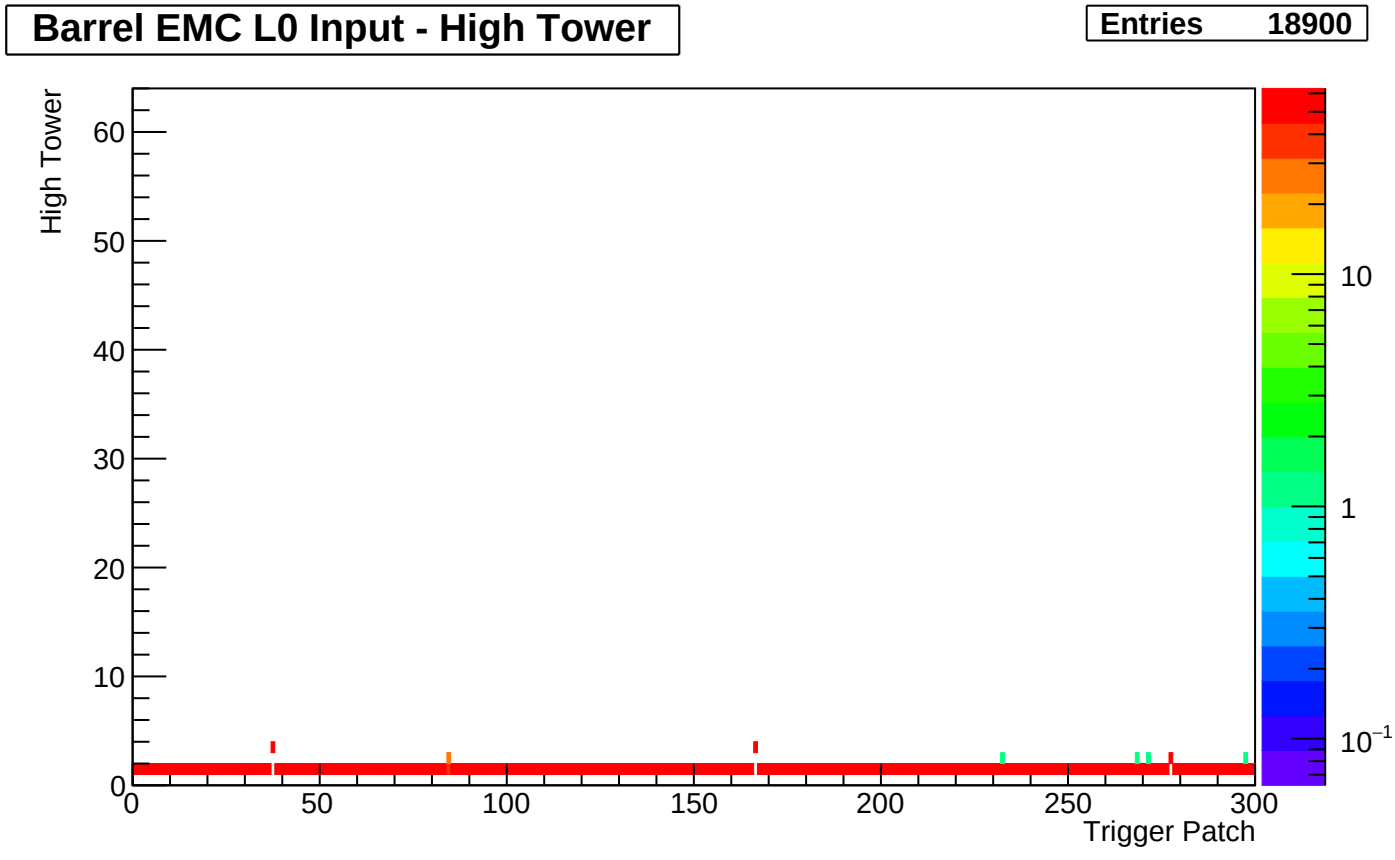
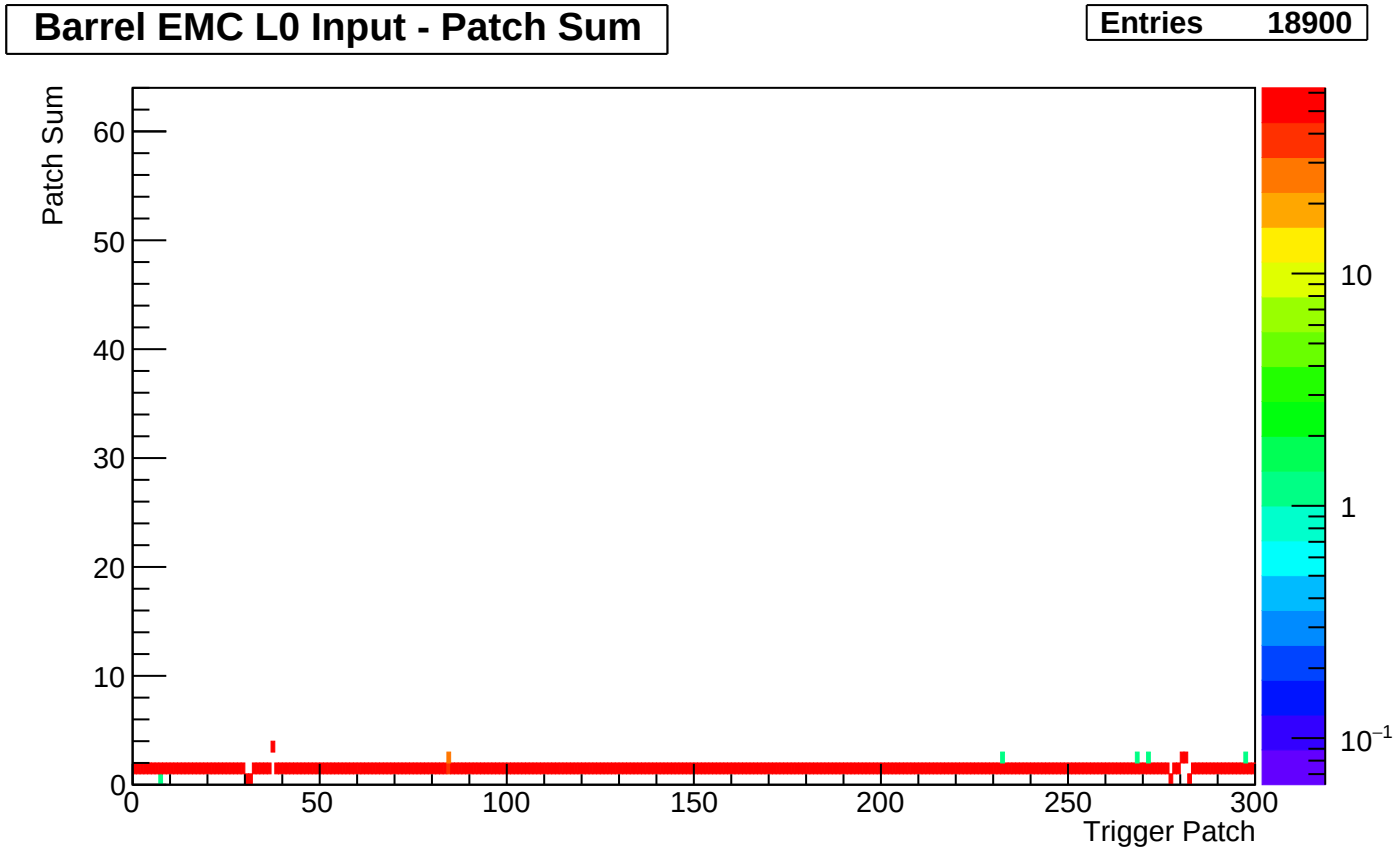
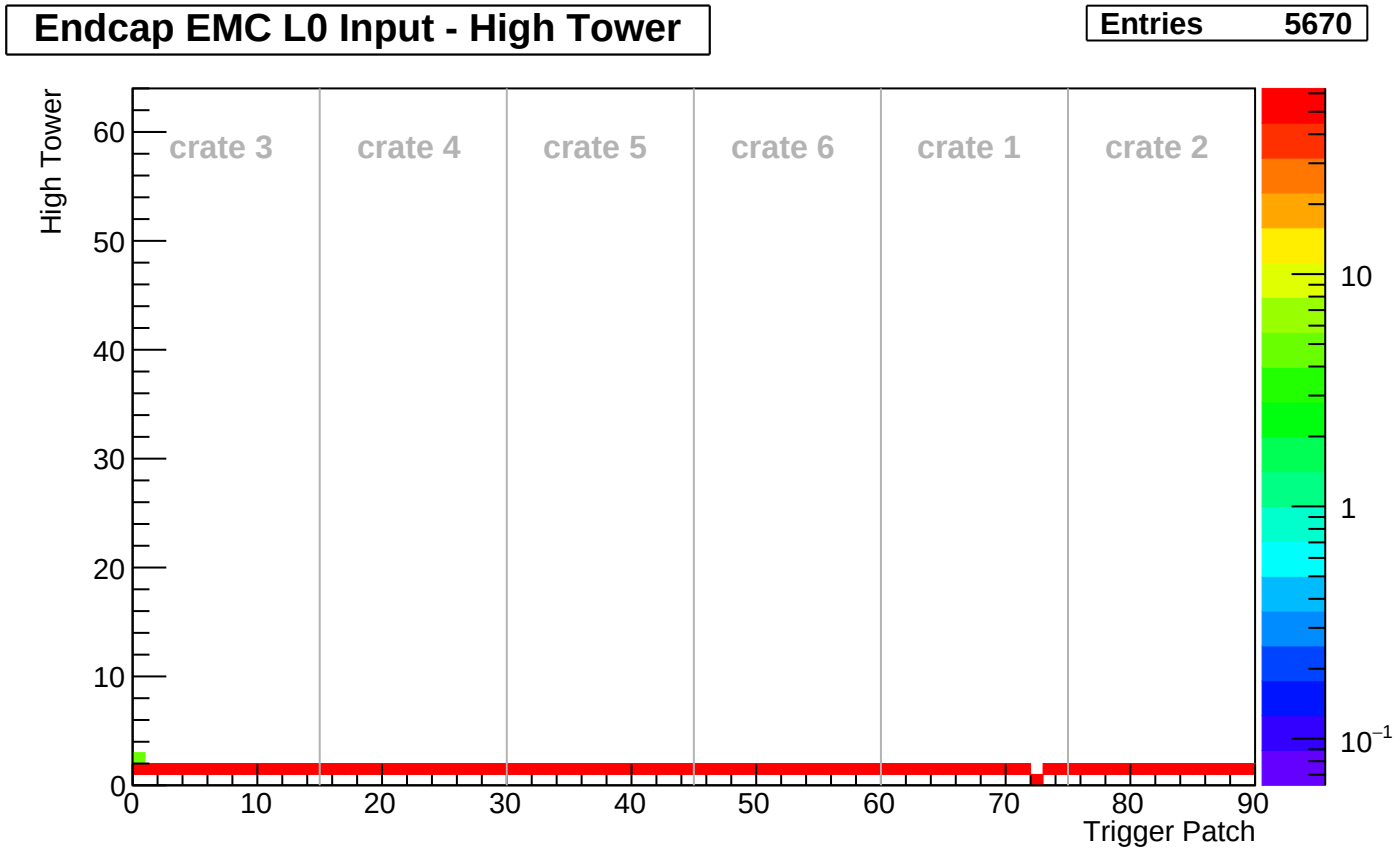
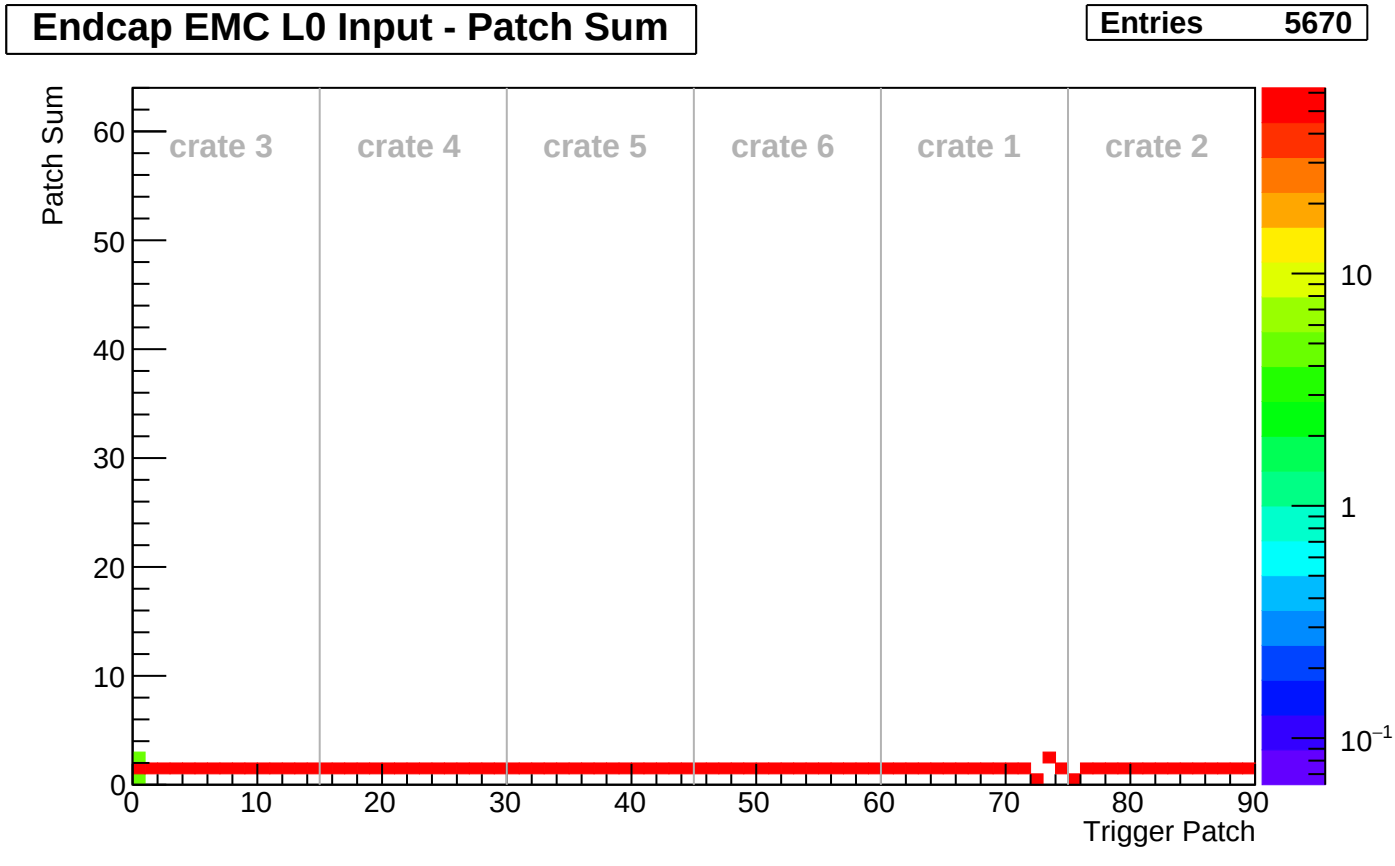
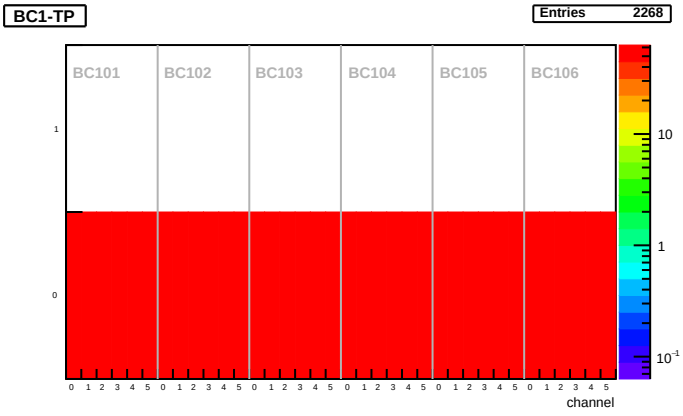
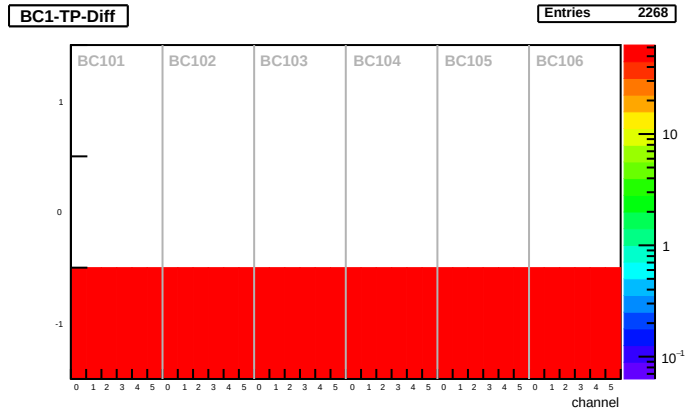

Barrel EMC L0 Input - High Tower
Entries 18900
High Tower
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^{-1}

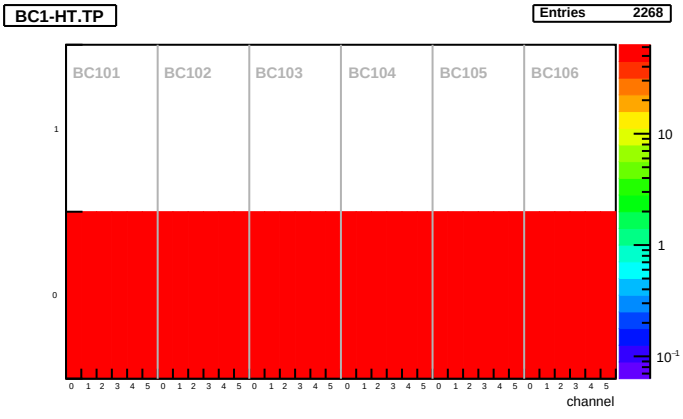

Barrel EMC L0 Input - Patch Sum
Entries 18900
Patch Sum
Trigger Patch
0
10
20
30
40
50
60
0
50
100
150
200
250
300
1
10
10^{-1}

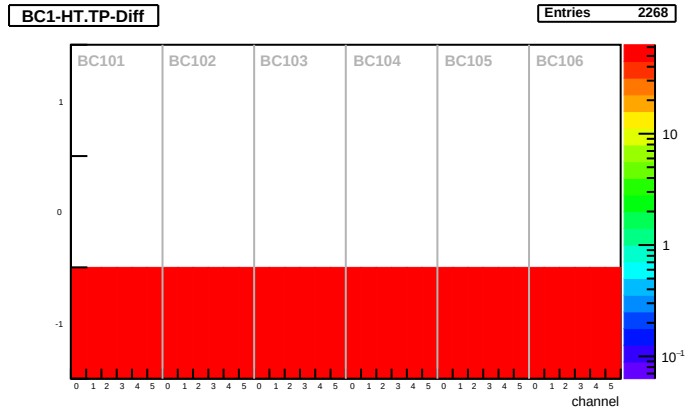

Endcap EMC L0 Input - High Tower
Entries 5670
High Tower
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^{-1}

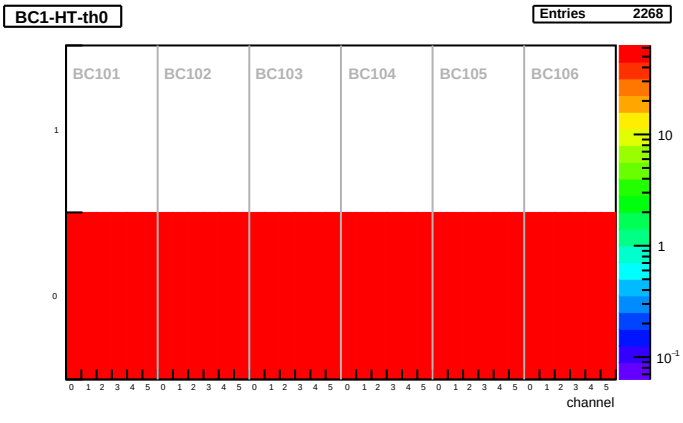

Endcap EMC L0 Input - Patch Sum
Entries 5670
Patch Sum
crate 3
crate 4
crate 5
crate 6
crate 1
crate 2
Trigger Patch
0
10
20
30
40
50
60
70
80
90
1
10
10^{-1}

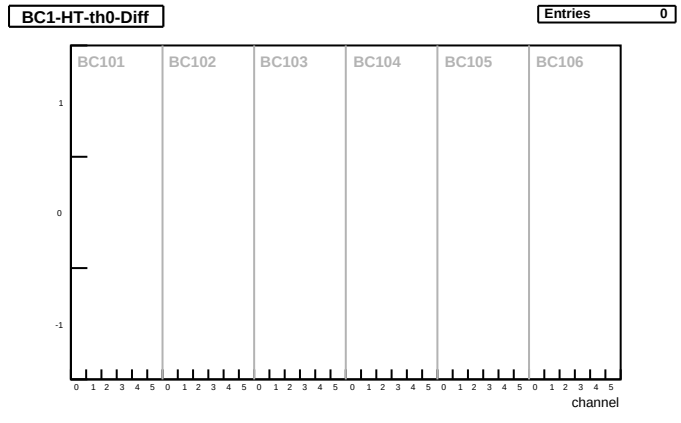

BC1-TP
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

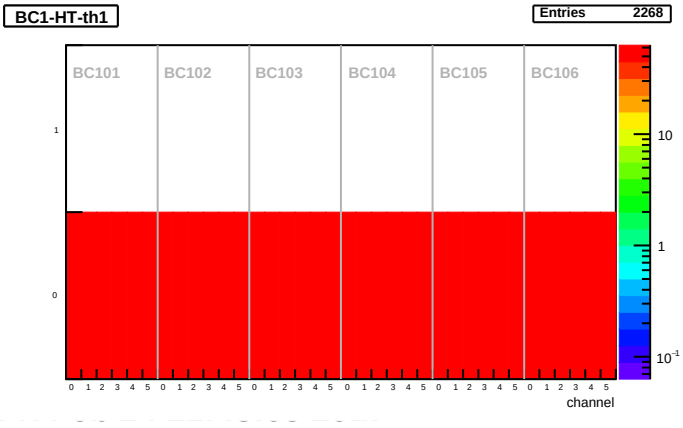

BC1-TP-Diff
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

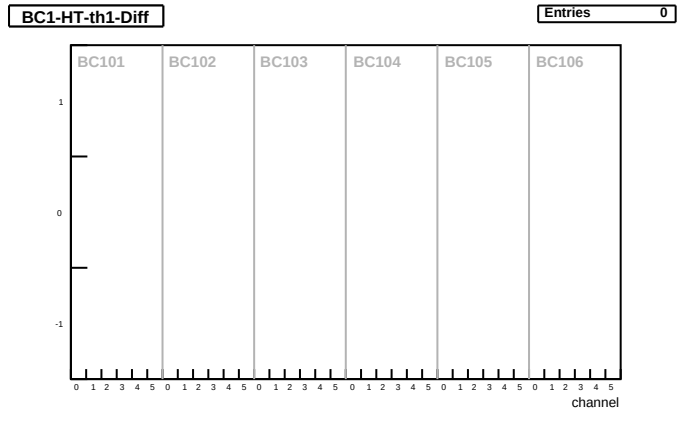

BC1-HT.TP
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

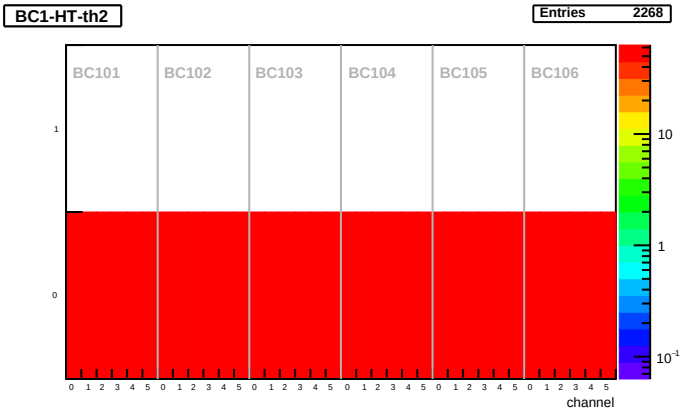

BC1-HT.TP-Diff
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

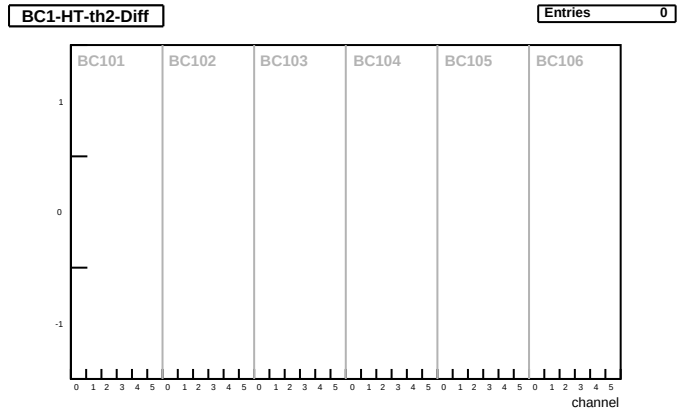

BC1-HT-th0
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

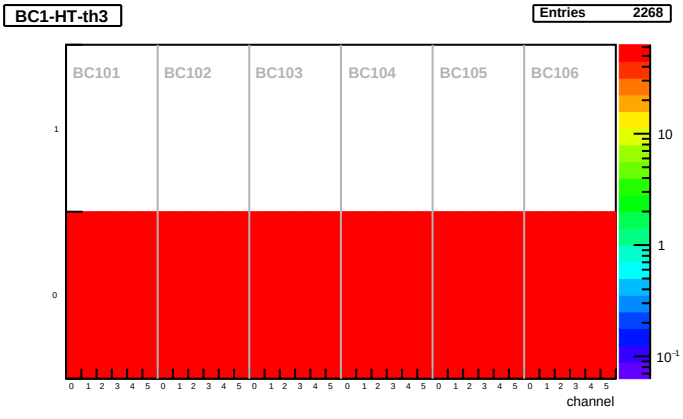

BC1-HT-th0-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

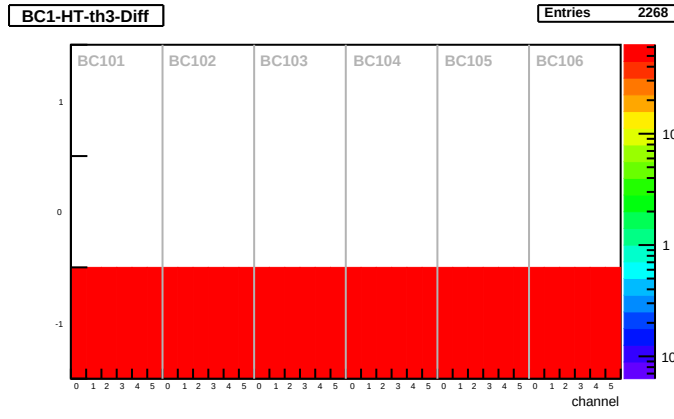

BC1-HT-th1
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

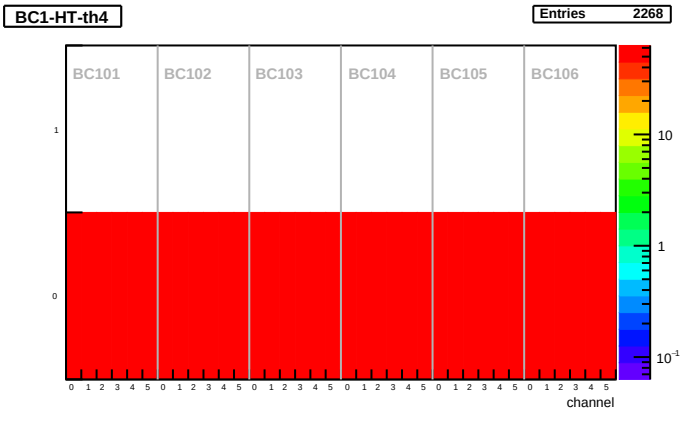

BC1-HT-th1-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

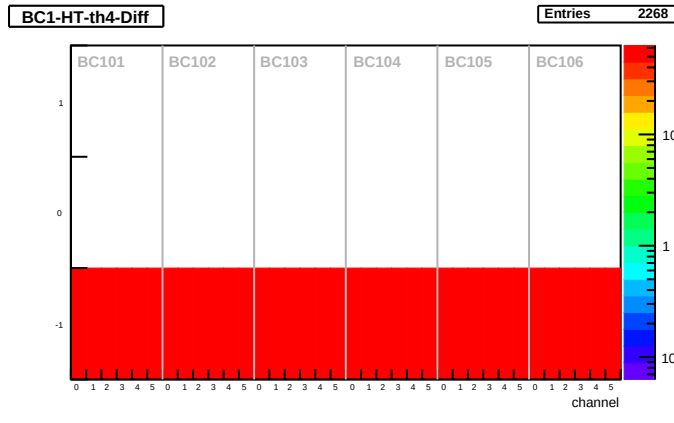

BC1-HT-th2
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

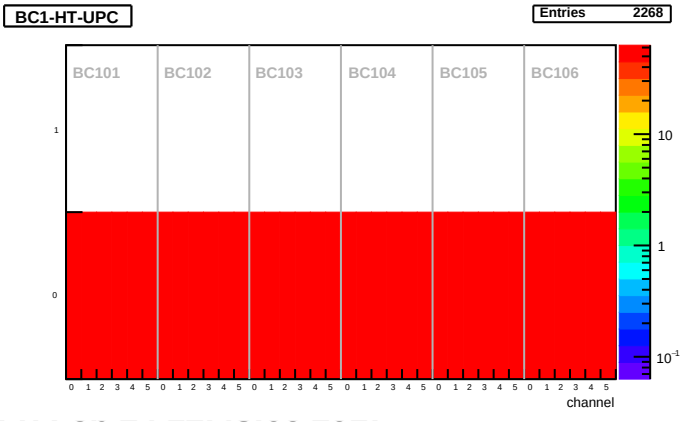

BC1-HT-th2-Diff
Entries 0
BC101
BC102
BC103
BC104
BC105
BC106
channel

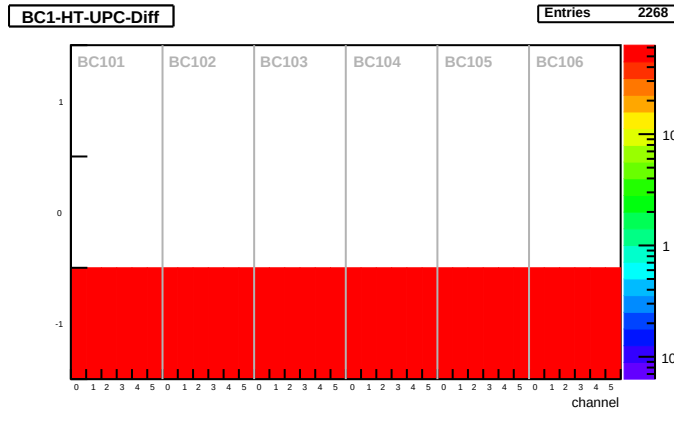

BC1-HT-th3
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

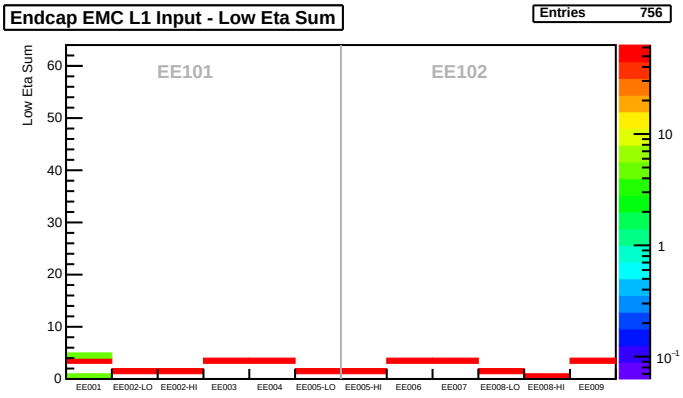

BC1-HT-th3-Diff
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

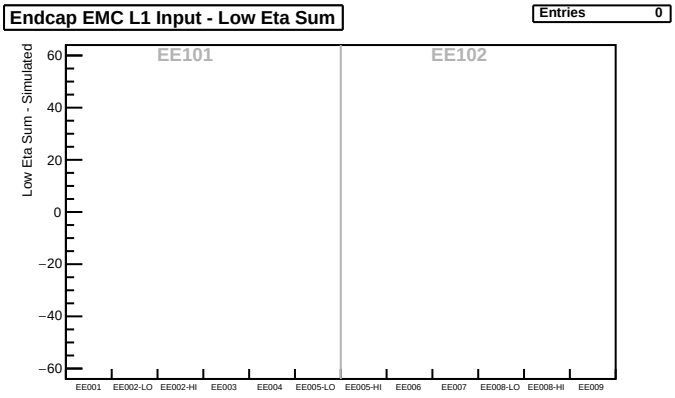

BC1-HT-th4
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

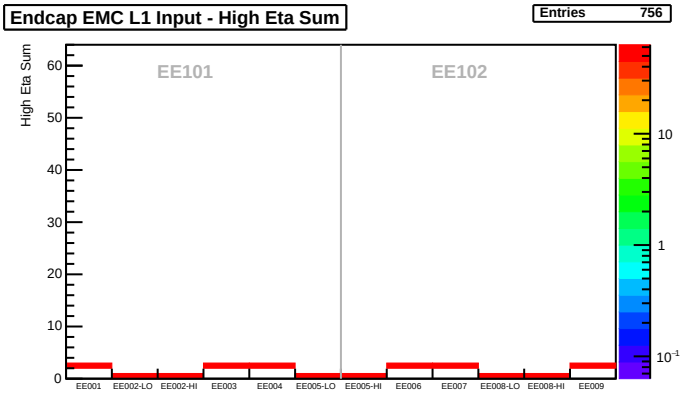

BC1-HT-th4-Diff
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

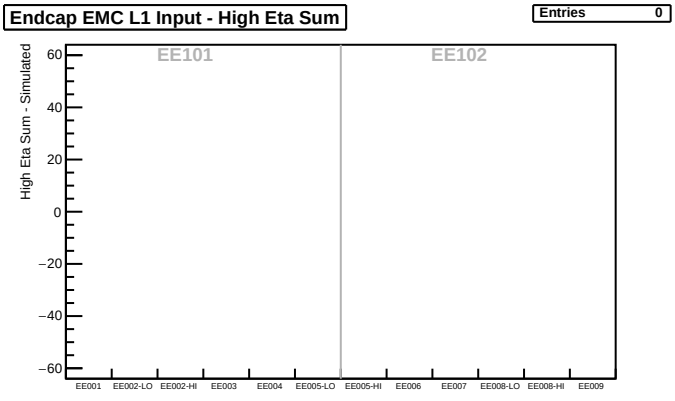

BC1-HT-UPC
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

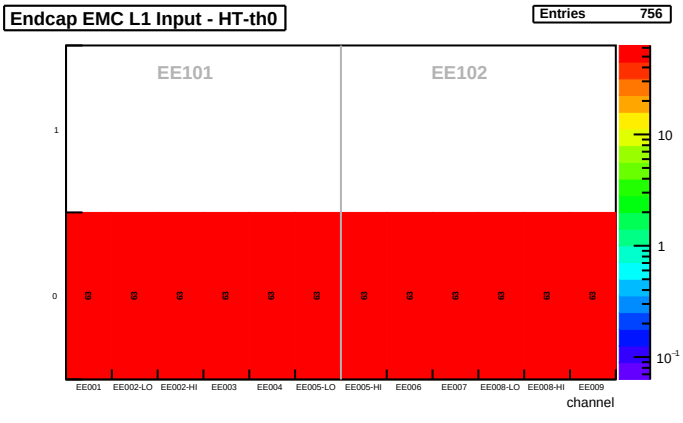

BC1-HT-UPC-Diff
Entries 2268
BC101
BC102
BC103
BC104
BC105
BC106
channel

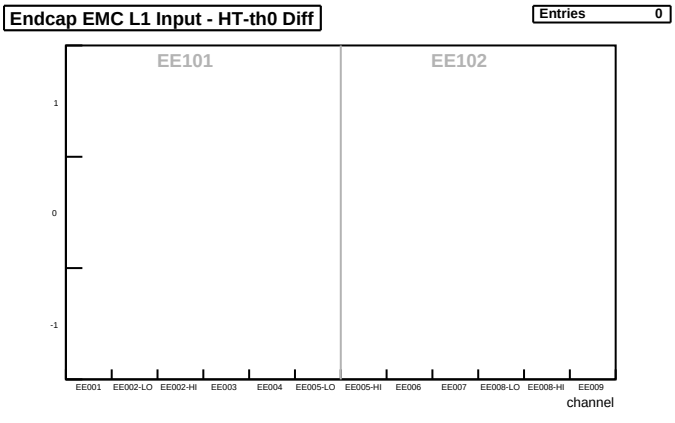

Endcap EMC L1 Input - Low Eta Sum
Entries 756
Low Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

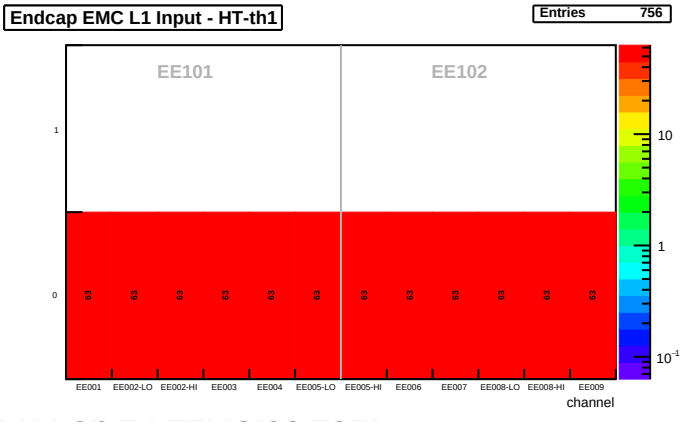

Endcap EMC L1 Input - Low Eta Sum
Entries 0
Low Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

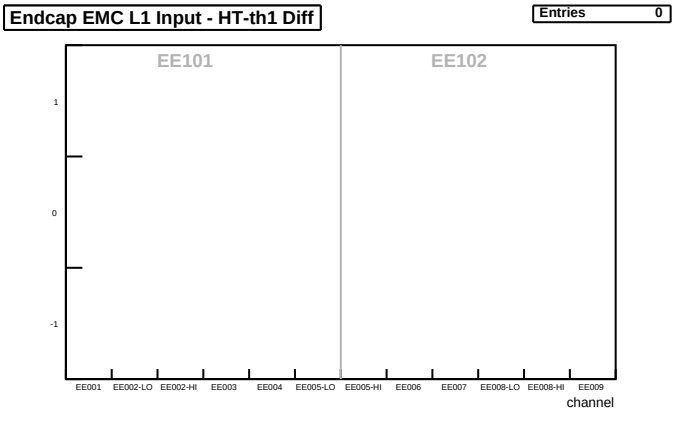

Endcap EMC L1 Input - High Eta Sum
Entries 756
High Eta Sum
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

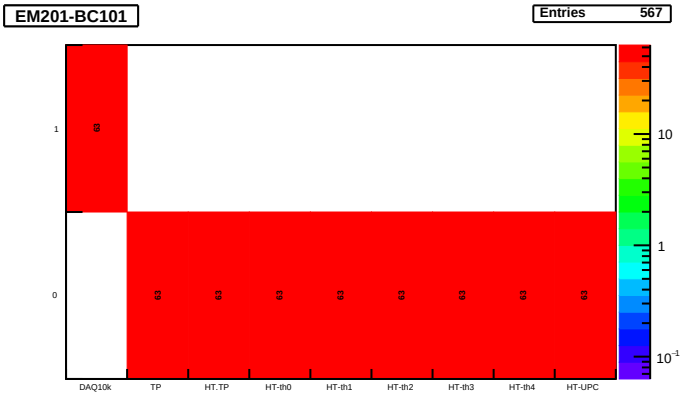

Endcap EMC L1 Input - High Eta Sum
Entries 0
High Eta Sum - Simulated
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009

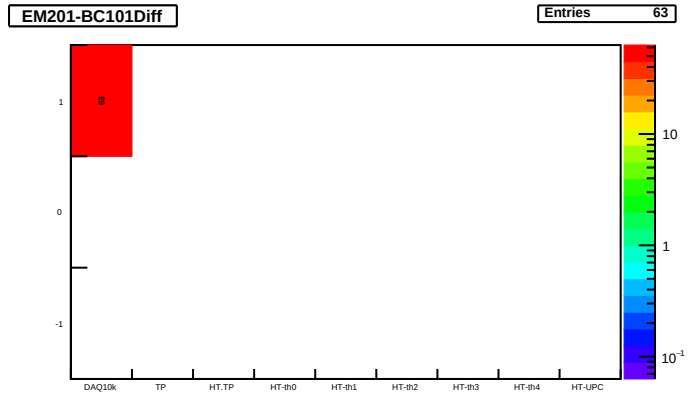

Endcap EMC L1 Input - HT-th0
Entries 756
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

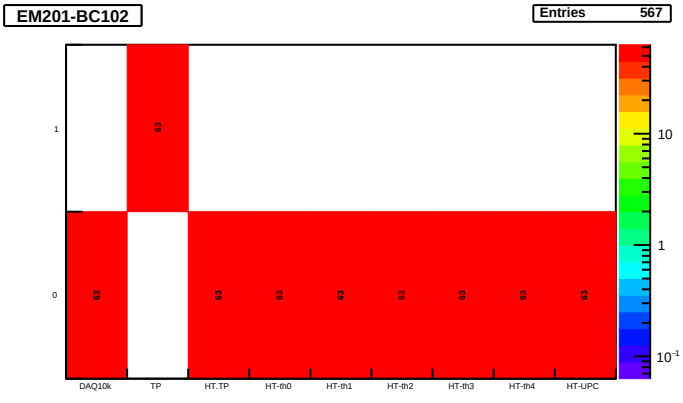

Endcap EMC L1 Input - HT-th0 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

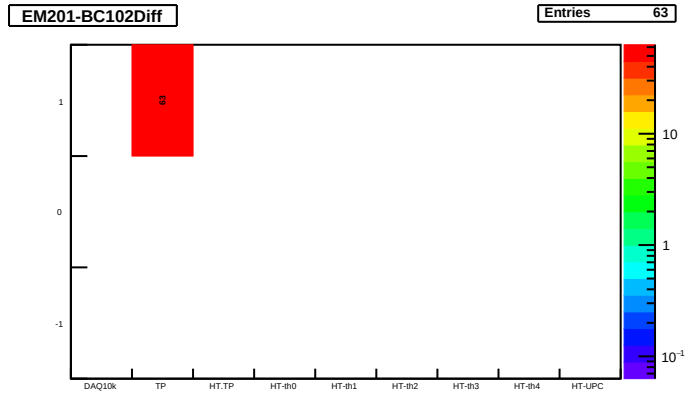

Endcap EMC L1 Input - HT-th1
Entries 756
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

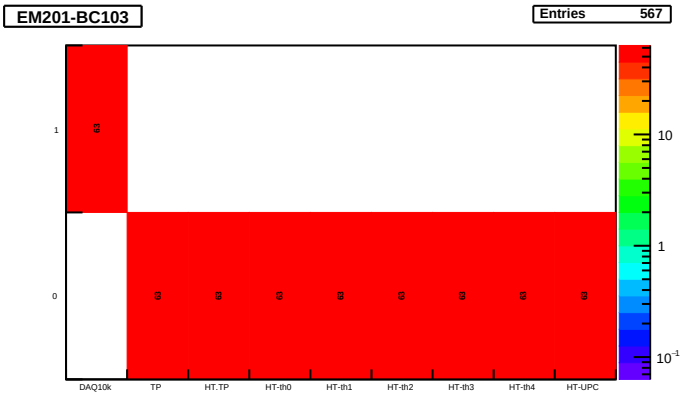

Endcap EMC L1 Input - HT-th1 Diff
Entries 0
EE101
EE102
EE001 EE002-LO EE002-HI EE003 EE004 EE005-LO EE005-HI EE006 EE007 EE008-LO EE008-HI EE009
channel

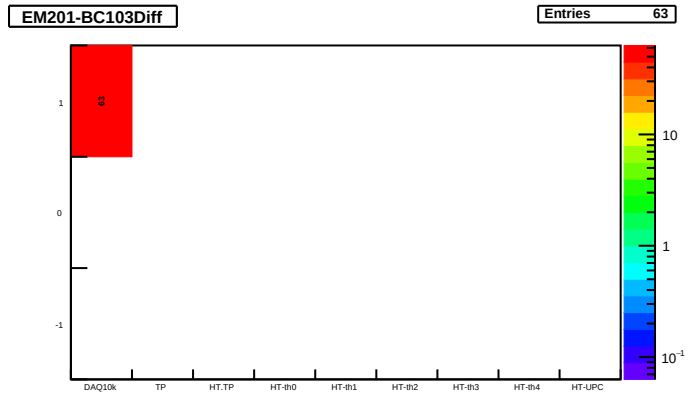

EM201-BC101
Entries 567
1
0
63
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}

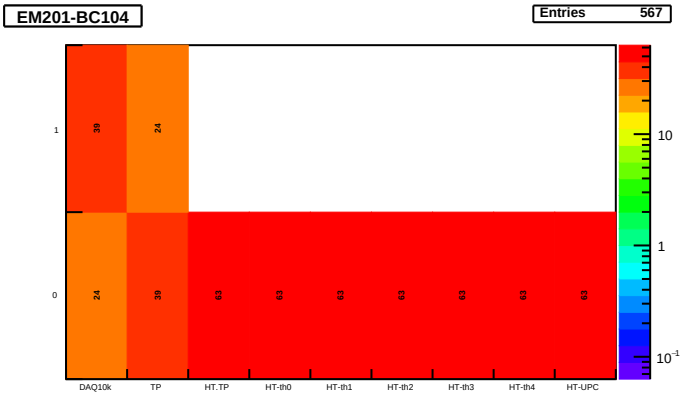

EM201-BC101Diff
Entries 63
1
0
-1
63
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}

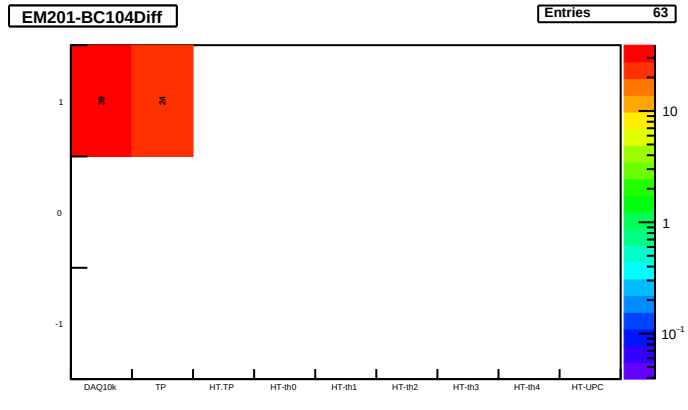

EM201-BC102
Entries 567
1
0
63
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}


EM201-BC102Diff
Entries 63
1
0
-1
63
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}

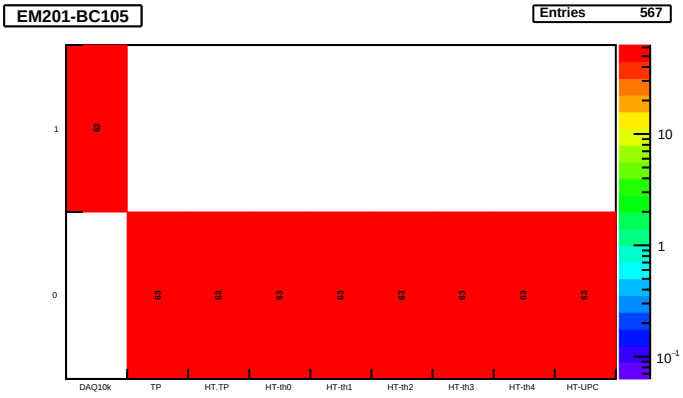

EM201-BC103
Entries 567
1
0
63
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}


EM201-BC103Diff
Entries 63
1
0
-1
63
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}

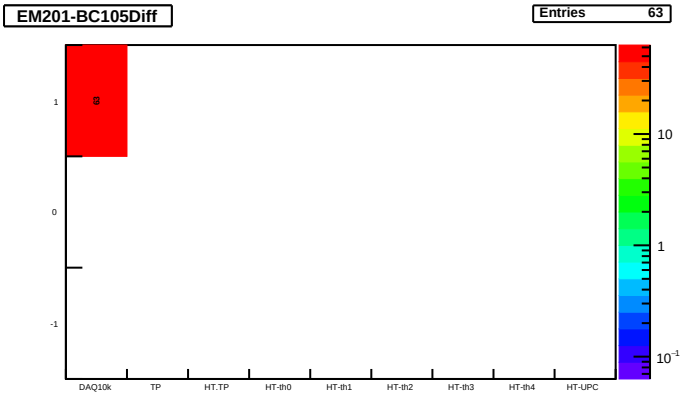

EM201-BC104
Entries 567
1
0
39
24
24
39
63
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}


EM201-BC104Diff
Entries 63
1
0
-1
39
24
DAQ10k
TP
HT.TP
HT-th0
HT-th1
HT-th2
HT-th3
HT-th4
HT-UPC
10
1
10^{-1}

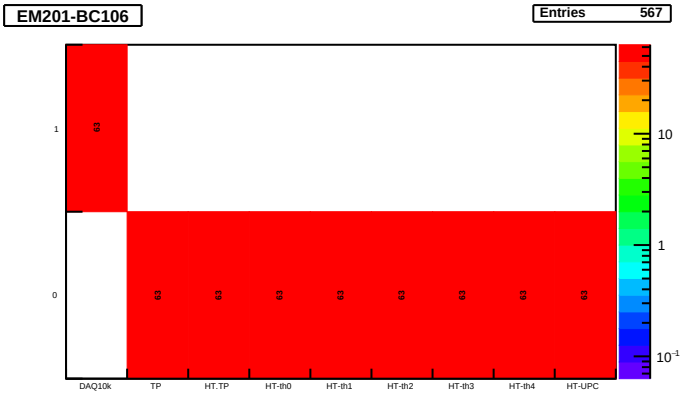
EM201-BC105



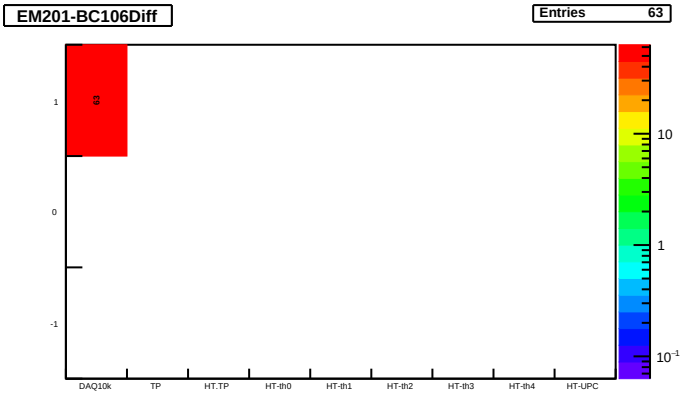
EM201-BC105Diff



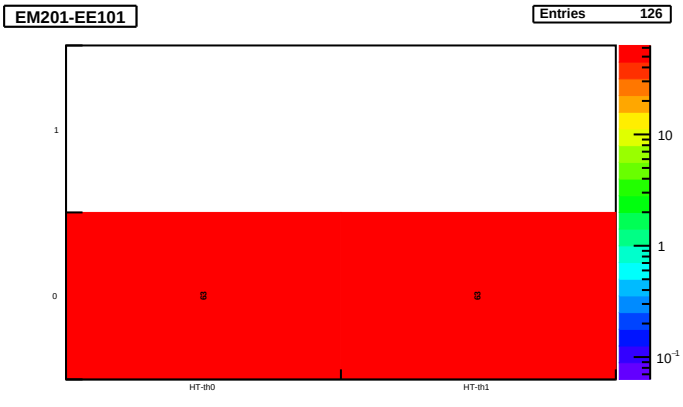
EM201-BC106



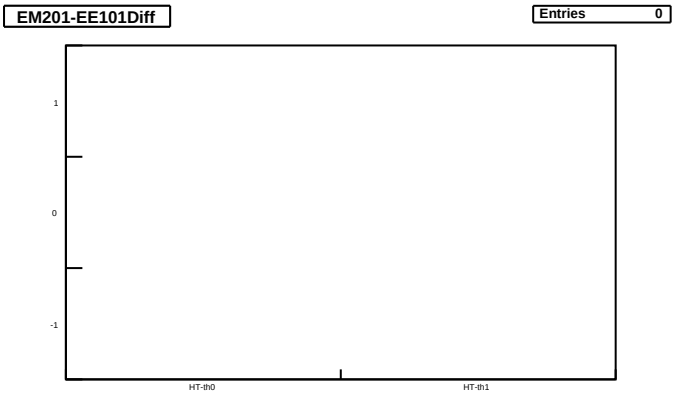
EM201-BC106Diff



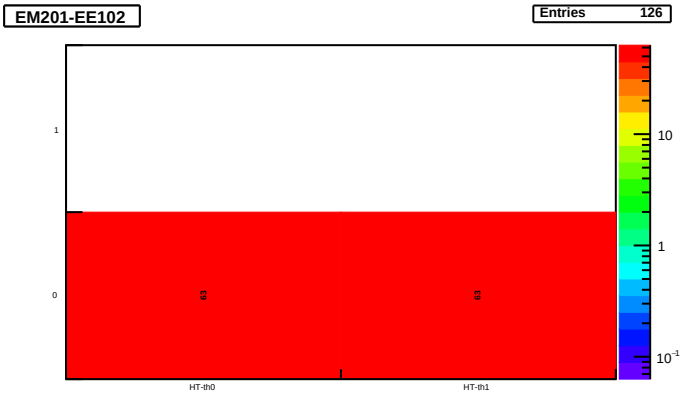
EM201-EE101



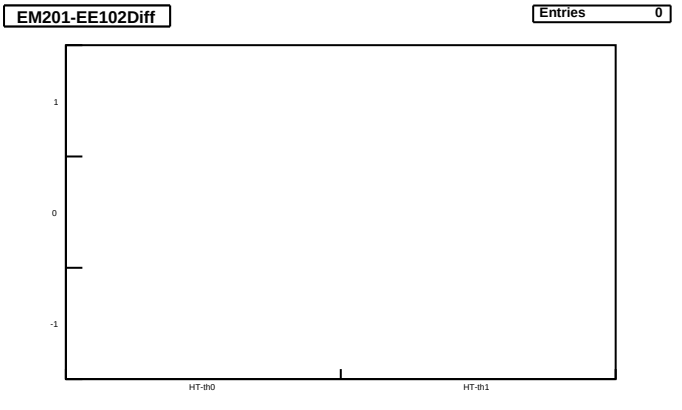
EM201-EE101Diff

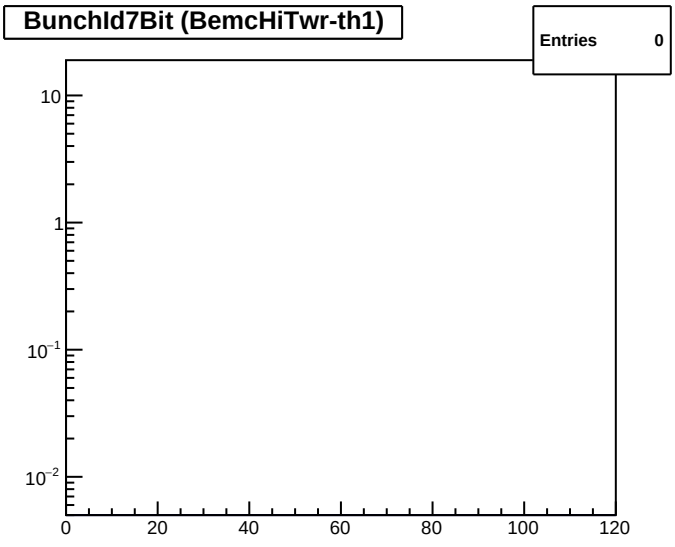


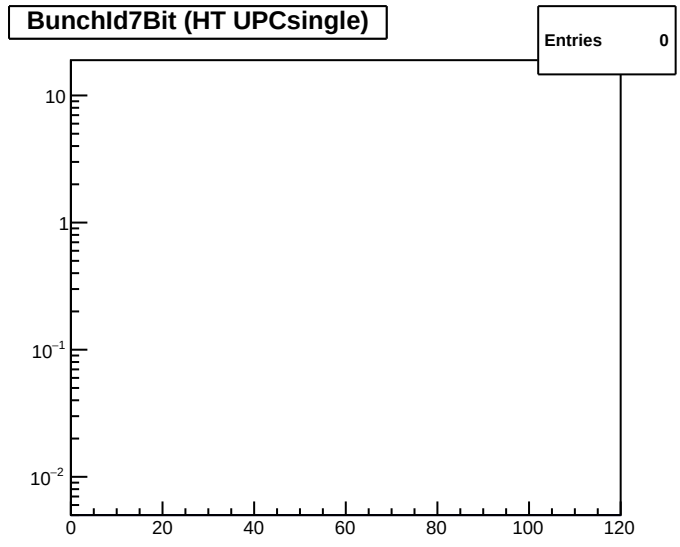
EM201-EE102

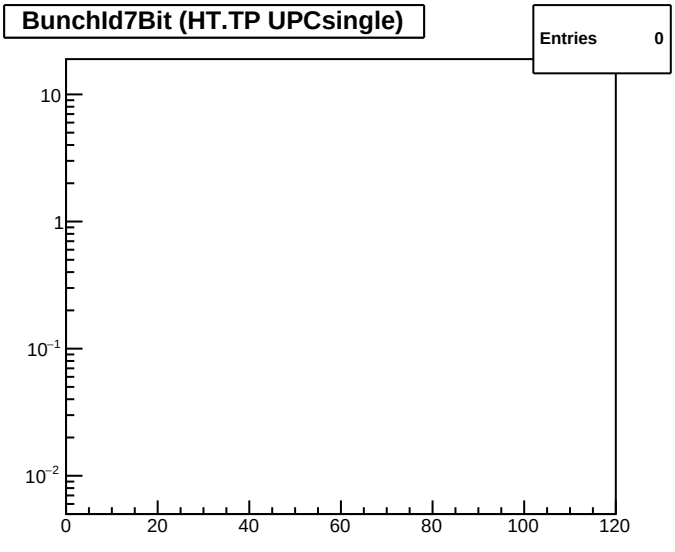


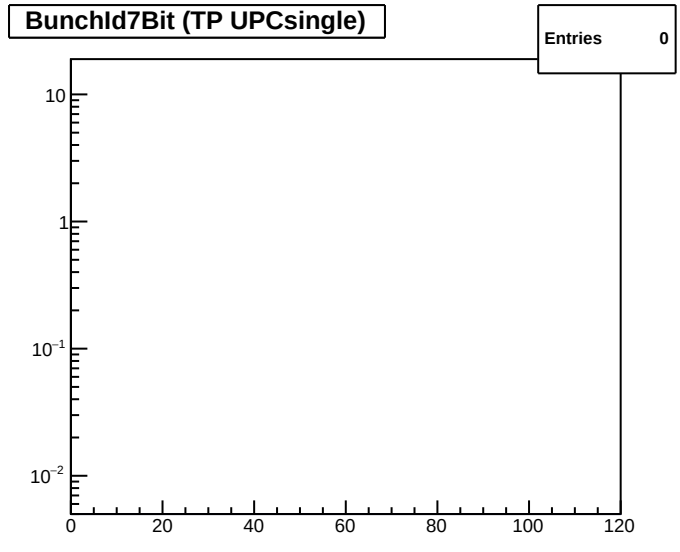
EM201-EE102Diff

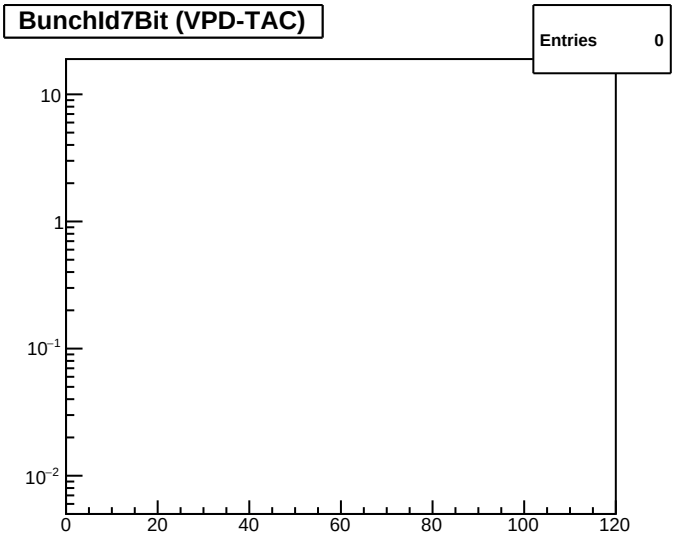


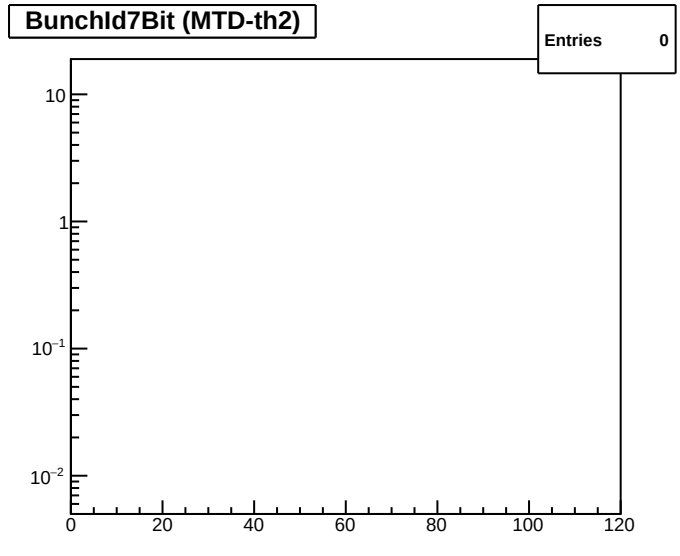

BunchId7Bit (BemcHiTwr-th1)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

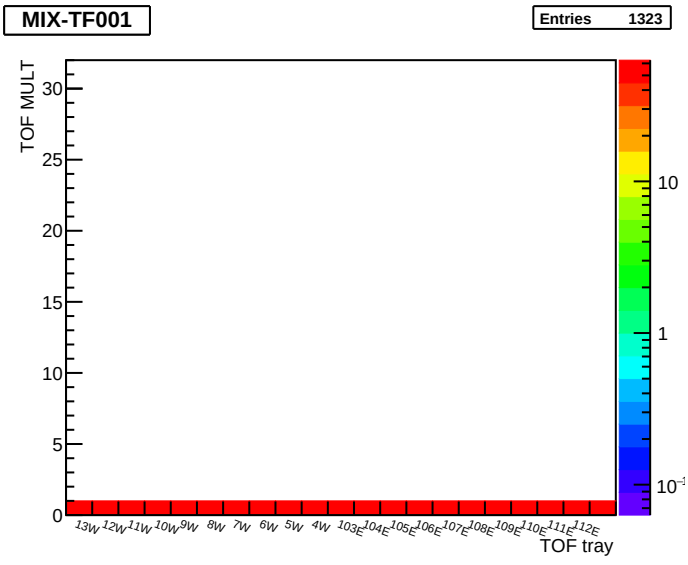

BunchId7Bit (HT UPCsingle)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

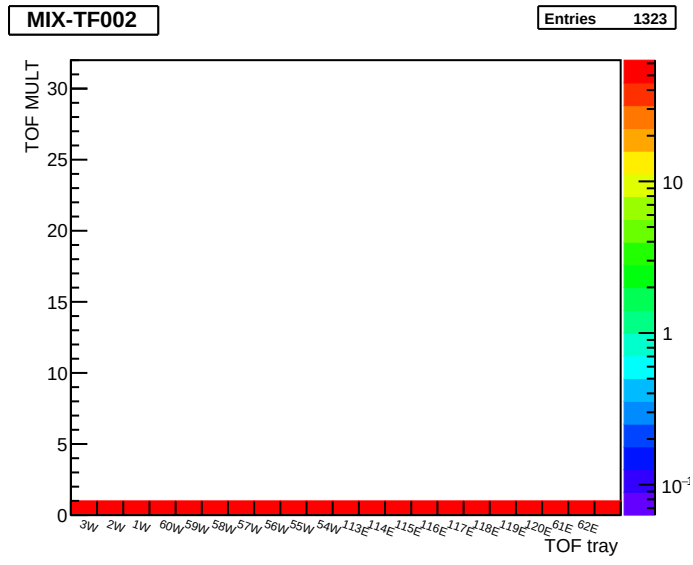

BunchId7Bit (HT.TP UPCsingle)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

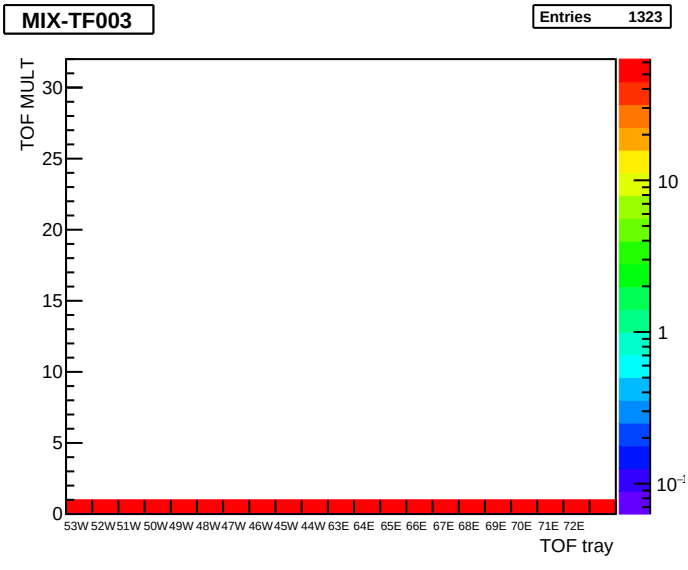

BunchId7Bit (TP UPCsingle)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

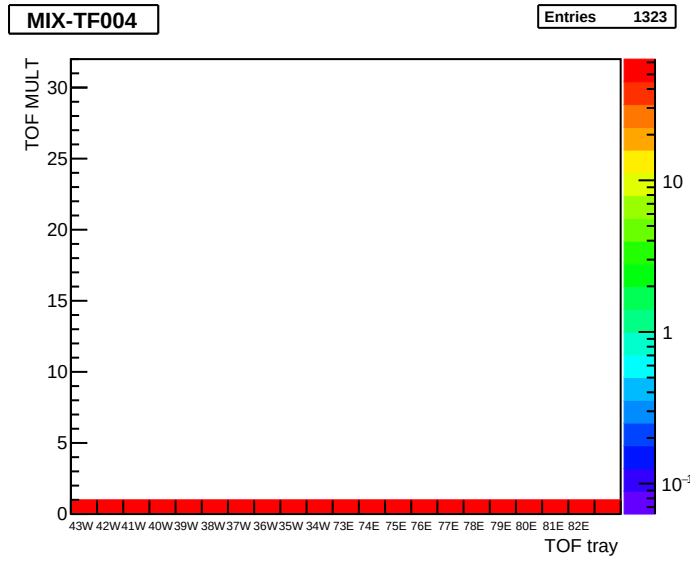

BunchId7Bit (VPD-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

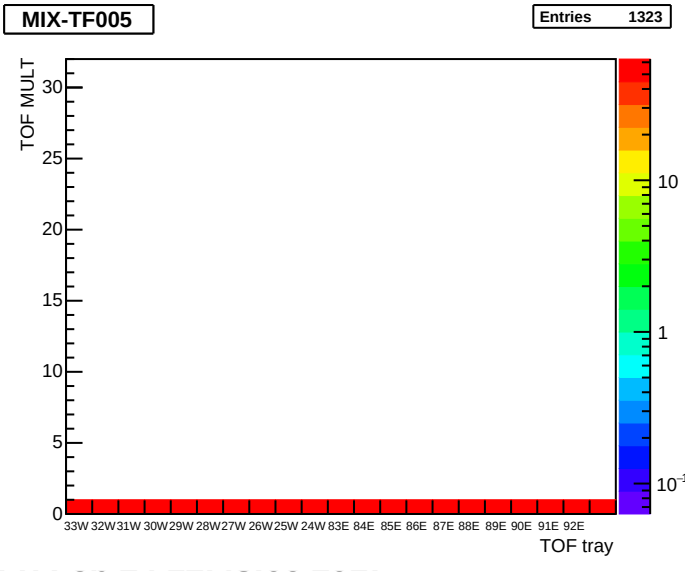

BunchId7Bit (MTD-th2)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

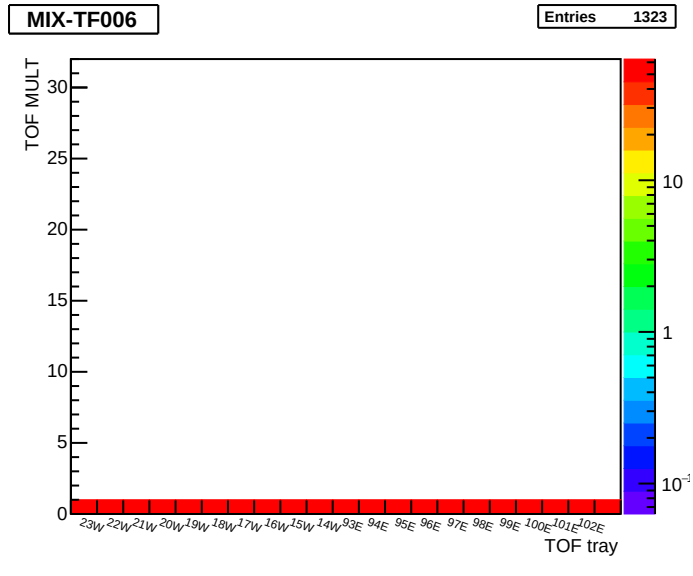

MIX-TF001
Entries 1323
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E


MIX-TF002
Entries 1323
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

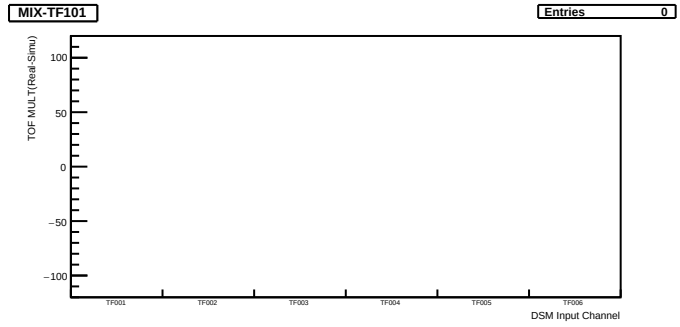

MIX-TF003
Entries 1323
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

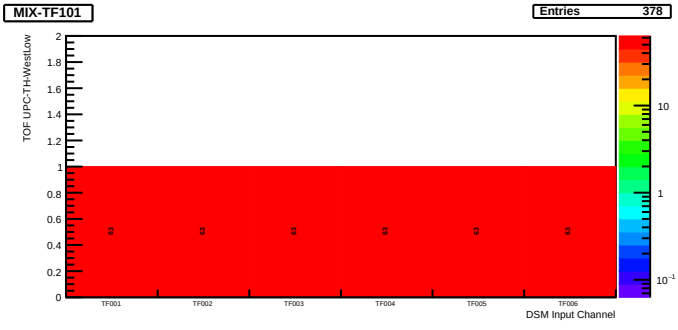

MIX-TF004
Entries 1323
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

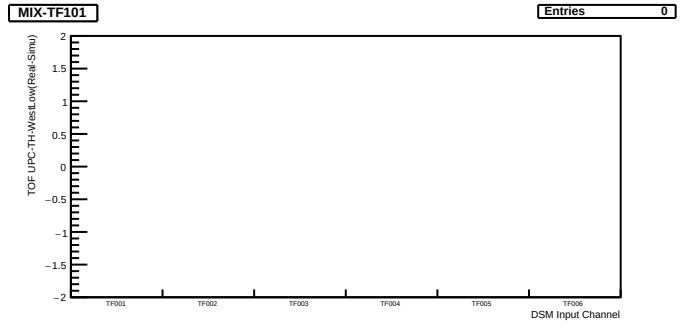

MIX-TF005
Entries 1323
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

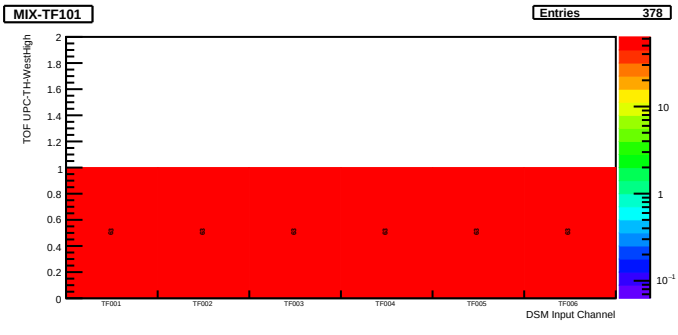

MIX-TF006
Entries 1323
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

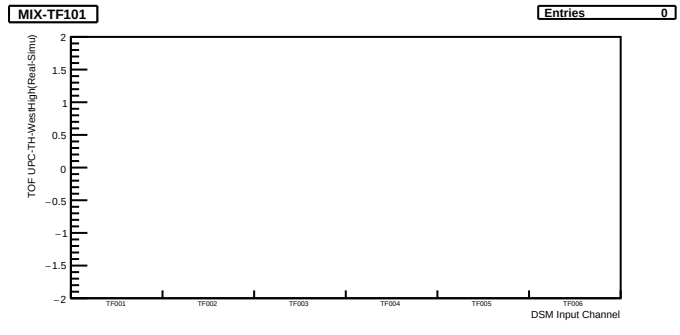
MIX-TF101
Entries 378
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

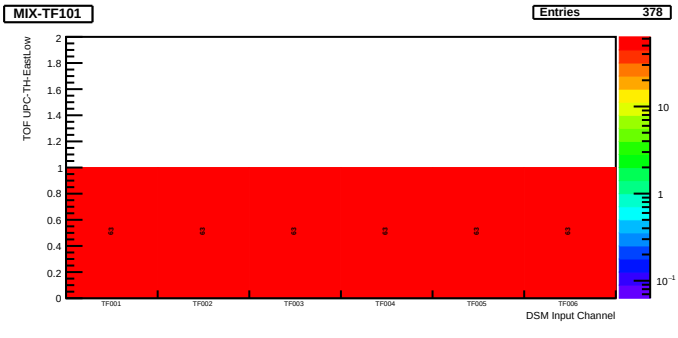

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

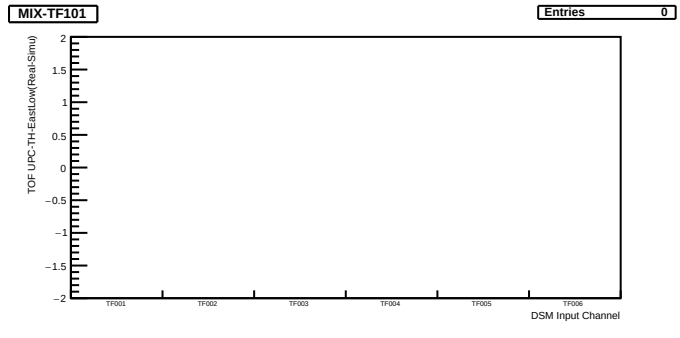

MIX-TF101
Entries 378
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

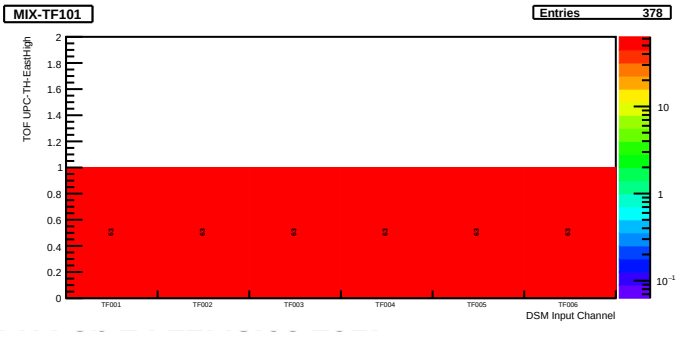

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

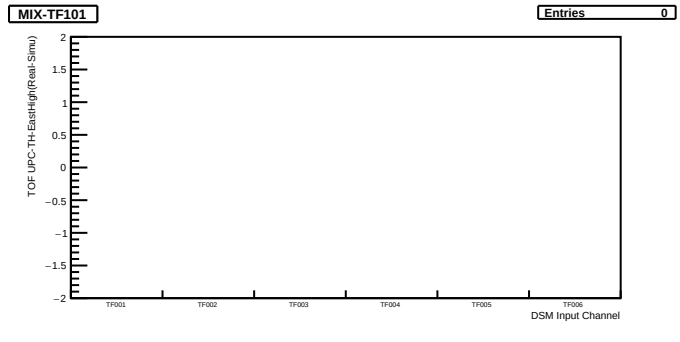

MIX-TF101
Entries 378
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

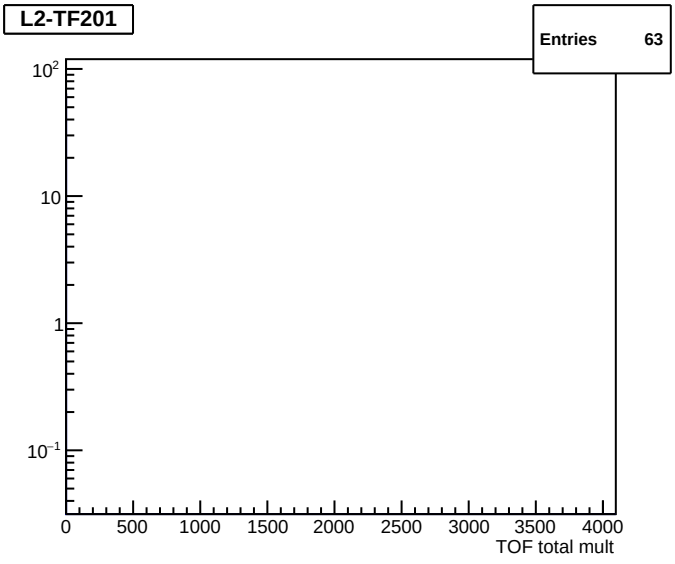

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

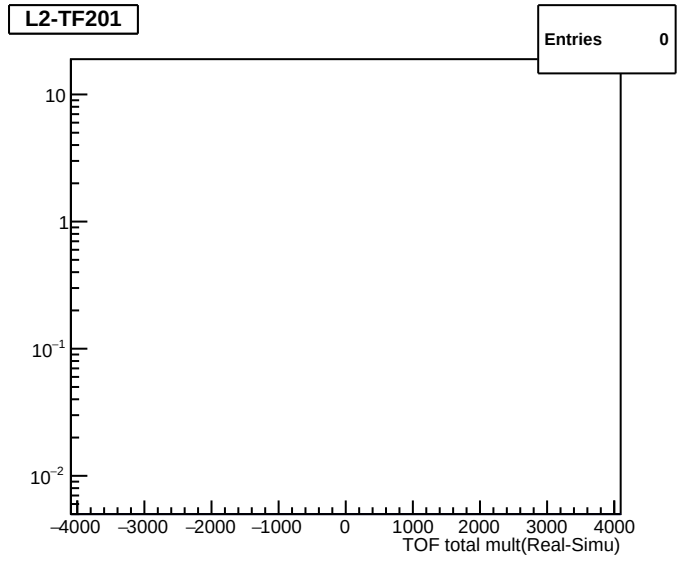

MIX-TF101
Entries 378
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

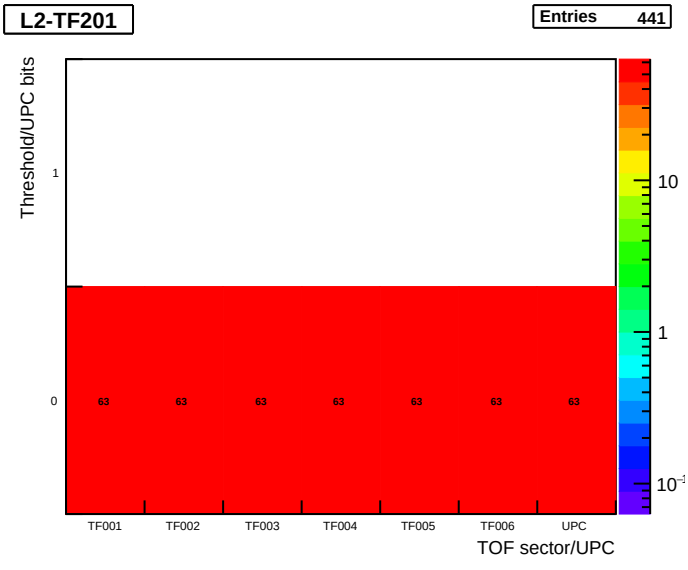

MIX-TF101
Entries 0
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

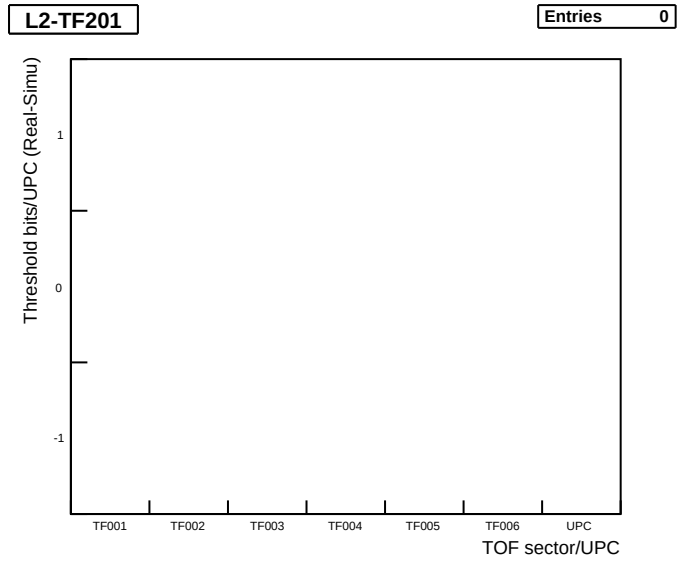

MIX-TF101
Entries 378
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

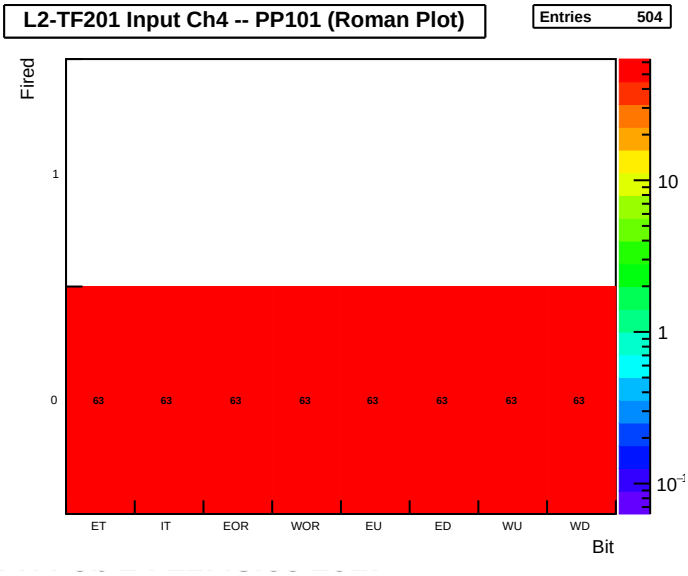

MIX-TF101
Entries 0
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

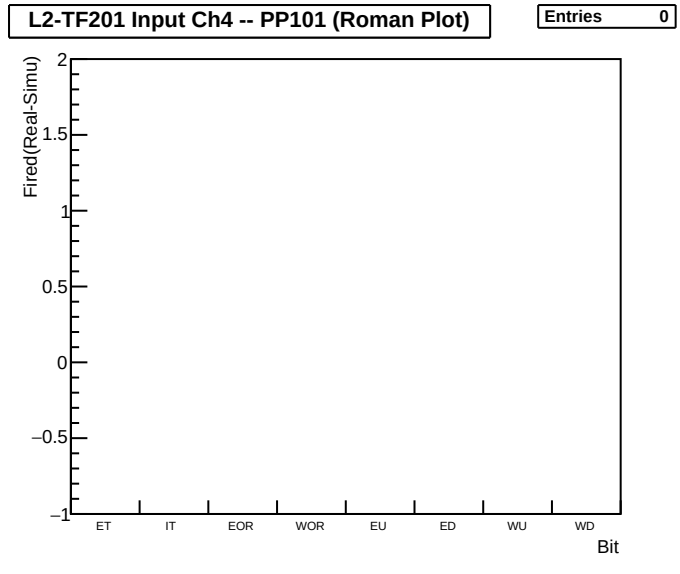

L2-TF201
Entries 63
TOF total mult

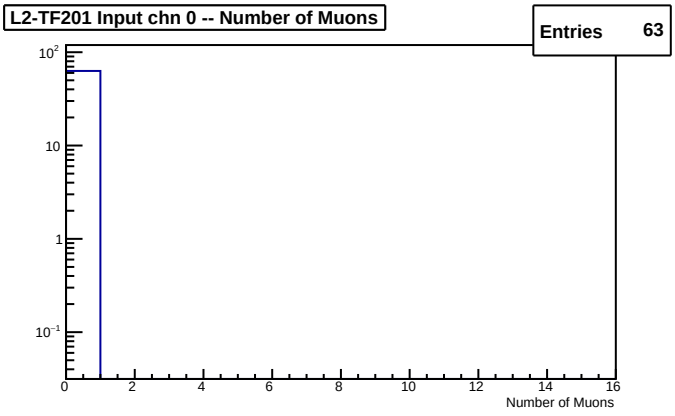

L2-TF201
Entries 0
TOF total mult(Real-Simu)

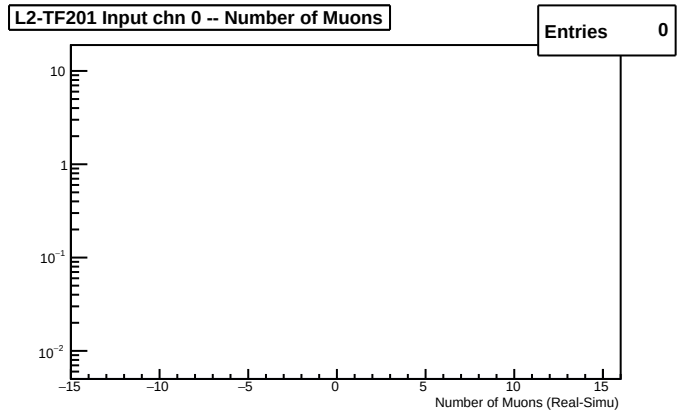

L2-TF201
Entries 441
Threshold/UPC bits
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

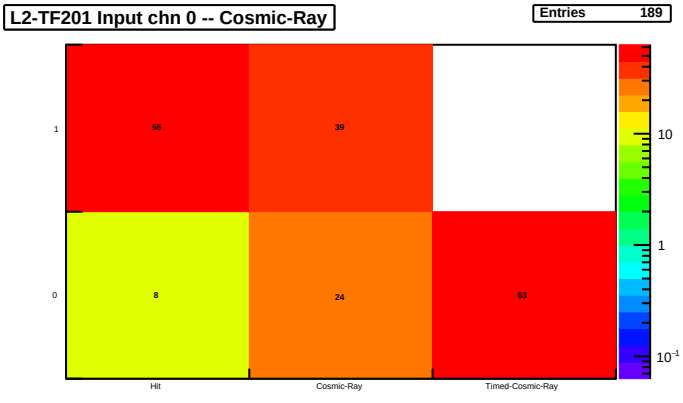

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

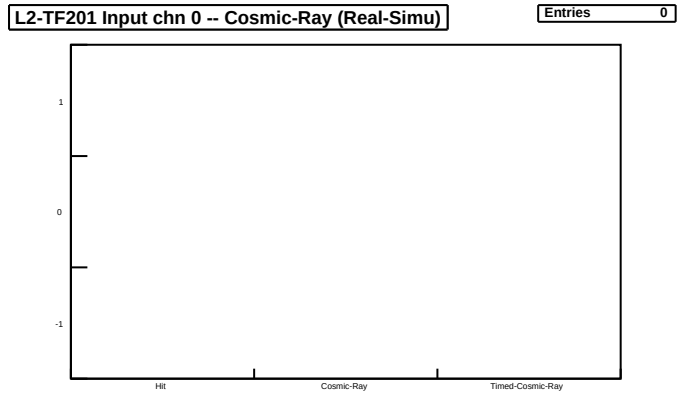

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 504
Fired
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

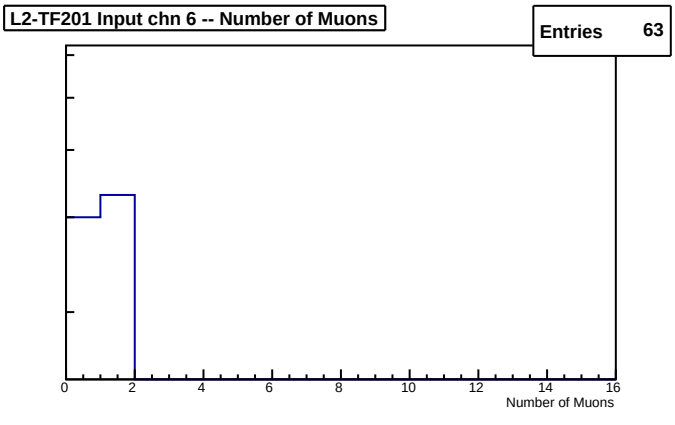

L2-TF201 Input Ch4 -- PP101 (Roman Plot)
Entries 0
Fired(Real-Simu)
ET
IT
EOR
WOR
EU
ED
WU
WD
Bit

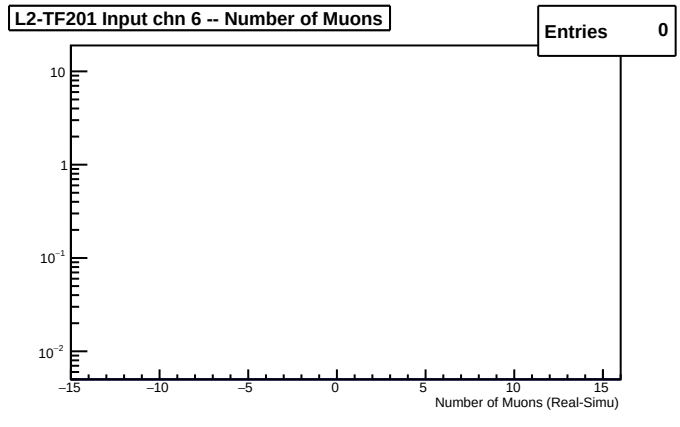

L2-TF201 Input chn 0 -- Number of Muons
Entries 63
Number of Muons

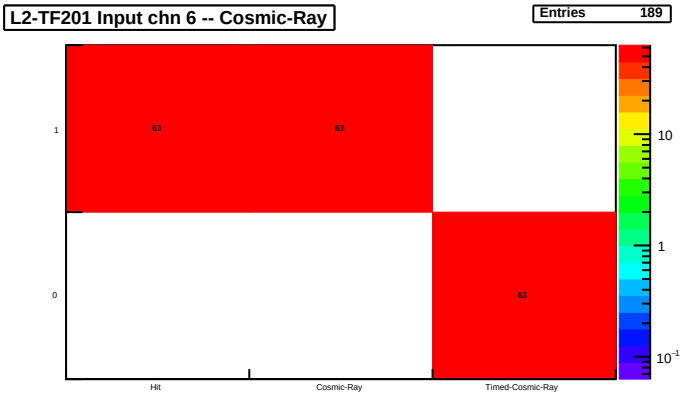

L2-TF201 Input chn 0 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

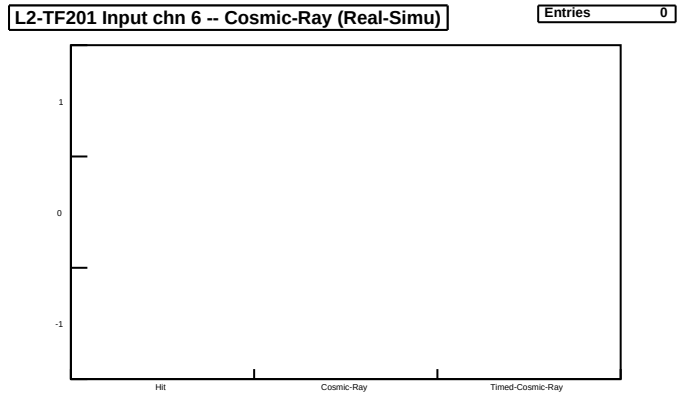

L2-TF201 Input chn 0 -- Cosmic-Ray
Entries 189
55
39
8
24
63
Hit
Cosmic-Ray
Timed-Cosmic-Ray

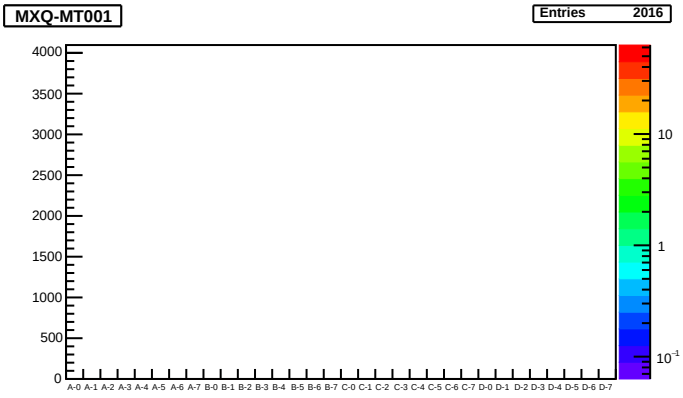

L2-TF201 Input chn 0 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

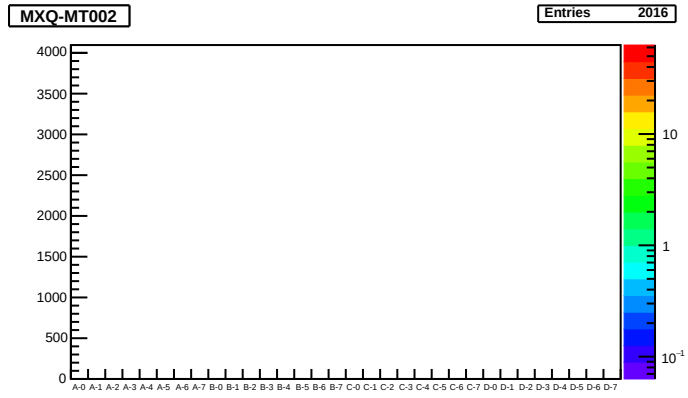

L2-TF201 Input chn 6 -- Number of Muons
Entries 63
Number of Muons

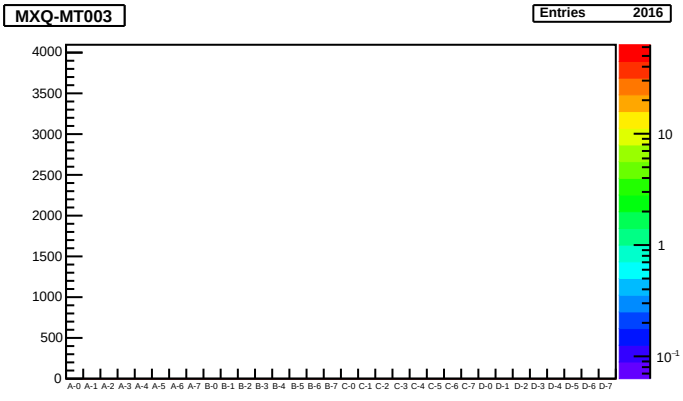

L2-TF201 Input chn 6 -- Number of Muons
Entries 0
Number of Muons (Real-Simu)

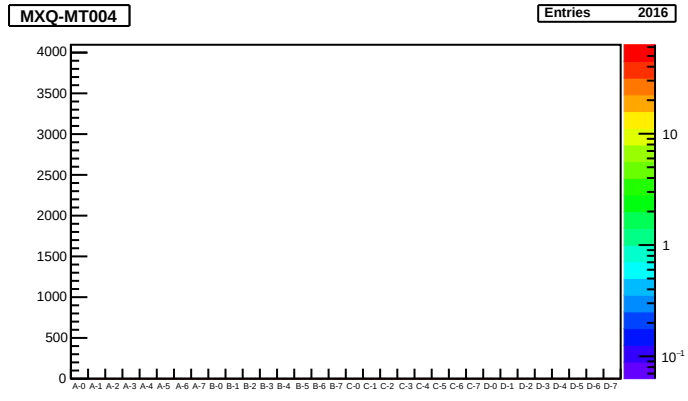

L2-TF201 Input chn 6 -- Cosmic-Ray
Entries 189
63
63
63
Hit
Cosmic-Ray
Timed-Cosmic-Ray

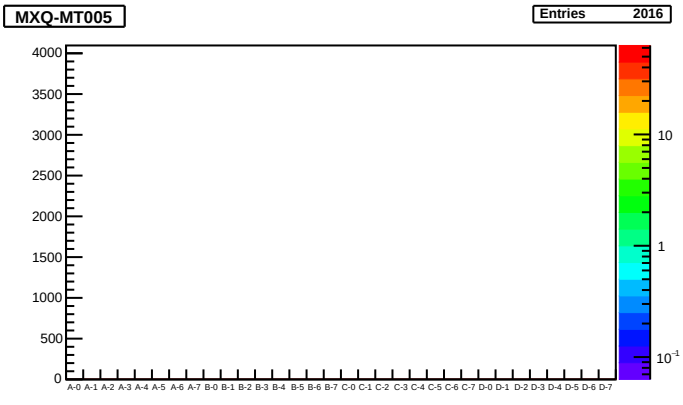

L2-TF201 Input chn 6 -- Cosmic-Ray (Real-Simu)
Entries 0
Hit
Cosmic-Ray
Timed-Cosmic-Ray

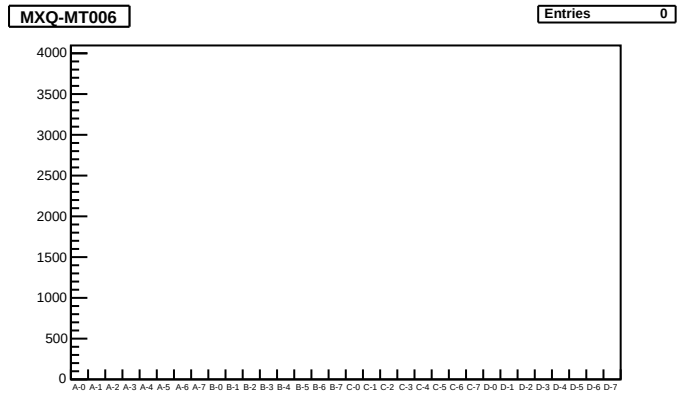

MXQ-MT001
Entries 2016
4000
3500
3000
2500
2000
1500
1000
500
0
10
1
10^{-1}
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

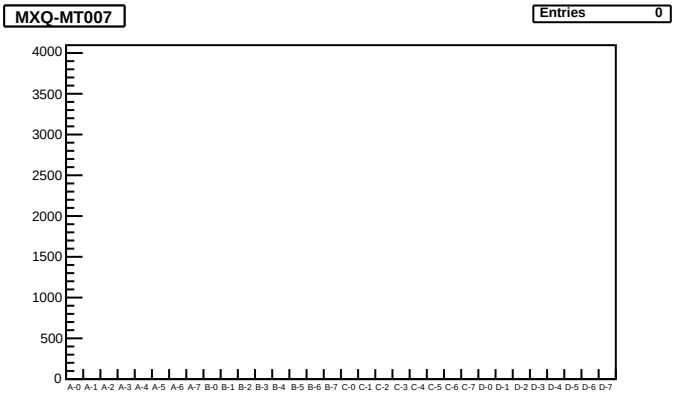

MXQ-MT002
Entries 2016
4000
3500
3000
2500
2000
1500
1000
500
0
10
1
10^{-1}
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

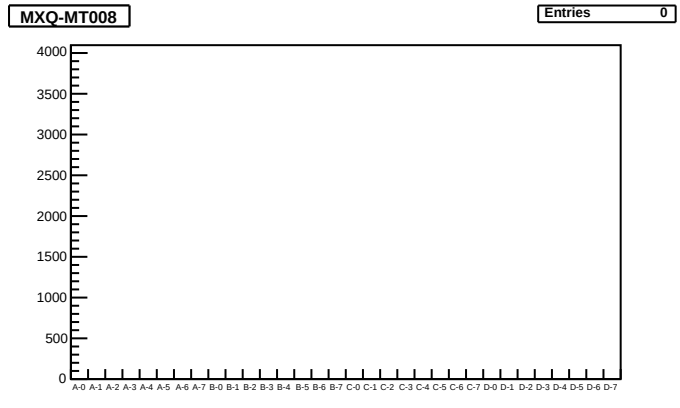

MXQ-MT003
Entries 2016
4000
3500
3000
2500
2000
1500
1000
500
0
10
1
10^{-1}
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

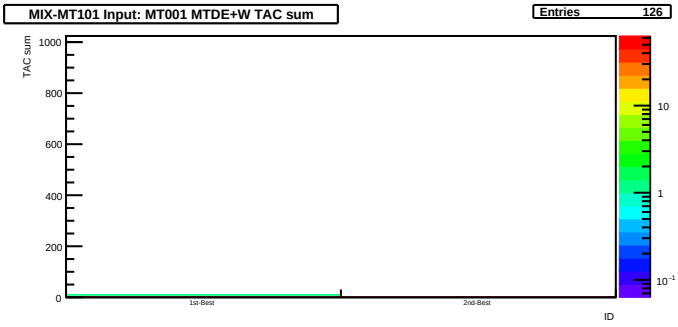

MXQ-MT004
Entries 2016
4000
3500
3000
2500
2000
1500
1000
500
0
10
1
10^{-1}
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

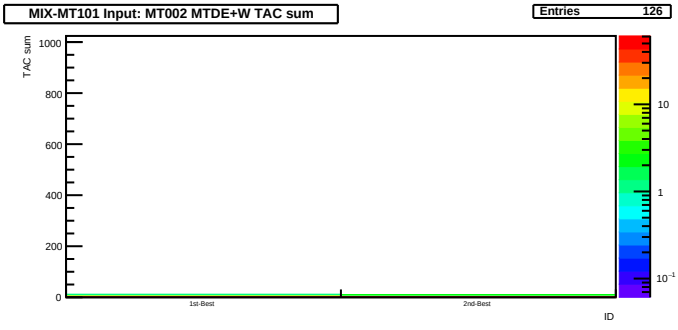

MXQ-MT005
Entries 2016
4000
3500
3000
2500
2000
1500
1000
500
0
10
1
10^{-1}
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

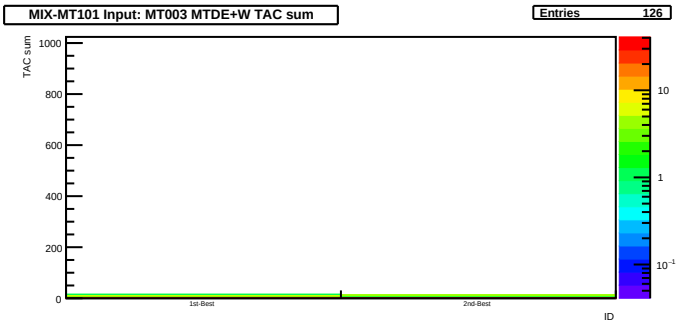

MXQ-MT006
Entries 0
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

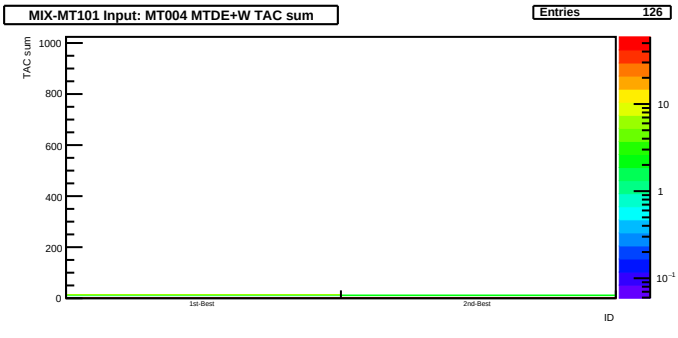

MXQ-MT007
Entries 0
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

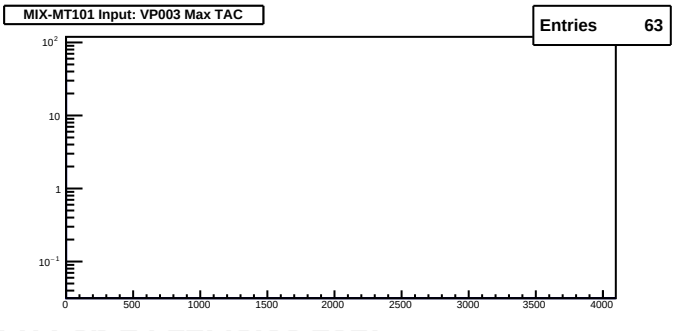

MXQ-MT008
Entries 0
4000
3500
3000
2500
2000
1500
1000
500
0
A-0 A-1 A-2 A-3 A-4 A-5 A-6 A-7 B-0 B-1 B-2 B-3 B-4 B-5 B-6 B-7 C-0 C-1 C-2 C-3 C-4 C-5 C-6 C-7 D-0 D-1 D-2 D-3 D-4 D-5 D-6 D-7

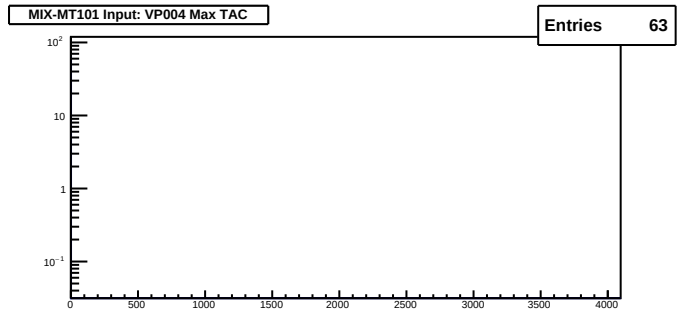

MIX-MT101 Input: MT001 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

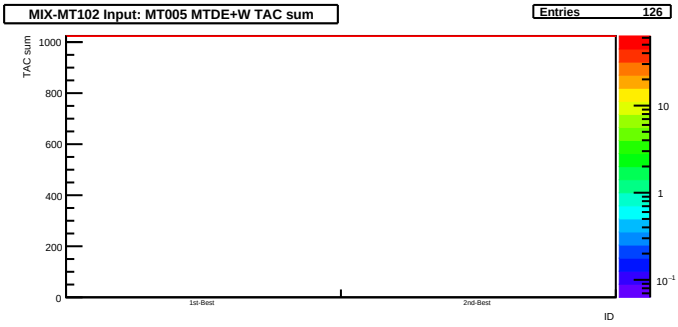

MIX-MT101 Input: MT002 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

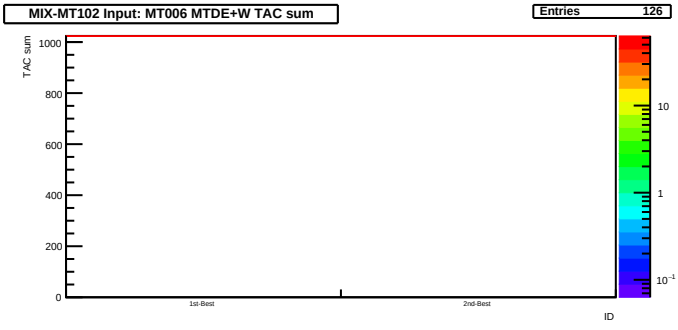

MIX-MT101 Input: MT003 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

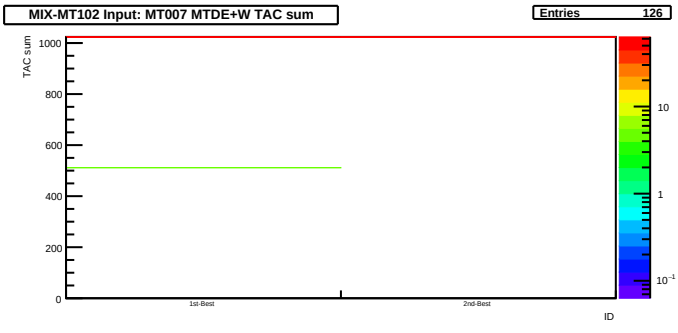

MIX-MT101 Input: MT004 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

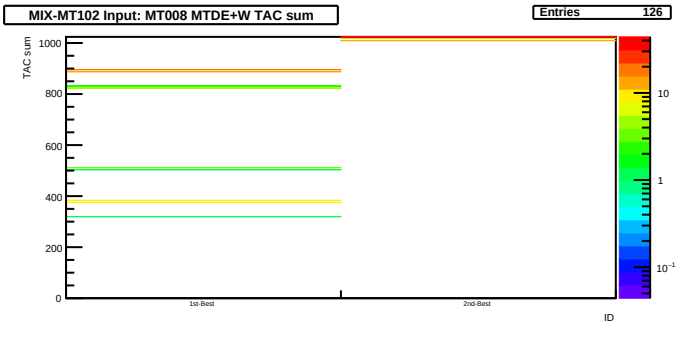

MIX-MT101 Input: VP003 Max TAC
Entries 63
10^2
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

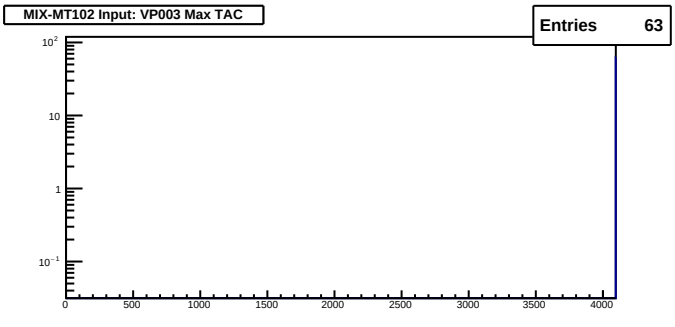

MIX-MT101 Input: VP004 Max TAC
Entries 63
10^2
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

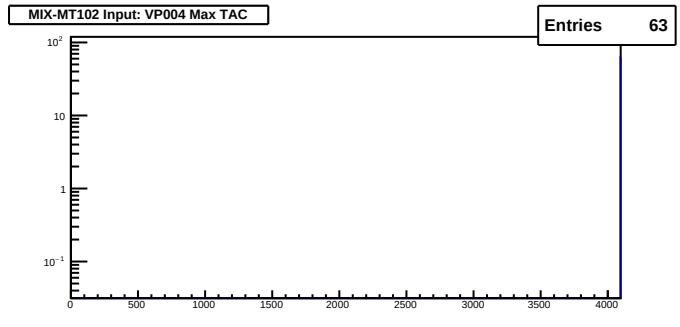

MIX-MT102 Input: MT005 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

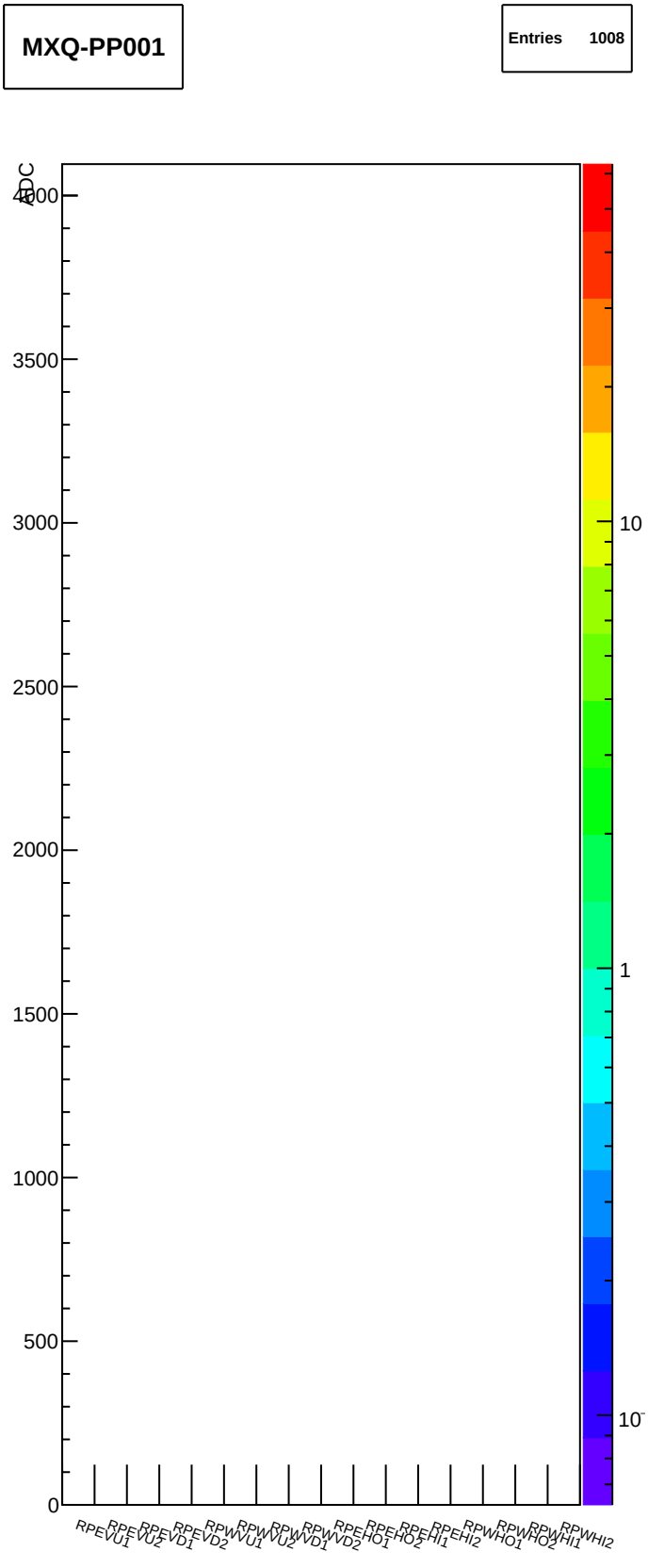

MIX-MT102 Input: MT006 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

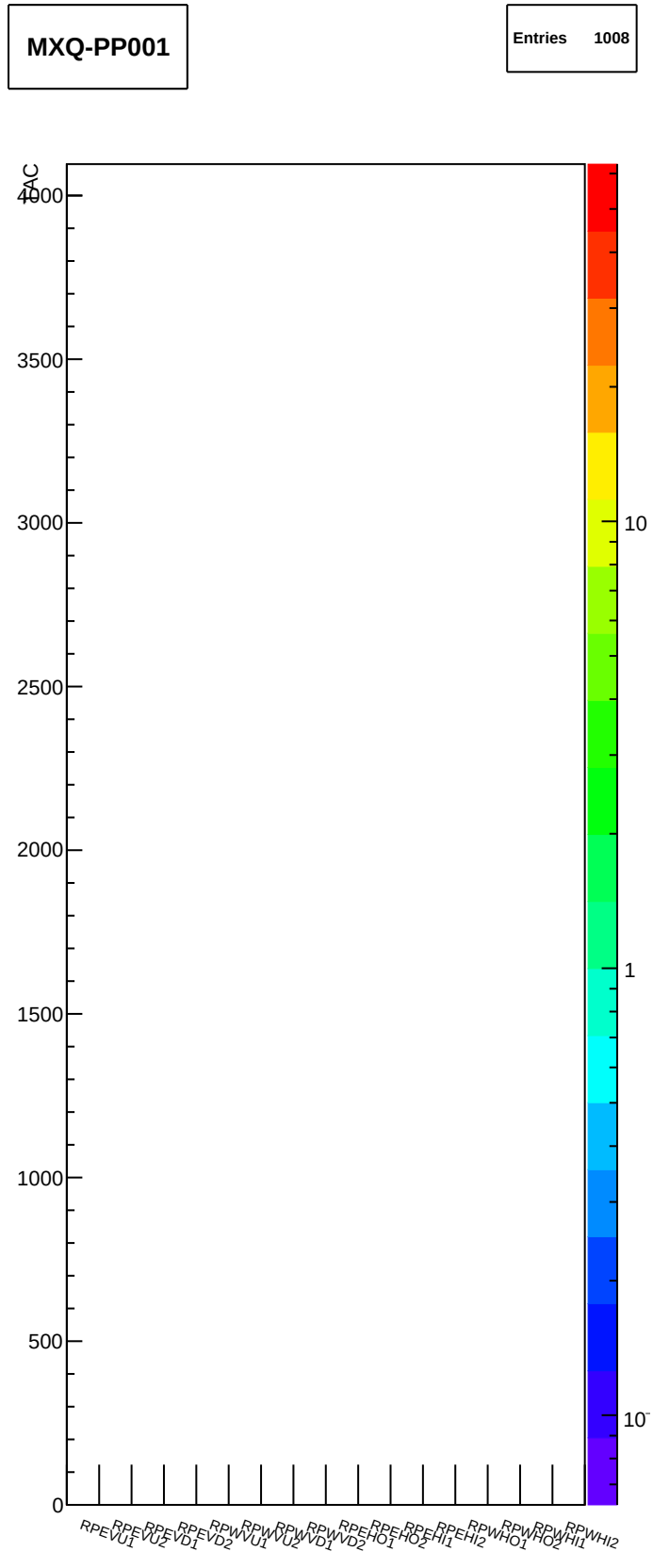

MIX-MT102 Input: MT007 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

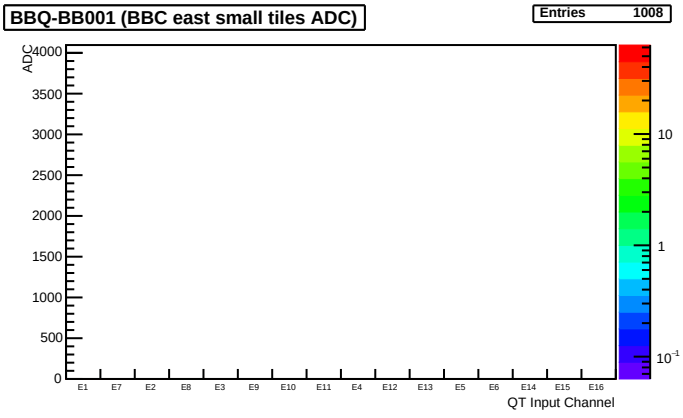

MIX-MT102 Input: MT008 MTDE+W TAC sum
Entries 126
TAC sum
1000
800
600
400
200
0
1st-Best
2nd-Best
ID
10
1
10^{-1}

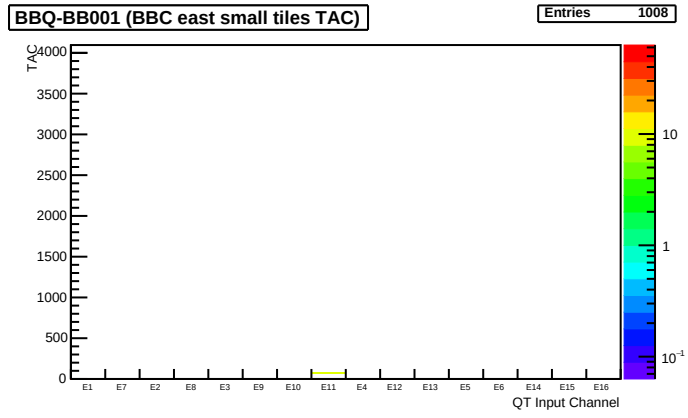

MIX-MT102 Input: VP003 Max TAC
Entries 63
10^{2}
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

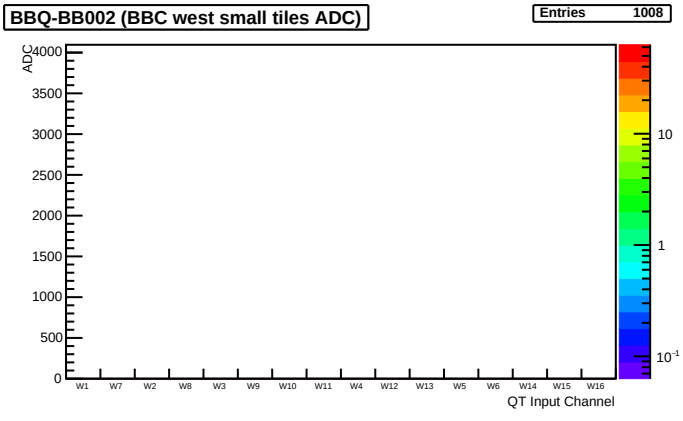

MIX-MT102 Input: VP004 Max TAC
Entries 63
10^{2}
10
1
10^{-1}
0
500
1000
1500
2000
2500
3000
3500
4000

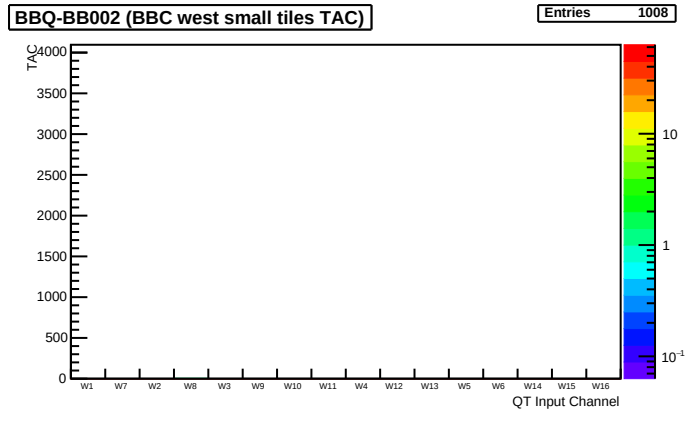

MXQ-PP001
Entries 1008
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
10
1
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2

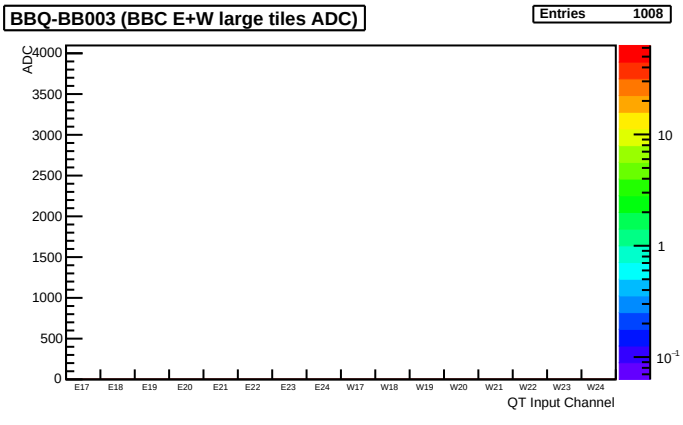

MXQ-PP001
Entries 1008
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
10
1
RPEVU1
RPEVU2
RPEVD1
RPEVD2
RPWVU1
RPWVU2
RPWVD1
RPWVD2
RPEHO1
RPEHO2
RPEHI1
RPEHI2
RPWHO1
RPWHO2
RPWHI1
RPWHI2

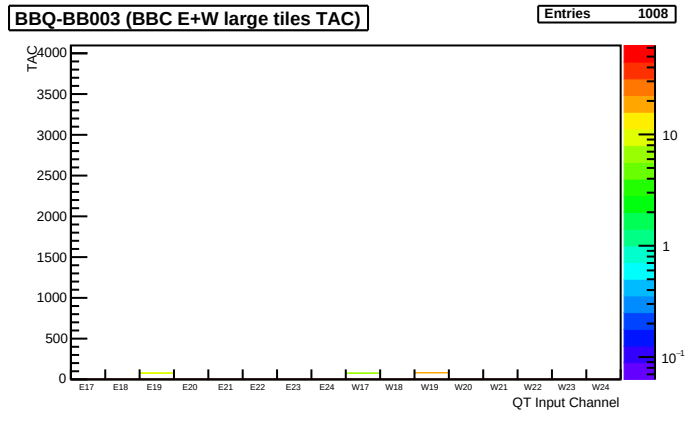

BBQ-BB001 (BBC east small tiles ADC)
Entries 1008
ADC
QT Input Channel

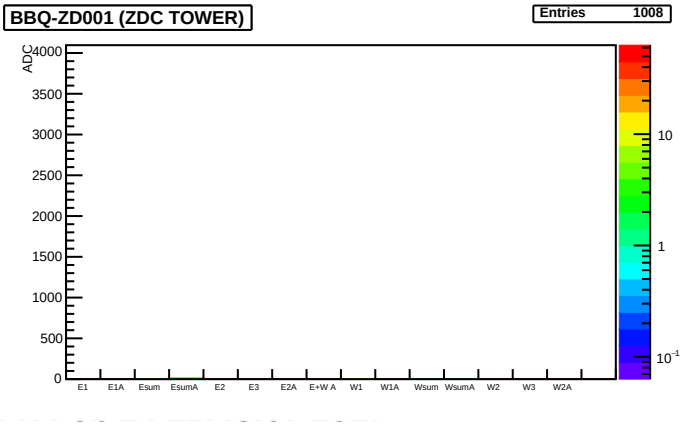

BBQ-BB001 (BBC east small tiles TAC)
Entries 1008
TAC
QT Input Channel

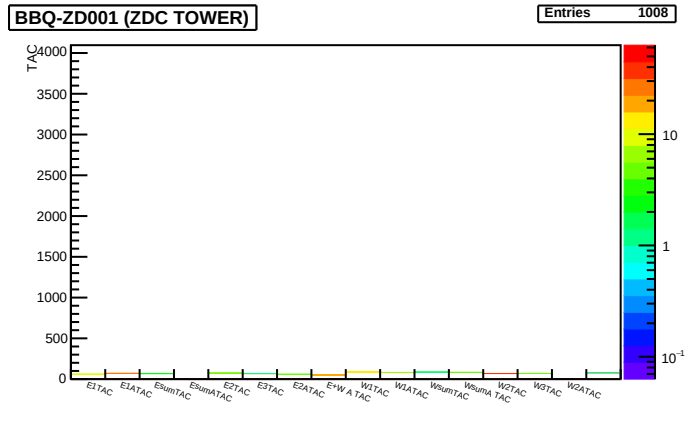

BBQ-BB002 (BBC west small tiles ADC)
Entries 1008
ADC
QT Input Channel

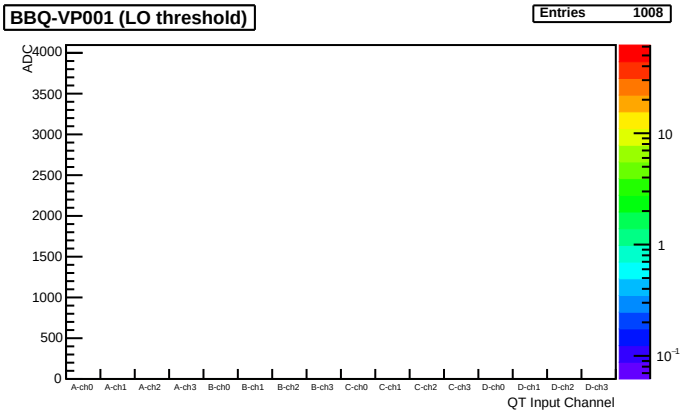

BBQ-BB002 (BBC west small tiles TAC)
Entries 1008
TAC
QT Input Channel

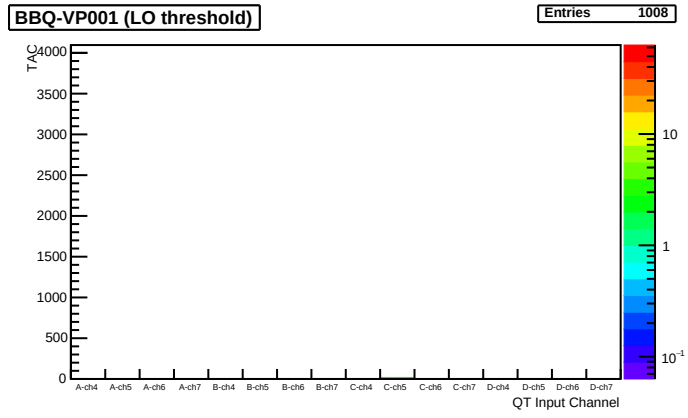

BBQ-BB003 (BBC E+W large tiles ADC)
Entries 1008
ADC
QT Input Channel

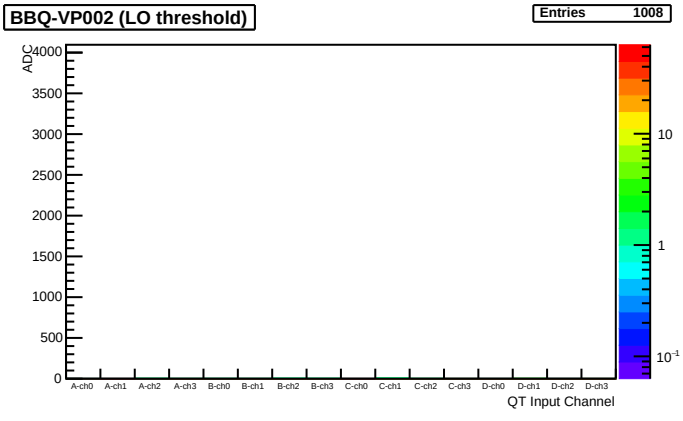

BBQ-BB003 (BBC E+W large tiles TAC)
Entries 1008
TAC
QT Input Channel

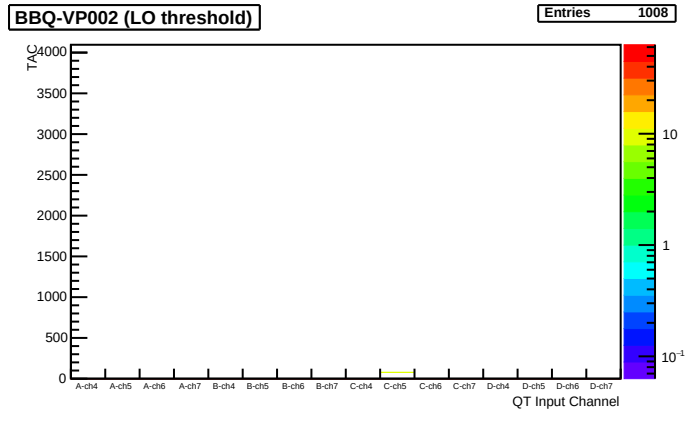

BBQ-ZD001 (ZDC TOWER)
Entries 1008
ADC

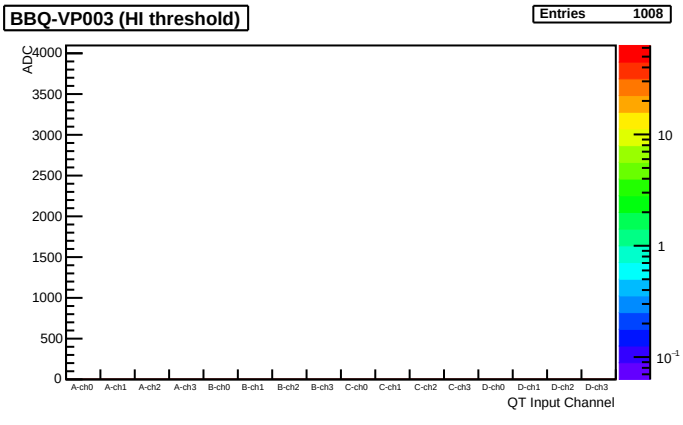

BBQ-ZD001 (ZDC TOWER)
Entries 1008
TAC

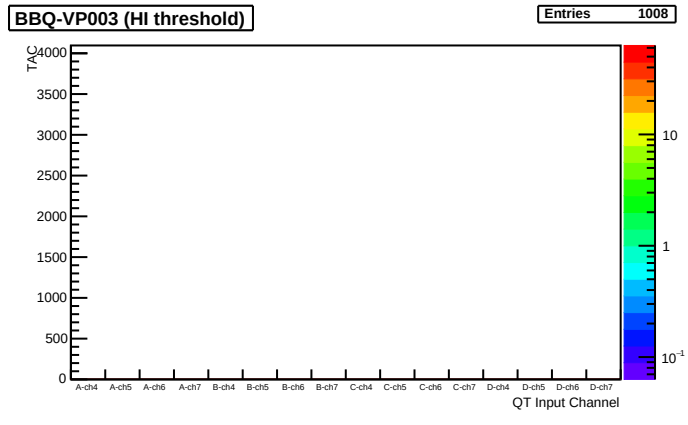

BBQ-VP001 (LO threshold)
Entries 1008
ADC
QT Input Channel

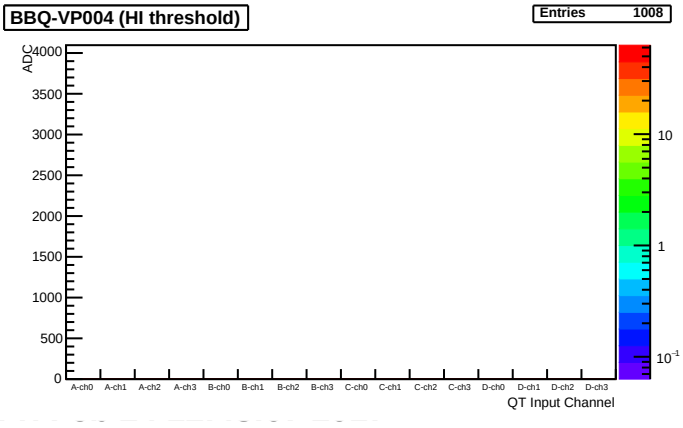

BBQ-VP001 (LO threshold)
Entries 1008
TAC
QT Input Channel

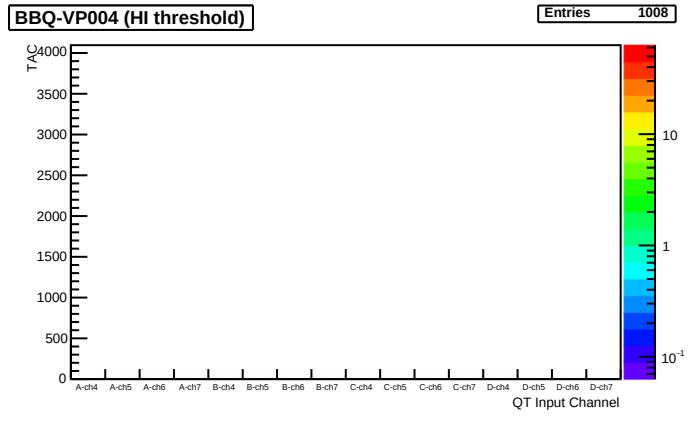

BBQ-VP002 (LO threshold)
Entries 1008
ADC
QT Input Channel

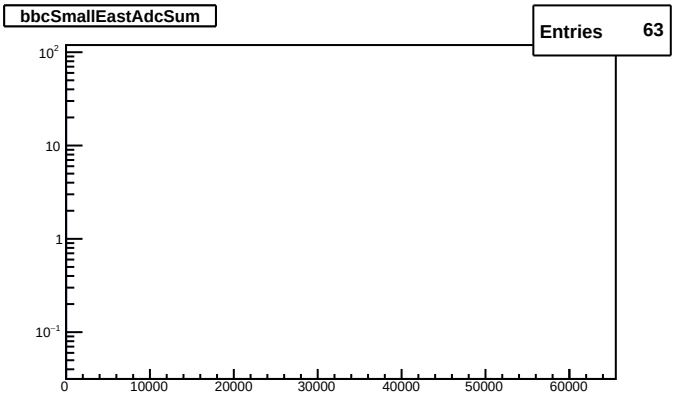

BBQ-VP002 (LO threshold)
Entries 1008
TAC
QT Input Channel

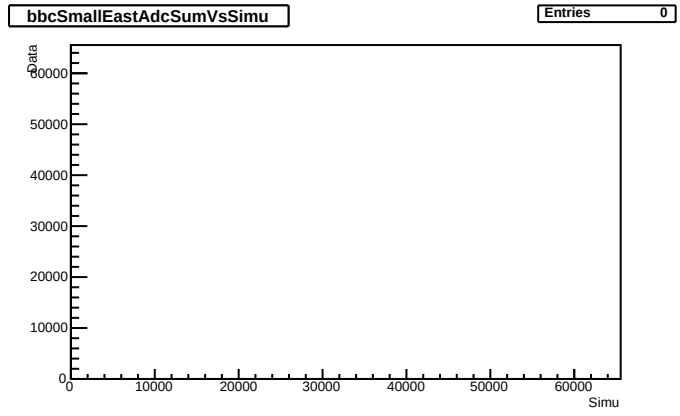

BBQ-VP003 (HI threshold)
Entries 1008
ADC
QT Input Channel

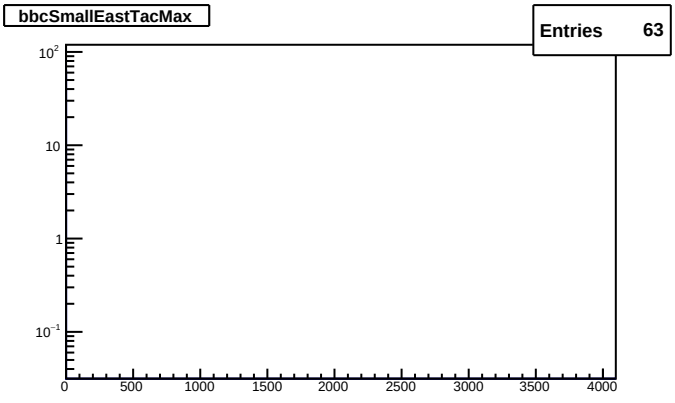

BBQ-VP003 (HI threshold)
Entries 1008
TAC
QT Input Channel

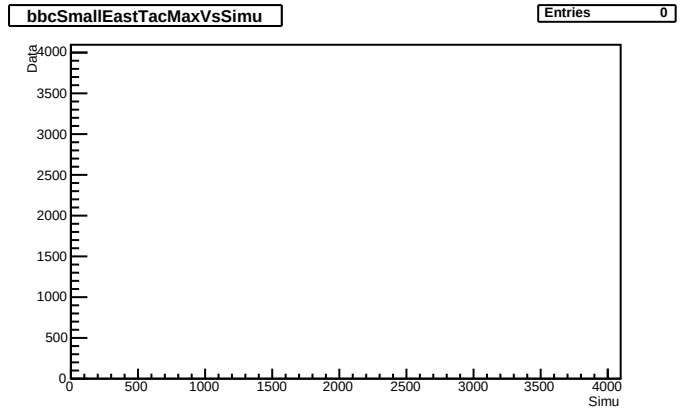

BBQ-VP004 (HI threshold)
Entries 1008
ADC
QT Input Channel

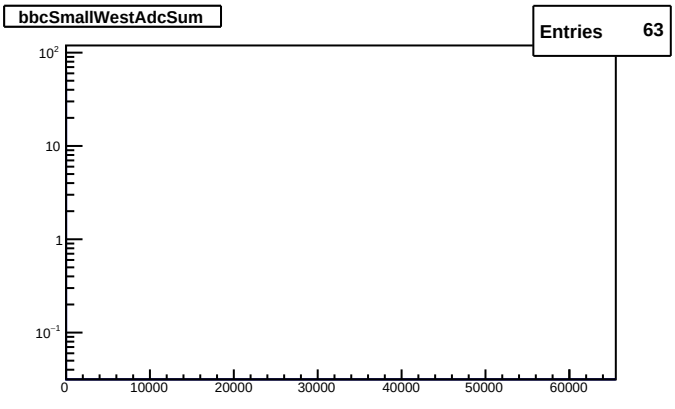

BBQ-VP004 (HI threshold)
Entries 1008
TAC
QT Input Channel

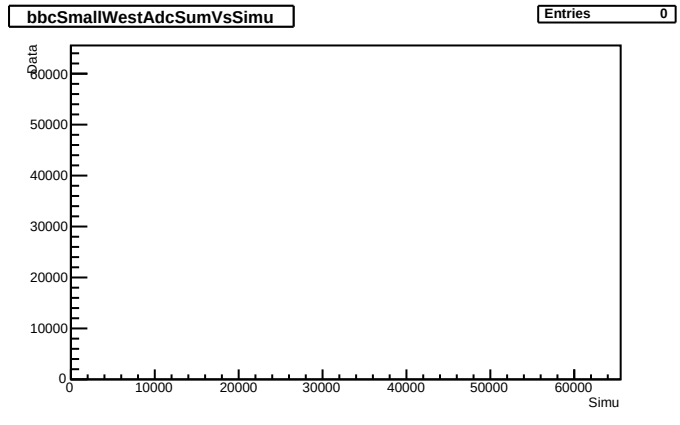

bbcSmallEastAdcSum
Entries 63

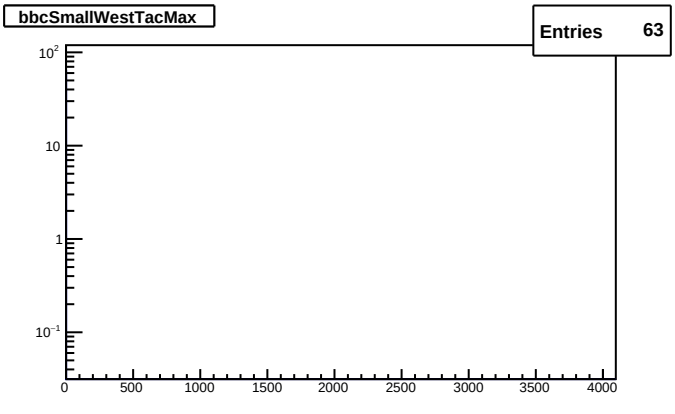

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

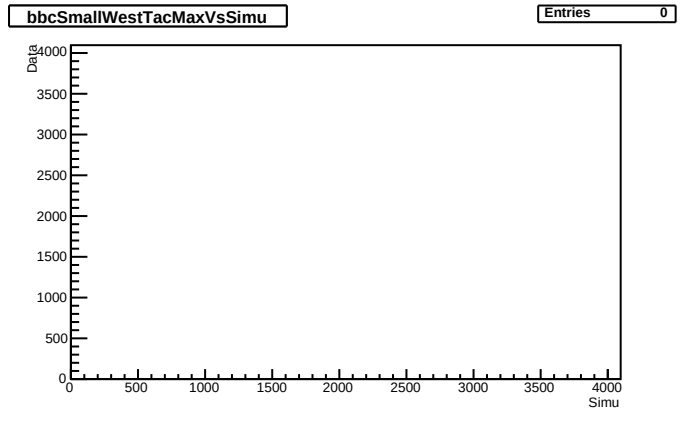

bbcSmallEastTacMax
Entries 63

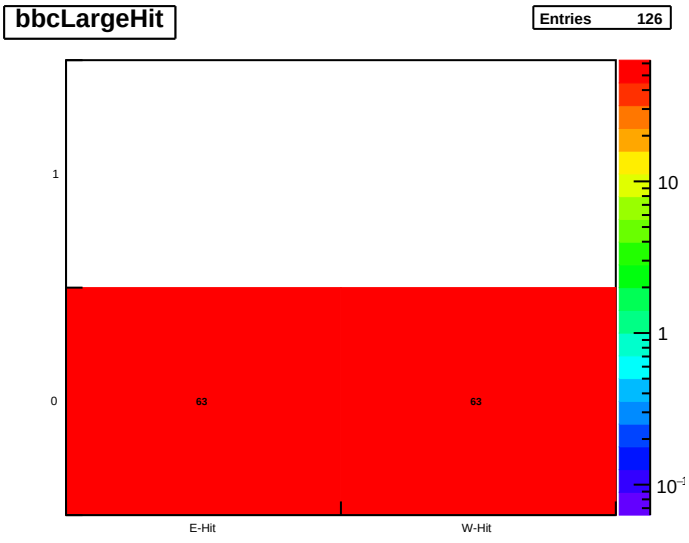

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

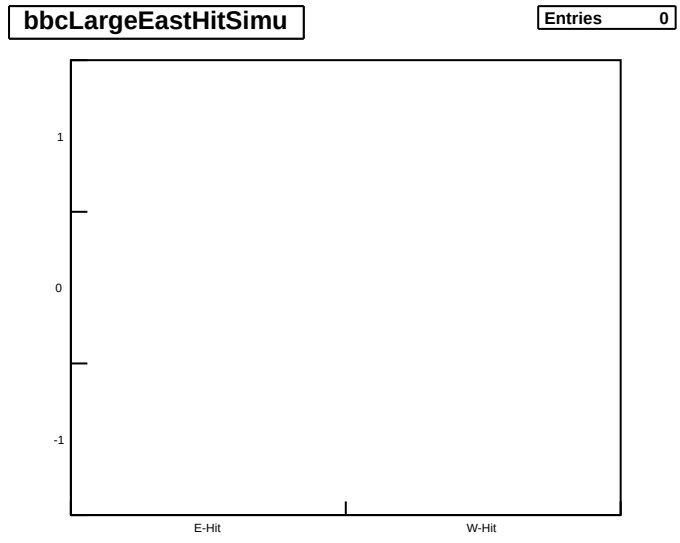

bbcSmallWestAdcSum
Entries 63

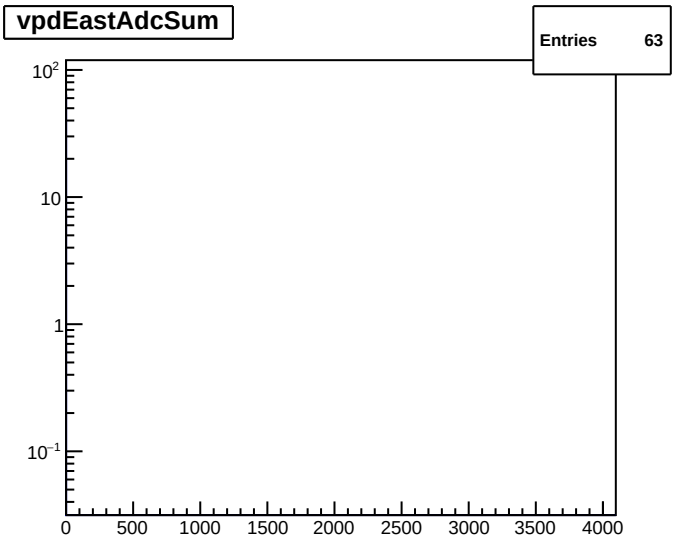

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

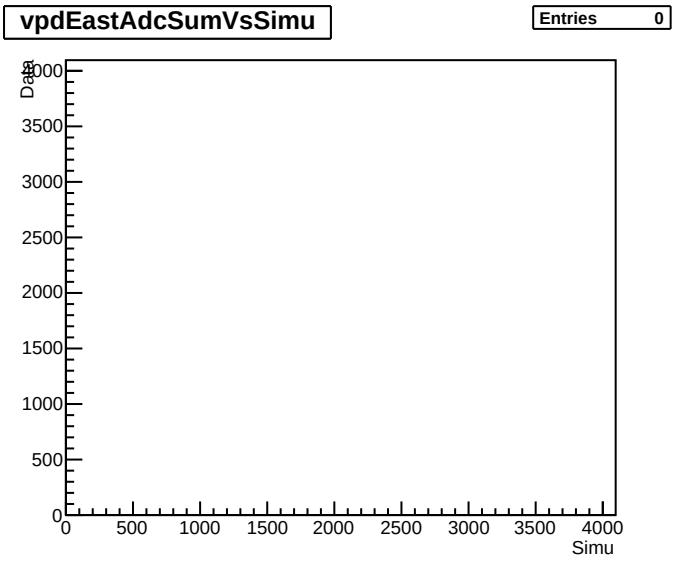

bbcSmallWestTacMax
Entries 63

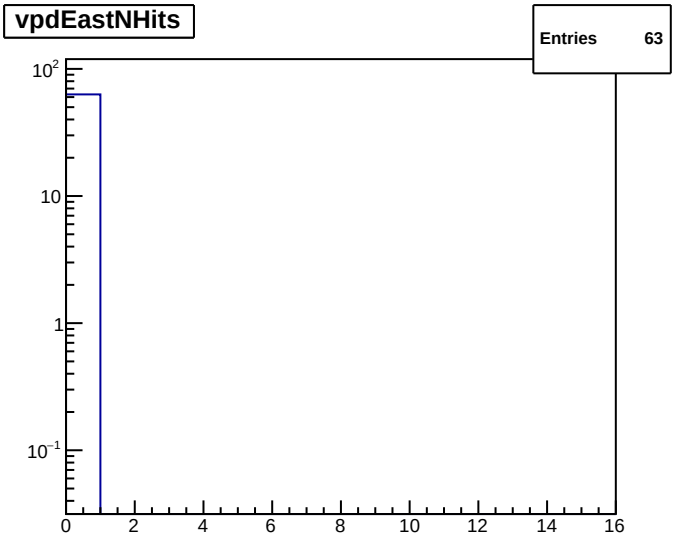

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

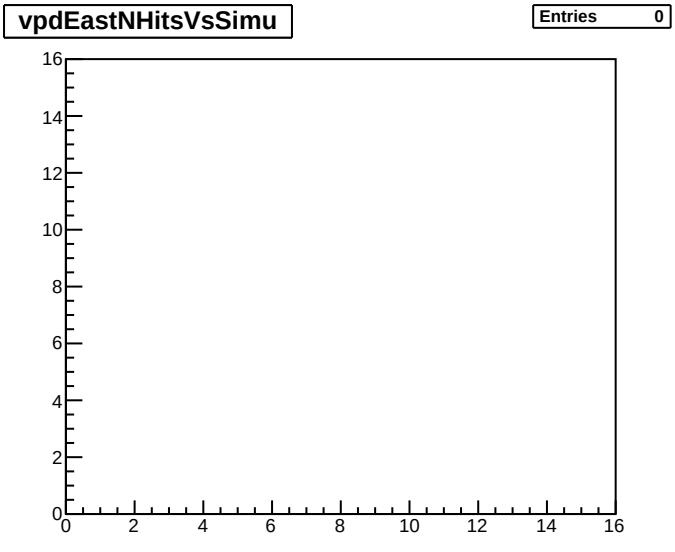

bbcLargeHit
Entries 126
1
0
63
63
E-Hit
W-Hit
10
1
10^{-1}

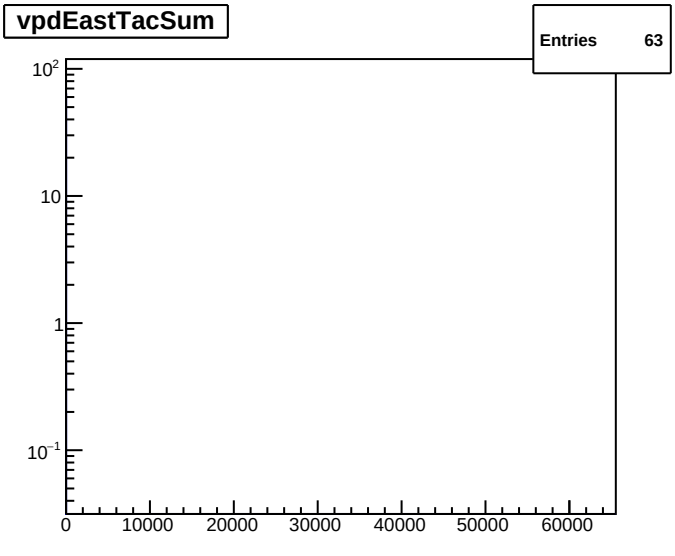

bbcLargeEastHitSimu
Entries 0
1
0
-1
E-Hit
W-Hit

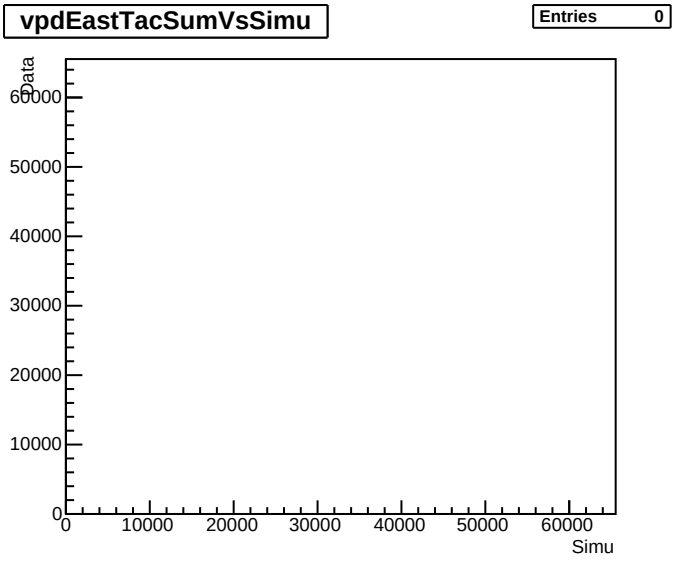

vpdEastAdcSum
Entries 63
10^2
10
1
10^{-1}
0 500 1000 1500 2000 2500 3000 3500 4000

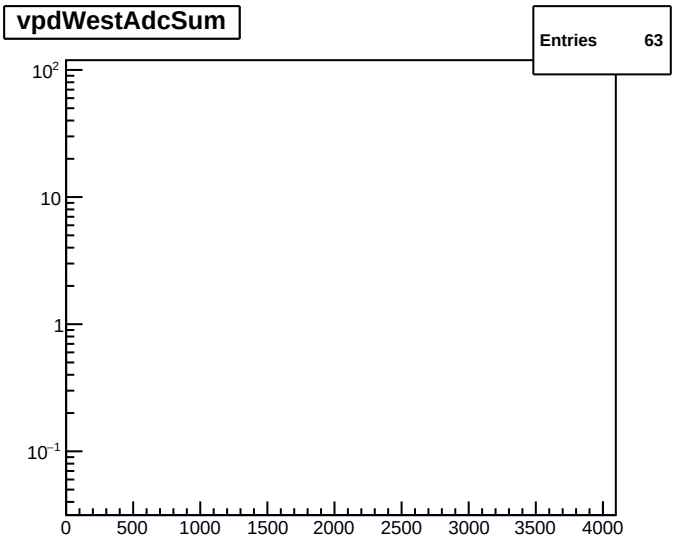

vpdEastAdcSumVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

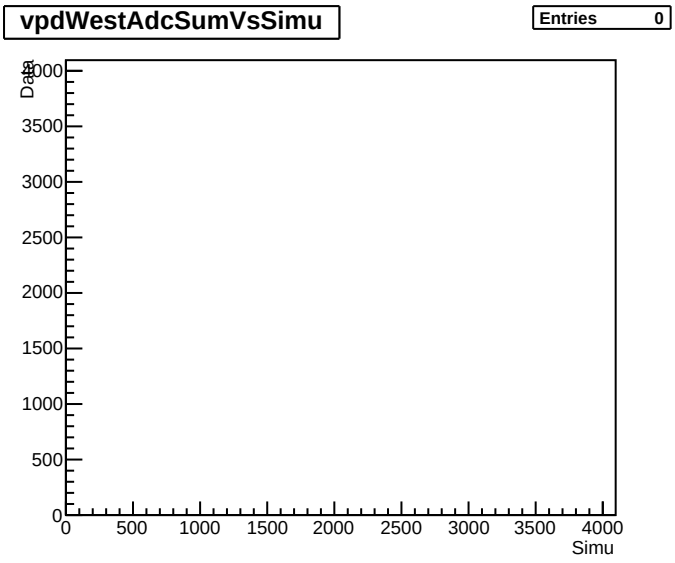

vpdEastNHits
Entries 63
10^2
10
1
10^{-1}
0 2 4 6 8 10 12 14 16

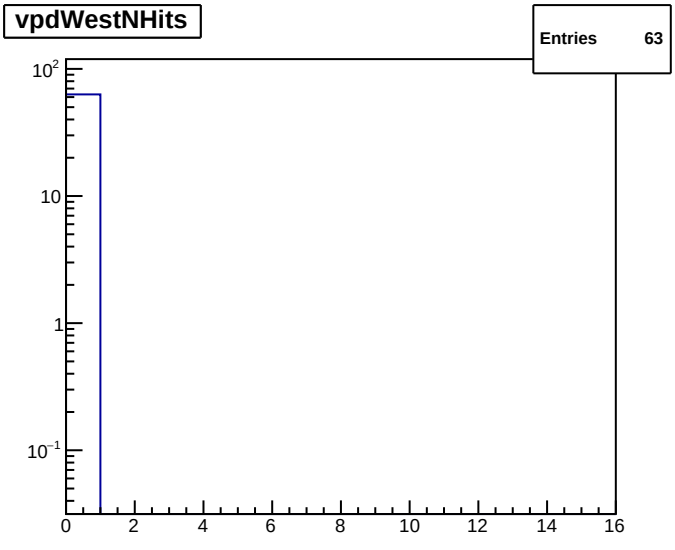

vpdEastNHitsVsSimu
Entries 0
16
14
12
10
8
6
4
2
0
0 2 4 6 8 10 12 14 16

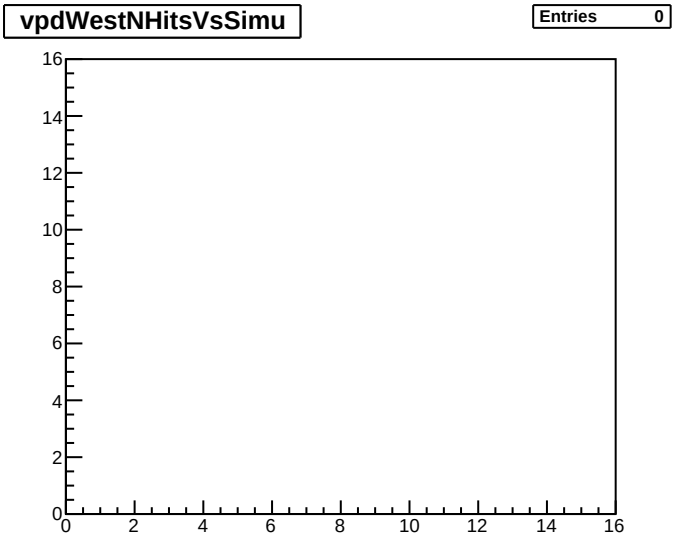

vpdEastTacSum
Entries 63
10^2
10
1
10^{-1}
0 10000 20000 30000 40000 50000 60000

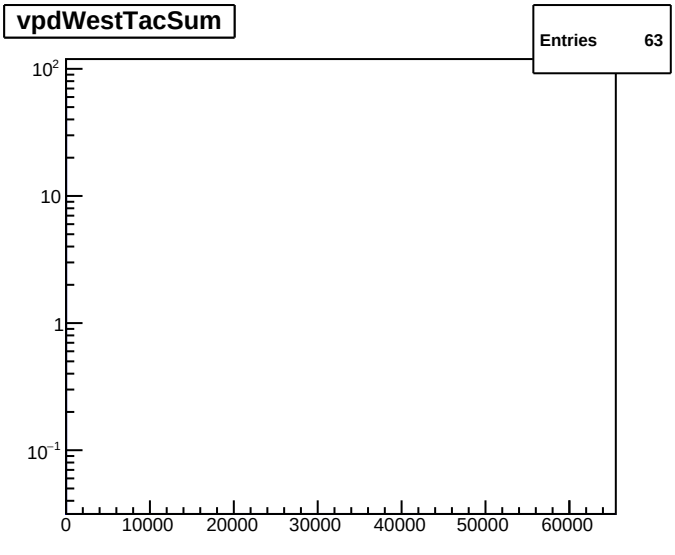

vpdEastTacSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0 10000 20000 30000 40000 50000 60000
Simu

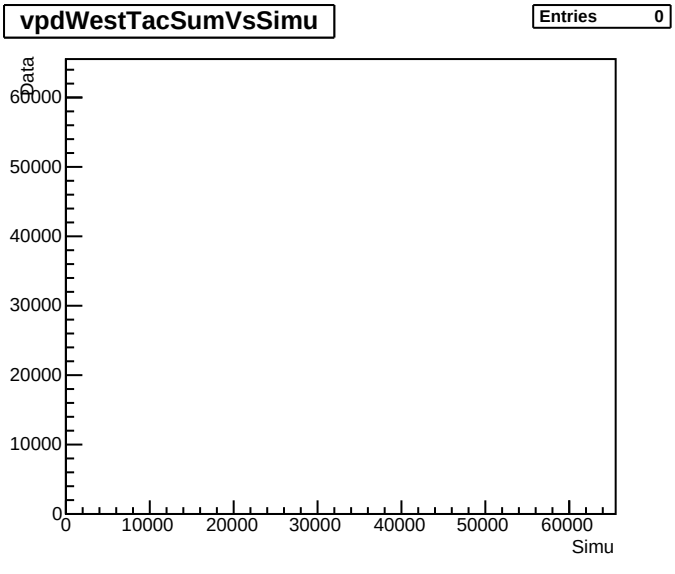

vpdWestAdcSum
Entries 63
10^2
10
1
10^{-1}
0 500 1000 1500 2000 2500 3000 3500 4000

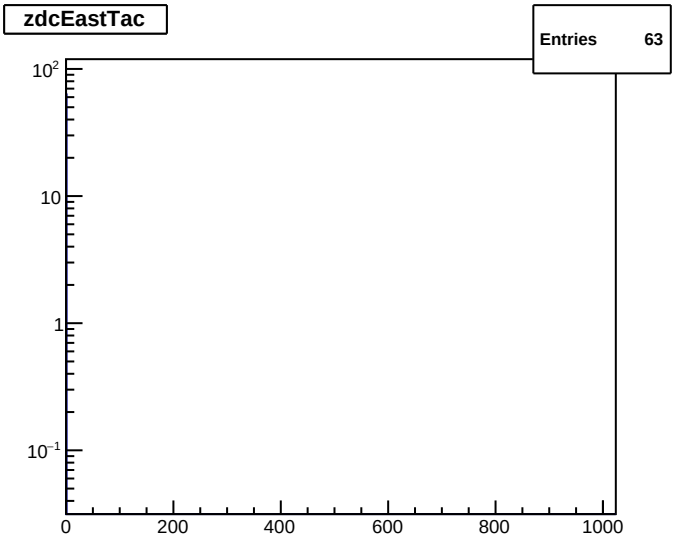

vpdWestAdcSumVsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

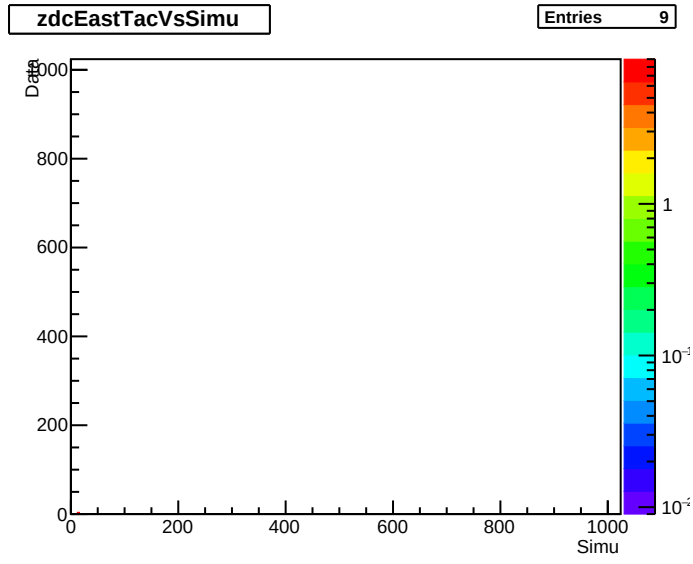

vpdWestNHits
Entries 63
10^2
10
1
10^{-1}
0 2 4 6 8 10 12 14 16

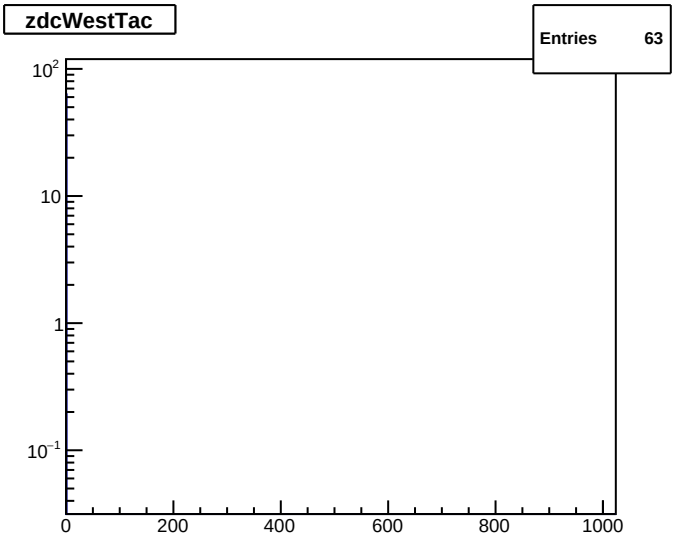

vpdWestNHitsVsSimu
Entries 0
16
14
12
10
8
6
4
2
0
0 2 4 6 8 10 12 14 16

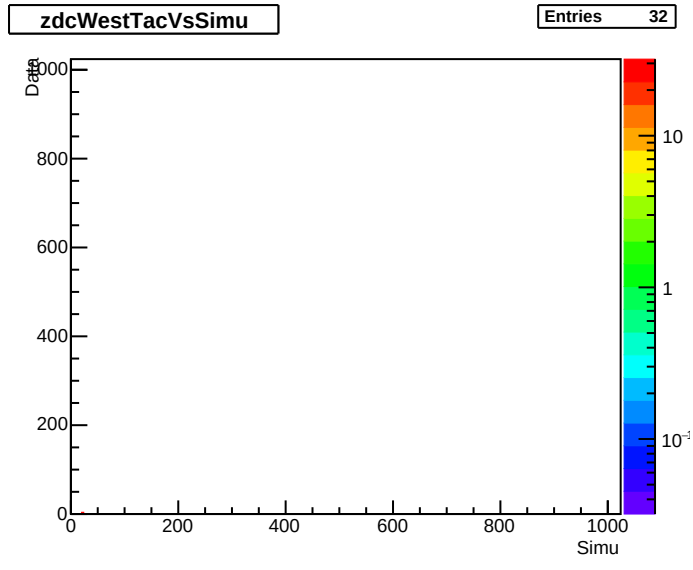

vpdWestTacSum
Entries 63
10^2
10
1
10^{-1}
0 10000 20000 30000 40000 50000 60000

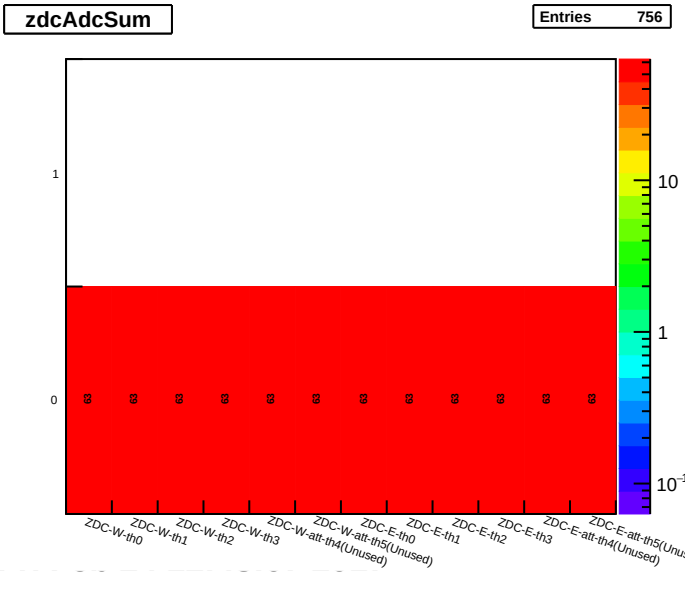

vpdWestTacSumVsSimu
Entries 0
Data
60000
50000
40000
30000
20000
10000
0
0 10000 20000 30000 40000 50000 60000
Simu

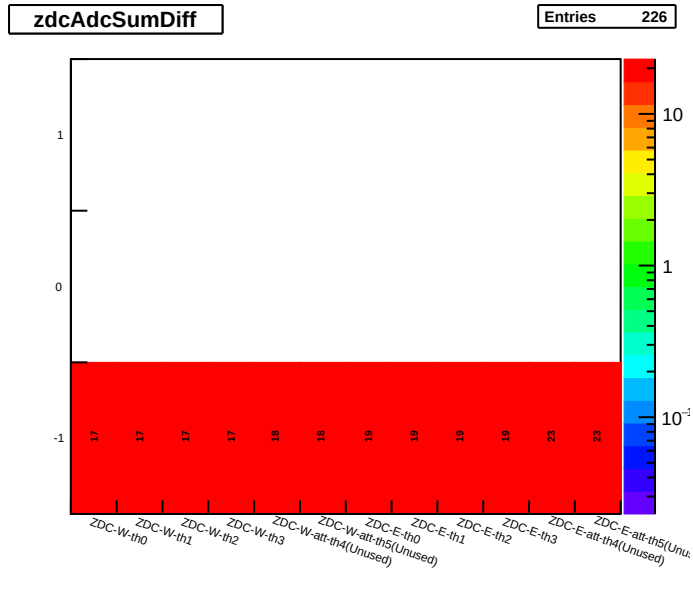

zdcEastTac
Entries 63

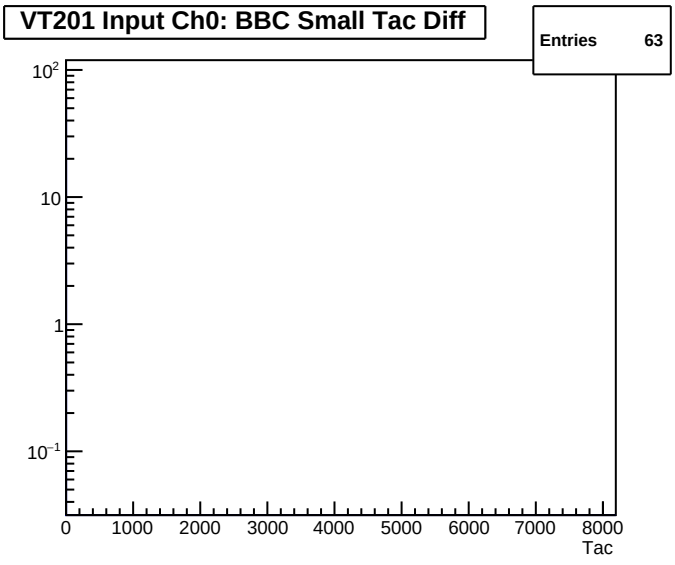

zdcEastTacVsSimu
Entries 9
Data
Simu

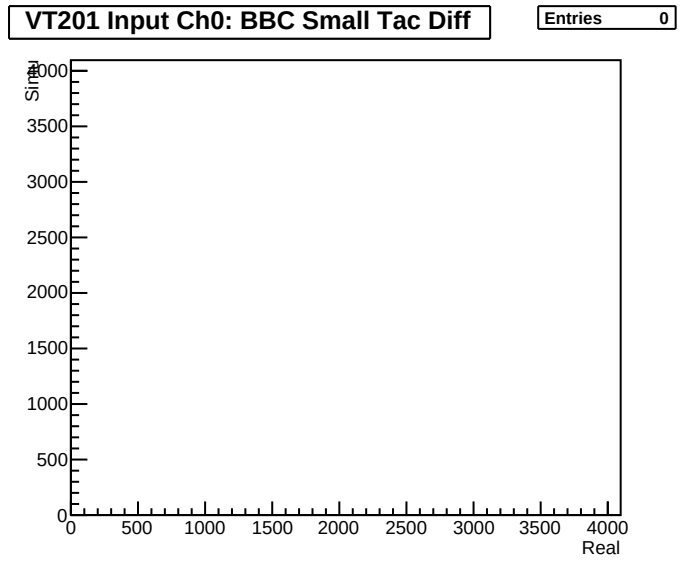

zdcWestTac
Entries 63

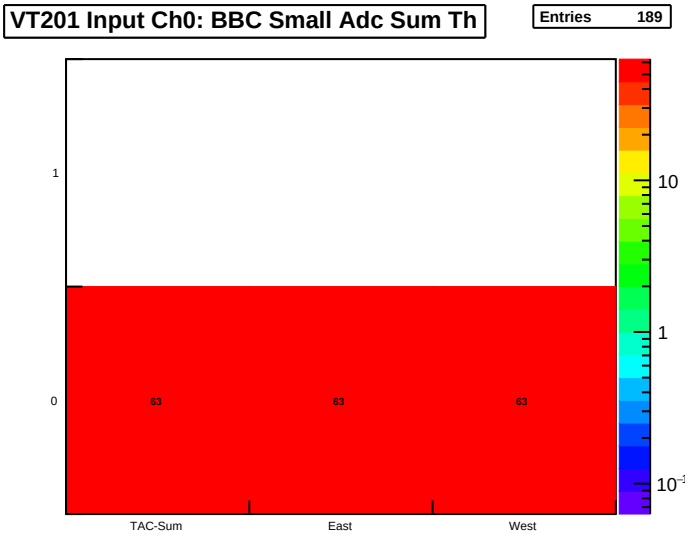

zdcWestTacVsSimu
Entries 32
Data
Simu

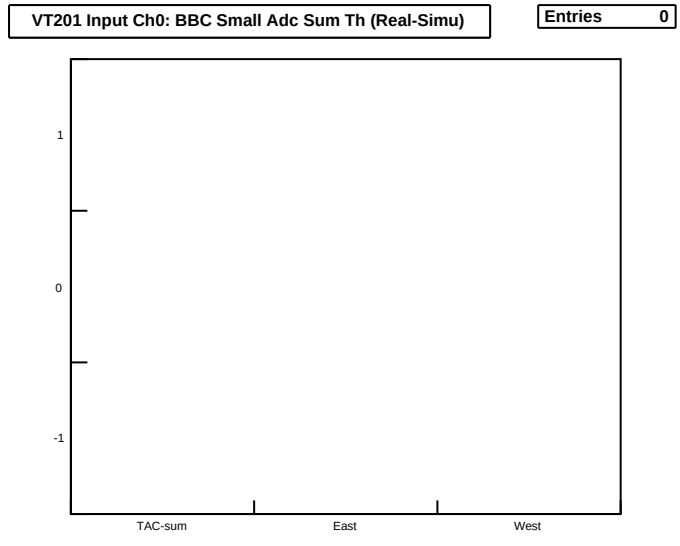

zdcAdcSum
Entries 756
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

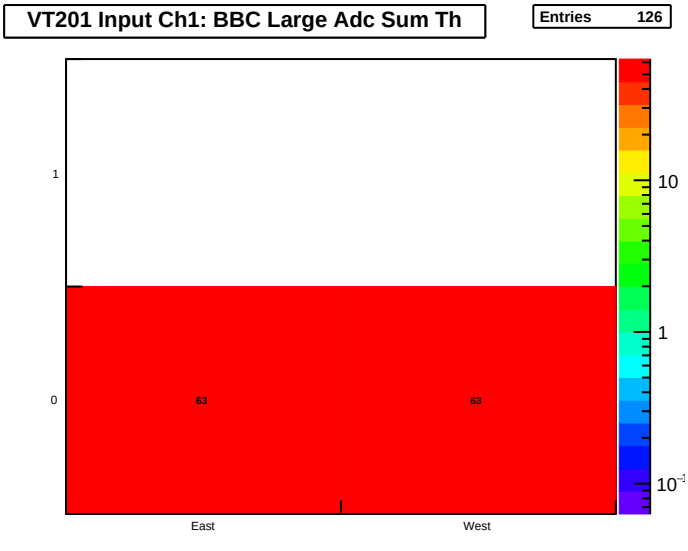

zdcAdcSumDiff
Entries 226
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

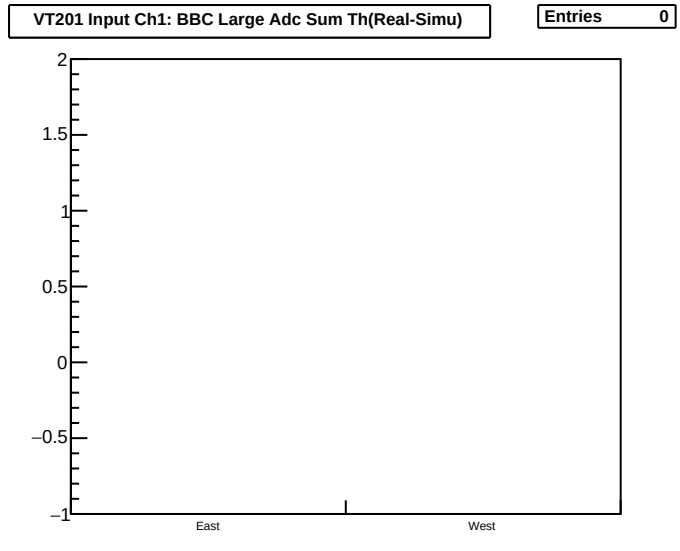

VT201 Input Ch0: BBC Small Tac Diff
Entries 63
Tac


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

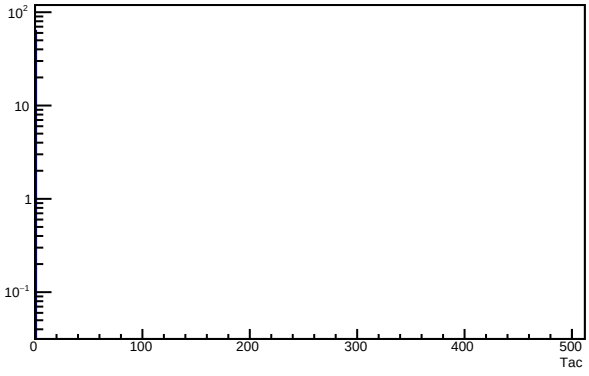

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 189
TAC-Sum
East
West


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

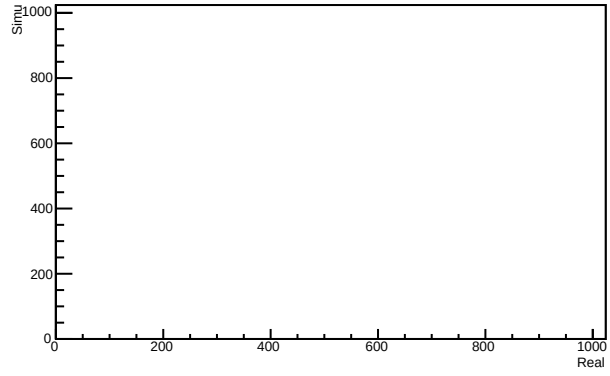

VT201 Input Ch1: BBC Large Adc Sum Th
Entries 126
East
West


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

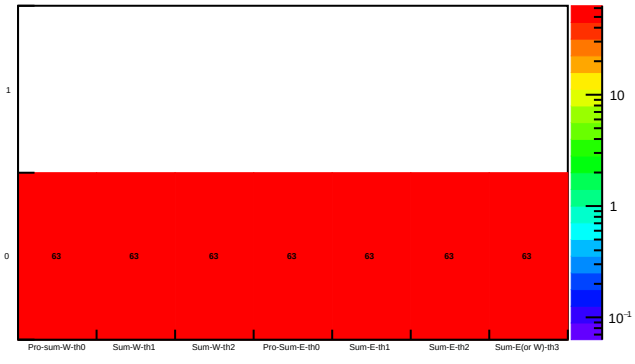
VT201 Input Ch2: ZDC Tac Diff



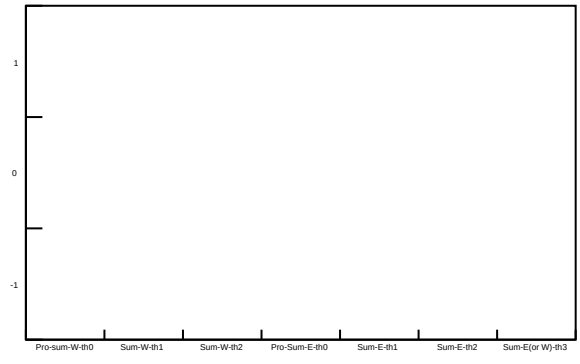
VT201 Input Ch2: ZDC Tac Diff



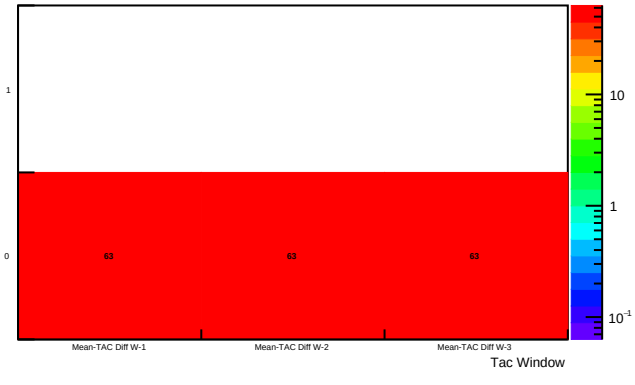
VT201 Input Ch2: ZDC Adc Sum Th



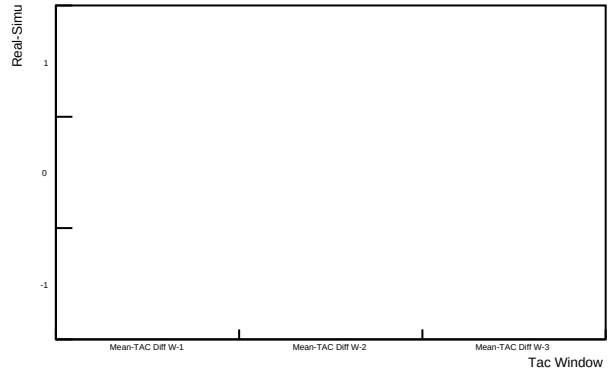
VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)



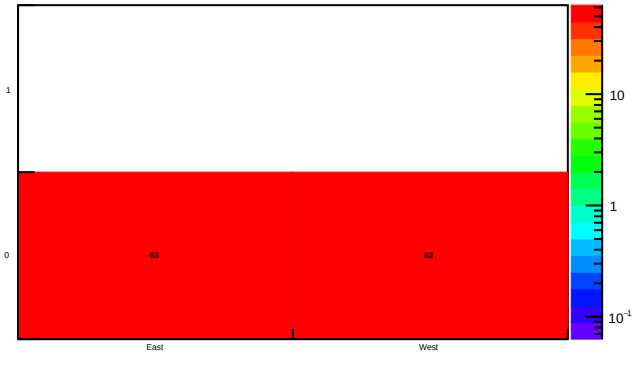
VT201 Input Ch4: VPD Tac Diff



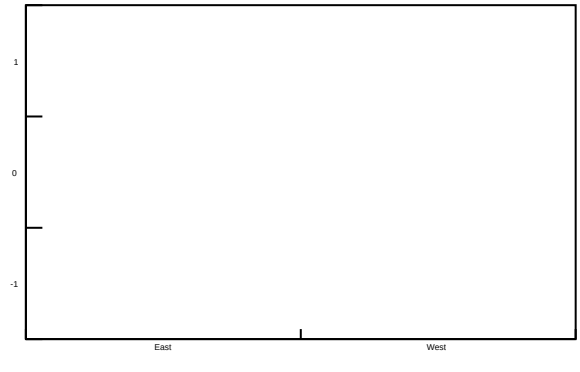
VT201 Input Ch4: VPD Tac Diff

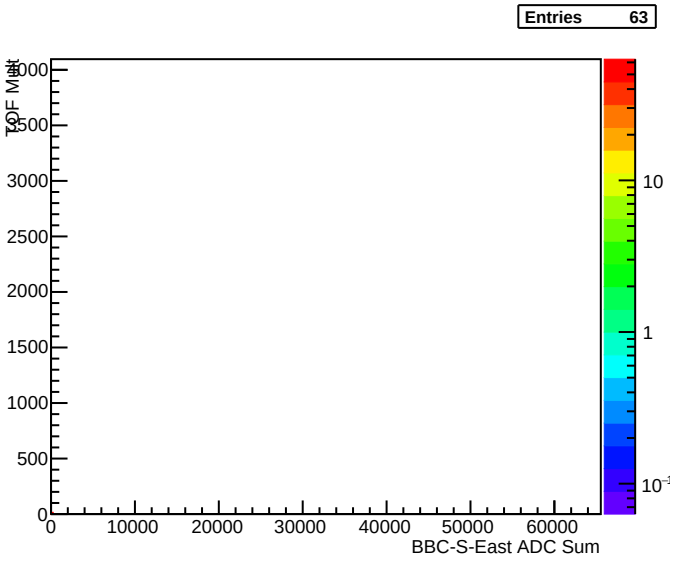


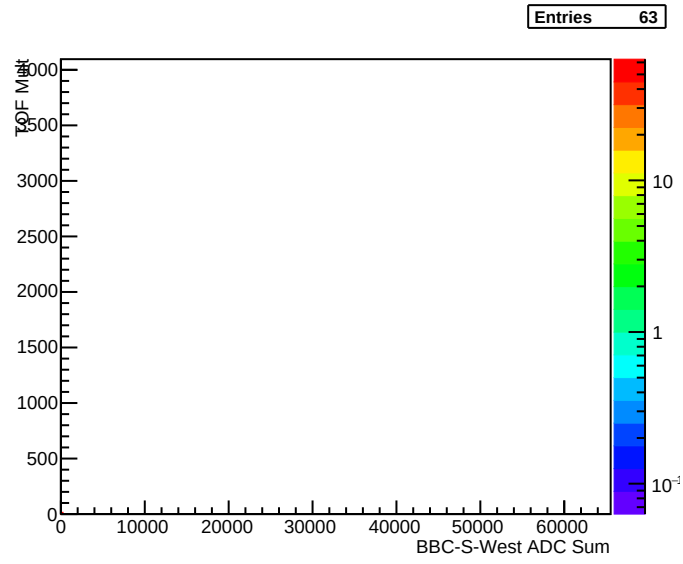
VT201 Input Ch4: VPD Adc Sum Th

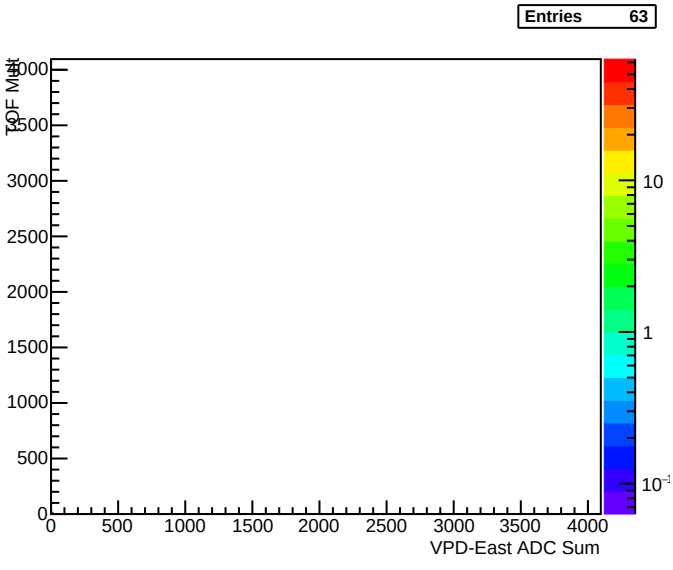


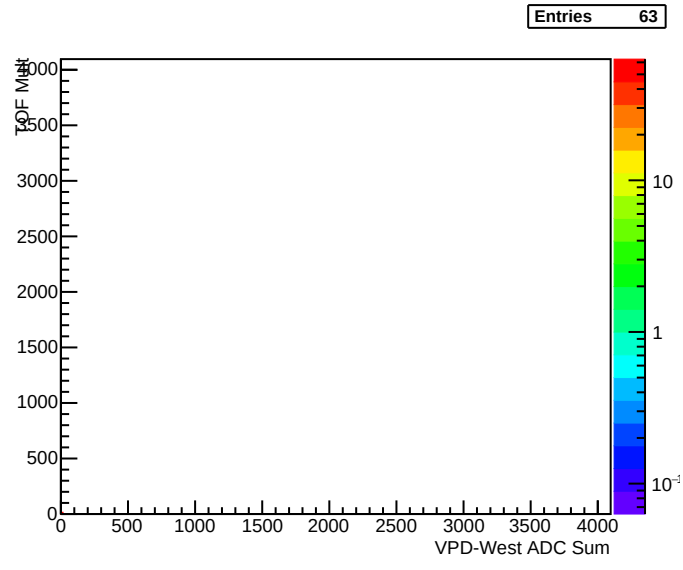
VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)

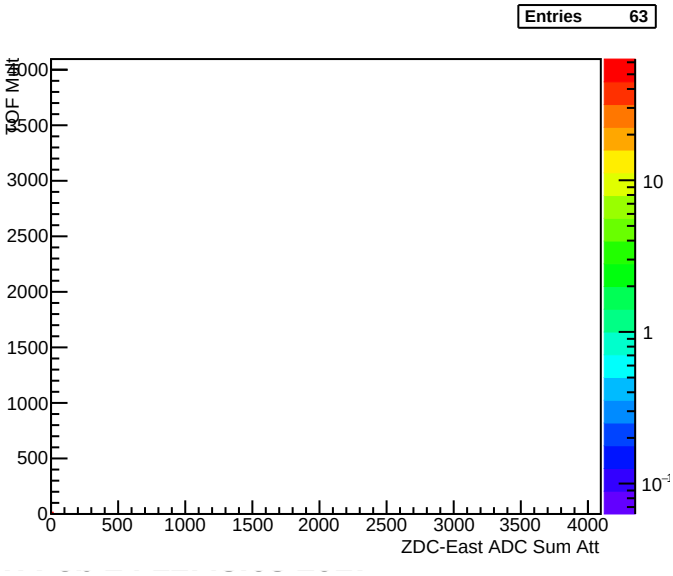


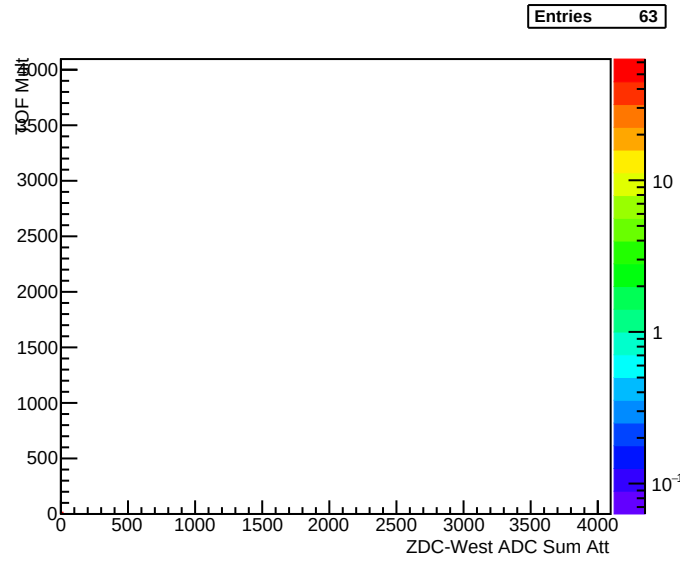

Entries 63
TOF Mult
BBC-S-East ADC Sum

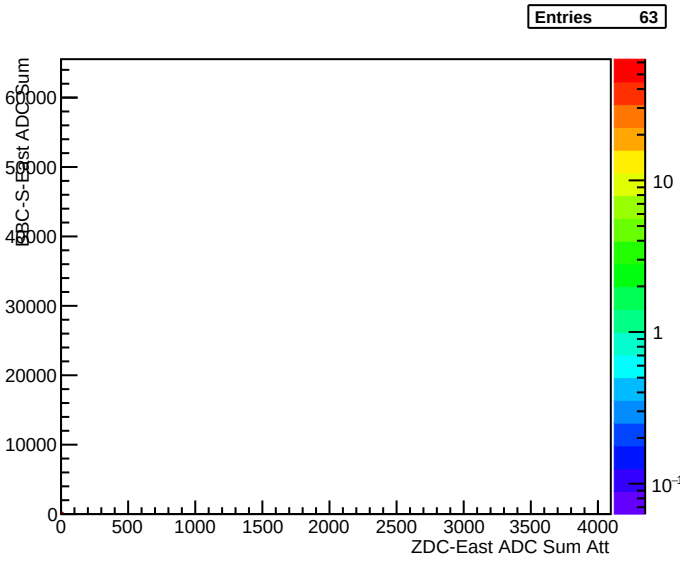

Entries 63
TOF Mult
BBC-S-West ADC Sum

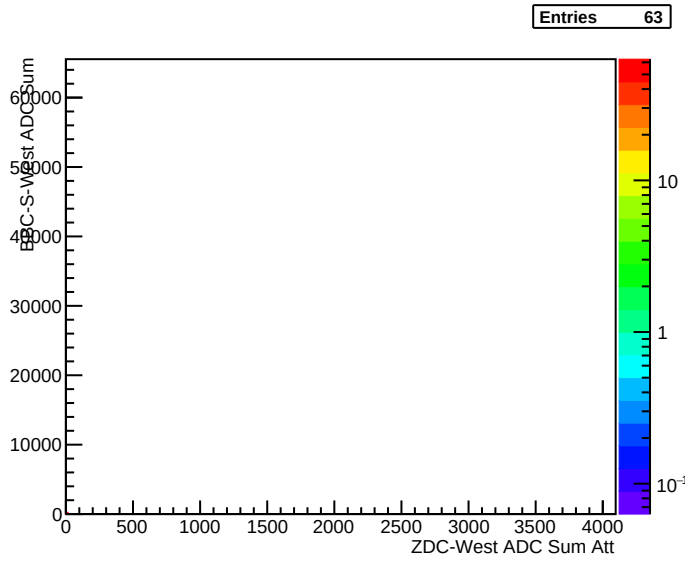

Entries 63
TOF Mult
VPD-East ADC Sum

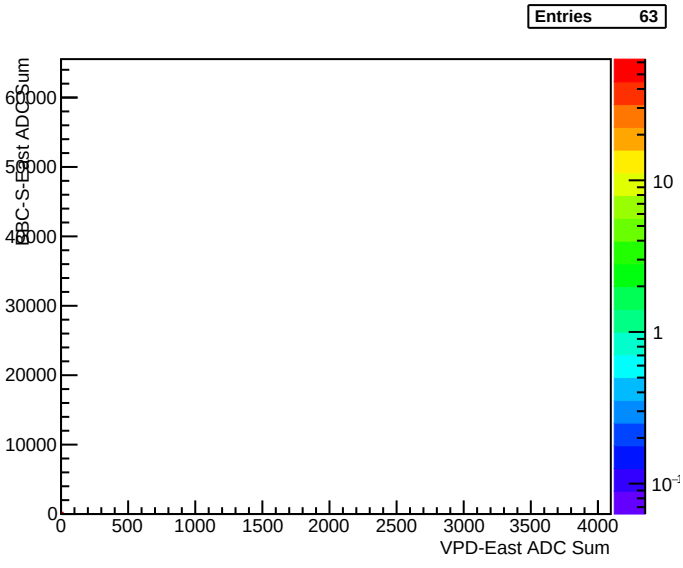

Entries 63
TOF Mult
VPD-West ADC Sum

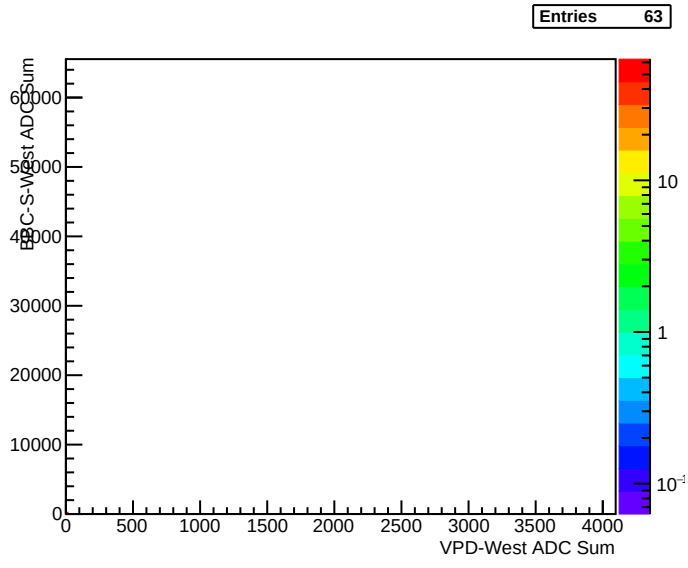

Entries 63
TOF Mult
ZDC-East ADC Sum Att

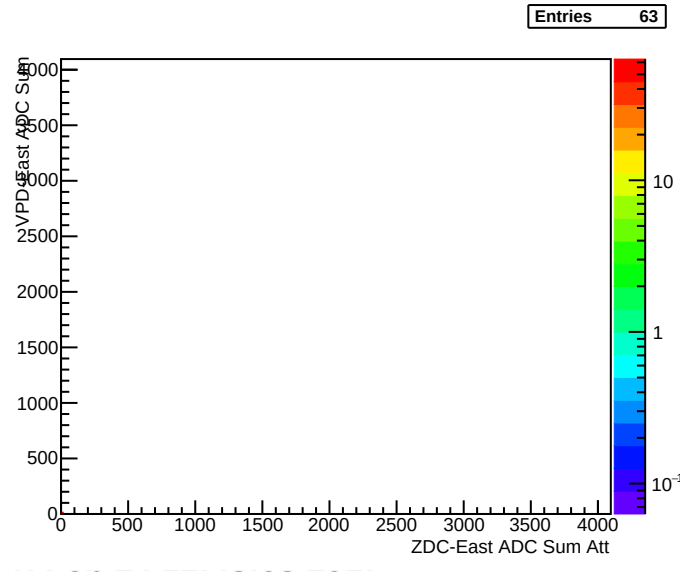

Entries 63
TOF Mult
ZDC-West ADC Sum Att

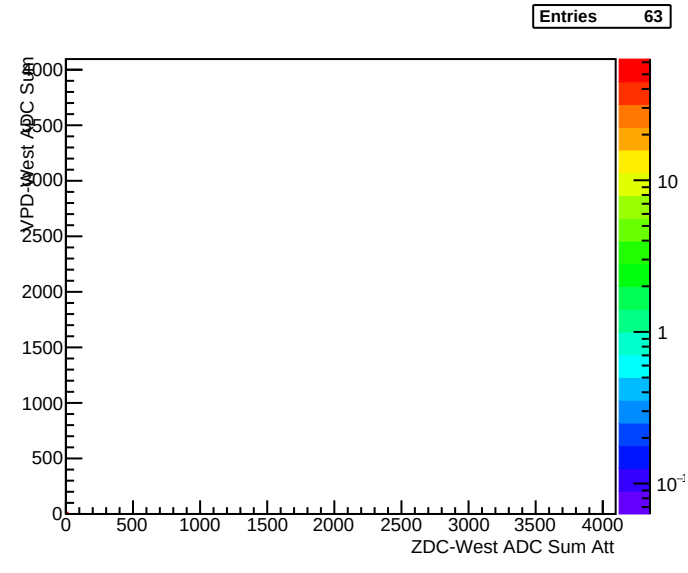

Entries 63
BBC-S-East ADC Sum
ZDC-East ADC Sum Att

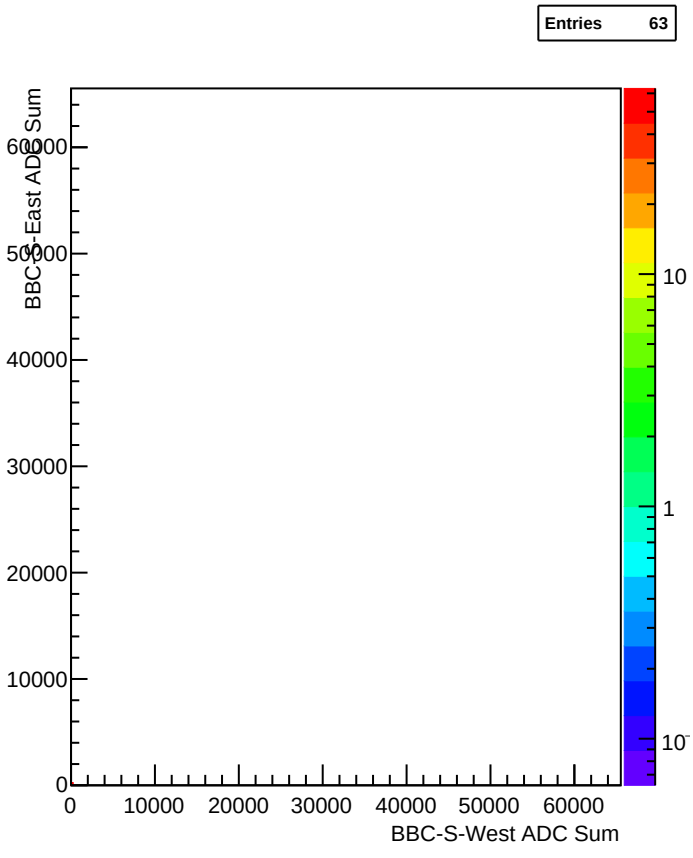

Entries 63
BBC-S-West ADC Sum
ZDC-West ADC Sum Att

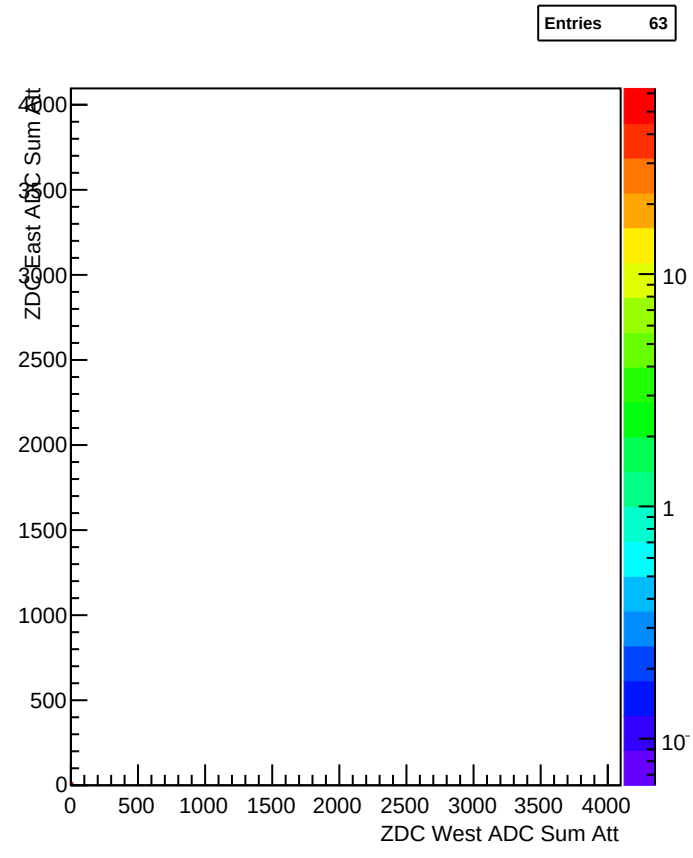

Entries 63
BBC-S-East ADC Sum
VPD-East ADC Sum

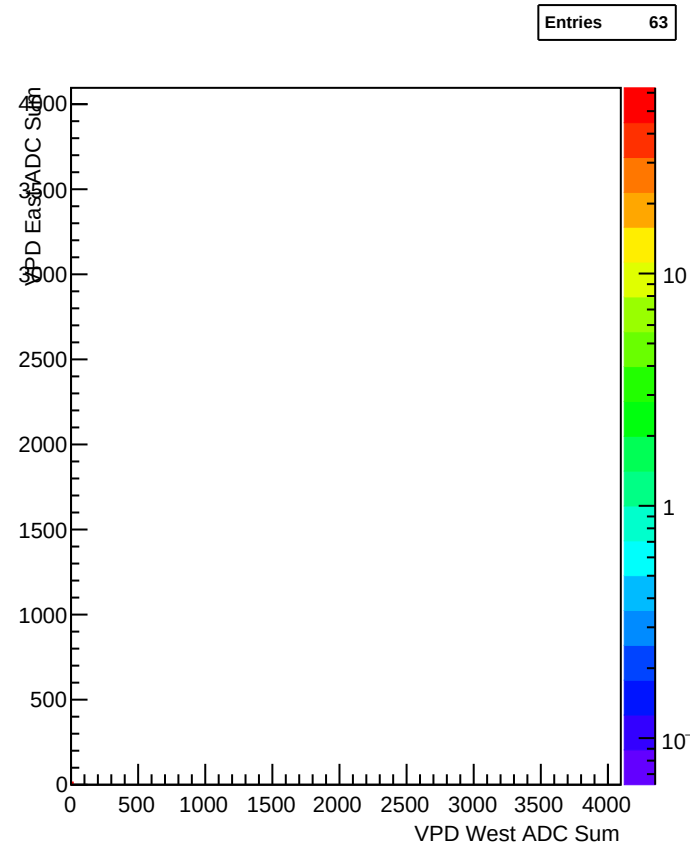

Entries 63
BBC-S-West ADC Sum
VPD-West ADC Sum

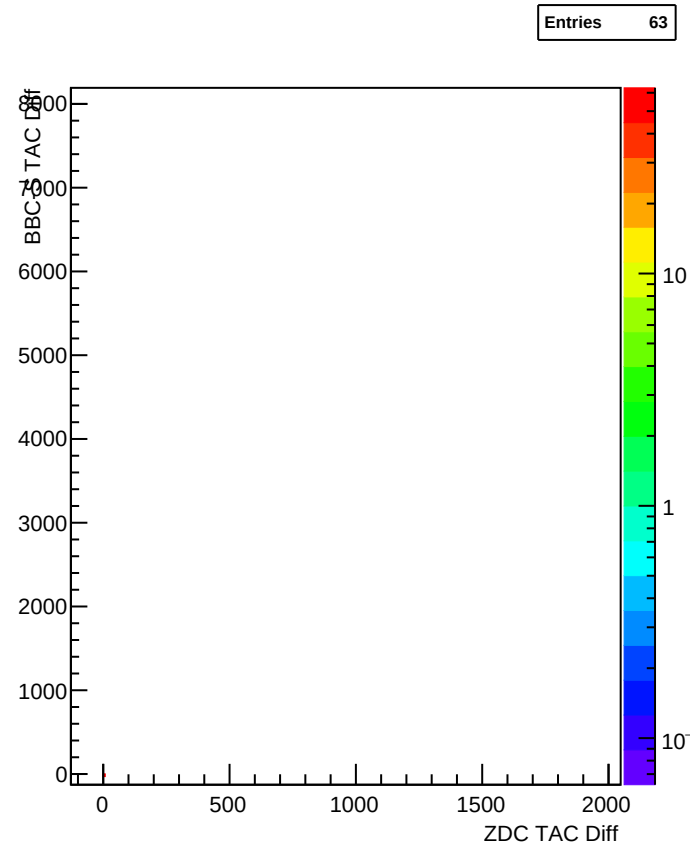

Entries 63
VPD-East ADC Sum
ZDC-East ADC Sum Att

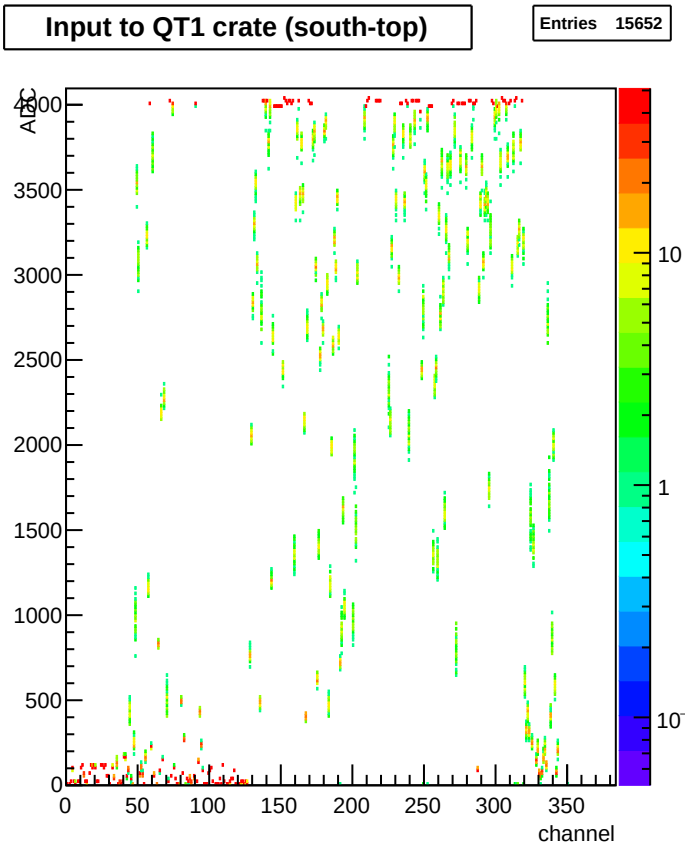

Entries 63
VPD-West ADC Sum
ZDC-West ADC Sum Att

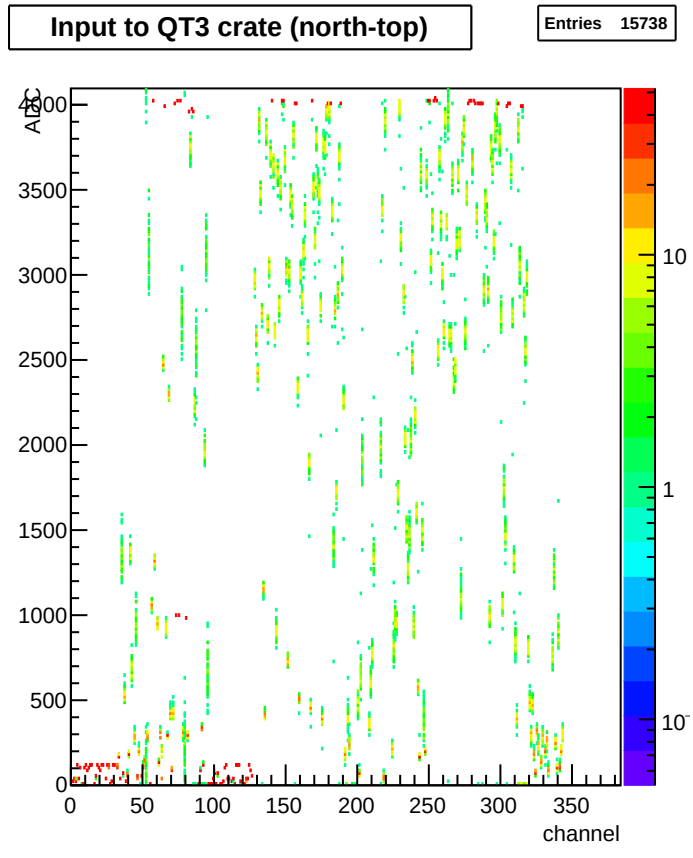

Entries 63
BBC-S-East ADC Sum
BBC-S-West ADC Sum
0
10000
20000
30000
40000
50000
60000
1
10

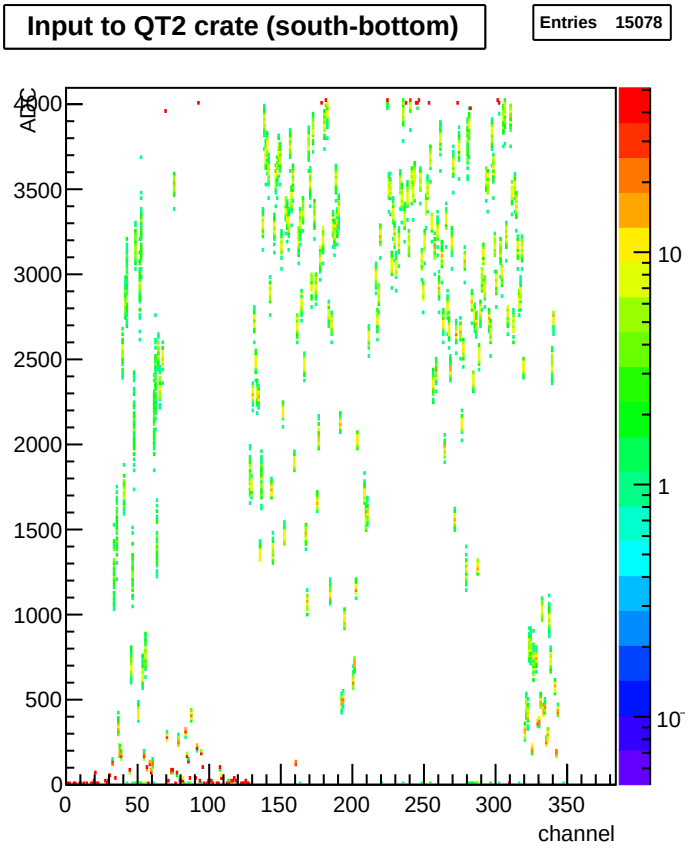

Entries 63
ZDC East ADC Sum Att
ZDC West ADC Sum Att
0
500
1000
1500
2000
2500
3000
3500
4000
1
10

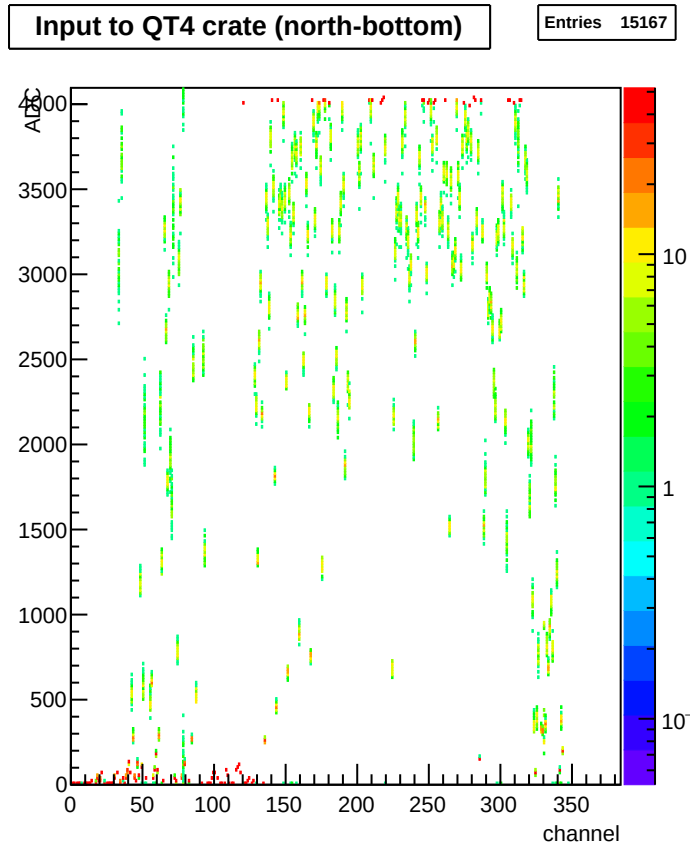

Entries 63
VPD East ADC Sum
VPD West ADC Sum
0
500
1000
1500
2000
2500
3000
3500
4000
1
10

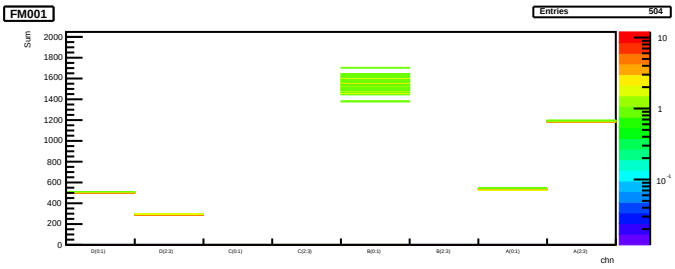

Entries 63
BBC-S TAC Diff
ZDC TAC Diff
0
500
1000
1500
2000
3000
4000
5000
6000
7000
8000
1
10

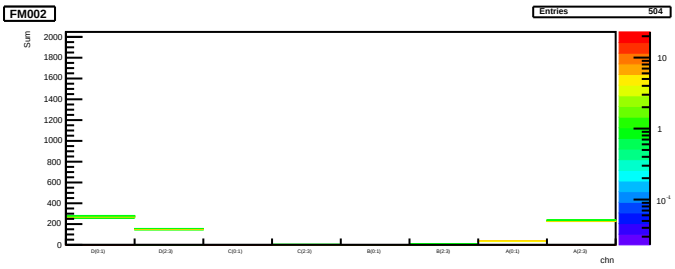

Input to QT1 crate (south-top)
Entries 15652
ADC
channel

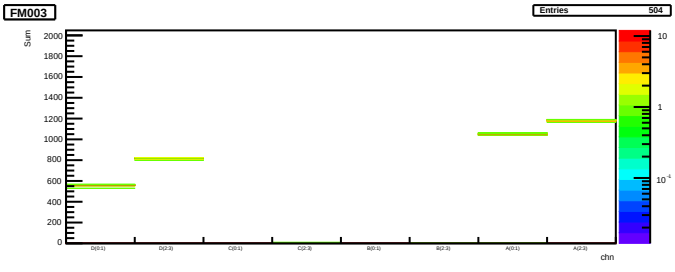

Input to QT3 crate (north-top)
Entries 15738
ADC
channel

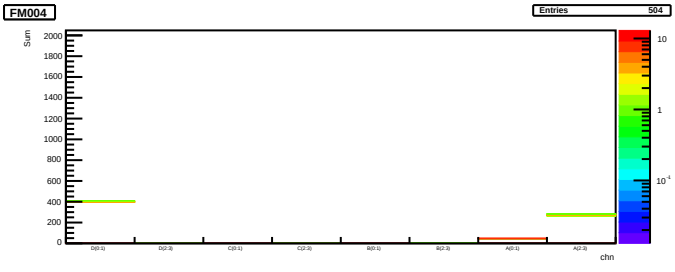

Input to QT2 crate (south-bottom)
Entries 15078
ADC
channel

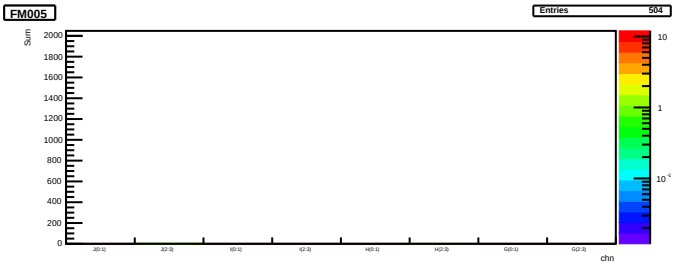

Input to QT4 crate (north-bottom)
Entries 15167
ADC
channel

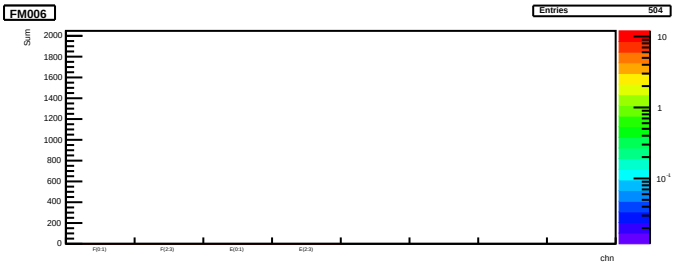

FM001
Entries 504
Sum
chn

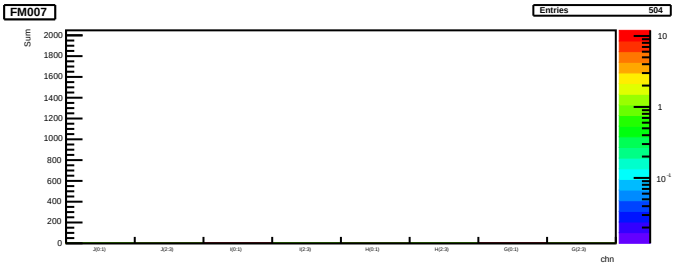

FM002
Entries 504
Sum
chn

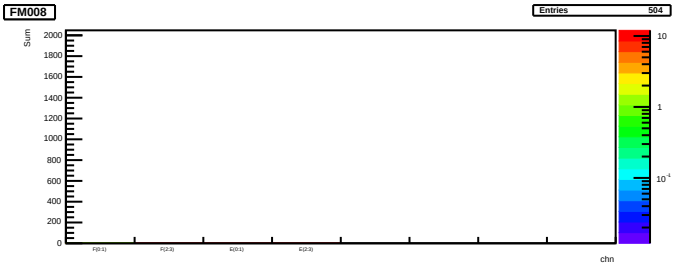

FM003
Entries 504
Sum
chn

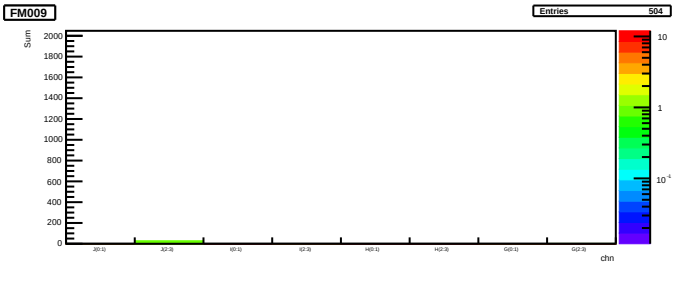

FM004
Entries 504
Sum
chn

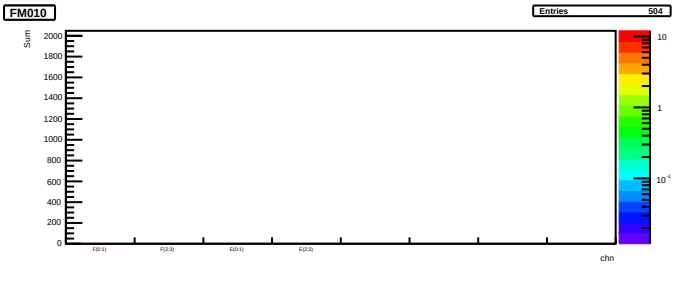

FM005
Entries 504
Sum
chn

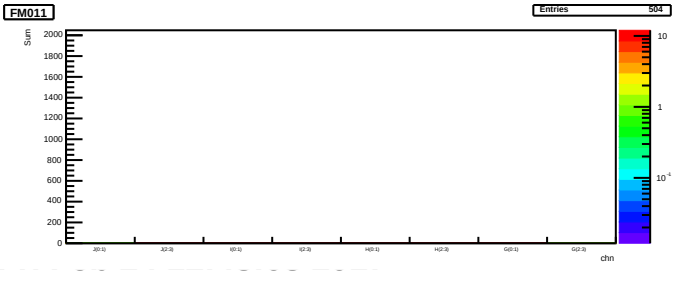

FM006
Entries 504
Sum
chn

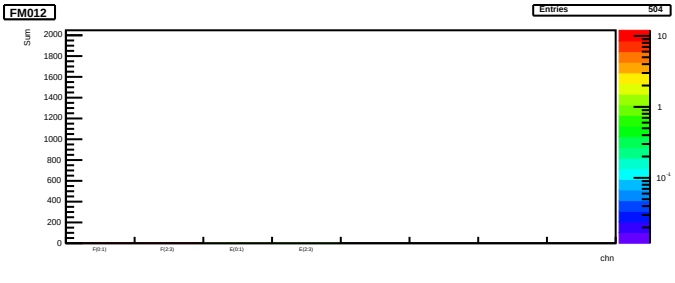

FM007
Entries 504
Sum
chn

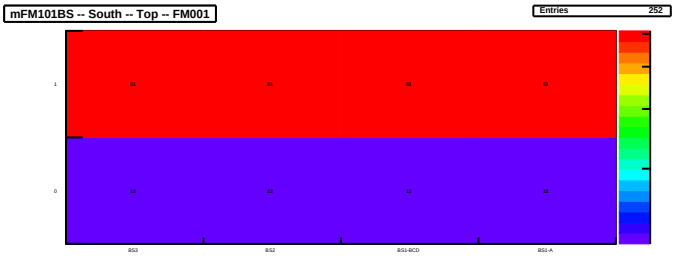

FM008
Entries 504
Sum
chn

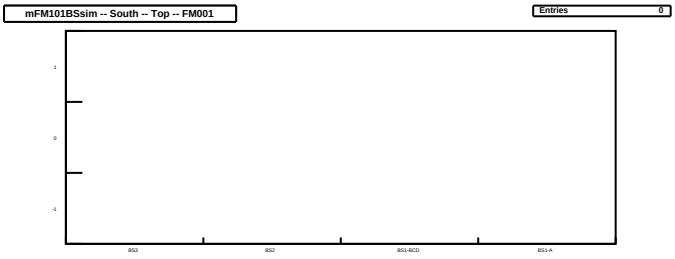

FM009
Entries 504
Sum
chn

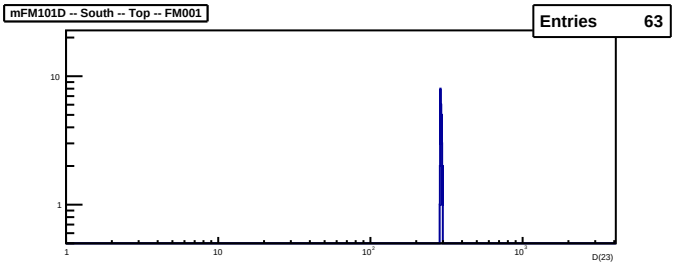

FM010
Entries 504
Sum
chn

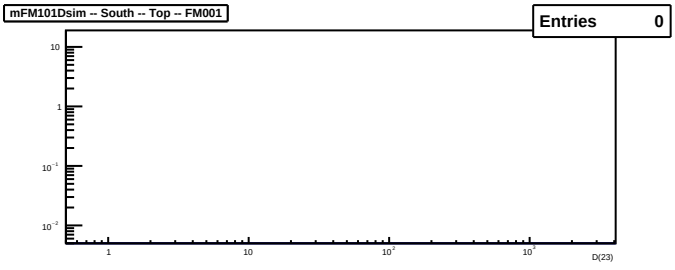

FM011
Entries 504
Sum
chn

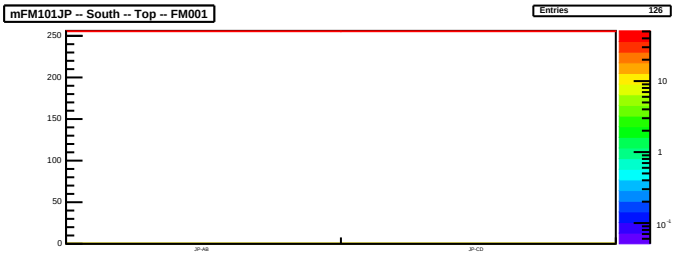

FM012
Entries 504
Sum
chn


mFM101BS -- South -- Top -- FM001
Entries 252
S1
L2
BS3
BS2
BS1-BCD
BS1-A

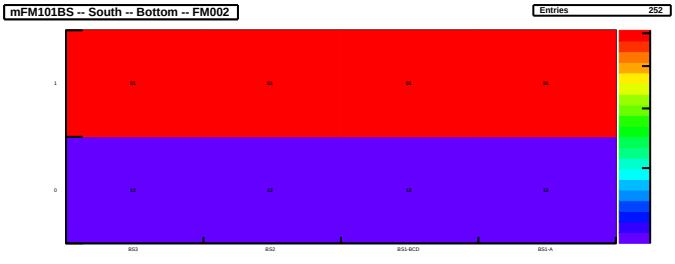

mFM101BSsim -- South -- Top -- FM001
Entries 0
BS3
BS2
BS1-BCD
BS1-A

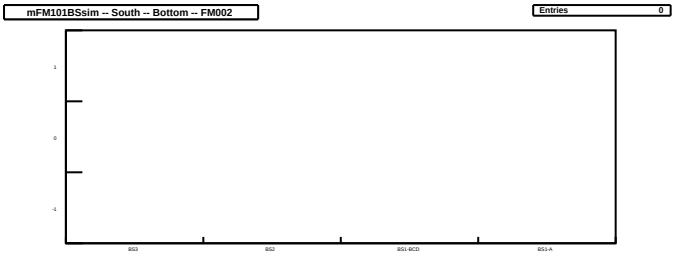

mFM101D -- South -- Top -- FM001
Entries 63
D(23)

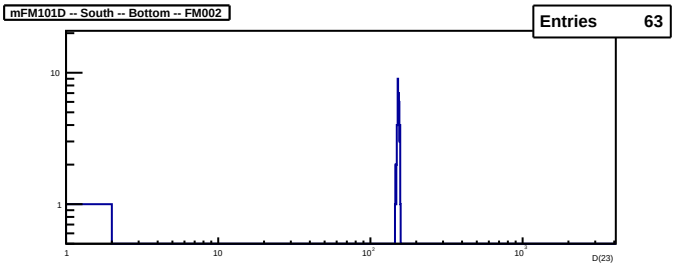

mFM101Dsim -- South -- Top -- FM001
Entries 0
D(23)

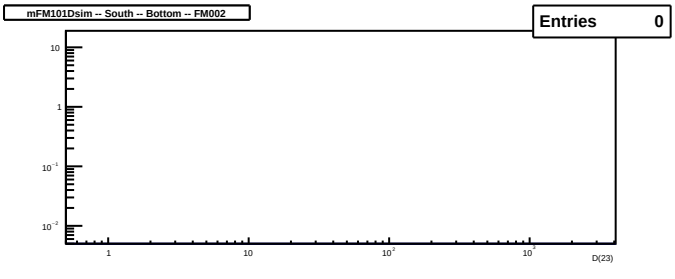

mFM101JP -- South -- Top -- FM001
Entries 126
JP-AB
JP-CD

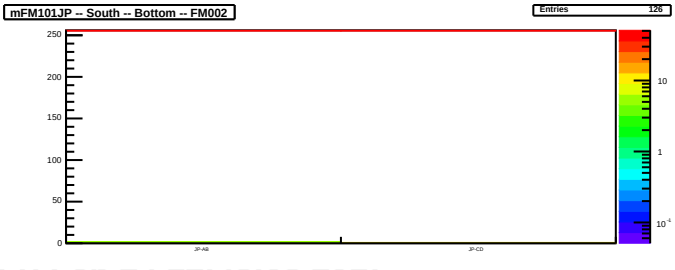
mFM101JPsim -- South -- Top -- FM001
Entries 0
JP-AB
JP-CD

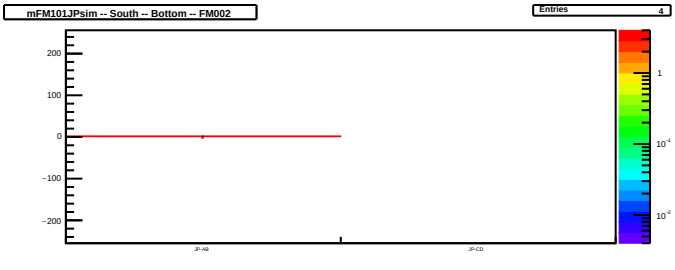

mFM101BS -- South -- Bottom -- FM002
Entries 252
S1
L2
BS3
BS2
BS1-BCD
BS1-A

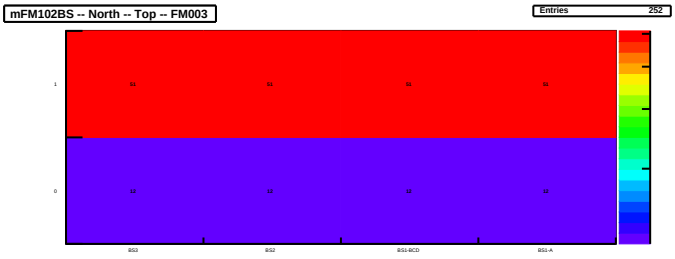

mFM101BSsim -- South -- Bottom -- FM002
Entries 0
BS3
BS2
BS1-BCD
BS1-A


mFM101D -- South -- Bottom -- FM002
Entries 63
D(23)

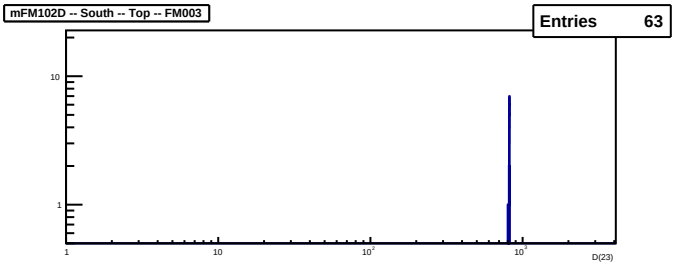

mFM101Dsim -- South -- Bottom -- FM002
Entries 0
D(23)

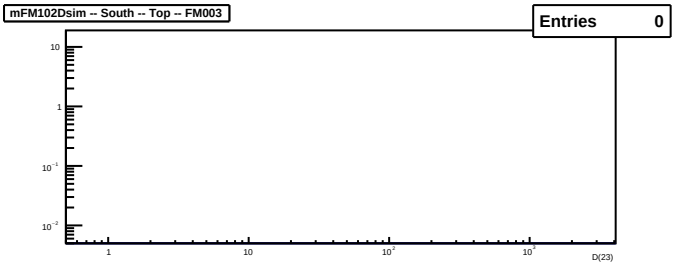

mFM101JP -- South -- Bottom -- FM002
Entries 126
JP-AB
JP-CD

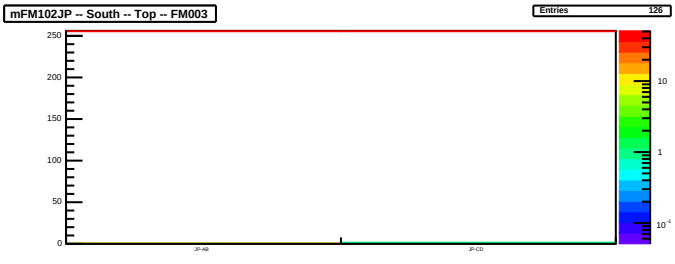

mFM101JPsim -- South -- Bottom -- FM002
Entries 4
JP-AB
JP-CD


mFM102BS -- North -- Top -- FM003
Entries 252

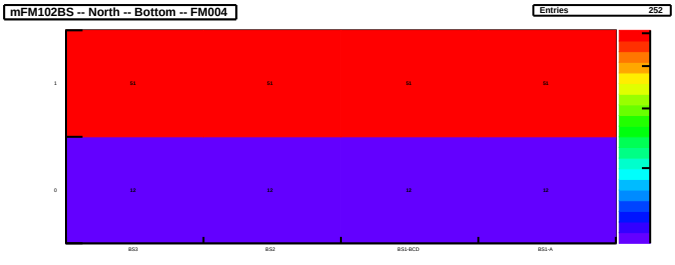
mFM102BSsim -- North -- Top -- FM003
Entries 0


mFM102D -- South -- Top -- FM003
Entries 63
D(23)

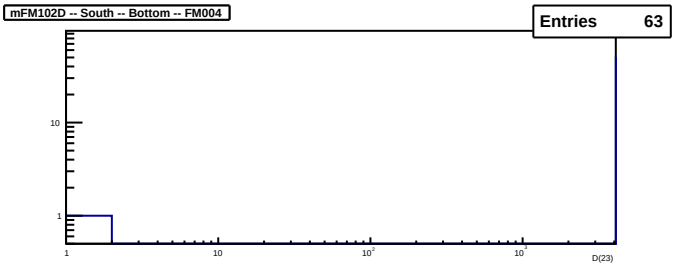

mFM102Dsim -- South -- Top -- FM003
Entries 0
D(23)

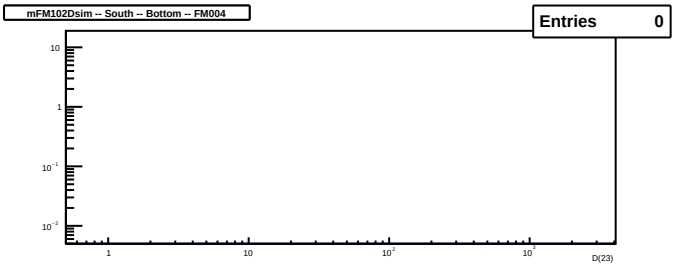

mFM102JP -- South -- Top -- FM003
Entries 126

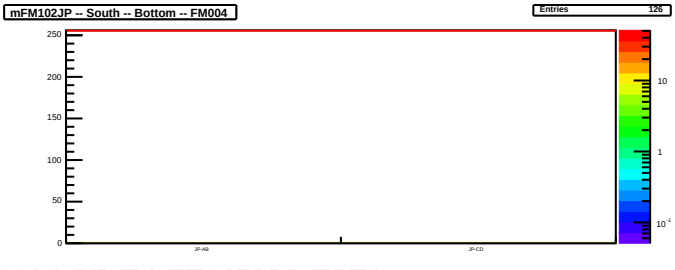
mFM102JPsim -- South -- Top -- FM003
Entries 0

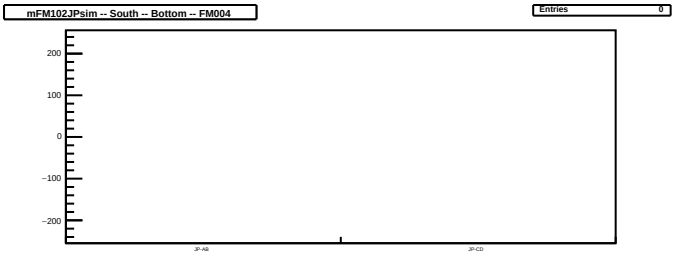

mFM102BS -- North -- Bottom -- FM004
Entries 252

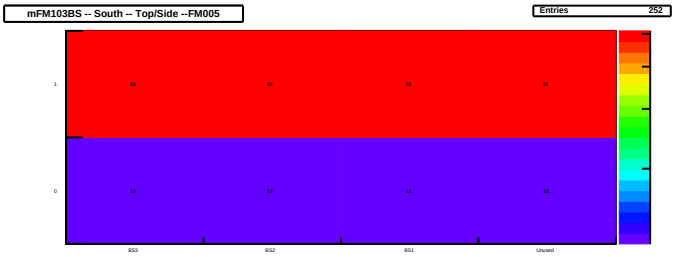
mFM102BSsim -- North -- Bottom -- FM004
Entries 0

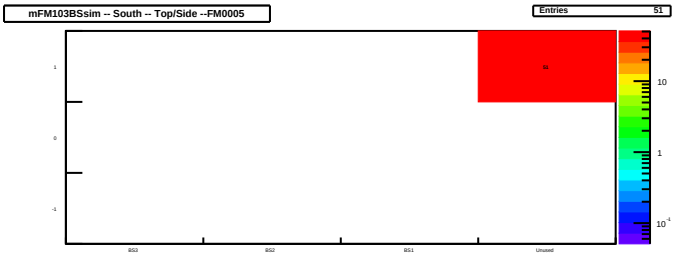

mFM102D -- South -- Bottom -- FM004
Entries 63
D(23)

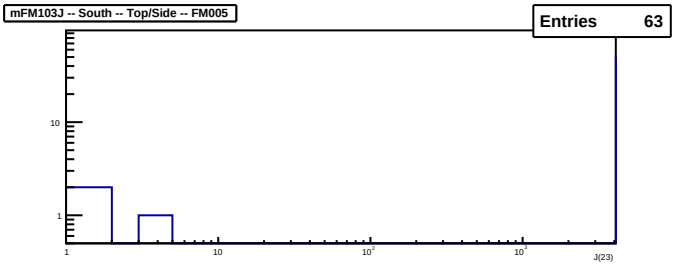

mFM102Dsim -- South -- Bottom -- FM004
Entries 0
D(23)

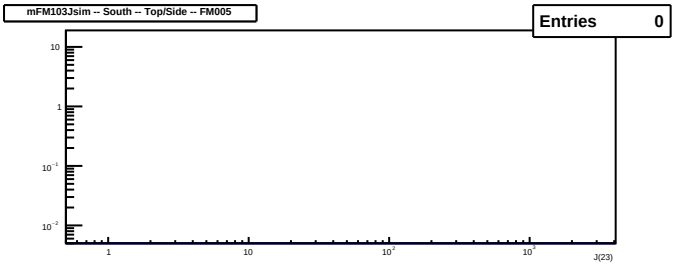

mFM102JP -- South -- Bottom -- FM004
Entries 126

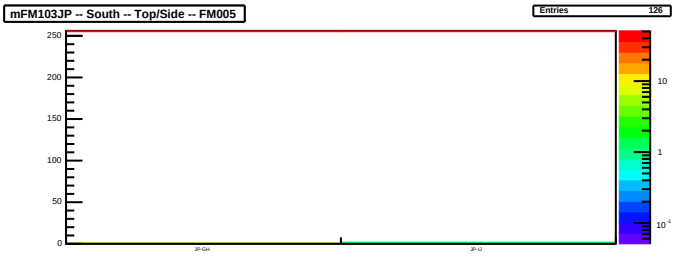

mFM102JPsim -- South -- Bottom -- FM004
Entries 0

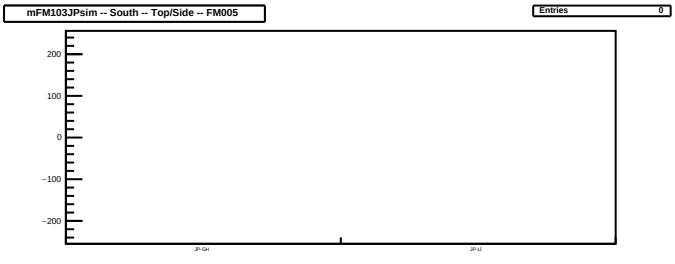

mFM103BS -- South -- Top/Side --FM005
Entries 252

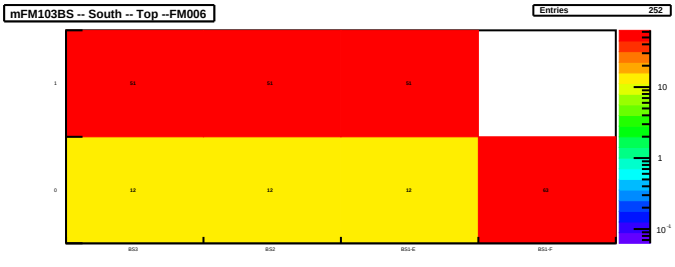

mFM103BSsim -- South -- Top/Side --FM0005
Entries 51

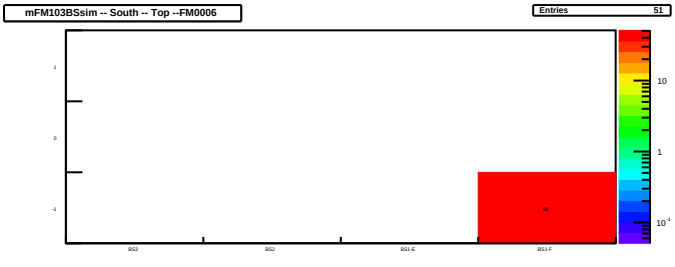

mFM103J -- South -- Top/Side -- FM005
Entries 63
J(23)

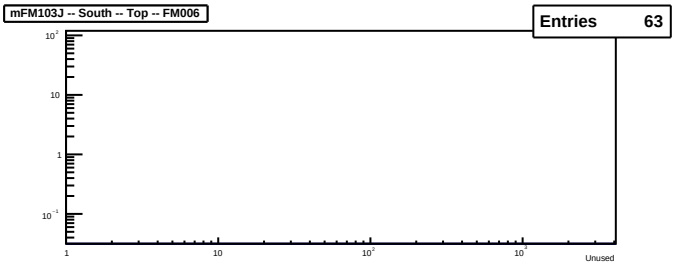

mFM103Jsim -- South -- Top/Side -- FM005
Entries 0
J(23)

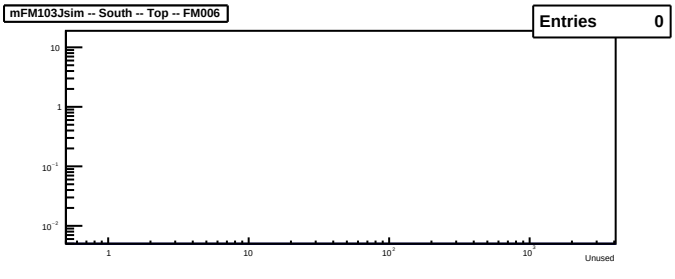

mFM103JP -- South -- Top/Side -- FM005
Entries 126

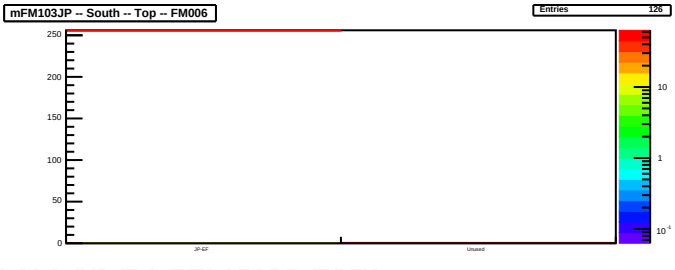

mFM103JPsim -- South -- Top/Side -- FM005
Entries 0

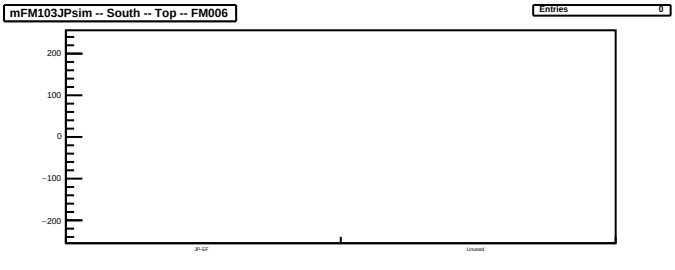

mFM103BS -- South -- Top --FM006
Entries 252

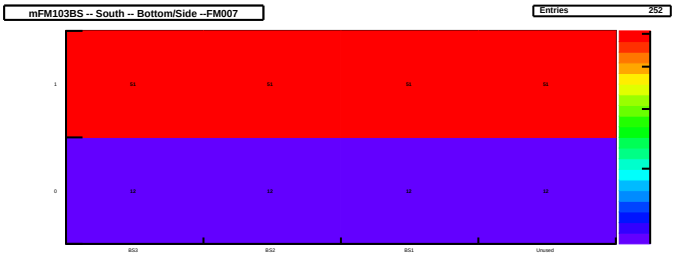

mFM103BSsim -- South -- Top --FM0006
Entries 51

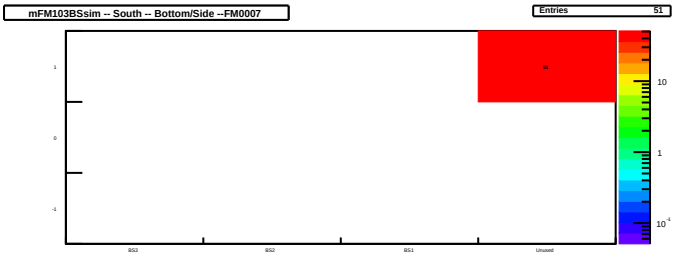

mFM103J -- South -- Top -- FM006
Entries 63
Unused

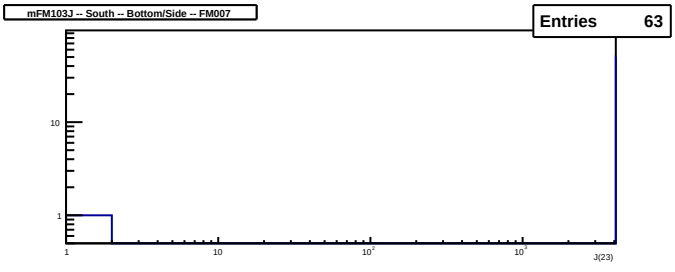

mFM103Jsim -- South -- Top -- FM006
Entries 0
Unused

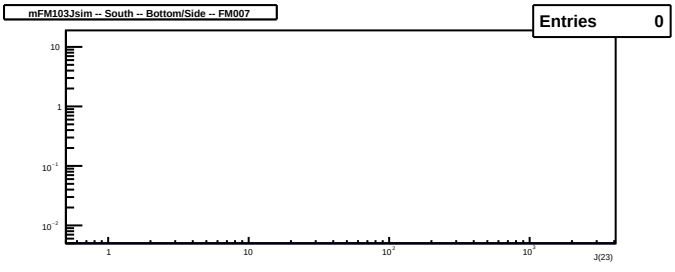

mFM103JP -- South -- Top -- FM006
Entries 126

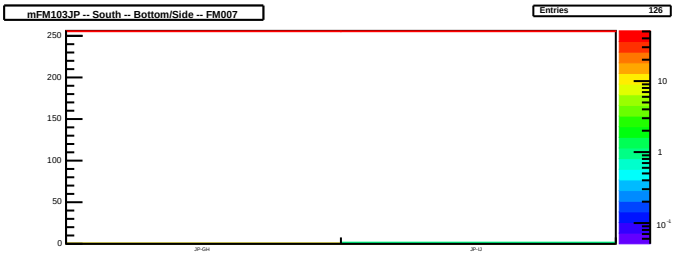

mFM103JPsim -- South -- Top -- FM006
Entries 0

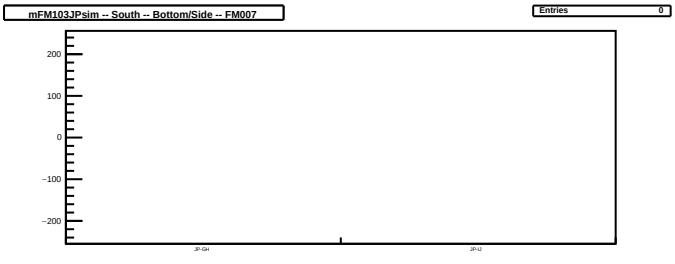

mFM103BS -- South -- Bottom/Side --FM007
Entries 252
BS3
BS2
BS1
Unused


mFM103BSsim -- South -- Bottom/Side --FM0007
Entries 51
BS3
BS2
BS1
Unused

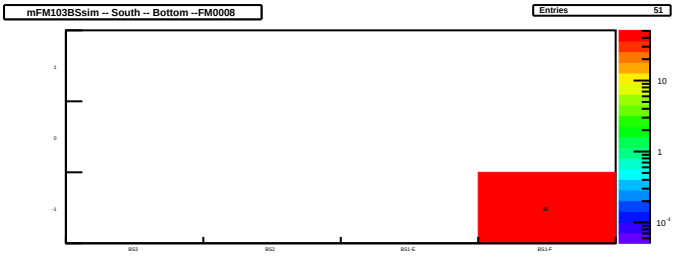

mFM103J -- South -- Bottom/Side -- FM007
Entries 63
J(23)

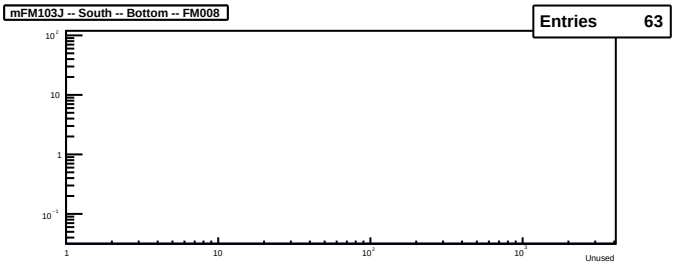

mFM103Jsim -- South -- Bottom/Side -- FM007
Entries 0
J(23)

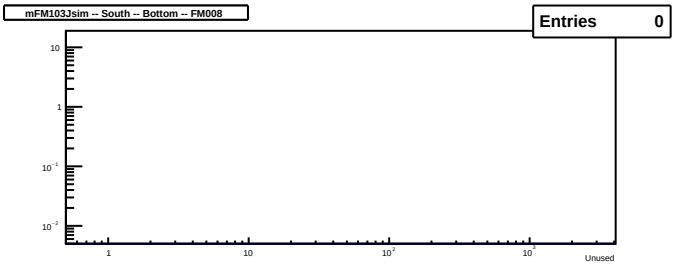

mFM103JP -- South -- Bottom/Side -- FM007
Entries 126
JP-GH
JP-IJ

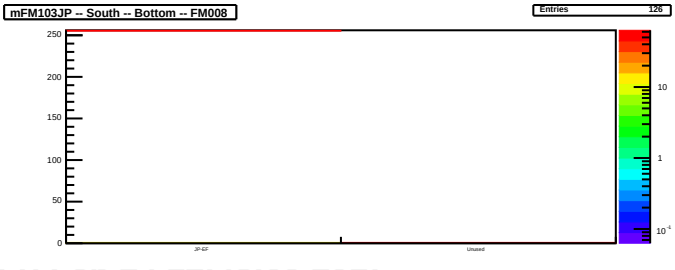

mFM103JPsim -- South -- Bottom/Side -- FM007
Entries 0
JP-GH
JP-IJ

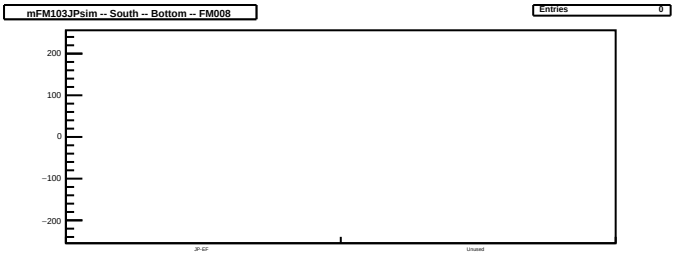
mFM103BS -- South -- Bottom --FM008
Entries 252
BS3
BS2
BS1-E
BS1-F

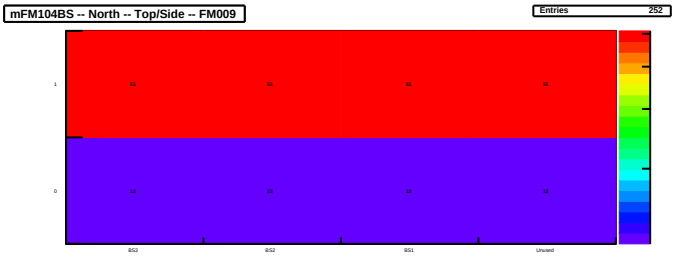

mFM103BSsim -- South -- Bottom --FM0008
Entries 51
BS3
BS2
BS1-E
BS1-F

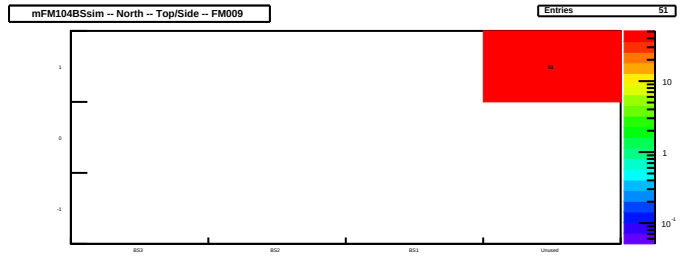

mFM103J -- South -- Bottom -- FM008
Entries 63
Unused

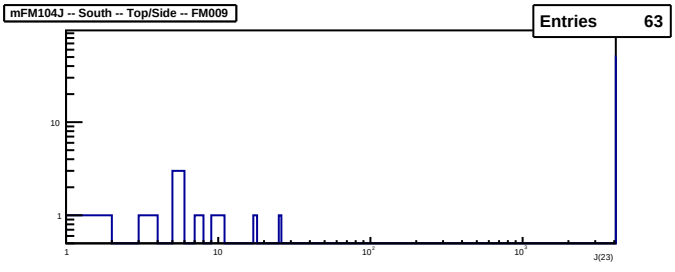

mFM103Jsim -- South -- Bottom -- FM008
Entries 0
Unused

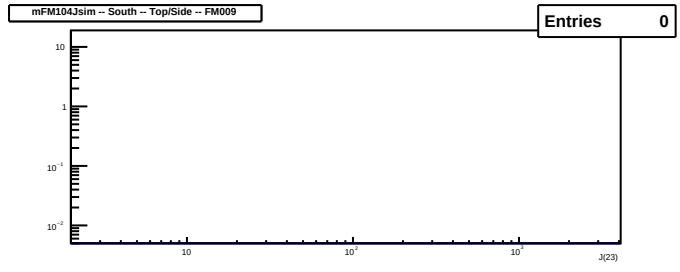

mFM103JP -- South -- Bottom -- FM008
Entries 126
JP-EF
Unused

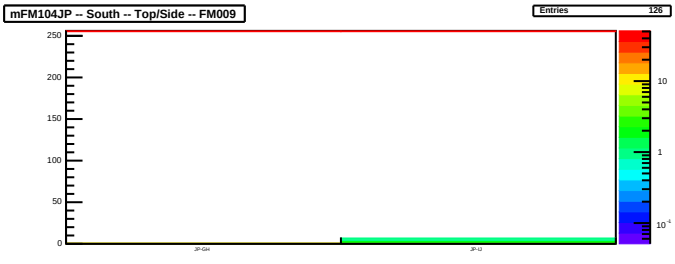

mFM103JPsim -- South -- Bottom -- FM008
Entries 0
JP-EF
Unused

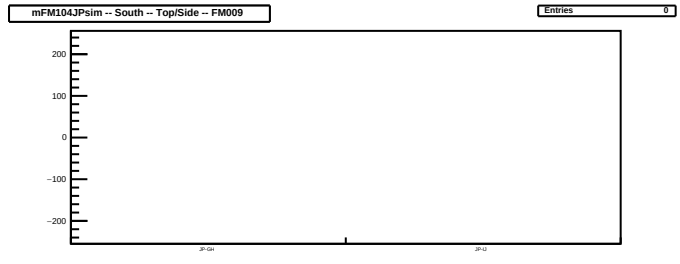

mFM104BS -- North -- Top/Side -- FM009
Entries 252
S1
L2
BS3
BS2
BS1
Unused

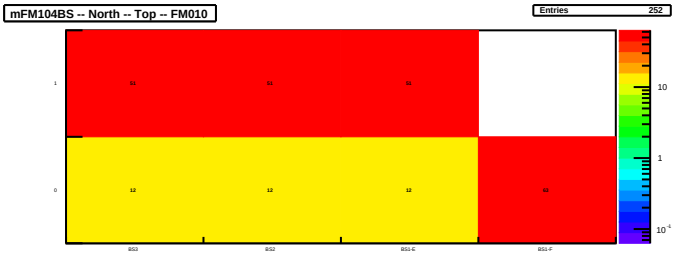

mFM104BSsim -- North -- Top/Side -- FM009
Entries 51
S1
BS3
BS2
BS1
Unused

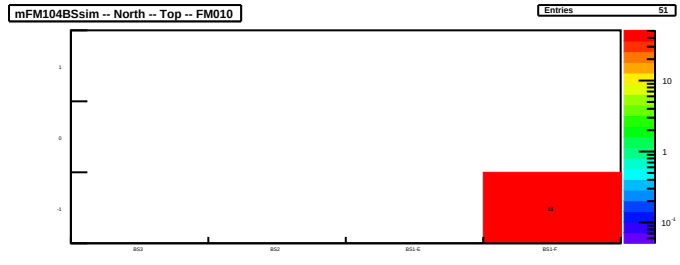

mFM104J -- South -- Top/Side -- FM009
Entries 63
J(23)

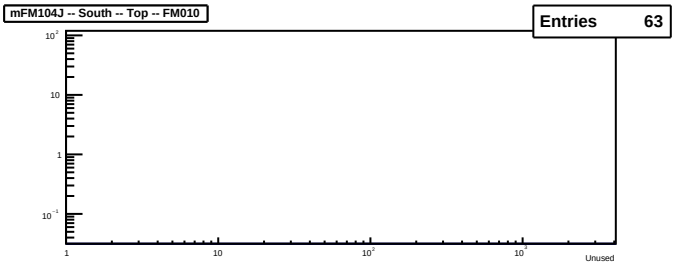

mFM104Jsim -- South -- Top/Side -- FM009
Entries 0
J(23)

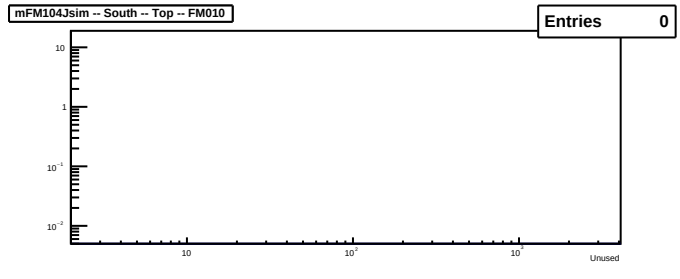

mFM104JP -- South -- Top/Side -- FM009
Entries 126
JP-GH
JP-U

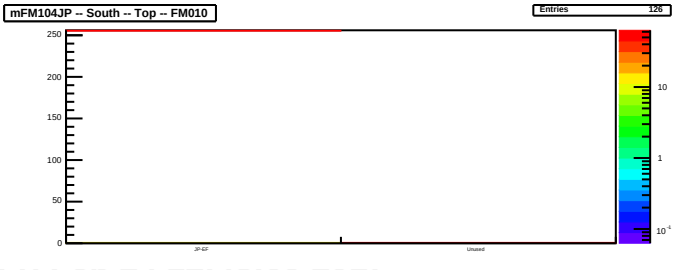

mFM104JPsim -- South -- Top/Side -- FM009
Entries 0
JP-GH
JP-U

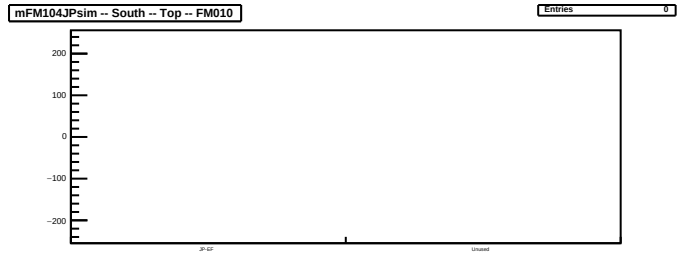

mFM104BS -- North -- Top -- FM010
Entries 252
S1
L2
BS3
BS2
BS1-E
BS1-F

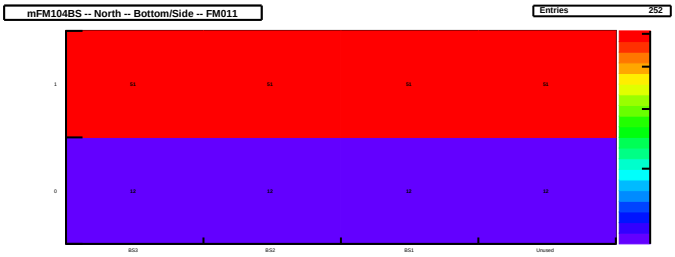

mFM104BSsim -- North -- Top -- FM010
Entries 51
S1
BS3
BS2
BS1-E
BS1-F

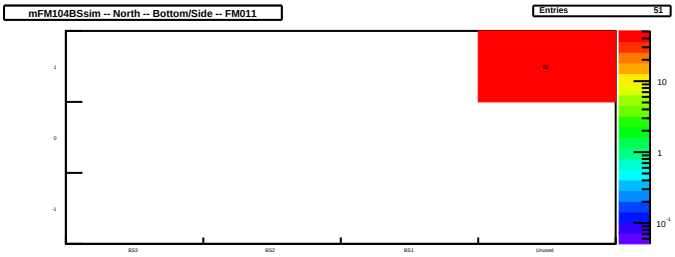

mFM104J -- South -- Top -- FM010
Entries 63
Unused

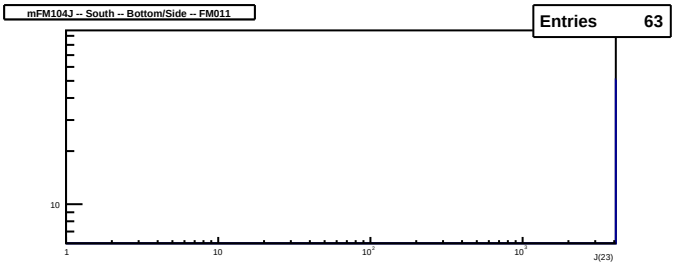

mFM104Jsim -- South -- Top -- FM010
Entries 0
Unused

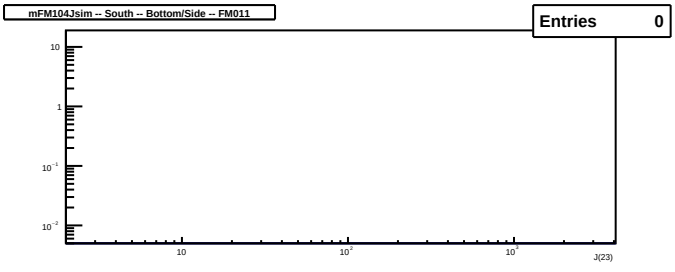

mFM104JP -- South -- Top -- FM010
Entries 126
JP-EF
Unused

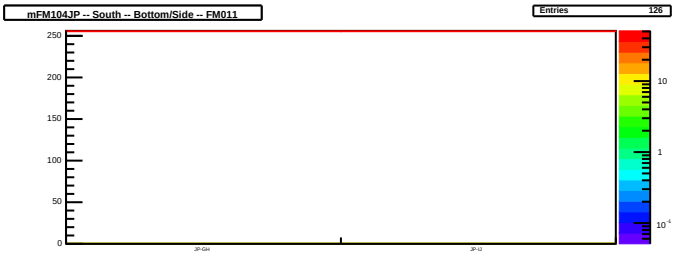

mFM104JPsim -- South -- Top -- FM010
Entries 0
JP-EF
Unused

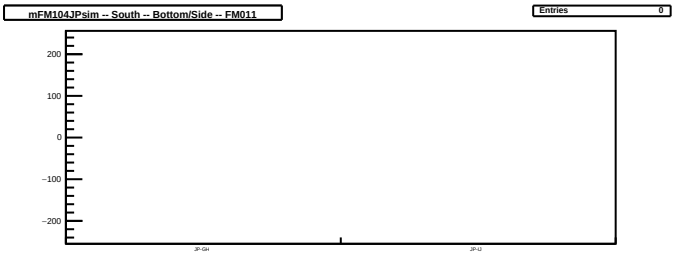

mFM104BS -- North -- Bottom/Side -- FM011
Entries 252

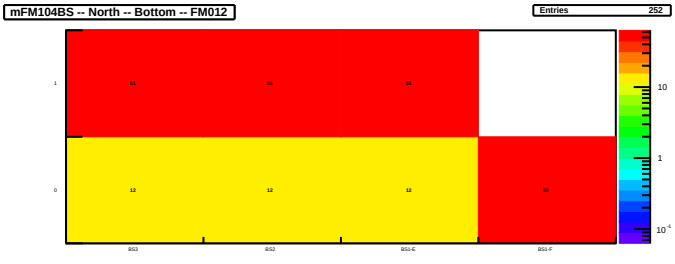

mFM104BSsim -- North -- Bottom/Side -- FM011
Entries 51

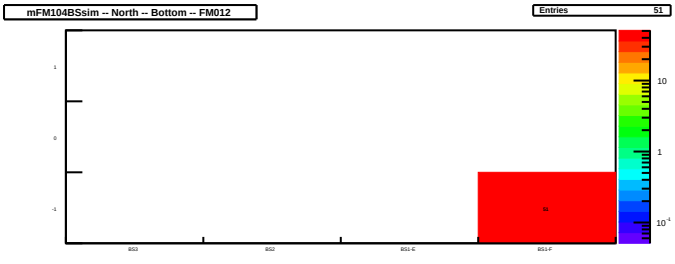

mFM104J -- South -- Bottom/Side -- FM011
Entries 63
J(23)

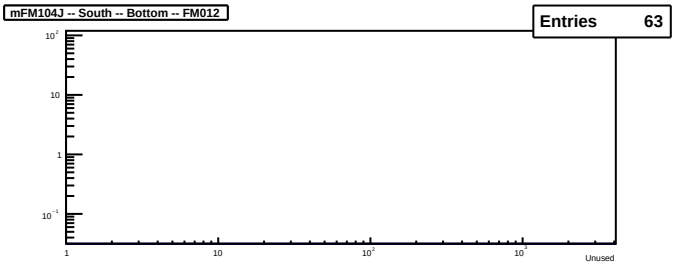

mFM104Jsim -- South -- Bottom/Side -- FM011
Entries 0
J(23)

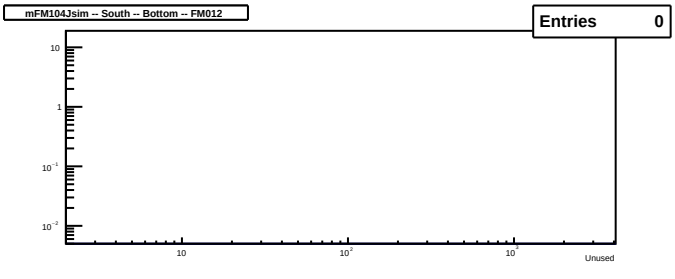

mFM104JP -- South -- Bottom/Side -- FM011
Entries 126

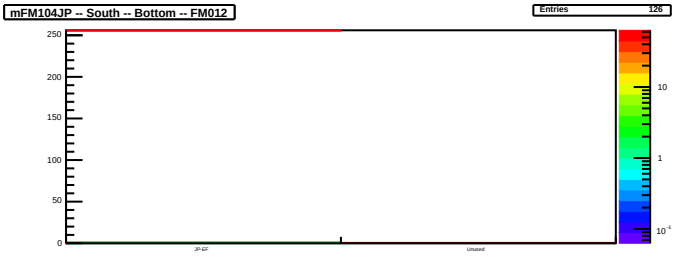

mFM104JPsim -- South -- Bottom/Side -- FM011
Entries 0


mFM104BS -- North -- Bottom -- FM012
Entries 252

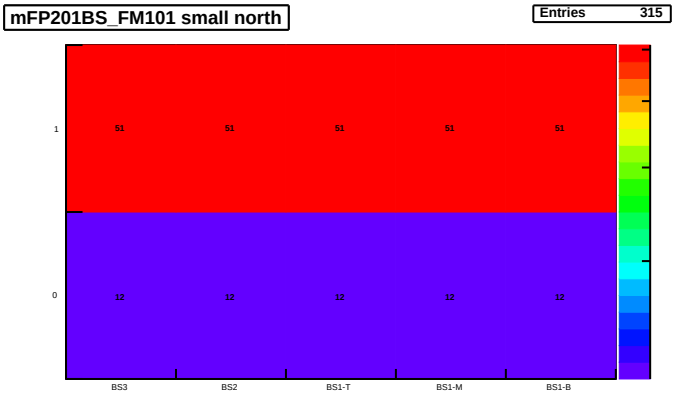

mFM104BSsim -- North -- Bottom -- FM012
Entries 51

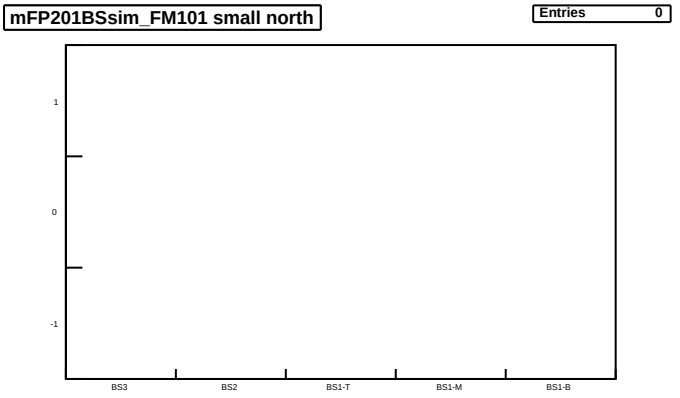

mFM104J -- South -- Bottom -- FM012
Entries 63
Unused

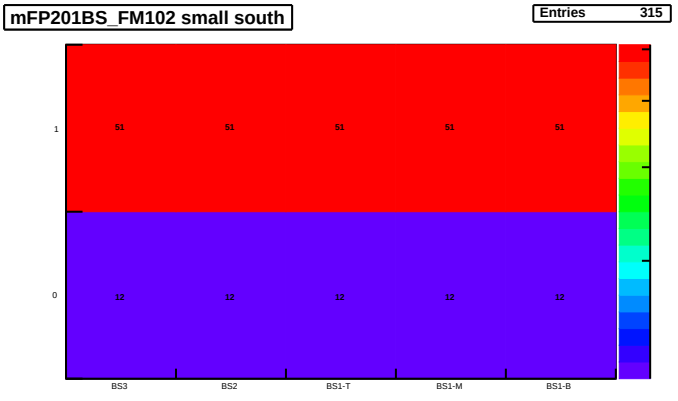

mFM104Jsim -- South -- Bottom -- FM012
Entries 0
Unused

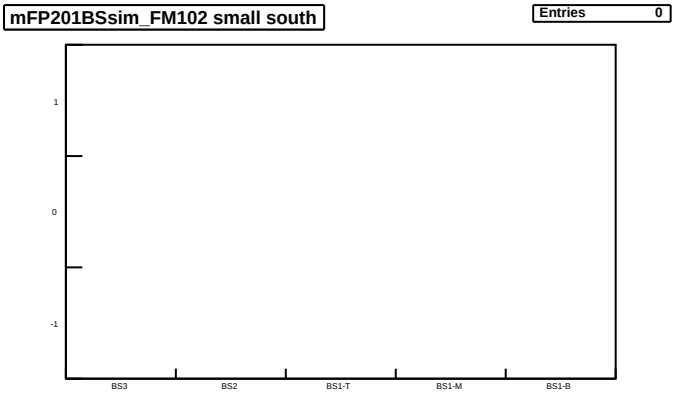

mFM104JP -- South -- Bottom -- FM012
Entries 126

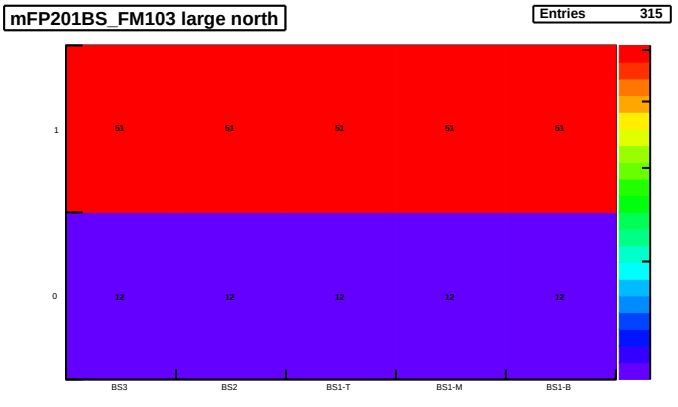
mFM104JPsim -- South -- Bottom -- FM012
Entries 0

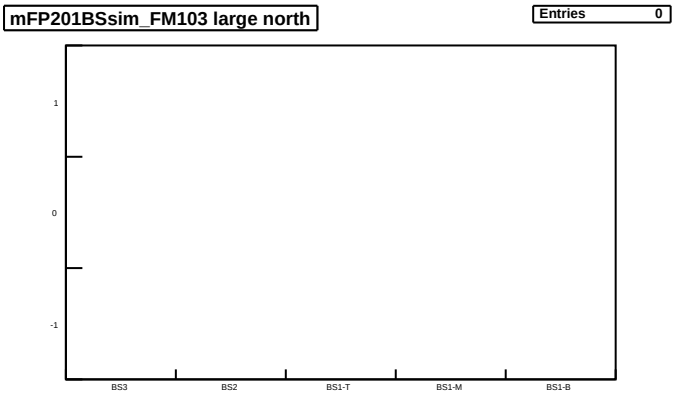

mFP201BS_FM101 small north
Entries 315
51 51 51 51 51
12 12 12 12 12
1
0
BS3 BS2 BS1-T BS1-M BS1-B

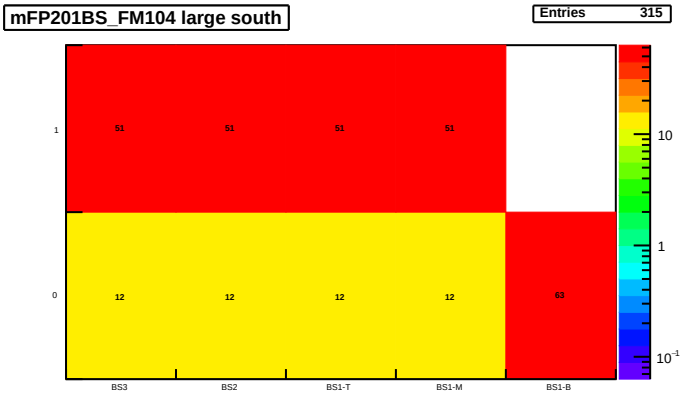

mFP201BSsim_FM101 small north
Entries 0
1
0
-1
BS3 BS2 BS1-T BS1-M BS1-B

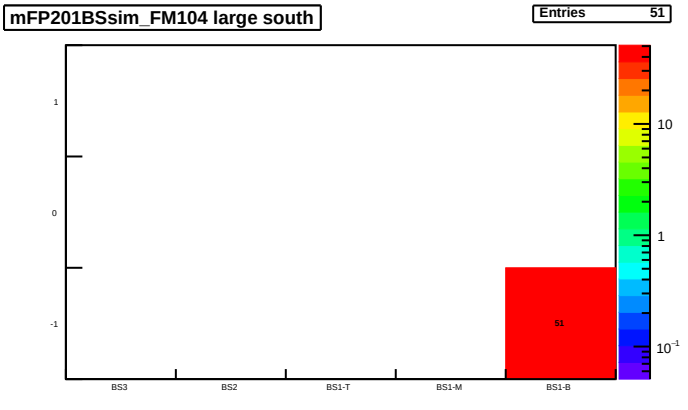

mFP201BS_FM102 small south
Entries 315
51 51 51 51 51
12 12 12 12 12
1
0
BS3 BS2 BS1-T BS1-M BS1-B

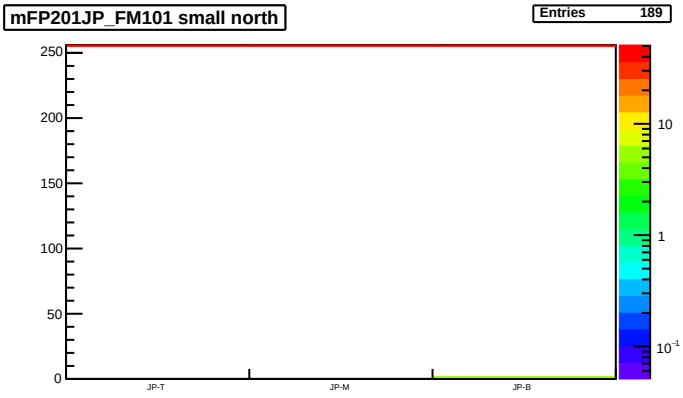

mFP201BSsim_FM102 small south
Entries 0
1
0
-1
BS3 BS2 BS1-T BS1-M BS1-B

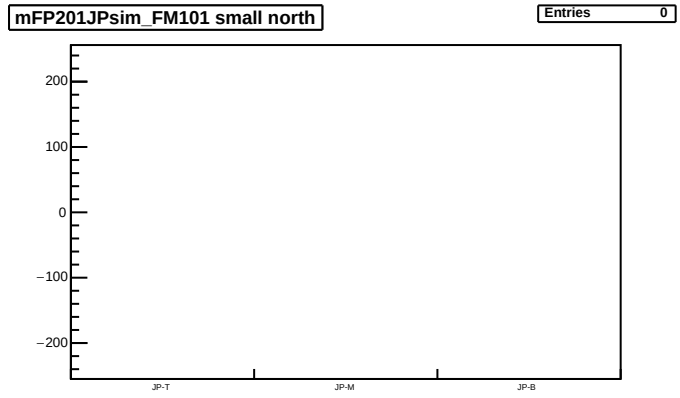

mFP201BS_FM103 large north
Entries 315
51 51 51 51 51
12 12 12 12 12
1
0
BS3 BS2 BS1-T BS1-M BS1-B

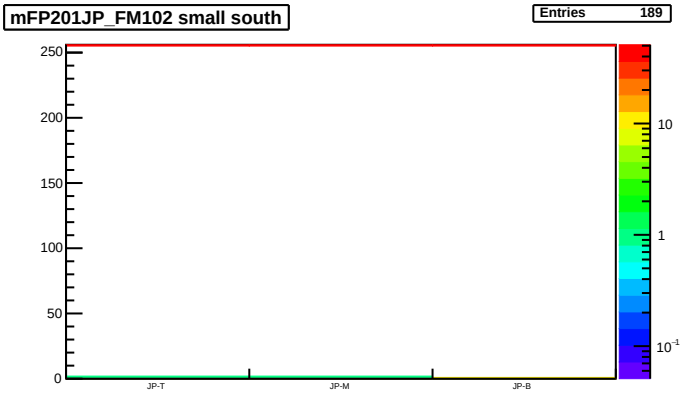

mFP201BSsim_FM103 large north
Entries 0
1
0
-1
BS3 BS2 BS1-T BS1-M BS1-B

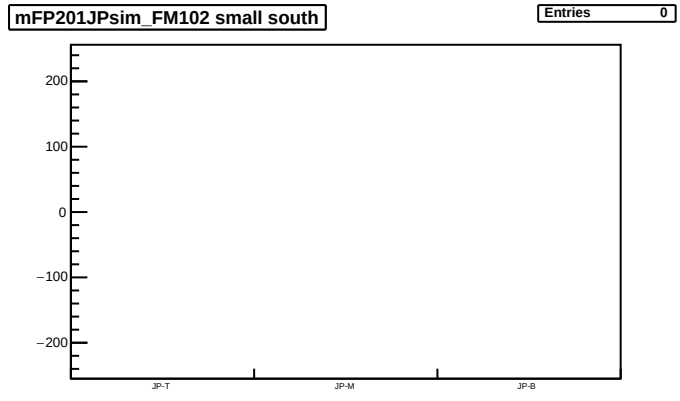

mFP201BS_FM104 large south
Entries 315
51 51 51 51
12 12 12 12 63
1
0
10
1
10^-1
BS3 BS2 BS1-T BS1-M BS1-B

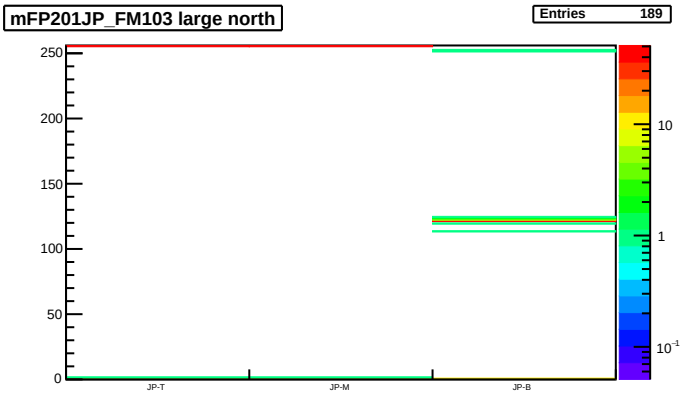

mFP201BSsim_FM104 large south
Entries 51
51
1
0
-1
10
1
10^-1
BS3 BS2 BS1-T BS1-M BS1-B

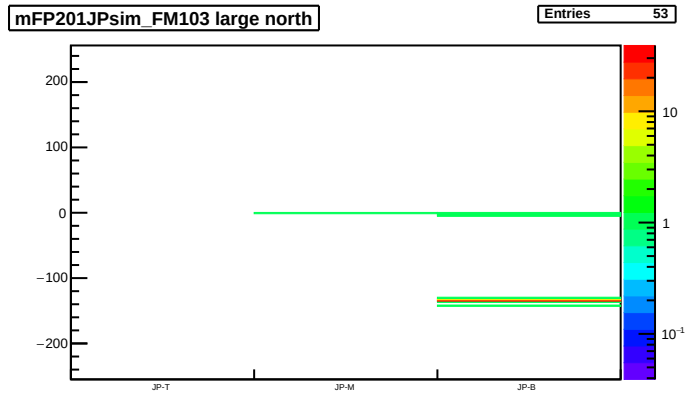

mFP201JP_FM101 small north
Entries 189
250
200
150
100
50
0
JP-T
JP-M
JP-B
10
1
10^{-1}

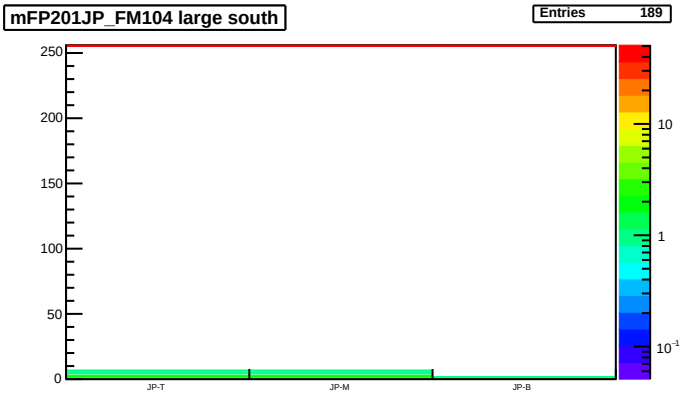

mFP201JPsim_FM101 small north
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

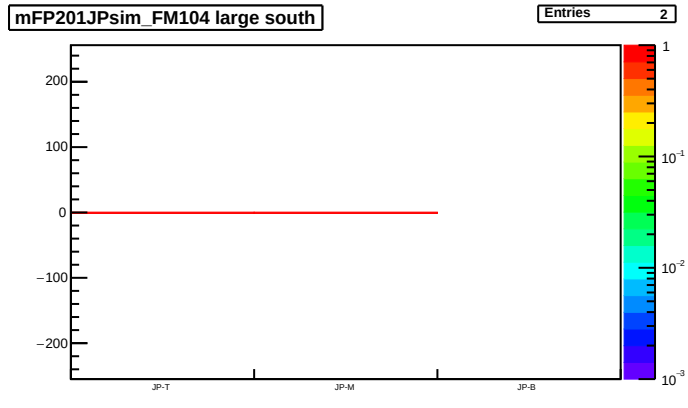

mFP201JP_FM102 small south
Entries 189
250
200
150
100
50
0
JP-T
JP-M
JP-B
10
1
10^{-1}

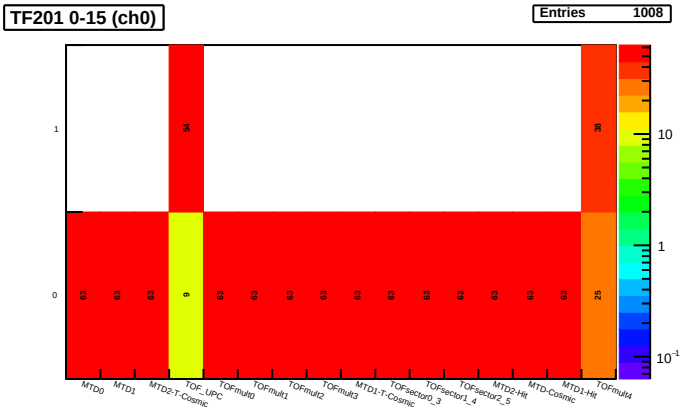

mFP201JPsim_FM102 small south
Entries 0
200
100
0
−100
−200
JP-T
JP-M
JP-B

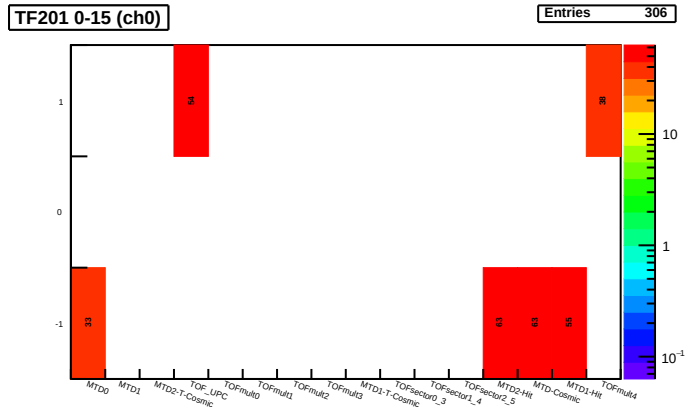

mFP201JP_FM103 large north
Entries 189
250
200
150
100
50
0
JP-T
JP-M
JP-B
10
1
10^{-1}

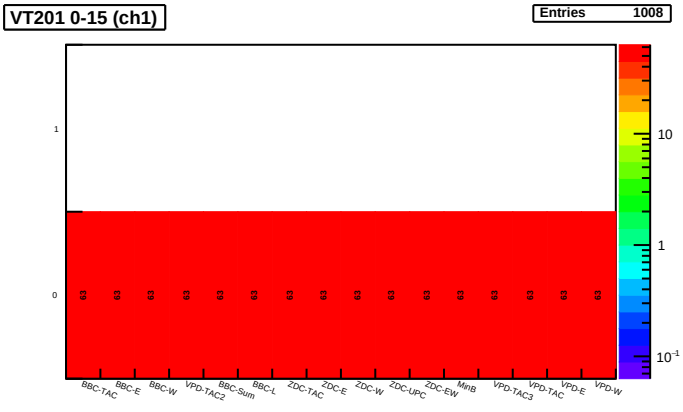

mFP201JPsim_FM103 large north
Entries 53
200
100
0
−100
−200
JP-T
JP-M
JP-B
10
1
10^{-1}

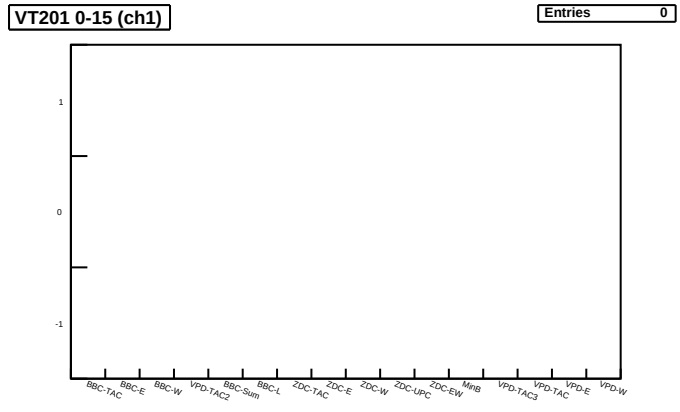

mFP201JP_FM104 large south
Entries 189
250
200
150
100
50
0
JP-T
JP-M
JP-B
10
1
10^{-1}

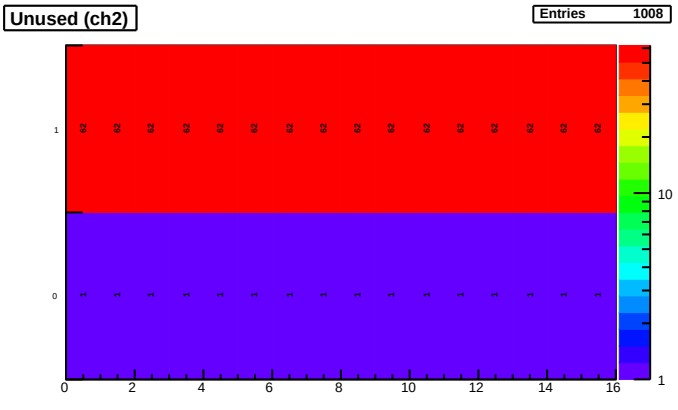

mFP201JPsim_FM104 large south
Entries 2
200
100
0
−100
−200
JP-T
JP-M
JP-B
1
10^{-1}
10^{-2}
10^{-3}

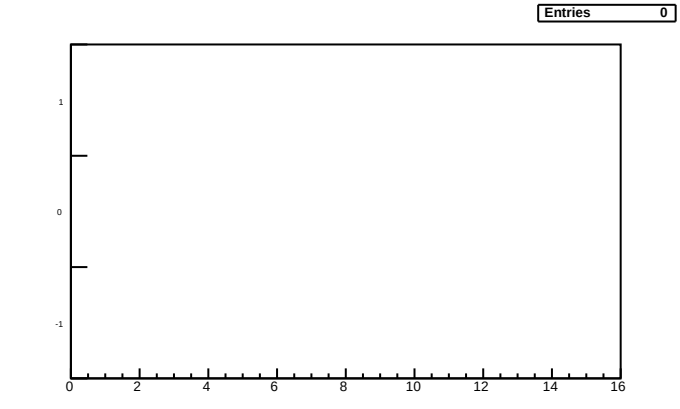

TF201 0-15 (ch0)
Entries 1008
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

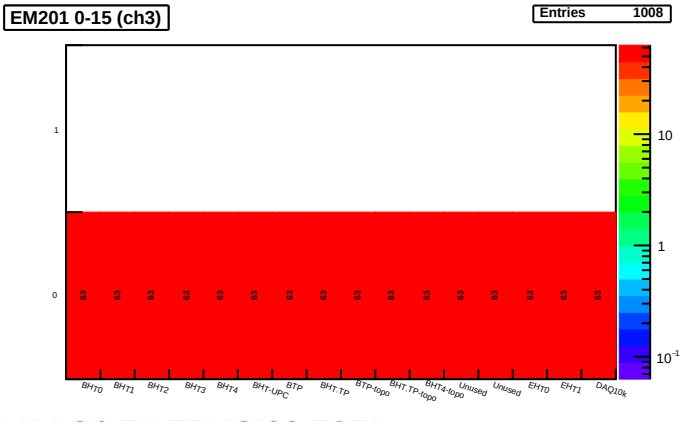

TF201 0-15 (ch0)
Entries 306
MTD0
MTD1
MTD2-T-Cosmic
TOF_UPC
TOFmult0
TOFmult1
TOFmult2
TOFmult3
MTD1-T-Cosmic
TOFsector0_3
TOFsector1_4
TOFsector2_5
MTD2-Hit
MTD-Cosmic
MTD1-Hit
TOFmult4

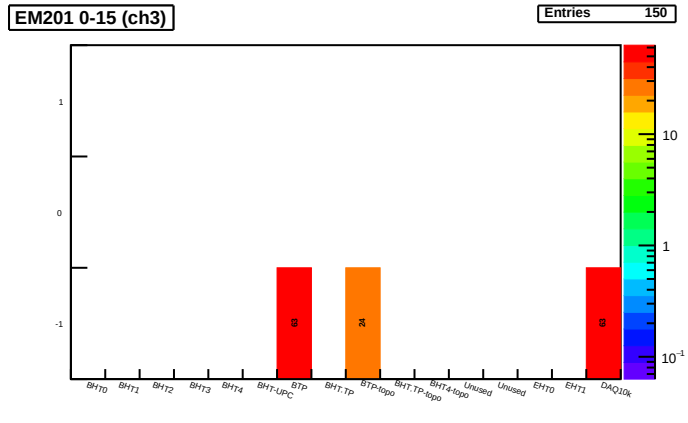

VT201 0-15 (ch1)
Entries 1008
BBC-TAC
BBC-E
BBC-W
VPD-TAC2
BBC-Sum
BBC-L
ZDC-TAC
ZDC-E
ZDC-W
ZDC-UPC
ZDC-EW
MinB
VPD-TAC3
VPD-TAC
VPD-E
VPD-W


VT201 0-15 (ch1)
Entries 0
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

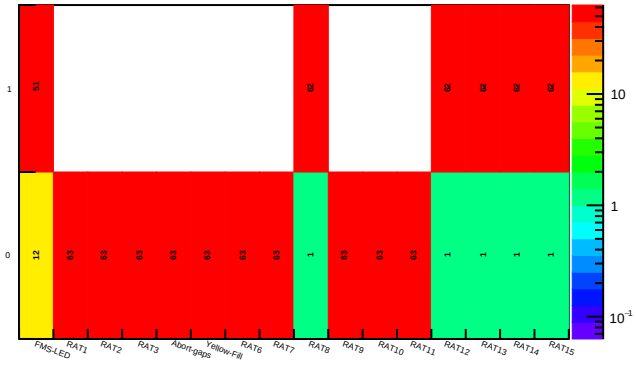

Unused (ch2)
Entries 1008

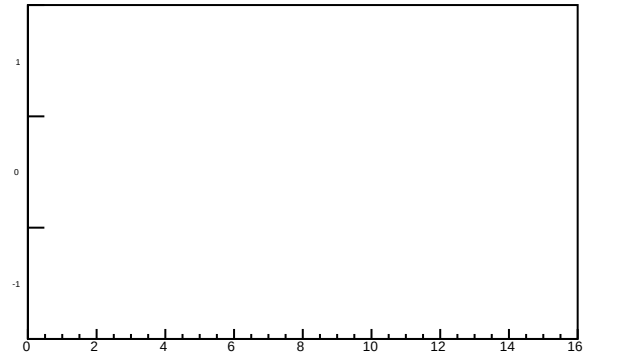

Entries 0


EM201 0-15 (ch3)
Entries 1008
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT-TP
BTP-topo
BHT-TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

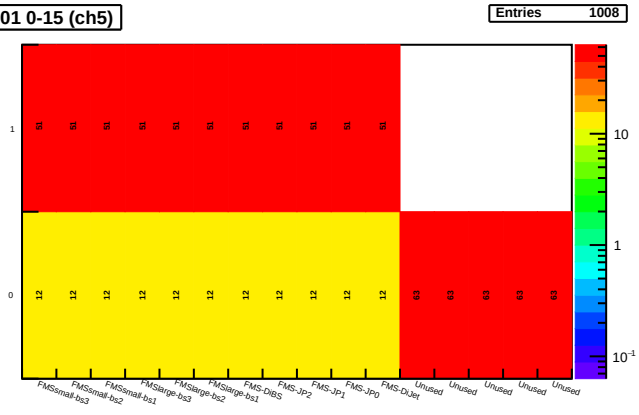

EM201 0-15 (ch3)
Entries 150
BHT0
BHT1
BHT2
BHT3
BHT4
BHT-UPC
BTP
BHT-TP
BTP-topo
BHT-TP-topo
BHT4-topo
Unused
Unused
EHT0
EHT1
DAQ10k

RAT board (ch4)





FP201 0-15 (ch5)



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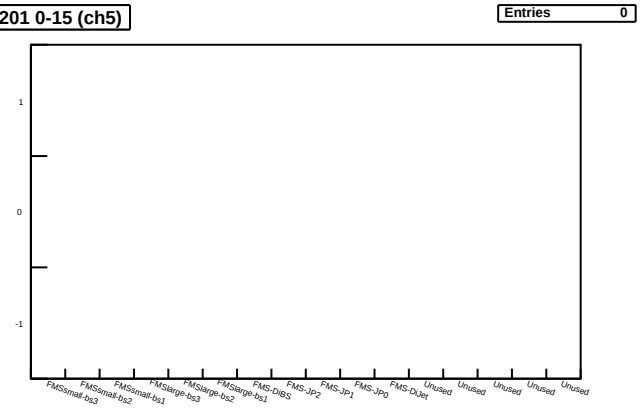
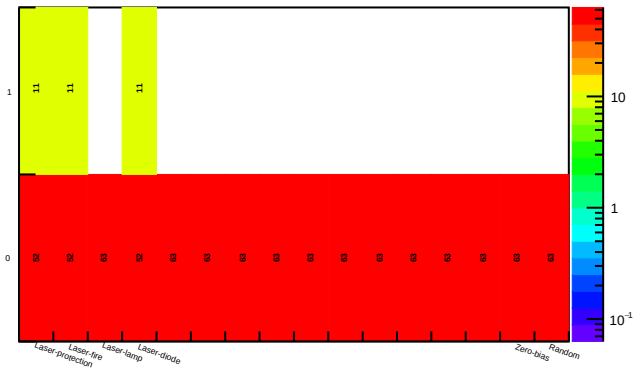
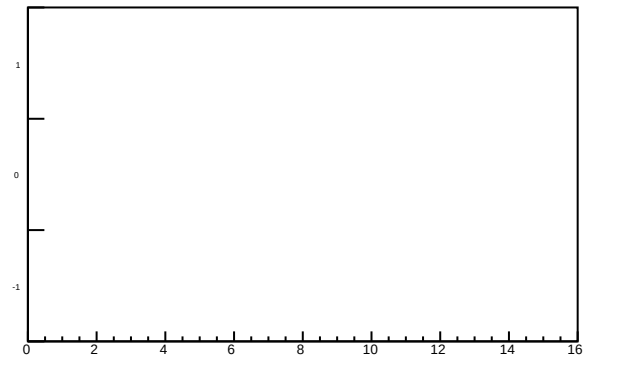
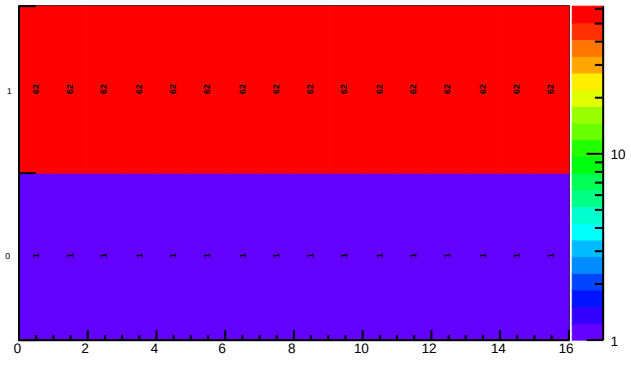
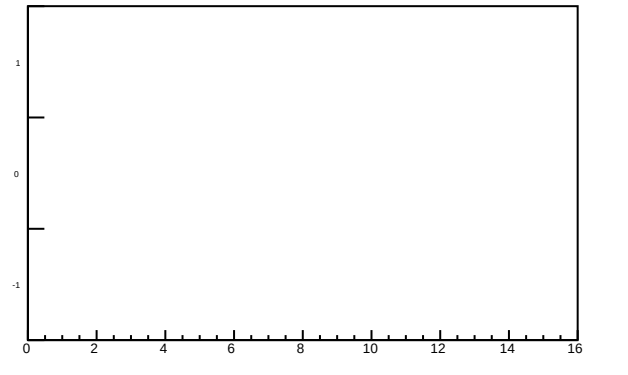


ST201 0-15 (ch6)





Unused (ch7)