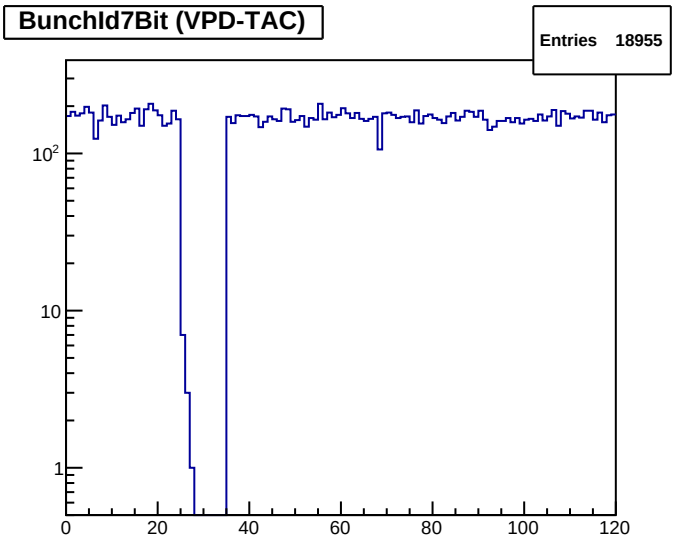
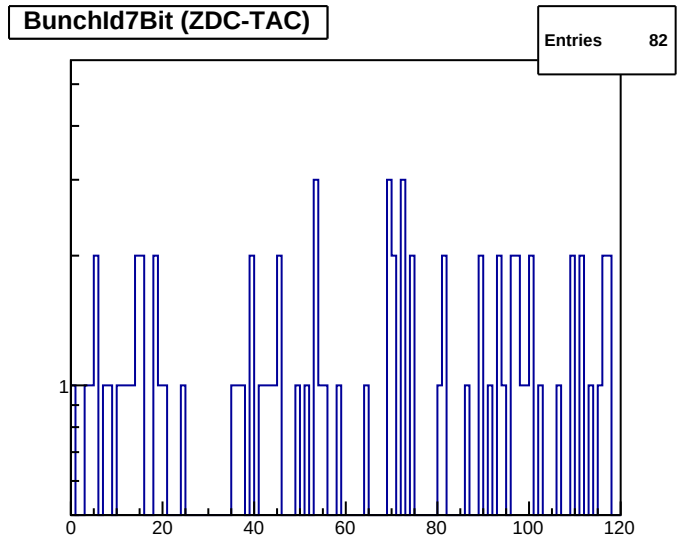
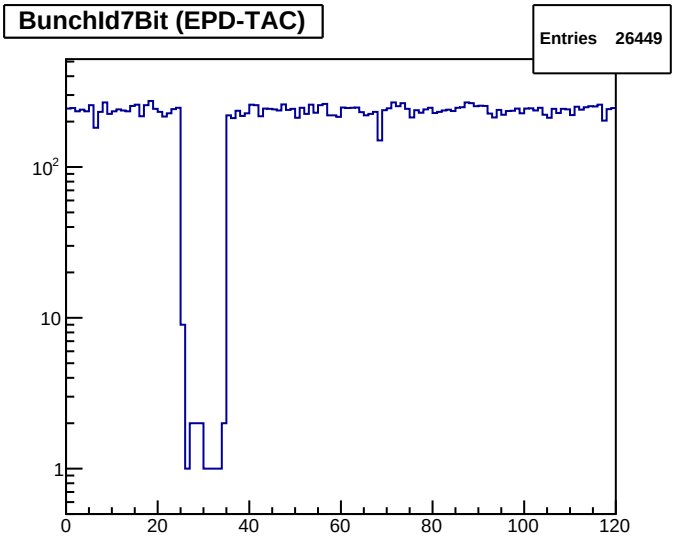
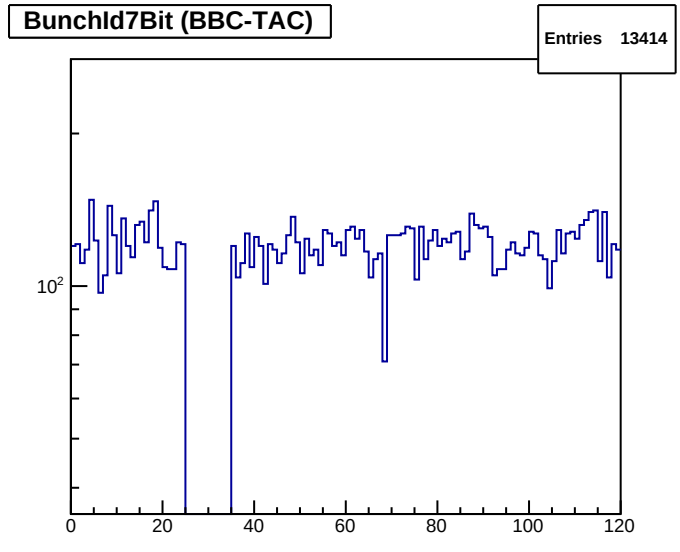
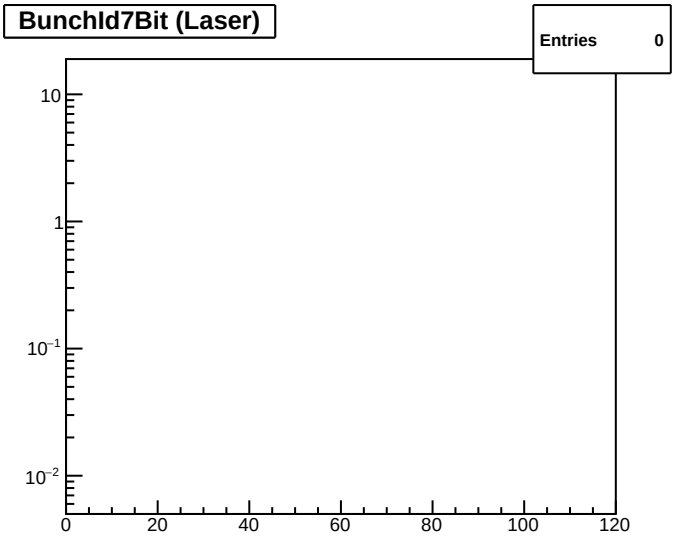
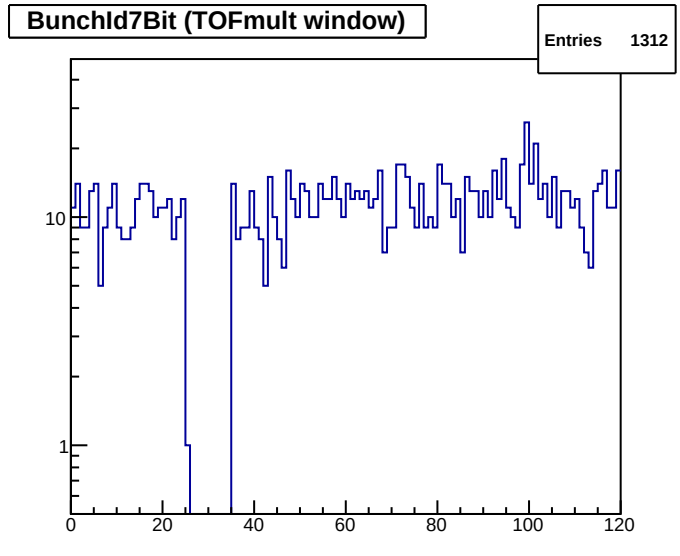

BunchId7Bit (VPD-TAC)
Entries 18955
10^2
10
1
0
20
40
60
80
100
120

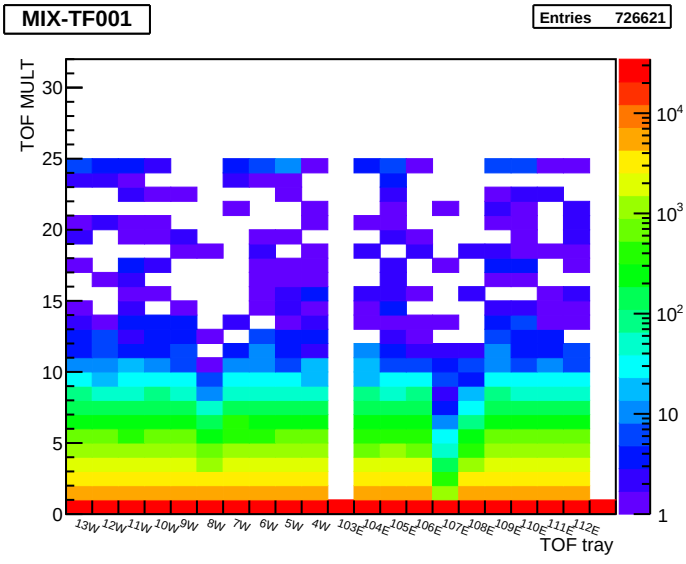

BunchId7Bit (ZDC-TAC)
Entries 82
1
0
20
40
60
80
100
120

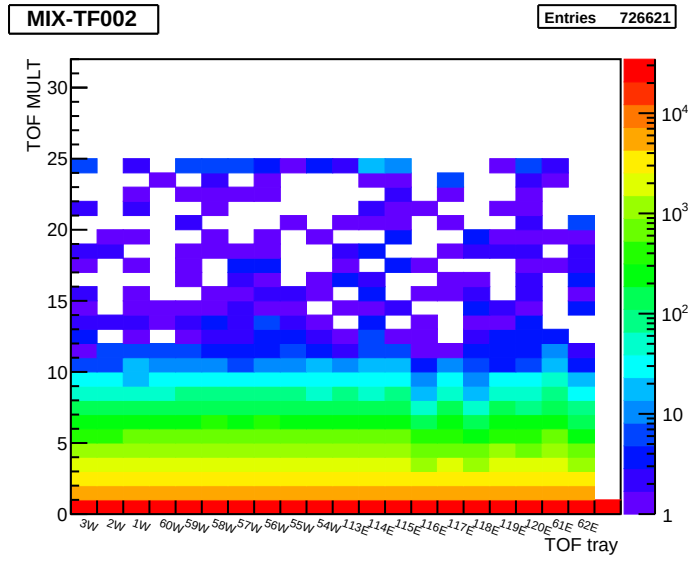

BunchId7Bit (EPD-TAC)
Entries 26449
10^2
10
1
0
20
40
60
80
100
120

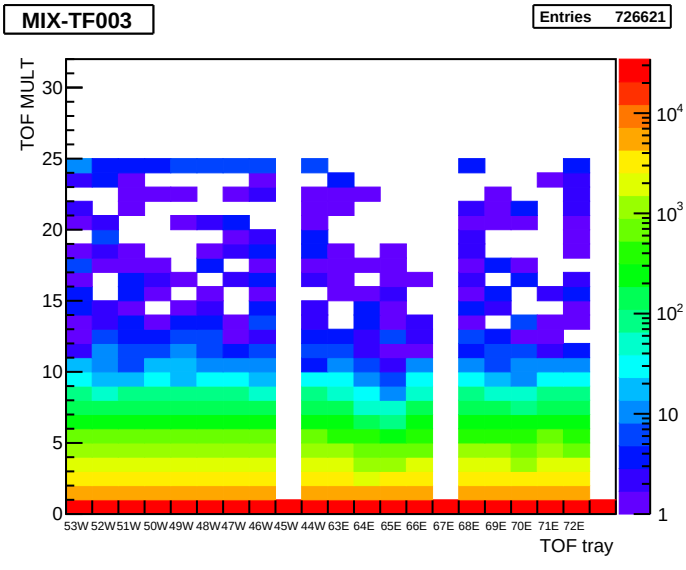

BunchId7Bit (BBC-TAC)
Entries 13414
10^2
0
20
40
60
80
100
120

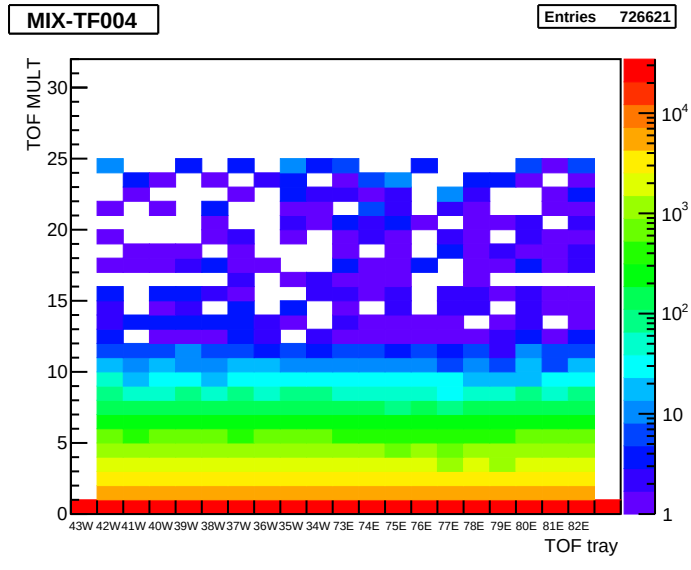

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

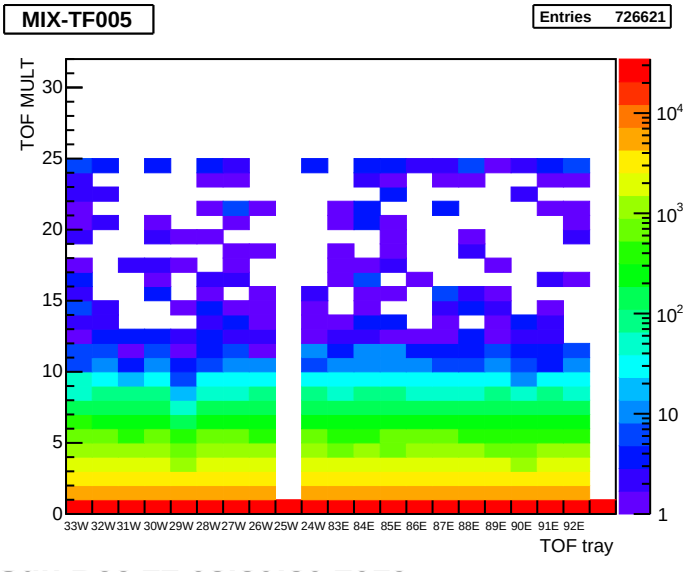

BunchId7Bit (TOFmult window)
Entries 1312
10
1
0
20
40
60
80
100
120

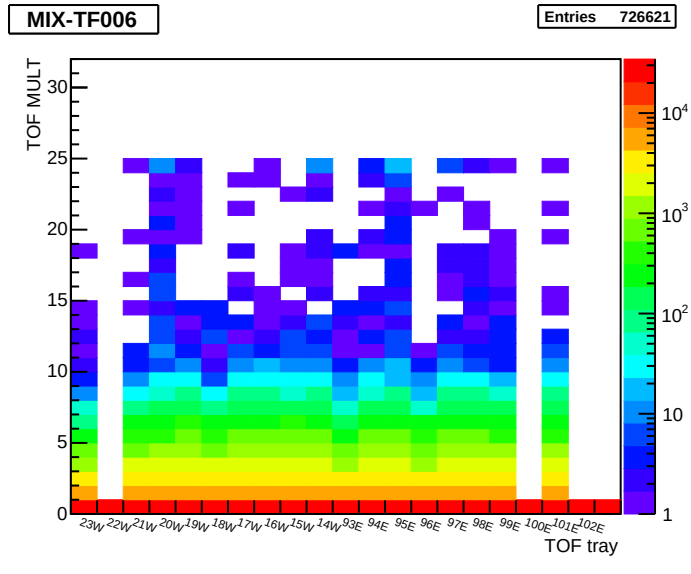

MIX-TF001
Entries 726621
TOF MULT
TOF tray

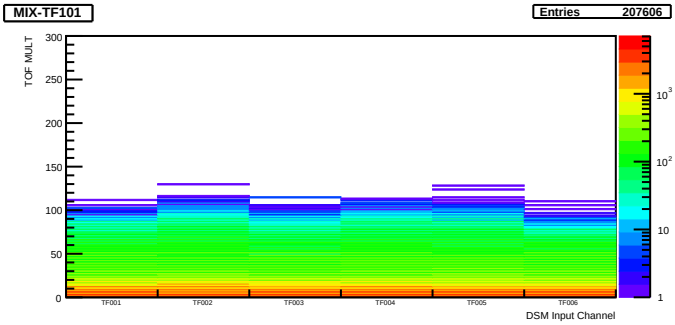

MIX-TF002
Entries 726621
TOF MULT
TOF tray

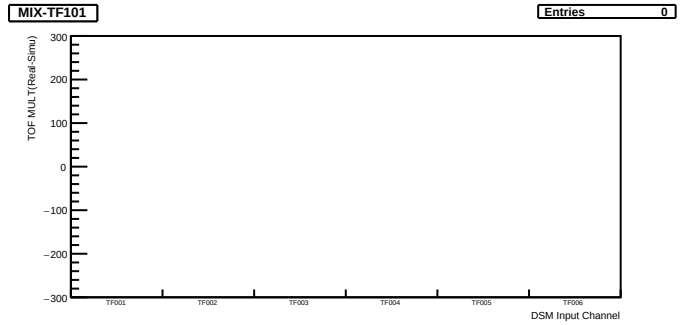

MIX-TF003
Entries 726621
TOF MULT
TOF tray

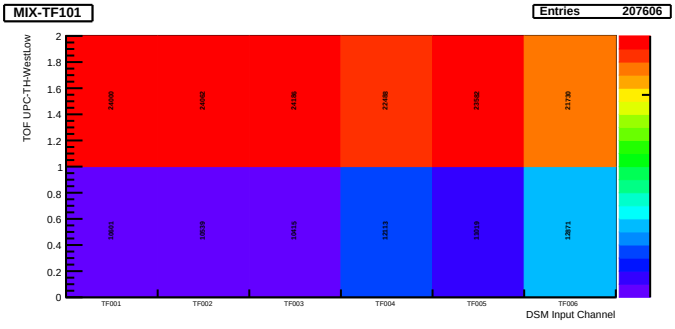

MIX-TF004
Entries 726621
TOF MULT
TOF tray

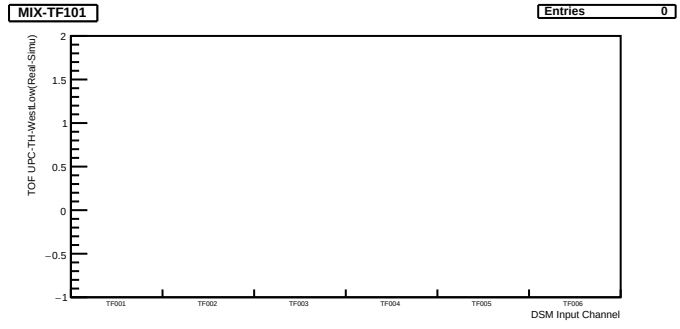

MIX-TF005
Entries 726621
TOF MULT
TOF tray

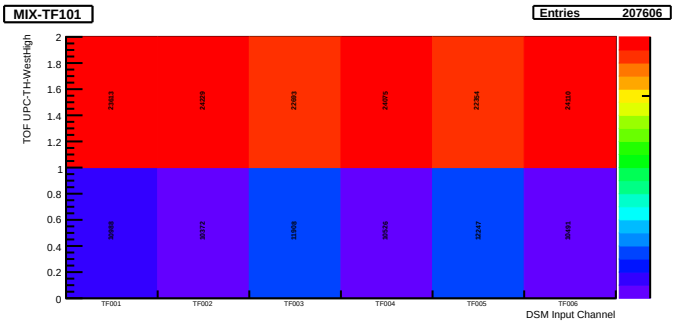

MIX-TF006
Entries 726621
TOF MULT
TOF tray

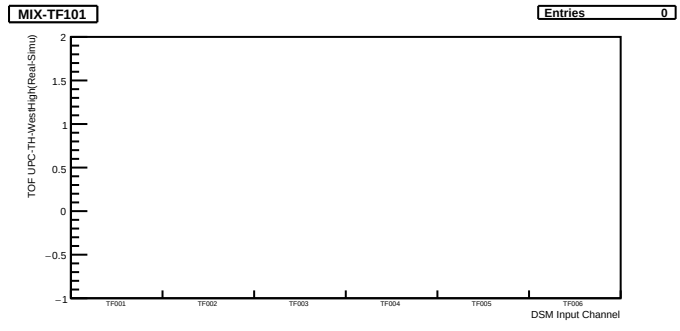

MIX-TF101
Entries 207606
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

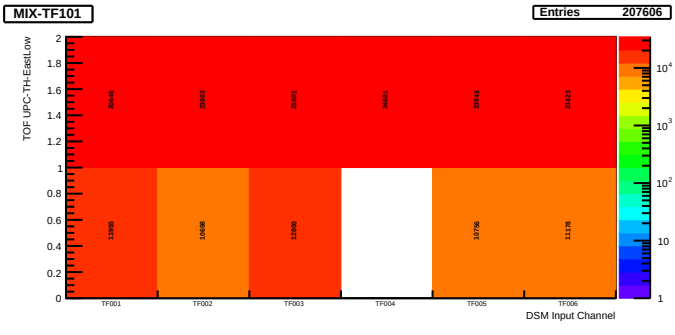

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

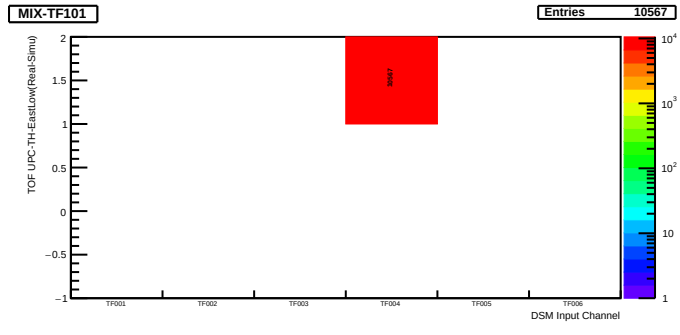

MIX-TF101
Entries 207606
TOF UPC-TH-WestLow
24000
24042
24136
22488
23582
21730
16601
16639
16415
12313
13019
12871
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

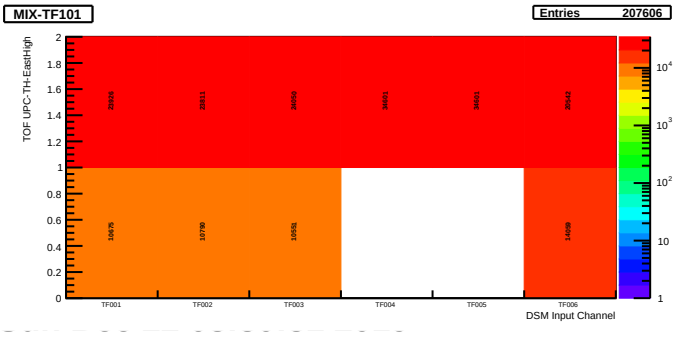

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

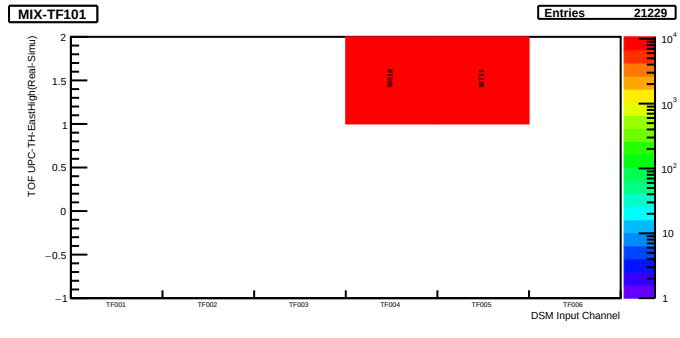

MIX-TF101
Entries 207606
TOF UPC-TH-WestHigh
23613
24229
23893
24075
22364
24110
16968
16372
15968
16536
12227
13401
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

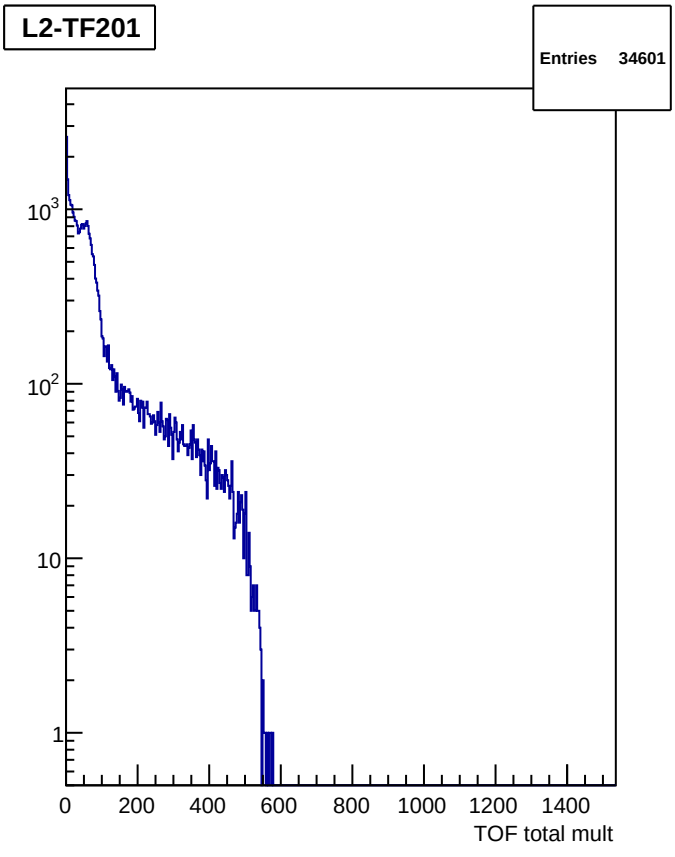

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

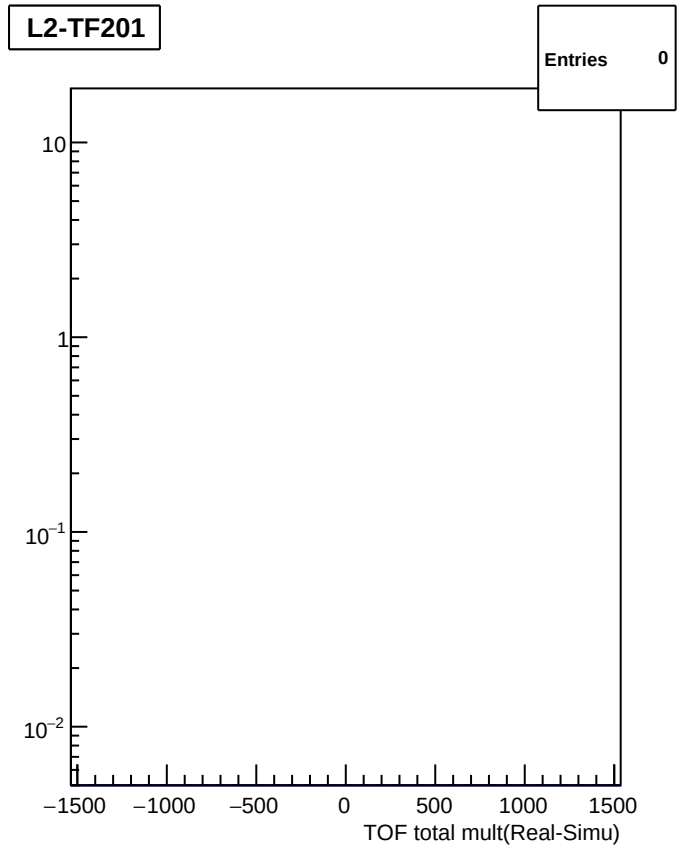

MIX-TF101
Entries 207606
TOF UPC-TH-EastLow
26446
23903
25491
34601
25545
28423
13988
16698
12830
10796
11178
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

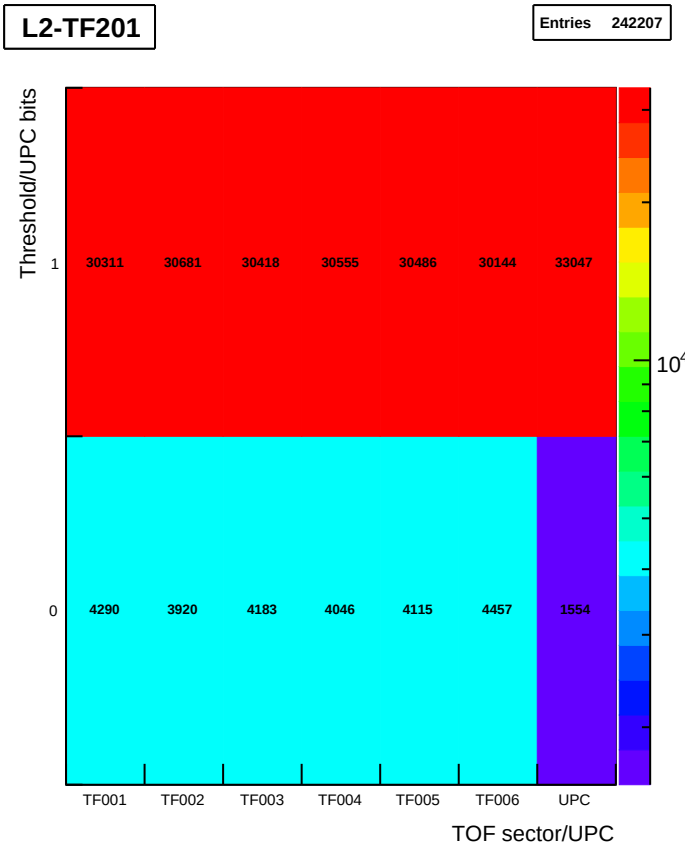

MIX-TF101
Entries 10567
TOF UPC-TH-EastLow(Real-Simu)
10567
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

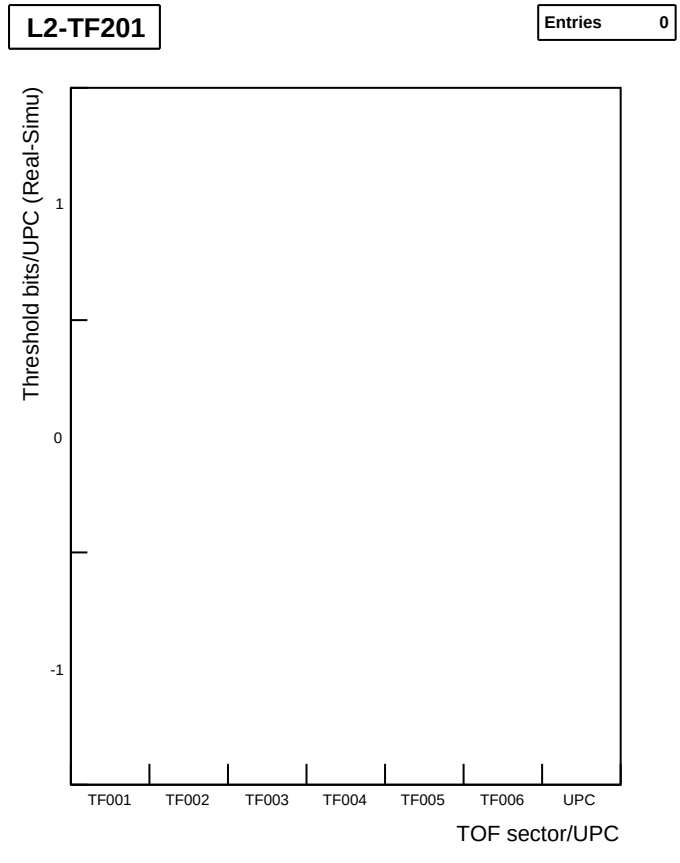

MIX-TF101
Entries 207606
TOF UPC-TH-EastHigh
25426
23511
26456
34601
34601
28542
16675
16790
16958
14049
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

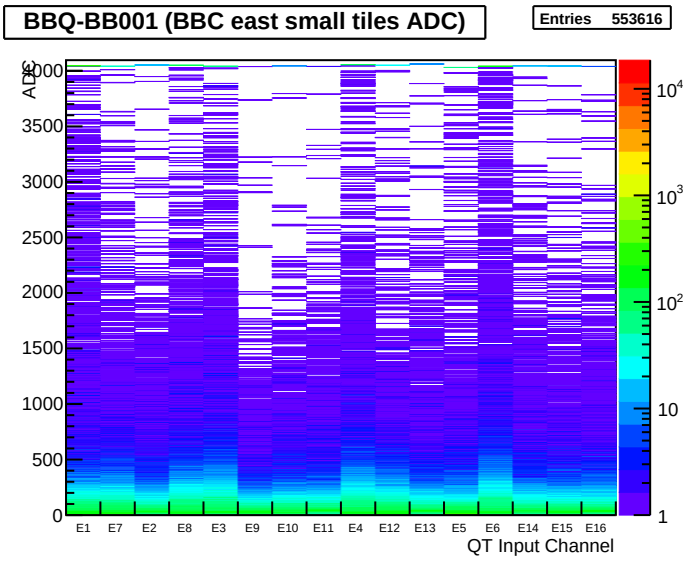

MIX-TF101
Entries 21229
TOF UPC-TH-EastHigh(Real-Simu)
10518
10711
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

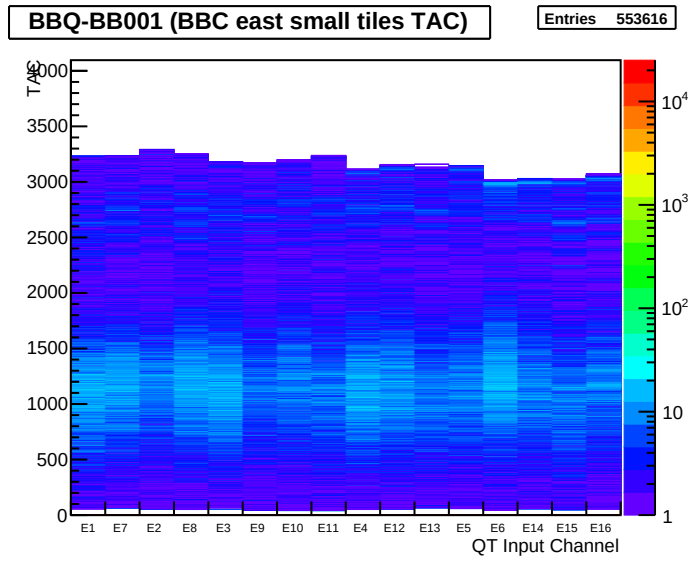

L2-TF201
Entries 34601
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

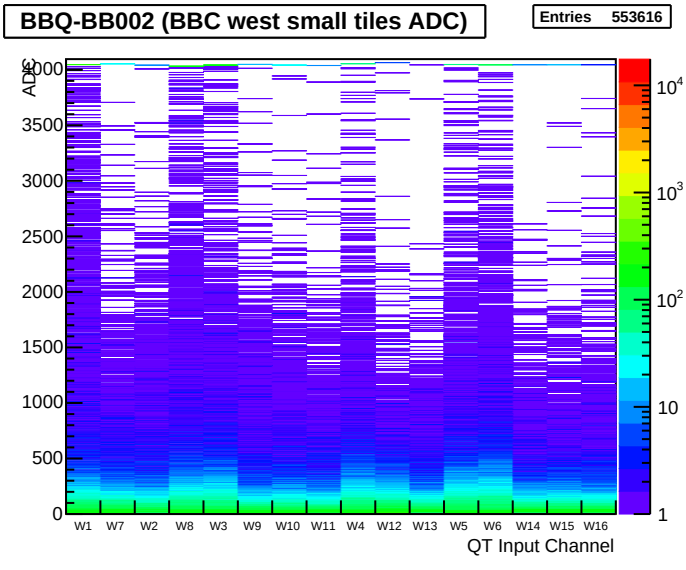

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

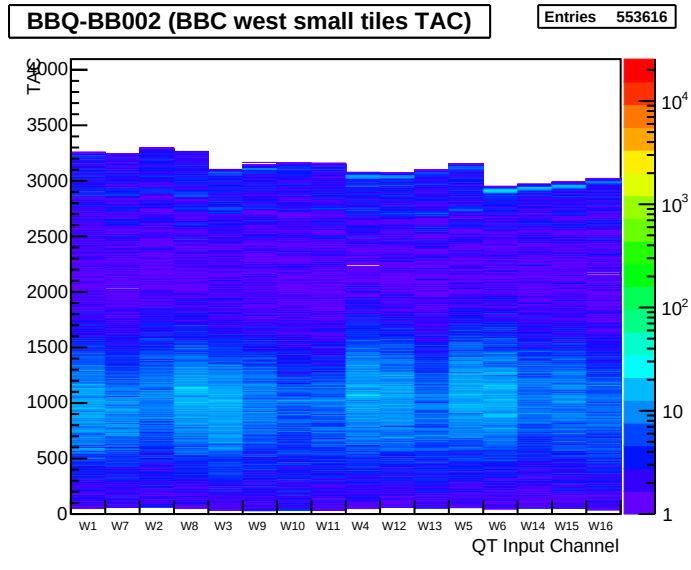

L2-TF201
Entries 242207
Threshold/UPC bits
1
0
30311
30681
30418
30555
30486
30144
33047
4290
3920
4183
4046
4115
4457
1554
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

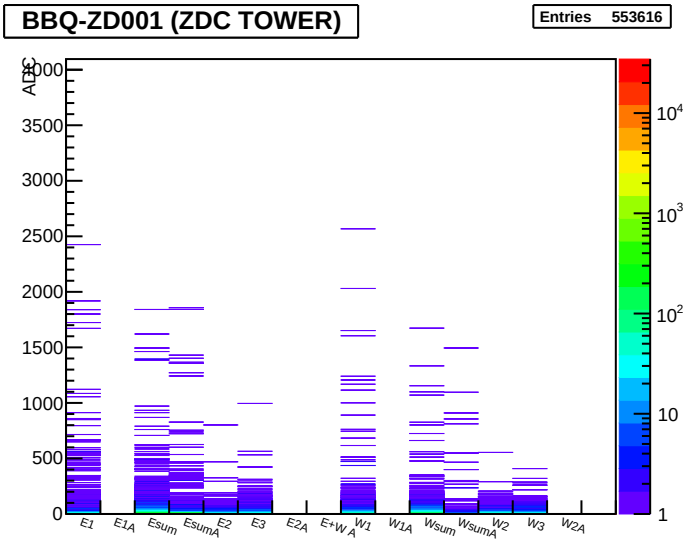

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

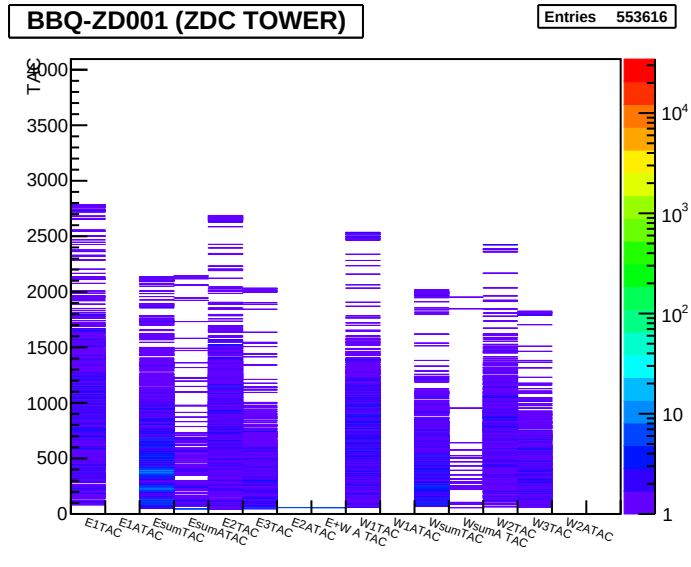

BBQ-BB001 (BBC east small tiles ADC)
Entries 553616
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

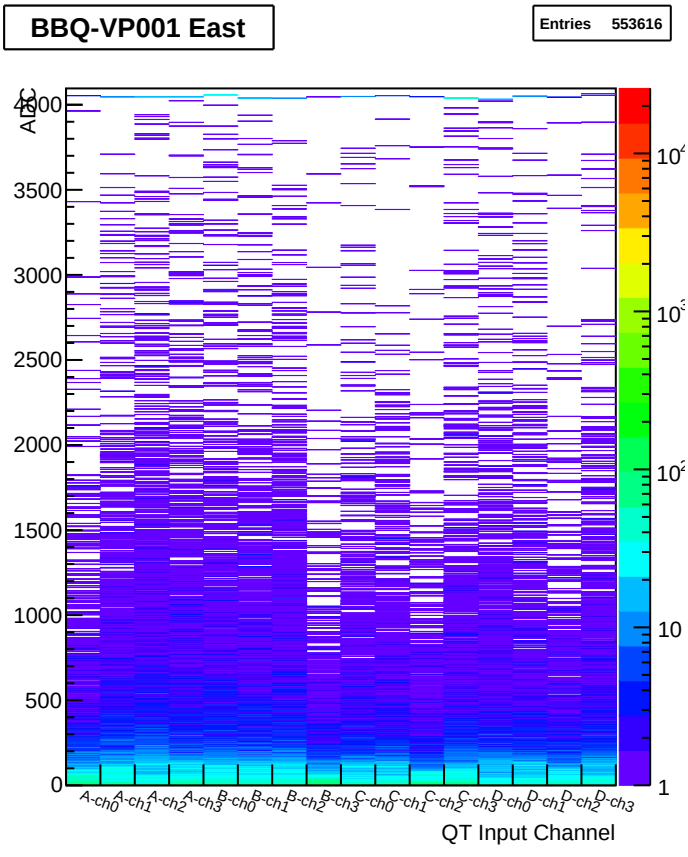

BBQ-BB001 (BBC east small tiles TAC)
Entries 553616
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

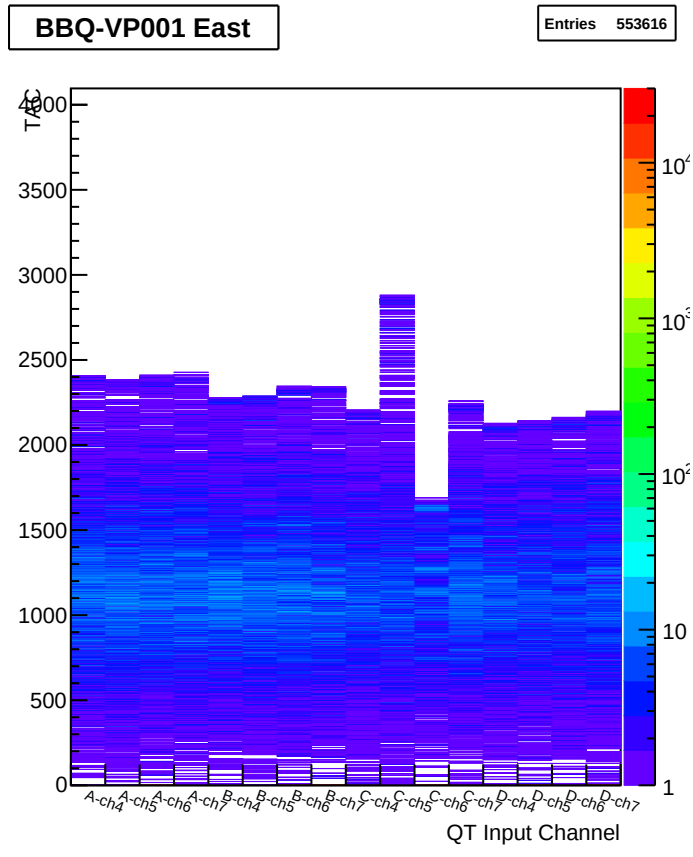

BBQ-BB002 (BBC west small tiles ADC)
Entries 553616
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

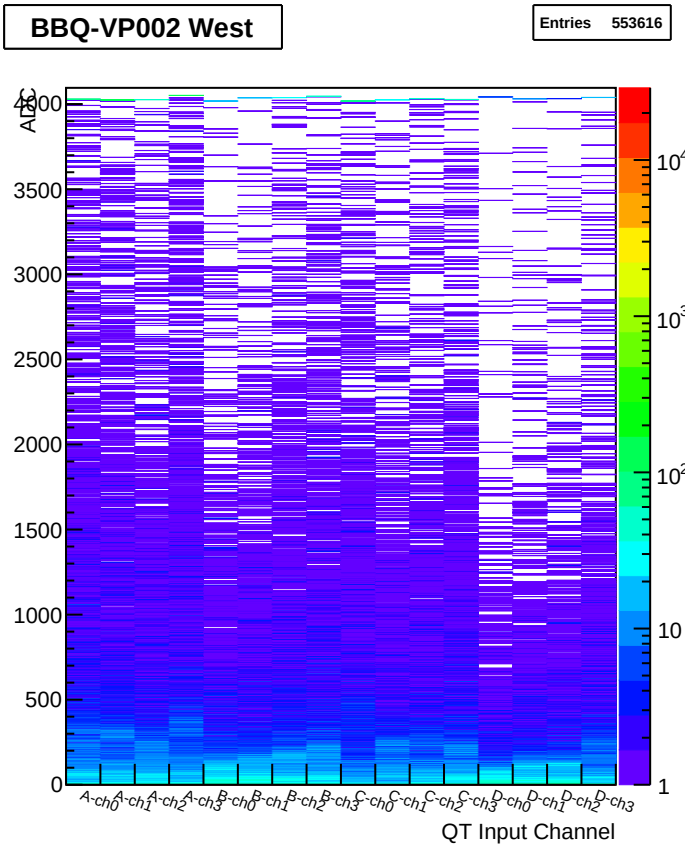

BBQ-BB002 (BBC west small tiles TAC)
Entries 553616
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

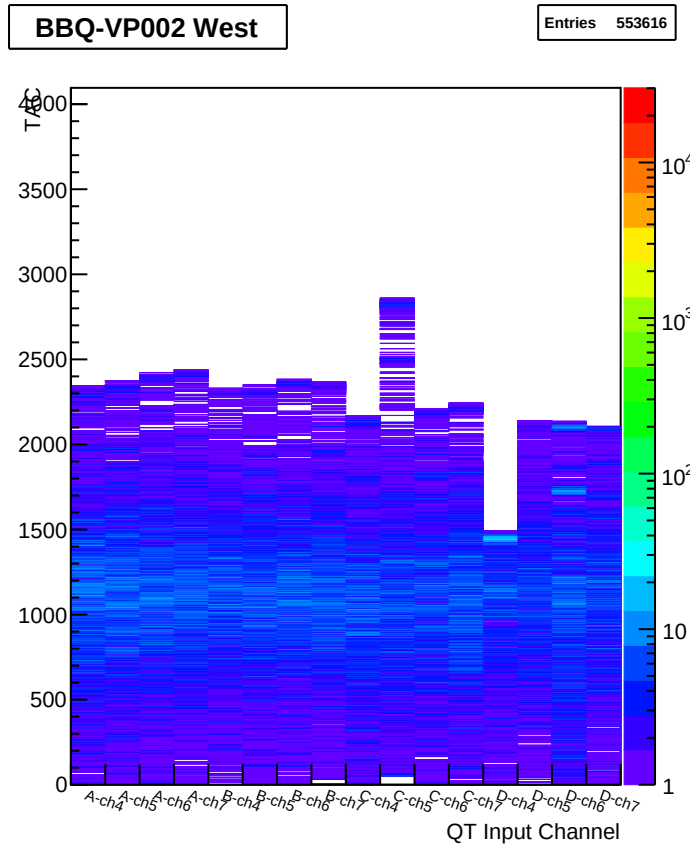

BBQ-ZD001 (ZDC TOWER)
Entries 553616
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

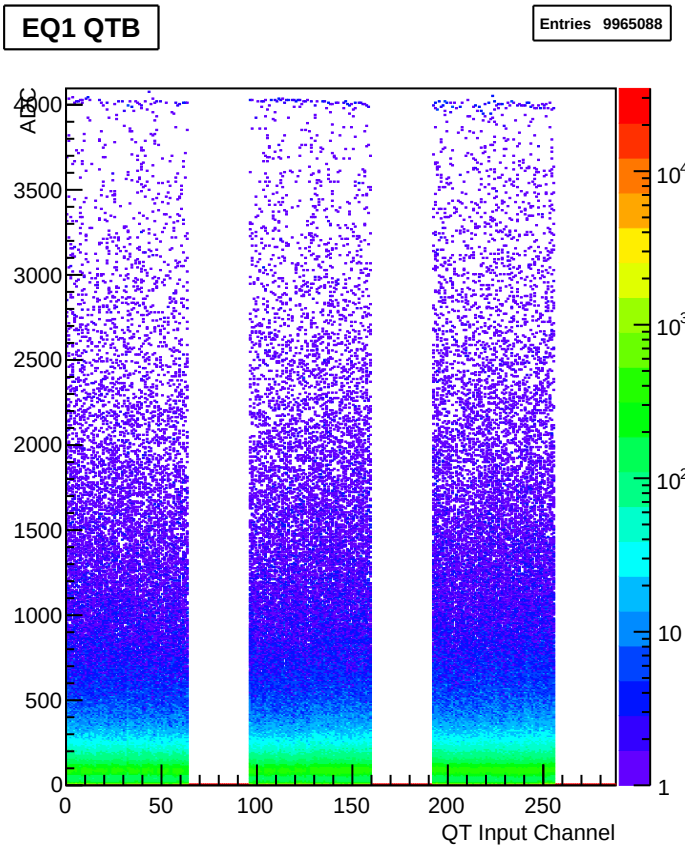

BBQ-ZD001 (ZDC TOWER)
Entries 553616
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

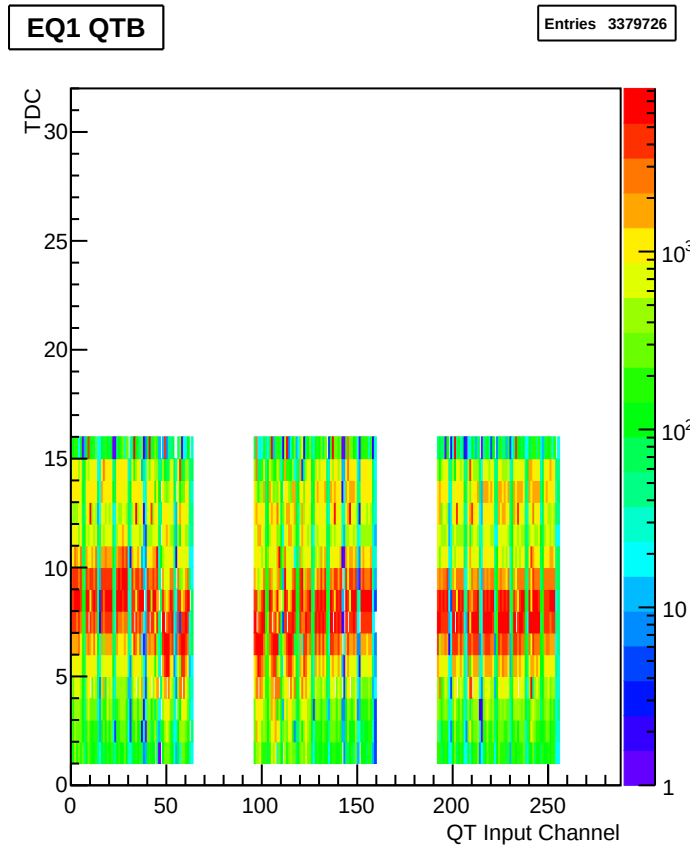

BBQ-VP001 East
Entries 553616
ADC
QT Input Channel

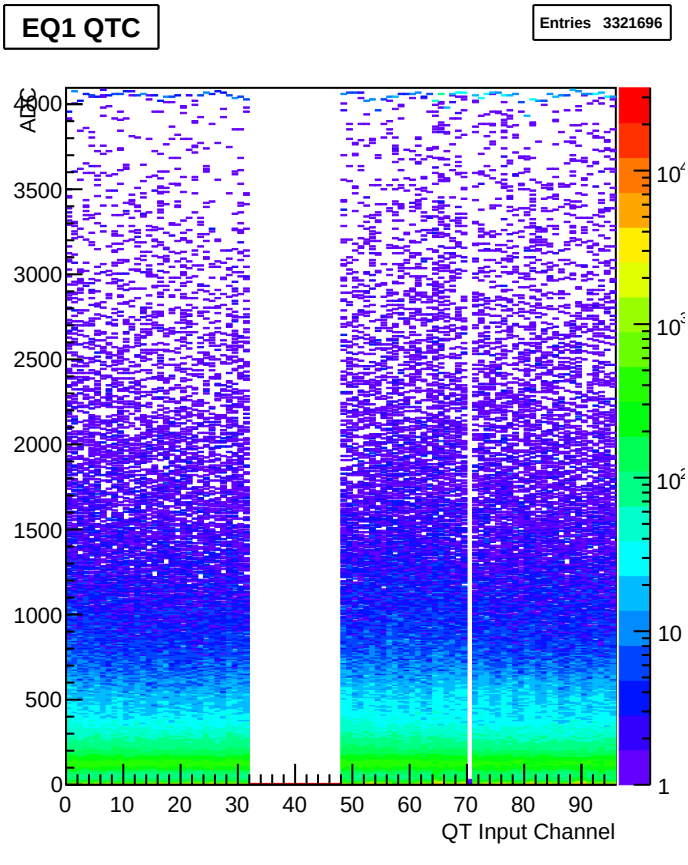

BBQ-VP001 East
Entries 553616
TAC
QT Input Channel

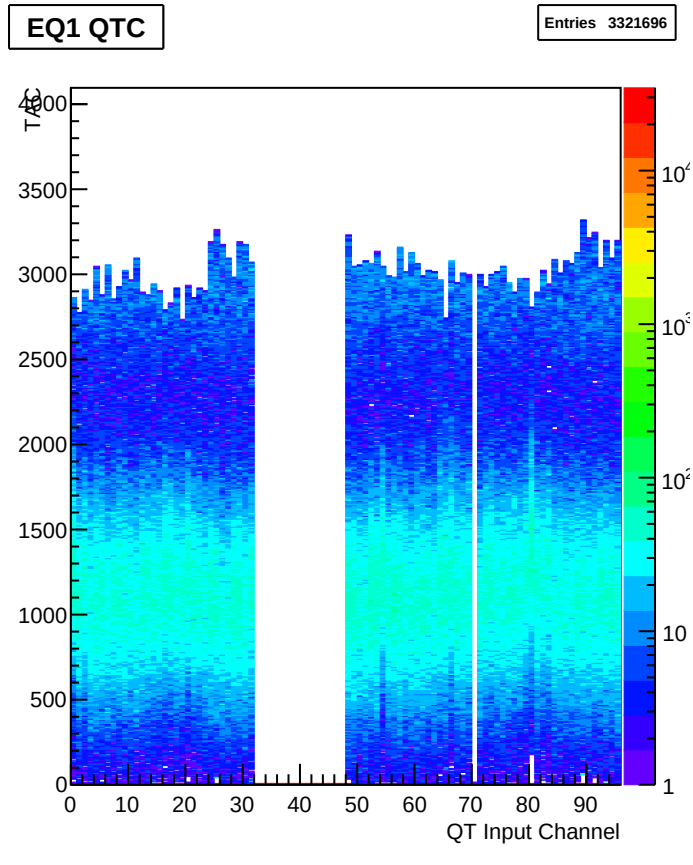

BBQ-VP002 West
Entries 553616
ADC
QT Input Channel

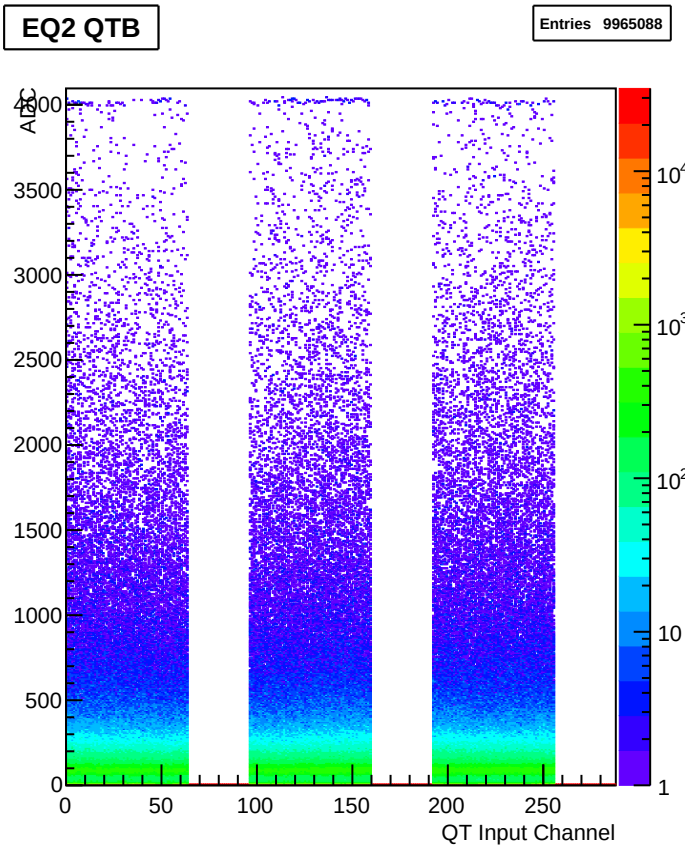

BBQ-VP002 West
Entries 553616
TAC
QT Input Channel

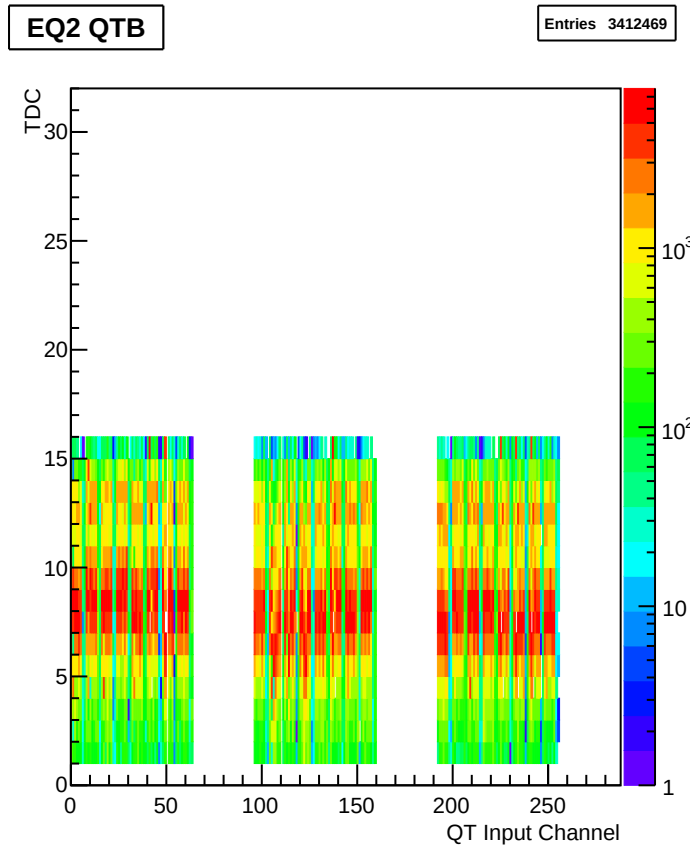

EQ1 QTB
Entries 9965088
ADC
QT Input Channel

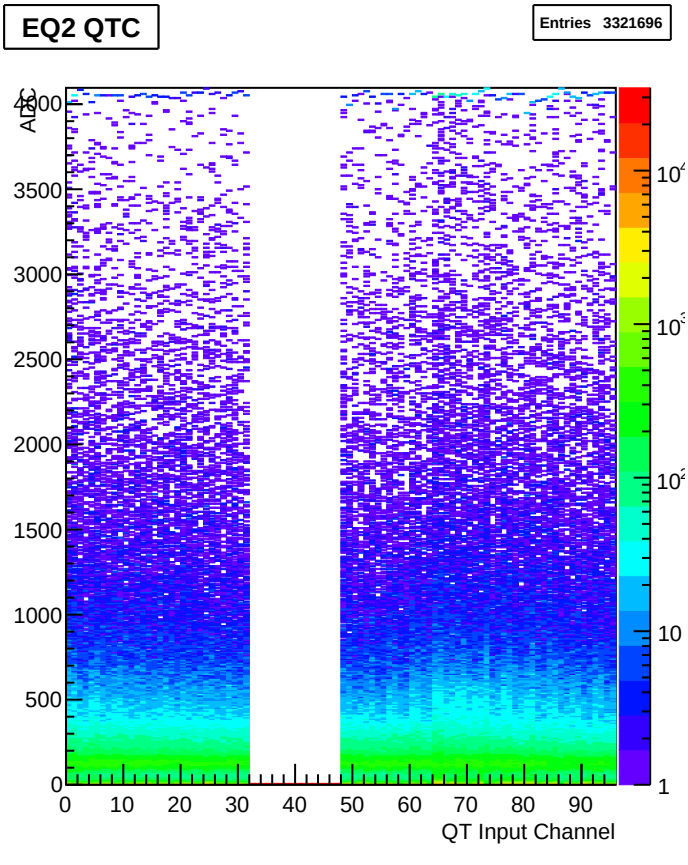

EQ1 QTB
Entries 3379726
TDC
QT Input Channel

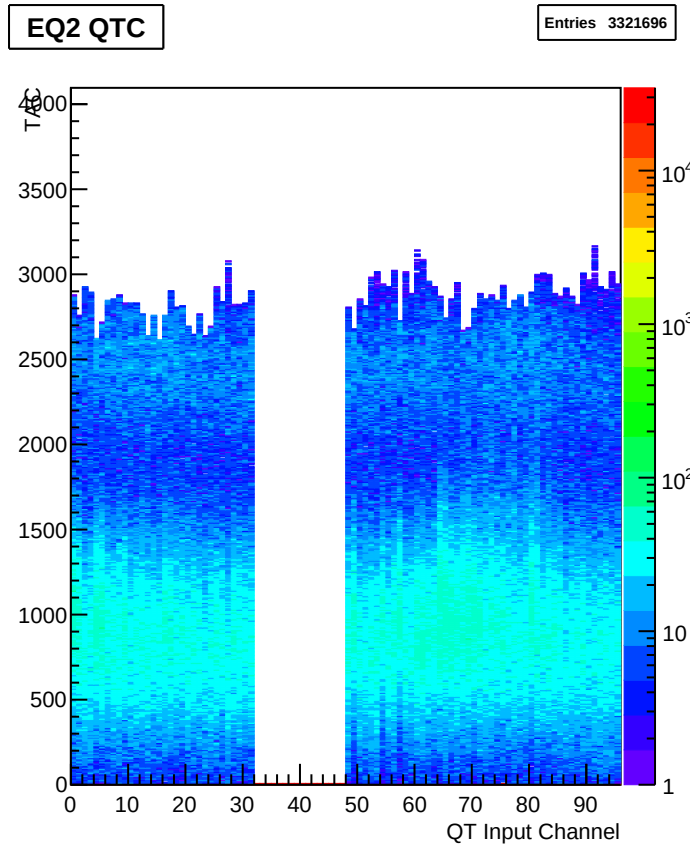

EQ1 QTC
Entries 3321696
ADC
QT Input Channel

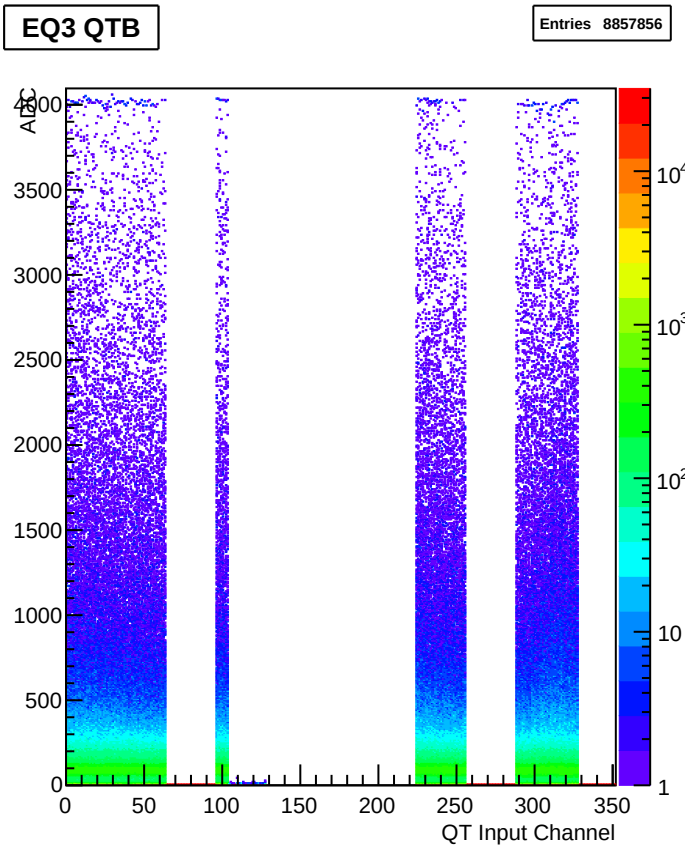

EQ1 QTC
Entries 3321696
TADC
QT Input Channel

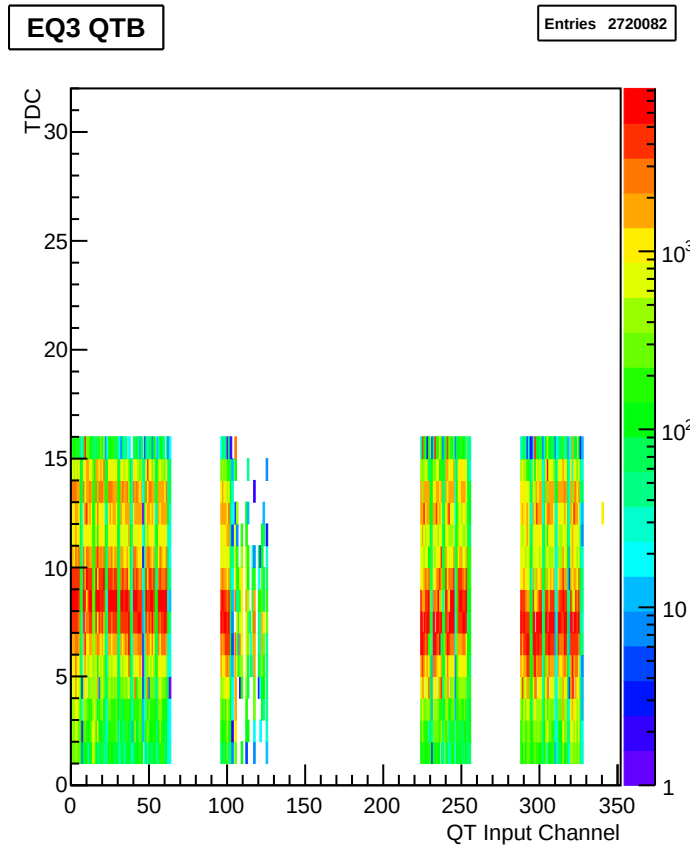

EQ2 QTB
Entries 9965088
ADC
QT Input Channel

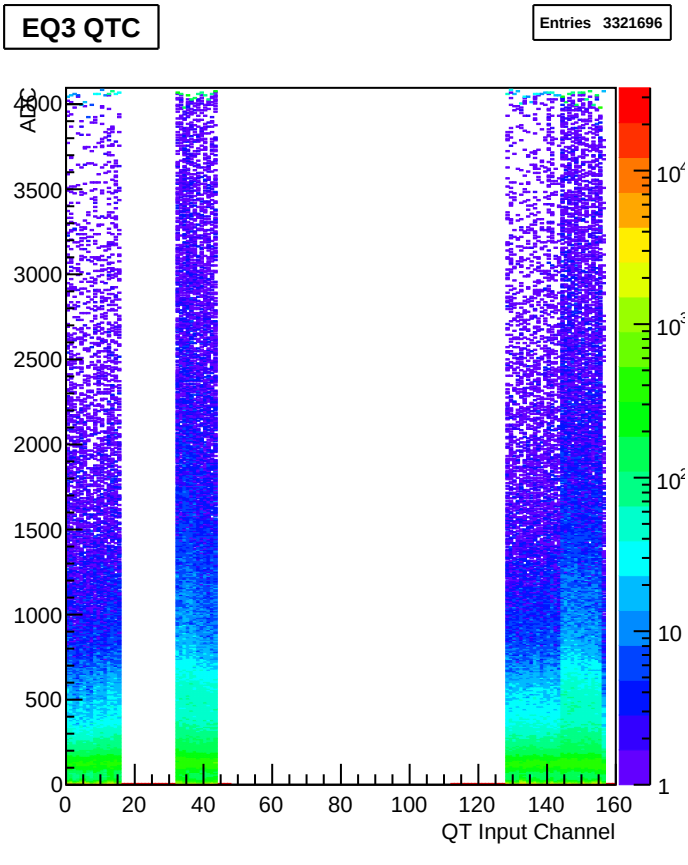

EQ2 QTB
Entries 3412469
TDC
QT Input Channel

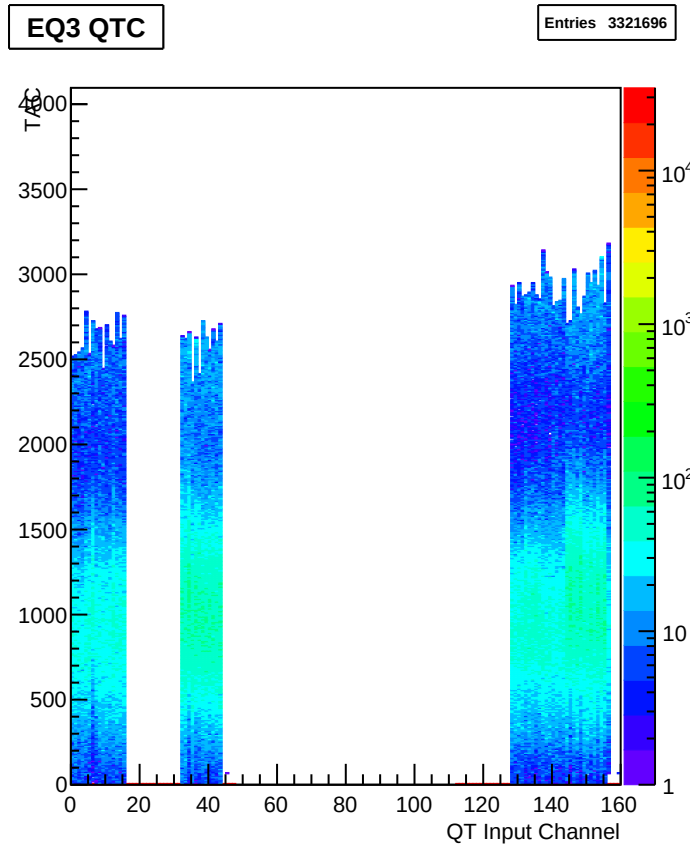

EQ2 QTC
Entries 3321696
ADC
QT Input Channel

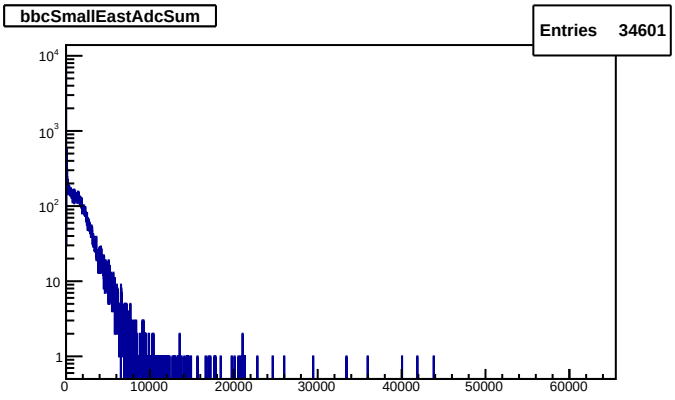

EQ2 QTC
Entries 3321696
TADC
QT Input Channel

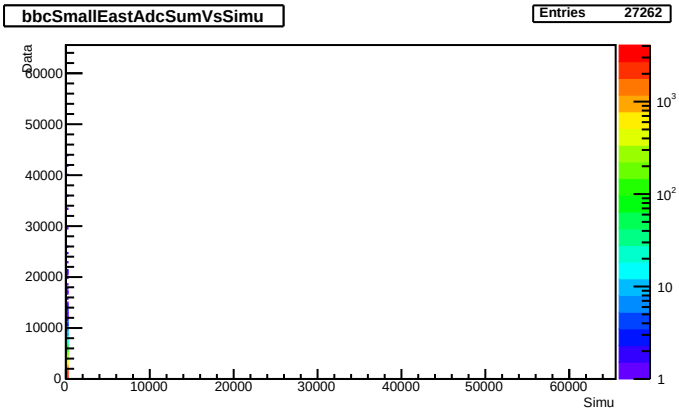

EQ3 QTB
Entries 8857856
ADC
QT Input Channel

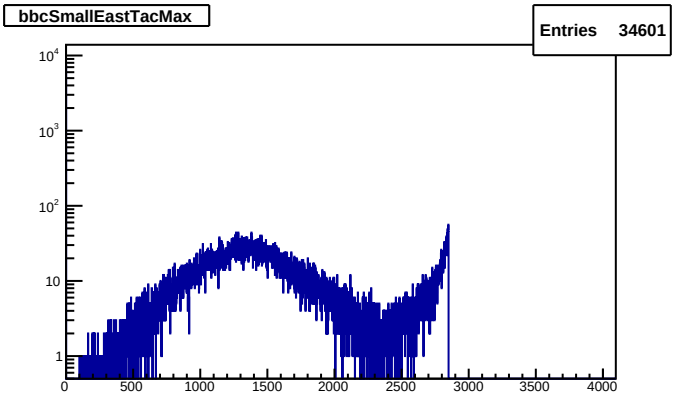

EQ3 QTB
Entries 2720082
TDC
QT Input Channel

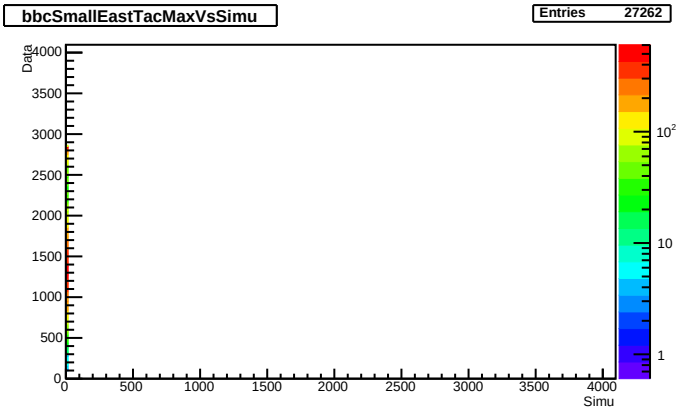

EQ3 QTC
Entries 3321696
ADC
QT Input Channel

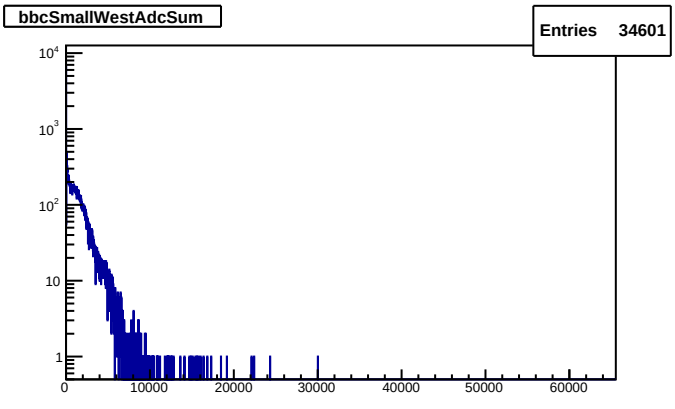

EQ3 QTC
Entries 3321696
TADC
QT Input Channel

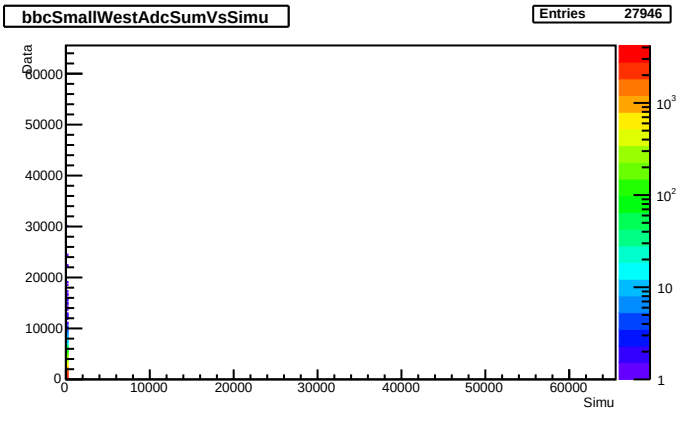

bbcSmallEastAdcSum
Entries 34601

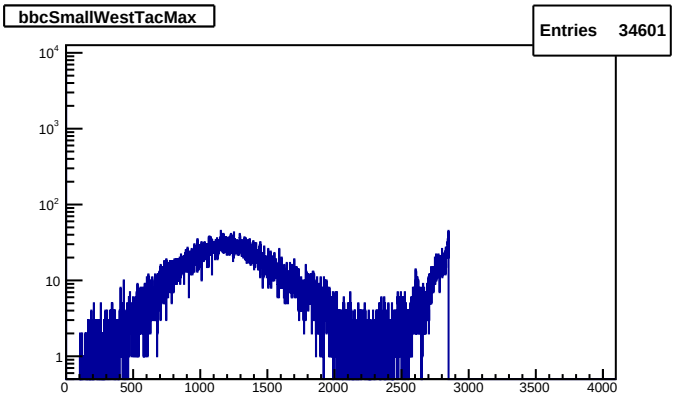

bbcSmallEastAdcSumVsSimu
Entries 27262
Data
Simu

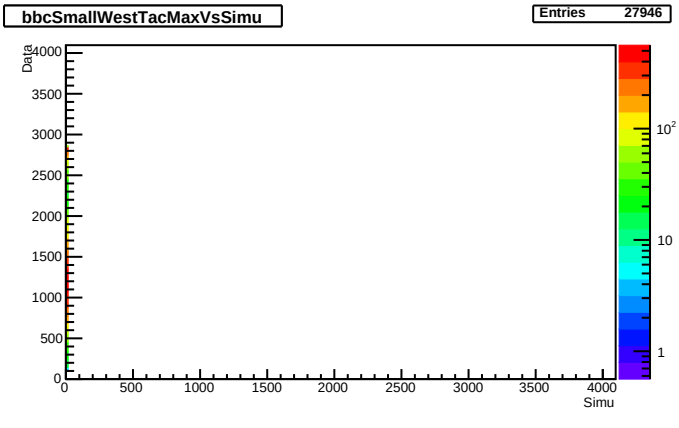

bbcSmallEastTacMax
Entries 34601

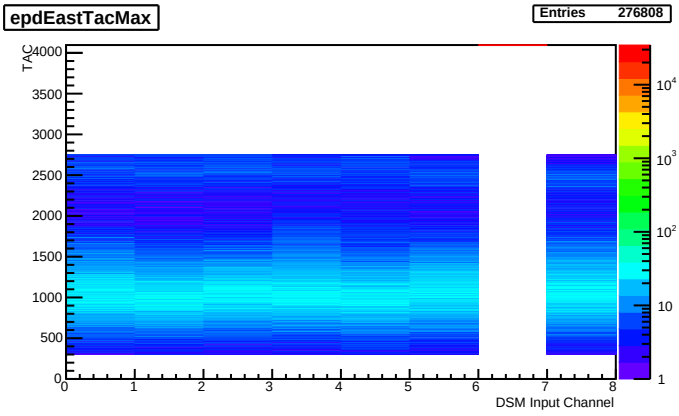

bbcSmallEastTacMaxVsSimu
Entries 27262
Data
Simu

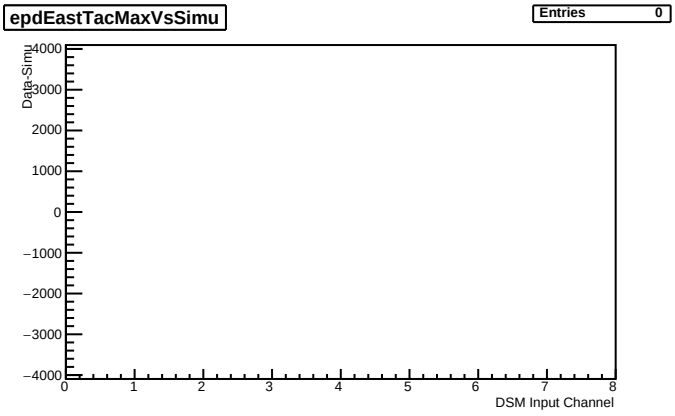

bbcSmallWestAdcSum
Entries 34601

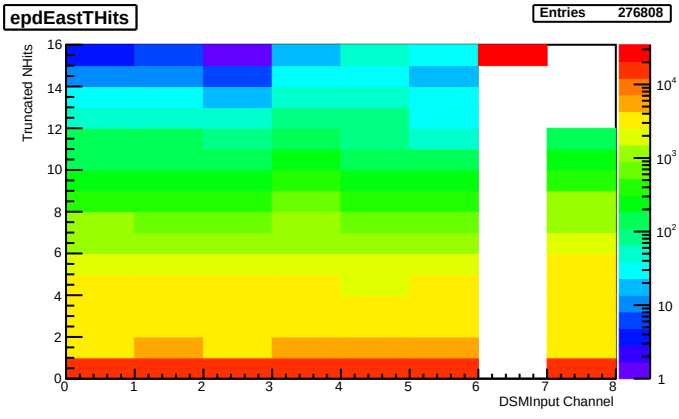

bbcSmallWestAdcSumVsSimu
Entries 27946
Data
Simu

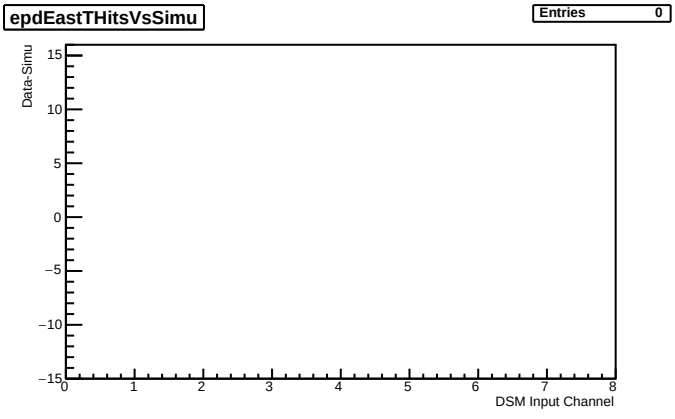

bbcSmallWestTacMax
Entries 34601

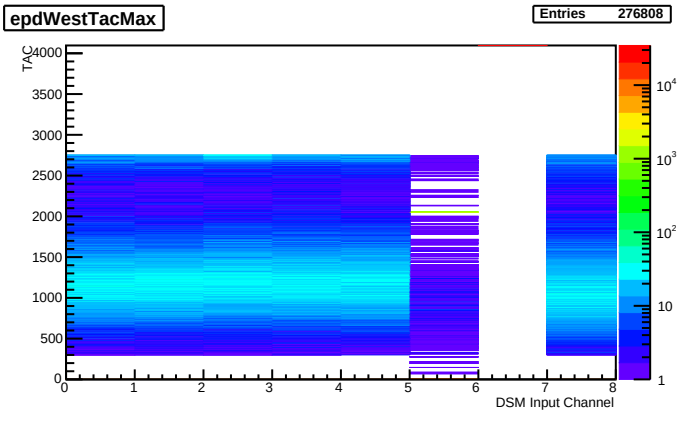

bbcSmallWestTacMaxVsSimu
Entries 27946
Data
Simu

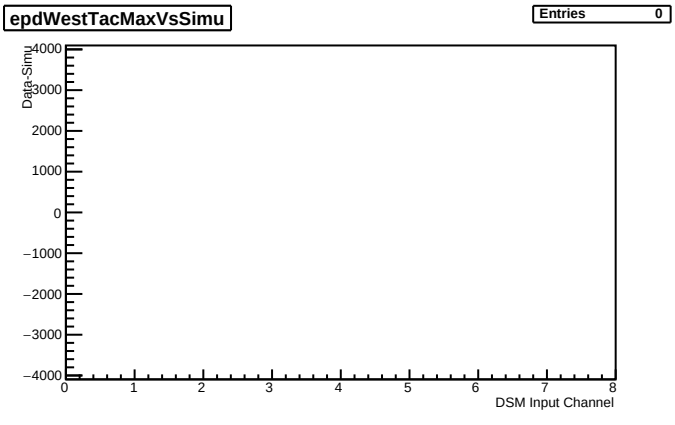

epdEastTacMax
Entries 276808
TAC
DSM Input Channel

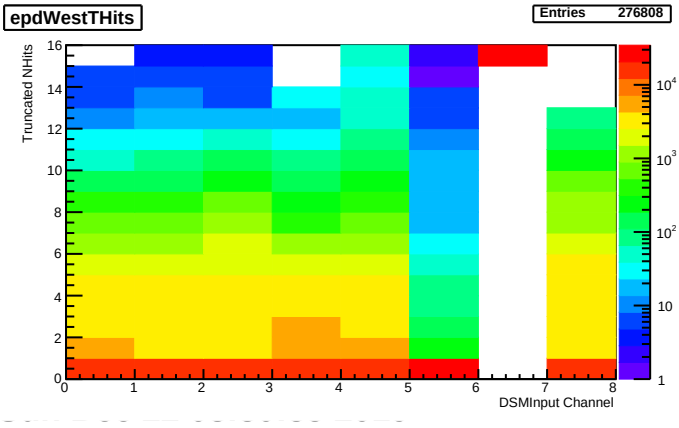

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

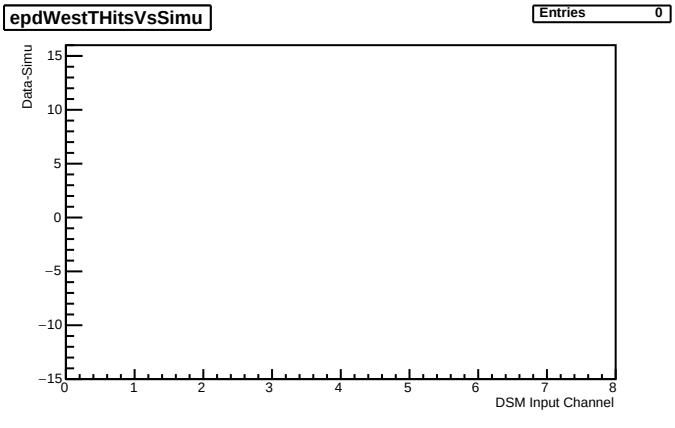

epdEastTHits
Entries 276808
Truncated NHits
DSMInput Channel

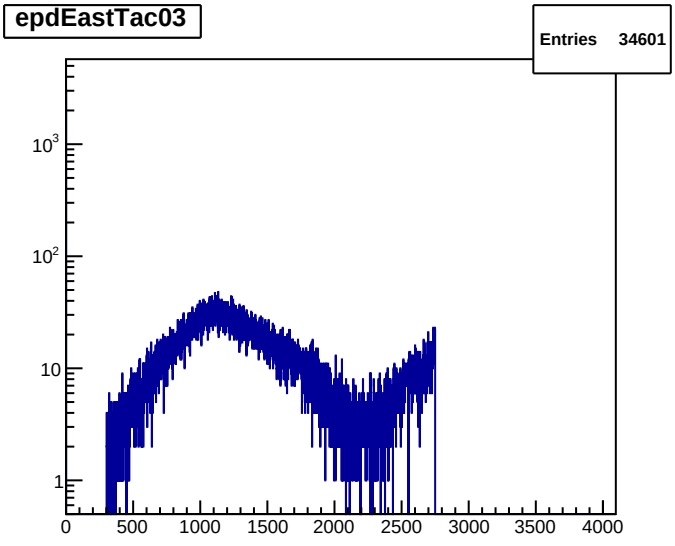

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

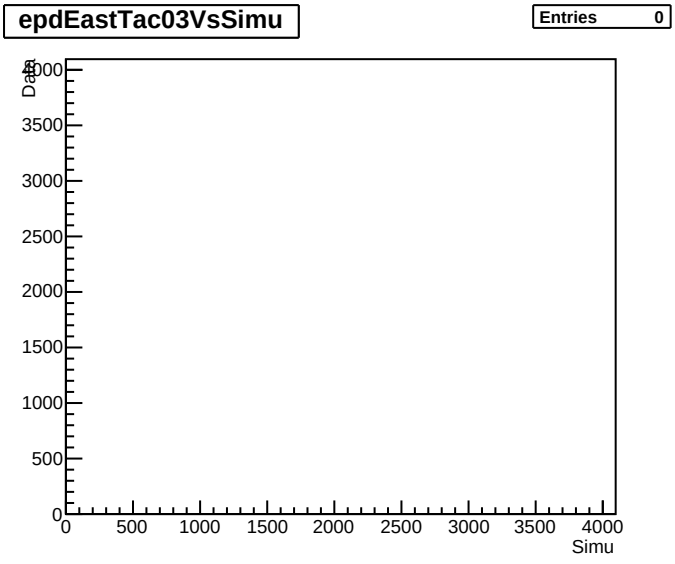

epdWestTacMax
Entries 276808
TAC
DSM Input Channel

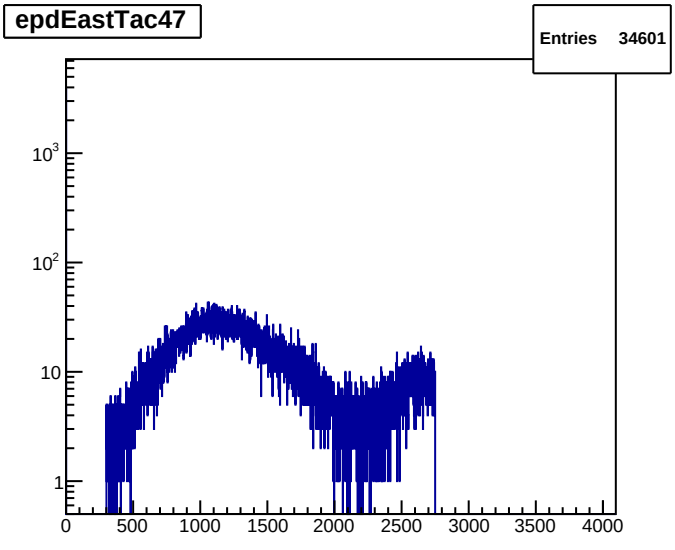

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

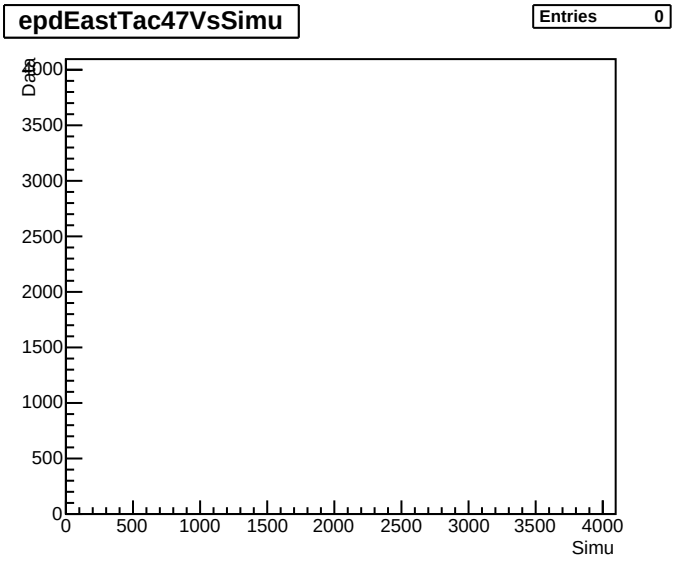

epdWestTHits
Entries 276808
Truncated NHits
DSMInput Channel

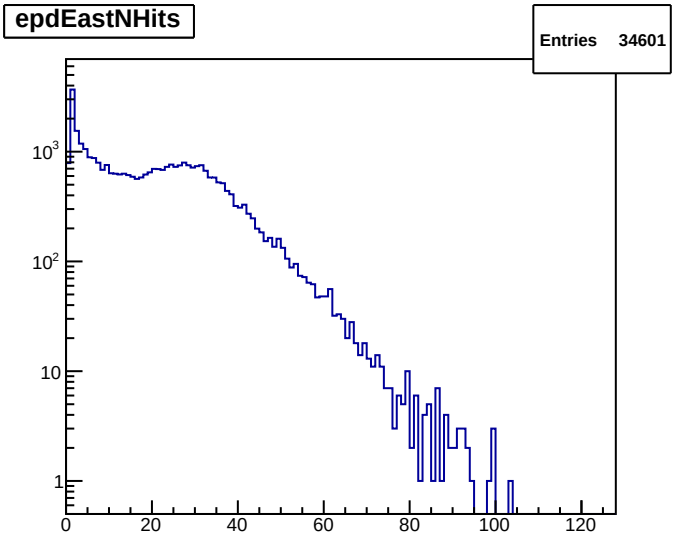

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

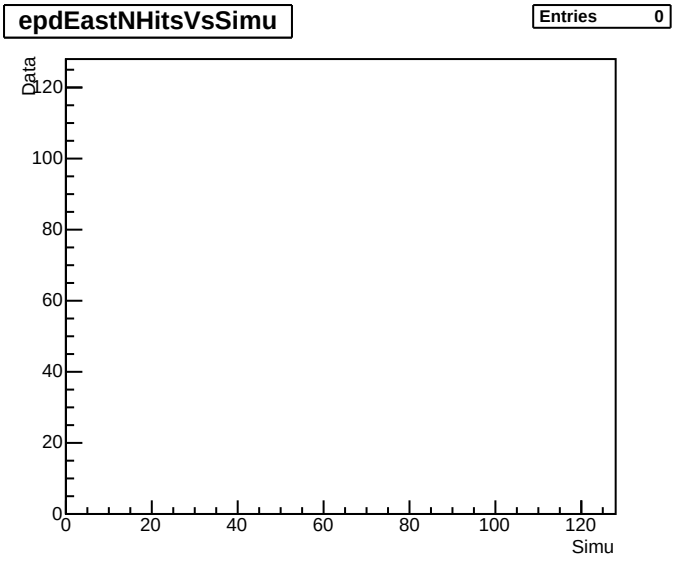

epdEastTac03
Entries 34601

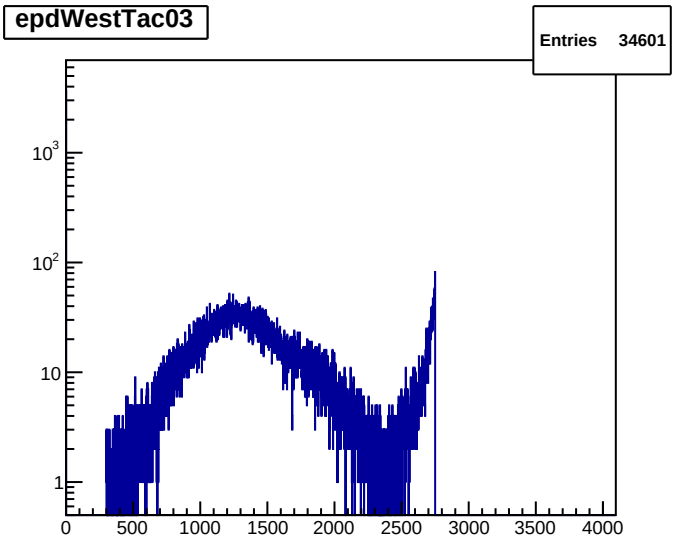

epdEastTac03VsSimu
Entries 0
Data
Simu

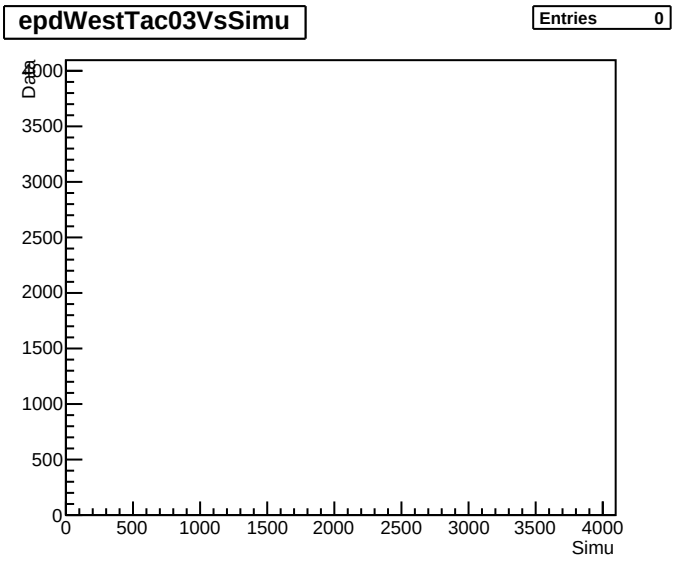

epdEastTac47
Entries 34601

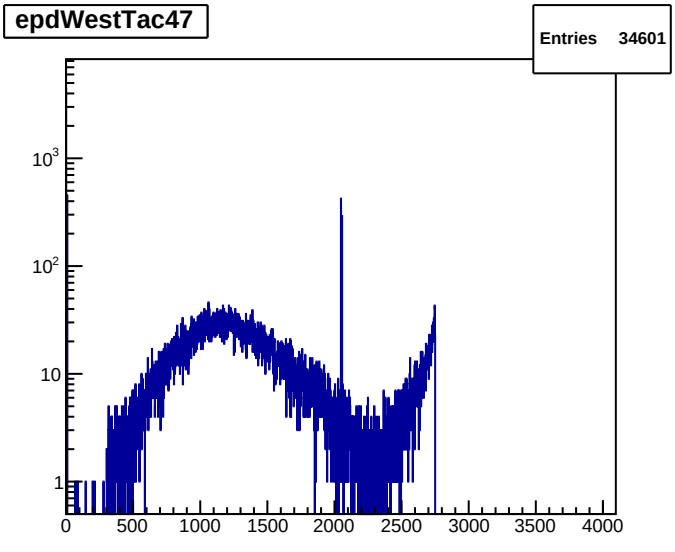

epdEastTac47VsSimu
Entries 0
Data
Simu

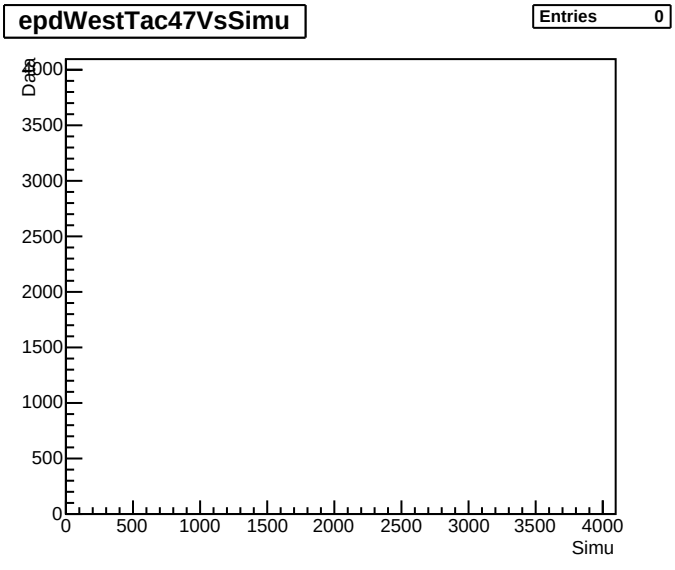

epdEastNHits
Entries 34601

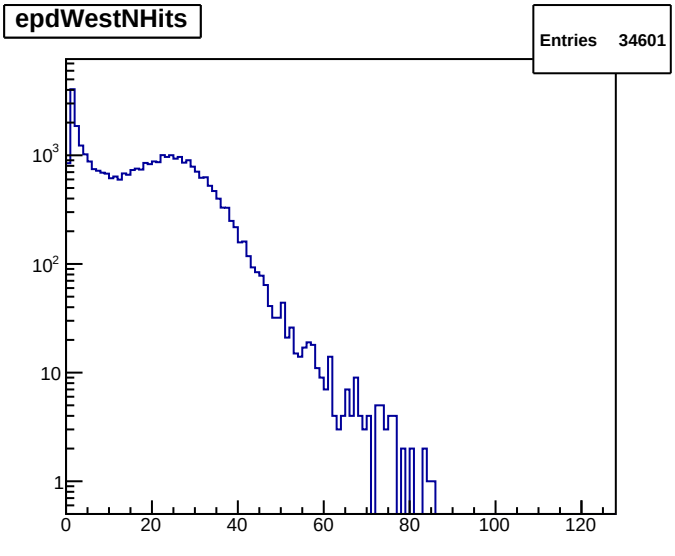

epdEastNHitsVsSimu
Entries 0
Data
Simu

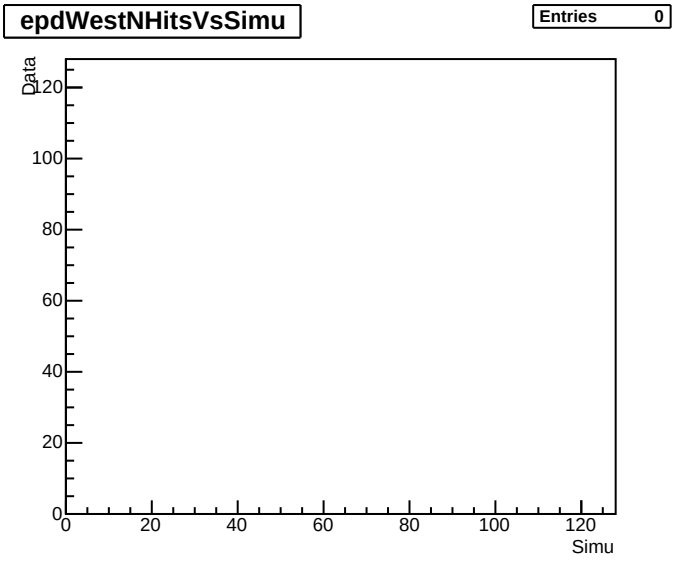

epdWestTac03
Entries 34601

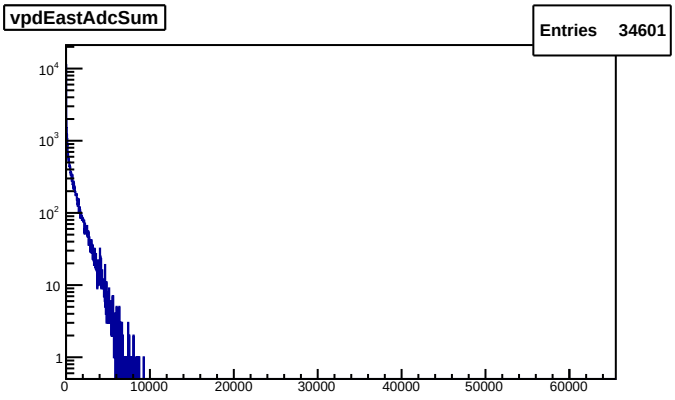

epdWestTac03VsSimu
Entries 0
Data
Simu

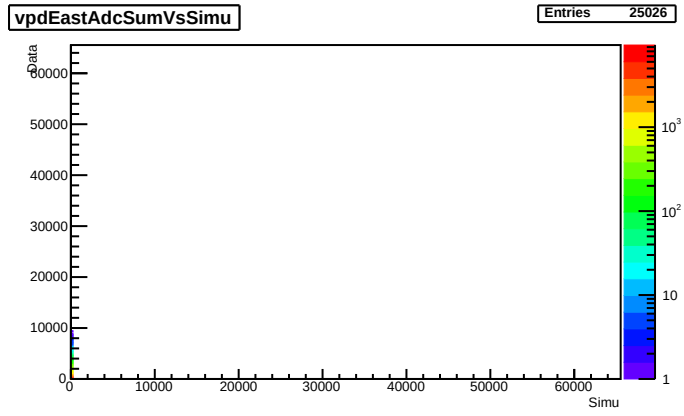

epdWestTac47
Entries 34601

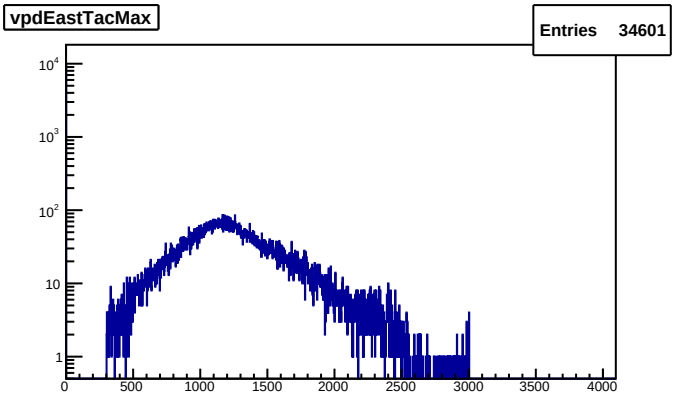

epdWestTac47VsSimu
Entries 0
Data
Simu

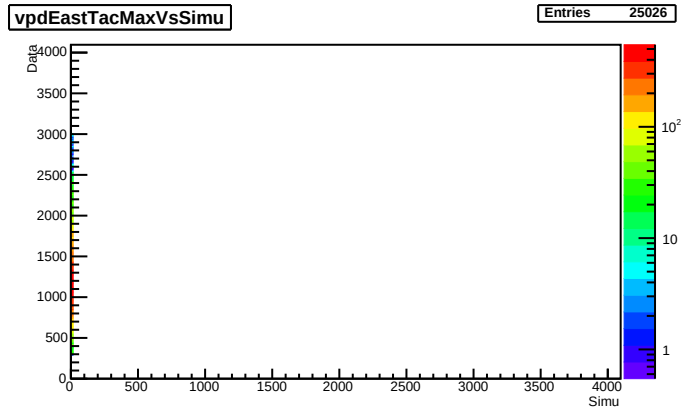

epdWestNHits
Entries 34601

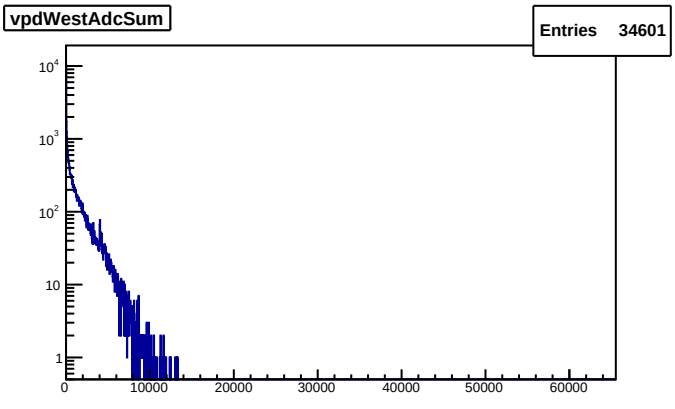

epdWestNHitsVsSimu
Entries 0
Data
Simu

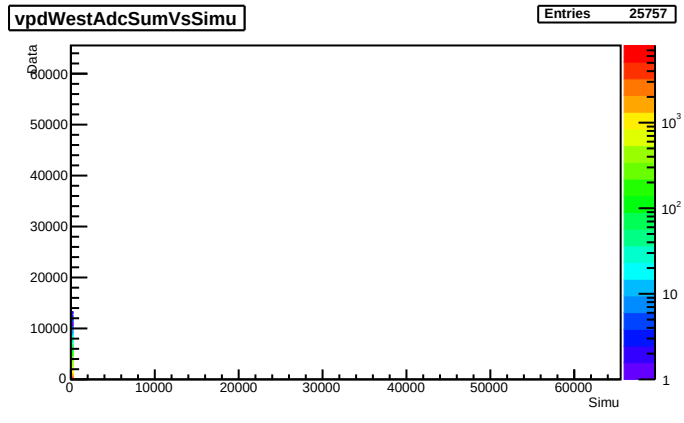

vpdEastAdcSum
Entries 34601

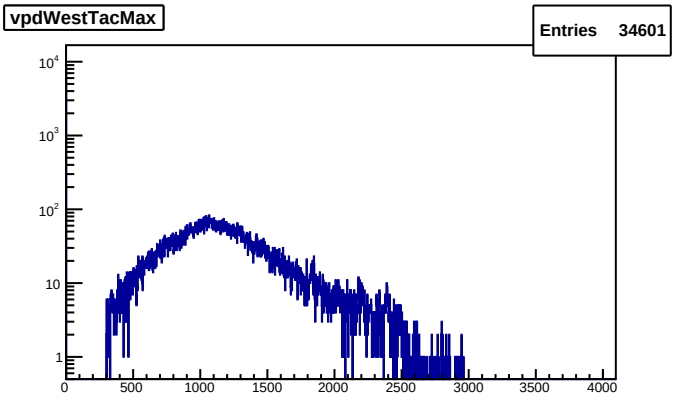

vpdEastAdcSumVsSimu
Entries 25026
Data
Simu

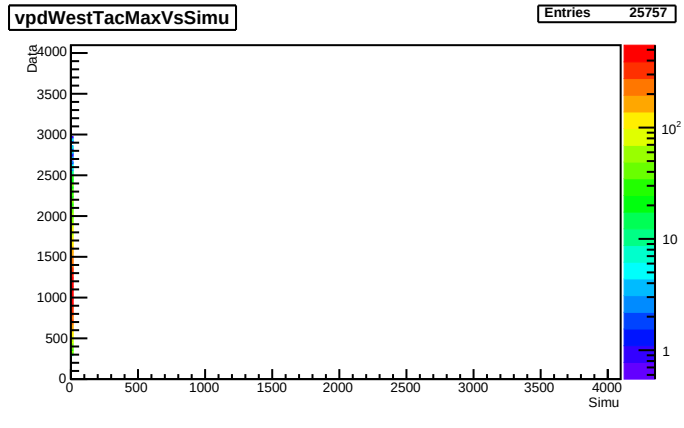

vpdEastTacMax
Entries 34601

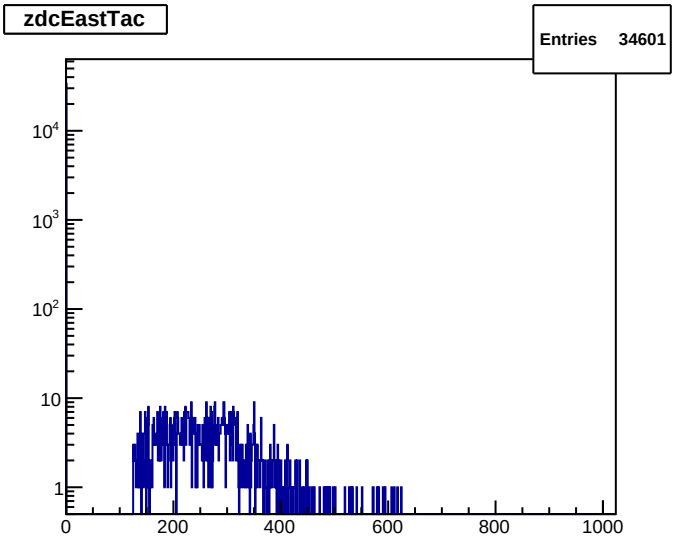

vpdEastTacMaxVsSimu
Entries 25026
Data
Simu

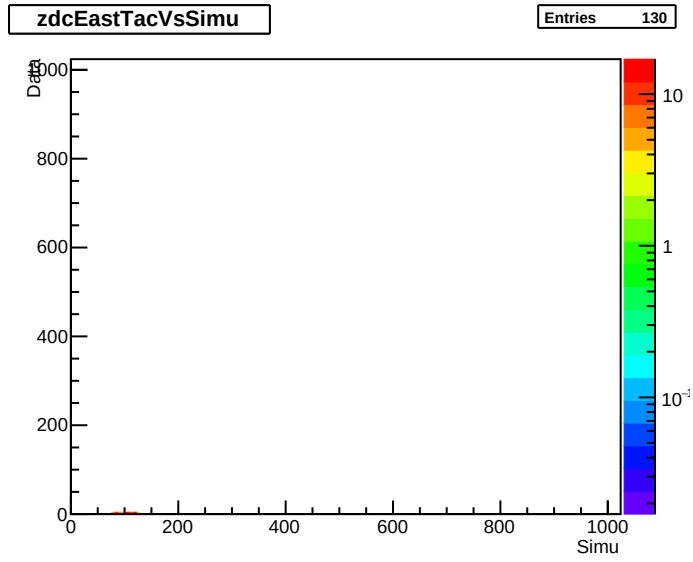

vpdWestAdcSum
Entries 34601

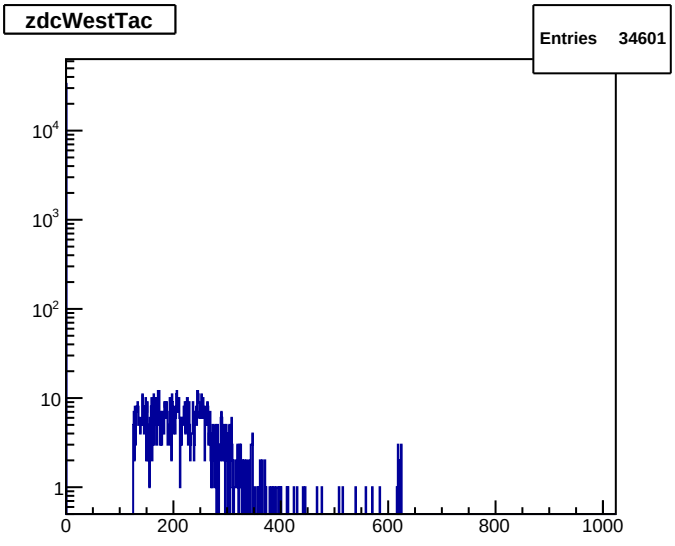

vpdWestAdcSumVsSimu
Entries 25757
Data
Simu

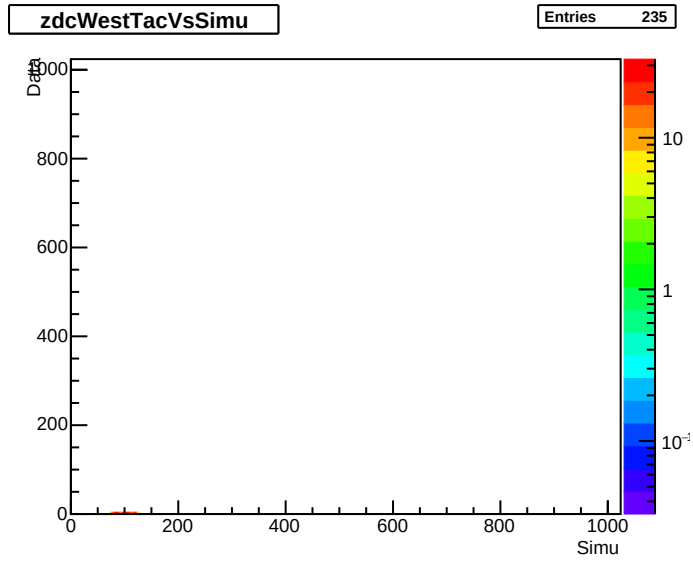

vpdWestTacMax
Entries 34601

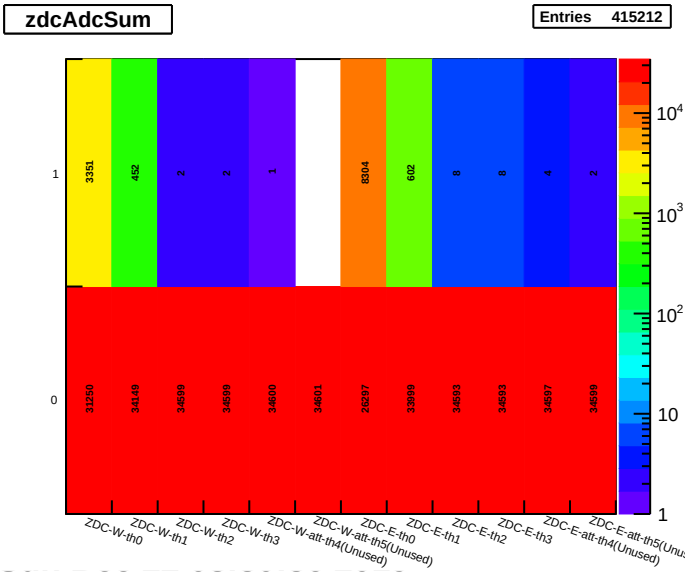

vpdWestTacMaxVsSimu
Entries 25757
Data
Simu

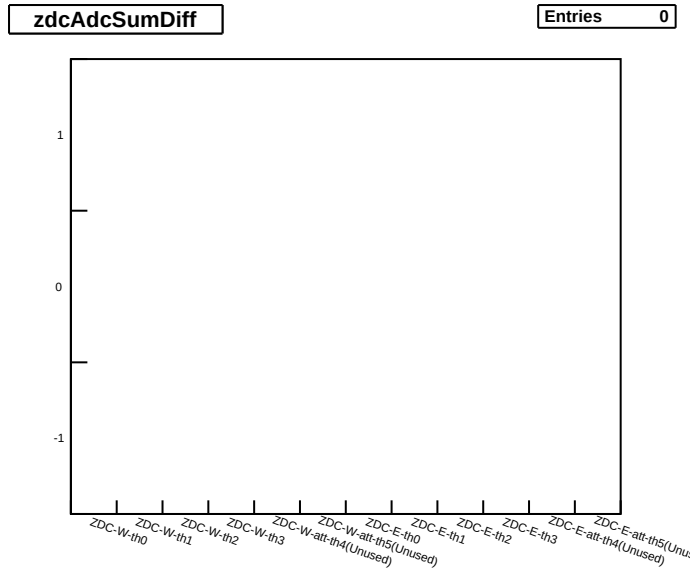

zdcEastTac
Entries 34601

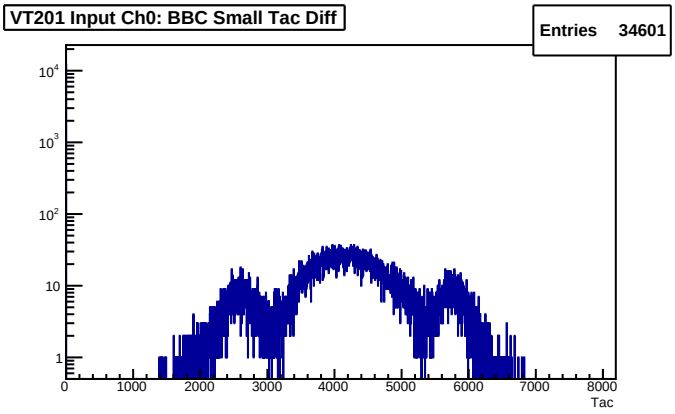

zdcEastTacVsSimu
Entries 130
Data
Simu

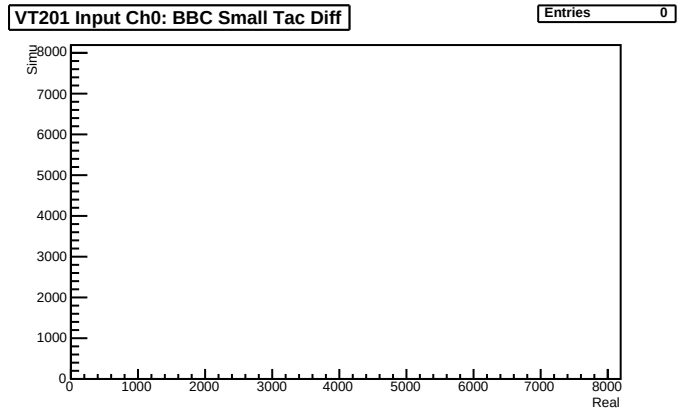

zdcWestTac
Entries 34601

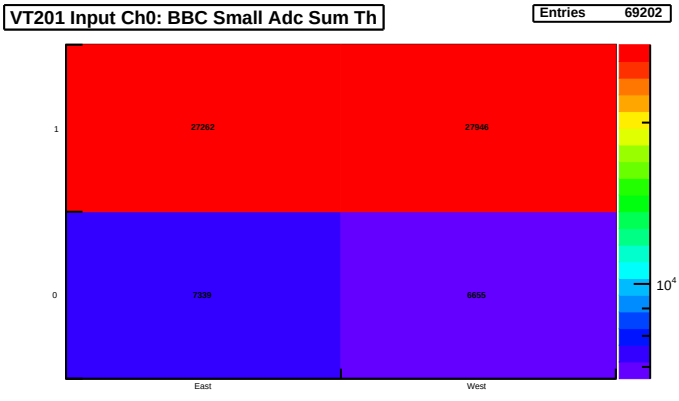

zdcWestTacVsSimu
Entries 235
Data
Simu

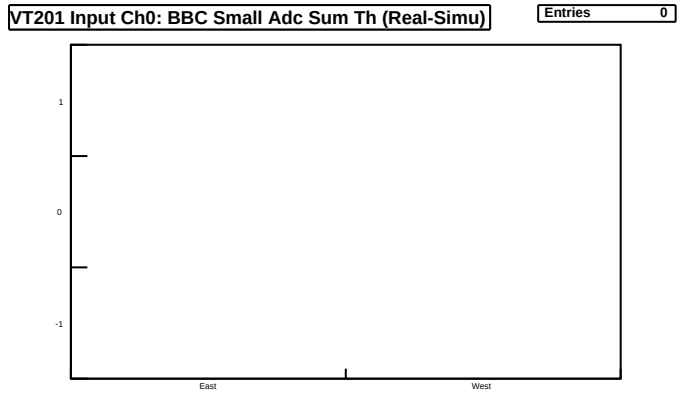

zdcAdcSum
Entries 415212
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

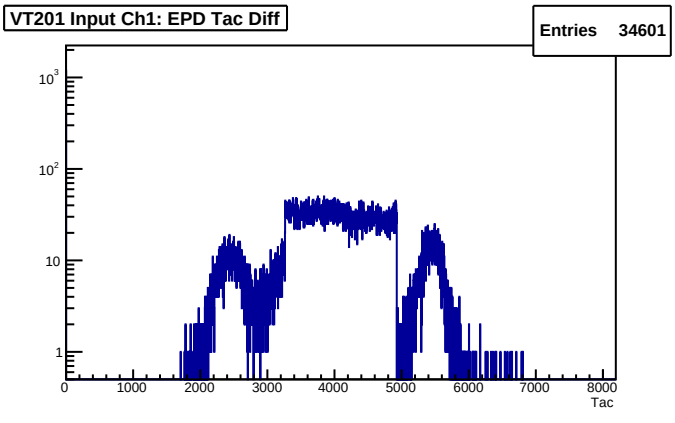

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

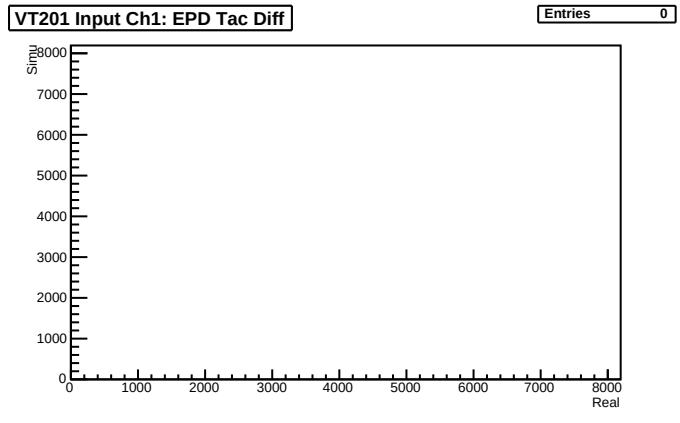

VT201 Input Ch0: BBC Small Tac Diff
Entries 34601
Tac

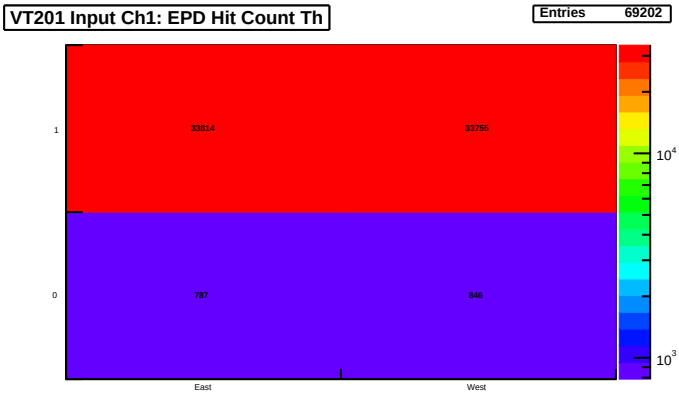

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

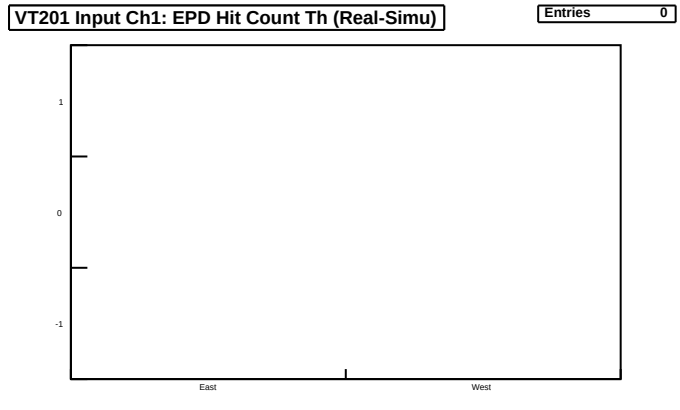

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 69202
27262
27946
7339
6655
East
West

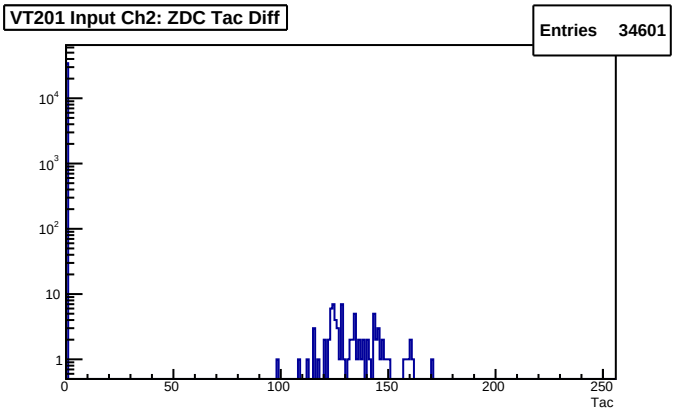

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

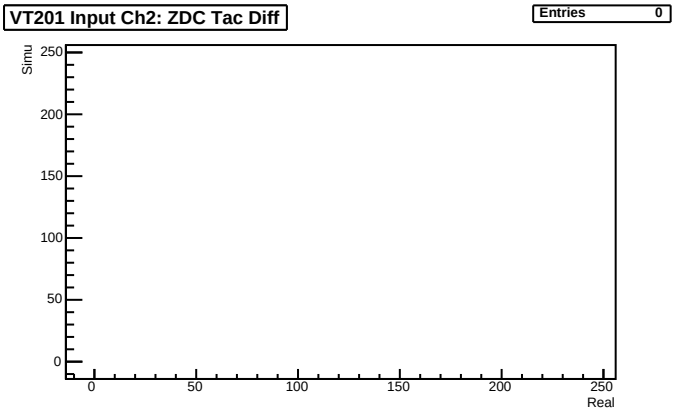

VT201 Input Ch1: EPD Tac Diff
Entries 34601
Tac

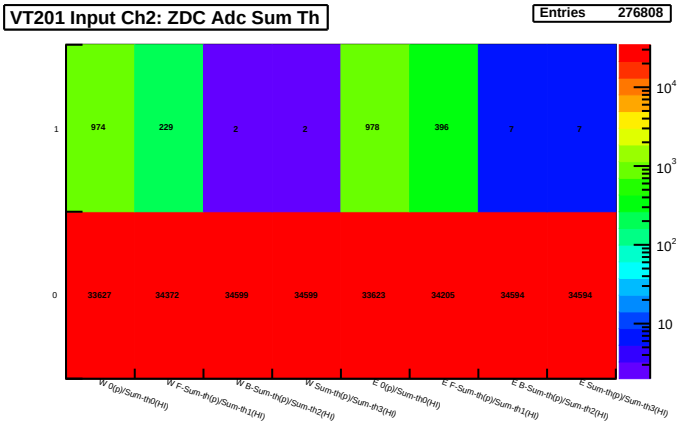

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

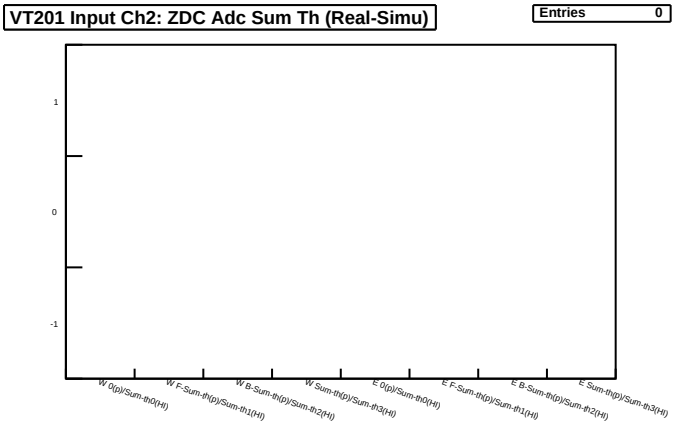

VT201 Input Ch1: EPD Hit Count Th
Entries 69202
33814
33755
787
846
East
West

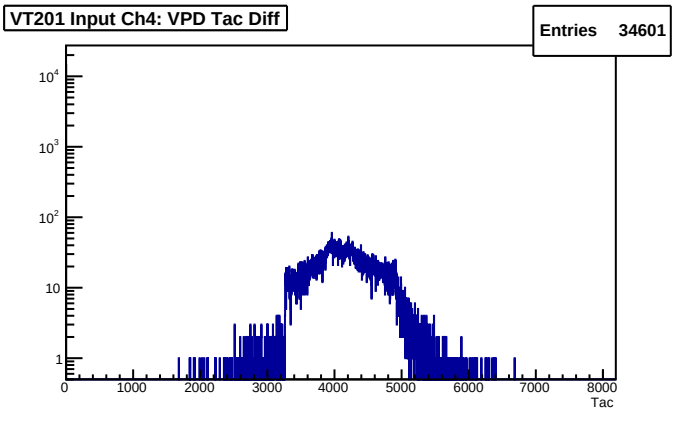

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

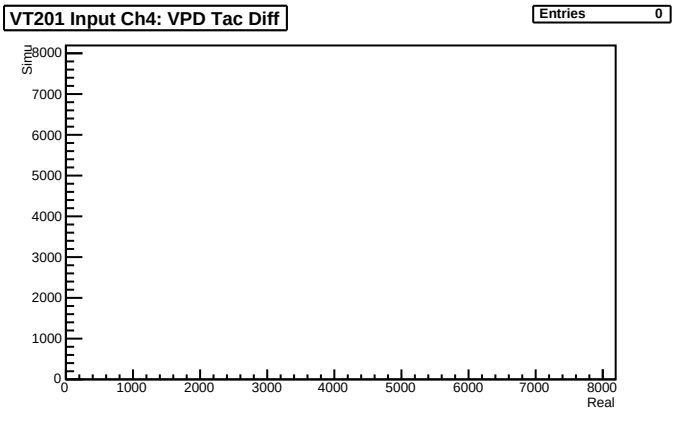

VT201 Input Ch2: ZDC Tac Diff
Entries 34601
Tac

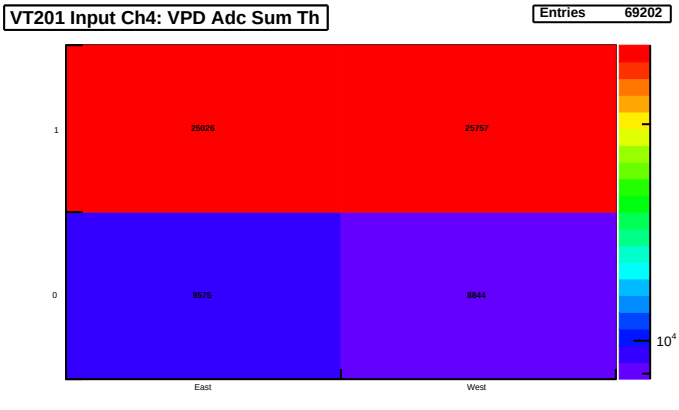

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

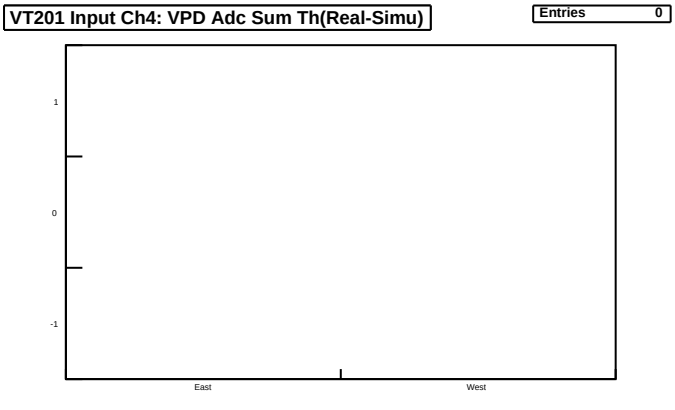

VT201 Input Ch2: ZDC Adc Sum Th
Entries 276808
974
229
2
2
978
396
7
7
33627
34372
34599
34599
33623
34205
34594
34594
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

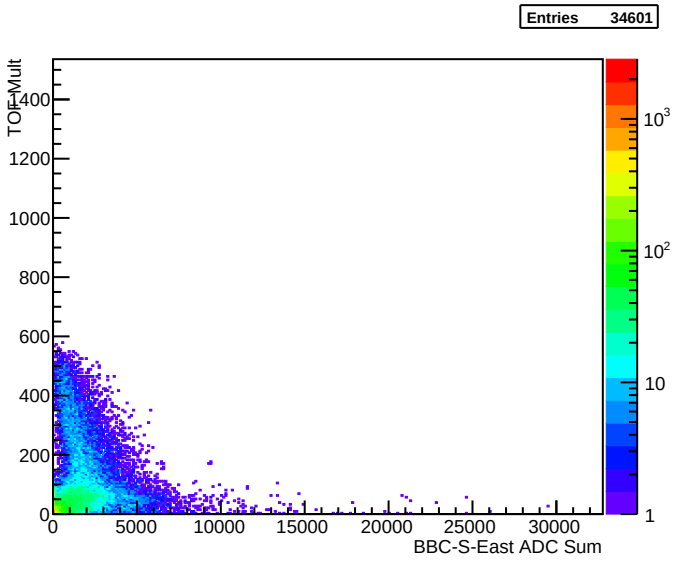

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

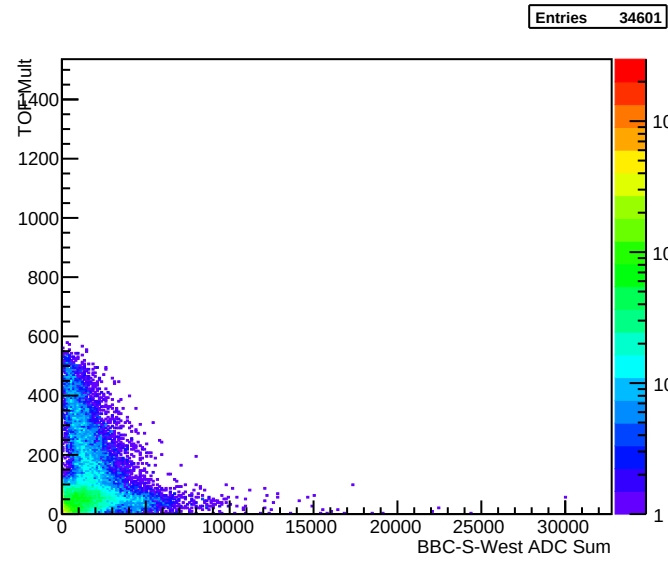

VT201 Input Ch4: VPD Tac Diff
Entries 34601
Tac

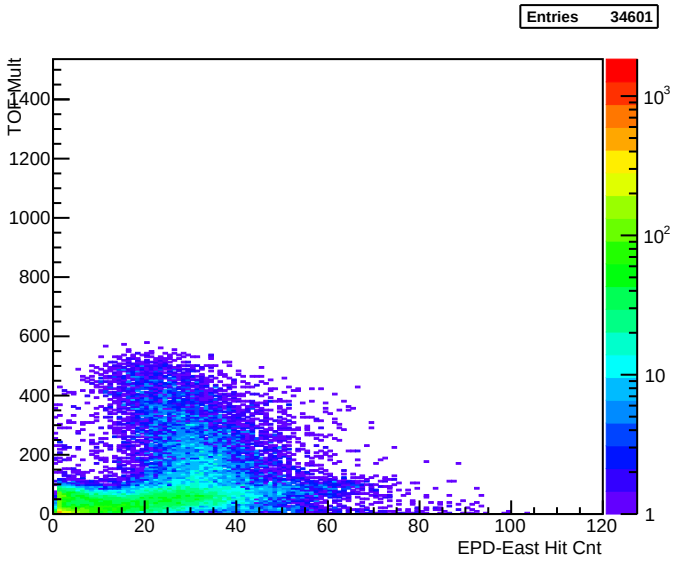

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

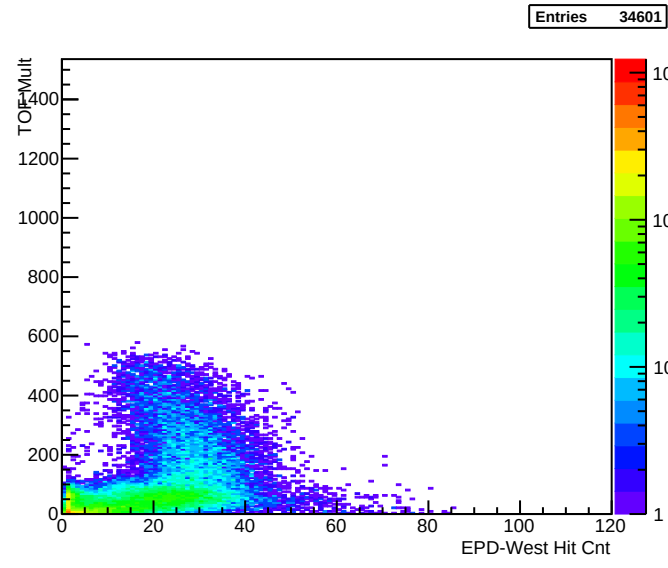

VT201 Input Ch4: VPD Adc Sum Th
Entries 69202
25026
25757
9575
8844
East
West

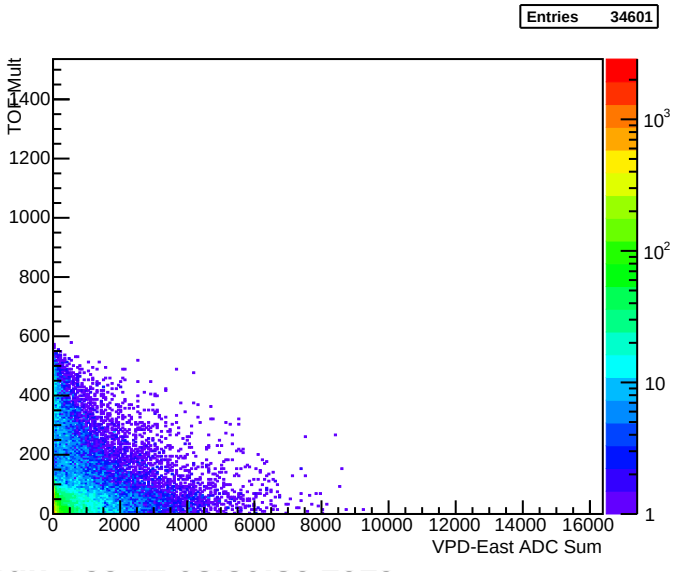

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

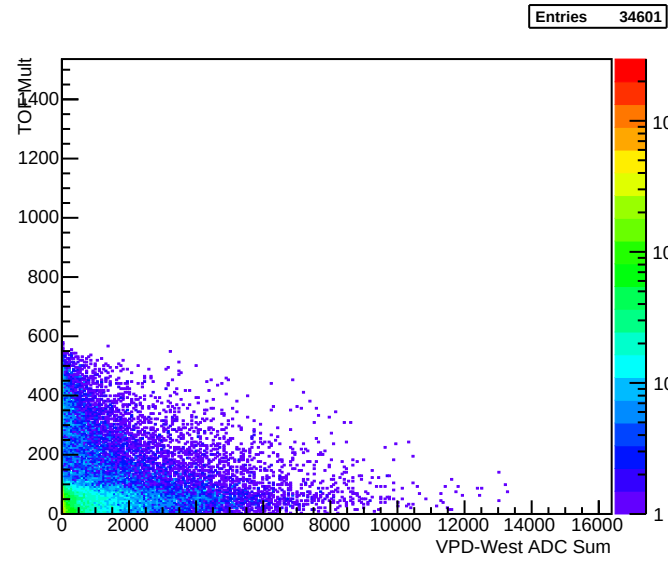

Entries 34601
TOF-Mult
BBC-S-East ADC Sum

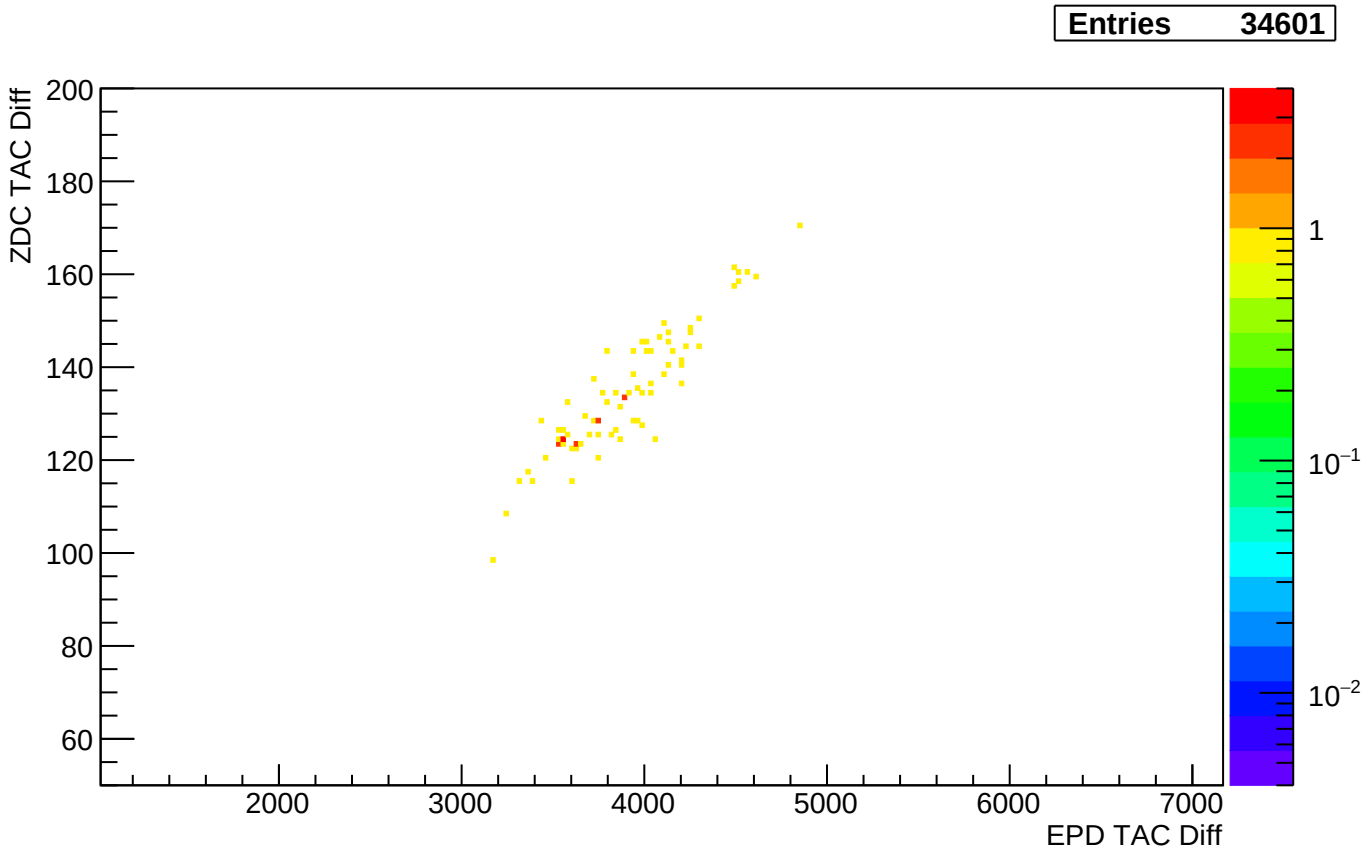

Entries 34601
TOF-Mult
BBC-S-West ADC Sum

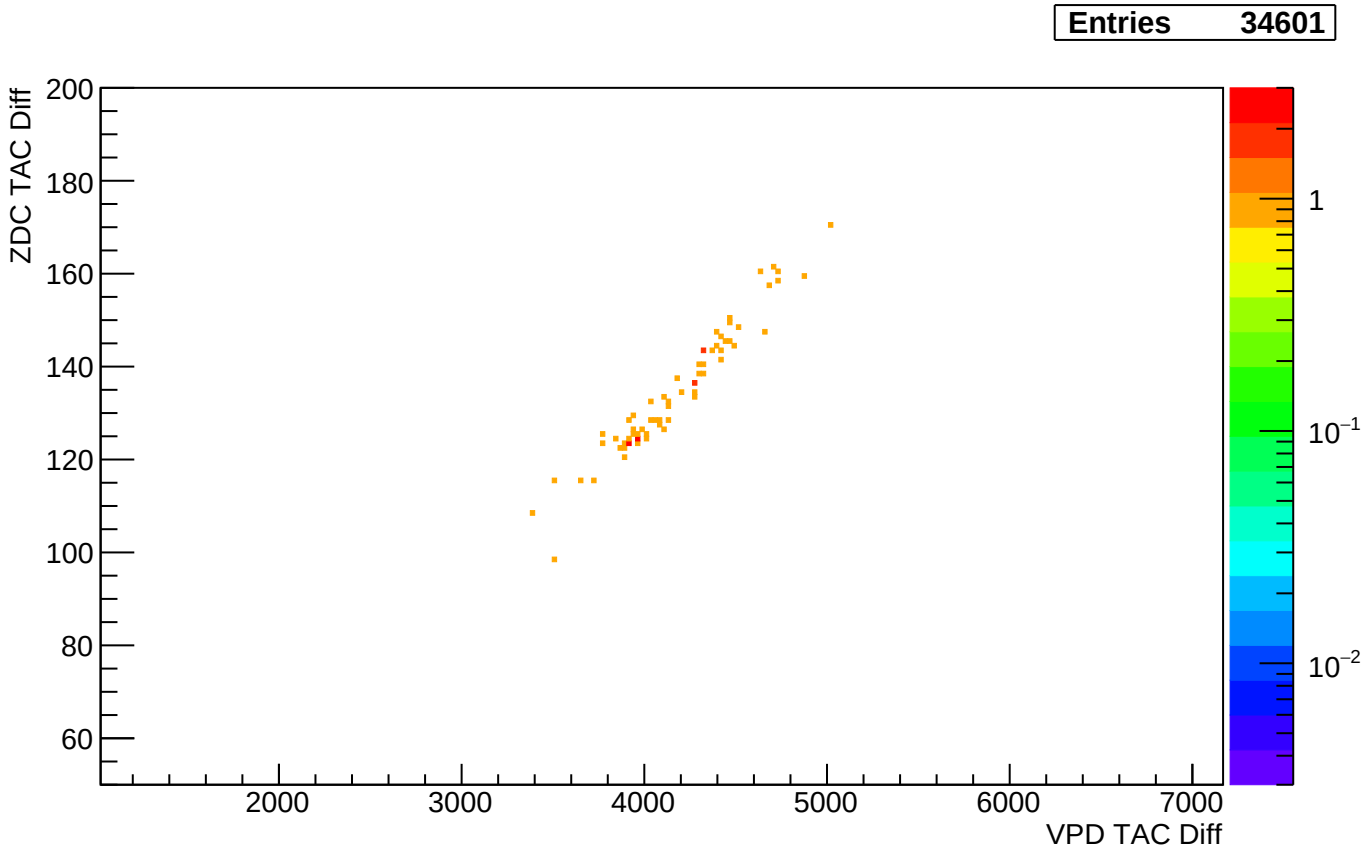

Entries 34601
TOF-Mult
EPD-East Hit Cnt

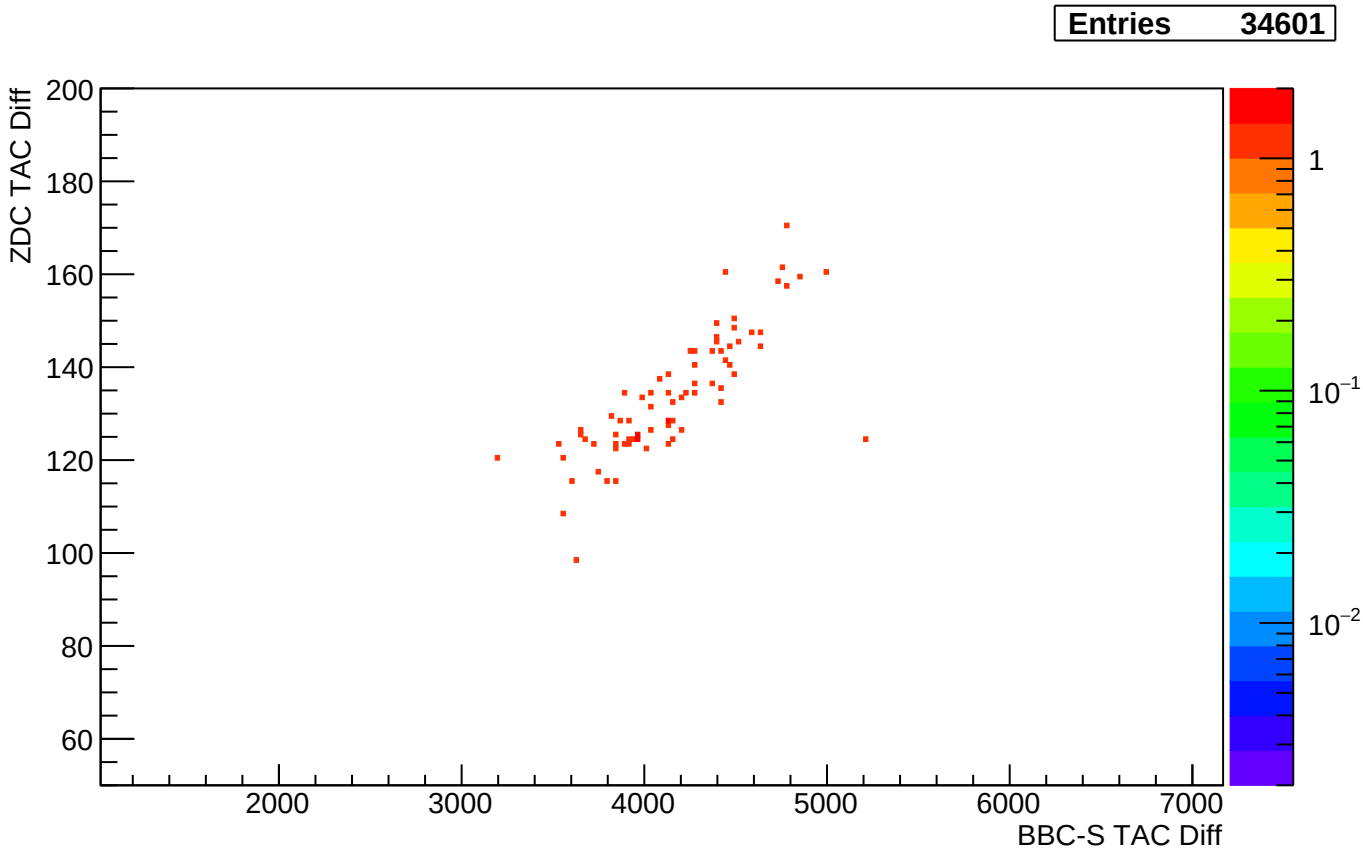

Entries 34601
TOF-Mult
EPD-West Hit Cnt

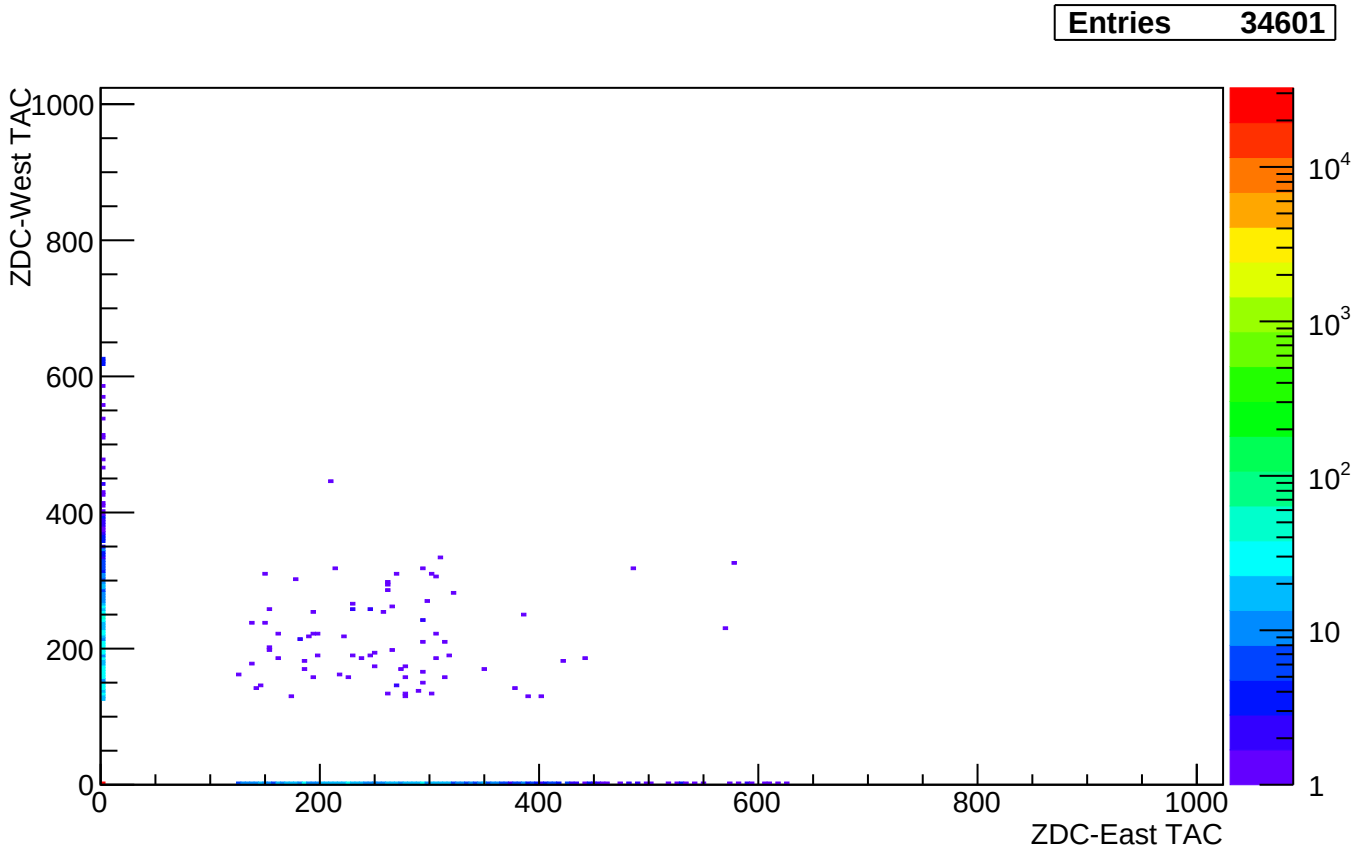

Entries 34601
TOF-Mult
VPD-East ADC Sum

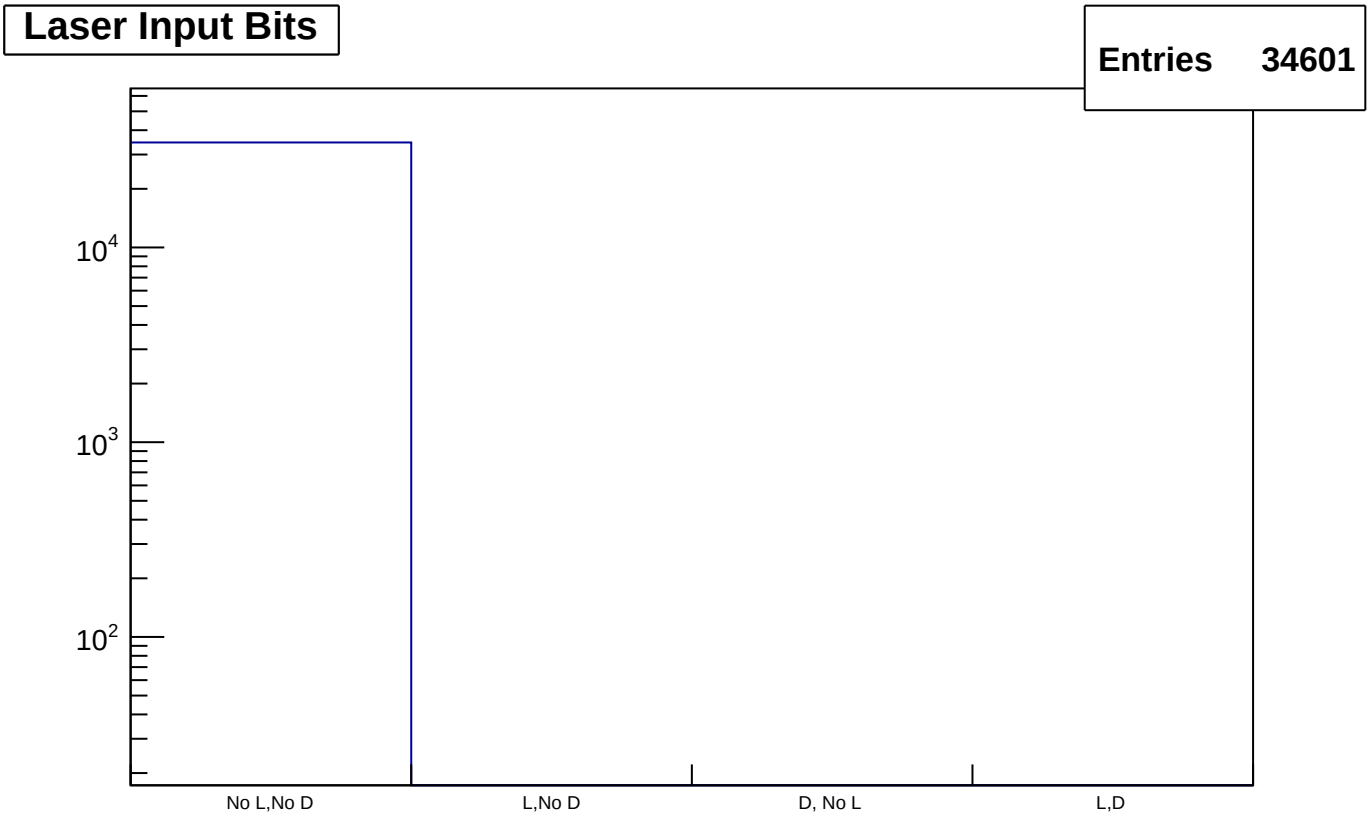

Entries 34601
TOF-Mult
VPD-West ADC Sum

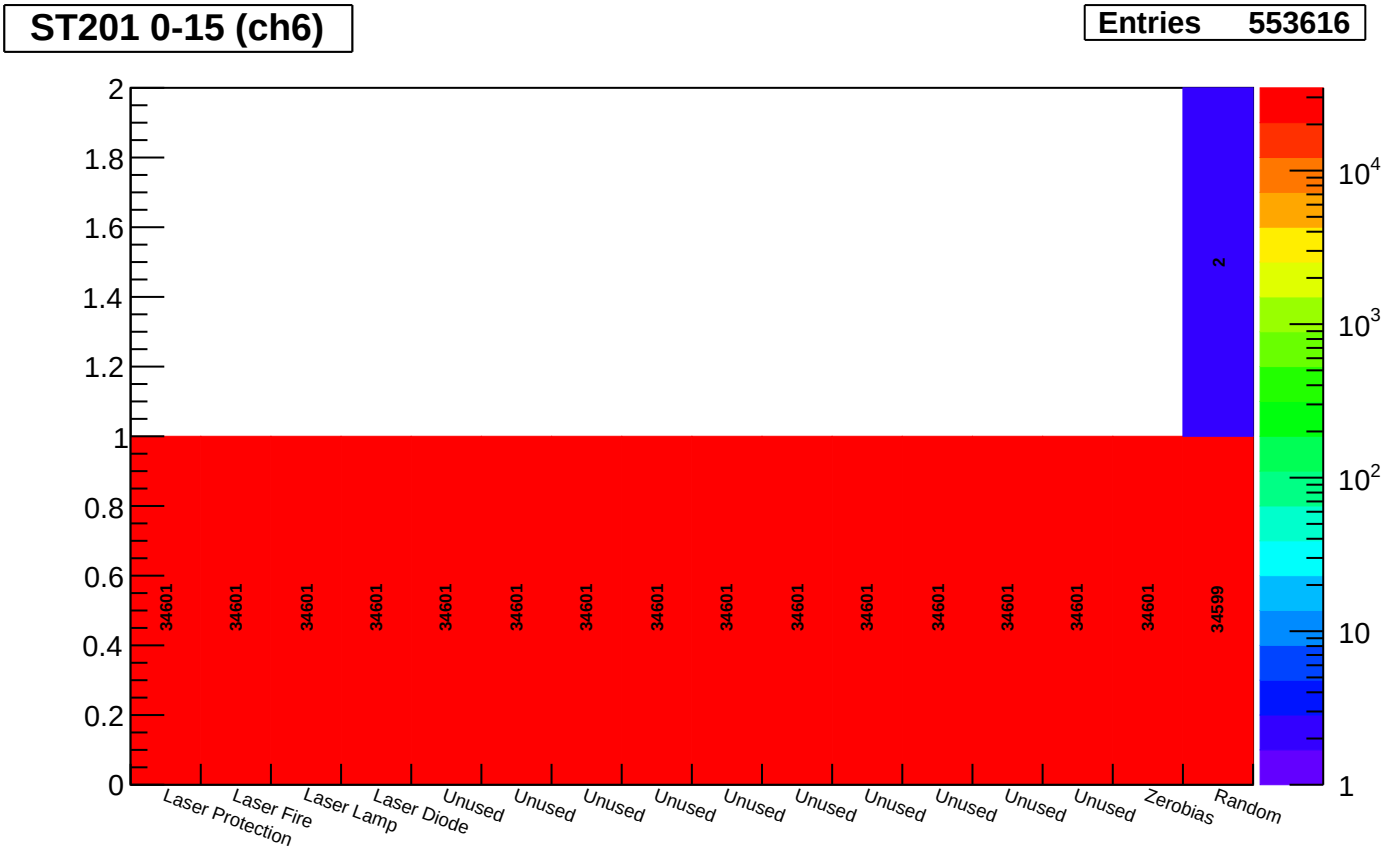

Entries 34601
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

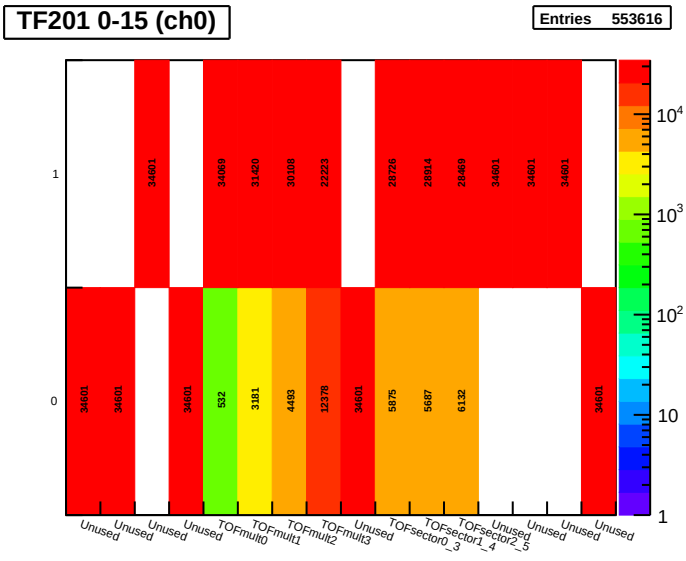

Entries 34601
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

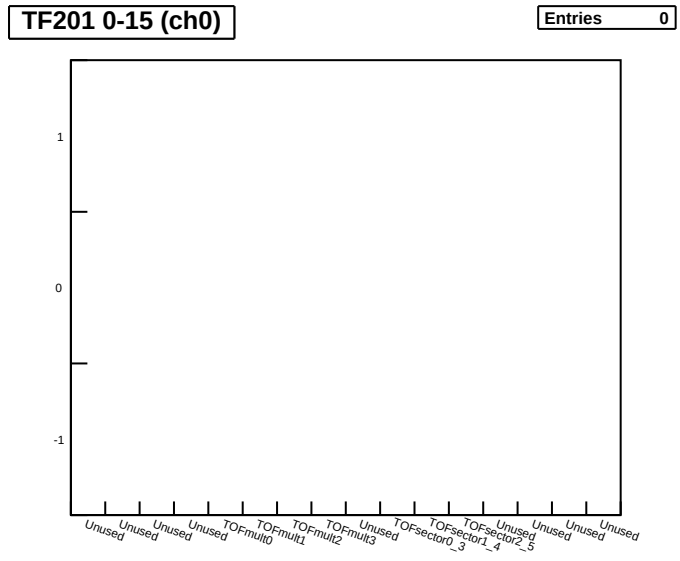

Entries 34601
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

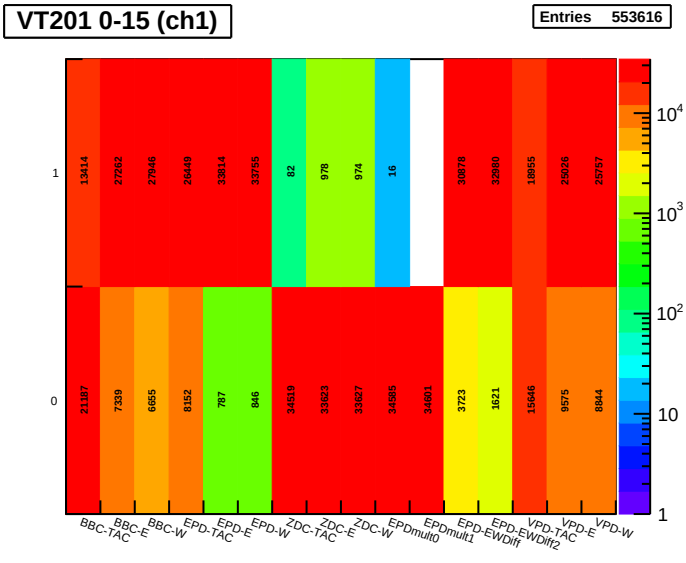

Entries 34601
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

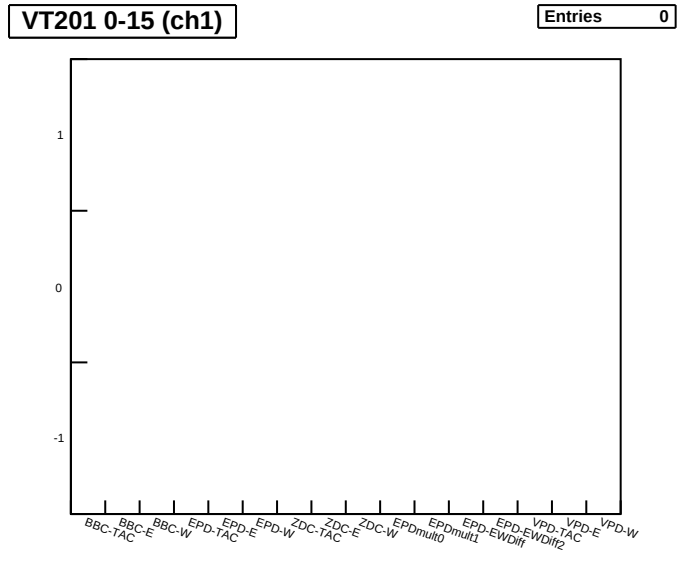

Laser Input Bits
Entries 34601
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

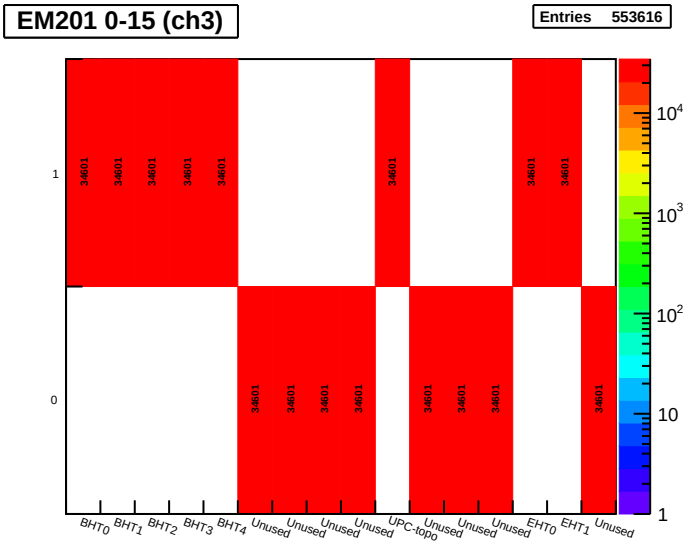

ST201 0-15 (ch6)
Entries 553616
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
34601
34601
34601
34601
34601
34601
34601
34601
34601
34601
34601
34601
34601
34601
34601
34599
2
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

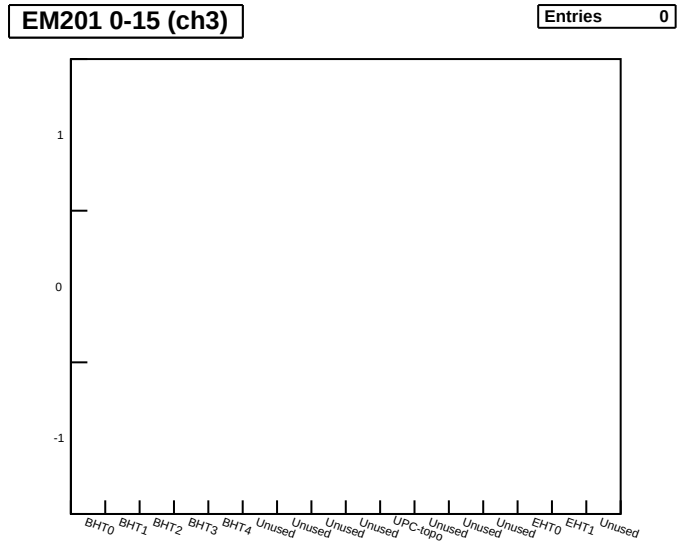

TF201 0-15 (ch0)
Entries 553616
1
0
34601 34601 34601 532 3181 4493 12378 34601 5875 5687 6132 34601
34601 34601 34601 31420 30108 22223 28726 28914 28469 34601 34601 34601
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused 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 553616
1
0
13414 27262 27946 26449 33814 33755 82 978 974 16 30878 32980 18955 25026 25757
21187 7339 6655 8152 787 846 34519 33623 33627 34585 34601 3723 1621 15646 9575 8844
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 553616
1
0
34601 34601 34601 34601 34601 34601 34601 34601 34601
34601 34601 34601 34601 34601 34601 34601 34601
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