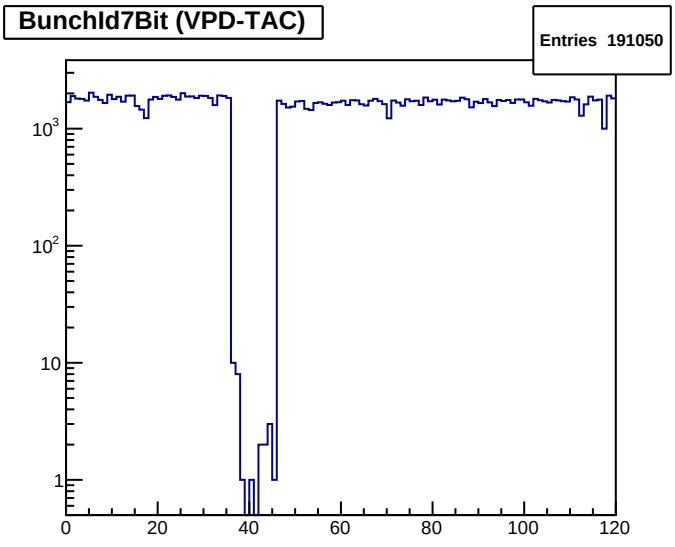
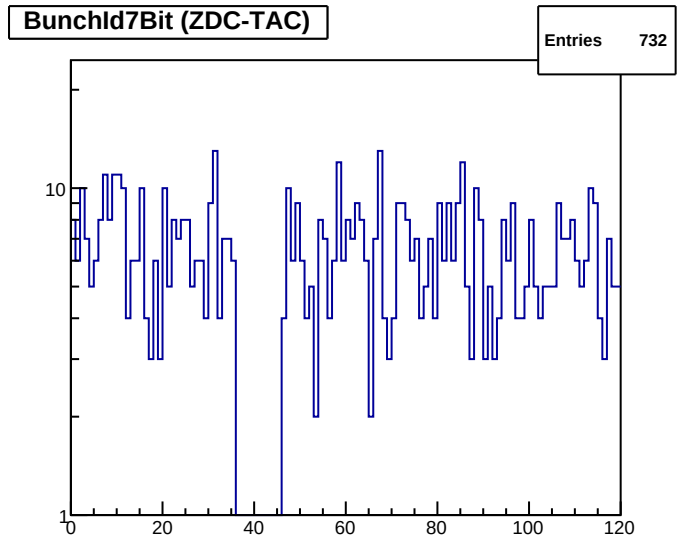
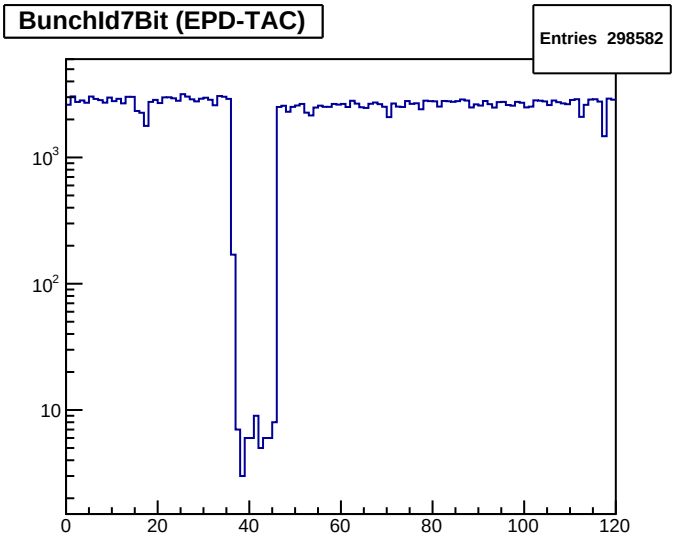
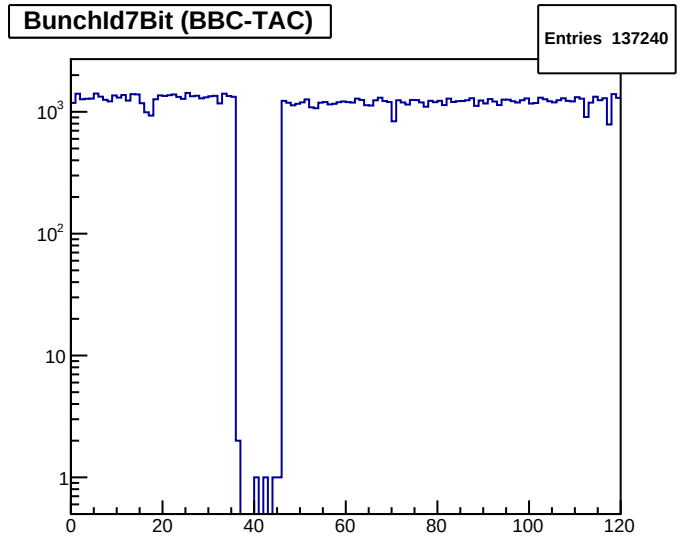
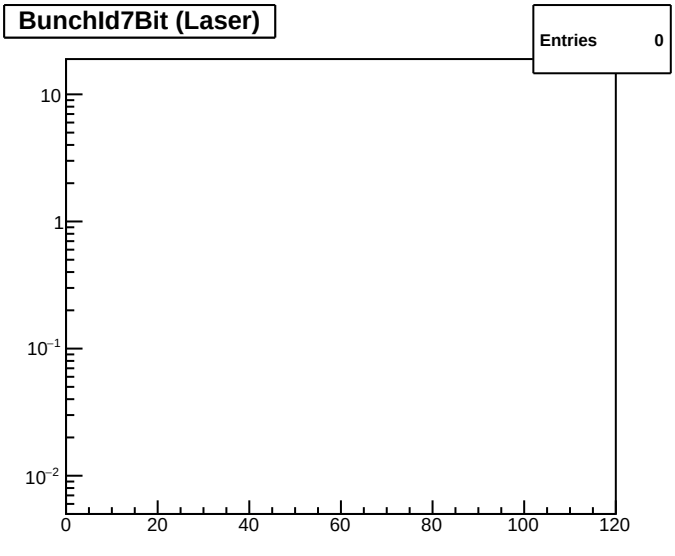
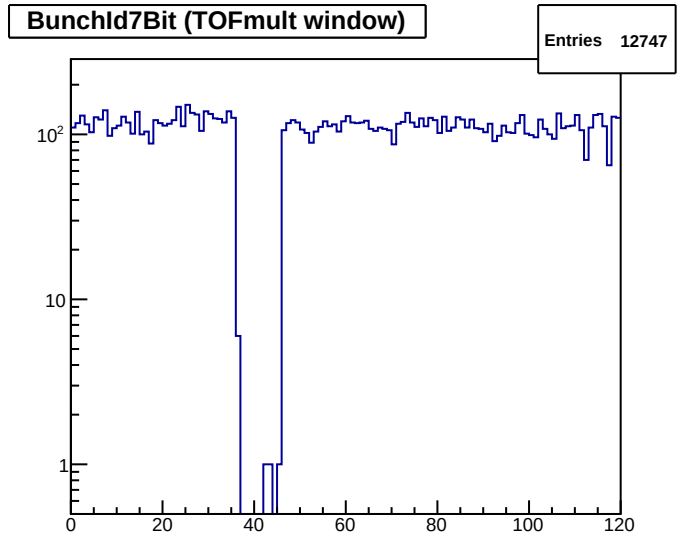

BunchId7Bit (VPD-TAC)
Entries 191050

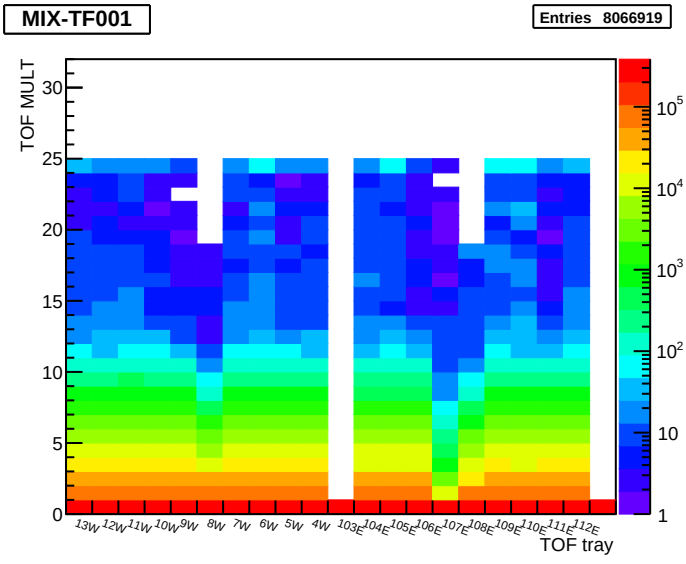

BunchId7Bit (ZDC-TAC)
Entries 732

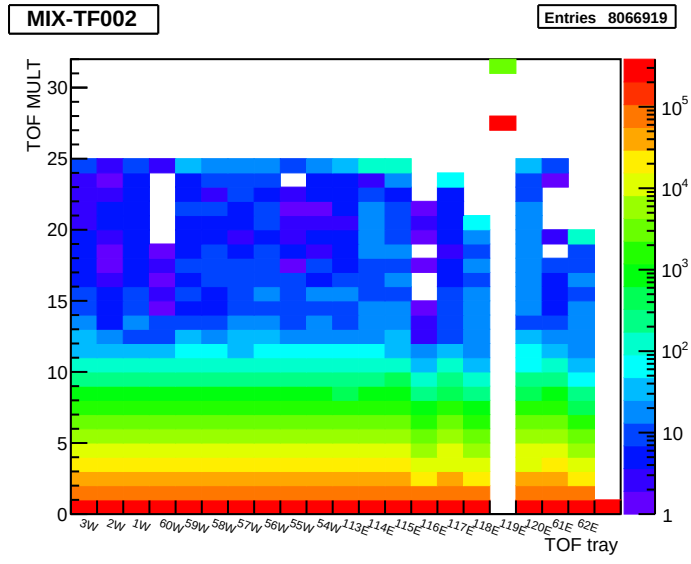

BunchId7Bit (EPD-TAC)
Entries 298582

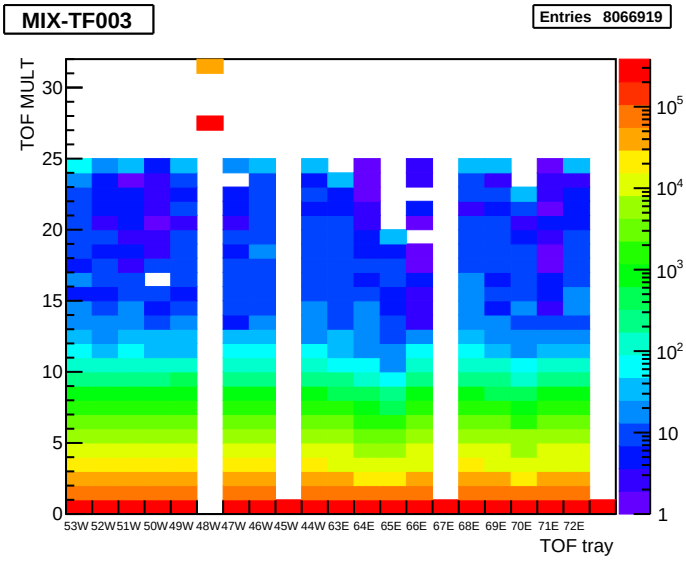

BunchId7Bit (BBC-TAC)
Entries 137240

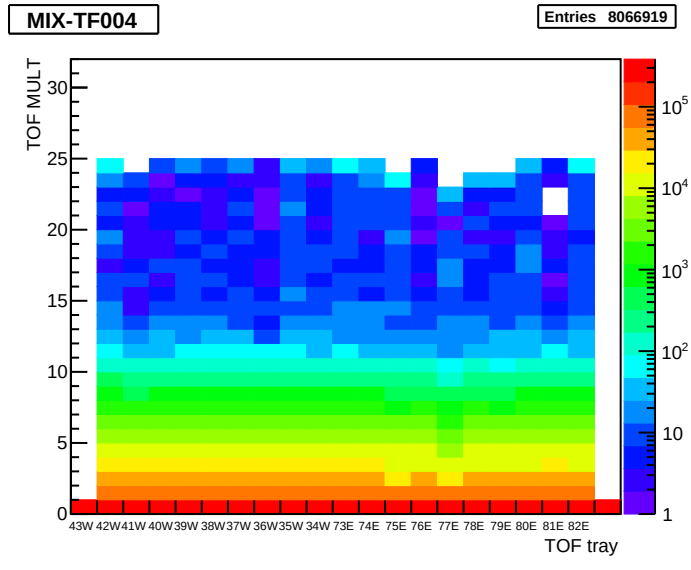

BunchId7Bit (Laser)
Entries 0

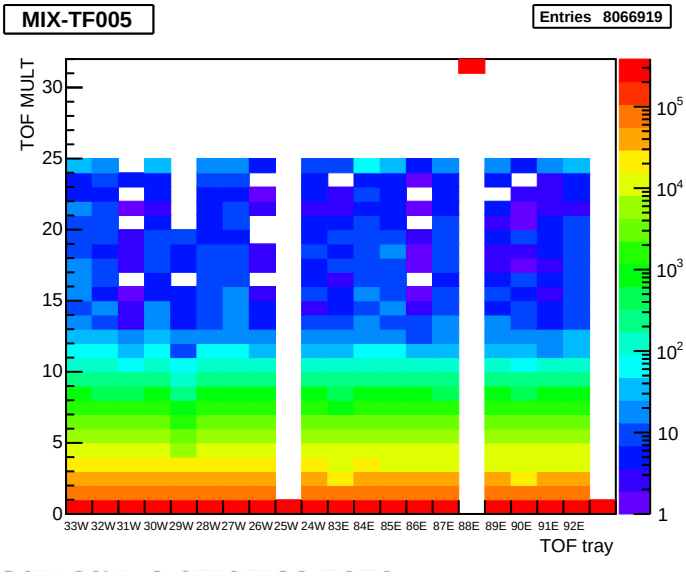

BunchId7Bit (TOFmult window)
Entries 12747

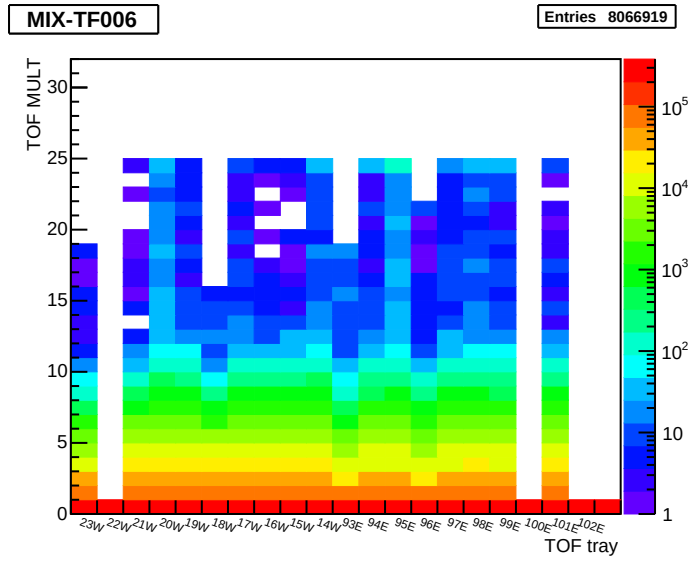

MIX-TF001
Entries 8066919
TOF MULT
TOF tray

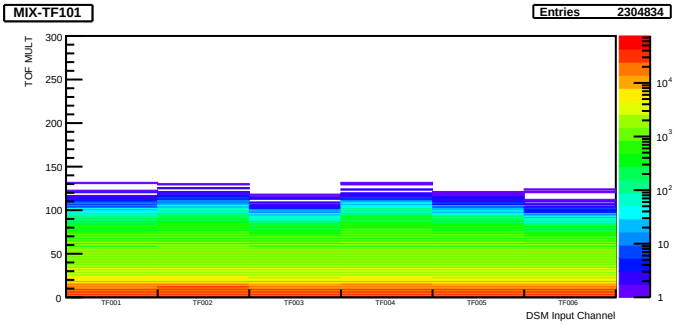

MIX-TF002
Entries 8066919
TOF MULT
TOF tray

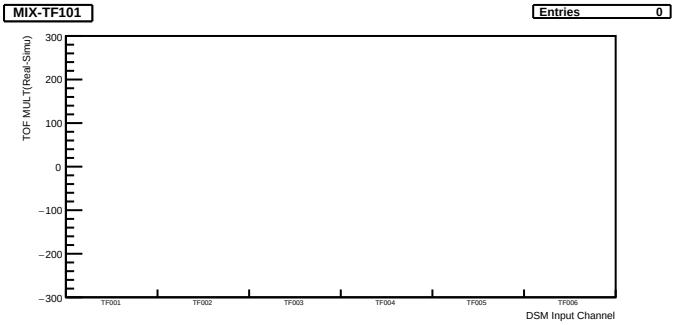

MIX-TF003
Entries 8066919
TOF MULT
TOF tray

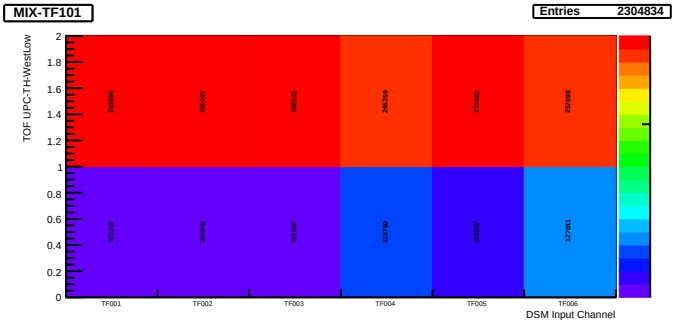

MIX-TF004
Entries 8066919
TOF MULT
TOF tray

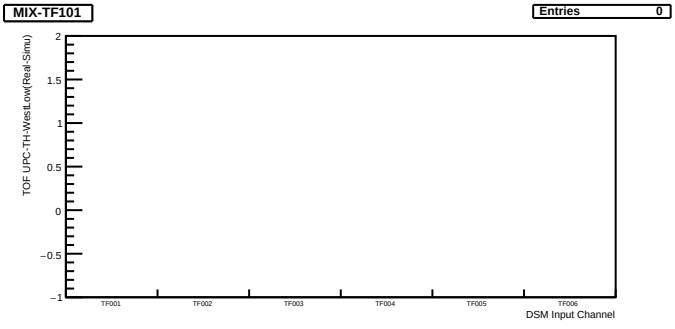

MIX-TF005
Entries 8066919
TOF MULT
TOF tray

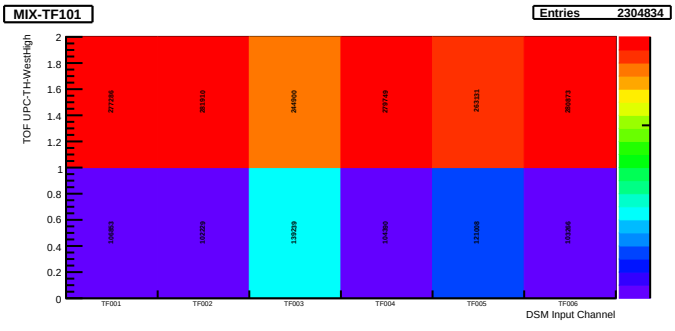

MIX-TF006
Entries 8066919
TOF MULT
TOF tray

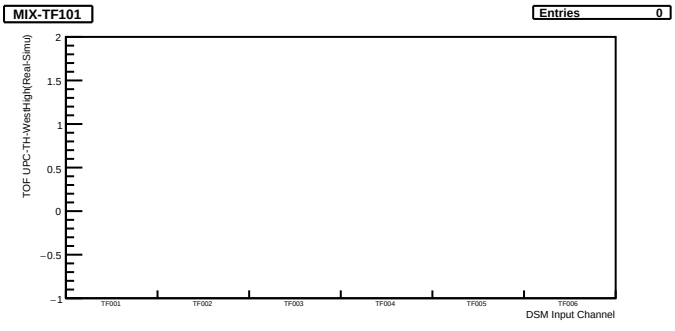

MIX-TF101
Entries 2304834
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

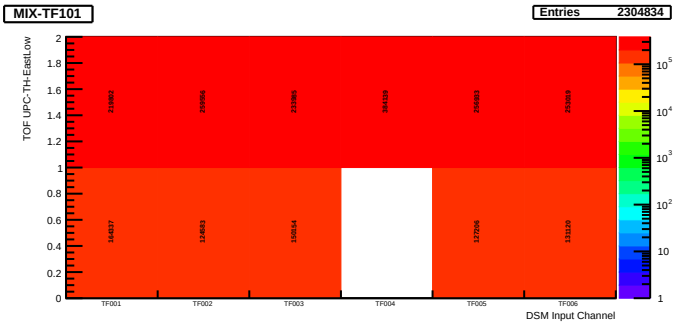

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

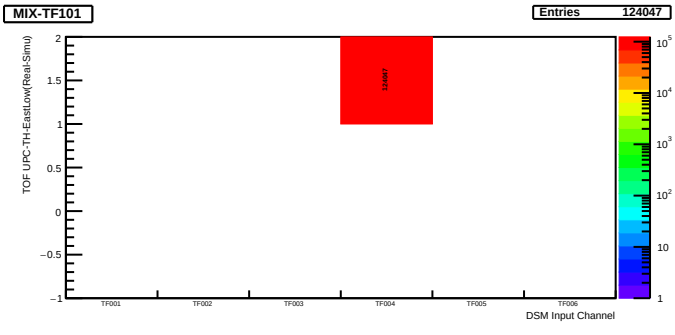

MIX-TF101
Entries 2304834
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

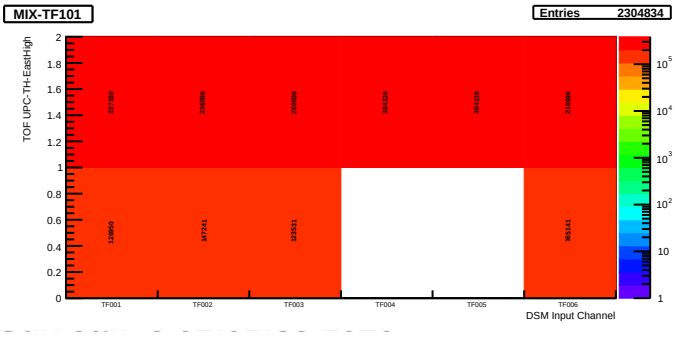

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

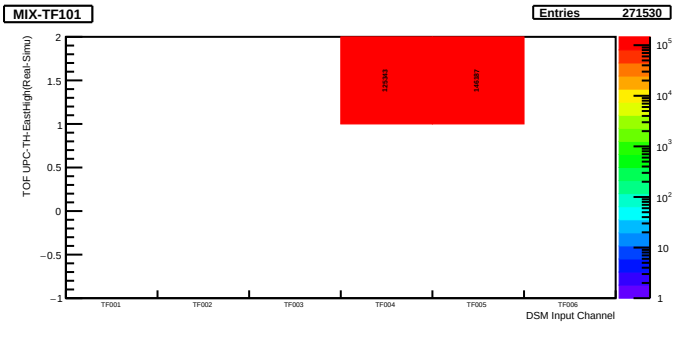

MIX-TF101
Entries 2304834
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

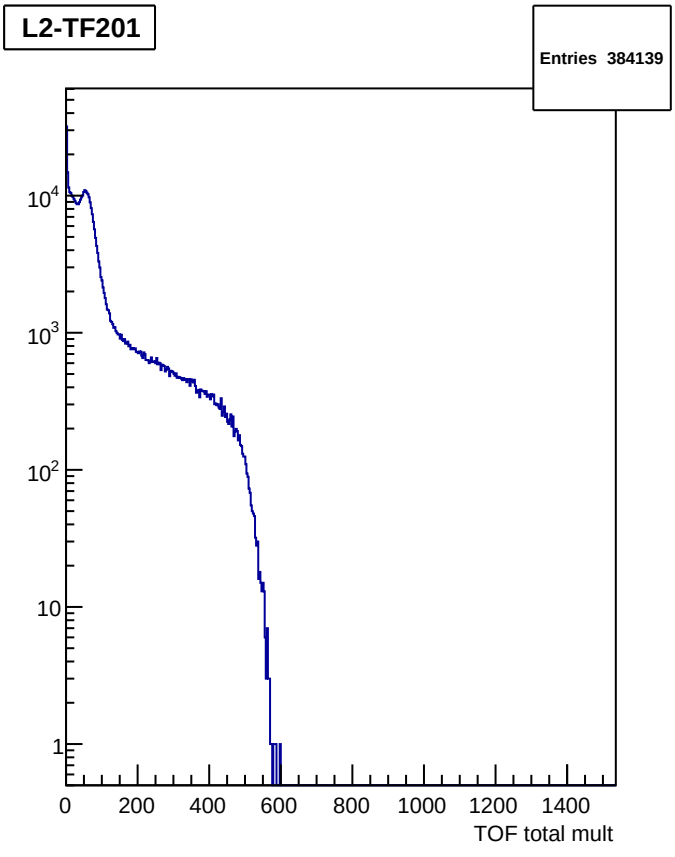

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

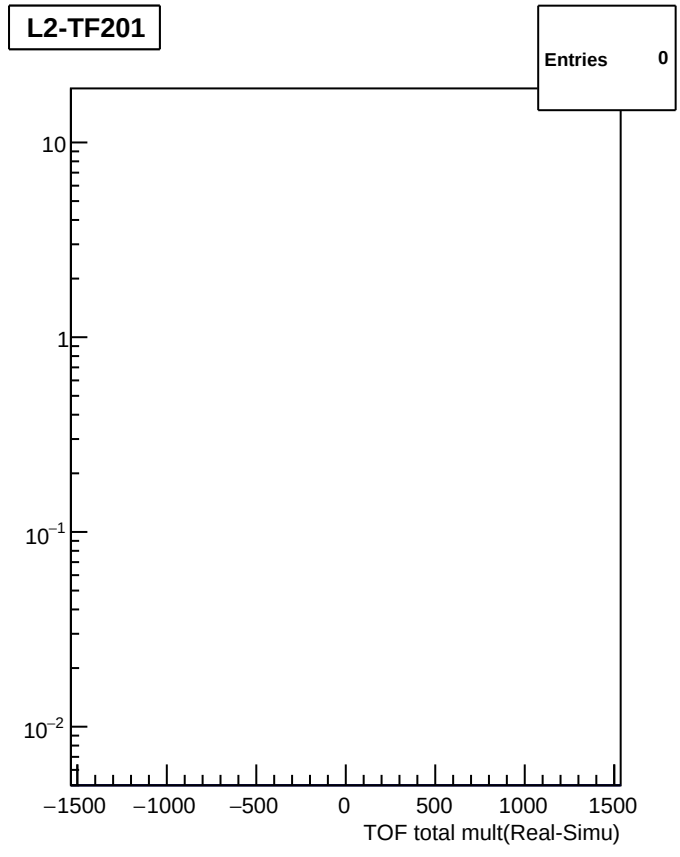

MIX-TF101
Entries 2304834
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

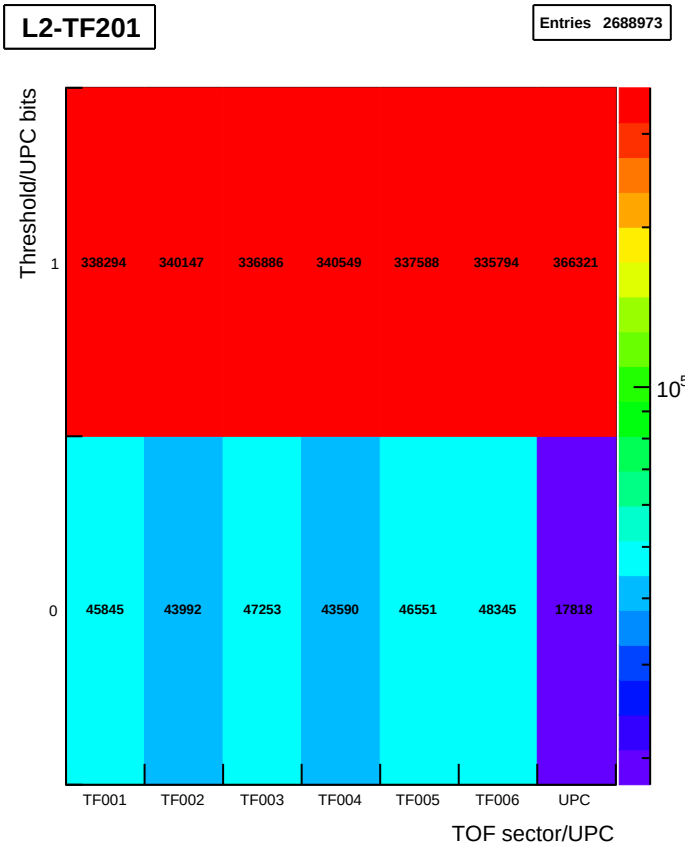

MIX-TF101
Entries 124047
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

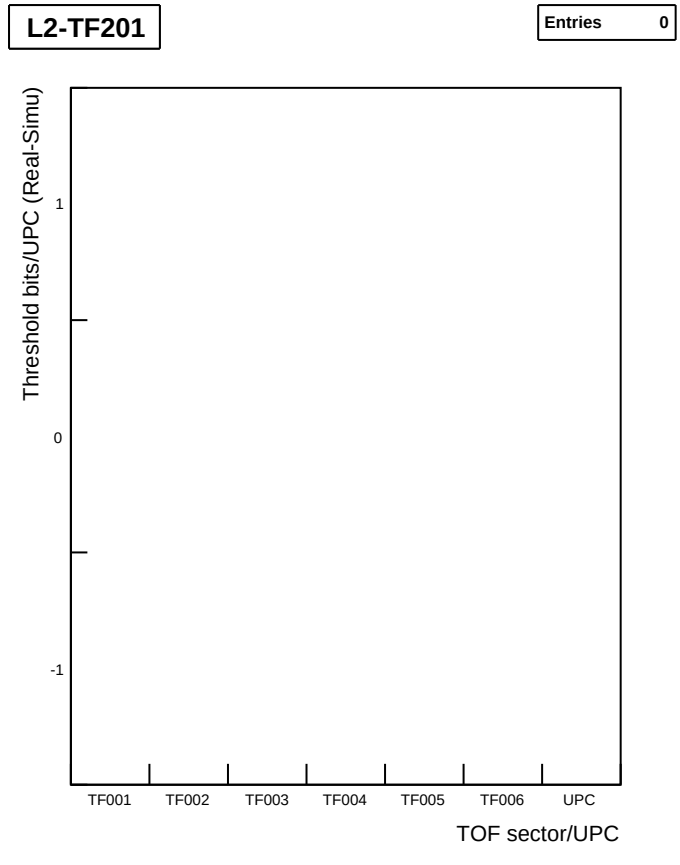

MIX-TF101
Entries 2304834
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

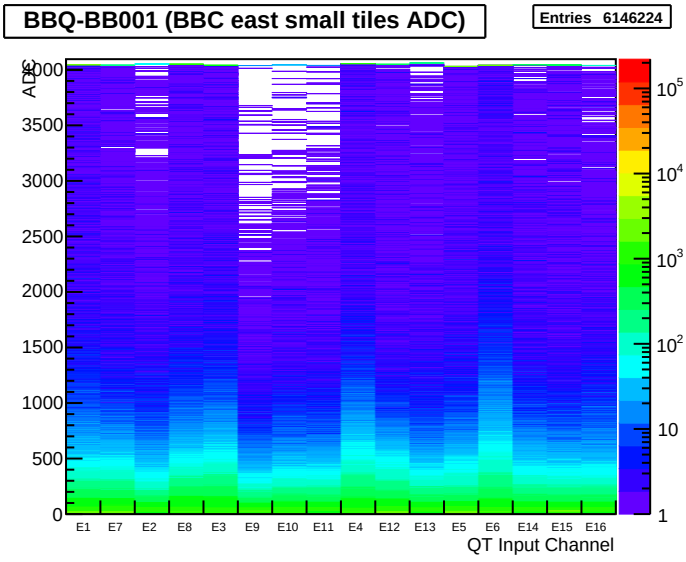

MIX-TF101
Entries 271530
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

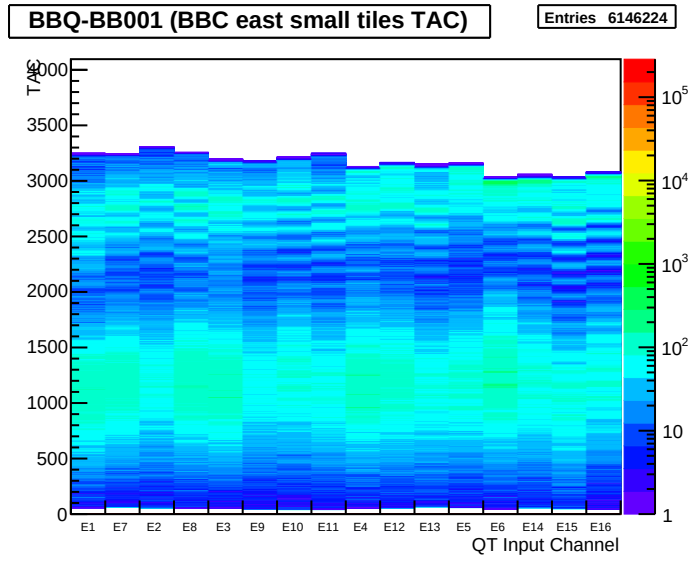

L2-TF201
Entries 384139
TOF total mult

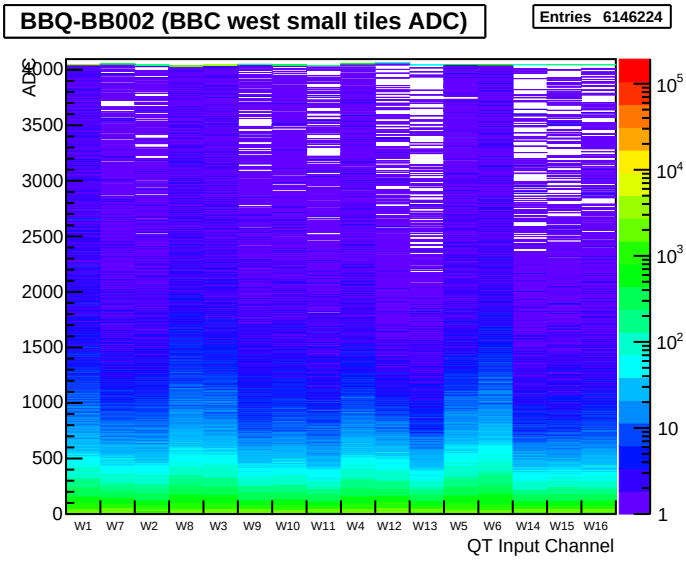

L2-TF201
Entries 0
TOF total mult(Real-Simu)

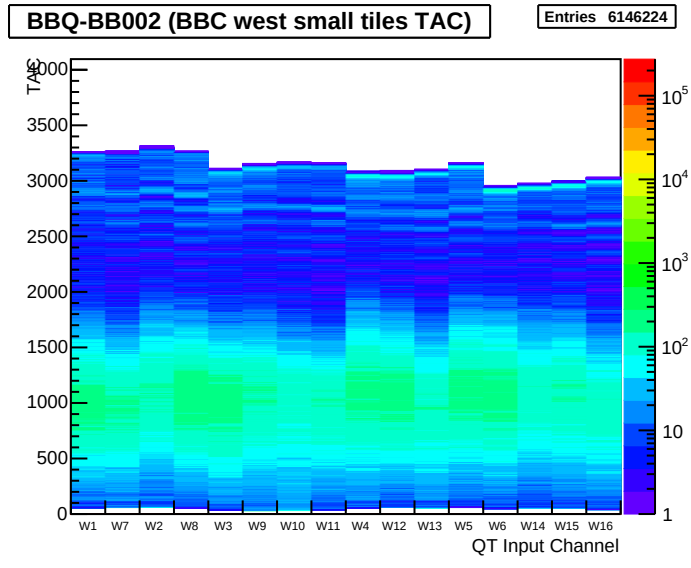

L2-TF201
Entries 2688973
Threshold/UPC bits
338294
340147
336886
340549
337588
335794
366321
45845
43992
47253
43590
46551
48345
17818
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

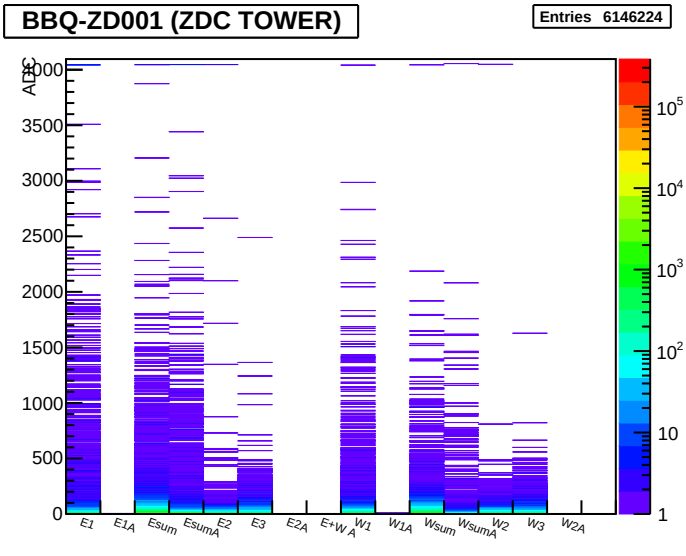

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

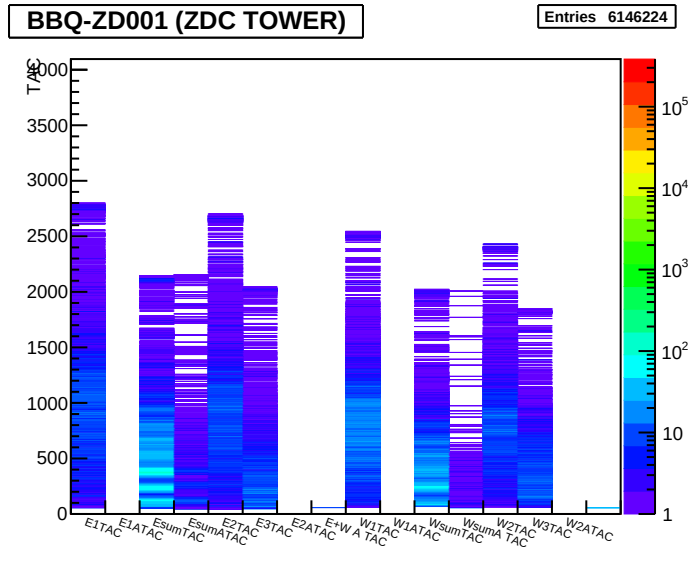

BBQ-BB001 (BBC east small tiles ADC)
Entries 6146224
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

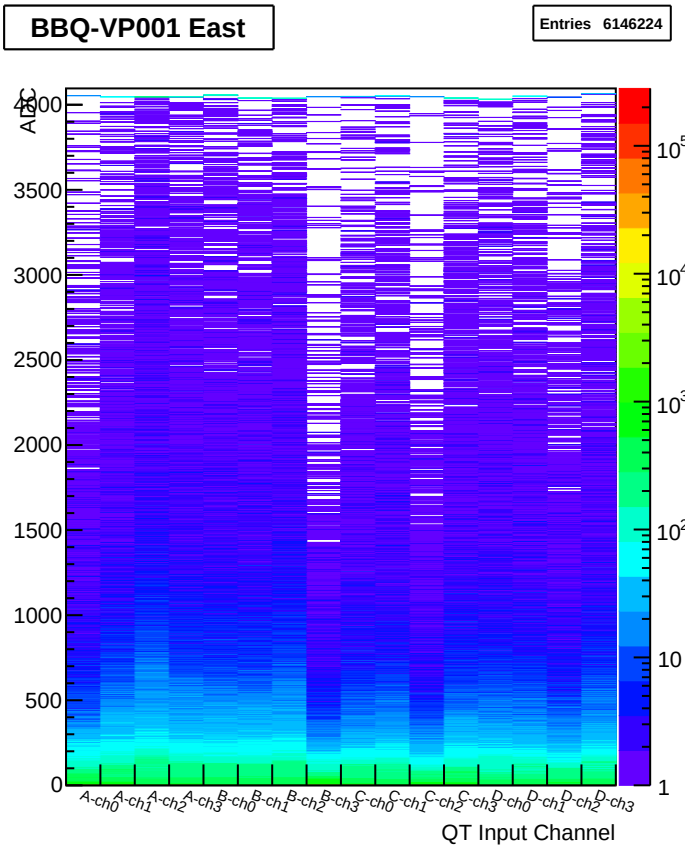

BBQ-BB001 (BBC east small tiles TAC)
Entries 6146224
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

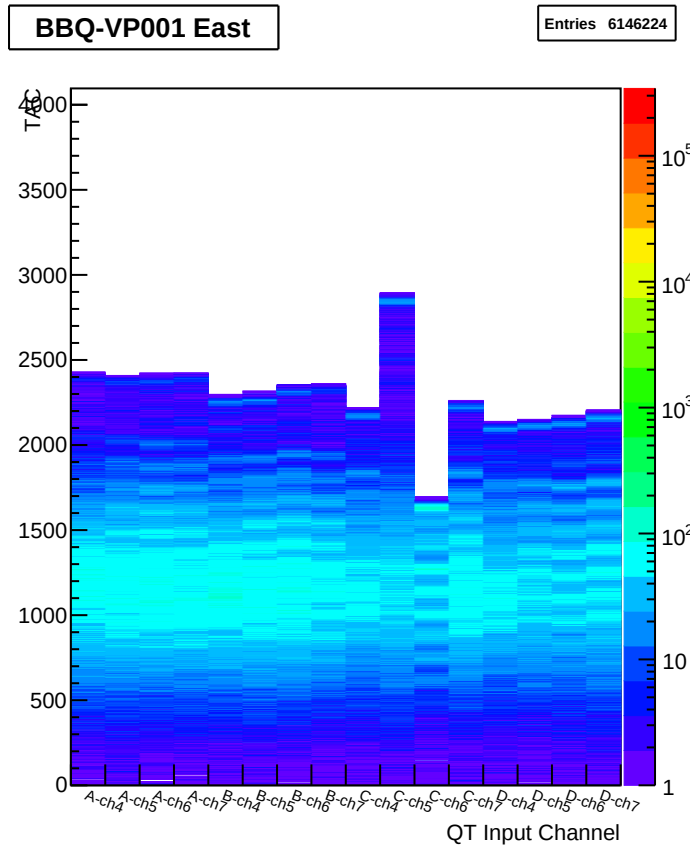

BBQ-BB002 (BBC west small tiles ADC)
Entries 6146224
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

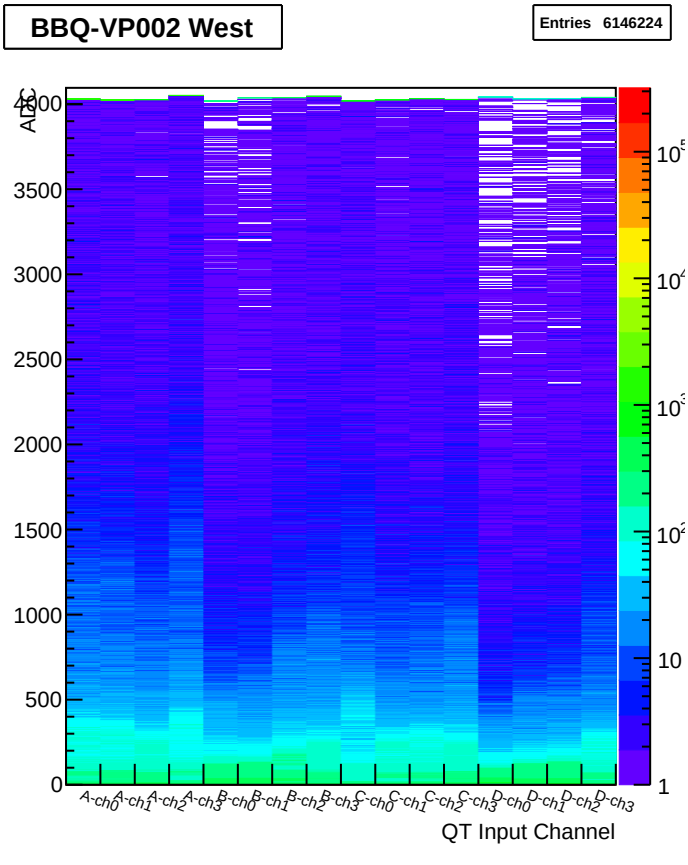

BBQ-BB002 (BBC west small tiles TAC)
Entries 6146224
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

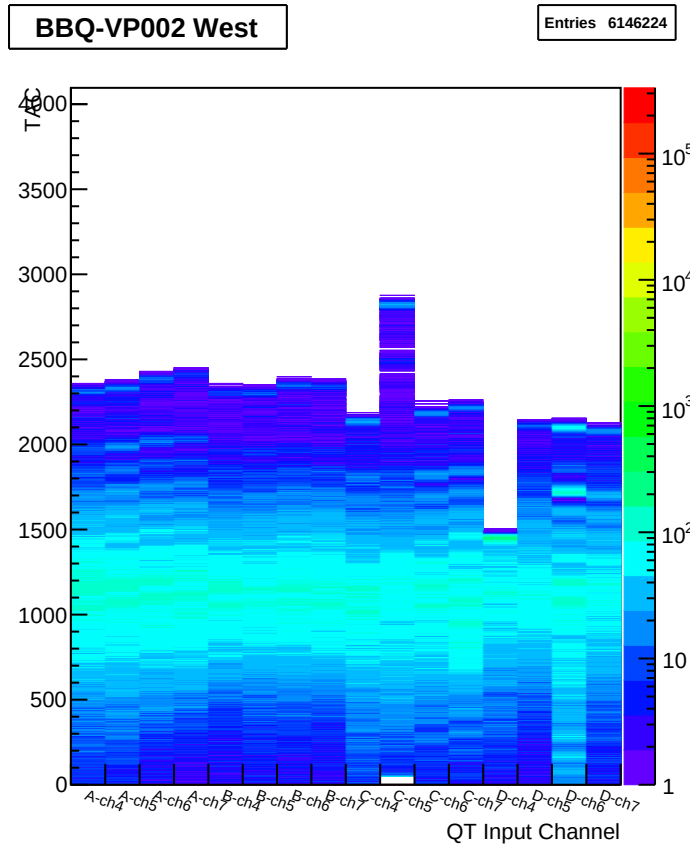

BBQ-ZD001 (ZDC TOWER)
Entries 6146224
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

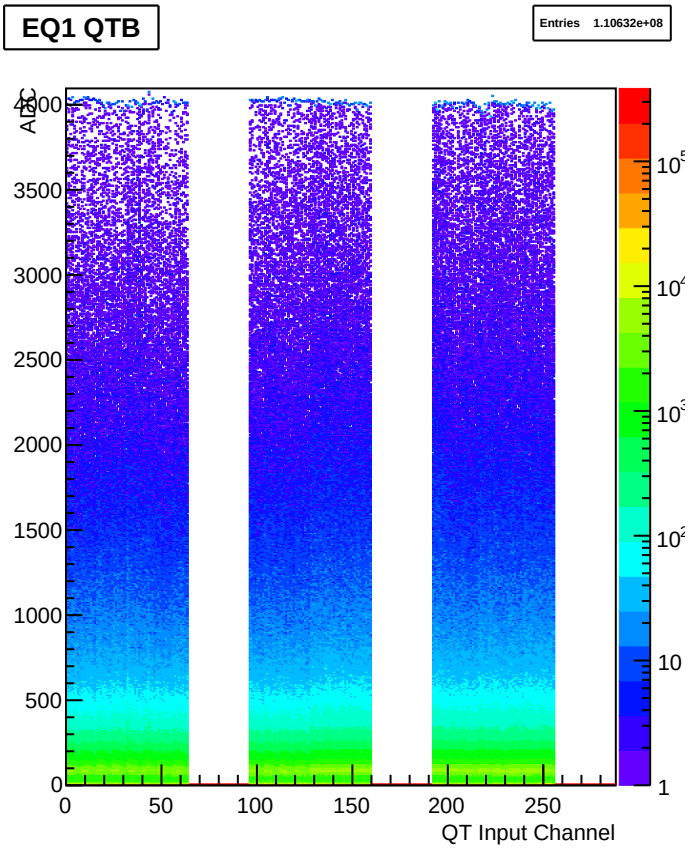

BBQ-ZD001 (ZDC TOWER)
Entries 6146224
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

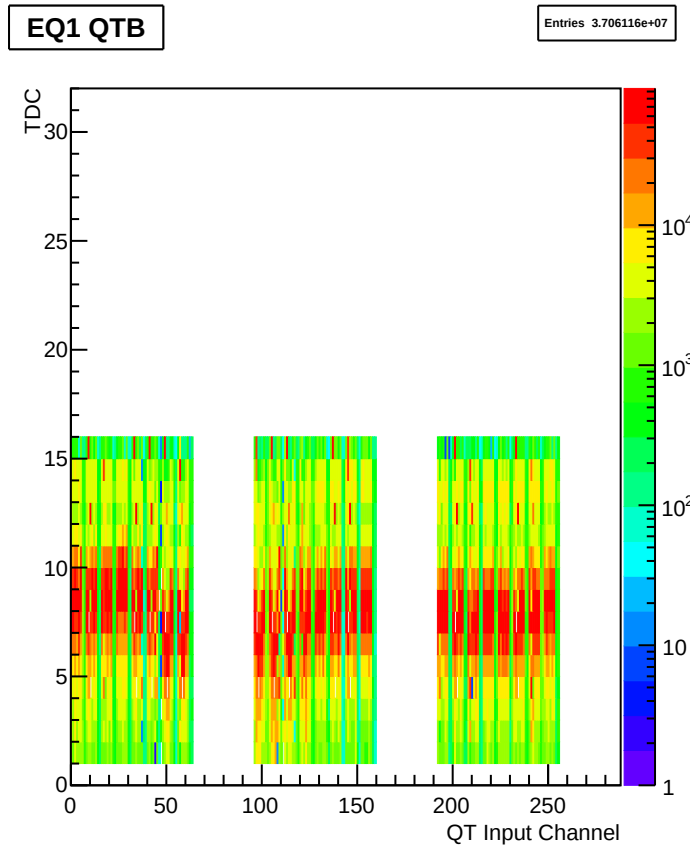

BBQ-VP001 East
Entries 6146224
ADC
QT Input Channel

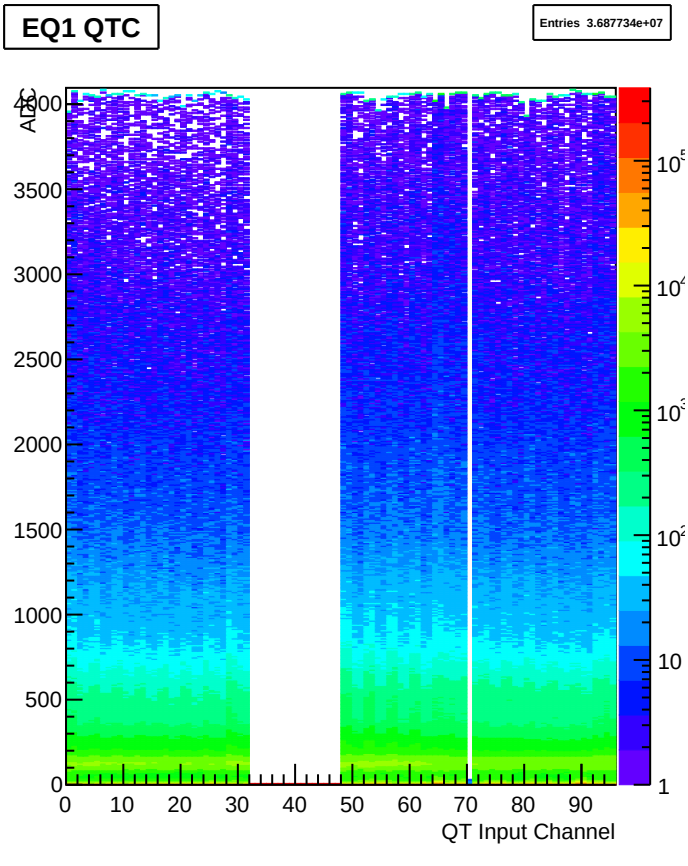

BBQ-VP001 East
Entries 6146224
TADC
QT Input Channel

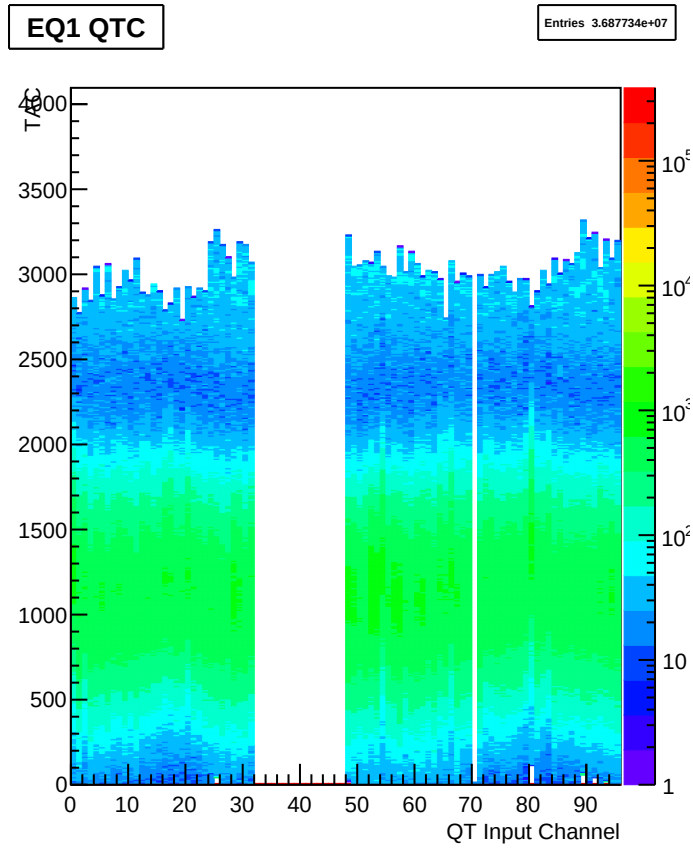

BBQ-VP002 West
Entries 6146224
ADC
QT Input Channel

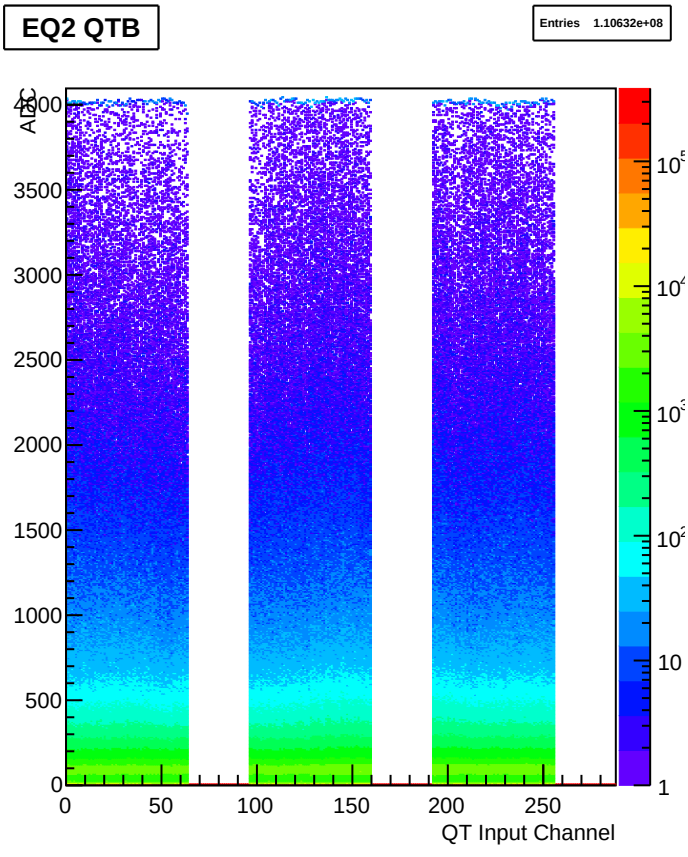

BBQ-VP002 West
Entries 6146224
TADC
QT Input Channel

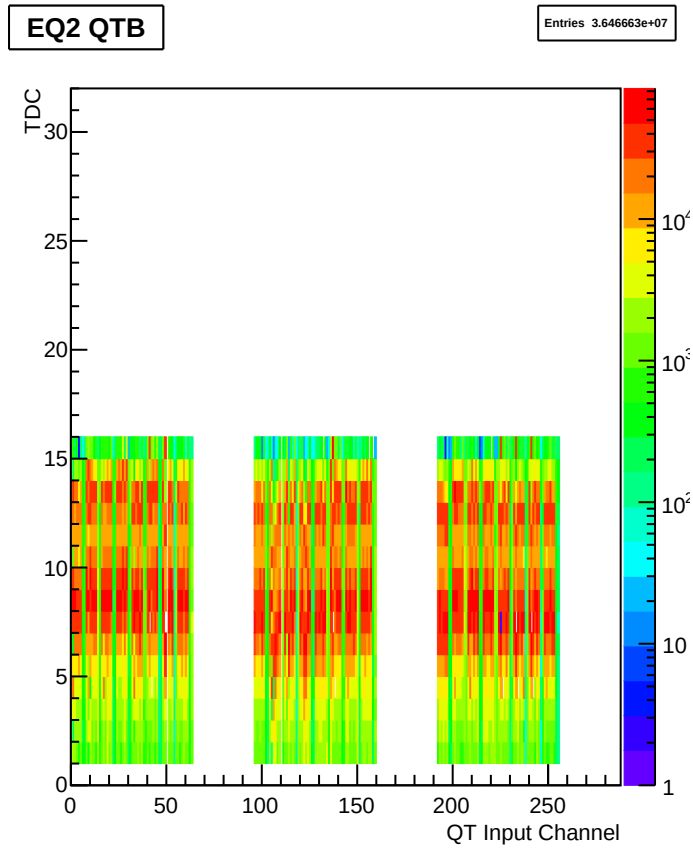

EQ1 QTB
Entries 1.10632e+08
ADC
QT Input Channel

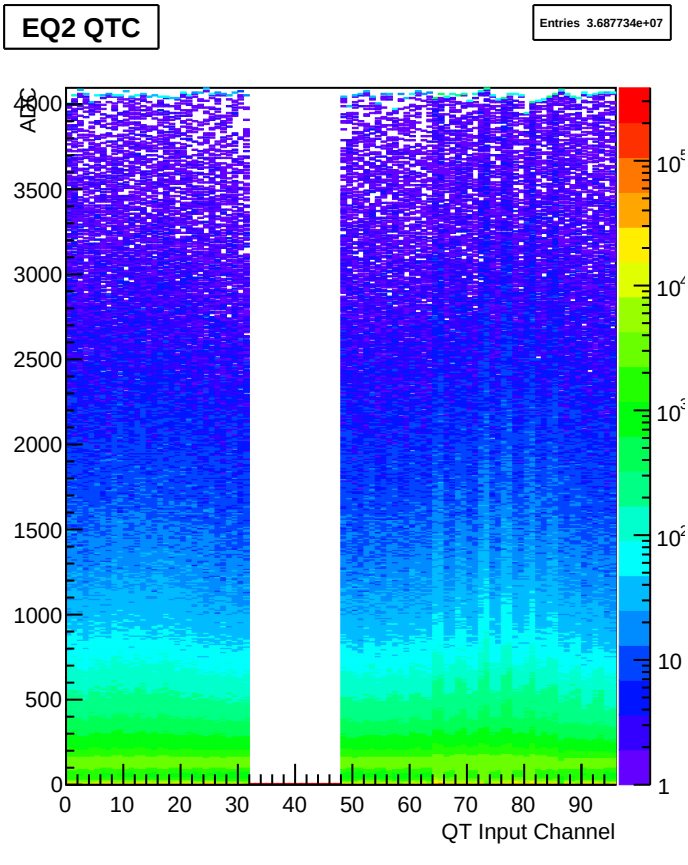

EQ1 QTB
Entries 3.706116e+07
TDC
QT Input Channel

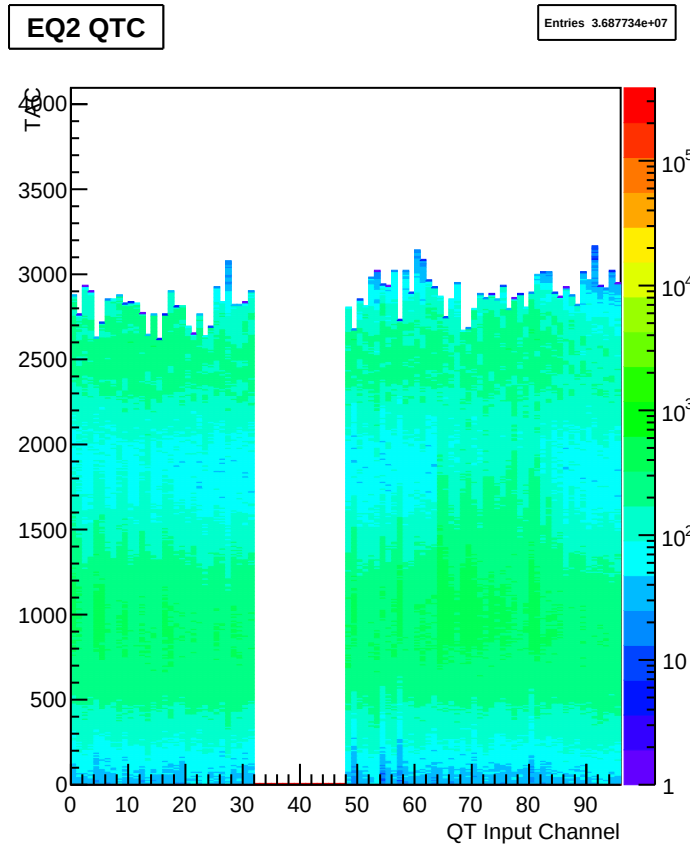

EQ1 QTC
Entries 3.687734e+07
ADC
QT Input Channel

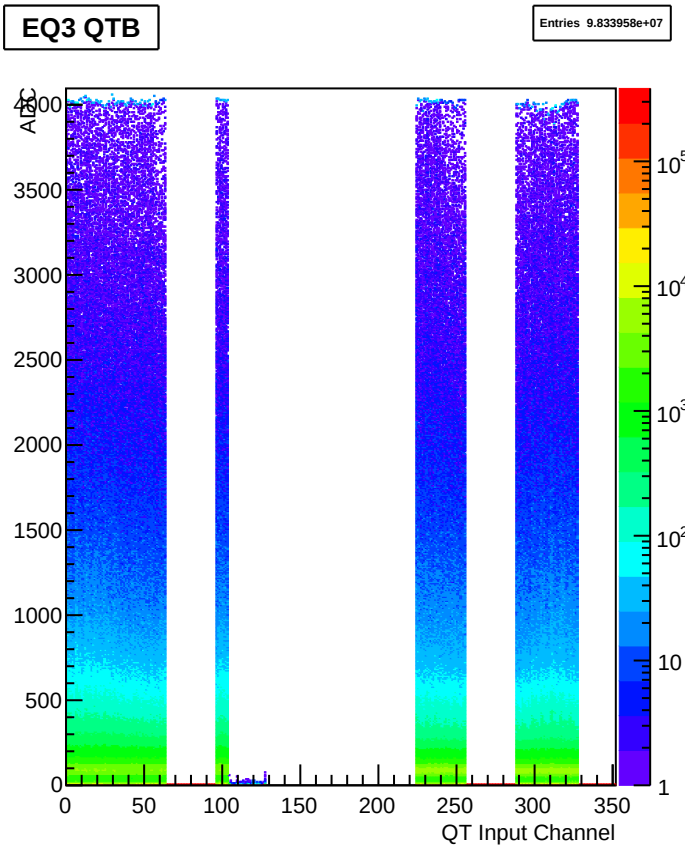

EQ1 QTC
Entries 3.687734e+07
TADC
QT Input Channel

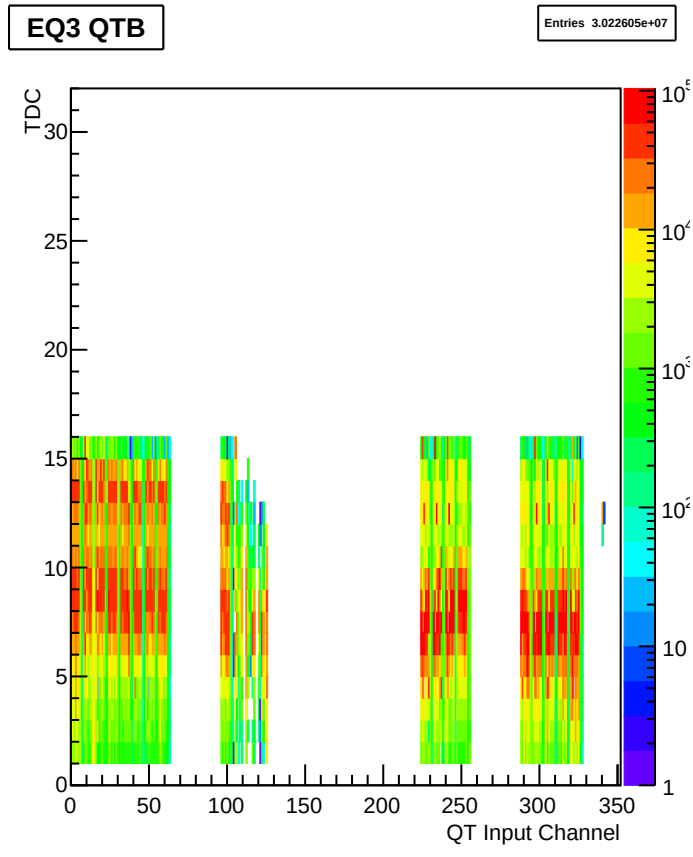

EQ2 QTB
Entries 1.10632e+08
ADC
QT Input Channel

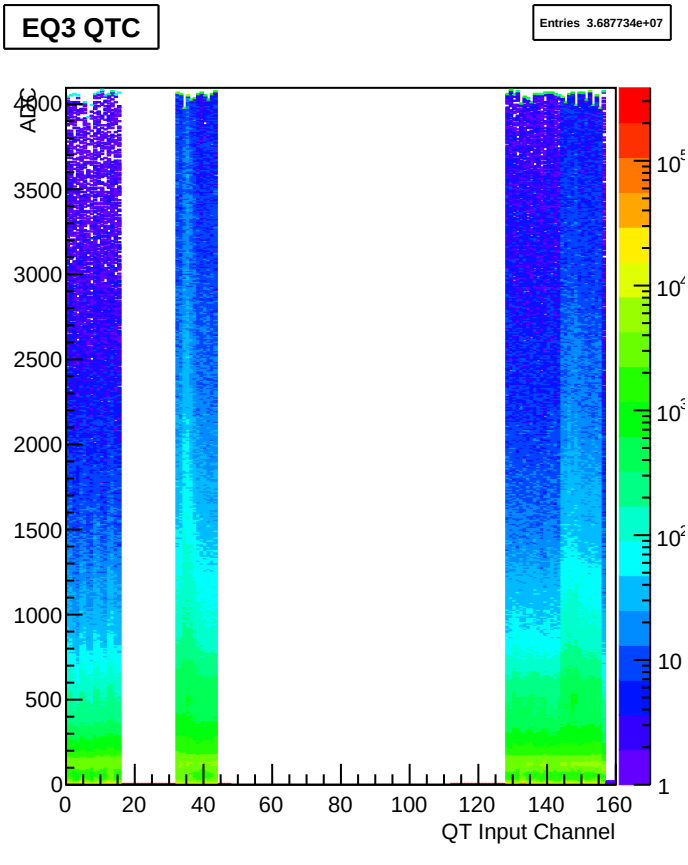

EQ2 QTB
Entries 3.646663e+07
TDC
QT Input Channel

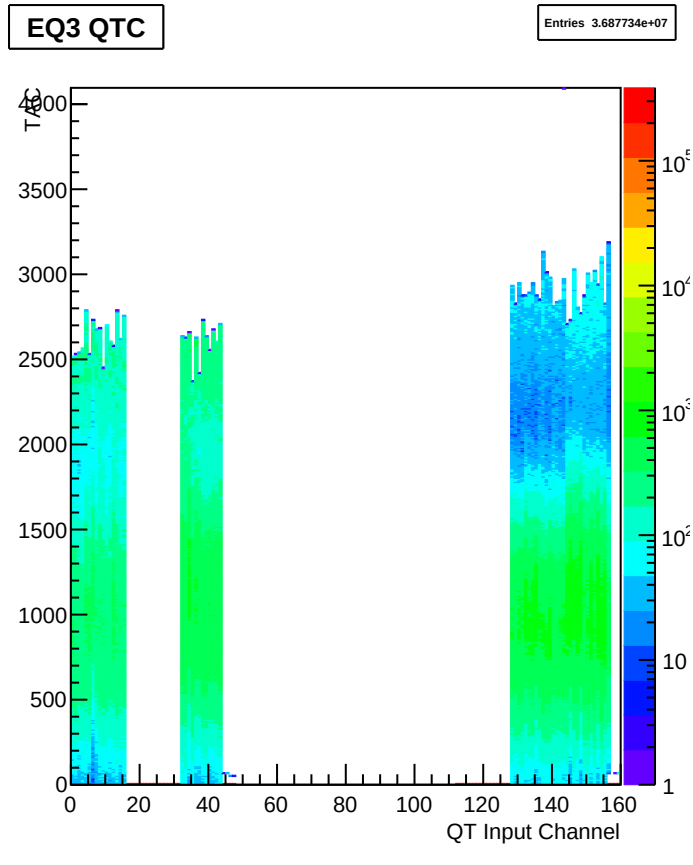

EQ2 QTC
Entries 3.687734e+07
ADC
QT Input Channel

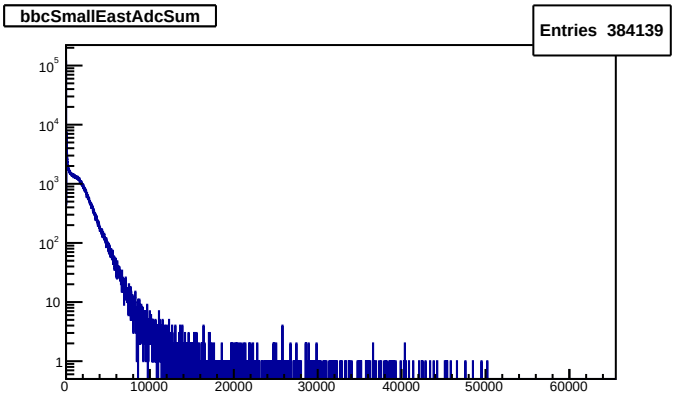

EQ2 QTC
Entries 3.687734e+07
TADC
QT Input Channel

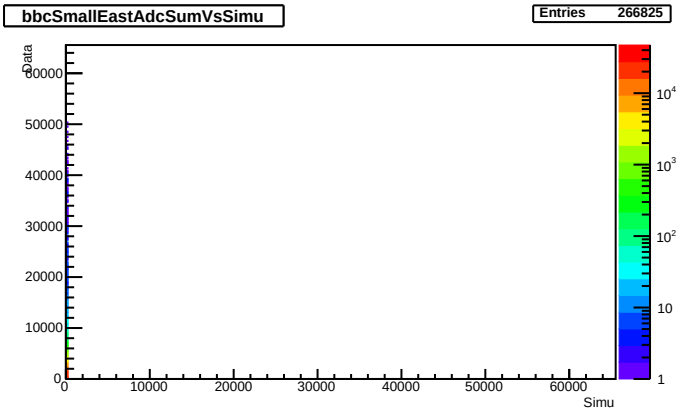

EQ3 QTB
Entries 9.833958e+07
ADC
QT Input Channel

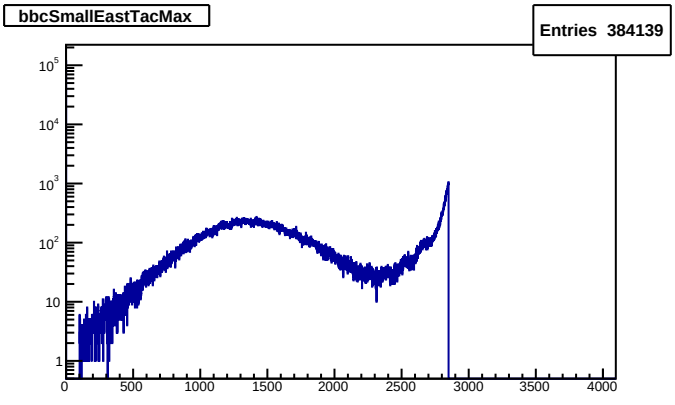

EQ3 QTB
Entries 3.022605e+07
TDC
QT Input Channel

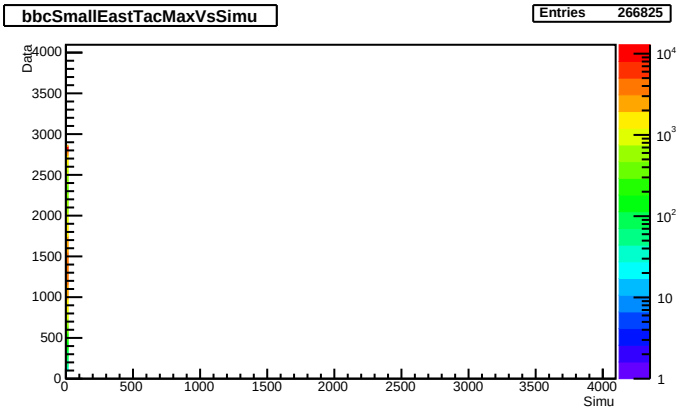

EQ3 QTC
Entries 3.687734e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.687734e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 384139


bbcSmallEastAdcSumVsSimu
Entries 266825
Data
Simu


bbcSmallEastTacMax
Entries 384139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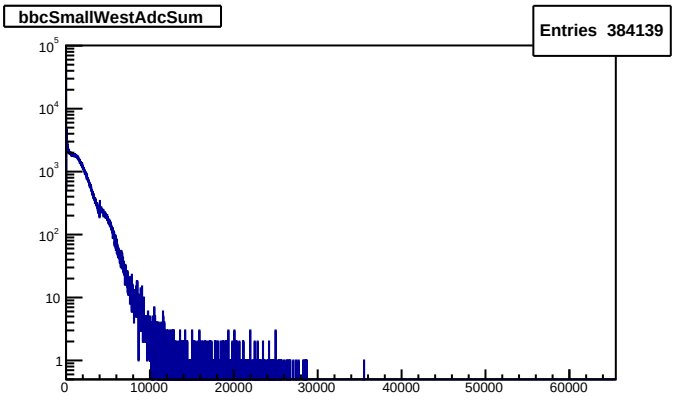
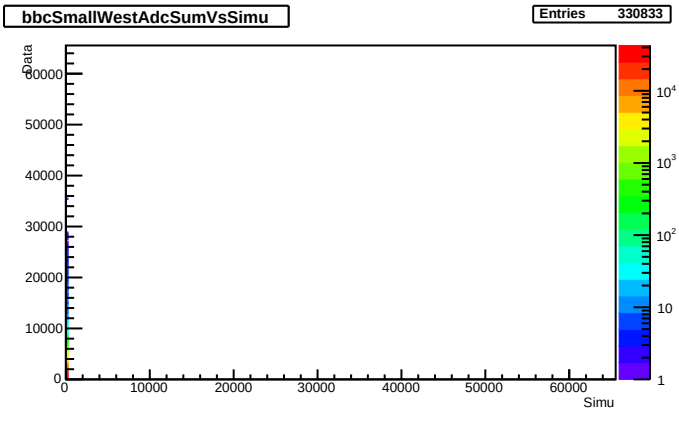
Entries 266825
Data
Simu


bbcSmallWestAdcSum
Entries 384139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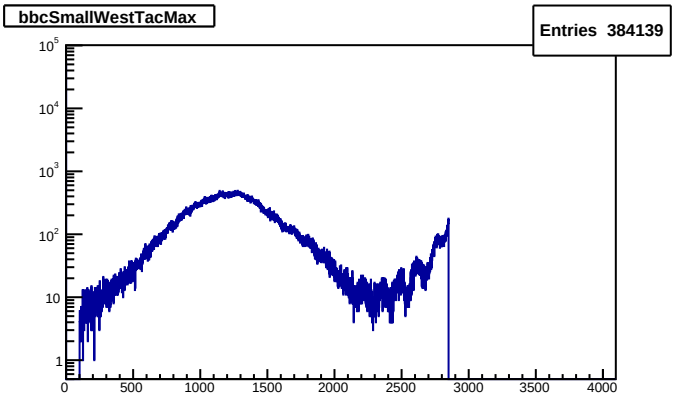
Entries 330833
Data
Simu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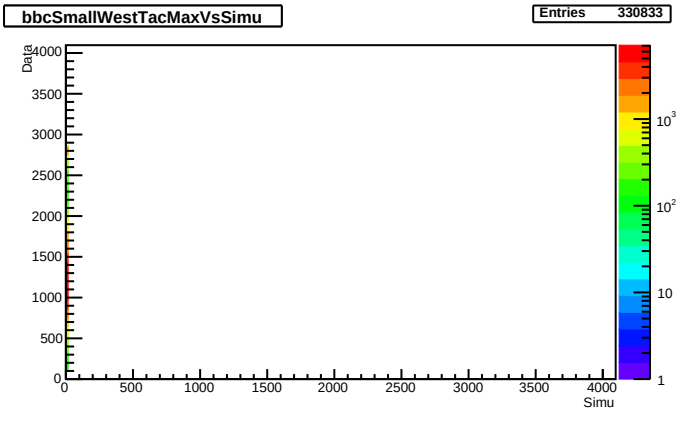
Entries 384139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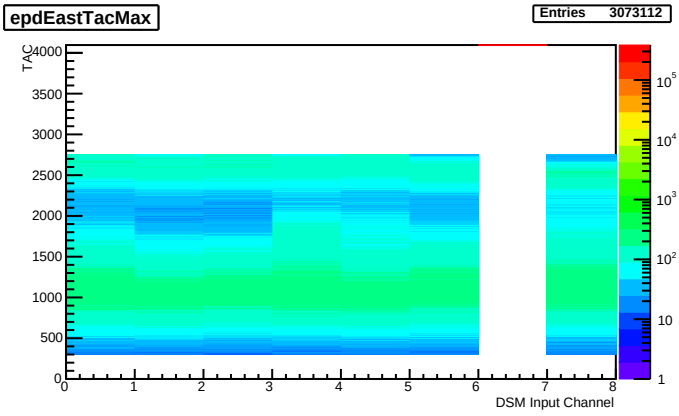
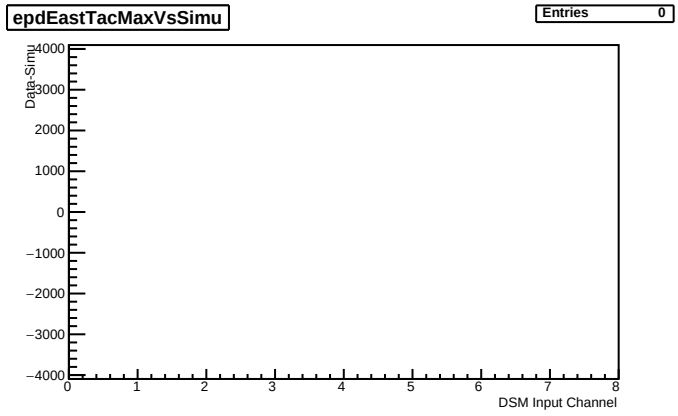
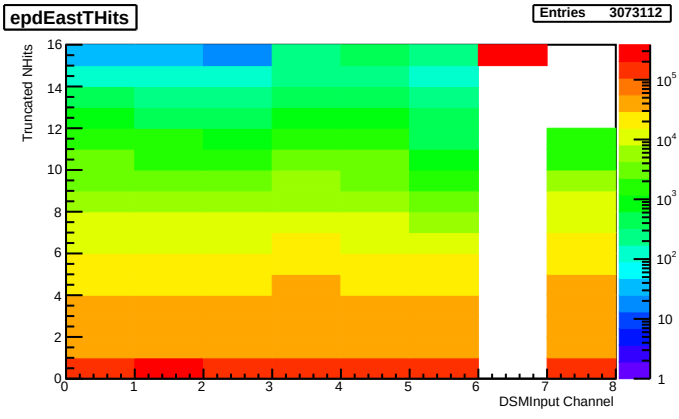
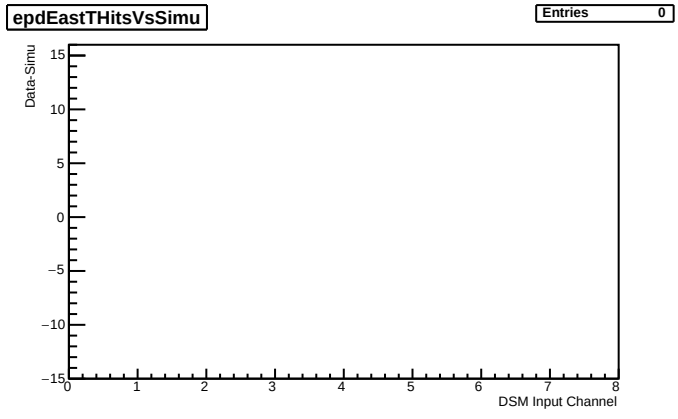
Entries 330833
Data
Simu


epdEastTacMax
Entries 3073112
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3073112
Truncated NHits
DSMInput Channel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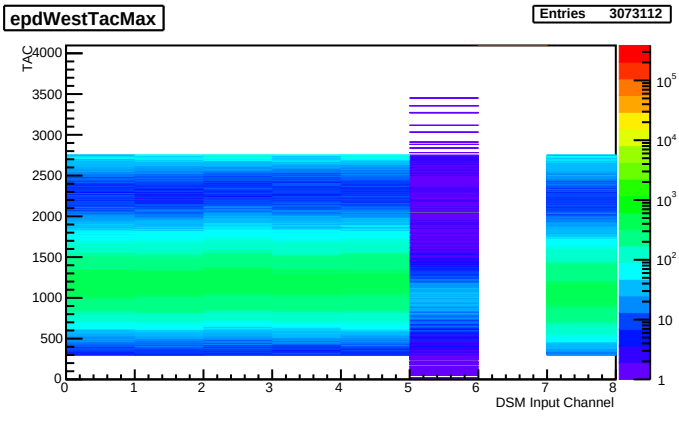
Data-Simu
DSM Input Channel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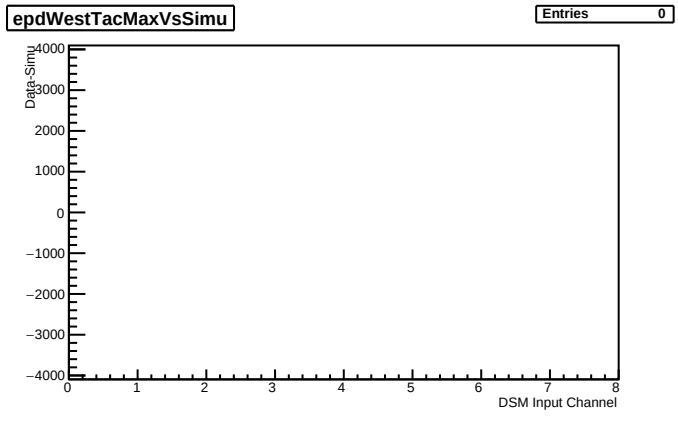
TAC
DSM Input Channel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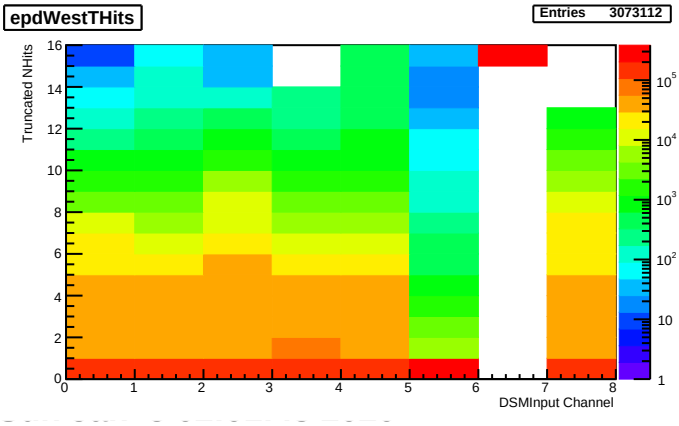
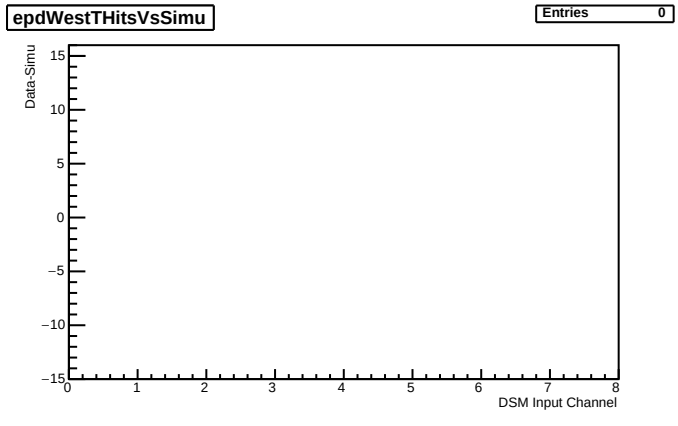
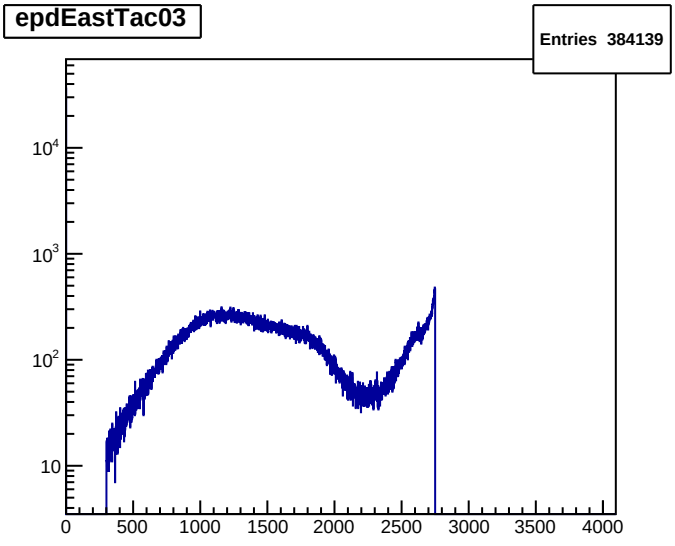
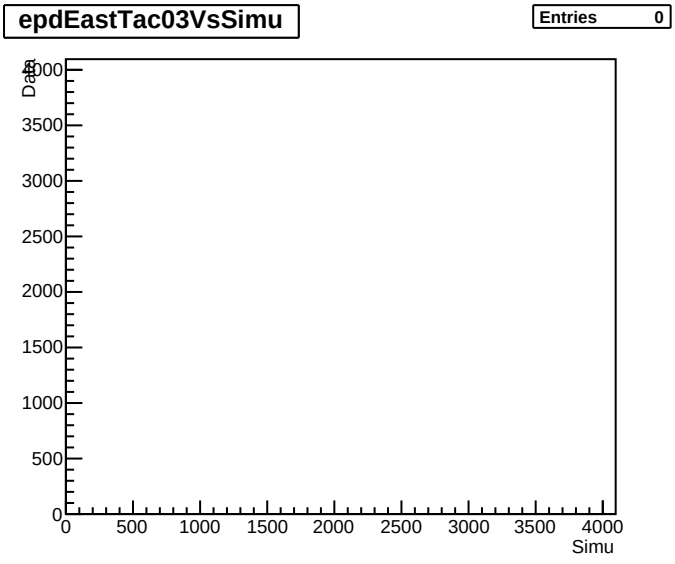
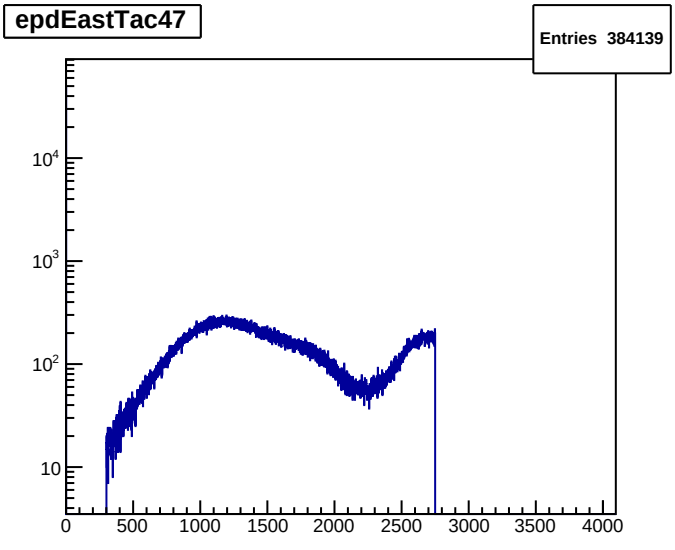
Entries 0
Data-Simu
DSM Input Channel

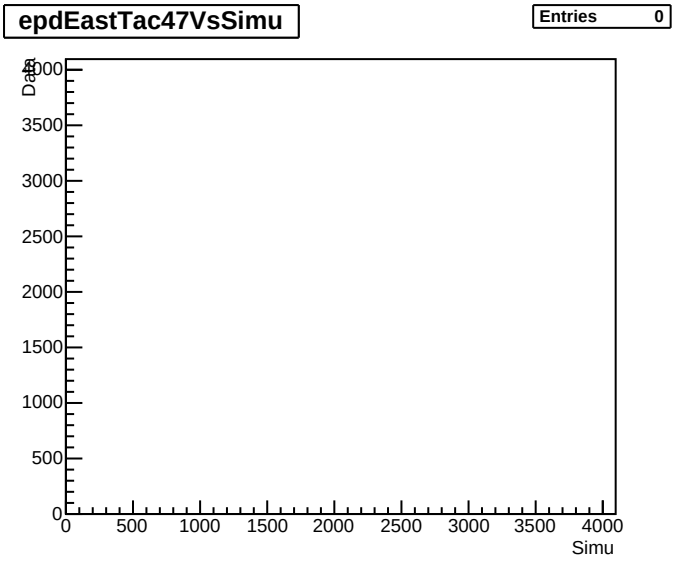

epdWestTHits
Entries 3073112
Truncated NHits
DSMInput Channel

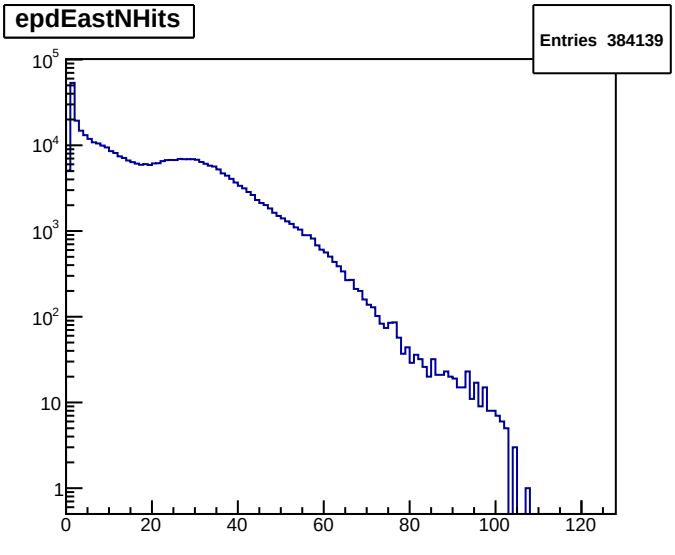

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

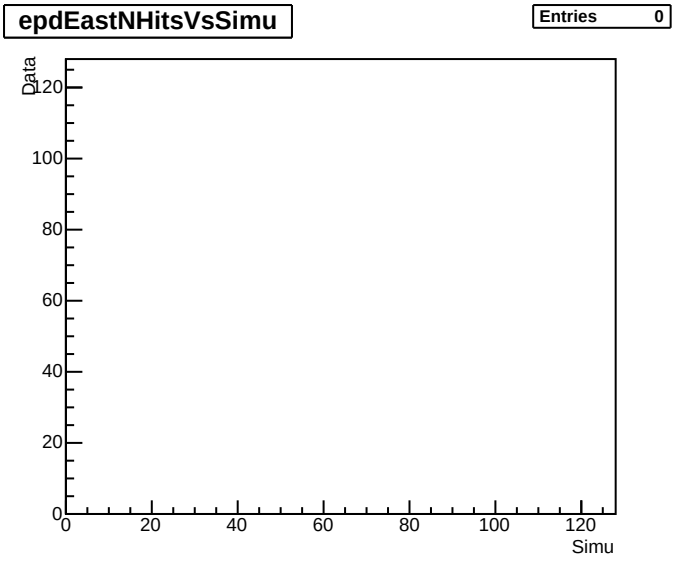

epdEastTac03
Entries 384139
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


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 384139
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 384139
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120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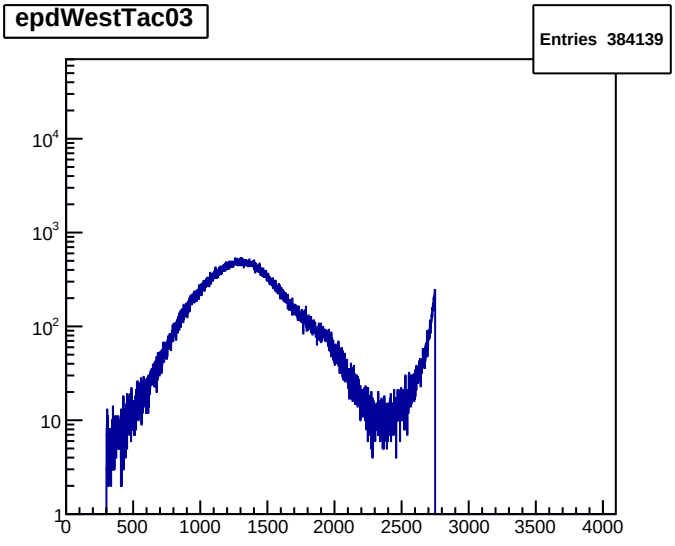
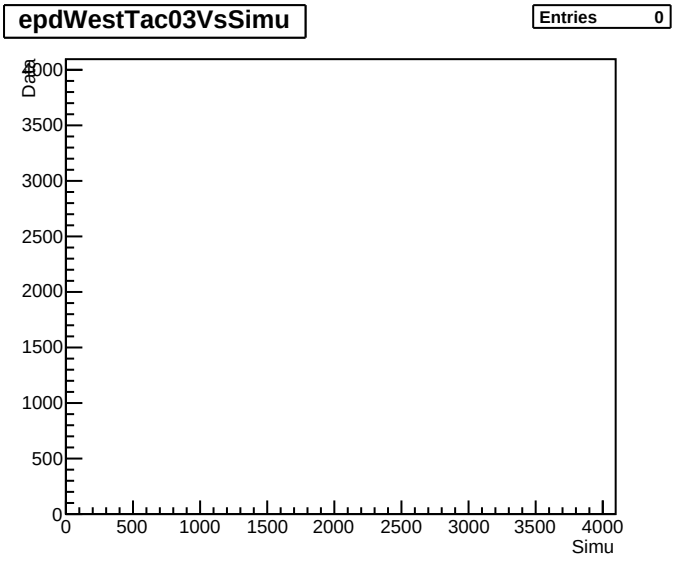
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 384139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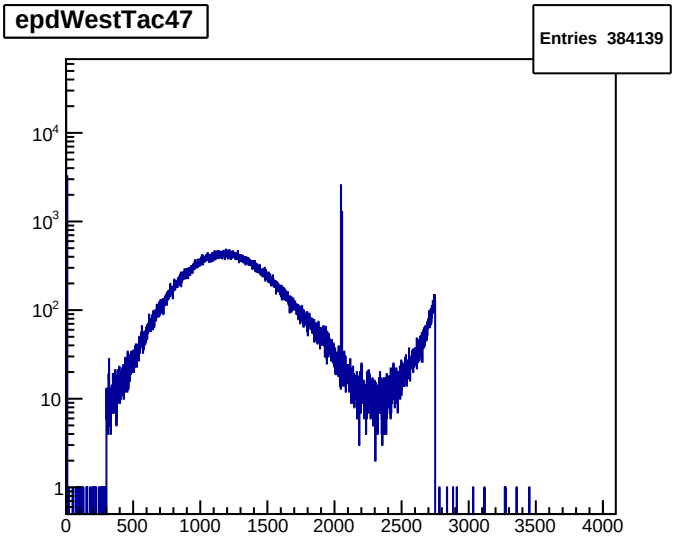
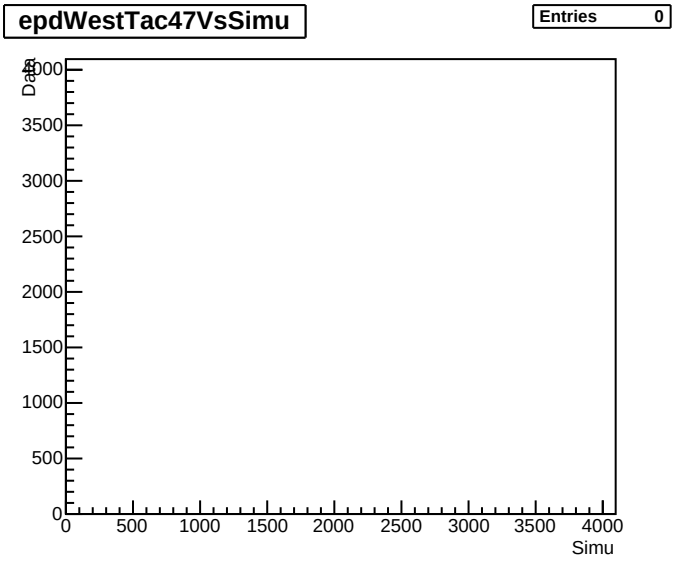
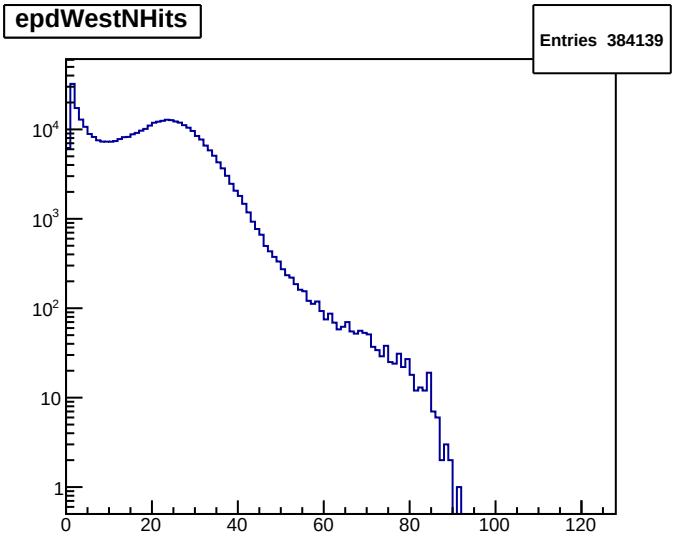
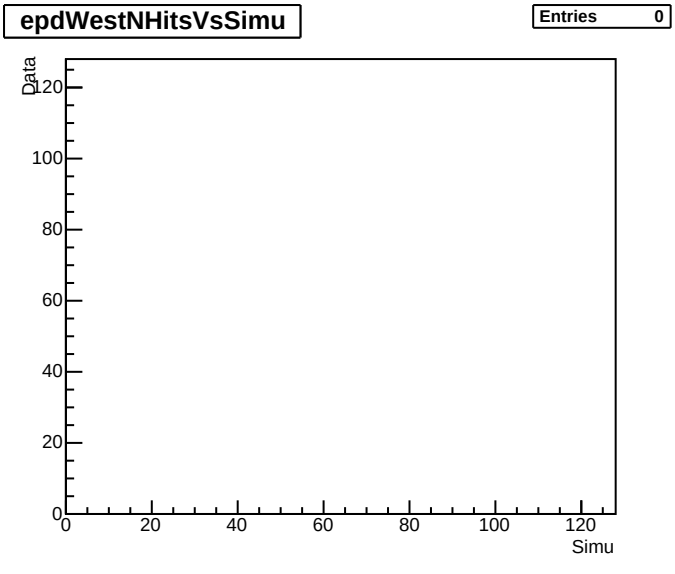
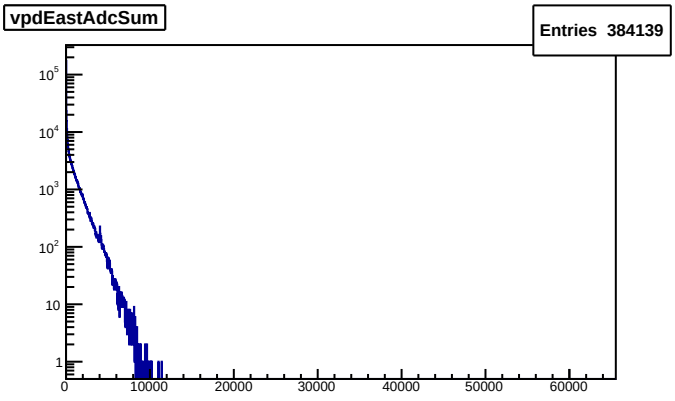
Entries 0
Data
Simu

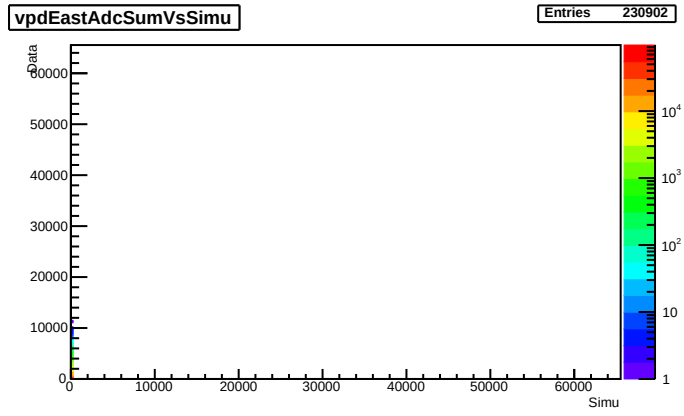

epdWestTac47
Entries 384139

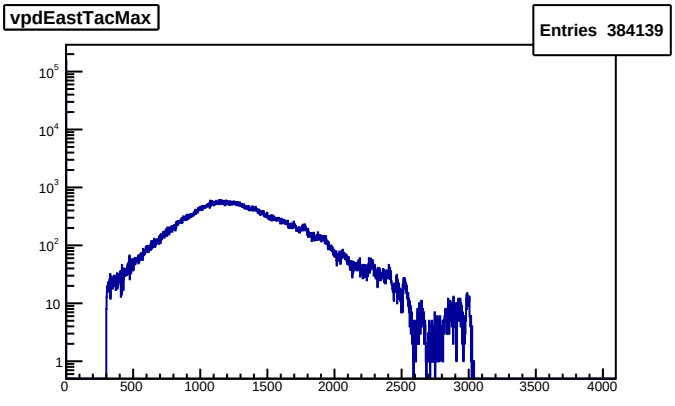

epdWestTac47VsSimu
Entries 0
Data
Simu

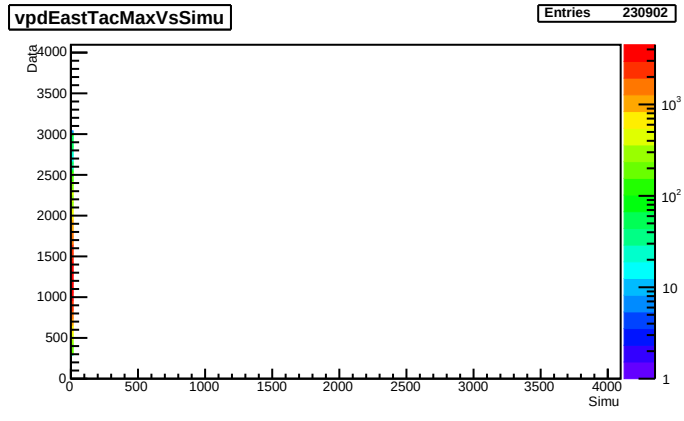

epdWestNHits
Entries 384139

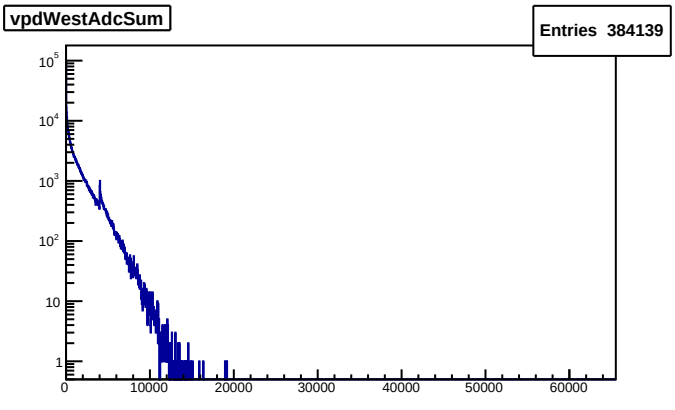

epdWestNHitsVsSimu
Entries 0
Data
Simu

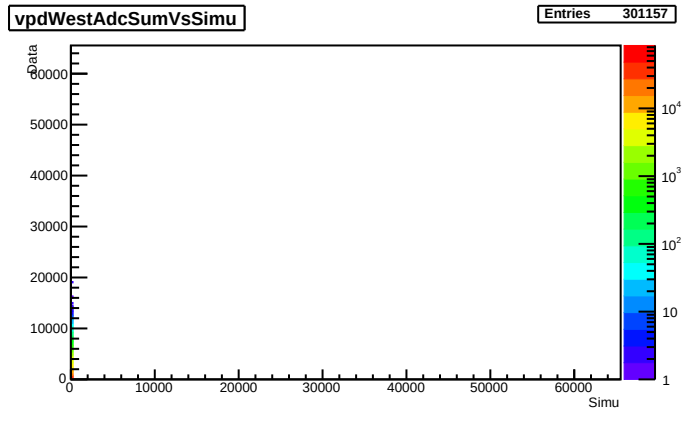

vpdEastAdcSum
Entries 384139

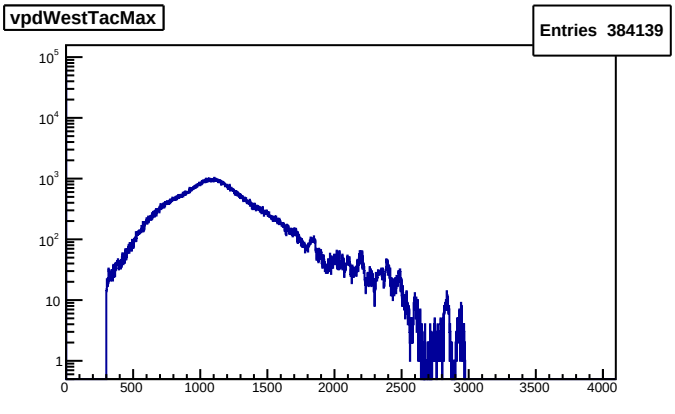

vpdEastAdcSumVsSimu
Entries 230902
Data
Simu

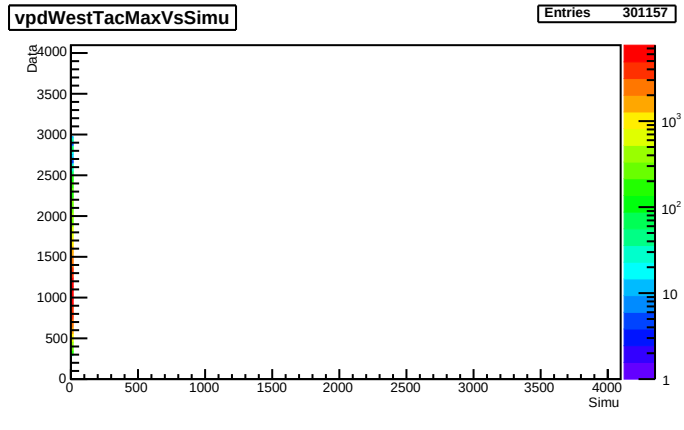

vpdEastTacMax
Entries 384139

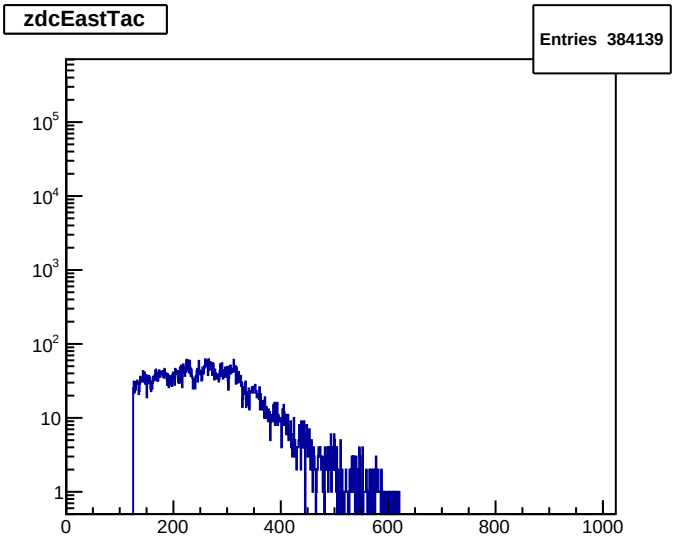

vpdEastTacMaxVsSimu
Entries 230902
Data
Simu

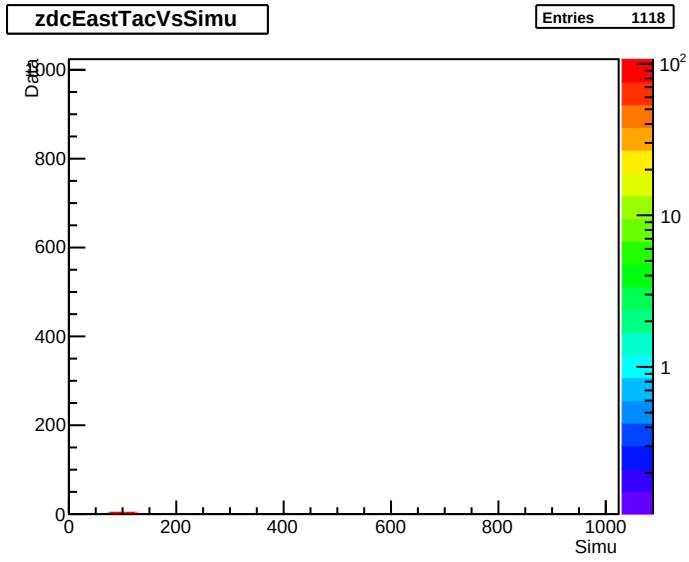

vpdWestAdcSum
Entries 384139

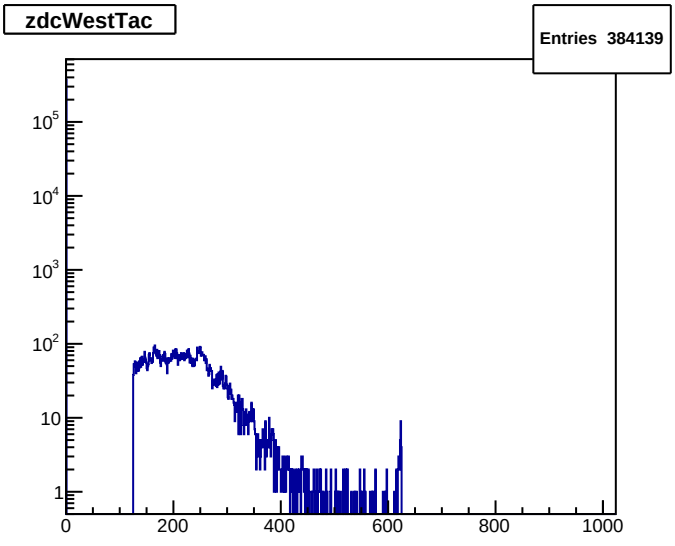

vpdWestAdcSumVsSimu
Entries 301157
Data
Simu

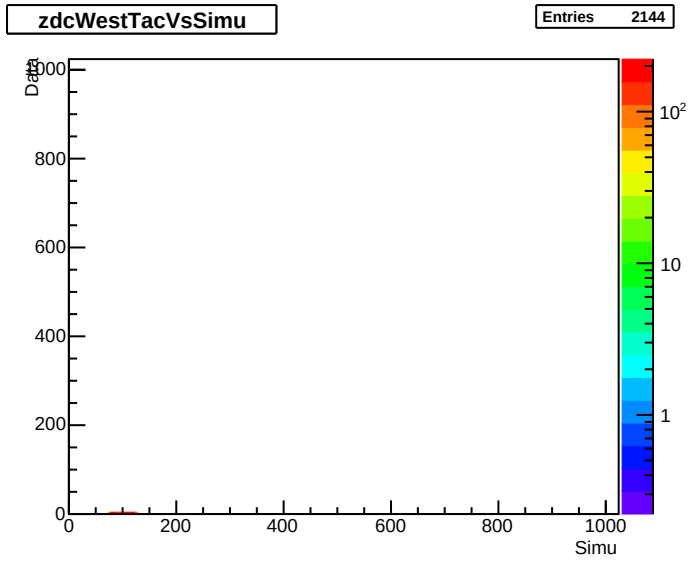

vpdWestTacMax
Entries 384139

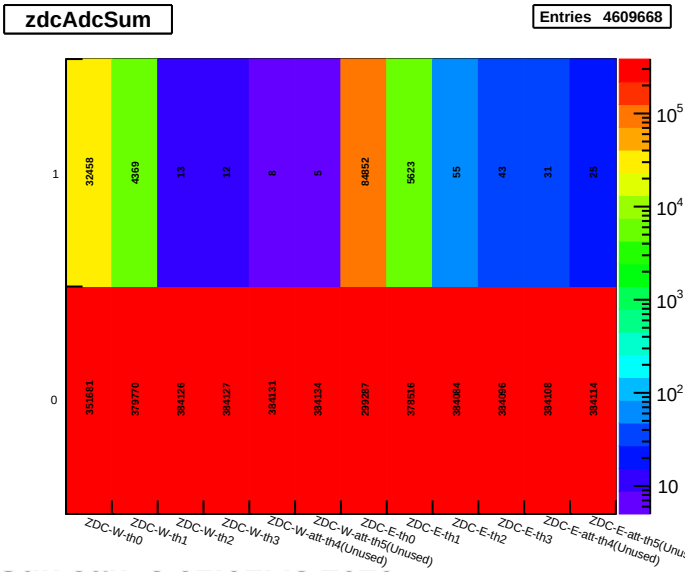

vpdWestTacMaxVsSimu
Entries 301157
Data
Simu

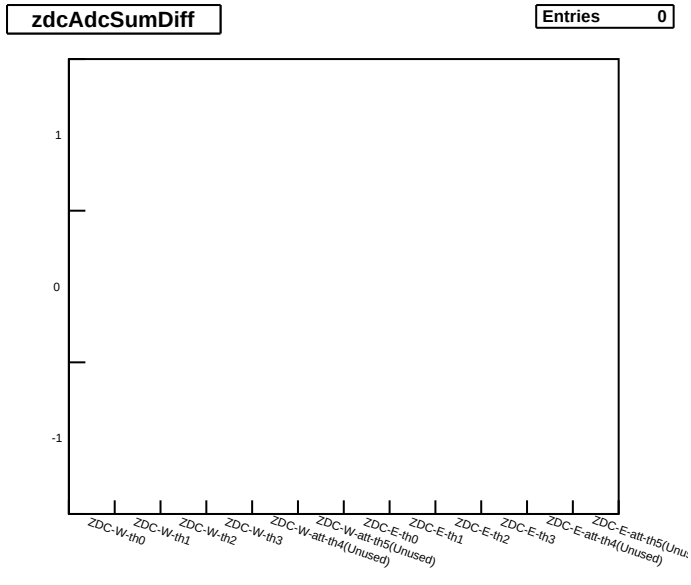

zdcEastTac
Entries 384139

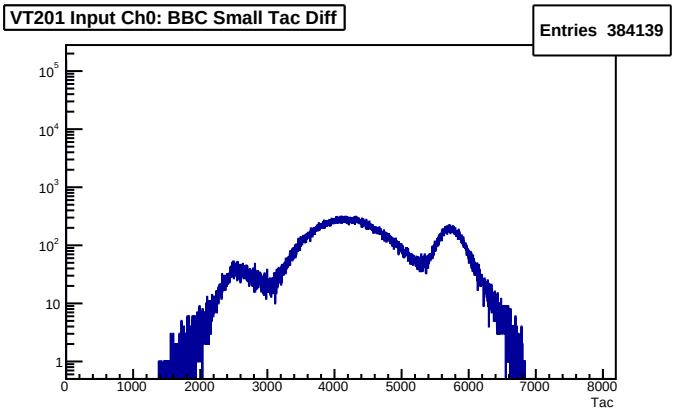

zdcEastTacVsSimu
Entries 1118
Data
Simu

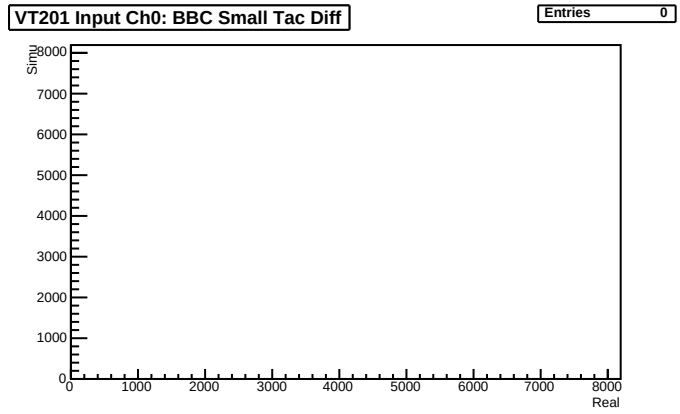

zdcWestTac
Entries 384139

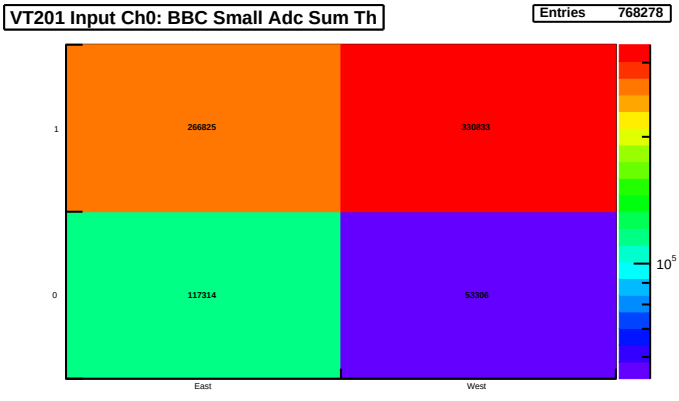

zdcWestTacVsSimu
Entries 2144
Data
Simu

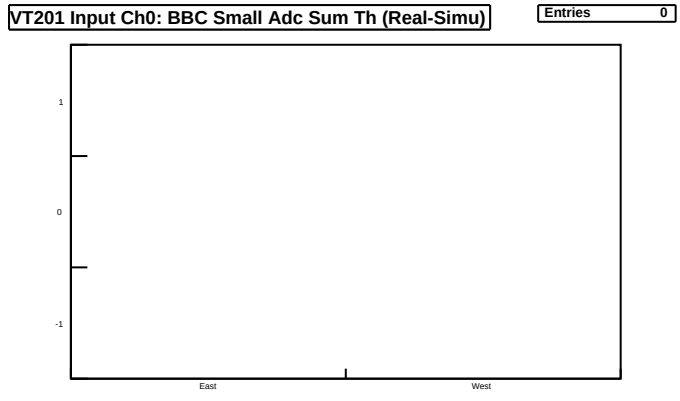

zdcAdcSum
Entries 4609668
32458
4369
13
12
8
5
84852
5623
55
43
31
25
351681
379770
384126
384127
384131
384134
299287
378516
384084
384096
384108
384114
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

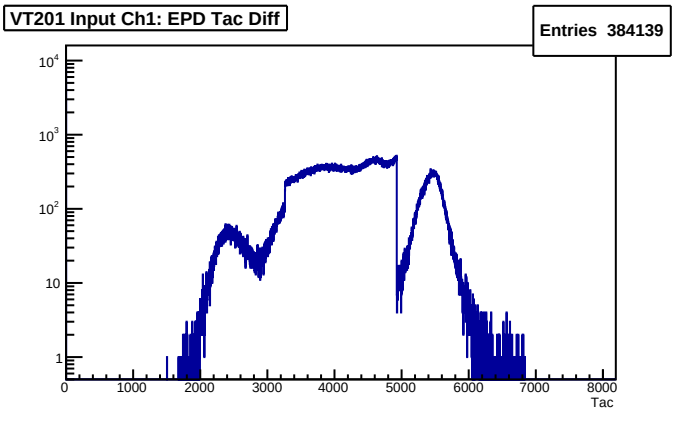

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

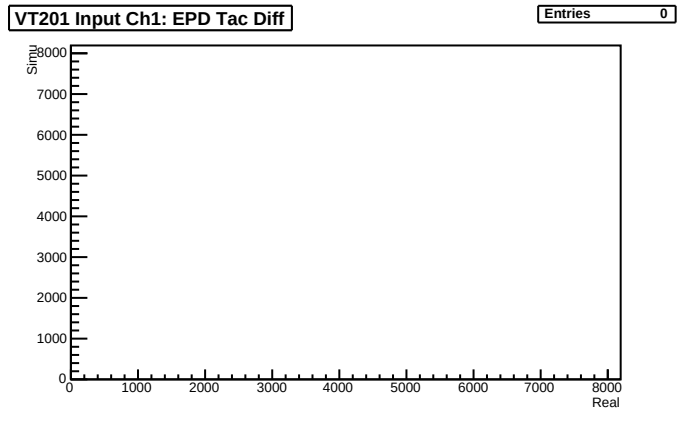

VT201 Input Ch0: BBC Small Tac Diff
Entries 384139
Tac

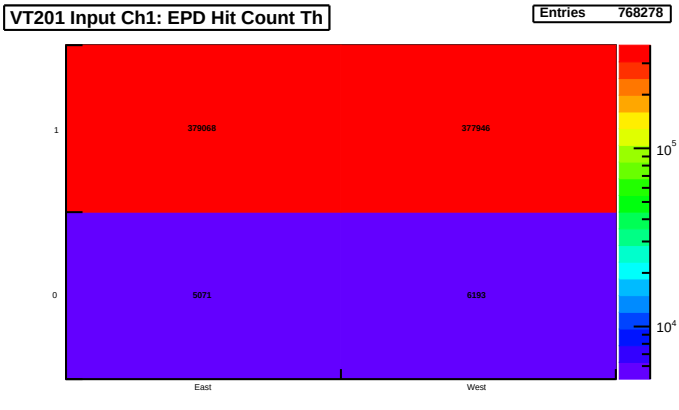

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

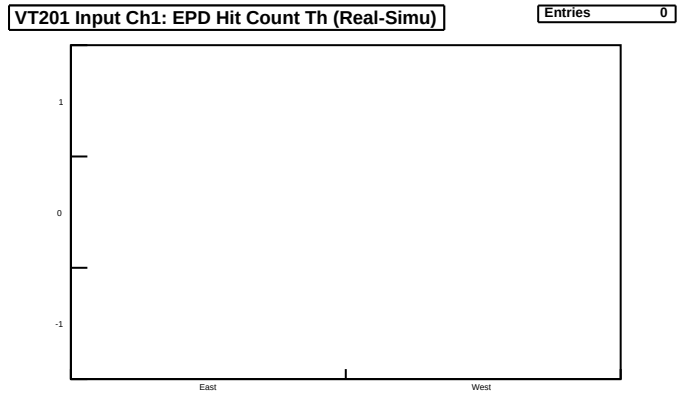

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 768278
266825
330833
117314
53306
East
West

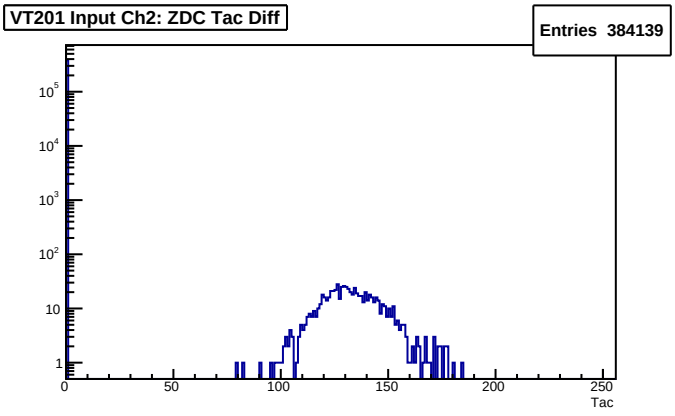

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

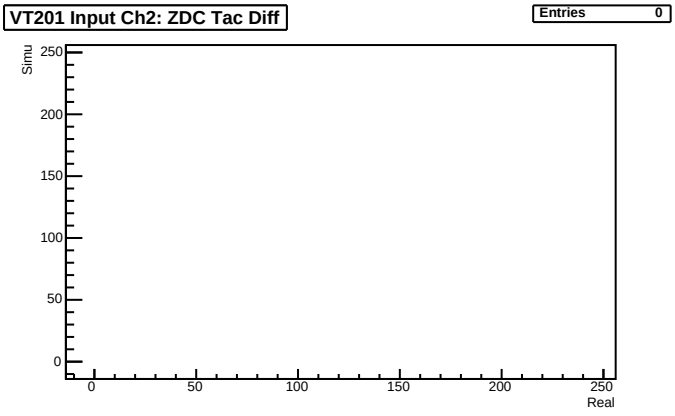

VT201 Input Ch1: EPD Tac Diff
Entries 384139
Tac

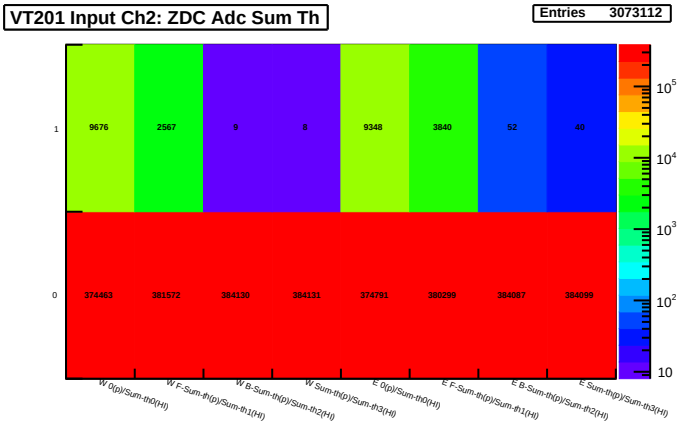

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

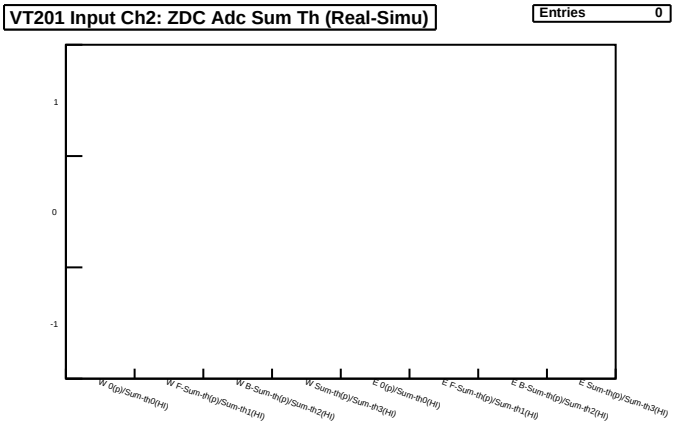

VT201 Input Ch1: EPD Hit Count Th
Entries 768278
379068
377946
5071
6193
East
West

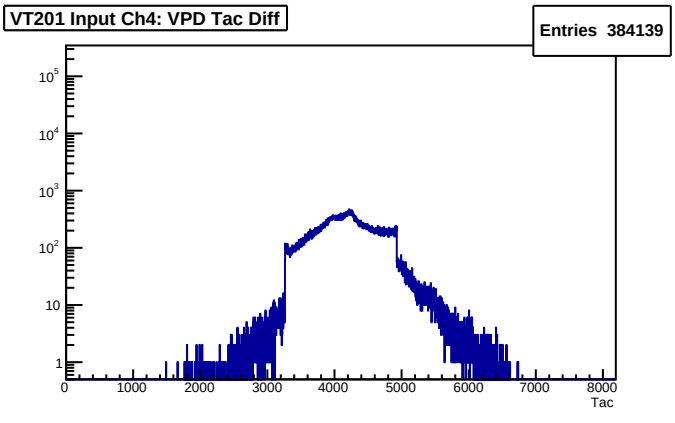

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

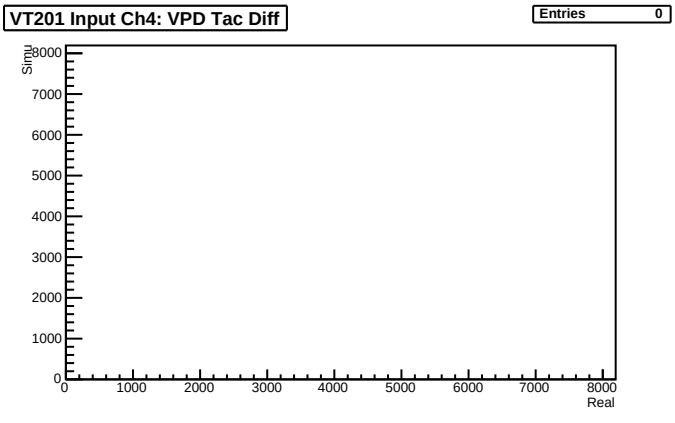

VT201 Input Ch2: ZDC Tac Diff
Entries 384139
Tac

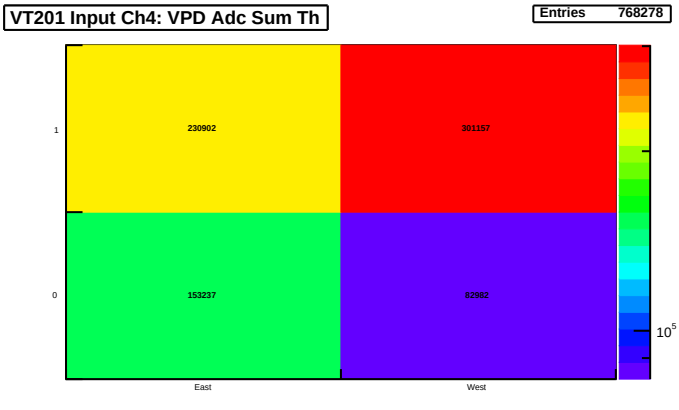

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

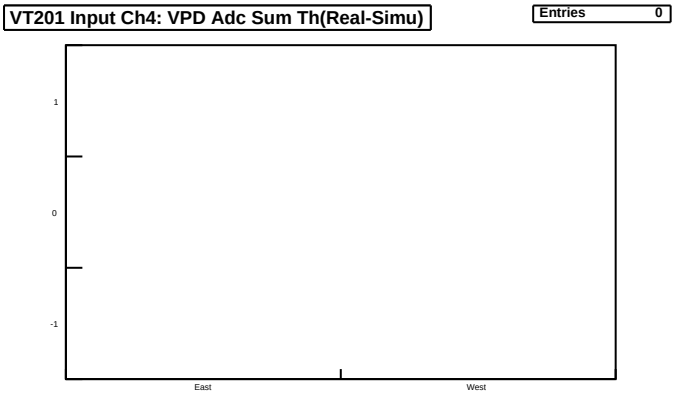

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3073112
9676
2567
9
8
9348
3840
52
40
374463
381572
384130
384131
374791
380299
384087
384099
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

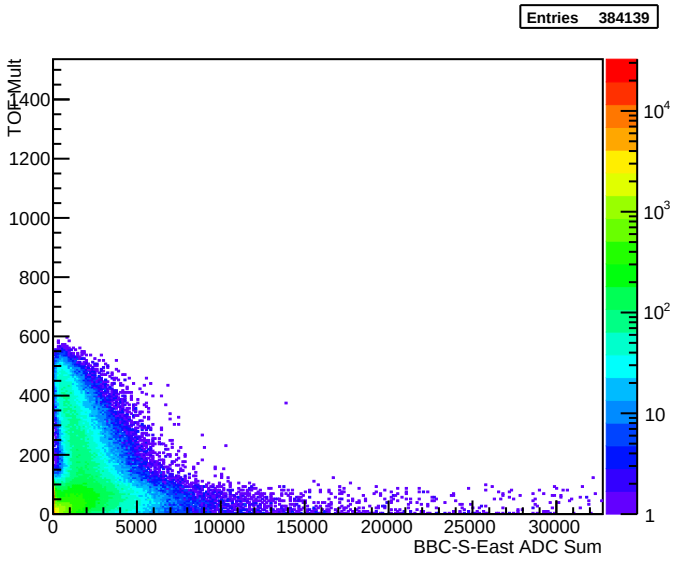

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

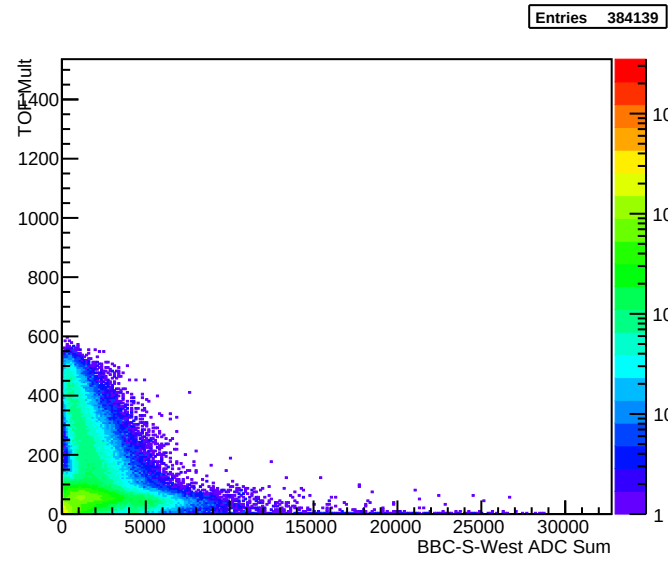

VT201 Input Ch4: VPD Tac Diff
Entries 384139
Tac

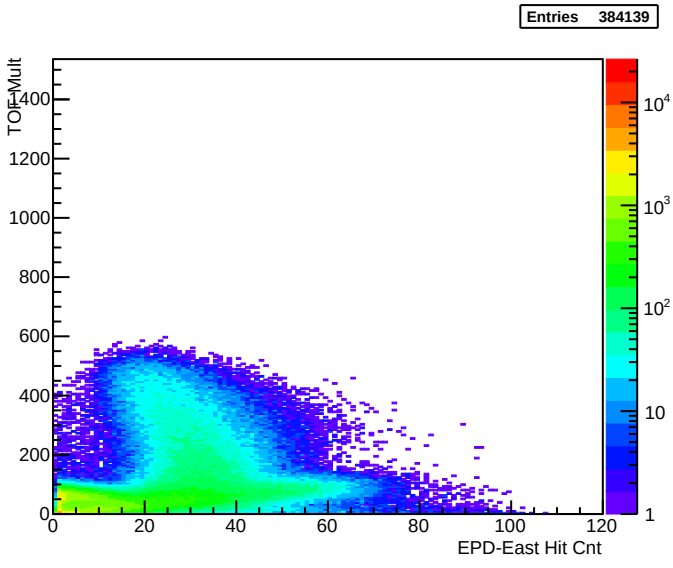

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

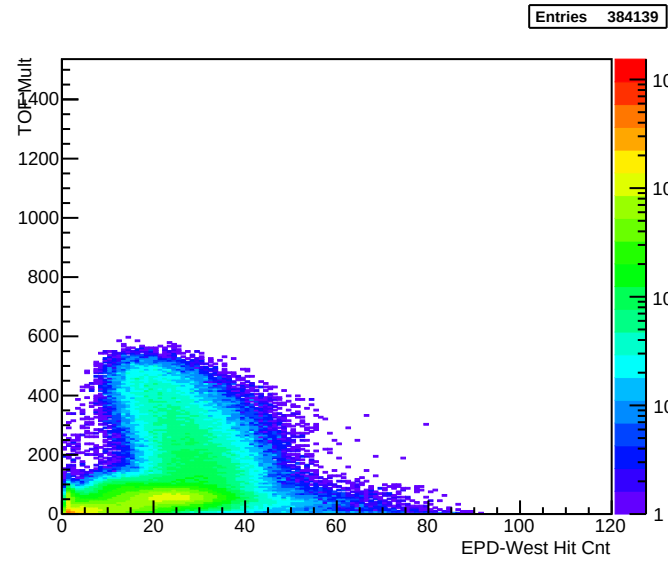

VT201 Input Ch4: VPD Adc Sum Th
Entries 768278
230902
301157
153237
82982
East
West

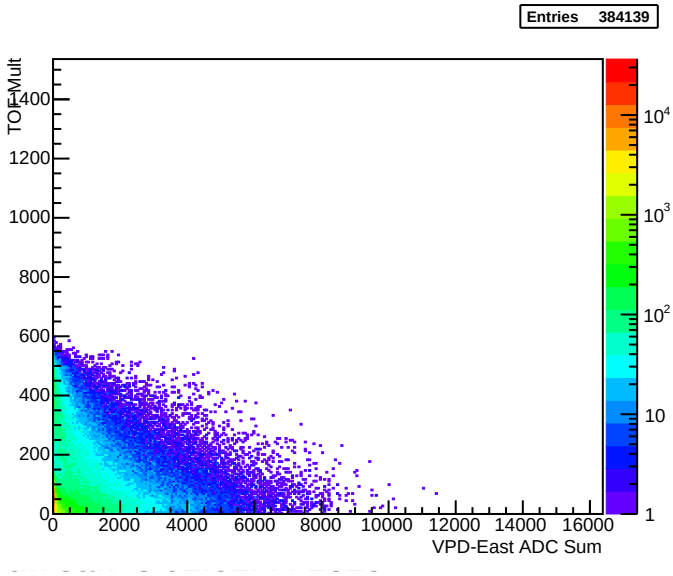

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

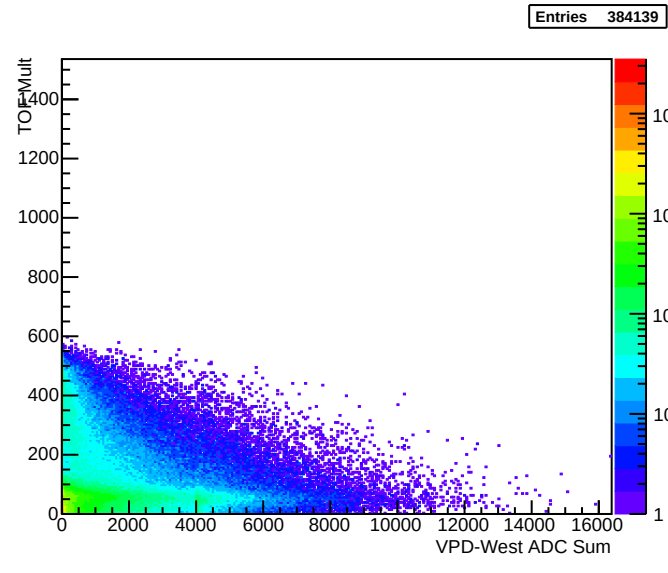

Entries 384139
TOF-Mult
BBC-S-East ADC Sum

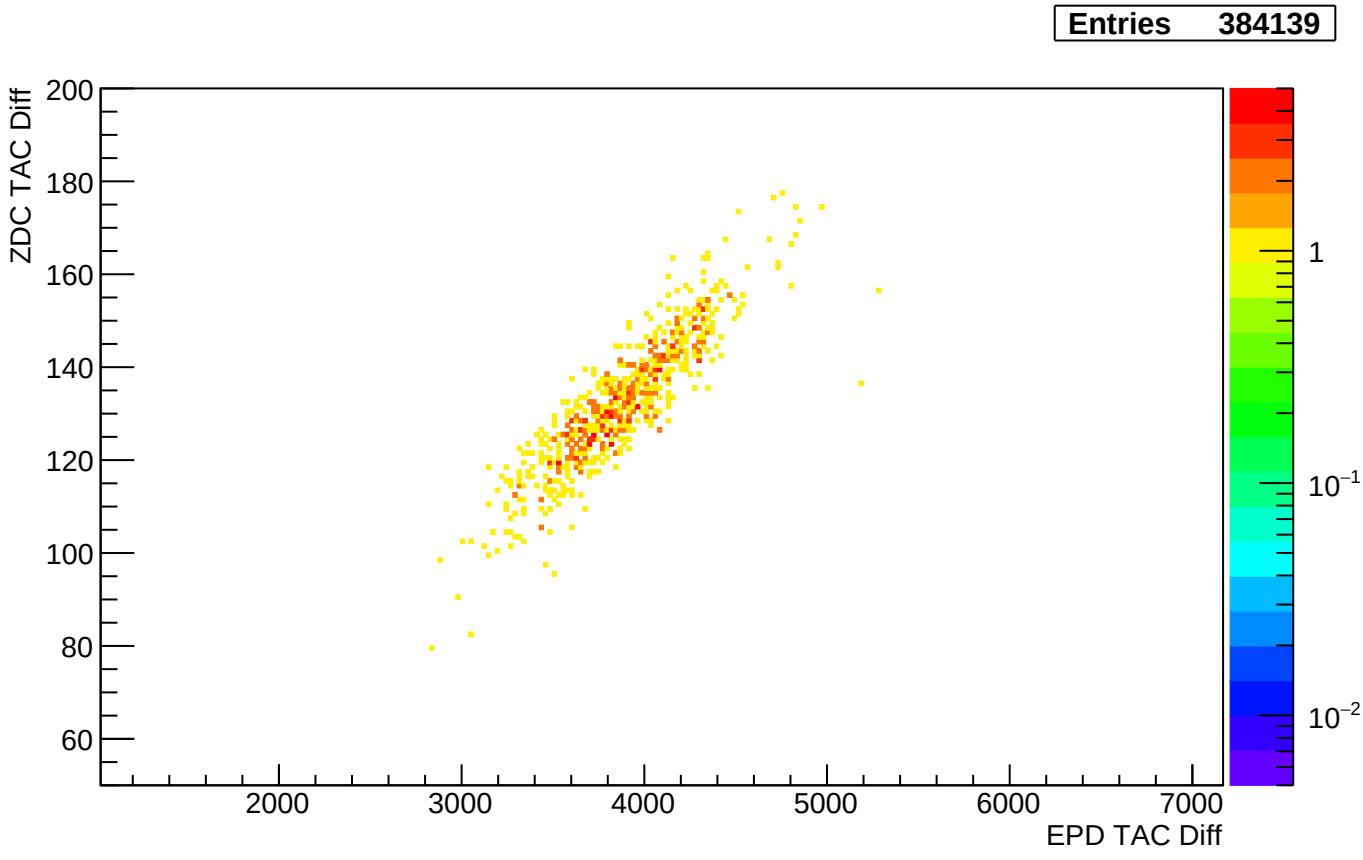

Entries 384139
TOF-Mult
BBC-S-West ADC Sum

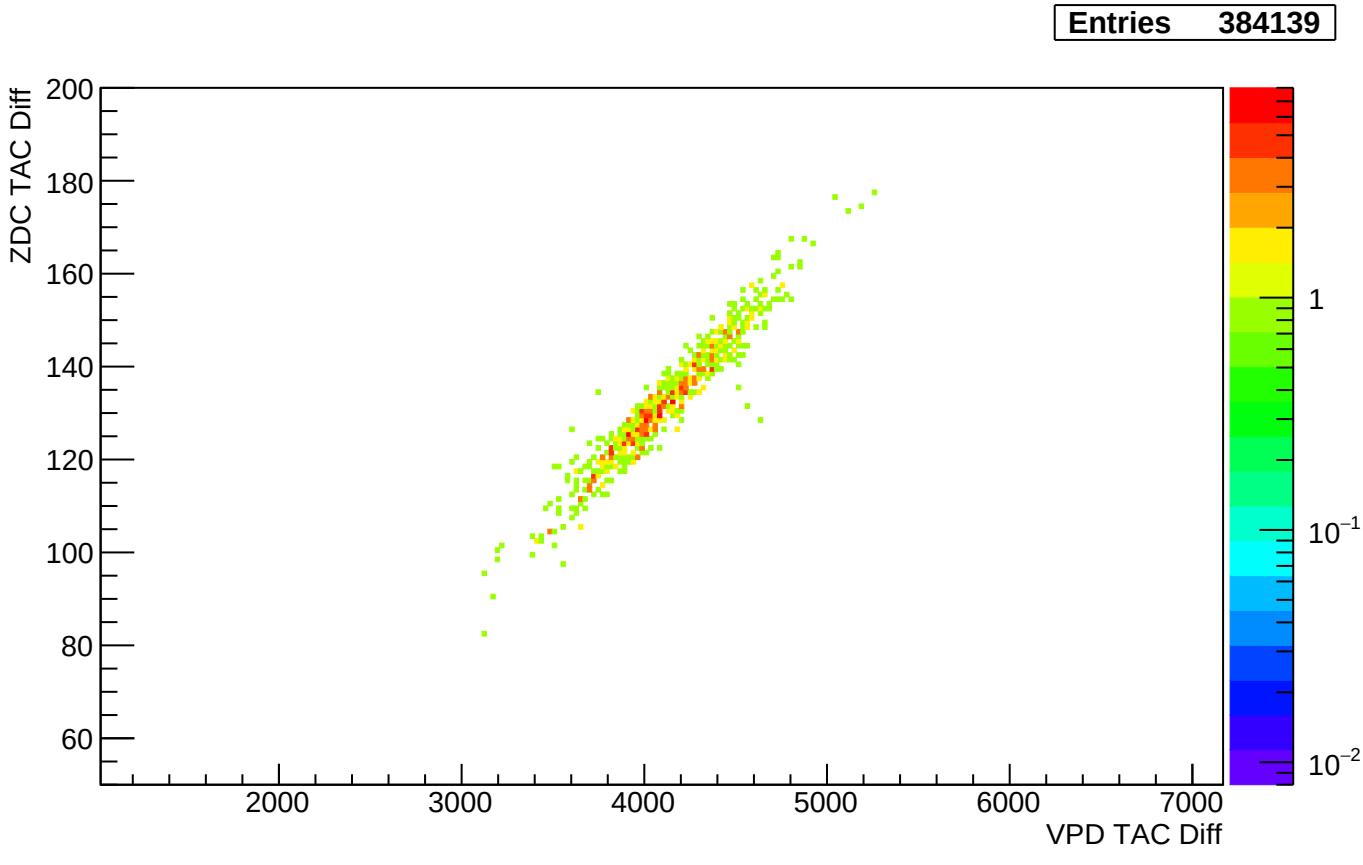

Entries 384139
TOF-Mult
EPD-East Hit Cnt

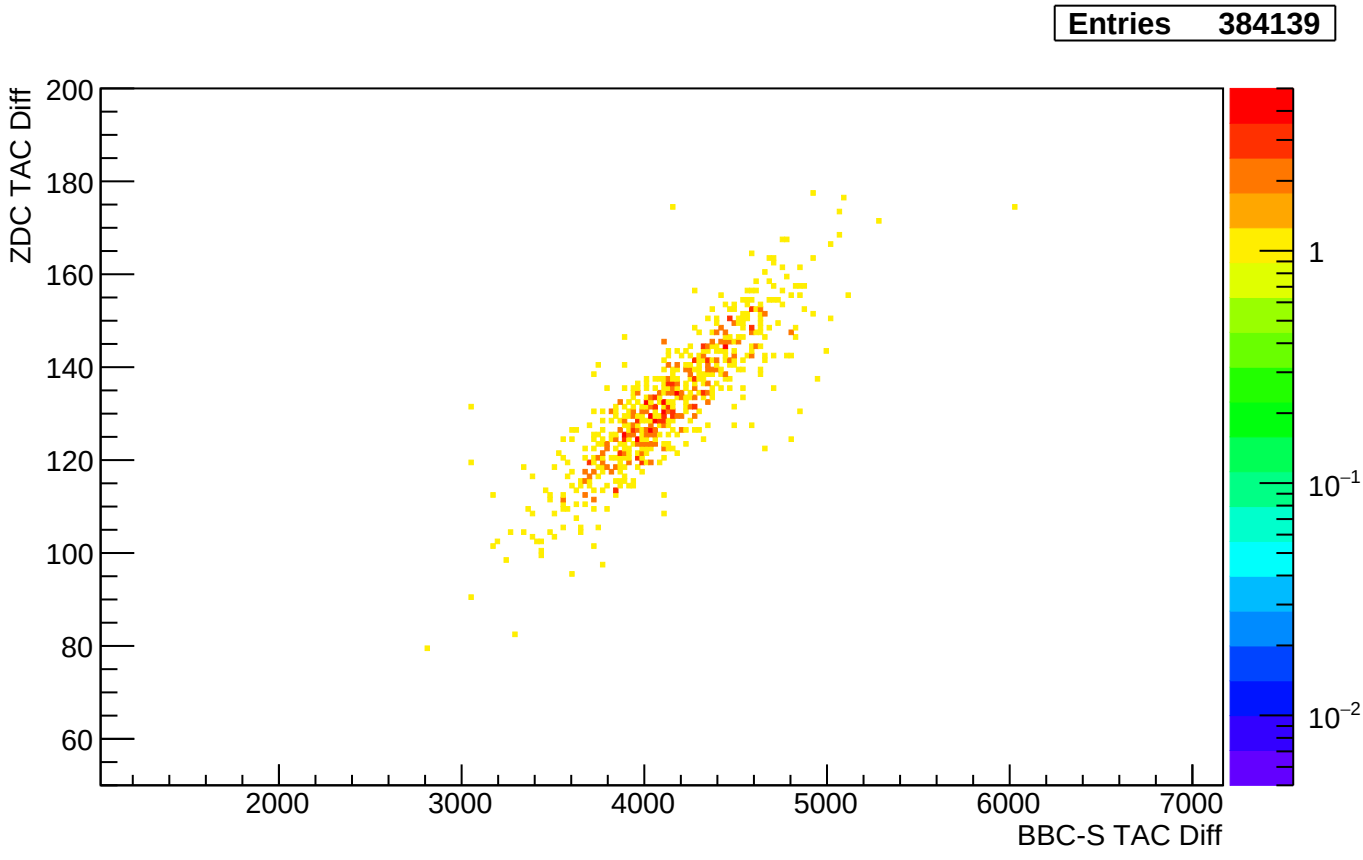

Entries 384139
TOF-Mult
EPD-West Hit Cnt

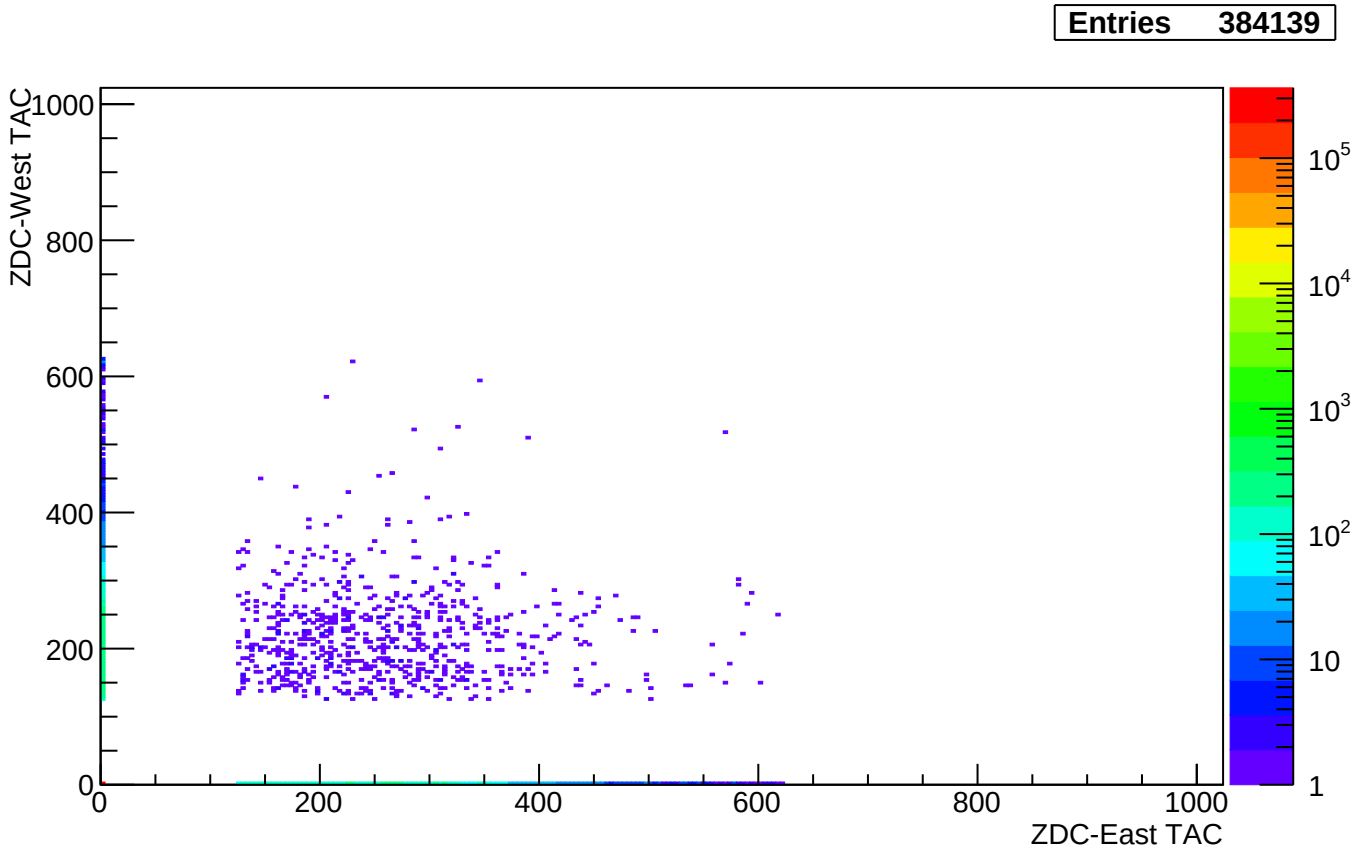

Entries 384139
TOF-Mult
VPD-East ADC Sum

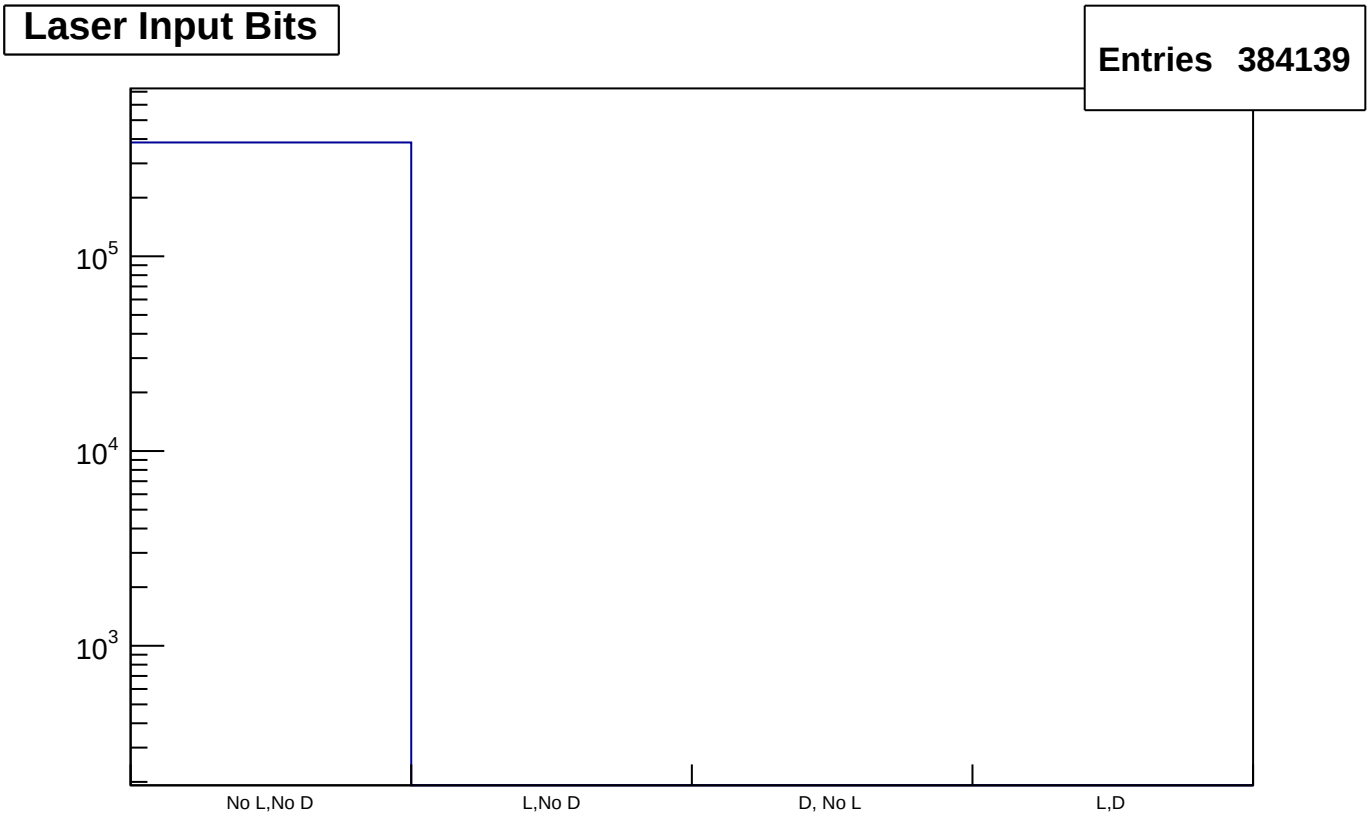

Entries 384139
TOF-Mult
VPD-West ADC Sum

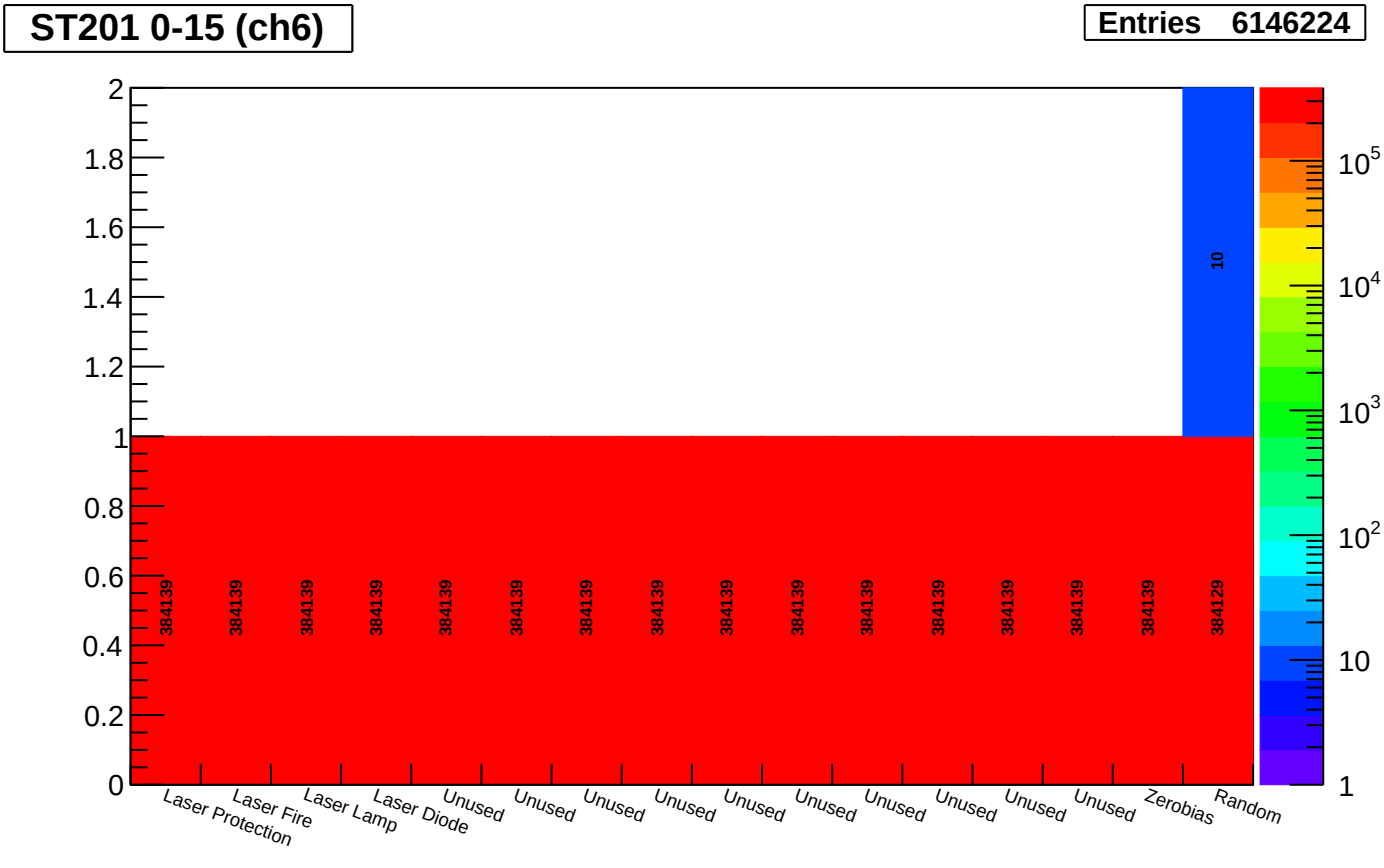

Entries 384139
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

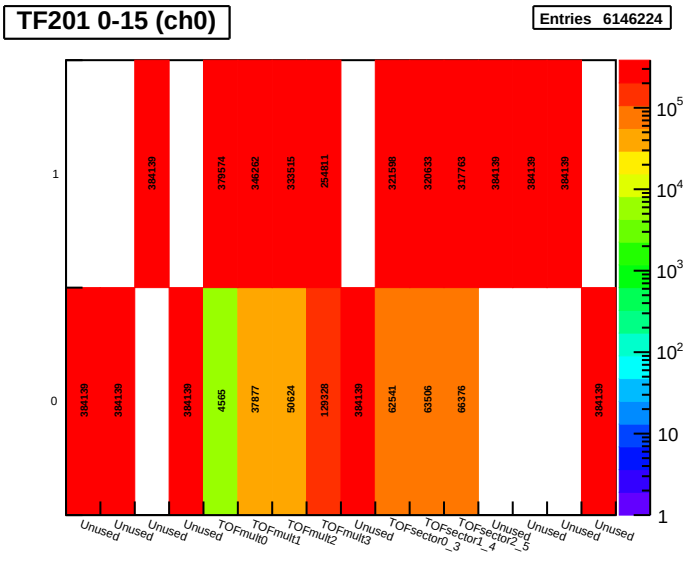

Entries 384139
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

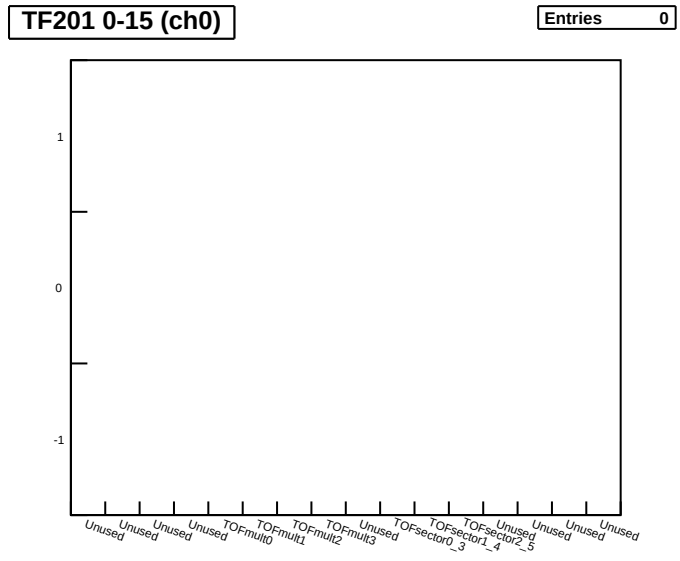

Entries 384139
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

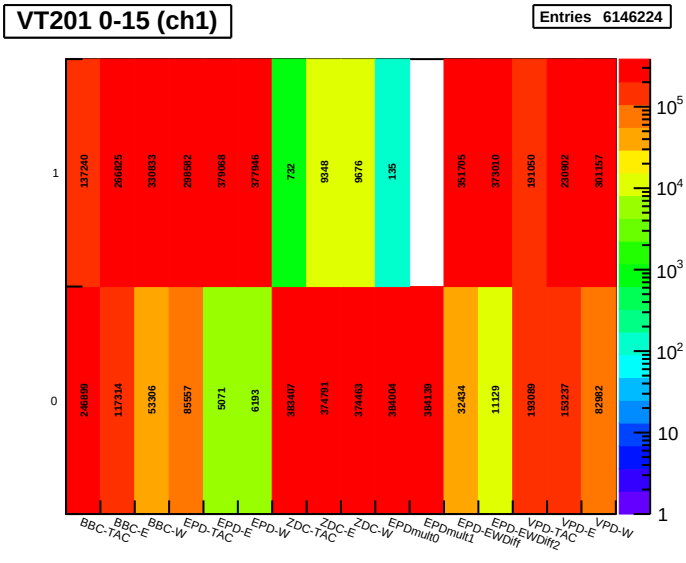

Entries 384139
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

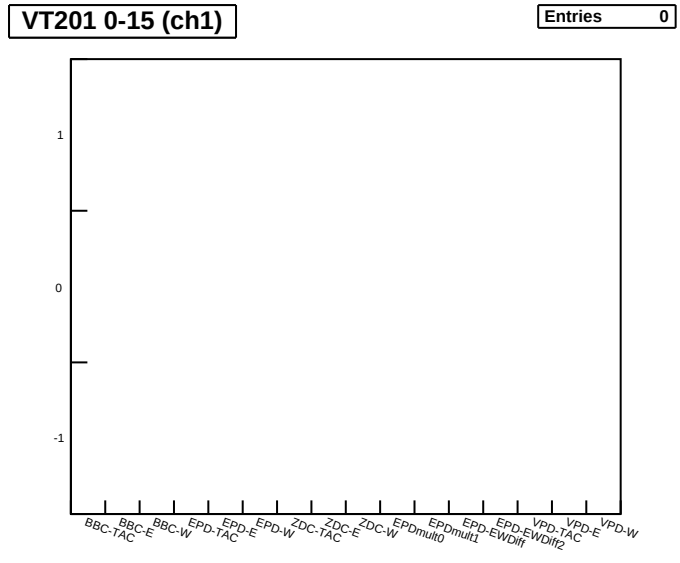

Laser Input Bits
Entries 384139
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

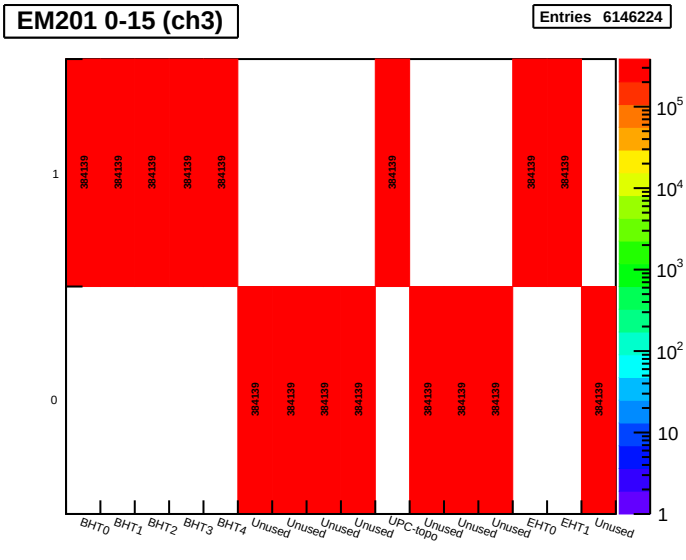

ST201 0-15 (ch6)
Entries 6146224
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
384139
384139
384139
384139
384139
384139
384139
384139
384139
384139
384139
384139
384139
384139
384129
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

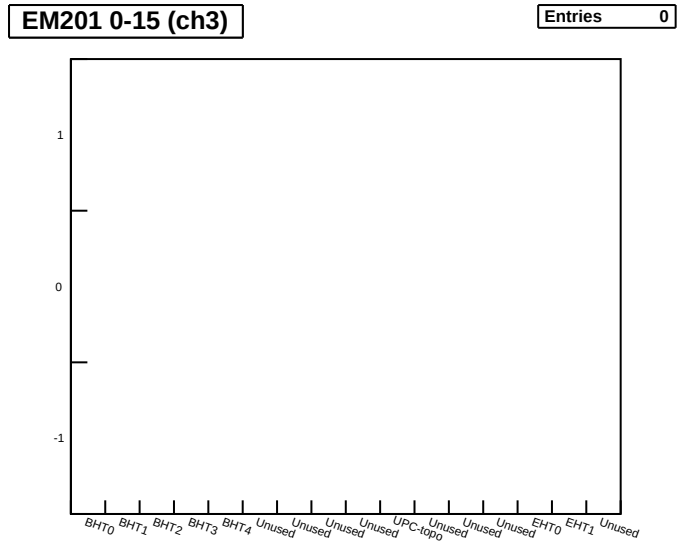

TF201 0-15 (ch0)
Entries 6146224
1
0
384139 384139 384139 370574 346262 333515 254811 321598 320633 317763 384139 384139 384139
384139 384139 384139 4565 37877 50624 129328 384139 62541 63506 66376 384139
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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


VT201 0-15 (ch1)
Entries 6146224
1
0
137240 266825 330833 298582 379068 377946 722 9348 9676 135 351705 373010 191050 230902 301157
246899 117314 53306 85557 5071 6193 383407 374791 374463 384004 384139 32434 11129 193089 153237 82982
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 6146224
1
0
384139 384139 384139 384139 384139 384139 384139 384139 384139
384139 384139 384139 384139 384139 384139 384139 384139
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