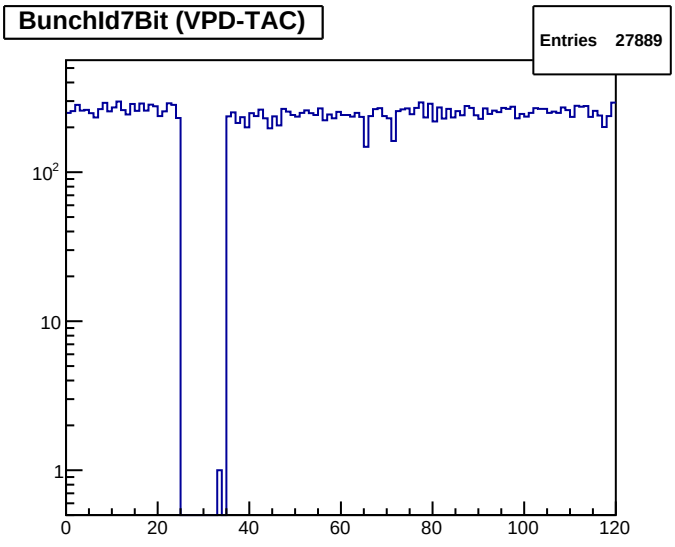
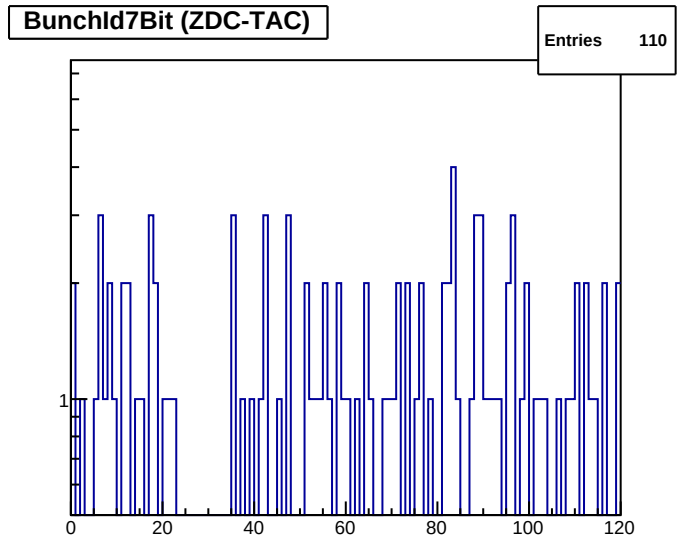
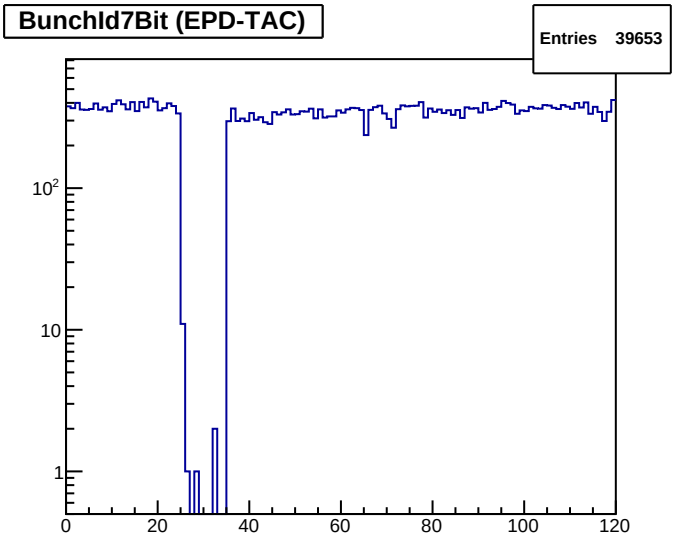
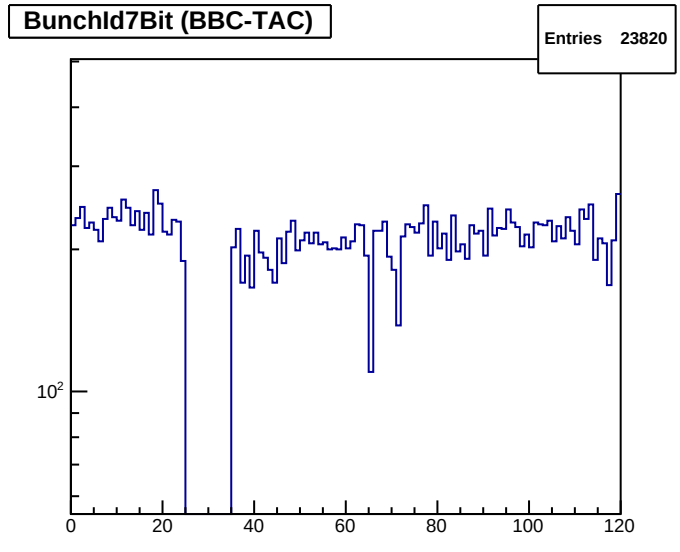
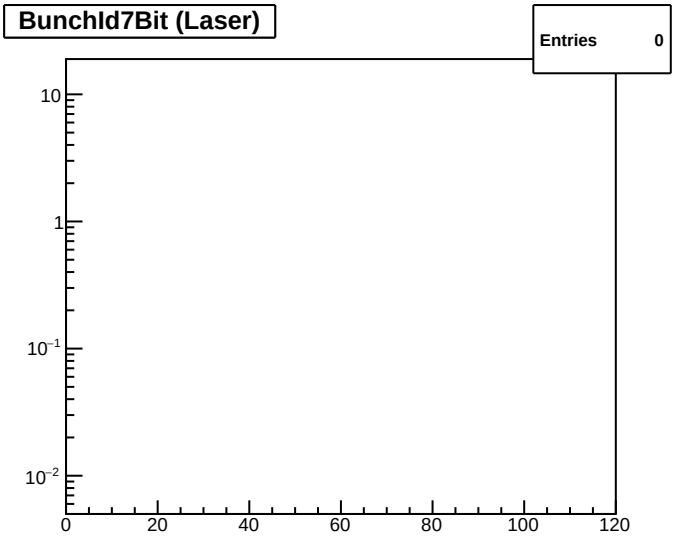
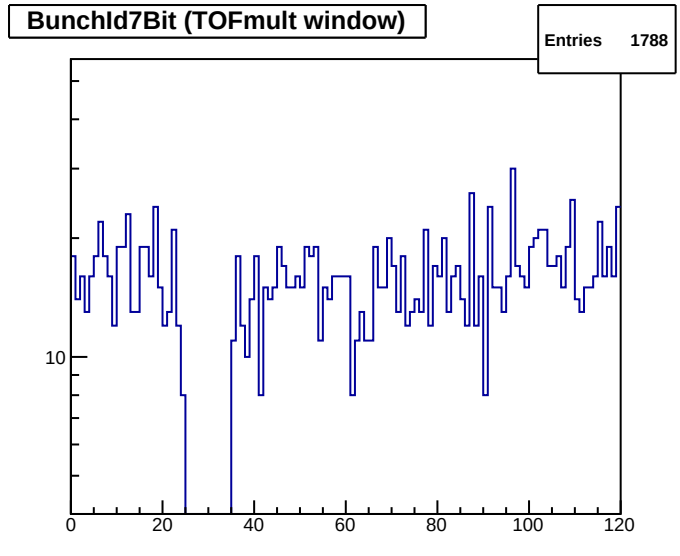

BunchId7Bit (VPD-TAC)
Entries 27889
10^2
10
1
0
20
40
60
80
100
120

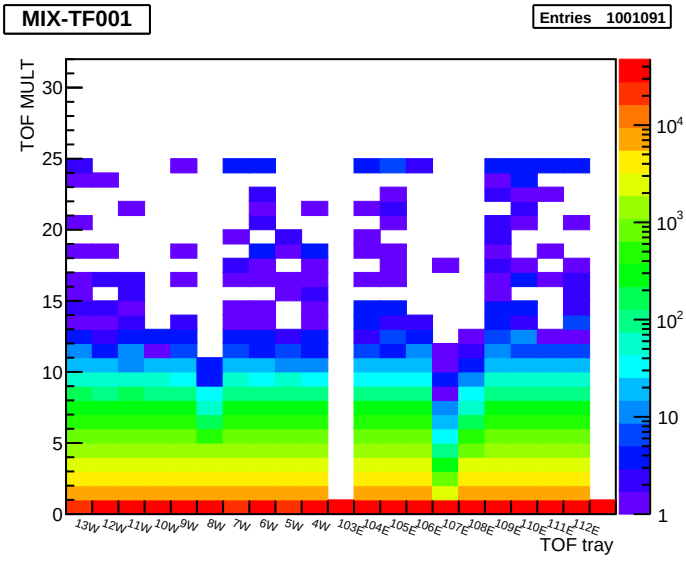

BunchId7Bit (ZDC-TAC)
Entries 110
1
0
20
40
60
80
100
120

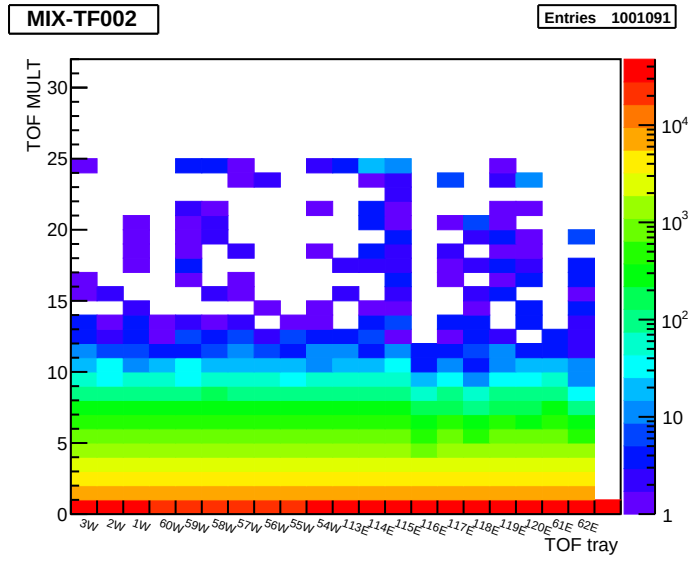

BunchId7Bit (EPD-TAC)
Entries 39653
10^2
10
1
0
20
40
60
80
100
120

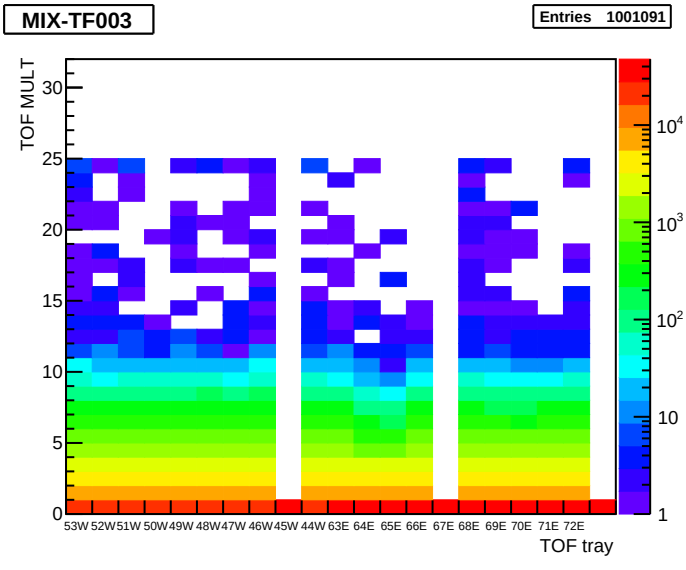

BunchId7Bit (BBC-TAC)
Entries 23820
10^2
0
20
40
60
80
100
120

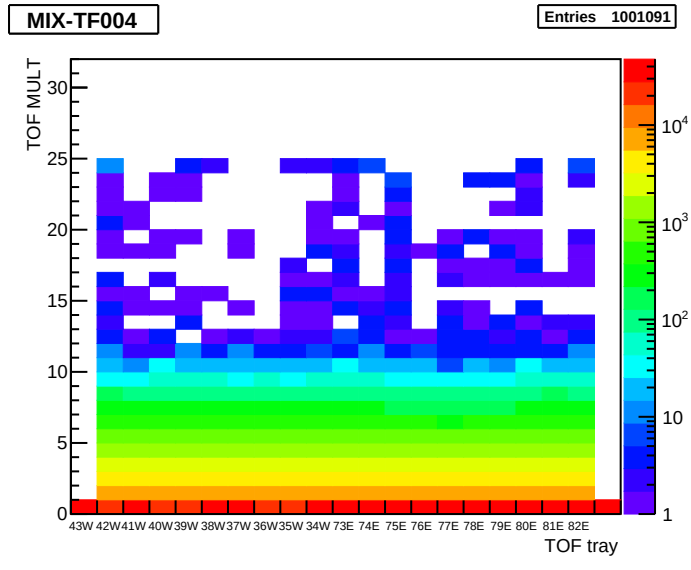

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

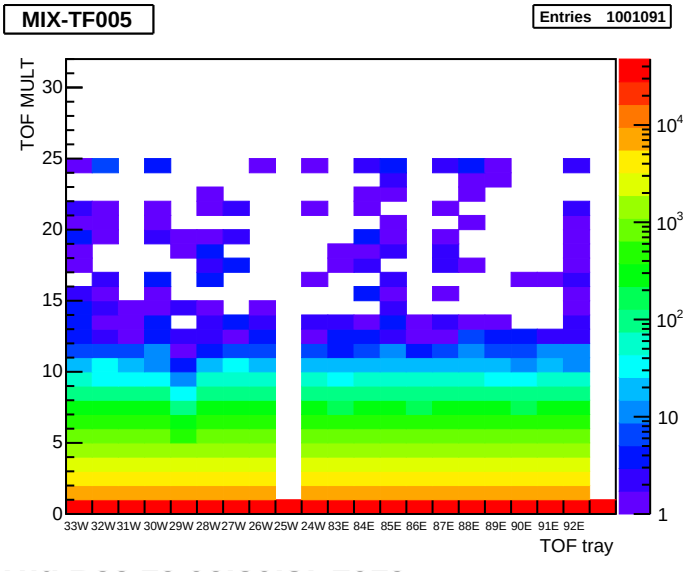

BunchId7Bit (TOFmult window)
Entries 1788
10
0
20
40
60
80
100
120

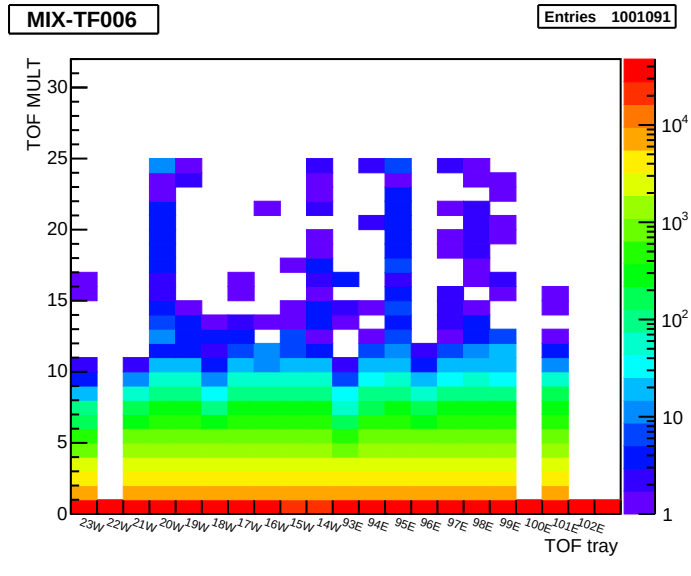

MIX-TF001
Entries 1001091
TOF MULT
TOF tray

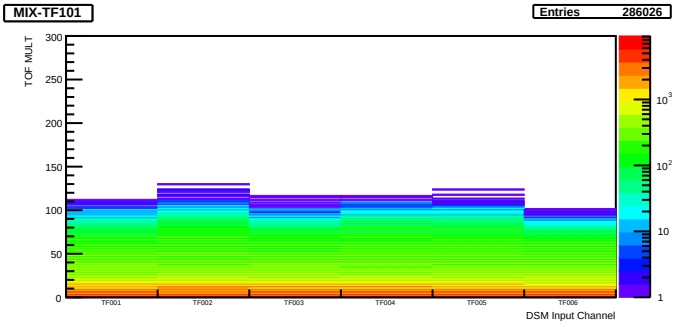

MIX-TF002
Entries 1001091
TOF MULT
TOF tray

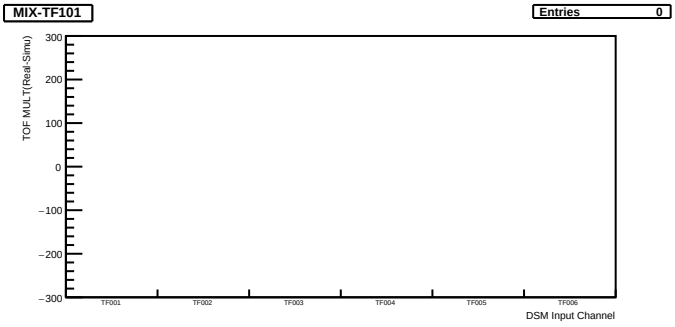

MIX-TF003
Entries 1001091
TOF MULT
TOF tray

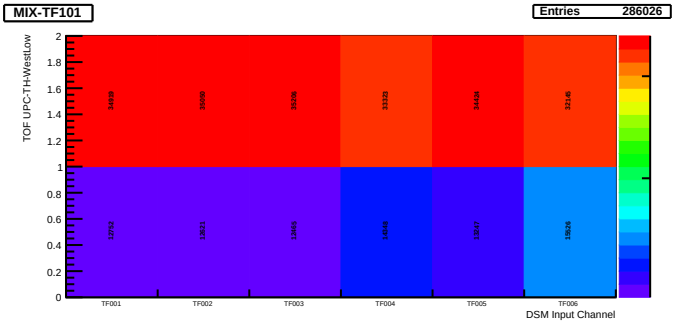

MIX-TF004
Entries 1001091
TOF MULT
TOF tray

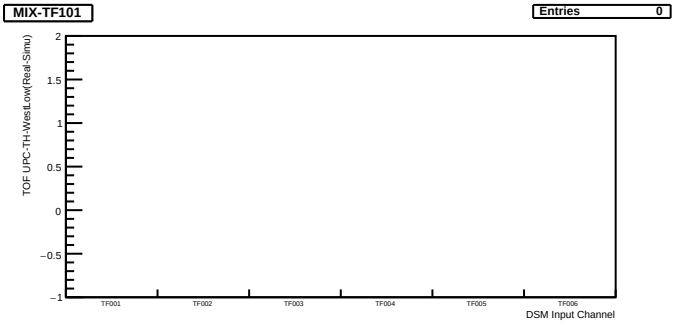

MIX-TF005
Entries 1001091
TOF MULT
TOF tray

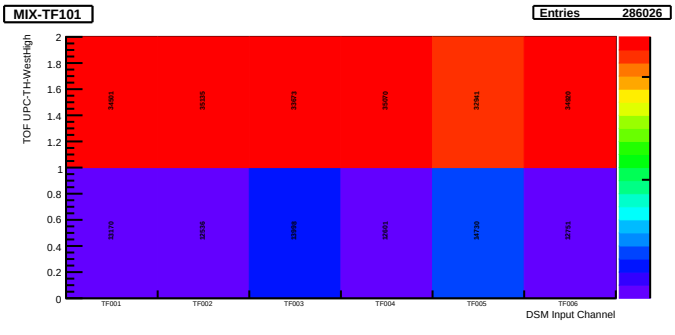

MIX-TF006
Entries 1001091
TOF MULT
TOF tray

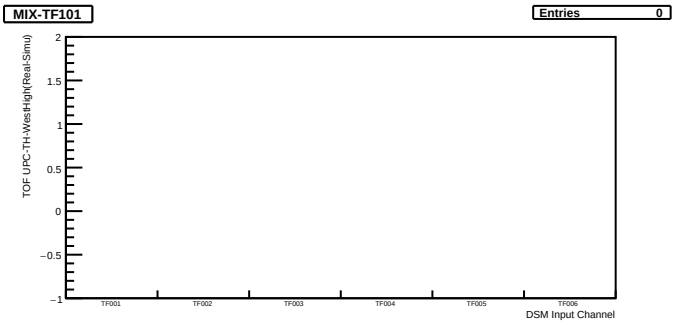

MIX-TF101
Entries 286026
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

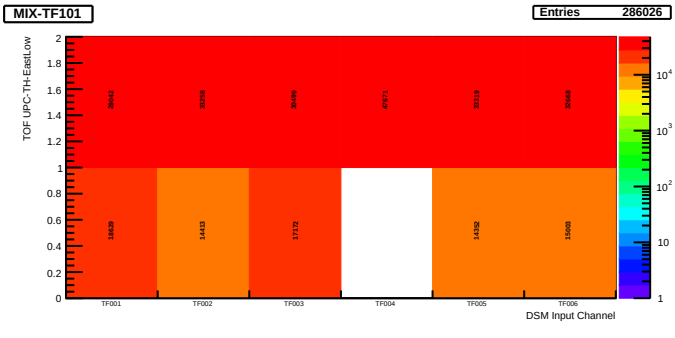

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

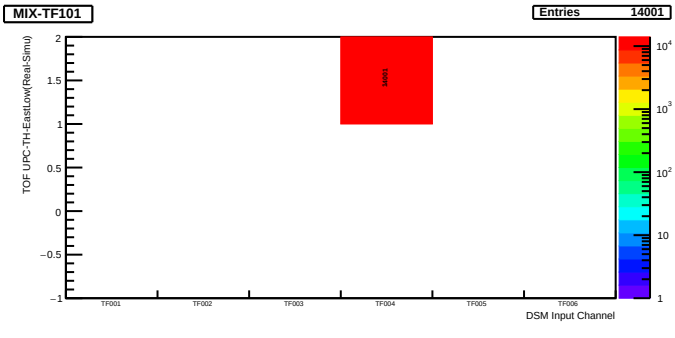

MIX-TF101
Entries 286026
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

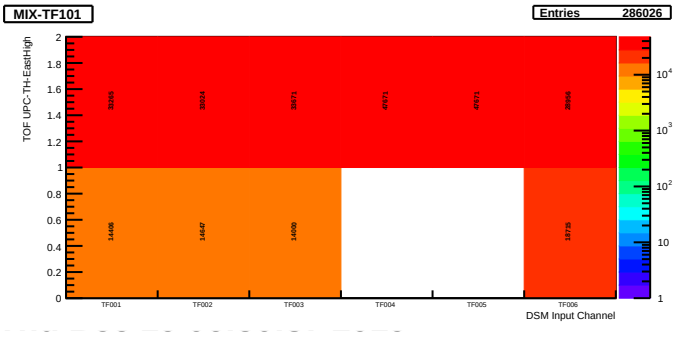

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

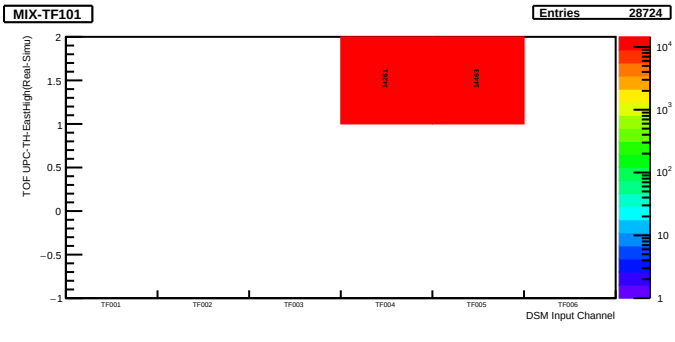

MIX-TF101
Entries 286026
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

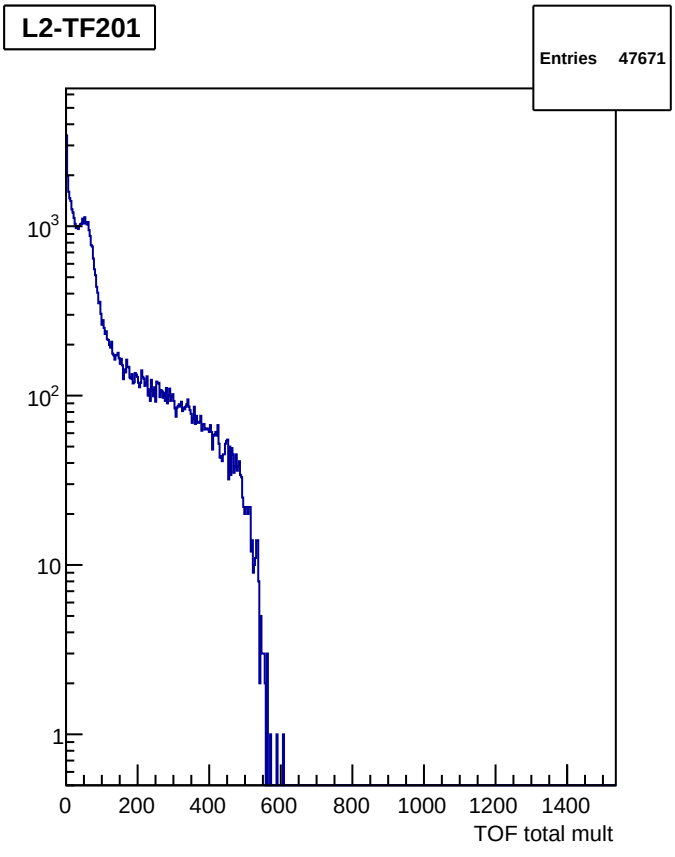

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

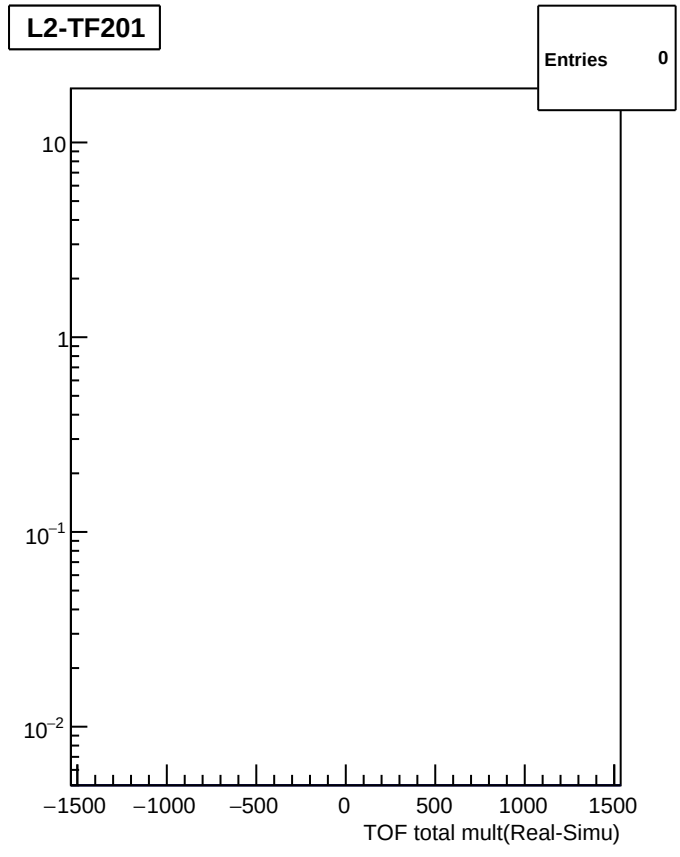

MIX-TF101
Entries 286026
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

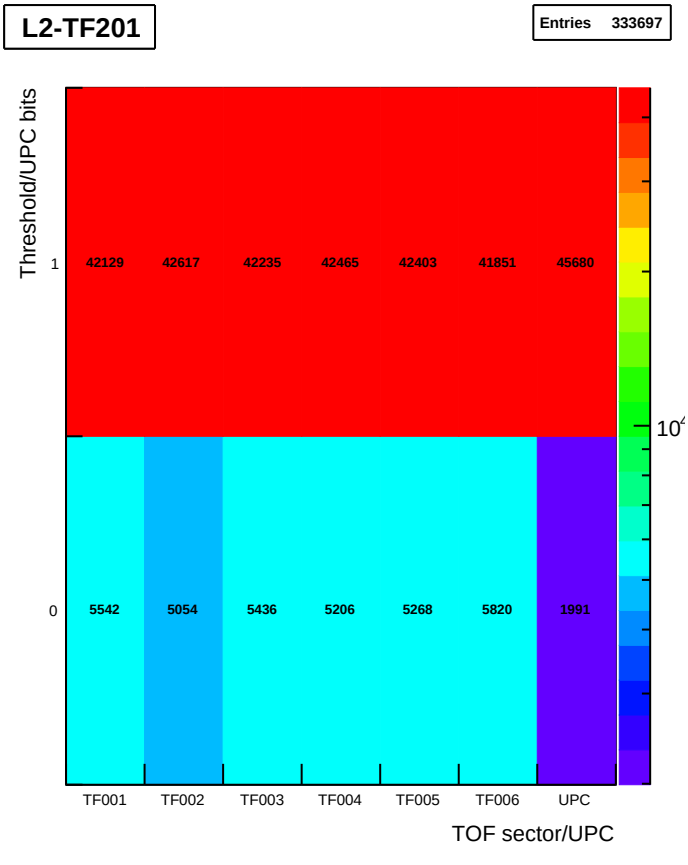

MIX-TF101
Entries 14001
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

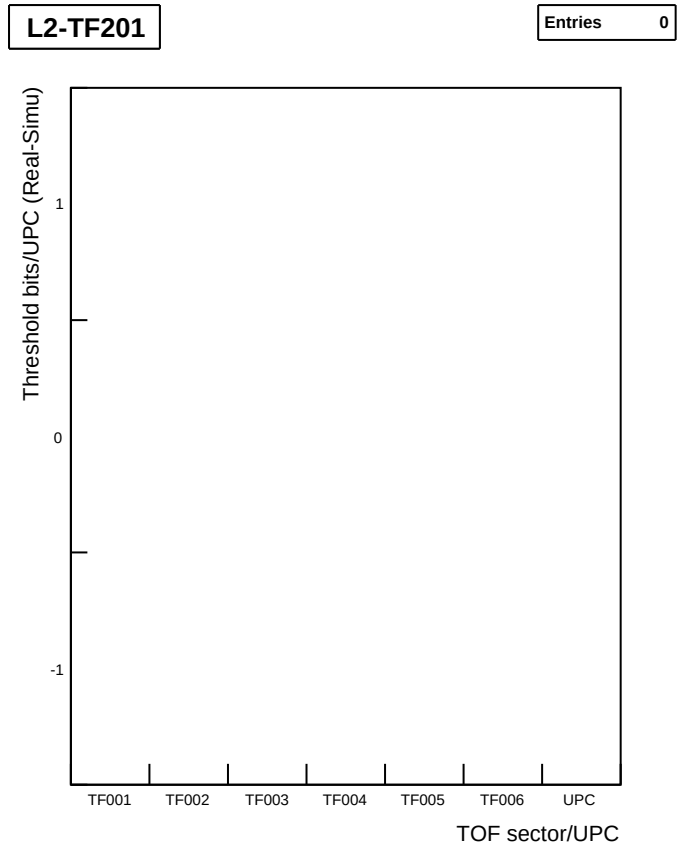

MIX-TF101
Entries 286026
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

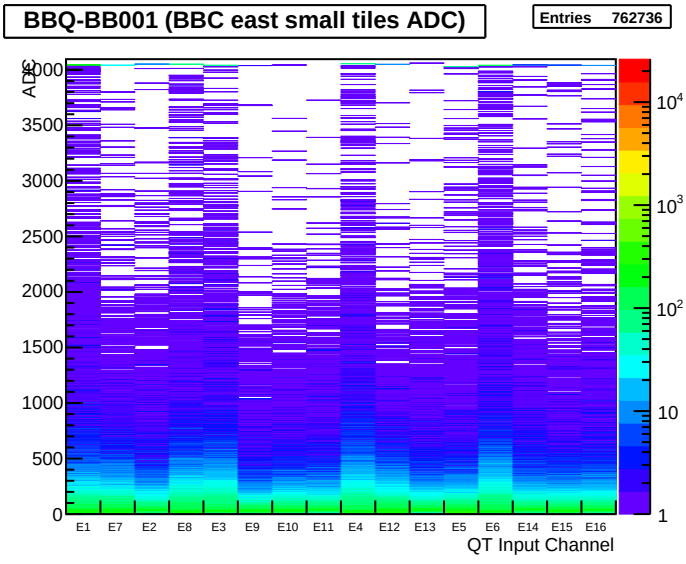

MIX-TF101
Entries 28724
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

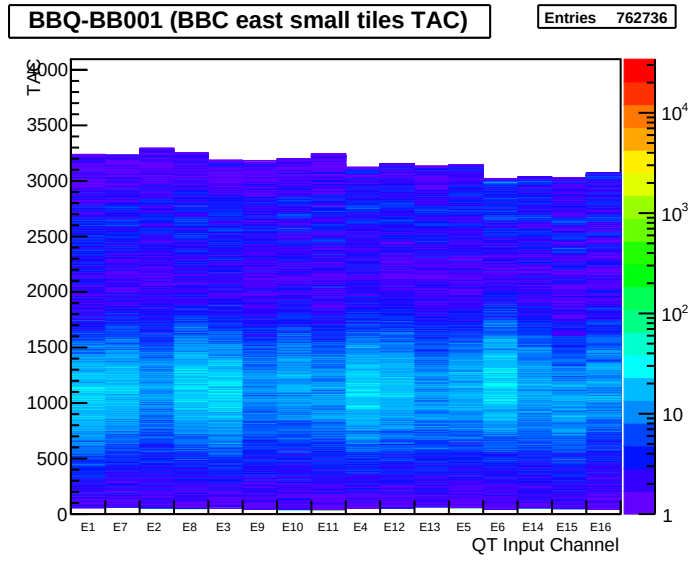

L2-TF201
Entries 47671
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

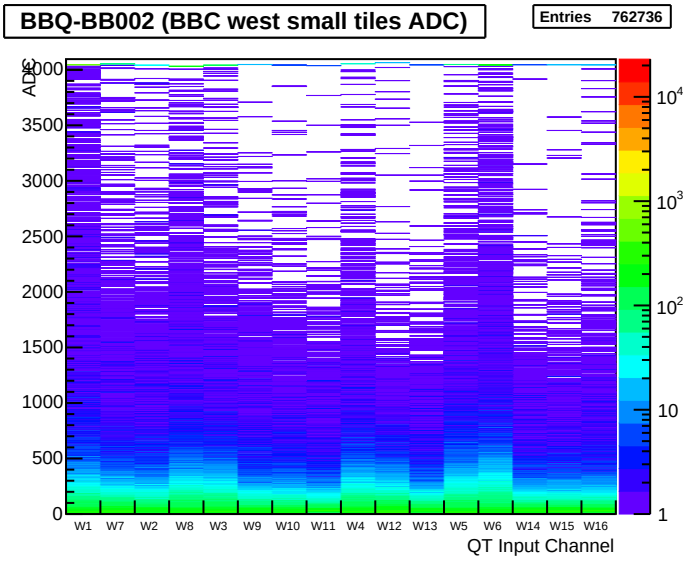

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

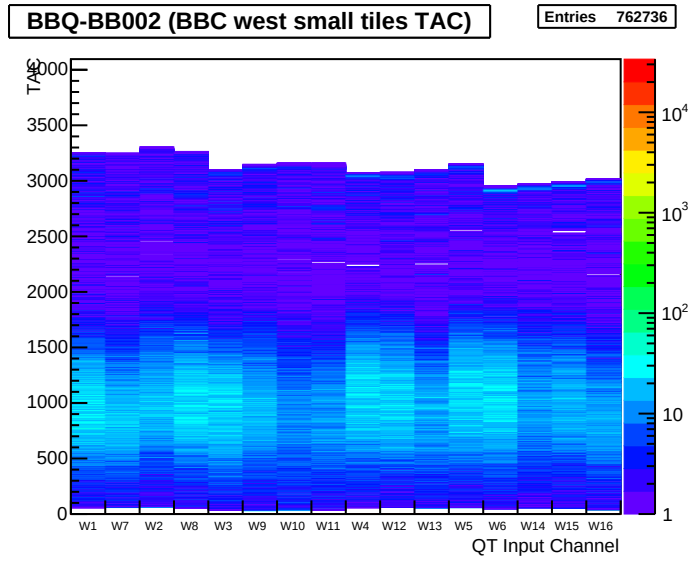

L2-TF201
Entries 333697
Threshold/UPC bits
1
0
42129
42617
42235
42465
42403
41851
45680
5542
5054
5436
5206
5268
5820
1991
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

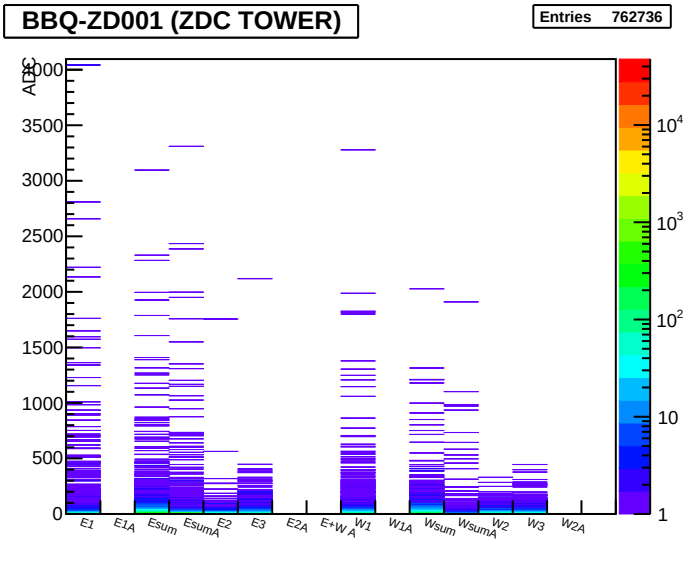

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

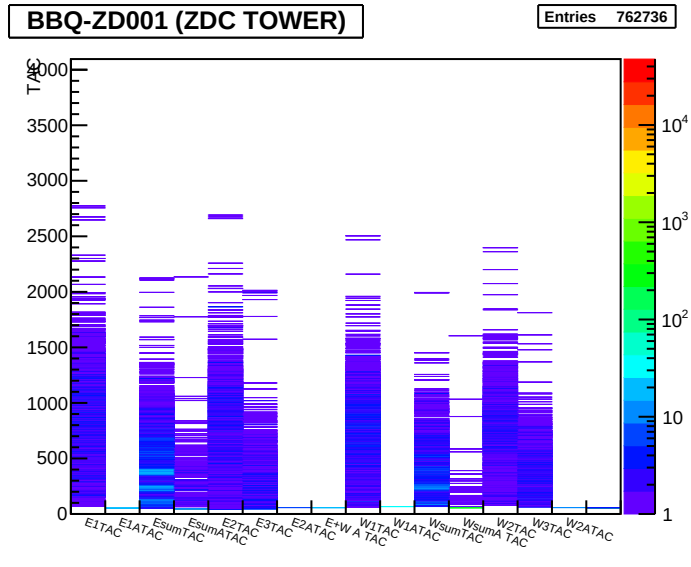

BBQ-BB001 (BBC east small tiles ADC)
Entries 762736
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

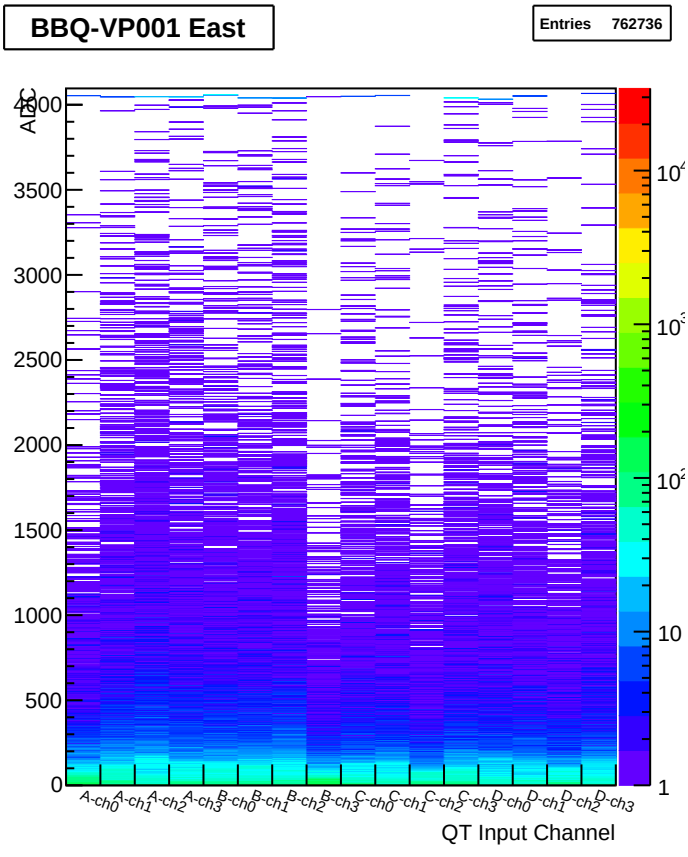

BBQ-BB001 (BBC east small tiles TAC)
Entries 762736
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

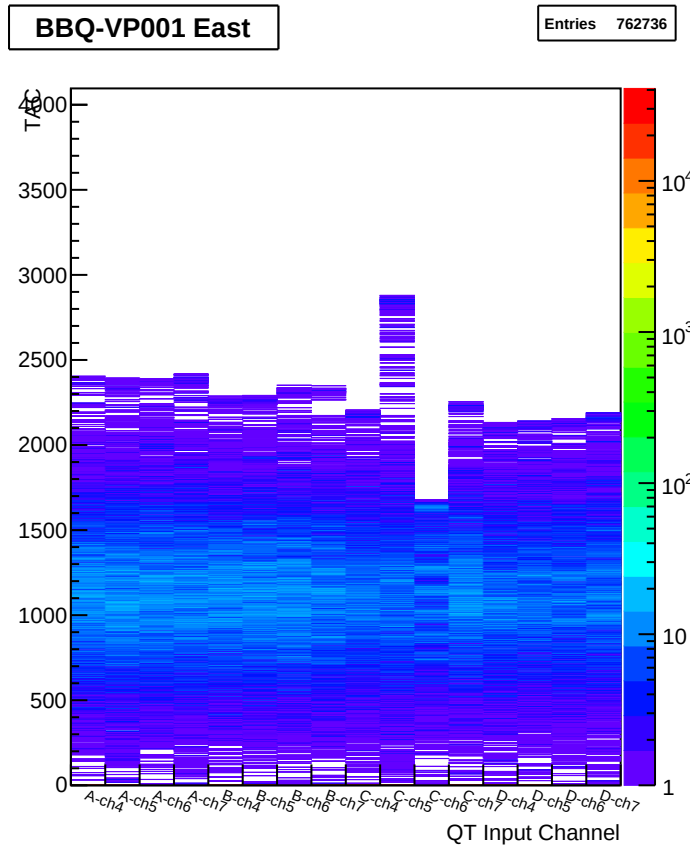

BBQ-BB002 (BBC west small tiles ADC)
Entries 762736
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

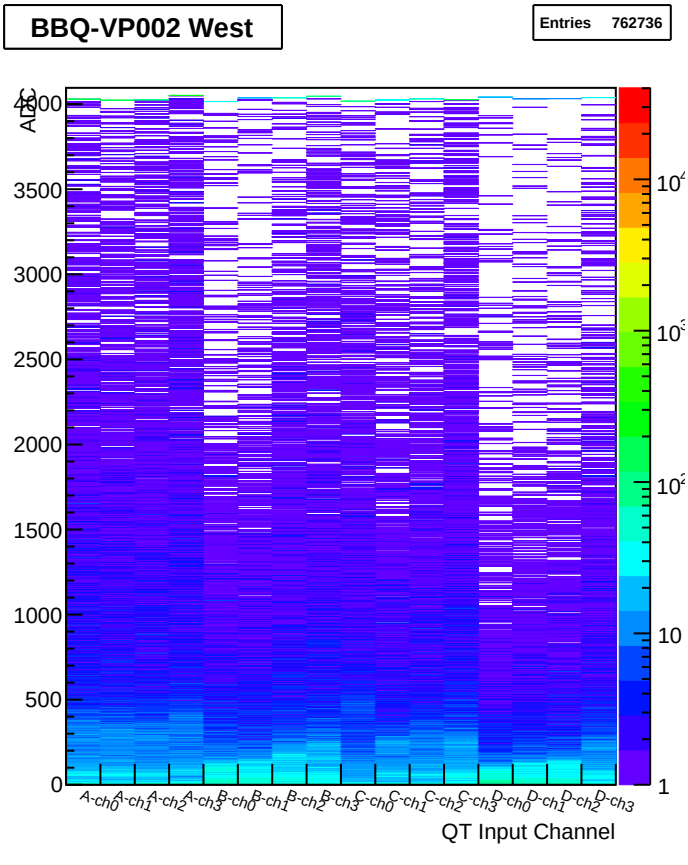

BBQ-BB002 (BBC west small tiles TAC)
Entries 762736
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

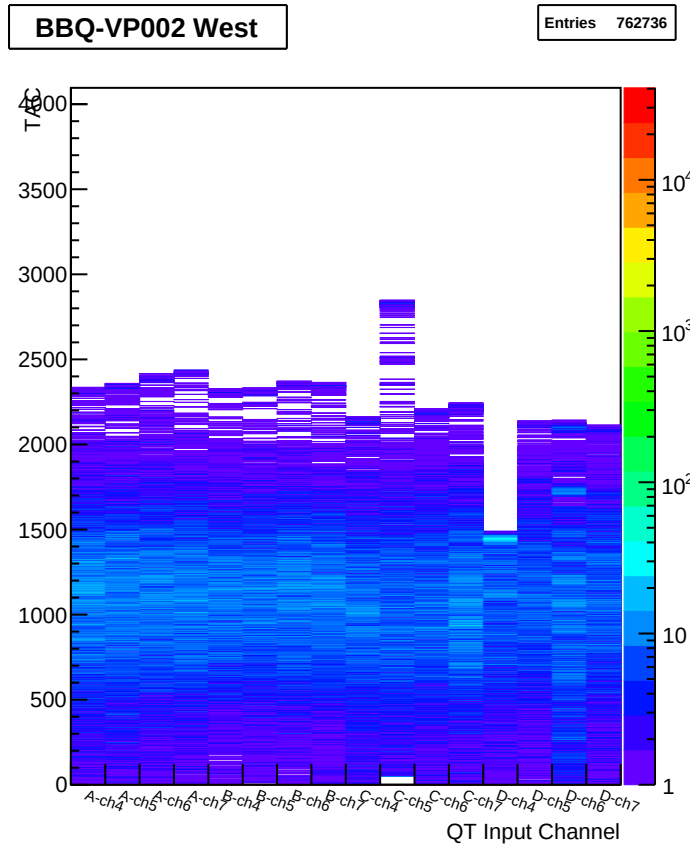

BBQ-ZD001 (ZDC TOWER)
Entries 762736
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

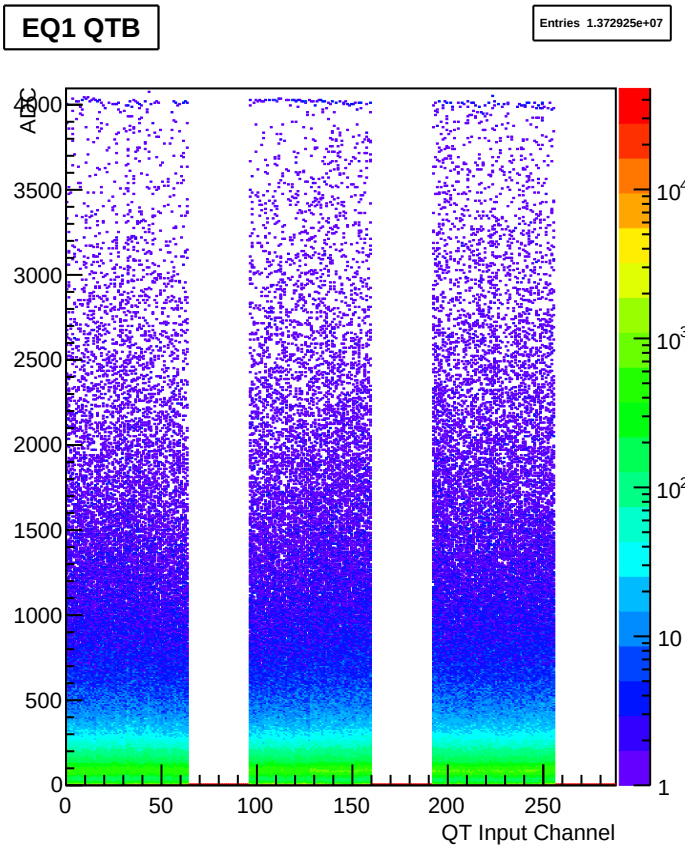

BBQ-ZD001 (ZDC TOWER)
Entries 762736
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

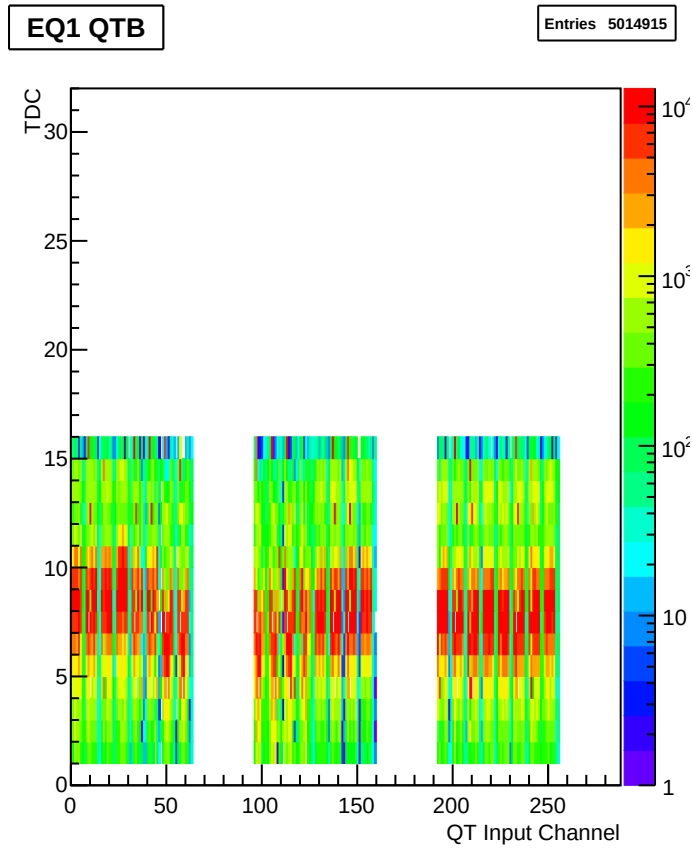

BBQ-VP001 East
Entries 762736
ADC
QT Input Channel

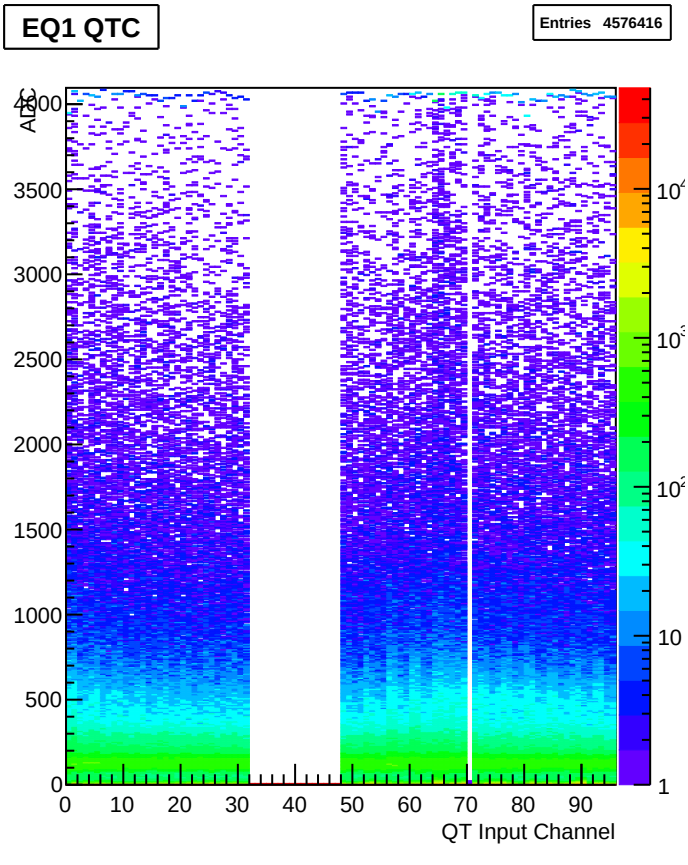

BBQ-VP001 East
Entries 762736
TADC
QT Input Channel

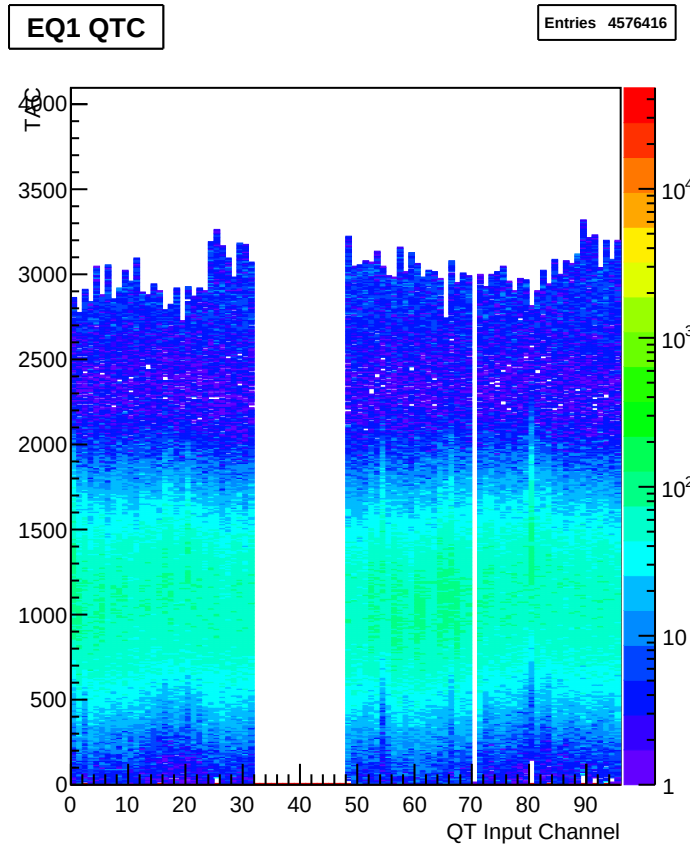

BBQ-VP002 West
Entries 762736
ADC
QT Input Channel

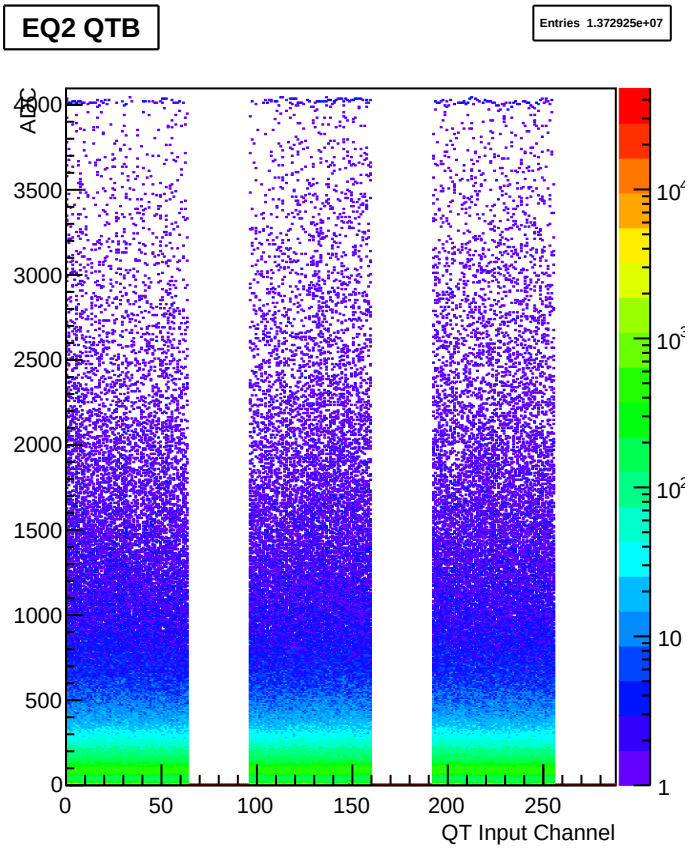

BBQ-VP002 West
Entries 762736
TADC
QT Input Channel

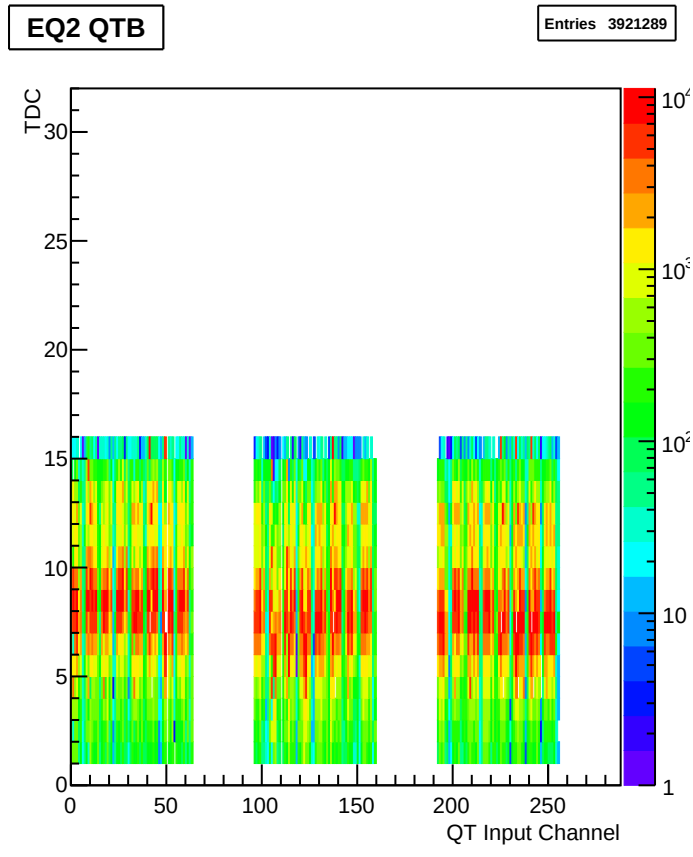

EQ1 QTB
Entries 1.372925e+07
ADC
QT Input Channel

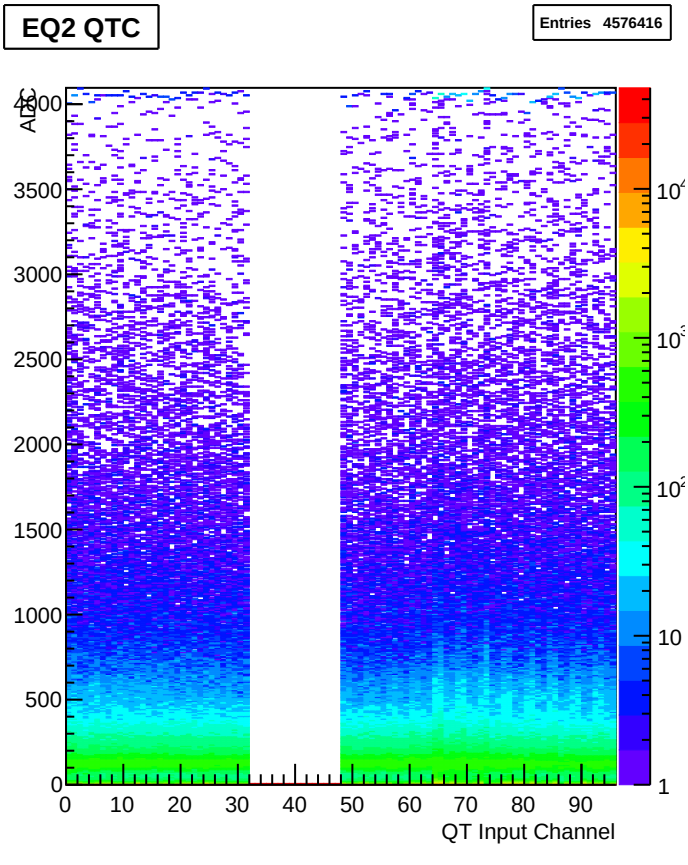

EQ1 QTB
Entries 5014915
TDC
QT Input Channel

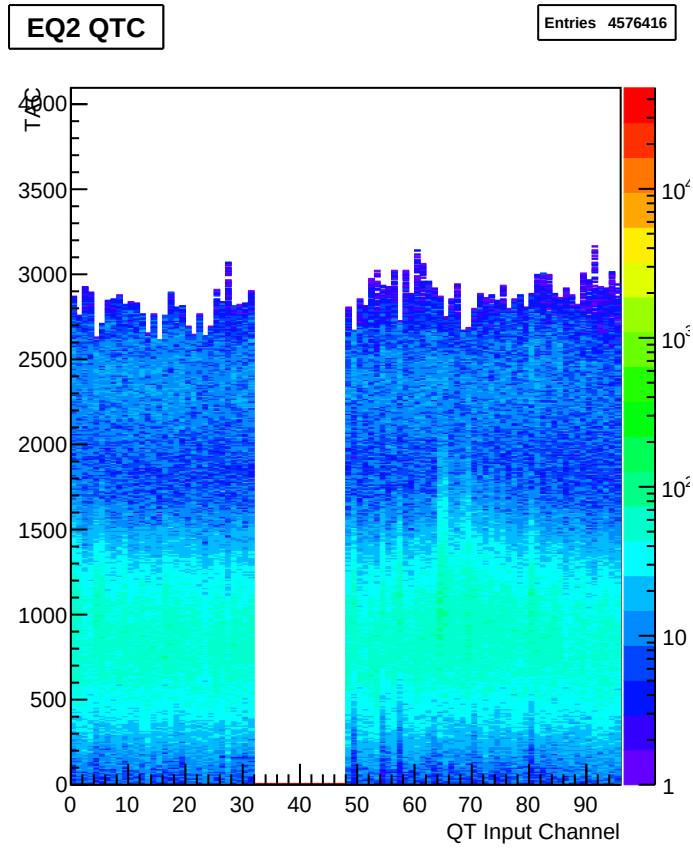

EQ1 QTC
Entries 4576416
ADC
QT Input Channel

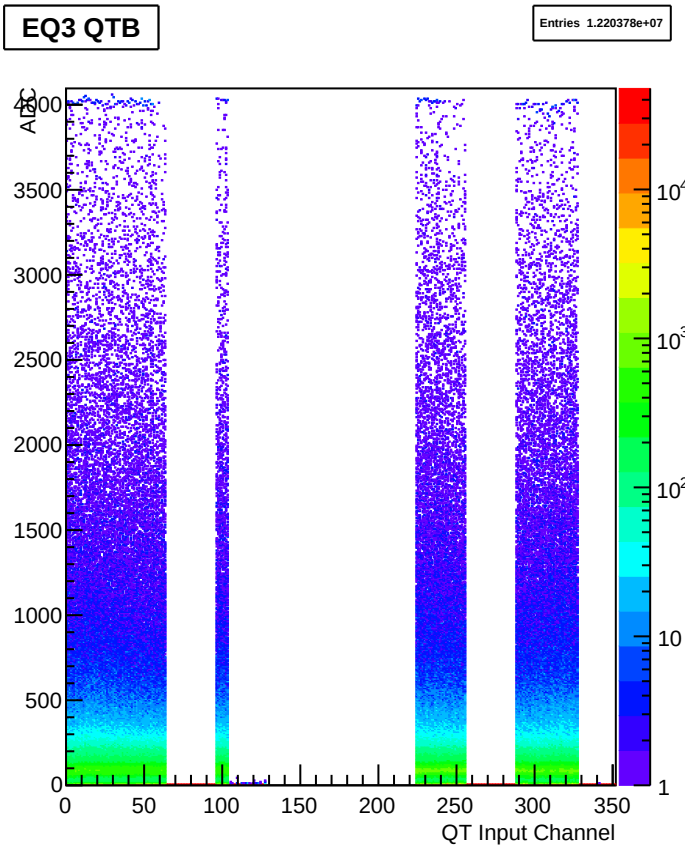

EQ1 QTC
Entries 4576416
TADC
QT Input Channel

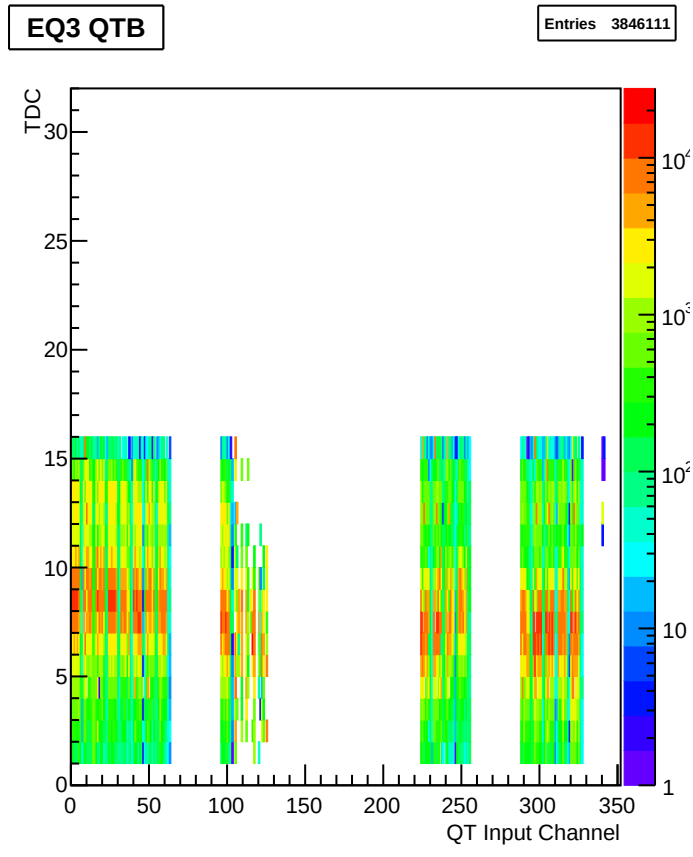

EQ2 QTB
Entries 1.372925e+07
ADC
QT Input Channel

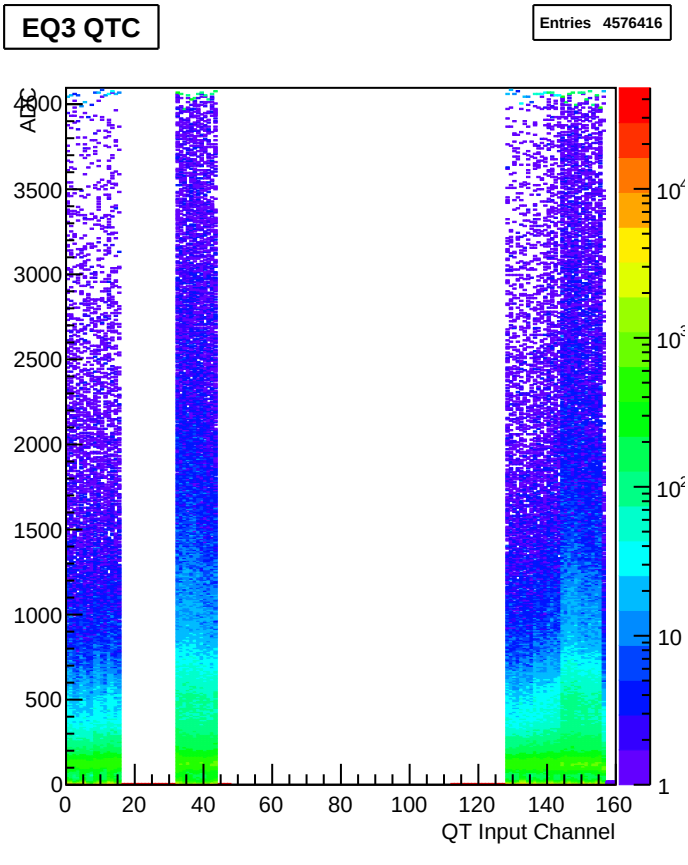

EQ2 QTB
Entries 3921289
TDC
QT Input Channel

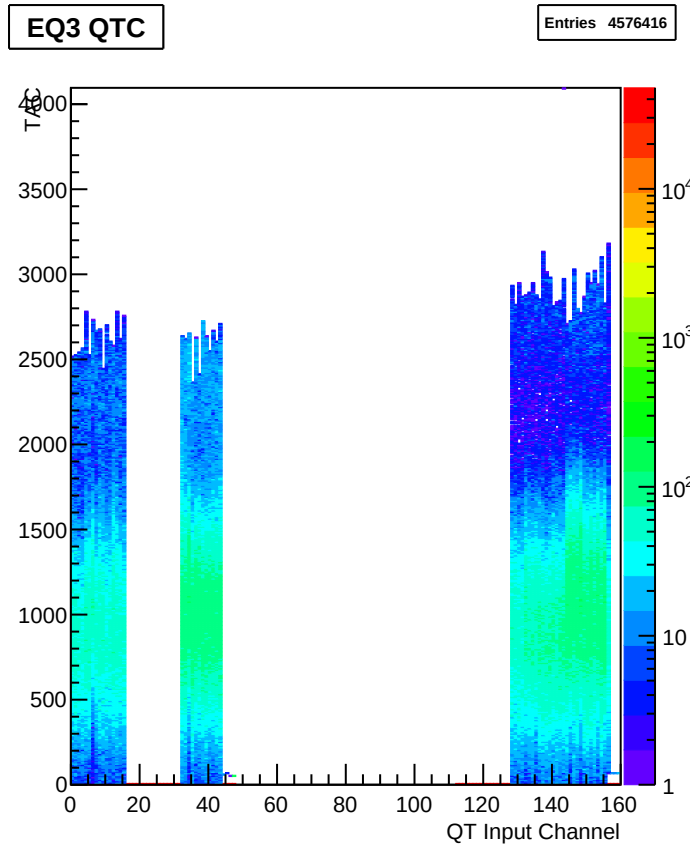

EQ2 QTC
Entries 4576416
ADC
QT Input Channel

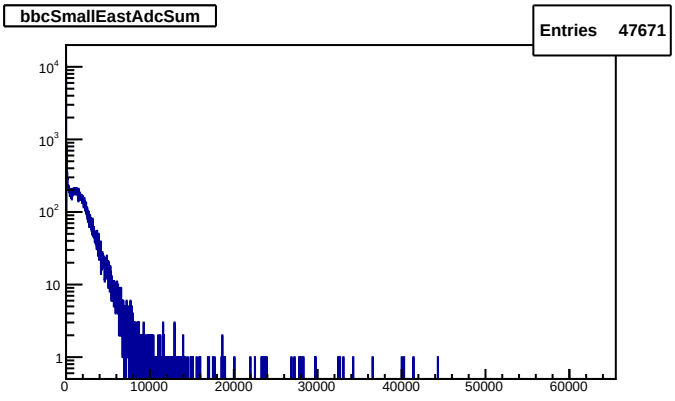

EQ2 QTC
Entries 4576416
TADC
QT Input Channel

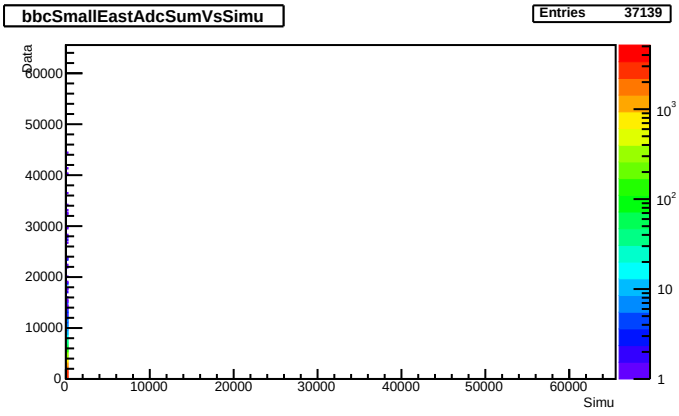

EQ3 QTB
Entries 1.220378e+07
ADC
QT Input Channel

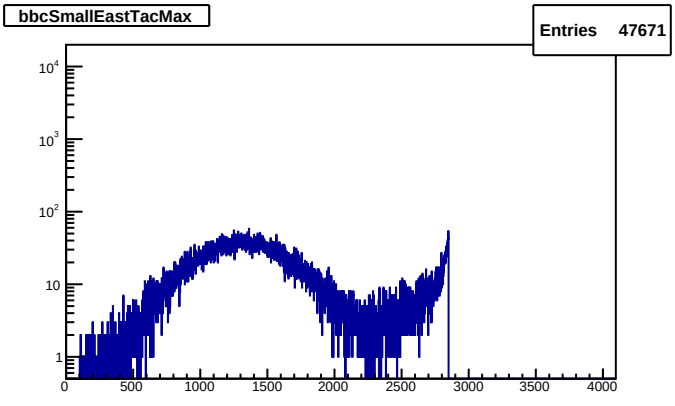

EQ3 QTB
Entries 3846111
TDC
QT Input Channel

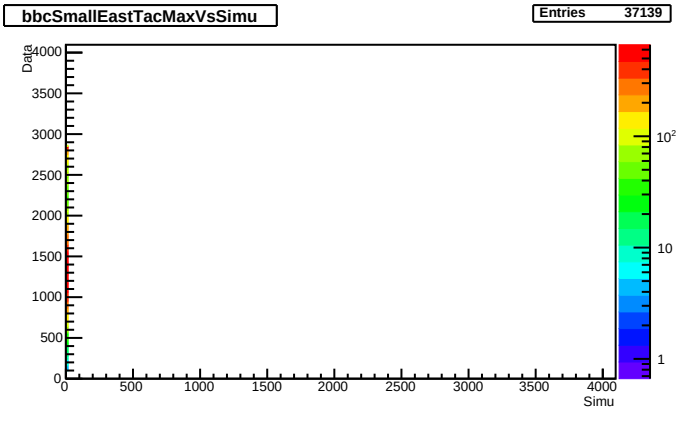

EQ3 QTC
Entries 4576416
ADC
QT Input Channel

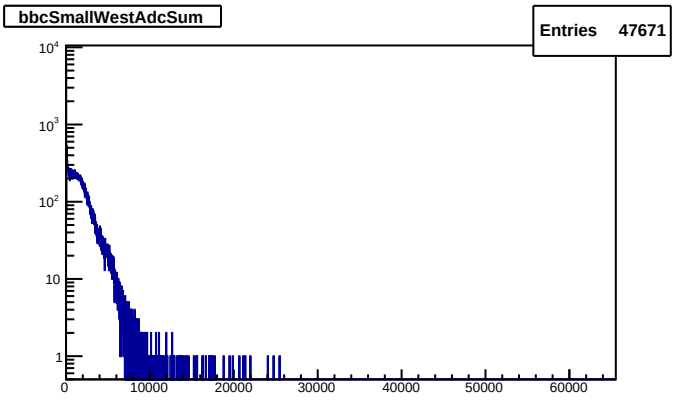

EQ3 QTC
Entries 4576416
TADC
QT Input Channel

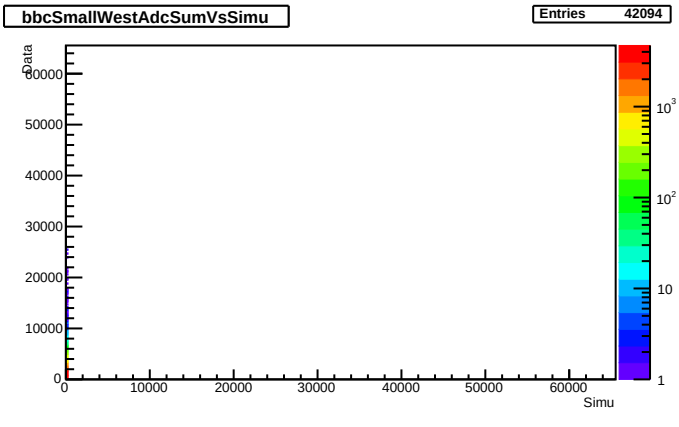

bbcSmallEastAdcSum
Entries 47671

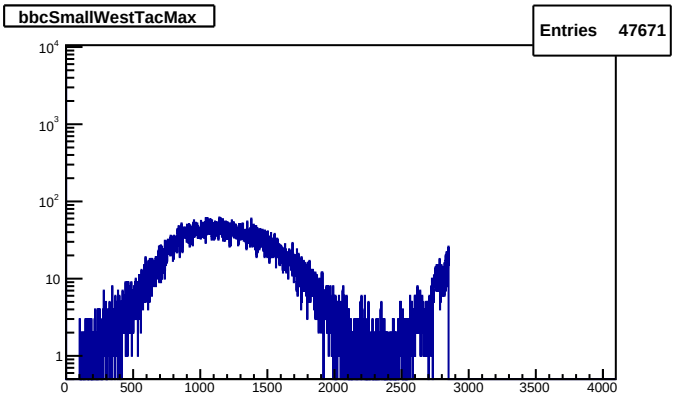

bbcSmallEastAdcSumVsSimu
Entries 37139
Data
Simu

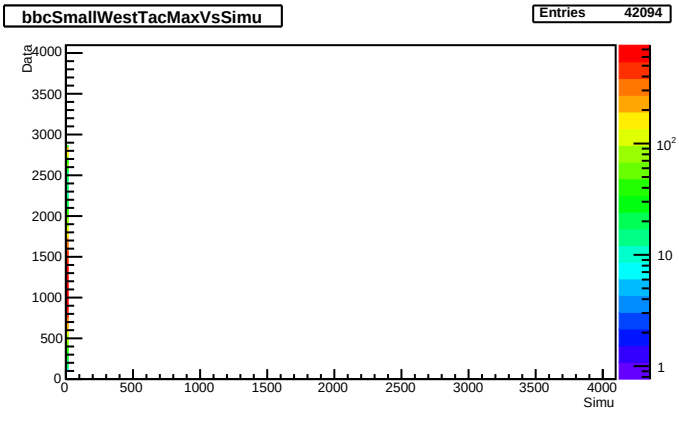

bbcSmallEastTacMax
Entries 47671

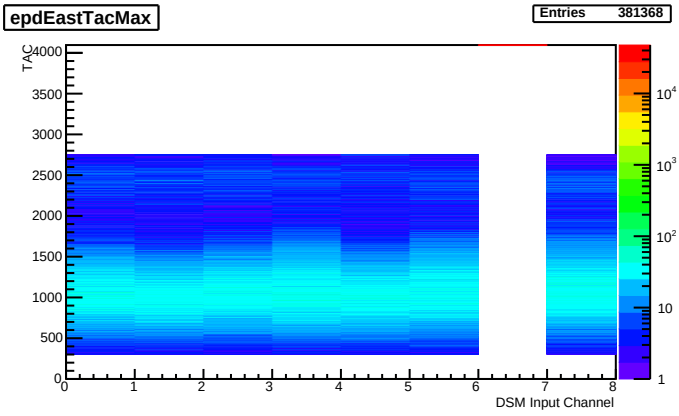

bbcSmallEastTacMaxVsSimu
Entries 37139
Data
Simu

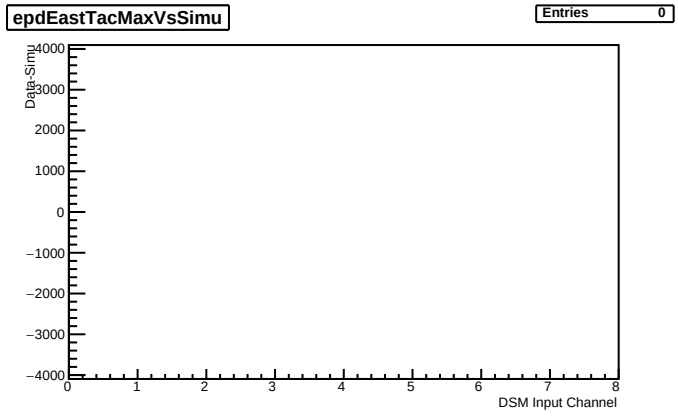

bbcSmallWestAdcSum
Entries 47671

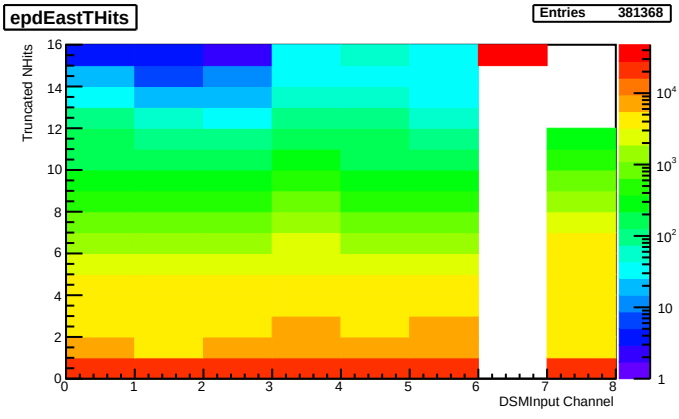

bbcSmallWestAdcSumVsSimu
Entries 42094
Data
Simu

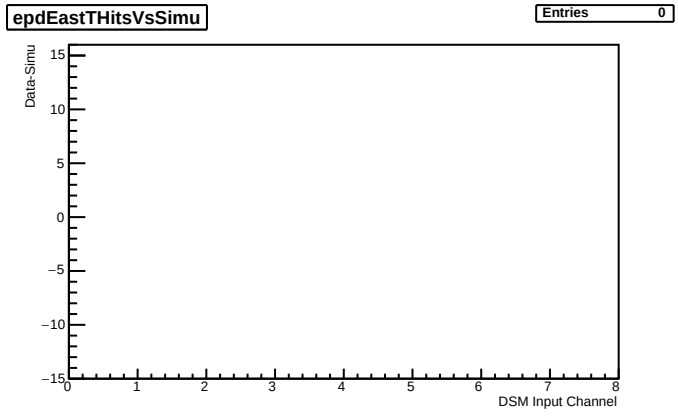

bbcSmallWestTacMax
Entries 47671


bbcSmallWestTacMaxVsSimu
Entries 42094
Data
Simu


epdEastTacMax
Entries 381368
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 381368
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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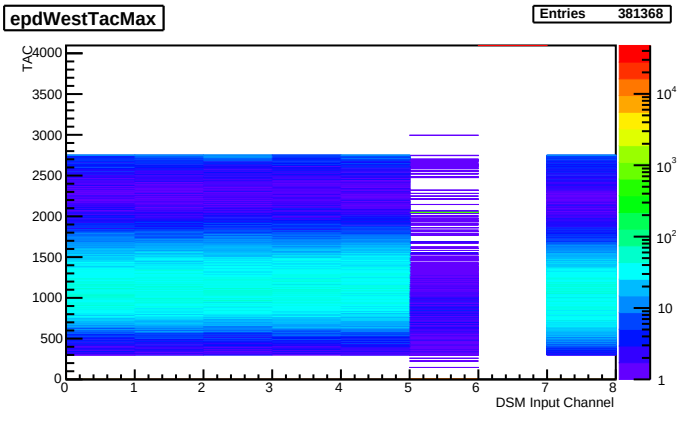
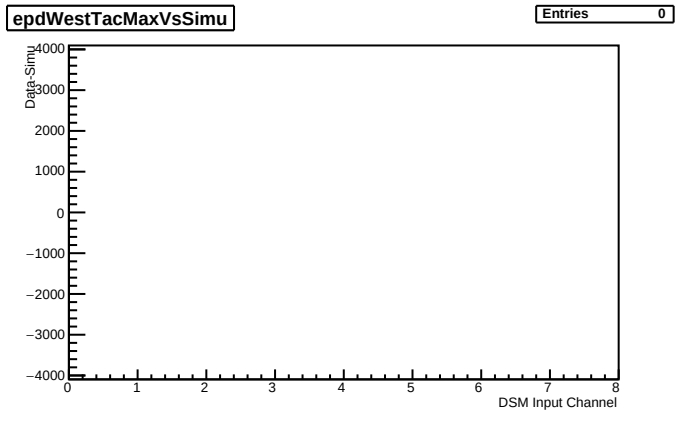
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 381368
TAC
DSM Input Channel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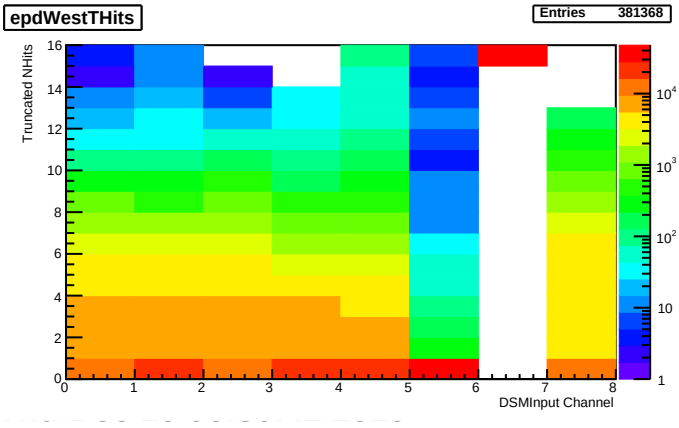
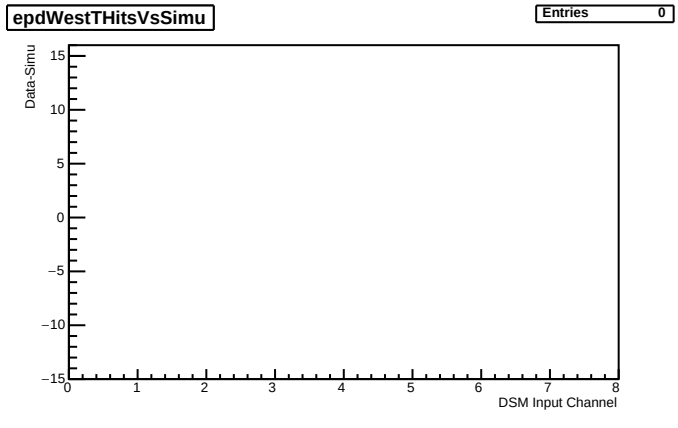
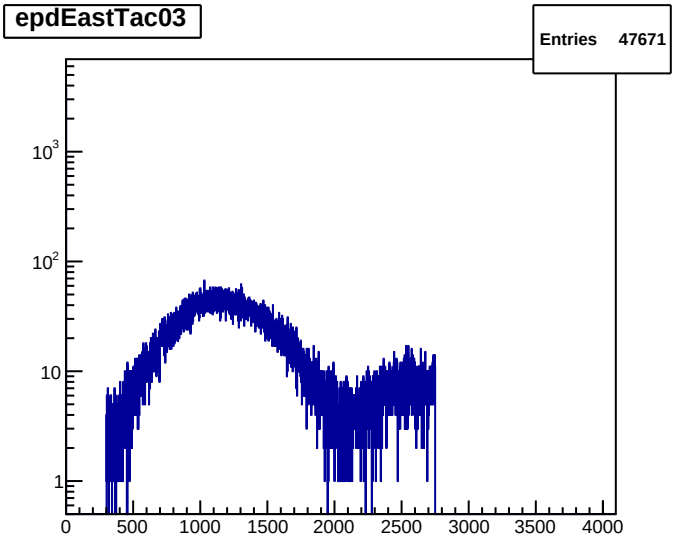
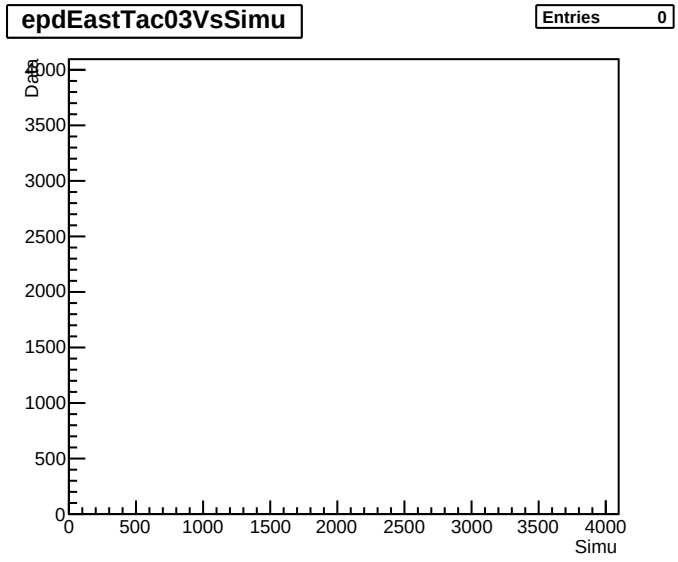
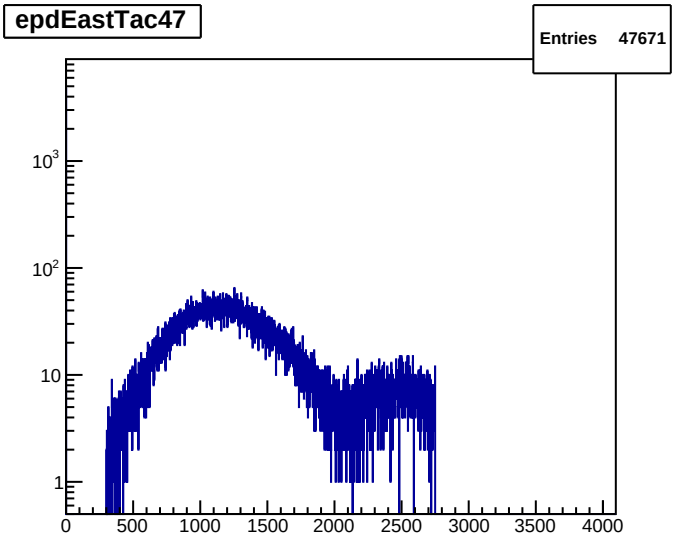
Entries 0
Data-Simu
DSM Input Channel

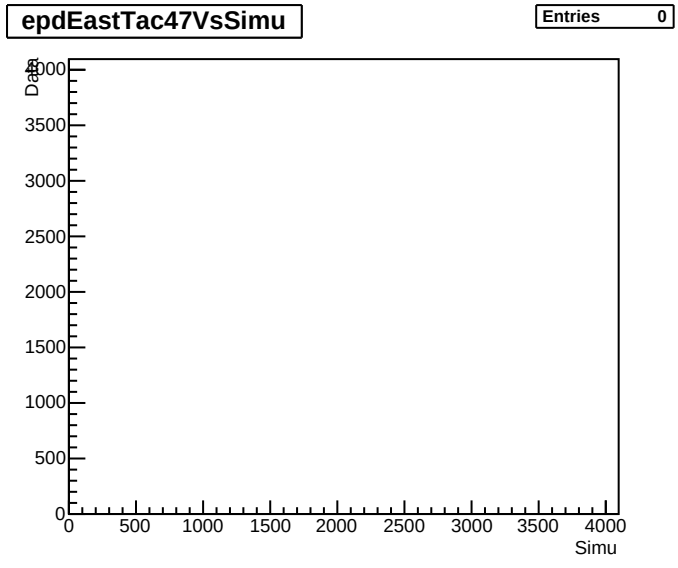

epdWestTHits
Entries 381368
Truncated NHits
DSMInput Channel

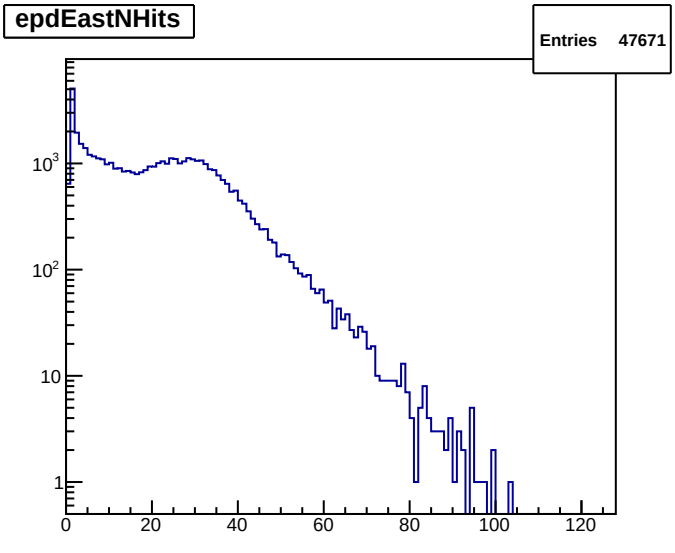

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

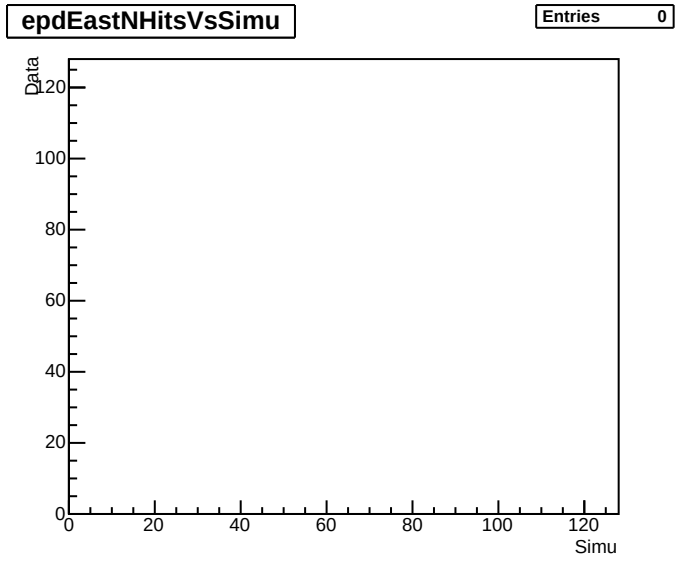

epdEastTac03
Entries 47671

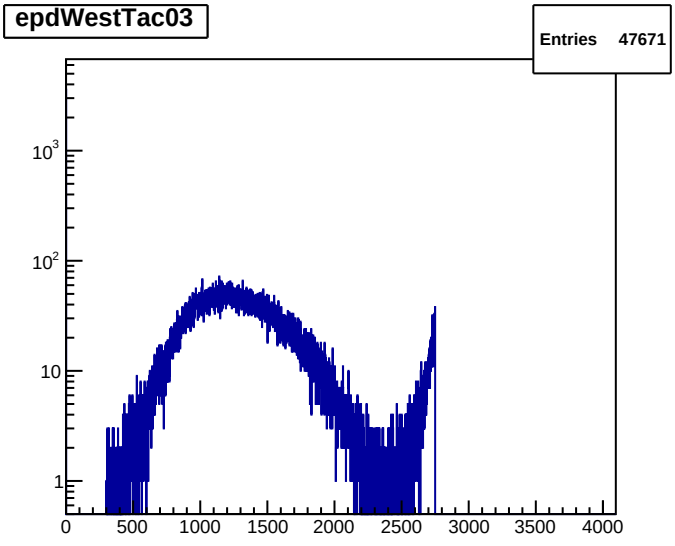

epdEastTac03VsSimu
Entries 0
Data
Simu

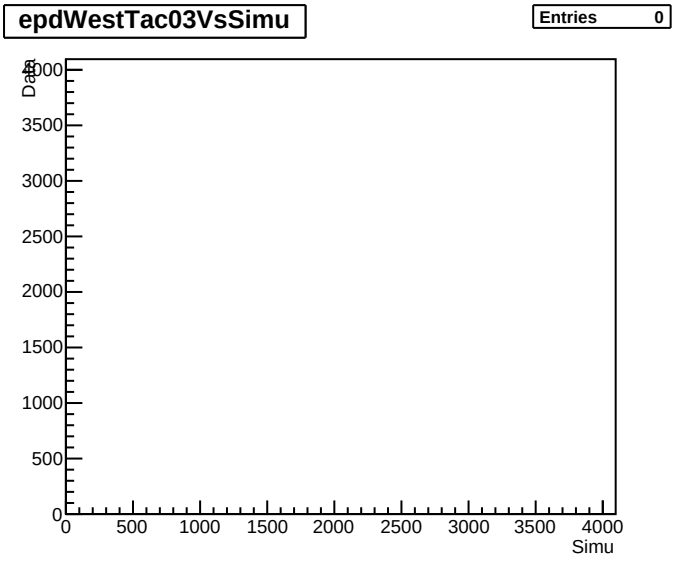

epdEastTac47
Entries 47671

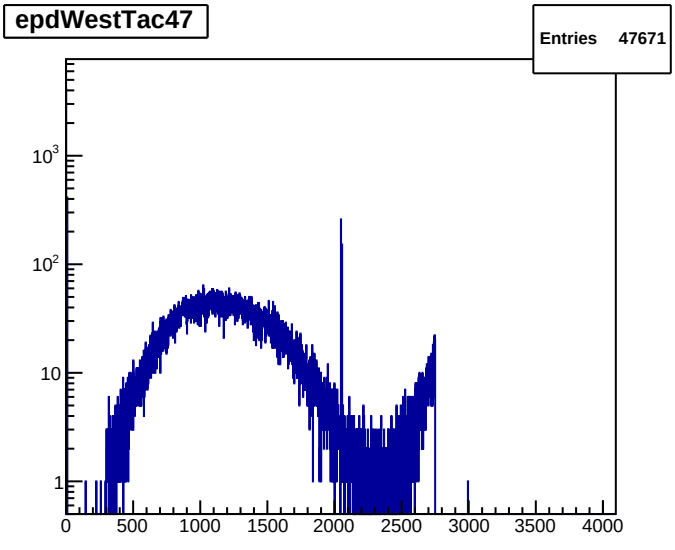

epdEastTac47VsSimu
Entries 0
Data
Simu

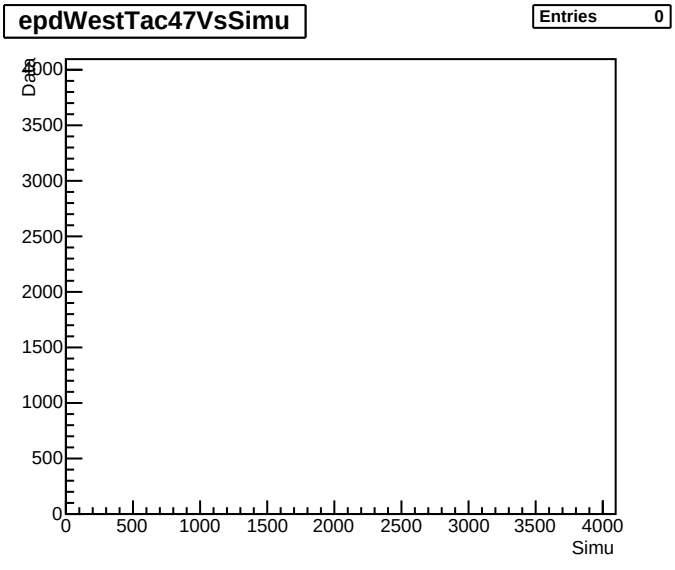

epdEastNHits
Entries 47671

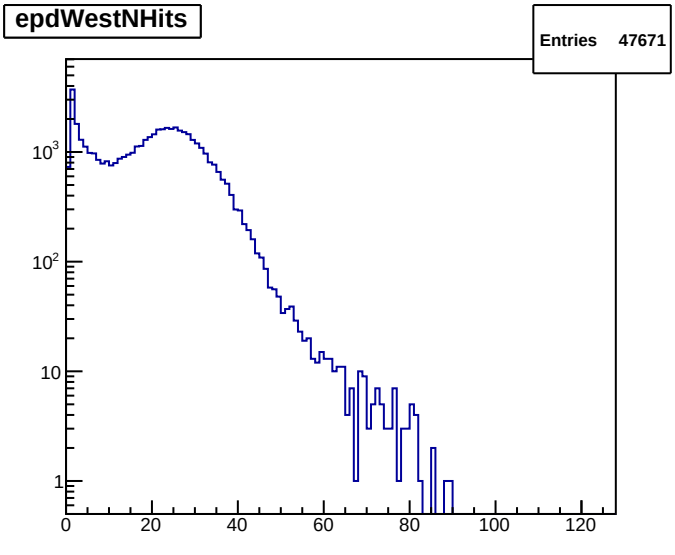

epdEastNHitsVsSimu
Entries 0
Data
Simu

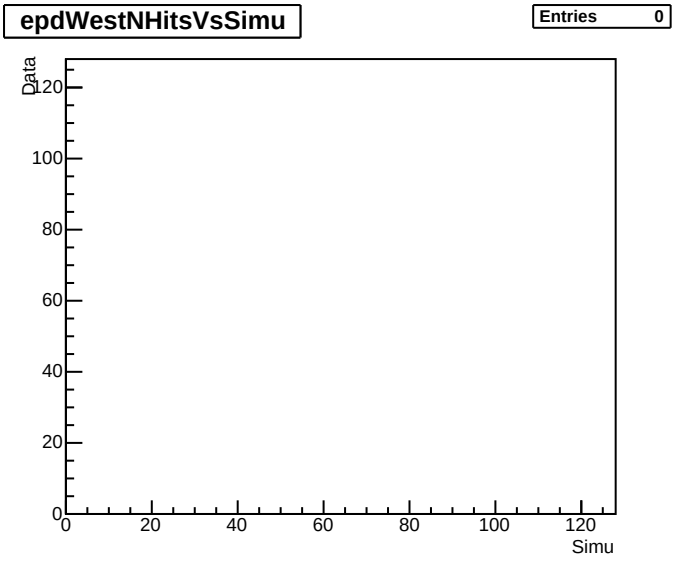

epdWestTac03
Entries 47671

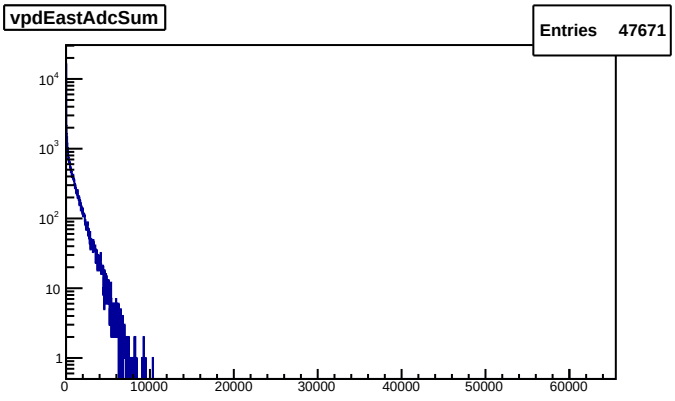

epdWestTac03VsSimu
Entries 0
Data
Simu

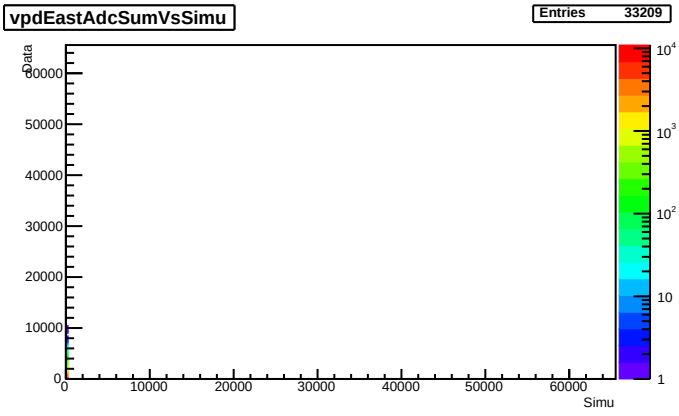

epdWestTac47
Entries 47671

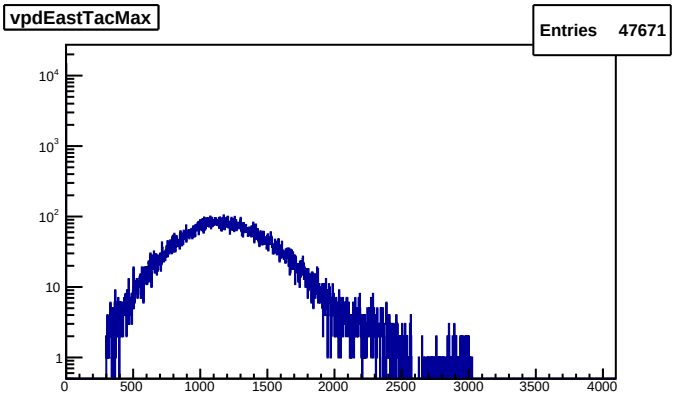

epdWestTac47VsSimu
Entries 0
Data
Simu

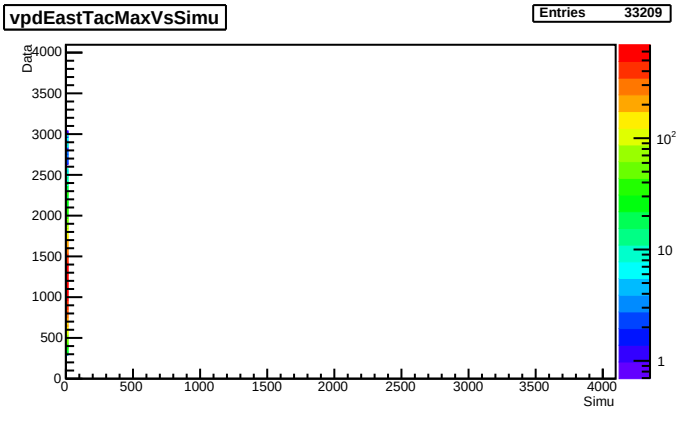

epdWestNHits
Entries 47671

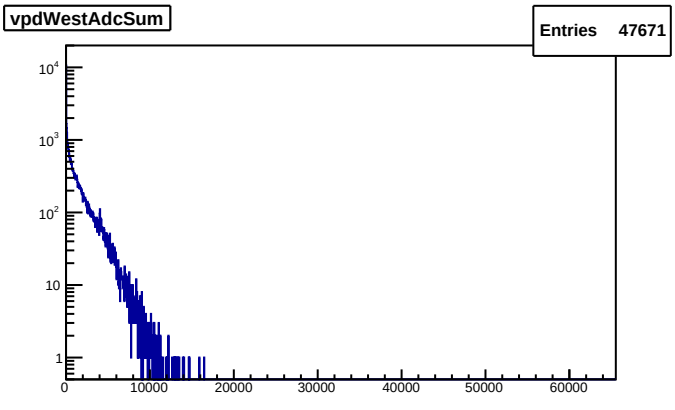

epdWestNHitsVsSimu
Entries 0
Data
Simu

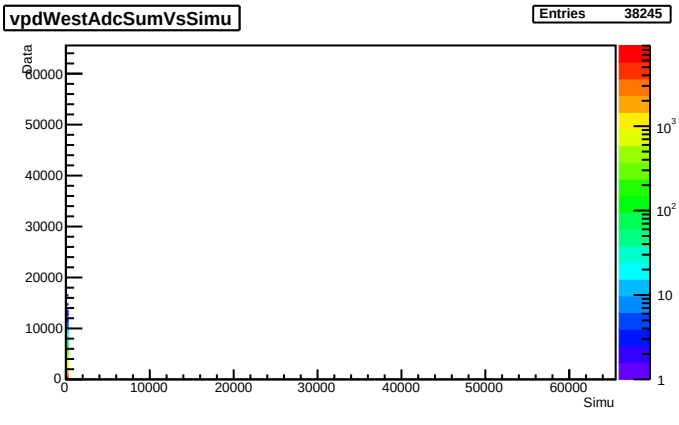

vpdEastAdcSum
Entries 47671

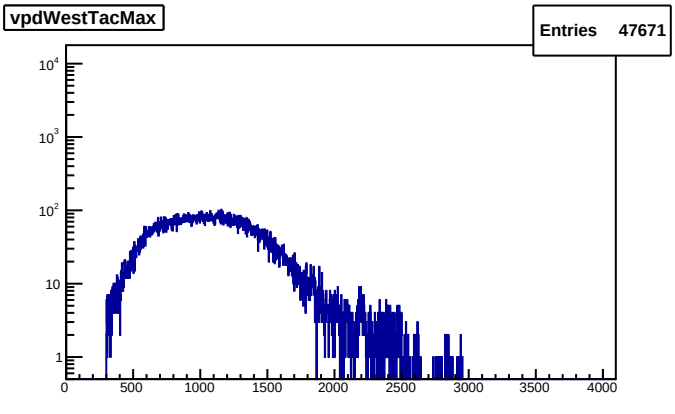

vpdEastAdcSumVsSimu
Entries 33209
Data
Simu

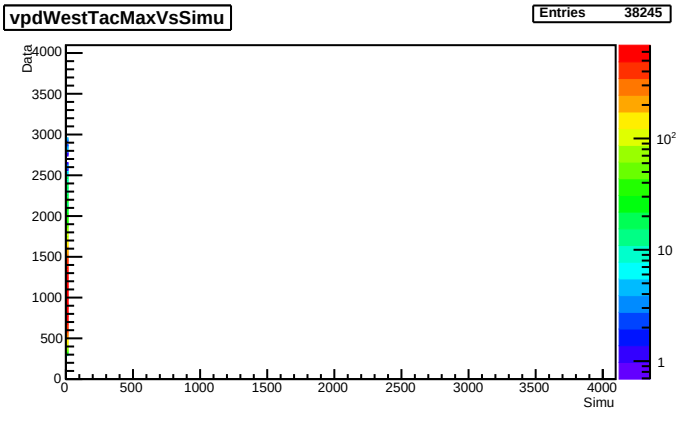

vpdEastTacMax
Entries 47671

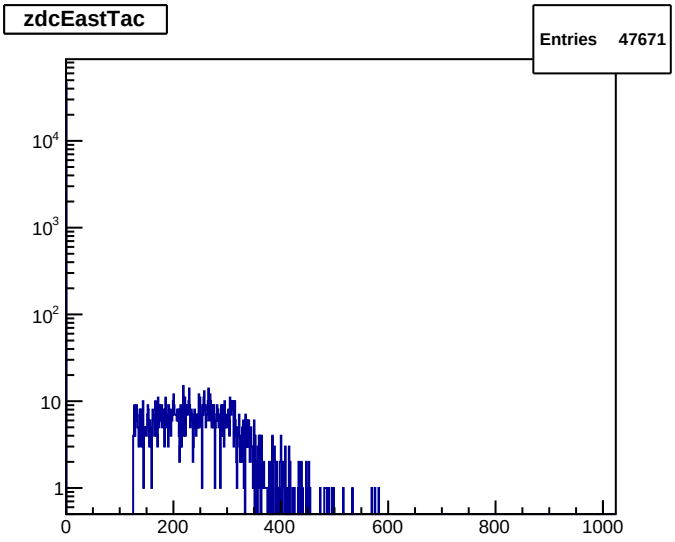

vpdEastTacMaxVsSimu
Entries 33209
Data
Simu

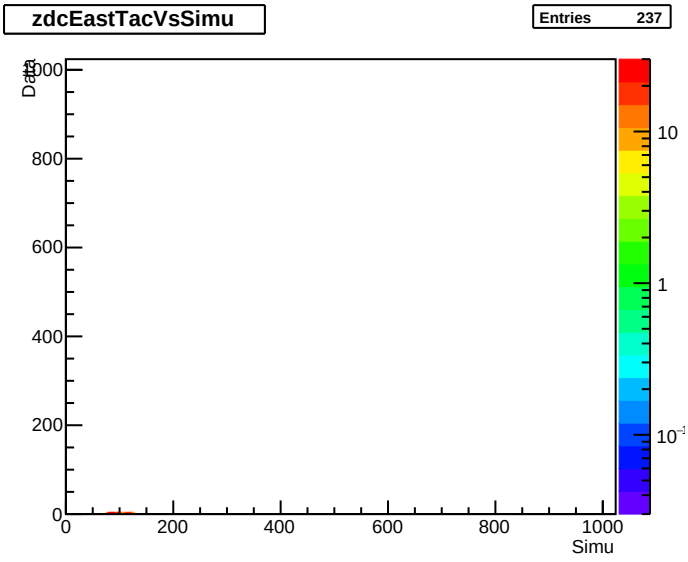

vpdWestAdcSum
Entries 47671

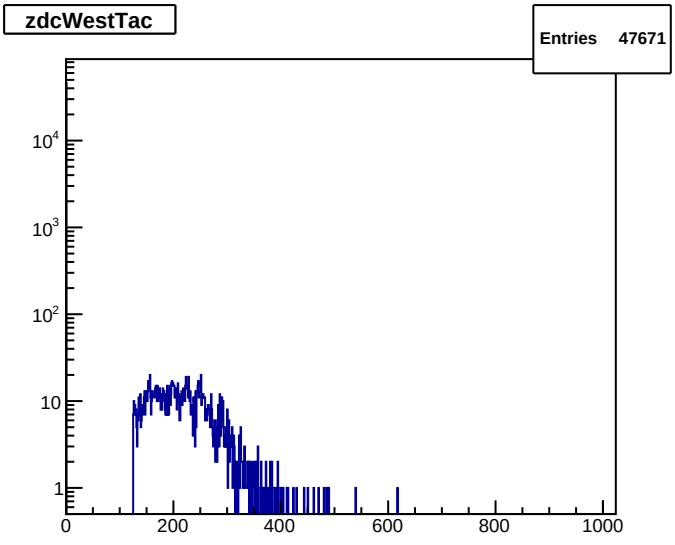

vpdWestAdcSumVsSimu
Entries 38245
Data
Simu

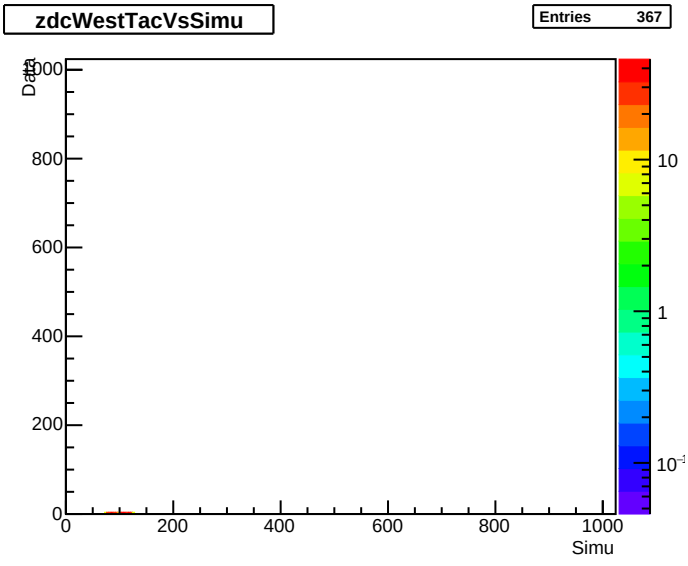

vpdWestTacMax
Entries 47671

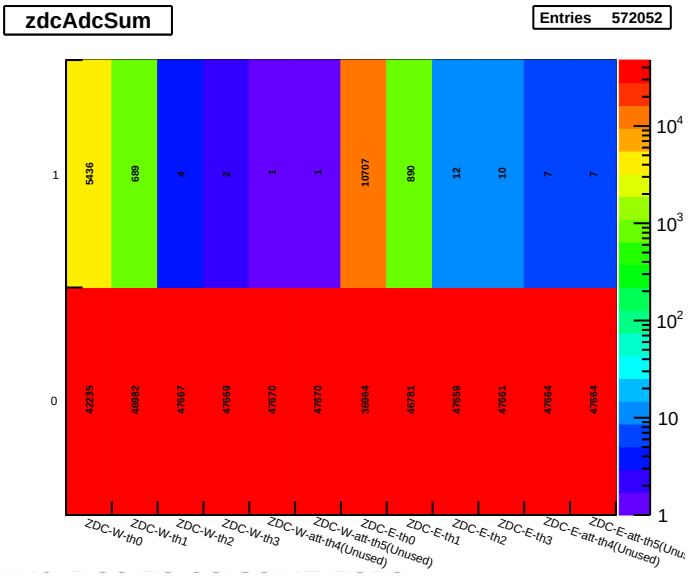

vpdWestTacMaxVsSimu
Entries 38245
Data
Simu

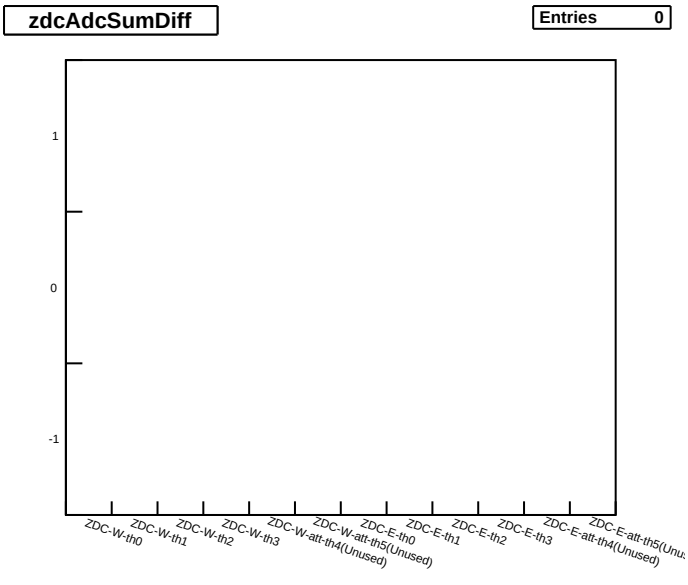

zdcEastTac
Entries 47671
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

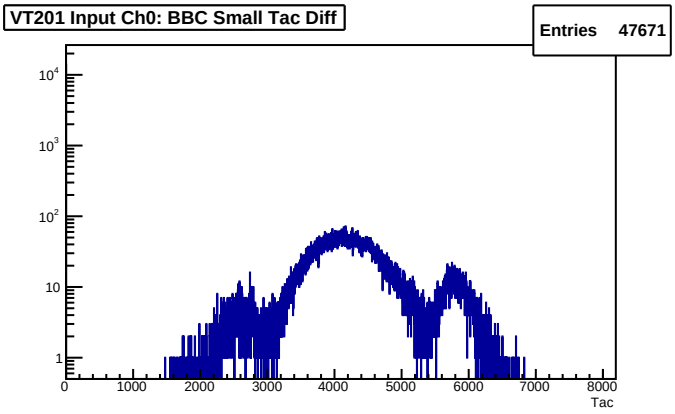

zdcEastTacVsSimu
Entries 237
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

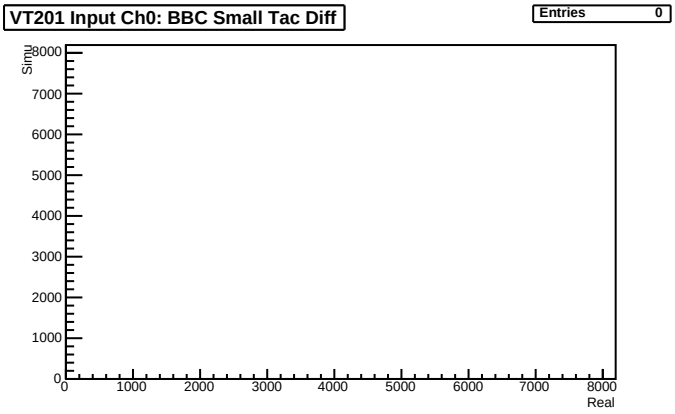

zdcWestTac
Entries 47671
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

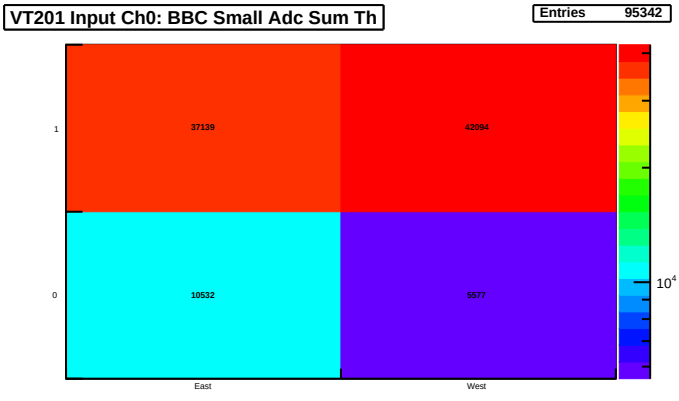

zdcWestTacVsSimu
Entries 367
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

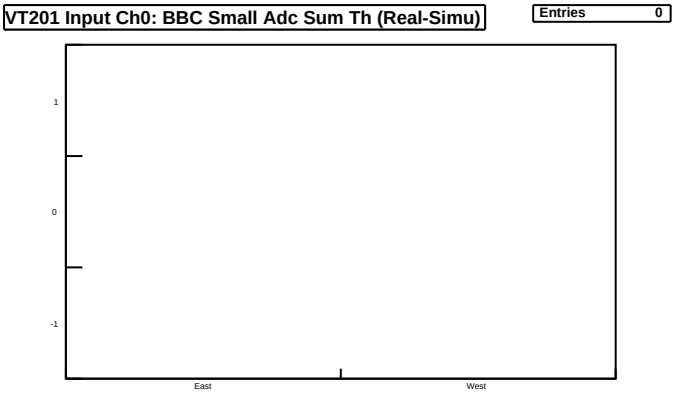

zdcAdcSum
Entries 572052
1
0
5436
689
4
2
1
1
10707
890
12
10
7
7
42235
46982
47667
47669
47670
47670
36964
46781
47659
47661
47664
47664
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

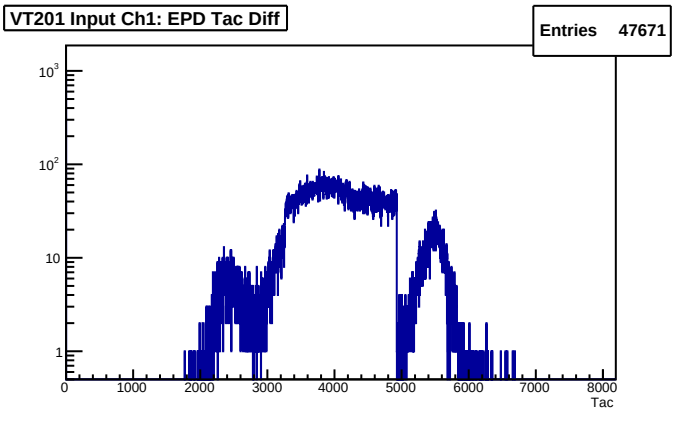

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

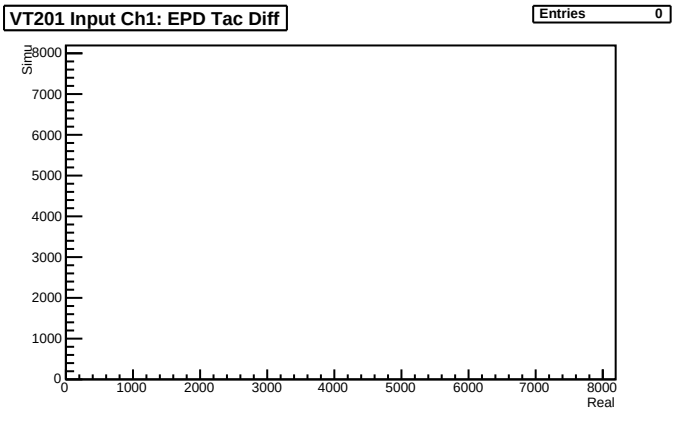

VT201 Input Ch0: BBC Small Tac Diff
Entries 47671
Tac

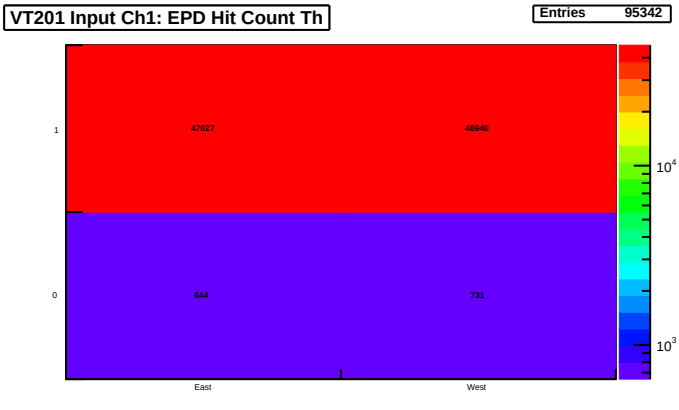

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

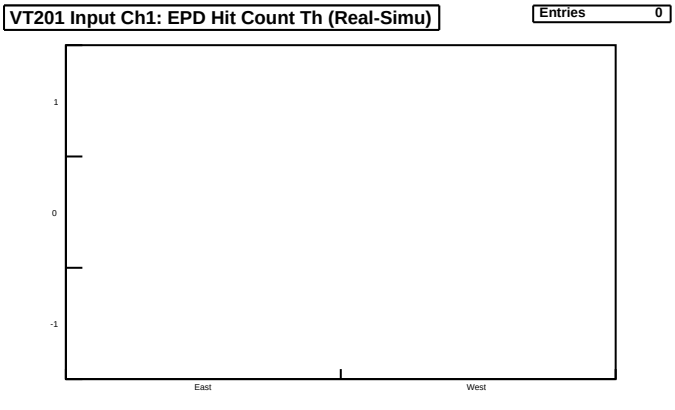

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 95342
37139
42094
10532
5577
East
West

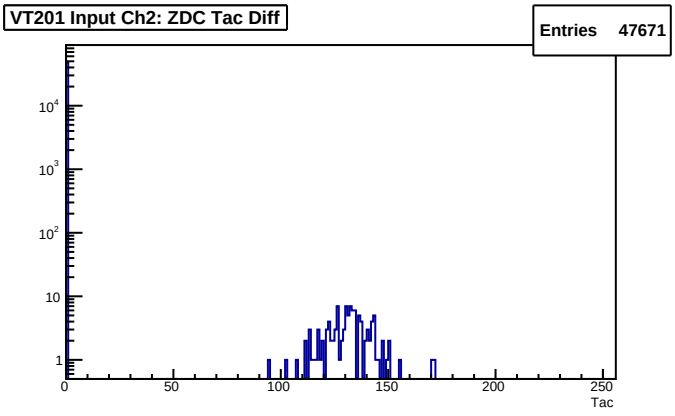

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

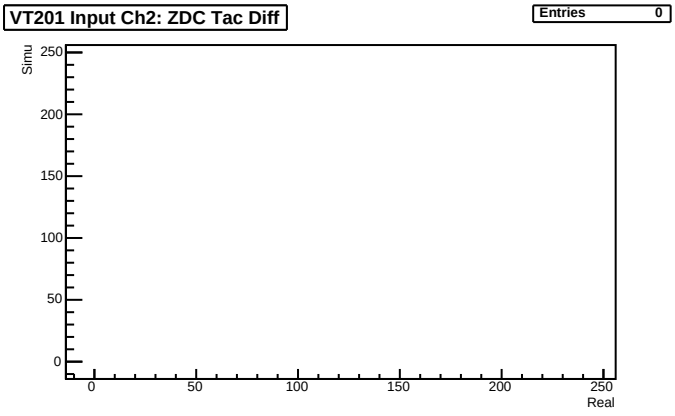

VT201 Input Ch1: EPD Tac Diff
Entries 47671
Tac

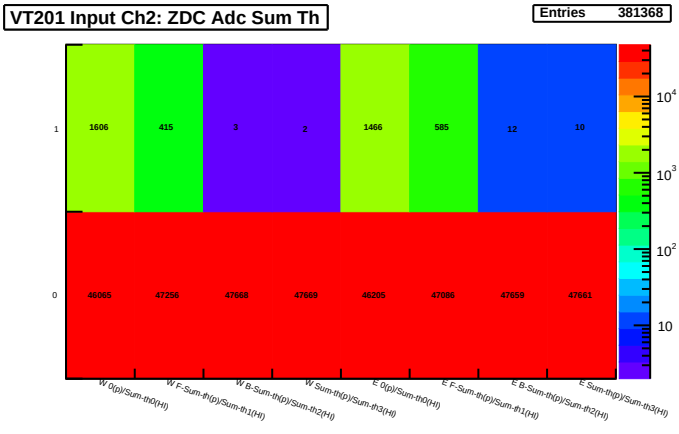

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

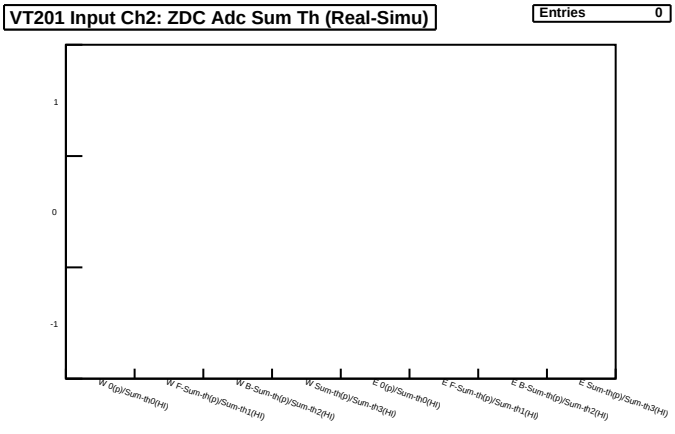

VT201 Input Ch1: EPD Hit Count Th
Entries 95342
47027
46940
644
731
East
West

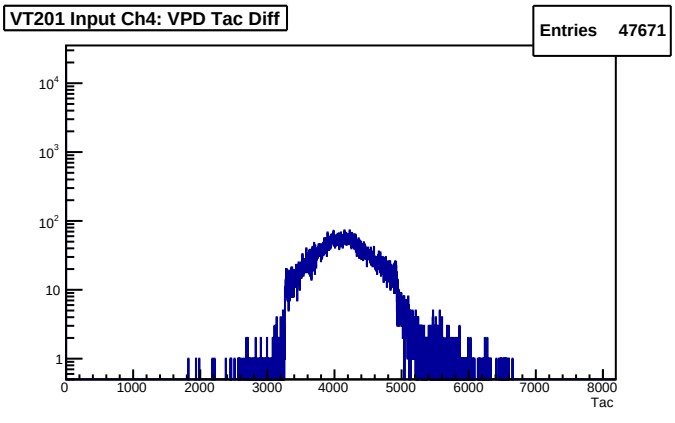

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

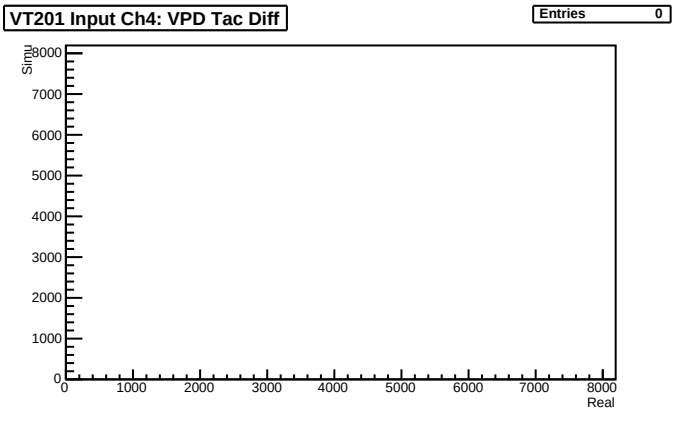

VT201 Input Ch2: ZDC Tac Diff
Entries 47671
Tac

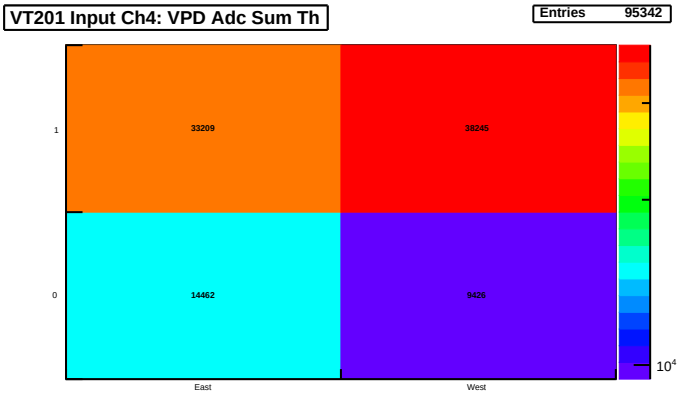

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

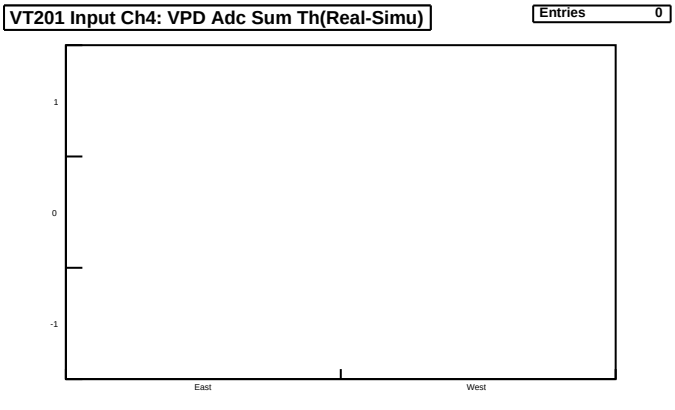

VT201 Input Ch2: ZDC Adc Sum Th
Entries 381368
1606
415
3
2
1466
585
12
10
46065
47256
47668
47669
46205
47086
47659
47661
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

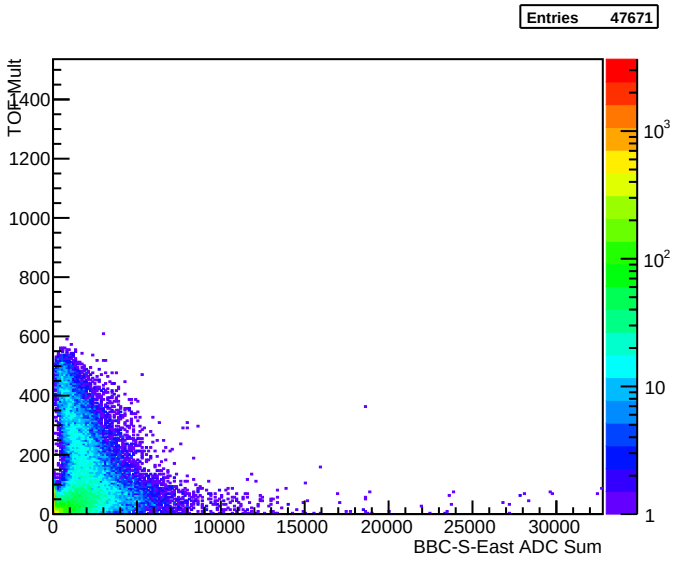

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

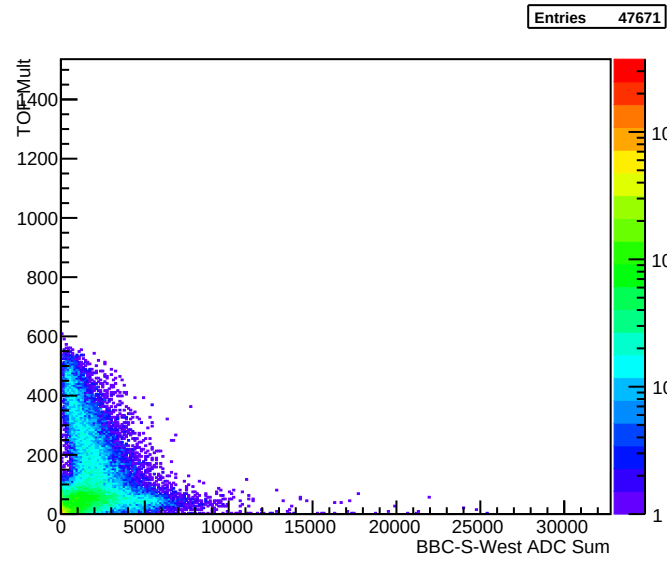

VT201 Input Ch4: VPD Tac Diff
Entries 47671
Tac

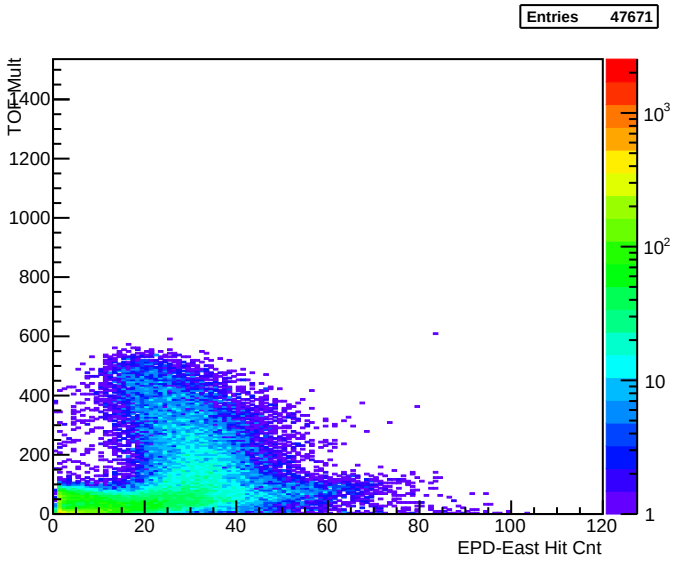

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

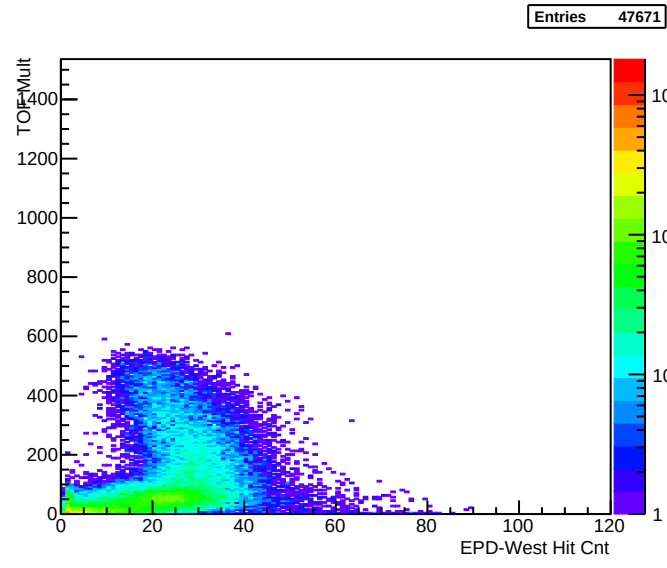

VT201 Input Ch4: VPD Adc Sum Th
Entries 95342
33209
38245
14462
9426
East
West

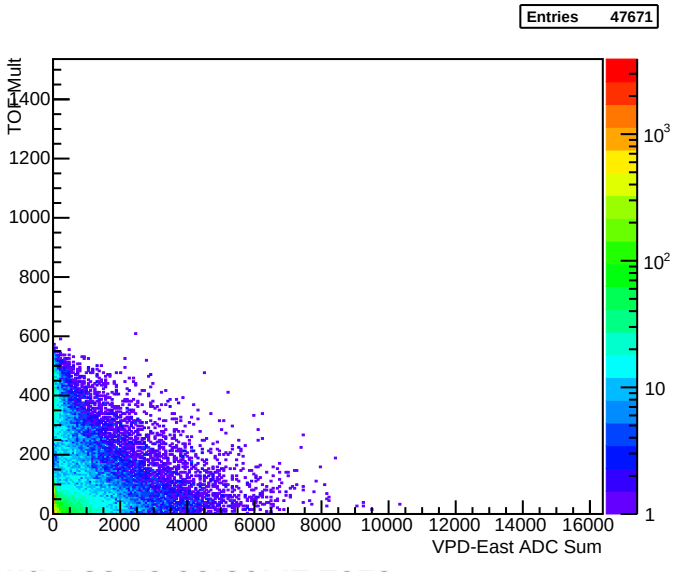

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

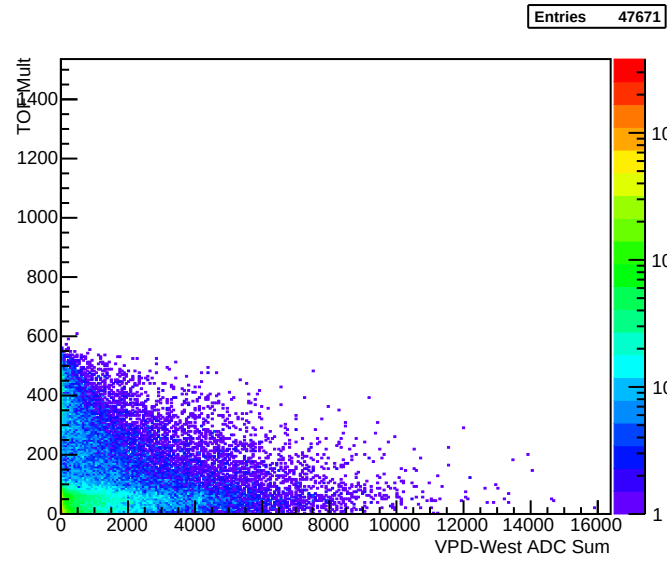

Entries 47671
TOF-Mult
BBC-S-East ADC Sum

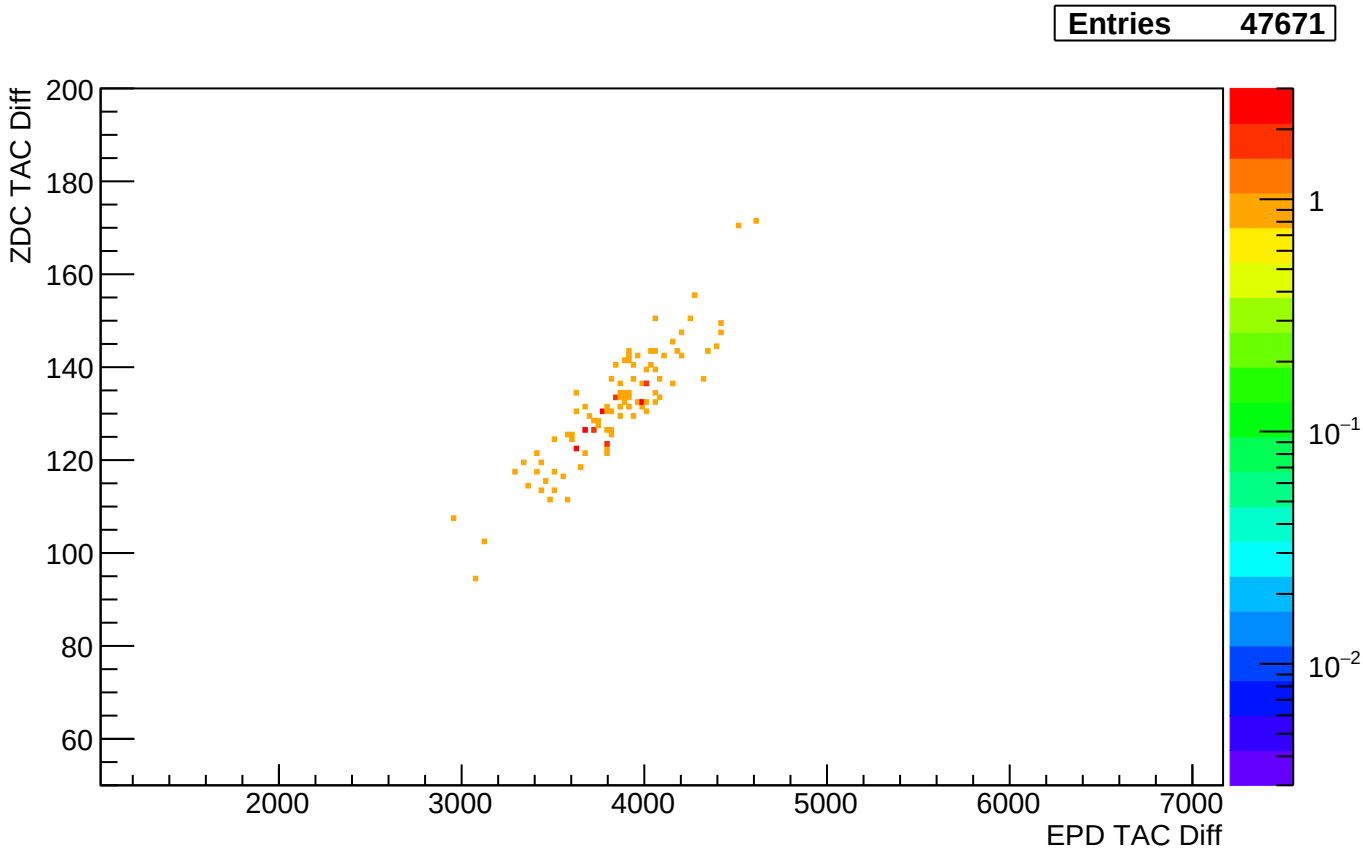

Entries 47671
TOF-Mult
BBC-S-West ADC Sum

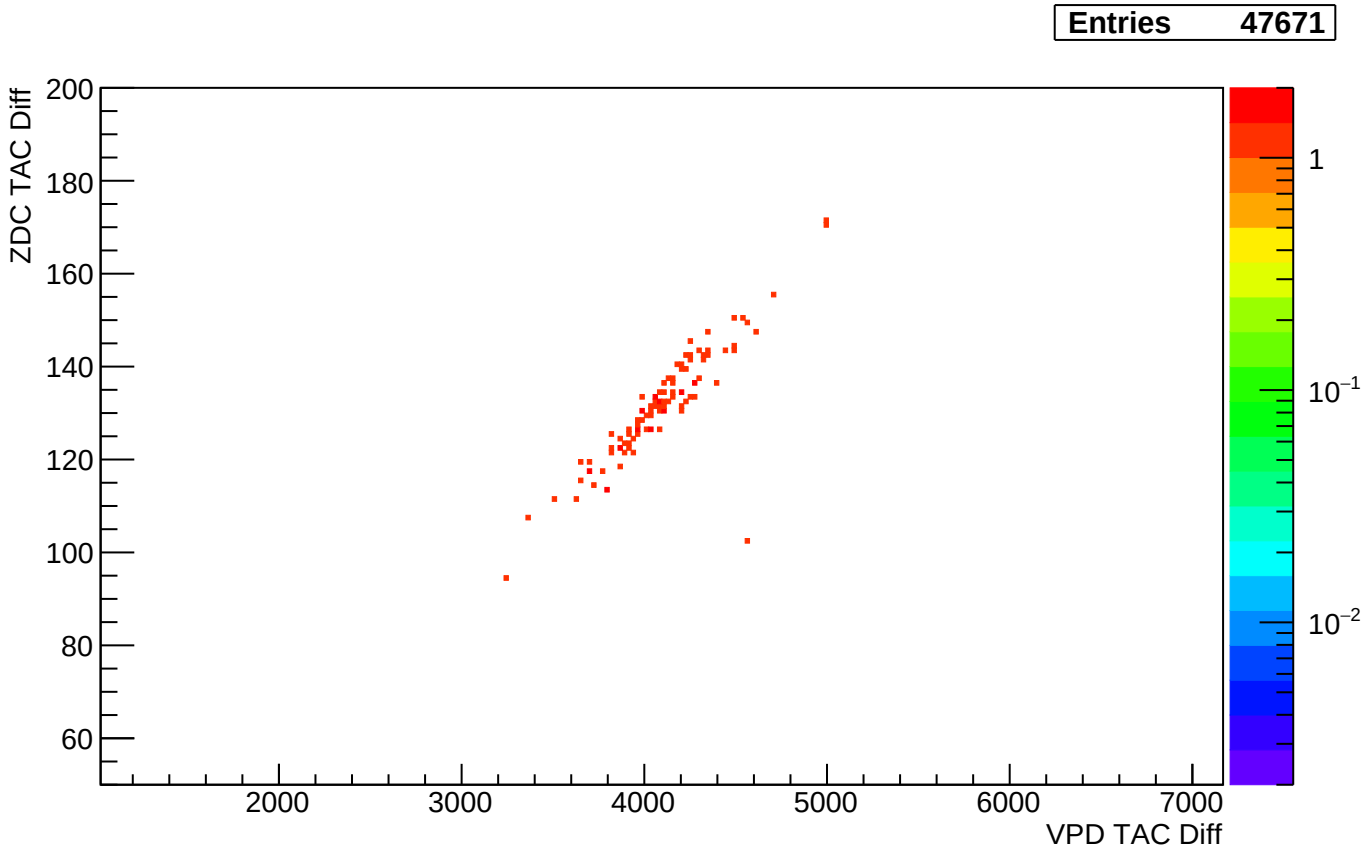

Entries 47671
TOF-Mult
EPD-East Hit Cnt

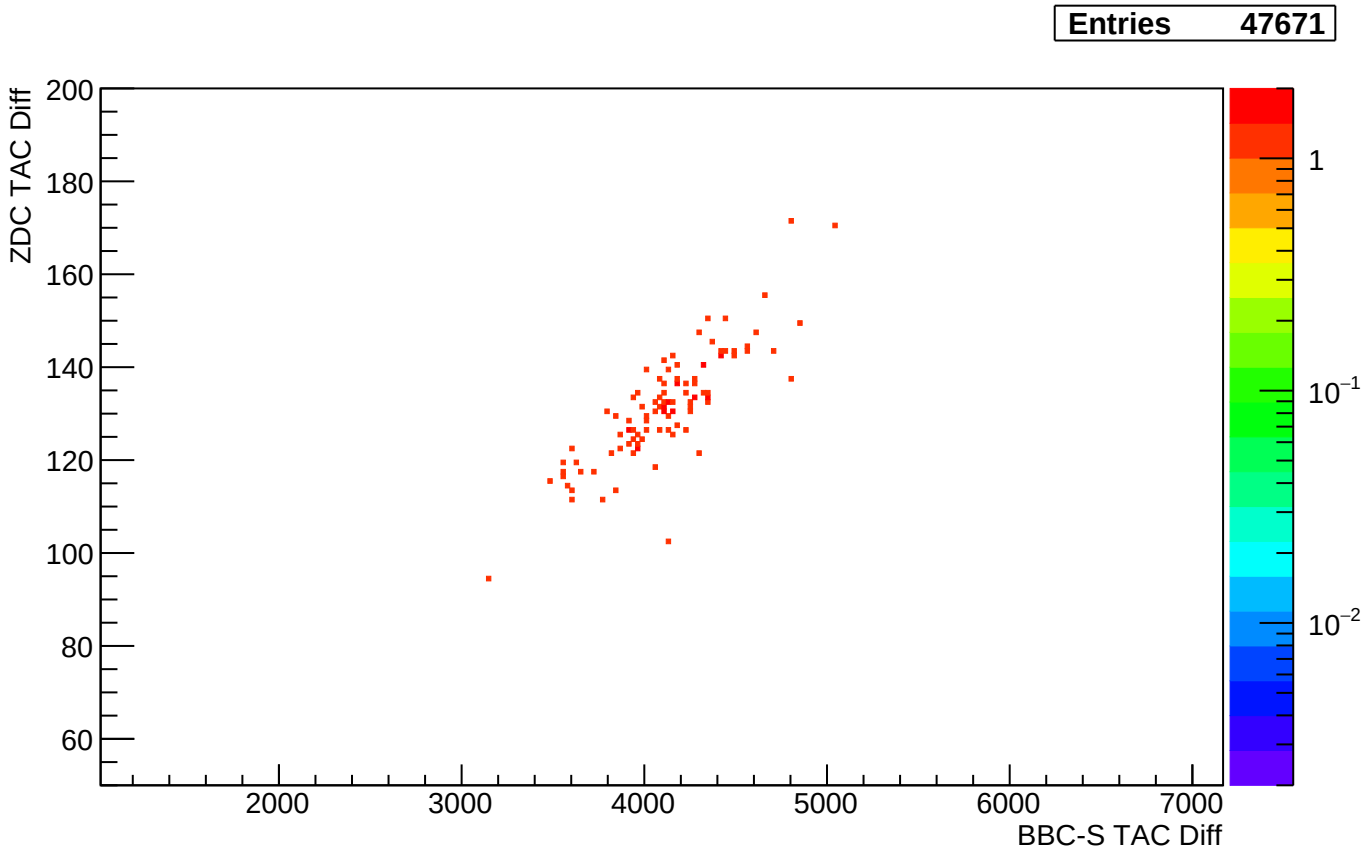

Entries 47671
TOF-Mult
EPD-West Hit Cnt

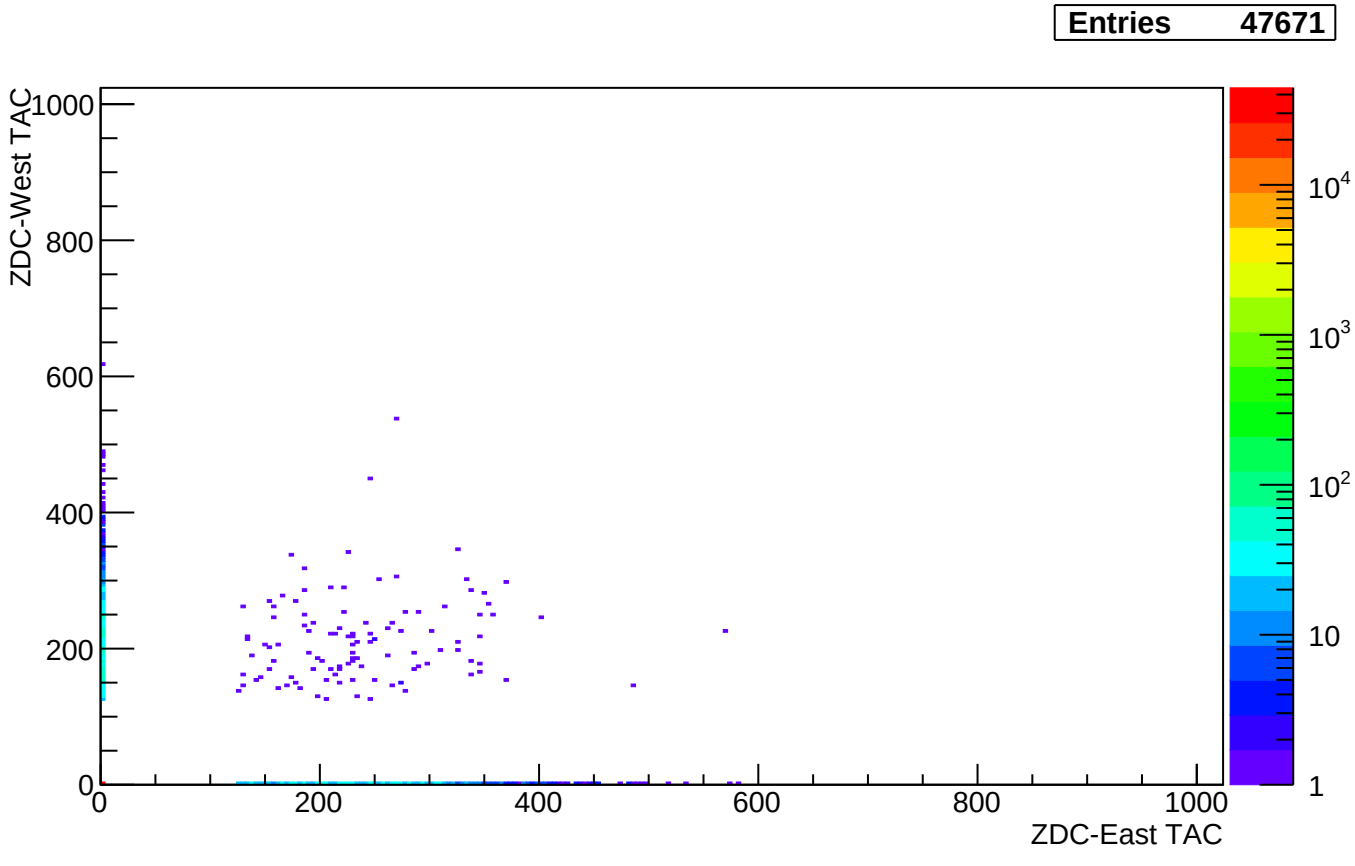

Entries 47671
TOF-Mult
VPD-East ADC Sum

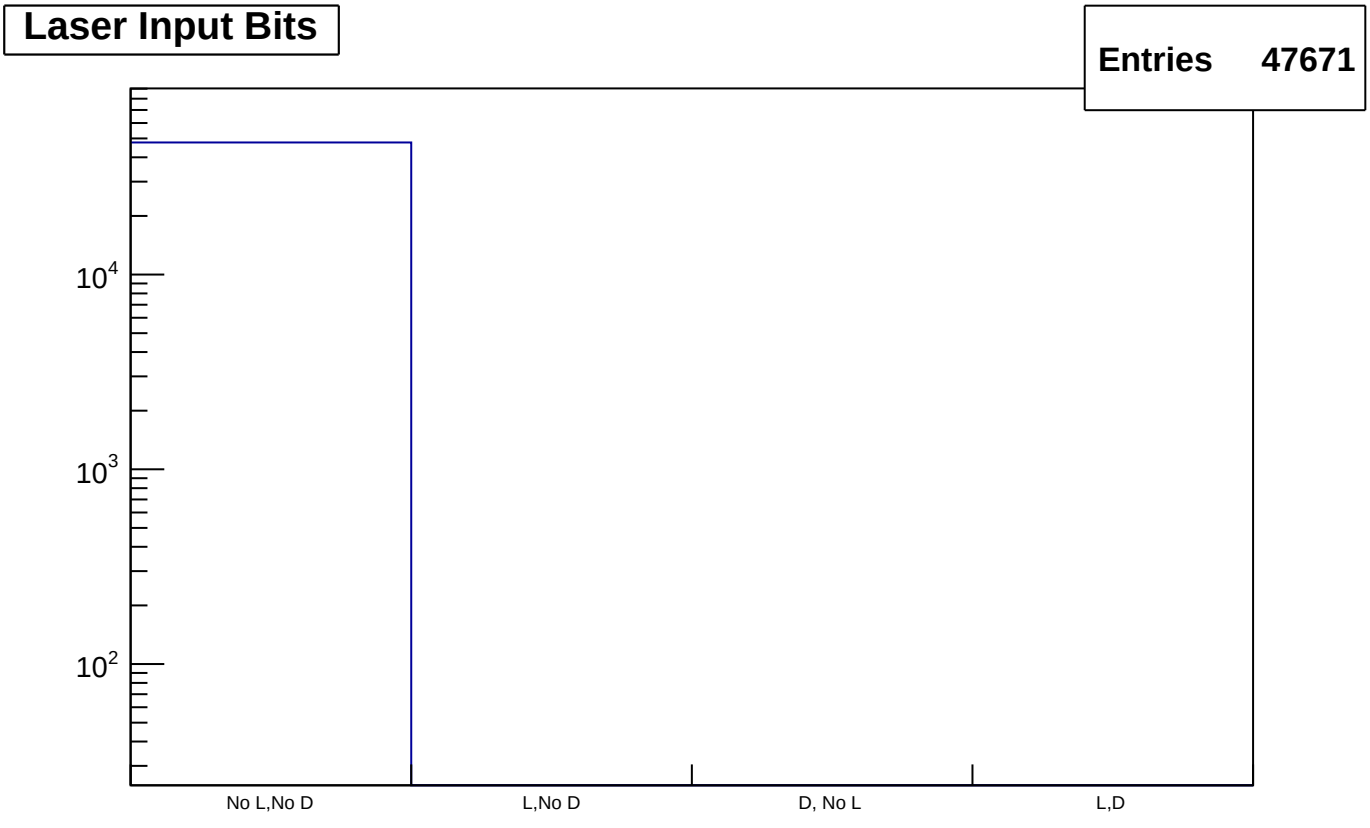

Entries 47671
TOF-Mult
VPD-West ADC Sum

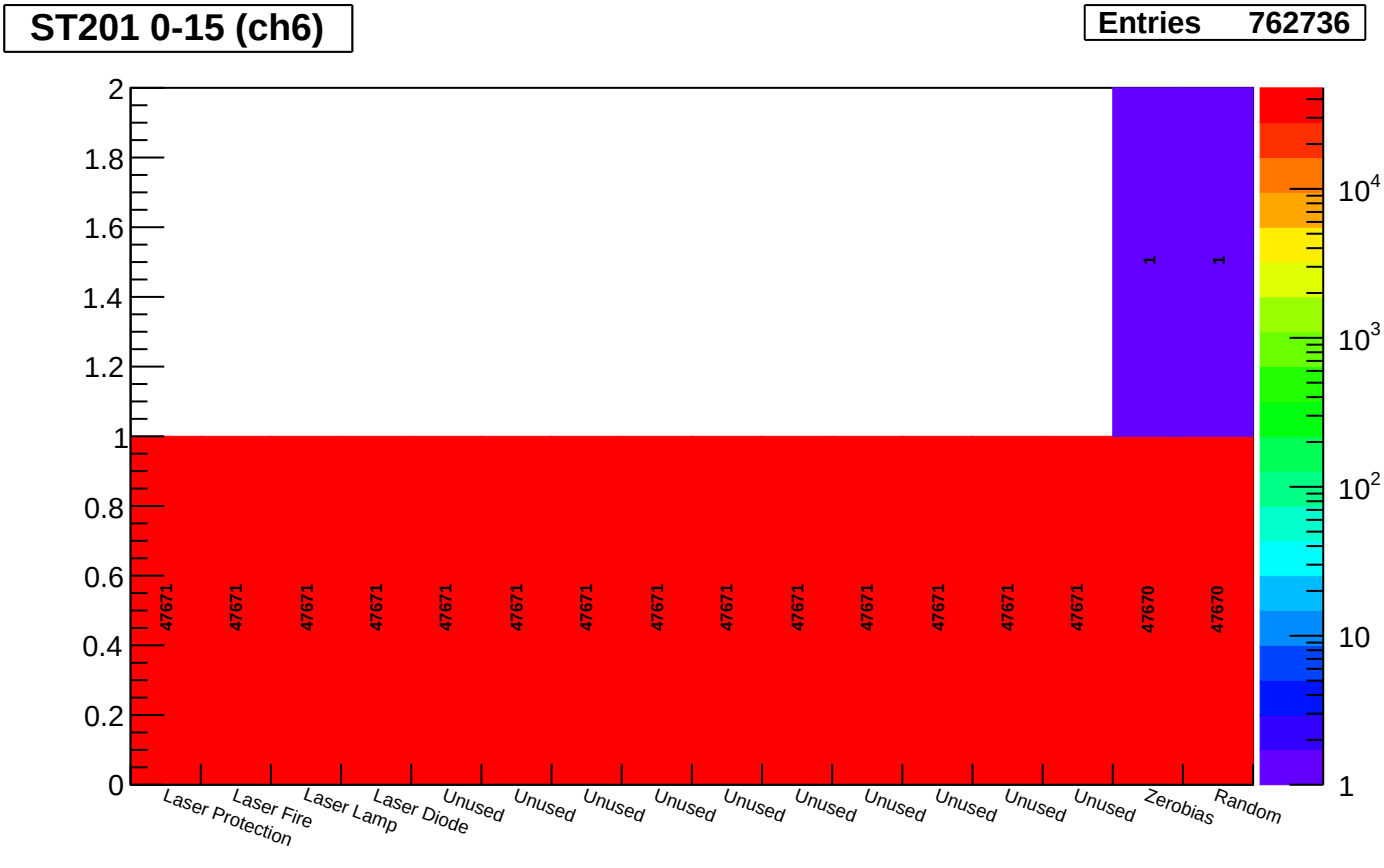

Entries 47671
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

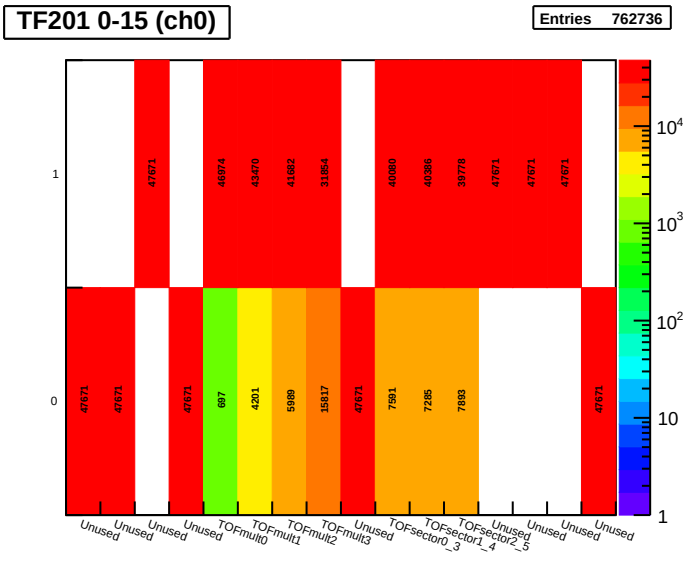

Entries 47671
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

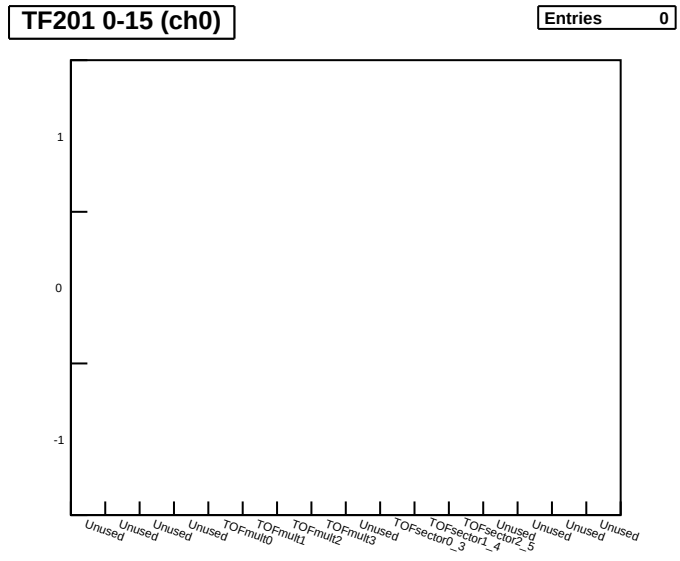

Entries 47671
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

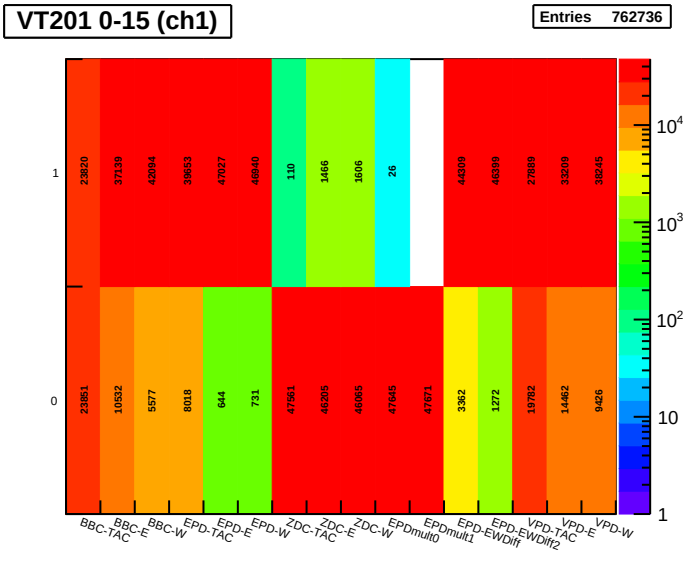

Entries 47671
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

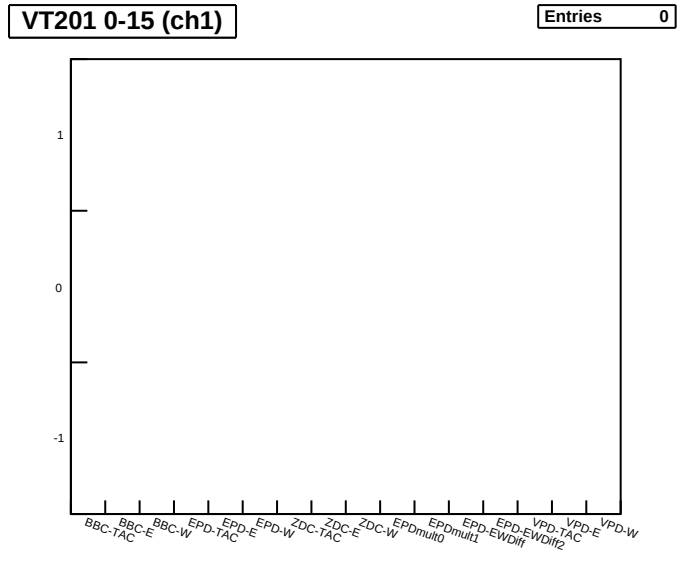

Laser Input Bits
Entries 47671
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

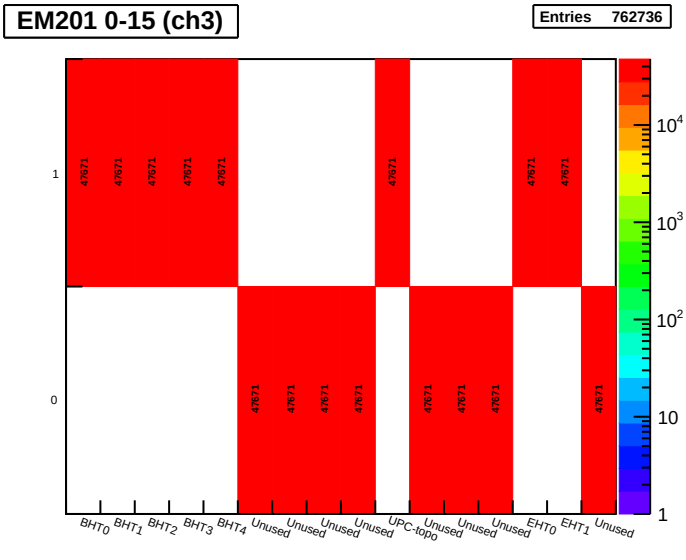

ST201 0-15 (ch6)
Entries 762736
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
47671
47670
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

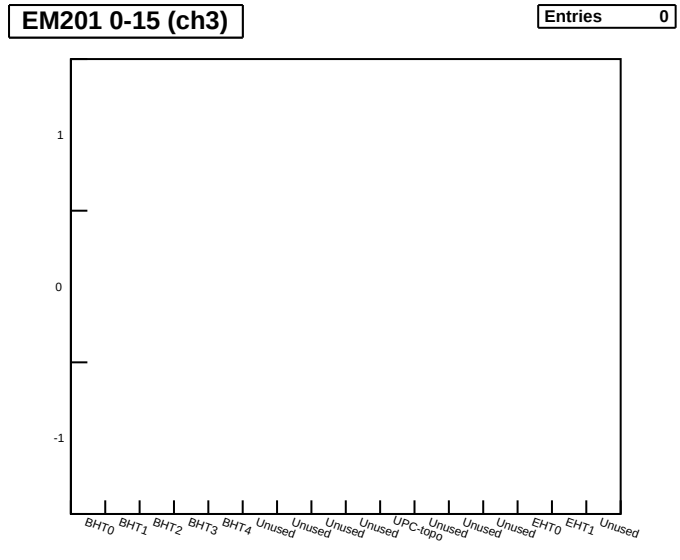

TF201 0-15 (ch0)
Entries 762736
1
0
47671
46974
43470
41682
31854
40060
40386
39778
47671
47671
47671
47671
47671
47671
697
4201
5989
15817
7591
7285
7893
47671
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 762736
1
0
23820
37139
42094
39653
47027
46940
110
1466
1606
26
44309
45399
27689
33209
38245
23851
10532
5577
8018
644
731
47661
46205
46065
47645
47671
3362
1272
19762
14462
9426
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 762736
1
0
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
47671
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^4
10^3
10^2
10
1


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