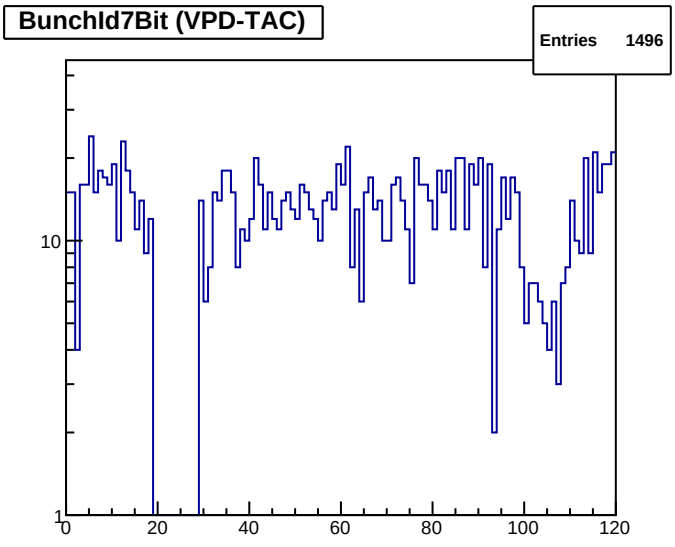
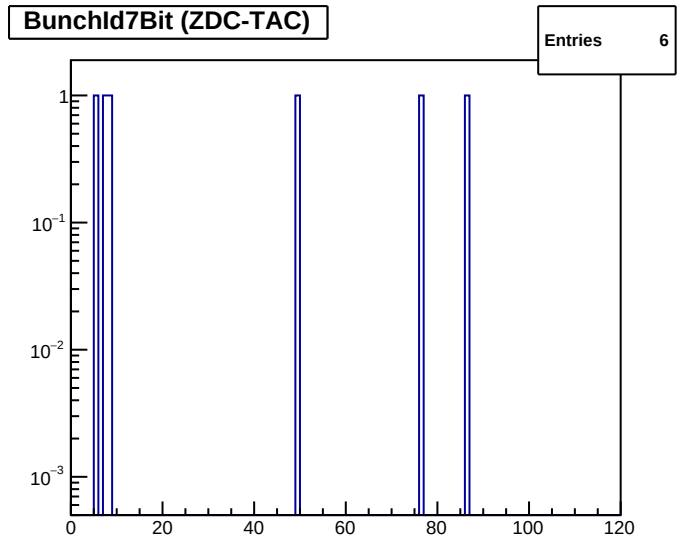
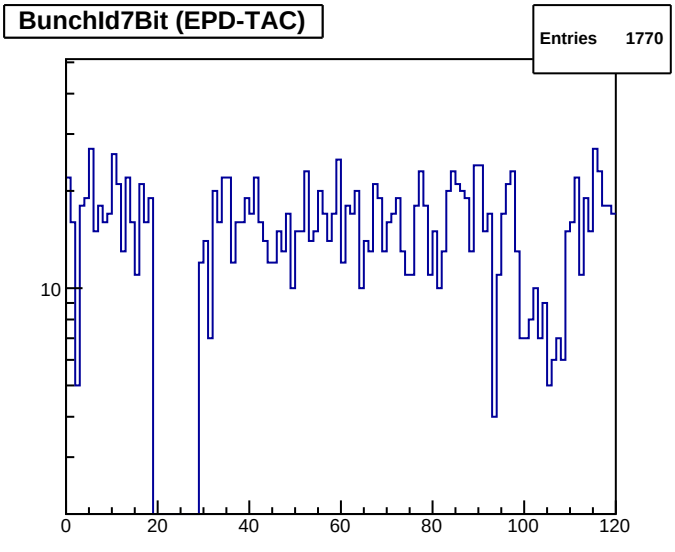
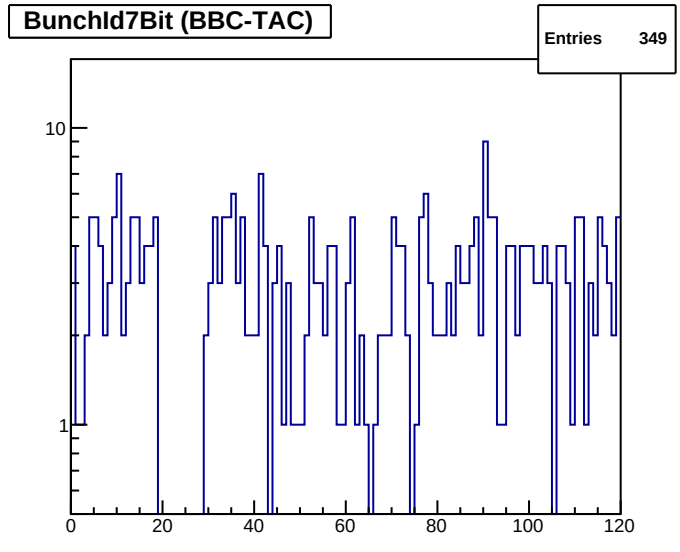
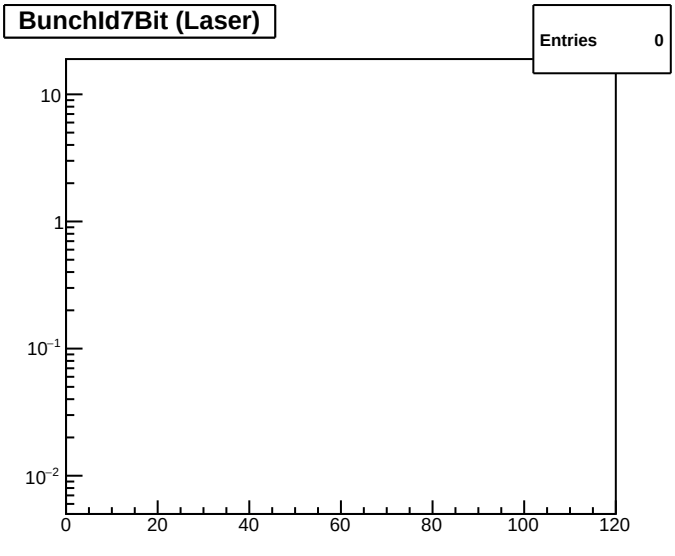
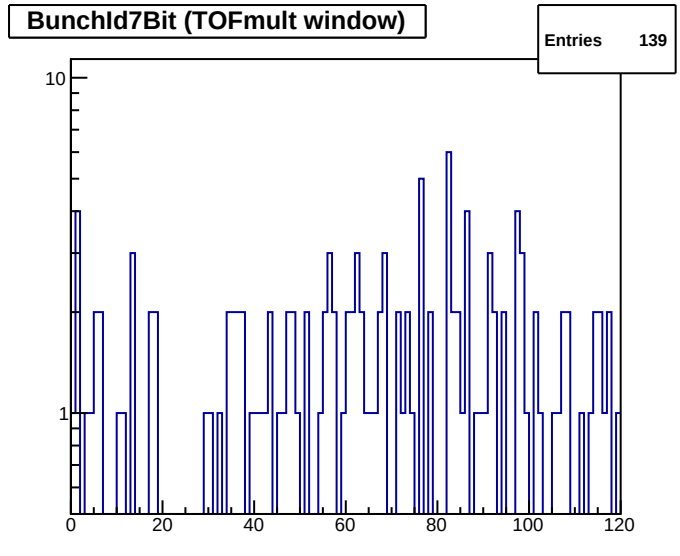

BunchId7Bit (VPD-TAC)
Entries 1496

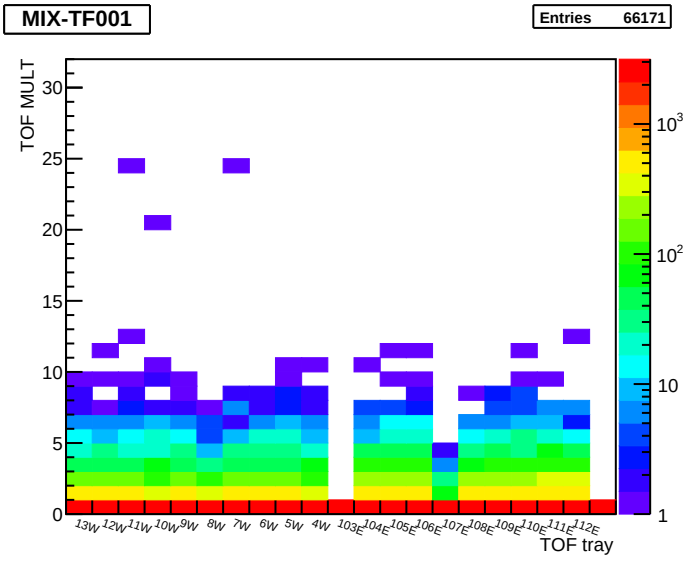

BunchId7Bit (ZDC-TAC)
Entries 6

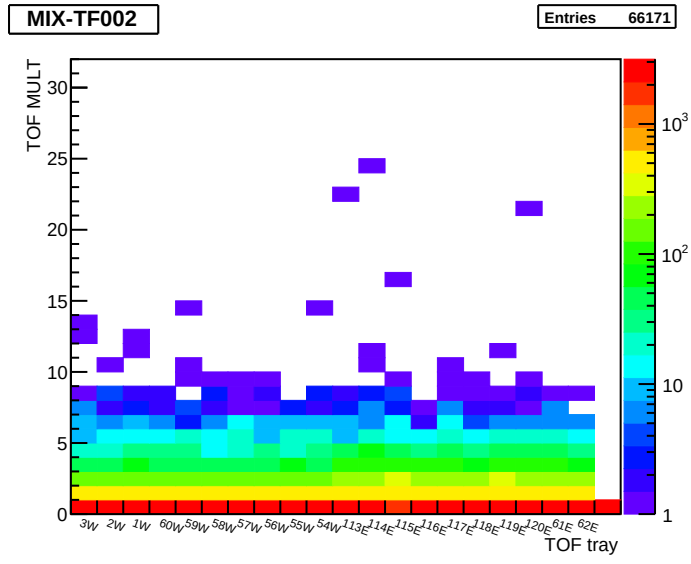

BunchId7Bit (EPD-TAC)
Entries 1770

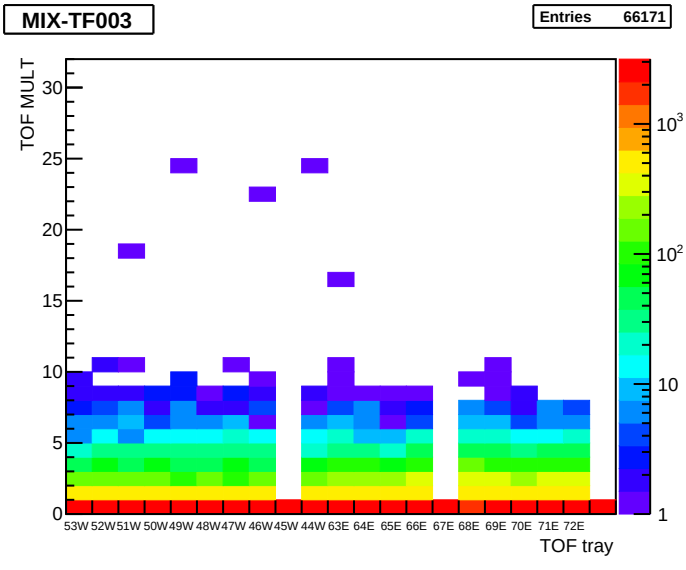

BunchId7Bit (BBC-TAC)
Entries 349

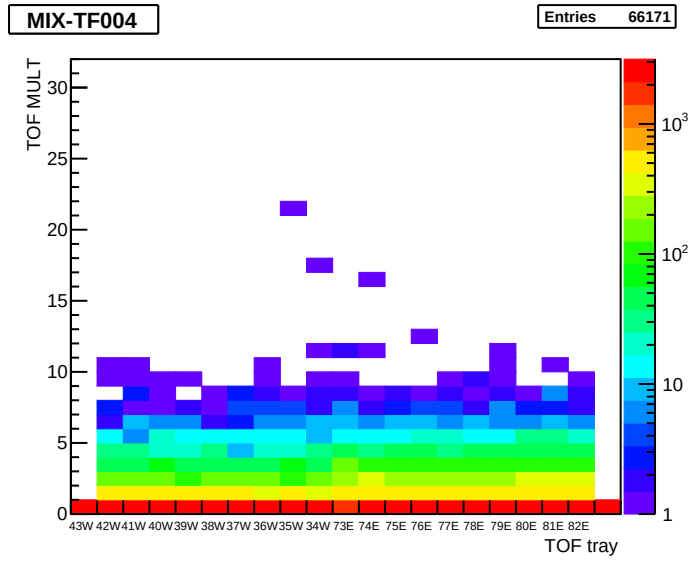

BunchId7Bit (Laser)
Entries 0

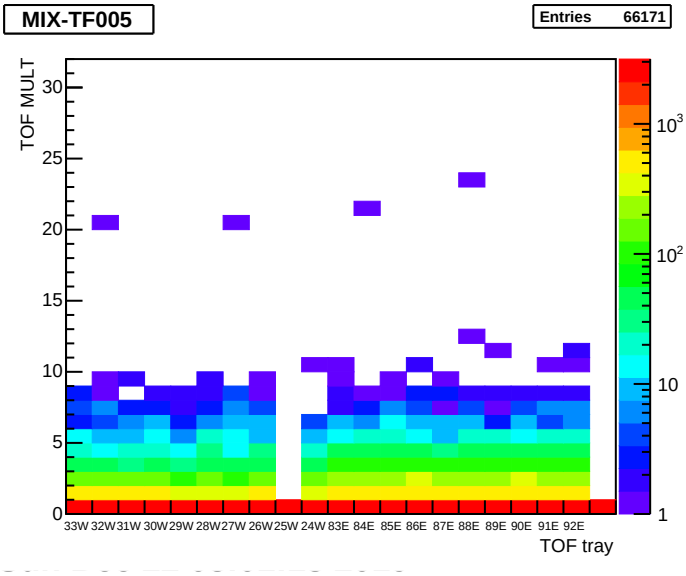

BunchId7Bit (TOFmult window)
Entries 139

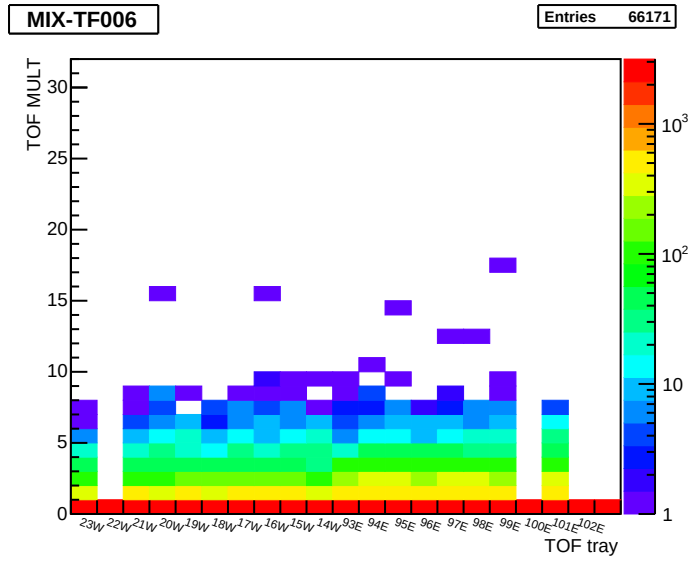

MIX-TF001
Entries 66171
TOF MULT
TOF tray

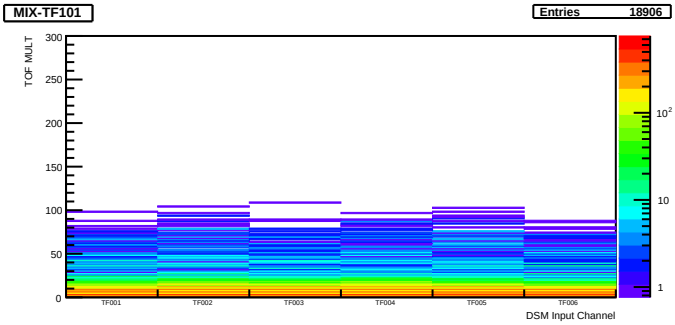

MIX-TF002
Entries 66171
TOF MULT
TOF tray

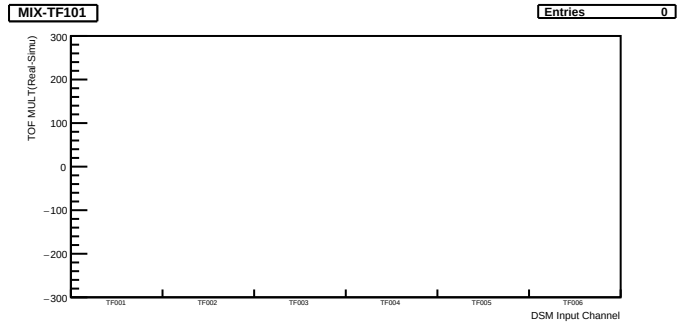

MIX-TF003
Entries 66171
TOF MULT
TOF tray

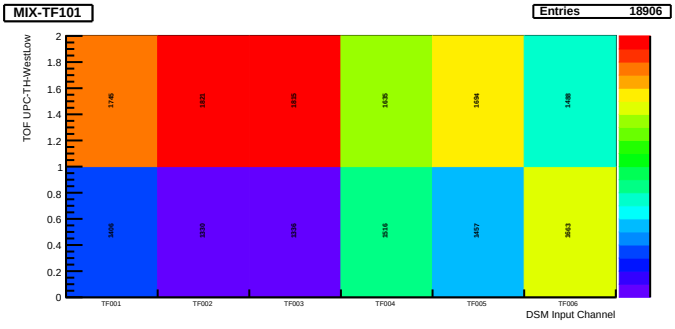

MIX-TF004
Entries 66171
TOF MULT
TOF tray

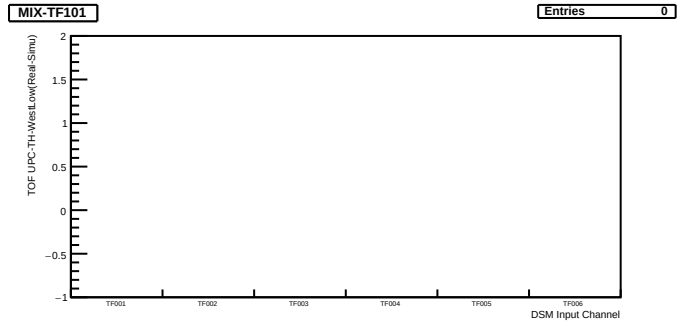

MIX-TF005
Entries 66171
TOF MULT
TOF tray

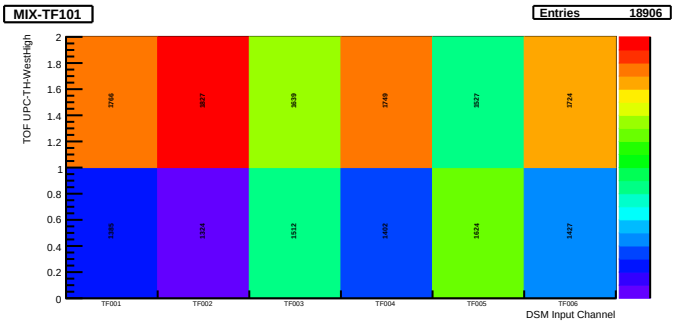

MIX-TF006
Entries 66171
TOF MULT
TOF tray

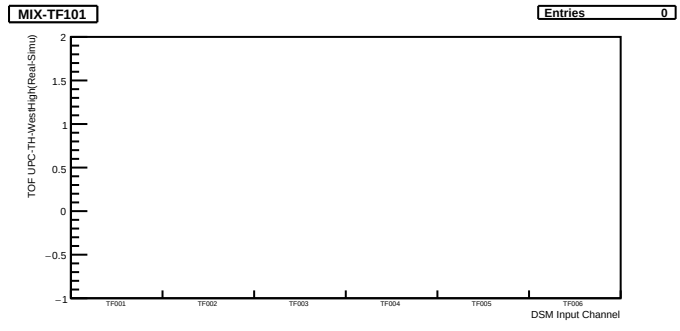

MIX-TF101
Entries 18906
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

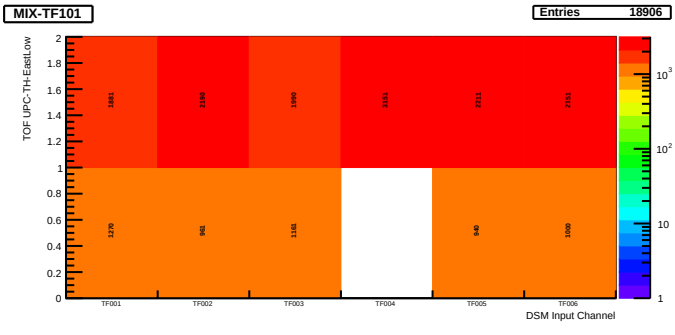

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

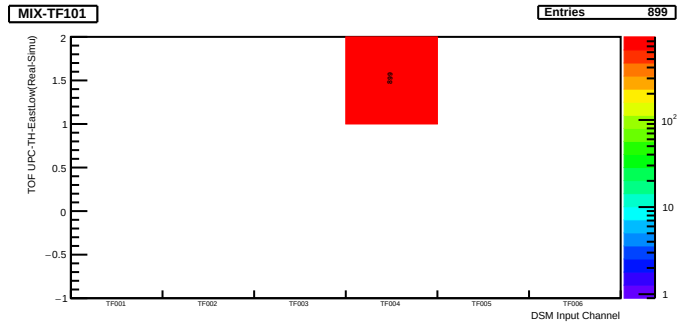

MIX-TF101
Entries 18906
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

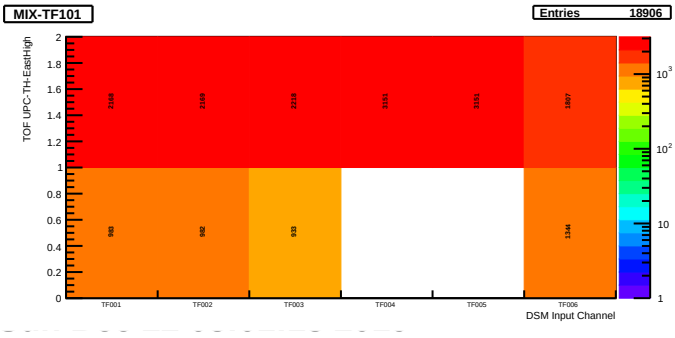

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

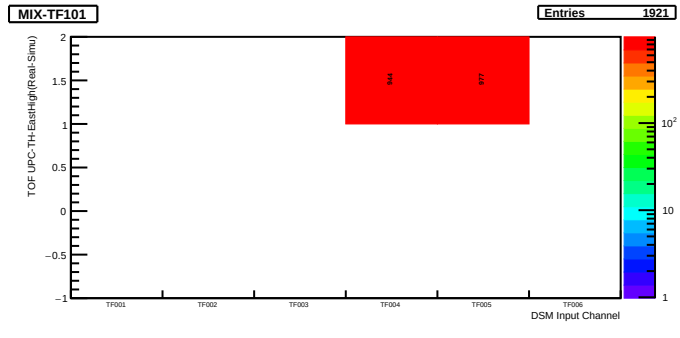

MIX-TF101
Entries 18906
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

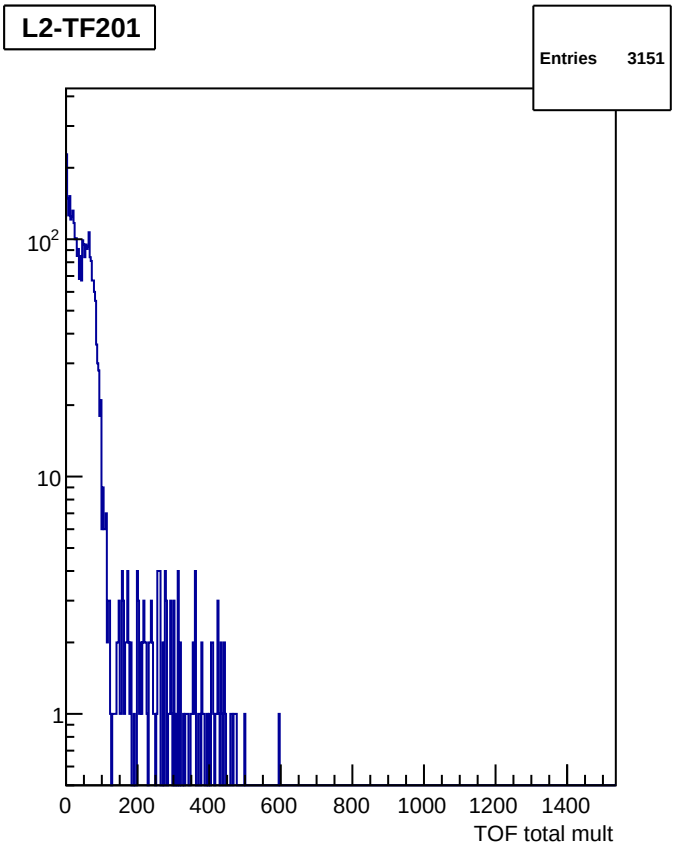

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

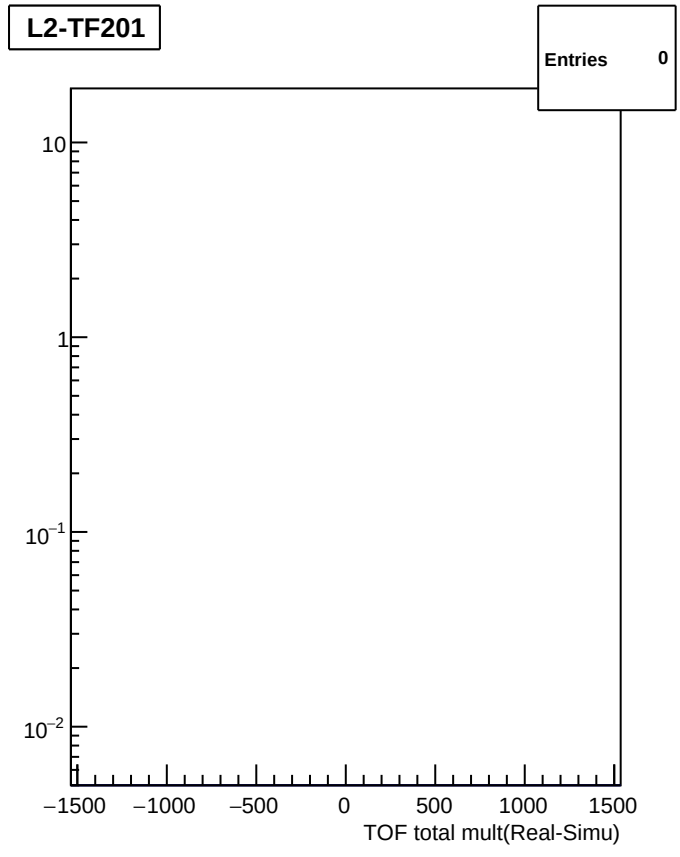

MIX-TF101
Entries 18906
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

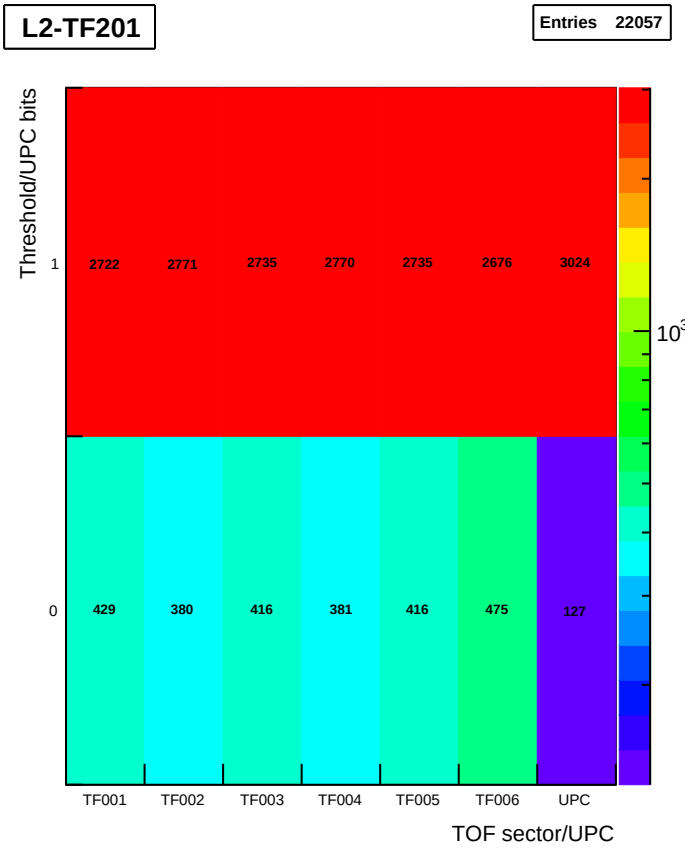

MIX-TF101
Entries 899
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

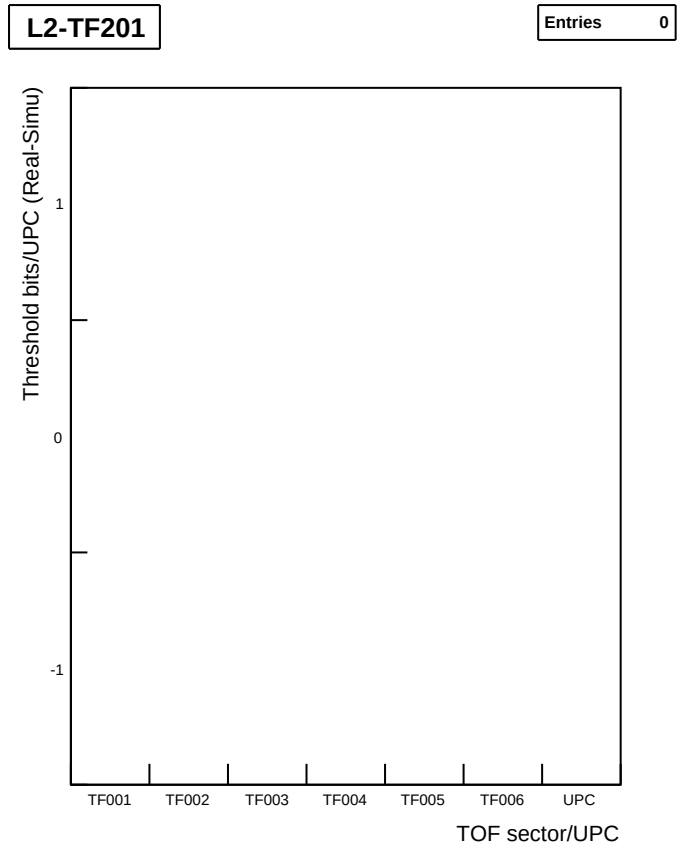

MIX-TF101
Entries 18906
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

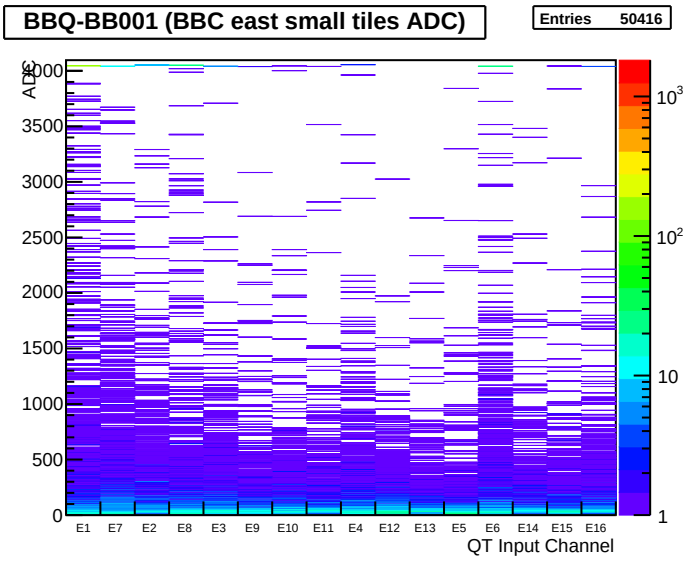

MIX-TF101
Entries 1921
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

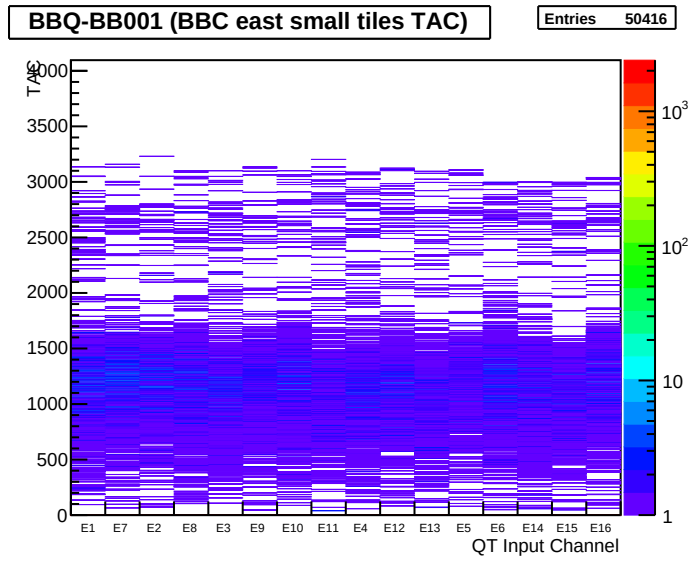

L2-TF201
Entries 3151
TOF total mult

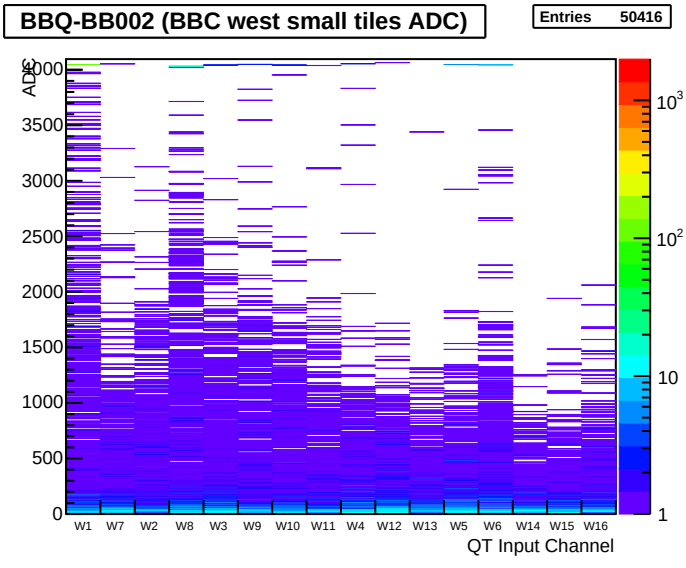

L2-TF201
Entries 0
TOF total mult(Real-Simu)

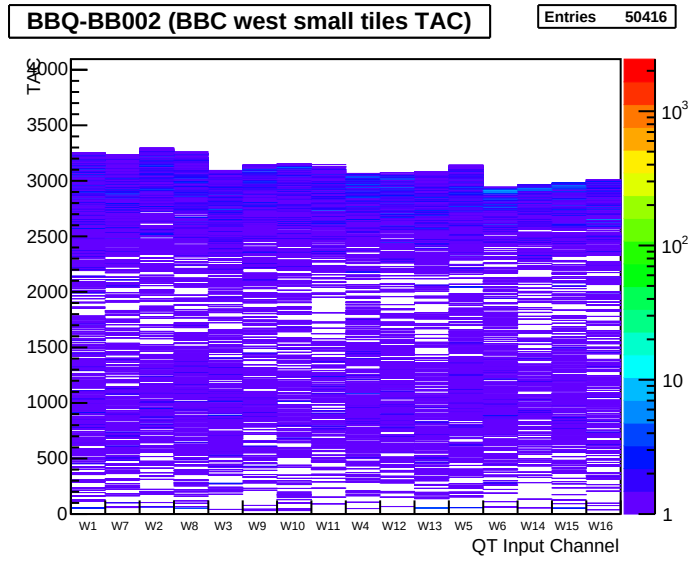

L2-TF201
Entries 22057
Threshold/UPC bits
2722
2771
2735
2770
2735
2676
3024
429
380
416
381
416
475
127
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

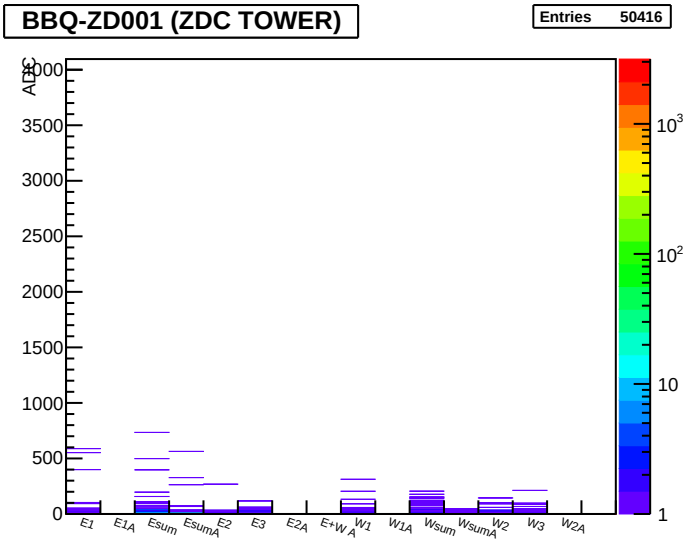

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

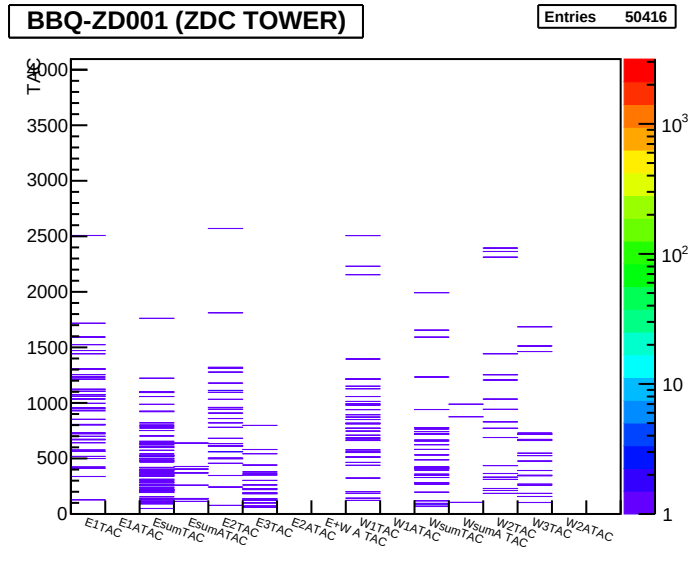

BBQ-BB001 (BBC east small tiles ADC)
Entries 50416
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

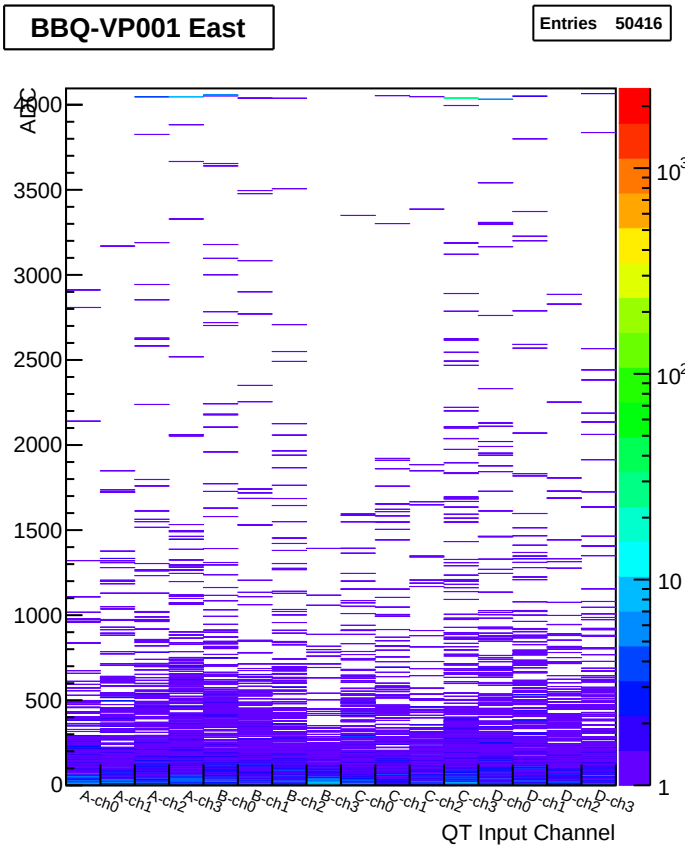

BBQ-BB001 (BBC east small tiles TAC)
Entries 50416
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

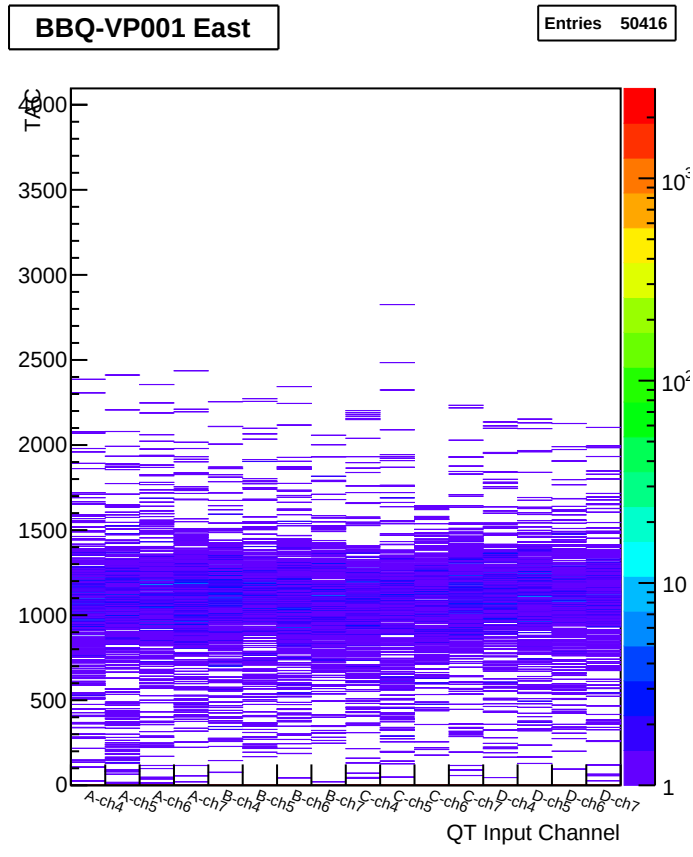

BBQ-BB002 (BBC west small tiles ADC)
Entries 50416
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

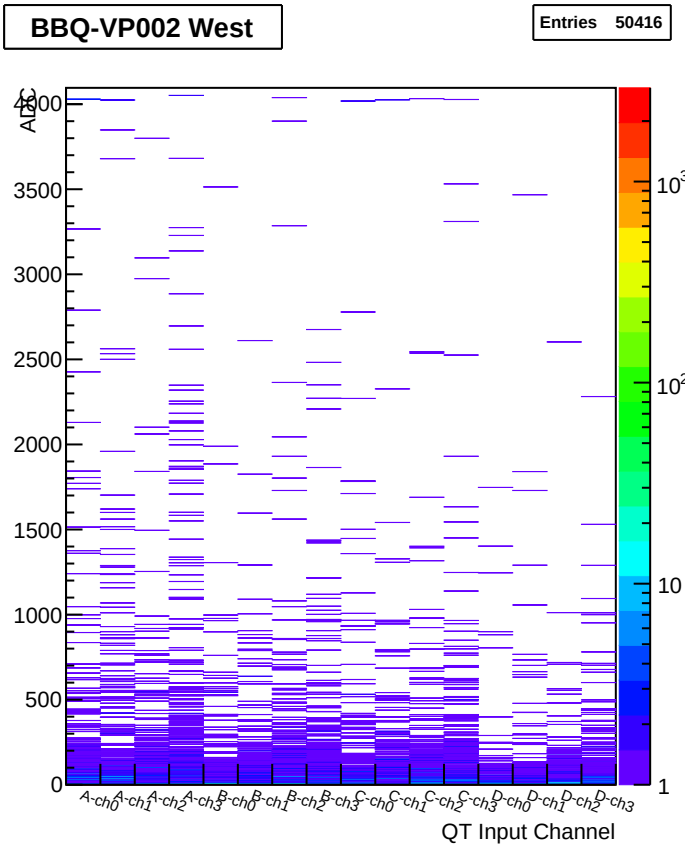

BBQ-BB002 (BBC west small tiles TAC)
Entries 50416
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

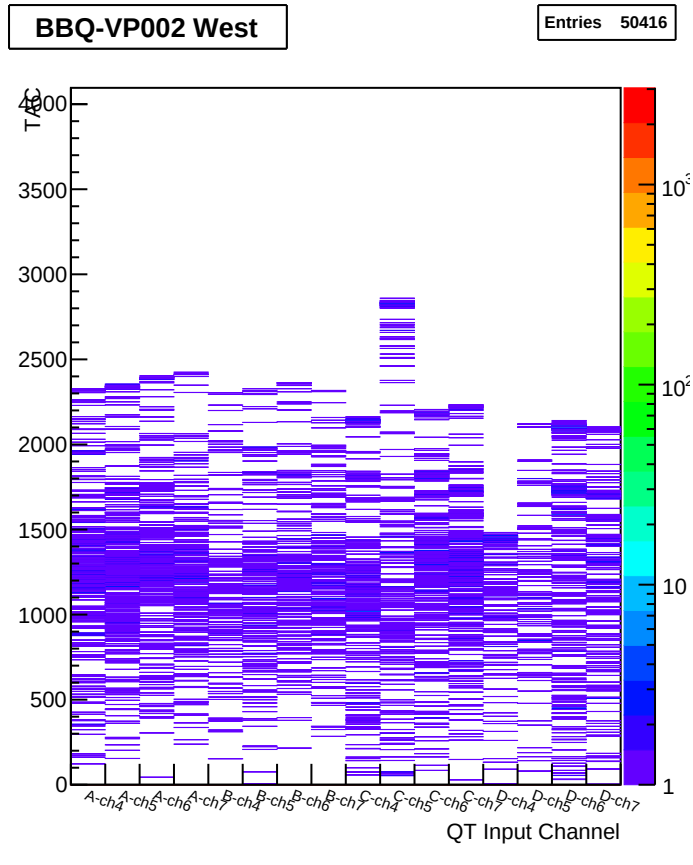

BBQ-ZD001 (ZDC TOWER)
Entries 50416
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

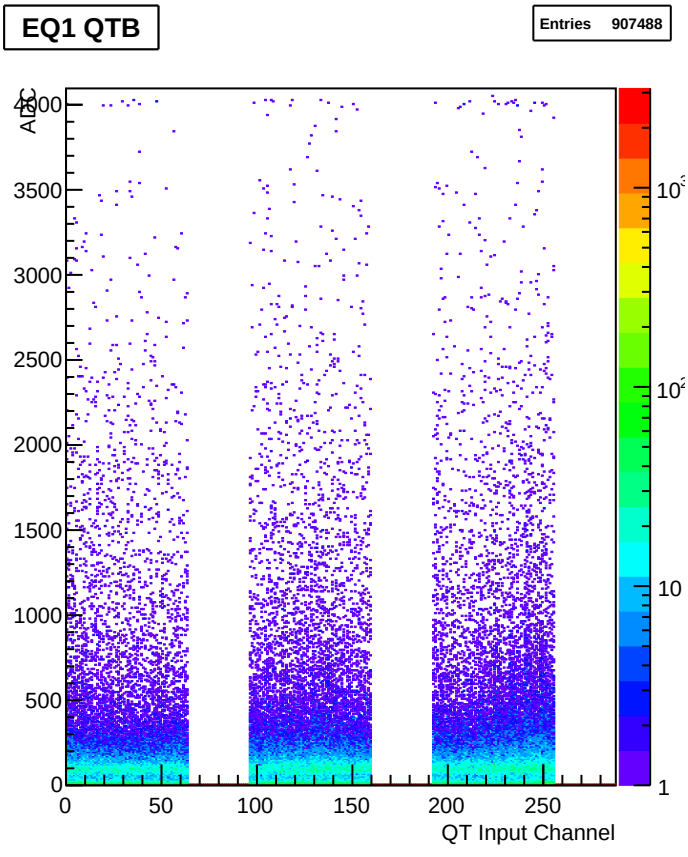

BBQ-ZD001 (ZDC TOWER)
Entries 50416
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

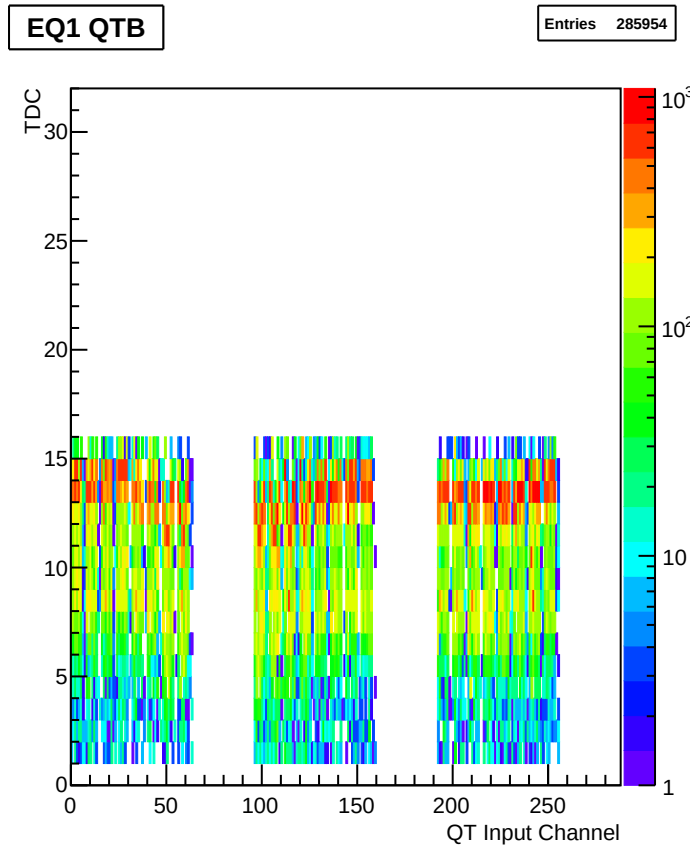

BBQ-VP001 East
Entries 50416
ADC
QT Input Channel

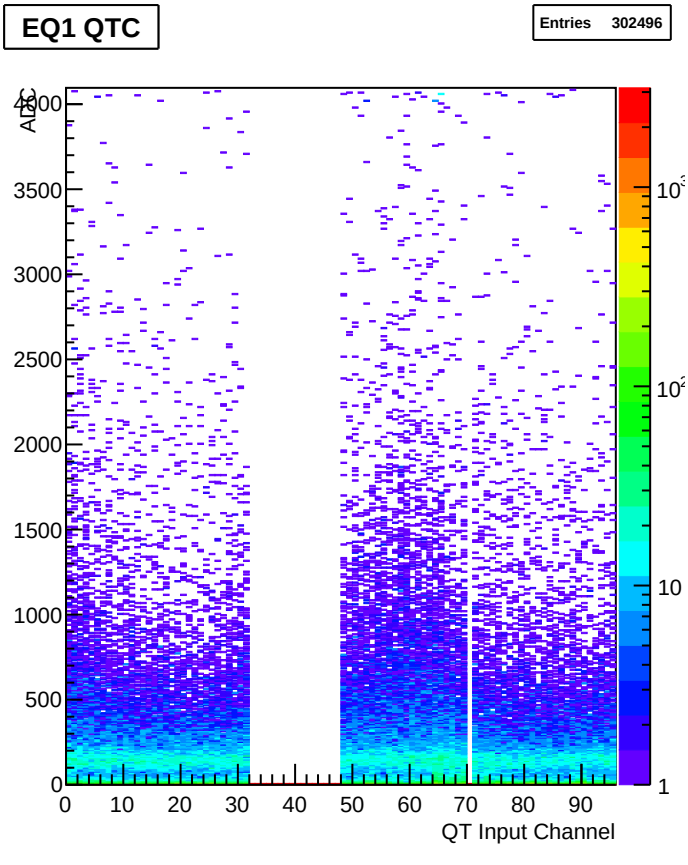

BBQ-VP001 East
Entries 50416
TAC
QT Input Channel

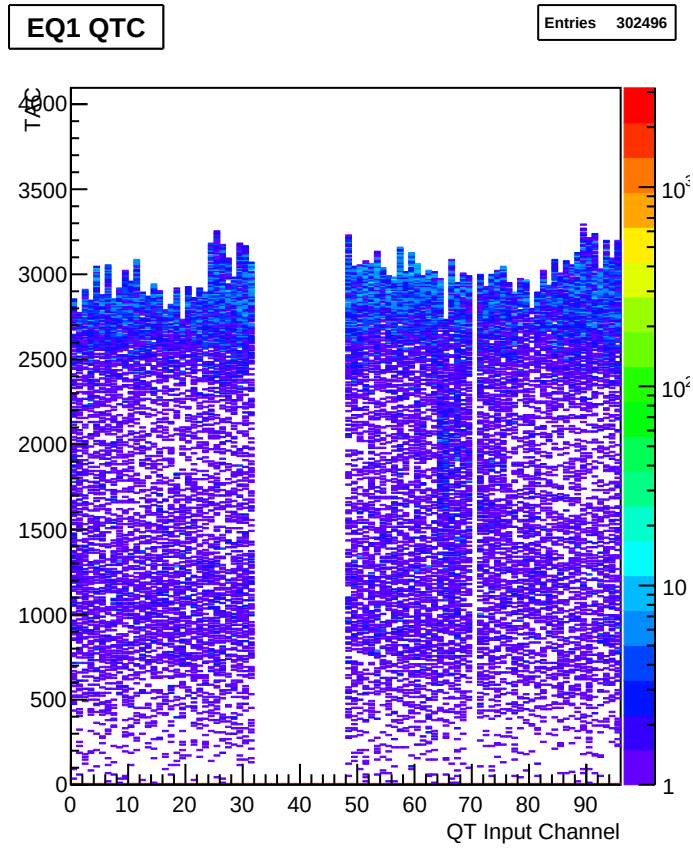

BBQ-VP002 West
Entries 50416
ADC
QT Input Channel

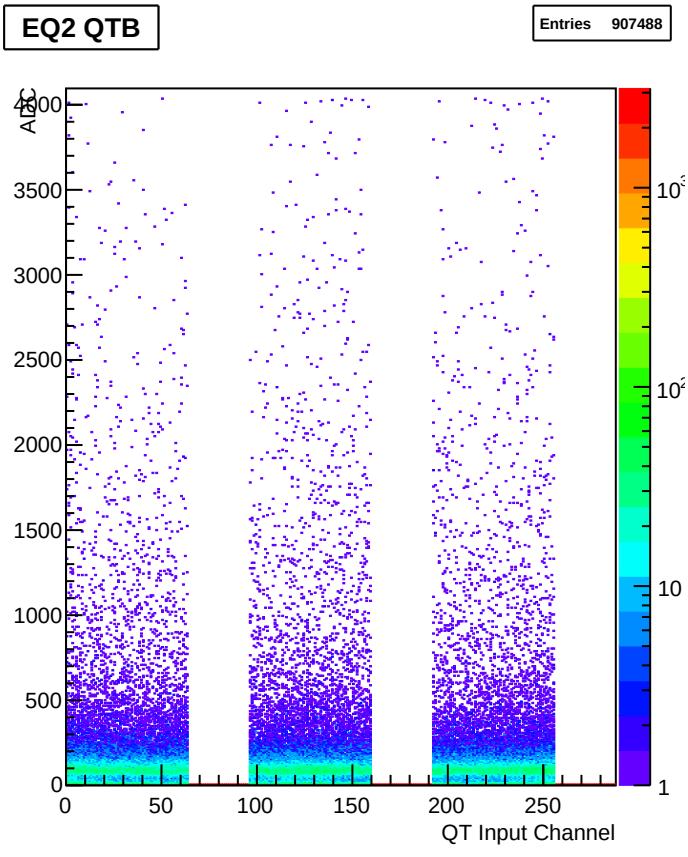

BBQ-VP002 West
Entries 50416
TAC
QT Input Channel

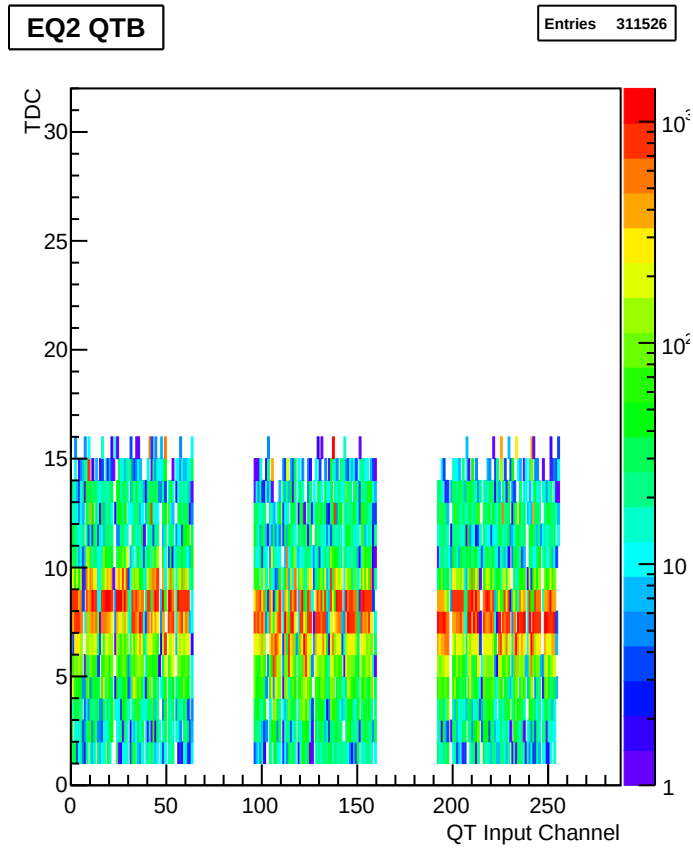

EQ1 QTB
Entries 907488
ADC
QT Input Channel

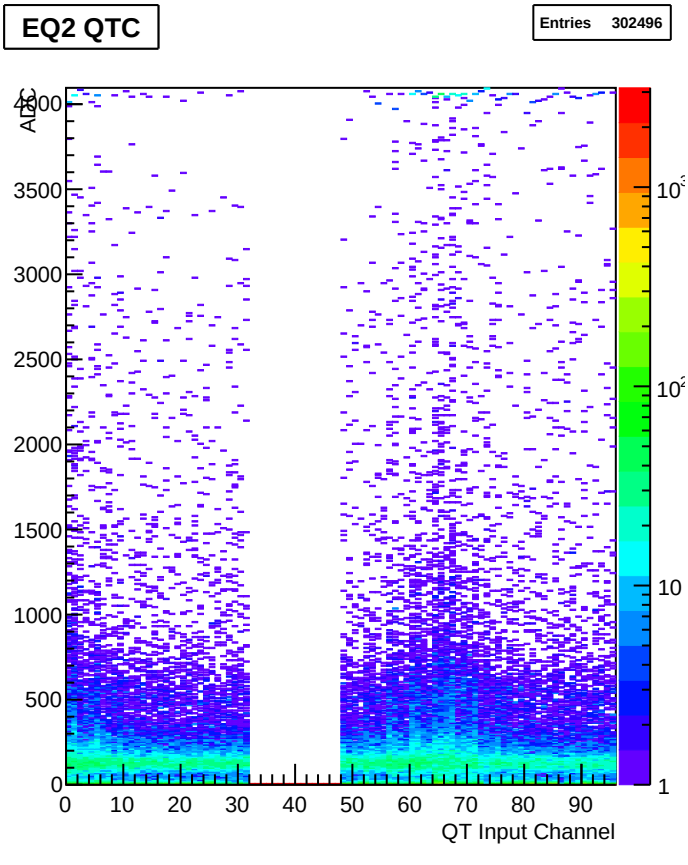

EQ1 QTB
Entries 285954
TDC
QT Input Channel

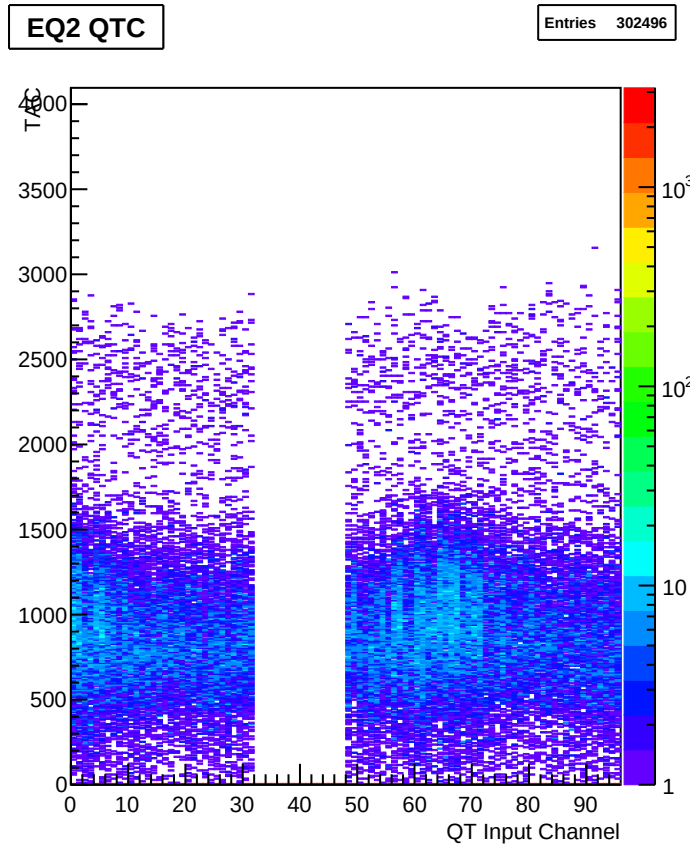

EQ1 QTC
Entries 302496
ADC
QT Input Channel

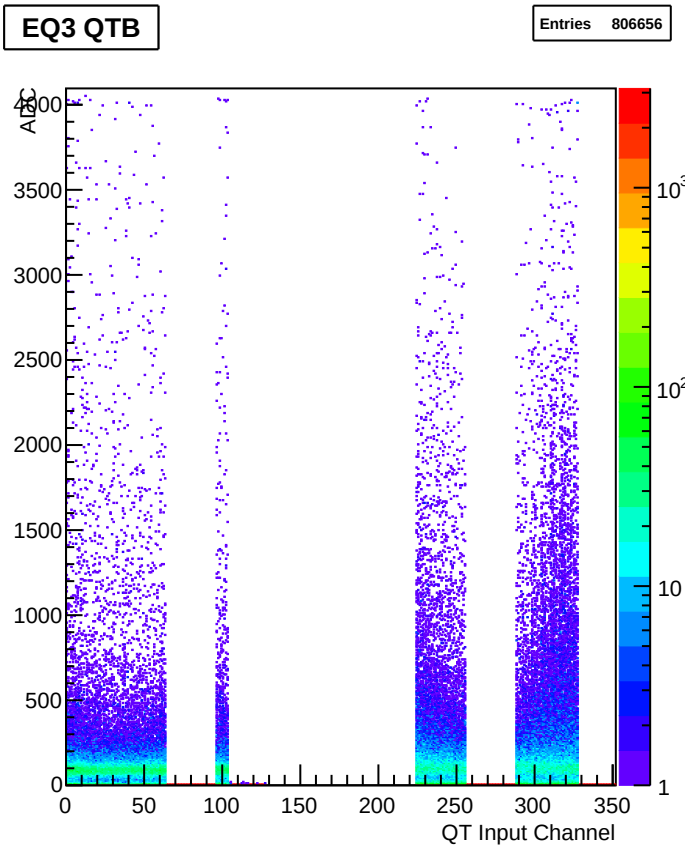

EQ1 QTC
Entries 302496
TADC
QT Input Channel

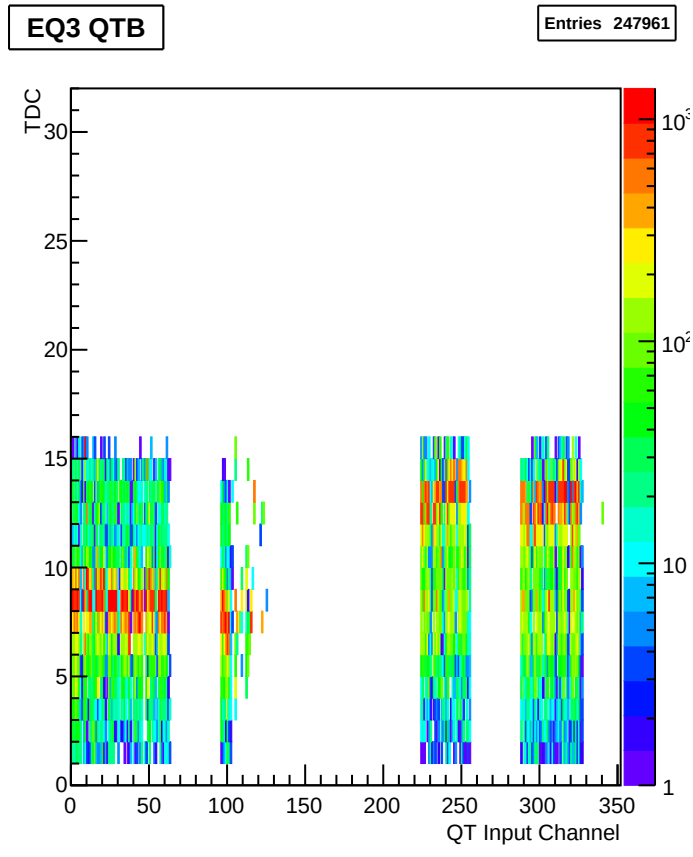

EQ2 QTB
Entries 907488
ADC
QT Input Channel

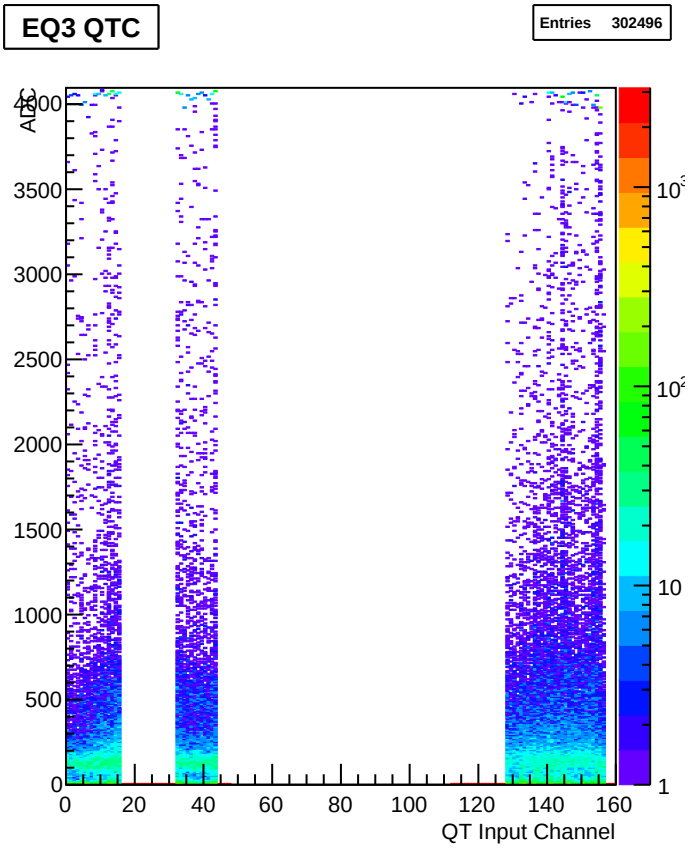

EQ2 QTB
Entries 311526
TDC
QT Input Channel

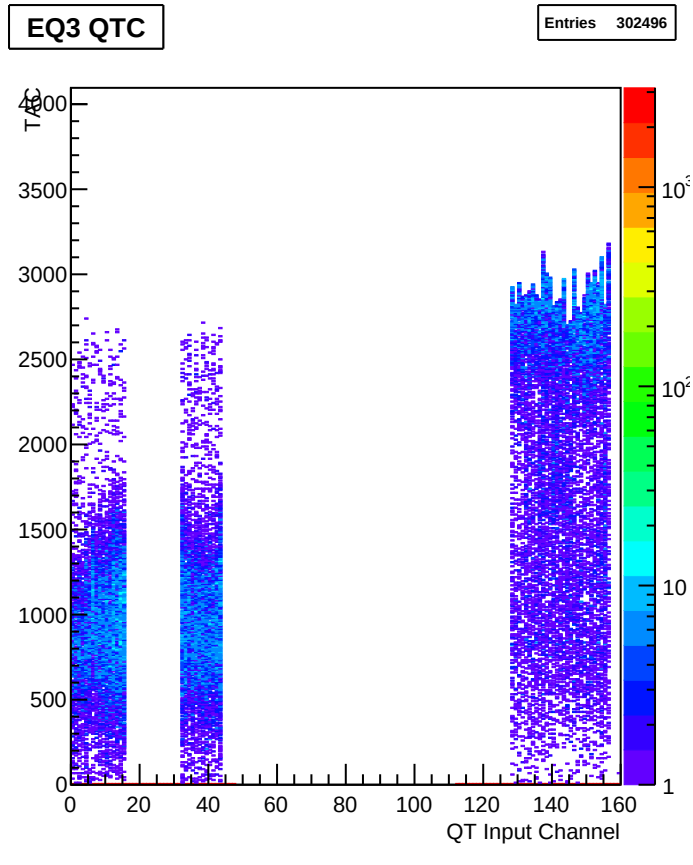

EQ2 QTC
Entries 302496
ADC
QT Input Channel

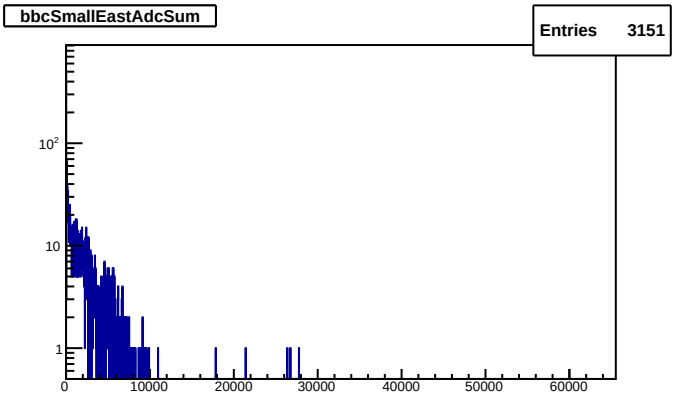

EQ2 QTC
Entries 302496
TADC
QT Input Channel

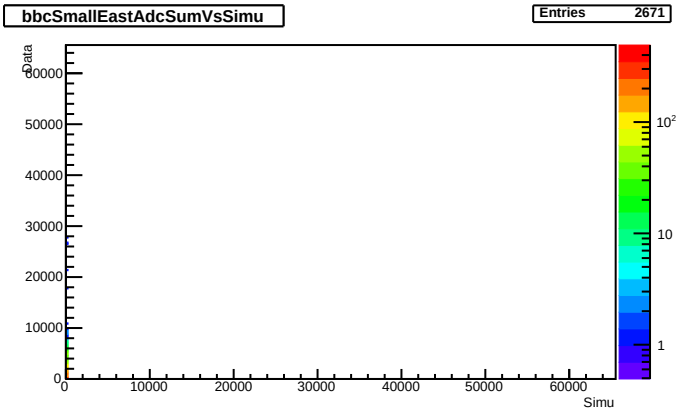

EQ3 QTB
Entries 806656
ADC
QT Input Channel

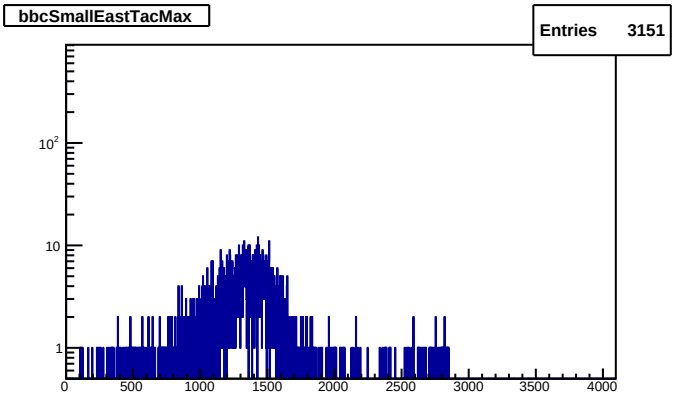

EQ3 QTB
Entries 247961
TDC
QT Input Channel

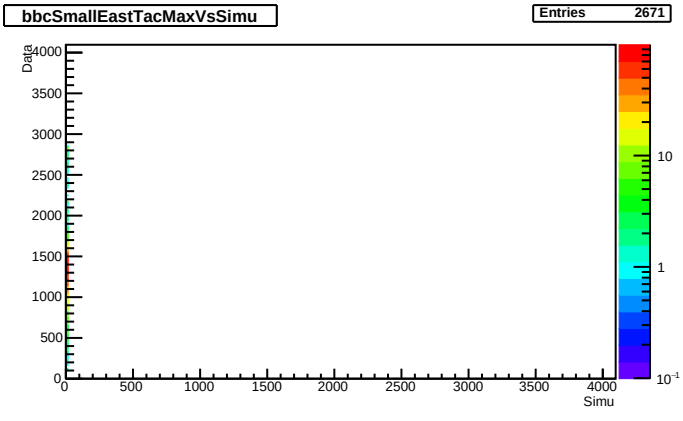

EQ3 QTC
Entries 302496
ADC
QT Input Channel

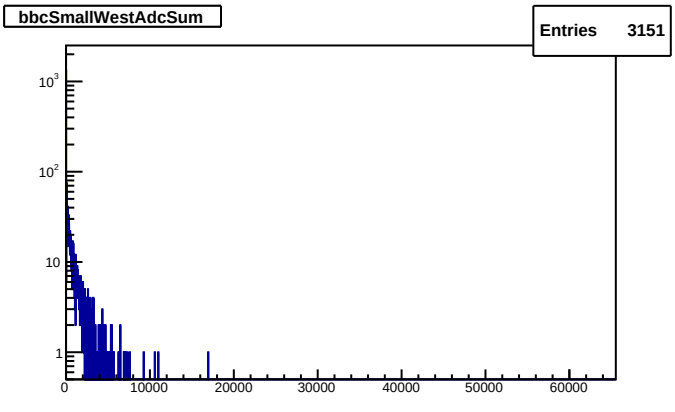

EQ3 QTC
Entries 302496
TADC
QT Input Channel

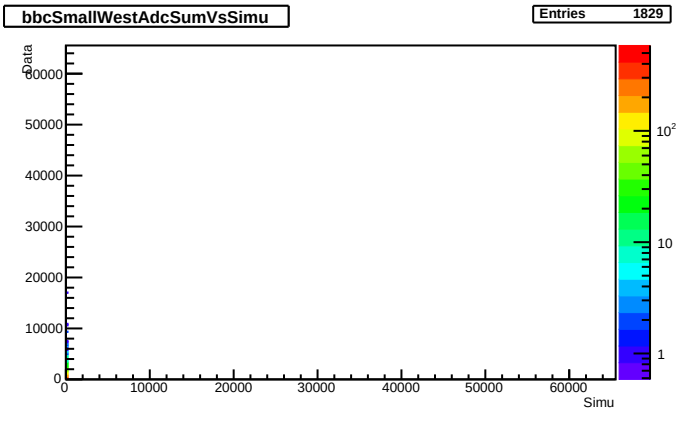

bbcSmallEastAdcSum
Entries 3151

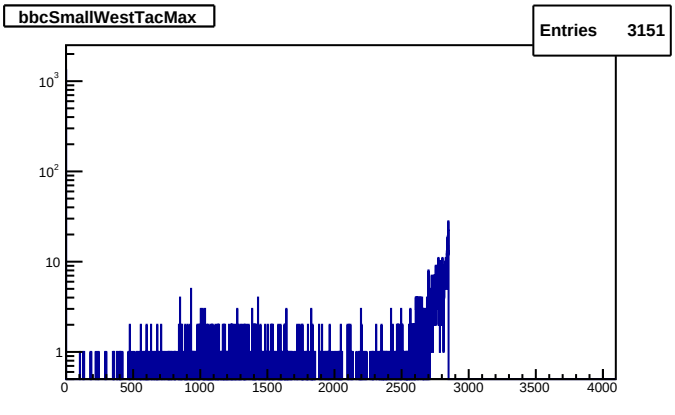

bbcSmallEastAdcSumVsSimu
Entries 2671
Data
Simu

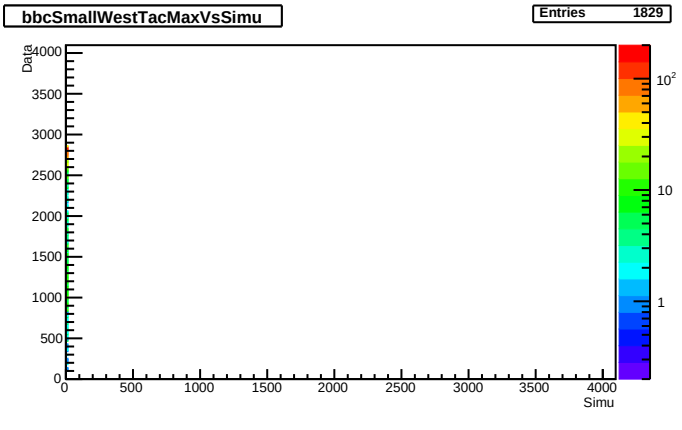

bbcSmallEastTacMax
Entries 3151

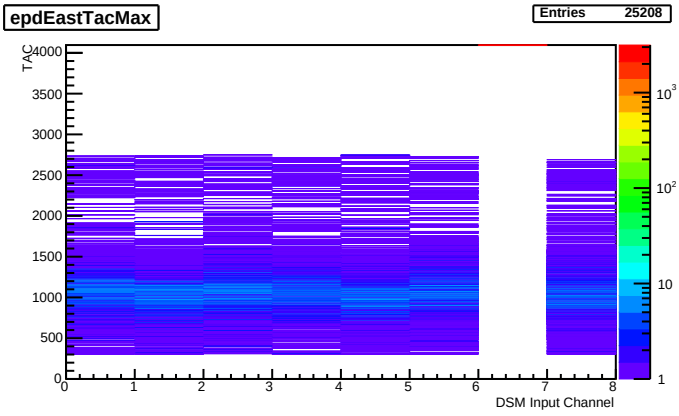

bbcSmallEastTacMaxVsSimu
Entries 2671
Data
Simu

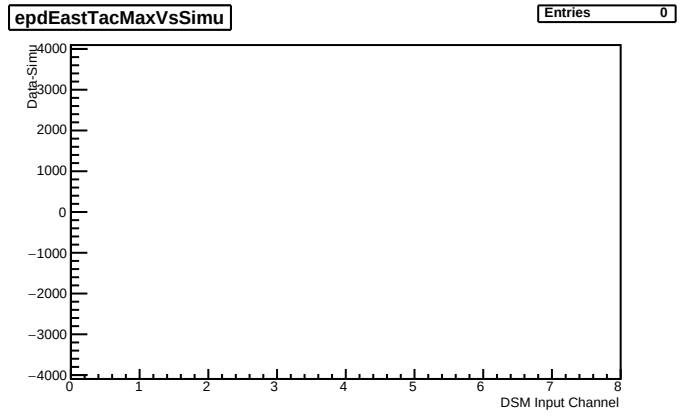

bbcSmallWestAdcSum
Entries 3151

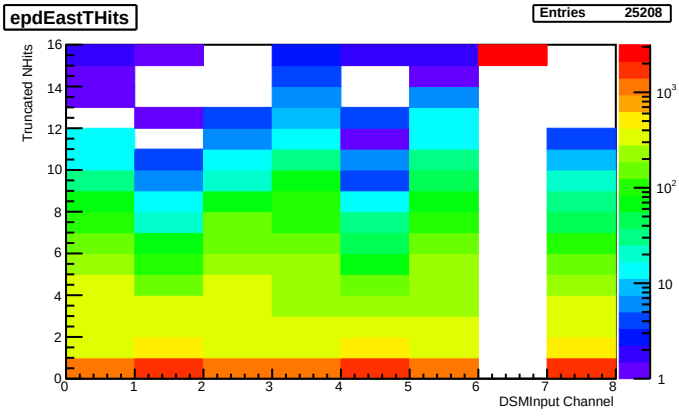

bbcSmallWestAdcSumVsSimu
Entries 1829
Data
Simu

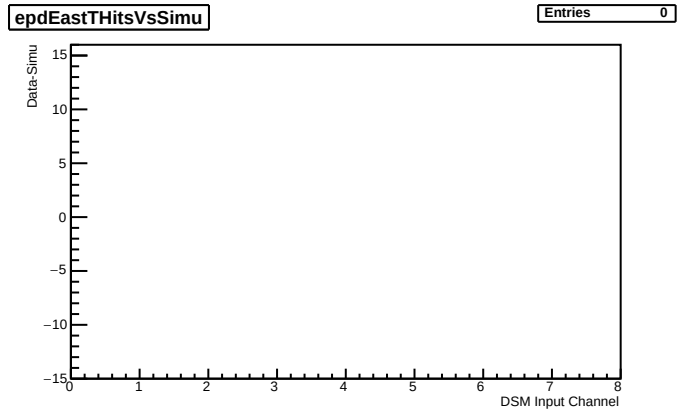

bbcSmallWestTacMax
Entries 3151

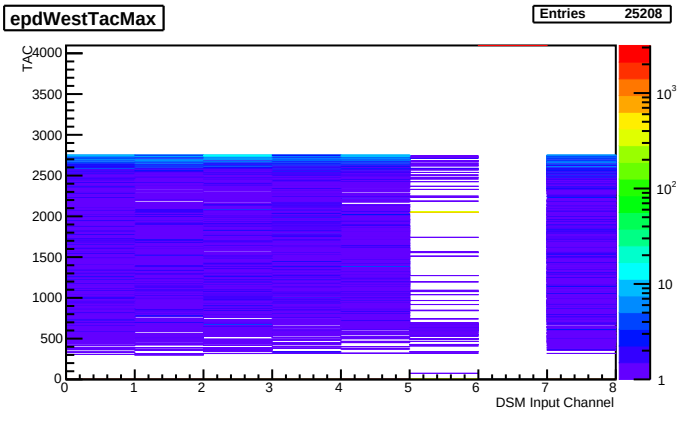

bbcSmallWestTacMaxVsSimu
Entries 1829
Data
Simu

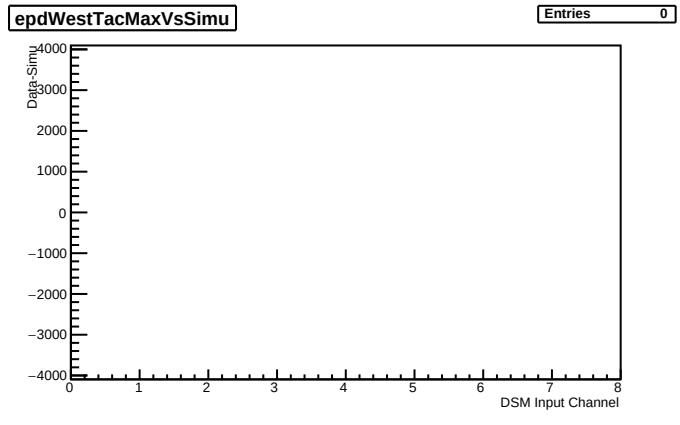

epdEastTacMax
Entries 25208
TAC
DSM Input Channel

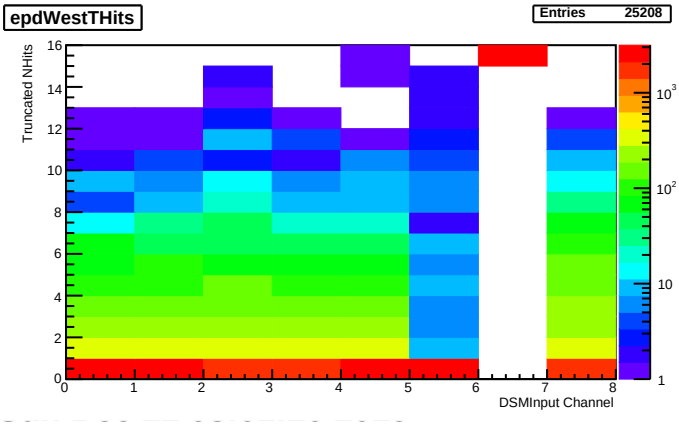

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

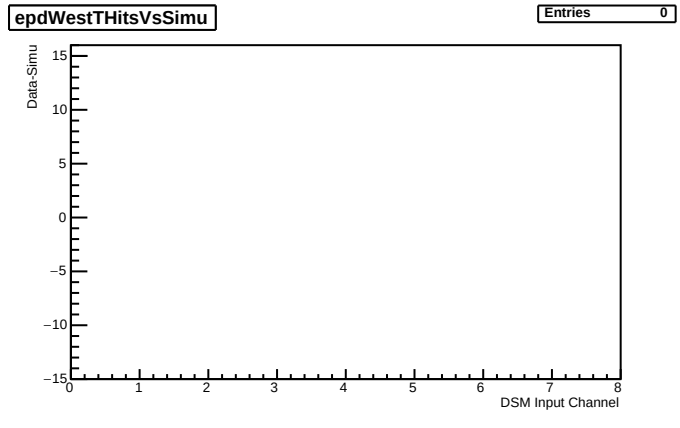

epdEastTHits
Entries 25208
Truncated NHits
DSMInput Channel

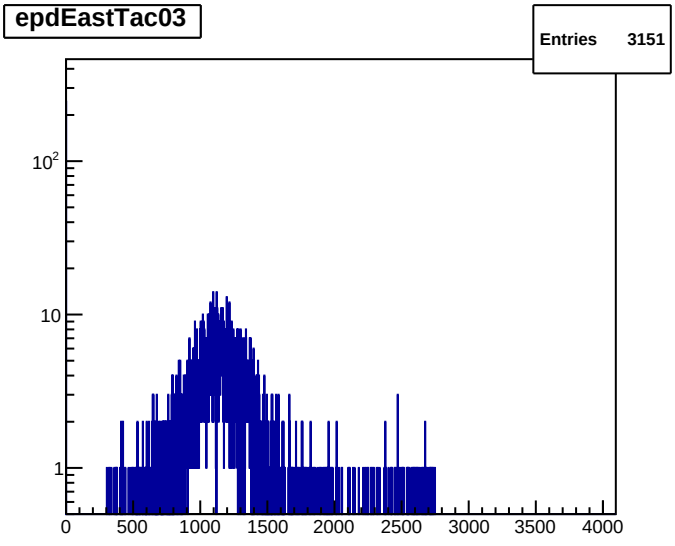

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

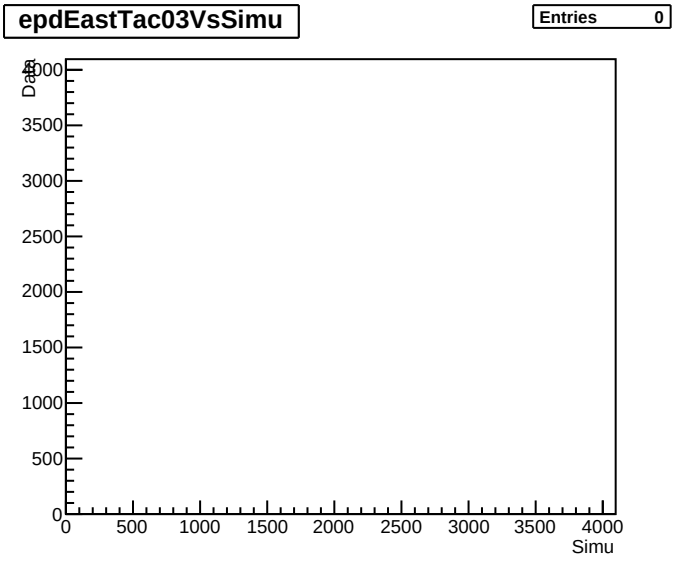

epdWestTacMax
Entries 25208
TAC
DSM Input Channel

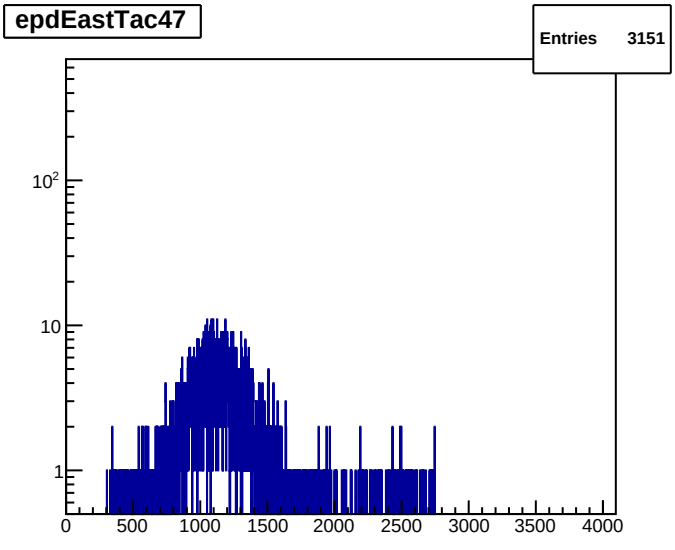

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

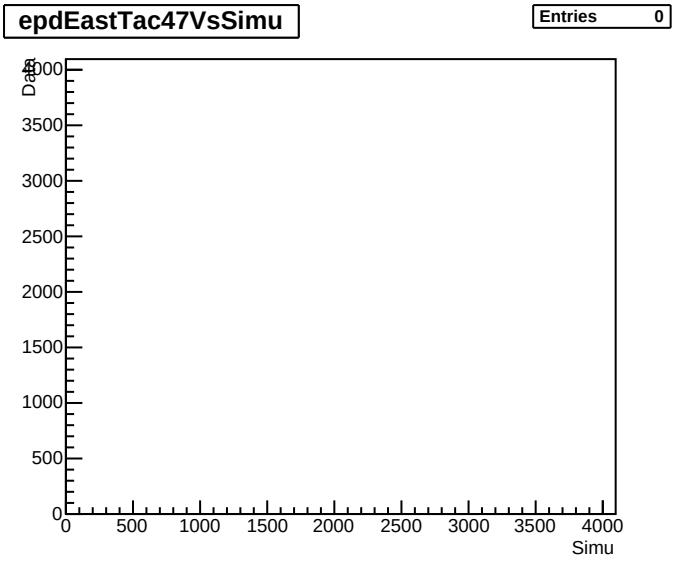

epdWestTHits
Entries 25208
Truncated NHits
DSMInput Channel

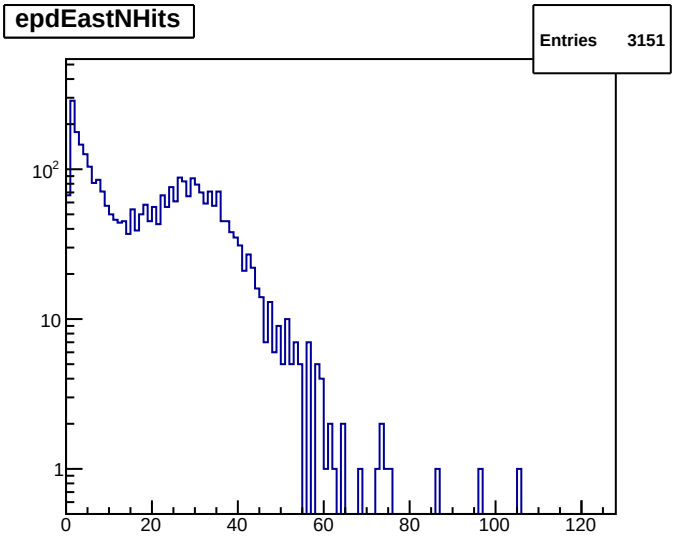

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

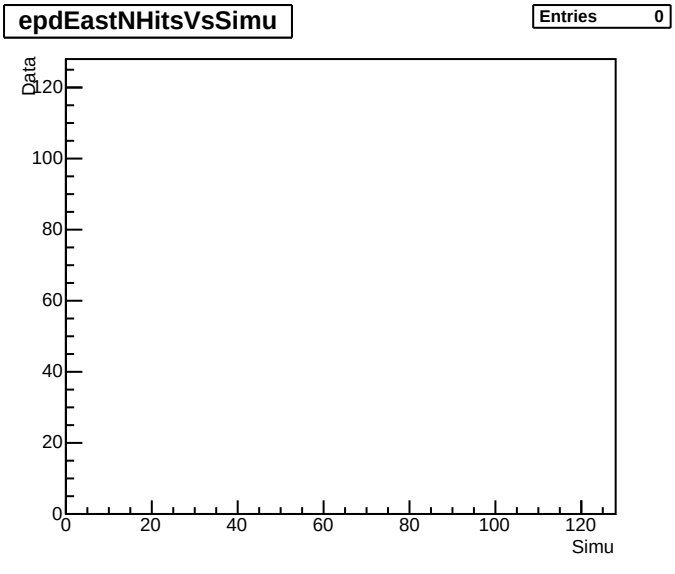

epdEastTac03
Entries 3151
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

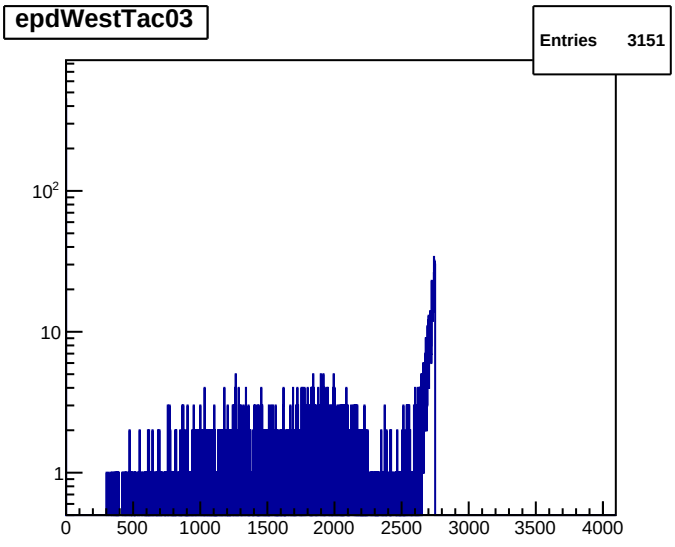

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

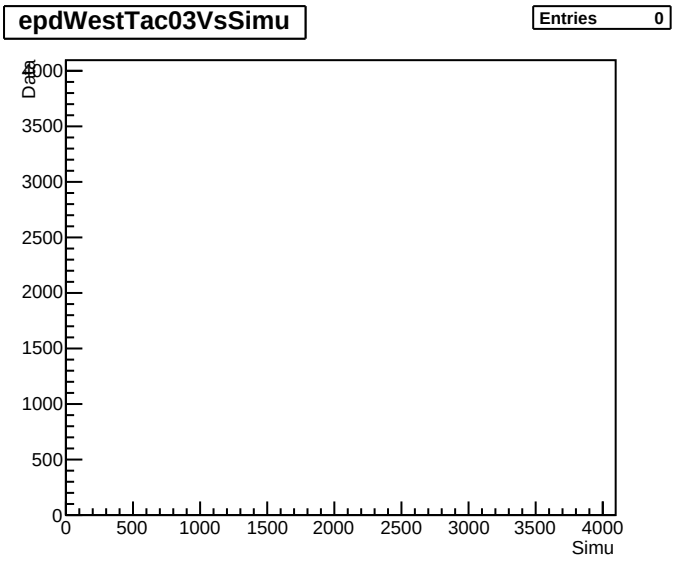

epdEastTac47
Entries 3151
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

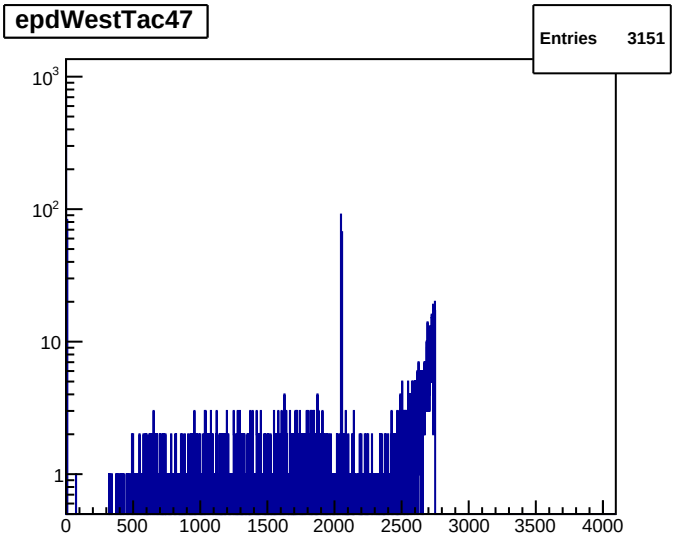

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

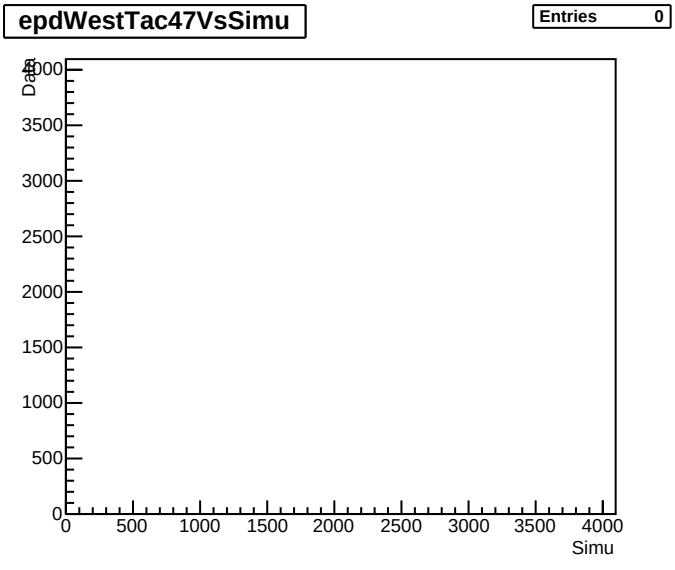

epdEastNHits
Entries 3151
10^2
10
1
0 20 40 60 80 100 120

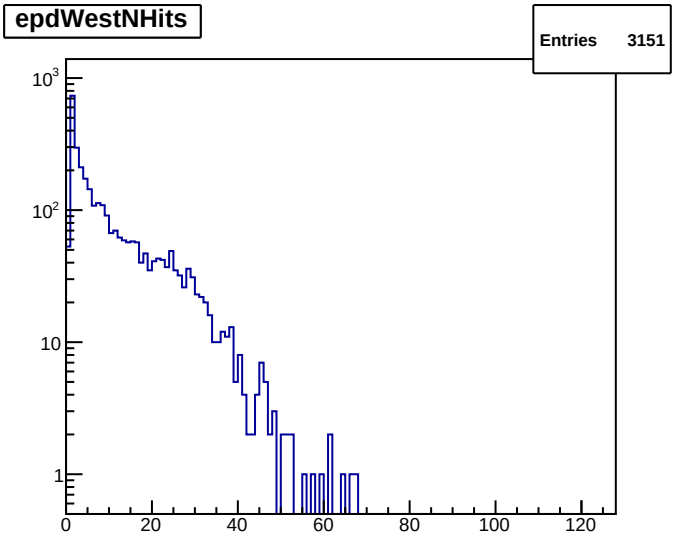

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

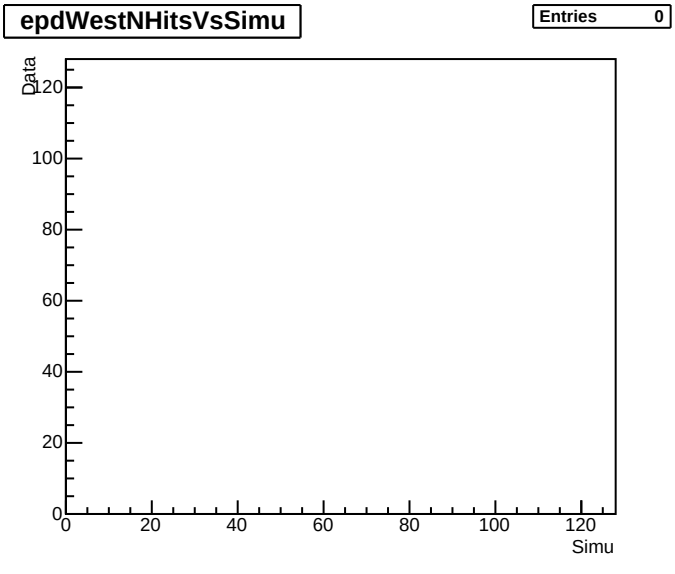

epdWestTac03
Entries 3151

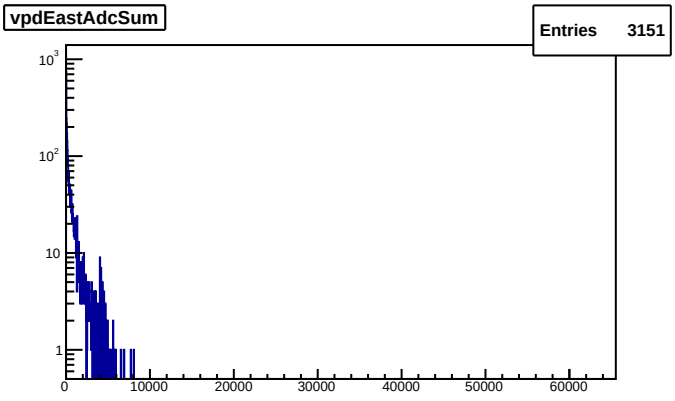

epdWestTac03VsSimu
Entries 0
Data
Simu

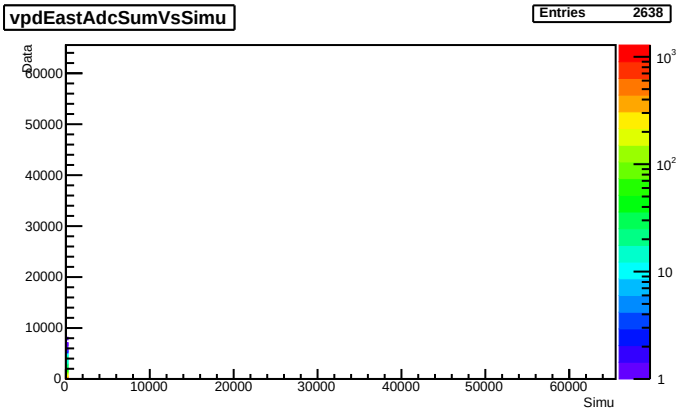

epdWestTac47
Entries 3151

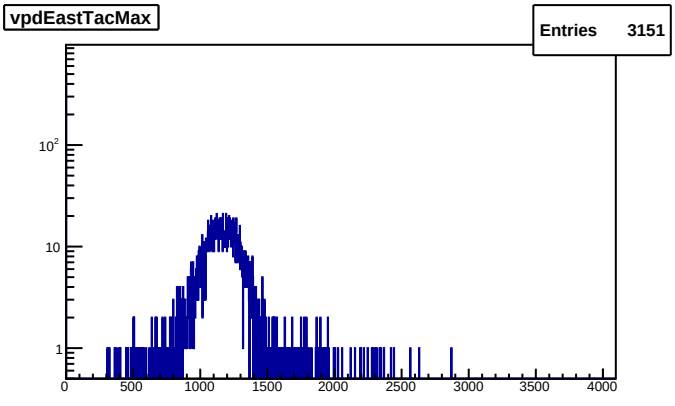

epdWestTac47VsSimu
Entries 0
Data
Simu

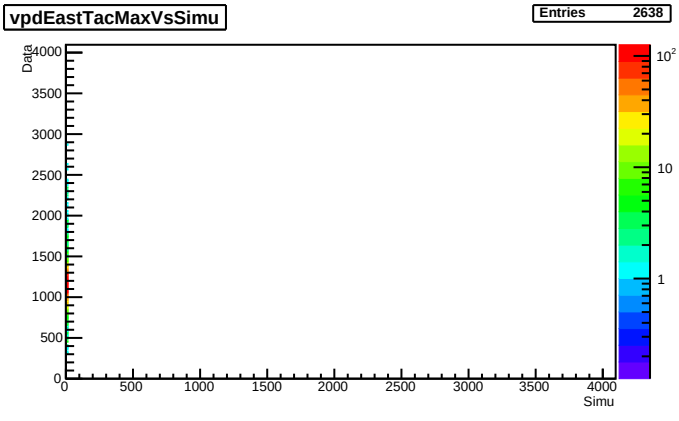

epdWestNHits
Entries 3151

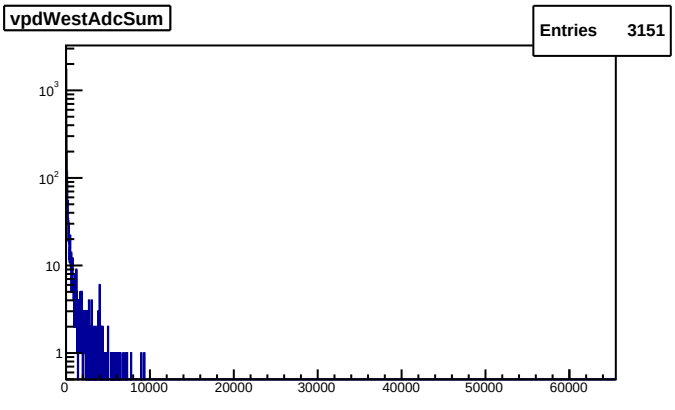

epdWestNHitsVsSimu
Entries 0
Data
Simu

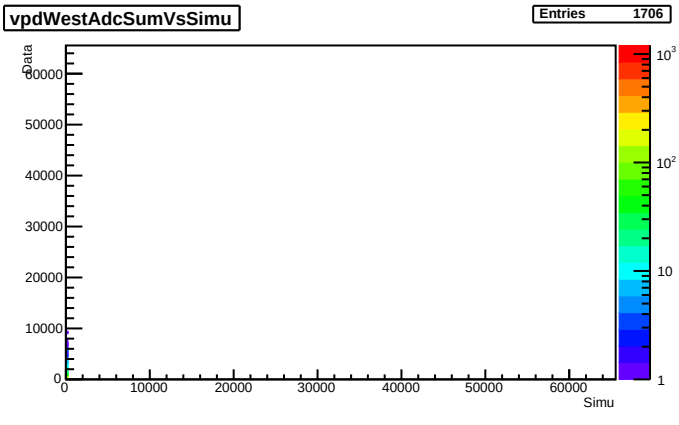

vpdEastAdcSum
Entries 3151

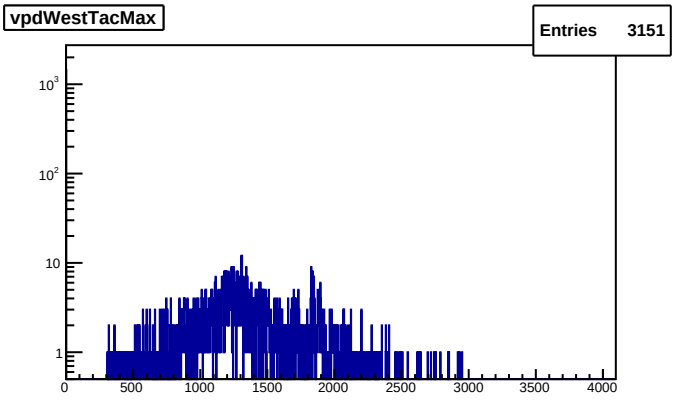

vpdEastAdcSumVsSimu
Entries 2638
Data
Simu

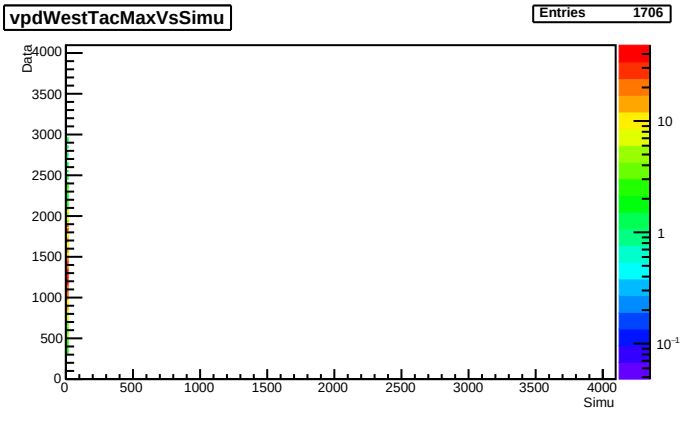

vpdEastTacMax
Entries 3151

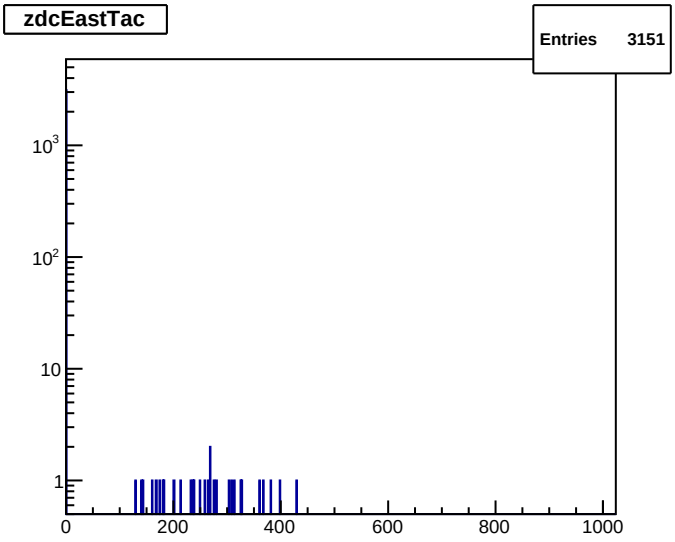

vpdEastTacMaxVsSimu
Entries 2638
Data
Simu

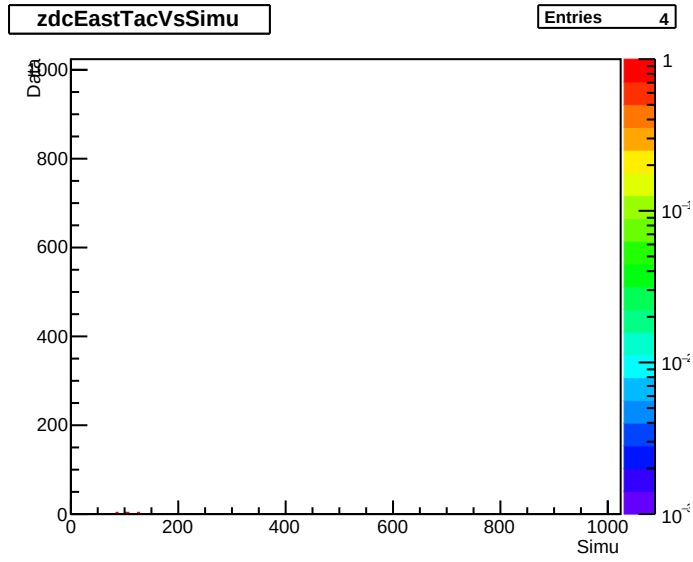

vpdWestAdcSum
Entries 3151

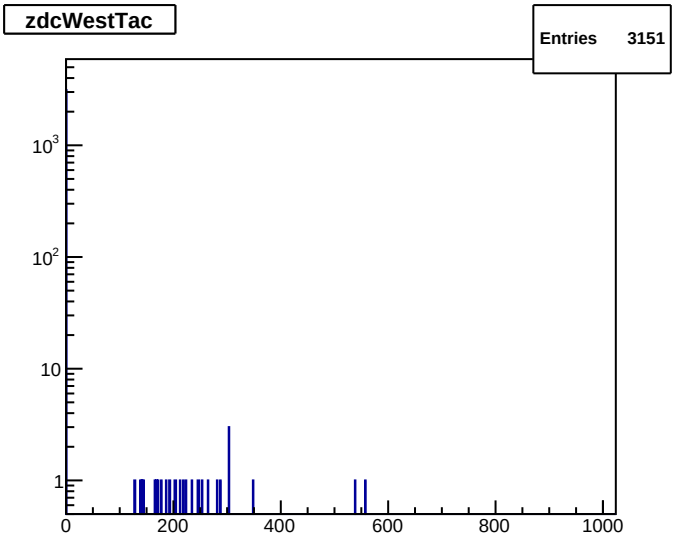

vpdWestAdcSumVsSimu
Entries 1706
Data
Simu

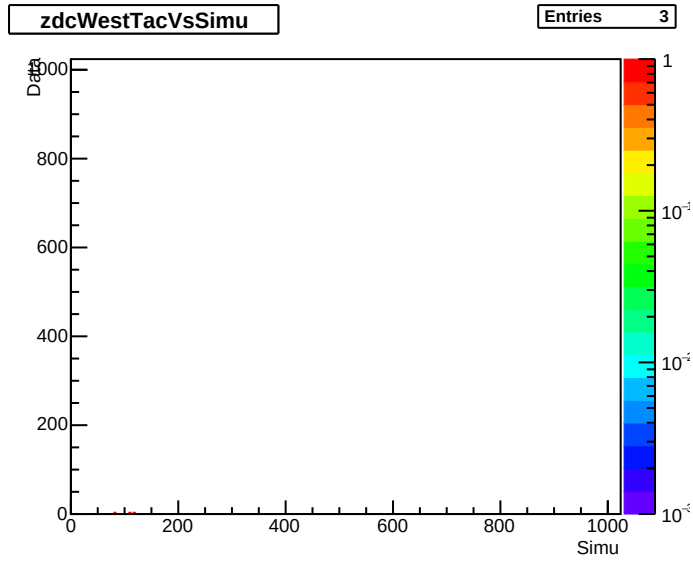

vpdWestTacMax
Entries 3151

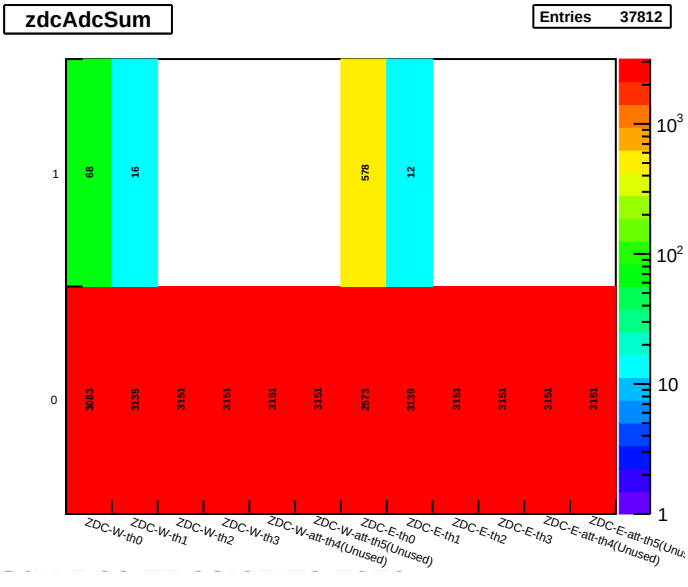

vpdWestTacMaxVsSimu
Entries 1706
Data
Simu

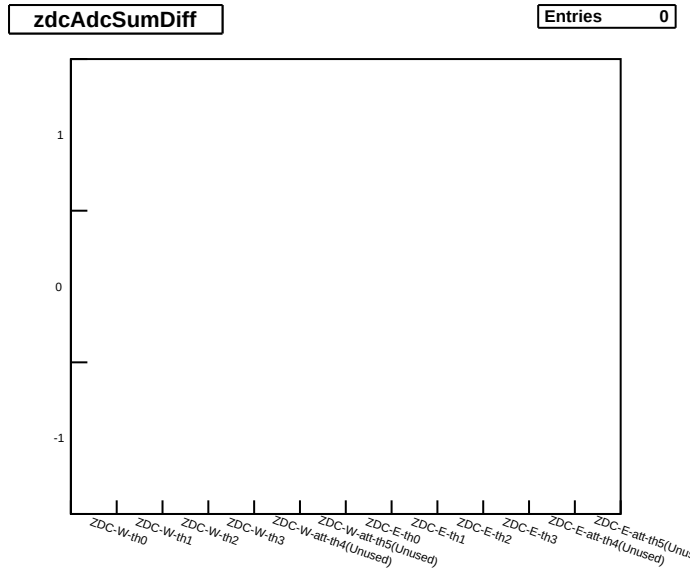

zdcEastTac
Entries 3151

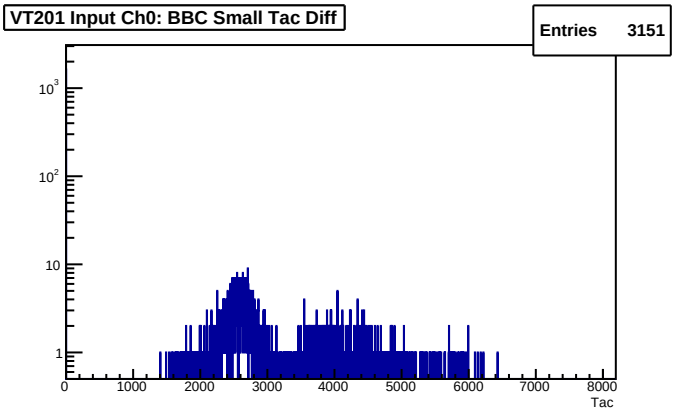

zdcEastTacVsSimu
Entries 4
Data
Simu

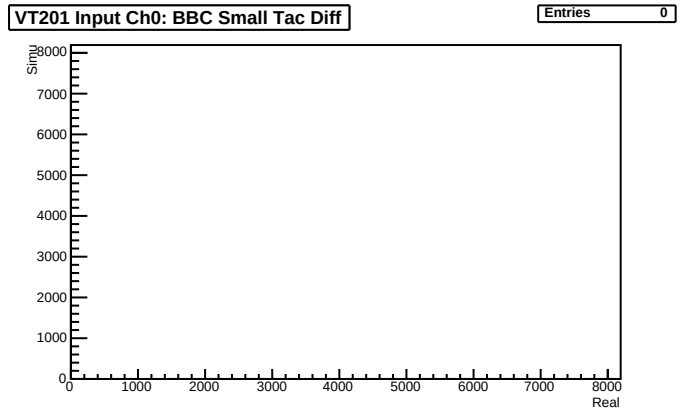

zdcWestTac
Entries 3151

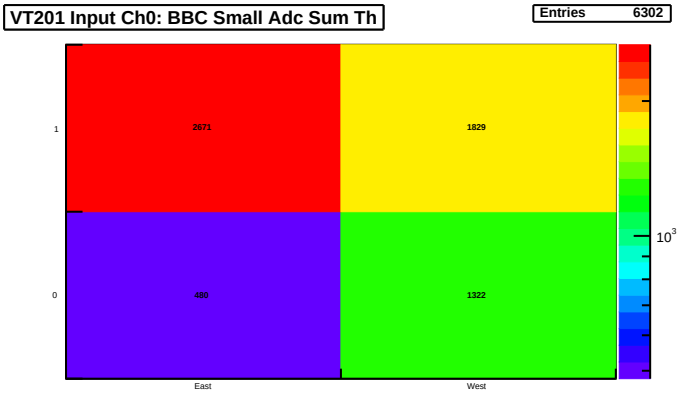

zdcWestTacVsSimu
Entries 3
Data
Simu

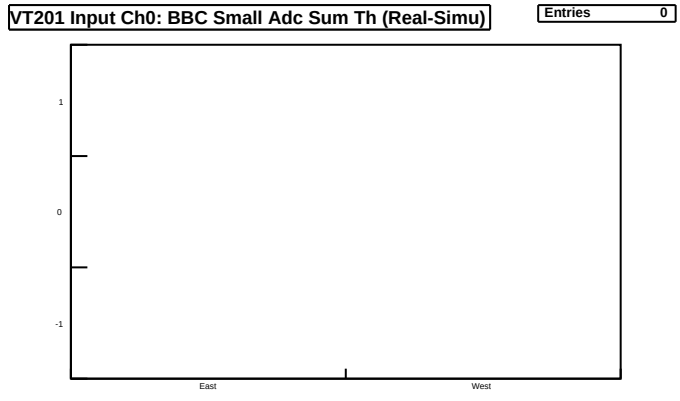

zdcAdcSum
Entries 37812
68
16
578
12
3083
3135
3151
2573
3139
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

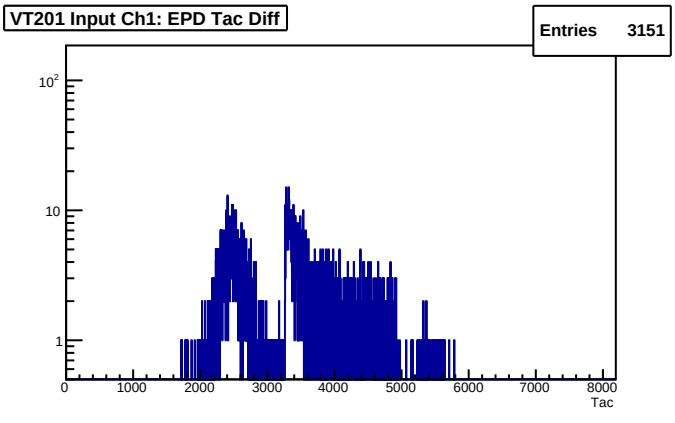

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

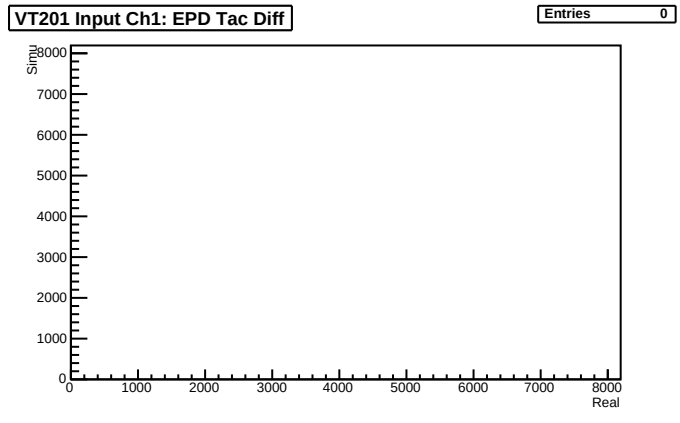

VT201 Input Ch0: BBC Small Tac Diff
Entries 3151
Tac

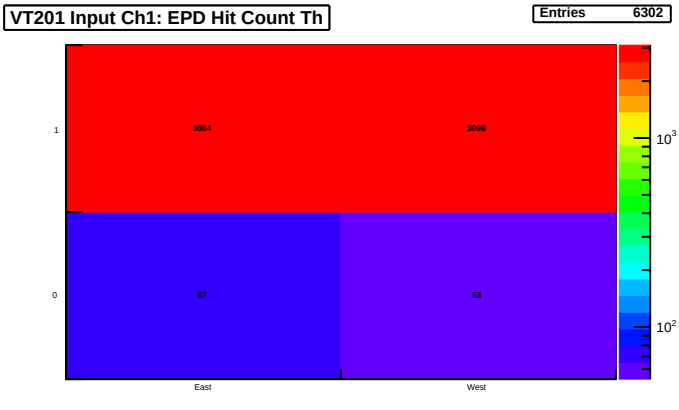

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

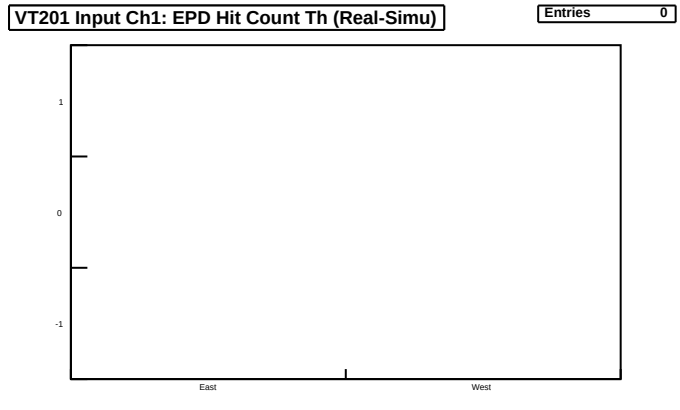

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 6302
2671
1829
480
1322
East
West

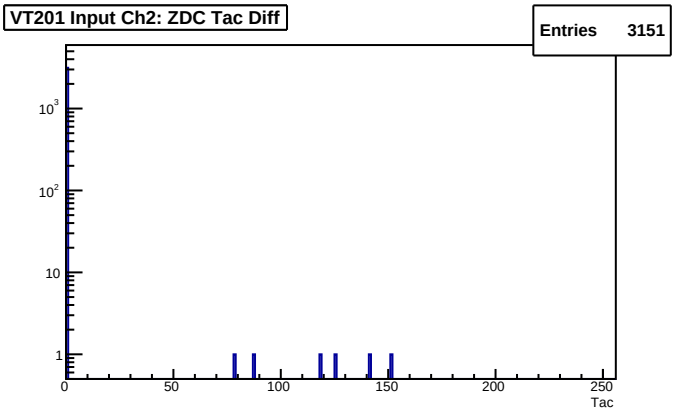

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

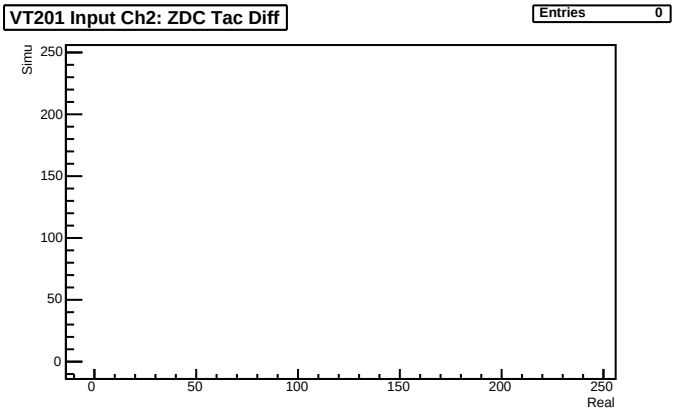

VT201 Input Ch1: EPD Tac Diff
Entries 3151
Tac

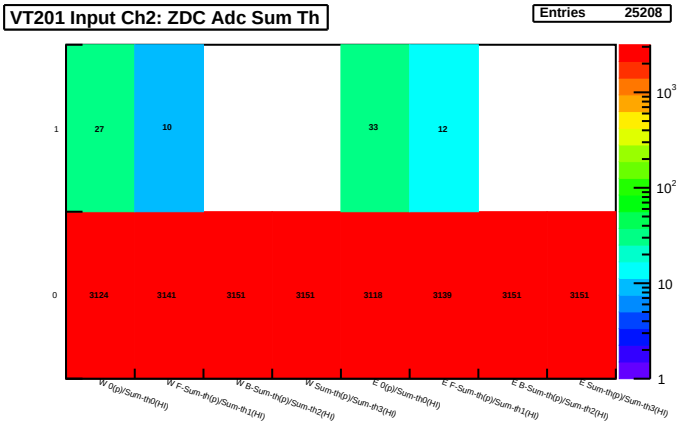

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

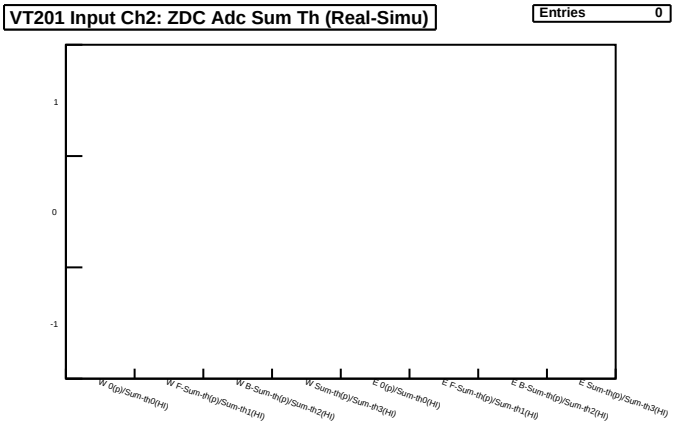

VT201 Input Ch1: EPD Hit Count Th
Entries 6302
3084
3098
67
53
East
West

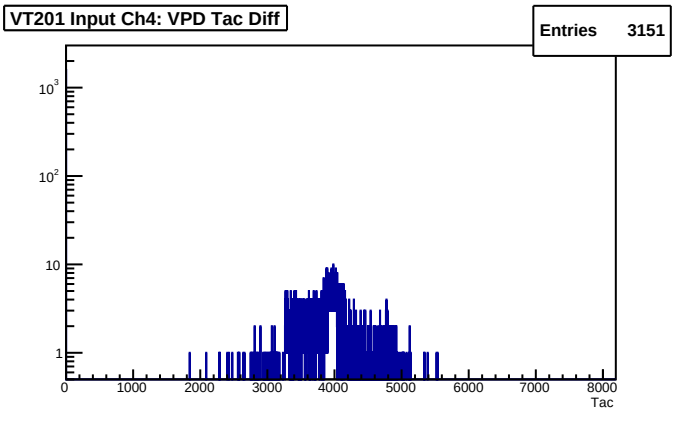

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

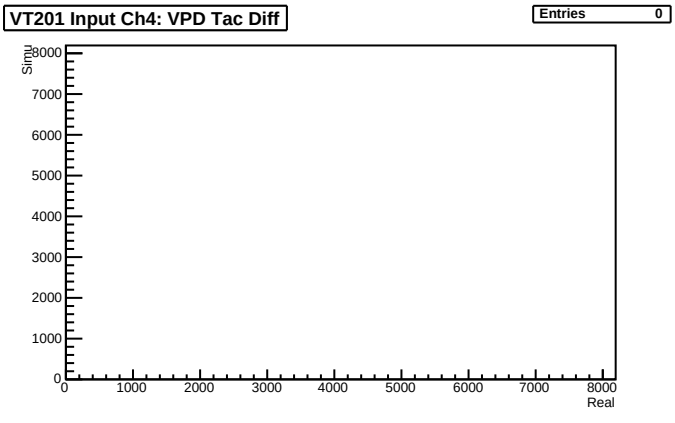

VT201 Input Ch2: ZDC Tac Diff
Entries 3151
Tac

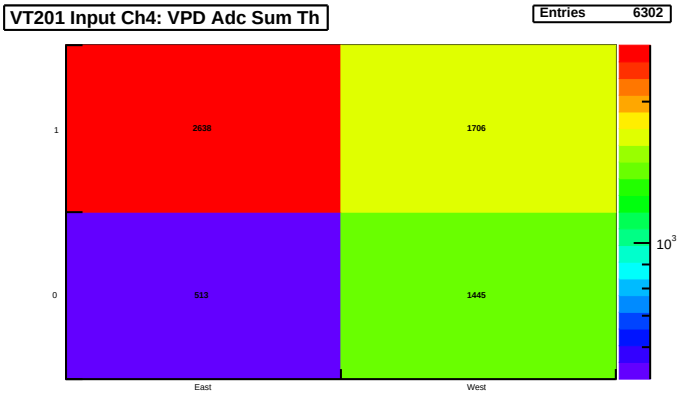

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

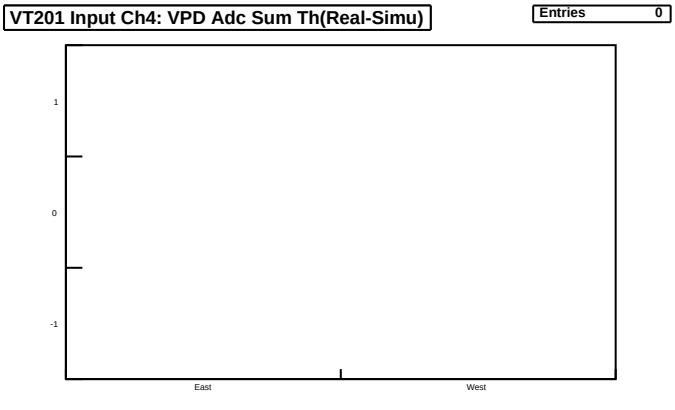

VT201 Input Ch2: ZDC Adc Sum Th
Entries 25208
27
10
33
12
3124
3141
3151
3151
3118
3139
3151
3151
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

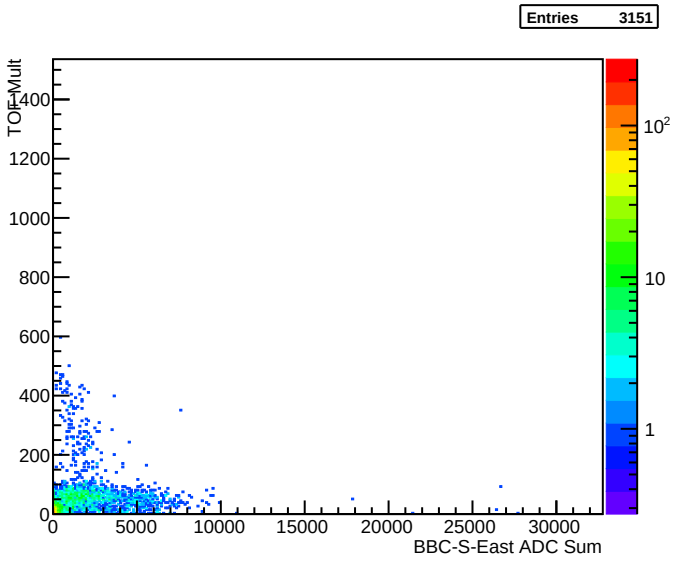

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

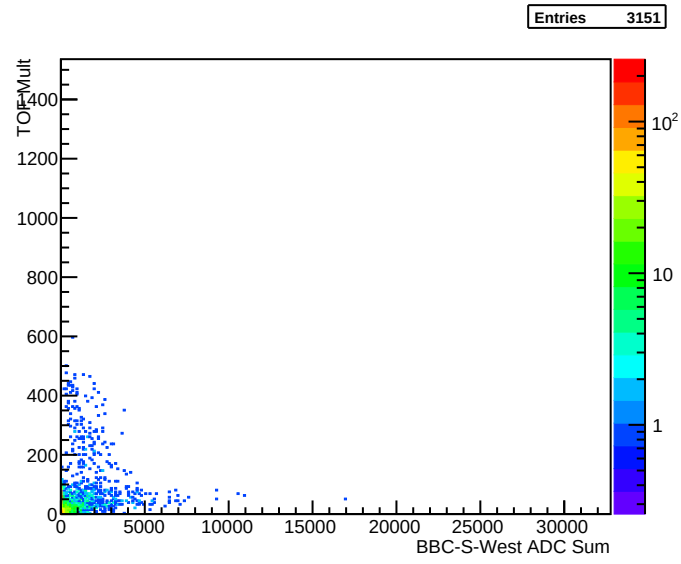

VT201 Input Ch4: VPD Tac Diff
Entries 3151
Tac

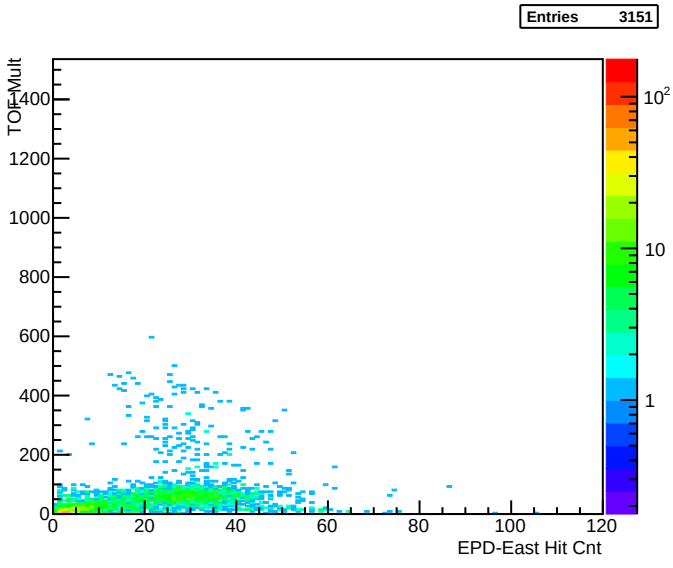

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

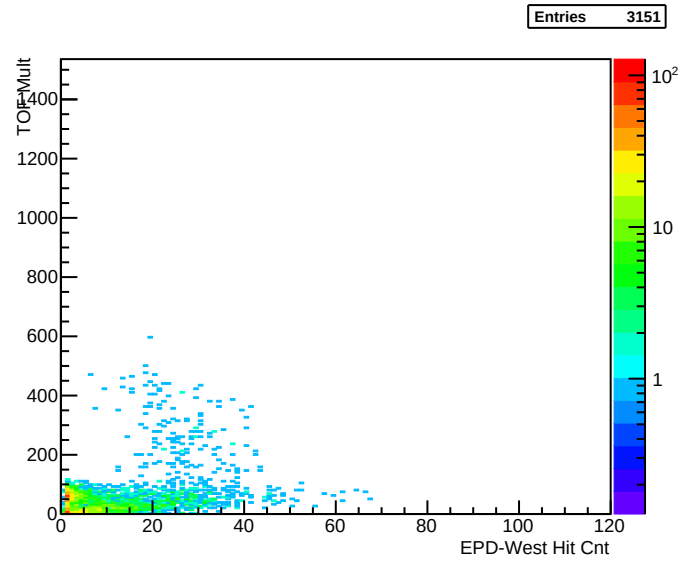

VT201 Input Ch4: VPD Adc Sum Th
Entries 6302
2638
1706
513
1445
East
West

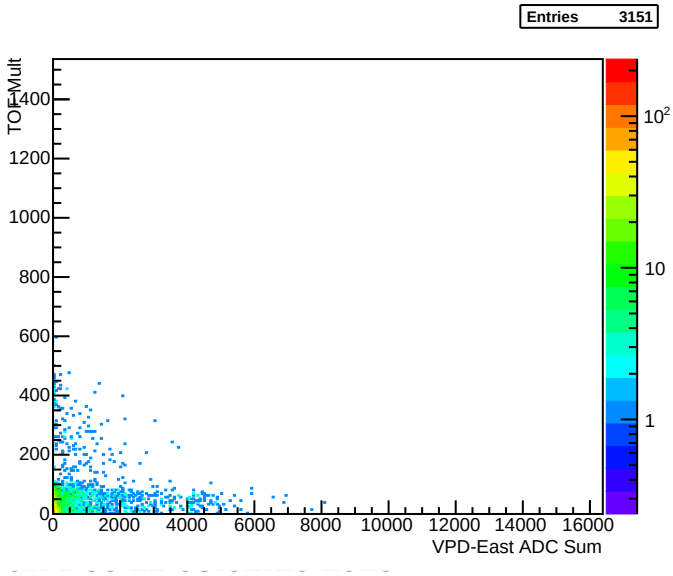

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

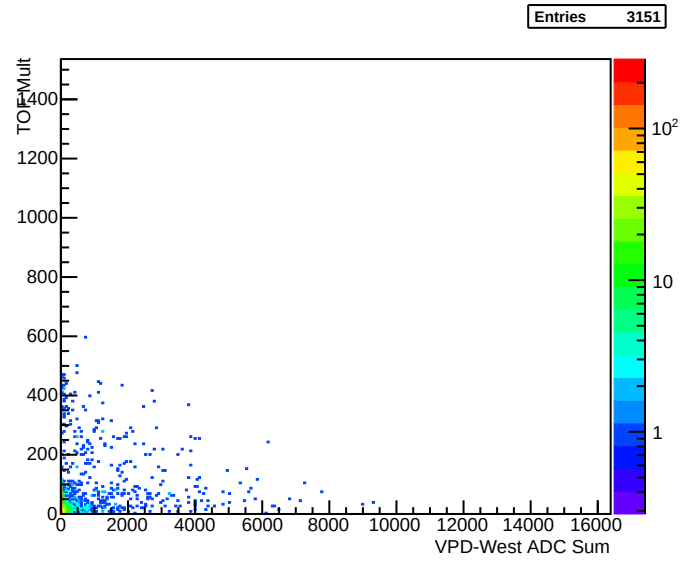

Entries 3151
TOF-Mult
BBC-S-East ADC Sum

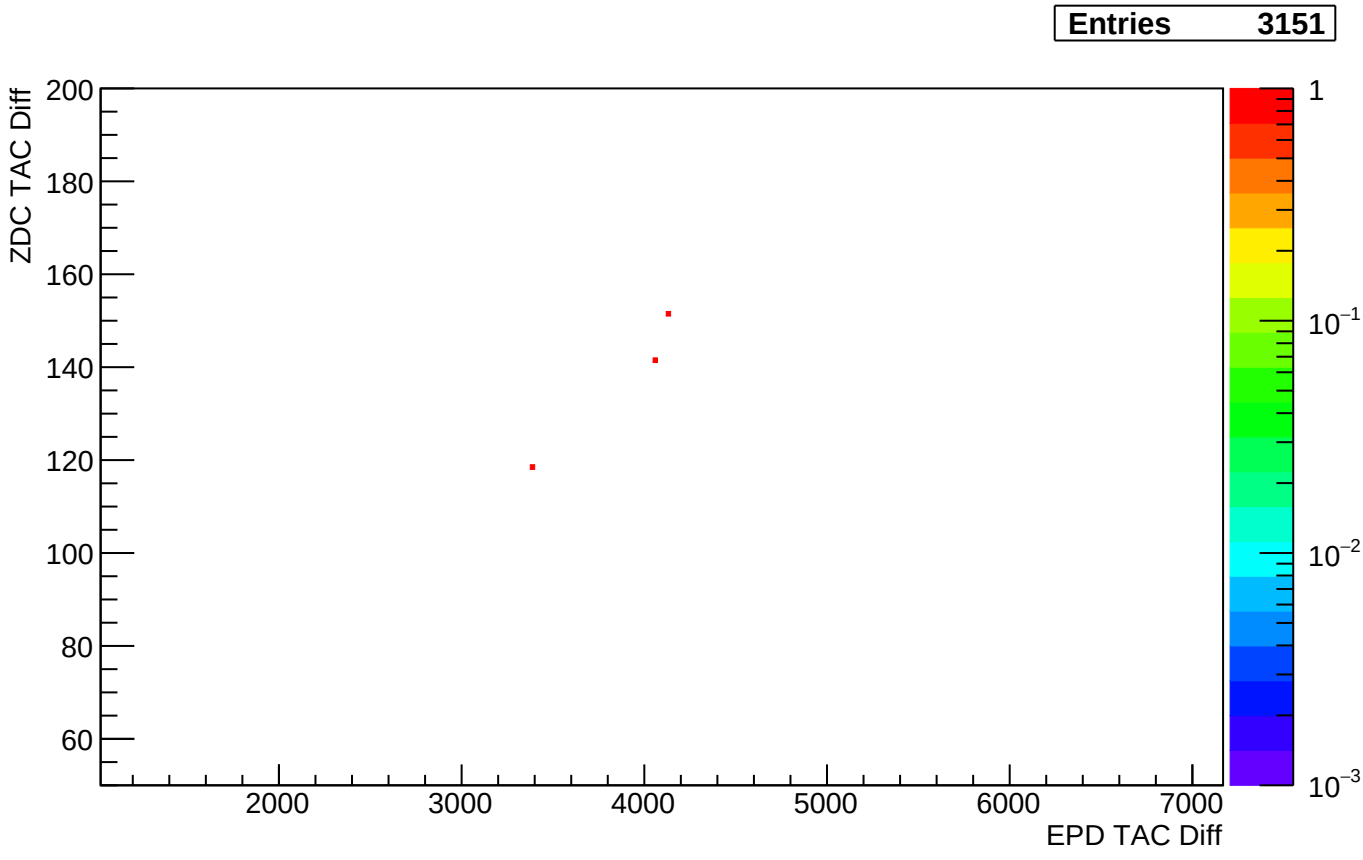

Entries 3151
TOF-Mult
BBC-S-West ADC Sum

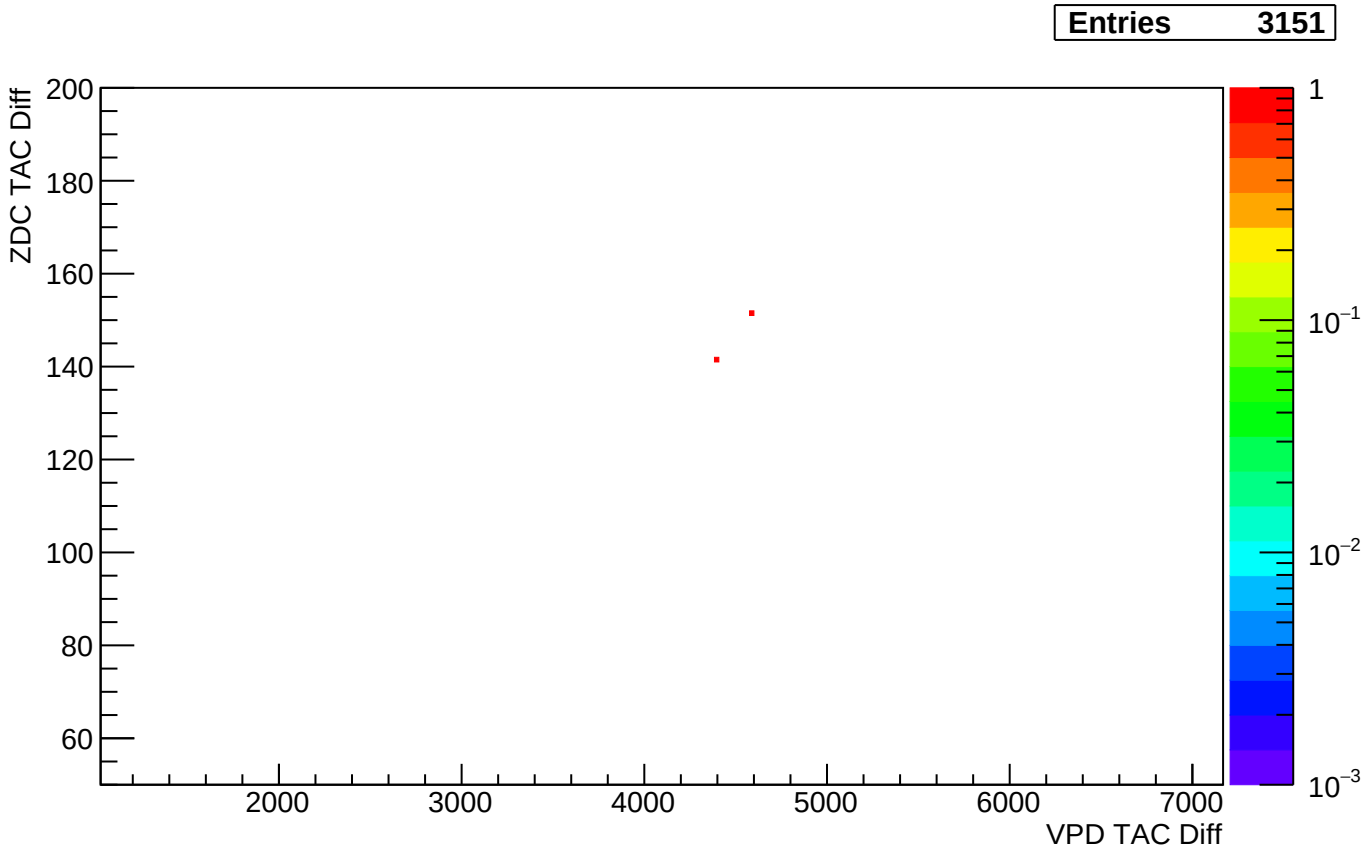

Entries 3151
TOF-Mult
EPD-East Hit Cnt

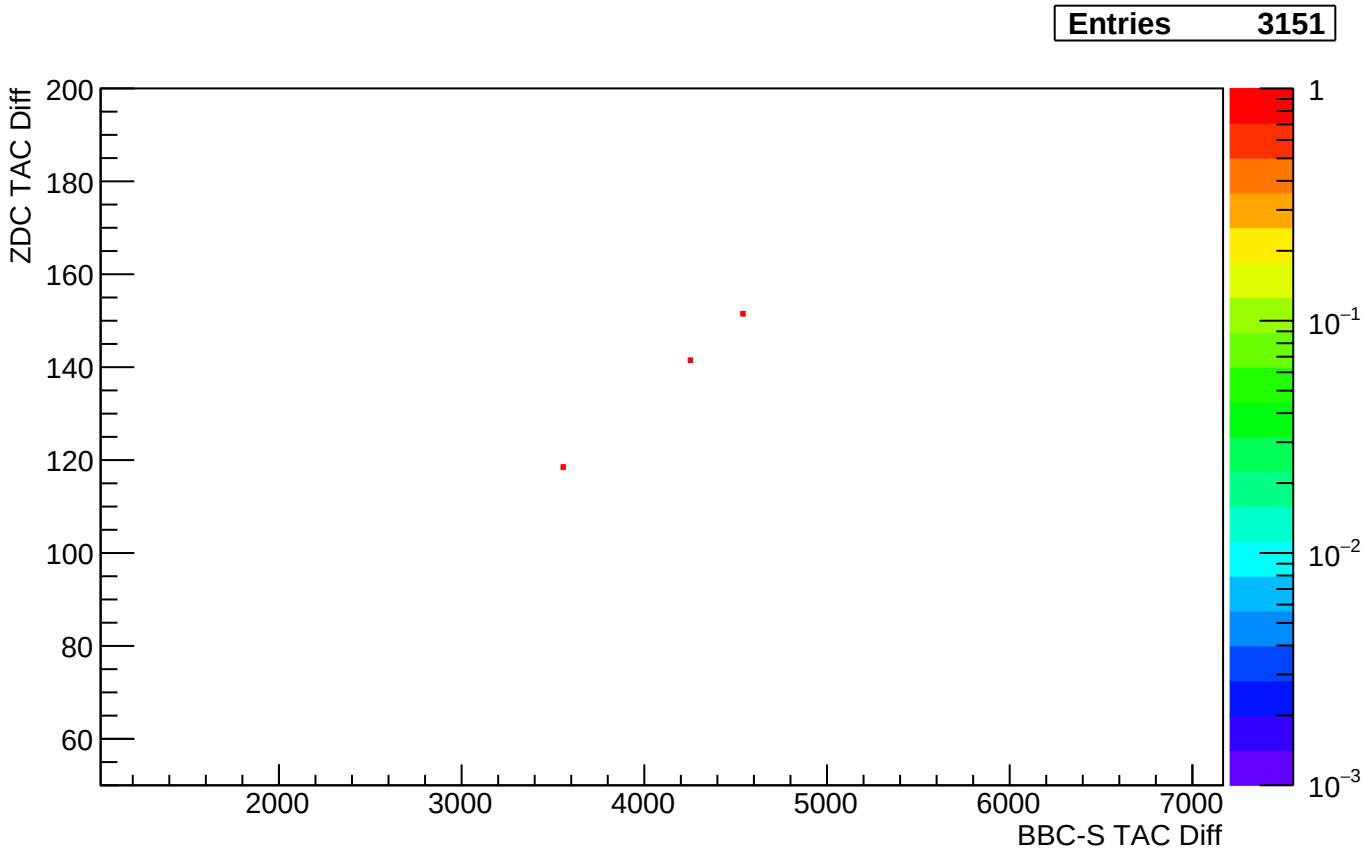

Entries 3151
TOF-Mult
EPD-West Hit Cnt

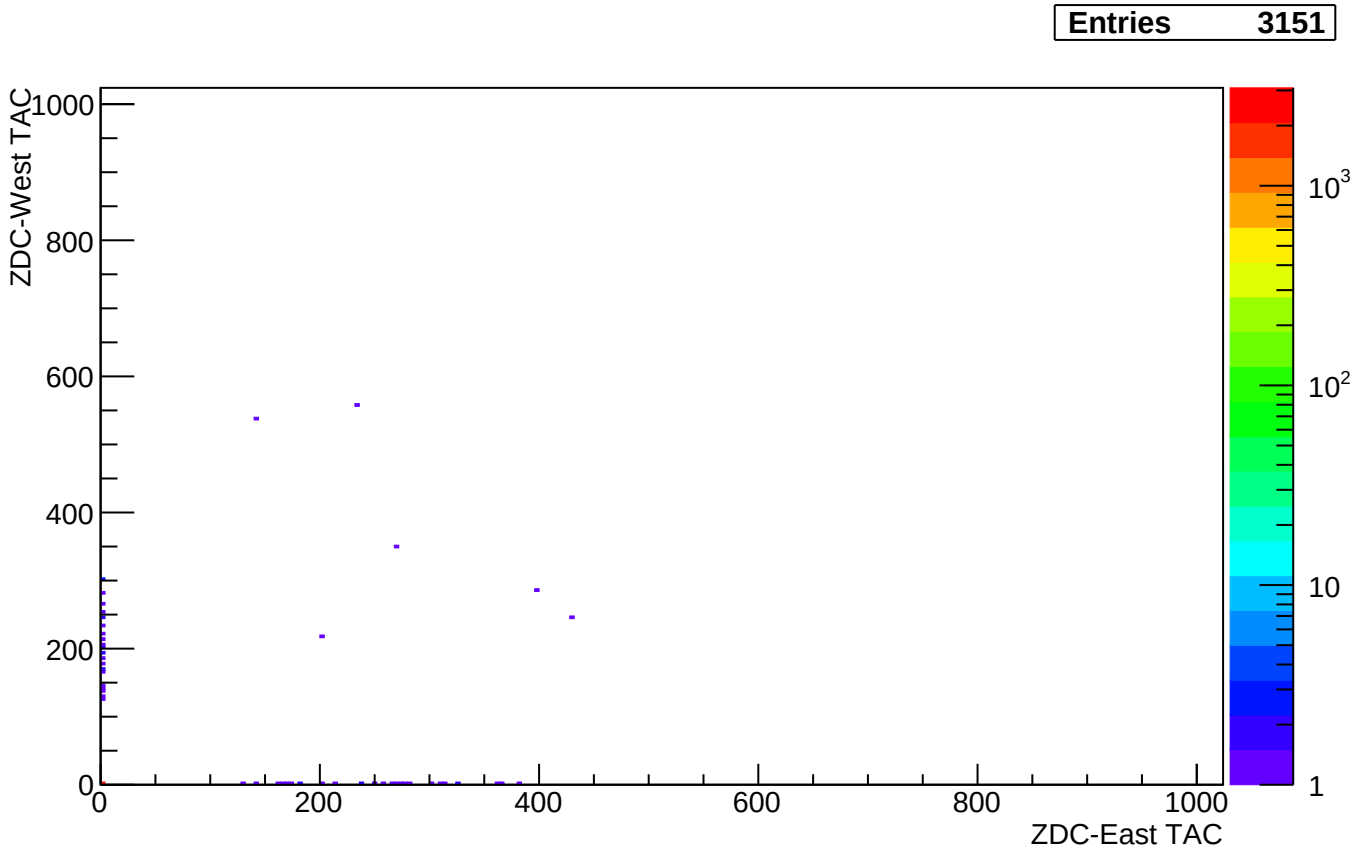

Entries 3151
TOF-Mult
VPD-East ADC Sum

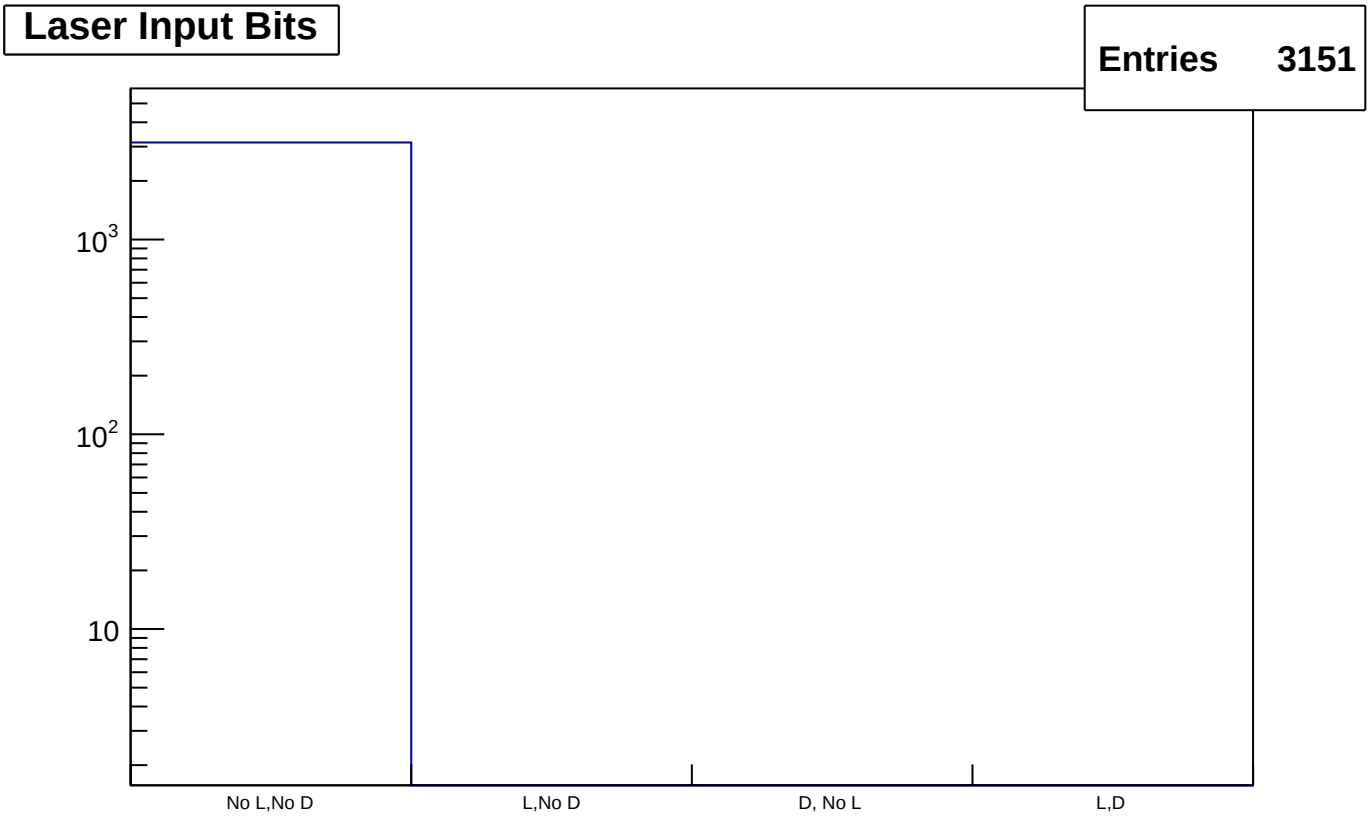

Entries 3151
TOF-Mult
VPD-West ADC Sum

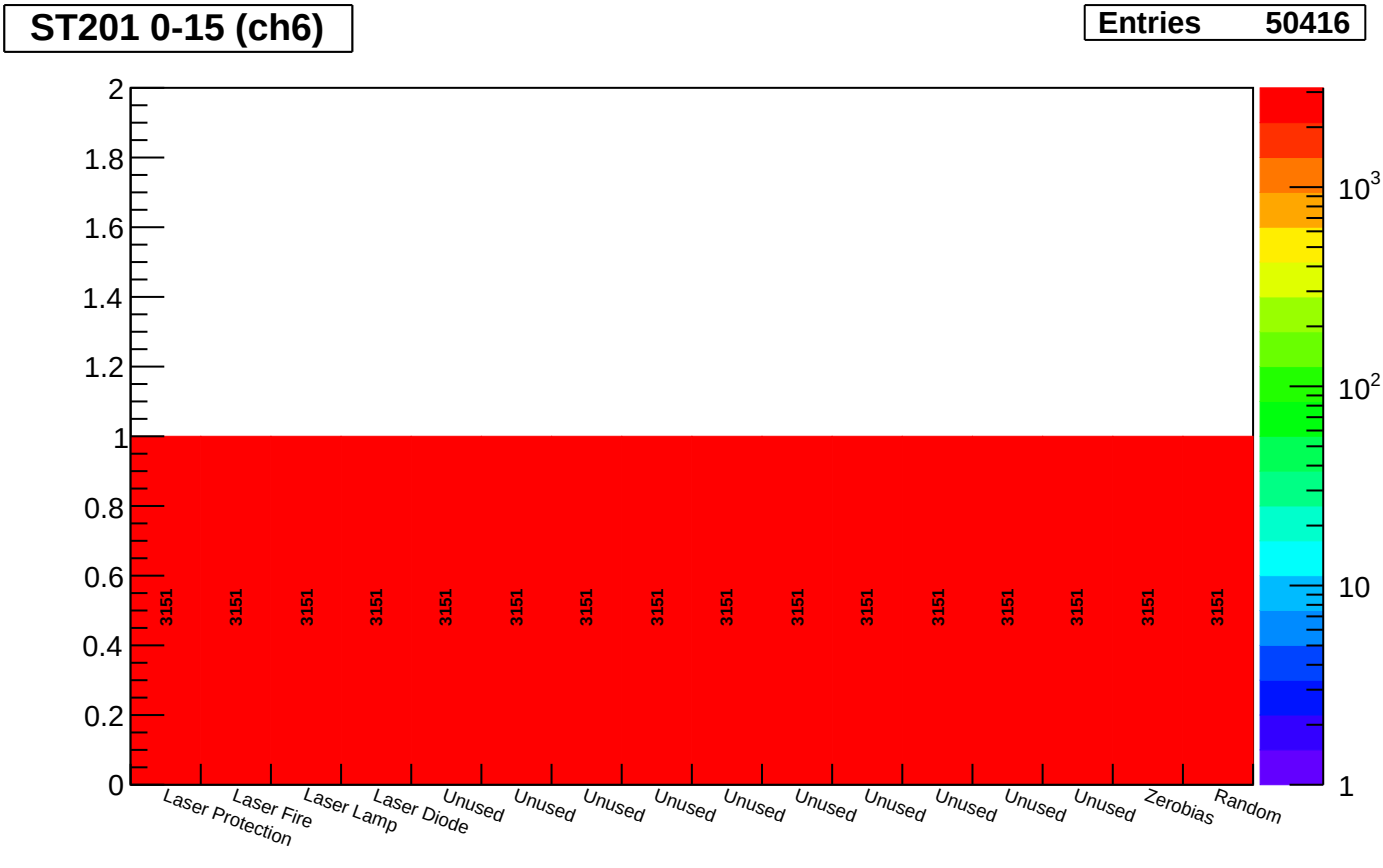

Entries 3151
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

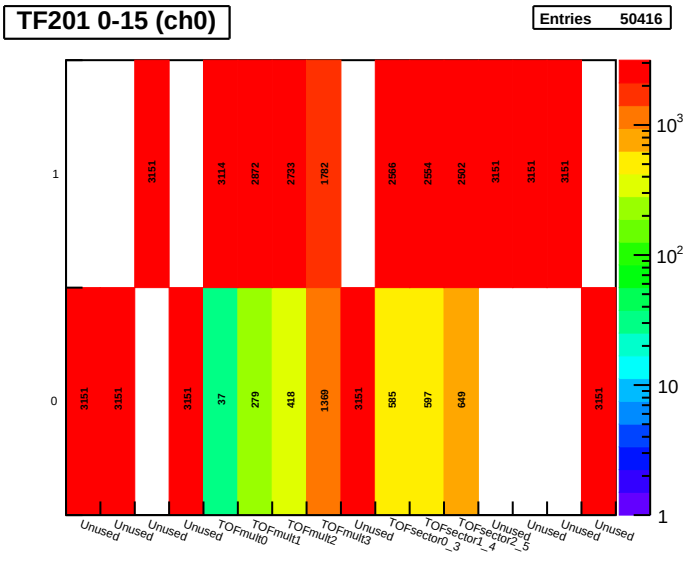

Entries 3151
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

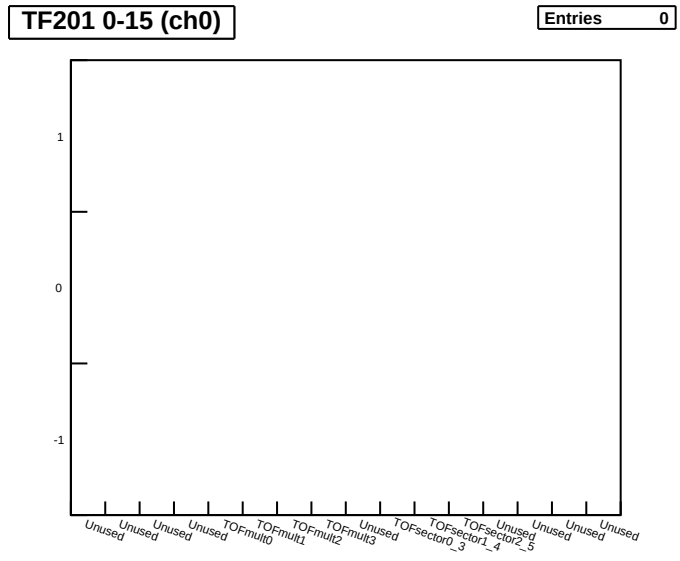

Entries 3151
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

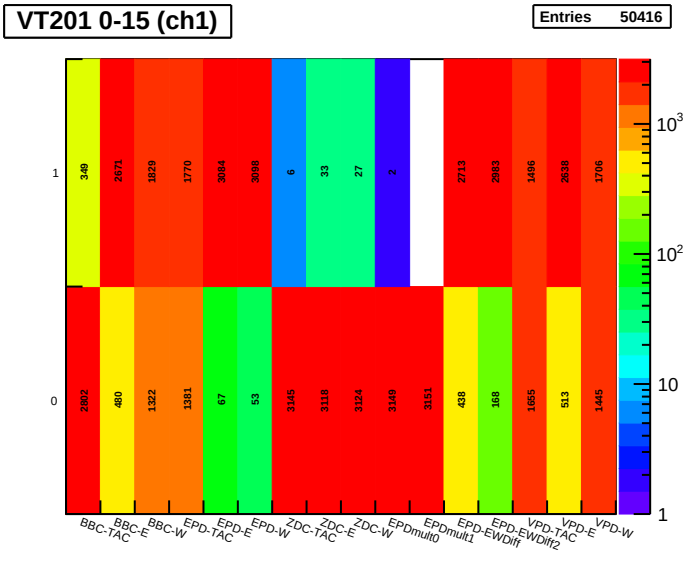

Entries 3151
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

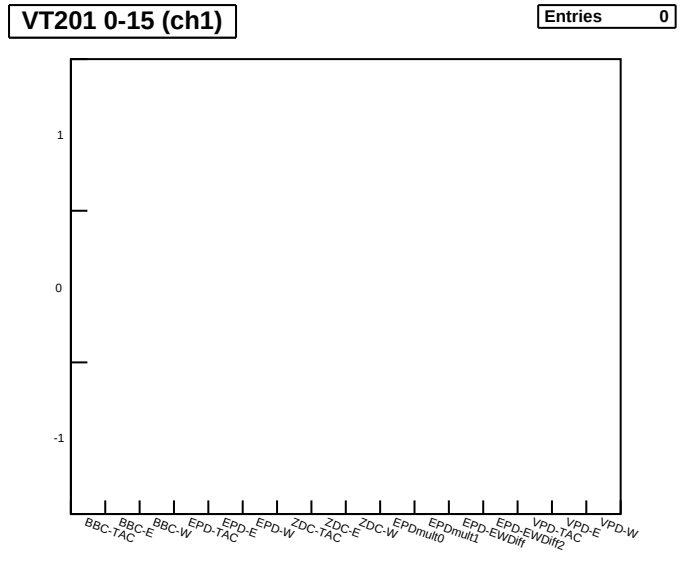

Laser Input Bits
Entries 3151
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

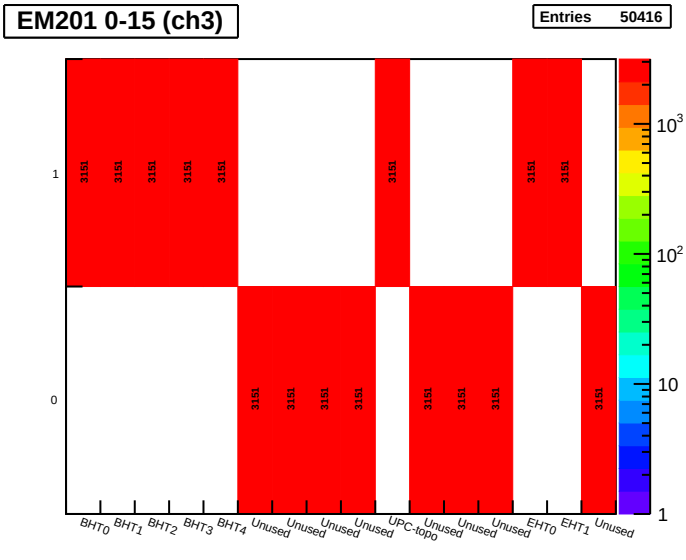

ST201 0-15 (ch6)
Entries 50416
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3151
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

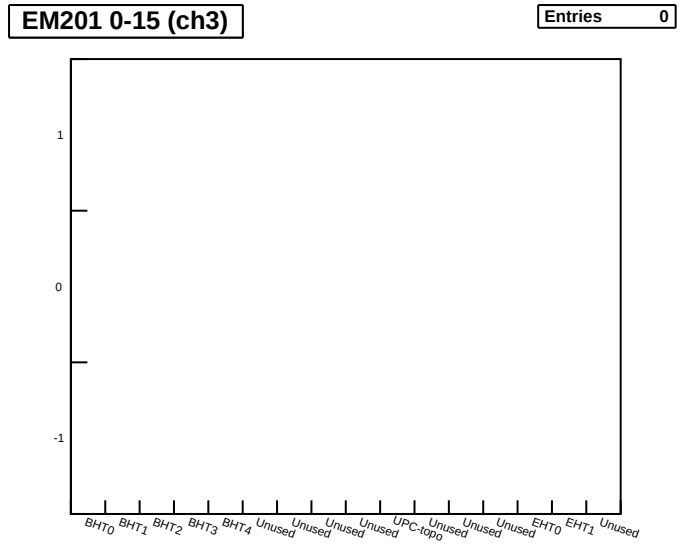

TF201 0-15 (ch0)
Entries 50416
1
0
3151 3151 3151 3151 3114 2872 2733 1782 2566 2554 2502 3151 3151 3151
3151 3151 3151 37 279 418 1369 3151 595 597 649 3151
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^3
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 Unused


VT201 0-15 (ch1)
Entries 50416
1
0
349 2671 1829 1770 3084 3098 6 33 27 2 2713 2983 1496 2638 1706
2802 480 1322 1381 67 53 3145 3118 3124 3149 3151 438 168 1655 513 1445
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
10^3
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 50416
1
0
3151 3151 3151 3151 3151 3151 3151 3151
3151 3151 3151 3151 3151 3151 3151 3151
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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