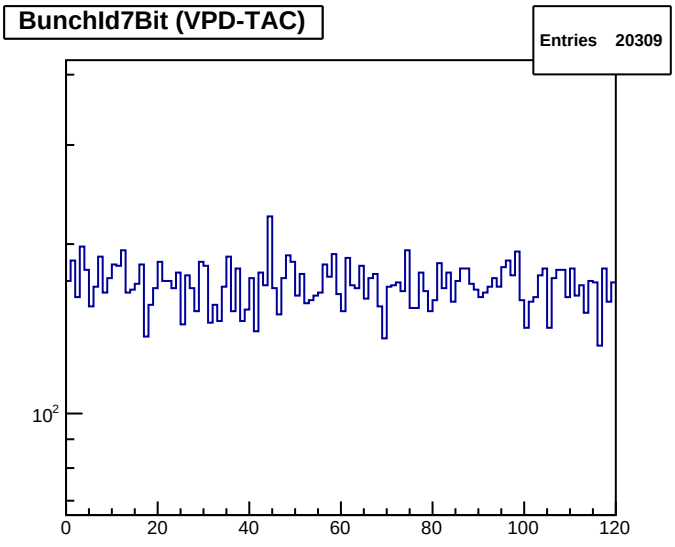
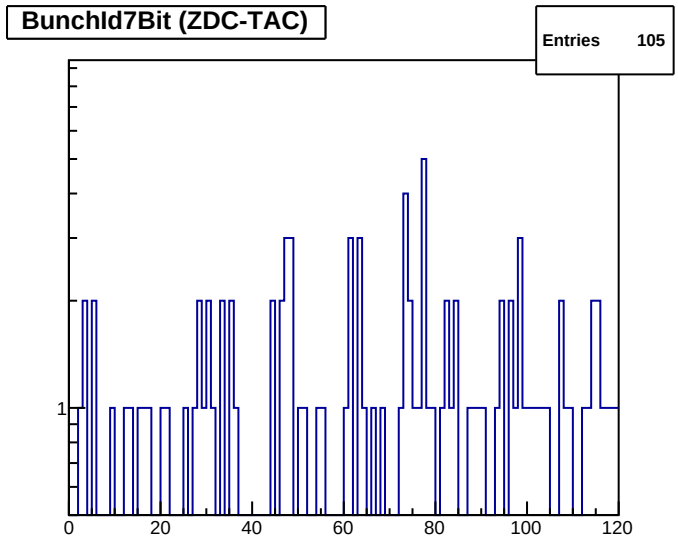
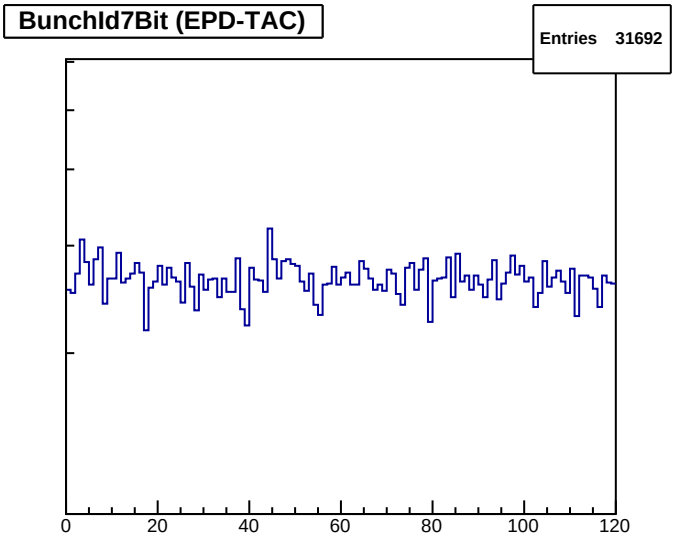
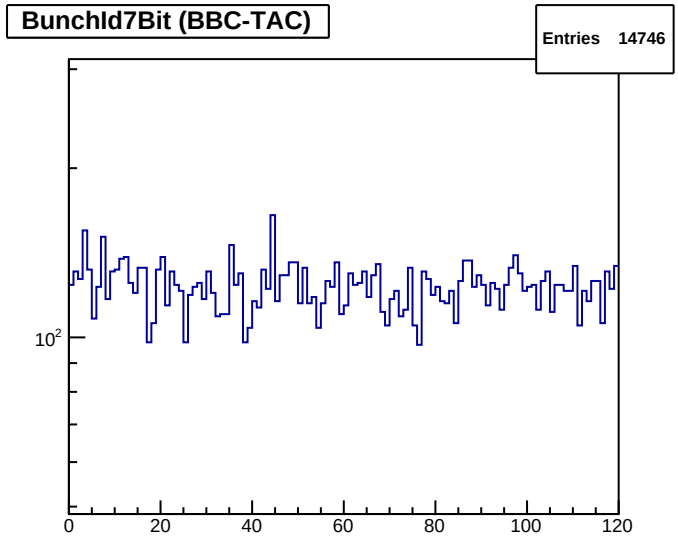
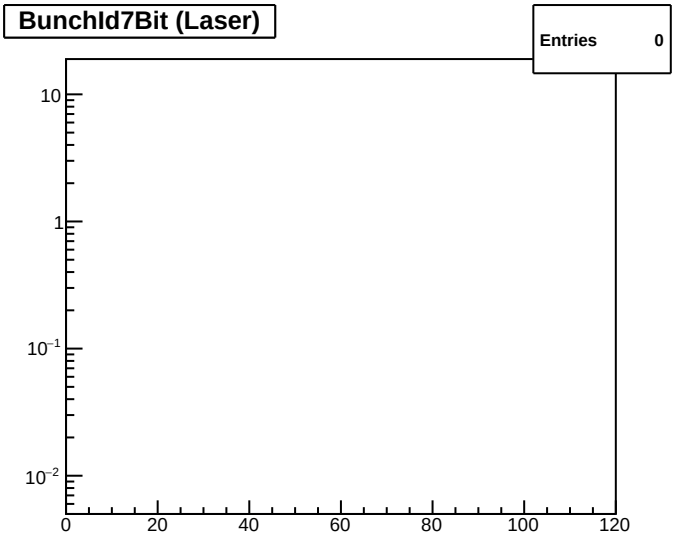
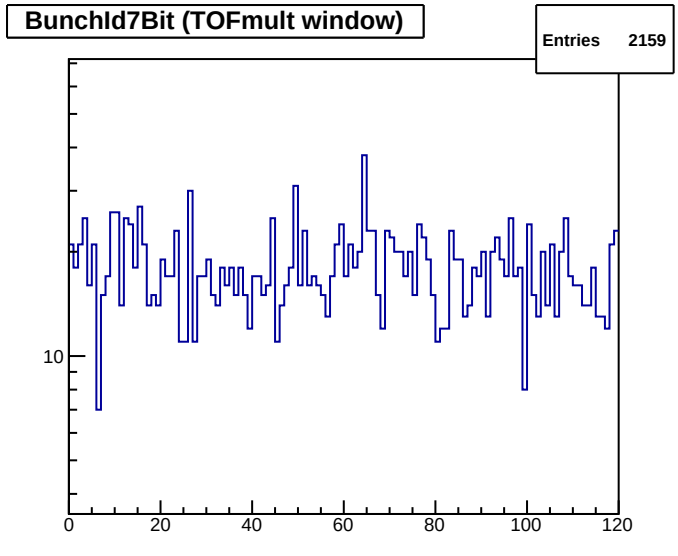

BunchId7Bit (VPD-TAC)
Entries 20309
10^2
0 20 40 60 80 100 120

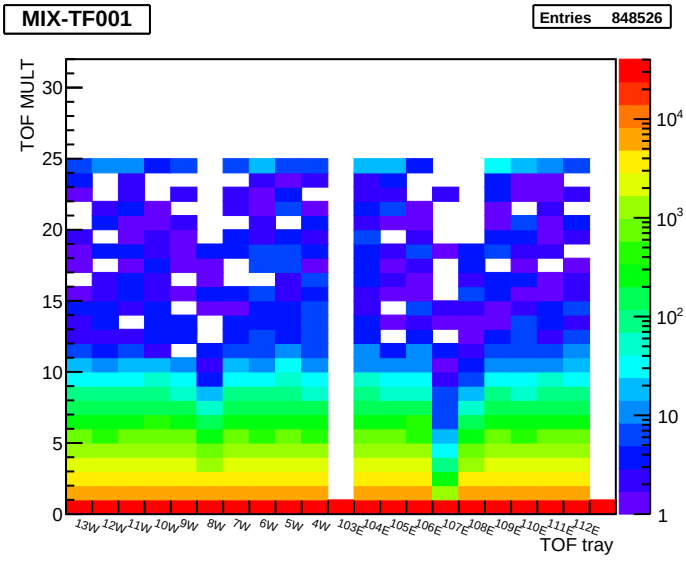

BunchId7Bit (ZDC-TAC)
Entries 105
1
0 20 40 60 80 100 120

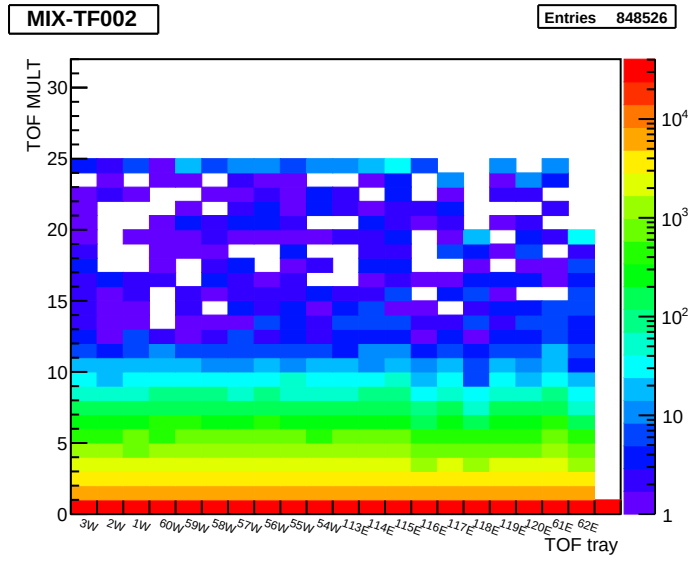

BunchId7Bit (EPD-TAC)
Entries 31692
0 20 40 60 80 100 120

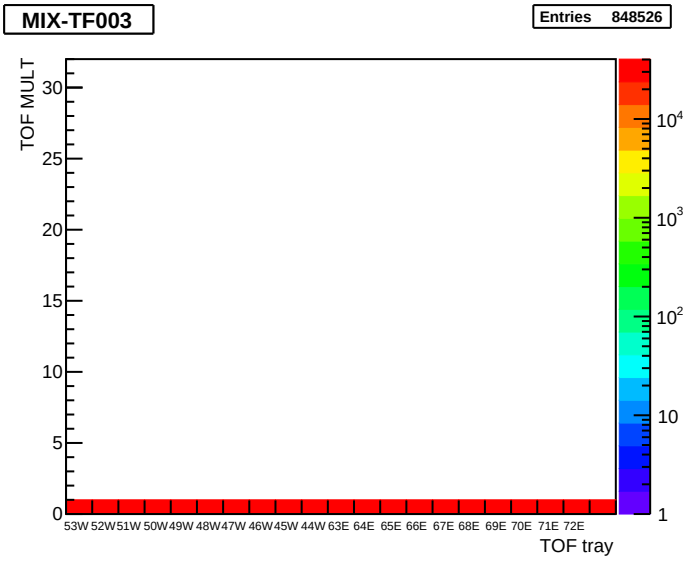

BunchId7Bit (BBC-TAC)
Entries 14746
10^2
0 20 40 60 80 100 120

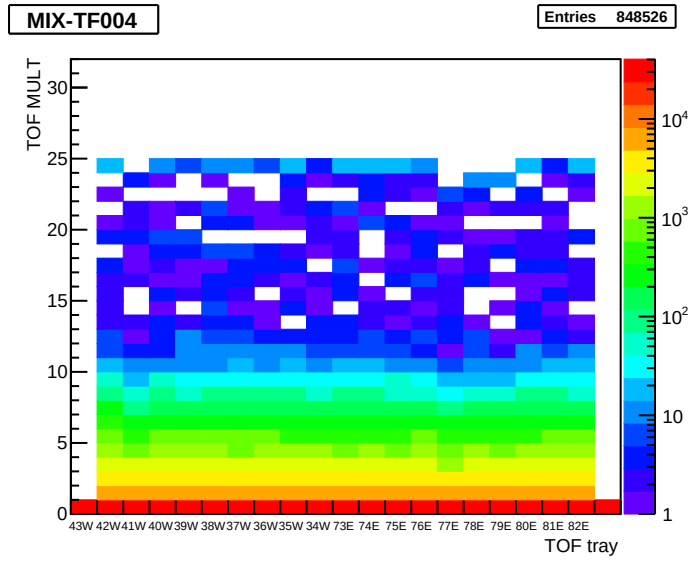

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

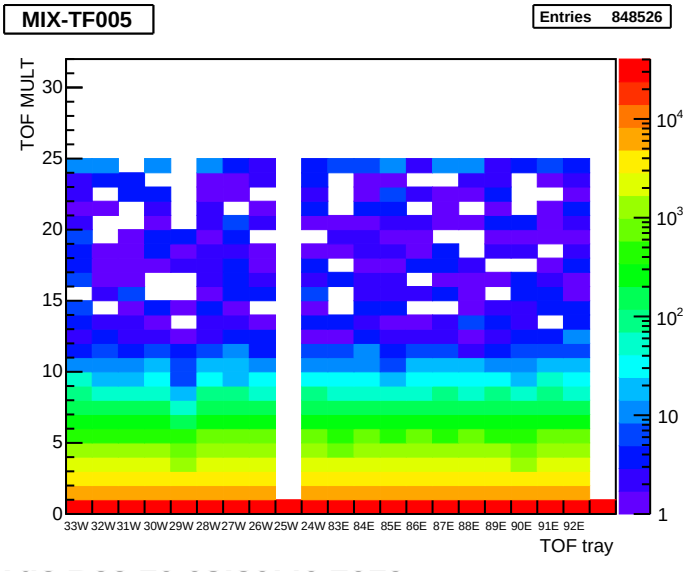

BunchId7Bit (TOFmult window)
Entries 2159
10
0 20 40 60 80 100 120

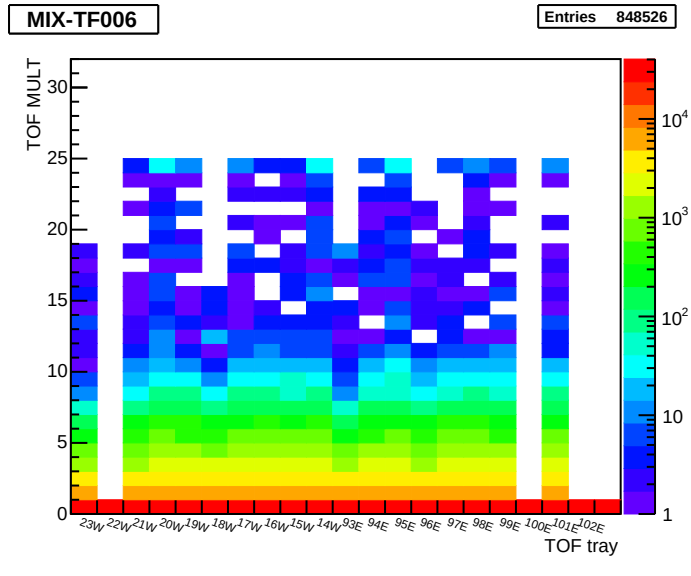

MIX-TF001
Entries 848526
TOF MULT
TOF tray

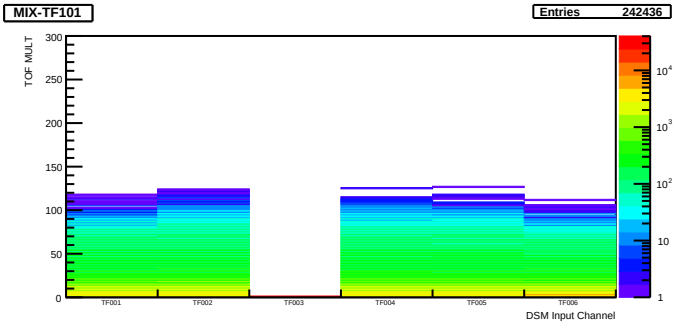

MIX-TF002
Entries 848526
TOF MULT
TOF tray

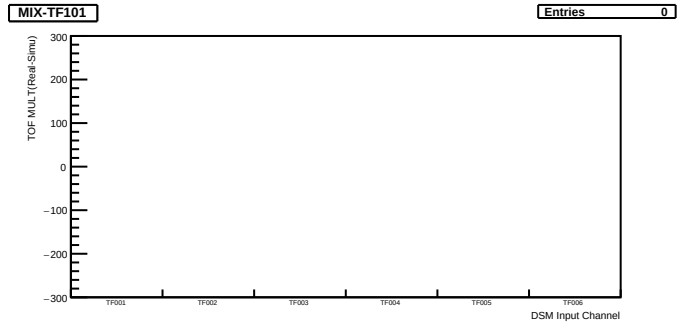

MIX-TF003
Entries 848526
TOF MULT
TOF tray

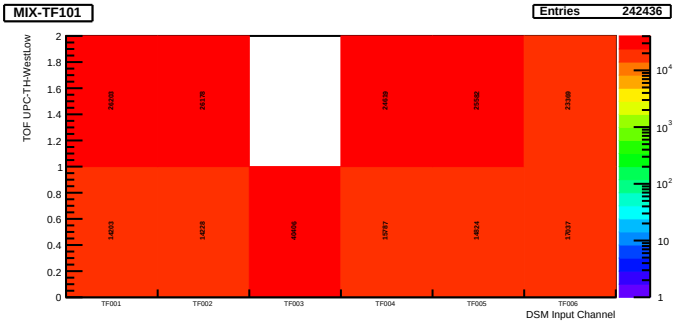

MIX-TF004
Entries 848526
TOF MULT
TOF tray

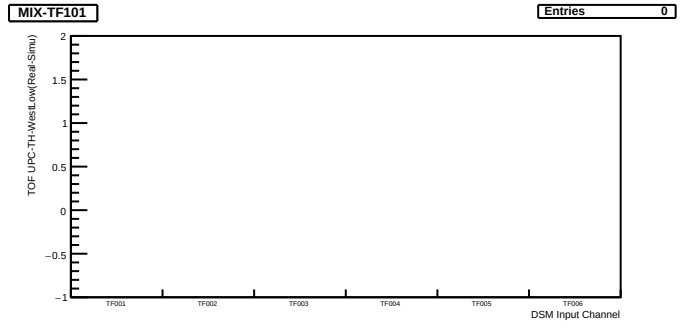

MIX-TF005
Entries 848526
TOF MULT
TOF tray

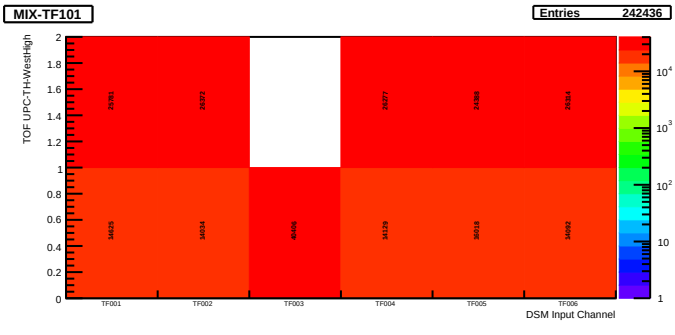

MIX-TF006
Entries 848526
TOF MULT
TOF tray

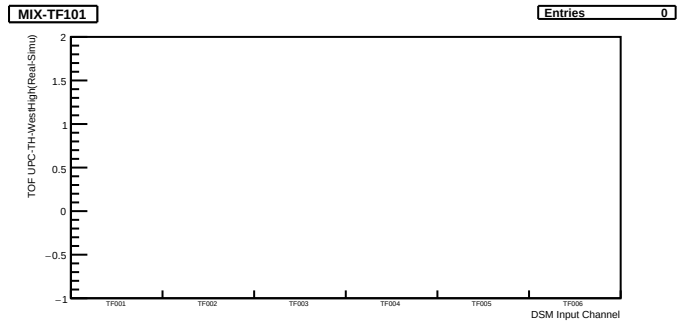

MIX-TF101
Entries 242436
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

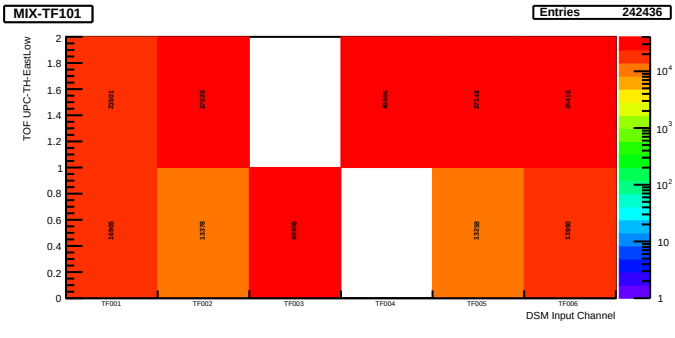

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

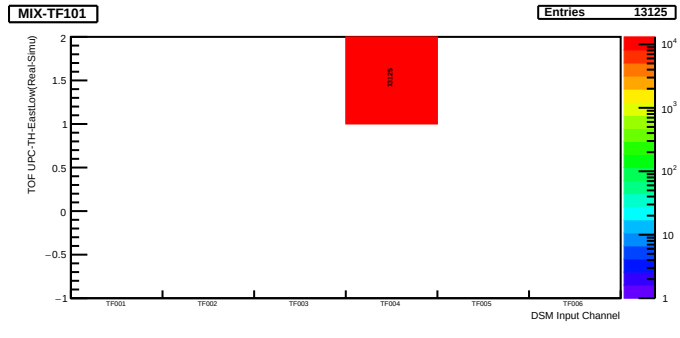

MIX-TF101
Entries 242436
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

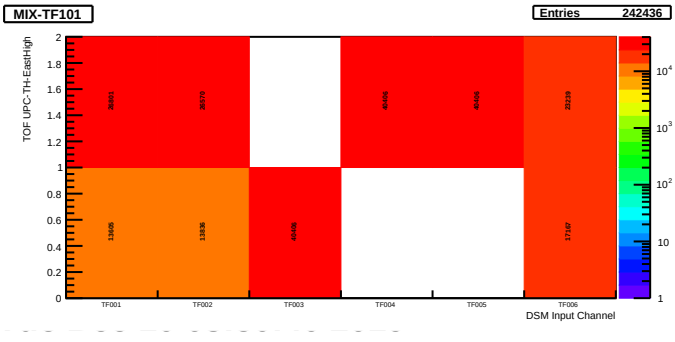

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

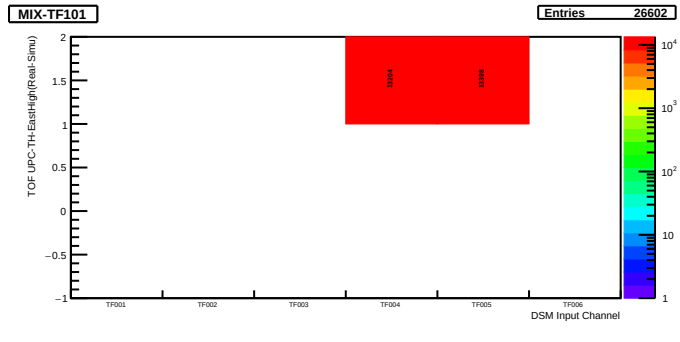

MIX-TF101
Entries 242436
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

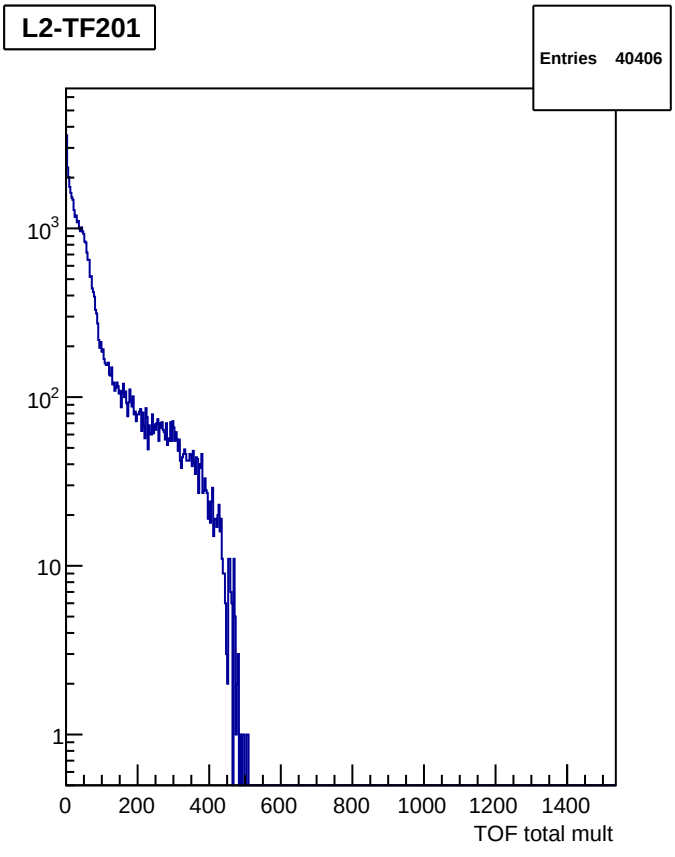

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

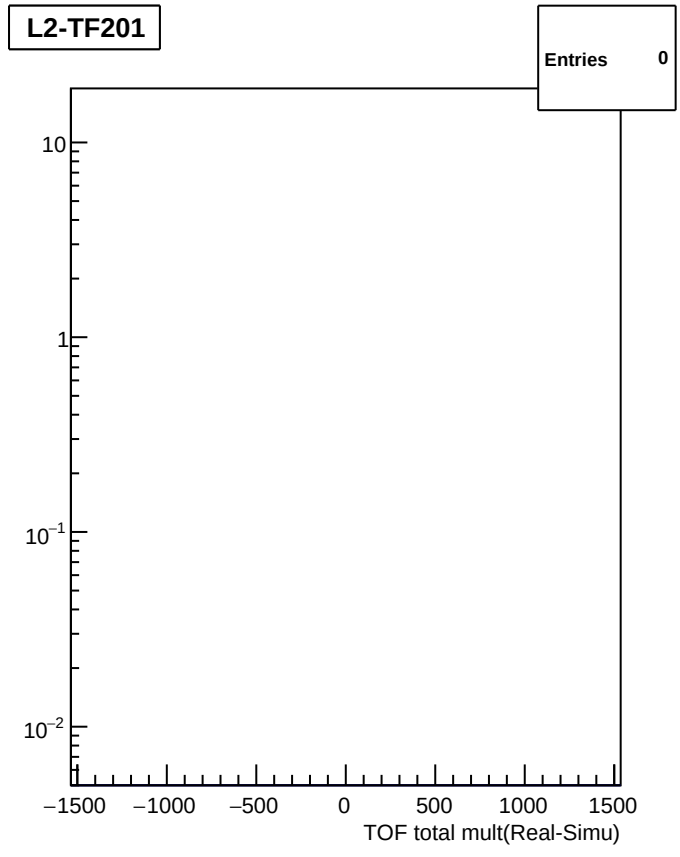

MIX-TF101
Entries 242436
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

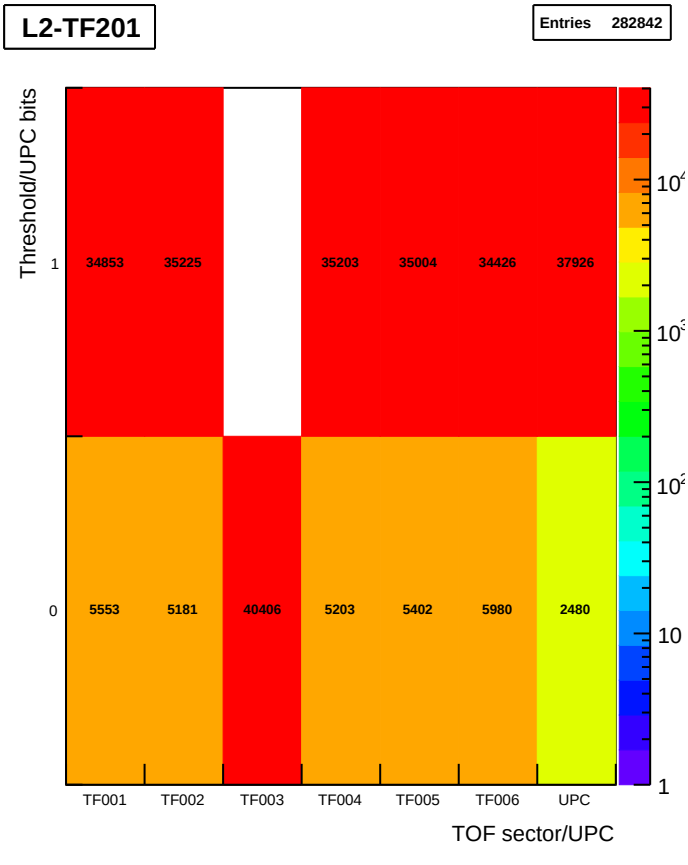

MIX-TF101
Entries 13125
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

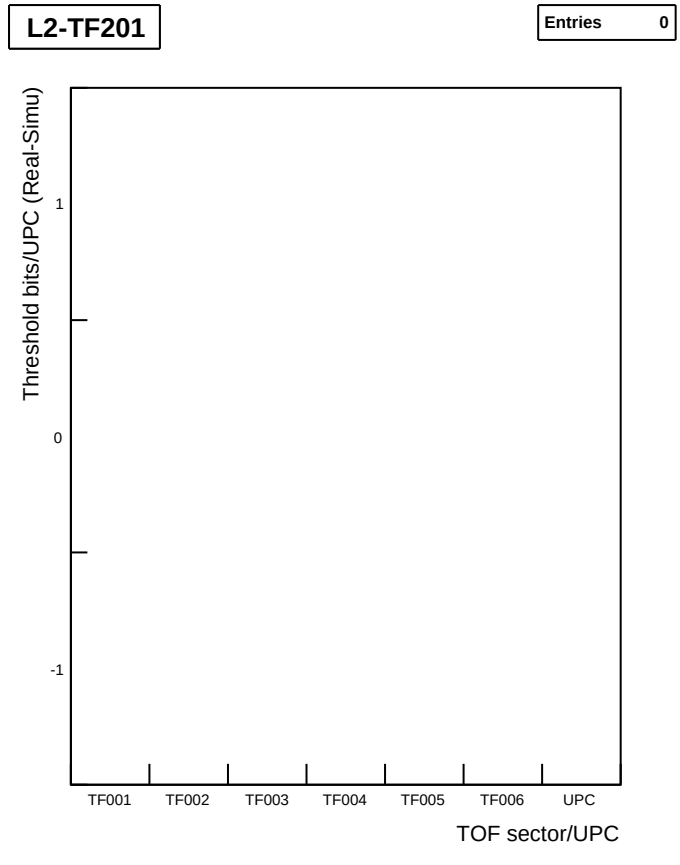

MIX-TF101
Entries 242436
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

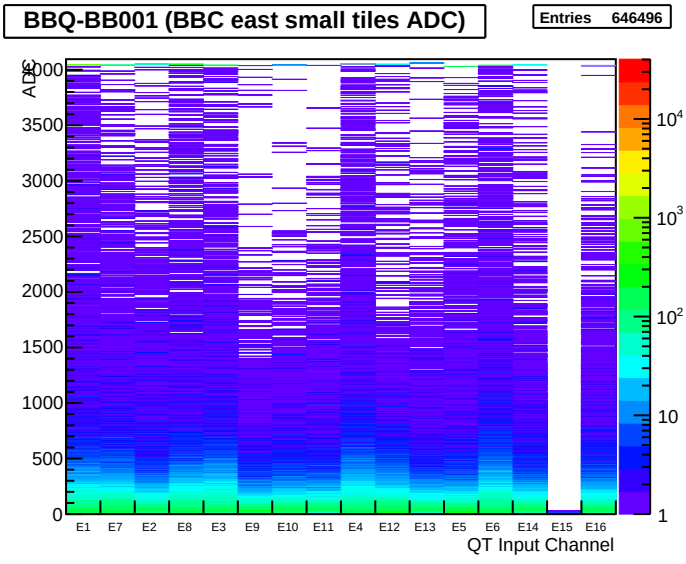

MIX-TF101
Entries 26602
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

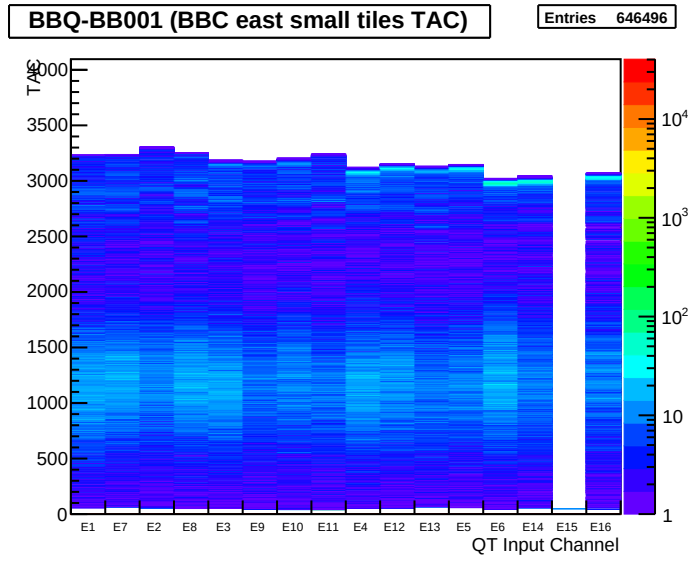

L2-TF201
Entries 40406
TOF total mult

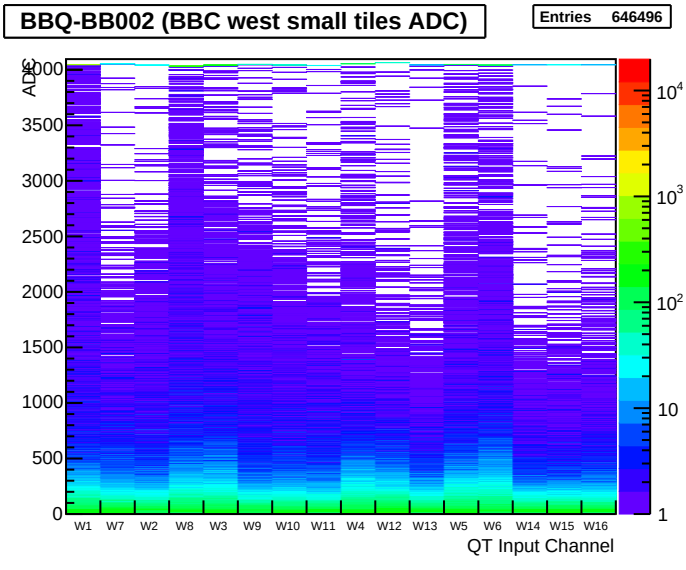

L2-TF201
Entries 0
TOF total mult(Real-Simu)

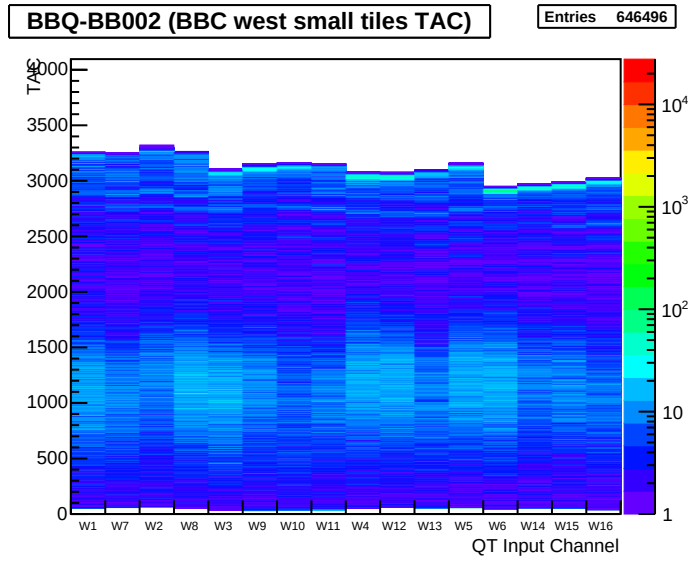

L2-TF201
Entries 282842
Threshold/UPC bits
34853
35225
35203
35004
34426
37926
5553
5181
40406
5203
5402
5980
2480
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

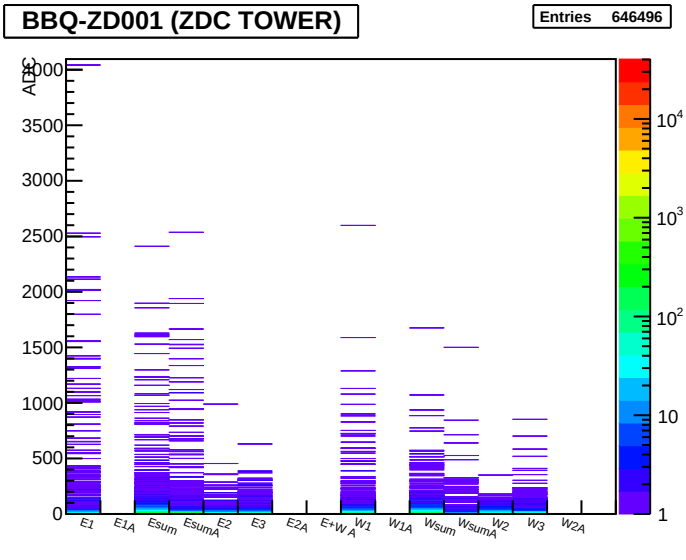

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

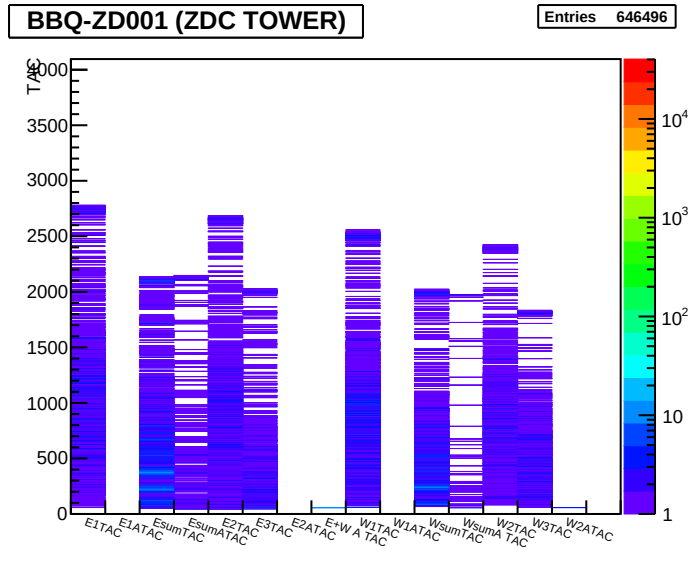

BBQ-BB001 (BBC east small tiles ADC)
Entries 646496
ADC
QT Input Channel

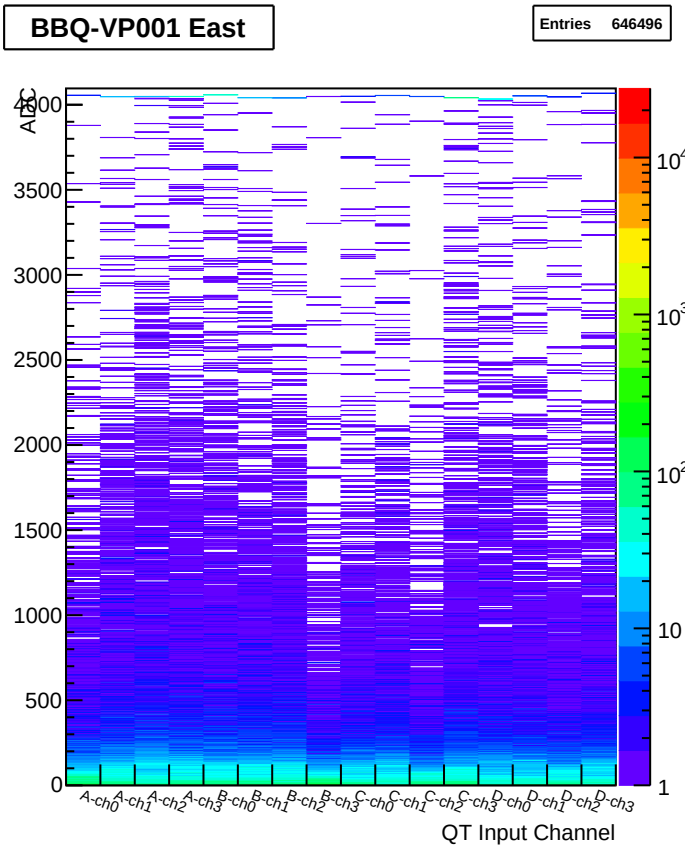

BBQ-BB001 (BBC east small tiles TAC)
Entries 646496
TAC
QT Input Channel

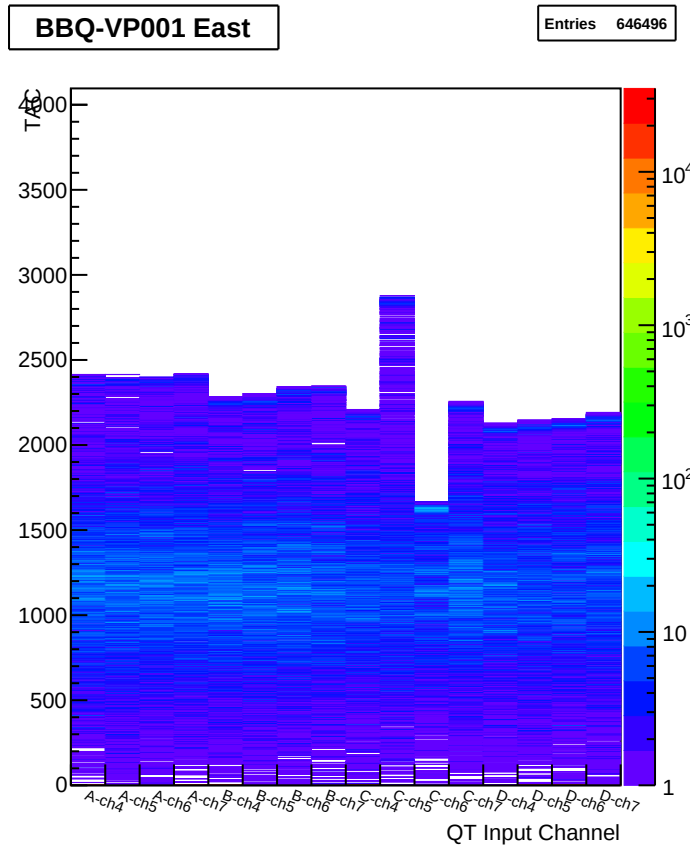

BBQ-BB002 (BBC west small tiles ADC)
Entries 646496
ADC
QT Input Channel

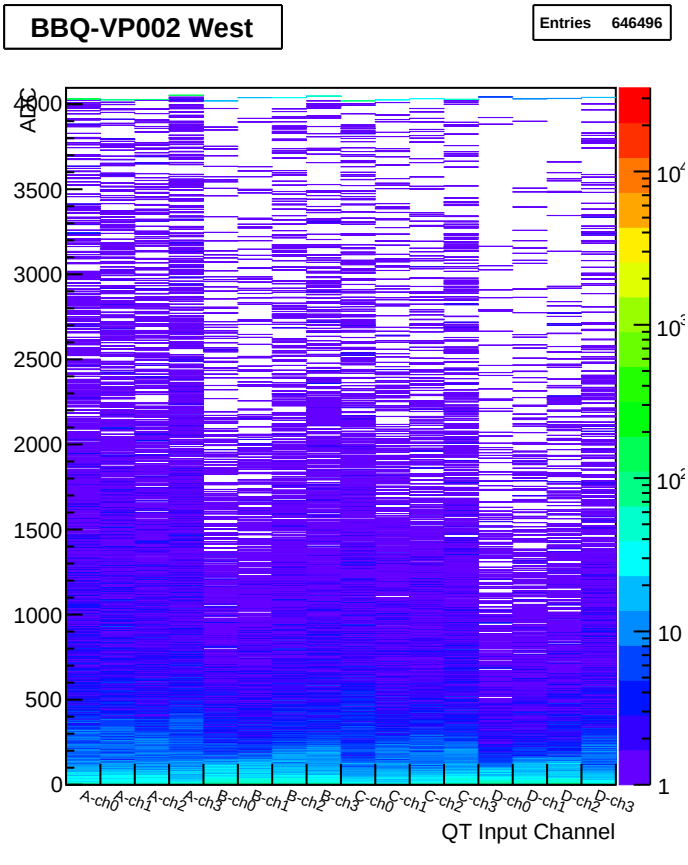

BBQ-BB002 (BBC west small tiles TAC)
Entries 646496
TAC
QT Input Channel

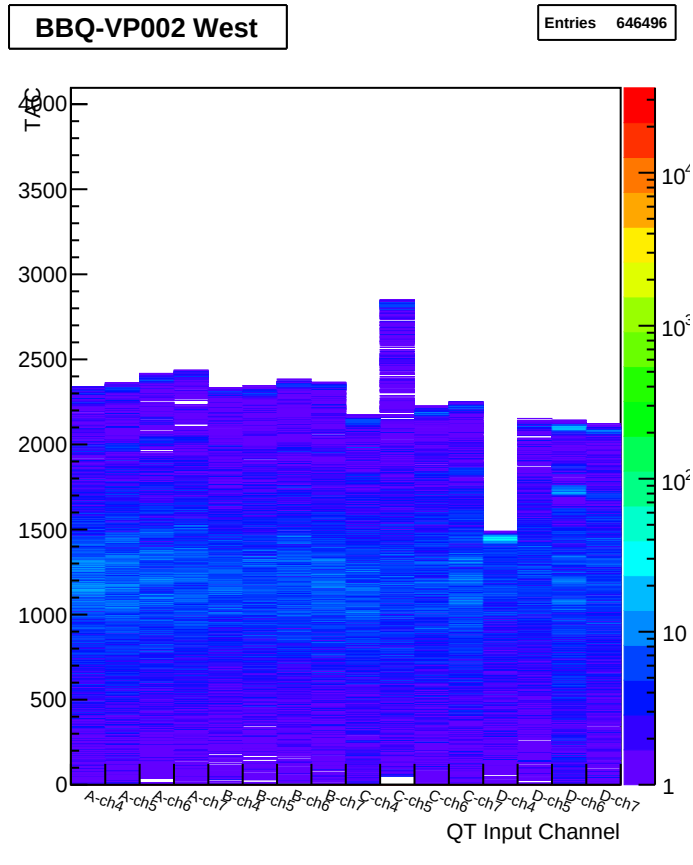

BBQ-ZD001 (ZDC TOWER)
Entries 646496
ADC

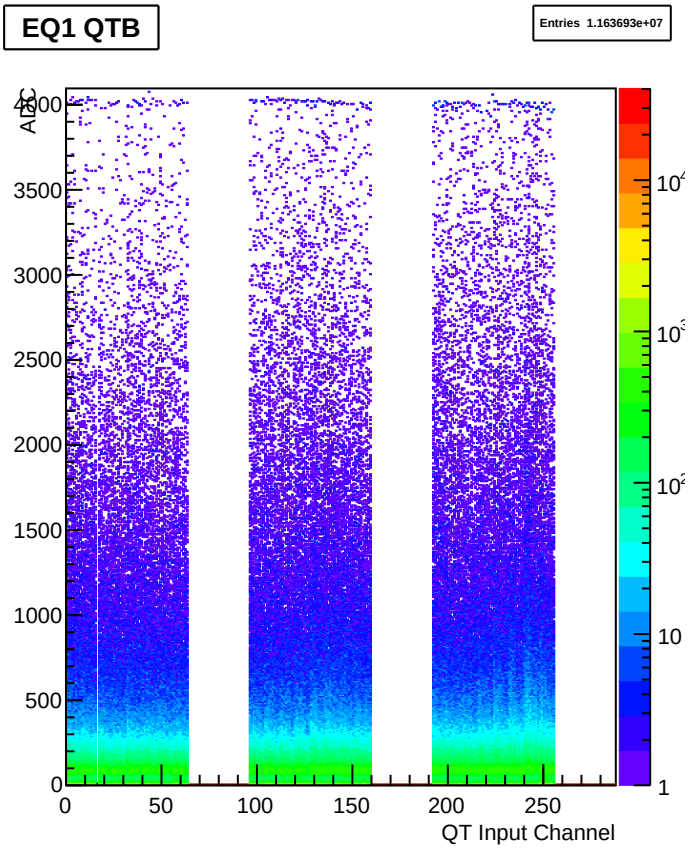

BBQ-ZD001 (ZDC TOWER)
Entries 646496
TAC

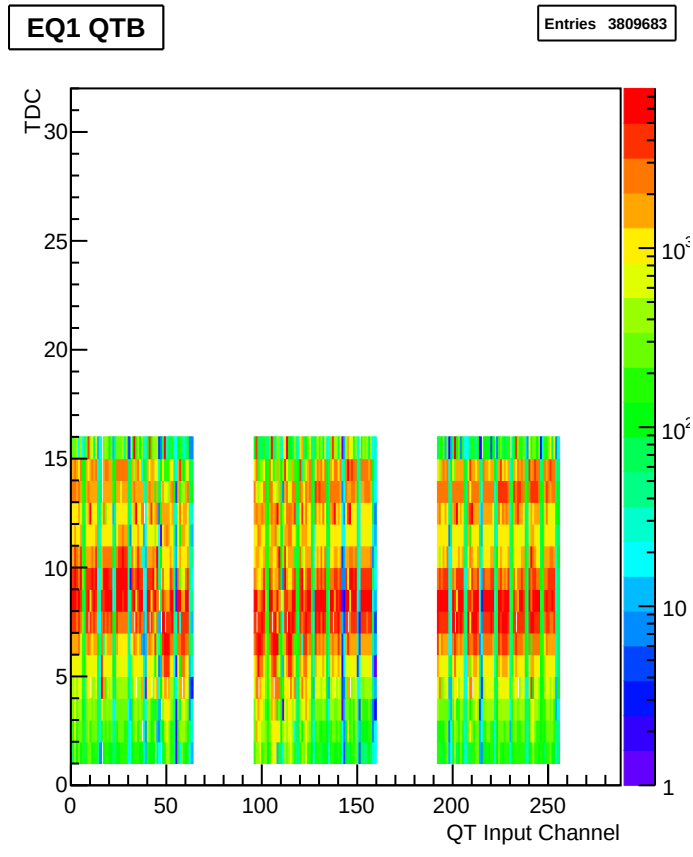

BBQ-VP001 East
Entries 646496
ADC
QT Input Channel

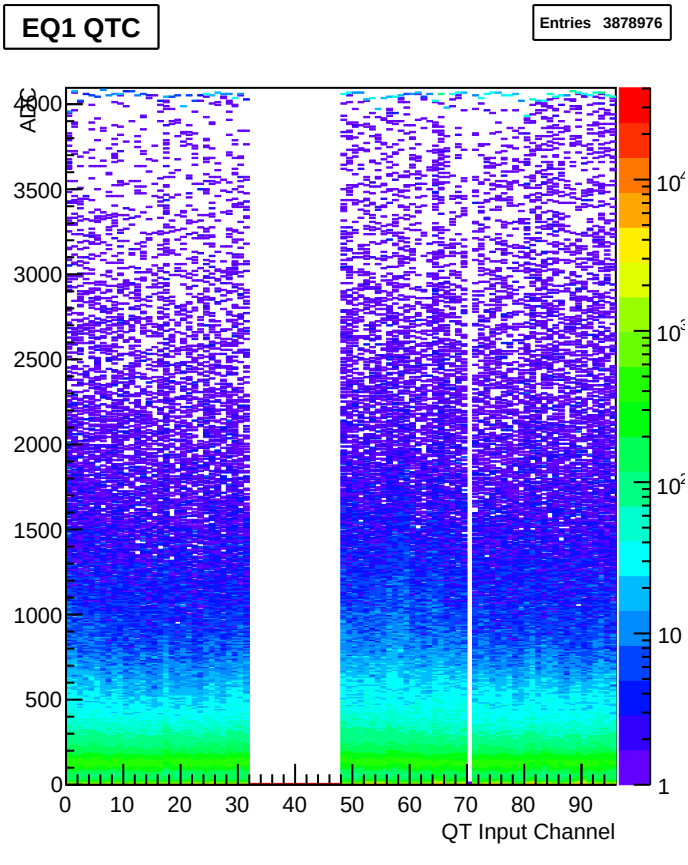

BBQ-VP001 East
Entries 646496
TADC
QT Input Channel

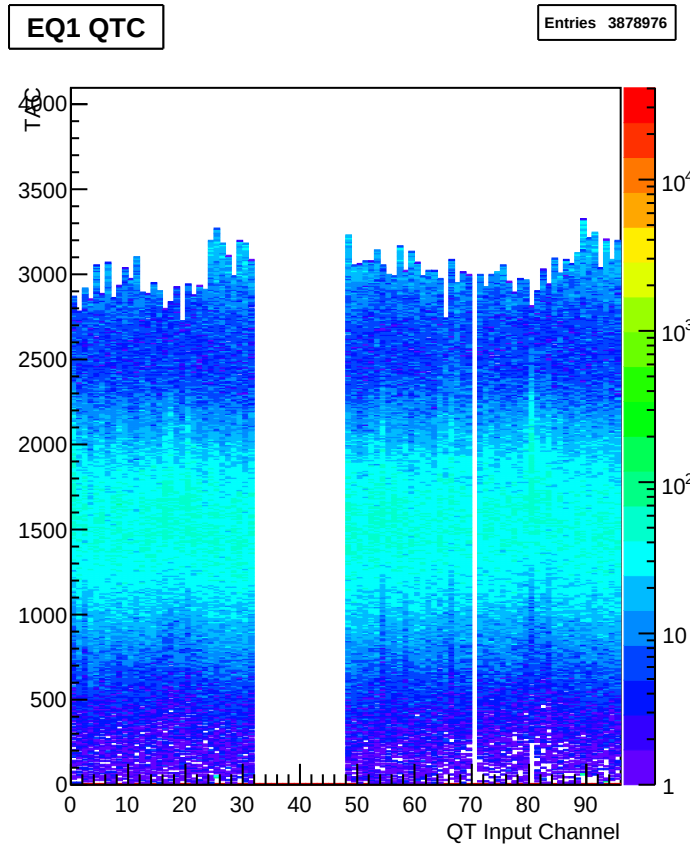

BBQ-VP002 West
Entries 646496
ADC
QT Input Channel

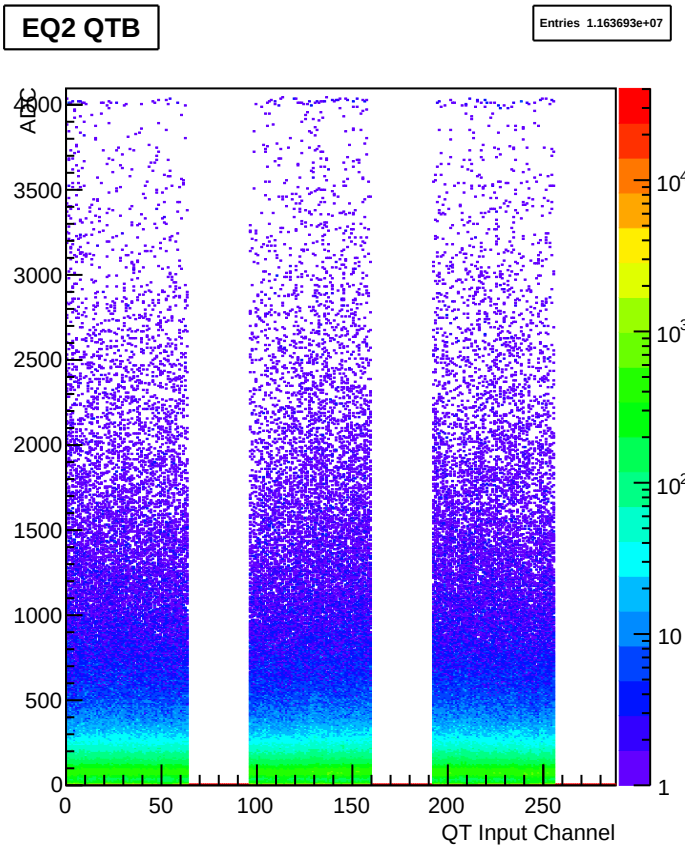

BBQ-VP002 West
Entries 646496
TADC
QT Input Channel

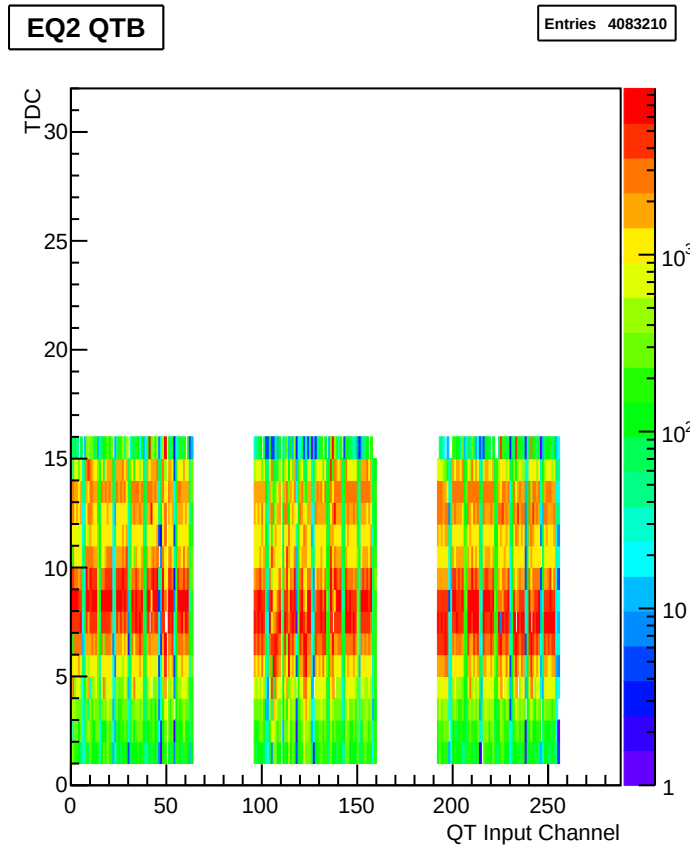

EQ1 QTB
Entries 1.163693e+07
ADC
QT Input Channel

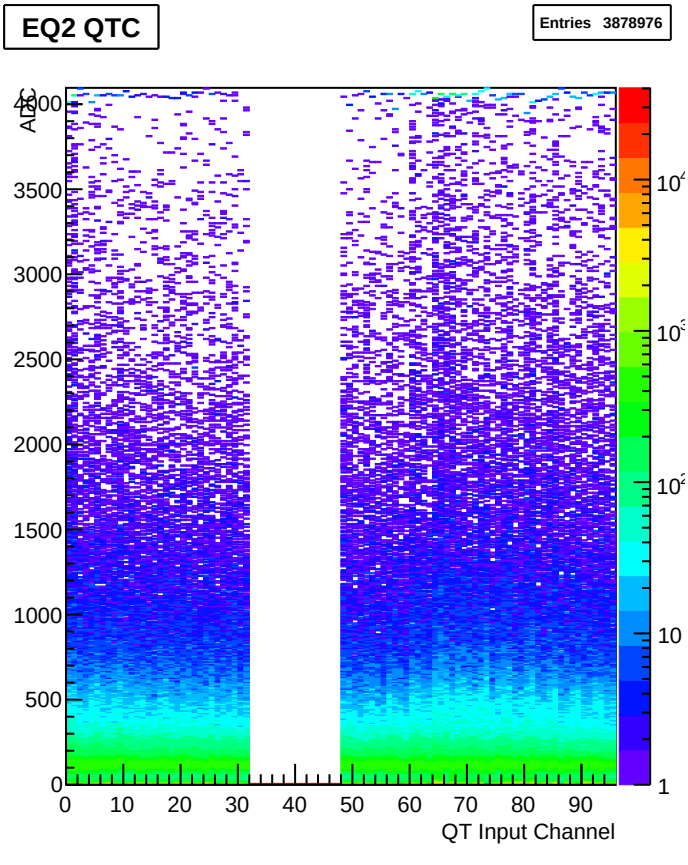

EQ1 QTB
Entries 3809683
TDC
QT Input Channel

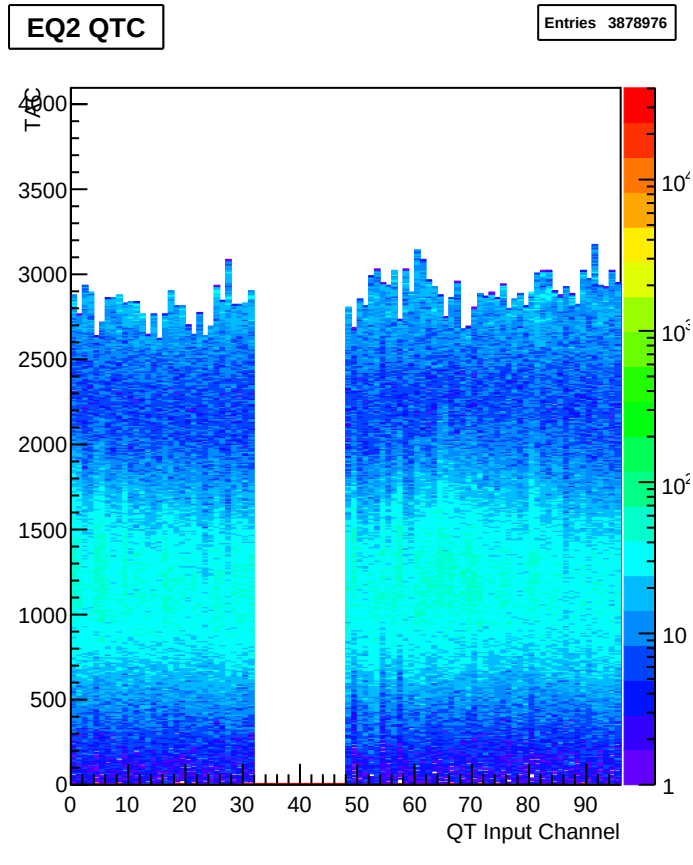

EQ1 QTC
Entries 3878976
ADC
QT Input Channel

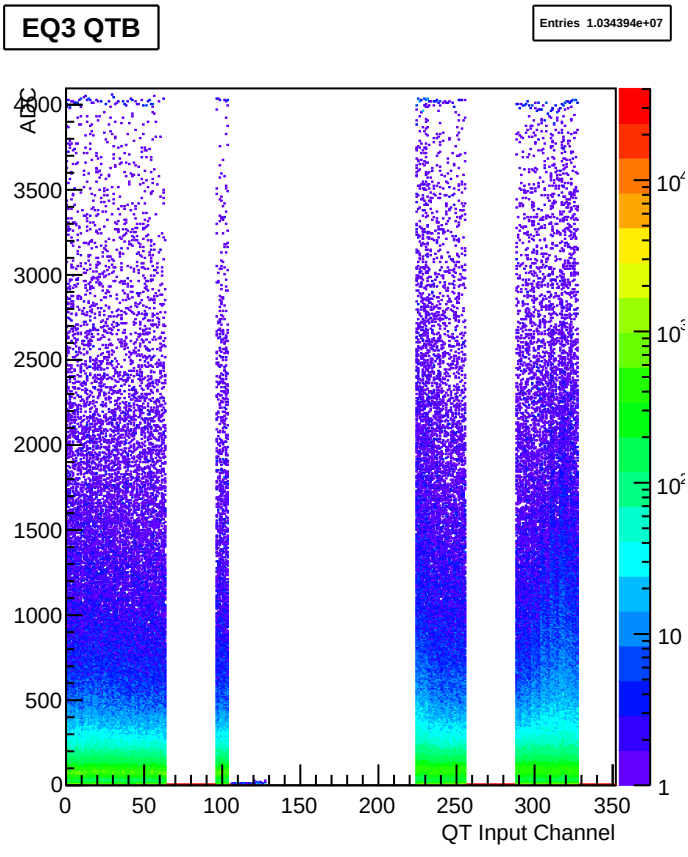

EQ1 QTC
Entries 3878976
TADC
QT Input Channel

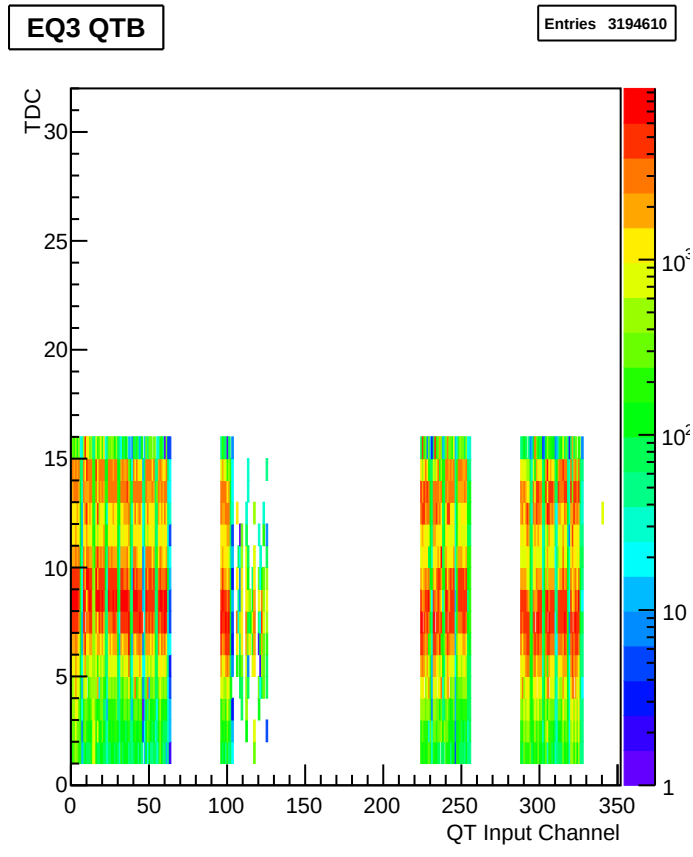

EQ2 QTB
Entries 1.163693e+07
ADC
QT Input Channel

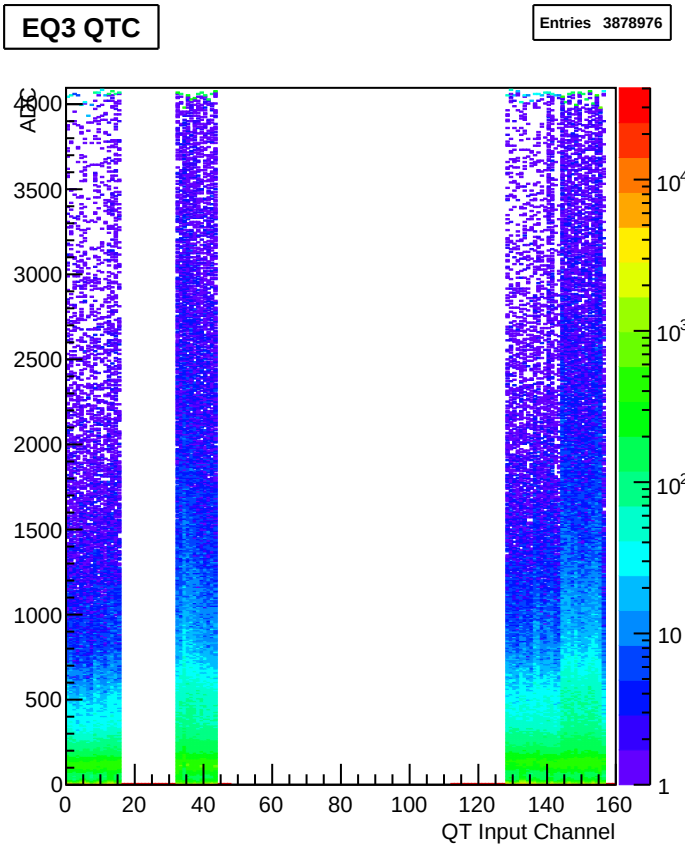

EQ2 QTB
Entries 4083210
TDC
QT Input Channel

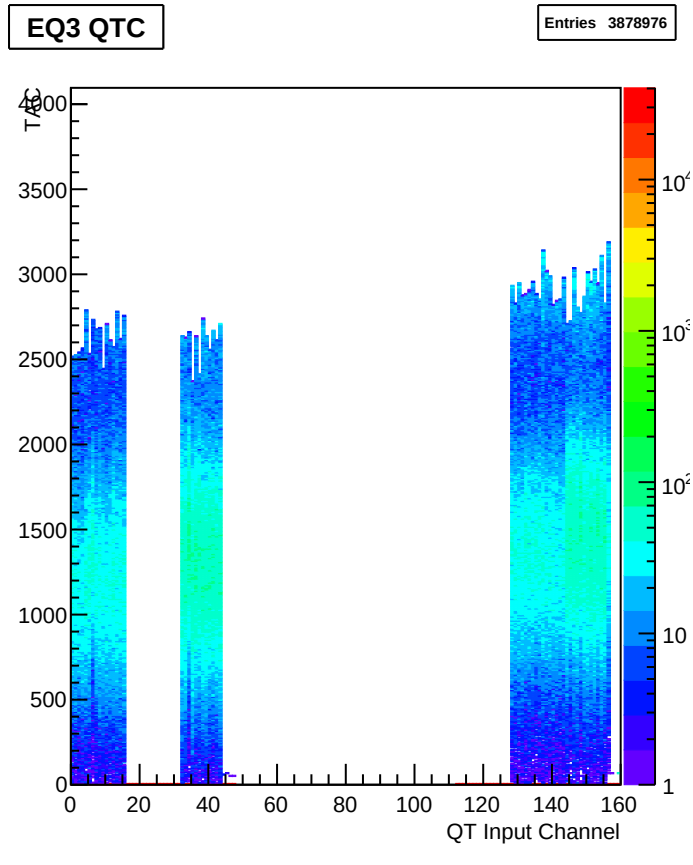

EQ2 QTC
Entries 3878976
ADC
QT Input Channel

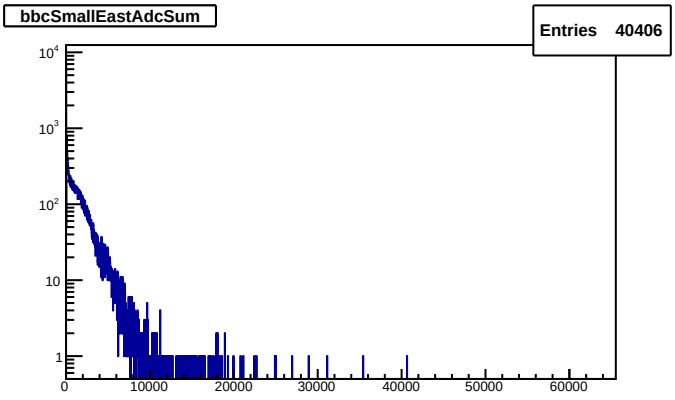

EQ2 QTC
Entries 3878976
TADC
QT Input Channel

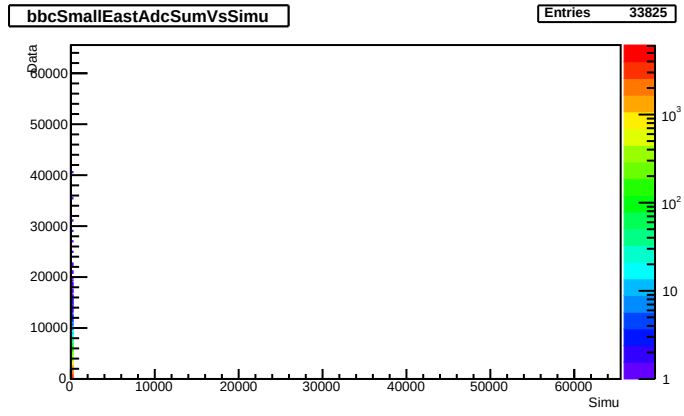

EQ3 QTB
Entries 1.034394e+07
ADC
QT Input Channel

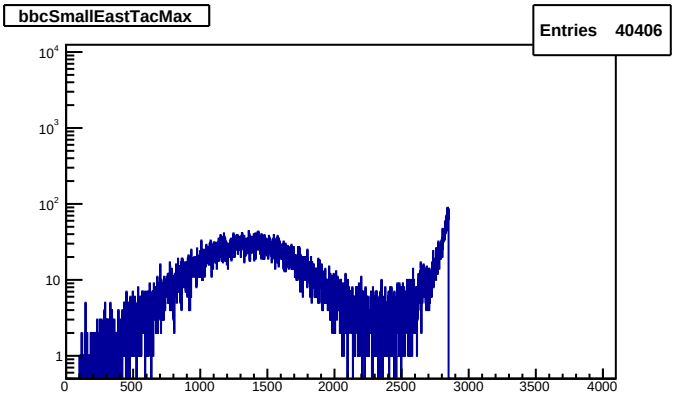

EQ3 QTB
Entries 3194610
TDC
QT Input Channel

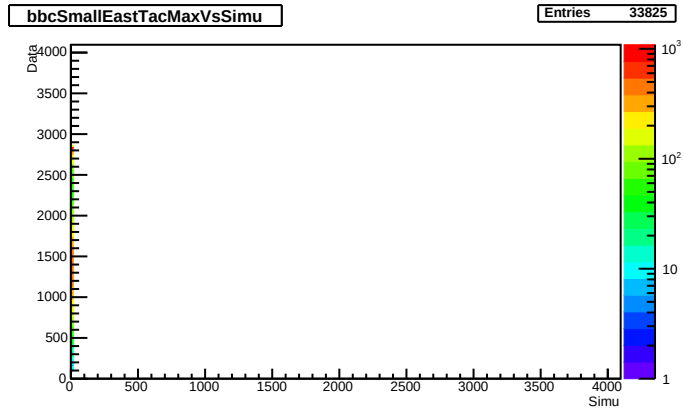

EQ3 QTC
Entries 3878976
ADC
QT Input Channel

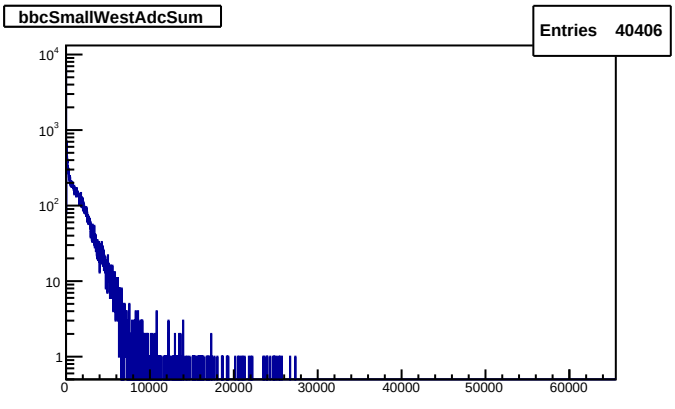

EQ3 QTC
Entries 3878976
TADC
QT Input Channel

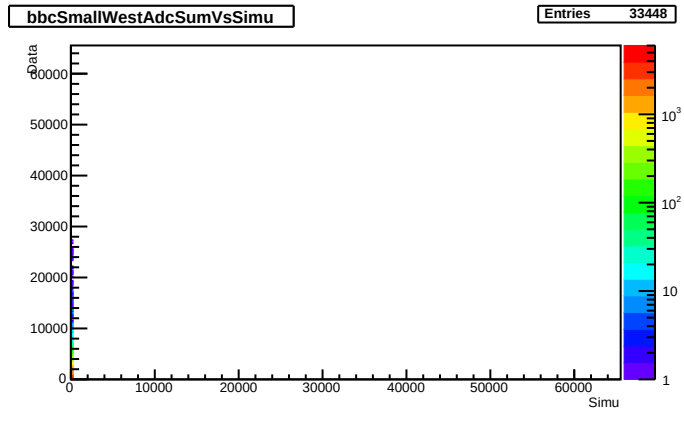

bbcSmallEastAdcSum
Entries 40406

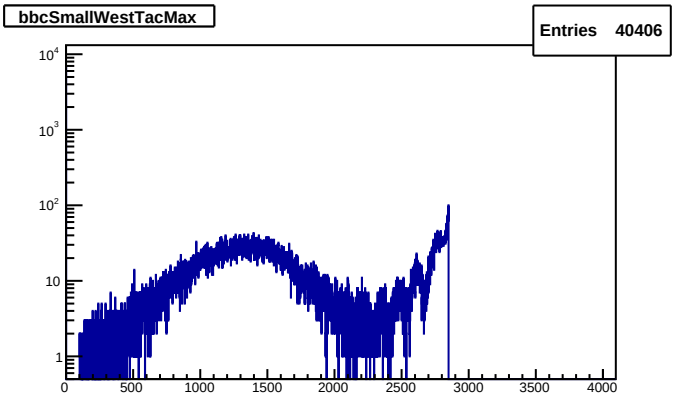

bbcSmallEastAdcSumVsSimu
Entries 33825
Data
Simu

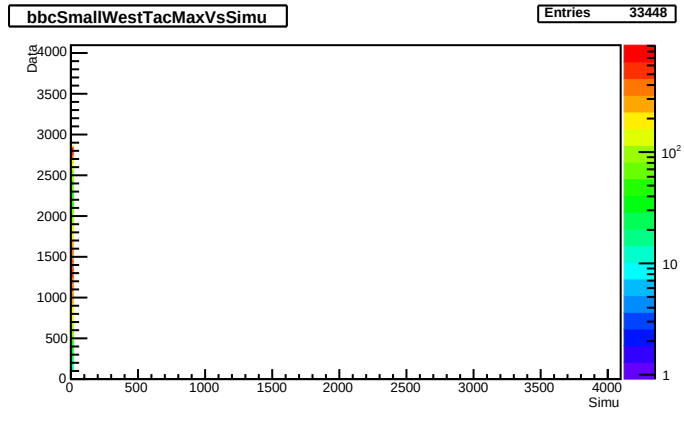

bbcSmallEastTacMax
Entries 40406

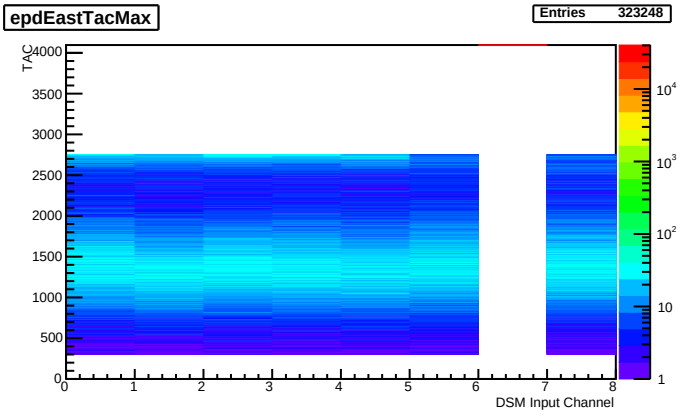

bbcSmallEastTacMaxVsSimu
Entries 33825
Data
Simu

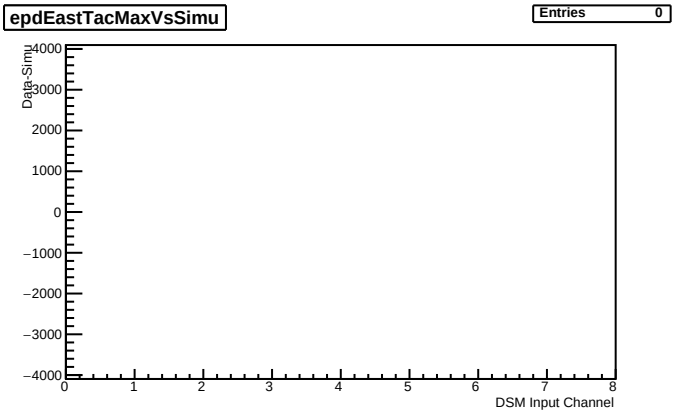

bbcSmallWestAdcSum
Entries 40406

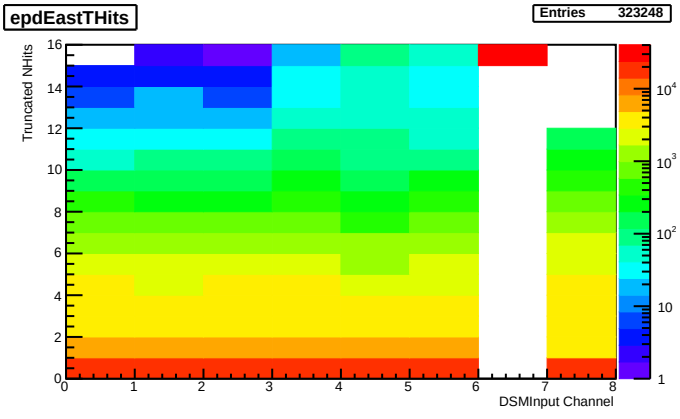

bbcSmallWestAdcSumVsSimu
Entries 33448
Data
Simu

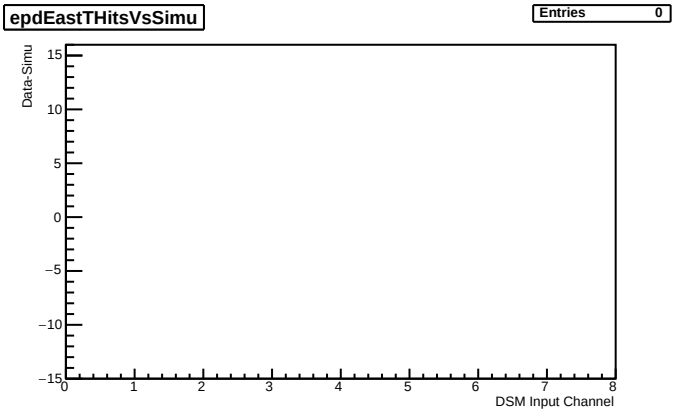

bbcSmallWestTacMax
Entries 40406

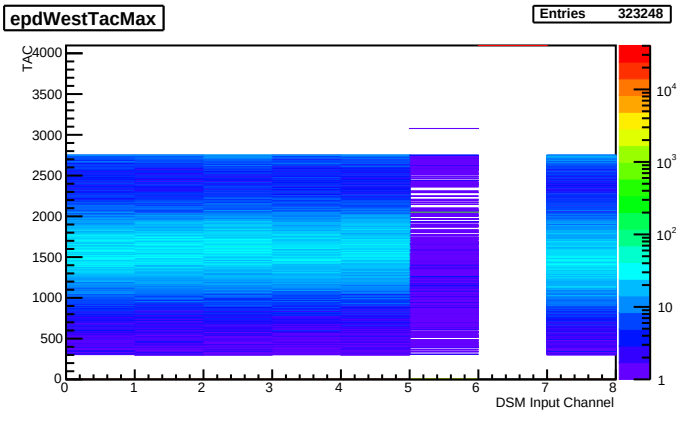

bbcSmallWestTacMaxVsSimu
Entries 33448
Data
Simu

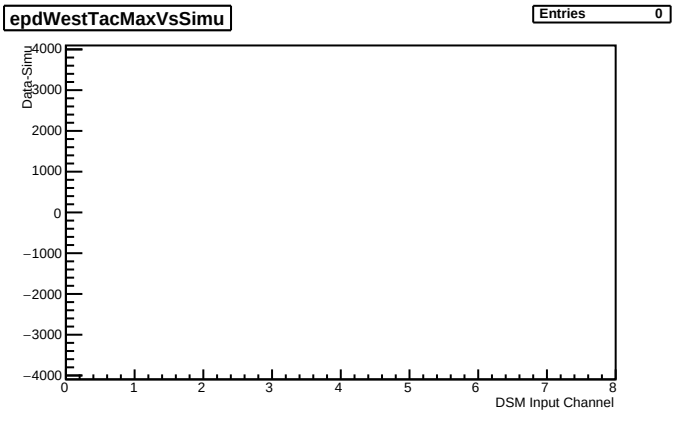

epdEastTacMax
Entries 323248
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 323248
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 323248
TAC
DSM Input Channel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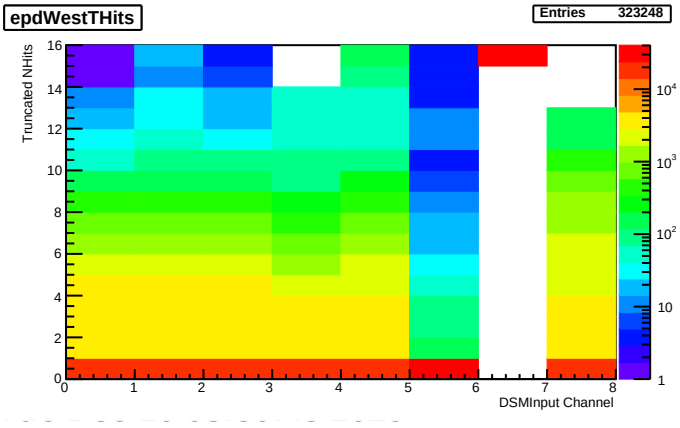
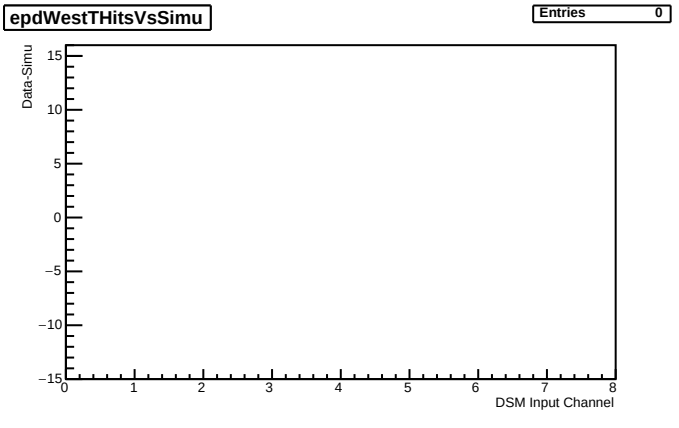
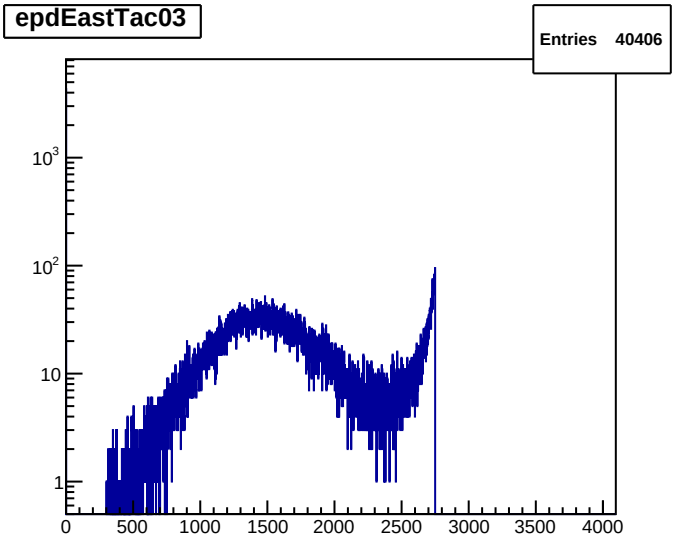
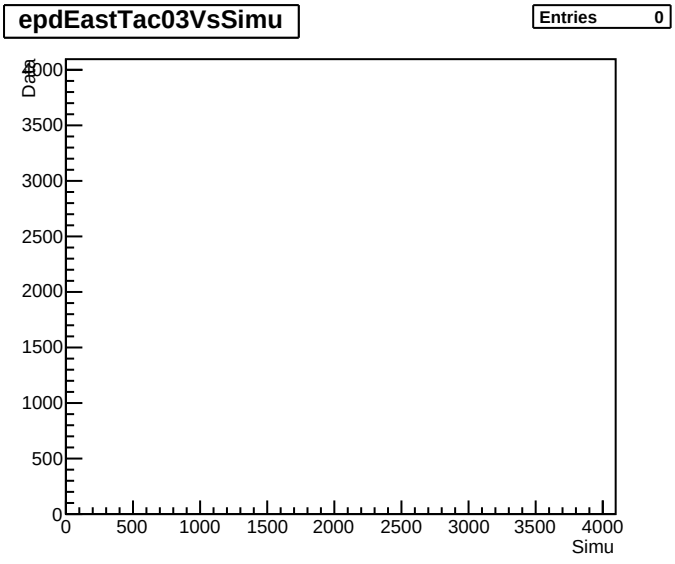
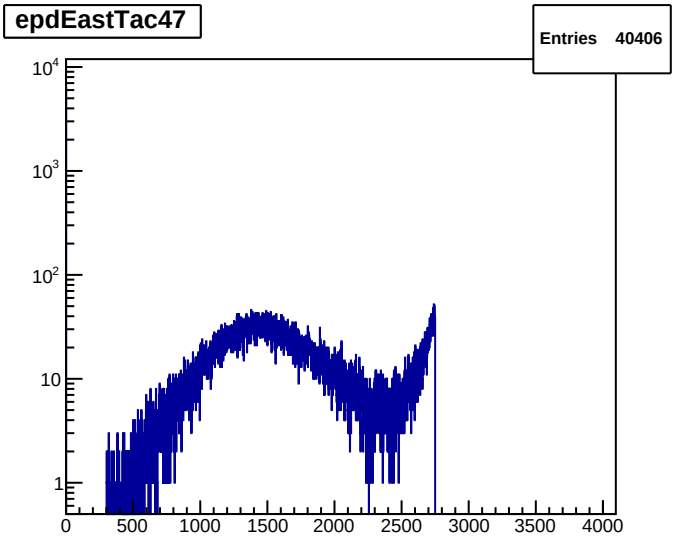
Entries 0
Data-Simu
DSM Input Channel

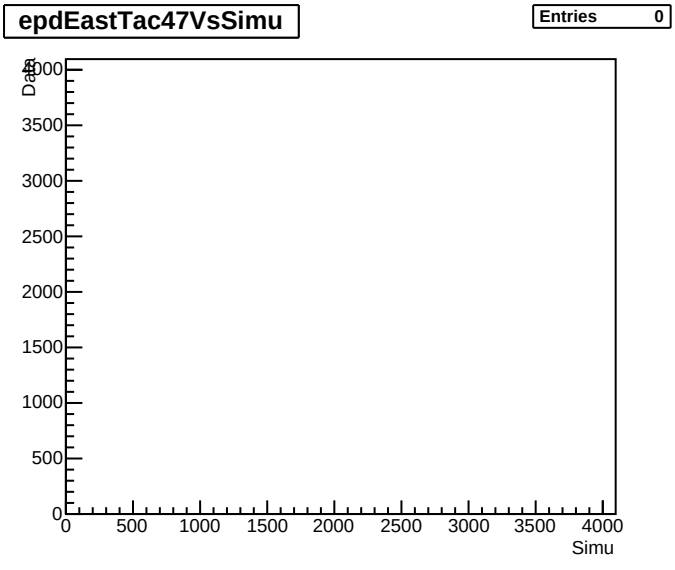

epdWestTHits
Entries 323248
Truncated NHits
DSMInput Channel

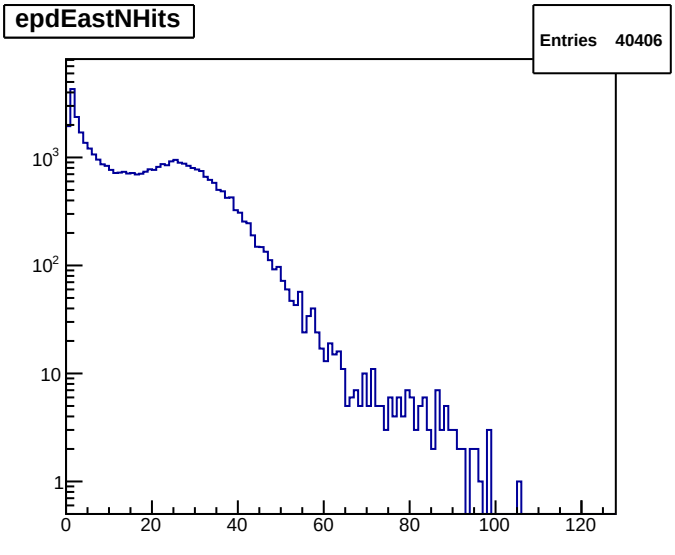

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

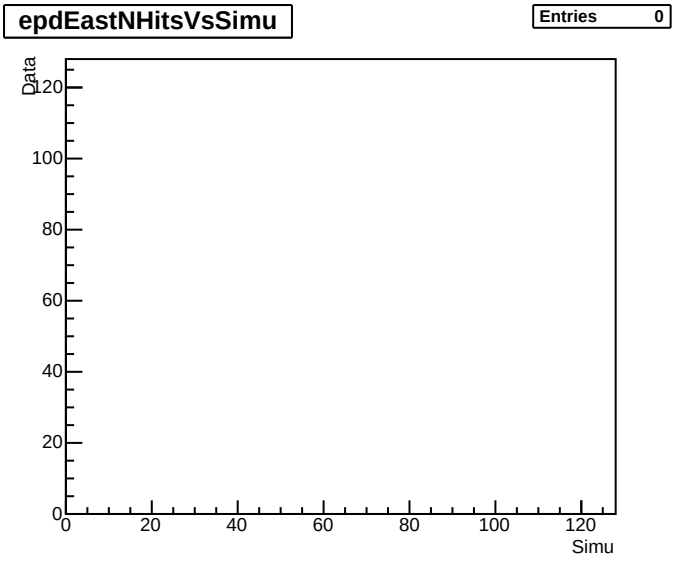

epdEastTac03
Entries 40406


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 40406


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 40406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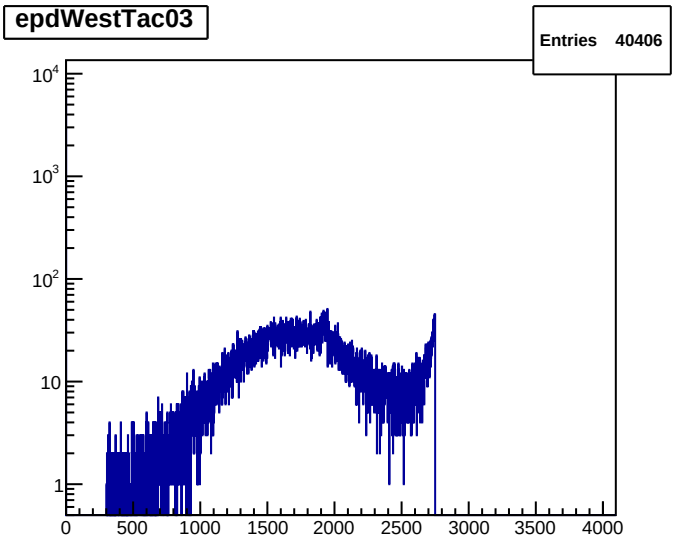
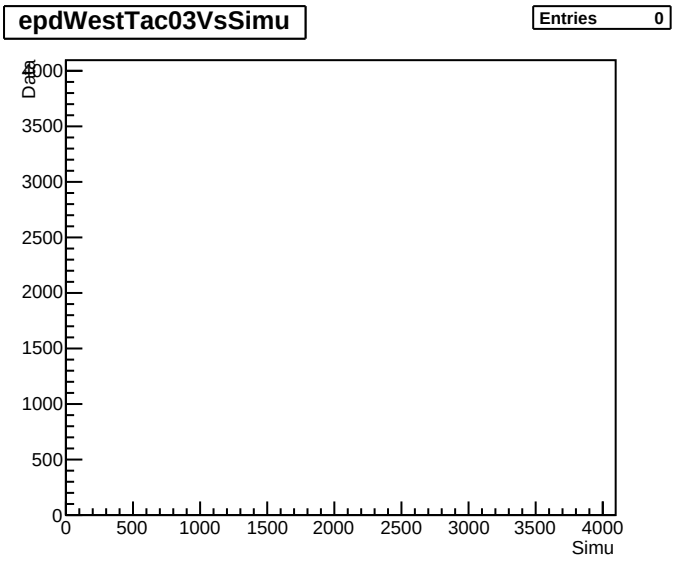
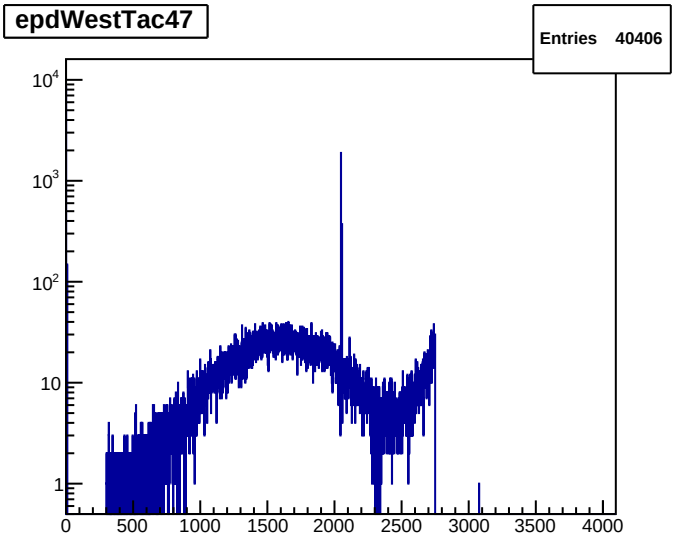
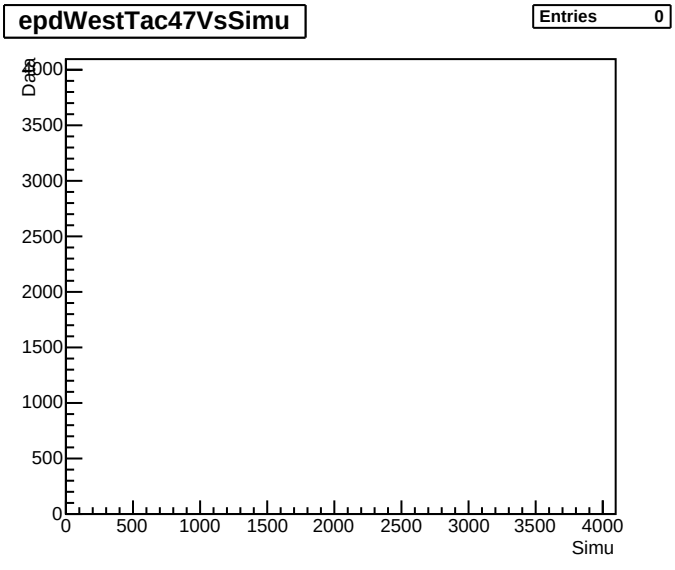
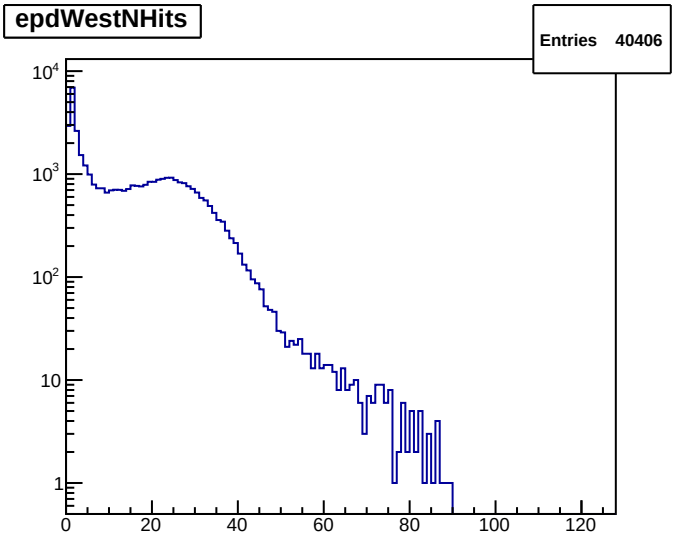
Entries 0
Data
Simu

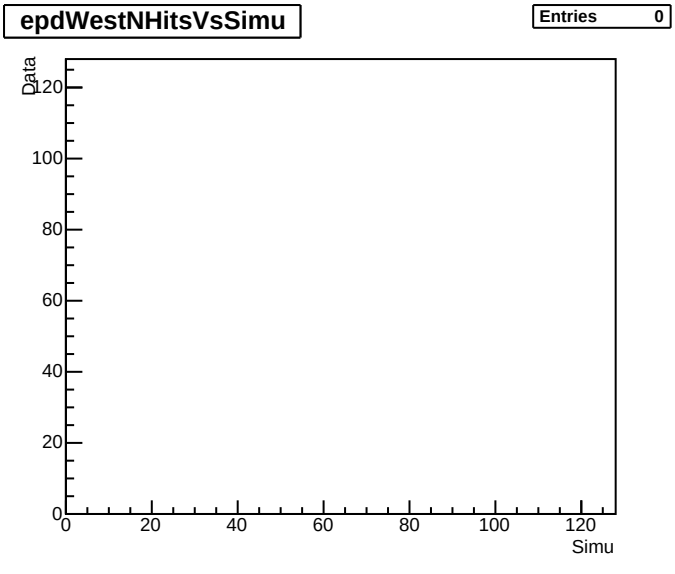

epdWestTac03
Entries 40406

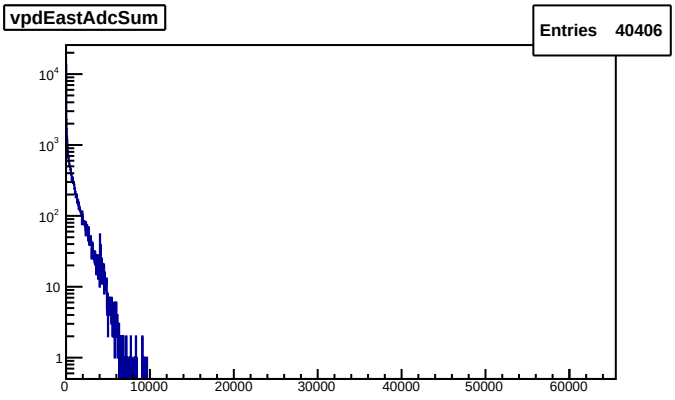

epdWestTac03VsSimu
Entries 0
Data
Simu

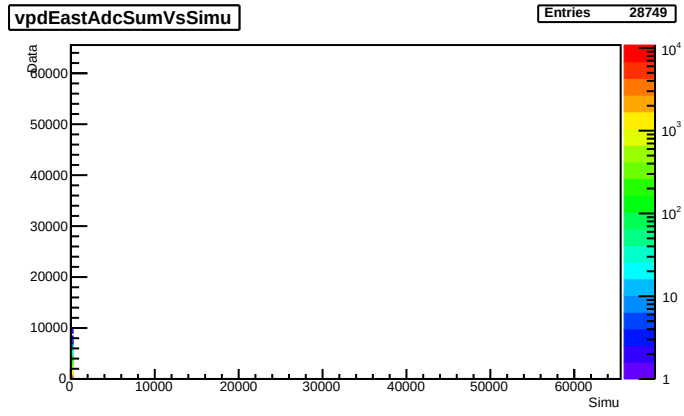

epdWestTac47
Entries 40406

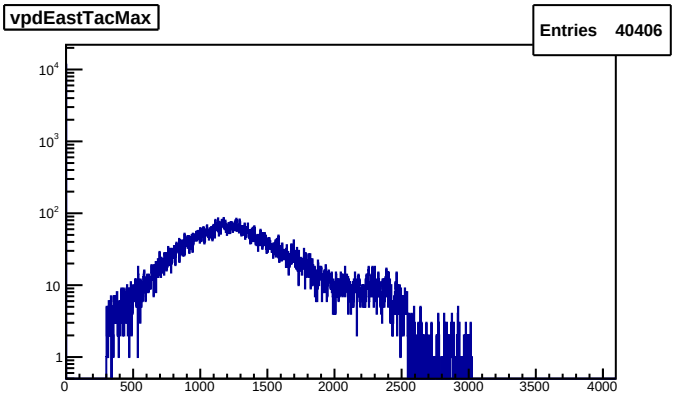

epdWestTac47VsSimu
Entries 0
Data
Simu

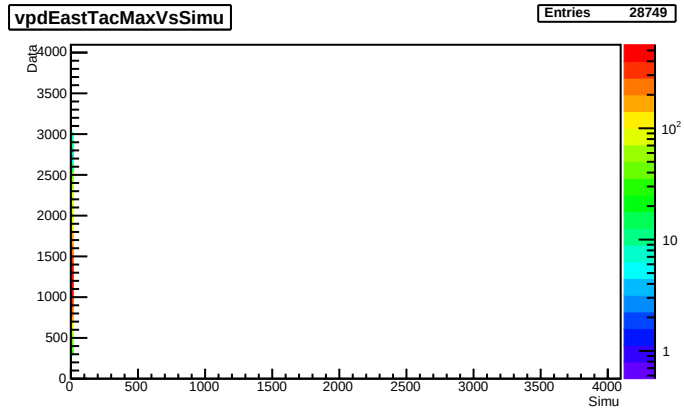

epdWestNHits
Entries 40406

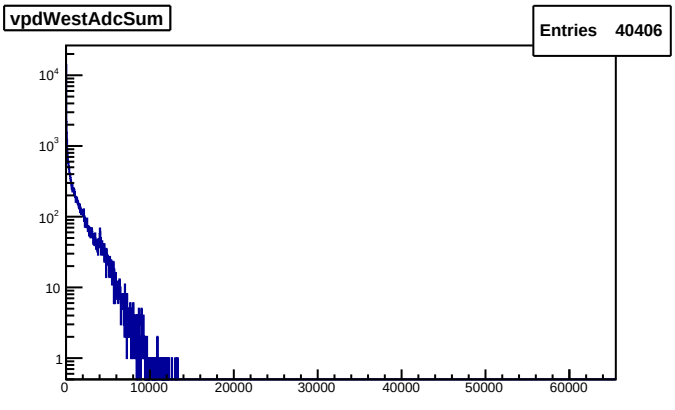

epdWestNHitsVsSimu
Entries 0
Data
Simu

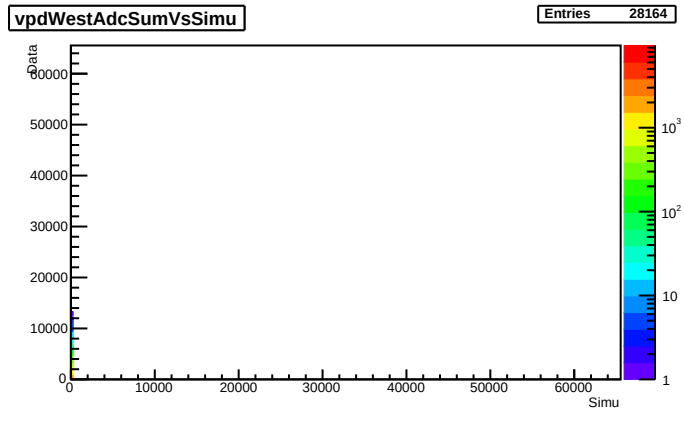

vpdEastAdcSum
Entries 40406

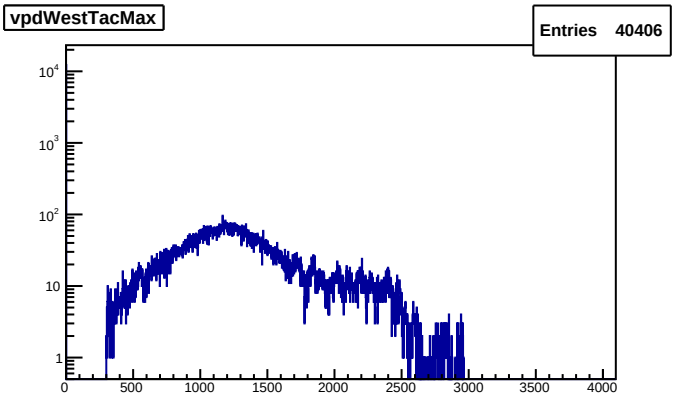

vpdEastAdcSumVsSimu
Entries 28749
Data
Simu

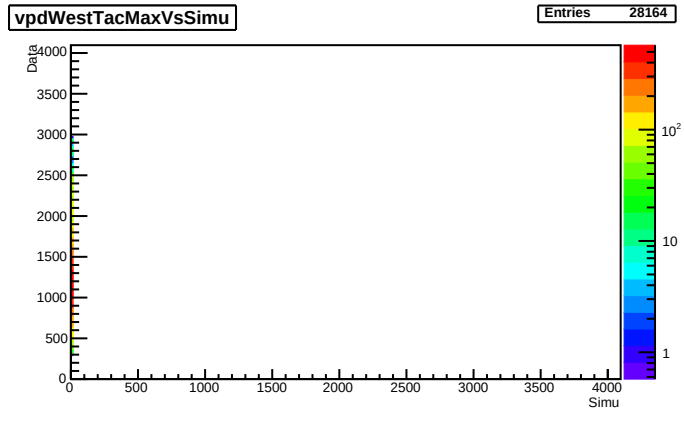

vpdEastTacMax
Entries 40406

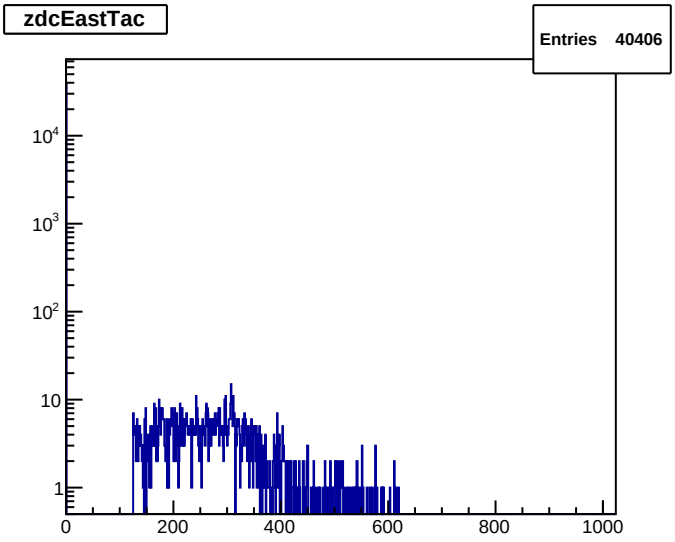

vpdEastTacMaxVsSimu
Entries 28749
Data
Simu

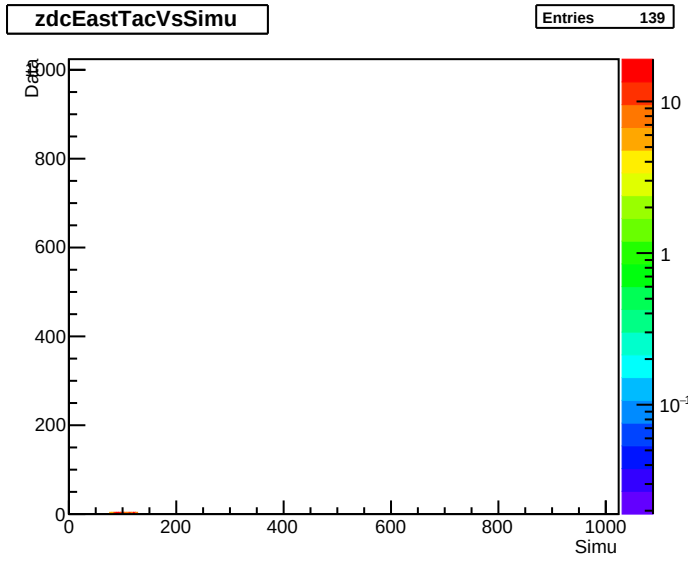

vpdWestAdcSum
Entries 40406

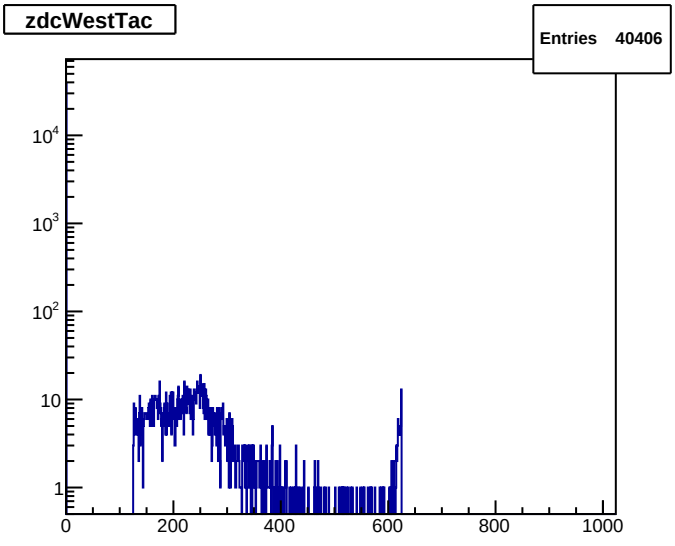

vpdWestAdcSumVsSimu
Entries 28164
Data
Simu

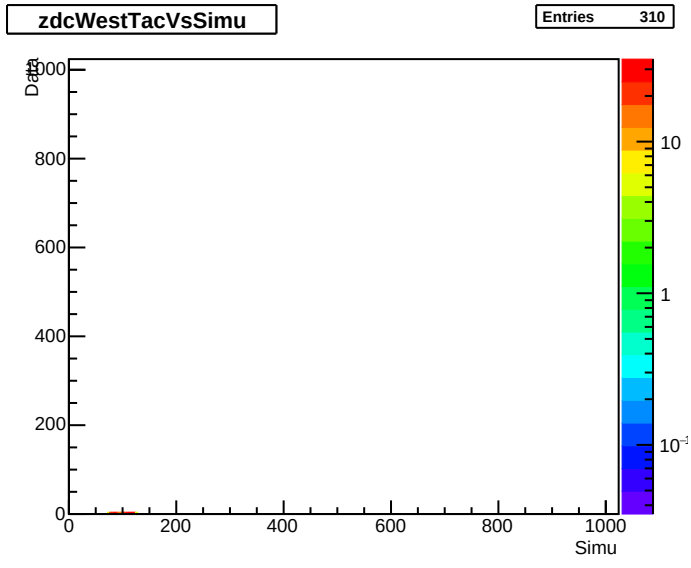

vpdWestTacMax
Entries 40406

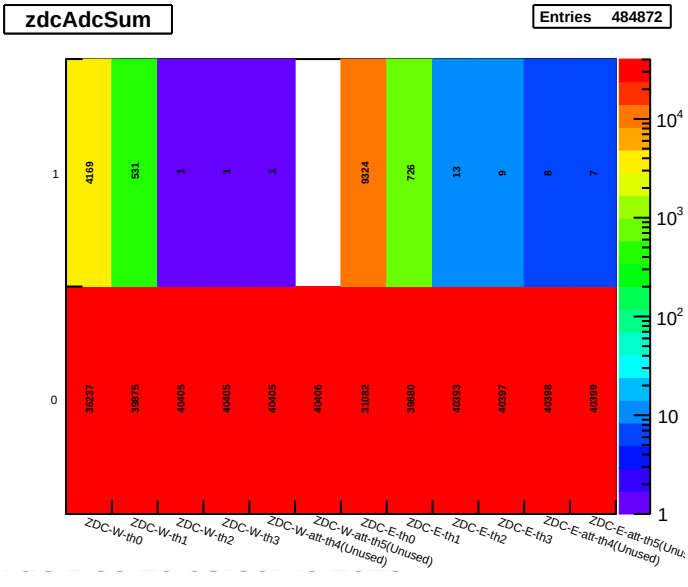

vpdWestTacMaxVsSimu
Entries 28164
Data
Simu

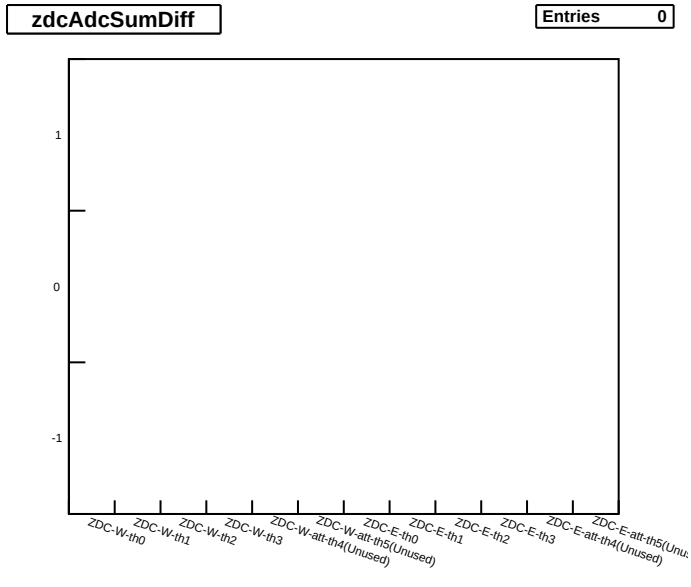

zdcEastTac
Entries 40406

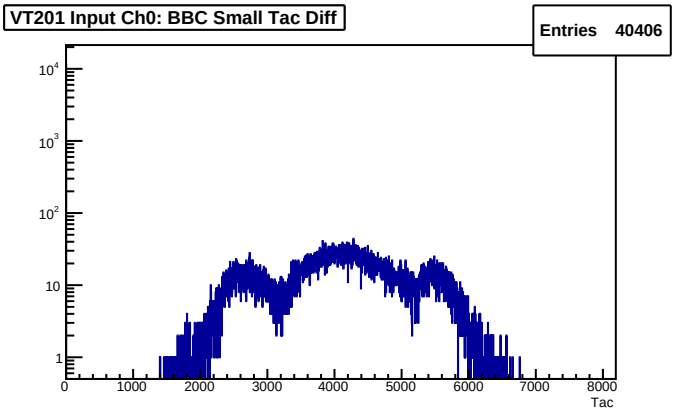

zdcEastTacVsSimu
Entries 139
Data
Simu

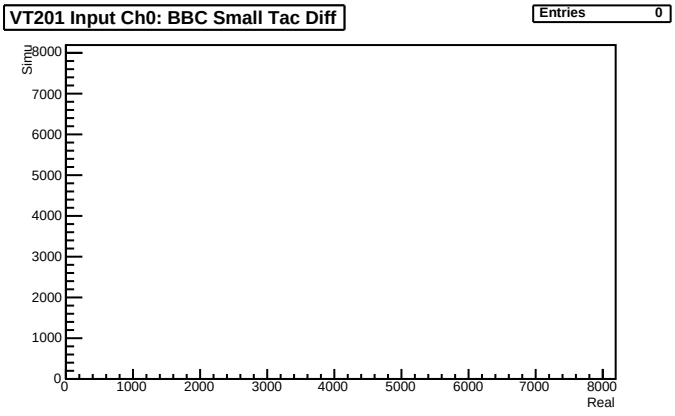

zdcWestTac
Entries 40406

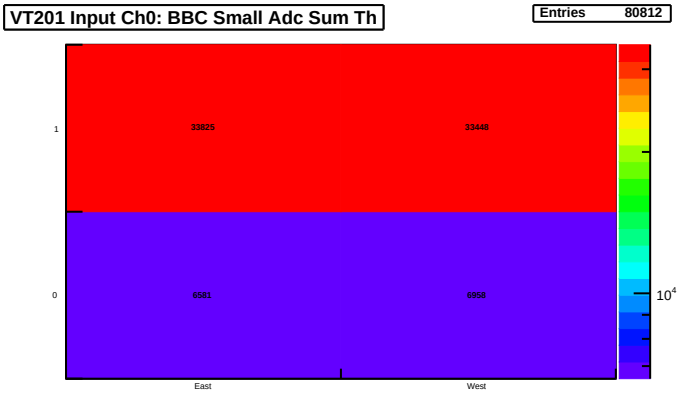

zdcWestTacVsSimu
Entries 310
Data
Simu

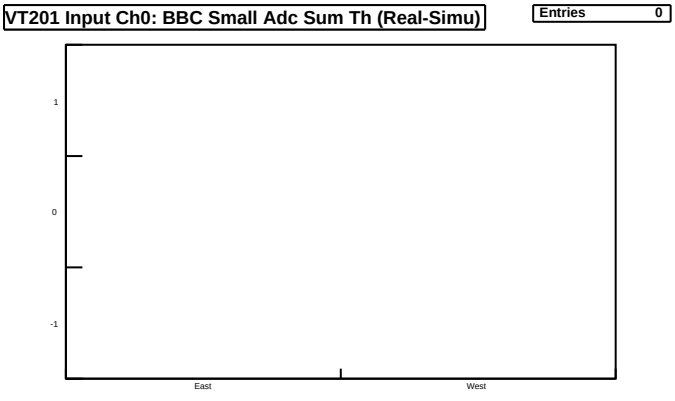

zdcAdcSum
Entries 484872
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

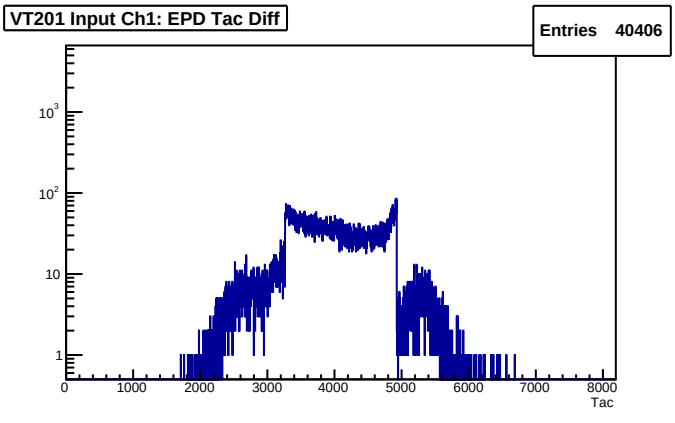

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

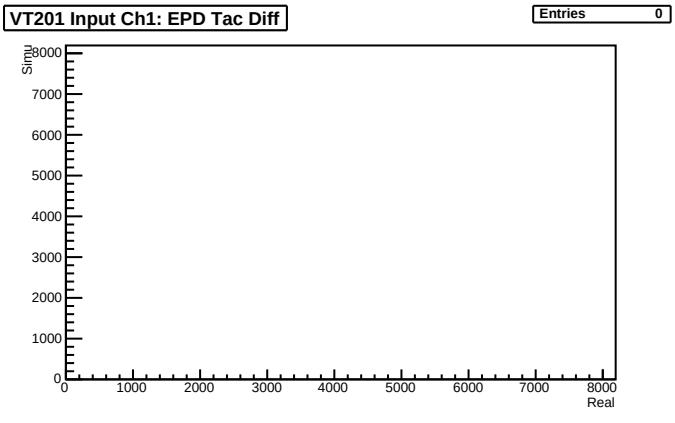

VT201 Input Ch0: BBC Small Tac Diff
Entries 40406
Tac

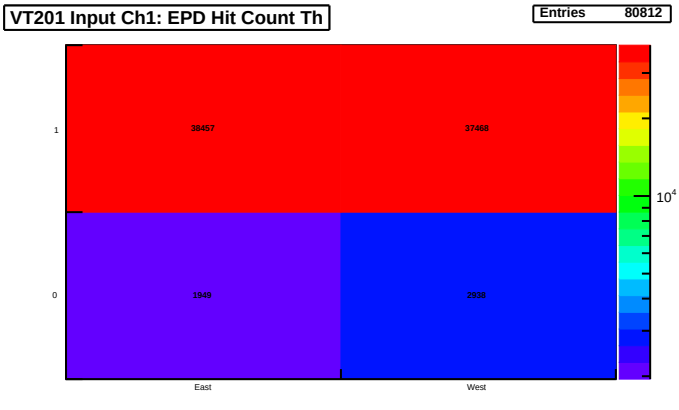

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

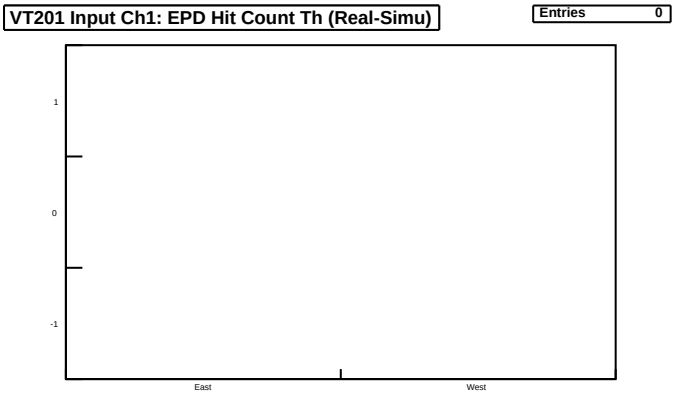

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 80812
33825
33448
6581
6958
East
West

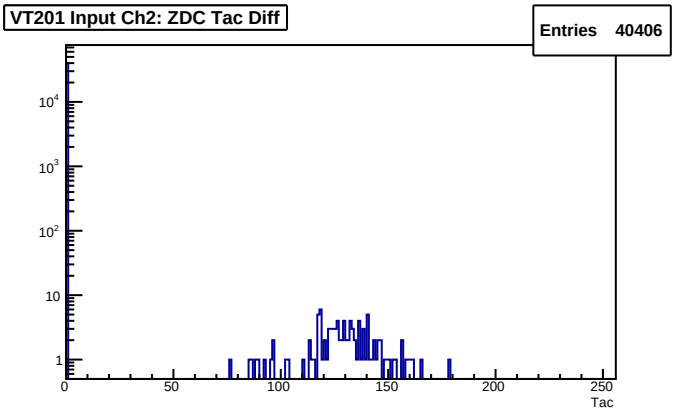

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

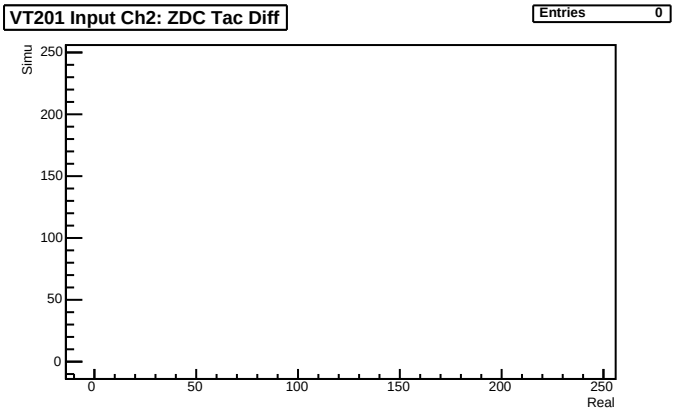

VT201 Input Ch1: EPD Tac Diff
Entries 40406
Tac

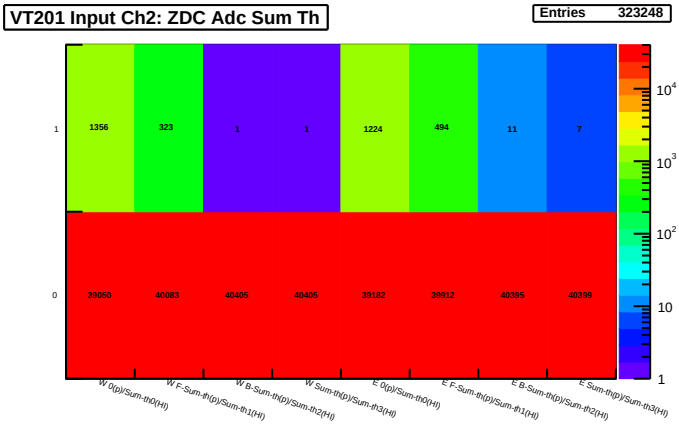

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

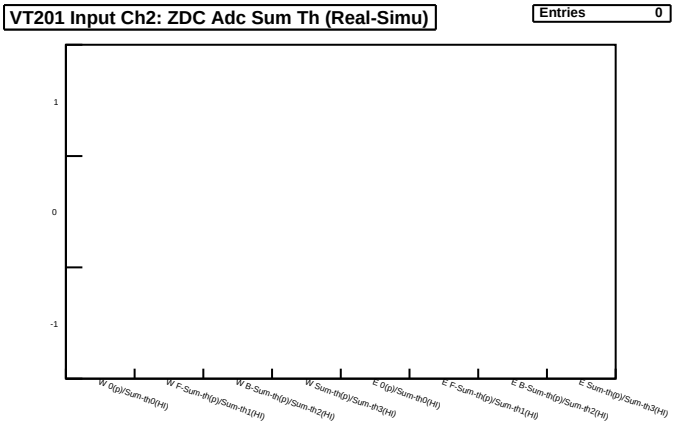

VT201 Input Ch1: EPD Hit Count Th
Entries 80812
38457
37468
1949
2938
East
West

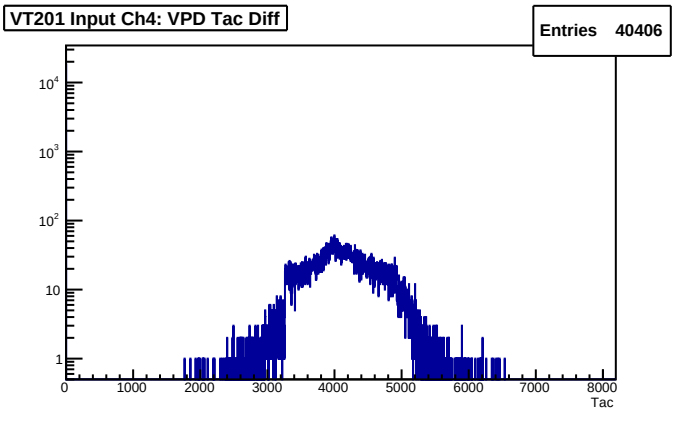

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

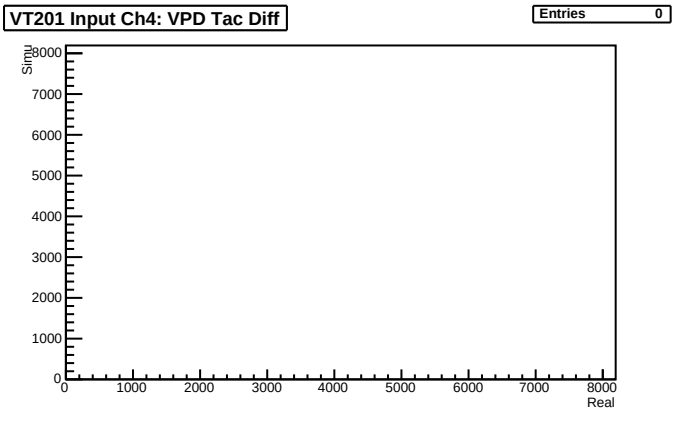

VT201 Input Ch2: ZDC Tac Diff
Entries 40406
Tac

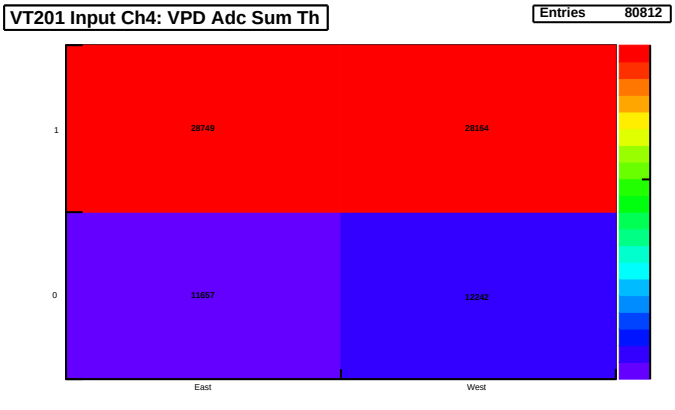

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

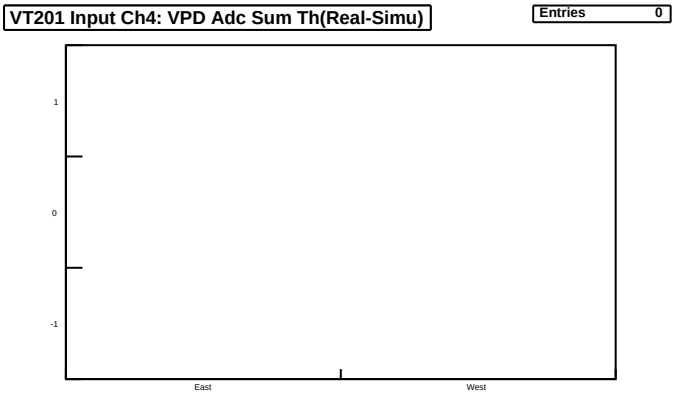

VT201 Input Ch2: ZDC Adc Sum Th
Entries 323248
1356
323
1
1
1224
494
11
7
39050
40083
40405
40405
39182
39912
40395
40399
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

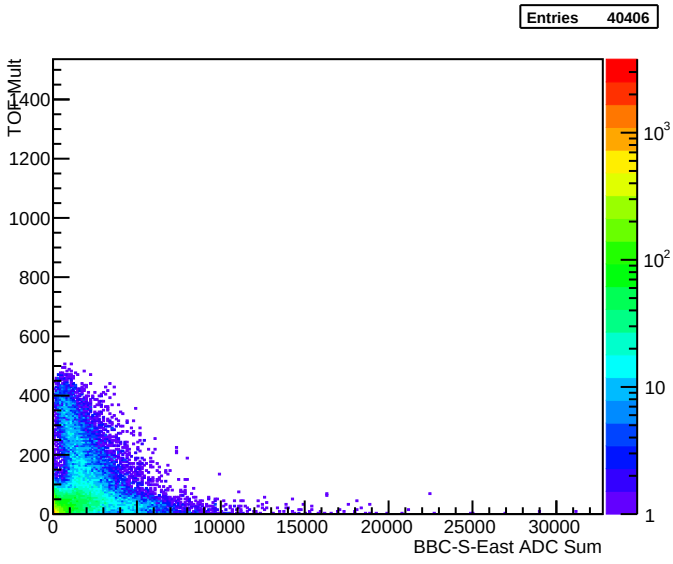

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

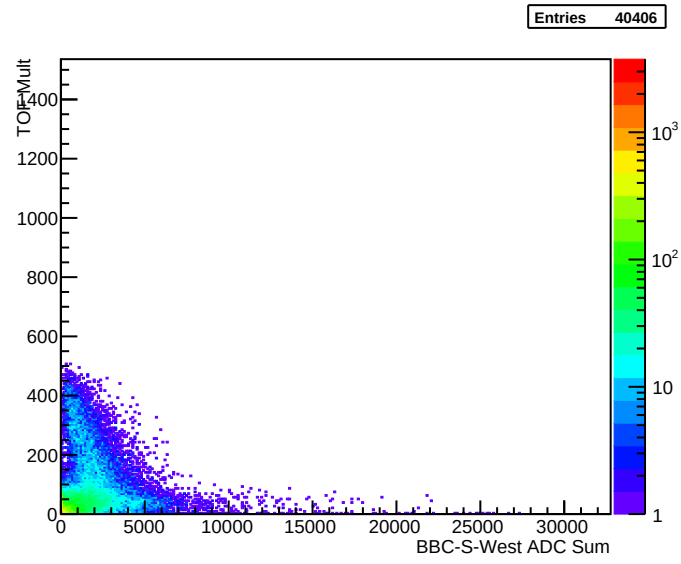

VT201 Input Ch4: VPD Tac Diff
Entries 40406
Tac

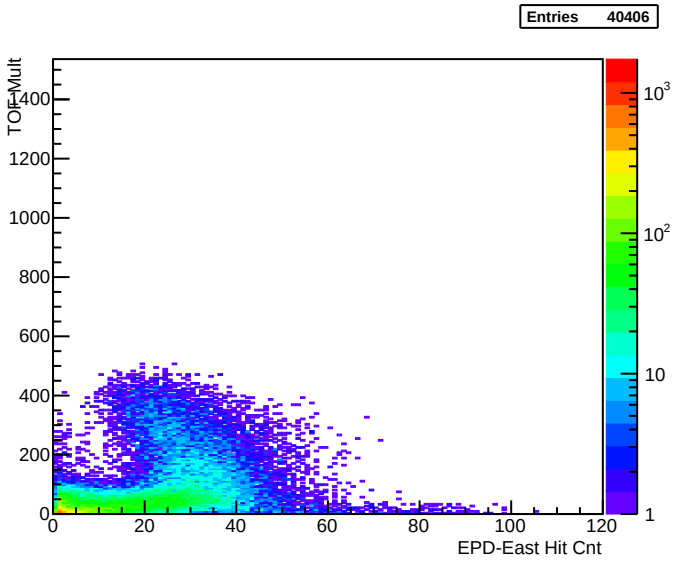

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

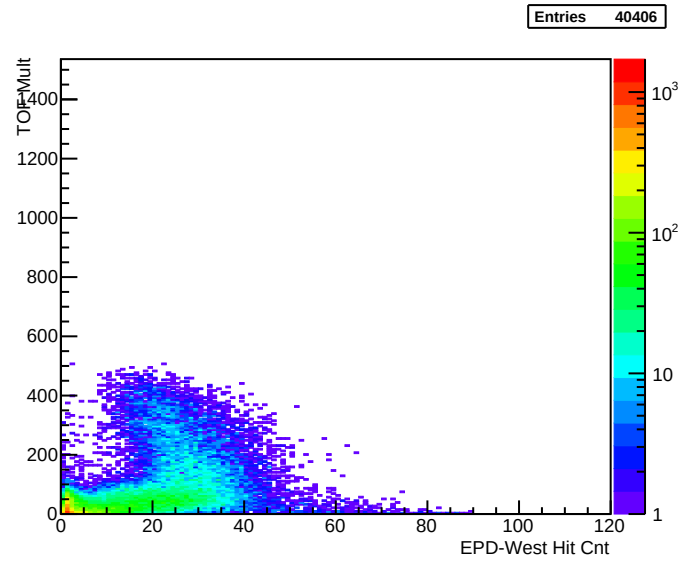

VT201 Input Ch4: VPD Adc Sum Th
Entries 80812
28749
28164
11657
12242
East
West

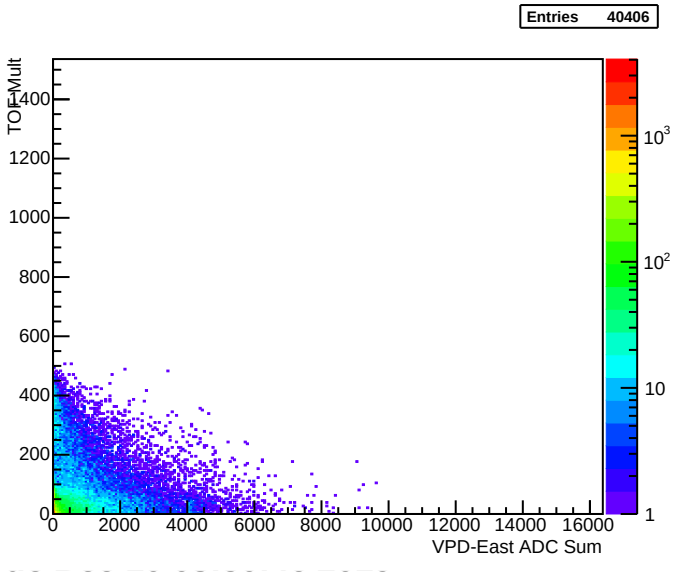

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

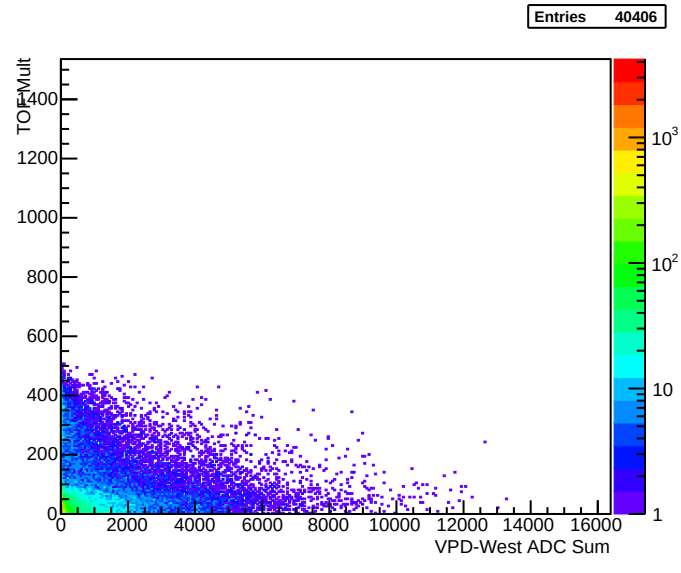

Entries 40406
TOF-Mult
BBC-S-East ADC Sum

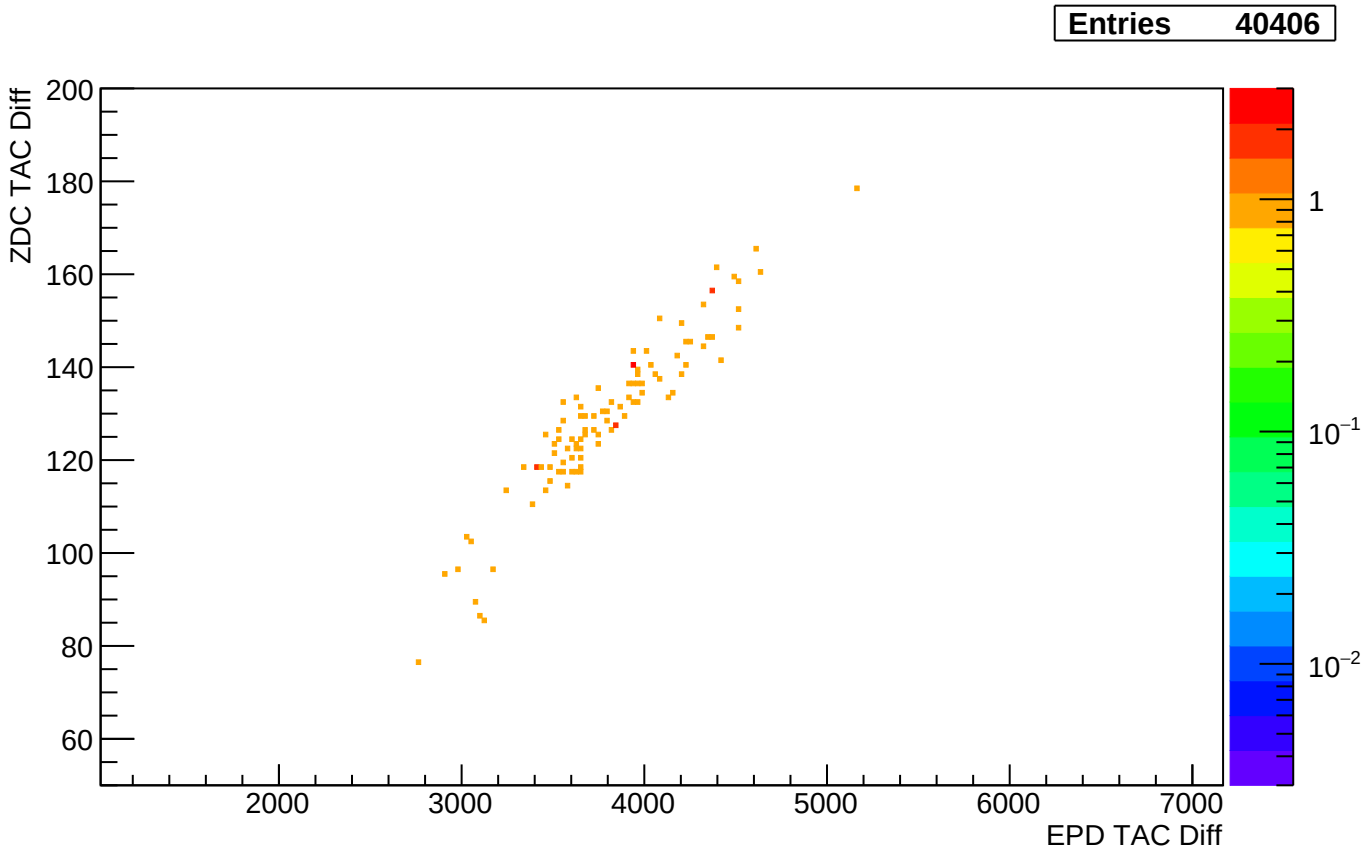

Entries 40406
TOF-Mult
BBC-S-West ADC Sum

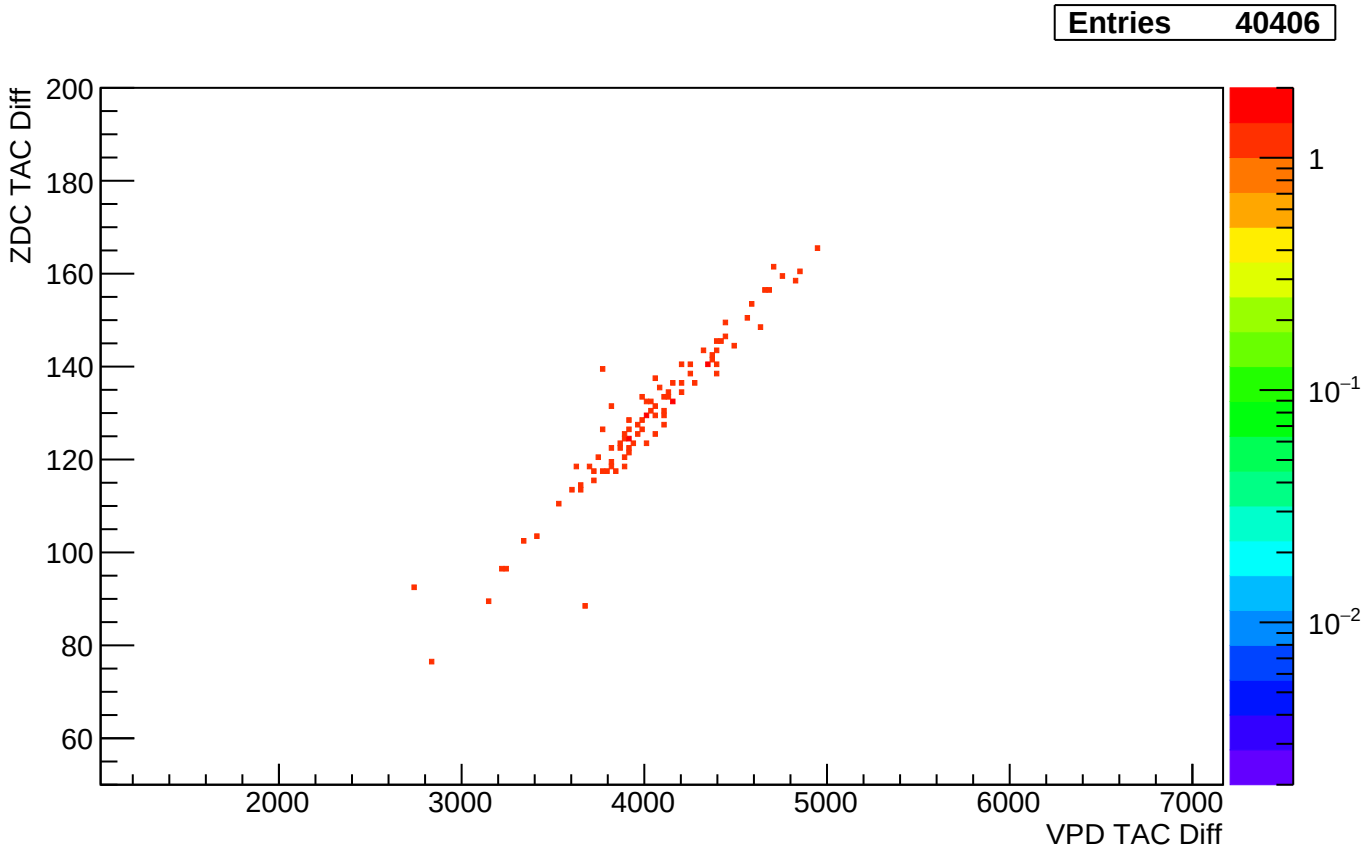

Entries 40406
TOF-Mult
EPD-East Hit Cnt

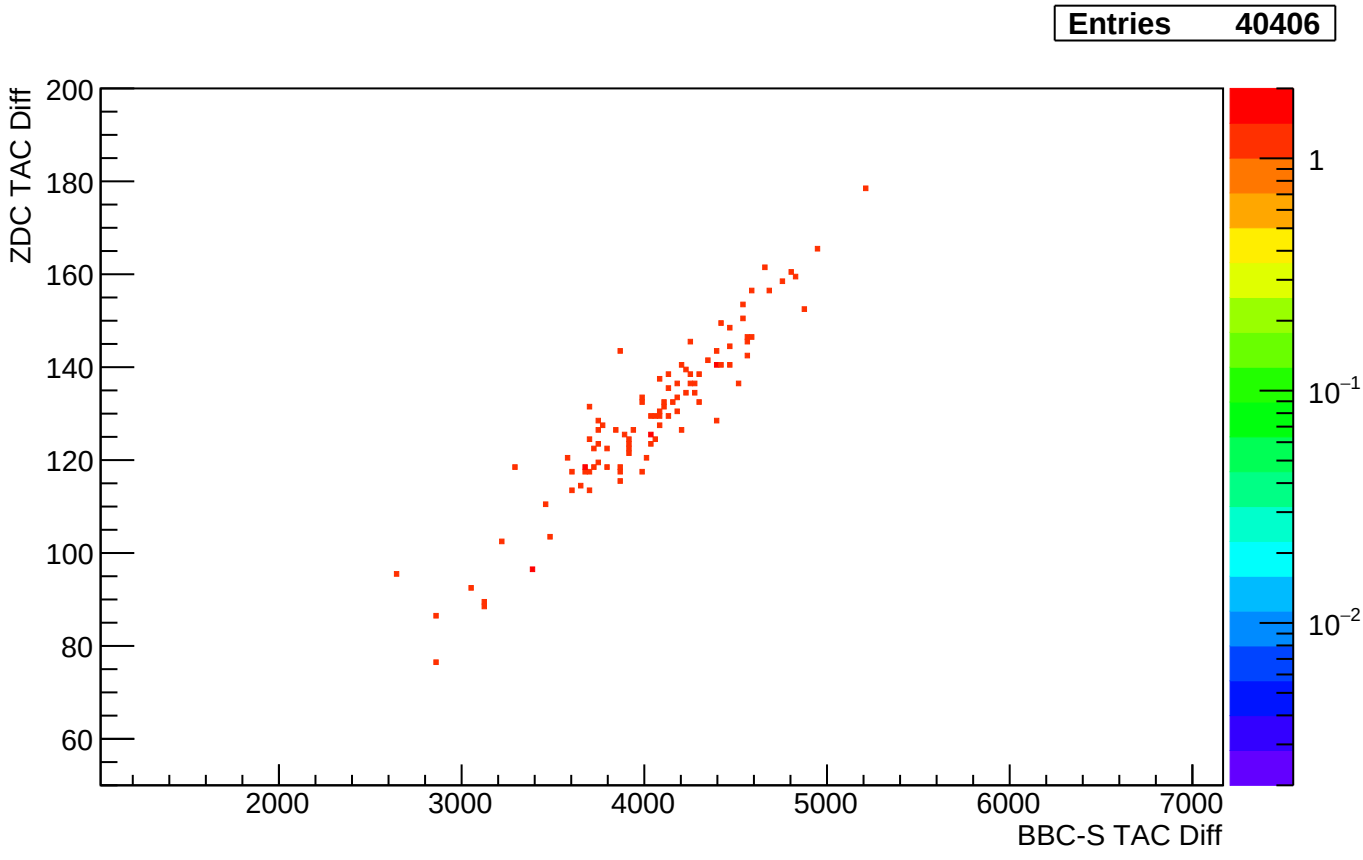

Entries 40406
TOF-Mult
EPD-West Hit Cnt

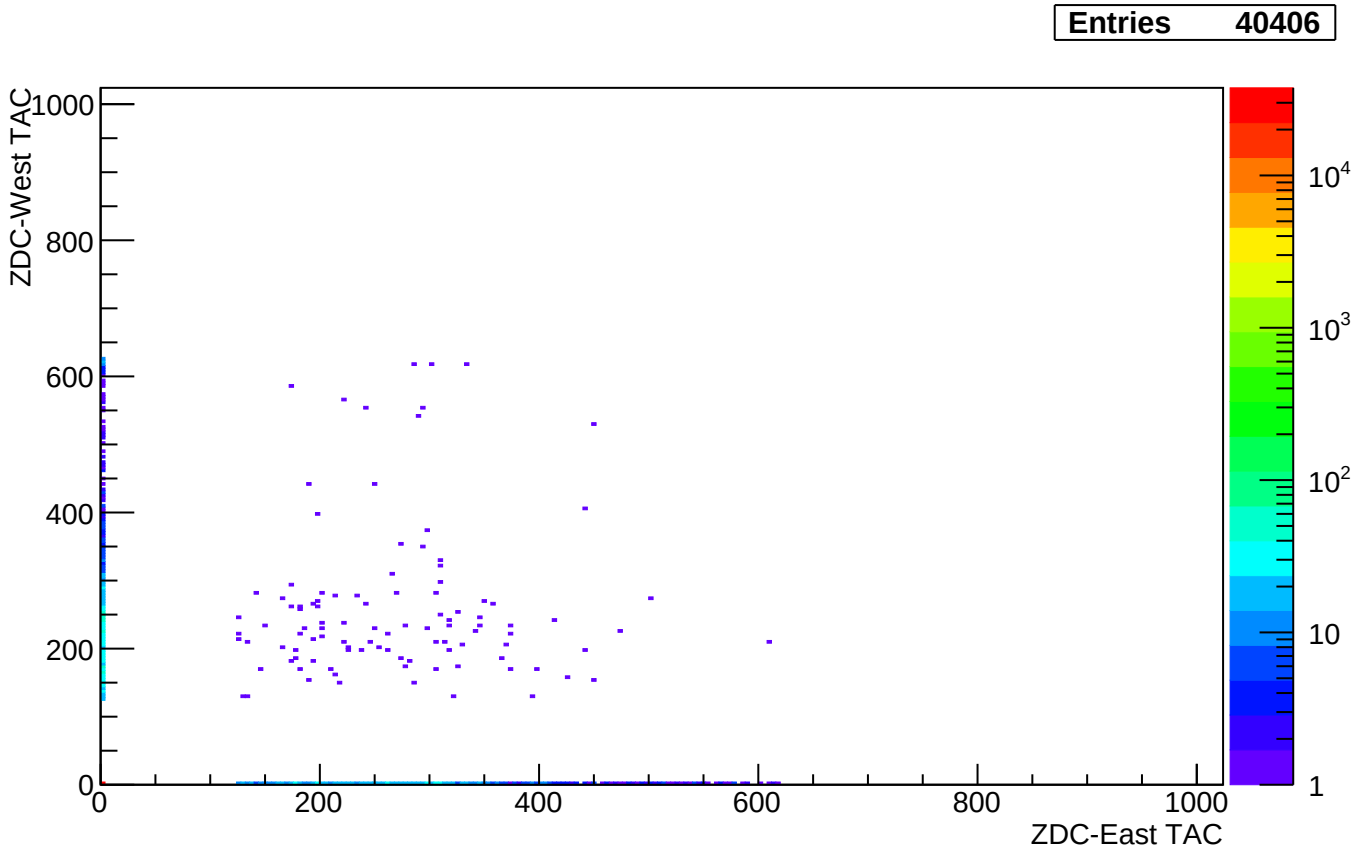

Entries 40406
TOF-Mult
VPD-East ADC Sum

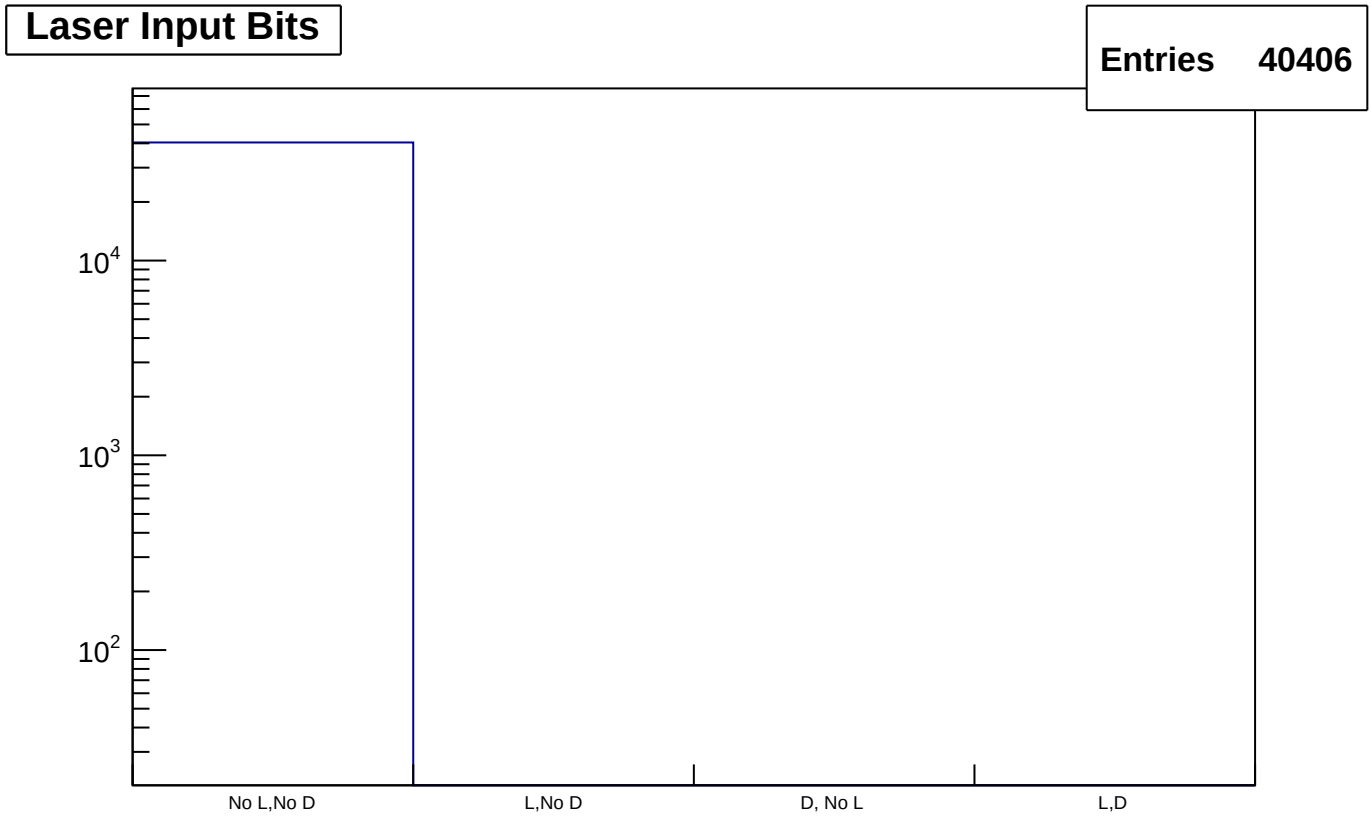

Entries 40406
TOF-Mult
VPD-West ADC Sum

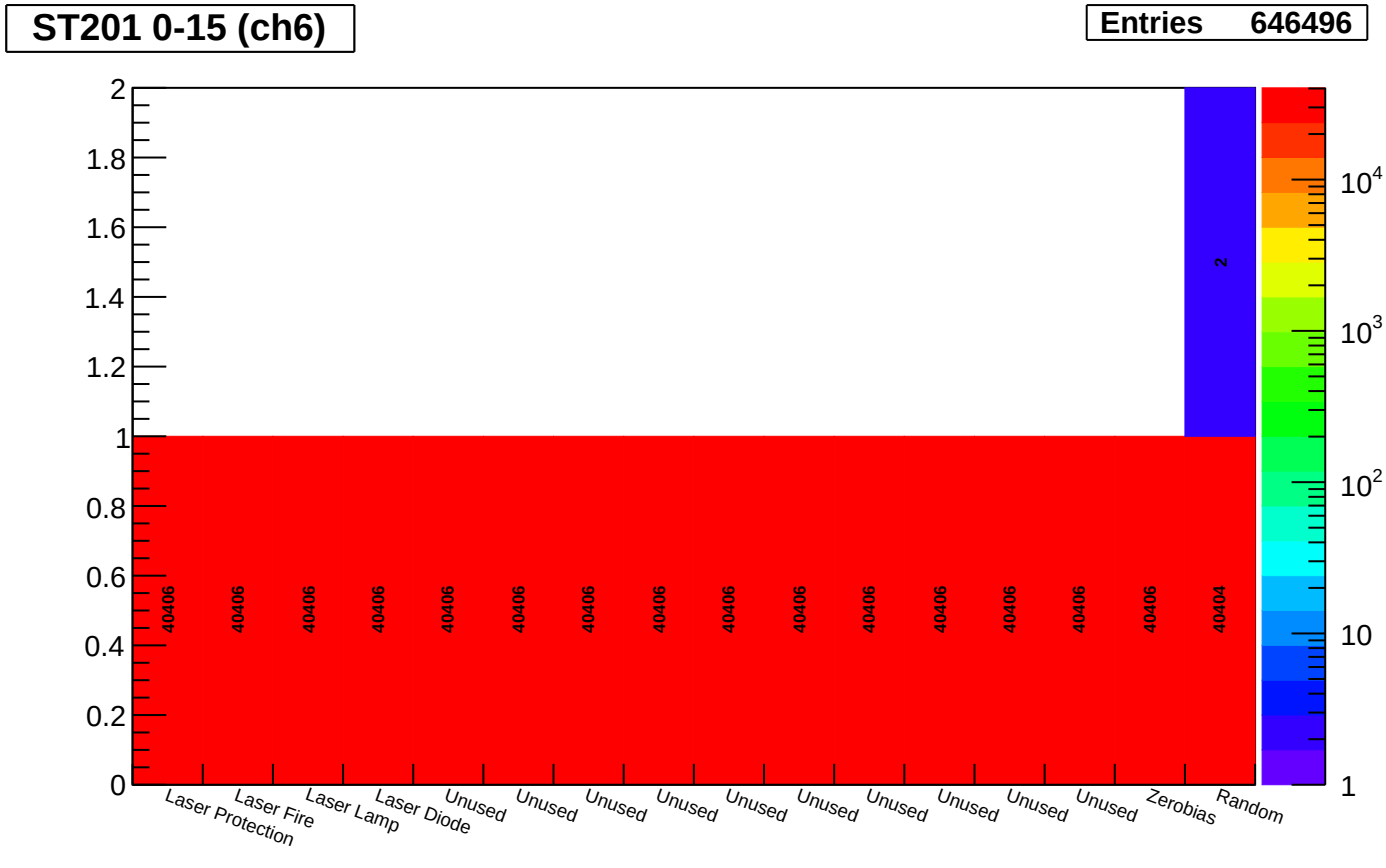

Entries 40406
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

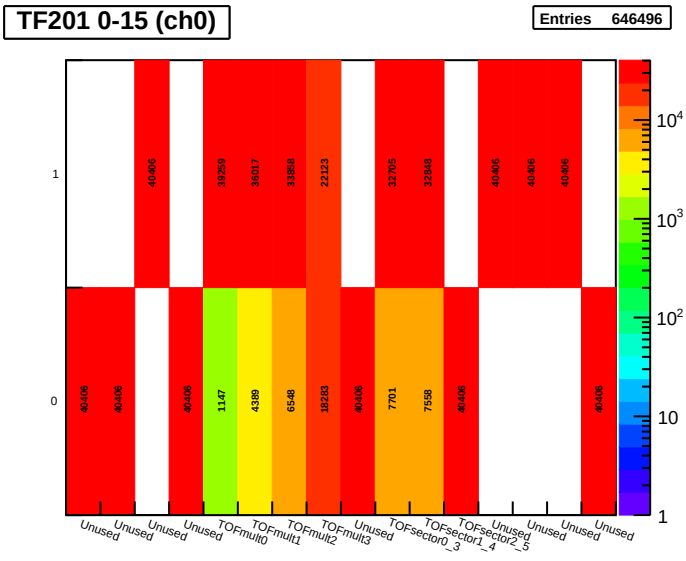

Entries 40406
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

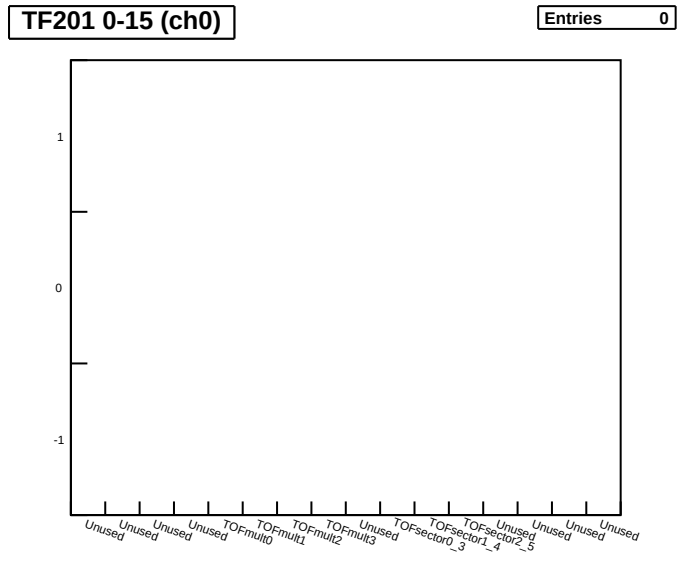

Entries 40406
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

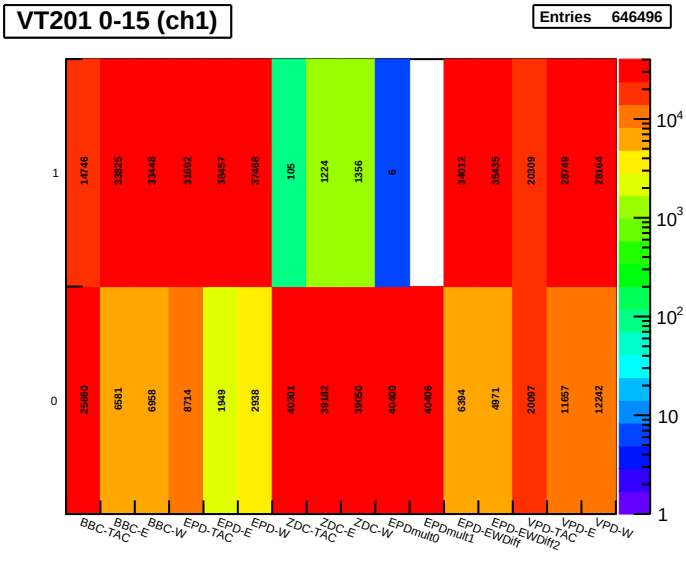

Entries 40406
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

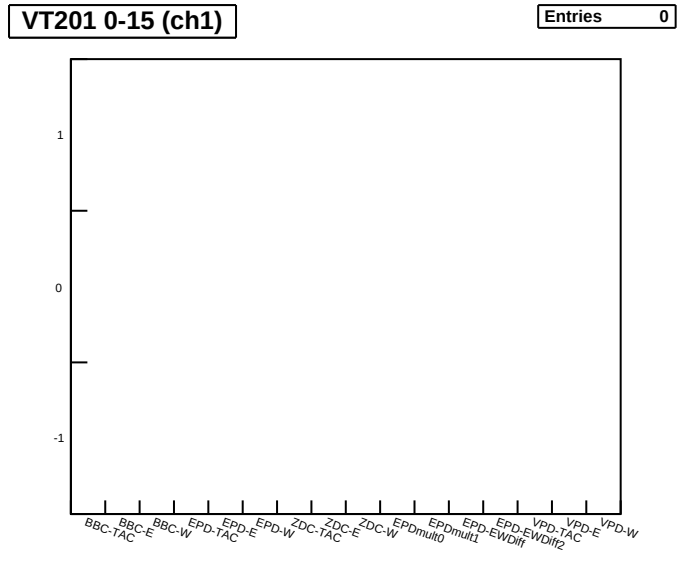

Laser Input Bits
Entries 40406
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

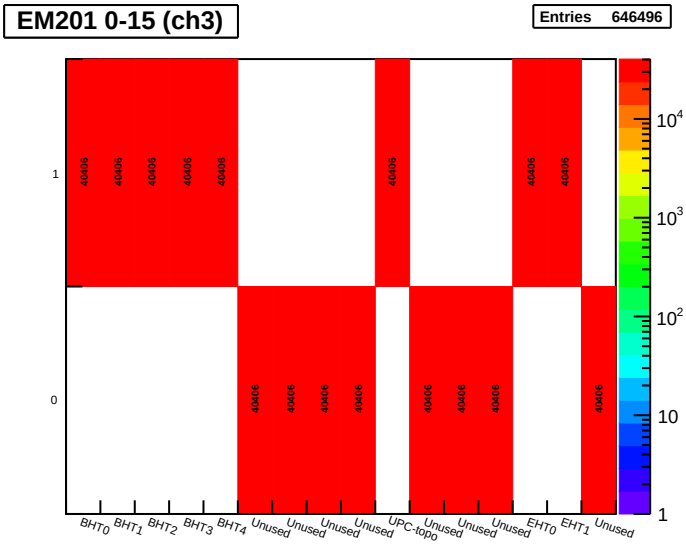

ST201 0-15 (ch6)
Entries 646496
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
40406
40404
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

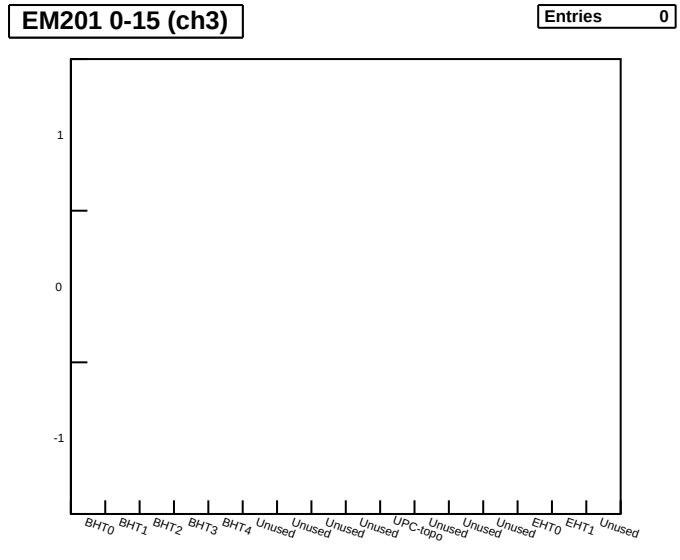

TF201 0-15 (ch0)
Entries 646496
1
0
40406
39259
36017
33858
22123
32705
32948
40406
40406
40406
40406
40406
1147
4389
6548
18283
40406
7701
7558
40406
40406
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 646496
1
0
14746
33825
33448
31692
38457
37468
105
1224
1356
6
34012
35435
20309
28749
28164
25660
6581
6958
8714
1949
2938
40301
39182
39050
40400
40406
6394
4971
20097
11657
12242
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 646496
1
0
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
40406
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1