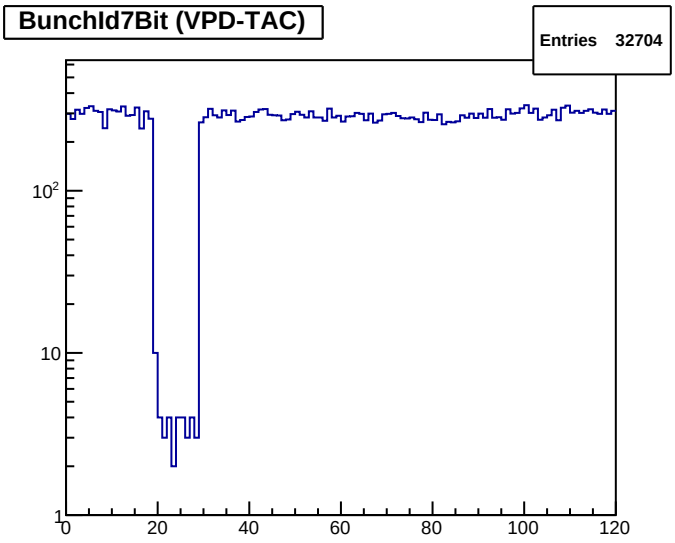
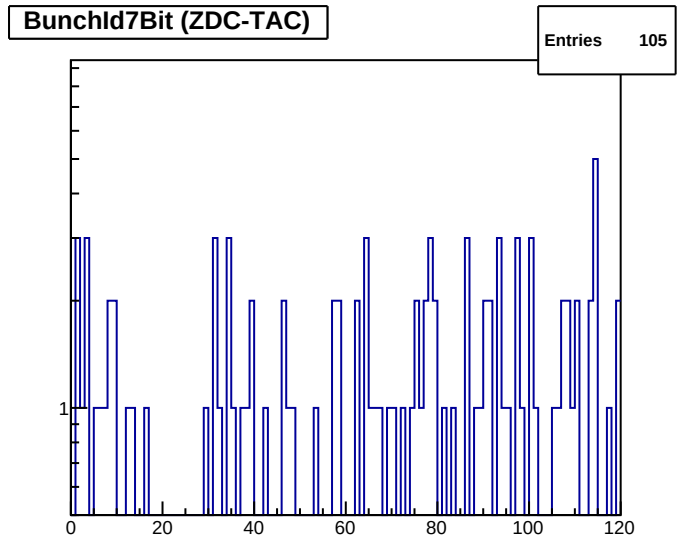
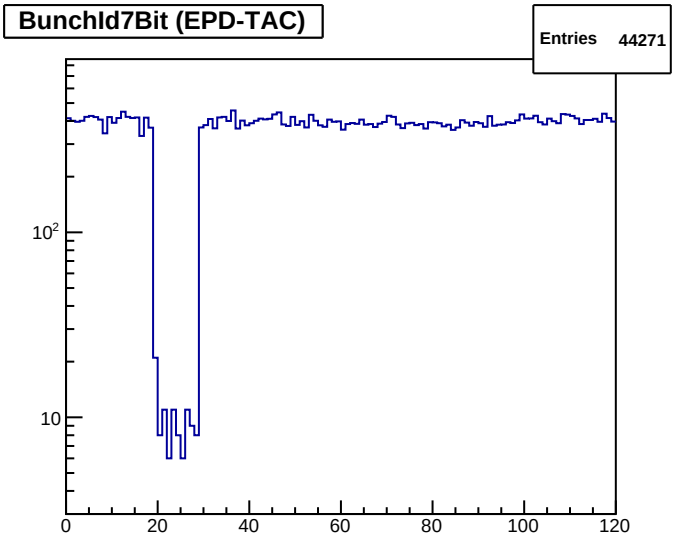
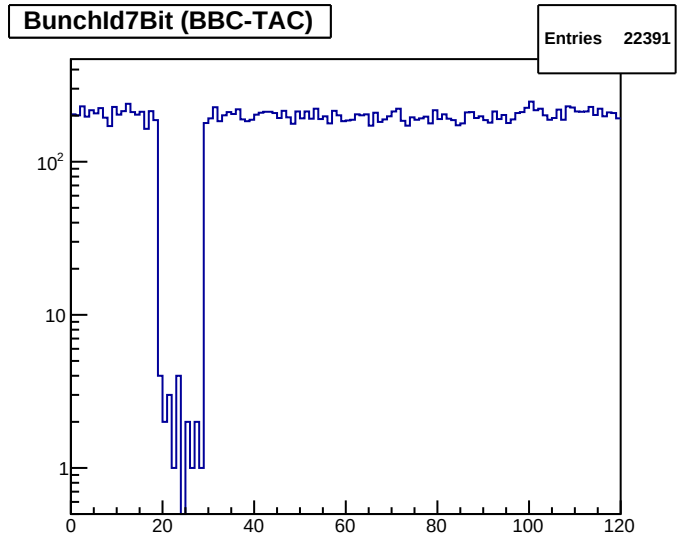
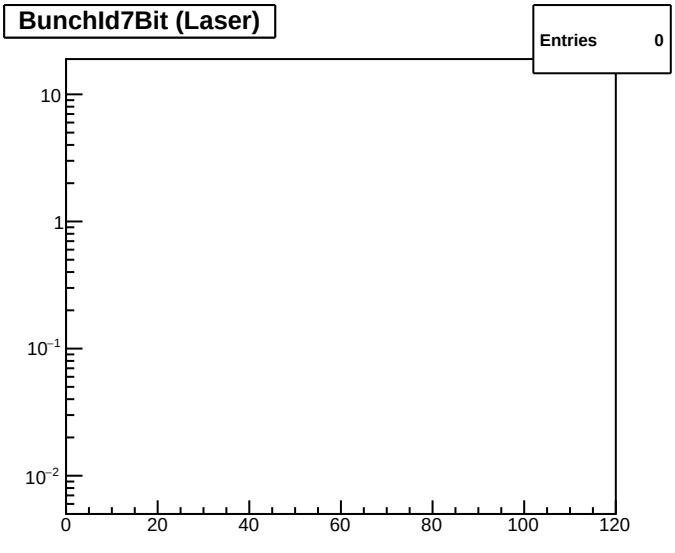
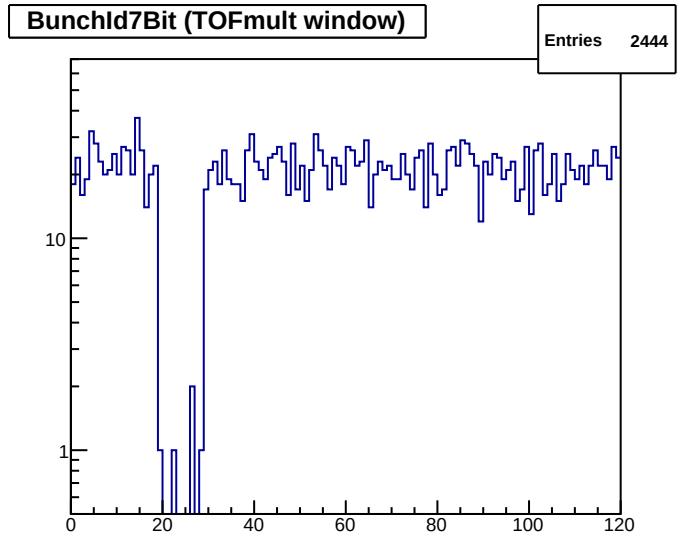

BunchId7Bit (VPD-TAC)
Entries 32704
10^2
10
1
0
20
40
60
80
100
120

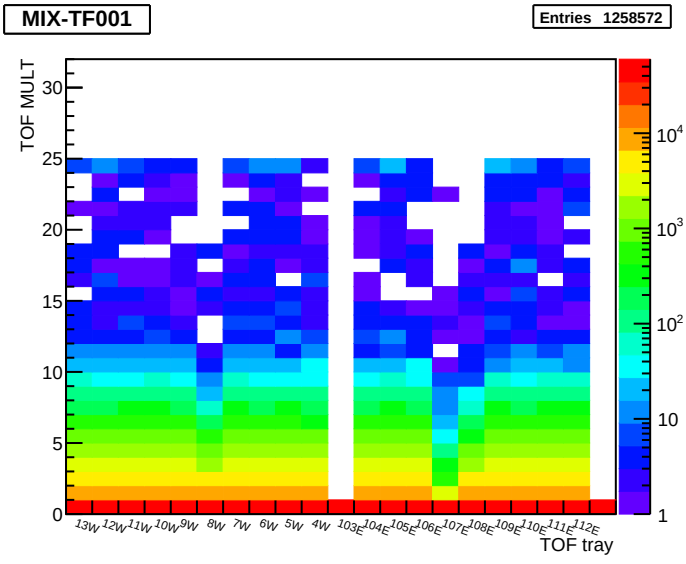

BunchId7Bit (ZDC-TAC)
Entries 105
1
0
20
40
60
80
100
120

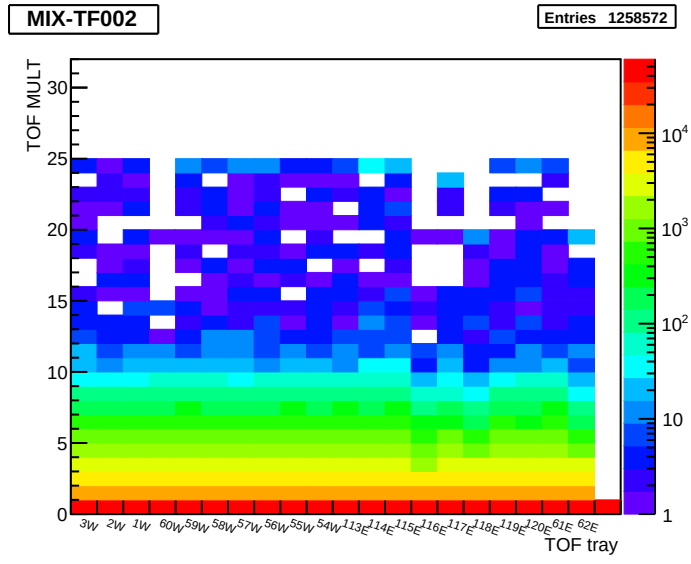

BunchId7Bit (EPD-TAC)
Entries 44271
10^2
10
0
20
40
60
80
100
120

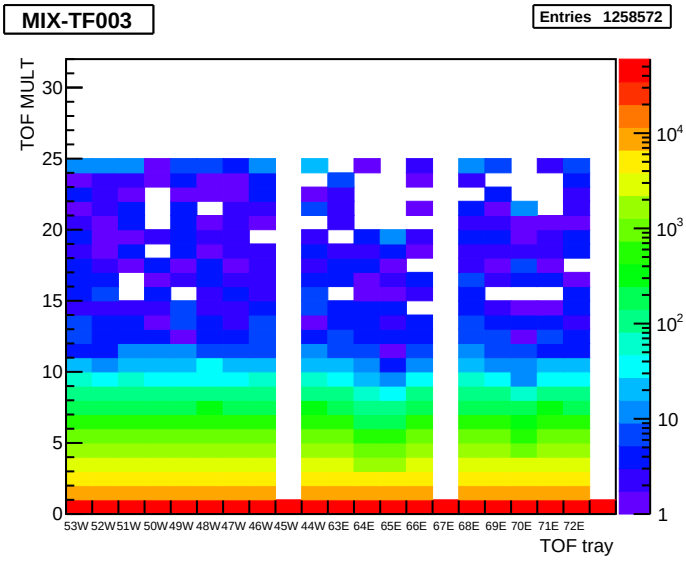

BunchId7Bit (BBC-TAC)
Entries 22391
10^2
10
1
0
20
40
60
80
100
120

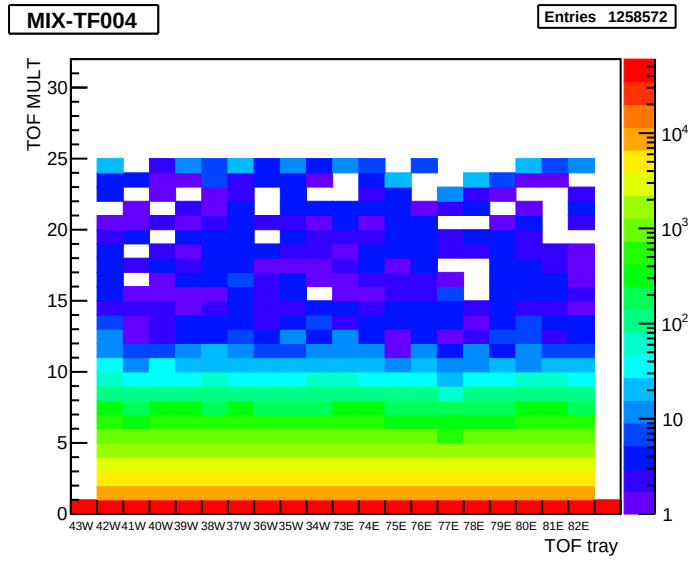

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

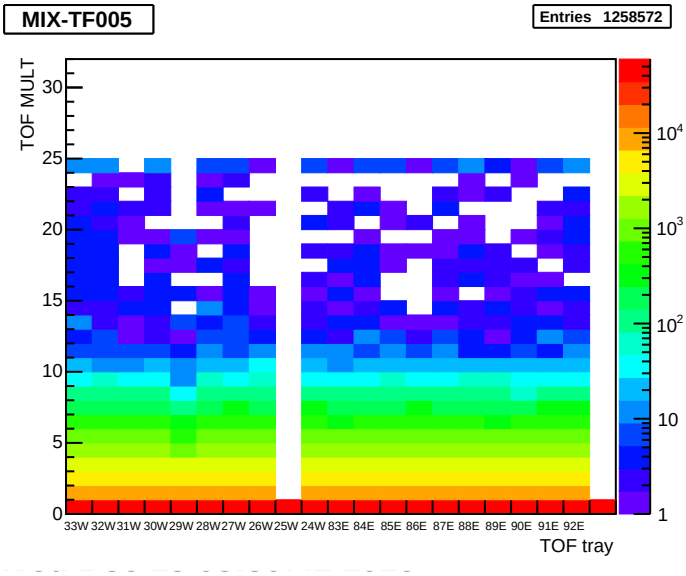

BunchId7Bit (TOFmult window)
Entries 2444
10
1
0
20
40
60
80
100
120

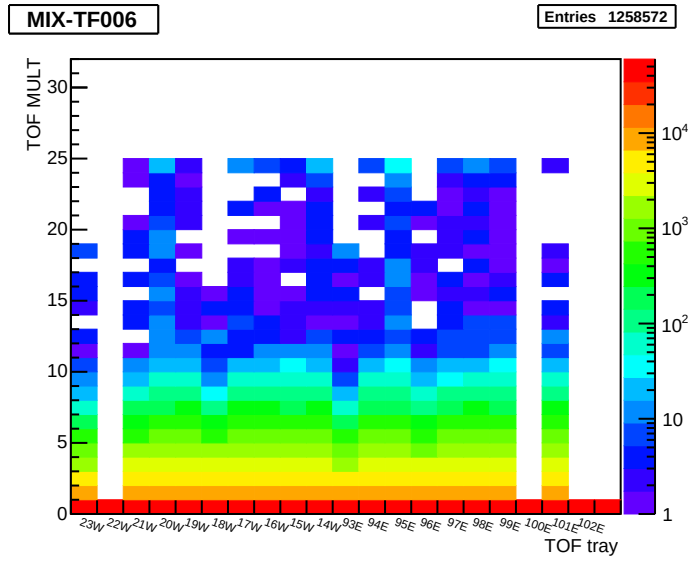

MIX-TF001
Entries 1258572
TOF MULT
TOF tray

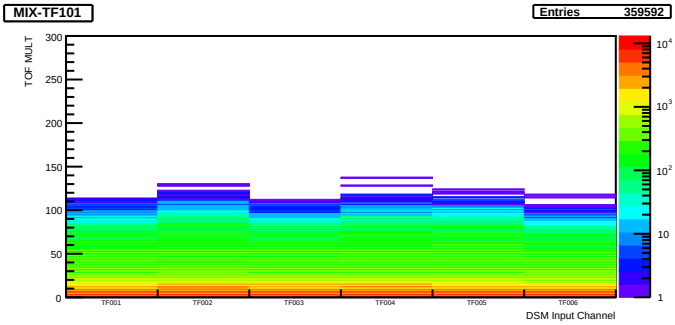

MIX-TF002
Entries 1258572
TOF MULT
TOF tray

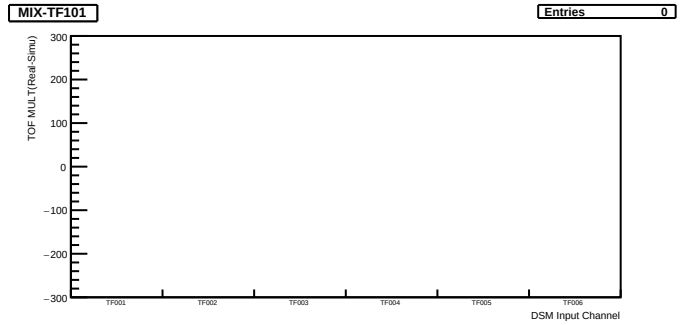

MIX-TF003
Entries 1258572
TOF MULT
TOF tray

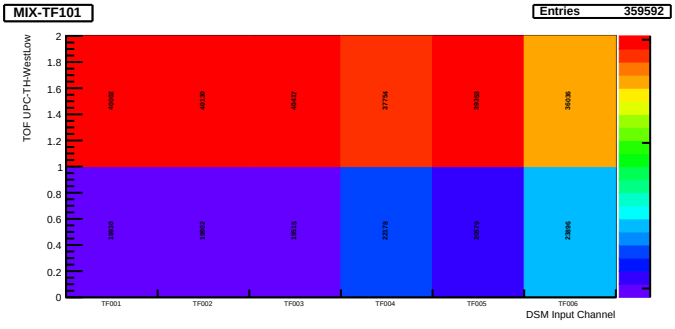

MIX-TF004
Entries 1258572
TOF MULT
TOF tray

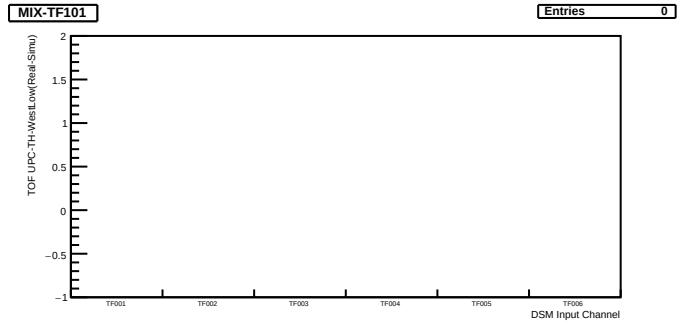

MIX-TF005
Entries 1258572
TOF MULT
TOF tray

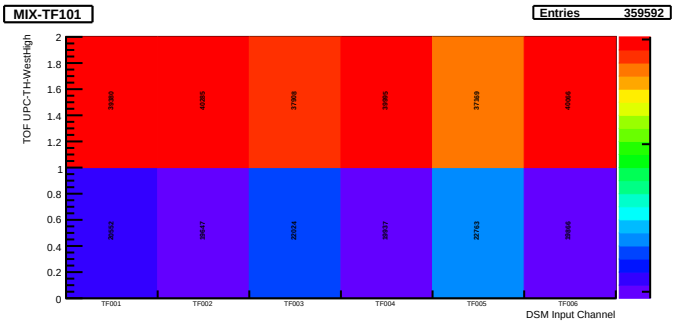

MIX-TF006
Entries 1258572
TOF MULT
TOF tray

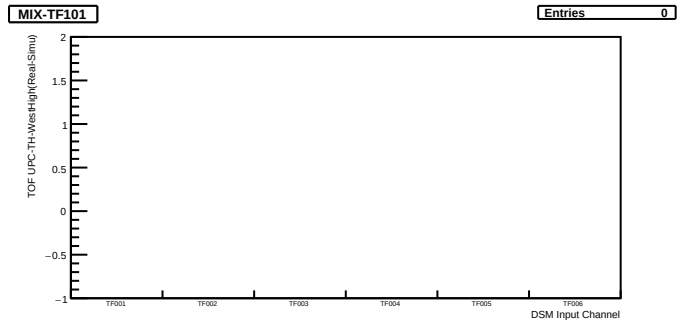

MIX-TF101
Entries 359592
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

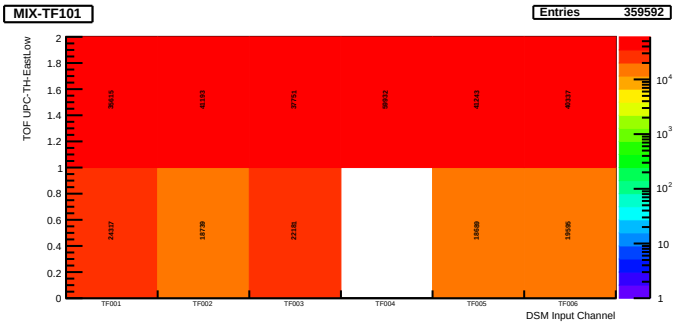

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

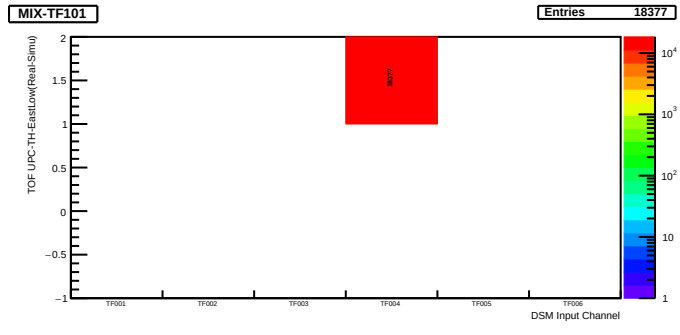

MIX-TF101
Entries 359592
TOF UPC-TH-WestLow
40062
40130
40417
37754
39353
34636
39930
39802
39535
22178
35979
23896
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

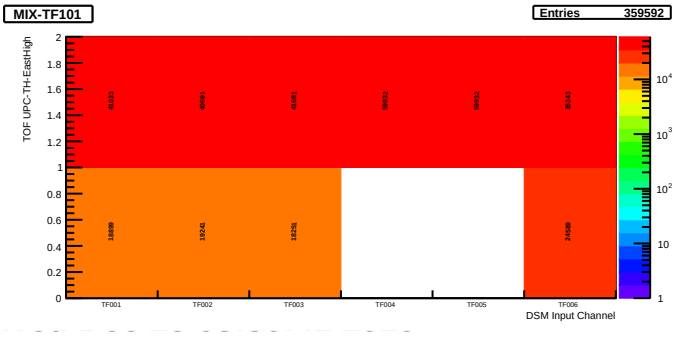

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

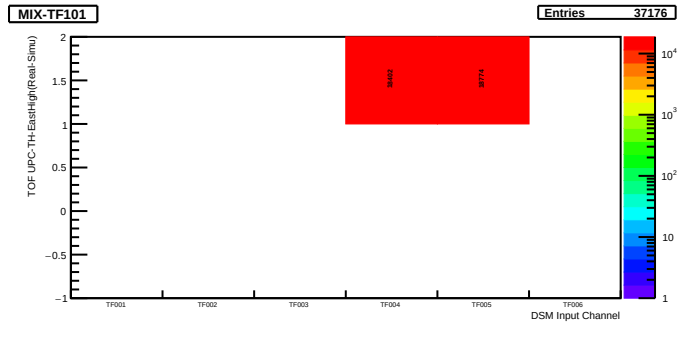

MIX-TF101
Entries 359592
TOF UPC-TH-WestHigh
39980
40285
37898
39895
37389
40066
20062
39647
20024
39937
22763
39866
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

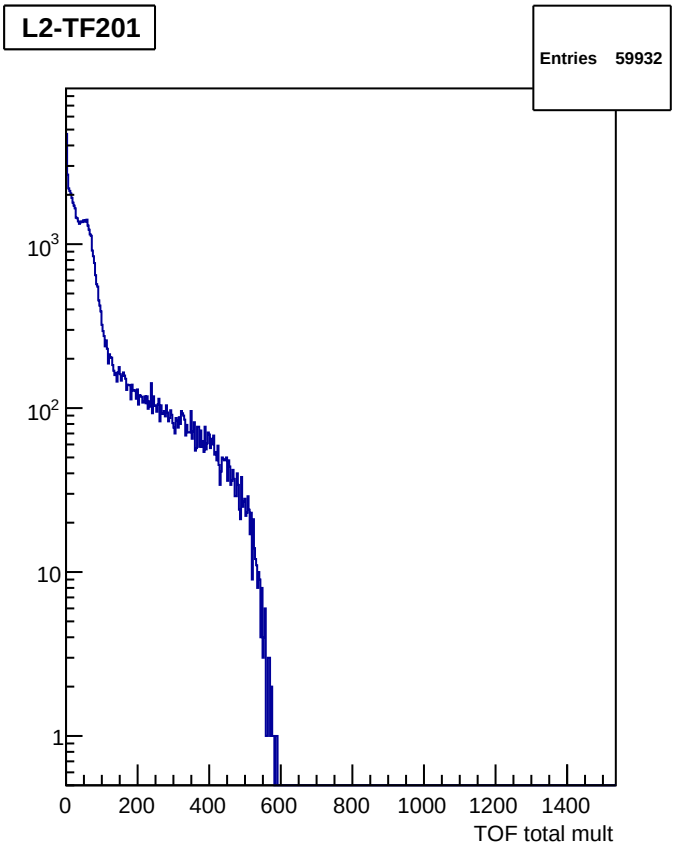

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

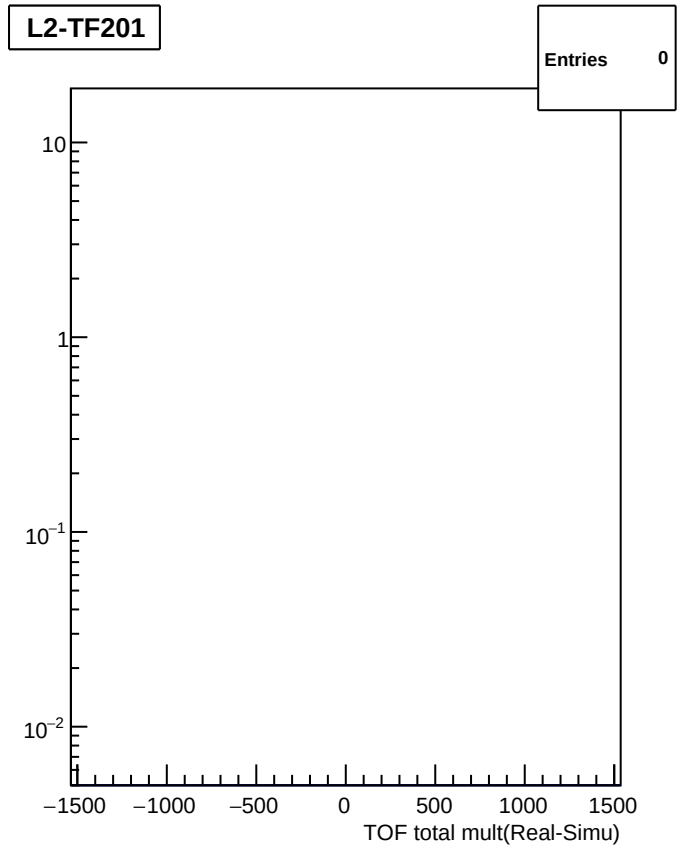

MIX-TF101
Entries 359592
TOF UPC-TH-EastLow
35615
41193
37751
59532
41343
40327
24317
18739
22181
18689
15595
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

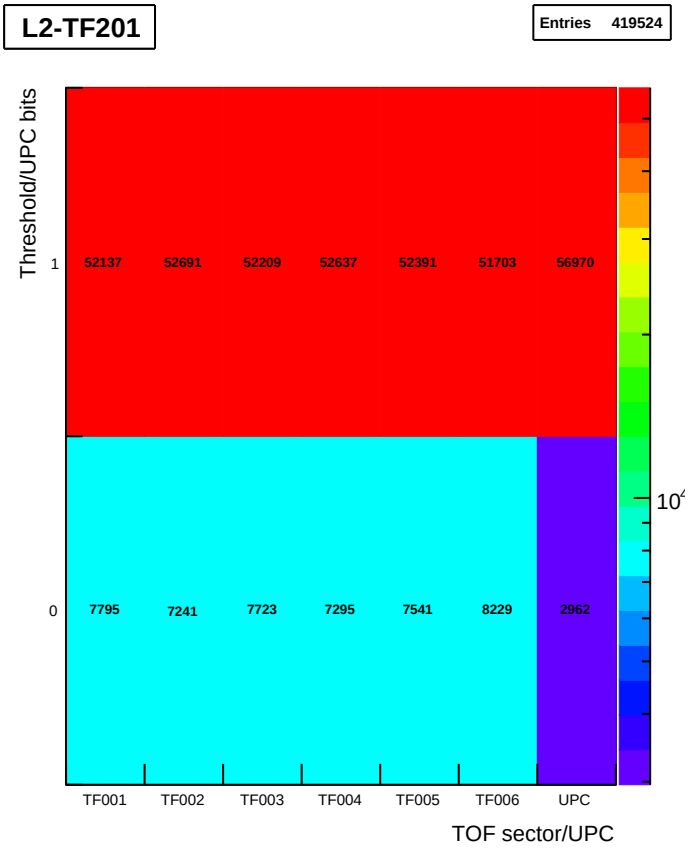

MIX-TF101
Entries 18377
TOF UPC-TH-EastLow(Real-Simu)
18377
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

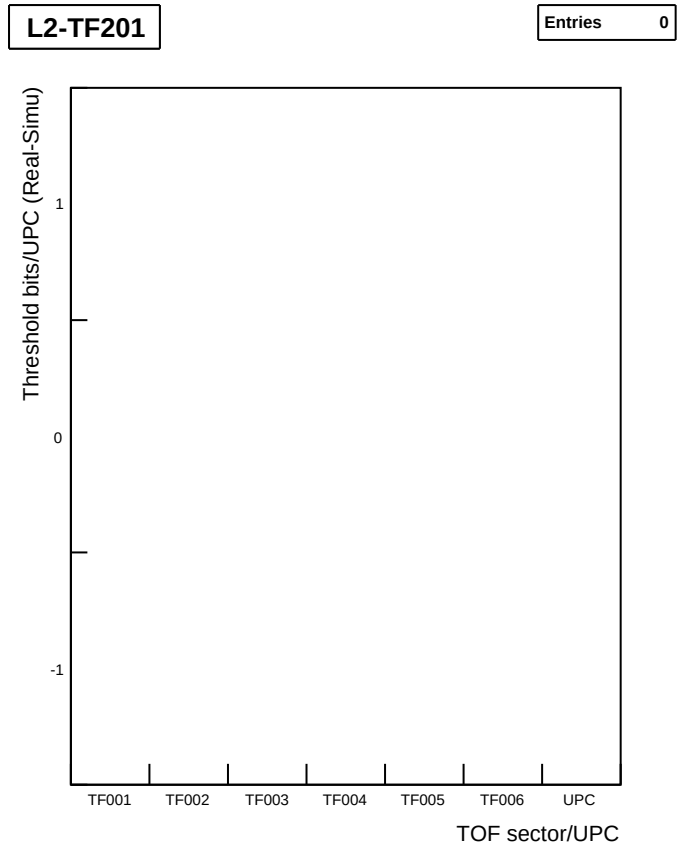

MIX-TF101
Entries 359592
TOF UPC-TH-EastHigh
41033
40491
41481
59532
59532
35343
18689
18241
18258
24589
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

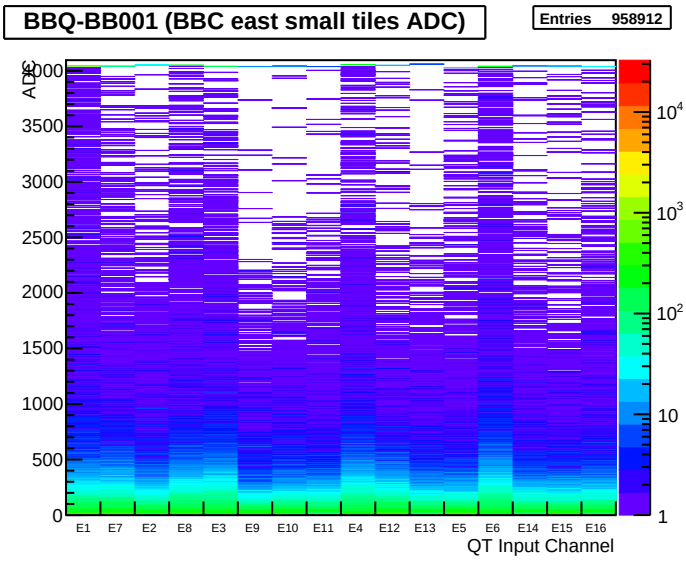

MIX-TF101
Entries 37176
TOF UPC-TH-EastHigh(Real-Simu)
36402
37774
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

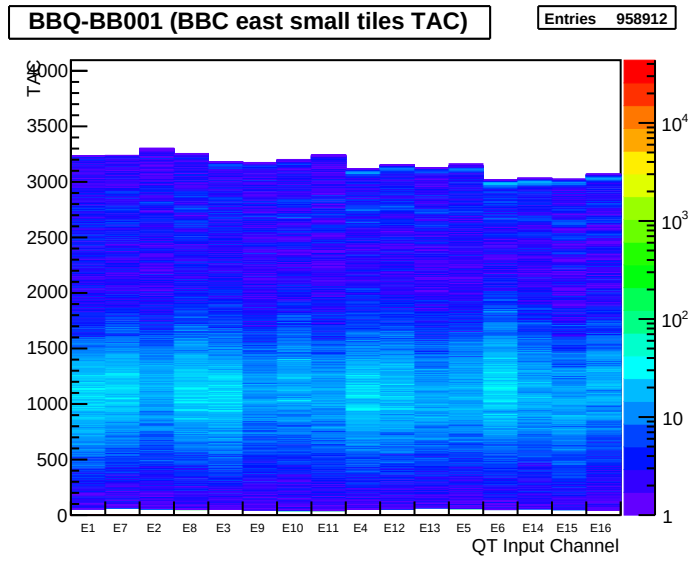

L2-TF201
Entries 59932
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

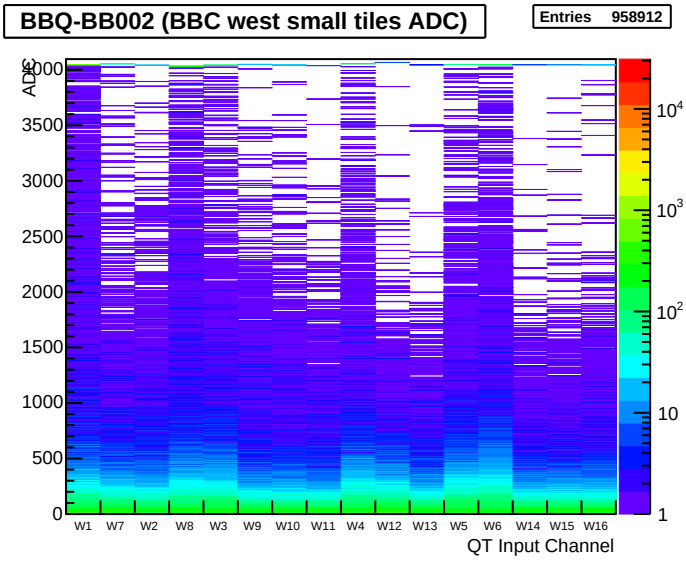

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

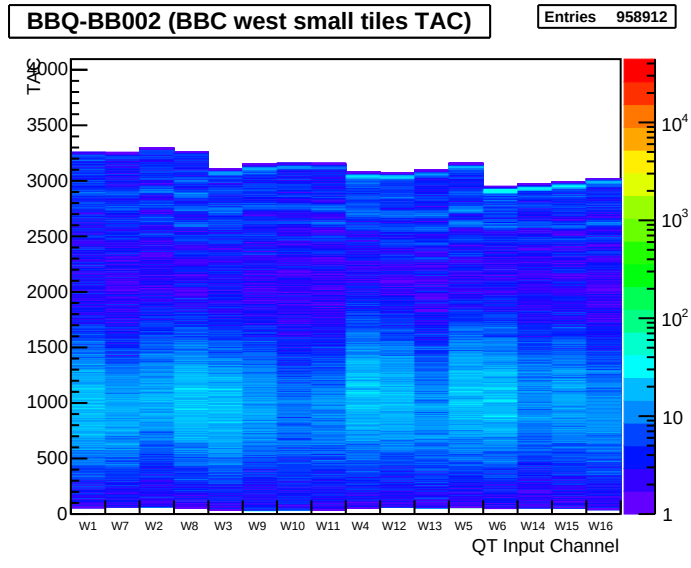

L2-TF201
Entries 419524
Threshold/UPC bits
1
0
52137
52691
52209
52637
52391
51703
56970
7795
7241
7723
7295
7541
8229
2962
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

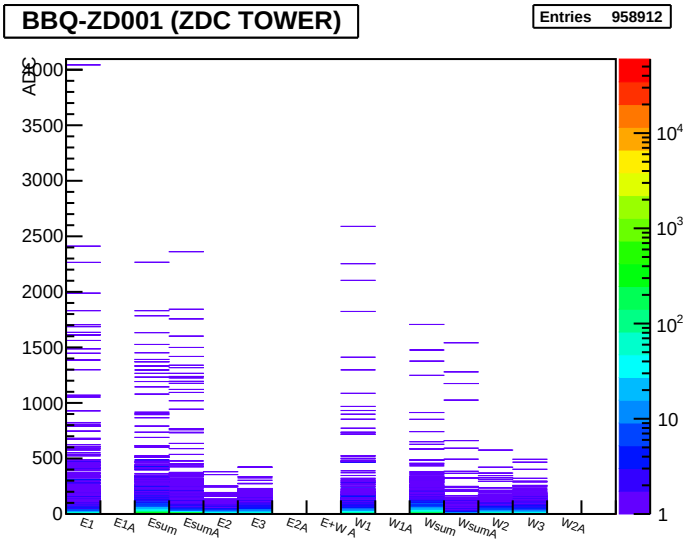

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

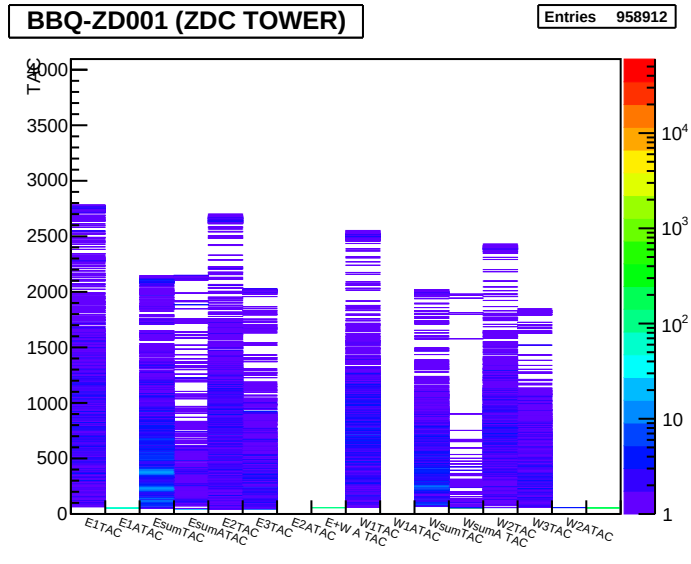

BBQ-BB001 (BBC east small tiles ADC)
Entries 958912
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

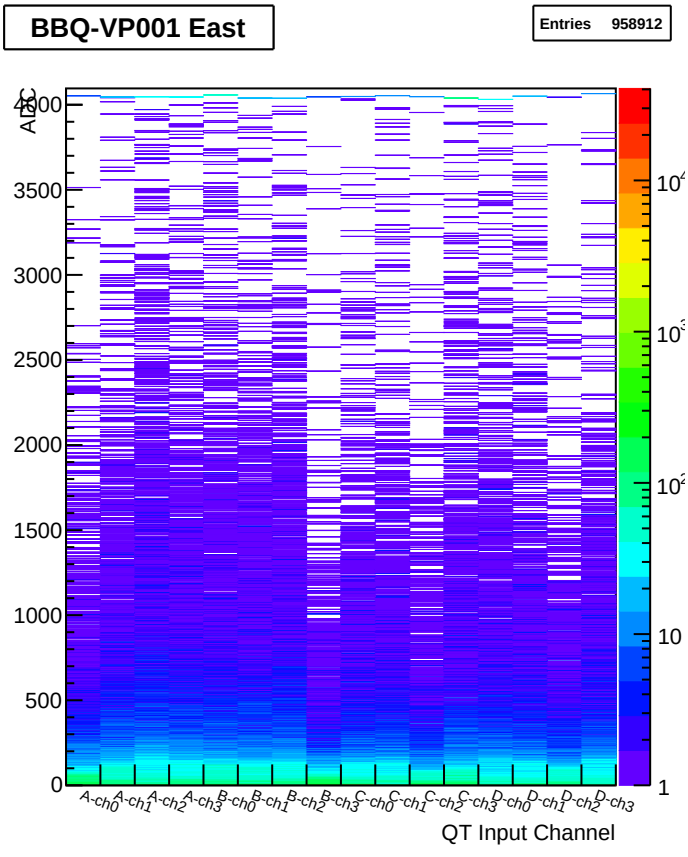

BBQ-BB001 (BBC east small tiles TAC)
Entries 958912
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

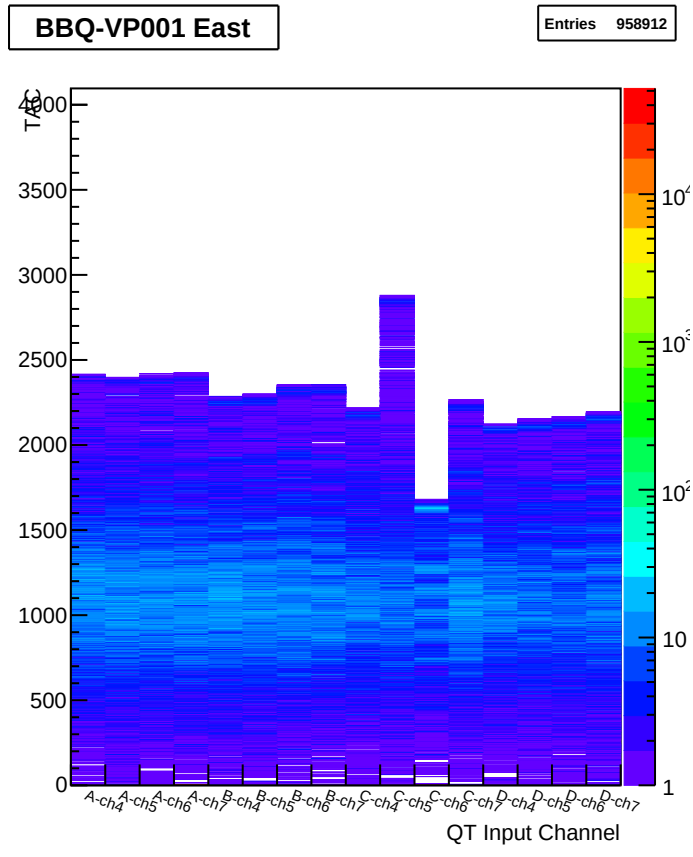

BBQ-BB002 (BBC west small tiles ADC)
Entries 958912
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

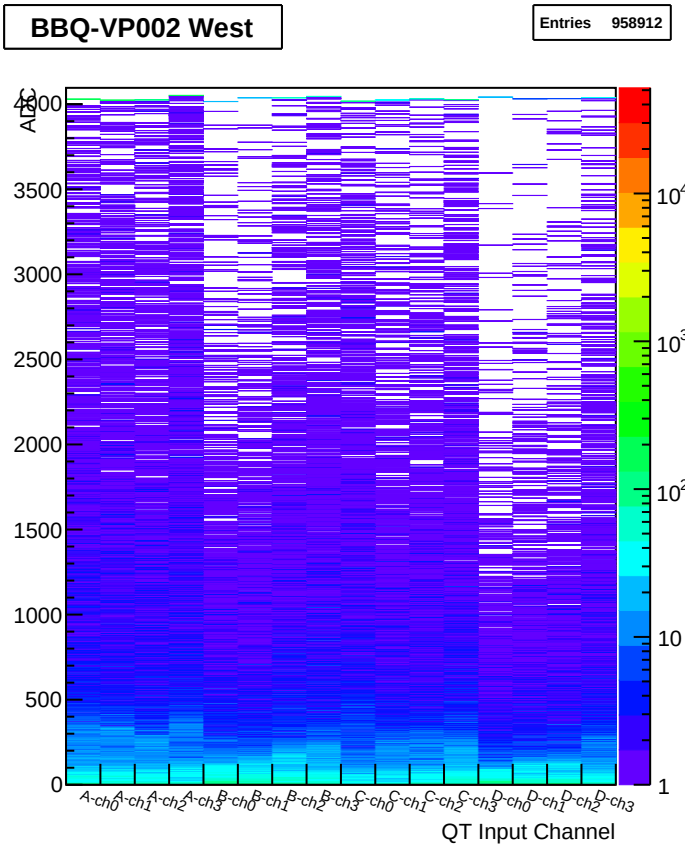

BBQ-BB002 (BBC west small tiles TAC)
Entries 958912
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

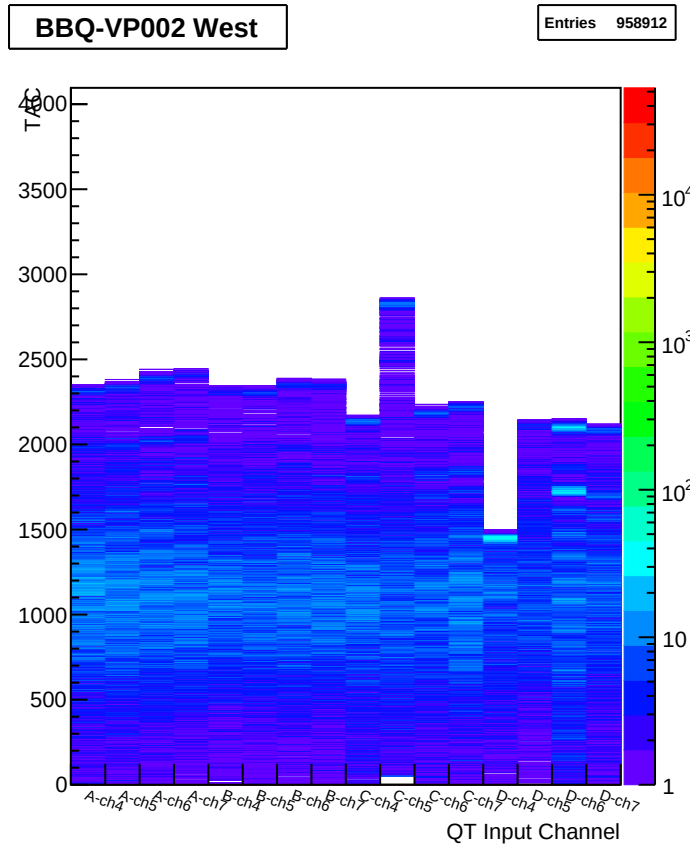

BBQ-ZD001 (ZDC TOWER)
Entries 958912
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

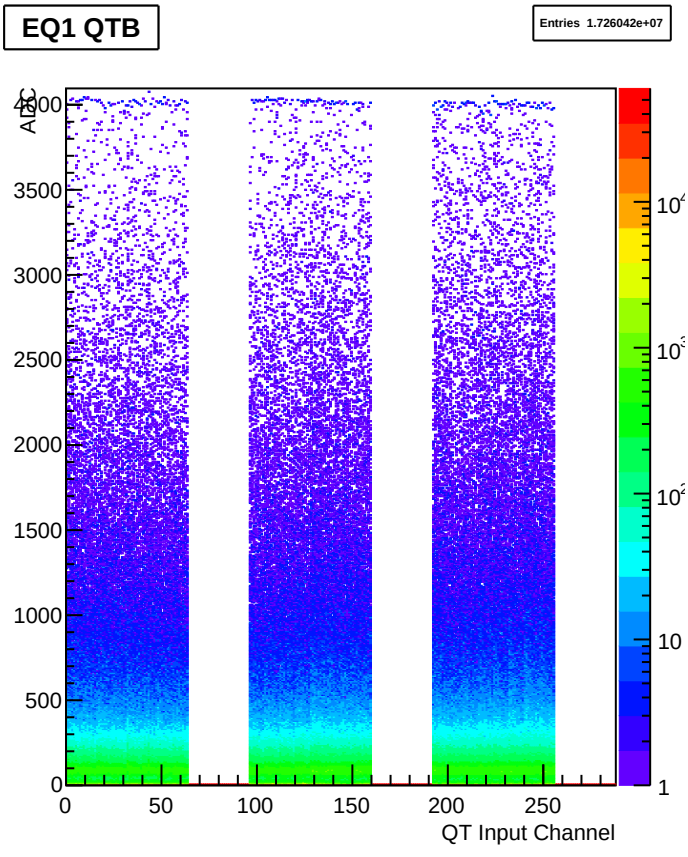

BBQ-ZD001 (ZDC TOWER)
Entries 958912
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

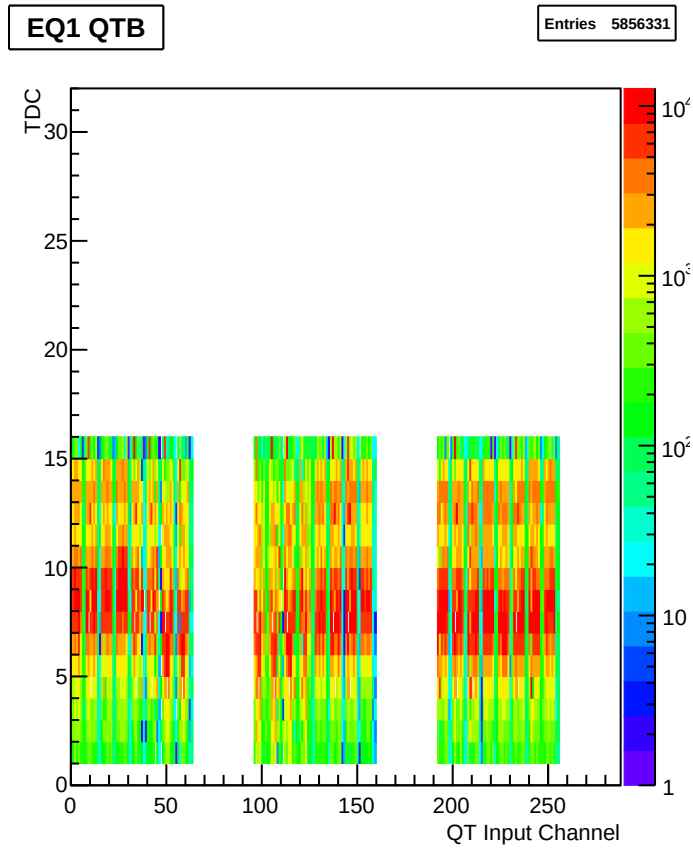

BBQ-VP001 East
Entries 958912
ADC
QT Input Channel

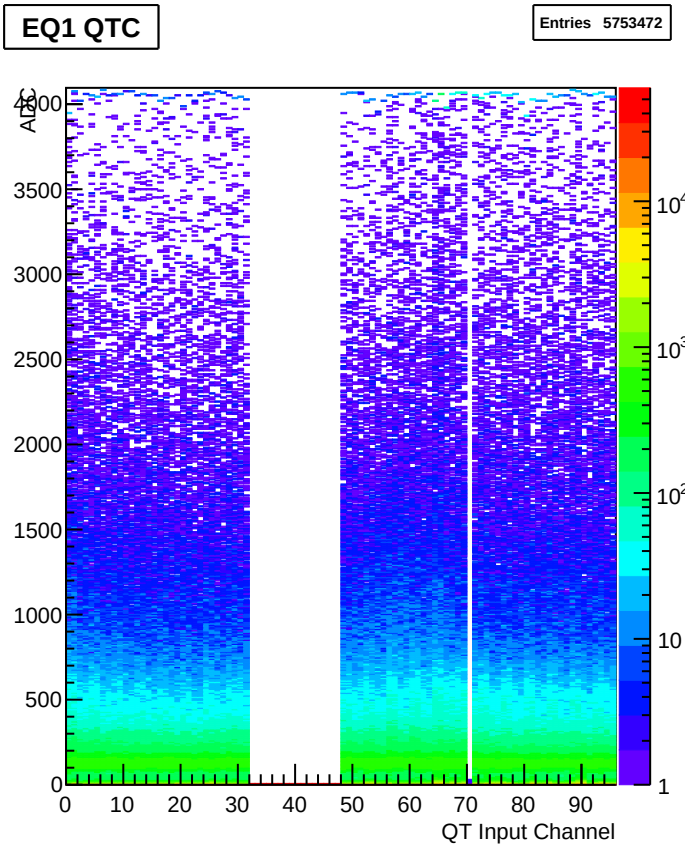

BBQ-VP001 East
Entries 958912
TADC
QT Input Channel

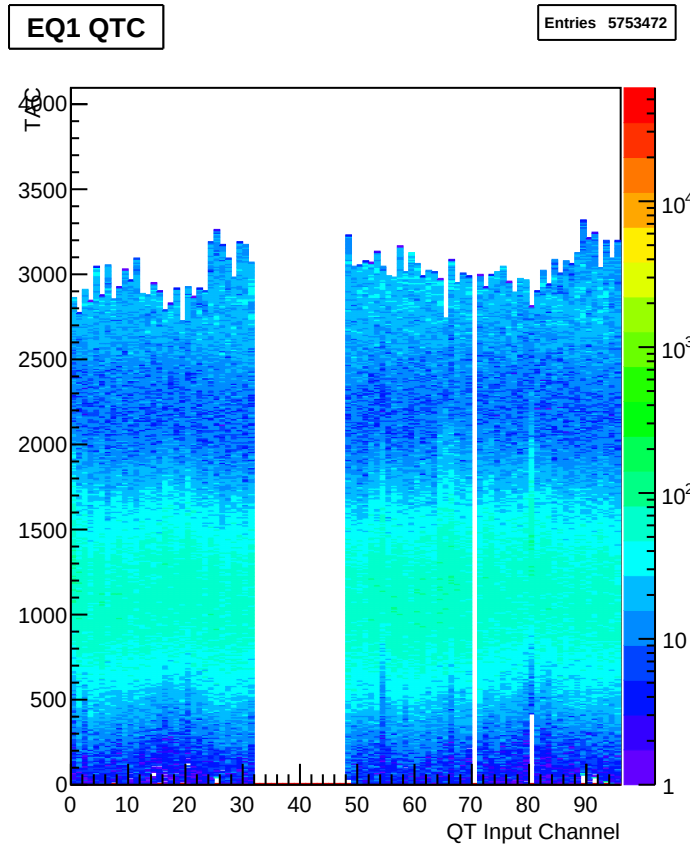

BBQ-VP002 West
Entries 958912
ADC
QT Input Channel

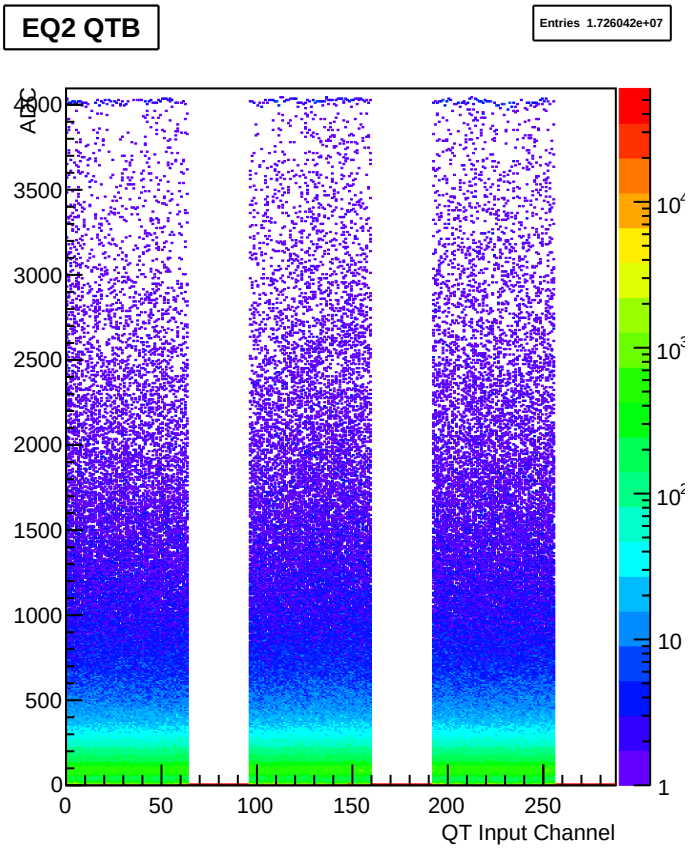

BBQ-VP002 West
Entries 958912
TADC
QT Input Channel

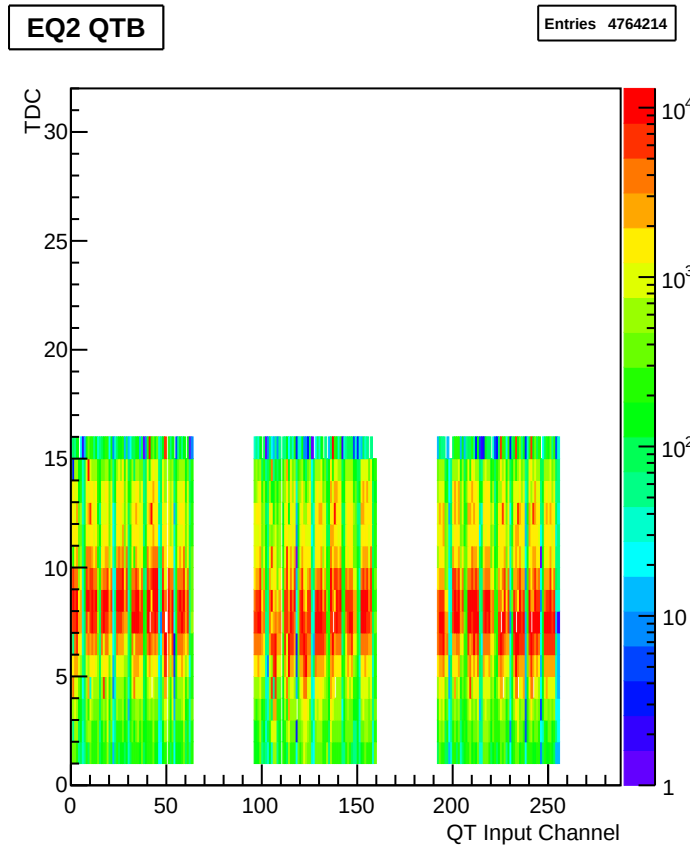

EQ1 QTB
Entries 1.726042e+07
ADC
QT Input Channel

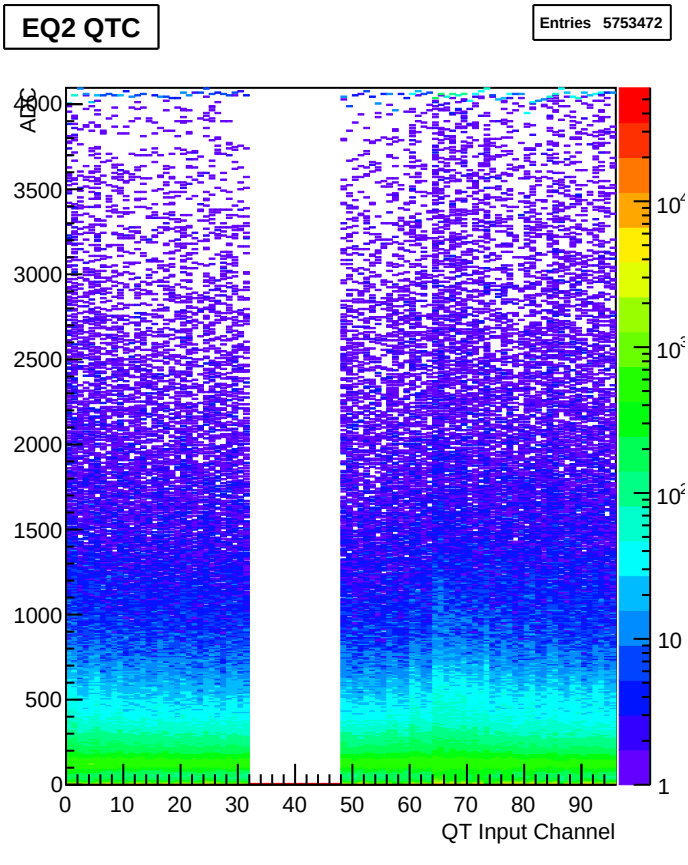

EQ1 QTB
Entries 5856331
TDC
QT Input Channel

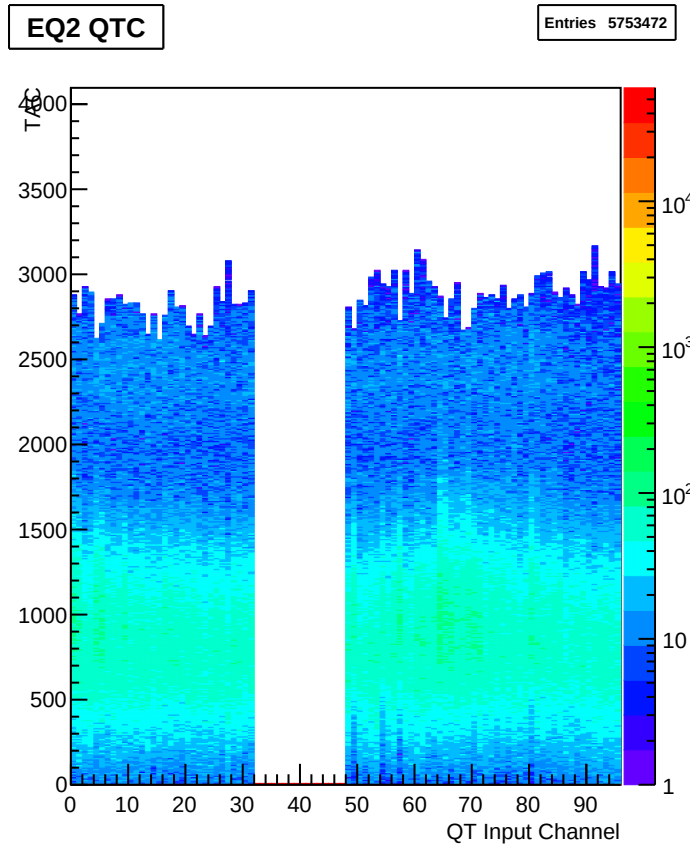

EQ1 QTC
Entries 5753472
ADC
QT Input Channel

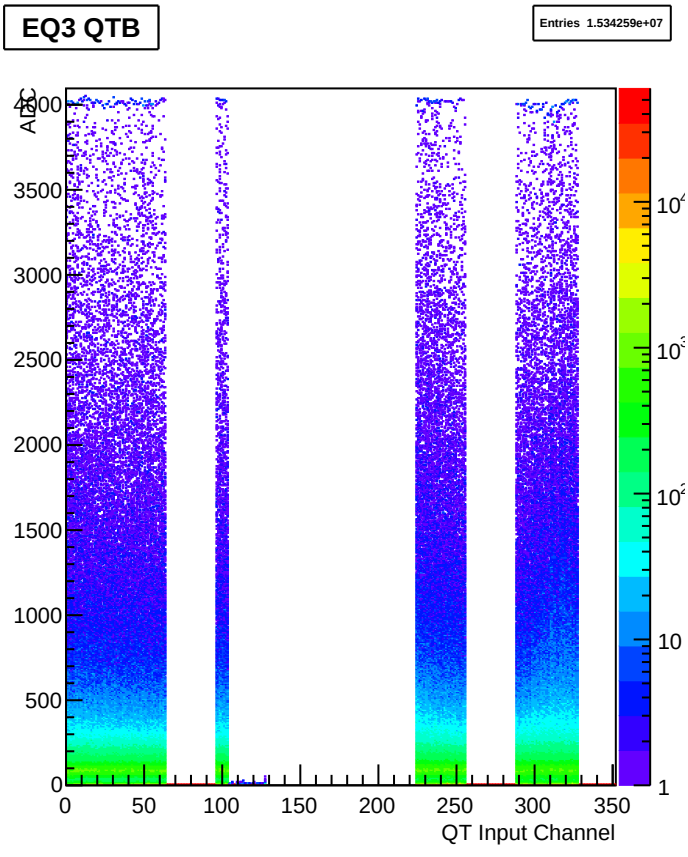

EQ1 QTC
Entries 5753472
TADC
QT Input Channel

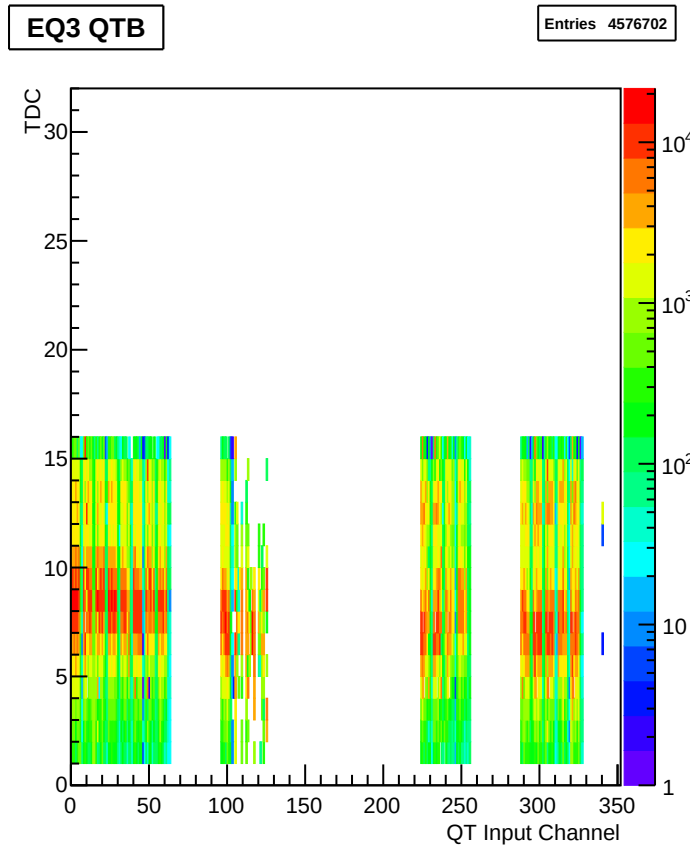

EQ2 QTB
Entries 1.726042e+07
ADC
QT Input Channel

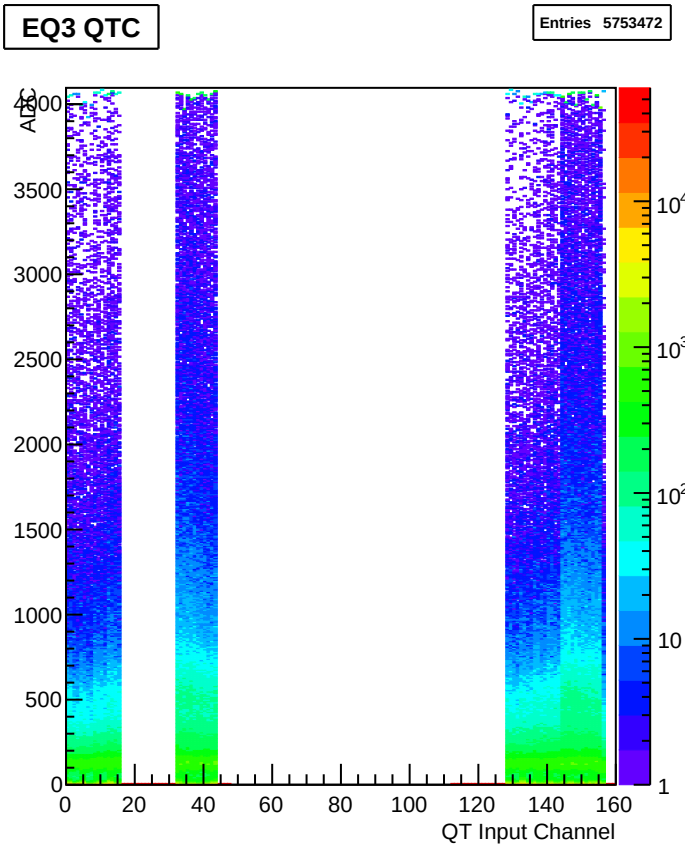

EQ2 QTB
Entries 4764214
TDC
QT Input Channel

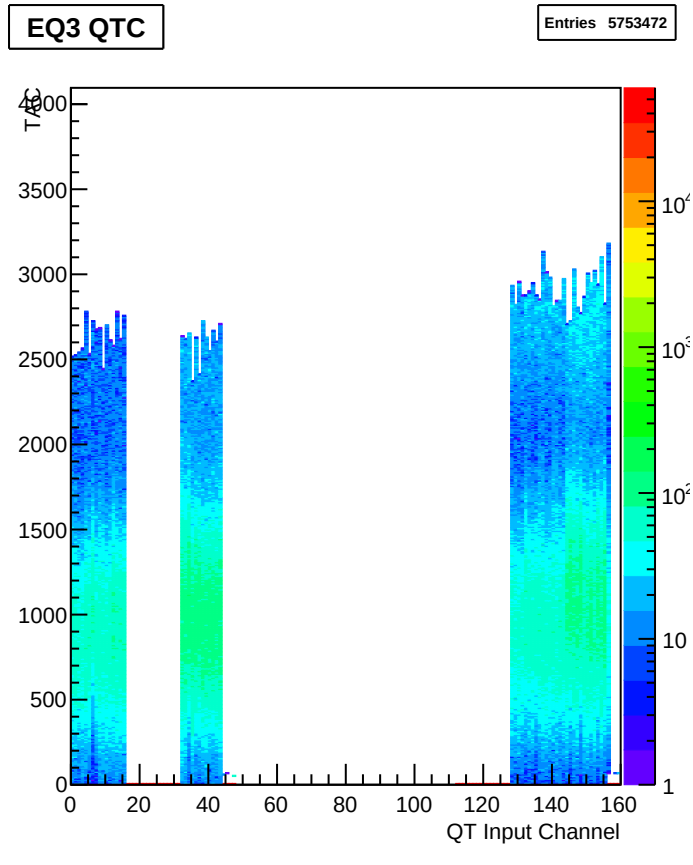

EQ2 QTC
Entries 5753472
ADC
QT Input Channel

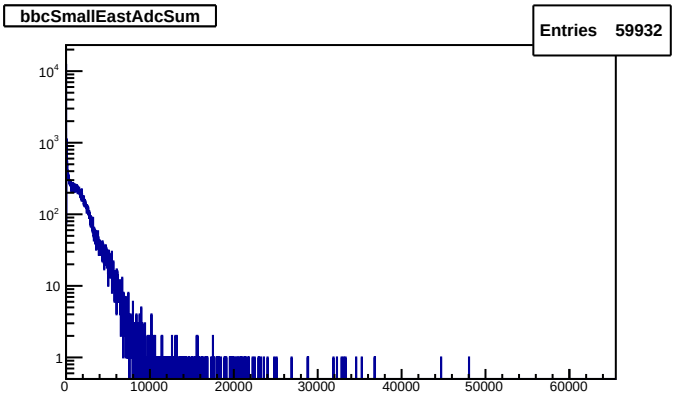

EQ2 QTC
Entries 5753472
TADC
QT Input Channel

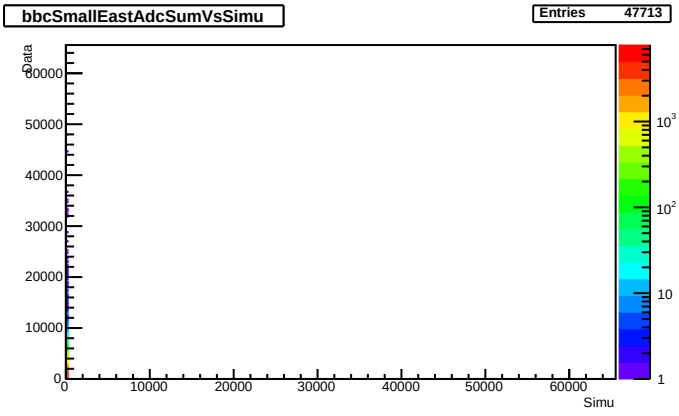

EQ3 QTB
Entries 1.534259e+07
ADC
QT Input Channel

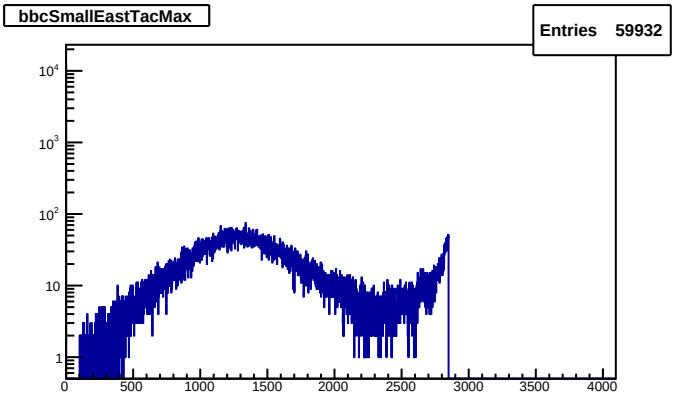

EQ3 QTB
Entries 4576702
TDC
QT Input Channel

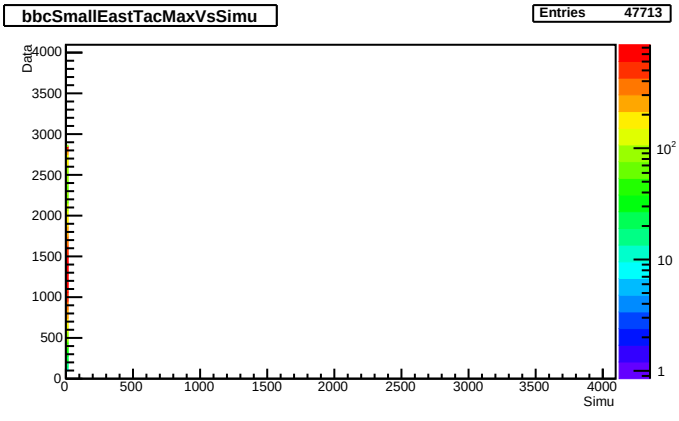

EQ3 QTC
Entries 5753472
ADC
QT Input Channel

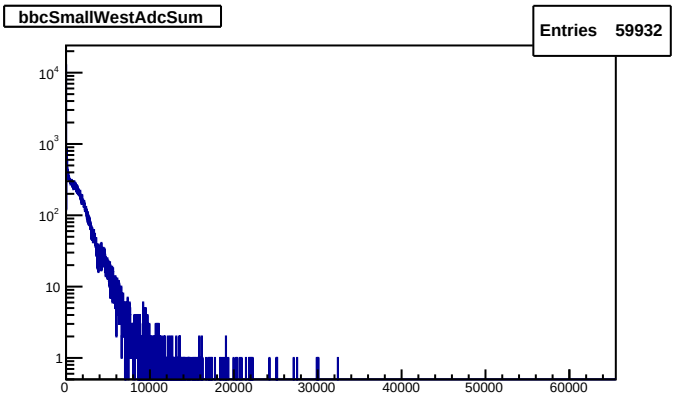

EQ3 QTC
Entries 5753472
TADC
QT Input Channel

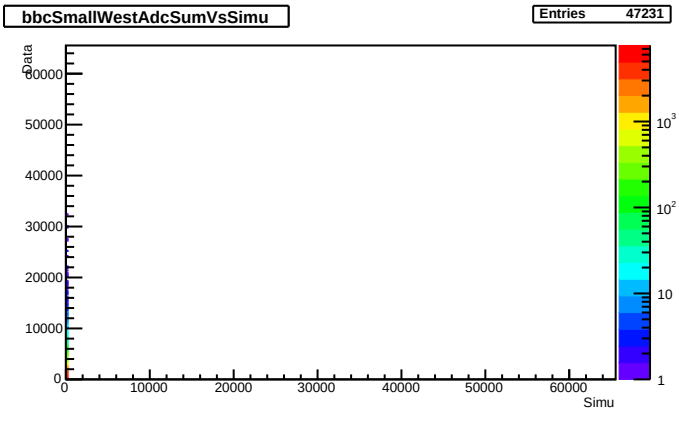

bbcSmallEastAdcSum
Entries 59932

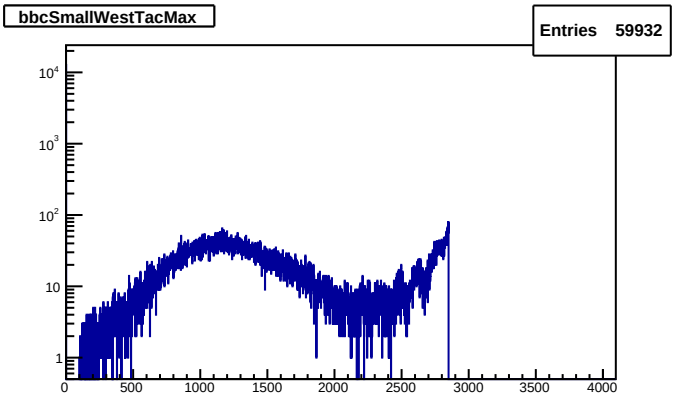

bbcSmallEastAdcSumVsSimu
Entries 47713
Data
Simu

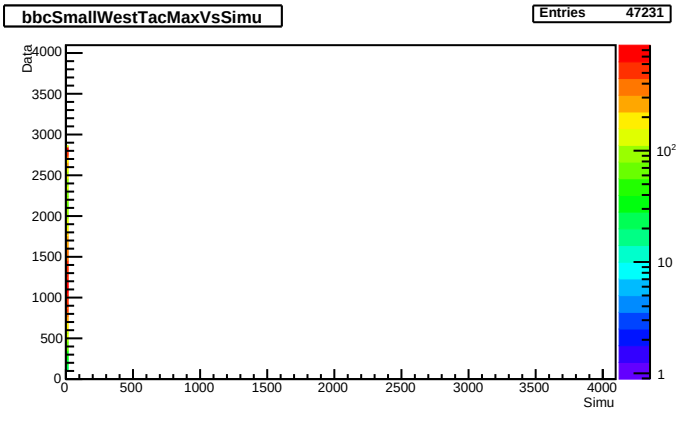

bbcSmallEastTacMax
Entries 59932

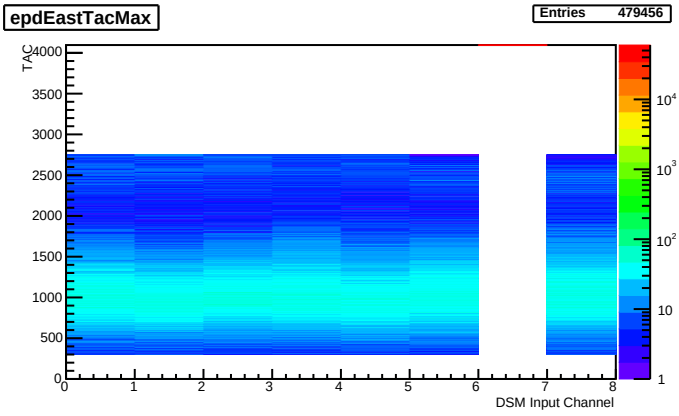

bbcSmallEastTacMaxVsSimu
Entries 47713
Data
Simu

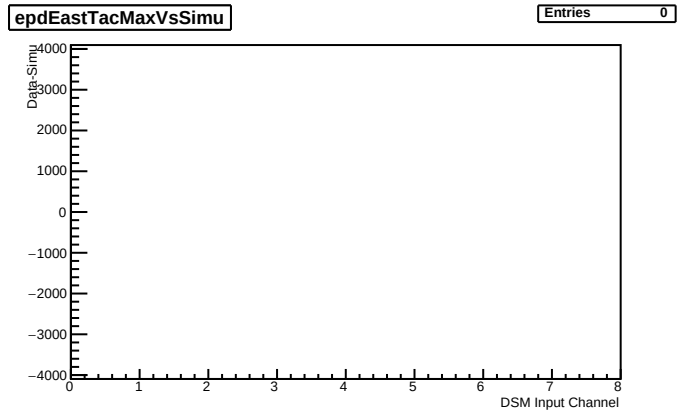

bbcSmallWestAdcSum
Entries 59932

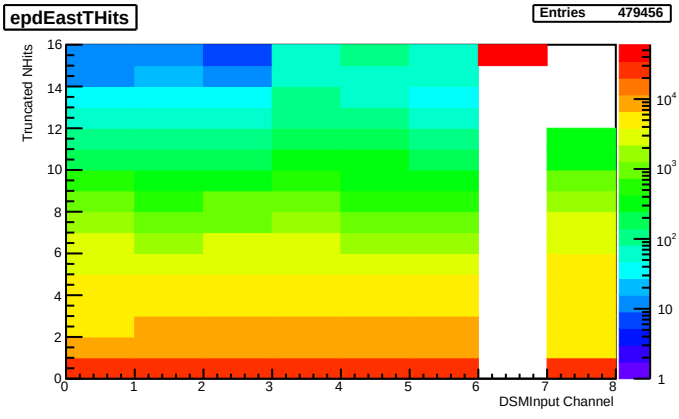

bbcSmallWestAdcSumVsSimu
Entries 47231
Data
Simu

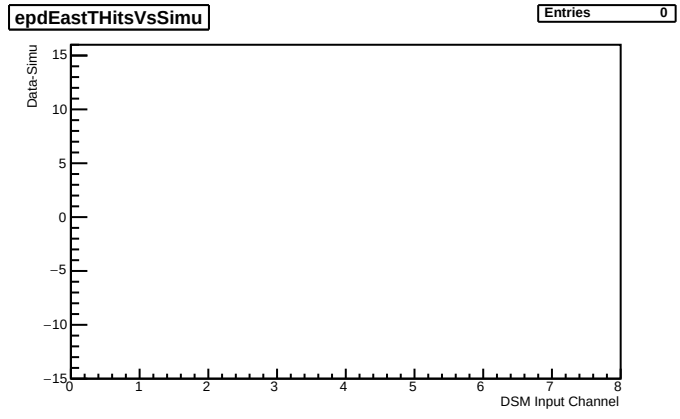

bbcSmallWestTacMax
Entries 59932


bbcSmallWestTacMaxVsSimu
Entries 47231
Data
Simu


epdEastTacMax
Entries 479456
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 479456
Truncated NHits
DSMInput Channel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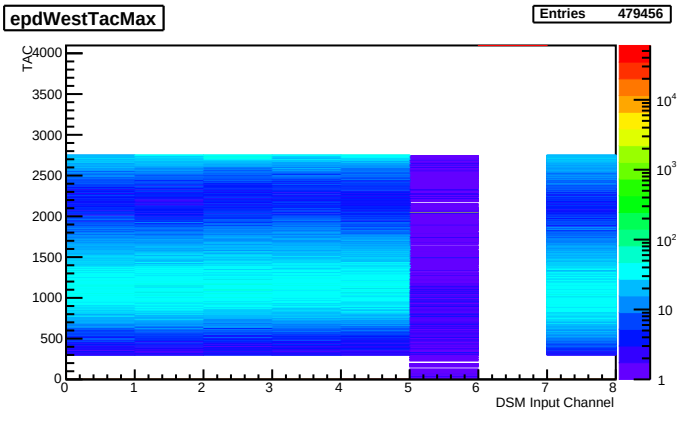
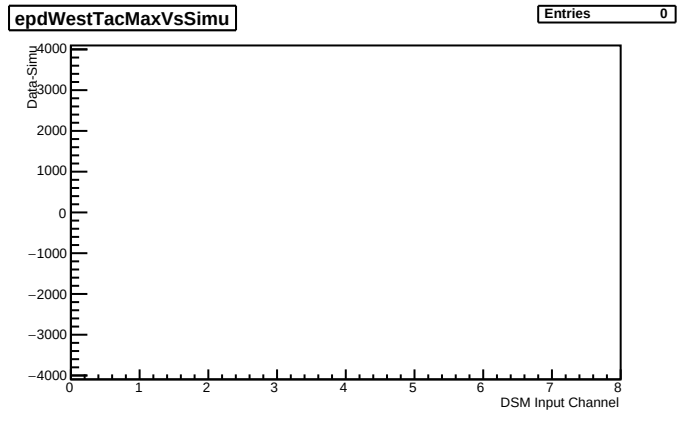
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 479456
TAC
DSM Input Channel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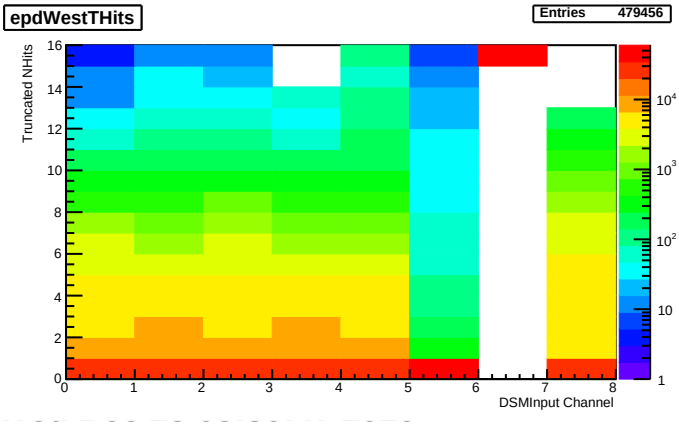
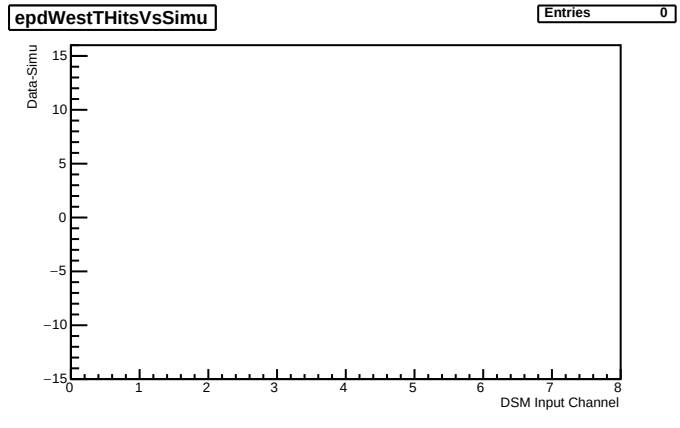
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 479456
Truncated NHits
DSMInput Channel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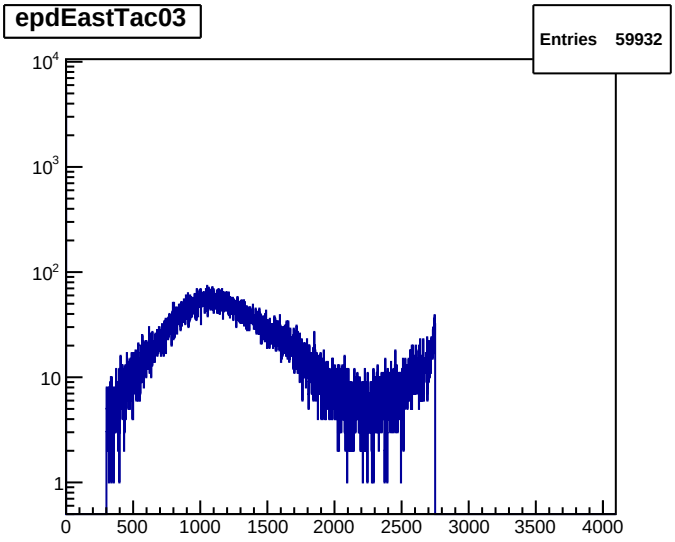
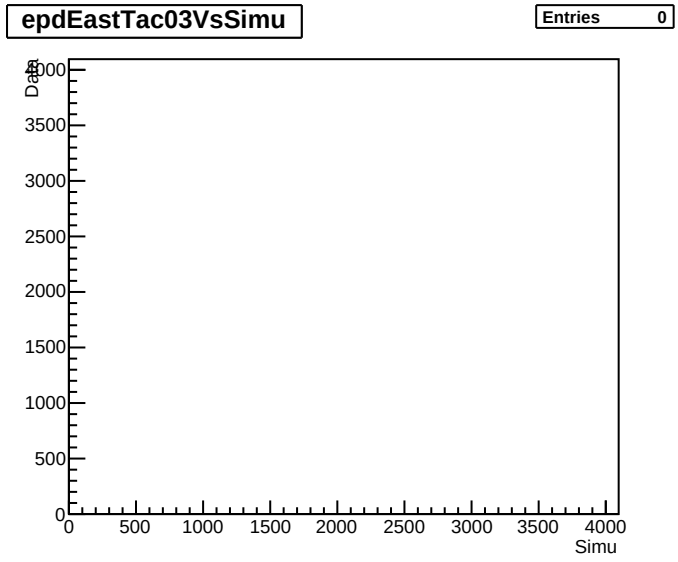
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 59932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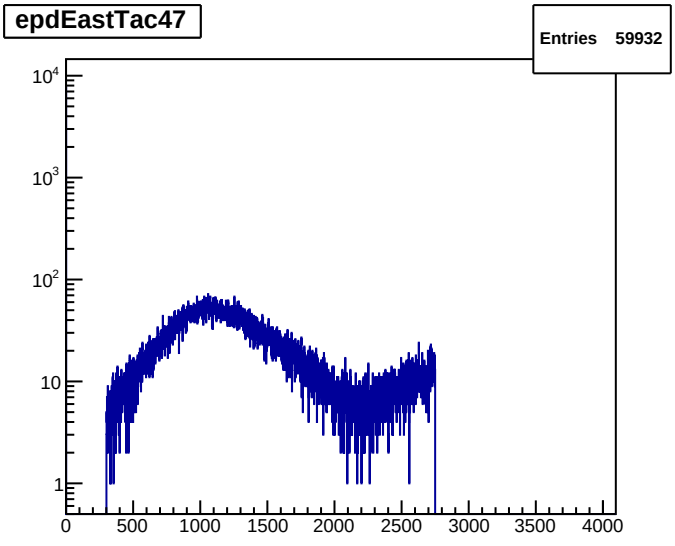
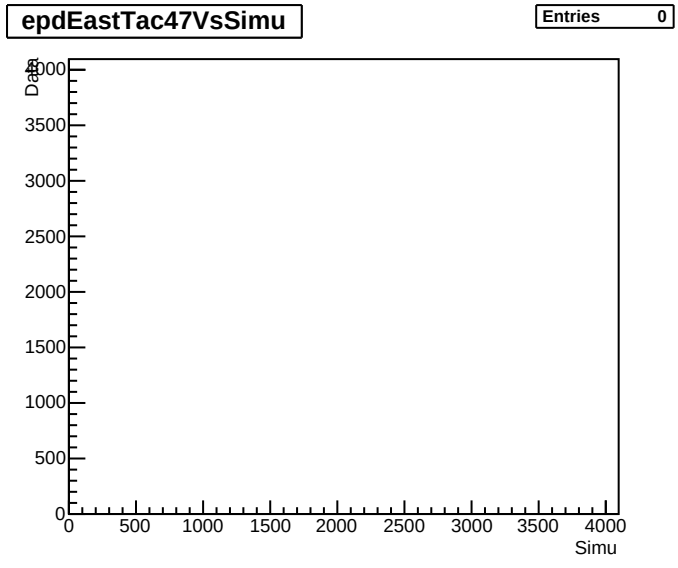
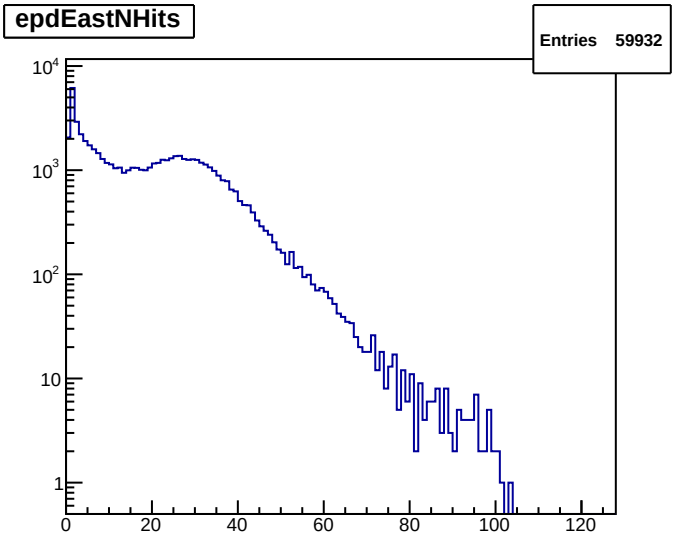
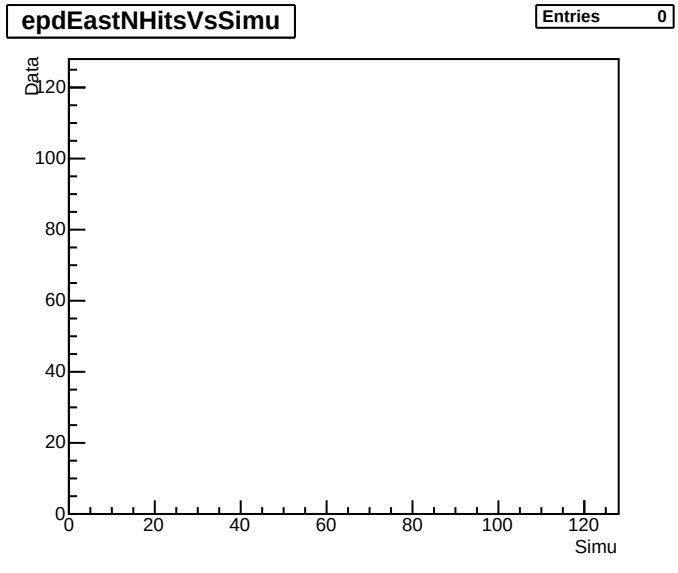
Entries 0
Data
Simu


epdEastTac47
Entries 59932


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 59932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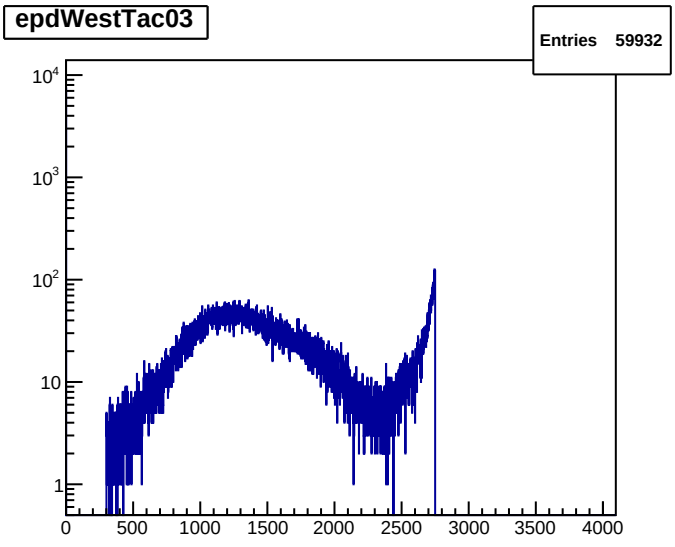
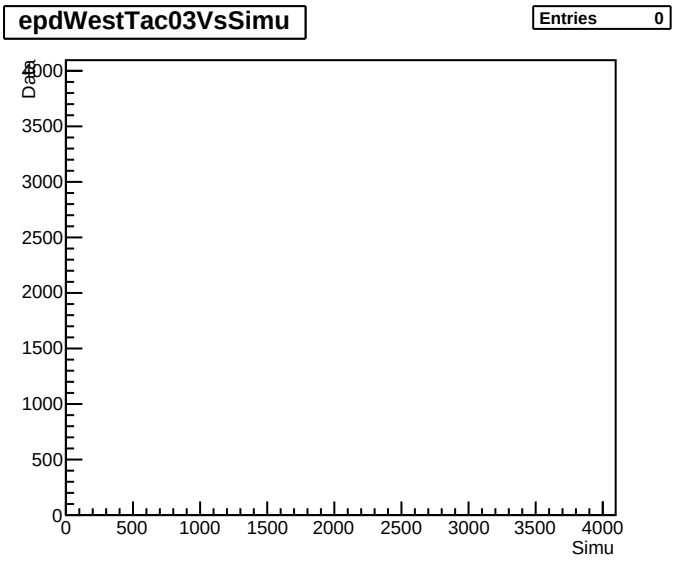
Entries 0
Data
Simu


epdWestTac03
Entries 59932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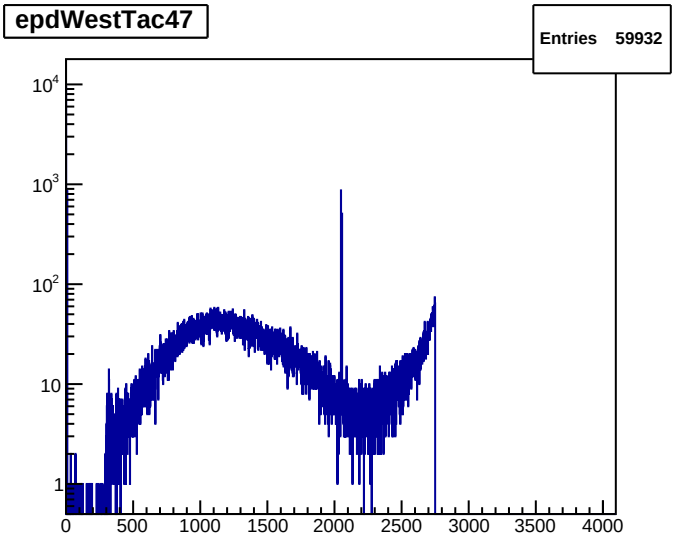
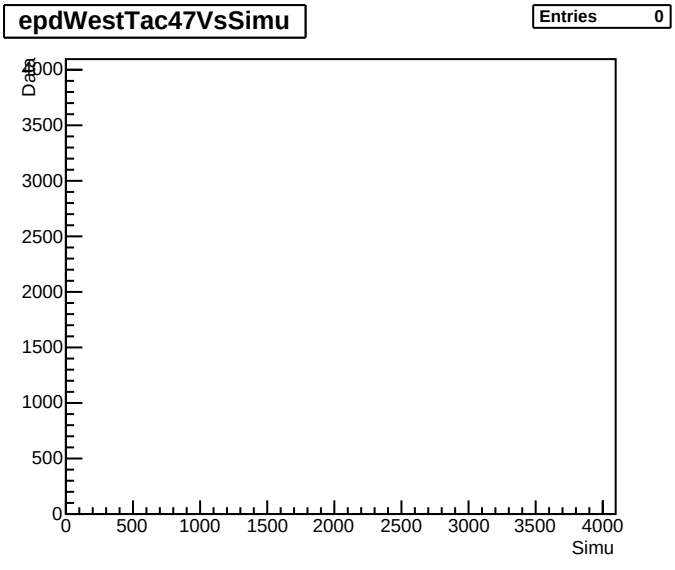
Entries 0
Data
Simu


epdWestTac47
Entries 59932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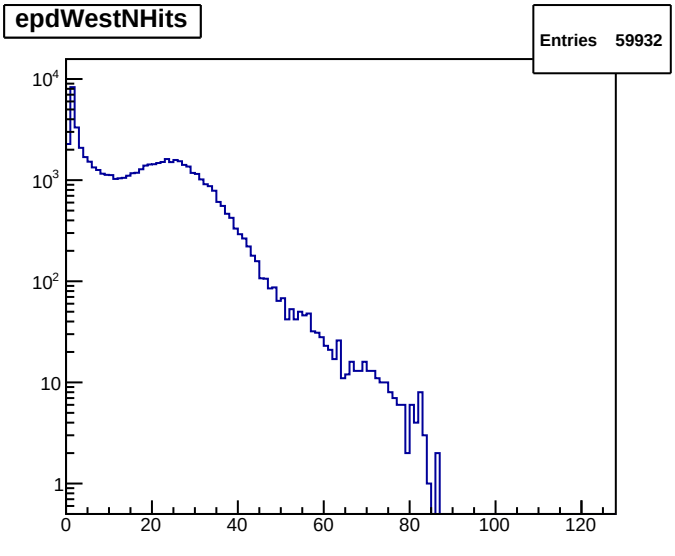
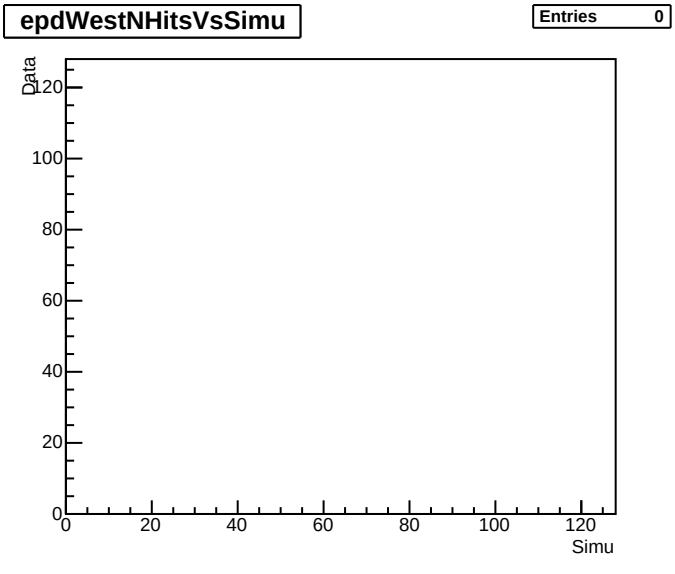
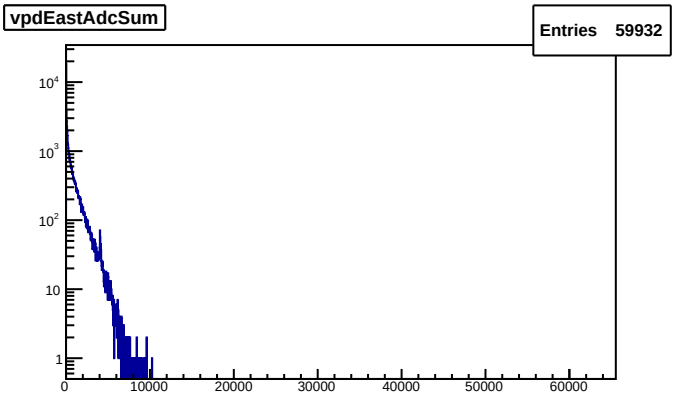
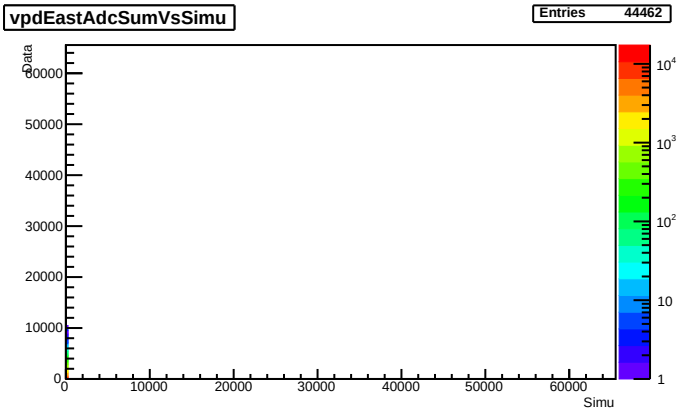
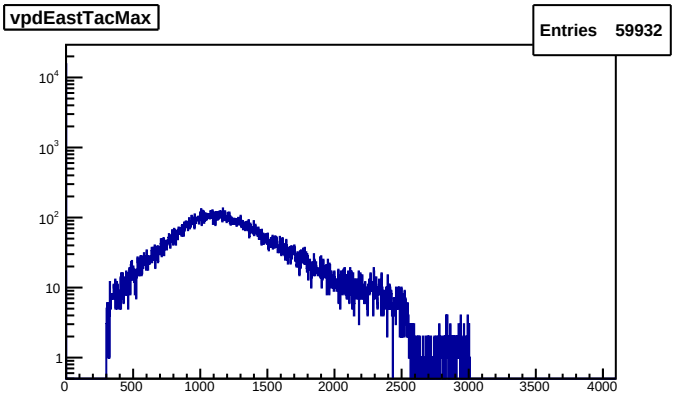
Entries 0
Data
Simu

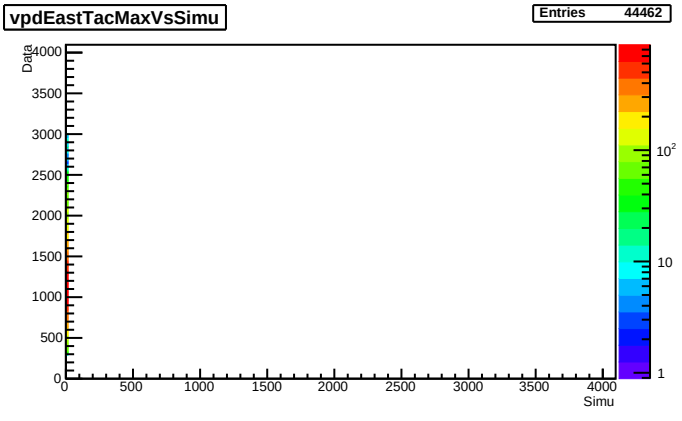

epdWestNHits
Entries 59932

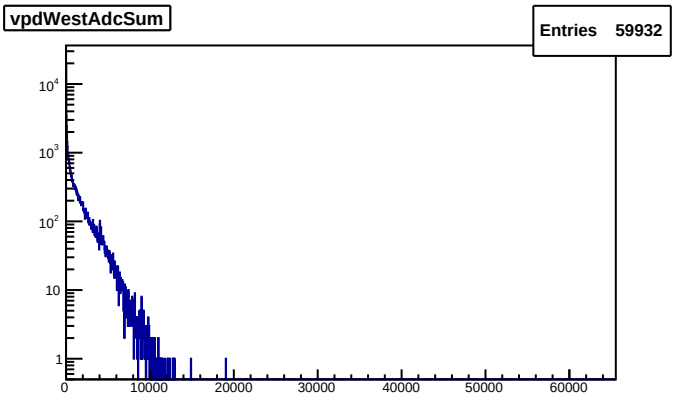

epdWestNHitsVsSimu
Entries 0
Data
Simu

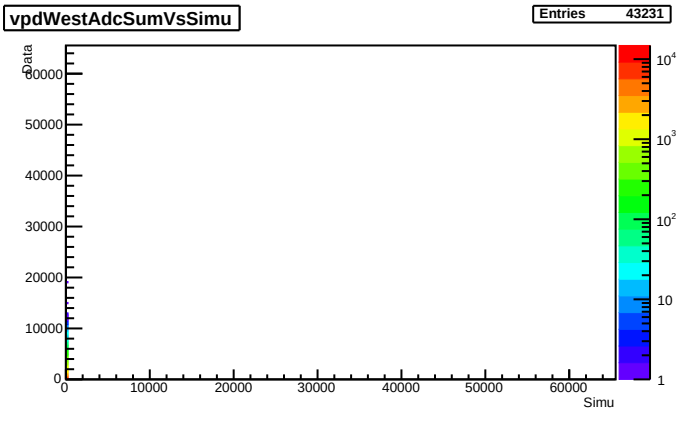

vpdEastAdcSum
Entries 59932

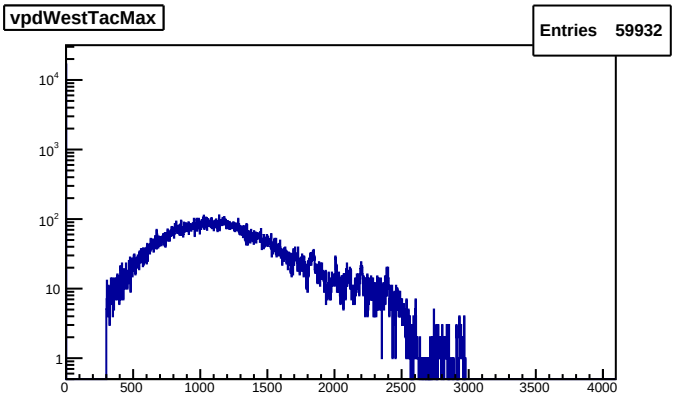

vpdEastAdcSumVsSimu
Entries 44462
Data
Simu

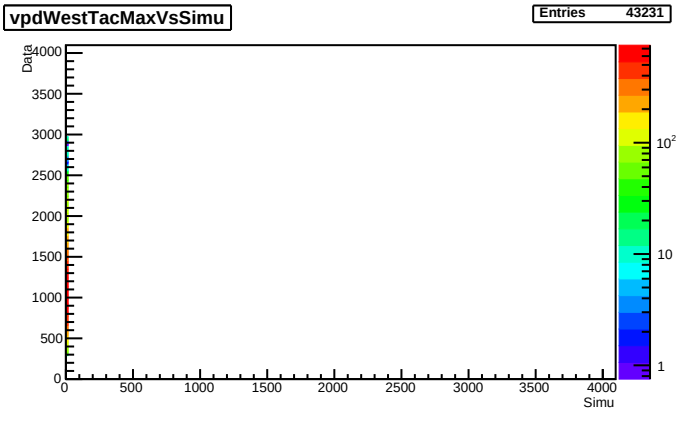

vpdEastTacMax
Entries 59932

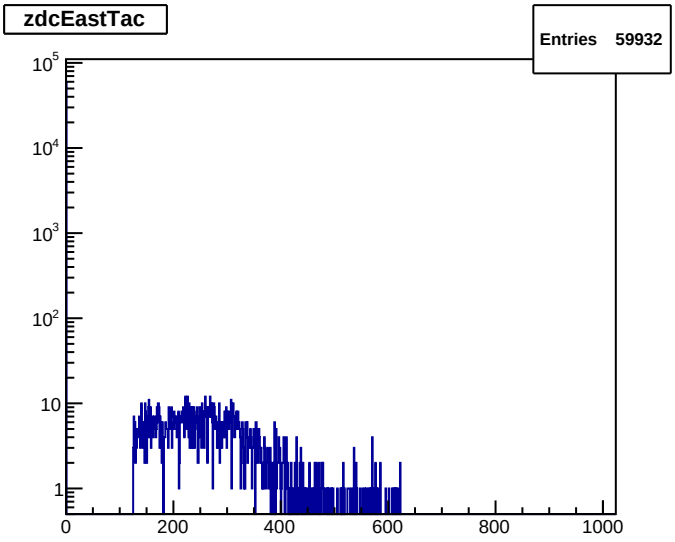

vpdEastTacMaxVsSimu
Entries 44462
Data
Simu

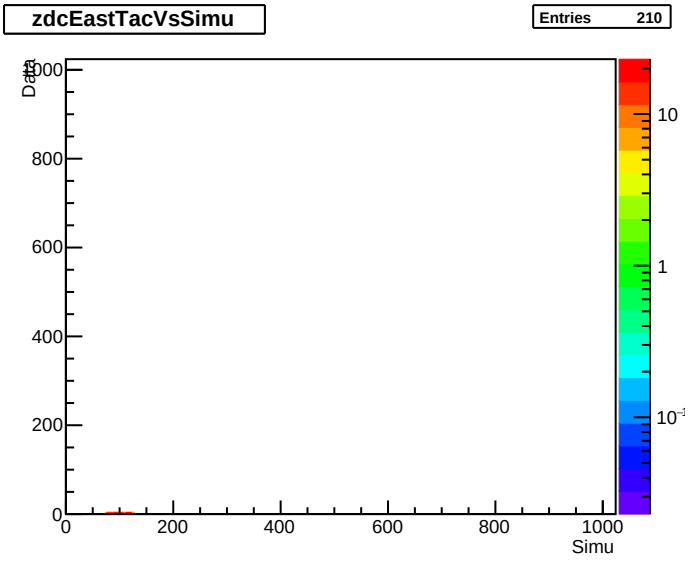

vpdWestAdcSum
Entries 59932

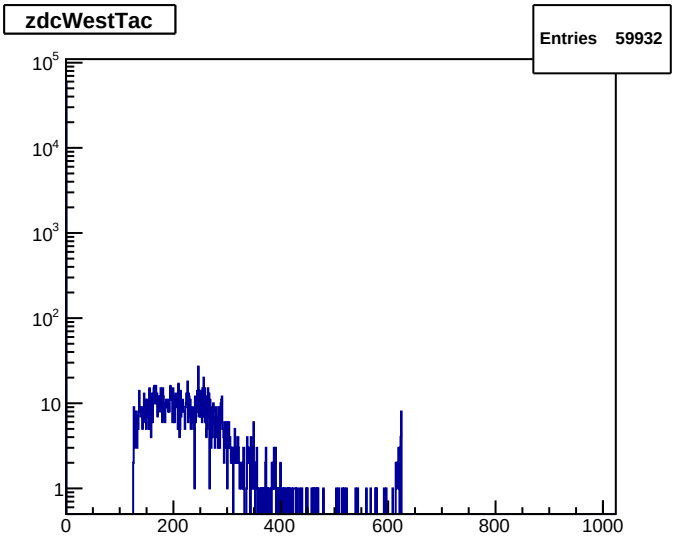

vpdWestAdcSumVsSimu
Entries 43231
Data
Simu

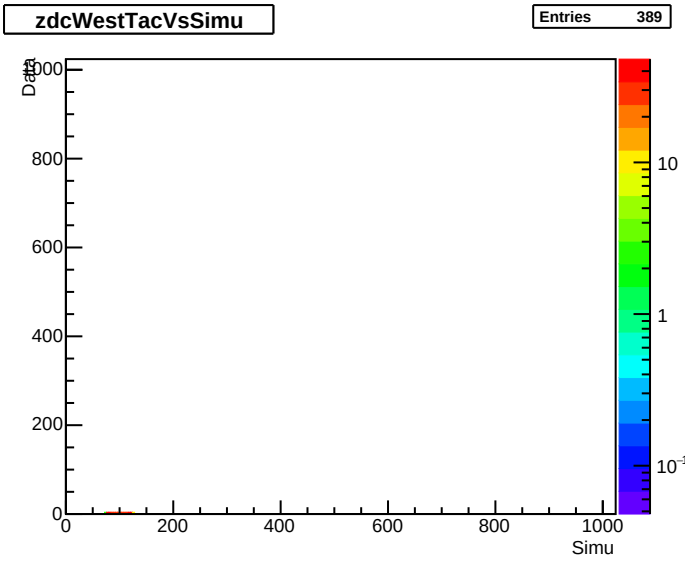

vpdWestTacMax
Entries 59932

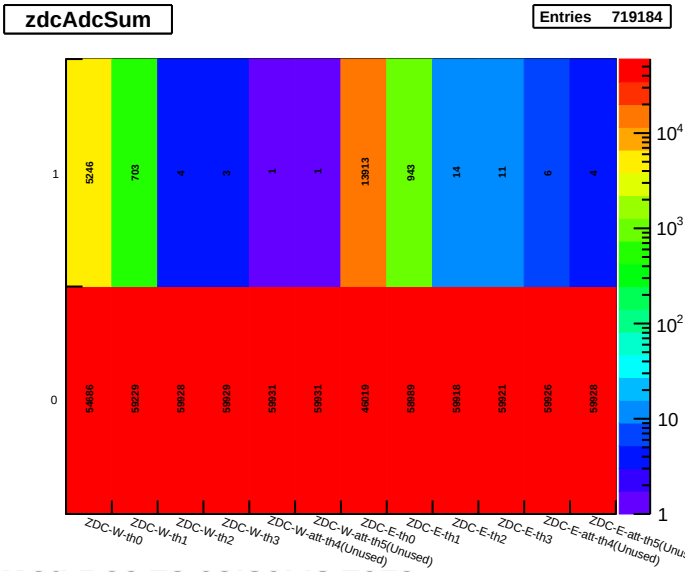

vpdWestTacMaxVsSimu
Entries 43231
Data
Simu

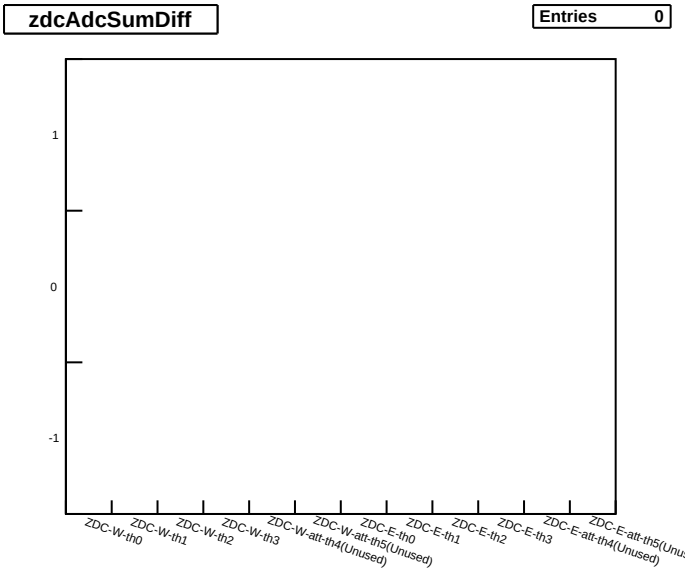

zdcEastTac
Entries 59932

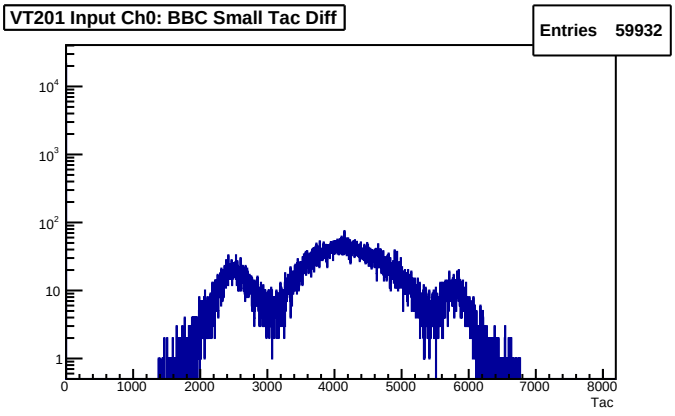

zdcEastTacVsSimu
Entries 210
Data
Simu

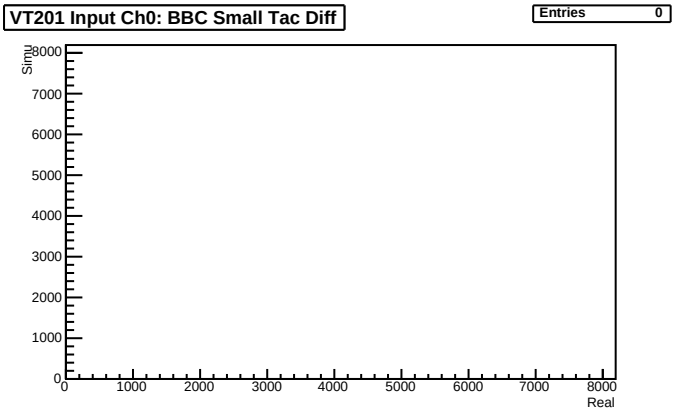

zdcWestTac
Entries 59932

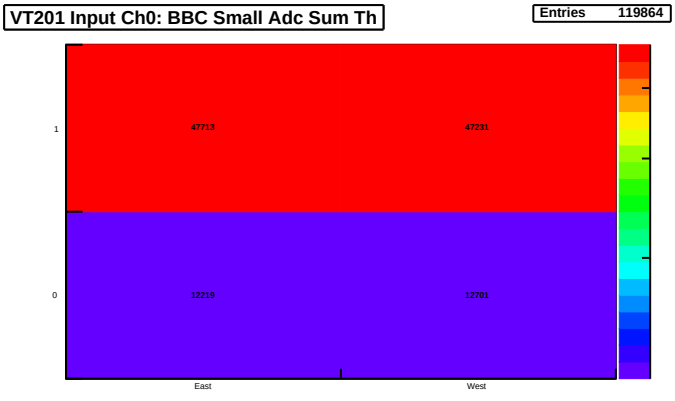

zdcWestTacVsSimu
Entries 389
Data
Simu

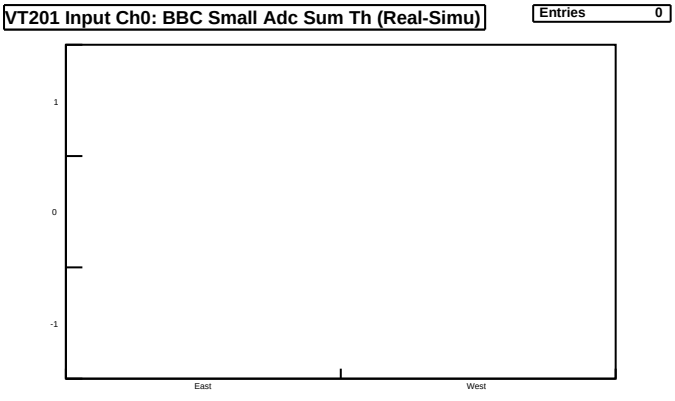

zdcAdcSum
Entries 719184
5246
703
4
3
1
1
13913
943
14
11
6
4
54886
59229
59928
59929
59931
59931
46019
58869
59918
59921
59926
59928
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

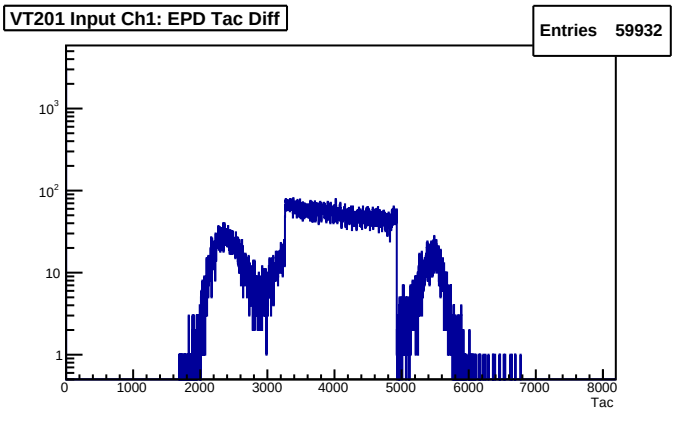

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

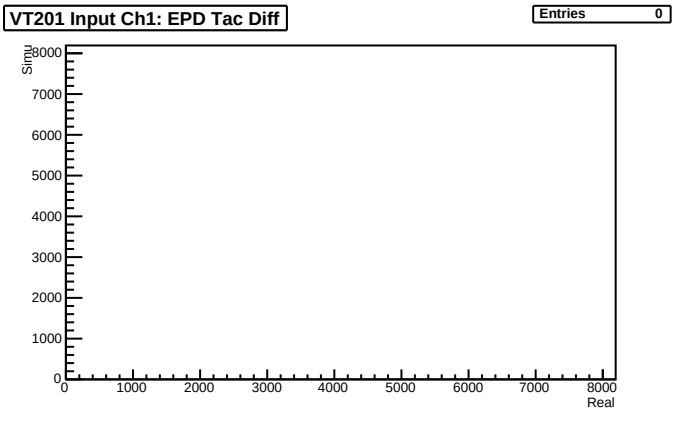

VT201 Input Ch0: BBC Small Tac Diff
Entries 59932
Tac

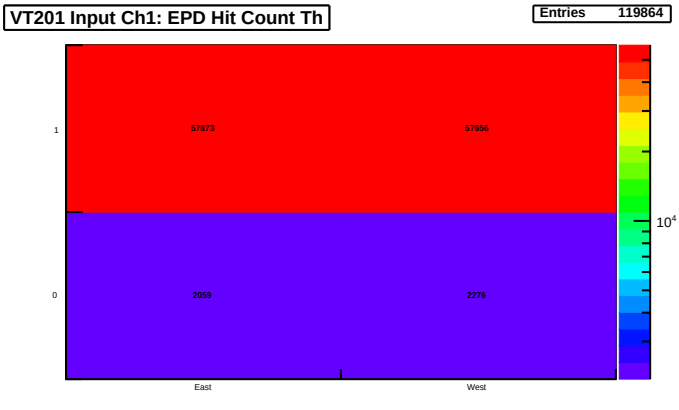

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

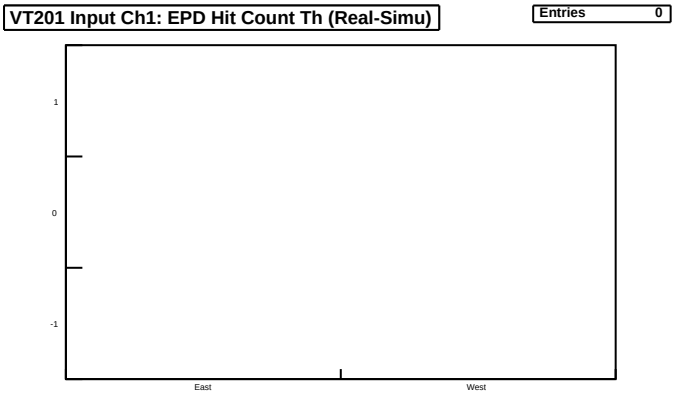

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 119864
47713
47231
12219
12701
East
West

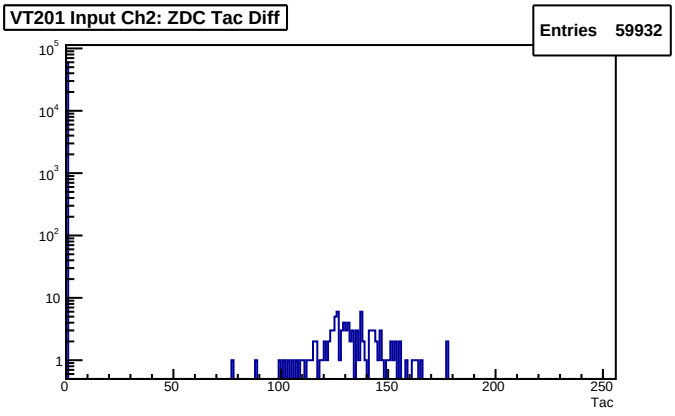

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

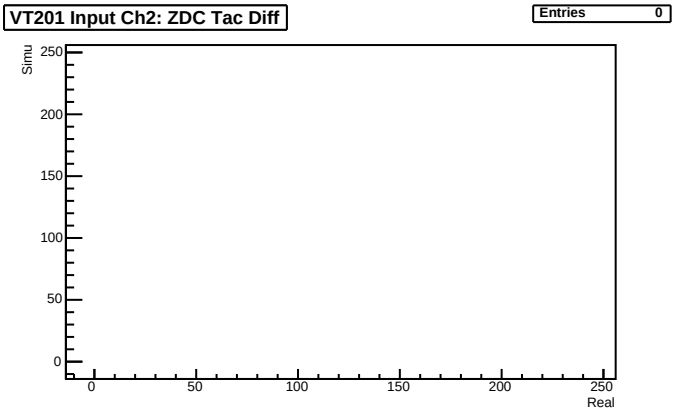

VT201 Input Ch1: EPD Tac Diff
Entries 59932
Tac

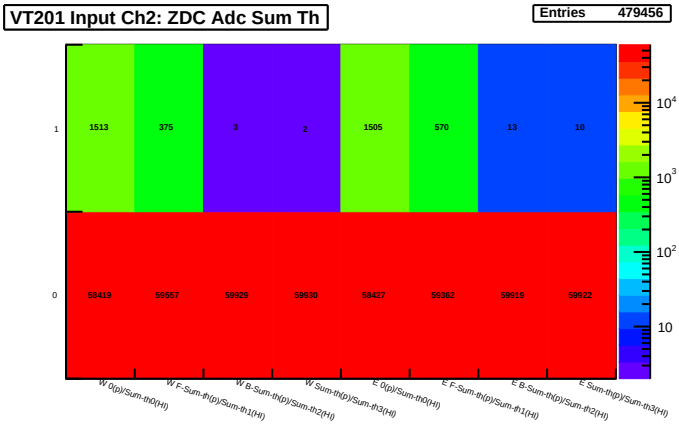

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

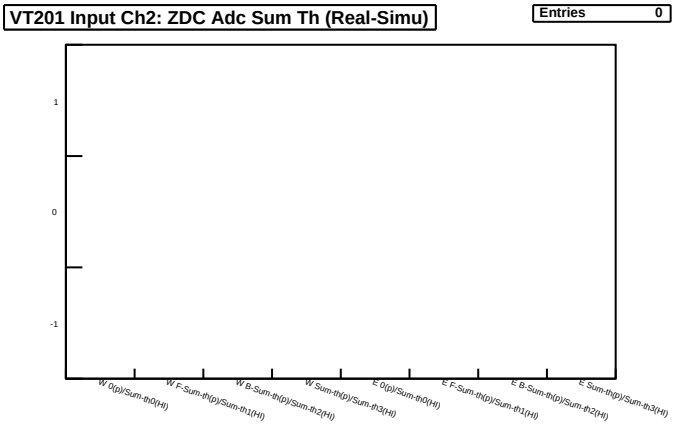

VT201 Input Ch1: EPD Hit Count Th
Entries 119864
57873
57656
2059
2276
East
West

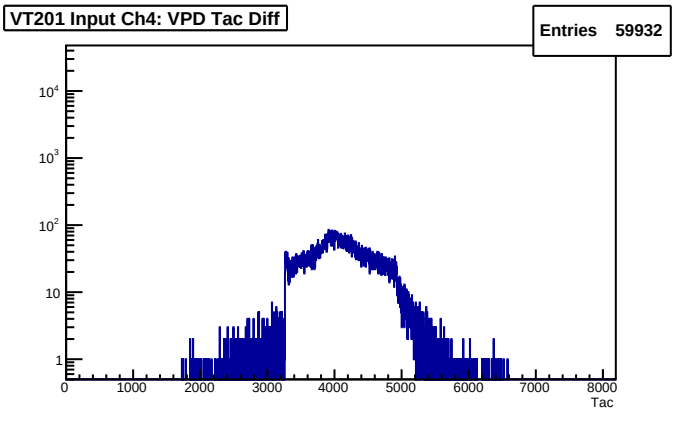

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

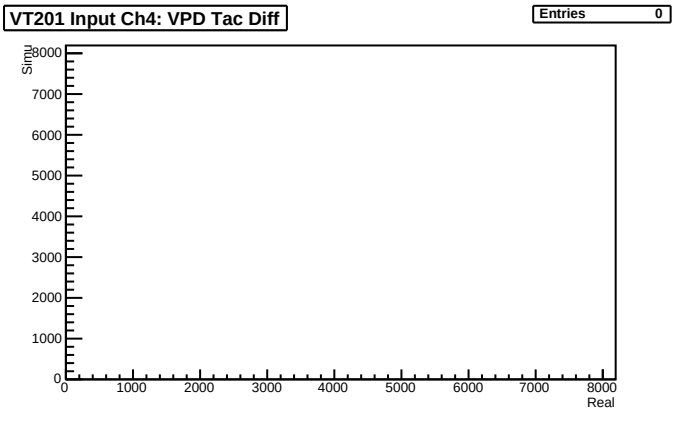

VT201 Input Ch2: ZDC Tac Diff
Entries 59932
Tac

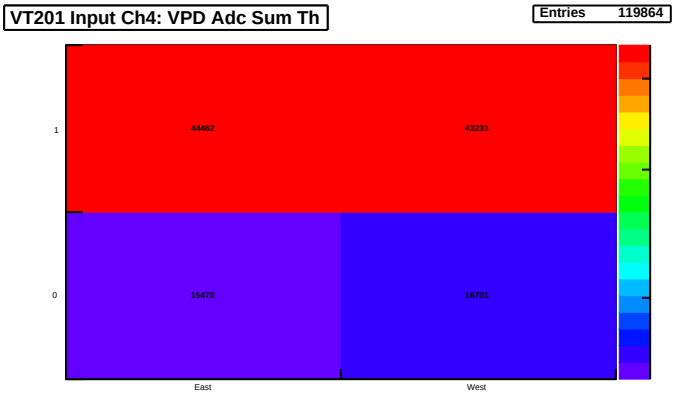

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

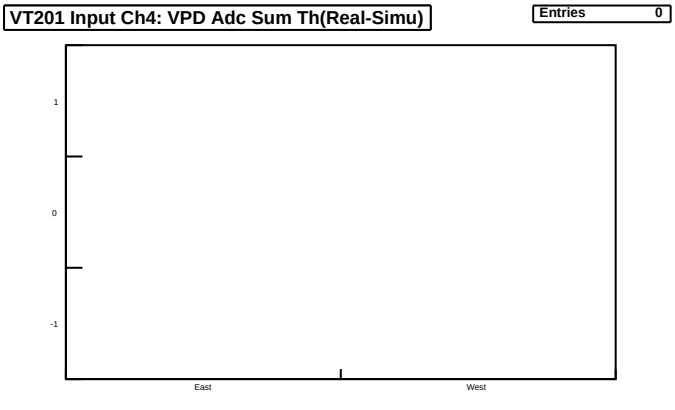

VT201 Input Ch2: ZDC Adc Sum Th
Entries 479456
1513
375
3
2
1505
570
13
10
58419
59557
59929
59930
58427
59362
59919
59922
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

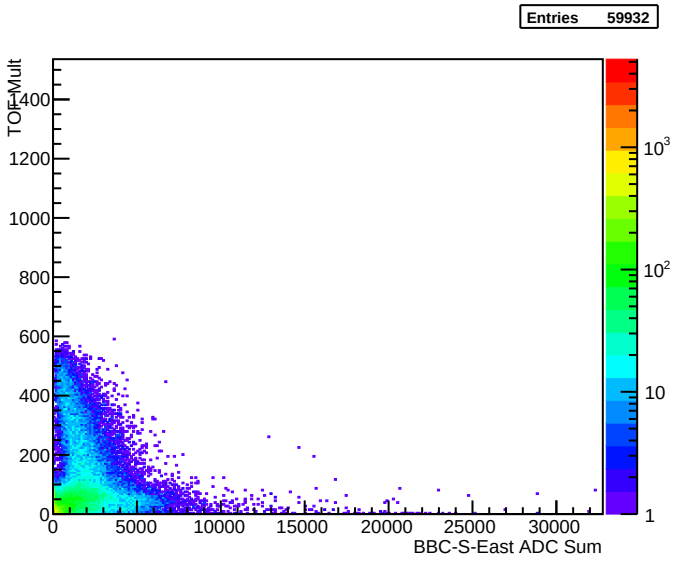

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

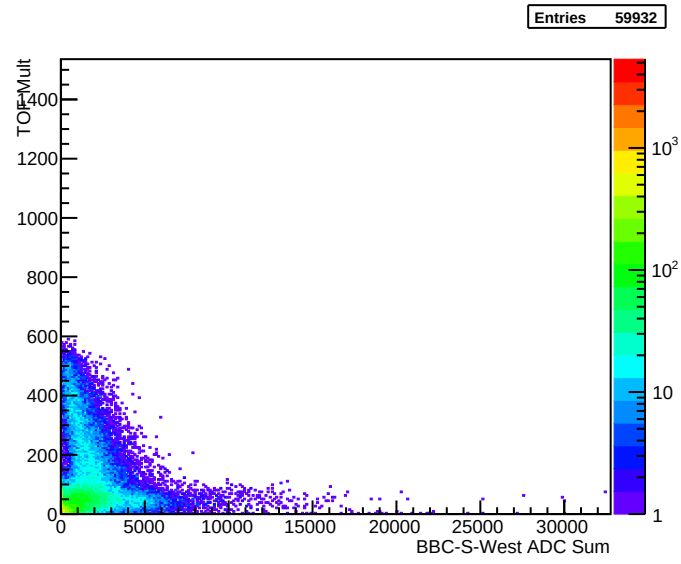

VT201 Input Ch4: VPD Tac Diff
Entries 59932
Tac

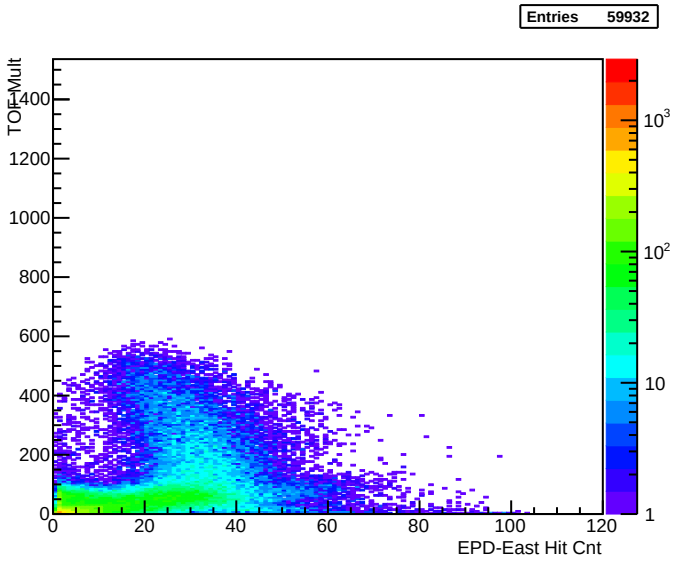

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

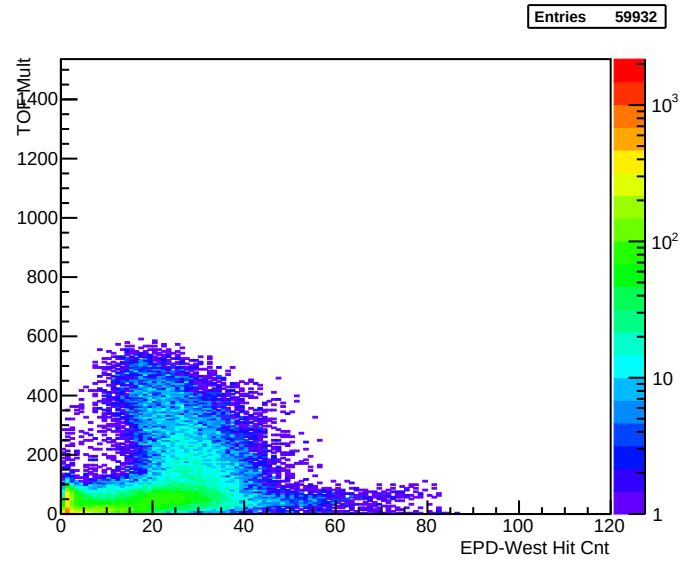

VT201 Input Ch4: VPD Adc Sum Th
Entries 119864
44462
43231
15470
16701
East
West

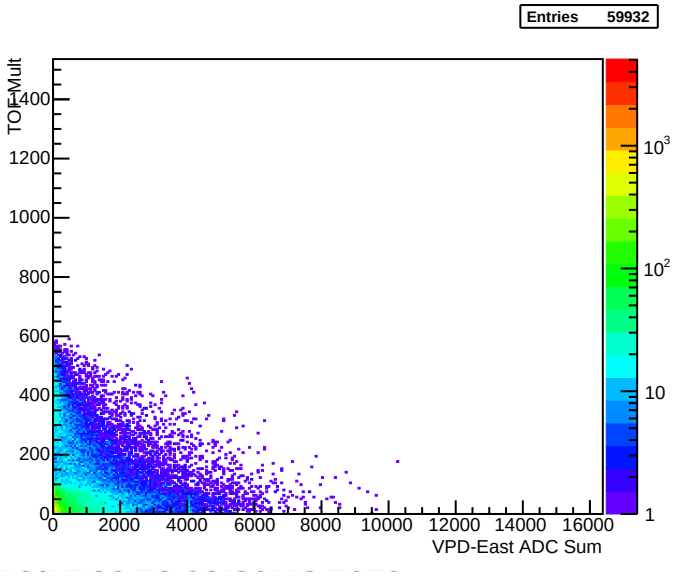

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

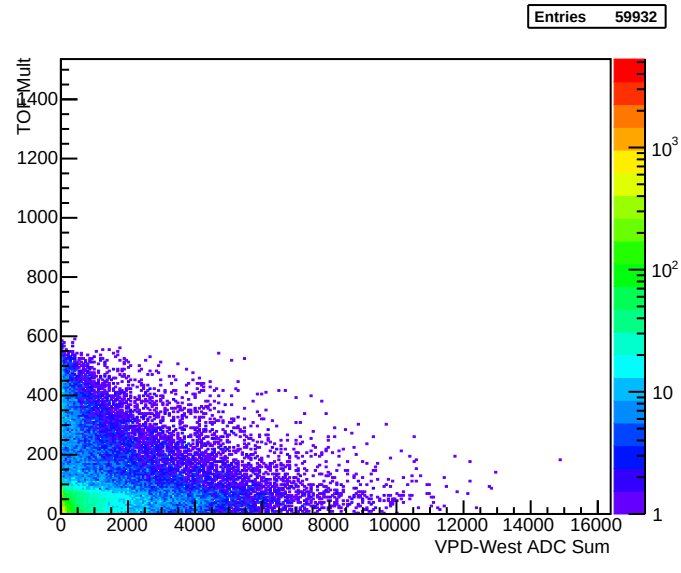

Entries 59932
TOF-Mult
BBC-S-East ADC Sum

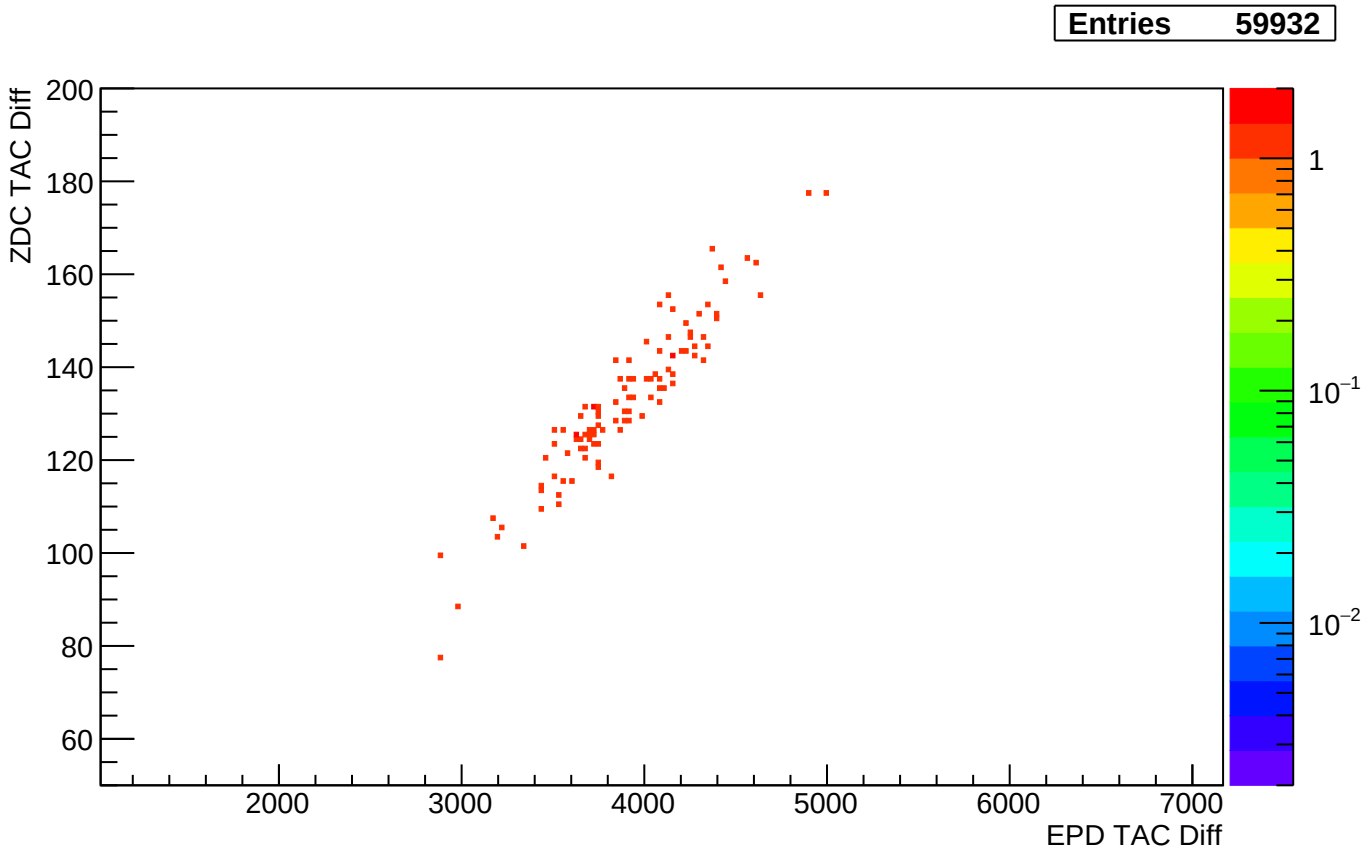

Entries 59932
TOF-Mult
BBC-S-West ADC Sum

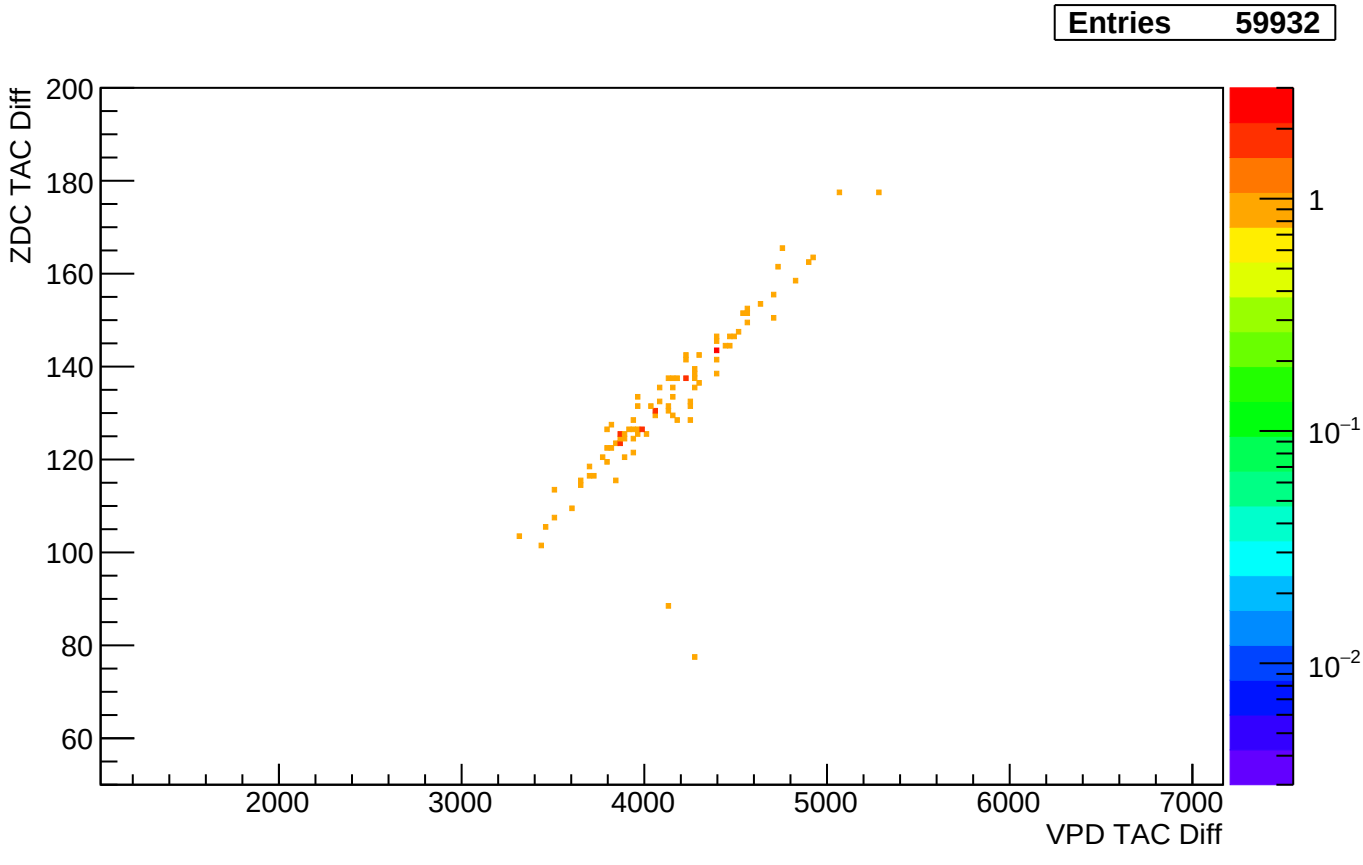

Entries 59932
TOF-Mult
EPD-East Hit Cnt

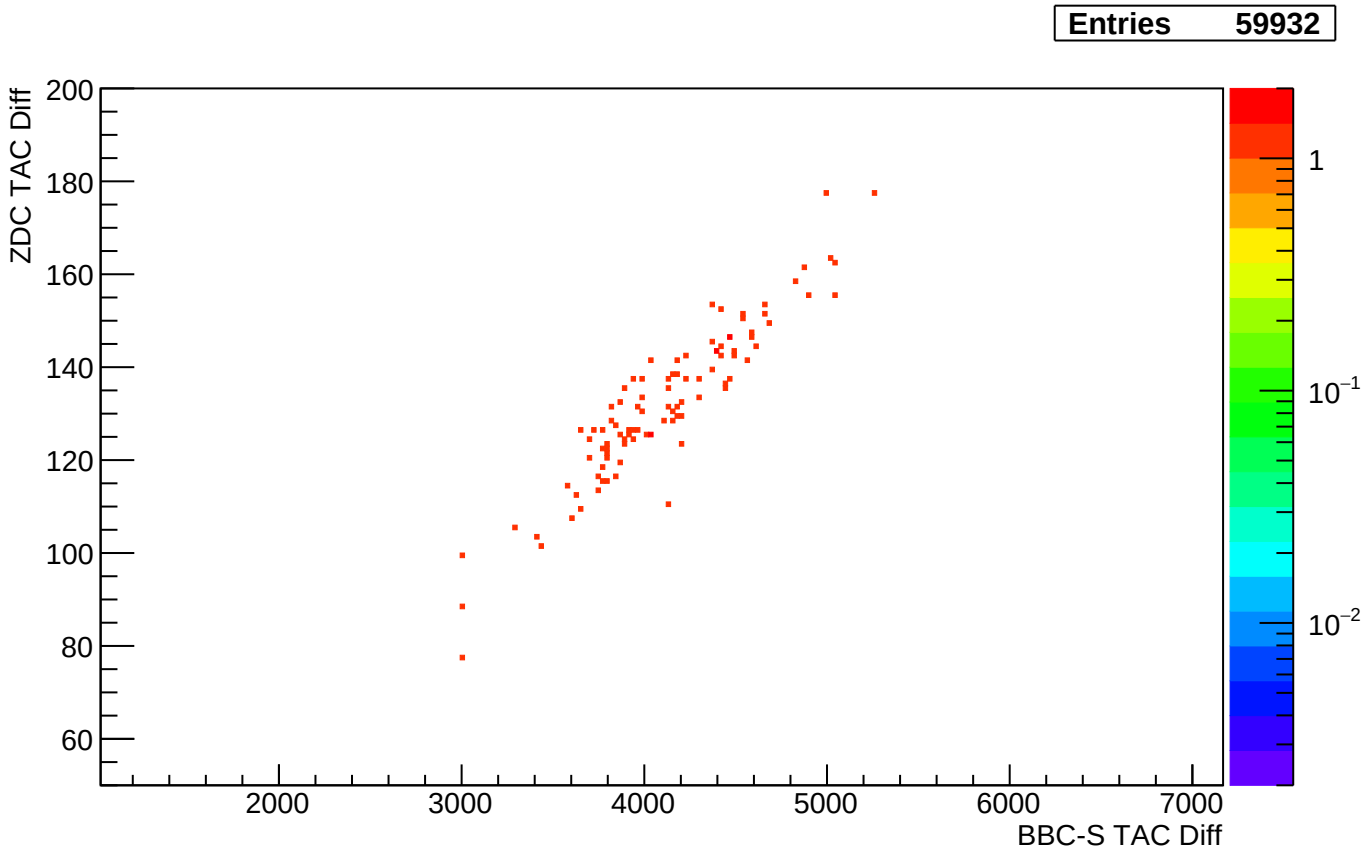

Entries 59932
TOF-Mult
EPD-West Hit Cnt

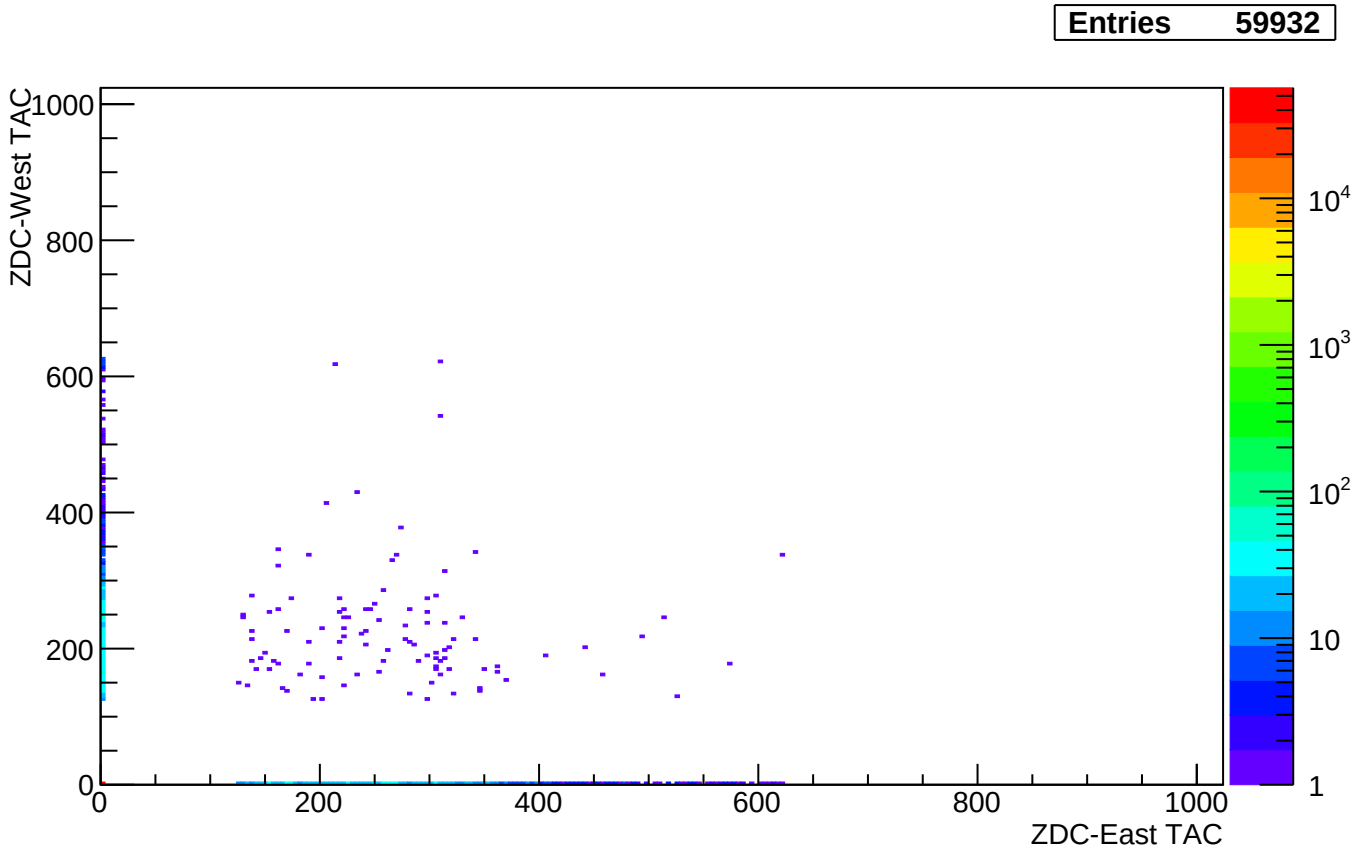

Entries 59932
TOF-Mult
VPD-East ADC Sum

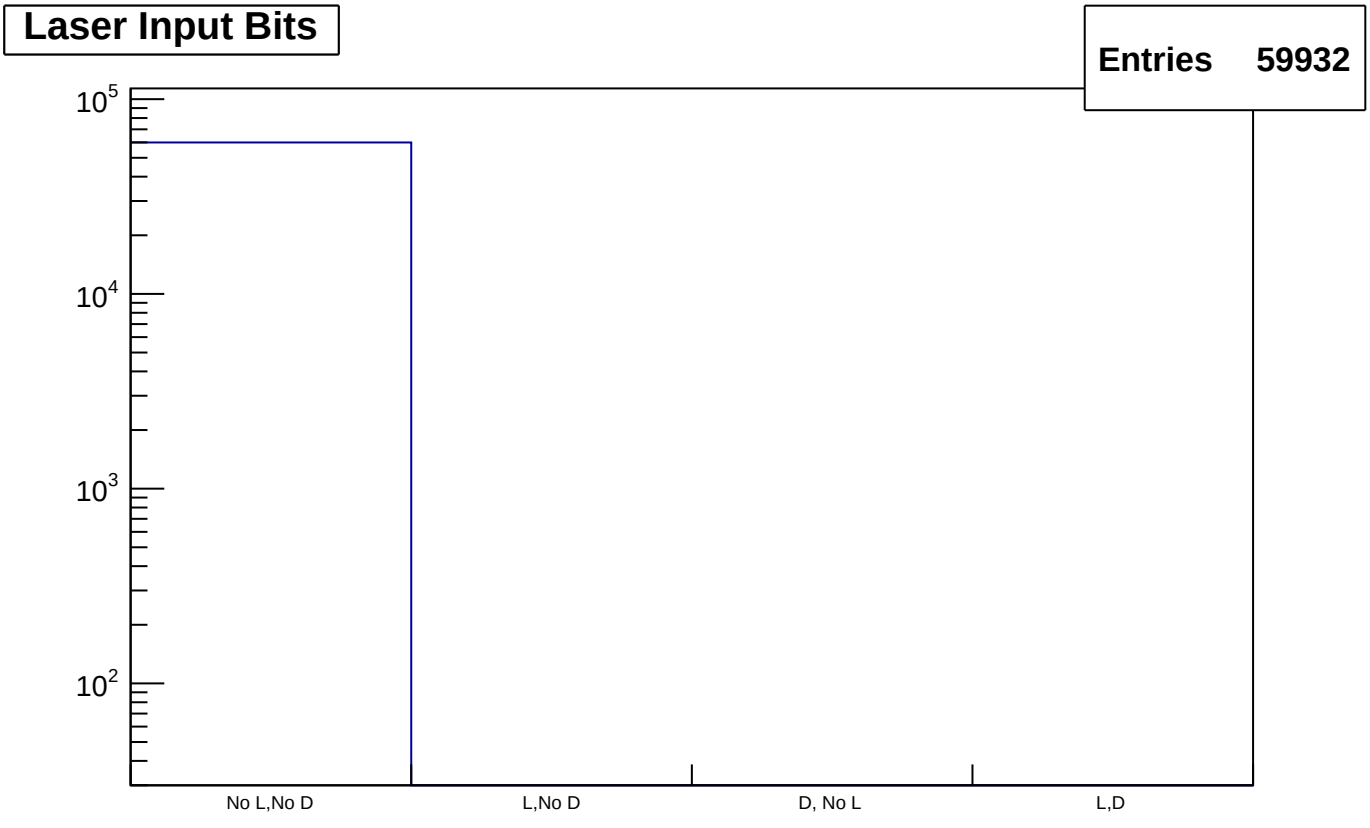

Entries 59932
TOF-Mult
VPD-West ADC Sum

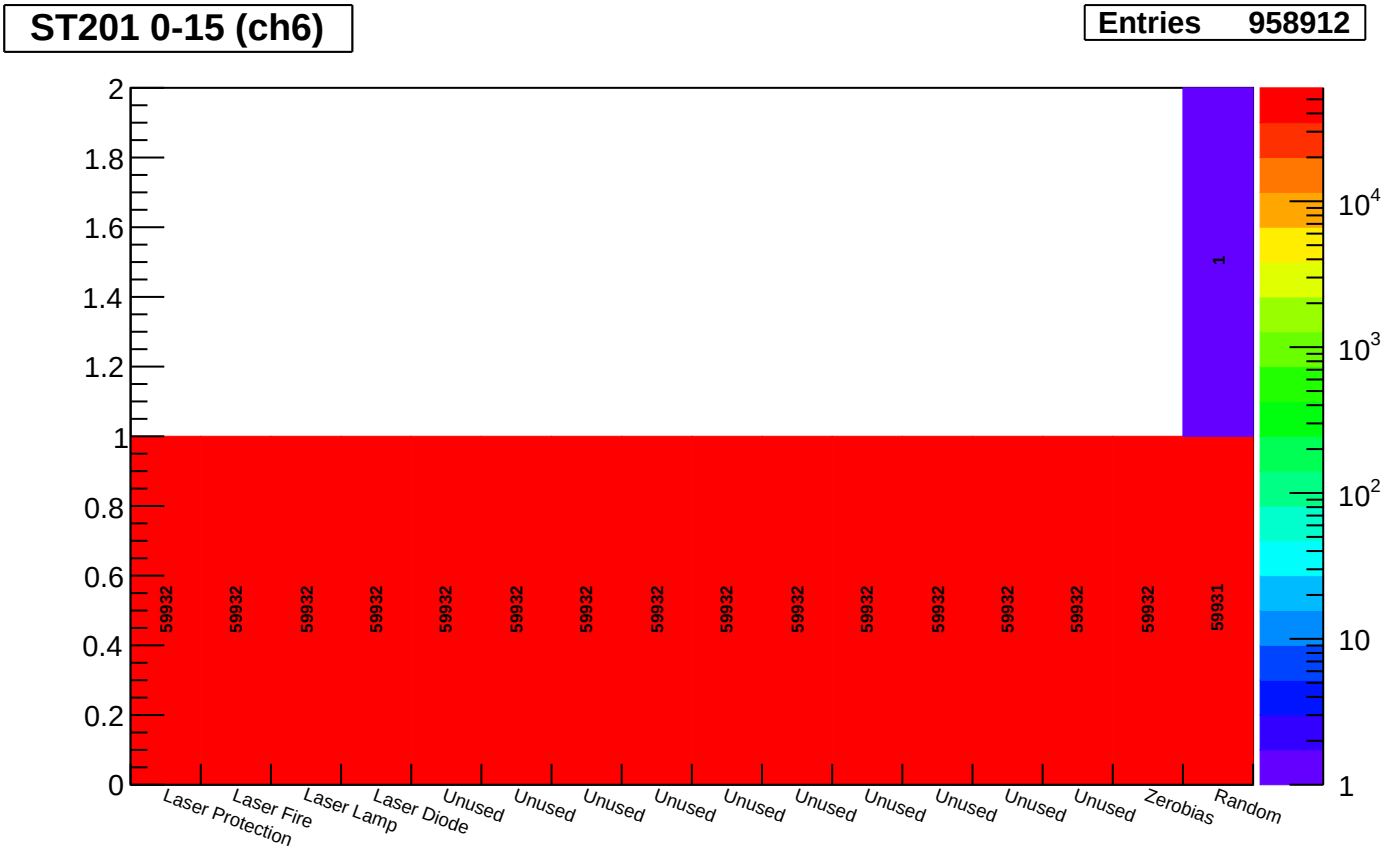

Entries 59932
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

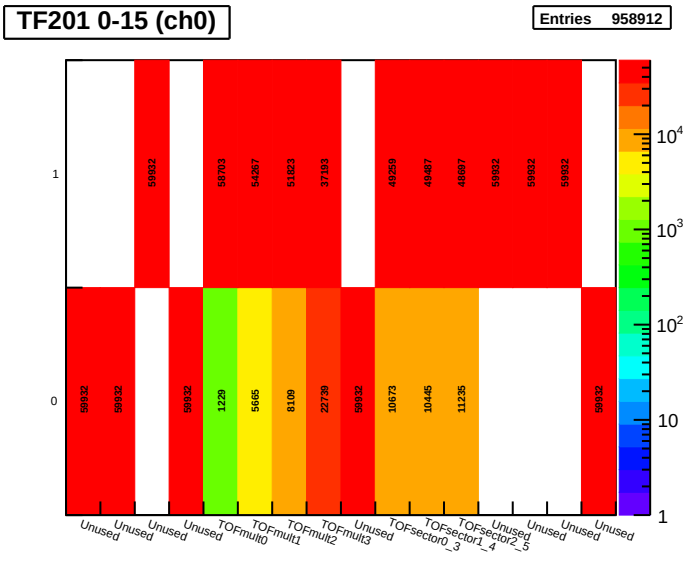

Entries 59932
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

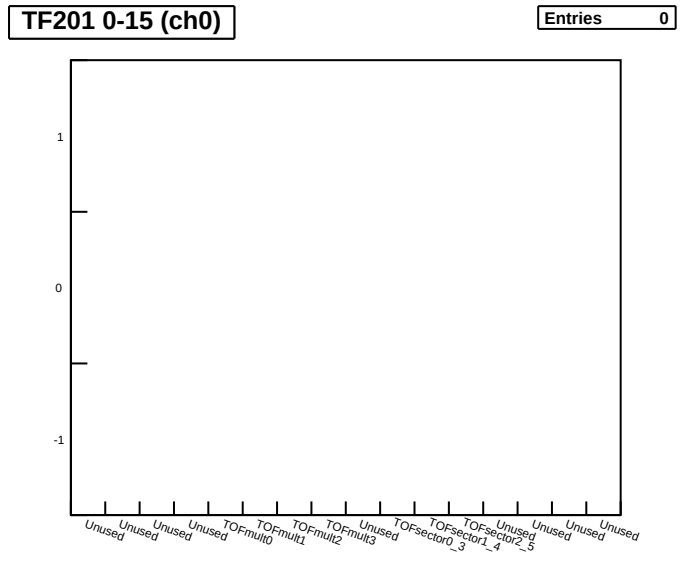

Entries 59932
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

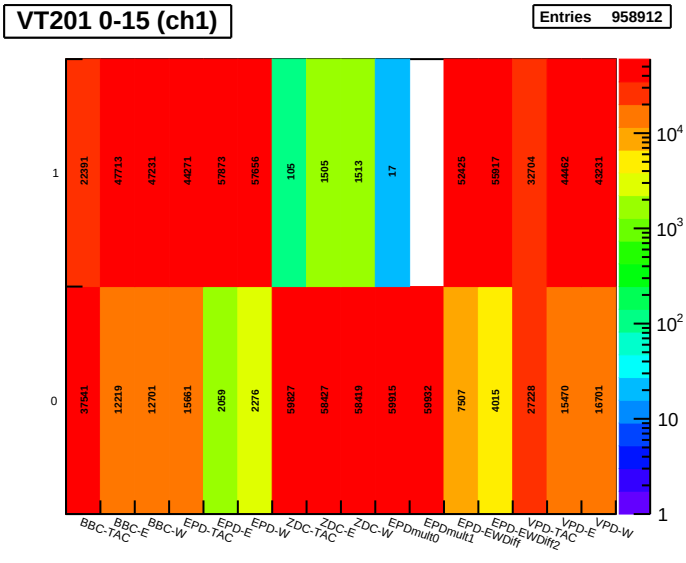

Entries 59932
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

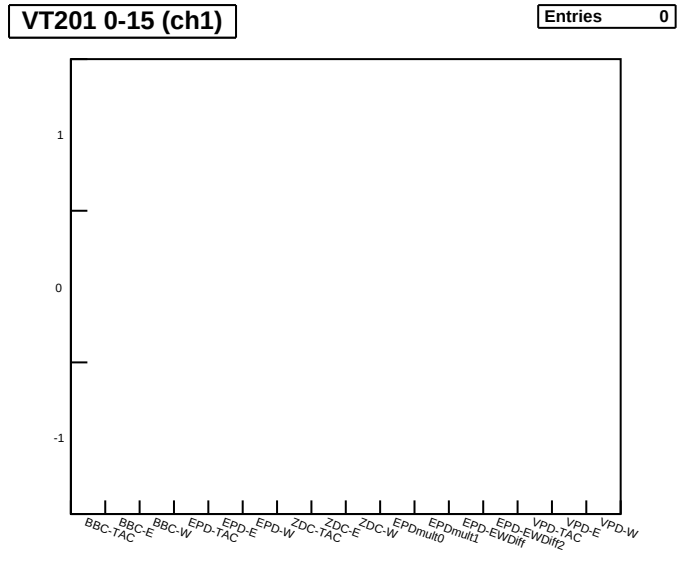

Laser Input Bits
Entries 59932
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

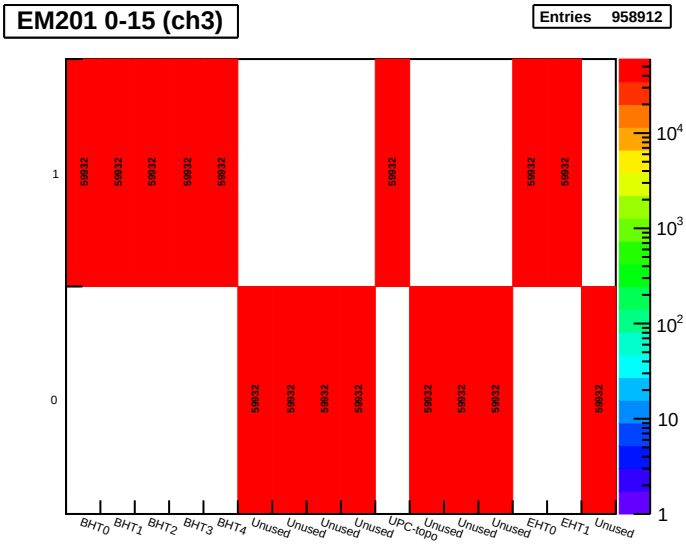

ST201 0-15 (ch6)
Entries 958912
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
59932
59931
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

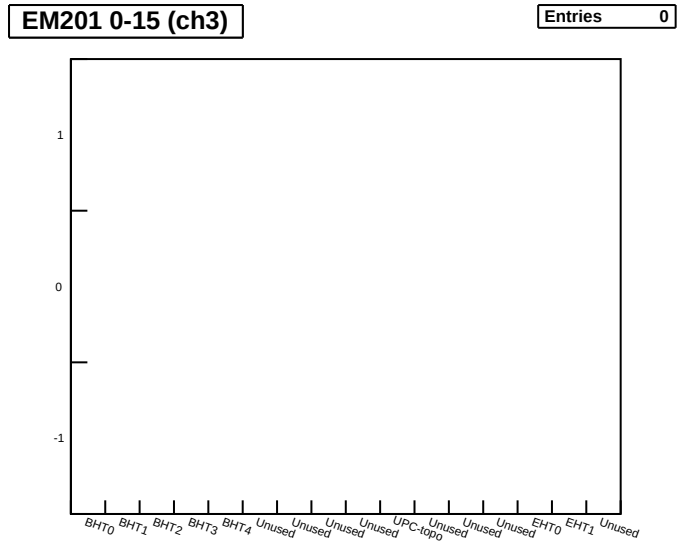

TF201 0-15 (ch0)
Entries 958912
1
0
59932
58703
54267
51823
37193
49259
49487
48697
59932
59932
59932
59932
59932
59932
1229
5665
8109
22739
59932
10673
10445
11235
59932
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
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 958912
1
0
22391
47713
47231
44271
57873
57656
105
1505
1513
17
52425
55917
32704
44462
42231
37541
12219
12701
15661
2069
2276
59827
58427
58419
59915
59932
7907
4015
27228
15470
16701
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 958912
1
0
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
59932
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