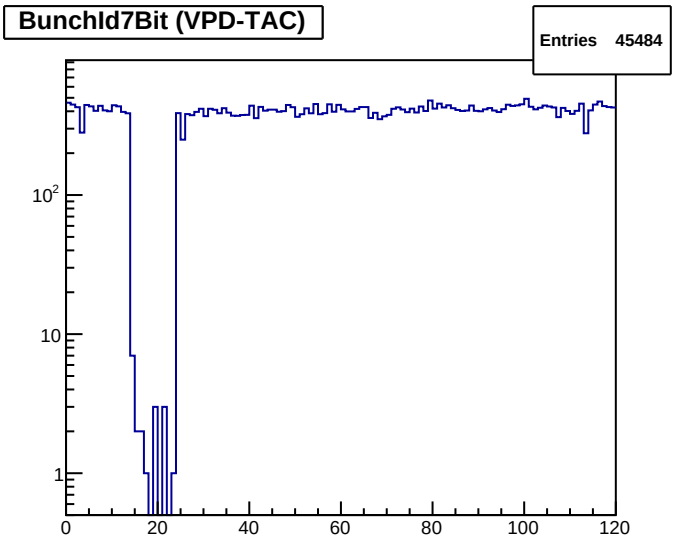
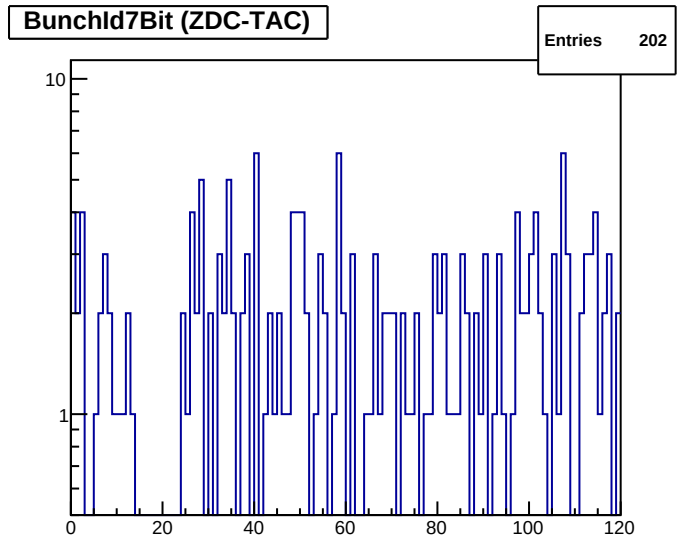
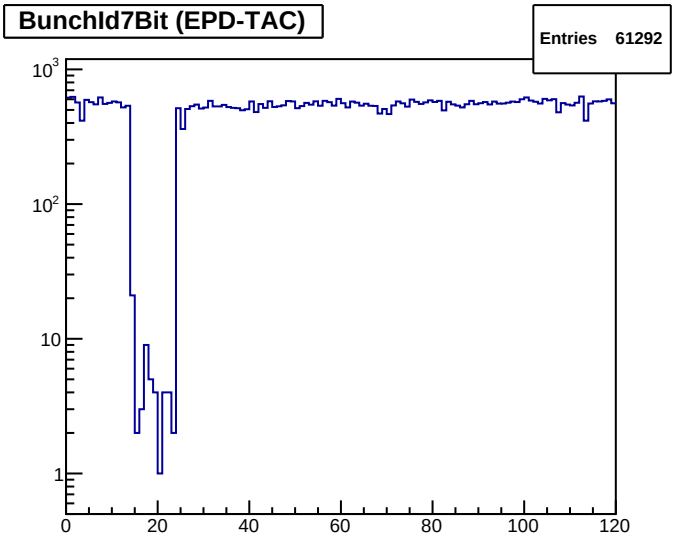
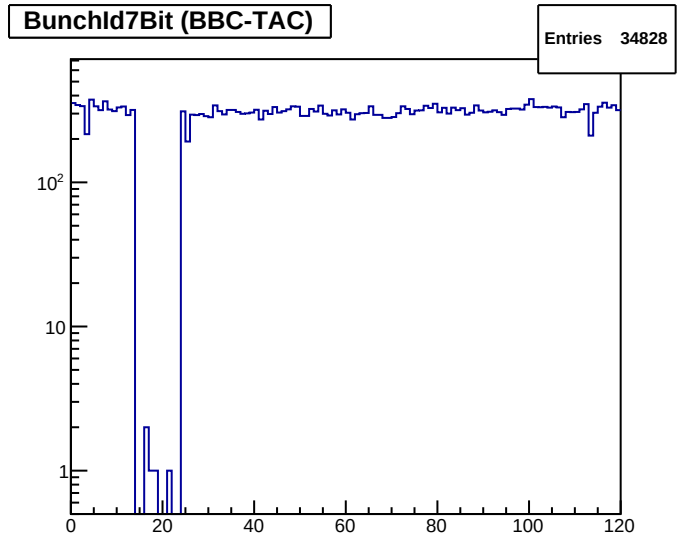
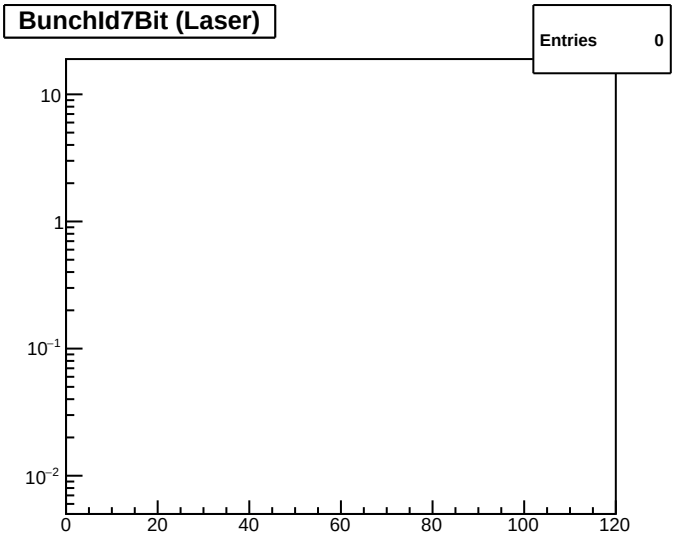
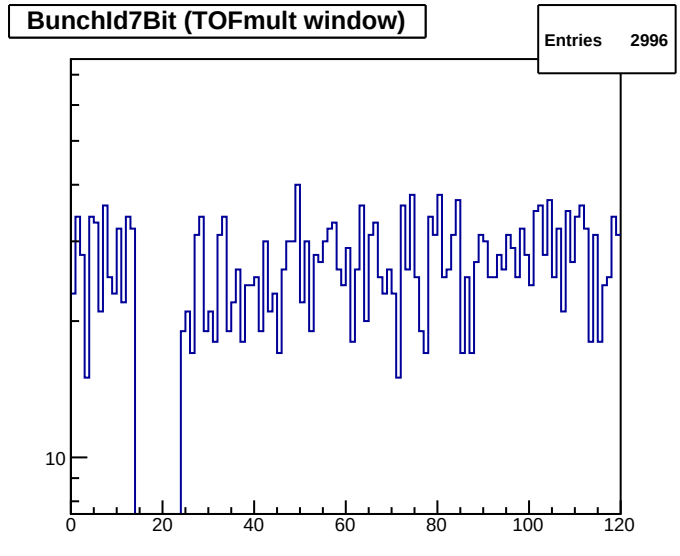

BunchId7Bit (VPD-TAC)
Entries 45484
10^2
10
1
0
20
40
60
80
100
120

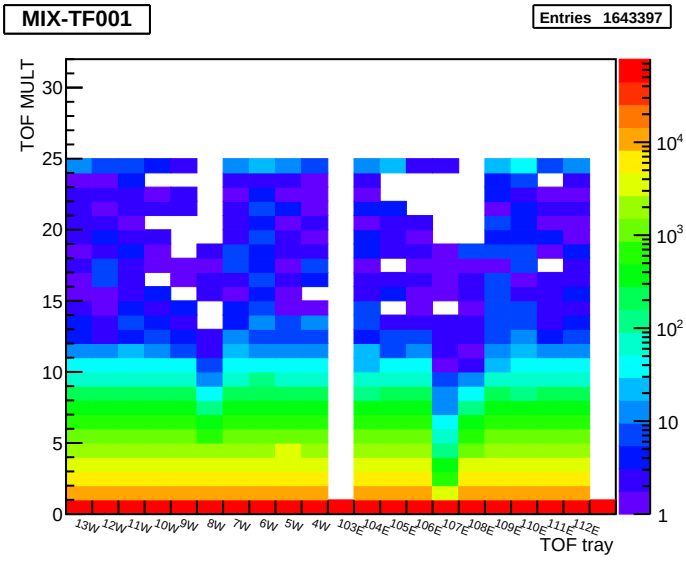

BunchId7Bit (ZDC-TAC)
Entries 202
10
1
0
20
40
60
80
100
120

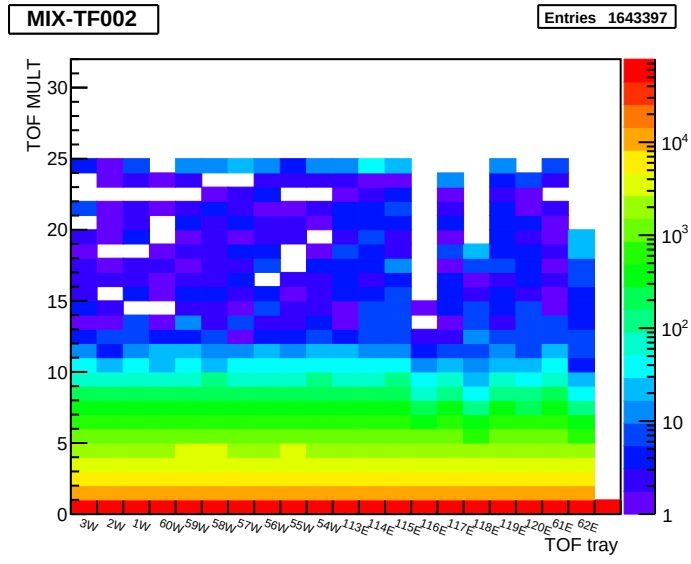

BunchId7Bit (EPD-TAC)
Entries 61292
10^3
10^2
10
1
0
20
40
60
80
100
120

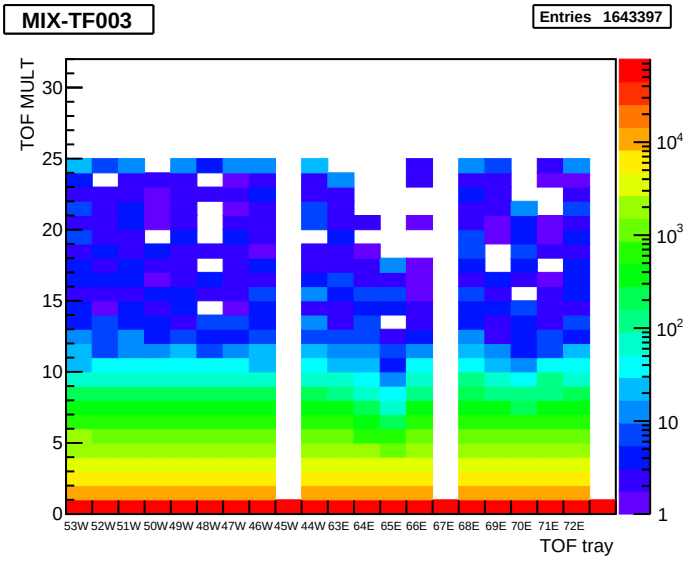

BunchId7Bit (BBC-TAC)
Entries 34828
10^2
10
1
0
20
40
60
80
100
120

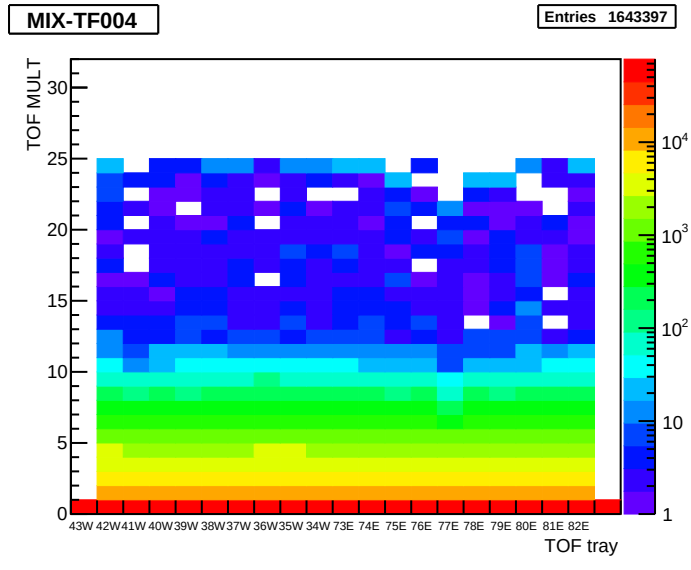

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

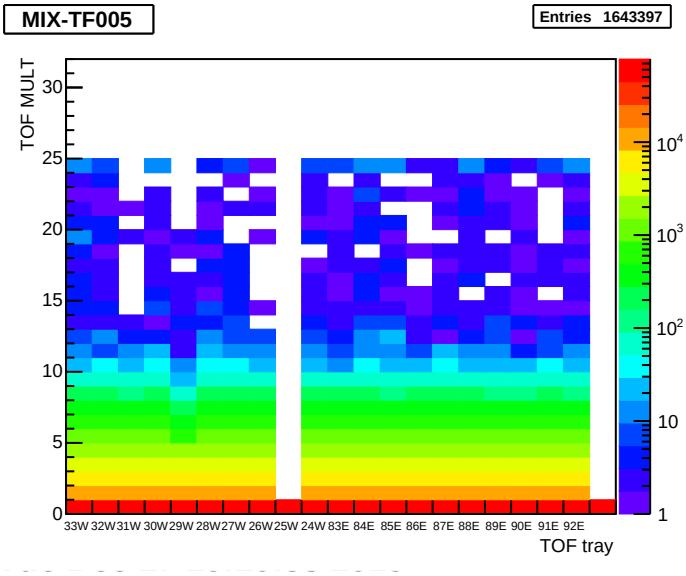

BunchId7Bit (TOFmult window)
Entries 2996
10
0
20
40
60
80
100
120

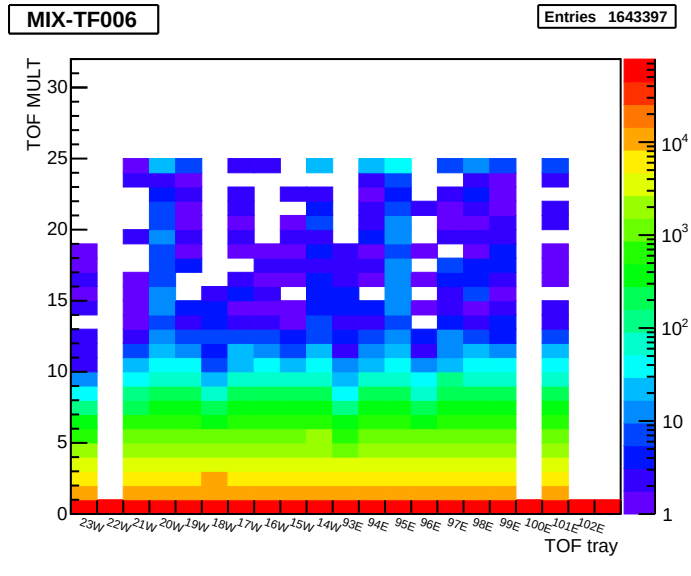

MIX-TF001
Entries 1643397
TOF MULT
TOF tray

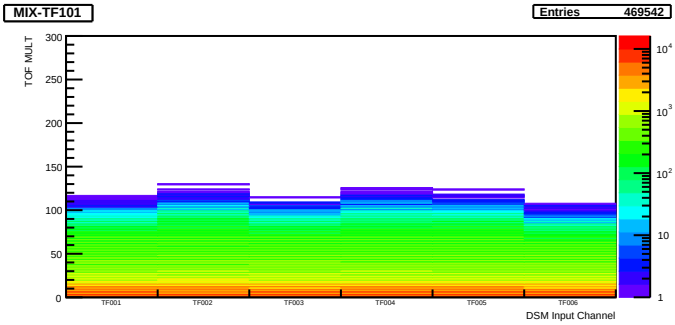

MIX-TF002
Entries 1643397
TOF MULT
TOF tray

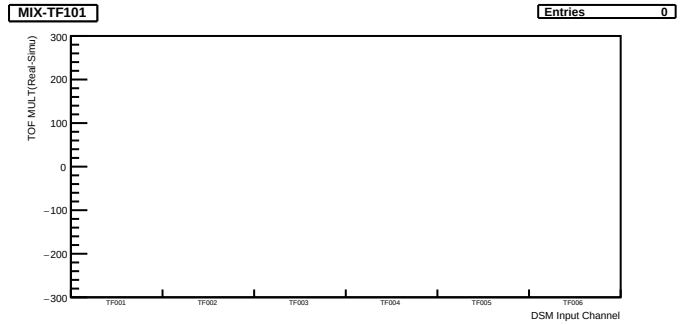

MIX-TF003
Entries 1643397
TOF MULT
TOF tray

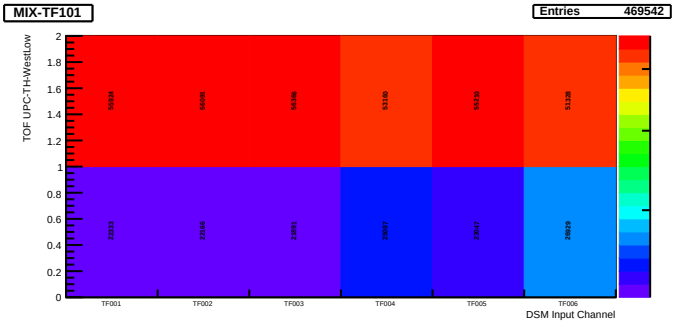

MIX-TF004
Entries 1643397
TOF MULT
TOF tray

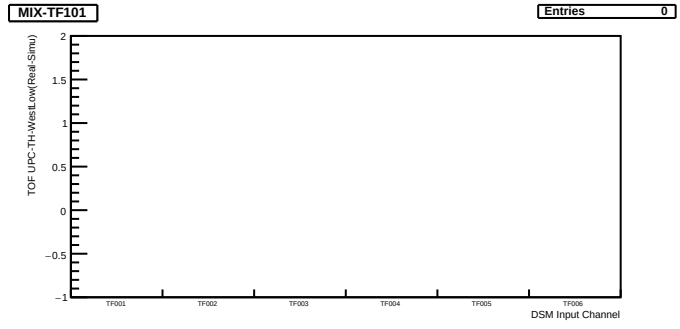

MIX-TF005
Entries 1643397
TOF MULT
TOF tray

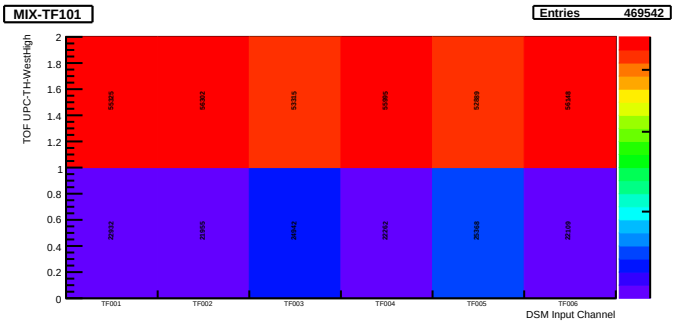

MIX-TF006
Entries 1643397
TOF MULT
TOF tray

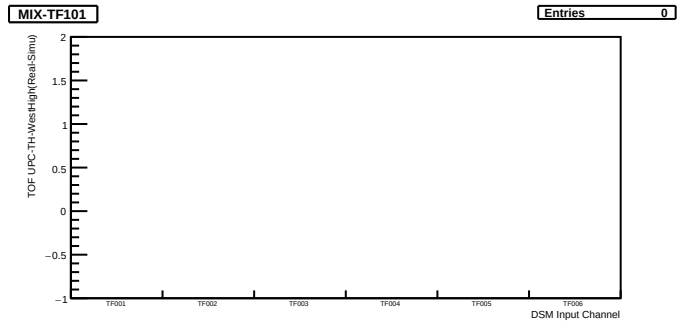

MIX-TF101
Entries 469542
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

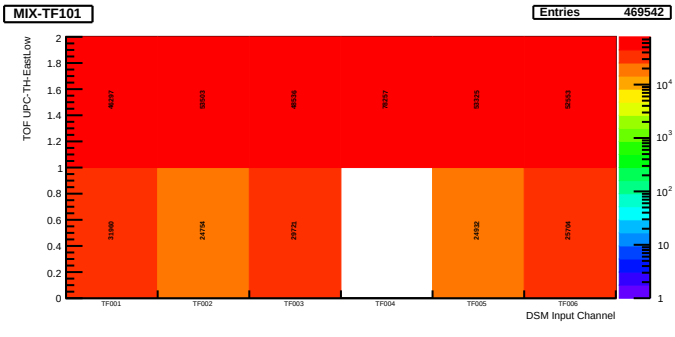

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

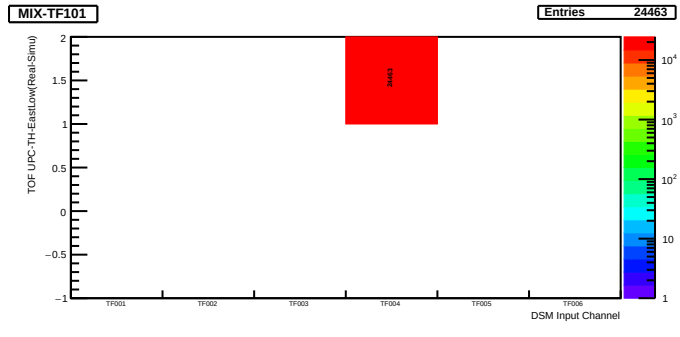

MIX-TF101
Entries 469542
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

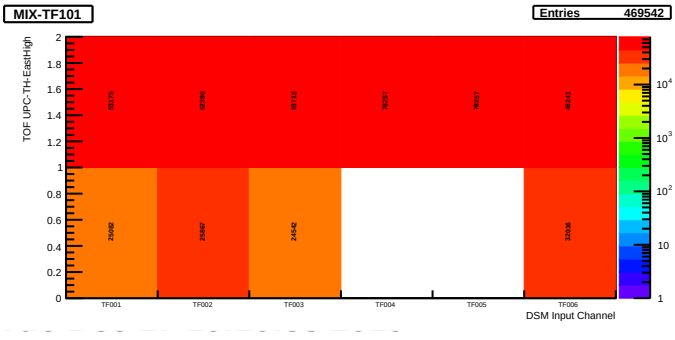

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

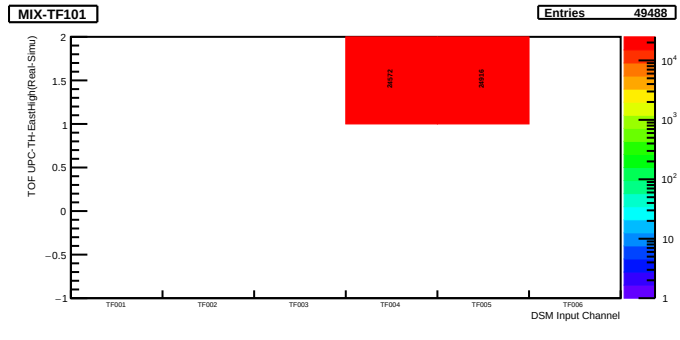

MIX-TF101
Entries 469542
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

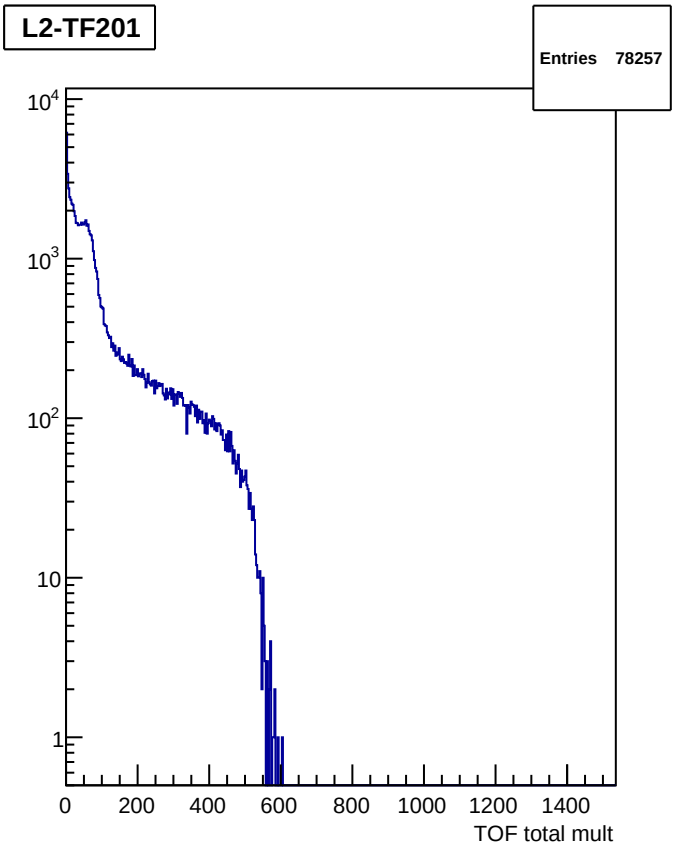

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

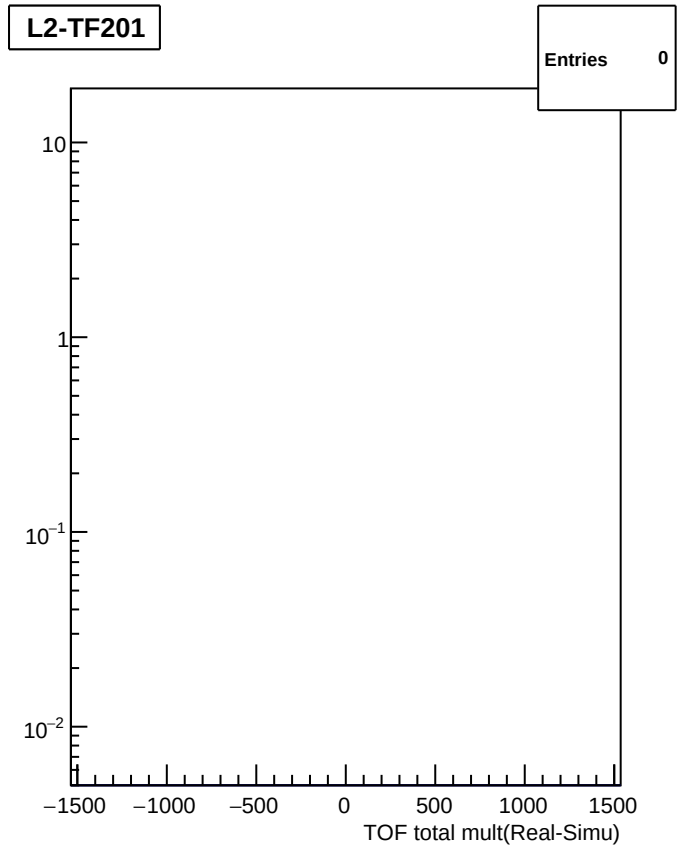

MIX-TF101
Entries 469542
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

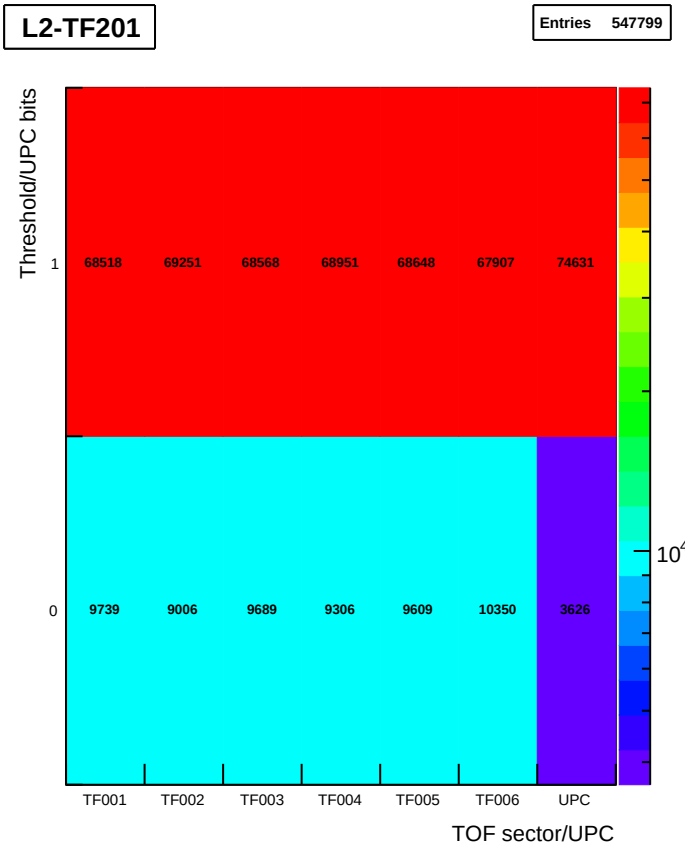

MIX-TF101
Entries 24463
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

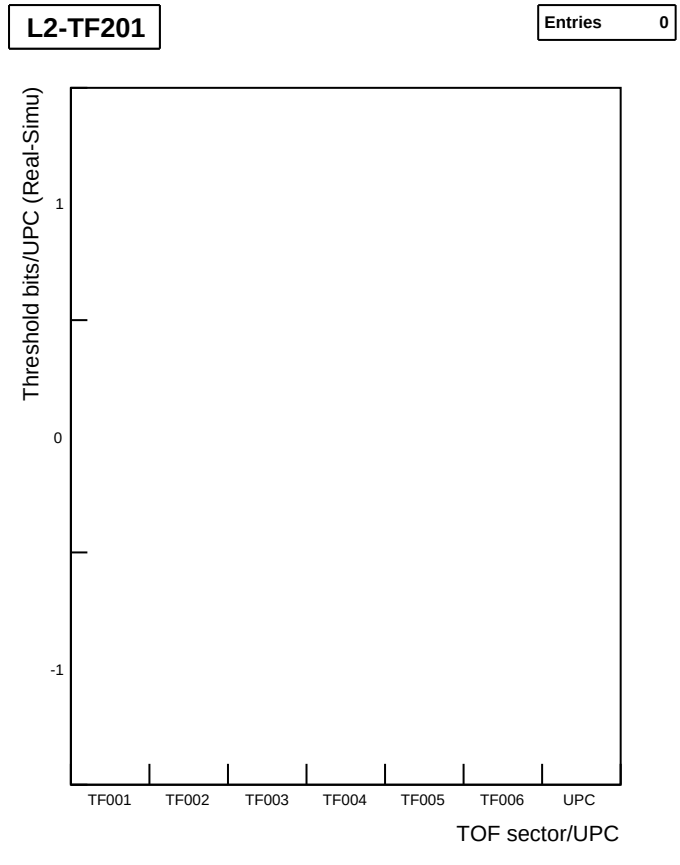

MIX-TF101
Entries 469542
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

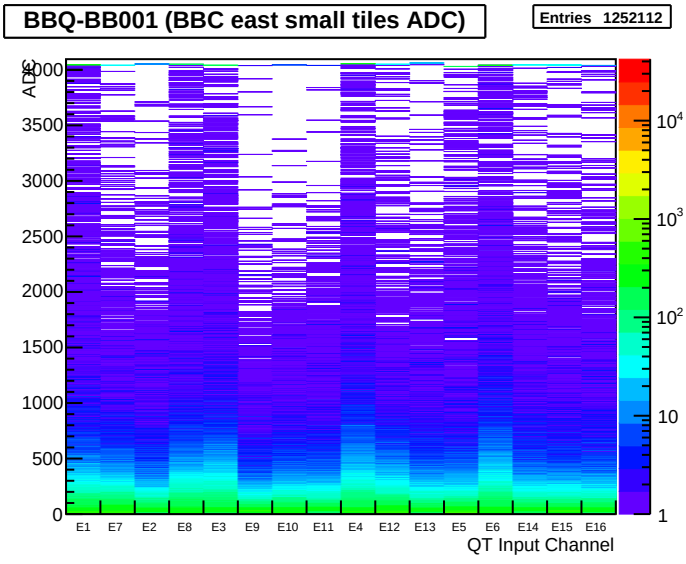

MIX-TF101
Entries 49488
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

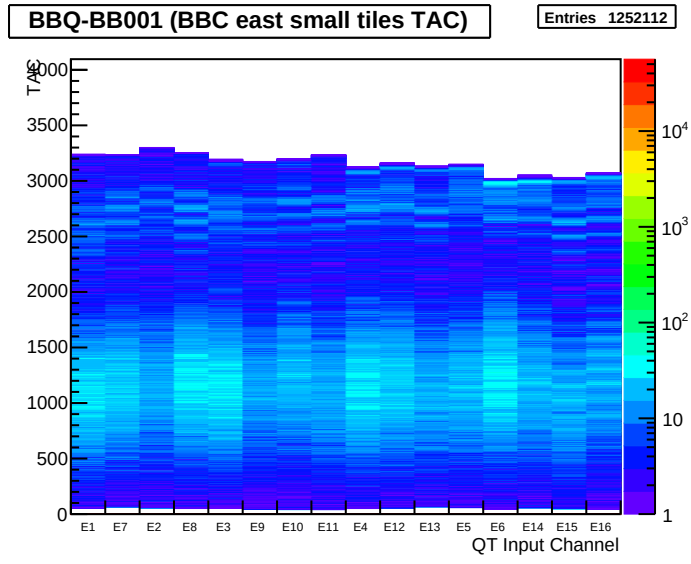

L2-TF201
Entries 78257
TOF total mult

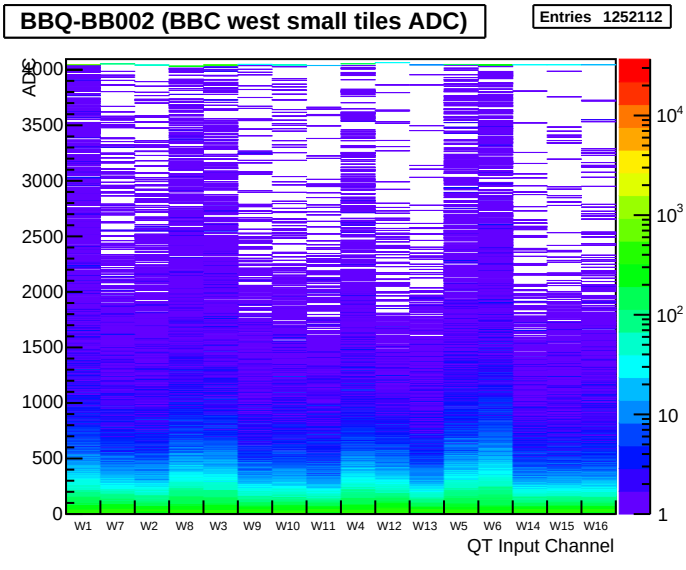

L2-TF201
Entries 0
TOF total mult(Real-Simu)

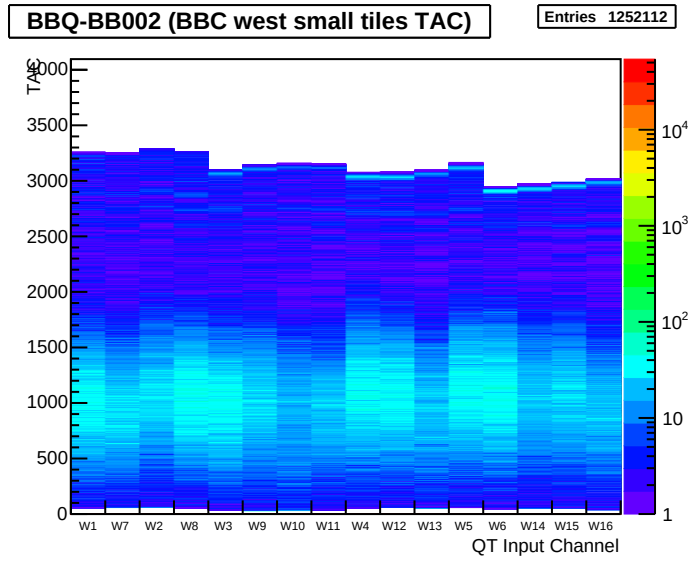

L2-TF201
Entries 547799
Threshold/UPC bits
68518 69251 68568 68951 68648 67907 74631
9739 9006 9689 9306 9609 10350 3626
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

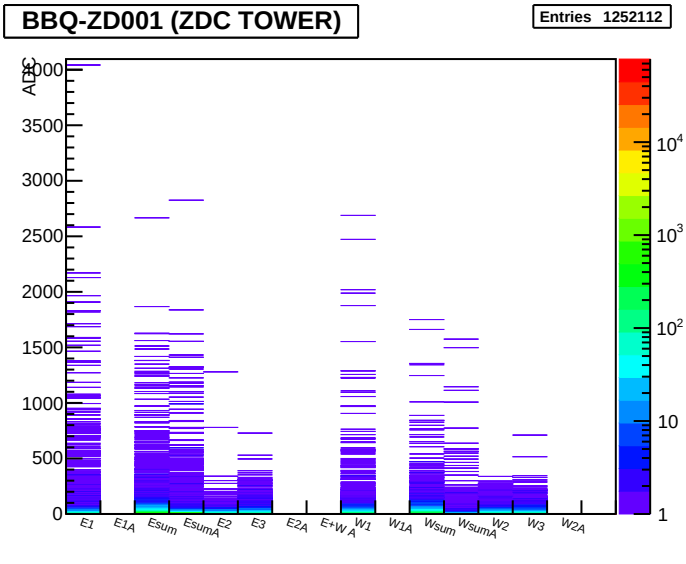

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

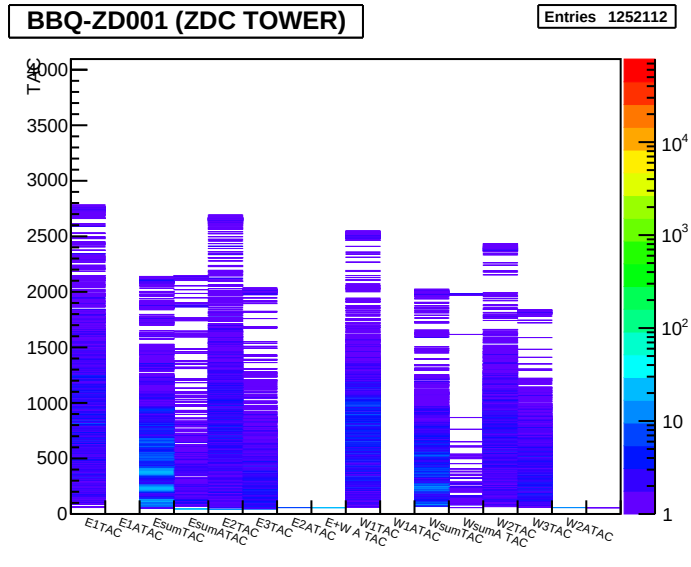

BBQ-BB001 (BBC east small tiles ADC)
Entries 1252112
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

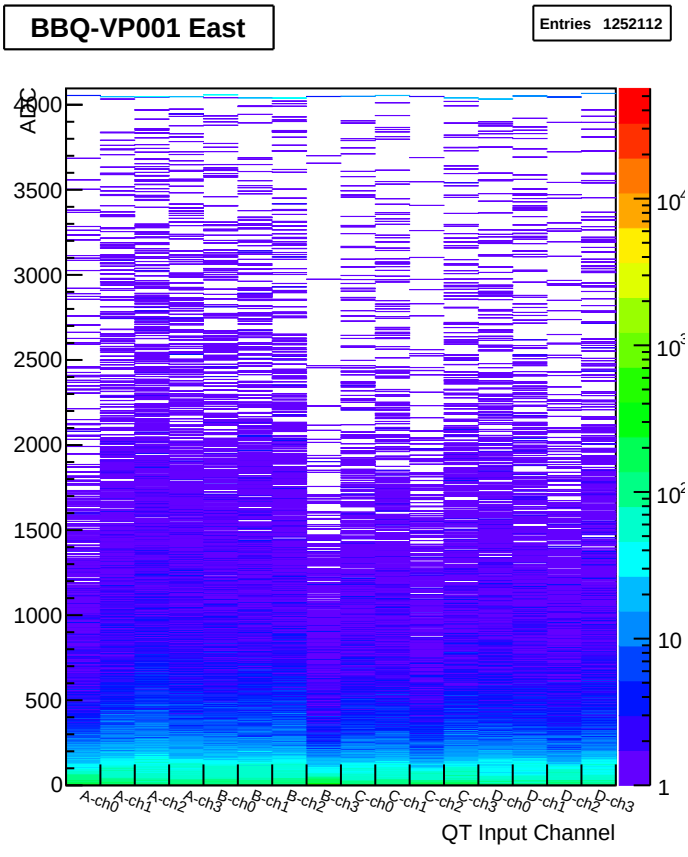

BBQ-BB001 (BBC east small tiles TAC)
Entries 1252112
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

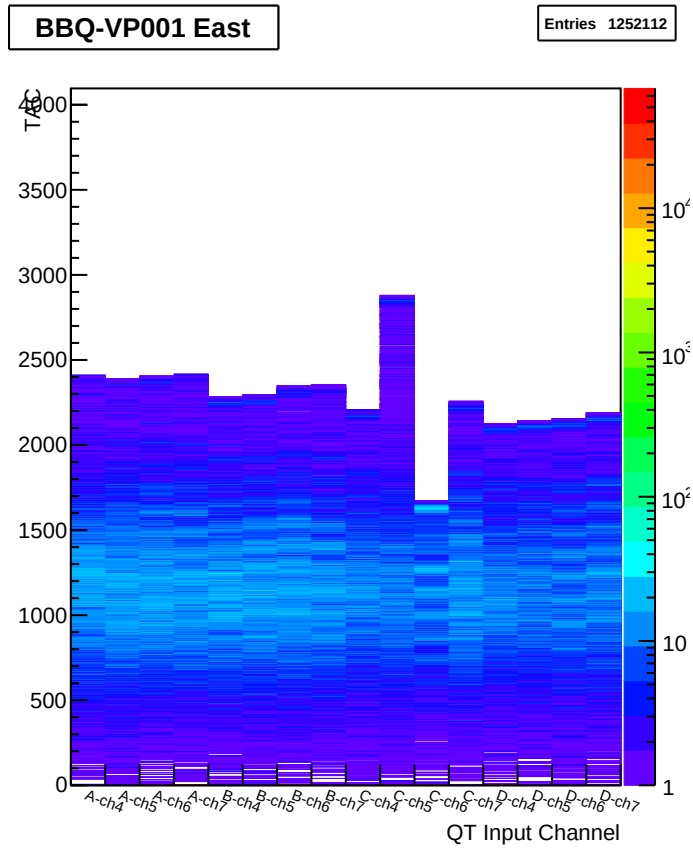

BBQ-BB002 (BBC west small tiles ADC)
Entries 1252112
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

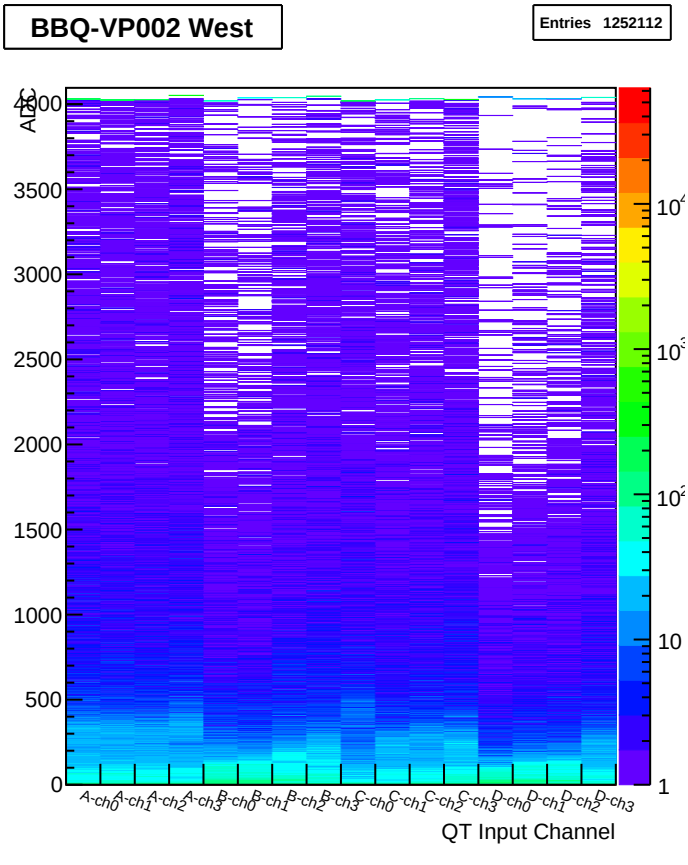

BBQ-BB002 (BBC west small tiles TAC)
Entries 1252112
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

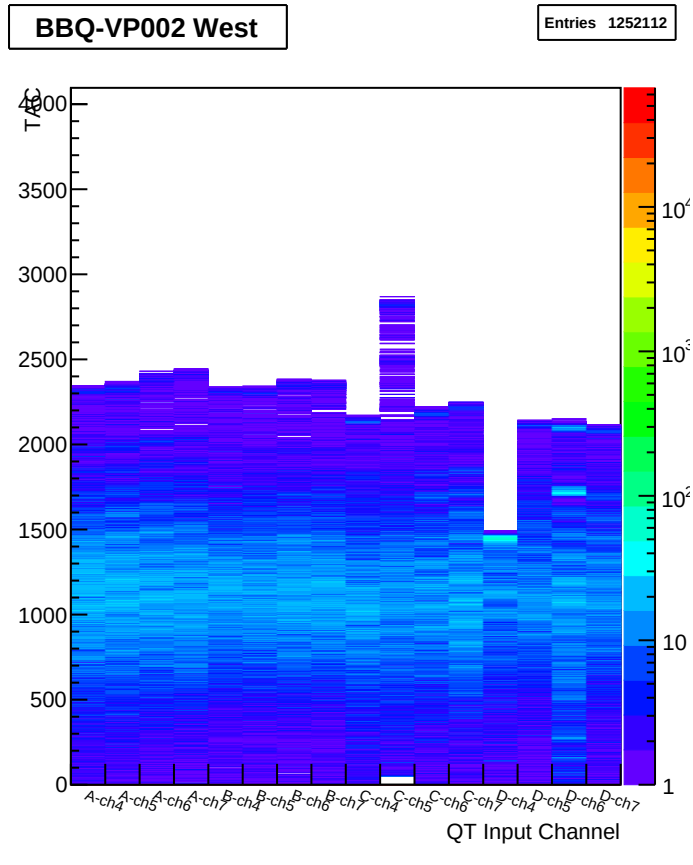

BBQ-ZD001 (ZDC TOWER)
Entries 1252112
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

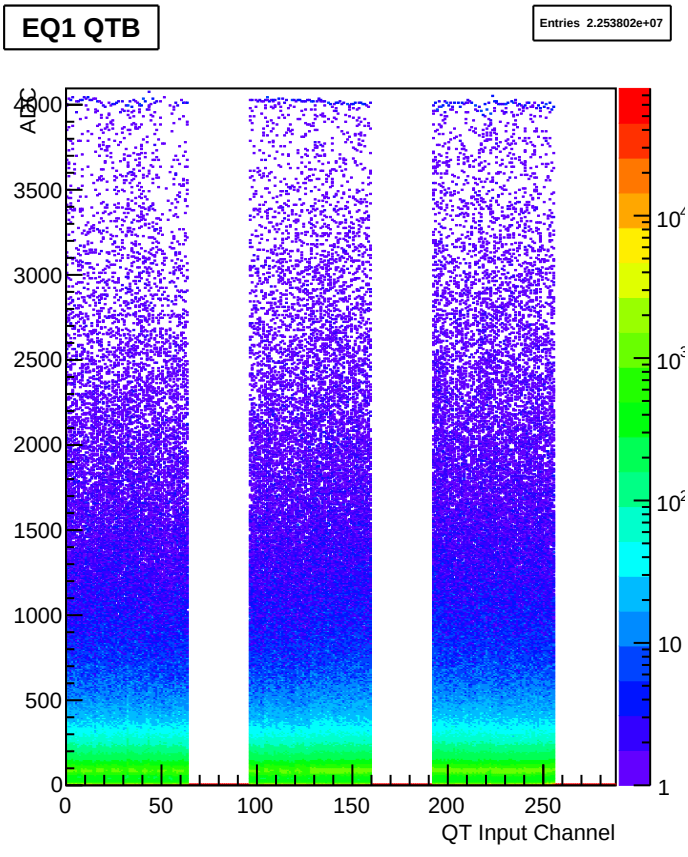

BBQ-ZD001 (ZDC TOWER)
Entries 1252112
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

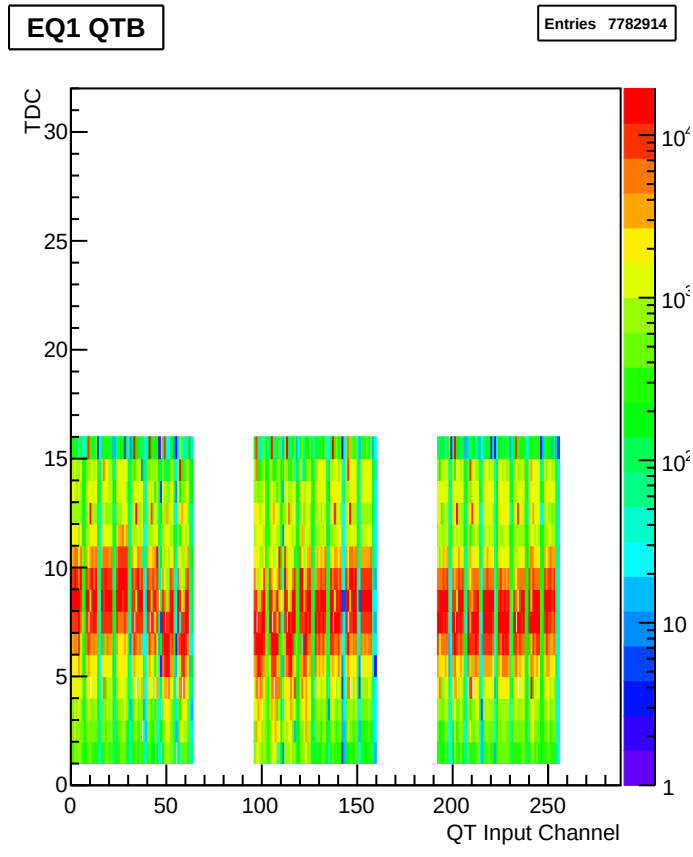

BBQ-VP001 East
Entries 1252112
ADC
QT Input Channel

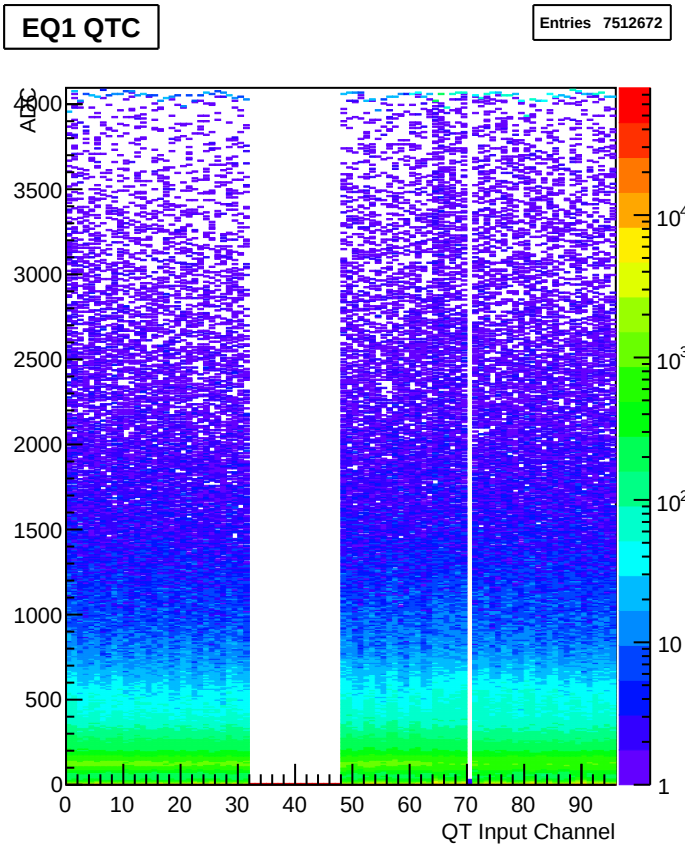

BBQ-VP001 East
Entries 1252112
TAC
QT Input Channel

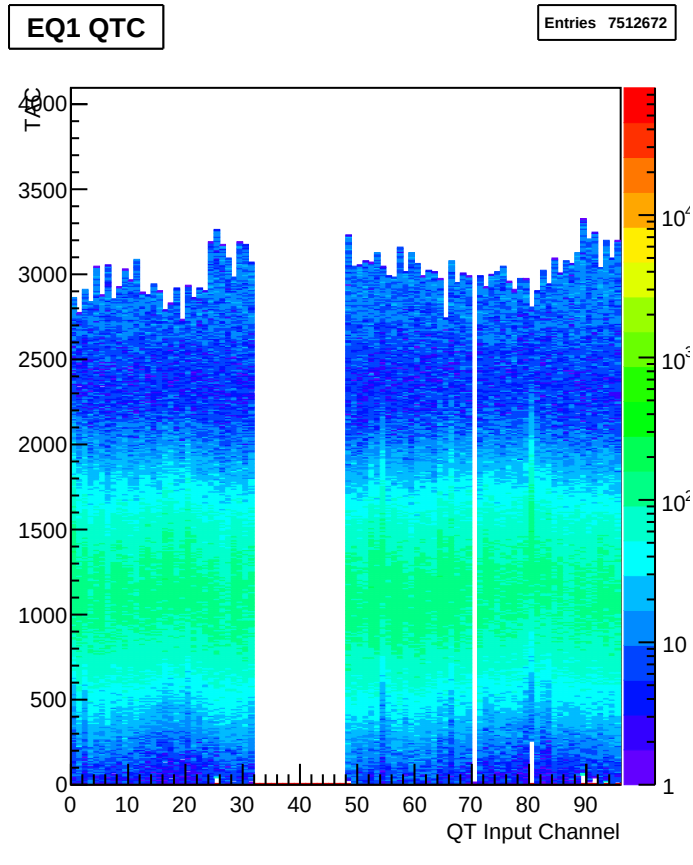

BBQ-VP002 West
Entries 1252112
ADC
QT Input Channel

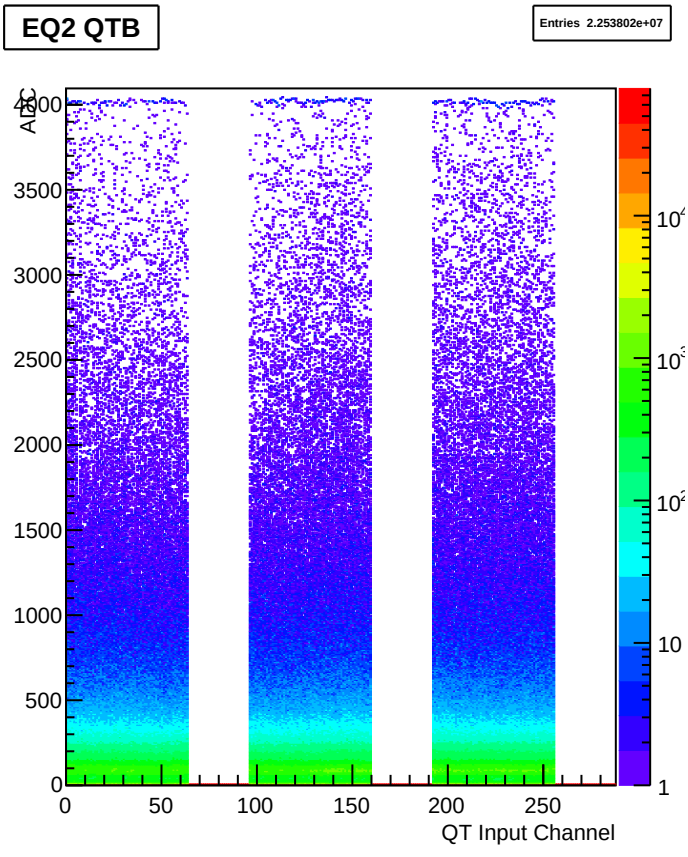

BBQ-VP002 West
Entries 1252112
TAC
QT Input Channel

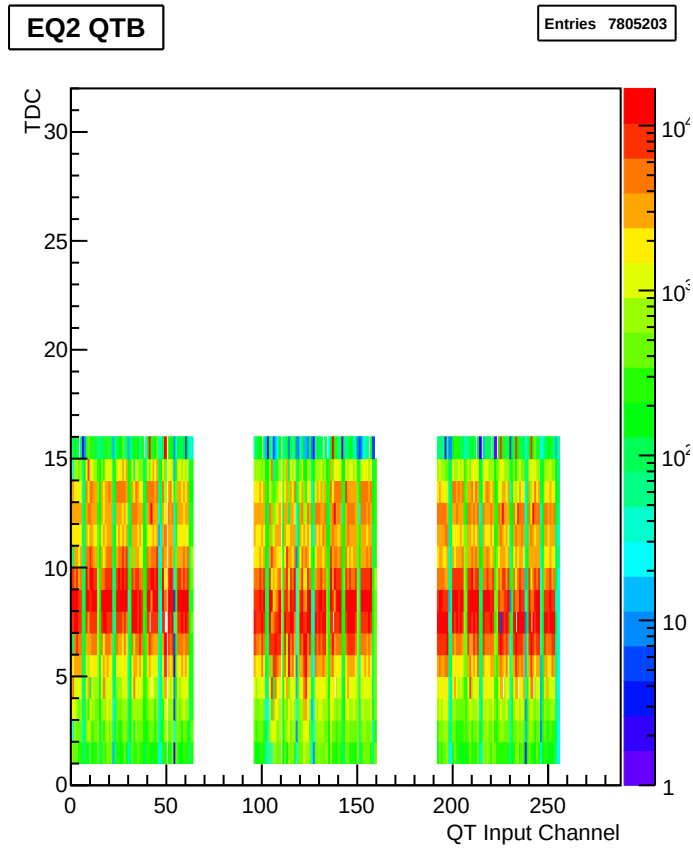

EQ1 QTB
Entries 2.253802e+07
ADC
QT Input Channel

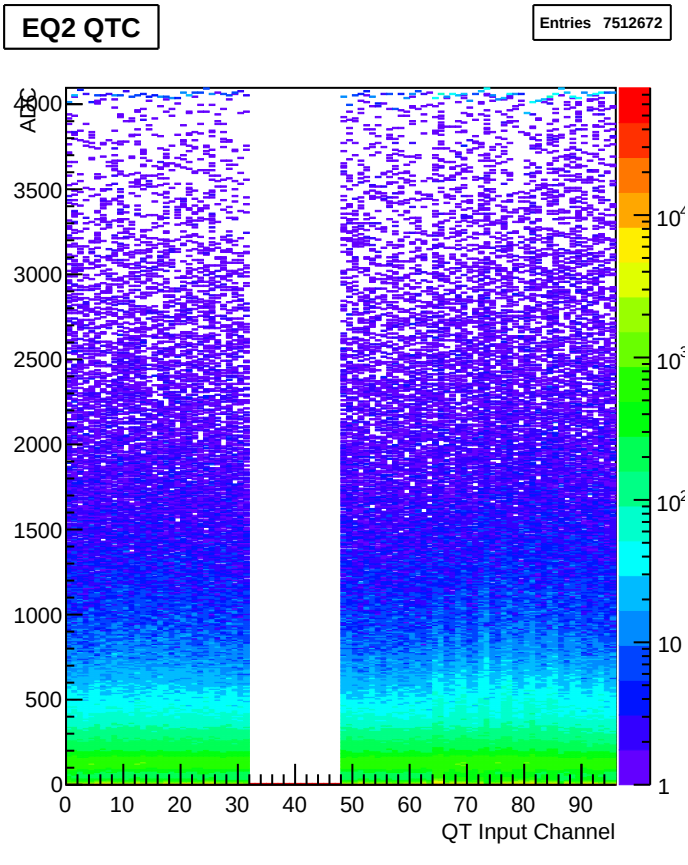

EQ1 QTB
Entries 7782914
TDC
QT Input Channel

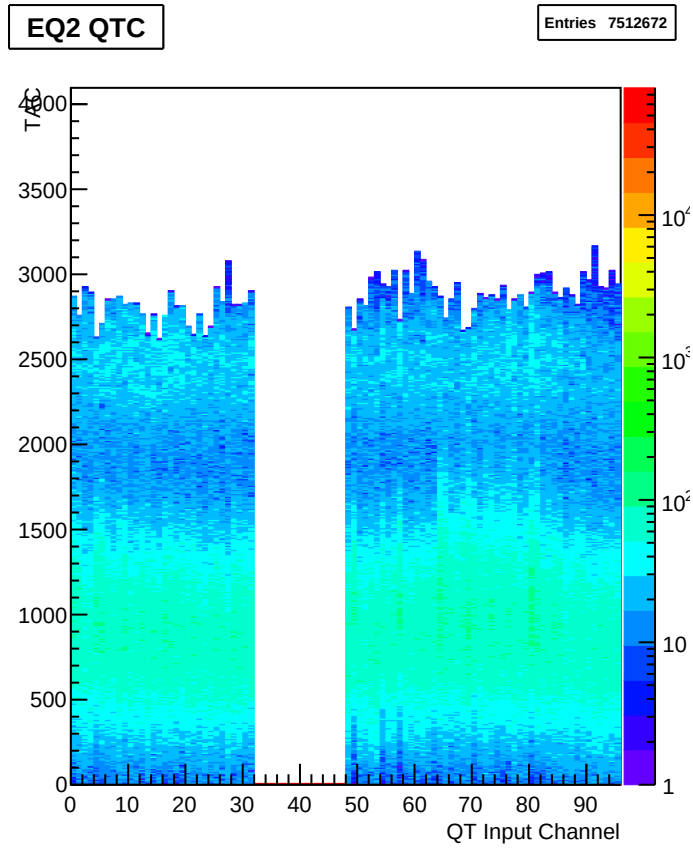

EQ1 QTC
Entries 7512672
ADC
QT Input Channel

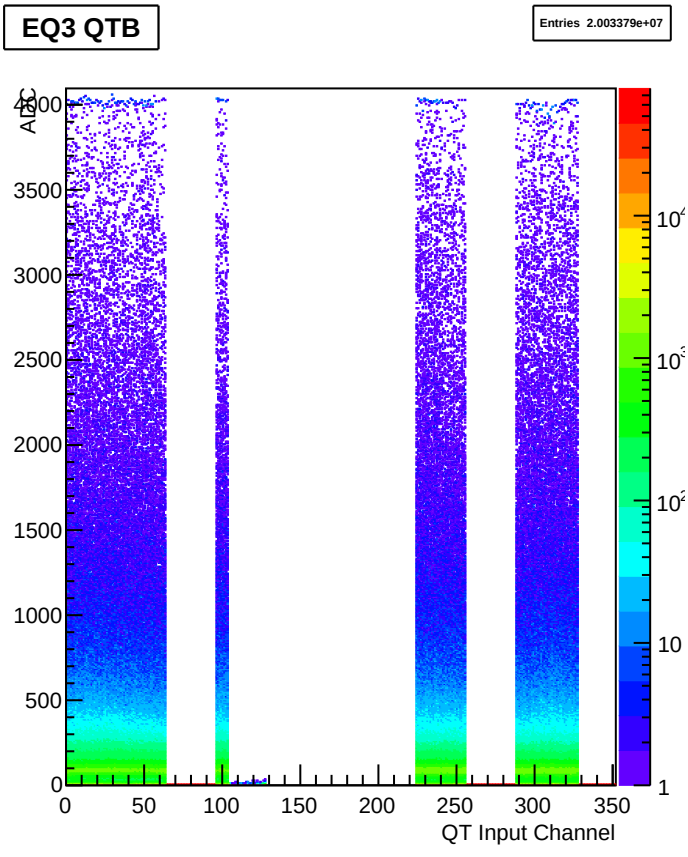

EQ1 QTC
Entries 7512672
TADC
QT Input Channel

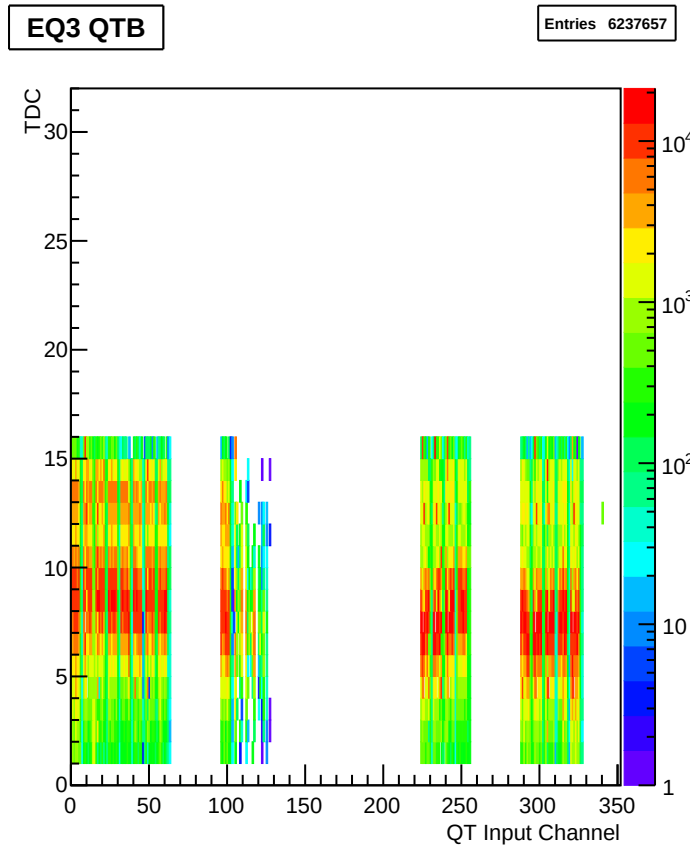

EQ2 QTB
Entries 2.253802e+07
ADC
QT Input Channel

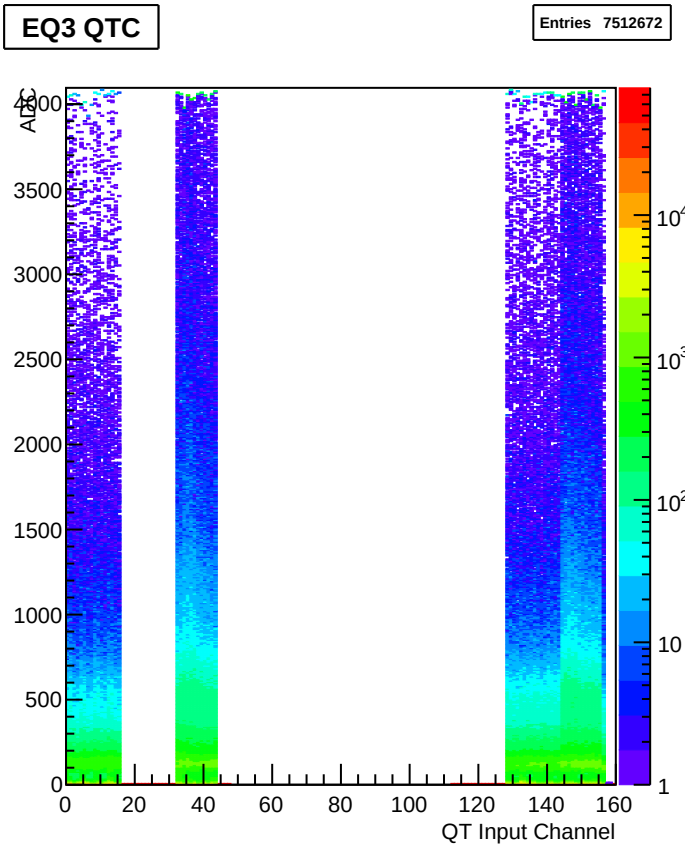

EQ2 QTB
Entries 7805203
TDC
QT Input Channel

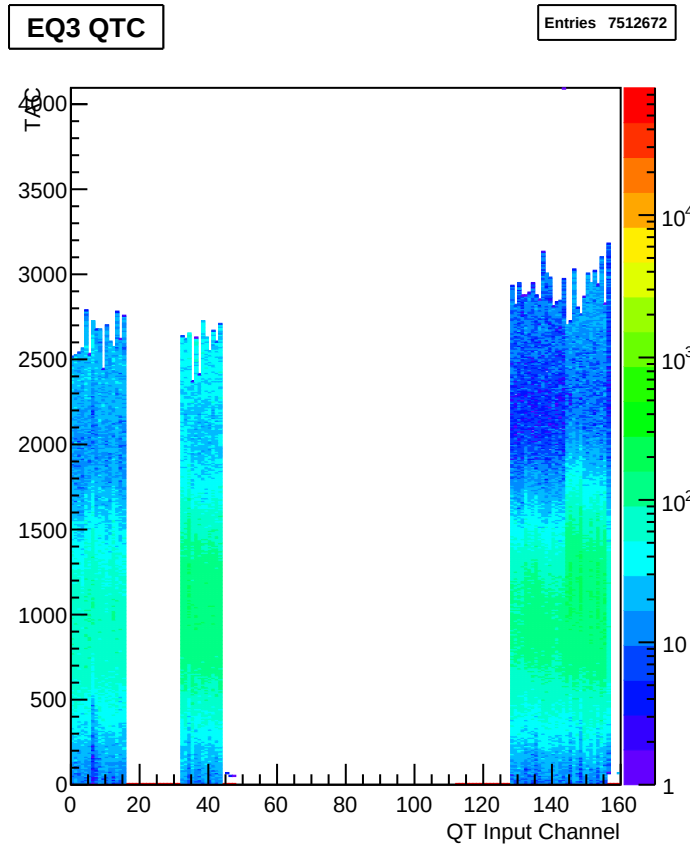

EQ2 QTC
Entries 7512672
ADC
QT Input Channel

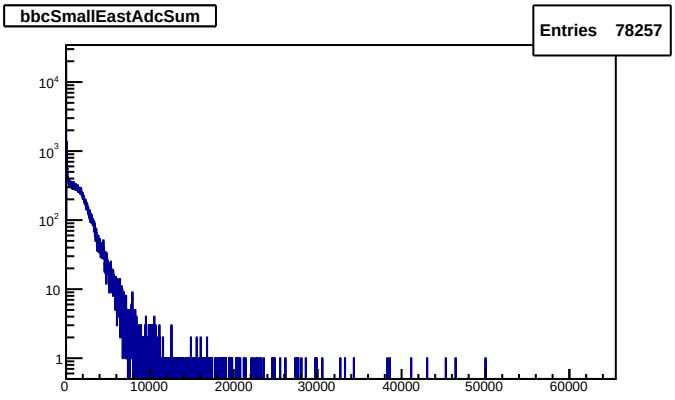

EQ2 QTC
Entries 7512672
TADC
QT Input Channel

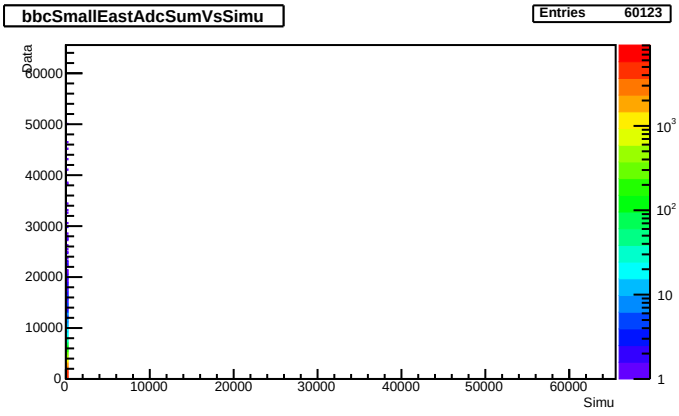

EQ3 QTB
Entries 2.003379e+07
ADC
QT Input Channel

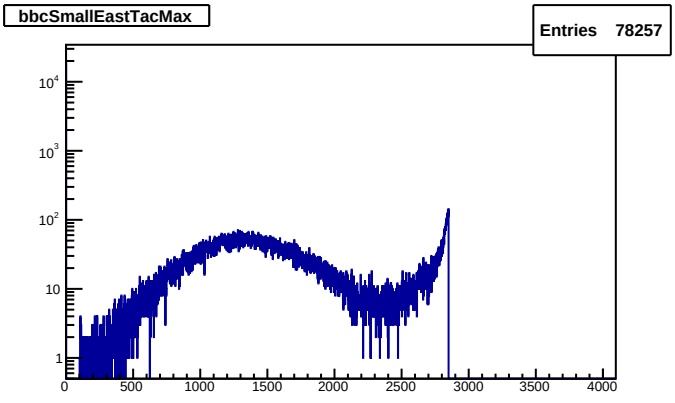

EQ3 QTB
Entries 6237657
TDC
QT Input Channel

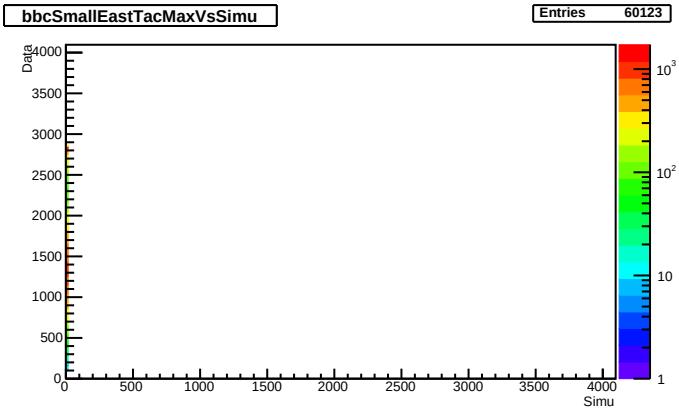

EQ3 QTC
Entries 7512672
ADC
QT Input Channel

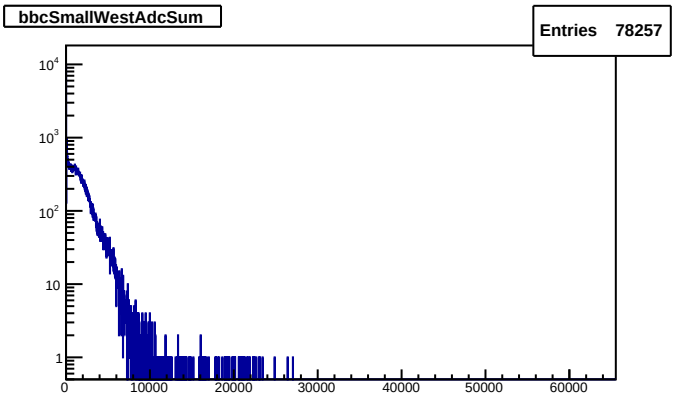

EQ3 QTC
Entries 7512672
TADC
QT Input Channel

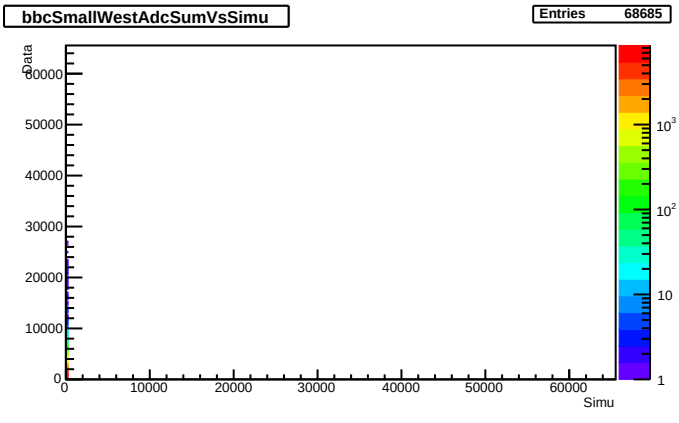

bbcSmallEastAdcSum
Entries 78257

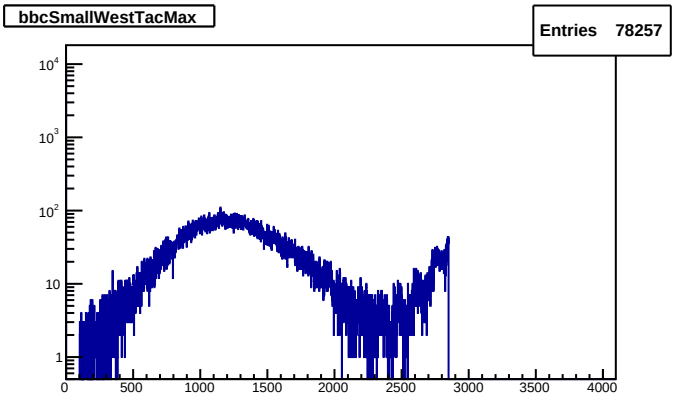

bbcSmallEastAdcSumVsSimu
Entries 60123
Data
Simu

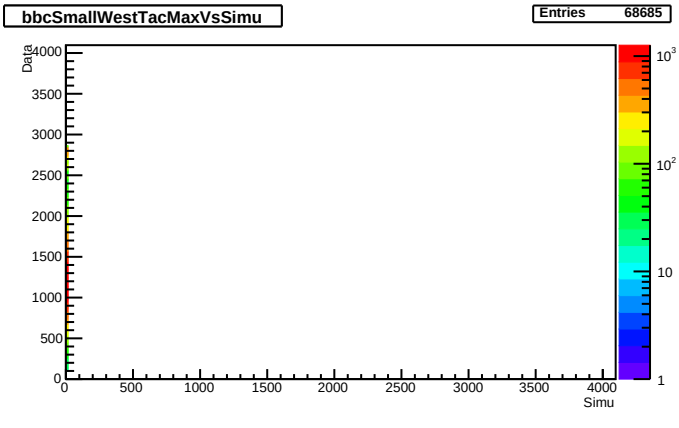

bbcSmallEastTacMax
Entries 78257

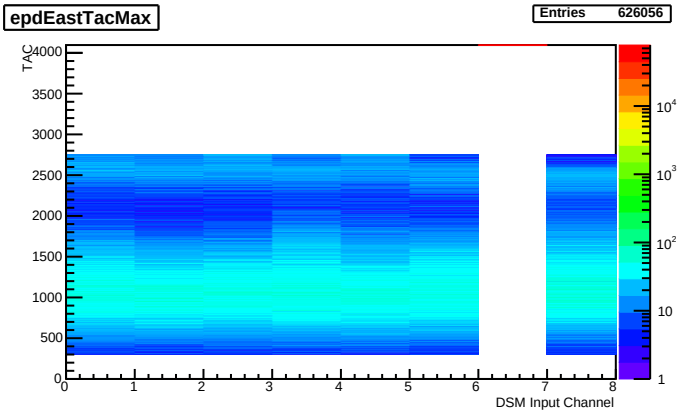

bbcSmallEastTacMaxVsSimu
Entries 60123
Data
Simu

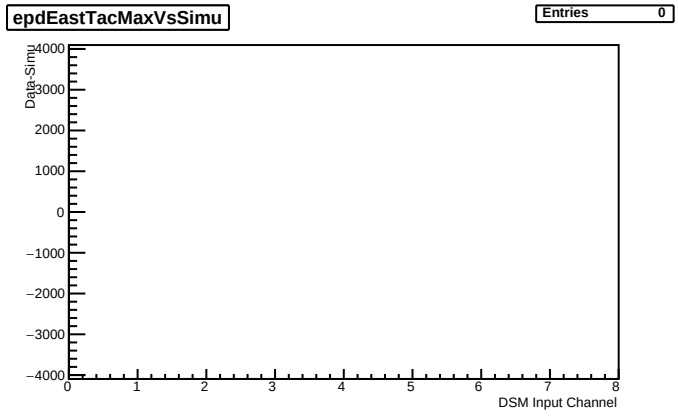

bbcSmallWestAdcSum
Entries 78257

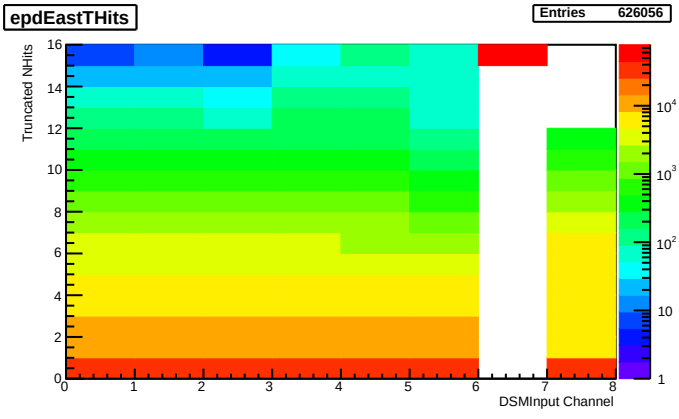

bbcSmallWestAdcSumVsSimu
Entries 68685
Data
Simu

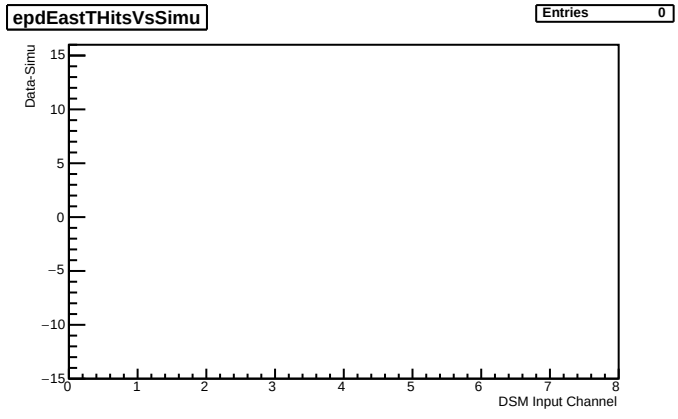

bbcSmallWestTacMax
Entries 78257

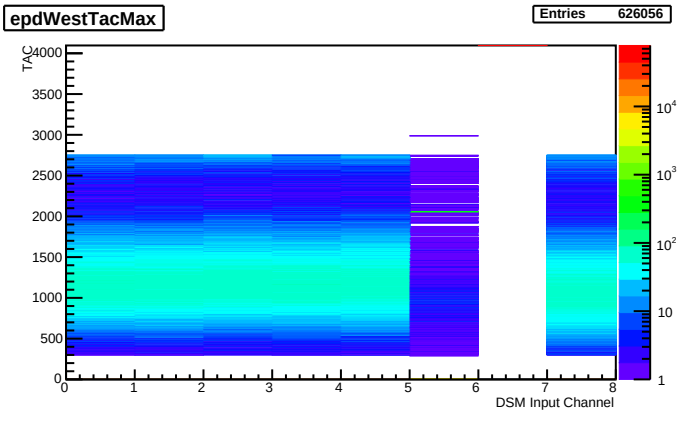

bbcSmallWestTacMaxVsSimu
Entries 68685
Data
Simu

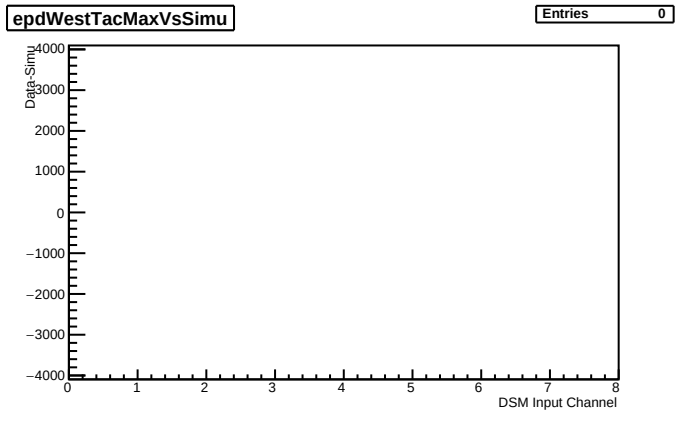

epdEastTacMax
Entries 626056
TAC
DSM Input Channel

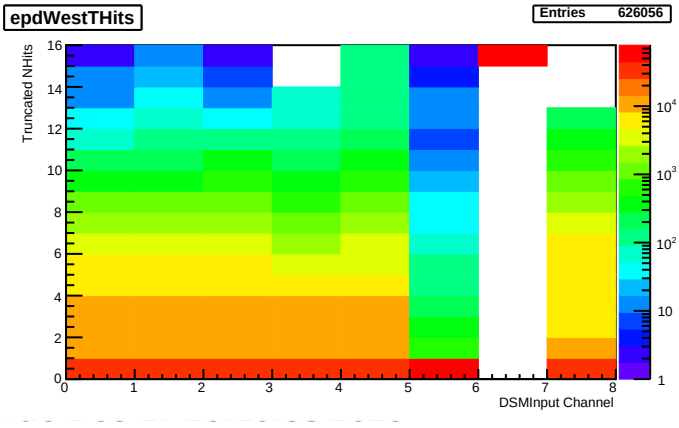

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

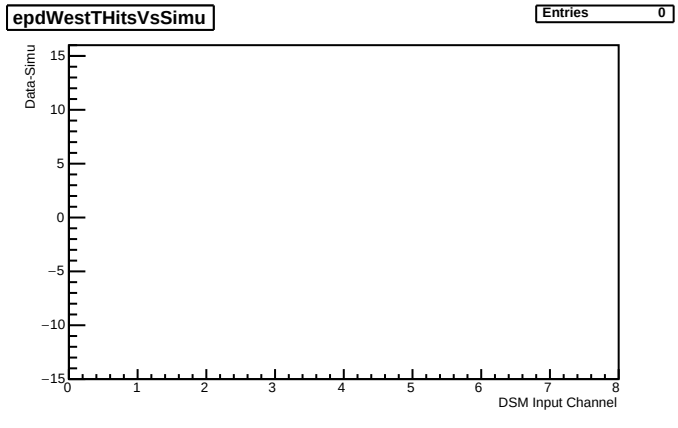

epdEastTHits
Entries 626056
Truncated NHits
DSMInput Channel

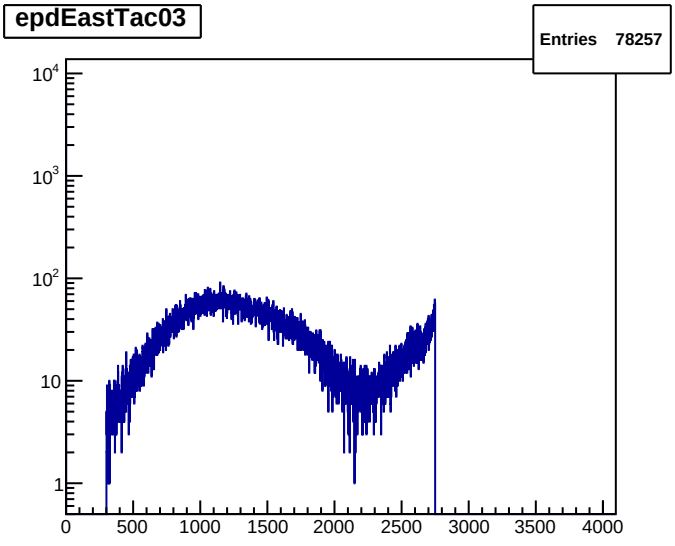

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

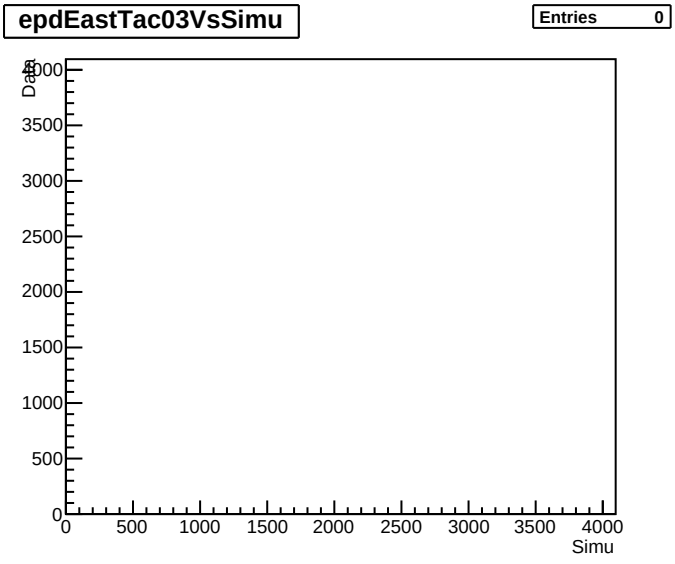

epdWestTacMax
Entries 626056
TAC
DSM Input Channel

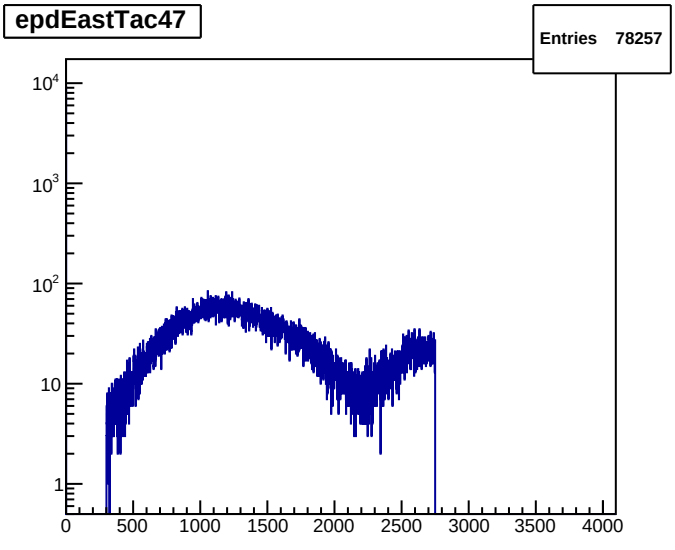

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

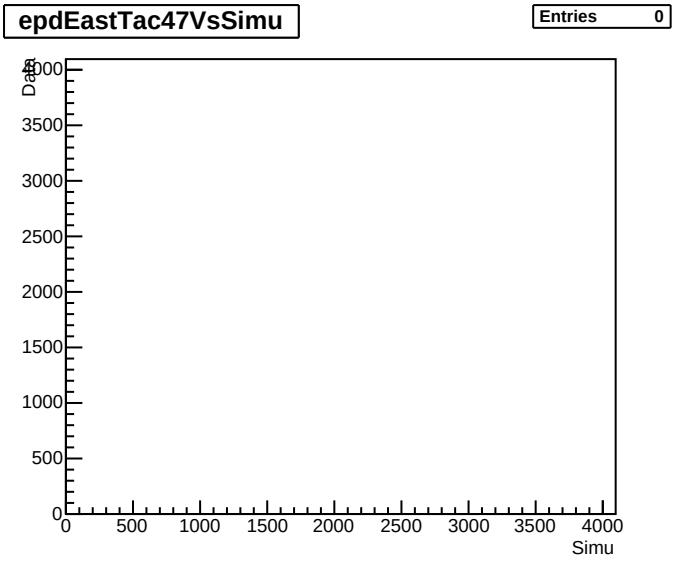

epdWestTHits
Entries 626056
Truncated NHits
DSMInput Channel

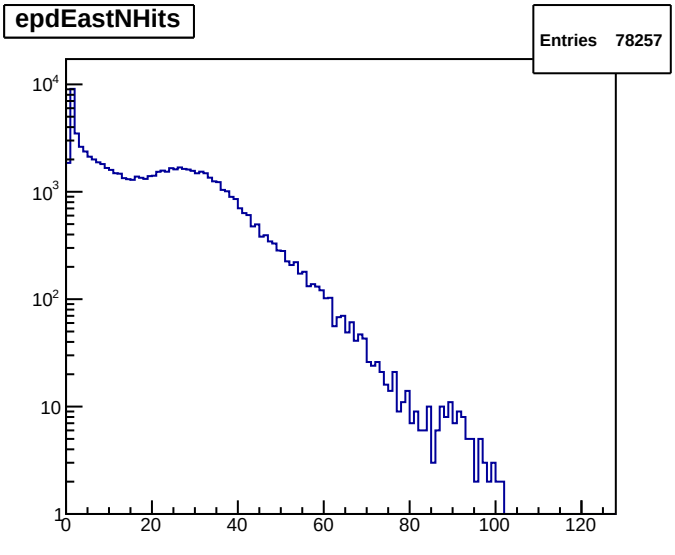

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

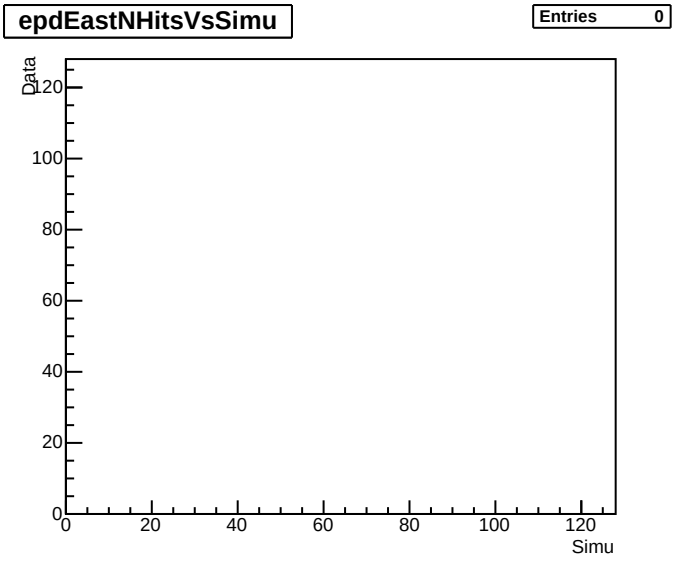

epdEastTac03
Entries 78257

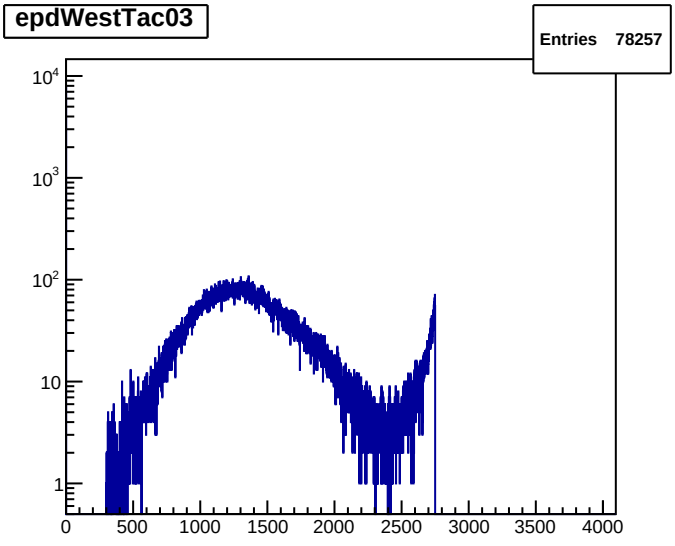

epdEastTac03VsSimu
Entries 0
Data
Simu

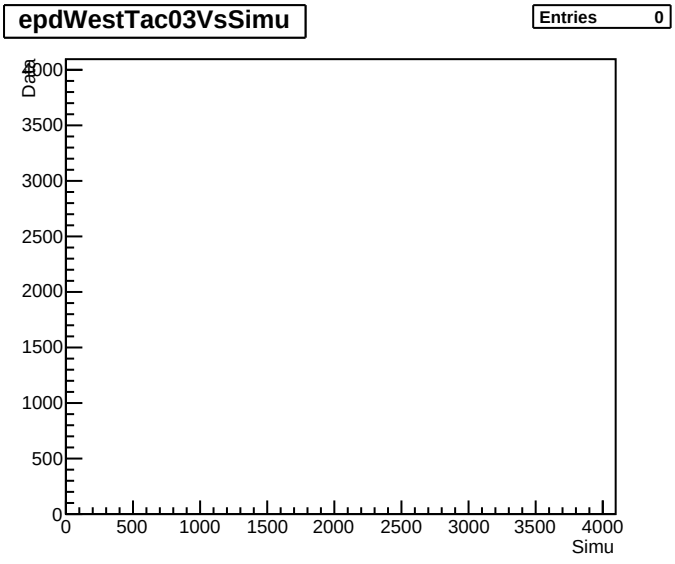

epdEastTac47
Entries 78257

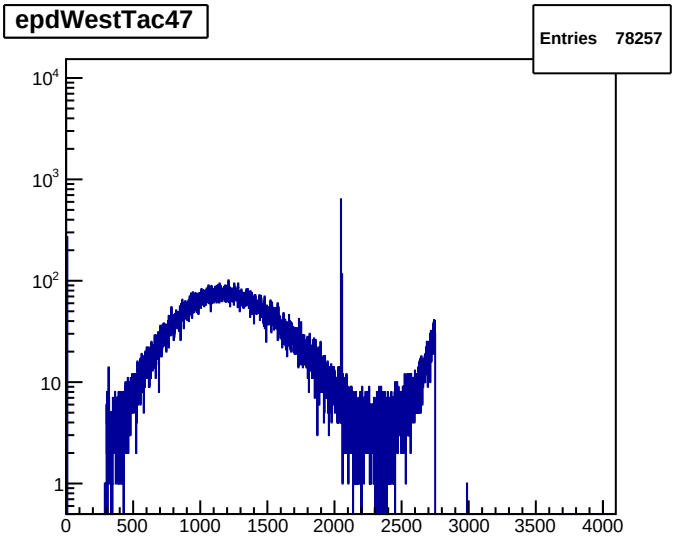

epdEastTac47VsSimu
Entries 0
Data
Simu

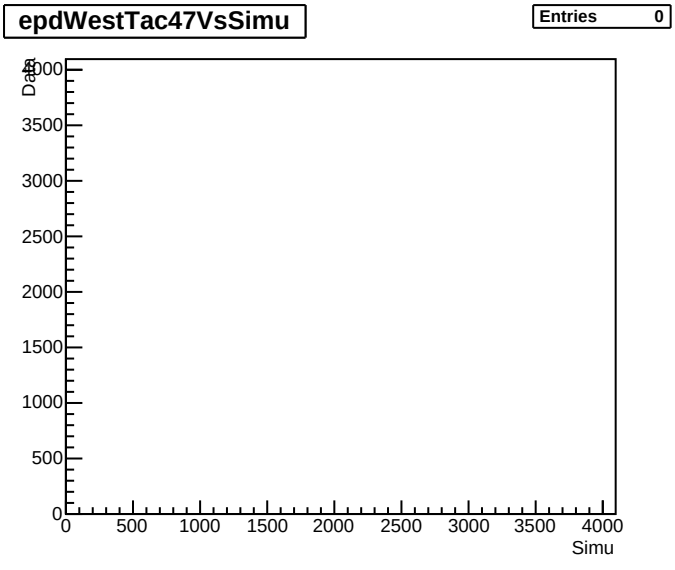

epdEastNHits
Entries 78257

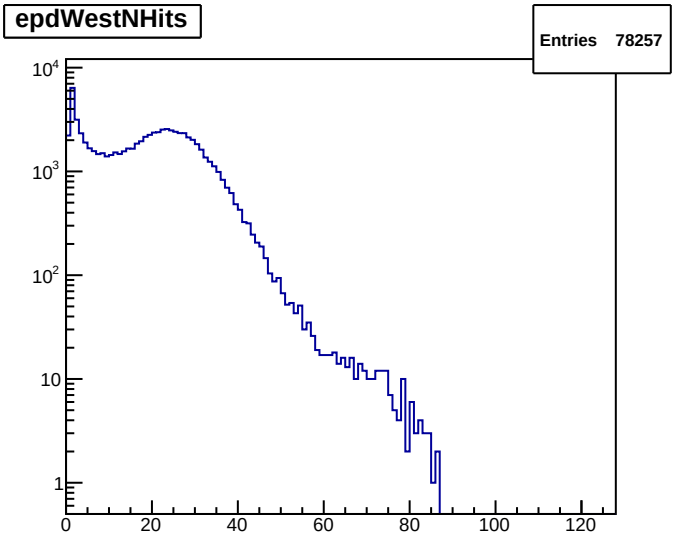

epdEastNHitsVsSimu
Entries 0
Data
Simu

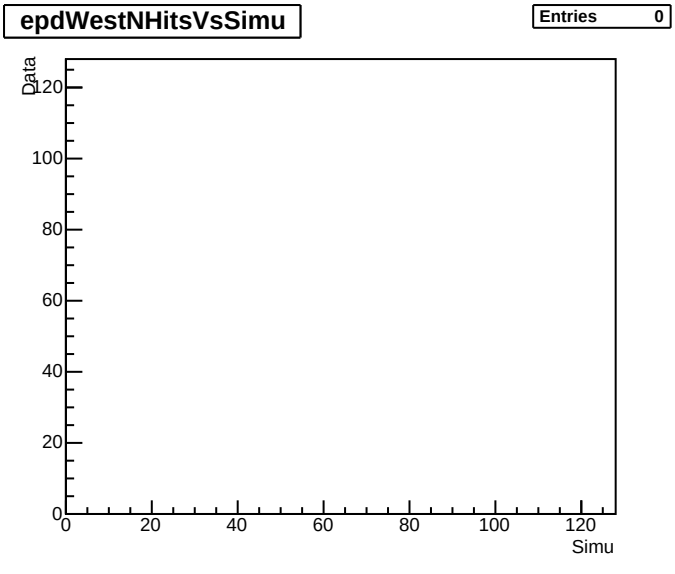

epdWestTac03
Entries 78257

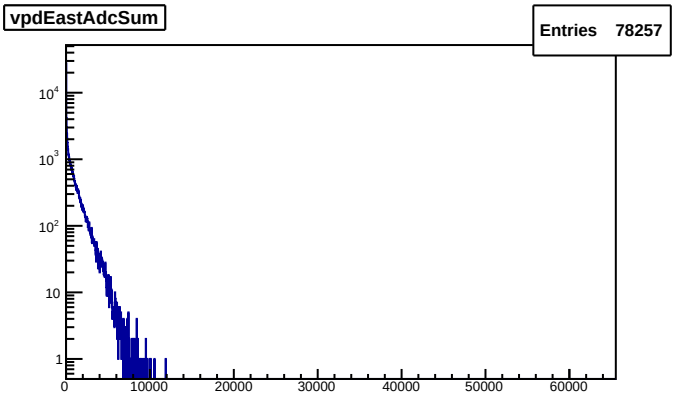

epdWestTac03VsSimu
Entries 0
Data
Simu

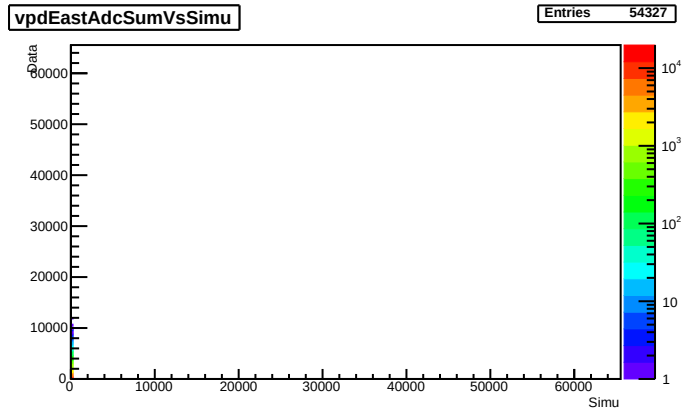

epdWestTac47
Entries 78257

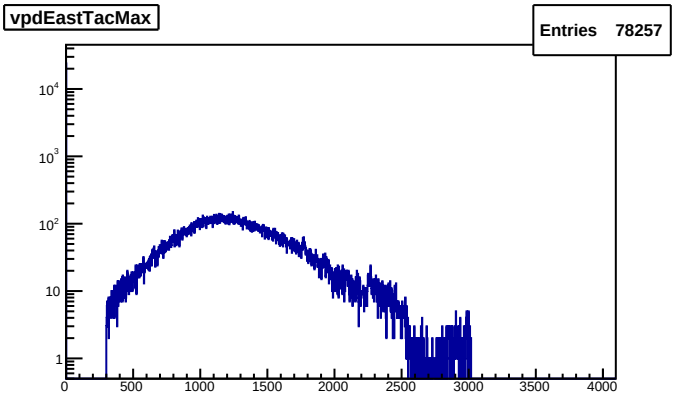

epdWestTac47VsSimu
Entries 0
Data
Simu

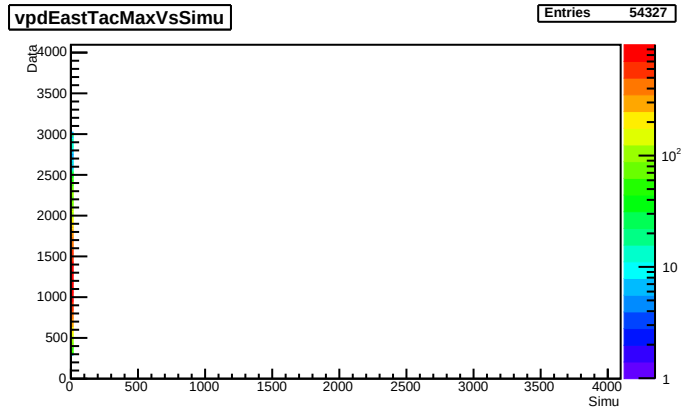

epdWestNHits
Entries 78257

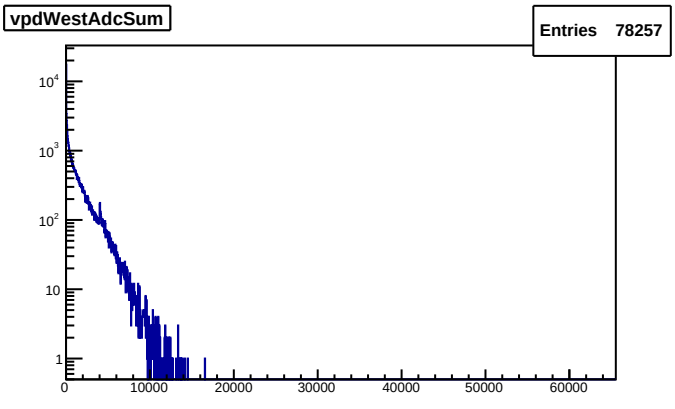

epdWestNHitsVsSimu
Entries 0
Data
Simu

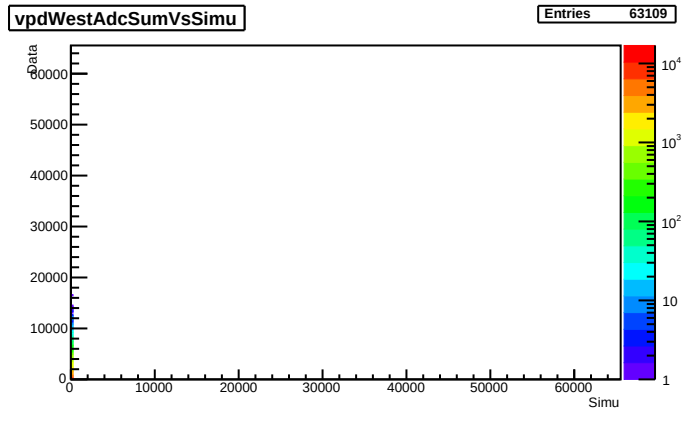

vpdEastAdcSum
Entries 78257

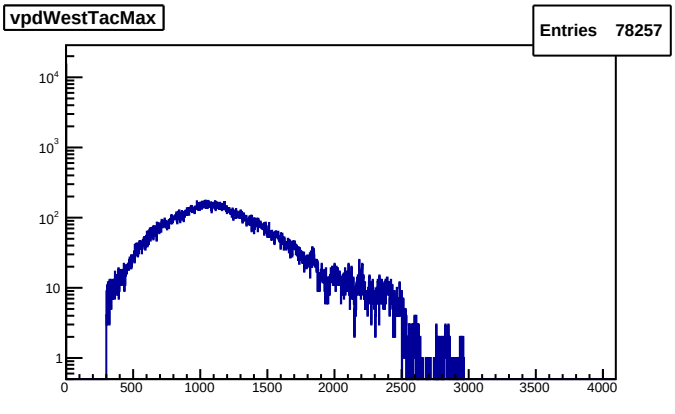

vpdEastAdcSumVsSimu
Entries 54327
Data
Simu

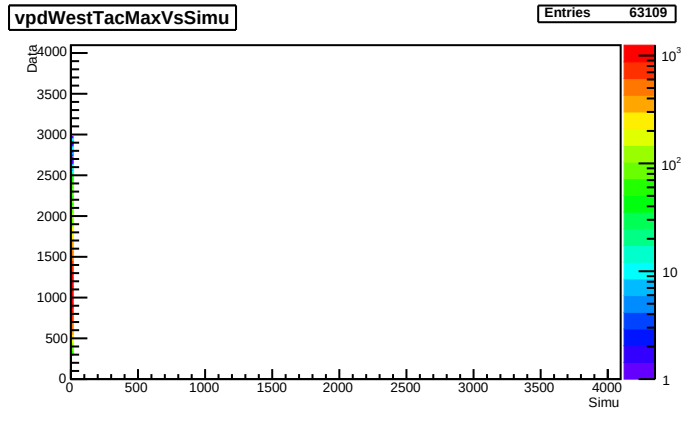

vpdEastTacMax
Entries 78257

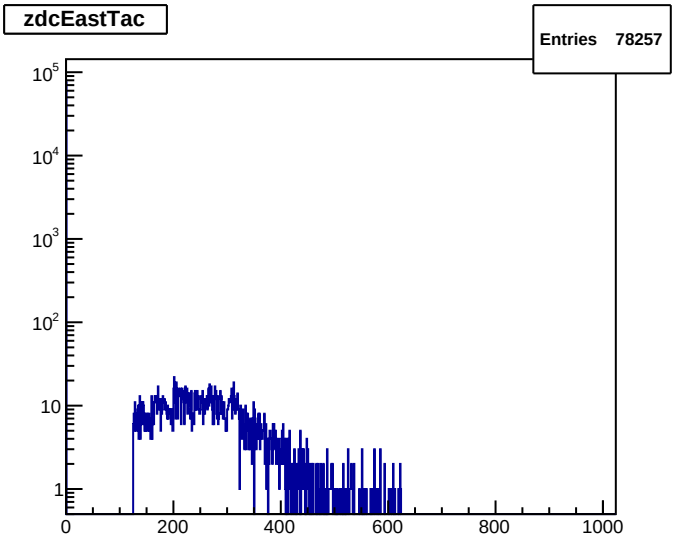

vpdEastTacMaxVsSimu
Entries 54327
Data
Simu

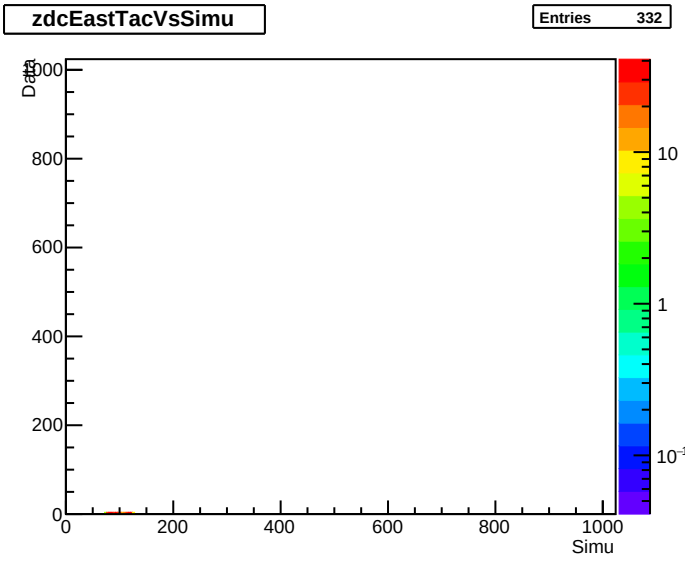

vpdWestAdcSum
Entries 78257

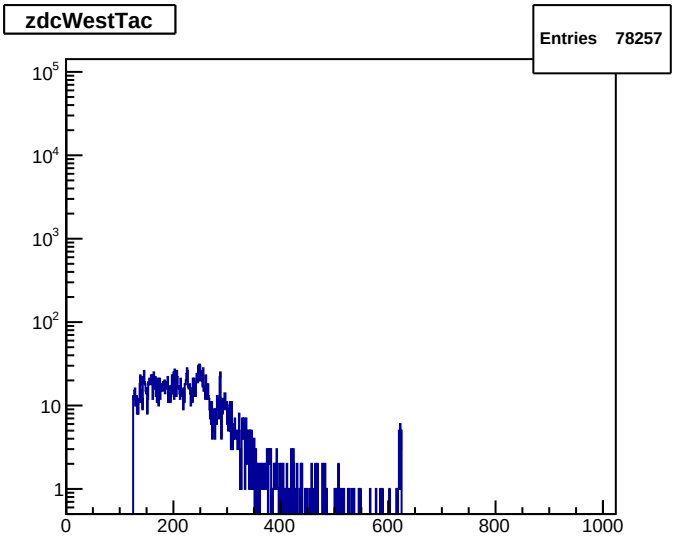

vpdWestAdcSumVsSimu
Entries 63109
Data
Simu

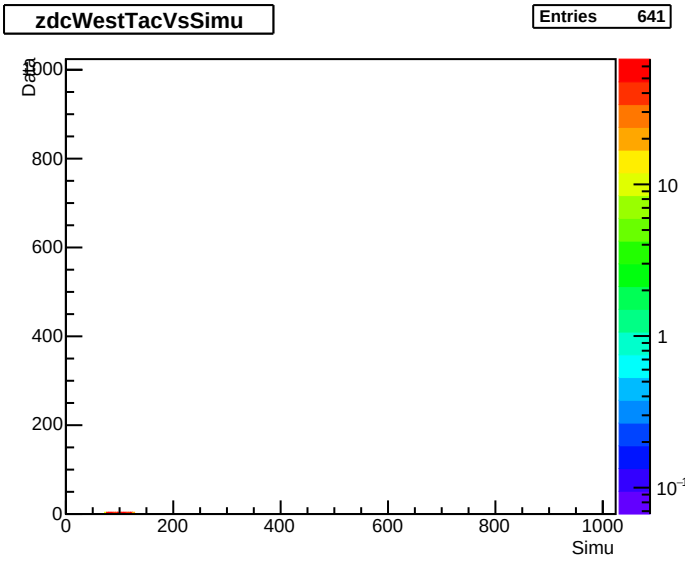

vpdWestTacMax
Entries 78257

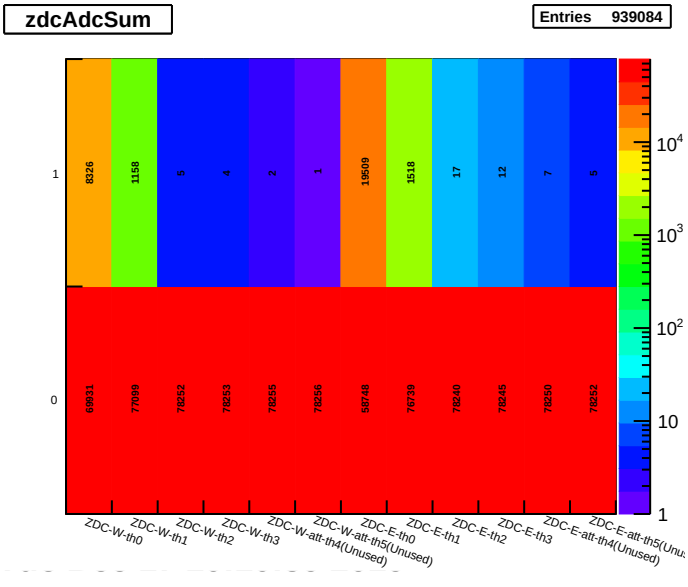

vpdWestTacMaxVsSimu
Entries 63109
Data
Simu

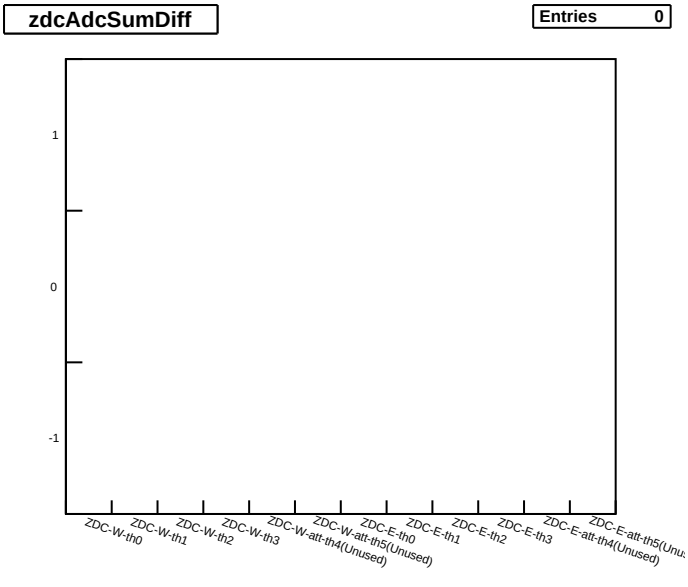

zdcEastTac
Entries 78257

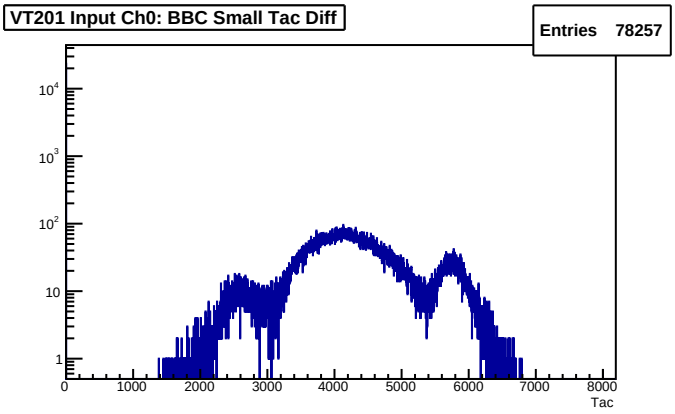

zdcEastTacVsSimu
Entries 332
Data
Simu

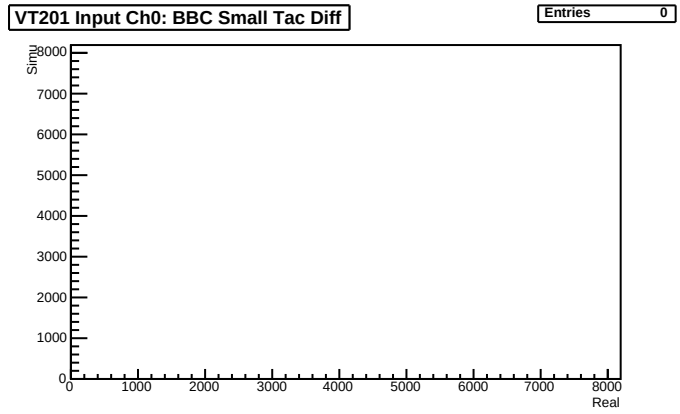

zdcWestTac
Entries 78257

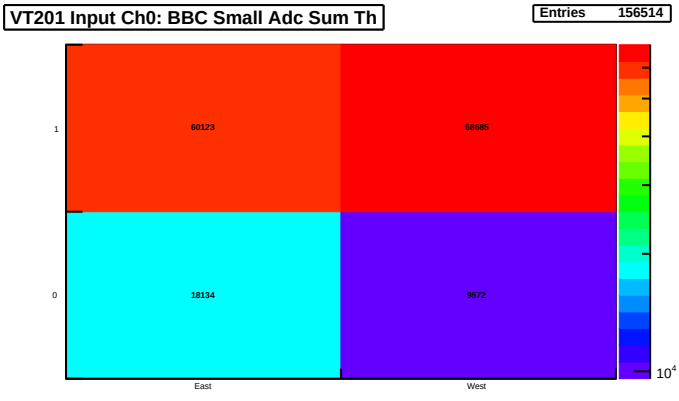

zdcWestTacVsSimu
Entries 641
Data
Simu

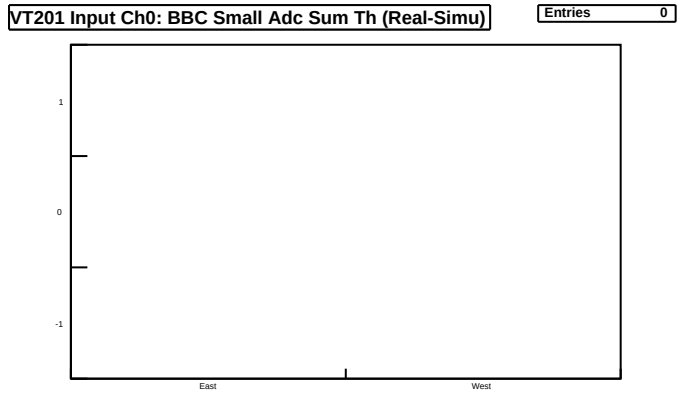

zdcAdcSum
Entries 939084
8326
1158
5
4
2
1
19509
1518
17
12
7
5
69931
77099
78252
78253
78255
78256
58748
76739
78240
78245
78250
78252
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

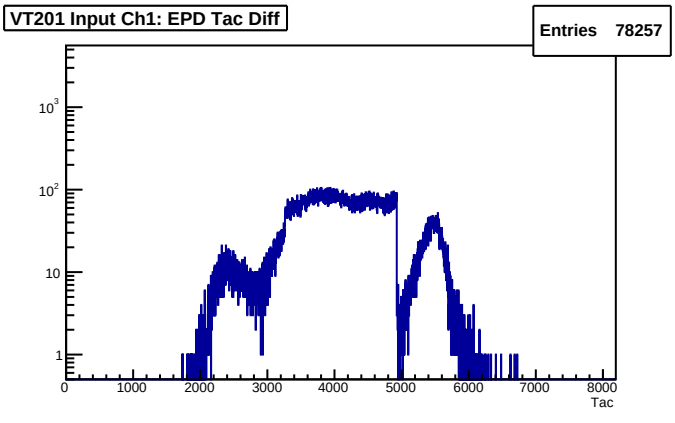

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

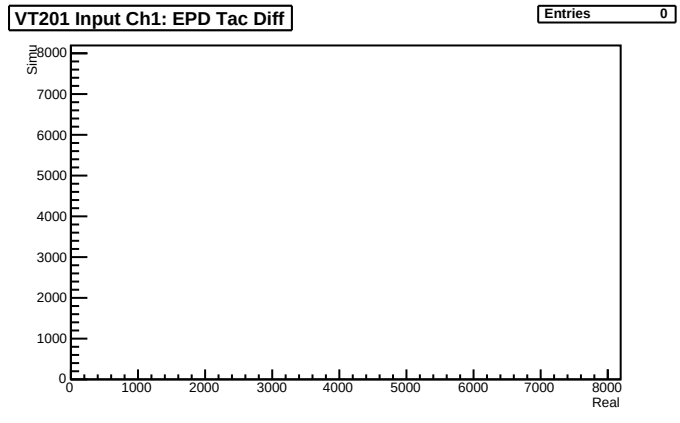

VT201 Input Ch0: BBC Small Tac Diff
Entries 78257
Tac

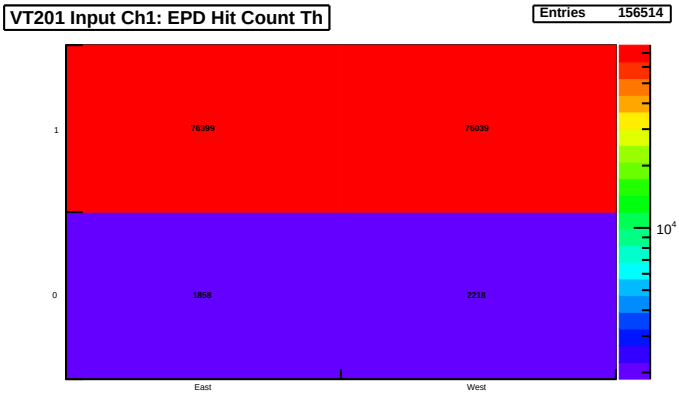

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

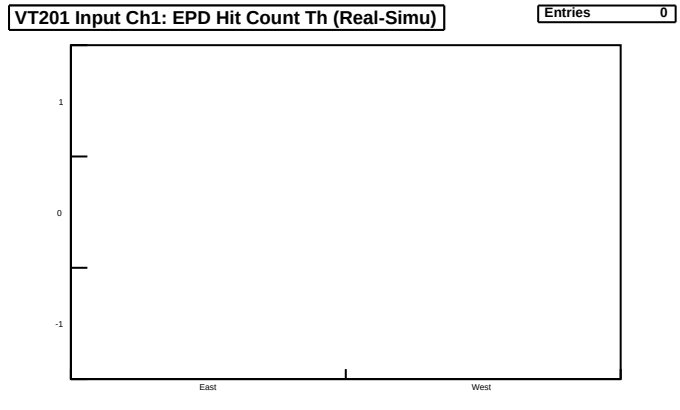

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 156514
60123
68685
18134
9572
East
West

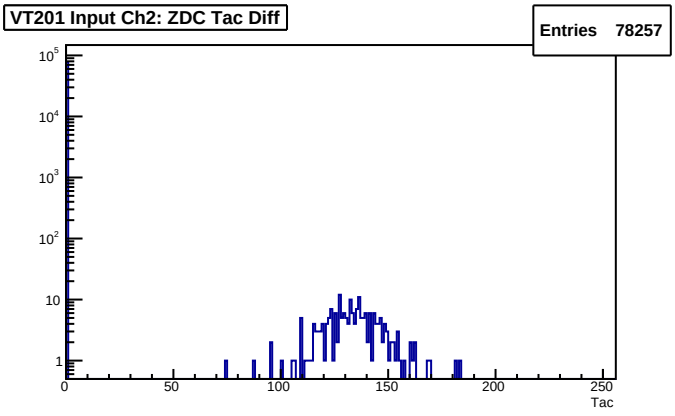

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

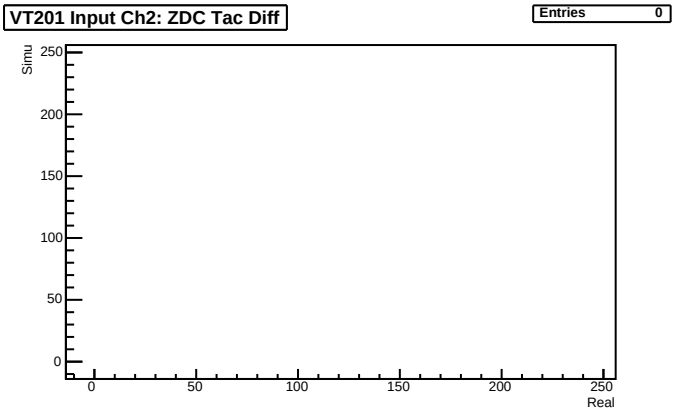

VT201 Input Ch1: EPD Tac Diff
Entries 78257
Tac

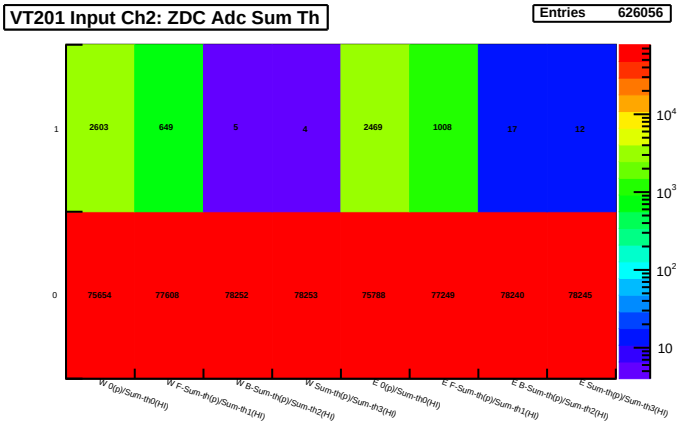

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

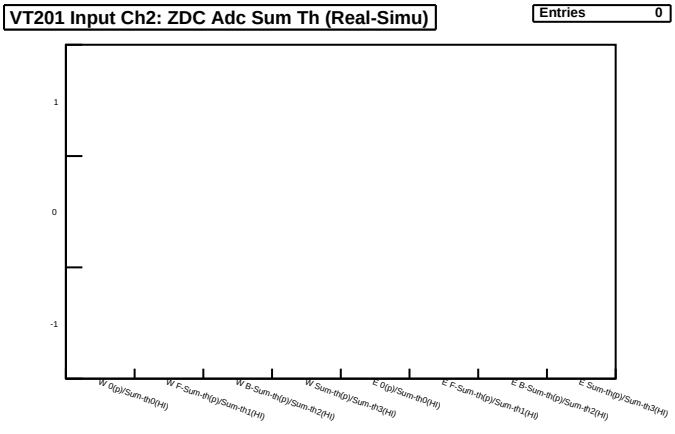

VT201 Input Ch1: EPD Hit Count Th
Entries 156514
76399
76039
1858
2218
East
West

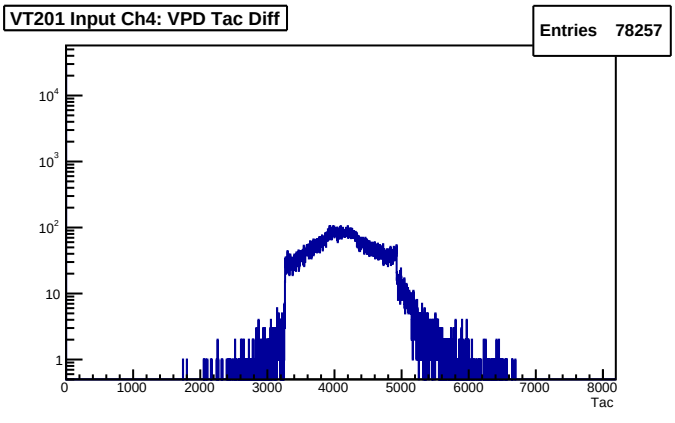

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

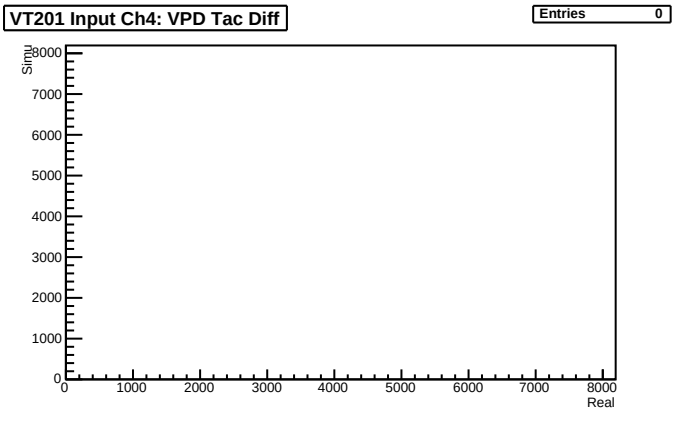

VT201 Input Ch2: ZDC Tac Diff
Entries 78257
Tac

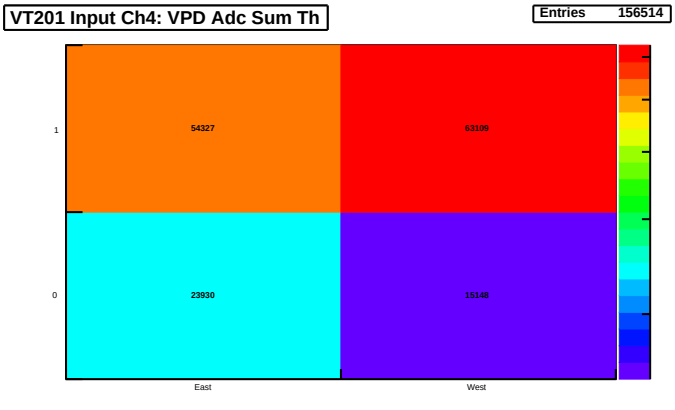

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

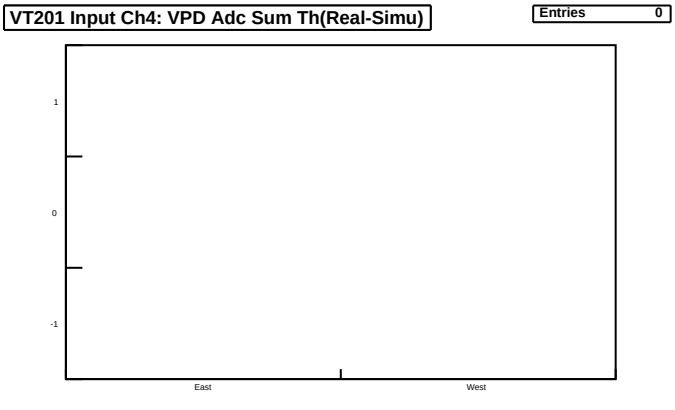

VT201 Input Ch2: ZDC Adc Sum Th
Entries 626056
2603
649
5
4
2469
1008
17
12
75654
77608
78252
78253
75788
77249
78240
78245
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

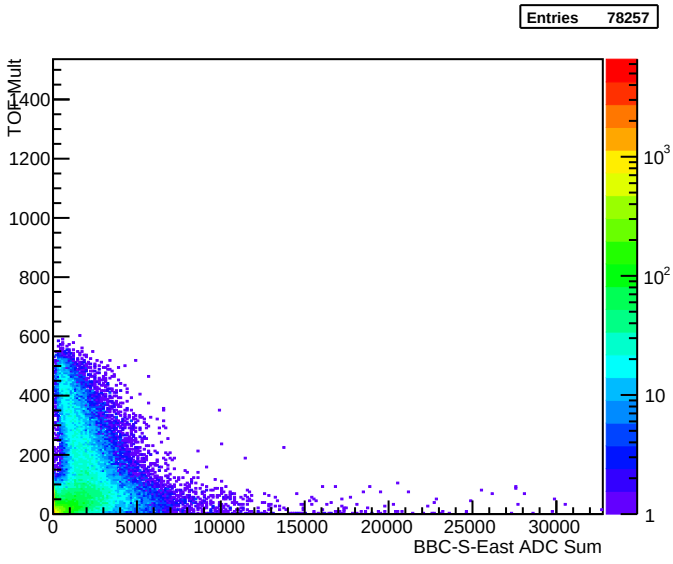

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

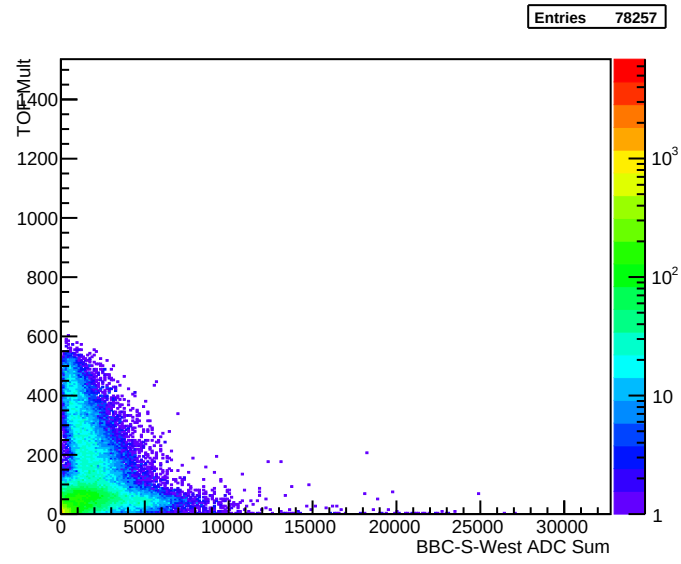

VT201 Input Ch4: VPD Tac Diff
Entries 78257
Tac

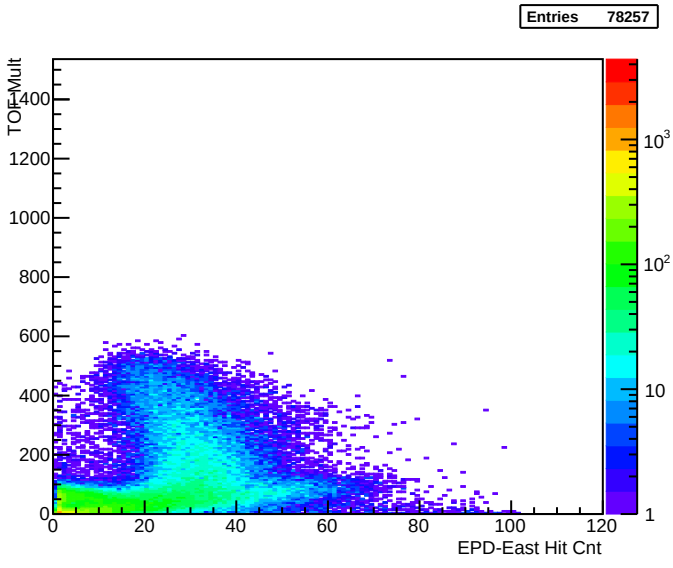

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

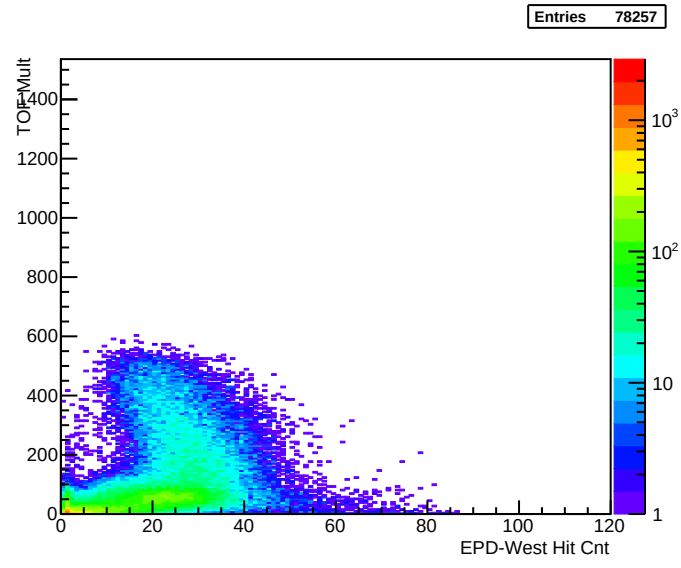

VT201 Input Ch4: VPD Adc Sum Th
Entries 156514
54327
63109
23930
15148
East
West

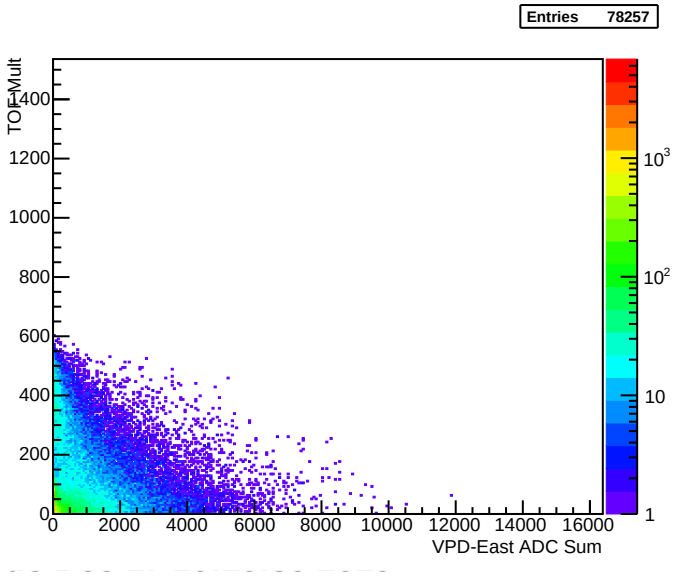

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

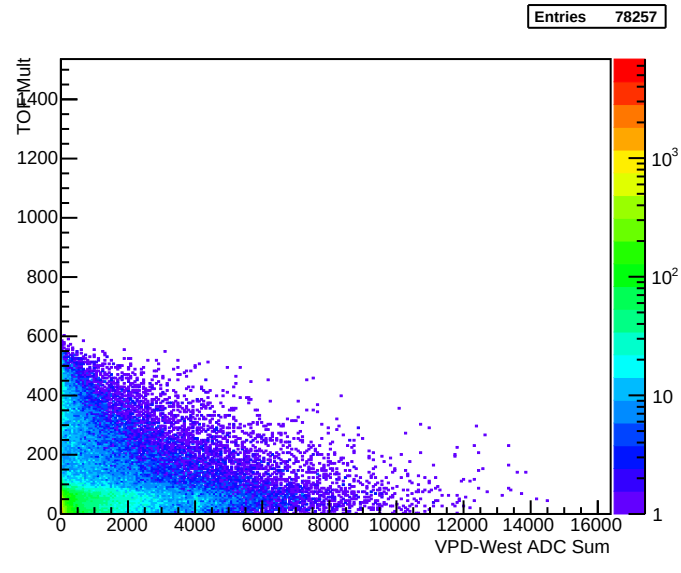

Entries 78257
TOF-Mult
BBC-S-East ADC Sum

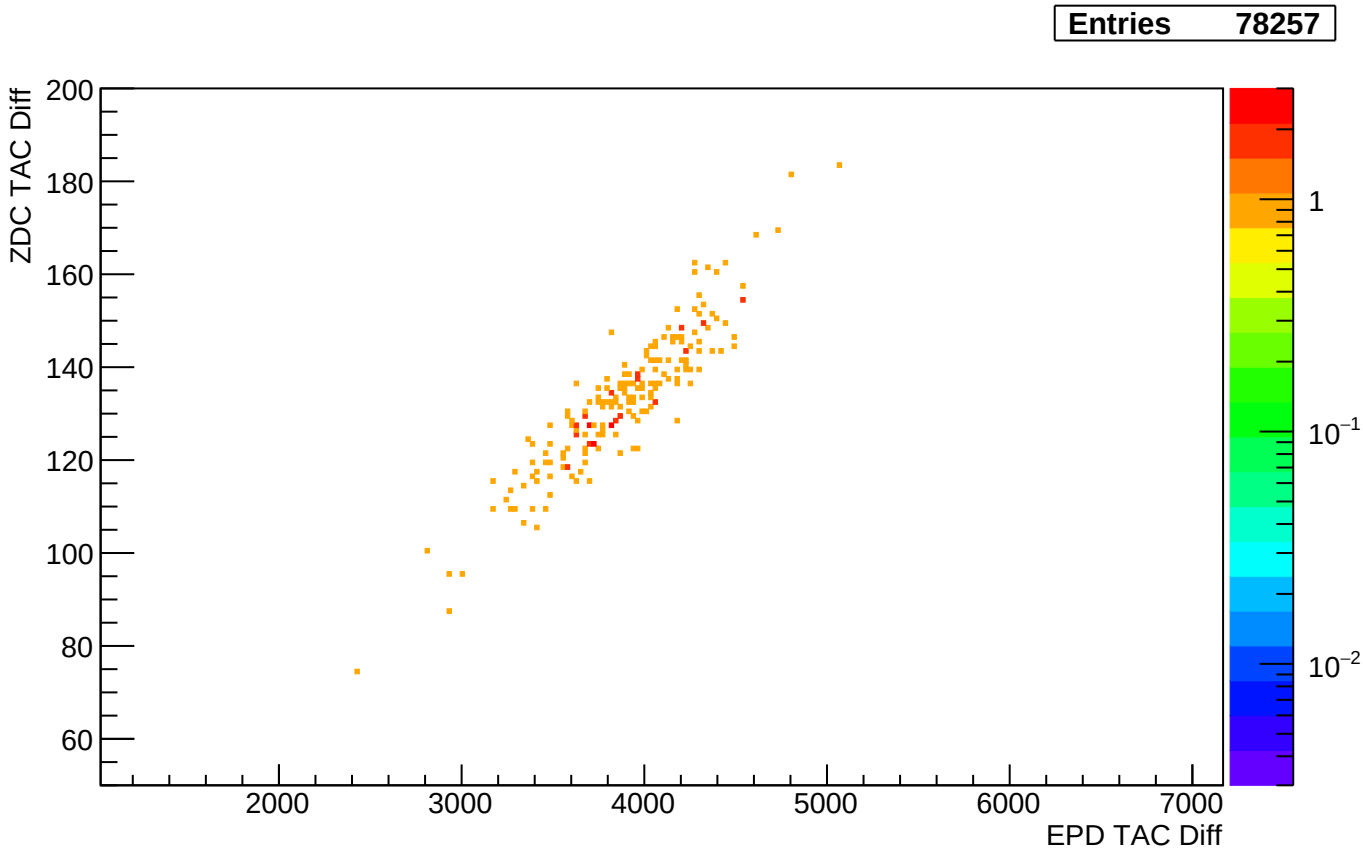

Entries 78257
TOF-Mult
BBC-S-West ADC Sum

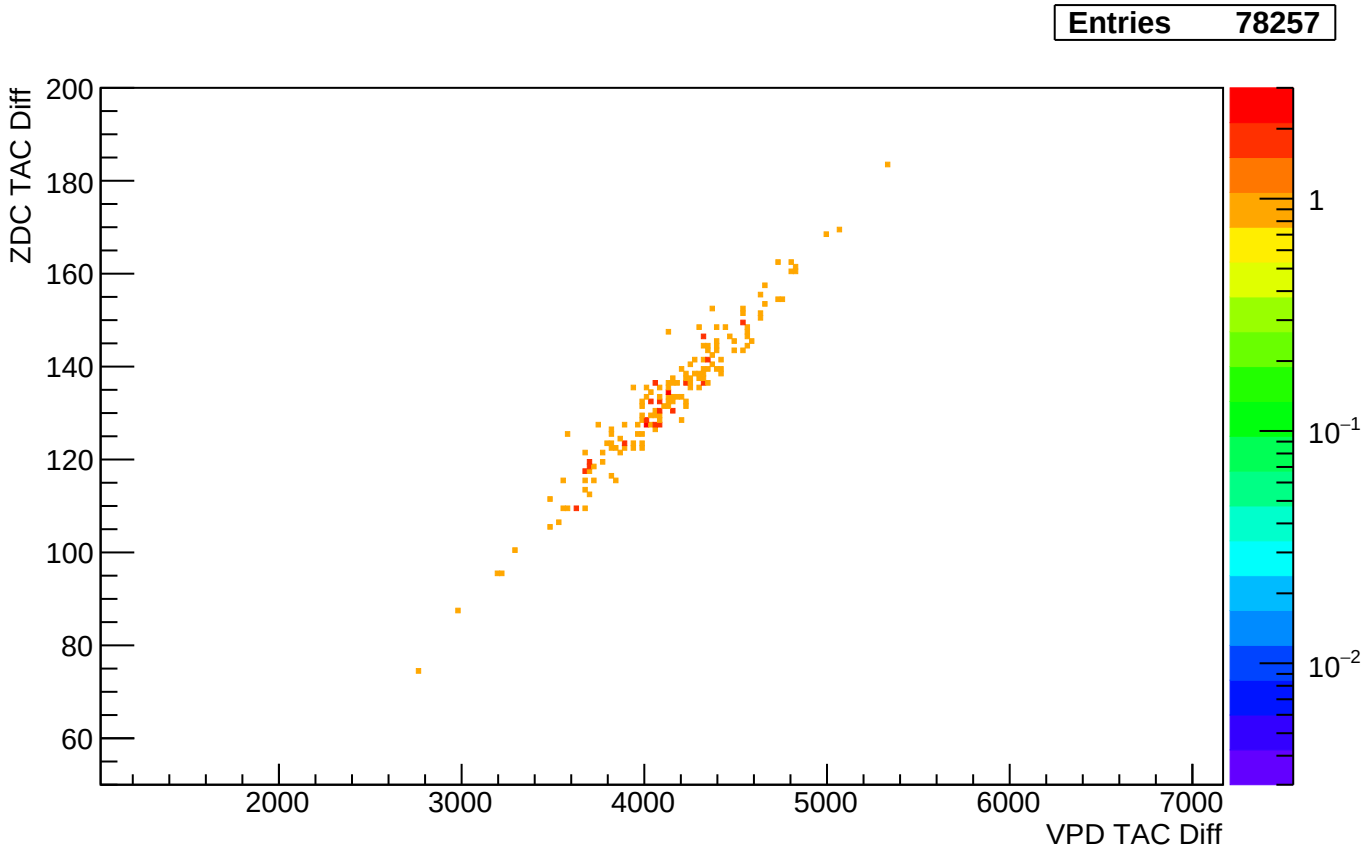

Entries 78257
TOF-Mult
EPD-East Hit Cnt

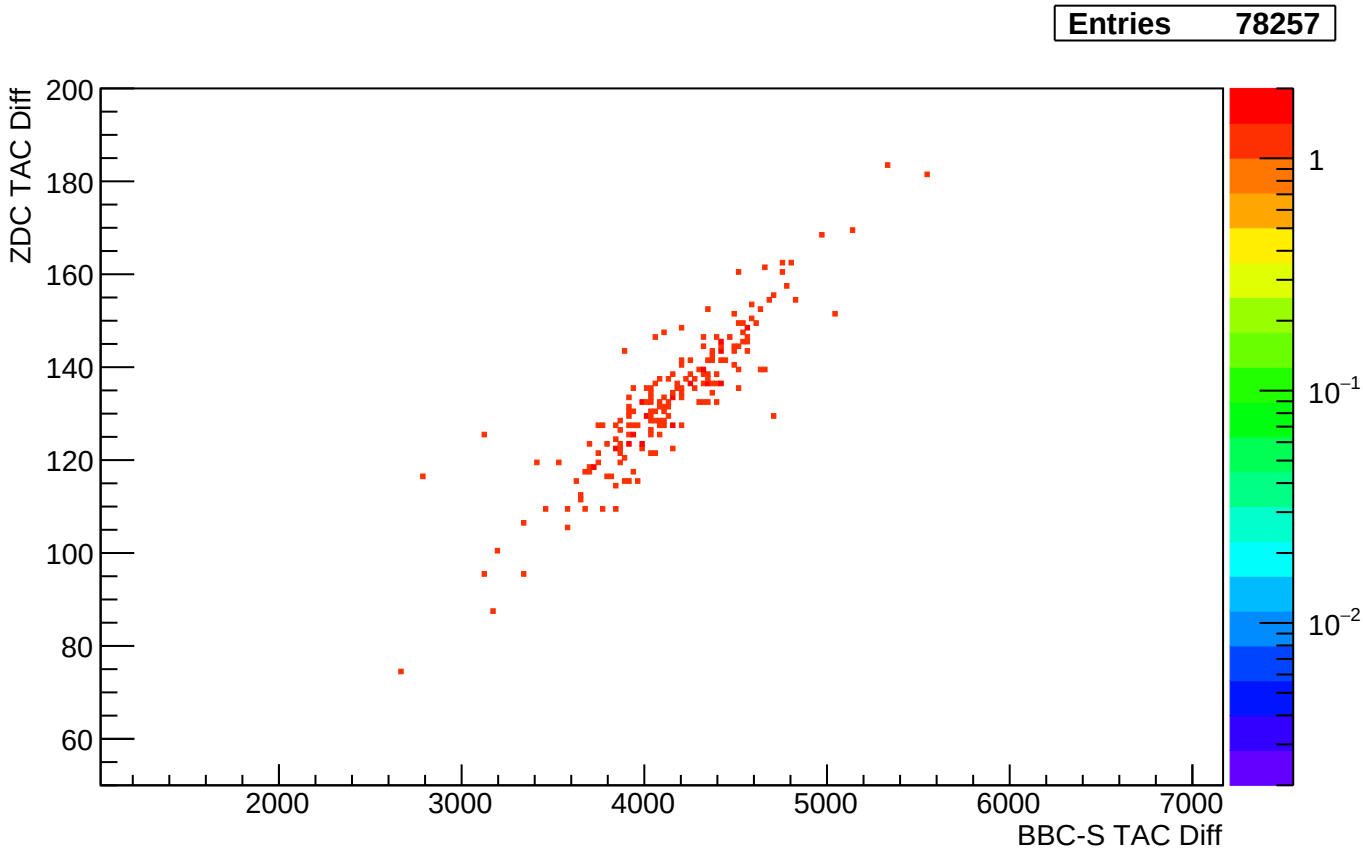

Entries 78257
TOF-Mult
EPD-West Hit Cnt

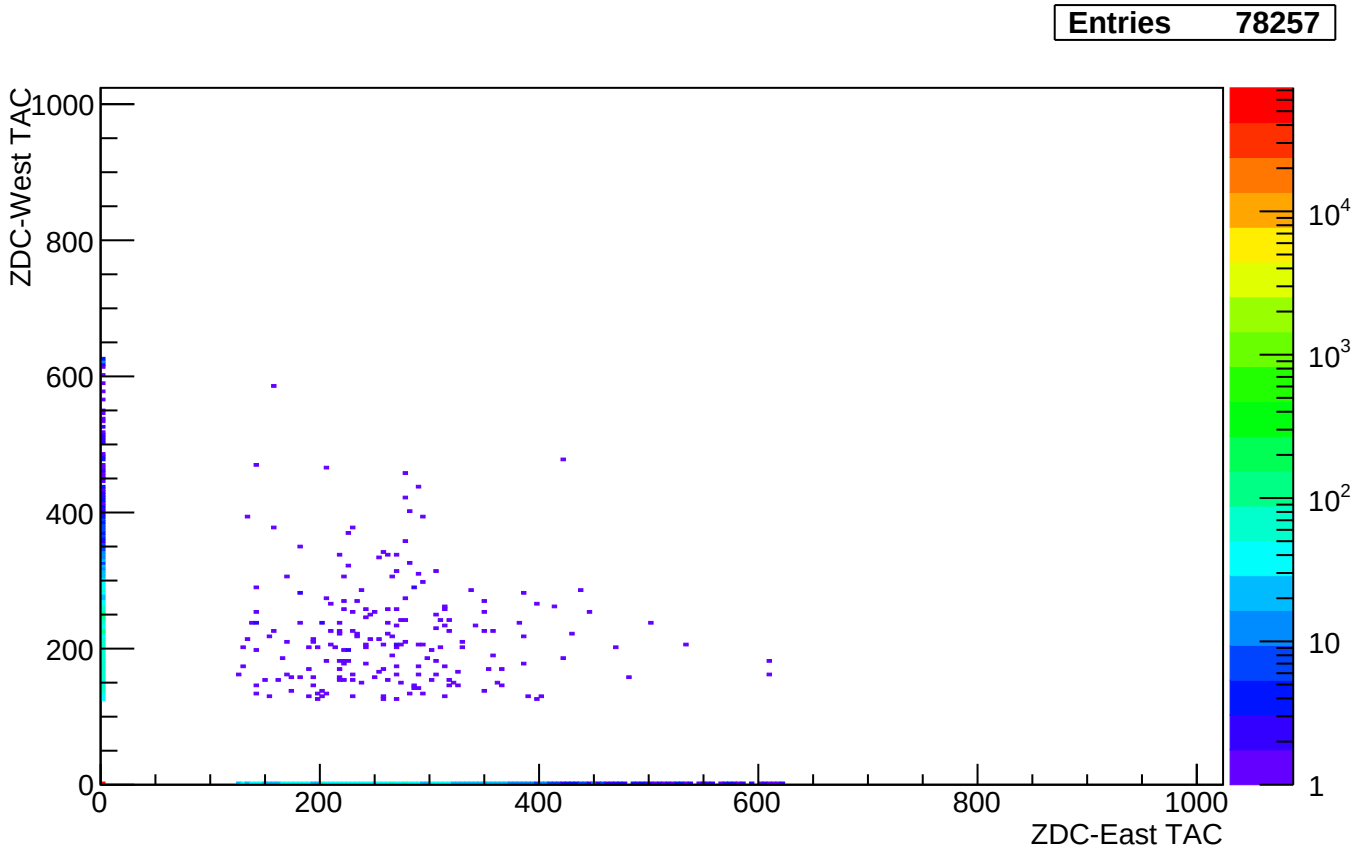

Entries 78257
TOF-Mult
VPD-East ADC Sum

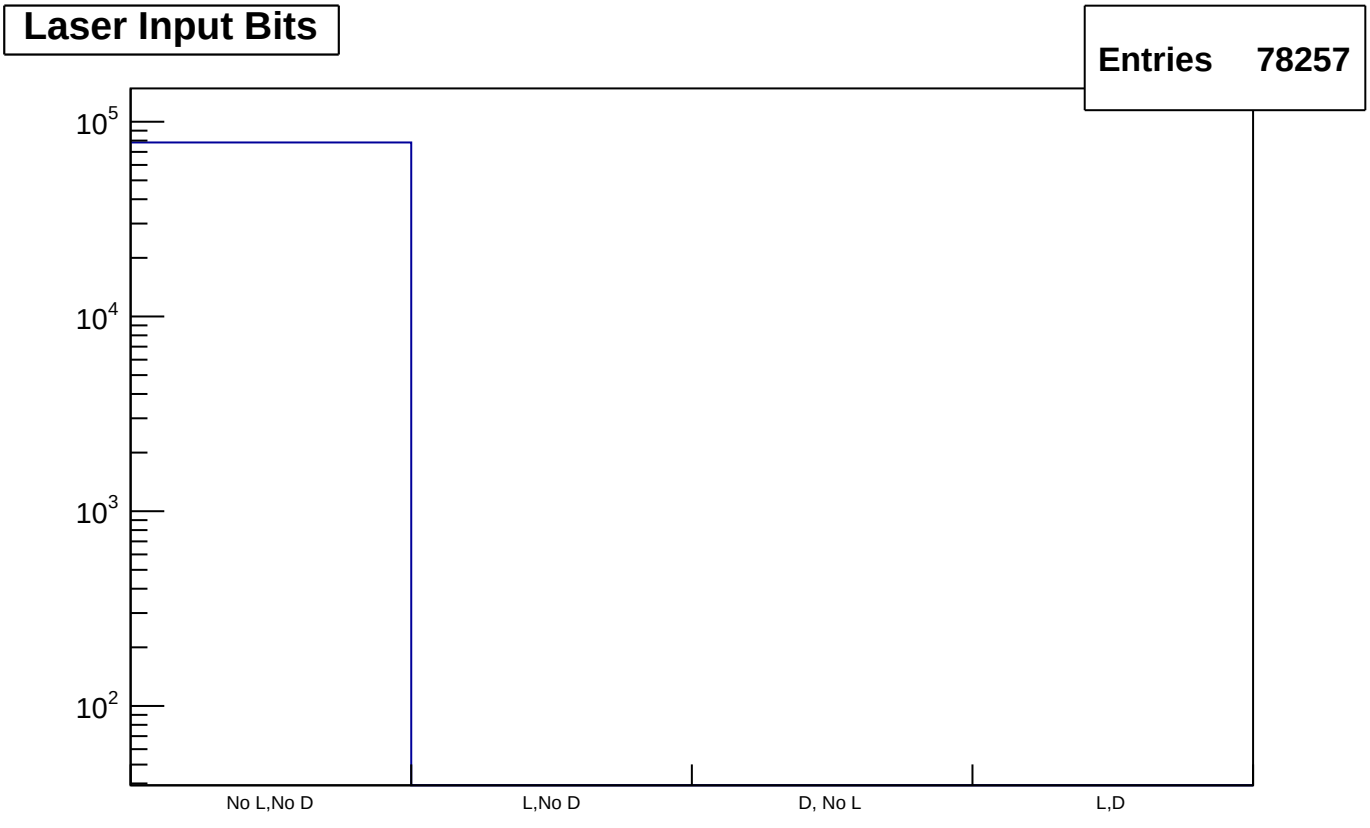

Entries 78257
TOF-Mult
VPD-West ADC Sum

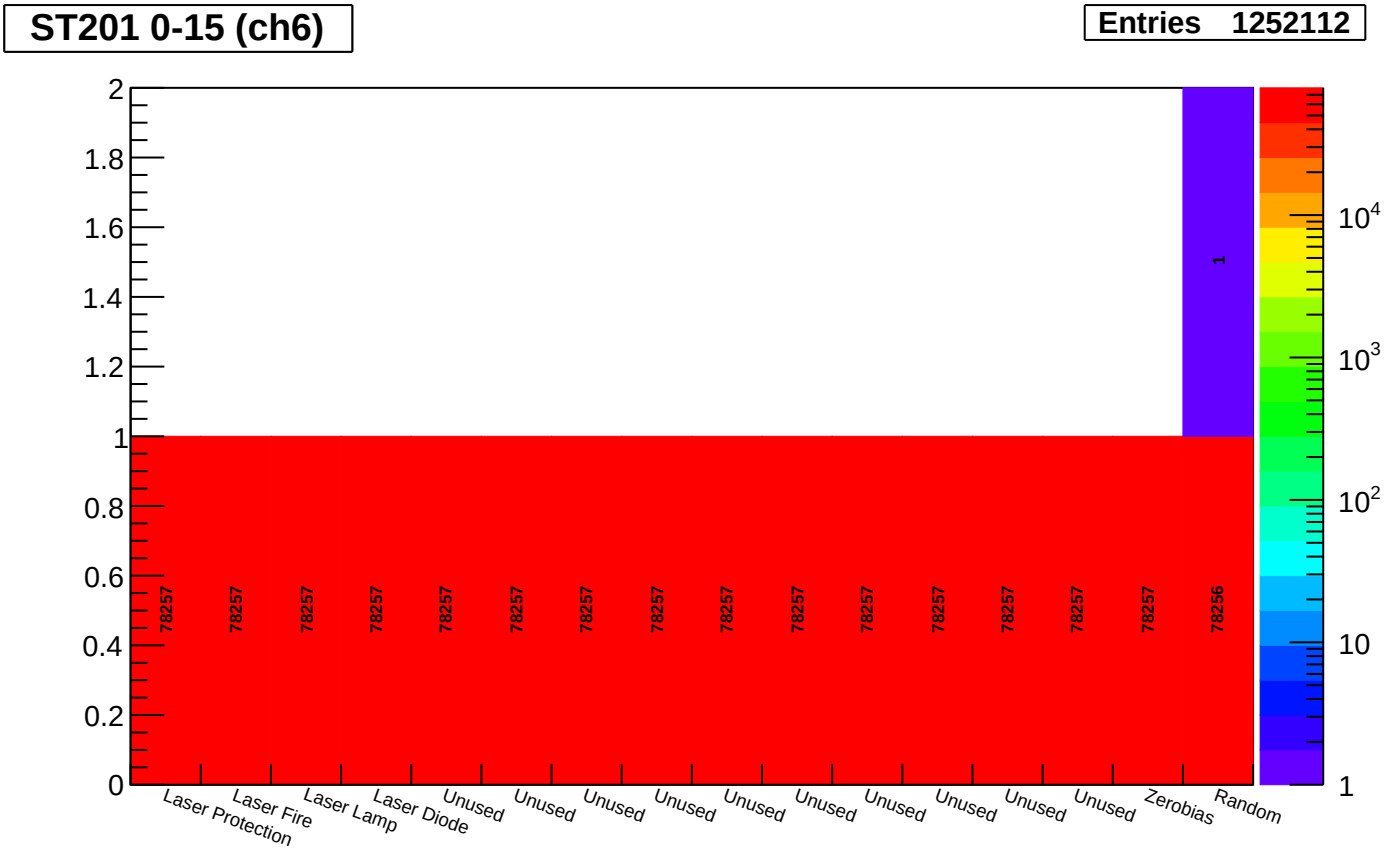

Entries 78257
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

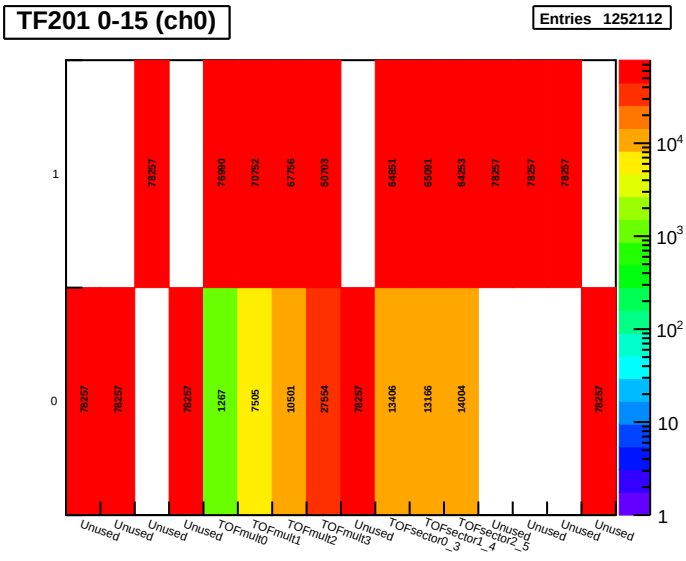

Entries 78257
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

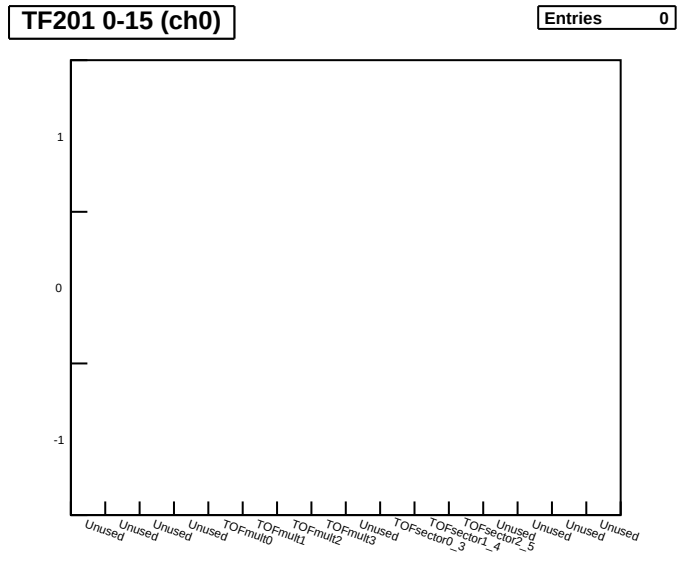

Entries 78257
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

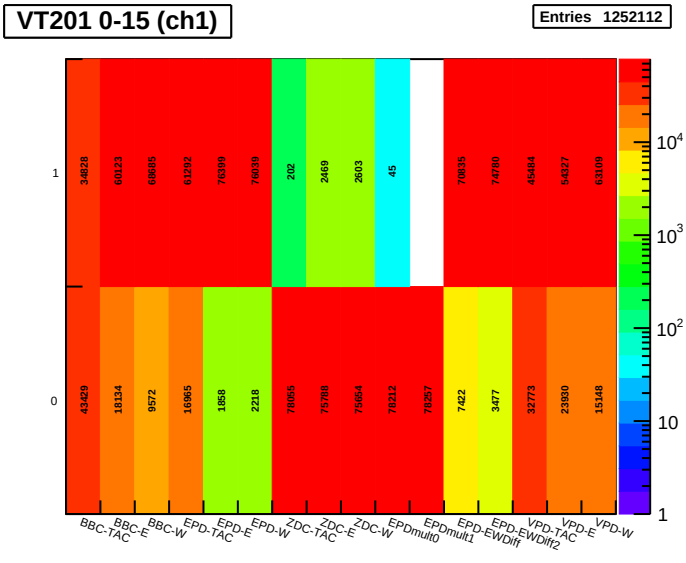

Entries 78257
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

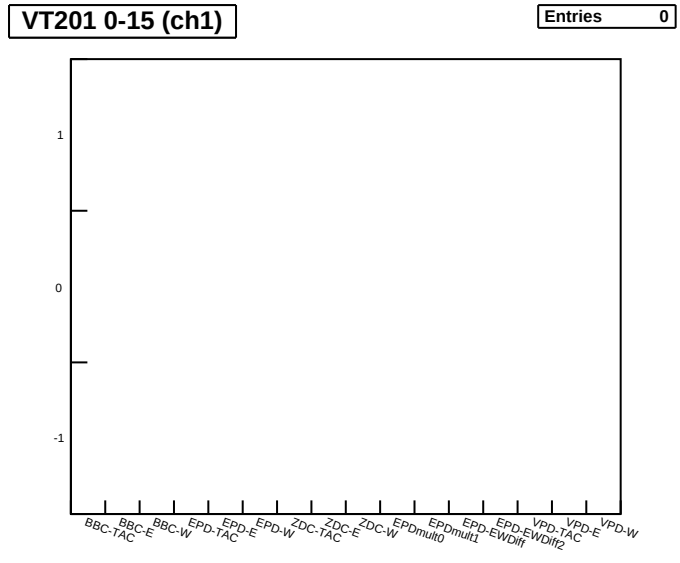

Laser Input Bits
Entries 78257
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

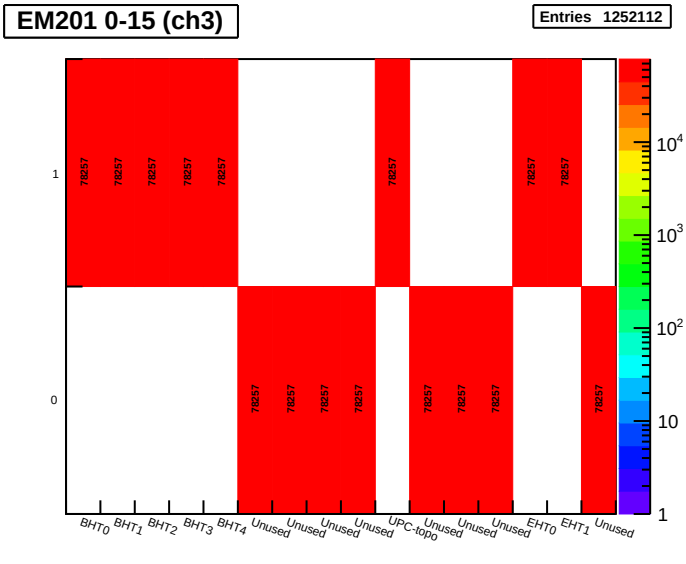

ST201 0-15 (ch6)
Entries 1252112
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
78257
78256
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

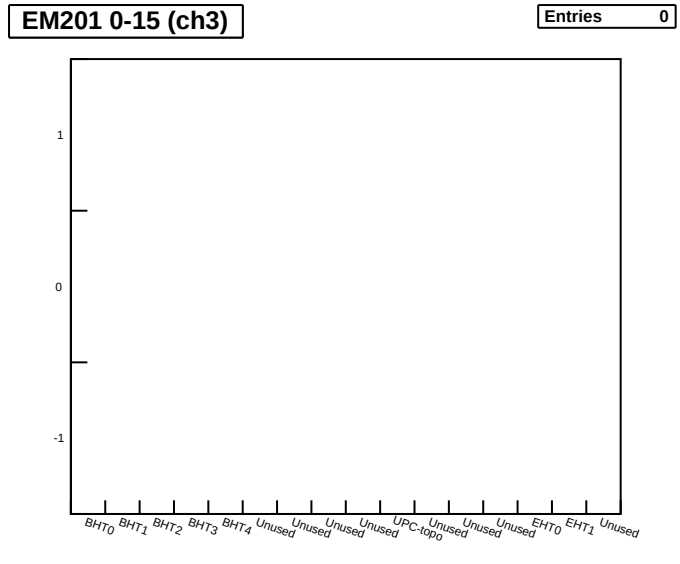

TF201 0-15 (ch0)
Entries 1252112
1
0
78257
76990
70752
67756
50703
64851
65091
64253
78257
78257
78257
78257
78257
1267
7505
10501
27554
78257
13406
13166
14004
78257
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 1252112
1
0
34828
60123
68685
61292
76399
76039
202
2469
2603
45
70835
74780
45484
54327
63109
43429
18134
9572
16965
1858
2218
78055
75788
75654
78212
78257
7422
3477
32773
23930
15148
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 1252112
1
0
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
78257
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