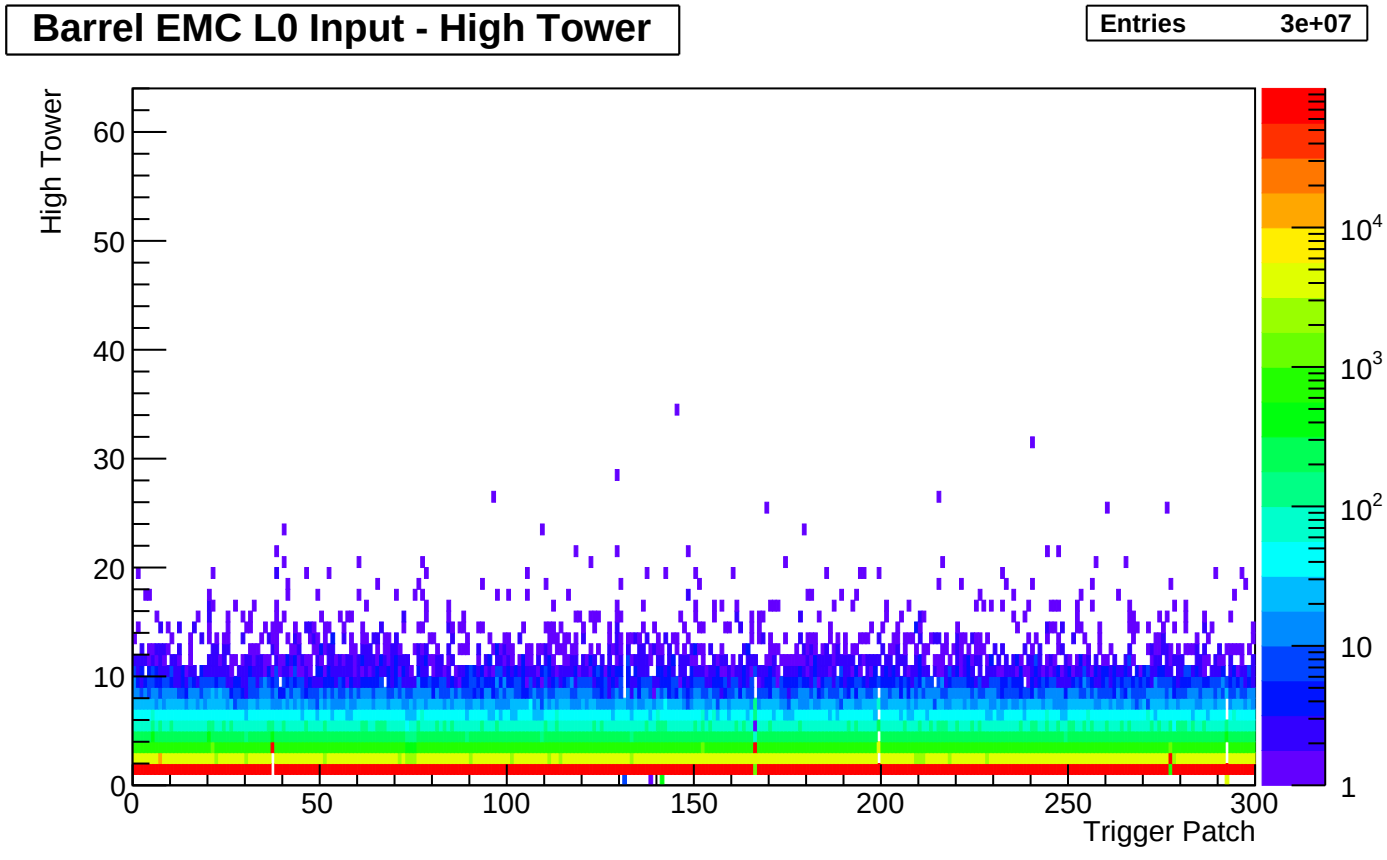
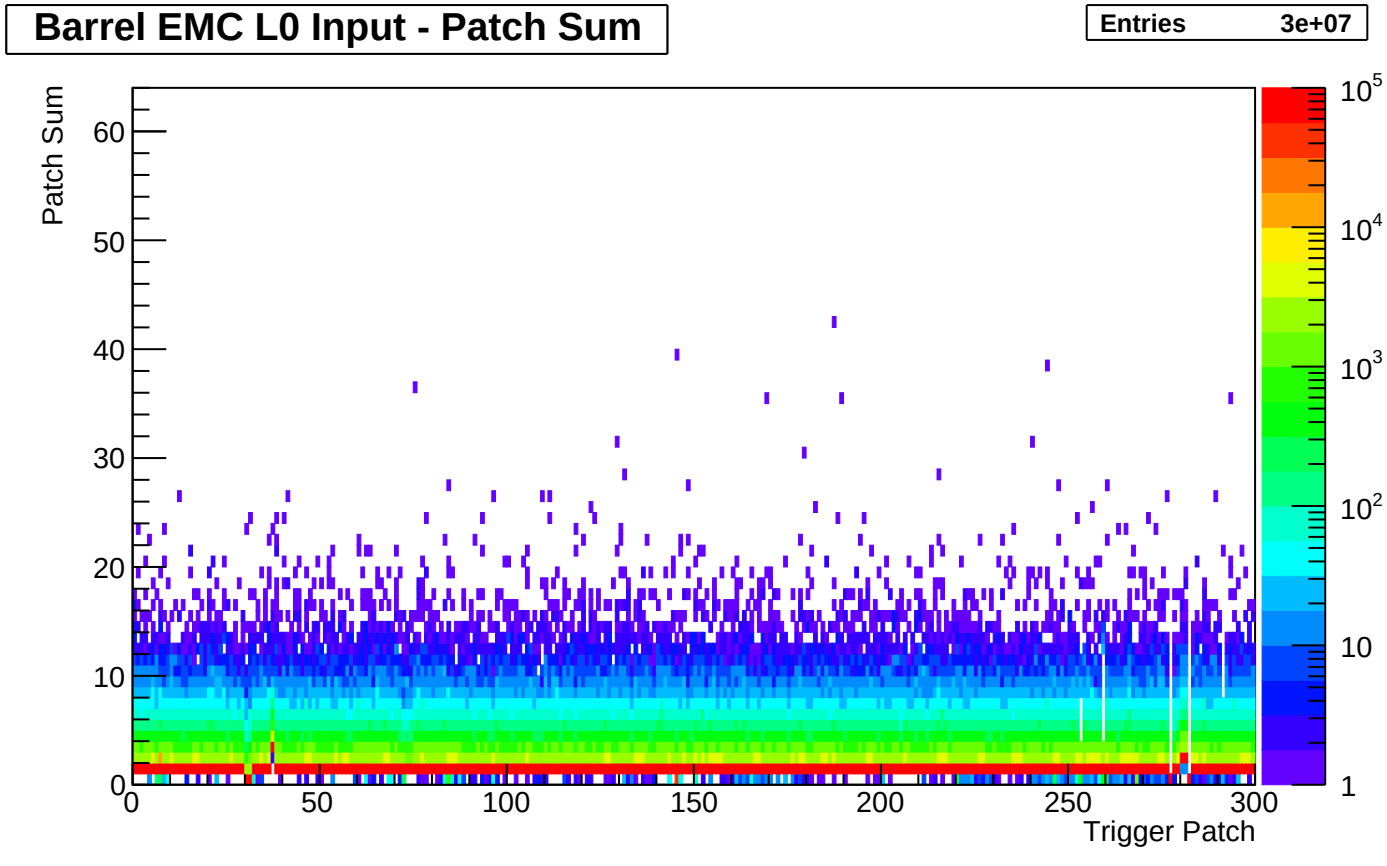
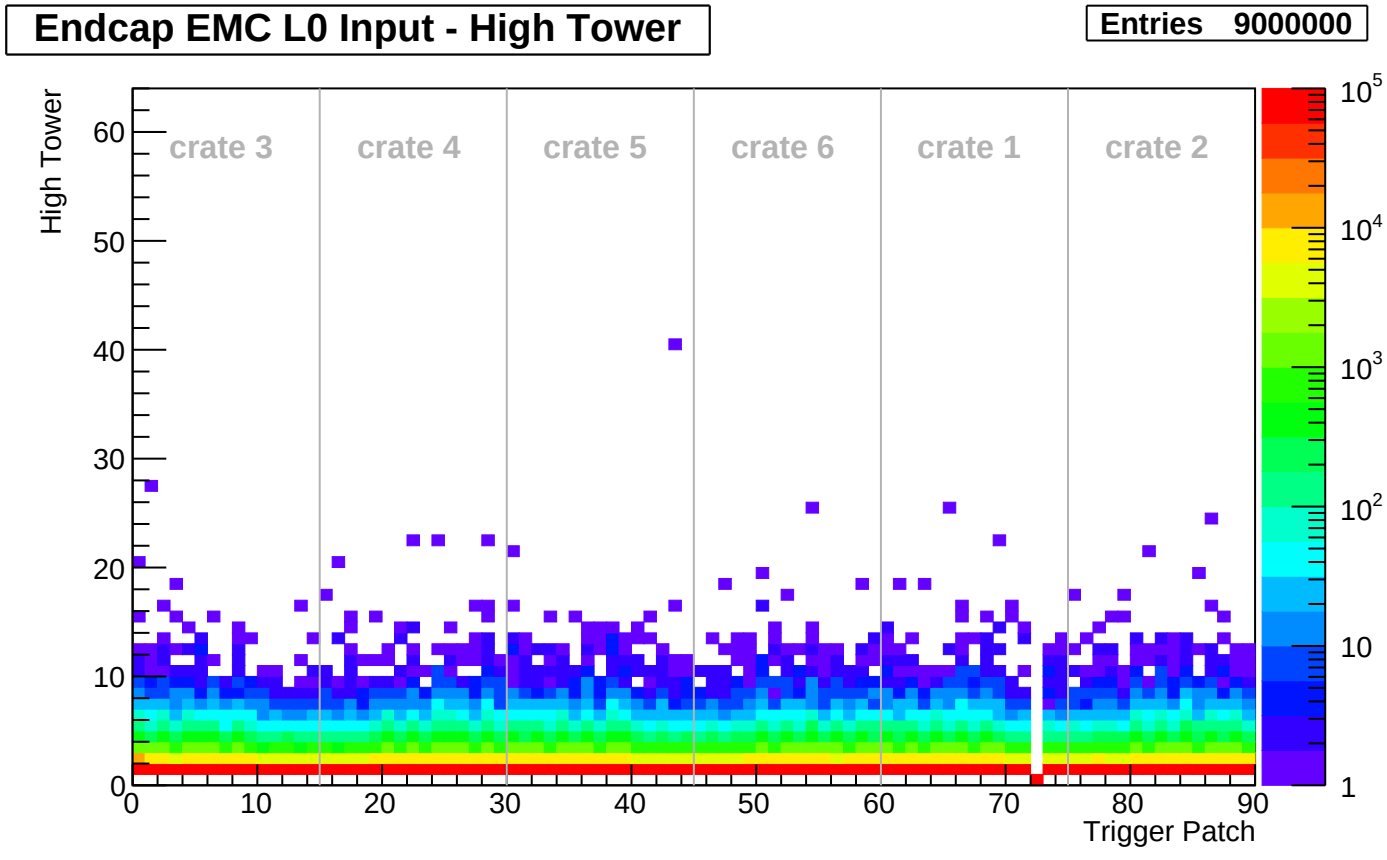
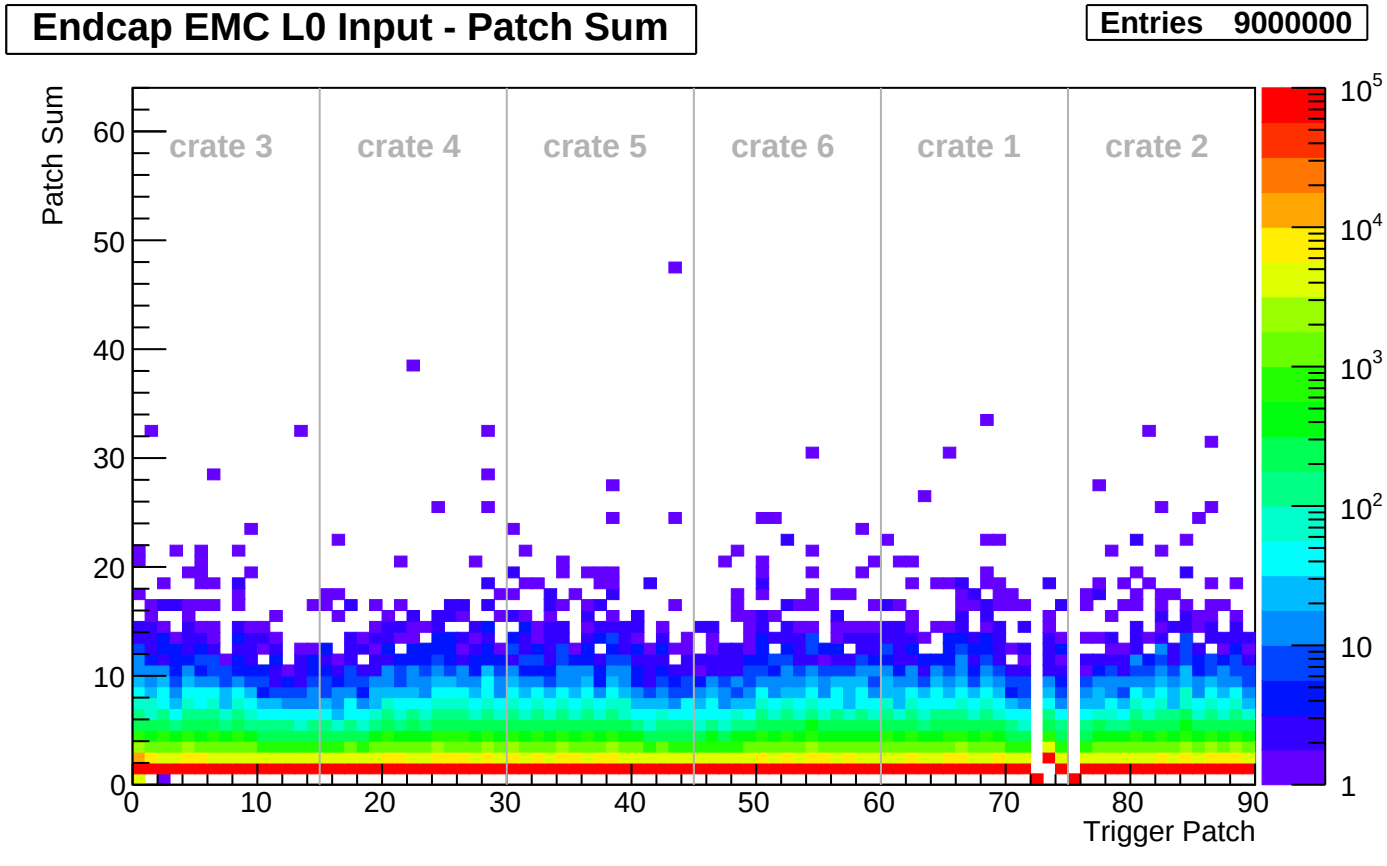
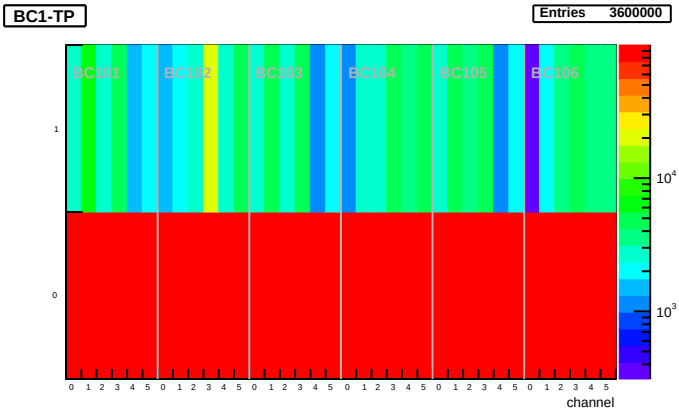
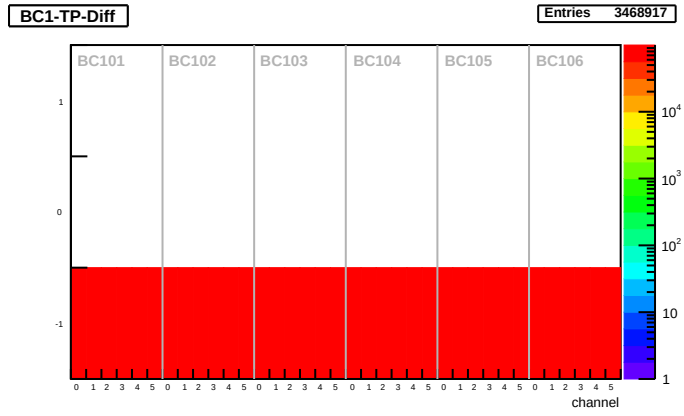

Barrel EMC L0 Input - High Tower
Entries 3e+07
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4

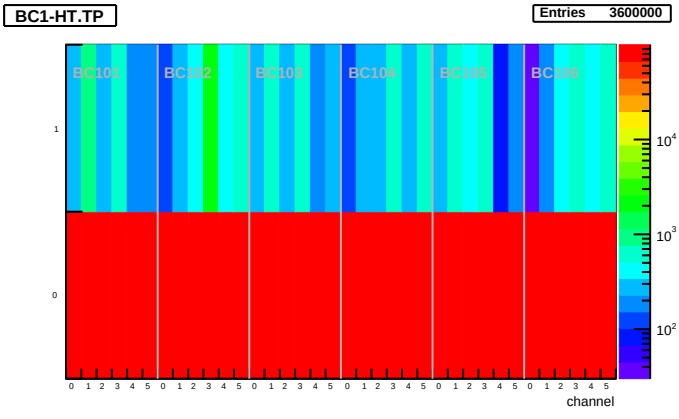

Barrel EMC L0 Input - Patch Sum
Entries 3e+07
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5

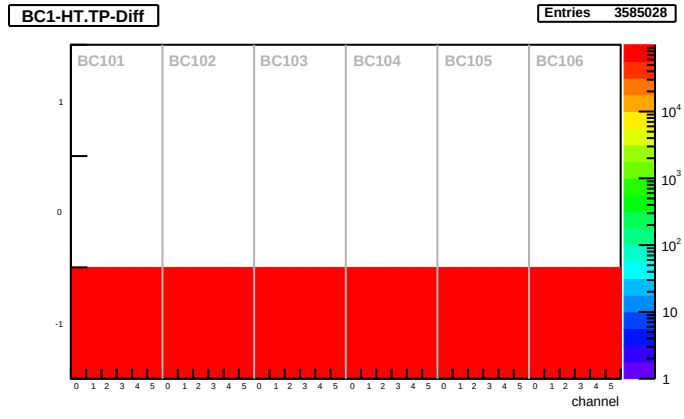

Endcap EMC L0 Input - High Tower
Entries 9000000
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

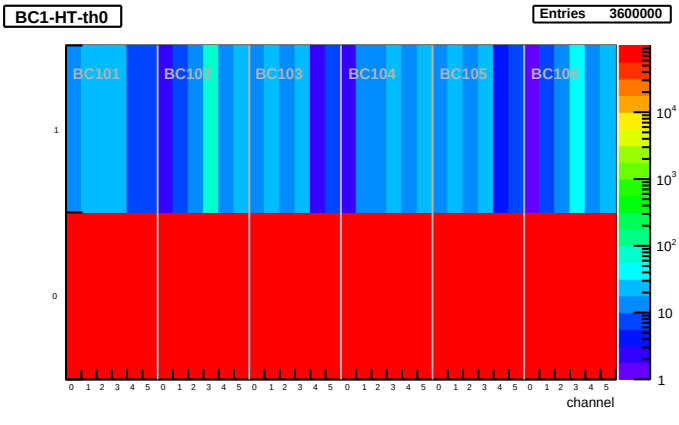

Endcap EMC L0 Input - Patch Sum
Entries 9000000
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch

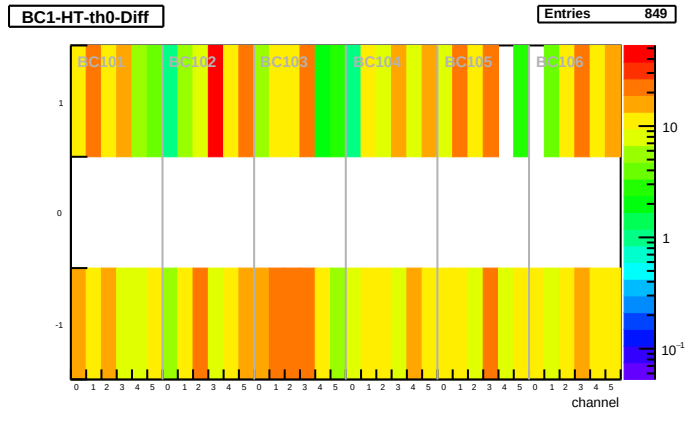

BC1-TP
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

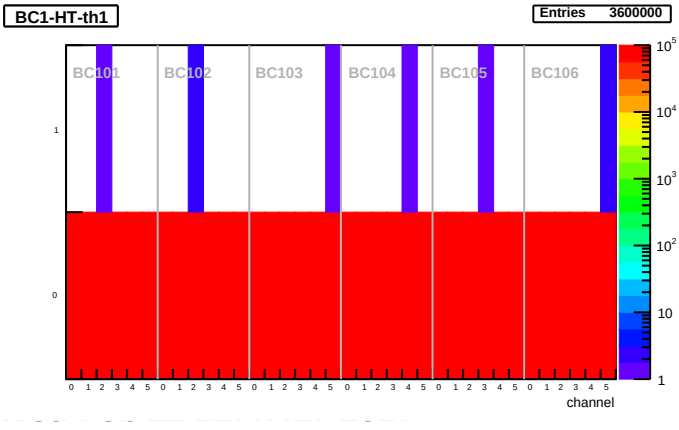

BC1-TP-Diff
Entries 3468917
BC101
BC102
BC103
BC104
BC105
BC106
channel

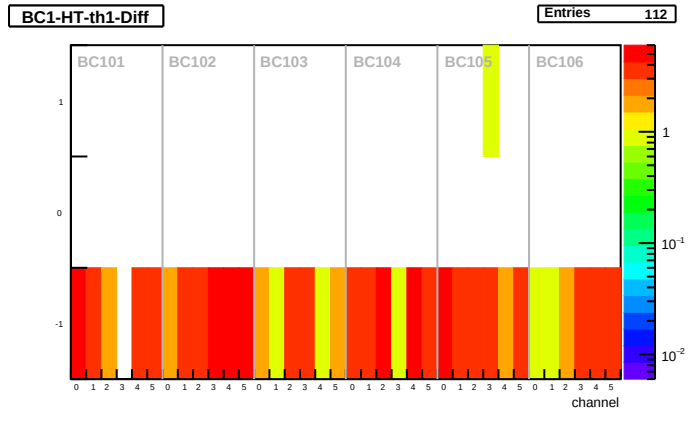

BC1-HT.TP
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

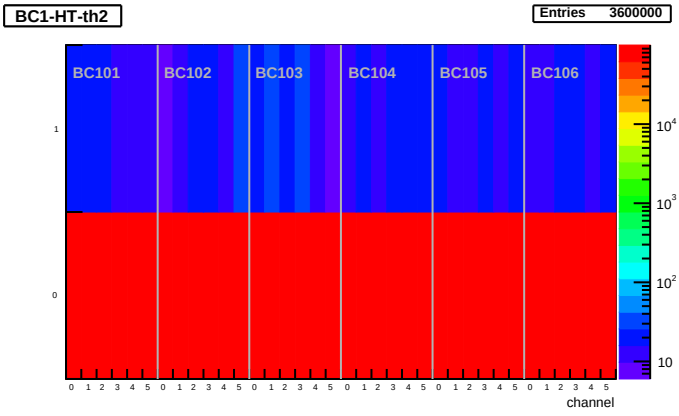

BC1-HT.TP-Diff
Entries 3585028
BC101
BC102
BC103
BC104
BC105
BC106
channel

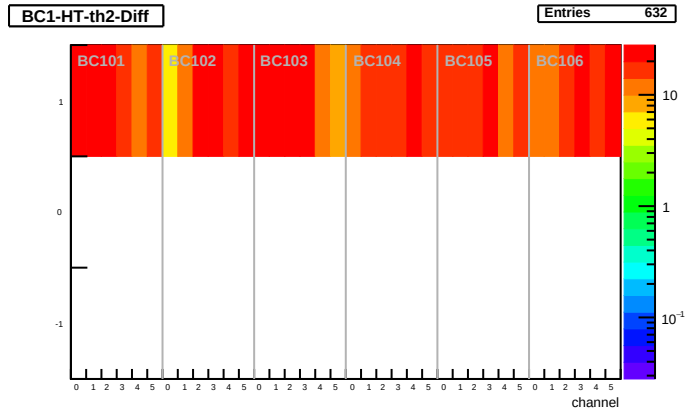

BC1-HT-th0
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

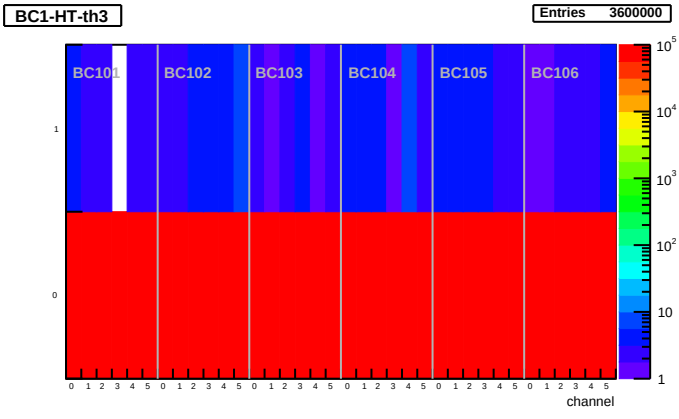

BC1-HT-th0-Diff
Entries 849
BC101
BC102
BC103
BC104
BC105
BC106
channel

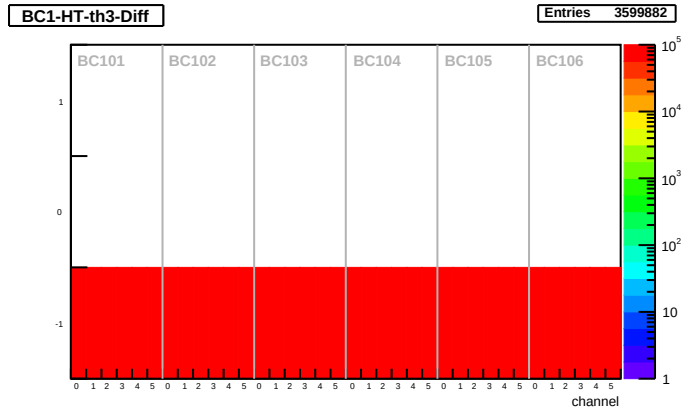

BC1-HT-th1
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

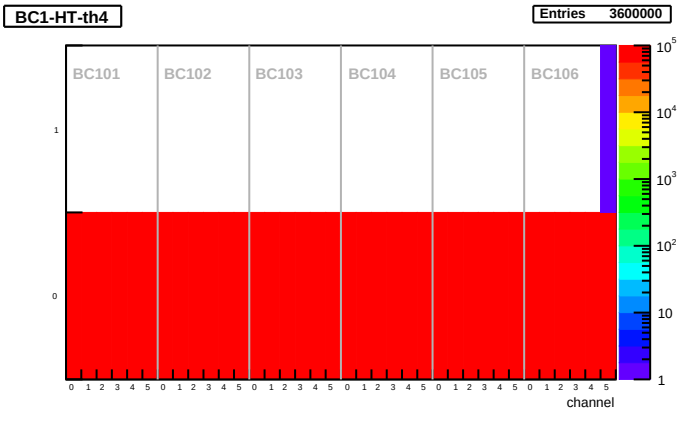

BC1-HT-th1-Diff
Entries 112
BC101
BC102
BC103
BC104
BC105
BC106
channel

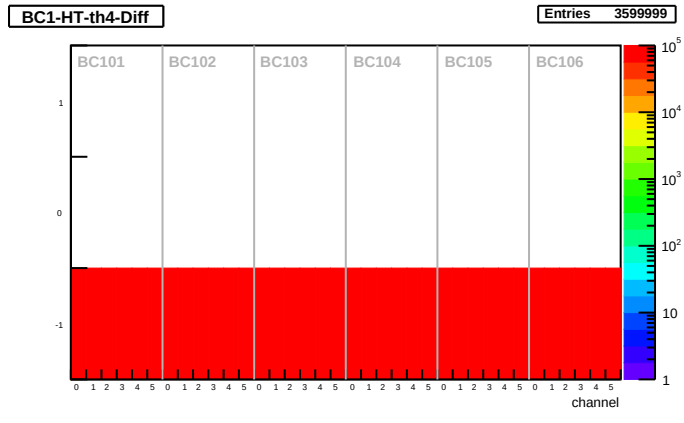

BC1-HT-th2
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

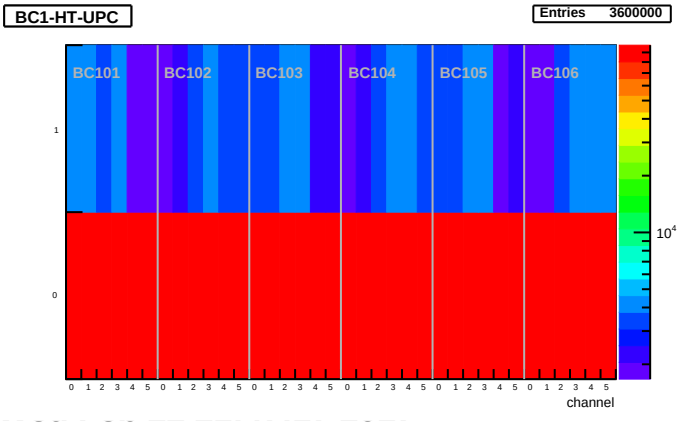

BC1-HT-th2-Diff
Entries 632
BC101
BC102
BC103
BC104
BC105
BC106
channel

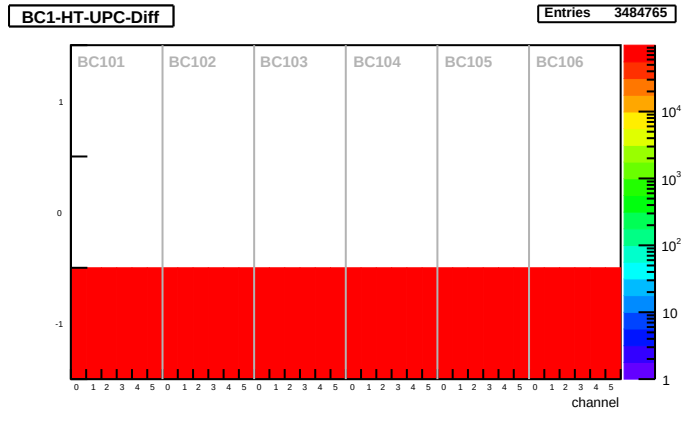

BC1-HT-th3
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

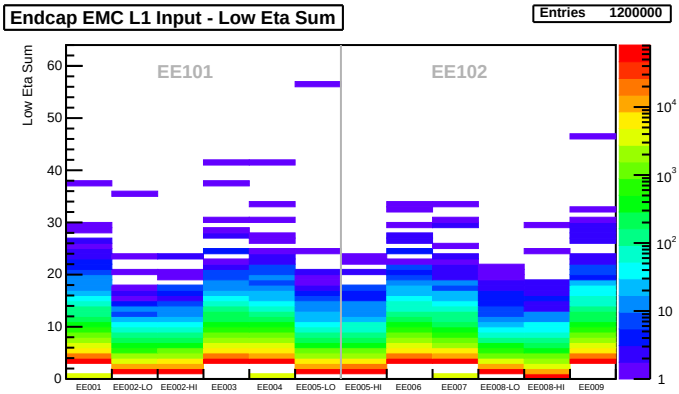

BC1-HT-th3-Diff
Entries 3599882
BC101
BC102
BC103
BC104
BC105
BC106
channel

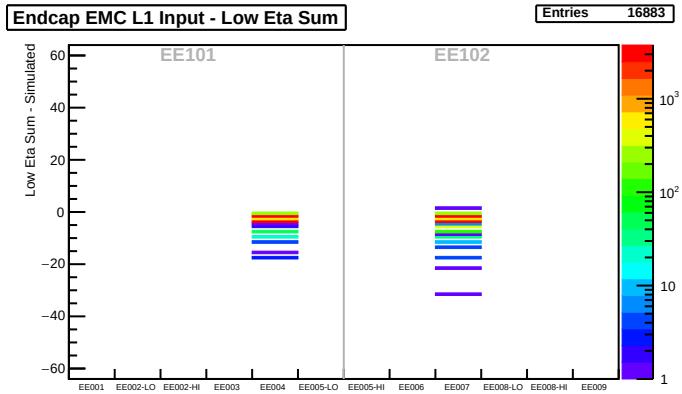

BC1-HT-th4
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

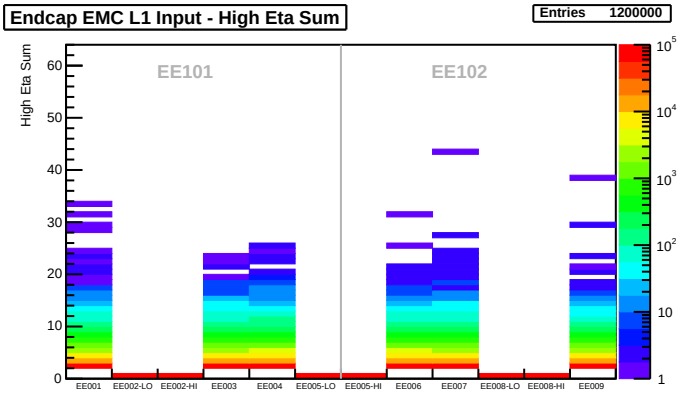

BC1-HT-th4-Diff
Entries 3599999
BC101
BC102
BC103
BC104
BC105
BC106
channel

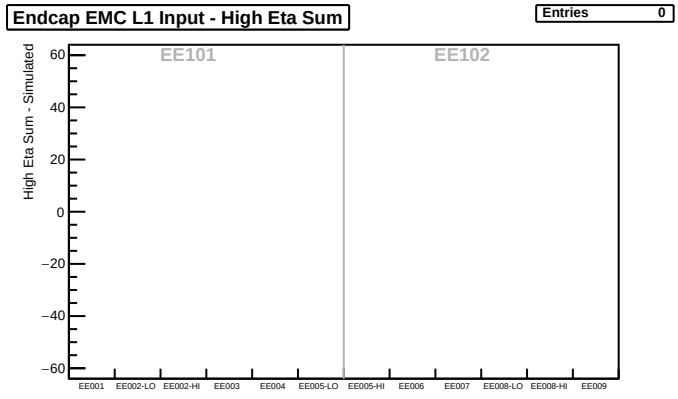

BC1-HT-UPC
Entries 3600000
BC101
BC102
BC103
BC104
BC105
BC106
channel

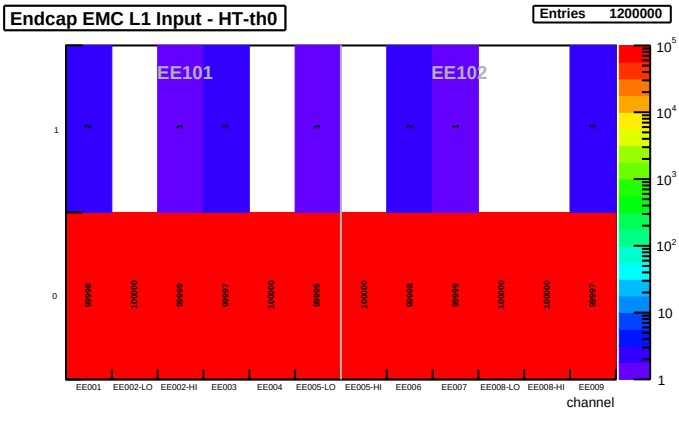

BC1-HT-UPC-Diff
Entries 3484765
BC101
BC102
BC103
BC104
BC105
BC106
channel

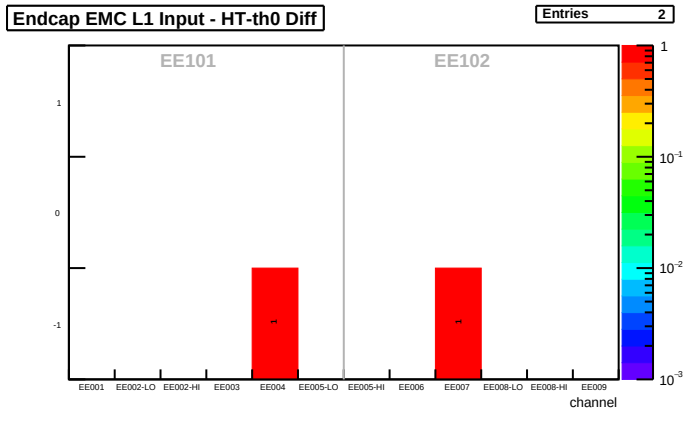

Endcap EMC L1 Input - Low Eta Sum
Entries 1200000
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

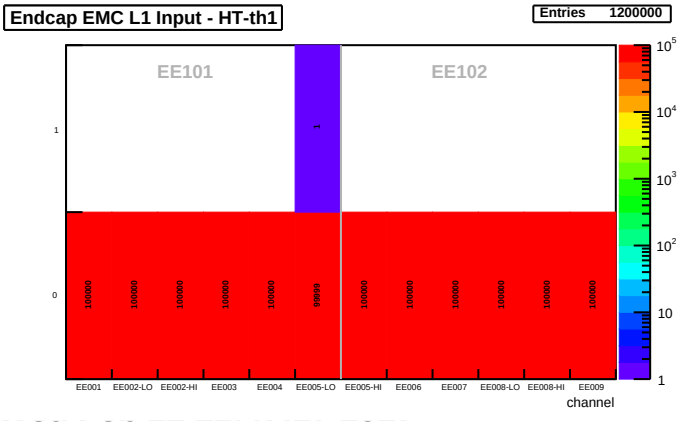

Endcap EMC L1 Input - Low Eta Sum
Entries 16883
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

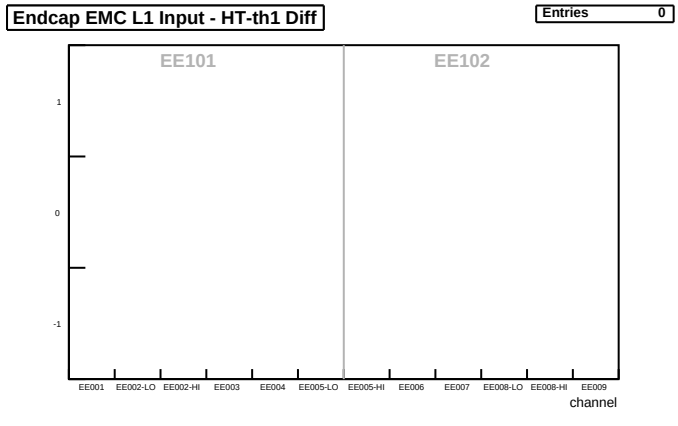

Endcap EMC L1 Input - High Eta Sum
Entries 1200000
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

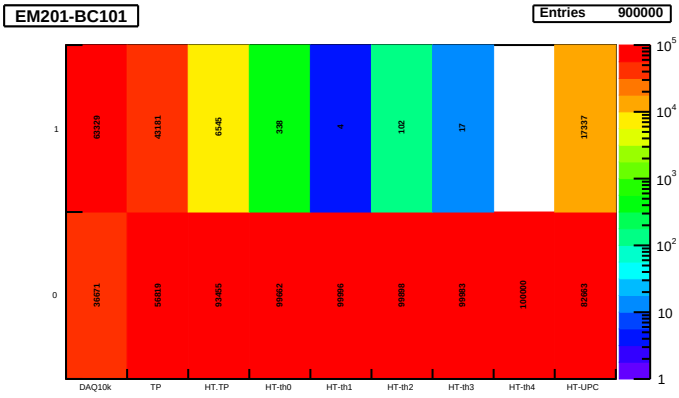

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

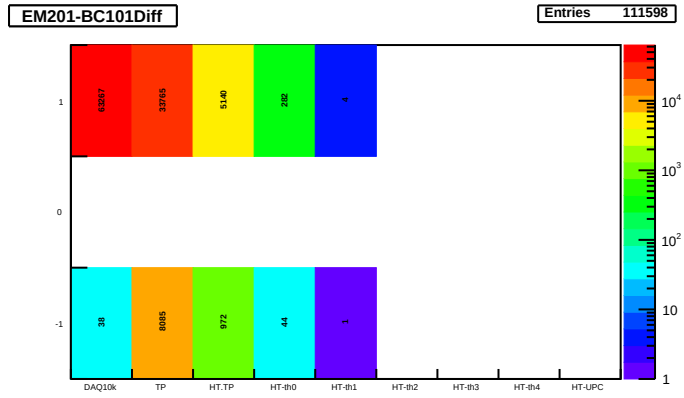

Endcap EMC L1 Input - HT-th0
Entries 1200000
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

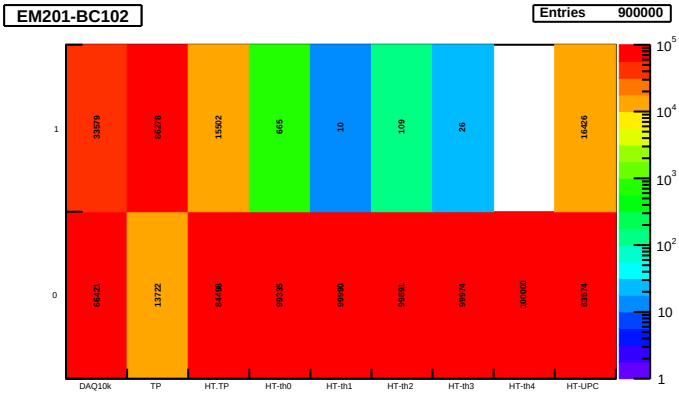

Endcap EMC L1 Input - HT-th0 Diff
Entries 2
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

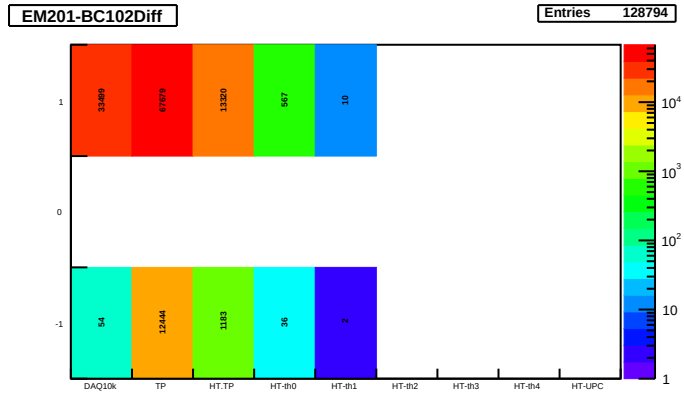

Endcap EMC L1 Input - HT-th1
Entries 1200000
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

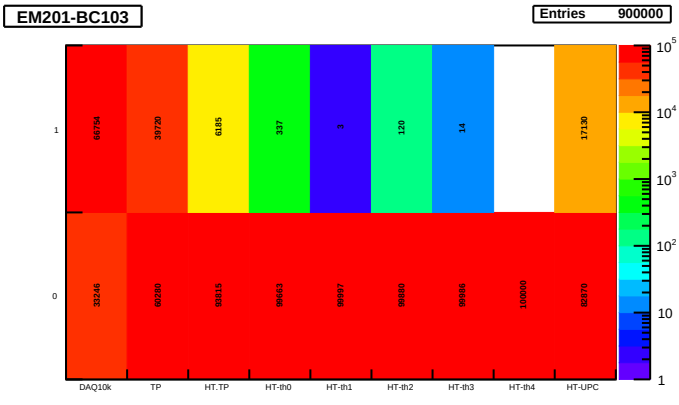

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

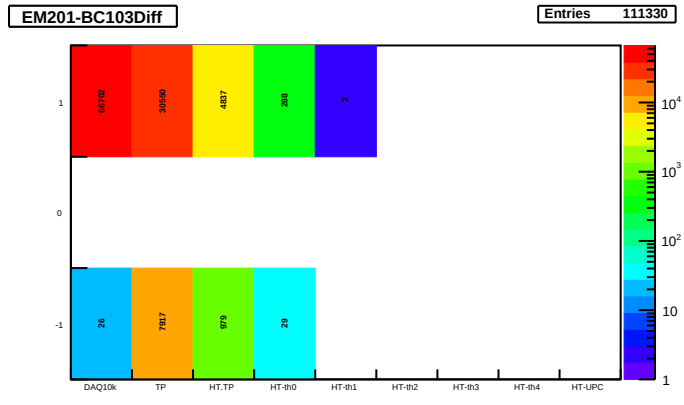

EM201-BC101
Entries 900000
1
0
63329
43181
6545
338
4
102
17
17337
39671
56819
93455
99662
99996
99898
99983
100000
82663
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

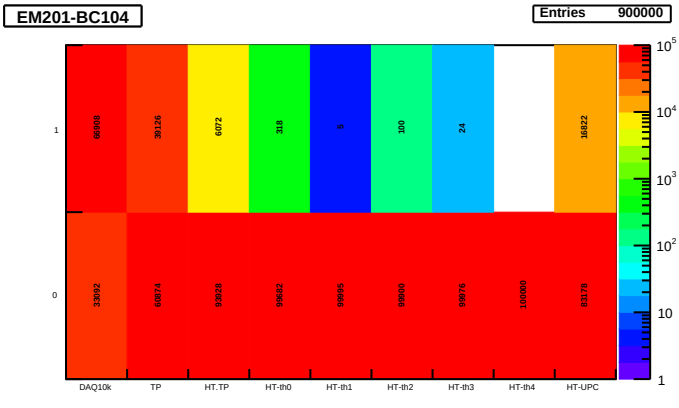

EM201-BC101Diff
Entries 111598
1
0
-1
62667
33765
5140
282
4
38
8085
972
44
1
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^4
10^3
10^2
10
1

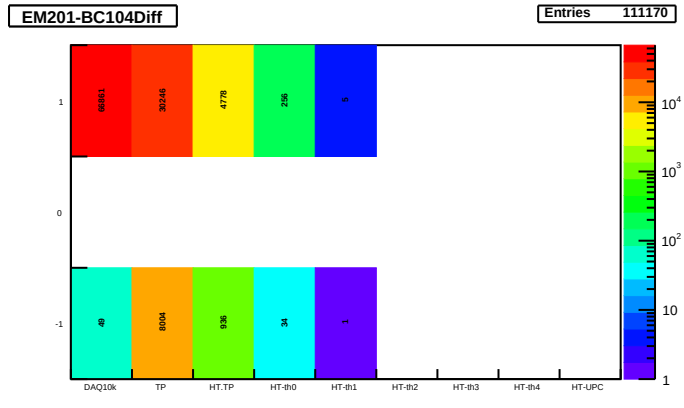

EM201-BC102
Entries 900000
1
0
33579
86278
15902
665
10
109
26
16426
66421
13722
84498
99335
99990
99891
99974
100000
83574
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

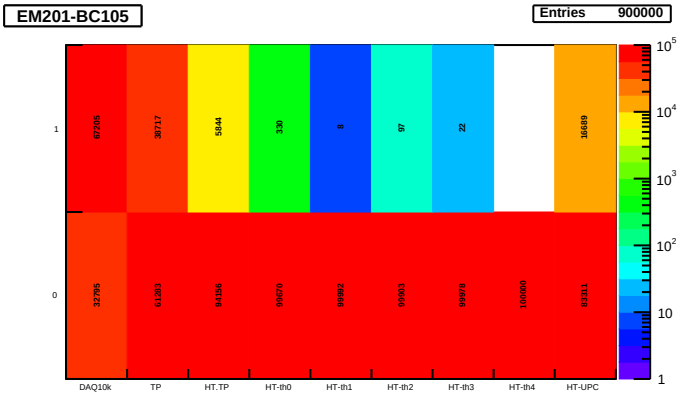

EM201-BC102Diff
Entries 128794
1
0
-1
33489
67679
13320
567
10
54
12444
1183
36
2
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^4
10^3
10^2
10
1

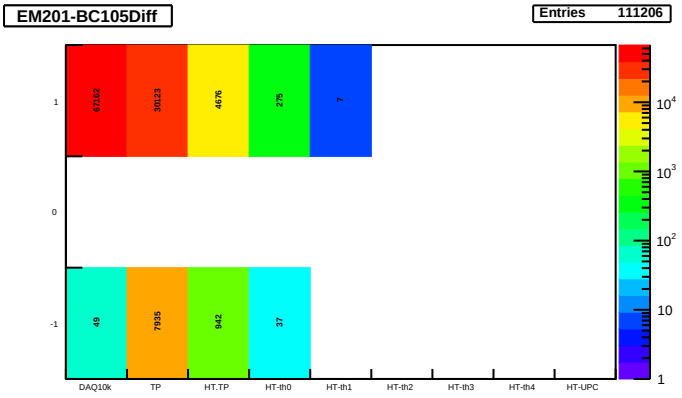

EM201-BC103
Entries 900000
1
0
66754
39720
6185
337
3
120
14
17130
33246
60280
93815
99663
99997
99880
99986
100000
82870
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

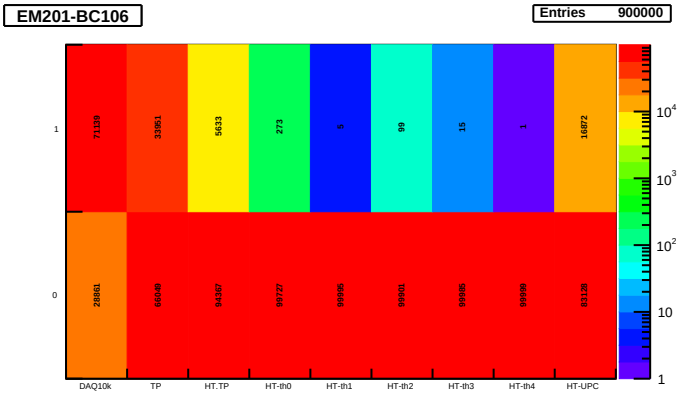

EM201-BC103Diff
Entries 111330
1
0
-1
66702
30550
4827
298
2
26
7817
979
29
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^4
10^3
10^2
10
1

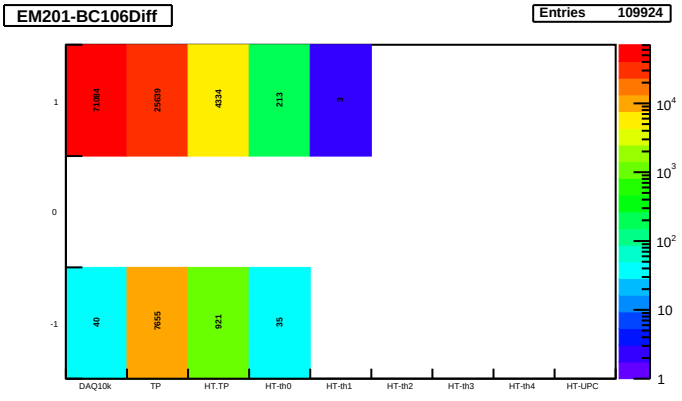

EM201-BC104
Entries 900000
1
0
66908
30126
6072
318
5
100
24
16822
33092
69874
93928
99682
99995
99900
99976
100000
83178
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^5
10^4
10^3
10^2
10
1

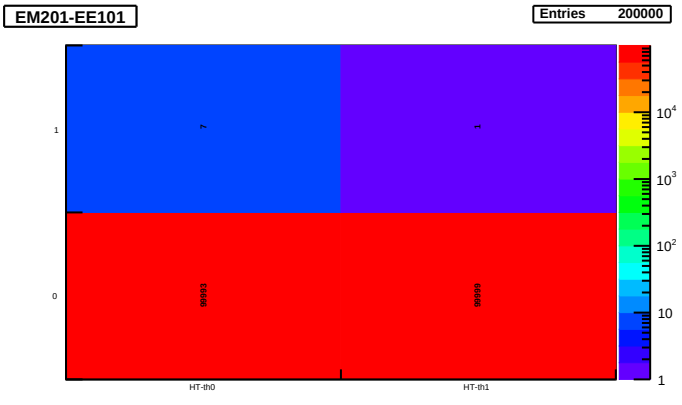

EM201-BC104Diff
Entries 111170
1
0
-1
66861
30246
4778
296
5
49
8004
936
34
1
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10^4
10^3
10^2
10
1

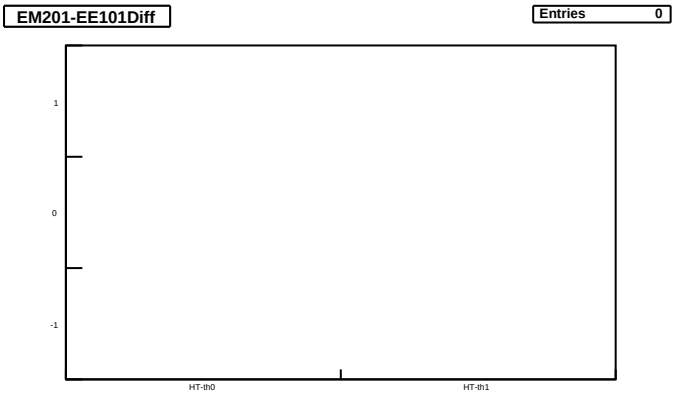

EM201-BC105
Entries 900000
67205
38717
5844
330
8
97
22
16689
32795
61283
94156
99670
99992
99903
99978
100000
83311
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

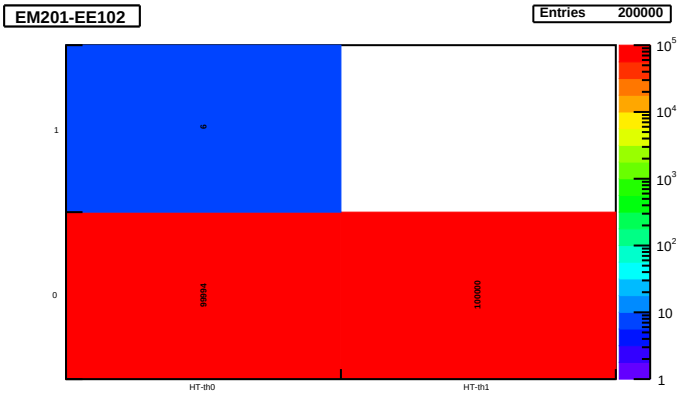

EM201-BC105Diff
Entries 111206
67162
30123
4576
275
7
49
7935
942
37
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

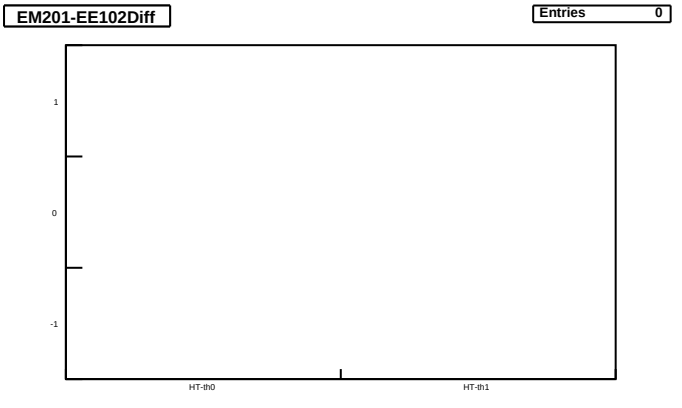

EM201-BC106
Entries 900000
71139
33961
5633
273
5
99
15
1
16872
28861
66040
94367
99727
99995
99901
99985
99999
83128
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

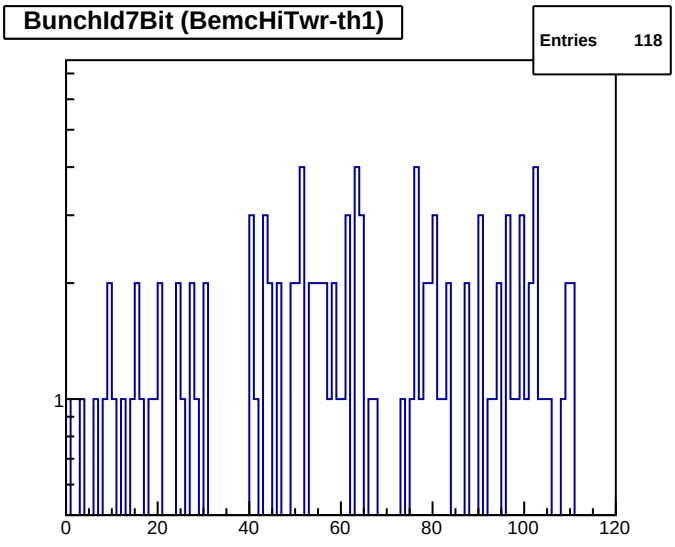

EM201-BC106Diff
Entries 109924
71084
25639
4234
213
3
40
7655
921
35
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

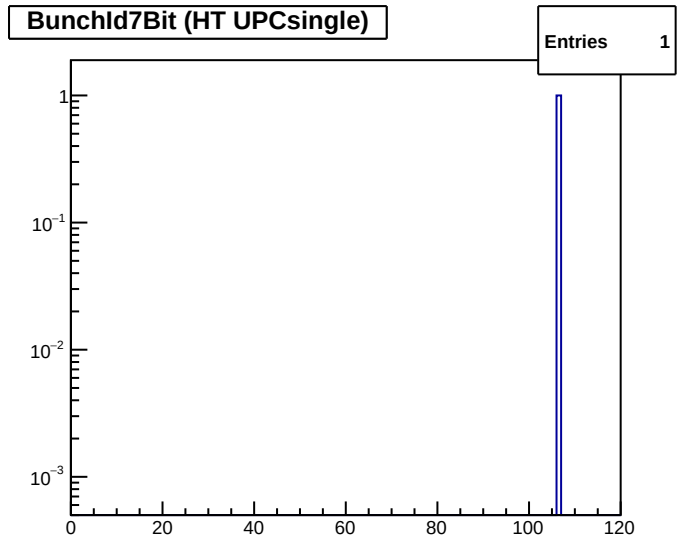

EM201-EE101
Entries 200000
7
1
99993
99999
HT-th0
HT-th1

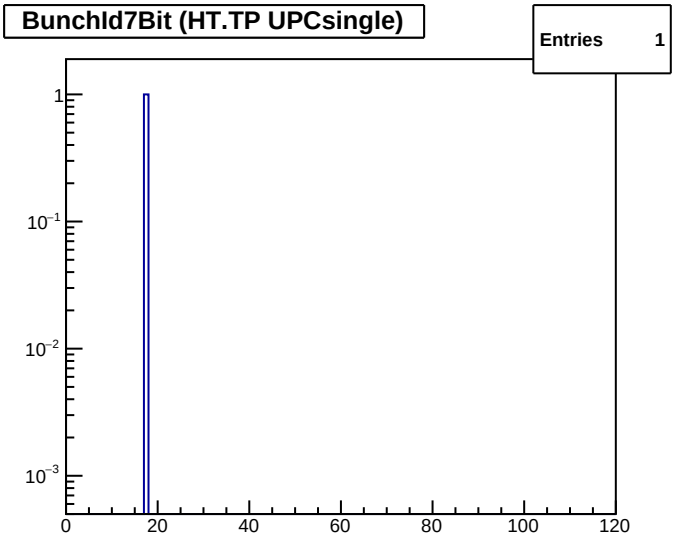

EM201-EE101Diff
Entries 0
HT-th0
HT-th1

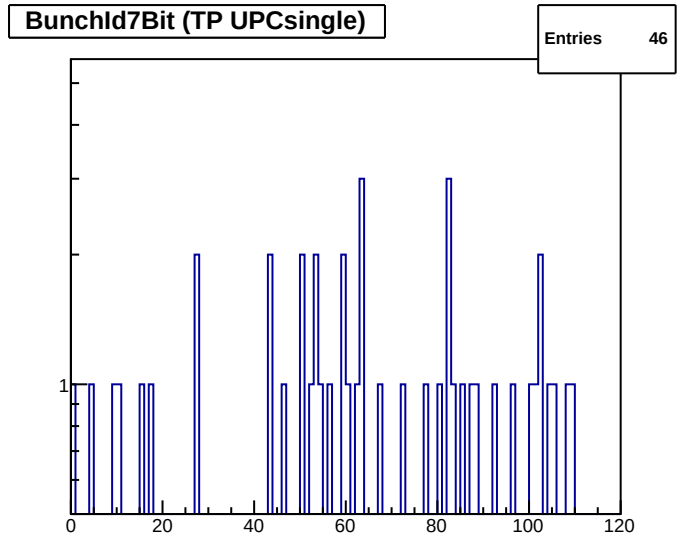

EM201-EE102
Entries 200000
6
99994
100000
HT-th0
HT-th1

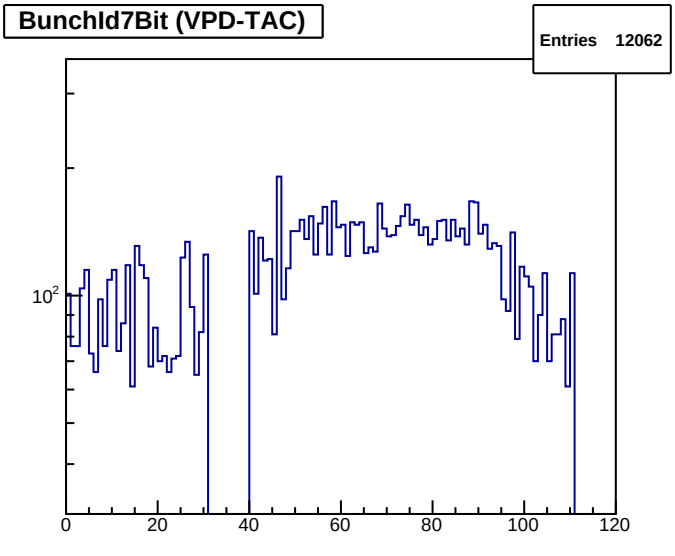

EM201-EE102Diff
Entries 0
HT-th0
HT-th1

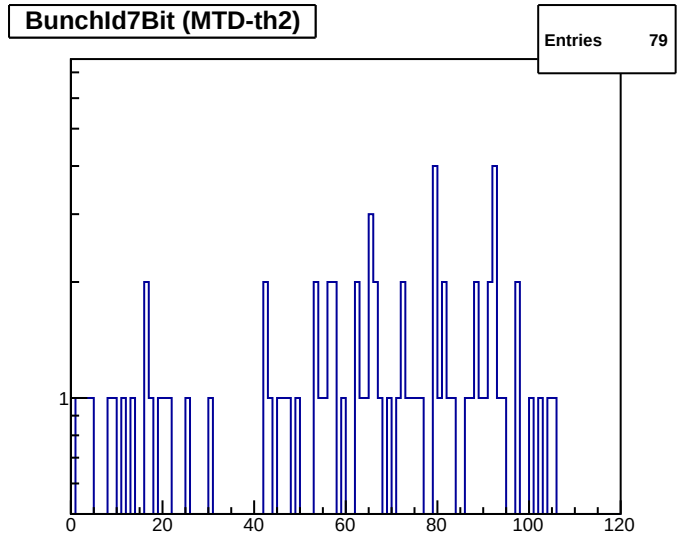

BunchId7Bit (BemcHiTwr-th1)
Entries 118
1
0 20 40 60 80 100 120

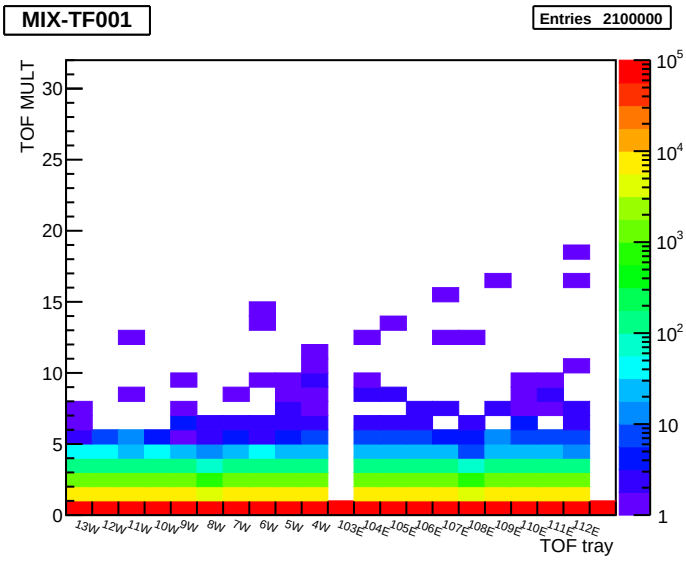

BunchId7Bit (HT UPCsingle)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

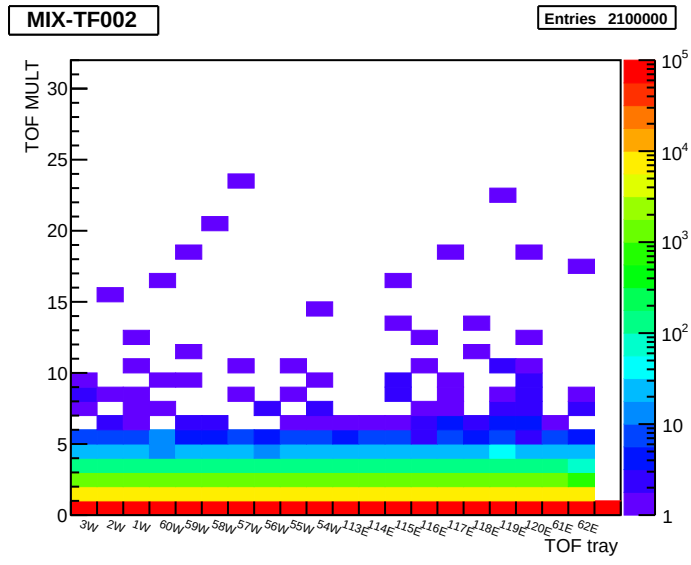

BunchId7Bit (HT.TP UPCsingle)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

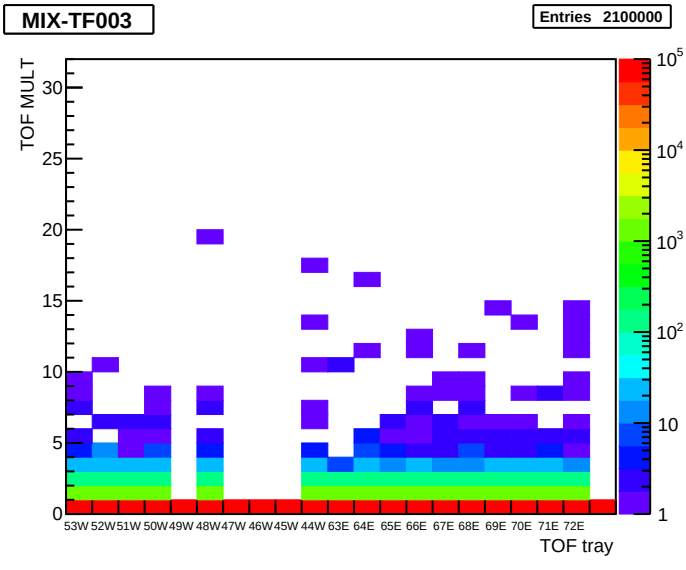

BunchId7Bit (TP UPCsingle)
Entries 46
1
0 20 40 60 80 100 120

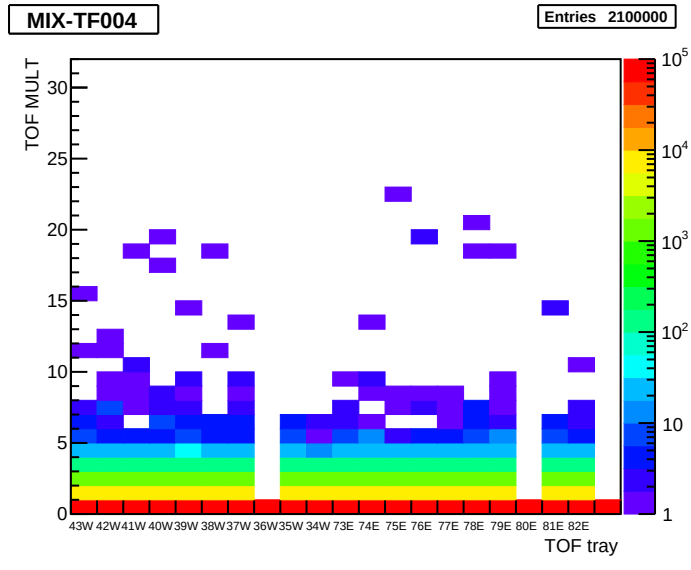

BunchId7Bit (VPD-TAC)
Entries 12062
10^{2}
0 20 40 60 80 100 120

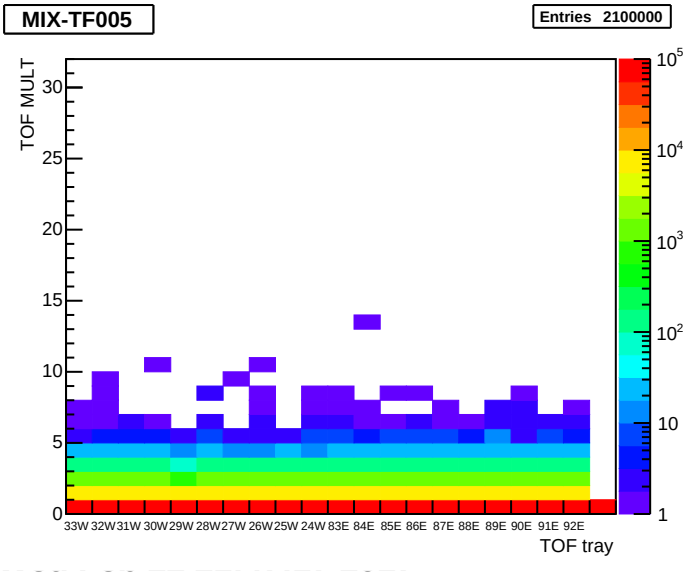

BunchId7Bit (MTD-th2)
Entries 79
1
0 20 40 60 80 100 120

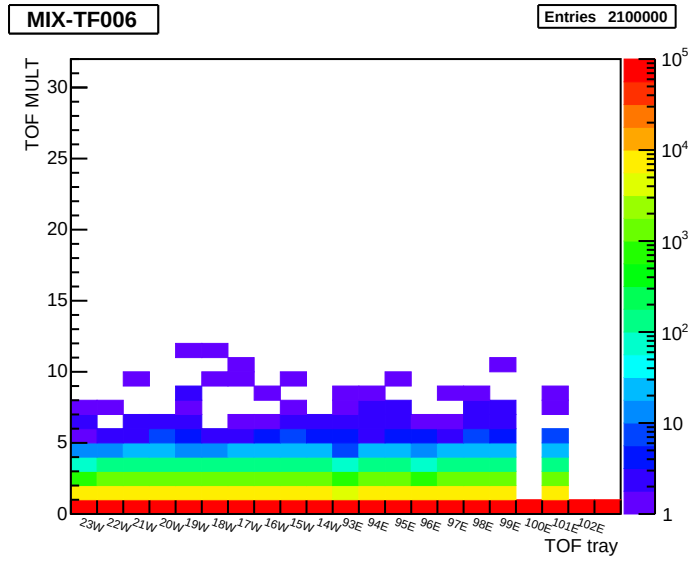

MIX-TF001
Entries 2100000
TOF MULT
TOF tray

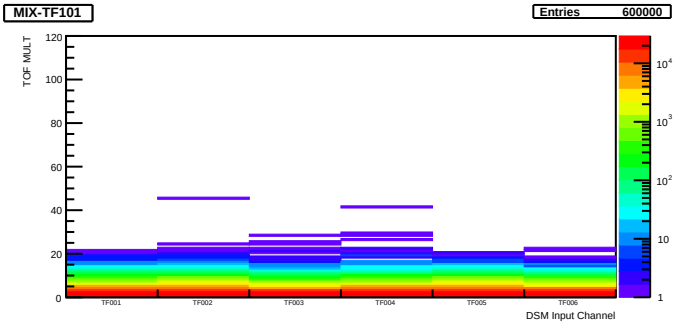

MIX-TF002
Entries 2100000
TOF MULT
TOF tray

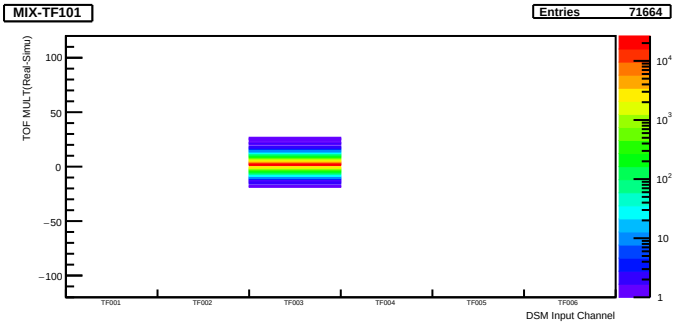

MIX-TF003
Entries 2100000
TOF MULT
TOF tray

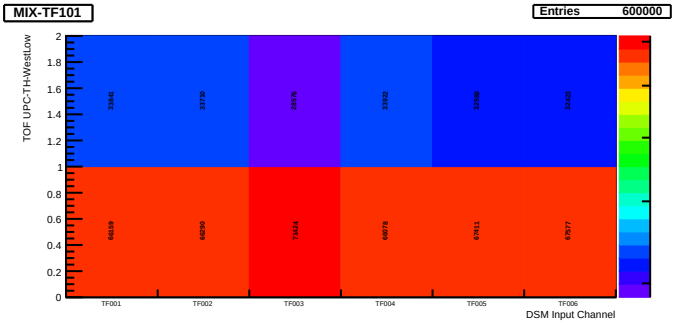

MIX-TF004
Entries 2100000
TOF MULT
TOF tray

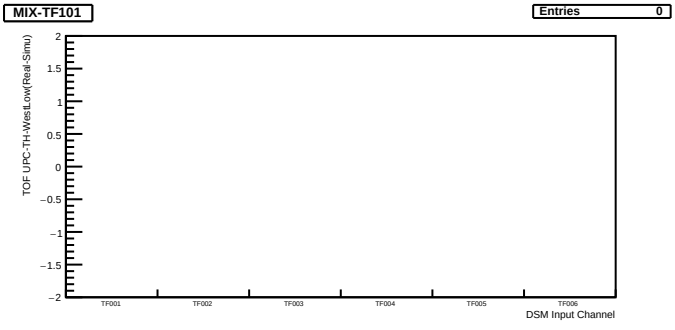

MIX-TF005
Entries 2100000
TOF MULT
TOF tray

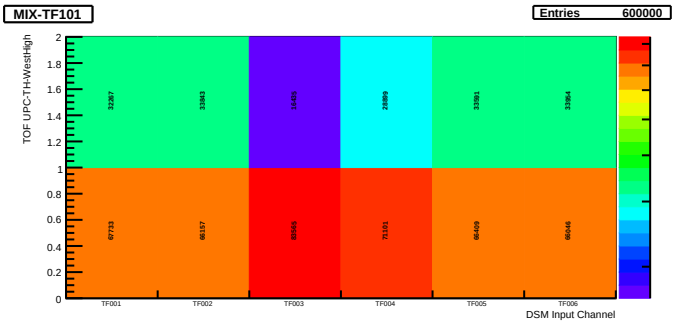

MIX-TF006
Entries 2100000
TOF MULT
TOF tray

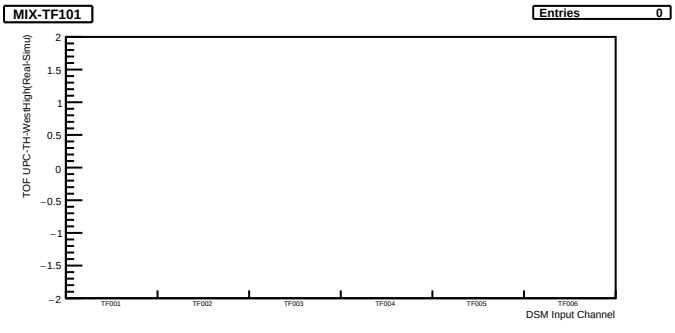

MIX-TF101
Entries 600000
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

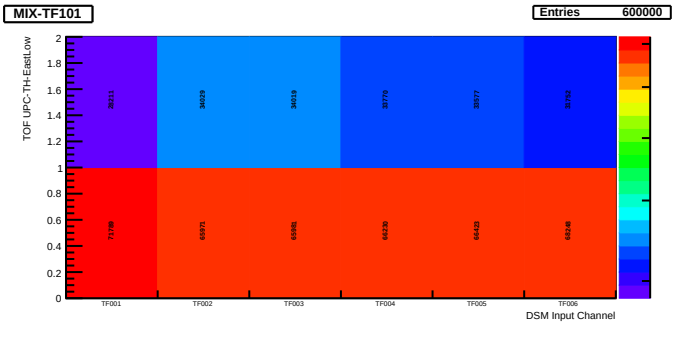

MIX-TF101
Entries 71664
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

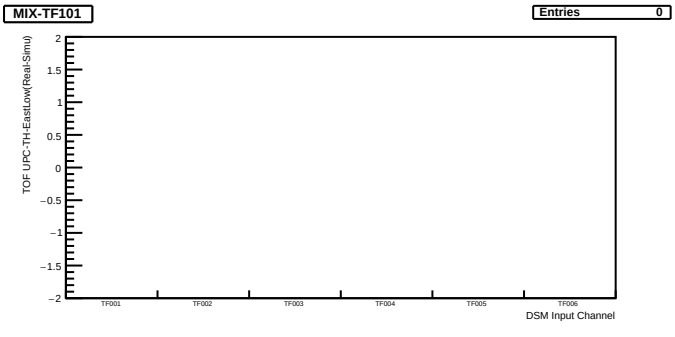

MIX-TF101
Entries 600000
TOF UPC-TH-WestLow
33841
33730
28576
33992
32589
32425
66159
66290
71424
66078
67411
67977
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

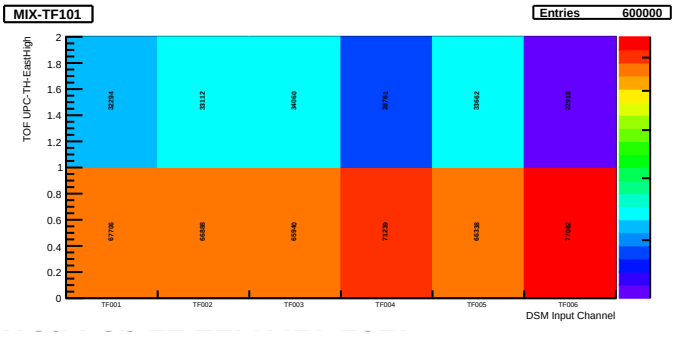

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

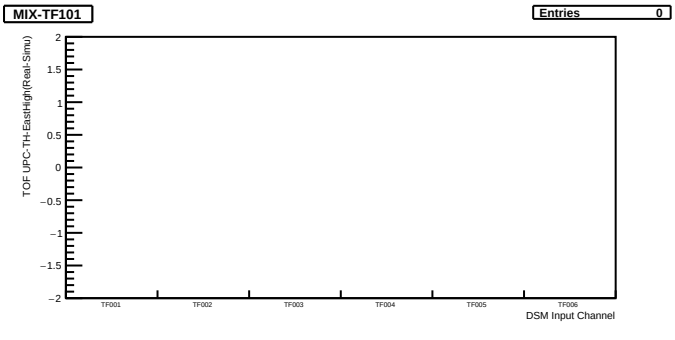

MIX-TF101
Entries 600000
TOF UPC-TH-WestHigh
32287
33943
31455
28899
33391
33964
67733
66157
65565
71101
66409
66446
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

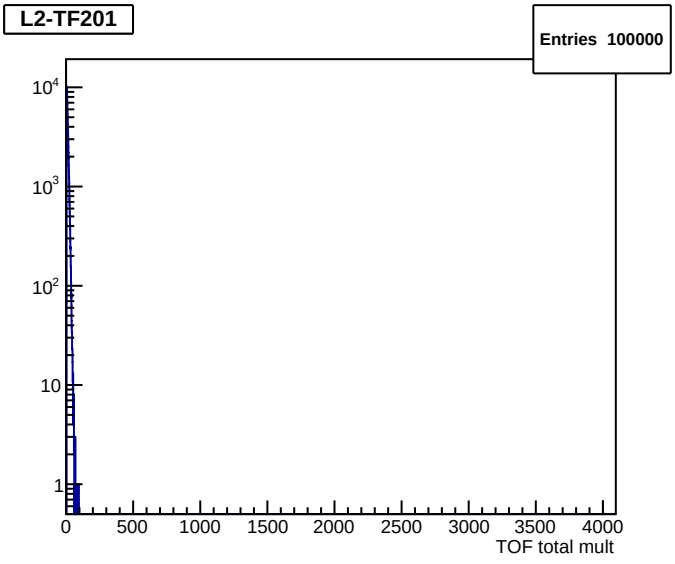

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

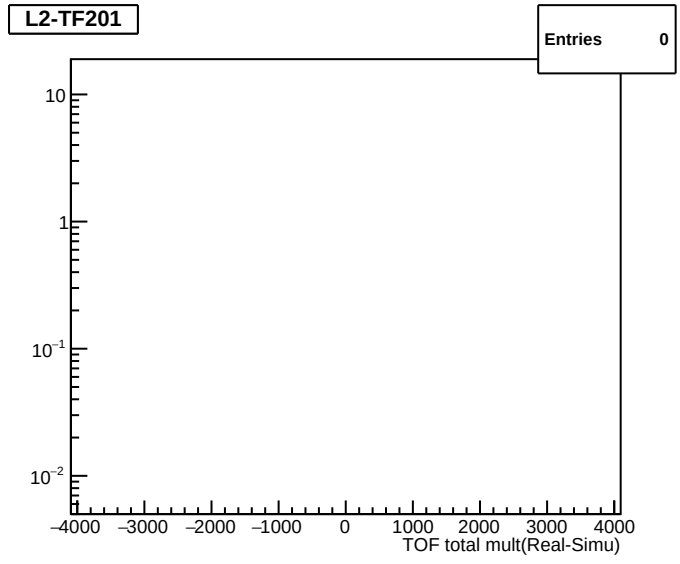

MIX-TF101
Entries 600000
TOF UPC-TH-EastLow
26211
34029
34019
33770
33577
33752
71789
65971
65981
66230
66443
66248
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

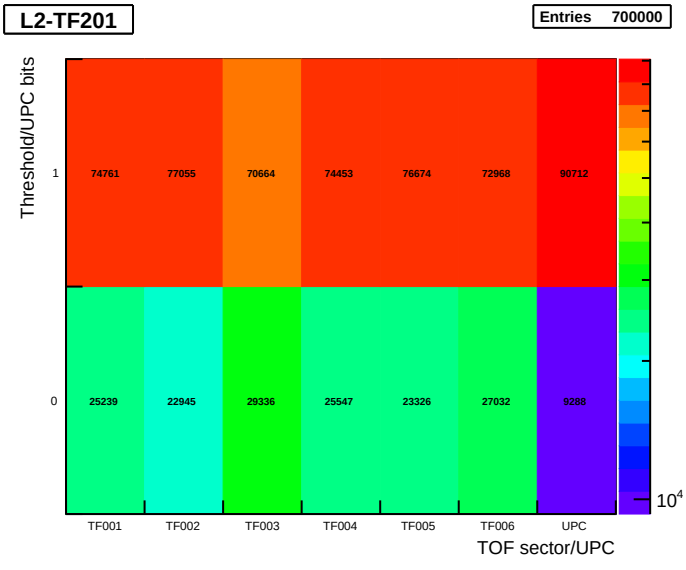

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

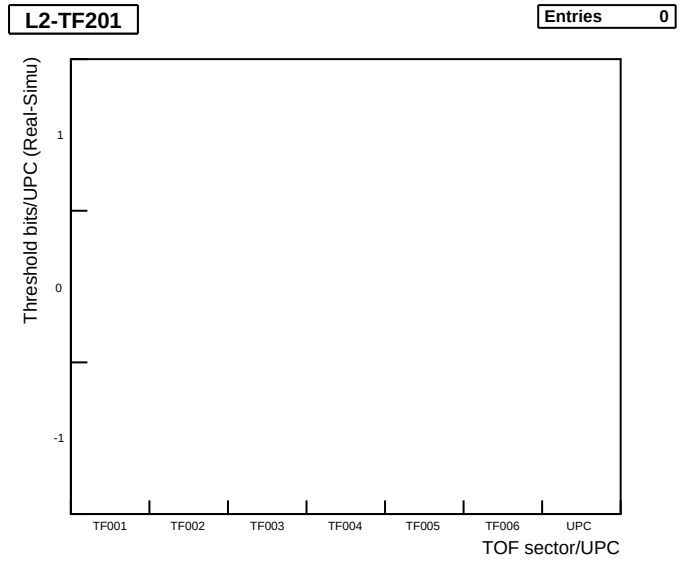

MIX-TF101
Entries 600000
TOF UPC-TH-EastHigh
32294
33112
34066
28761
33642
22018
67708
66888
65940
71239
66338
77092
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

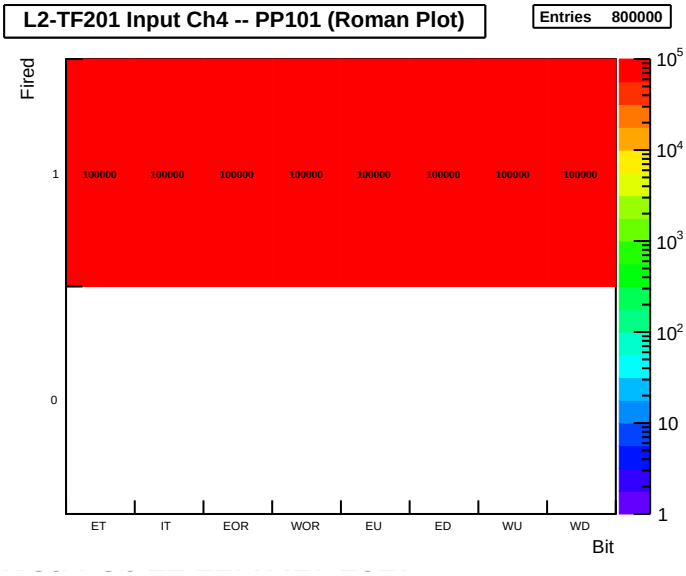

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

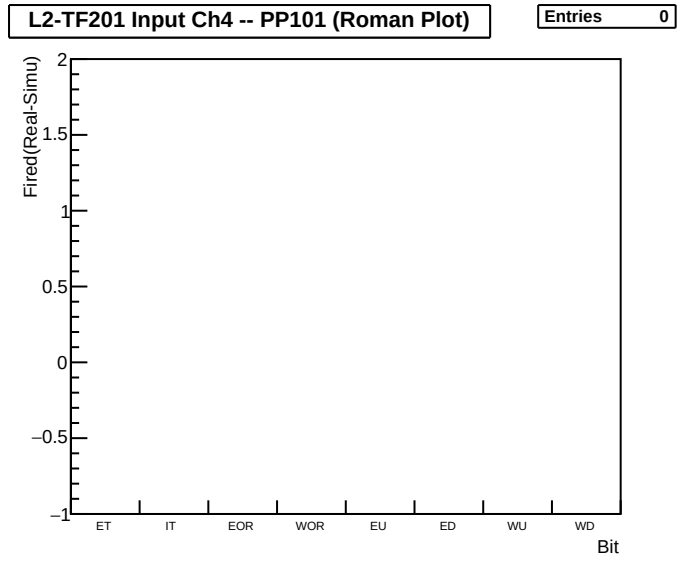

L2-TF201
Entries 100000
TOF total mult

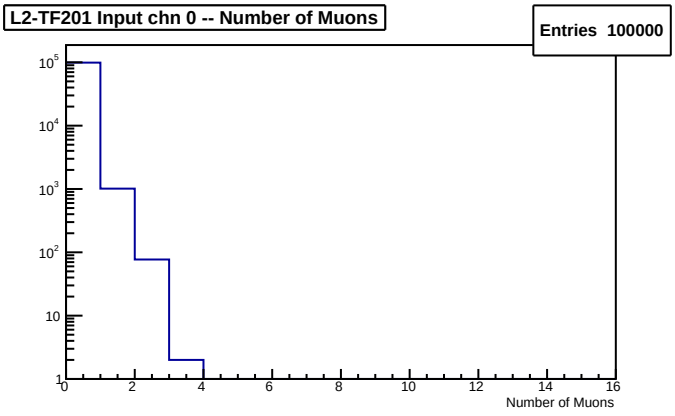

L2-TF201
Entries 0
TOF total mult(Real-Simu)

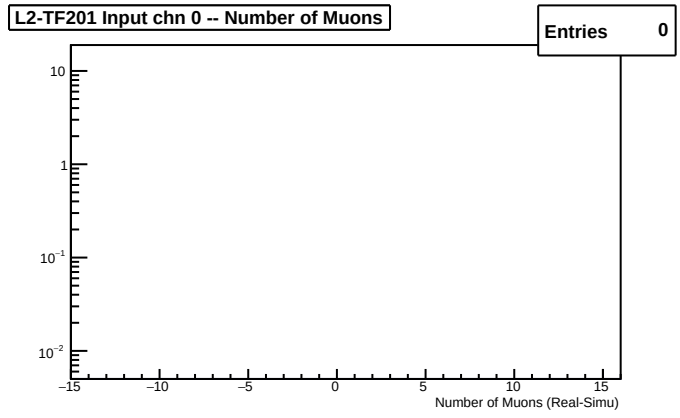

L2-TF201
Entries 700000
Threshold/UPC bits
74761
77055
70664
74453
76674
72968
90712
25239
22945
29336
25547
23326
27032
9288
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

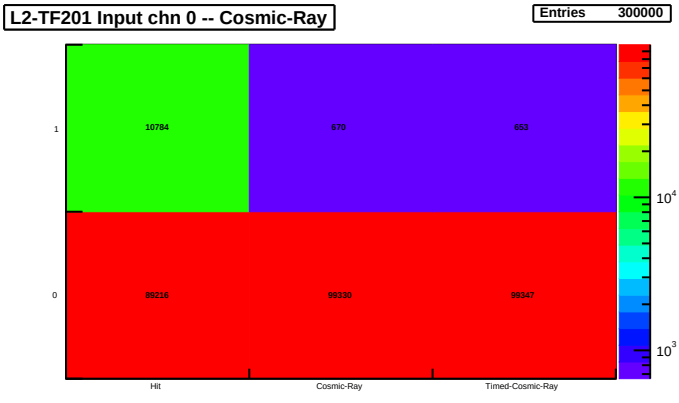

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

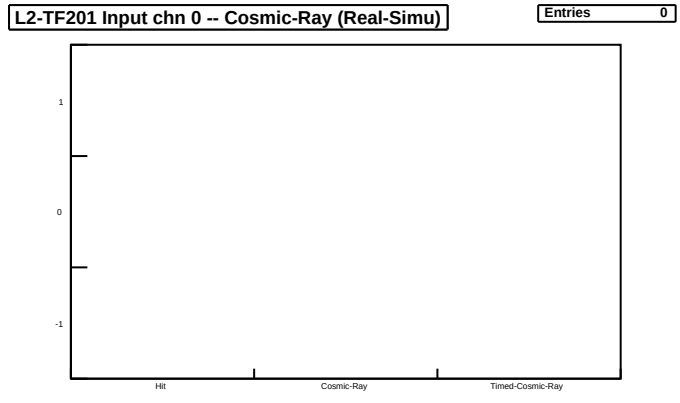

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 800000
Fired
100000
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

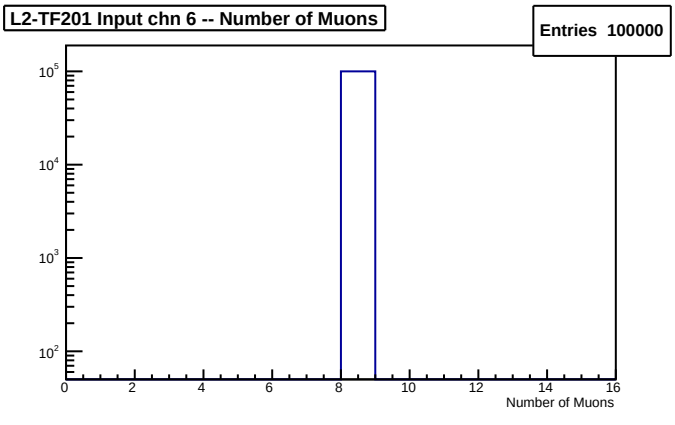

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

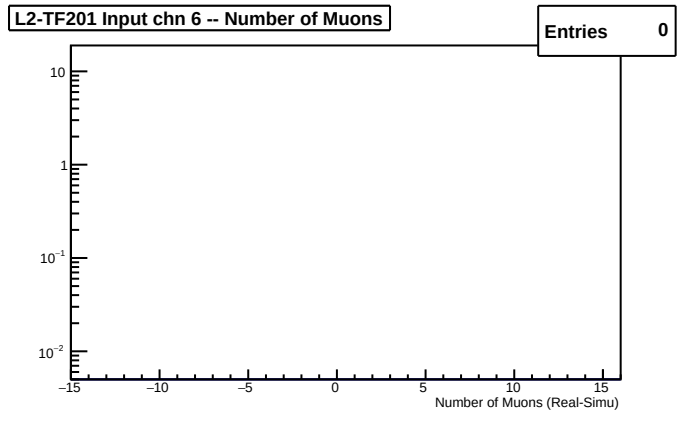

L2-TF201 Input chn 0 -- Number of Muons
Entries 100000
Number of Muons

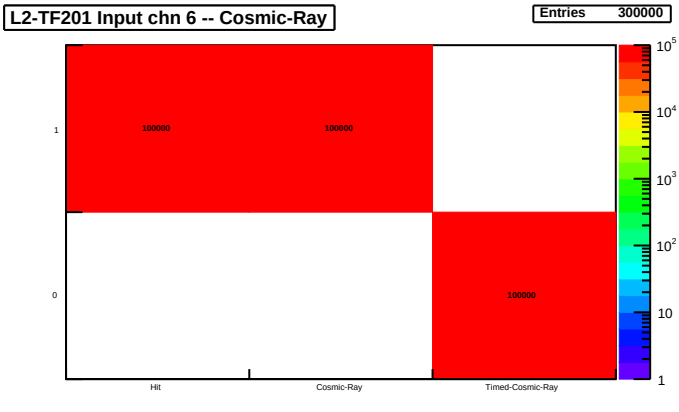

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

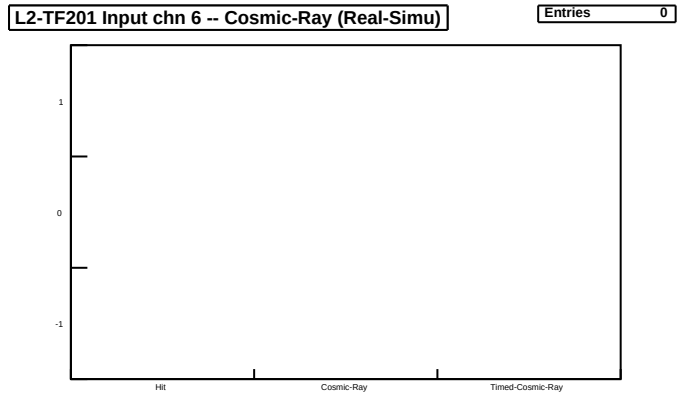

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 300000
10784
670
653
89216
99330
99347
Hit
Cosmic-Ray
Timed-Cosmic-Ray

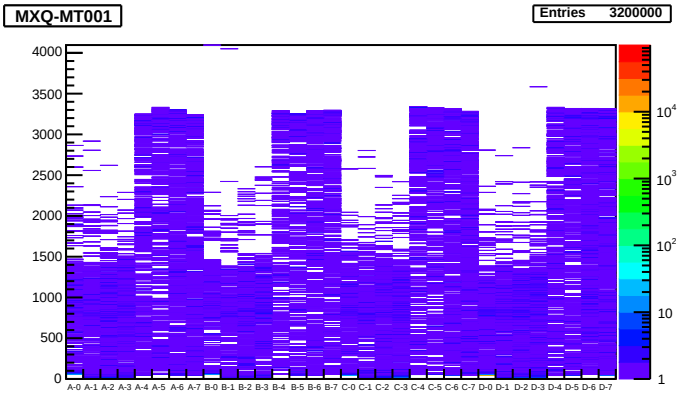

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

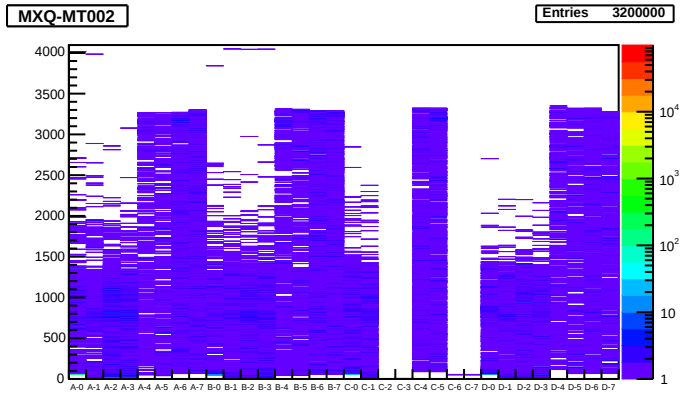

L2-TF201 Input chn 6 -- Number of Muons
Entries 100000
Number of Muons

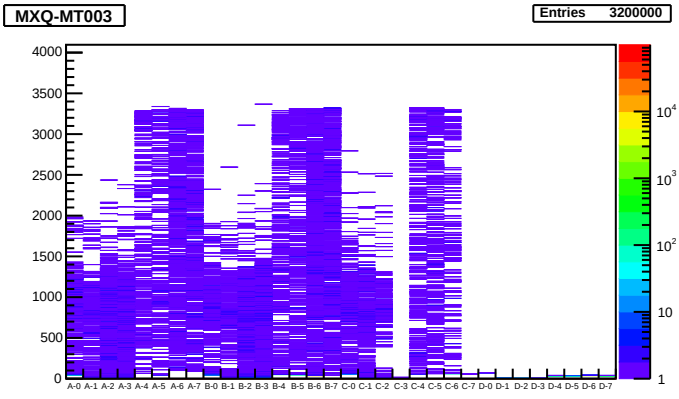

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

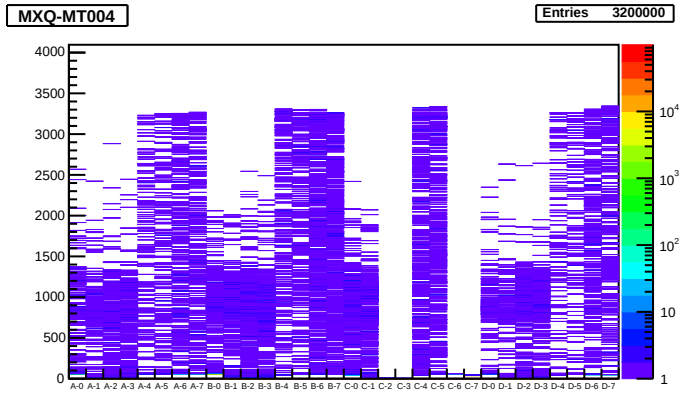

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 300000
100000
100000
100000
Hit
Cosmic-Ray
Timed-Cosmic-Ray

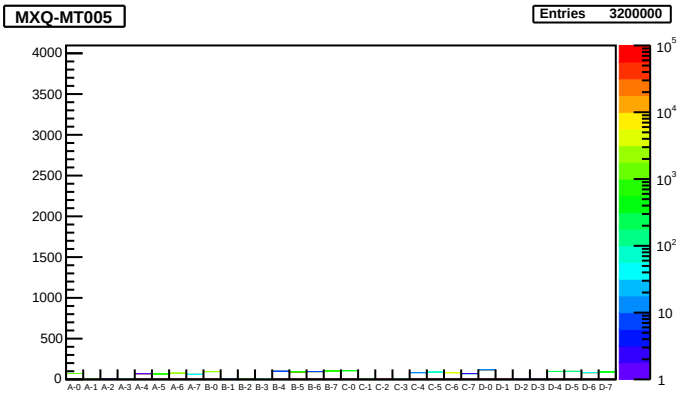

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

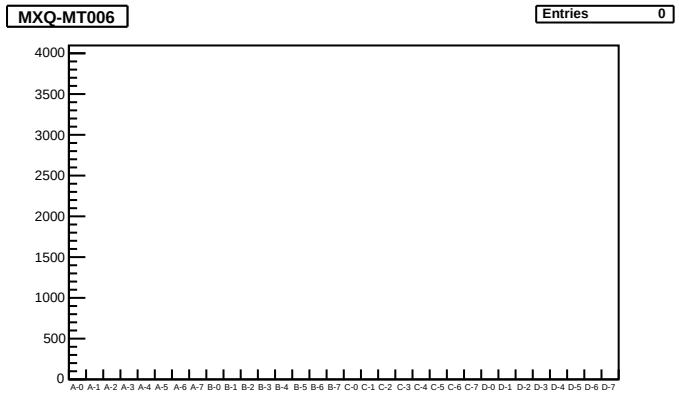

MXQ-MT001
Entries 3200000

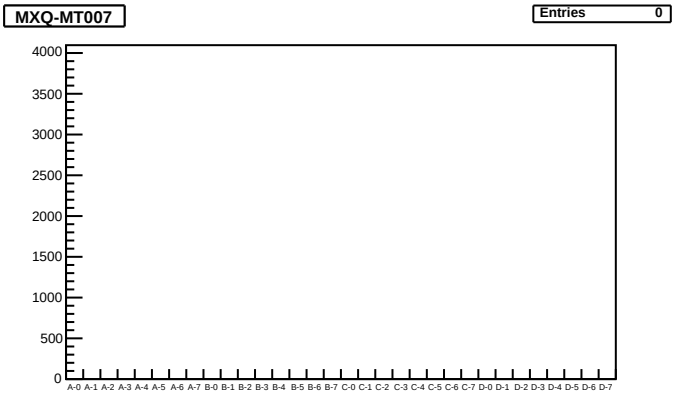

MXQ-MT002
Entries 3200000

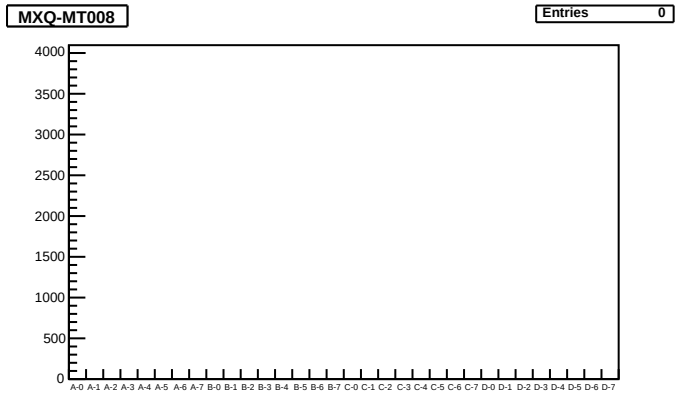

MXQ-MT003
Entries 3200000

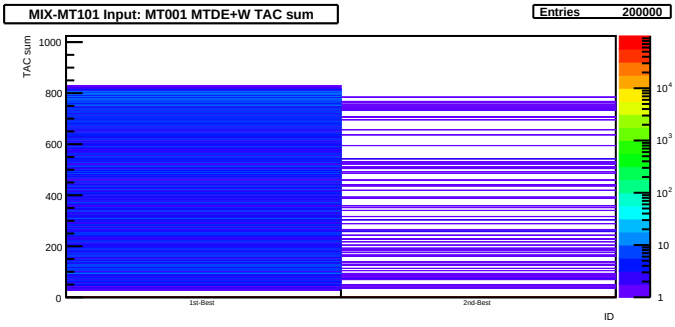

MXQ-MT004
Entries 3200000

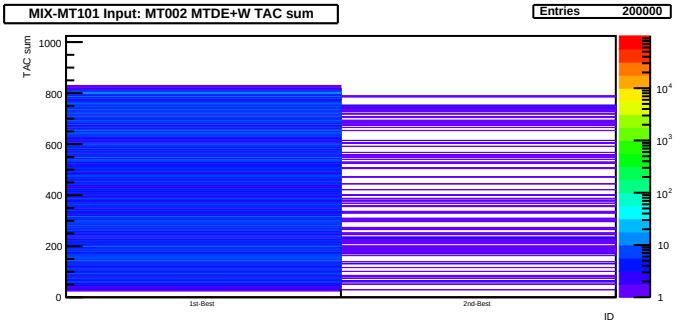

MXQ-MT005
Entries 3200000

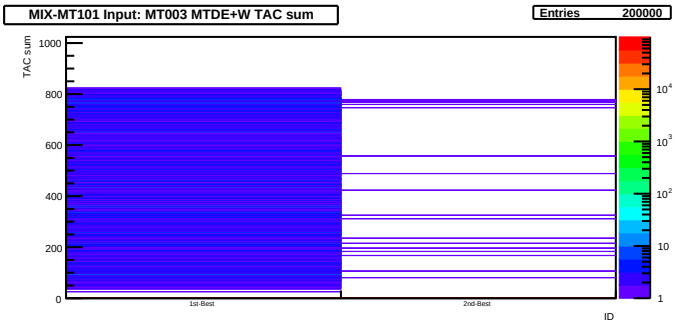

MXQ-MT006
Entries 0

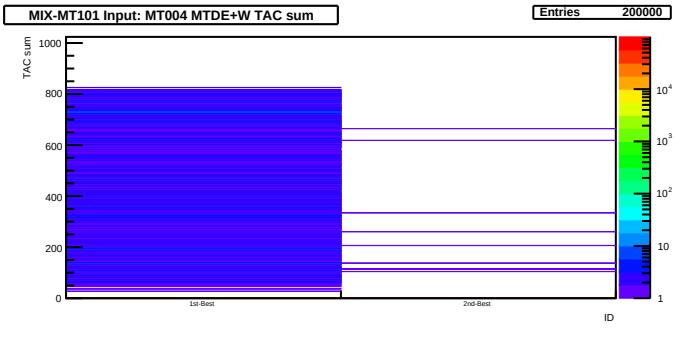

MXQ-MT007
Entries 0

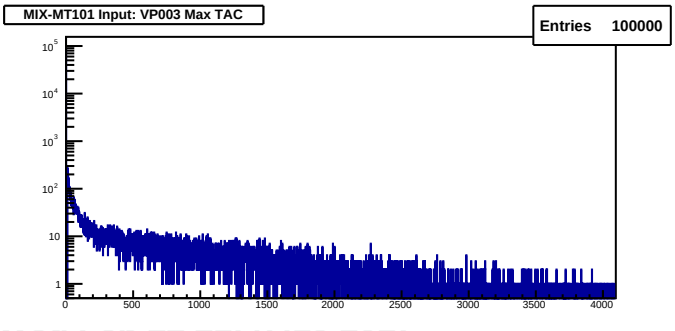

MXQ-MT008
Entries 0

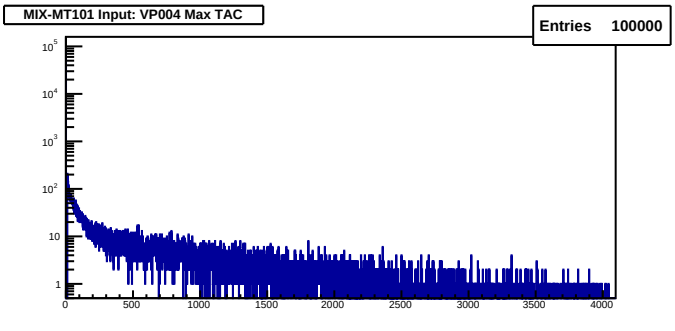

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

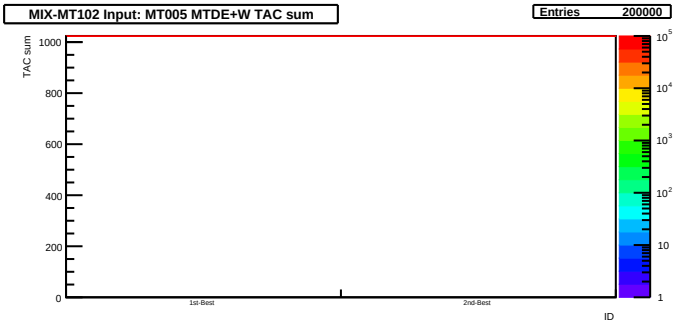

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

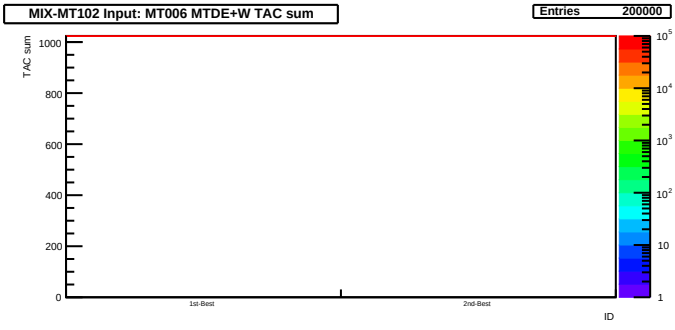

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

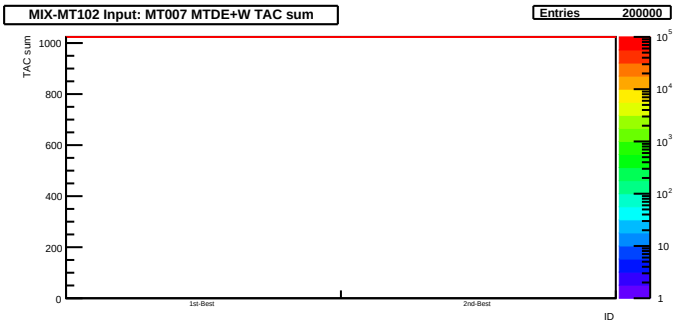

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

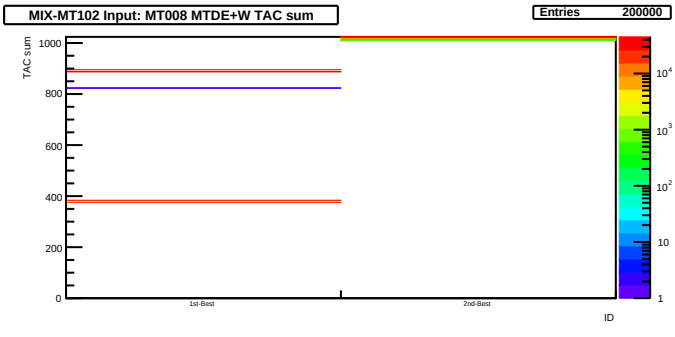

MIX-MT101 Input: VP003 Max TAC
Entries 100000

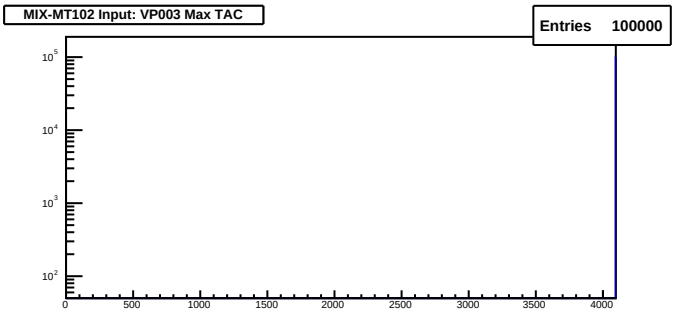

MIX-MT101 Input: VP004 Max TAC
Entries 100000

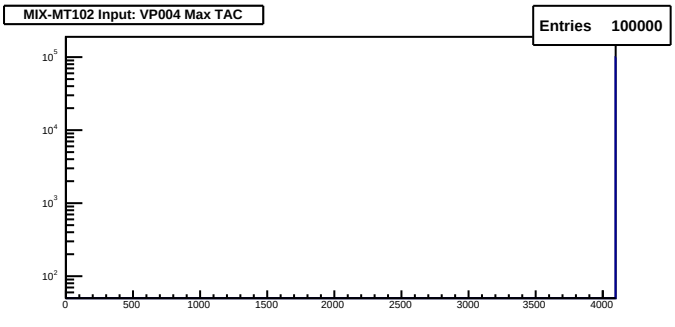

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

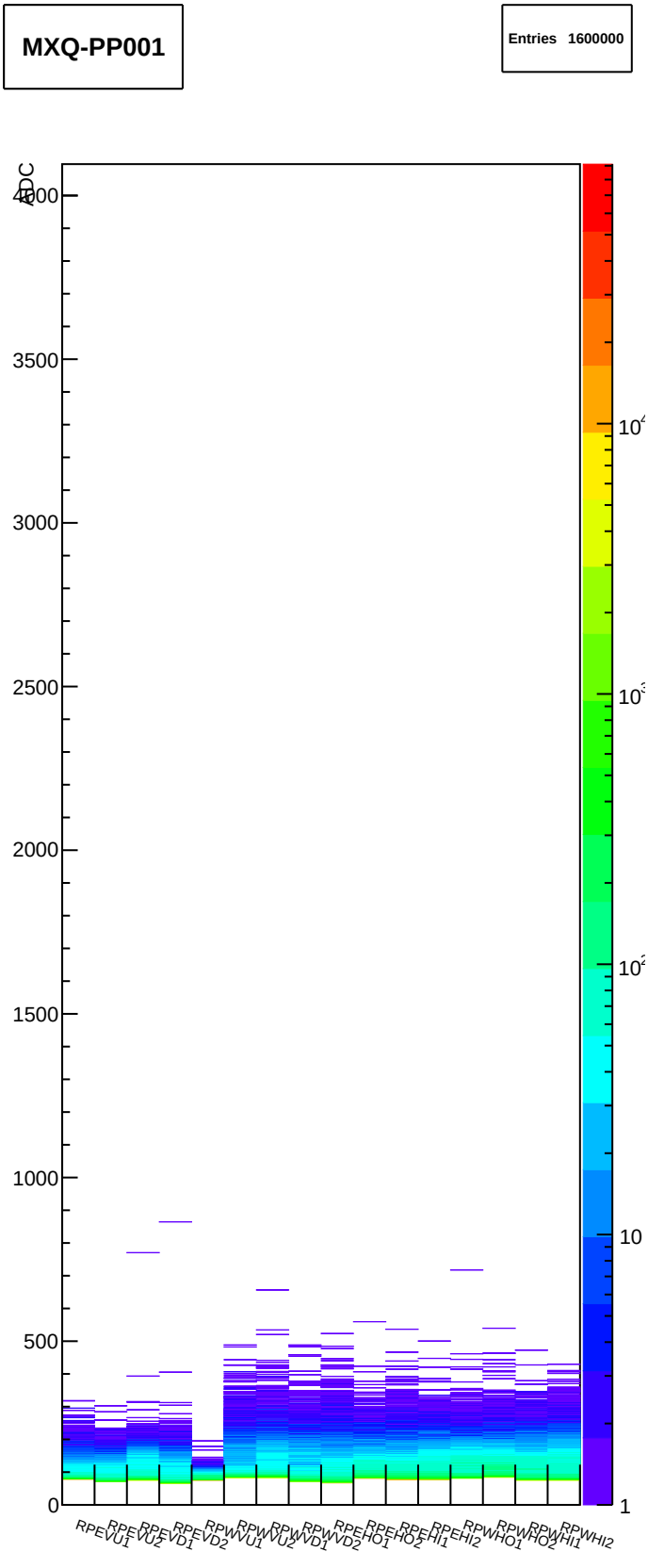

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

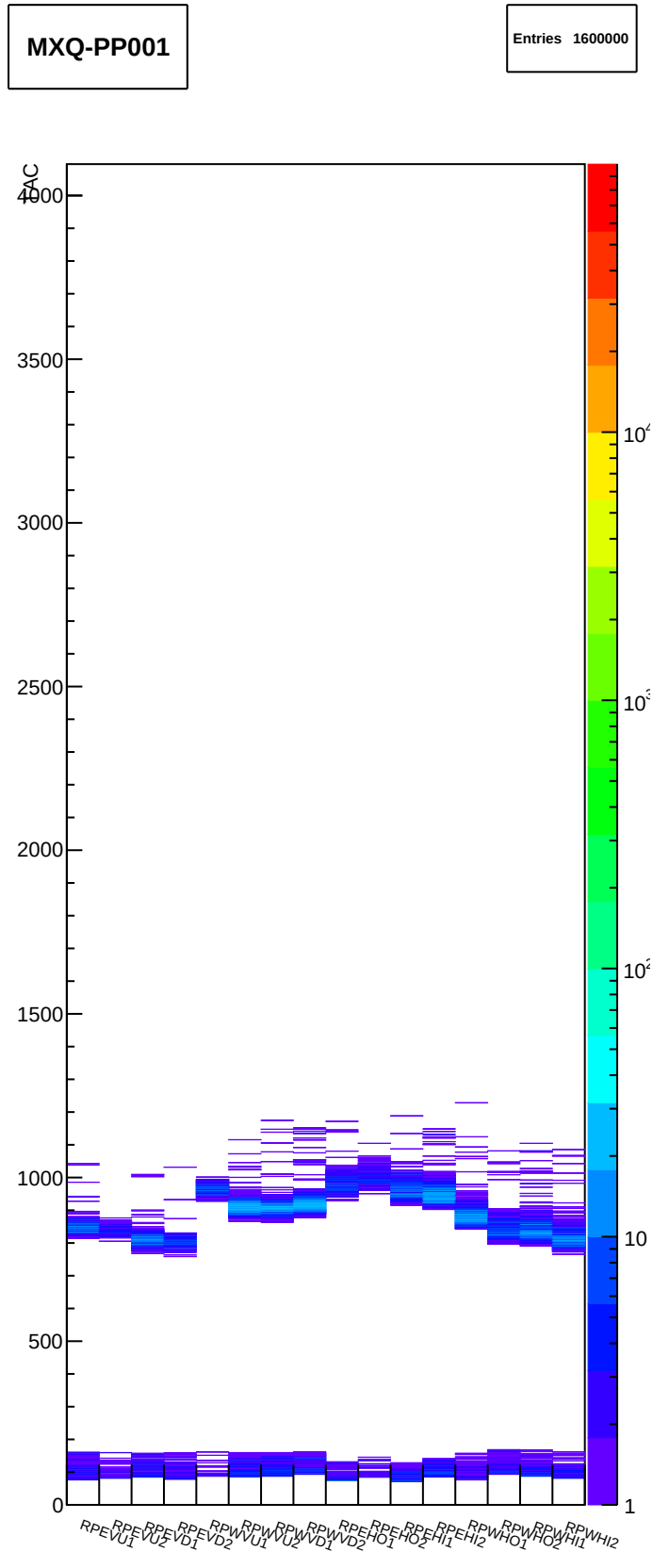

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

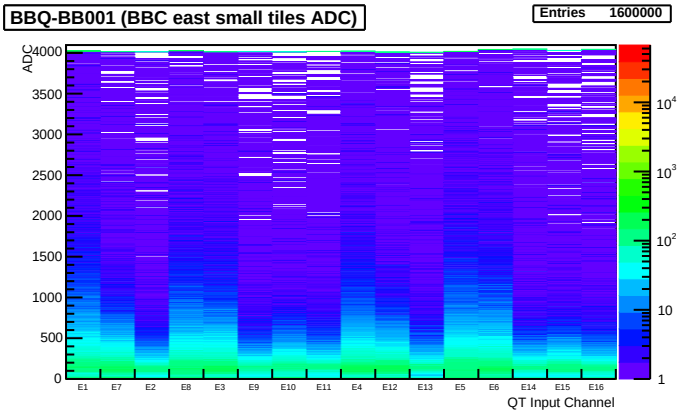

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 200000
TAC sum
1st-Best
2nd-Best
ID

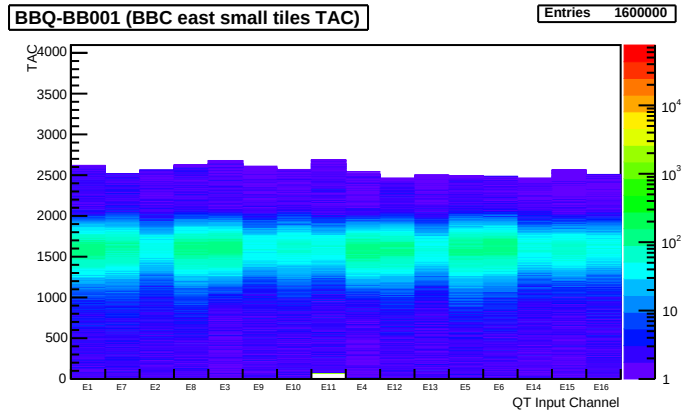

MIX-MT102 Input: VP003 Max TAC
Entries 100000

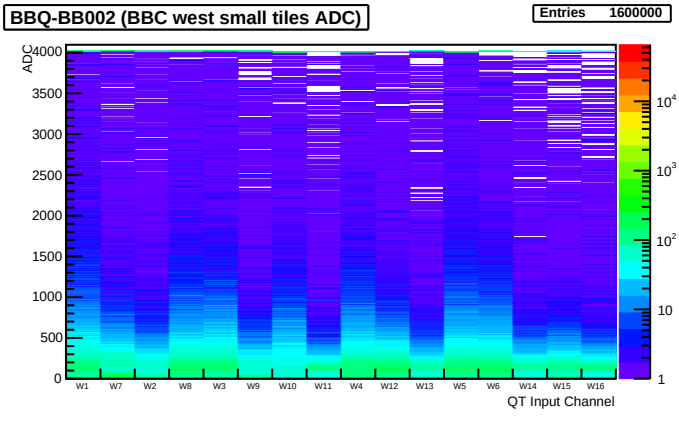

MIX-MT102 Input: VP004 Max TAC
Entries 100000

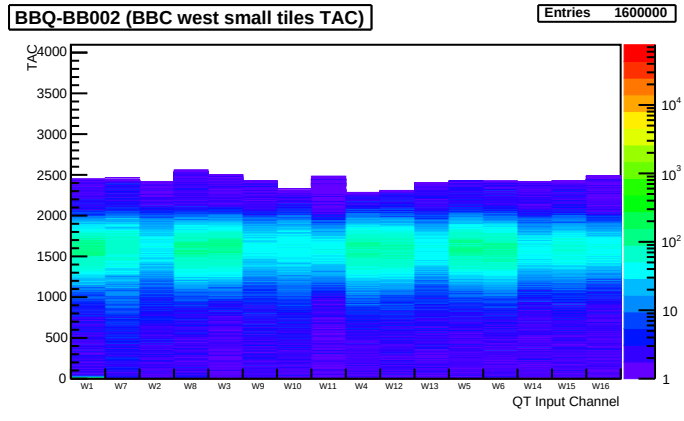

MXQ-PP001
Entries 1600000
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

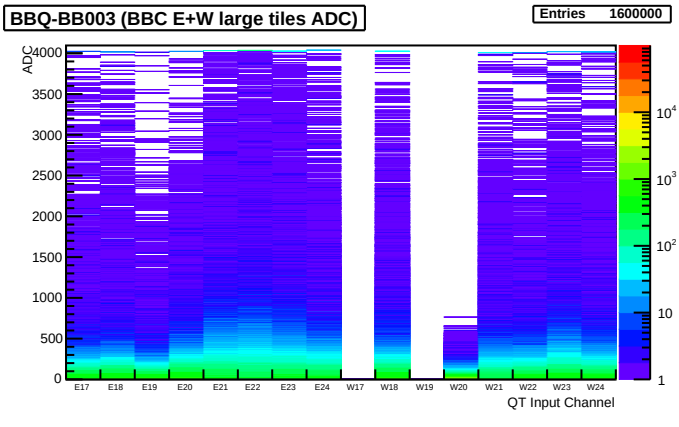

MXQ-PP001
Entries 1600000
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

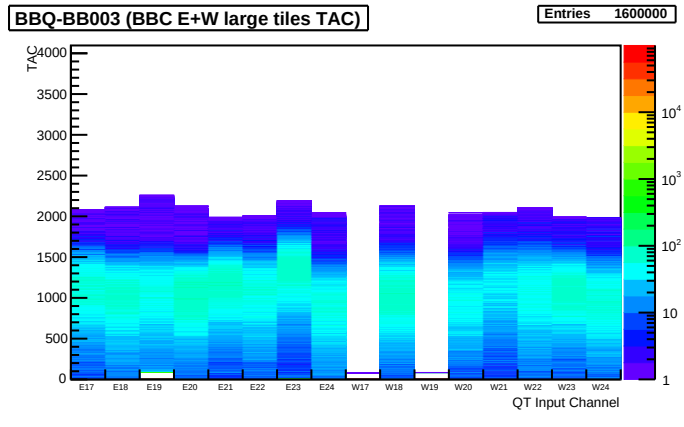

BBQ-BB001 (BBC east small tiles ADC)
Entries 1600000
ADC
QT Input Channel

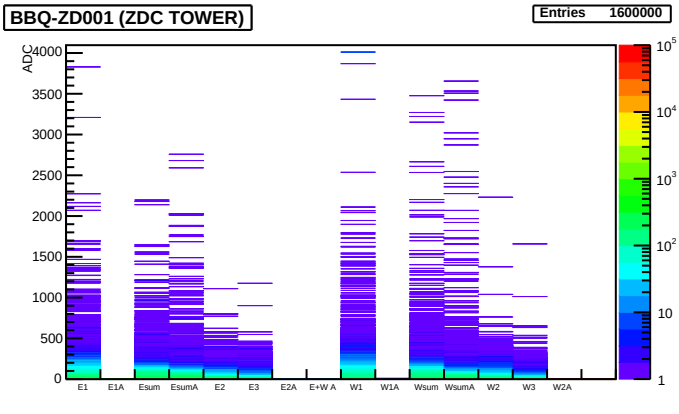

BBQ-BB001 (BBC east small tiles TAC)
Entries 1600000
TAC
QT Input Channel

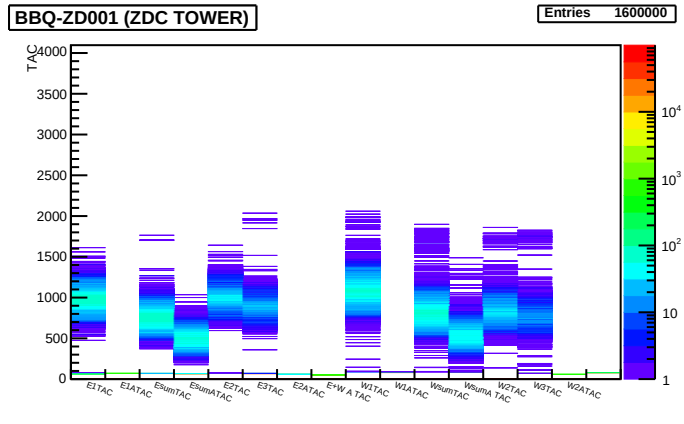

BBQ-BB002 (BBC west small tiles ADC)
Entries 1600000
ADC
QT Input Channel

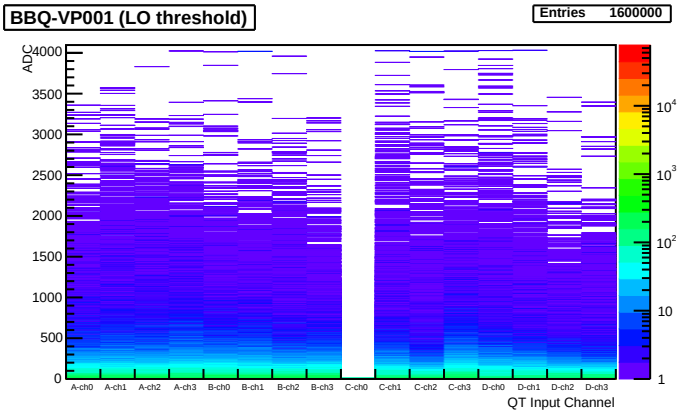

BBQ-BB002 (BBC west small tiles TAC)
Entries 1600000
TAC
QT Input Channel

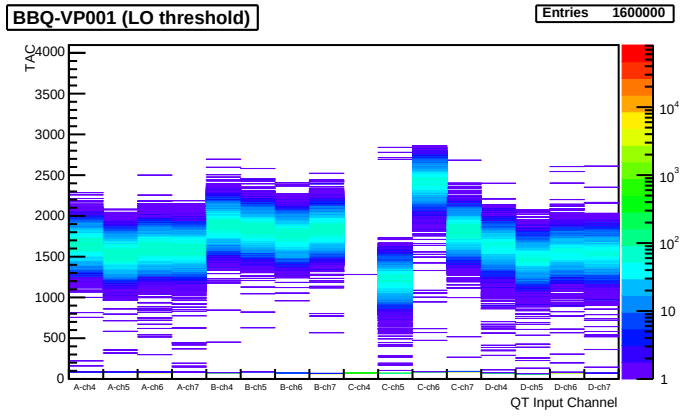

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1600000
ADC
QT Input Channel

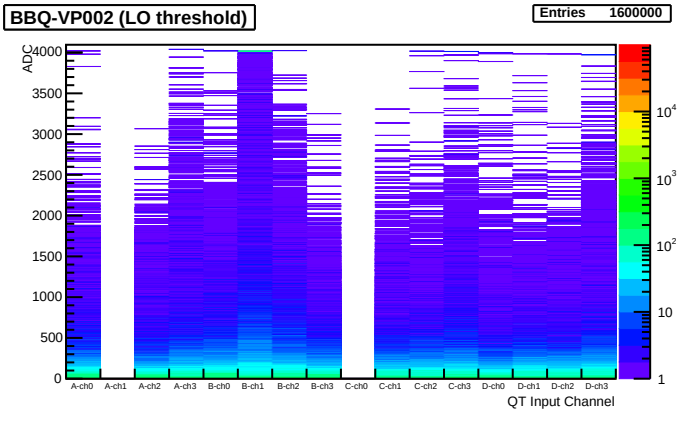

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1600000
TAC
QT Input Channel

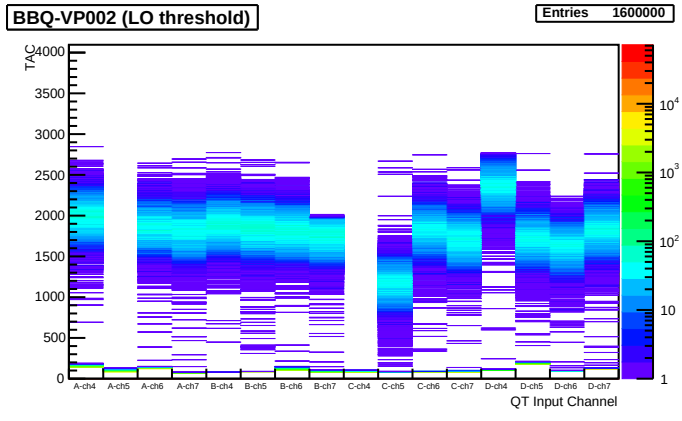

BBQ-ZD001 (ZDC TOWER)
Entries 1600000
ADC

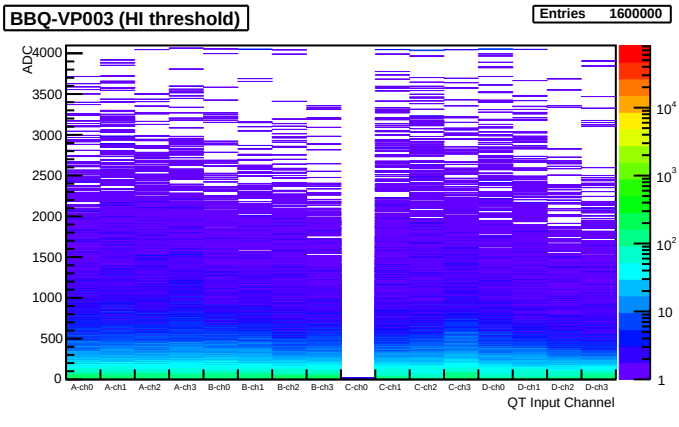

BBQ-ZD001 (ZDC TOWER)
Entries 1600000
TAC

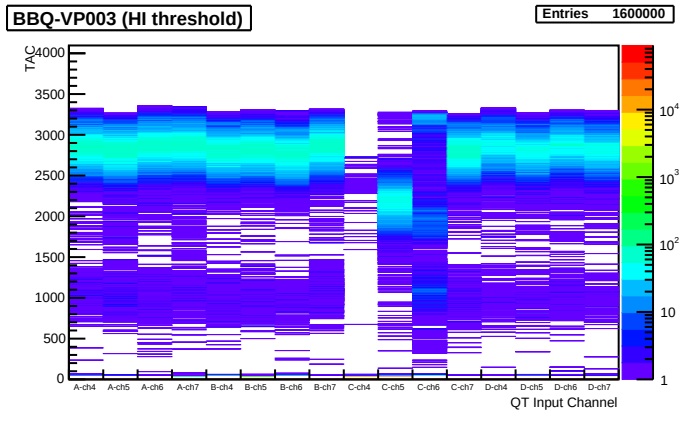

BBQ-VP001 (LO threshold)
Entries 1600000
ADC
QT Input Channel

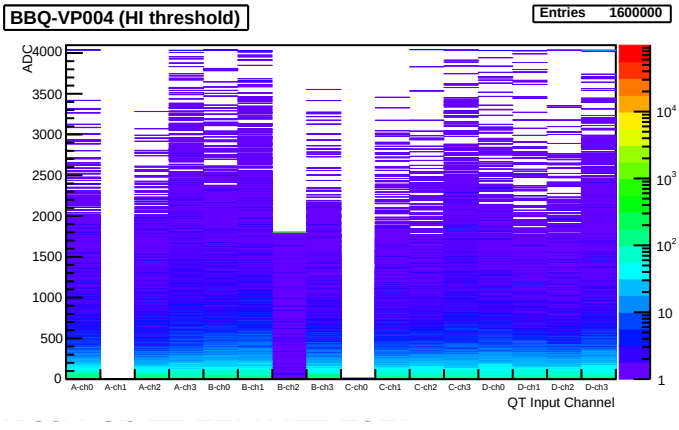

BBQ-VP001 (LO threshold)
Entries 1600000
TAC
QT Input Channel

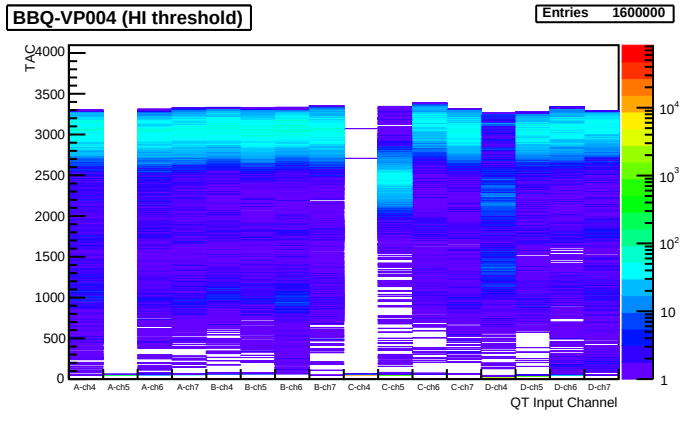

BBQ-VP002 (LO threshold)
Entries 1600000
ADC
QT Input Channel

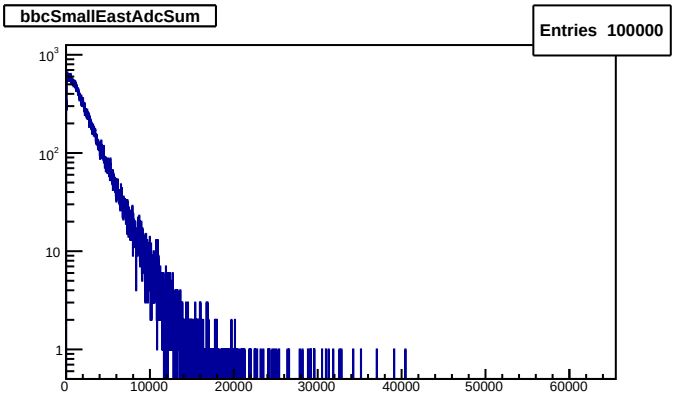

BBQ-VP002 (LO threshold)
Entries 1600000
TAC
QT Input Channel

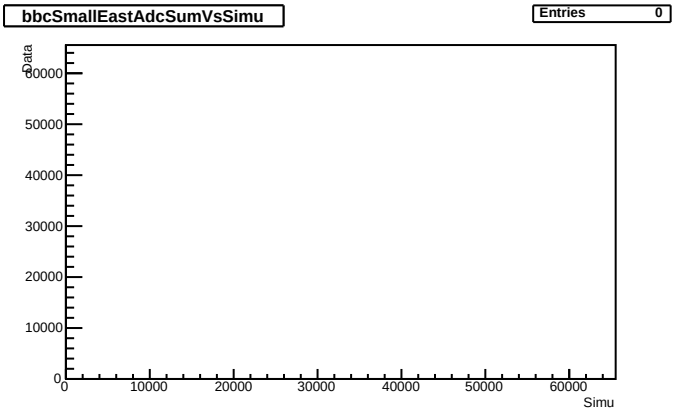

BBQ-VP003 (HI threshold)
Entries 1600000
ADC
QT Input Channel

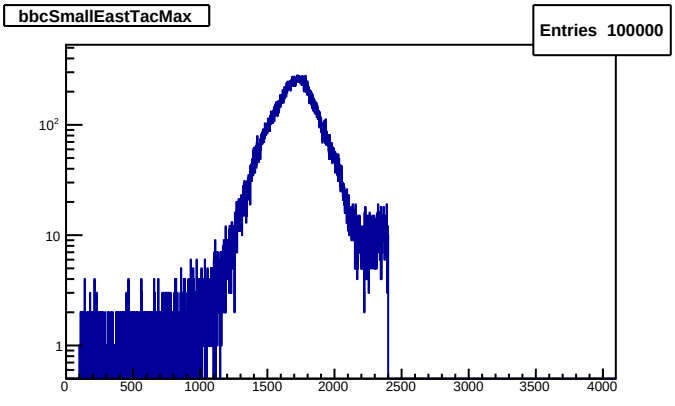

BBQ-VP003 (HI threshold)
Entries 1600000
TAC
QT Input Channel

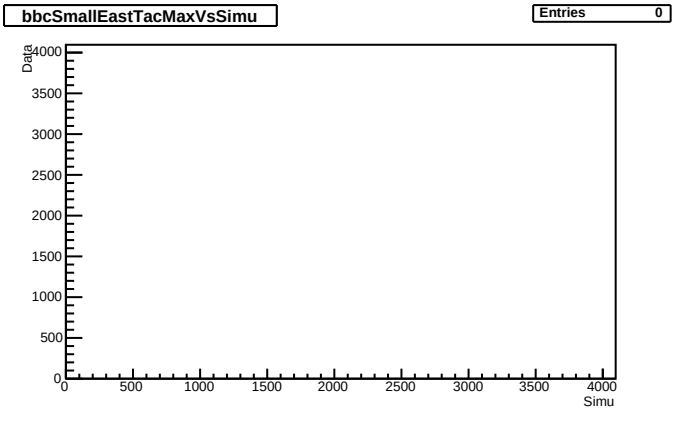

BBQ-VP004 (HI threshold)
Entries 1600000
ADC
QT Input Channel

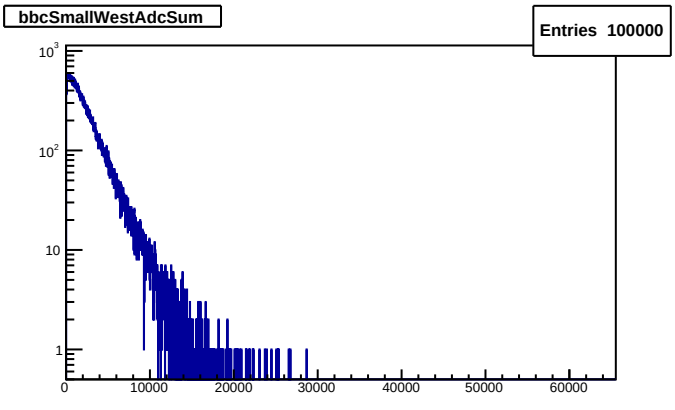

BBQ-VP004 (HI threshold)
Entries 1600000
TAC
QT Input Channel

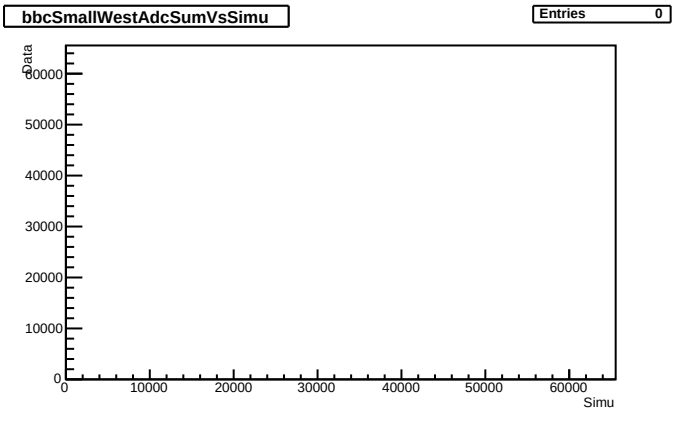

bbcSmallEastAdcSum
Entries 100000

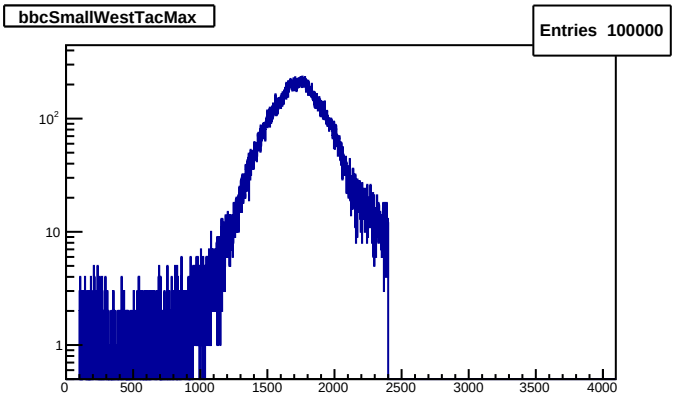

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

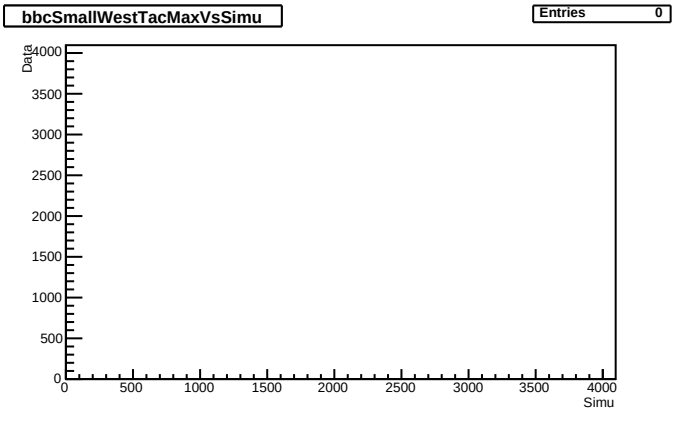

bbcSmallEastTacMax
Entries 100000

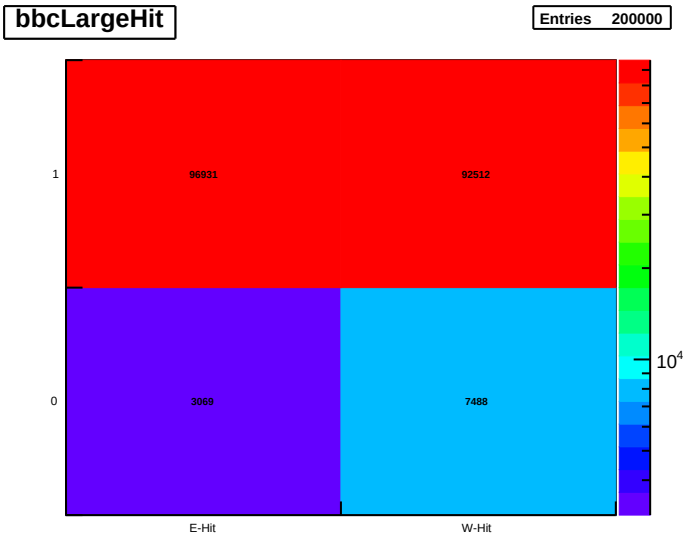

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

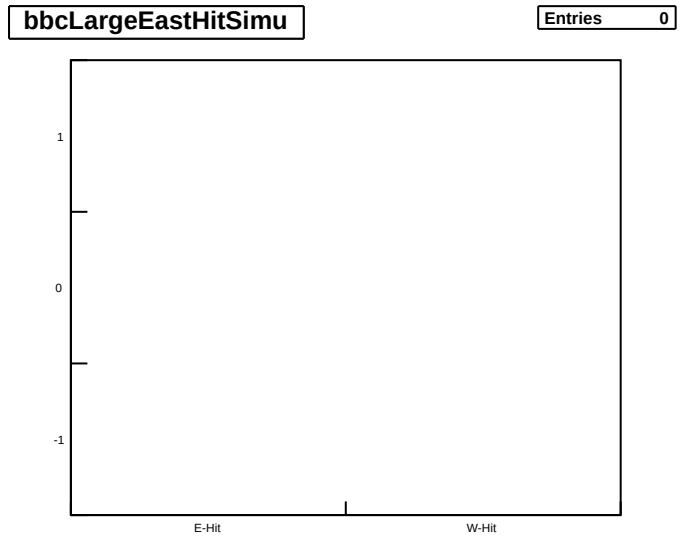

bbcSmallWestAdcSum
Entries 100000

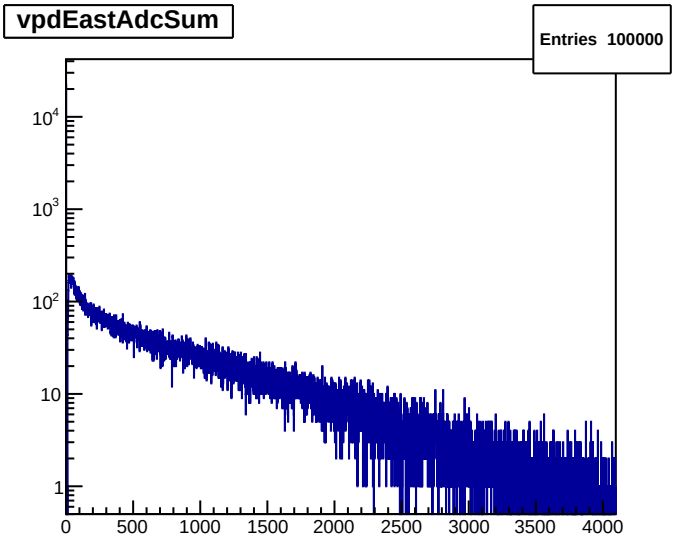

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

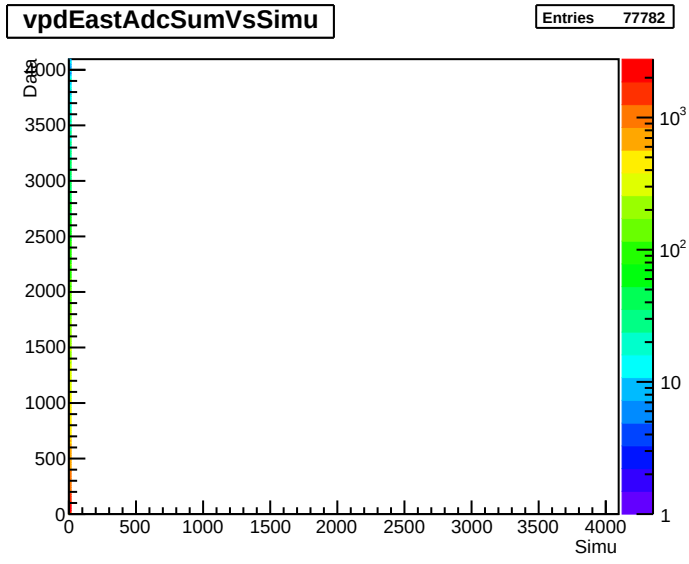

bbcSmallWestTacMax
Entries 100000

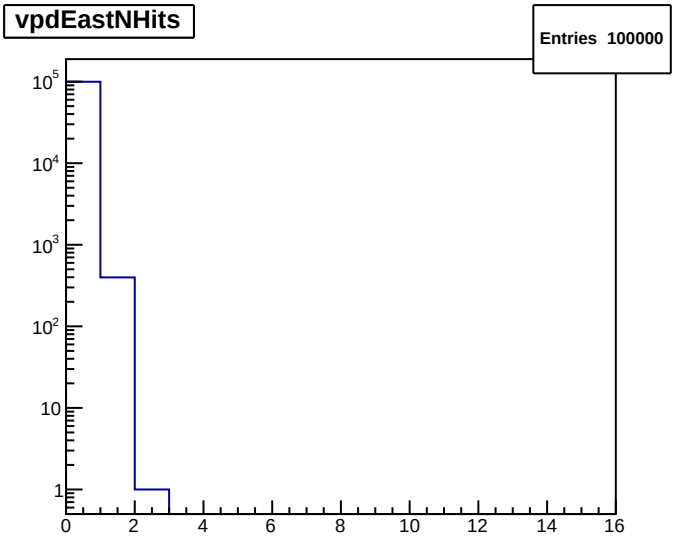

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

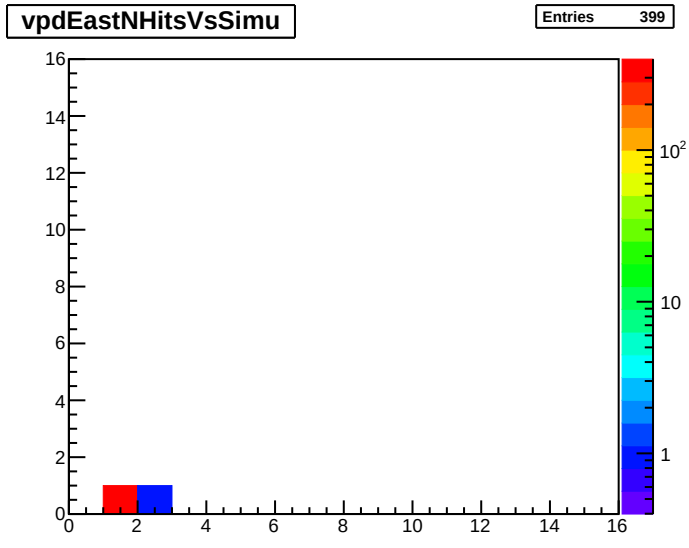

bbcLargeHit
Entries 200000
1
0
96931
92512
3069
7488
E-Hit
W-Hit
10^4

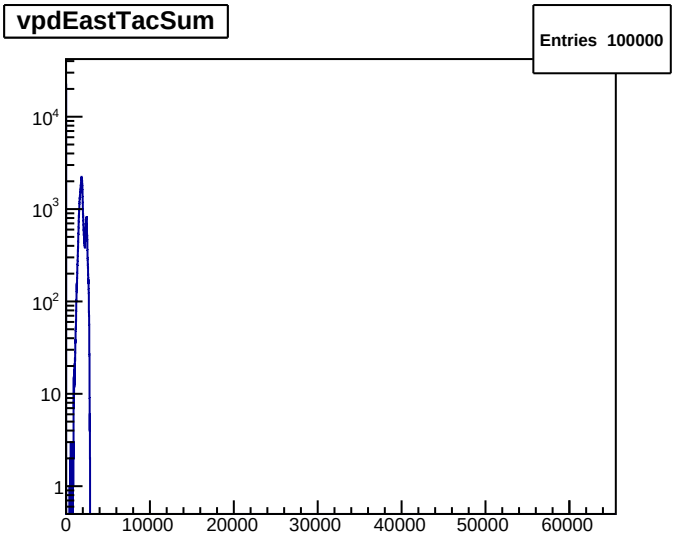

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

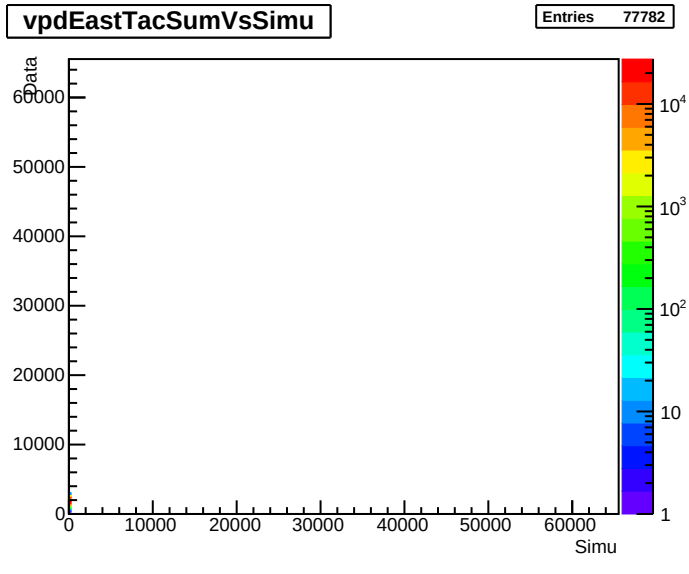

vpdEastAdcSum
Entries 100000

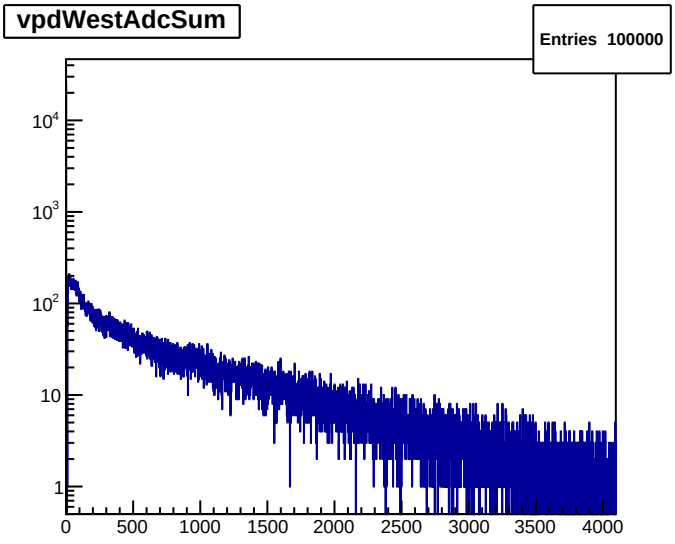

vpdEastAdcSumVsSimu
Entries 77782
Data
Simu

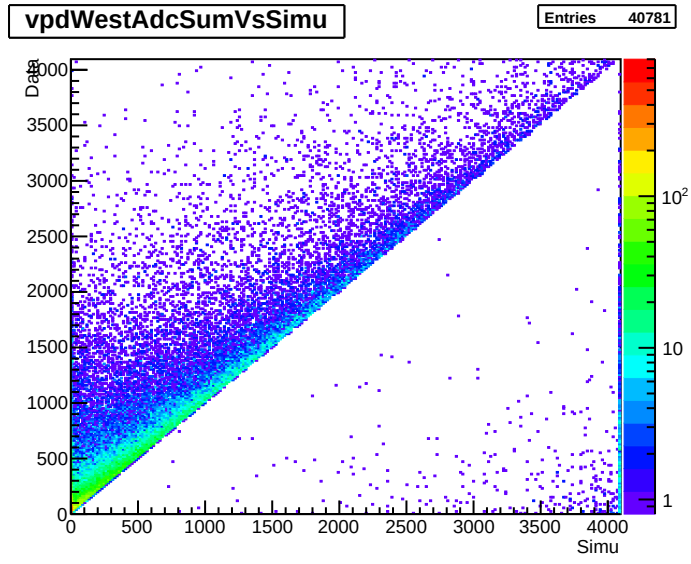

vpdEastNHits
Entries 100000

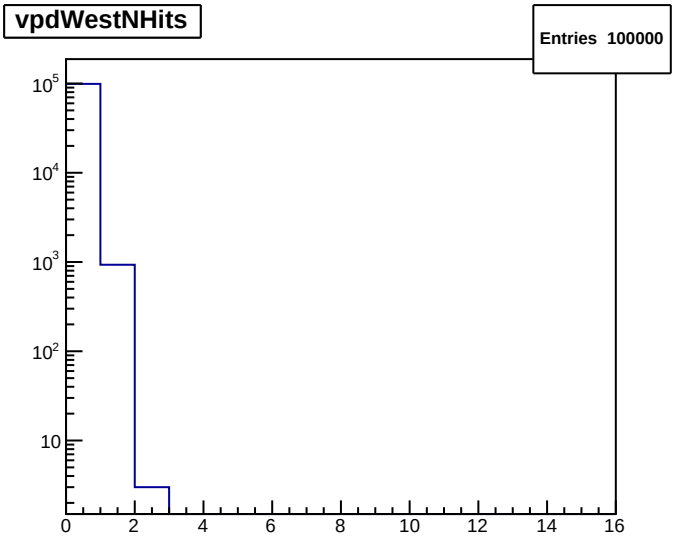

vpdEastNHitsVsSimu
Entries 399

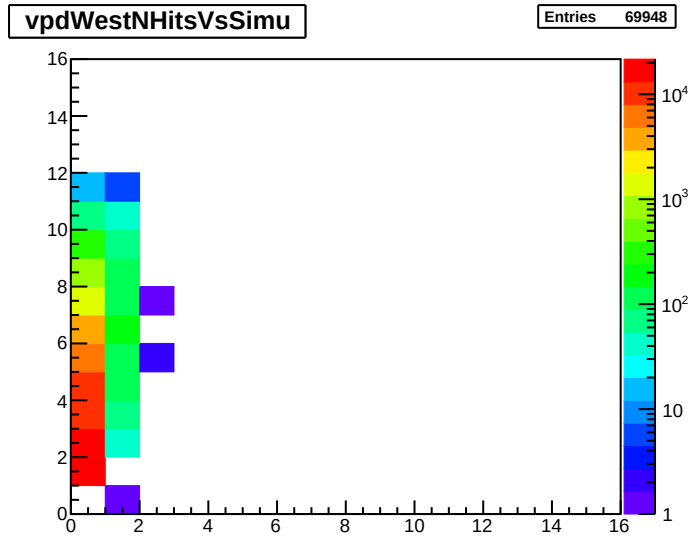

vpdEastTacSum
Entries 100000

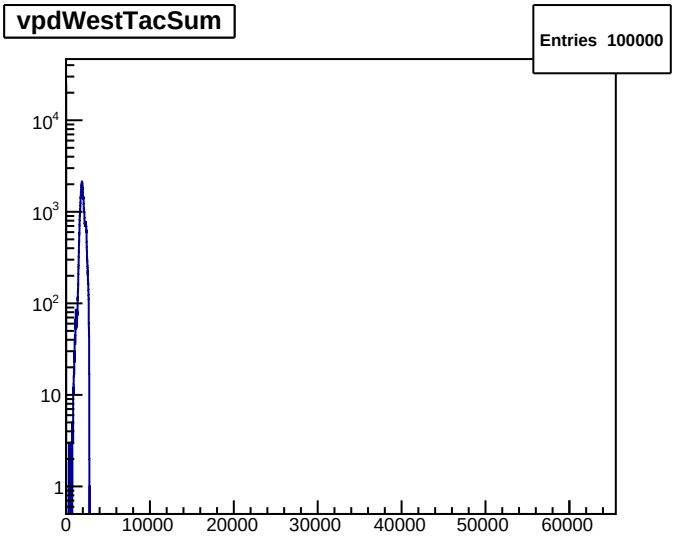

vpdEastTacSumVsSimu
Entries 77782
Data
Simu

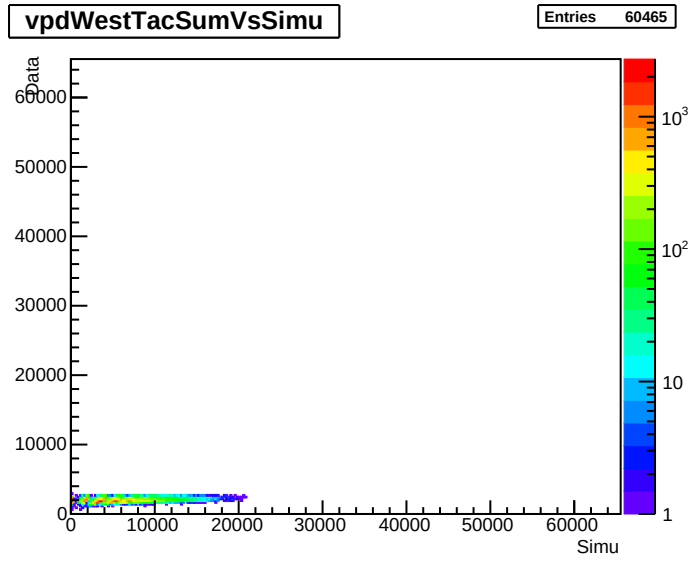

vpdWestAdcSum
Entries 100000

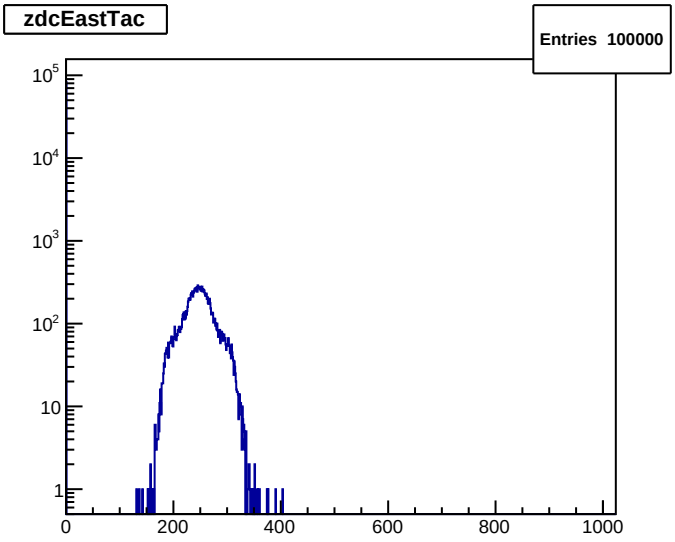

vpdWestAdcSumVsSimu
Entries 40781
Data
Simu

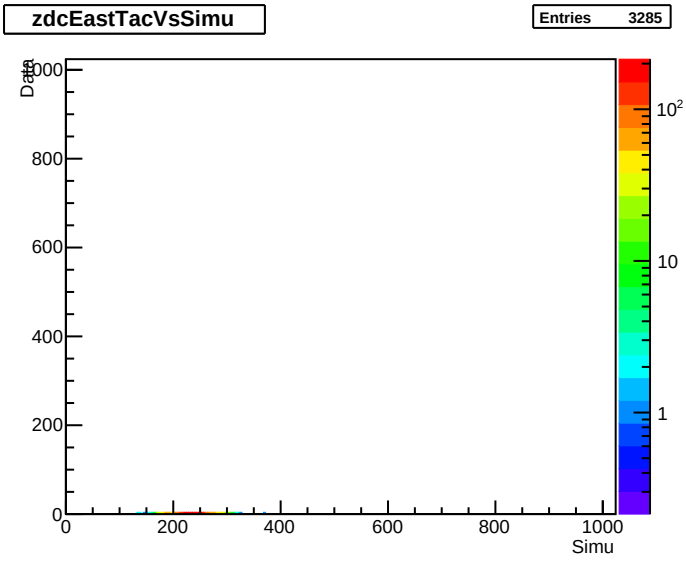

vpdWestNHits
Entries 100000

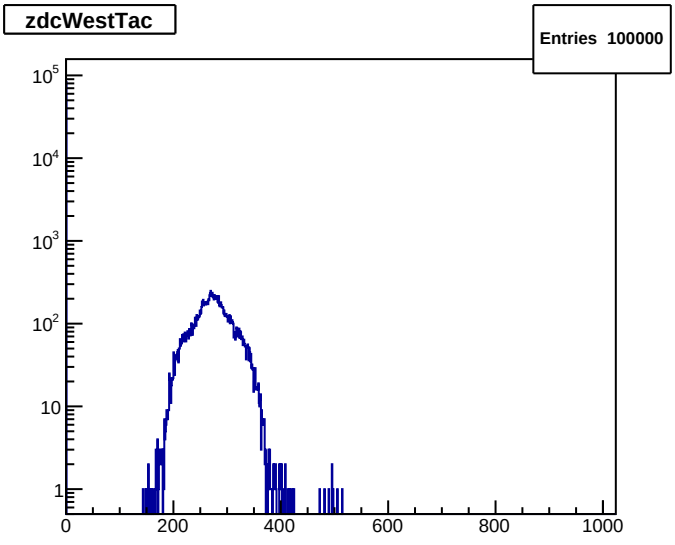

vpdWestNHitsVsSimu
Entries 69948

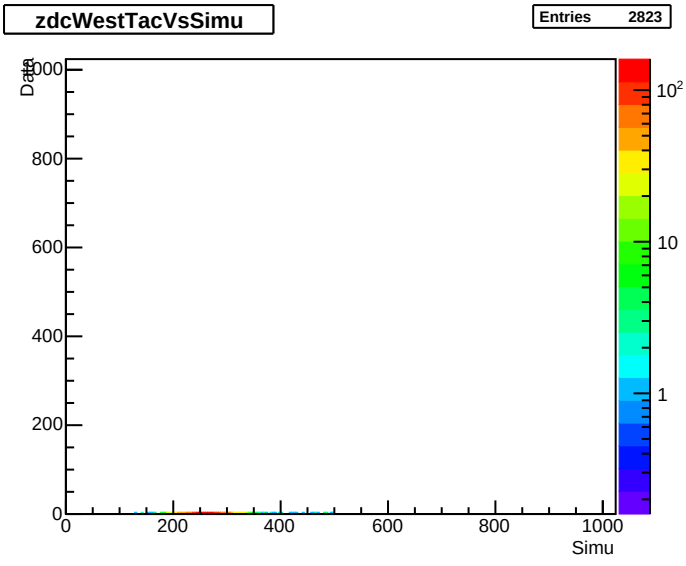

vpdWestTacSum
Entries 100000

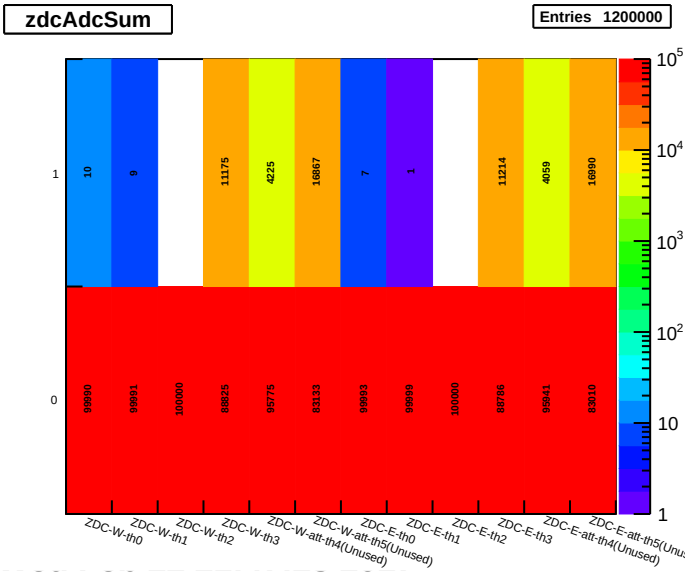

vpdWestTacSumVsSimu
Entries 60465
Data
Simu

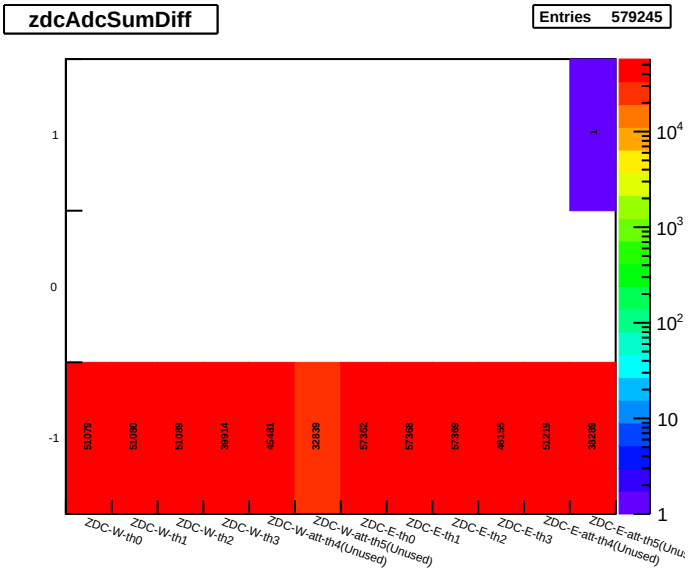

zdcEastTac
Entries 100000

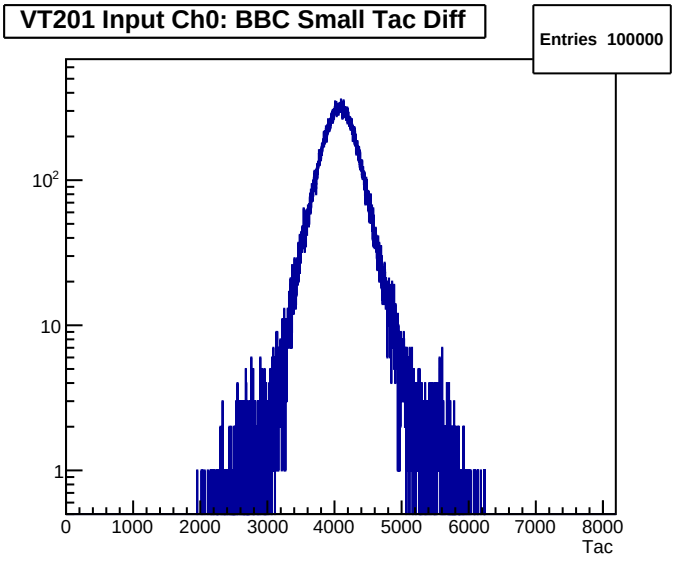

zdcEastTacVsSimu
Entries 3285
Data
Simu

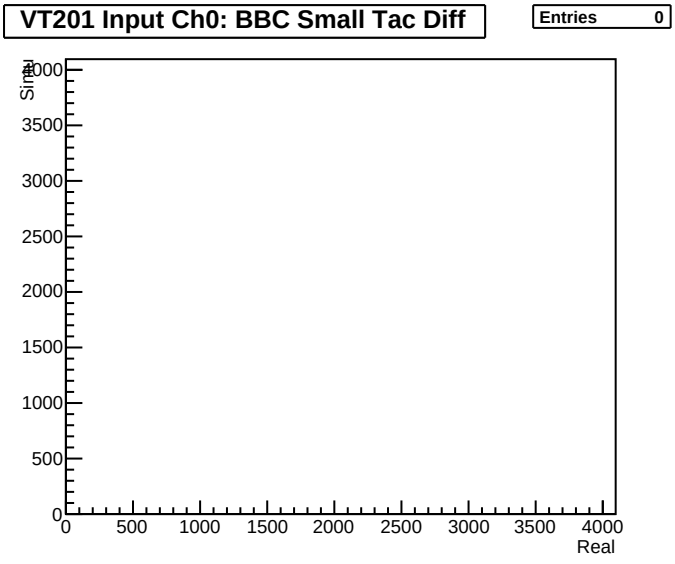

zdcWestTac
Entries 100000

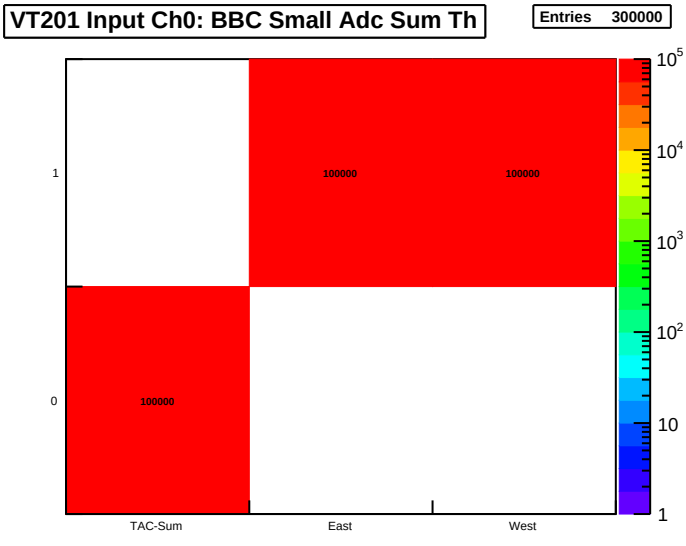

zdcWestTacVsSimu
Entries 2823
Data
Simu

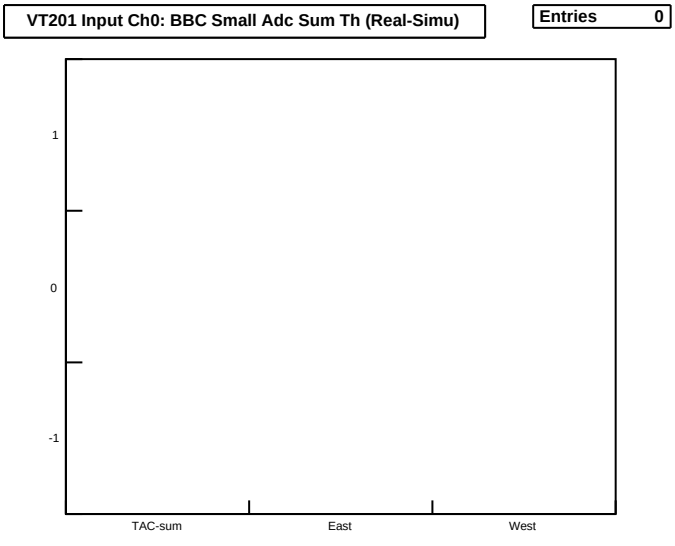

zdcAdcSum
Entries 1200000
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

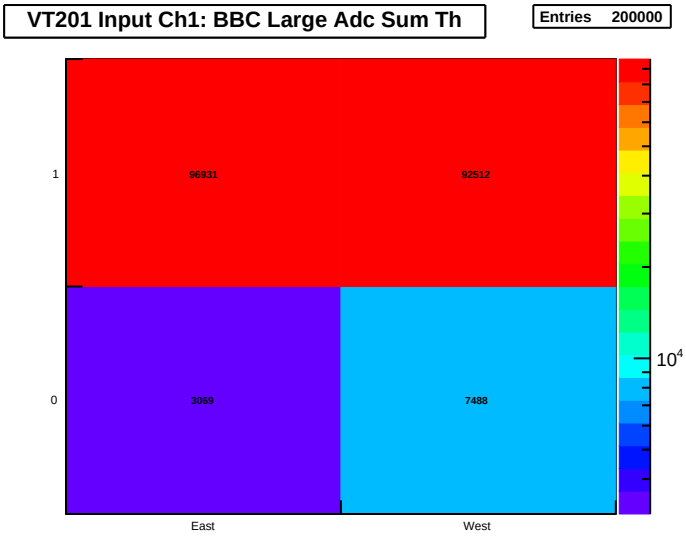

zdcAdcSumDiff
Entries 579245
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

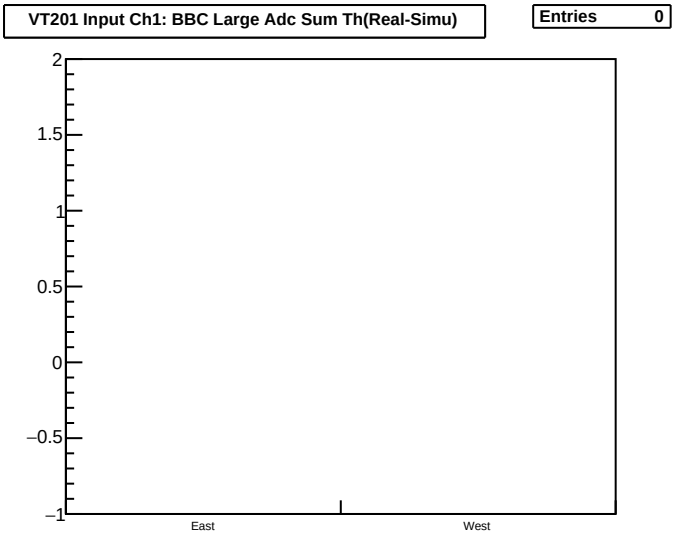

VT201 Input Ch0: BBC Small Tac Diff
Entries 100000
Tac


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

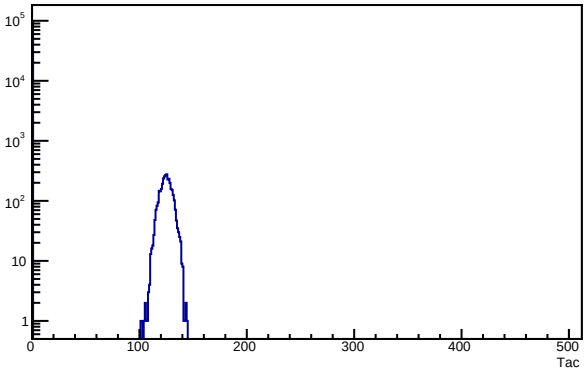

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 300000
100000
100000
100000
TAC-Sum
East
West


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

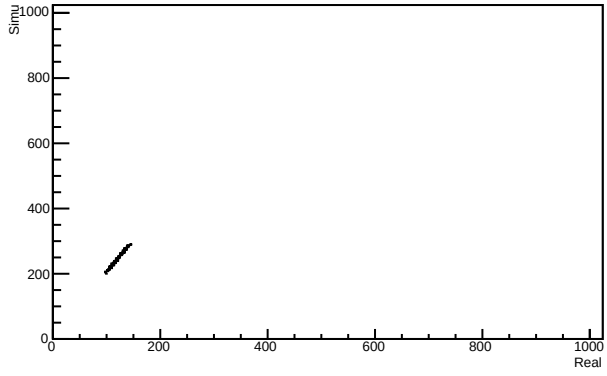

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 200000
96931
92512
3069
7488
East
West


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

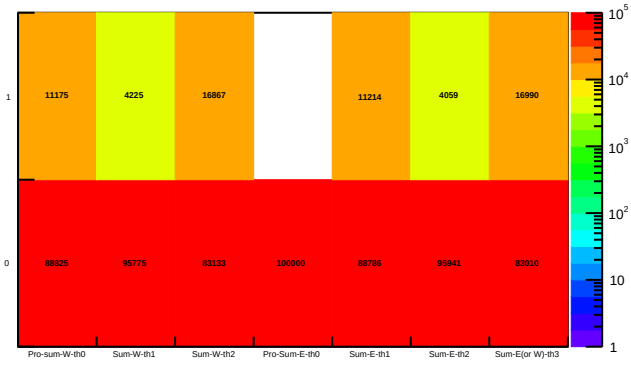
VT201 Input Ch2: ZDC Tac Diff



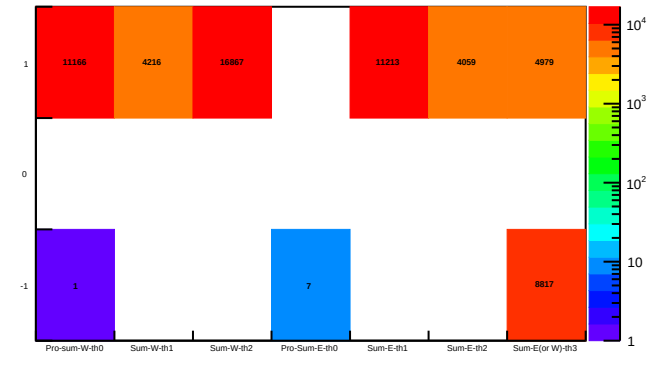
VT201 Input Ch2: ZDC Tac Diff



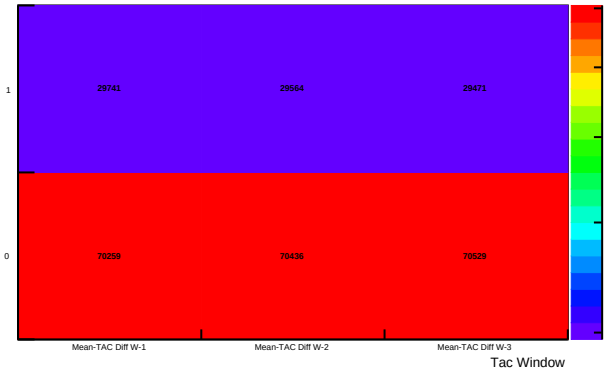
VT201 Input Ch2: ZDC Adc Sum Th



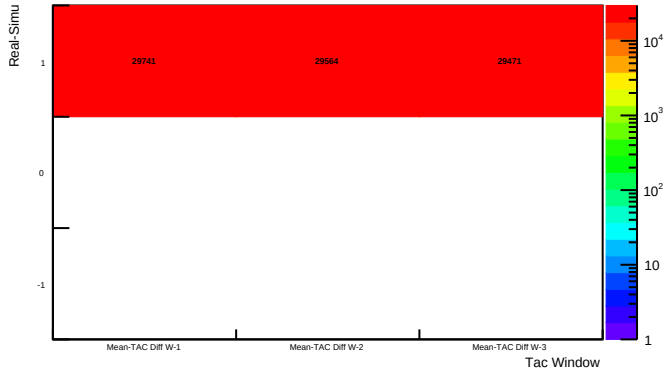
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



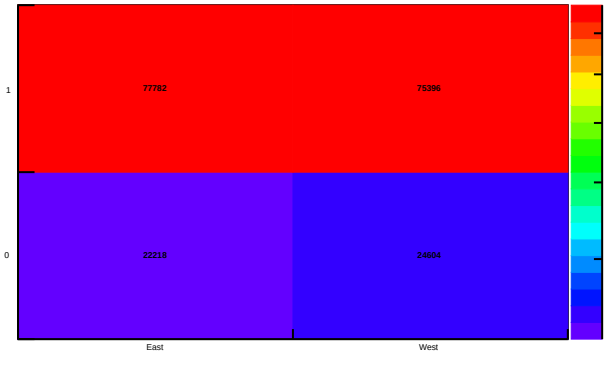
VT201 Input Ch4: VPD Tac Diff



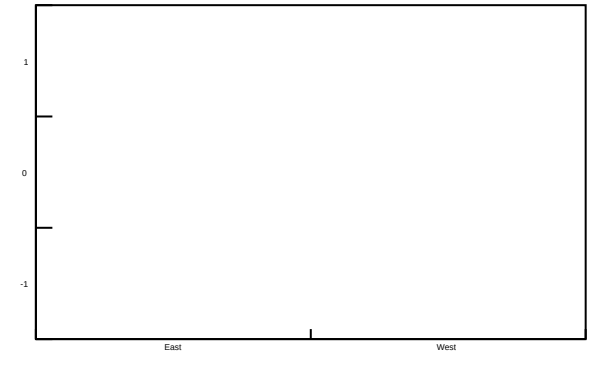
VT201 Input Ch4: VPD Tac Diff

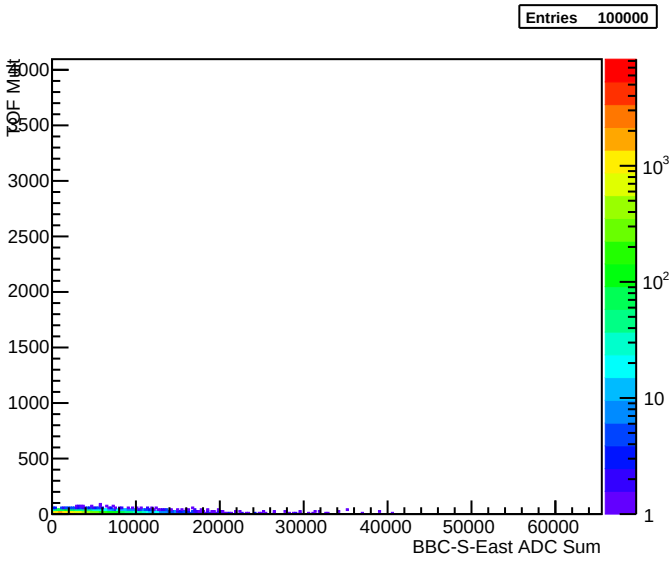


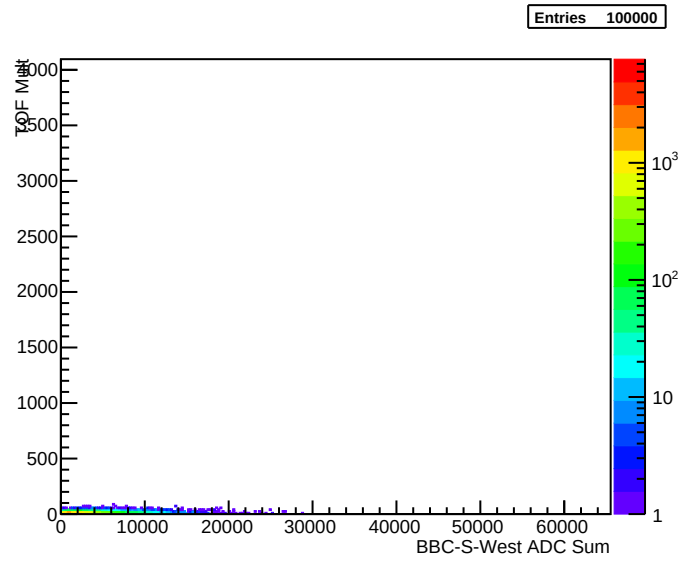
VT201 Input Ch4: VPD Adc Sum Th

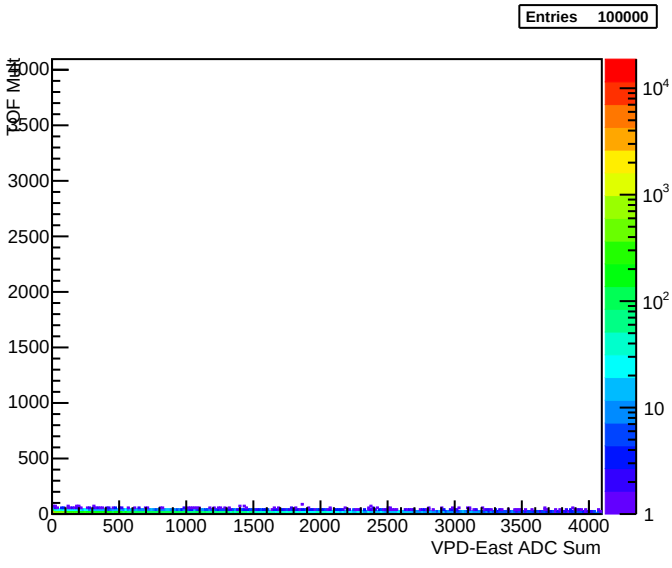


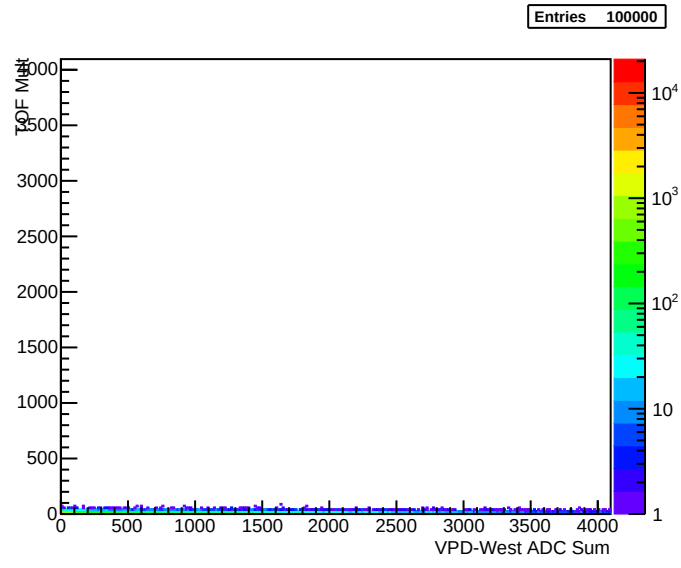
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

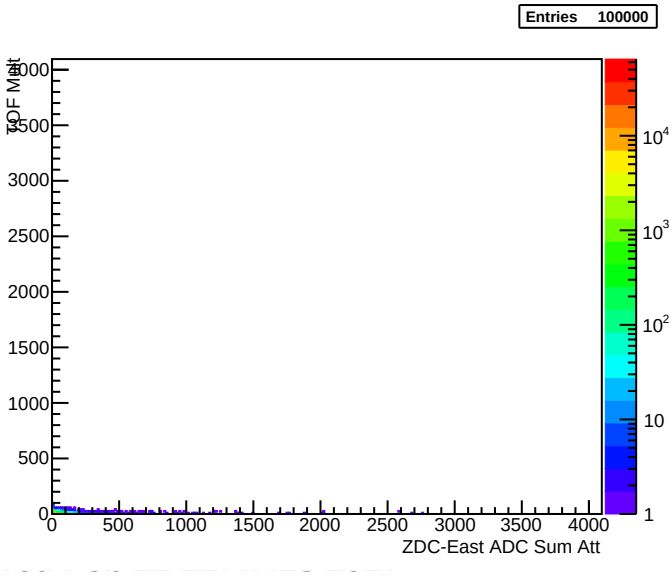


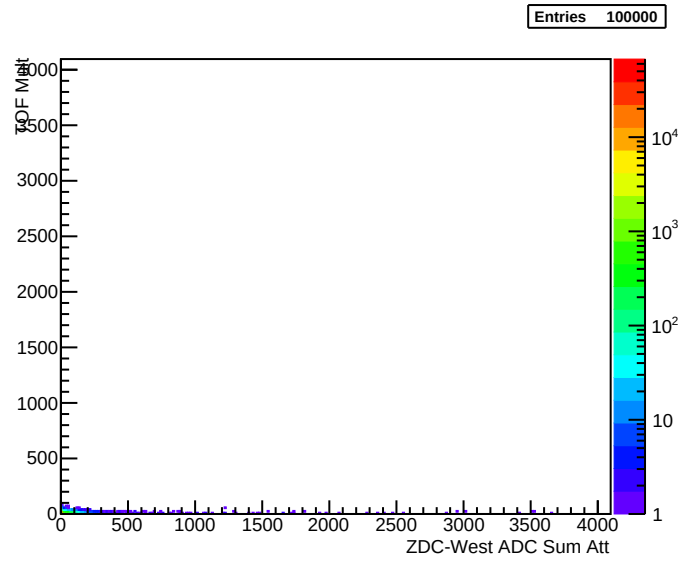

Entries 100000
TOF Mult
BBC-S-East ADC Sum

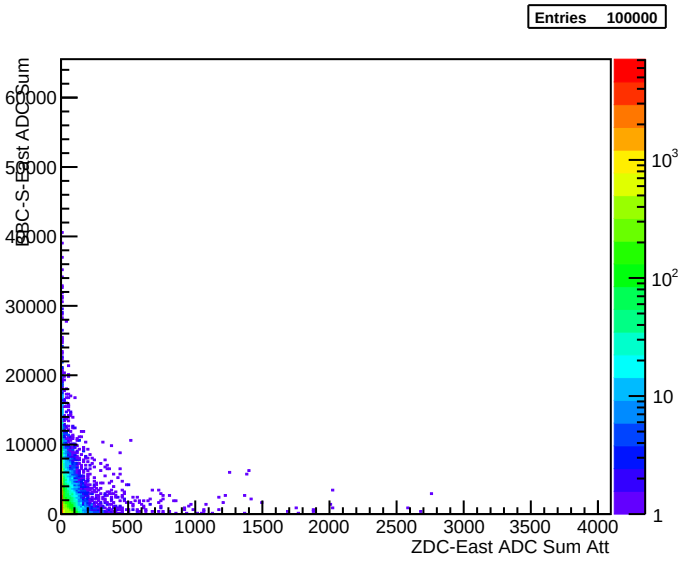

Entries 100000
TOF Mult
BBC-S-West ADC Sum

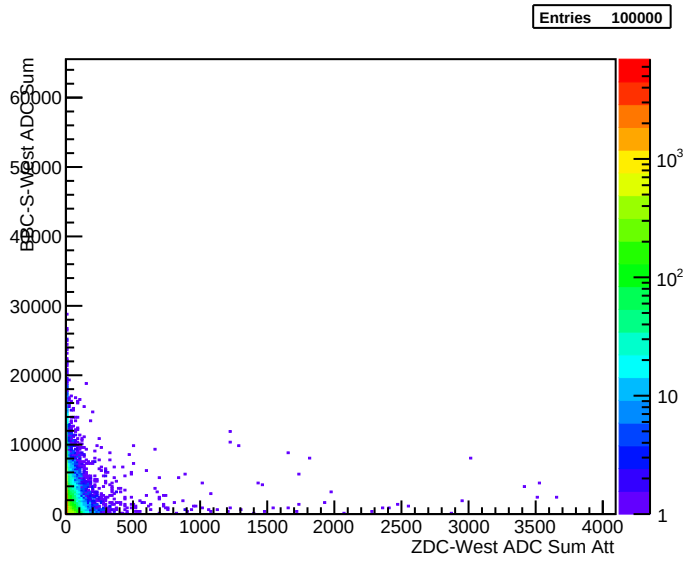

Entries 100000
TOF Mult
VPD-East ADC Sum

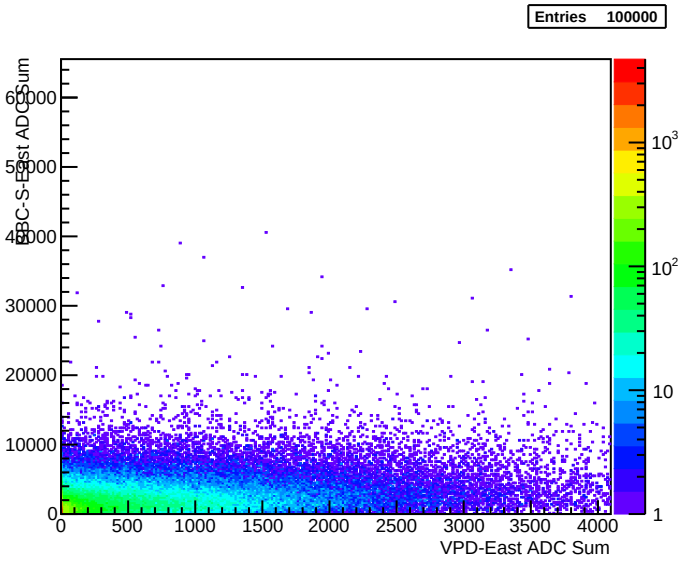

Entries 100000
TOF Mult
VPD-West ADC Sum

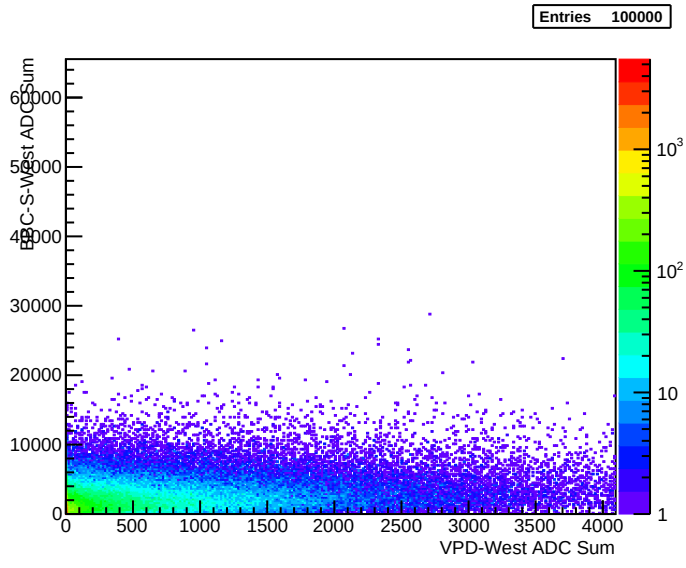

Entries 100000
TOF Mult
ZDC-East ADC Sum Att

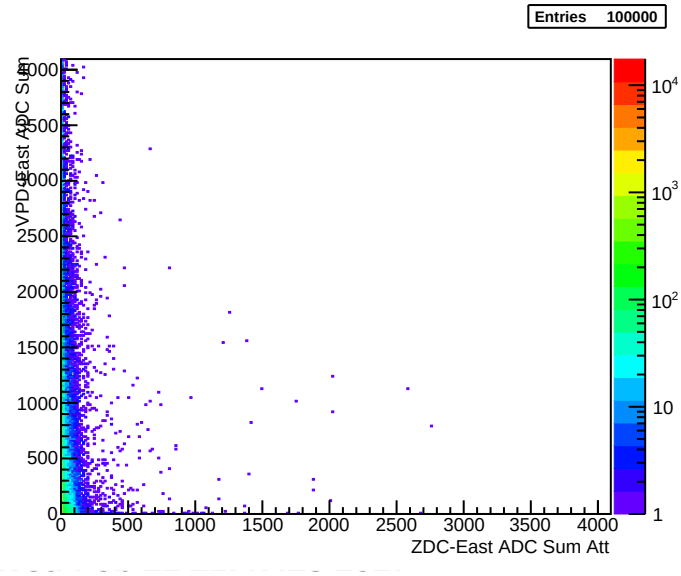

Entries 100000
TOF Mult
ZDC-West ADC Sum Att

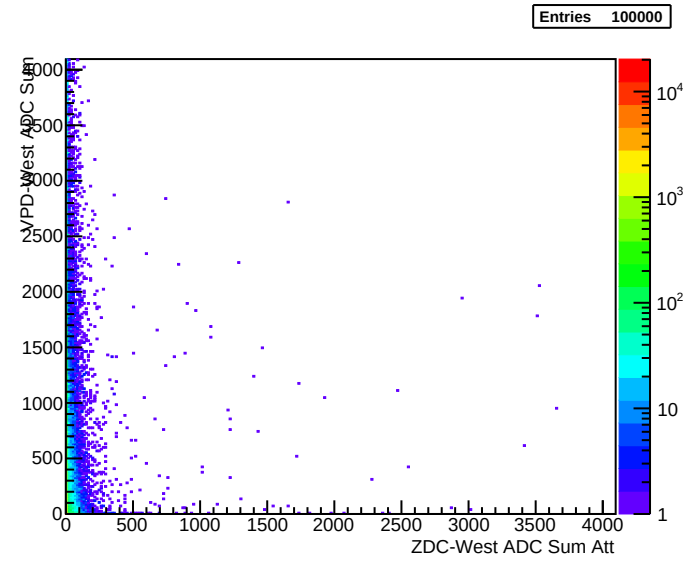

Entries 100000
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

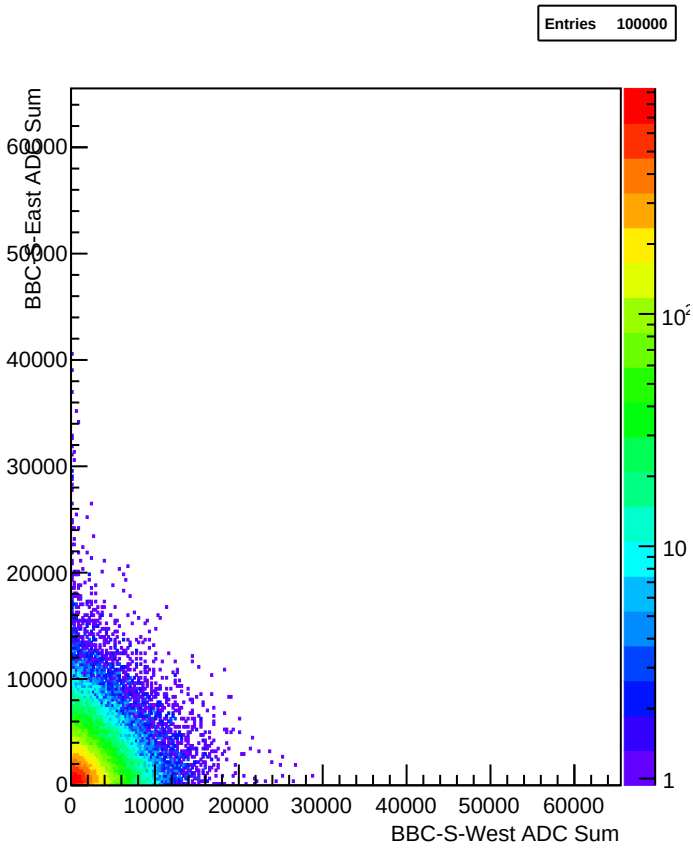

Entries 100000
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

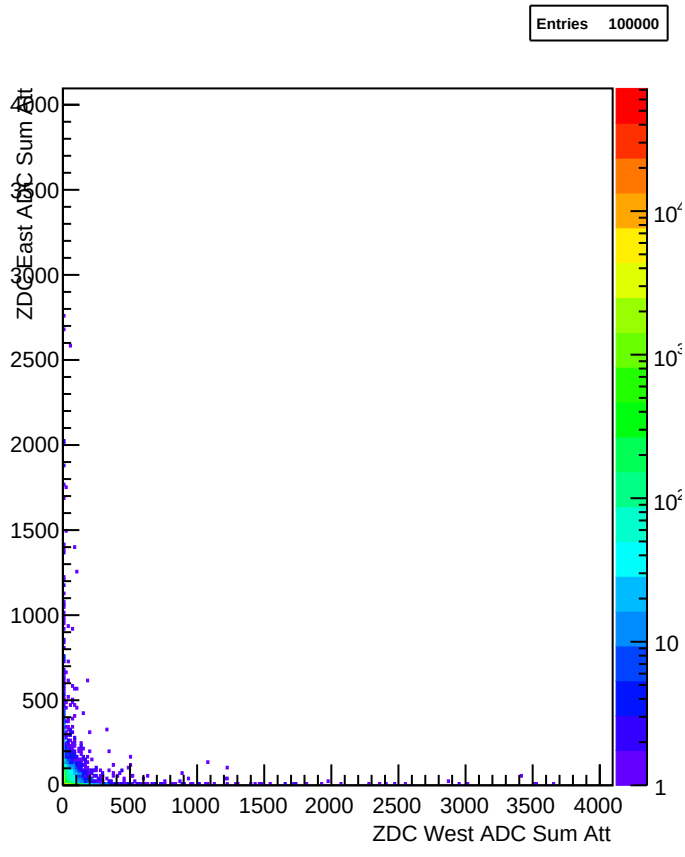

Entries 100000
BBC-S-East ADC Sum
VPD-East ADC Sum

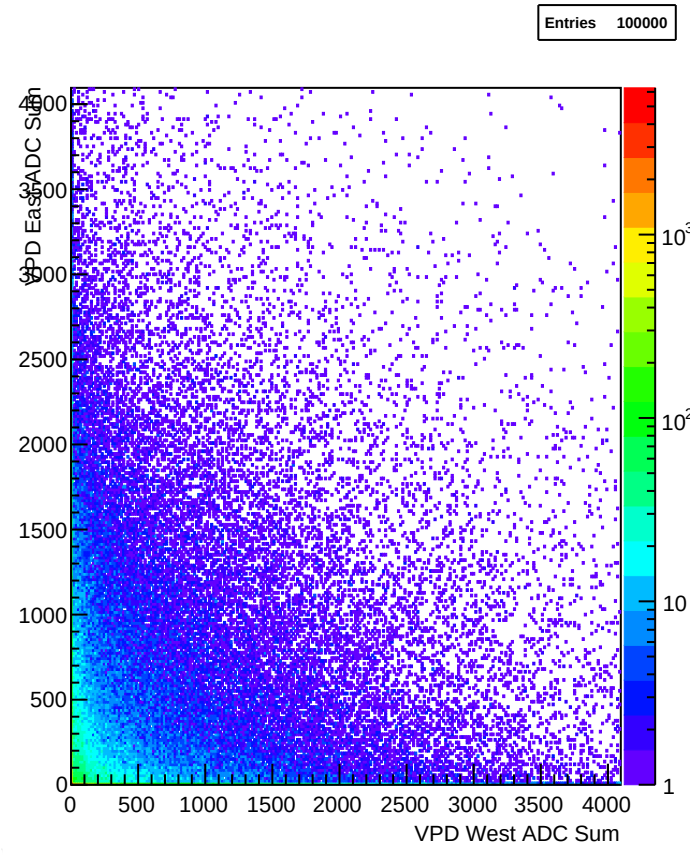

Entries 100000
BBC-S-West ADC Sum
VPD-West ADC Sum

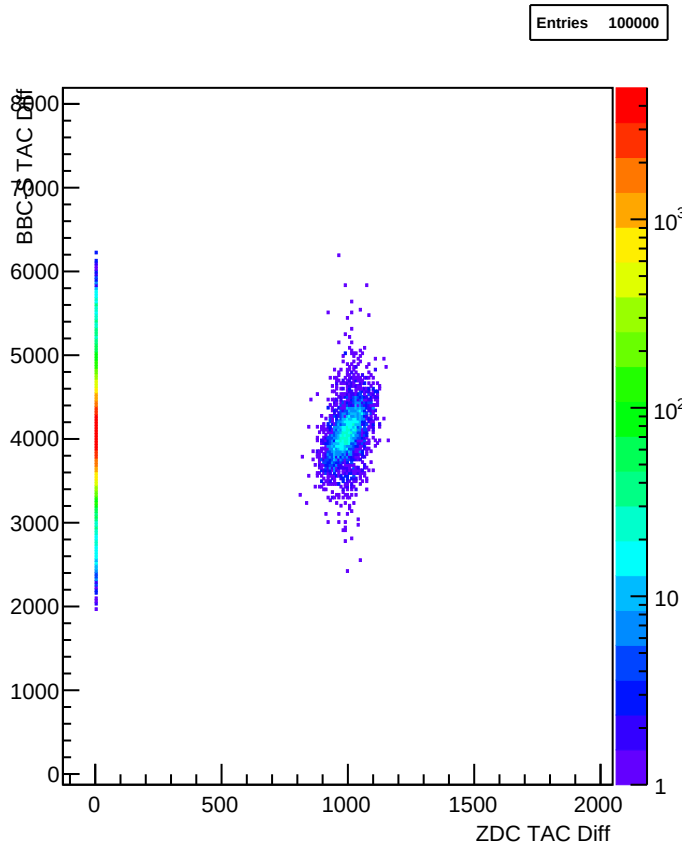

Entries 100000
VPD-East ADC Sum
ZDC-East ADC Sum Att

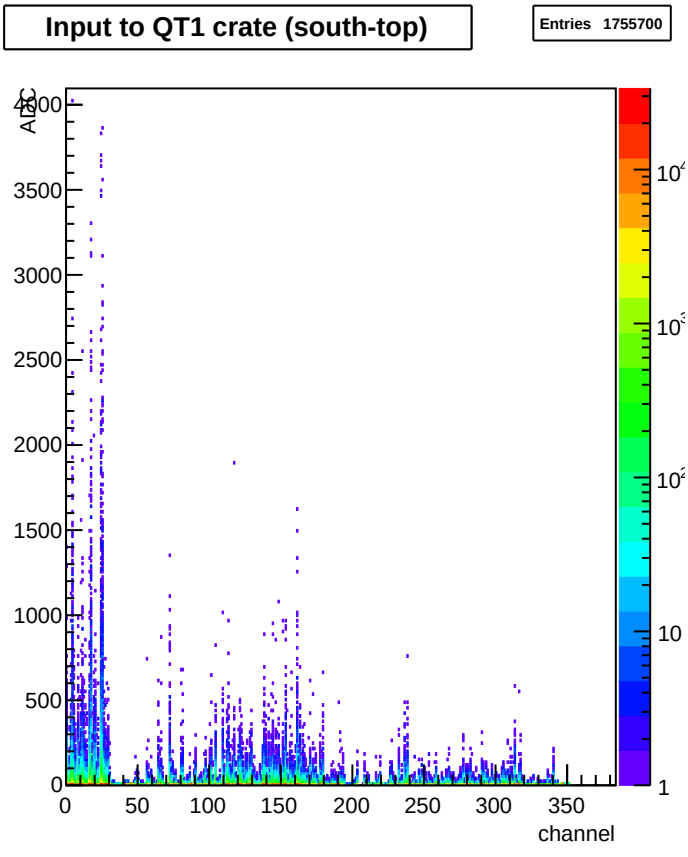

Entries 100000
VPD-West ADC Sum
ZDC-West ADC Sum Att

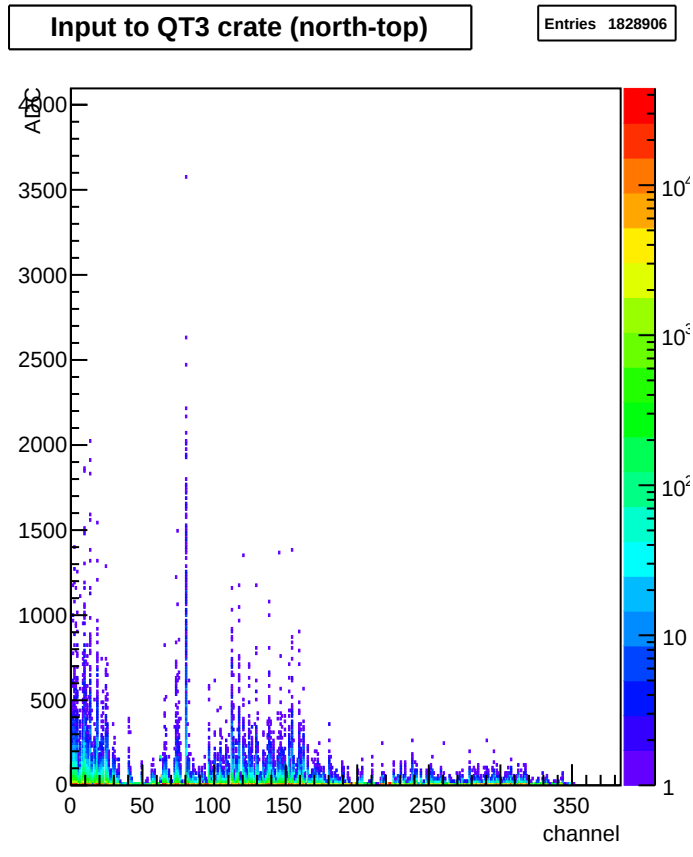

Entries 100000
BBC-S-East ADC Sum
BBC-S-West ADC Sum

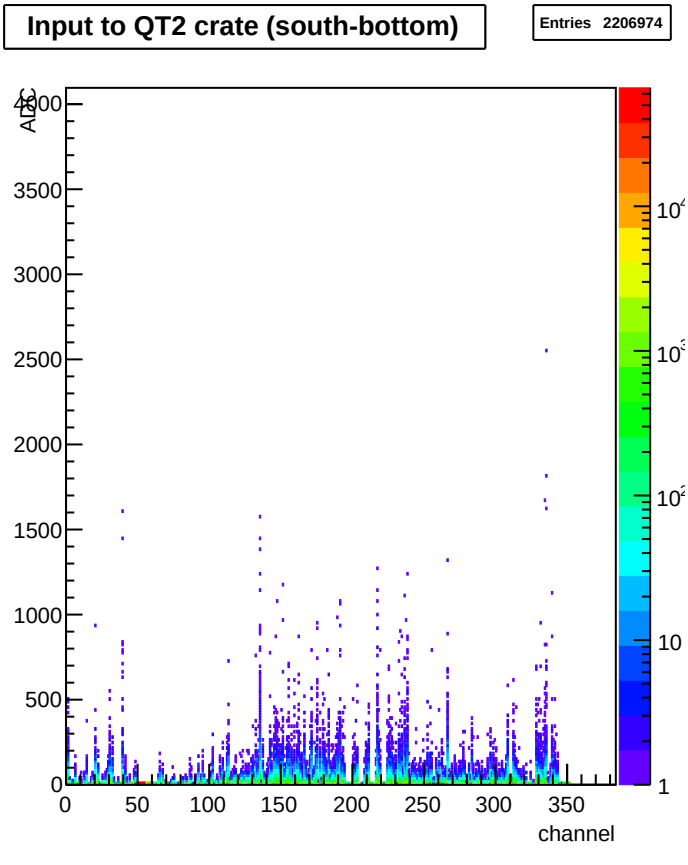

Entries 100000
ZDC East ADC Sum Att
ZDC West ADC Sum Att

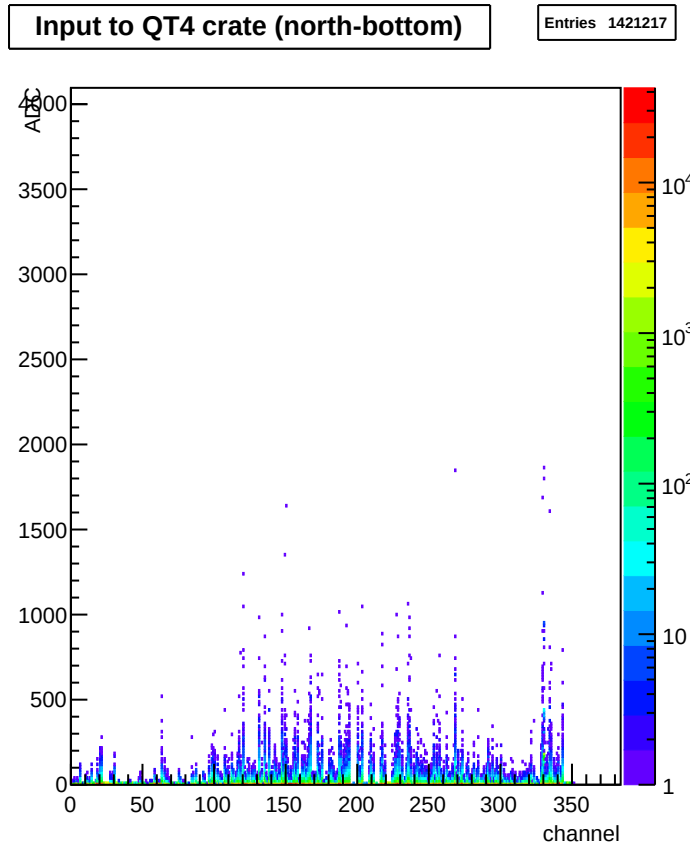

Entries 100000
VPD East ADC Sum
VPD West ADC Sum

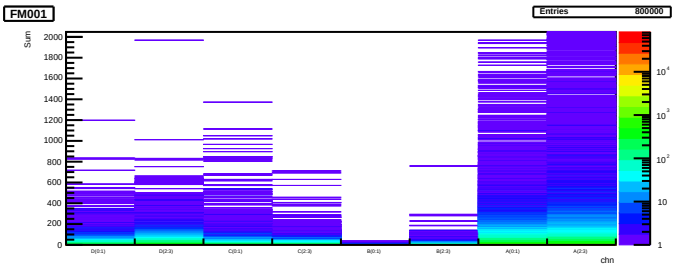

Entries 100000
BBC-S TAC Diff
ZDC TAC Diff

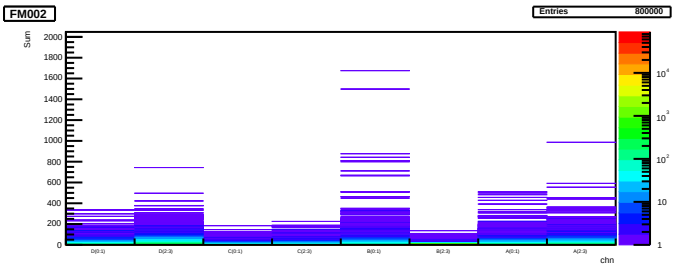

Input to QT1 crate (south-top)
Entries 1755700
ADC
channel

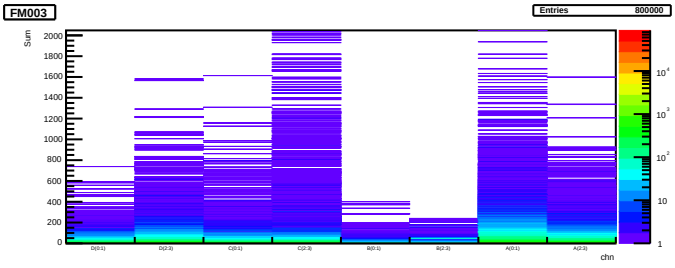

Input to QT3 crate (north-top)
Entries 1828906
ADC
channel

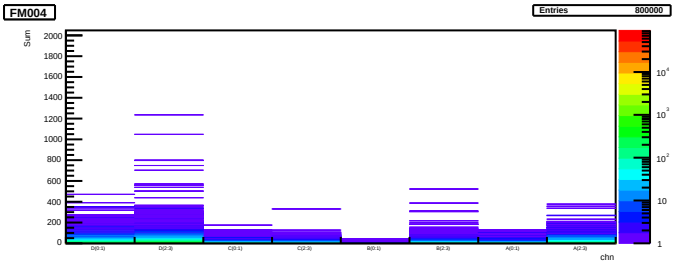

Input to QT2 crate (south-bottom)
Entries 2206974
ADC
channel

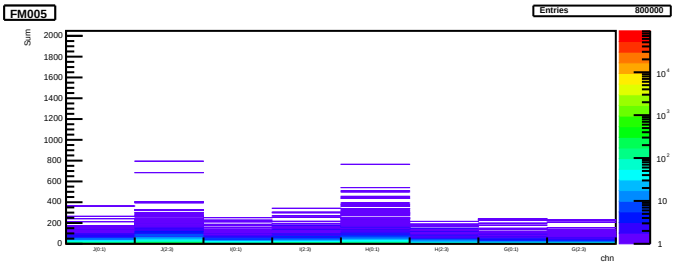

Input to QT4 crate (north-bottom)
Entries 1421217
ADC
channel

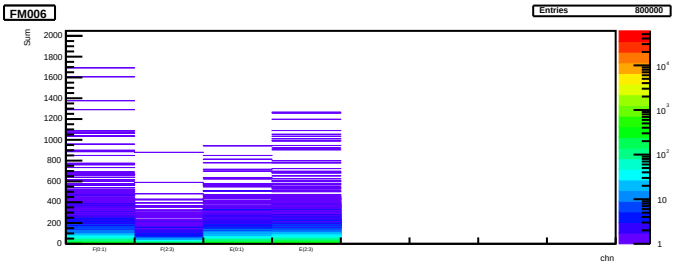

FM001
Entries 800000
Sum
chn

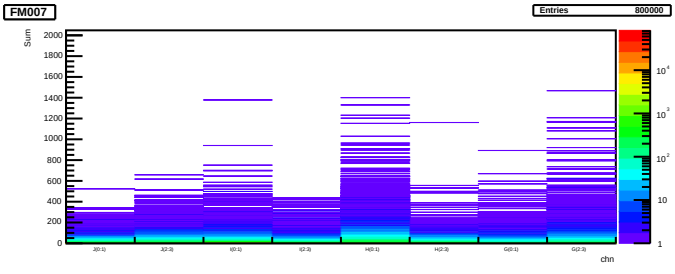

FM002
Entries 800000
Sum
chn

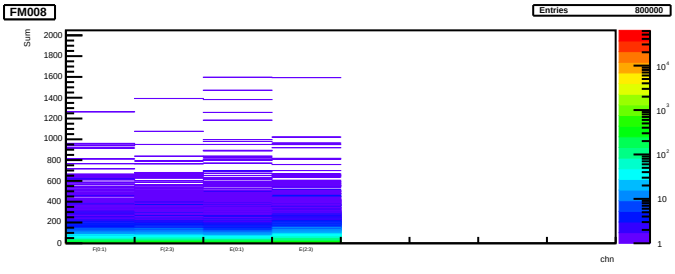

FM003
Entries 800000
Sum
chn

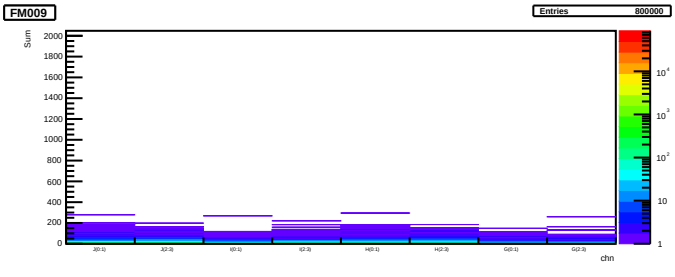

FM004
Entries 800000
Sum
chn

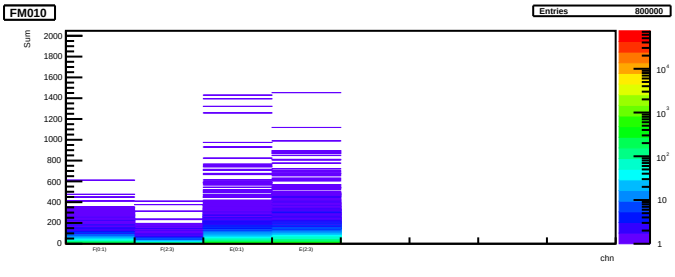

FM005
Entries 800000
Sum
chn

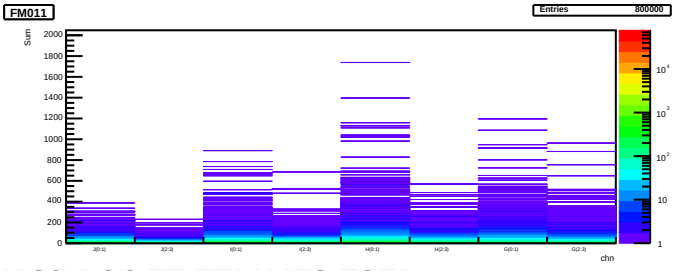

FM006
Entries 800000
Sum
chn

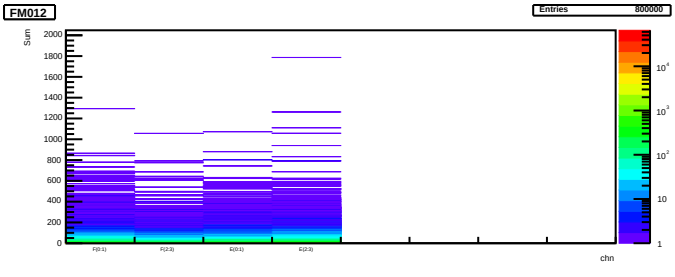

FM007
Entries 800000
Sum
chn


FM008
Entries 800000
Sum
chn


FM009
Entries 800000
Sum
chn


FM010
Entries 800000
Sum
chn


FM011
Entries 800000
Sum
chn


FM012
Entries 800000
Sum
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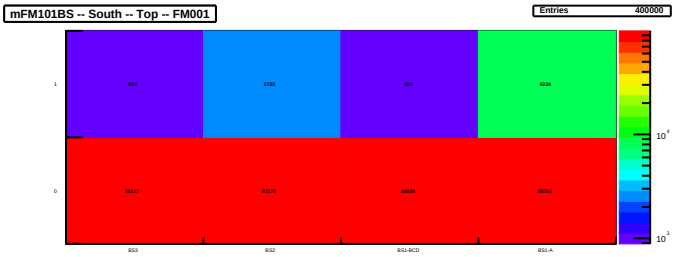
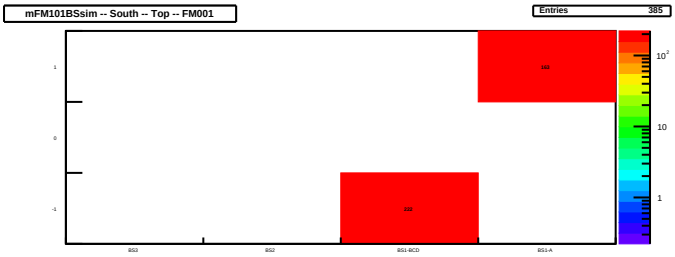
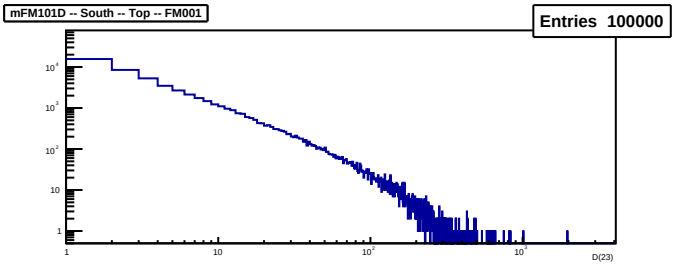
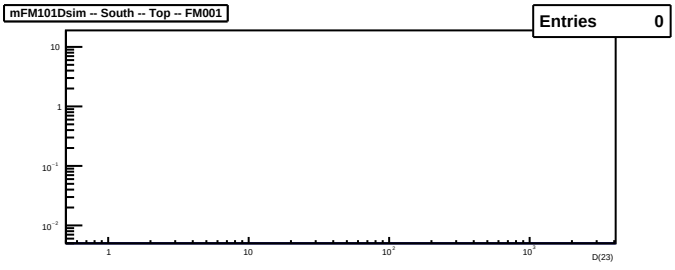

mFM101BS -- South -- Top -- FM001
Entries 400000


mFM101BSsim -- South -- Top -- FM001
Entries 385


mFM101D -- South -- Top -- FM001
Entries 100000
D(23)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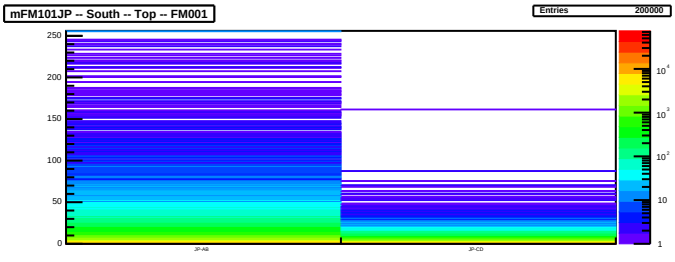
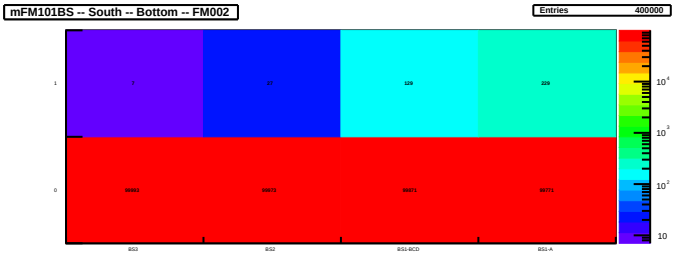
Entries 0
D(23)


mFM101JP -- South -- Top -- FM001
Entries 200000

mFM101JPsim -- South -- Top -- FM001
Entries 0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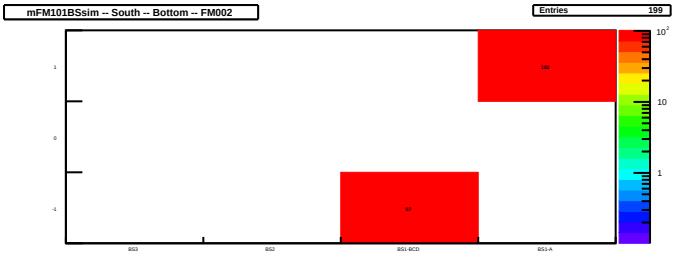
Entries 400000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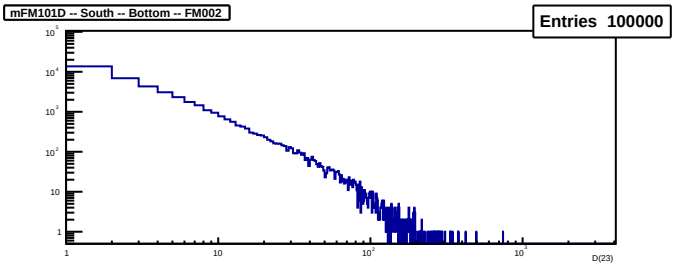
Entries 199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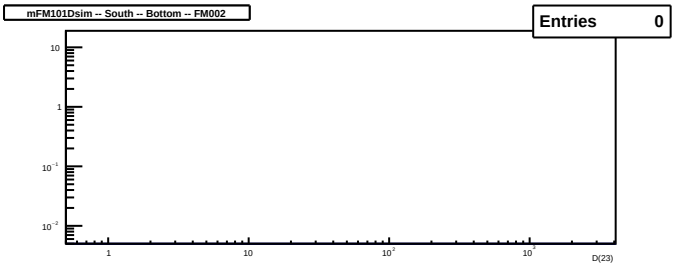
Entries 100000
D(23)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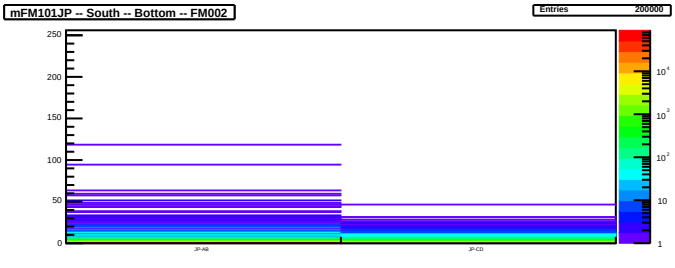
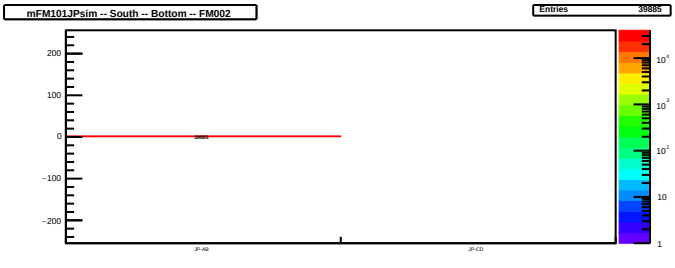
Entries 0
D(23)


mFM101JP -- South -- Bottom -- FM002
Entries 200000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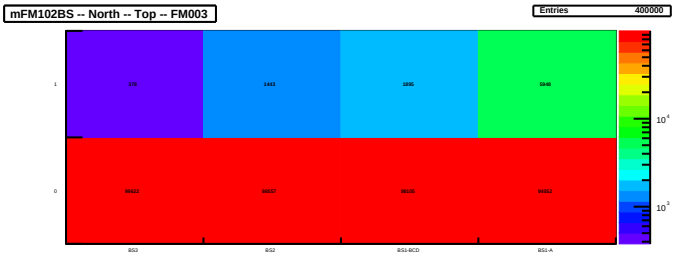
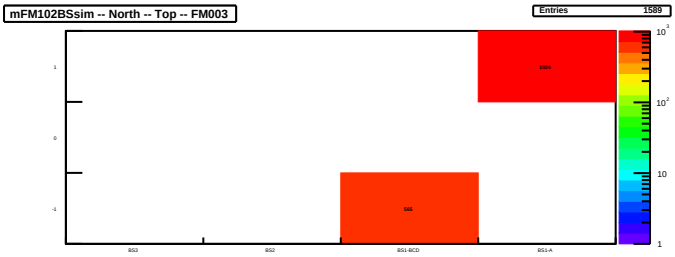
Entries 39885


mFM102BS -- North -- Top -- FM003
Entries 400000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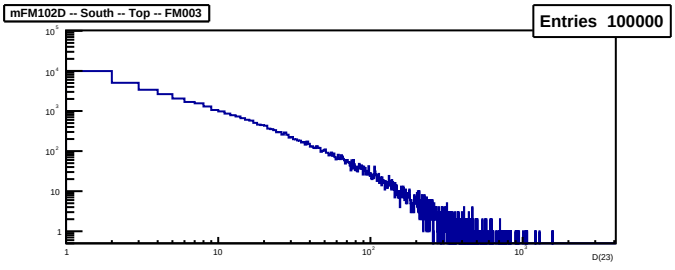
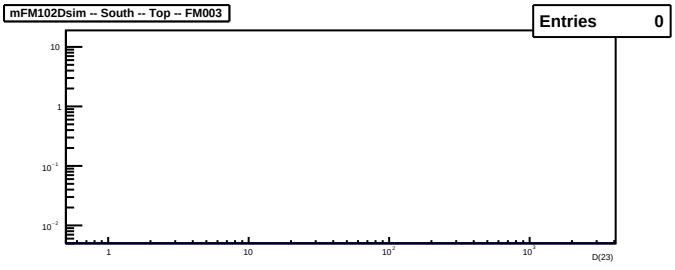
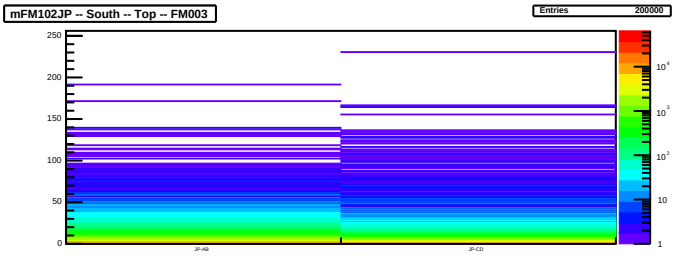
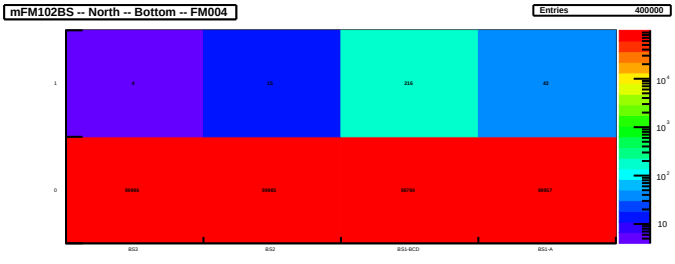
Entries 1589

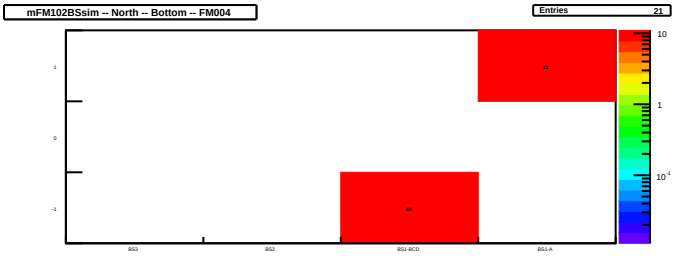

mFM102D -- South -- Top -- FM003
Entries 100000
D(23)

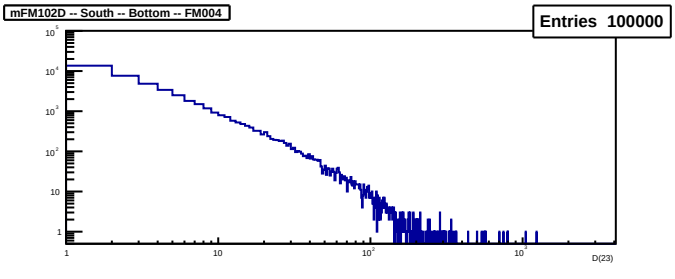

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

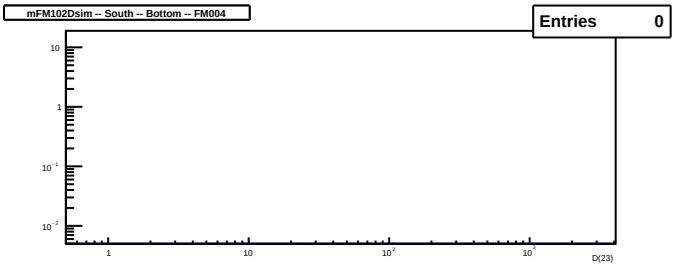

mFM102JP -- South -- Top -- FM003
Entries 200000

mFM102JPsim -- South -- Top -- FM003
Entries 0


mFM102BS -- North -- Bottom -- FM004
Entries 400000


mFM102BSsim -- North -- Bottom -- FM004
Entries 21


mFM102D -- South -- Bottom -- FM004
Entries 100000
D(23)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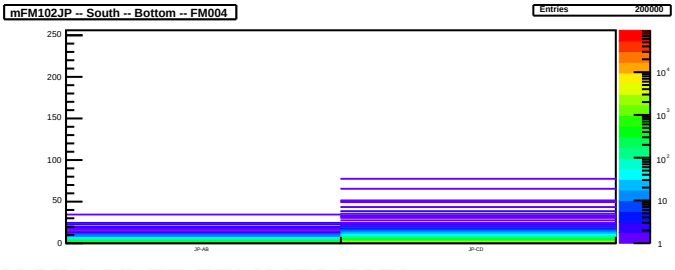
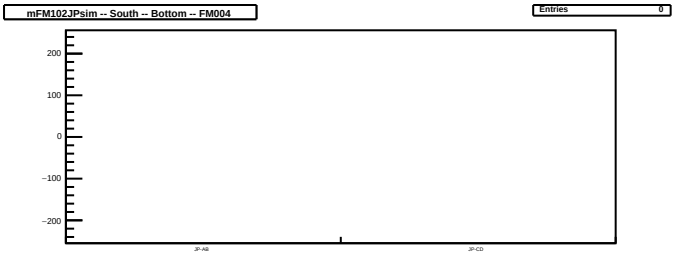
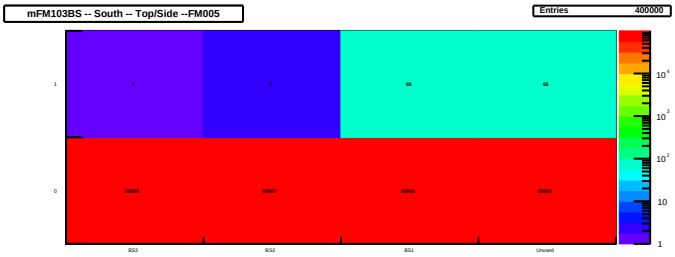
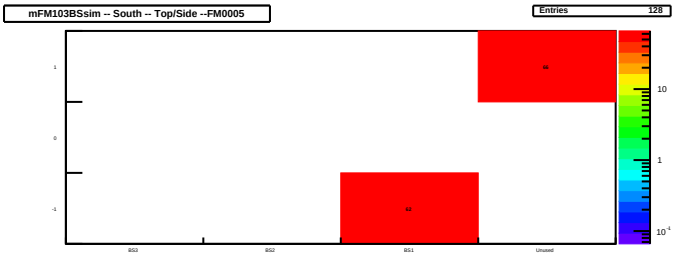
Entries 0
D(23)


mFM102JP -- South -- Bottom -- FM004
Entries 200000


mFM102JPsim -- South -- Bottom -- FM004
Entries 0


mFM103BS -- South -- Top/Side --FM005
Entries 400000
BS3
BS2
BS1
Unused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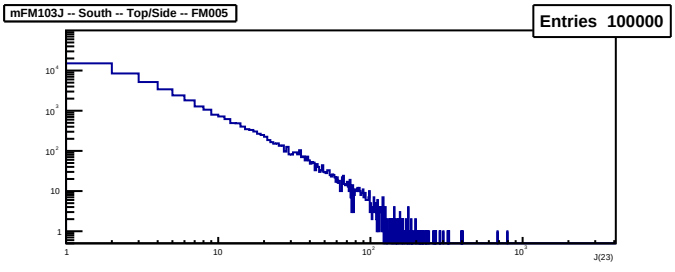
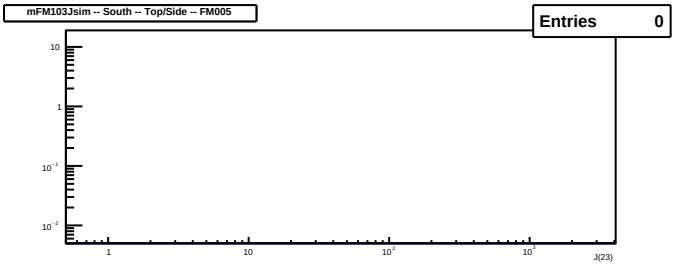
Entries 128
BS3
BS2
BS1
Unused


mFM103J -- South -- Top/Side -- FM005
Entries 100000
J(23)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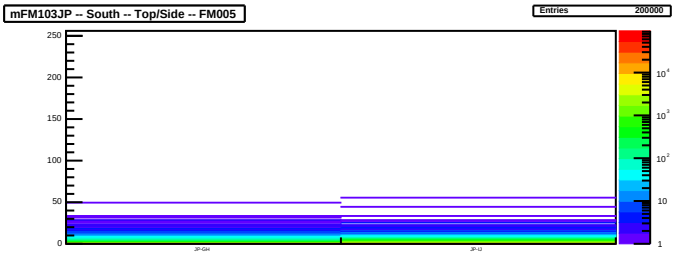
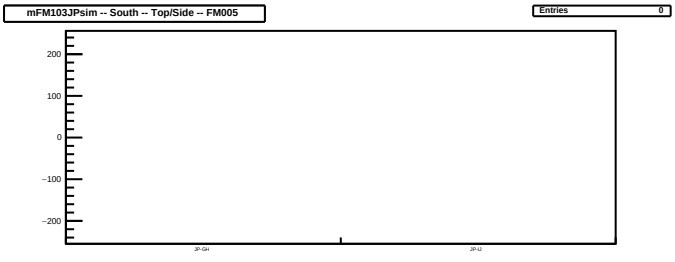
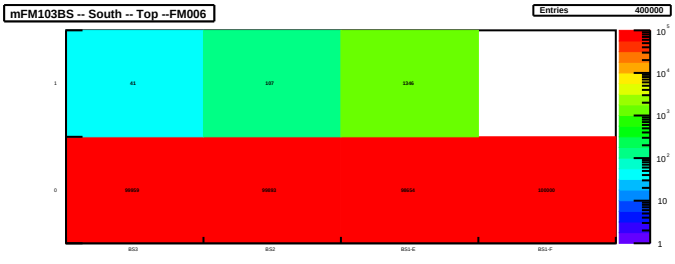
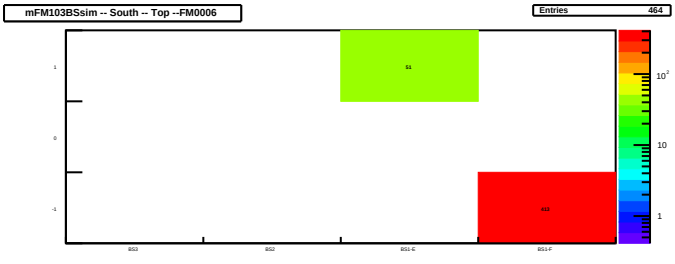
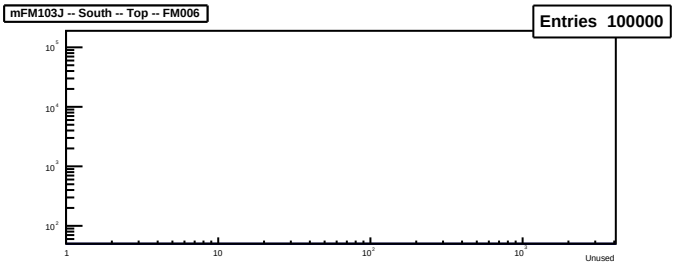
Entries 0
J(23)

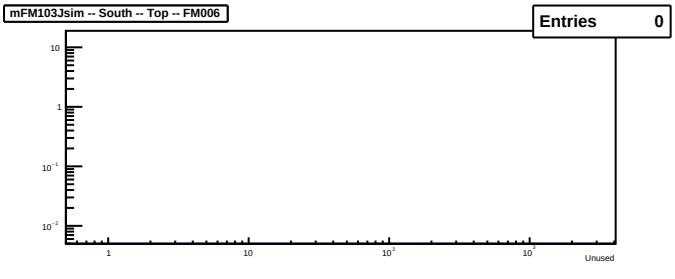

mFM103JP -- South -- Top/Side -- FM005
Entries 200000
JP-GH
JP-IJ

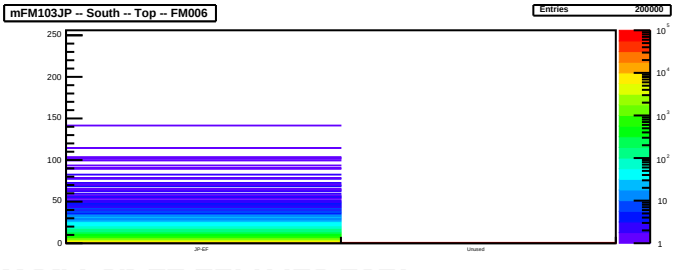

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-IJ

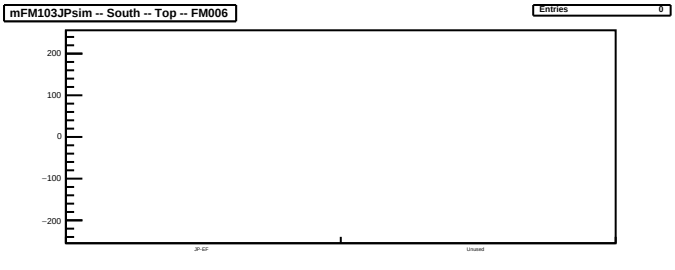

mFM103BS -- South -- Top --FM006
Entries 400000
BS3
BS2
BS1-E
BS1-F

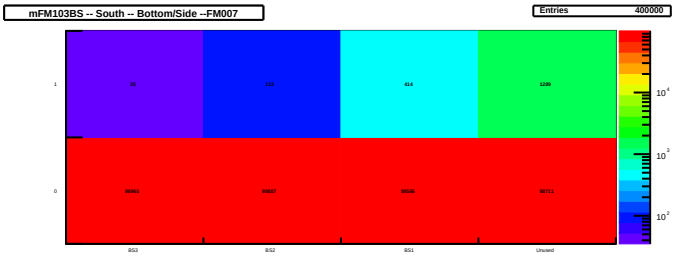

mFM103BSsim -- South -- Top --FM0006
Entries 464
BS3
BS2
BS1-E
BS1-F

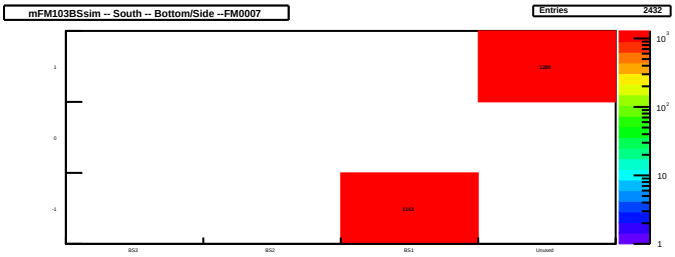

mFM103J -- South -- Top -- FM006
Entries 100000
Unused

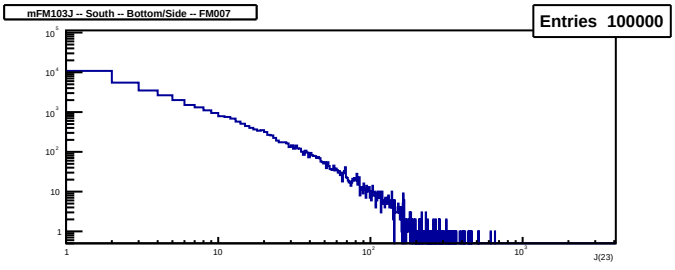

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

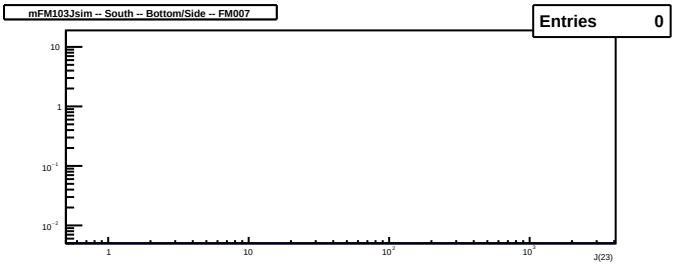

mFM103JP -- South -- Top -- FM006
Entries 200000
JP-EF
Unused


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


mFM103BS -- South -- Bottom/Side --FM007
Entries 400000
35
112
414
1200
99965
99887
99586
98711
BS3
BS2
BS1
Unused


mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 2432
1289
1143
BS3
BS2
BS1
Unused


mFM103J -- South -- Bottom/Side -- FM007
Entries 100000
J(23)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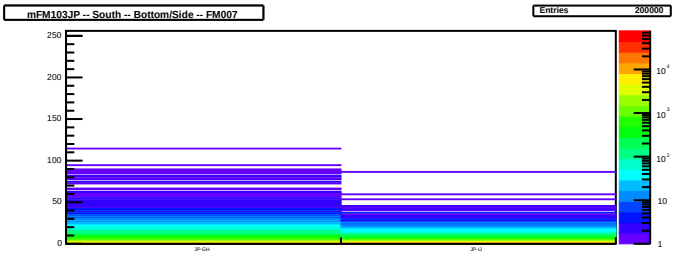
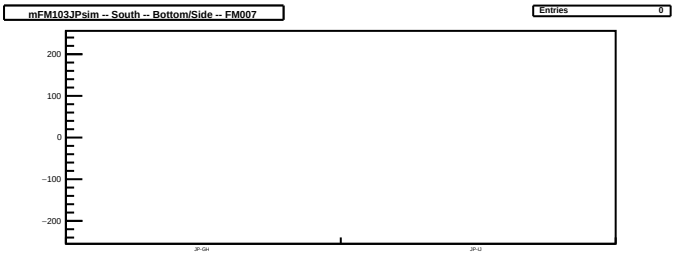
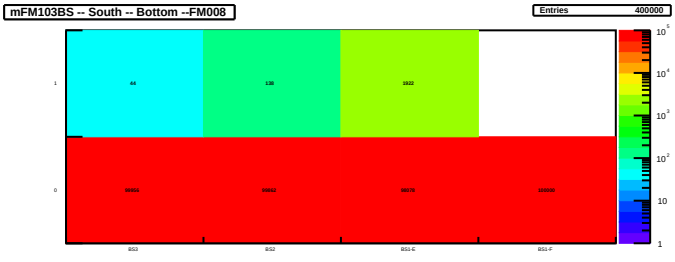
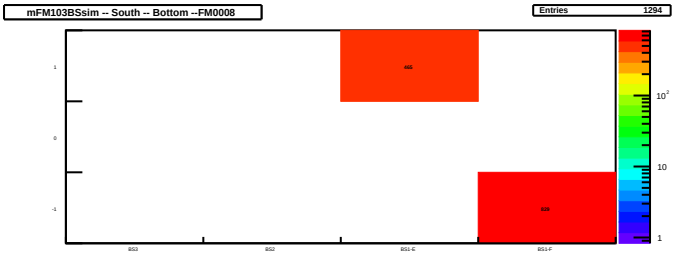
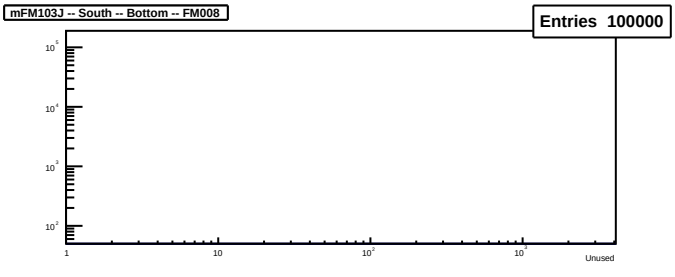
Entries 0
J(23)

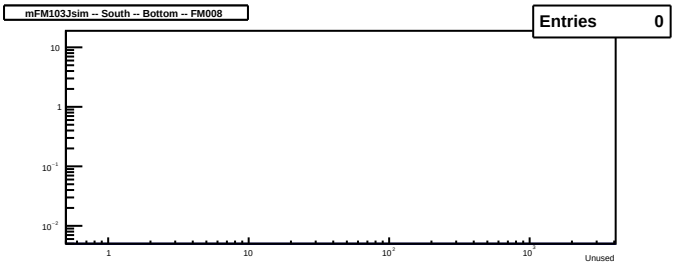

mFM103JP -- South -- Bottom/Side -- FM007
Entries 200000
JP-GH
JP-IJ

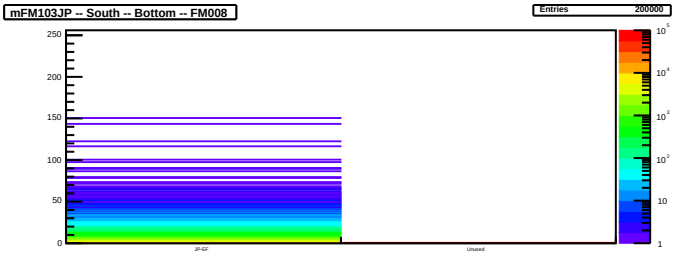

mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 0
JP-GH
JP-IJ

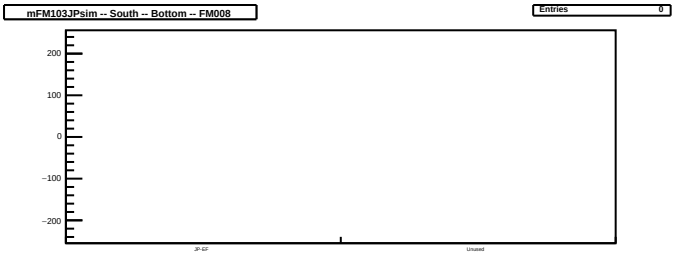

mFM103BS -- South -- Bottom --FM008
Entries 400000
44
138
1922
99956
99862
98078
100000
BS3
BS2
BS1-E
BS1-F

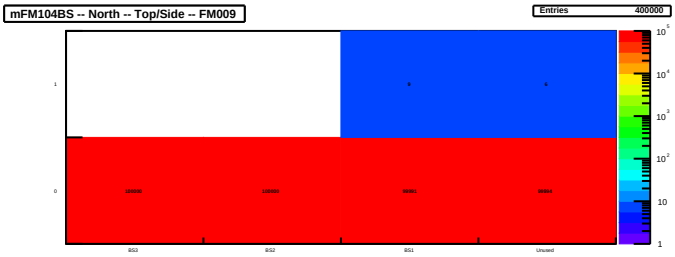

mFM103BSsim -- South -- Bottom --FM0008
Entries 1294
465
829
BS3
BS2
BS1-E
BS1-F

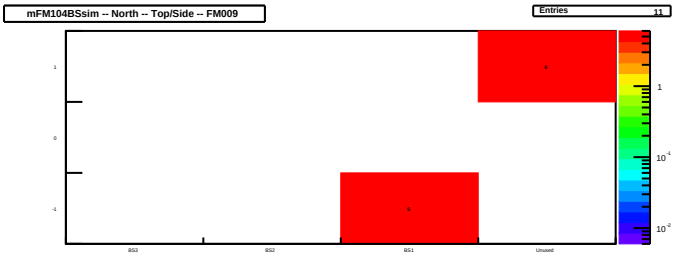

mFM103J -- South -- Bottom -- FM008
Entries 100000
Unused

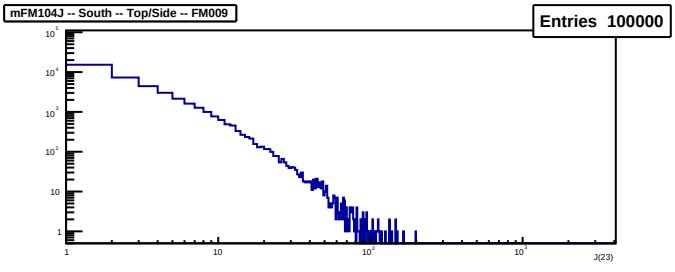

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

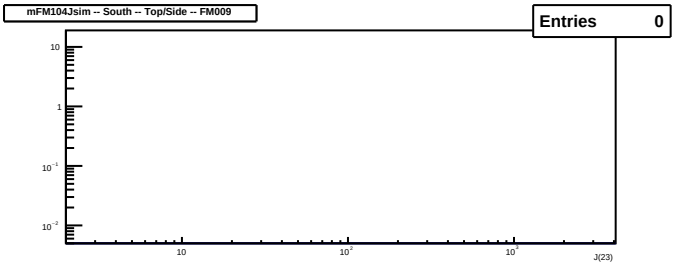

mFM103JP -- South -- Bottom -- FM008
Entries 200000
JP-EF
Unused

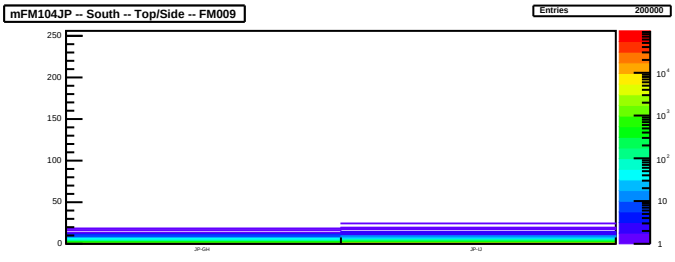

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

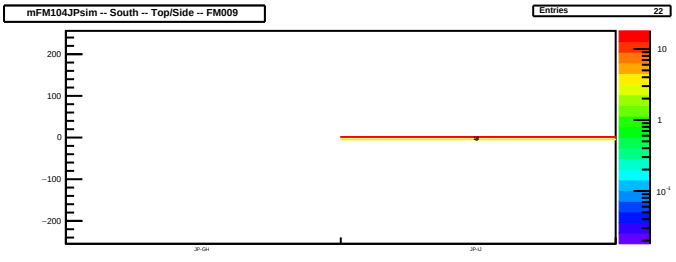

mFM104BS -- North -- Top/Side -- FM009
Entries 400000

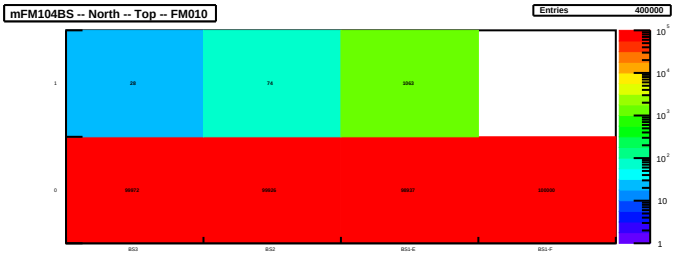

mFM104BSsim -- North -- Top/Side -- FM009
Entries 11

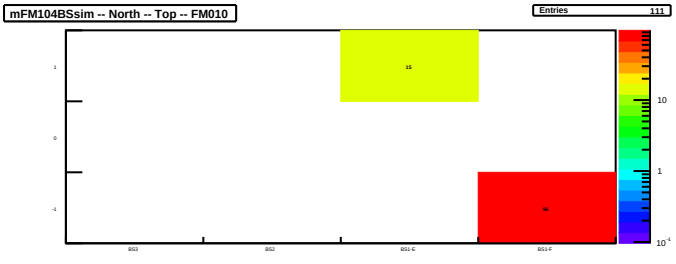

mFM104J -- South -- Top/Side -- FM009
Entries 100000
J(23)

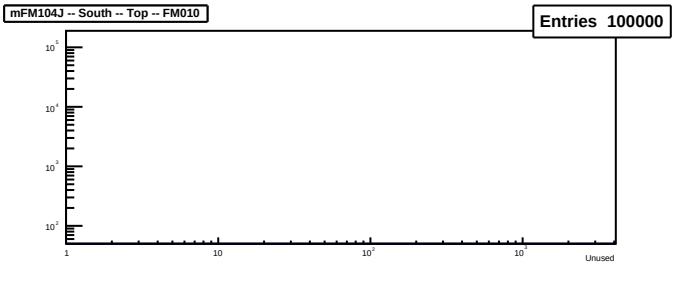

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

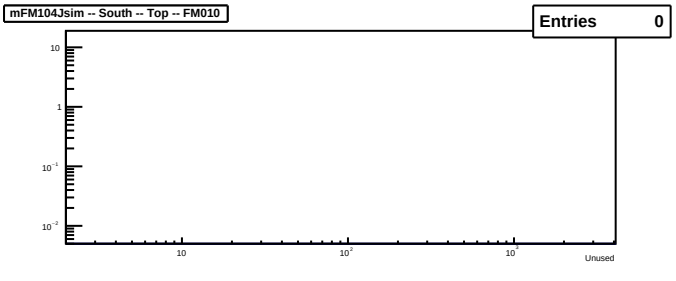

mFM104JP -- South -- Top/Side -- FM009
Entries 200000

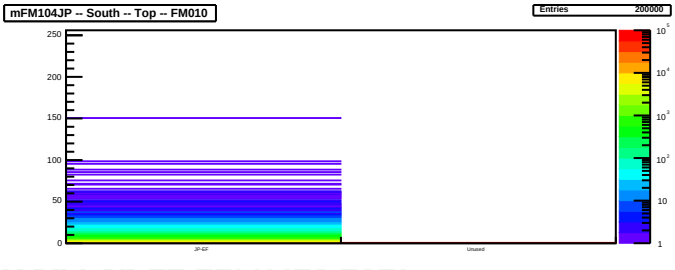

mFM104JPsim -- South -- Top/Side -- FM009
Entries 22

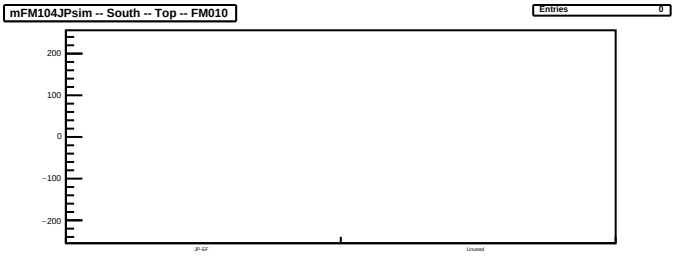

mFM104BS -- North -- Top -- FM010
Entries 400000

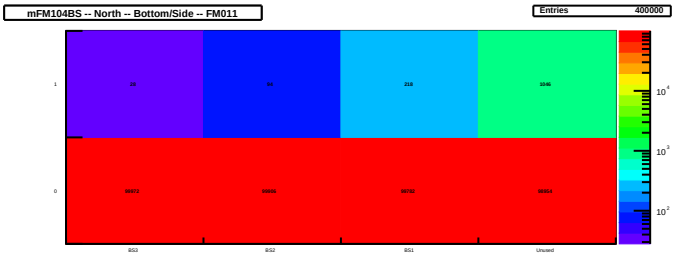

mFM104BSsim -- North -- Top -- FM010
Entries 111

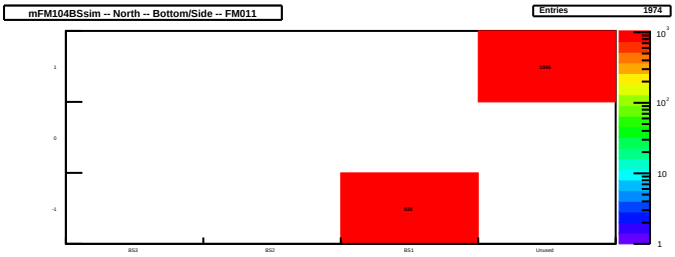

mFM104J -- South -- Top -- FM010
Entries 100000
Unused

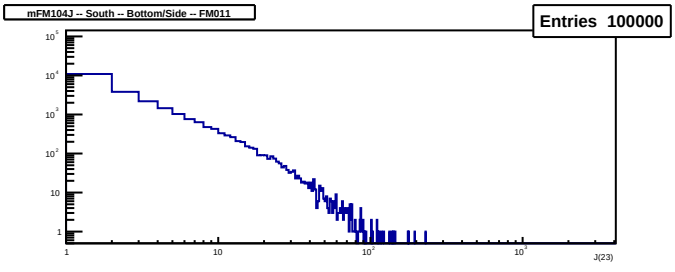

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

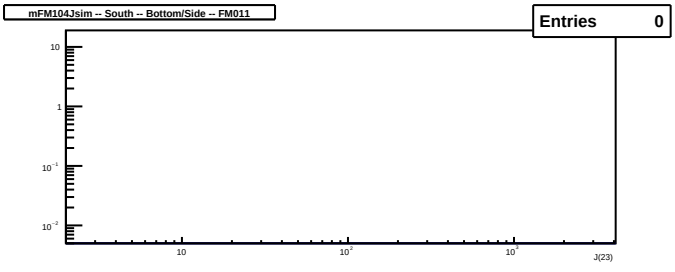

mFM104JP -- South -- Top -- FM010
Entries 200000

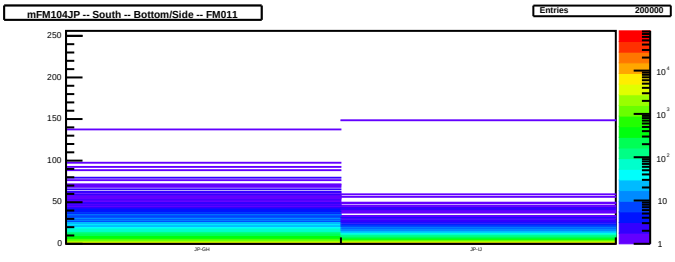

mFM104JPsim -- South -- Top -- FM010
Entries 0

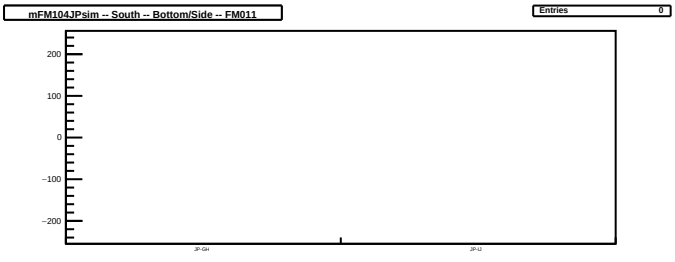

mFM104BS -- North -- Bottom/Side -- FM011
Entries 400000

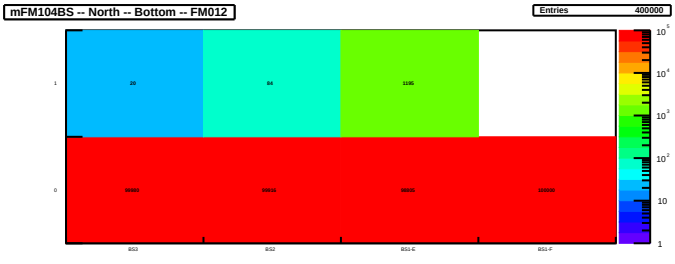

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 1974

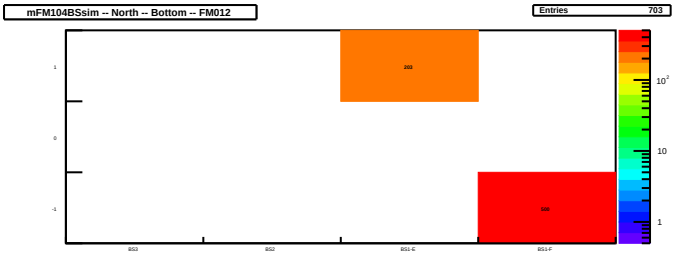

mFM104J -- South -- Bottom/Side -- FM011
Entries 100000
J(23)

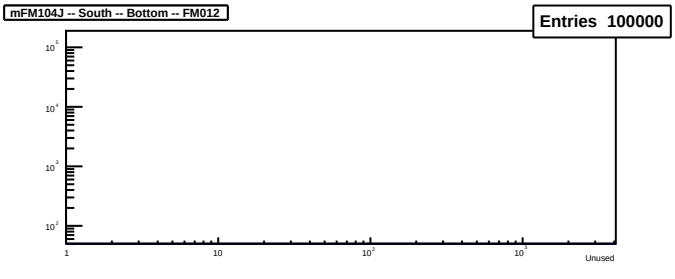

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

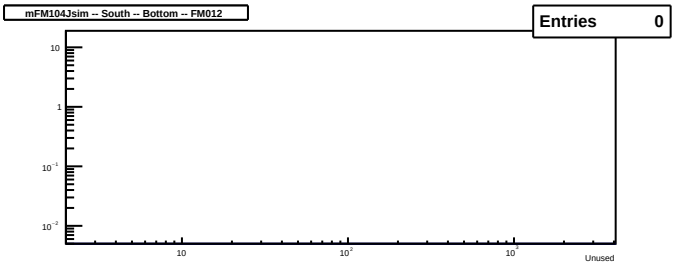

mFM104JP -- South -- Bottom/Side -- FM011
Entries 200000

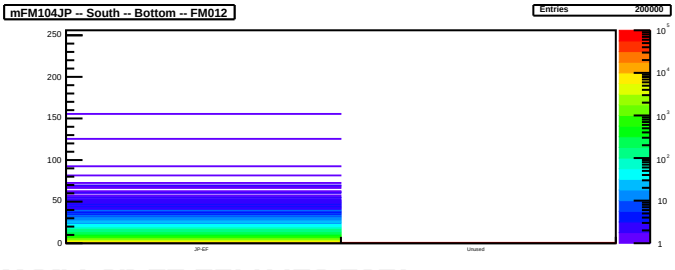

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0

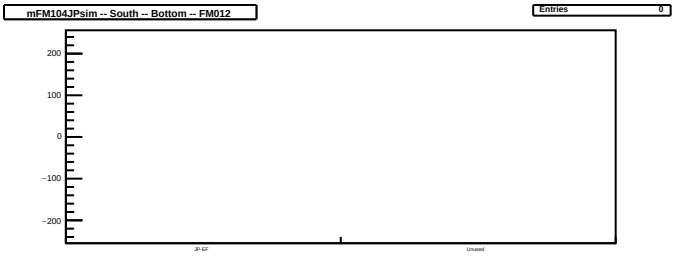

mFM104BS -- North -- Bottom -- FM012
Entries 400000

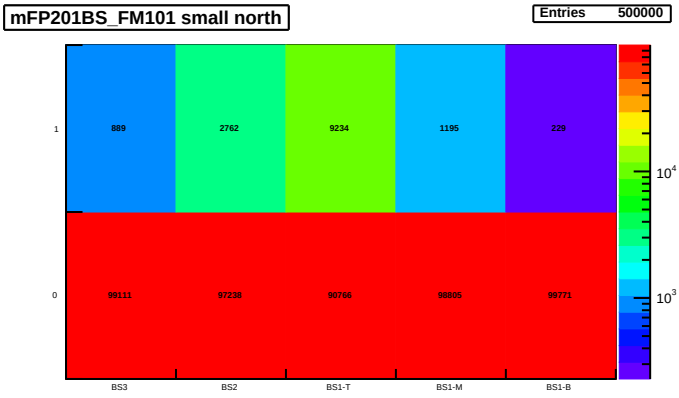

mFM104BSsim -- North -- Bottom -- FM012
Entries 703

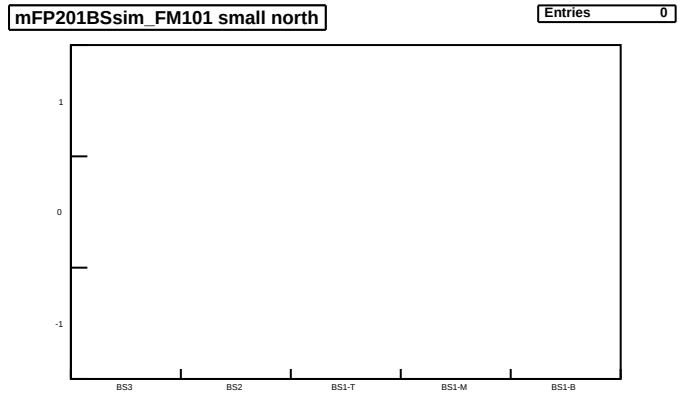

mFM104J -- South -- Bottom -- FM012
Entries 100000
Unused

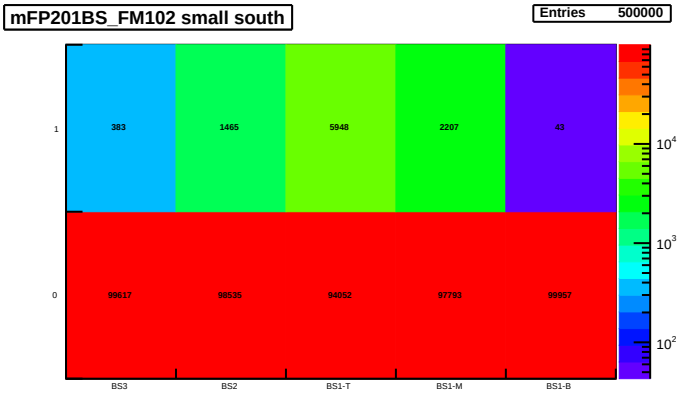

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

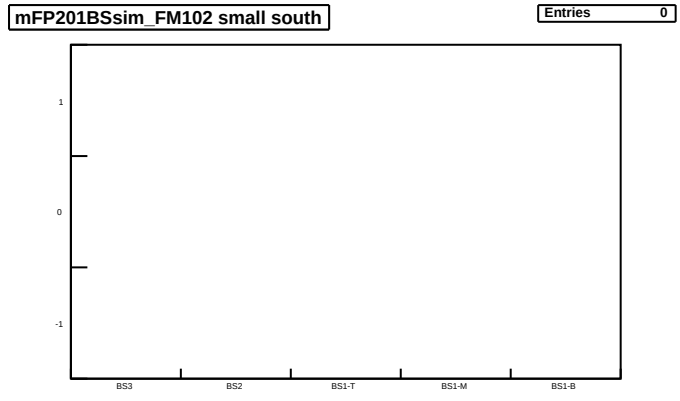

mFM104JP -- South -- Bottom -- FM012
Entries 200000

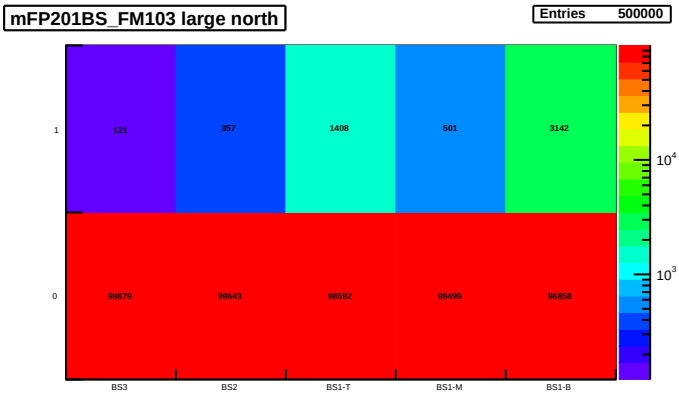

mFM104JPsim -- South -- Bottom -- FM012
Entries 0

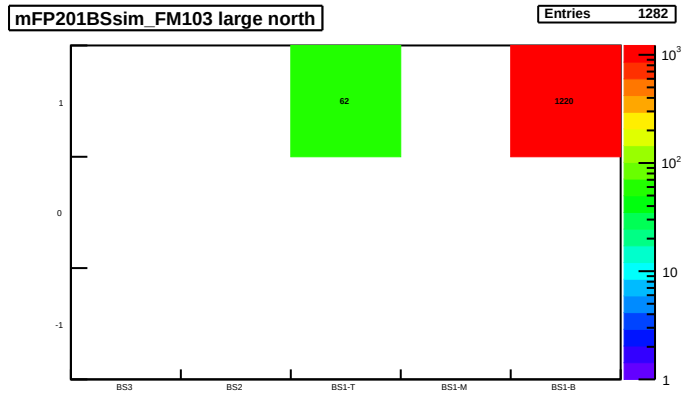

mFP201BS_FM101 small north
Entries 500000
889
2762
9234
1195
229
99111
97238
90766
98805
99771
BS3
BS2
BS1-T
BS1-M
BS1-B

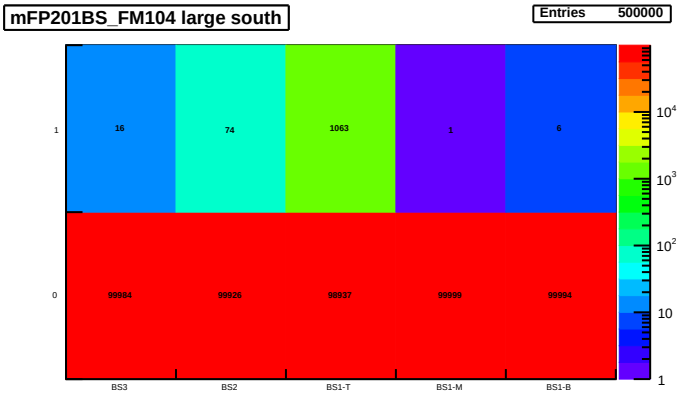

mFP201BSsim_FM101 small north
Entries 0
BS3
BS2
BS1-T
BS1-M
BS1-B

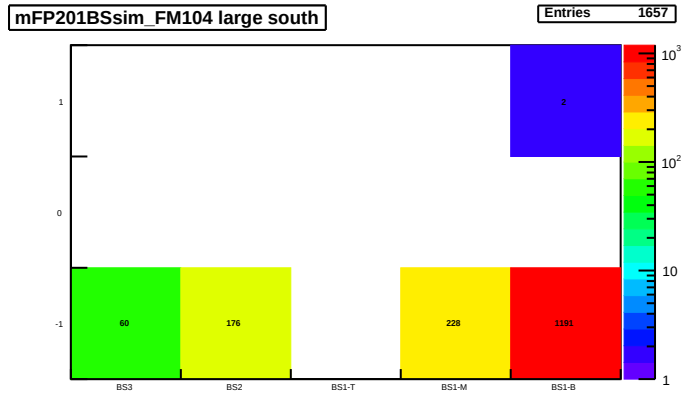

mFP201BS_FM102 small south
Entries 500000
383
1465
5948
2207
43
99617
98535
94052
97793
99957
BS3
BS2
BS1-T
BS1-M
BS1-B

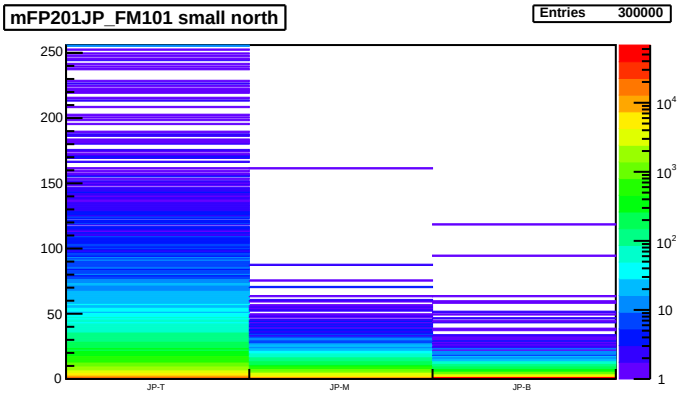

mFP201BSsim_FM102 small south
Entries 0
BS3
BS2
BS1-T
BS1-M
BS1-B

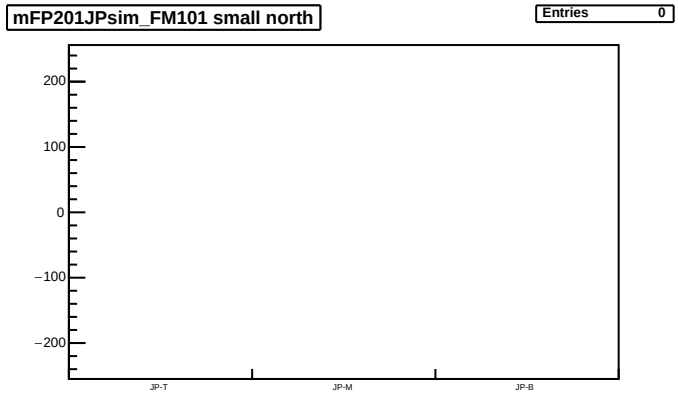

mFP201BS_FM103 large north
Entries 500000
121
357
1408
501
3142
99879
99643
98592
99499
96858
BS3
BS2
BS1-T
BS1-M
BS1-B

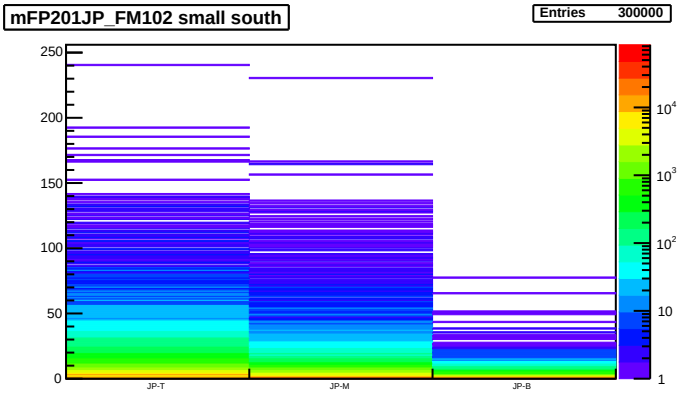

mFP201BSsim_FM103 large north
Entries 1282
62
1220
BS3
BS2
BS1-T
BS1-M
BS1-B

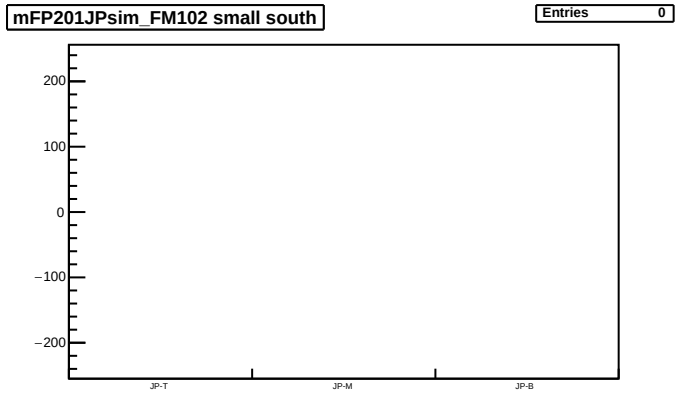

mFP201BS_FM104 large south
Entries 500000
16
74
1063
1
6
99984
99926
98937
99999
99994
BS3
BS2
BS1-T
BS1-M
BS1-B

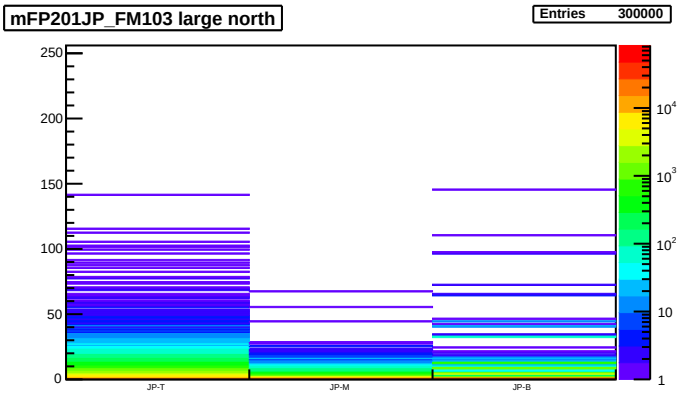

mFP201BSsim_FM104 large south
Entries 1657
2
60
176
228
1191
BS3
BS2
BS1-T
BS1-M
BS1-B

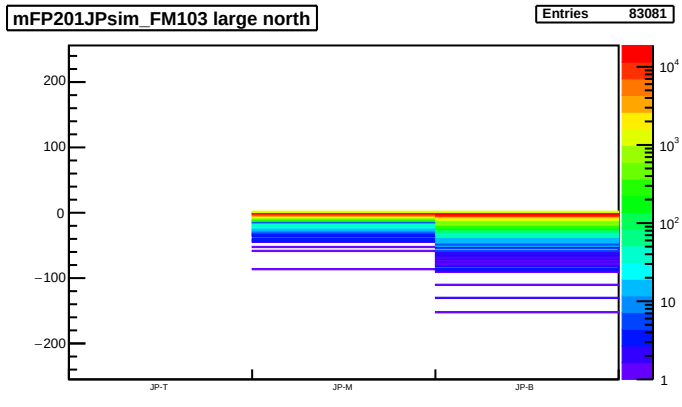

mFP201JP_FM101 small north
Entries 300000
JP-T
JP-M
JP-B

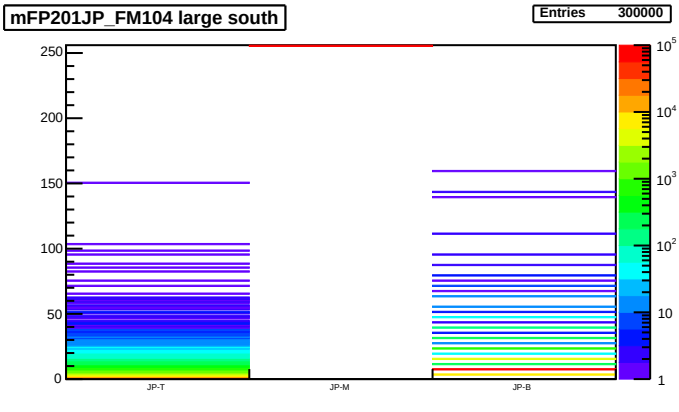

mFP201JPsim_FM101 small north
Entries 0
JP-T
JP-M
JP-B

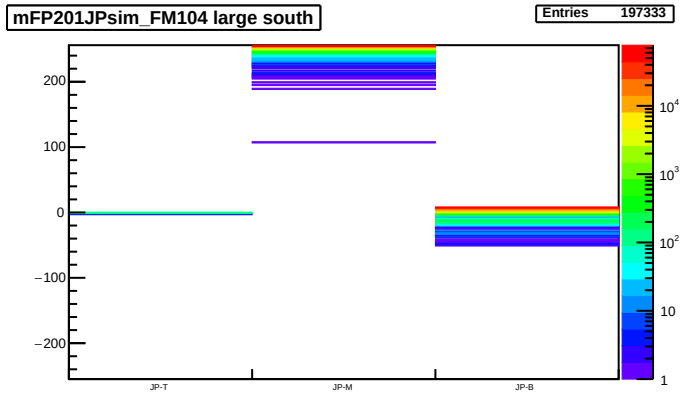

mFP201JP_FM102 small south
Entries 300000
JP-T
JP-M
JP-B

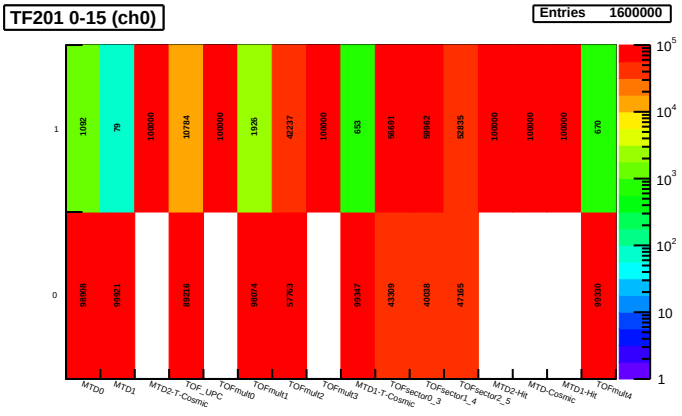

mFP201JPsim_FM102 small south
Entries 0
JP-T
JP-M
JP-B

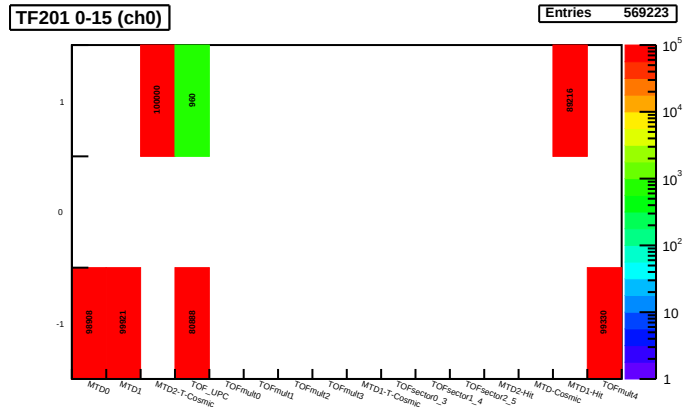

mFP201JP_FM103 large north
Entries 300000
JP-T
JP-M
JP-B

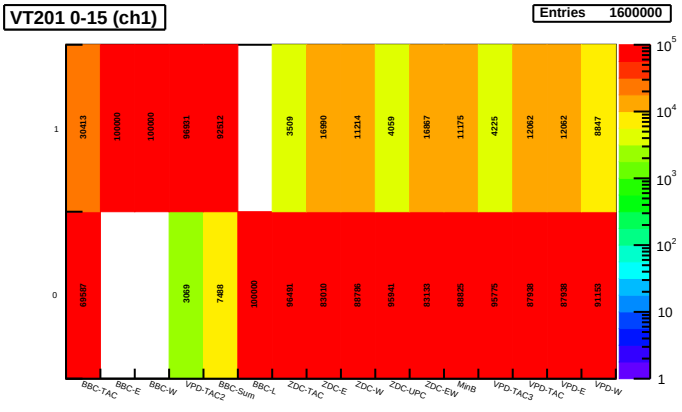

mFP201JPsim_FM103 large north
Entries 83081
JP-T
JP-M
JP-B

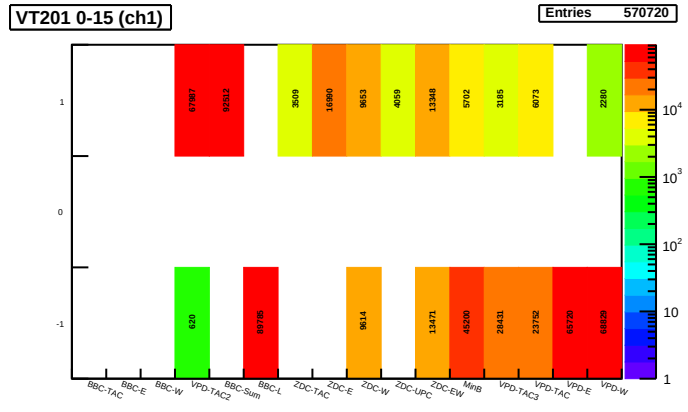

mFP201JP_FM104 large south
Entries 300000
JP-T
JP-M
JP-B

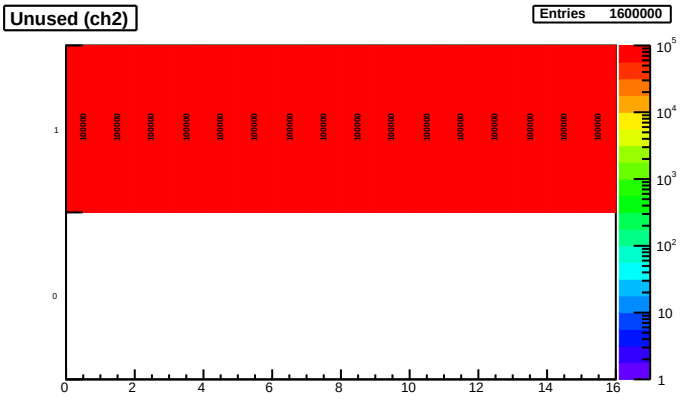

mFP201JPsim_FM104 large south
Entries 197333
JP-T
JP-M
JP-B

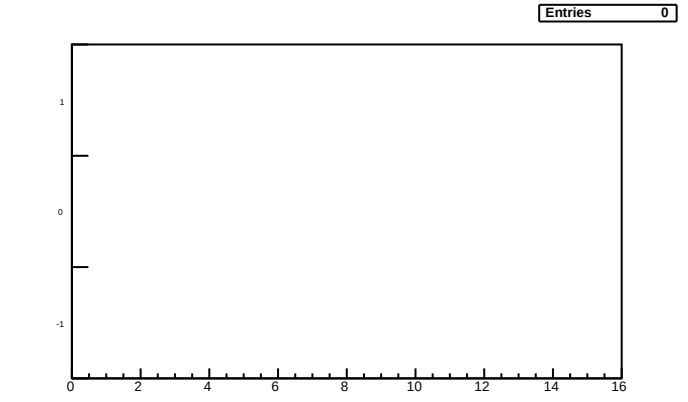

TF201 0-15 (ch0)
Entries 1600000
1 1092 79 100000 10784 100000 1926 42237 100000 653 56691 99962 52835 100000 100000 100000 670
0 98908 99921 89216 98074 57763 99347 43309 40038 47165 99330
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

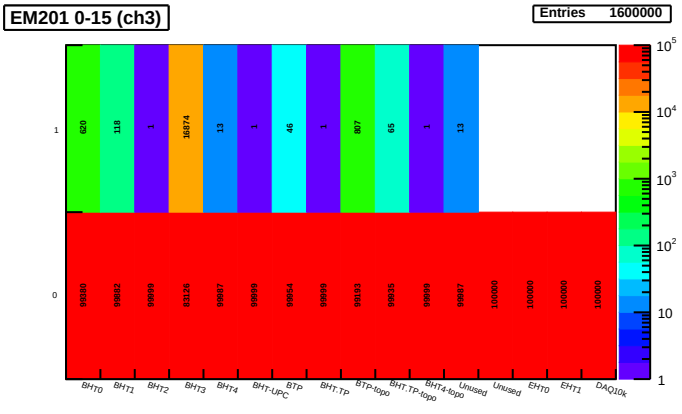

TF201 0-15 (ch0)
Entries 569223
1 100000 990 89216
0
-1 98908 99921 80888 99330
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

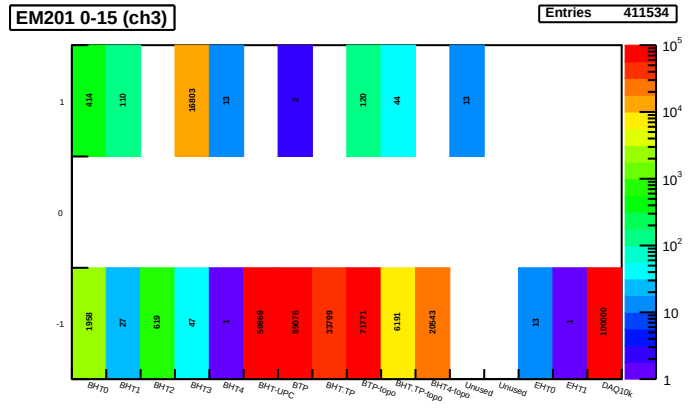

VT201 0-15 (ch1)
Entries 1600000
1 30413 100000 100000 96891 92312 3509 16990 11214 4059 16867 11175 4225 12062 12062 8847
0 69587 3069 7488 100000 96491 83010 88786 95941 83133 88825 95775 87938 87938 91153
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

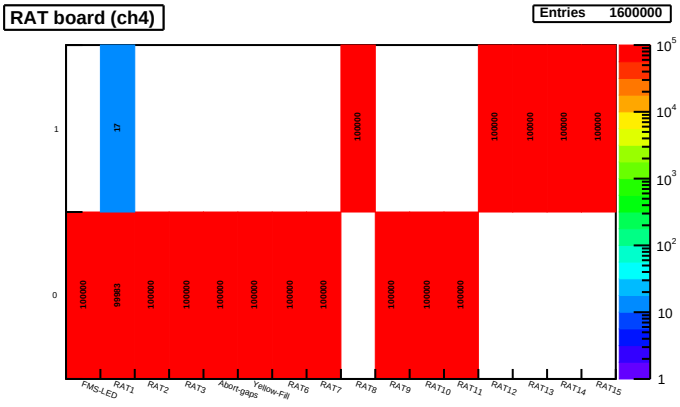

VT201 0-15 (ch1)
Entries 570720
1 67987 92312 3509 16990 9653 4059 13348 5702 3185 6073 2280
0
-1 620 89785 9614 13471 45200 28431 23752 65720 68829
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

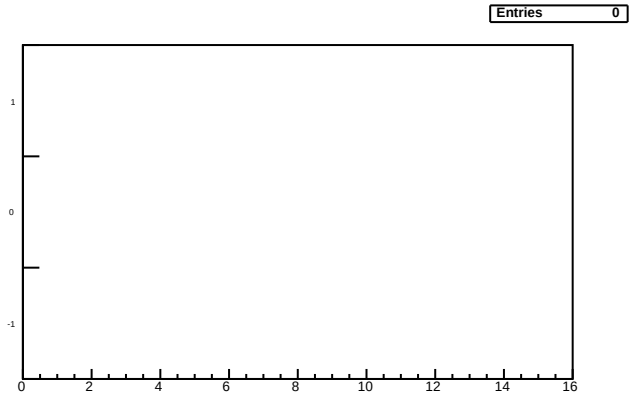

Unused (ch2)
Entries 1600000
1 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000
0
0 2 4 6 8 10 12 14 16

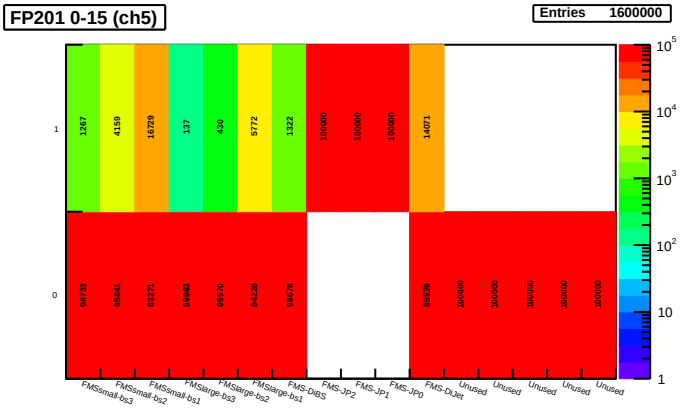

Entries 0
1
0
-1
0 2 4 6 8 10 12 14 16

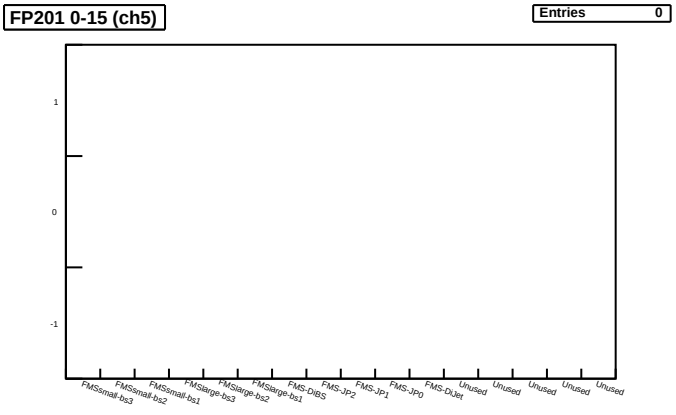

EM201 0-15 (ch3)
Entries 1600000
1 620 118 1 16874 13 1 46 1 807 65 1 13
0 99380 99882 99999 83126 99987 99999 99954 99999 99193 99935 99999 99987 100000 100000 100000 100000
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k


EM201 0-15 (ch3)
Entries 411534
1 414 110 16803 13 2 120 44 13
0
-1 1958 27 619 47 1 59969 99076 33799 71771 6191 20543 13 1 100000
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 1600000
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15


Entries 0


FP201 0-15 (ch5)
Entries 1600000
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused
Unused
Unused
Unused
Unused


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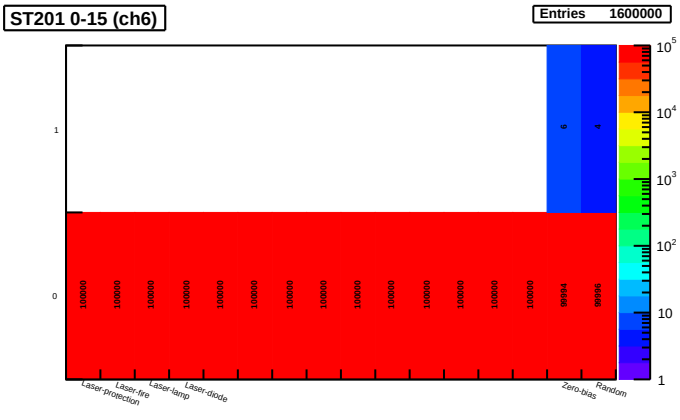
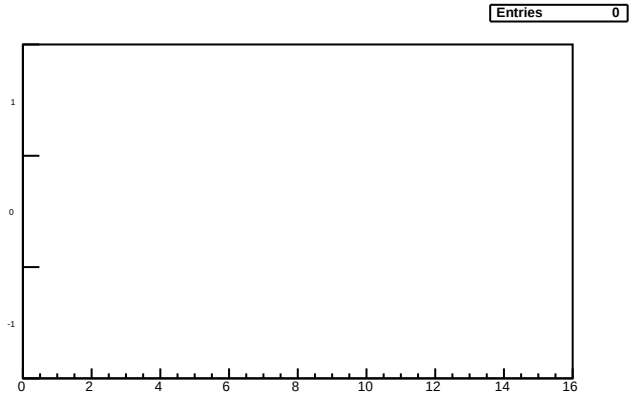
Unused
Unused
Unused
Unused


ST201 0-15 (ch6)
Entries 1600000
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random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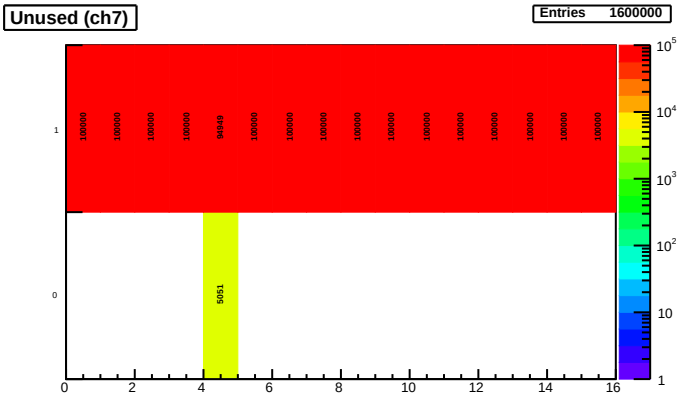
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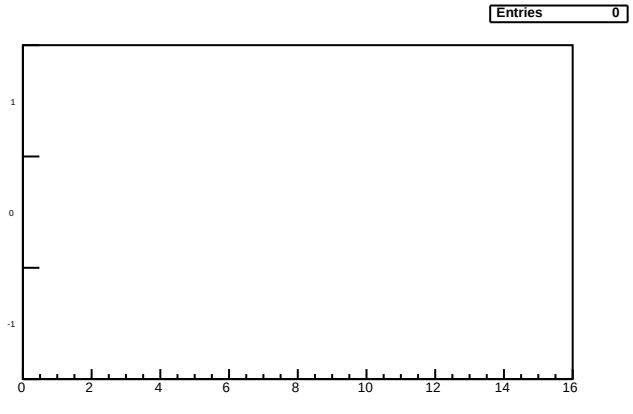
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