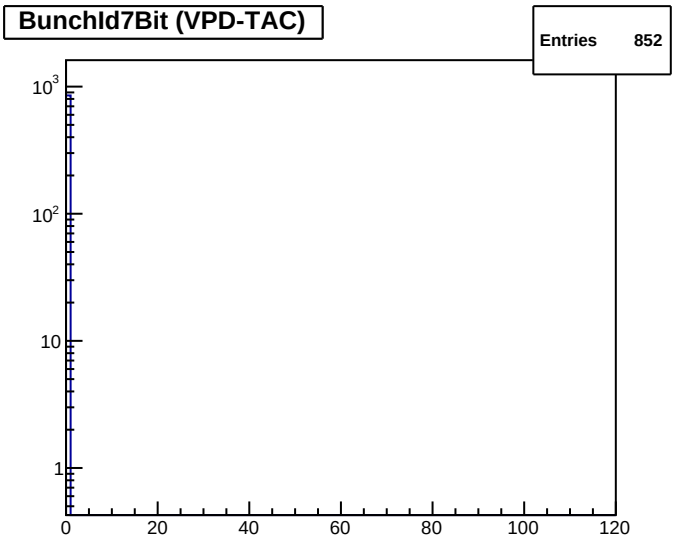
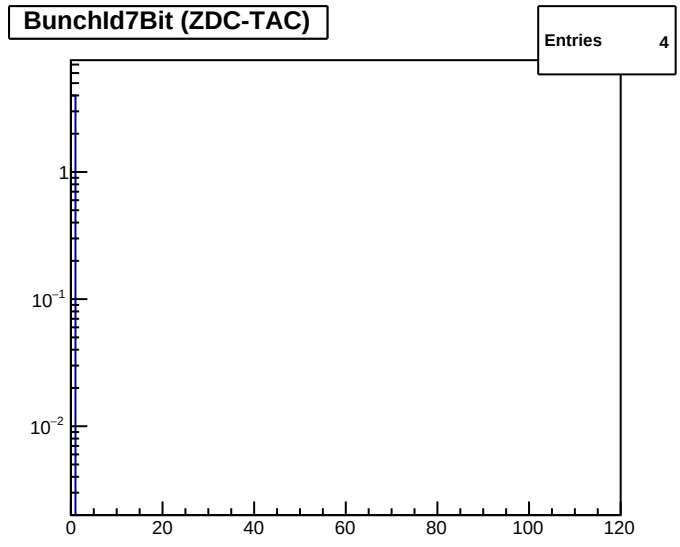
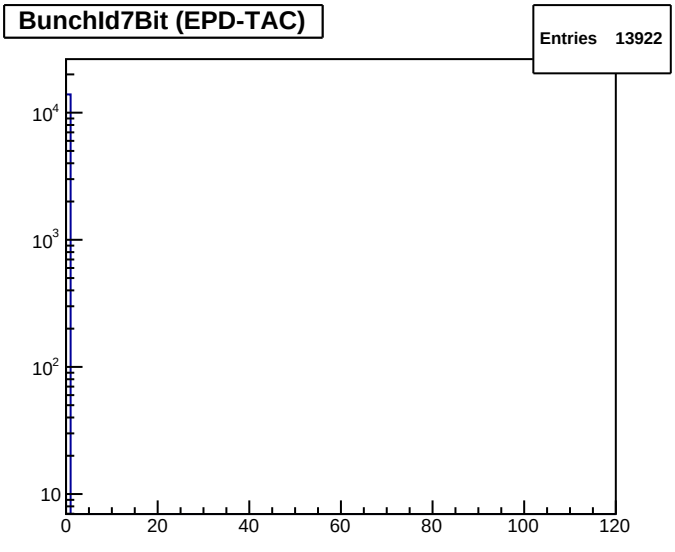
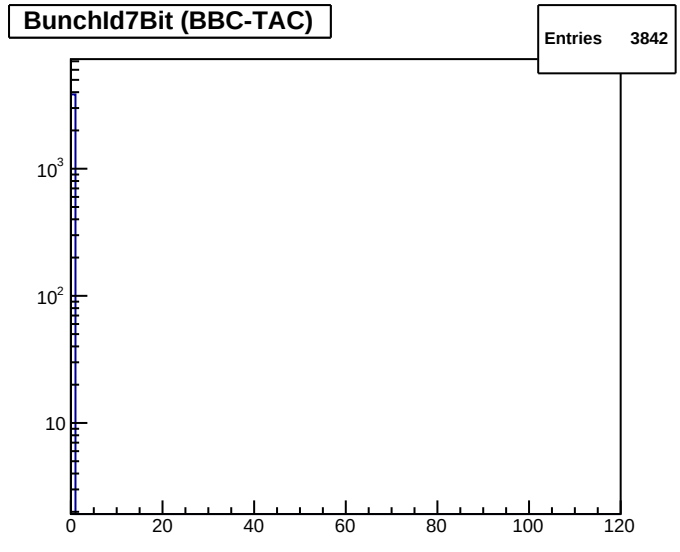
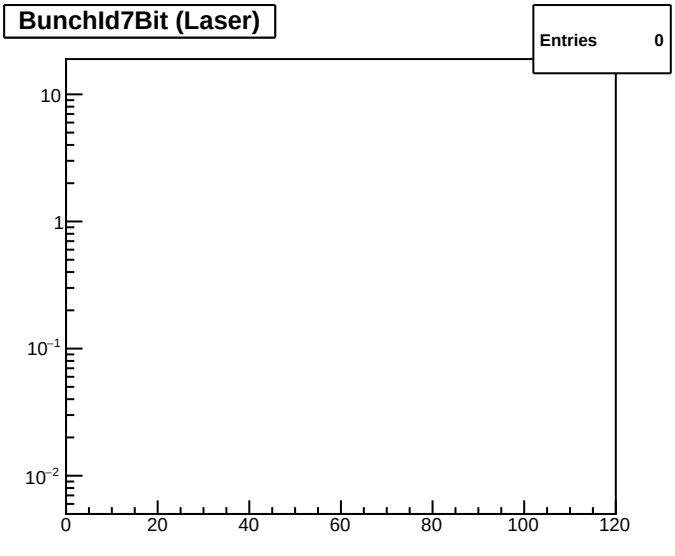
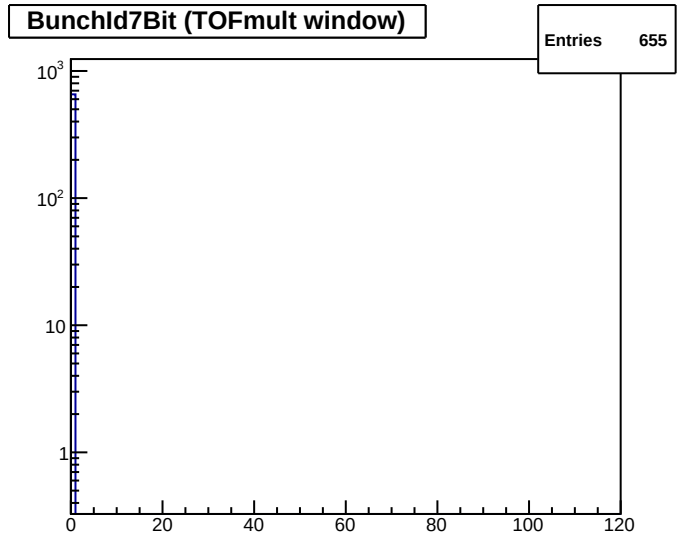

BunchId7Bit (VPD-TAC)
Entries 852
10^3
10^2
10
1
0 20 40 60 80 100 120

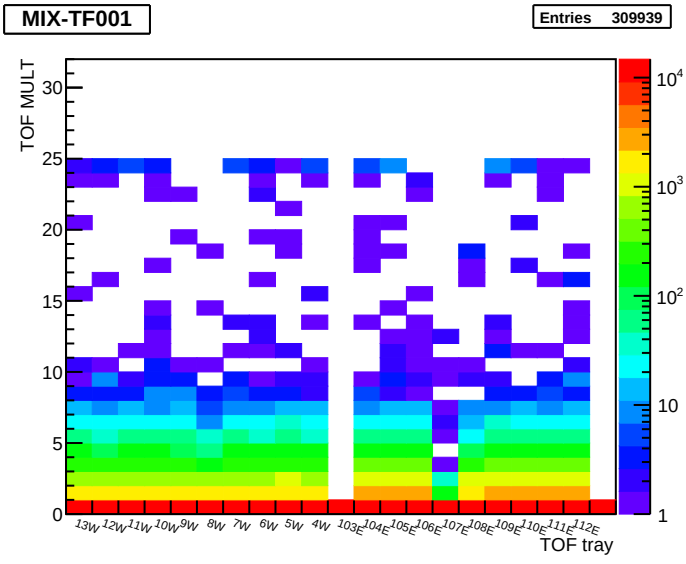

BunchId7Bit (ZDC-TAC)
Entries 4
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

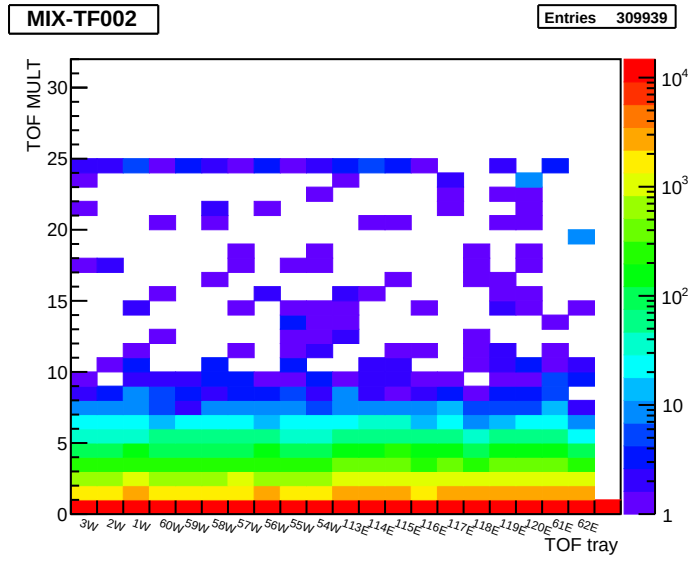

BunchId7Bit (EPD-TAC)
Entries 13922
10^4
10^3
10^2
10
0 20 40 60 80 100 120

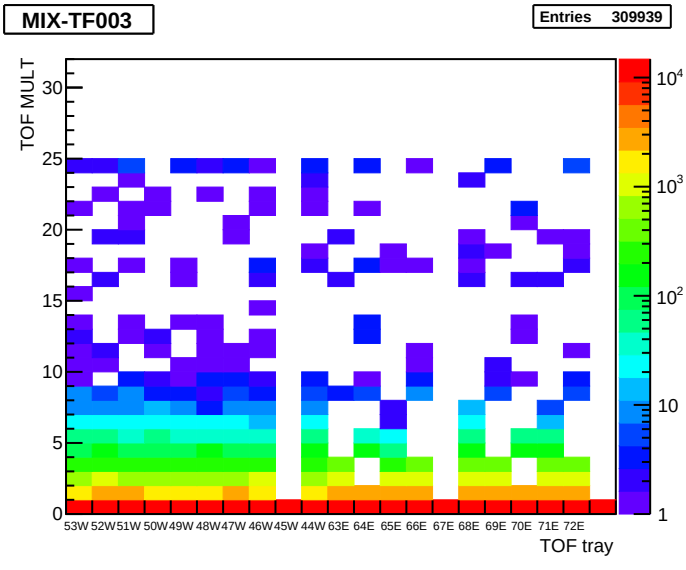

BunchId7Bit (BBC-TAC)
Entries 3842
10^3
10^2
10
0 20 40 60 80 100 120

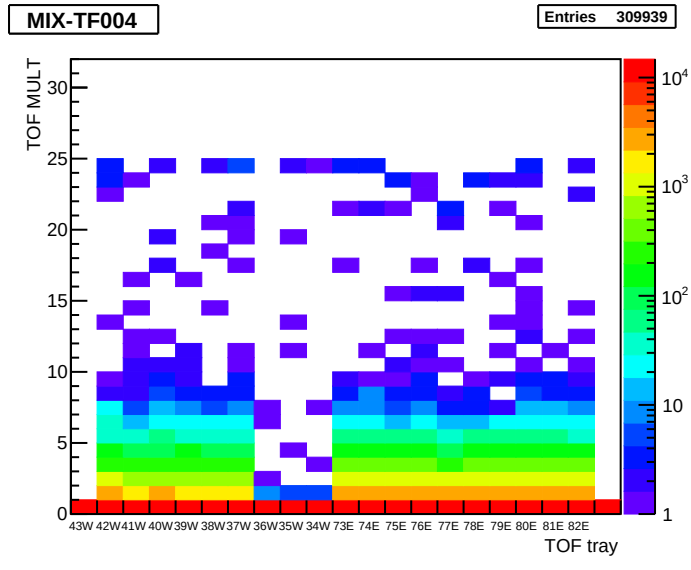

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

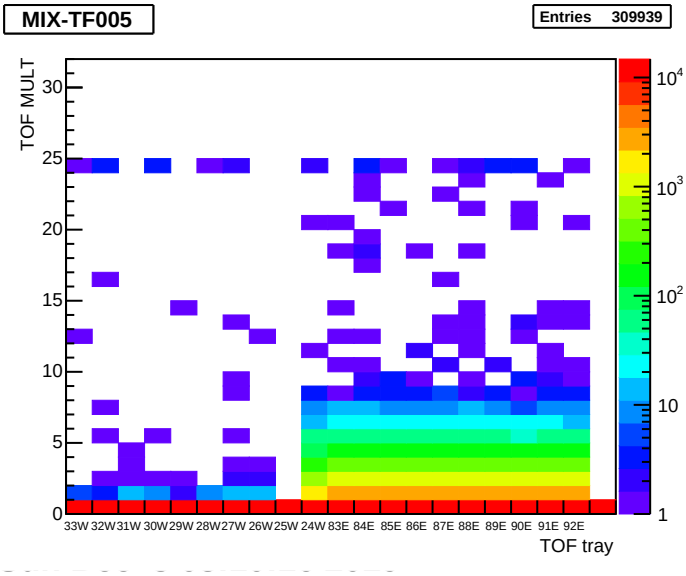

BunchId7Bit (TOFmult window)
Entries 655
10^3
10^2
10
1
0 20 40 60 80 100 120

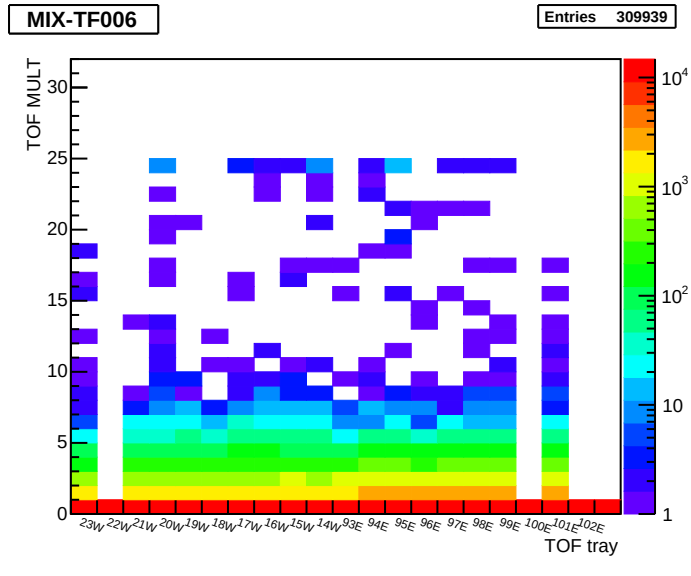

MIX-TF001
Entries 309939
TOF MULT
TOF tray

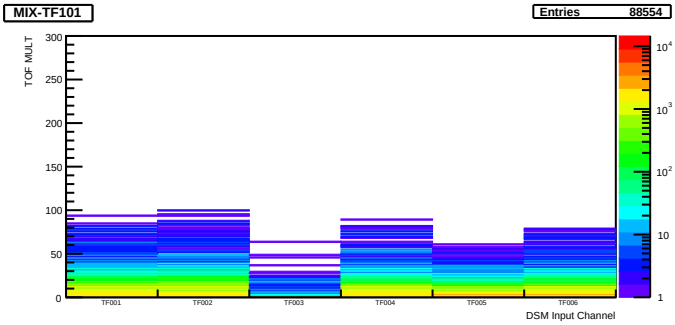

MIX-TF002
Entries 309939
TOF MULT
TOF tray

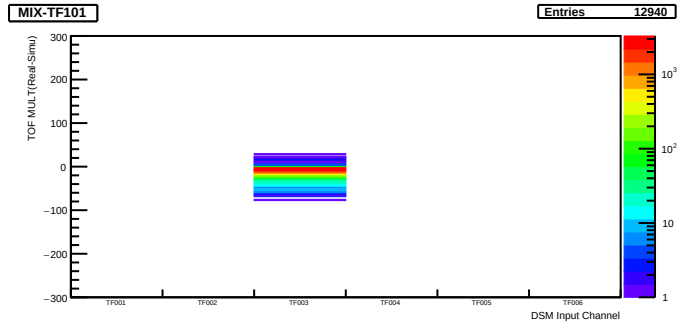

MIX-TF003
Entries 309939
TOF MULT
TOF tray

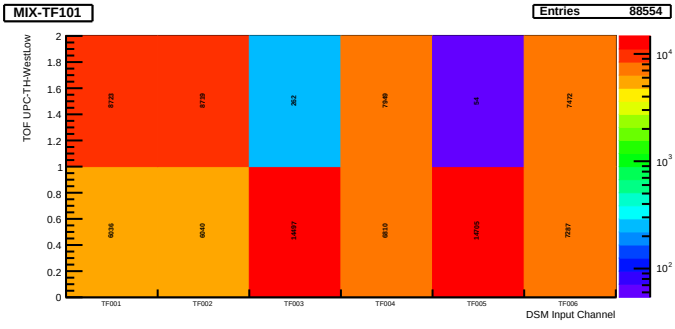

MIX-TF004
Entries 309939
TOF MULT
TOF tray

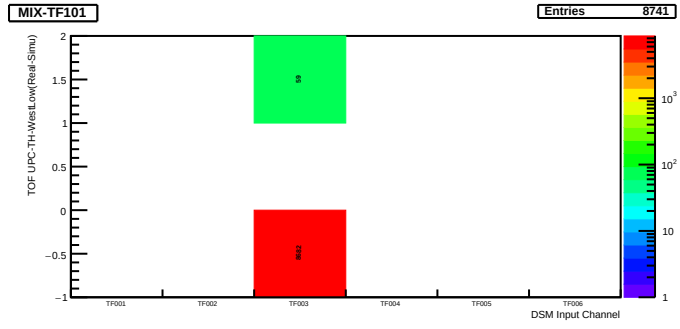

MIX-TF005
Entries 309939
TOF MULT
TOF tray

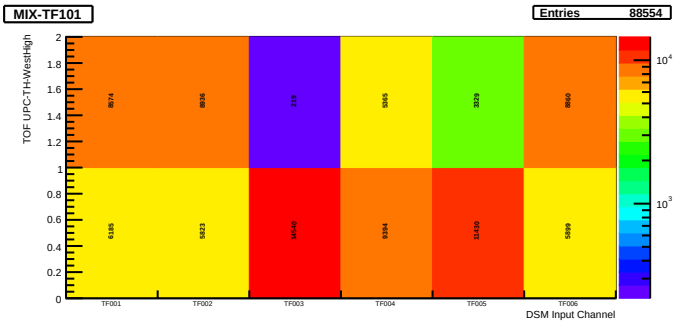

MIX-TF006
Entries 309939
TOF MULT
TOF tray

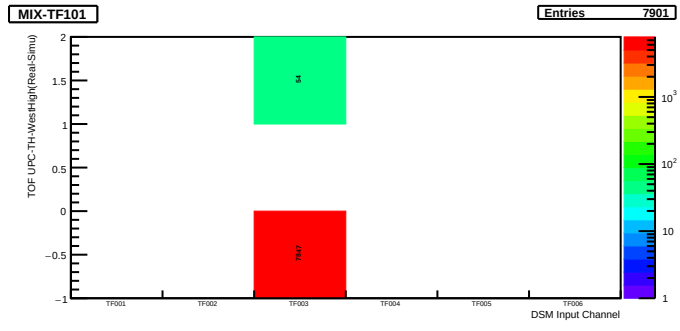

MIX-TF101
Entries 88554
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

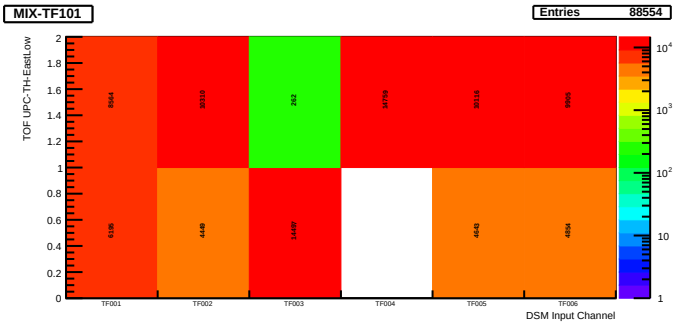

MIX-TF101
Entries 12940
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

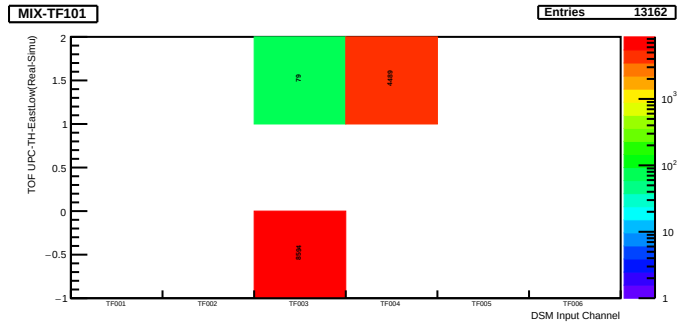

MIX-TF101
Entries 88554
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

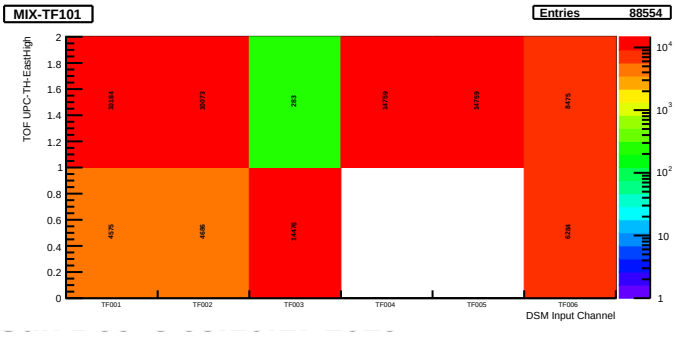

MIX-TF101
Entries 8741
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

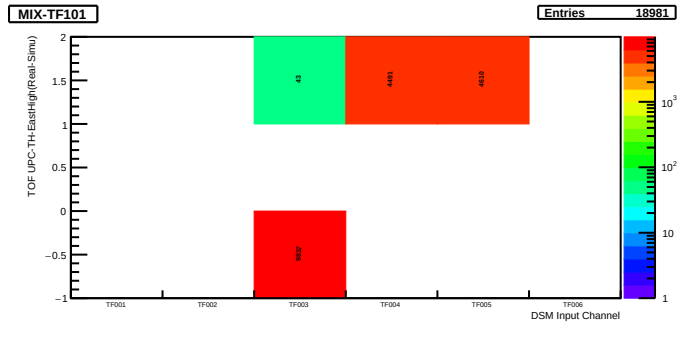

MIX-TF101
Entries 88554
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

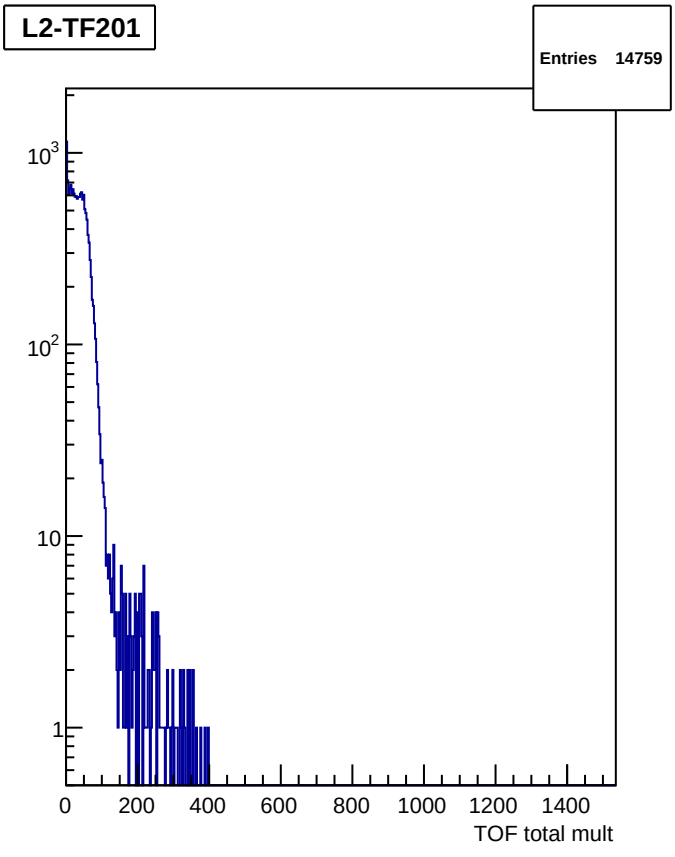

MIX-TF101
Entries 7901
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

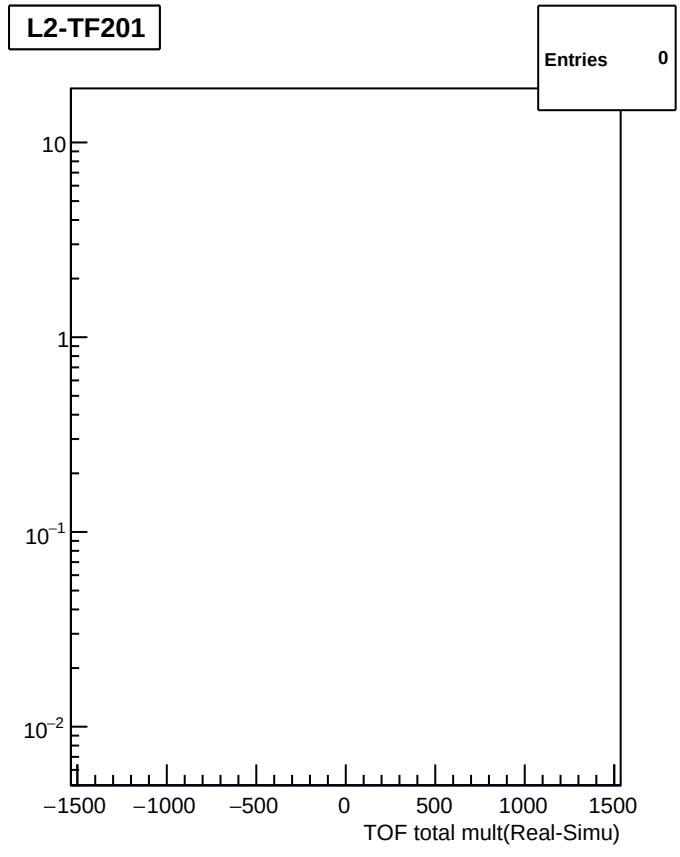

MIX-TF101
Entries 88554
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

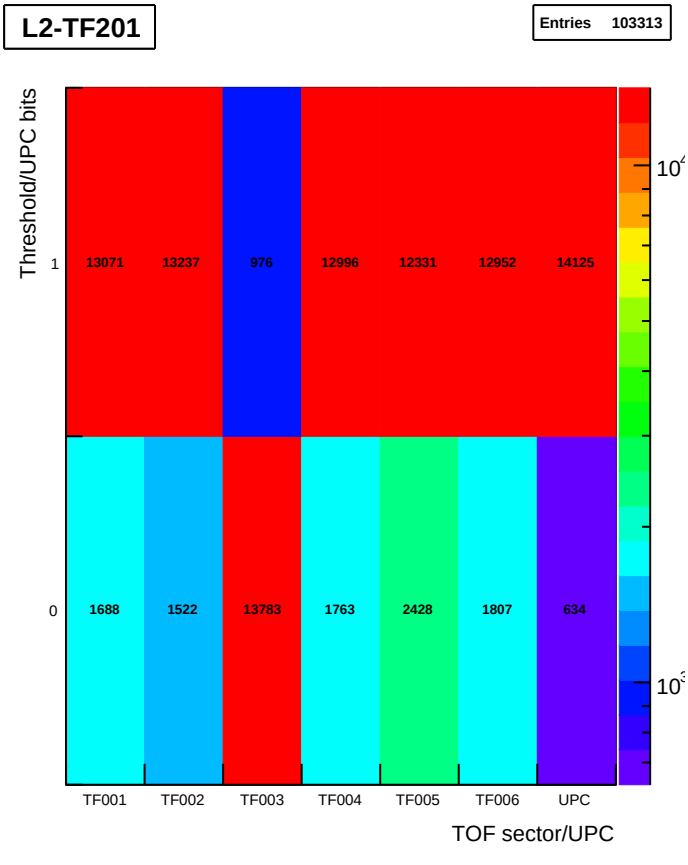

MIX-TF101
Entries 13162
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

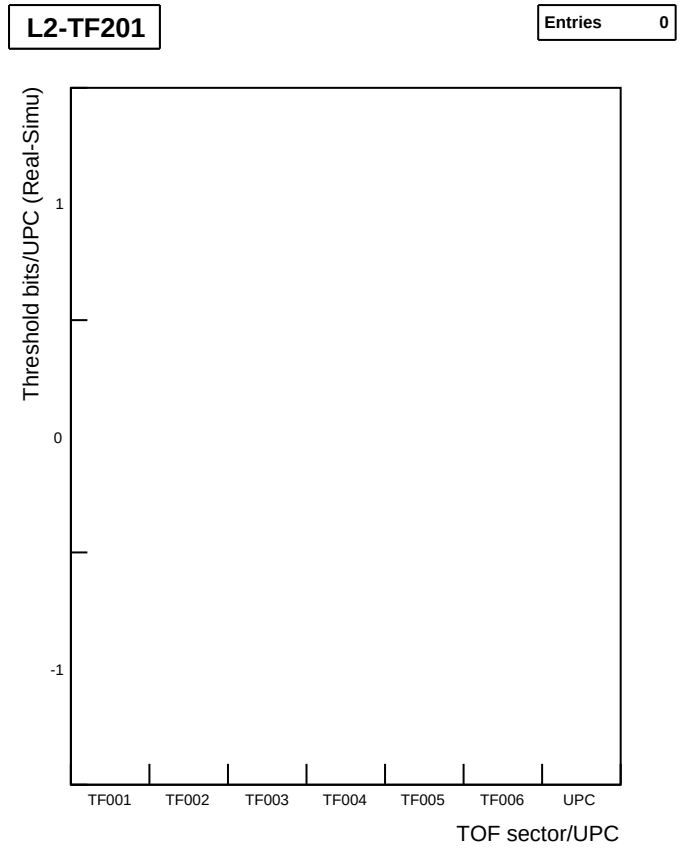

MIX-TF101
Entries 88554
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

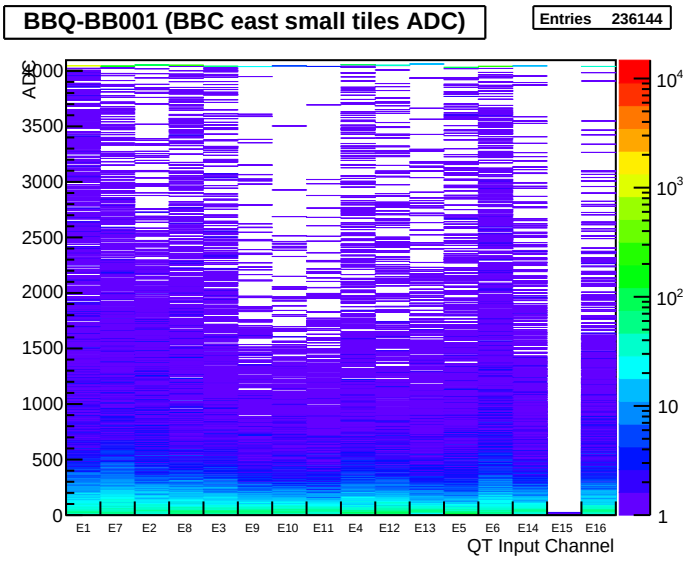

MIX-TF101
Entries 18981
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

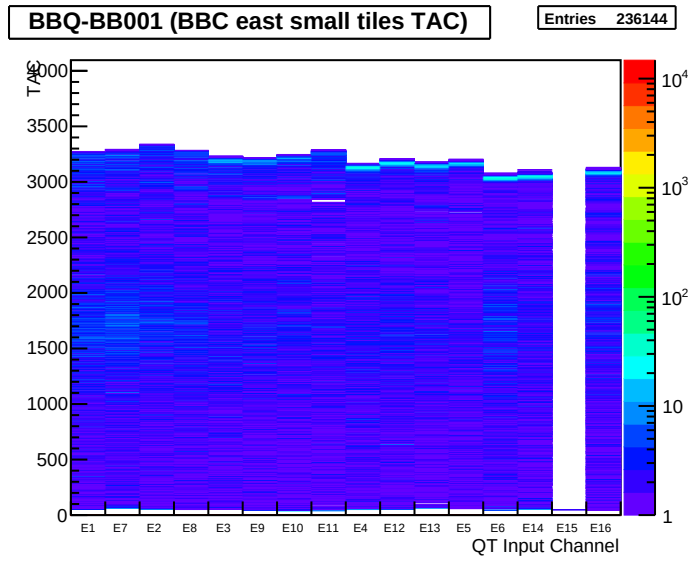

L2-TF201
Entries 14759
TOF total mult

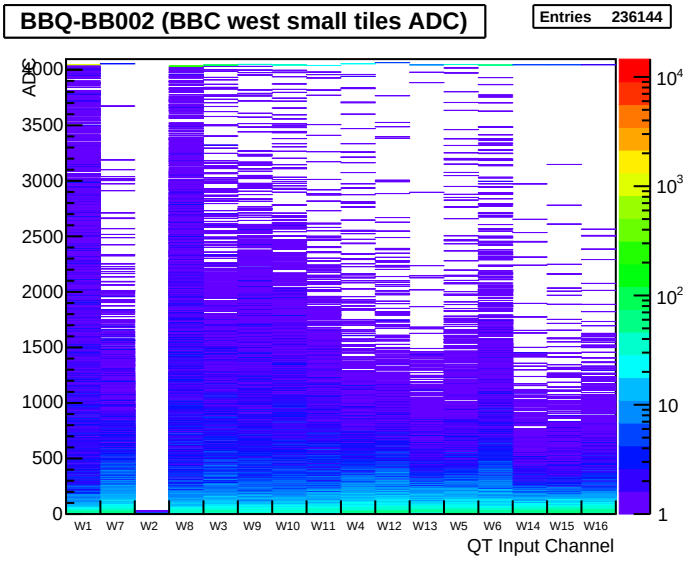

L2-TF201
Entries 0
TOF total mult(Real-Simu)

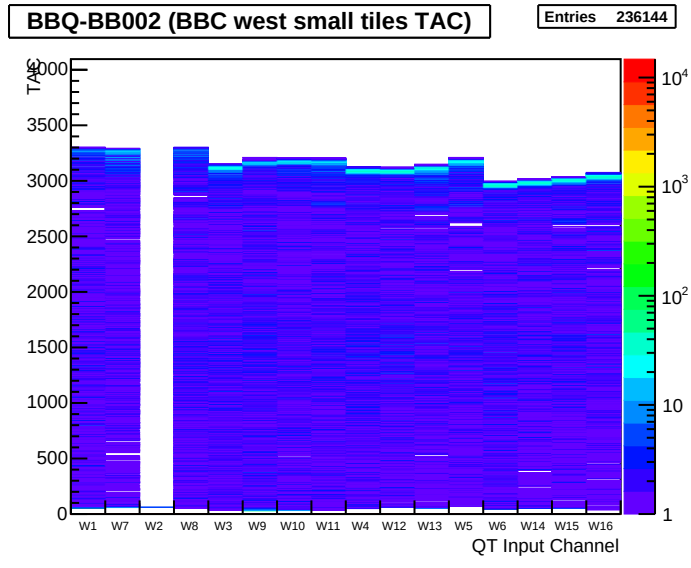

L2-TF201
Entries 103313
Threshold/UPC bits
13071
13237
976
12996
12331
12952
14125
1688
1522
13783
1763
2428
1807
634
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

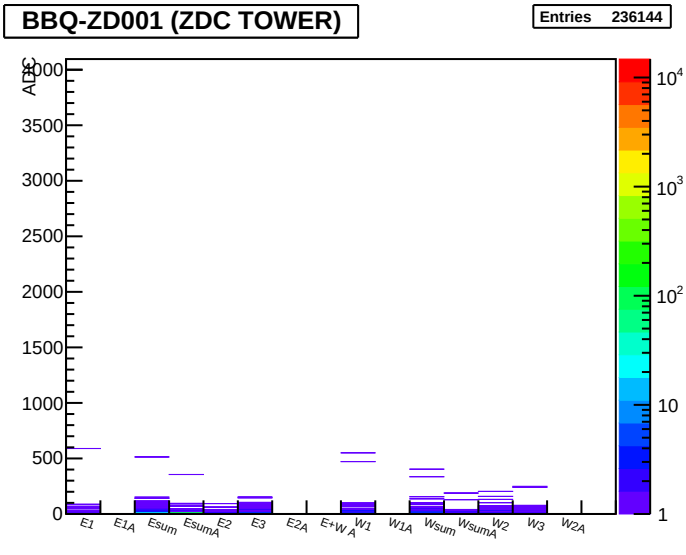

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

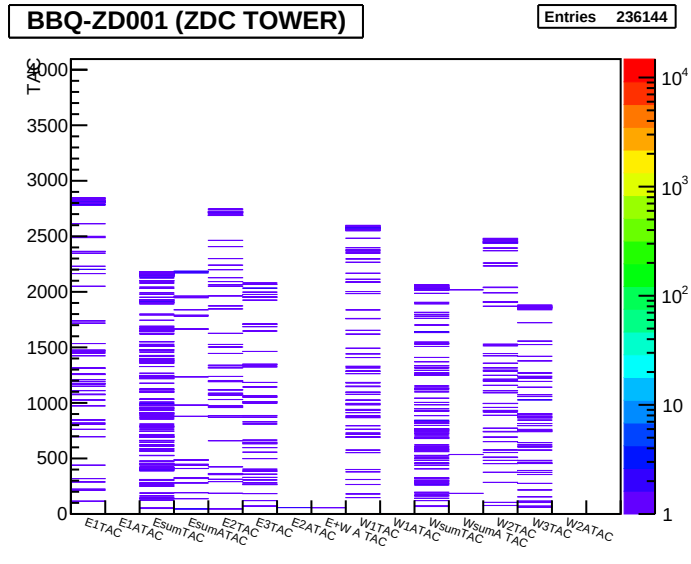

BBQ-BB001 (BBC east small tiles ADC)
Entries 236144
ADC
QT Input Channel

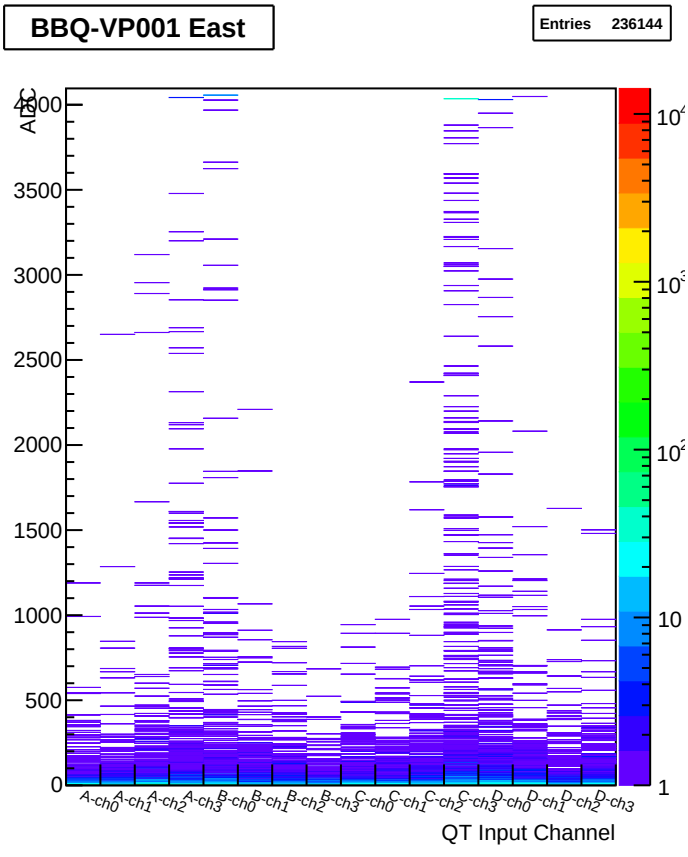

BBQ-BB001 (BBC east small tiles TAC)
Entries 236144
TAC
QT Input Channel

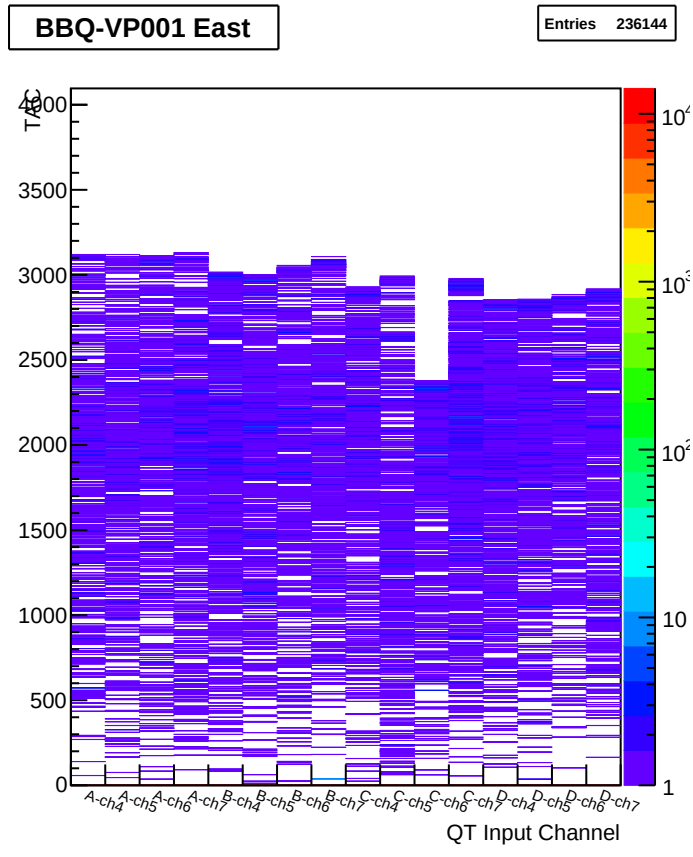

BBQ-BB002 (BBC west small tiles ADC)
Entries 236144
ADC
QT Input Channel

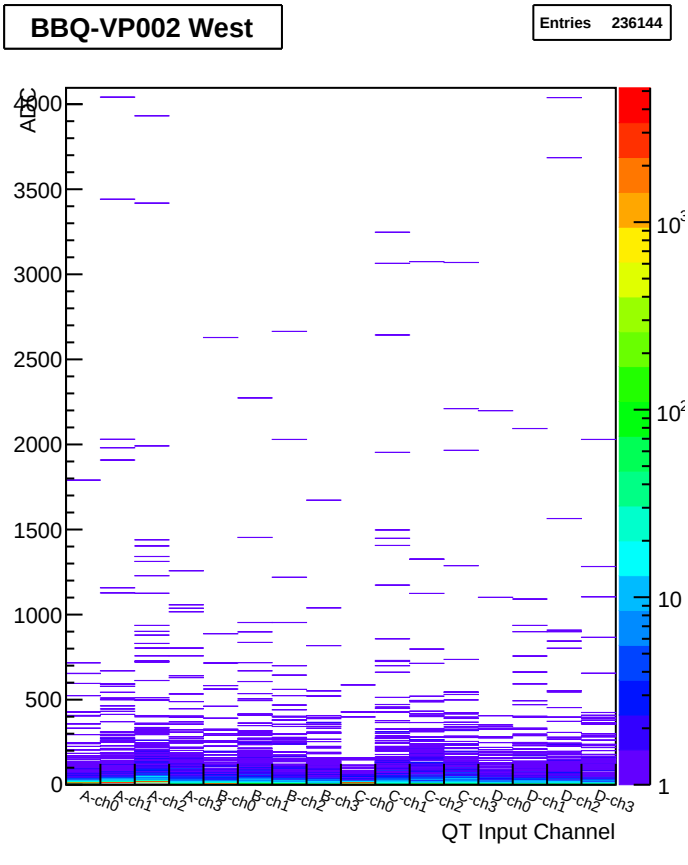

BBQ-BB002 (BBC west small tiles TAC)
Entries 236144
TAC
QT Input Channel

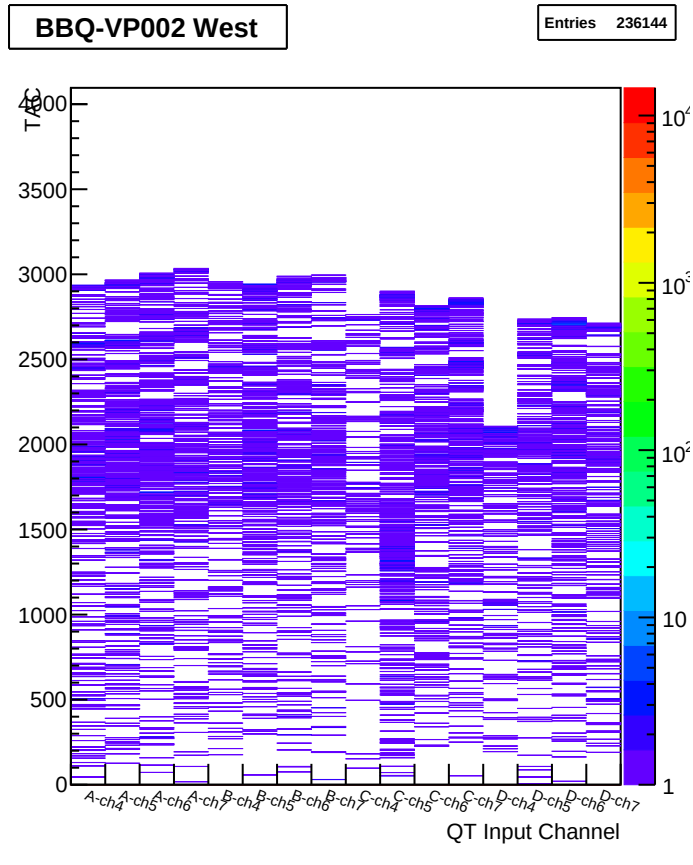

BBQ-ZD001 (ZDC TOWER)
Entries 236144
ADC

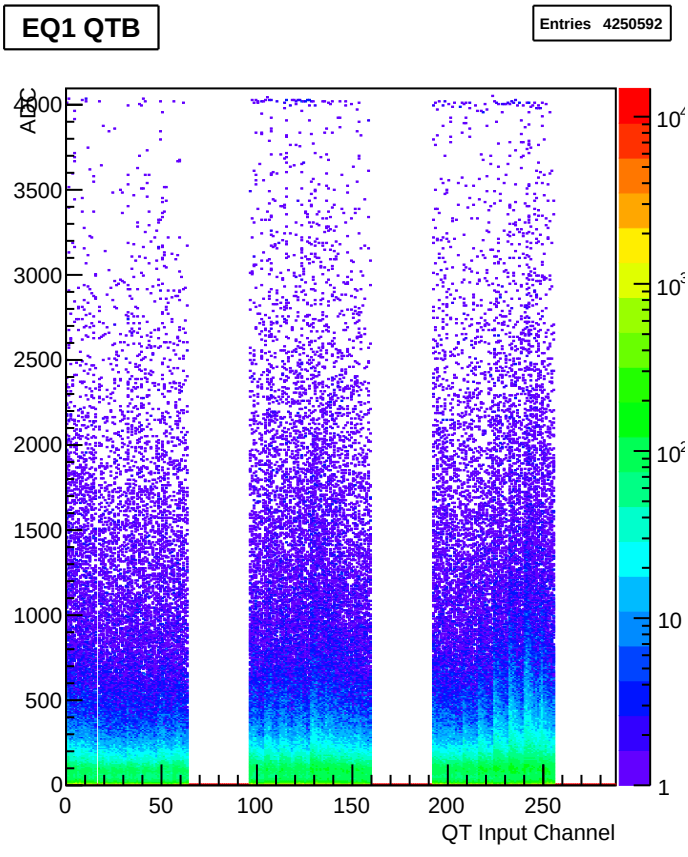

BBQ-ZD001 (ZDC TOWER)
Entries 236144
TAC

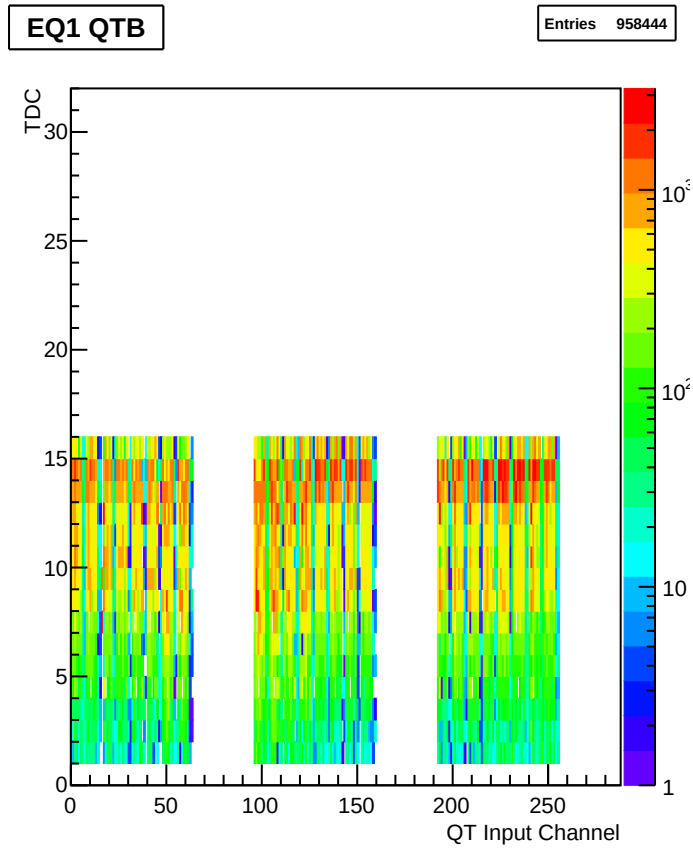

BBQ-VP001 East
Entries 236144
ADC
QT Input Channel

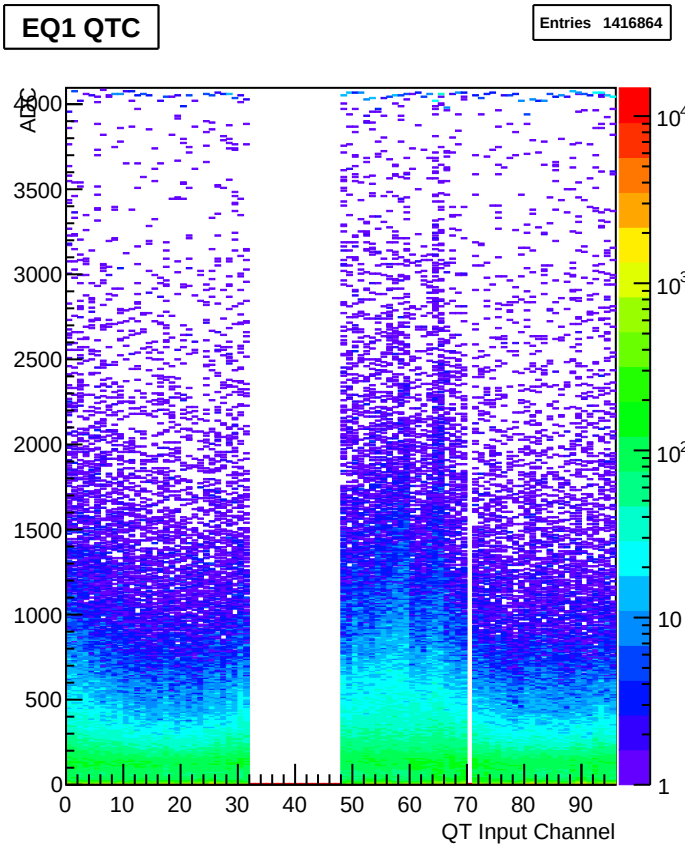

BBQ-VP001 East
Entries 236144
TAC
QT Input Channel

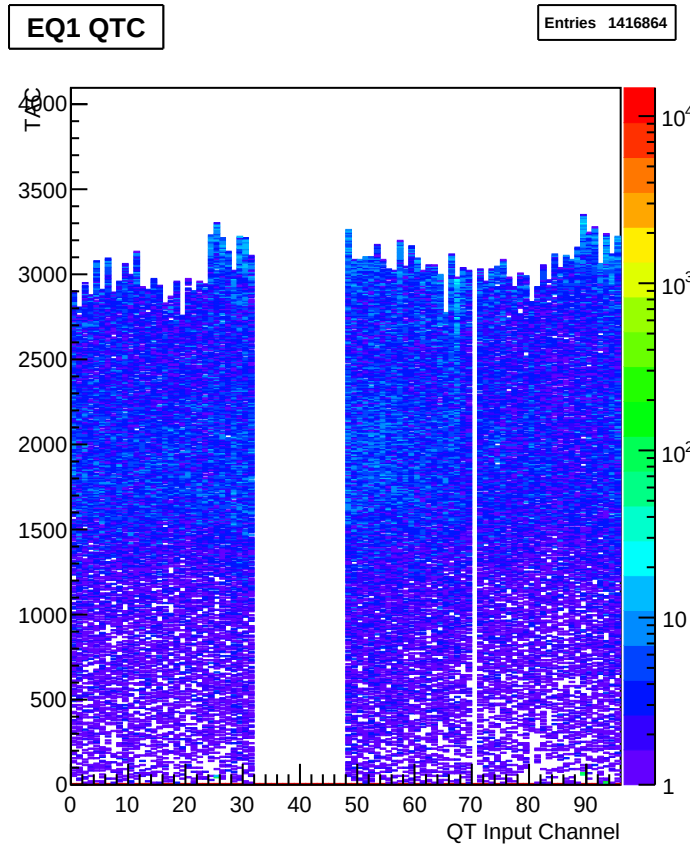

BBQ-VP002 West
Entries 236144
ADC
QT Input Channel

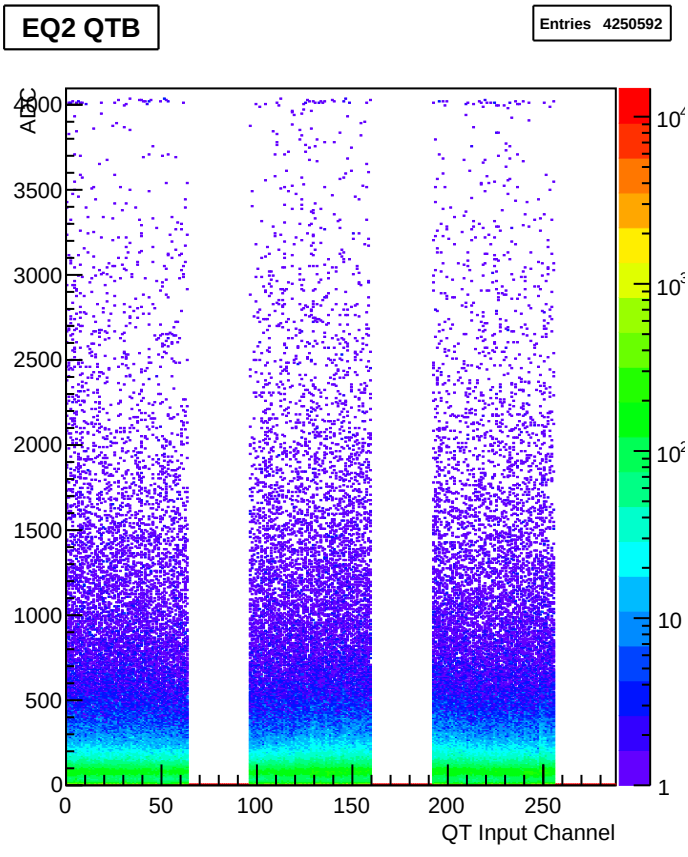

BBQ-VP002 West
Entries 236144
TAC
QT Input Channel

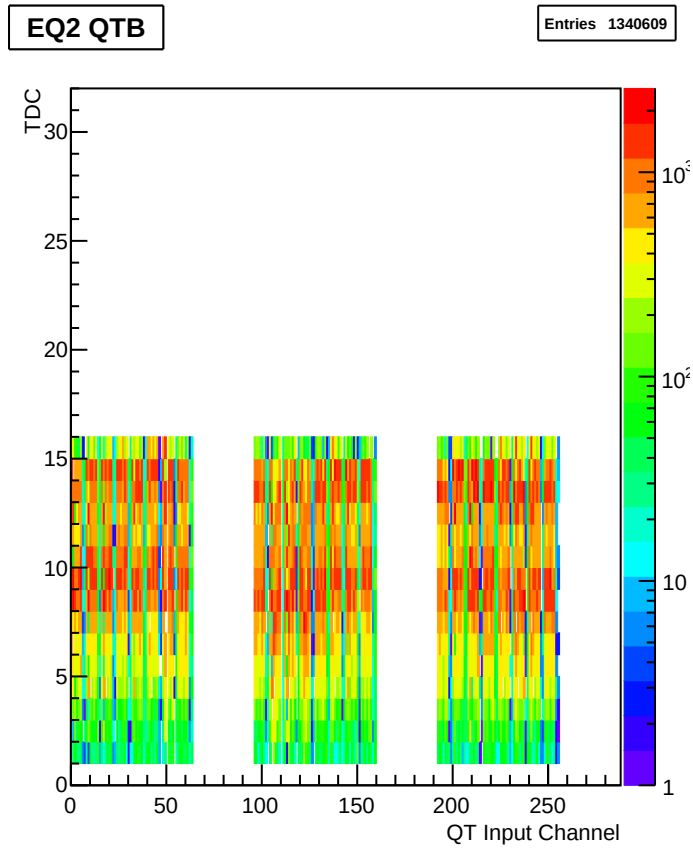

EQ1 QTB
Entries 4250592
ADC
QT Input Channel

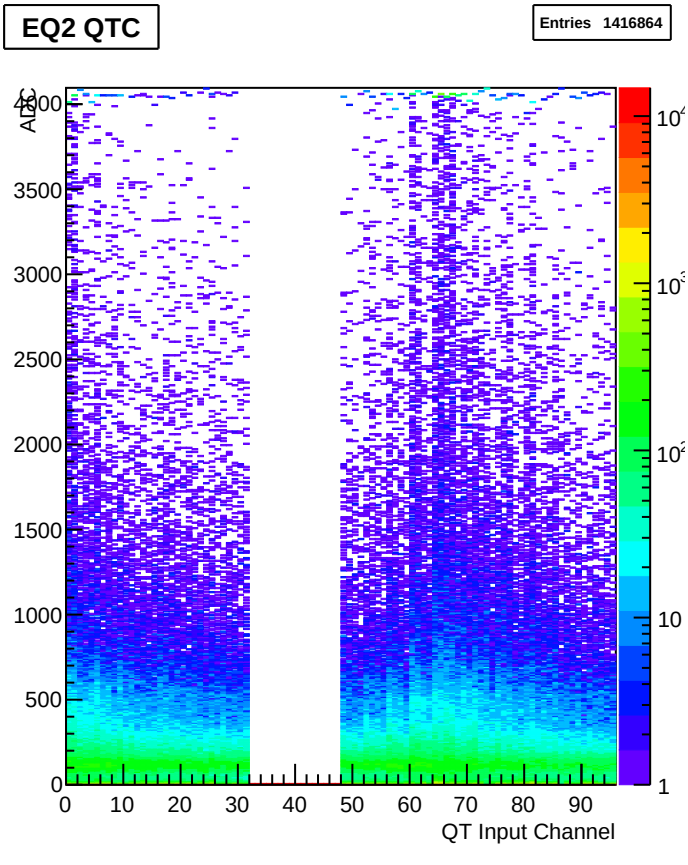

EQ1 QTB
Entries 958444
TDC
QT Input Channel

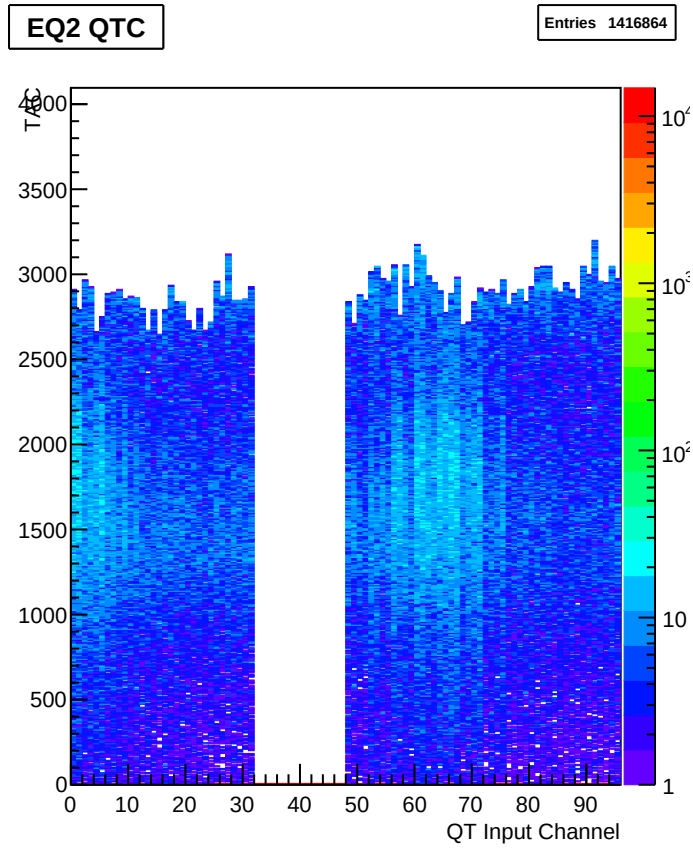

EQ1 QTC
Entries 1416864
ADC
QT Input Channel

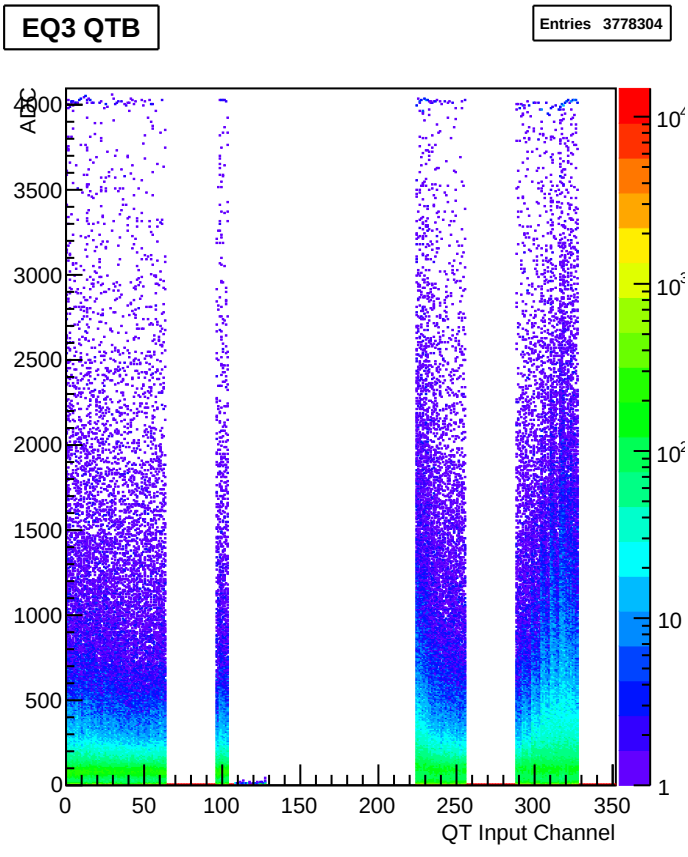

EQ1 QTC
Entries 1416864
TAC
QT Input Channel

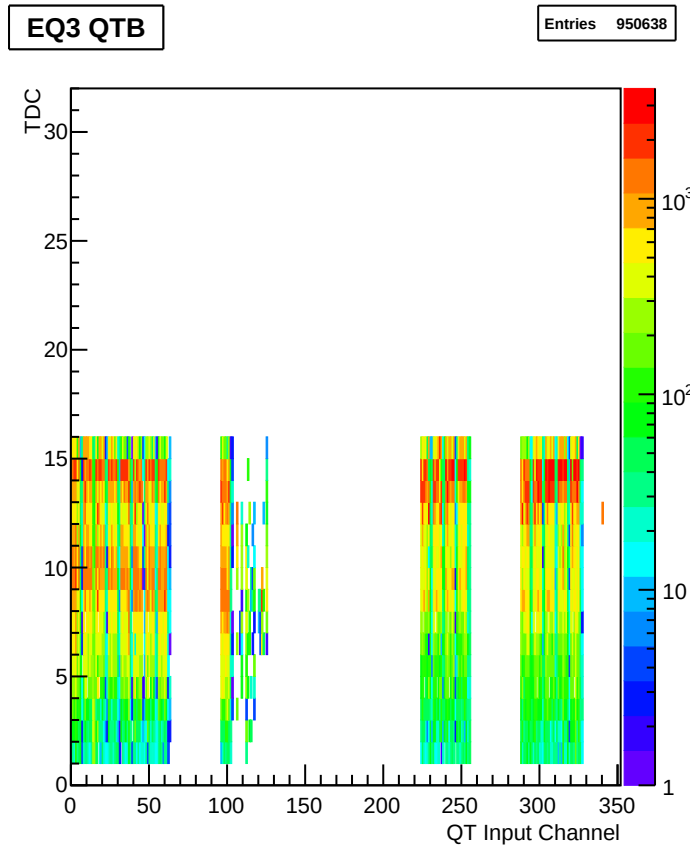

EQ2 QTB
Entries 4250592
ADC
QT Input Channel

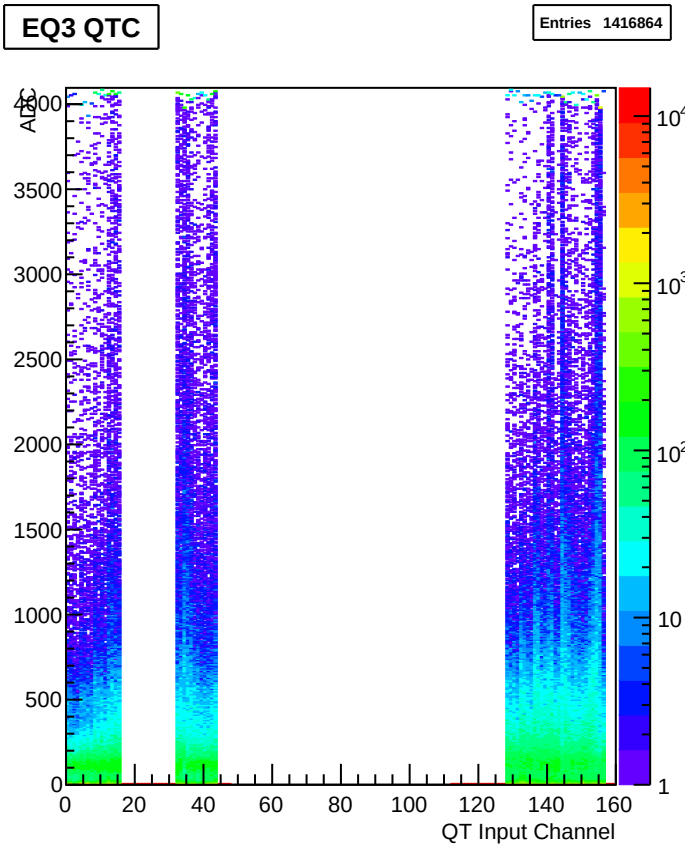

EQ2 QTB
Entries 1340609
TDC
QT Input Channel

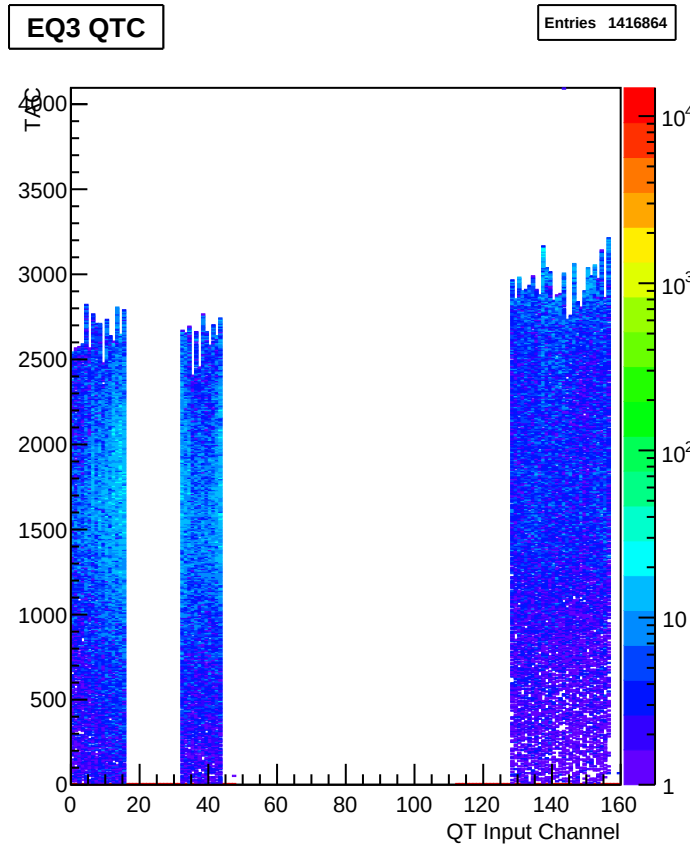

EQ2 QTC
Entries 1416864
ADC
QT Input Channel

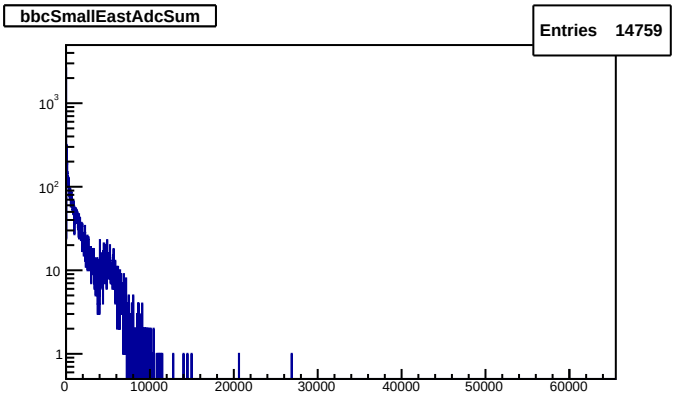

EQ2 QTC
Entries 1416864
TADC
QT Input Channel

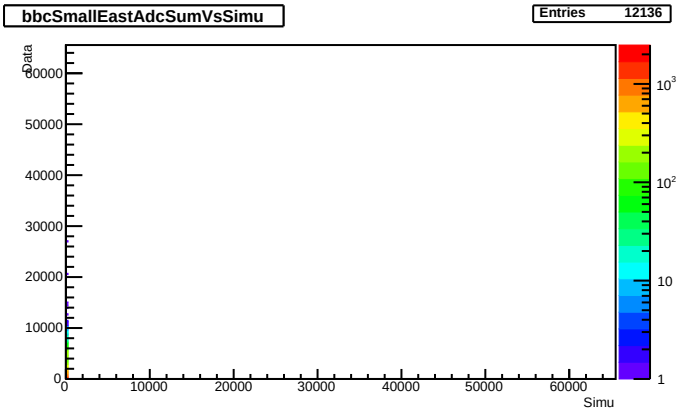

EQ3 QTB
Entries 3778304
ADC
QT Input Channel

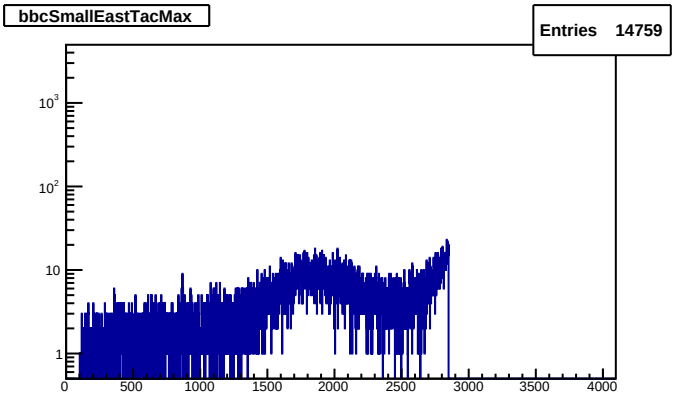

EQ3 QTB
Entries 950638
TDC
QT Input Channel

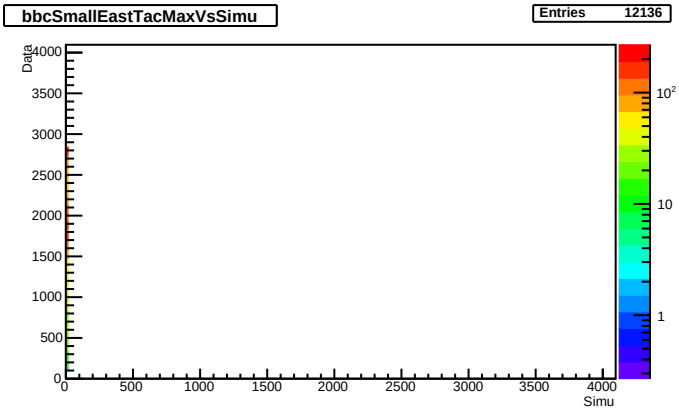

EQ3 QTC
Entries 1416864
ADC
QT Input Channel

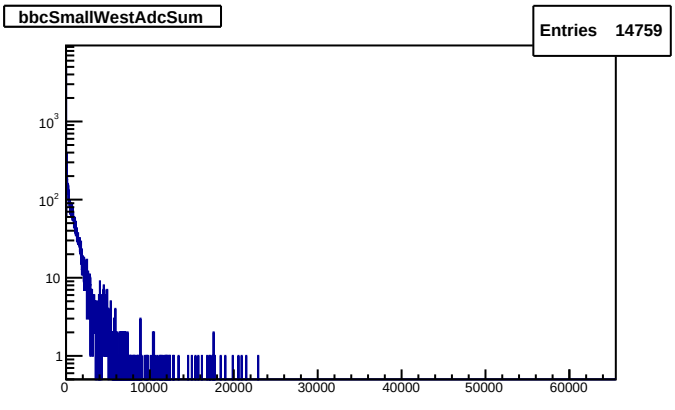

EQ3 QTC
Entries 1416864
TAC
QT Input Channel

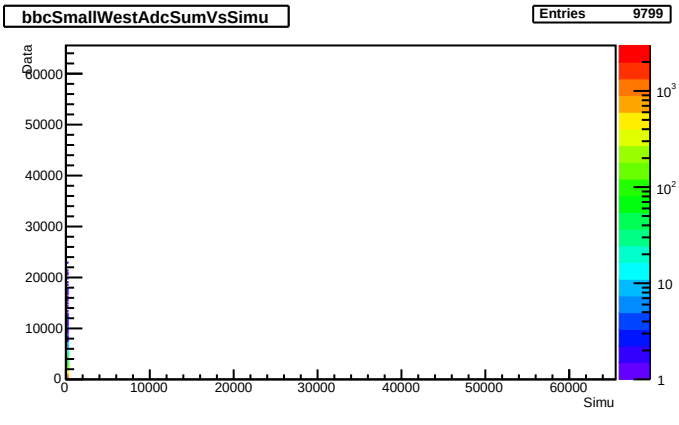

bbcSmallEastAdcSum
Entries 14759

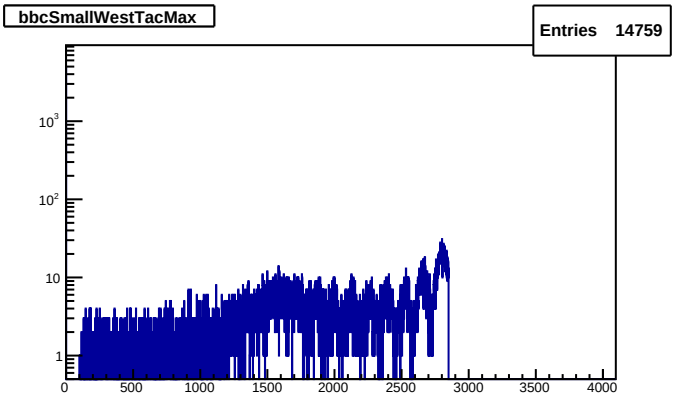

bbcSmallEastAdcSumVsSimu
Entries 12136
Data
Simu

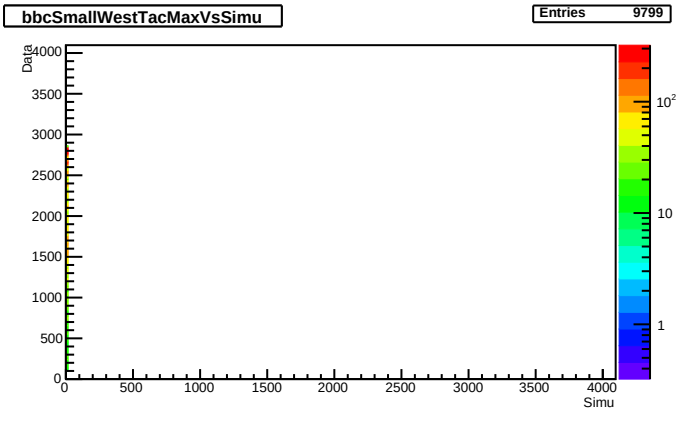

bbcSmallEastTacMax
Entries 14759

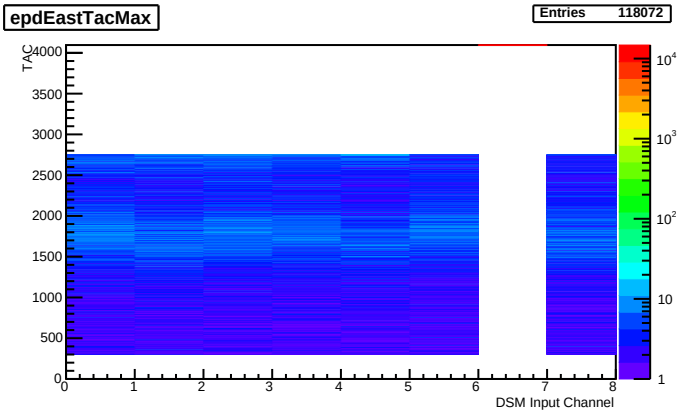

bbcSmallEastTacMaxVsSimu
Entries 12136
Data
Simu

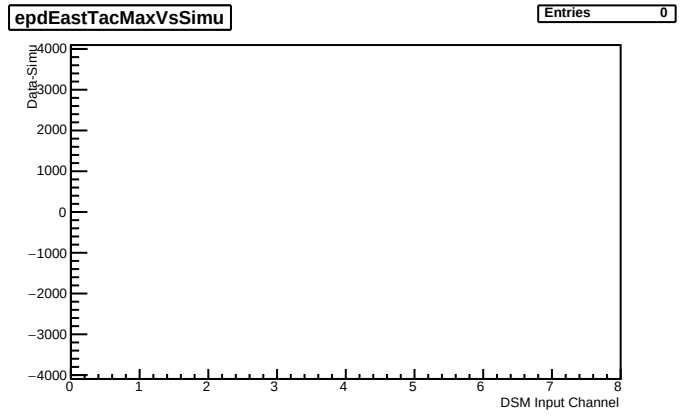

bbcSmallWestAdcSum
Entries 14759

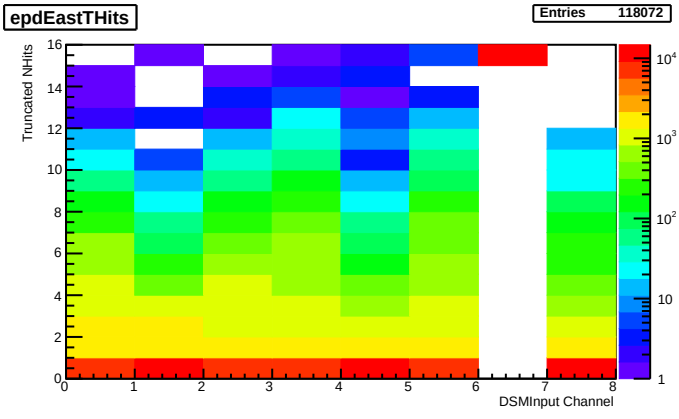

bbcSmallWestAdcSumVsSimu
Entries 9799
Data
Simu

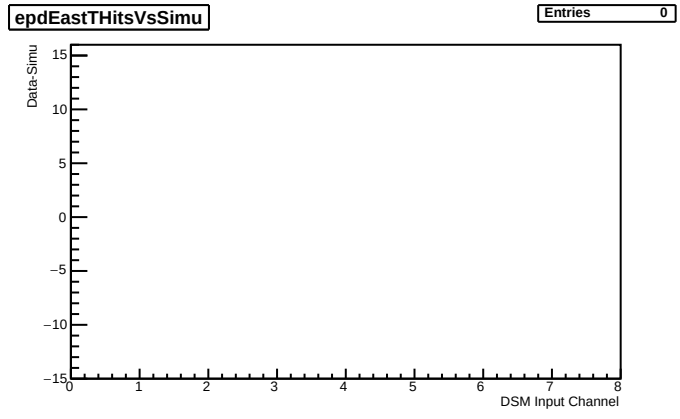

bbcSmallWestTacMax
Entries 14759

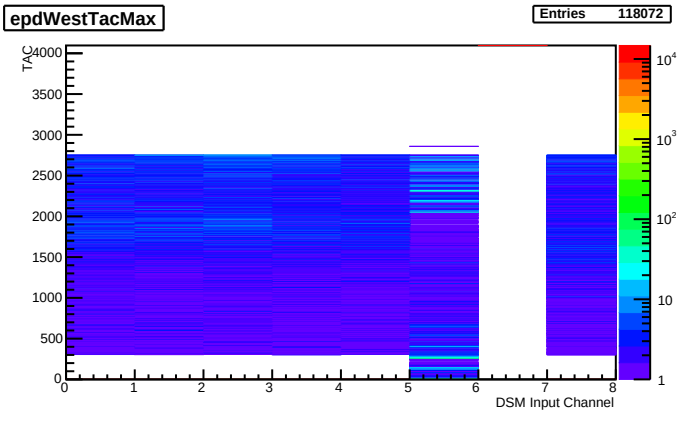

bbcSmallWestTacMaxVsSimu
Entries 9799
Data
Simu

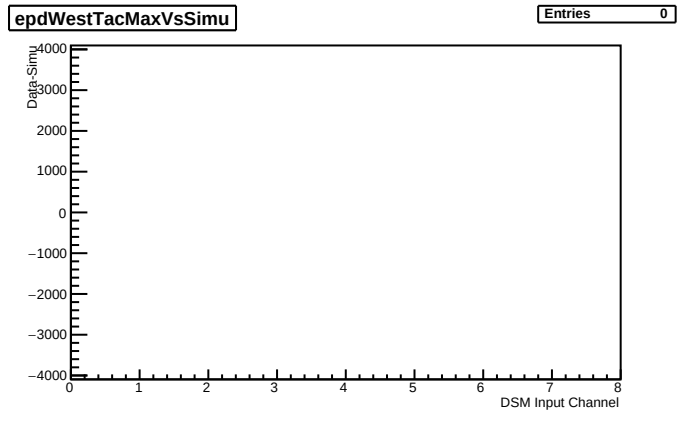

epdEastTacMax
Entries 118072
TAC
DSM Input Channel

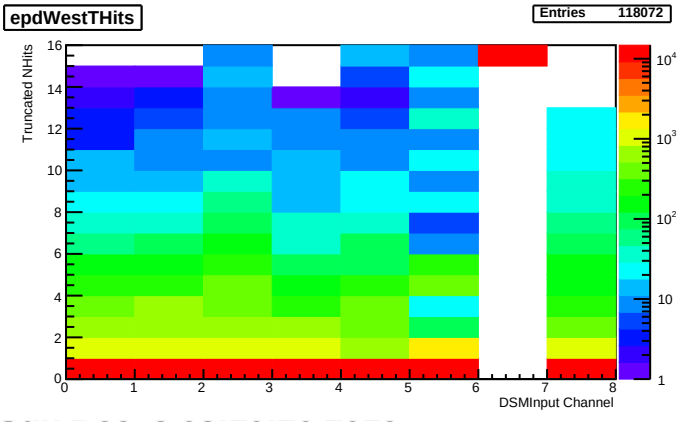

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

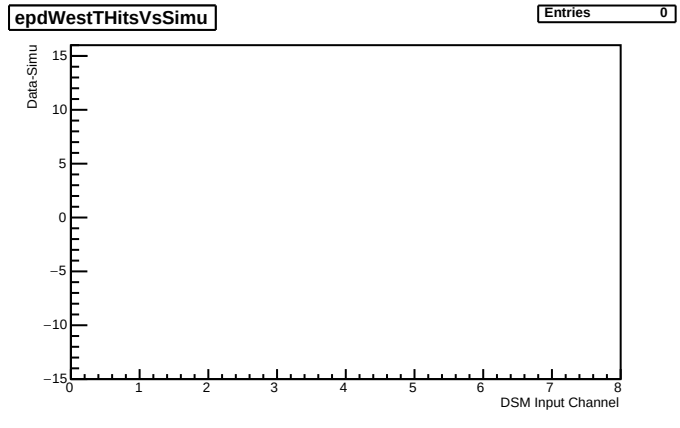

epdEastTHits
Entries 118072
Truncated NHits
DSMInput Channel

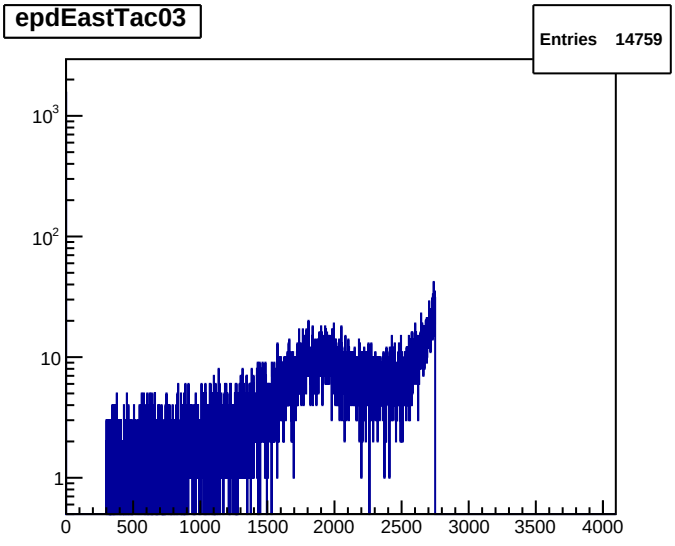

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

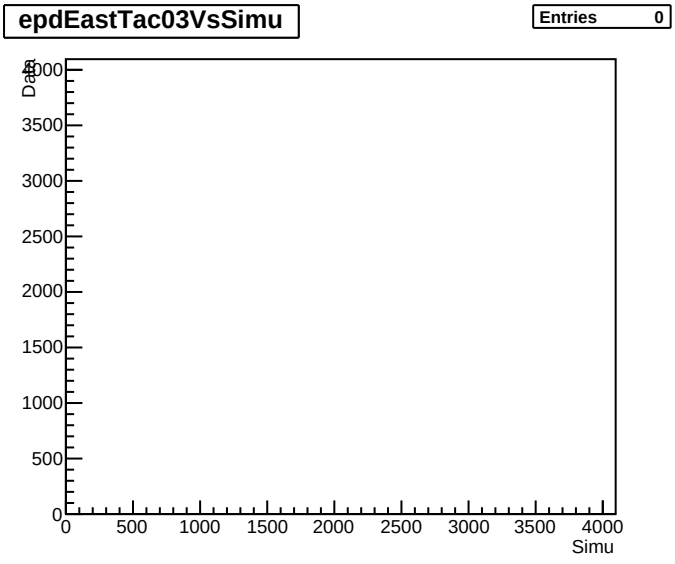

epdWestTacMax
Entries 118072
TAC
DSM Input Channel

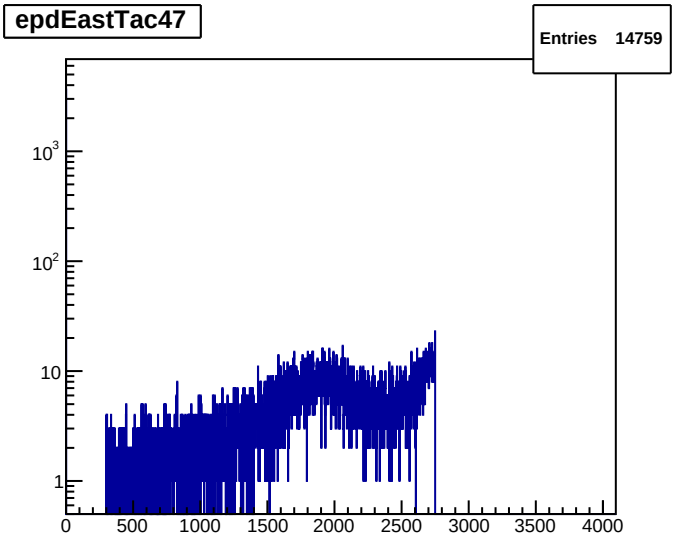

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

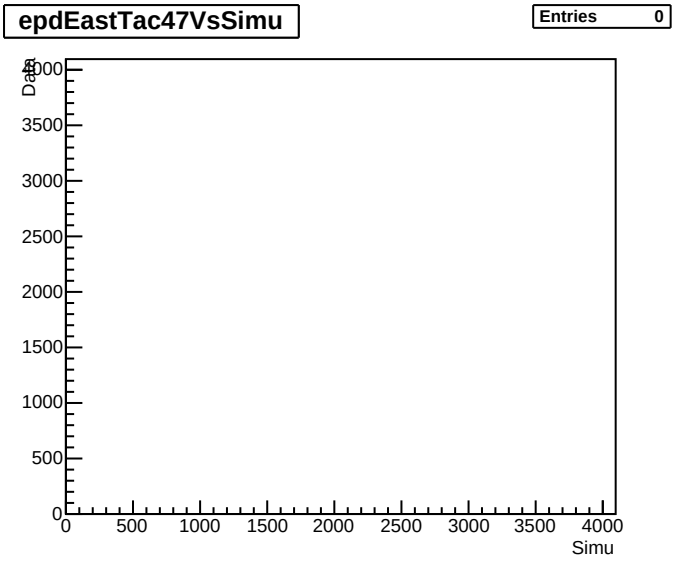

epdWestTHits
Entries 118072
Truncated NHits
DSMInput Channel

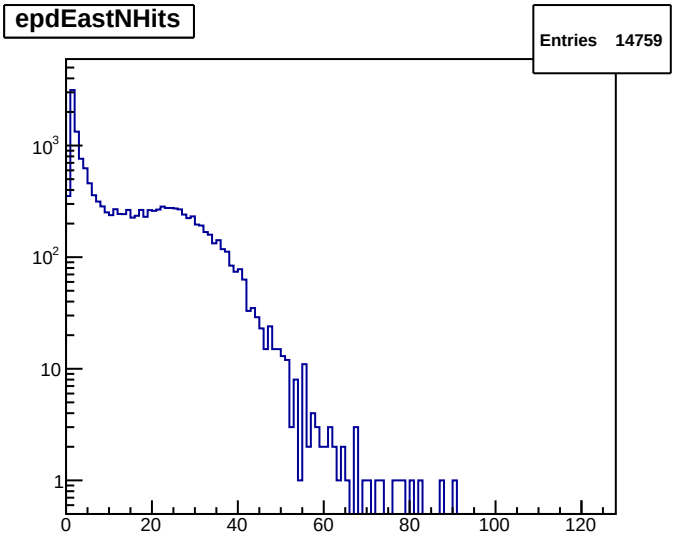

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

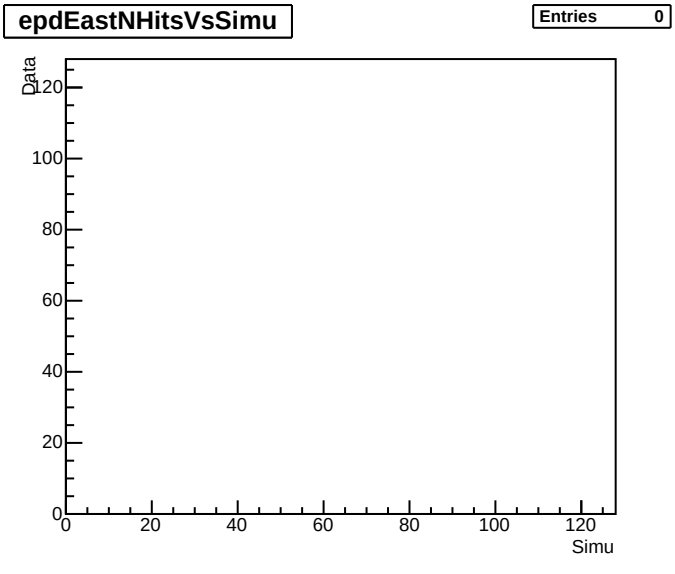

epdEastTac03
Entries 14759

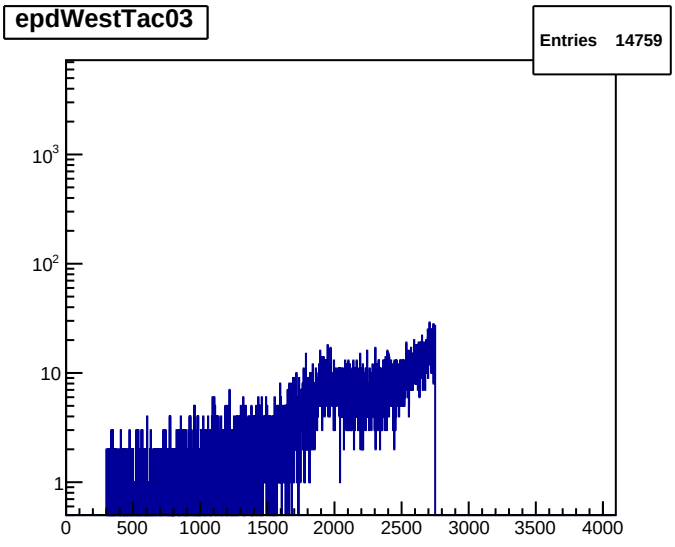

epdEastTac03VsSimu
Entries 0
Data
Simu

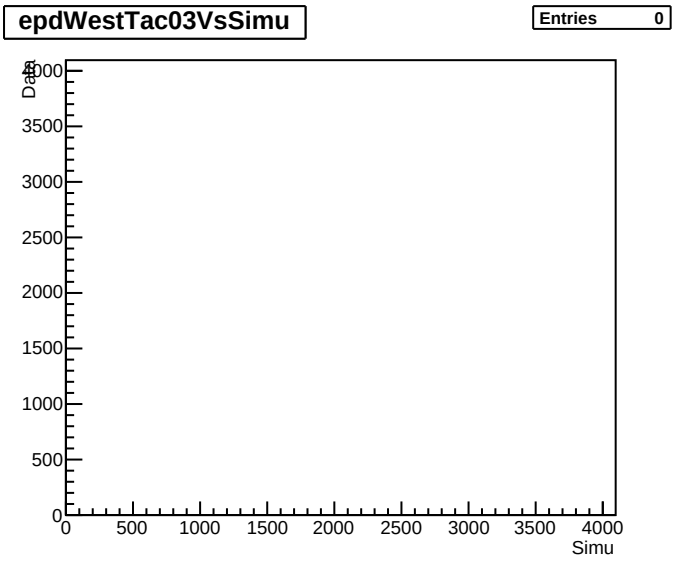

epdEastTac47
Entries 14759

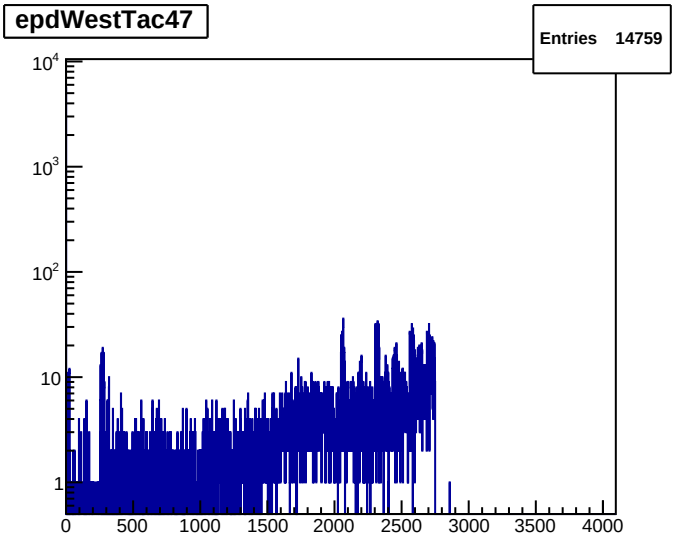

epdEastTac47VsSimu
Entries 0
Data
Simu

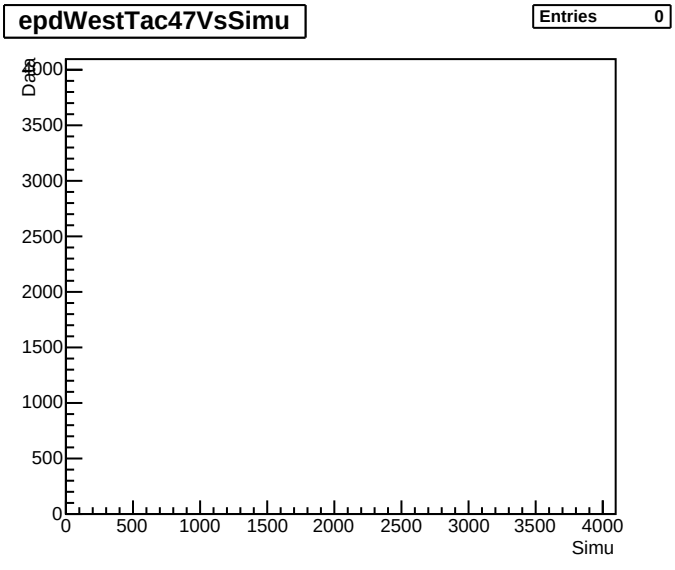

epdEastNHits
Entries 14759

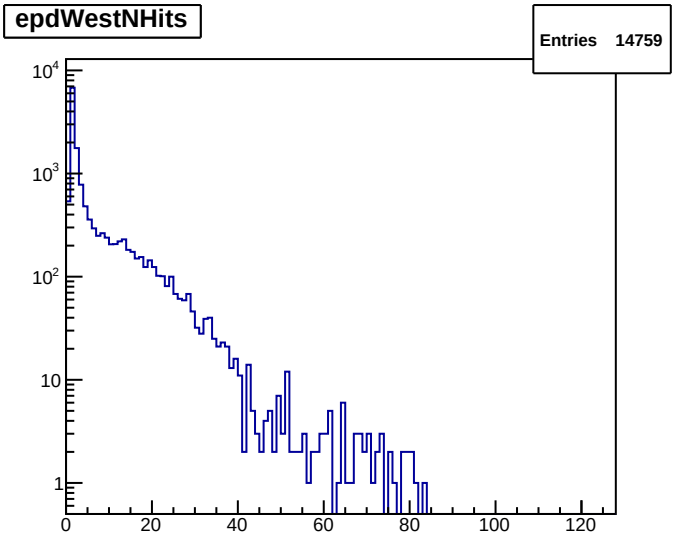

epdEastNHitsVsSimu
Entries 0
Data
Simu

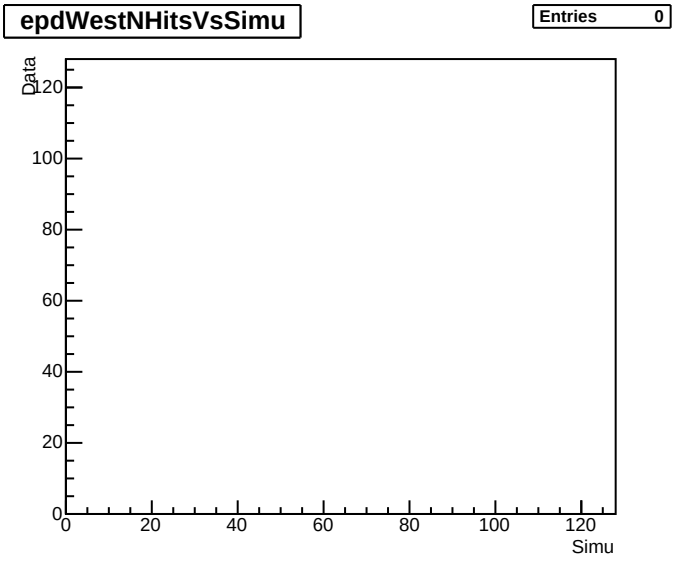

epdWestTac03
Entries 14759

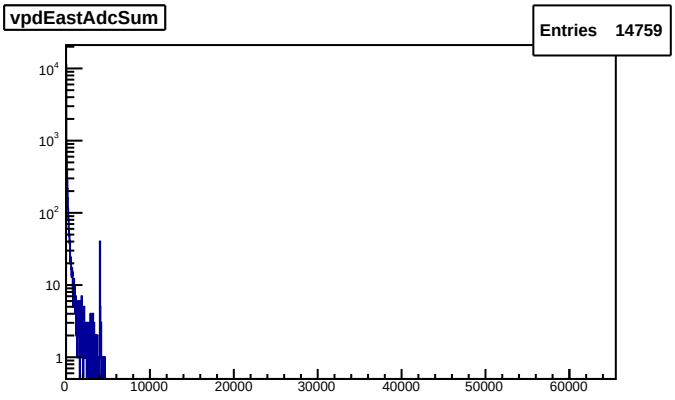

epdWestTac03VsSimu
Entries 0
Data
Simu

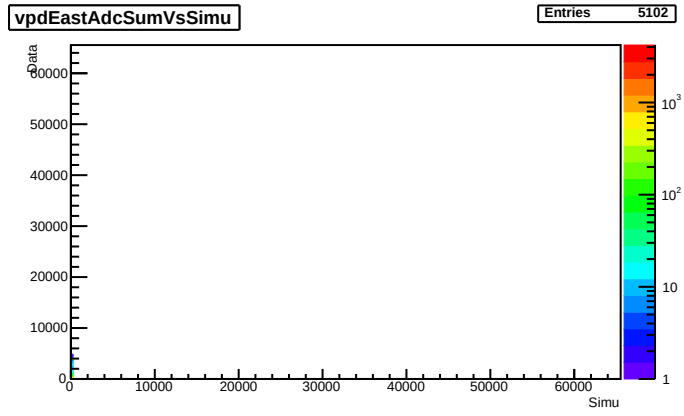

epdWestTac47
Entries 14759

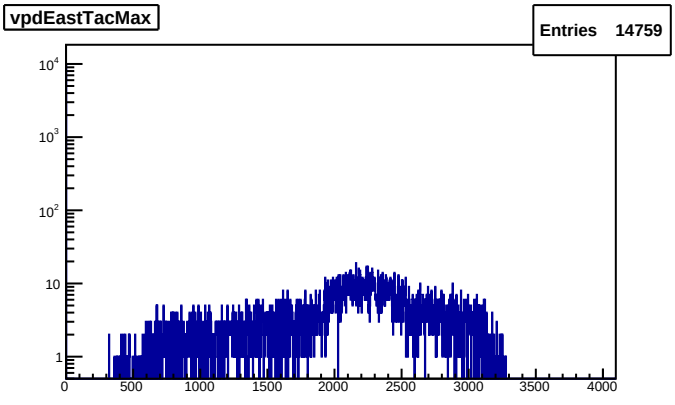

epdWestTac47VsSimu
Entries 0
Data
Simu

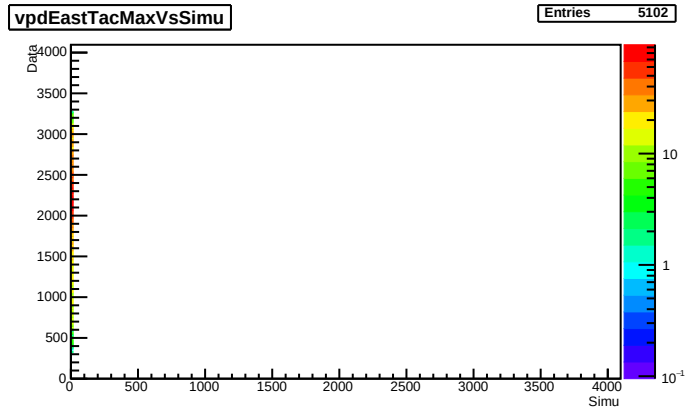

epdWestNHits
Entries 14759

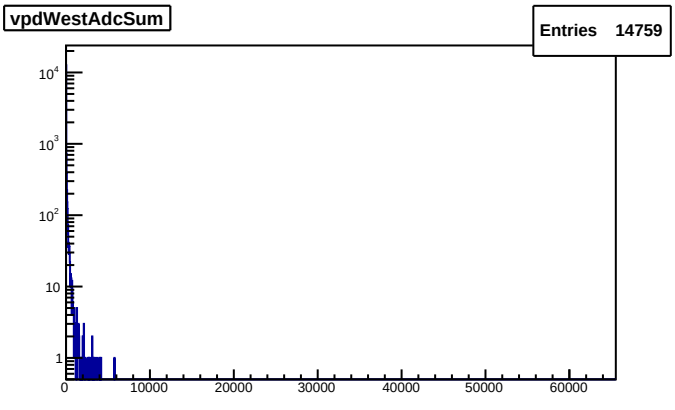

epdWestNHitsVsSimu
Entries 0
Data
Simu

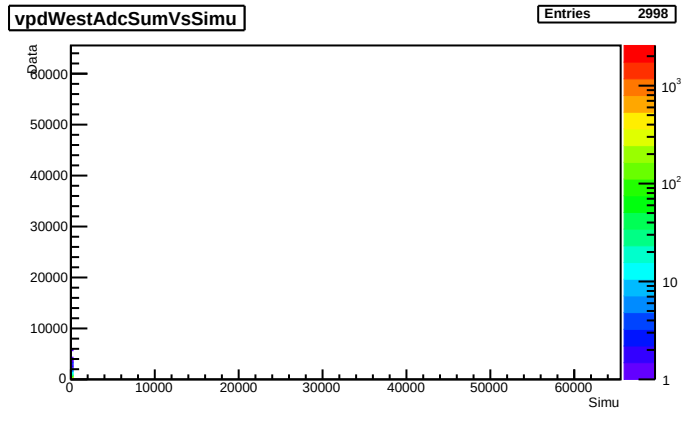

vpdEastAdcSum
Entries 14759

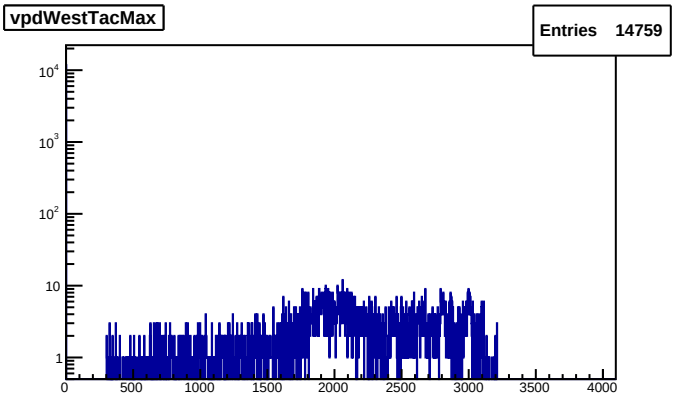

vpdEastAdcSumVsSimu
Entries 5102
Data
Simu

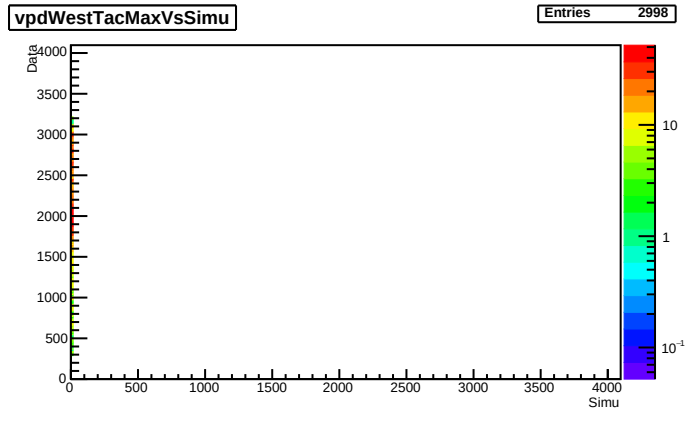

vpdEastTacMax
Entries 14759

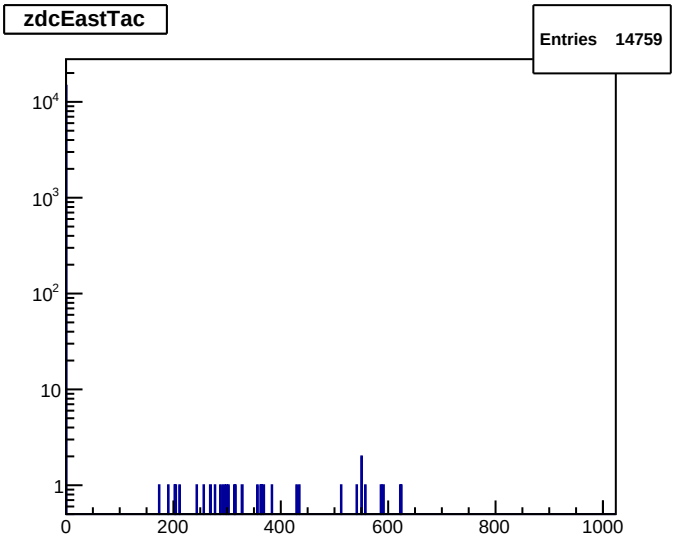

vpdEastTacMaxVsSimu
Entries 5102
Data
Simu

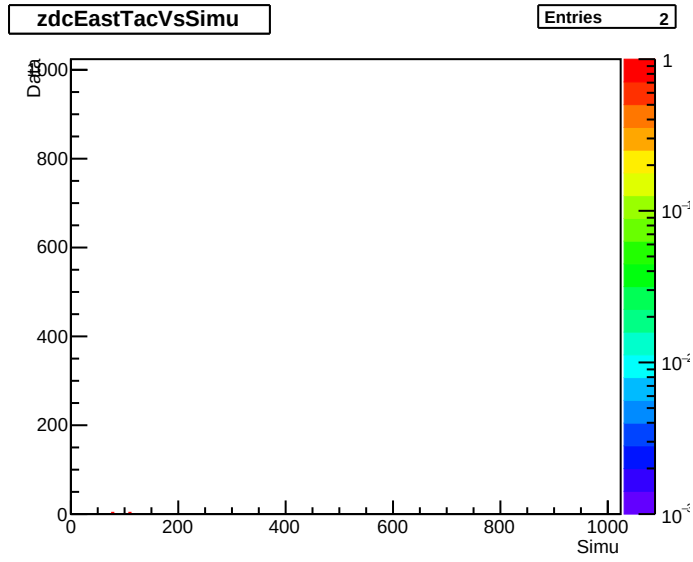

vpdWestAdcSum
Entries 14759

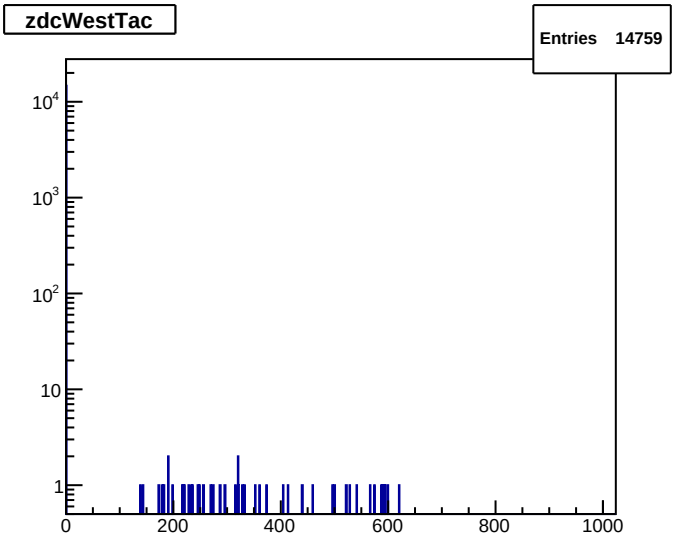

vpdWestAdcSumVsSimu
Entries 2998
Data
Simu

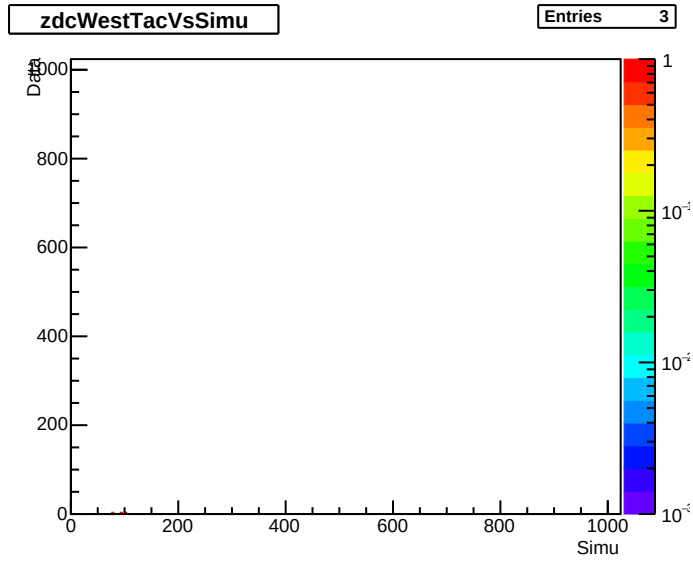

vpdWestTacMax
Entries 14759

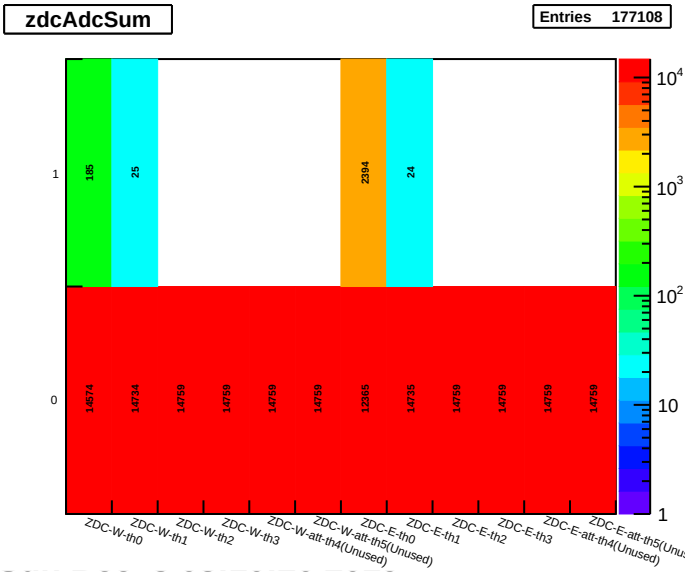

vpdWestTacMaxVsSimu
Entries 2998
Data
Simu

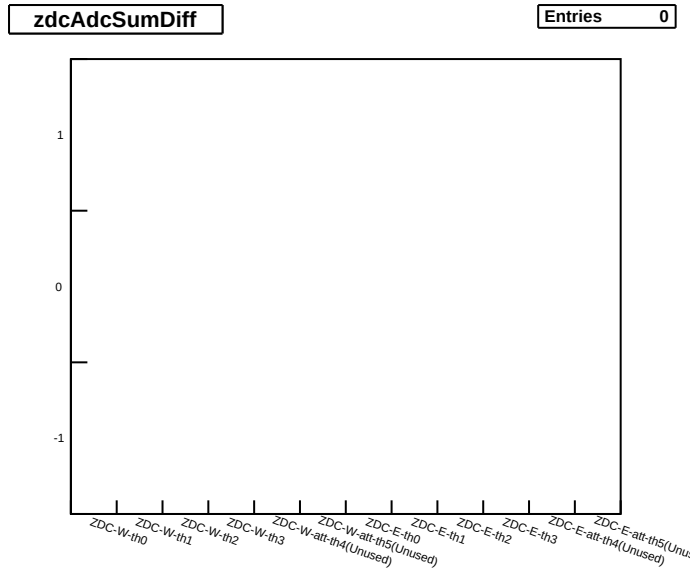

zdcEastTac
Entries 14759

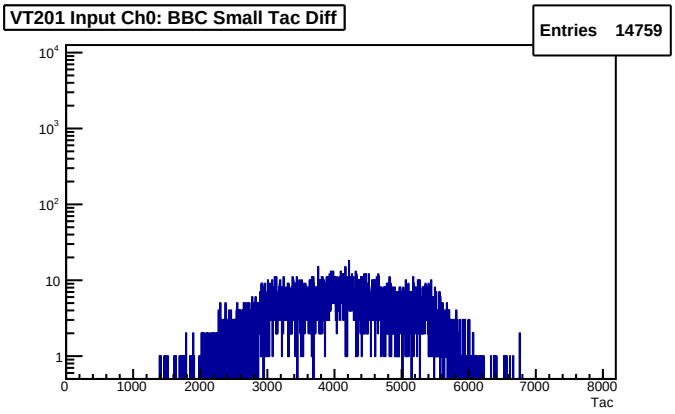

zdcEastTacVsSimu
Entries 2
Data
Simu

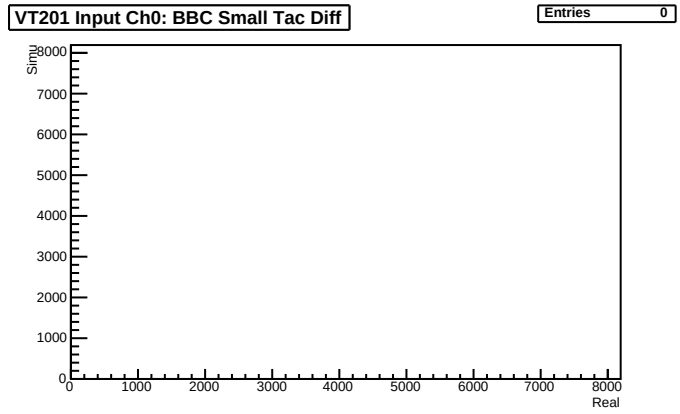

zdcWestTac
Entries 14759

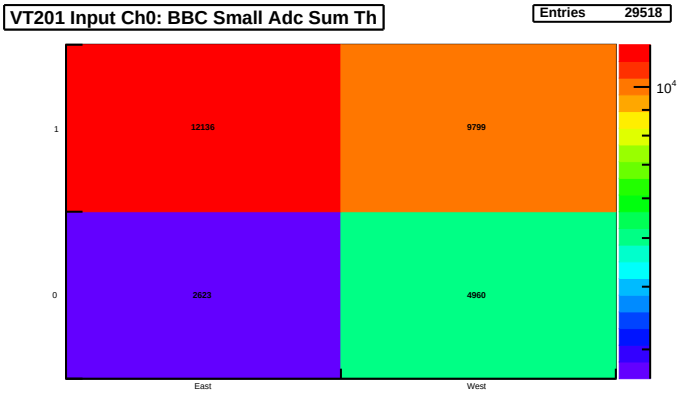

zdcWestTacVsSimu
Entries 3
Data
Simu

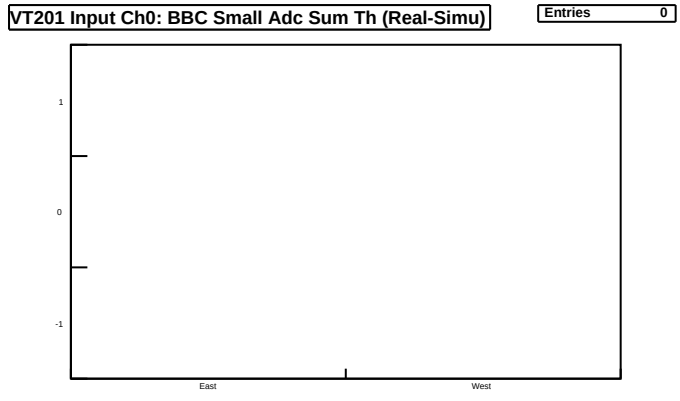

zdcAdcSum
Entries 177108
185
25
2394
24
14574
14734
14759
12365
14735
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

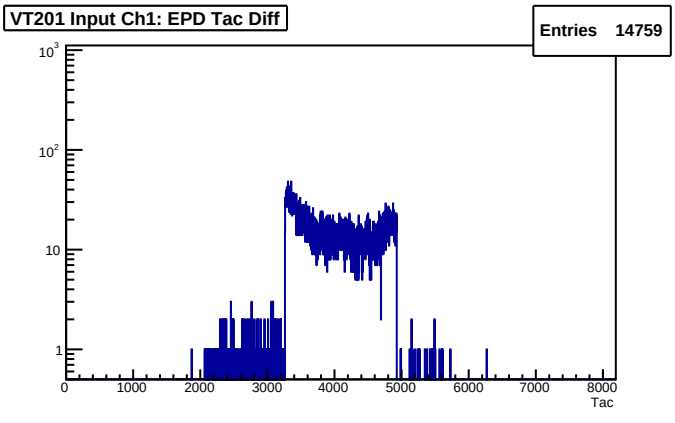

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

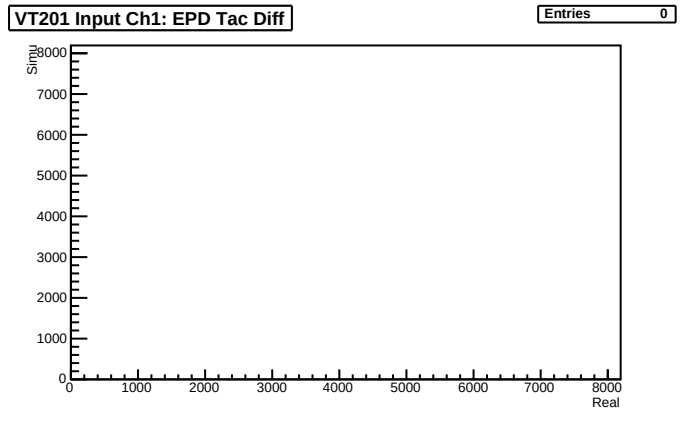

VT201 Input Ch0: BBC Small Tac Diff
Entries 14759
Tac

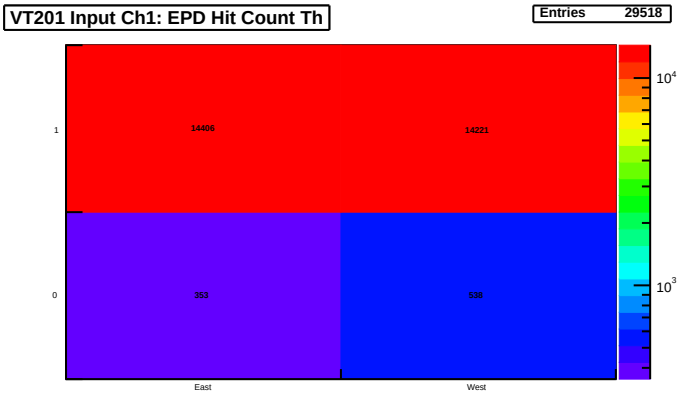

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

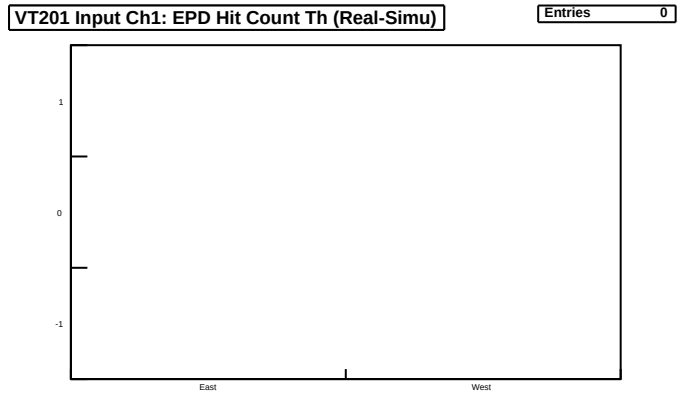

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 29518
12136
9799
2623
4960
East
West

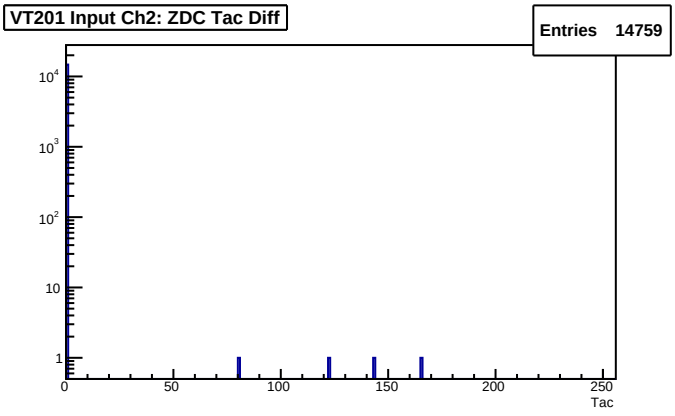

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

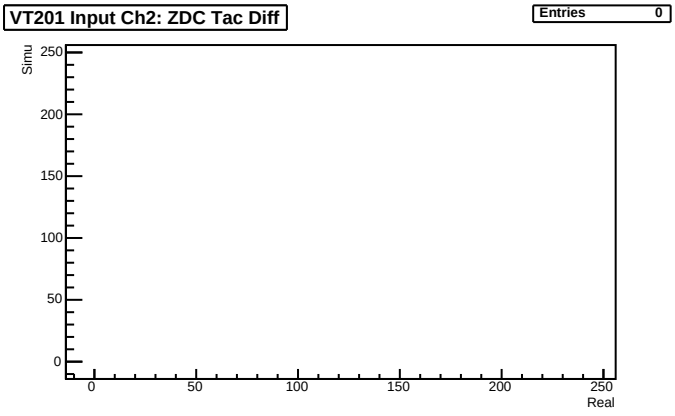

VT201 Input Ch1: EPD Tac Diff
Entries 14759
Tac

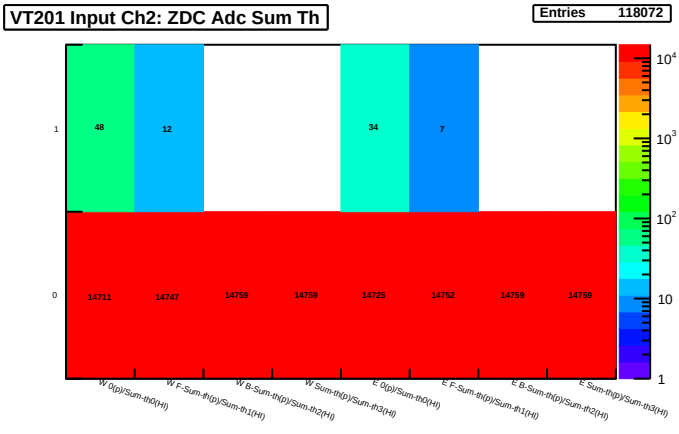

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

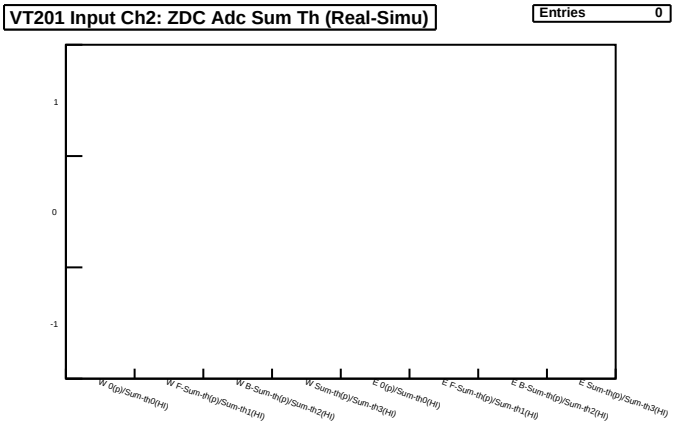

VT201 Input Ch1: EPD Hit Count Th
Entries 29518
14406
14221
353
538
East
West

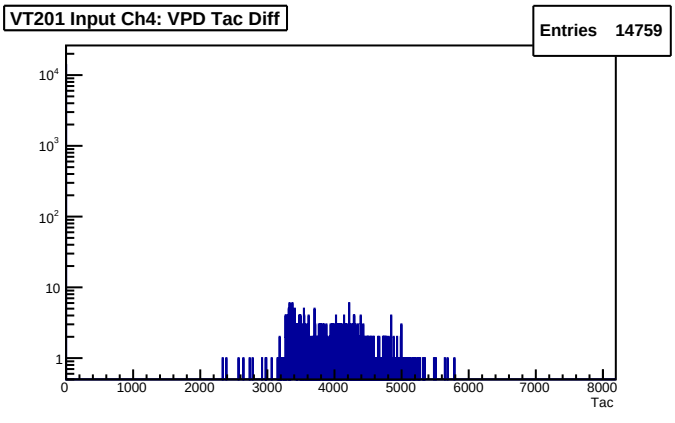

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

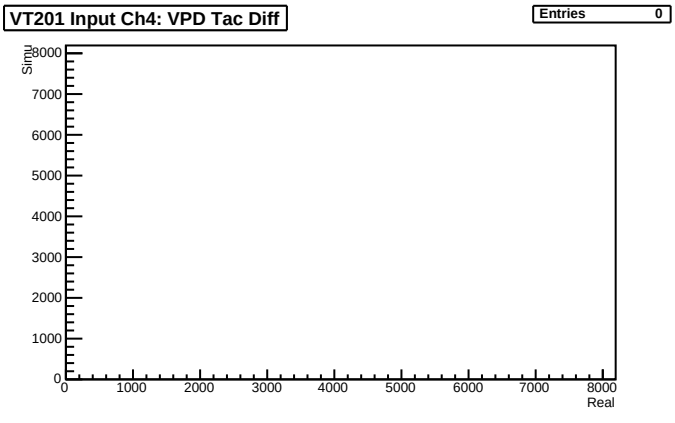

VT201 Input Ch2: ZDC Tac Diff
Entries 14759
Tac

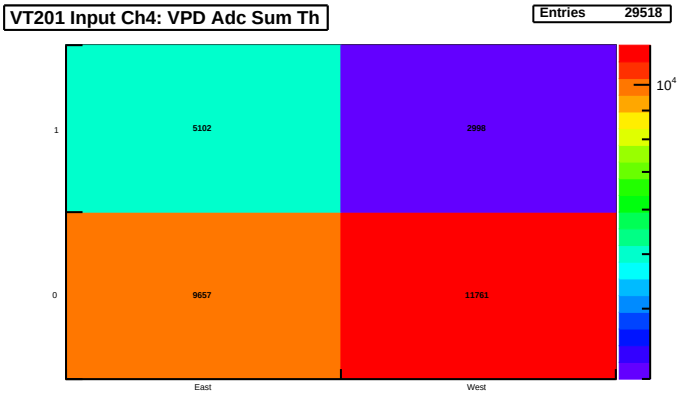

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

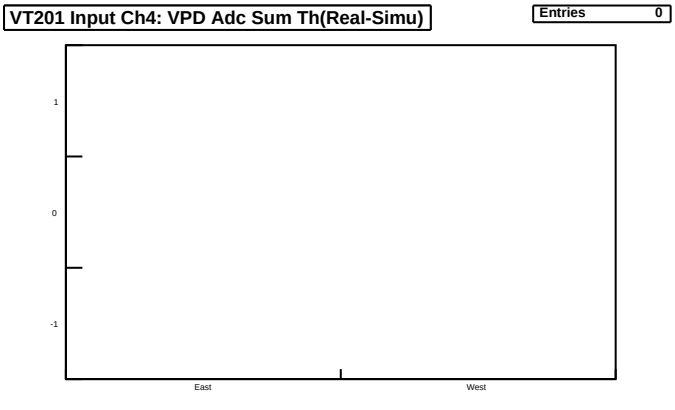

VT201 Input Ch2: ZDC Adc Sum Th
Entries 118072
48
12
34
7
14711
14747
14759
14759
14725
14752
14759
14759
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

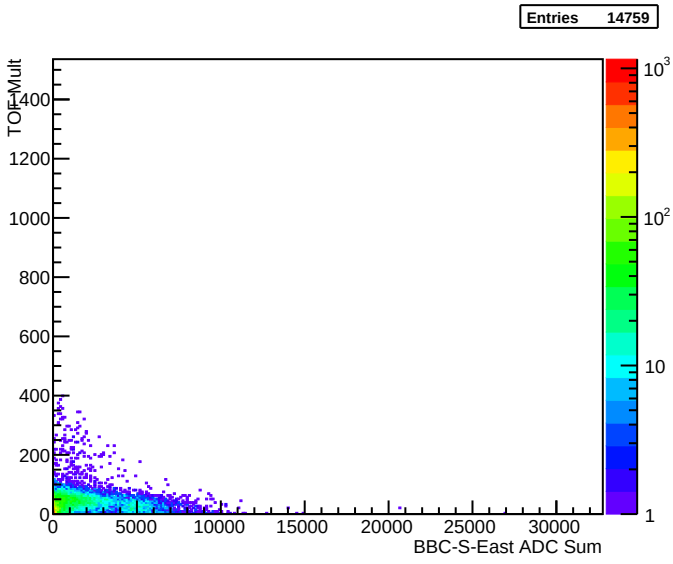

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

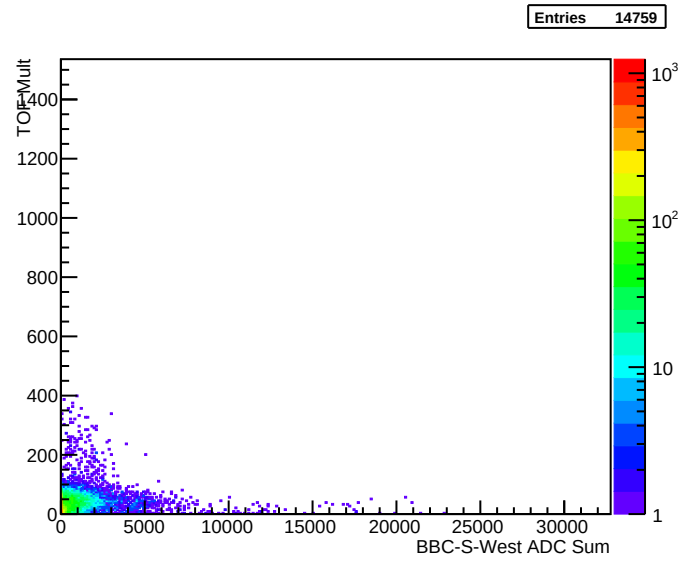

VT201 Input Ch4: VPD Tac Diff
Entries 14759
Tac

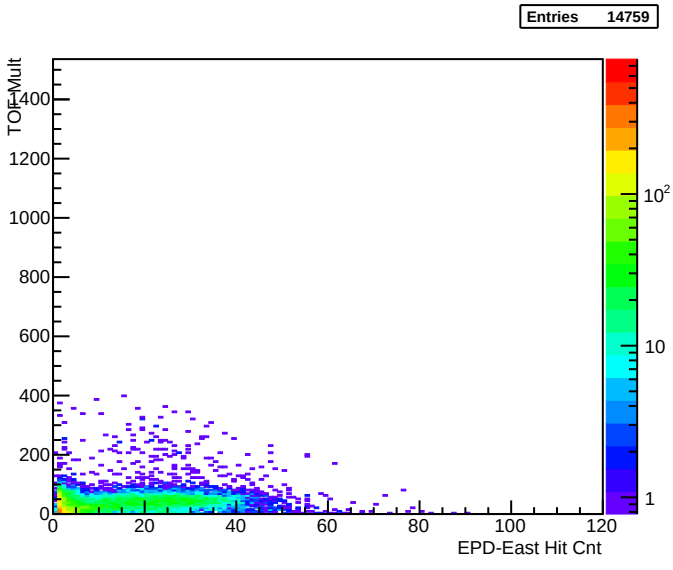

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

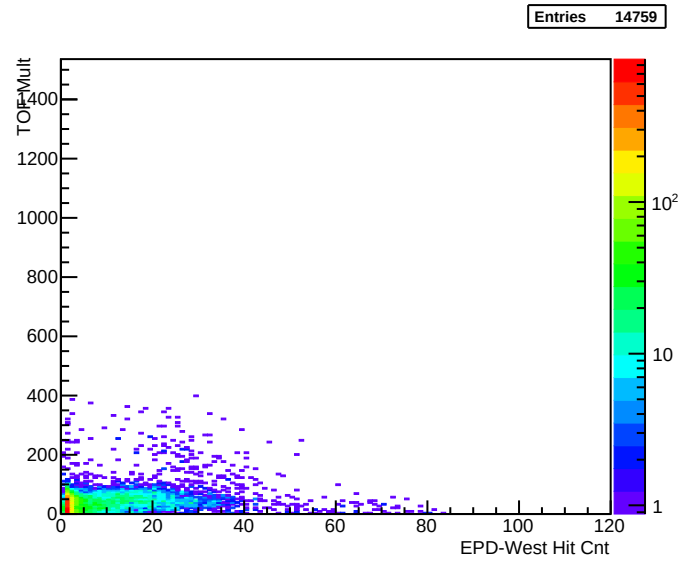

VT201 Input Ch4: VPD Adc Sum Th
Entries 29518
5102
2998
9657
11761
East
West

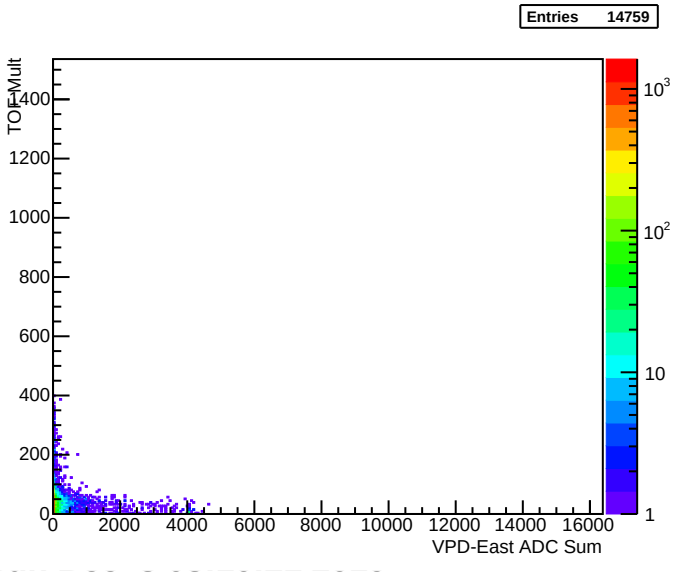

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

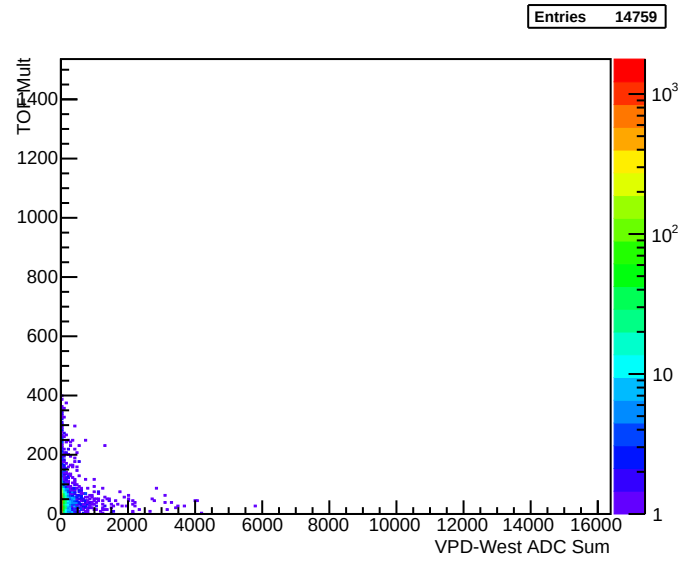

Entries 14759
TOF-Mult
BBC-S-East ADC Sum

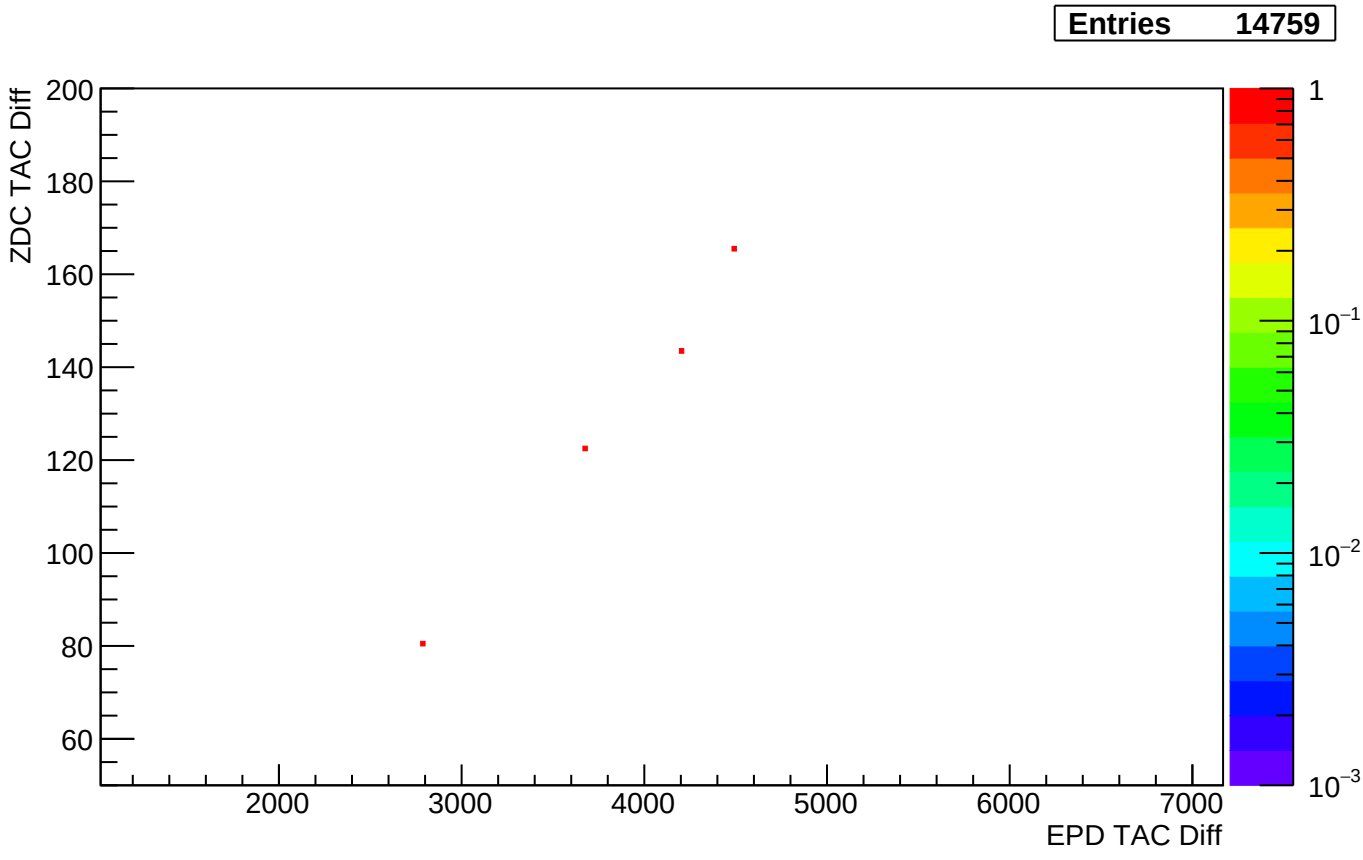

Entries 14759
TOF-Mult
BBC-S-West ADC Sum

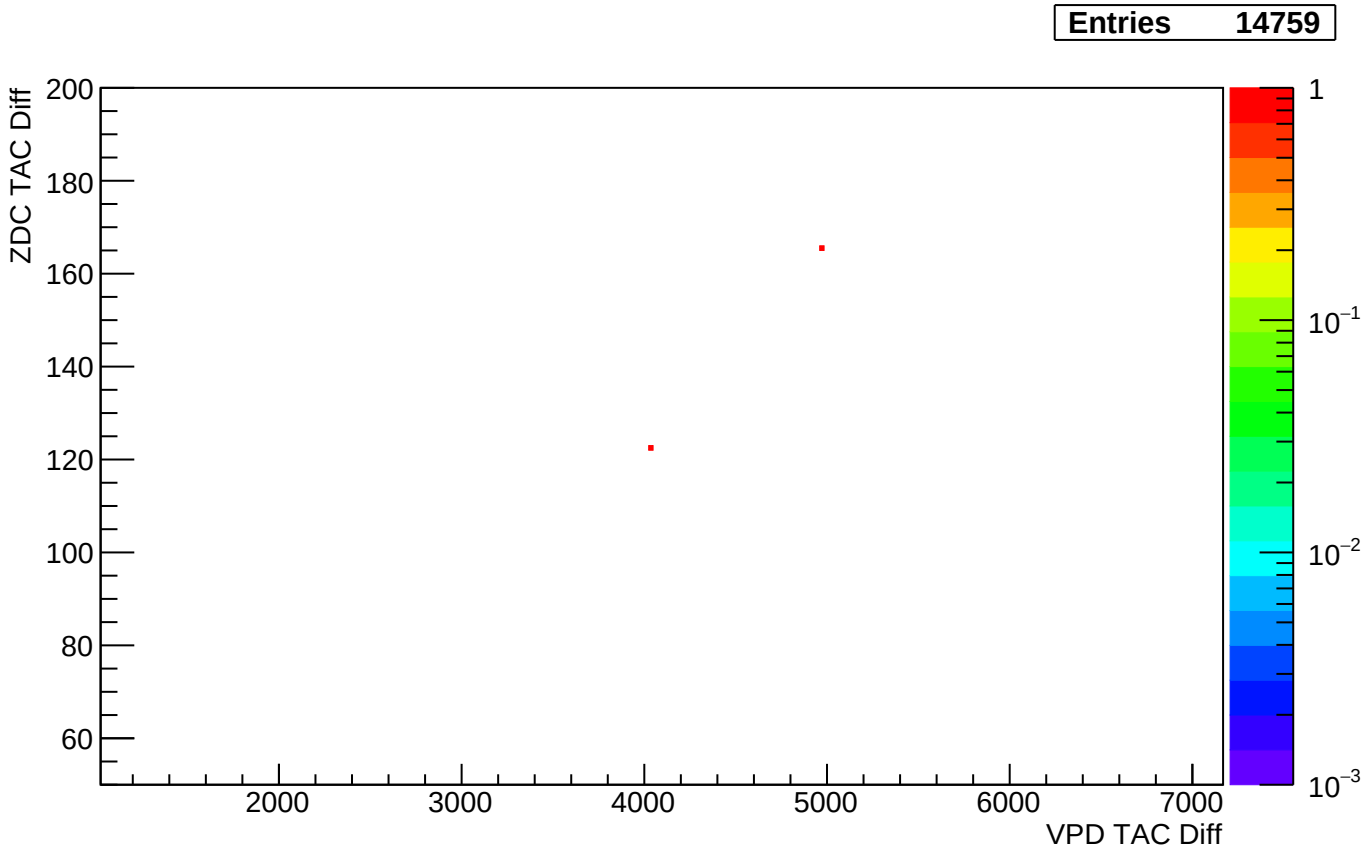

Entries 14759
TOF-Mult
EPD-East Hit Cnt

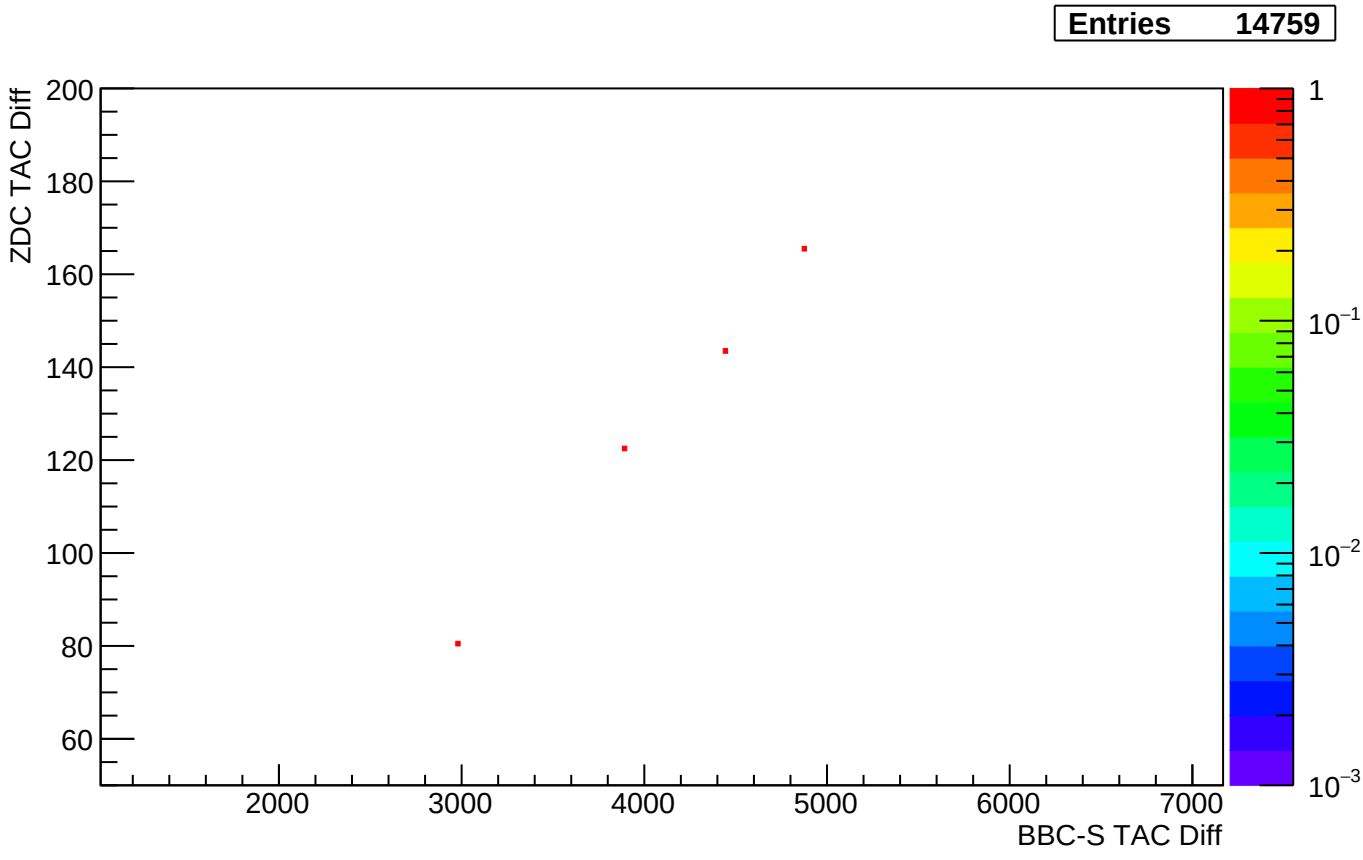

Entries 14759
TOF-Mult
EPD-West Hit Cnt

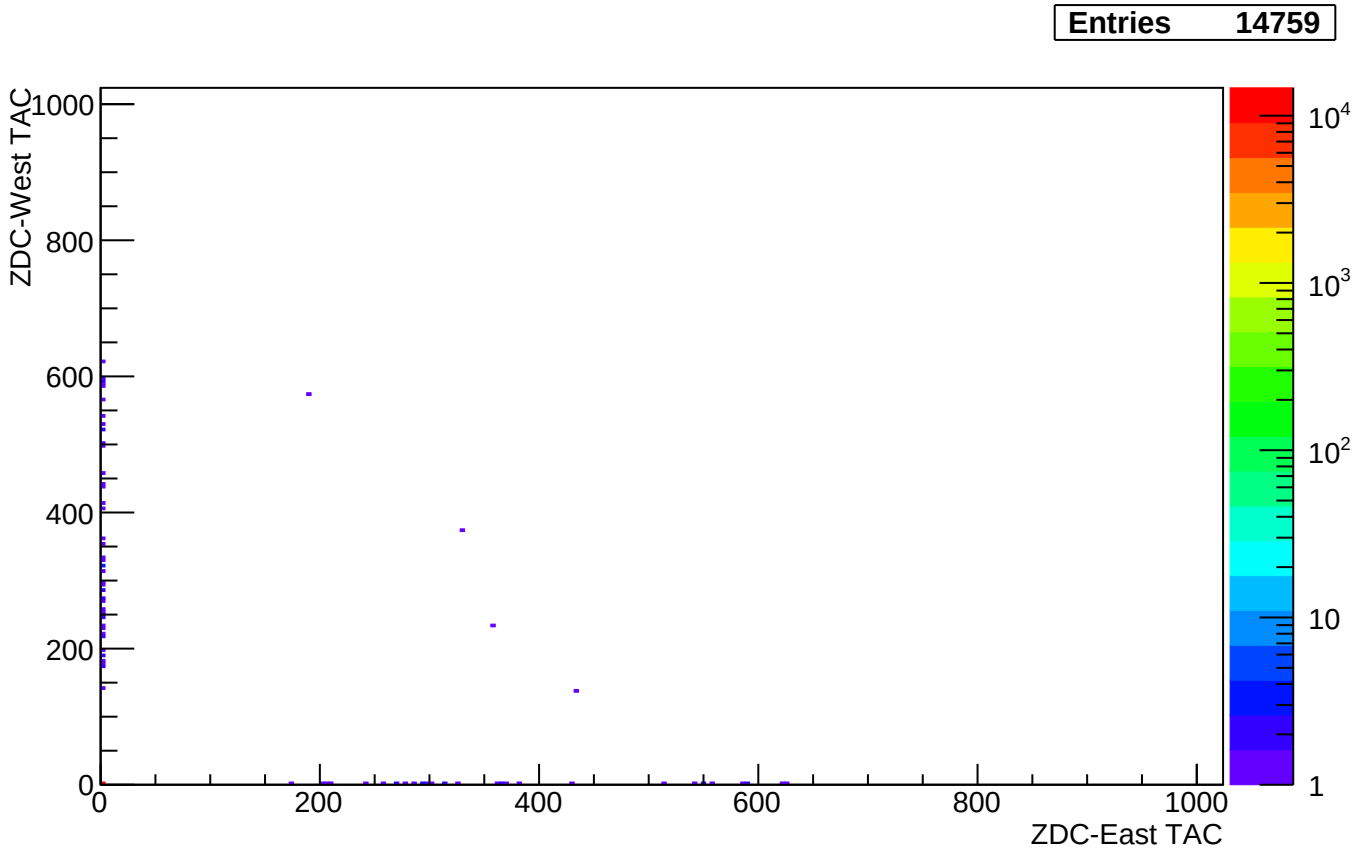

Entries 14759
TOF-Mult
VPD-East ADC Sum

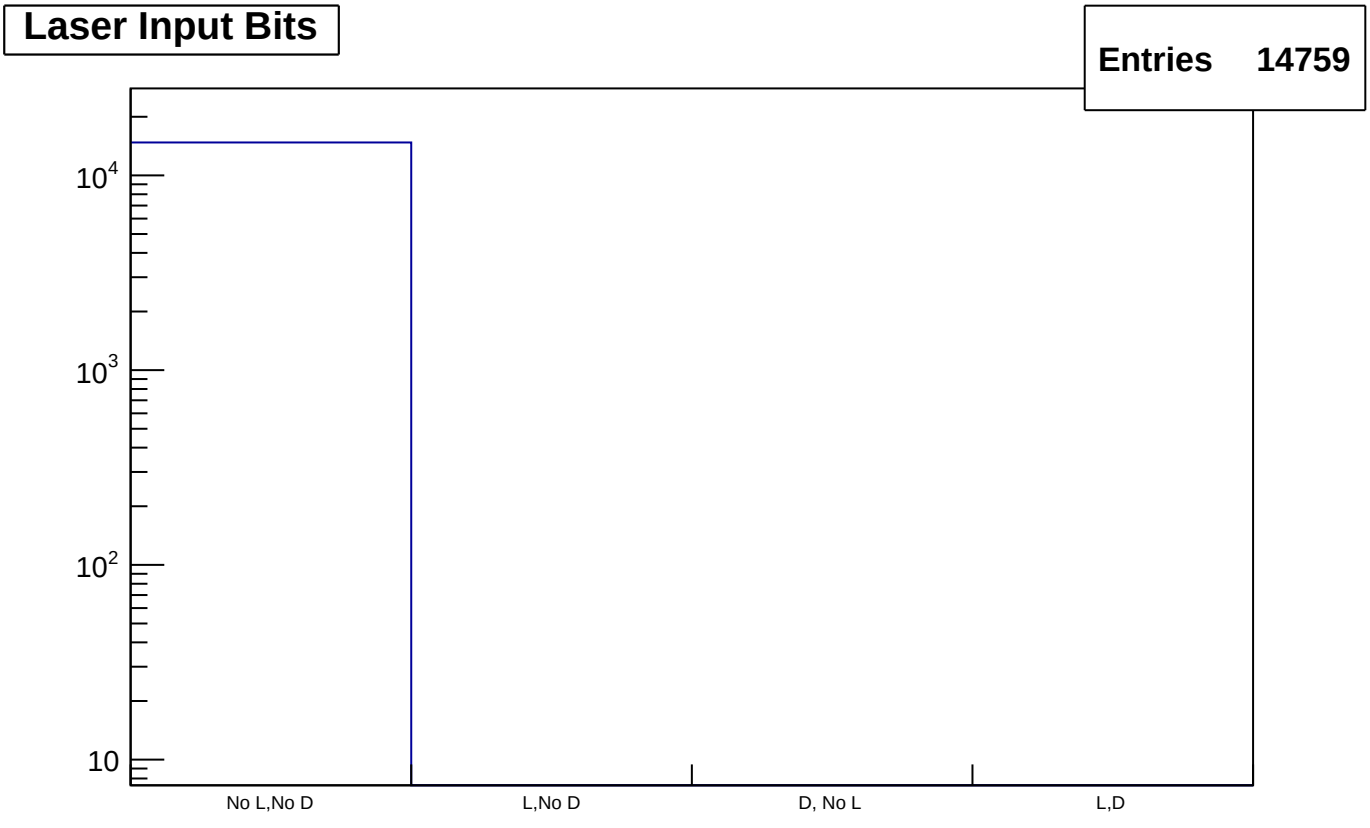

Entries 14759
TOF-Mult
VPD-West ADC Sum

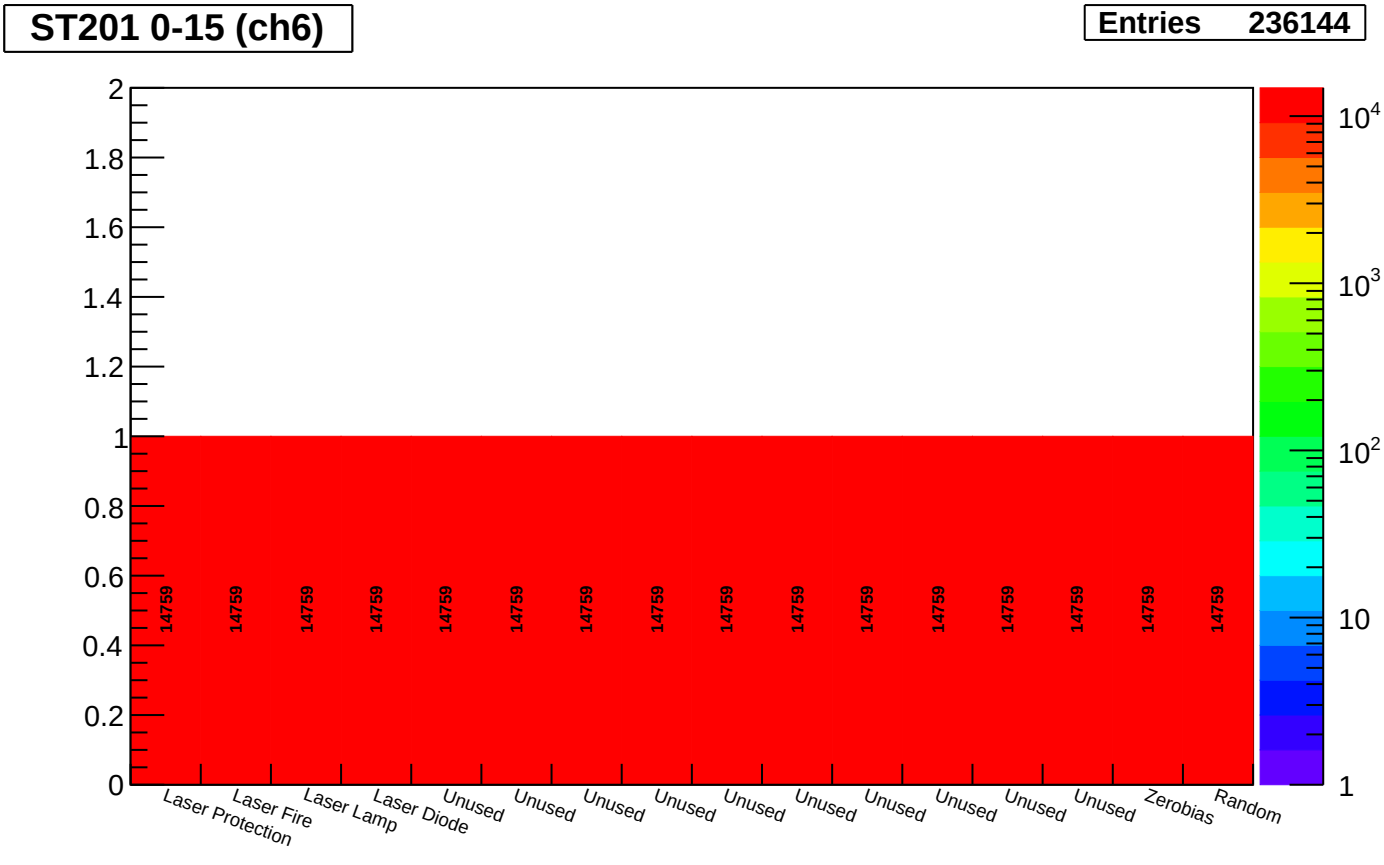

Entries 14759
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

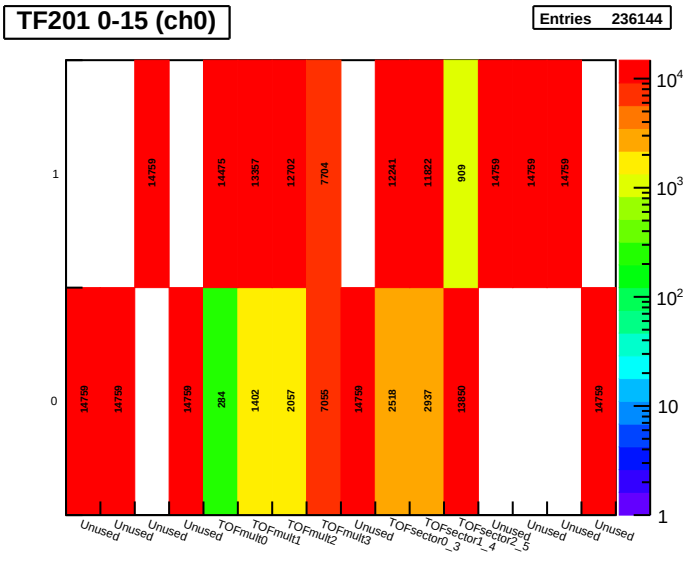

Entries 14759
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

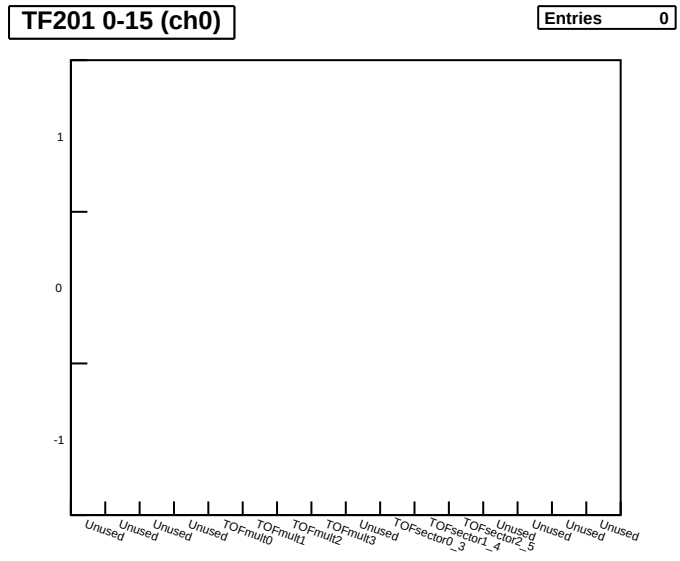

Entries 14759
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

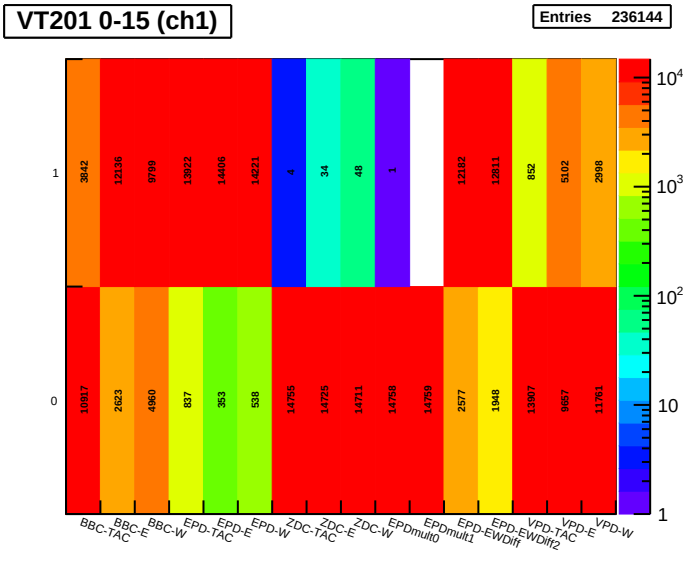

Entries 14759
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

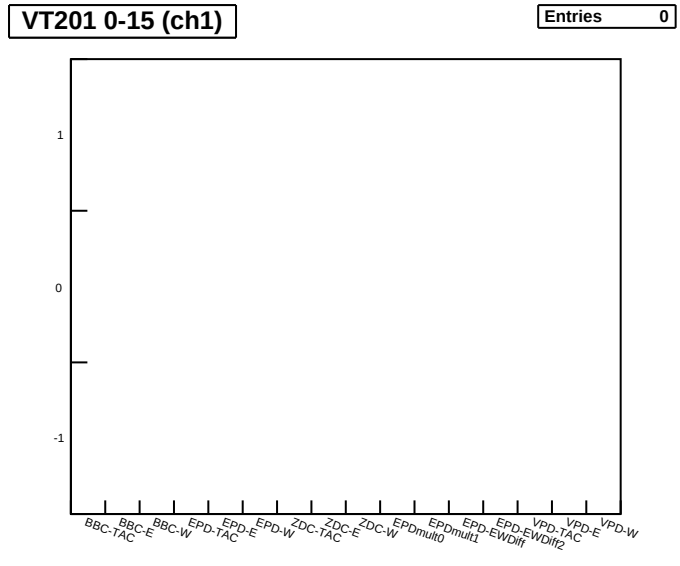

Laser Input Bits
Entries 14759
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

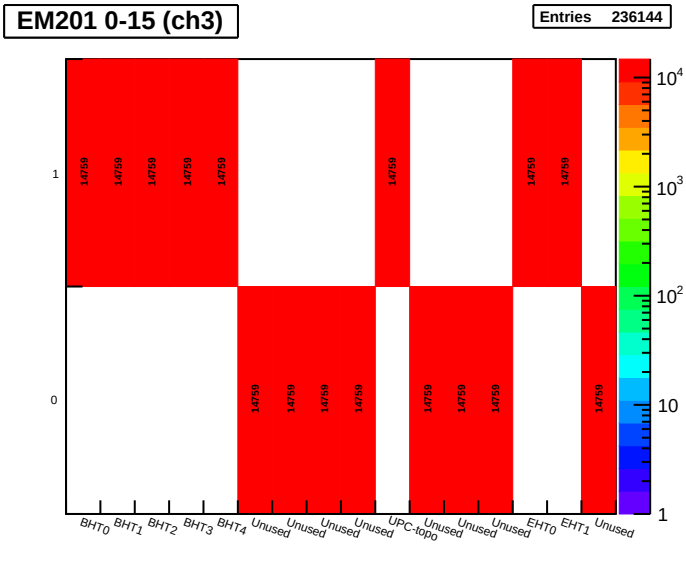

ST201 0-15 (ch6)
Entries 236144
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
14759
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

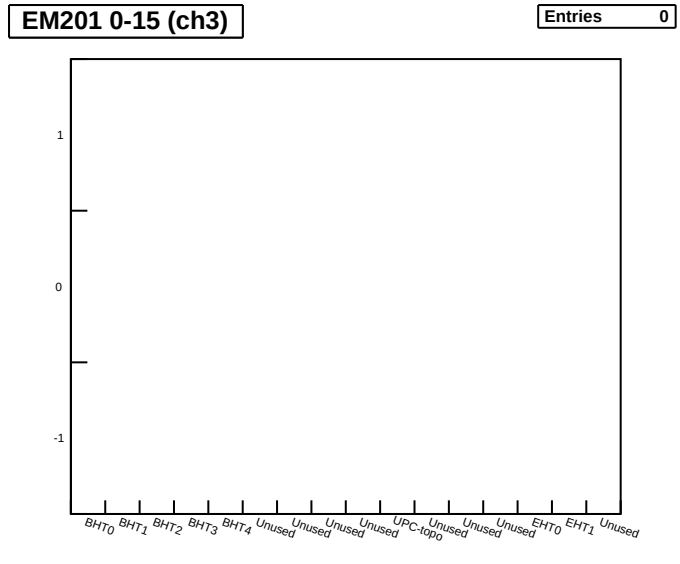

TF201 0-15 (ch0)
Entries 236144
1
0
14759 14759 14759 284 1402 2057 7055 14759 2518 2937 13850 14759
14759 14475 13357 12702 7704 12241 11822 909 14759 14759 14759
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 236144
1
0
3842 12136 9799 13922 14406 14221 4 34 48 1 12182 12811 852 5102 2998
10917 2623 4960 837 353 538 14755 14725 14711 14758 14759 2577 1948 13907 9657 11761
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 236144
1
0
14759 14759 14759 14759 14759 14759 14759 14759 14759
14759 14759 14759 14759 14759 14759 14759 14759
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4 10^3 10^2 10 1


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