BS1-E
BS1-F


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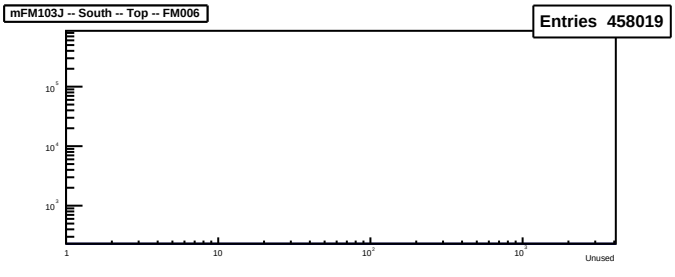
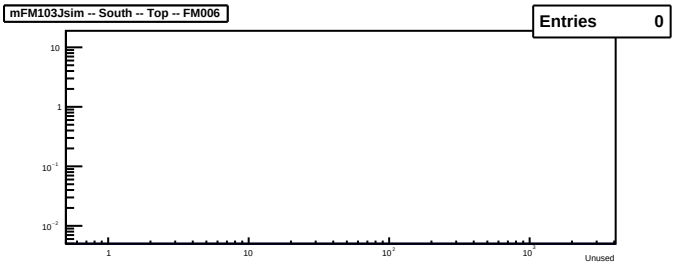
BS2
BS1-E
BS1-F


mFM103J -- South -- Top -- FM006
Entries 458019
Unused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Entries 0
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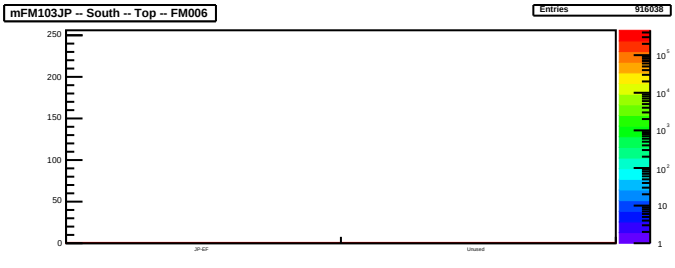
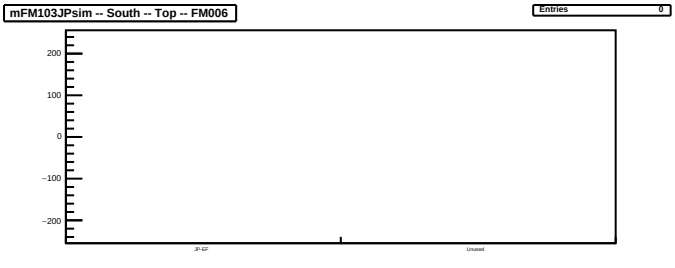

mFM103JP -- South -- Top -- FM006
Entries 916038
JP-EF
Unused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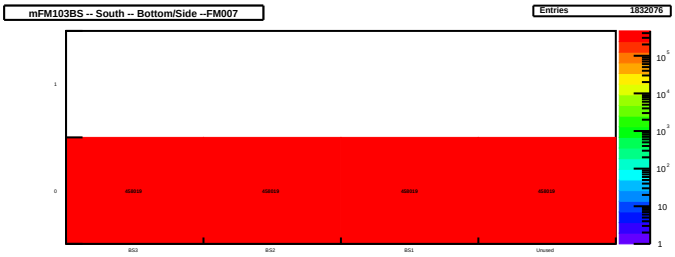
Entries 0
JP-EF
Unused


mFM103BS -- South -- Bottom/Side --FM007
Entries 1832076
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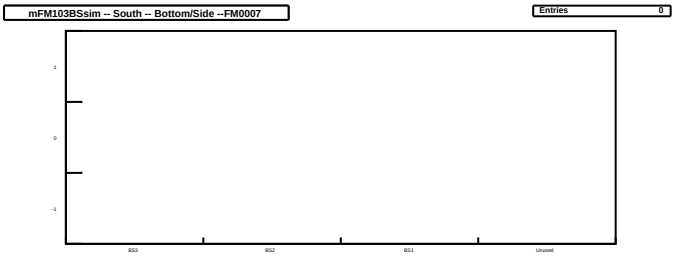
BS3
BS2
BS1
Unused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Entries 0
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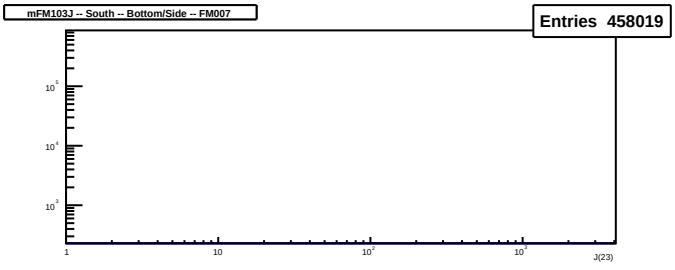
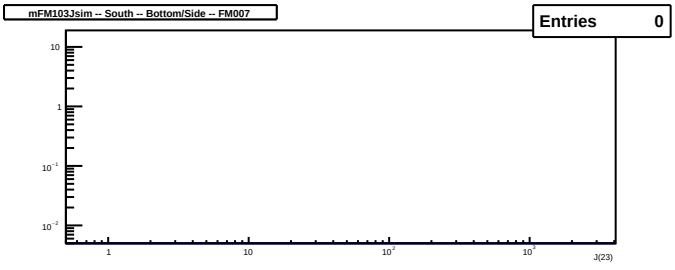
BS1
Unused


mFM103J -- South -- Bottom/Side -- FM007
Entries 458019
J(23)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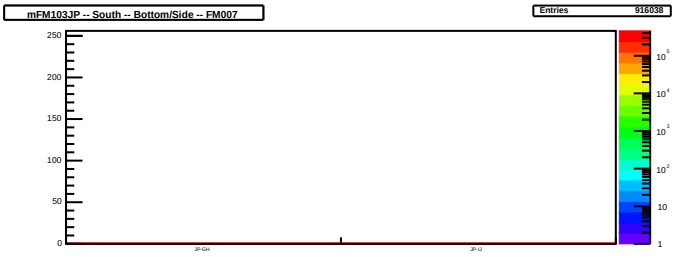
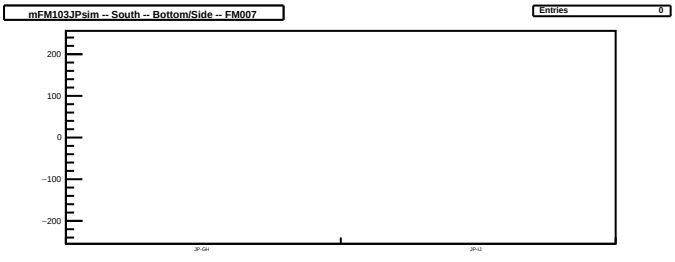
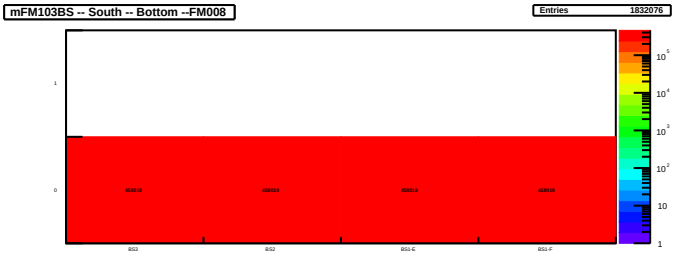
Entries 0
J(23)


mFM103JP -- South -- Bottom/Side -- FM007
Entries 916038
JP-GH
JP-IJ


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


mFM103BS -- South -- Bottom --FM008
Entries 1832076
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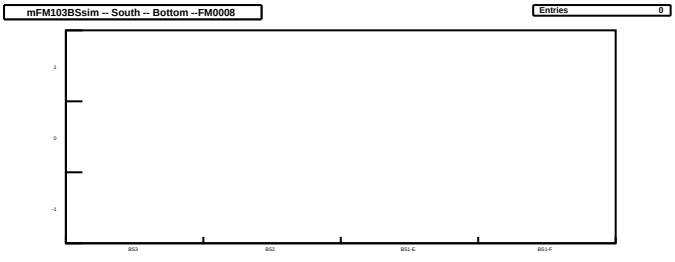
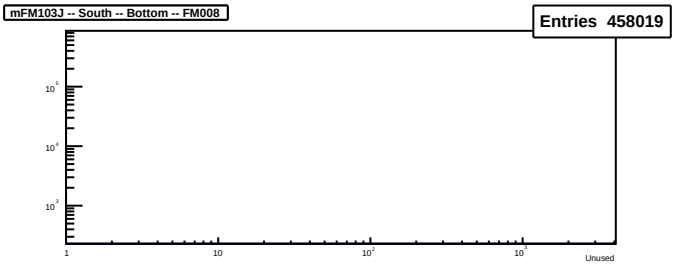
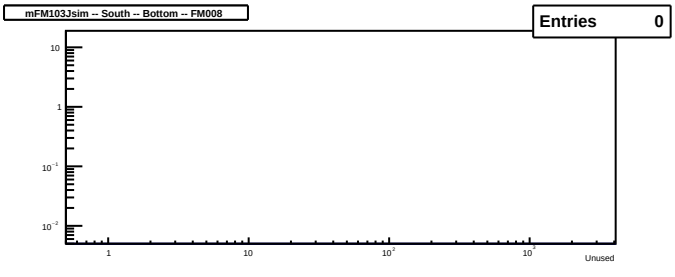
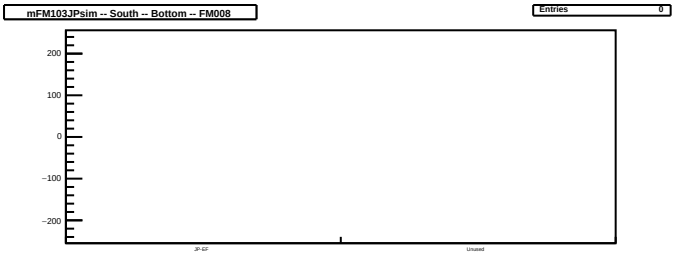
BS3
BS2
BS1-E
BS1-F

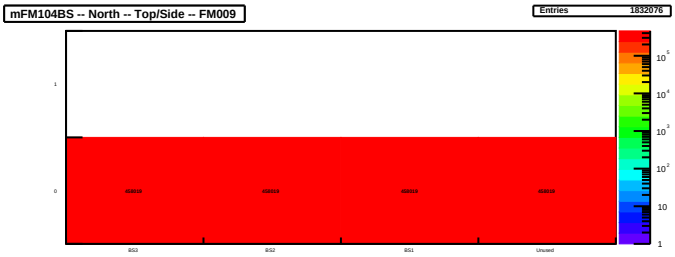

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F


mFM103J -- South -- Bottom -- FM008
Entries 458019
Unused


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

mFM103JP -- South -- Bottom -- FM008
Entries 916038
JP-EF
Unused


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


mFM104BS -- North -- Top/Side -- FM009
Entries 1832076
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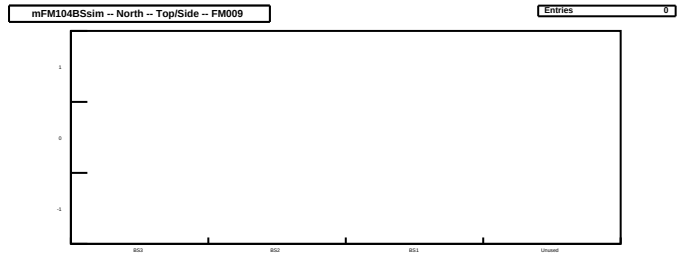
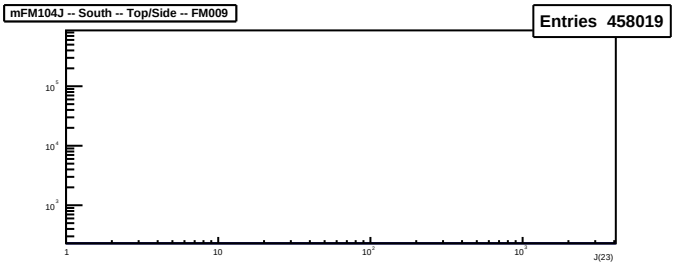
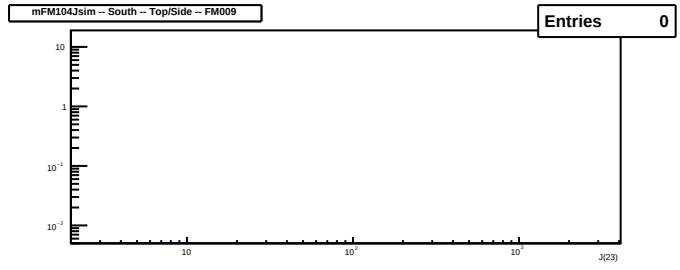
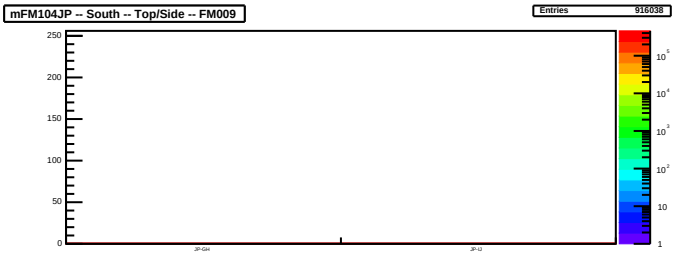
458019
458019
BS3
BS2
BS1
Unused

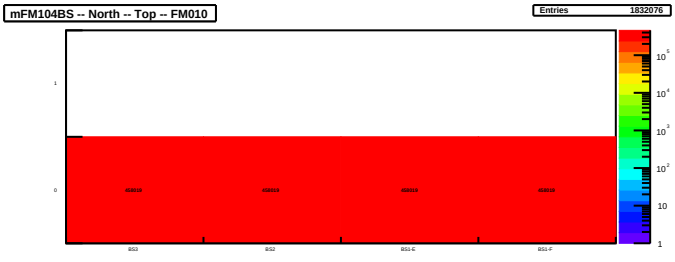

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

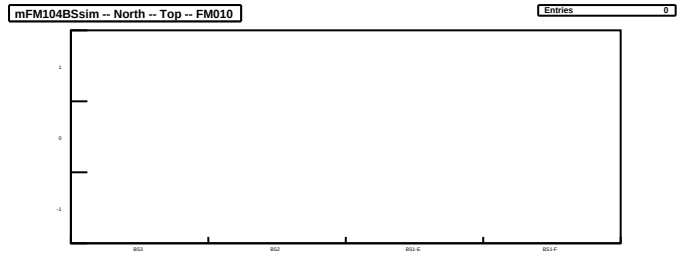

mFM104J -- South -- Top/Side -- FM009
Entries 458019
J(23)

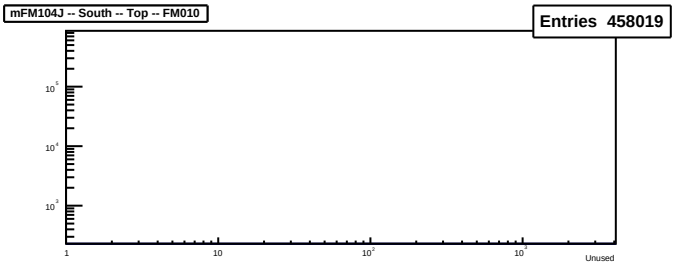

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)


mFM104JP -- South -- Top/Side -- FM009
Entries 916038
JP-GH
JP-U

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


mFM104BS -- North -- Top -- FM010
Entries 1832076
458019
458019
458019
458019
BS3
BS2
BS1-E
BS1-F


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


mFM104J -- South -- Top -- FM010
Entries 458019
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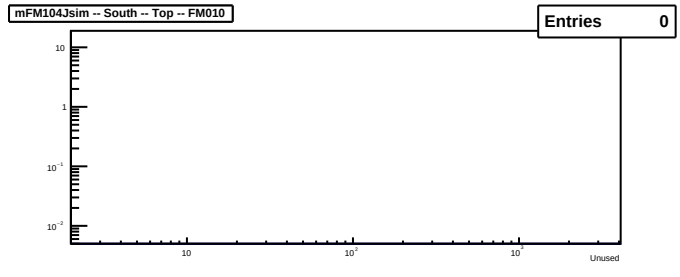
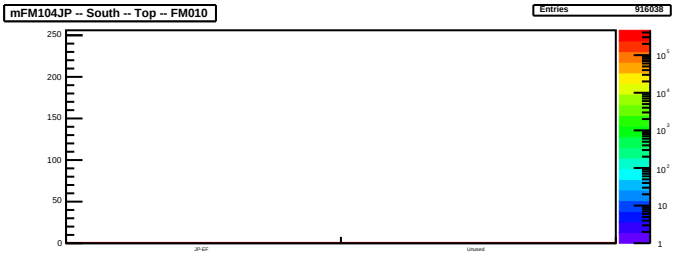
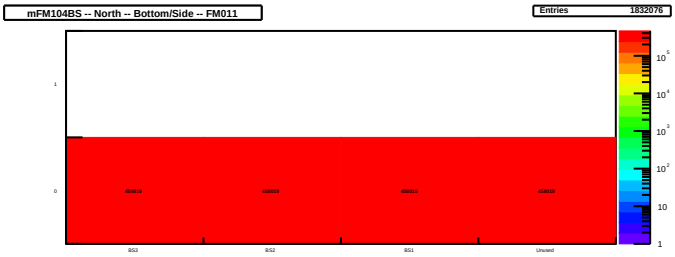
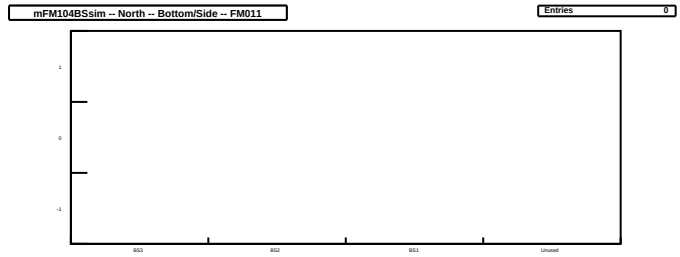
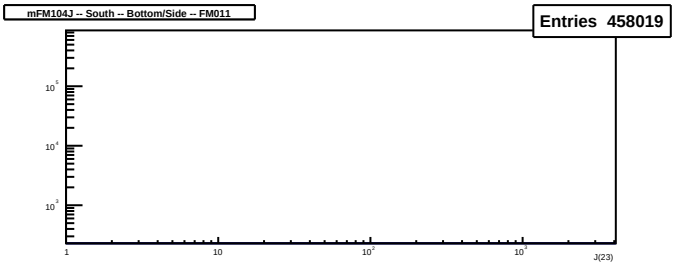

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

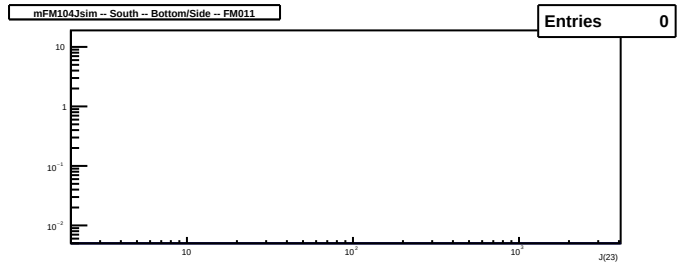

mFM104JP -- South -- Top -- FM010
Entries 916038
JP-EF
Unused

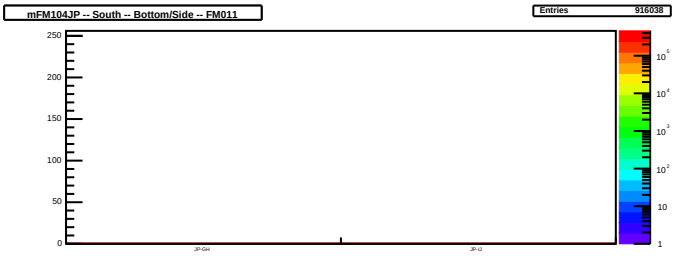
mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

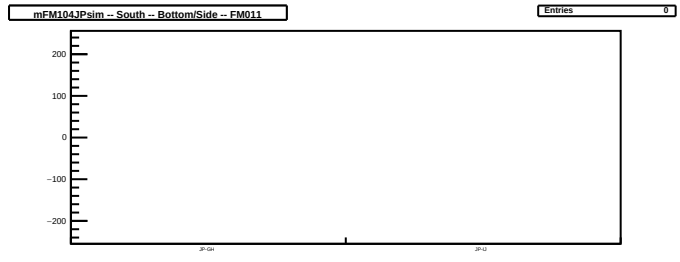

mFM104BS -- North -- Bottom/Side -- FM011
Entries 1832076
458019
458019
458019
458019
BS3
BS2
BS1
Unused

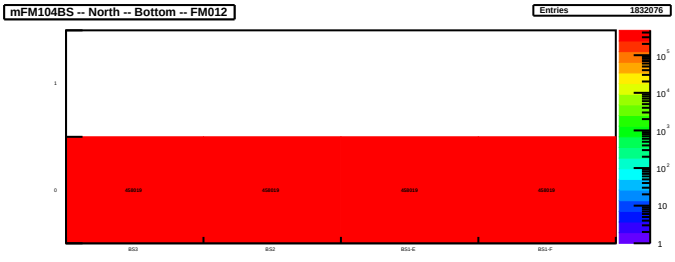

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

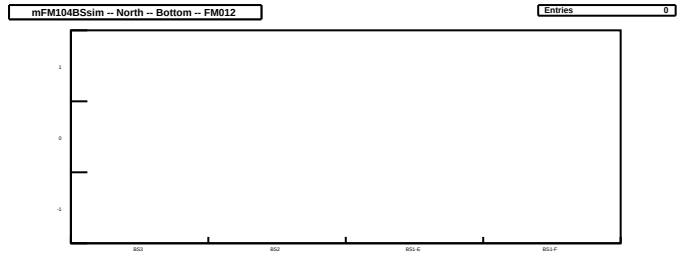

mFM104J -- South -- Bottom/Side -- FM011
Entries 458019
J(23)

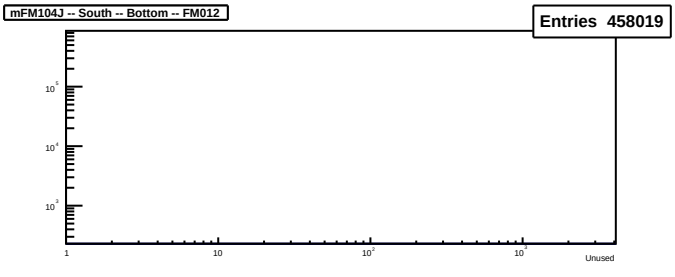

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

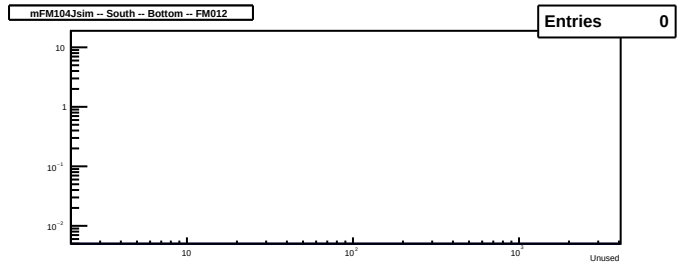

mFM104JP -- South -- Bottom/Side -- FM011
Entries 916038
JP-GH
JP-U


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

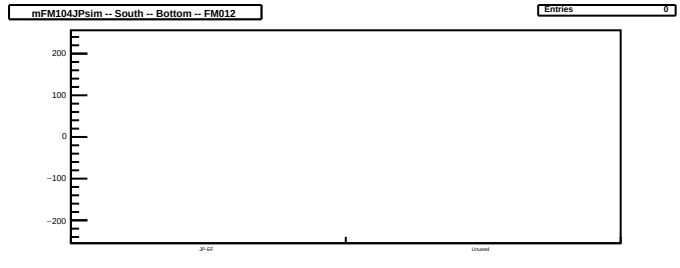

mFM104BS -- North -- Bottom -- FM012
Entries 1832076
458019
458019
458019
458019
BS3
BS2
BS1-E
BS1-F

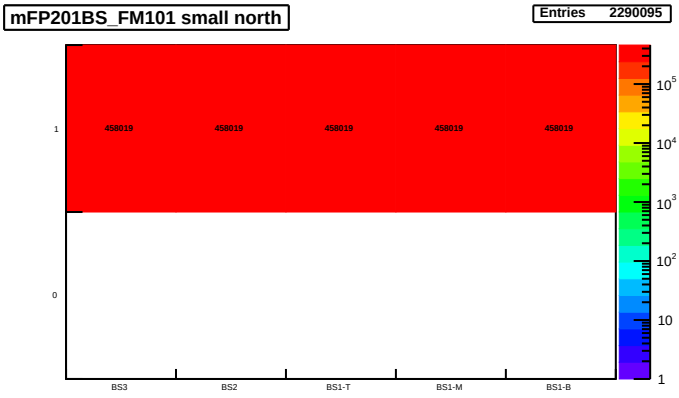

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

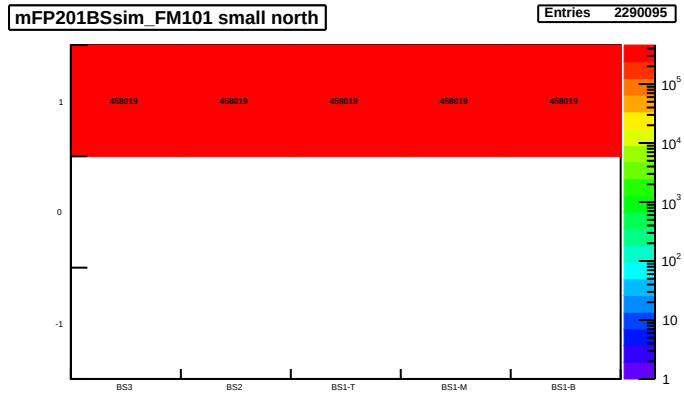

mFM104J -- South -- Bottom -- FM012
Entries 458019
Unused

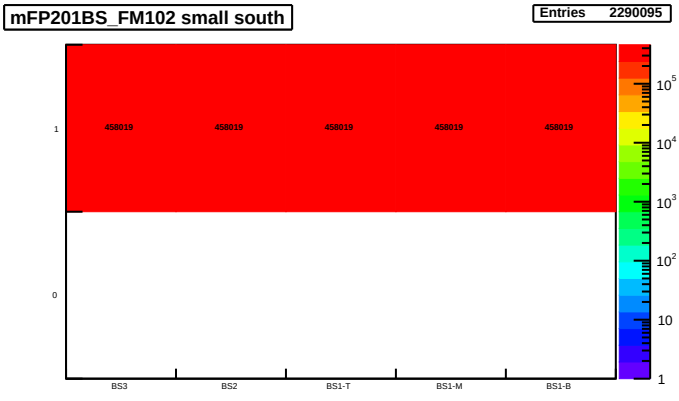

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

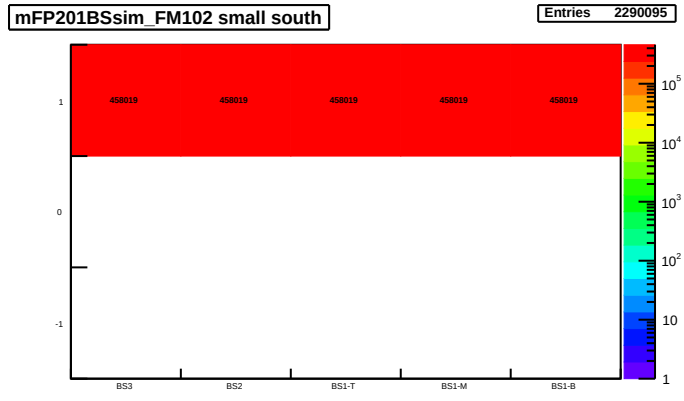
mFM104JP -- South -- Bottom -- FM012
Entries 916038
JP-EF
Unused

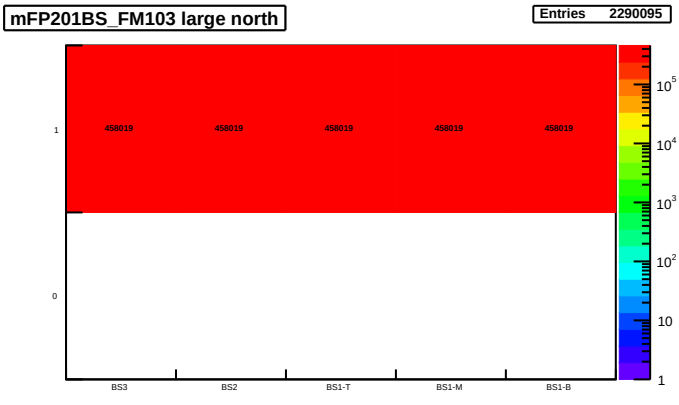

mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

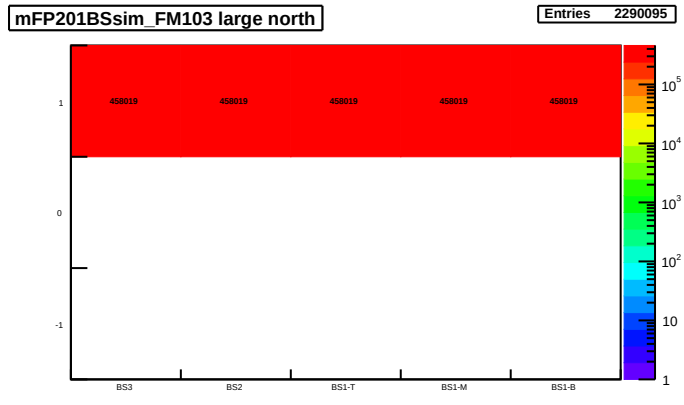

mFP201BS_FM101 small north
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

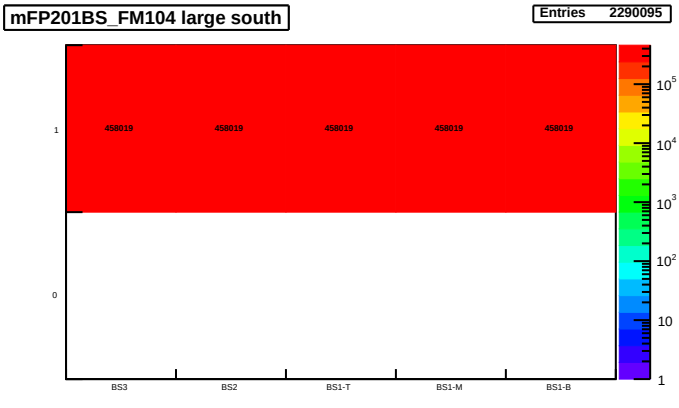

mFP201BSsim_FM101 small north
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

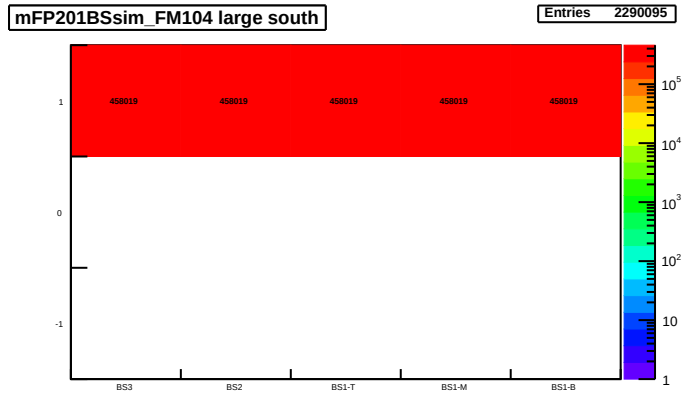

mFP201BS_FM102 small south
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

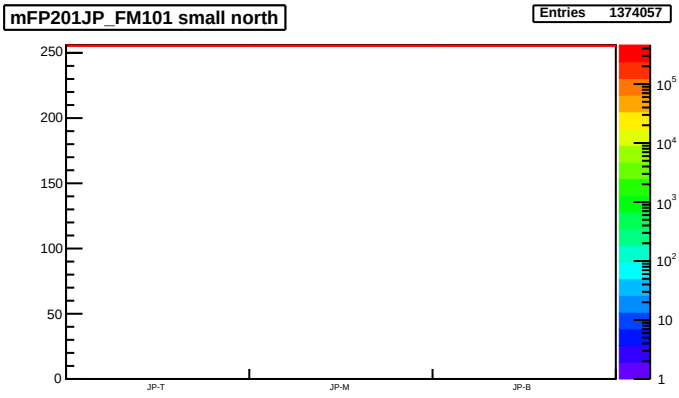

mFP201BSsim_FM102 small south
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

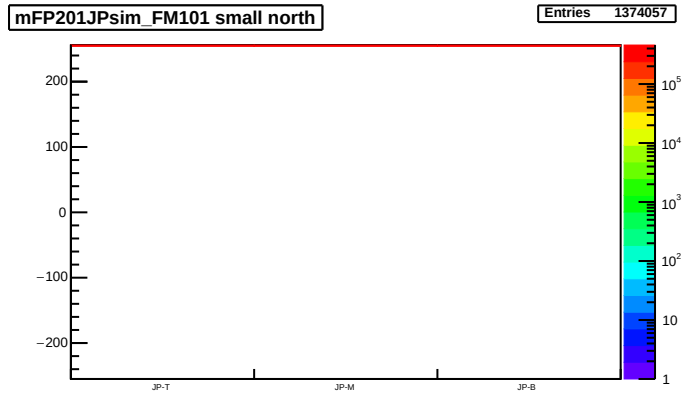

mFP201BS_FM103 large north
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

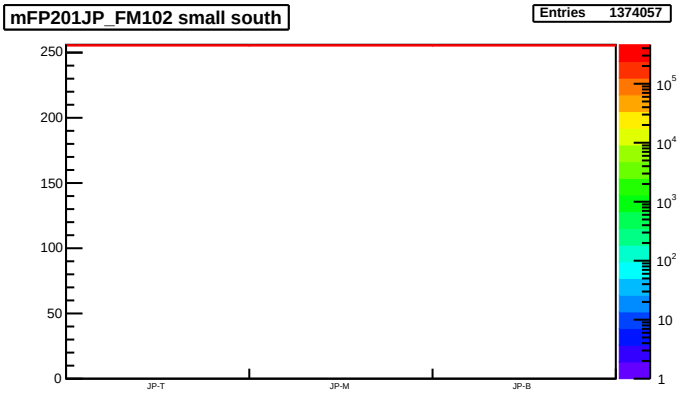

mFP201BSsim_FM103 large north
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

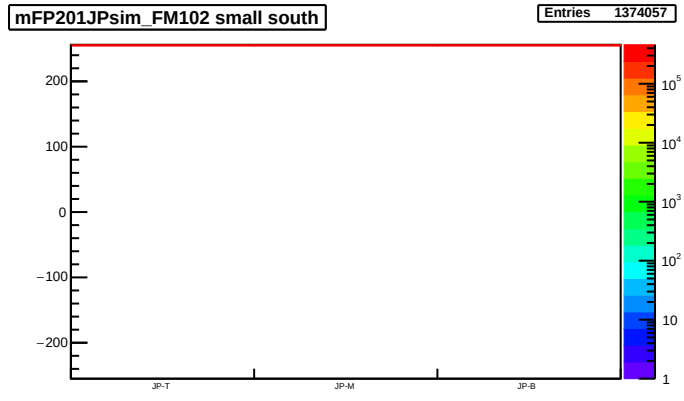

mFP201BS_FM104 large south
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

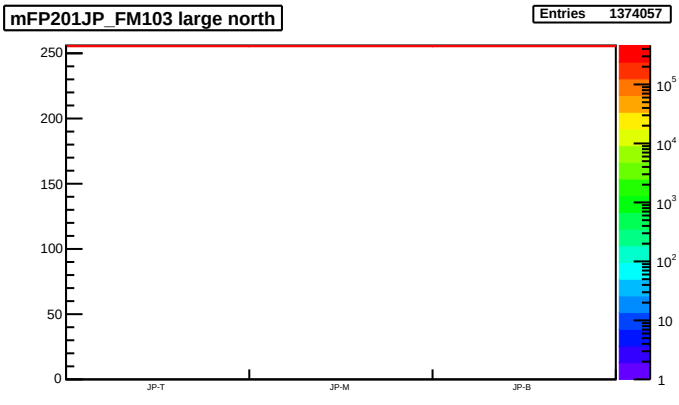

mFP201BSsim_FM104 large south
Entries 2290095
458019
BS3
BS2
BS1-T
BS1-M
BS1-B

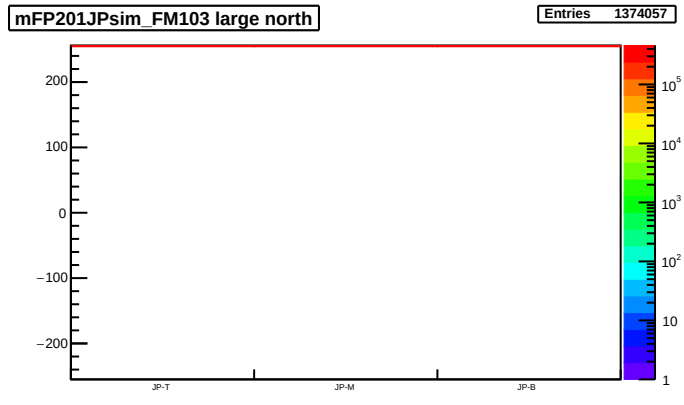

mFP201JP_FM101 small north
Entries 1374057
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

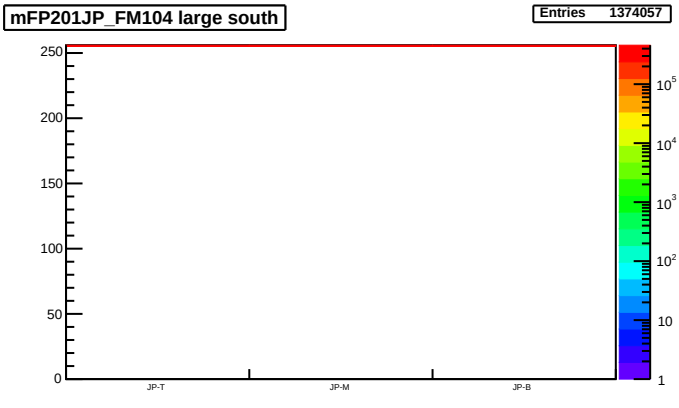

mFP201JPsim_FM101 small north
Entries 1374057
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

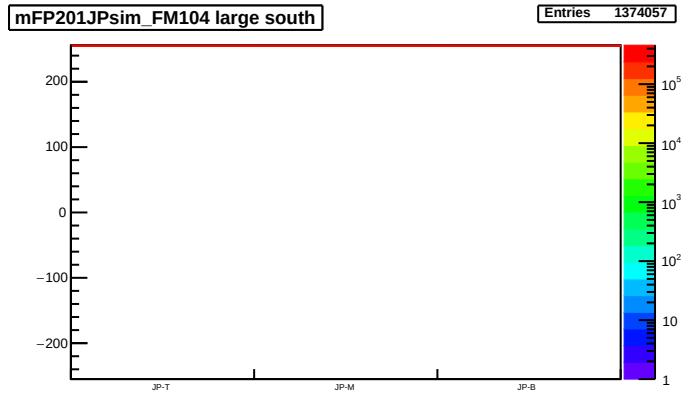

mFP201JP_FM102 small south
Entries 1374057
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

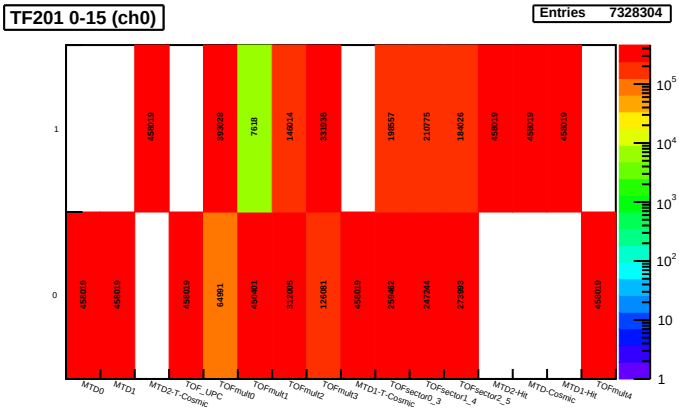

mFP201JPsim_FM102 small south
Entries 1374057
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

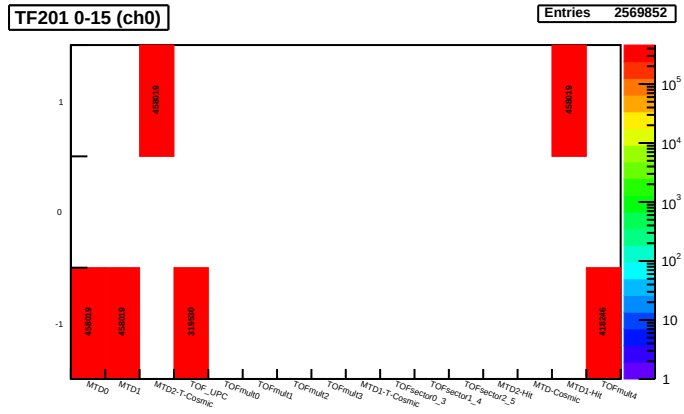

mFP201JP_FM103 large north
Entries 1374057
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

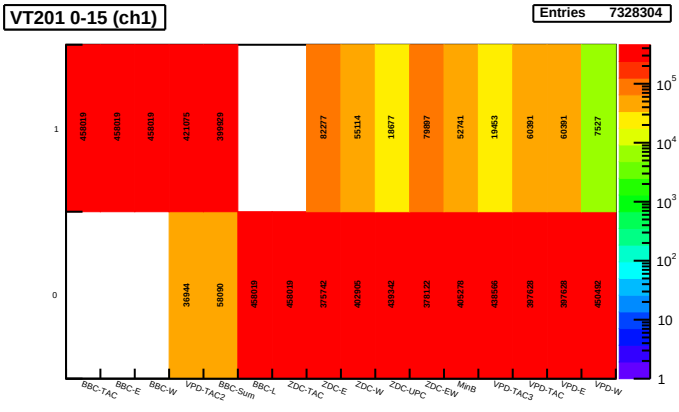

mFP201JPsim_FM103 large north
Entries 1374057
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

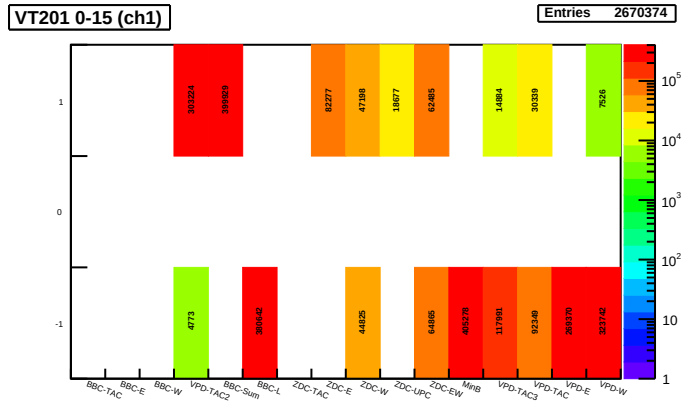

mFP201JP_FM104 large south
Entries 1374057
250
200
150
100
50
0
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

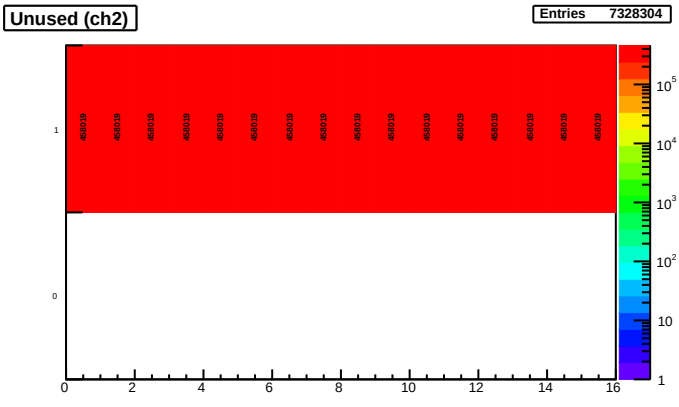

mFP201JPsim_FM104 large south
Entries 1374057
200
100
0
−100
−200
JP-T
JP-M
JP-B
$10^5$
$10^4$
$10^3$
$10^2$
10
1

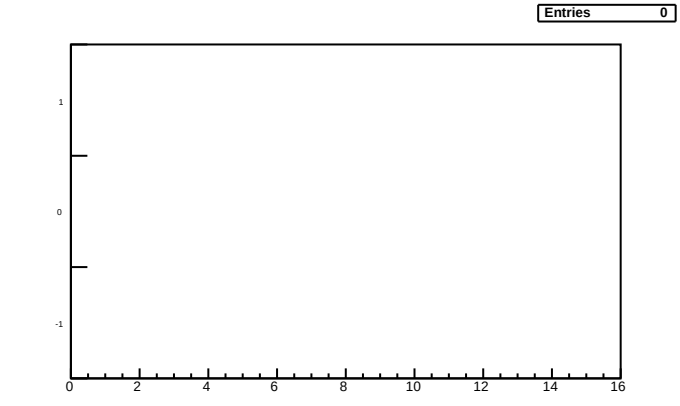

TF201 0-15 (ch0)
Entries 7328304
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

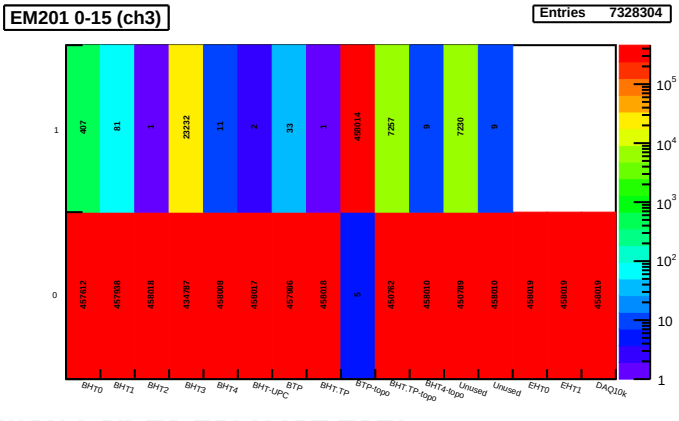

TF201 0-15 (ch0)
Entries 2569852
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

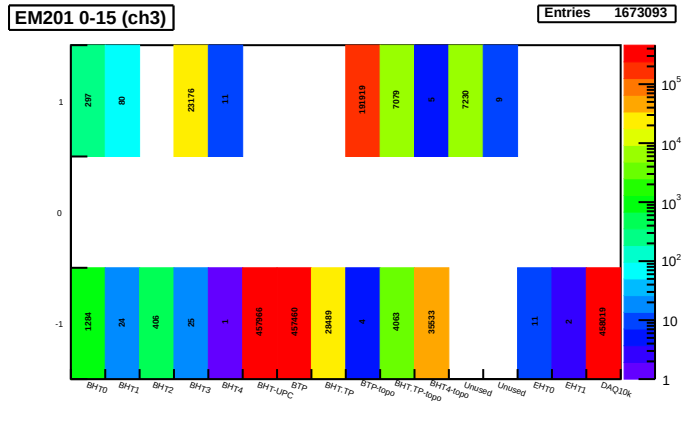

VT201 0-15 (ch1)
Entries 7328304
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W

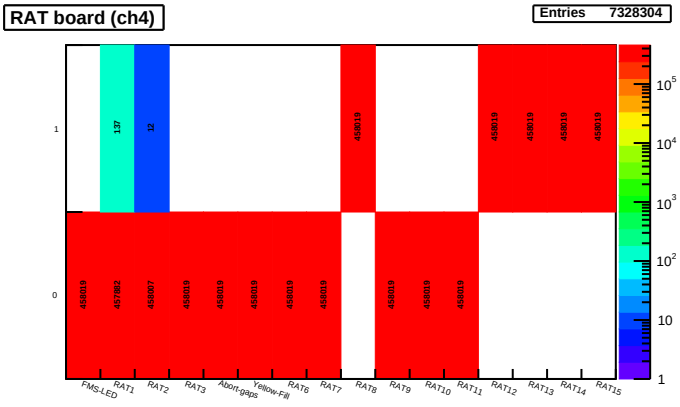

VT201 0-15 (ch1)
Entries 2670374
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W

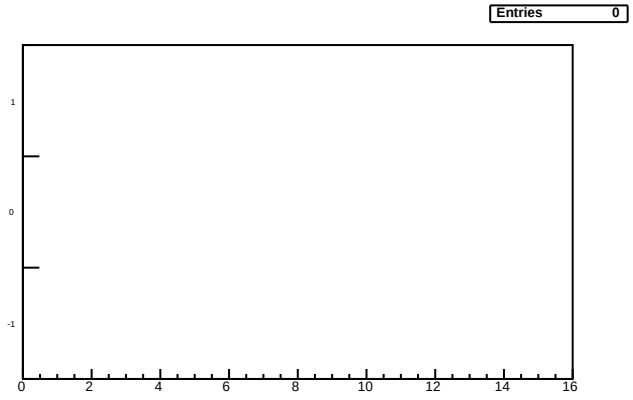

Unused (ch2)
Entries 7328304

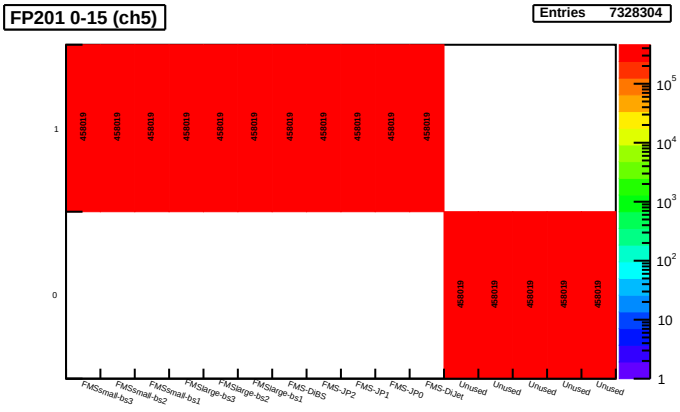

Entries 0


EM201 0-15 (ch3)
Entries 7328304
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 1673093
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT-TP
BTP-topo
BHT-TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k


RAT board (ch4)
Entries 7328304
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15


Entries 0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FMS-Dijet
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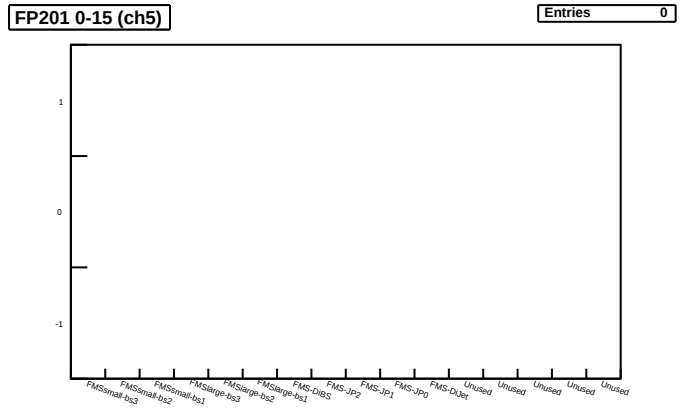
Unused
Unused
Unused
Unused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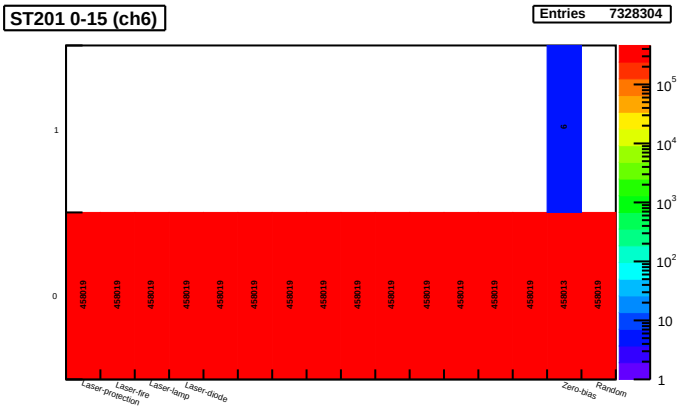
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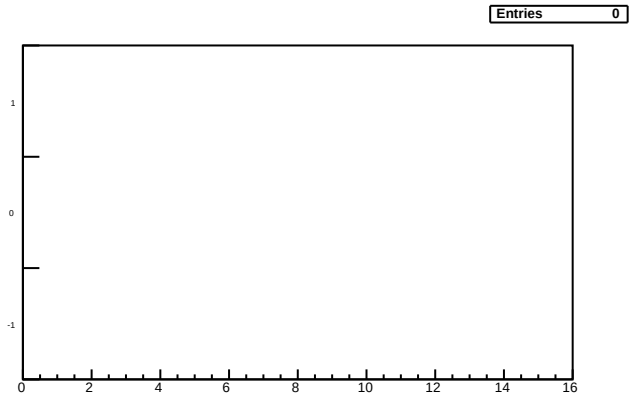
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random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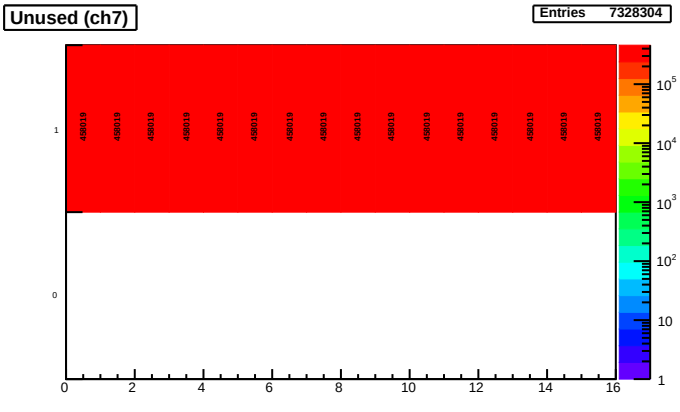
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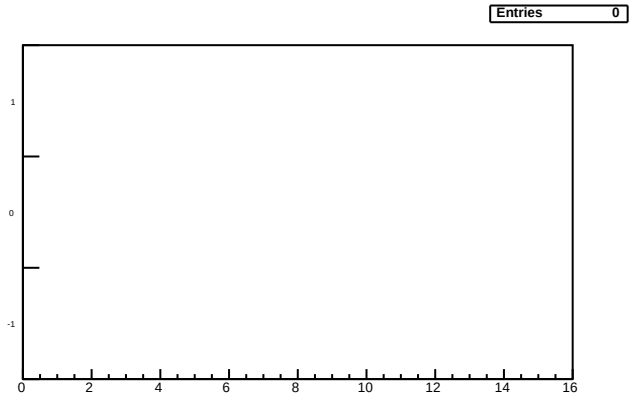
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