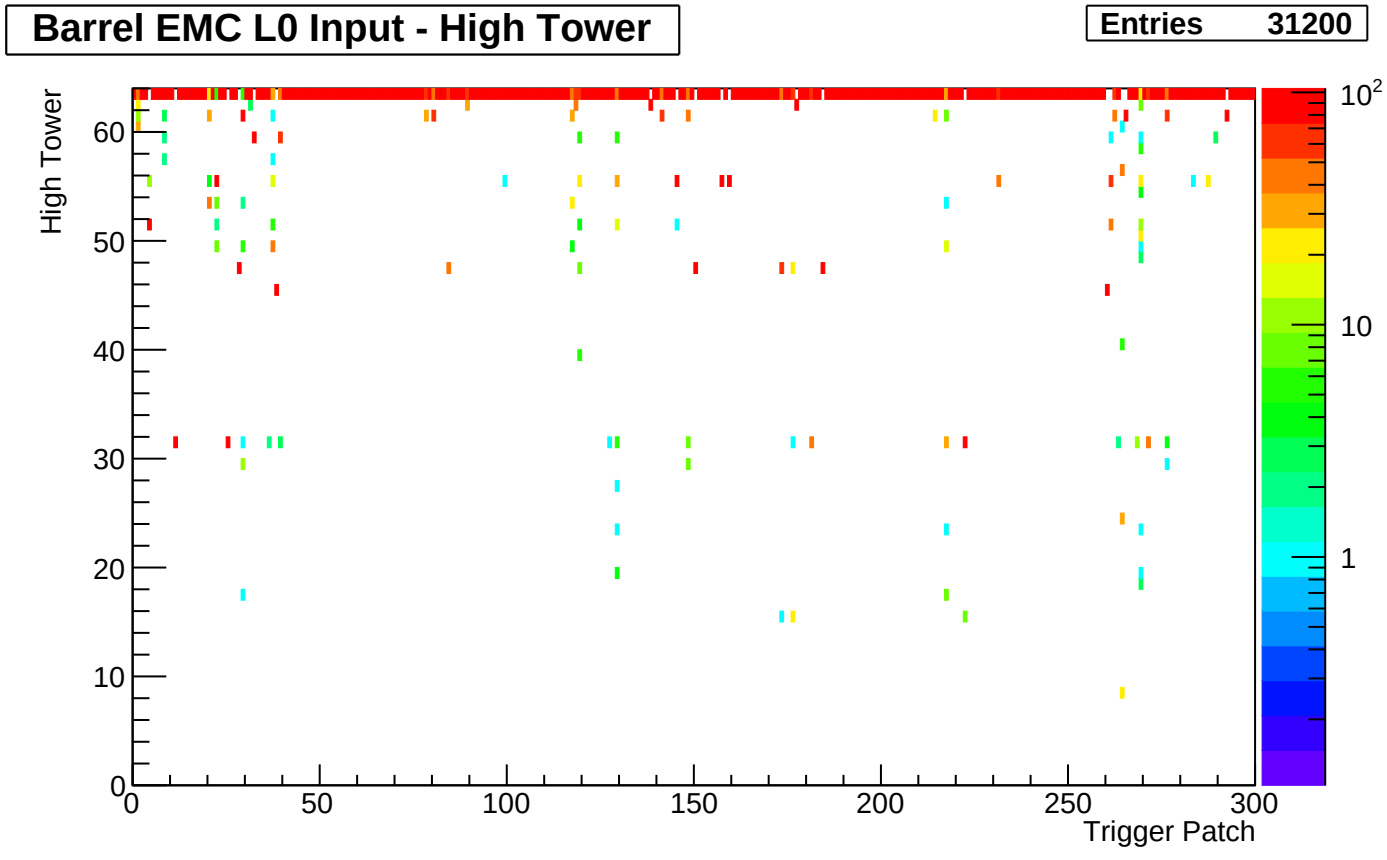
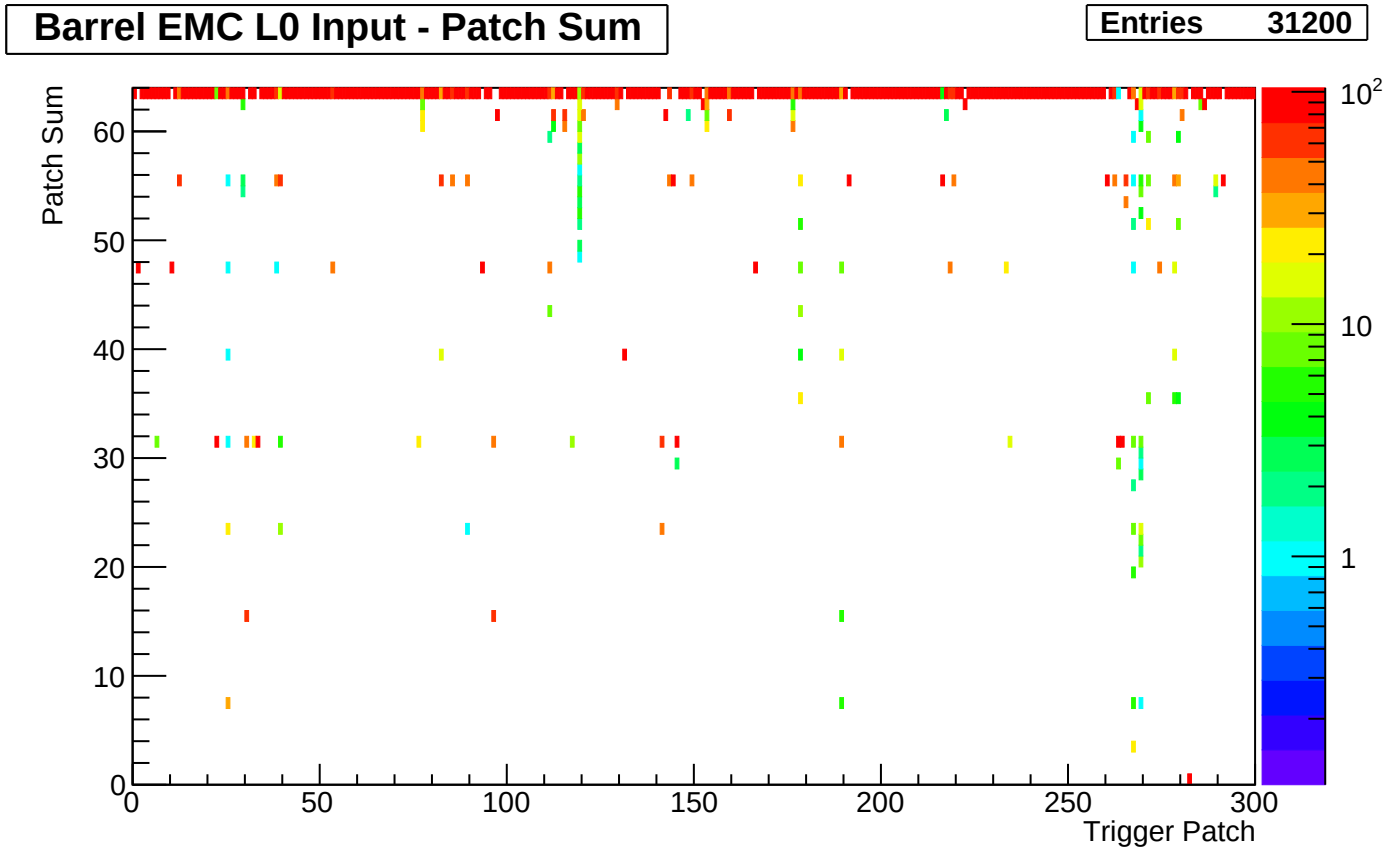
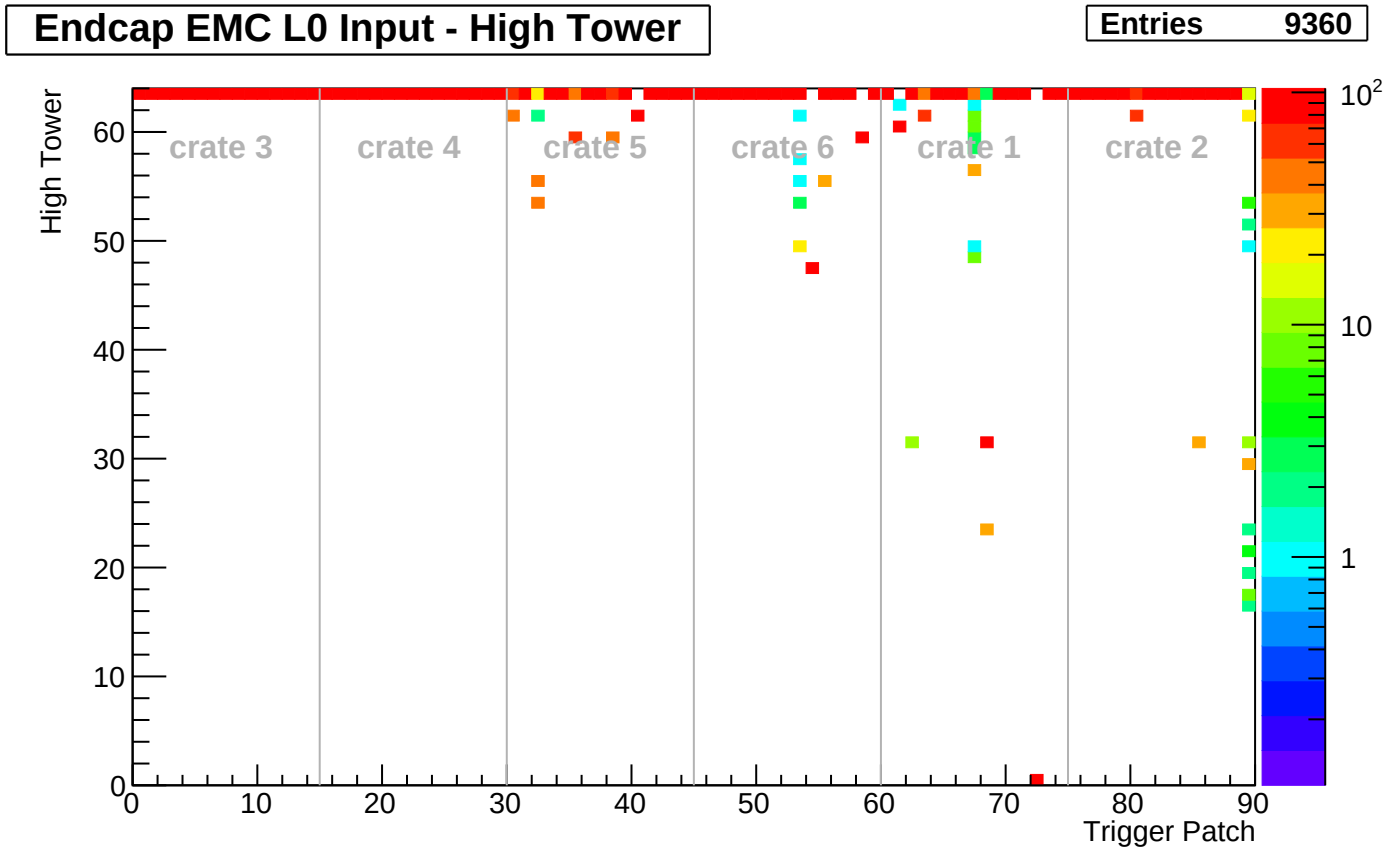
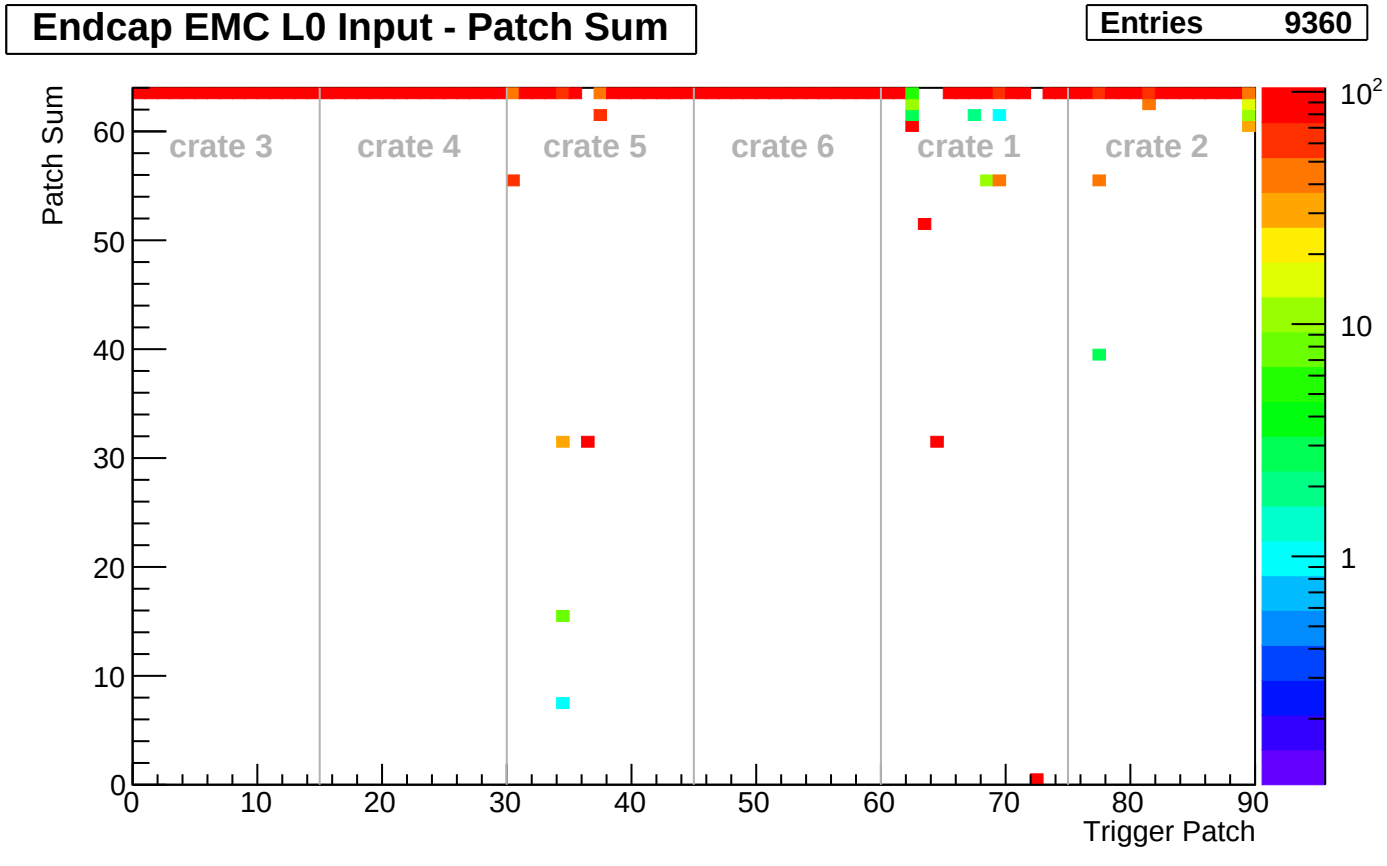
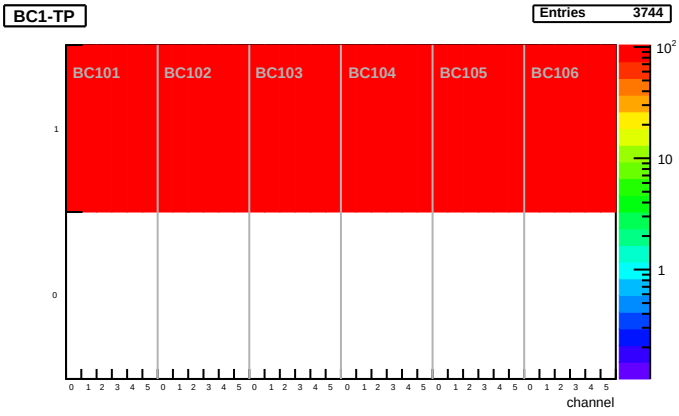
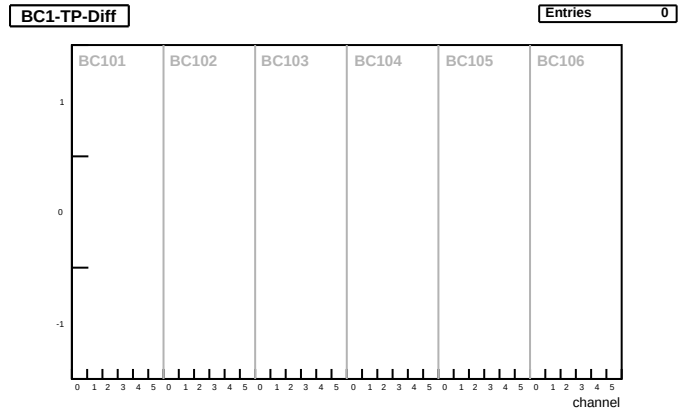

Barrel EMC L0 Input - High Tower
Entries 31200
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
10^2
10
1

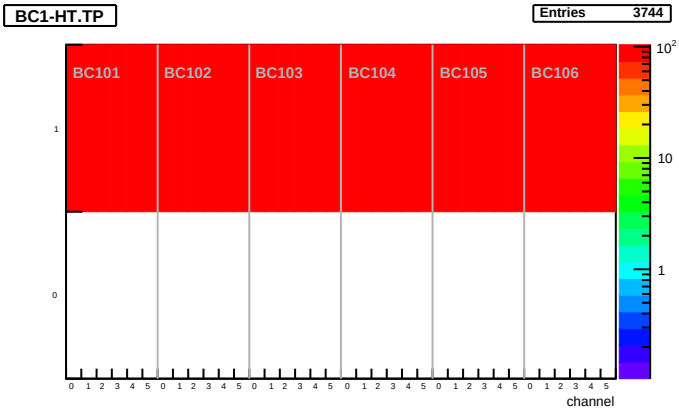

Barrel EMC L0 Input - Patch Sum
Entries 31200
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
10^2
10
1

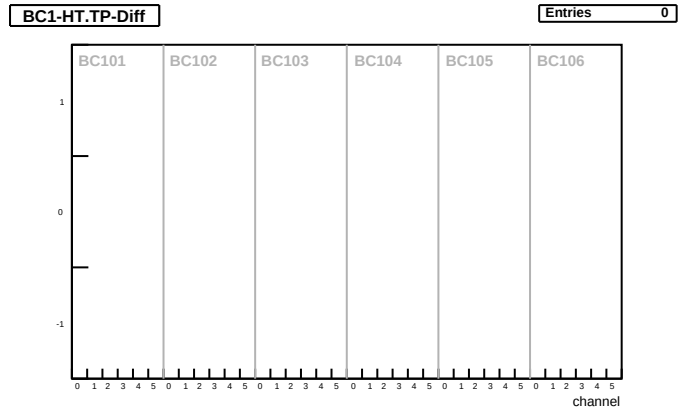

Endcap EMC L0 Input - High Tower
Entries 9360
High Tower
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

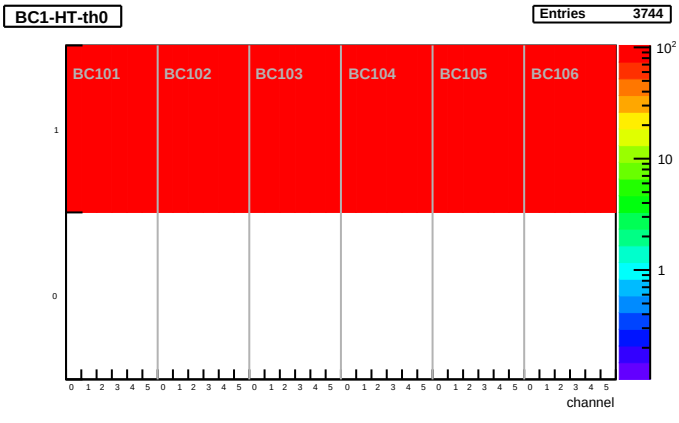

Endcap EMC L0 Input - Patch Sum
Entries 9360
Patch Sum
Trigger Patch
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2

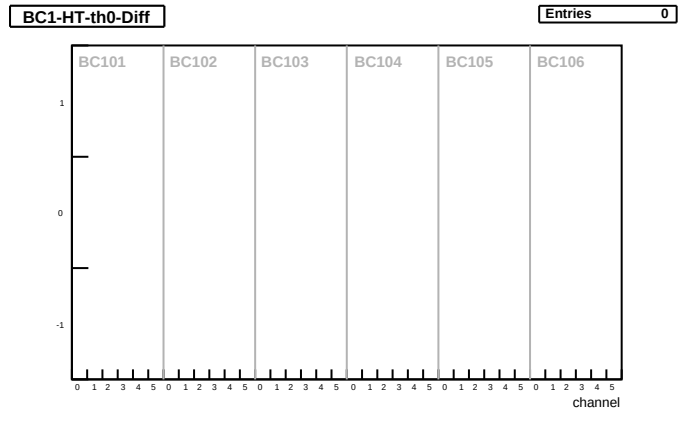

BC1-TP
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

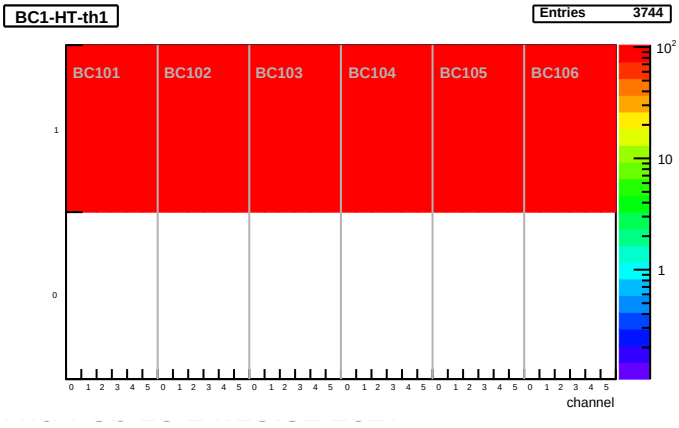

BC1-TP-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

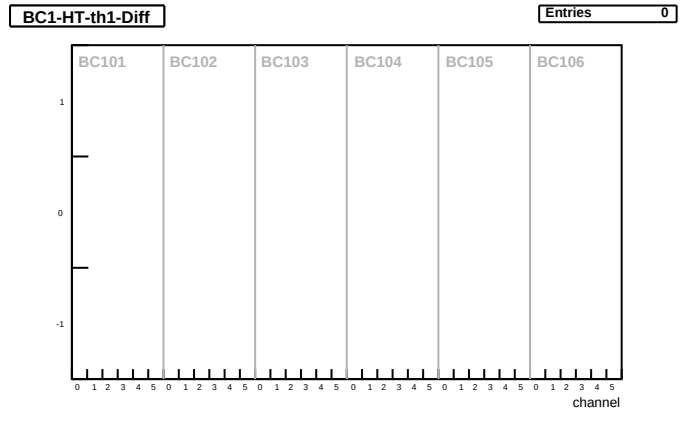

BC1-HT.TP
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

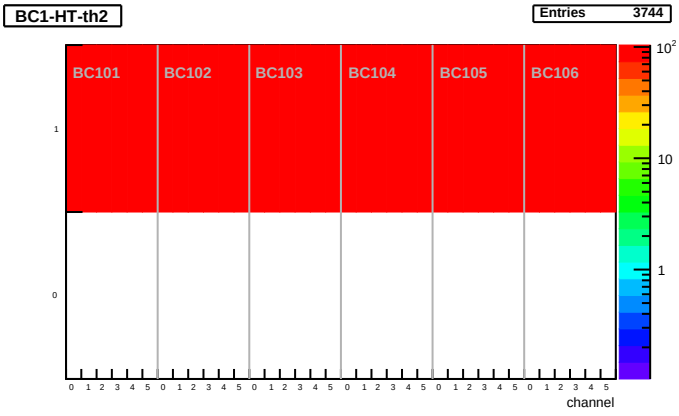

BC1-HT.TP-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

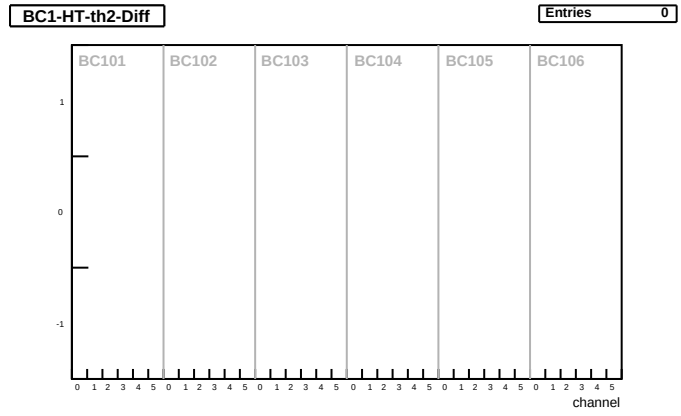

BC1-HT-th0
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

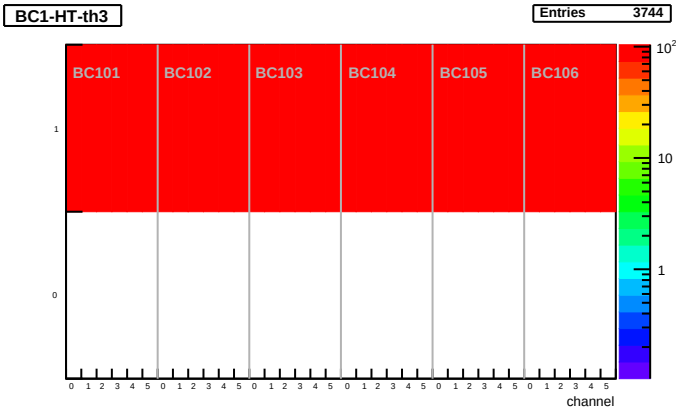

BC1-HT-th0-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

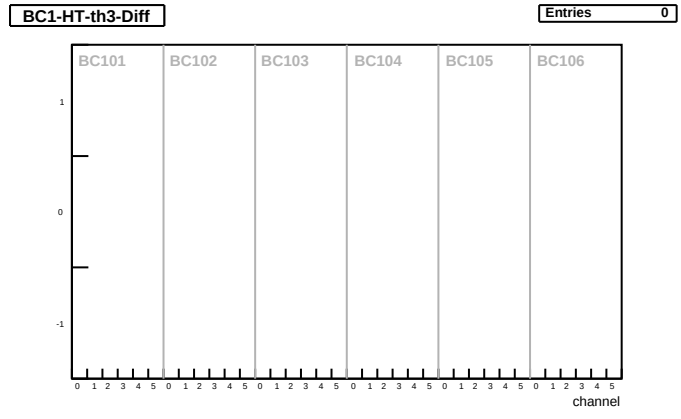

BC1-HT-th1
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

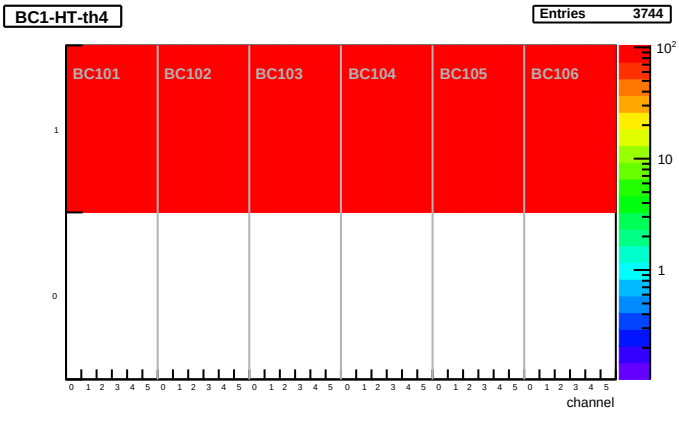

BC1-HT-th1-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

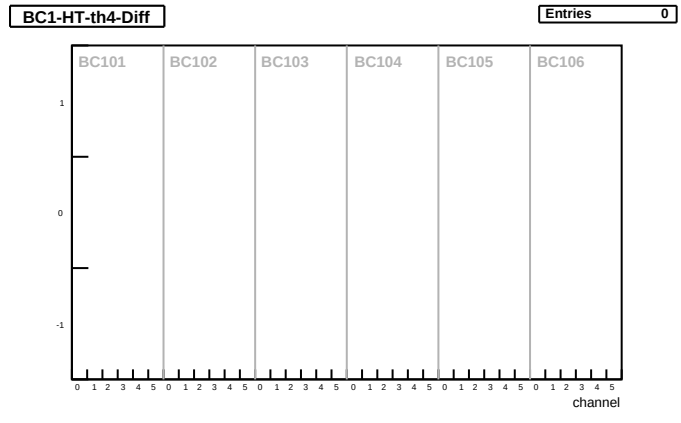

BC1-HT-th2
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

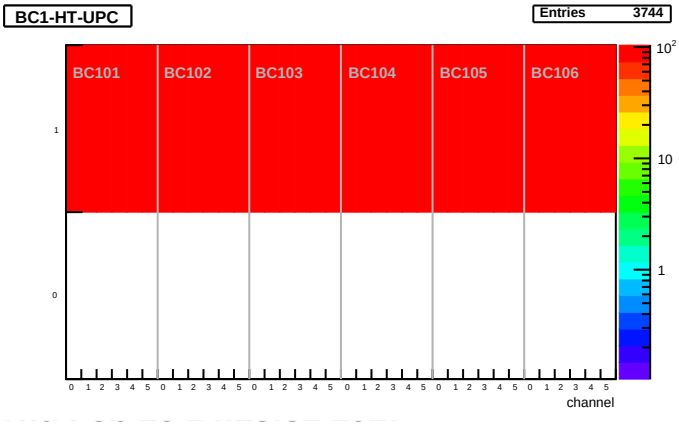

BC1-HT-th2-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

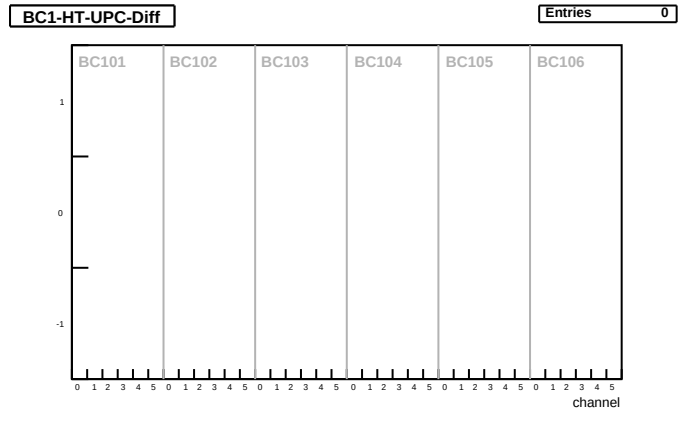

BC1-HT-th3
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

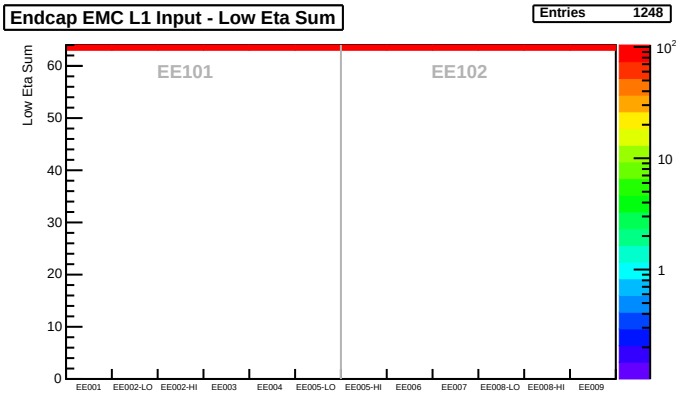

BC1-HT-th3-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

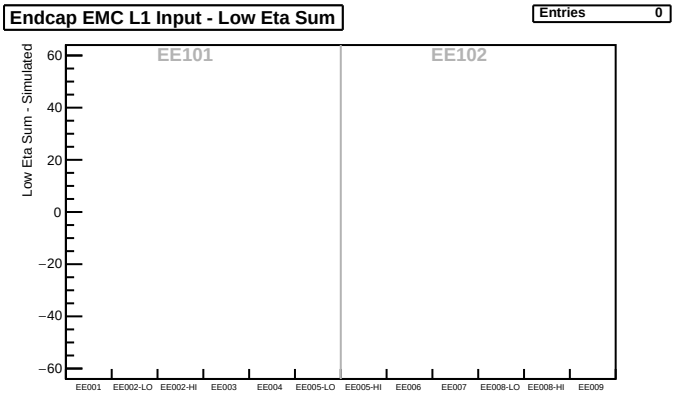

BC1-HT-th4
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

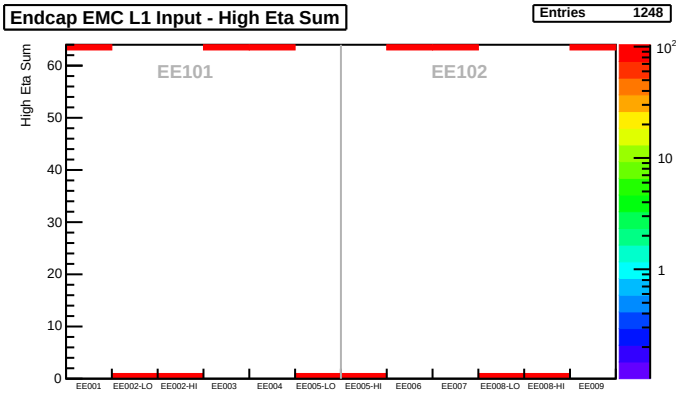

BC1-HT-th4-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

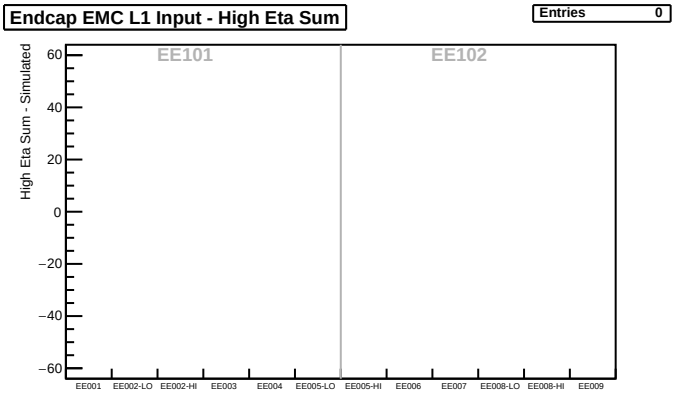

BC1-HT-UPC
Entries 3744
BC101
BC102
BC103
BC104
BC105
BC106
channel

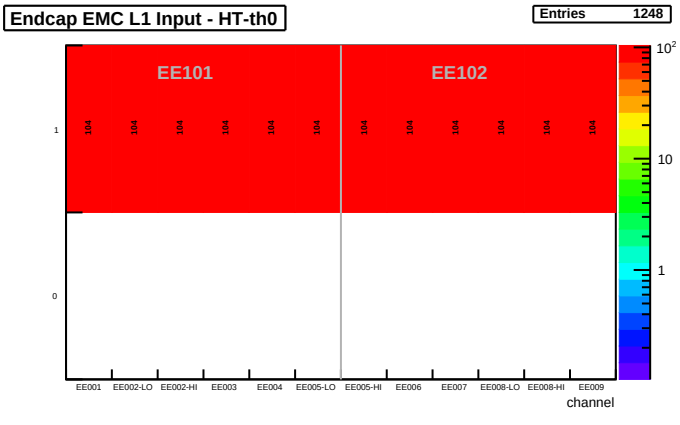

BC1-HT-UPC-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

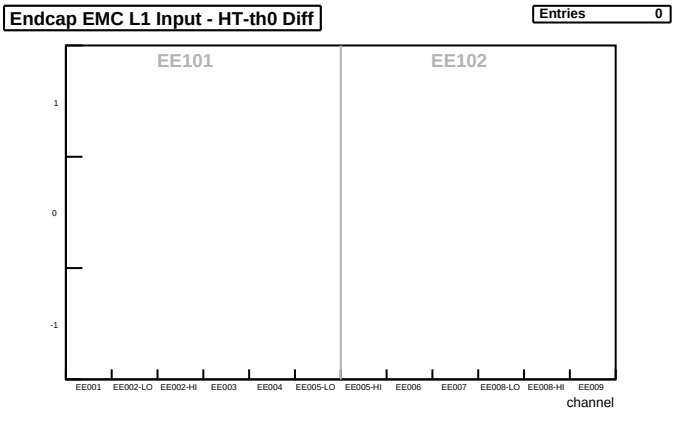

Endcap EMC L1 Input - Low Eta Sum
Entries 1248
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

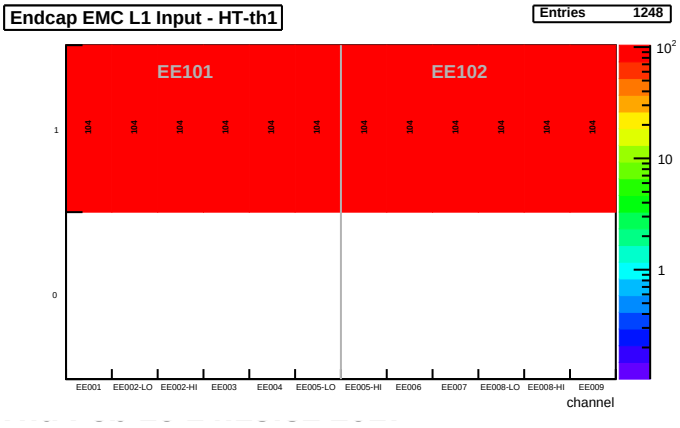

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

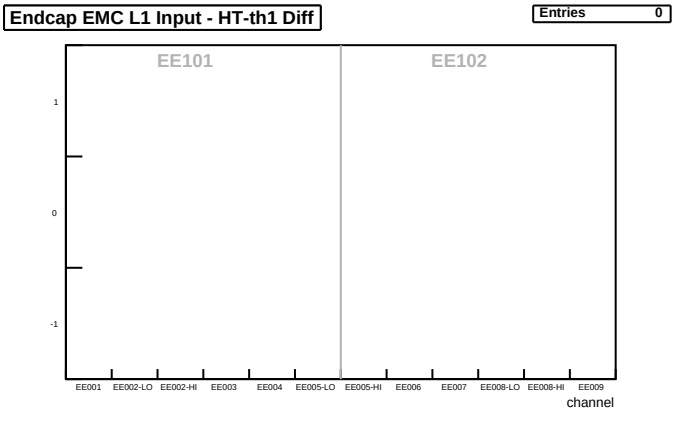

Endcap EMC L1 Input - High Eta Sum
Entries 1248
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

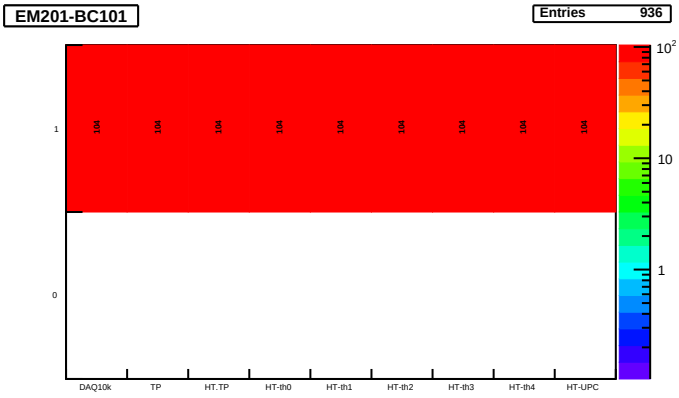

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

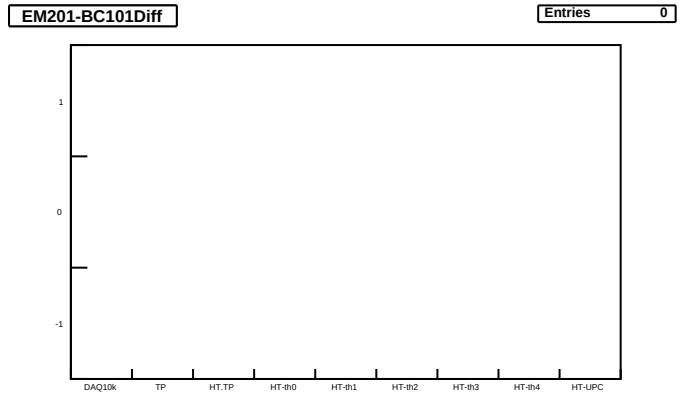

Endcap EMC L1 Input - HT-th0
Entries 1248
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

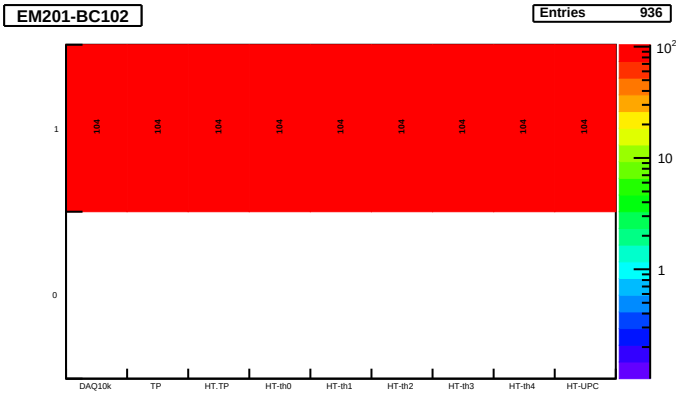

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

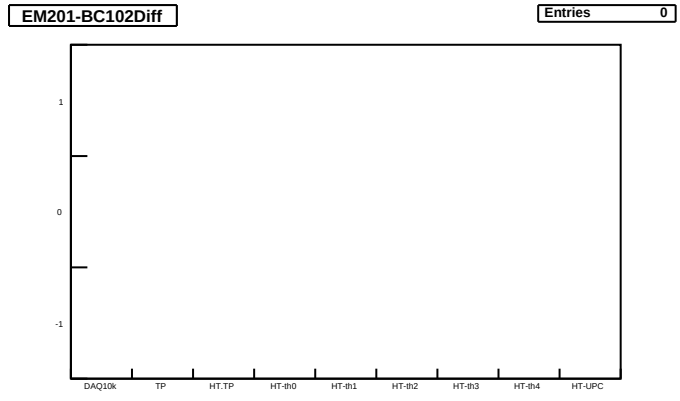

Endcap EMC L1 Input - HT-th1
Entries 1248
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

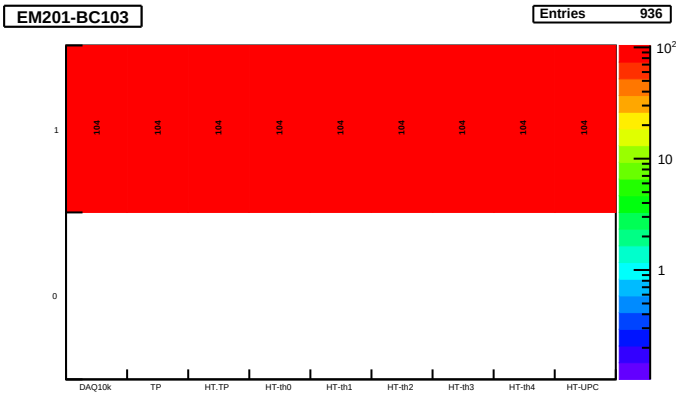

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

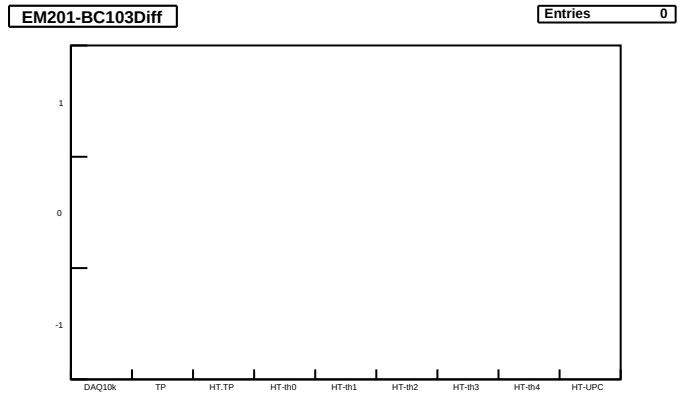

EM201-BC101
Entries 936
104
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

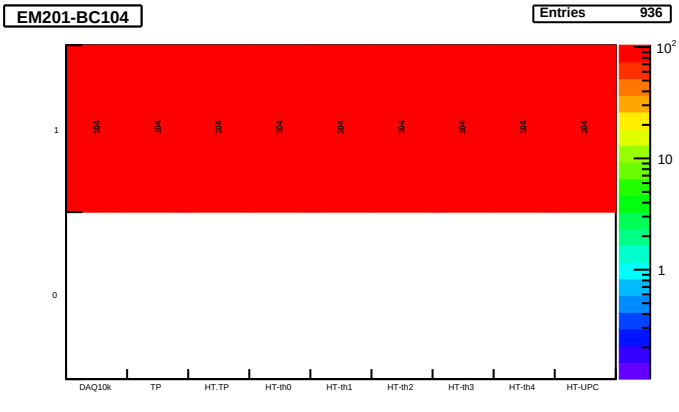

EM201-BC101Diff
Entries 0
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

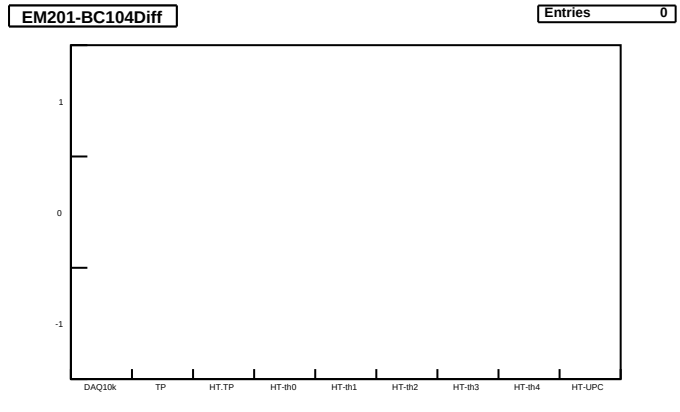

EM201-BC102
Entries 936
104
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC


EM201-BC102Diff
Entries 0
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

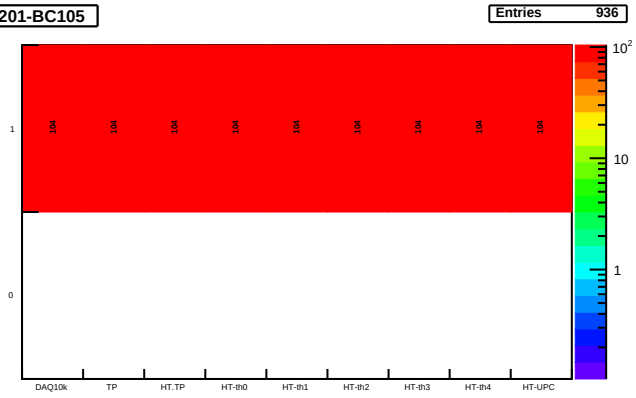

EM201-BC103
Entries 936
104
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC


EM201-BC103Diff
Entries 0
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

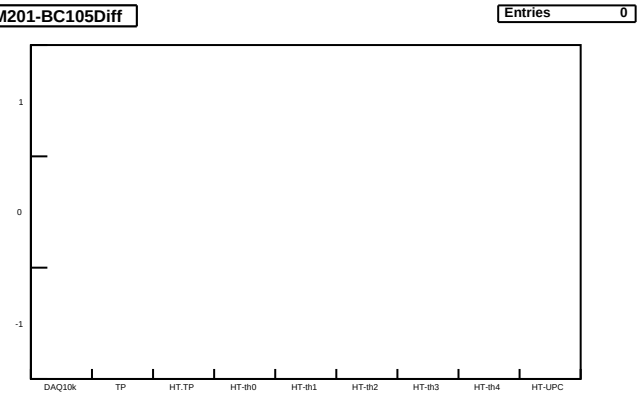

EM201-BC104
Entries 936
104
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC


EM201-BC104Diff
Entries 0
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC

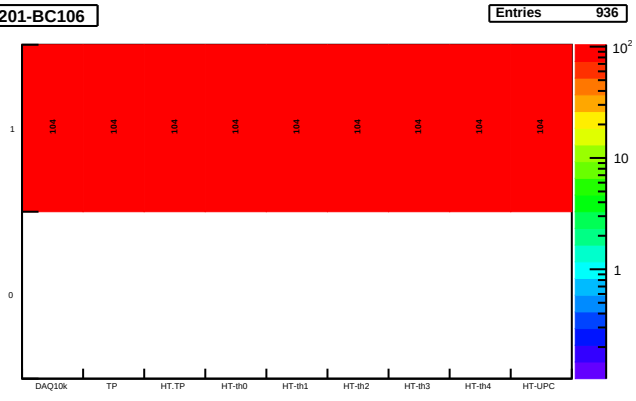
EM201-BC105



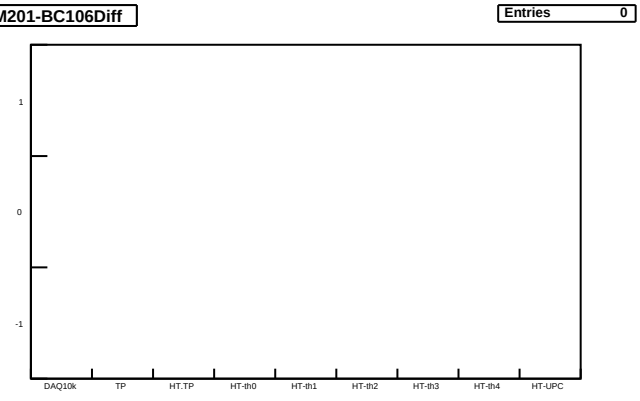
EM201-BC105Diff



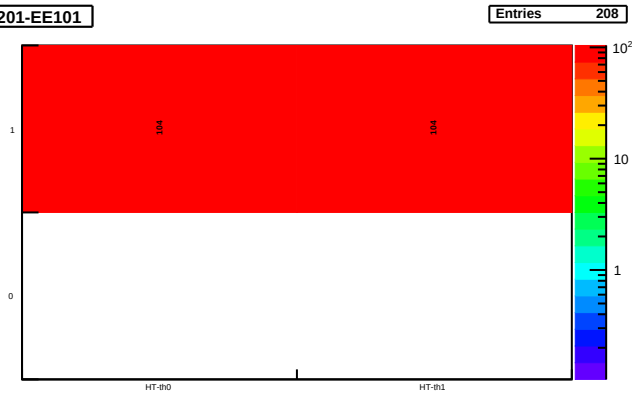
EM201-BC106



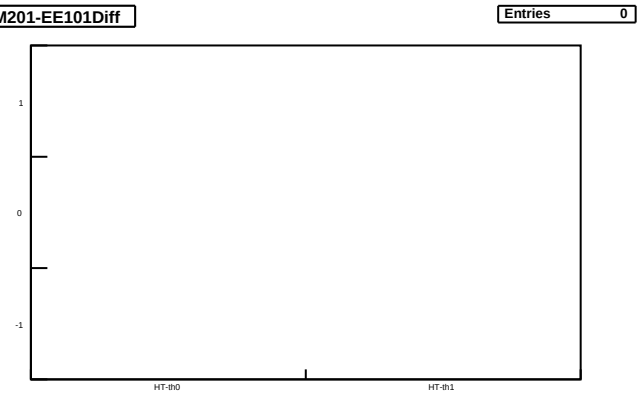
EM201-BC106Diff



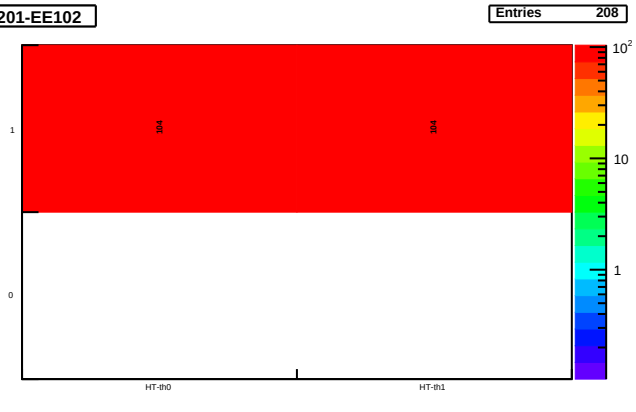
EM201-EE101



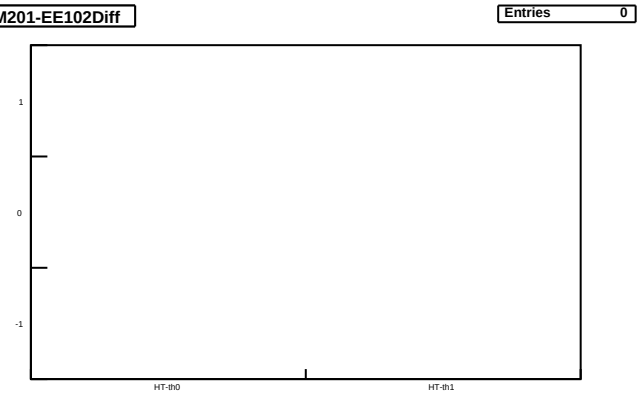
EM201-EE101Diff

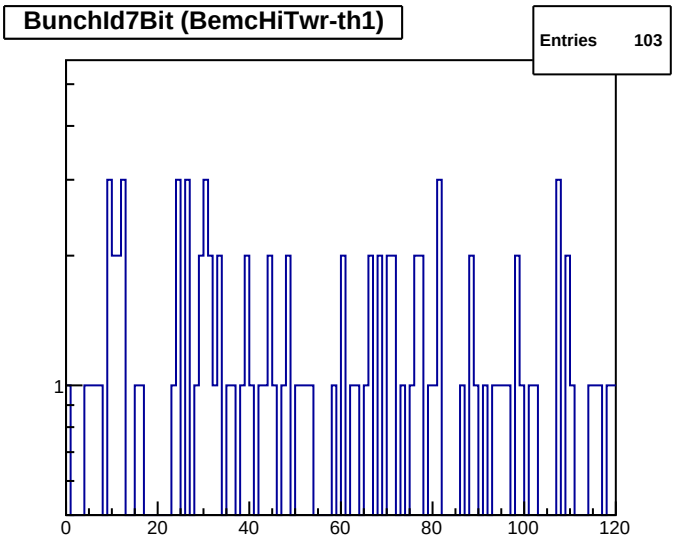


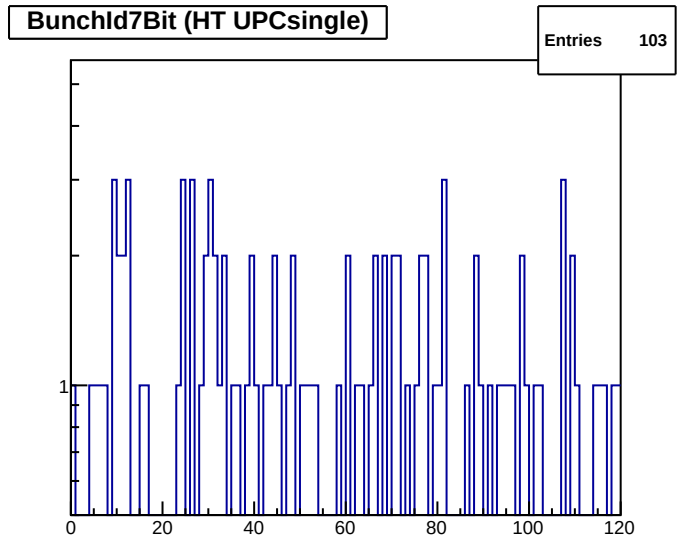
EM201-EE102

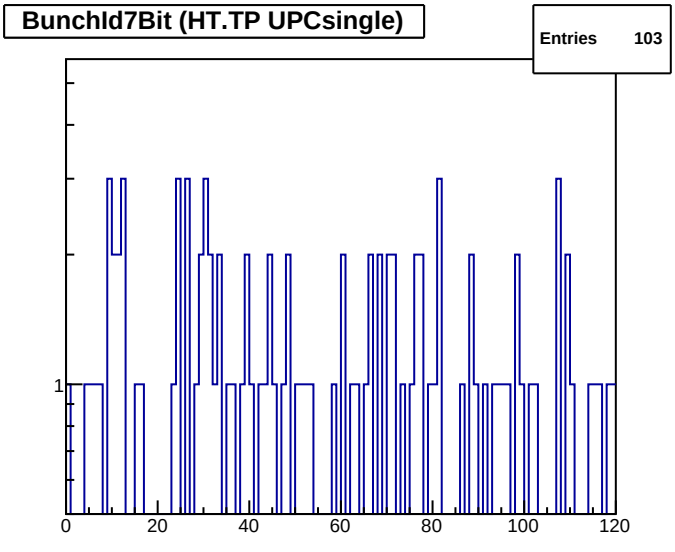


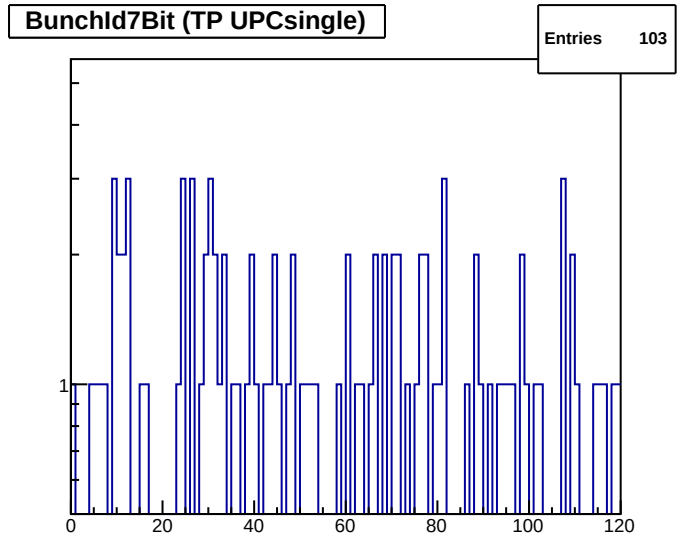
EM201-EE102Diff

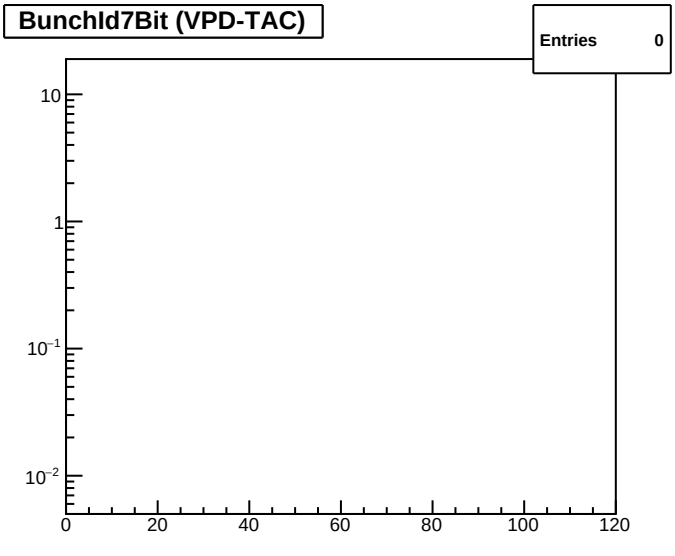


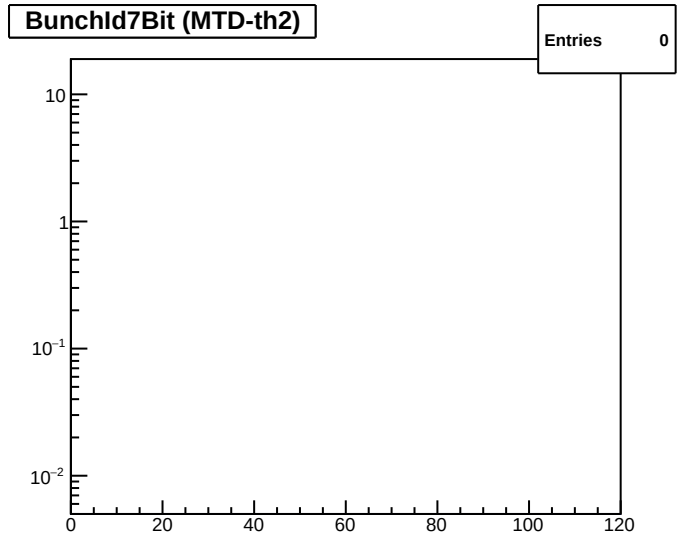

BunchId7Bit (BemcHiTwr-th1)
Entries 103
1
0 20 40 60 80 100 120

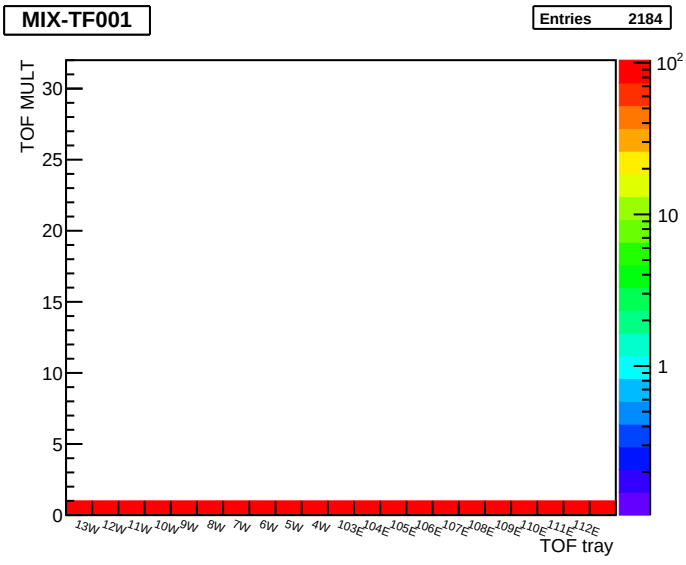

BunchId7Bit (HT UPCsingle)
Entries 103
1
0 20 40 60 80 100 120

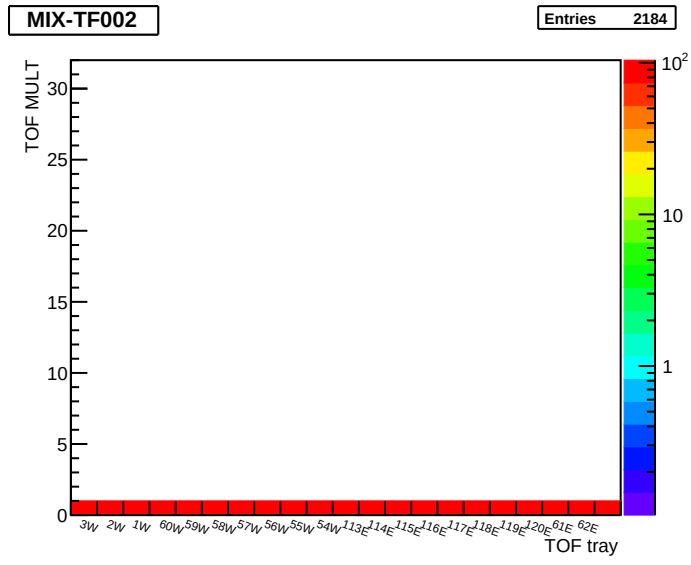

BunchId7Bit (HT.TP UPCsingle)
Entries 103
1
0 20 40 60 80 100 120

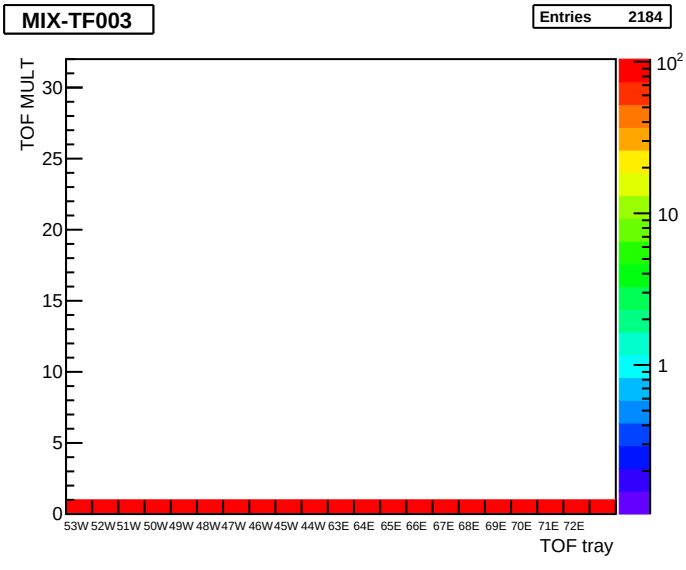

BunchId7Bit (TP UPCsingle)
Entries 103
1
0 20 40 60 80 100 120

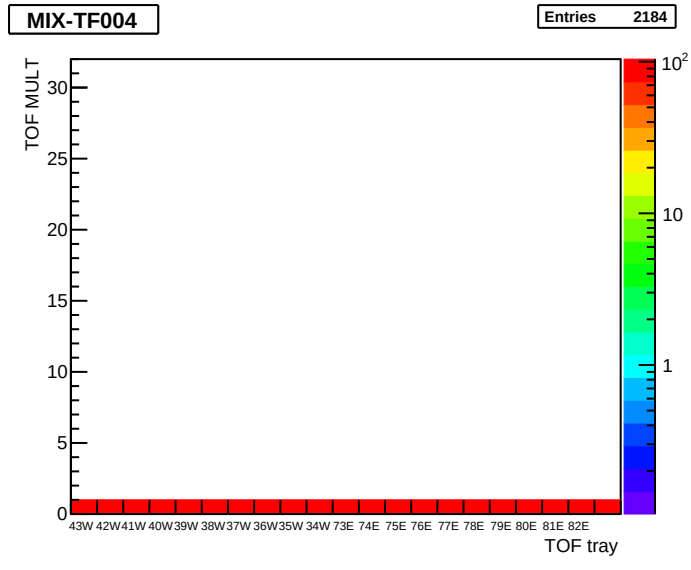

BunchId7Bit (VPD-TAC)
Entries 0
10
1
10⁻¹
10⁻²
0 20 40 60 80 100 120

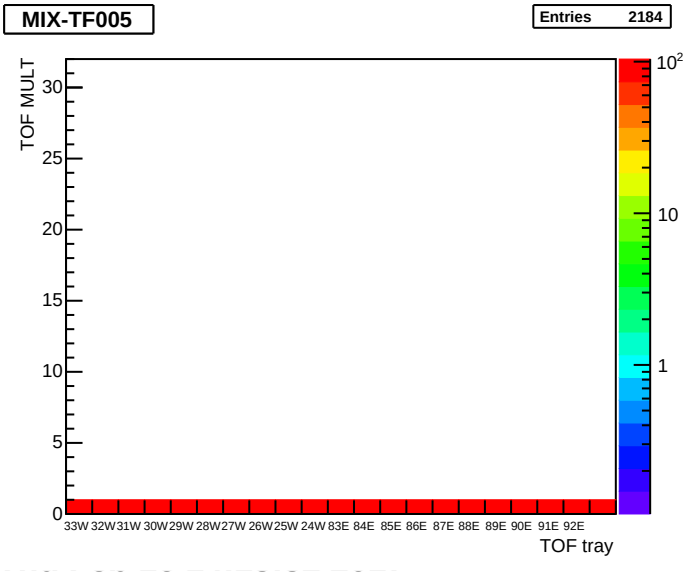

BunchId7Bit (MTD-th2)
Entries 0
10
1
10⁻¹
10⁻²
0 20 40 60 80 100 120

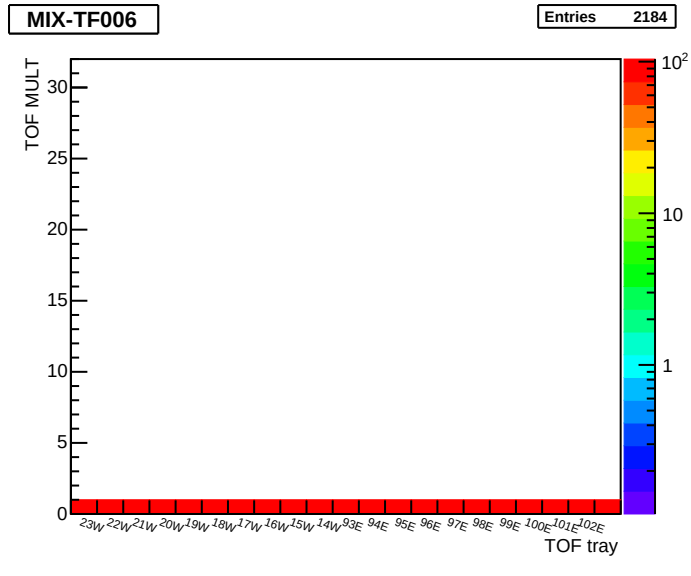

MIX-TF001
Entries 2184
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E


MIX-TF002
Entries 2184
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

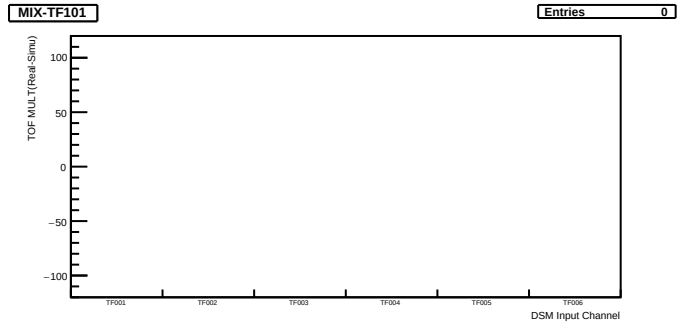

MIX-TF003
Entries 2184
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

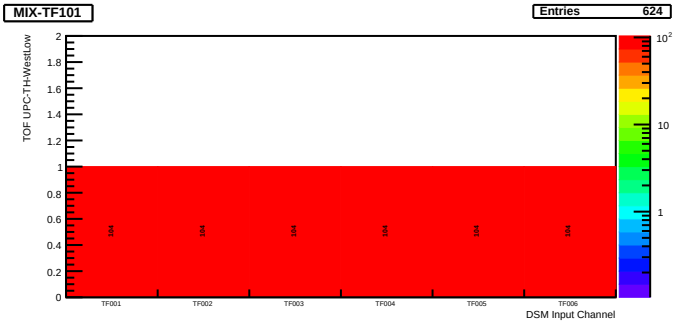

MIX-TF004
Entries 2184
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

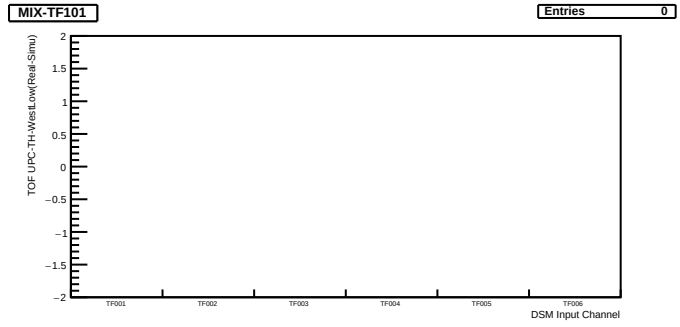

MIX-TF005
Entries 2184
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

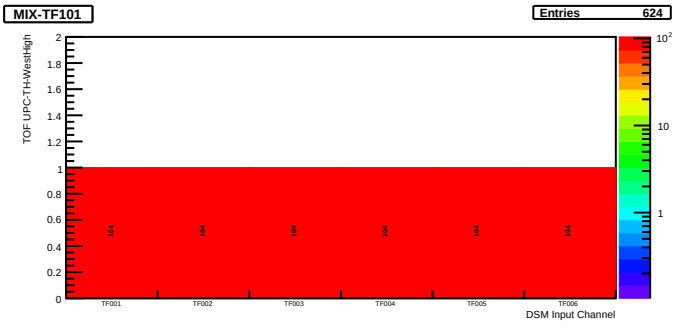

MIX-TF006
Entries 2184
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

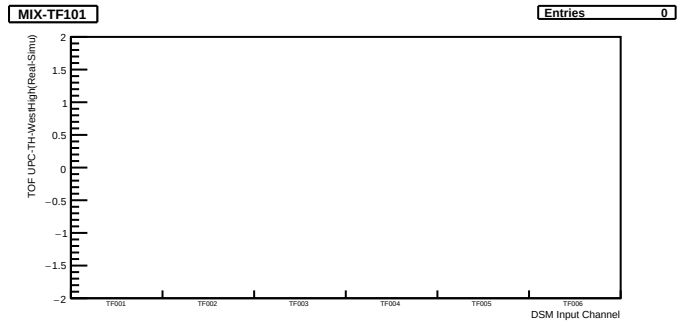
MIX-TF101
Entries 624
TOF MULT
DSM Input Channel

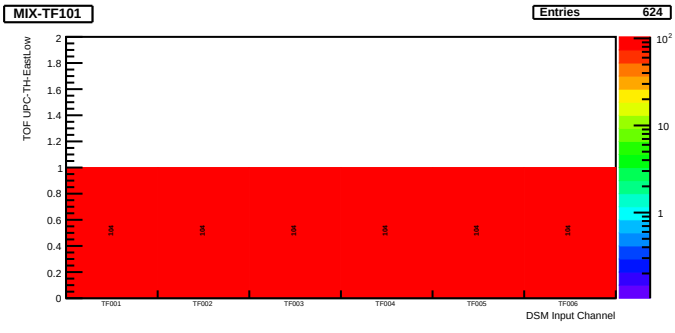

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel

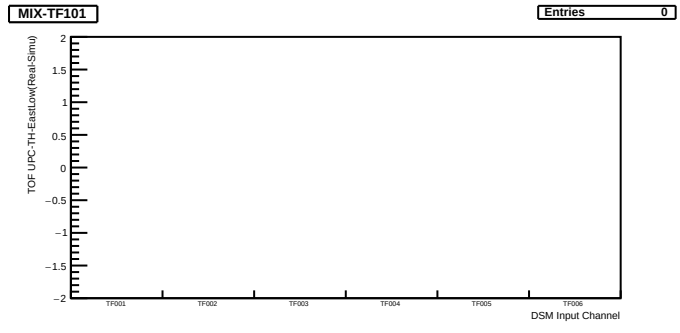

MIX-TF101
Entries 624
TOF UPC-TH-WestLow
DSM Input Channel

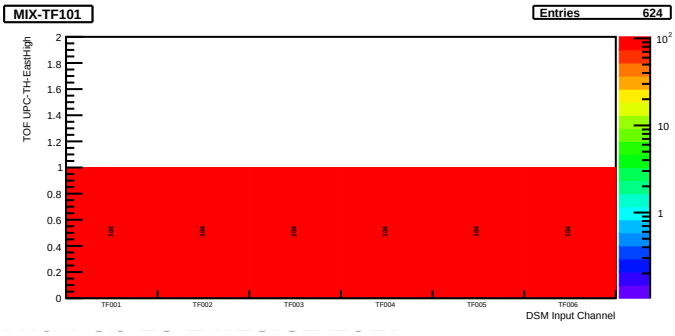

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel

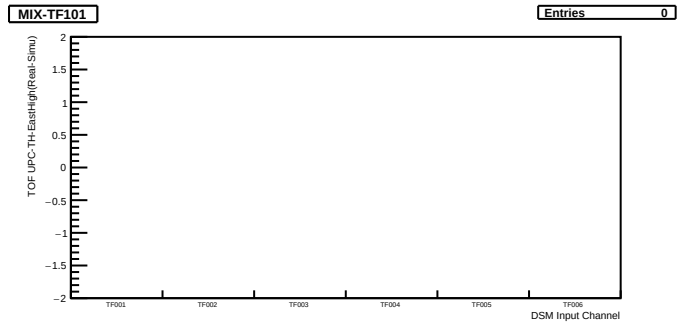

MIX-TF101
Entries 624
TOF UPC-TH-WestHigh
DSM Input Channel

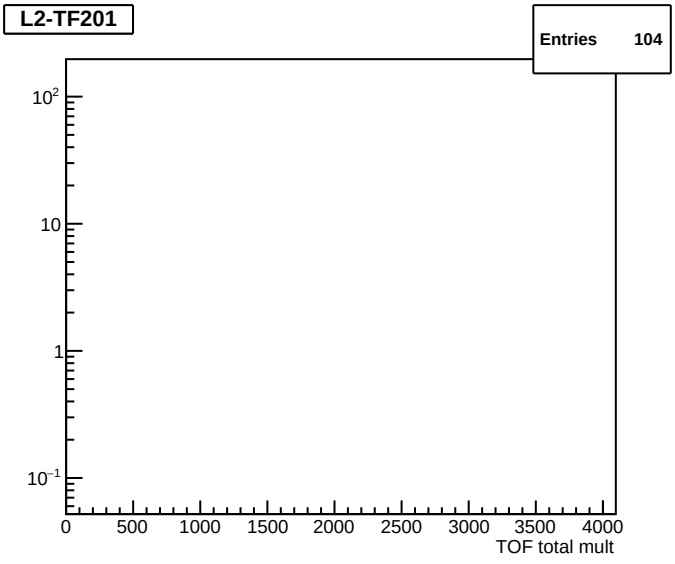

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel

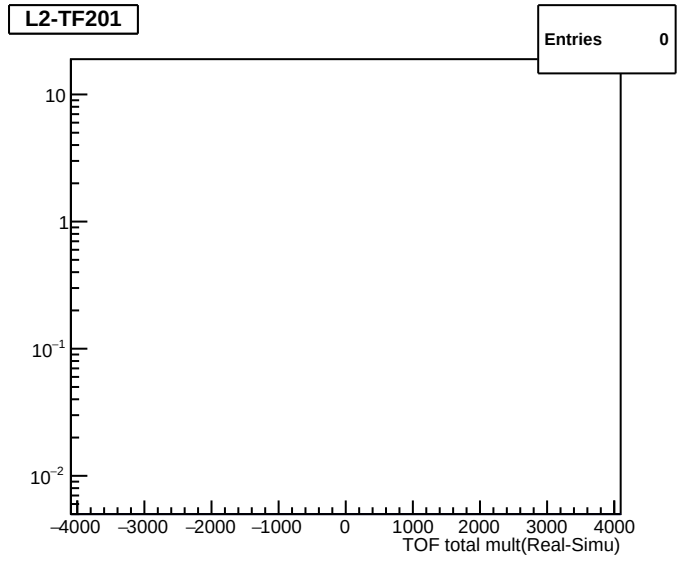

MIX-TF101
Entries 624
TOF UPC-TH-EastLow
DSM Input Channel

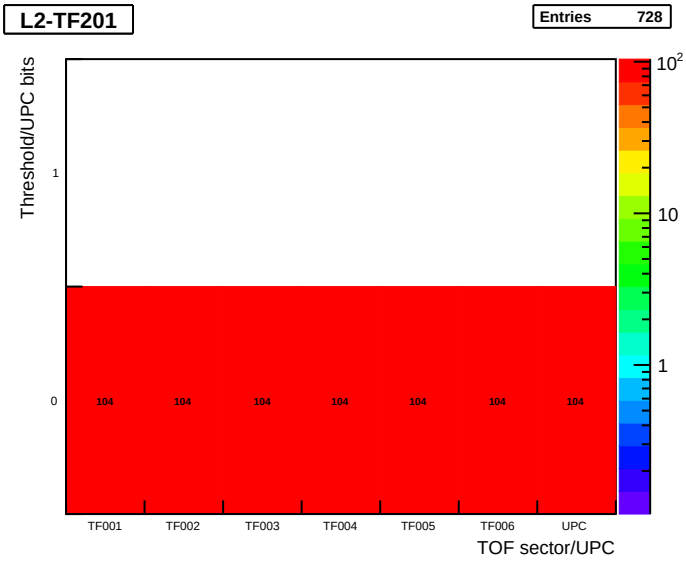

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel

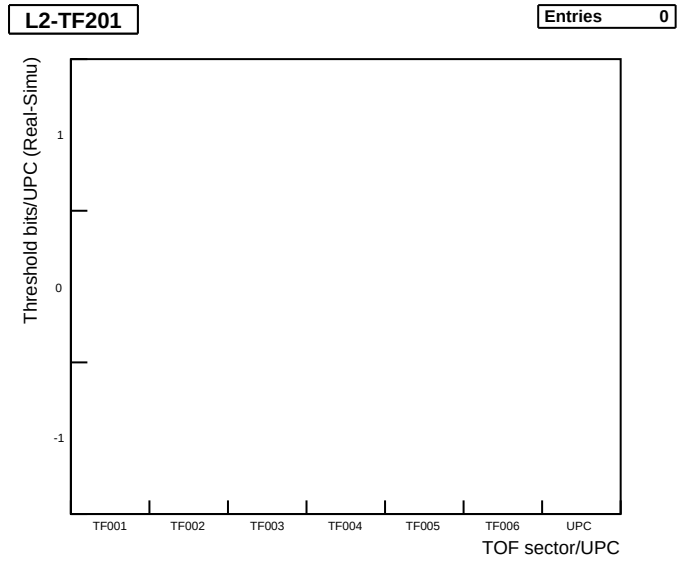

MIX-TF101
Entries 624
TOF UPC-TH-EastHigh
DSM Input Channel

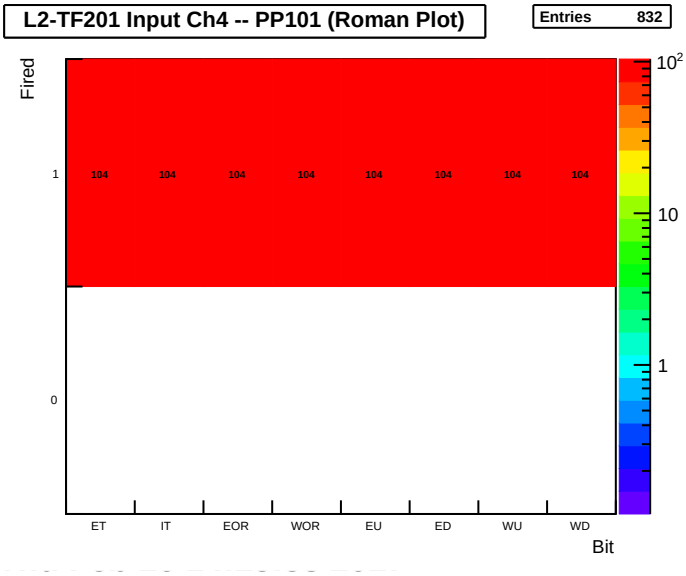

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel

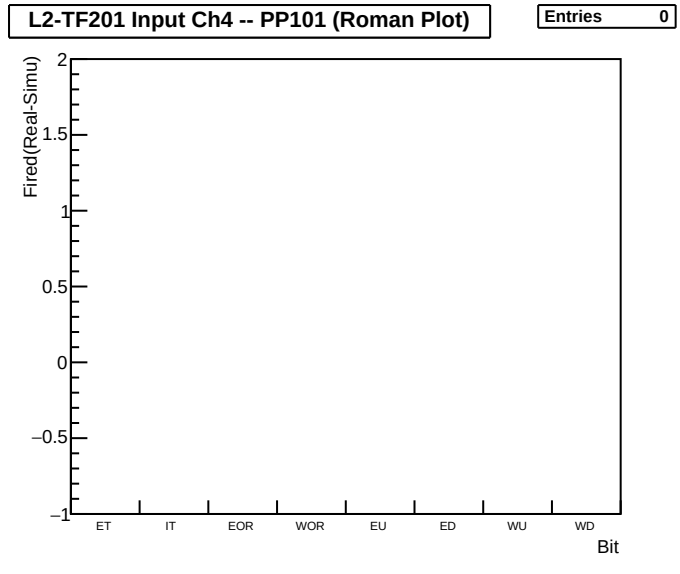

L2-TF201
Entries 104
TOF total mult

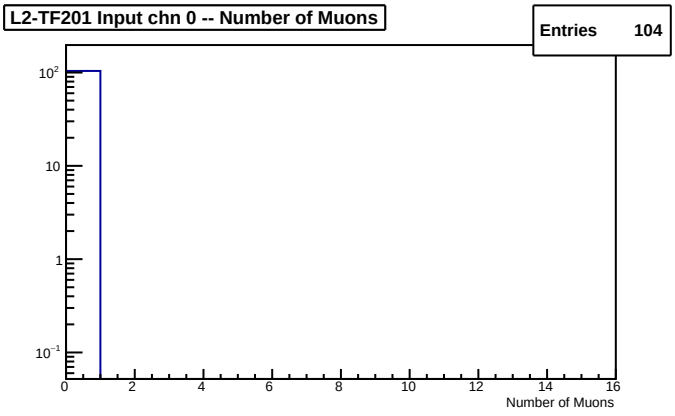

L2-TF201
Entries 0
TOF total mult(Real-Simu)

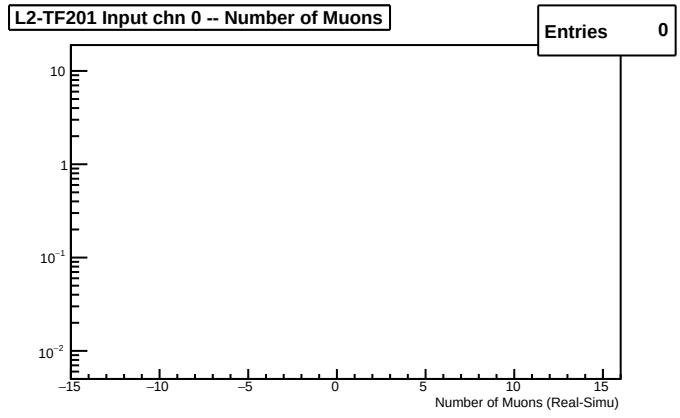

L2-TF201
Entries 728
Threshold/UPC bits
TOF sector/UPC
TF001
TF002
TF003
TF004
TF005
TF006
UPC

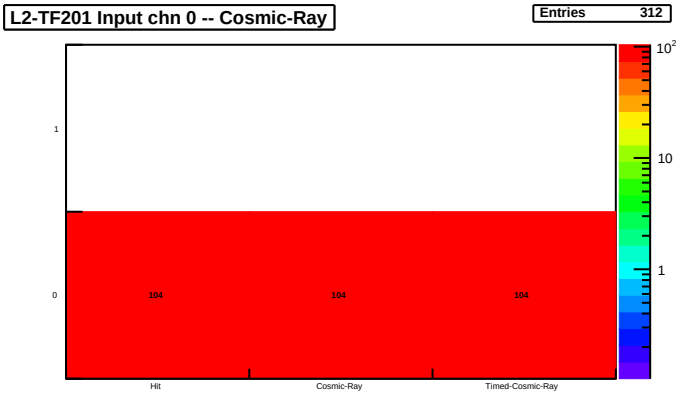

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TOF sector/UPC
TF001
TF002
TF003
TF004
TF005
TF006
UPC

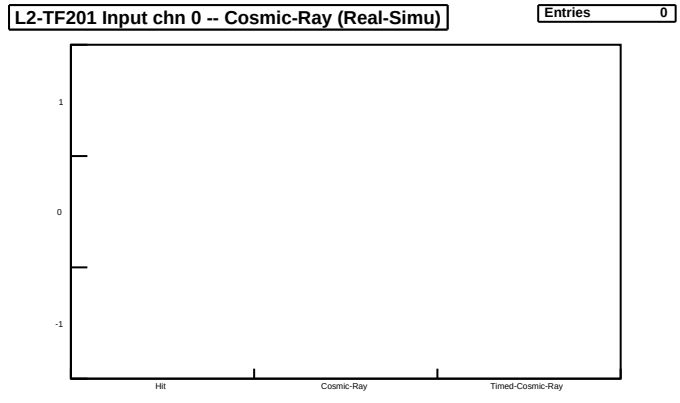

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 832
Fired
Bit
ET
IT
EOR
WOR
EU
ED
WU
WD

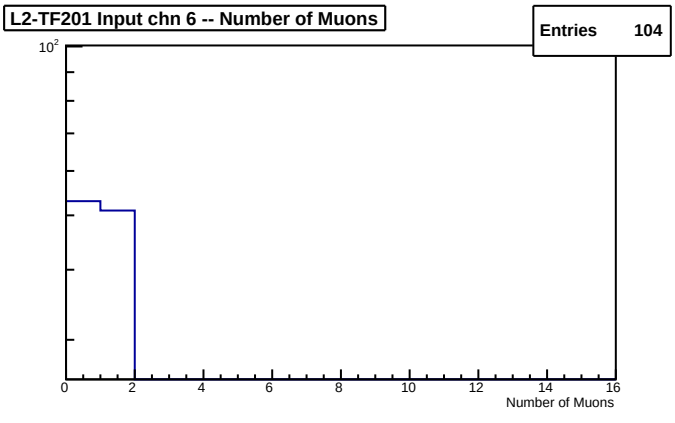

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
Bit
ET
IT
EOR
WOR
EU
ED
WU
WD

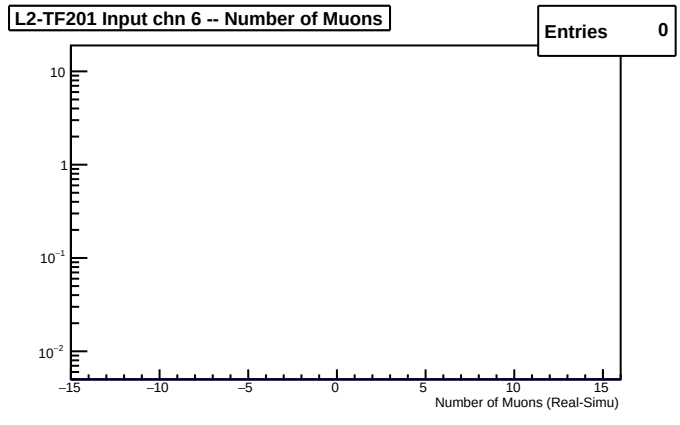

L2-TF201 Input chn 0 -- Number of Muons
Entries 104
Number of Muons

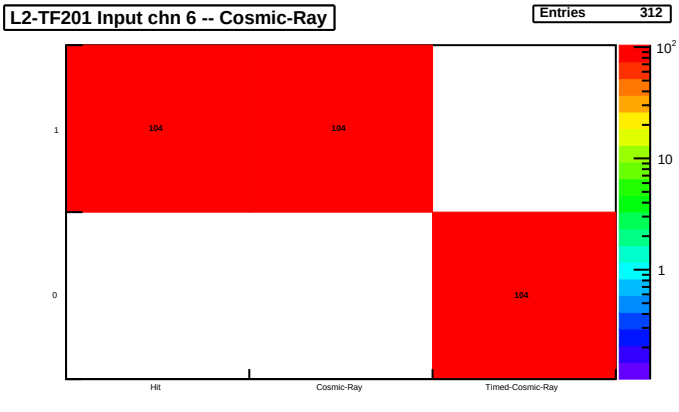

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

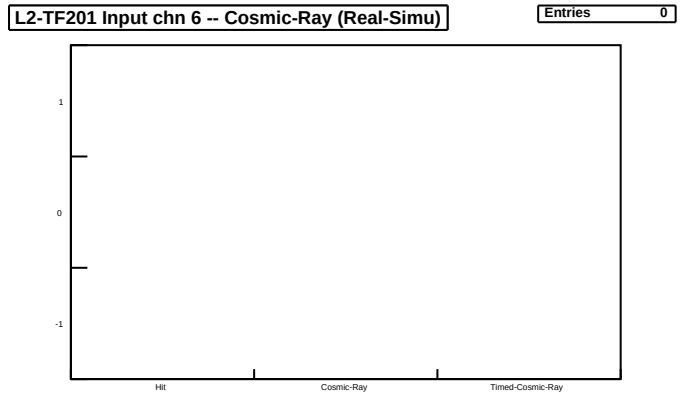

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 312
104
104
104
Hit
Cosmic-Ray
Timed-Cosmic-Ray

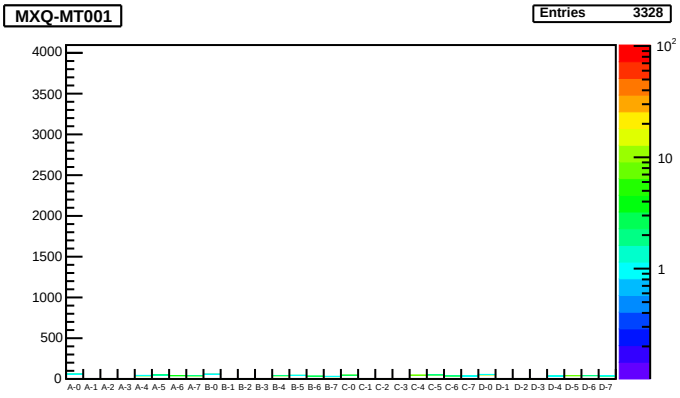

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

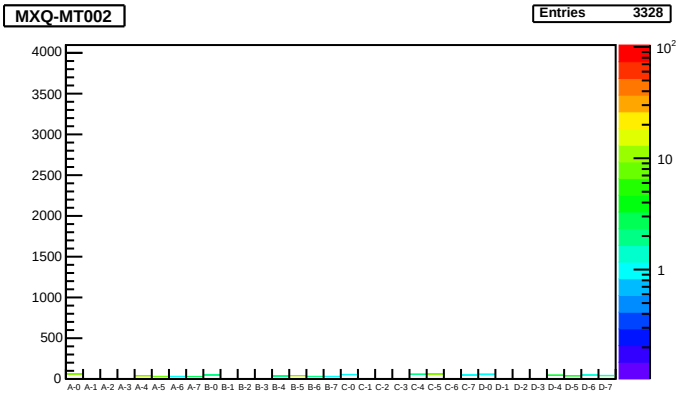

L2-TF201 Input chn 6 -- Number of Muons
Entries 104
Number of Muons

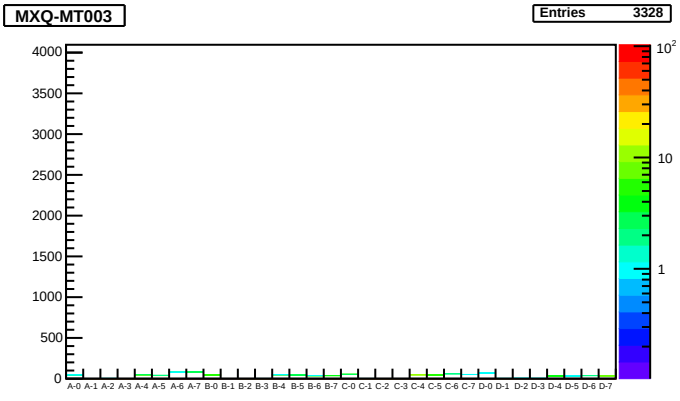

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

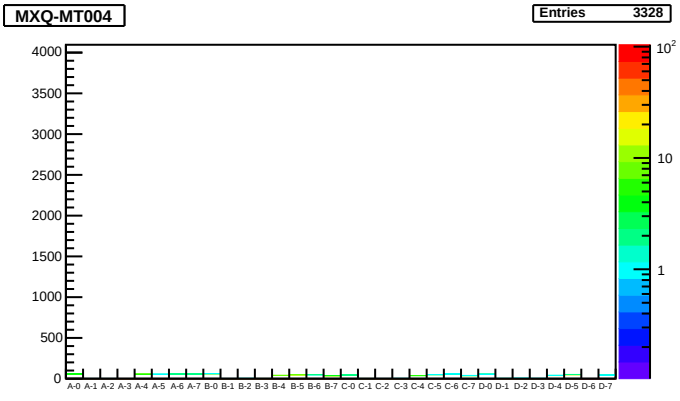

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 312
104
104
104
Hit
Cosmic-Ray
Timed-Cosmic-Ray

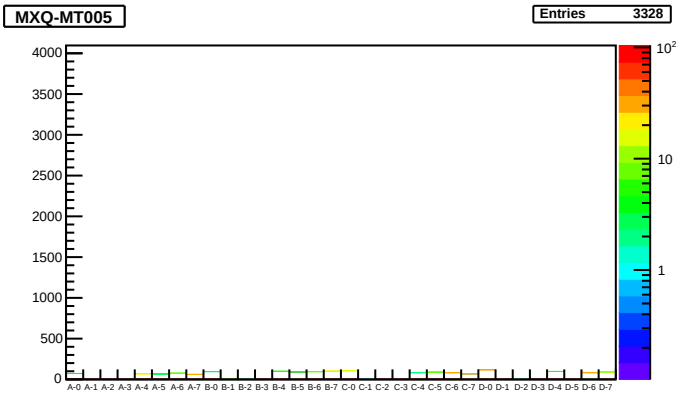

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

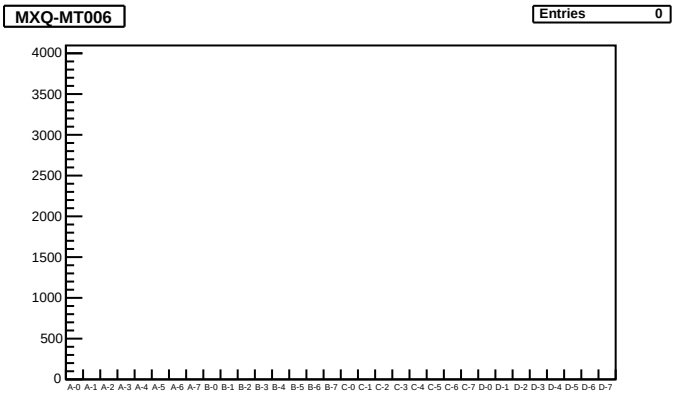

MXQ-MT001
Entries 3328
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^2
10
1

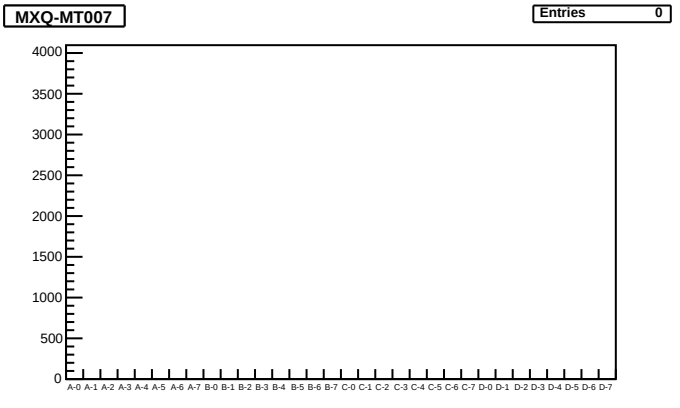

MXQ-MT002
Entries 3328
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^2
10
1

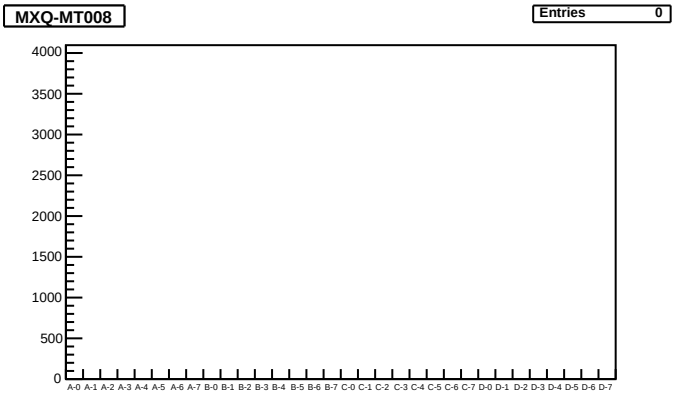

MXQ-MT003
Entries 3328
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^2
10
1

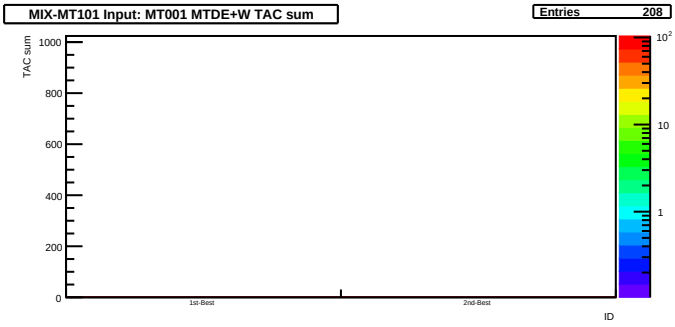

MXQ-MT004
Entries 3328
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^2
10
1

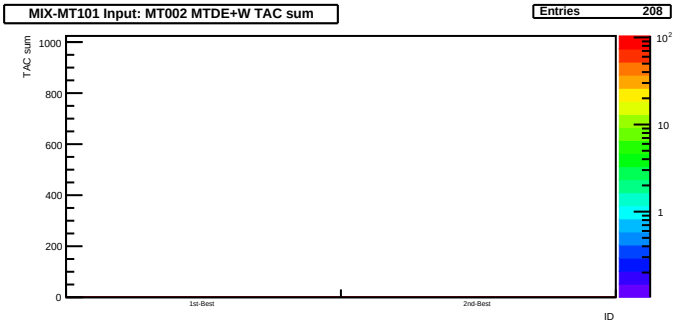

MXQ-MT005
Entries 3328
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7
10^2
10
1

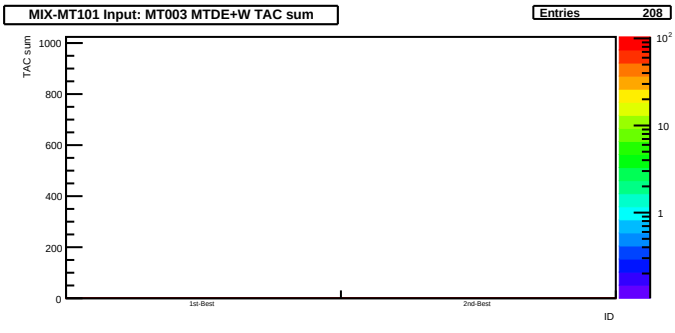

MXQ-MT006
Entries 0
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

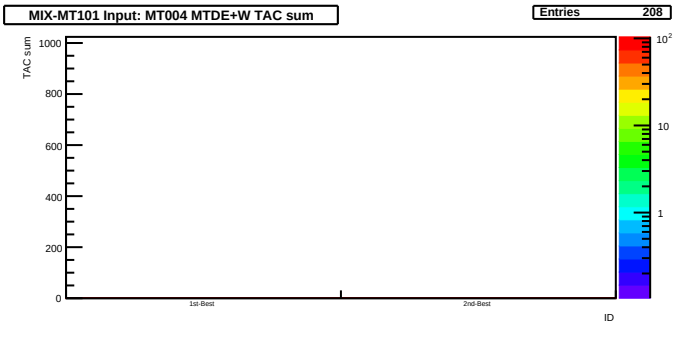

MXQ-MT007
Entries 0
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

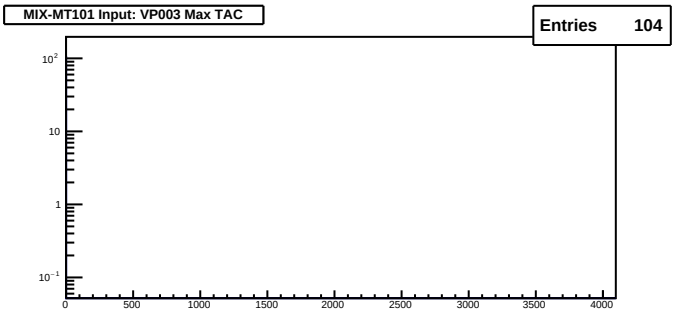

MXQ-MT008
Entries 0
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

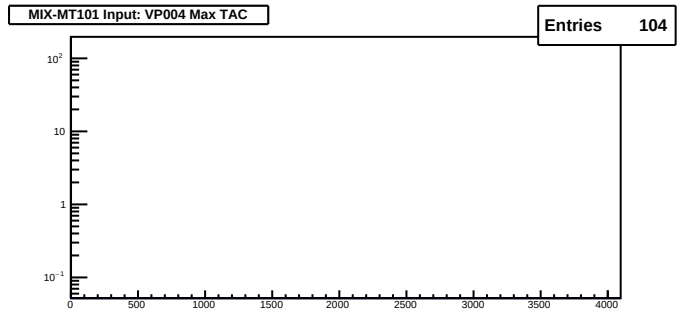

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10^2
10
1

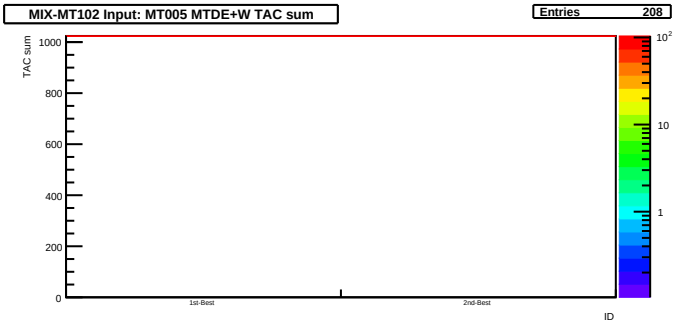

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10^2
10
1

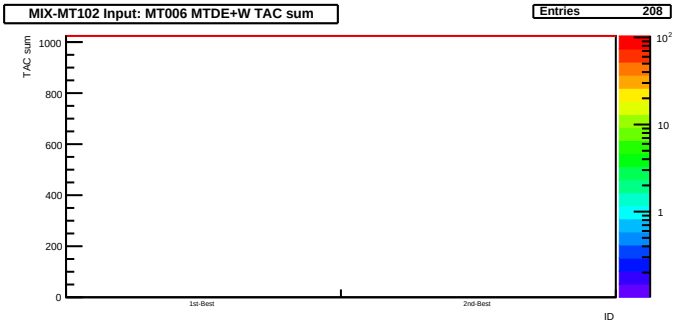

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10^2
10
1

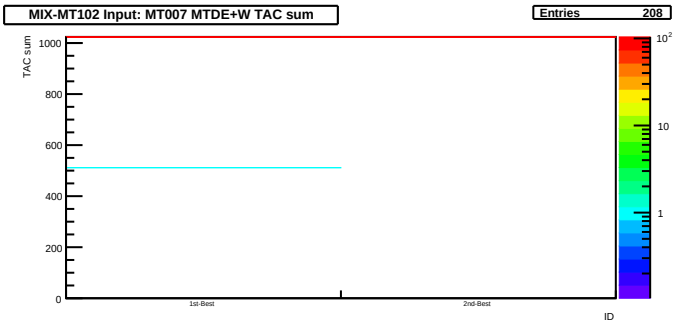

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10^2
10
1

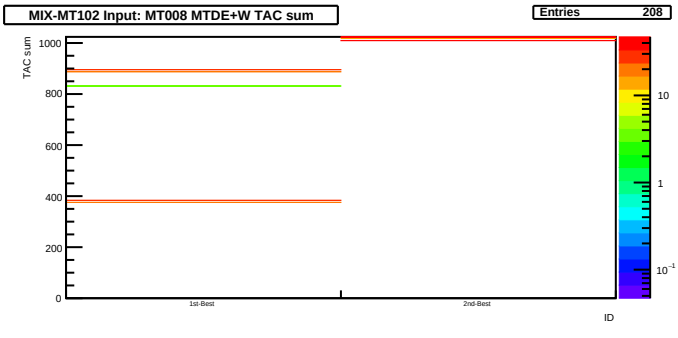

MIX-MT101 Input: VP003 Max TAC
Entries 104
10^2
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

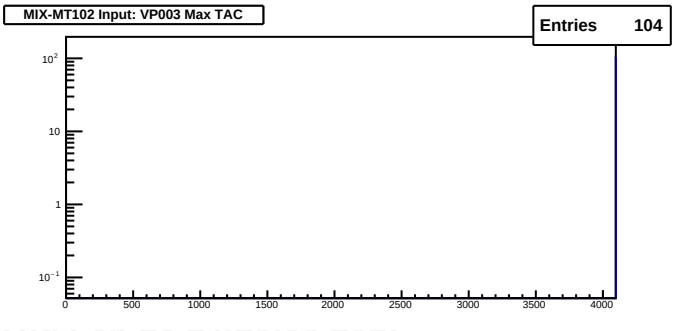

MIX-MT101 Input: VP004 Max TAC
Entries 104
10^2
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

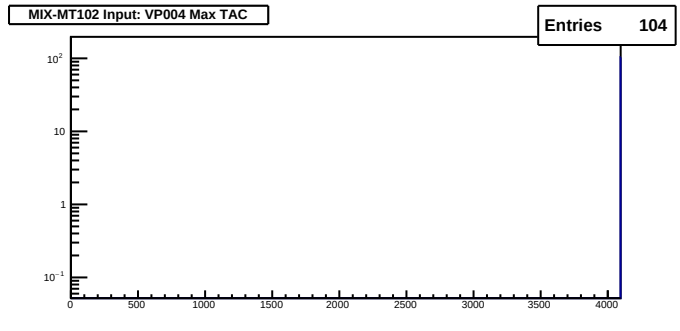

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10^2
10
1

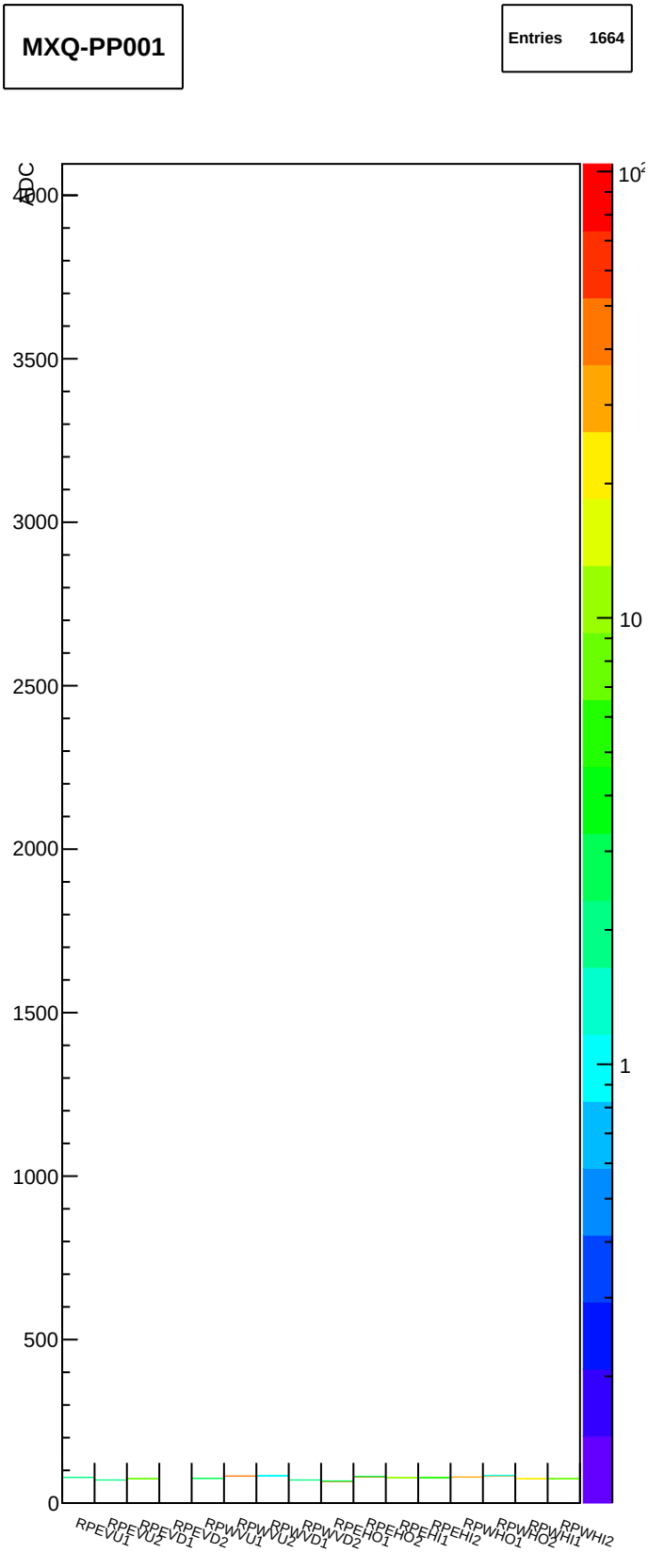

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10^2
10
1

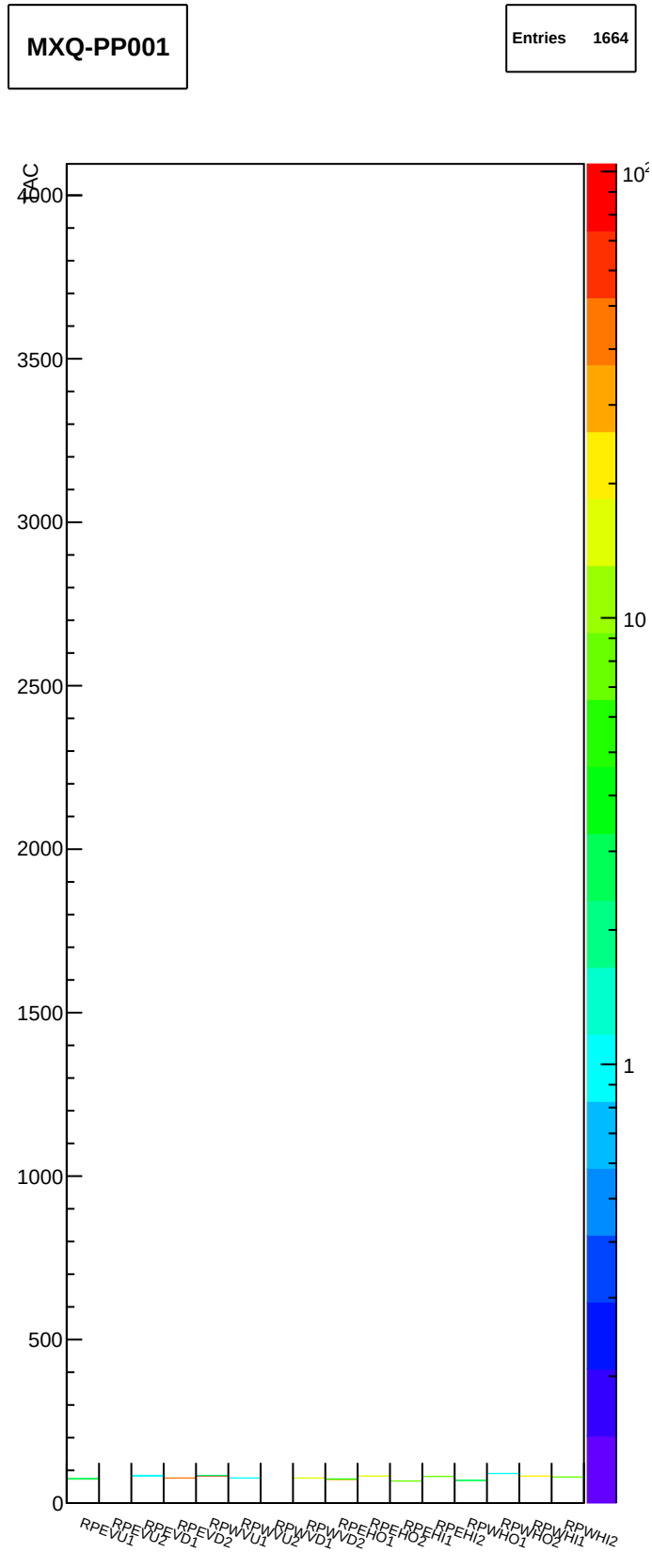

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10^2
10
1

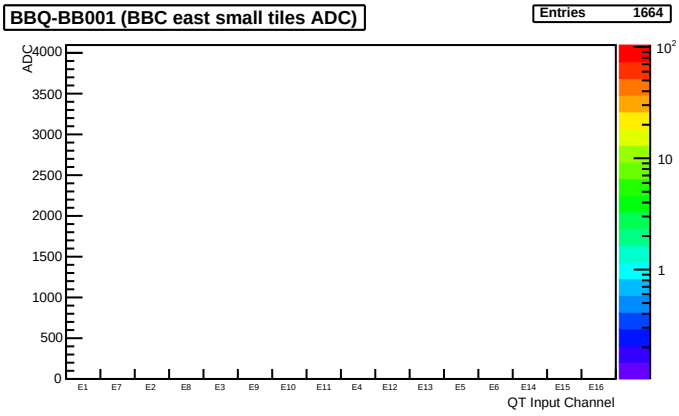

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 208
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

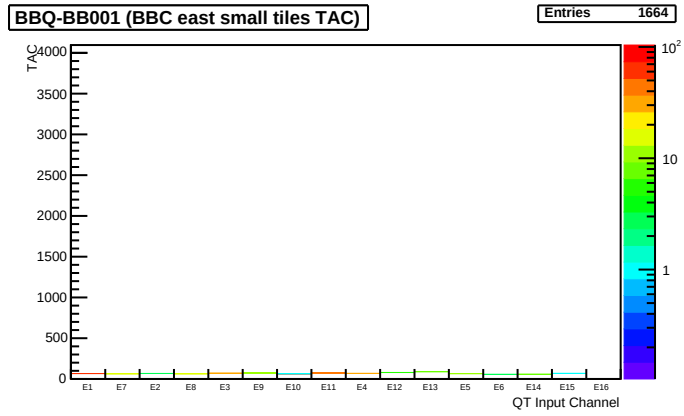

MIX-MT102 Input: VP003 Max TAC
Entries 104
10^2
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

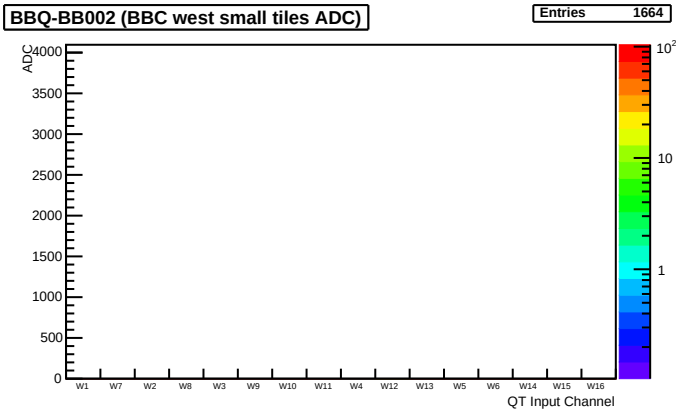

MIX-MT102 Input: VP004 Max TAC
Entries 104
10^2
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

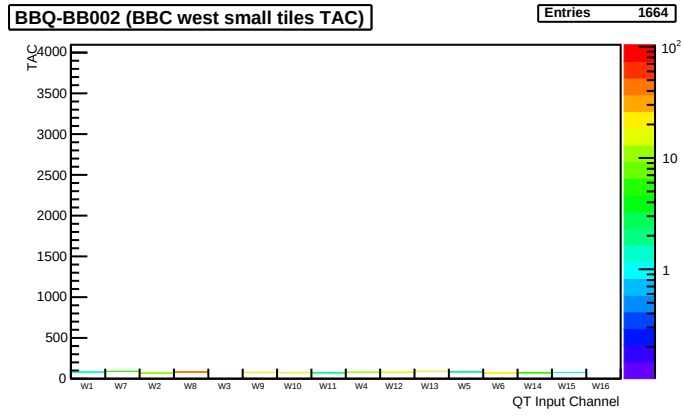

MXQ-PP001
Entries 1664
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

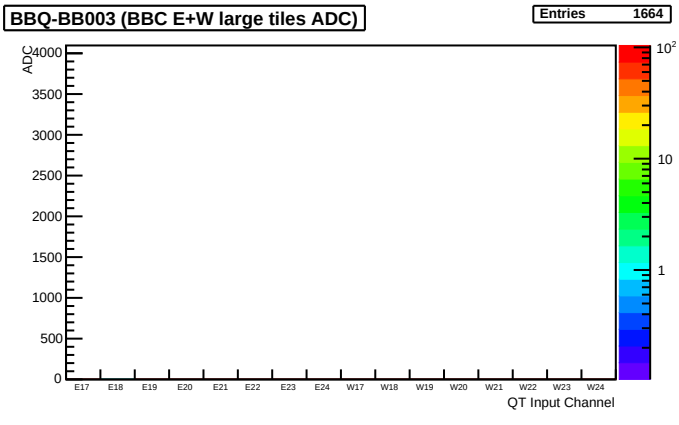

MXQ-PP001
Entries 1664
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2
10
1

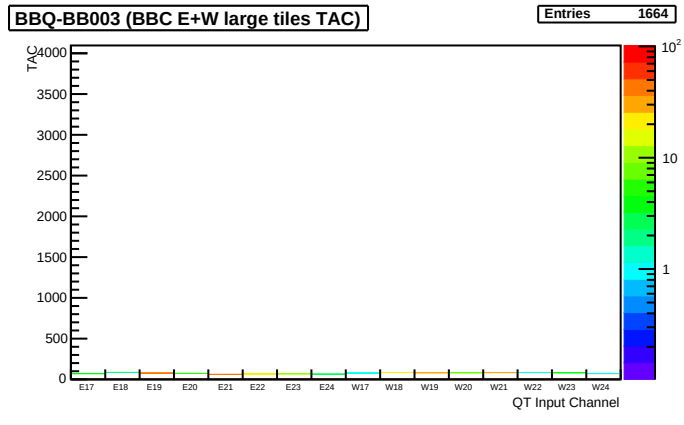

BBQ-BB001 (BBC east small tiles ADC)
Entries 1664
ADC
QT Input Channel

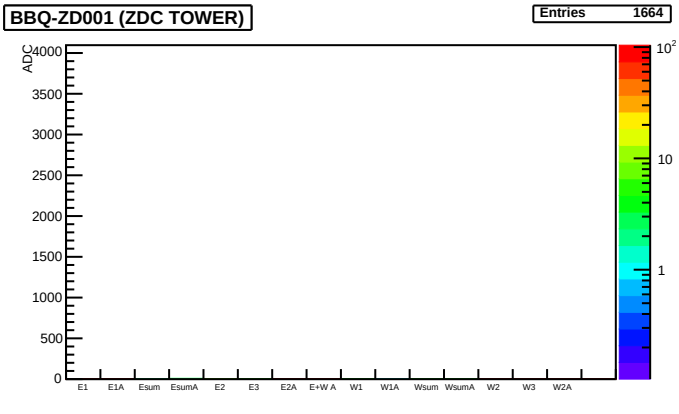

BBQ-BB001 (BBC east small tiles TAC)
Entries 1664
TAC
QT Input Channel

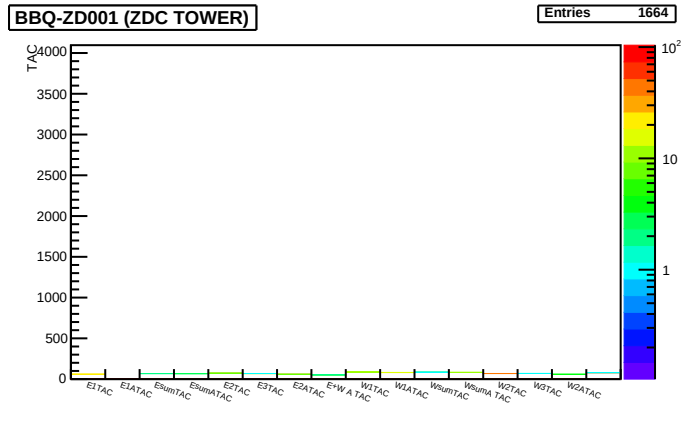

BBQ-BB002 (BBC west small tiles ADC)
Entries 1664
ADC
QT Input Channel

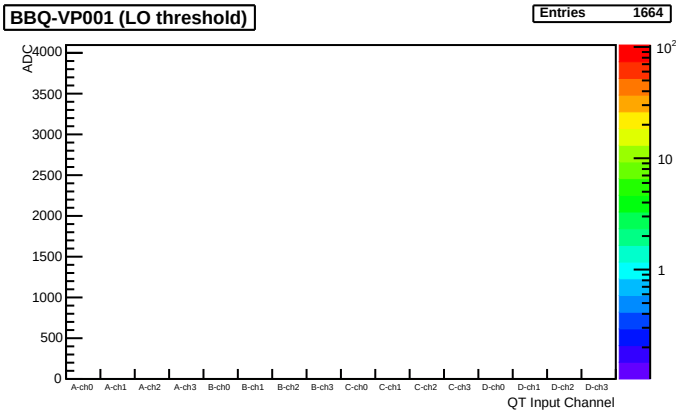

BBQ-BB002 (BBC west small tiles TAC)
Entries 1664
TAC
QT Input Channel

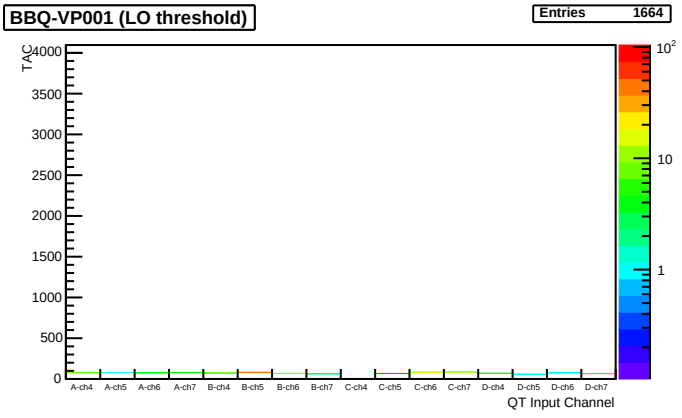

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1664
ADC
QT Input Channel

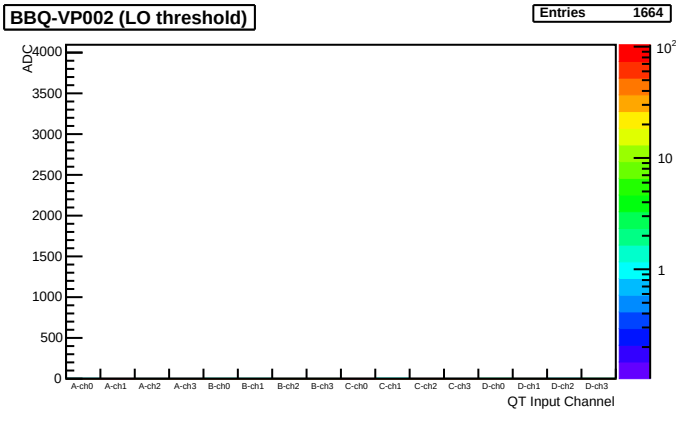

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1664
TAC
QT Input Channel

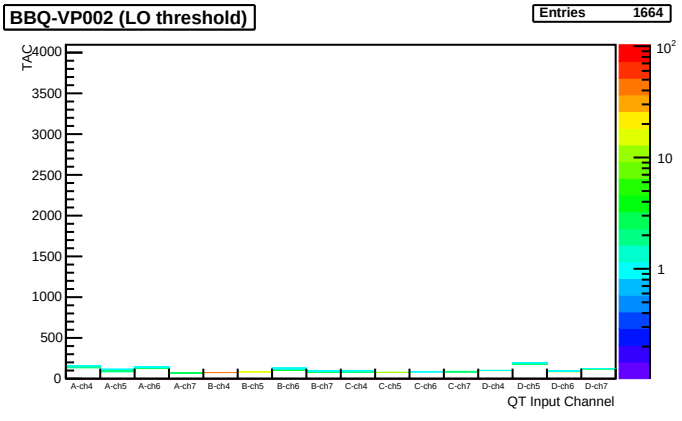

BBQ-ZD001 (ZDC TOWER)
Entries 1664
ADC

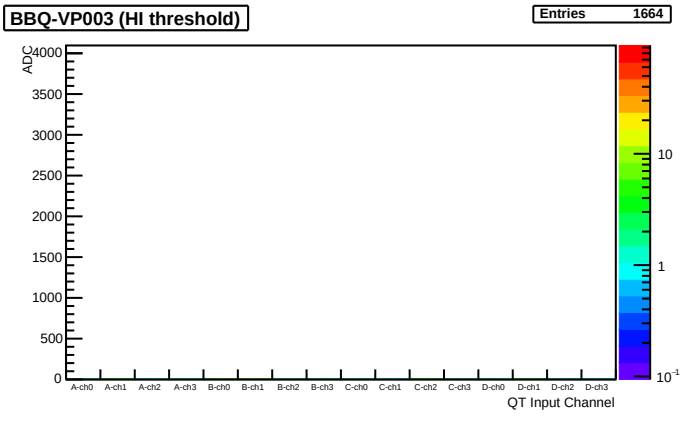

BBQ-ZD001 (ZDC TOWER)
Entries 1664
TAC

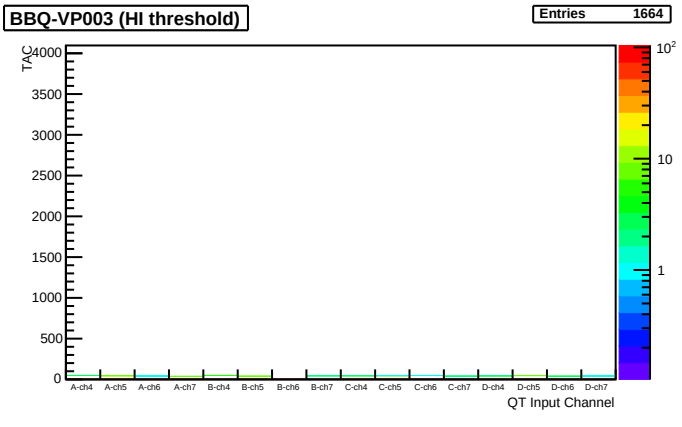

BBQ-VP001 (LO threshold)
Entries 1664
ADC
QT Input Channel

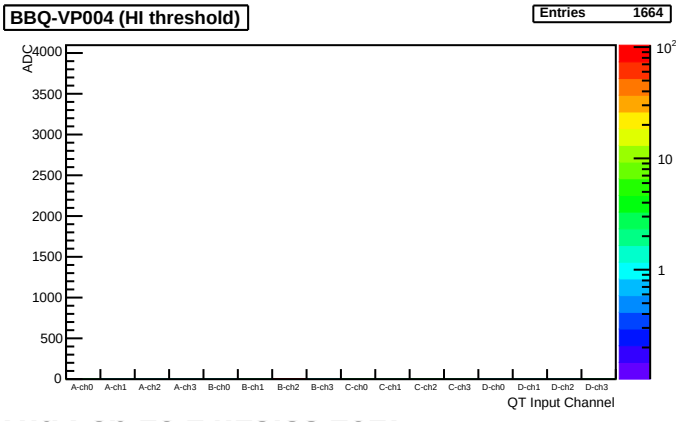

BBQ-VP001 (LO threshold)
Entries 1664
TAC
QT Input Channel

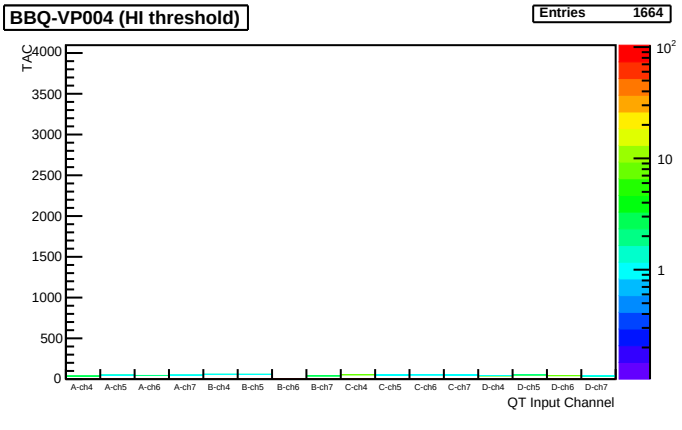

BBQ-VP002 (LO threshold)
Entries 1664
ADC
QT Input Channel

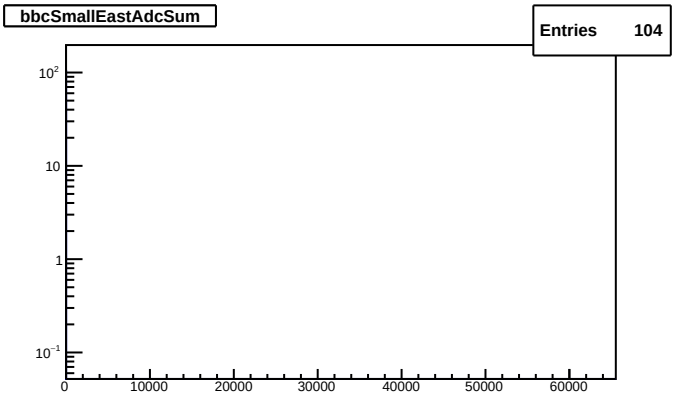

BBQ-VP002 (LO threshold)
Entries 1664
TAC
QT Input Channel

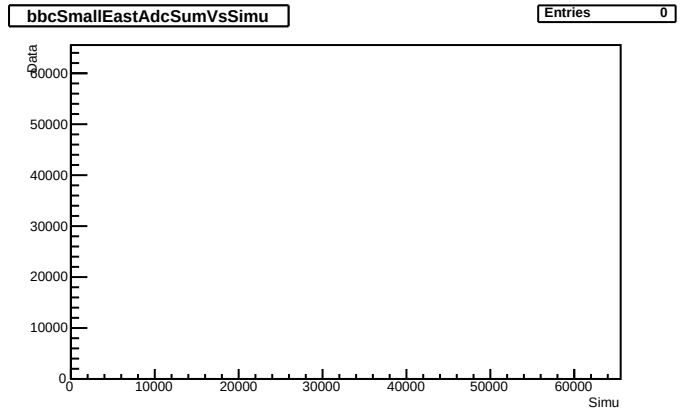

BBQ-VP003 (HI threshold)
Entries 1664
ADC
QT Input Channel

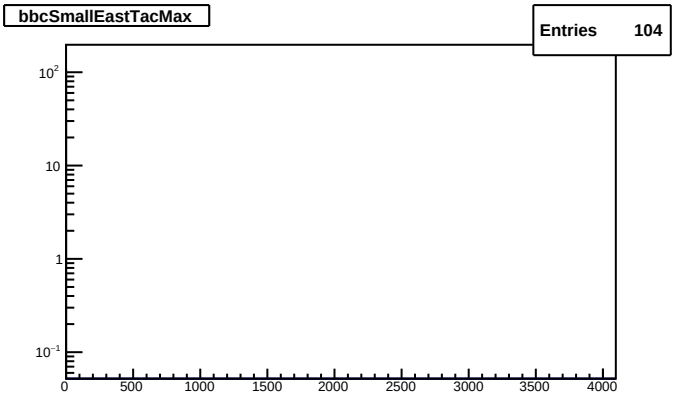

BBQ-VP003 (HI threshold)
Entries 1664
TAC
QT Input Channel

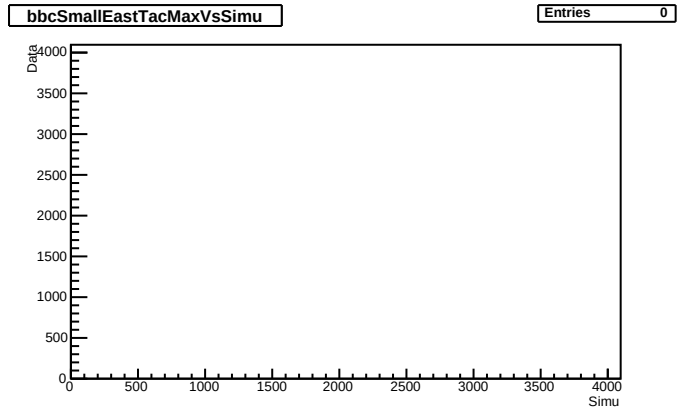

BBQ-VP004 (HI threshold)
Entries 1664
ADC
QT Input Channel

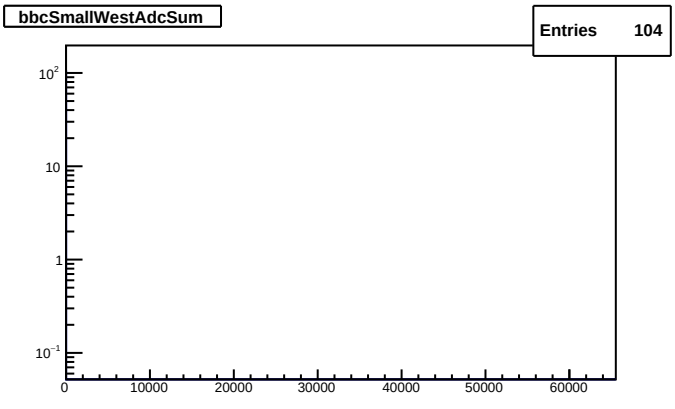

BBQ-VP004 (HI threshold)
Entries 1664
TAC
QT Input Channel

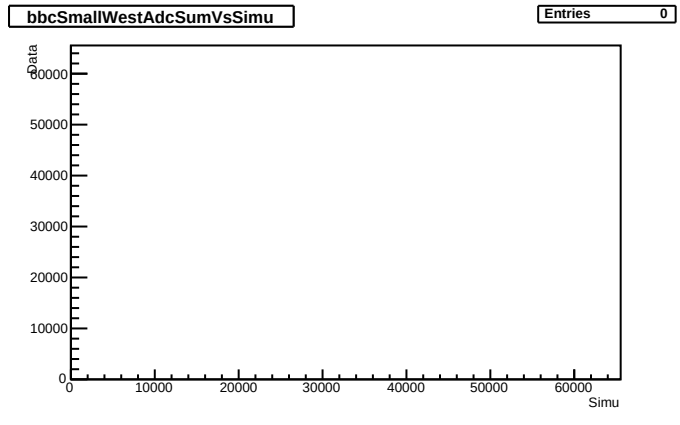

bbcSmallEastAdcSum
Entries 104

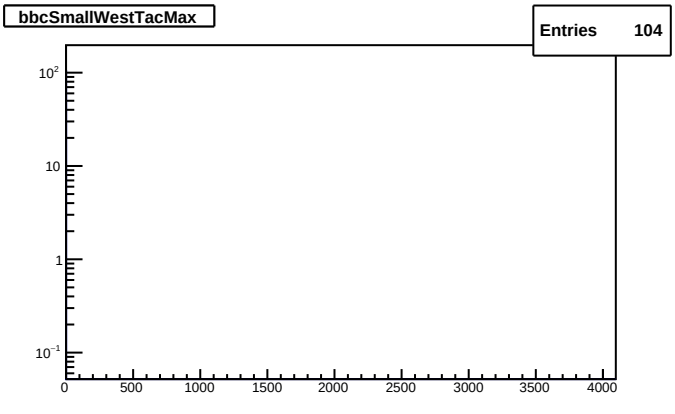

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

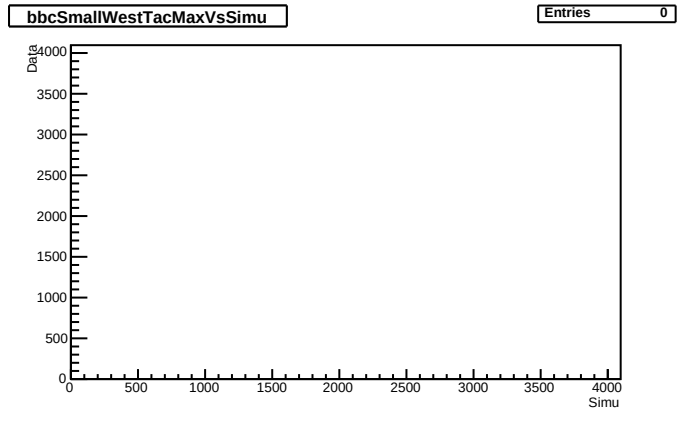

bbcSmallEastTacMax
Entries 104

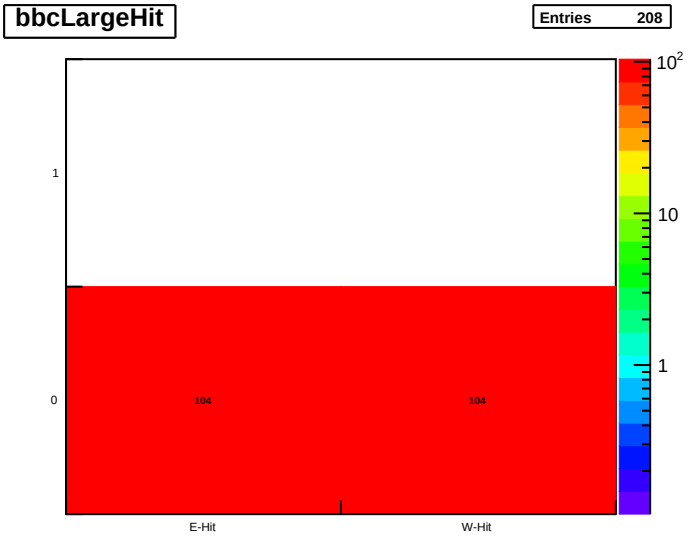

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

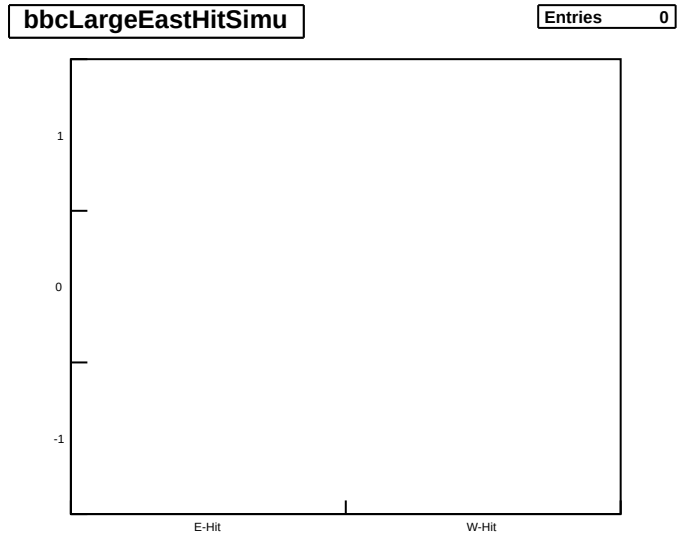

bbcSmallWestAdcSum
Entries 104

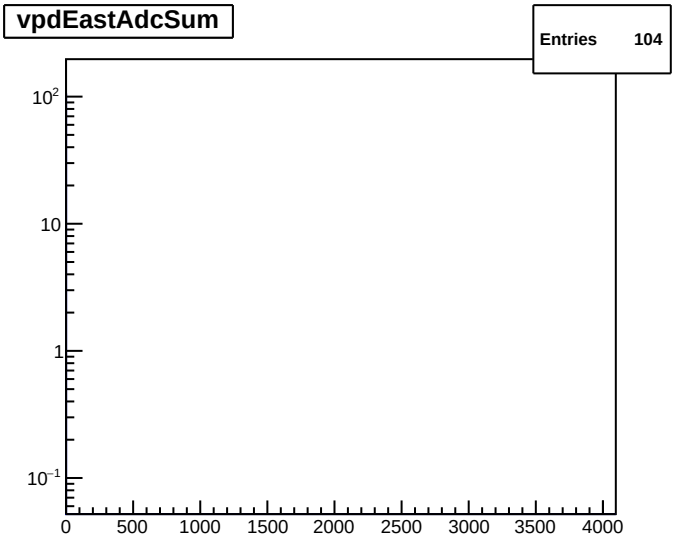

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

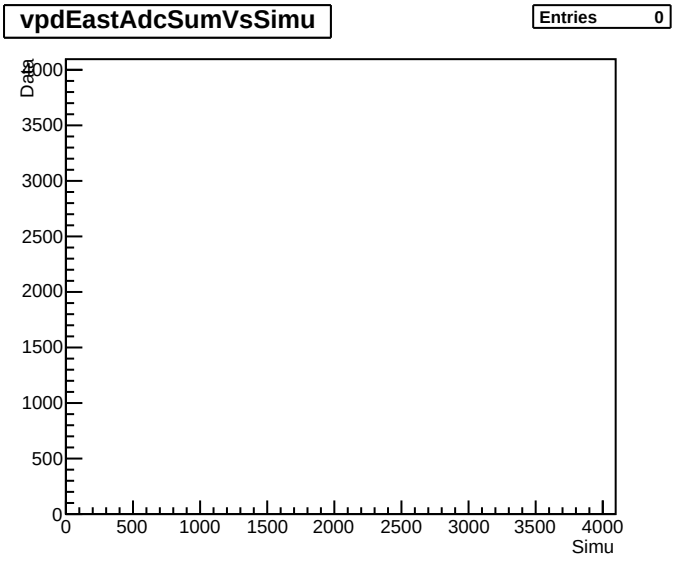

bbcSmallWestTacMax
Entries 104

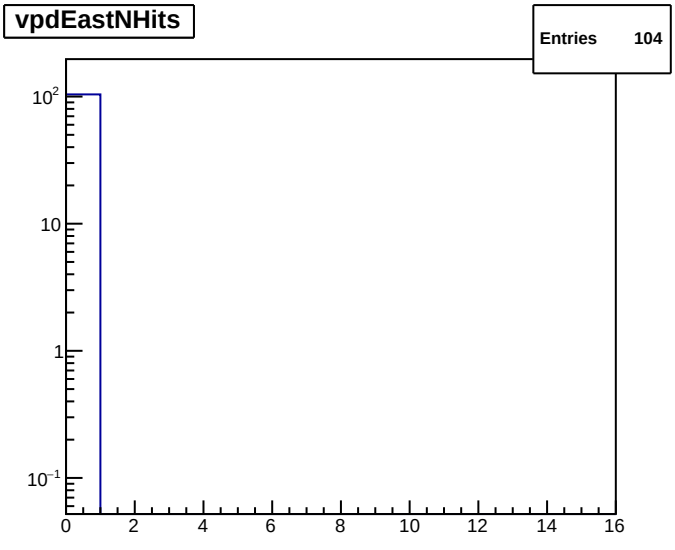

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

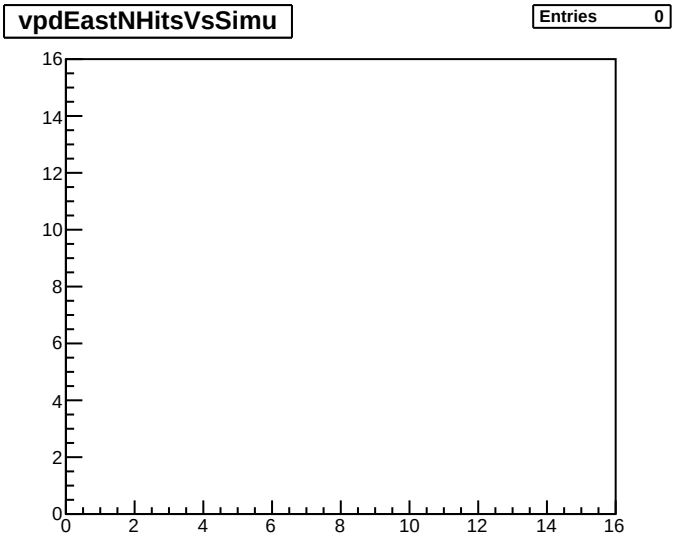

bbcLargeHit
Entries 208
1
0
104
104
E-Hit
W-Hit
10^2
10
1

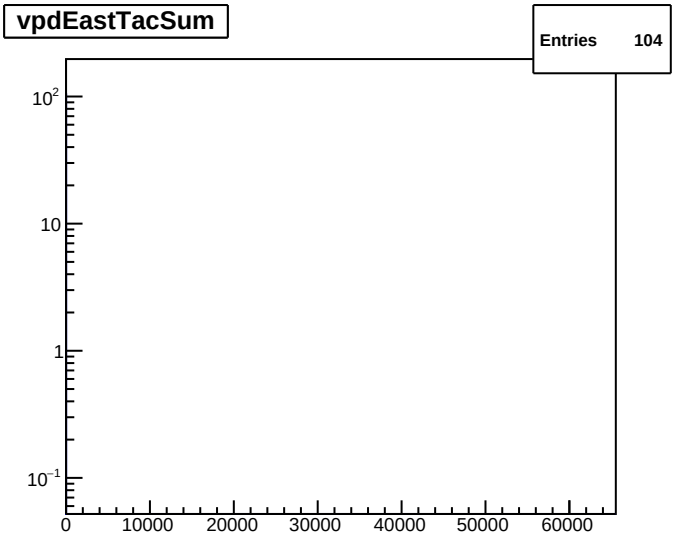

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

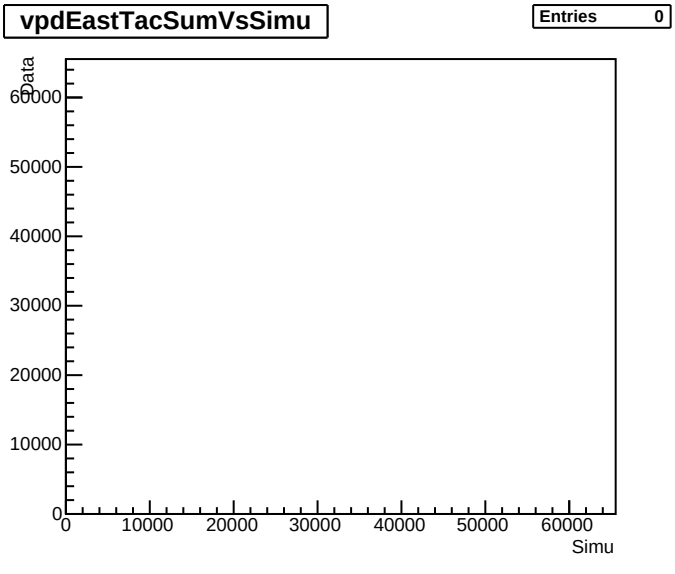

vpdEastAdcSum
Entries 104
10^2
10
1
10^{-1}
0 500 1000 1500 2000 2500 3000 3500 4000

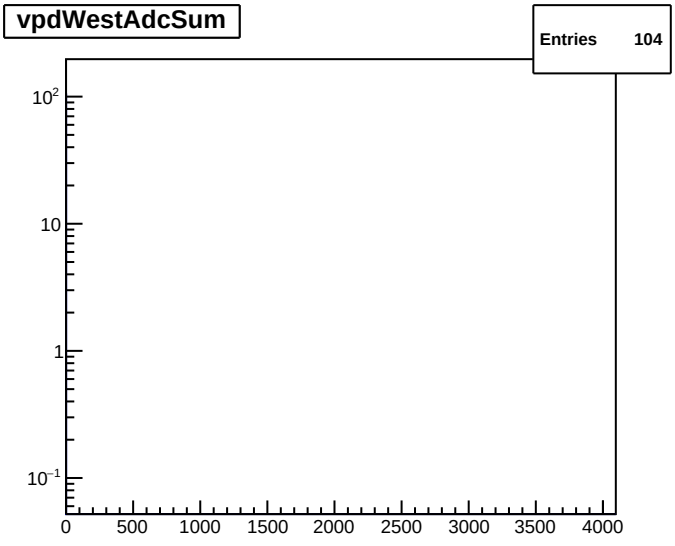

vpdEastAdcSumVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

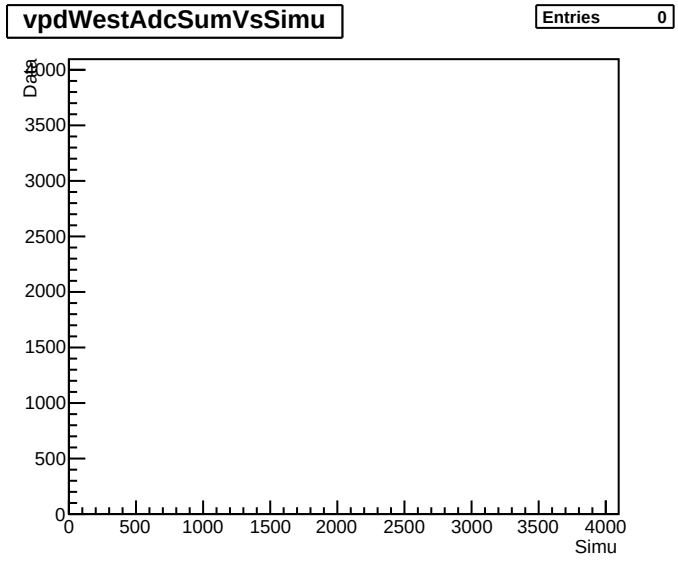

vpdEastNHits
Entries 104
10^2
10
1
10^{-1}
0 2 4 6 8 10 12 14 16

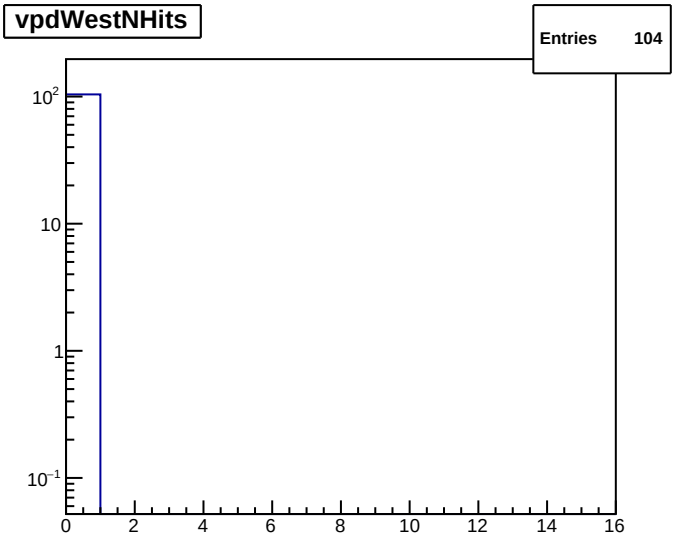

vpdEastNHitsVsSimu
Entries 0
16
14
12
10
8
6
4
2
0
0 2 4 6 8 10 12 14 16

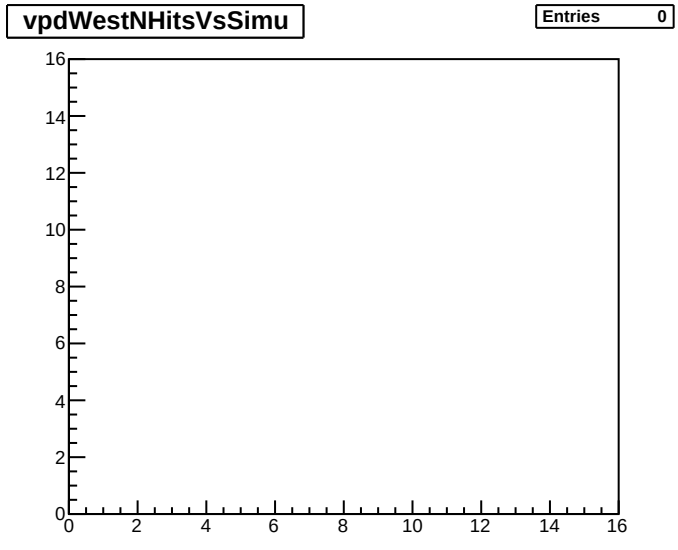

vpdEastTacSum
Entries 104
10^2
10
1
10^{-1}
0 10000 20000 30000 40000 50000 60000

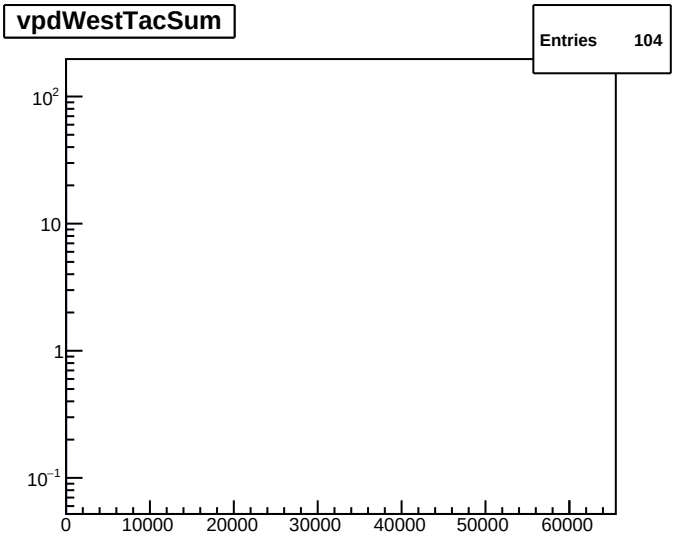

vpdEastTacSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0 10000 20000 30000 40000 50000 60000
Simu

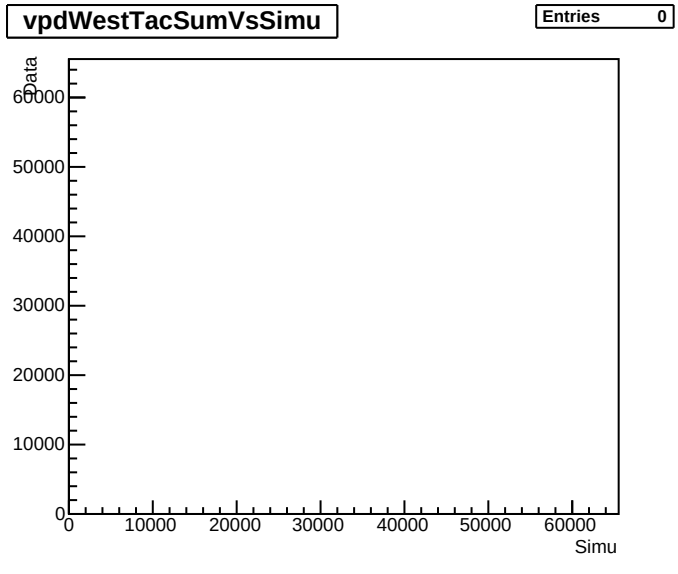

vpdWestAdcSum
Entries 104
10^2
10
1
10^{-1}
0 500 1000 1500 2000 2500 3000 3500 4000

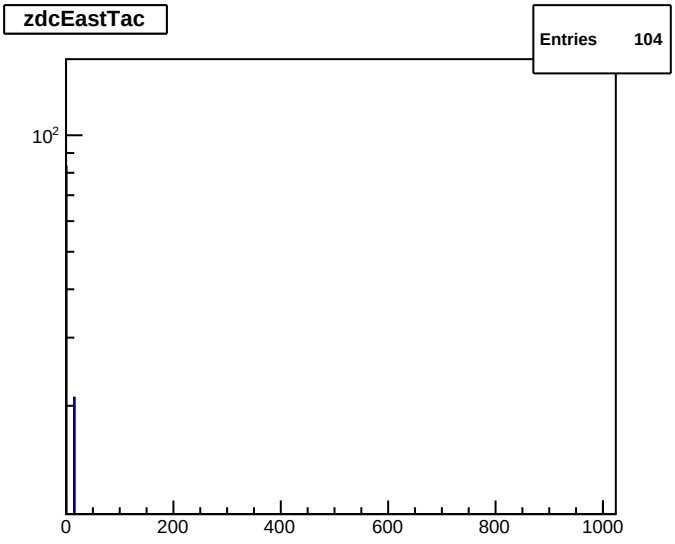

vpdWestAdcSumVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

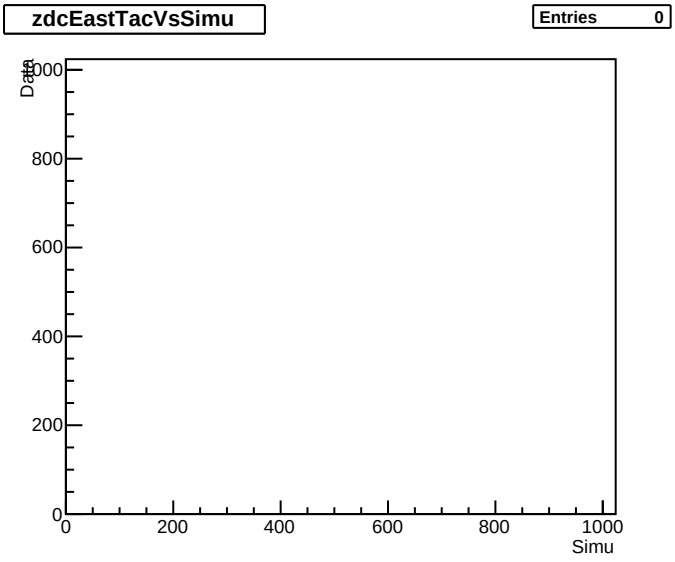

vpdWestNHits
Entries 104
10^2
10
1
10^{-1}
0 2 4 6 8 10 12 14 16

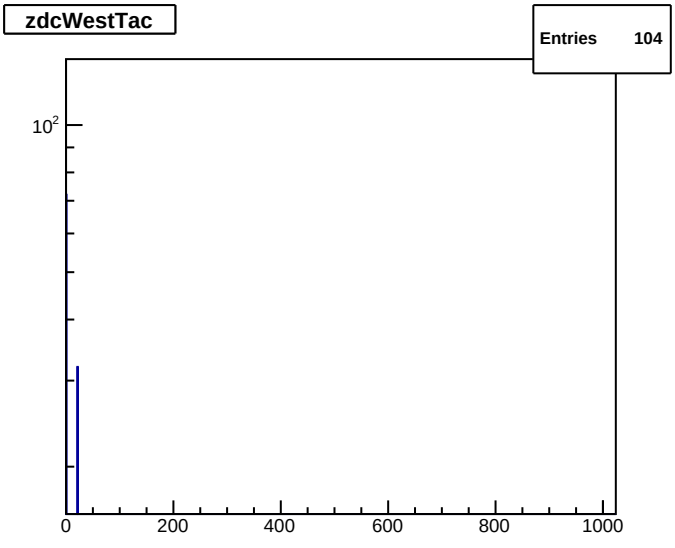

vpdWestNHitsVsSimu
Entries 0
16
14
12
10
8
6
4
2
0
0 2 4 6 8 10 12 14 16

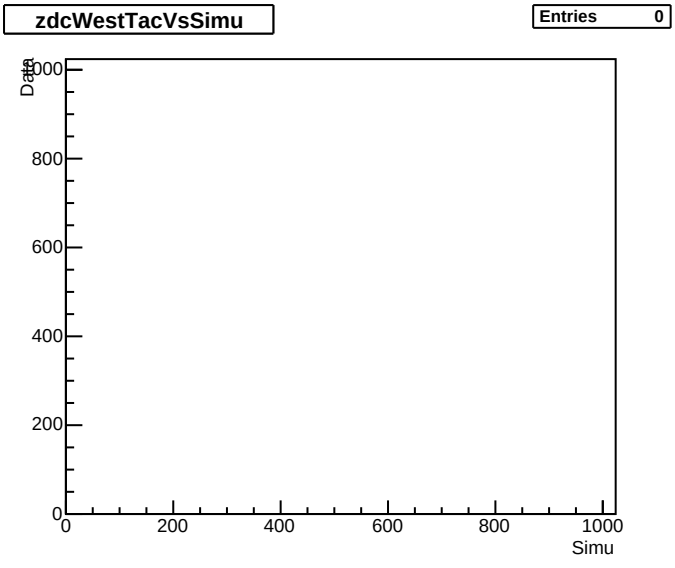

vpdWestTacSum
Entries 104
10^2
10
1
10^{-1}
0 10000 20000 30000 40000 50000 60000

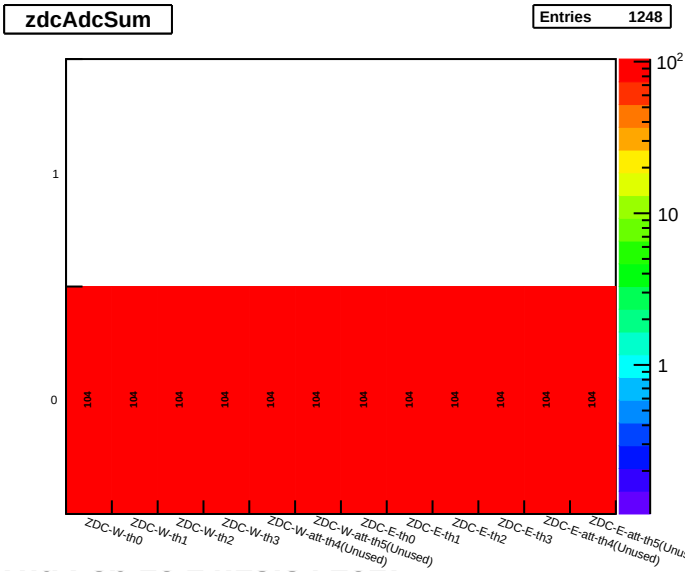

vpdWestTacSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0 10000 20000 30000 40000 50000 60000
Simu

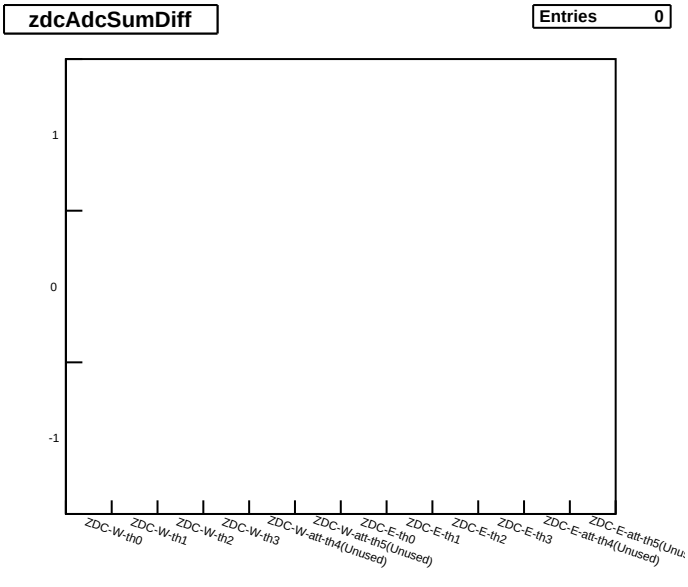

zdcEastTac
Entries 104
10^2
0
200
400
600
800
1000

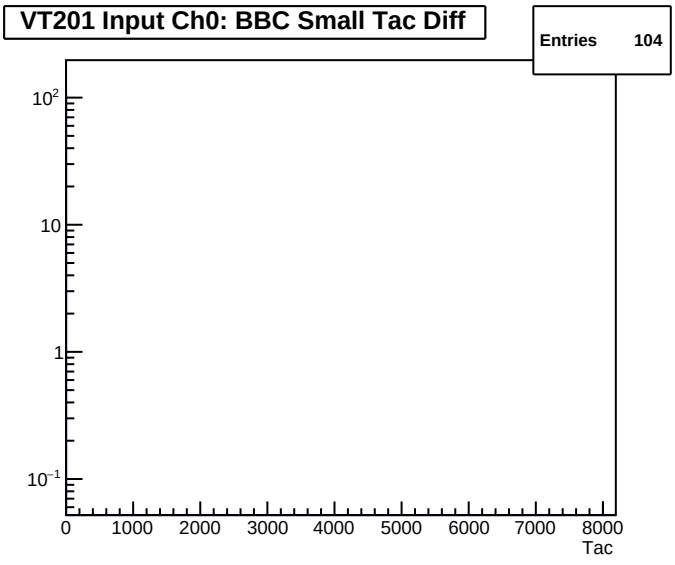

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

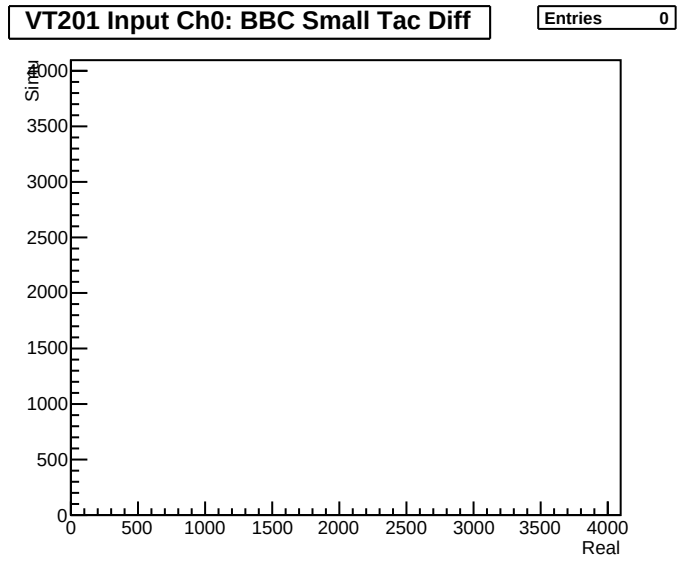

zdcWestTac
Entries 104
10^2
0
200
400
600
800
1000

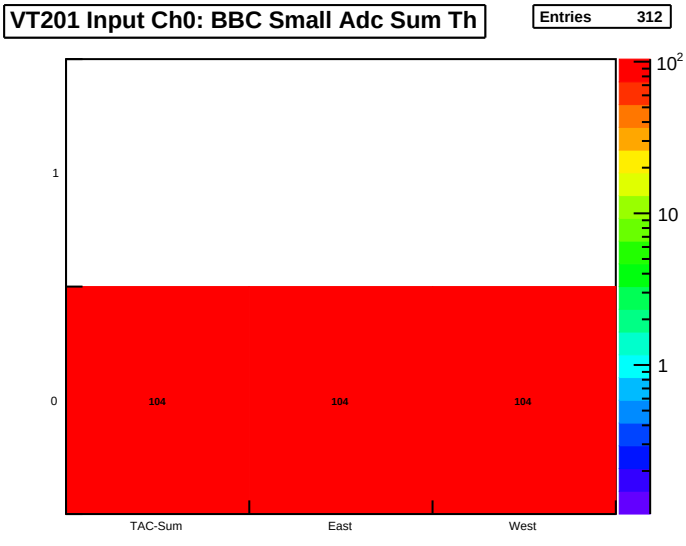

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

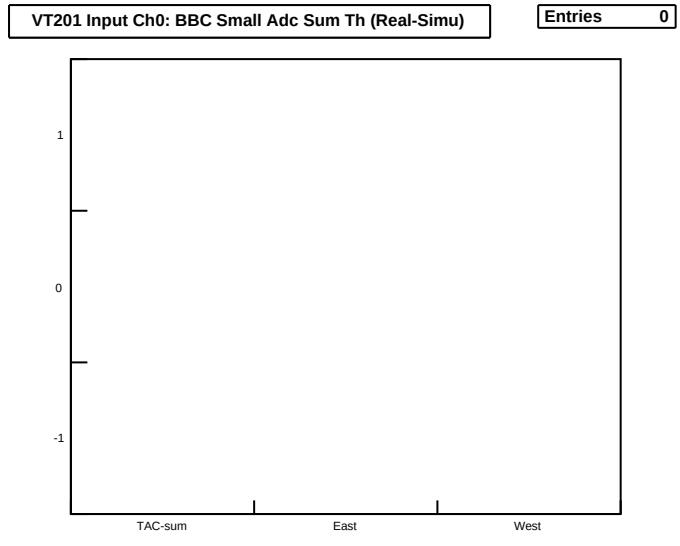

zdcAdcSum
Entries 1248
1
0
104
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

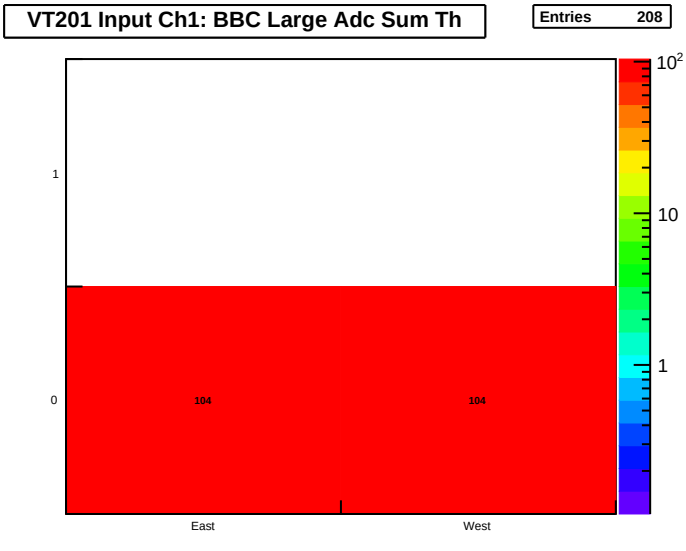

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

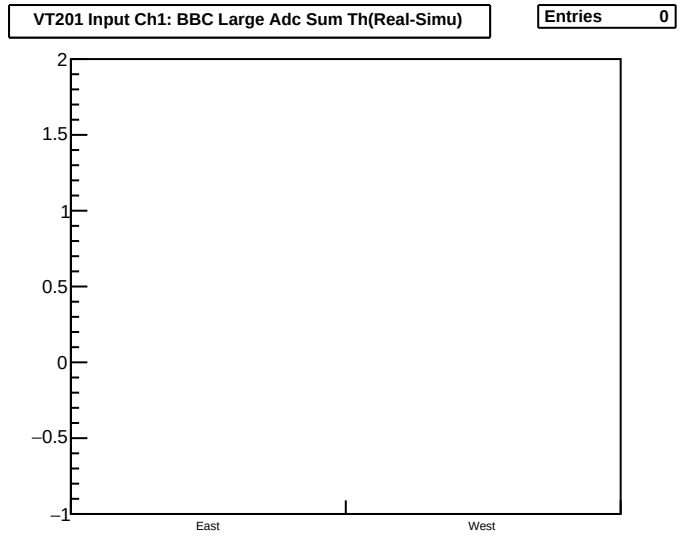

VT201 Input Ch0: BBC Small Tac Diff
Entries 104
Tac


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

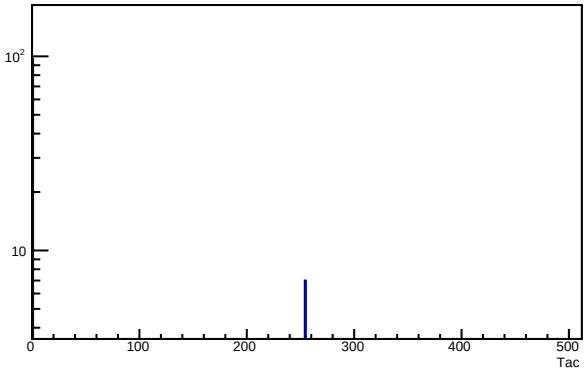

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 312
104
TAC-Sum
East
West


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

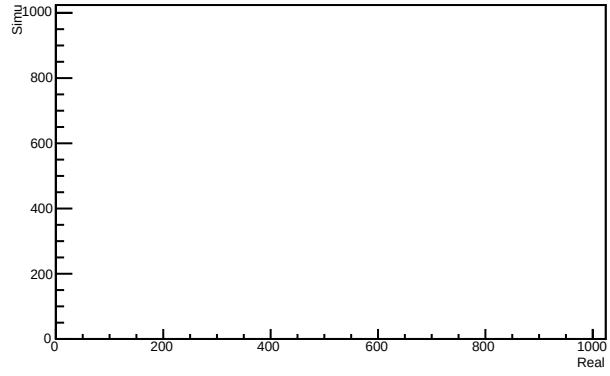

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 208
104
East
West


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

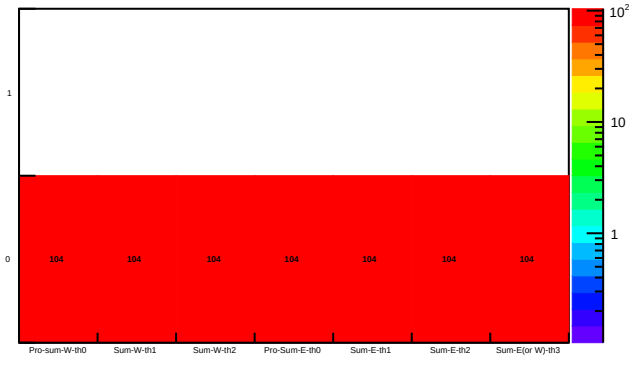
VT201 Input Ch2: ZDC Tac Diff



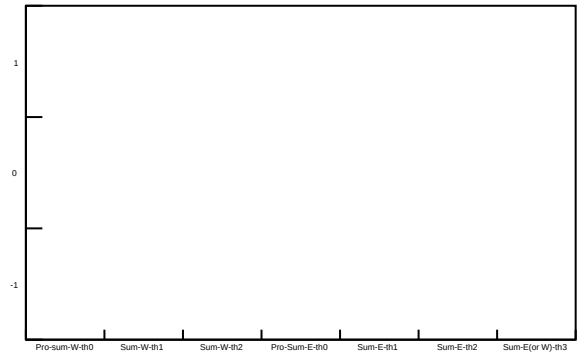
VT201 Input Ch2: ZDC Tac Diff



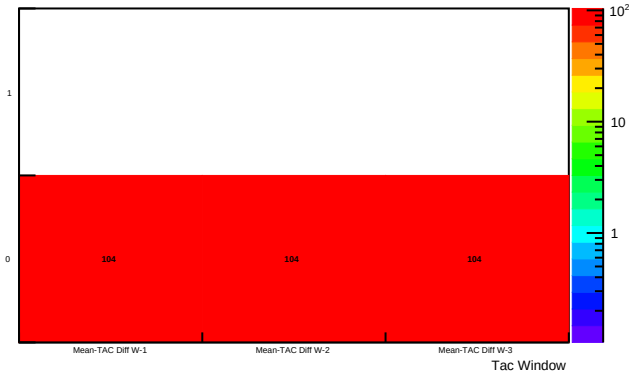
VT201 Input Ch2: ZDC Adc Sum Th



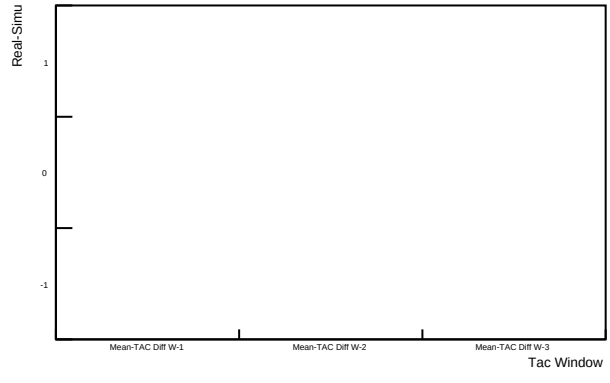
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



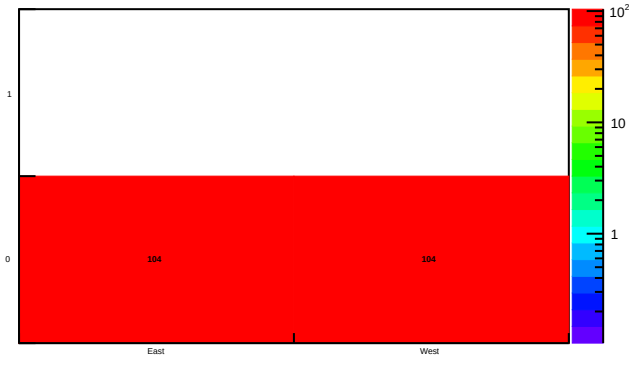
VT201 Input Ch4: VPD Tac Diff



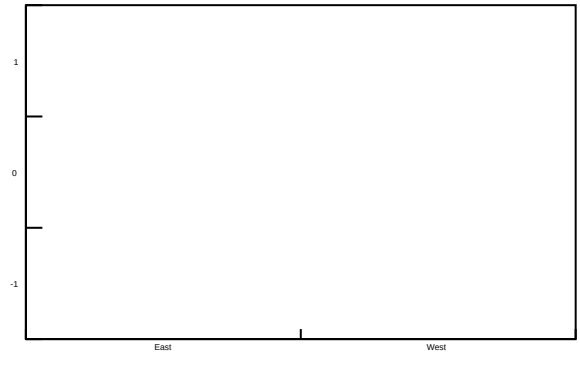
VT201 Input Ch4: VPD Tac Diff

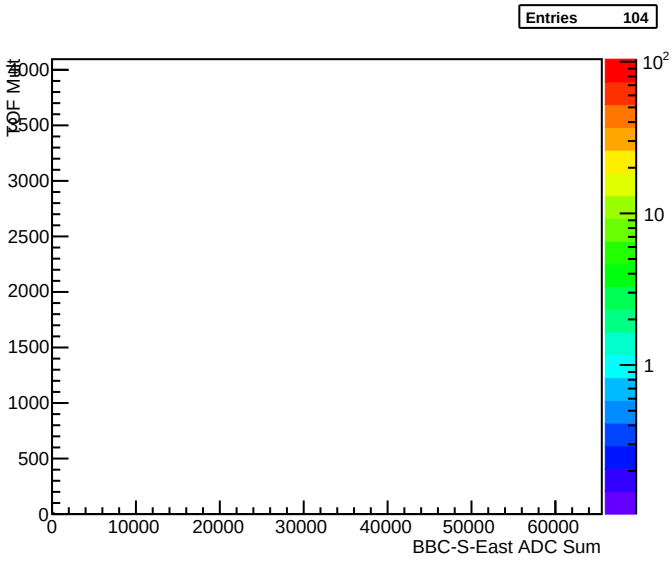


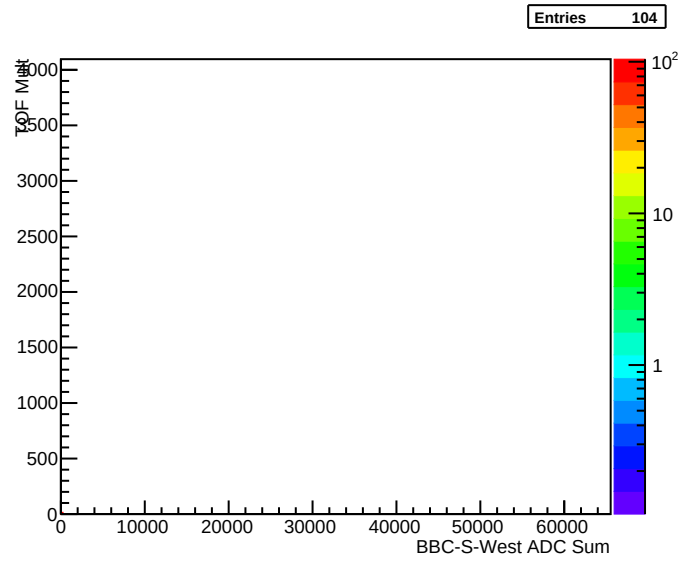
VT201 Input Ch4: VPD Adc Sum Th

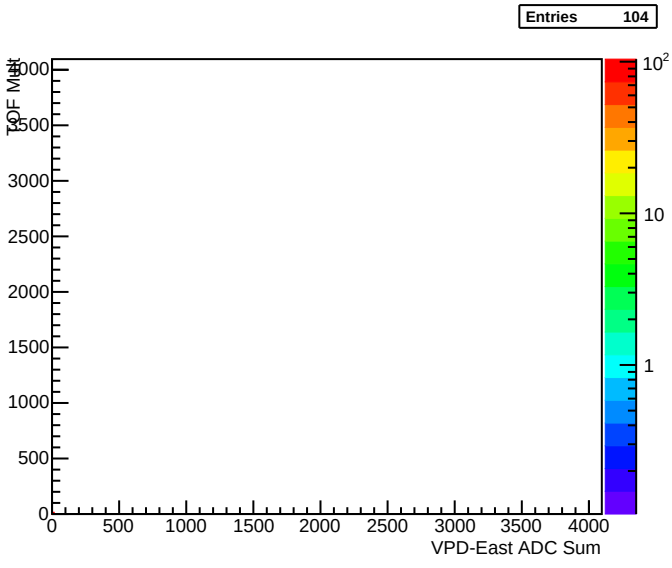


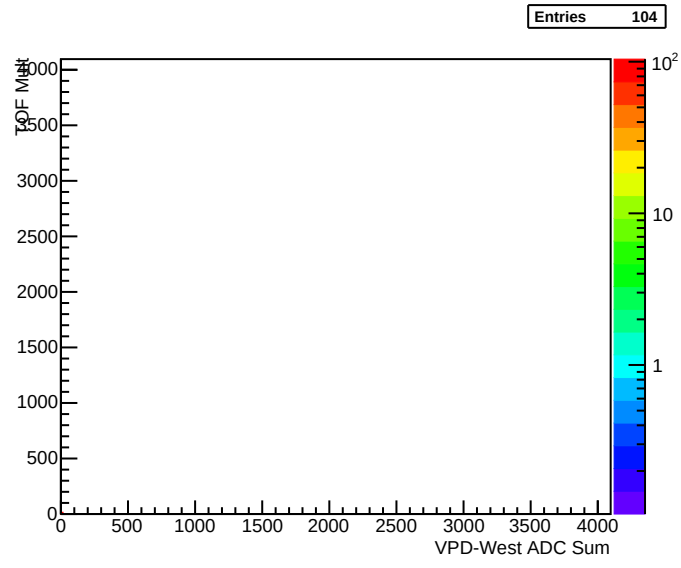
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

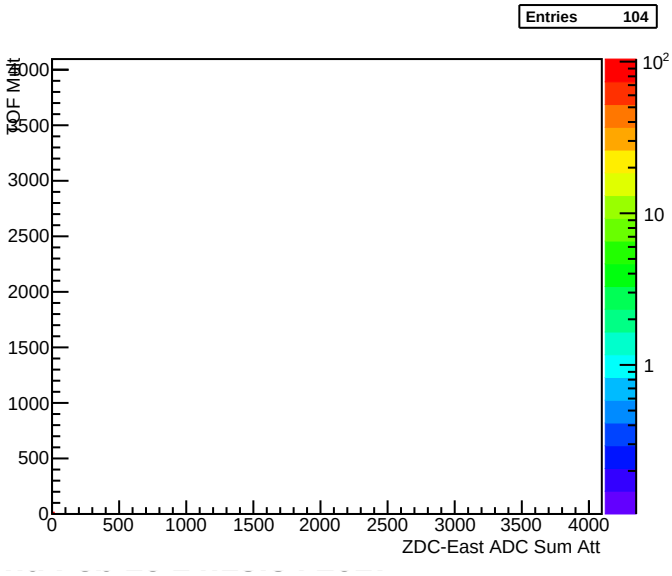


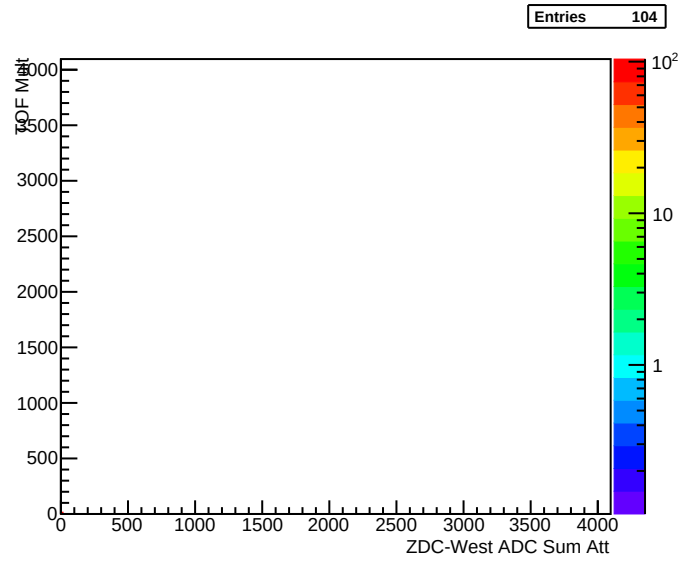

Entries 104
TOF Mult
BBC-S-East ADC Sum

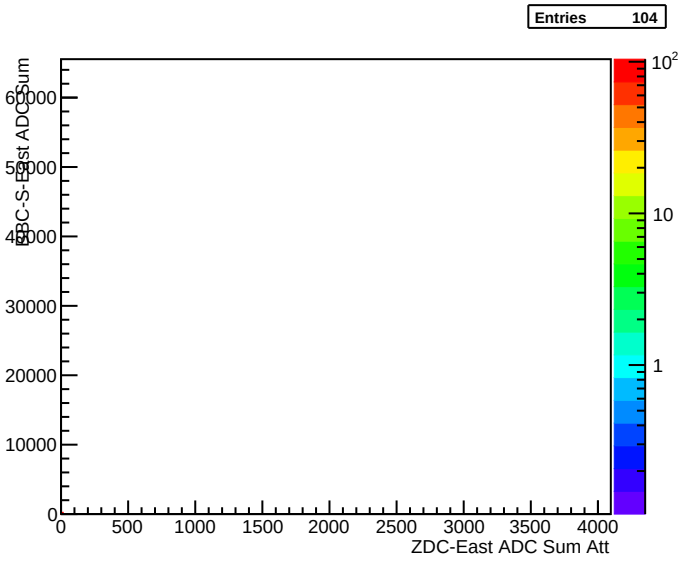

Entries 104
TOF Mult
BBC-S-West ADC Sum

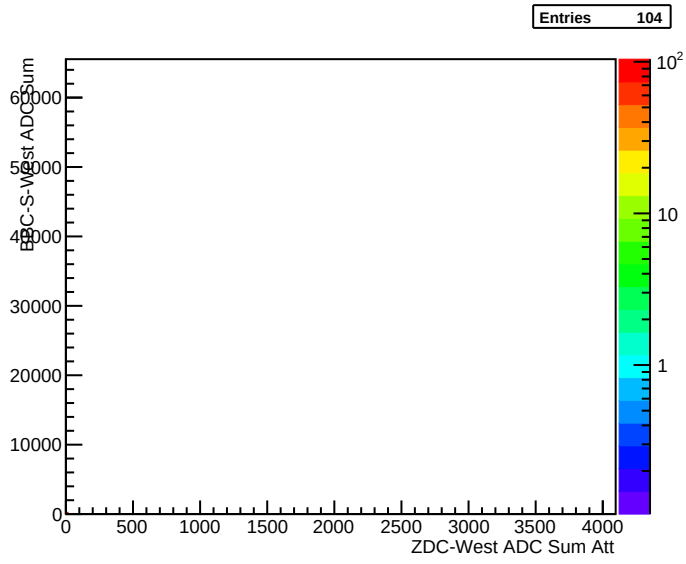

Entries 104
TOF Mult
VPD-East ADC Sum

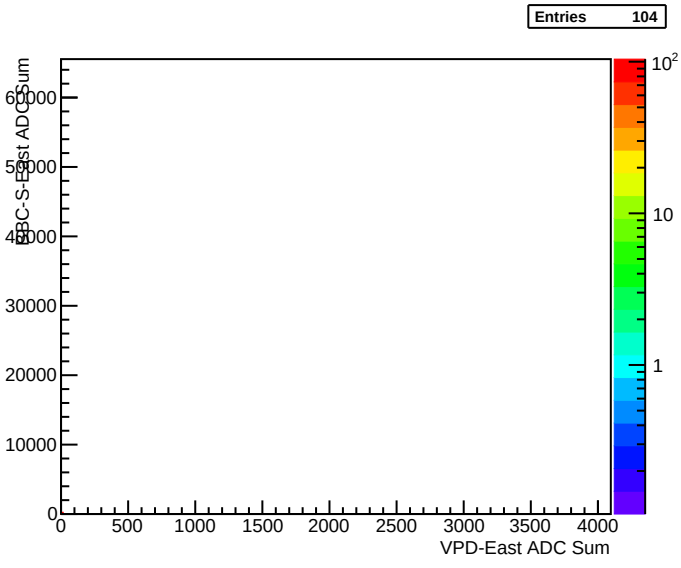

Entries 104
TOF Mult
VPD-West ADC Sum

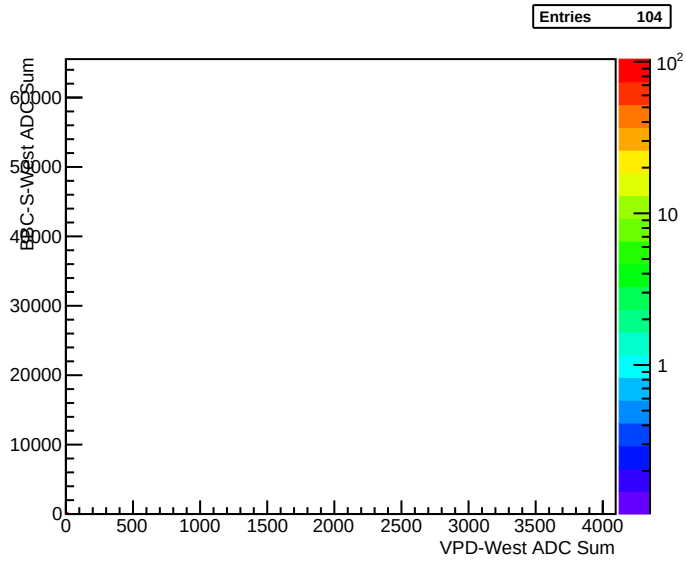

Entries 104
TOF Mult
ZDC-East ADC Sum Att

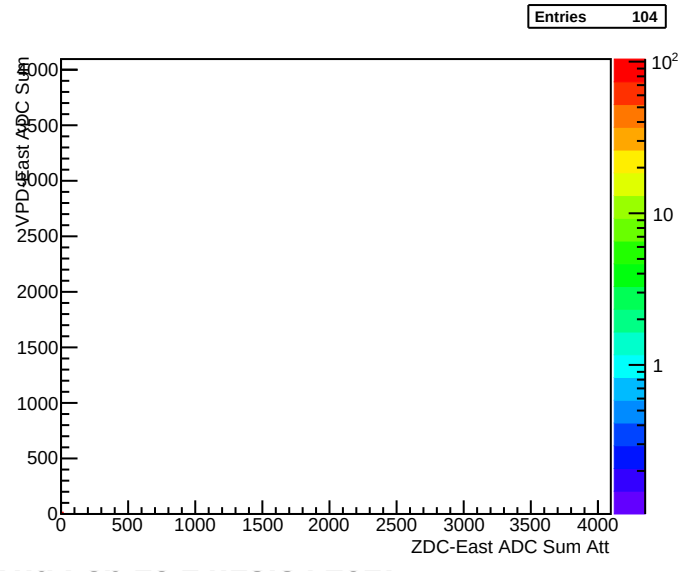

Entries 104
TOF Mult
ZDC-West ADC Sum Att

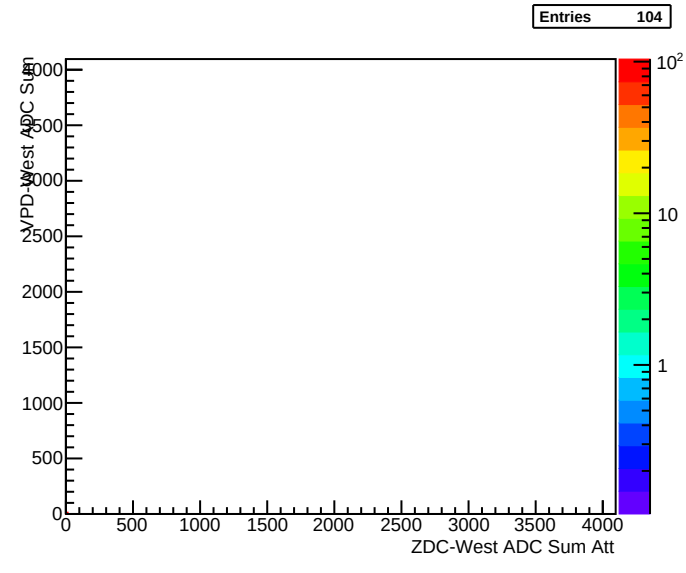

Entries 104
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

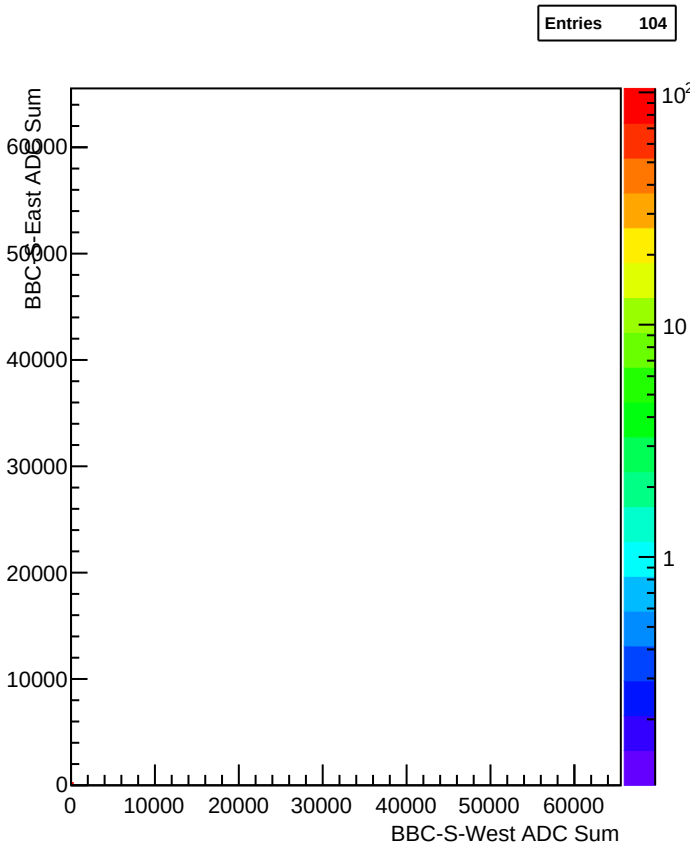

Entries 104
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

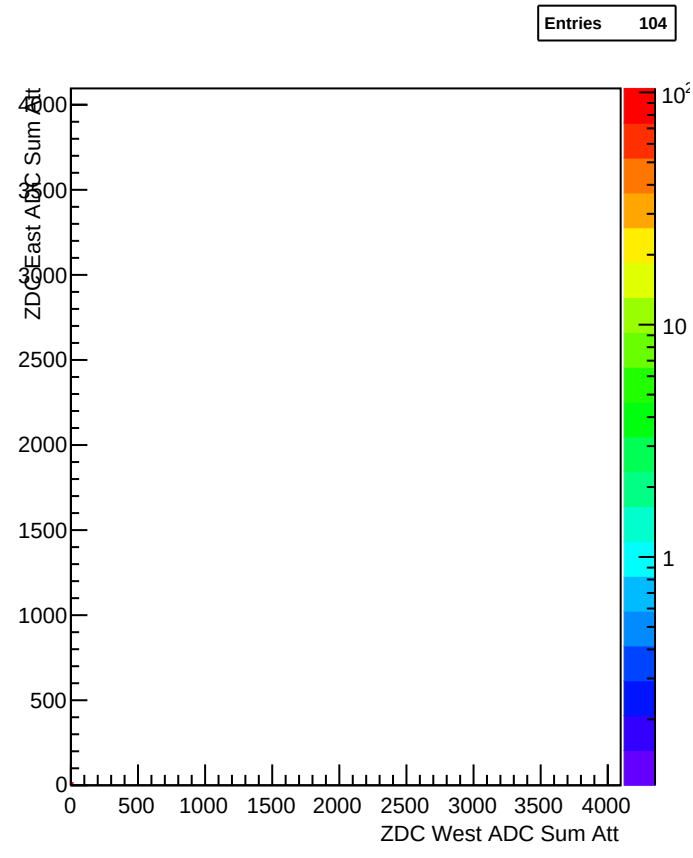

Entries 104
BBC-S-East ADC Sum
VPD-East ADC Sum

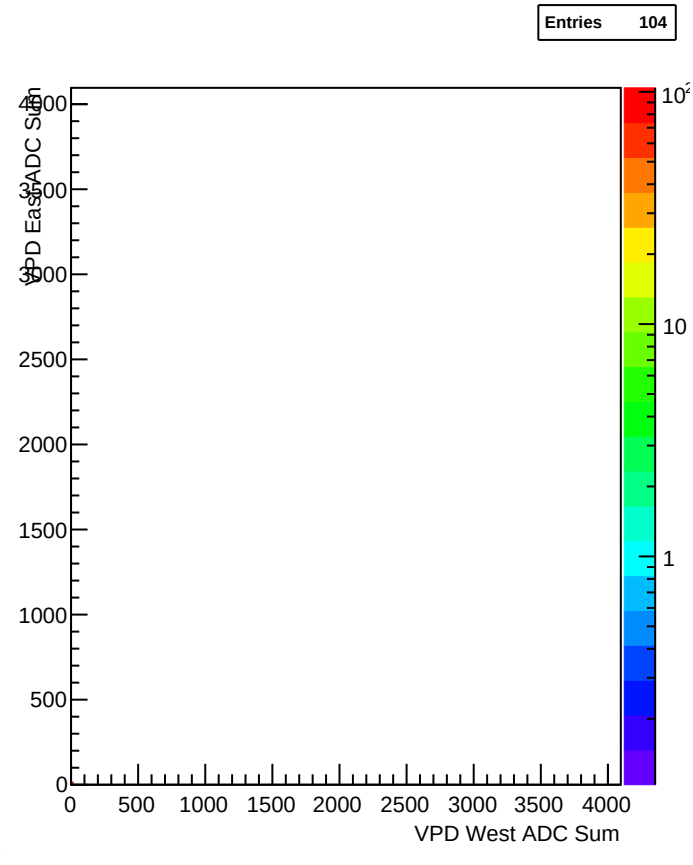

Entries 104
BBC-S-West ADC Sum
VPD-West ADC Sum

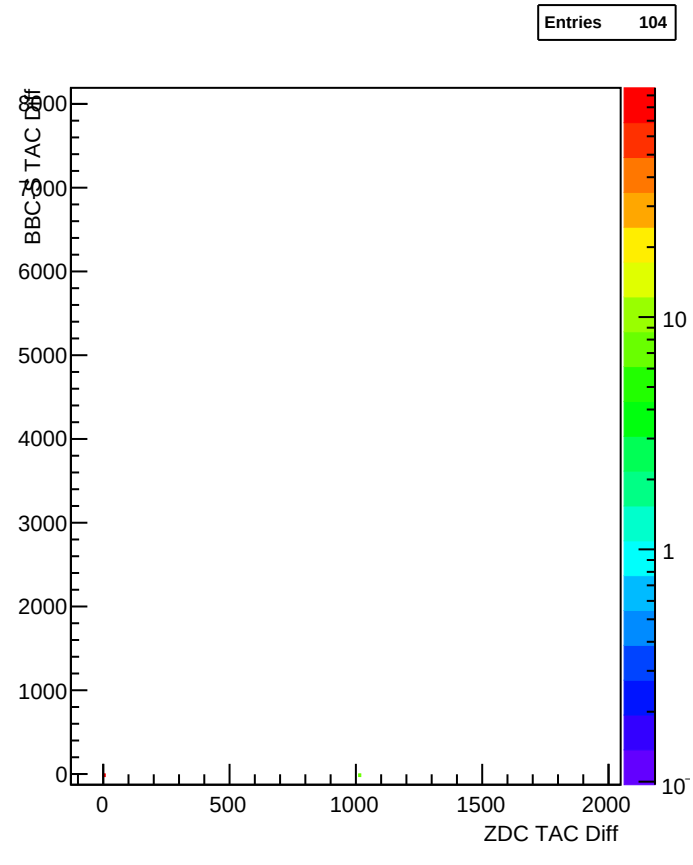

Entries 104
VPD-East ADC Sum
ZDC-East ADC Sum Att

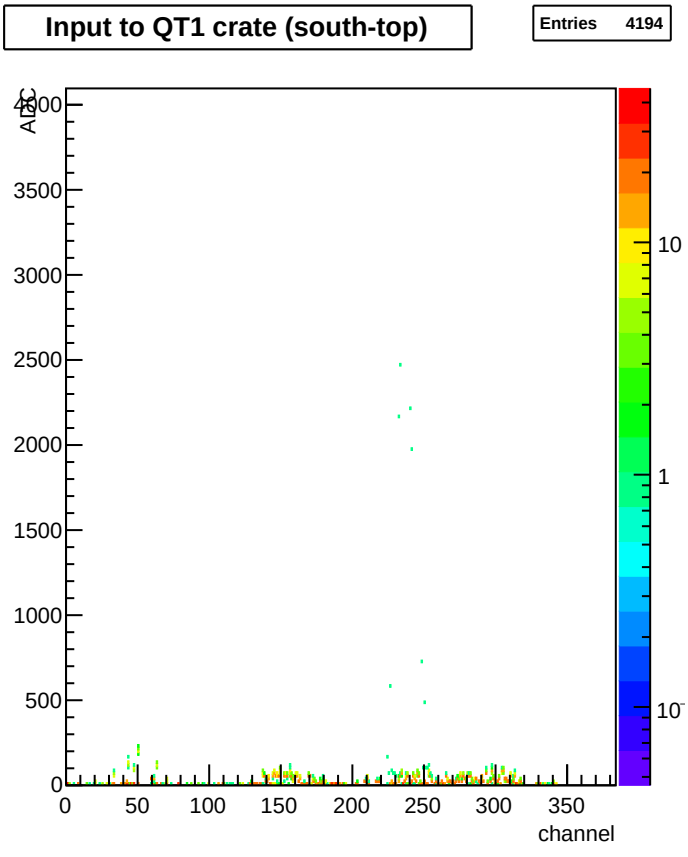

Entries 104
VPD-West ADC Sum
ZDC-West ADC Sum Att

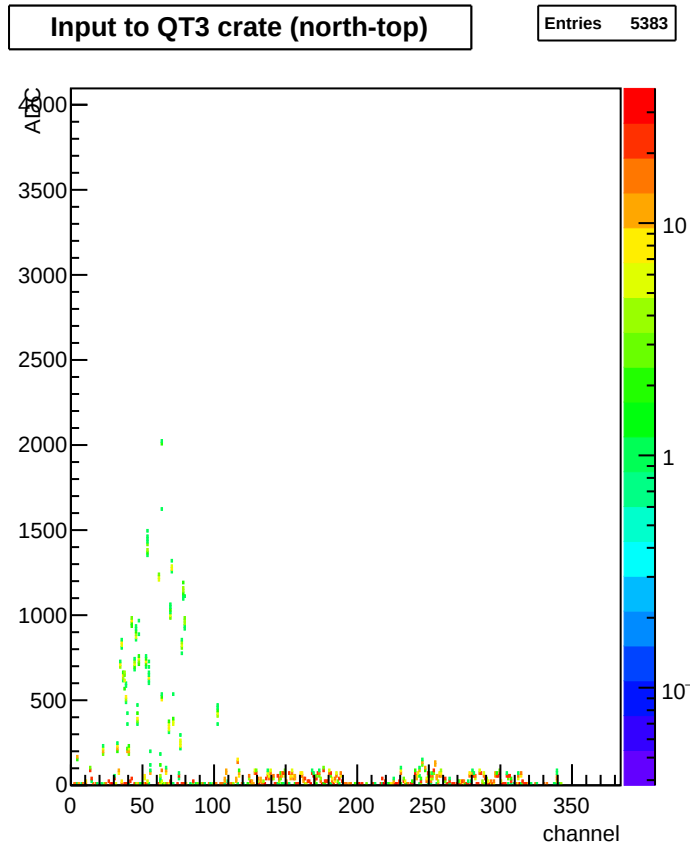

Entries 104
BBC-S-East ADC Sum
BBC-S-West ADC Sum
0
10000
20000
30000
40000
50000
60000
1
10
10²

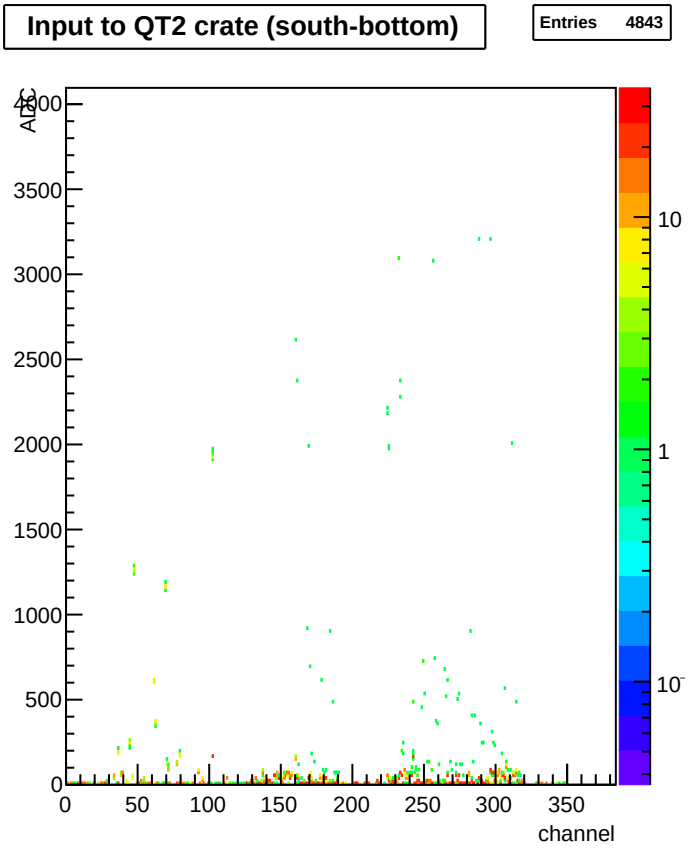

Entries 104
ZDC East ADC Sum Att
ZDC West ADC Sum Att
0
500
1000
1500
2000
2500
3000
3500
4000
1
10
10²

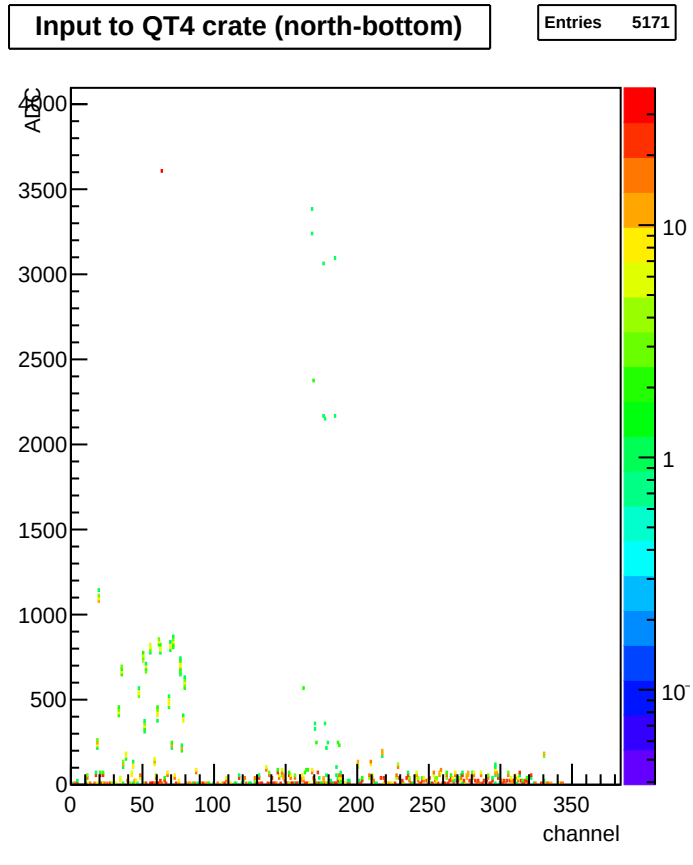

Entries 104
VPD East ADC Sum
VPD West ADC Sum
0
500
1000
1500
2000
2500
3000
3500
4000
1
10
10²

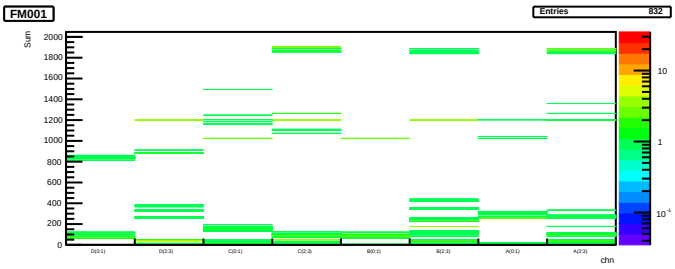

Entries 104
BBC-S TAC Diff
ZDC TAC Diff
0
500
1000
1500
2000
1000
2000
3000
4000
5000
6000
7000
8000
1
10
10⁻

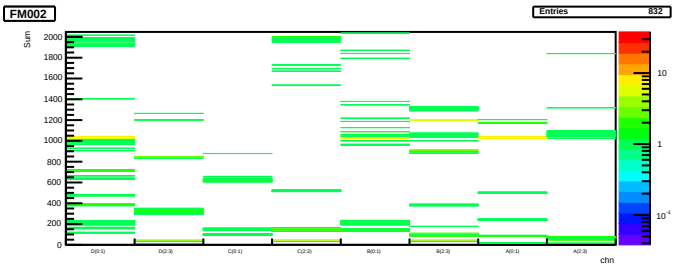

Input to QT1 crate (south-top)
Entries 4194
ADC
channel

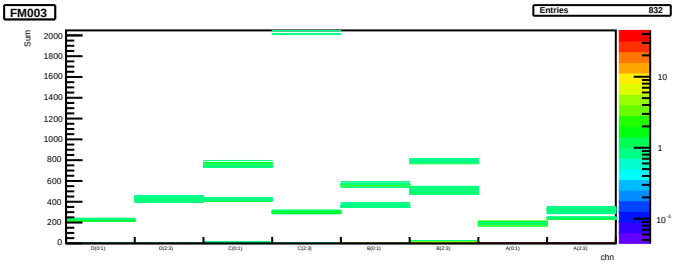

Input to QT3 crate (north-top)
Entries 5383
ADC
channel

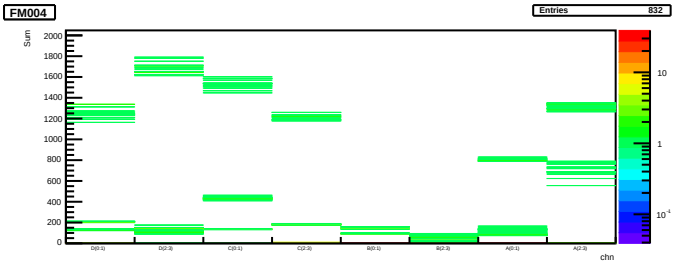

Input to QT2 crate (south-bottom)
Entries 4843
ADC
channel

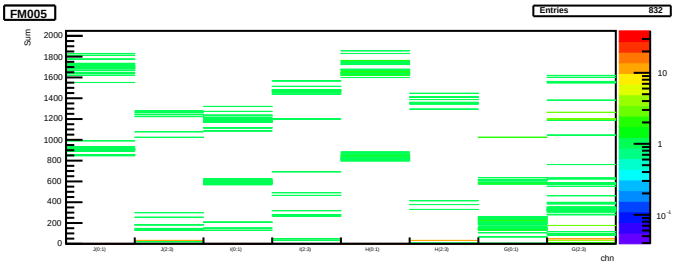

Input to QT4 crate (north-bottom)
Entries 5171
ADC
channel

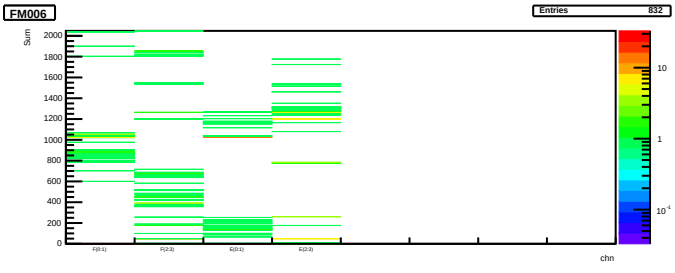

FM001
Entries 832
Sum
chn

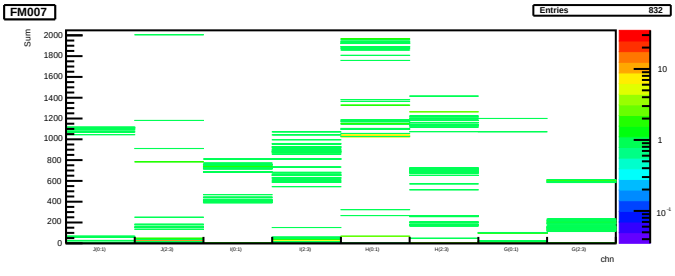

FM002
Entries 832
Sum
chn

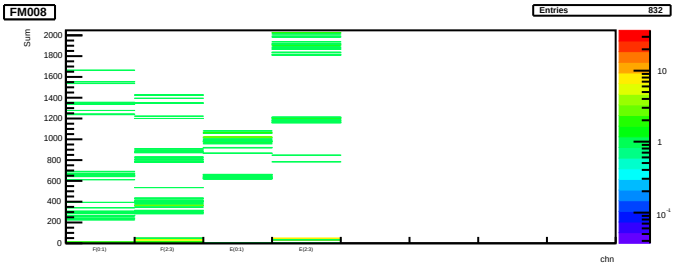

FM003
Entries 832
Sum
chn

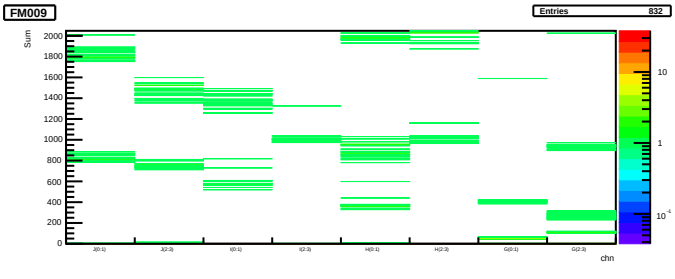

FM004
Entries 832
Sum
chn

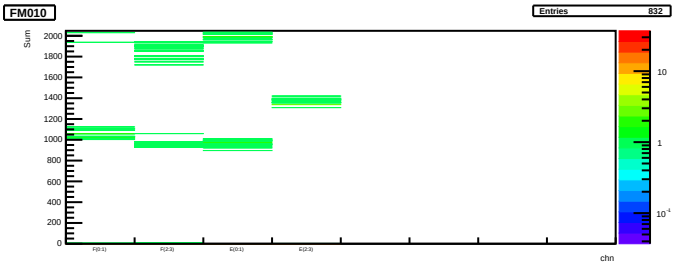

FM005
Entries 832
Sum
chn

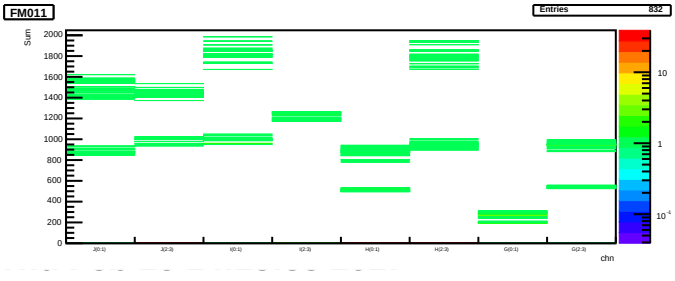

FM006
Entries 832
Sum
chn

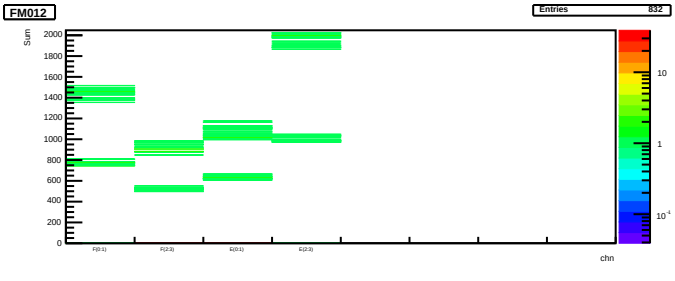

FM007
Entries 832
Sum
chn

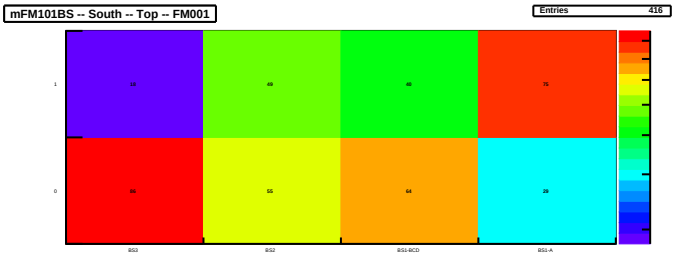

FM008
Entries 832
Sum
chn

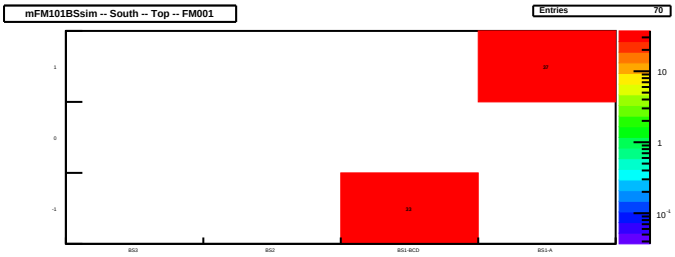

FM009
Entries 832
Sum
chn

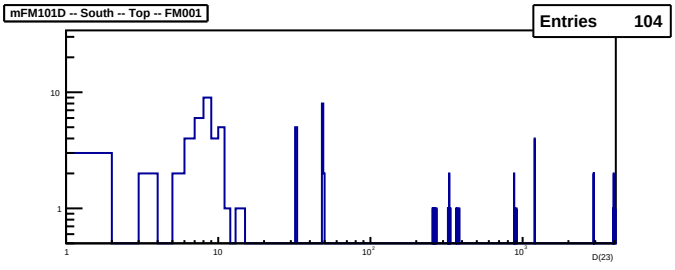

FM010
Entries 832
Sum
chn

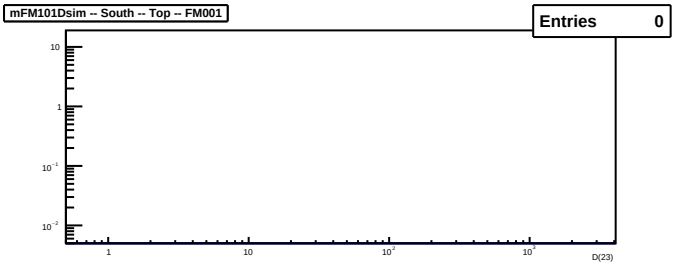

FM011
Entries 832
Sum
chn

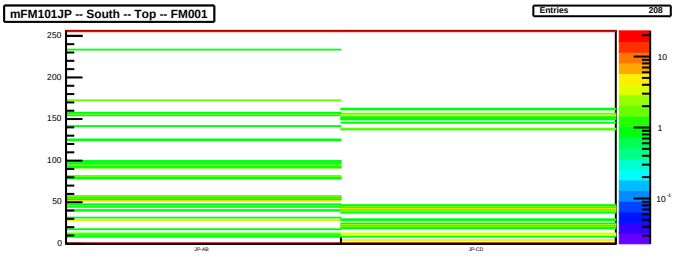

FM012
Entries 832
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 416

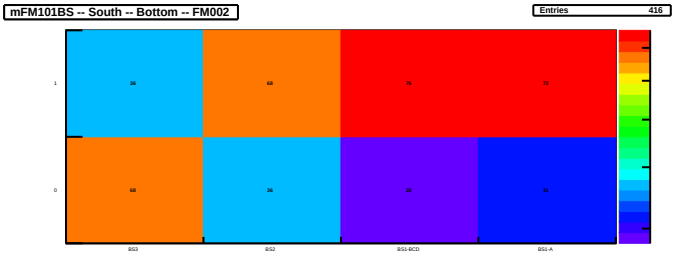

mFM101BSsim -- South -- Top -- FM001
Entries 70

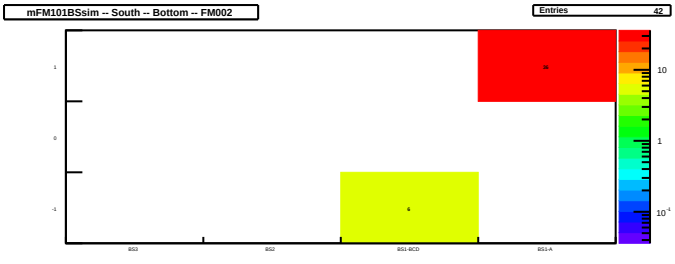

mFM101D -- South -- Top -- FM001
Entries 104
D(23)

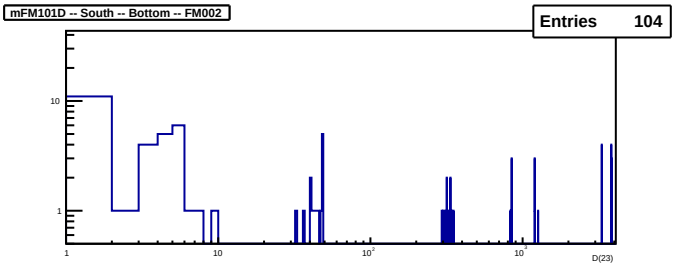

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

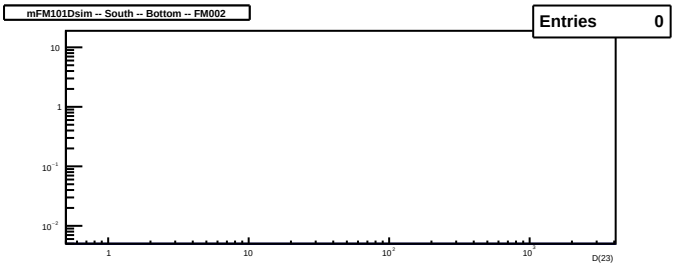

mFM101JP -- South -- Top -- FM001
Entries 208

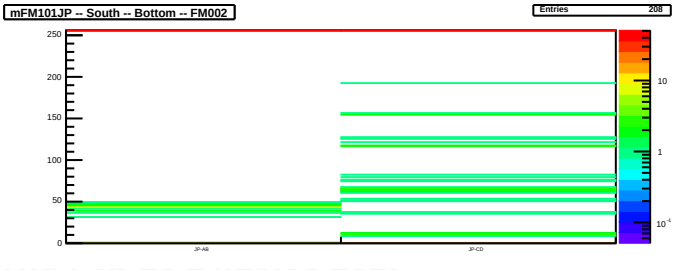
mFM101JPsim -- South -- Top -- FM001
Entries 0

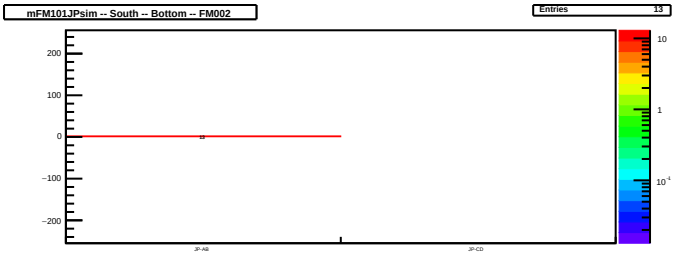

mFM101BS -- South -- Bottom -- FM002
Entries 416

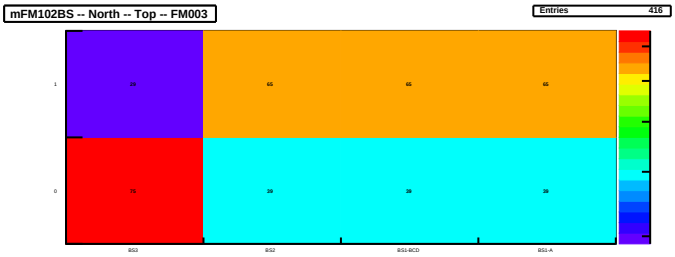

mFM101BSsim -- South -- Bottom -- FM002
Entries 42


mFM101D -- South -- Bottom -- FM002
Entries 104
D(23)

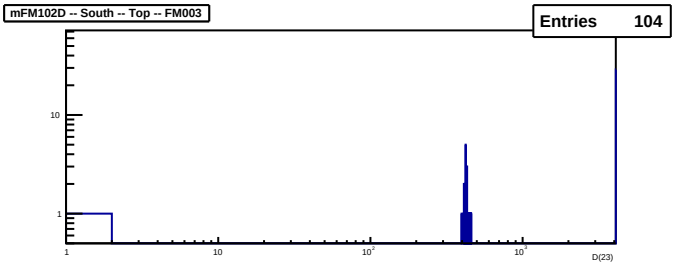

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

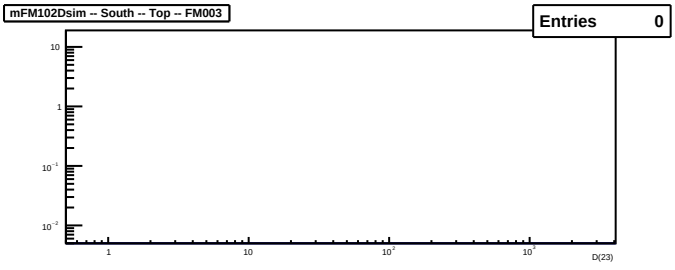

mFM101JP -- South -- Bottom -- FM002
Entries 208

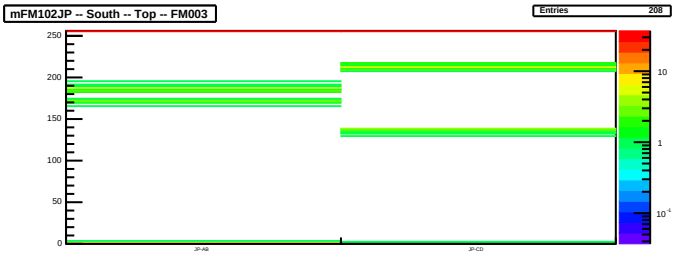

mFM101JPsim -- South -- Bottom -- FM002
Entries 13


mFM102BS -- North -- Top -- FM003
Entries 416

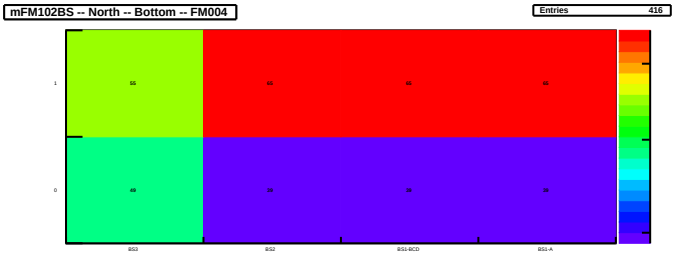
mFM102BSsim -- North -- Top -- FM003
Entries 0

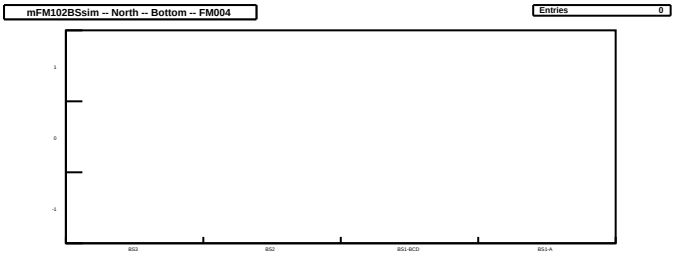

mFM102D -- South -- Top -- FM003
Entries 104
D(23)

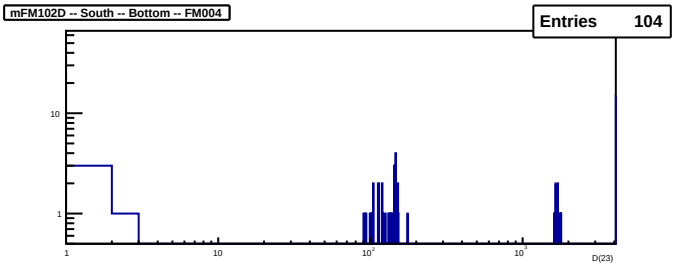

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

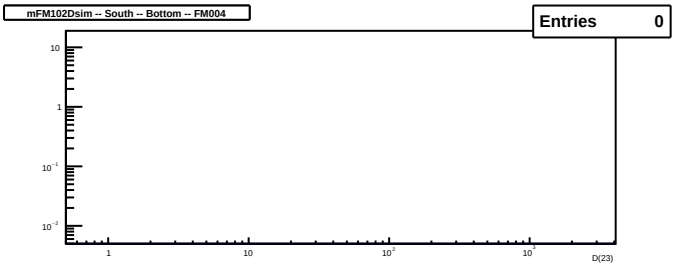

mFM102JP -- South -- Top -- FM003
Entries 208

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


mFM102BS -- North -- Bottom -- FM004
Entries 416


mFM102BSsim -- North -- Bottom -- FM004
Entries 0


mFM102D -- South -- Bottom -- FM004
Entries 104
D(23)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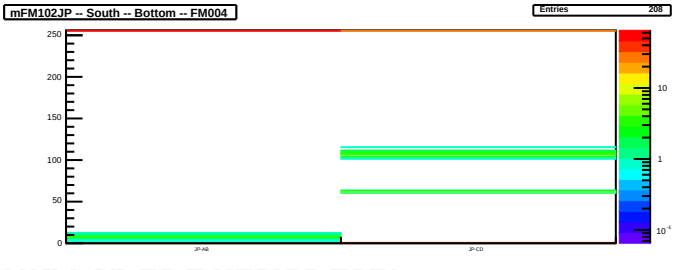
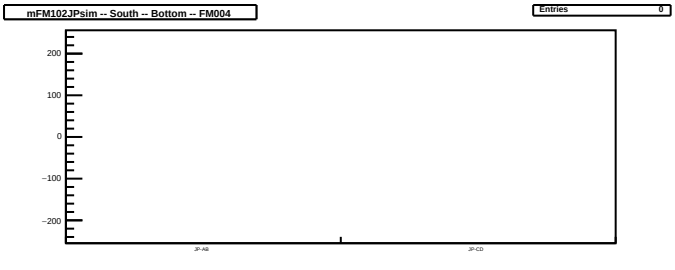
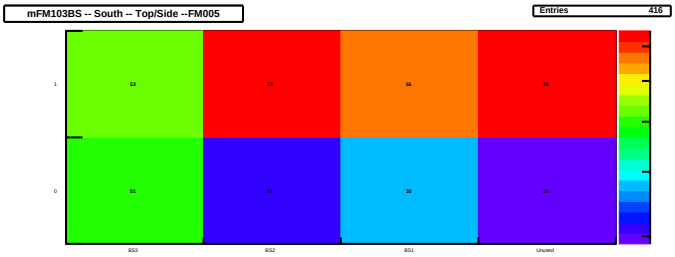
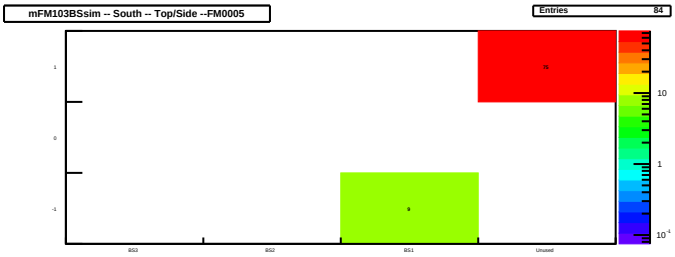
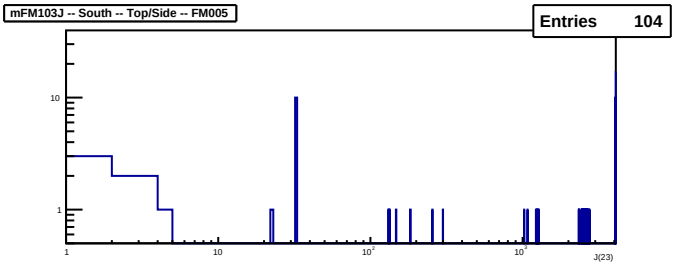
Entries 0
D(23)

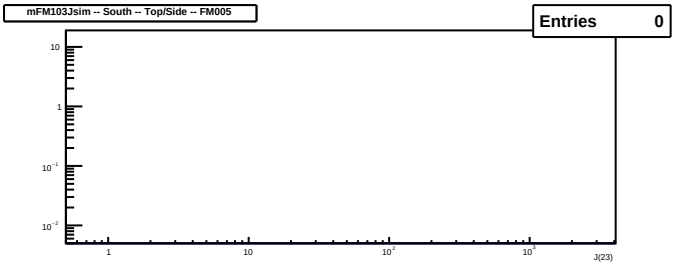

mFM102JP -- South -- Bottom -- FM004
Entries 208

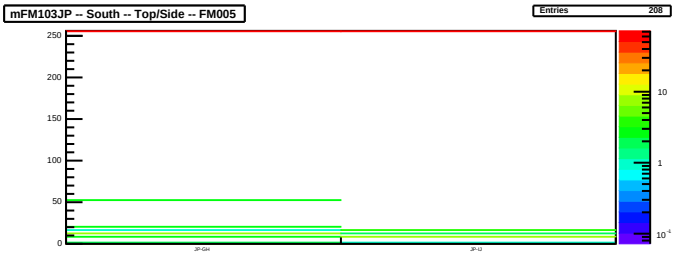

mFM102JPsim -- South -- Bottom -- FM004
Entries 0

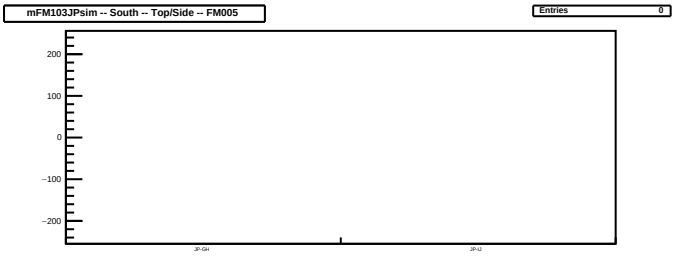

mFM103BS -- South -- Top/Side --FM005
Entries 416
53
72
66
75
51
51
38
29
BS3
BS2
BS1
Unused

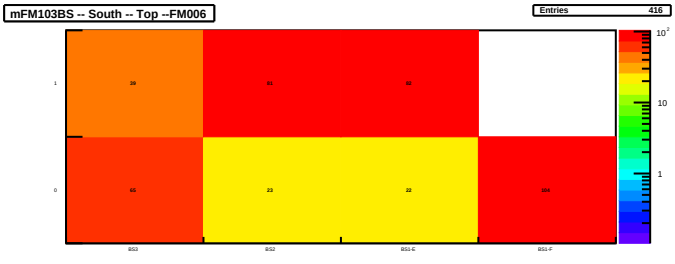

mFM103BSsim -- South -- Top/Side --FM0005
Entries 84
75
9
BS3
BS2
BS1
Unused

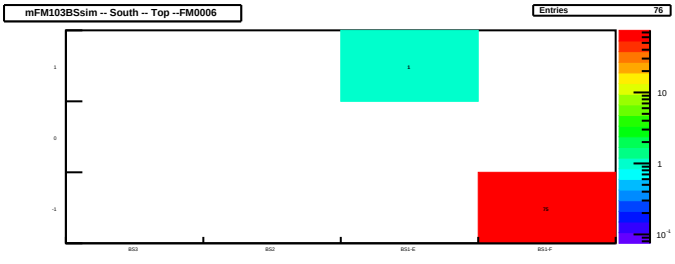

mFM103J -- South -- Top/Side -- FM005
Entries 104
J(23)

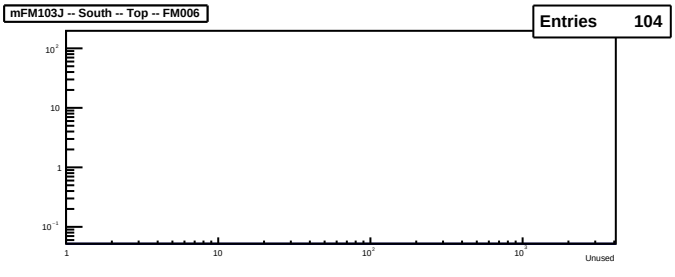

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

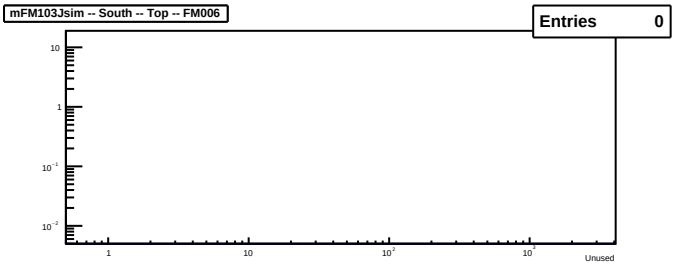

mFM103JP -- South -- Top/Side -- FM005
Entries 208
JP-GH
JP-IJ

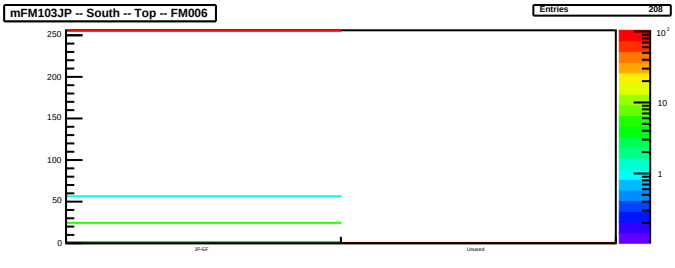

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0
JP-GH
JP-IJ

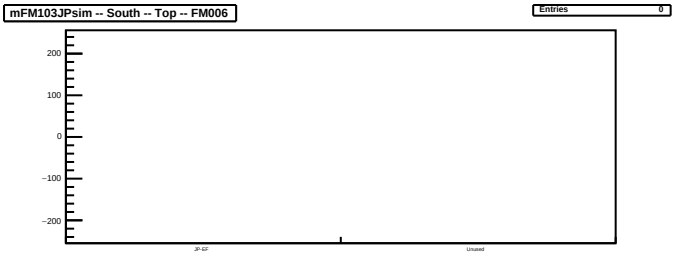

mFM103BS -- South -- Top --FM006
Entries 416
39
61
62
65
23
22
104
BS3
BS2
BS1-E
BS1-F

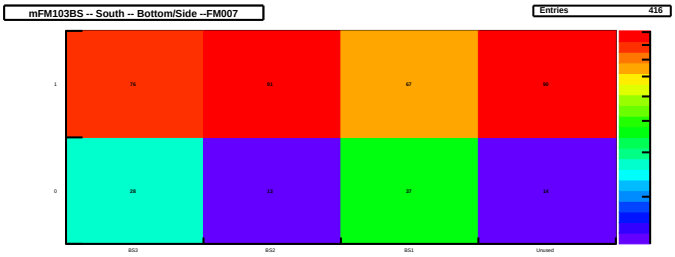

mFM103BSsim -- South -- Top --FM0006
Entries 76
1
75
BS3
BS2
BS1-E
BS1-F

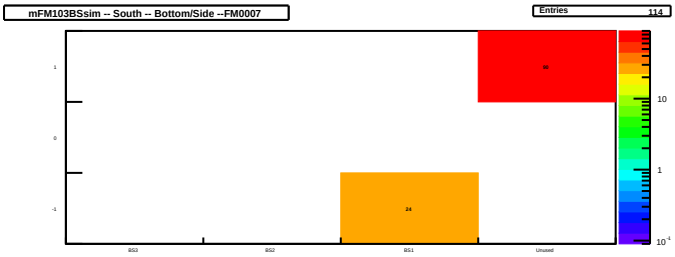

mFM103J -- South -- Top -- FM006
Entries 104
Unused

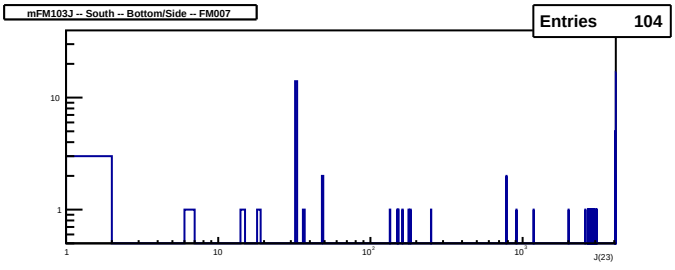

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

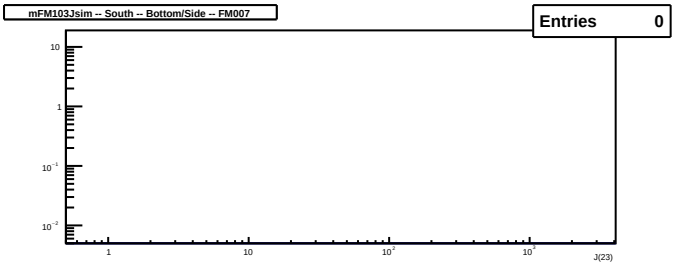

mFM103JP -- South -- Top -- FM006
Entries 208
JP-EF
Unused

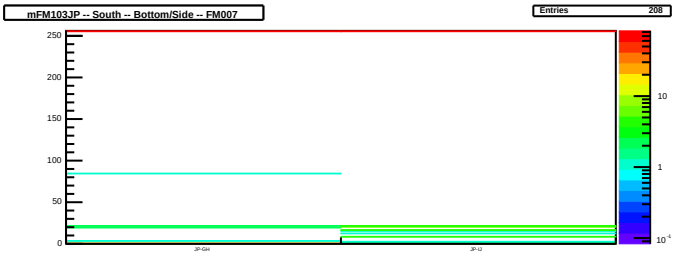

mFM103JPsim -- South -- Top -- FM006
Entries 0
JP-EF
Unused

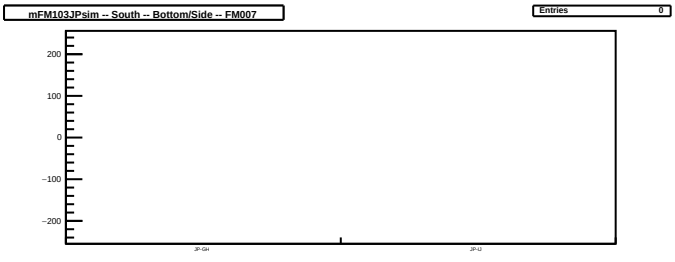

mFM103BS -- South -- Bottom/Side --FM007
Entries 416
76
91
67
66
28
13
37
14
BS3
BS2
BS1
Unused

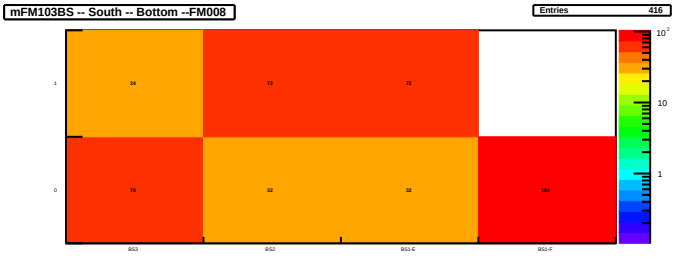

mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 114
60
24
BS3
BS2
BS1
Unused

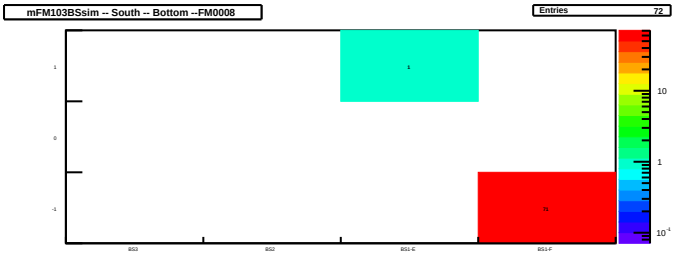

mFM103J -- South -- Bottom/Side -- FM007
Entries 104
J(23)

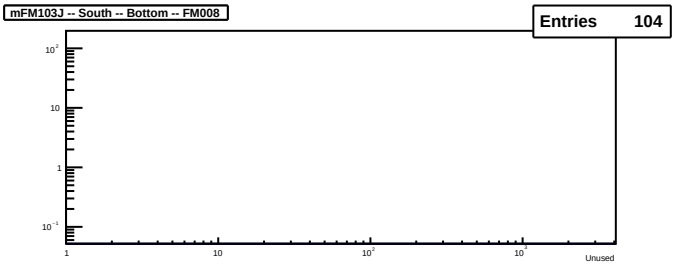

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

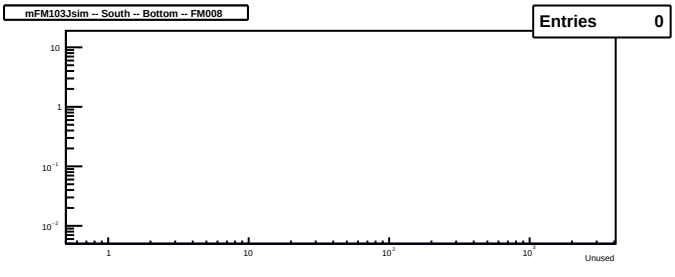

mFM103JP -- South -- Bottom/Side -- FM007
Entries 208
JP-GH
JP-IJ


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


mFM103BS -- South -- Bottom --FM008
Entries 416
34
72
72
70
32
32
104
BS3
BS2
BS1-E
BS1-F


mFM103BSsim -- South -- Bottom --FM0008
Entries 72
1
71
BS3
BS2
BS1-E
BS1-F


mFM103J -- South -- Bottom -- FM008
Entries 104
Unused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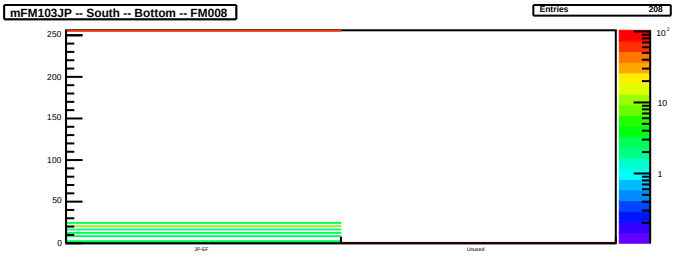
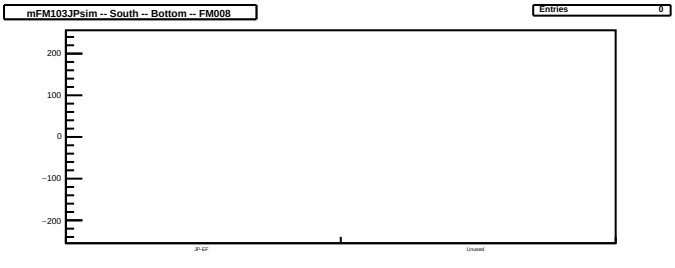
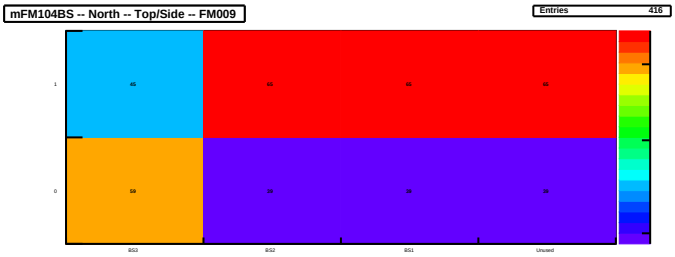
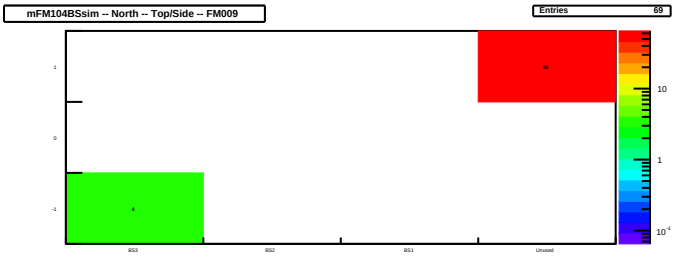
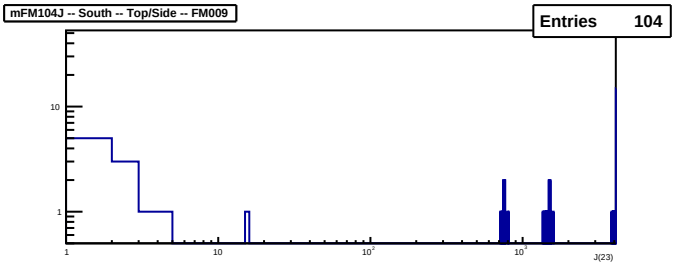
Entries 0
Unused

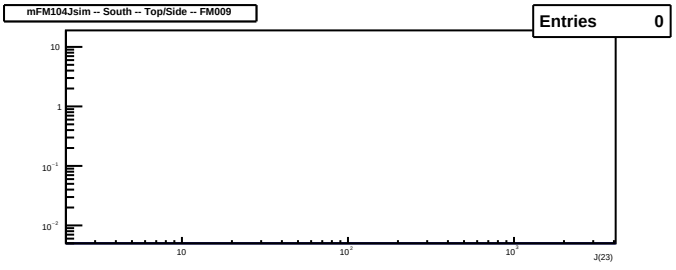

mFM103JP -- South -- Bottom -- FM008
Entries 208
JP-EF
Unused

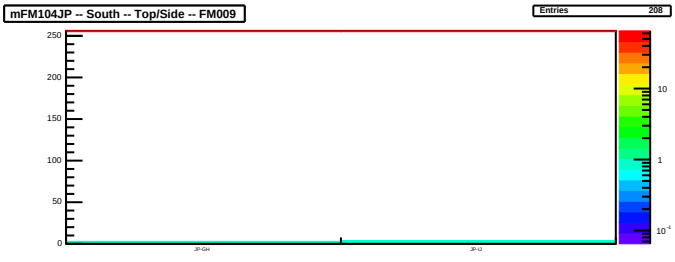

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

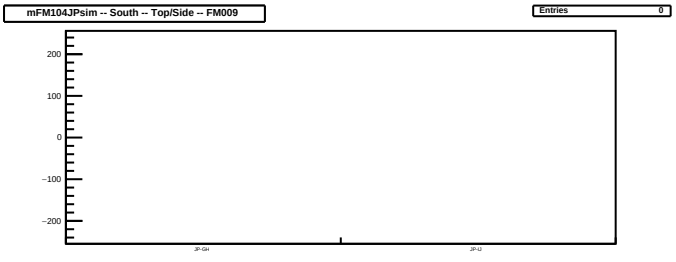

mFM104BS -- North -- Top/Side -- FM009
Entries 416
45
65
65
65
59
39
39
39
BS3
BS2
BS1
Unused

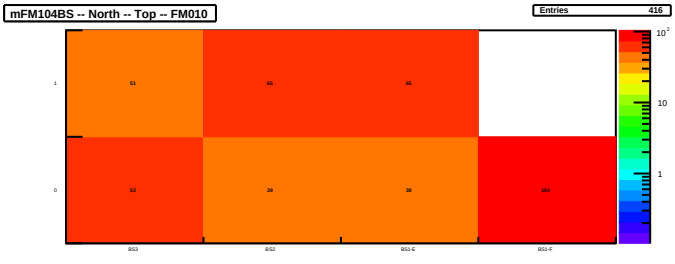

mFM104BSsim -- North -- Top/Side -- FM009
Entries 69
65
4
BS3
BS2
BS1
Unused

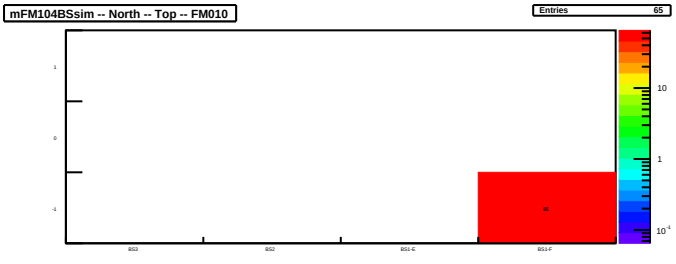

mFM104J -- South -- Top/Side -- FM009
Entries 104
J(23)

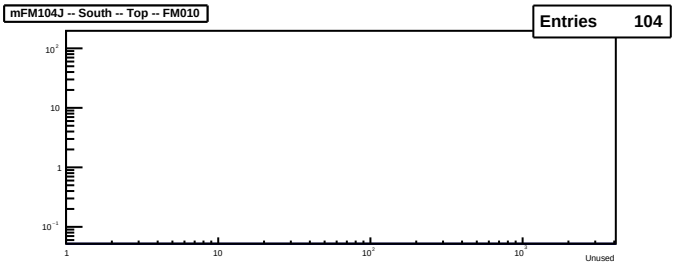

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

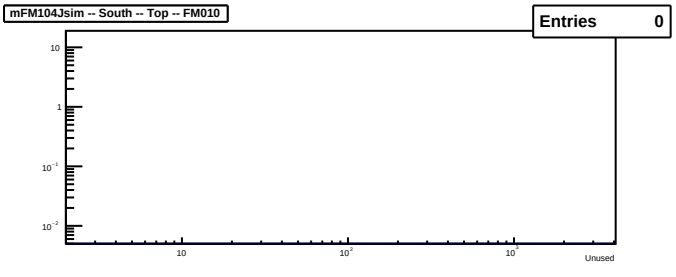

mFM104JP -- South -- Top/Side -- FM009
Entries 208
JP-GH
JP-IJ

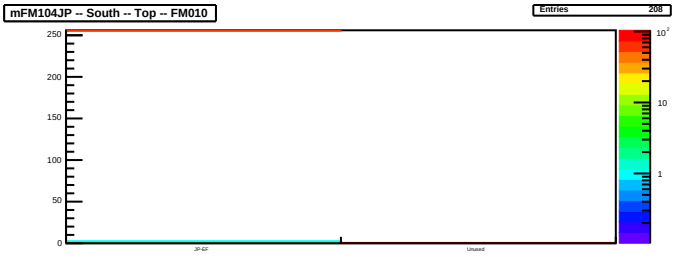

mFM104JPsim -- South -- Top/Side -- FM009
Entries 0
JP-GH
JP-IJ

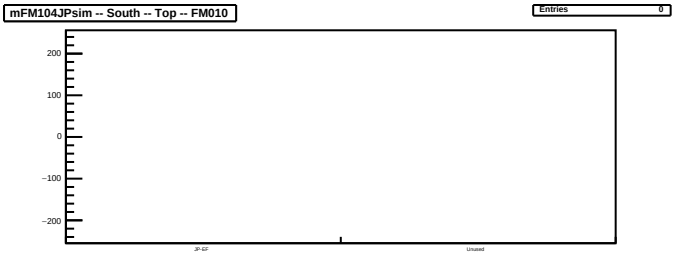

mFM104BS -- North -- Top -- FM010
Entries 416
51
65
65
53
39
39
104
BS3
BS2
BS1-E
BS1-F

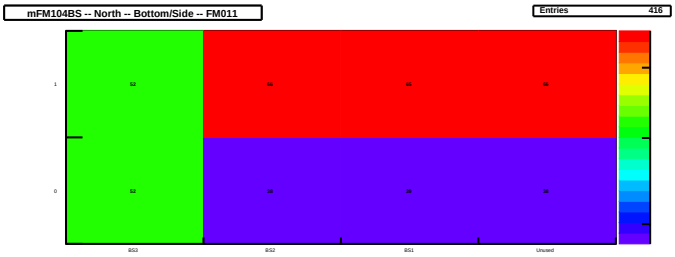

mFM104BSsim -- North -- Top -- FM010
Entries 65
65
BS3
BS2
BS1-E
BS1-F

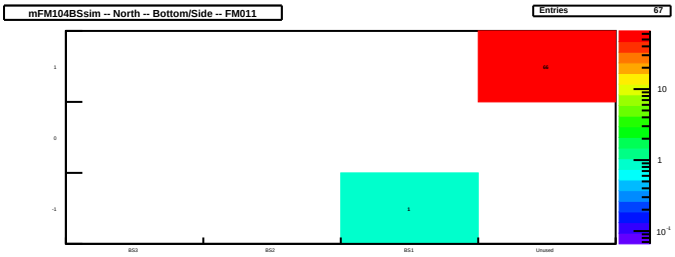

mFM104J -- South -- Top -- FM010
Entries 104
Unused

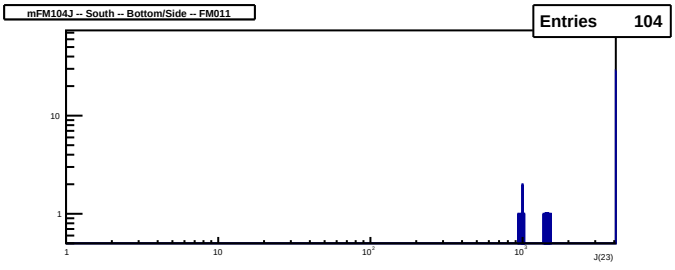

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

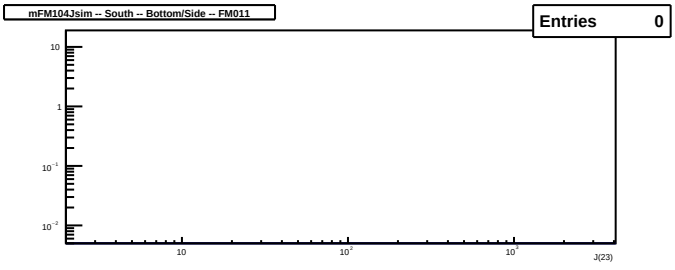

mFM104JP -- South -- Top -- FM010
Entries 208
JP-EF
Unused

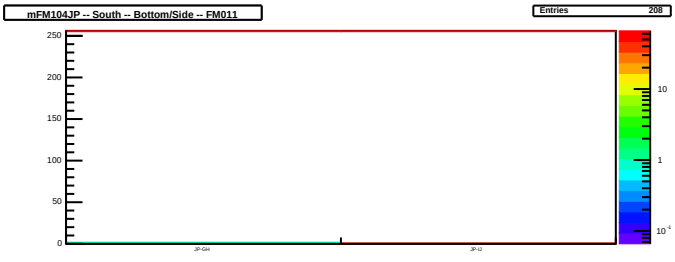

mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

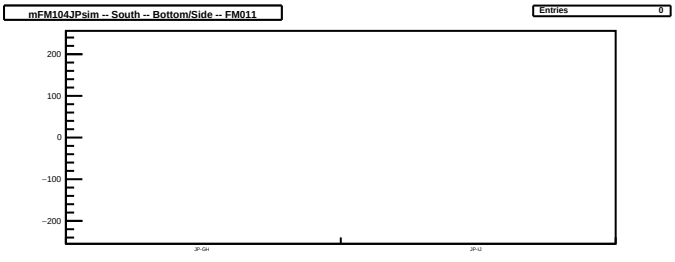

mFM104BS -- North -- Bottom/Side -- FM011
Entries 416
BS3
BS2
BS1
Unused

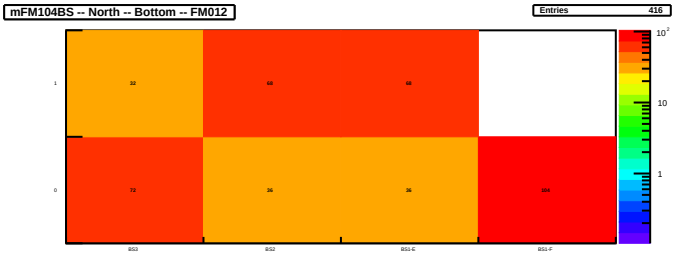

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 67
BS3
BS2
BS1
Unused

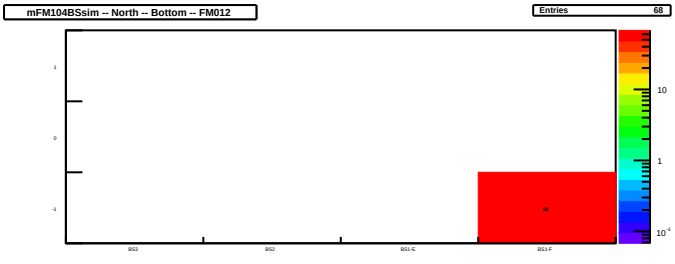

mFM104J -- South -- Bottom/Side -- FM011
Entries 104
J(23)

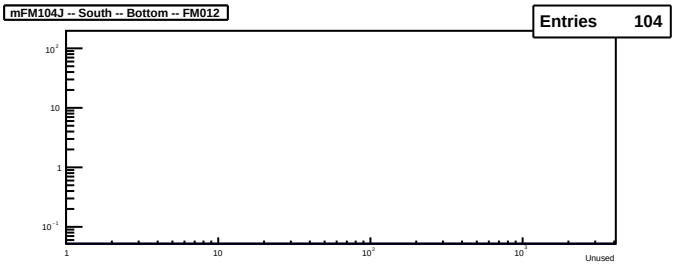

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

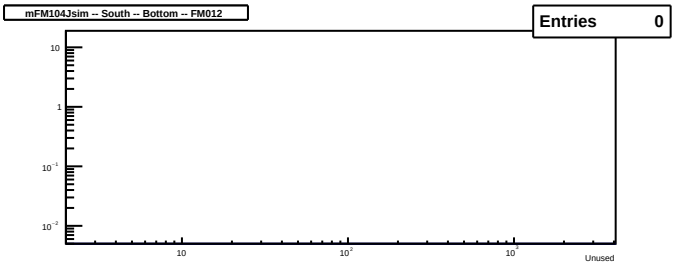

mFM104JP -- South -- Bottom/Side -- FM011
Entries 208
JP-GH
JP-IJ

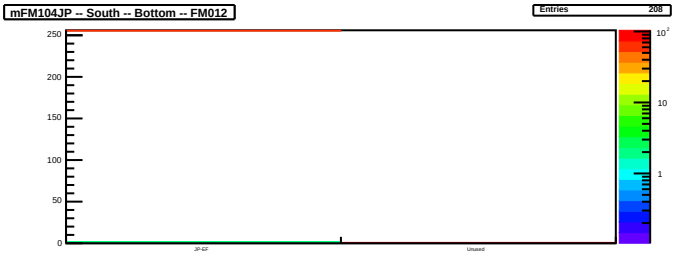

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0
JP-GH
JP-IJ


mFM104BS -- North -- Bottom -- FM012
Entries 416
BS3
BS2
BS1-E
BS1-F

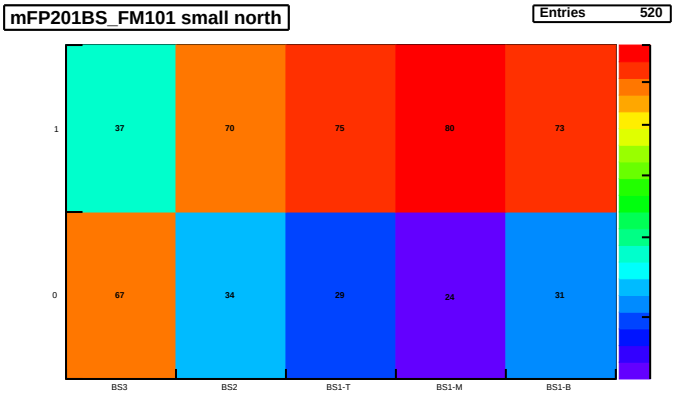

mFM104BSsim -- North -- Bottom -- FM012
Entries 68
BS3
BS2
BS1-E
BS1-F

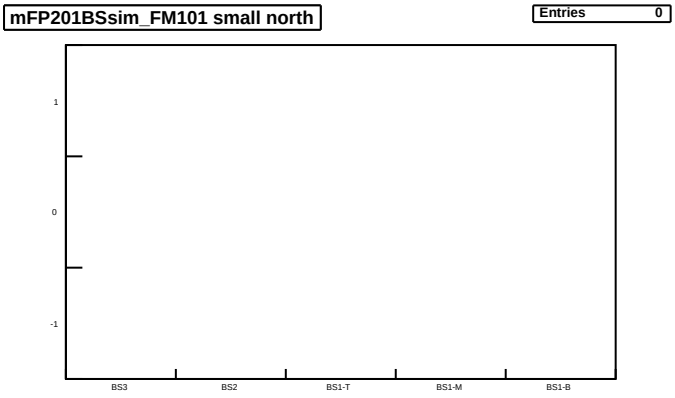

mFM104J -- South -- Bottom -- FM012
Entries 104
Unused

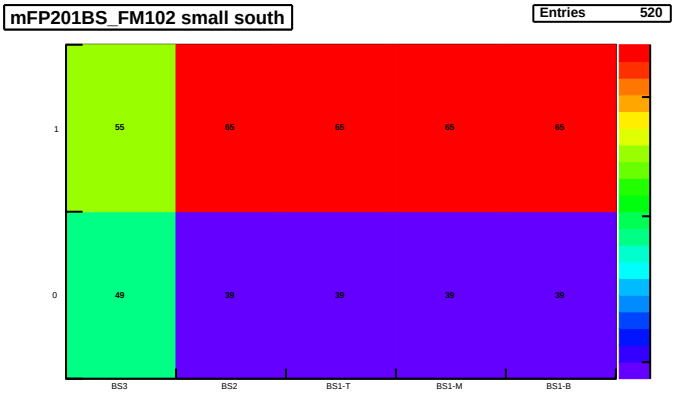

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

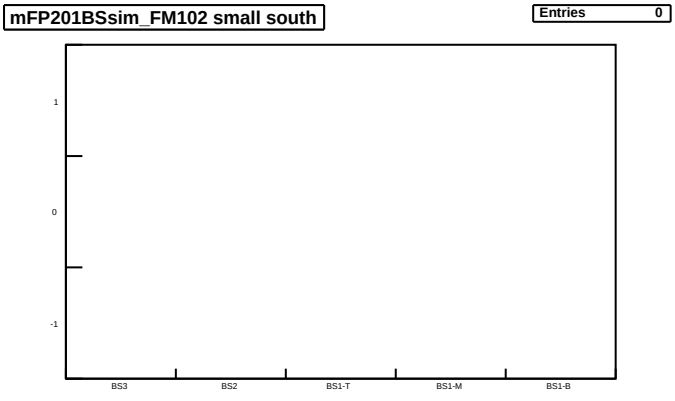

mFM104JP -- South -- Bottom -- FM012
Entries 208
JP-EF
Unused

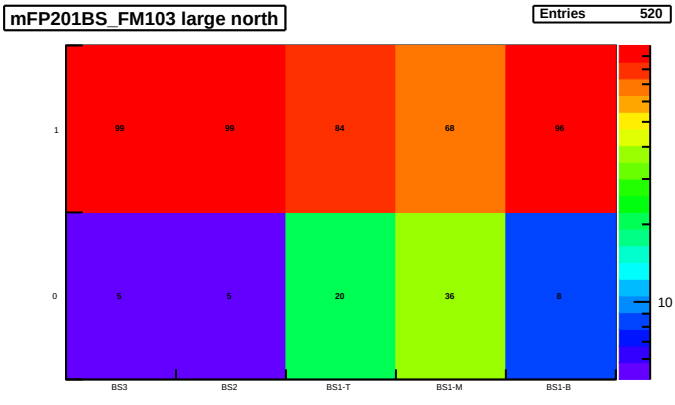
mFM104JPsim -- South -- Bottom -- FM012
Entries 0
JP-EF
Unused

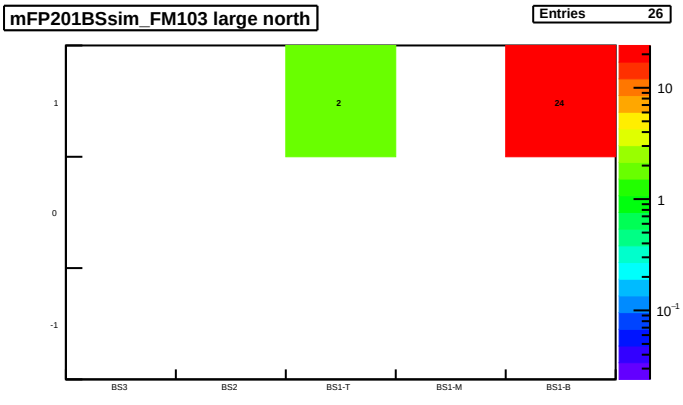

mFP201BS_FM101 small north
Entries 520
37 70 75 80 73
67 34 29 24 31
1
0
BS3 BS2 BS1-T BS1-M BS1-B

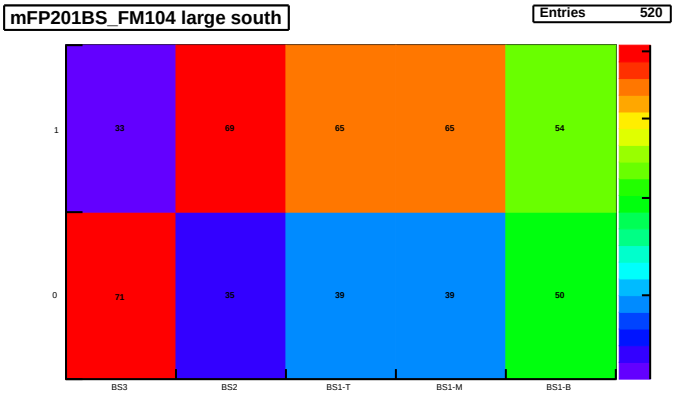

mFP201BSsim_FM101 small north
Entries 0
1
0
-1
BS3 BS2 BS1-T BS1-M BS1-B

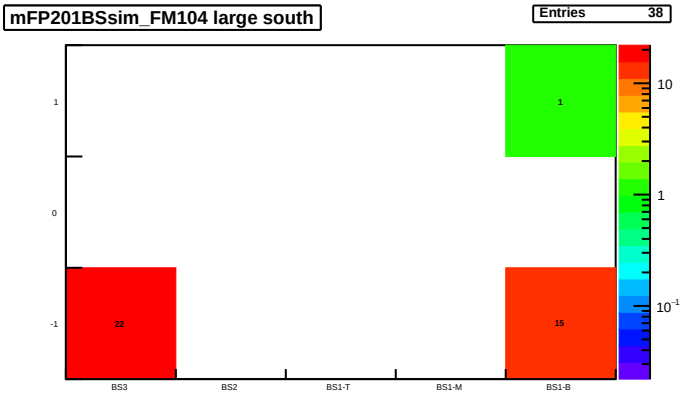

mFP201BS_FM102 small south
Entries 520
55 65 65 65 65
49 39 39 39 39
1
0
BS3 BS2 BS1-T BS1-M BS1-B

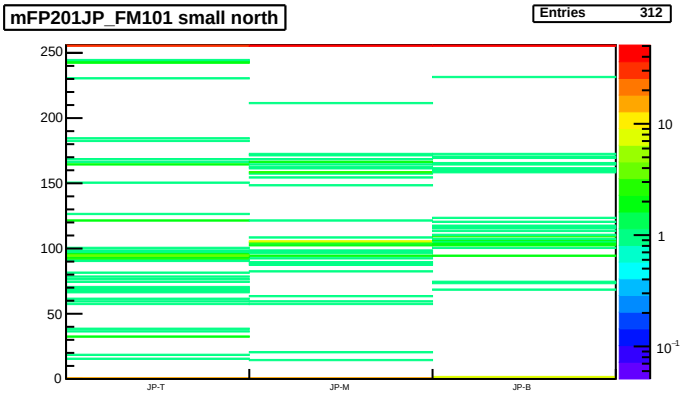

mFP201BSsim_FM102 small south
Entries 0
1
0
-1
BS3 BS2 BS1-T BS1-M BS1-B

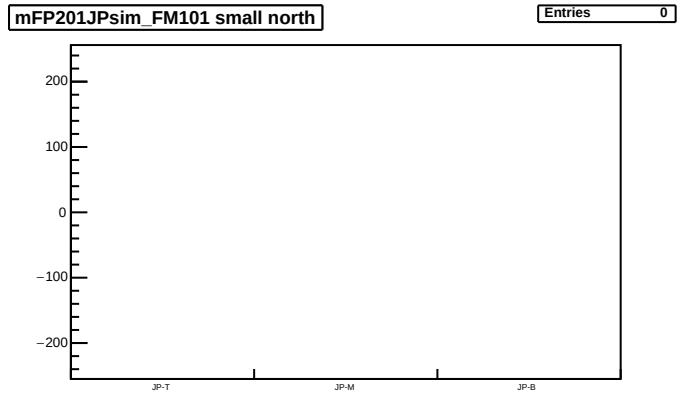

mFP201BS_FM103 large north
Entries 520
99 99 84 68 96
5 5 20 36 8
1
0
10
BS3 BS2 BS1-T BS1-M BS1-B

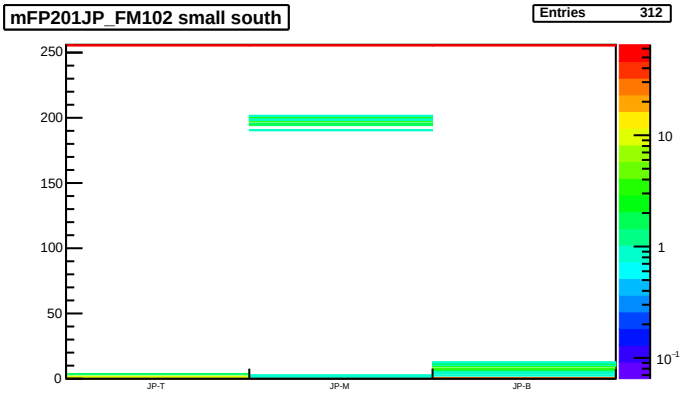

mFP201BSsim_FM103 large north
Entries 26
2 24
1
0
-1
10
1
10^-1
BS3 BS2 BS1-T BS1-M BS1-B

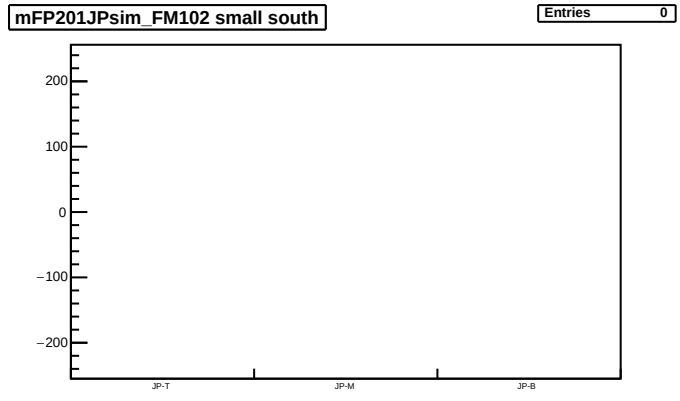

mFP201BS_FM104 large south
Entries 520
33 69 65 65 54
71 35 39 39 50
1
0
BS3 BS2 BS1-T BS1-M BS1-B

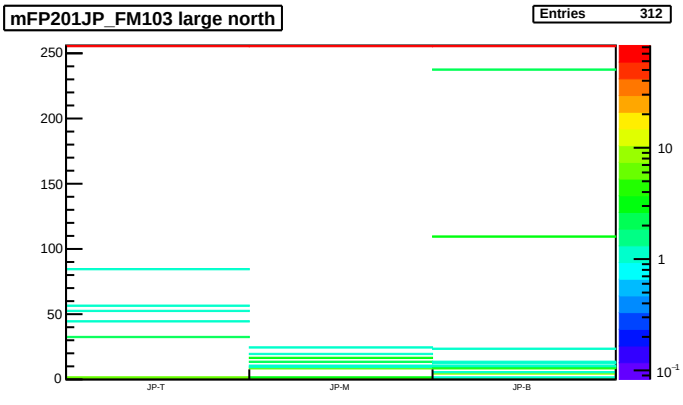

mFP201BSsim_FM104 large south
Entries 38
1
22 15
1
0
-1
10
1
10^-1
BS3 BS2 BS1-T BS1-M BS1-B

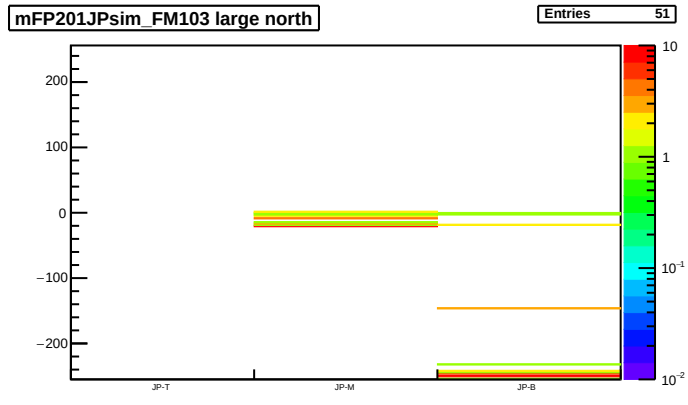

mFP201JP_FM101 small north
Entries 312
JP-T
JP-M
JP-B

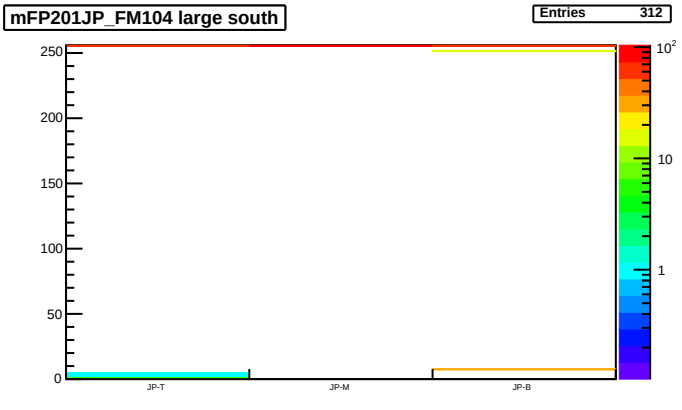

mFP201JPsim_FM101 small north
Entries 0
JP-T
JP-M
JP-B

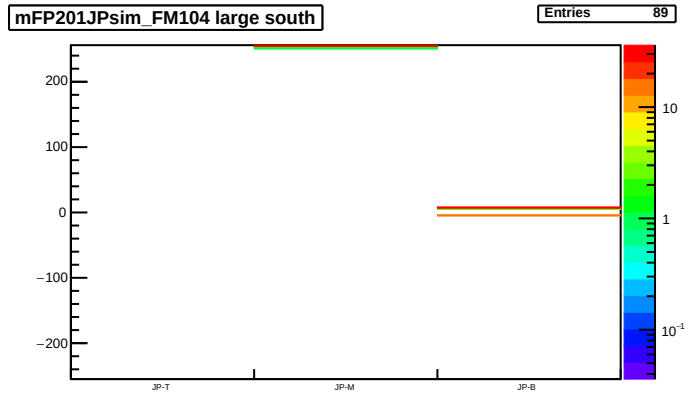

mFP201JP_FM102 small south
Entries 312
JP-T
JP-M
JP-B

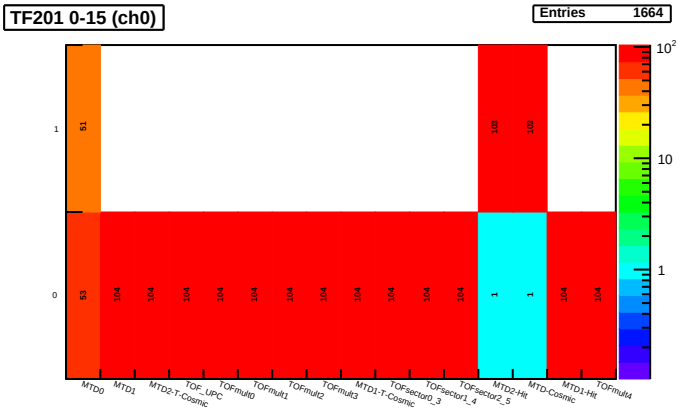

mFP201JPsim_FM102 small south
Entries 0
JP-T
JP-M
JP-B

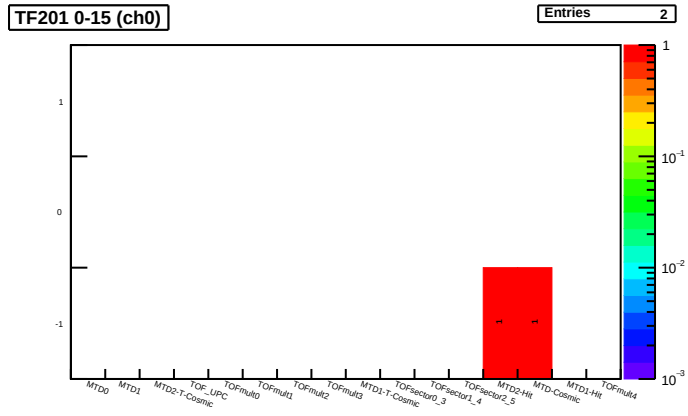

mFP201JP_FM103 large north
Entries 312
JP-T
JP-M
JP-B

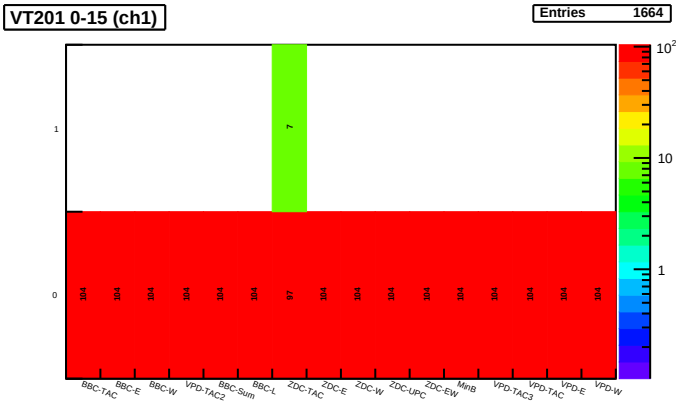

mFP201JPsim_FM103 large north
Entries 51
JP-T
JP-M
JP-B

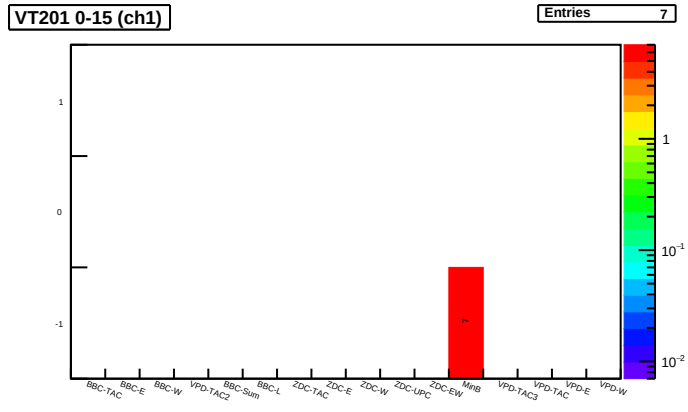

mFP201JP_FM104 large south
Entries 312
JP-T
JP-M
JP-B

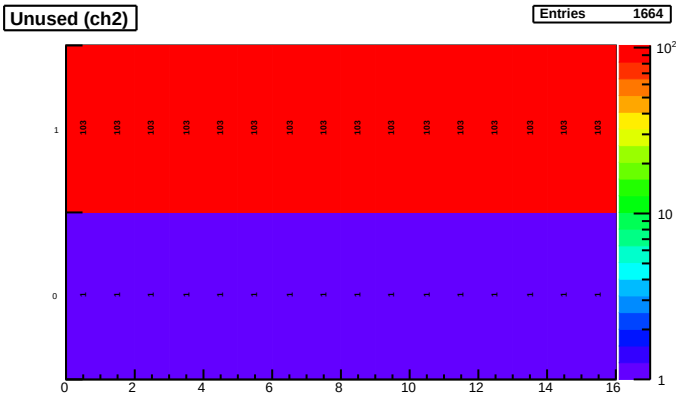

mFP201JPsim_FM104 large south
Entries 89
JP-T
JP-M
JP-B

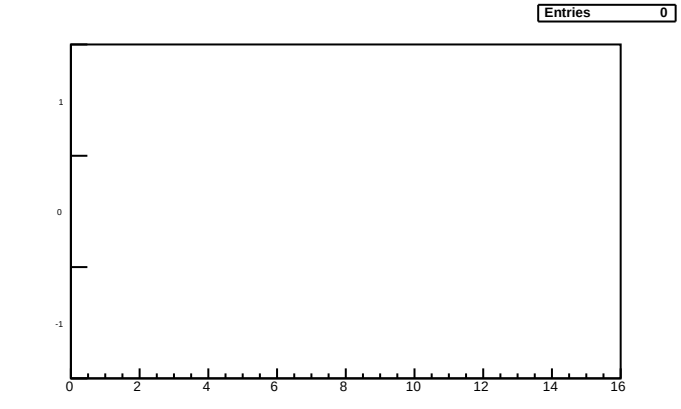

TF201 0-15 (ch0)
Entries 1664
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

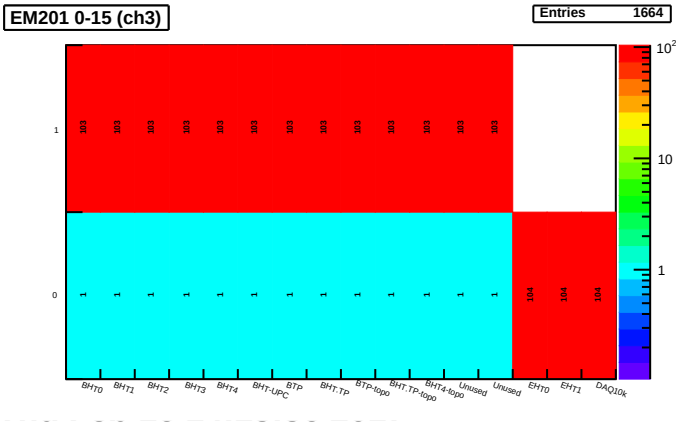

TF201 0-15 (ch0)
Entries 2
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

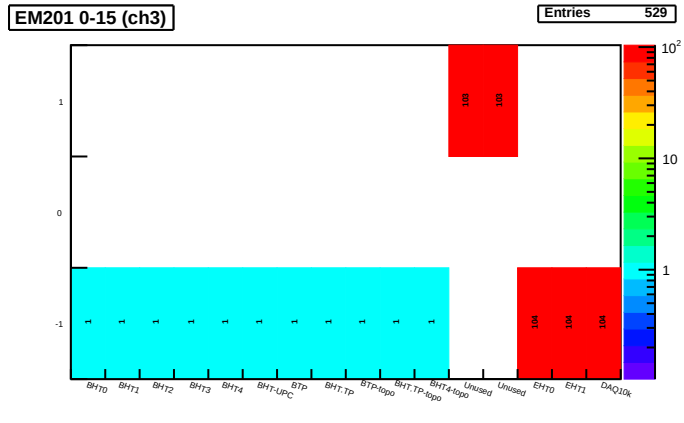

VT201 0-15 (ch1)
Entries 1664
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W

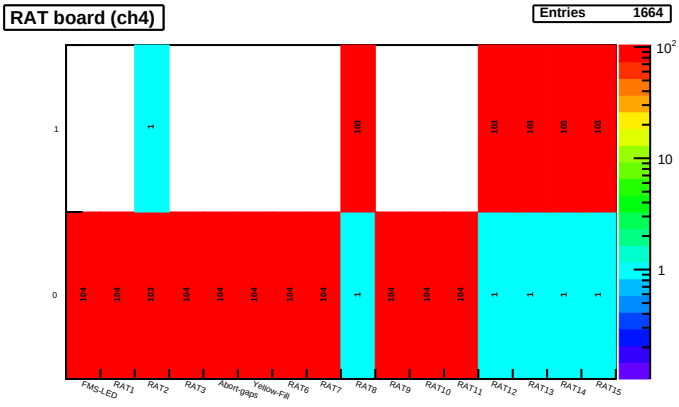

VT201 0-15 (ch1)
Entries 7
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W

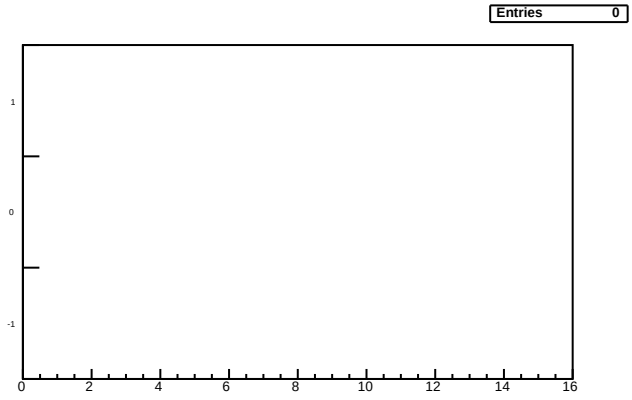

Unused (ch2)
Entries 1664

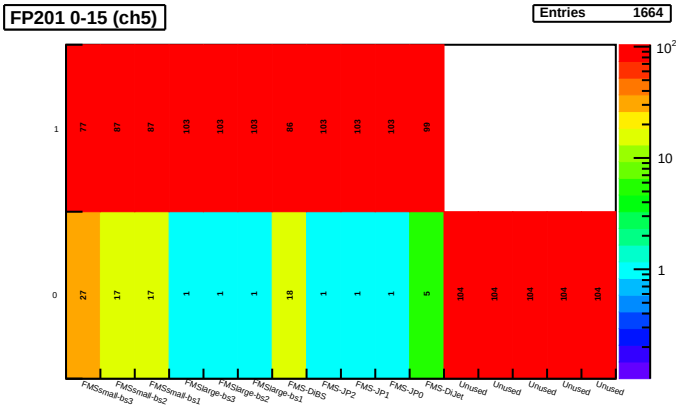

Entries 0

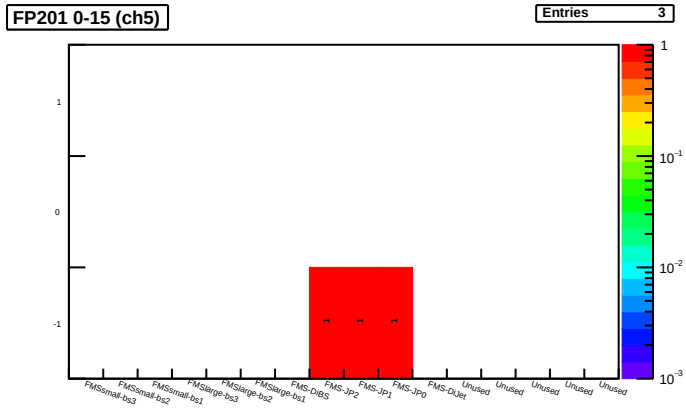

EM201 0-15 (ch3)
Entries 1664
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT:TP
BTP-topo
BHT:TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

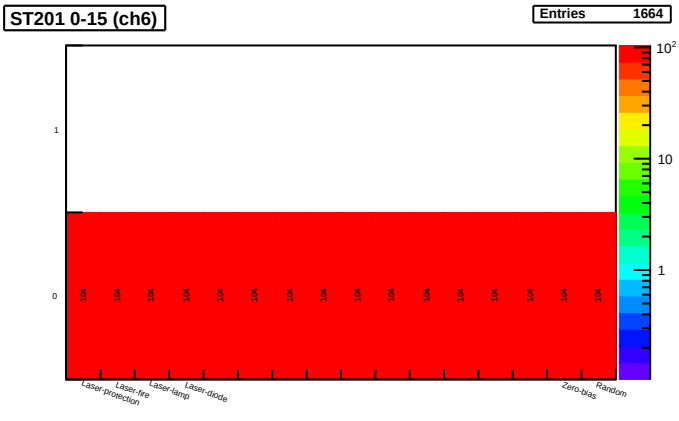

EM201 0-15 (ch3)
Entries 529
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT:TP
BTP-topo
BHT:TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

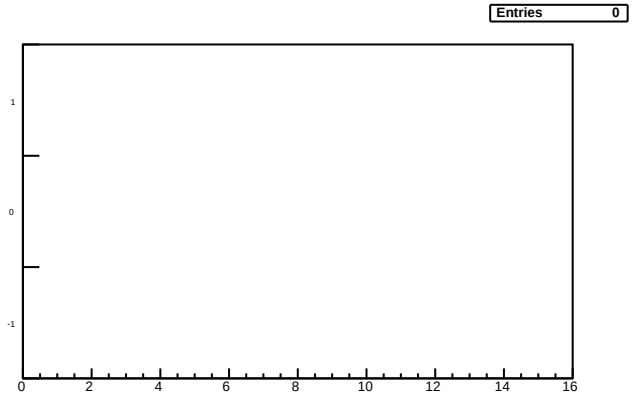

RAT board (ch4)
Entries 1664
FMS-LED
RAT1
RAT2
RAT3
Abort-gaps
Yellow-Fill
RAT6
RAT7
RAT8
RAT9
RAT10
RAT11
RAT12
RAT13
RAT14
RAT15

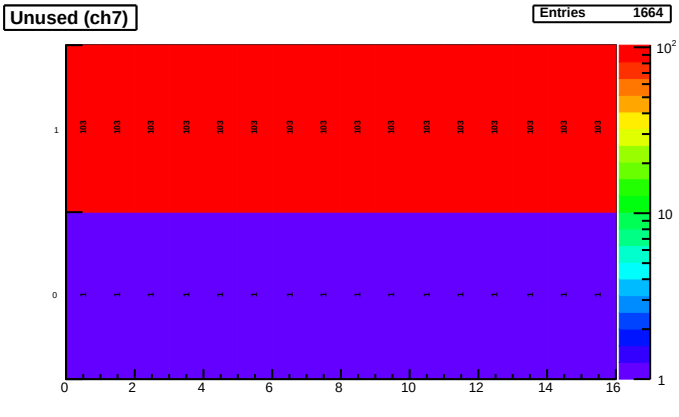

Entries 0

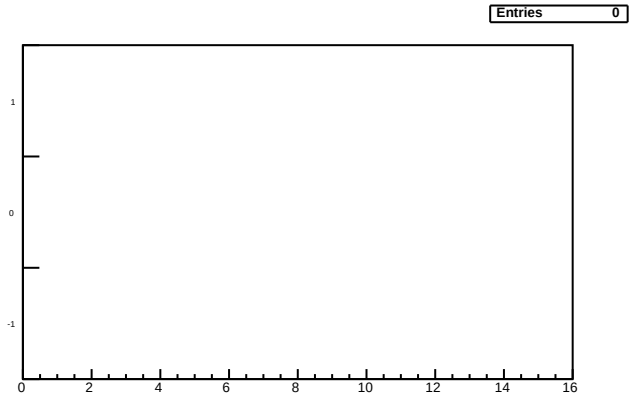

FP201 0-15 (ch5)
Entries 1664
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused


FP201 0-15 (ch5)
Entries 3
FMSsmall-bs3
FMSsmall-bs2
FMSsmall-bs1
FMSlarge-bs3
FMSlarge-bs2
FMSlarge-bs1
FMS-DiBS
FMS-JP2
FMS-JP1
FMS-JP0
FMS-Dijet
Unused


ST201 0-15 (ch6)
Entries 1664
Laser-protection
Laser-fire
Laser-lamp
Laser-diode
Zero-bias
Random


Entries 0


Unused (ch7)
Entries 1664


Entries 0