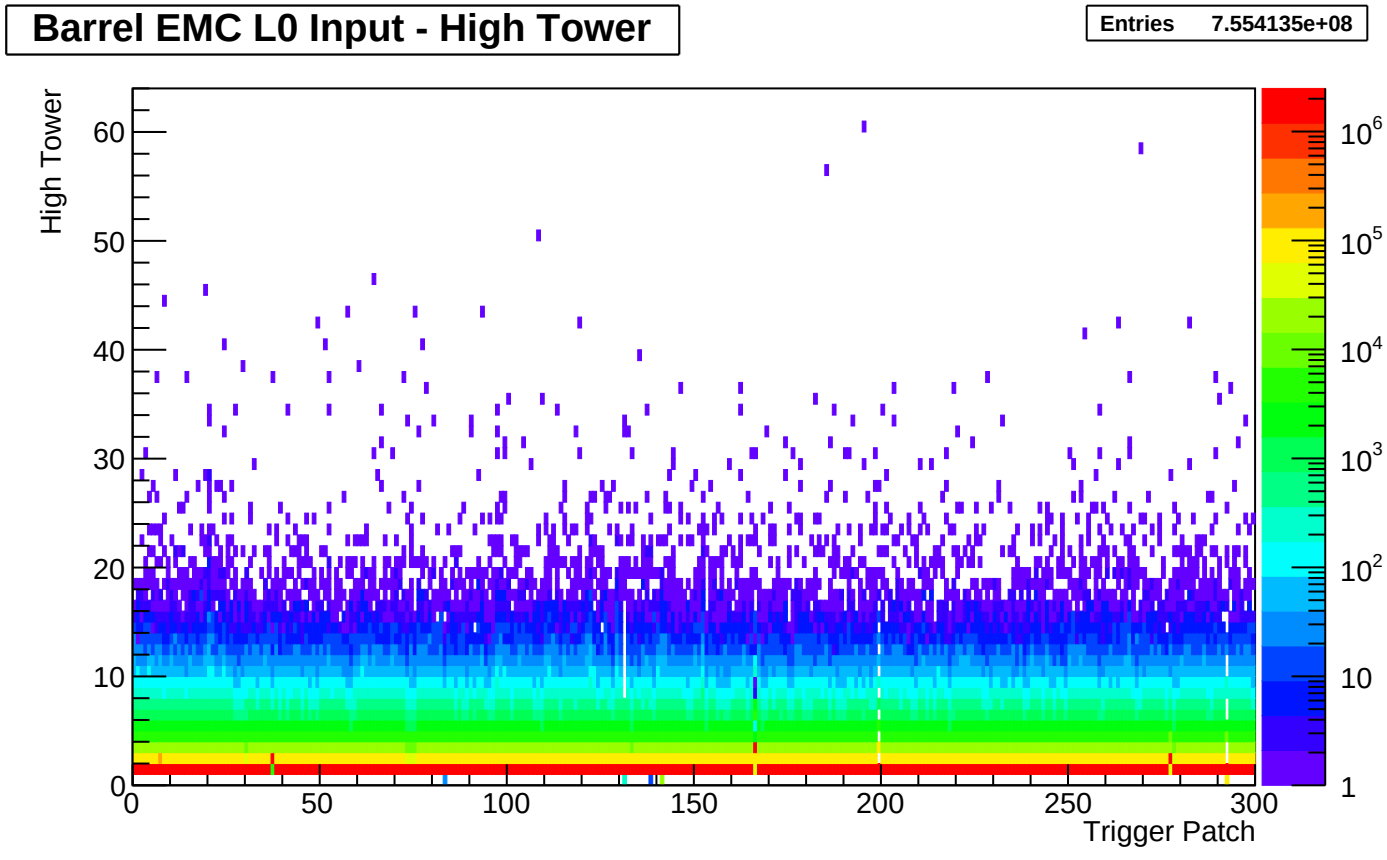
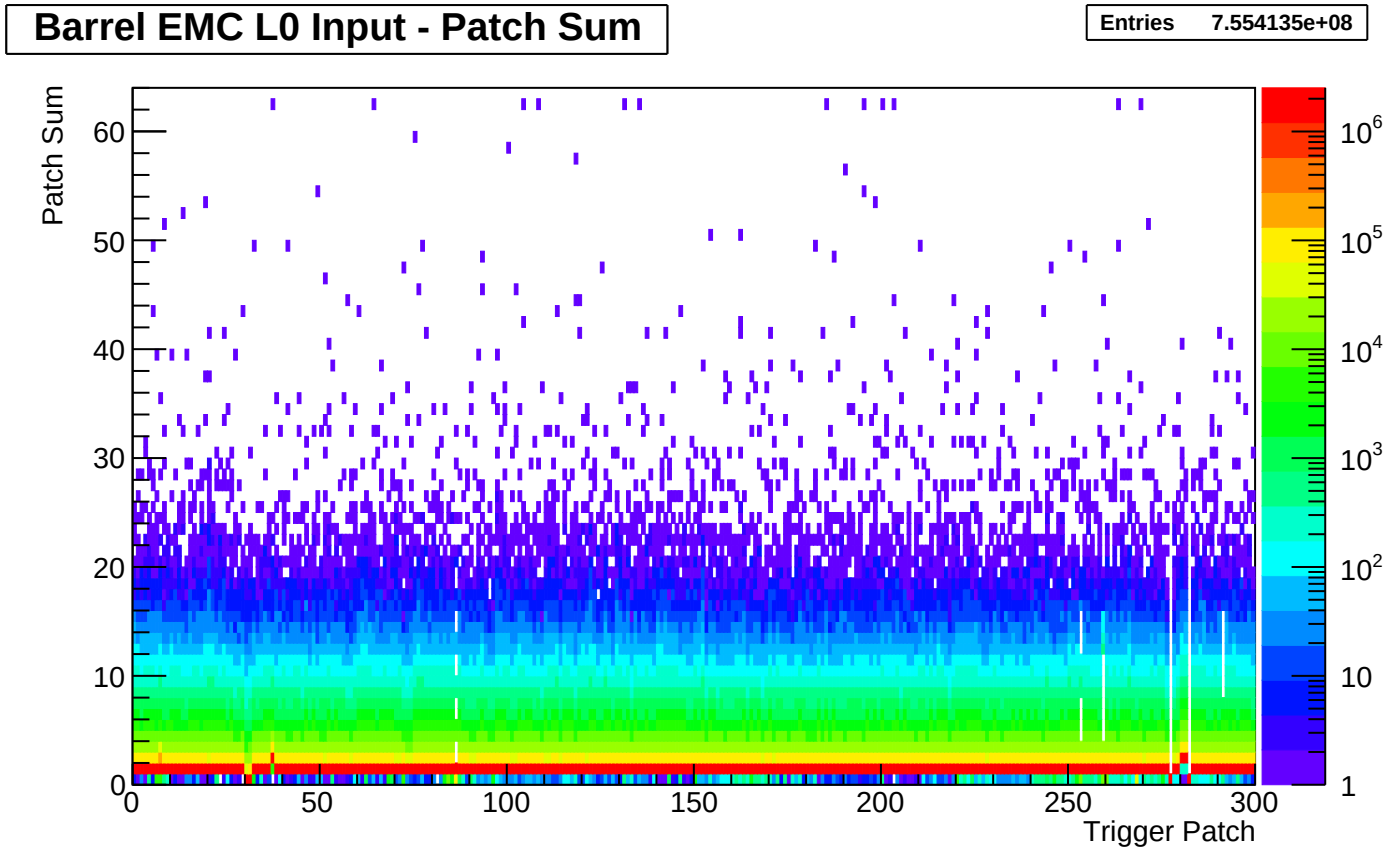
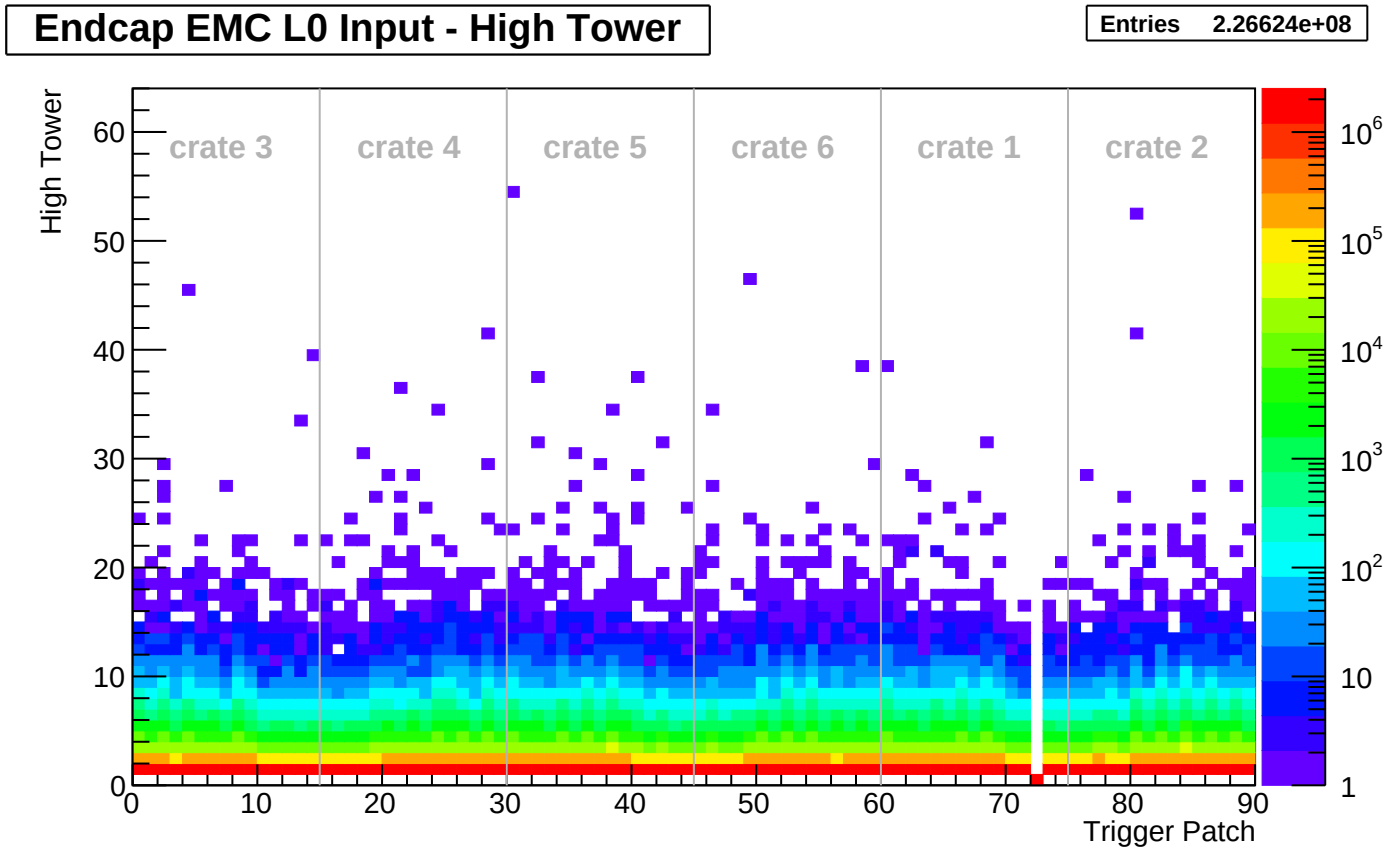
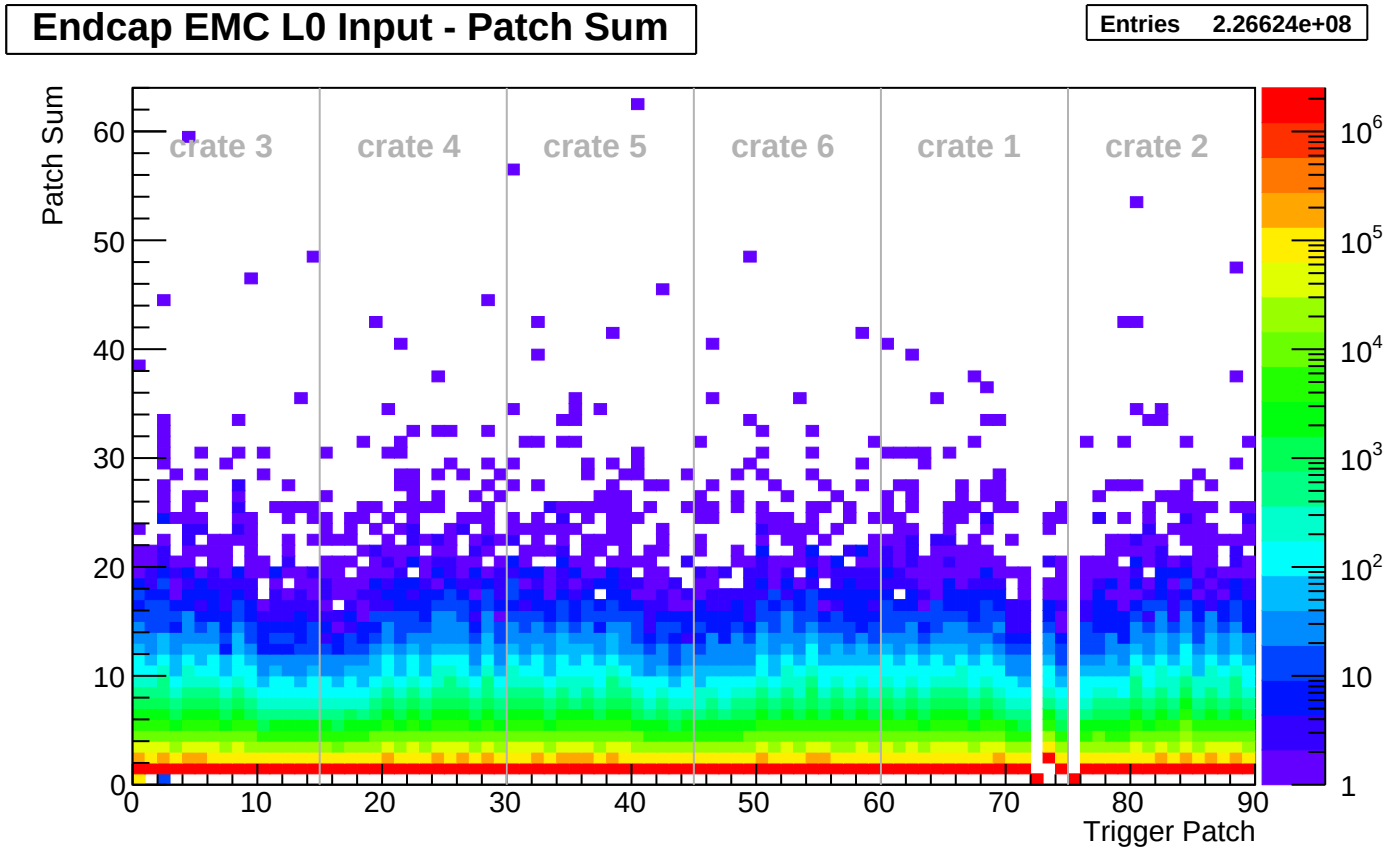
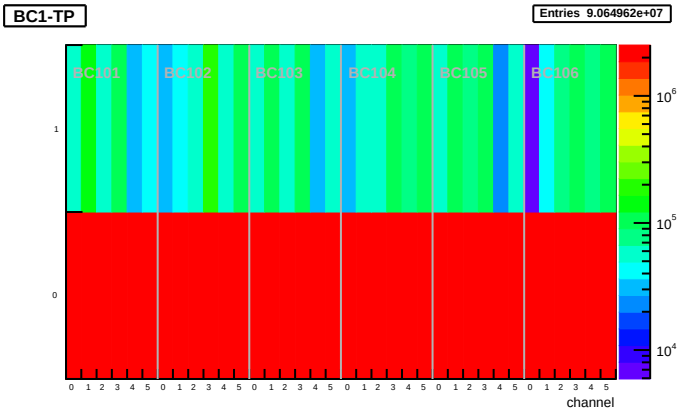
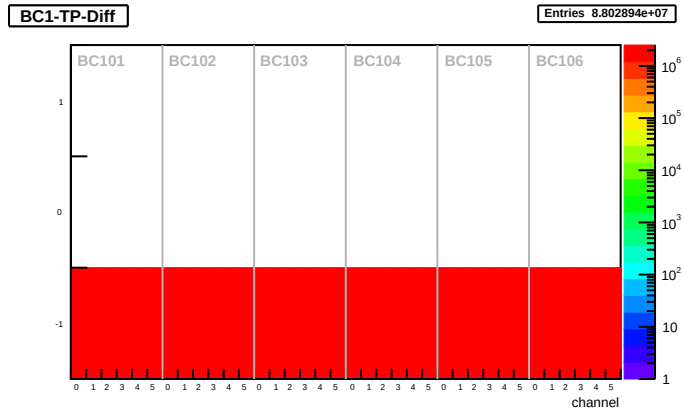

Barrel EMC L0 Input - High Tower
Entries 7.554135e+08
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

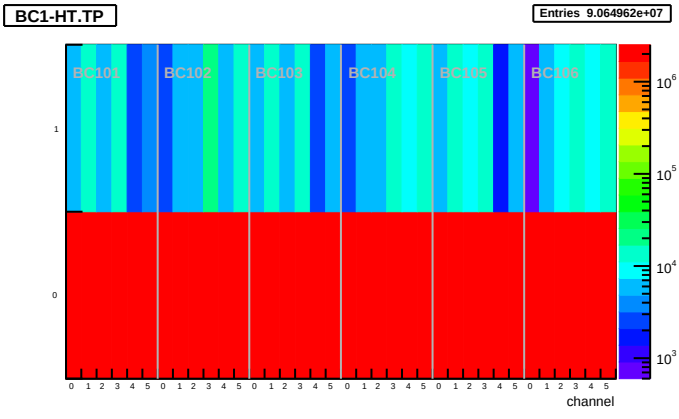

Barrel EMC L0 Input - Patch Sum
Entries 7.554135e+08
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^2
10^3
10^4
10^5
10^6

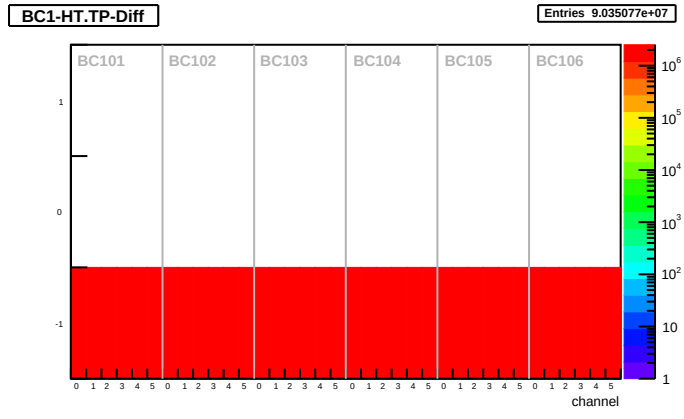

Endcap EMC L0 Input - High Tower
Entries 2.26624e+08
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

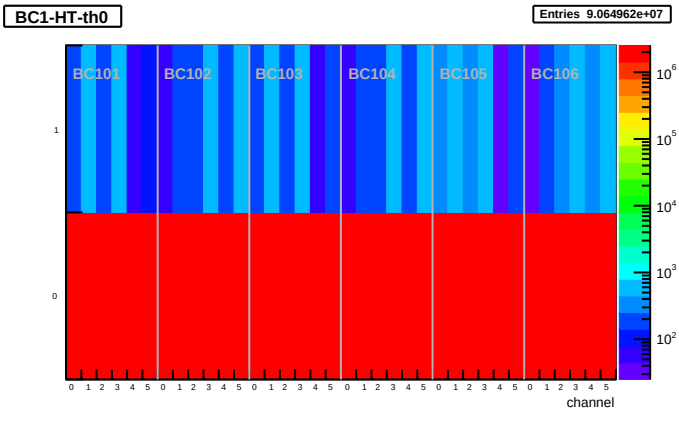

Endcap EMC L0 Input - Patch Sum
Entries 2.26624e+08
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

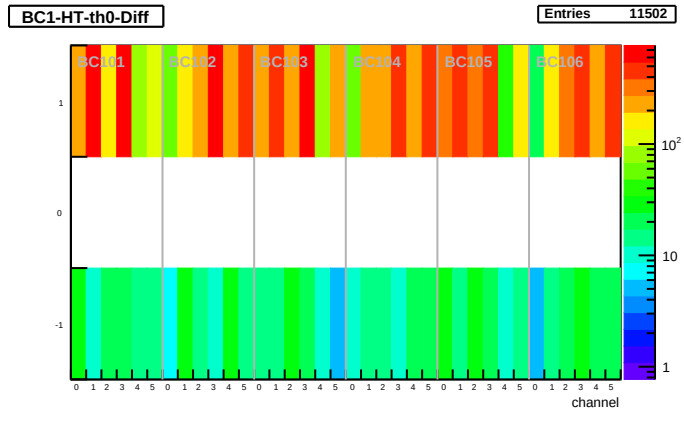

BC1-TP
Entries 9.064962e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

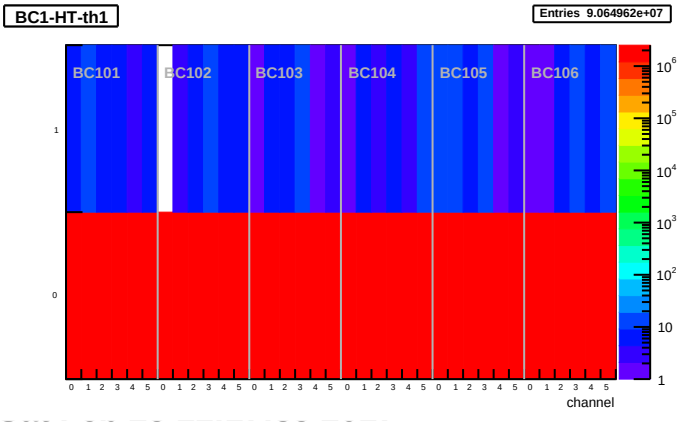

BC1-TP-Diff
Entries 8.802894e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

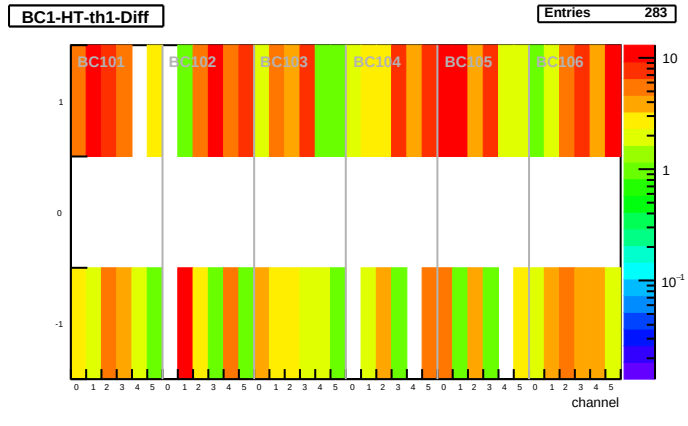

BC1-HT.TP
Entries 9.064962e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel


BC1-HT.TP-Diff
Entries 9.035077e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel


BC1-HT-th0
Entries 9.064962e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel

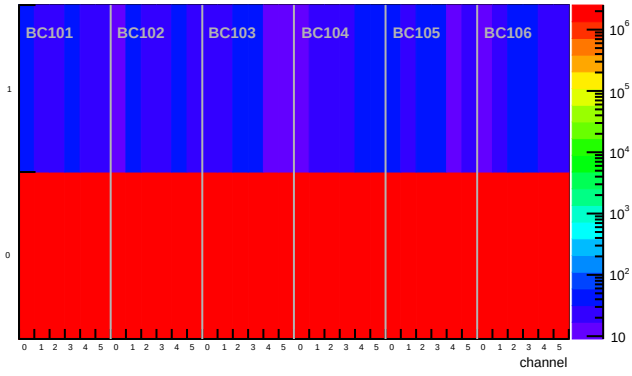

BC1-HT-th0-Diff
Entries 11502
BC101
BC102
BC103
BC104
BC105
BC106
channel


BC1-HT-th1
Entries 9.064962e+07
BC101
BC102
BC103
BC104
BC105
BC106
channel


BC1-HT-th1-Diff
Entries 283
BC101
BC102
BC103
BC104
BC105
BC106
channel

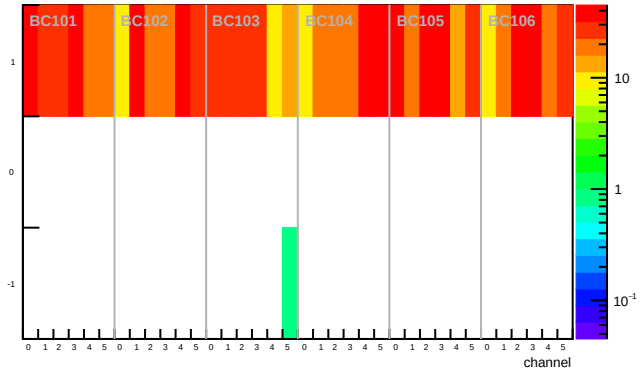
BC1-HT-th2

Entries 9.064962e+07



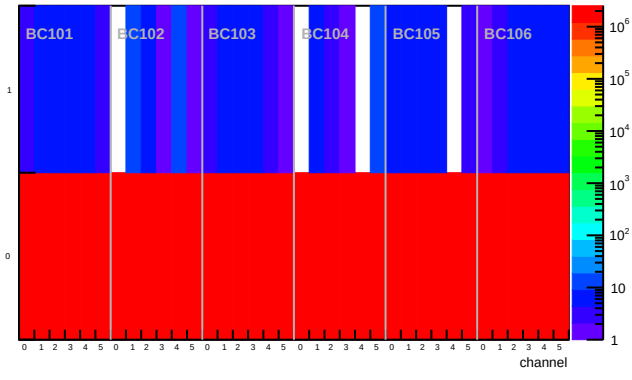
BC1-HT-th2-Diff

Entries 926



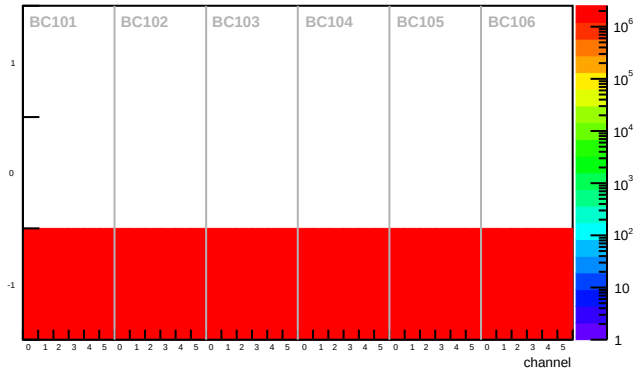
BC1-HT-th3

Entries 9.064962e+07



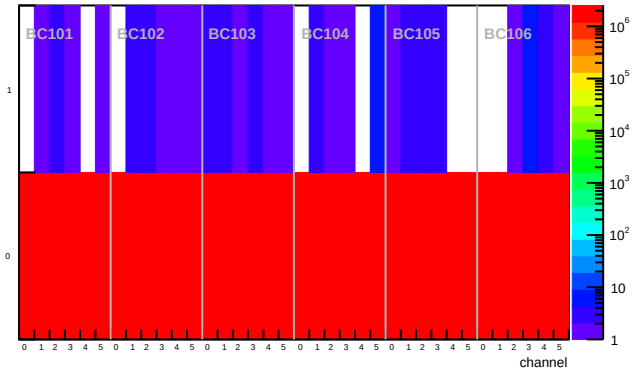
BC1-HT-th3-Diff

Entries 9.064945e+07



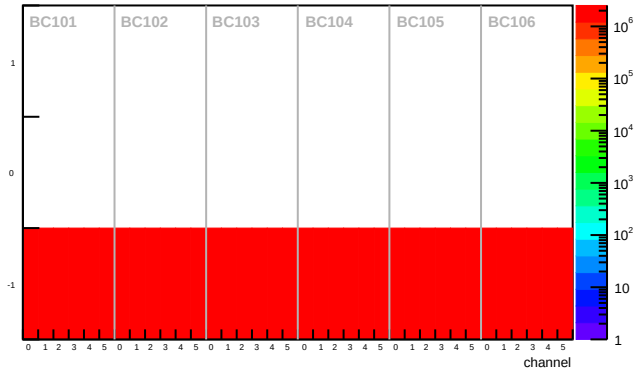
BC1-HT-th4

Entries 9.064962e+07



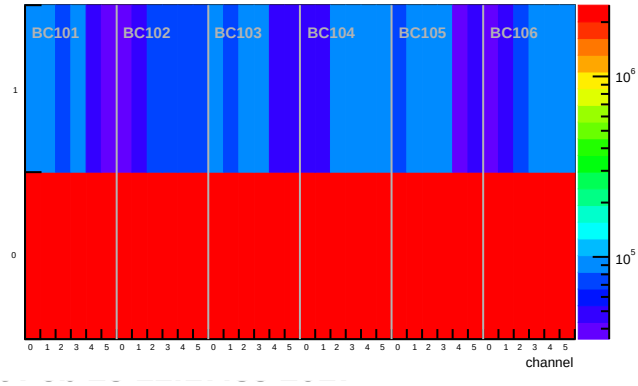
BC1-HT-th4-Diff

Entries 9.064955e+07



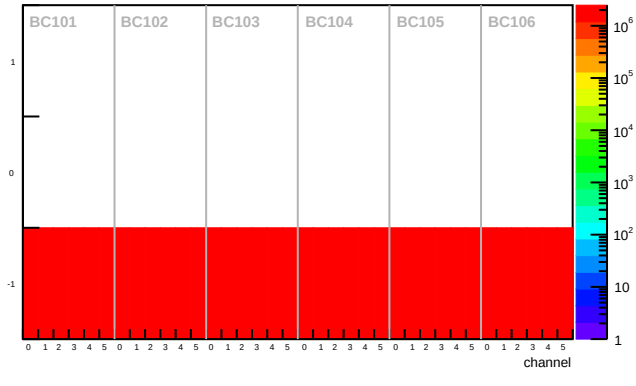
BC1-HT-UPC

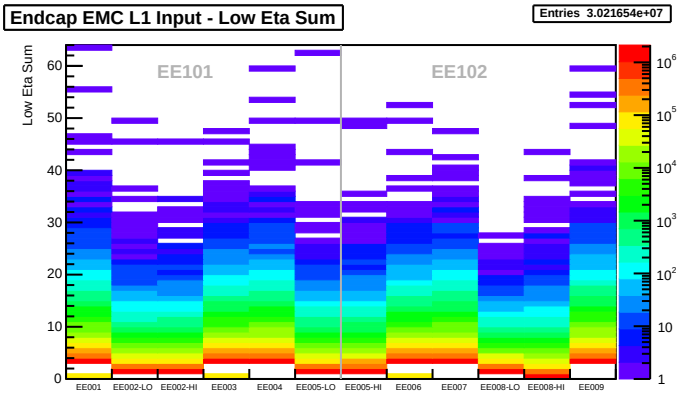
Entries 9.064962e+07

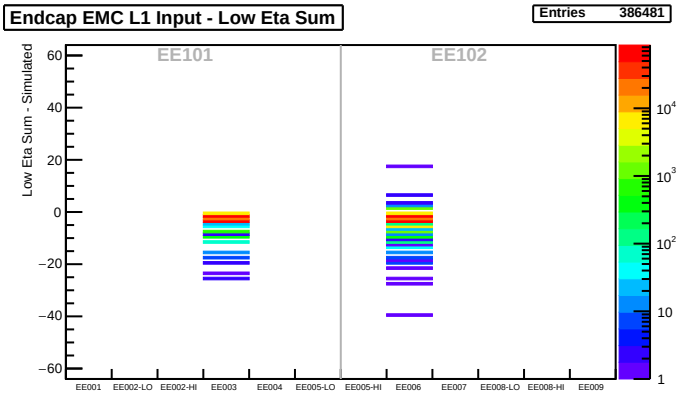


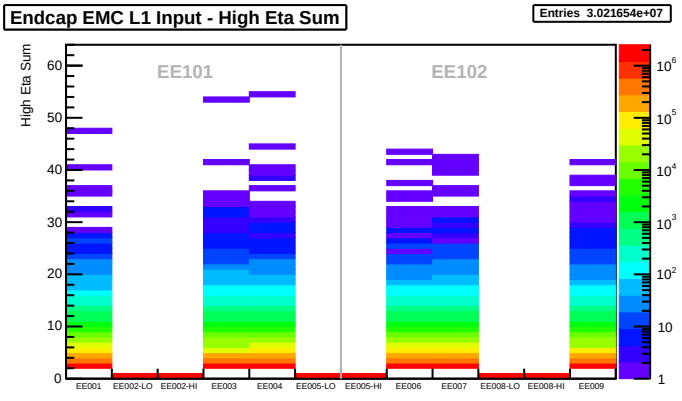
BC1-HT-UPC-Diff

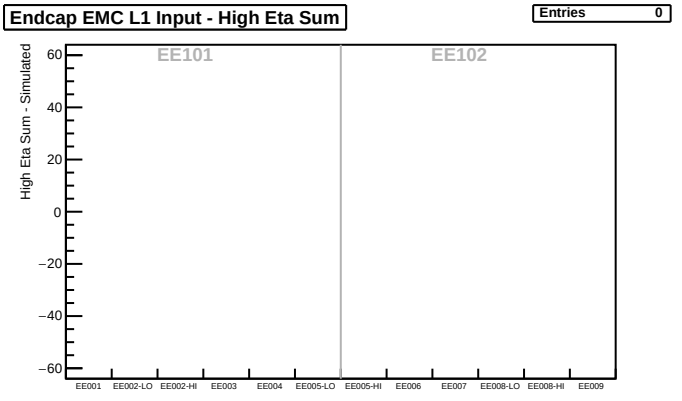
Entries 8.811067e+07

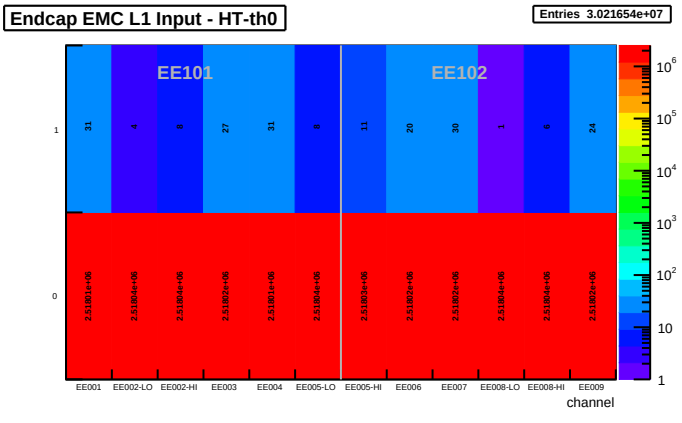


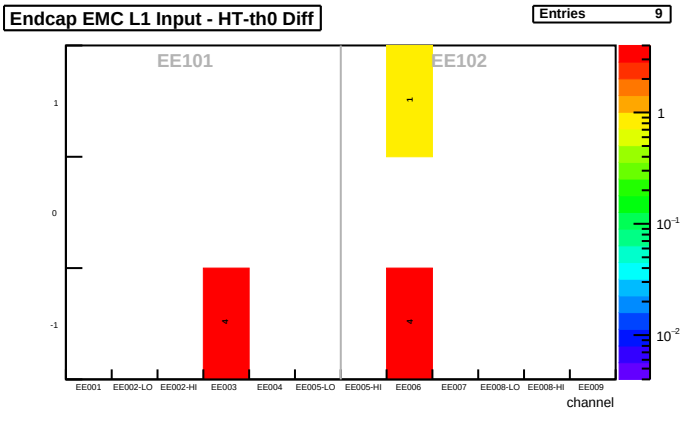

Endcap EMC L1 Input - Low Eta Sum
Entries 3.021654e+07
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

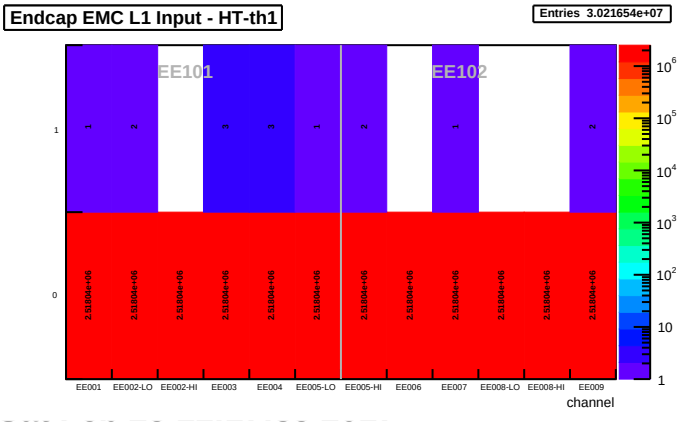

Endcap EMC L1 Input - Low Eta Sum
Entries 386481
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

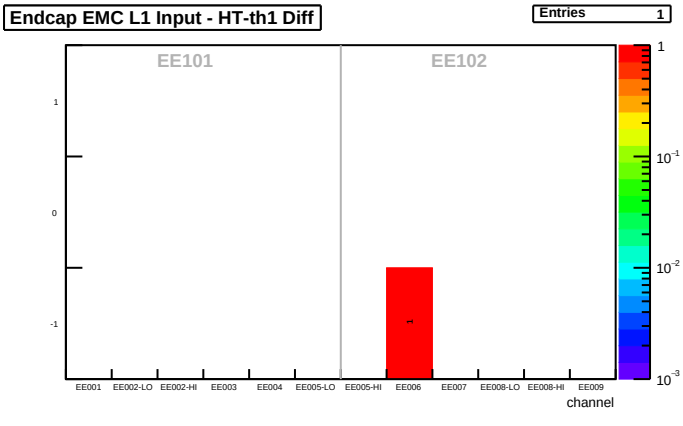

Endcap EMC L1 Input - High Eta Sum
Entries 3.021654e+07
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

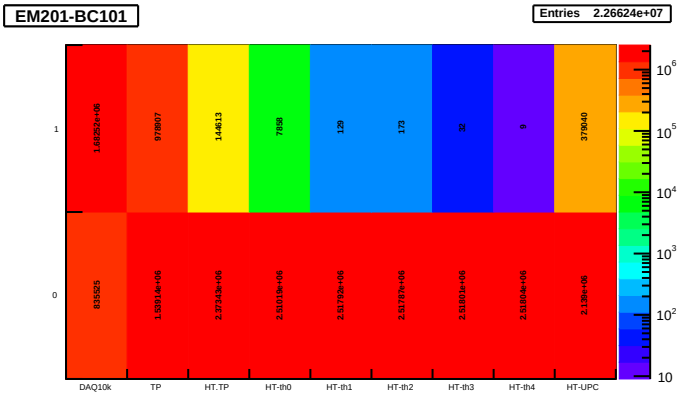

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

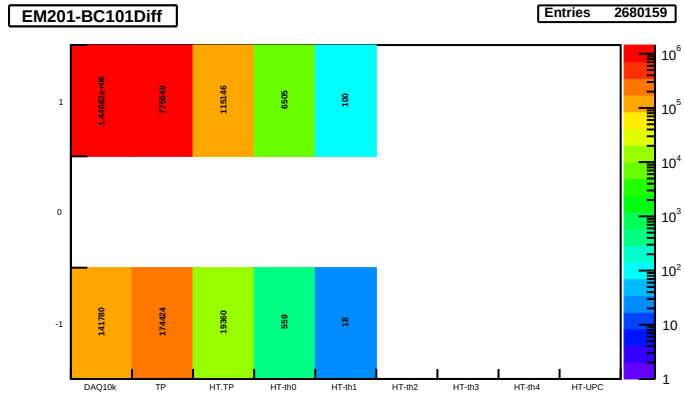

Endcap EMC L1 Input - HT-th0
Entries 3.021654e+07
EE101
EE102
31 4 8 27 31 8 11 20 30 1 6 24
2.51801e+06 2.51804e+06 2.51804e+06 2.51802e+06 2.51801e+06 2.51804e+06 2.51803e+06 2.51802e+06 2.51802e+06 2.51804e+06 2.51804e+06 2.51802e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

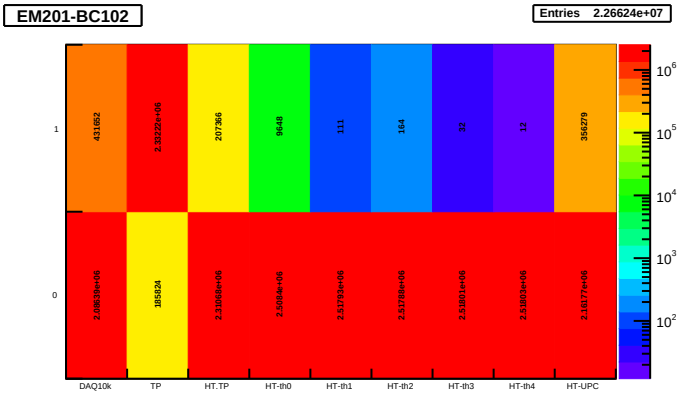

Endcap EMC L1 Input - HT-th0 Diff
Entries 9
EE101
EE102
1
4 4
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

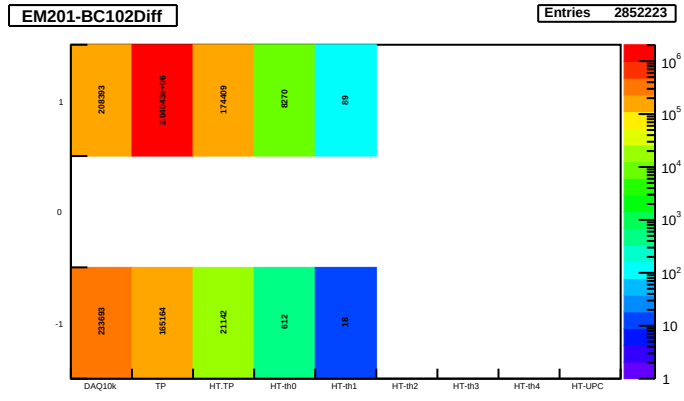

Endcap EMC L1 Input - HT-th1
Entries 3.021654e+07
EE101
EE102
1 2 3 3 1 2 1 2
2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

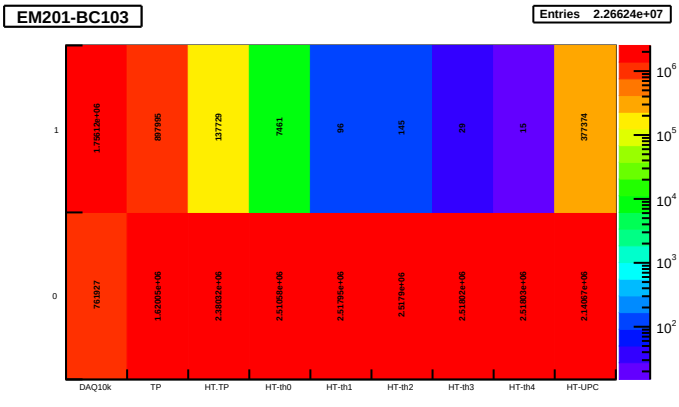

Endcap EMC L1 Input - HT-th1 Diff
Entries 1
EE101
EE102
1
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

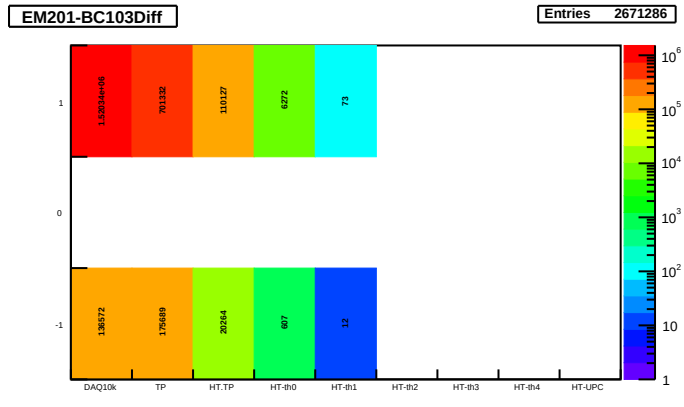

EM201-BC101
Entries 2.26624e+07
1 1.63252e+06 978907 144613 7858 129 173 32 9 379040
0 835525 1.53914e+06 2.37243e+06 2.51019e+06 2.51792e+06 2.51787e+06 2.51801e+06 2.51804e+06 2.138e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2 10

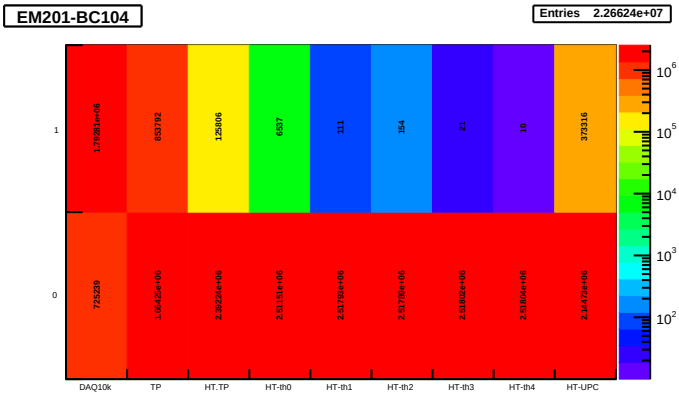

EM201-BC101Diff
Entries 2680159
1 1.44662e+06 775649 115146 6505 100
0 141780 174424 19360 559 18
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2 10 1

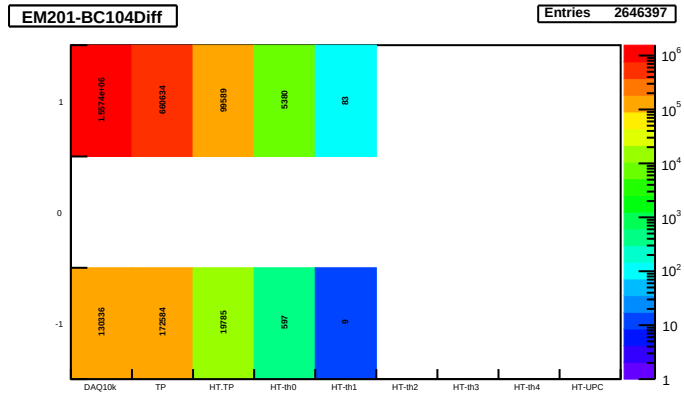

EM201-BC102
Entries 2.26624e+07
1 431652 2.33222e+06 207366 9648 111 164 32 12 356279
0 2.08539e+06 185824 2.31969e+06 2.50104e+06 2.51793e+06 2.51789e+06 2.51801e+06 2.51803e+06 2.16177e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2

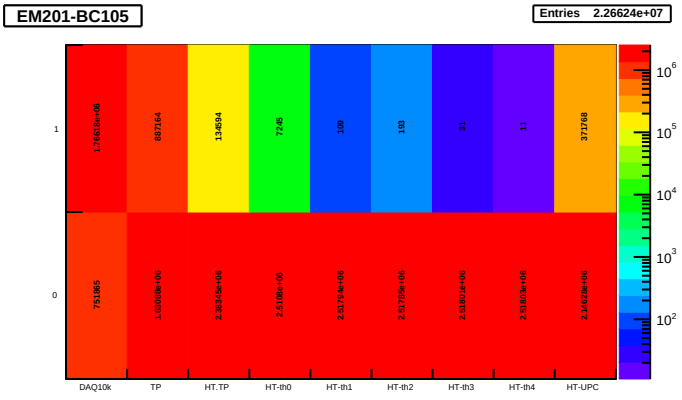

EM201-BC102Diff
Entries 2852223
1 208393 2.04043e+06 174409 8270 89
0 233693 165164 21142 612 18
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2 10 1

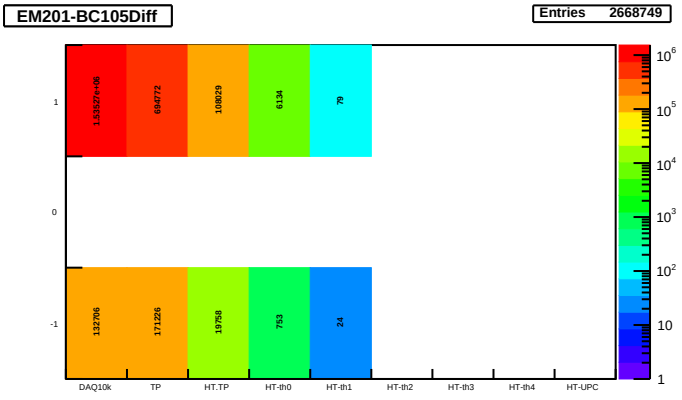

EM201-BC103
Entries 2.26624e+07
1 1.75612e+06 897995 137729 7461 96 145 29 15 377374
0 763927 1.62005e+06 2.31032e+06 2.51058e+06 2.51795e+06 2.51789e+06 2.51802e+06 2.51803e+06 2.14087e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2

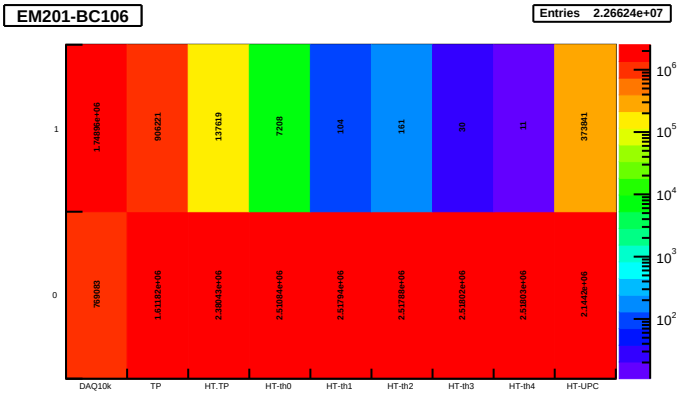

EM201-BC103Diff
Entries 2671286
1 1.52034e+06 701332 110127 6272 73
0 136572 175689 20264 607 12
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2 10 1

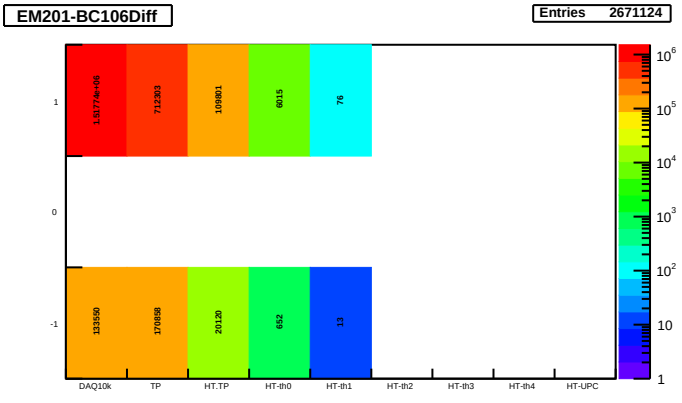

EM201-BC104
Entries 2.26624e+07
1 1.79281e+06 853792 126906 6537 111 154 21 10 373316
0 725239 1.66425e+06 2.30224e+06 2.51151e+06 2.51789e+06 2.51789e+06 2.51802e+06 2.51804e+06 2.14472e+06
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2

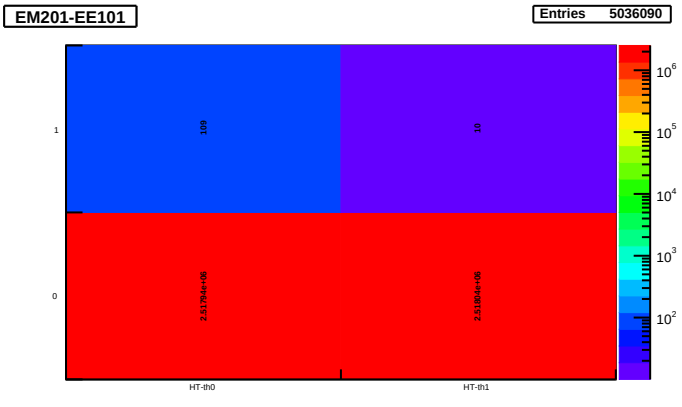

EM201-BC104Diff
Entries 2646397
1 1.5574e+06 660634 98589 5380 83
0 130336 172584 19785 597 9
DAQ10k TP HT.TP HT-th0 HT-th1 HT-th2 HT-th3 HT-th4 HT-UPC
10^6 10^5 10^4 10^3 10^2 10 1

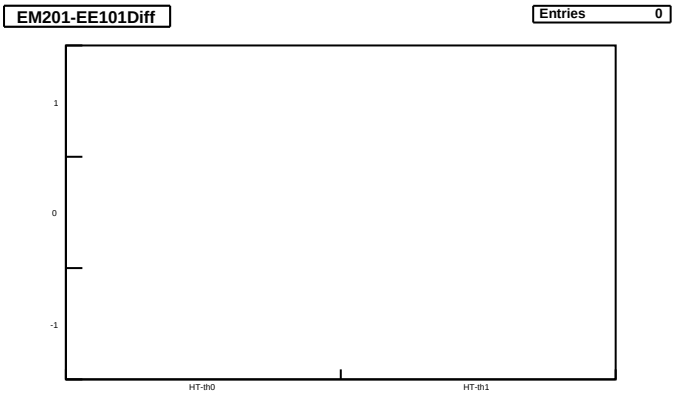

EM201-BC105
Entries 2.26624e+07
1.76519e+06
887164
134694
7245
109
193
31
11
371768
751855
1.63098e+06
2.39345e+06
2.51109e+06
2.51794e+06
2.51785e+06
2.51801e+06
2.51803e+06
2.14628e+06
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

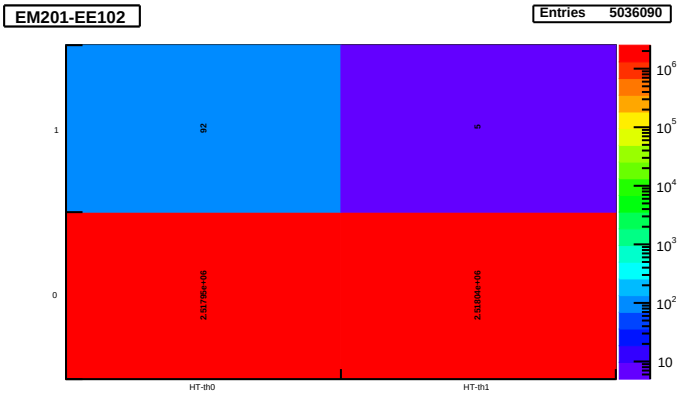

EM201-BC105Diff
Entries 2668749
1.53527e+06
694772
108829
6134
79
132706
171226
19758
753
24
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

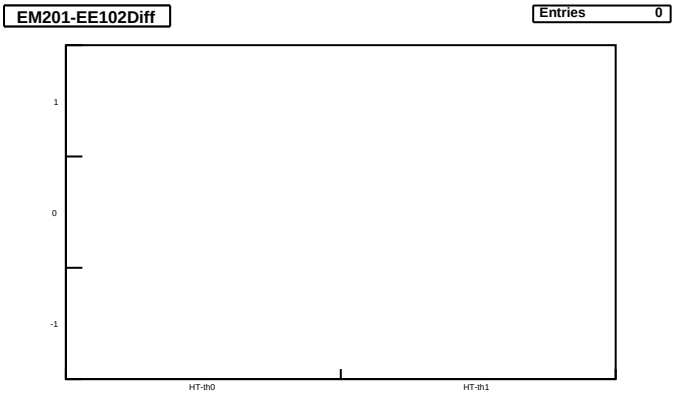

EM201-BC106
Entries 2.26624e+07
1.74086e+06
906221
137619
7208
104
161
30
11
373941
769083
1.61822e+06
2.38043e+06
2.51984e+06
2.51794e+06
2.51789e+06
2.51802e+06
2.51803e+06
2.14428e+06
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

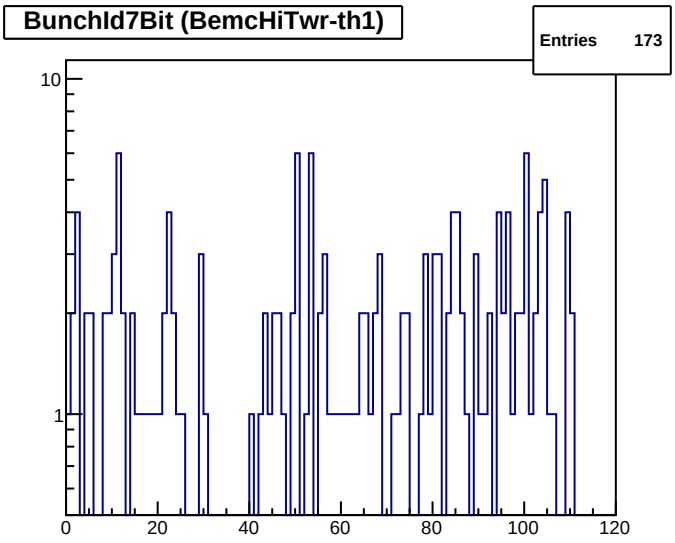

EM201-BC106Diff
Entries 2671124
1.51774e+06
712353
109801
6015
76
133550
170858
20120
652
13
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

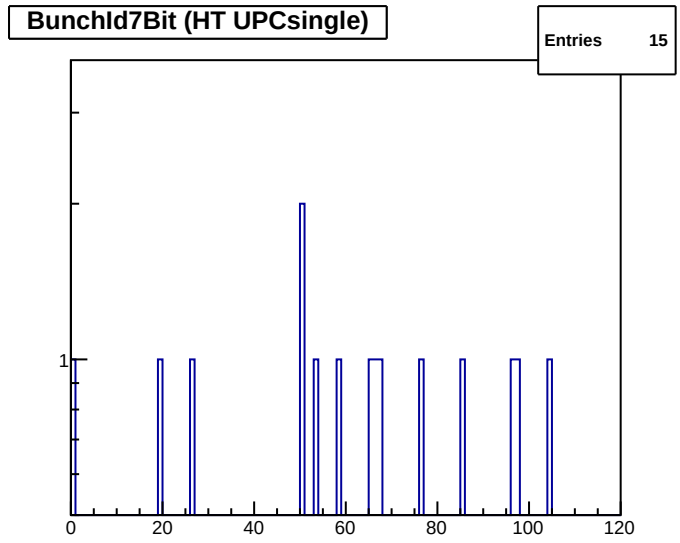

EM201-EE101
Entries 5036090
109
10
2.51794e+06
2.51804e+06
HT-th0
HT-th1

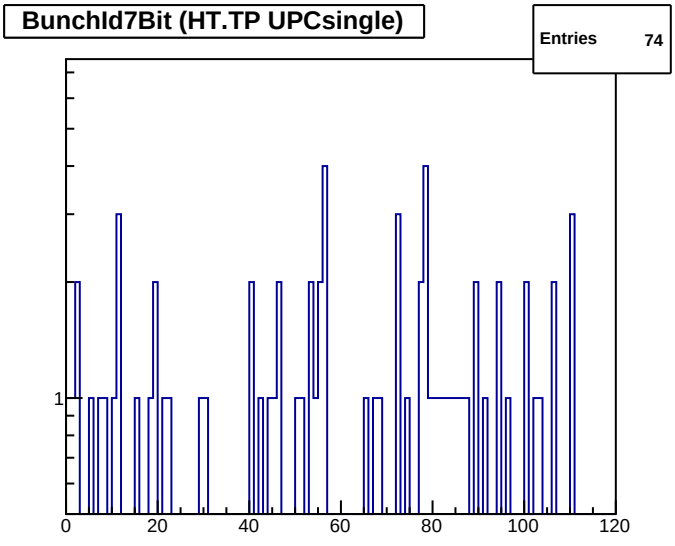

EM201-EE101Diff
Entries 0
HT-th0
HT-th1

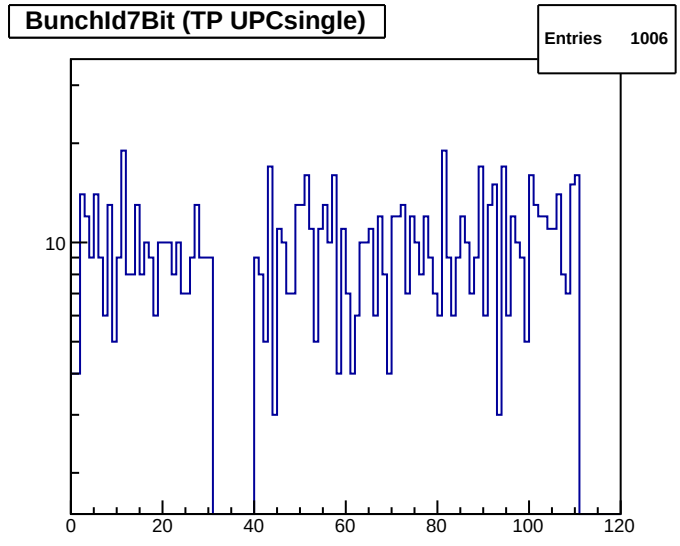

EM201-EE102
Entries 5036090
92
5
2.51795e+06
2.51804e+06
HT-th0
HT-th1

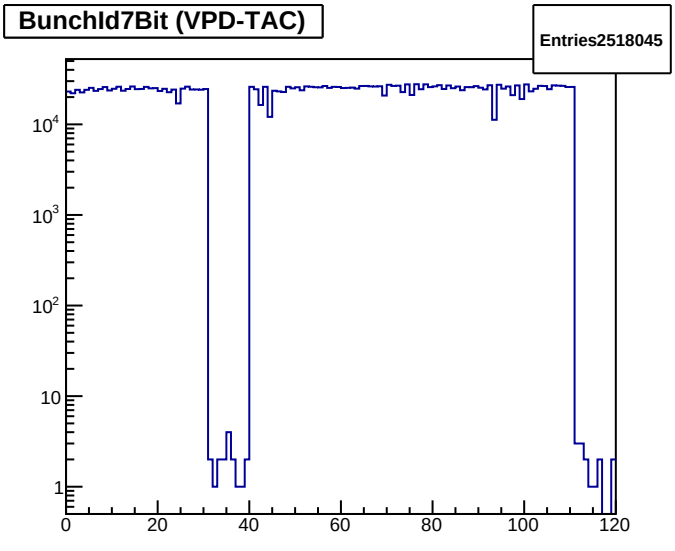

EM201-EE102Diff
Entries 0
HT-th0
HT-th1

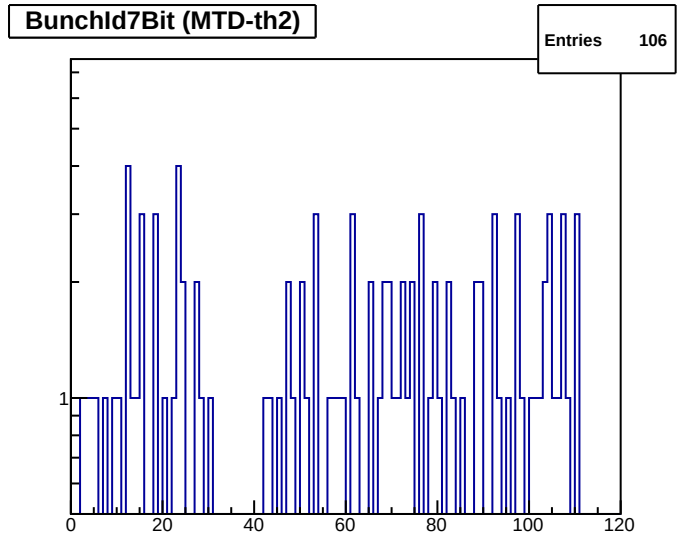

BunchId7Bit (BemcHiTwr-th1)
Entries 173
10
1
0 20 40 60 80 100 120

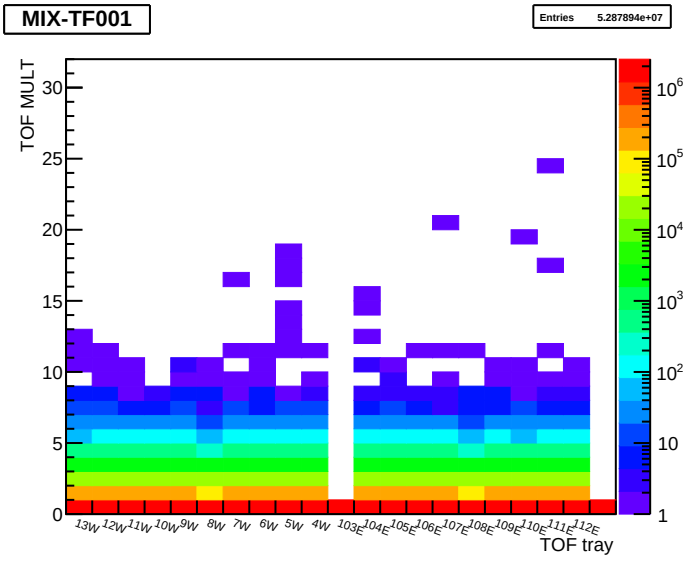

BunchId7Bit (HT UPCsingle)
Entries 15
1
0 20 40 60 80 100 120

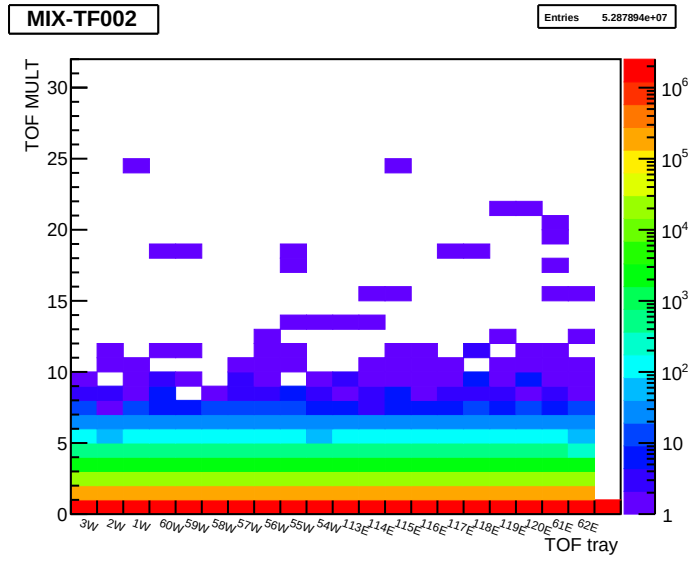

BunchId7Bit (HT.TP UPCsingle)
Entries 74
1
0 20 40 60 80 100 120

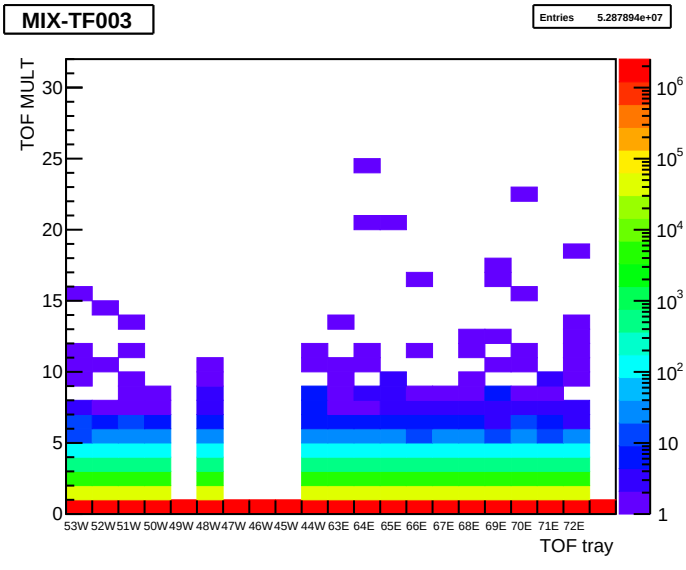

BunchId7Bit (TP UPCsingle)
Entries 1006
10
0 20 40 60 80 100 120

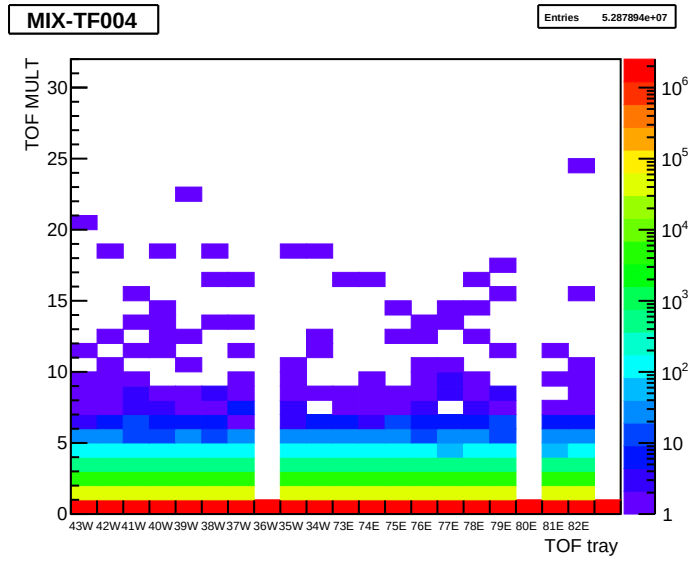

BunchId7Bit (VPD-TAC)
Entries2518045
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

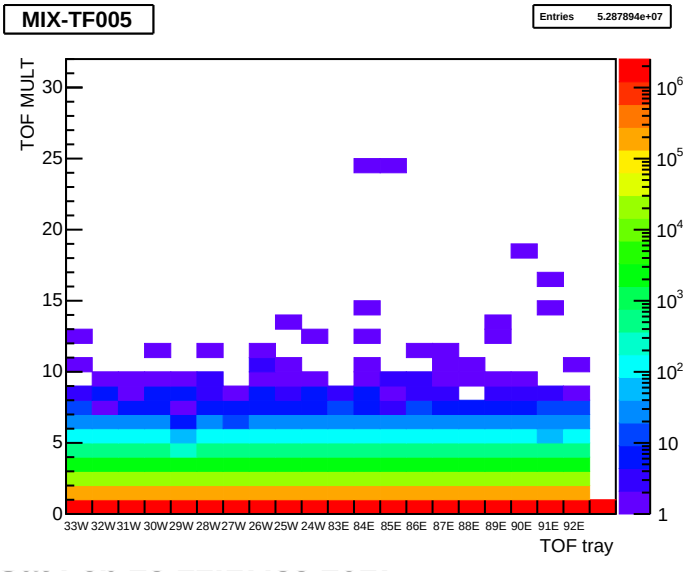

BunchId7Bit (MTD-th2)
Entries 106
1
0 20 40 60 80 100 120

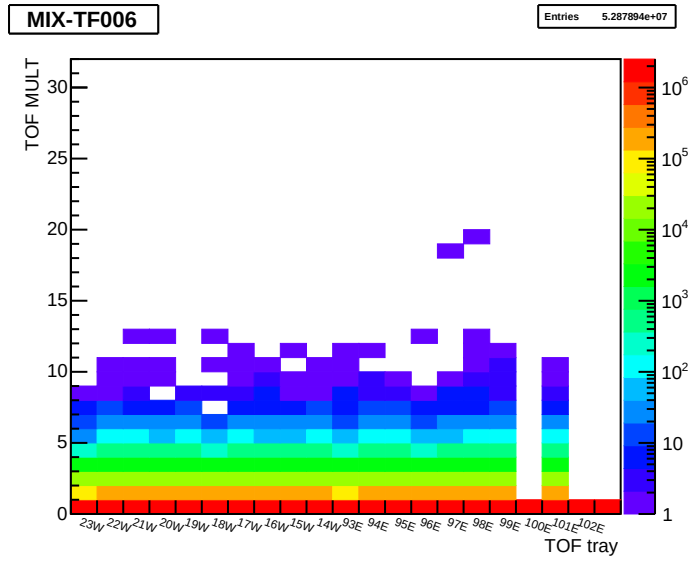

MIX-TF001
Entries 5.287894e+07
TOF MULT
TOF tray

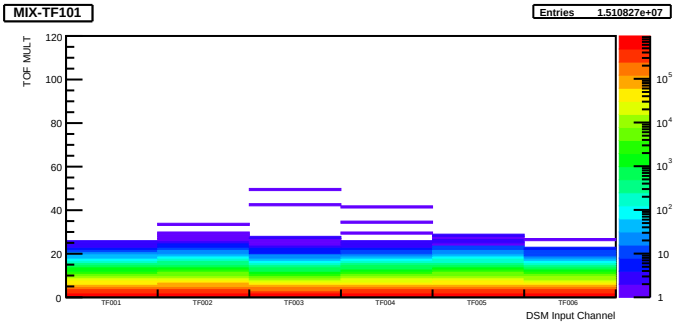

MIX-TF002
Entries 5.287894e+07
TOF MULT
TOF tray

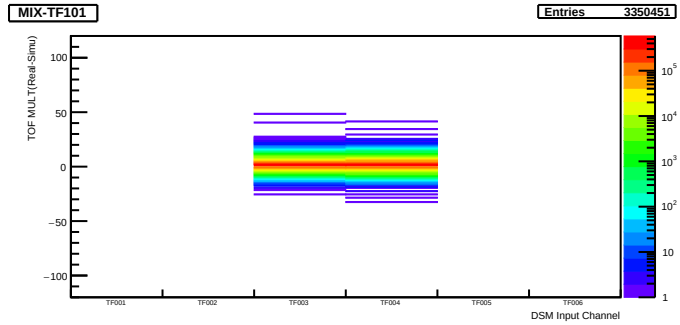

MIX-TF003
Entries 5.287894e+07
TOF MULT
TOF tray

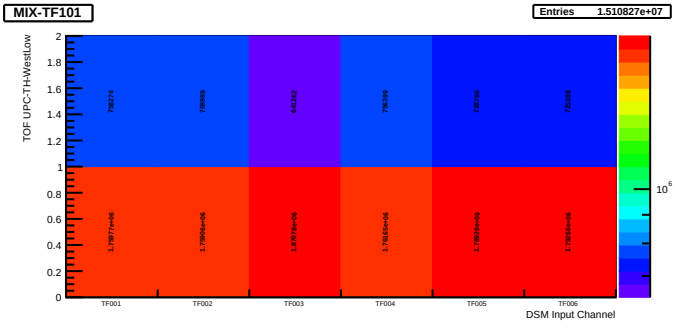

MIX-TF004
Entries 5.287894e+07
TOF MULT
TOF tray

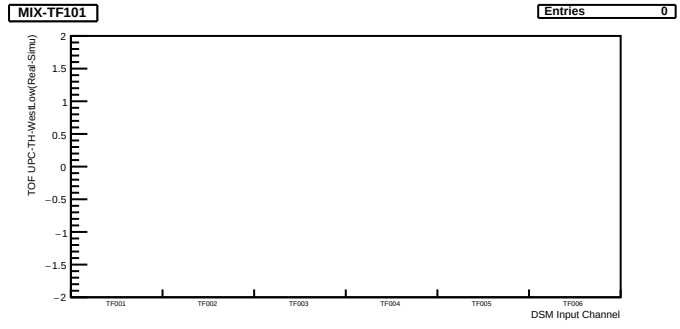

MIX-TF005
Entries 5.287894e+07
TOF MULT
TOF tray

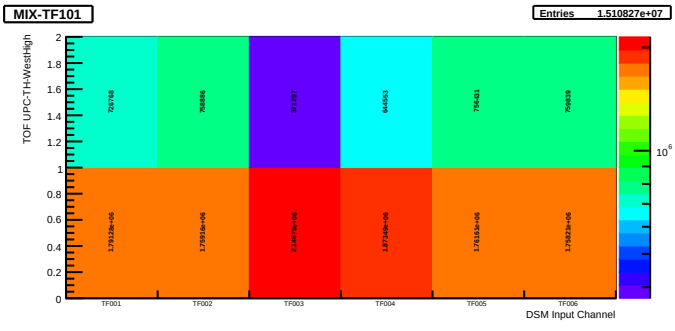

MIX-TF006
Entries 5.287894e+07
TOF MULT
TOF tray

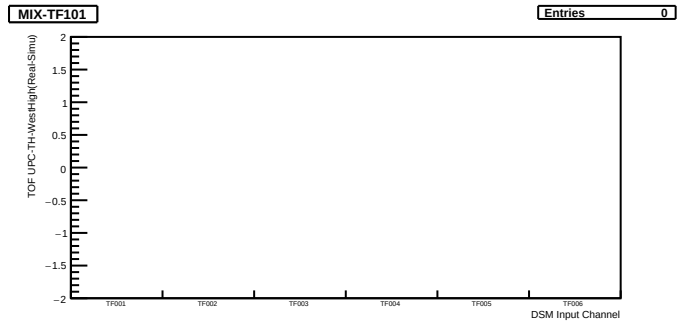

MIX-TF101
Entries 1.510827e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

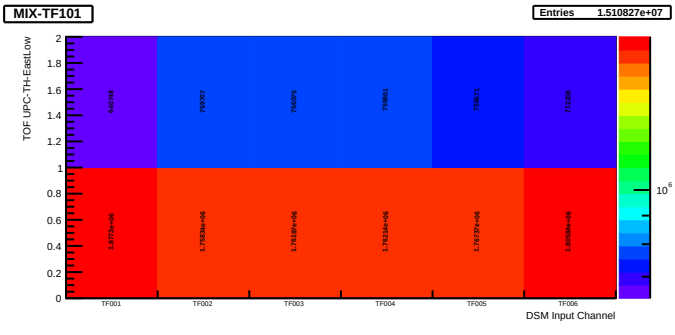

MIX-TF101
Entries 3350451
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

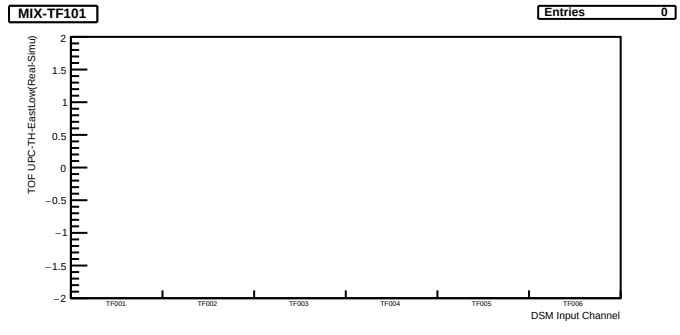

MIX-TF101
Entries 1.510827e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

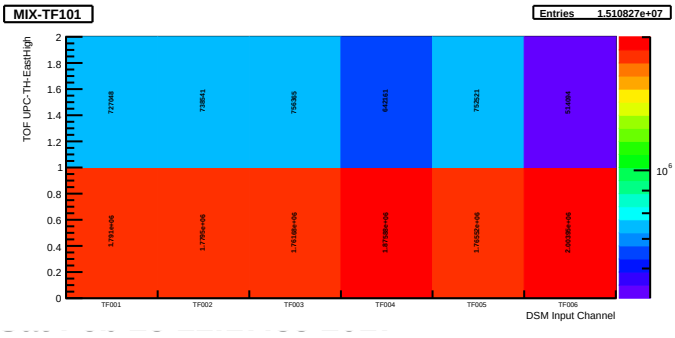

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

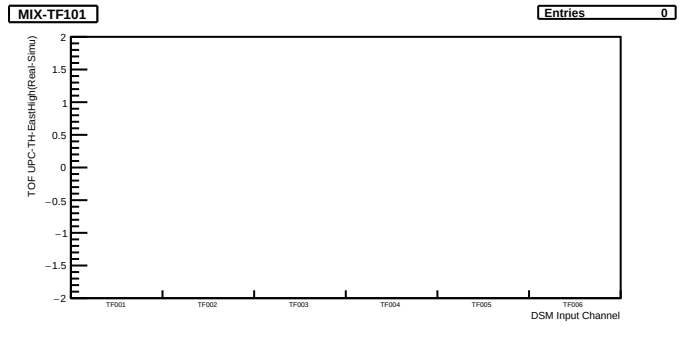

MIX-TF101
Entries 1.510827e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

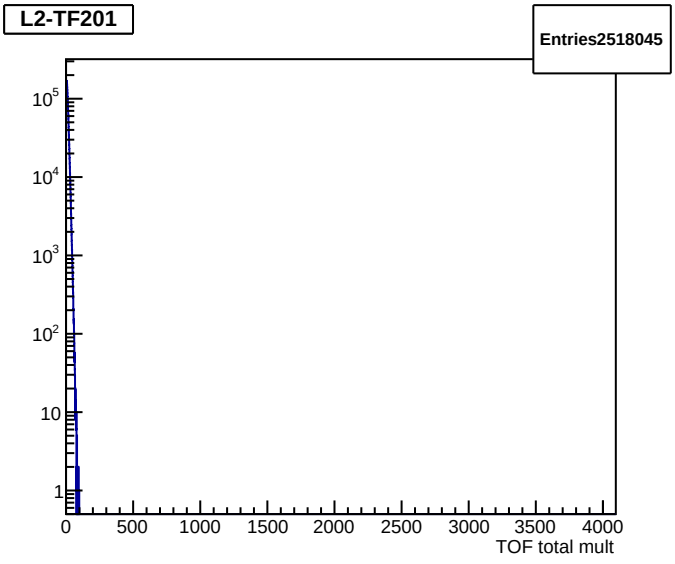

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

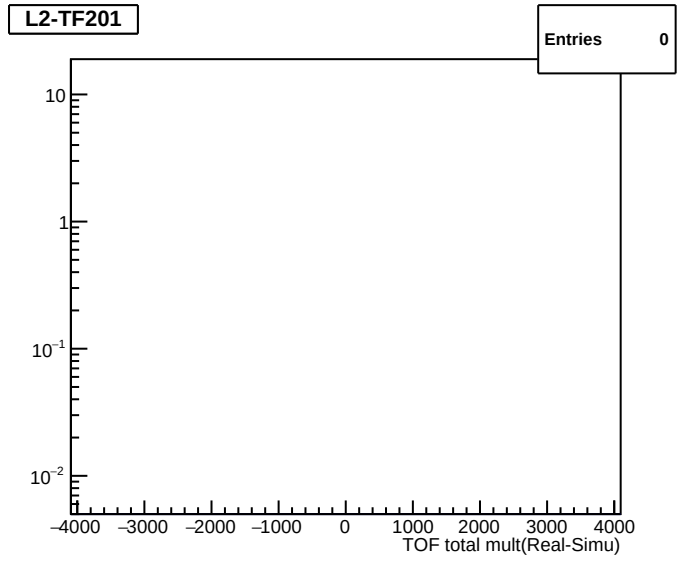

MIX-TF101
Entries 1.510827e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

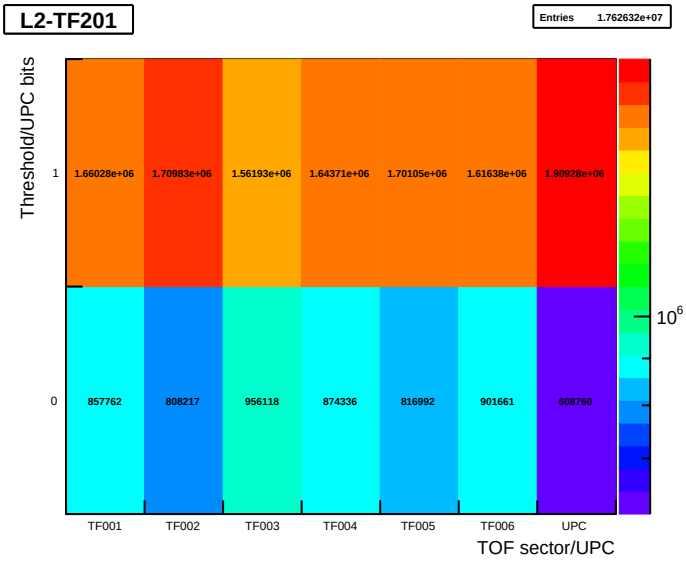

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

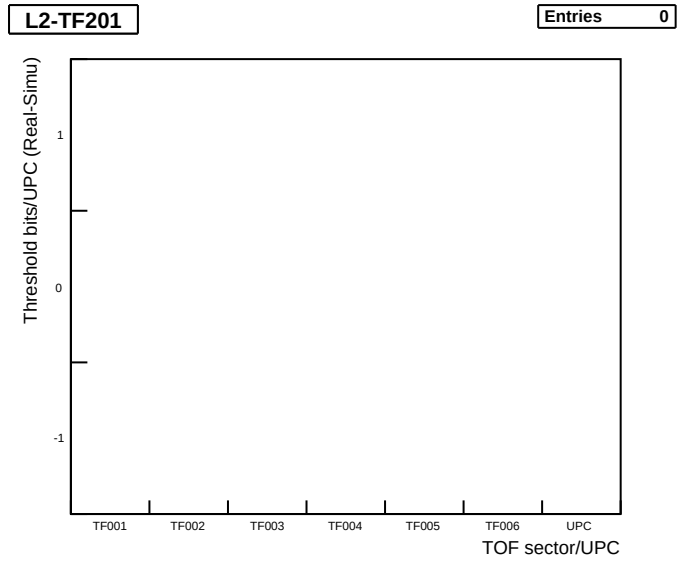

MIX-TF101
Entries 1.510827e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

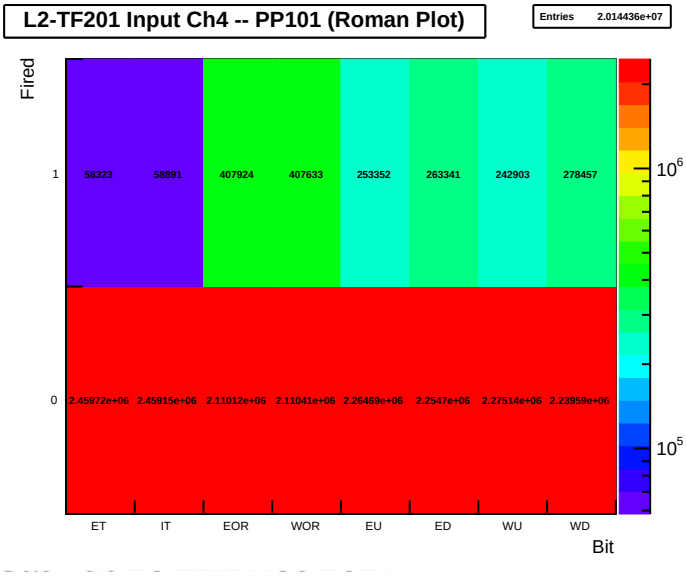

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

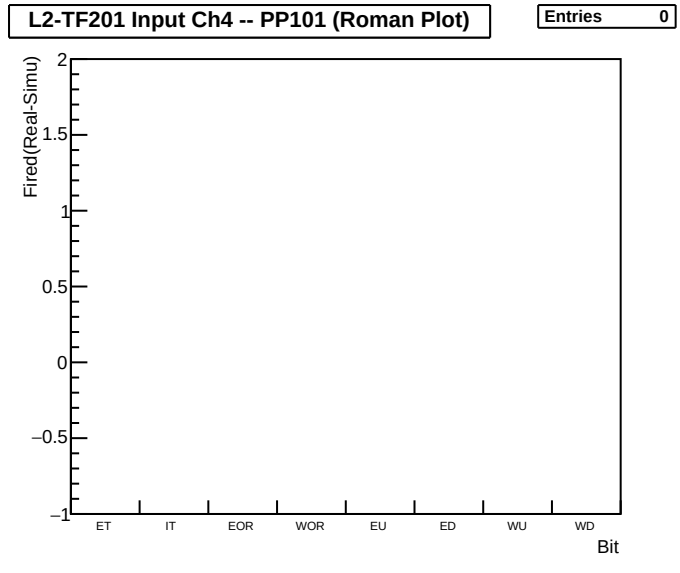

L2-TF201
Entries2518045
TOF total mult

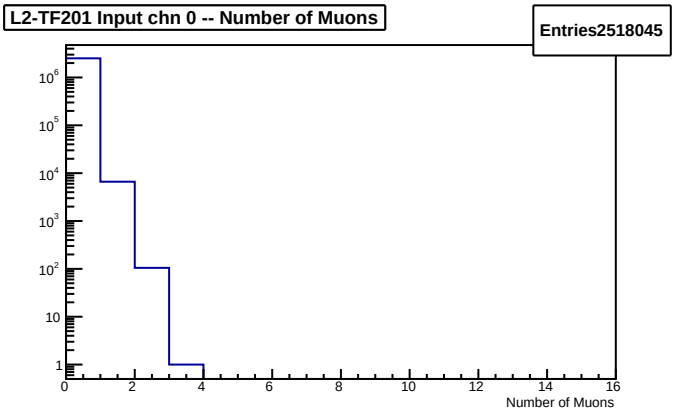

L2-TF201
Entries 0
TOF total mult(Real-Simu)

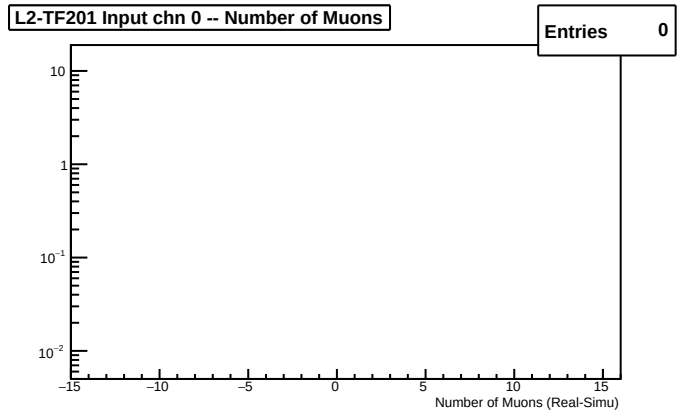

L2-TF201
Entries 1.762632e+07
Threshold/UPC bits
1.66028e+06
1.70983e+06
1.56193e+06
1.64371e+06
1.70105e+06
1.61638e+06
1.90928e+06
857762
808217
956118
874336
816992
901661
608760
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

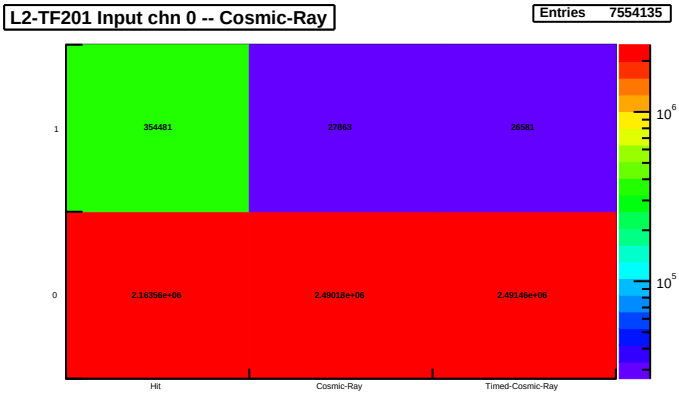

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

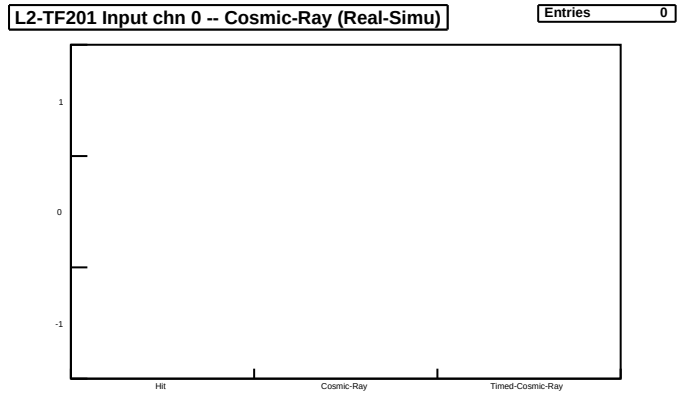

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 2.014436e+07
Fired
58323
58891
407924
407633
253352
263341
242903
278457
2.45972e+06
2.45915e+06
2.11012e+06
2.11041e+06
2.26469e+06
2.2547e+06
2.27514e+06
2.23959e+06
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

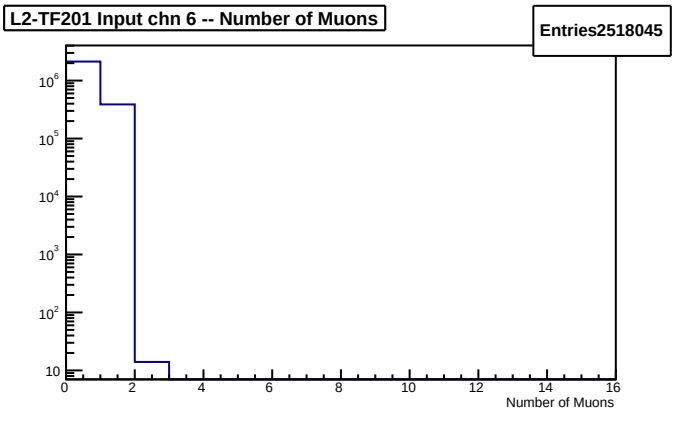

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

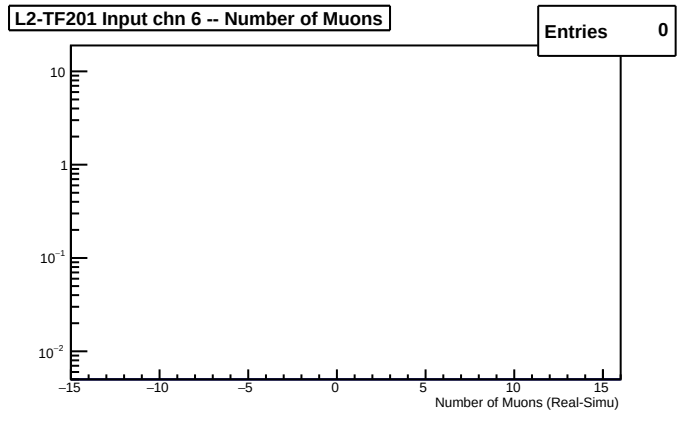

L2-TF201 Input chn 0 -- Number of Muons
Entries2518045
Number of Muons

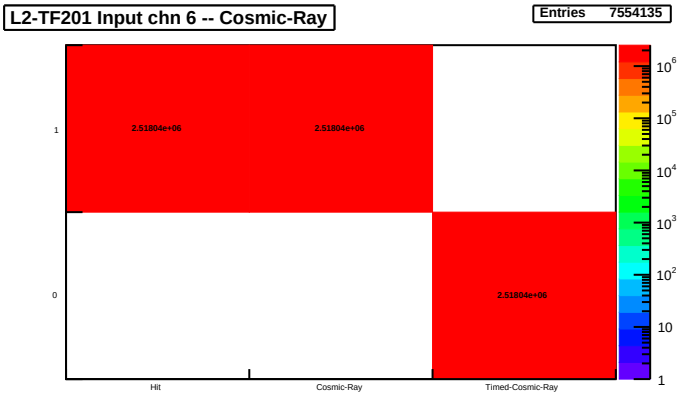

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

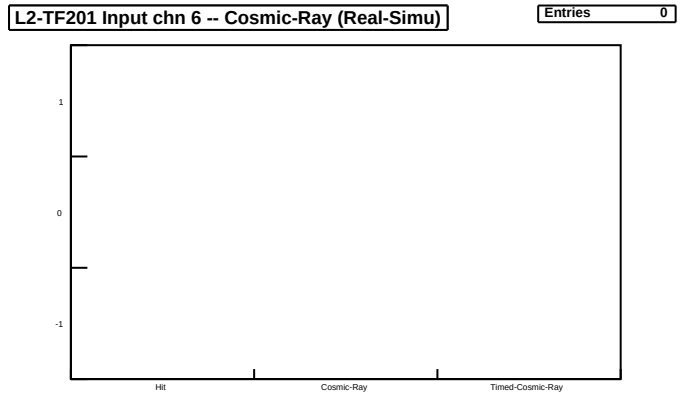

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 7554135
354481
27863
26581
2.16356e+06
2.49018e+06
2.49146e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

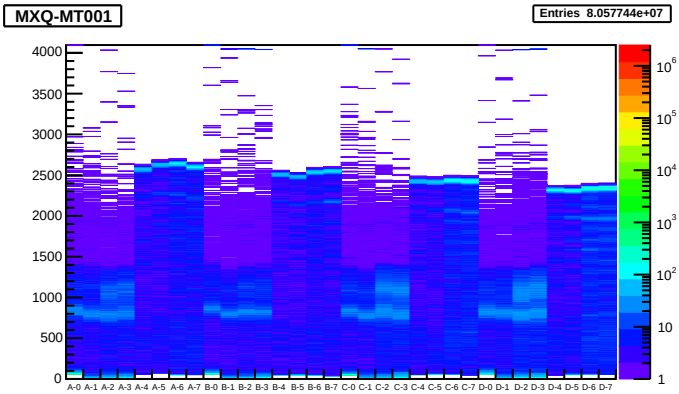

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

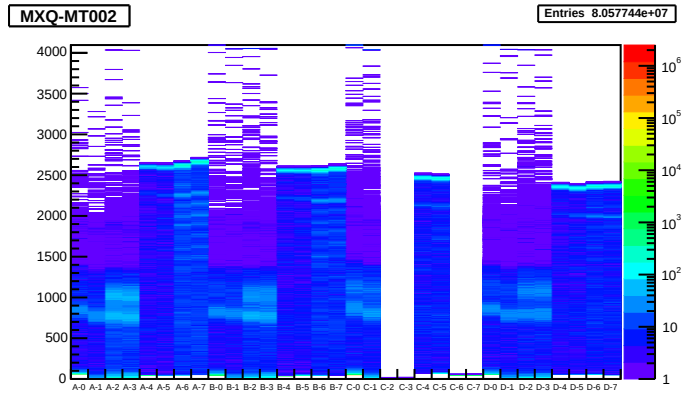

L2-TF201 Input chn 6 -- Number of Muons
Entries2518045
Number of Muons

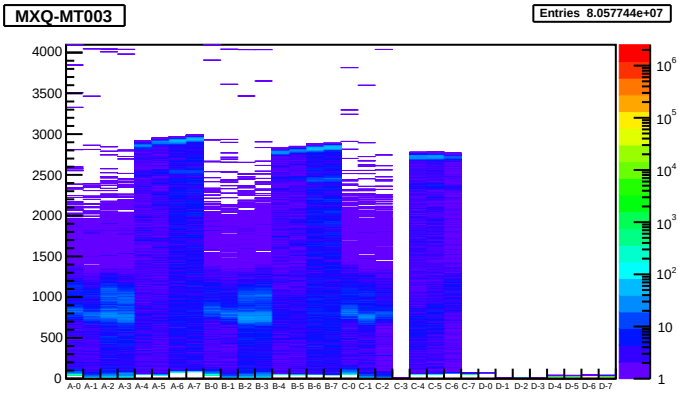

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

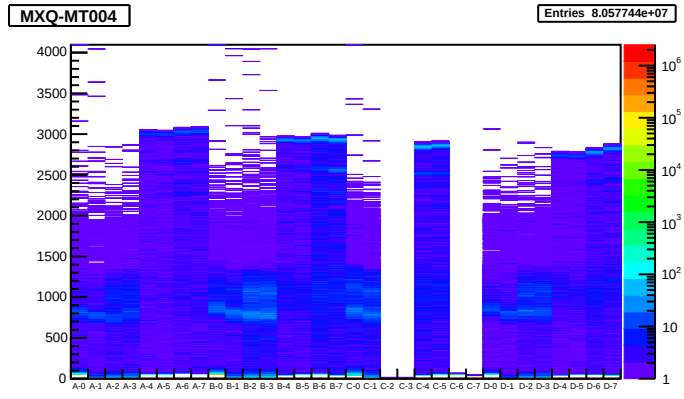

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 7554135
2.51804e+06
2.51804e+06
2.51804e+06
Hit
Cosmic-Ray
Timed-Cosmic-Ray

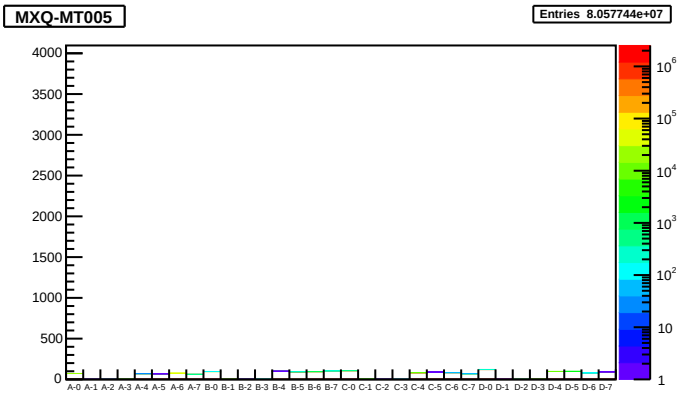

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

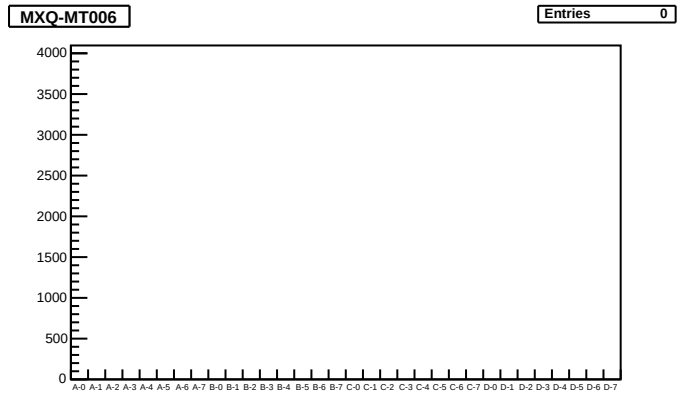

MXQ-MT001
Entries 8.057744e+07

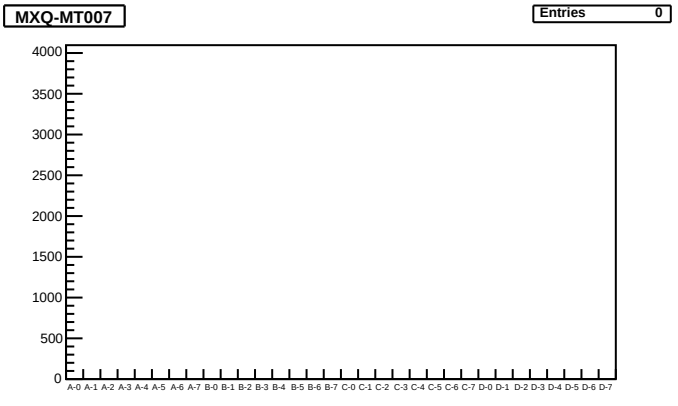

MXQ-MT002
Entries 8.057744e+07

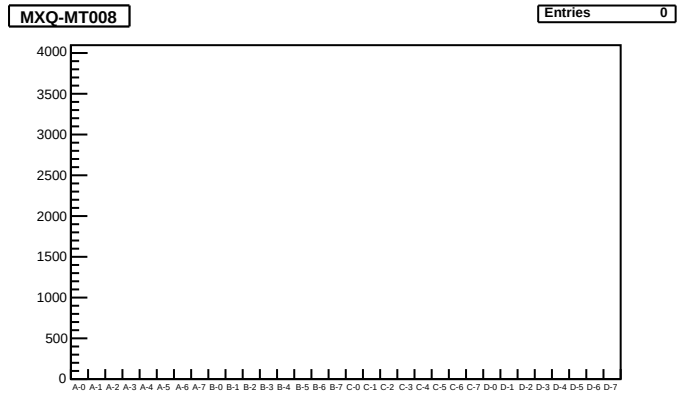

MXQ-MT003
Entries 8.057744e+07

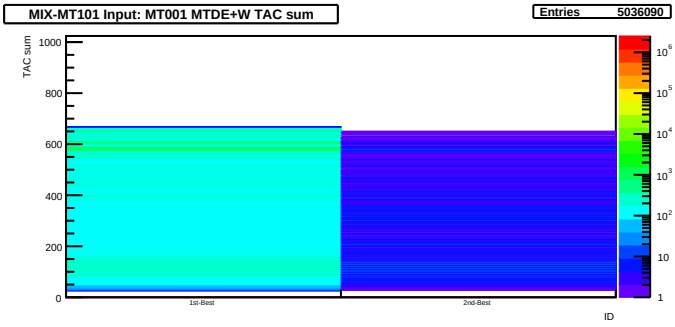

MXQ-MT004
Entries 8.057744e+07

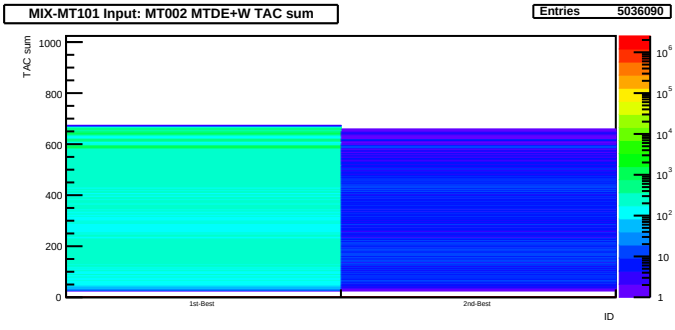

MXQ-MT005
Entries 8.057744e+07

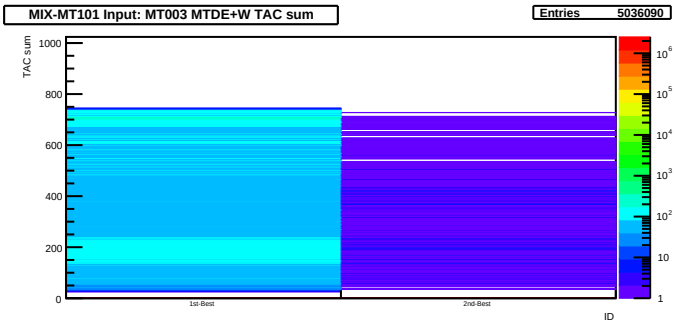

MXQ-MT006
Entries 0

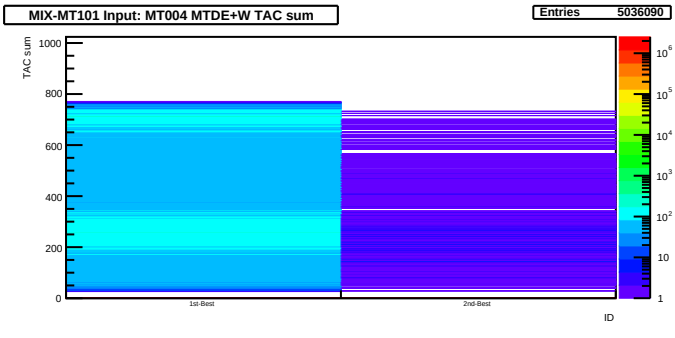

MXQ-MT007
Entries 0

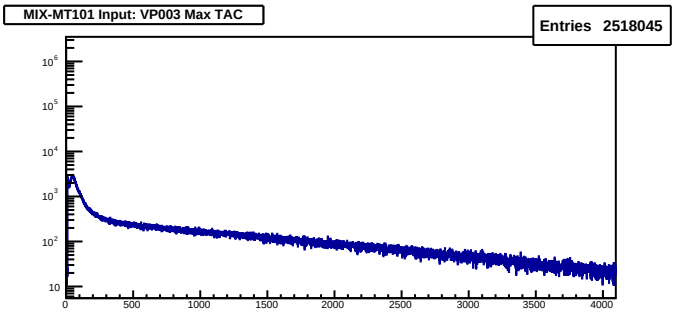

MXQ-MT008
Entries 0

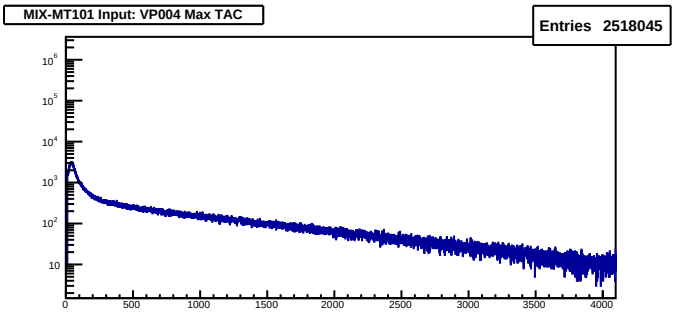

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID

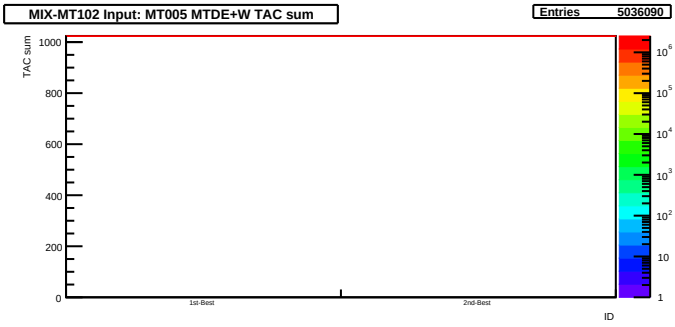

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID

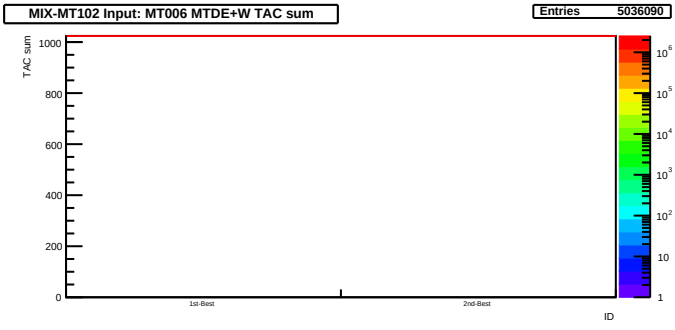

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID

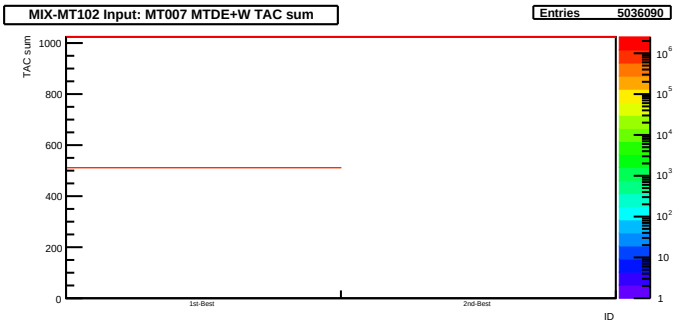

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID

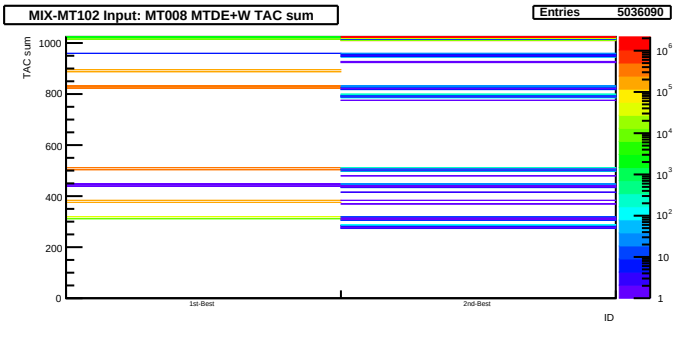

MIX-MT101 Input: VP003 Max TAC
Entries 2518045

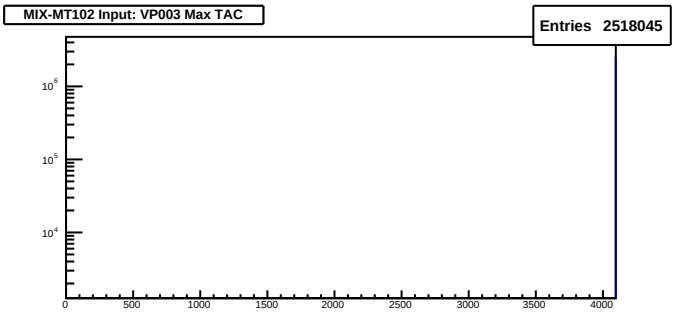

MIX-MT101 Input: VP004 Max TAC
Entries 2518045

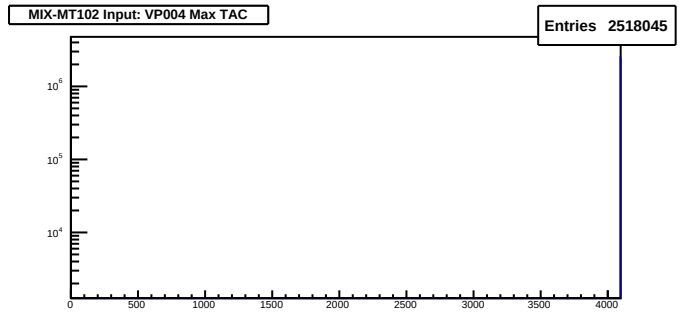

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID

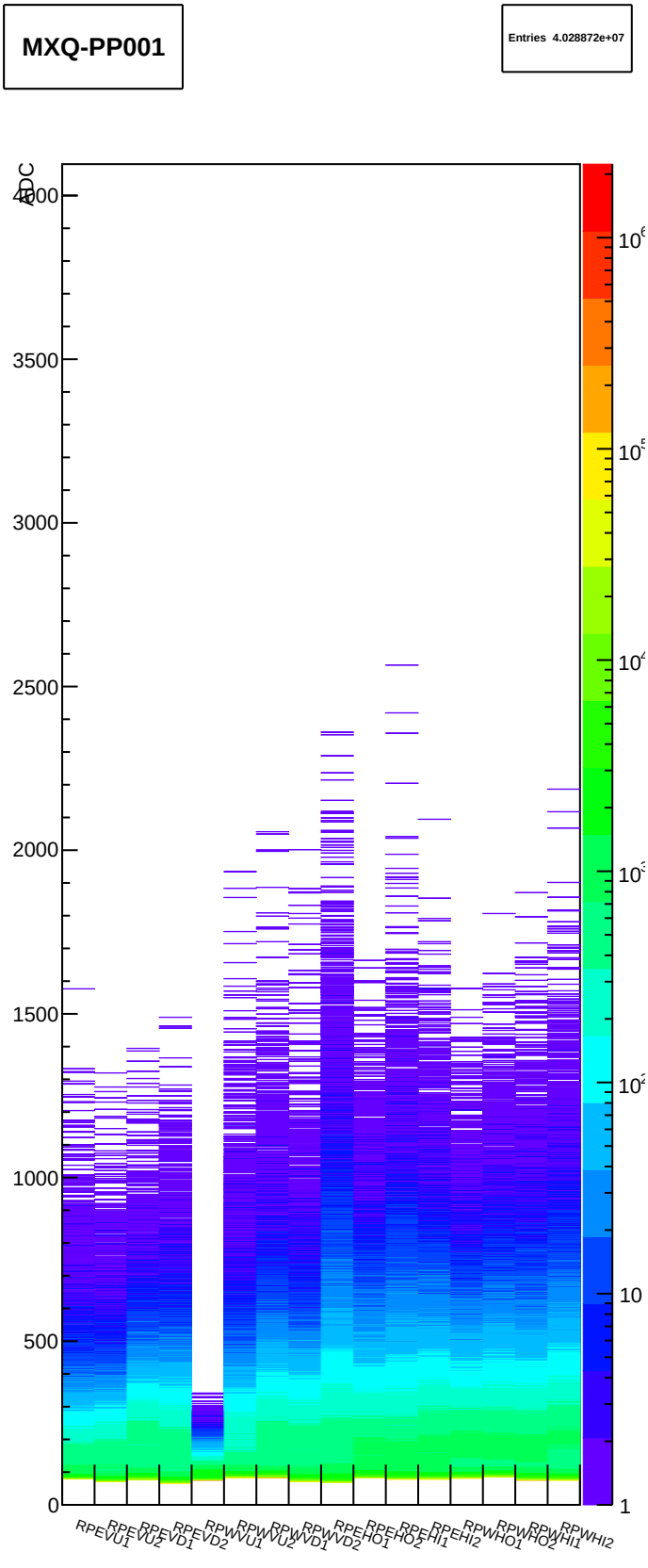

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID

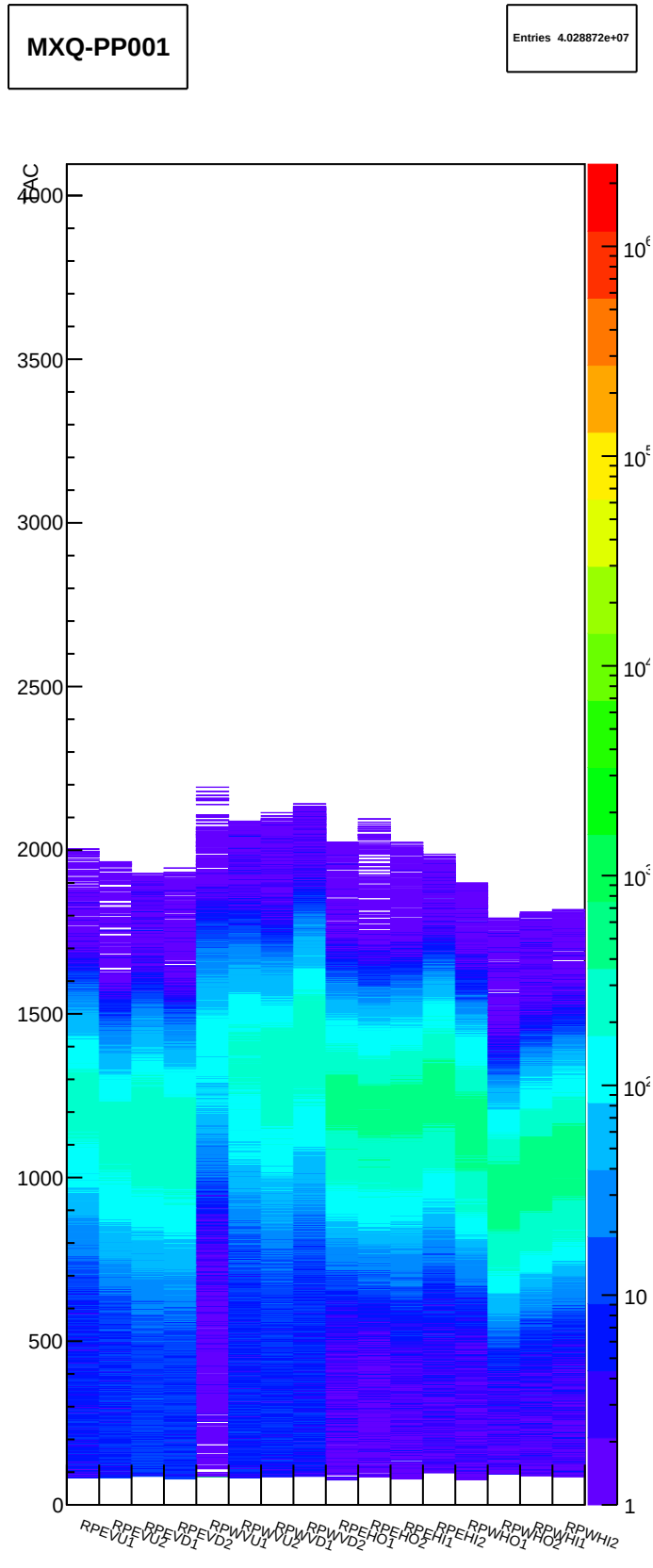

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID


MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 5036090
TAC sum
1st-Best
2nd-Best
ID


MIX-MT102 Input: VP003 Max TAC
Entries 2518045


MIX-MT102 Input: VP004 Max TAC
Entries 2518045


MXQ-PP001
Entries 4.028872e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10^6
10^5
10^4
10^3
10^2
10
1


MXQ-PP001
Entries 4.028872e+07
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
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RPWHO2
RPWHI1
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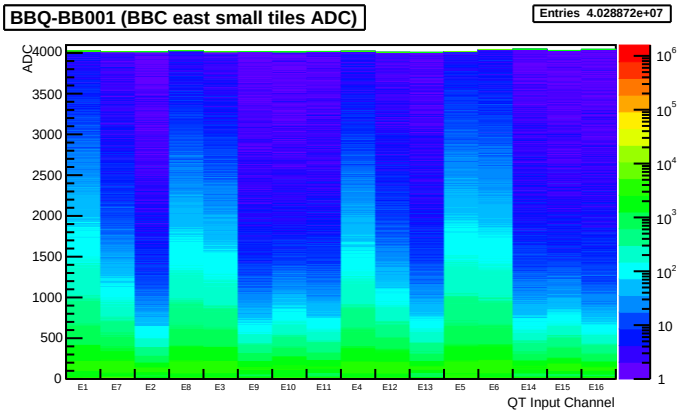
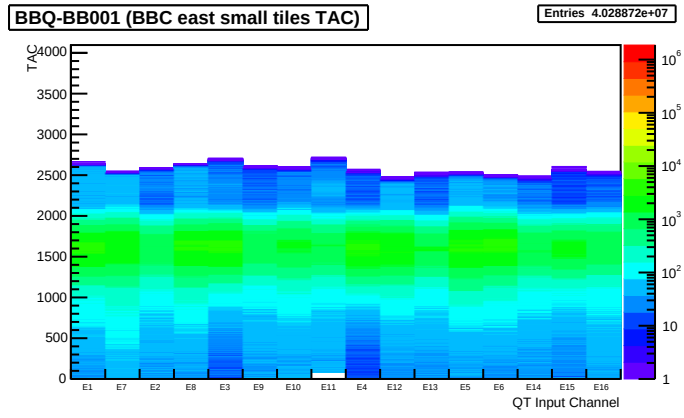
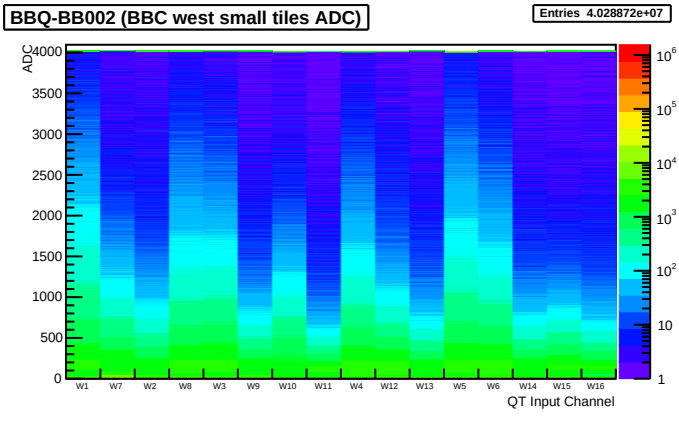
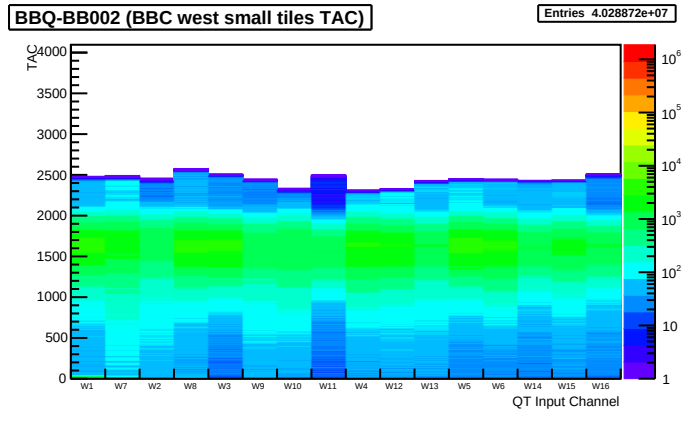
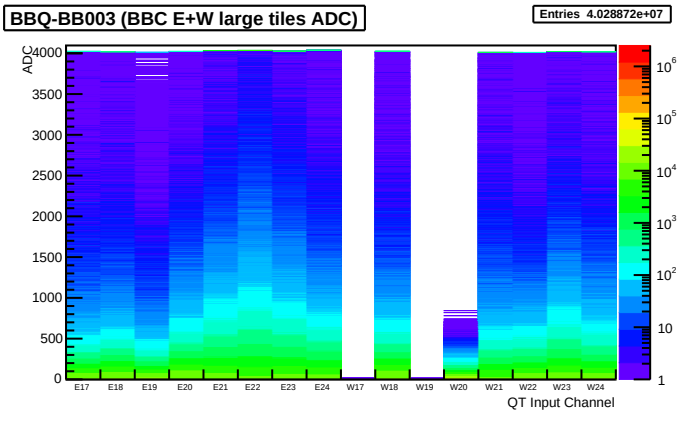
10^6
10^5
10^4
10^3
10^2
10
1

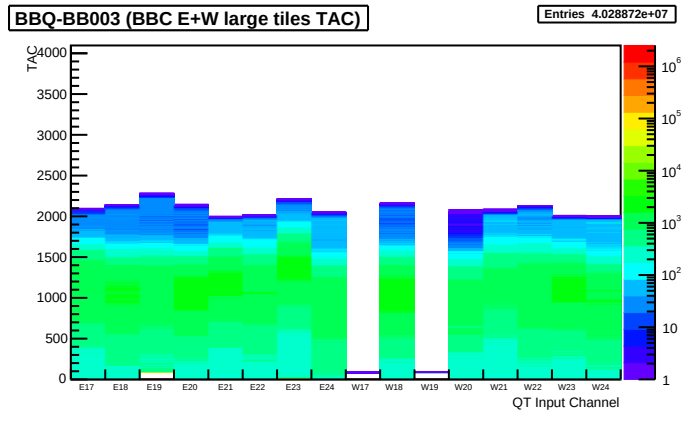

BBQ-BB001 (BBC east small tiles ADC)
Entries 4.028872e+07
ADC
QT Input Channel

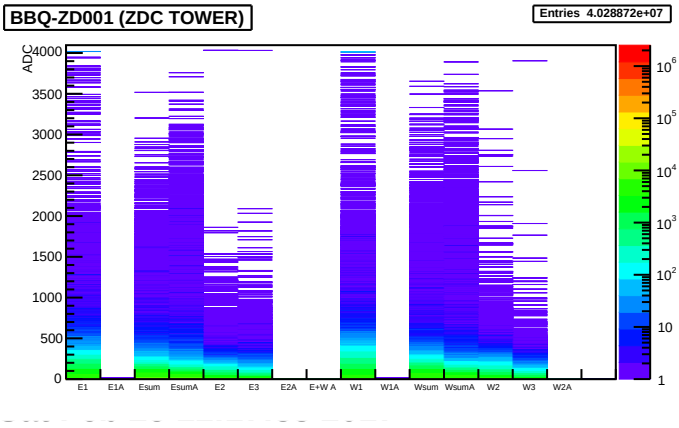

BBQ-BB001 (BBC east small tiles TAC)
Entries 4.028872e+07
TAC
QT Input Channel

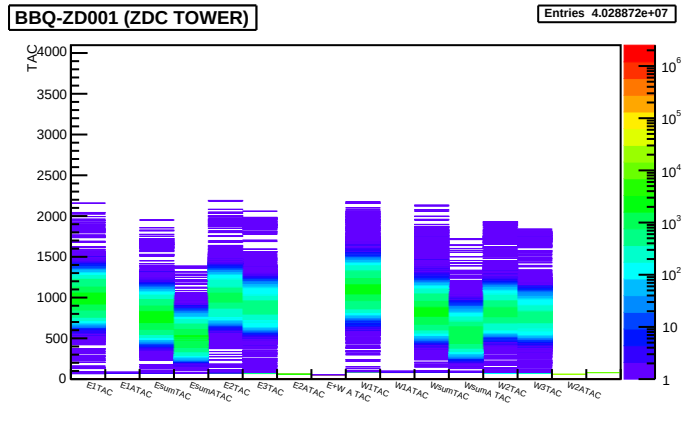

BBQ-BB002 (BBC west small tiles ADC)
Entries 4.028872e+07
ADC
QT Input Channel

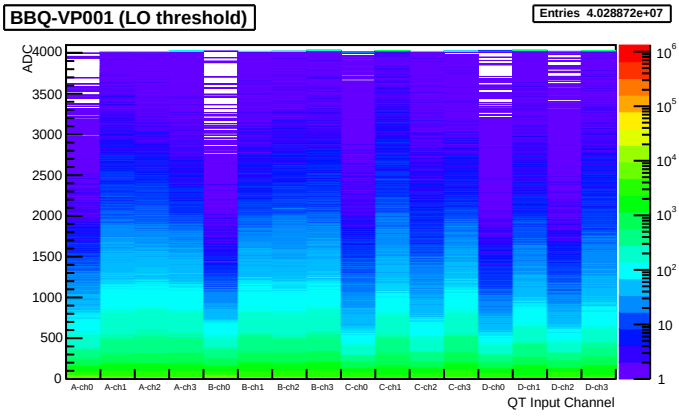

BBQ-BB002 (BBC west small tiles TAC)
Entries 4.028872e+07
TAC
QT Input Channel

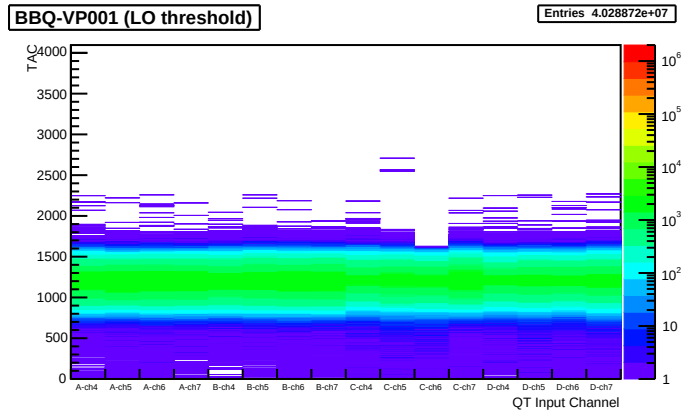

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 4.028872e+07
ADC
QT Input Channel

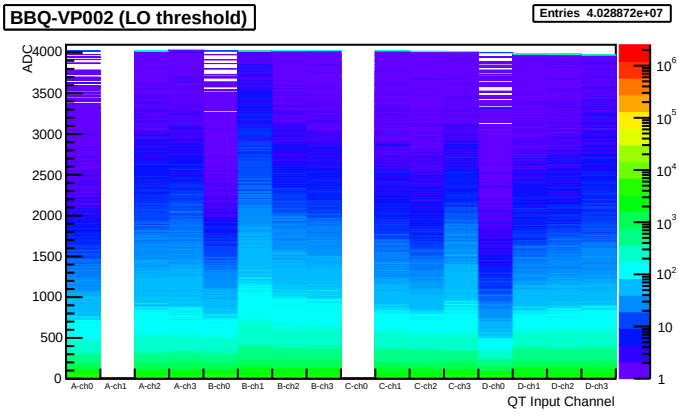

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 4.028872e+07
TAC
QT Input Channel

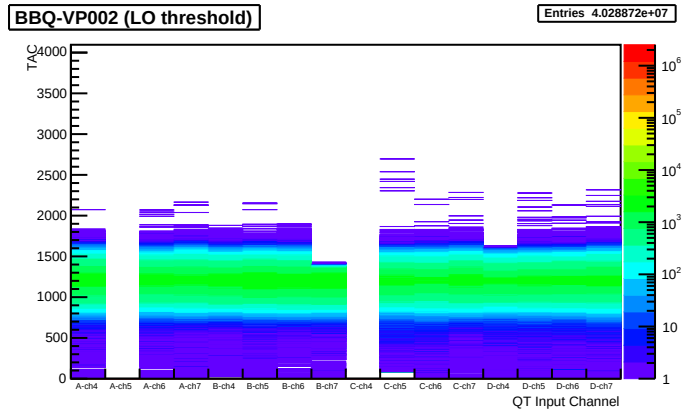

BBQ-ZD001 (ZDC TOWER)
Entries 4.028872e+07
ADC

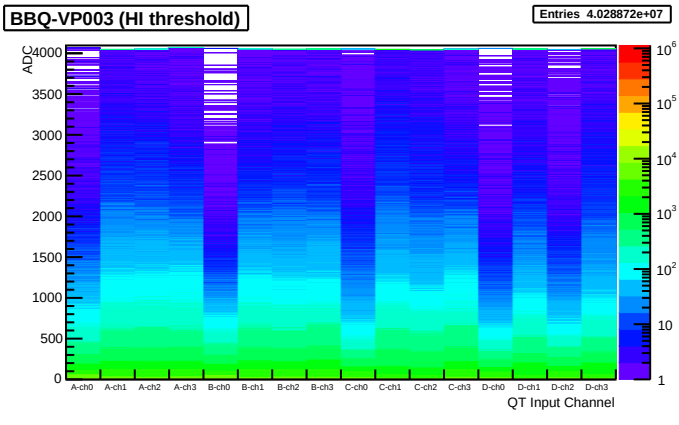

BBQ-ZD001 (ZDC TOWER)
Entries 4.028872e+07
TAC

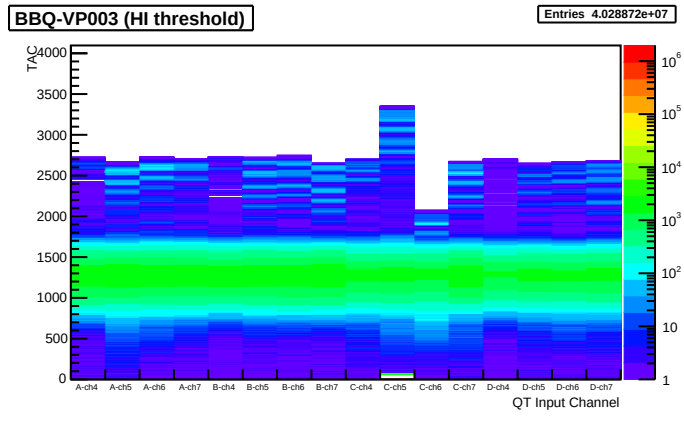

BBQ-VP001 (LO threshold)
Entries 4.028872e+07
ADC
QT Input Channel

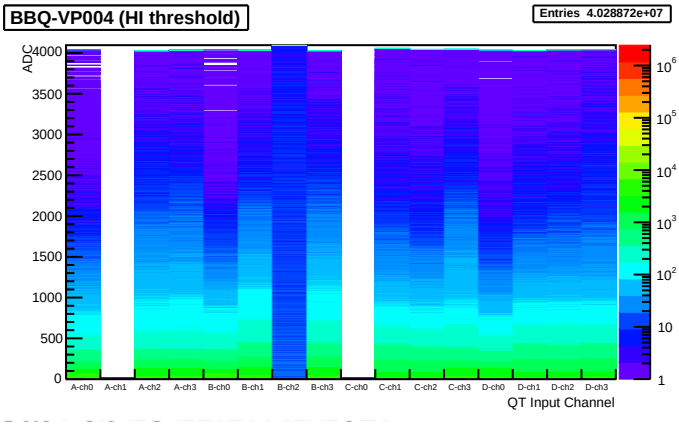

BBQ-VP001 (LO threshold)
Entries 4.028872e+07
TAC
QT Input Channel

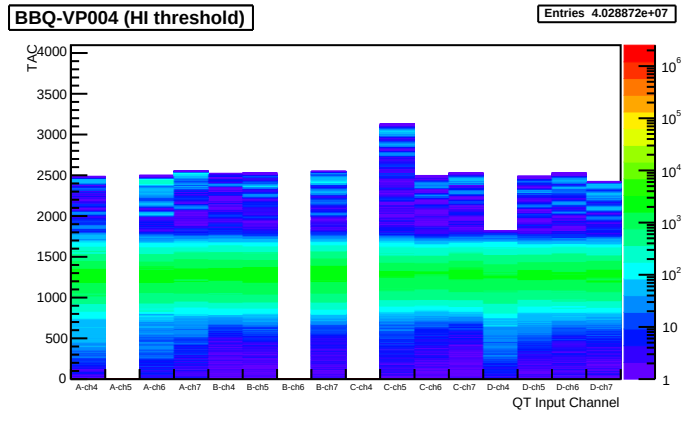

BBQ-VP002 (LO threshold)
Entries 4.028872e+07
ADC
QT Input Channel

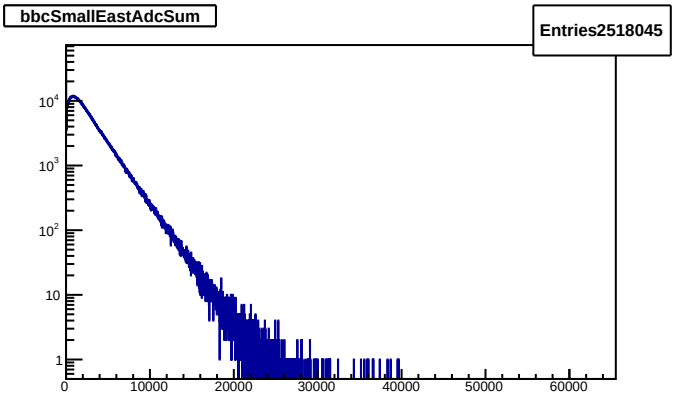

BBQ-VP002 (LO threshold)
Entries 4.028872e+07
TAC
QT Input Channel

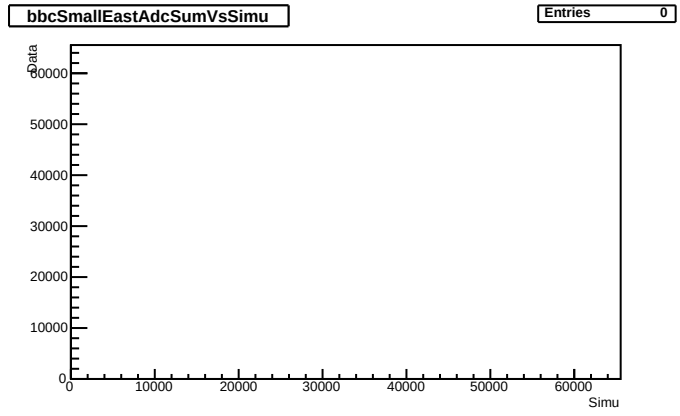

BBQ-VP003 (HI threshold)
Entries 4.028872e+07
ADC
QT Input Channel

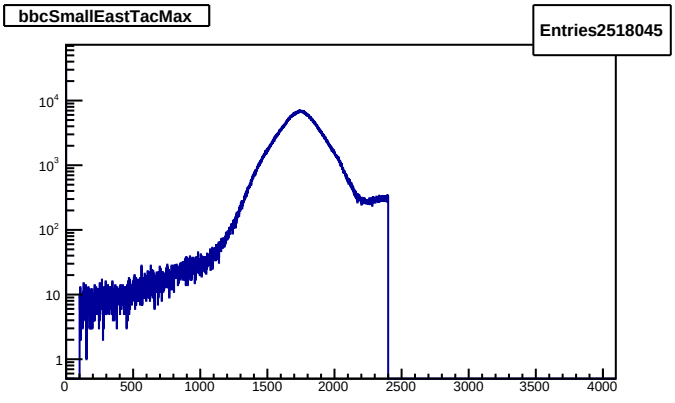

BBQ-VP003 (HI threshold)
Entries 4.028872e+07
TAC
QT Input Channel

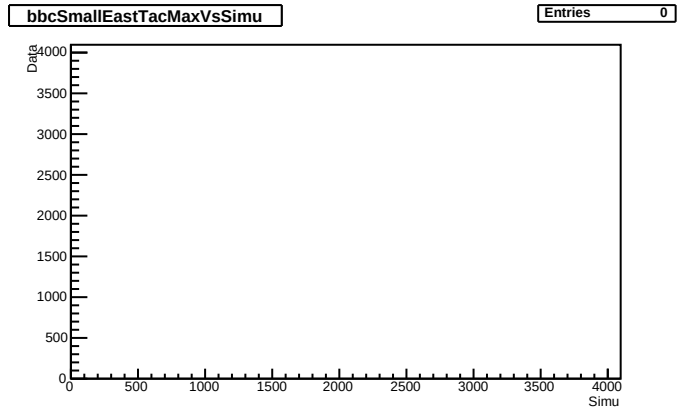

BBQ-VP004 (HI threshold)
Entries 4.028872e+07
ADC
QT Input Channel

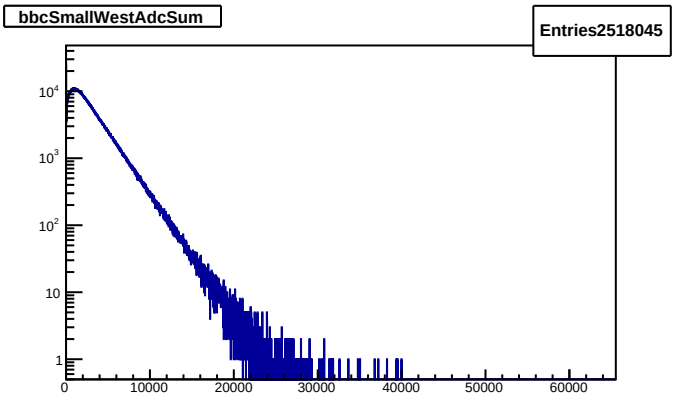

BBQ-VP004 (HI threshold)
Entries 4.028872e+07
TAC
QT Input Channel

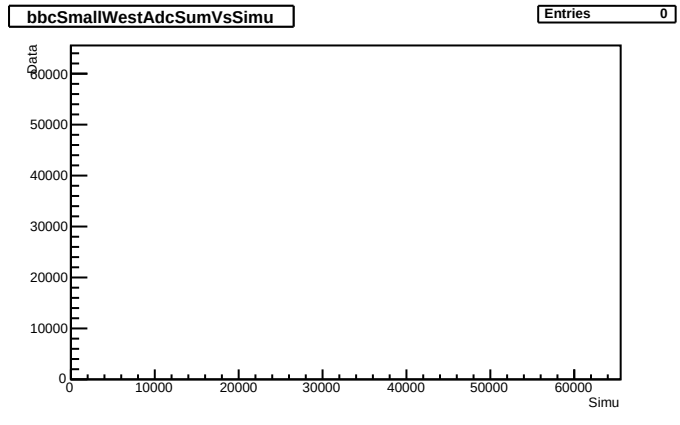

bbcSmallEastAdcSum
Entries2518045

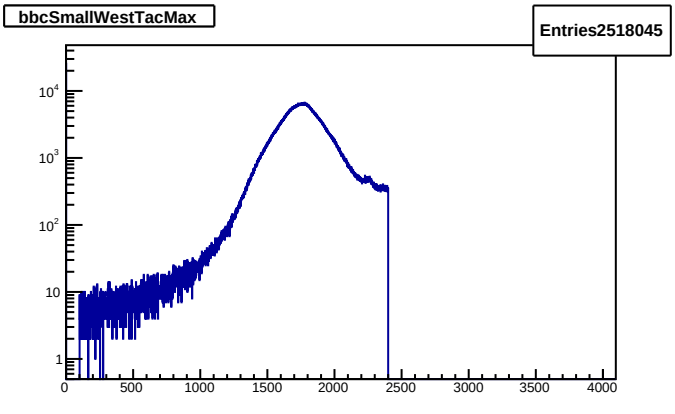

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

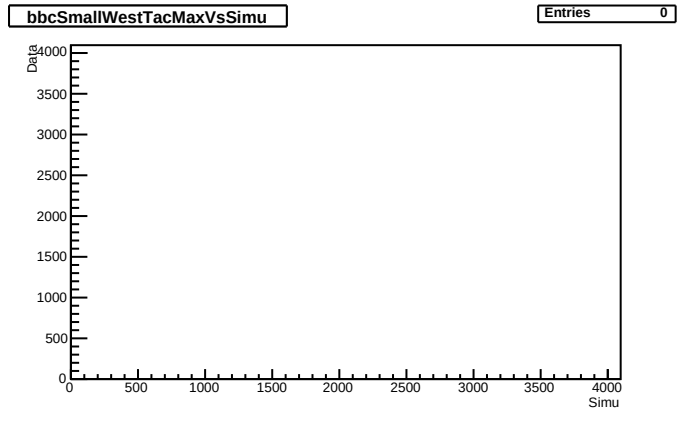

bbcSmallEastTacMax
Entries2518045

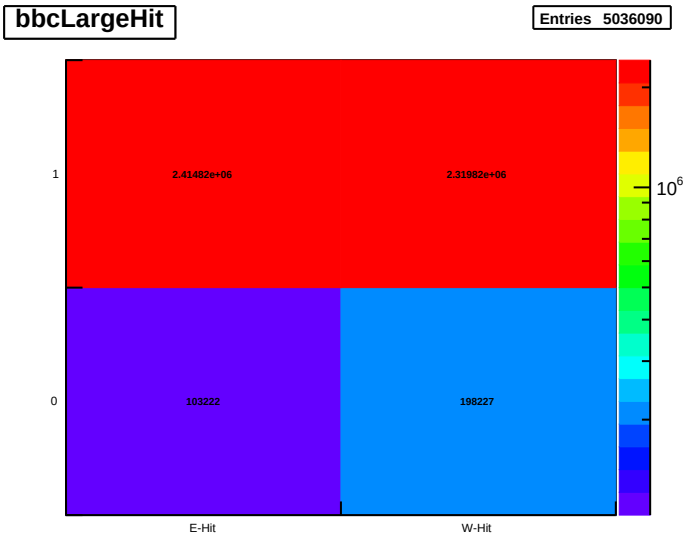

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

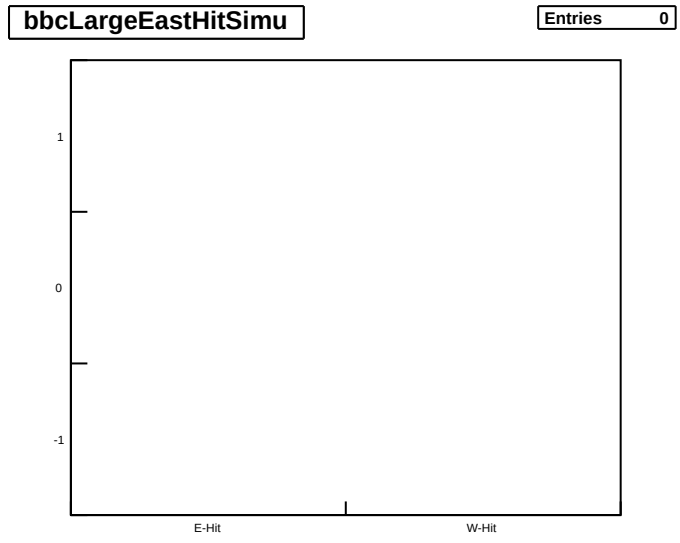

bbcSmallWestAdcSum
Entries2518045

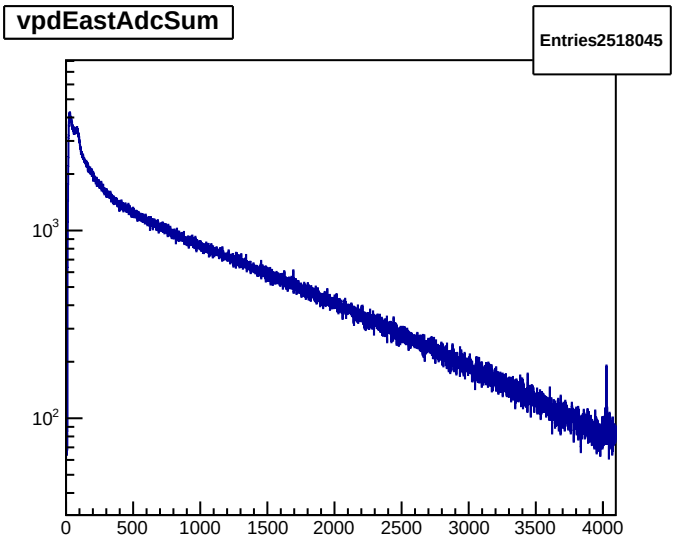

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

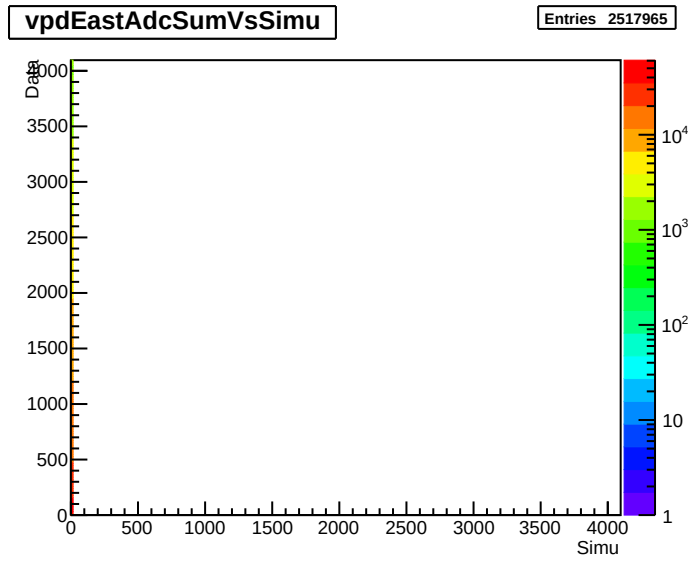

bbcSmallWestTacMax
Entries2518045

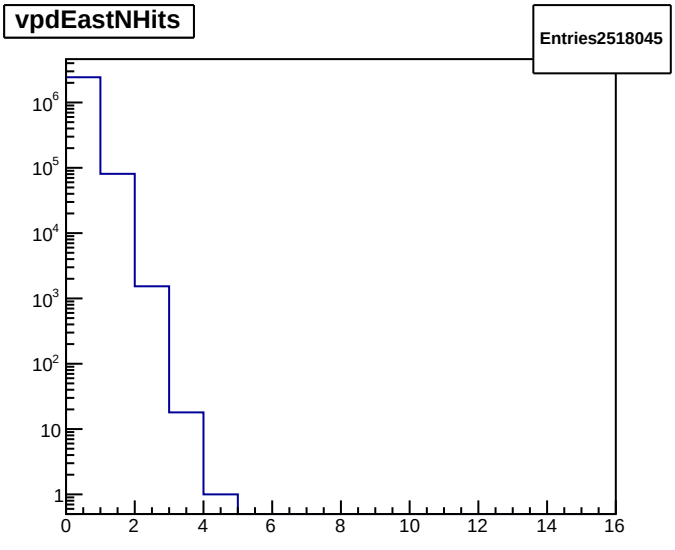

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

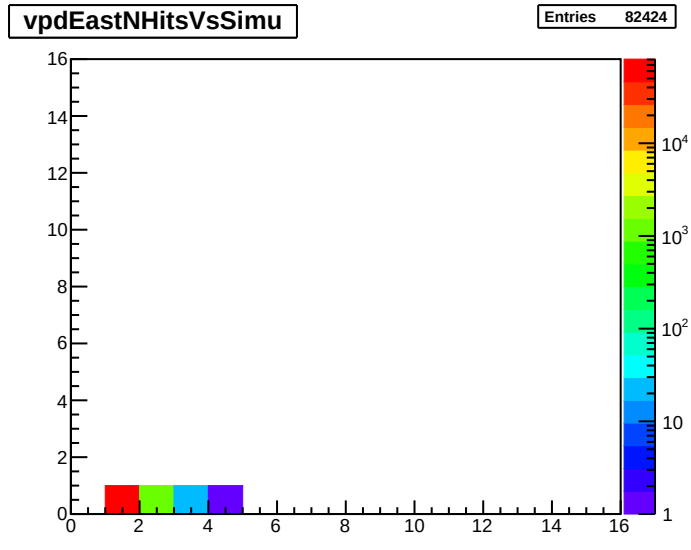

bbcLargeHit
Entries 5036090
1
0
2.41482e+06
2.31982e+06
103222
198227
E-Hit
W-Hit
10^6

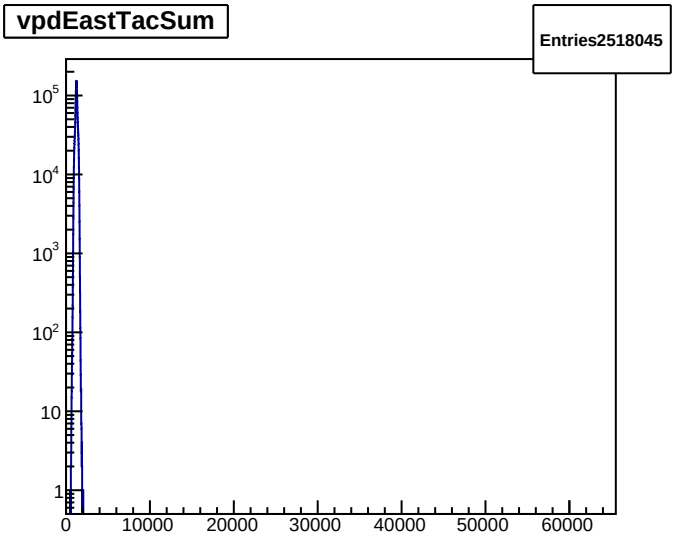

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

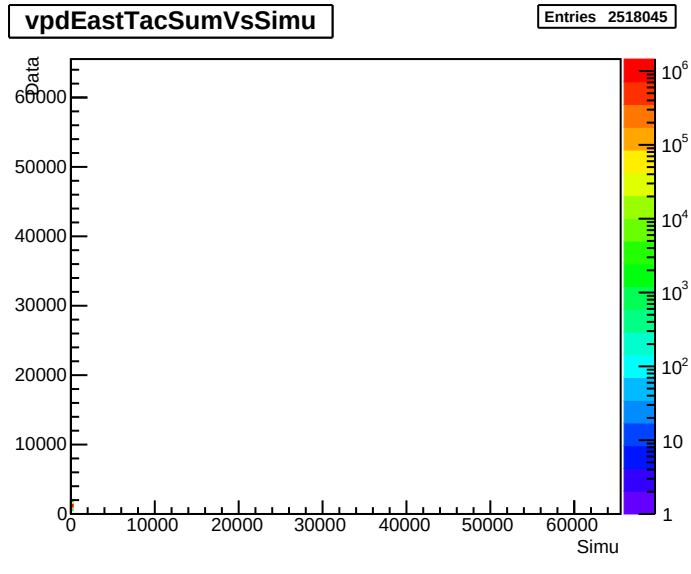

vpdEastAdcSum
Entries2518045

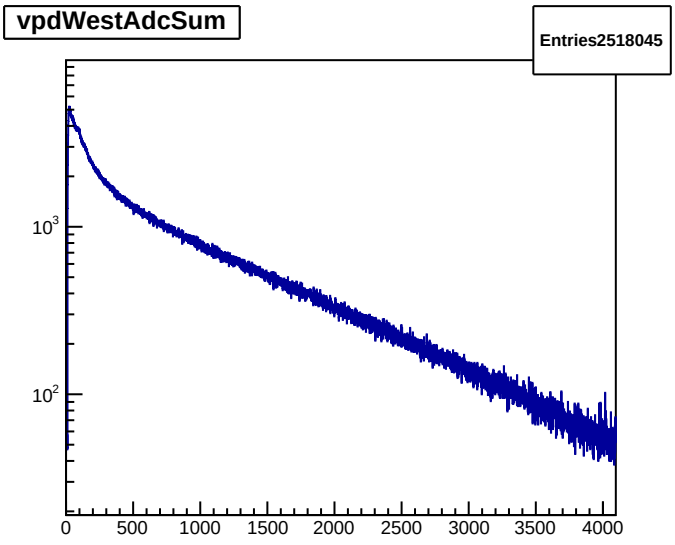

vpdEastAdcSumVsSimu
Entries 2517965
Data
Simu

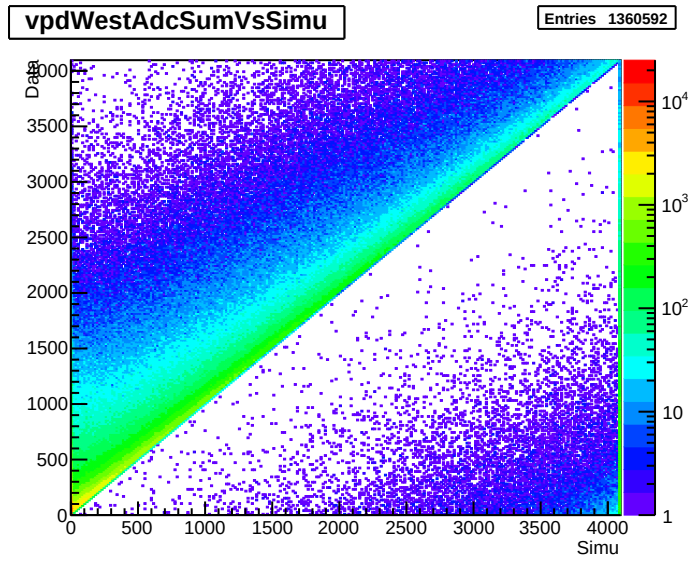

vpdEastNHits
Entries2518045

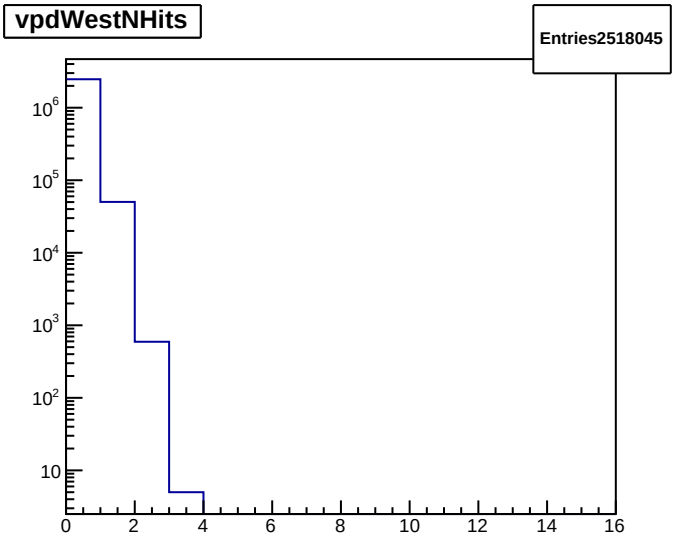

vpdEastNHitsVsSimu
Entries 82424

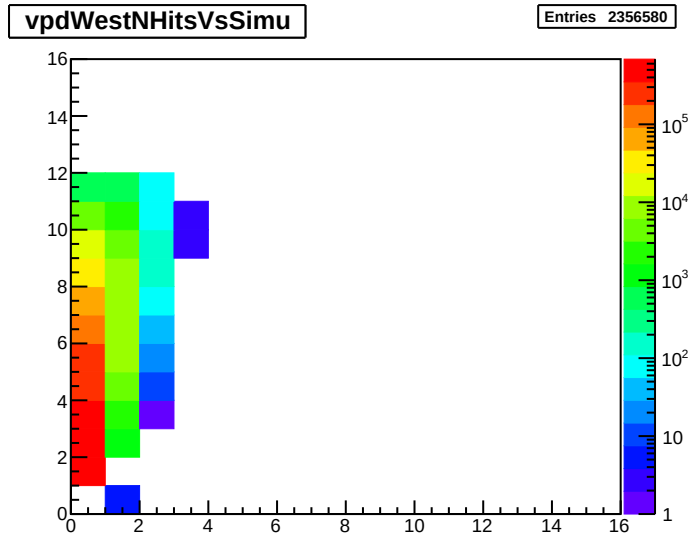

vpdEastTacSum
Entries2518045

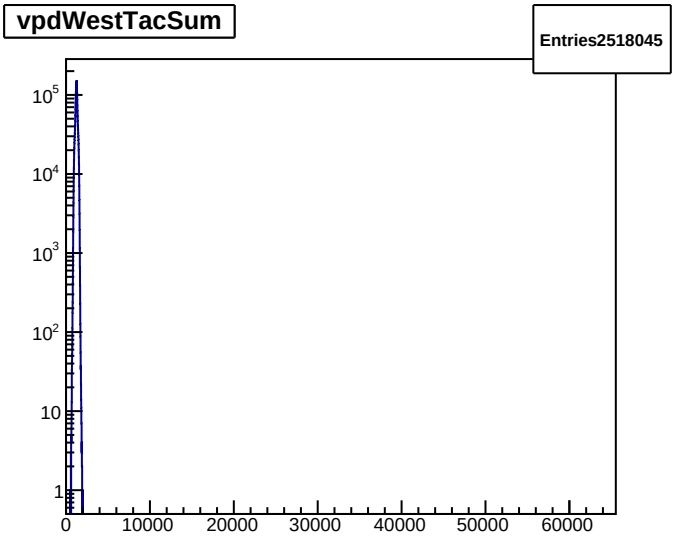

vpdEastTacSumVsSimu
Entries 2518045
Data
Simu

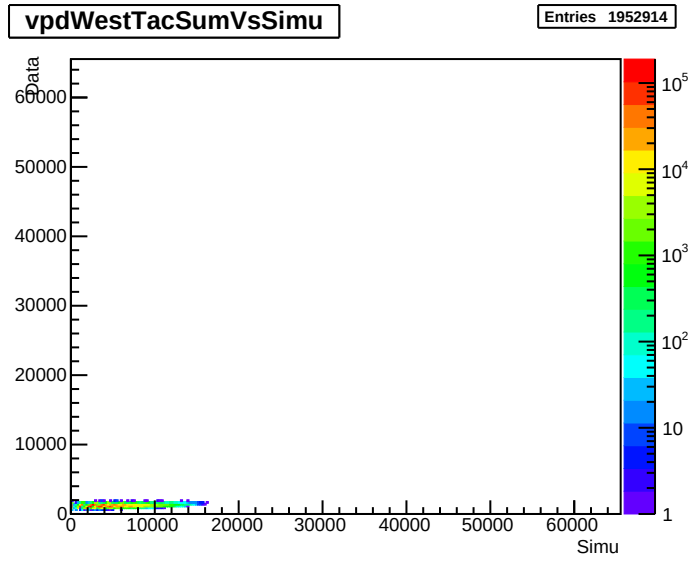

vpdWestAdcSum
Entries2518045

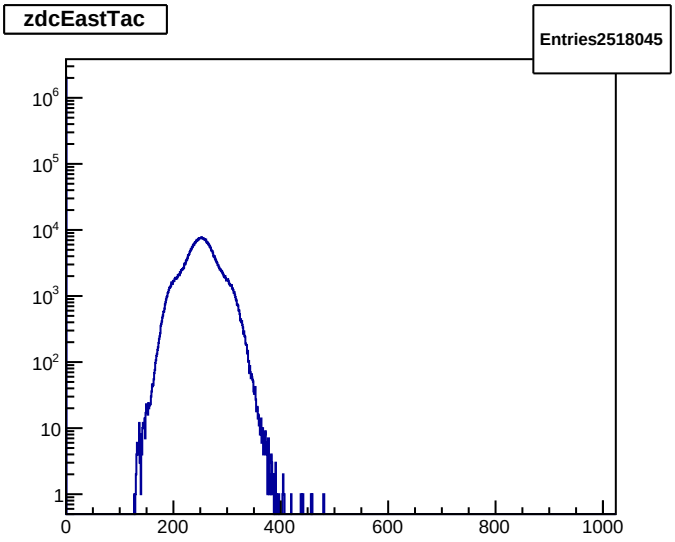

vpdWestAdcSumVsSimu
Entries 1360592
Data
Simu

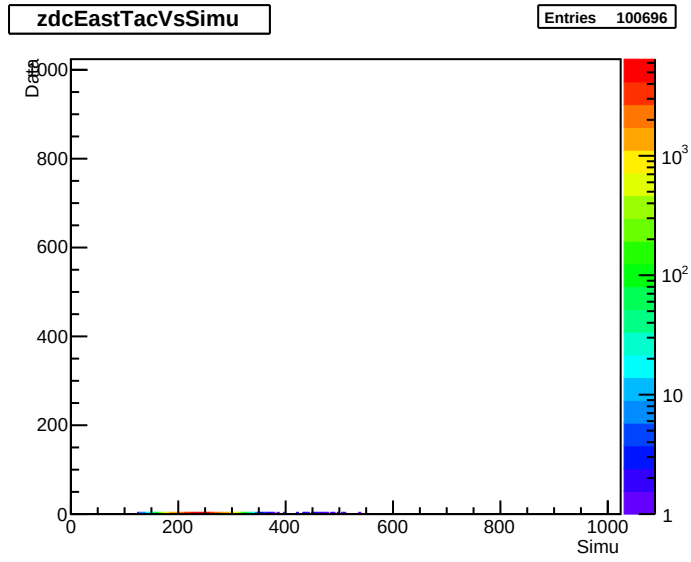

vpdWestNHits
Entries2518045

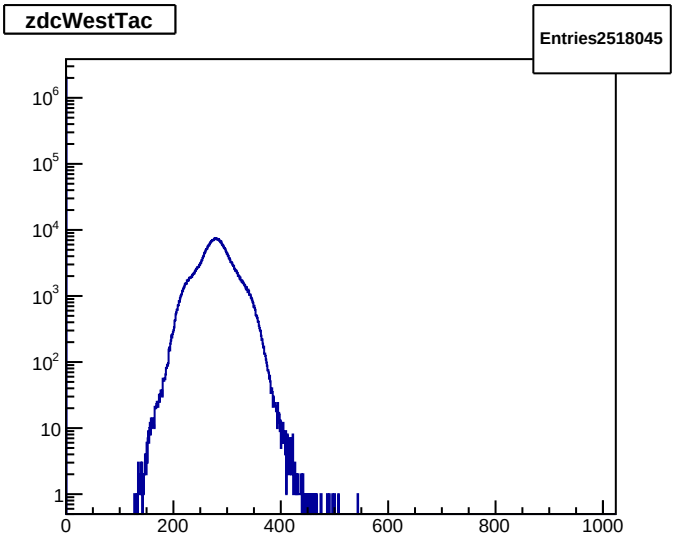

vpdWestNHitsVsSimu
Entries 2356580

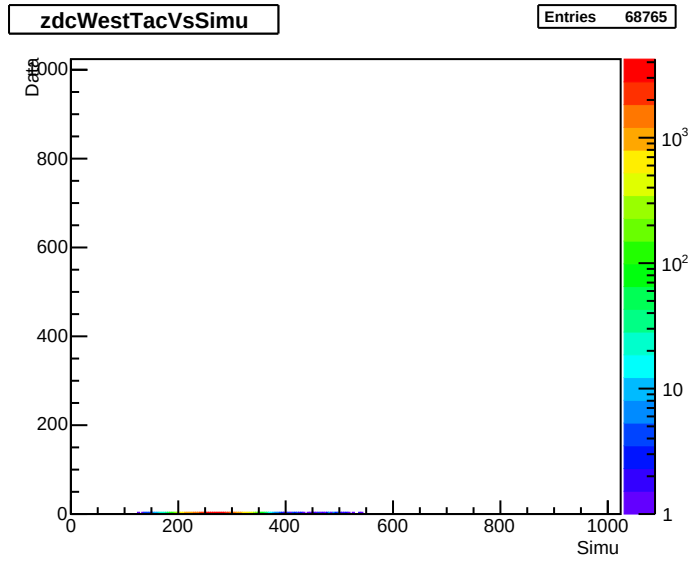

vpdWestTacSum
Entries2518045

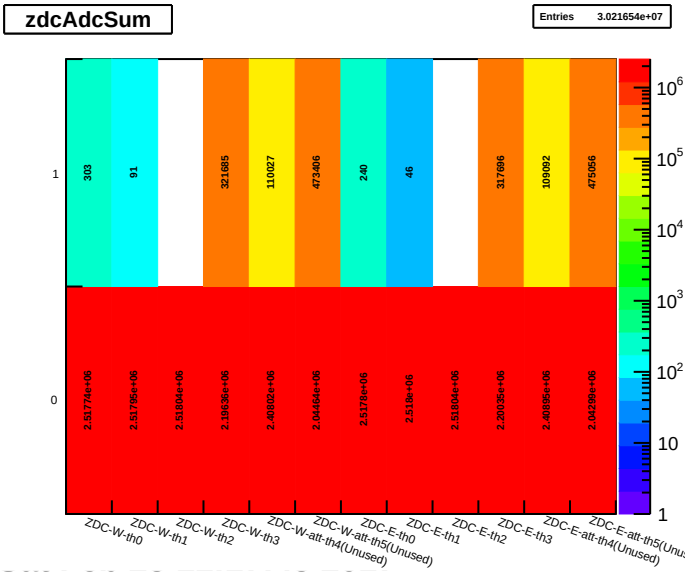

vpdWestTacSumVsSimu
Entries 1952914
Data
Simu

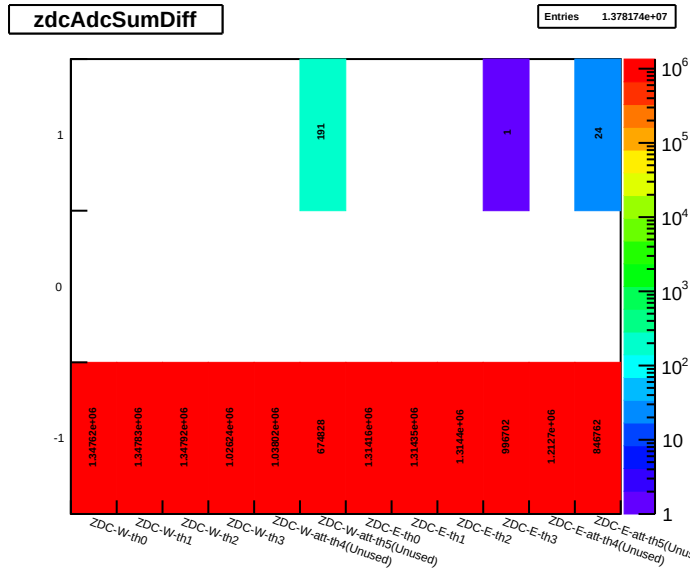

zdcEastTac
Entries2518045

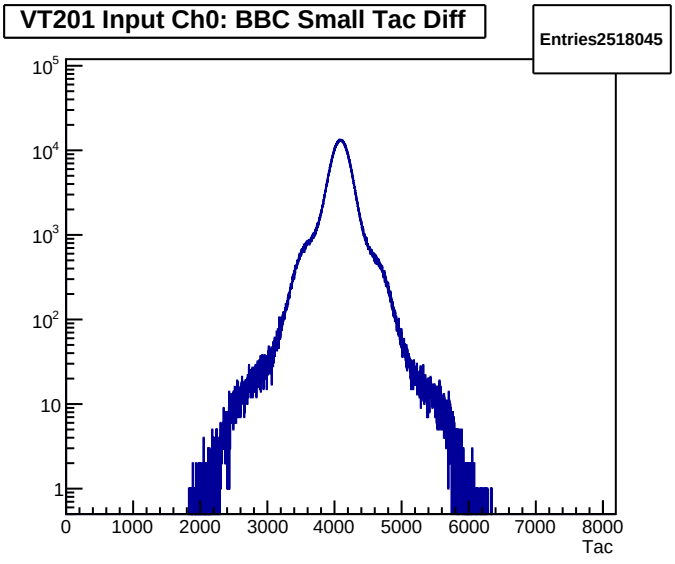

zdcEastTacVsSimu
Entries 100696
Data
Simu

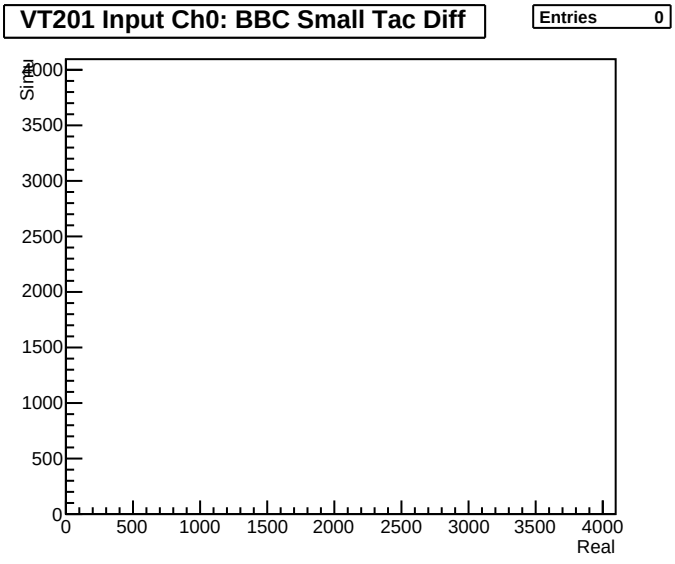

zdcWestTac
Entries2518045

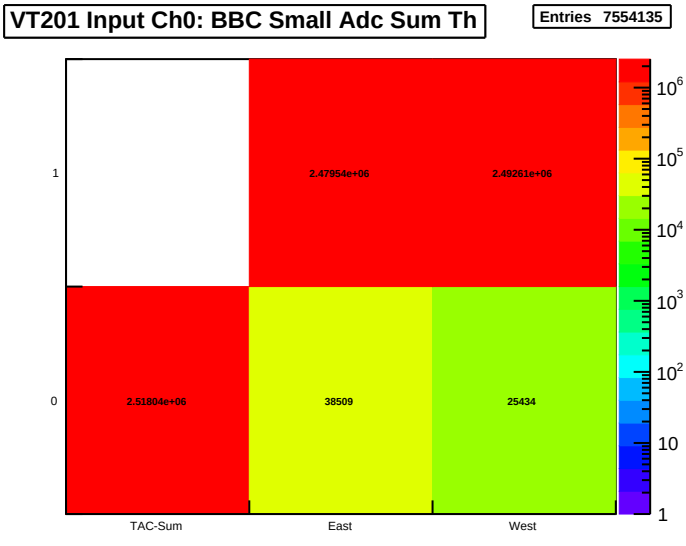

zdcWestTacVsSimu
Entries 68765
Data
Simu

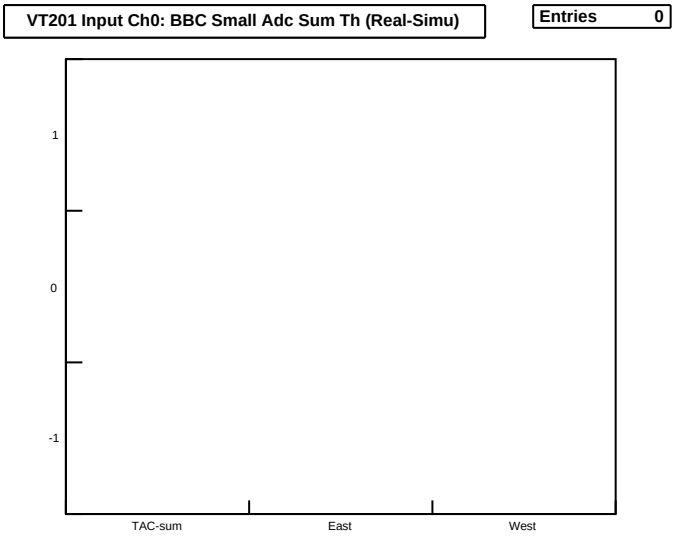

zdcAdcSum
Entries 3.021654e+07
303
91
321685
110027
473406
240
46
317696
109092
475056
2.51774e+06
2.51795e+05
2.51804e+06
2.19538e+06
2.40802e+06
2.04464e+06
2.51178e+06
2.518e+06
2.51804e+05
2.20035e+06
2.40895e+06
2.04259e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

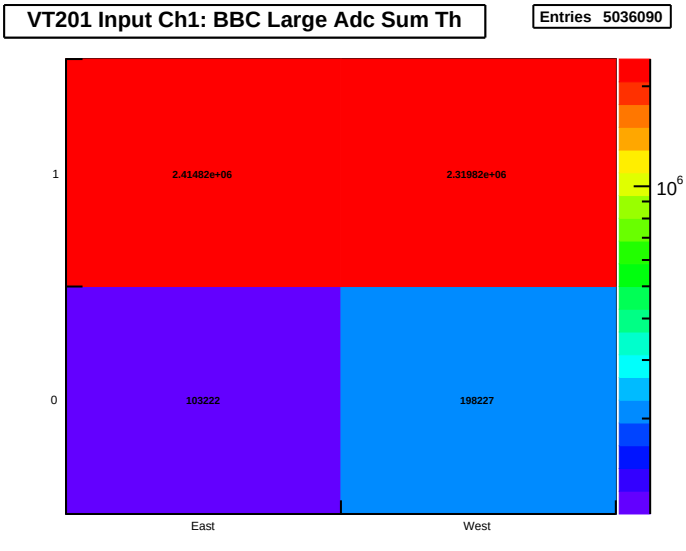

zdcAdcSumDiff
Entries 1.378174e+07
191
1
24
1.34752e+06
1.34733e+06
1.34792e+06
1.02624e+06
1.03802e+06
674828
1.31416e+06
1.31435e+06
1.3144e+06
996702
1.2127e+06
846762
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

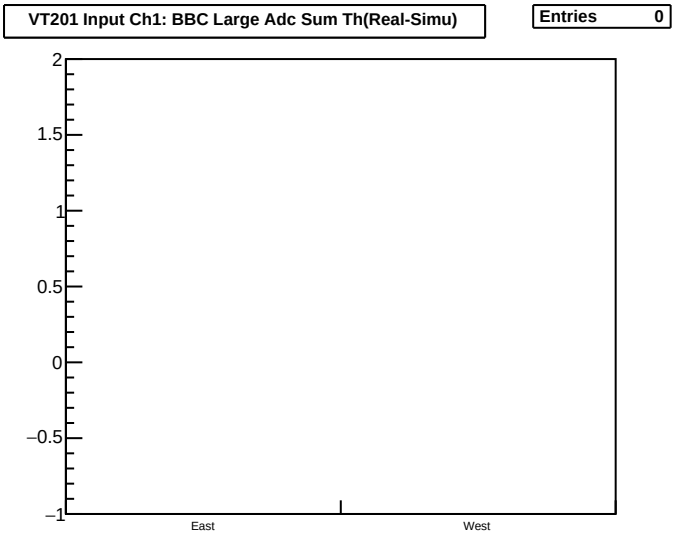

VT201 Input Ch0: BBC Small Tac Diff
Entries2518045
Tac


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

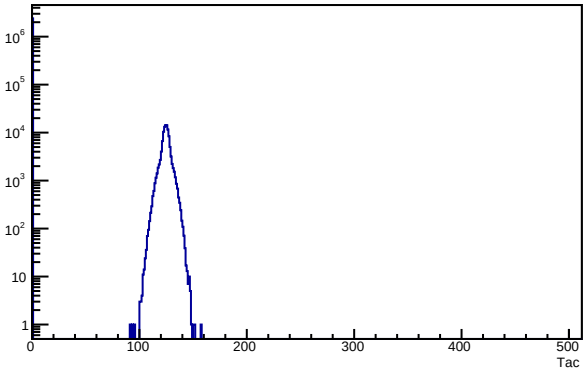

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 7554135
2.47954e+06
2.49261e+06
2.51804e+06
38509
25434
TAC-Sum
East
West


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

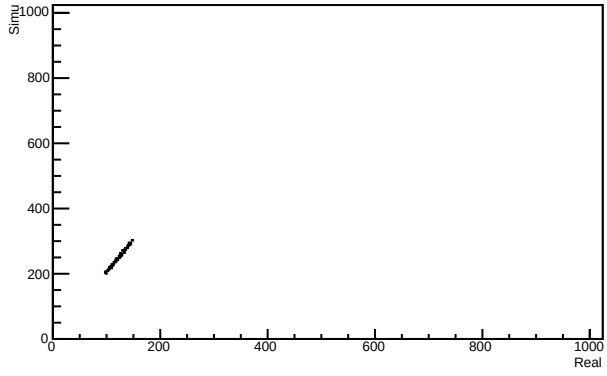

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 5036090
2.41482e+06
2.31982e+06
103222
198227
East
West


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

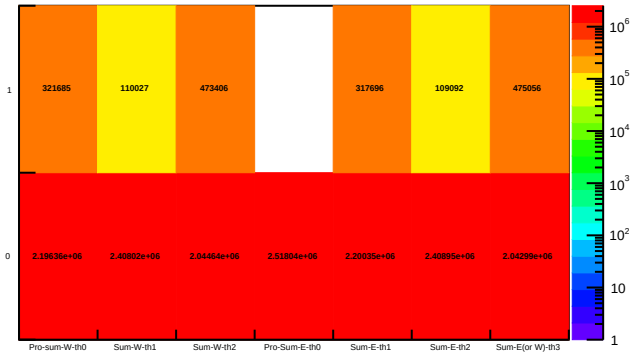
VT201 Input Ch2: ZDC Tac Diff



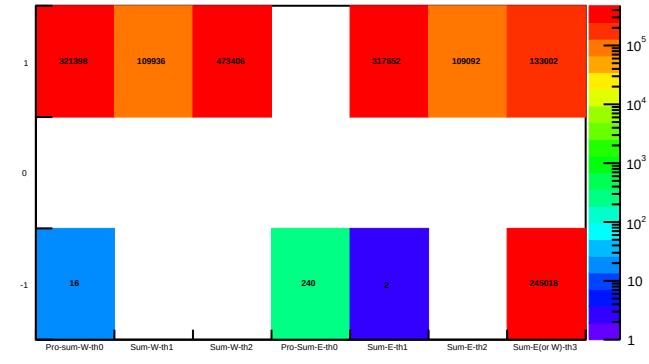
VT201 Input Ch2: ZDC Tac Diff



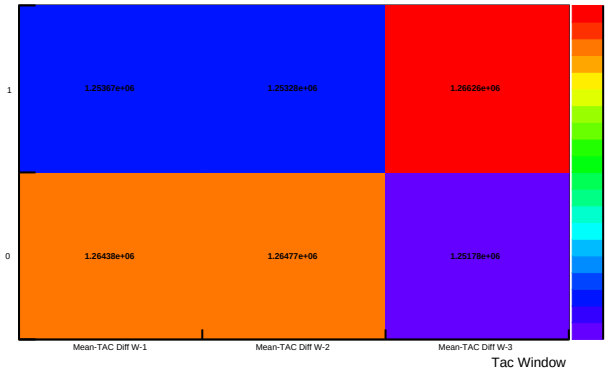
VT201 Input Ch2: ZDC Adc Sum Th



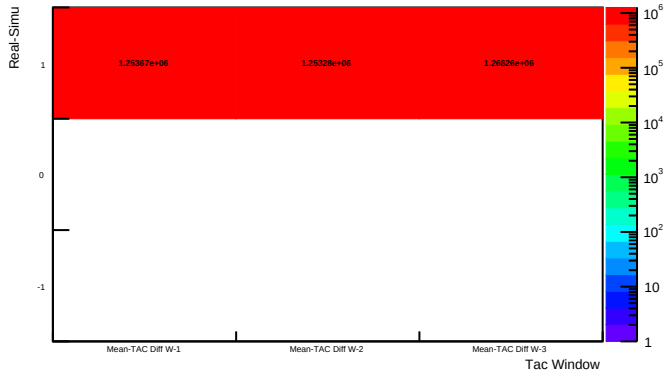
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



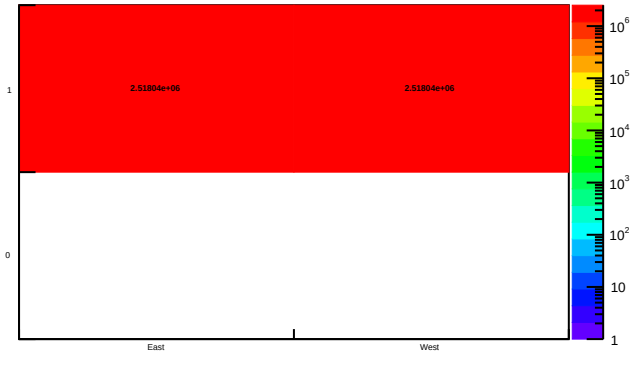
VT201 Input Ch4: VPD Tac Diff



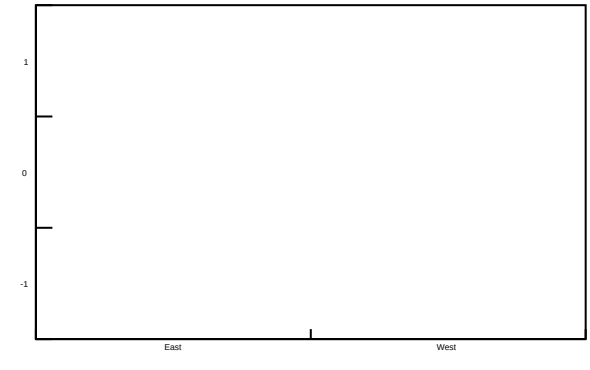
VT201 Input Ch4: VPD Tac Diff

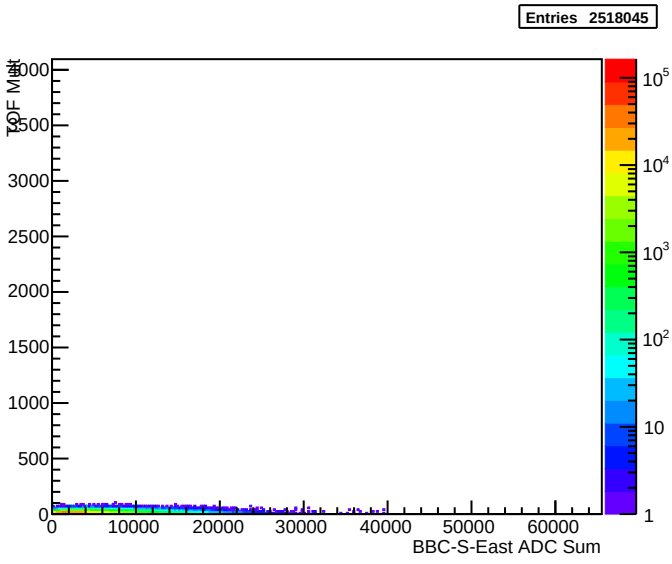


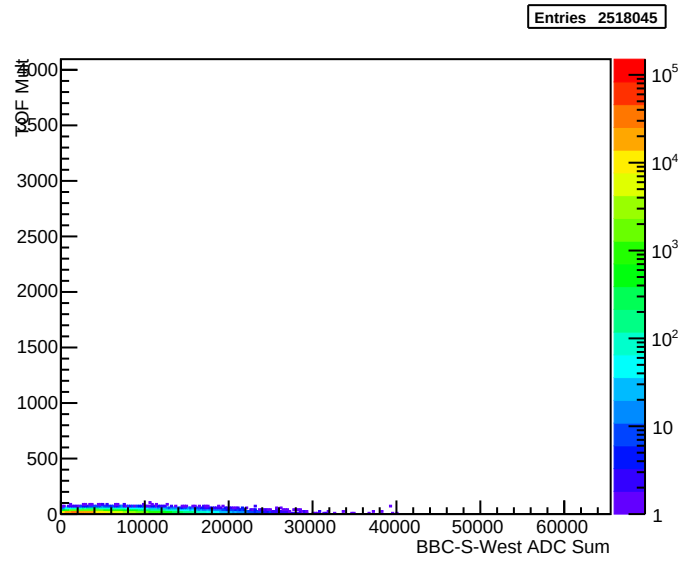
VT201 Input Ch4: VPD Adc Sum Th

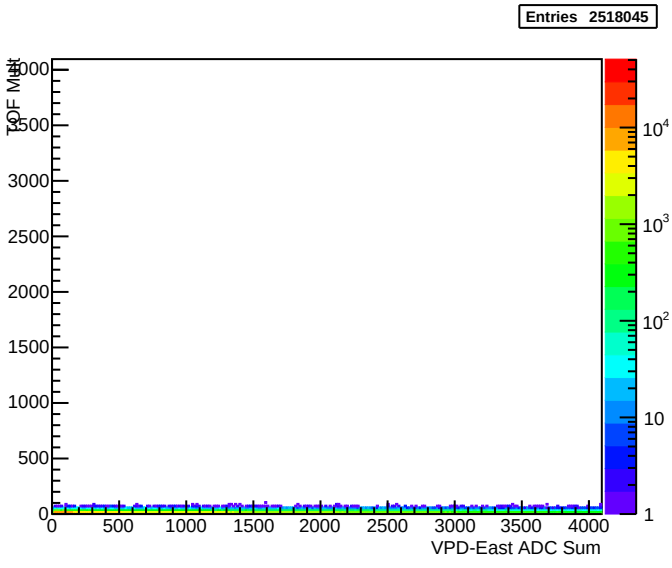


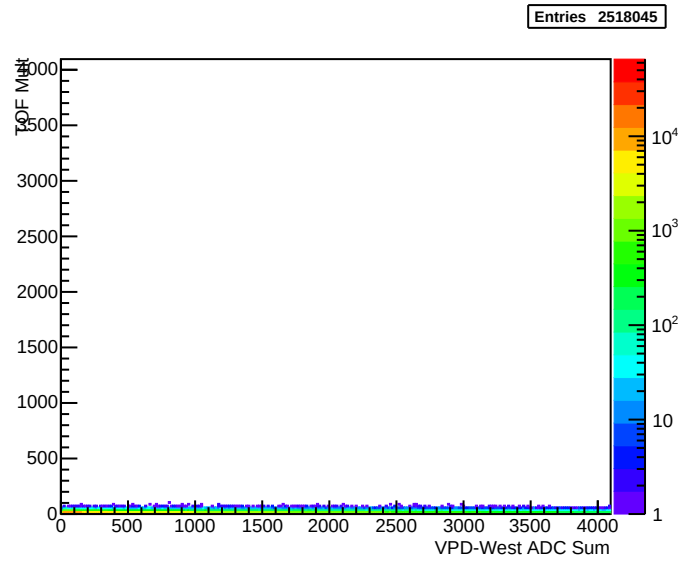
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

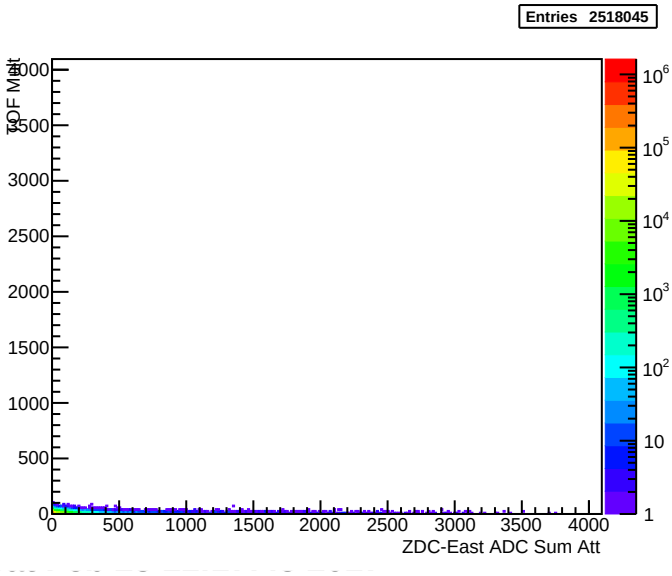


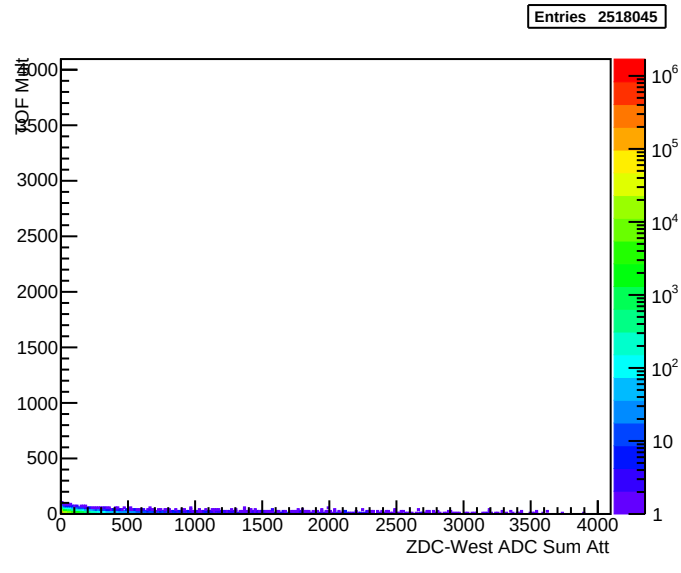

Entries 2518045
TOF Mult
BBC-S-East ADC Sum

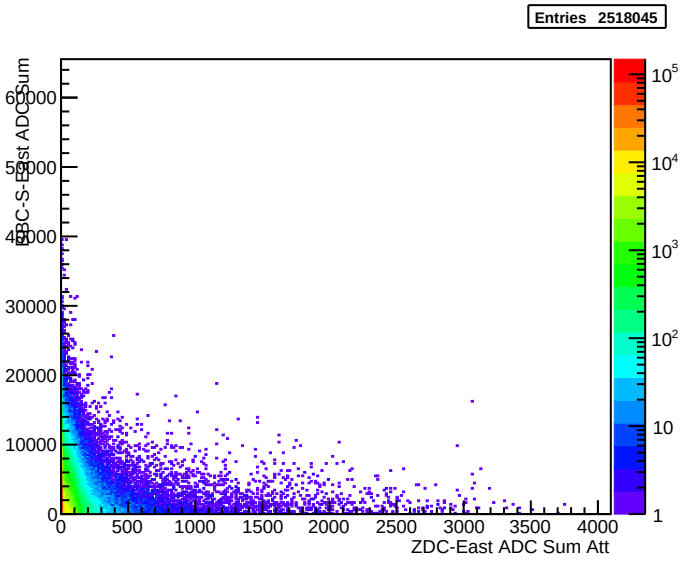

Entries 2518045
TOF Mult
BBC-S-West ADC Sum

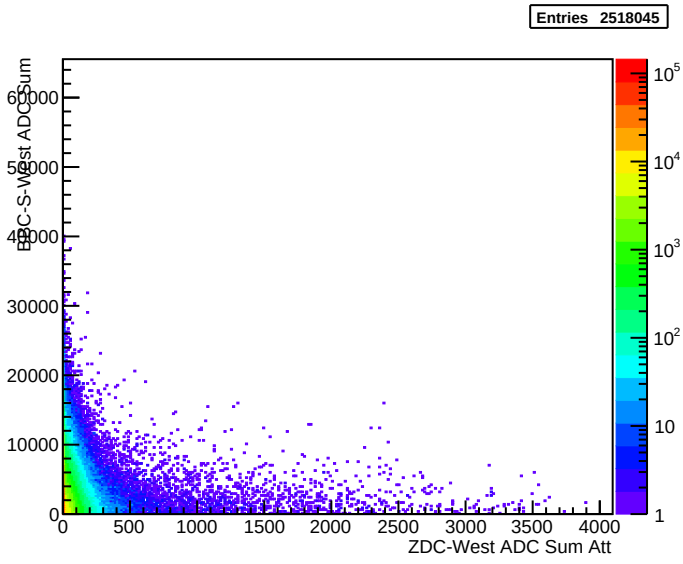

Entries 2518045
TOF Mult
VPD-East ADC Sum

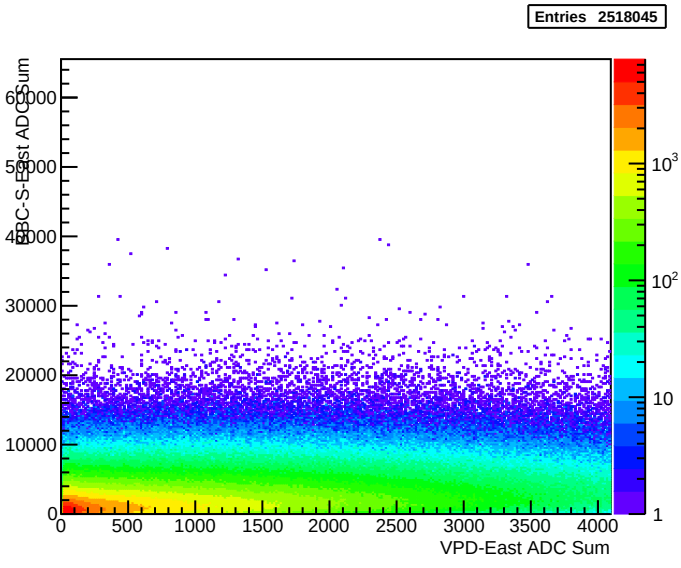

Entries 2518045
TOF Mult
VPD-West ADC Sum

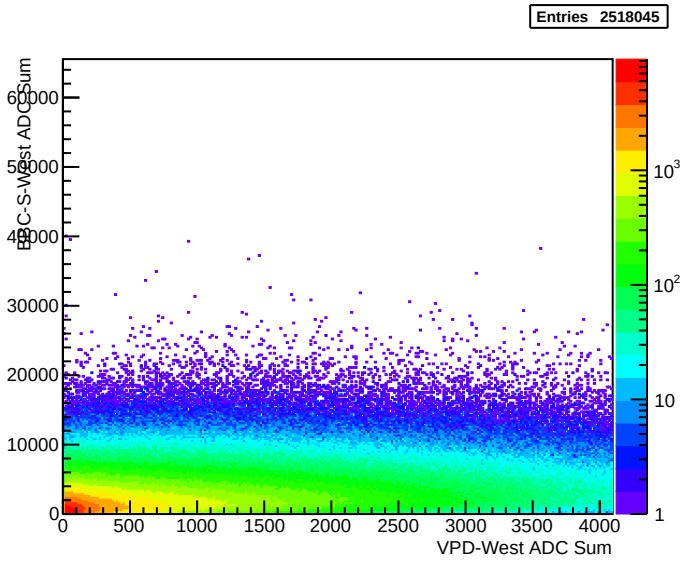

Entries 2518045
TOF Mult
ZDC-East ADC Sum Att

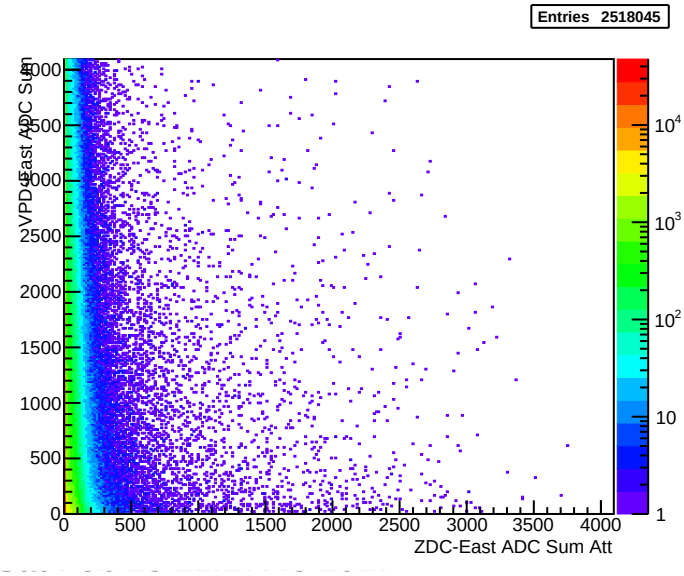

Entries 2518045
TOF Mult
ZDC-West ADC Sum Att

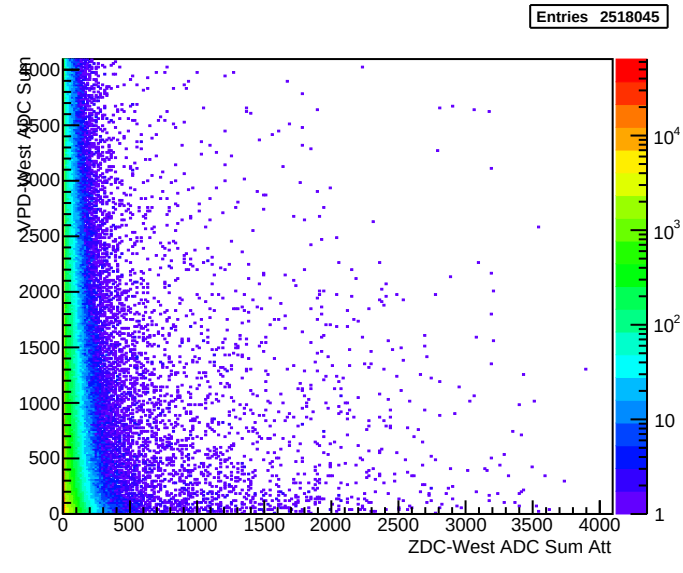

Entries 2518045
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

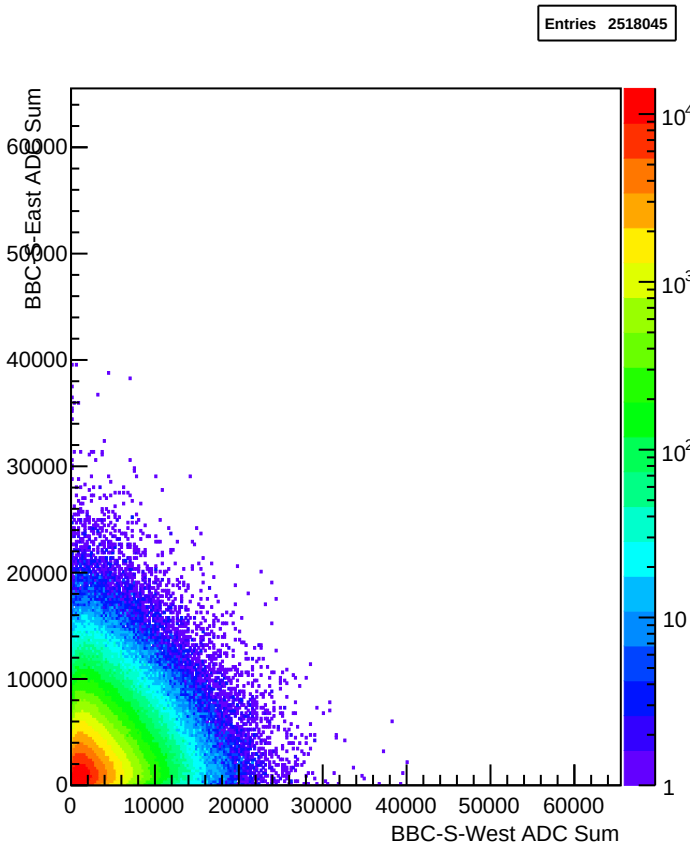

Entries 2518045
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

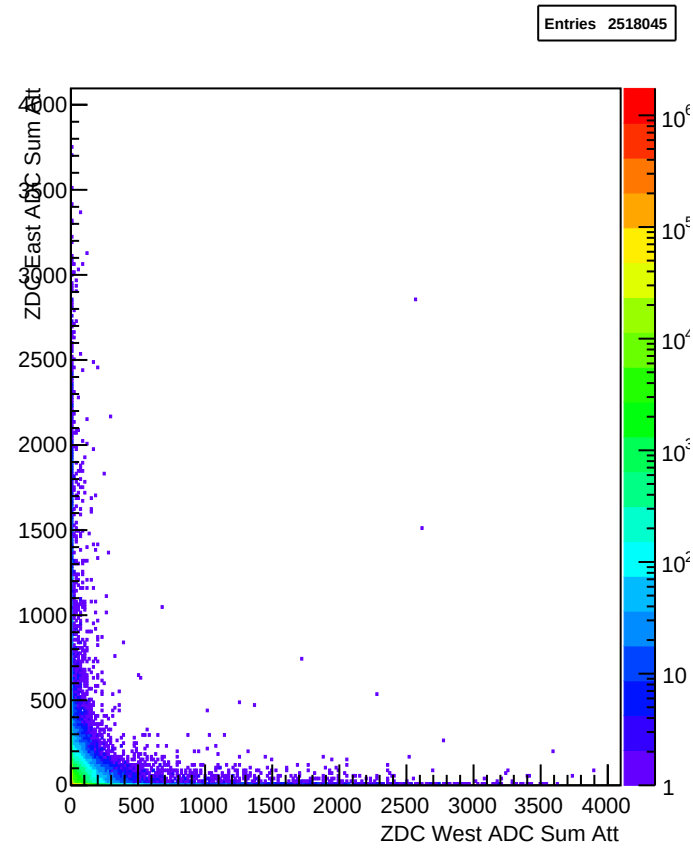

Entries 2518045
BBC-S-East ADC Sum
VPD-East ADC Sum

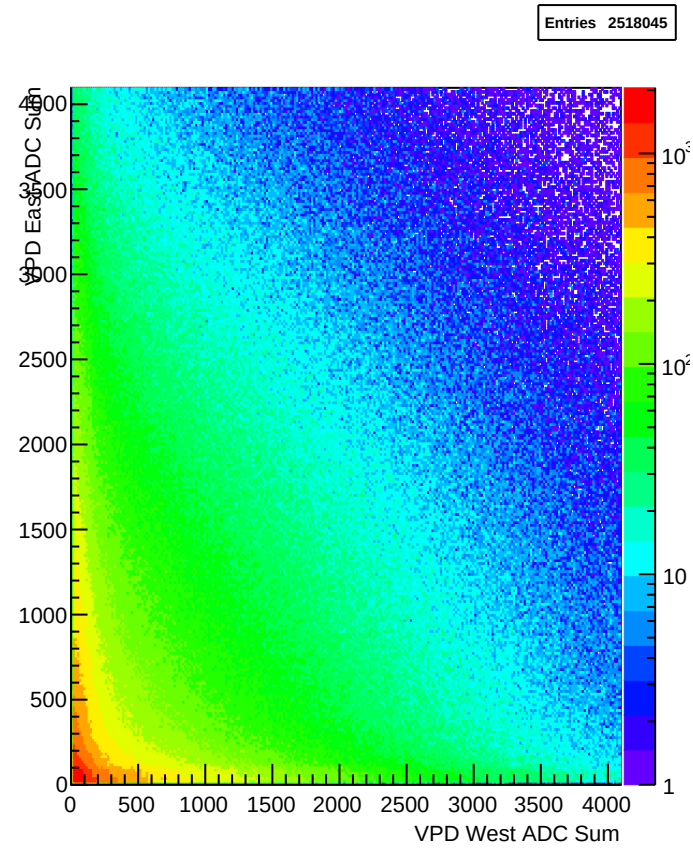

Entries 2518045
BBC-S-West ADC Sum
VPD-West ADC Sum

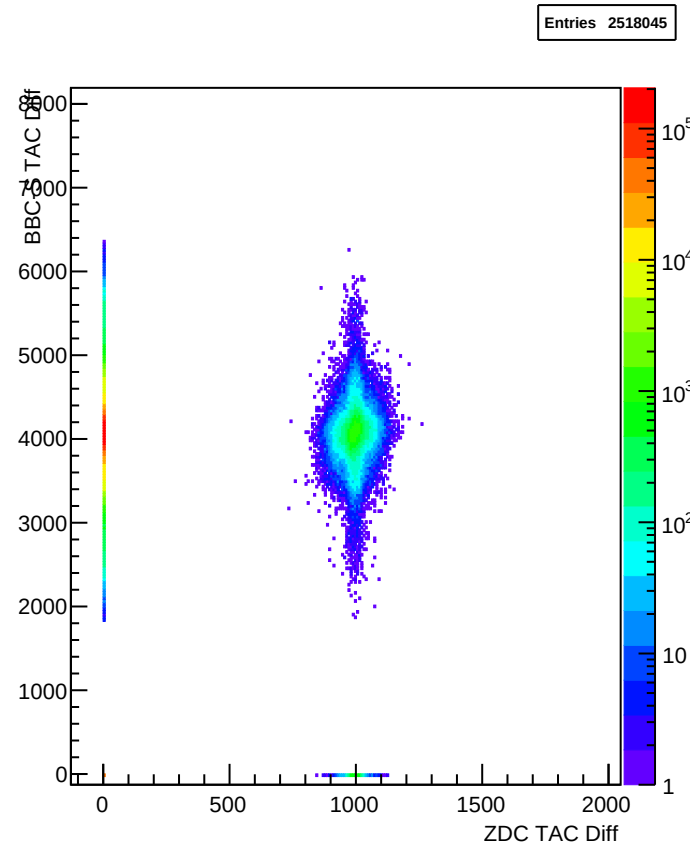

Entries 2518045
VPD-East ADC Sum
ZDC-East ADC Sum Att

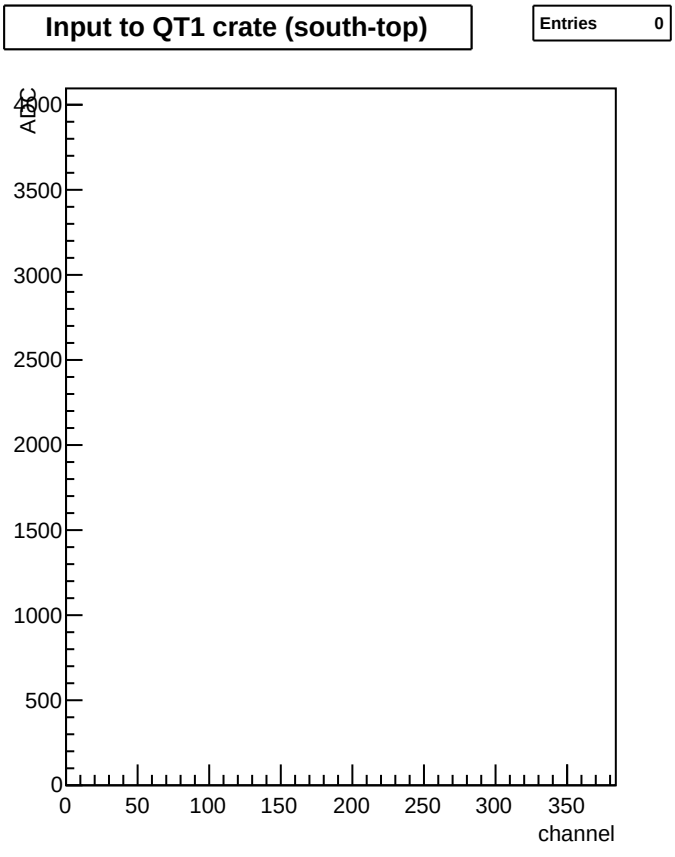

Entries 2518045
VPD-West ADC Sum
ZDC-West ADC Sum Att

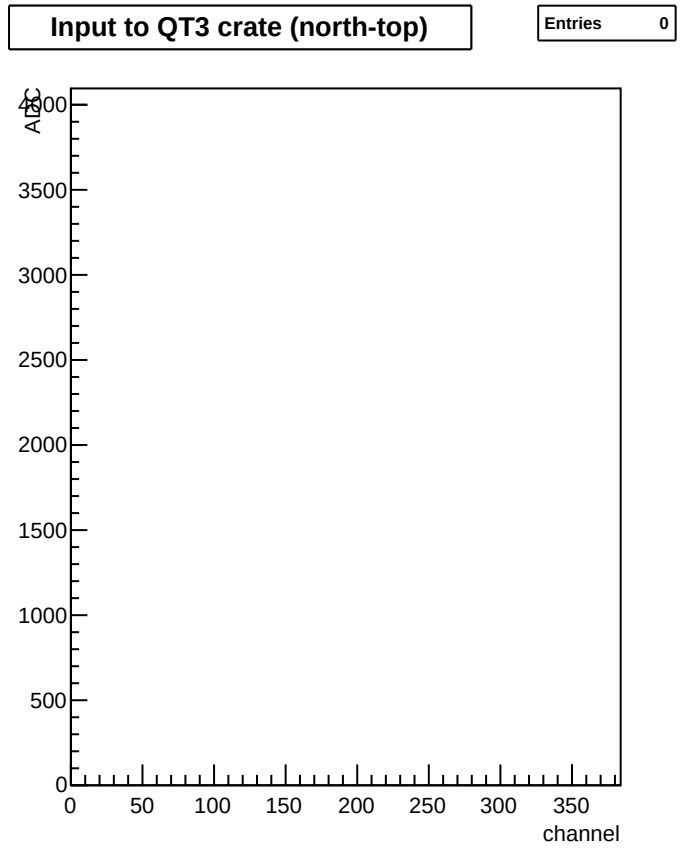

Entries 2518045
BBC-S-East ADC Sum
BBC-S-West ADC Sum

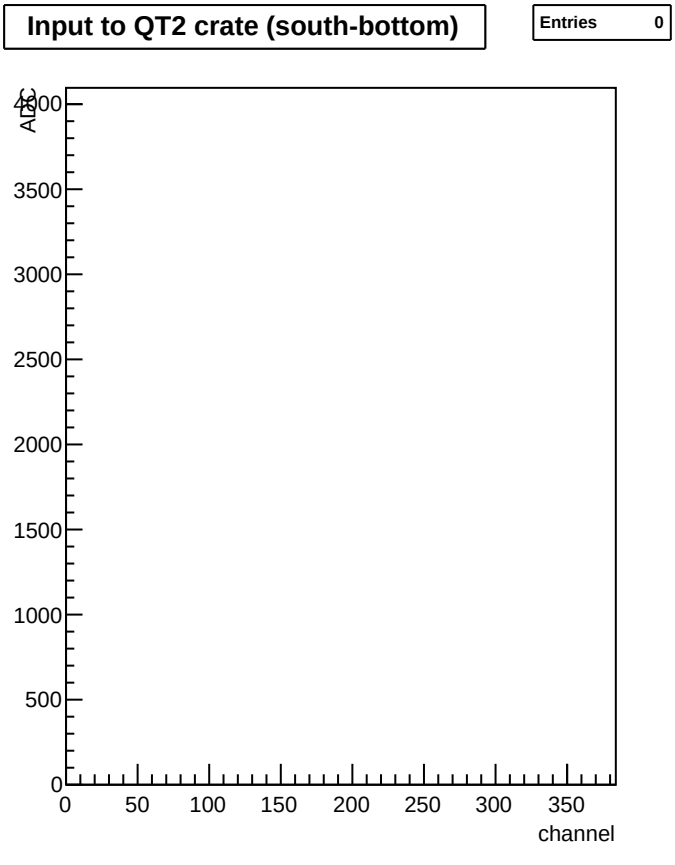

Entries 2518045
ZDC East ADC Sum Att
ZDC West ADC Sum Att

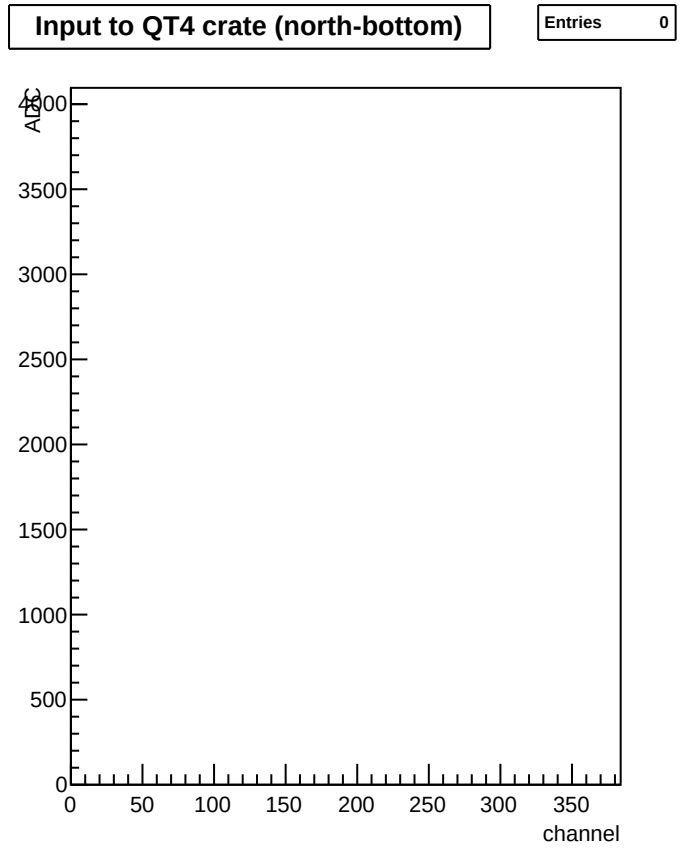

Entries 2518045
VPD East ADC Sum
VPD West ADC Sum

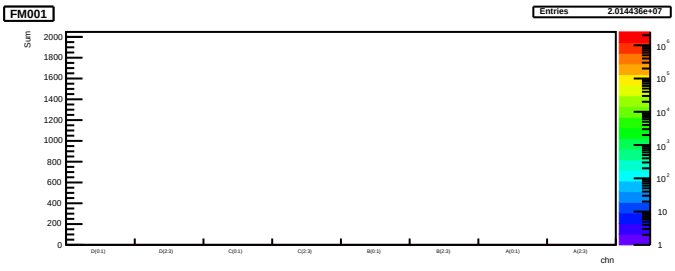

Entries 2518045
BBC-S TAC Diff
ZDC TAC Diff

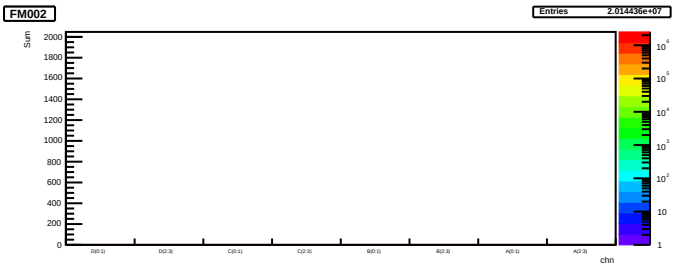

Input to QT1 crate (south-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

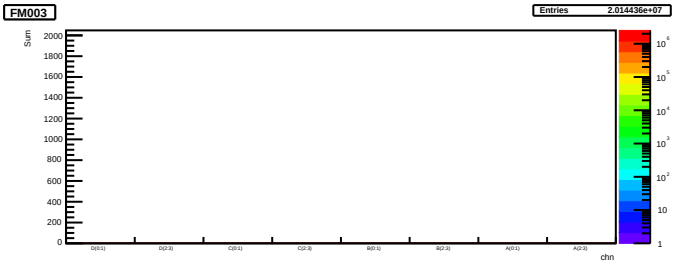

Input to QT3 crate (north-top)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

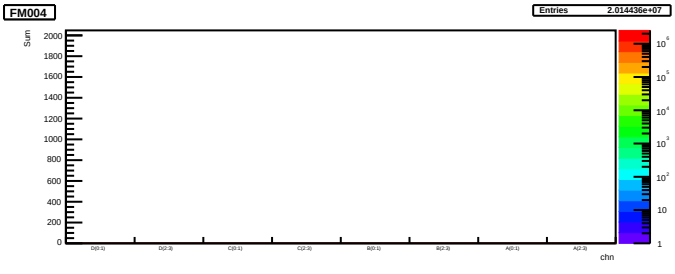

Input to QT2 crate (south-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

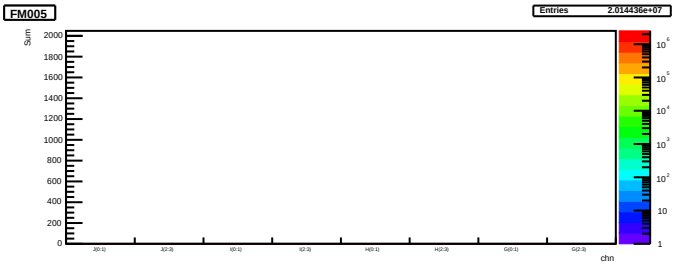

Input to QT4 crate (north-bottom)
Entries 0
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
0 50 100 150 200 250 300 350
channel

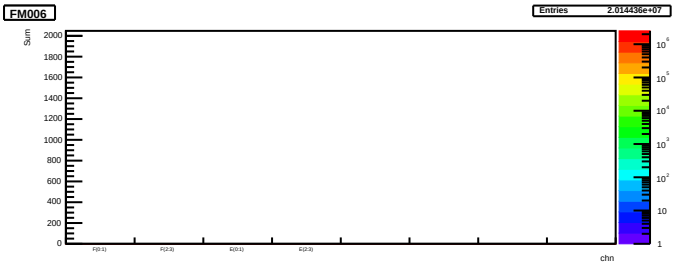

FM001
Entries 2.014436e+07
Sum
chn

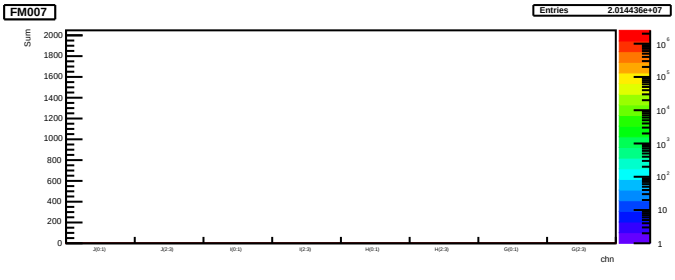

FM002
Entries 2.014436e+07
Sum
chn

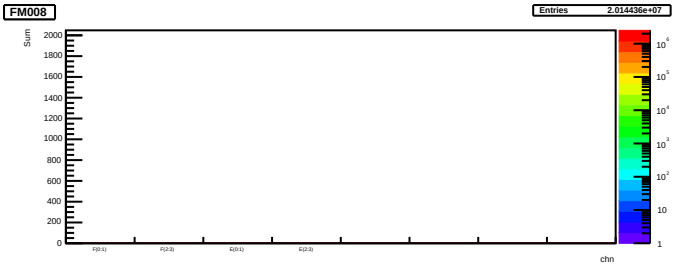

FM003
Entries 2.014436e+07
Sum
chn

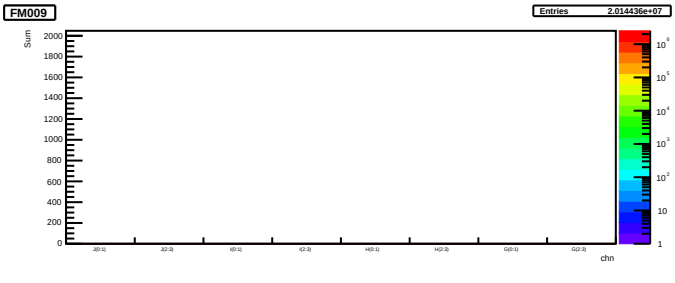

FM004
Entries 2.014436e+07
Sum
chn

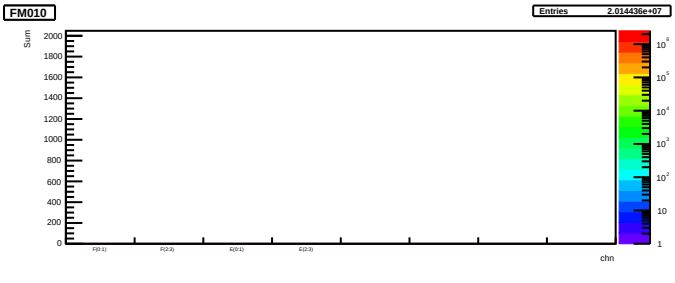

FM005
Entries 2.014436e+07
Sum
chn

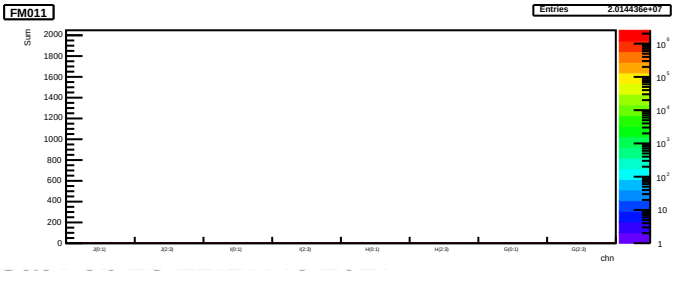

FM006
Entries 2.014436e+07
Sum
chn

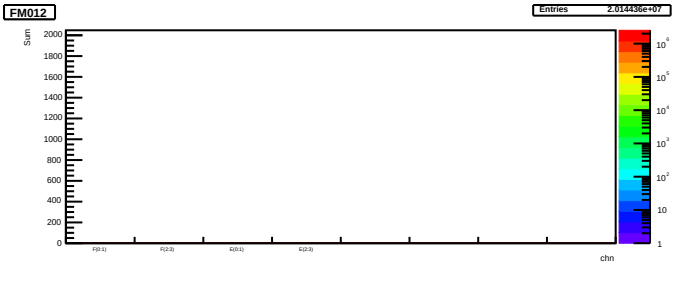

FM007
Entries 2.014436e+07
Sum
chn

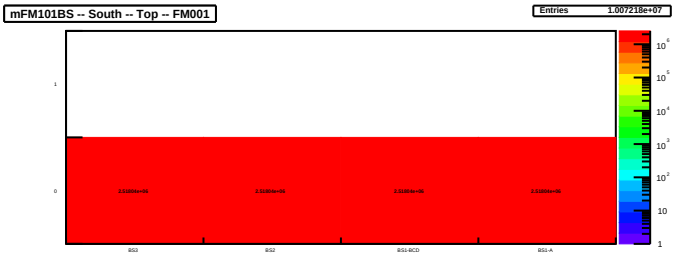

FM008
Entries 2.014436e+07
Sum
chn

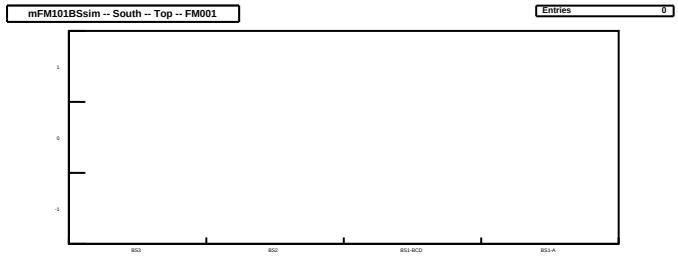

FM009
Entries 2.014436e+07
Sum
chn

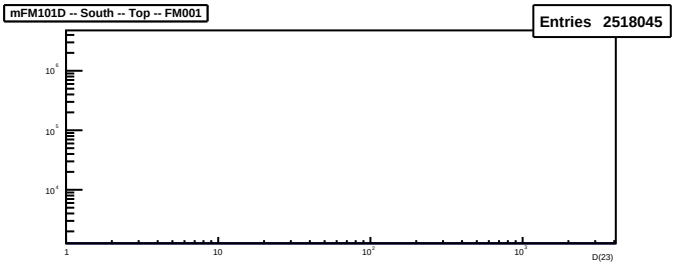

FM010
Entries 2.014436e+07
Sum
chn

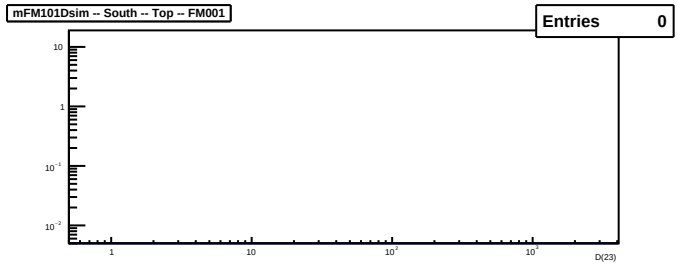

FM011
Entries 2.014436e+07
Sum
chn

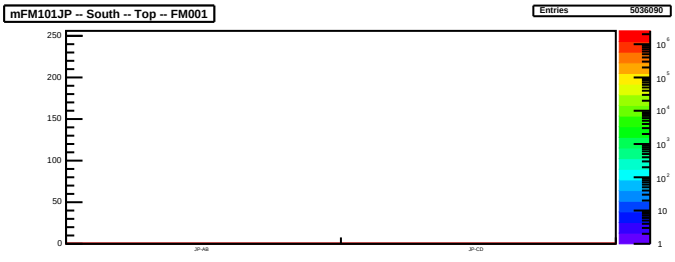

FM012
Entries 2.014436e+07
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 1.007218e+07
BS3
BS2
BS1-BCD
BS1-A

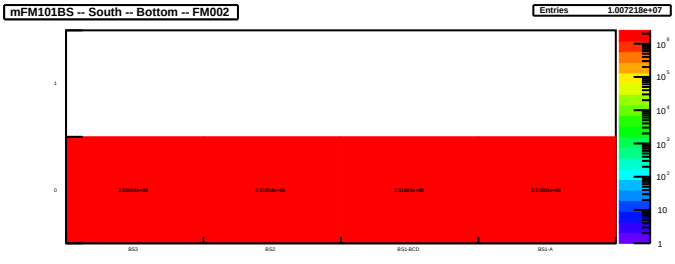

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A

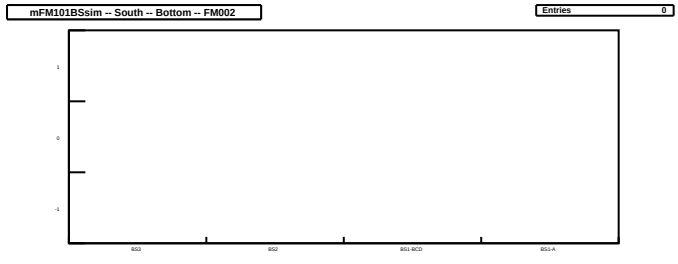

mFM101D -- South -- Top -- FM001
Entries 2518045
D(23)

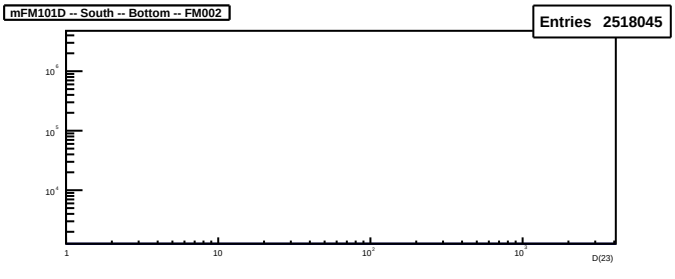

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

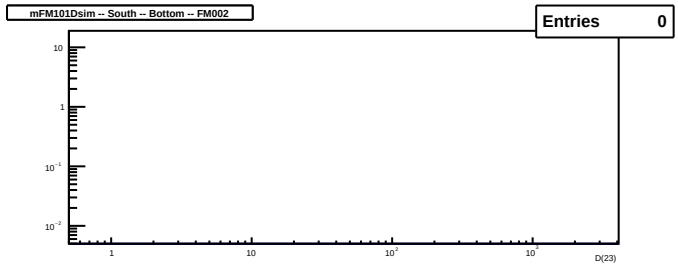

mFM101JP -- South -- Top -- FM001
Entries 5036090
JP-AB
JP-CD

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


mFM101BS -- South -- Bottom -- FM002
Entries 1.007218e+07
BS3
BS2
BS1-BCD
BS1-A

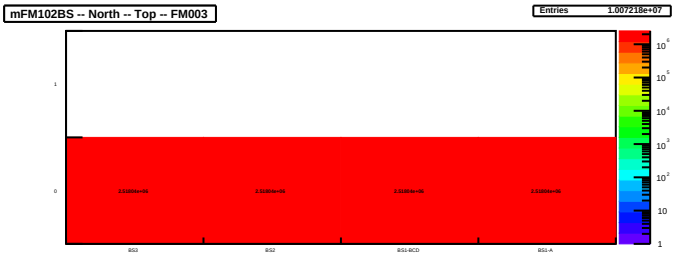

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 2518045
D(23)

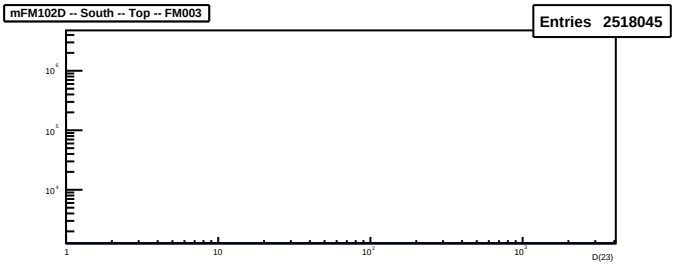

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

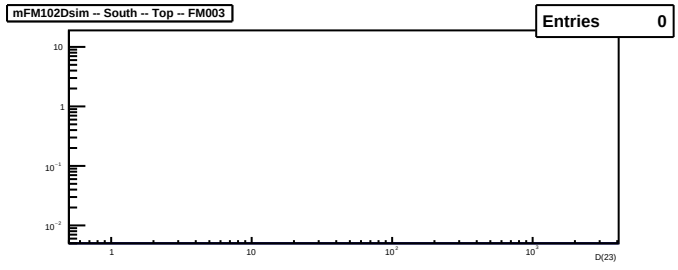
mFM101JP -- South -- Bottom -- FM002
Entries 5036090
JP-AB
JP-CD

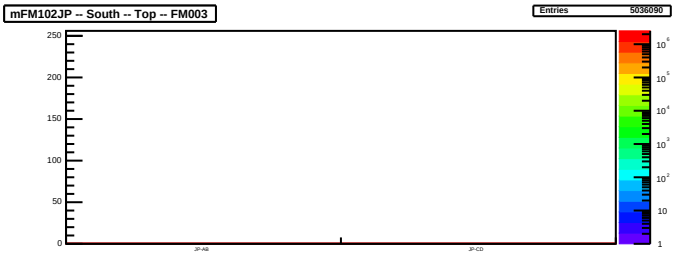
mFM101JPsim -- South -- Bottom -- FM002
Entries 0
JP-AB
JP-CD


mFM102BS -- North -- Top -- FM003
Entries 1.007218e+07
2.51806e+06
2.51806e+06
2.51806e+06
2.51806e+06
BS3
BS2
BS1-BCD
BS1-A

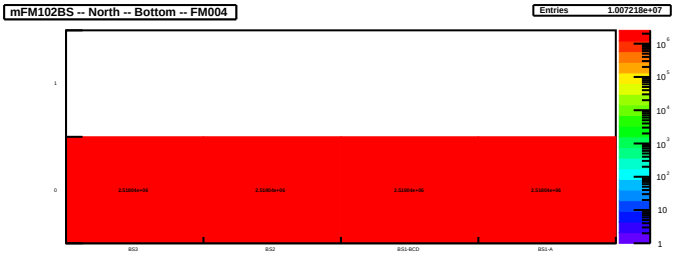
mFM102BSsim -- North -- Top -- FM003
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM102D -- South -- Top -- FM003
Entries 2518045
D(23)

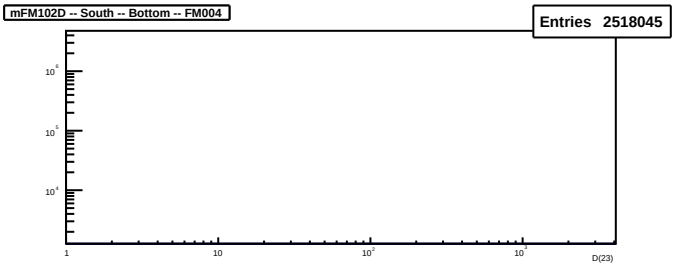

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

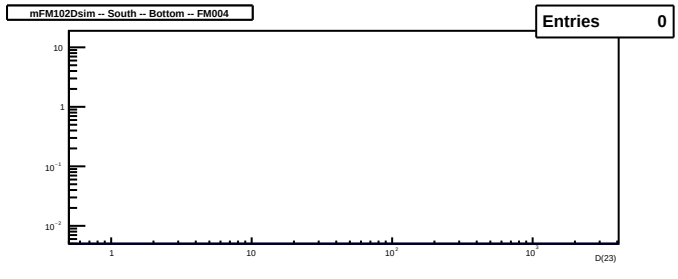

mFM102JP -- South -- Top -- FM003
Entries 5036090
JP-AB
JP-CD

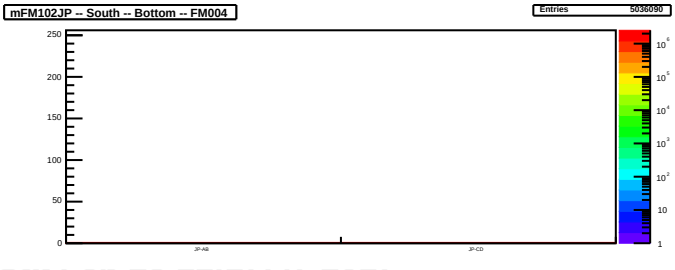
mFM102JPsim -- South -- Top -- FM003
Entries 0
JP-AB
JP-CD

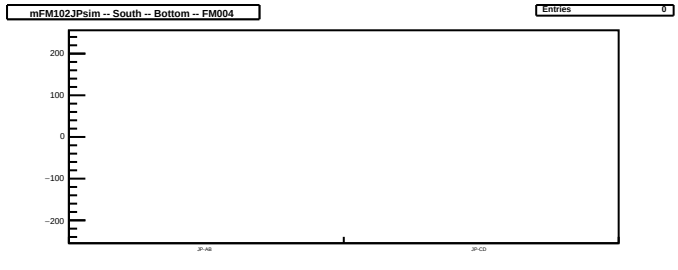

mFM102BS -- North -- Bottom -- FM004
Entries 1.007218e+07
2.51806e+06
2.51806e+06
2.51806e+06
2.51806e+06
BS3
BS2
BS1-BCD
BS1-A

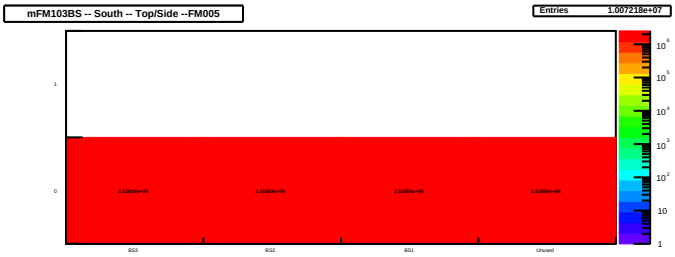
mFM102BSsim -- North -- Bottom -- FM004
Entries 0
BS3
BS2
BS1-BCD
BS1-A

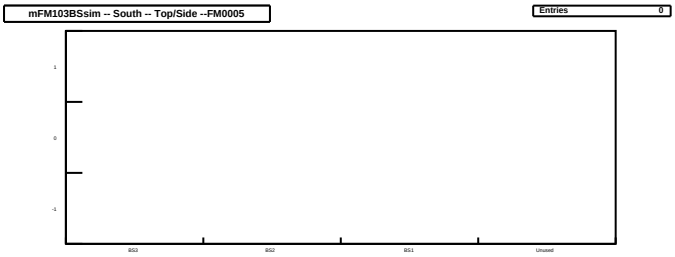

mFM102D -- South -- Bottom -- FM004
Entries 2518045
D(23)

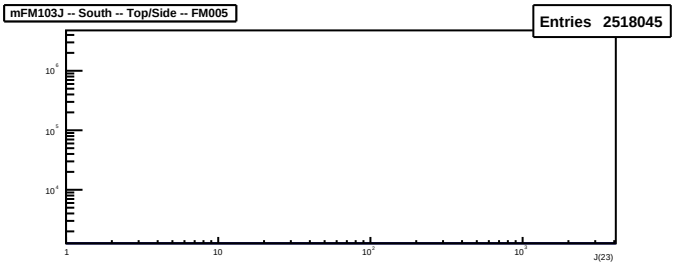

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

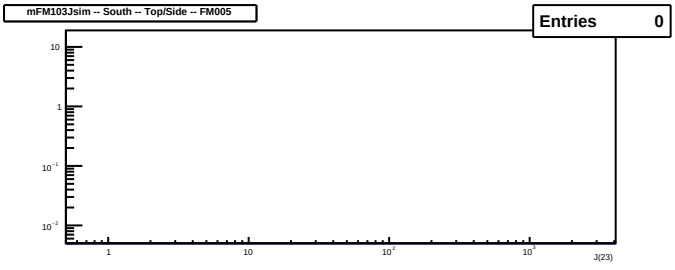

mFM102JP -- South -- Bottom -- FM004
Entries 5036090
JP-AB
JP-CD

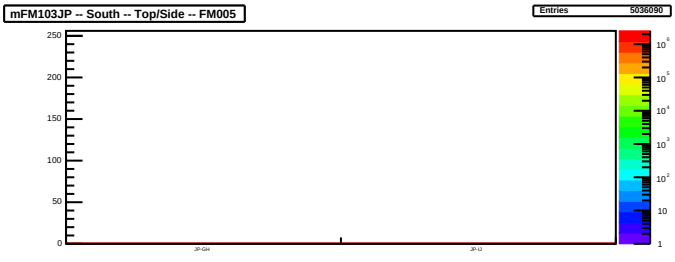

mFM102JPsim -- South -- Bottom -- FM004
Entries 0
JP-AB
JP-CD

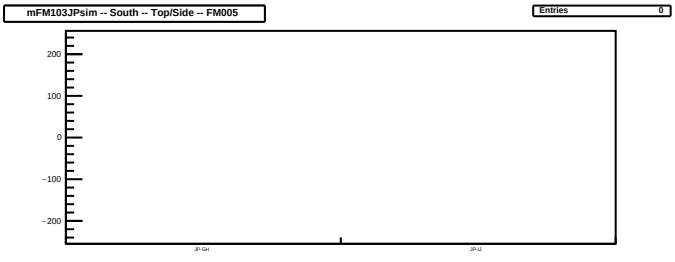

mFM103BS -- South -- Top/Side --FM005
Entries 1.007218e+07
2.51806e+06
2.51806e+06
2.51806e+06
2.51806e+06
BS3
BS2
BS1
Unused

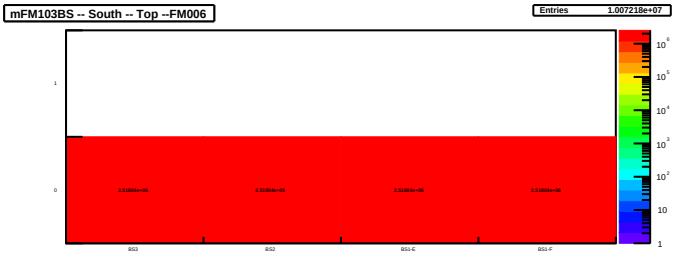

mFM103BSsim -- South -- Top/Side --FM0005
Entries 0
BS3
BS2
BS1
Unused

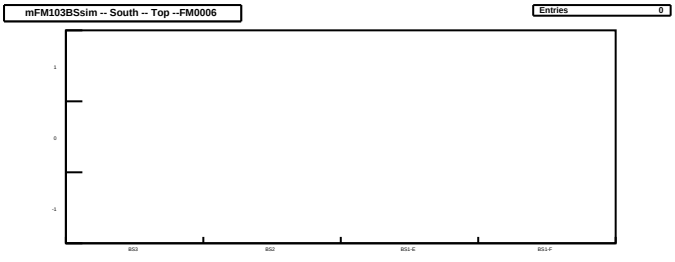

mFM103J -- South -- Top/Side -- FM005
Entries 2518045
J(23)

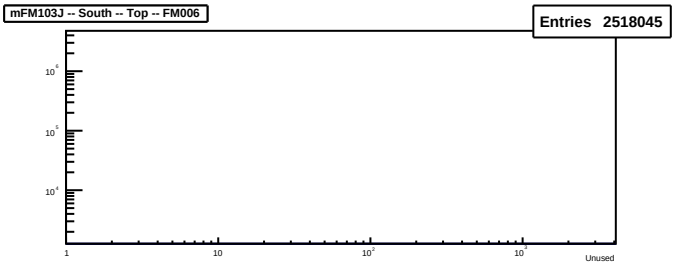

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

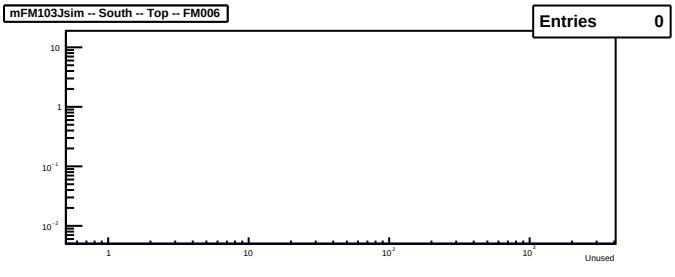

mFM103JP -- South -- Top/Side -- FM005
Entries 5036090
JP-GH
JP-IJ

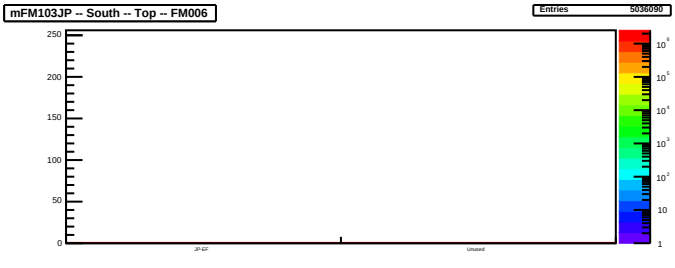

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-IJ

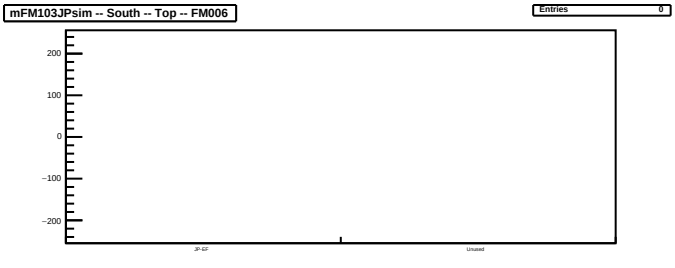

mFM103BS -- South -- Top --FM006
Entries 1.007218e+07
2.51806e+06
2.51806e+06
2.51806e+06
2.51806e+06
BS3
BS2
BS1-E
BS1-F

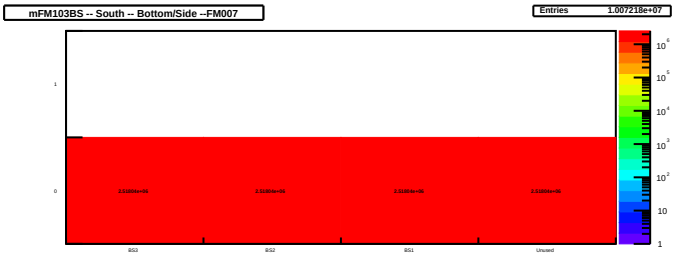

mFM103BSsim -- South -- Top --FM0006
Entries 0
BS3
BS2
BS1-E
BS1-F

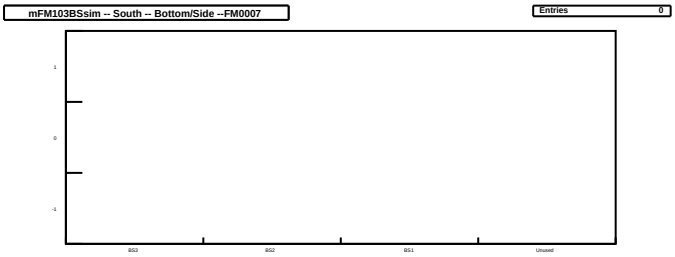

mFM103J -- South -- Top -- FM006
Entries 2518045
Unused

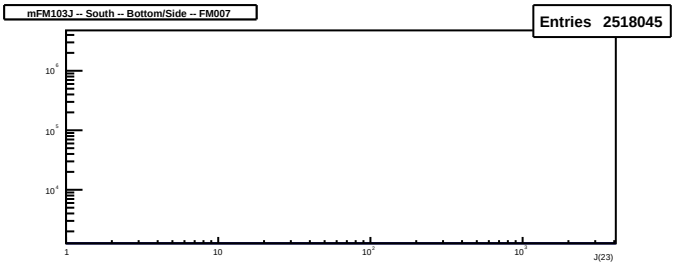

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

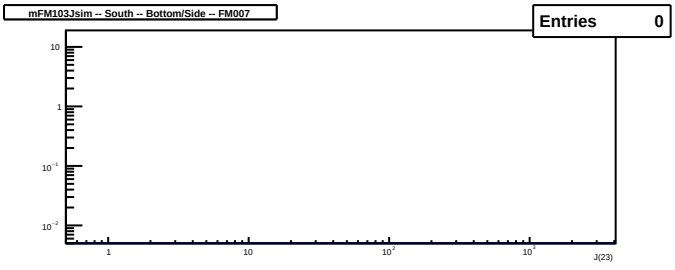

mFM103JP -- South -- Top -- FM006
Entries 5036090
JP-EF
Unused

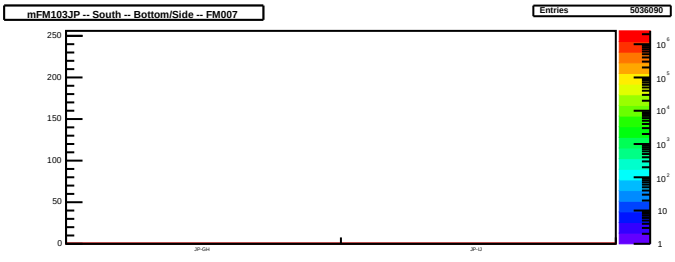

mFM103JPsim -- South -- Top -- FM006
Entries 0
JP-EF
Unused

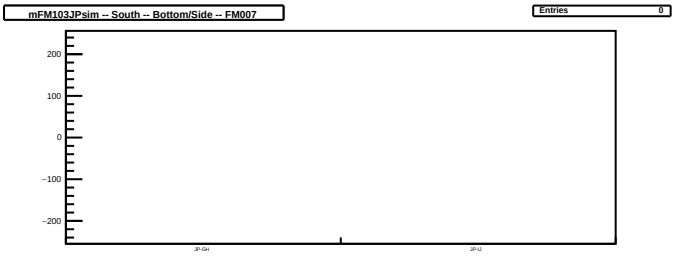

mFM103BS -- South -- Bottom/Side --FM007
Entries 1.007218e+07
BS3
BS2
BS1
Unused

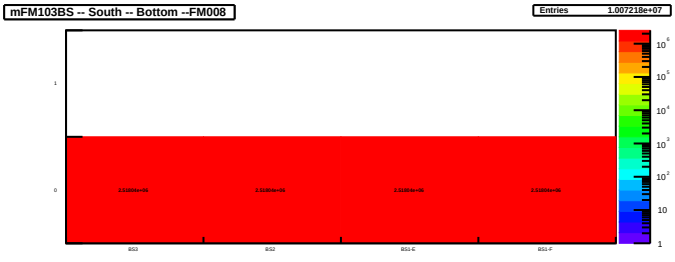

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 0
BS3
BS2
BS1
Unused

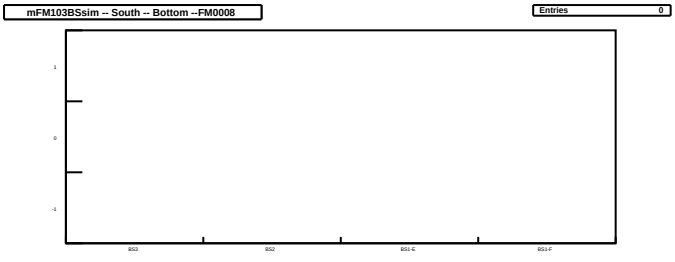

mFM103J -- South -- Bottom/Side -- FM007
Entries 2518045
J(23)

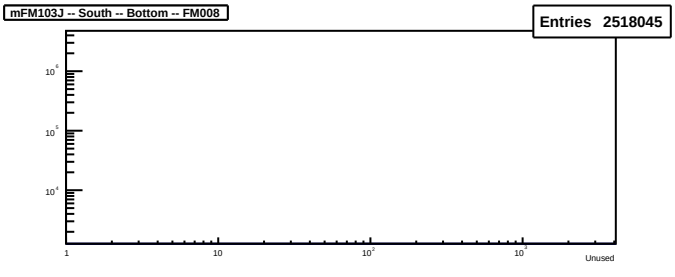

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

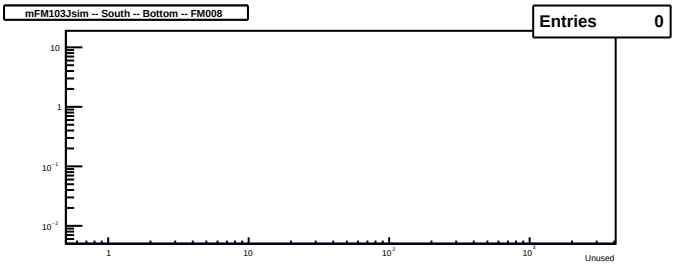

mFM103JP -- South -- Bottom/Side -- FM007
Entries 5036090
JP-GH
JP-IJ


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

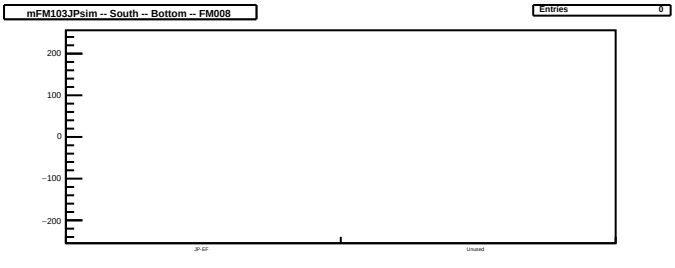

mFM103BS -- South -- Bottom --FM008
Entries 1.007218e+07
BS3
BS2
BS1-E
BS1-F

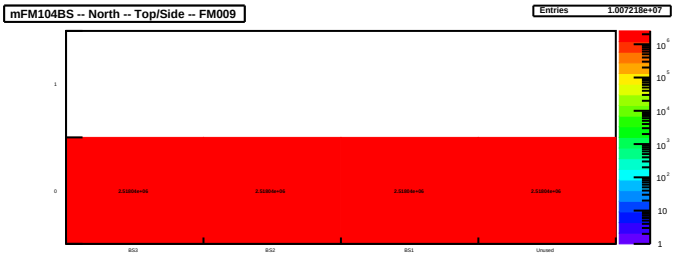

mFM103BSsim -- South -- Bottom --FM0008
Entries 0
BS3
BS2
BS1-E
BS1-F

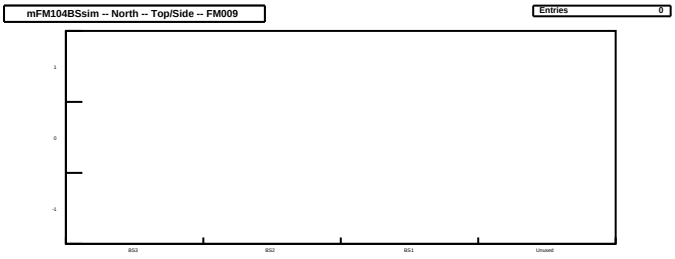

mFM103J -- South -- Bottom -- FM008
Entries 2518045
Unused

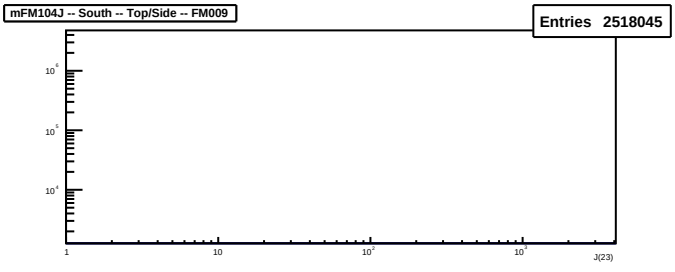

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

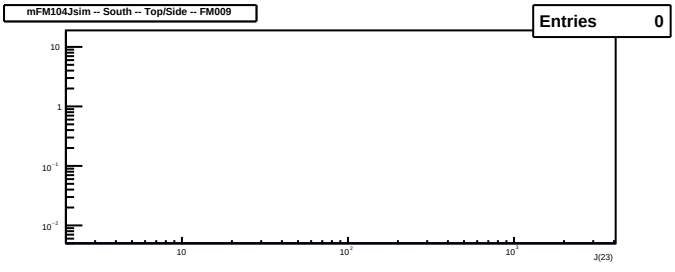
mFM103JP -- South -- Bottom -- FM008
Entries 5036090
JP-EF
Unused

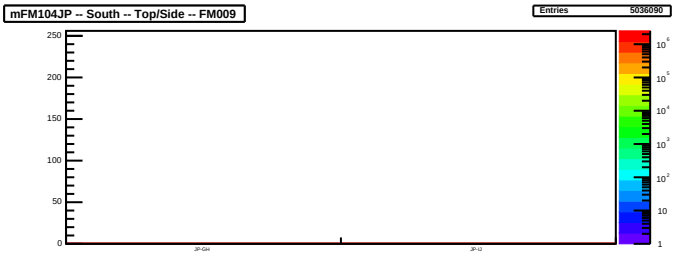

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

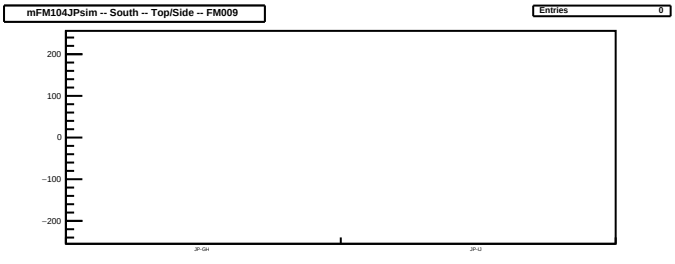

mFM104BS -- North -- Top/Side -- FM009
Entries 1.007218e+07
BS3
BS2
BS1
Unused

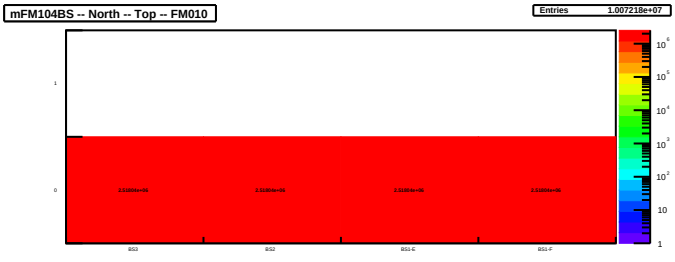

mFM104BSsim -- North -- Top/Side -- FM009
Entries 0
BS3
BS2
BS1
Unused

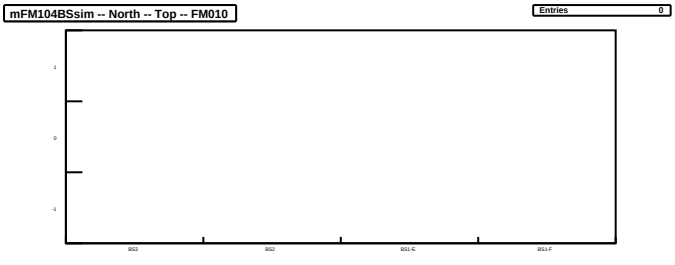

mFM104J -- South -- Top/Side -- FM009
Entries 2518045
J(23)

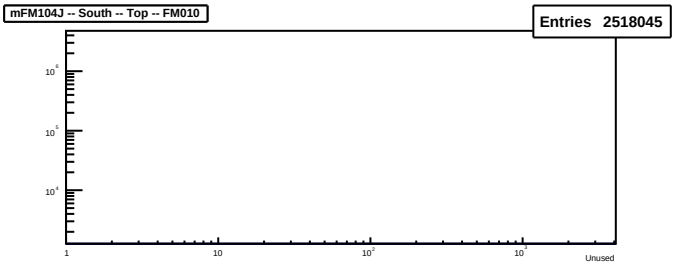

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

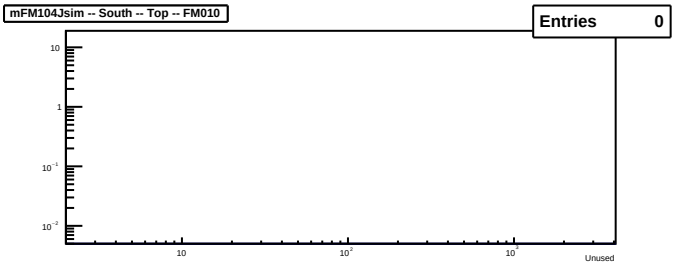

mFM104JP -- South -- Top/Side -- FM009
Entries 5036090
JP-GH
JP-IJ


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

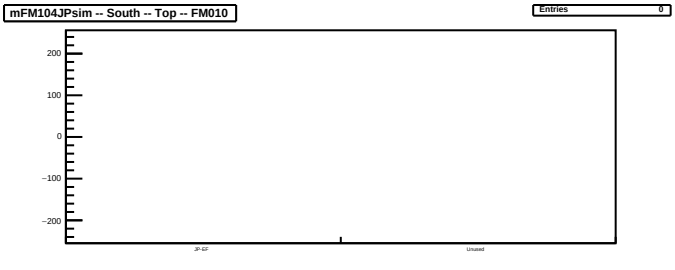

mFM104BS -- North -- Top -- FM010
Entries 1.007218e+07
BS3
BS2
BS1-E
BS1-F

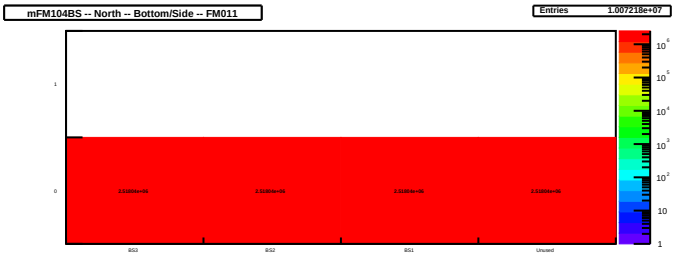

mFM104BSsim -- North -- Top -- FM010
Entries 0
BS3
BS2
BS1-E
BS1-F

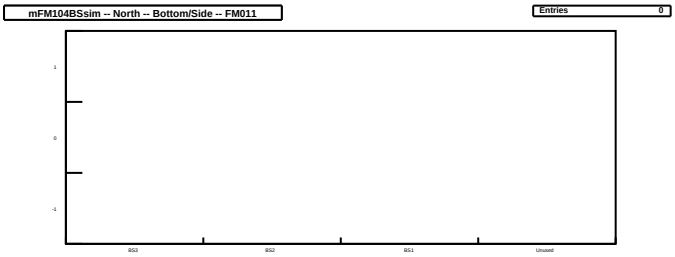

mFM104J -- South -- Top -- FM010
Entries 2518045
Unused

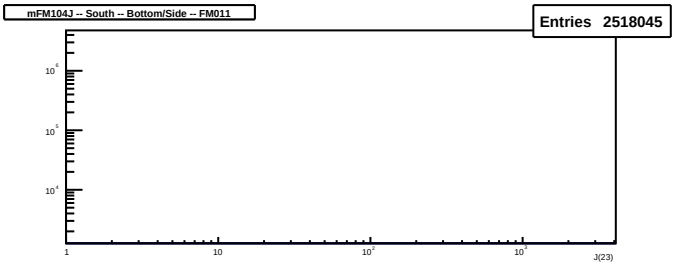

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

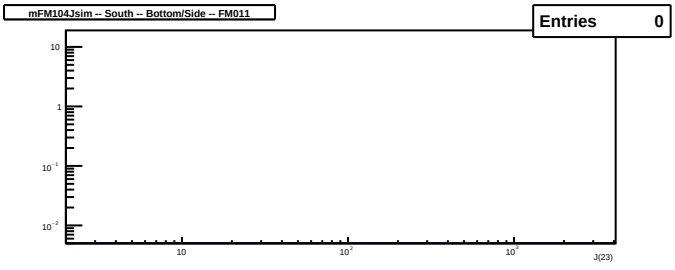
mFM104JP -- South -- Top -- FM010
Entries 5036090
JP-EF
Unused

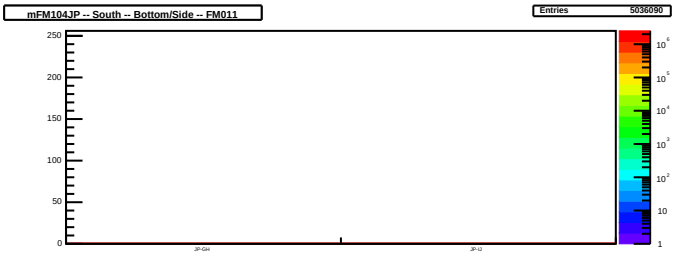

mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

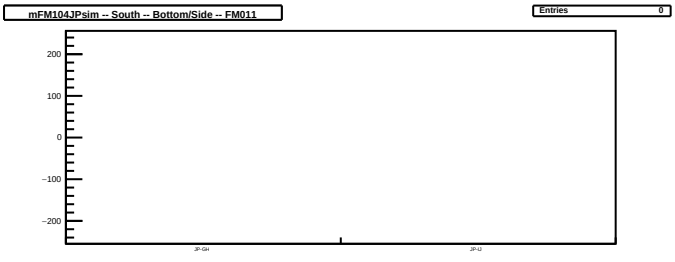

mFM104BS -- North -- Bottom/Side -- FM011
Entries 1.007218e+07
BS3
BS2
BS1
Unused

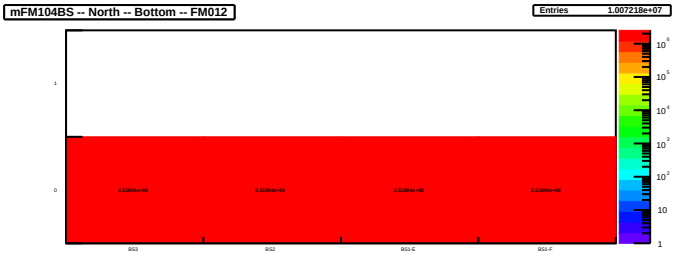

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 0
BS3
BS2
BS1
Unused

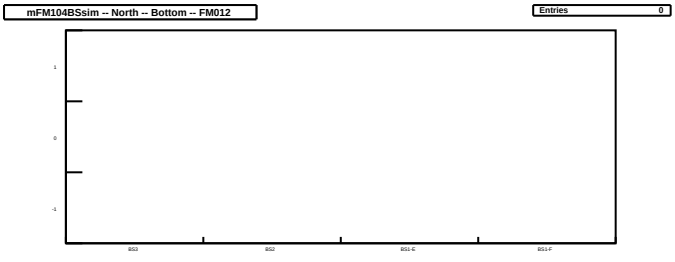

mFM104J -- South -- Bottom/Side -- FM011
Entries 2518045
J(23)

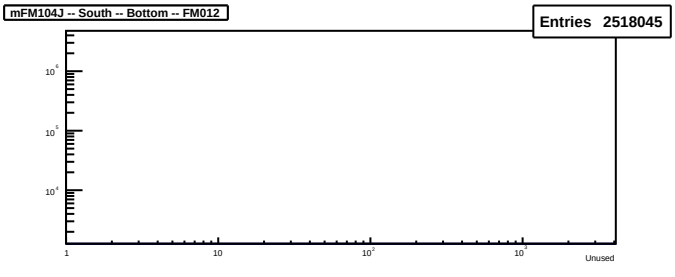

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

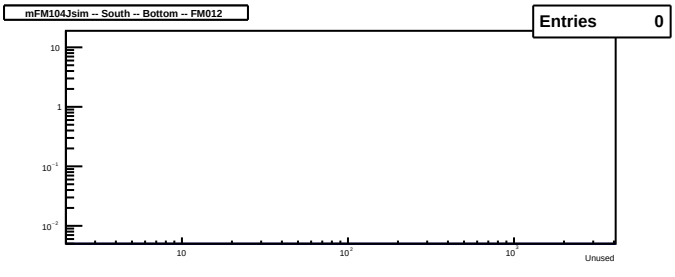

mFM104JP -- South -- Bottom/Side -- FM011
Entries 5036090
JP-GH
JP-U


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


mFM104BS -- North -- Bottom -- FM012
Entries 1.007218e+07
BS3
BS2
BS1-E
BS1-F

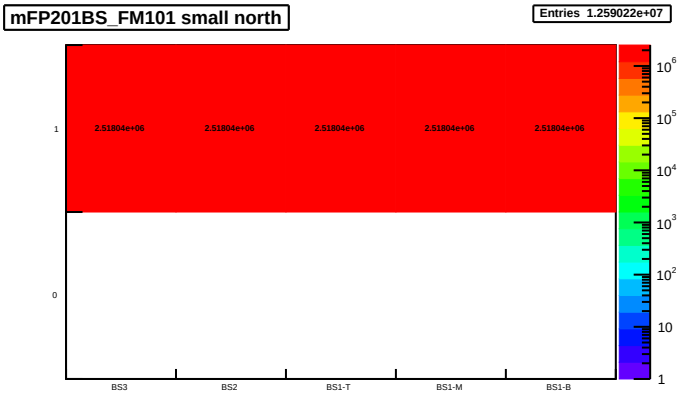

mFM104BSsim -- North -- Bottom -- FM012
Entries 0
BS3
BS2
BS1-E
BS1-F

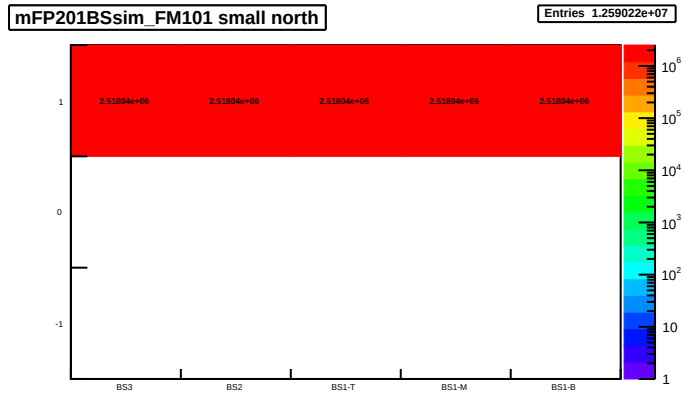

mFM104J -- South -- Bottom -- FM012
Entries 2518045
Unused

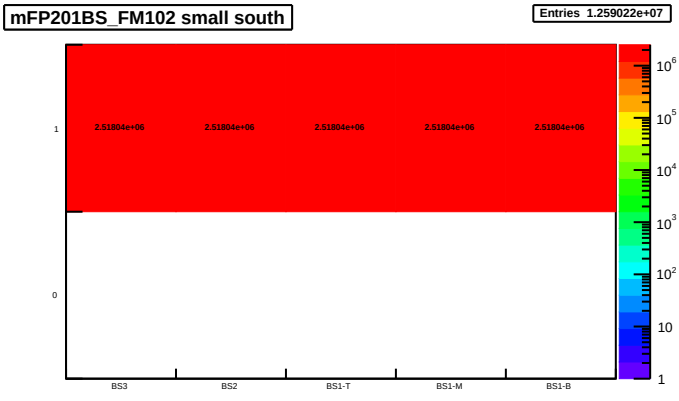

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

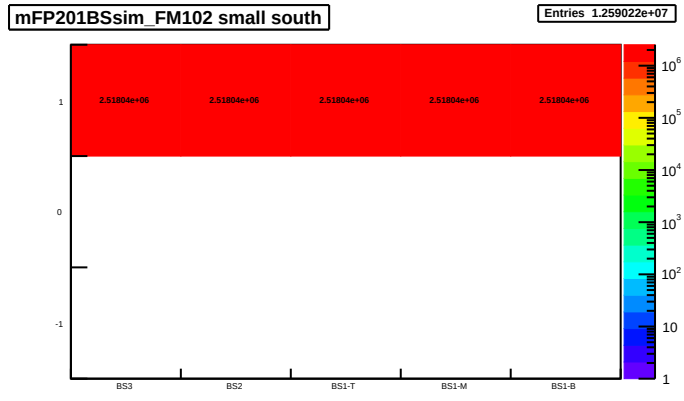
mFM104JP -- South -- Bottom -- FM012
Entries 5036090
JP-EF
Unused

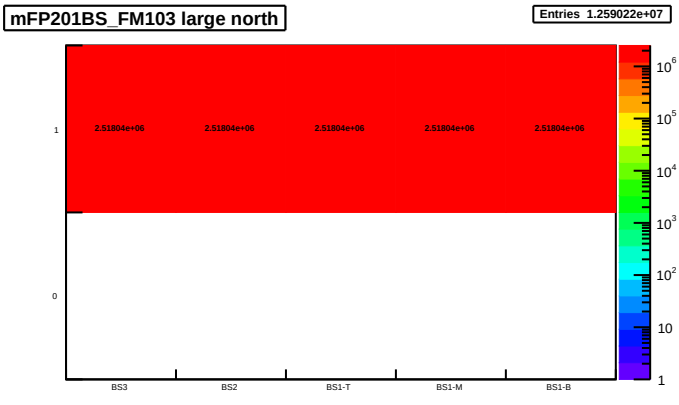
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

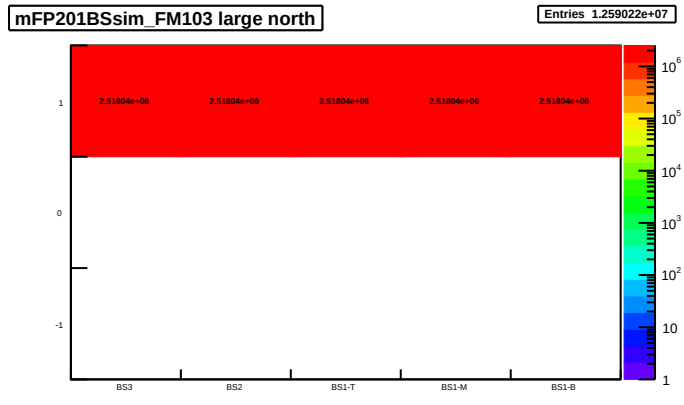

mFP201BS_FM101 small north
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

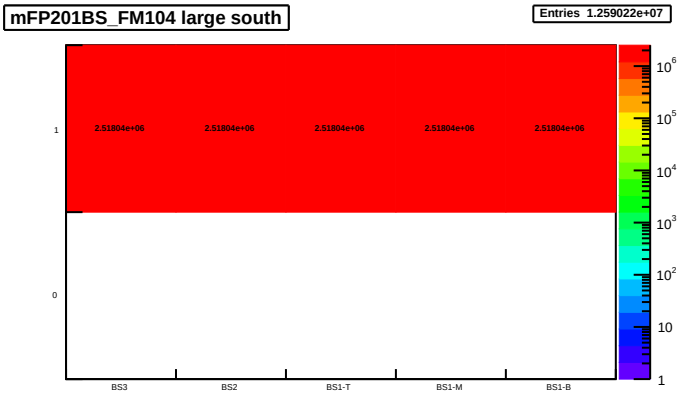

mFP201BSsim_FM101 small north
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

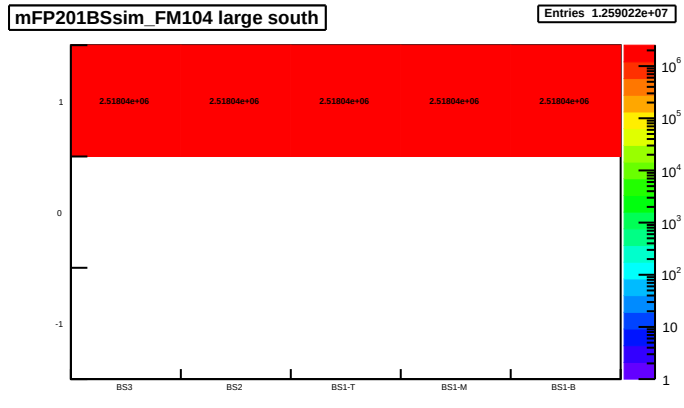

mFP201BS_FM102 small south
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

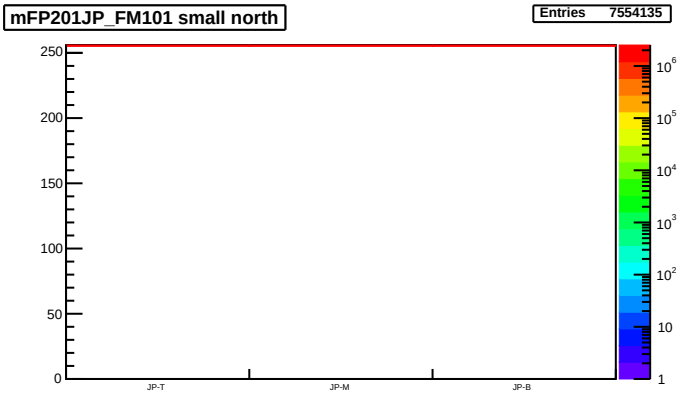

mFP201BSsim_FM102 small south
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

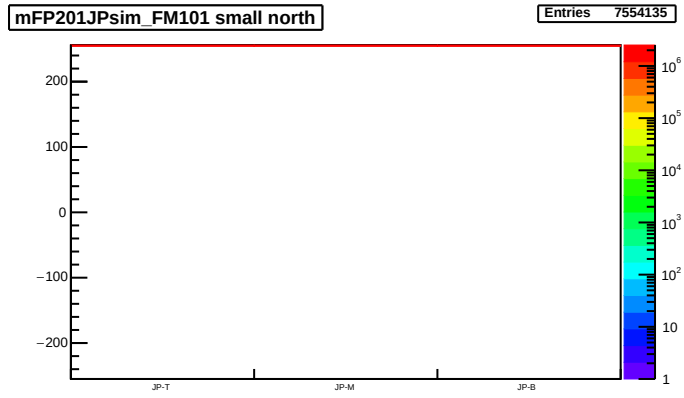

mFP201BS_FM103 large north
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

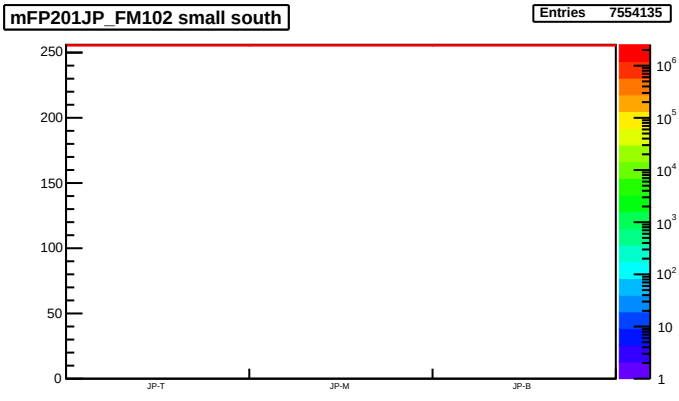

mFP201BSsim_FM103 large north
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

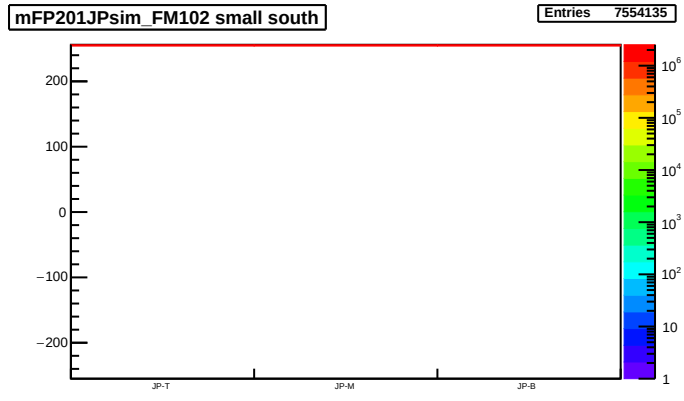

mFP201BS_FM104 large south
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

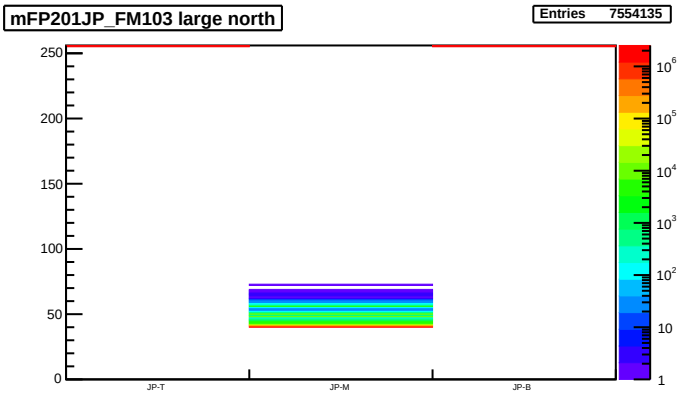

mFP201BSsim_FM104 large south
Entries 1.259022e+07
2.51804e+06
BS3
BS2
BS1-T
BS1-M
BS1-B

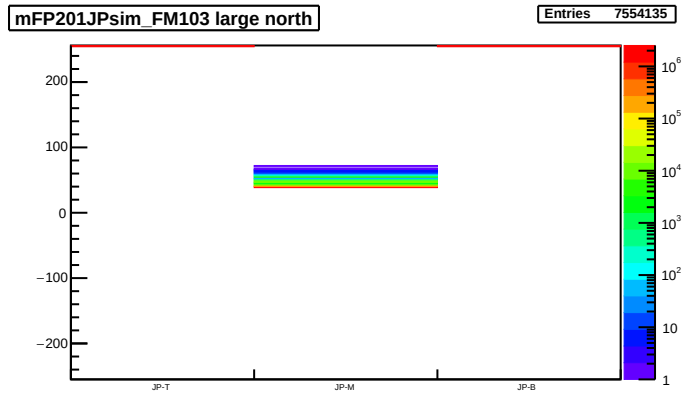

mFP201JP_FM101 small north
Entries 7554135
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

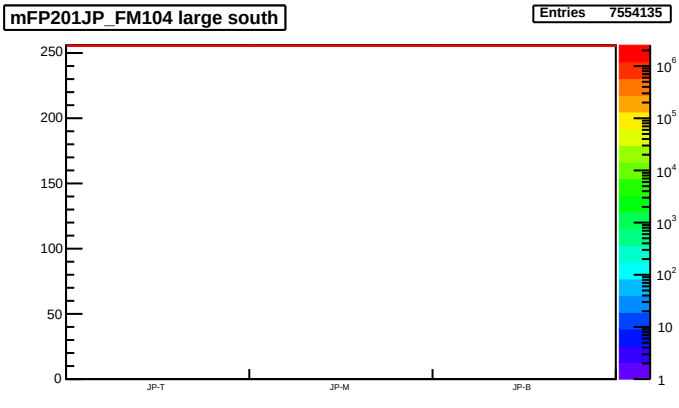

mFP201JPsim_FM101 small north
Entries 7554135
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

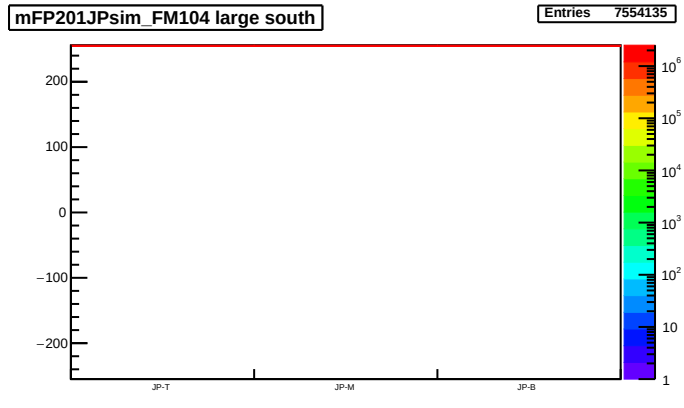

mFP201JP_FM102 small south
Entries 7554135
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

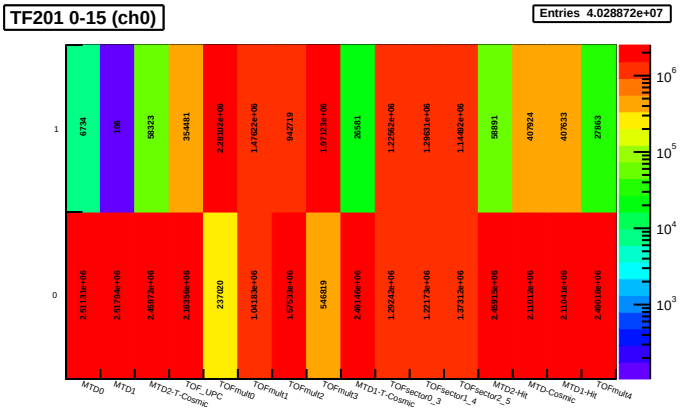

mFP201JPsim_FM102 small south
Entries 7554135
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

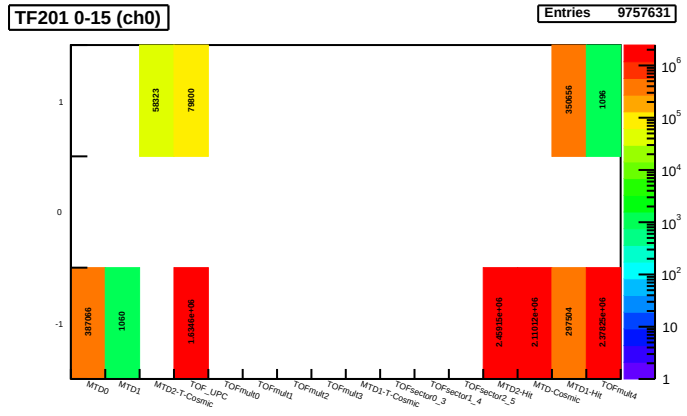

mFP201JP_FM103 large north
Entries 7554135
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

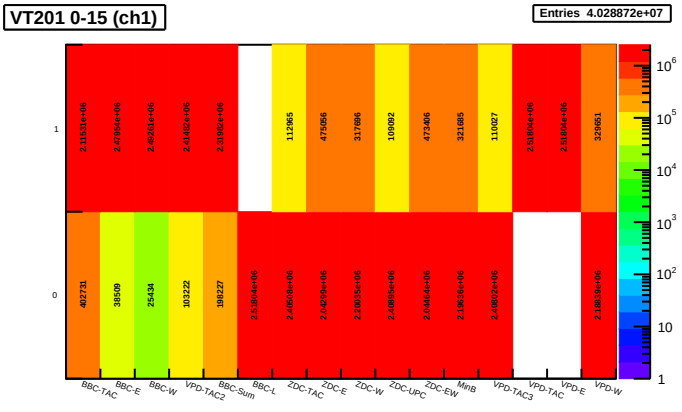

mFP201JPsim_FM103 large north
Entries 7554135
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

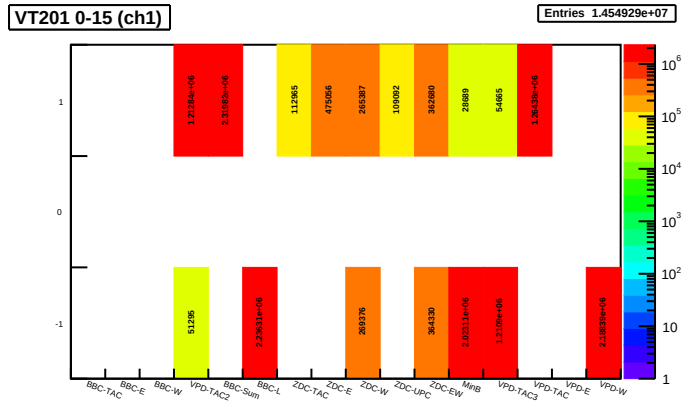

mFP201JP_FM104 large south
Entries 7554135
250
200
150
100
50
0
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

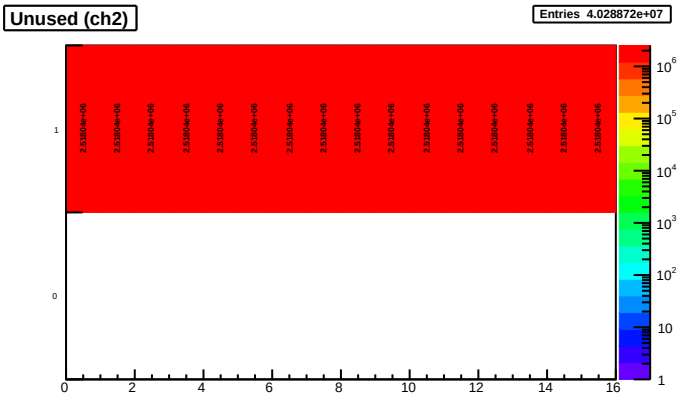

mFP201JPsim_FM104 large south
Entries 7554135
200
100
0
−100
−200
JP-T
JP-M
JP-B
10^6
10^5
10^4
10^3
10^2
10
1

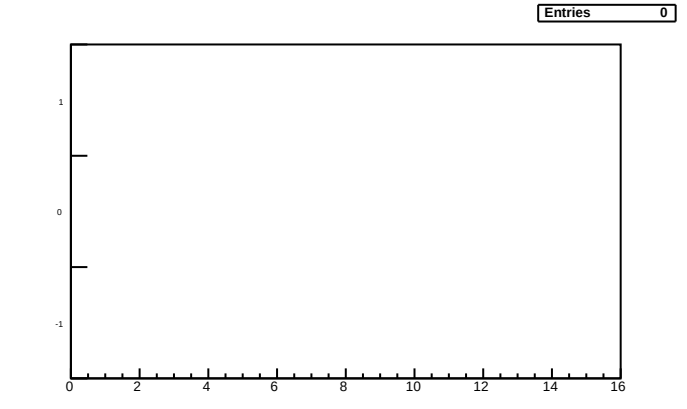

TF201 0-15 (ch0)
Entries 4.028872e+07
6734 106 58323 354481 2.23102e+06 1.47622e+06 942719 1.97123e+06 26581 1.22562e+06 1.23631e+06 1.14492e+06 58891 407924 407633 279563
2.51331e+06 2.51794e+06 2.45972e+06 2.16356e+06 237020 1.04183e+06 1.57533e+06 546819 2.45146e+06 1.28242e+06 1.22173e+06 1.37312e+06 2.45915e+06 2.11012e+06 2.11041e+06 2.40018e+06
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

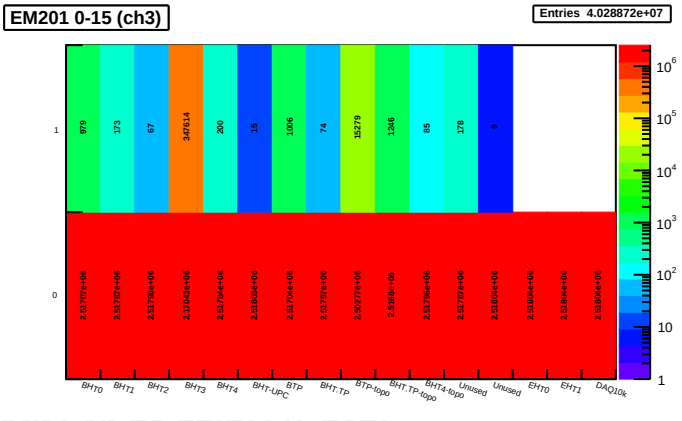

TF201 0-15 (ch0)
Entries 9757631
58323 79800 350656 1096
387066 1060 1.63456e+06 2.45915e+06 2.11012e+06 297304 2.37825e+06
MTD0 MTD1 MTD2-T-Cosmic TOF_UPC TOFmult0 TOFmult1 TOFmult2 TOFmult3 MTD1-T-Cosmic TOFsector0_3 TOFsector1_4 TOFsector2_5 MTD2-Hit MTD-Cosmic MTD1-Hit TOFmult4

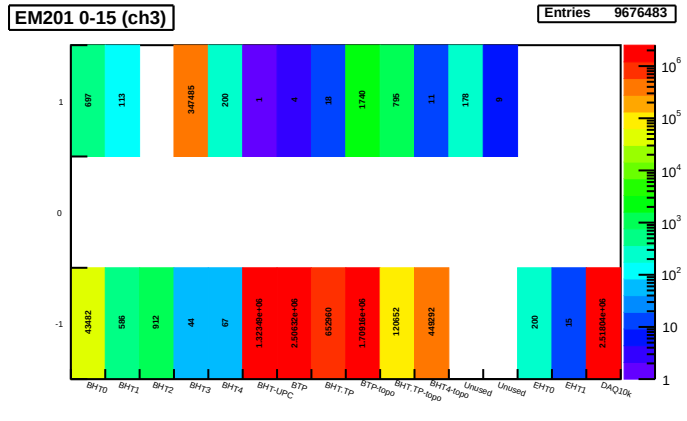

VT201 0-15 (ch1)
Entries 4.028872e+07
2.11531e+06 2.47954e+06 2.40261e+06 2.41482e+06 2.31982e+06 112965 475056 317896 109092 473406 321685 110027 2.51804e+06 2.51804e+06 329951
402731 38509 25434 103222 193227 2.51804e+06 2.40908e+06 2.04299e+06 2.20035e+06 2.40895e+06 2.04464e+06 2.19538e+06 2.40822e+06 2.18039e+06
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

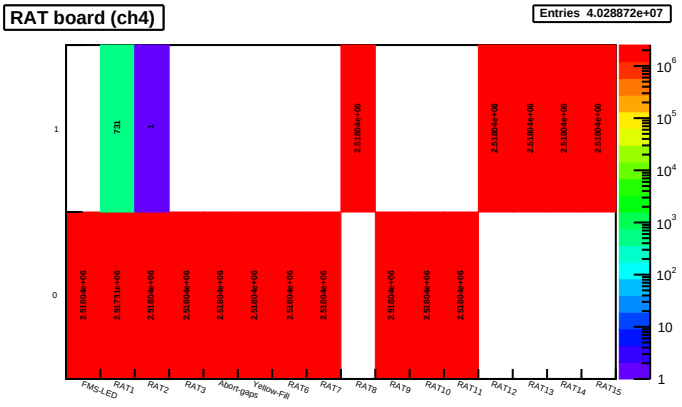

VT201 0-15 (ch1)
Entries 1.454929e+07
1.21294e+06 2.31582e+06 112965 475056 265387 109092 362680 29689 54665 1.26438e+06
51295 2.23631e+06 269376 364330 2.02311e+06 1.2109e+06 2.18039e+06
BBC-TAC BBC-E BBC-W VPD-TAC2 BBC-Sum BBC-L ZDC-TAC ZDC-E ZDC-W ZDC-UPC ZDC-EW MinB VPD-TAC3 VPD-TAC VPD-E VPD-W

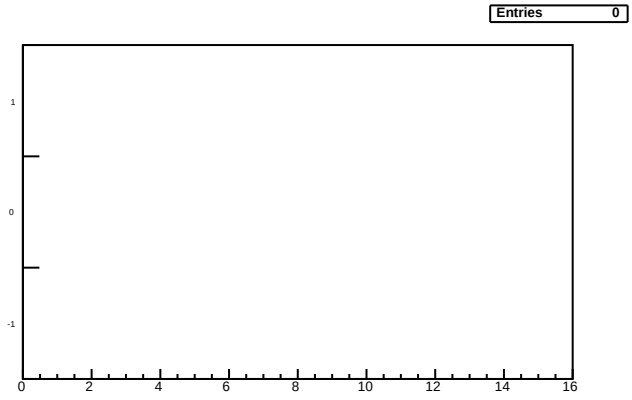

Unused (ch2)
Entries 4.028872e+07
2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06

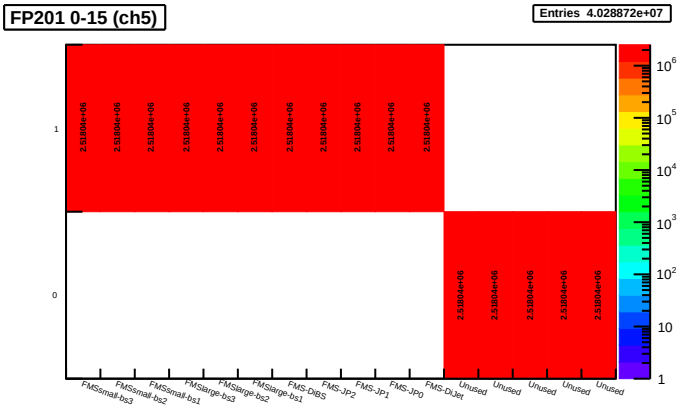

Entries 0

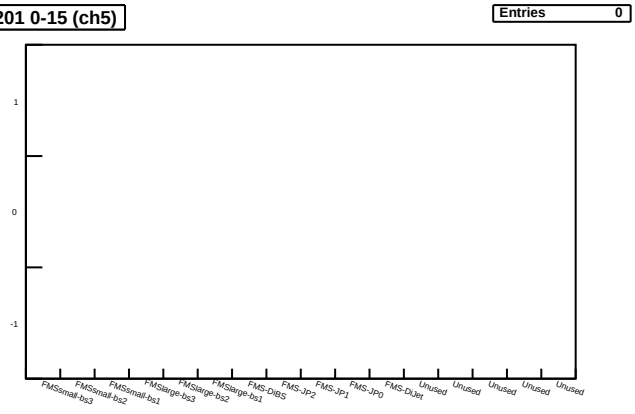

EM201 0-15 (ch3)
Entries 4.028872e+07
979 173 67 347614 200 15 1006 74 15279 1246 85 178 9
2.51707e+06 2.51787e+06 2.51798e+06 2.17043e+06 2.51784e+06 2.51803e+06 2.51704e+06 2.51797e+06 2.50277e+06 2.51818e+06 2.51795e+06 2.51791e+06 2.51804e+06 2.51804e+06 2.51804e+06 2.51804e+06
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

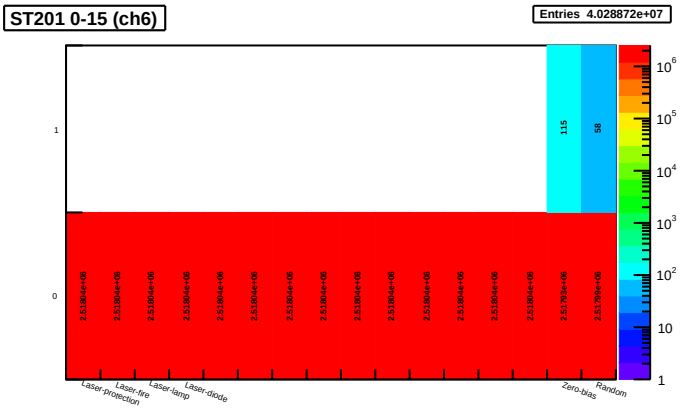

EM201 0-15 (ch3)
Entries 9676483
697 113 347485 200 1 4 18 1740 795 11 178 9
43482 586 912 44 67 1.32248e+06 2.50632e+06 652560 1.70918e+06 120652 449232 200 15 2.51804e+06
BHT0 BHT1 BHT2 BHT3 BHT4 BHT-UPC BTP BHT-TP BTP-topo BHT-TP-topo BHT4-topo Unused Unused EHT0 EHT1 DAQ10k

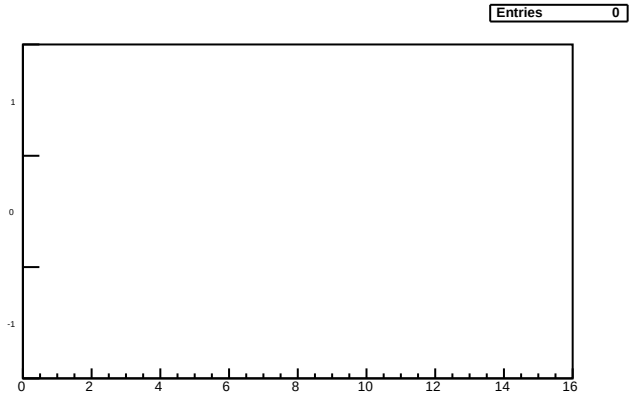

RAT board (ch4)
Entries 4.028872e+07
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15

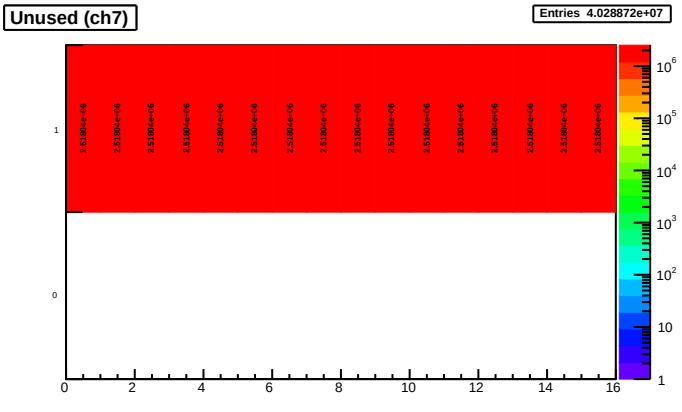

Entries 0

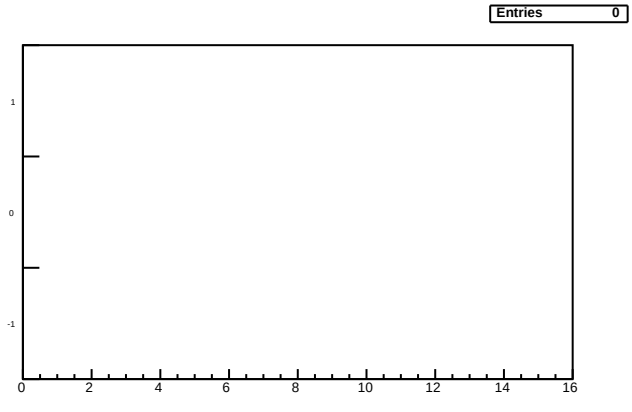

FP201 0-15 (ch5)
Entries 4.028872e+07
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused
Unused
Unused
Unused
Unused


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


ST201 0-15 (ch6)
Entries 4.028872e+07
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random


Entries 0


Unused (ch7)
Entries 4.028872e+07


Entries 0