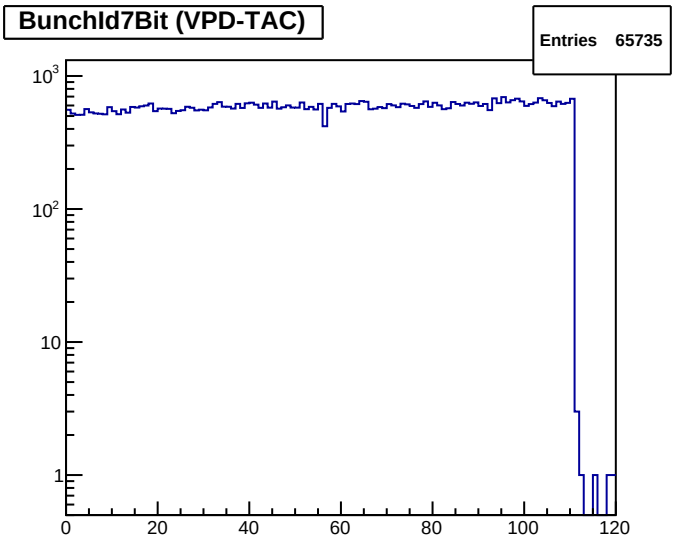
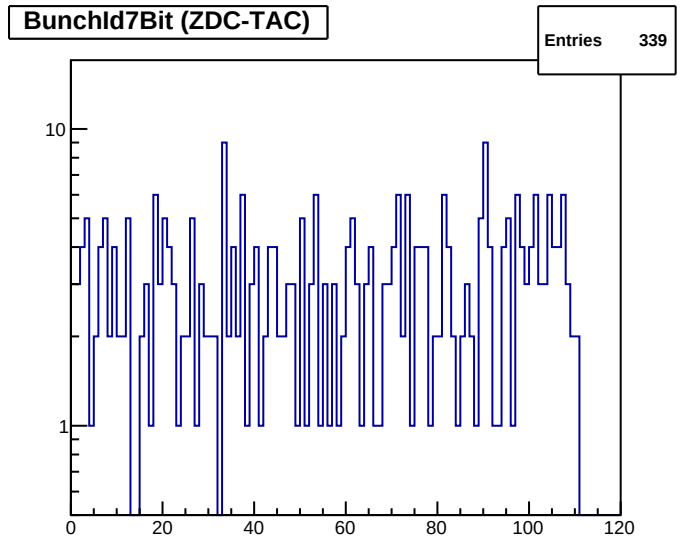
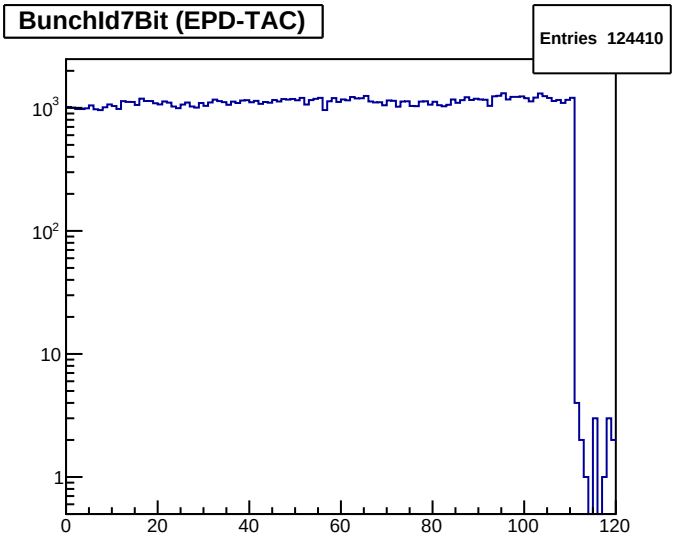
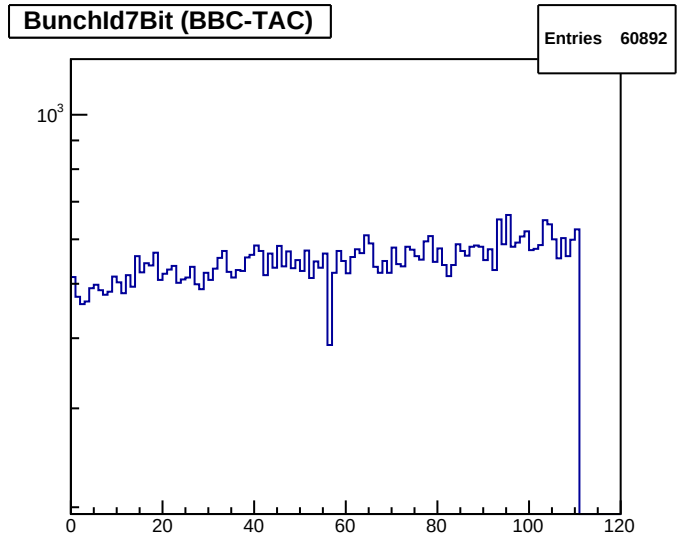
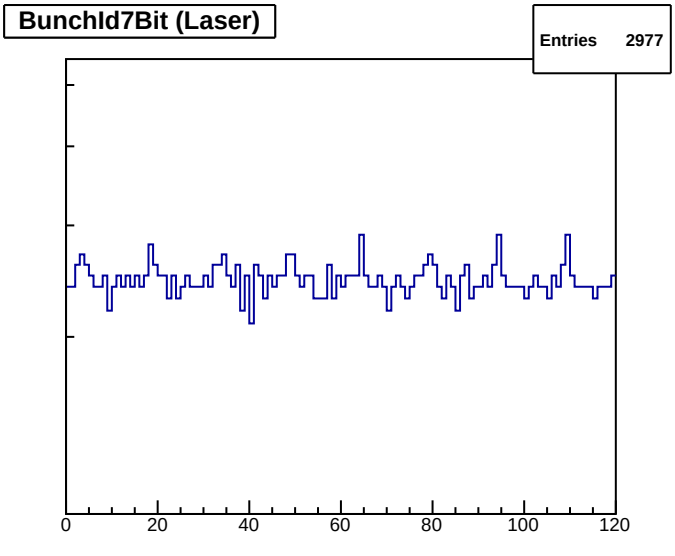
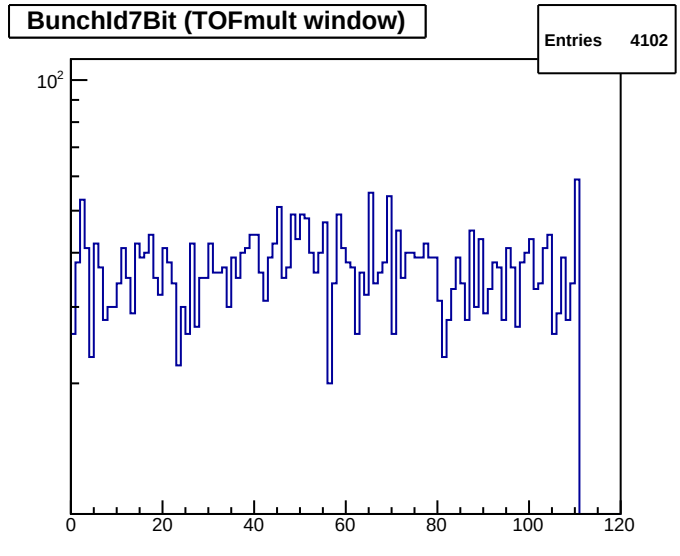

BunchId7Bit (VPD-TAC)
Entries 65735
10^3
10^2
10
1
0
20
40
60
80
100
120

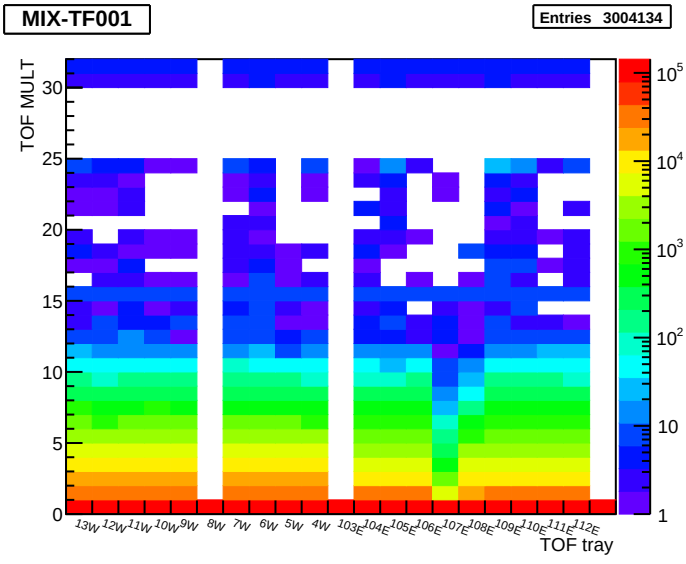

BunchId7Bit (ZDC-TAC)
Entries 339
10
1
0
20
40
60
80
100
120

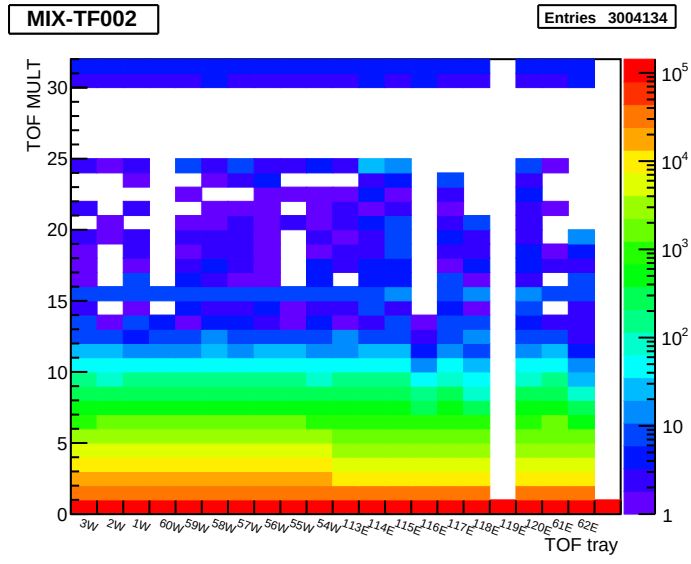

BunchId7Bit (EPD-TAC)
Entries 124410
10^3
10^2
10
1
0
20
40
60
80
100
120

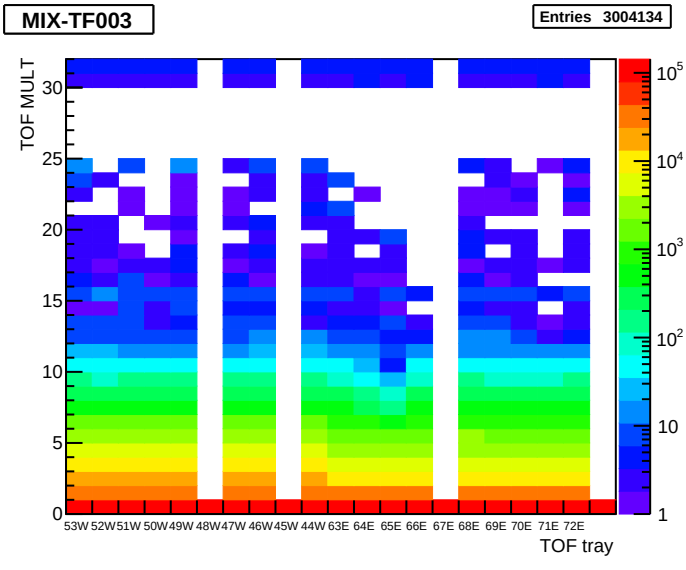

BunchId7Bit (BBC-TAC)
Entries 60892
10^3
0
20
40
60
80
100
120

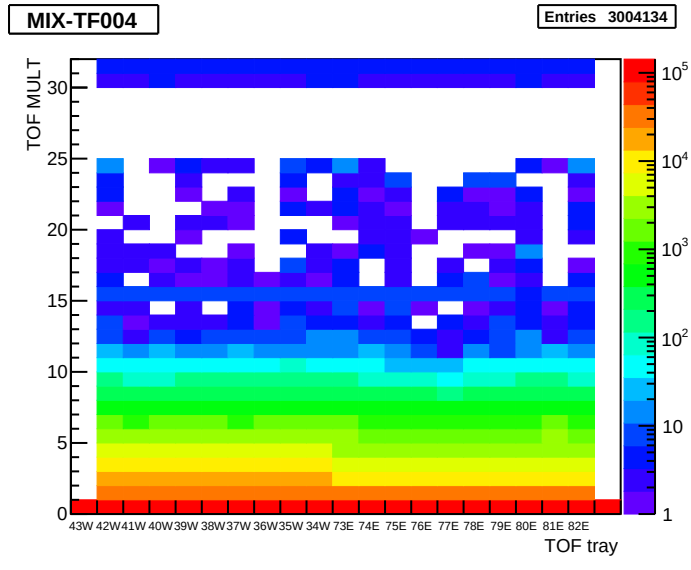

BunchId7Bit (Laser)
Entries 2977
0
20
40
60
80
100
120

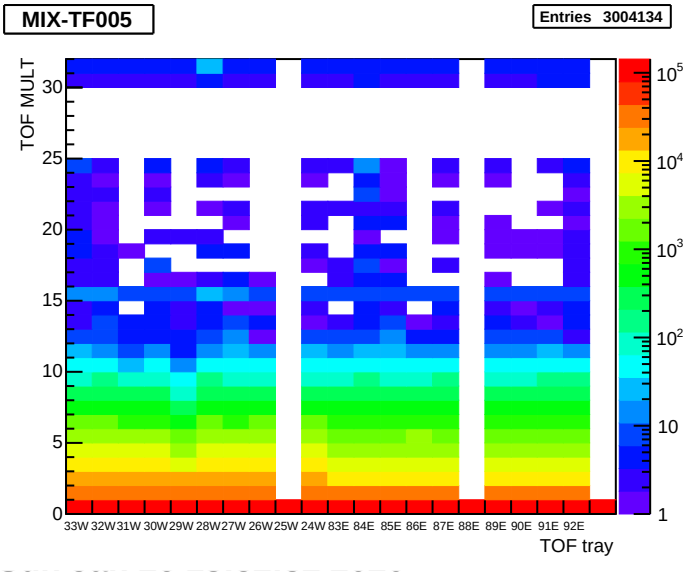

BunchId7Bit (TOFmult window)
Entries 4102
10^2
0
20
40
60
80
100
120

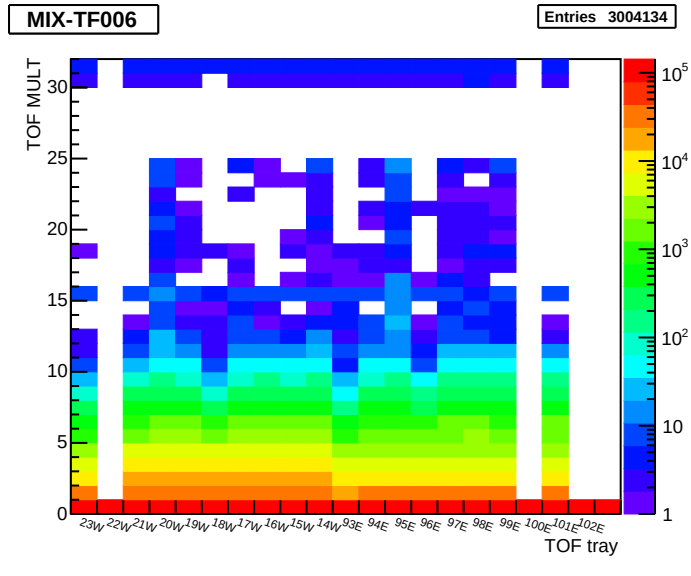

MIX-TF001
Entries 3004134
TOF MULT
TOF tray

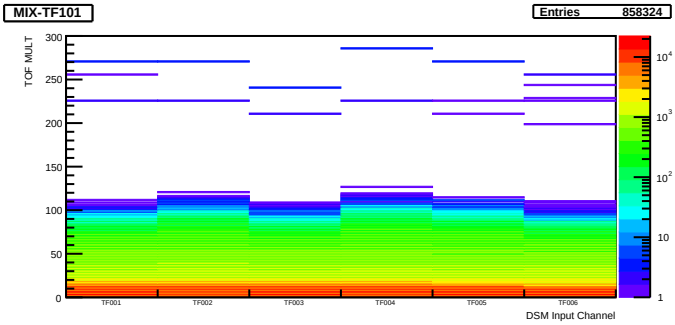

MIX-TF002
Entries 3004134
TOF MULT
TOF tray

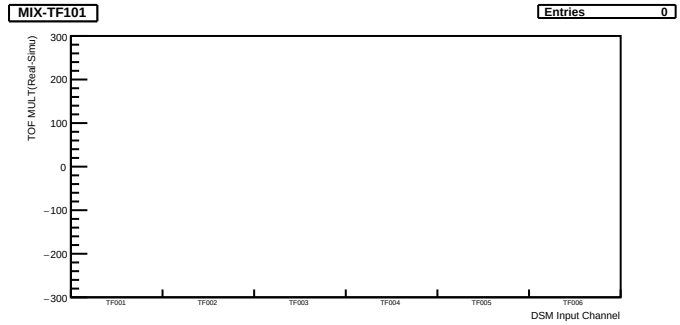

MIX-TF003
Entries 3004134
TOF MULT
TOF tray

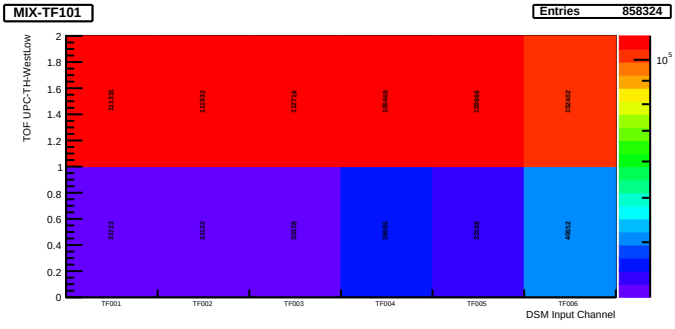

MIX-TF004
Entries 3004134
TOF MULT
TOF tray

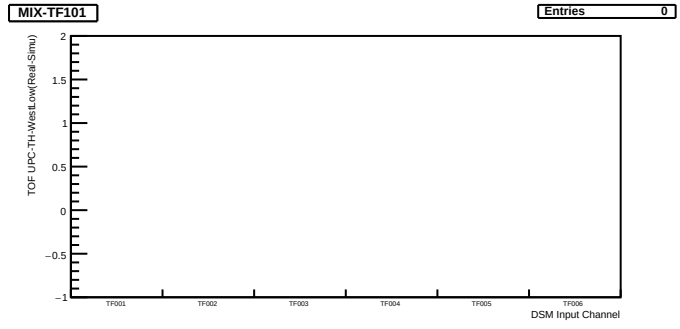

MIX-TF005
Entries 3004134
TOF MULT
TOF tray

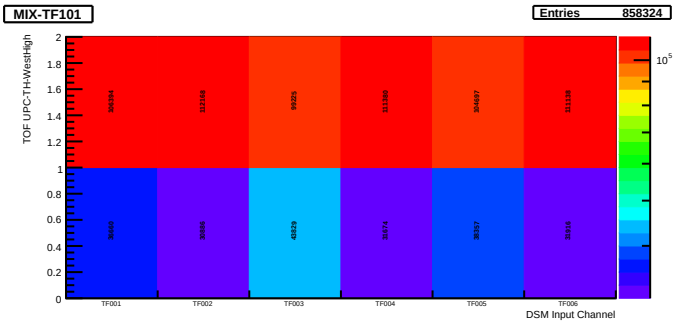

MIX-TF006
Entries 3004134
TOF MULT
TOF tray

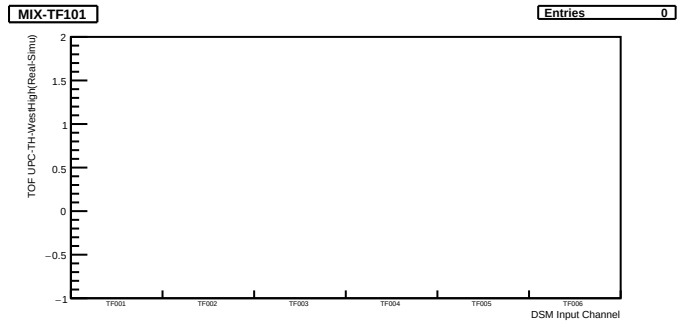

MIX-TF101
Entries 858324
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

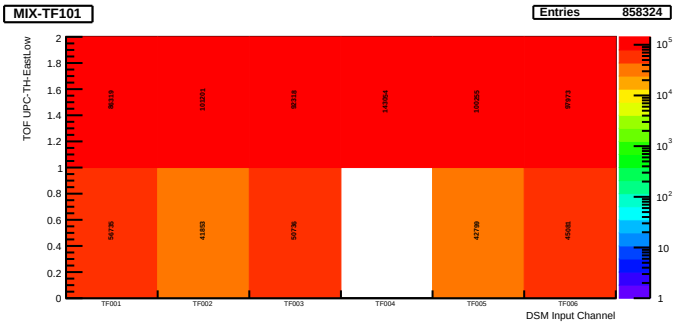

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

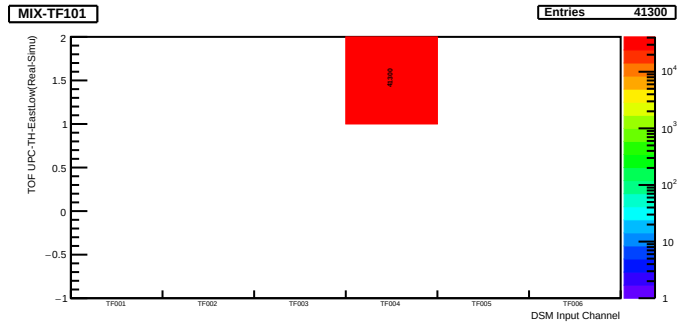

MIX-TF101
Entries 858324
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

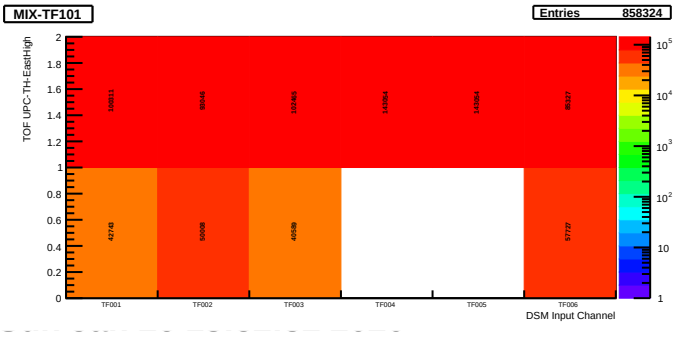

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

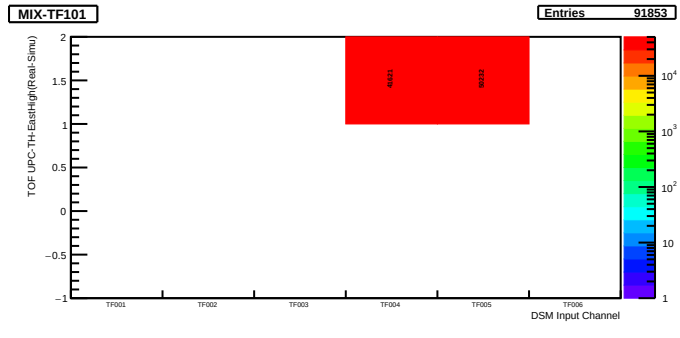

MIX-TF101
Entries 858324
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

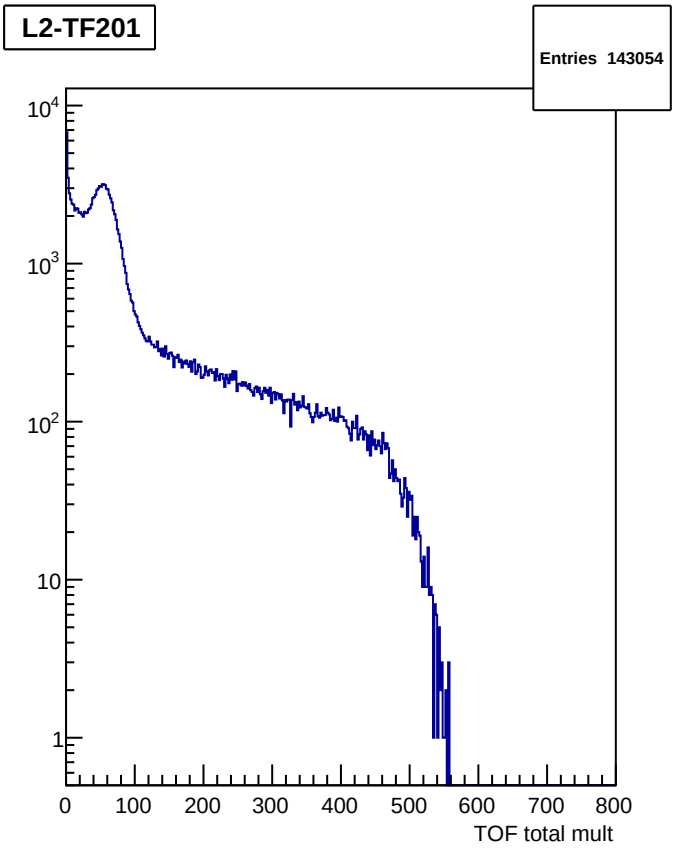

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

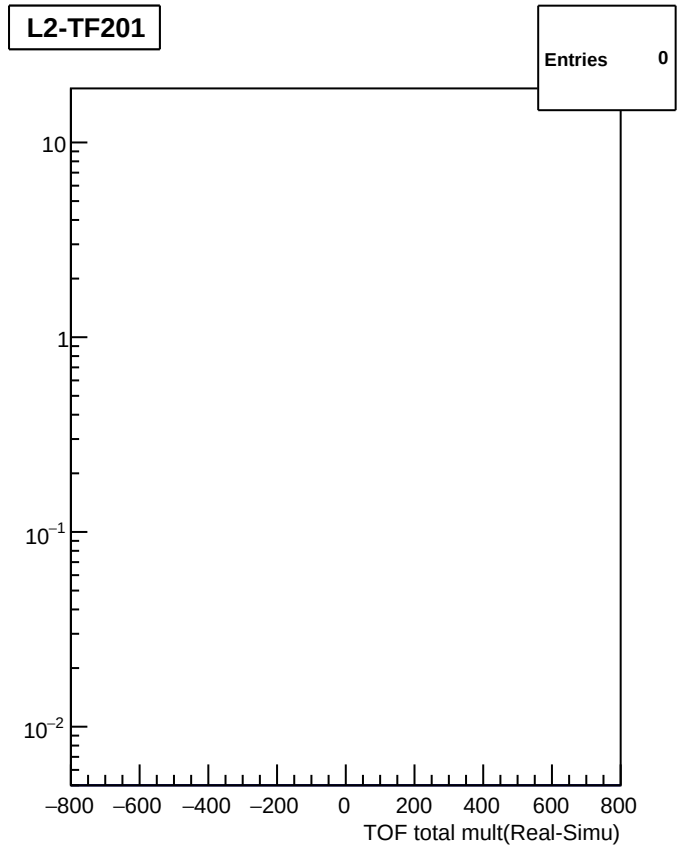

MIX-TF101
Entries 858324
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

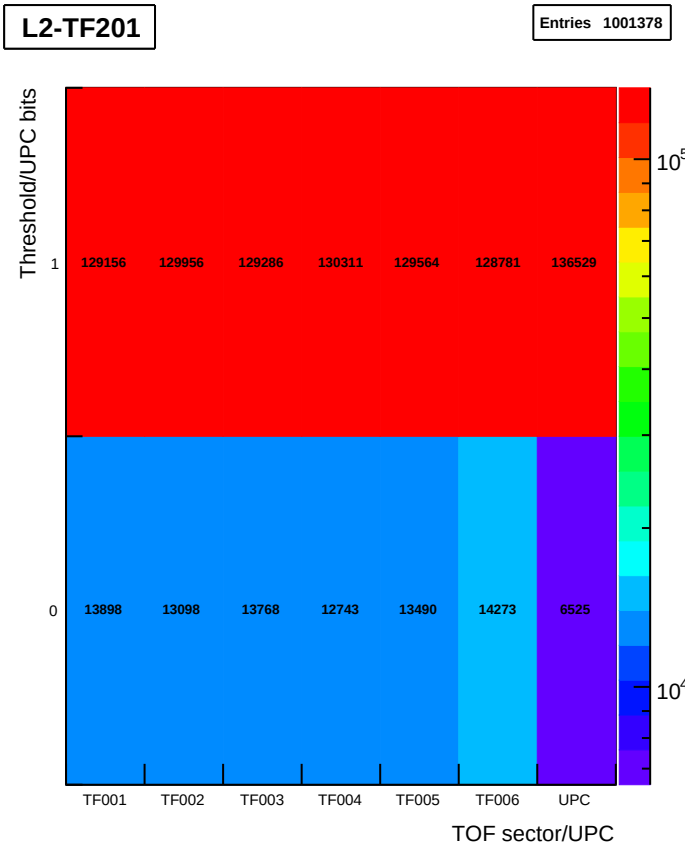

MIX-TF101
Entries 41300
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

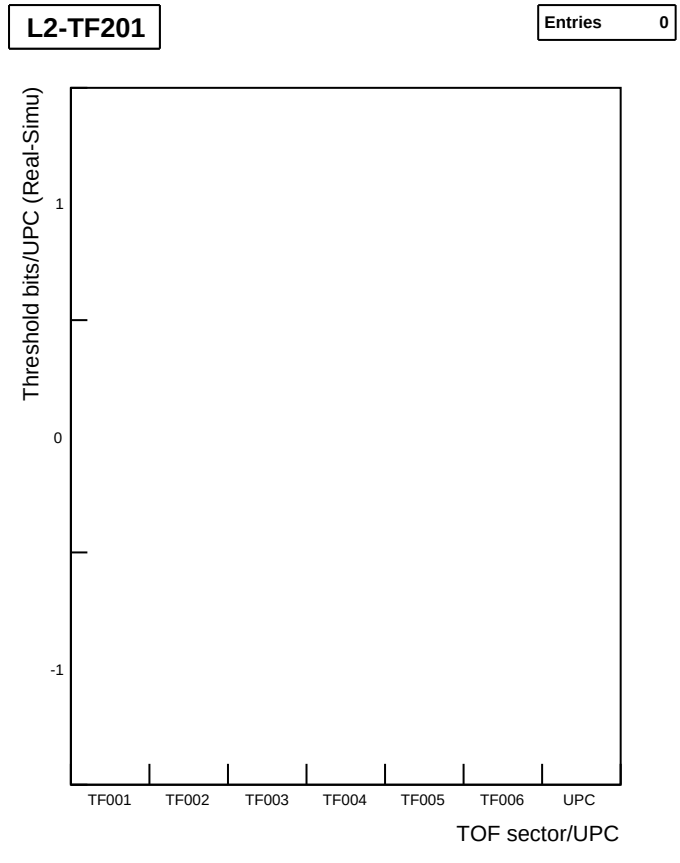

MIX-TF101
Entries 858324
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

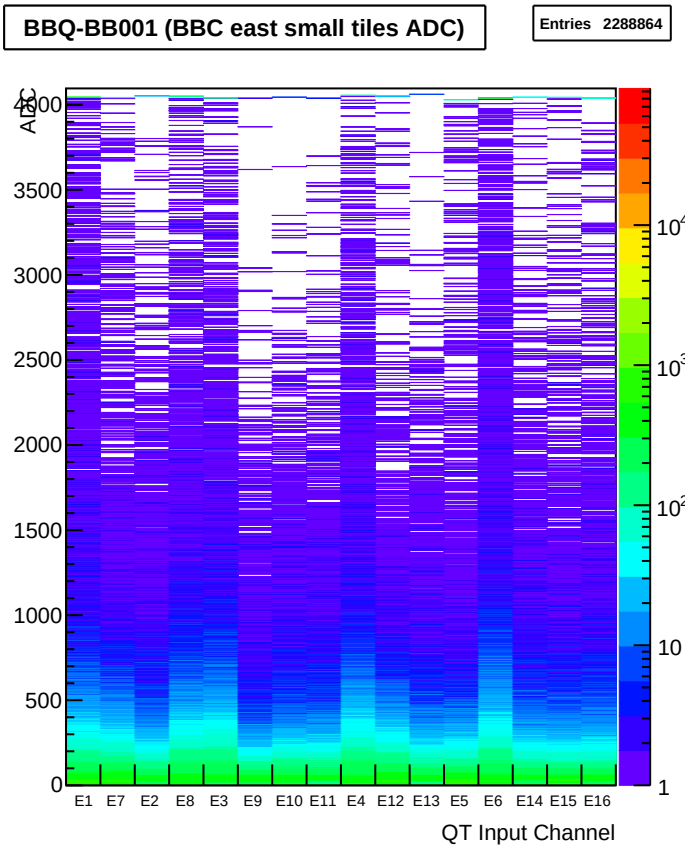

MIX-TF101
Entries 91853
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

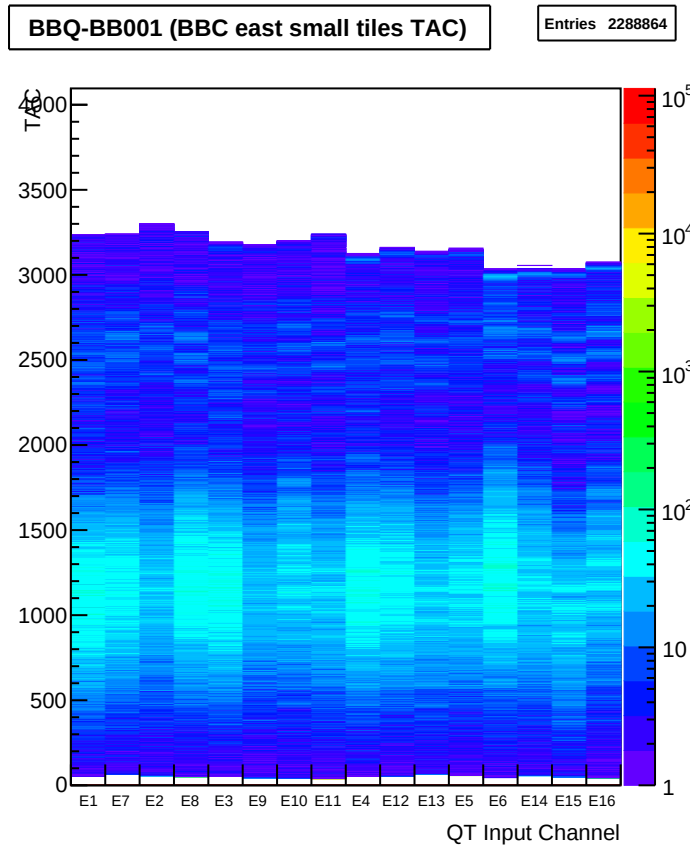

L2-TF201
Entries 143054
TOF total mult

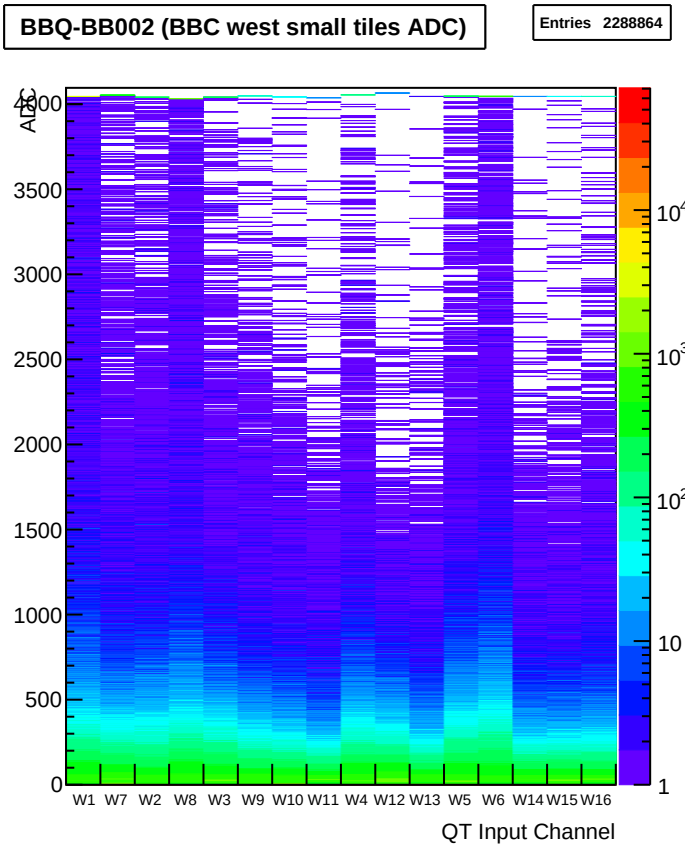

L2-TF201
Entries 0
TOF total mult(Real-Simu)

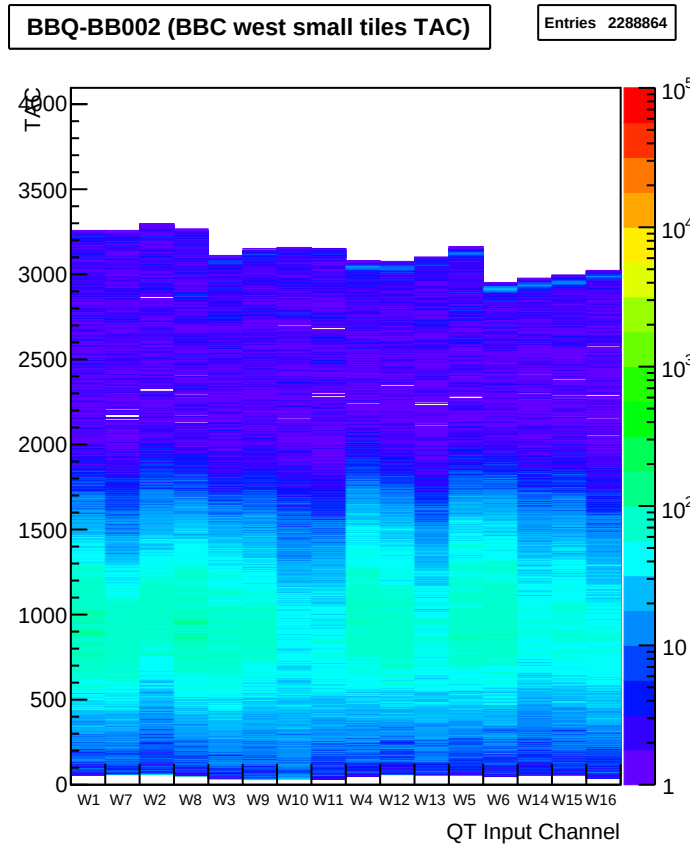

L2-TF201
Entries 1001378
Threshold/UPC bits
129156
129956
129286
130311
129564
128781
136529
13898
13098
13768
12743
13490
14273
6525
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

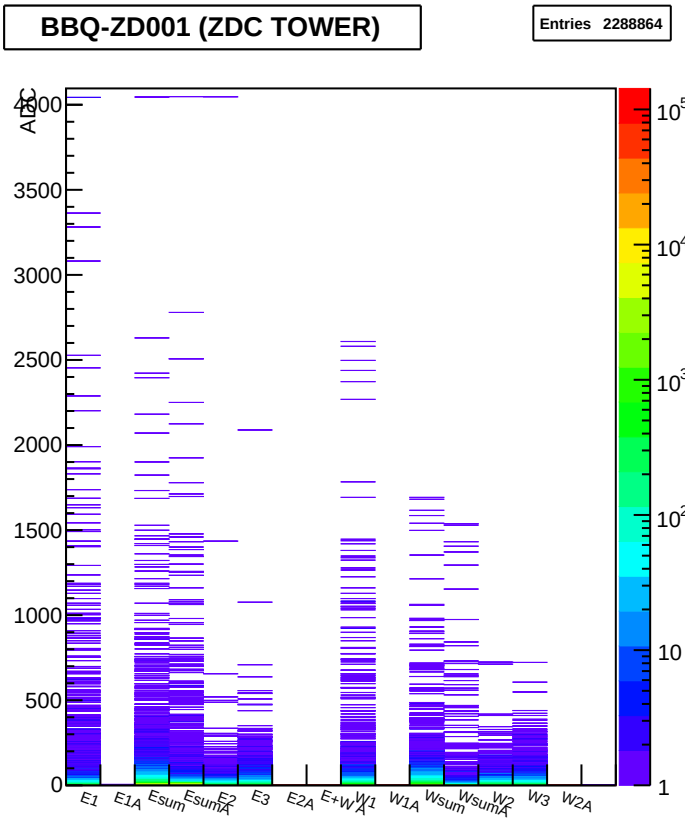

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

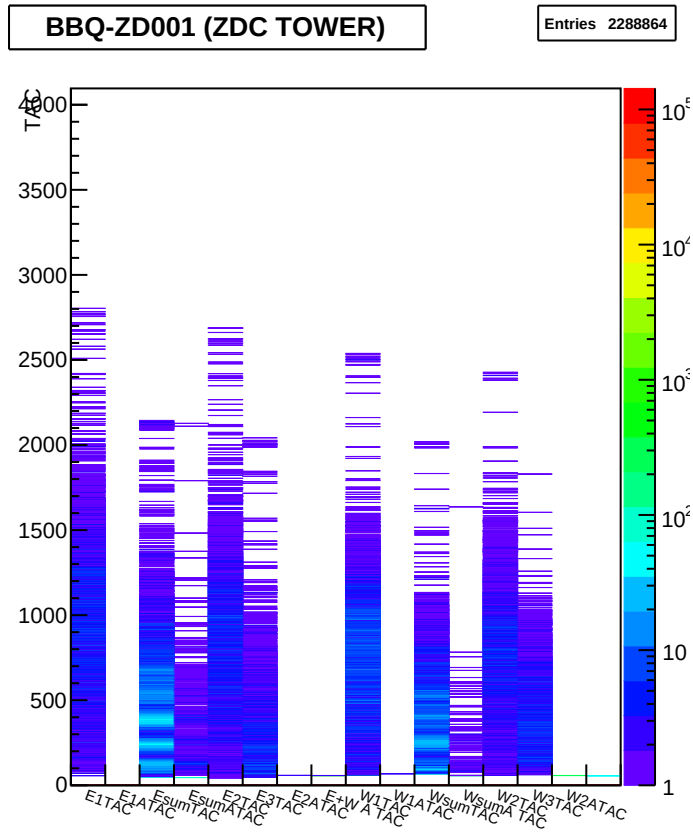

BBQ-BB001 (BBC east small tiles ADC)
Entries 2288864
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

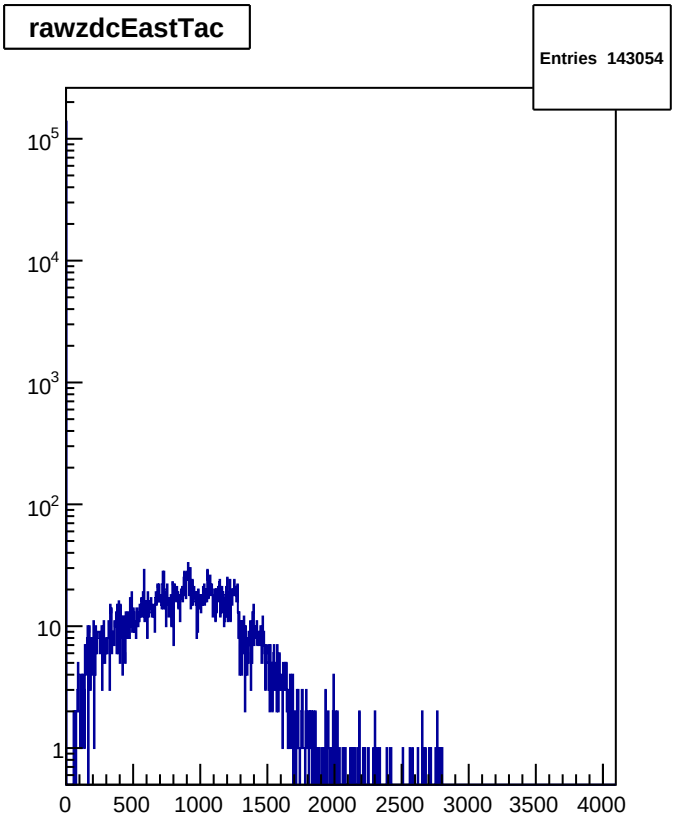

BBQ-BB001 (BBC east small tiles TAC)
Entries 2288864
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

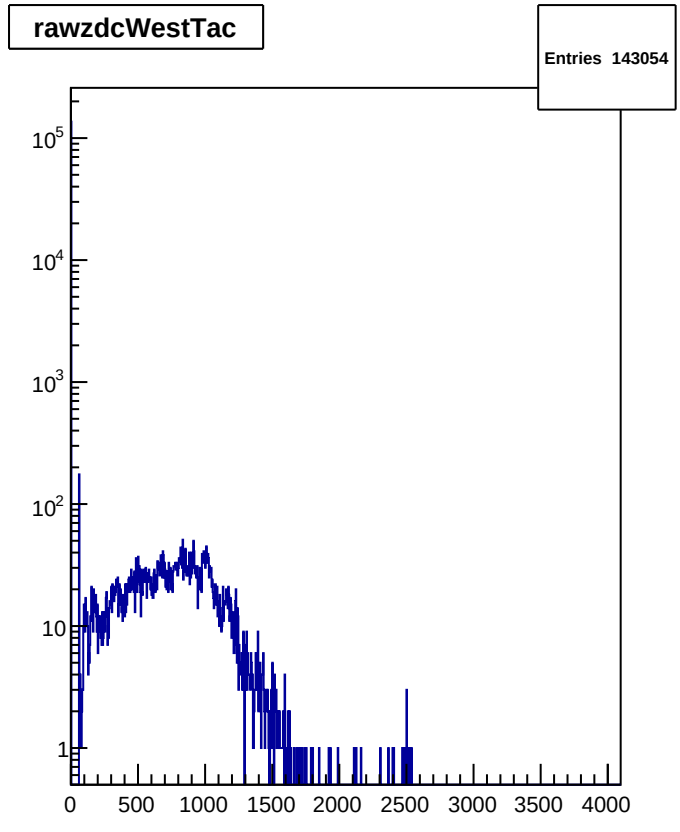

BBQ-BB002 (BBC west small tiles ADC)
Entries 2288864
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

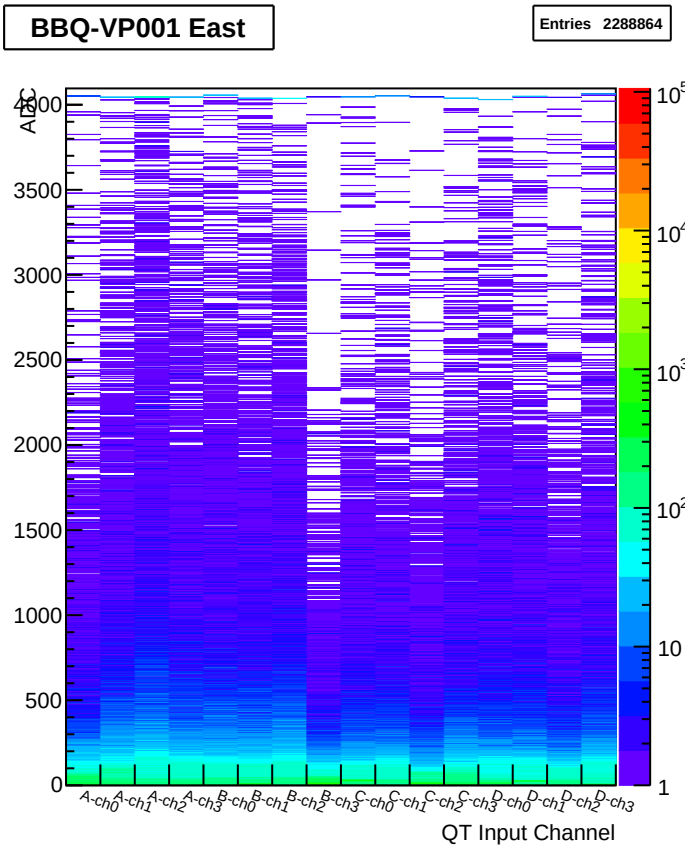

BBQ-BB002 (BBC west small tiles TAC)
Entries 2288864
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

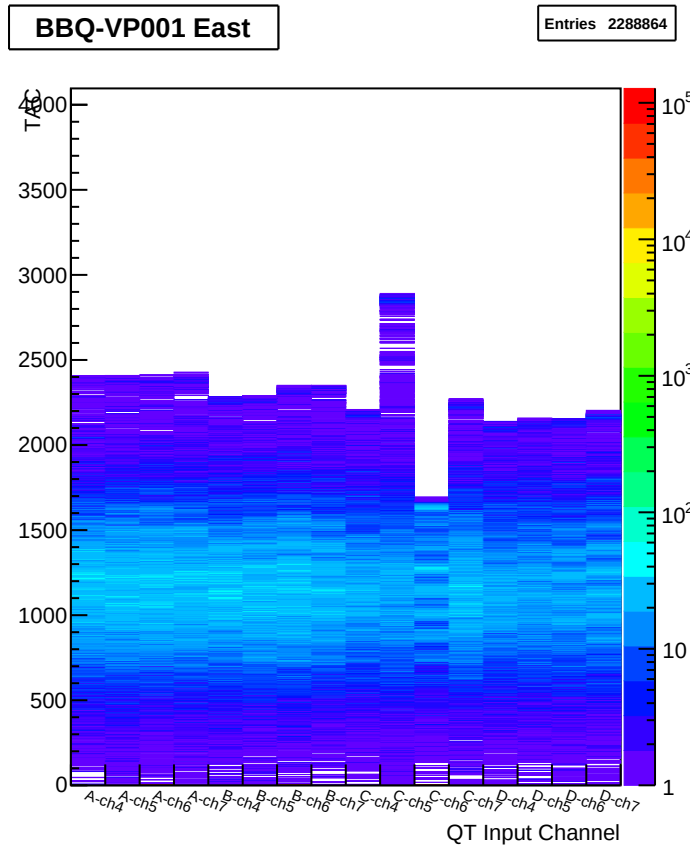

BBQ-ZD001 (ZDC TOWER)
Entries 2288864
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

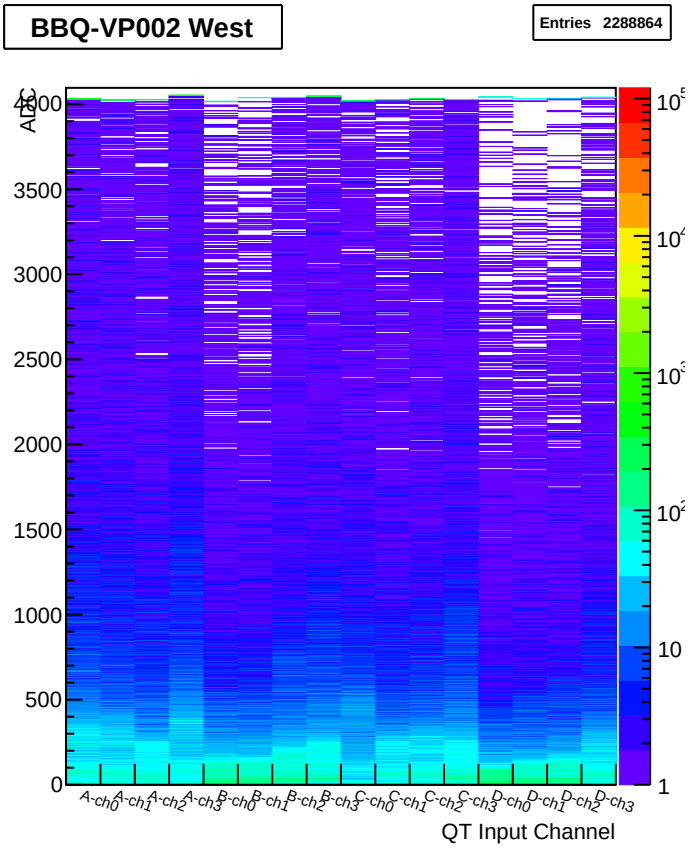

BBQ-ZD001 (ZDC TOWER)
Entries 2288864
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

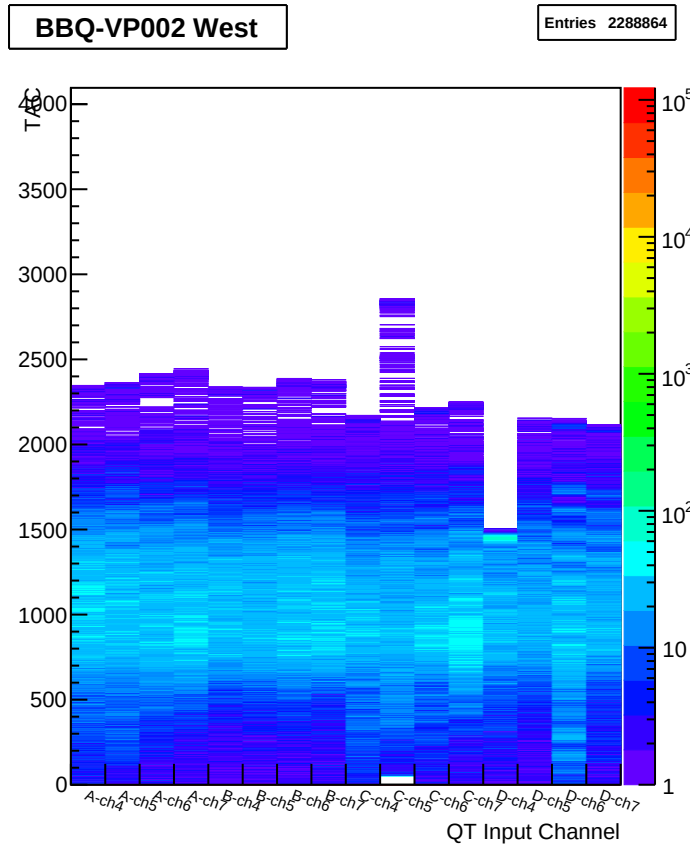

rawzdcEastTac
Entries 143054

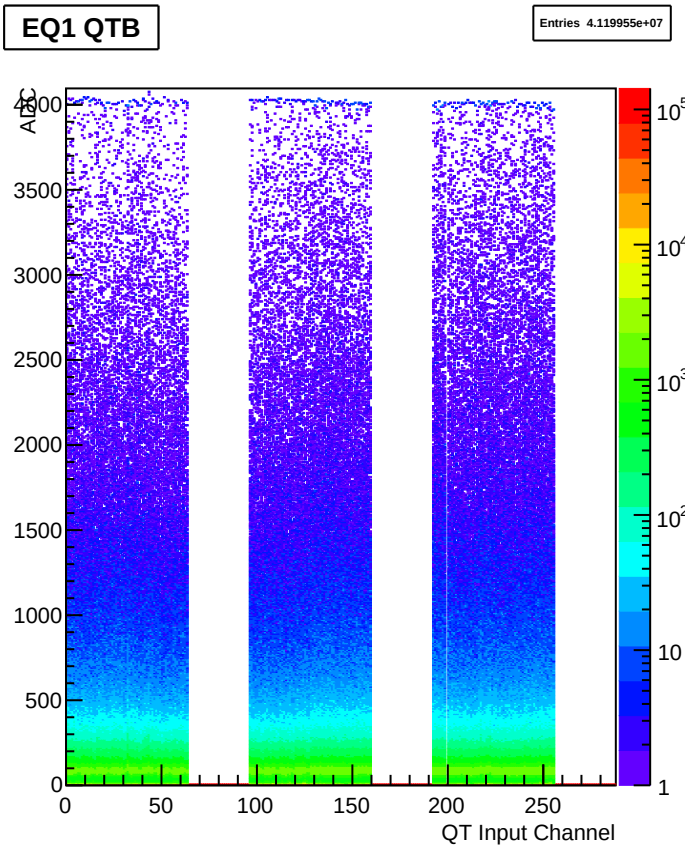

rawzdcWestTac
Entries 143054

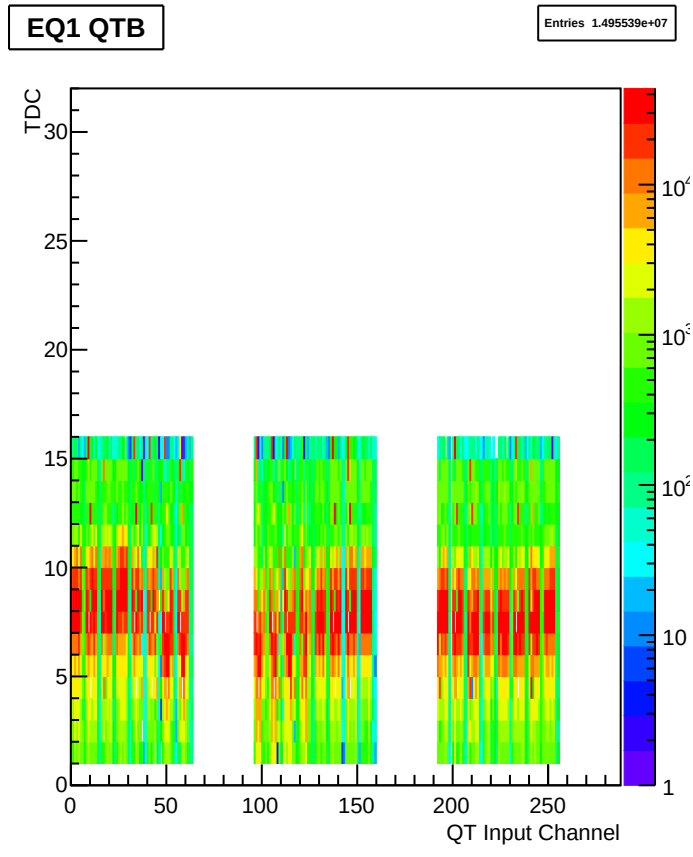

BBQ-VP001 East
Entries 2288864
ADC
QT Input Channel

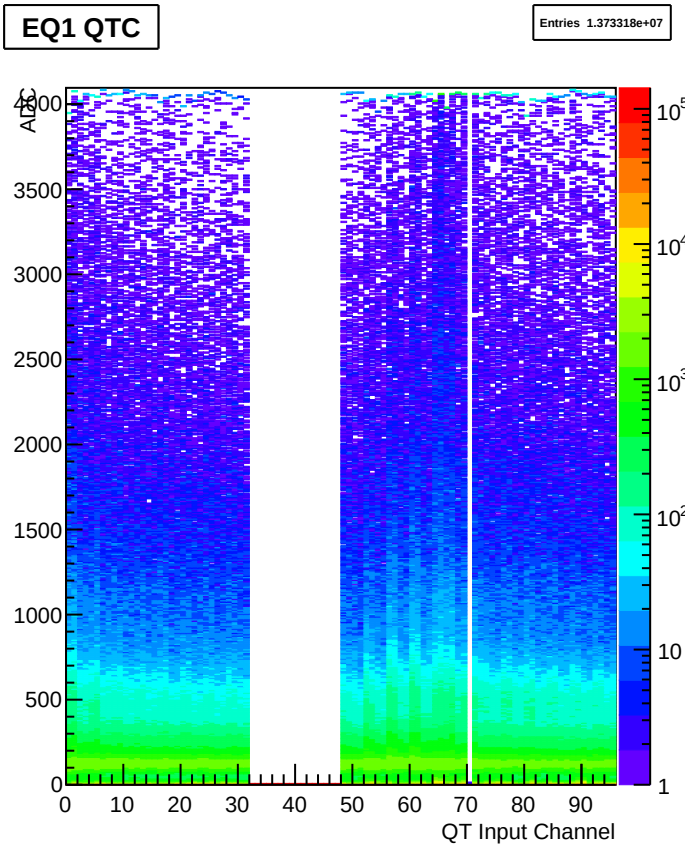

BBQ-VP001 East
Entries 2288864
TADC
QT Input Channel

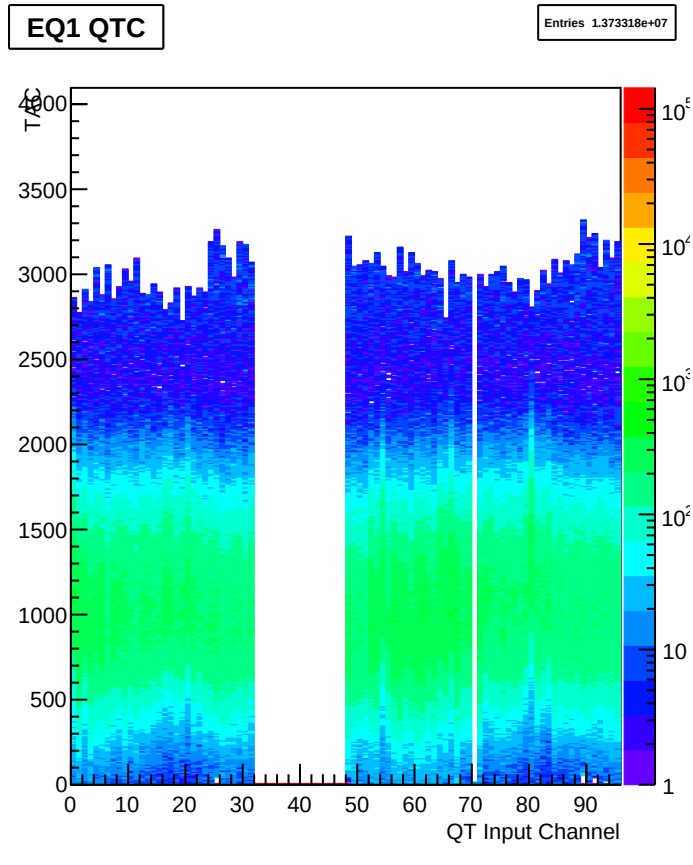

BBQ-VP002 West
Entries 2288864
ADC
QT Input Channel

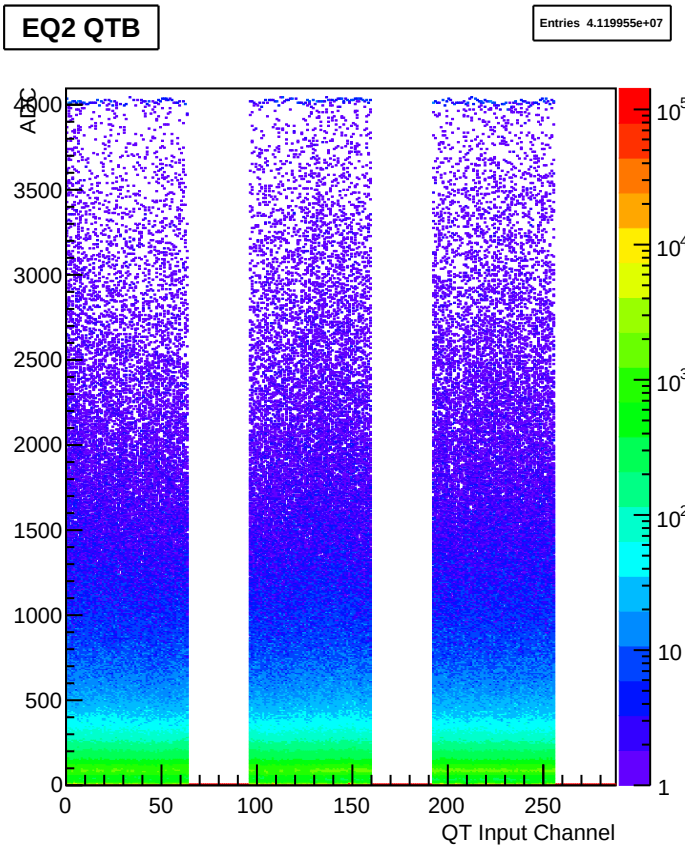

BBQ-VP002 West
Entries 2288864
TADC
QT Input Channel

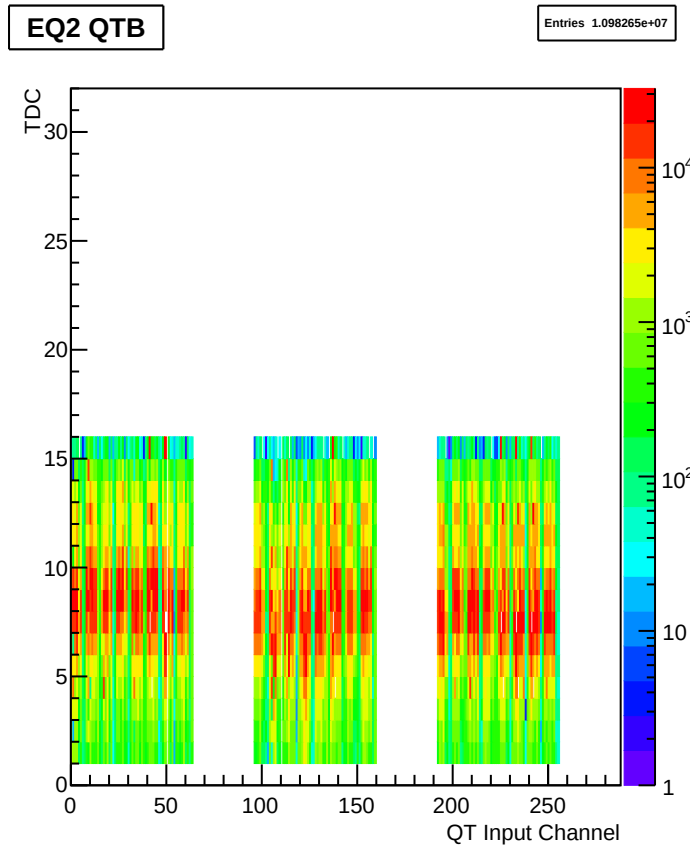

EQ1 QTB
Entries 4.119955e+07
ADC
QT Input Channel

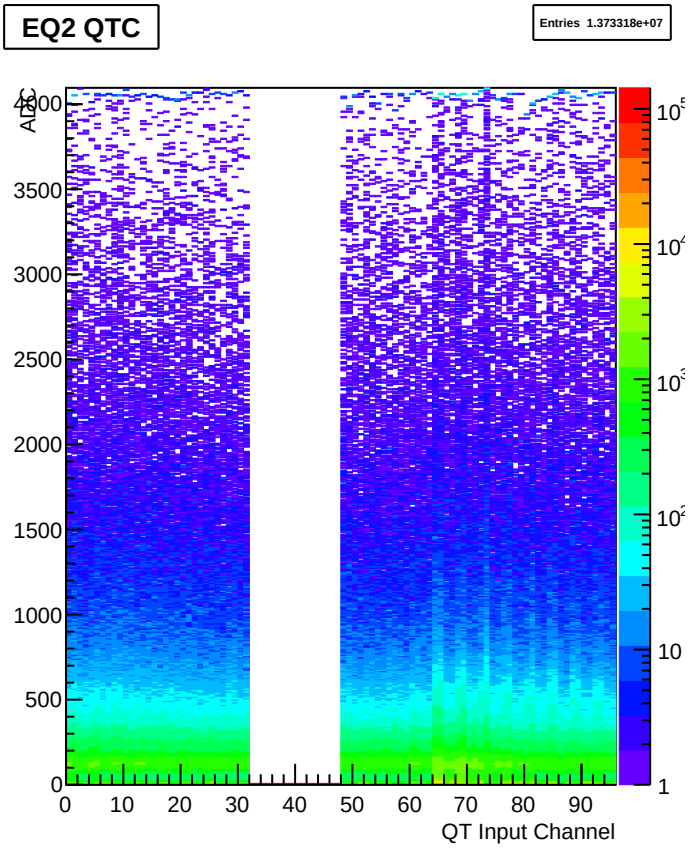

EQ1 QTB
Entries 1.495539e+07
TDC
QT Input Channel

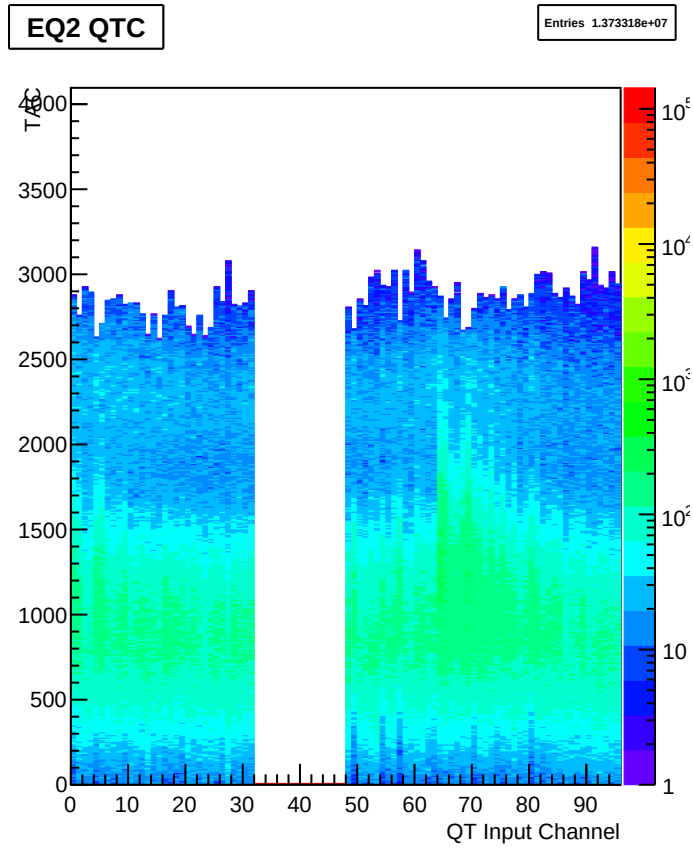

EQ1 QTC
Entries 1.373318e+07
ADC
QT Input Channel

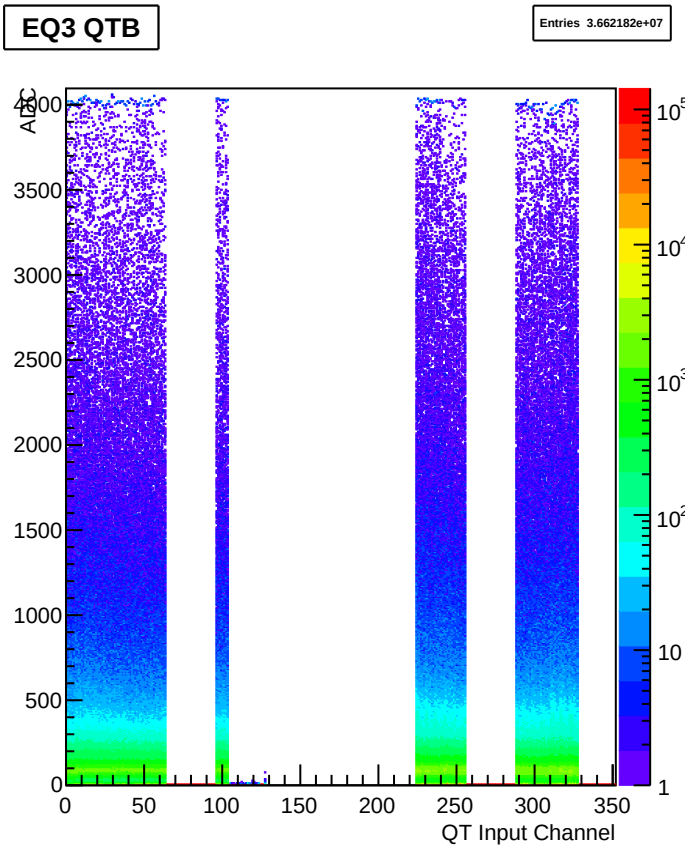

EQ1 QTC
Entries 1.373318e+07
TADC
QT Input Channel

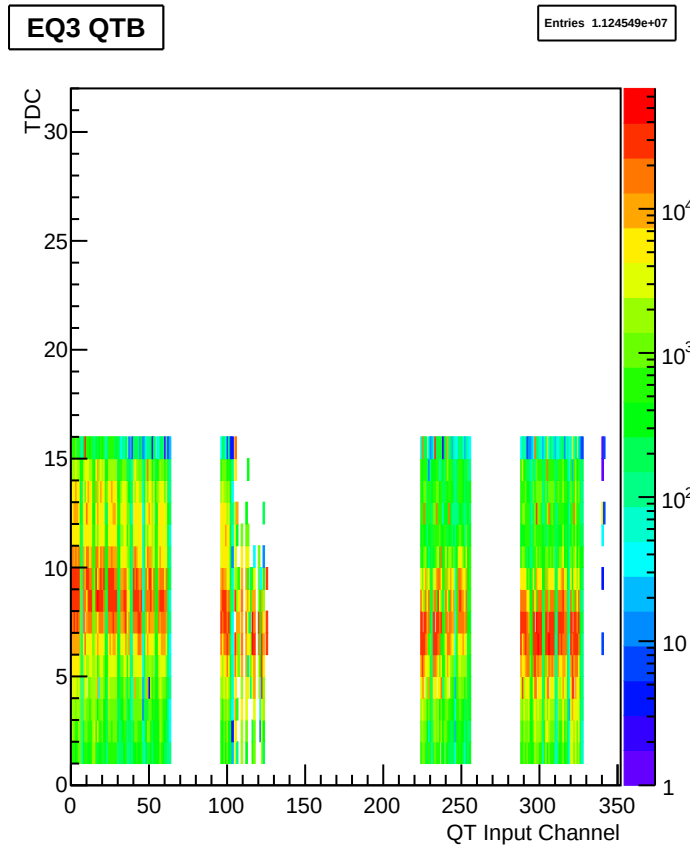

EQ2 QTB
Entries 4.119955e+07
ADC
QT Input Channel

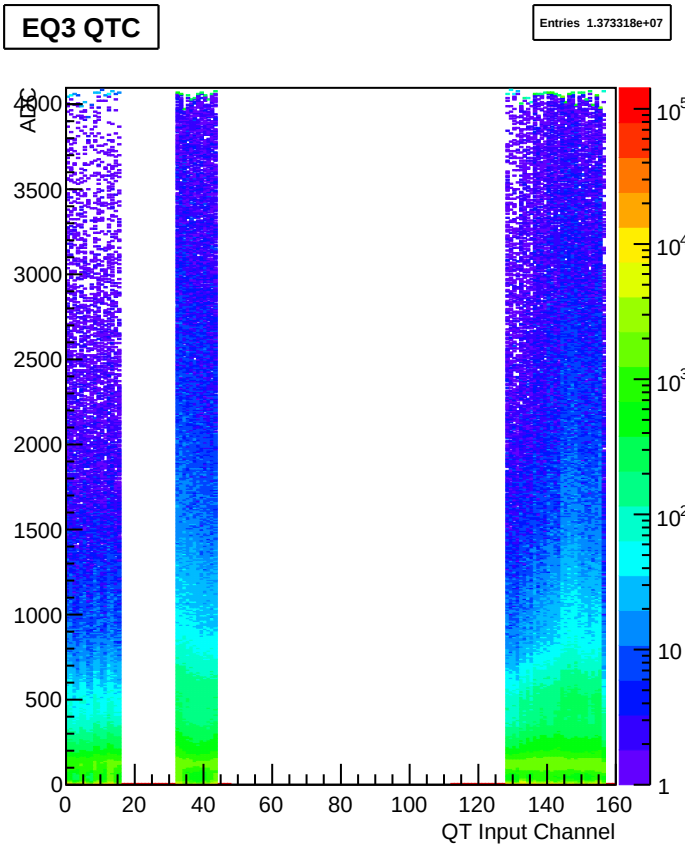

EQ2 QTB
Entries 1.098265e+07
TDC
QT Input Channel

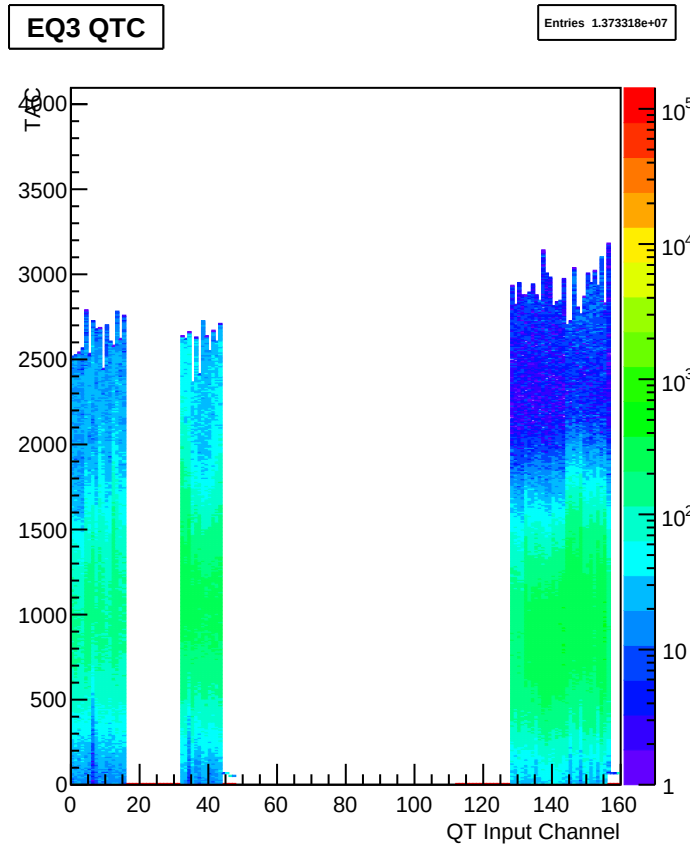

EQ2 QTC
Entries 1.373318e+07
ADC
QT Input Channel

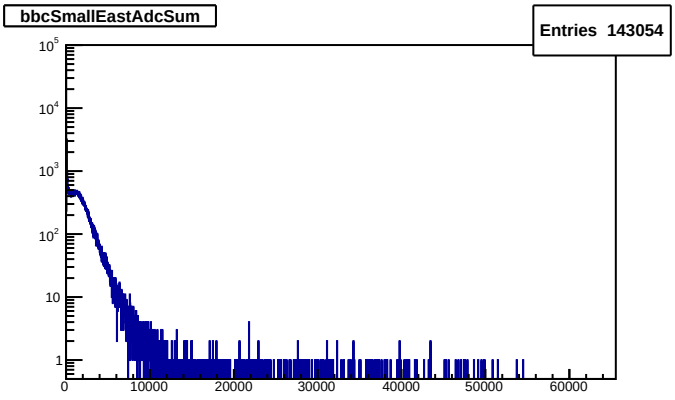

EQ2 QTC
Entries 1.373318e+07
TADC
QT Input Channel

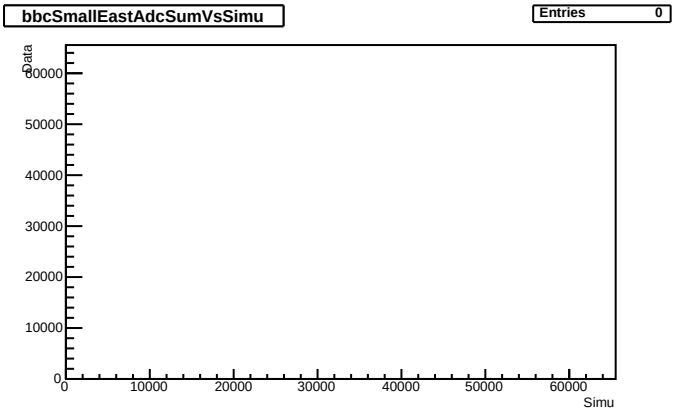

EQ3 QTB
Entries 3.662182e+07
ADC
QT Input Channel

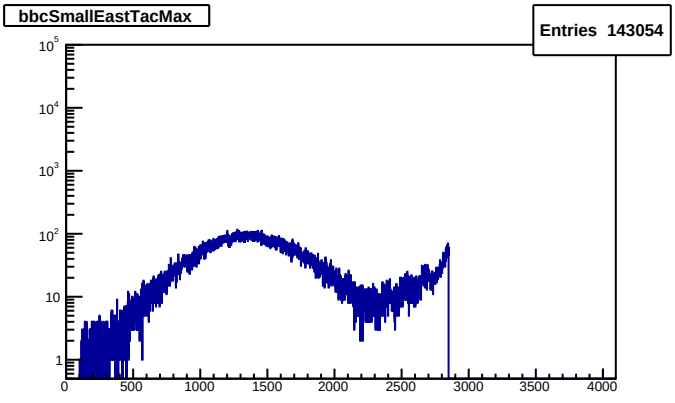

EQ3 QTB
Entries 1.124549e+07
TDC
QT Input Channel

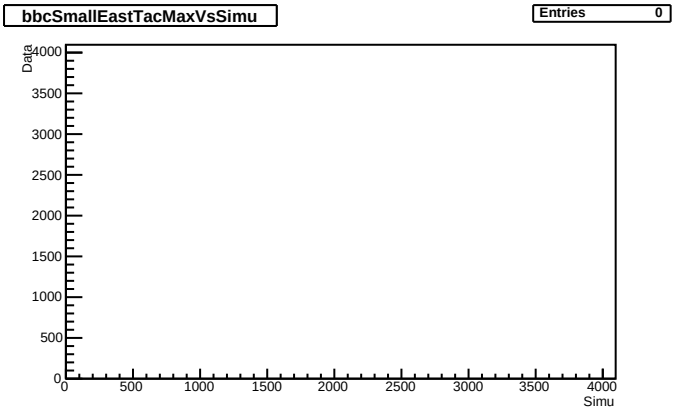

EQ3 QTC
Entries 1.373318e+07
ADC
QT Input Channel

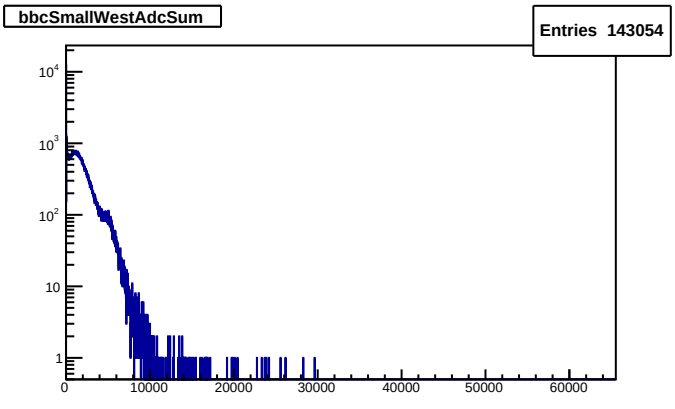

EQ3 QTC
Entries 1.373318e+07
TADC
QT Input Channel

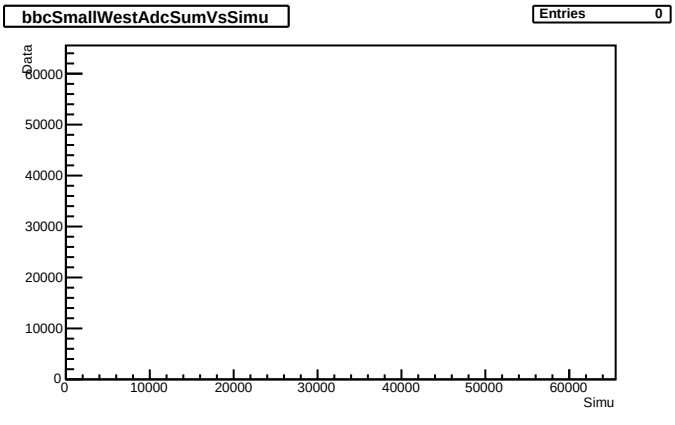

bbcSmallEastAdcSum
Entries 143054

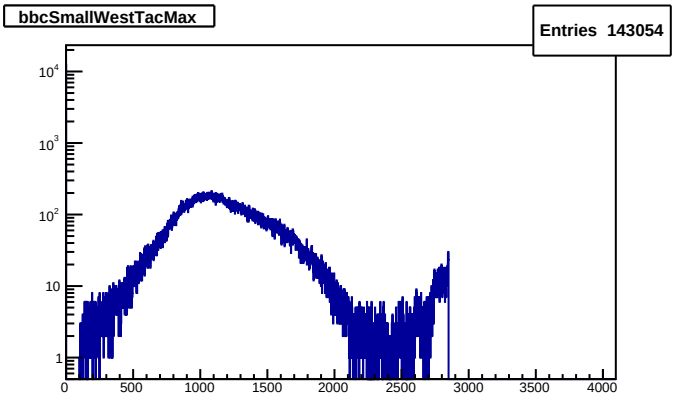

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 143054


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 143054


bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu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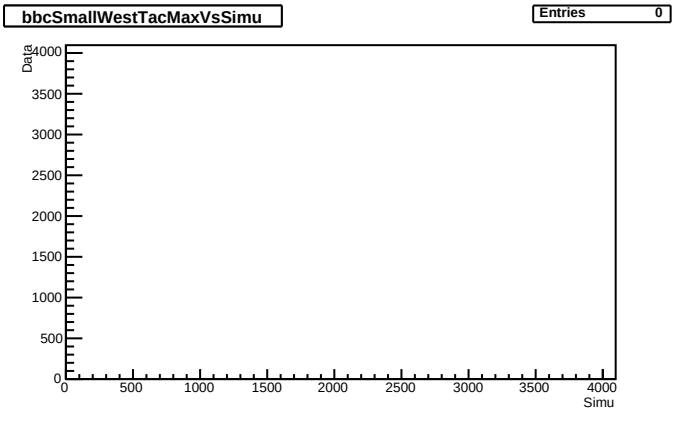
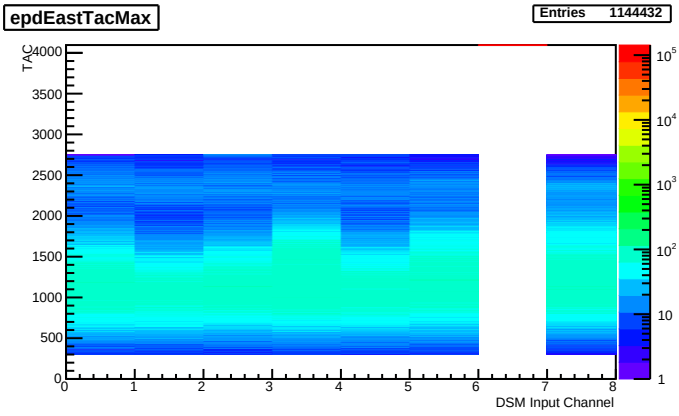
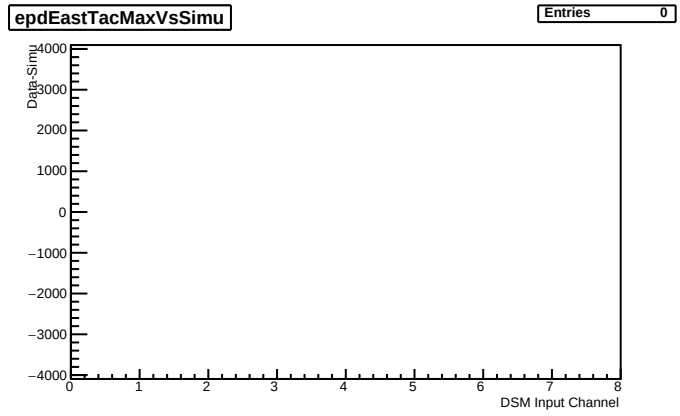
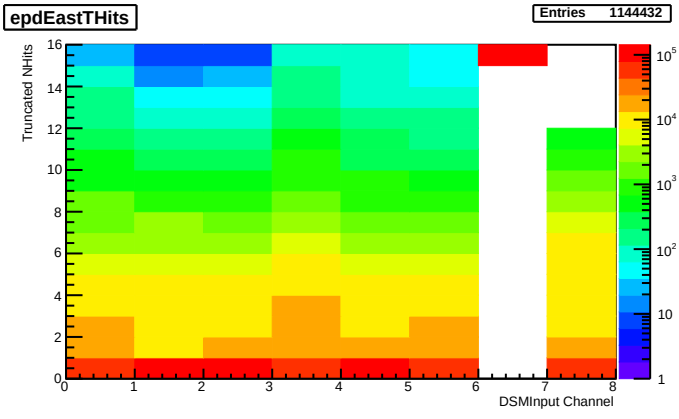
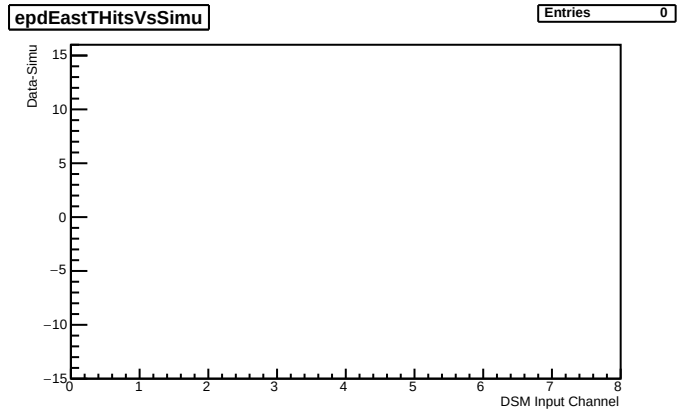
Entries 143054


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 1144432
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1144432
Truncated NHits
DSMInput Channel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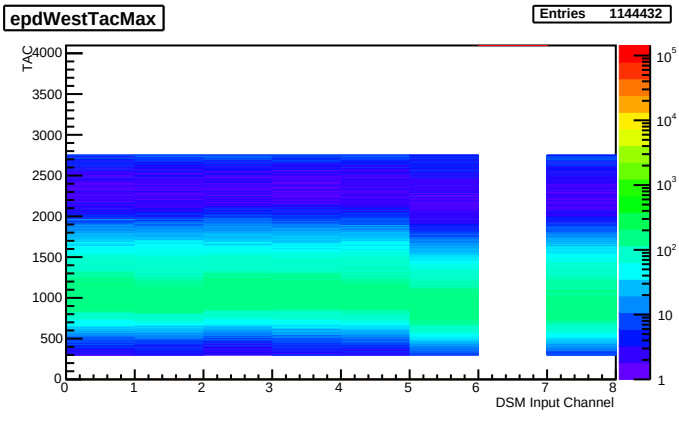
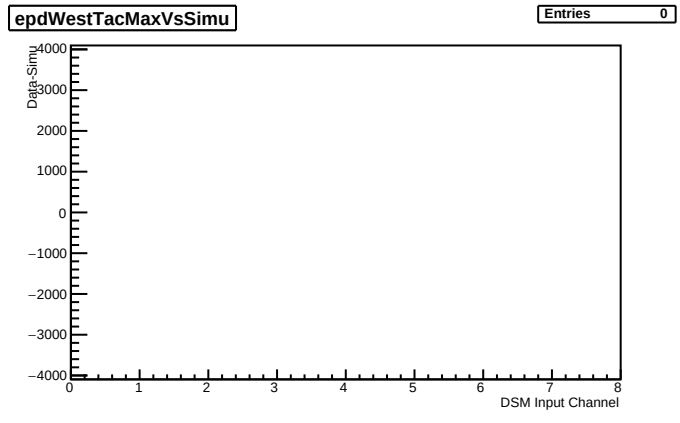
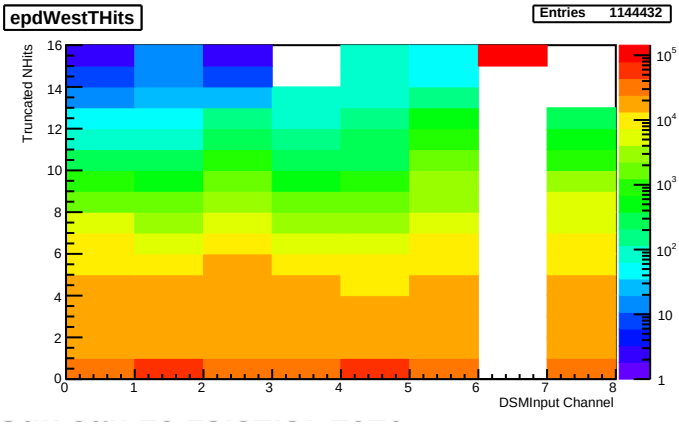
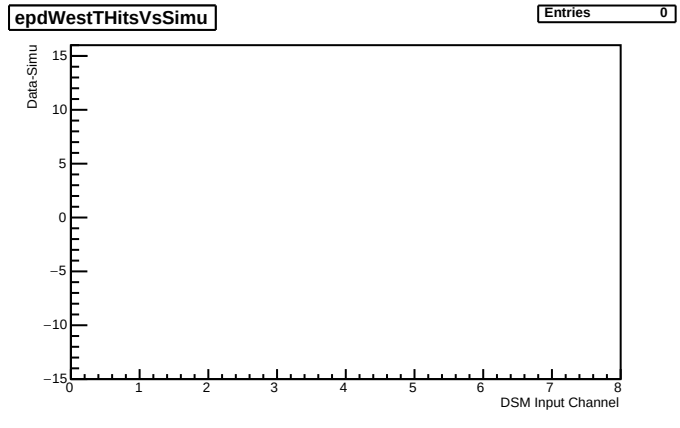
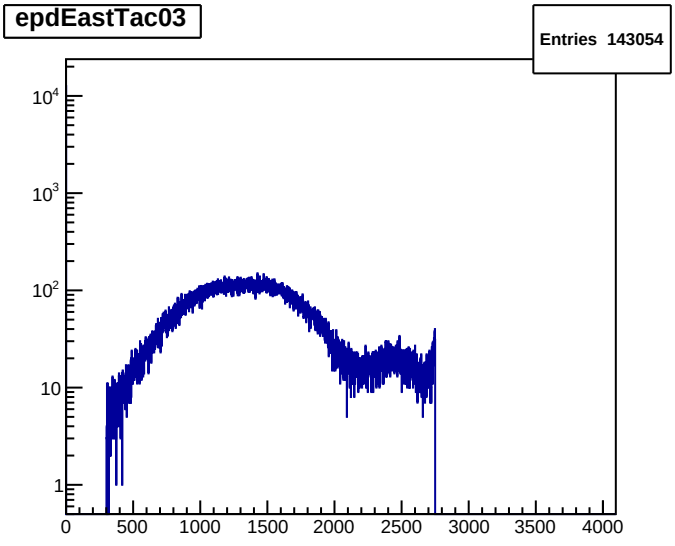
DSM Input Channel

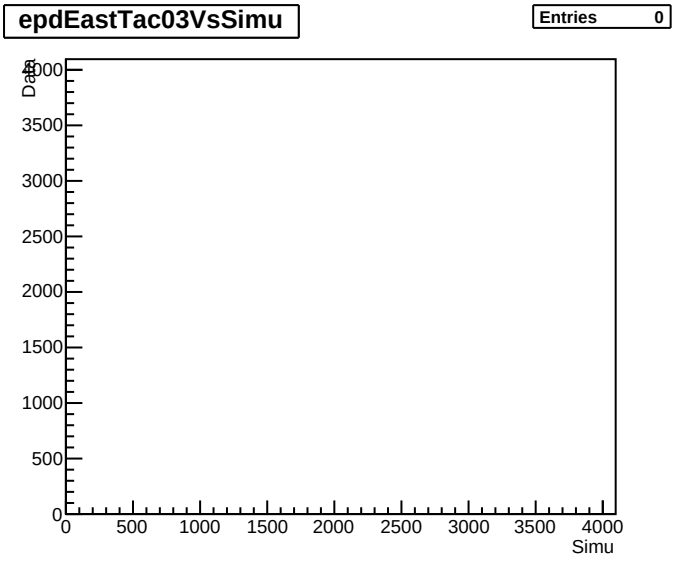

epdWestTacMax
Entries 1144432
TAC
DSM Input Channel

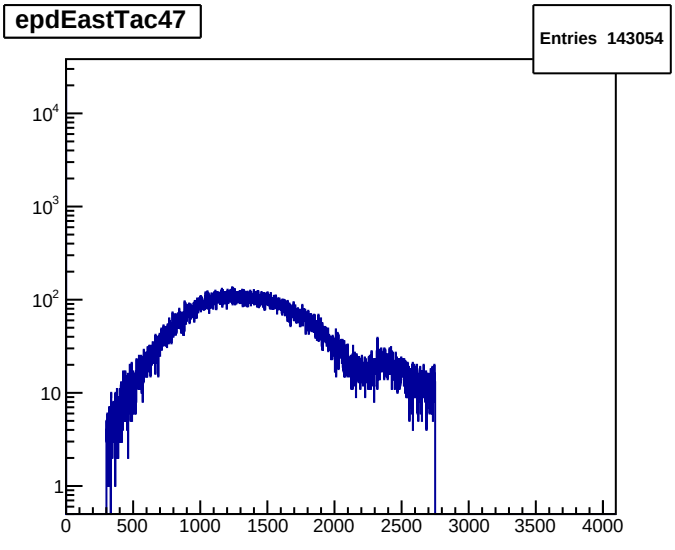

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

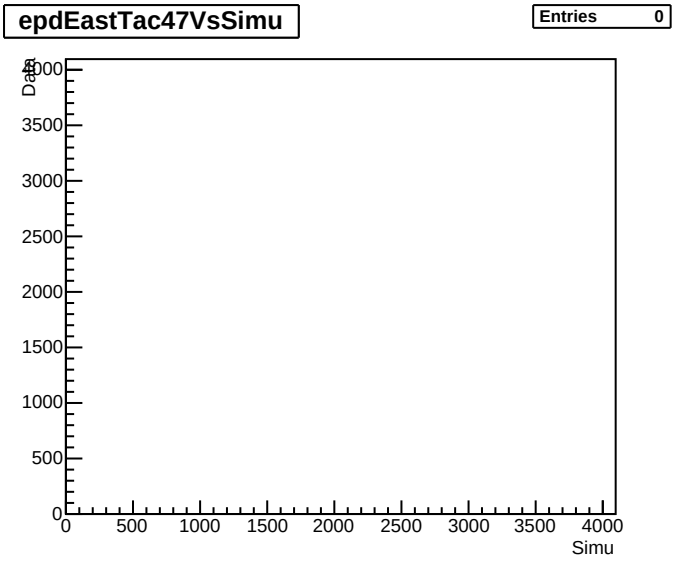

epdWestTHits
Entries 1144432
Truncated NHits
DSMInput Channel

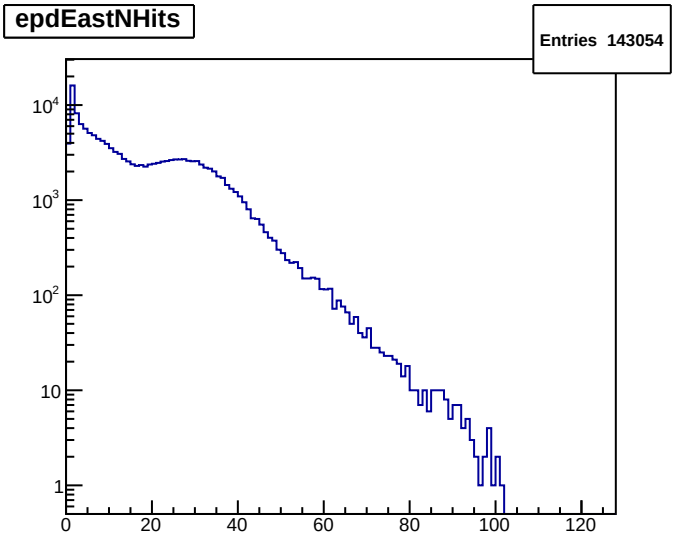

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

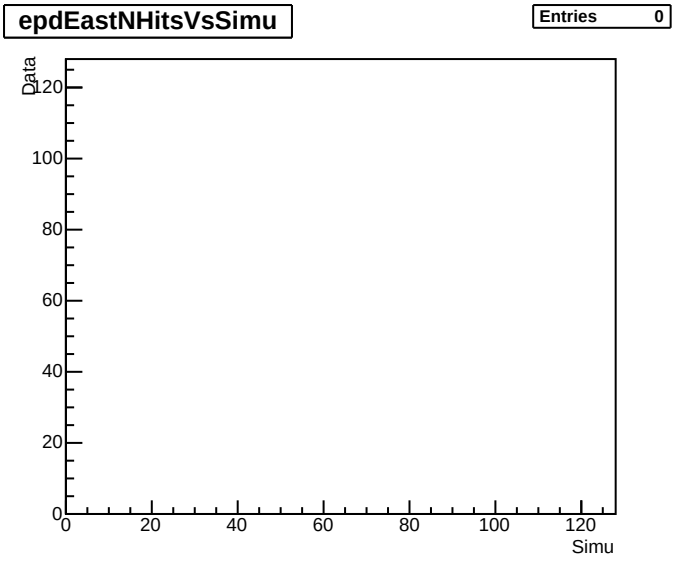

epdEastTac03
Entries 143054
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

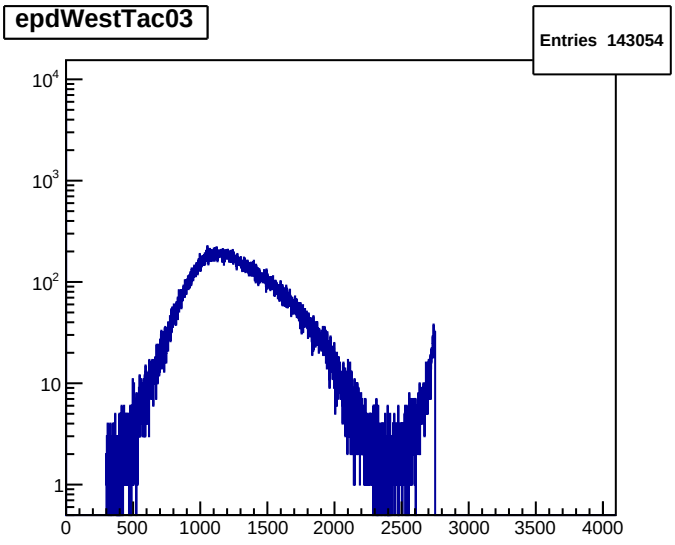

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

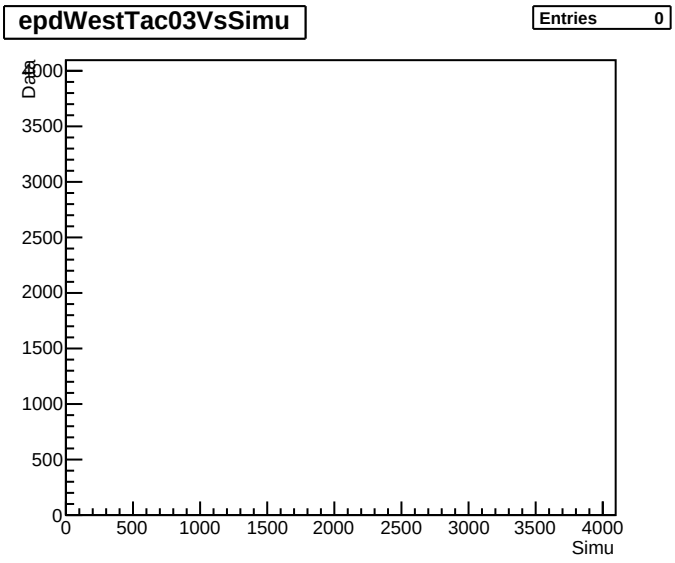

epdEastTac47
Entries 143054
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


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 143054
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 143054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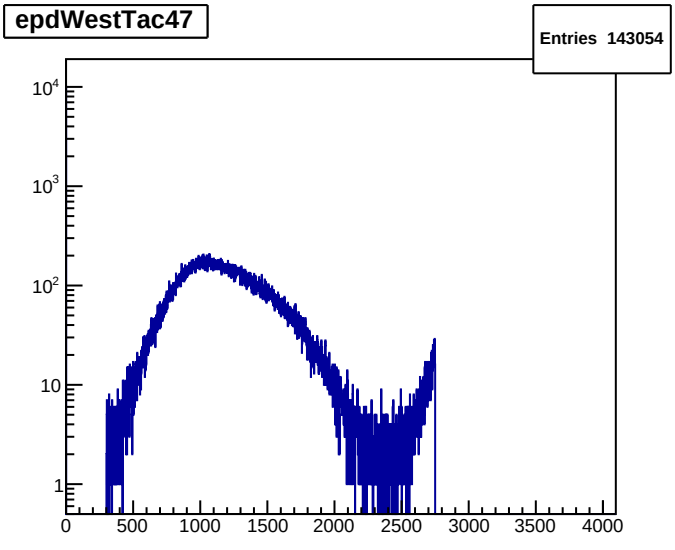
Entries 0
Data
Simu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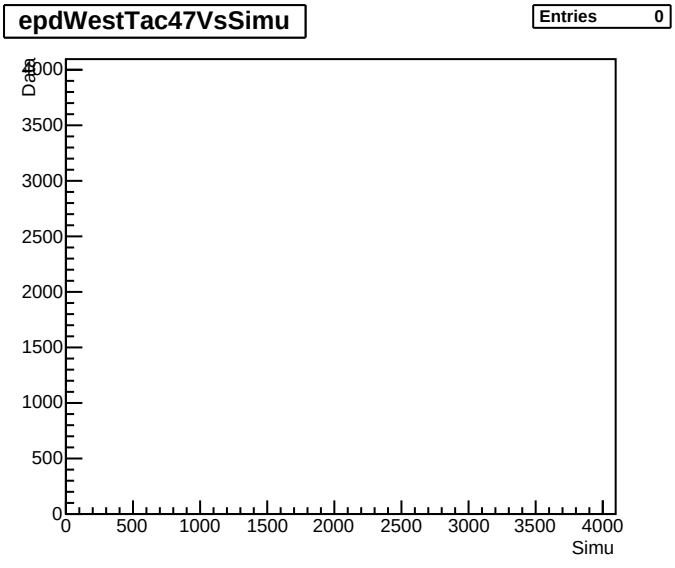
Entries 143054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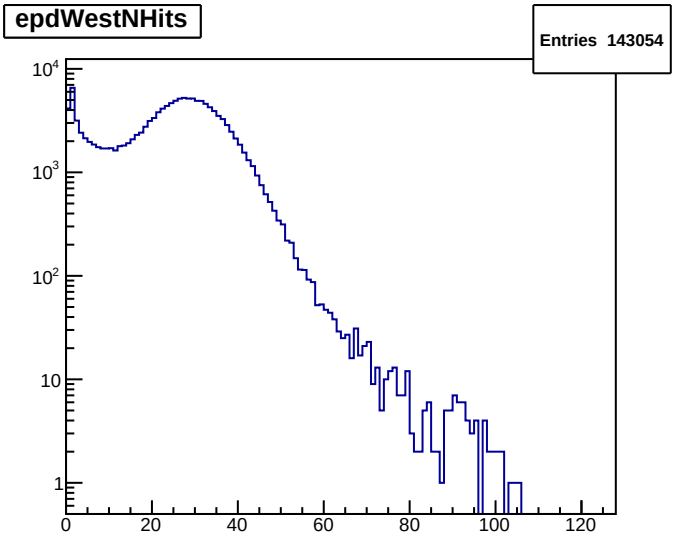
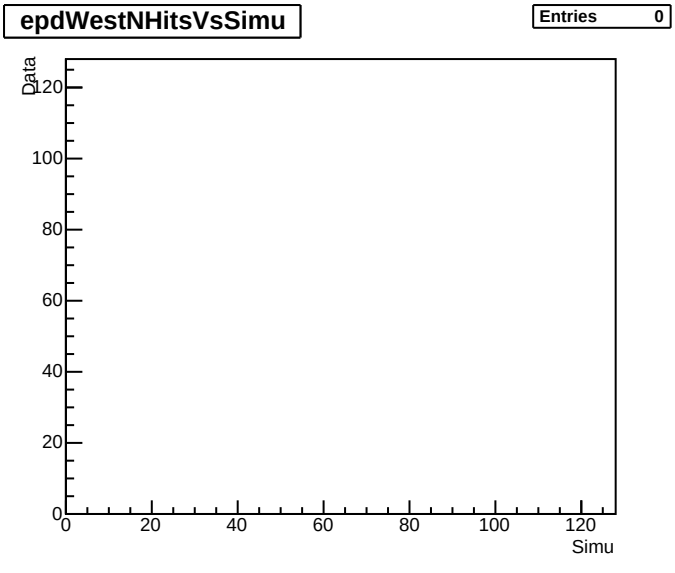
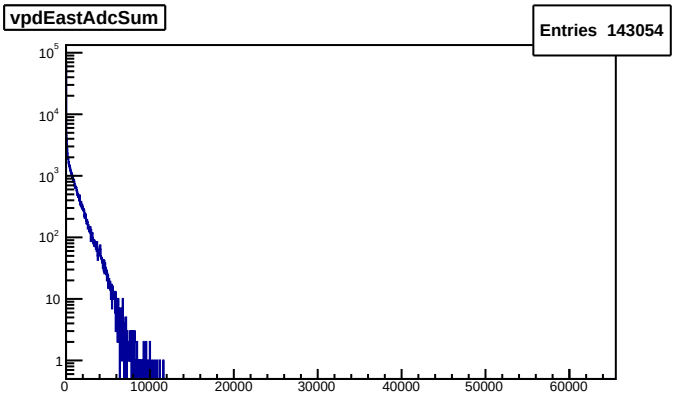
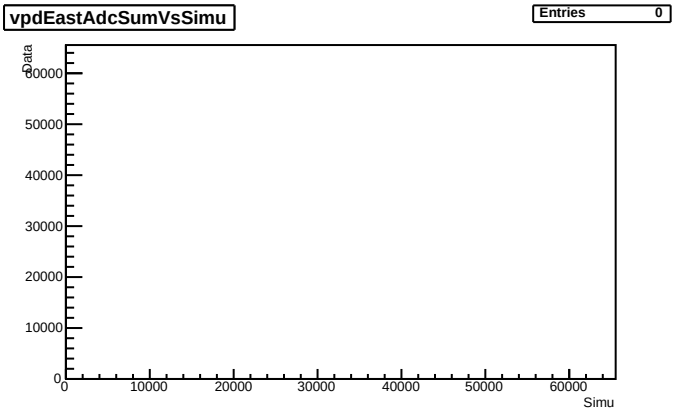
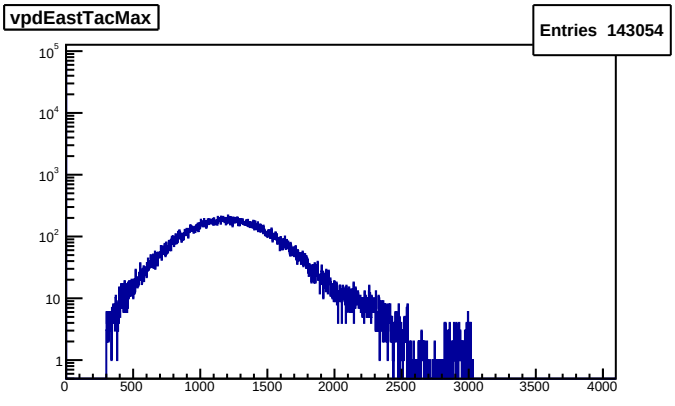
Entries 0
Data
Simu

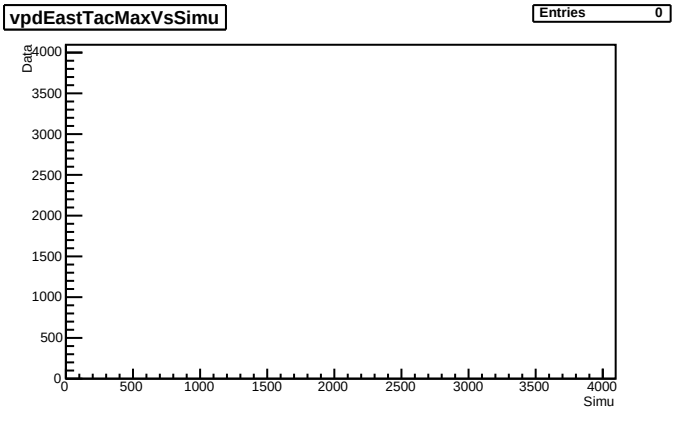

epdWestNHits
Entries 143054

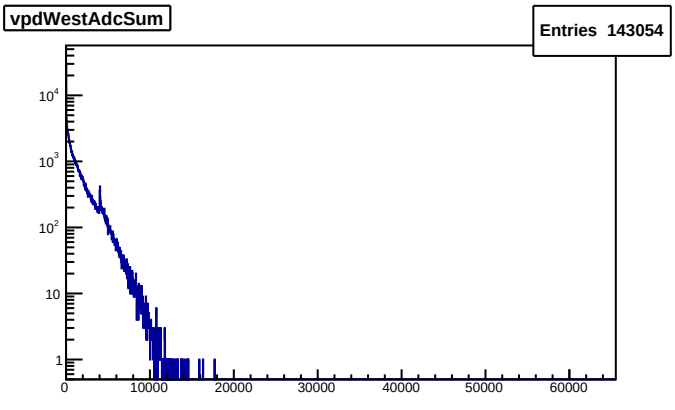

epdWestNHitsVsSimu
Entries 0
Data
Simu

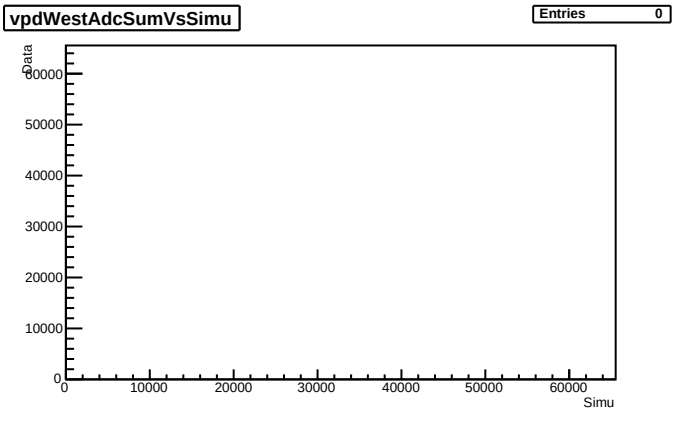

vpdEastAdcSum
Entries 143054

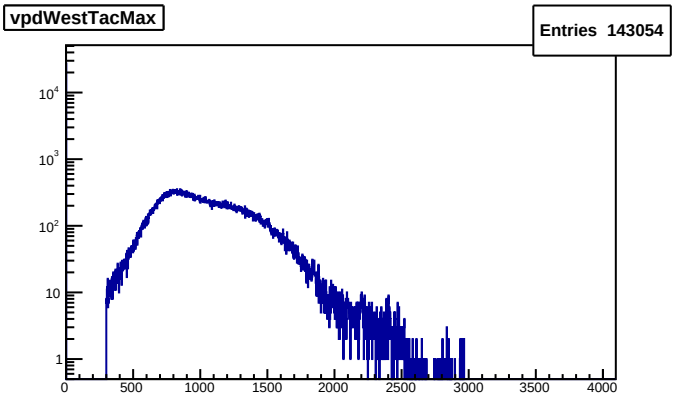

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

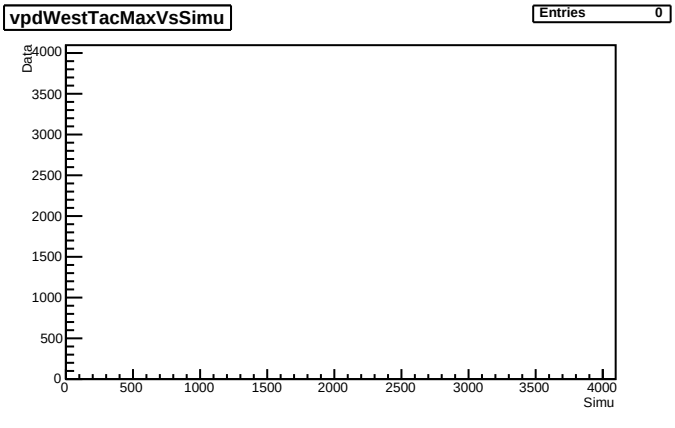

vpdEastTacMax
Entries 143054

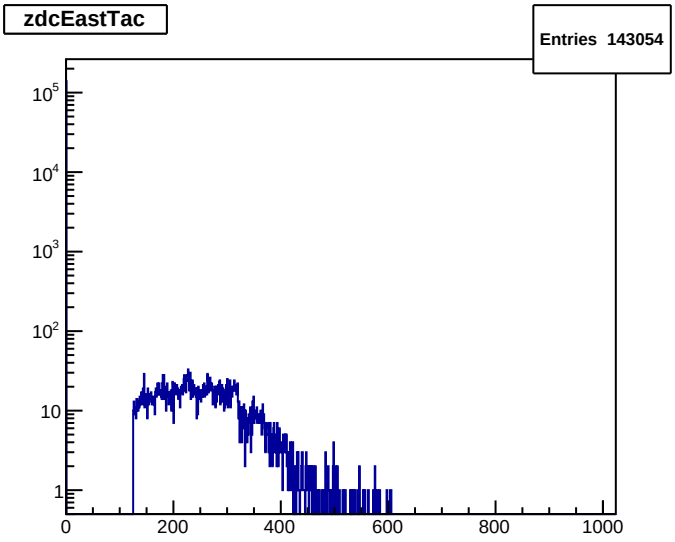

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

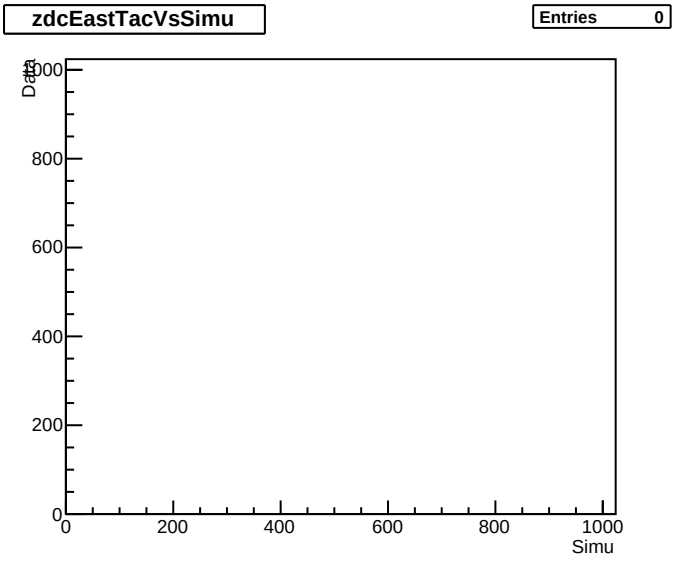

vpdWestAdcSum
Entries 143054

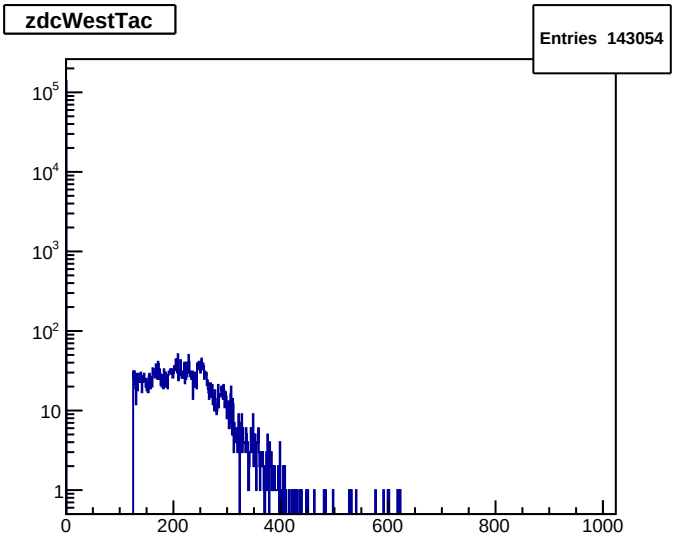

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

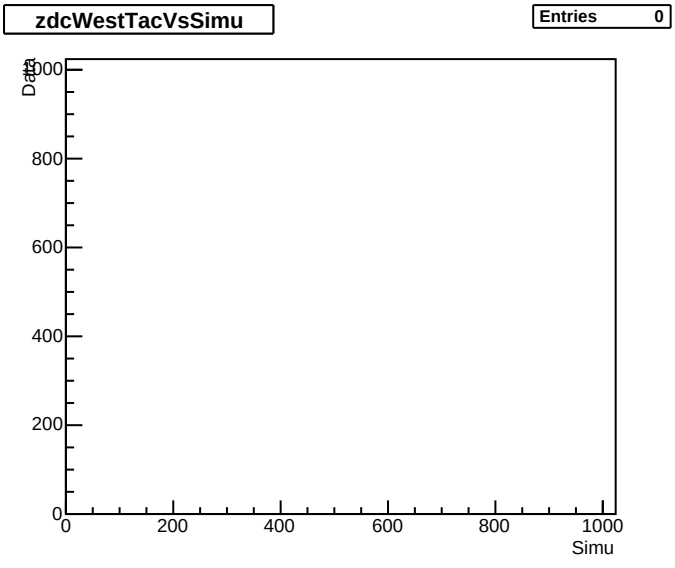

vpdWestTacMax
Entries 143054

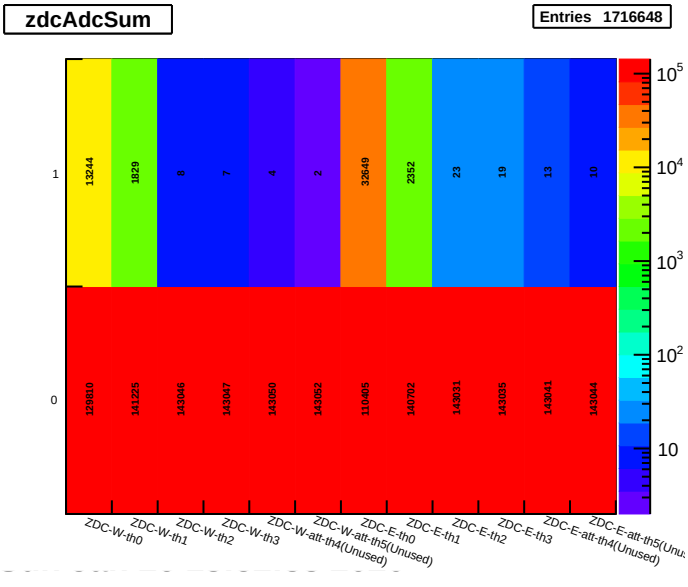

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

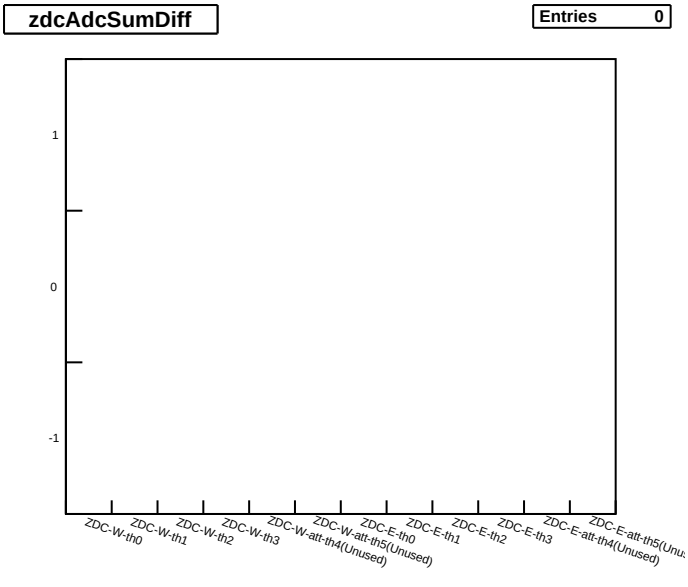

zdcEastTac
Entries 143054

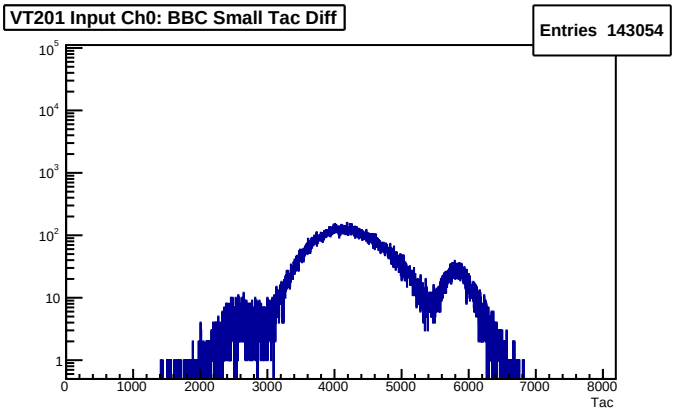

zdcEastTacVsSimu
Entries 0
Data
Simu

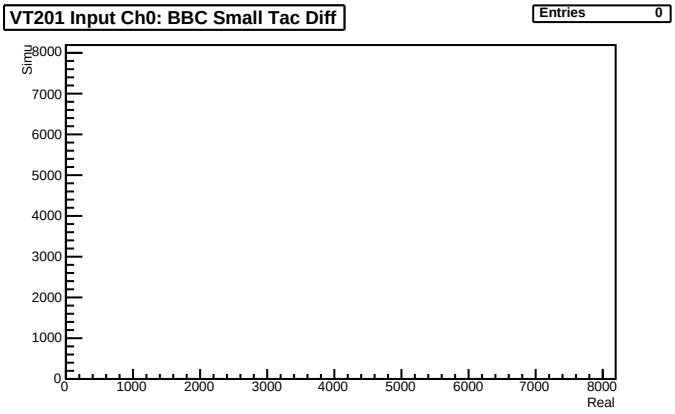

zdcWestTac
Entries 143054

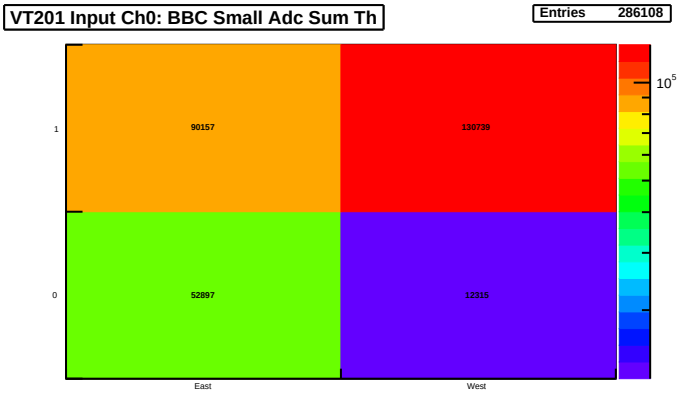

zdcWestTacVsSimu
Entries 0
Data
Simu

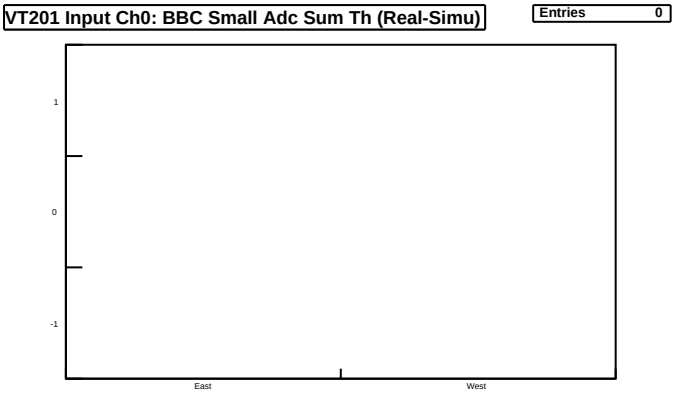

zdcAdcSum
Entries 1716648
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

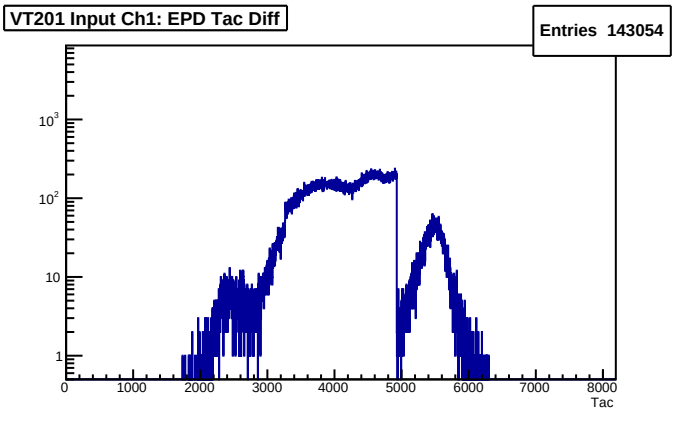

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

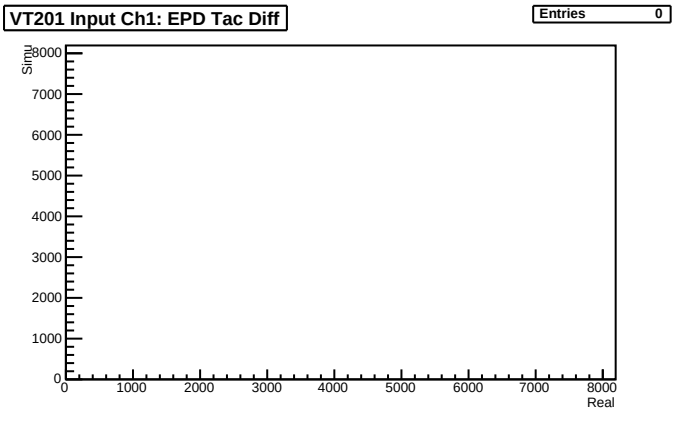

VT201 Input Ch0: BBC Small Tac Diff
Entries 143054
Tac

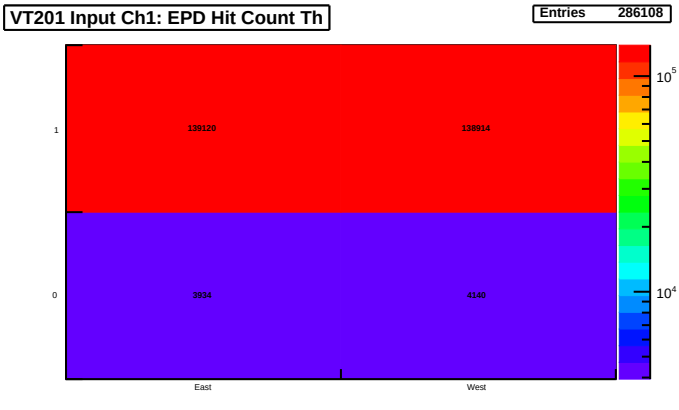

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

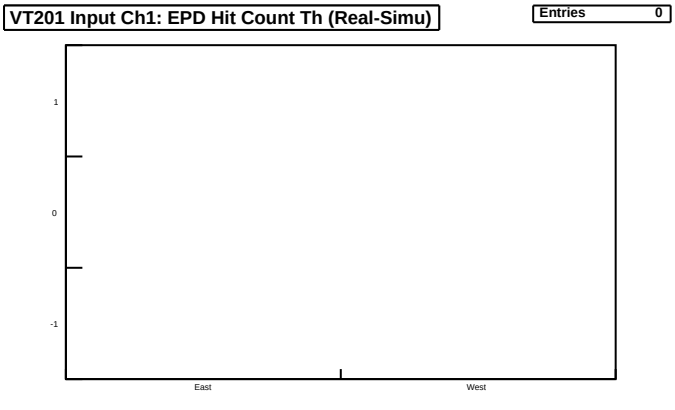

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 286108
90157
130739
52897
12315
East
West

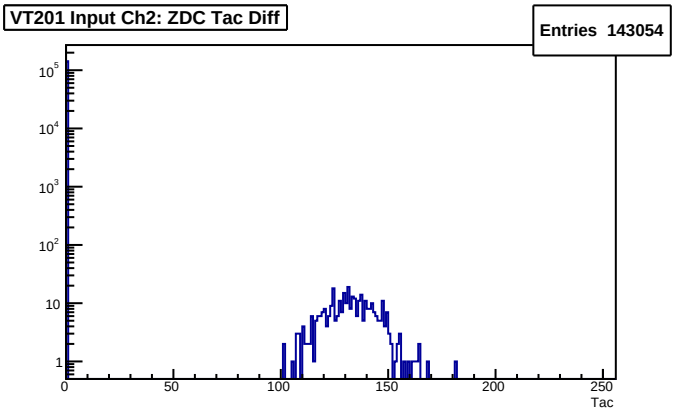

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

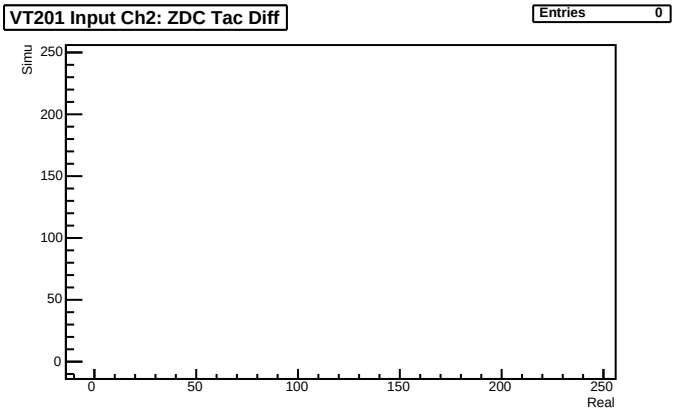

VT201 Input Ch1: EPD Tac Diff
Entries 143054
Tac

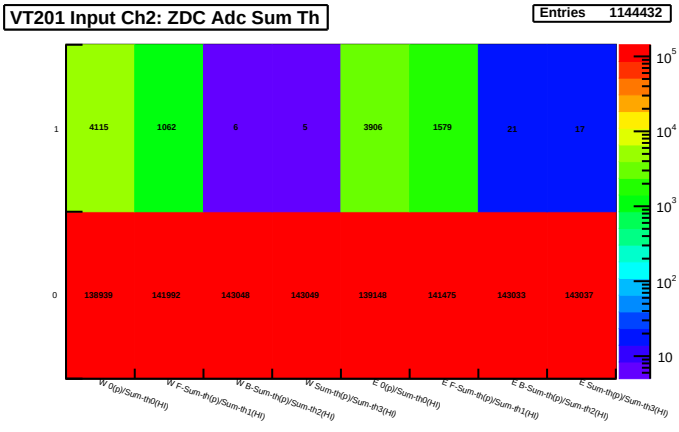

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

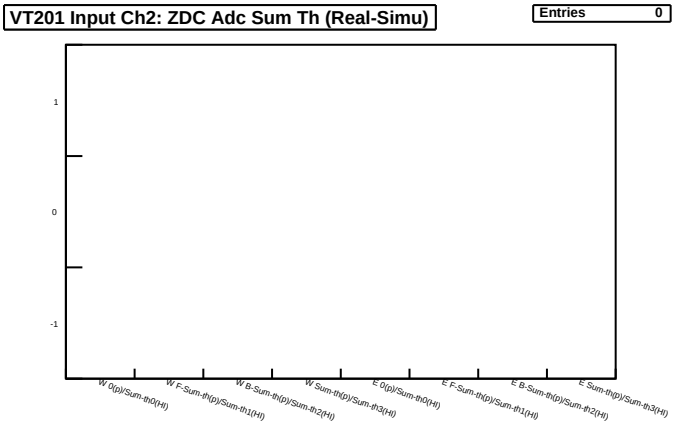

VT201 Input Ch1: EPD Hit Count Th
Entries 286108
139120
139914
3934
4140
East
West

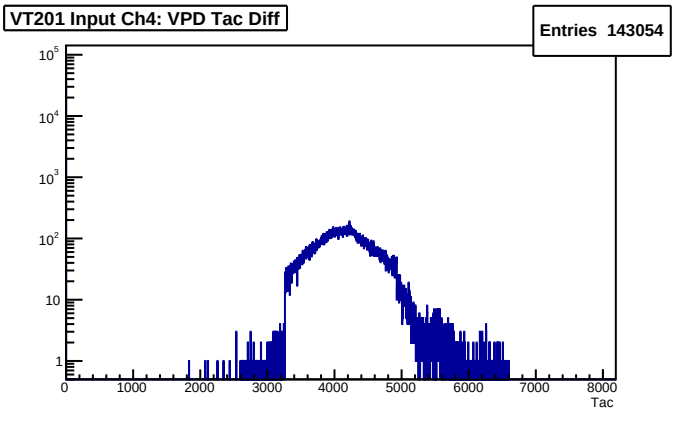

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

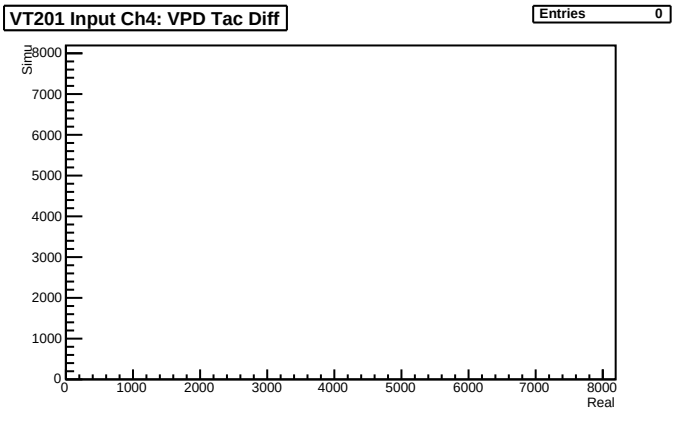

VT201 Input Ch2: ZDC Tac Diff
Entries 143054
Tac

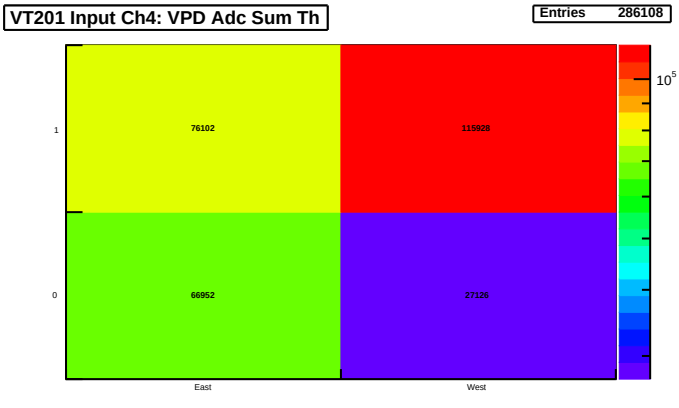

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

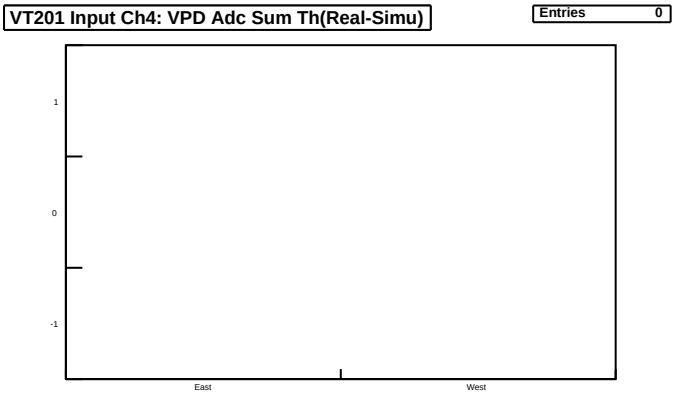

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1144432
4115
1062
6
5
3906
1579
21
17
138939
141992
143048
143049
139148
141475
143033
143037
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

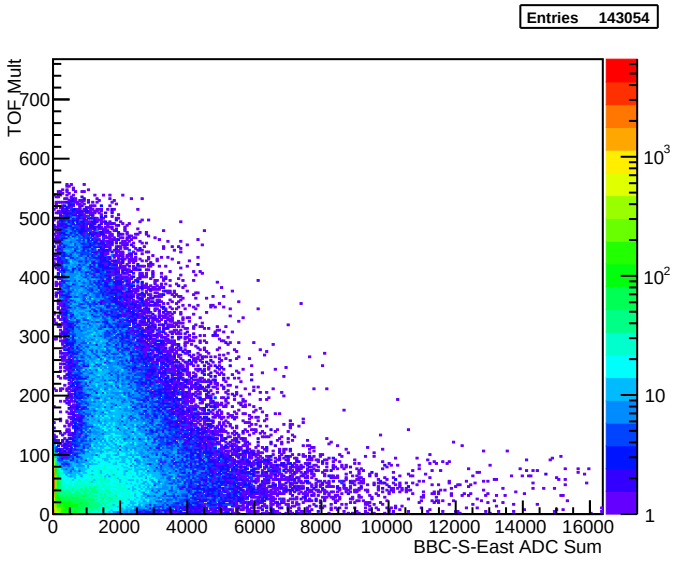

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

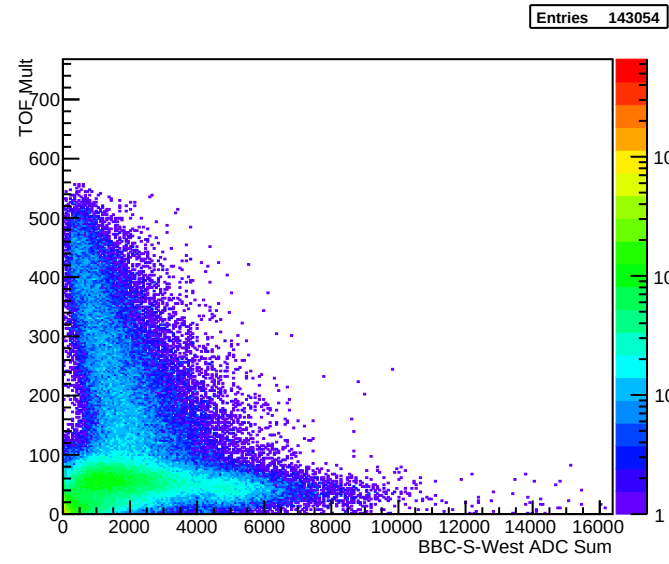

VT201 Input Ch4: VPD Tac Diff
Entries 143054
Tac

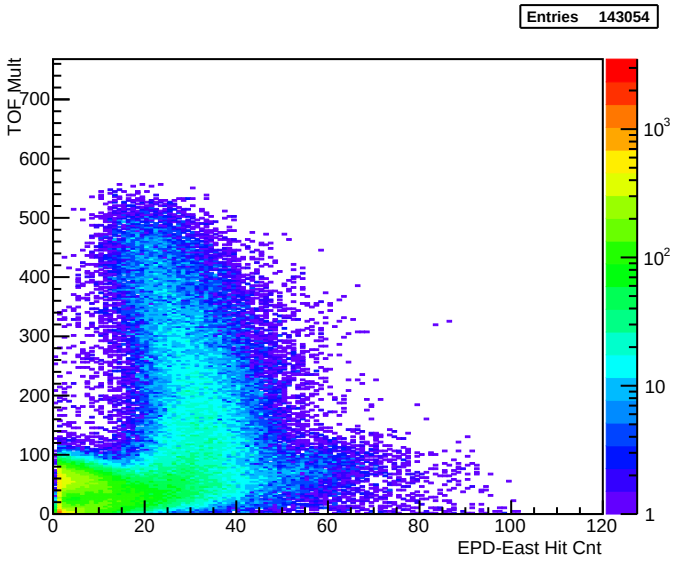

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

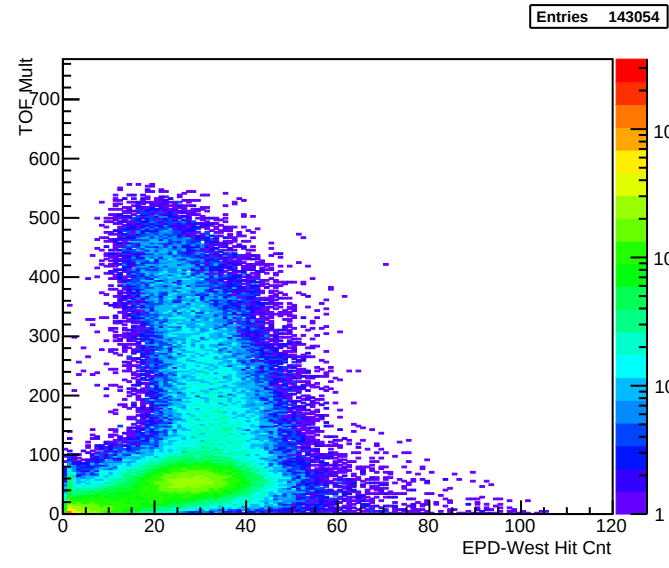

VT201 Input Ch4: VPD Adc Sum Th
Entries 286108
76102
115928
66952
27126
East
West

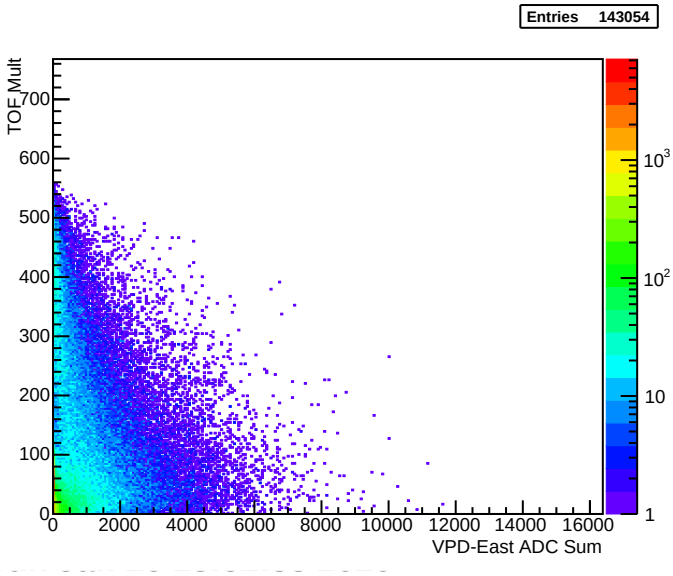

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

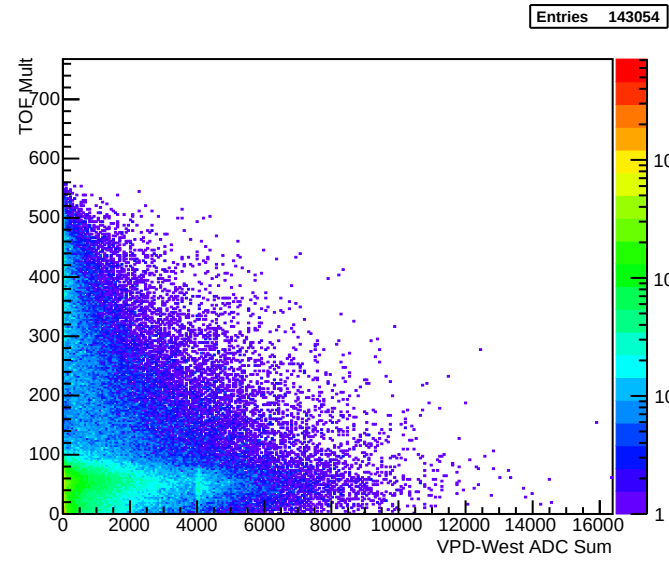

Entries 143054
TOF_Mult
BBC-S-East ADC Sum

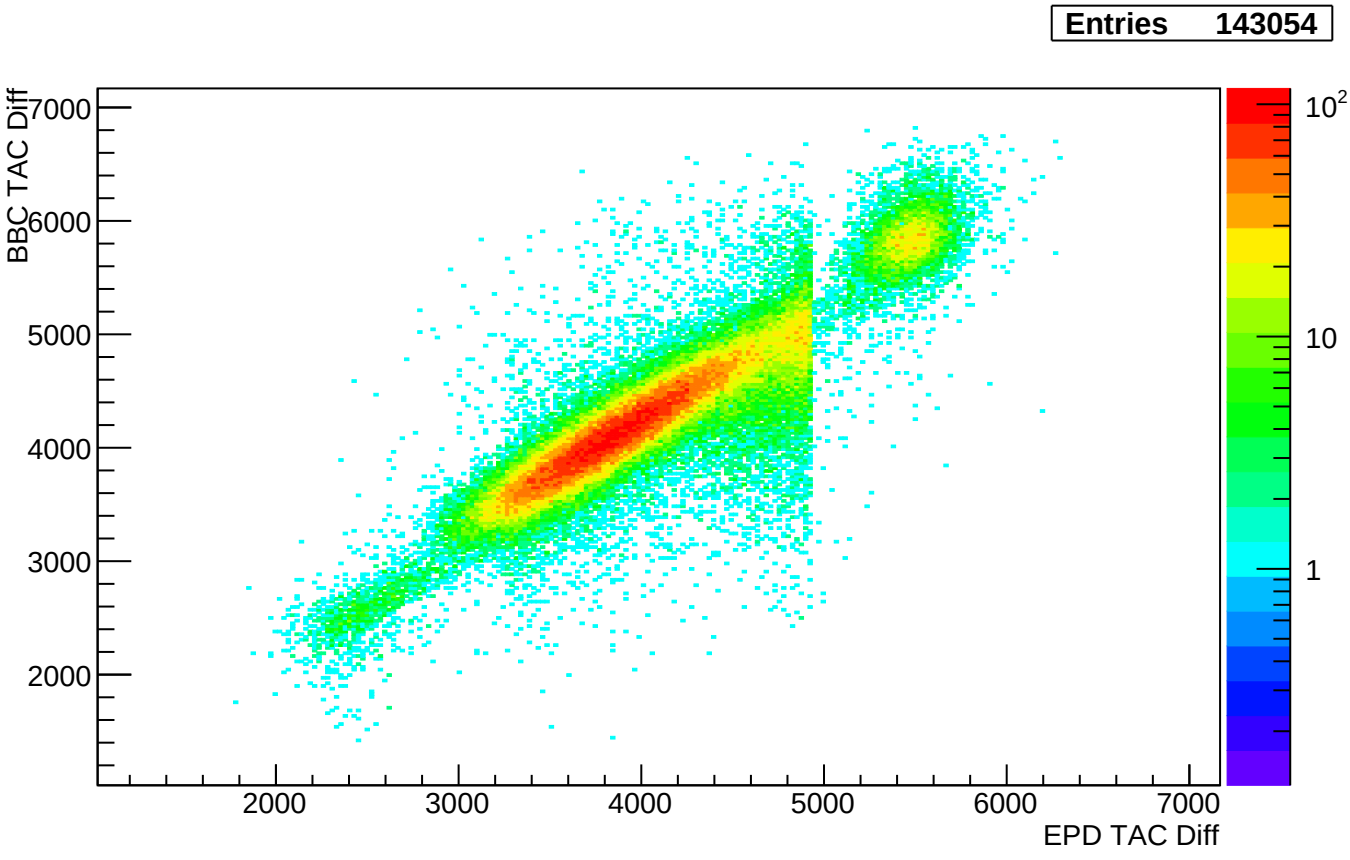

Entries 143054
TOF_Mult
BBC-S-West ADC Sum

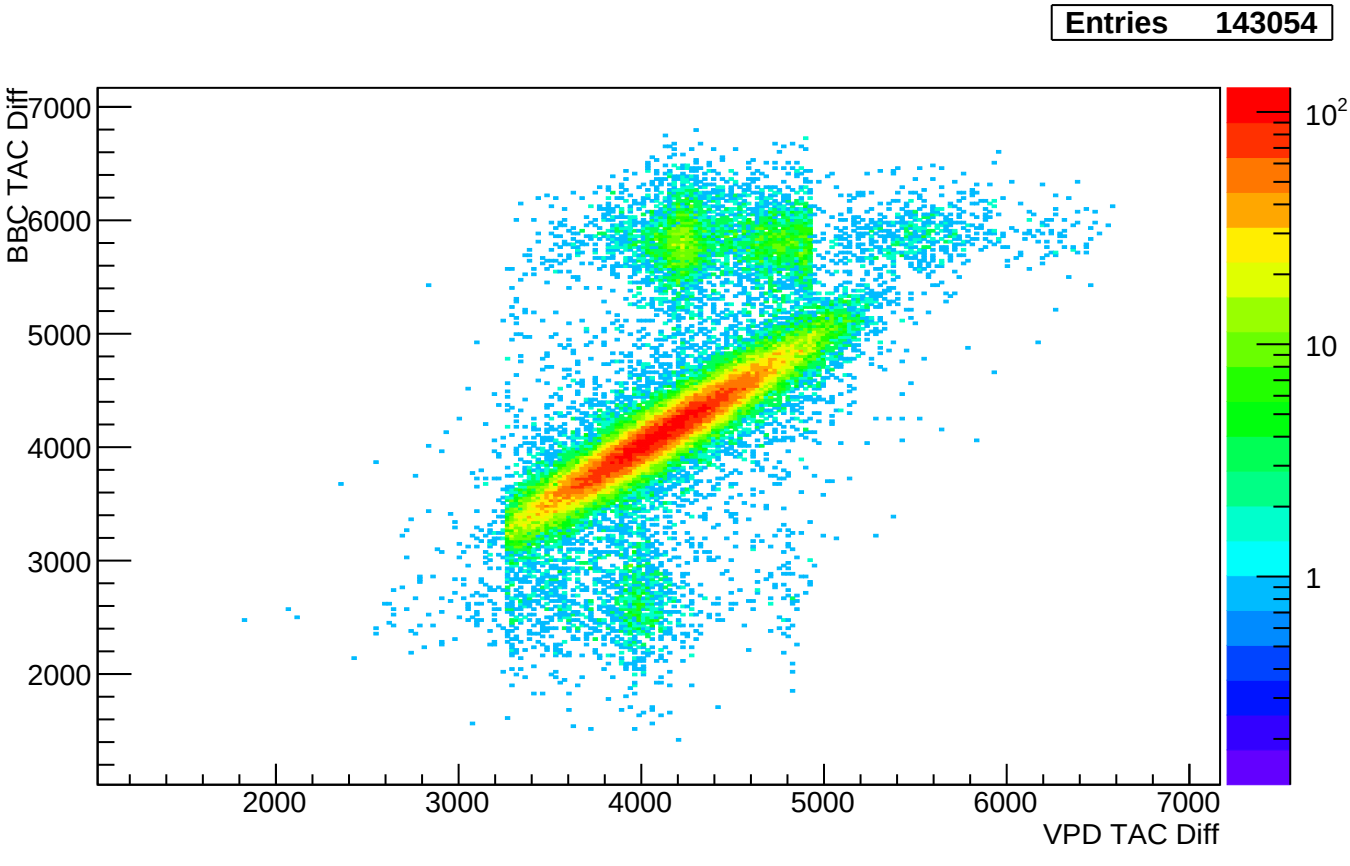

Entries 143054
TOF_Mult
EPD-East Hit Cnt

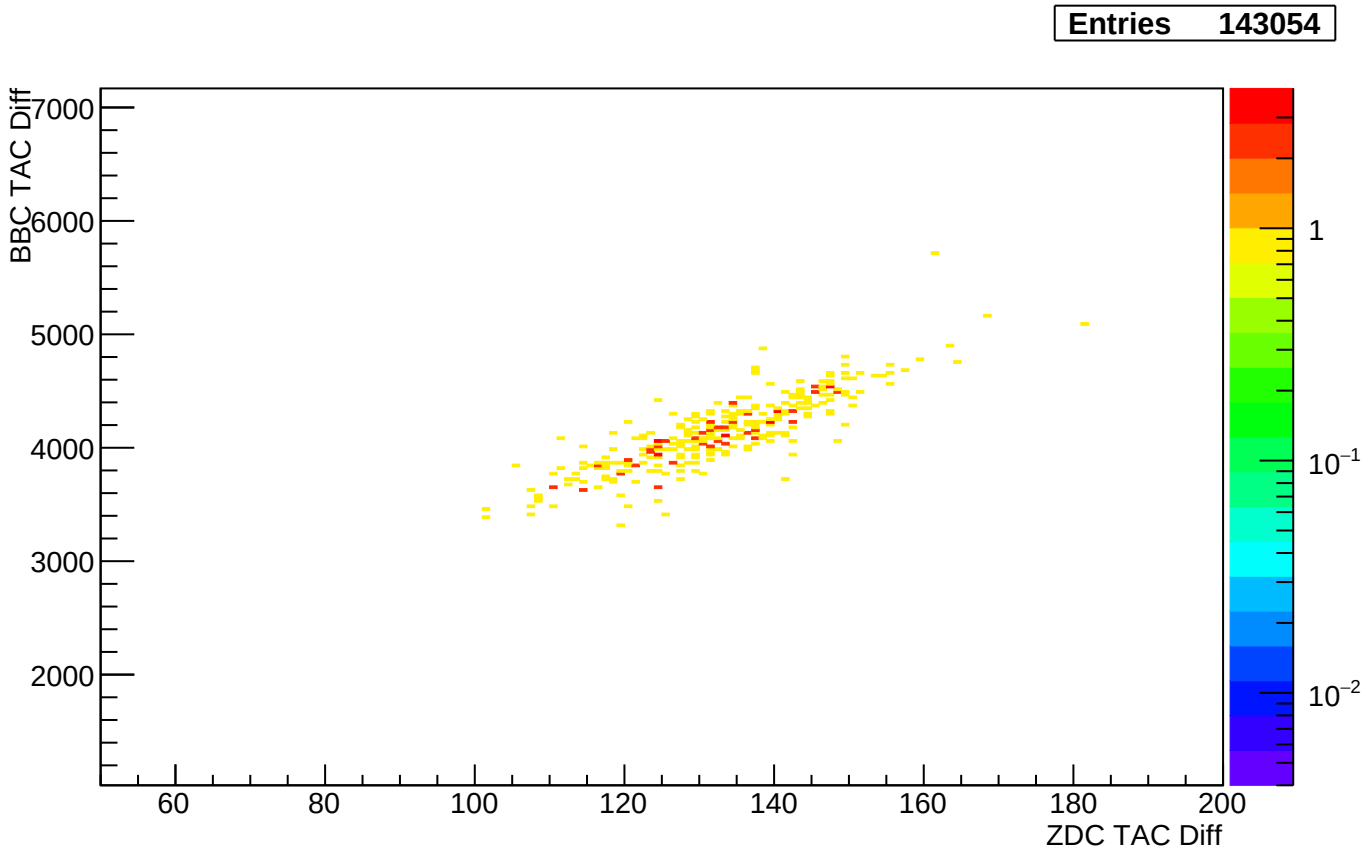

Entries 143054
TOF_Mult
EPD-West Hit Cnt

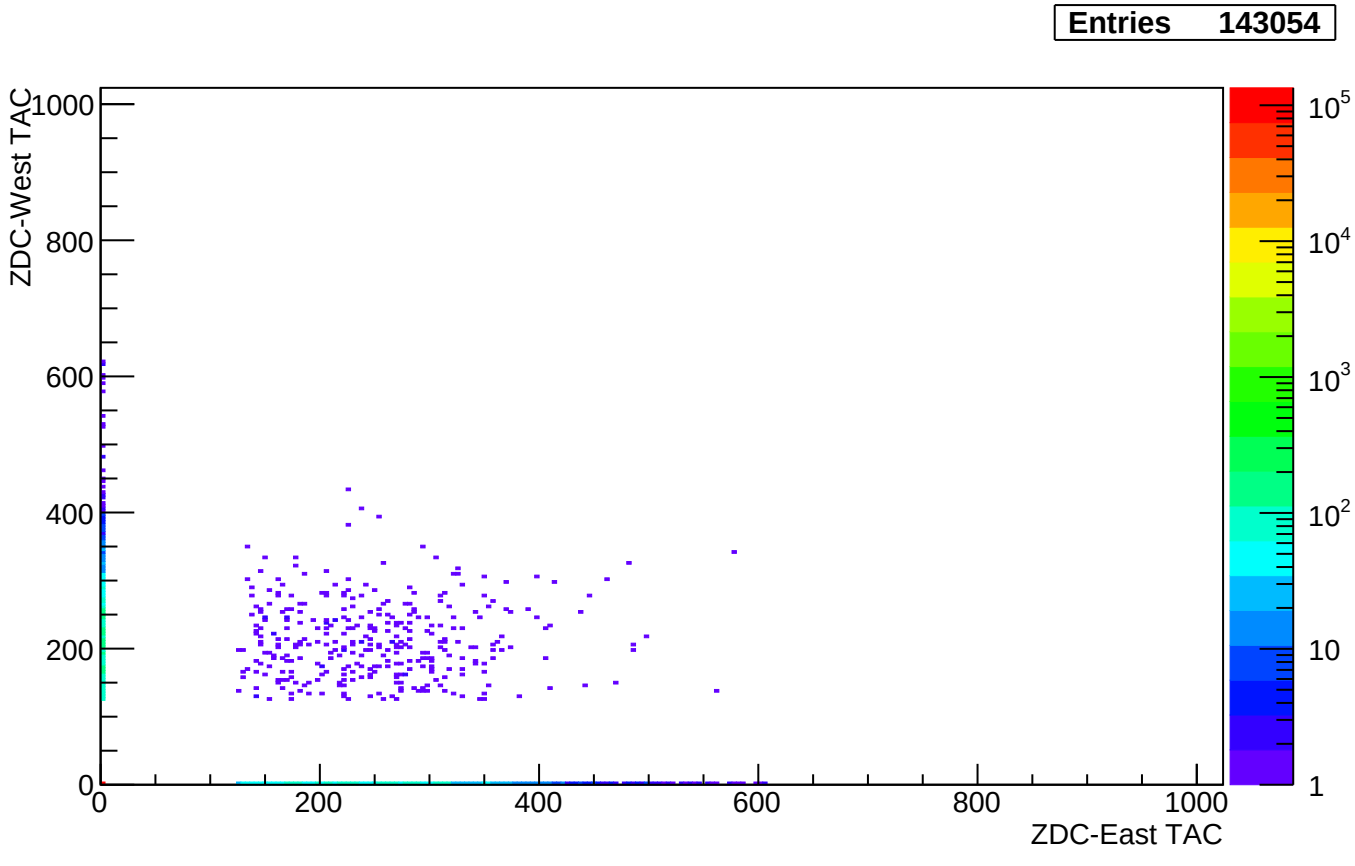

Entries 143054
TOF_Mult
VPD-East ADC Sum

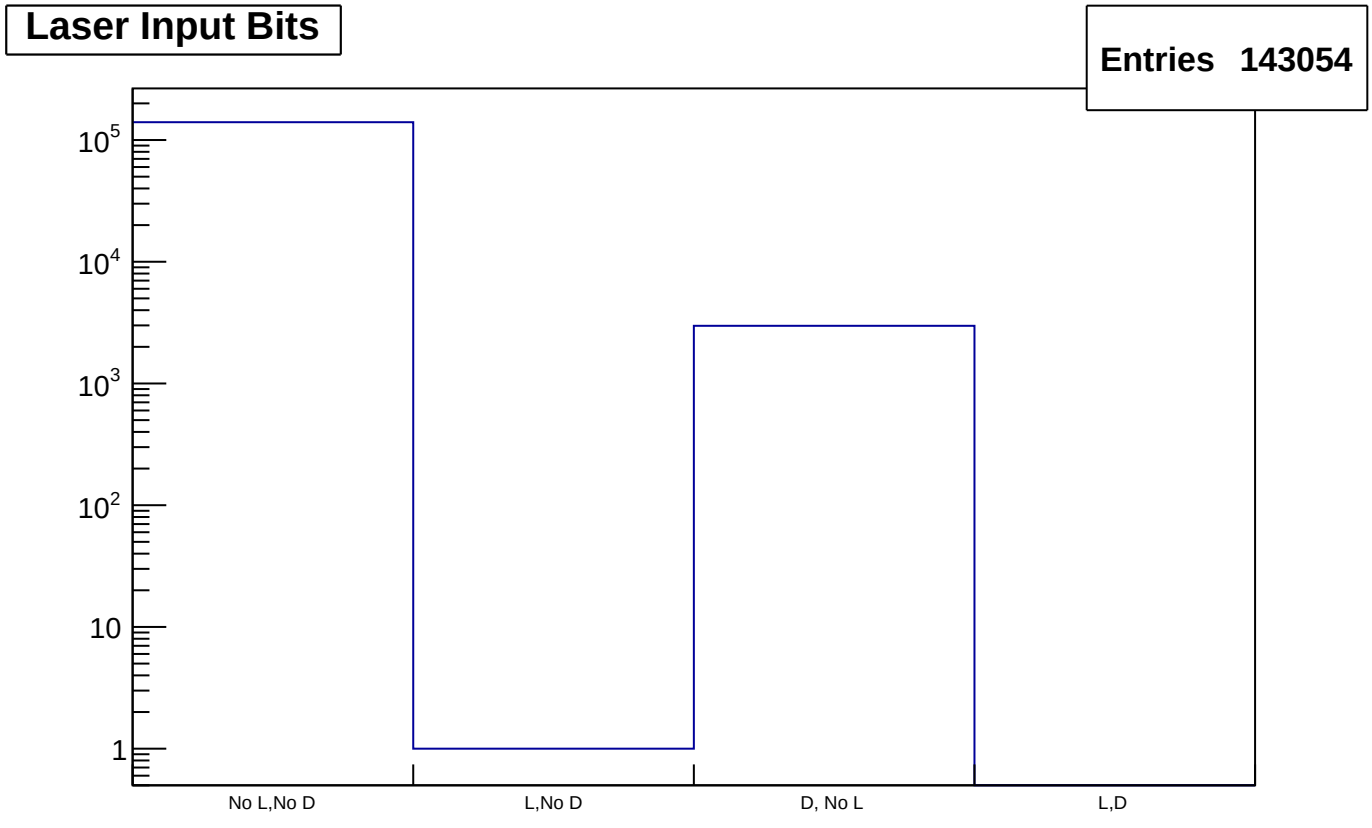

Entries 143054
TOF_Mult
VPD-West ADC Sum

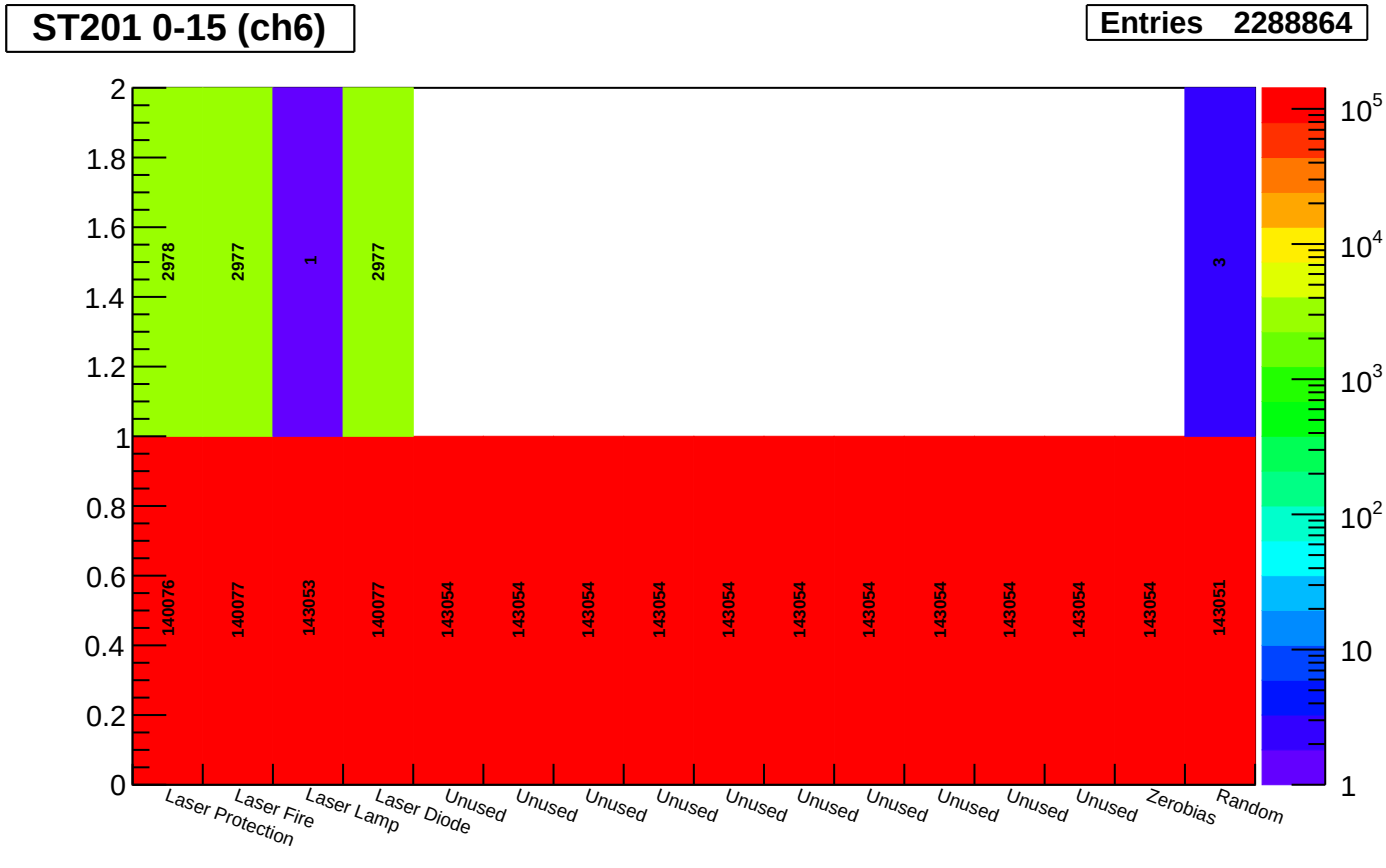

Entries 143054
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

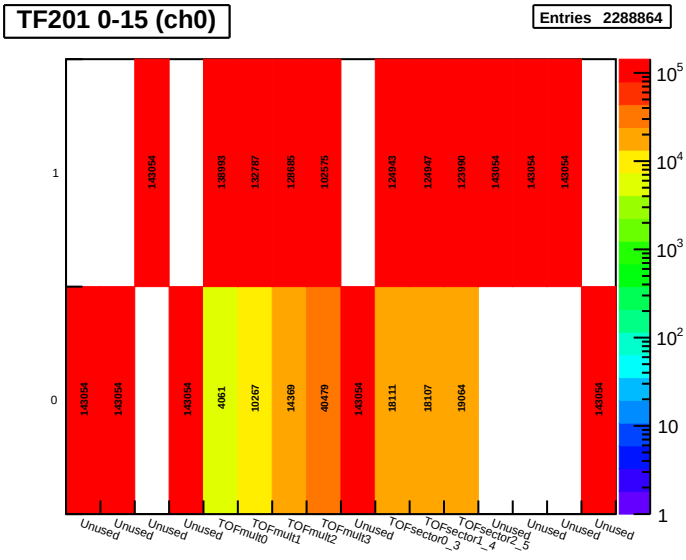

Entries 143054
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

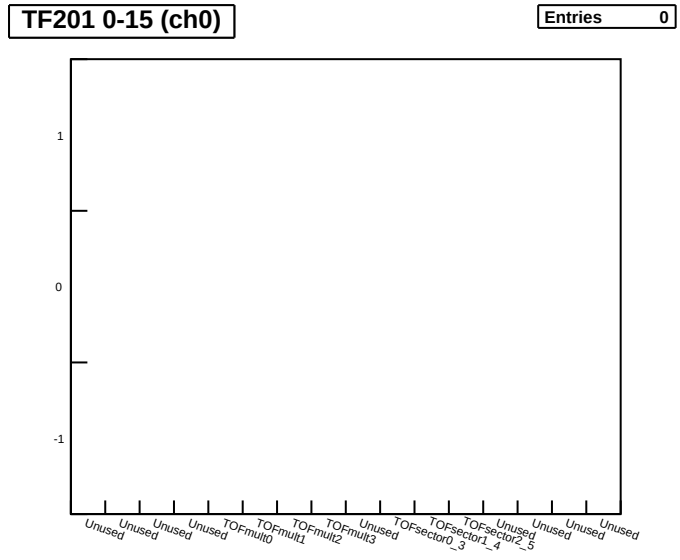

Entries 143054
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

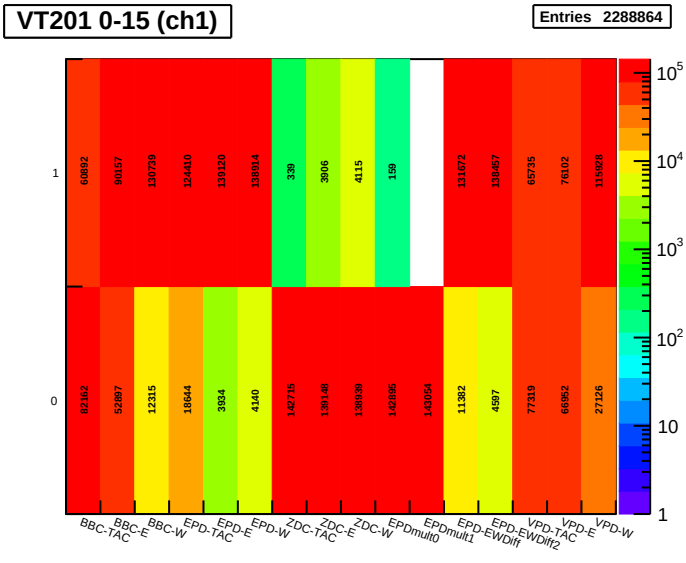

Entries 143054
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

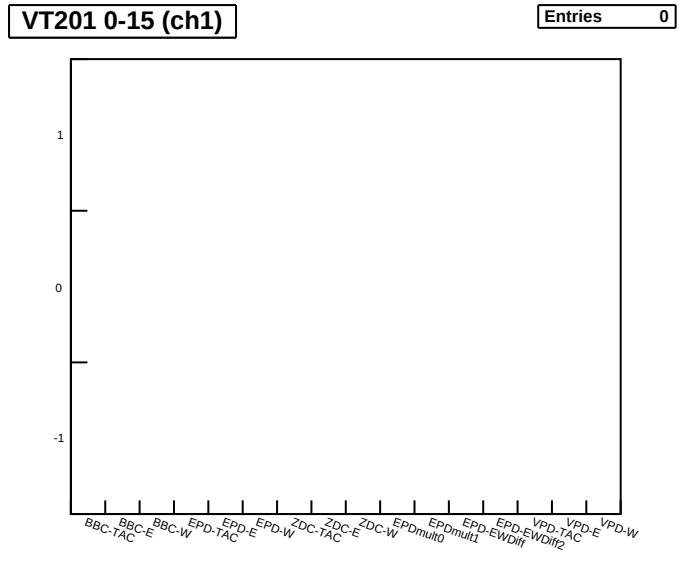

Laser Input Bits
Entries 143054
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

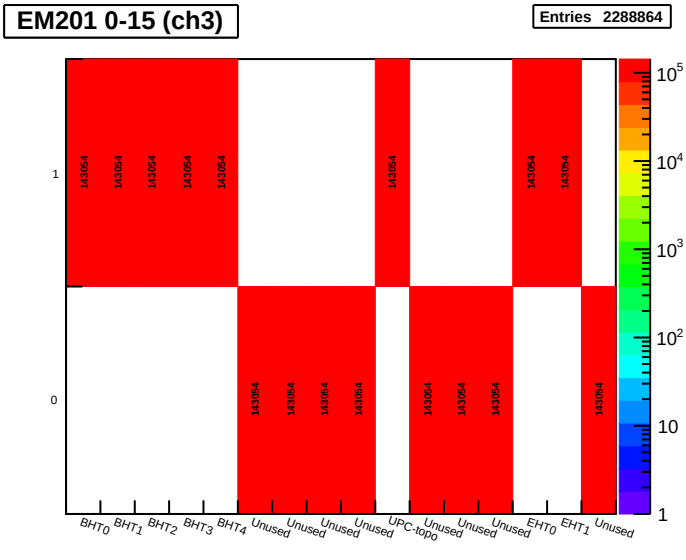

ST201 0-15 (ch6)
Entries 2288864
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2978
2977
1
2977
3
140076
140077
143053
140077
143054
143054
143054
143054
143054
143054
143054
143054
143054
143054
143054
143051
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

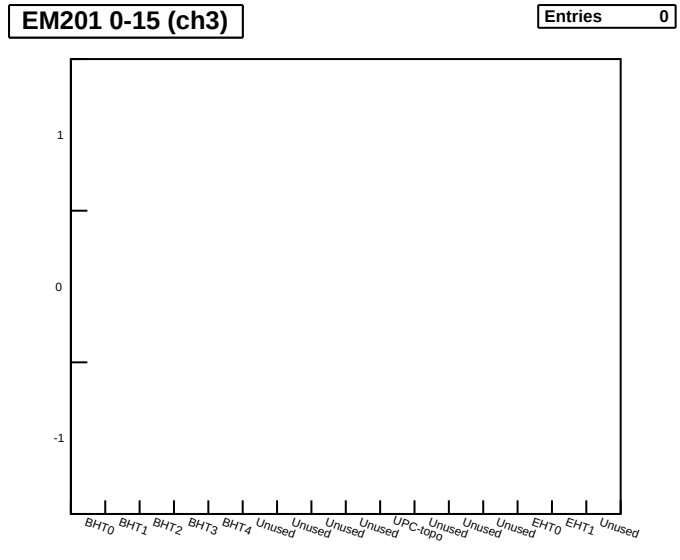

TF201 0-15 (ch0)
Entries 2288864
143054 143054 143054 143054 143054 143054 143054 143054 143054 143054 143054 143054 143054 143054 143054 143054
138993 132787 128685 102575 124943 124947 123990 143054 143054 143054
4061 10267 14369 40479 18111 18107 19064
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 0
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 2288864
60892 90157 130739 124410 139120 138914 339 3906 4115 159 131672 138457 65735 76102 115928
82162 52897 12315 18644 3934 4140 142715 139148 138939 142895 143054 11382 4597 77319 66952 27126
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
1 0
10^5 10^4 10^3 10^2 10 1


VT201 0-15 (ch1)
Entries 0
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
1 0 -1


EM201 0-15 (ch3)
Entries 2288864
143054 143054 143054 143054 143054 143054 143054 143054 143054
143054 143054 143054 143054 143054 143054 143054 143054
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 0
10^5 10^4 10^3 10^2 10 1


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