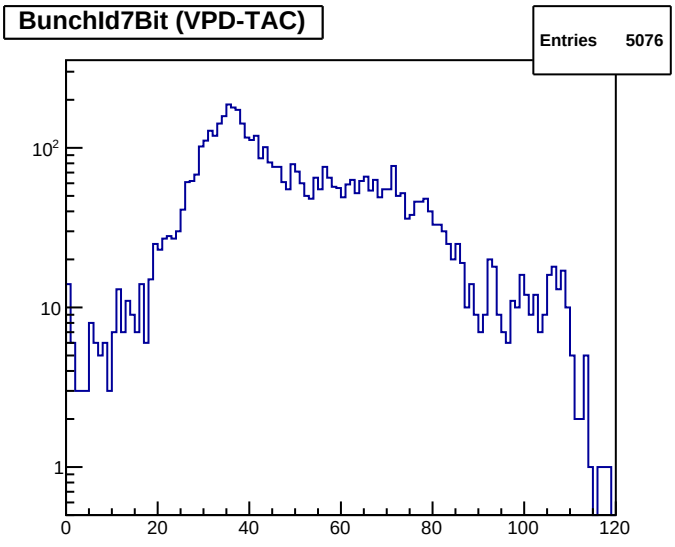
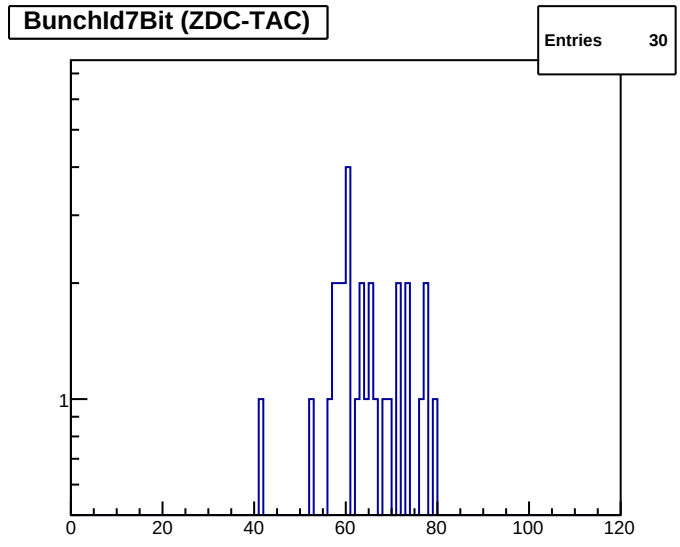
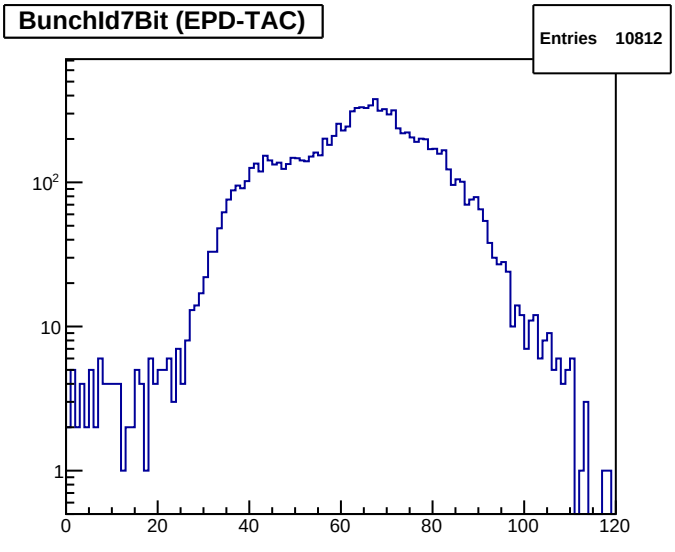
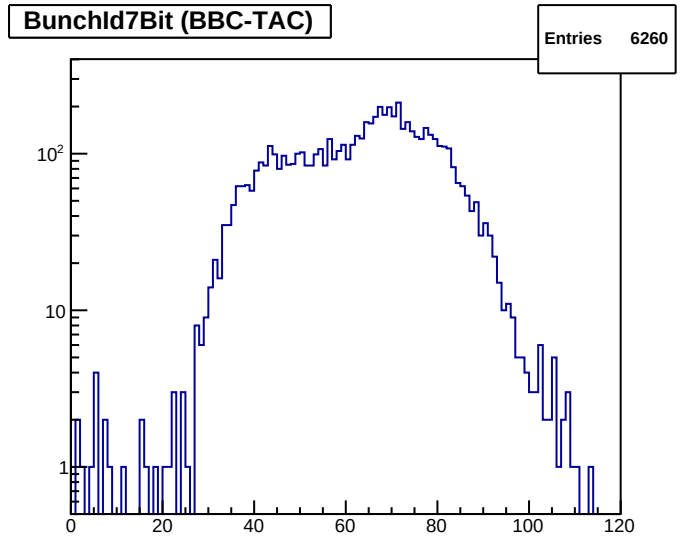
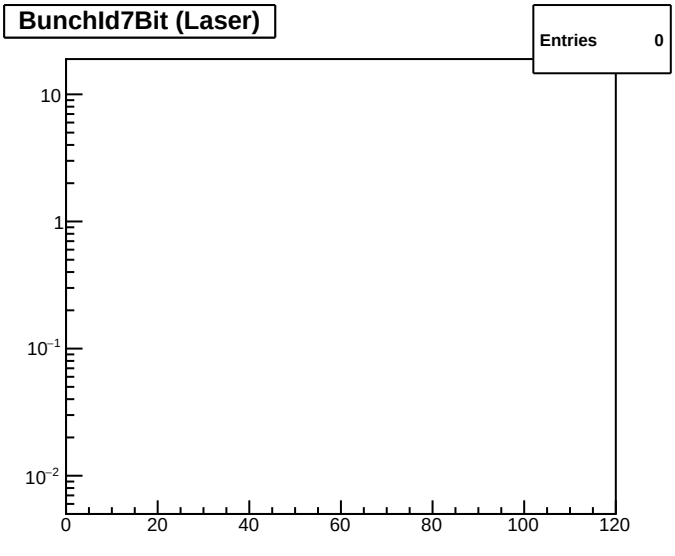
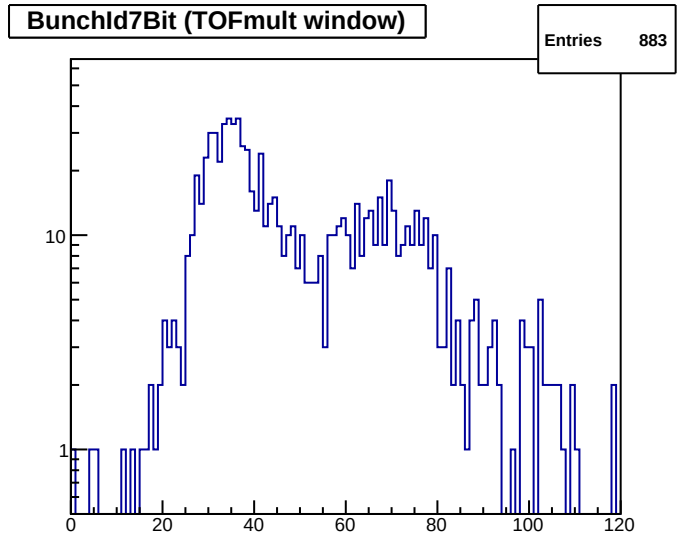

BunchId7Bit (VPD-TAC)
Entries 5076
10^2
10
1
0
20
40
60
80
100
120

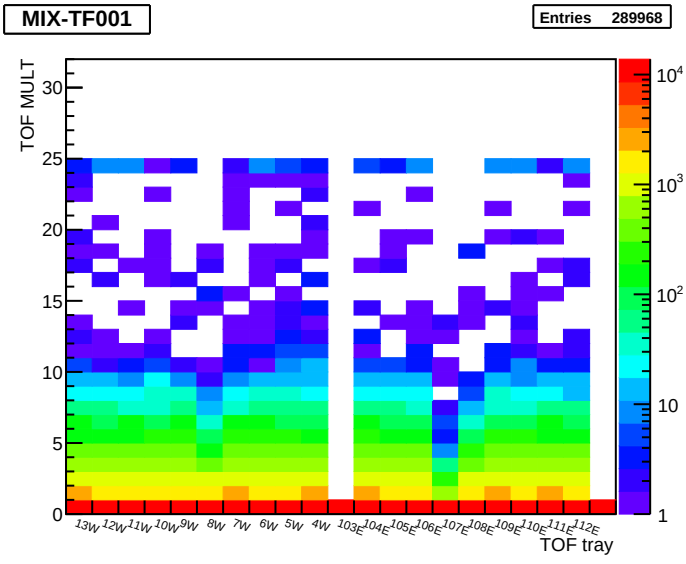

BunchId7Bit (ZDC-TAC)
Entries 30
1
0
20
40
60
80
100
120

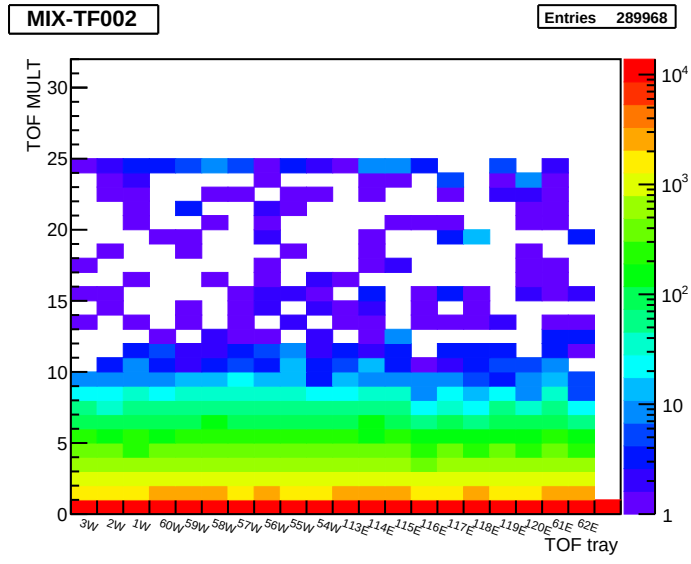

BunchId7Bit (EPD-TAC)
Entries 10812
10^2
10
1
0
20
40
60
80
100
120

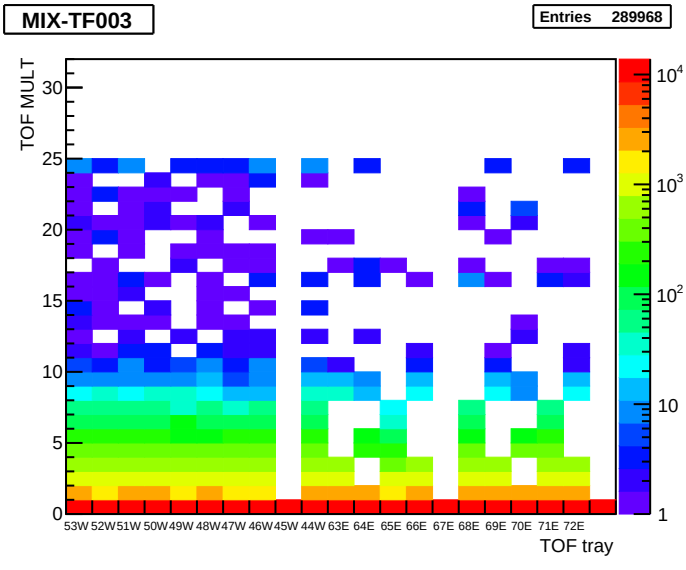

BunchId7Bit (BBC-TAC)
Entries 6260
10^2
10
1
0
20
40
60
80
100
120

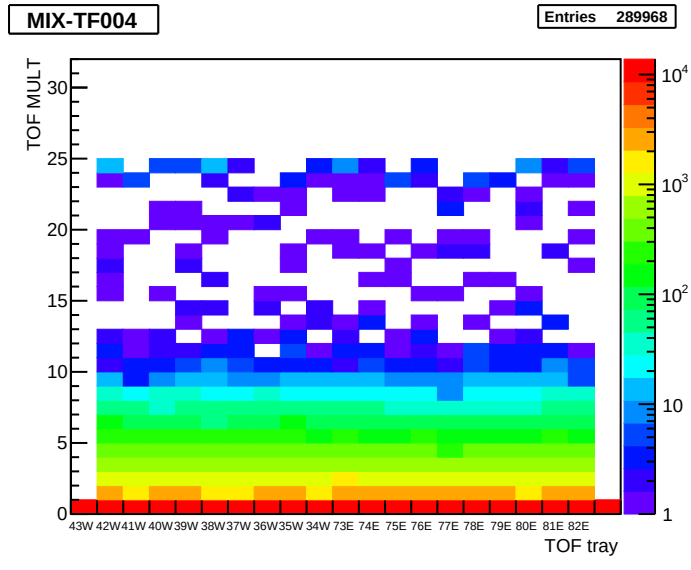

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

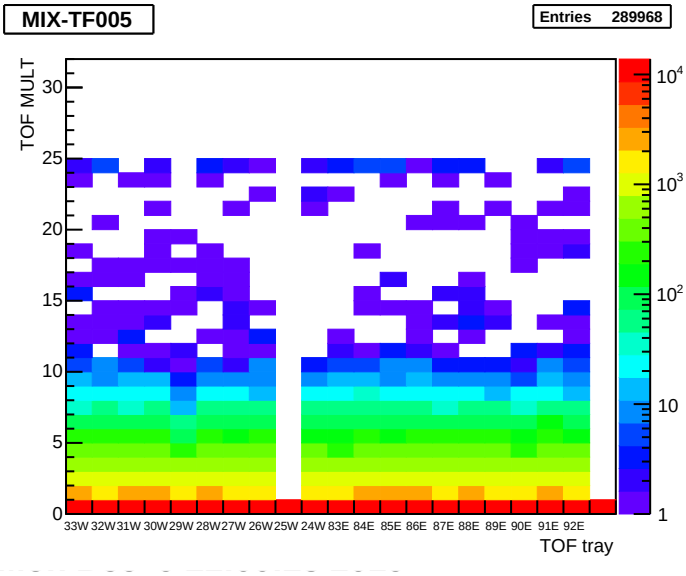

BunchId7Bit (TOFmult window)
Entries 883
10
1
0
20
40
60
80
100
120

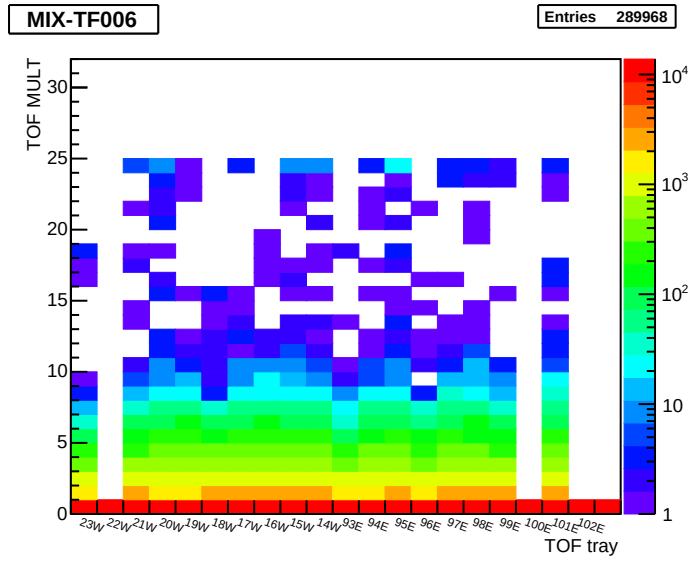

MIX-TF001
Entries 289968
TOF MULT
TOF tray

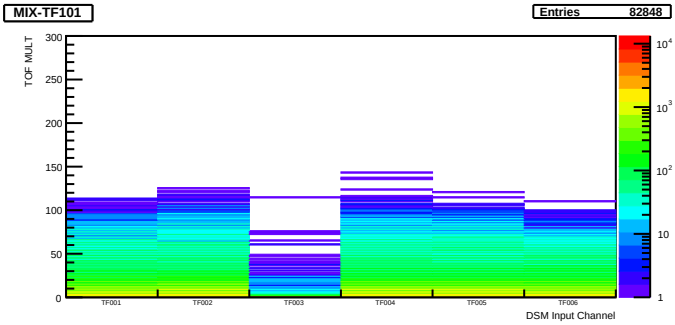

MIX-TF002
Entries 289968
TOF MULT
TOF tray

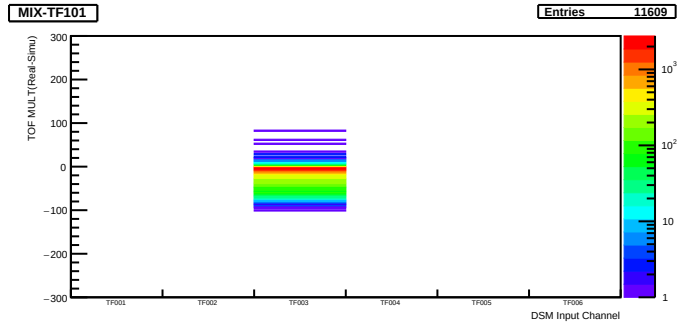

MIX-TF003
Entries 289968
TOF MULT
TOF tray

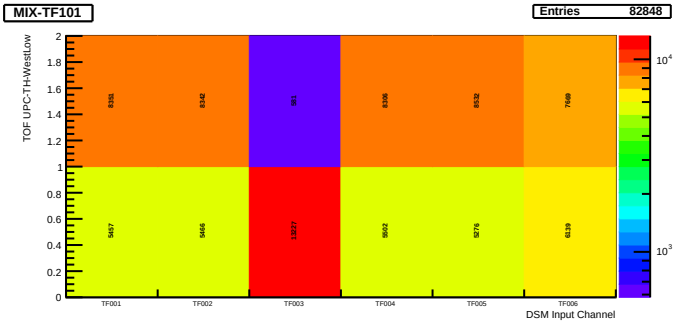

MIX-TF004
Entries 289968
TOF MULT
TOF tray

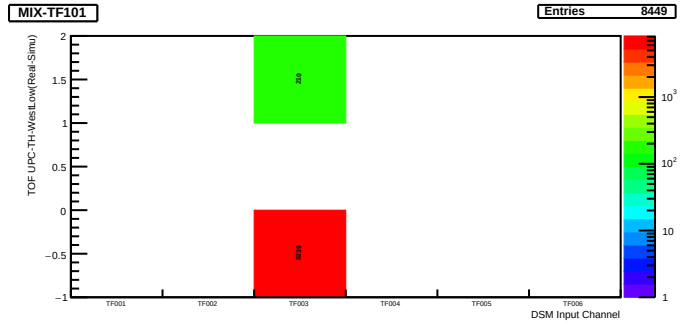

MIX-TF005
Entries 289968
TOF MULT
TOF tray

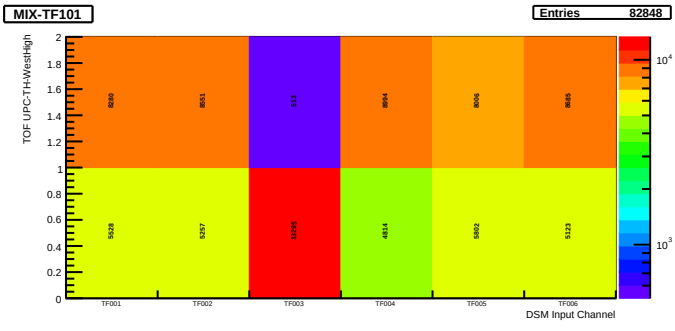

MIX-TF006
Entries 289968
TOF MULT
TOF tray

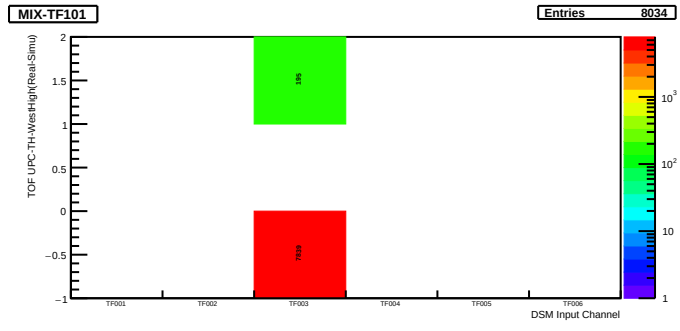

MIX-TF101
Entries 82848
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

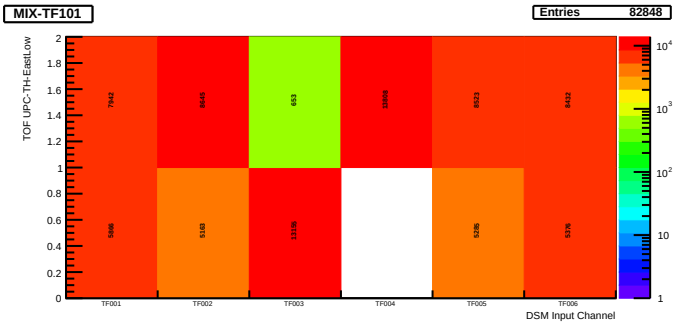

MIX-TF101
Entries 11609
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

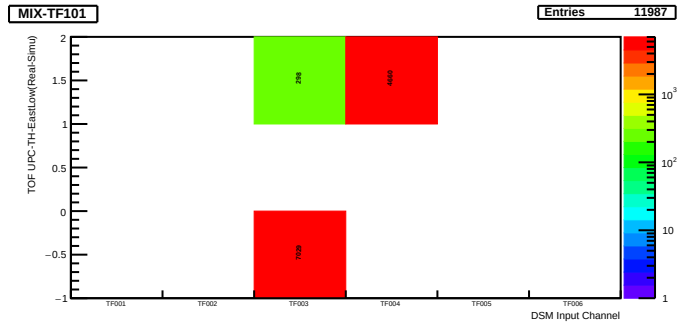

MIX-TF101
Entries 82848
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

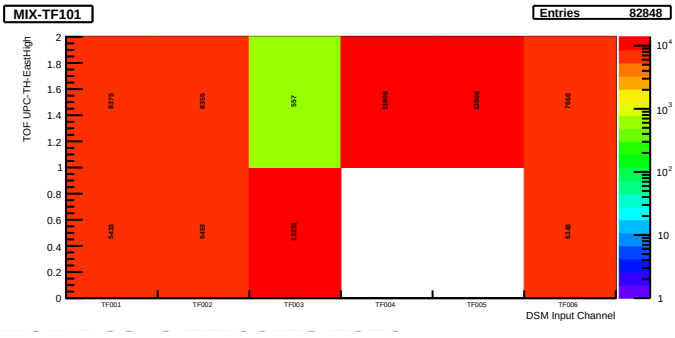

MIX-TF101
Entries 8449
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

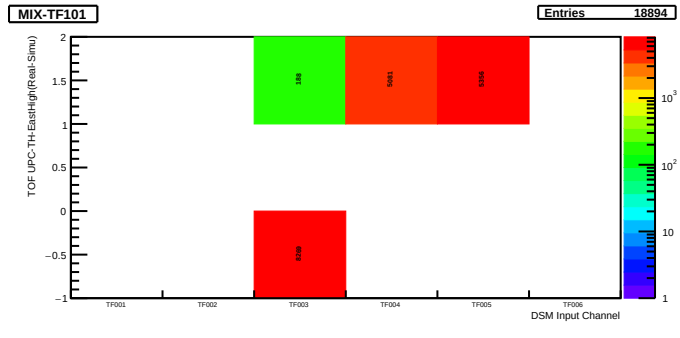

MIX-TF101
Entries 82848
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

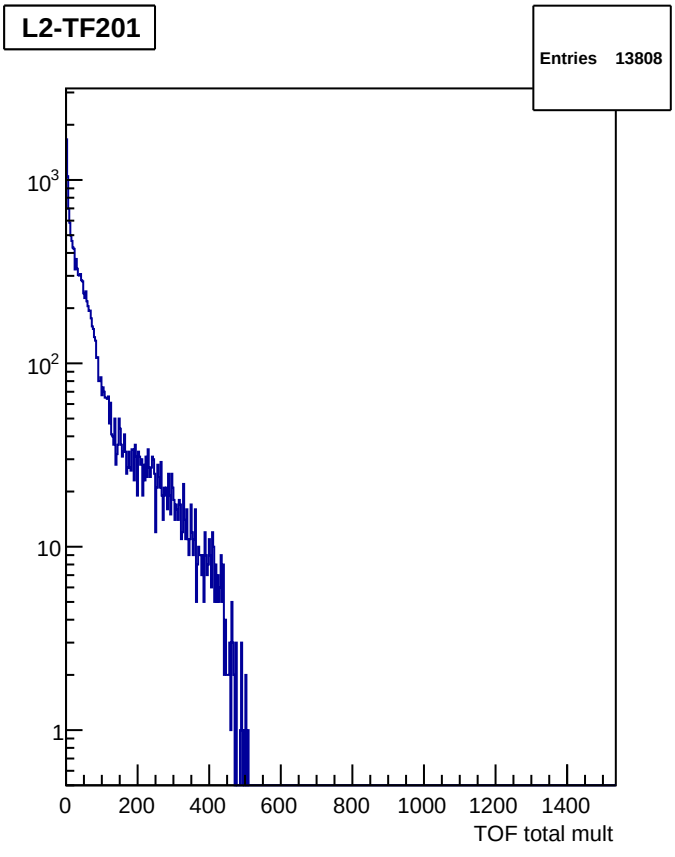

MIX-TF101
Entries 8034
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

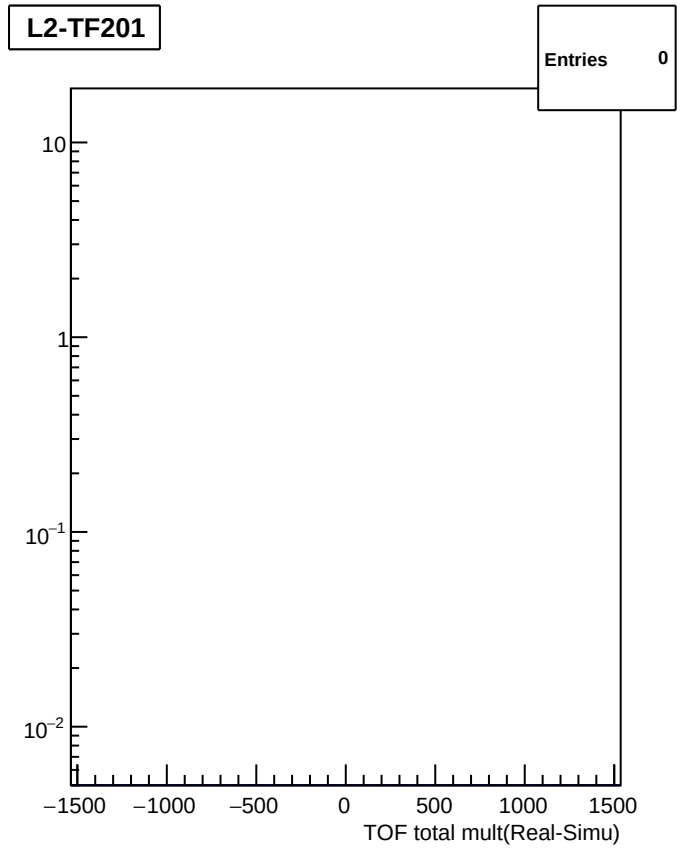

MIX-TF101
Entries 82848
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

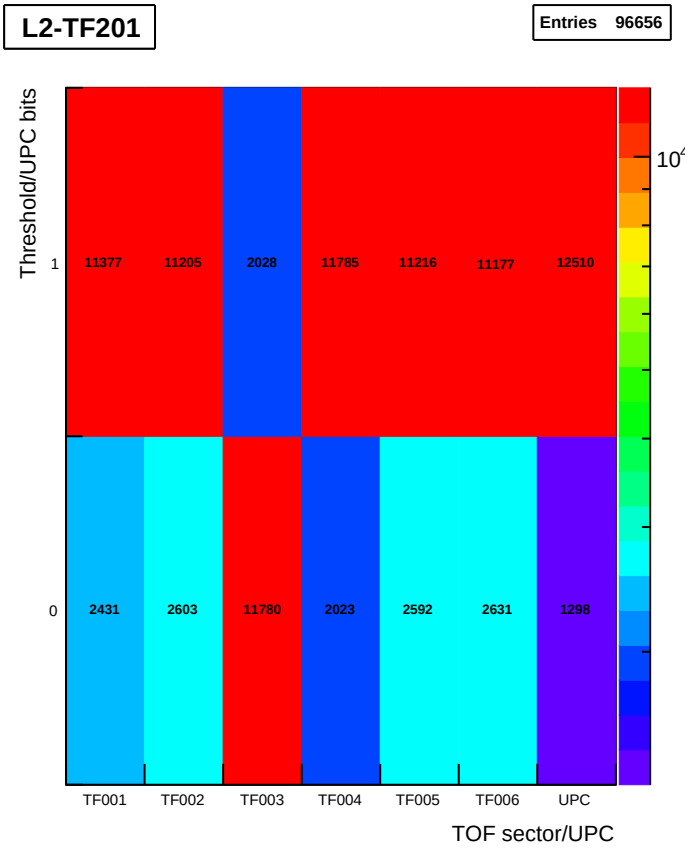

MIX-TF101
Entries 11987
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

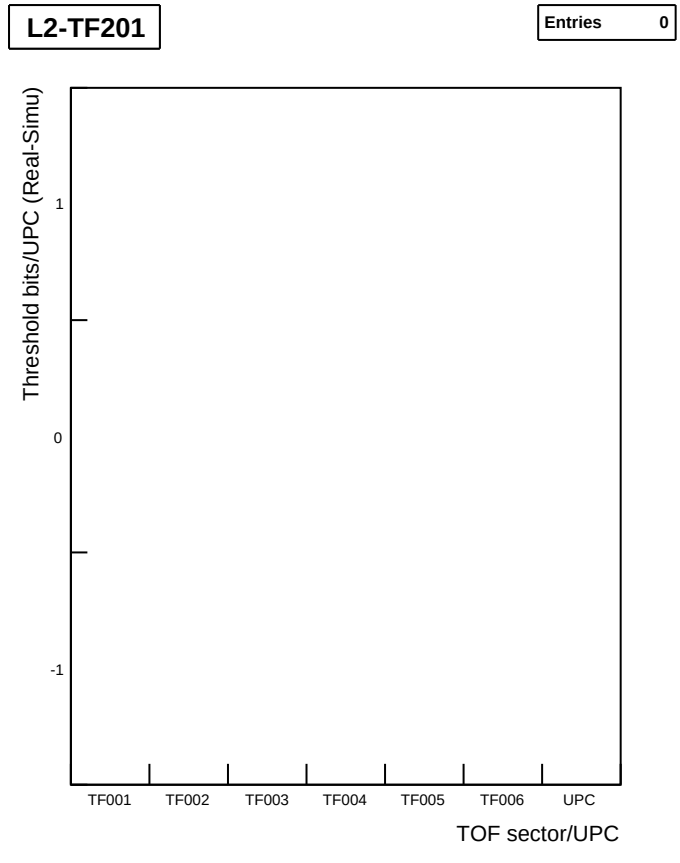

MIX-TF101
Entries 82848
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

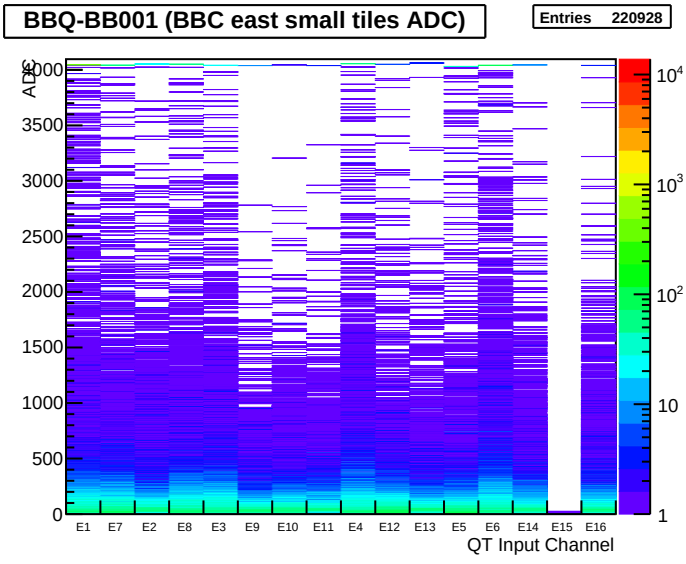

MIX-TF101
Entries 18894
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

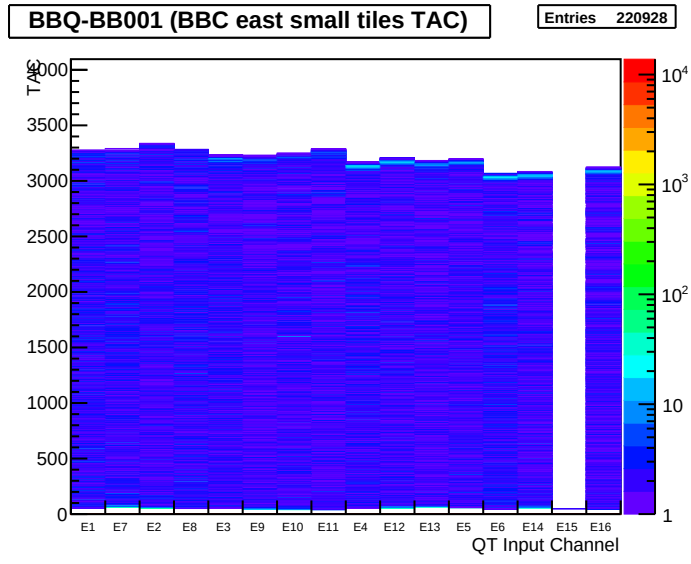

L2-TF201
Entries 13808
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

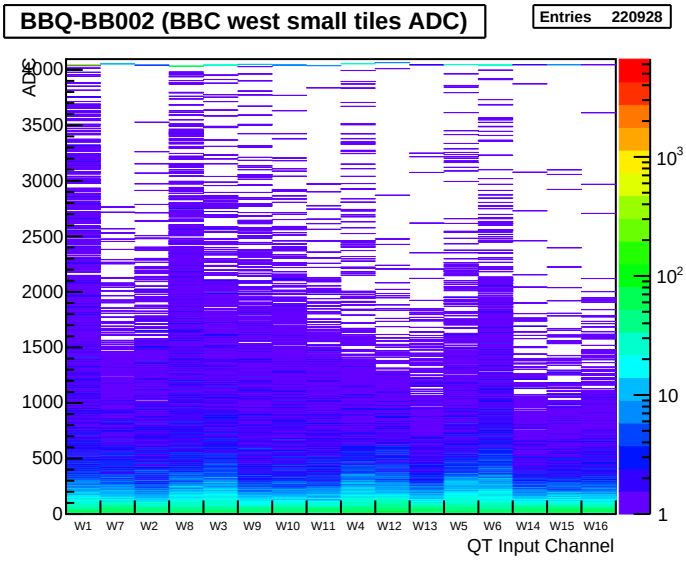

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

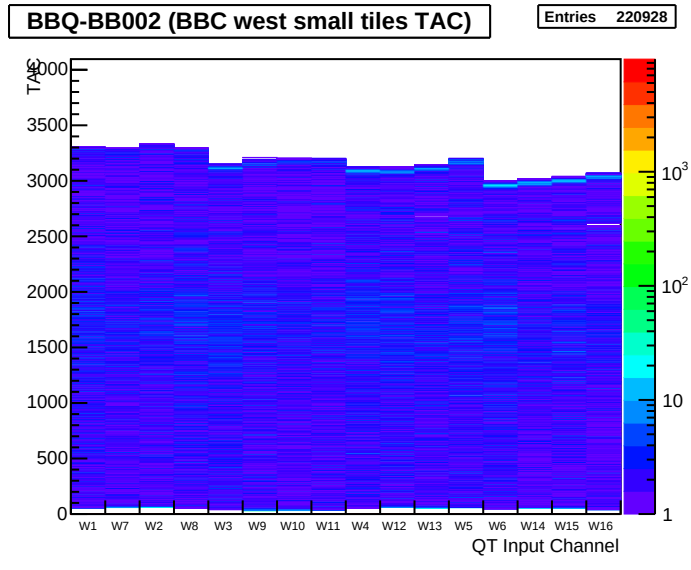

L2-TF201
Entries 96656
Threshold/UPC bits
1
0
11377
11205
2028
11785
11216
11177
12510
2431
2603
11780
2023
2592
2631
1298
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

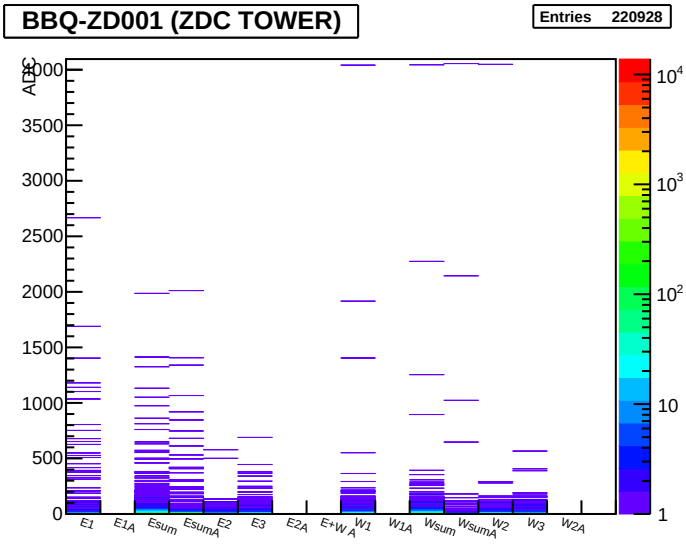

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

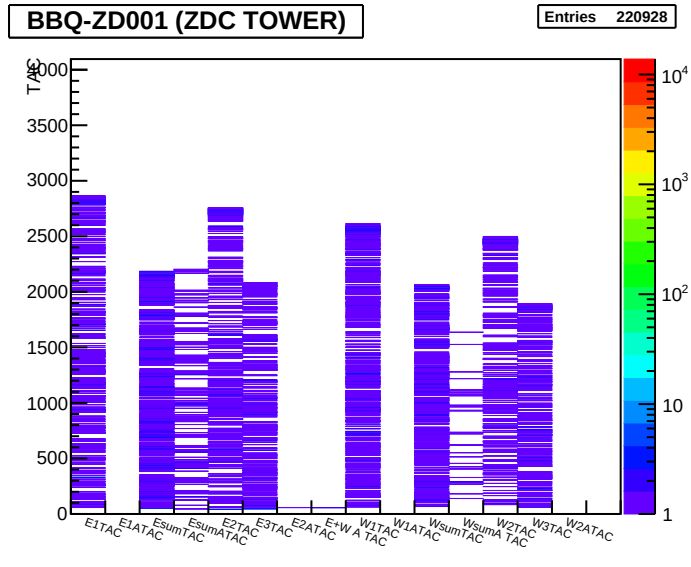

BBQ-BB001 (BBC east small tiles ADC)
Entries 220928
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

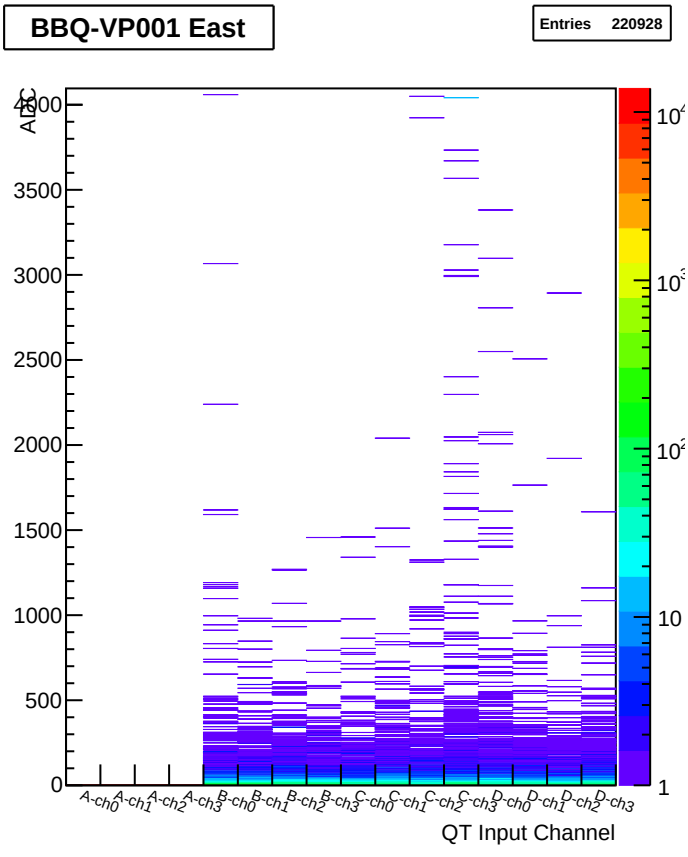

BBQ-BB001 (BBC east small tiles TAC)
Entries 220928
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

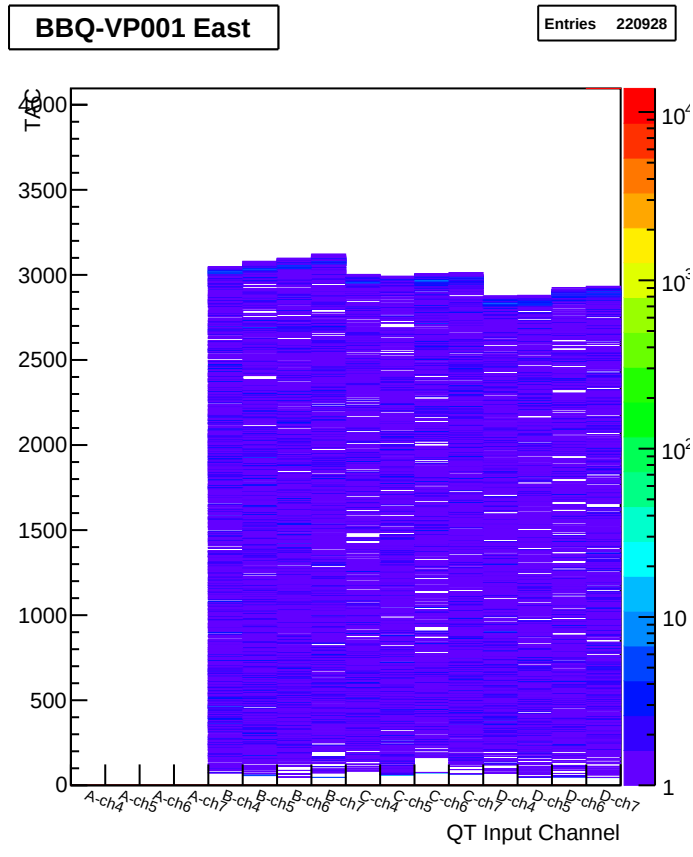

BBQ-BB002 (BBC west small tiles ADC)
Entries 220928
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

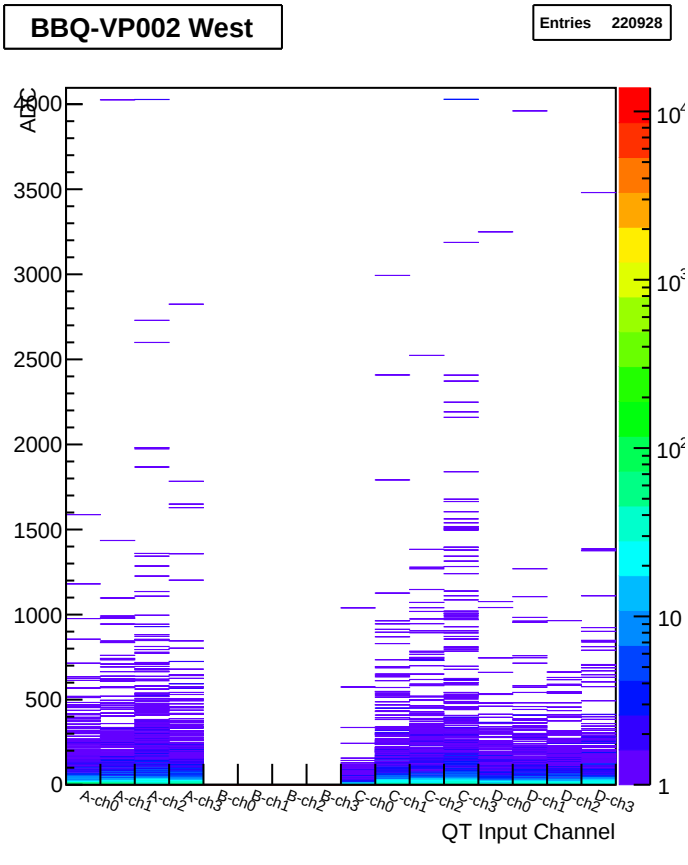

BBQ-BB002 (BBC west small tiles TAC)
Entries 220928
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

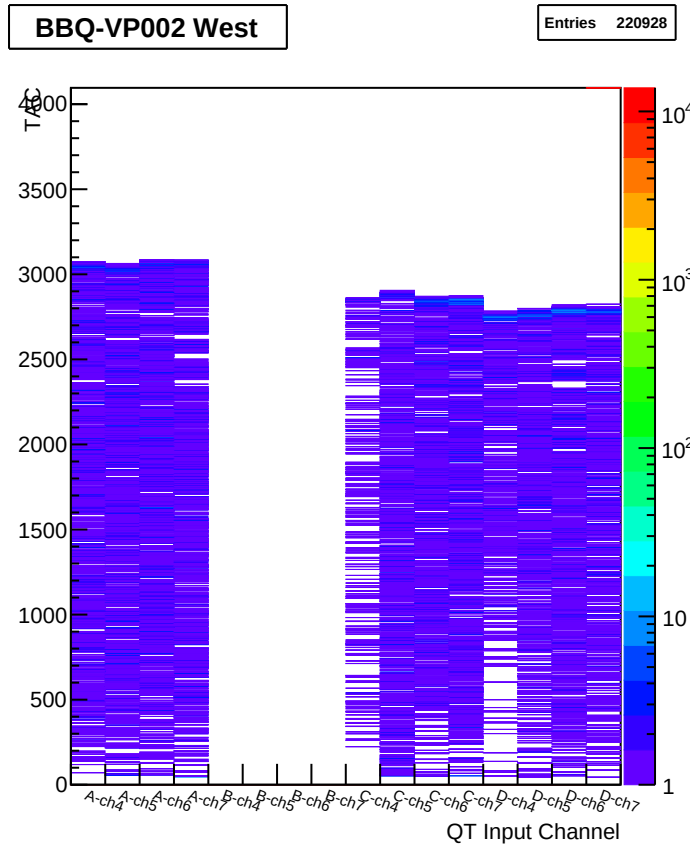

BBQ-ZD001 (ZDC TOWER)
Entries 220928
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

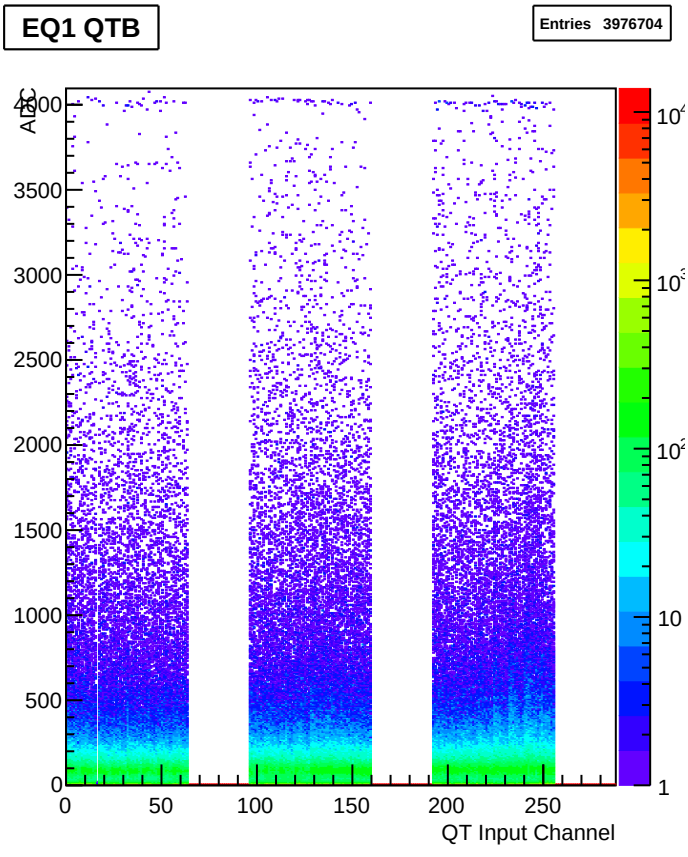

BBQ-ZD001 (ZDC TOWER)
Entries 220928
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

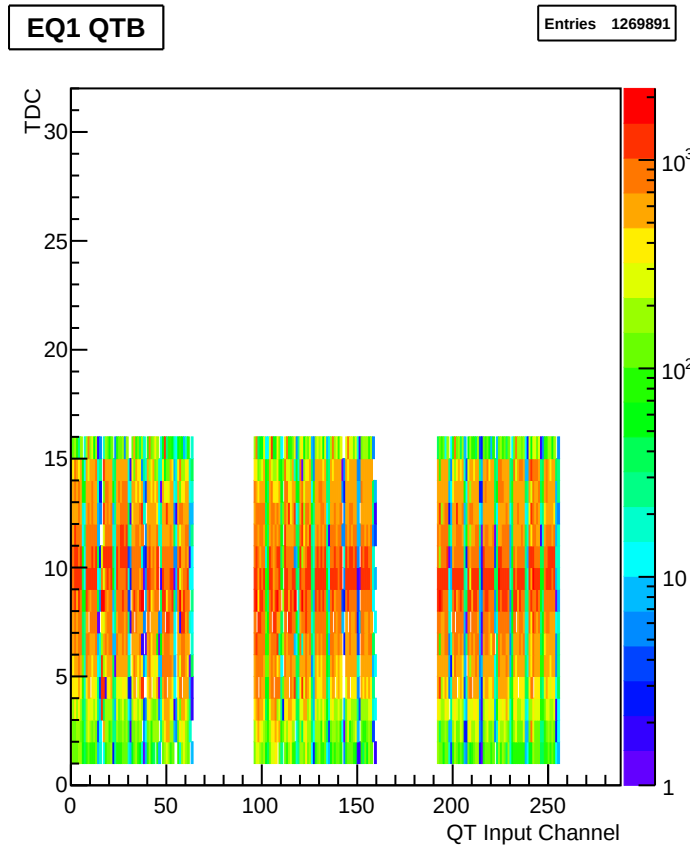

BBQ-VP001 East
Entries 220928
ADC
QT Input Channel

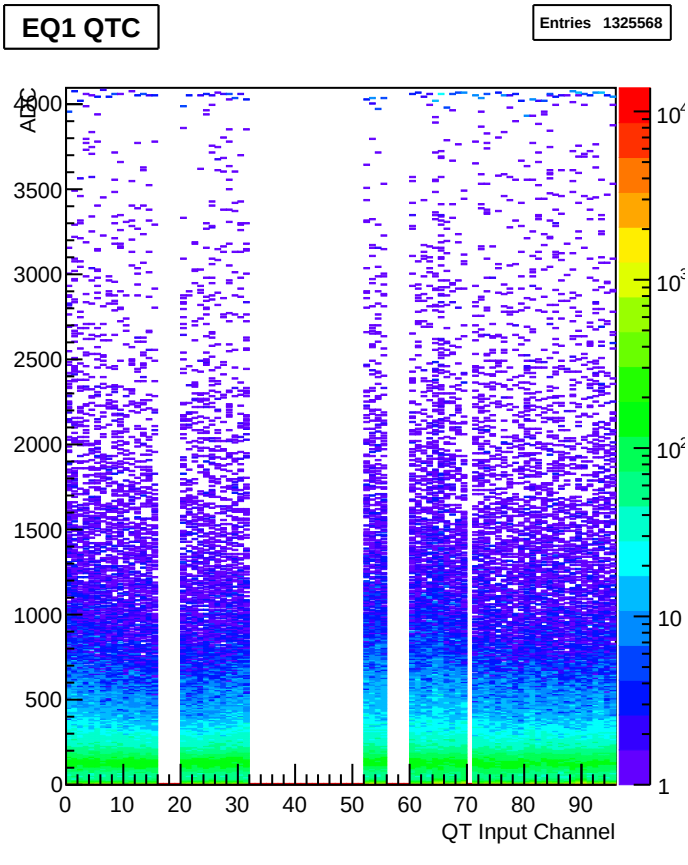

BBQ-VP001 East
Entries 220928
TADC
QT Input Channel

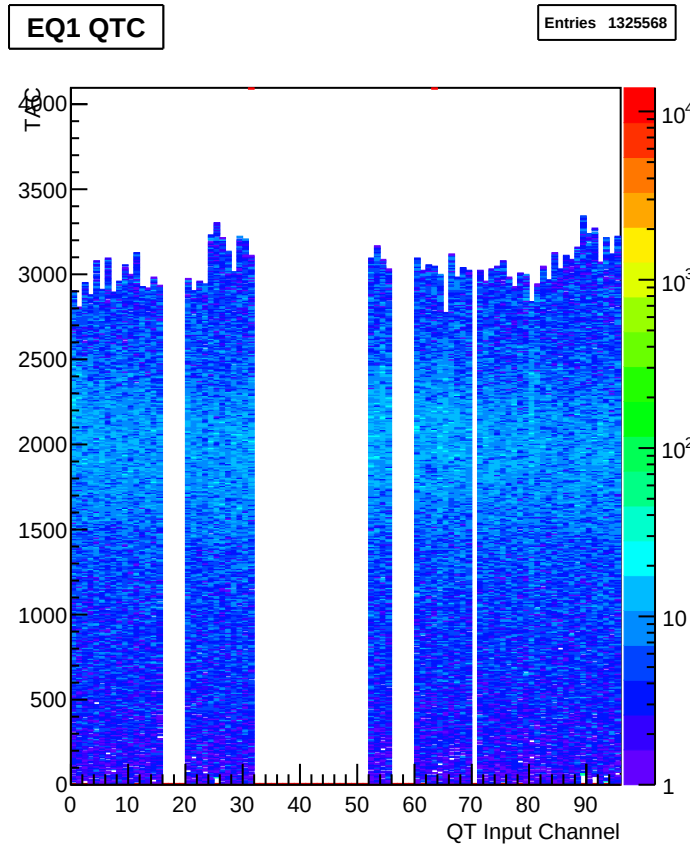

BBQ-VP002 West
Entries 220928
ADC
QT Input Channel

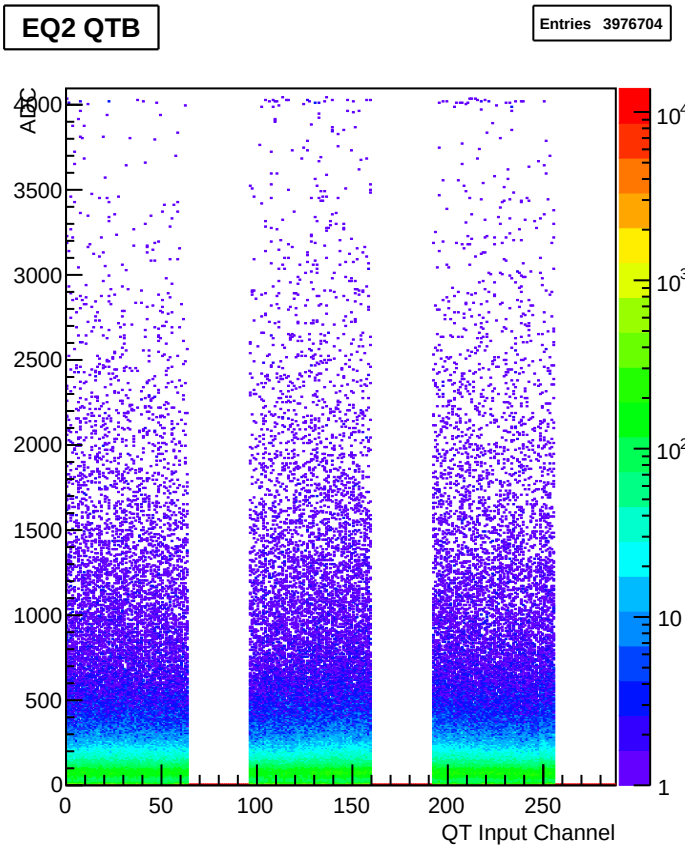

BBQ-VP002 West
Entries 220928
TADC
QT Input Channel

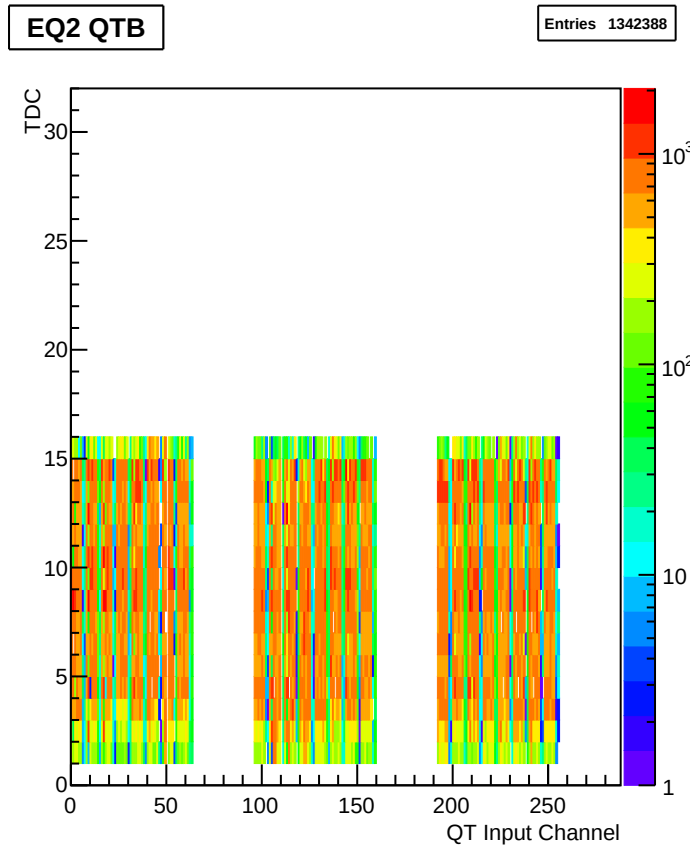

EQ1 QTB
Entries 3976704
ADC
QT Input Channel

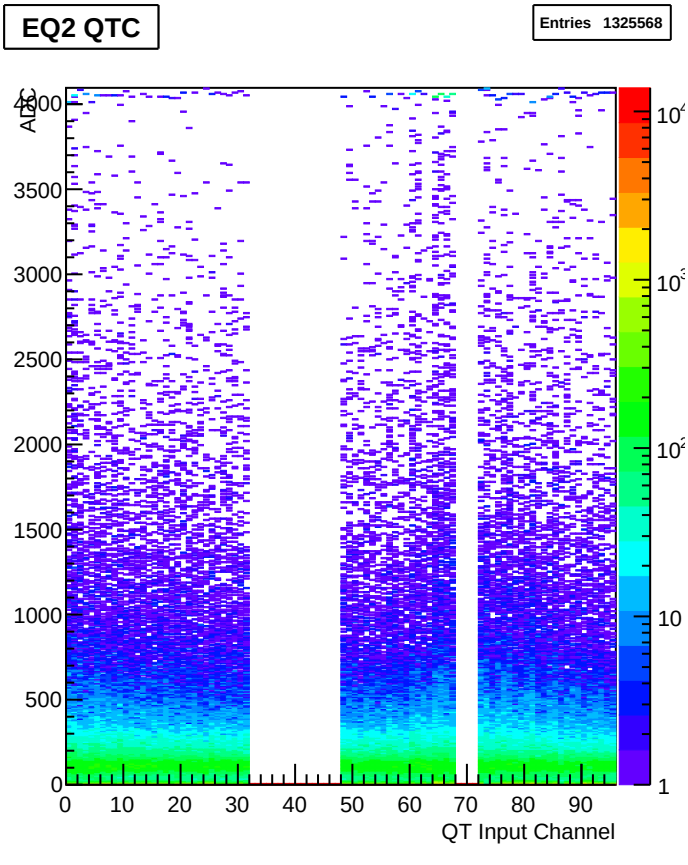

EQ1 QTB
Entries 1269891
TDC
QT Input Channel

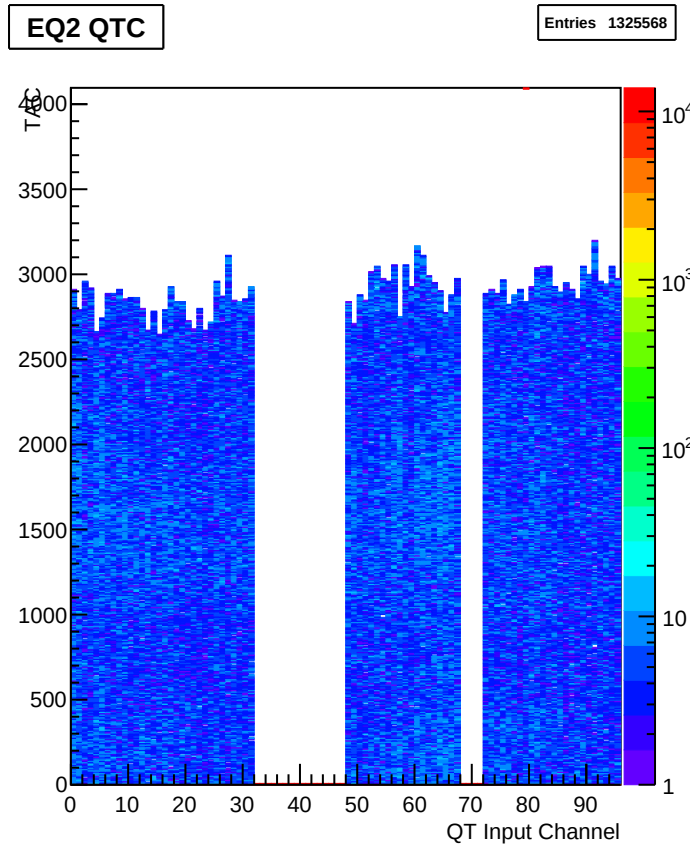

EQ1 QTC
Entries 1325568
ADC
QT Input Channel

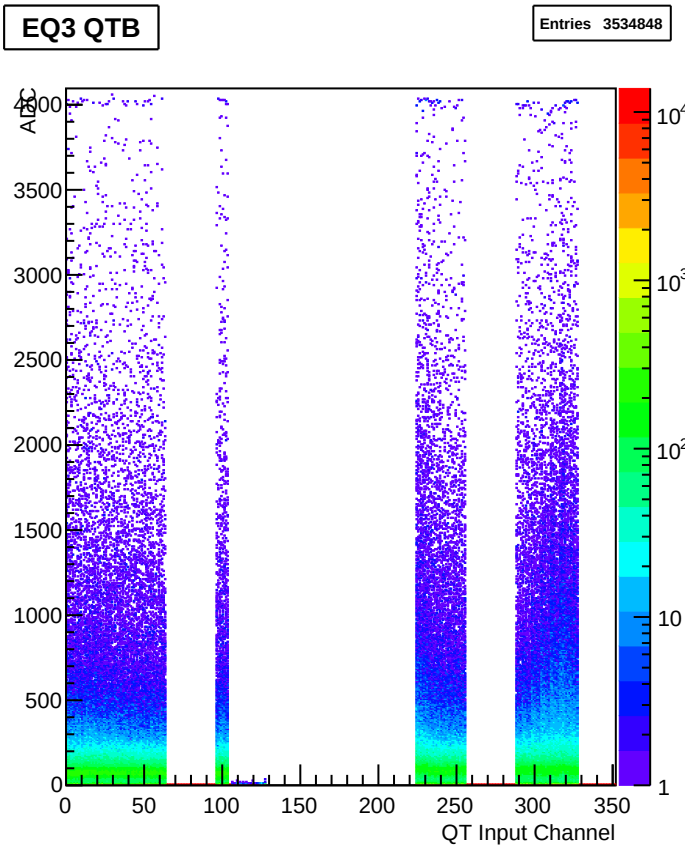

EQ1 QTC
Entries 1325568
TADC
QT Input Channel

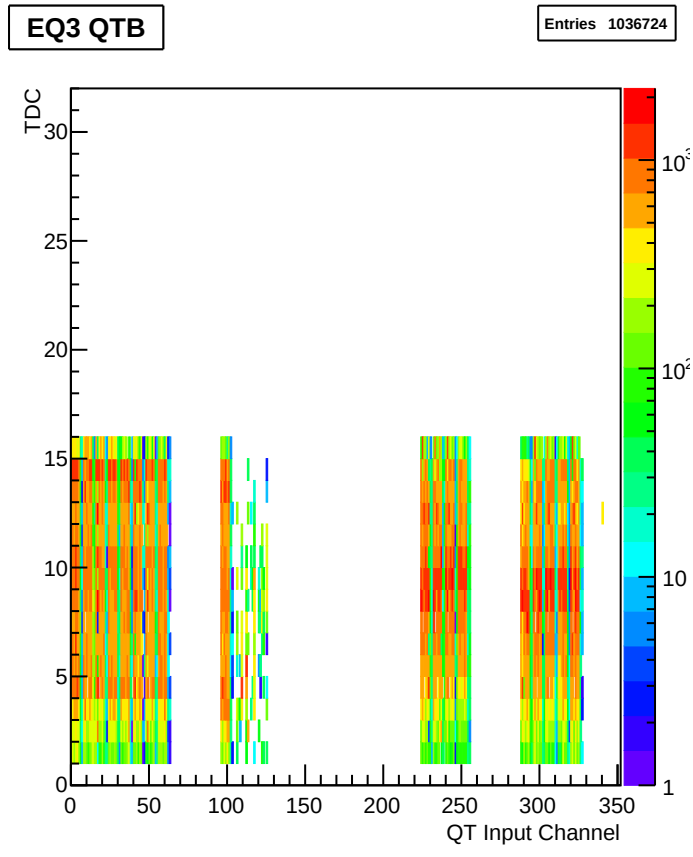

EQ2 QTB
Entries 3976704
ADC
QT Input Channel

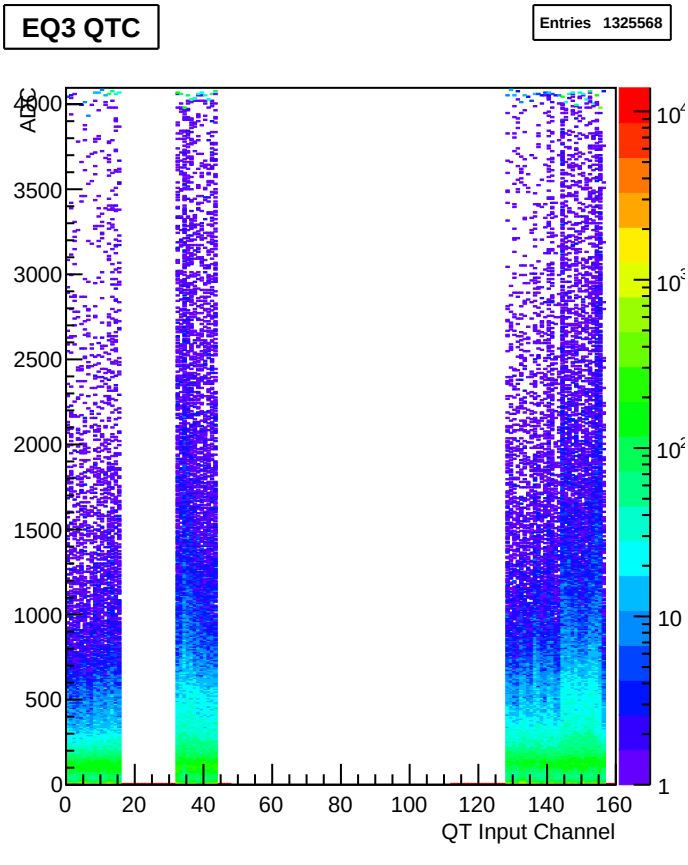

EQ2 QTB
Entries 1342388
TDC
QT Input Channel

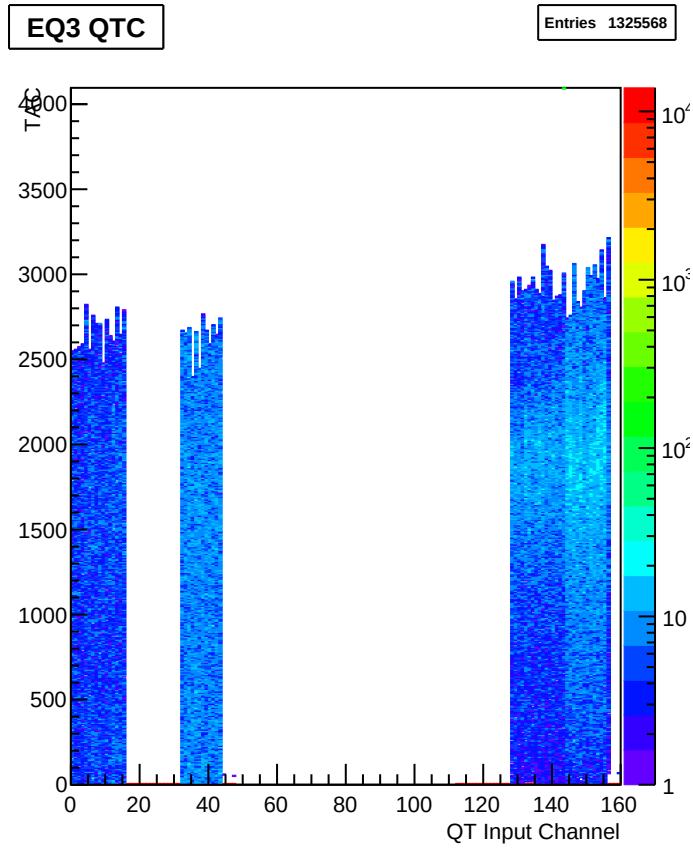

EQ2 QTC
Entries 1325568
ADC
QT Input Channel

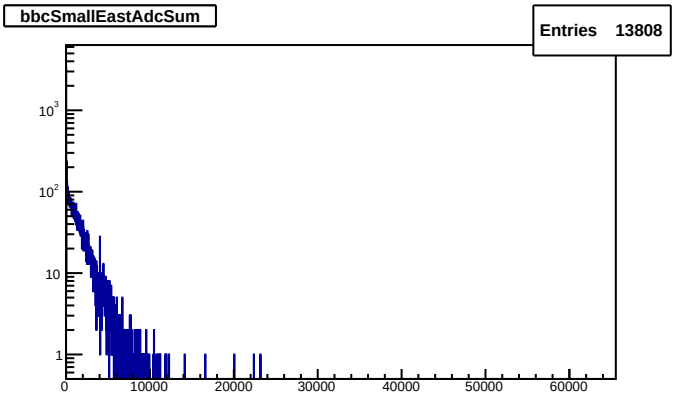

EQ2 QTC
Entries 1325568
TAC
QT Input Channel

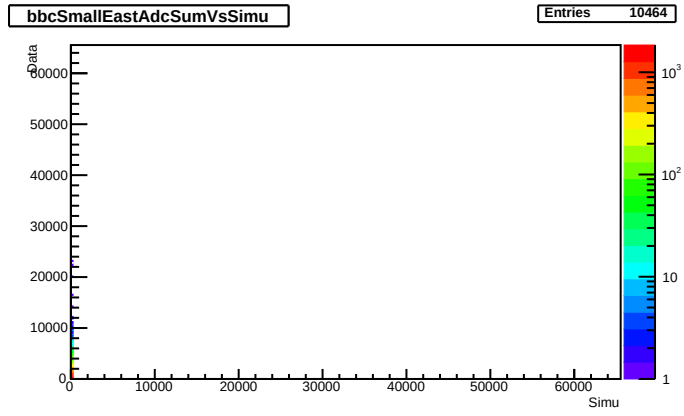

EQ3 QTB
Entries 3534848
ADC
QT Input Channel

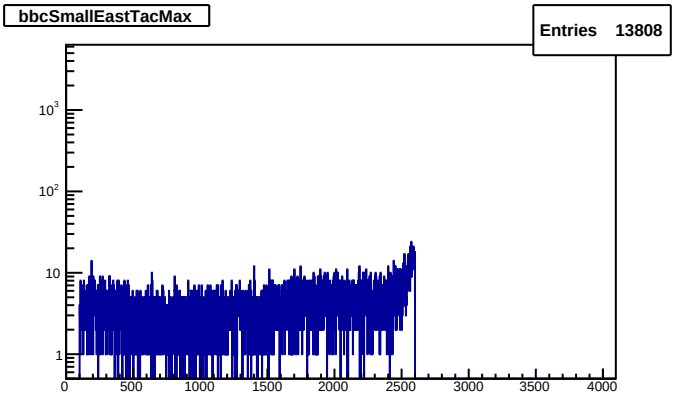

EQ3 QTB
Entries 1036724
TDC
QT Input Channel

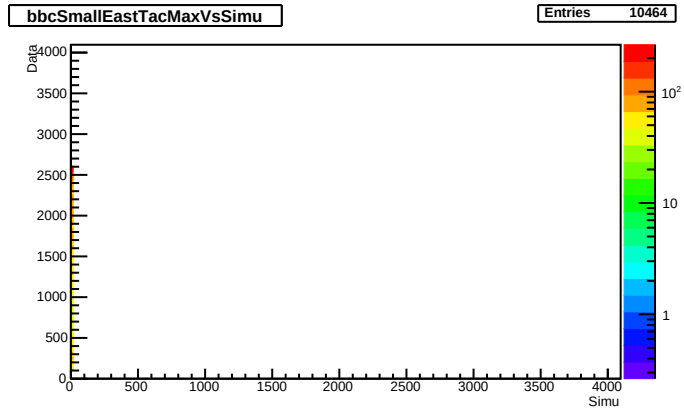

EQ3 QTC
Entries 1325568
ADC
QT Input Channel

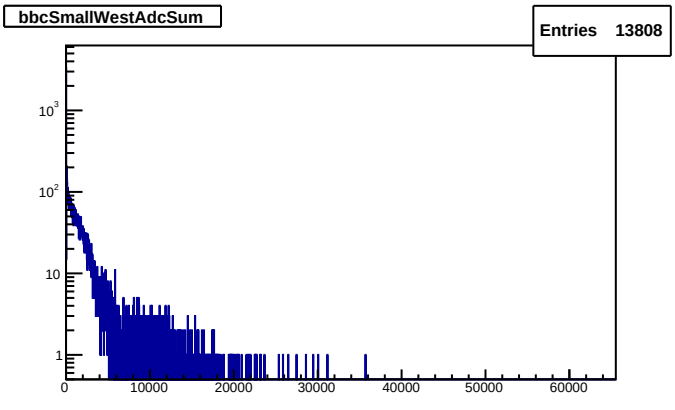

EQ3 QTC
Entries 1325568
TADC
QT Input Channel

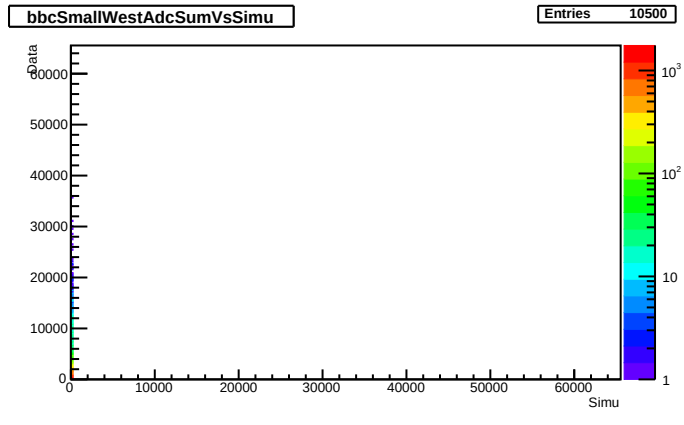

bbcSmallEastAdcSum
Entries 13808

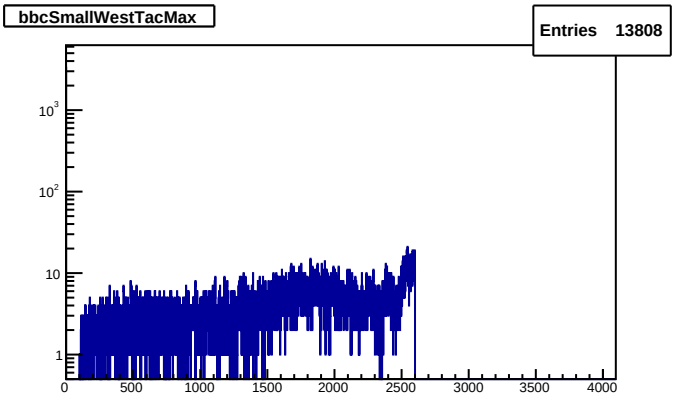

bbcSmallEastAdcSumVsSimu
Entries 10464
Data
Simu

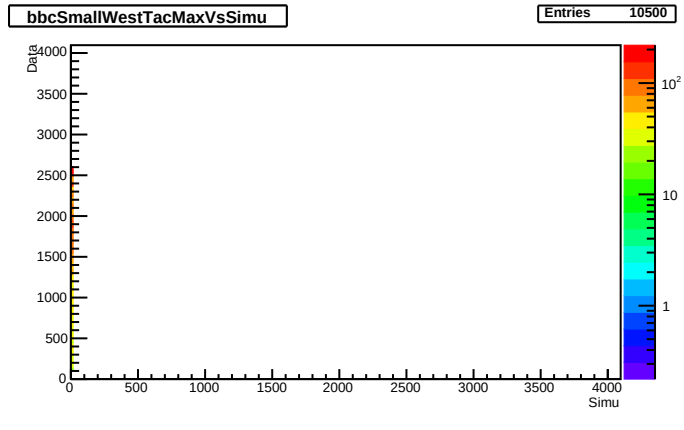

bbcSmallEastTacMax
Entries 13808

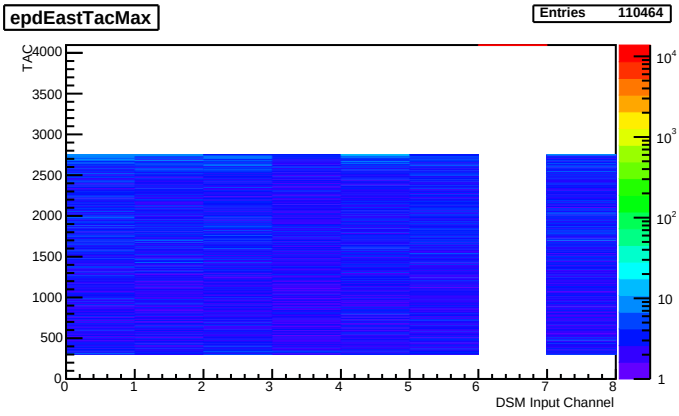

bbcSmallEastTacMaxVsSimu
Entries 10464
Data
Simu

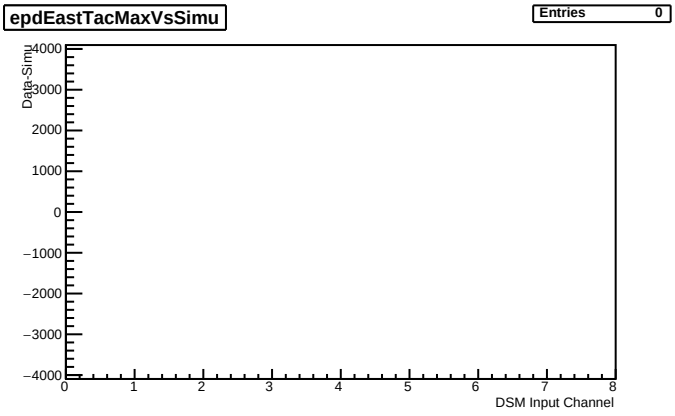

bbcSmallWestAdcSum
Entries 13808

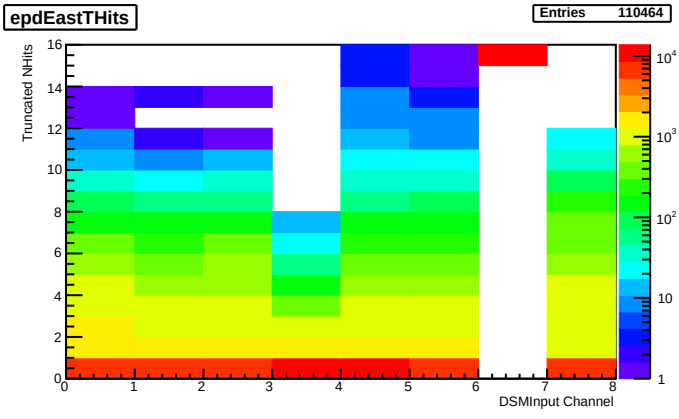

bbcSmallWestAdcSumVsSimu
Entries 10500
Data
Simu

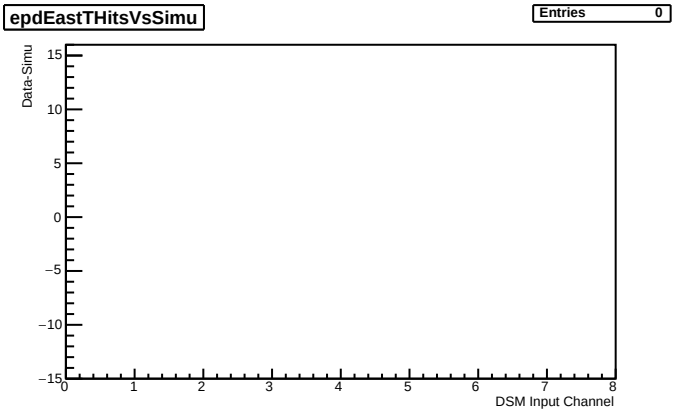

bbcSmallWestTacMax
Entries 13808

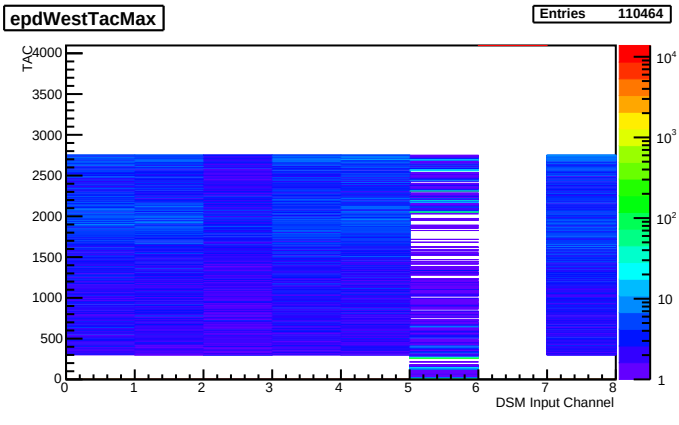

bbcSmallWestTacMaxVsSimu
Entries 10500
Data
Simu

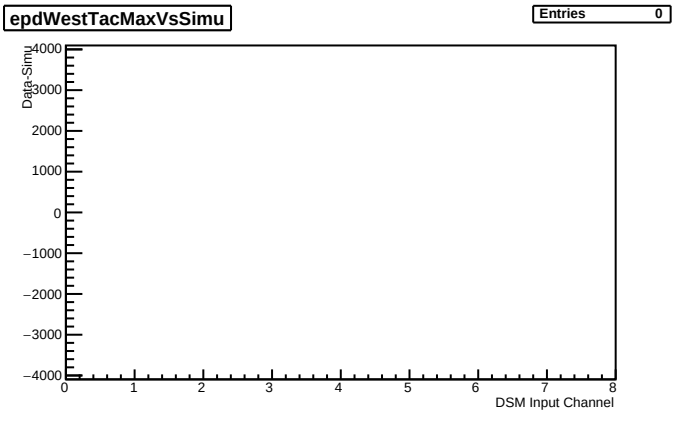

epdEastTacMax
Entries 110464
TAC
DSM Input Channel

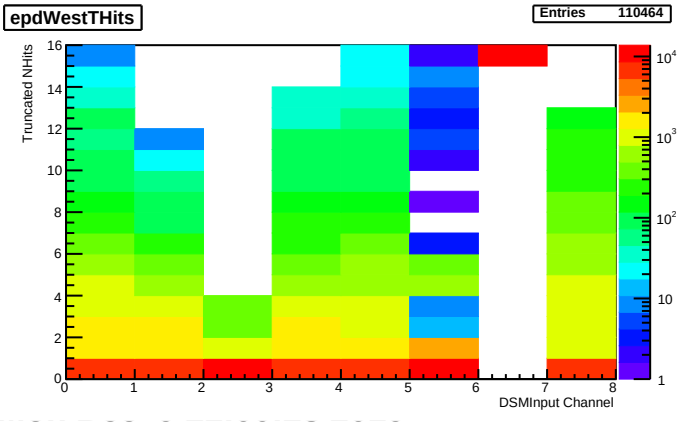

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

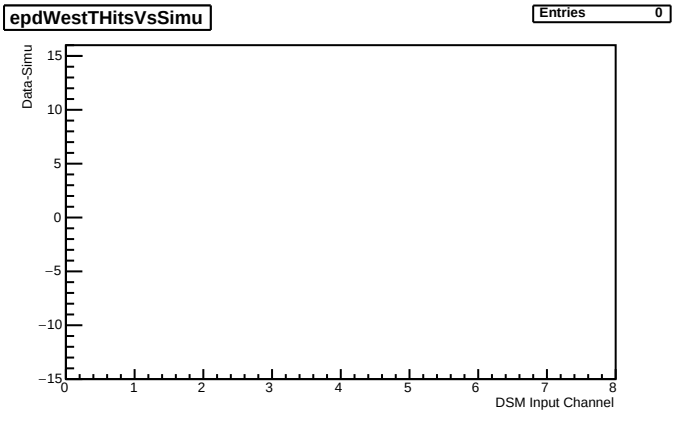

epdEastTHits
Entries 110464
Truncated NHits
DSMInput Channel

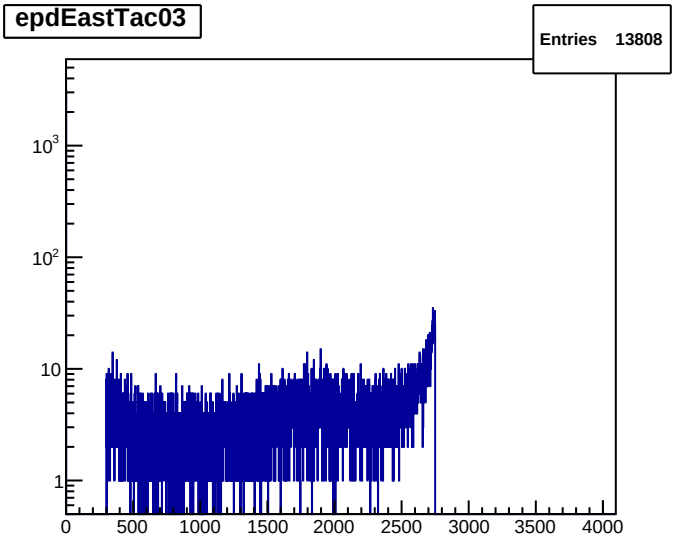

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

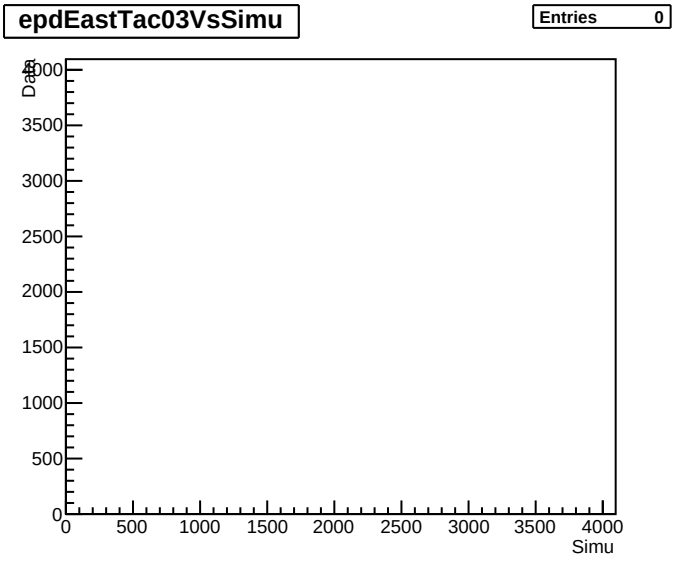

epdWestTacMax
Entries 110464
TAC
DSM Input Channel

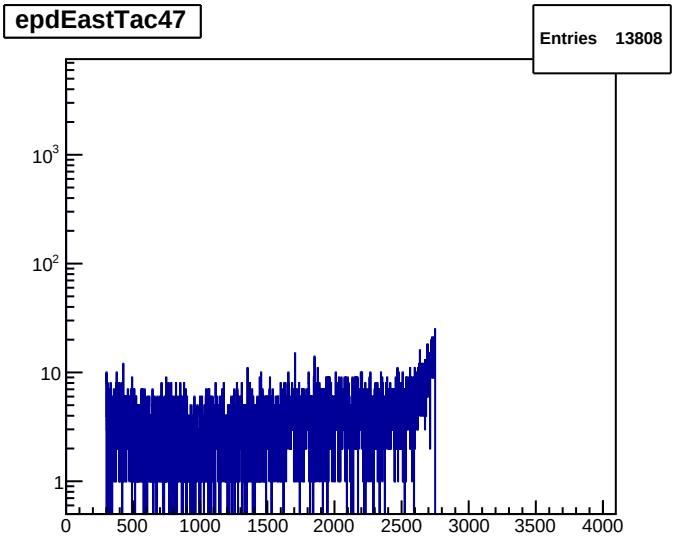

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

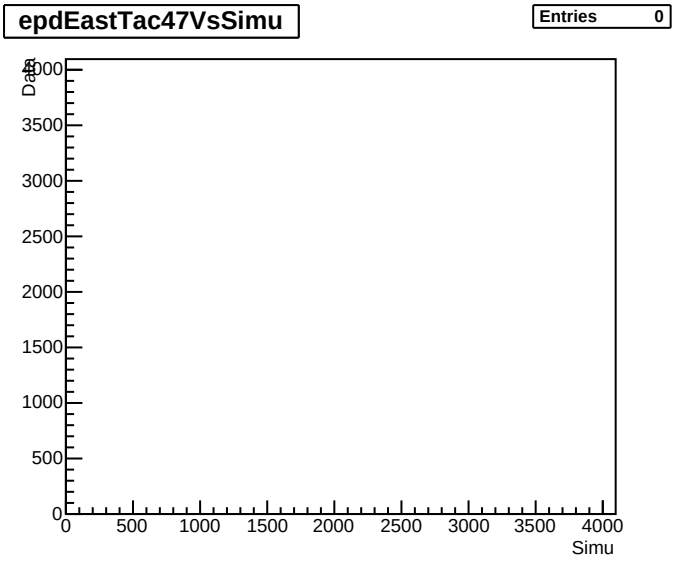

epdWestTHits
Entries 110464
Truncated NHits
DSMInput Channel

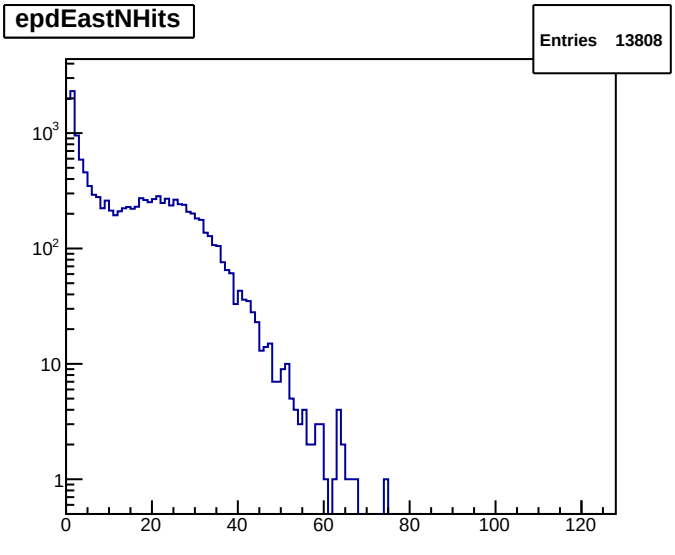

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

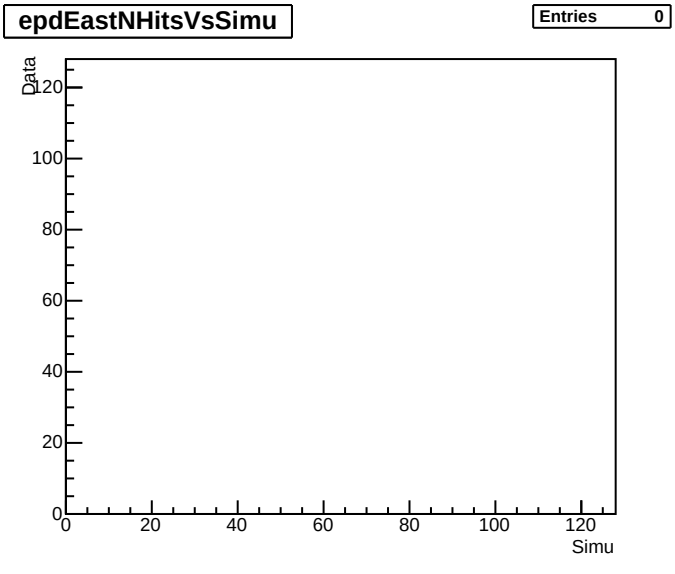

epdEastTac03
Entries 13808

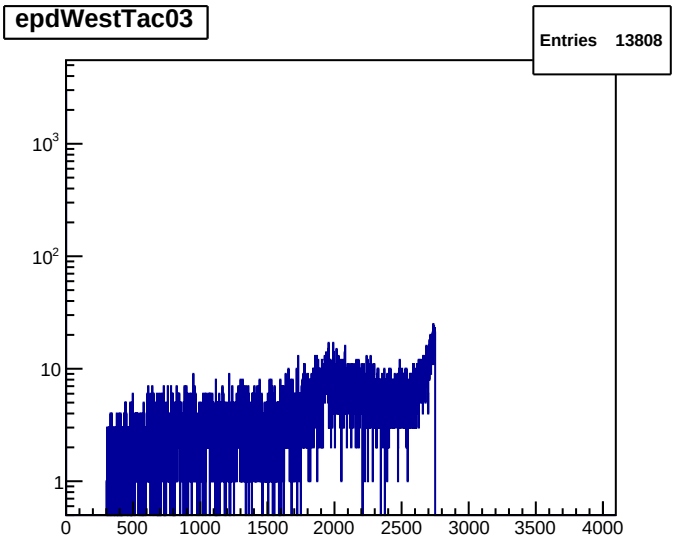

epdEastTac03VsSimu
Entries 0
Data
Simu

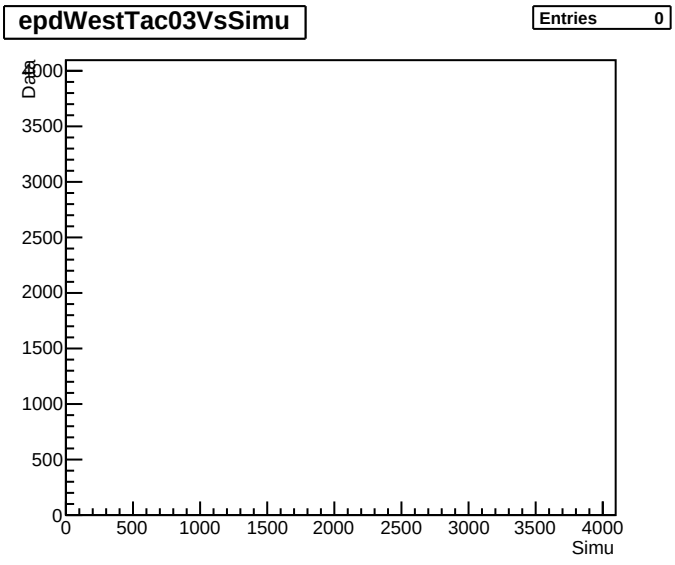

epdEastTac47
Entries 13808

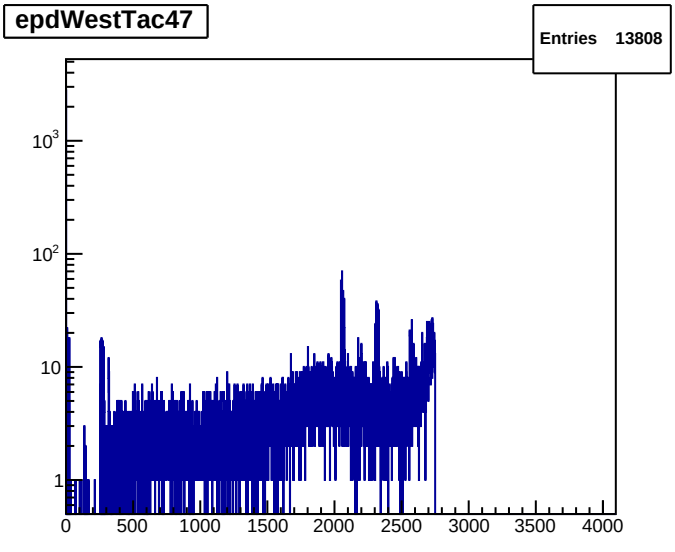

epdEastTac47VsSimu
Entries 0
Data
Simu

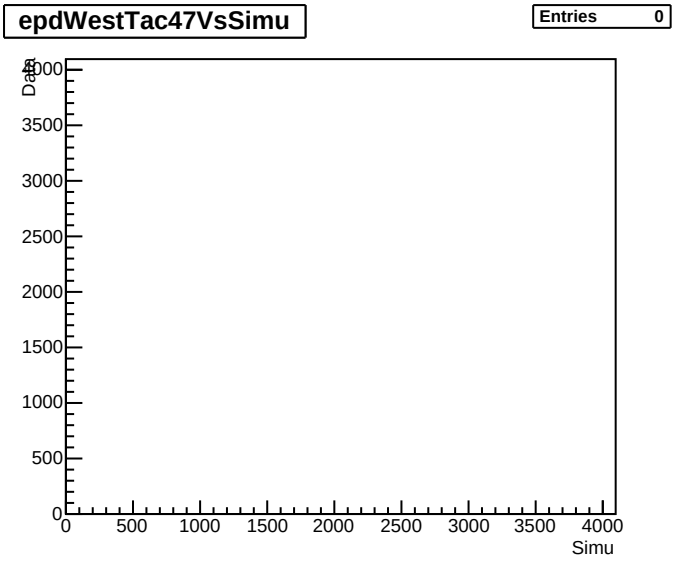

epdEastNHits
Entries 13808

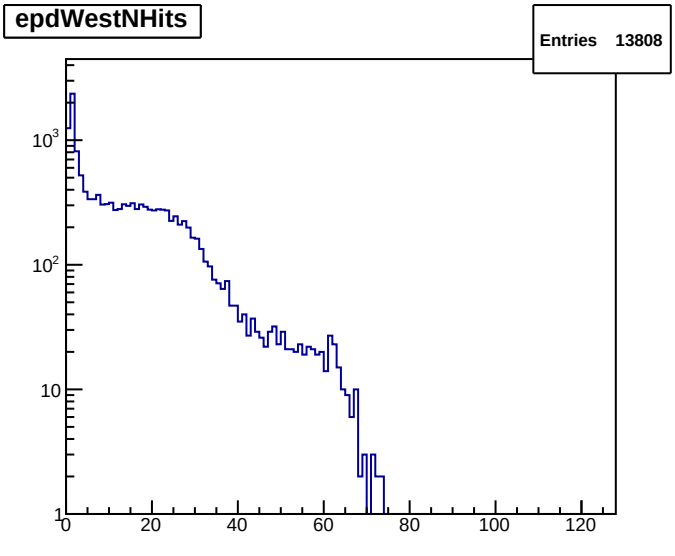

epdEastNHitsVsSimu
Entries 0
Data
Simu

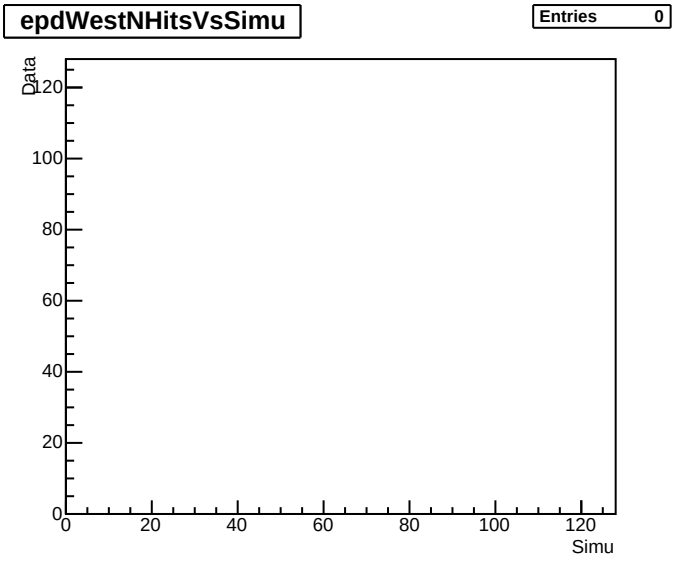

epdWestTac03
Entries 13808
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

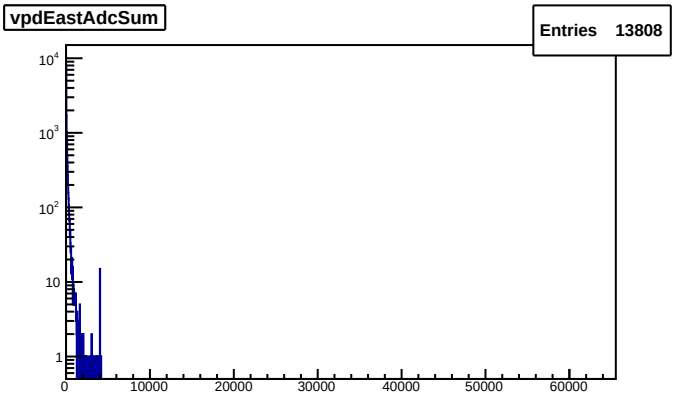

epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

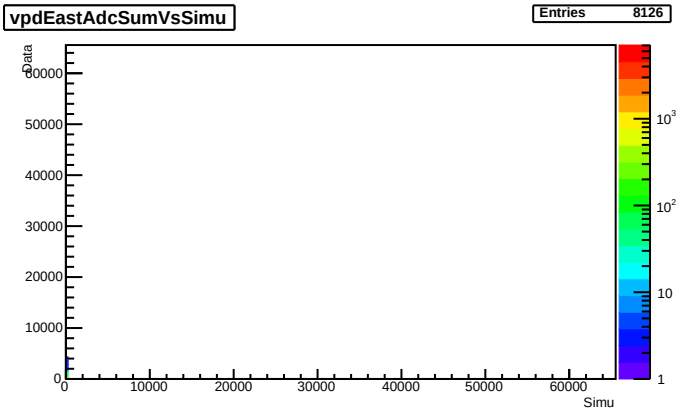

epdWestTac47
Entries 13808
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

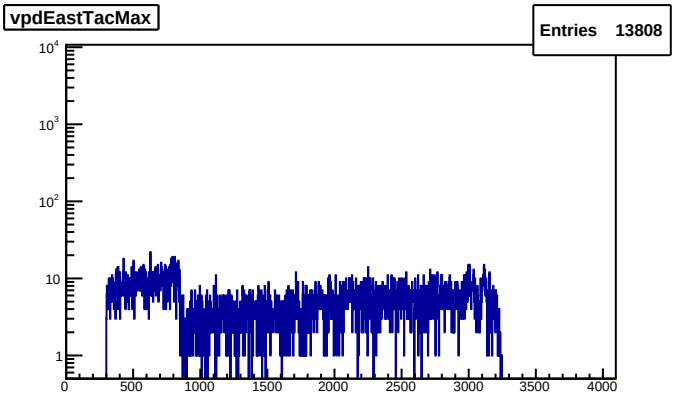

epdWestTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

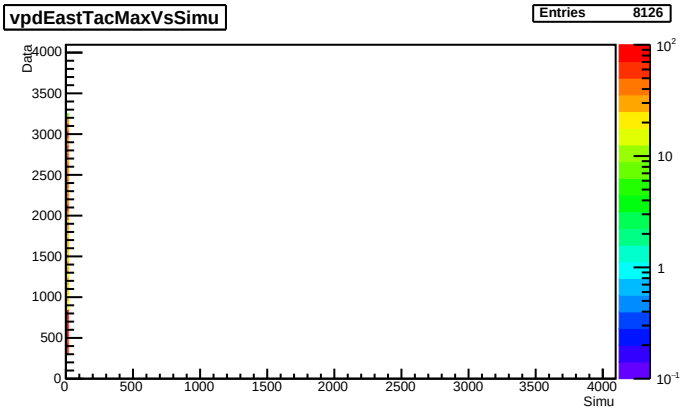

epdWestNHits
Entries 13808
10^3
10^2
10
1
0 20 40 60 80 100 120

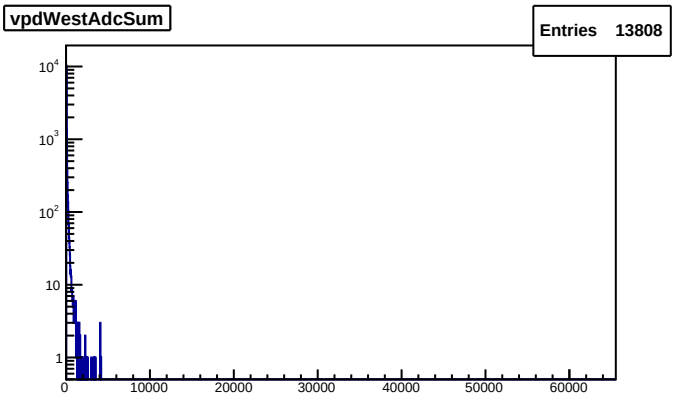

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

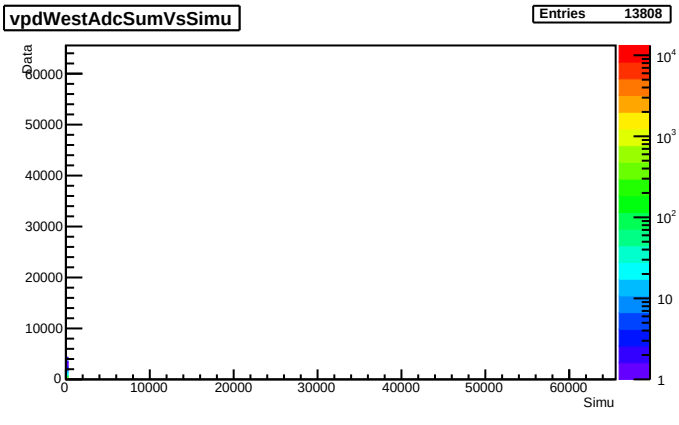

vpdEastAdcSum
Entries 13808

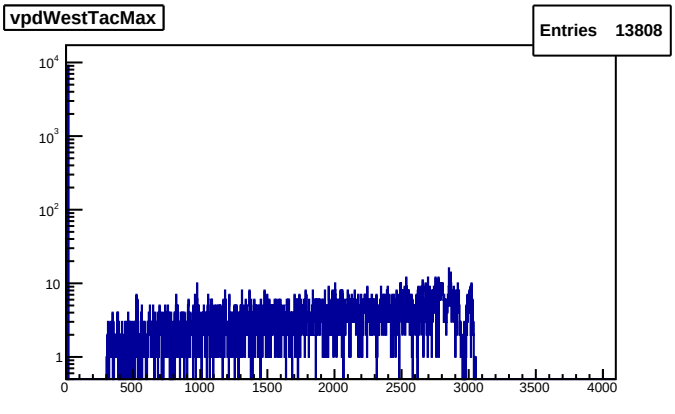

vpdEastAdcSumVsSimu
Entries 8126
Data
Simu

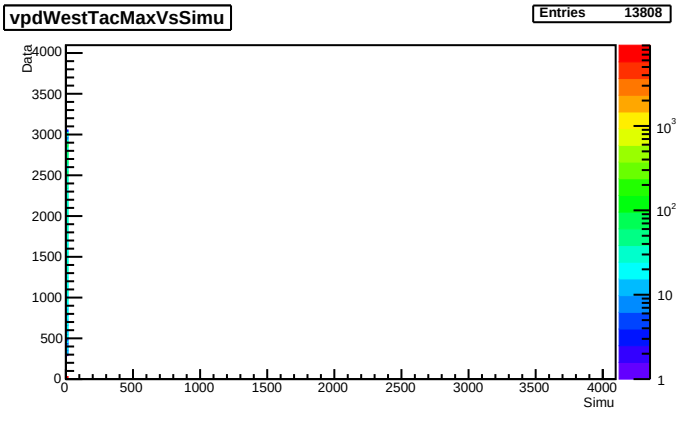

vpdEastTacMax
Entries 13808

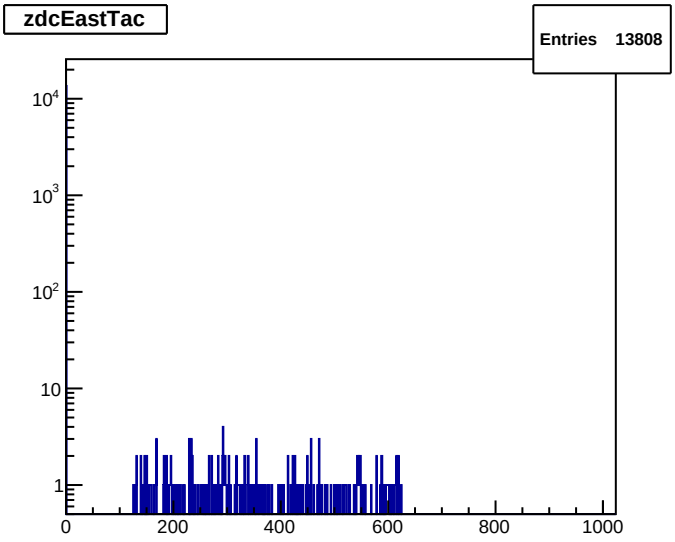

vpdEastTacMaxVsSimu
Entries 8126
Data
Simu

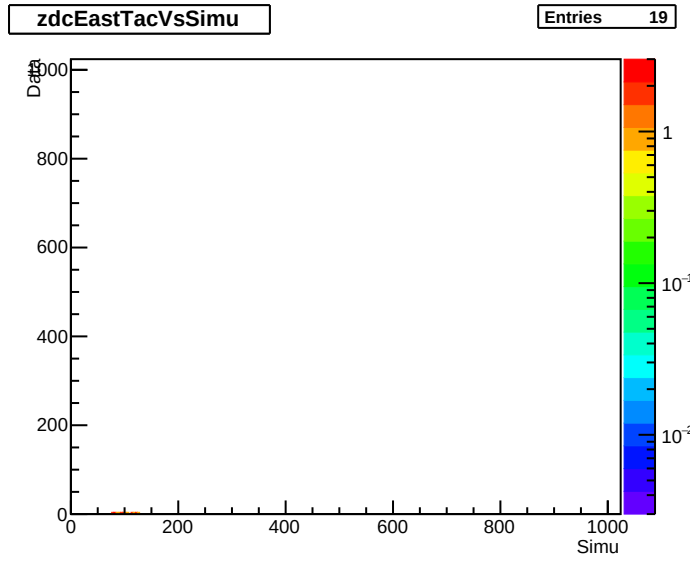

vpdWestAdcSum
Entries 13808

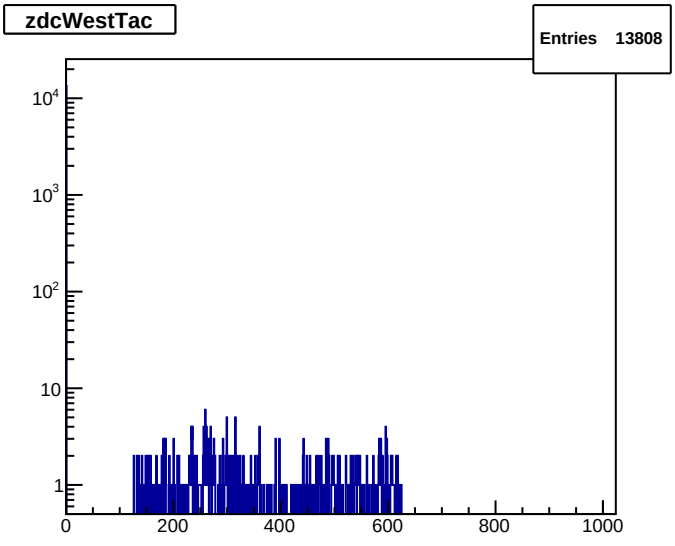

vpdWestAdcSumVsSimu
Entries 13808
Data
Simu

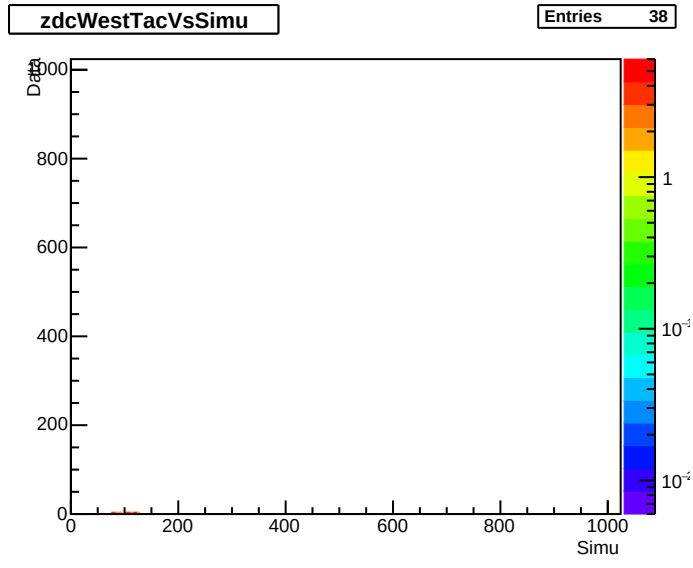

vpdWestTacMax
Entries 13808

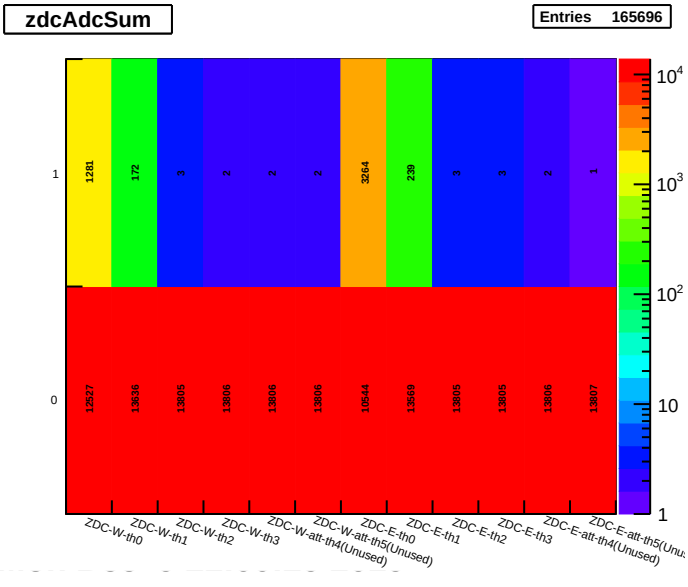

vpdWestTacMaxVsSimu
Entries 13808
Data
Simu

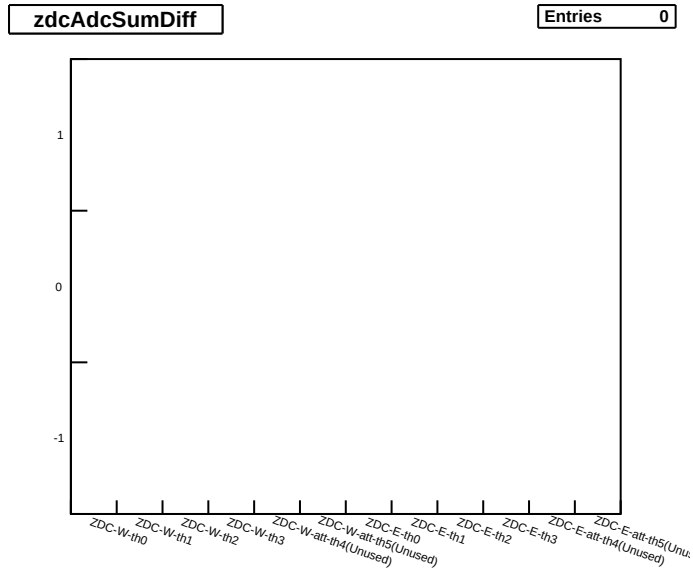

zdcEastTac
Entries 13808

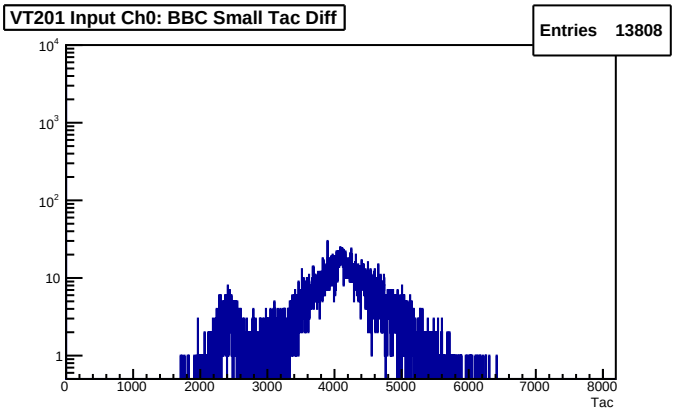

zdcEastTacVsSimu
Entries 19
Data
Simu

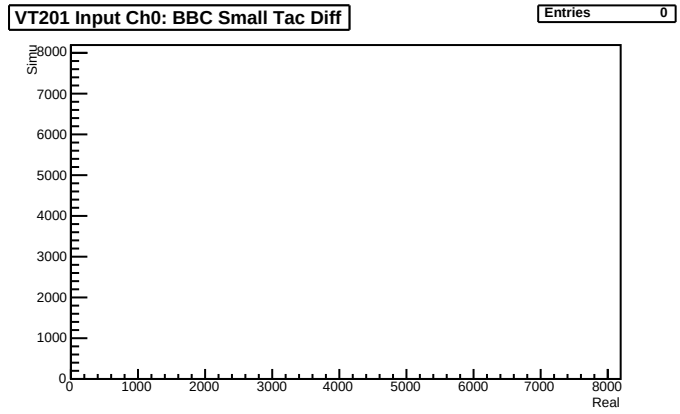

zdcWestTac
Entries 13808

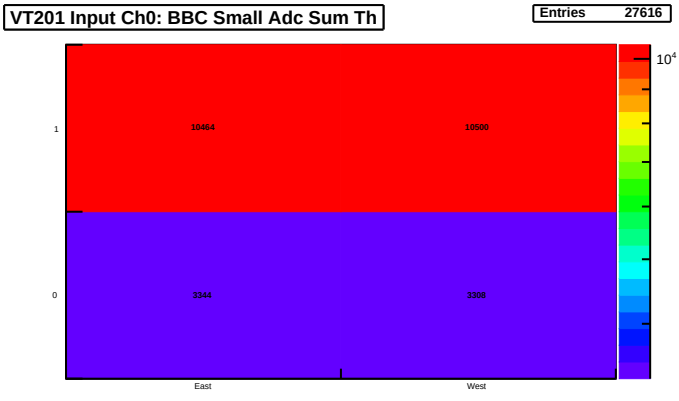

zdcWestTacVsSimu
Entries 38
Data
Simu

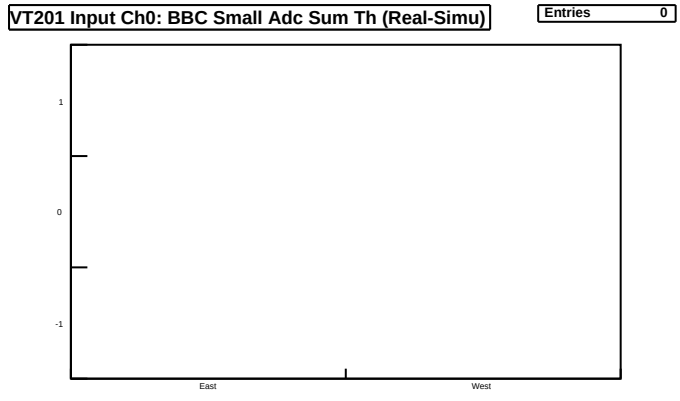

zdcAdcSum
Entries 165696
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

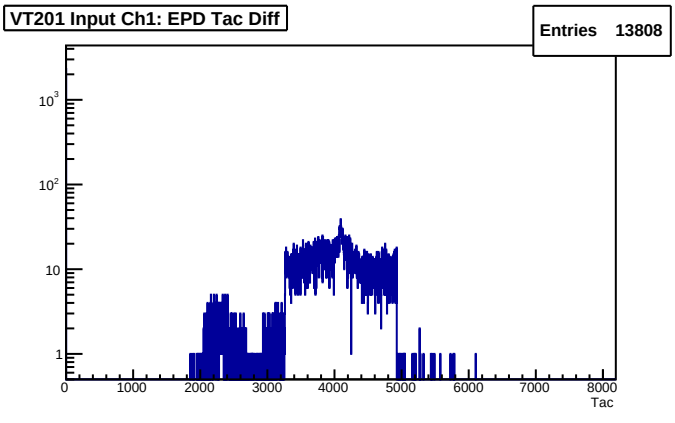

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

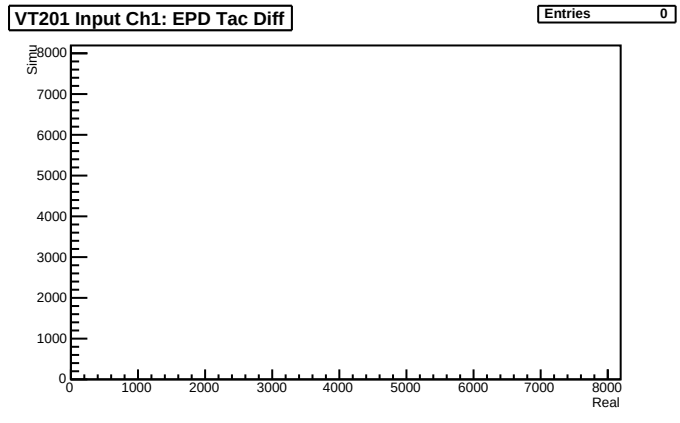

VT201 Input Ch0: BBC Small Tac Diff
Entries 13808
Tac

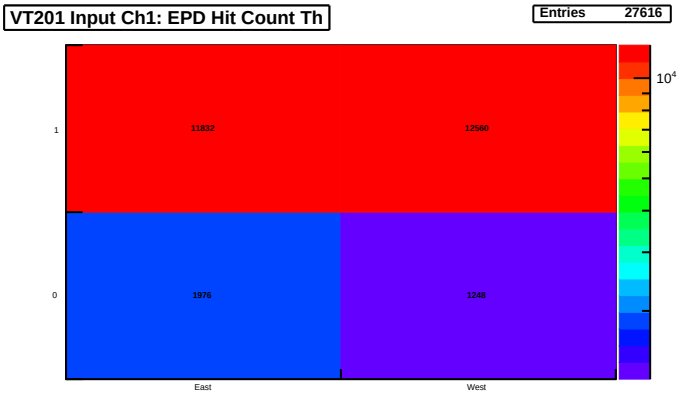

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

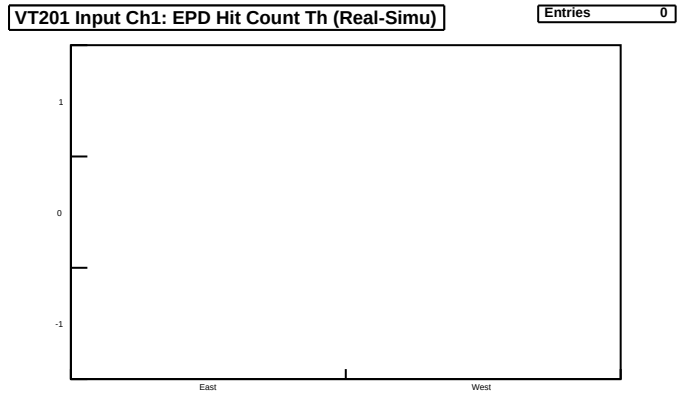

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 27616
10464
10500
3344
3308
East
West

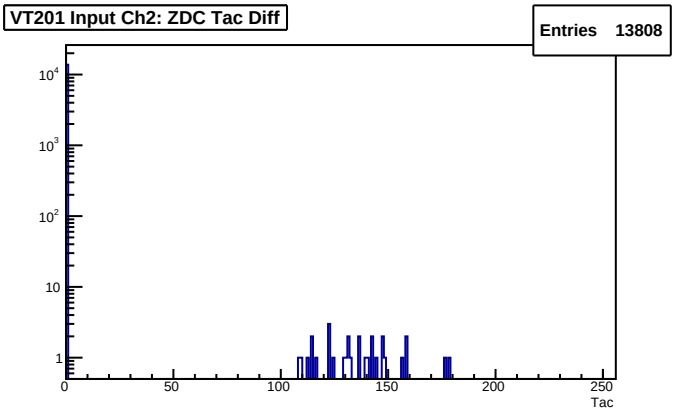

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

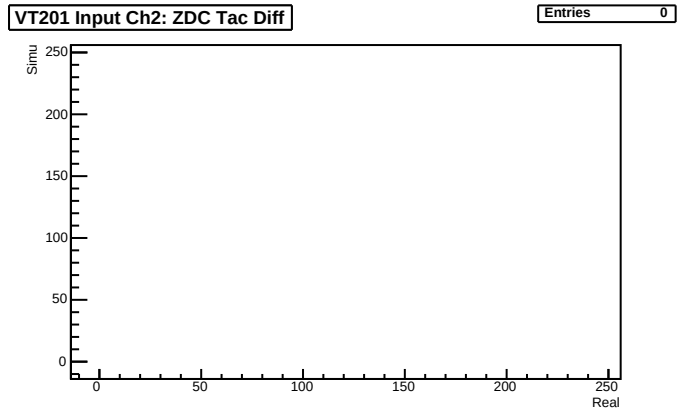

VT201 Input Ch1: EPD Tac Diff
Entries 13808
Tac

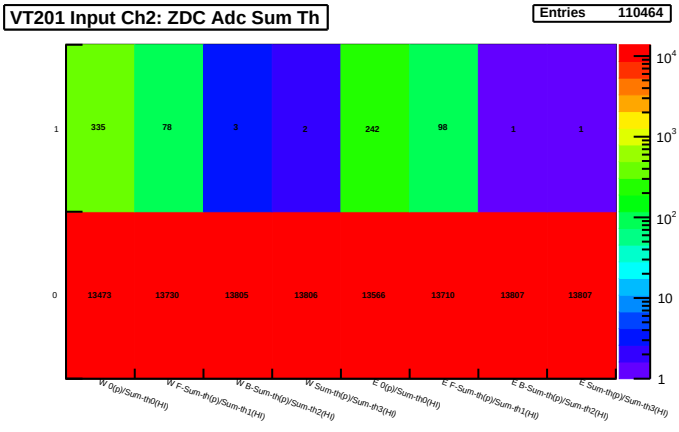

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

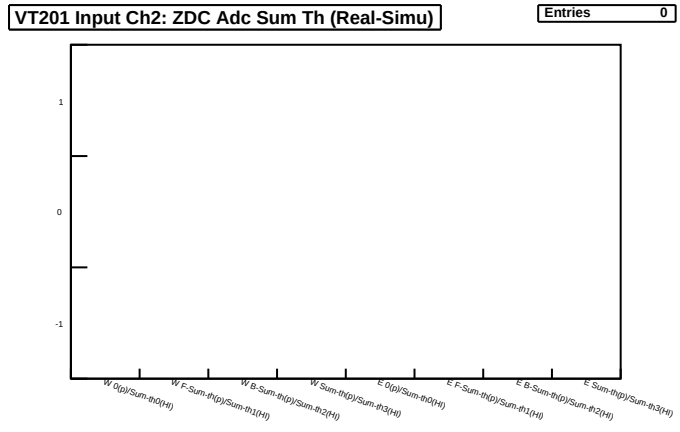

VT201 Input Ch1: EPD Hit Count Th
Entries 27616
11832
12560
1976
1248
East
West

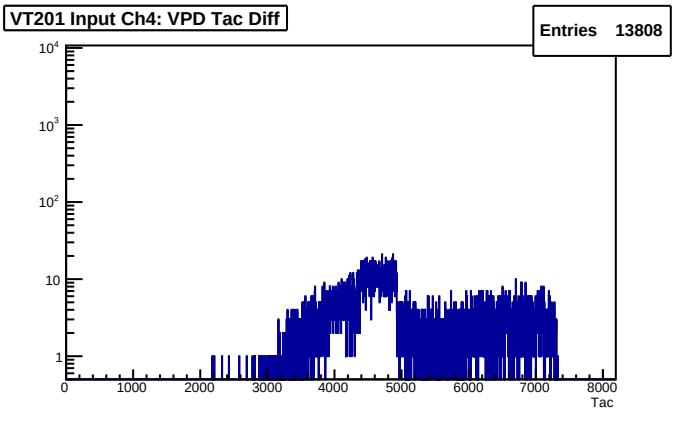

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

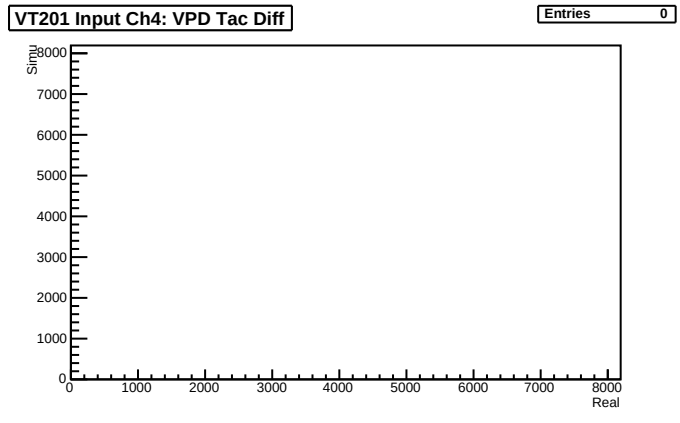

VT201 Input Ch2: ZDC Tac Diff
Entries 13808
Tac

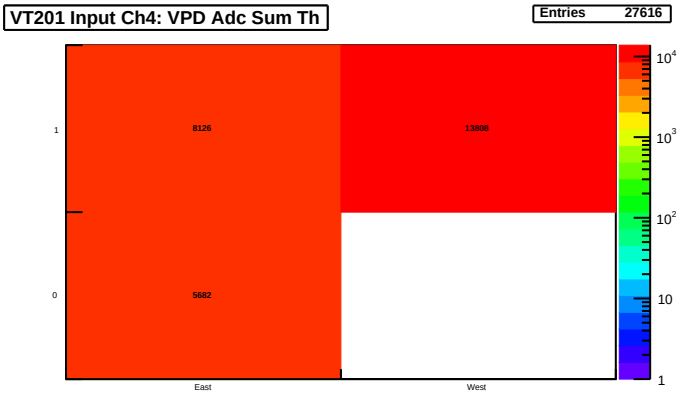

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

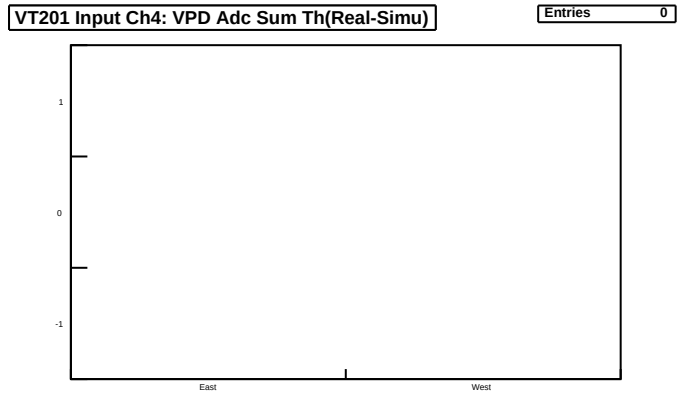

VT201 Input Ch2: ZDC Adc Sum Th
Entries 110464
335
78
3
2
242
98
1
1
13473
13730
13805
13806
13566
13710
13807
13807
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

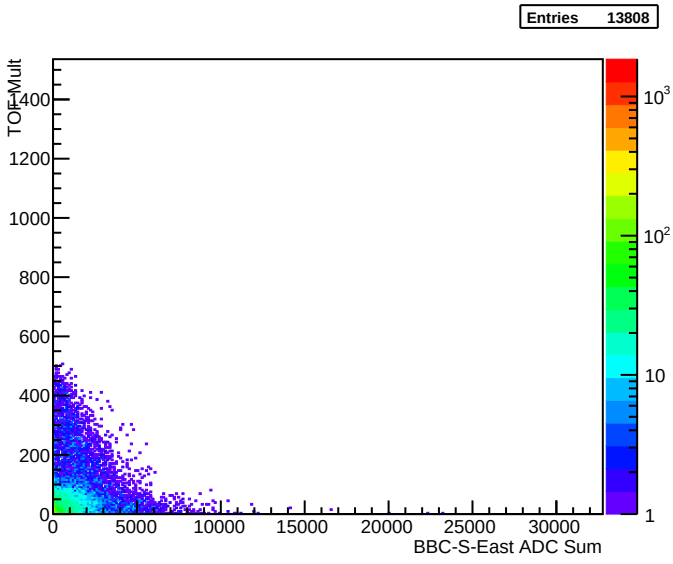

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

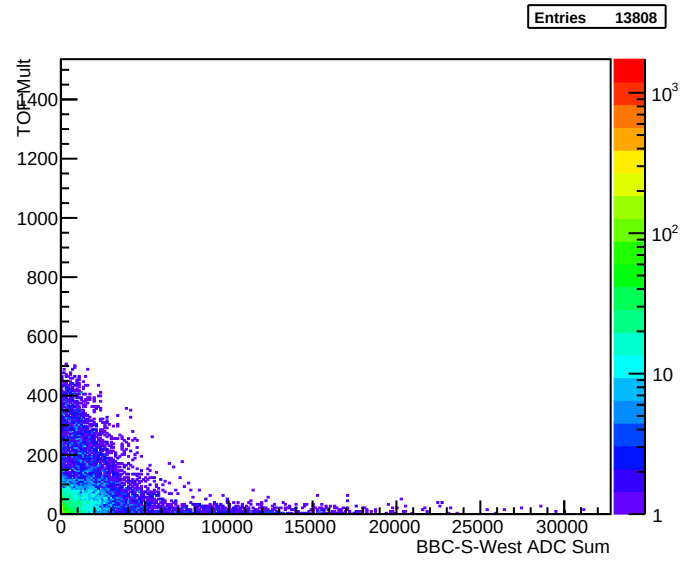

VT201 Input Ch4: VPD Tac Diff
Entries 13808
Tac

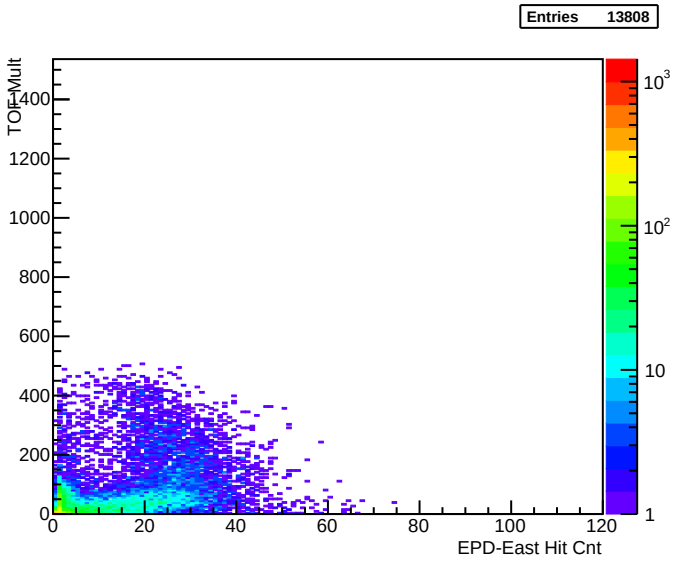

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

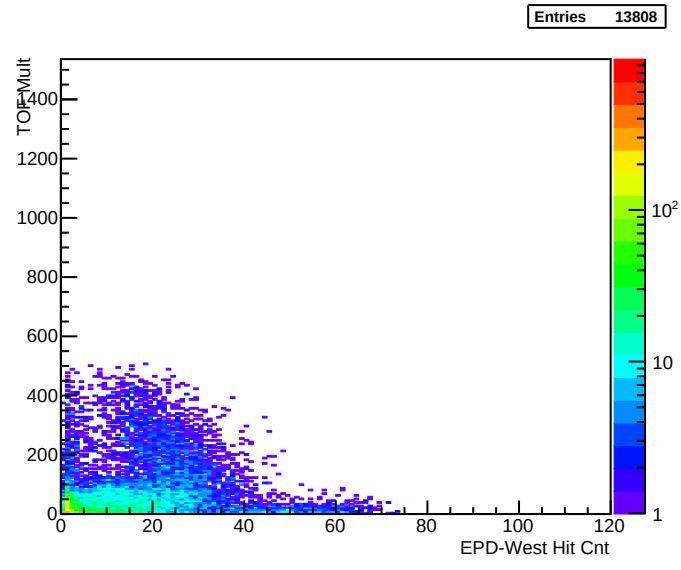

VT201 Input Ch4: VPD Adc Sum Th
Entries 27616
8126
13808
5682
East
West

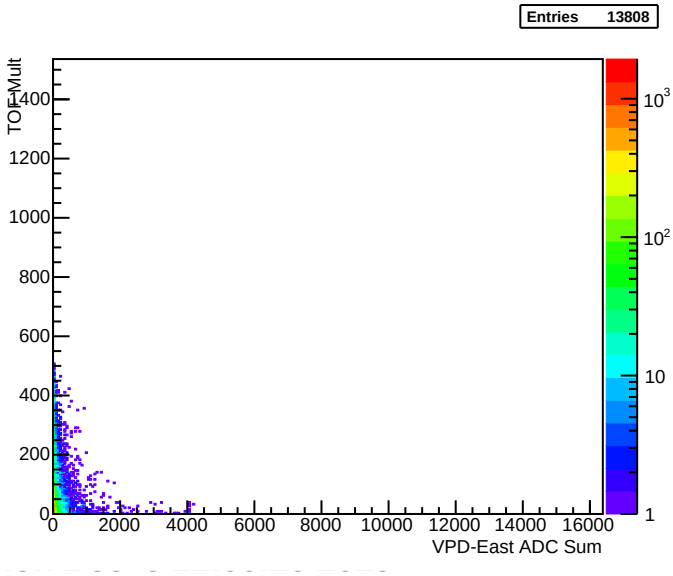

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

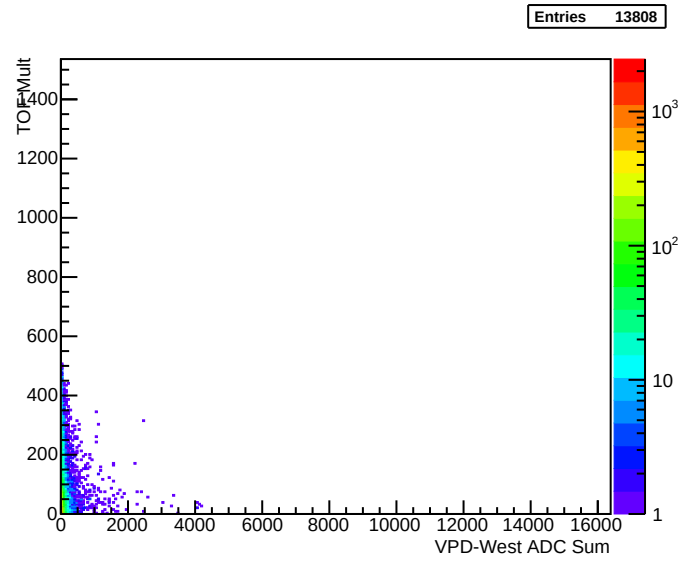

Entries 13808
TOF-Mult
BBC-S-East ADC Sum

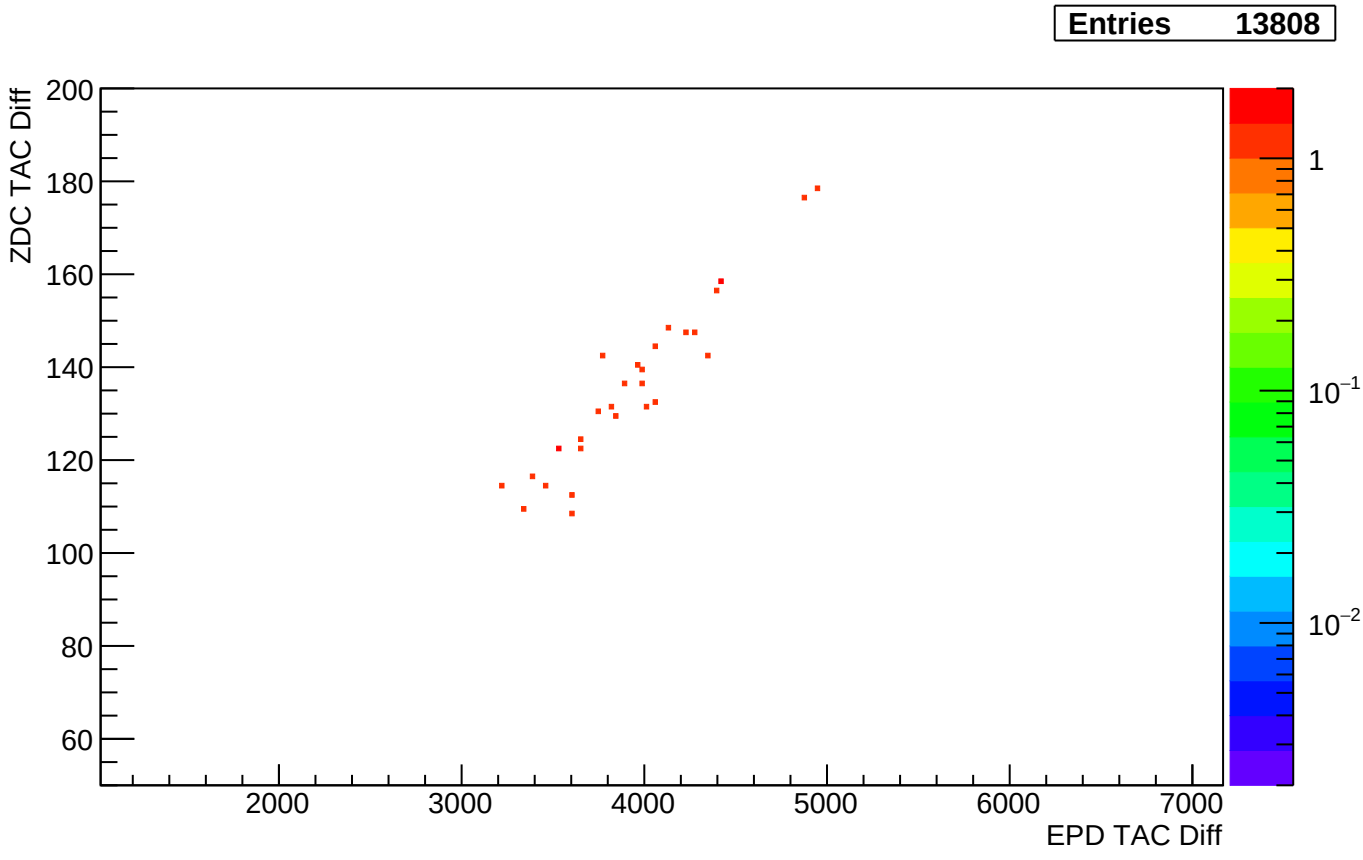

Entries 13808
TOF-Mult
BBC-S-West ADC Sum

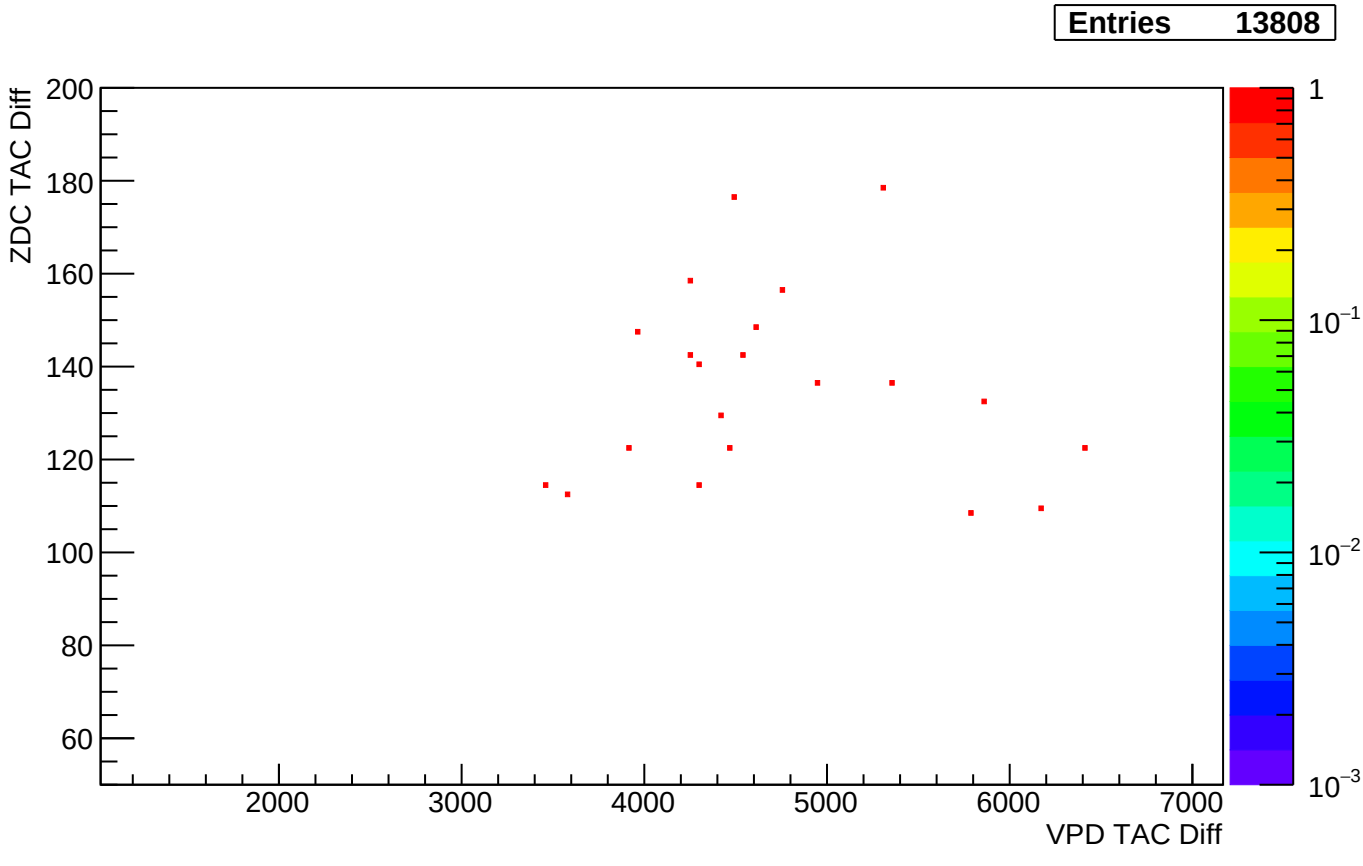

Entries 13808
TOF-Mult
EPD-East Hit Cnt

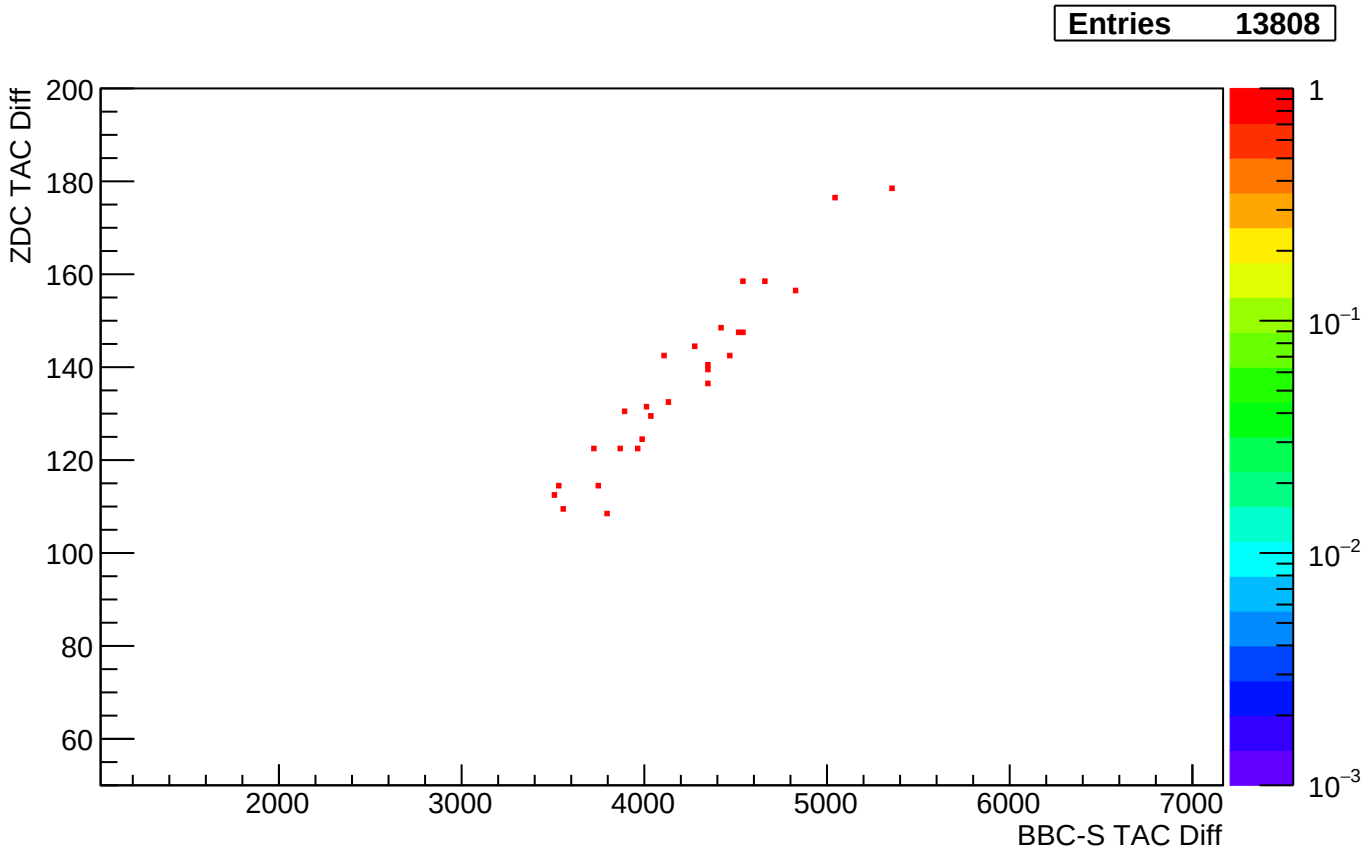

Entries 13808
TOF-Mult
EPD-West Hit Cnt

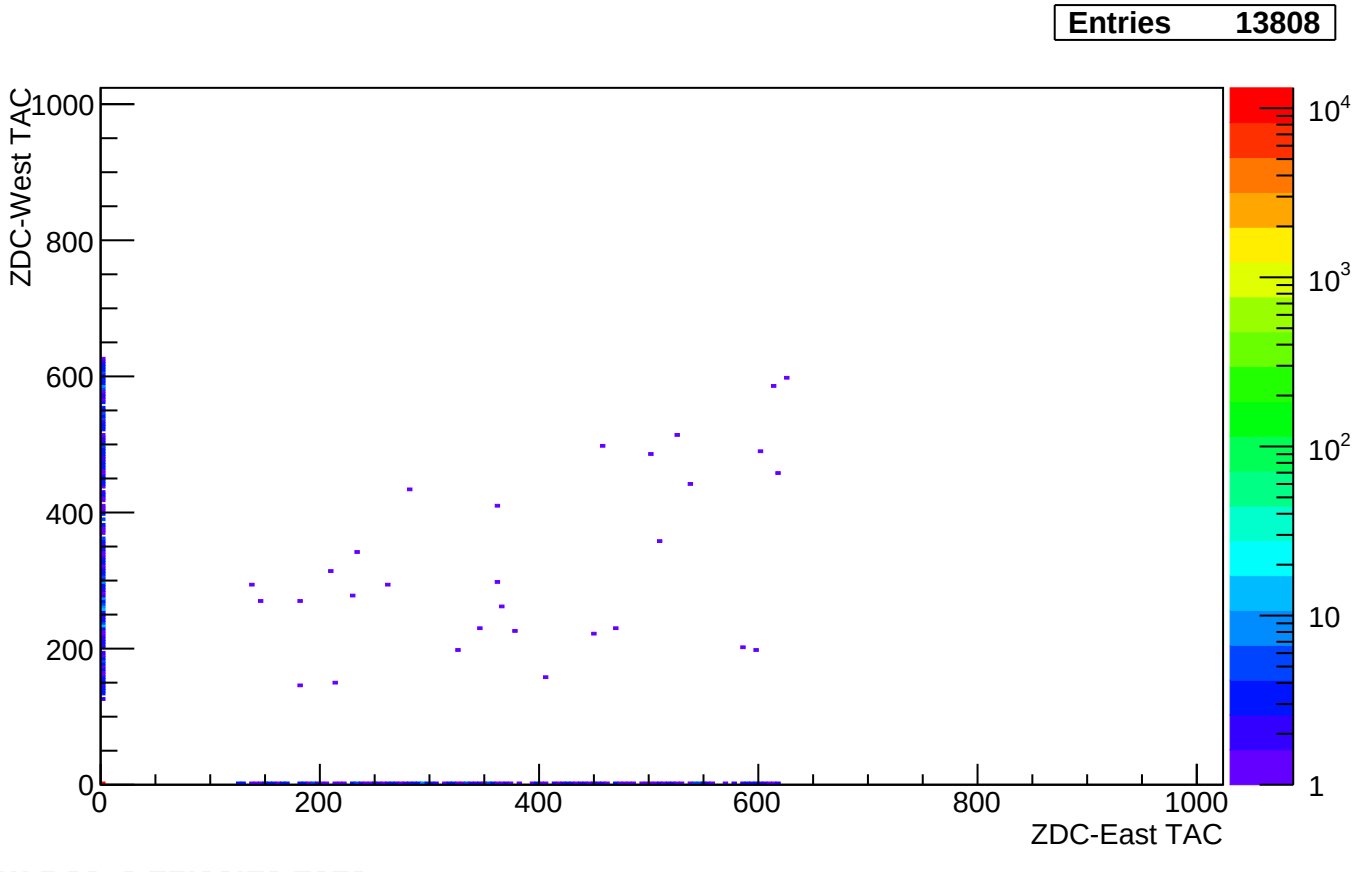

Entries 13808
TOF-Mult
VPD-East ADC Sum

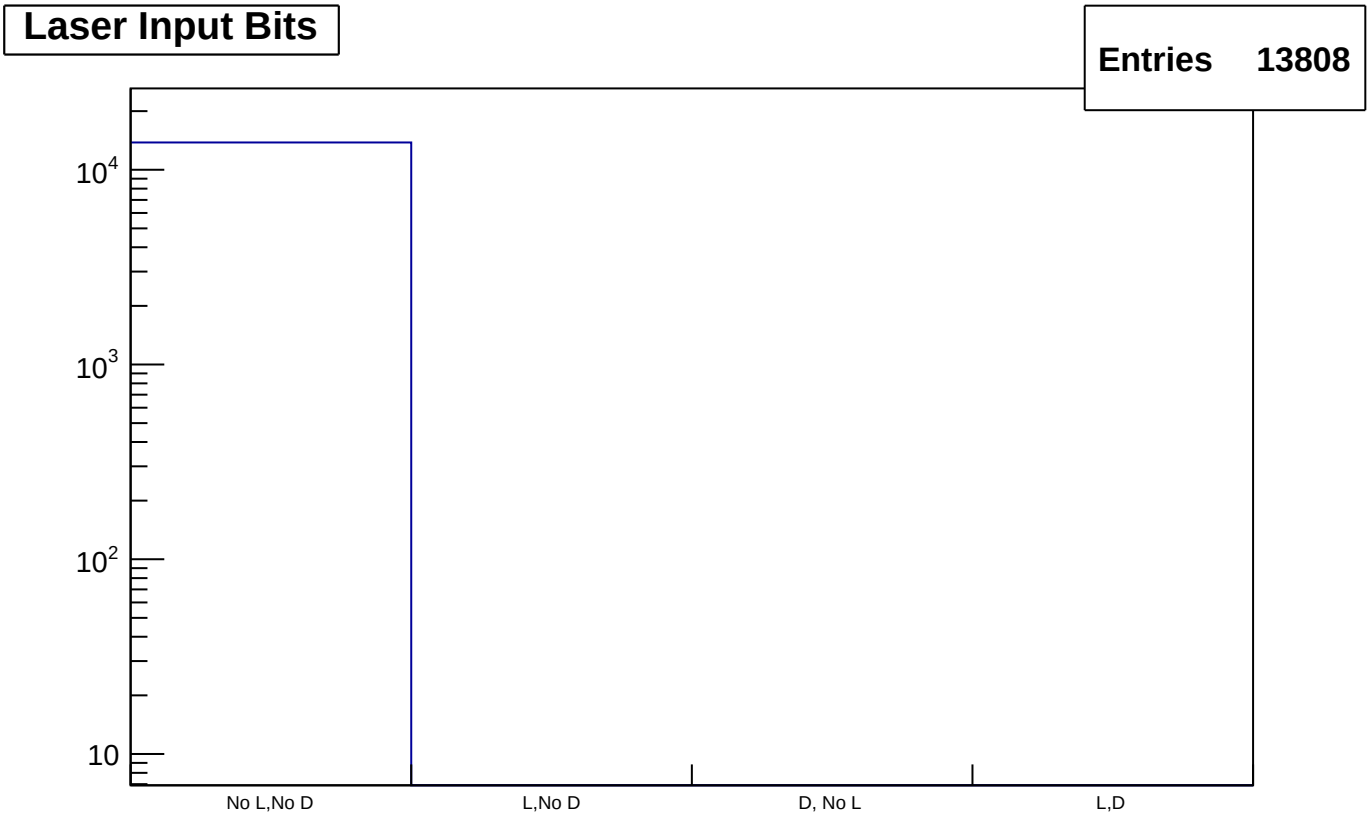

Entries 13808
TOF-Mult
VPD-West ADC Sum

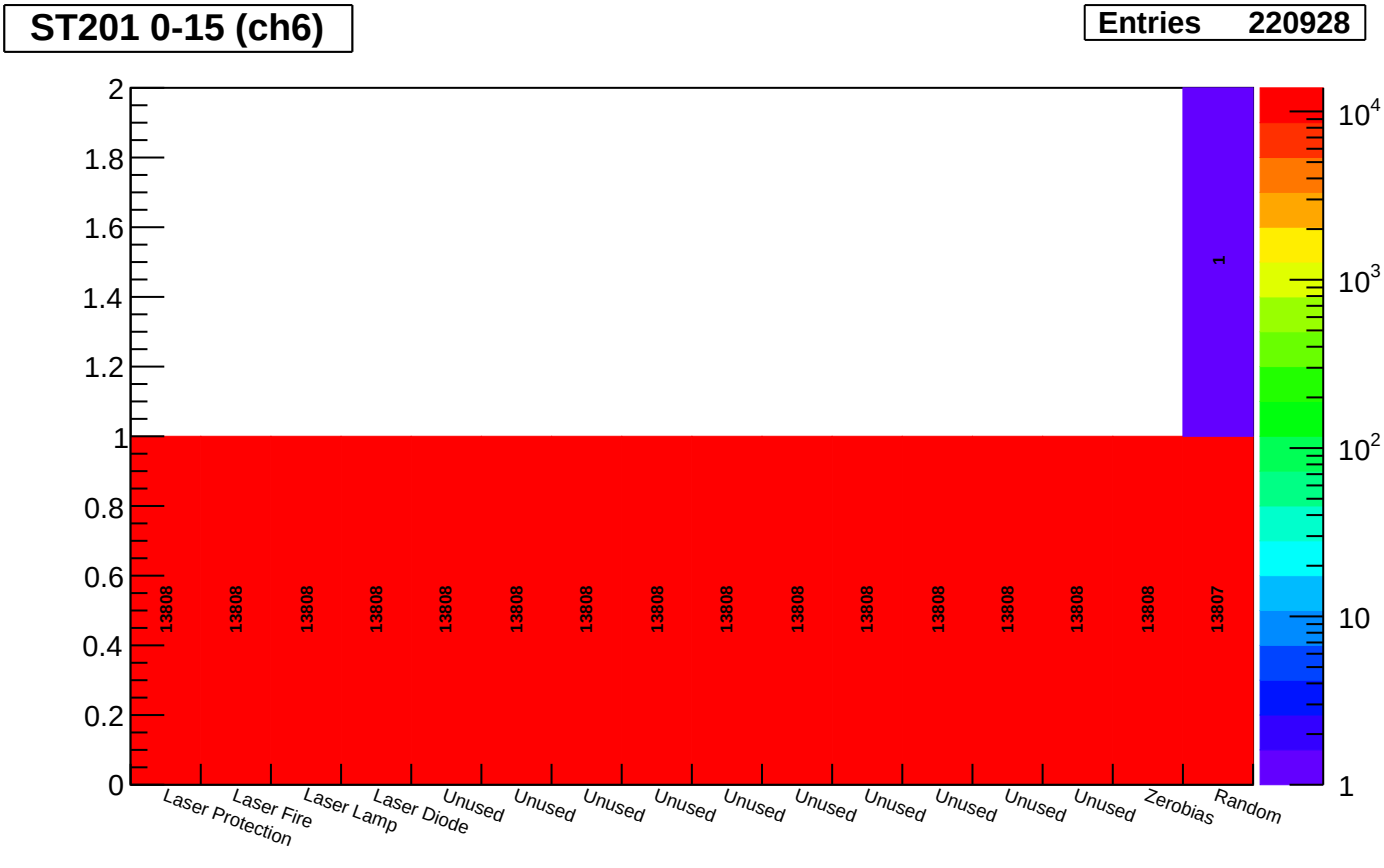

Entries 13808
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

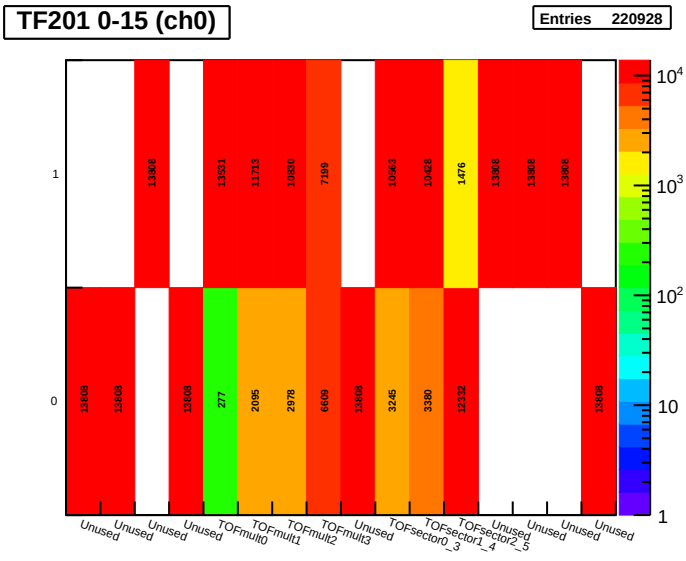

Entries 13808
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

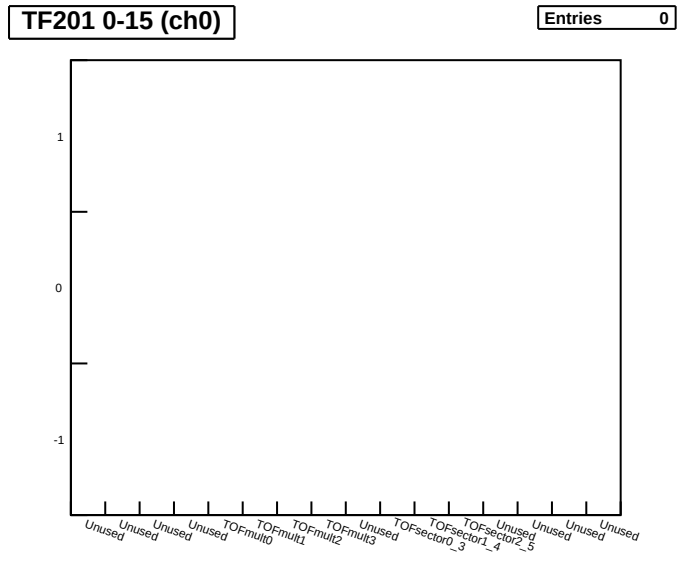

Entries 13808
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

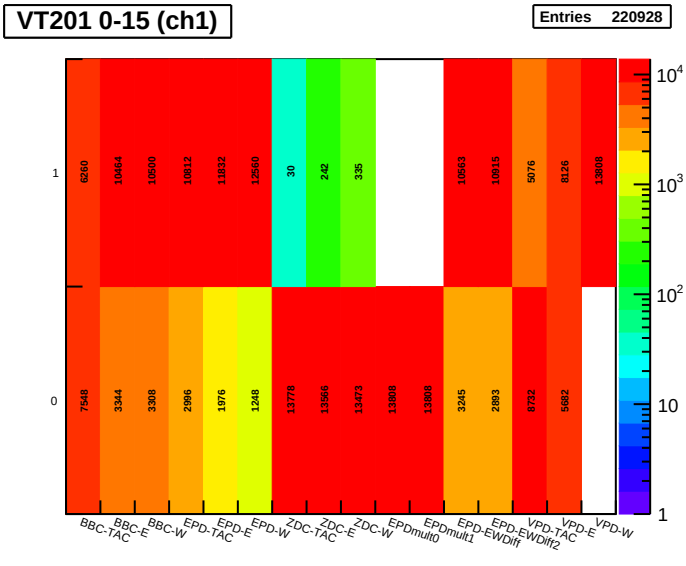

Entries 13808
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

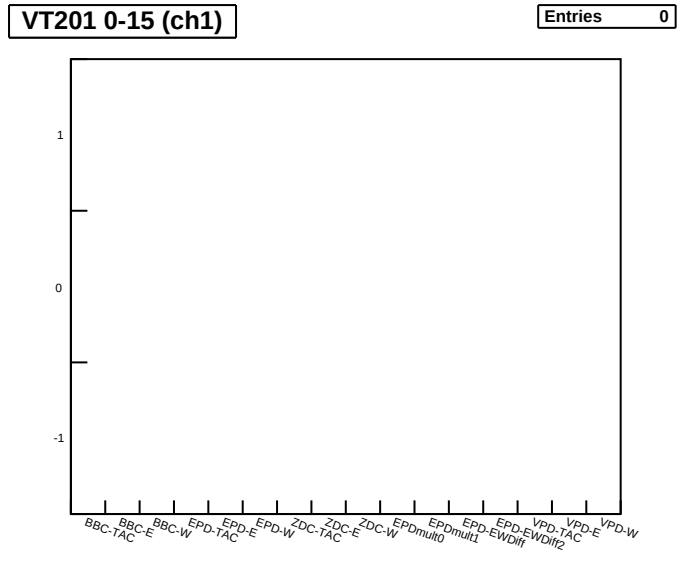

Laser Input Bits
Entries 13808
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

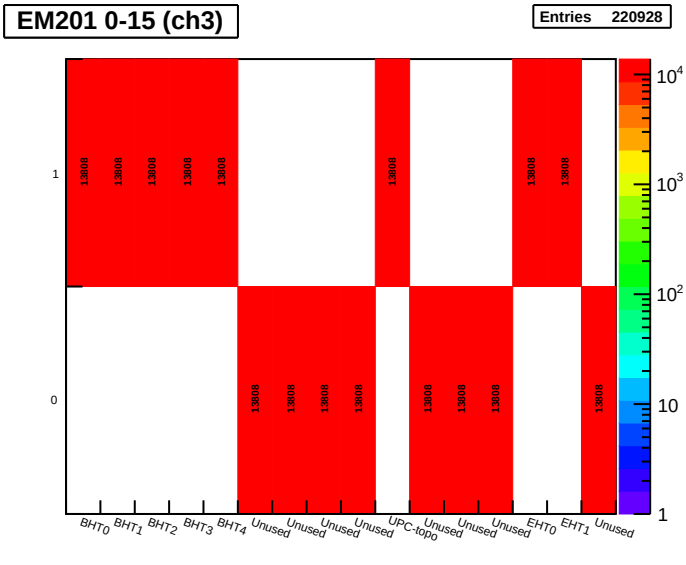

ST201 0-15 (ch6)
Entries 220928
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13808
13808
13808
13808
13808
13808
13808
13808
13808
13808
13808
13808
13808
13808
13808
13807
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

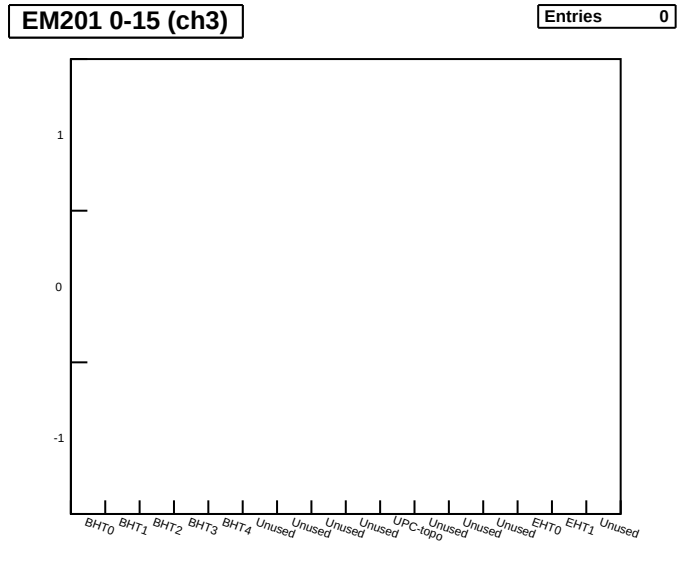

TF201 0-15 (ch0)
Entries 220928
1
0
13808 13531 11713 10820 7199 10563 10428 1476 13808 13808 13808
13808 13808 13808 277 2095 2978 6609 13808 3245 3380 12332 13808
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^4 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 220928
1
0
6260 10464 10500 10812 11832 12560 30 242 335 10563 10915 5076 8126 13808
7548 3344 3308 2996 1976 1248 13778 13566 13473 13808 13808 3245 2893 8732 5682
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 220928
1
0
13808 13808 13808 13808 13808 13808 13808 13808 13808
13808 13808 13808 13808 13808 13808 13808 13808
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