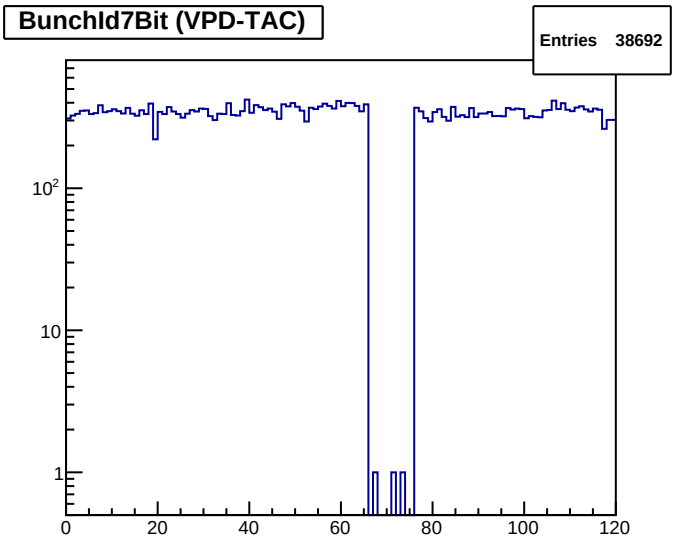
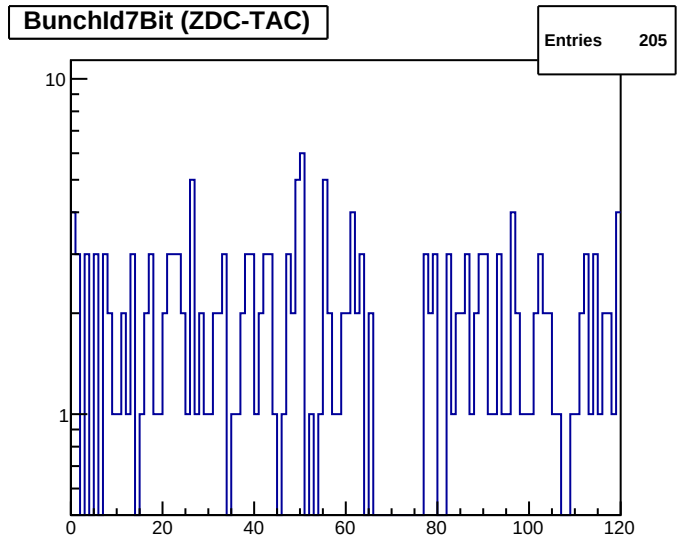
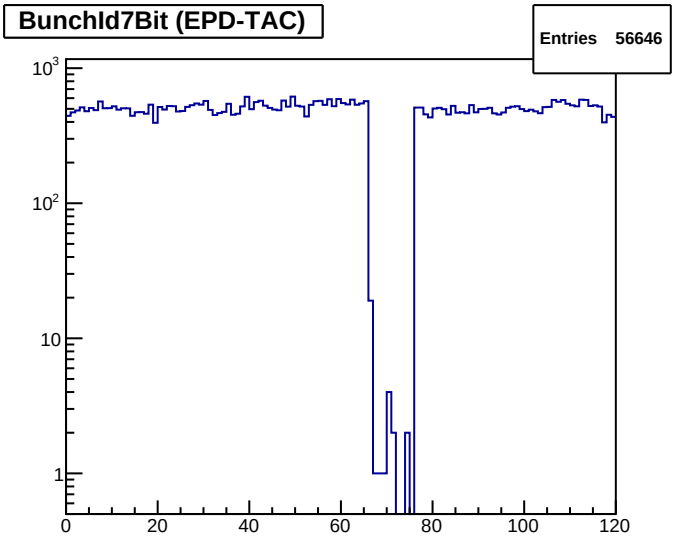
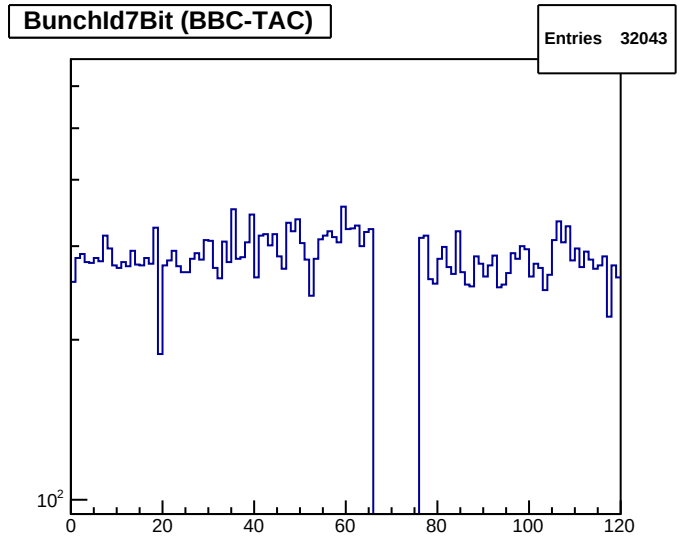
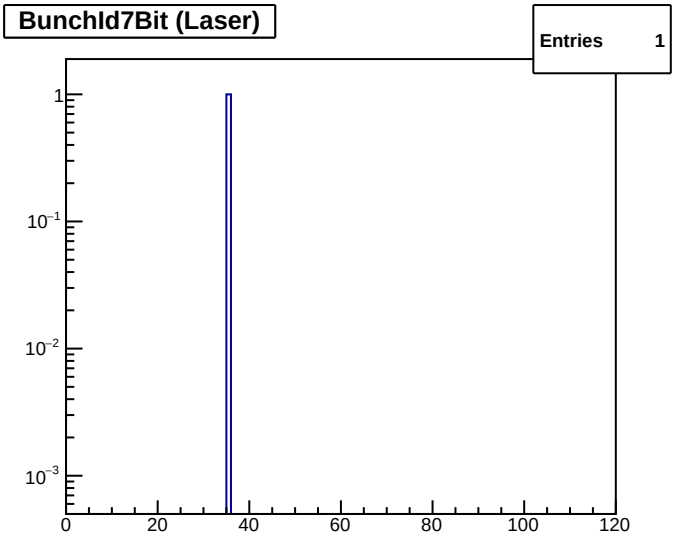
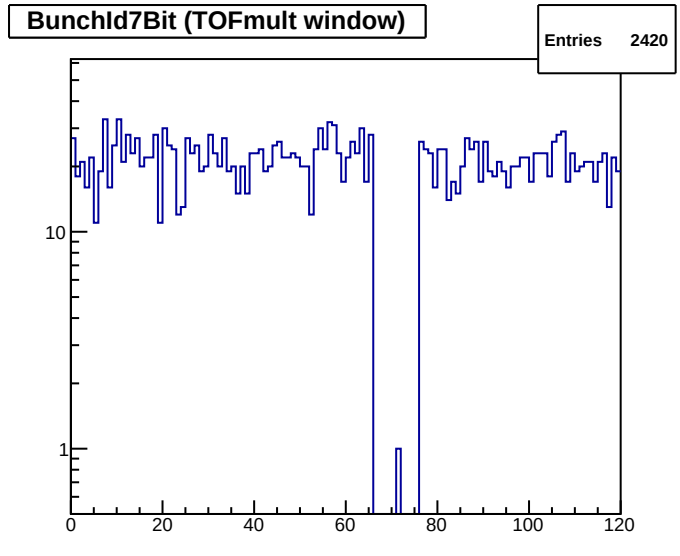

BunchId7Bit (VPD-TAC)
Entries 38692
10^2
10
1
0
20
40
60
80
100
120

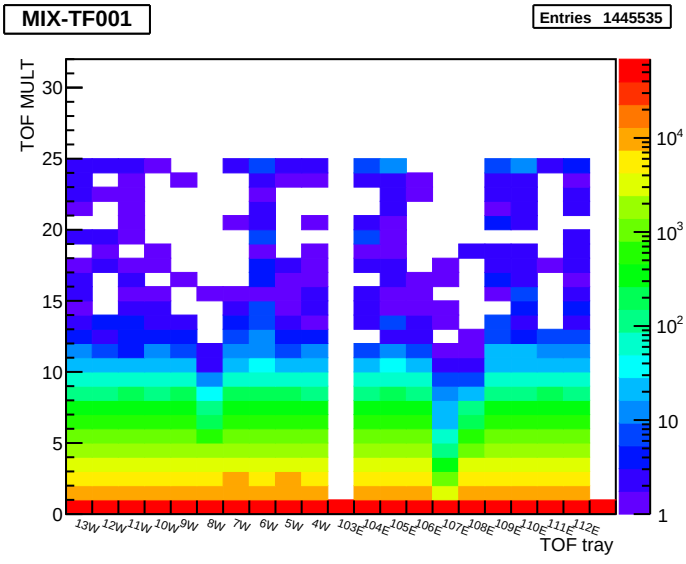

BunchId7Bit (ZDC-TAC)
Entries 205
10
1
0
20
40
60
80
100
120

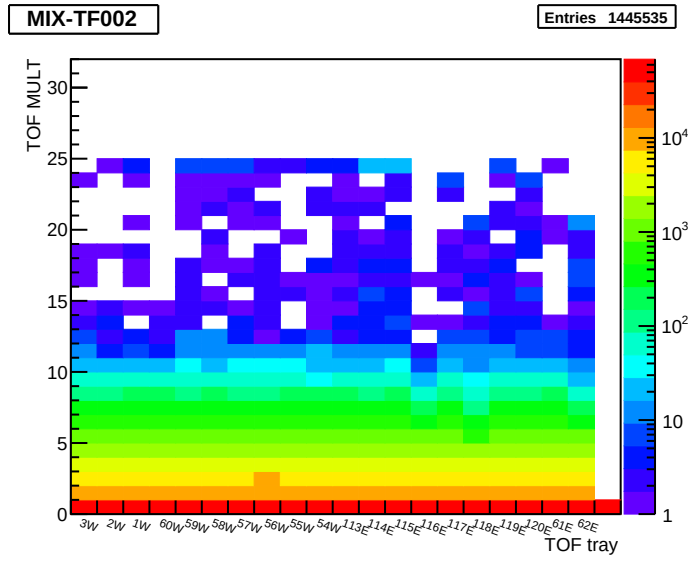

BunchId7Bit (EPD-TAC)
Entries 56646
10^3
10^2
10
1
0
20
40
60
80
100
120

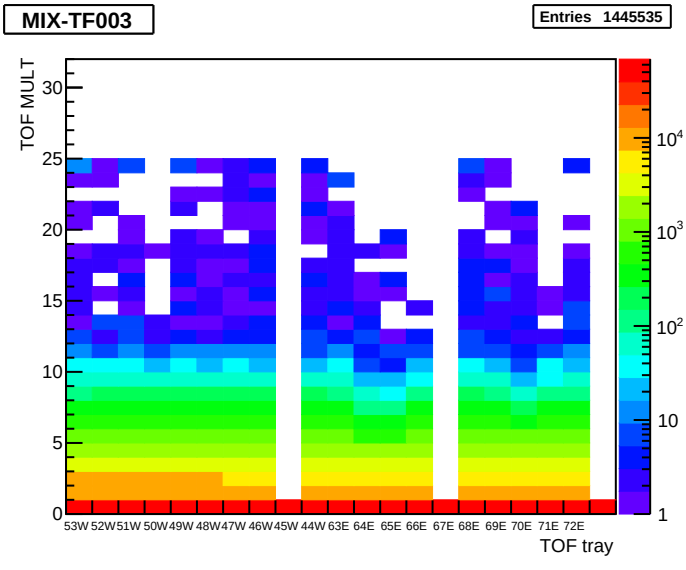

BunchId7Bit (BBC-TAC)
Entries 32043
10^2
0
20
40
60
80
100
120

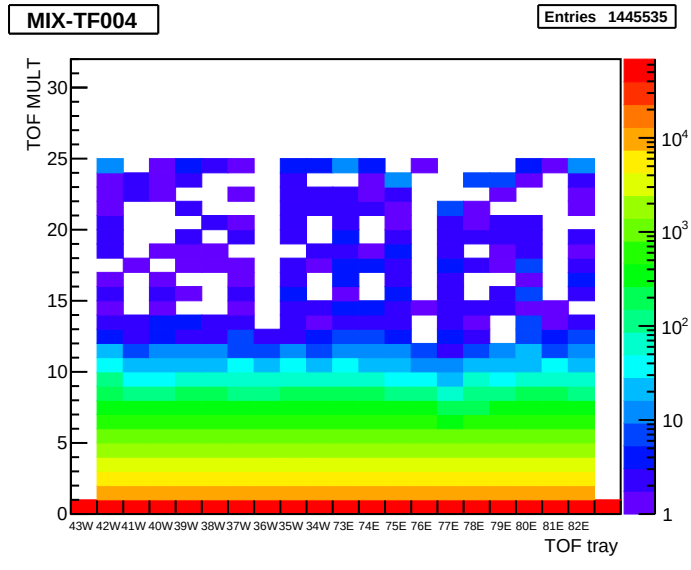

BunchId7Bit (Laser)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0
20
40
60
80
100
120

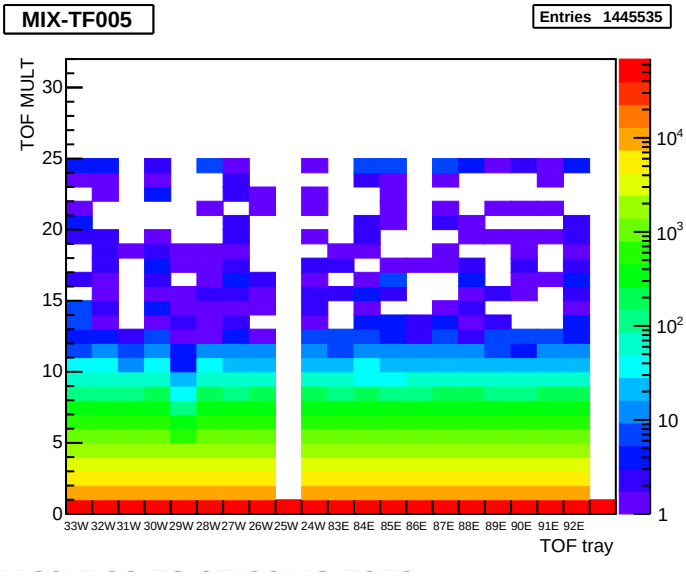

BunchId7Bit (TOFmult window)
Entries 2420
10
1
0
20
40
60
80
100
120

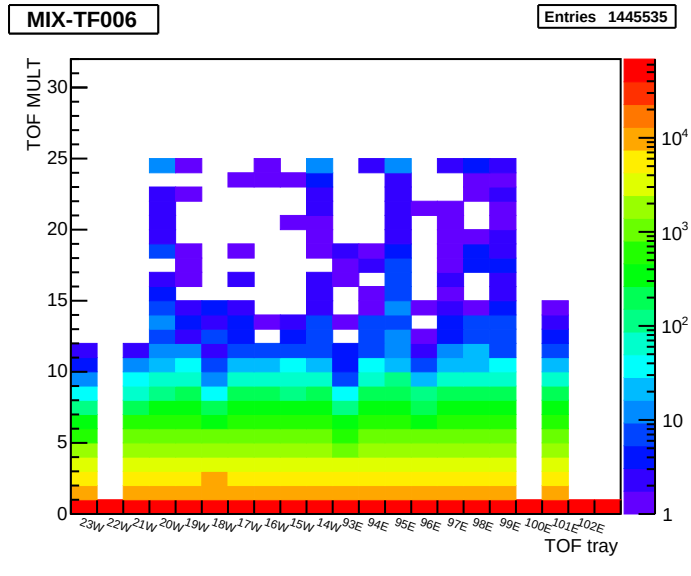

MIX-TF001
Entries 1445535
TOF MULT
TOF tray

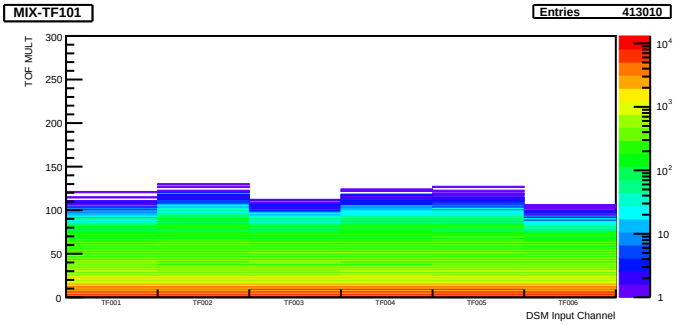

MIX-TF002
Entries 1445535
TOF MULT
TOF tray

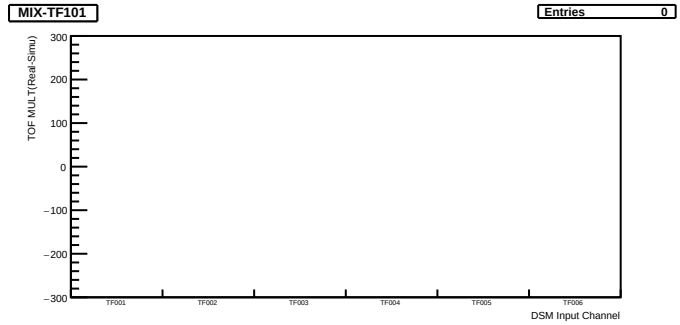

MIX-TF003
Entries 1445535
TOF MULT
TOF tray

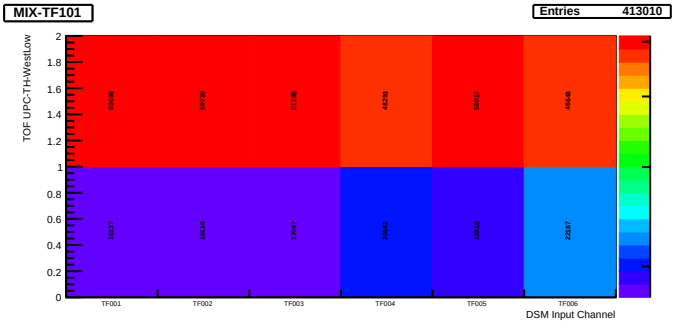

MIX-TF004
Entries 1445535
TOF MULT
TOF tray

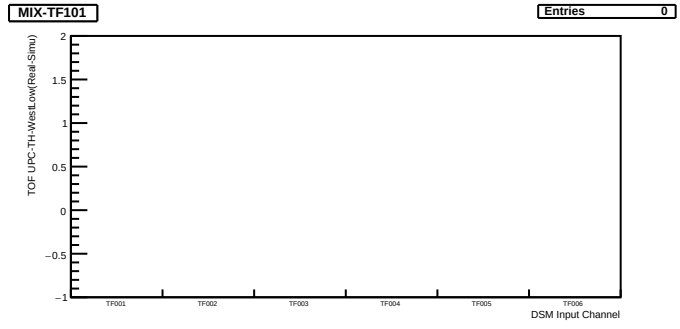

MIX-TF005
Entries 1445535
TOF MULT
TOF tray

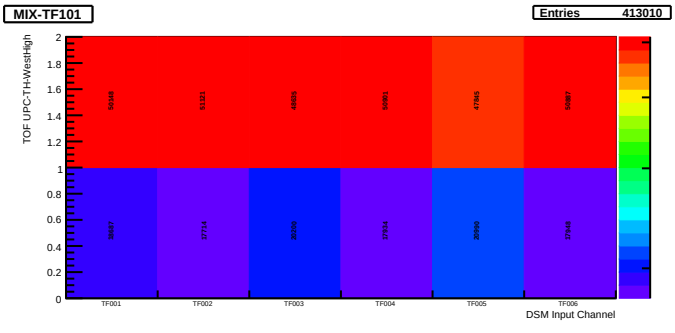

MIX-TF006
Entries 1445535
TOF MULT
TOF tray

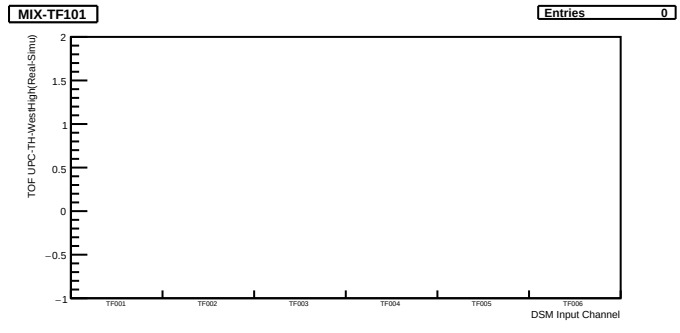

MIX-TF101
Entries 413010
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

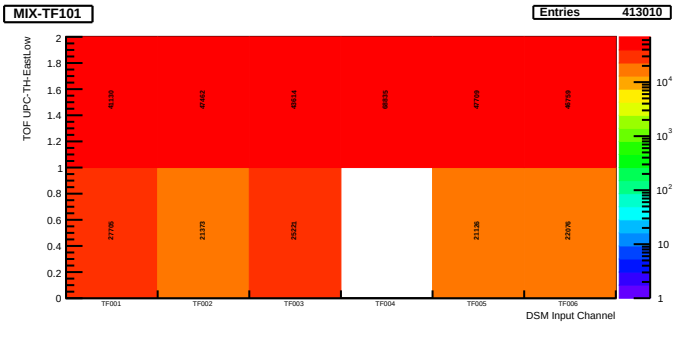

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

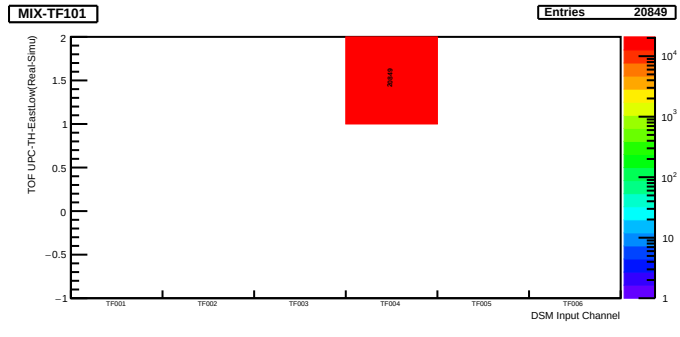

MIX-TF101
Entries 413010
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

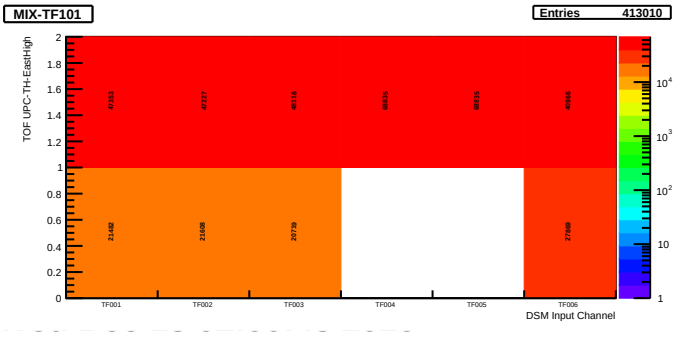

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

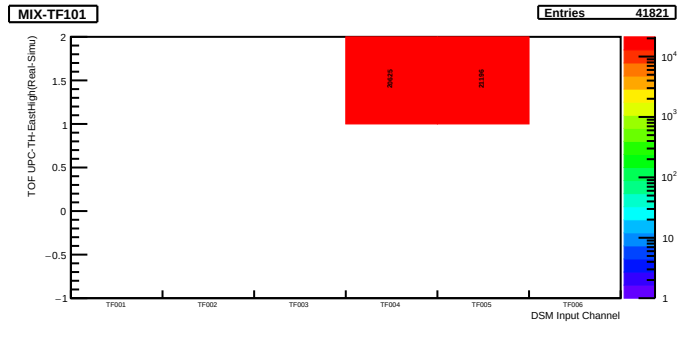

MIX-TF101
Entries 413010
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

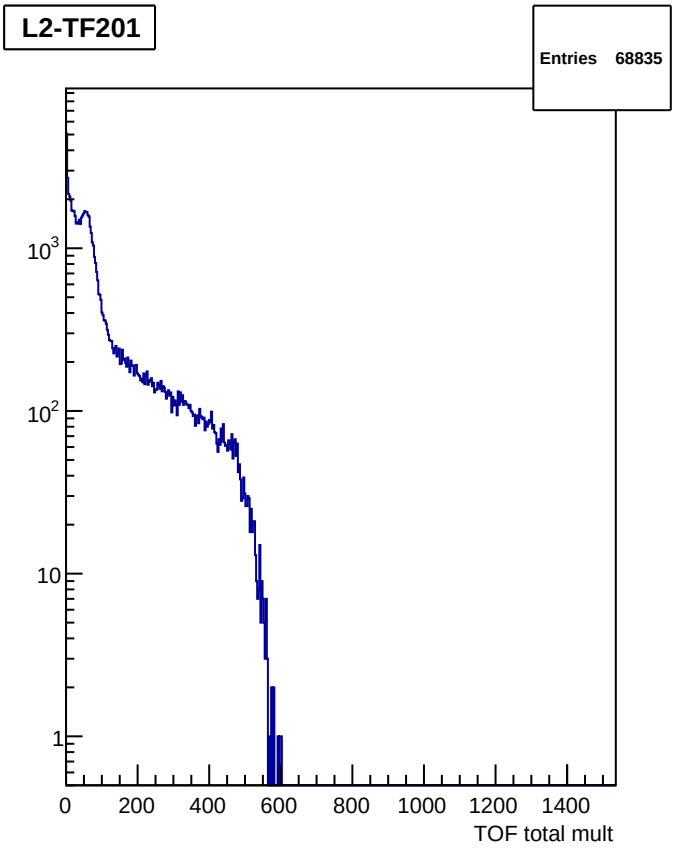

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

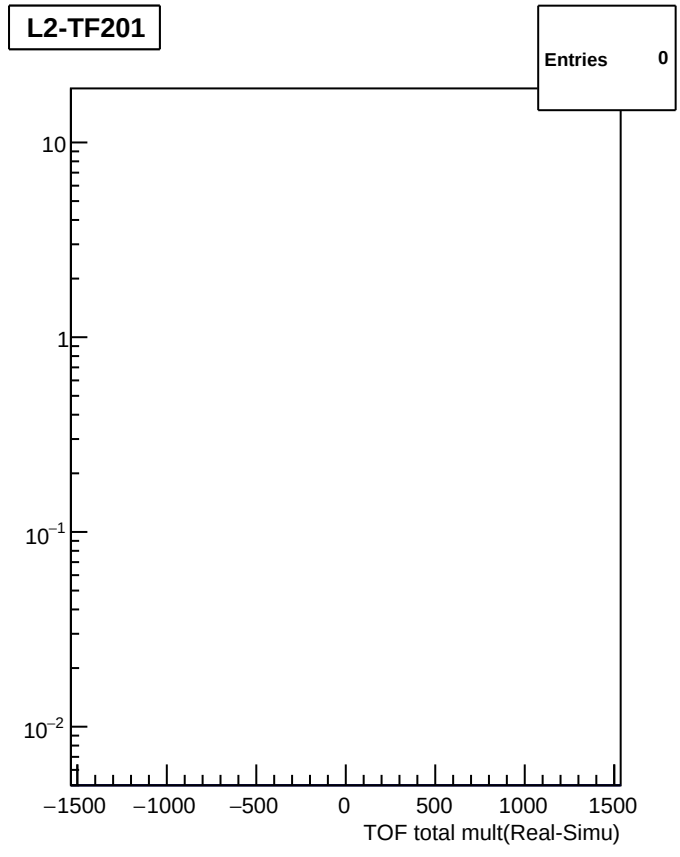

MIX-TF101
Entries 413010
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

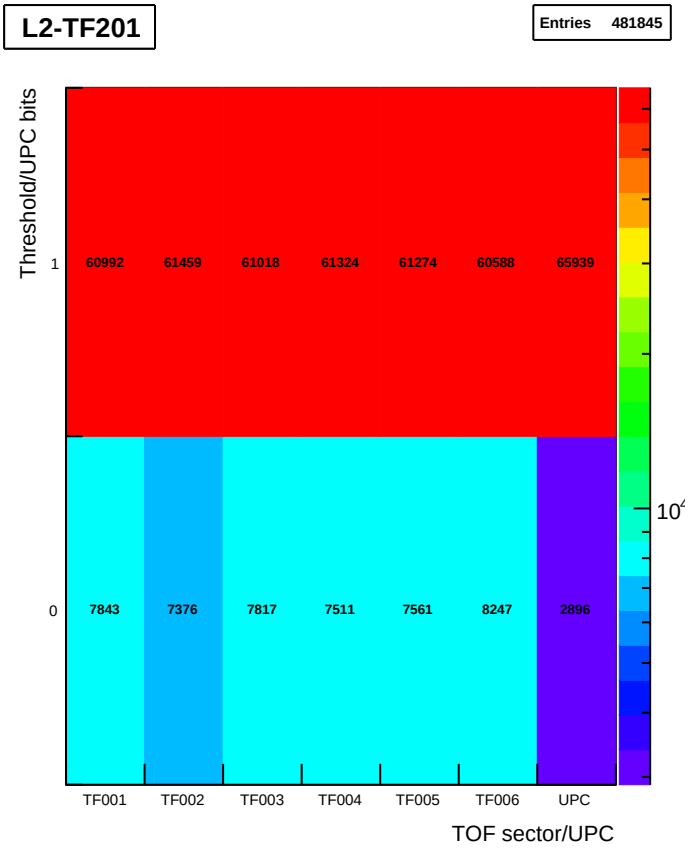

MIX-TF101
Entries 20849
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

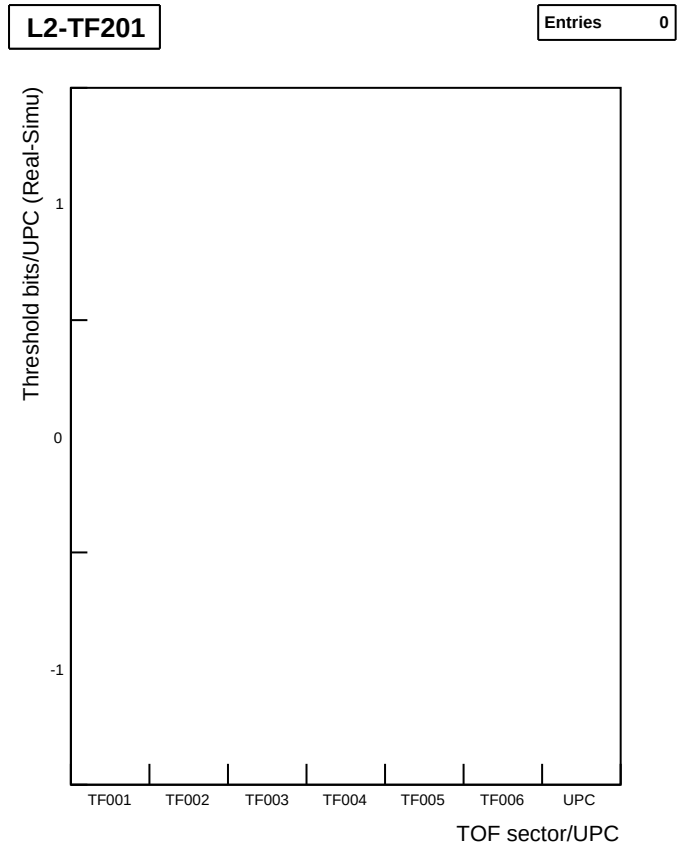

MIX-TF101
Entries 413010
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

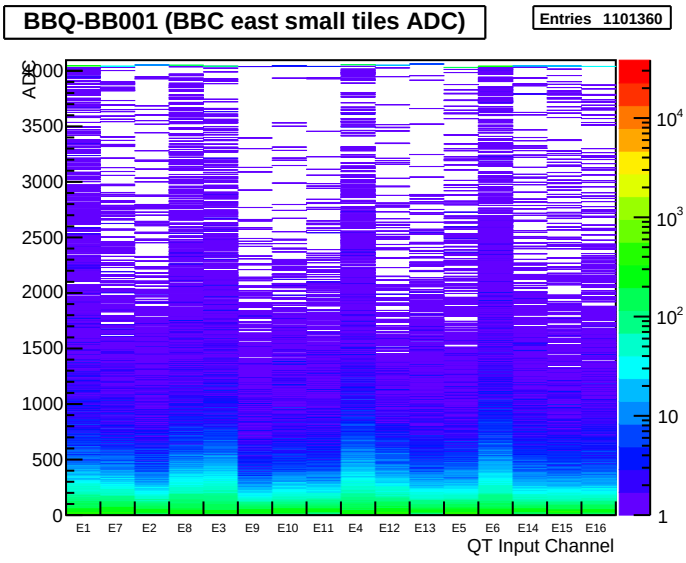

MIX-TF101
Entries 41821
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

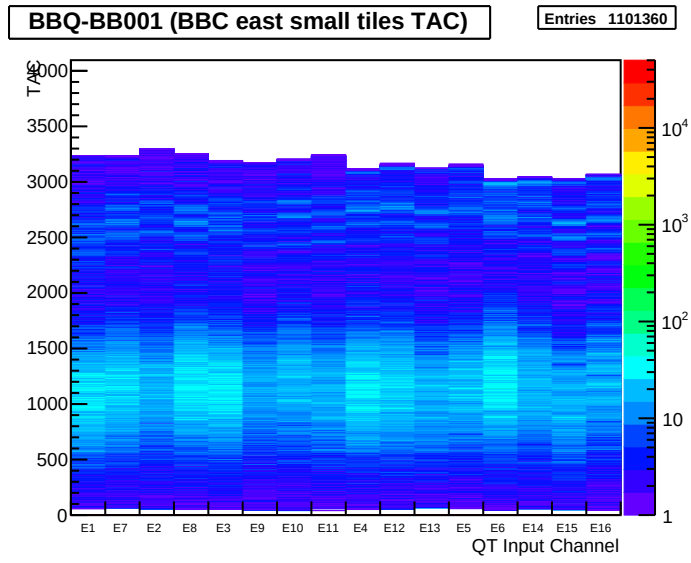

L2-TF201
Entries 68835
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

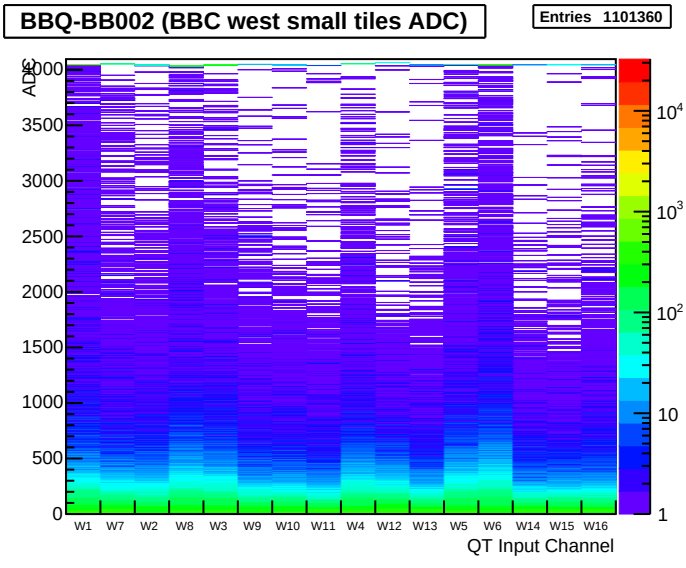

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

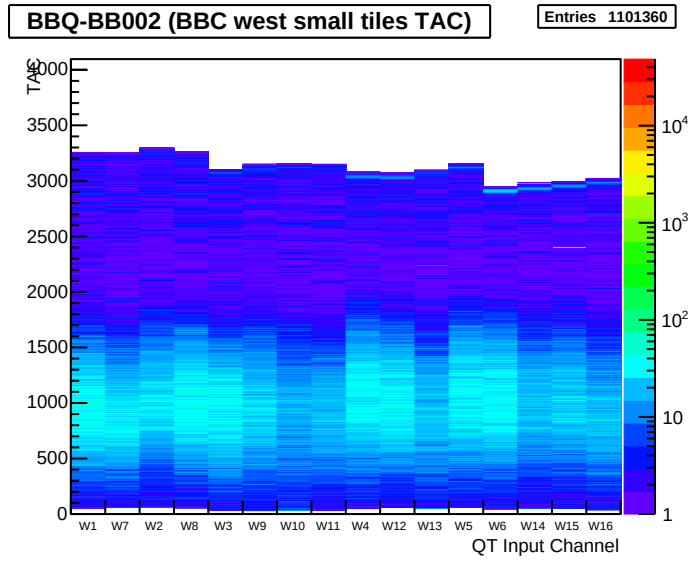

L2-TF201
Entries 481845
Threshold/UPC bits
1
0
60992
61459
61018
61324
61274
60588
65939
7843
7376
7817
7511
7561
8247
2896
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

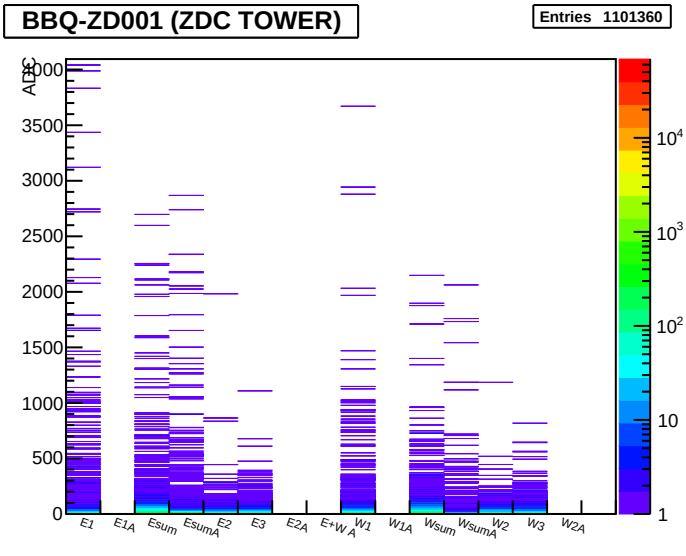

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

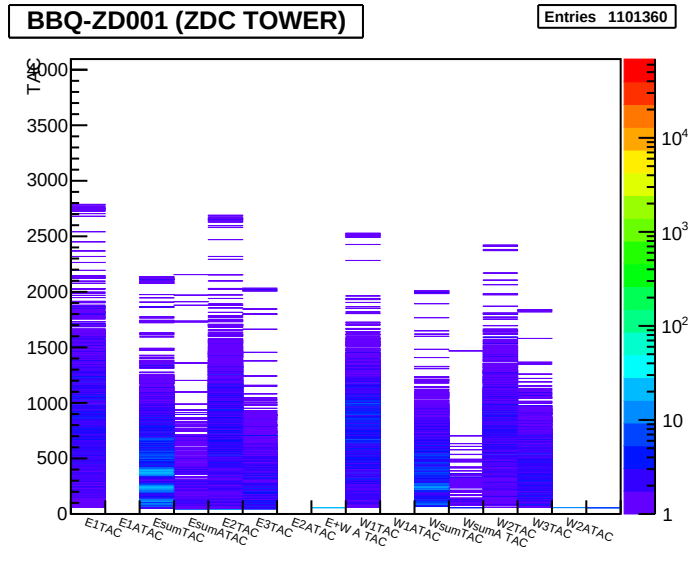

BBQ-BB001 (BBC east small tiles ADC)
Entries 1101360
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

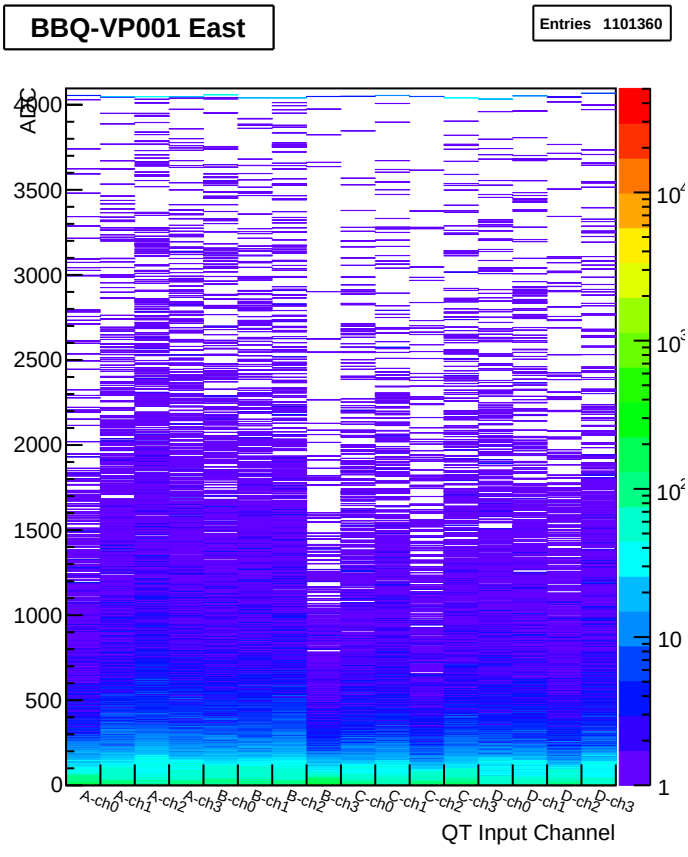

BBQ-BB001 (BBC east small tiles TAC)
Entries 1101360
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

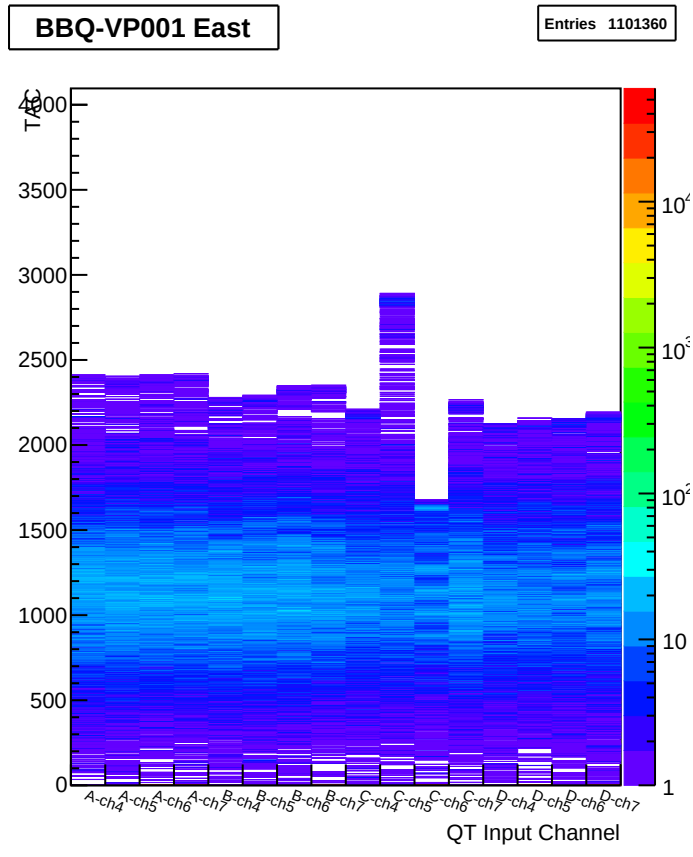

BBQ-BB002 (BBC west small tiles ADC)
Entries 1101360
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

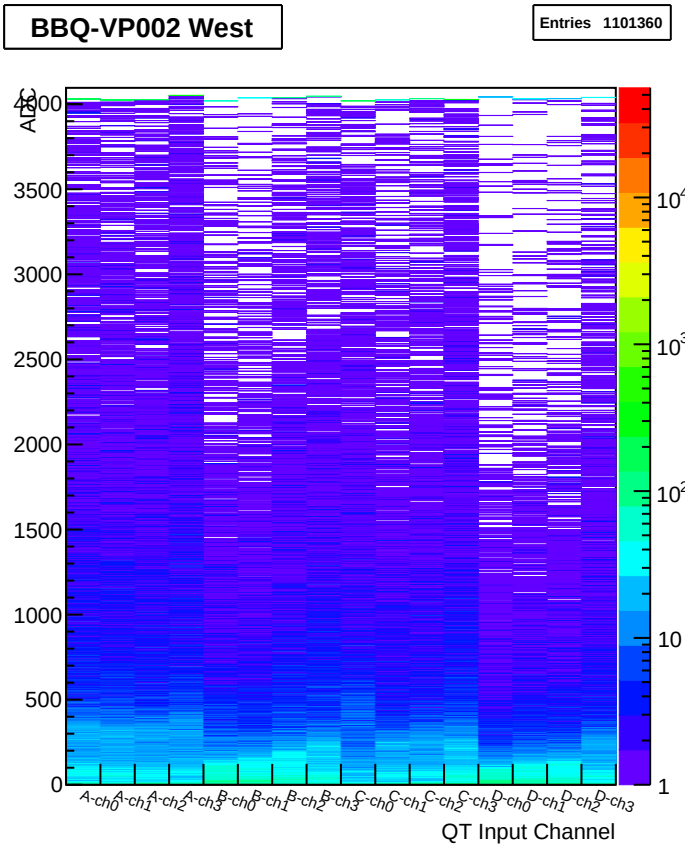

BBQ-BB002 (BBC west small tiles TAC)
Entries 1101360
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

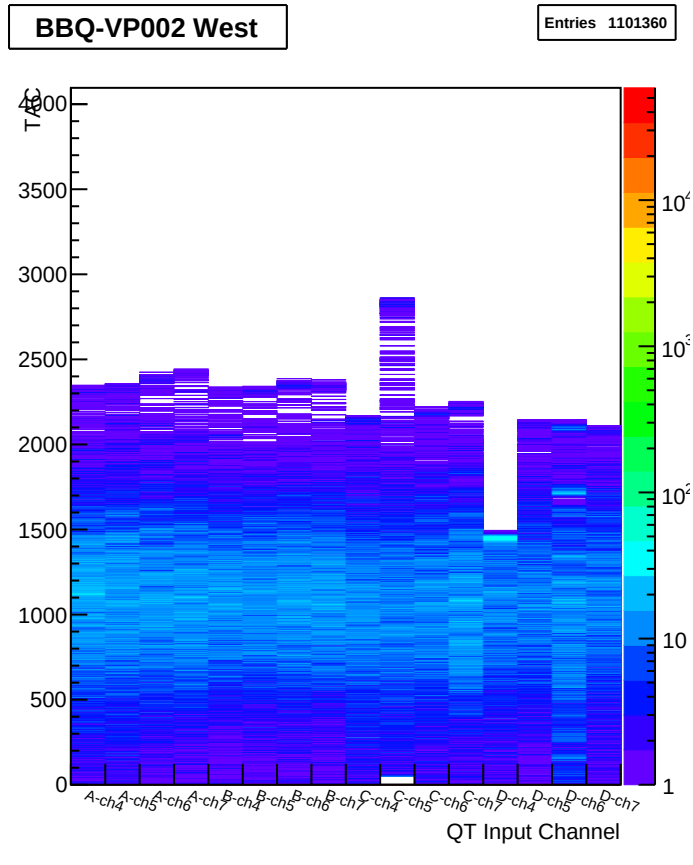

BBQ-ZD001 (ZDC TOWER)
Entries 1101360
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

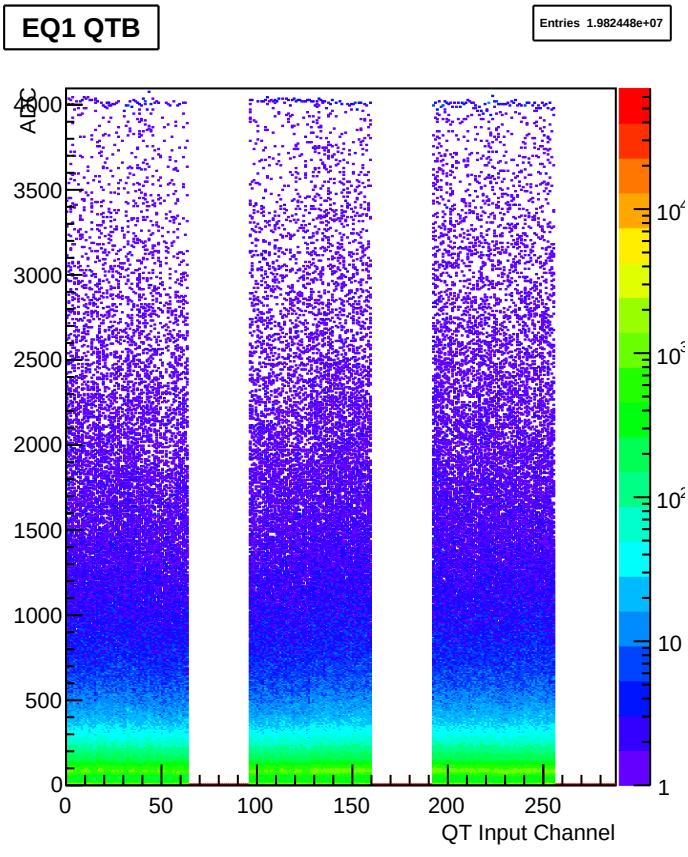

BBQ-ZD001 (ZDC TOWER)
Entries 1101360
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

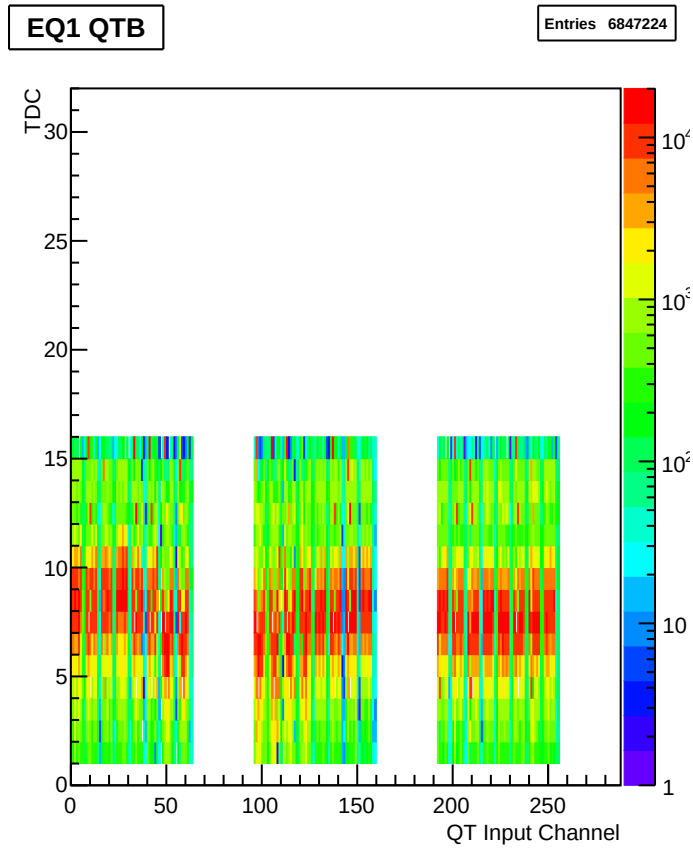

BBQ-VP001 East
Entries 1101360
ADC
QT Input Channel

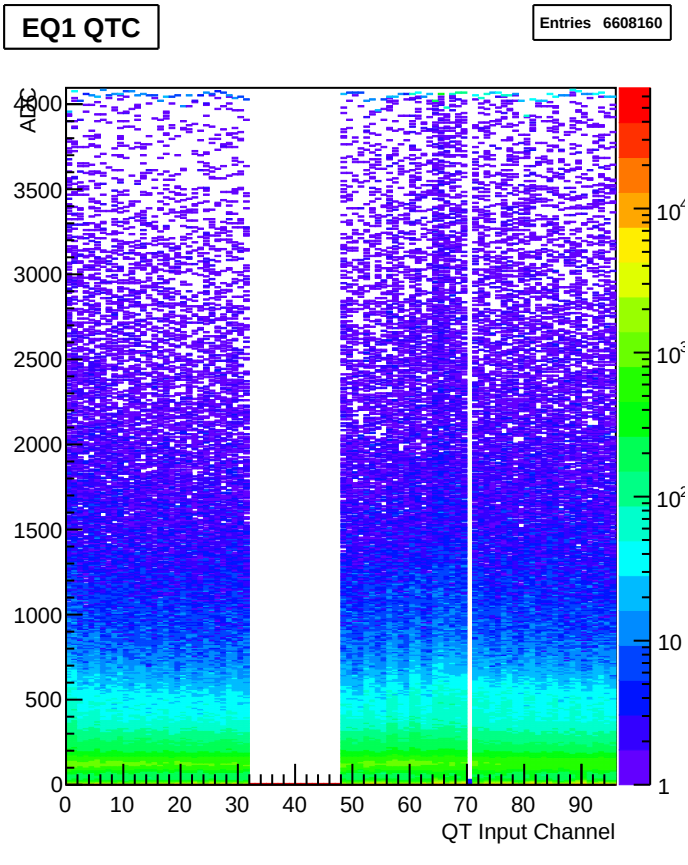

BBQ-VP001 East
Entries 1101360
TAC
QT Input Channel

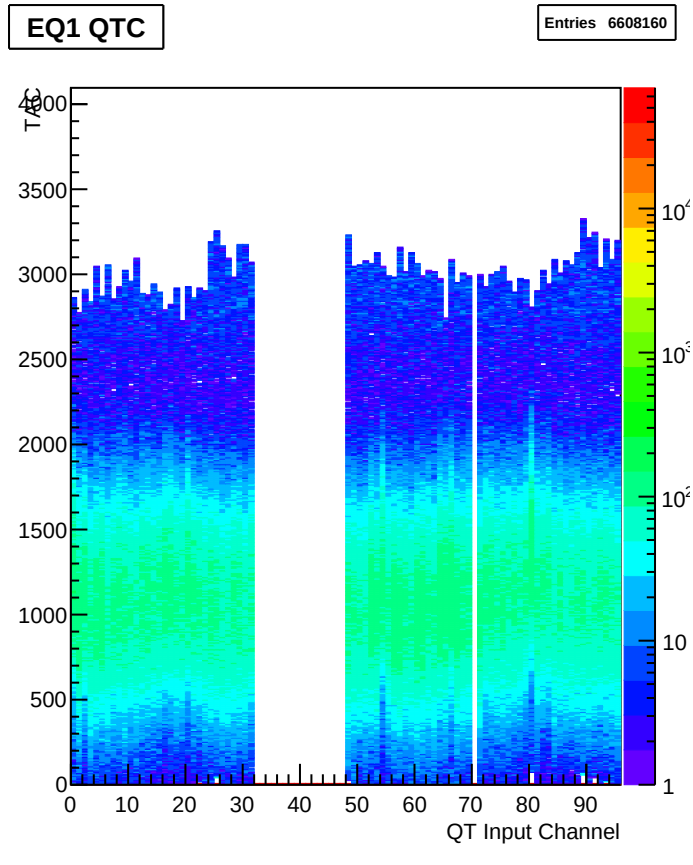

BBQ-VP002 West
Entries 1101360
ADC
QT Input Channel

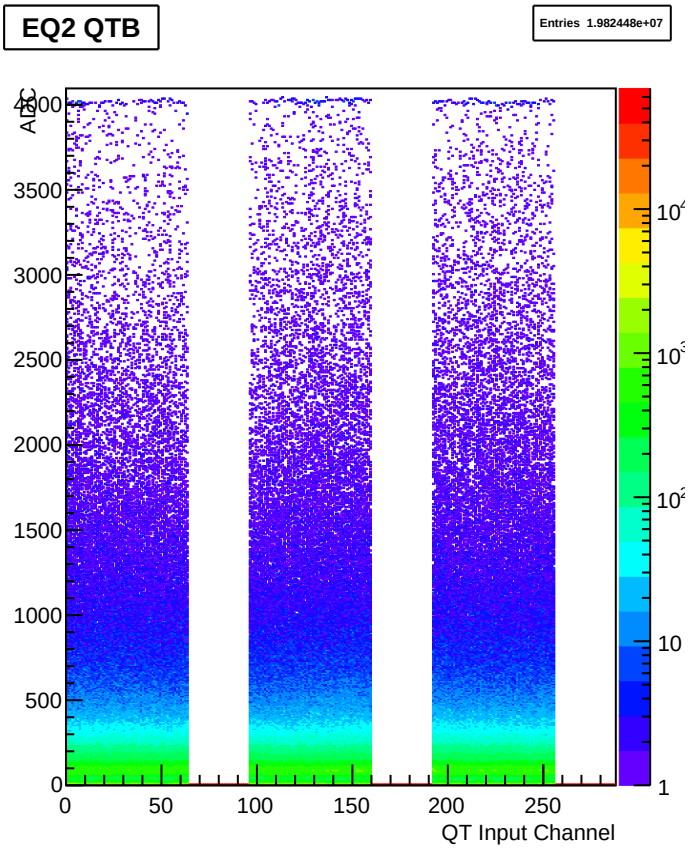

BBQ-VP002 West
Entries 1101360
TAC
QT Input Channel

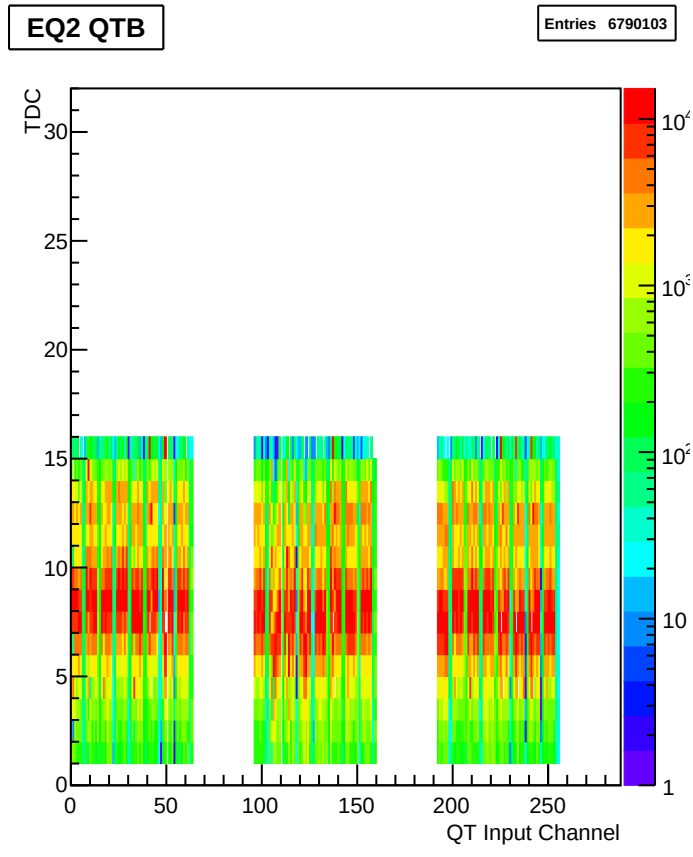

EQ1 QTB
Entries 1.982448e+07
ADC
QT Input Channel

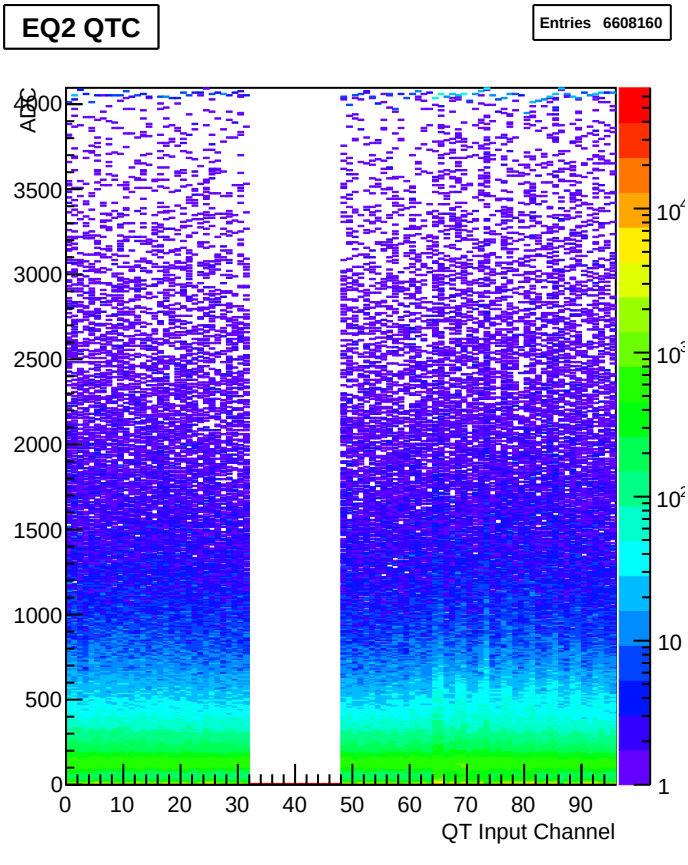

EQ1 QTB
Entries 6847224
TDC
QT Input Channel

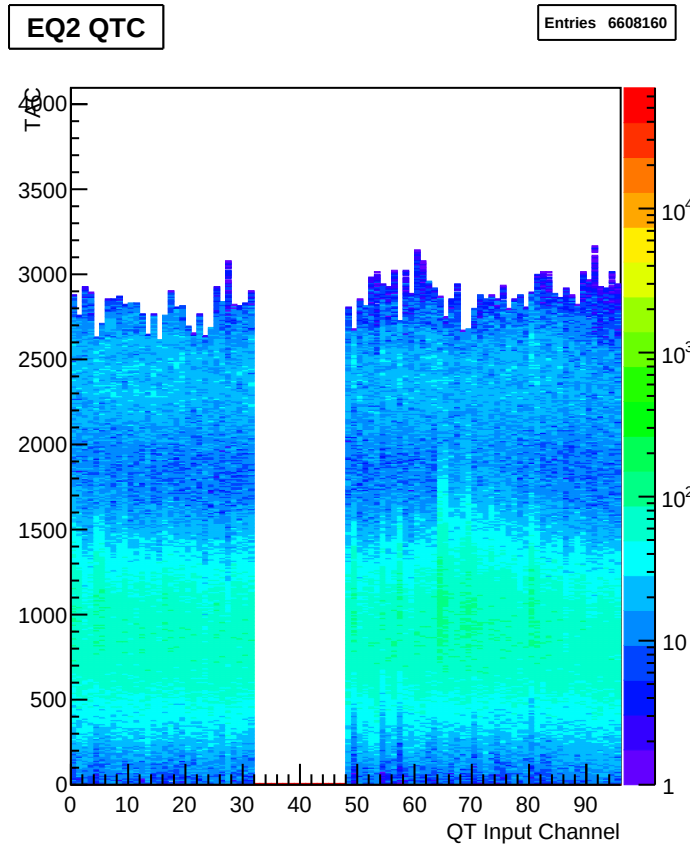

EQ1 QTC
Entries 6608160
ADC
QT Input Channel

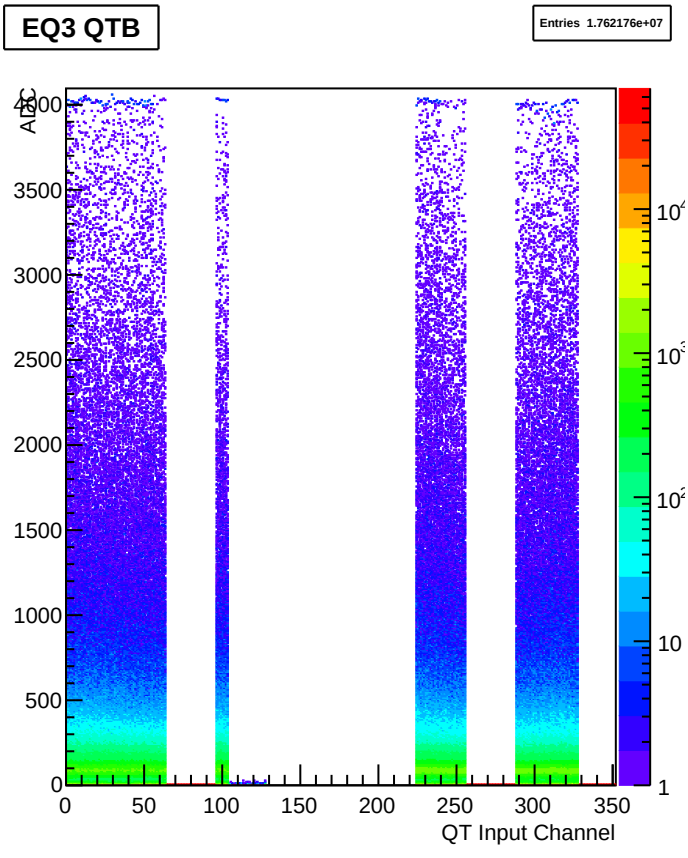

EQ1 QTC
Entries 6608160
TADC
QT Input Channel

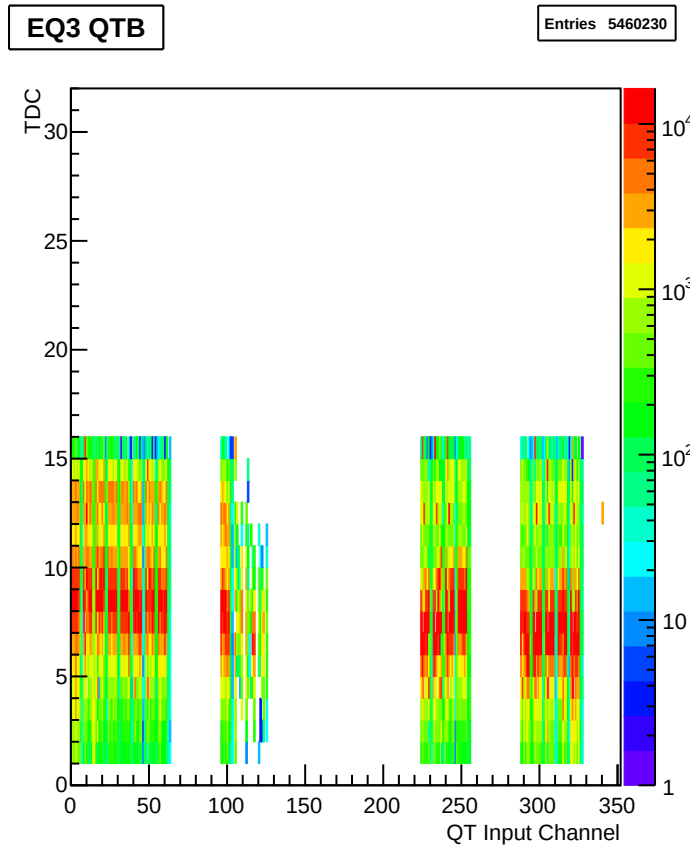

EQ2 QTB
Entries 1.982448e+07
ADC
QT Input Channel

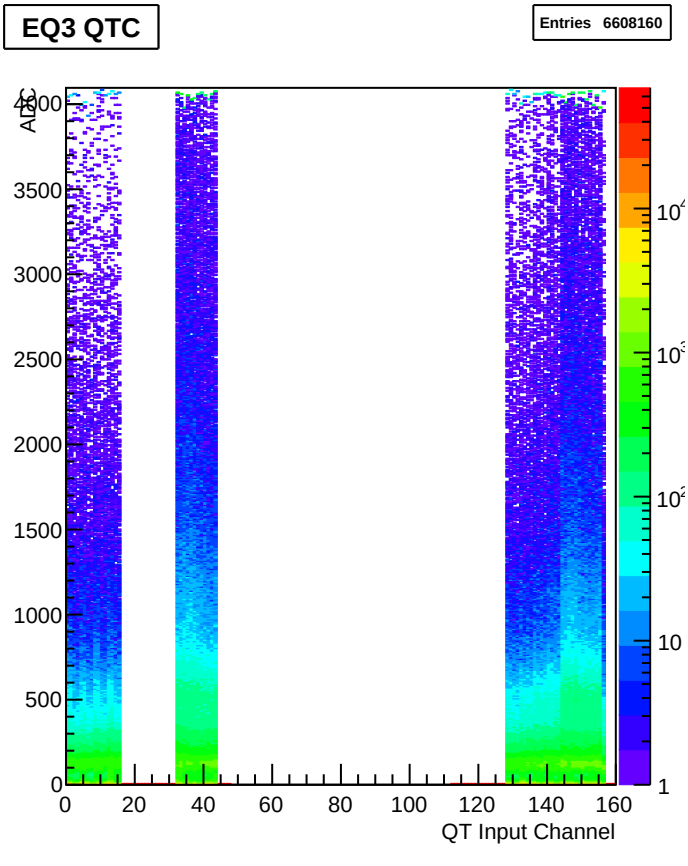

EQ2 QTB
Entries 6790103
TDC
QT Input Channel

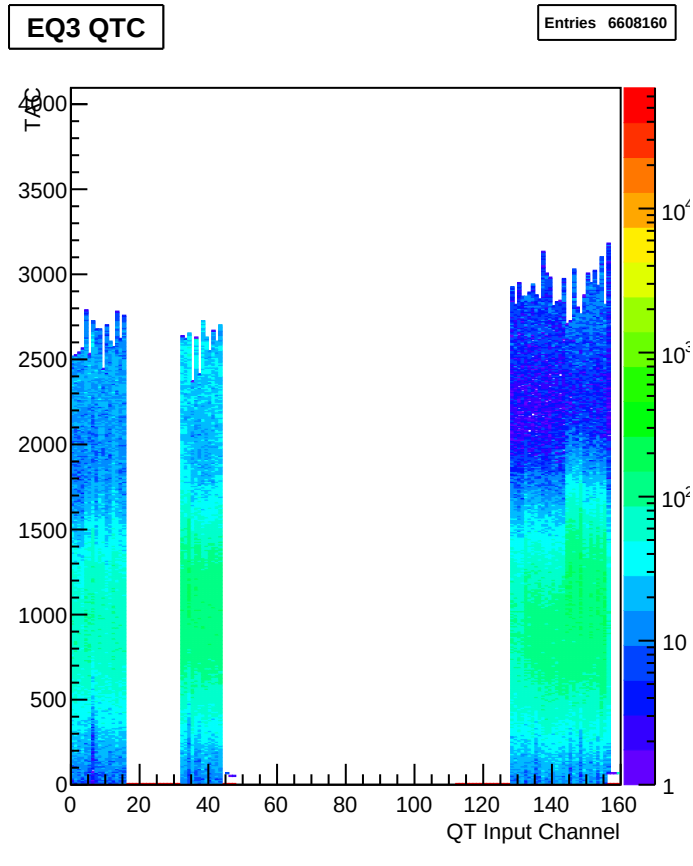

EQ2 QTC
Entries 6608160
ADC
QT Input Channel

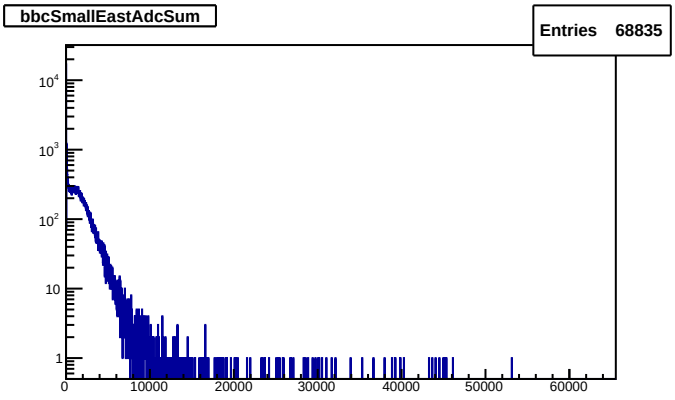

EQ2 QTC
Entries 6608160
TADC
QT Input Channel

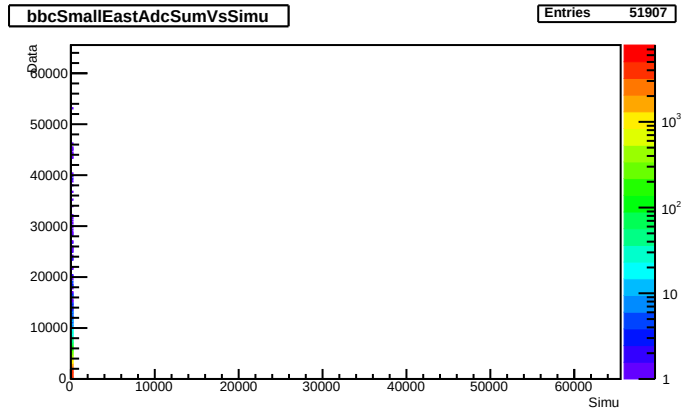

EQ3 QTB
Entries 1.762176e+07
ADC
QT Input Channel

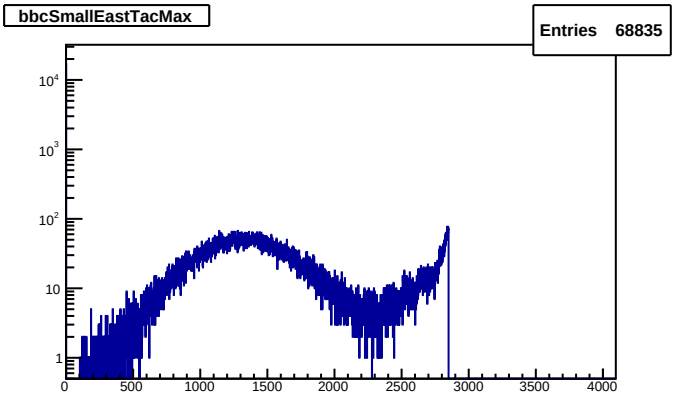

EQ3 QTB
Entries 5460230
TDC
QT Input Channel

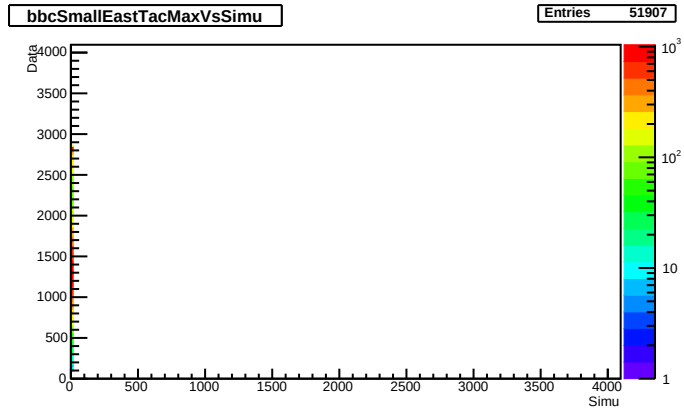

EQ3 QTC
Entries 6608160
ADC
QT Input Channel

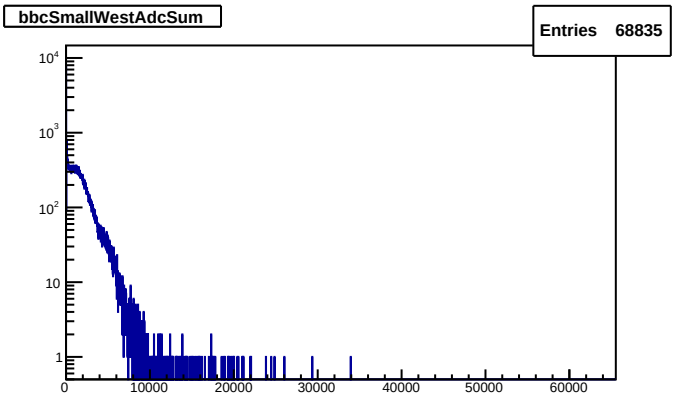

EQ3 QTC
Entries 6608160
TADC
QT Input Channel

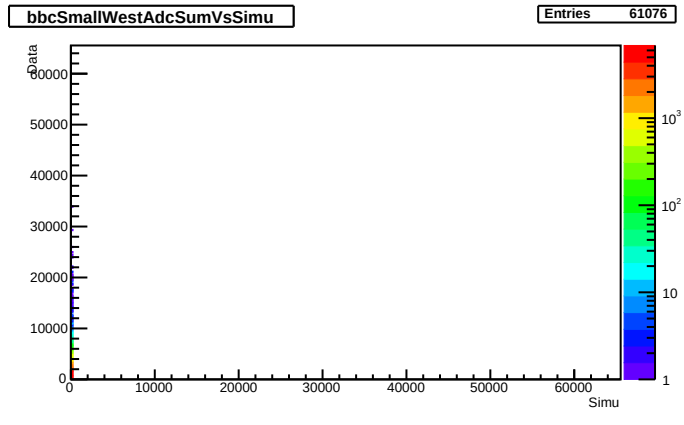

bbcSmallEastAdcSum
Entries 68835

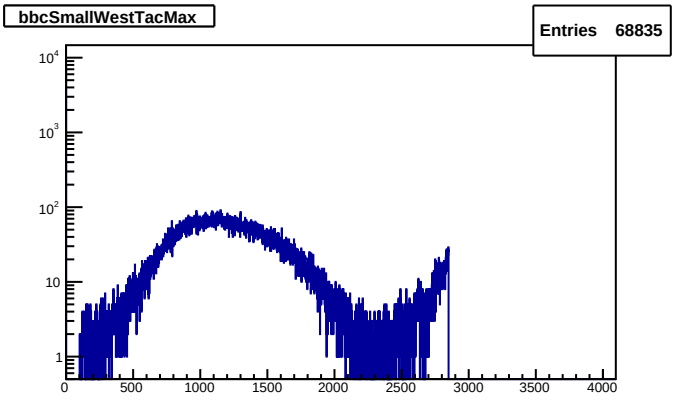

bbcSmallEastAdcSumVsSimu
Entries 51907
Data
Simu

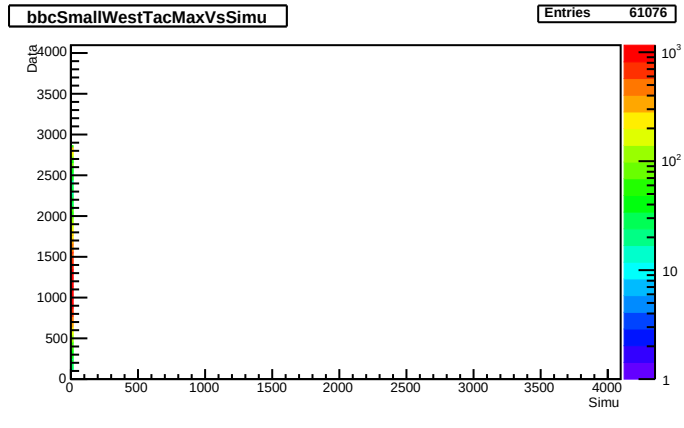

bbcSmallEastTacMax
Entries 68835

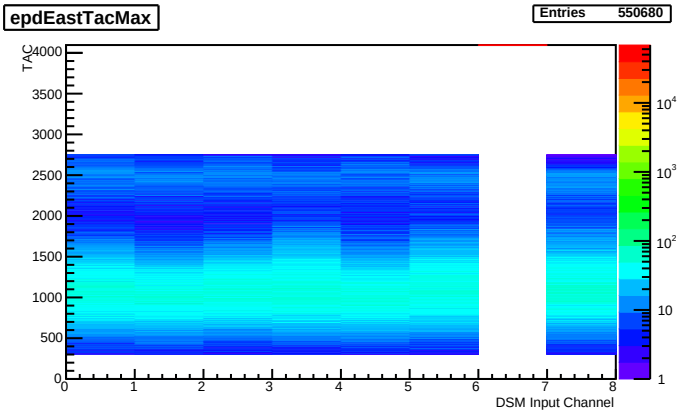

bbcSmallEastTacMaxVsSimu
Entries 51907
Data
Simu

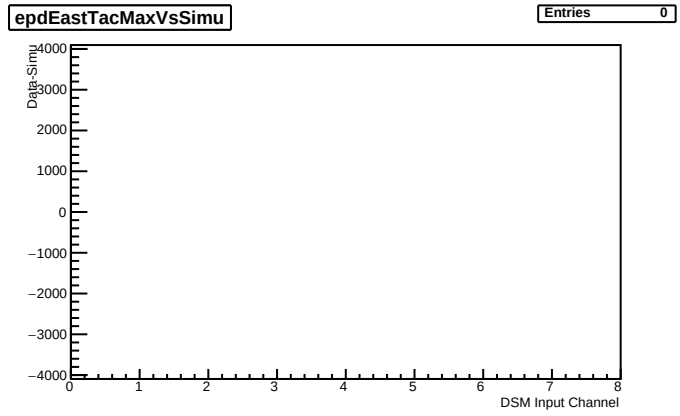

bbcSmallWestAdcSum
Entries 68835

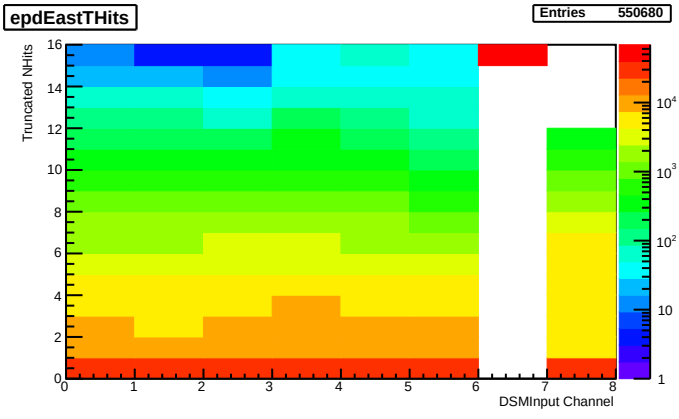

bbcSmallWestAdcSumVsSimu
Entries 61076
Data
Simu

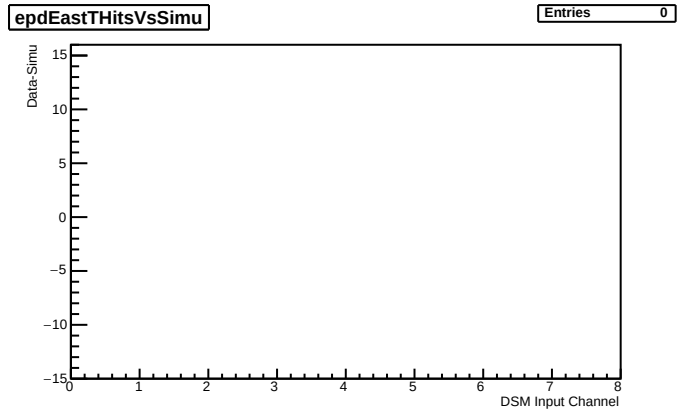

bbcSmallWestTacMax
Entries 68835

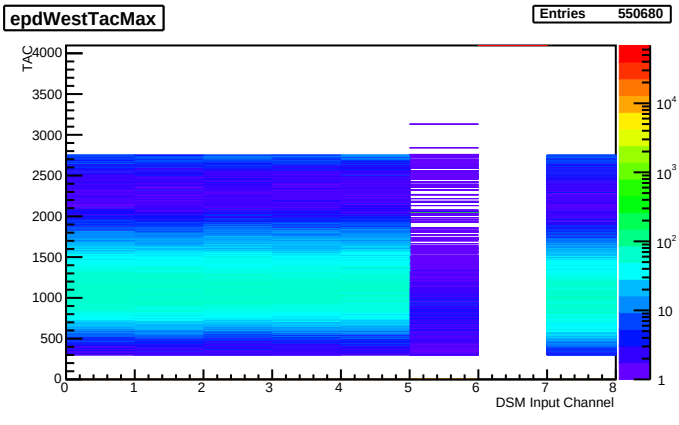

bbcSmallWestTacMaxVsSimu
Entries 61076
Data
Simu

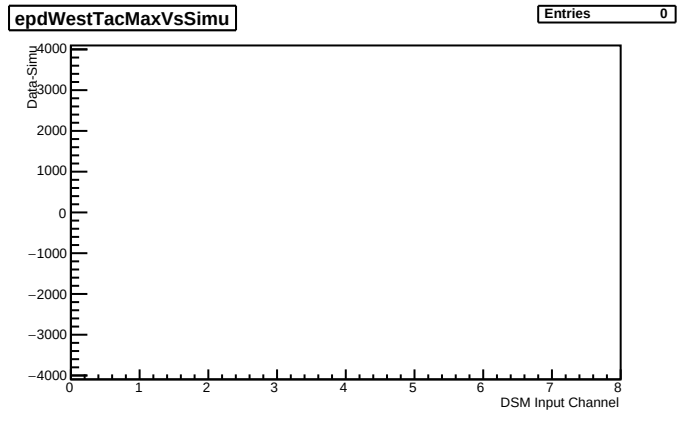

epdEastTacMax
Entries 550680
TAC
DSM Input Channel

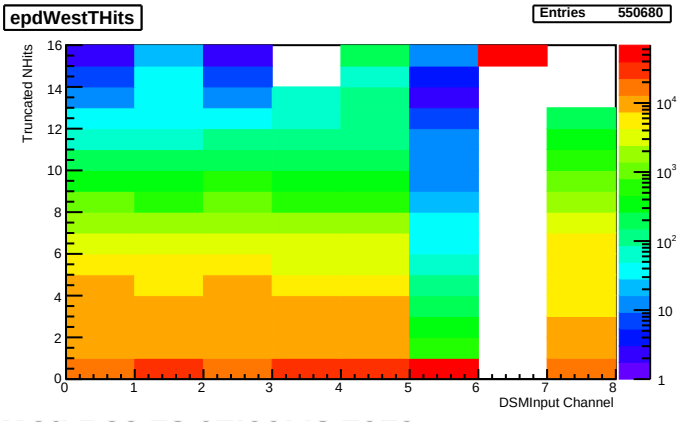

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

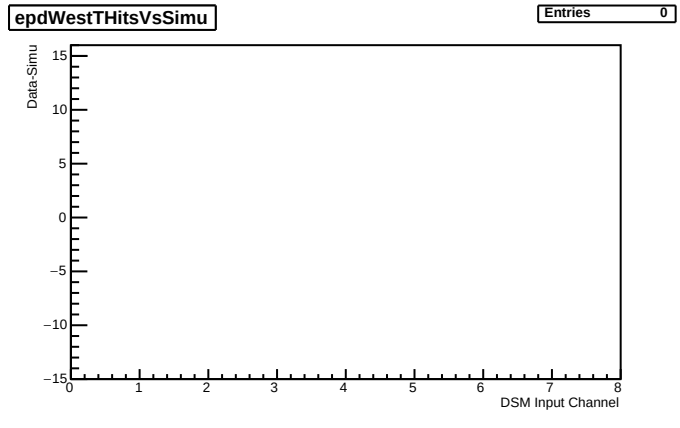

epdEastTHits
Entries 550680
Truncated NHits
DSMInput Channel

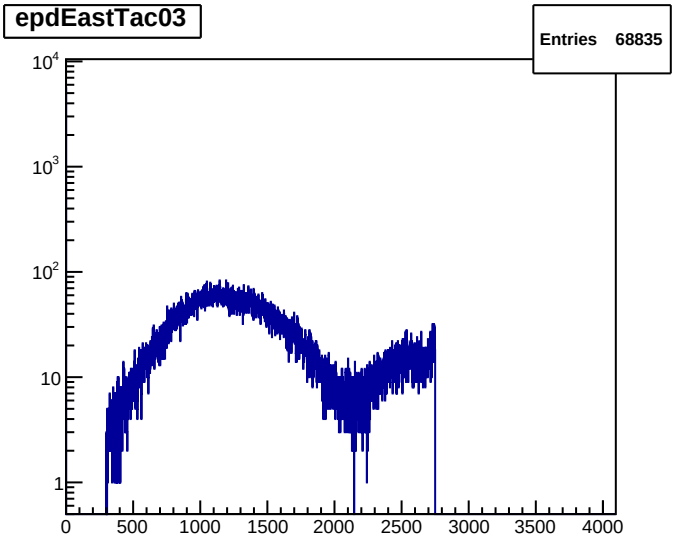

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

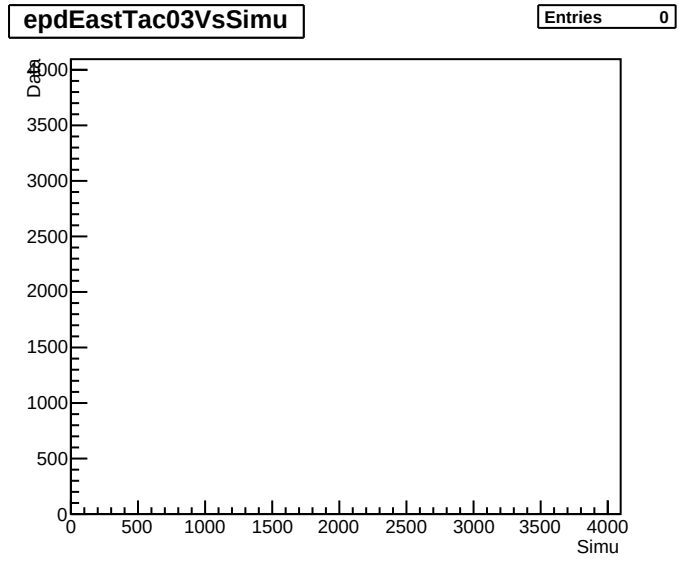

epdWestTacMax
Entries 550680
TAC
DSM Input Channel

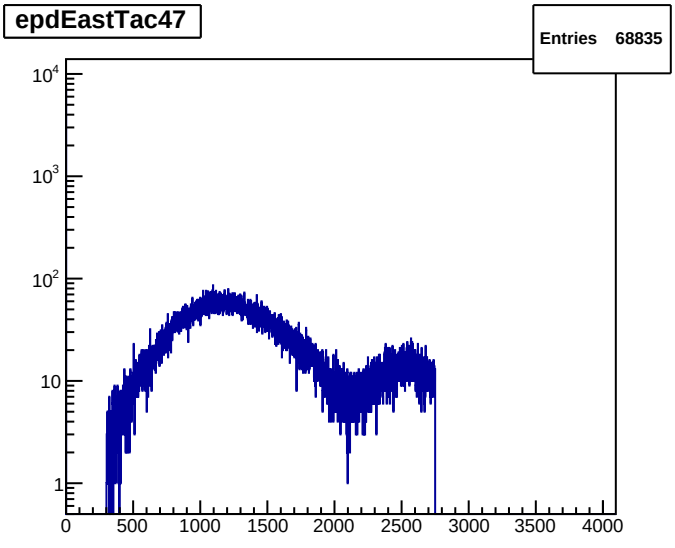

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

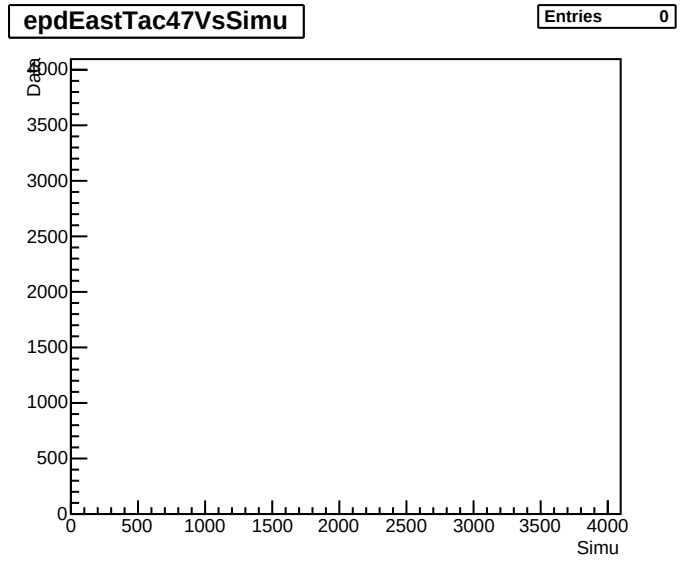

epdWestTHits
Entries 550680
Truncated NHits
DSMInput Channel

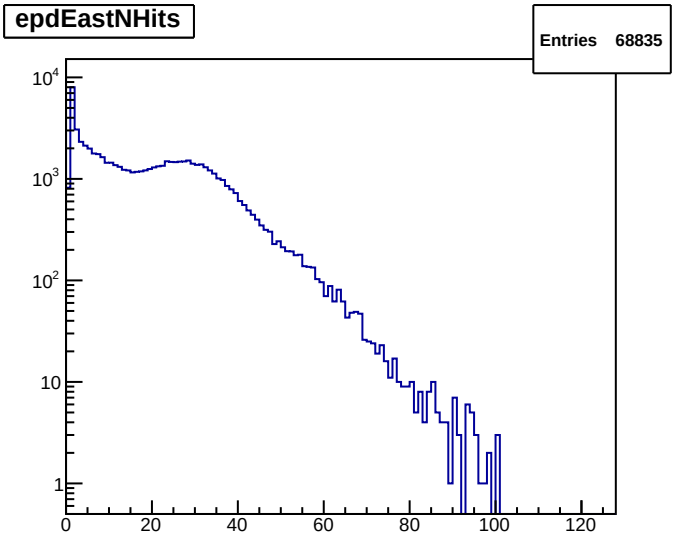

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

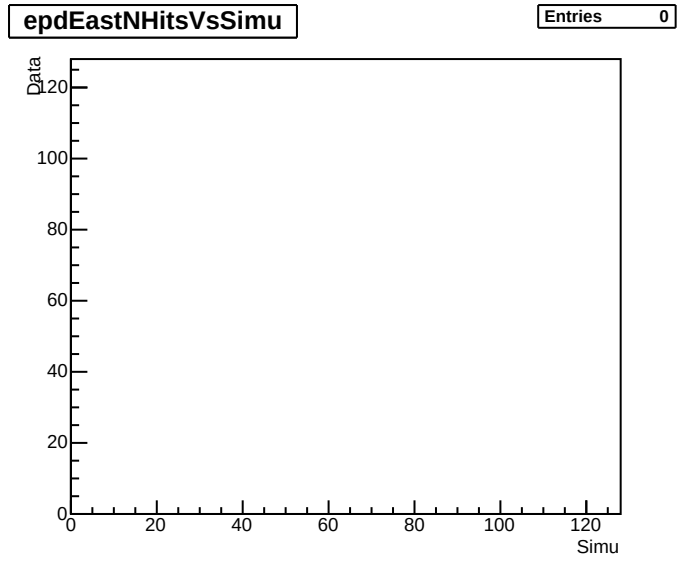

epdEastTac03
Entries 68835

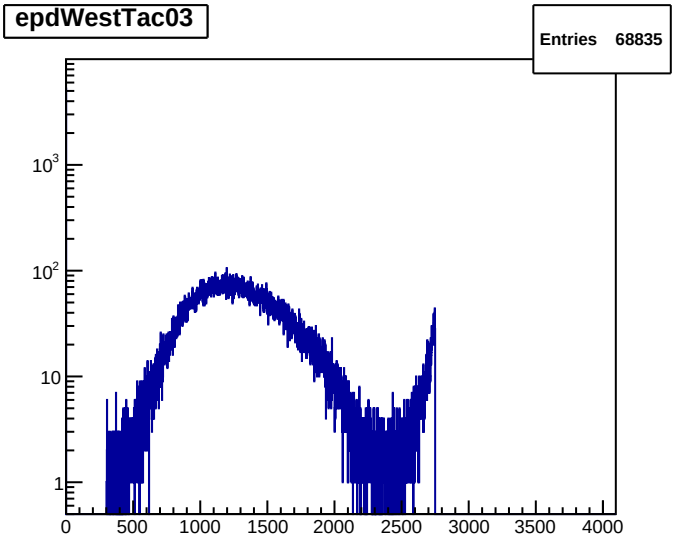

epdEastTac03VsSimu
Entries 0
Data
Simu

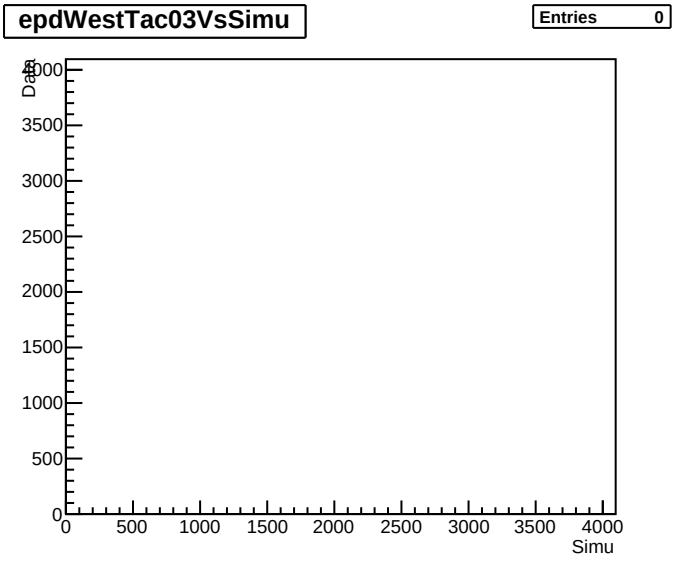

epdEastTac47
Entries 68835

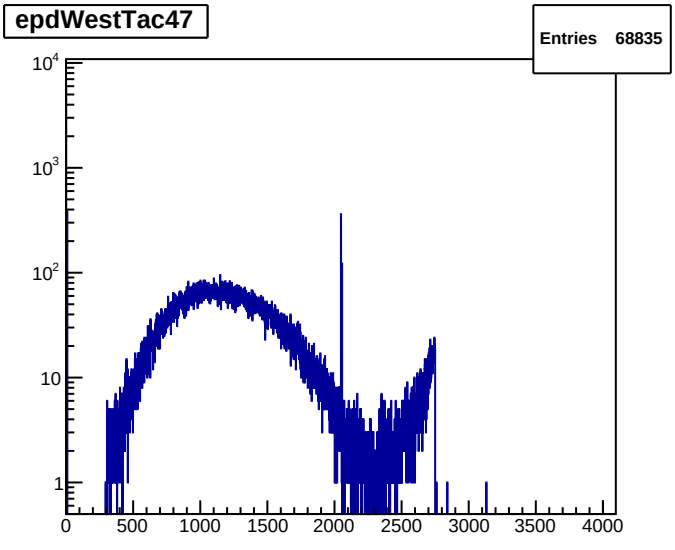

epdEastTac47VsSimu
Entries 0
Data
Simu

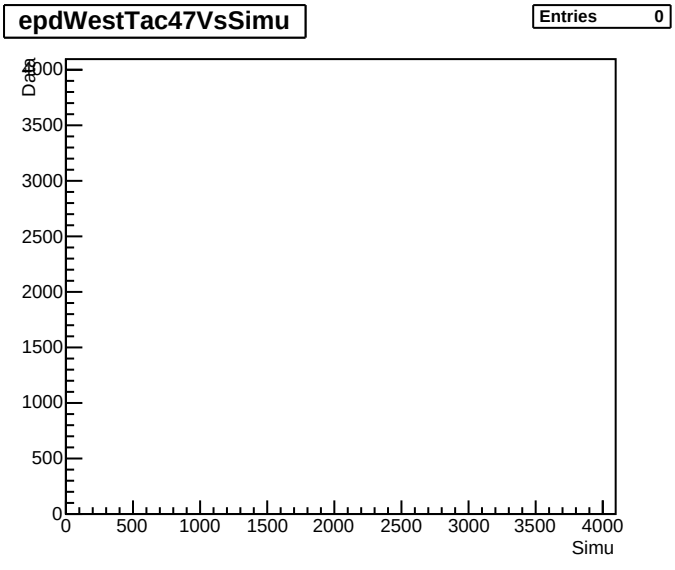

epdEastNHits
Entries 68835

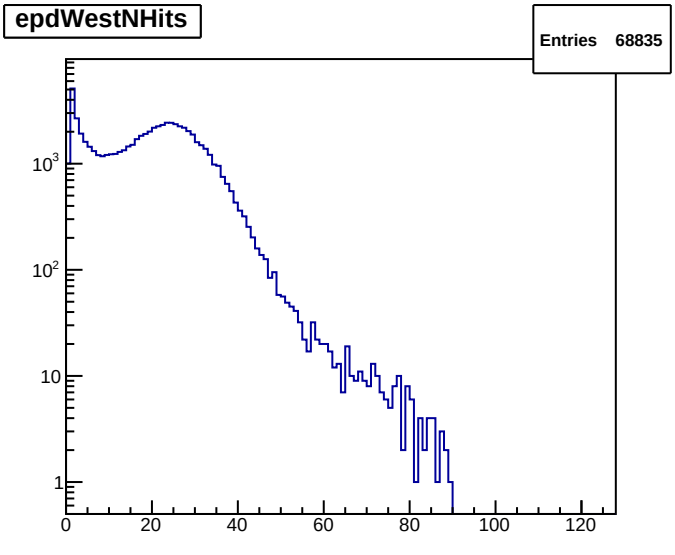

epdEastNHitsVsSimu
Entries 0
Data
Simu

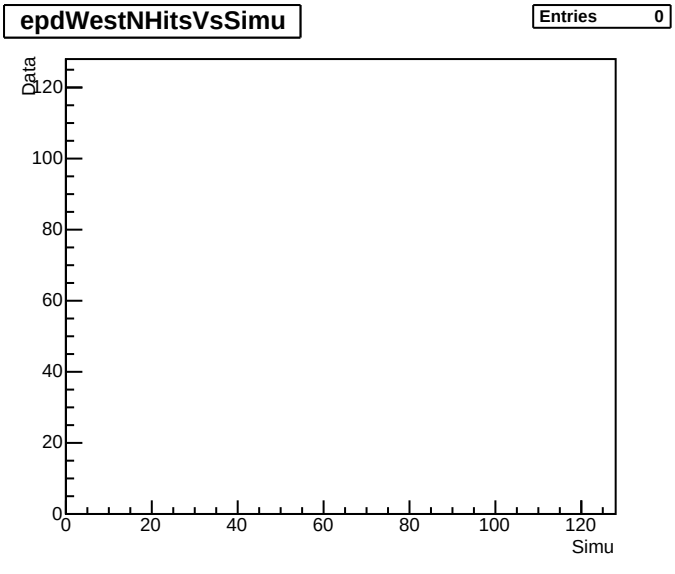

epdWestTac03
Entries 68835

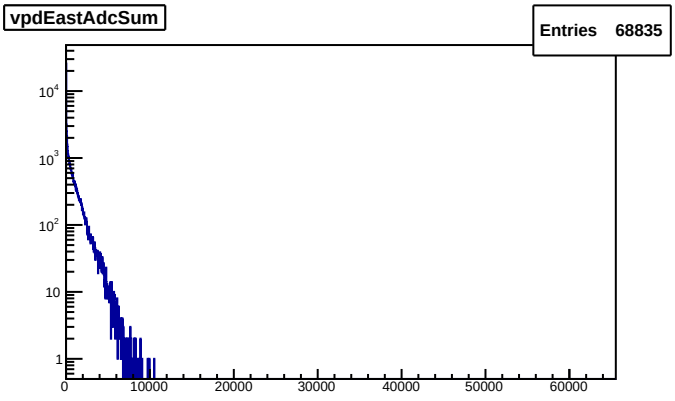

epdWestTac03VsSimu
Entries 0
Data
Simu

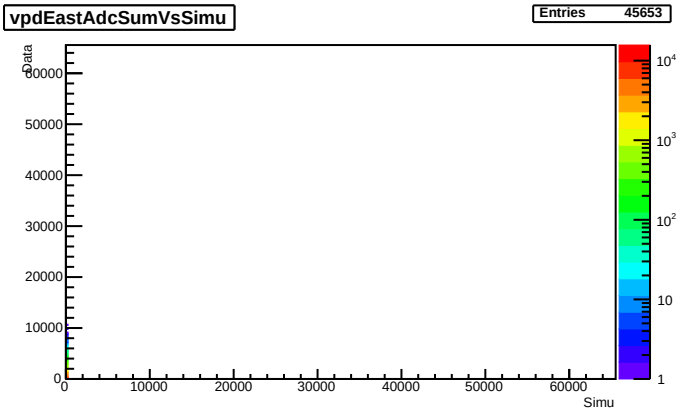

epdWestTac47
Entries 68835

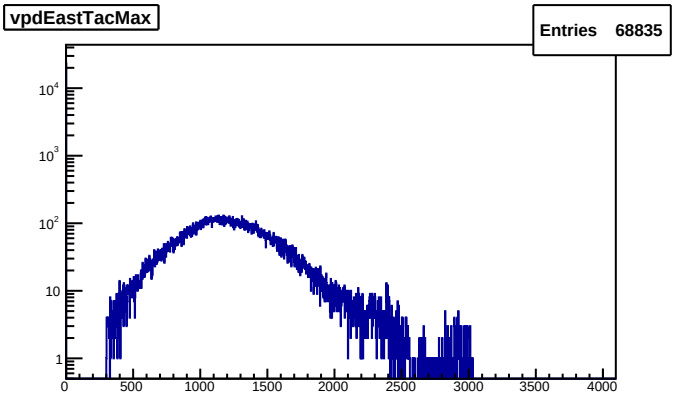

epdWestTac47VsSimu
Entries 0
Data
Simu

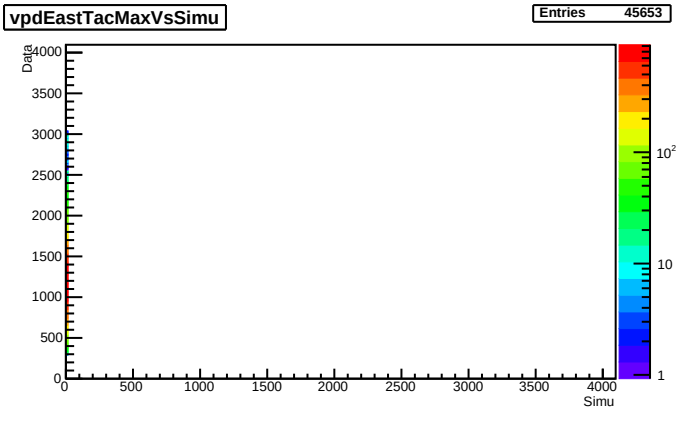

epdWestNHits
Entries 68835

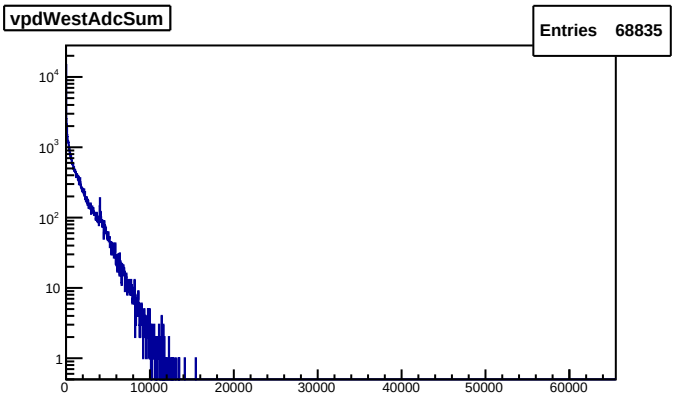

epdWestNHitsVsSimu
Entries 0
Data
Simu

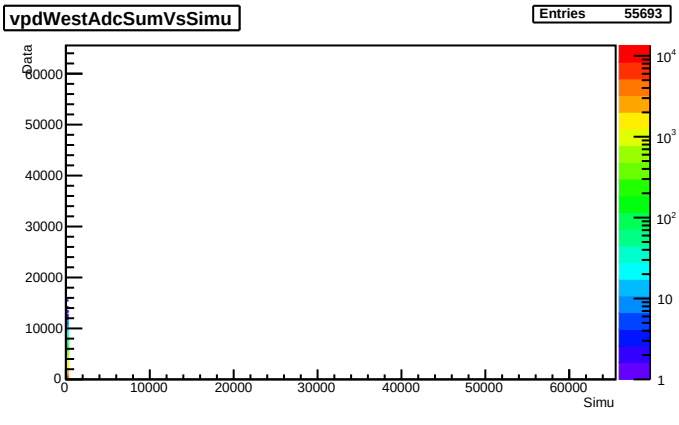

vpdEastAdcSum
Entries 68835

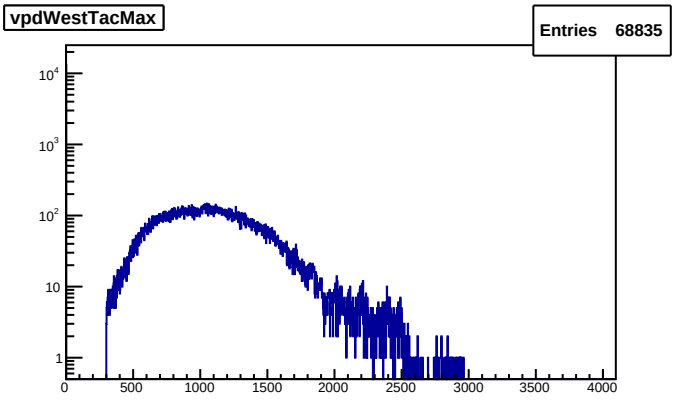

vpdEastAdcSumVsSimu
Entries 45653
Data
Simu

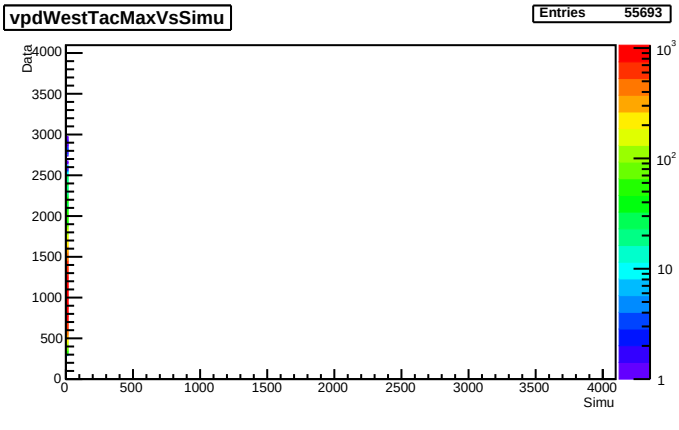

vpdEastTacMax
Entries 68835

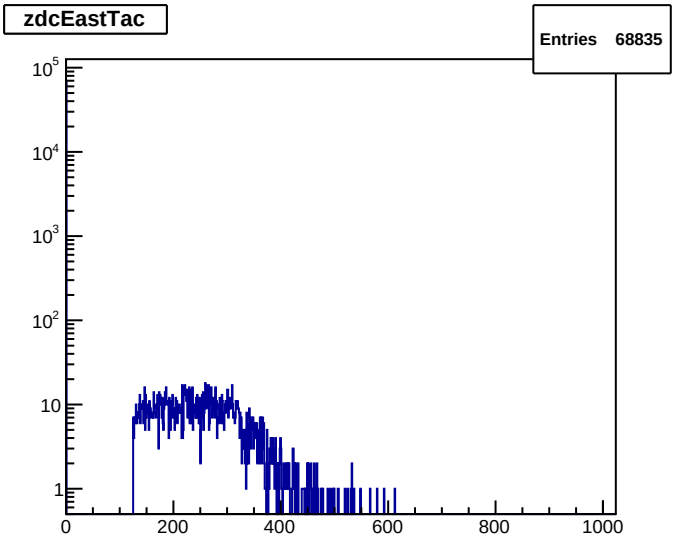

vpdEastTacMaxVsSimu
Entries 45653
Data
Simu

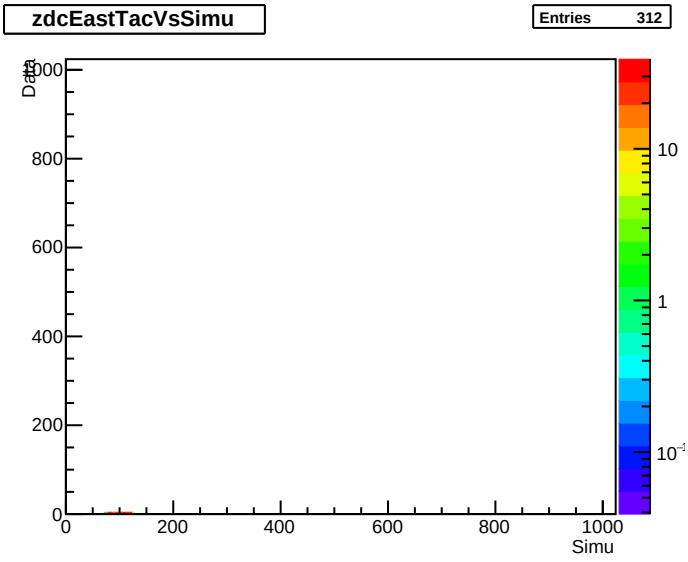

vpdWestAdcSum
Entries 68835

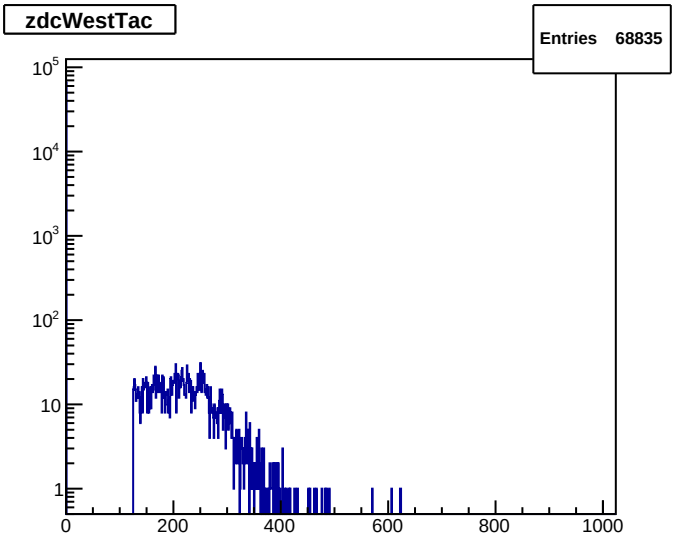

vpdWestAdcSumVsSimu
Entries 55693
Data
Simu

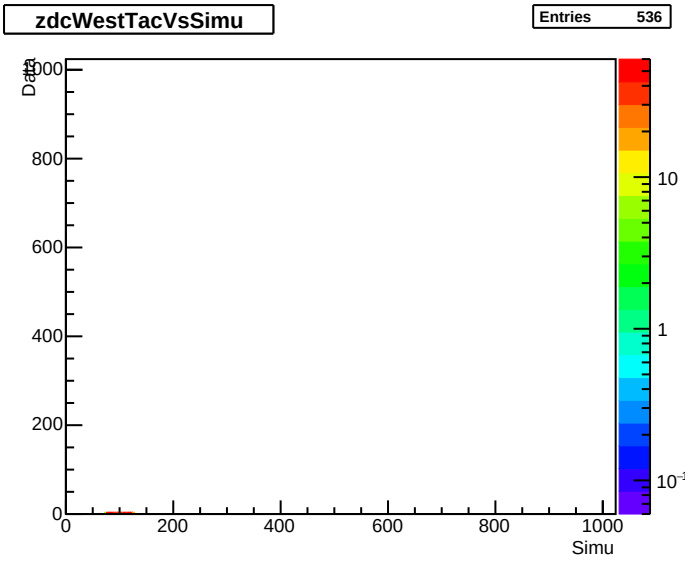

vpdWestTacMax
Entries 68835

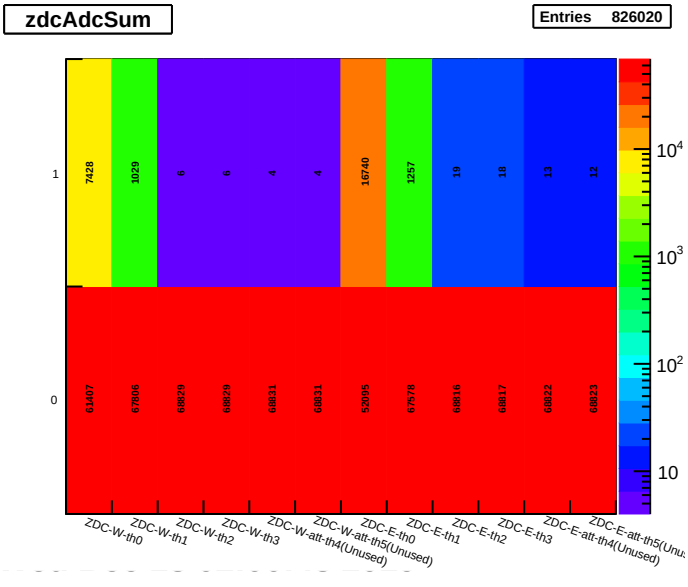

vpdWestTacMaxVsSimu
Entries 55693
Data
Simu

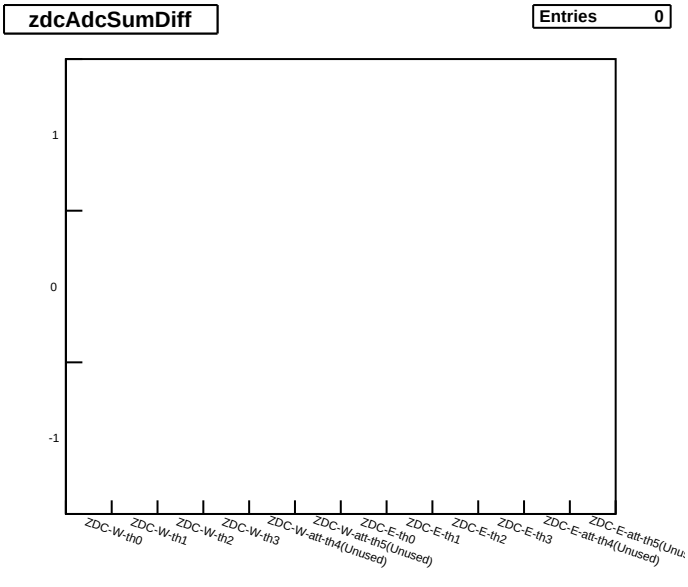

zdcEastTac
Entries 68835

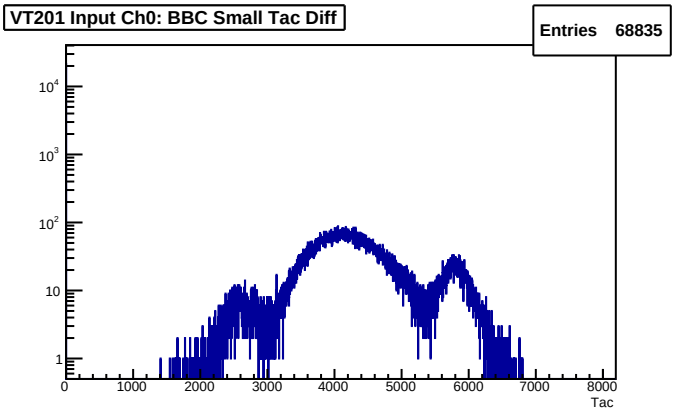

zdcEastTacVsSimu
Entries 312
Data
Simu

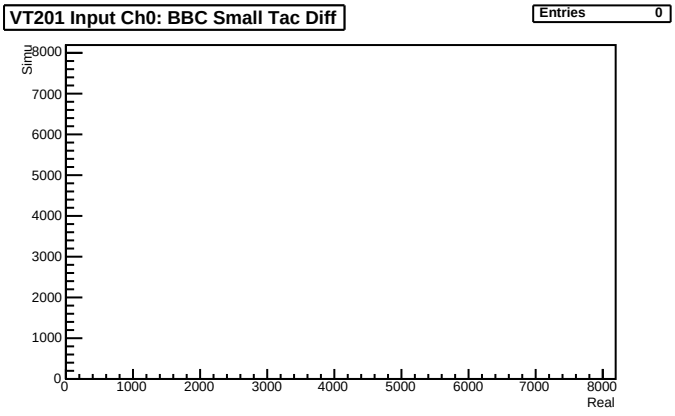

zdcWestTac
Entries 68835

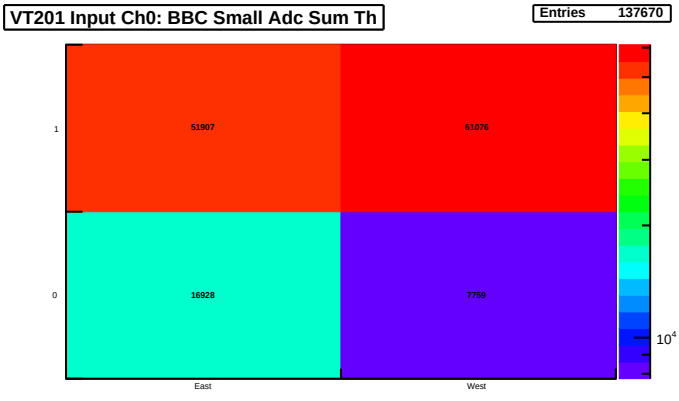

zdcWestTacVsSimu
Entries 536
Data
Simu

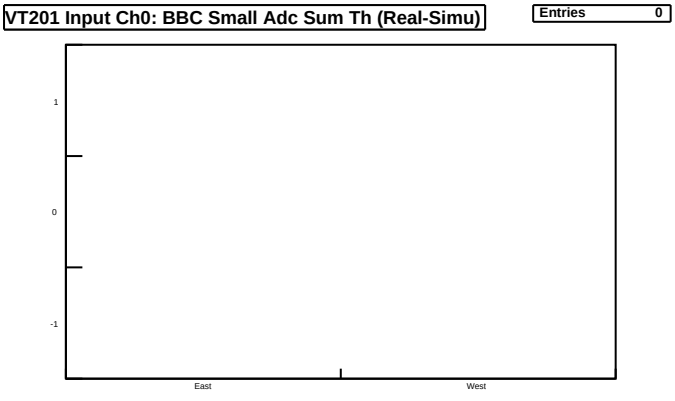

zdcAdcSum
Entries 826020
7428
1029
6
6
4
4
16740
1257
19
18
13
12
61407
67806
68829
68829
68831
68831
52095
67578
68816
68817
68822
68823
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

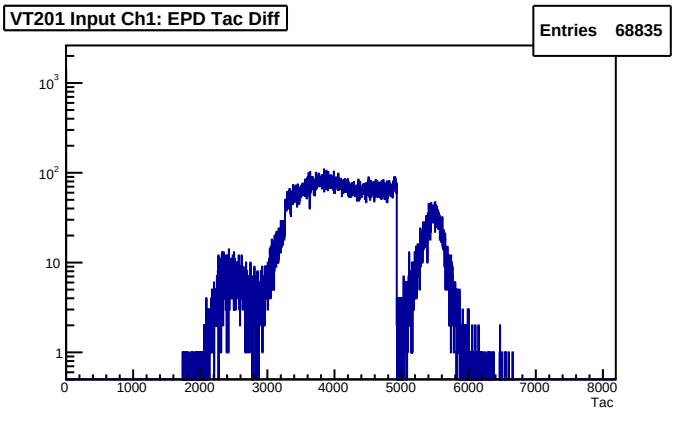

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

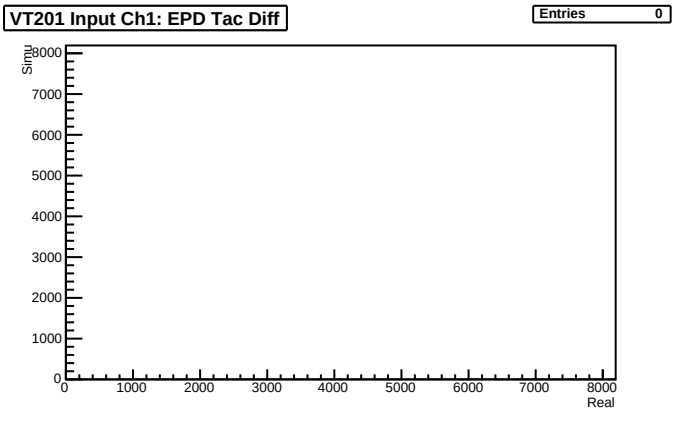

VT201 Input Ch0: BBC Small Tac Diff
Entries 68835
Tac

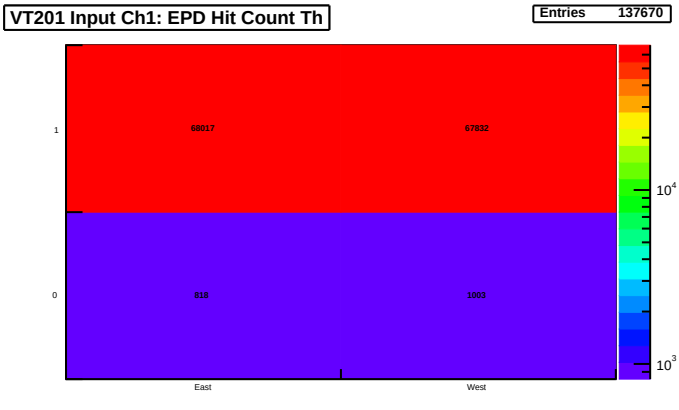

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

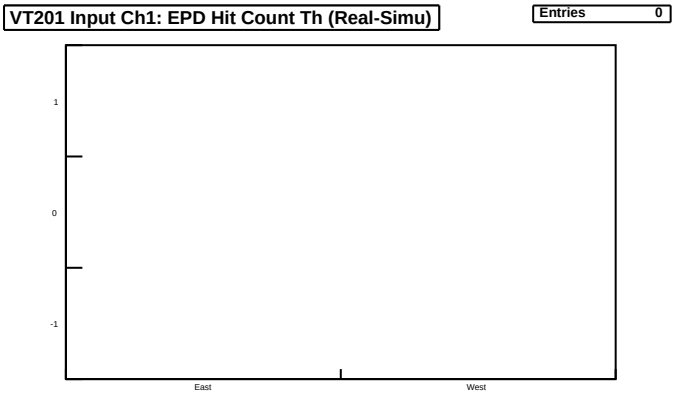

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 137670
51907
61076
16928
7759
East
West

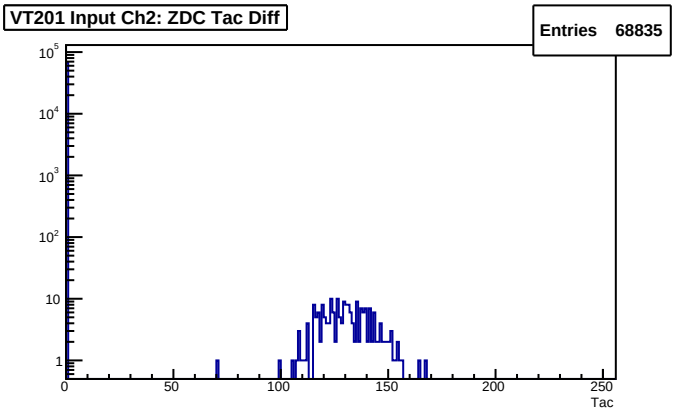

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

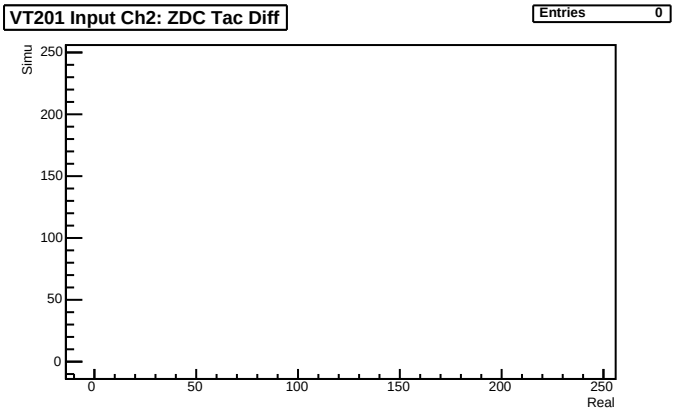

VT201 Input Ch1: EPD Tac Diff
Entries 68835
Tac

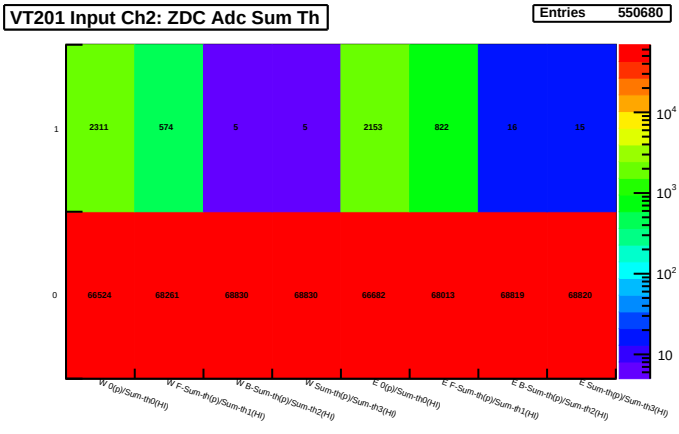

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

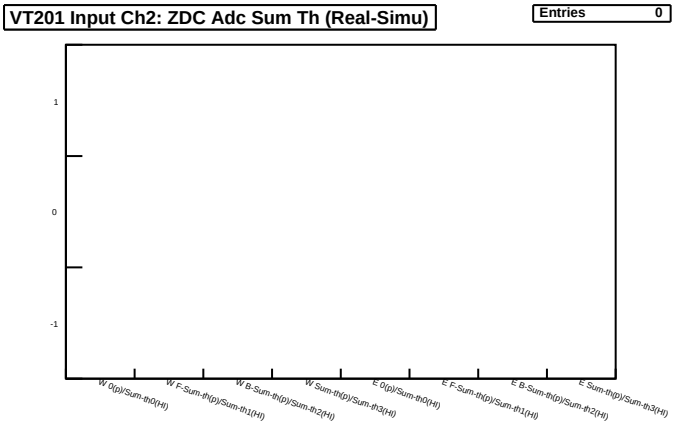

VT201 Input Ch1: EPD Hit Count Th
Entries 137670
68017
67832
818
1003
East
West

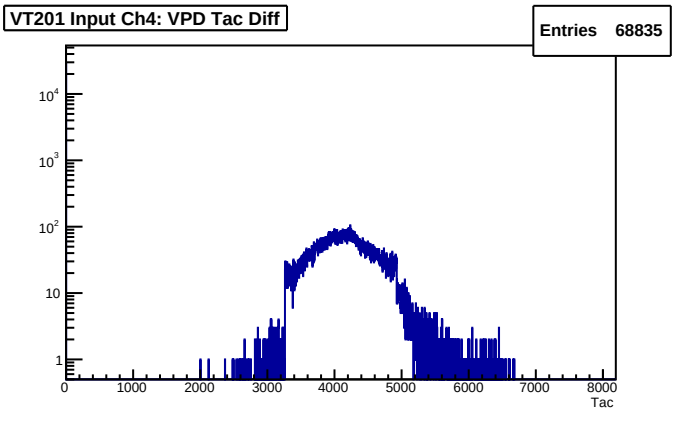

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

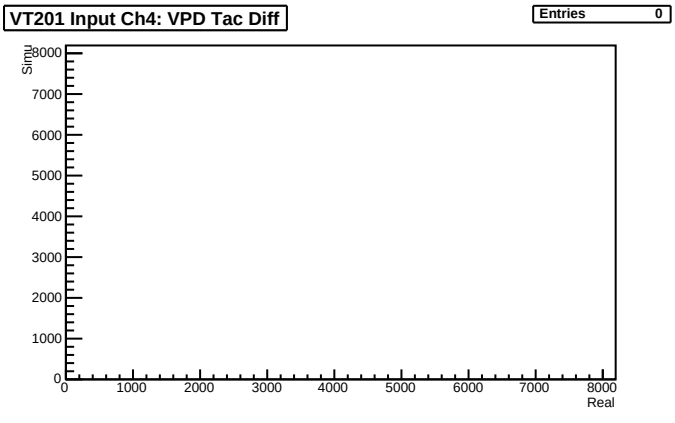

VT201 Input Ch2: ZDC Tac Diff
Entries 68835
Tac

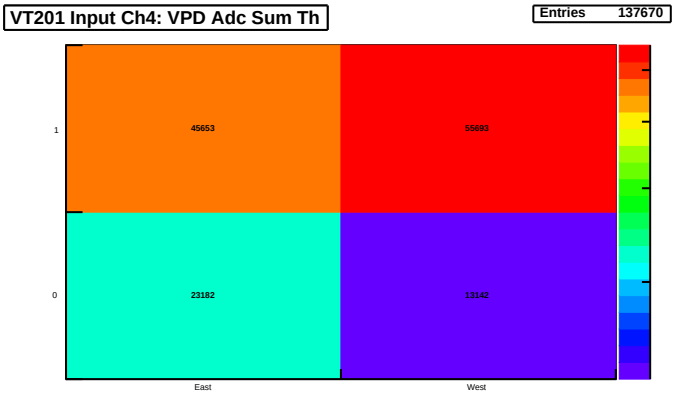

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

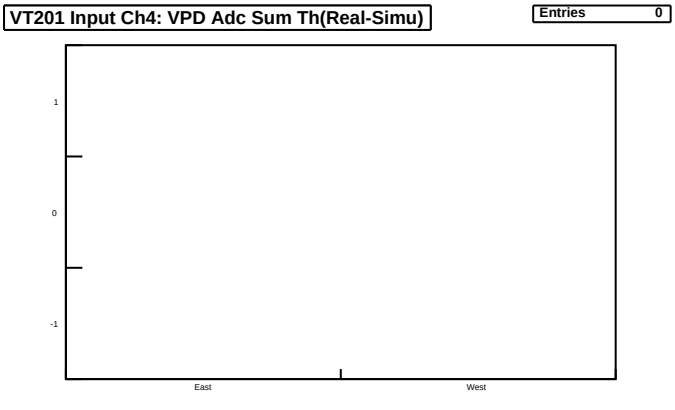

VT201 Input Ch2: ZDC Adc Sum Th
Entries 550680
2311
574
5
5
2153
822
16
15
66524
68261
68830
68830
66682
68013
68819
68820
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

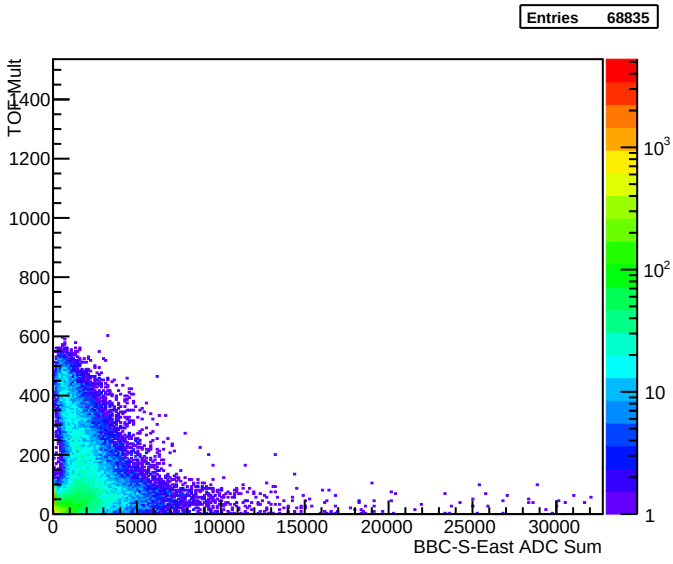

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

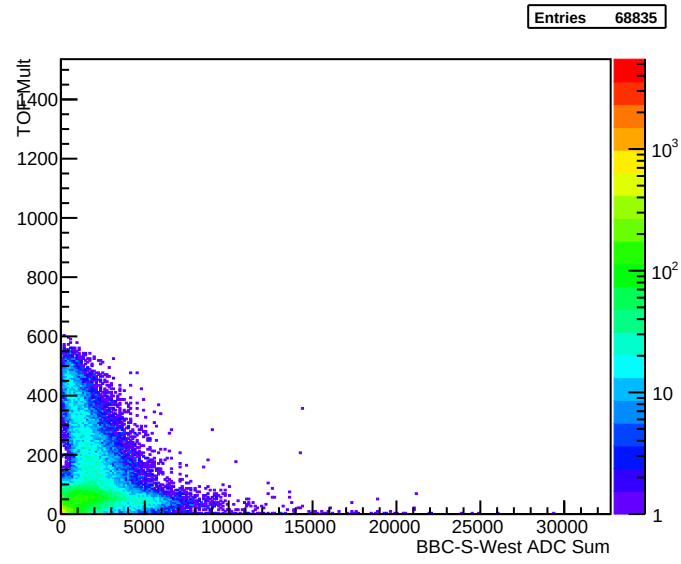

VT201 Input Ch4: VPD Tac Diff
Entries 68835
Tac

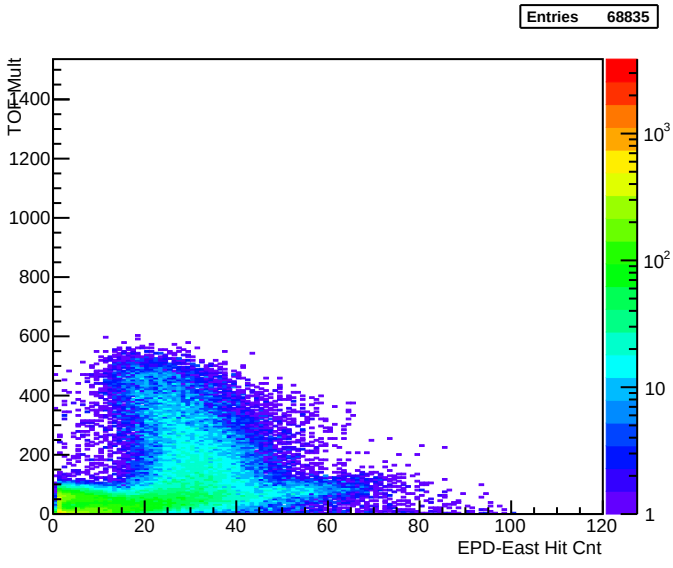

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

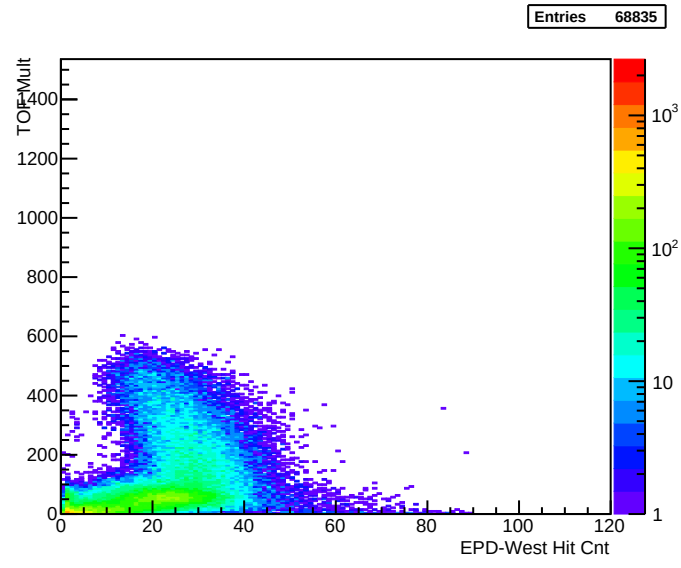

VT201 Input Ch4: VPD Adc Sum Th
Entries 137670
45653
55693
23182
13142
East
West

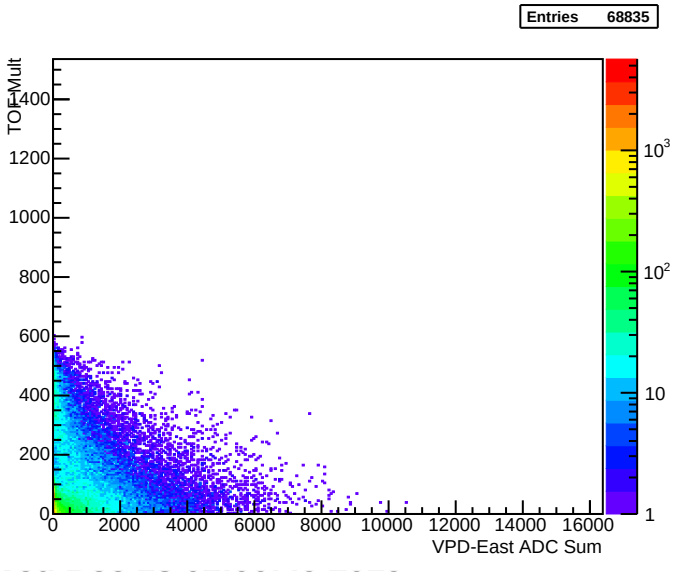

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

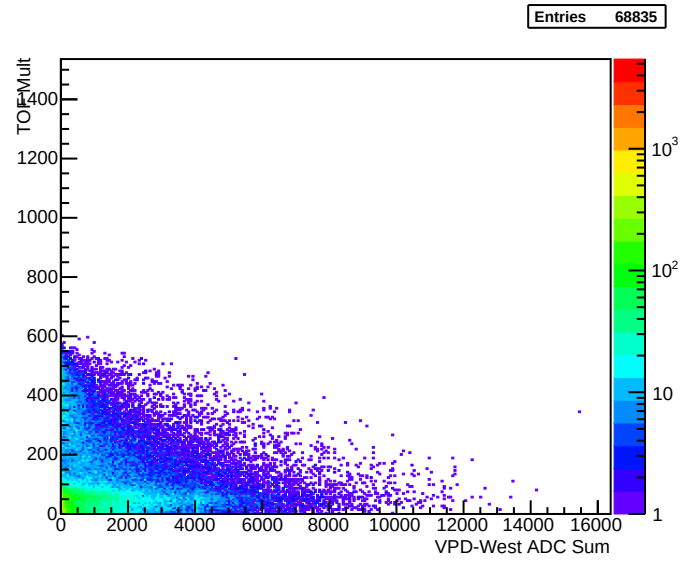

Entries 68835
TOF-Mult
BBC-S-East ADC Sum

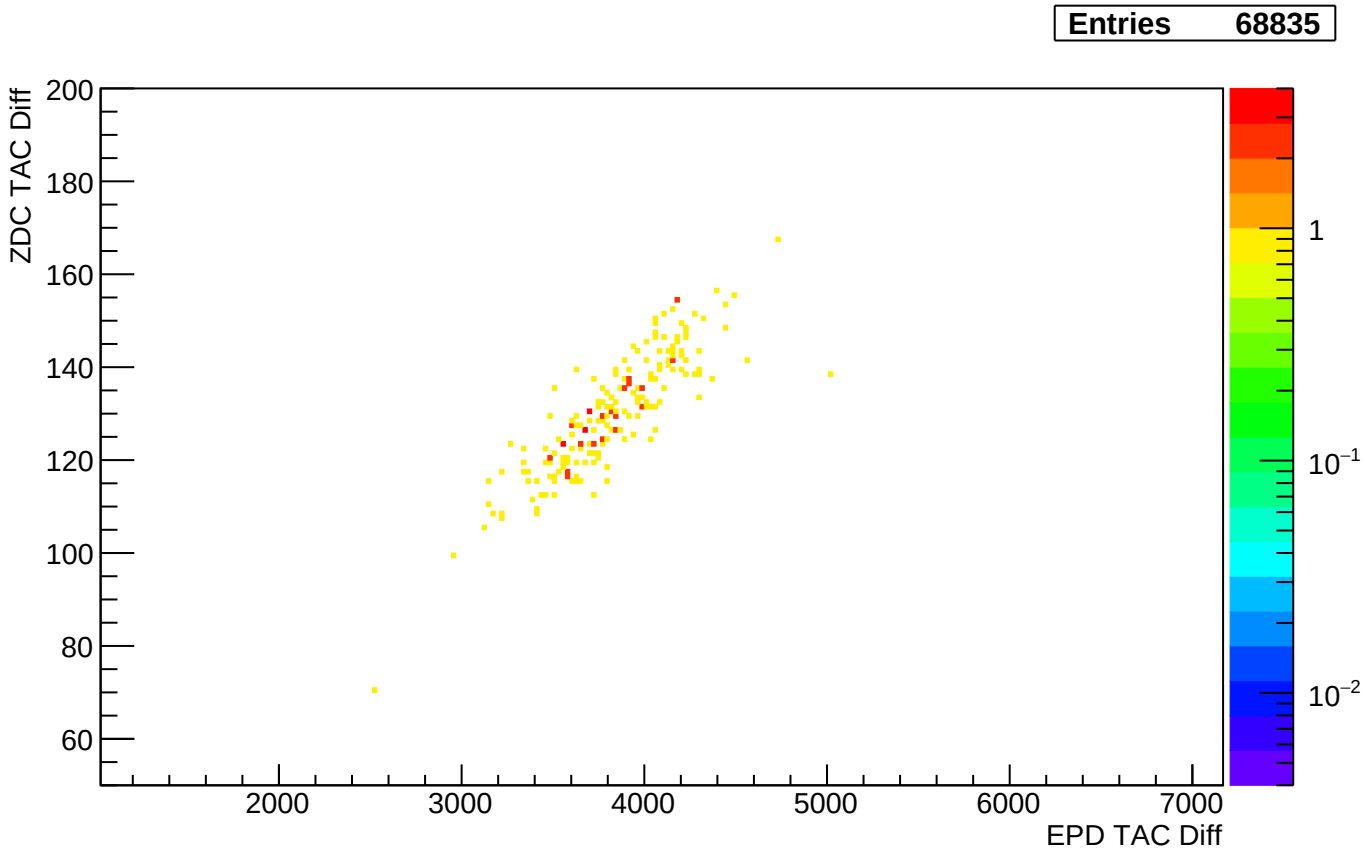

Entries 68835
TOF-Mult
BBC-S-West ADC Sum

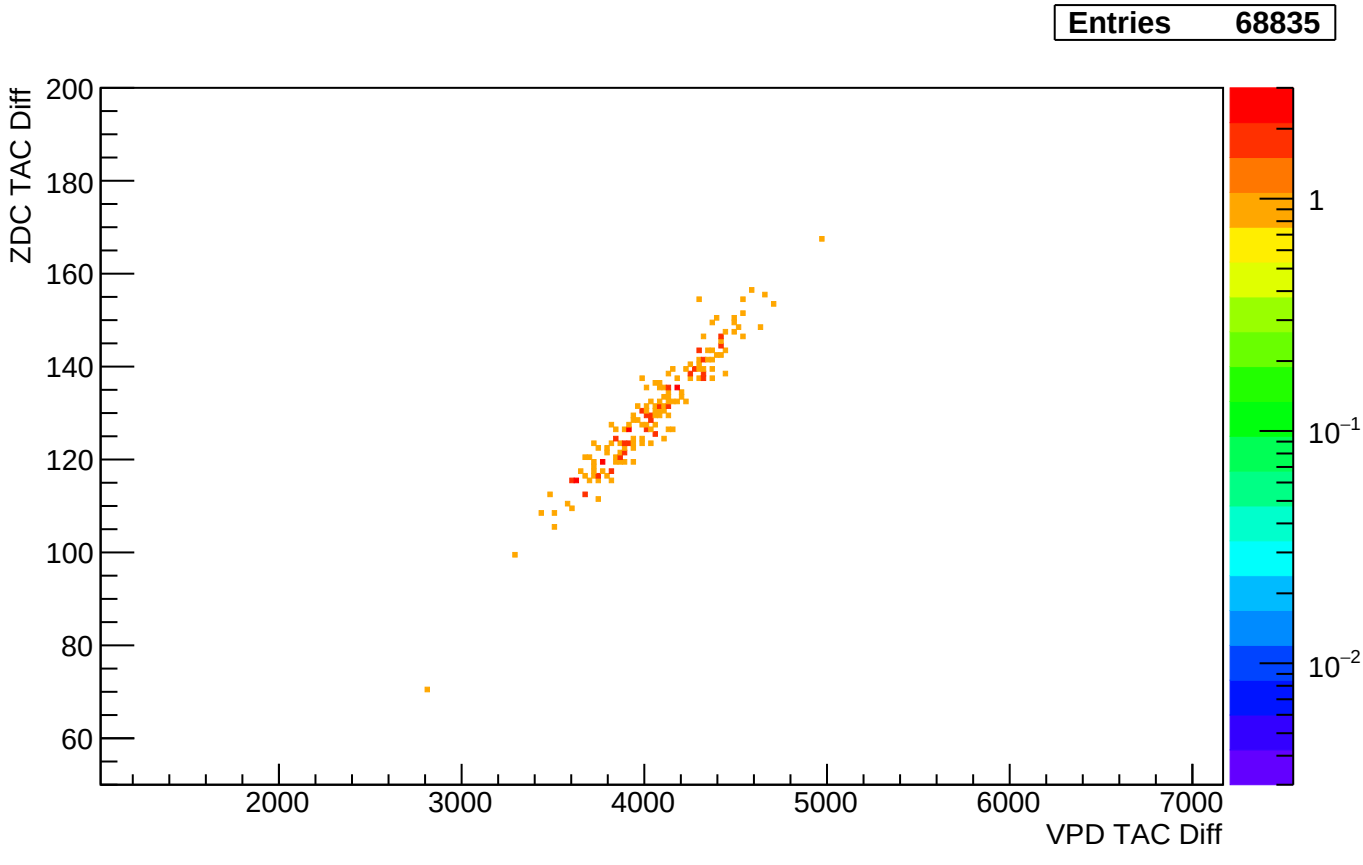

Entries 68835
TOF-Mult
EPD-East Hit Cnt

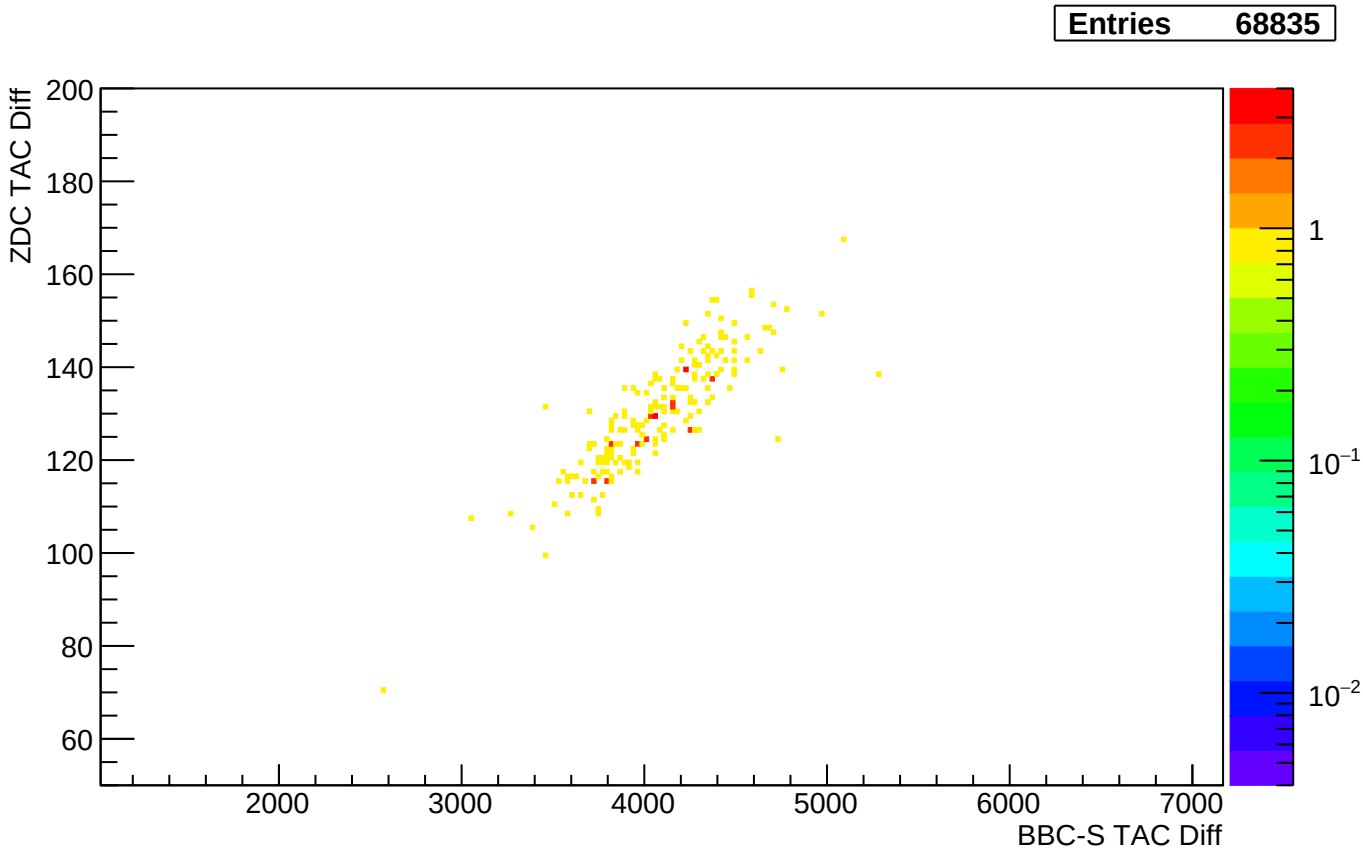

Entries 68835
TOF-Mult
EPD-West Hit Cnt

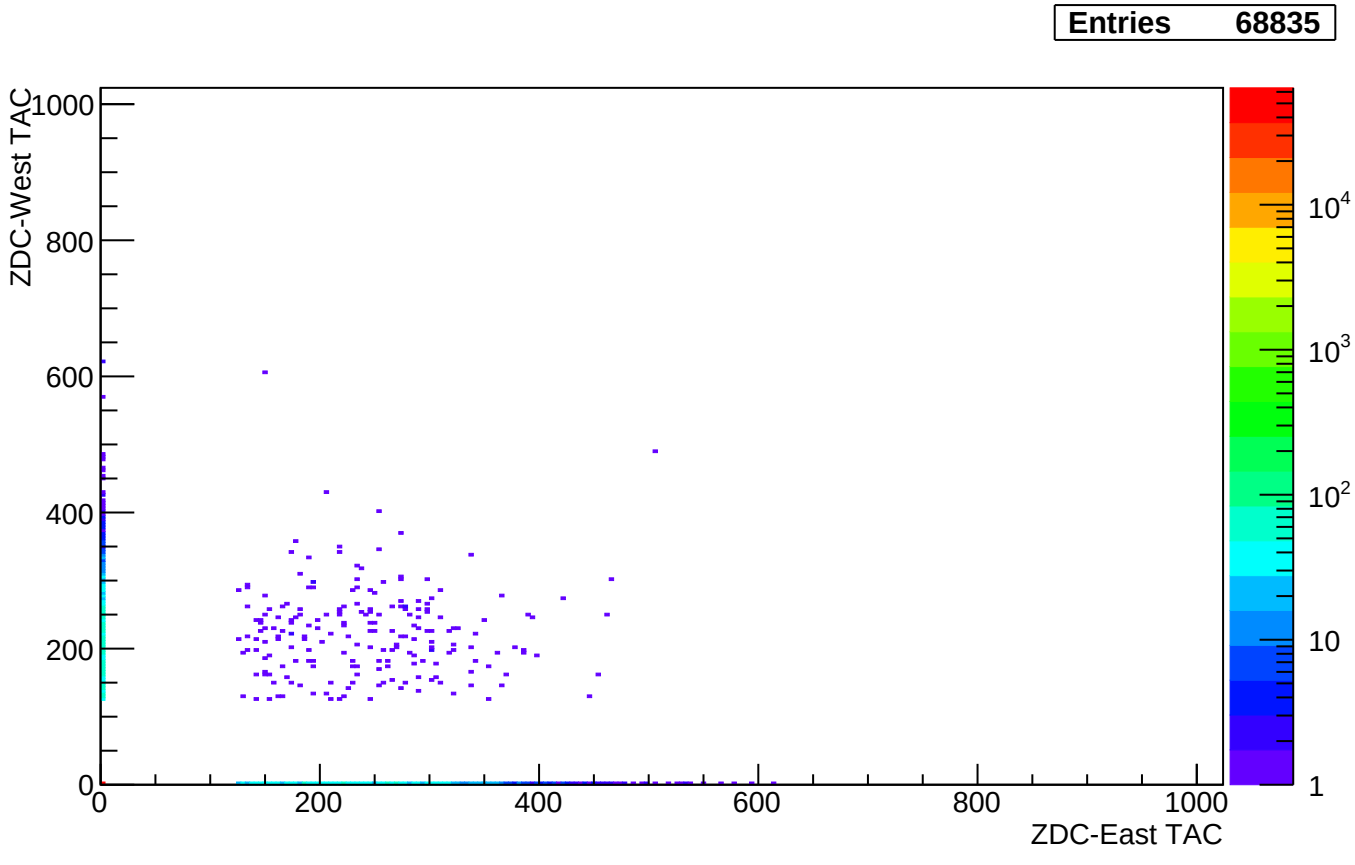

Entries 68835
TOF-Mult
VPD-East ADC Sum

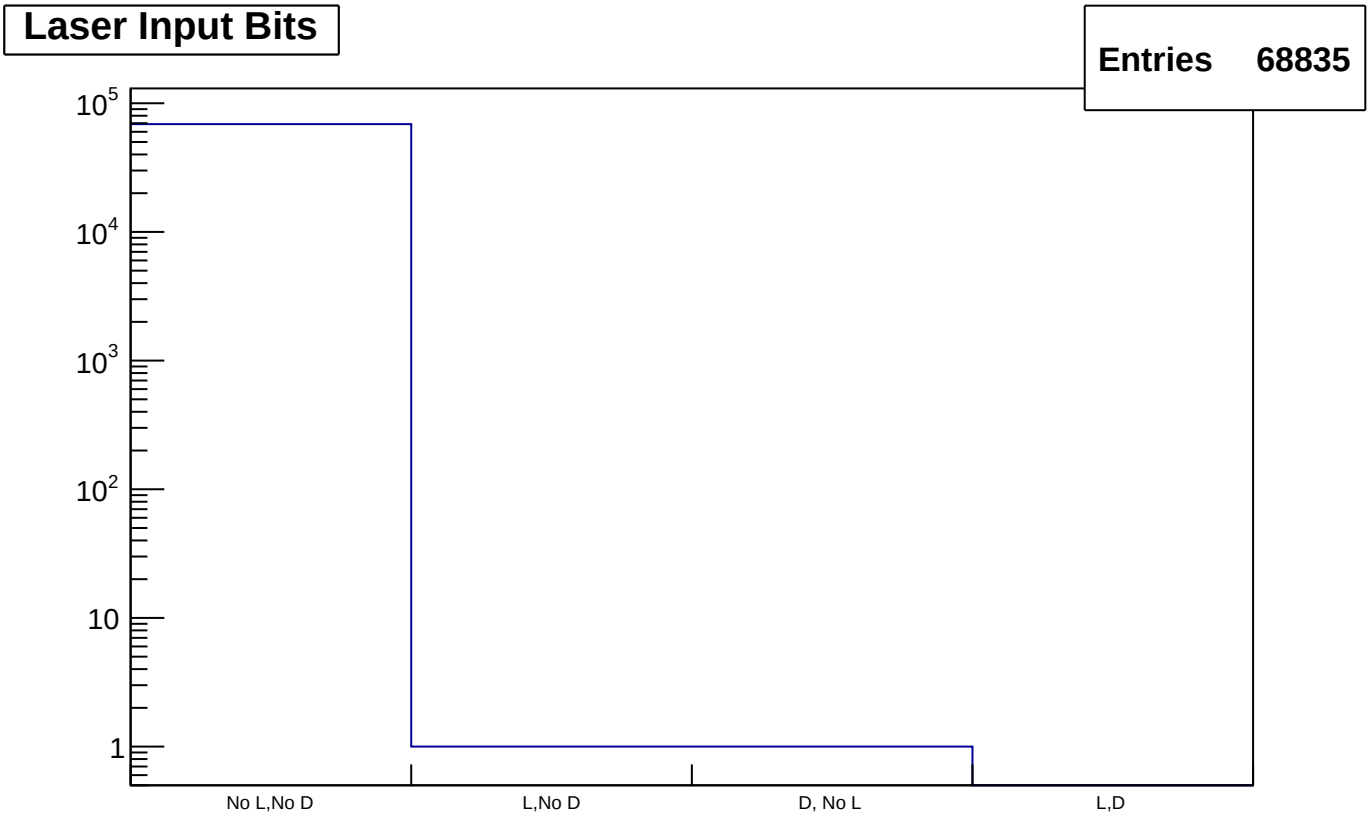

Entries 68835
TOF-Mult
VPD-West ADC Sum

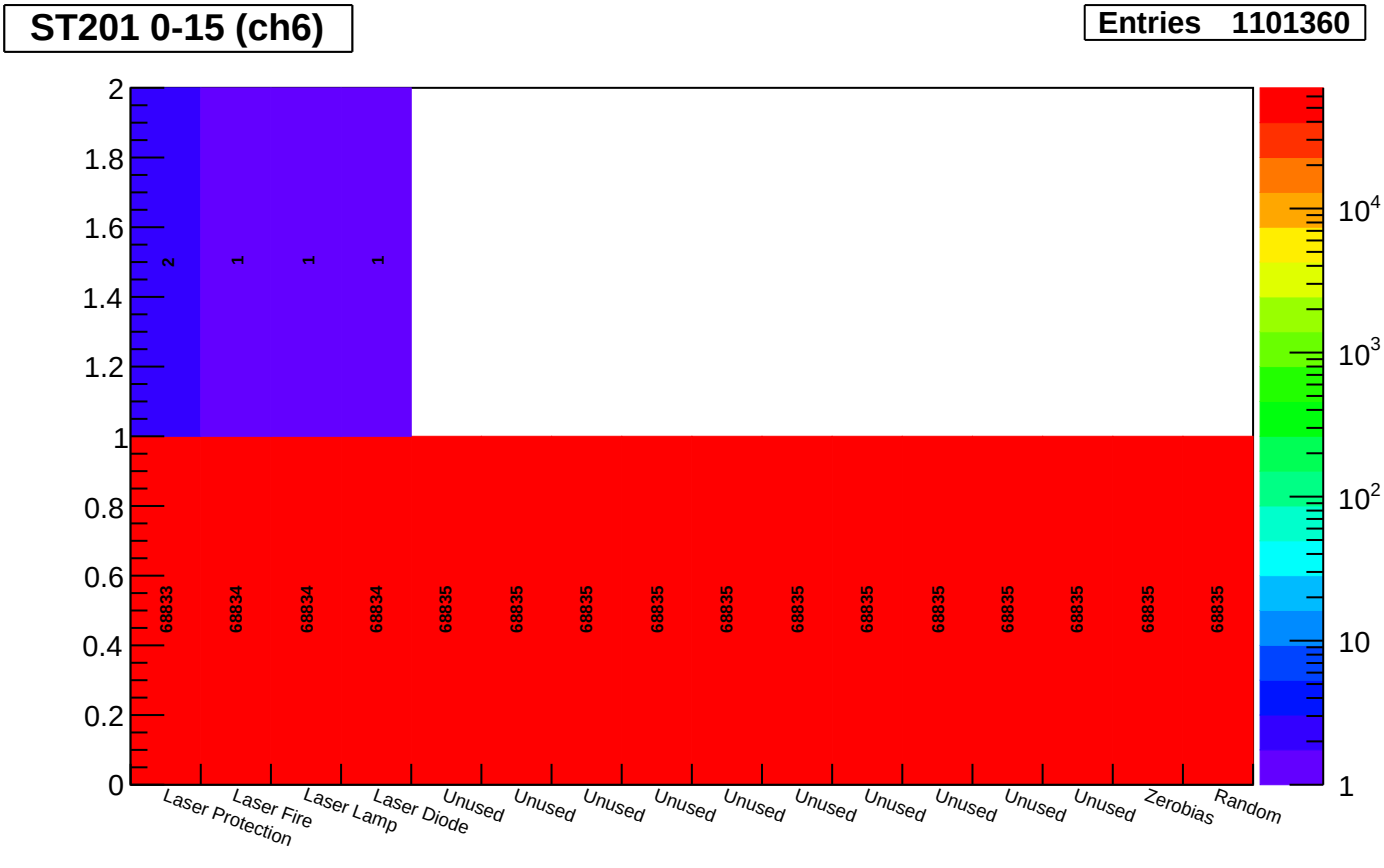

Entries 68835
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

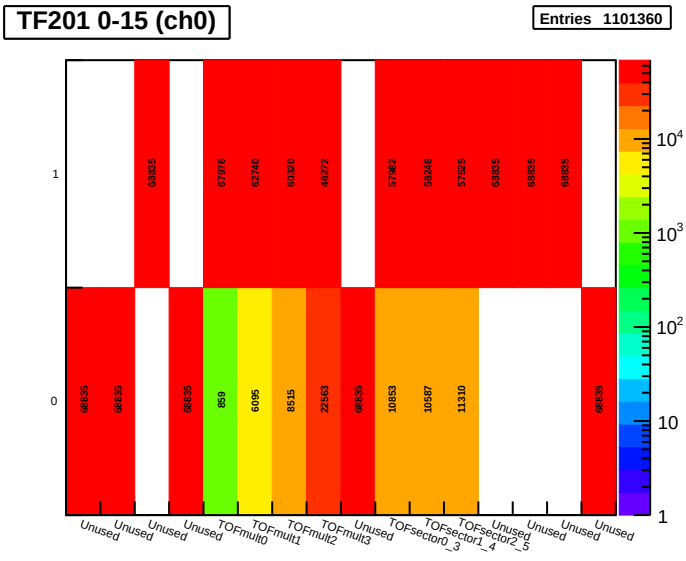

Entries 68835
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

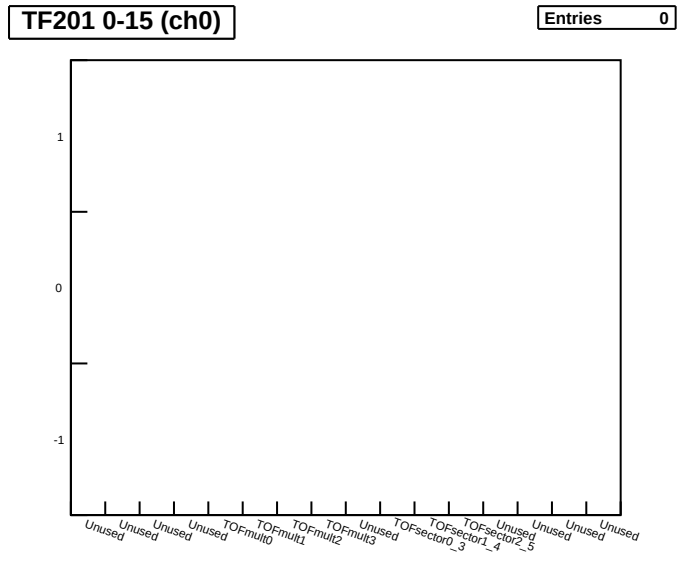

Entries 68835
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

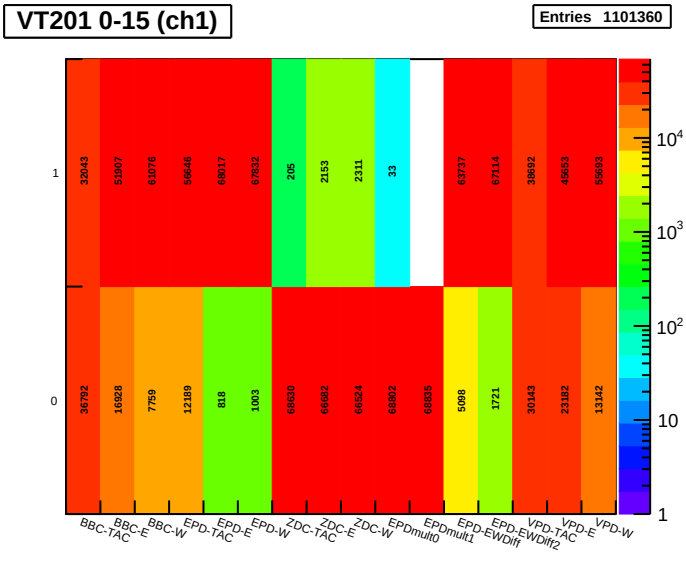

Entries 68835
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

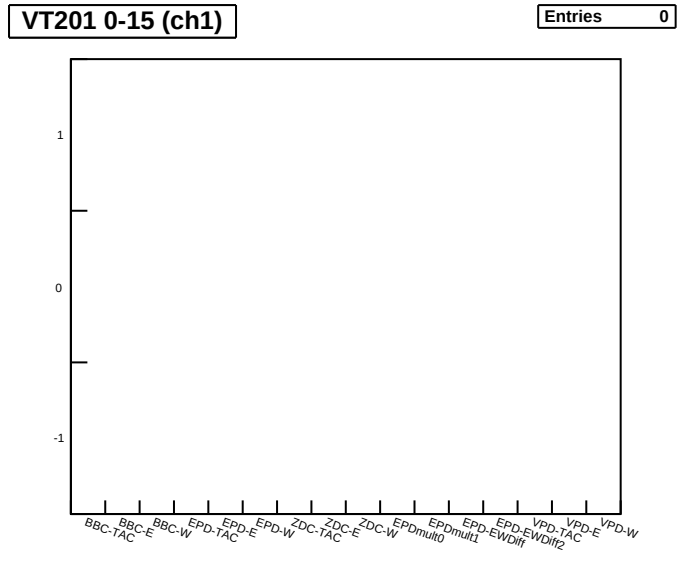

Laser Input Bits
Entries 68835
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

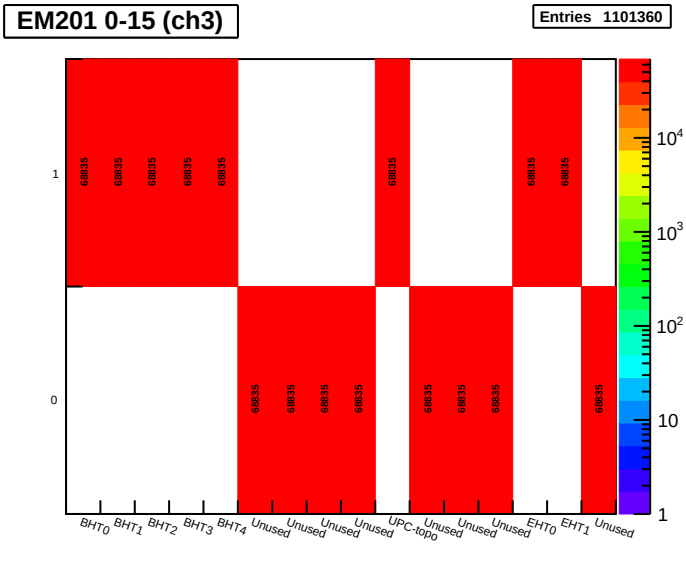

ST201 0-15 (ch6)
Entries 1101360
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
68833
68834
68834
68834
68835
68835
68835
68835
68835
68835
68835
68835
68835
68835
68835
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

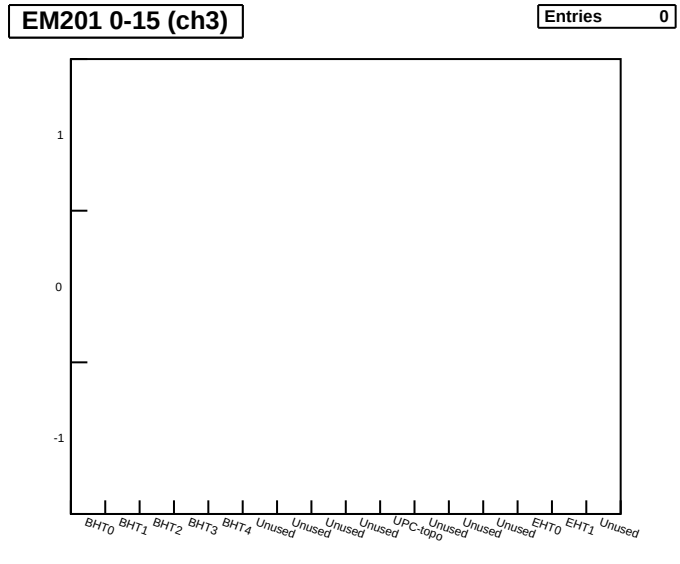

TF201 0-15 (ch0)
Entries 1101360
1
0
68835 67976 62740 60320 46272 57962 58248 57525 68835 68835 68835
68835 68835 68835 859 6095 8515 22563 68835 10853 10587 11310 68835
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused 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 Unused


VT201 0-15 (ch1)
Entries 1101360
1
0
32043 51907 61076 56646 68017 67832 205 2153 2311 33 63737 67114 38692 45653 55693
36792 16928 7759 12189 818 1003 68630 66682 66524 68802 68835 5098 1721 30143 23182 13142
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 1101360
1
0
68835 68835 68835 68835 68835 68835 68835 68835 68835
68835 68835 68835 68835 68835 68835 68835 68835
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