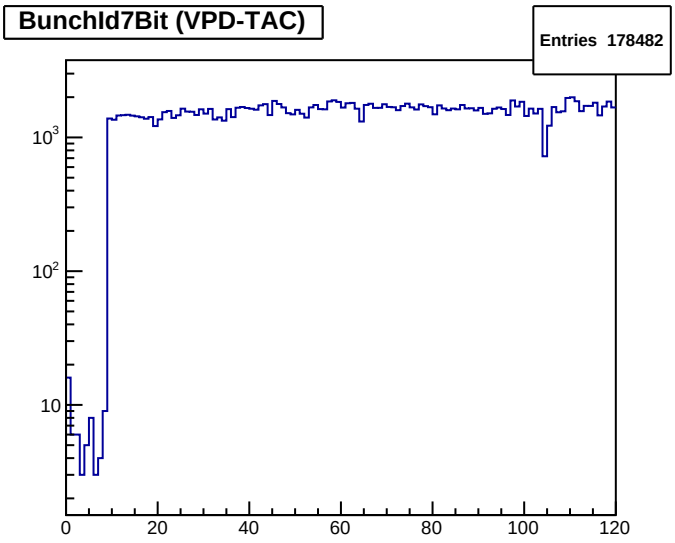
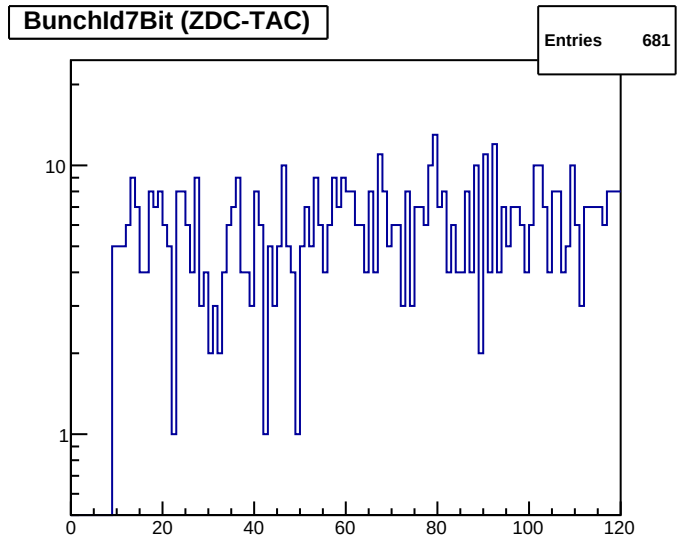
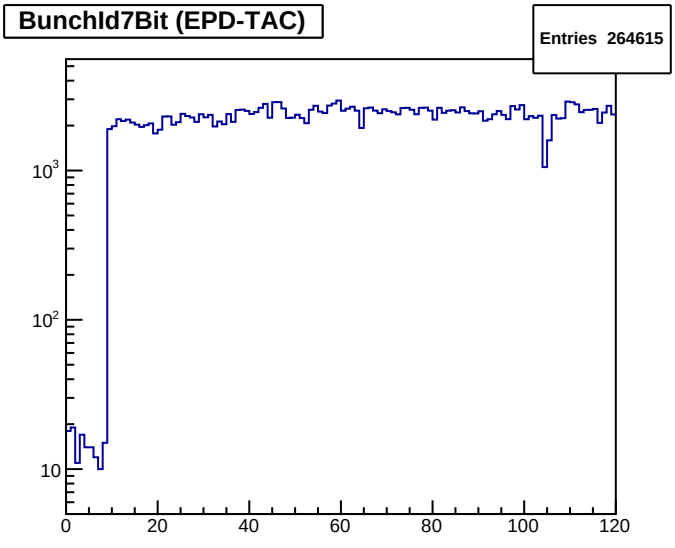
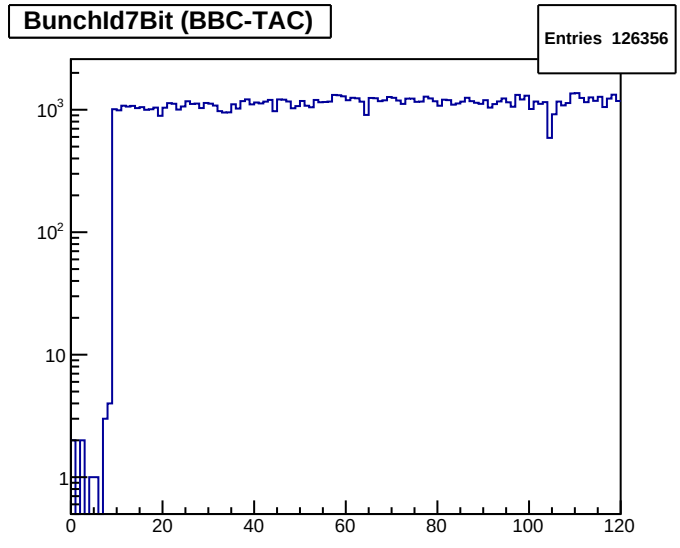
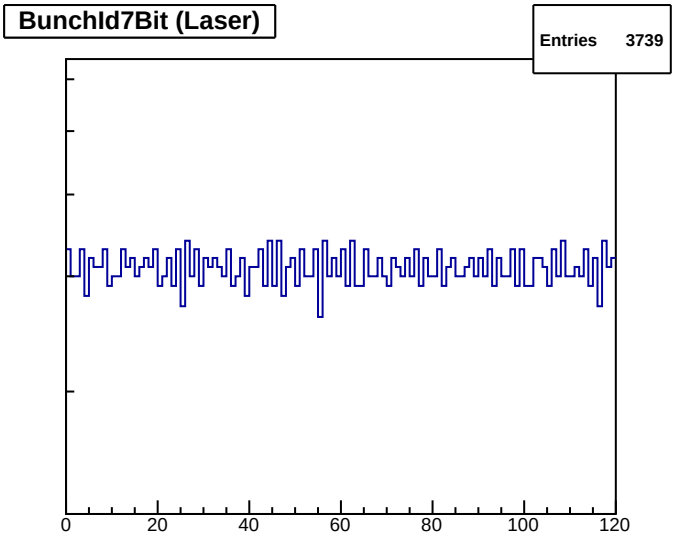
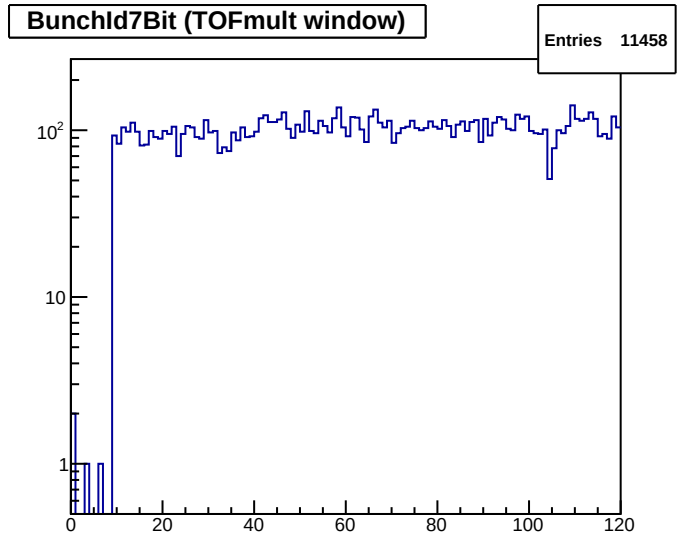

BunchId7Bit (VPD-TAC)
Entries 178482
10^3
10^2
10
0
20
40
60
80
100
120

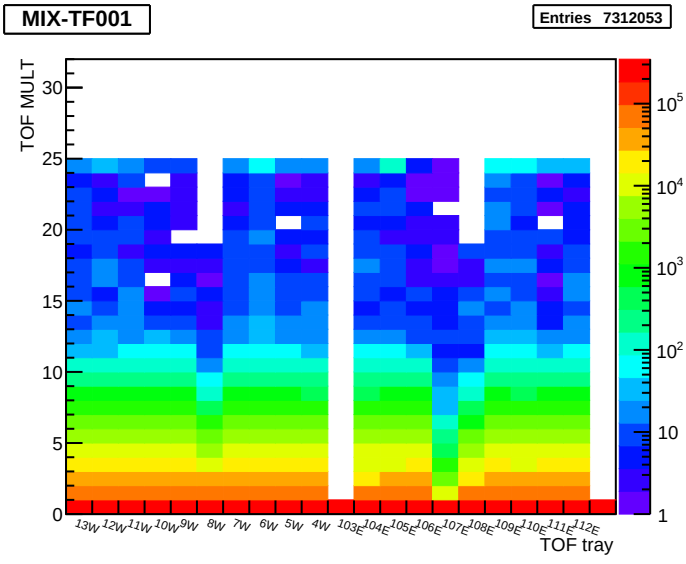

BunchId7Bit (ZDC-TAC)
Entries 681
10
1
0
20
40
60
80
100
120

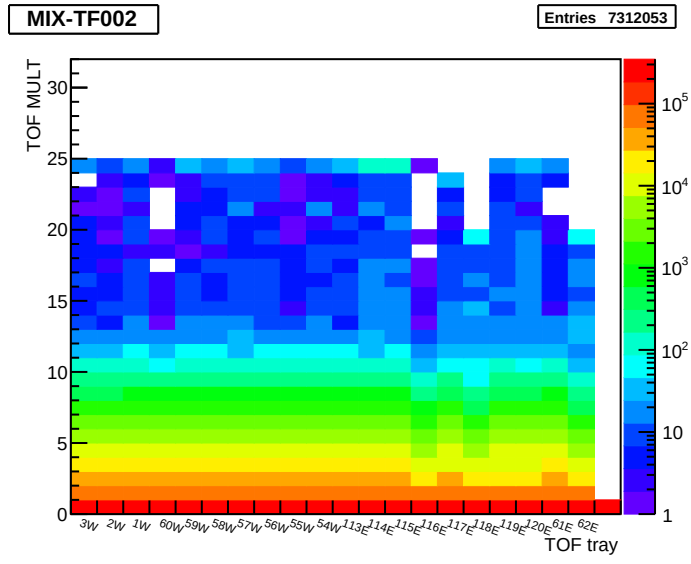

BunchId7Bit (EPD-TAC)
Entries 264615
10^3
10^2
10
0
20
40
60
80
100
120

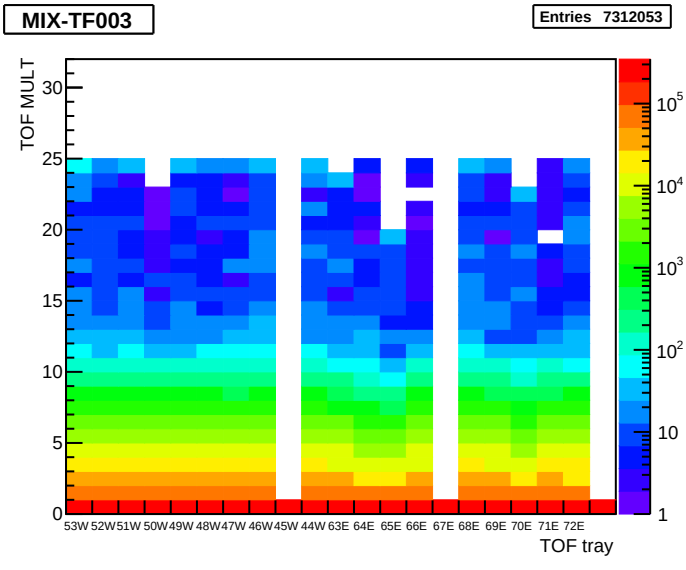

BunchId7Bit (BBC-TAC)
Entries 126356
10^3
10^2
10
1
0
20
40
60
80
100
120

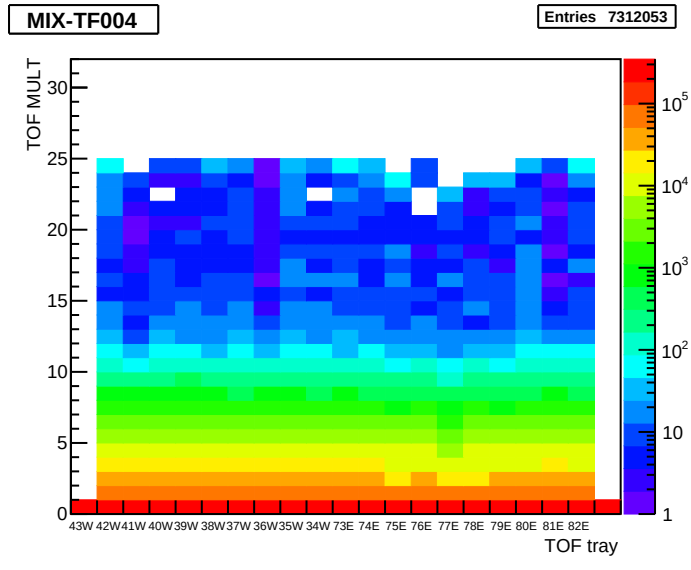

BunchId7Bit (Laser)
Entries 3739
0
20
40
60
80
100
120

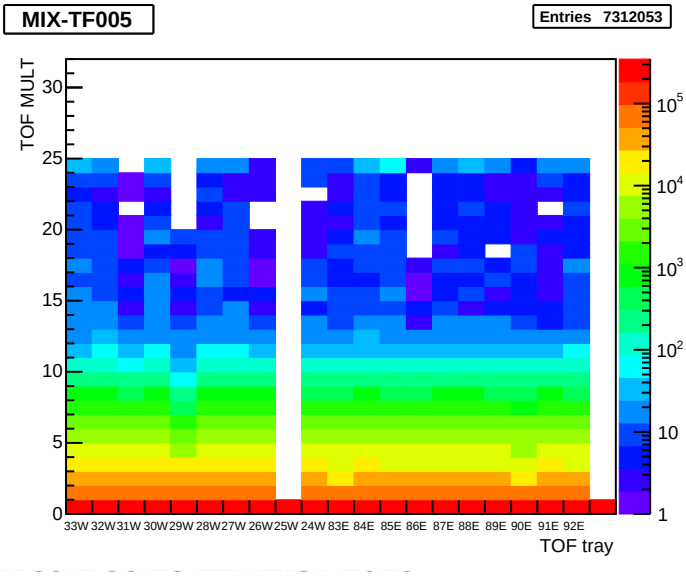

BunchId7Bit (TOFmult window)
Entries 11458
10^2
10
1
0
20
40
60
80
100
120

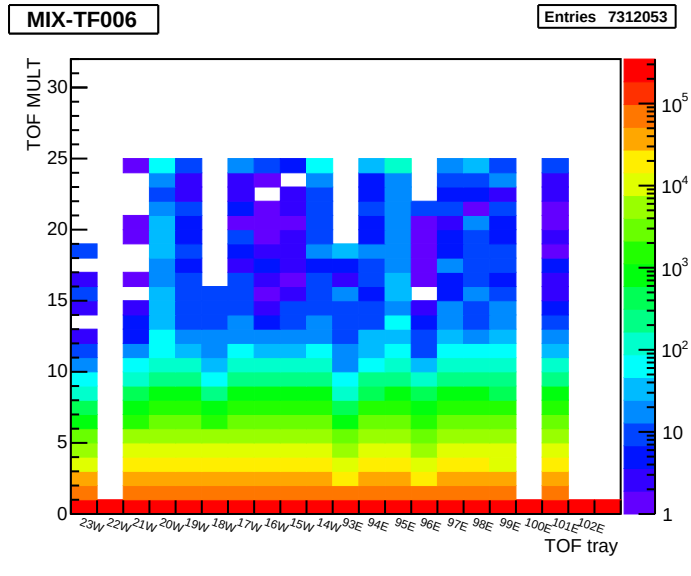

MIX-TF001
Entries 7312053
TOF MULT
TOF tray

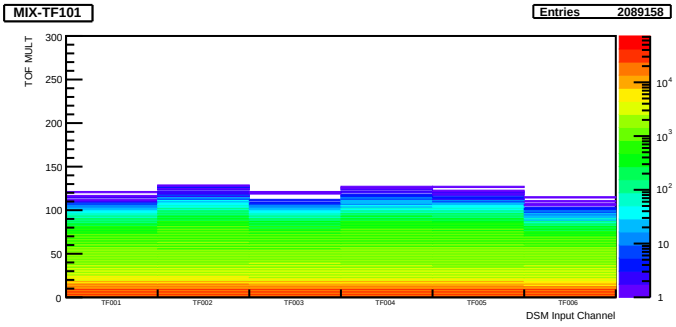

MIX-TF002
Entries 7312053
TOF MULT
TOF tray

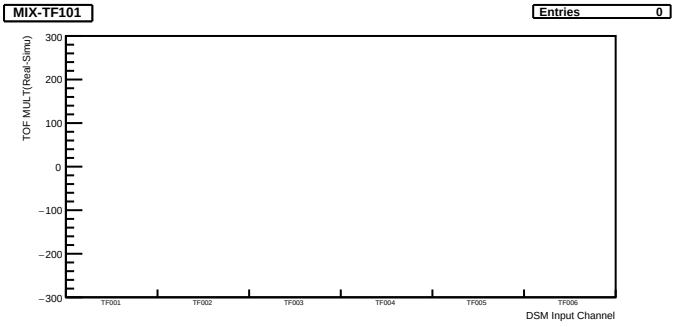

MIX-TF003
Entries 7312053
TOF MULT
TOF tray

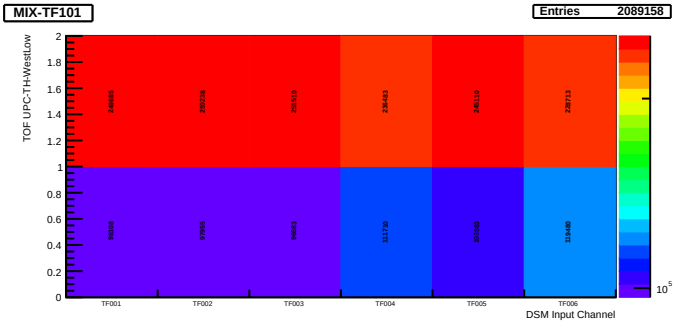

MIX-TF004
Entries 7312053
TOF MULT
TOF tray

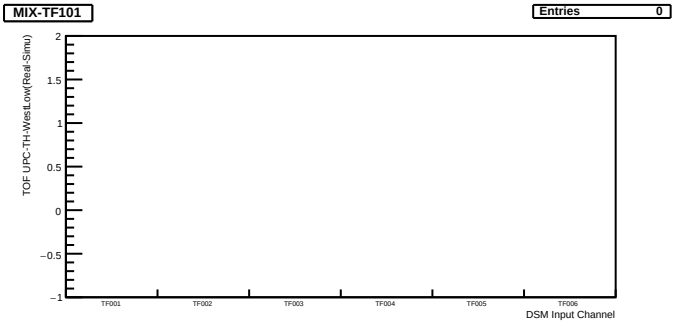

MIX-TF005
Entries 7312053
TOF MULT
TOF tray

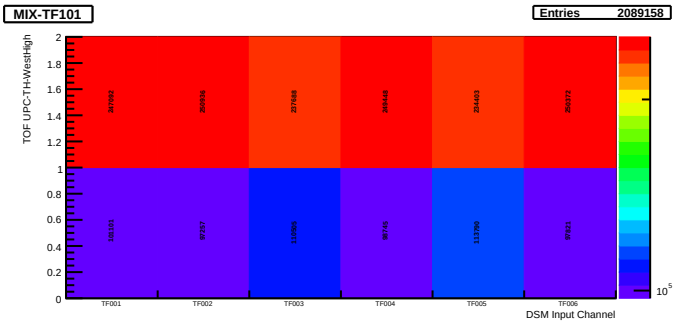

MIX-TF006
Entries 7312053
TOF MULT
TOF tray

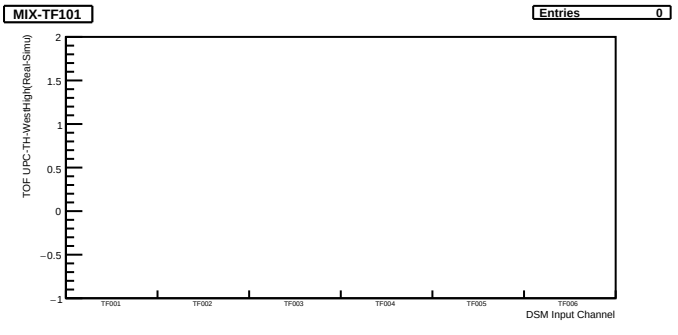

MIX-TF101
Entries 2089158
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

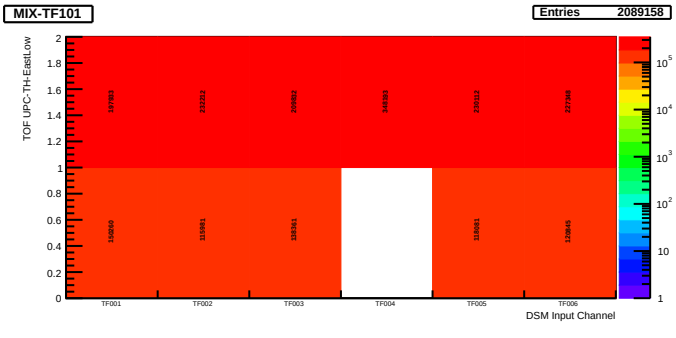

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

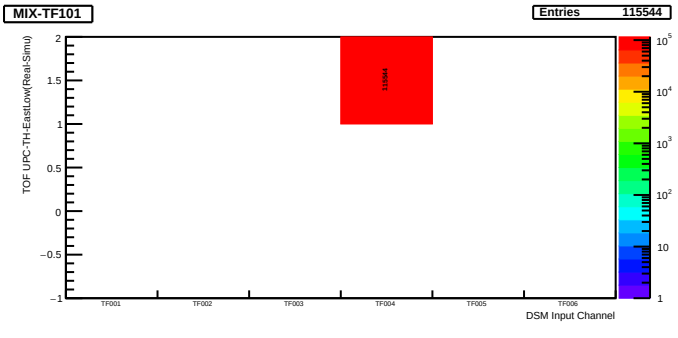

MIX-TF101
Entries 2089158
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

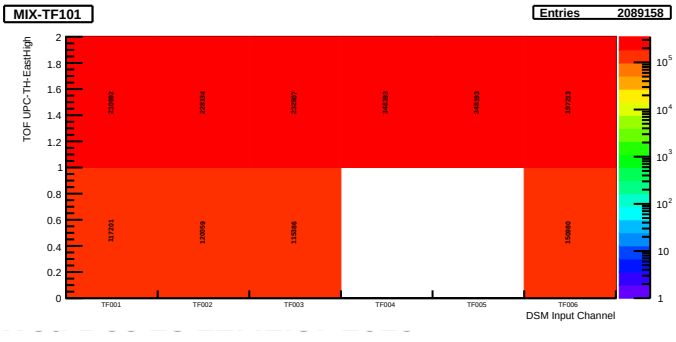

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

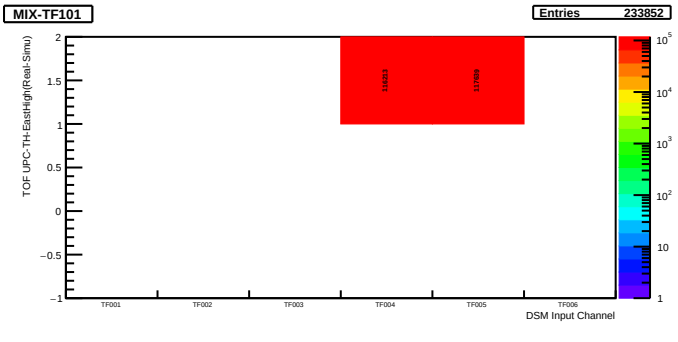

MIX-TF101
Entries 2089158
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

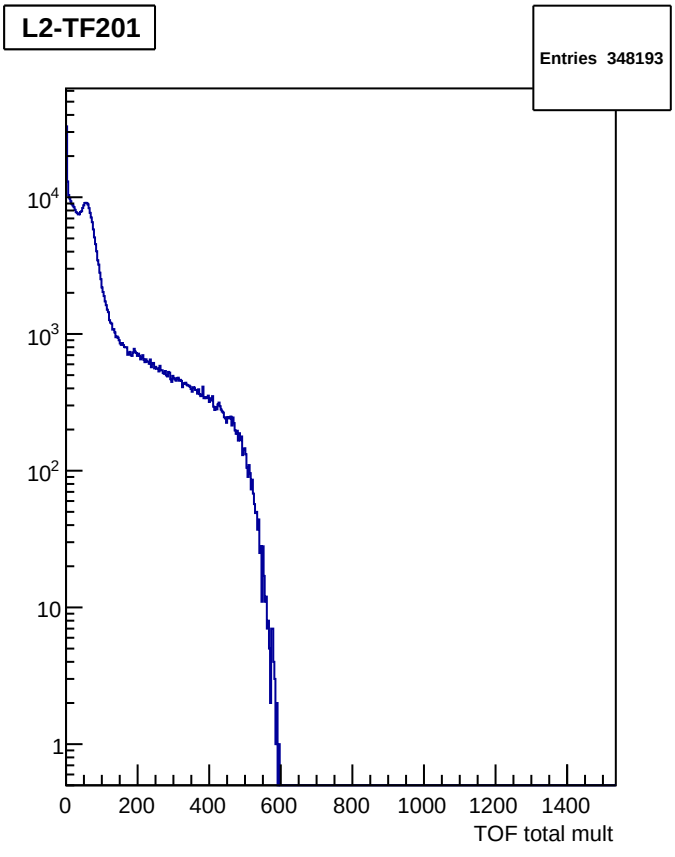

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

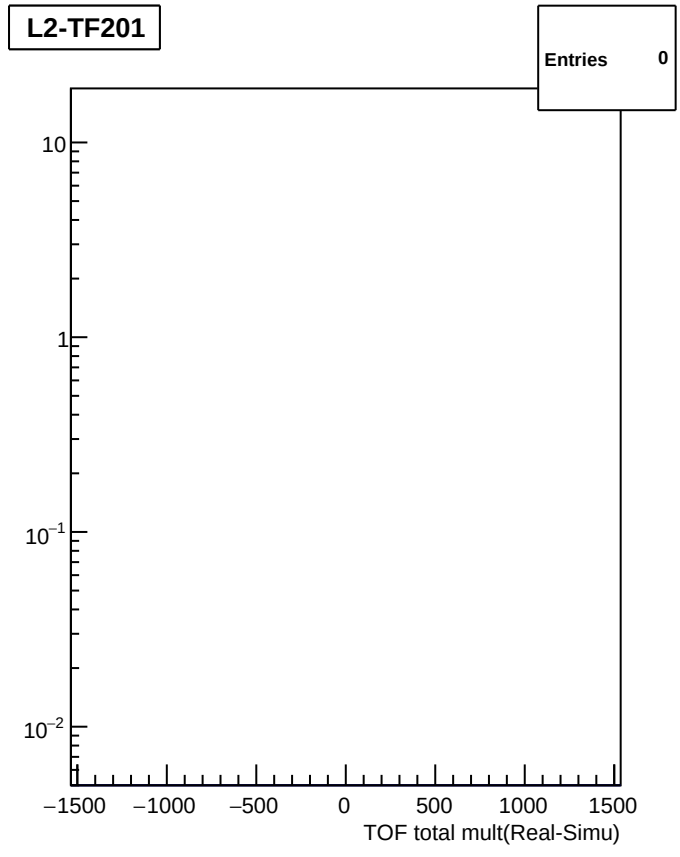

MIX-TF101
Entries 2089158
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

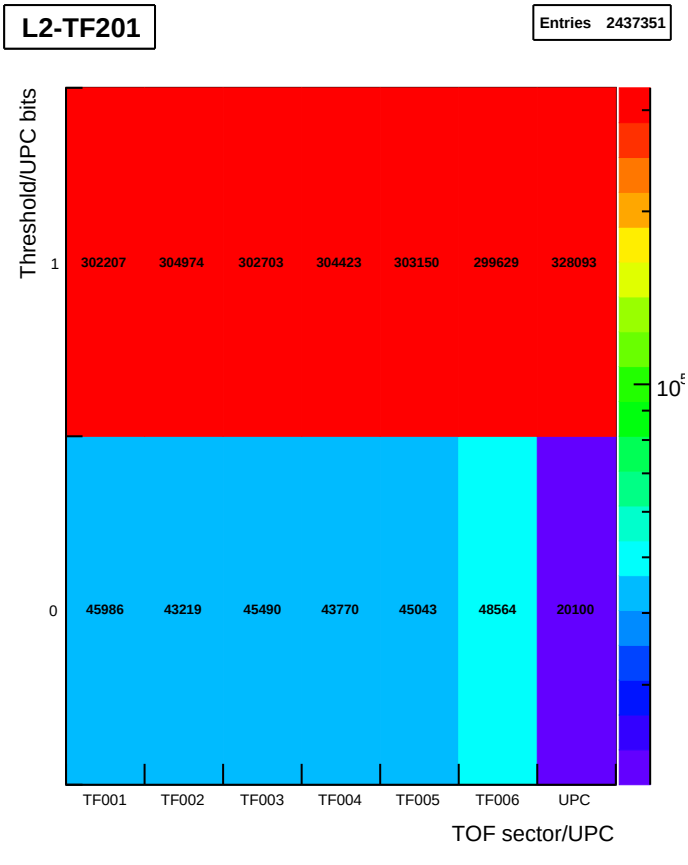

MIX-TF101
Entries 115544
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

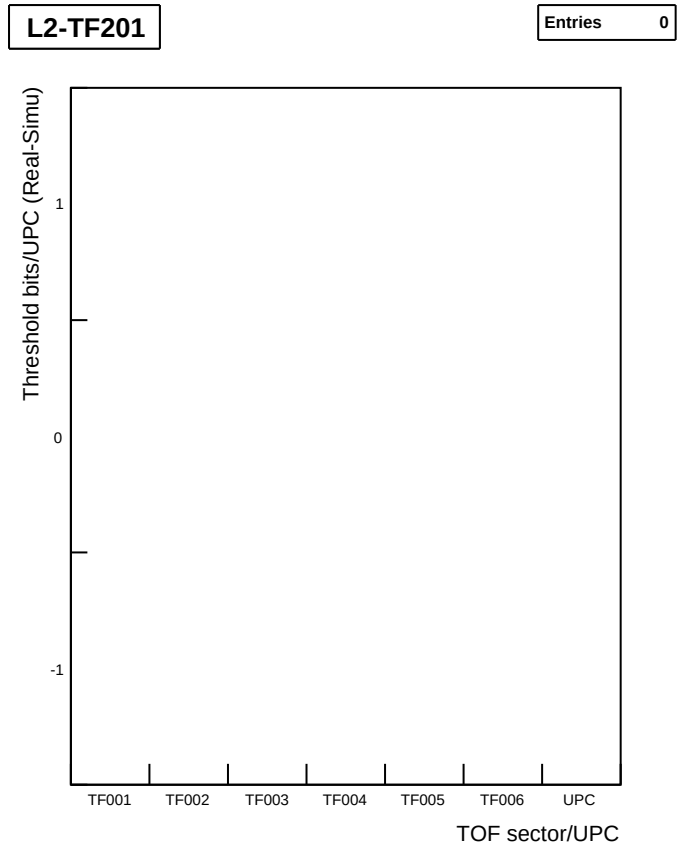

MIX-TF101
Entries 2089158
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

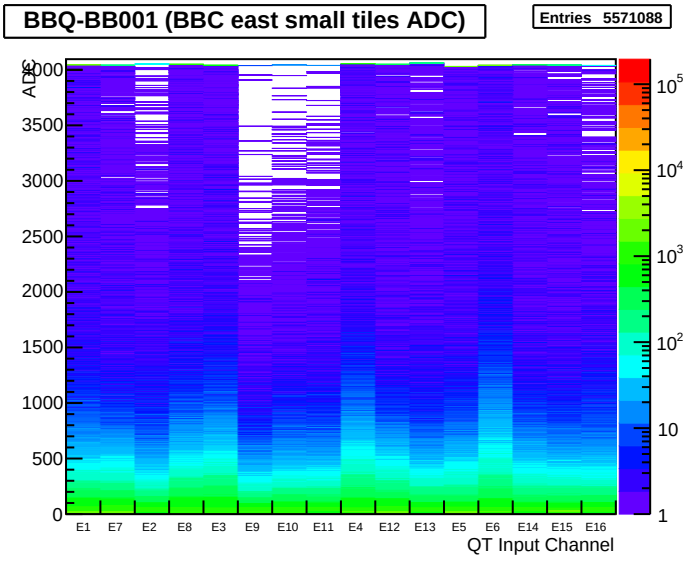

MIX-TF101
Entries 233852
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

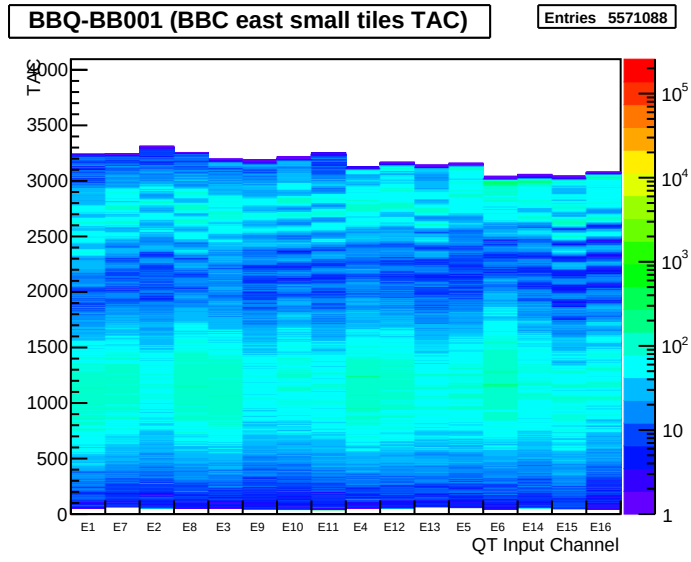

L2-TF201
Entries 348193
TOF total mult

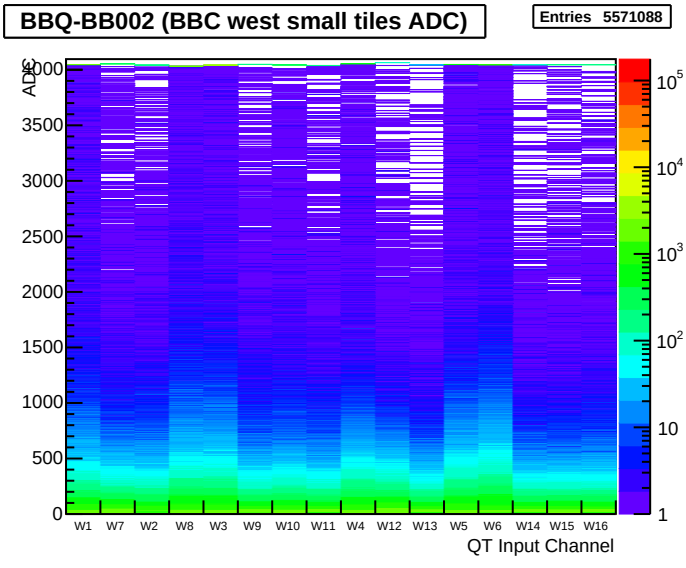

L2-TF201
Entries 0
TOF total mult(Real-Simu)

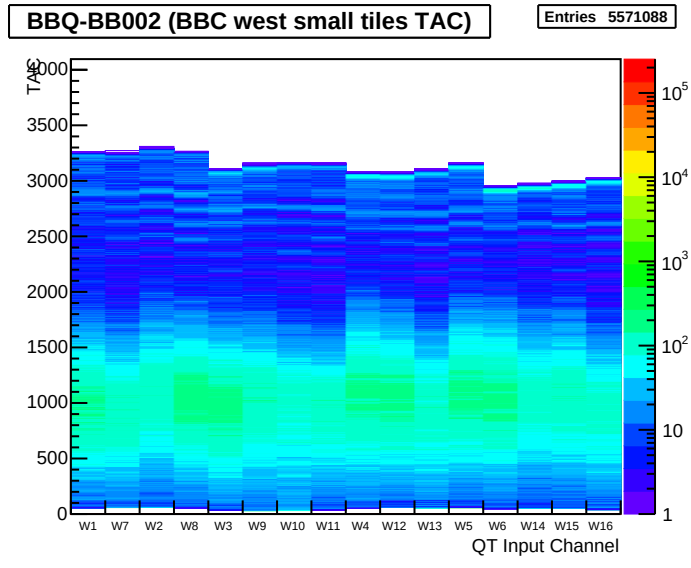

L2-TF201
Entries 2437351
Threshold/UPC bits
302207
304974
302703
304423
303150
299629
328093
45986
43219
45490
43770
45043
48564
20100
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

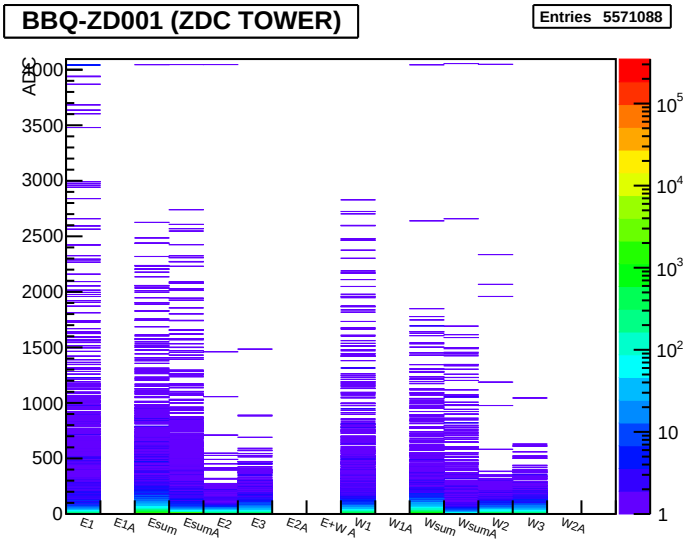

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

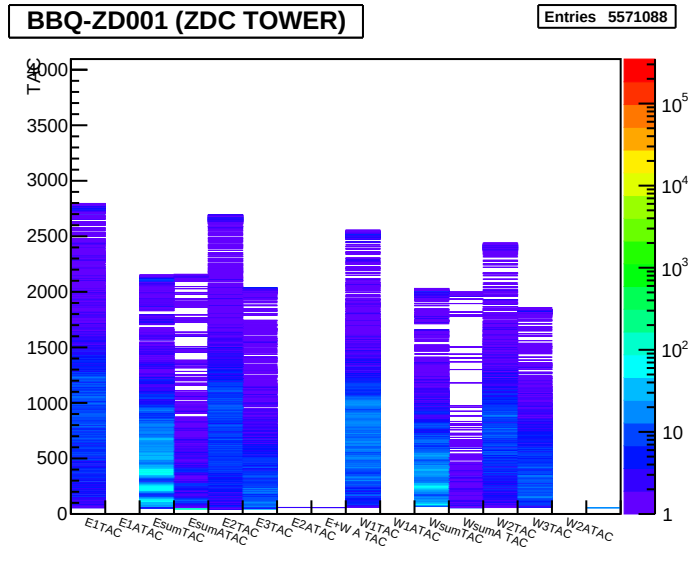

BBQ-BB001 (BBC east small tiles ADC)
Entries 5571088
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

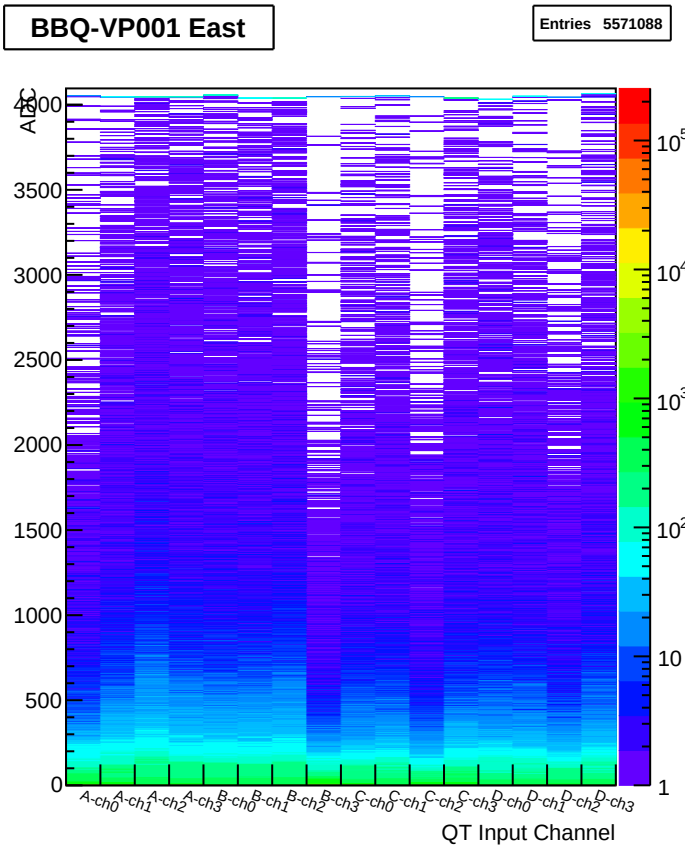

BBQ-BB001 (BBC east small tiles TAC)
Entries 5571088
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

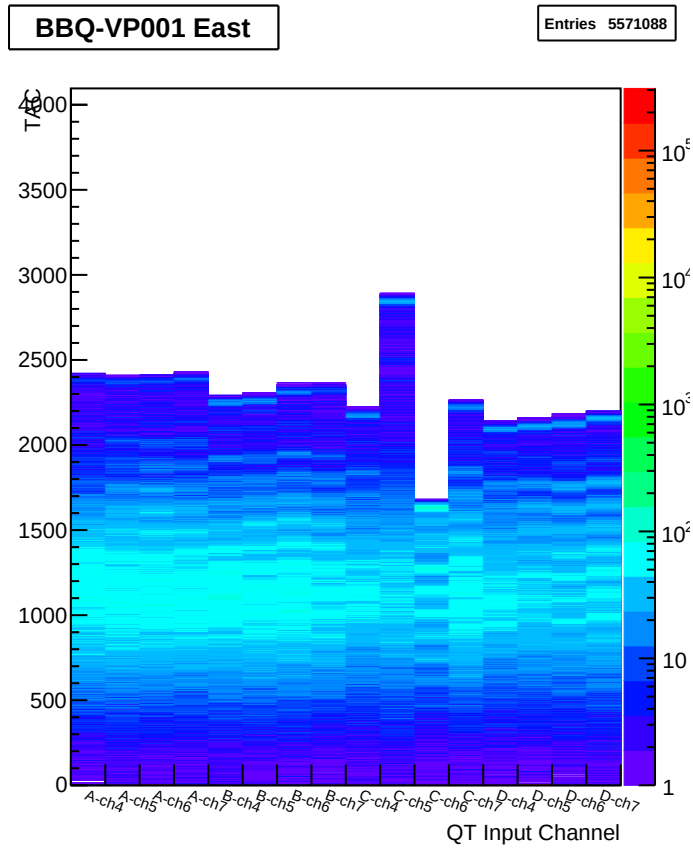

BBQ-BB002 (BBC west small tiles ADC)
Entries 5571088
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

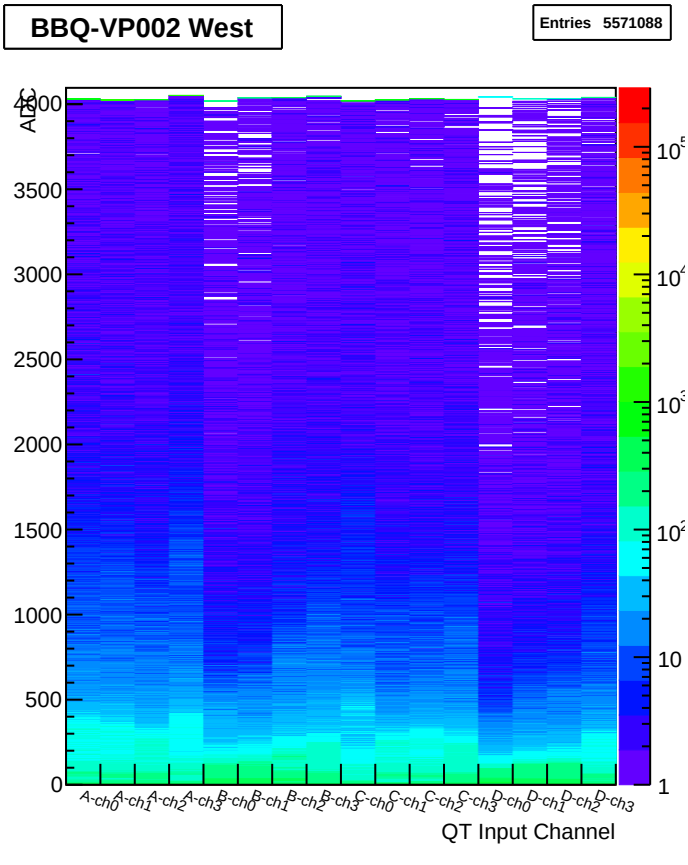

BBQ-BB002 (BBC west small tiles TAC)
Entries 5571088
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

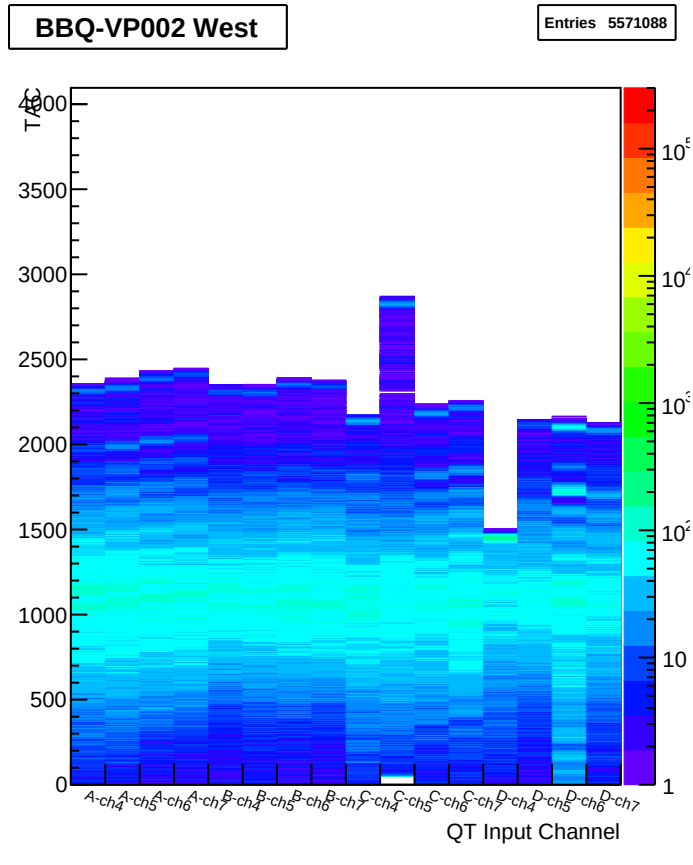

BBQ-ZD001 (ZDC TOWER)
Entries 5571088
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

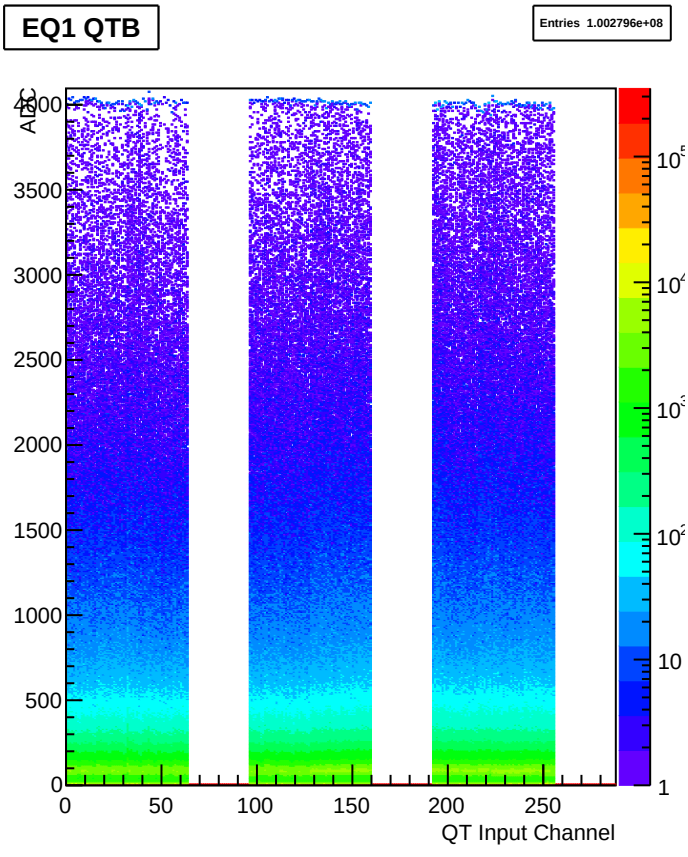

BBQ-ZD001 (ZDC TOWER)
Entries 5571088
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

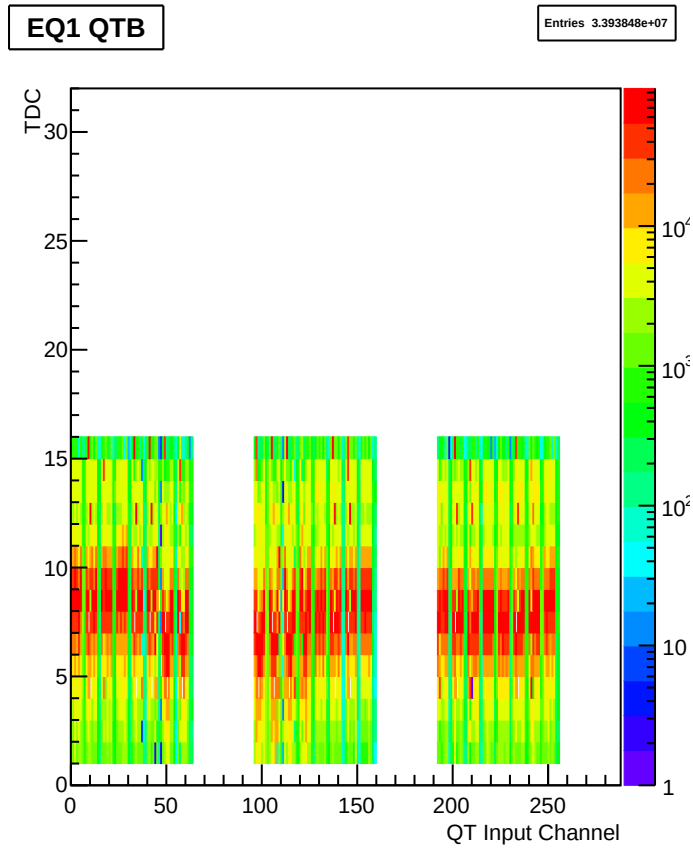

BBQ-VP001 East
Entries 5571088
ADC
QT Input Channel

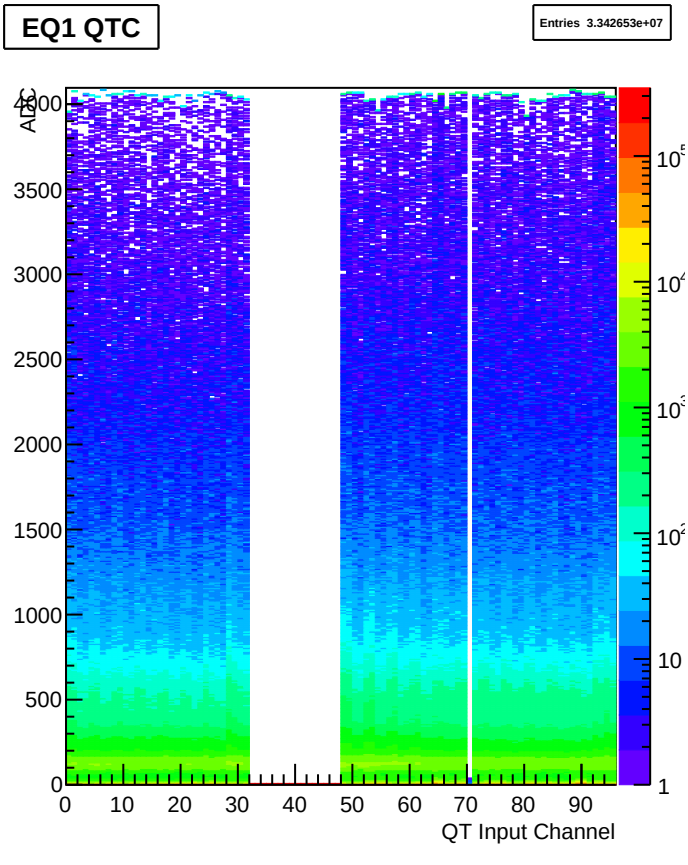

BBQ-VP001 East
Entries 5571088
TADC
QT Input Channel

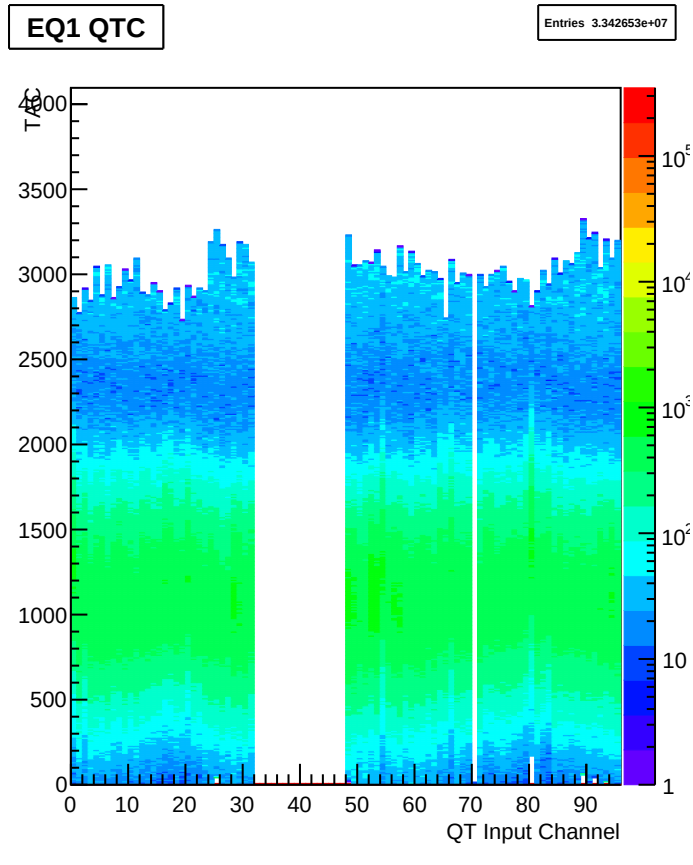

BBQ-VP002 West
Entries 5571088
ADC
QT Input Channel

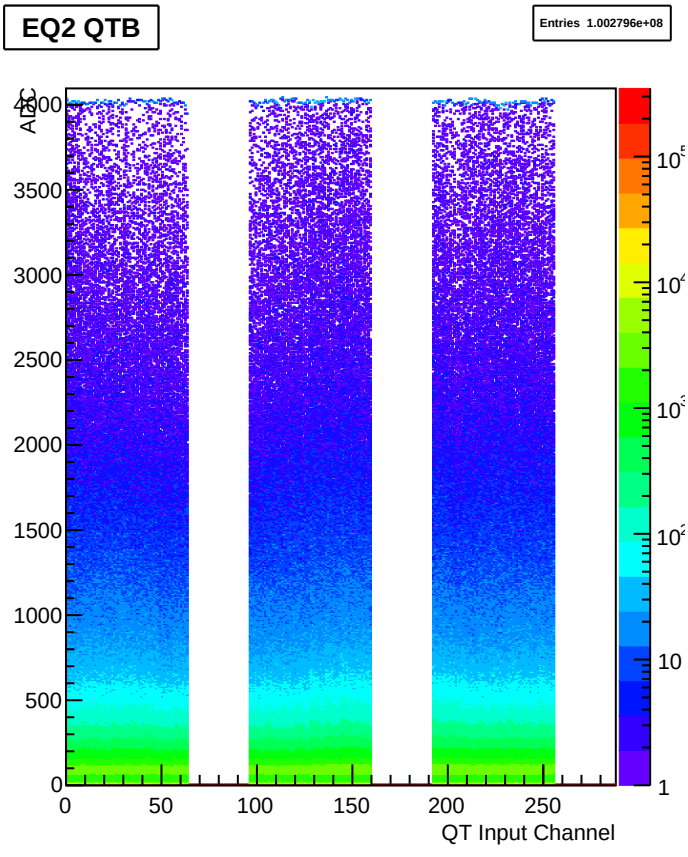

BBQ-VP002 West
Entries 5571088
TADC
QT Input Channel

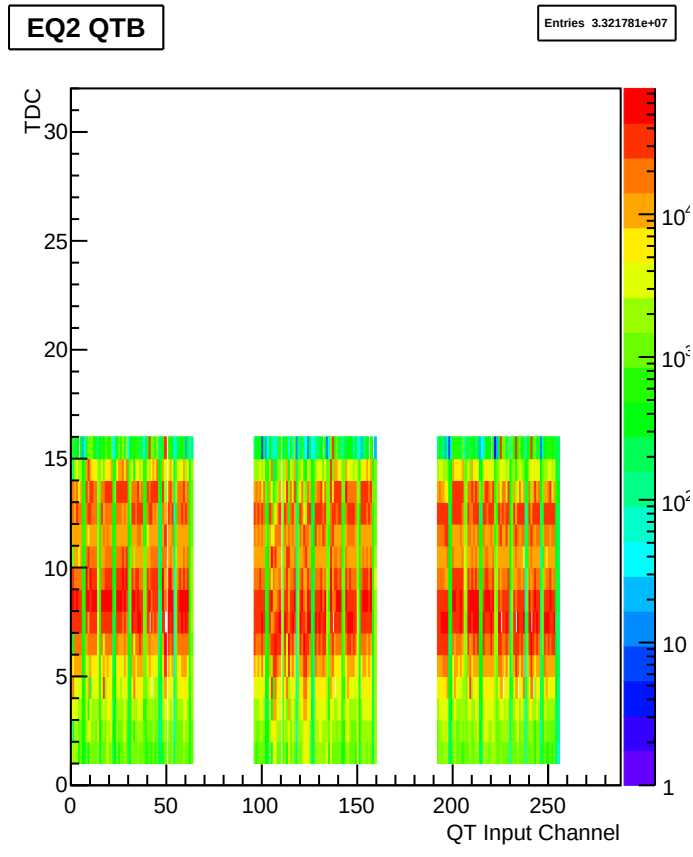

EQ1 QTB
Entries 1.002796e+08
ADC
QT Input Channel

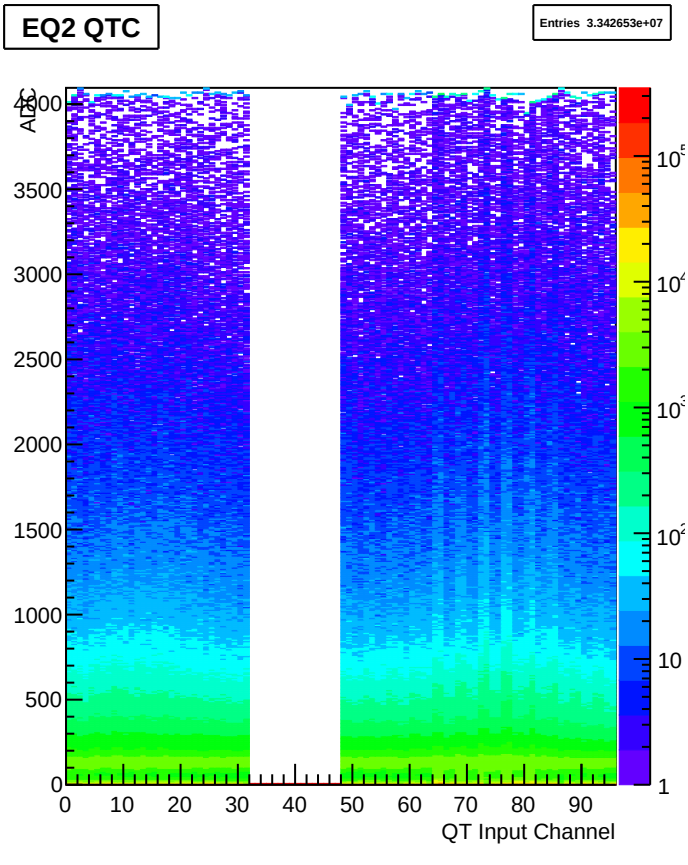

EQ1 QTB
Entries 3.393848e+07
TDC
QT Input Channel

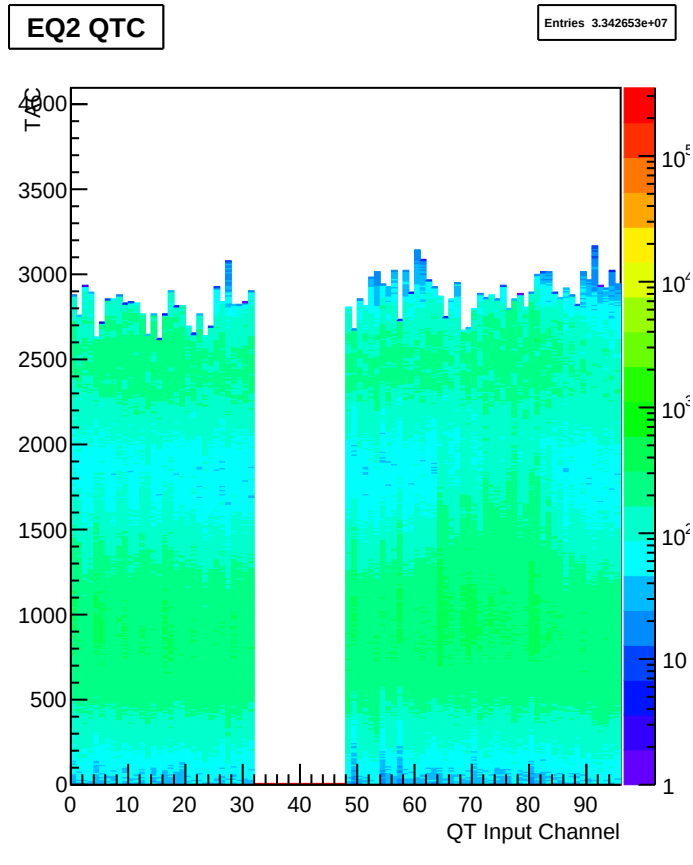

EQ1 QTC
Entries 3.342653e+07
ADC
QT Input Channel

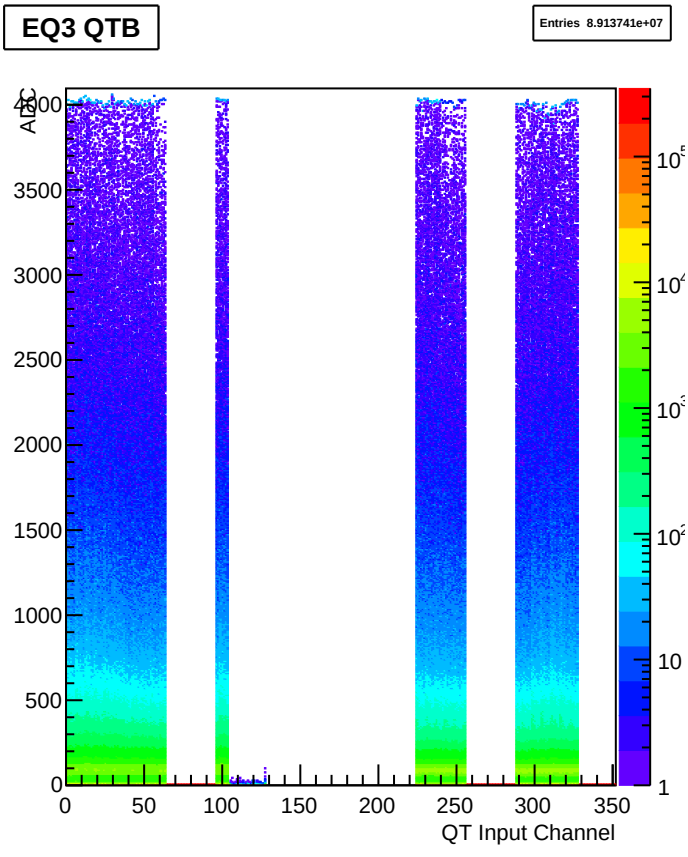

EQ1 QTC
Entries 3.342653e+07
TADC
QT Input Channel

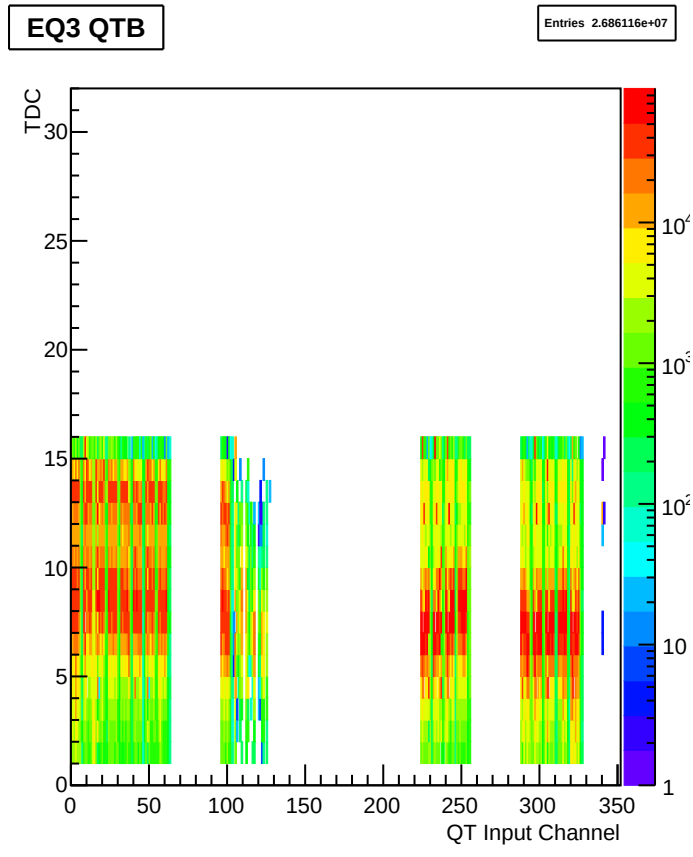

EQ2 QTB
Entries 1.002796e+08
ADC
QT Input Channel

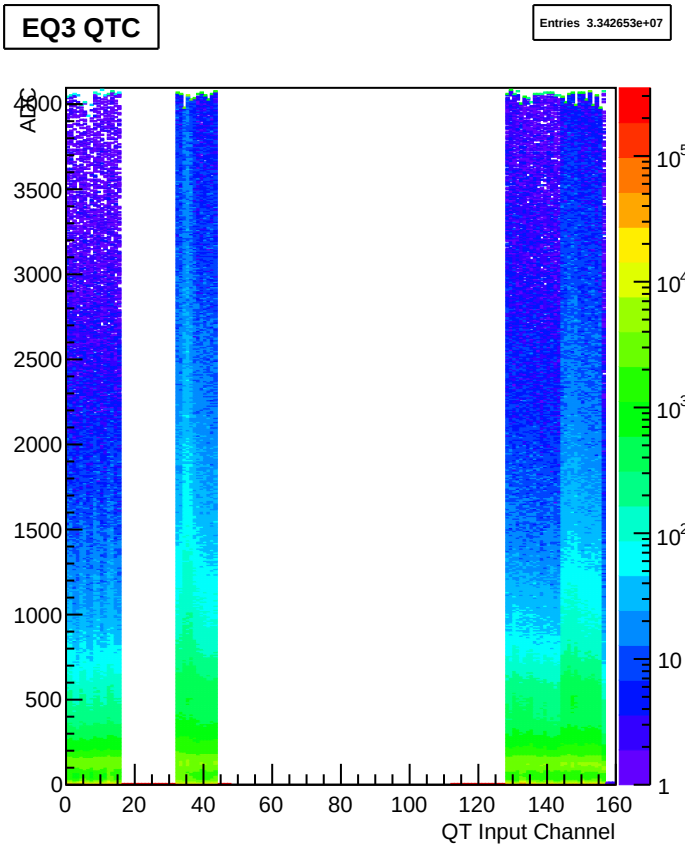

EQ2 QTB
Entries 3.321781e+07
TDC
QT Input Channel

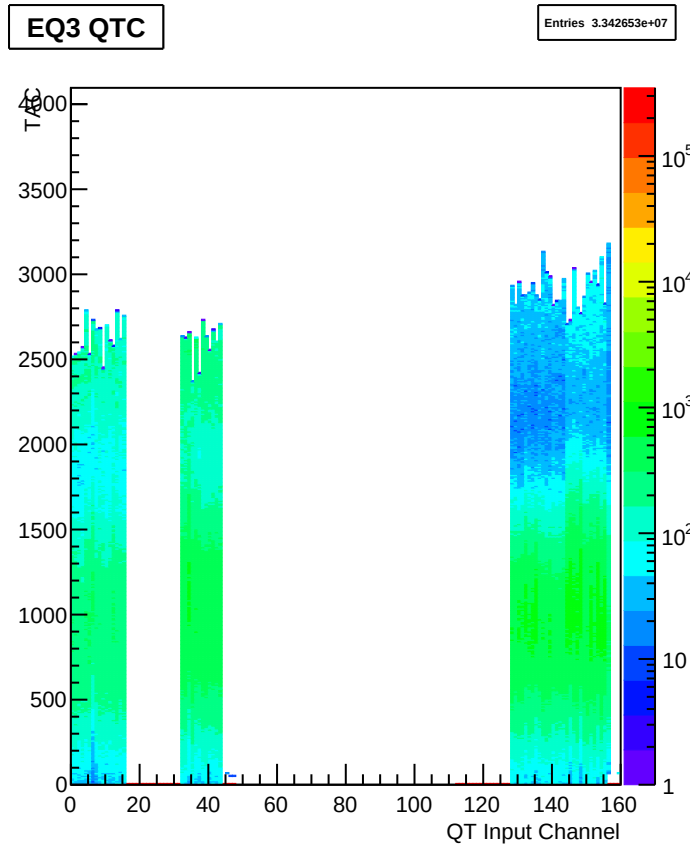

EQ2 QTC
Entries 3.342653e+07
ADC
QT Input Channel

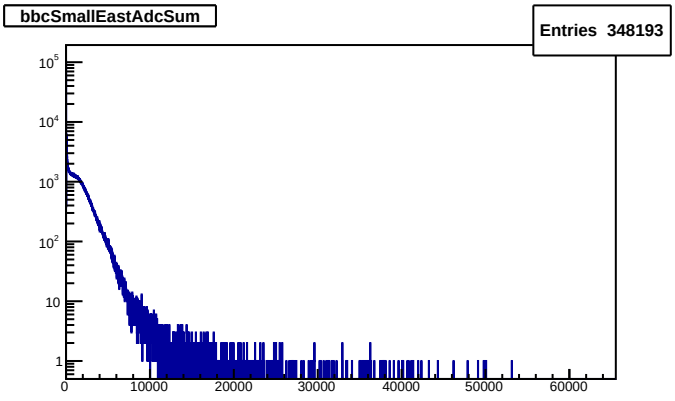

EQ2 QTC
Entries 3.342653e+07
TADC
QT Input Channel

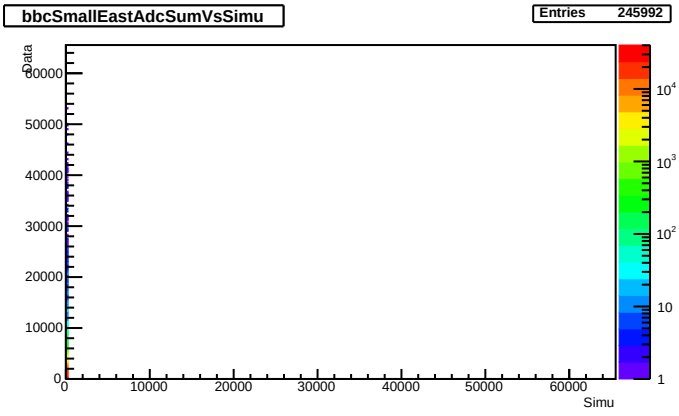

EQ3 QTB
Entries 8.913741e+07
ADC
QT Input Channel

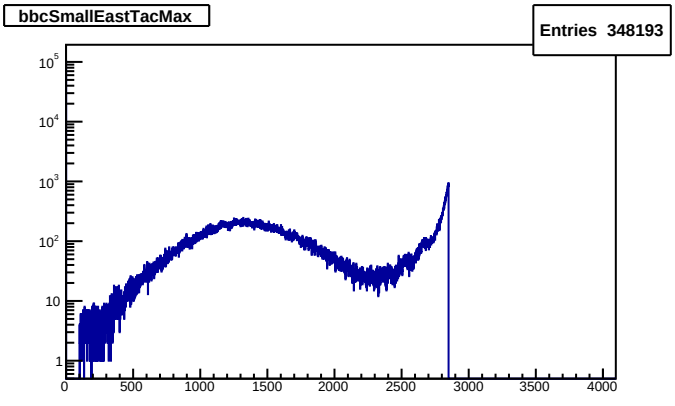

EQ3 QTB
Entries 2.686116e+07
TDC
QT Input Channel

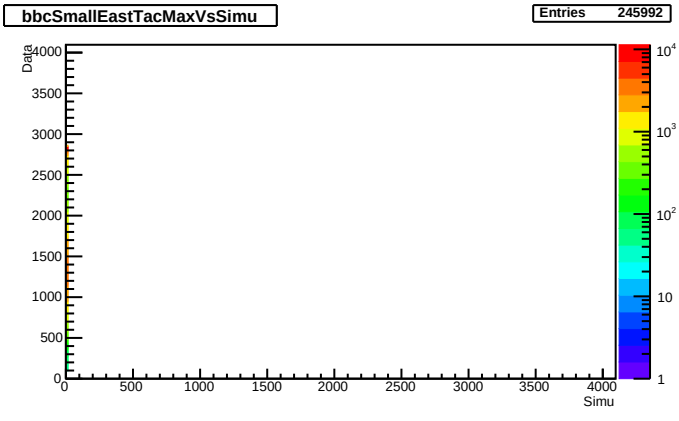

EQ3 QTC
Entries 3.342653e+07
ADC
QT Input Channel

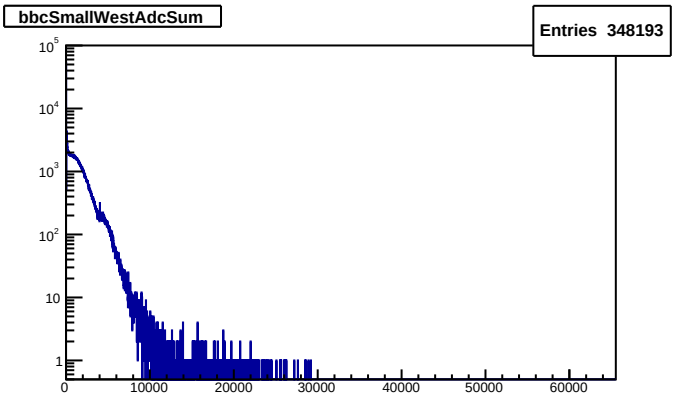

EQ3 QTC
Entries 3.342653e+07
TADC
QT Input Channel

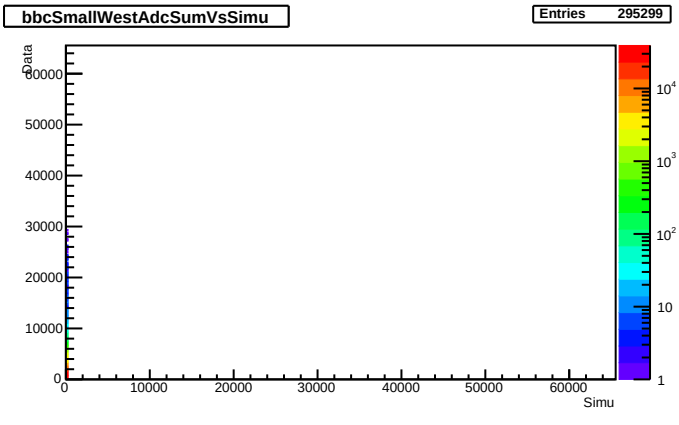

bbcSmallEastAdcSum
Entries 348193


bbcSmallEastAdcSumVsSimu
Entries 245992
Data
Simu


bbcSmallEastTacMax
Entries 348193


bbcSmallEastTacMaxVsSimu
Entries 245992
Data
Simu


bbcSmallWestAdcSum
Entries 348193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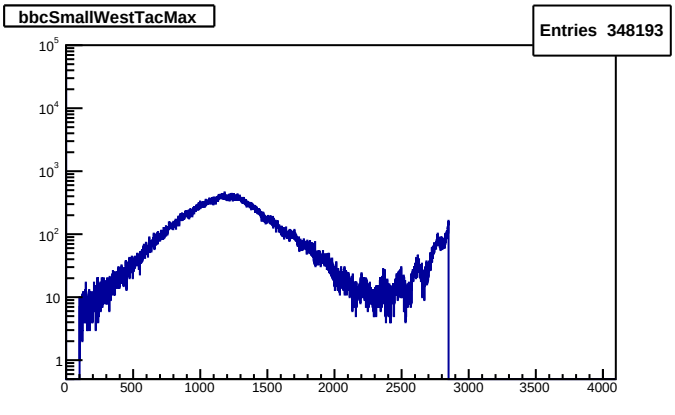
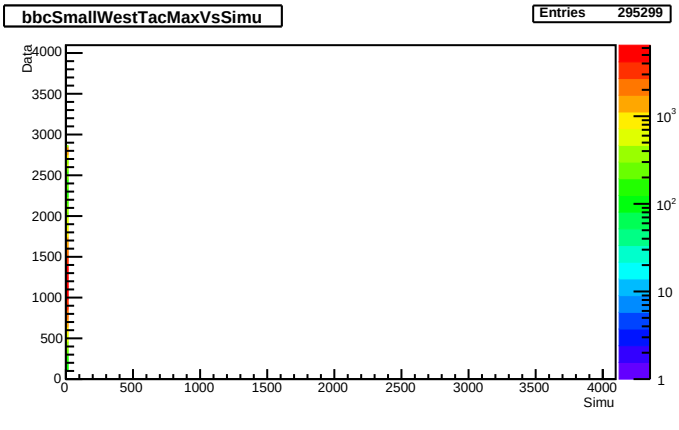
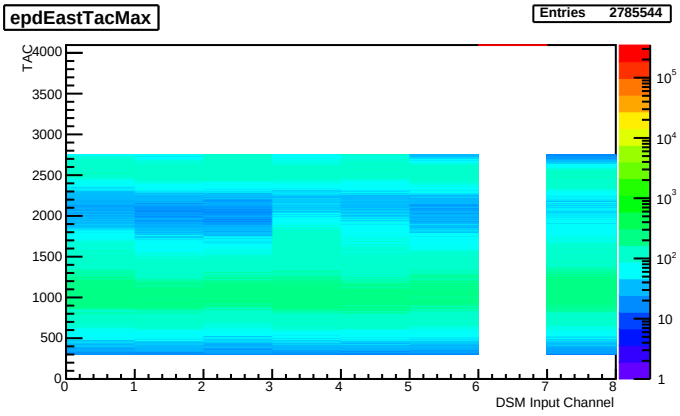
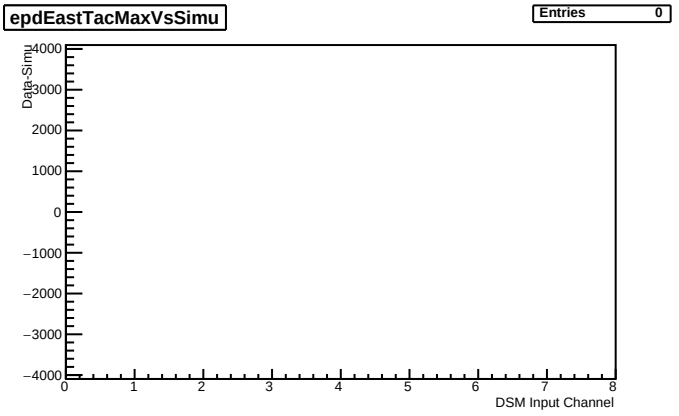
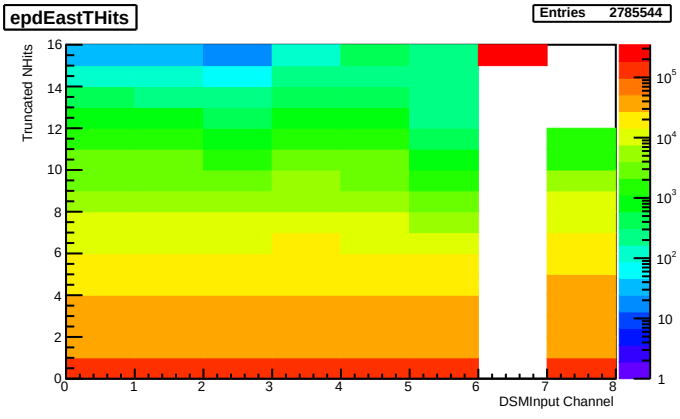
Entries 295299
Data
Simu

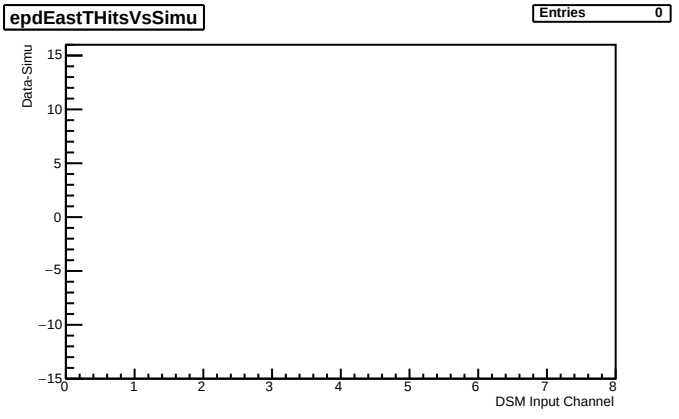

bbcSmallWestTacMax
Entries 348193


bbcSmallWestTacMaxVsSimu
Entries 295299
Data
Simu


epdEastTacMax
Entries 2785544
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2785544
Truncated NHits
DSMInput Channel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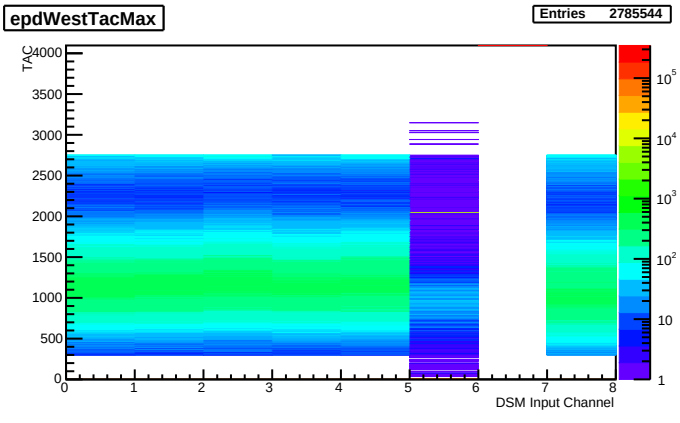
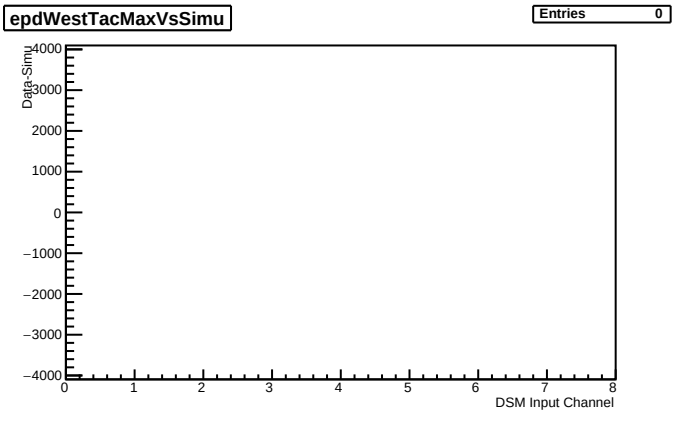
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2785544
TAC
DSM Input Channel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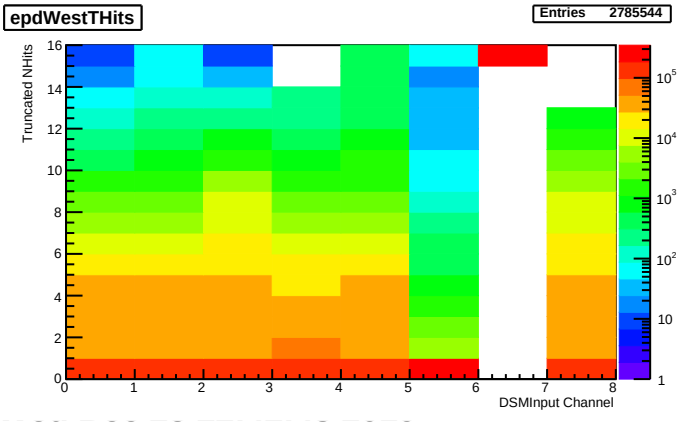
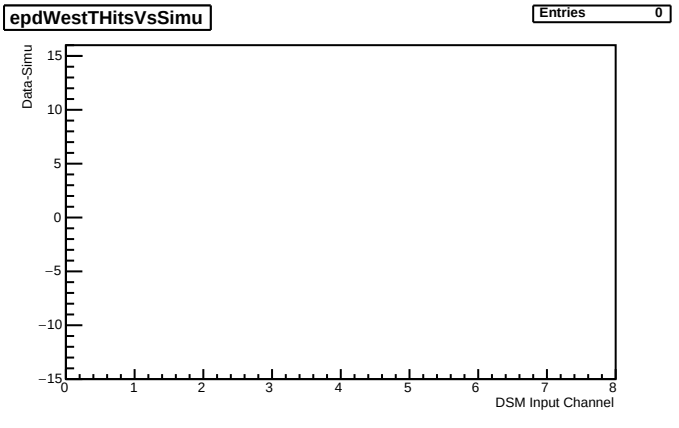
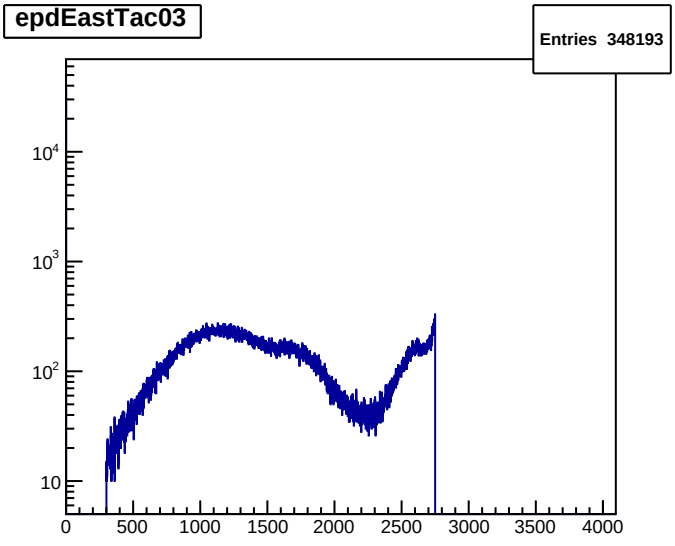
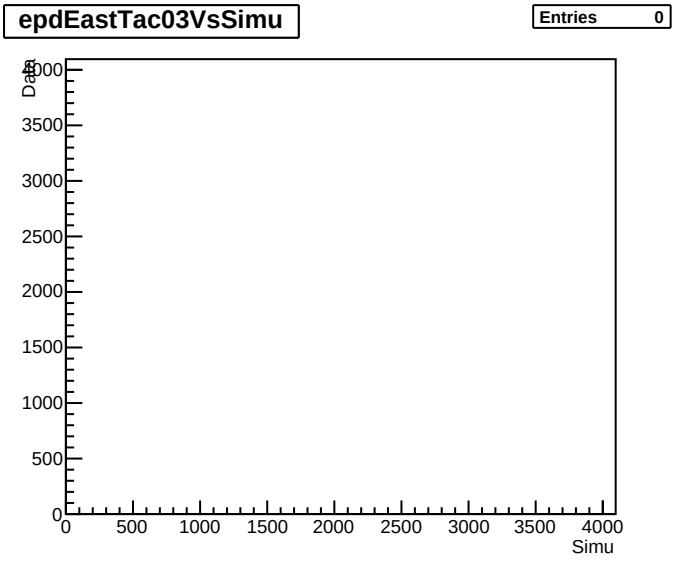
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2785544
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 348193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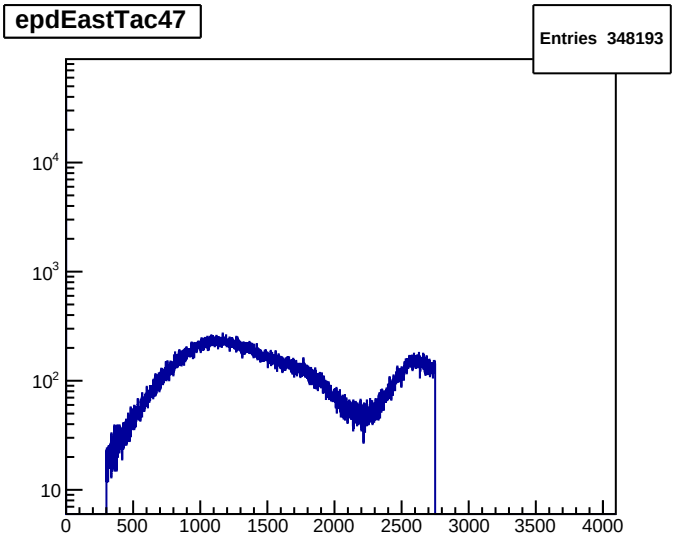
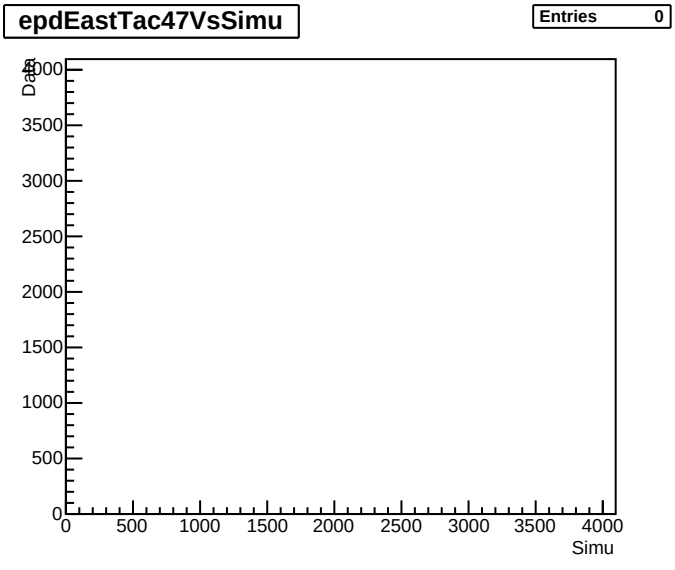
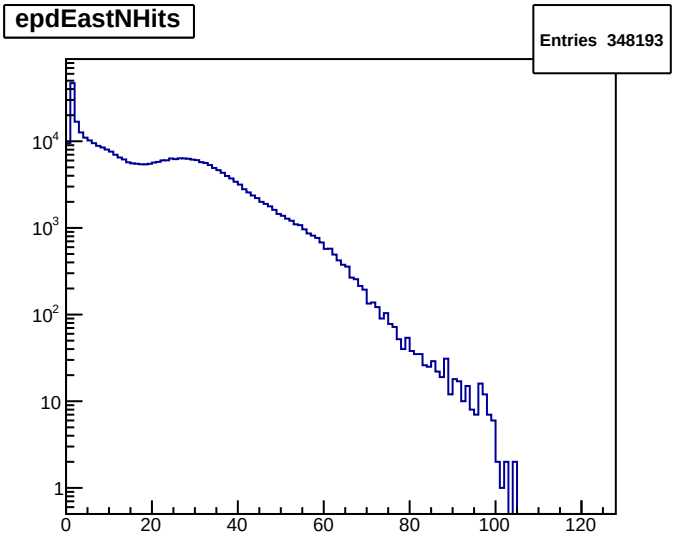
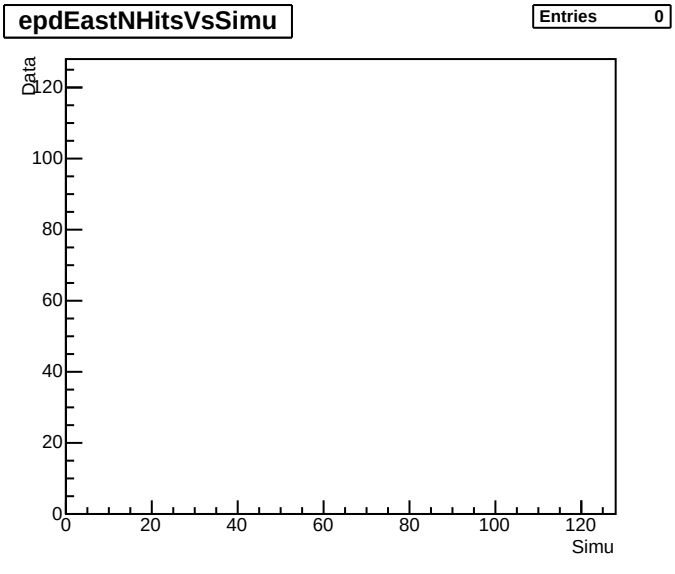
Entries 0
Data
Simu


epdEastTac47
Entries 348193


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 348193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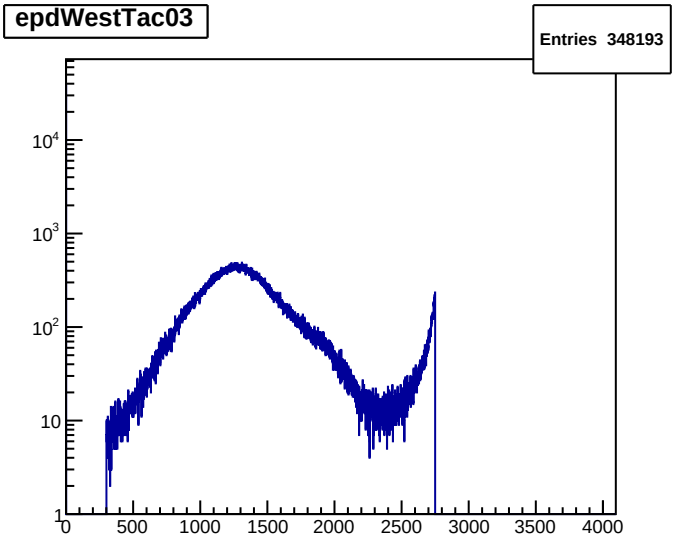
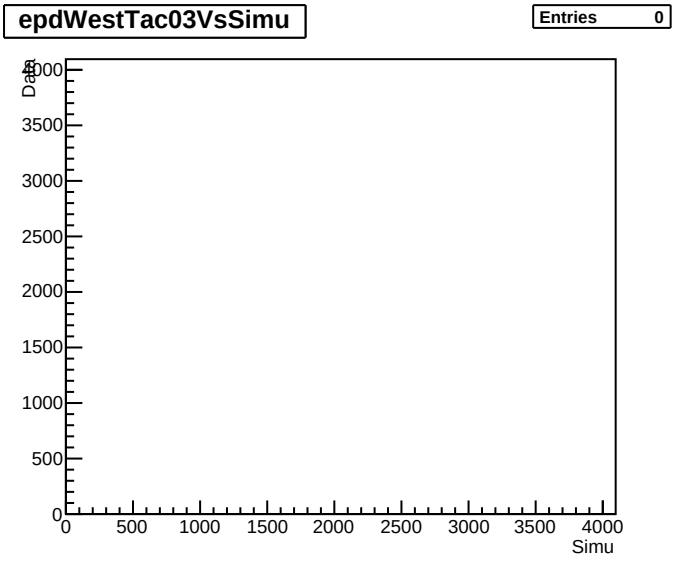
Entries 0
Data
Simu


epdWestTac03
Entries 348193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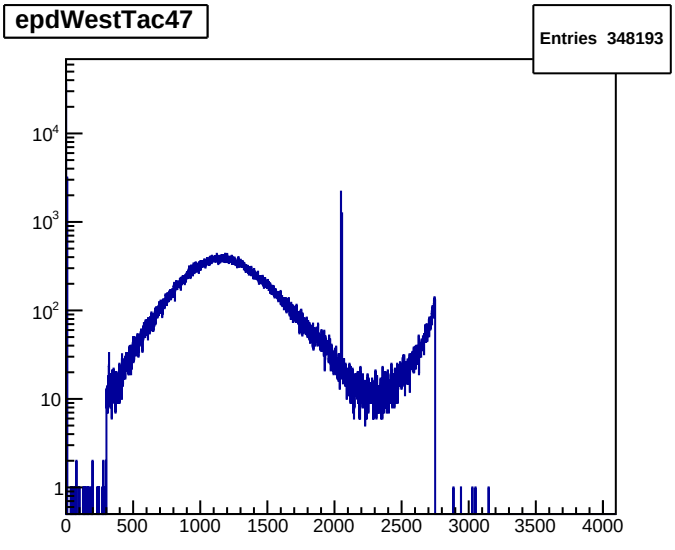
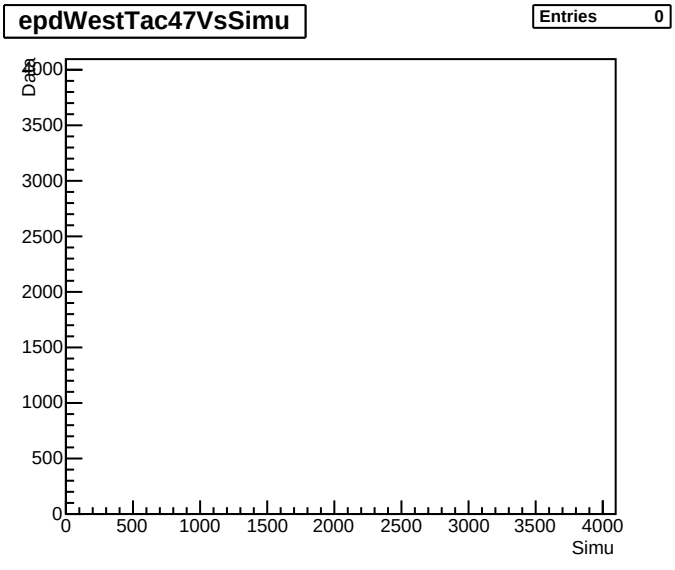
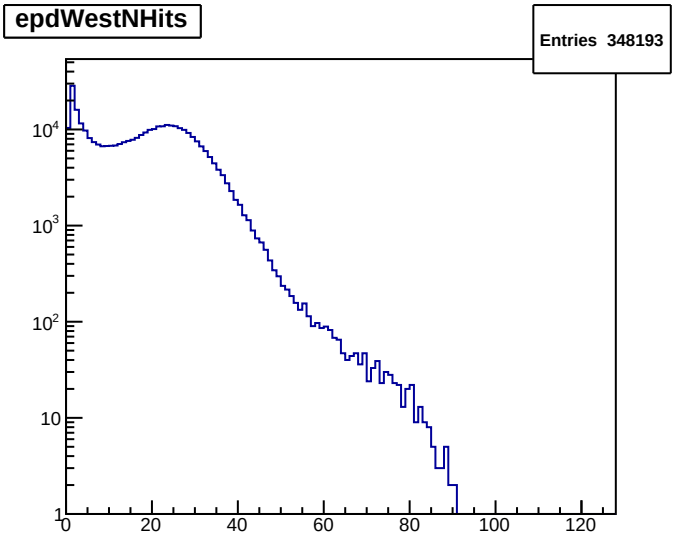
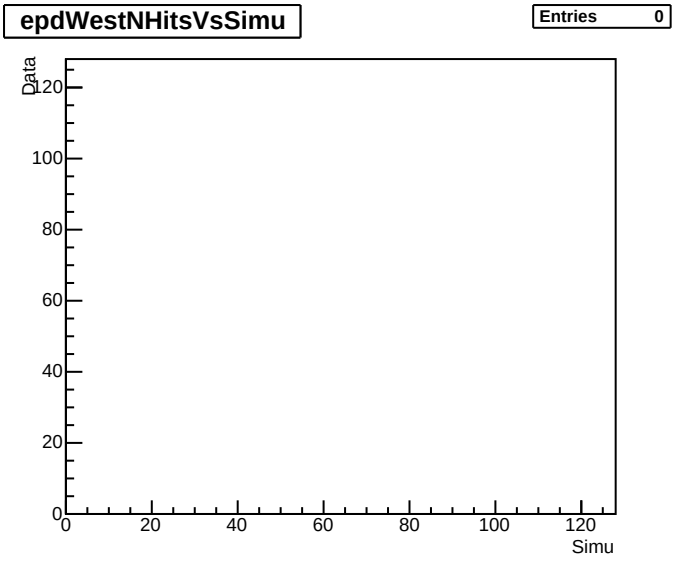
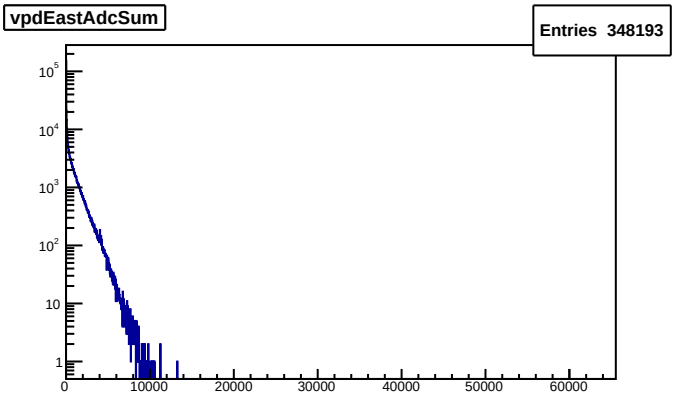
Entries 0
Data
Simu

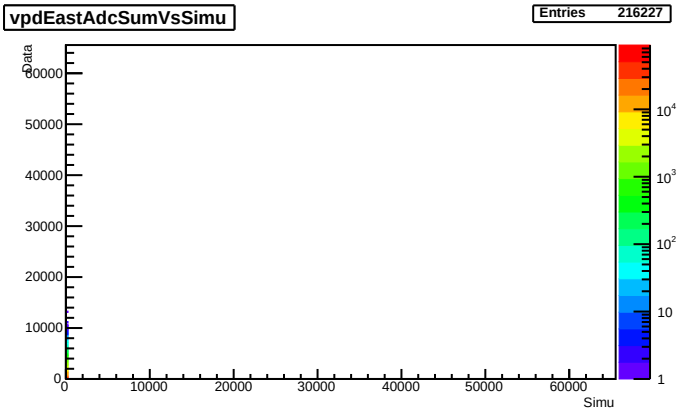

epdWestTac47
Entries 348193

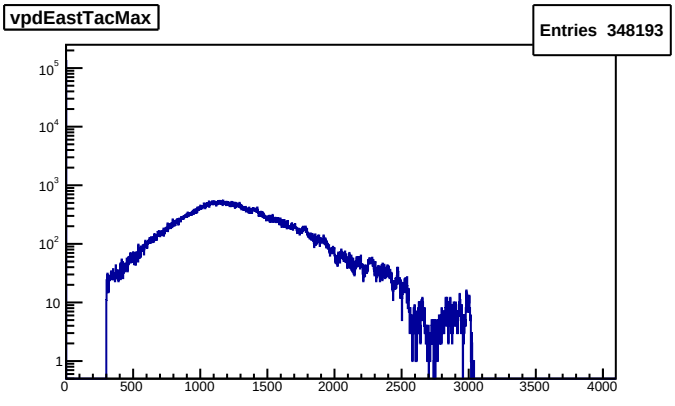

epdWestTac47VsSimu
Entries 0
Data
Simu

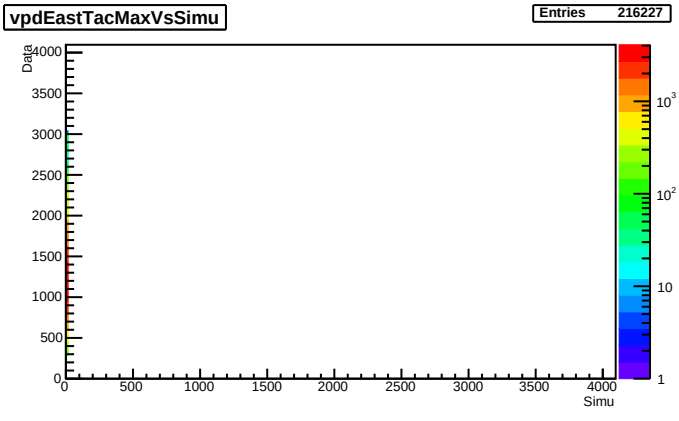

epdWestNHits
Entries 348193

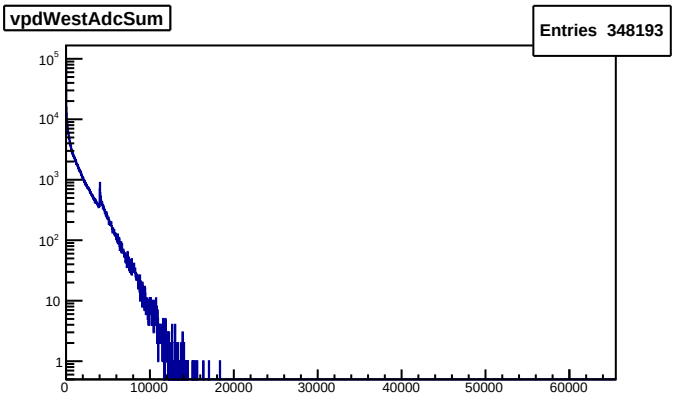

epdWestNHitsVsSimu
Entries 0
Data
Simu

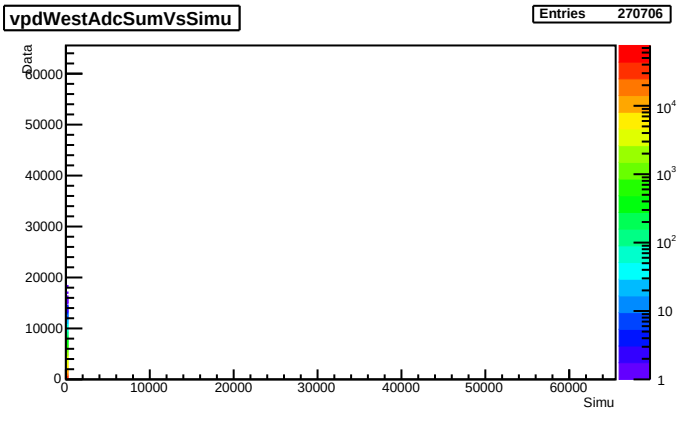

vpdEastAdcSum
Entries 348193

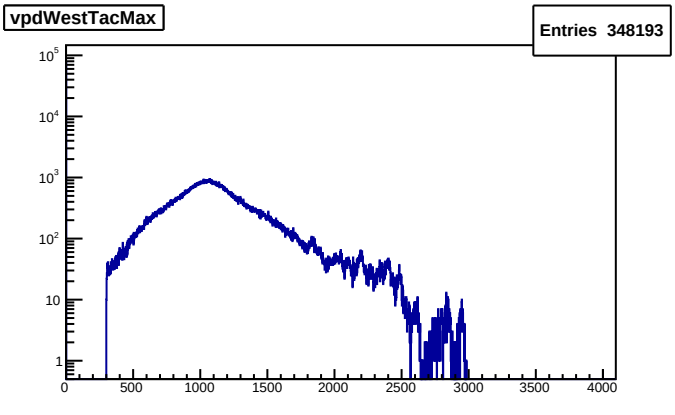

vpdEastAdcSumVsSimu
Entries 216227
Data
Simu

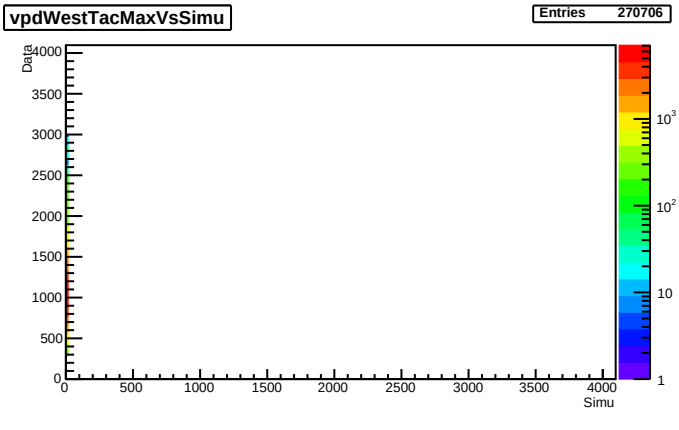

vpdEastTacMax
Entries 348193

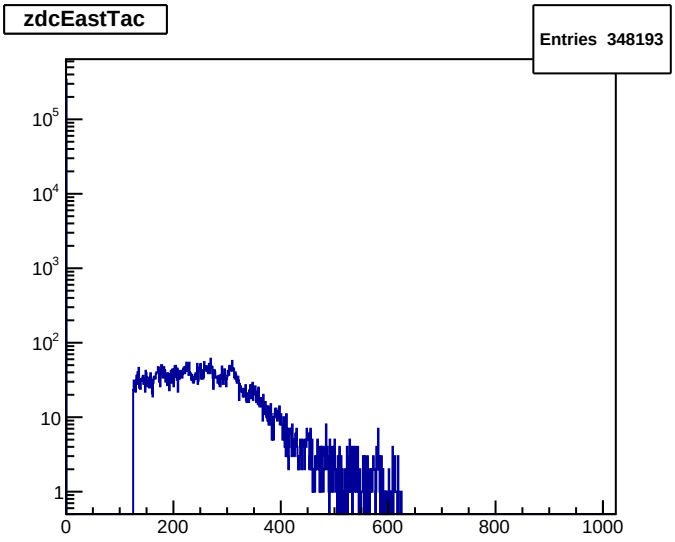

vpdEastTacMaxVsSimu
Entries 216227
Data
Simu

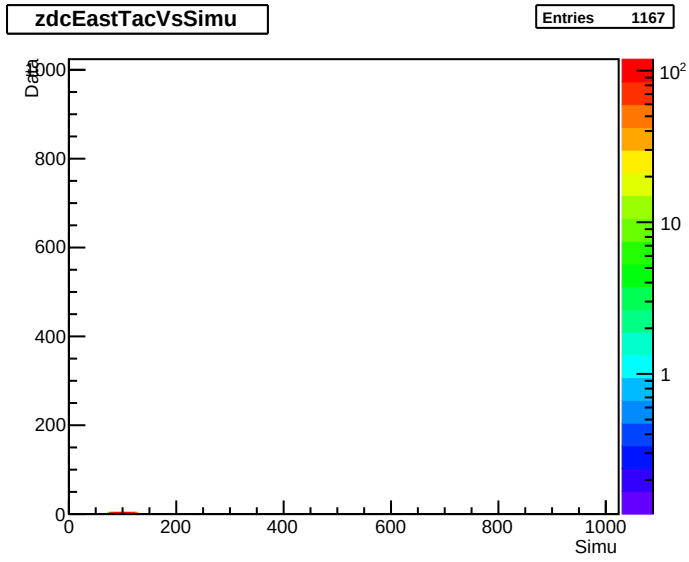

vpdWestAdcSum
Entries 348193

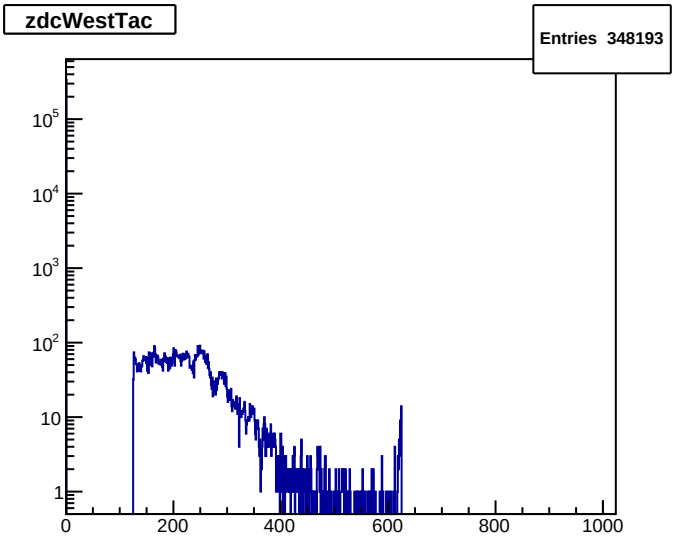

vpdWestAdcSumVsSimu
Entries 270706
Data
Simu

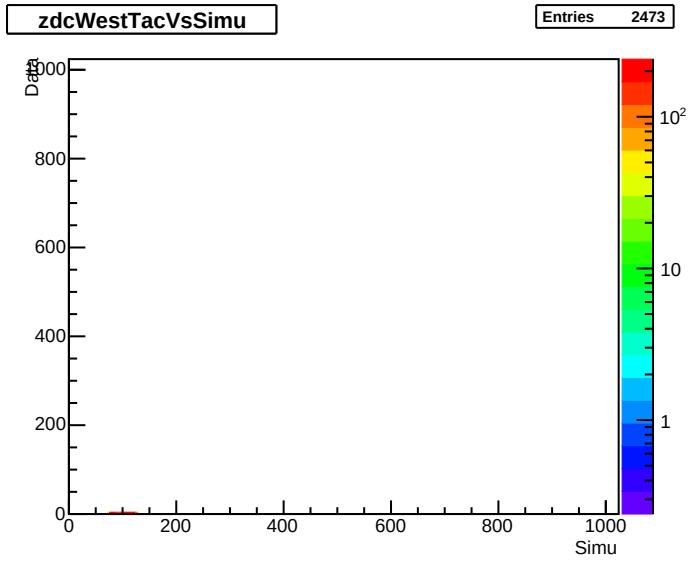

vpdWestTacMax
Entries 348193

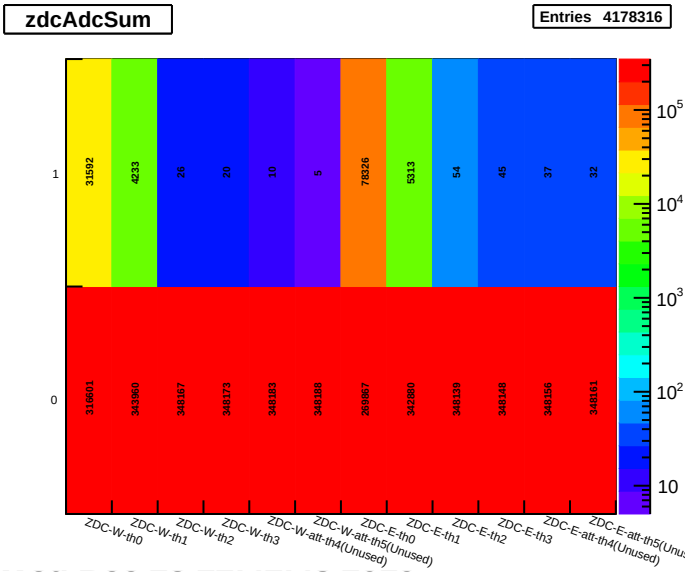

vpdWestTacMaxVsSimu
Entries 270706
Data
Simu

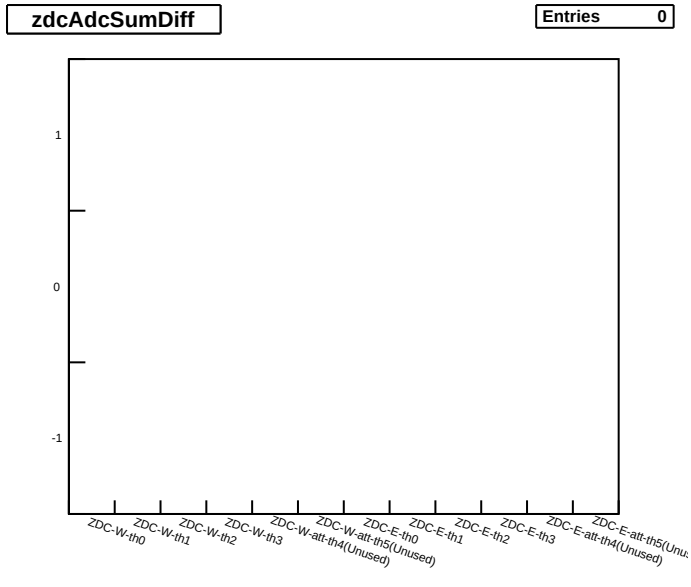

zdcEastTac
Entries 348193

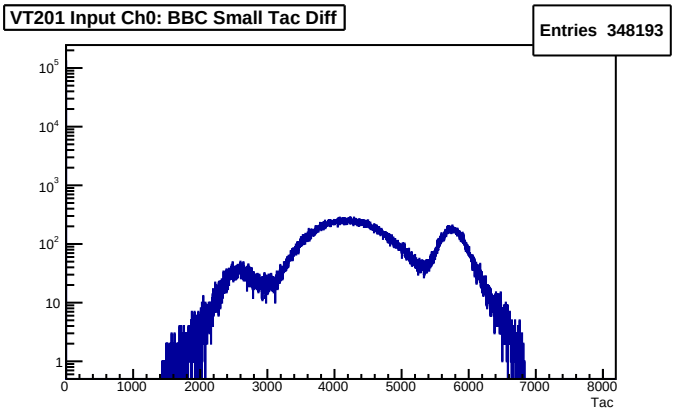

zdcEastTacVsSimu
Entries 1167
Data
Simu

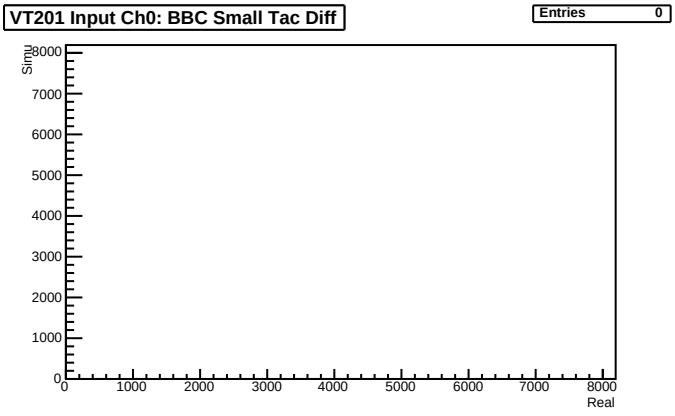

zdcWestTac
Entries 348193

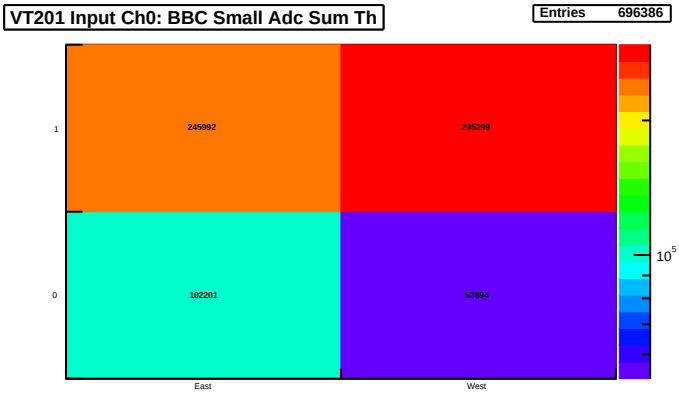

zdcWestTacVsSimu
Entries 2473
Data
Simu

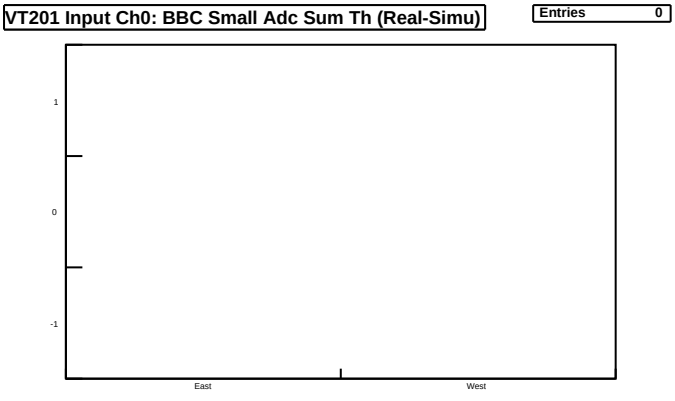

zdcAdcSum
Entries 4178316
31592
4233
26
20
10
5
78326
5313
54
45
37
32
316601
343960
348167
348173
348183
348188
269867
342880
348139
348148
348156
348161
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

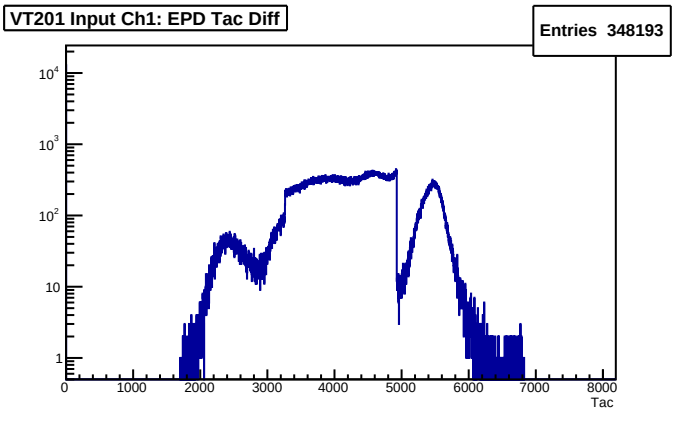

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

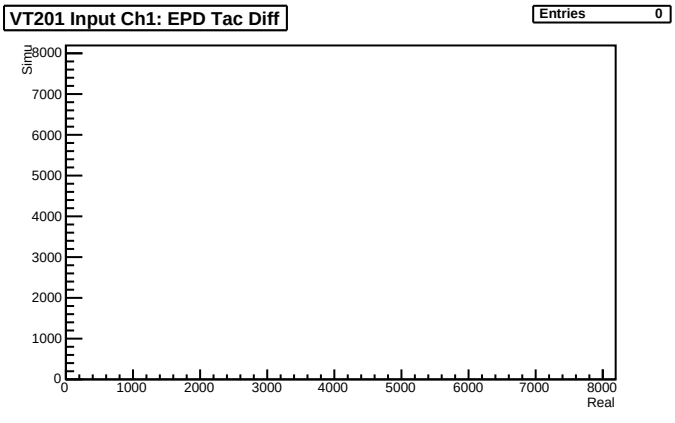

VT201 Input Ch0: BBC Small Tac Diff
Entries 348193
Tac

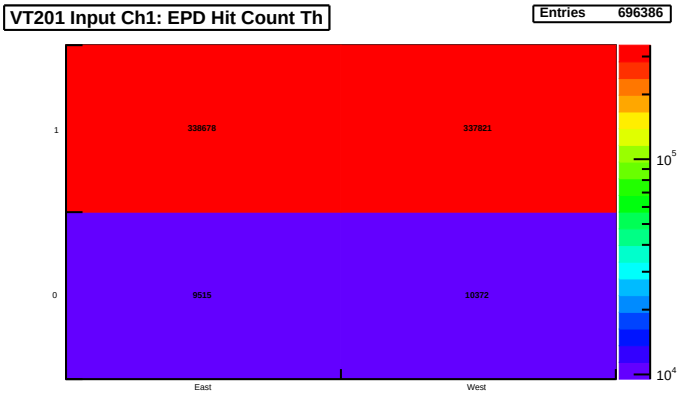

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

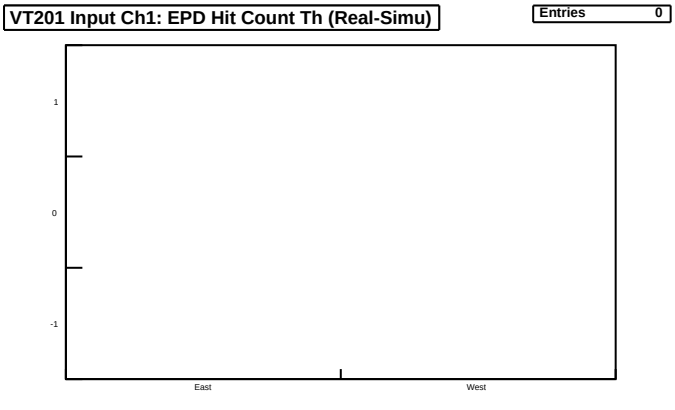

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 696386
245992
295299
102201
52894
East
West

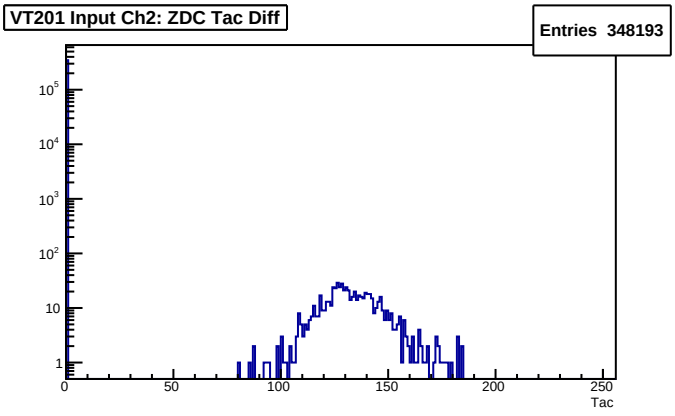

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

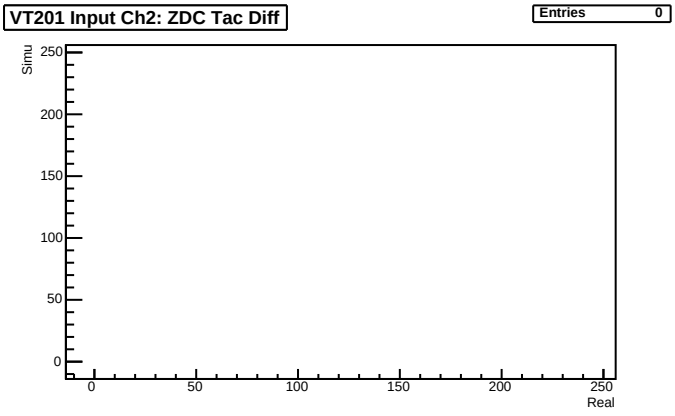

VT201 Input Ch1: EPD Tac Diff
Entries 348193
Tac

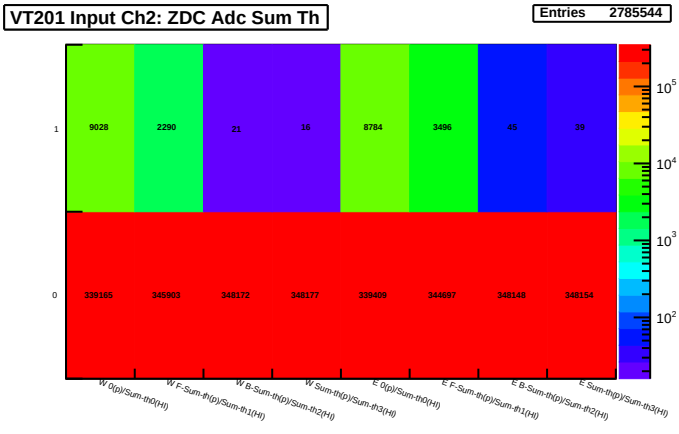

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

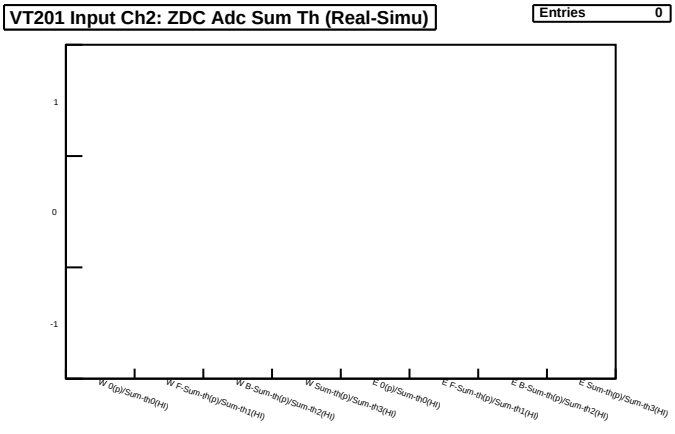

VT201 Input Ch1: EPD Hit Count Th
Entries 696386
338678
337821
9515
10372
East
West

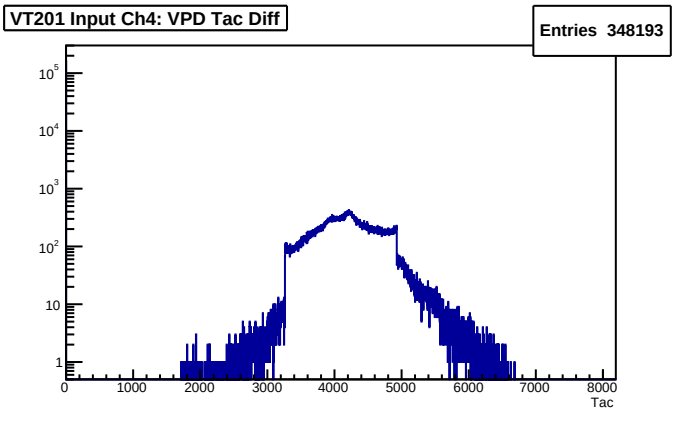

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

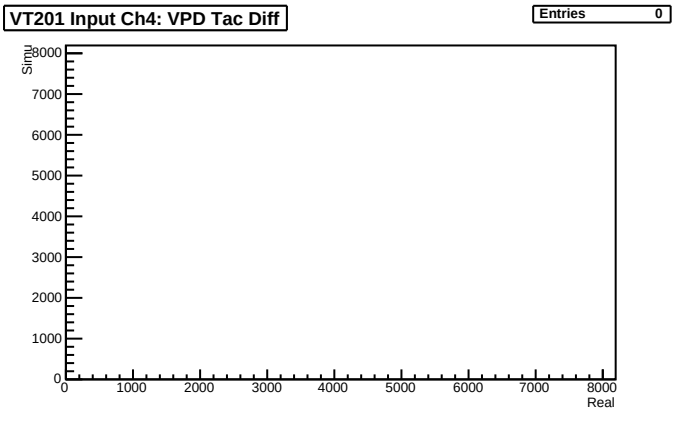

VT201 Input Ch2: ZDC Tac Diff
Entries 348193
Tac

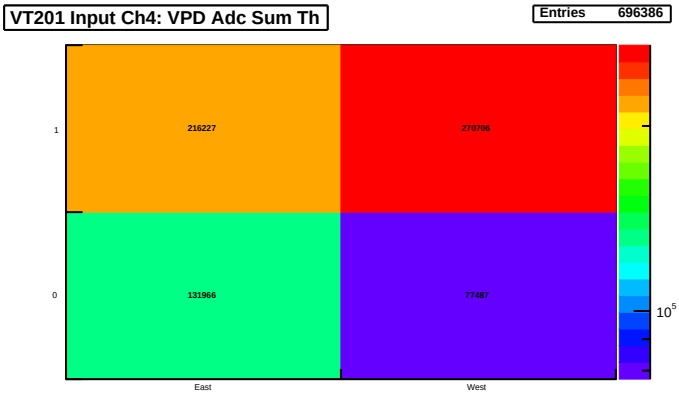

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

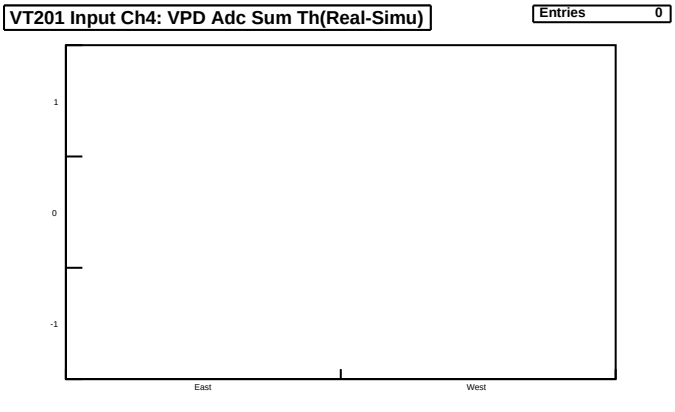

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2785544
9028
2290
21
16
8784
3496
45
39
339165
345903
348172
348177
339409
344697
348148
348154
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

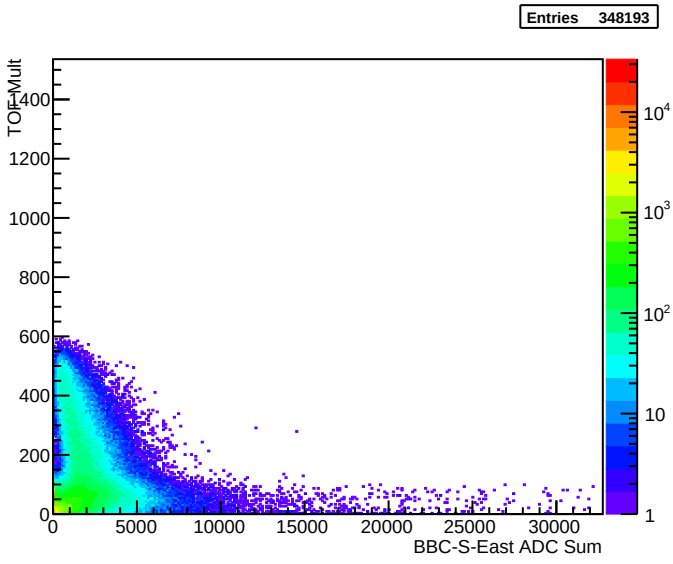

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

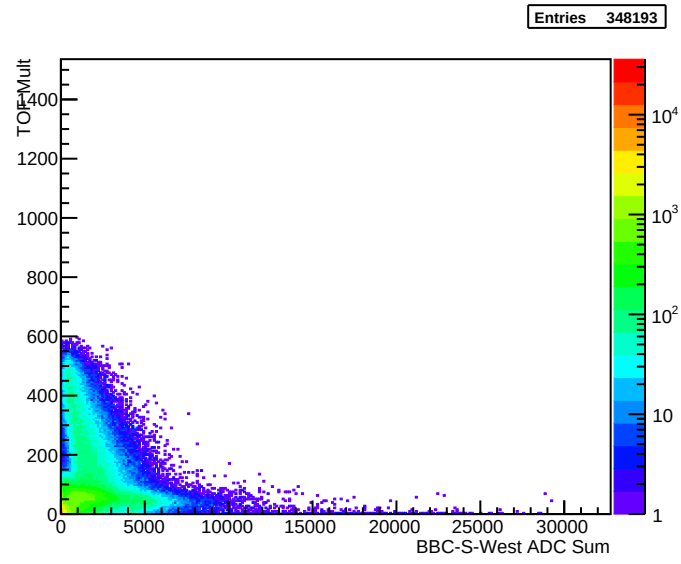

VT201 Input Ch4: VPD Tac Diff
Entries 348193
Tac

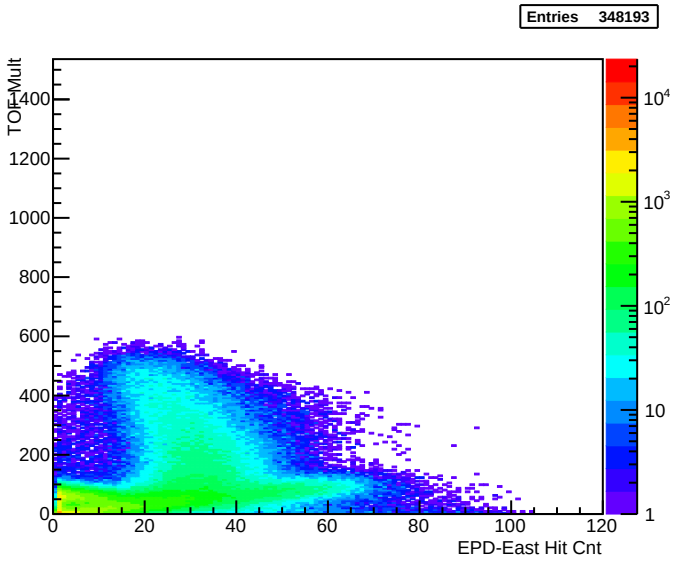

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

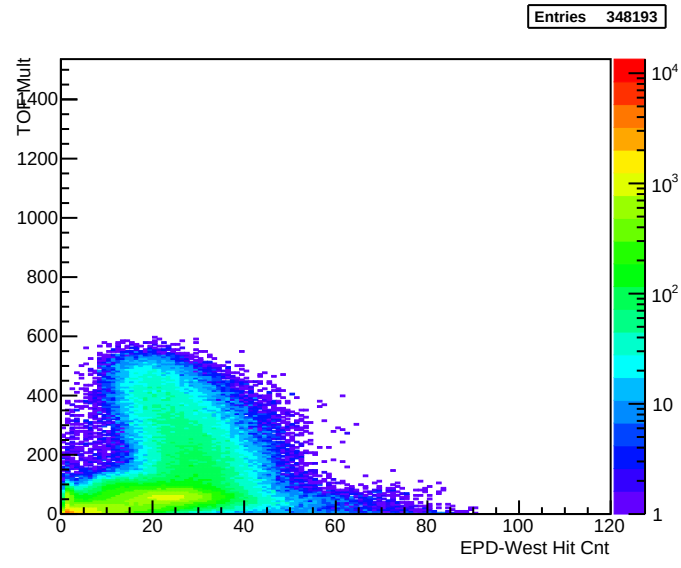

VT201 Input Ch4: VPD Adc Sum Th
Entries 696386
216227
270706
131966
77487
East
West

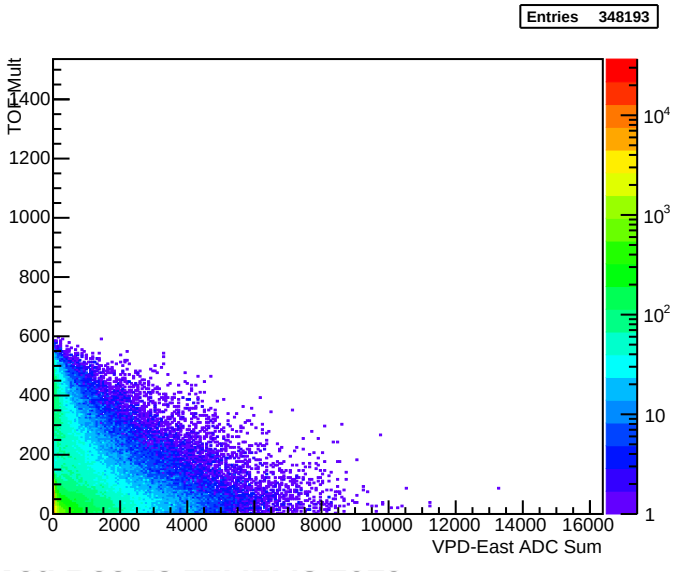

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

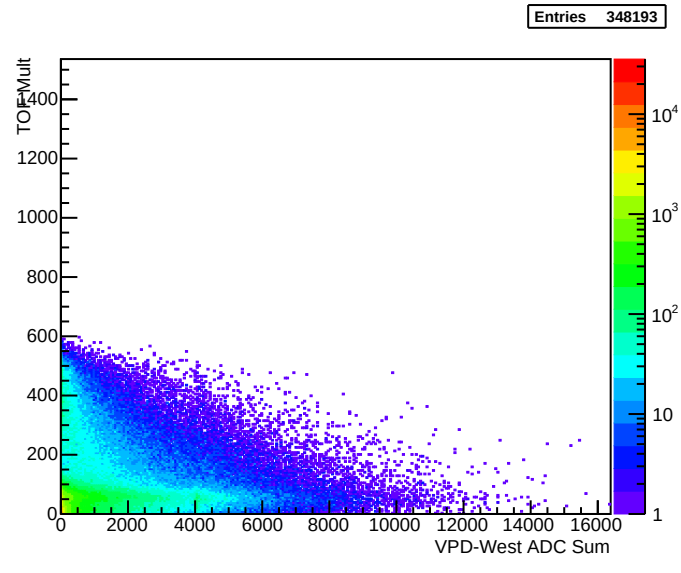

Entries 348193
TOF-Mult
BBC-S-East ADC Sum

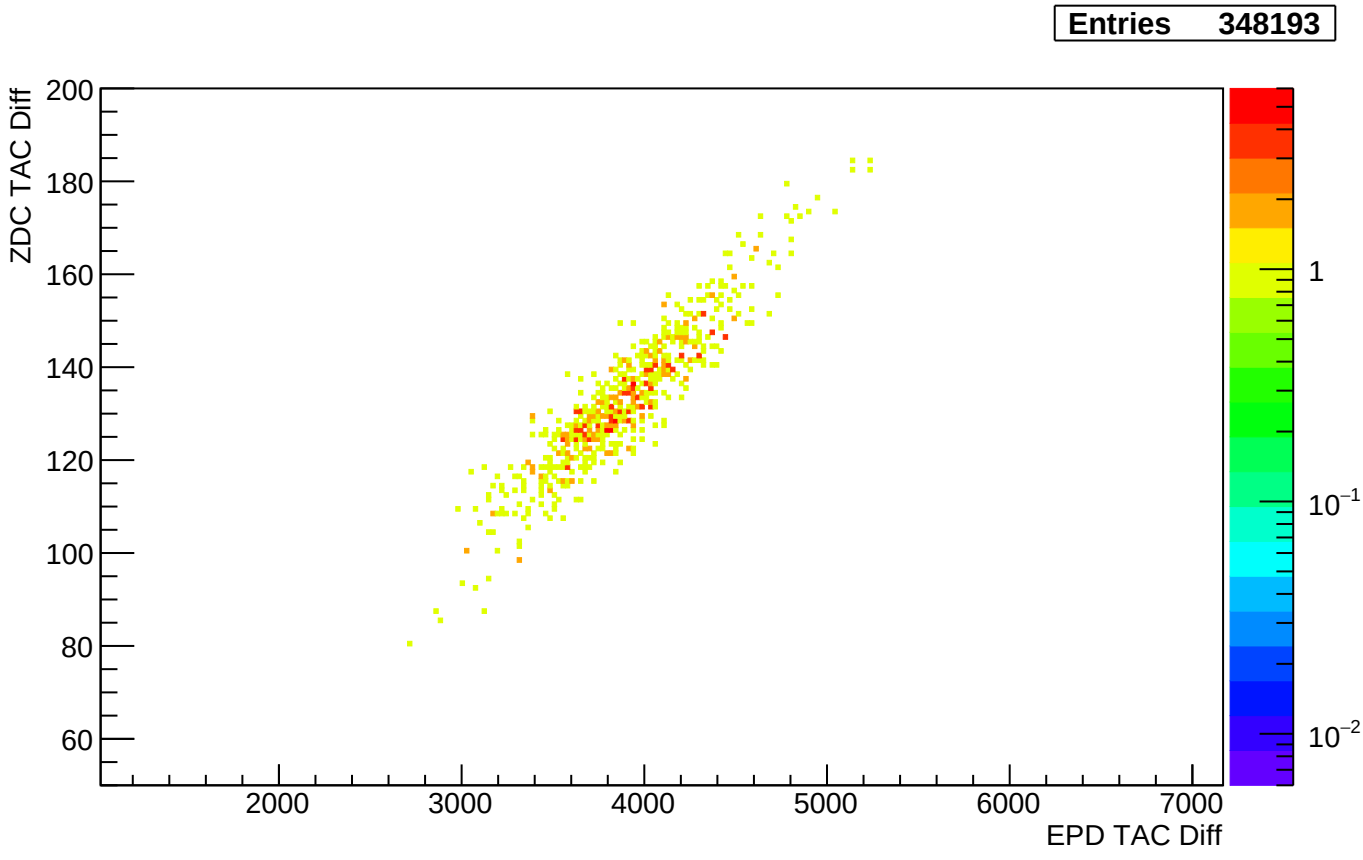

Entries 348193
TOF-Mult
BBC-S-West ADC Sum

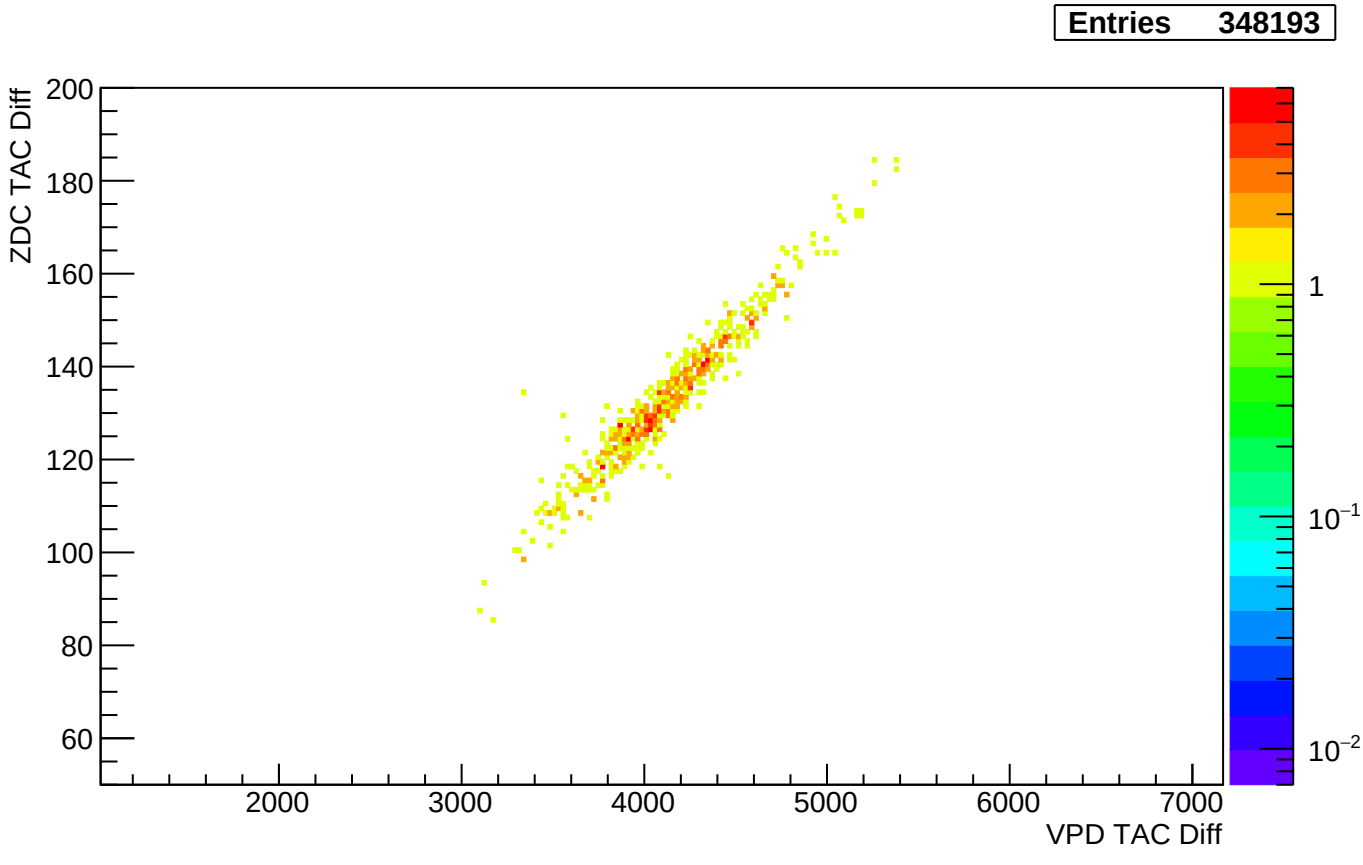

Entries 348193
TOF-Mult
EPD-East Hit Cnt

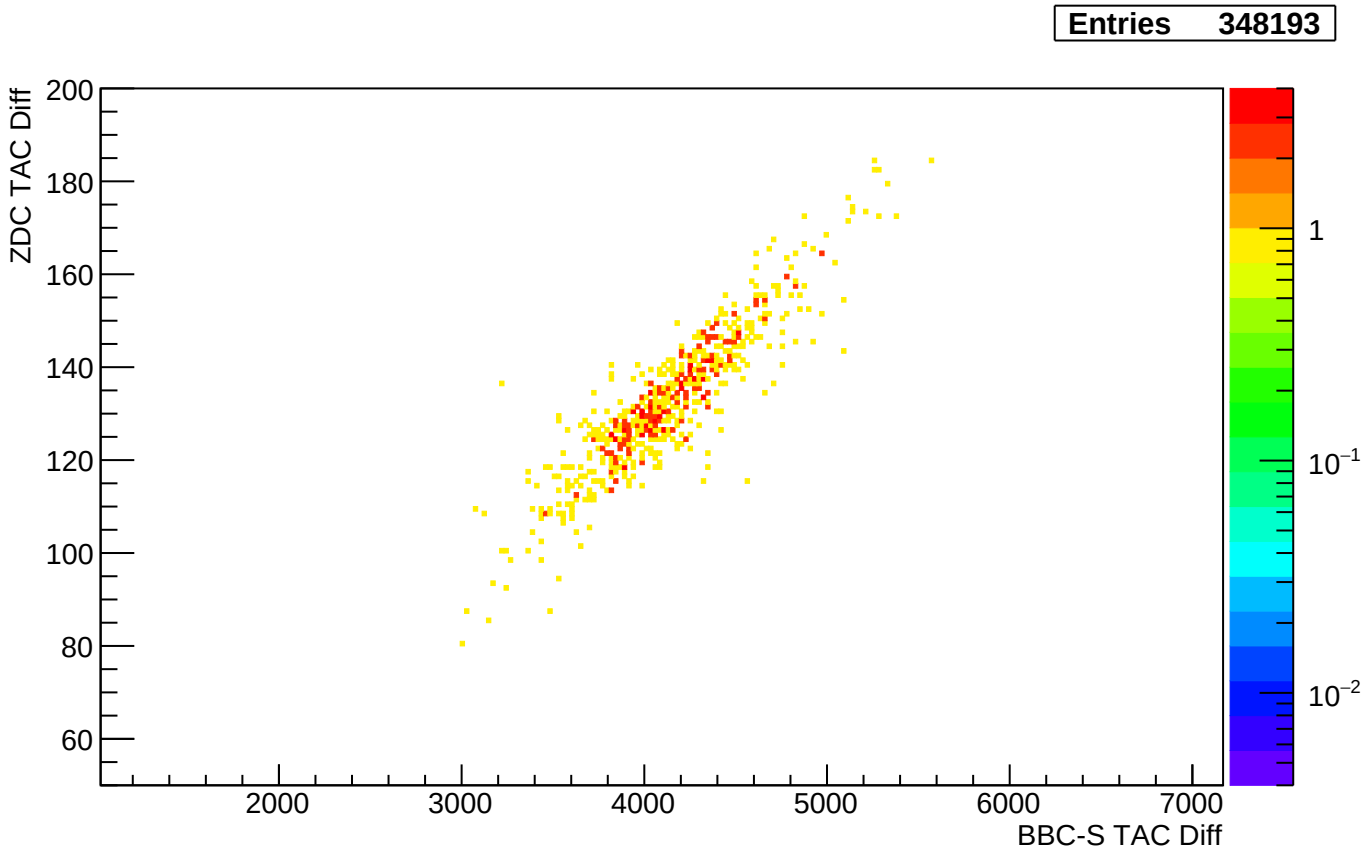

Entries 348193
TOF-Mult
EPD-West Hit Cnt

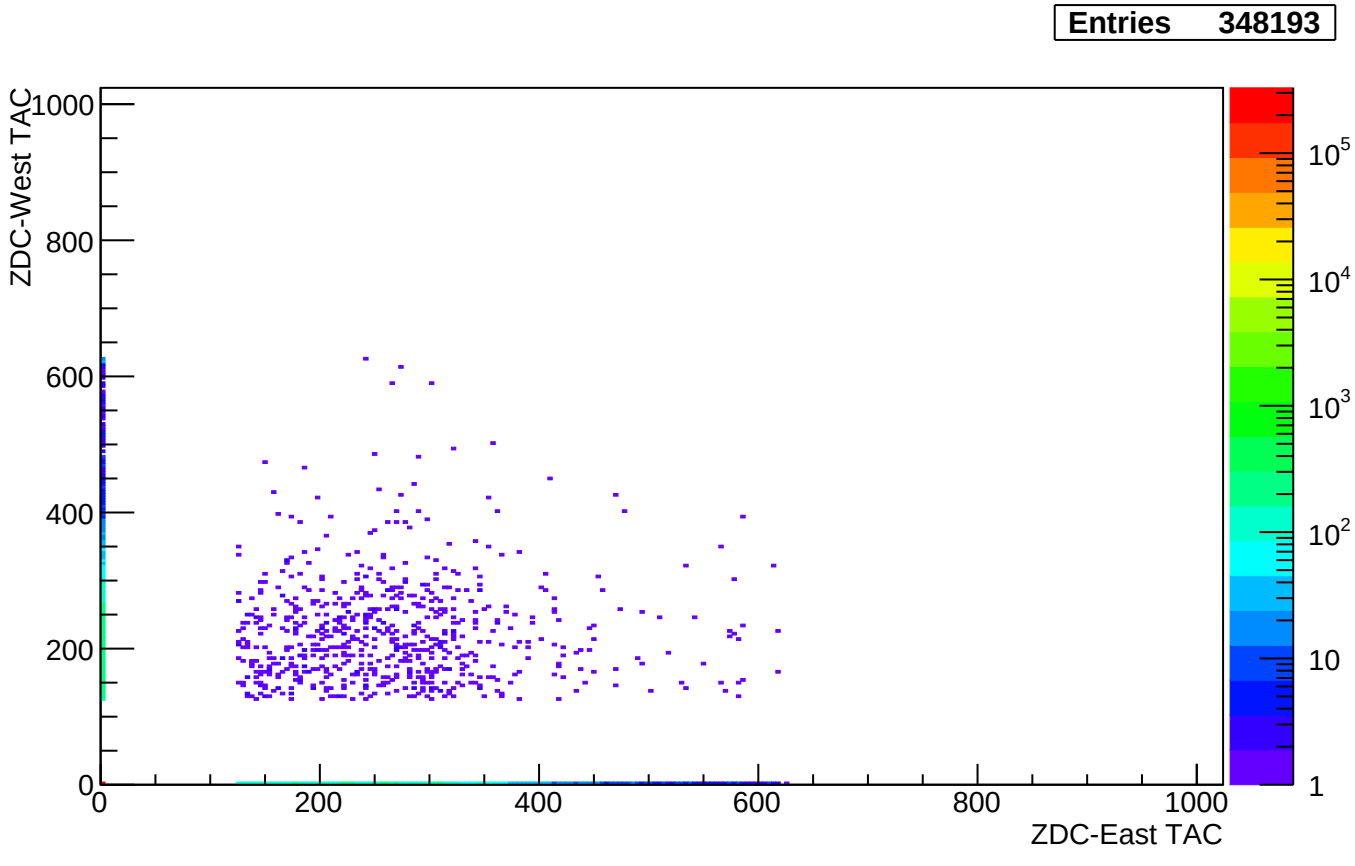

Entries 348193
TOF-Mult
VPD-East ADC Sum

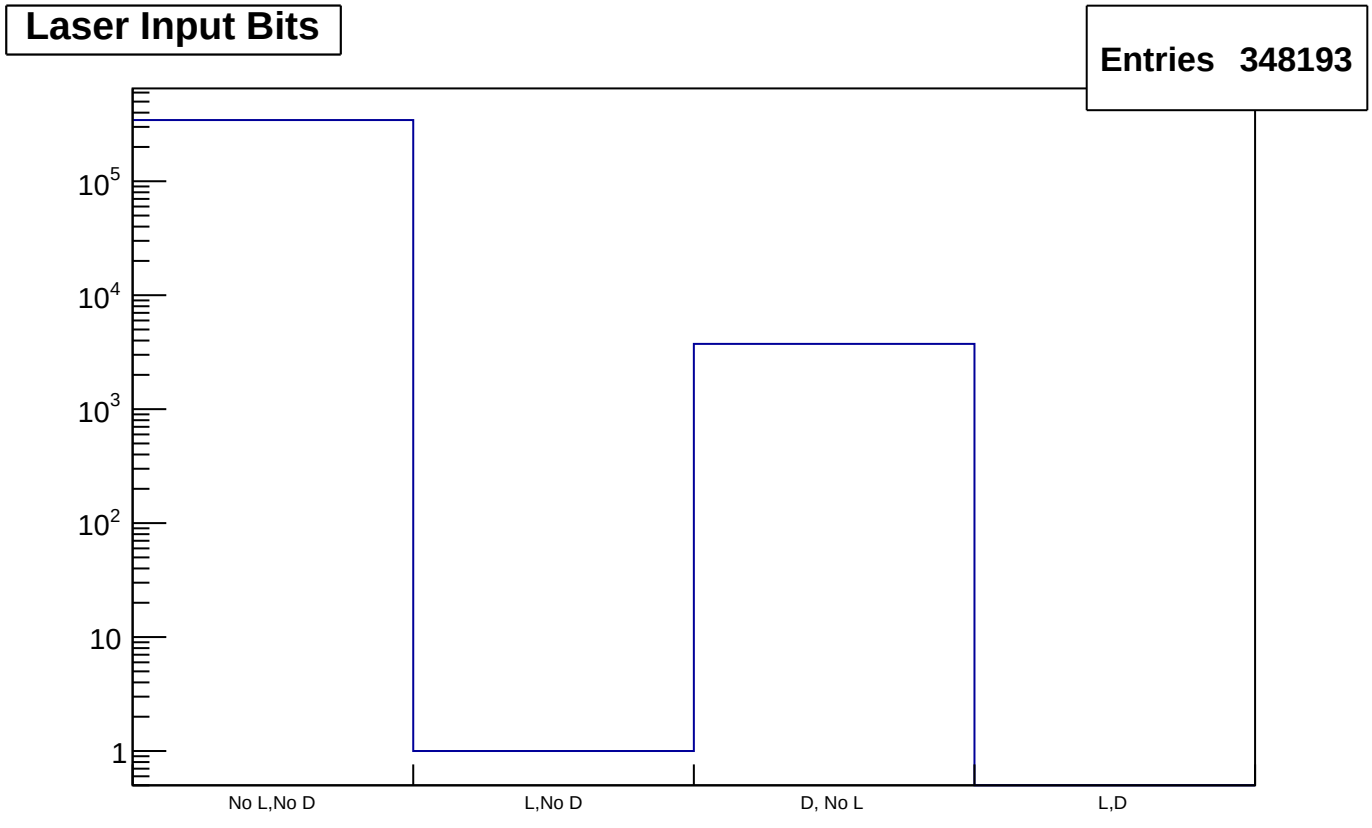

Entries 348193
TOF-Mult
VPD-West ADC Sum

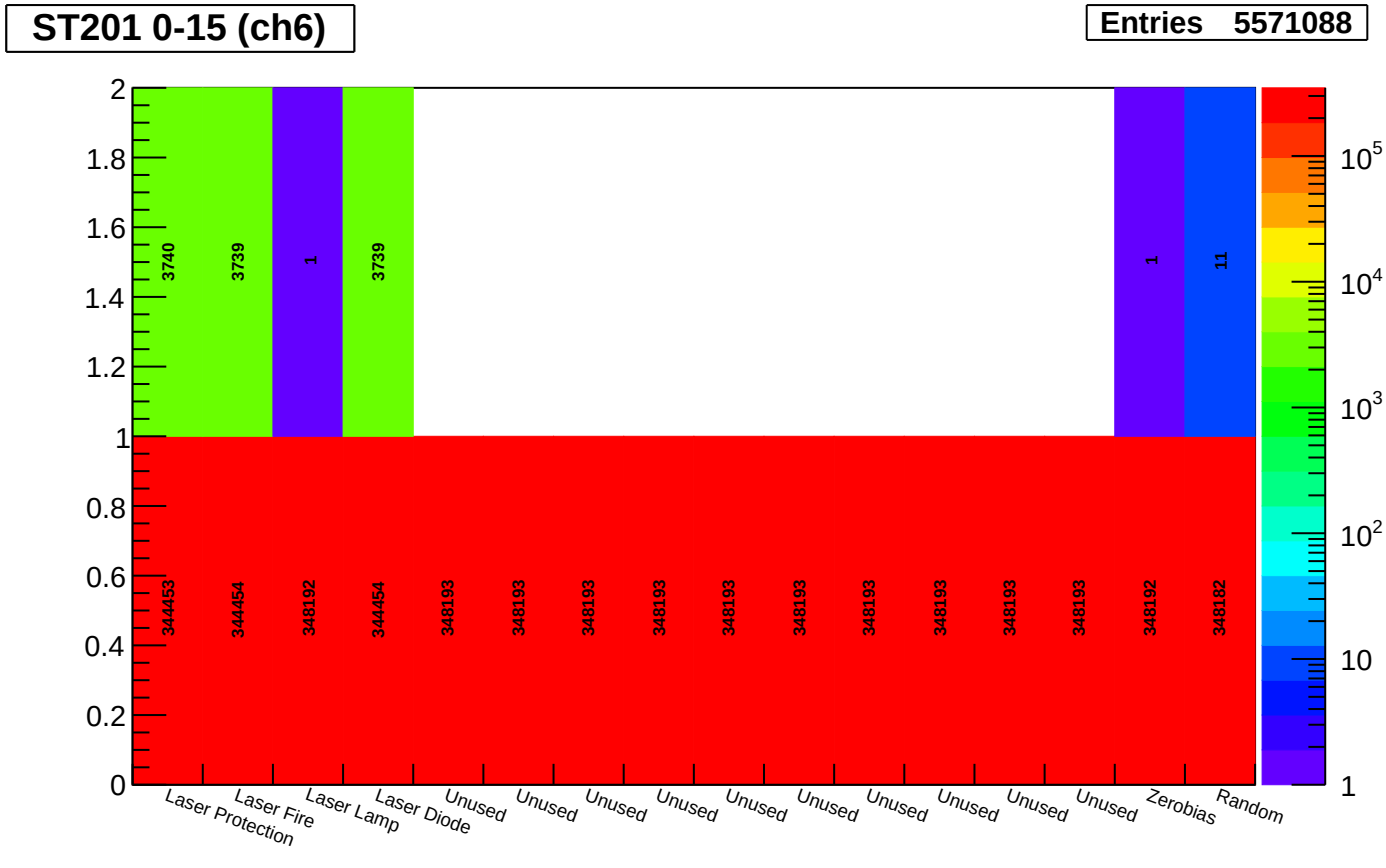

Entries 348193
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

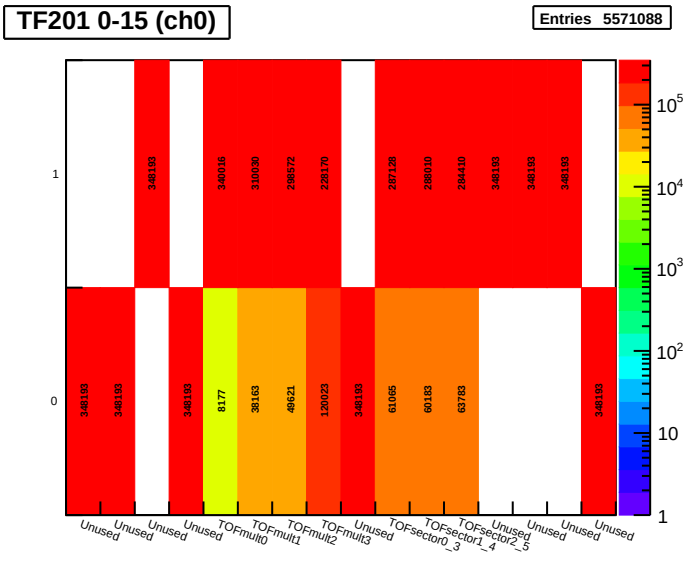

Entries 348193
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

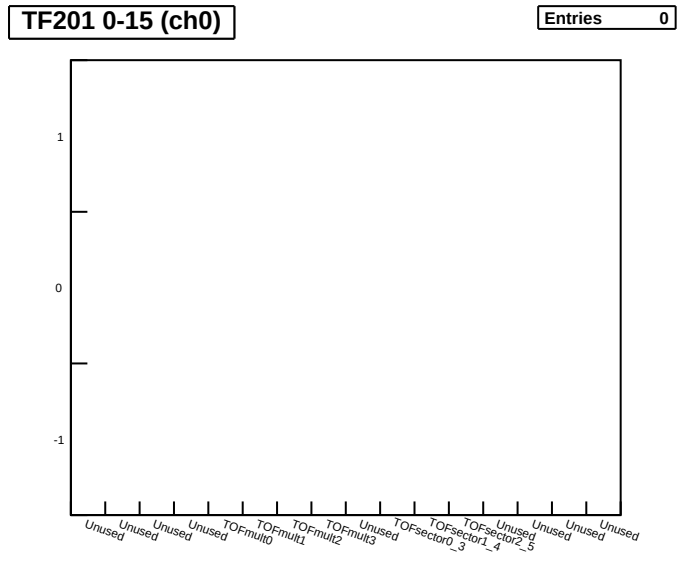

Entries 348193
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

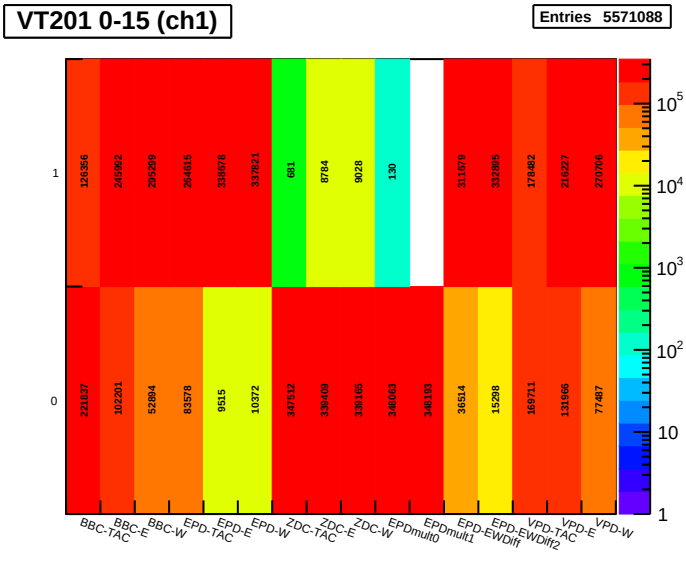

Entries 348193
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

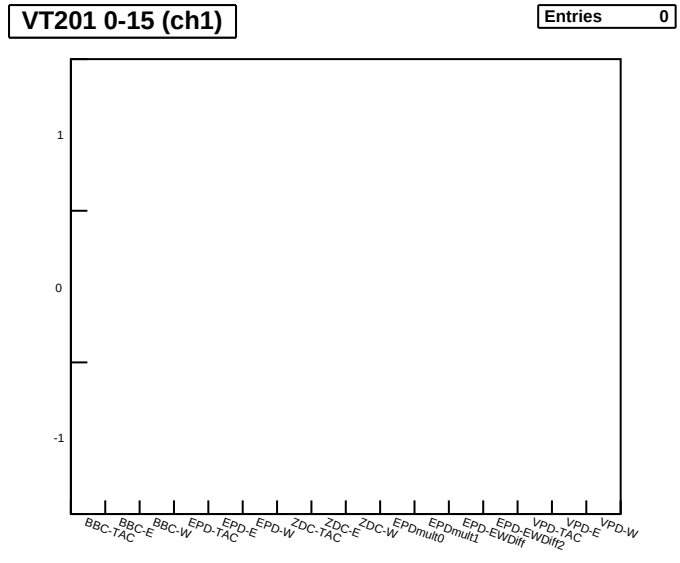

Laser Input Bits
Entries 348193
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

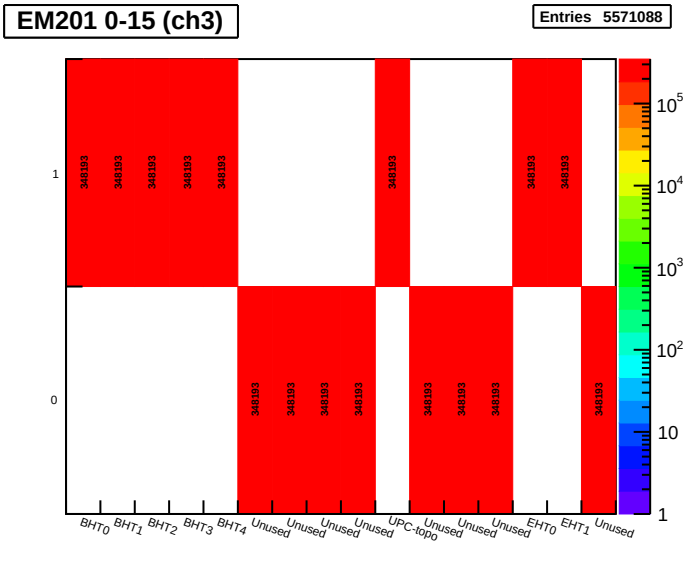

ST201 0-15 (ch6)
Entries 5571088
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3740
3739
1
3739
1
11
344453
344454
348192
344454
348193
348193
348193
348193
348193
348193
348193
348193
348193
348193
348192
348182
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

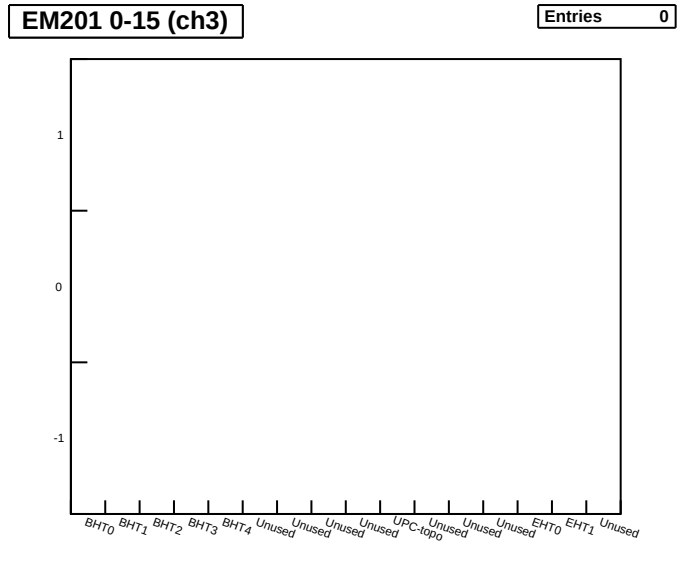

TF201 0-15 (ch0)
Entries 5571088
1
0
348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193
8177 38163 49621 120023 61065 60183 63783
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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 5571088
1
0
126356 245992 295299 284615 338678 337821 681 8784 9028 130 311679 332895 178482 216227 270706
221837 102201 52894 83578 9515 10372 347512 339409 339165 348063 348193 36514 15298 169711 131966 77487
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 10 10^2 10^3 10^4 10^5


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 5571088
1
0
348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193 348193
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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