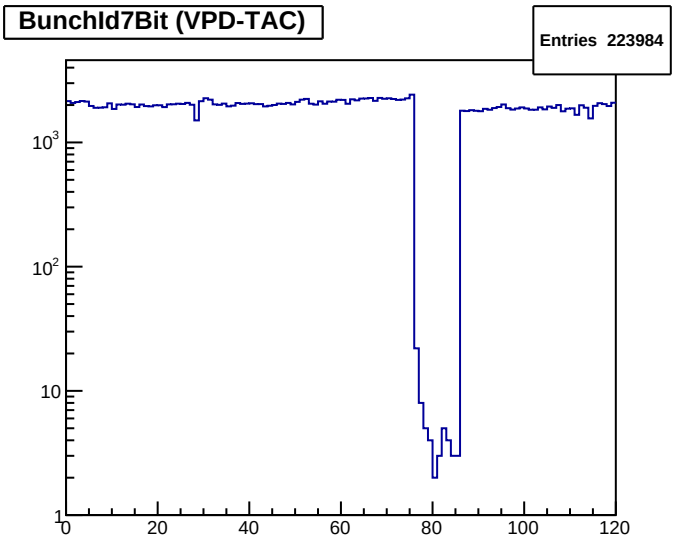
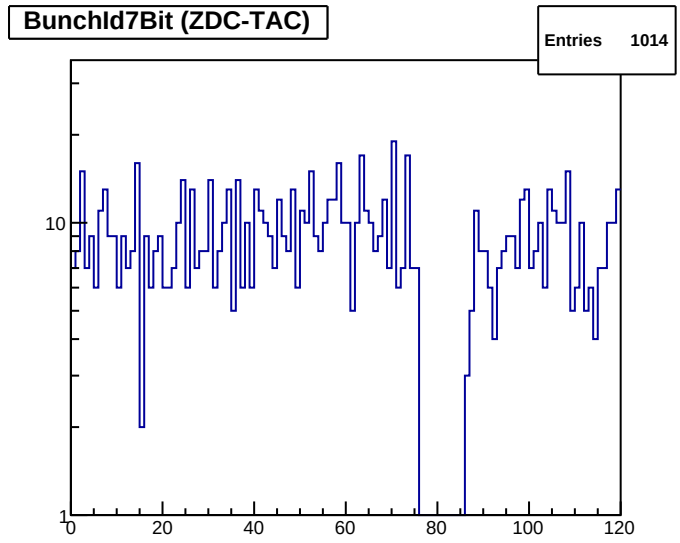
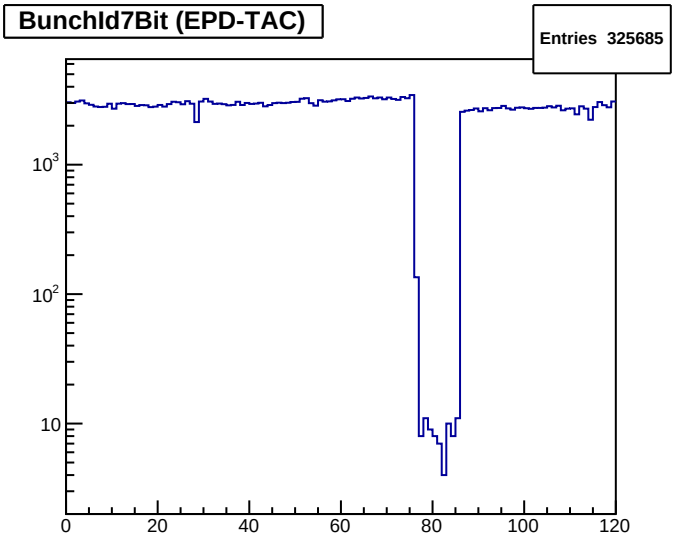
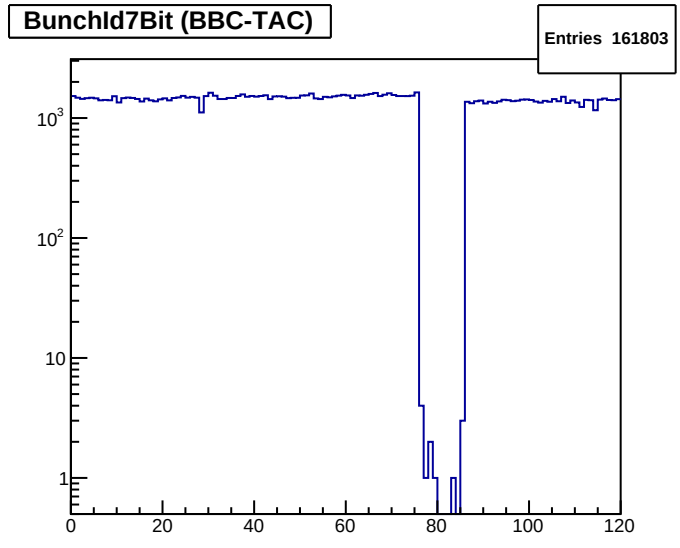
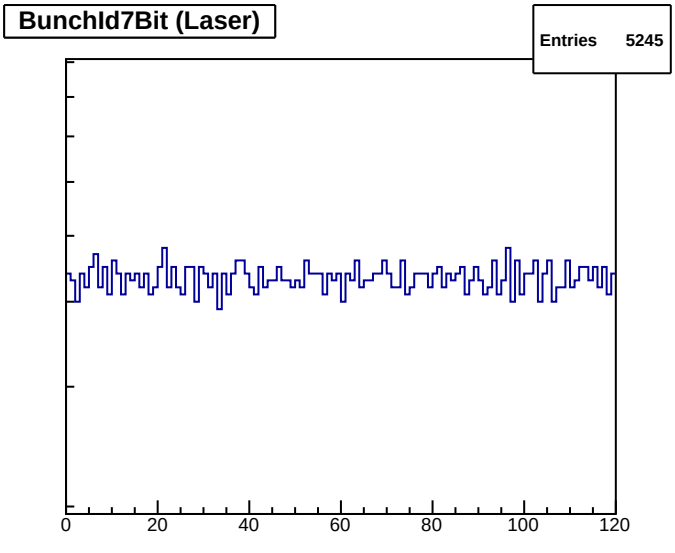
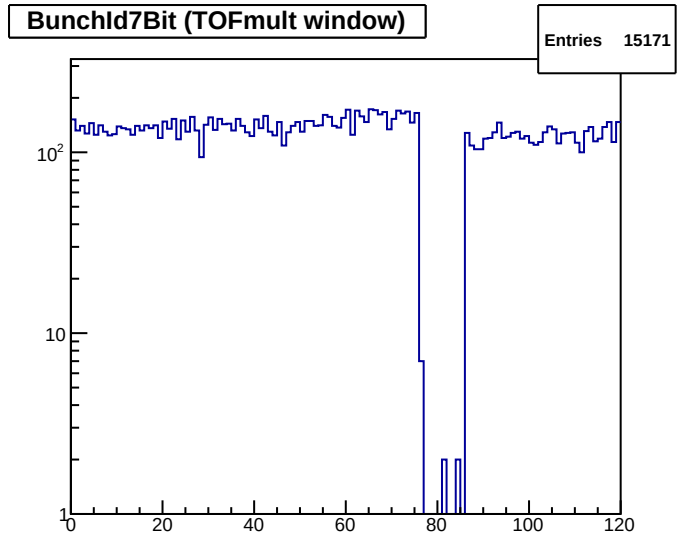

BunchId7Bit (VPD-TAC)
Entries 223984
10^3
10^2
10
1
0
20
40
60
80
100
120

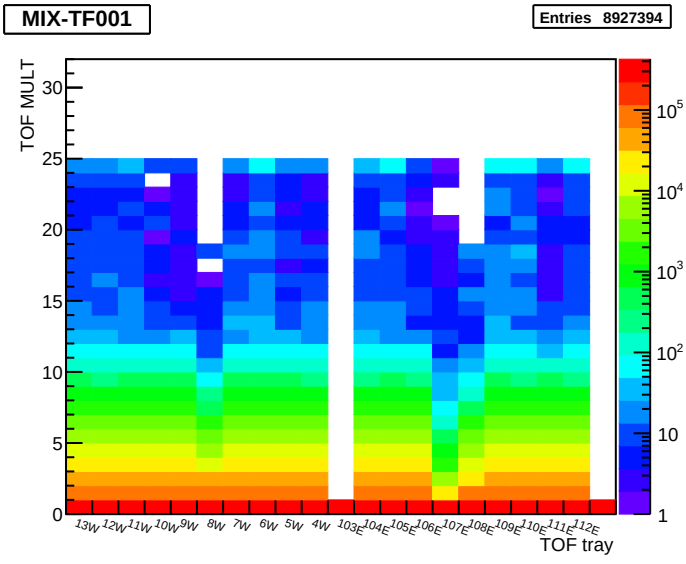

BunchId7Bit (ZDC-TAC)
Entries 1014
10
1
0
20
40
60
80
100
120

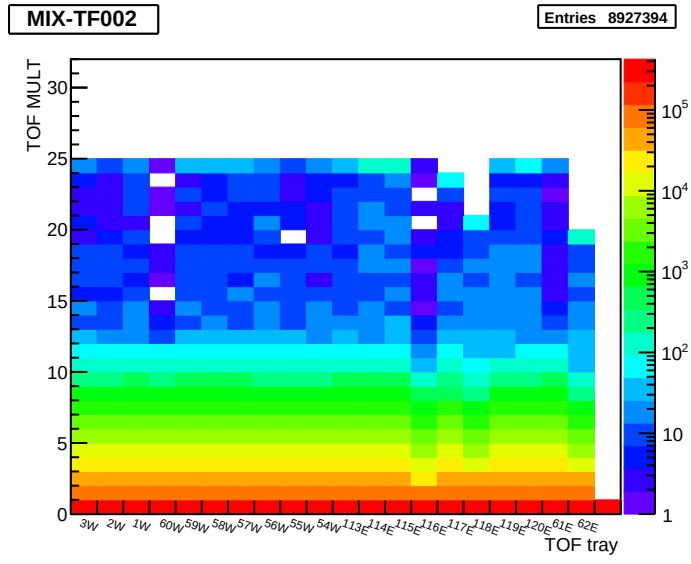

BunchId7Bit (EPD-TAC)
Entries 325685
10^3
10^2
10
0
20
40
60
80
100
120

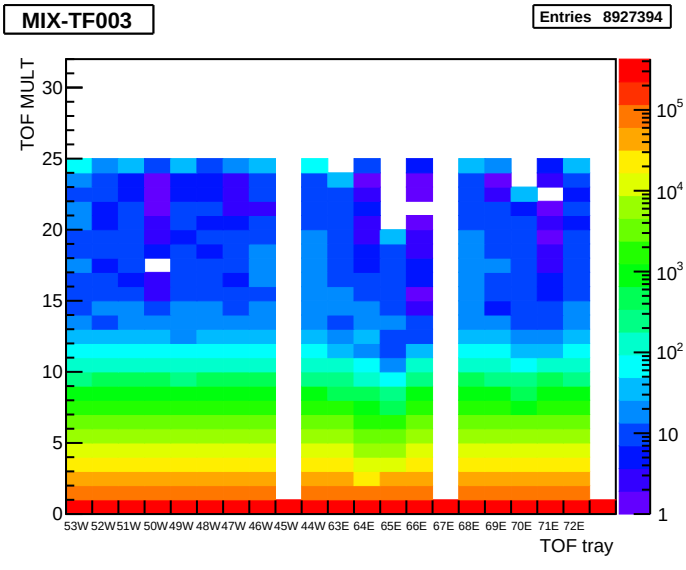

BunchId7Bit (BBC-TAC)
Entries 161803
10^3
10^2
10
1
0
20
40
60
80
100
120

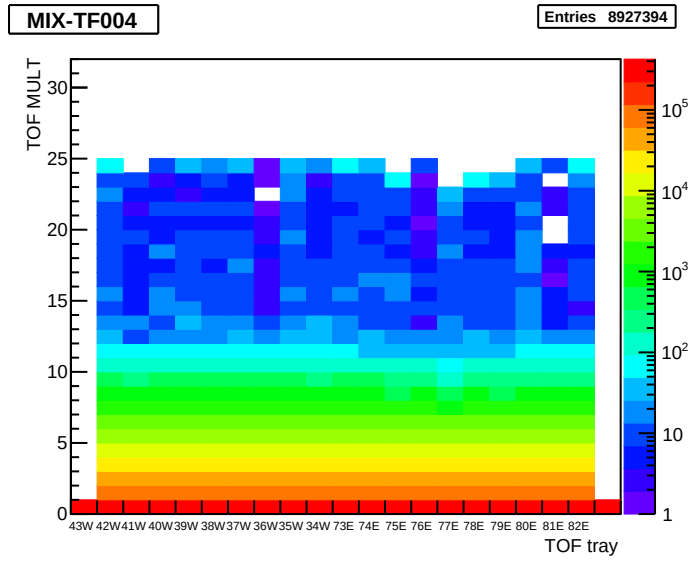

BunchId7Bit (Laser)
Entries 5245
0
20
40
60
80
100
120

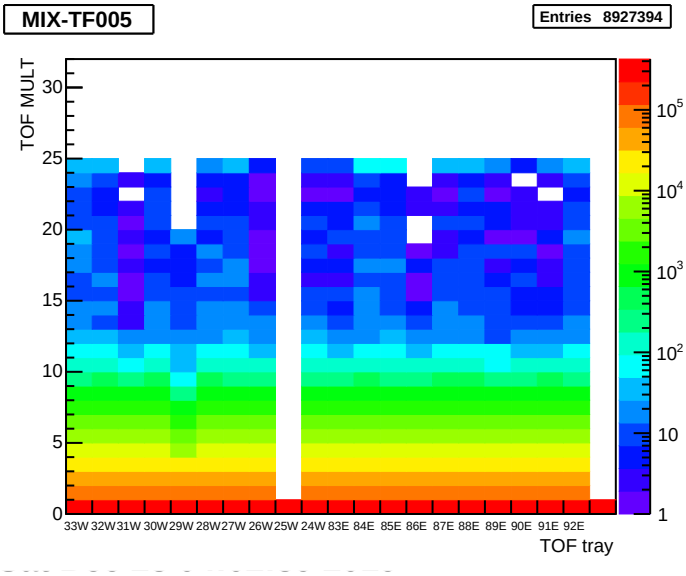

BunchId7Bit (TOFmult window)
Entries 15171
10^2
10
1
0
20
40
60
80
100
120

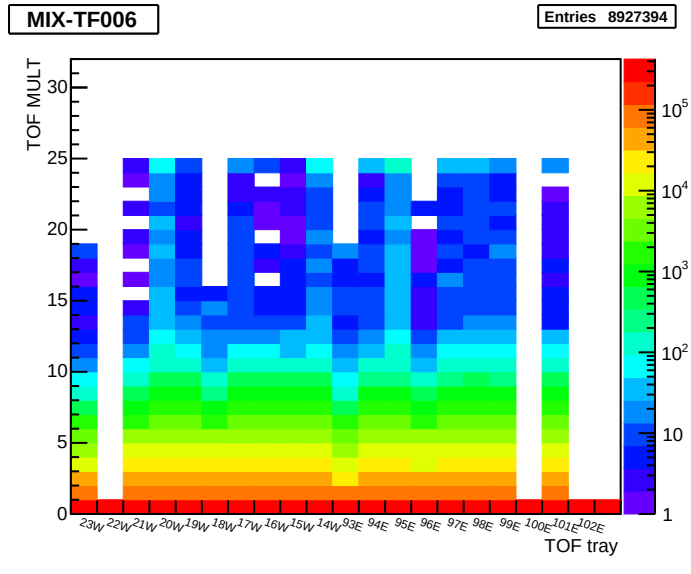

MIX-TF001
Entries 8927394
TOF MULT
TOF tray

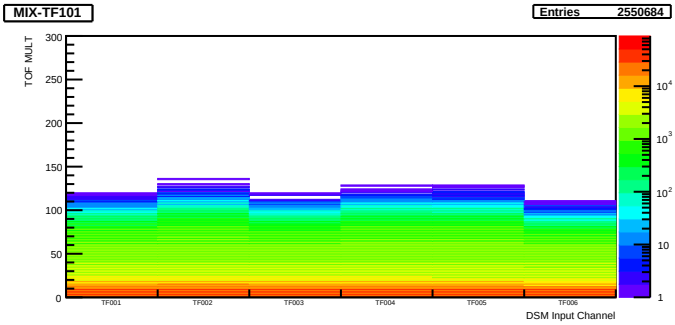

MIX-TF002
Entries 8927394
TOF MULT
TOF tray

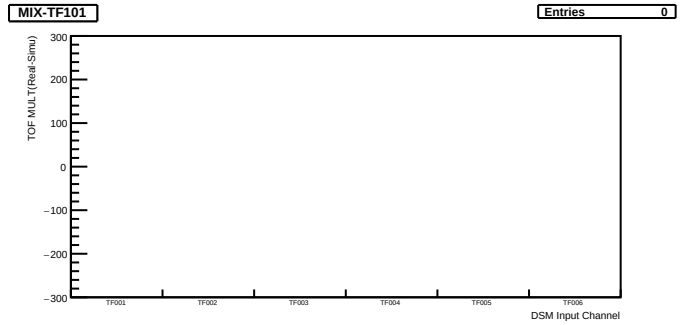

MIX-TF003
Entries 8927394
TOF MULT
TOF tray

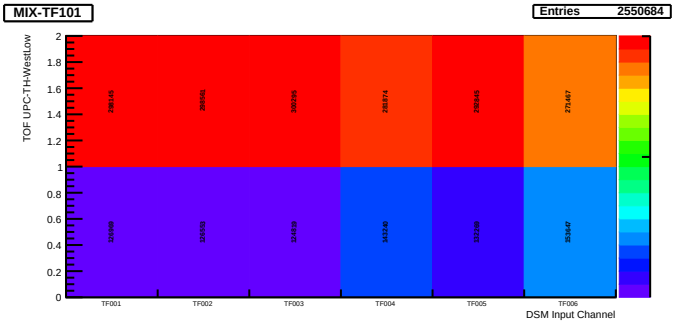

MIX-TF004
Entries 8927394
TOF MULT
TOF tray

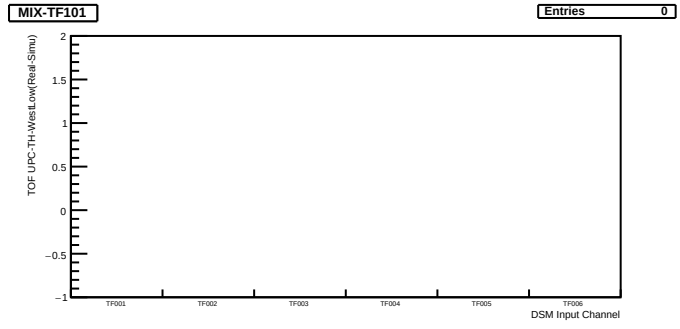

MIX-TF005
Entries 8927394
TOF MULT
TOF tray

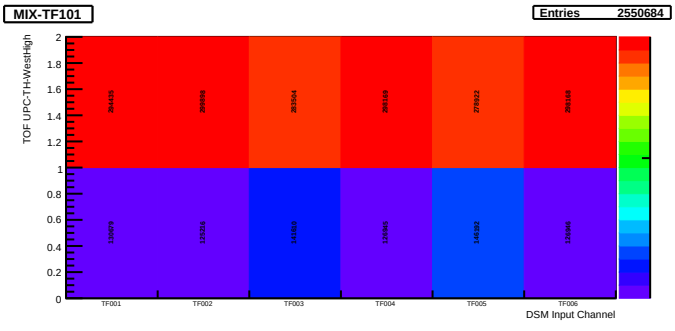

MIX-TF006
Entries 8927394
TOF MULT
TOF tray

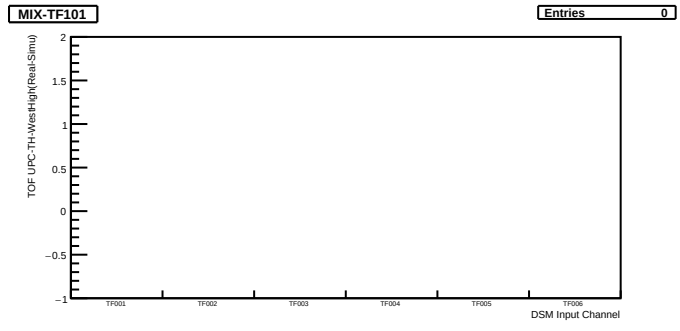

MIX-TF101
Entries 2550684
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

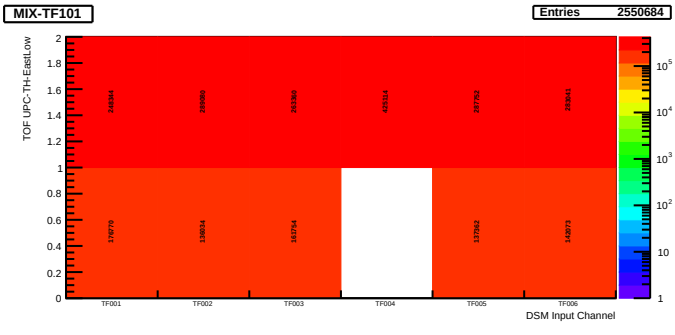

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

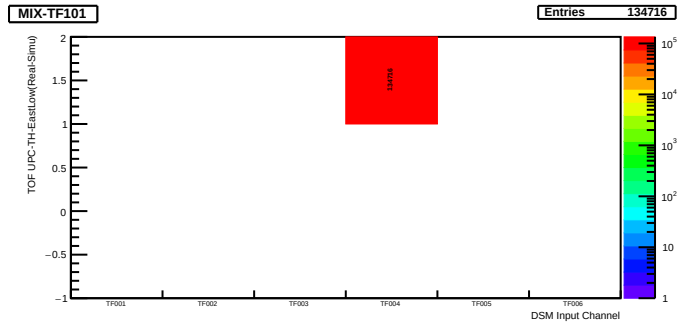

MIX-TF101
Entries 2550684
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

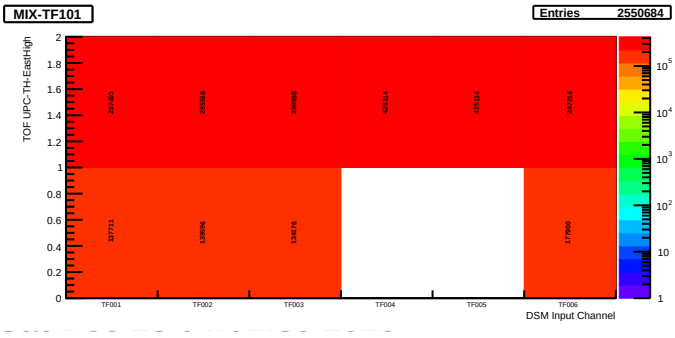

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

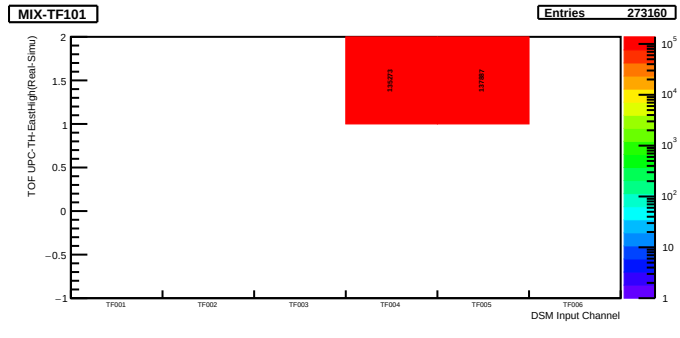

MIX-TF101
Entries 2550684
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

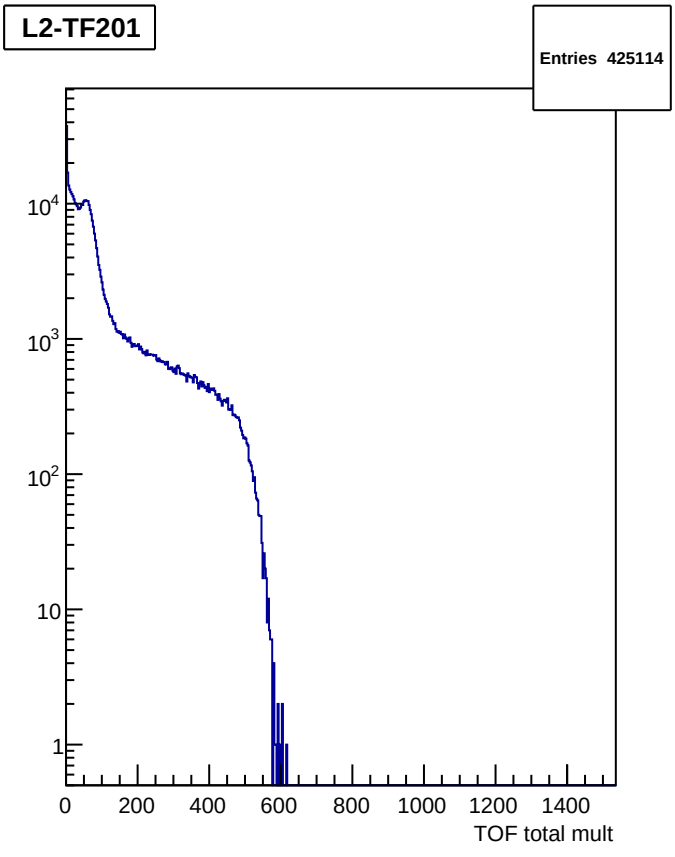

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

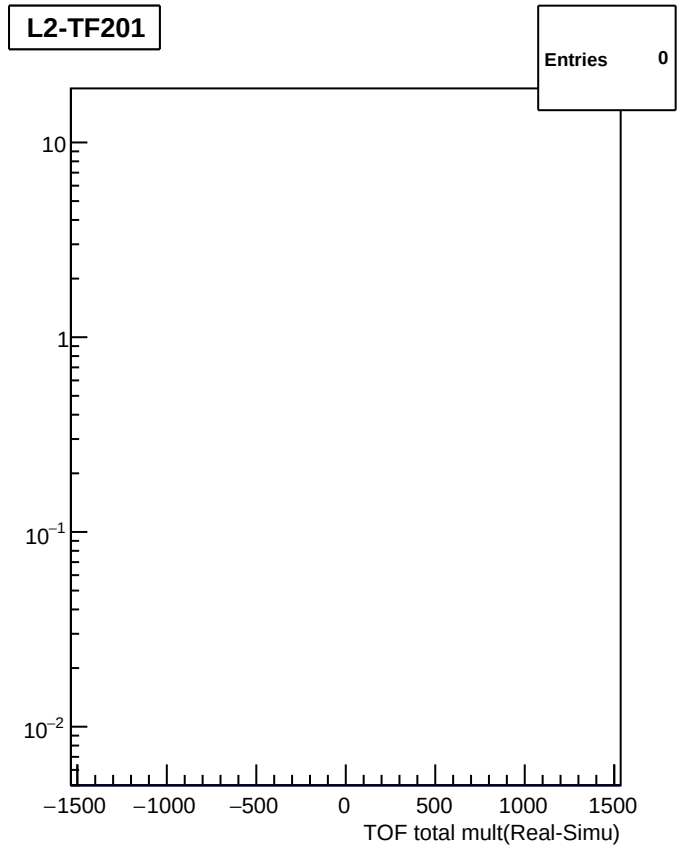

MIX-TF101
Entries 2550684
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

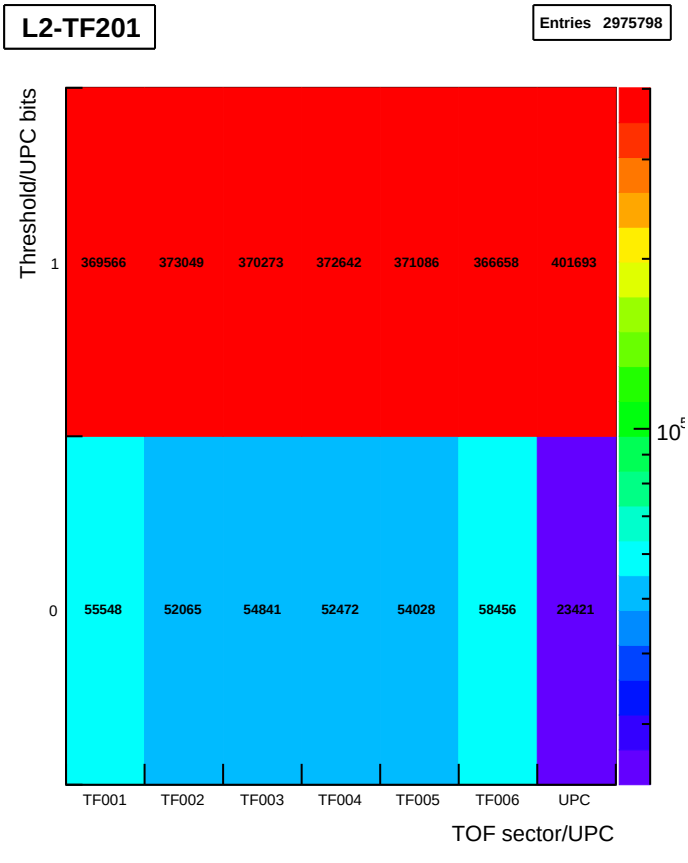

MIX-TF101
Entries 134716
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

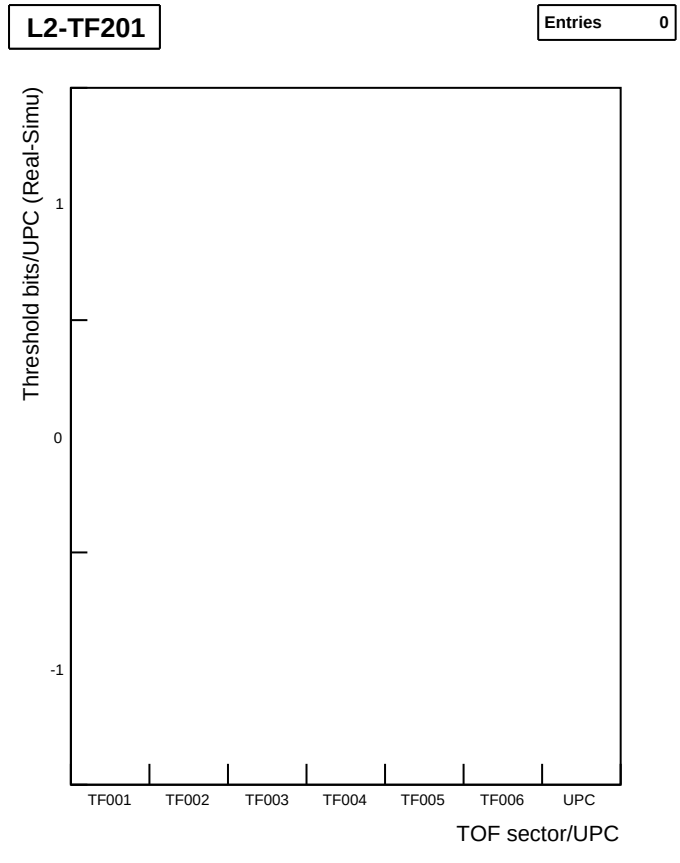

MIX-TF101
Entries 2550684
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

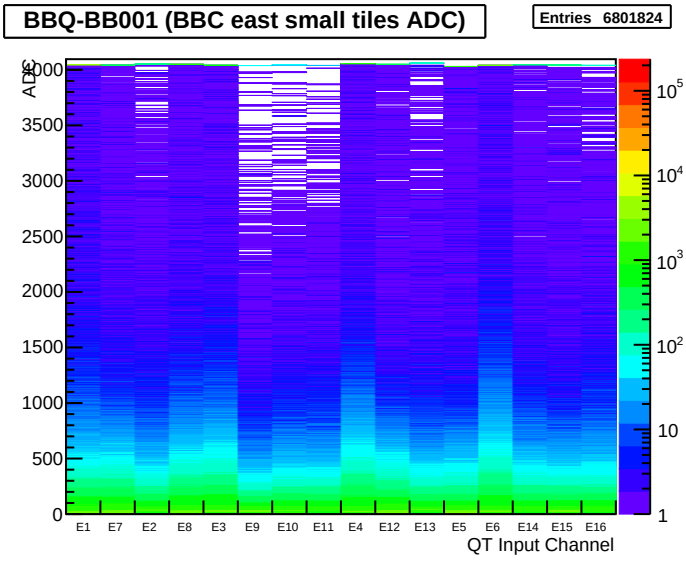

MIX-TF101
Entries 273160
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

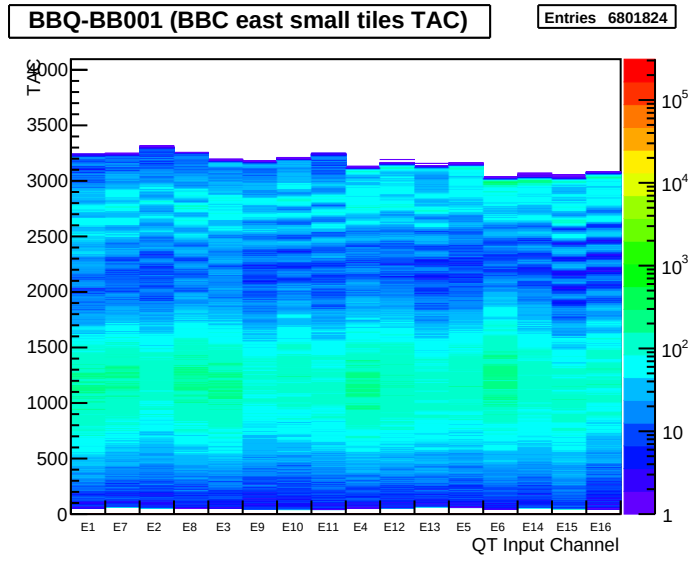

L2-TF201
Entries 425114
TOF total mult

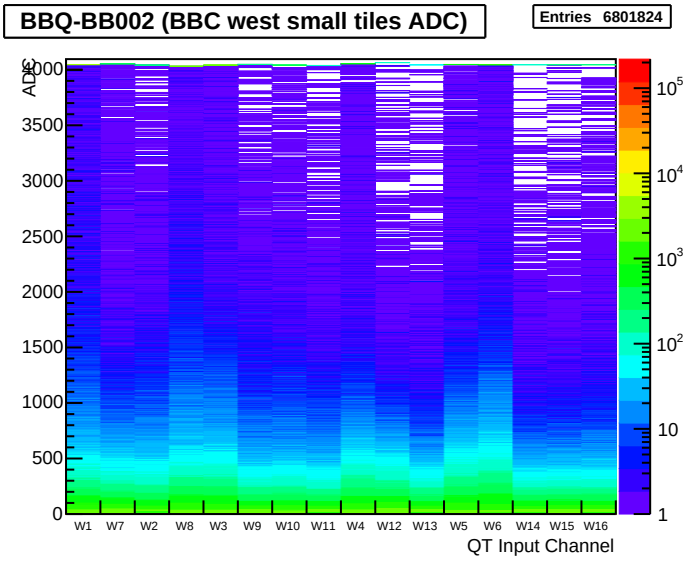

L2-TF201
Entries 0
TOF total mult(Real-Simu)

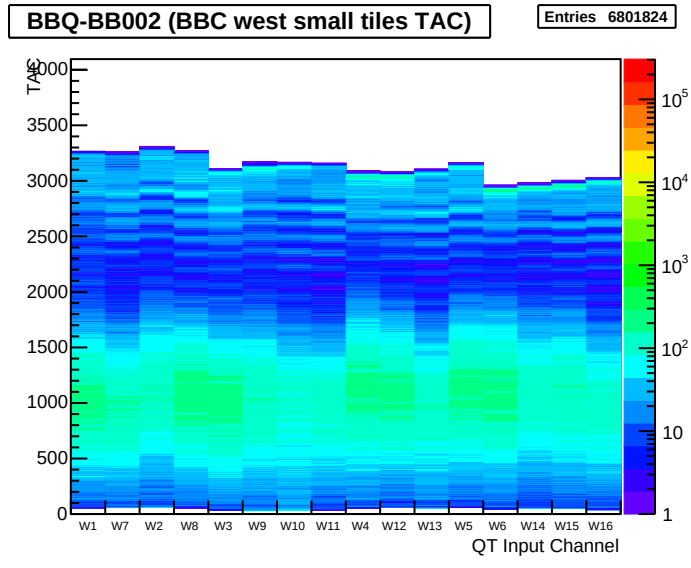

L2-TF201
Entries 2975798
Threshold/UPC bits
369566
373049
370273
372642
371086
366658
401693
55548
52065
54841
52472
54028
58456
23421
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

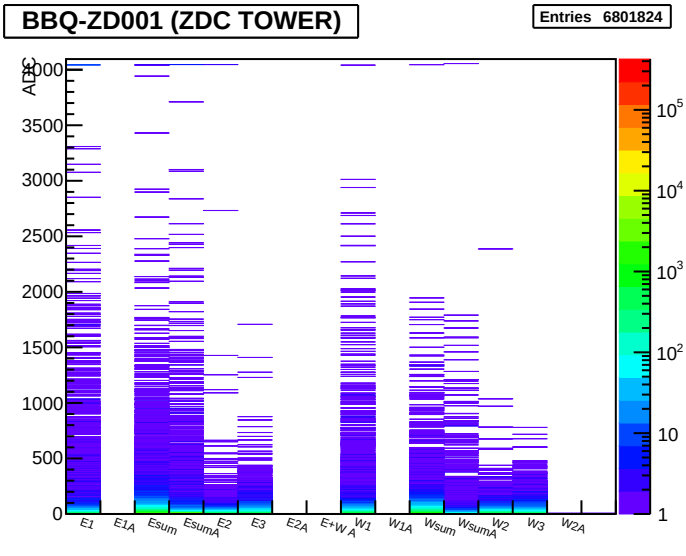

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

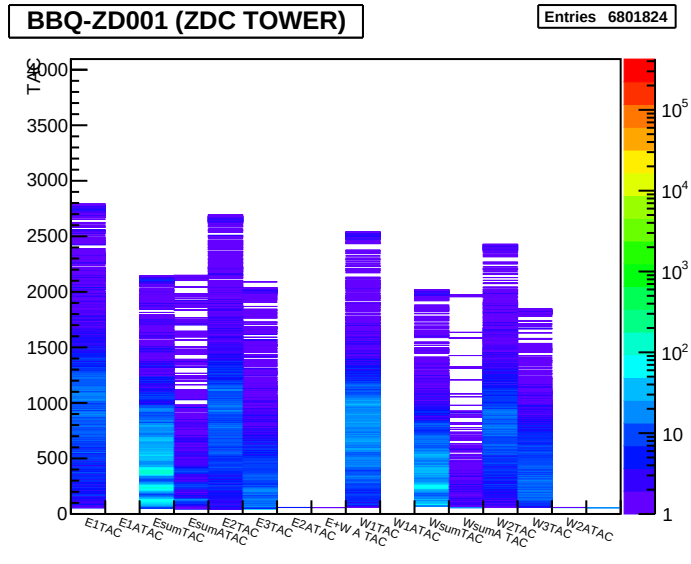

BBQ-BB001 (BBC east small tiles ADC)
Entries 6801824
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

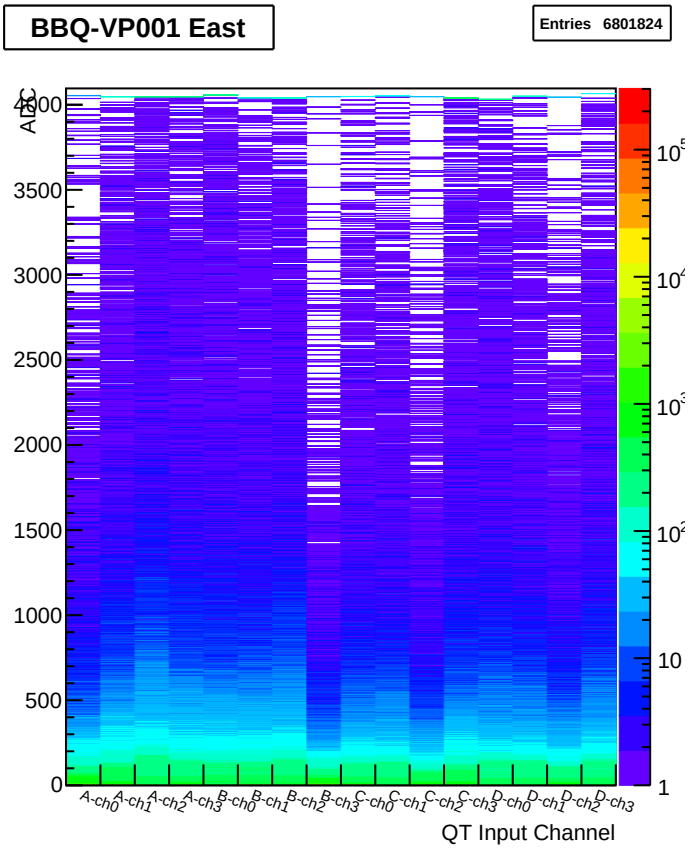

BBQ-BB001 (BBC east small tiles TAC)
Entries 6801824
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

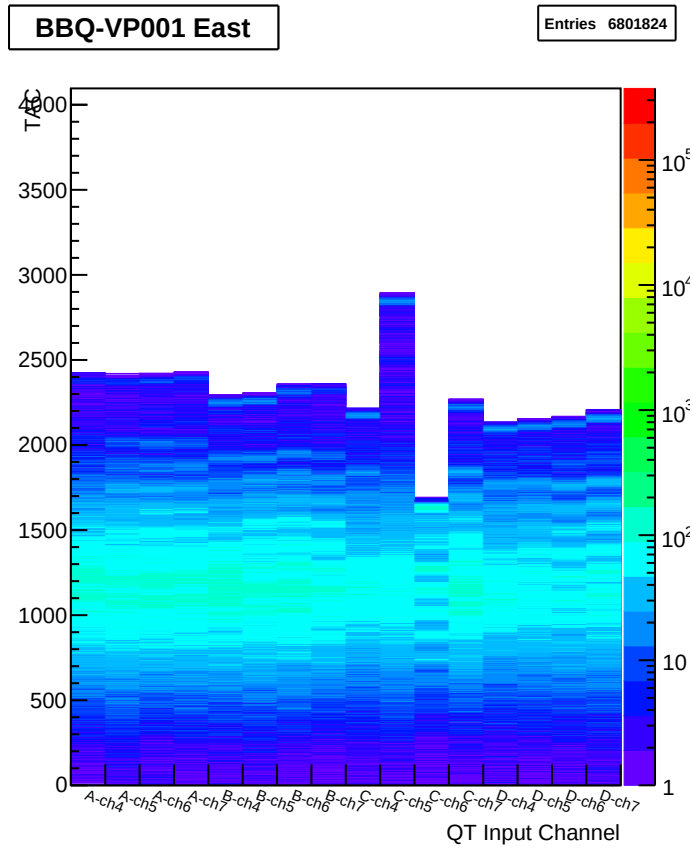

BBQ-BB002 (BBC west small tiles ADC)
Entries 6801824
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

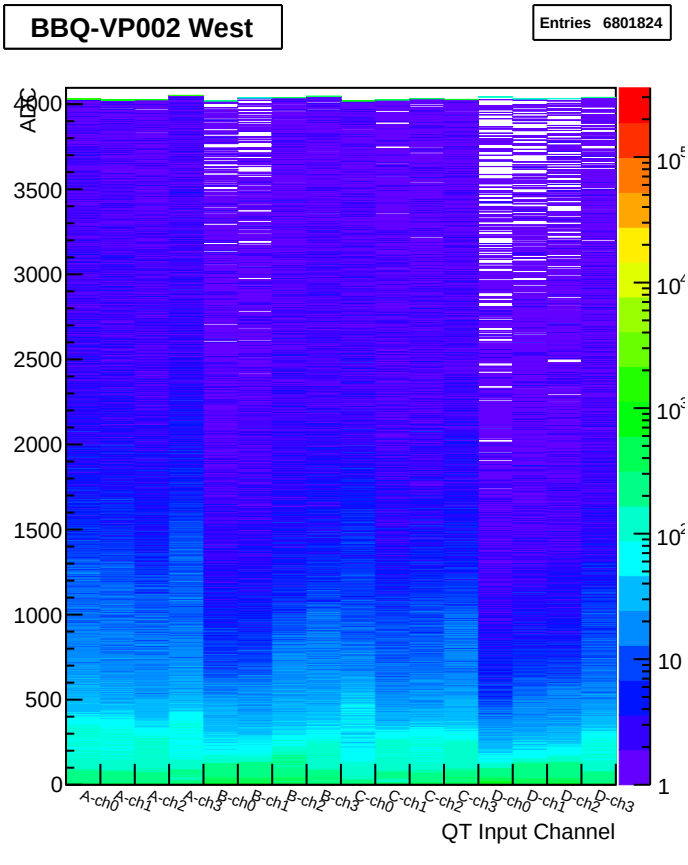

BBQ-BB002 (BBC west small tiles TAC)
Entries 6801824
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

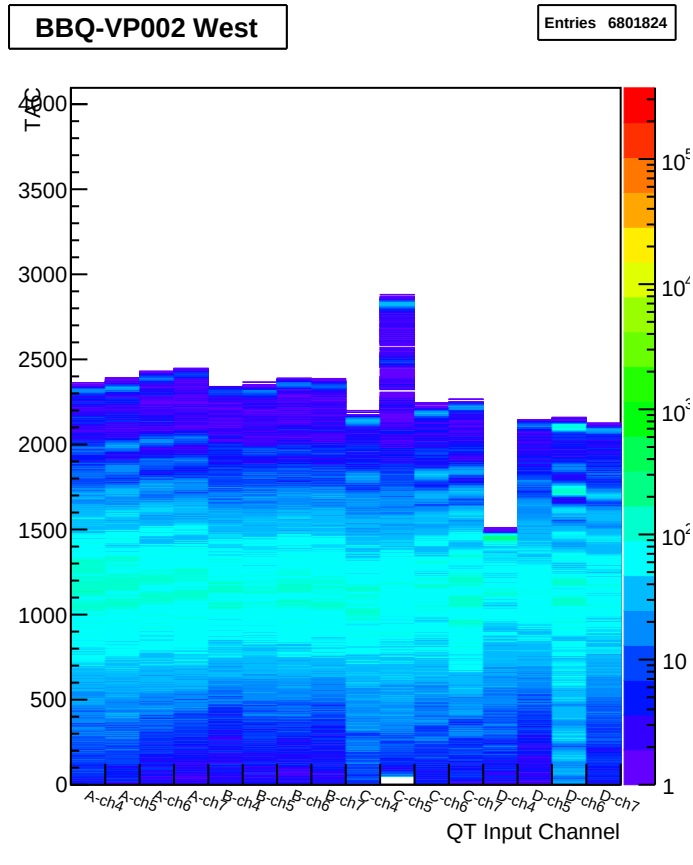

BBQ-ZD001 (ZDC TOWER)
Entries 6801824
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

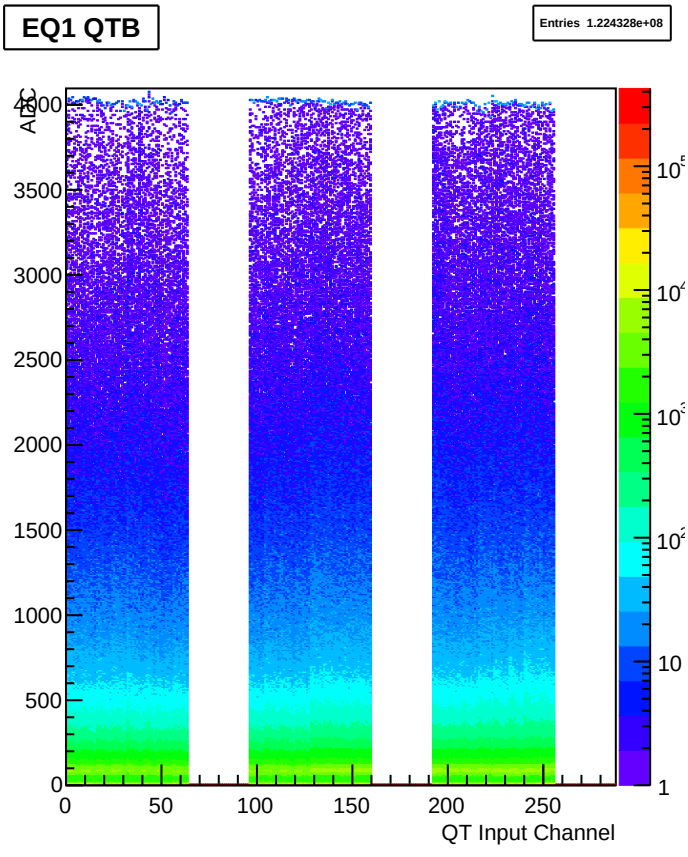

BBQ-ZD001 (ZDC TOWER)
Entries 6801824
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

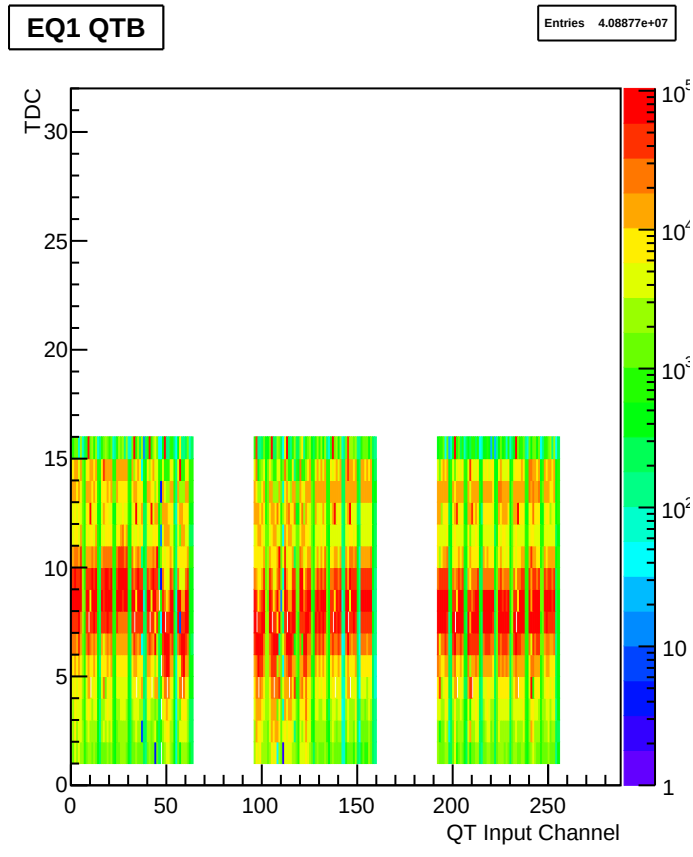

BBQ-VP001 East
Entries 6801824
ADC
QT Input Channel

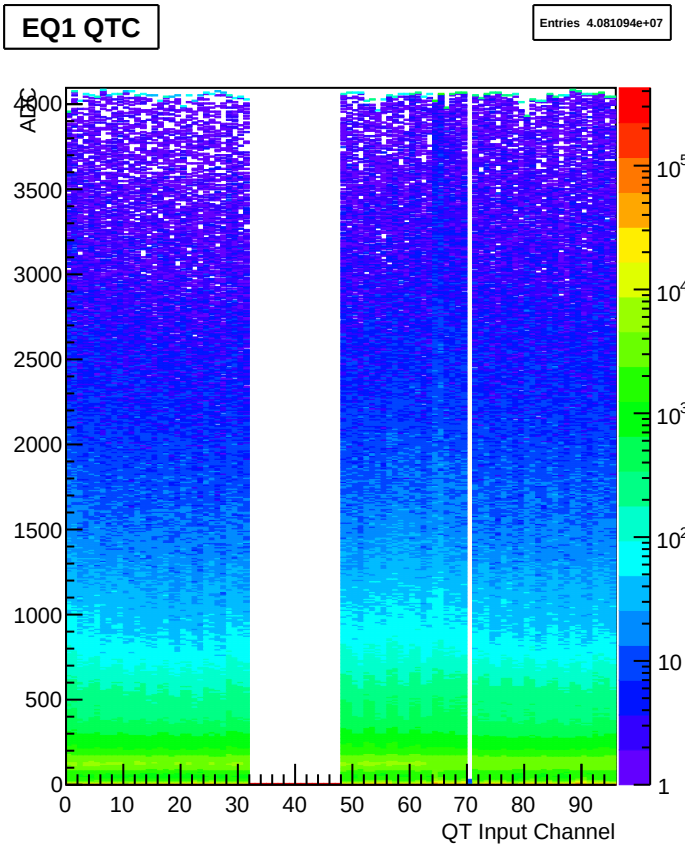

BBQ-VP001 East
Entries 6801824
TADC
QT Input Channel

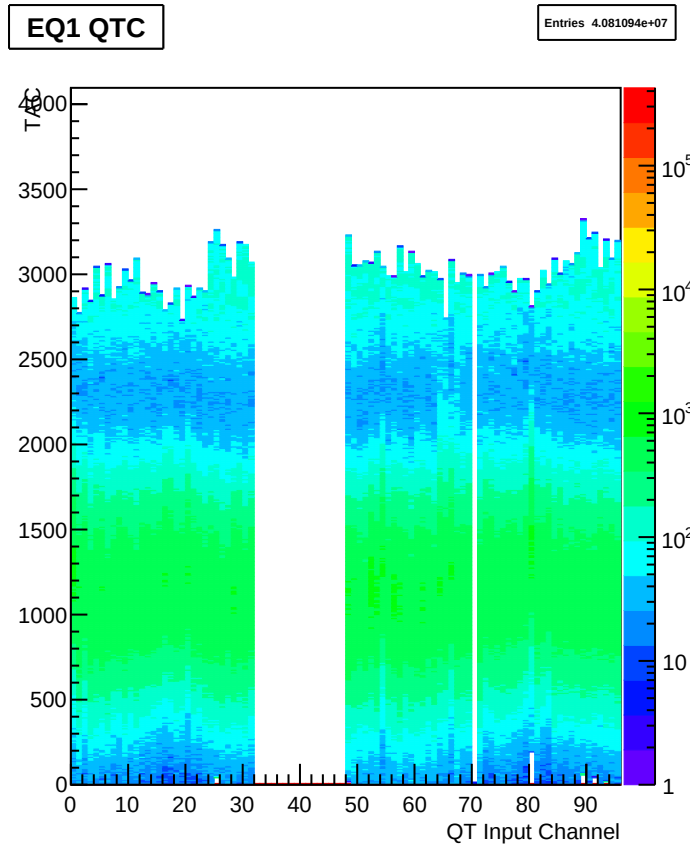

BBQ-VP002 West
Entries 6801824
ADC
QT Input Channel

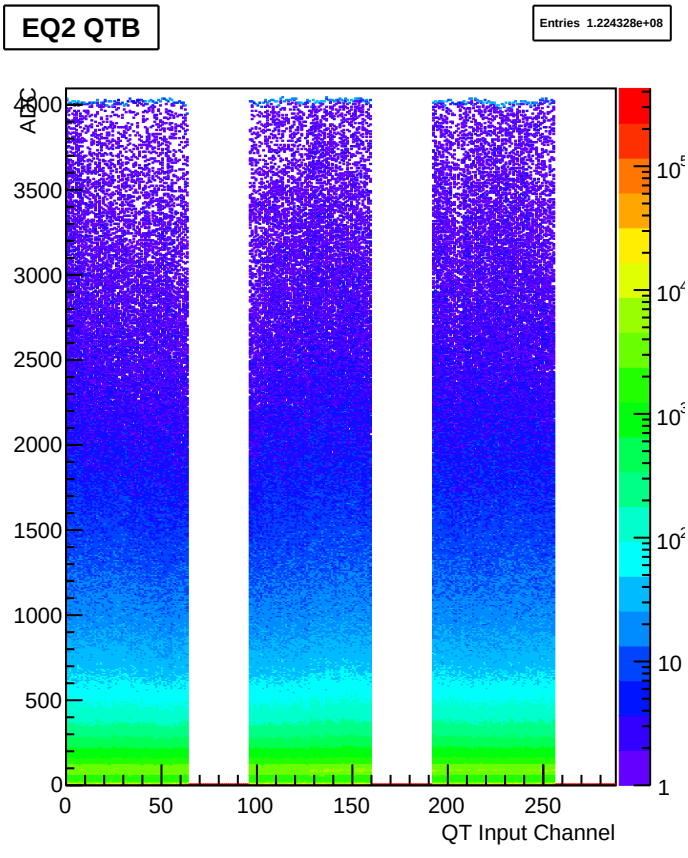

BBQ-VP002 West
Entries 6801824
TADC
QT Input Channel

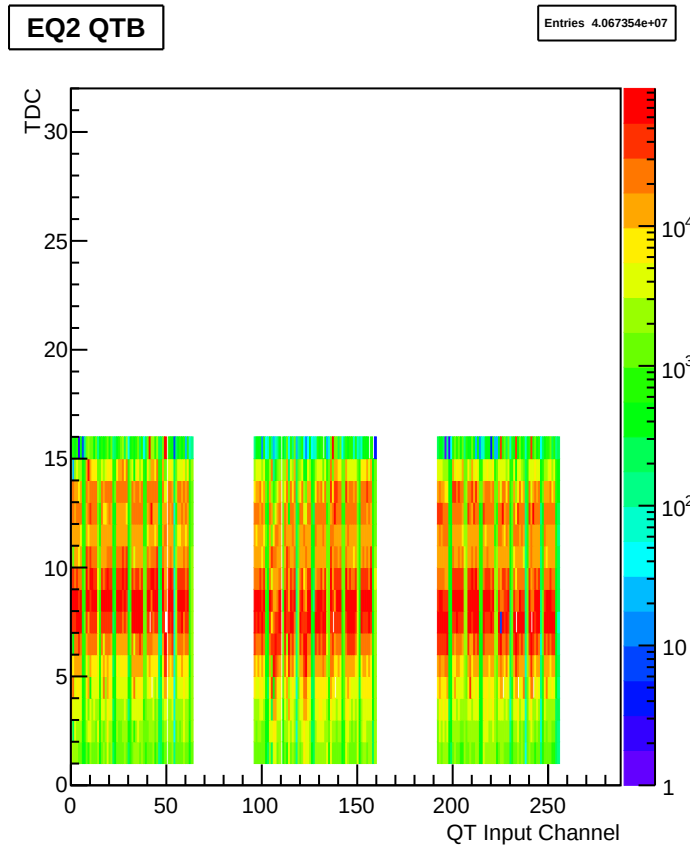

EQ1 QTB
Entries 1.224328e+08
ADC
QT Input Channel

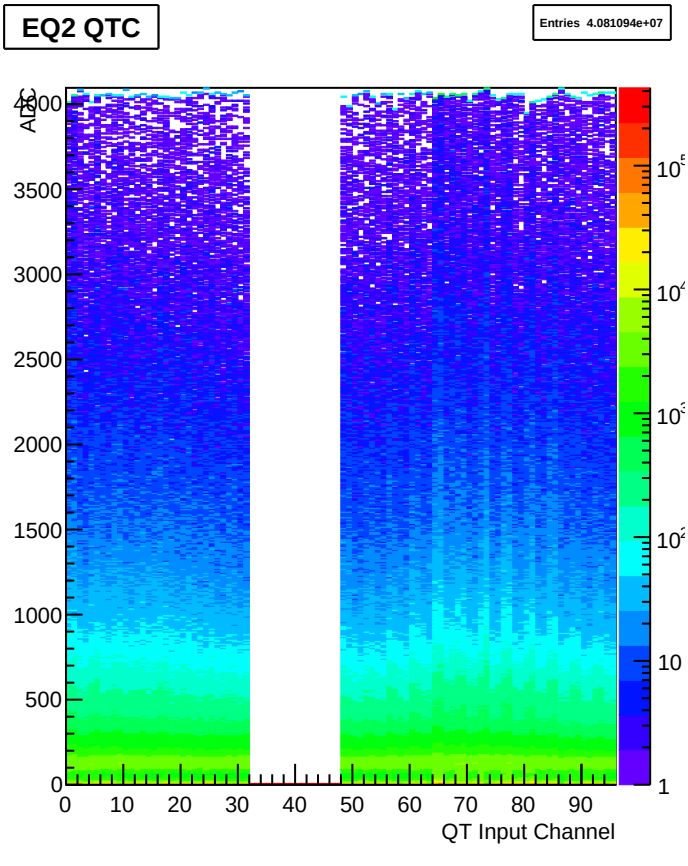

EQ1 QTB
Entries 4.08877e+07
TDC
QT Input Channel

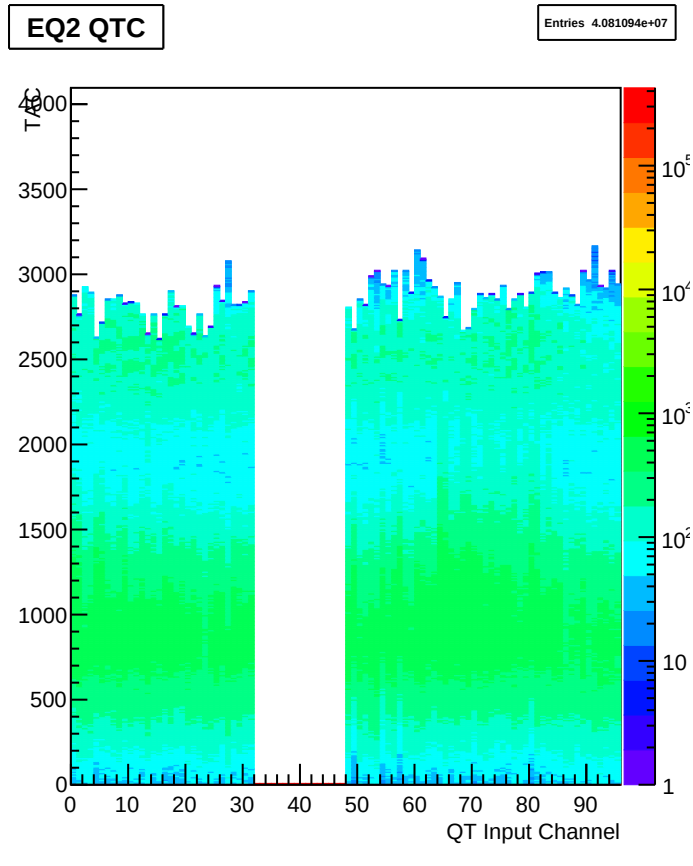

EQ1 QTC
Entries 4.081094e+07
ADC
QT Input Channel

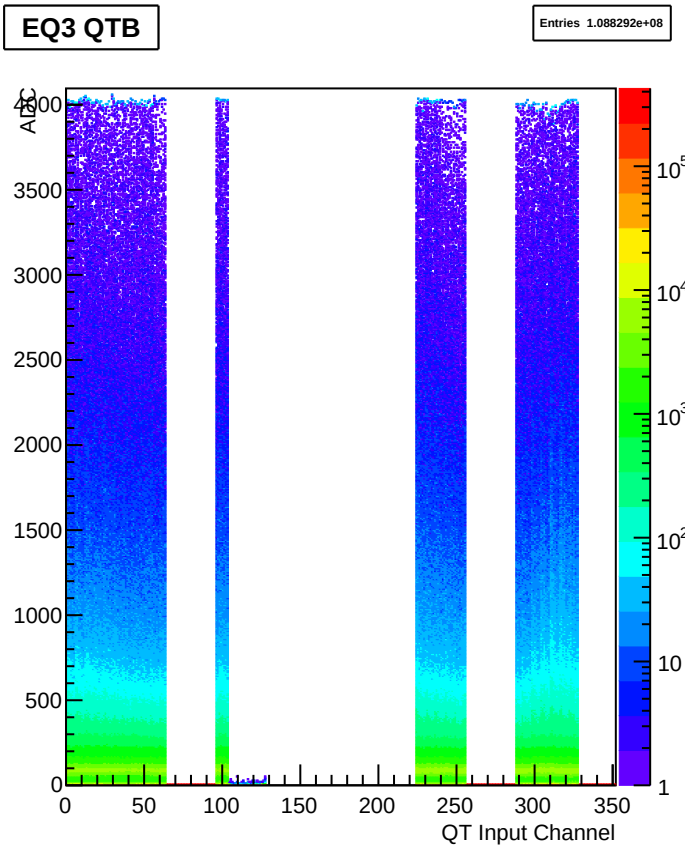

EQ1 QTC
Entries 4.081094e+07
TADC
QT Input Channel

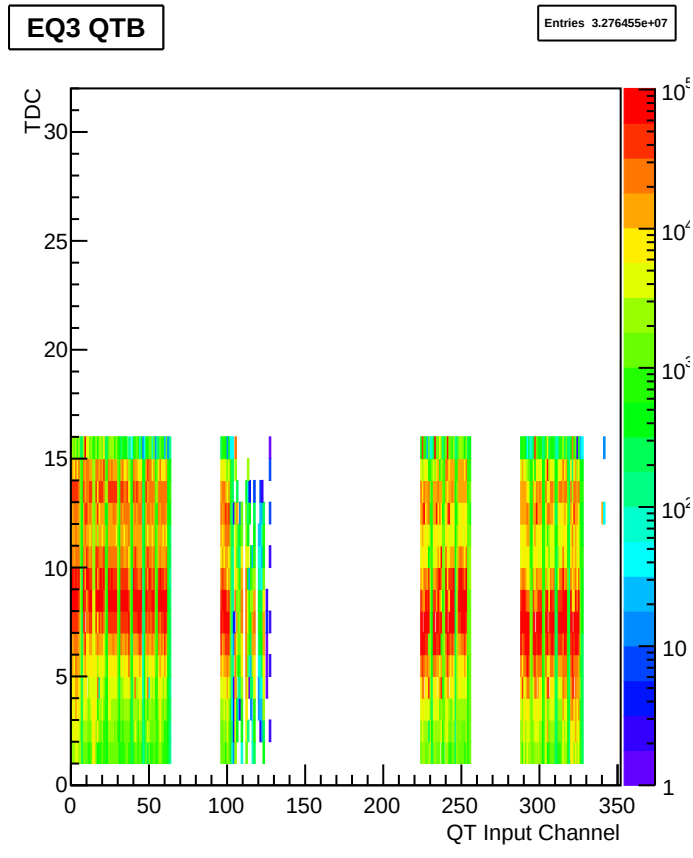

EQ2 QTB
Entries 1.224328e+08
ADC
QT Input Channel

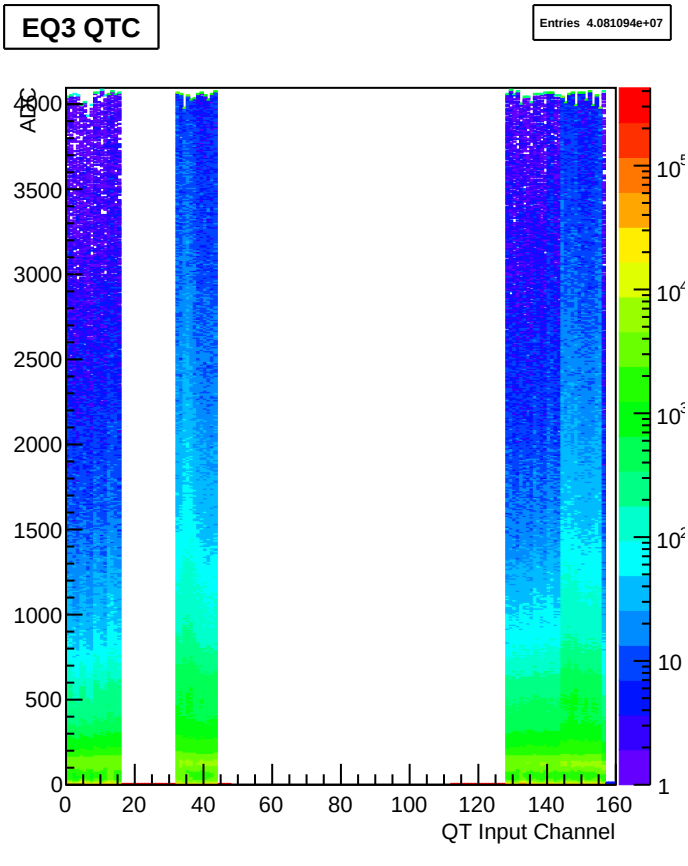

EQ2 QTB
Entries 4.067354e+07
TDC
QT Input Channel

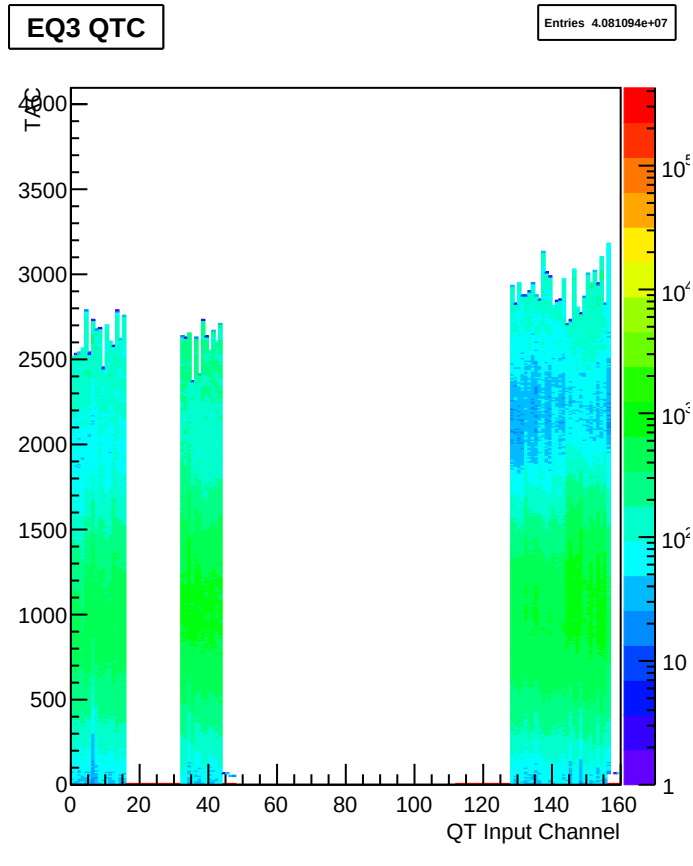

EQ2 QTC
Entries 4.081094e+07
ADC
QT Input Channel

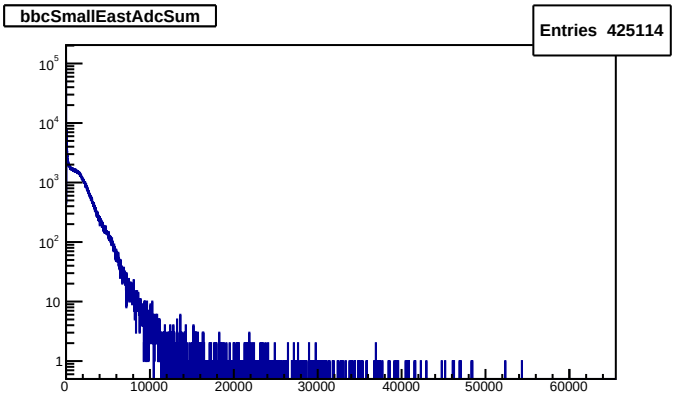

EQ2 QTC
Entries 4.081094e+07
TADC
QT Input Channel

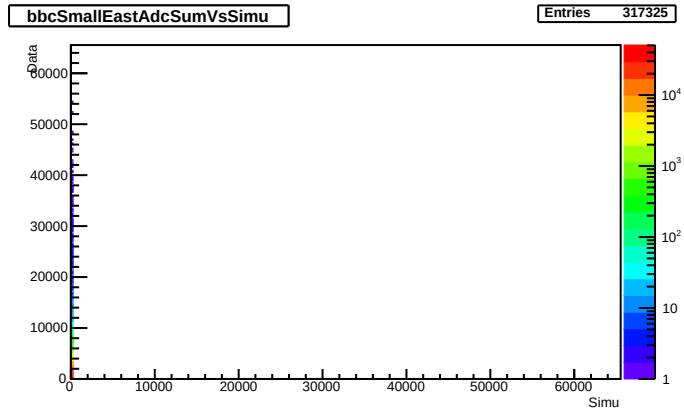

EQ3 QTB
Entries 1.088292e+08
ADC
QT Input Channel

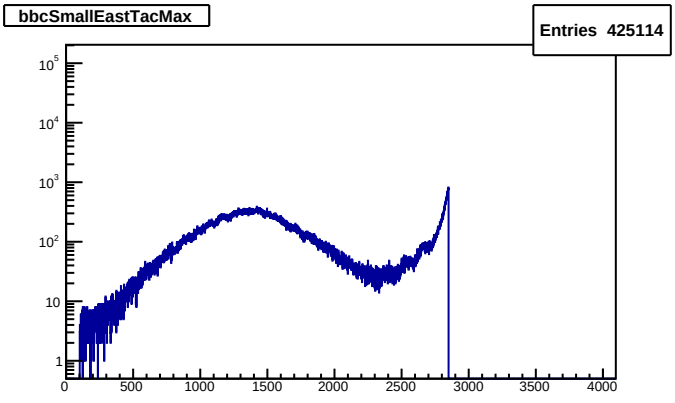

EQ3 QTB
Entries 3.276455e+07
TDC
QT Input Channel

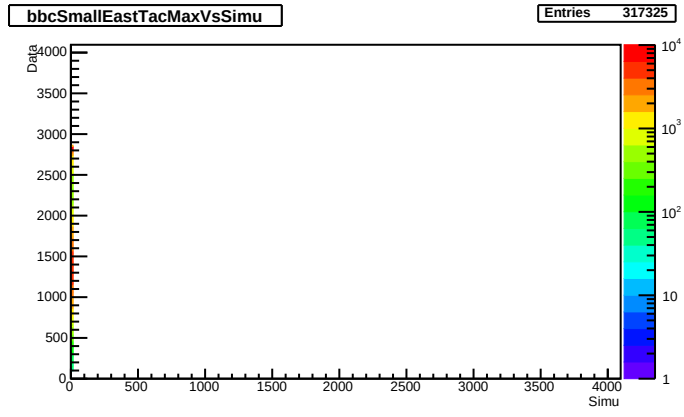

EQ3 QTC
Entries 4.081094e+07
ADC
QT Input Channel

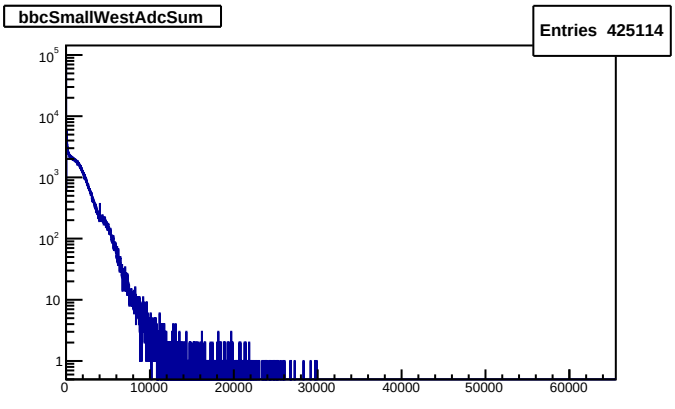

EQ3 QTC
Entries 4.081094e+07
TADC
QT Input Channel

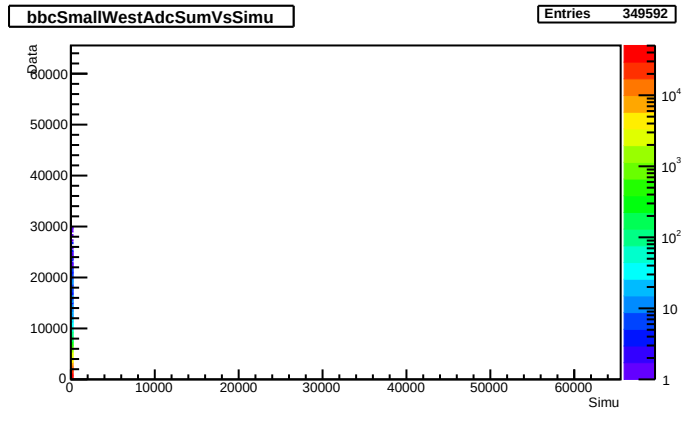

bbcSmallEastAdcSum
Entries 425114


bbcSmallEastAdcSumVsSimu
Entries 317325
Data
Simu


bbcSmallEastTacMax
Entries 425114


bbcSmallEastTacMaxVsSimu
Entries 317325
Data
Simu


bbcSmallWestAdcSum
Entries 425114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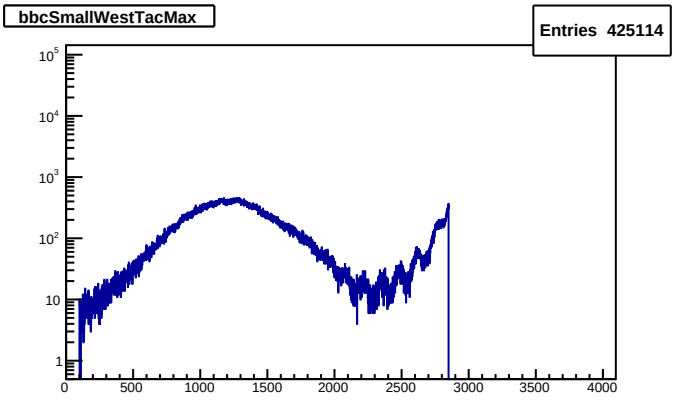
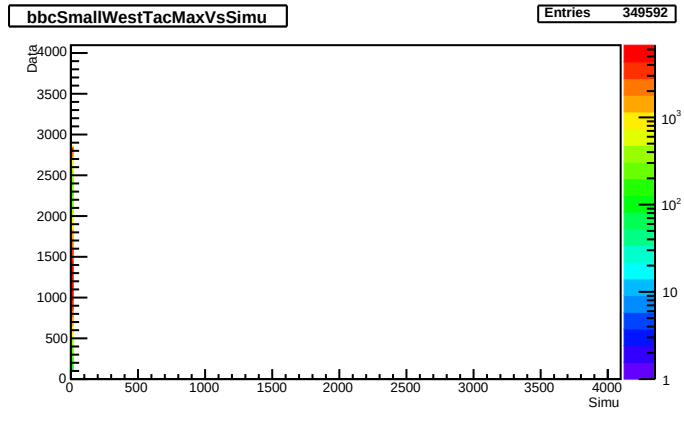
Entries 349592
Data
Simu


bbcSmallWestTacMax
Entries 425114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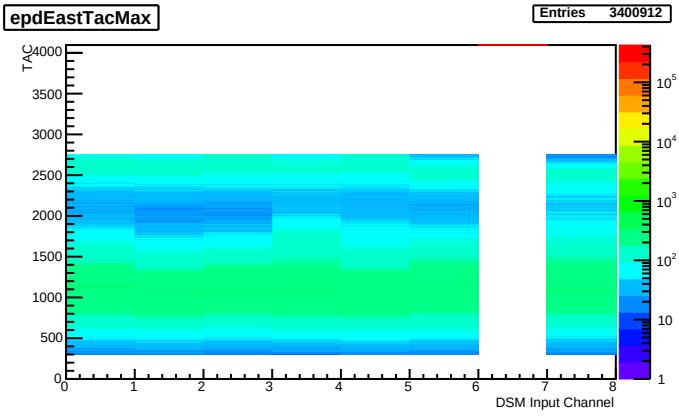
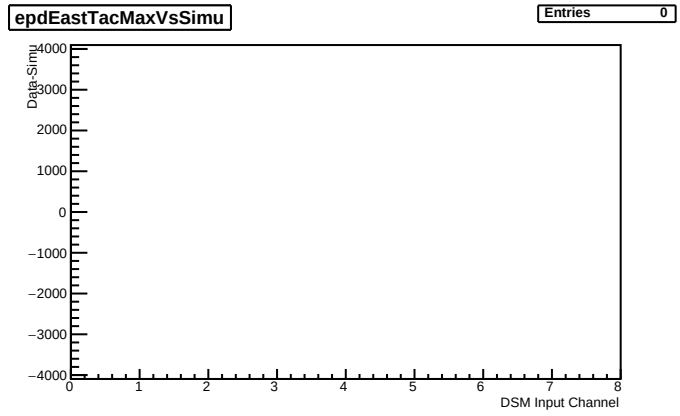
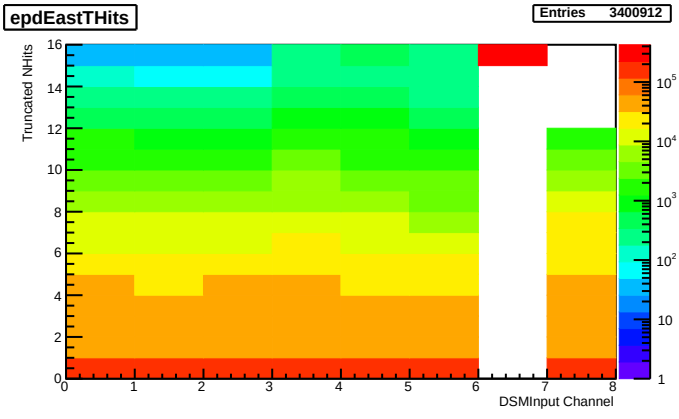
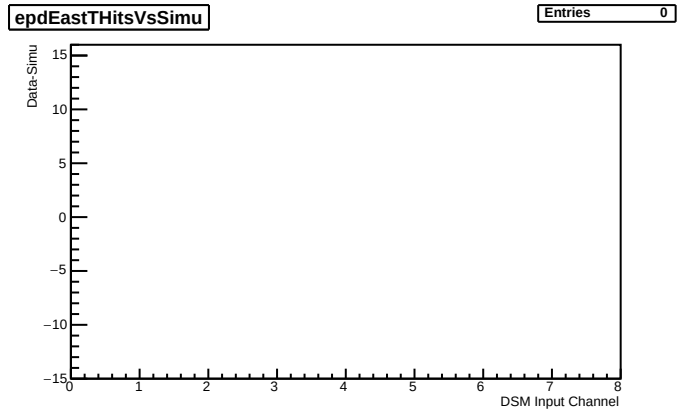
Entries 349592
Data
Simu


epdEastTacMax
Entries 3400912
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3400912
Truncated NHits
DSMInput Channel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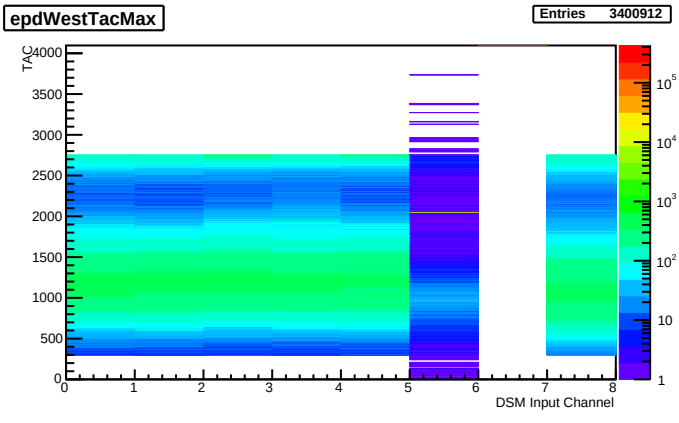
Data-Simu
DSM Input Channel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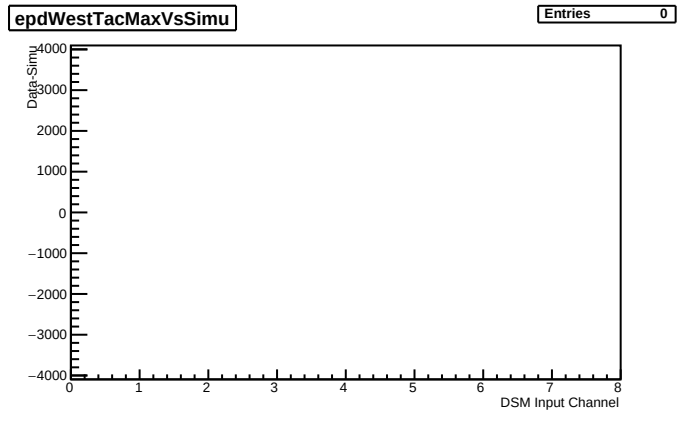
Entries 3400912
TAC
DSM Input Channel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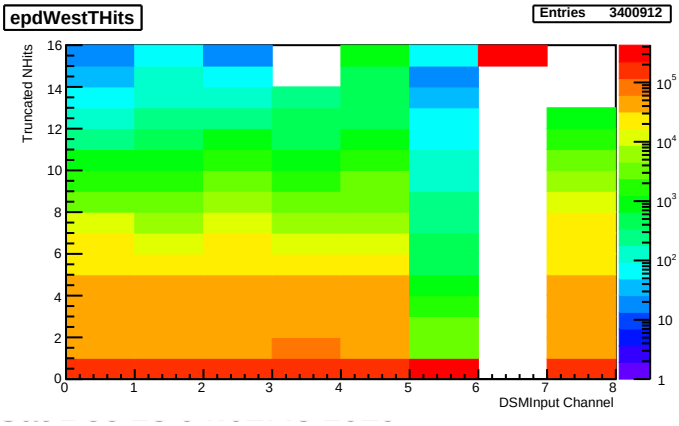
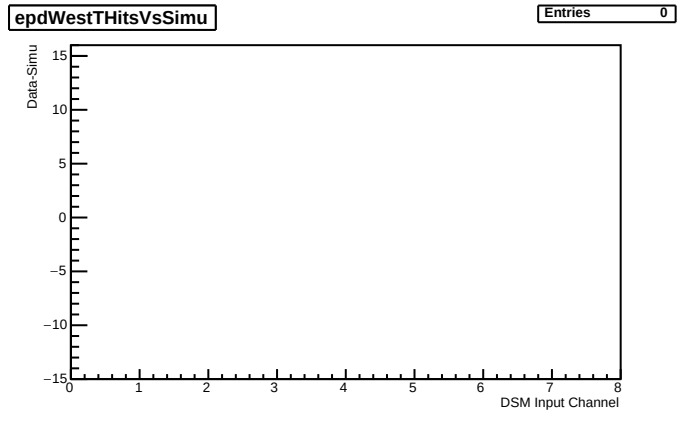
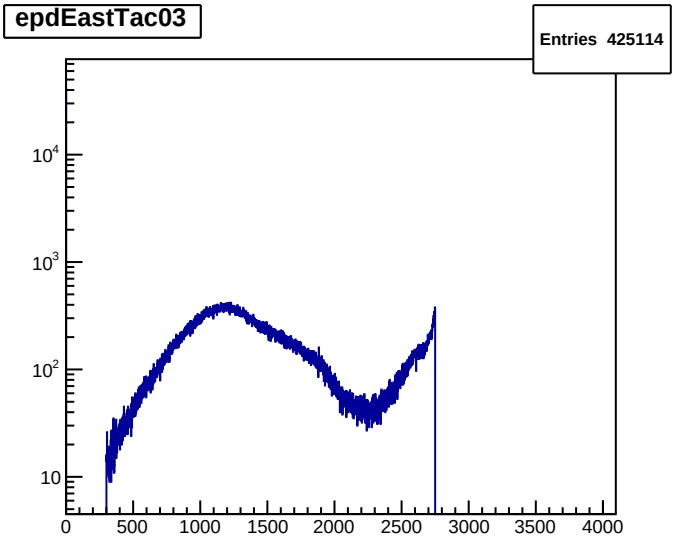
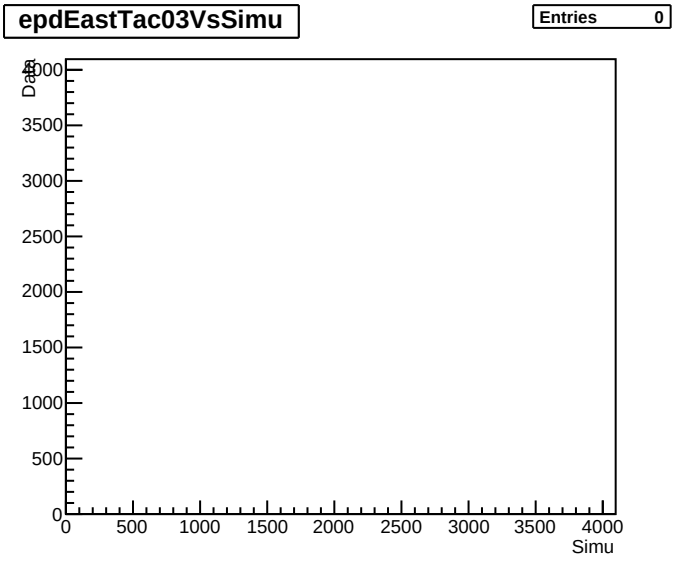
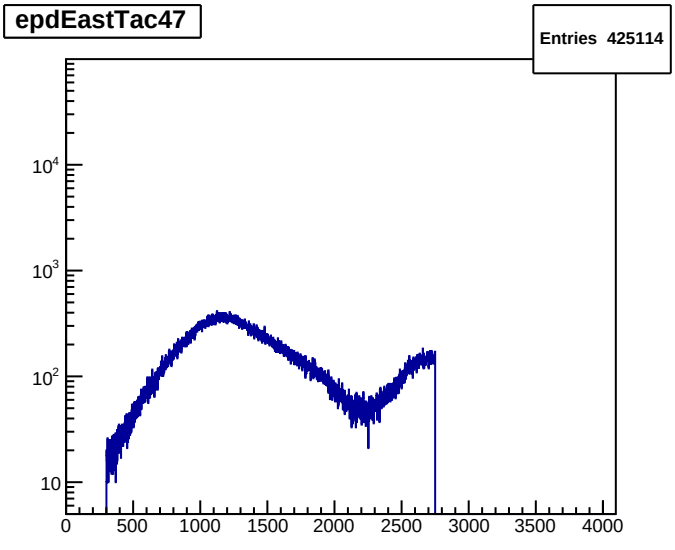
Entries 0
Data-Simu
DSM Input Channel

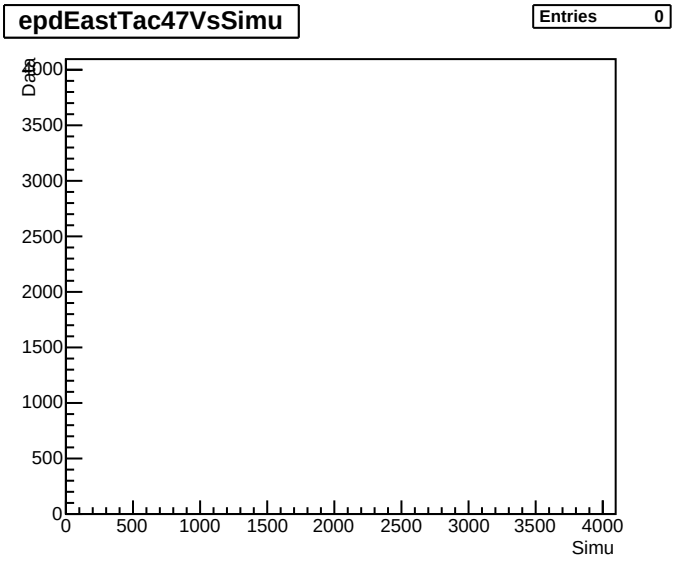

epdWestTHits
Entries 3400912
Truncated NHits
DSMInput Channel

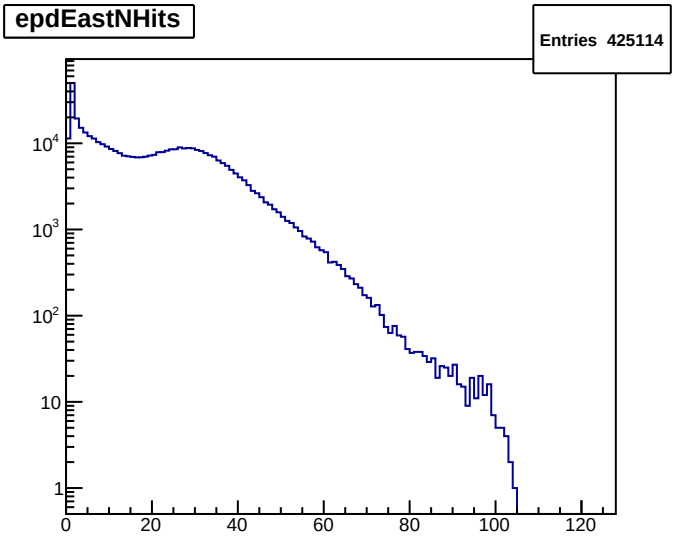

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

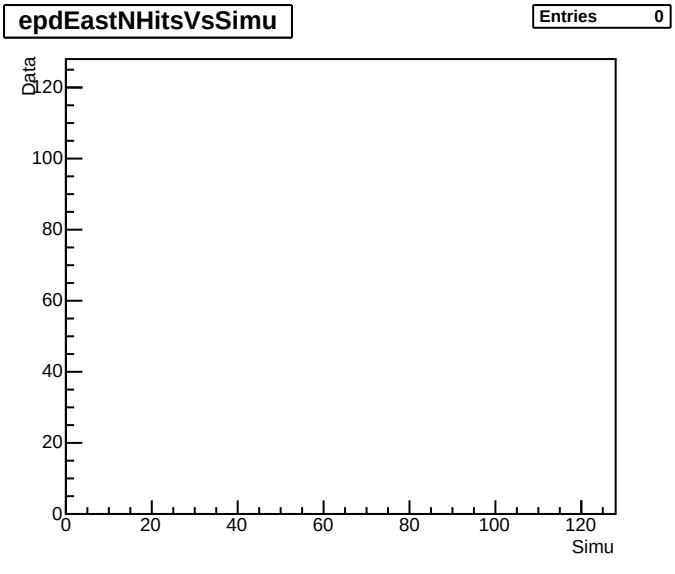

epdEastTac03
Entries 425114
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

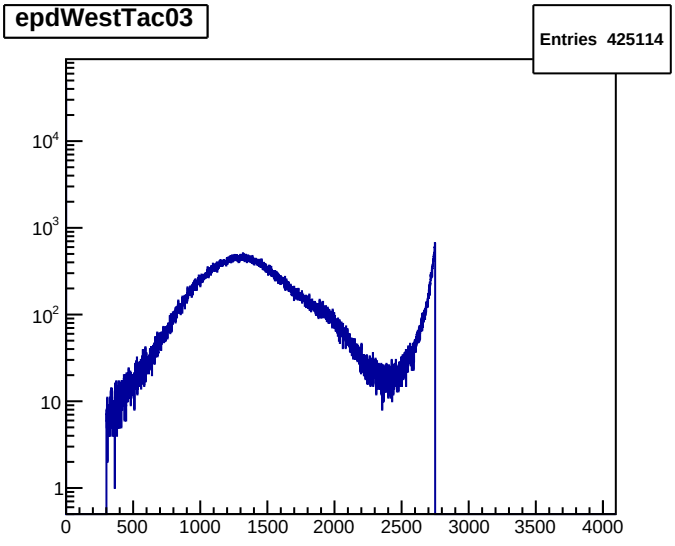

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

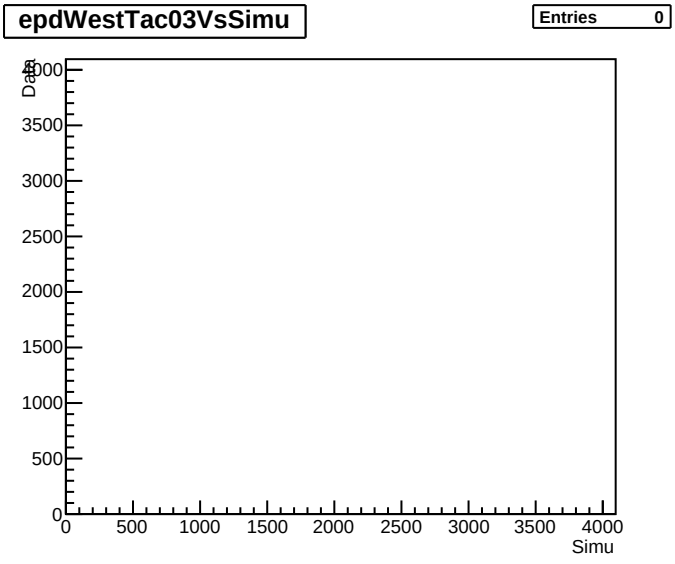

epdEastTac47
Entries 425114
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 425114
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 425114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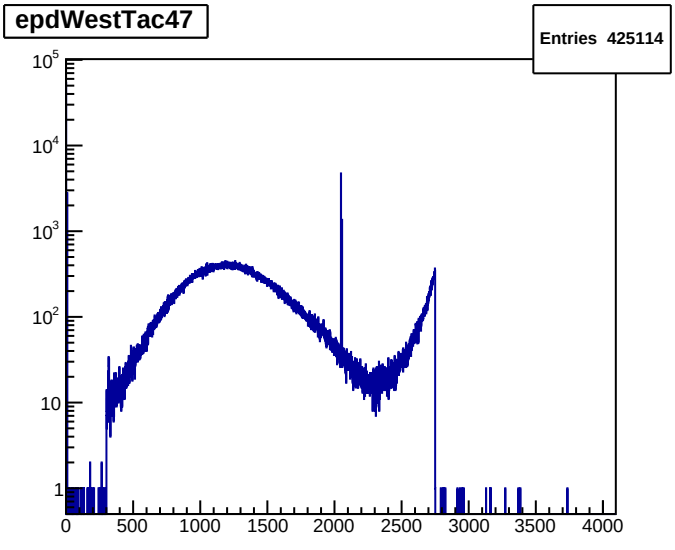
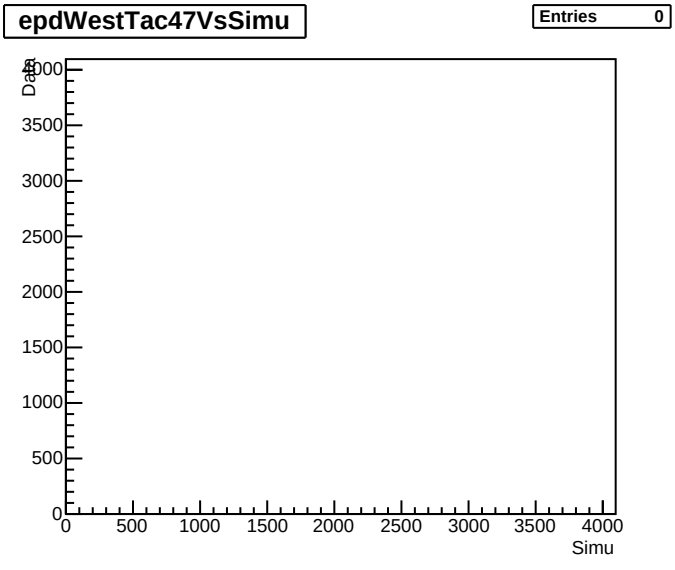
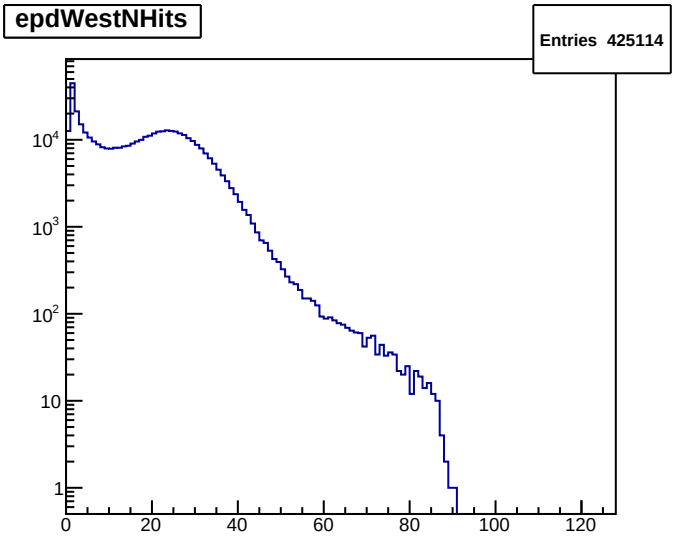
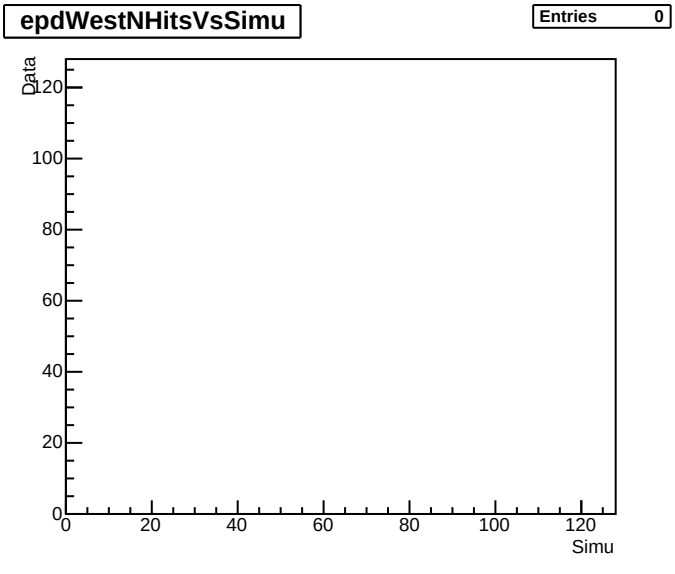
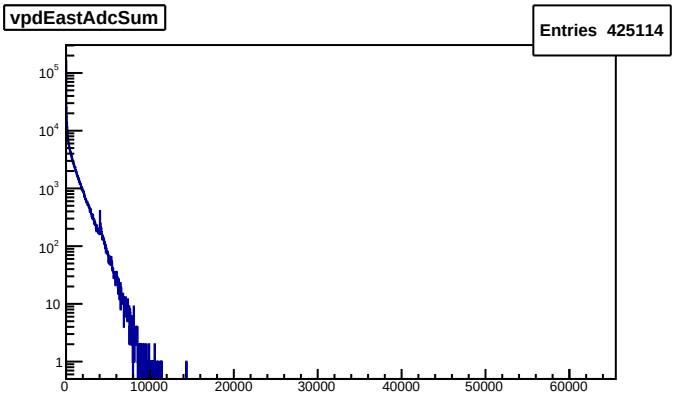
Entries 0
Data
Simu

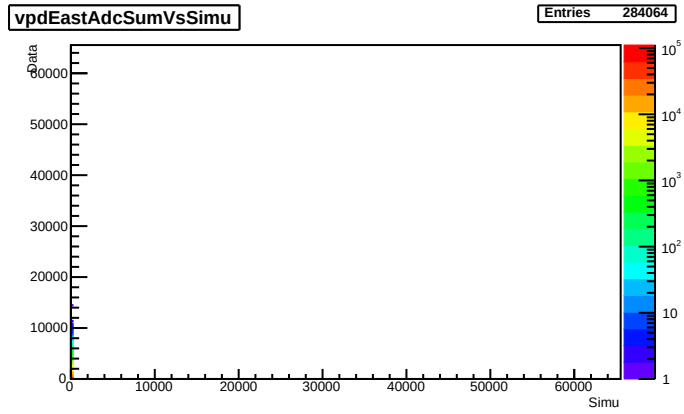

epdWestTac47
Entries 425114

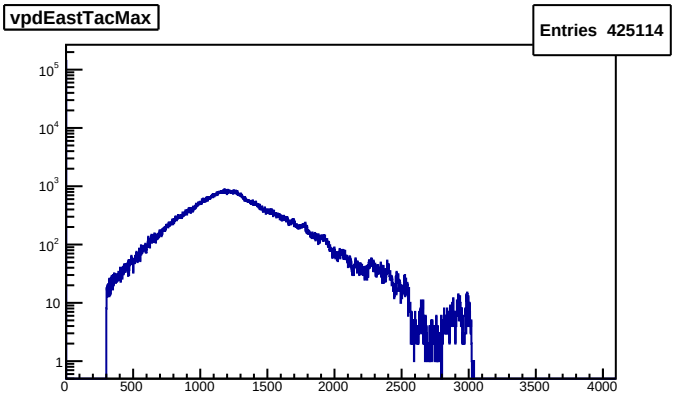

epdWestTac47VsSimu
Entries 0
Data
Simu

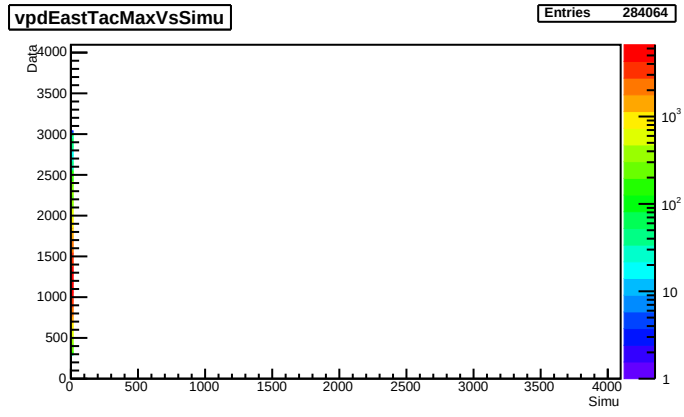

epdWestNHits
Entries 425114

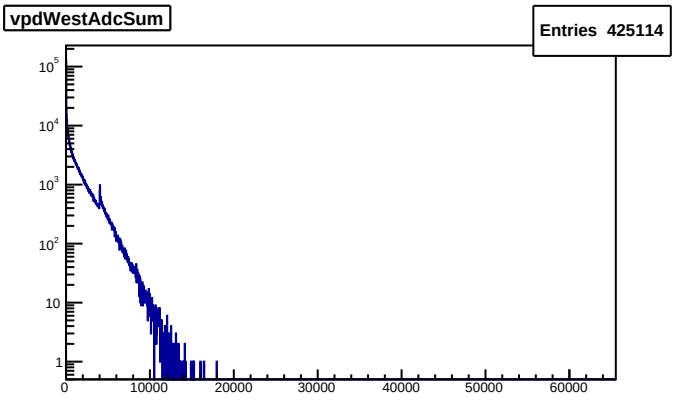

epdWestNHitsVsSimu
Entries 0
Data
Simu

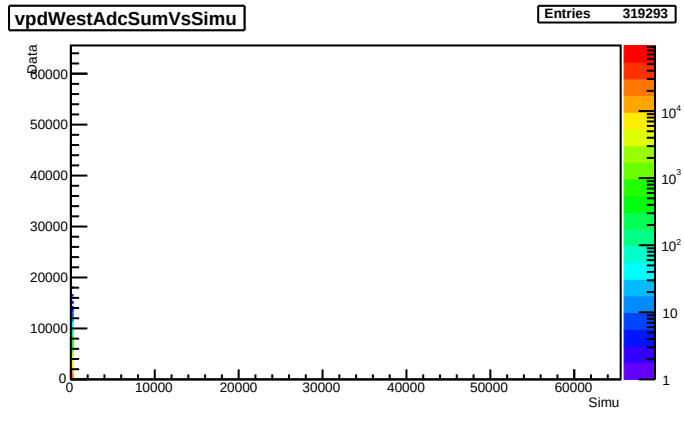

vpdEastAdcSum
Entries 425114

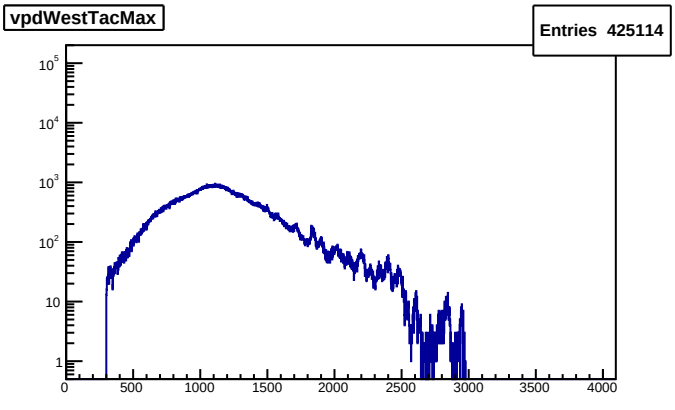

vpdEastAdcSumVsSimu
Entries 284064
Data
Simu

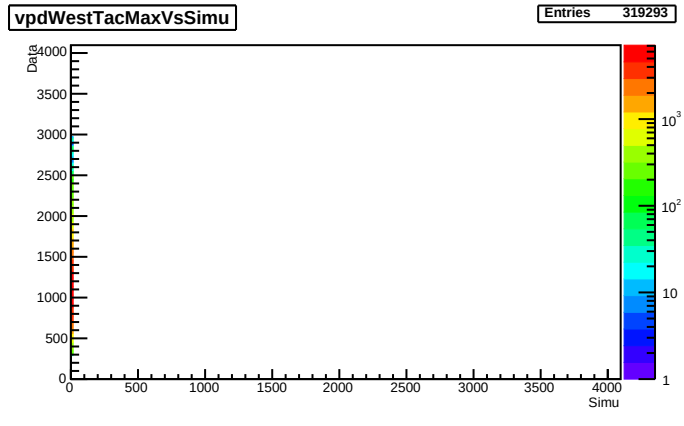

vpdEastTacMax
Entries 425114

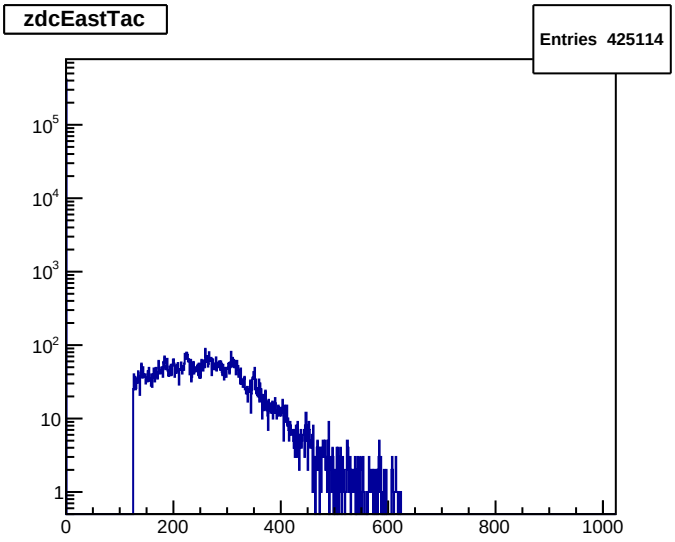

vpdEastTacMaxVsSimu
Entries 284064
Data
Simu

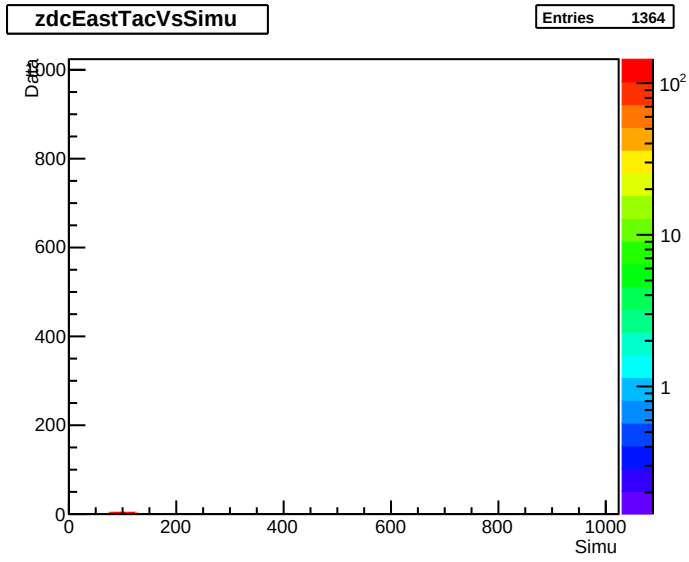

vpdWestAdcSum
Entries 425114

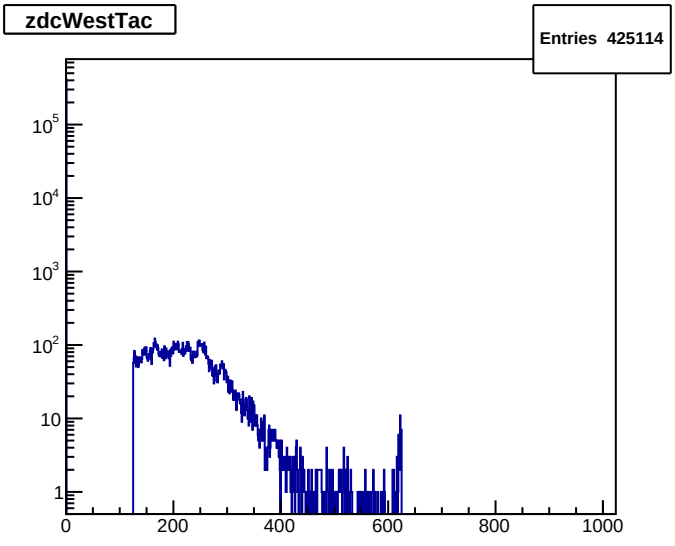

vpdWestAdcSumVsSimu
Entries 319293
Data
Simu

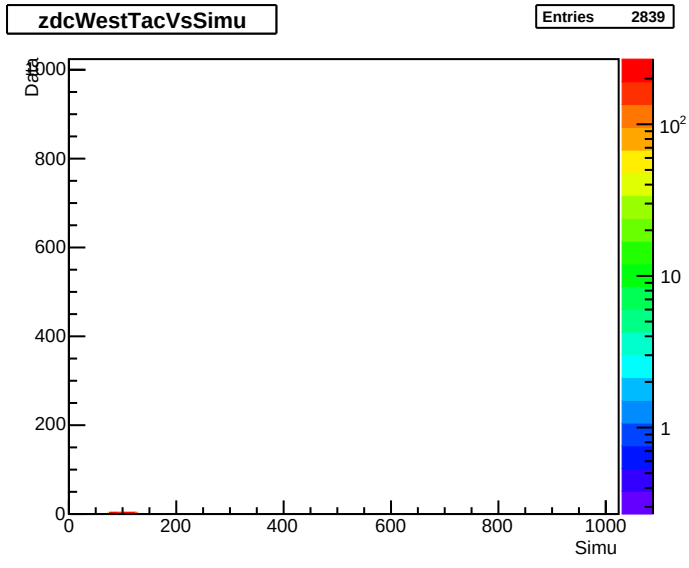

vpdWestTacMax
Entries 425114

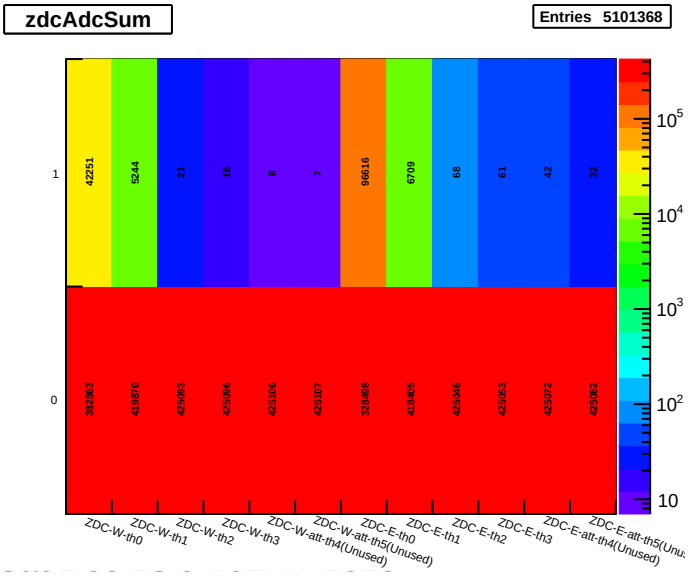

vpdWestTacMaxVsSimu
Entries 319293
Data
Simu

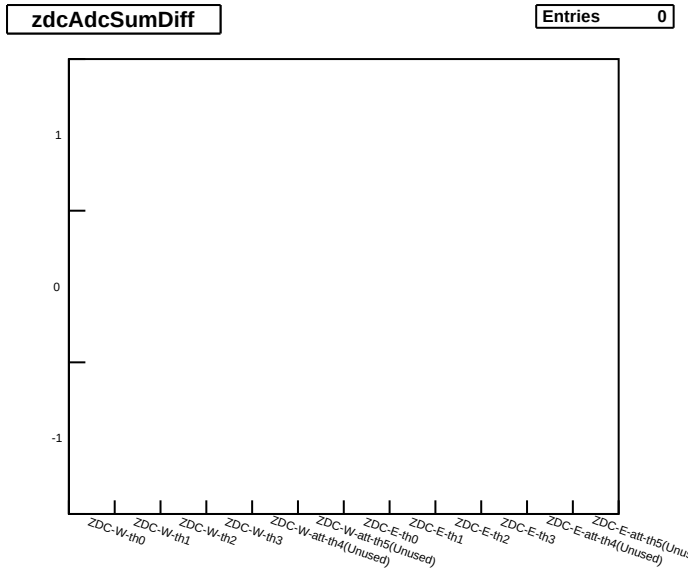

zdcEastTac
Entries 425114

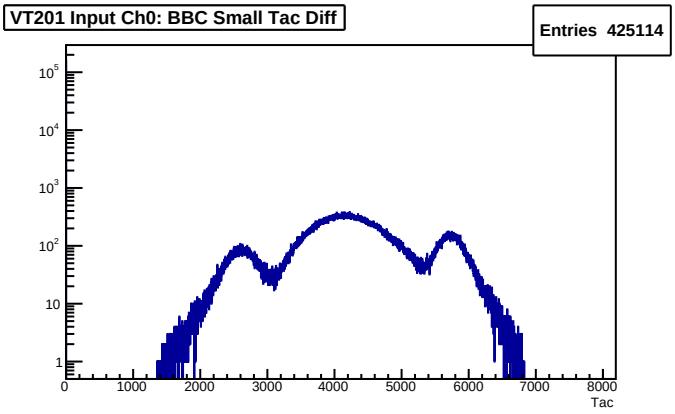

zdcEastTacVsSimu
Entries 1364
Data
Simu

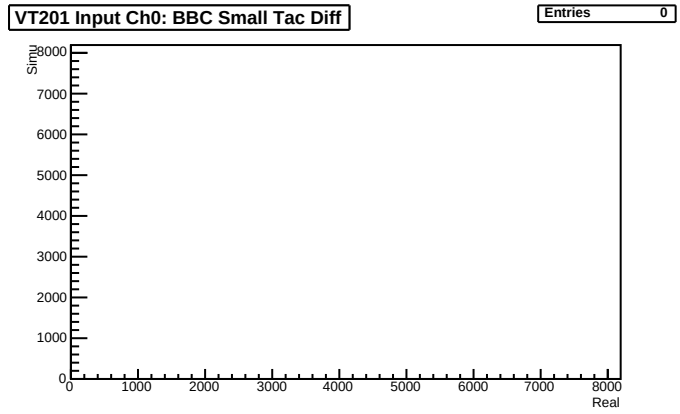

zdcWestTac
Entries 425114

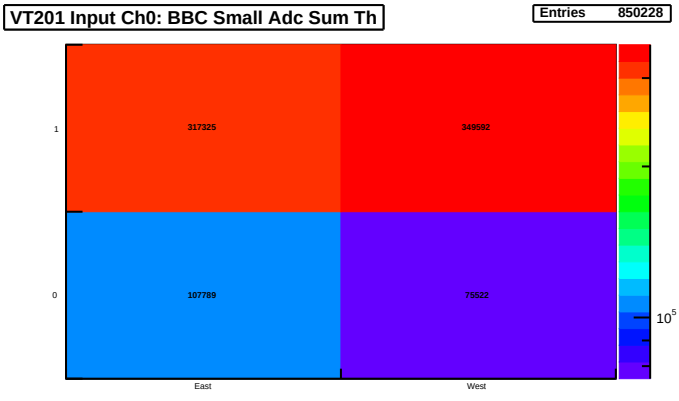

zdcWestTacVsSimu
Entries 2839
Data
Simu

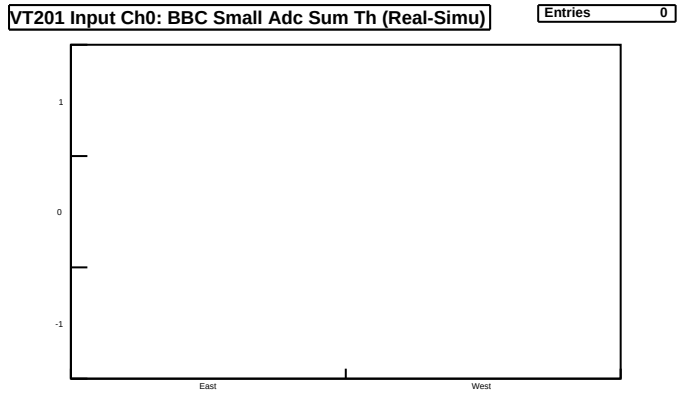

zdcAdcSum
Entries 5101368
42251
5244
21
18
8
7
96616
6709
68
61
42
32
382883
419870
425093
425096
425106
425107
328498
418405
425046
425053
425072
425082
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

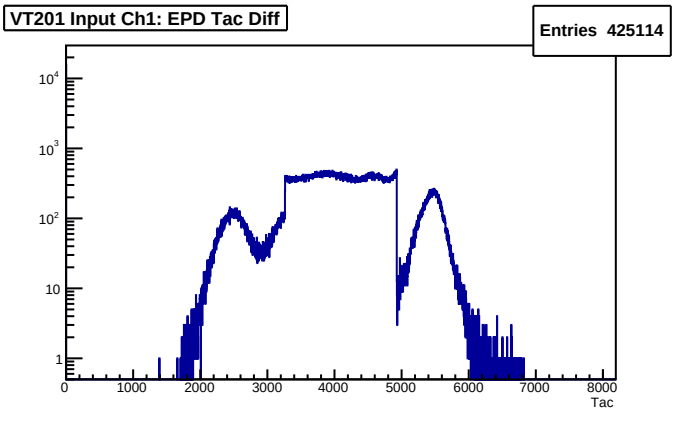

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

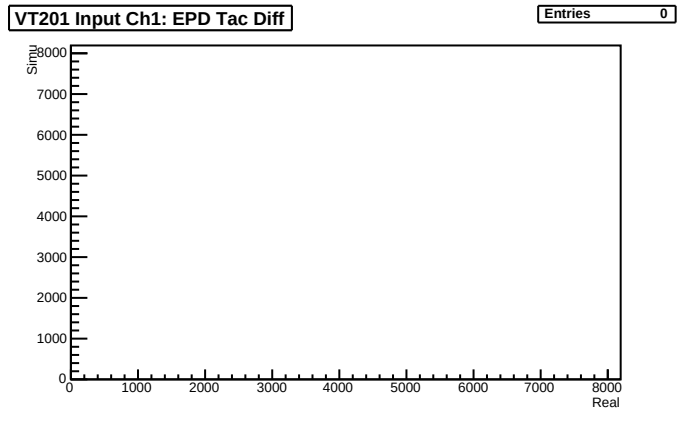

VT201 Input Ch0: BBC Small Tac Diff
Entries 425114
Tac

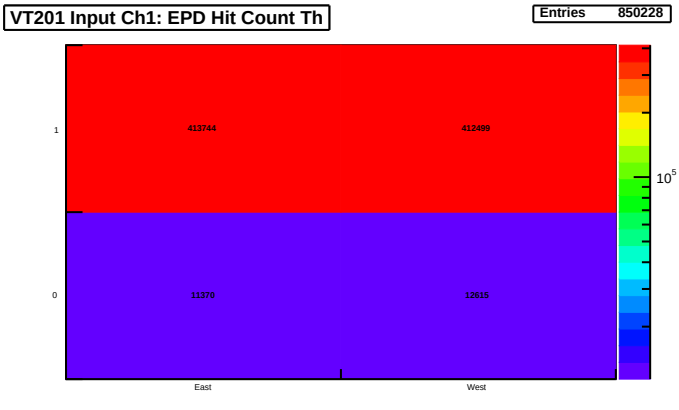

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

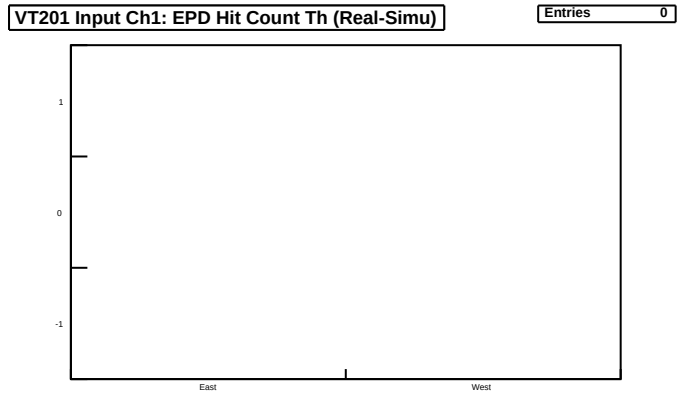

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 850228
317325
349592
107789
75522
East
West

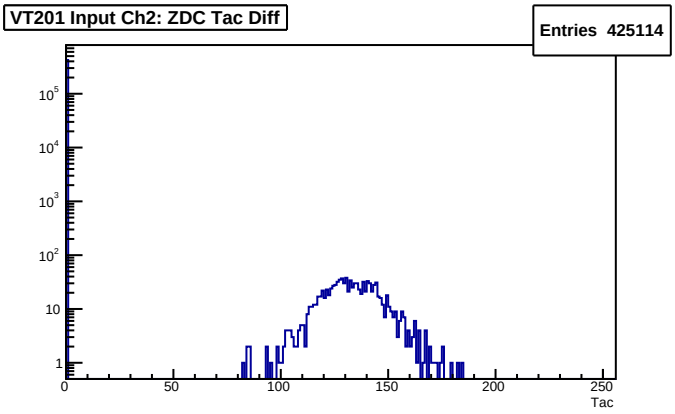

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

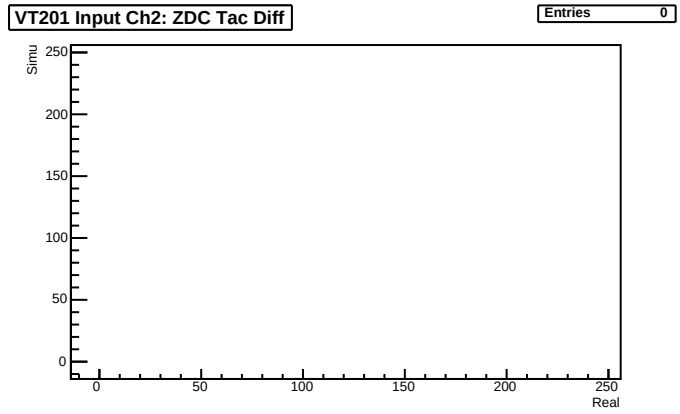

VT201 Input Ch1: EPD Tac Diff
Entries 425114
Tac

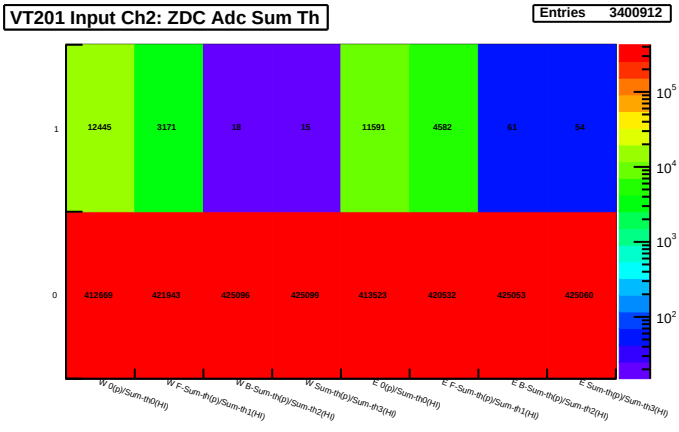

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

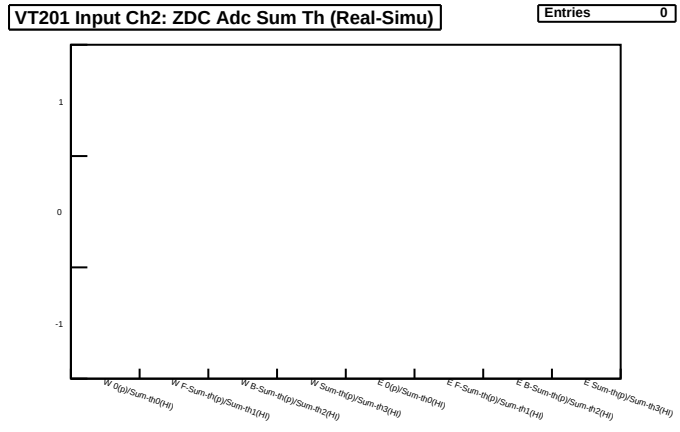

VT201 Input Ch1: EPD Hit Count Th
Entries 850228
413744
412499
11370
12615
East
West

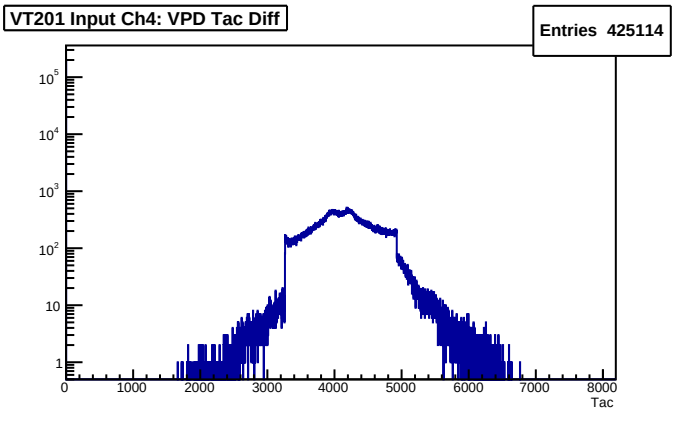

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

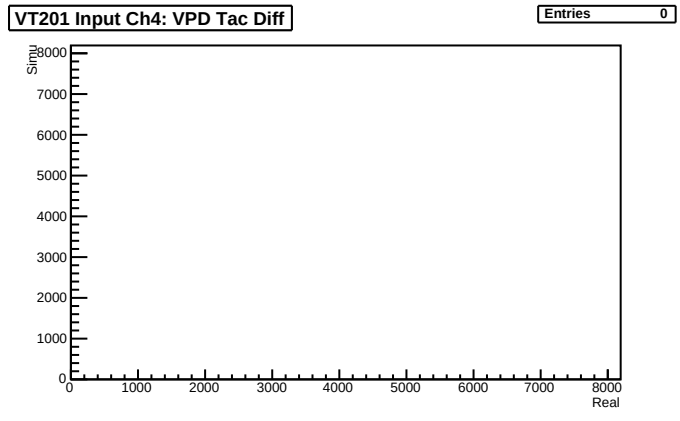

VT201 Input Ch2: ZDC Tac Diff
Entries 425114
Tac

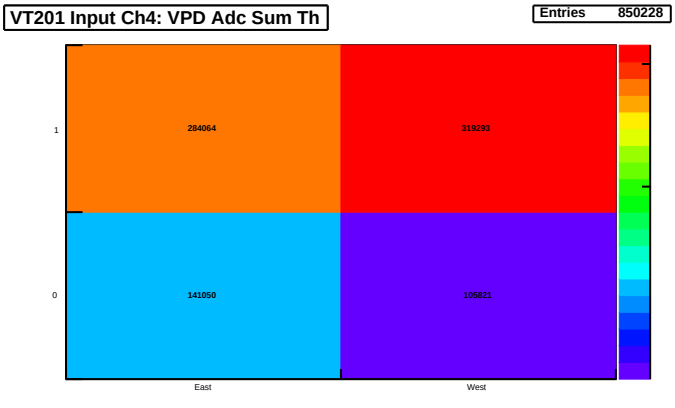

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

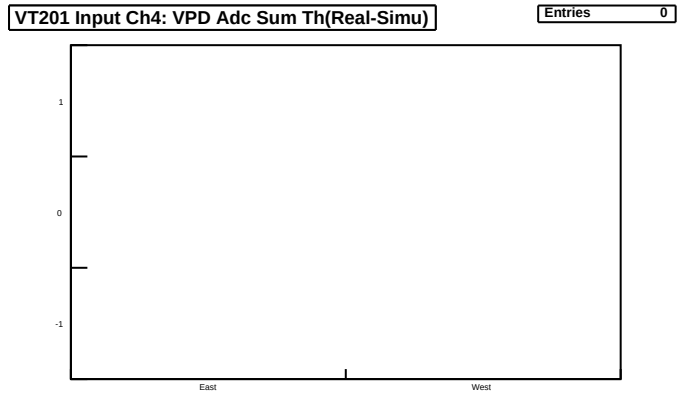

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3400912
12445
3171
18
15
11591
4582
61
54
412669
421943
425096
425099
413523
420532
425053
425060
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

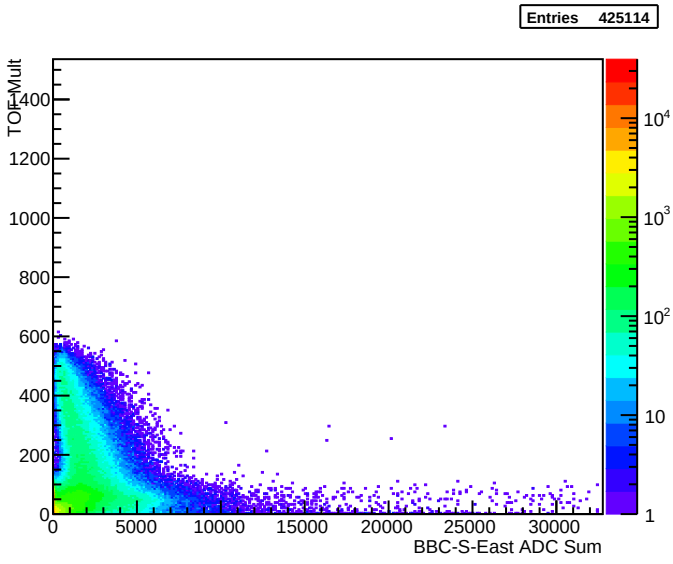

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

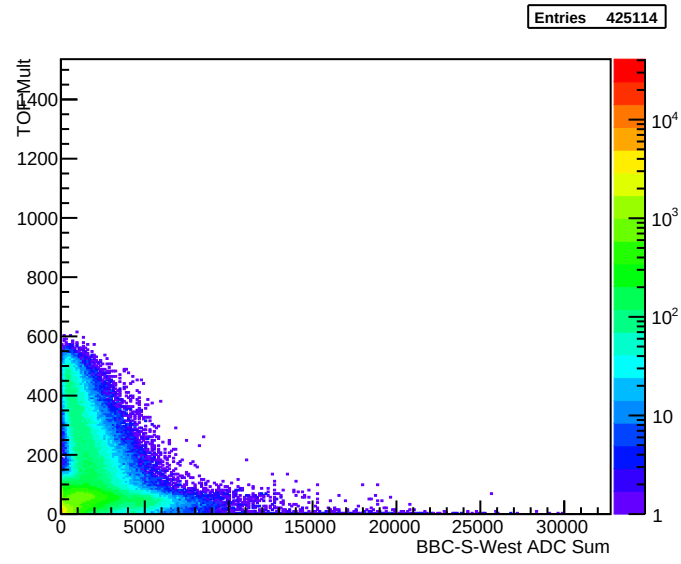

VT201 Input Ch4: VPD Tac Diff
Entries 425114
Tac

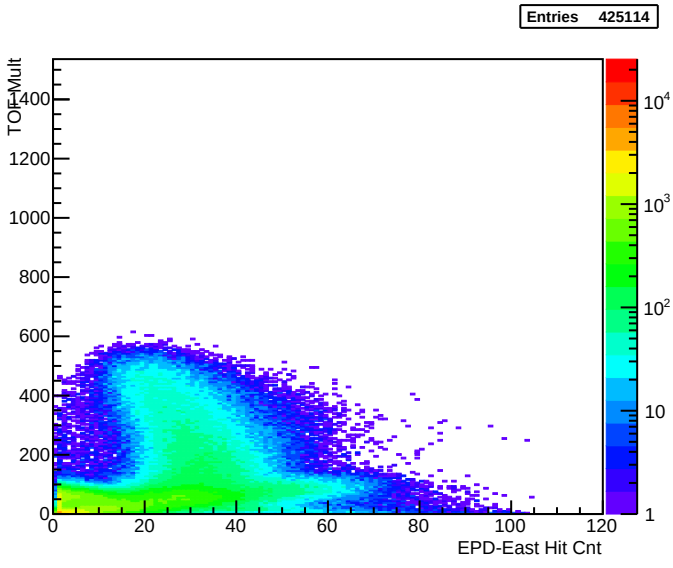

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

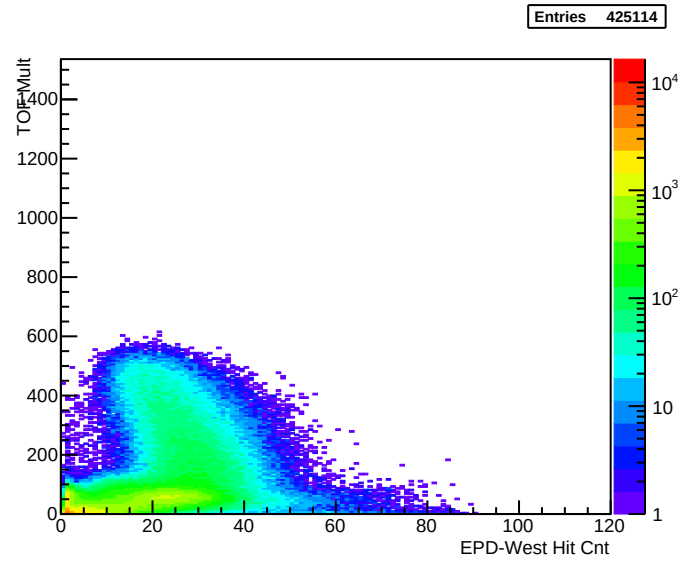

VT201 Input Ch4: VPD Adc Sum Th
Entries 850228
284064
319293
141050
105821
East
West

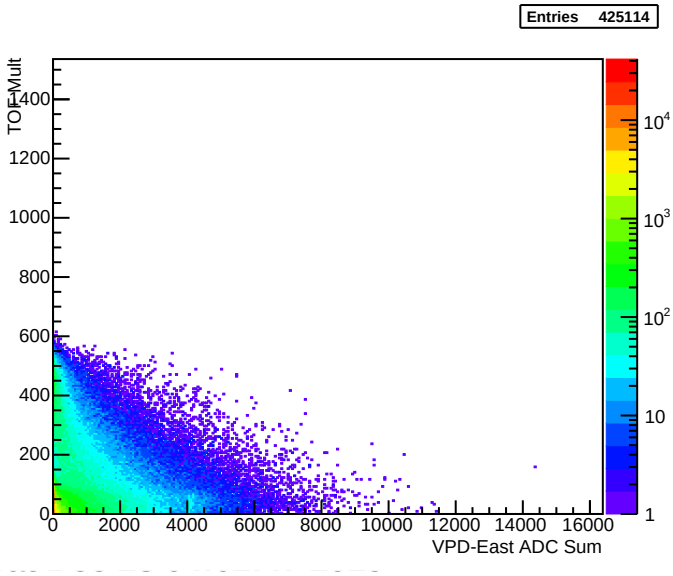

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

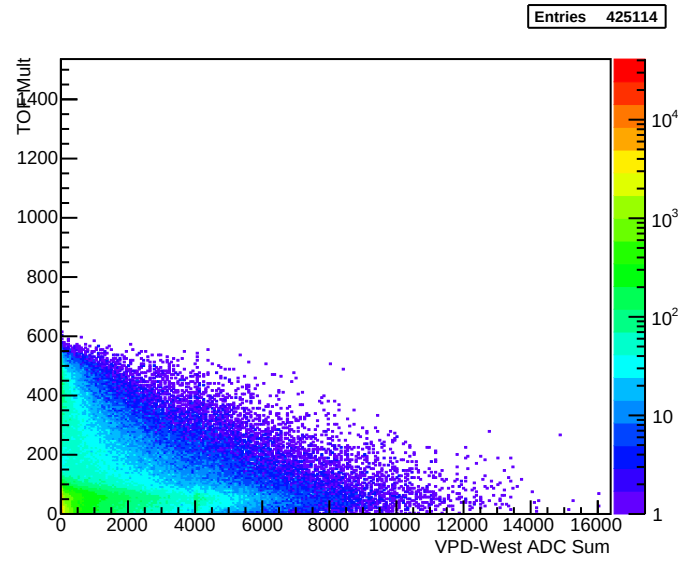

Entries 425114
TOF-Mult
BBC-S-East ADC Sum

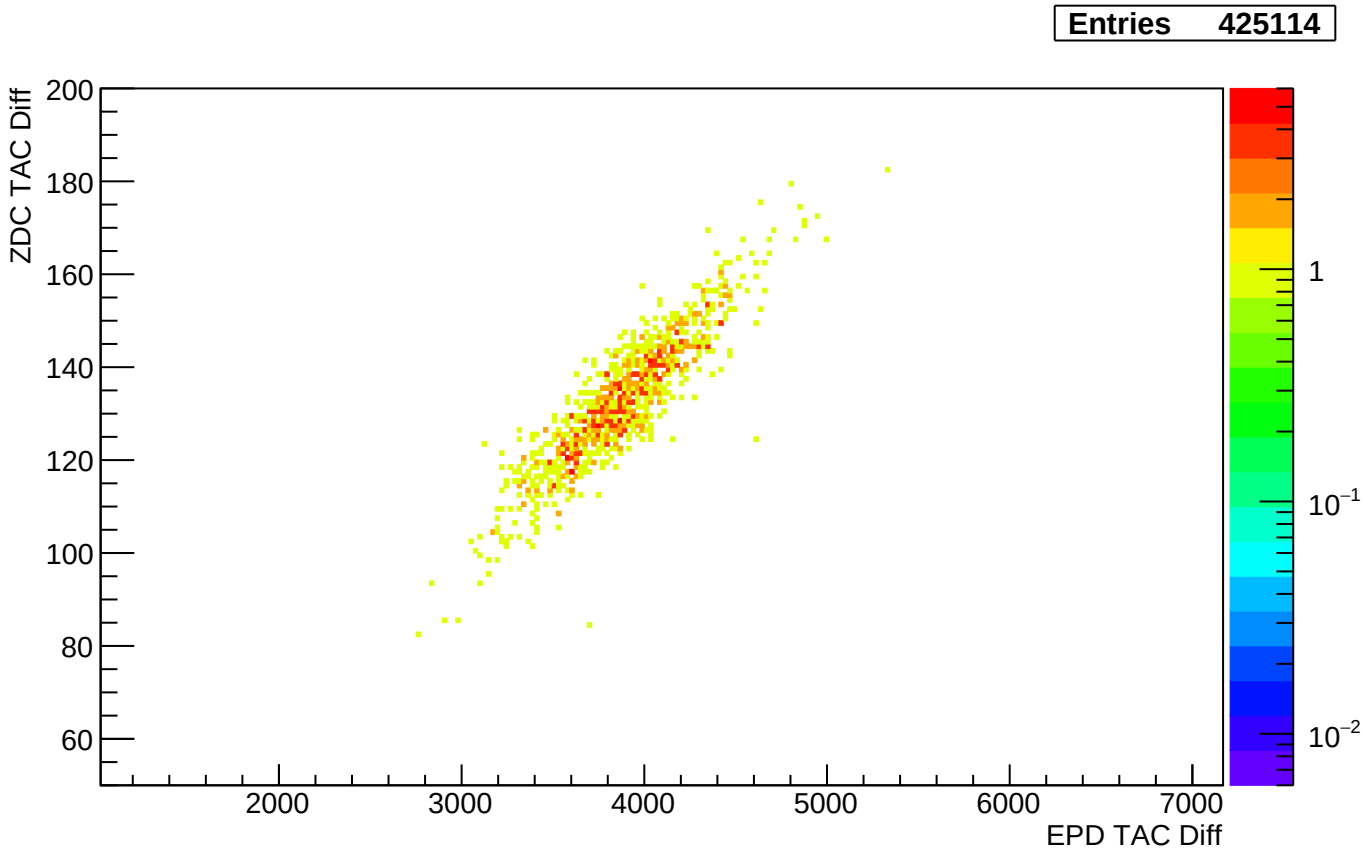

Entries 425114
TOF-Mult
BBC-S-West ADC Sum

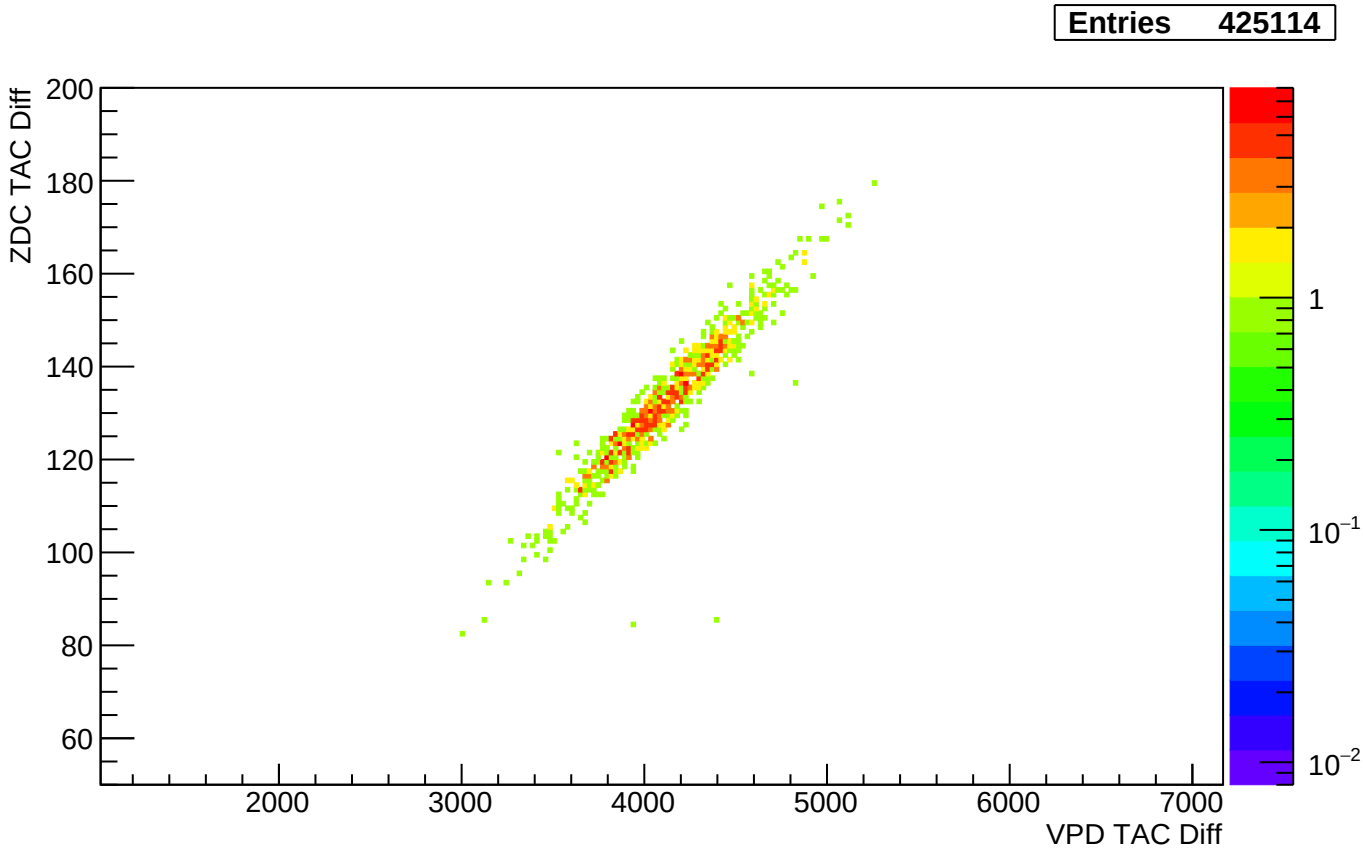

Entries 425114
TOF-Mult
EPD-East Hit Cnt

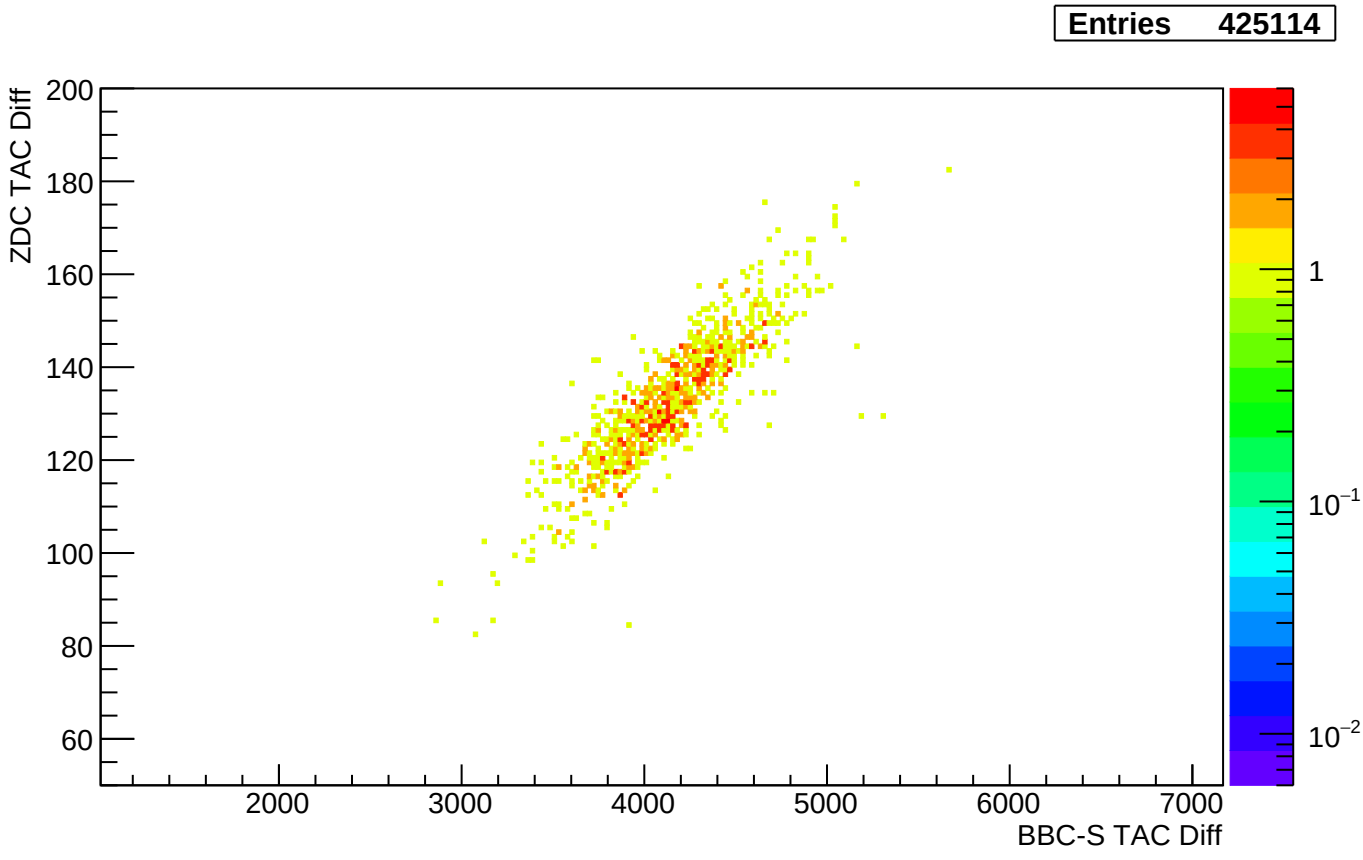

Entries 425114
TOF-Mult
EPD-West Hit Cnt

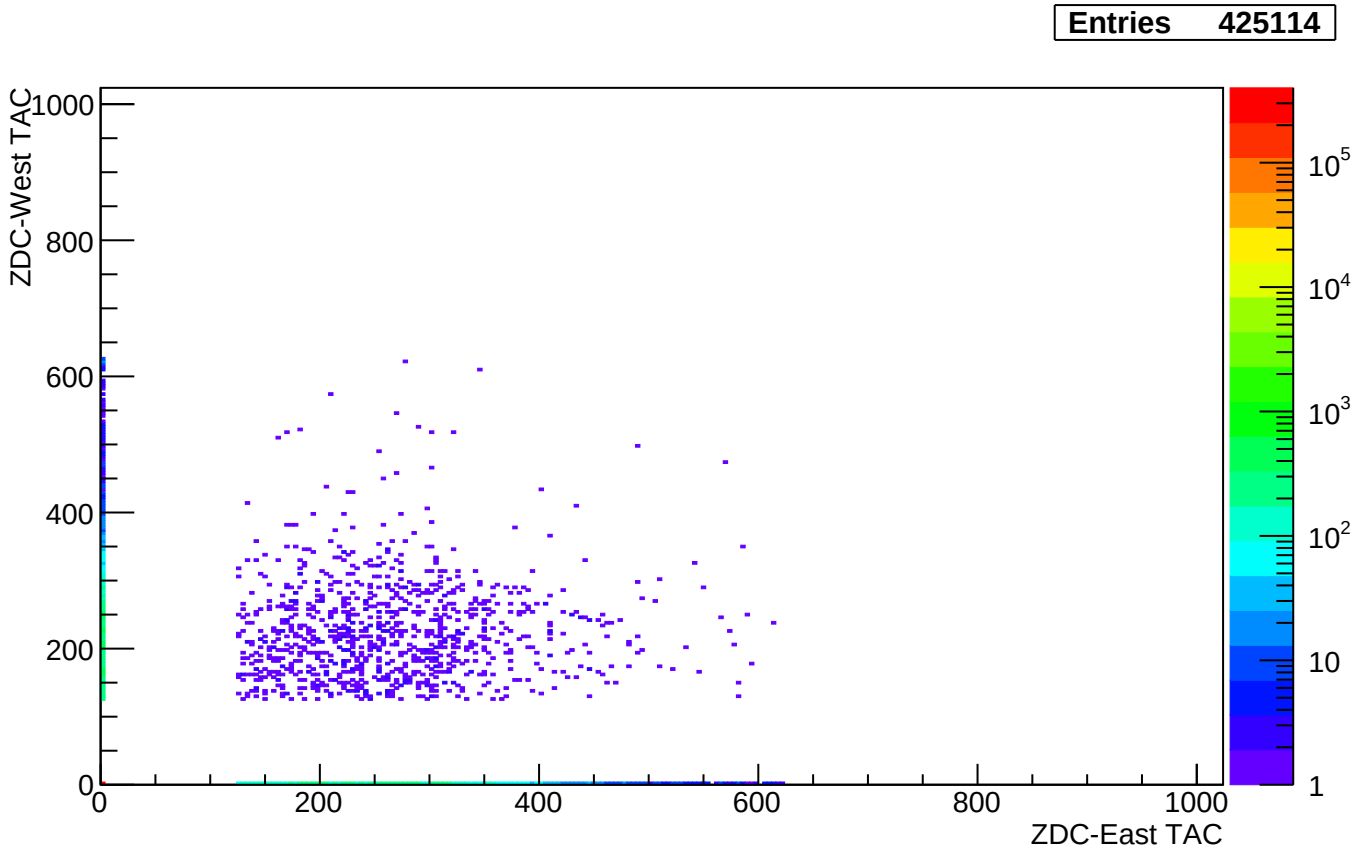

Entries 425114
TOF-Mult
VPD-East ADC Sum

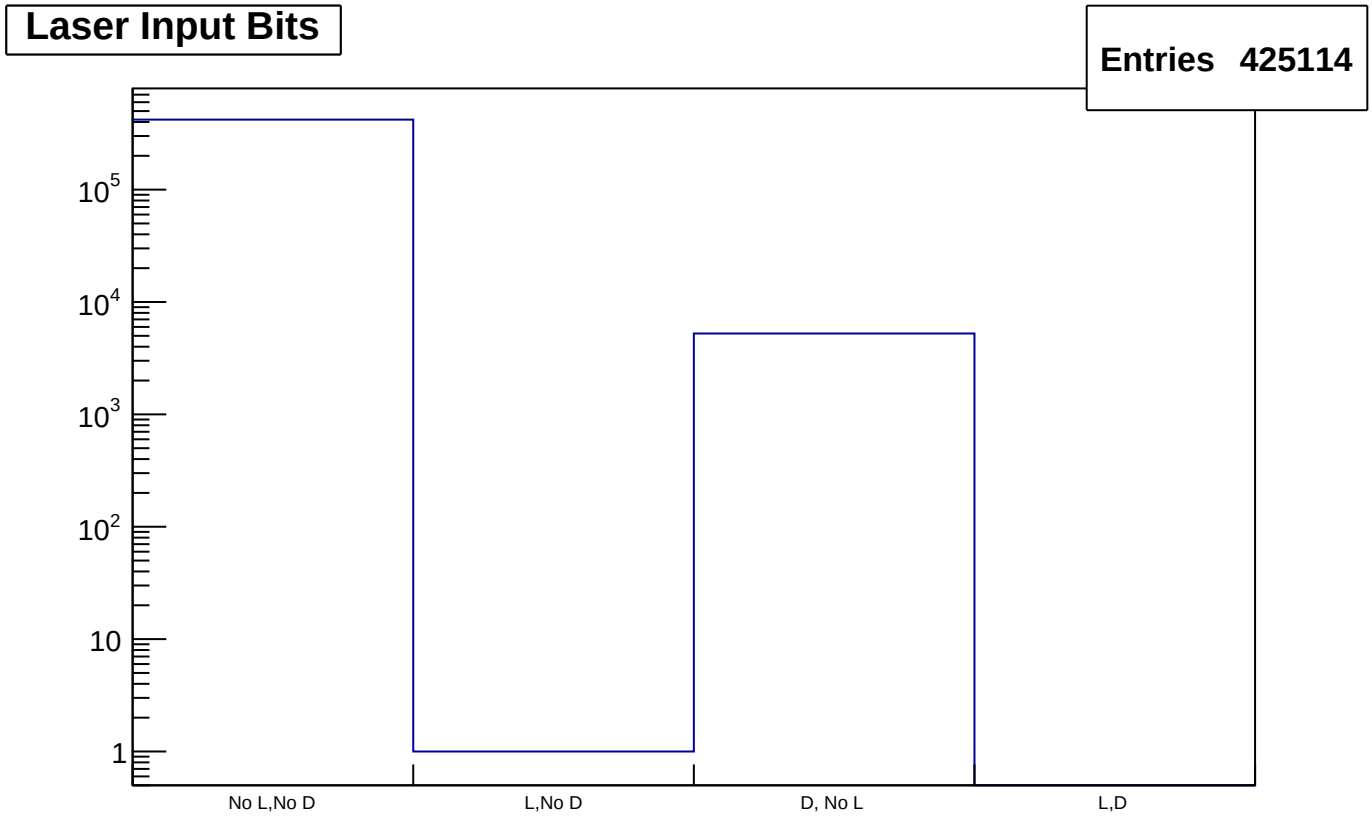

Entries 425114
TOF-Mult
VPD-West ADC Sum

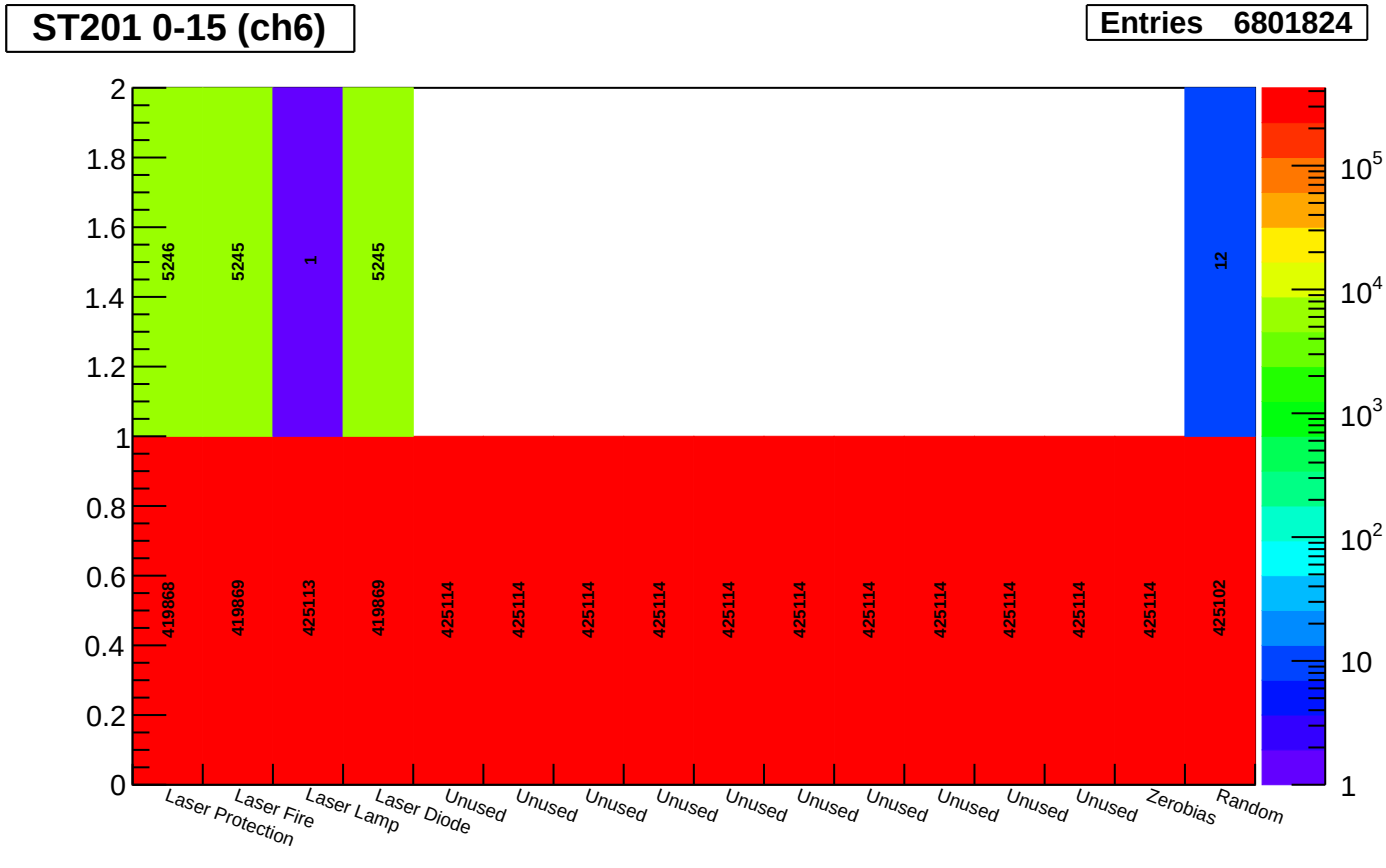

Entries 425114
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

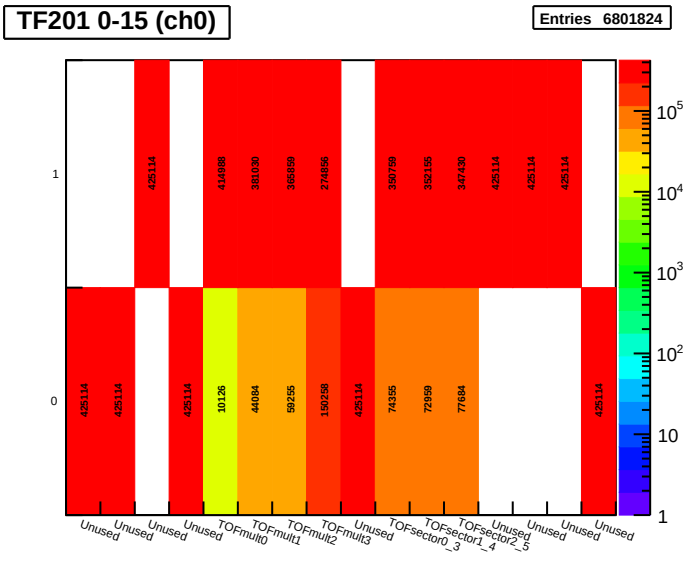

Entries 425114
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

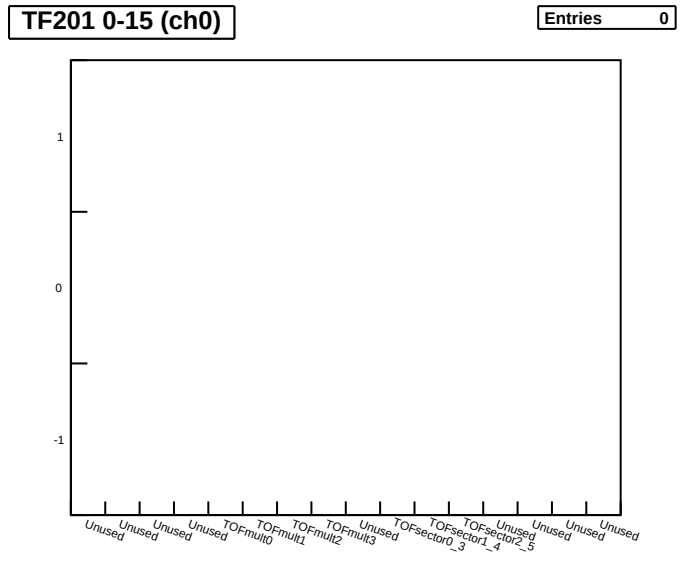

Entries 425114
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

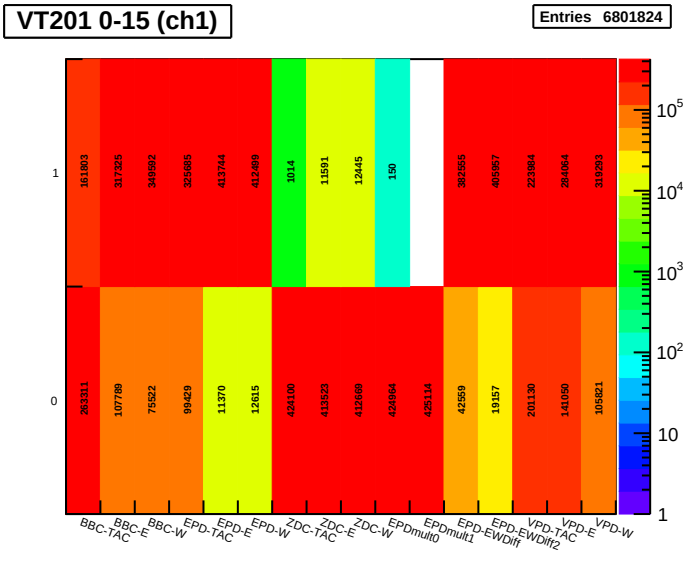

Entries 425114
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

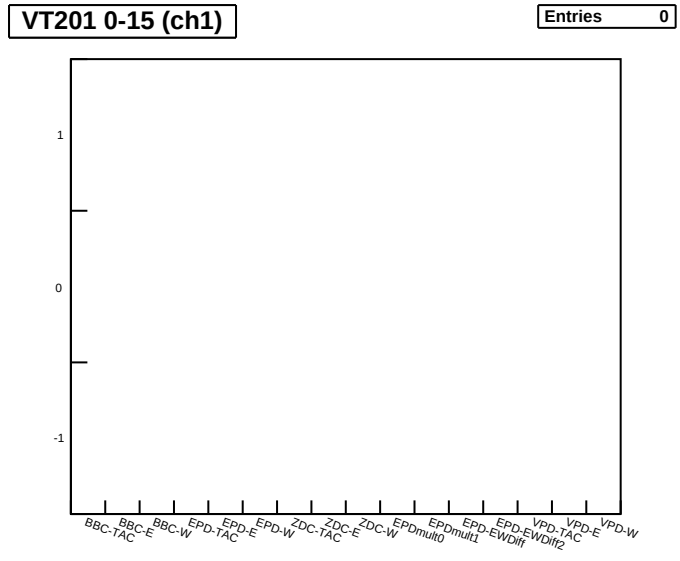

Laser Input Bits
Entries 425114
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

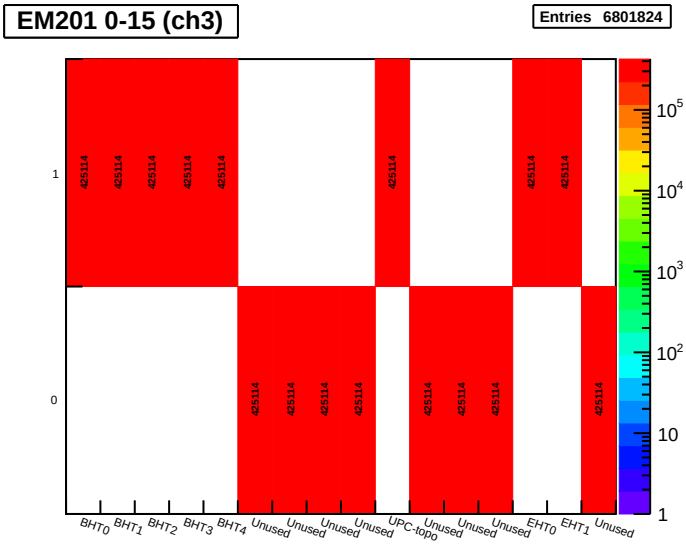

ST201 0-15 (ch6)
Entries 6801824
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5246
5245
1
5245
12
419868
419869
425113
419869
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425102
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

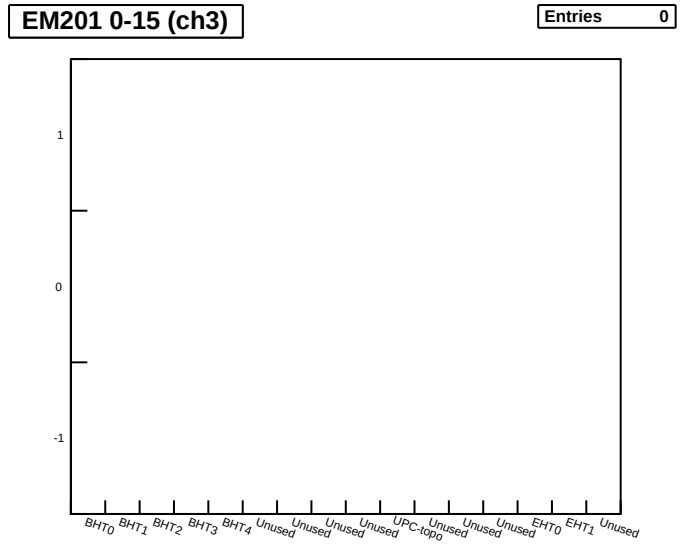

TF201 0-15 (ch0)
Entries 6801824
1
0
425114
414988
381030
365689
274856
350759
352155
347430
425114
425114
425114
425114
425114
425114
425114
10126
44084
59265
150258
425114
74355
72959
77684
425114
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
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 6801824
1
0
161803
317325
349592
325685
413744
412499
1014
11591
12445
150
382555
405957
223984
284064
319233
263311
107789
75522
99429
11370
12615
424100
413523
412669
424964
425114
42559
19157
201130
141050
105821
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
10^5
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 6801824
1
0
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
425114
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
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