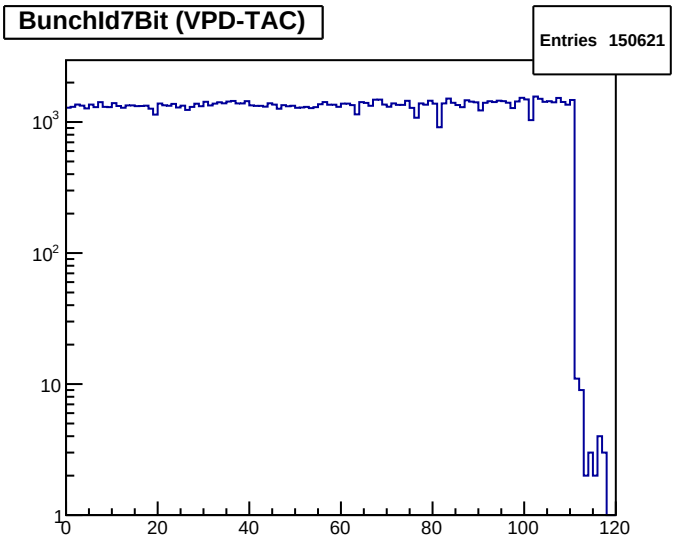
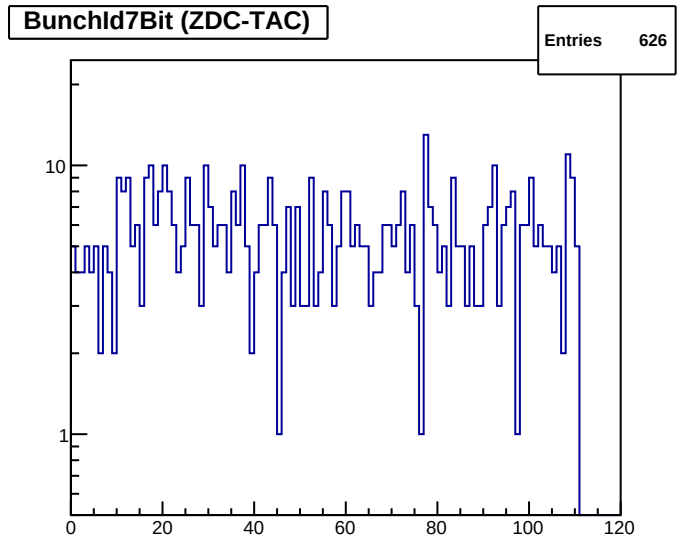
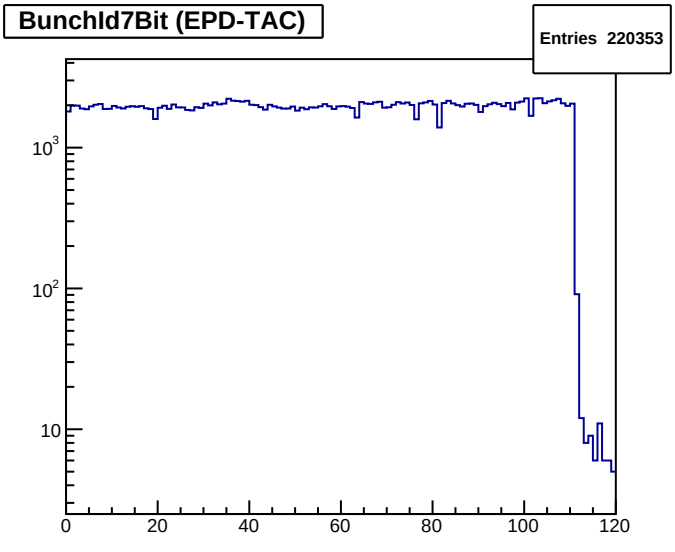
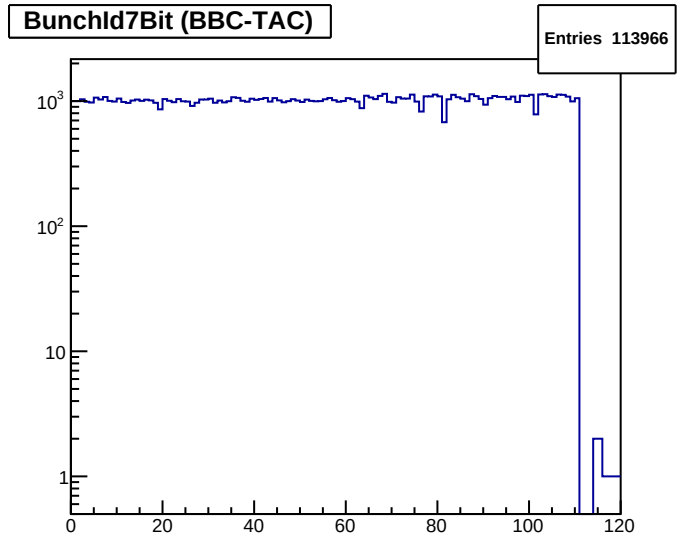
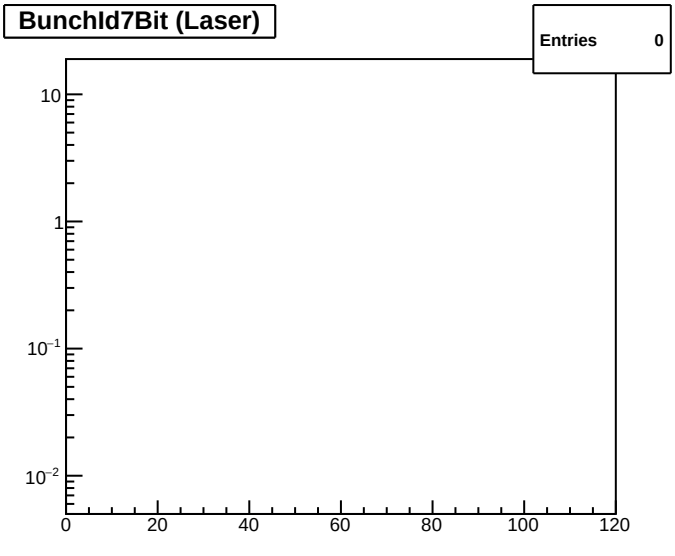
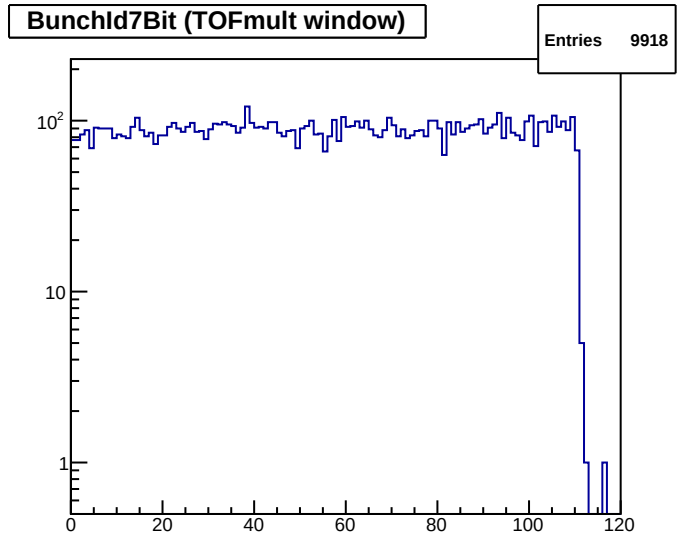

BunchId7Bit (VPD-TAC)
Entries 150621

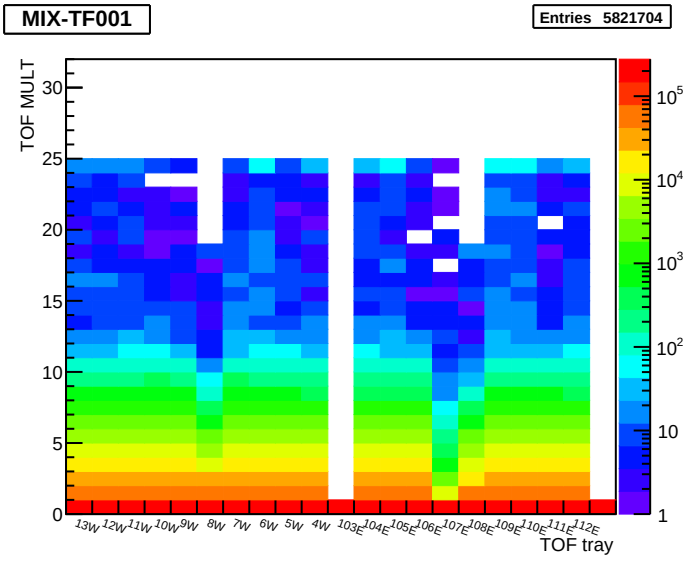

BunchId7Bit (ZDC-TAC)
Entries 626

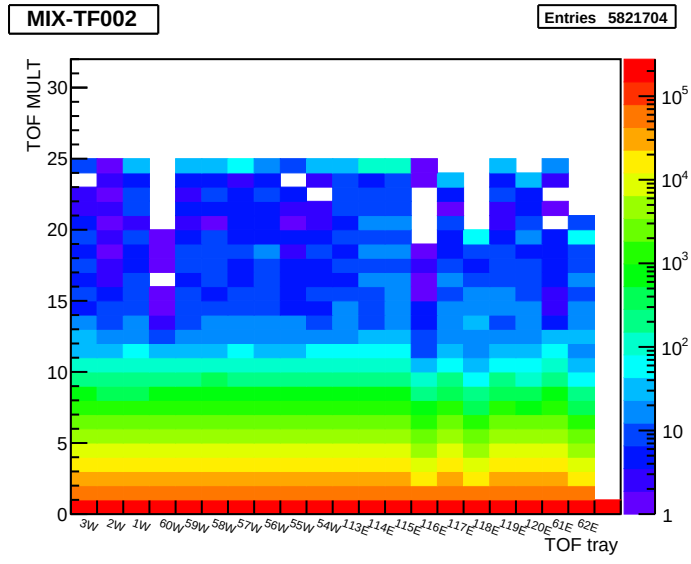

BunchId7Bit (EPD-TAC)
Entries 220353

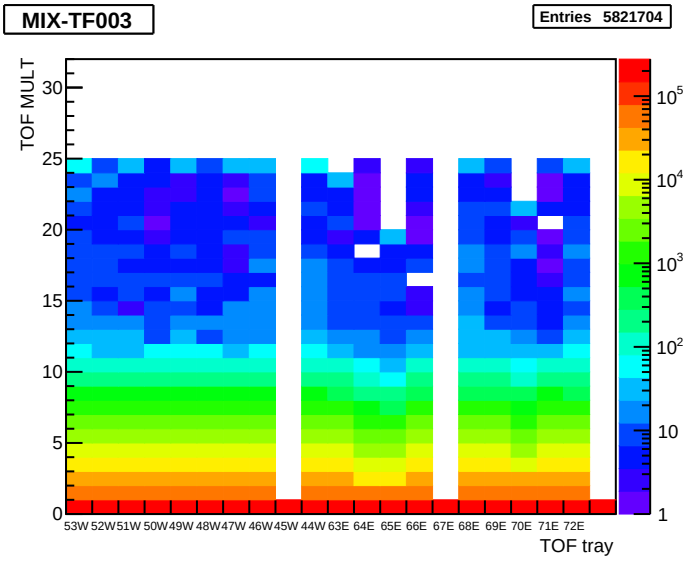

BunchId7Bit (BBC-TAC)
Entries 113966

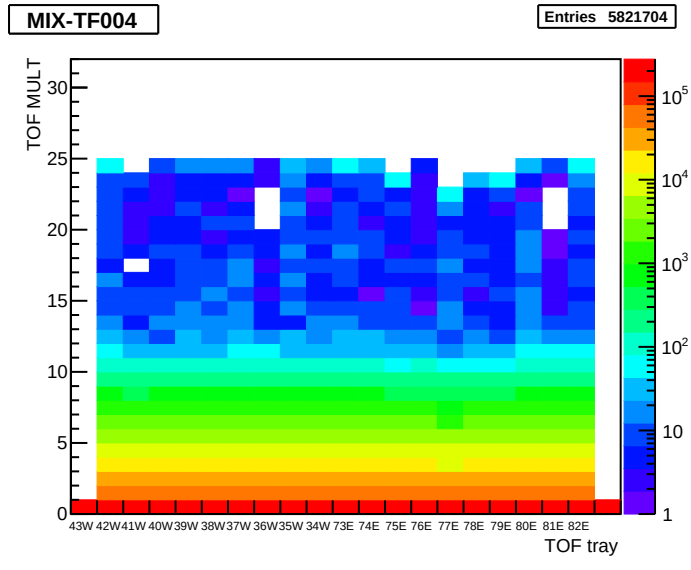

BunchId7Bit (Laser)
Entries 0

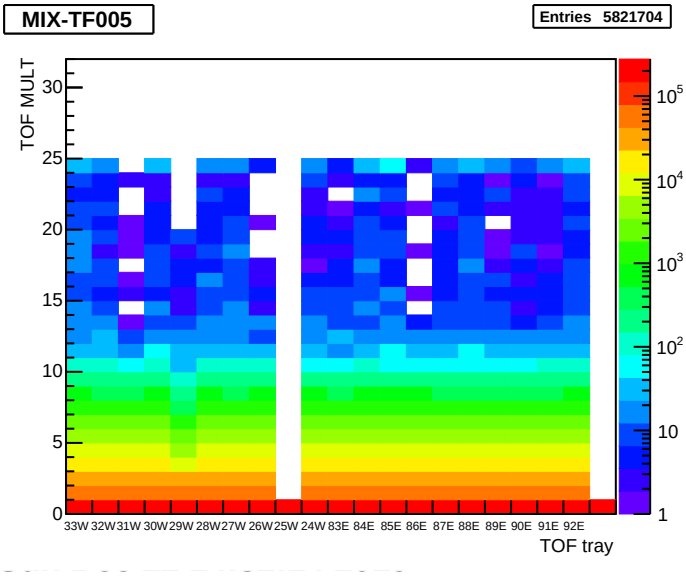

BunchId7Bit (TOFmult window)
Entries 9918

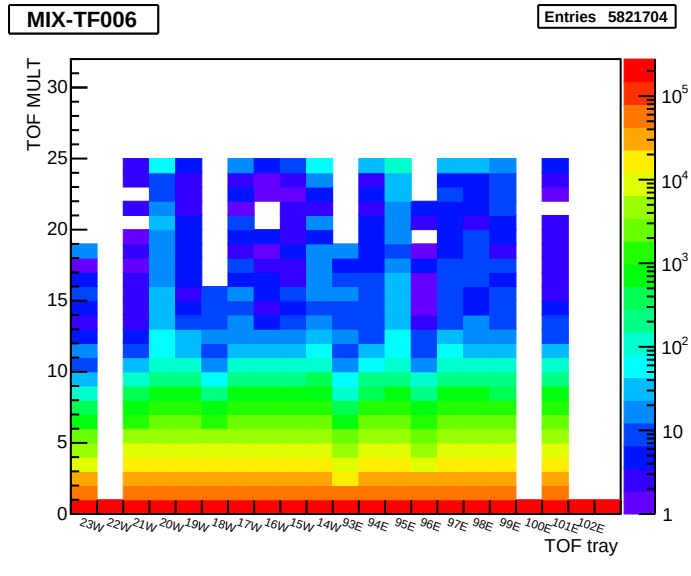

MIX-TF001
Entries 5821704
TOF MULT
TOF tray

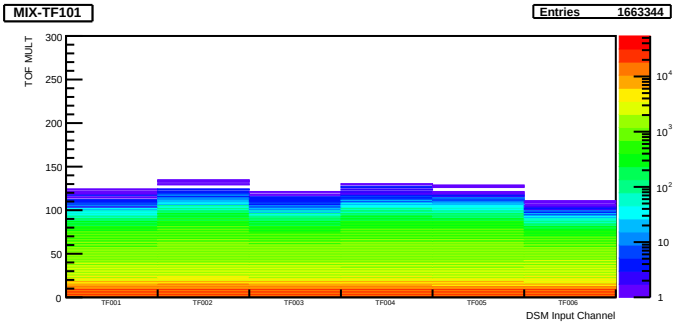

MIX-TF002
Entries 5821704
TOF MULT
TOF tray

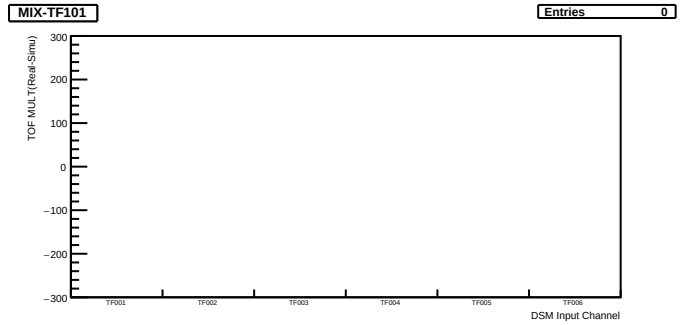

MIX-TF003
Entries 5821704
TOF MULT
TOF tray

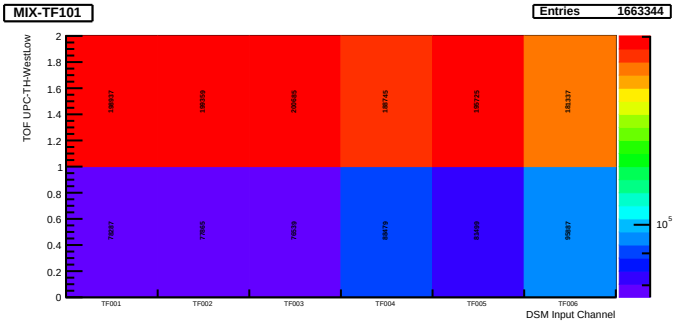

MIX-TF004
Entries 5821704
TOF MULT
TOF tray

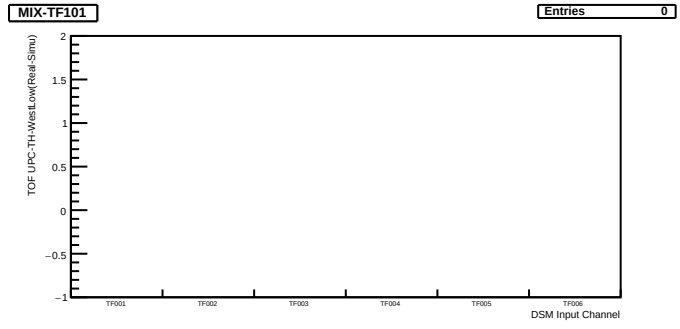

MIX-TF005
Entries 5821704
TOF MULT
TOF tray

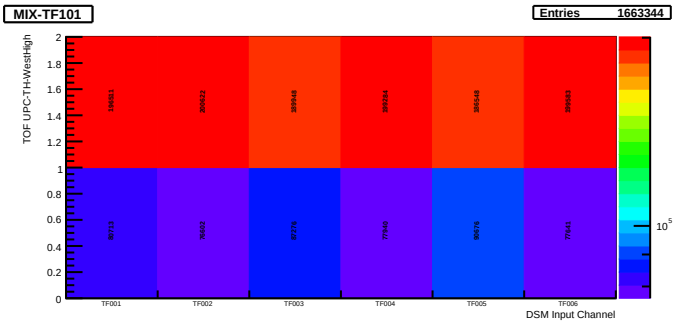

MIX-TF006
Entries 5821704
TOF MULT
TOF tray

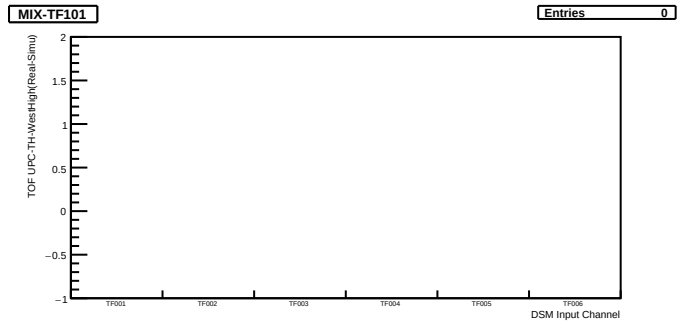

MIX-TF101
Entries 1663344
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

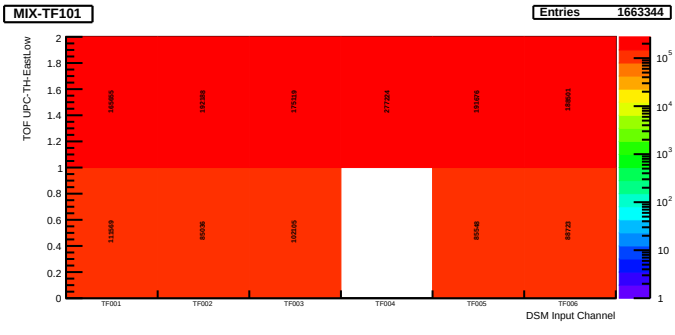

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

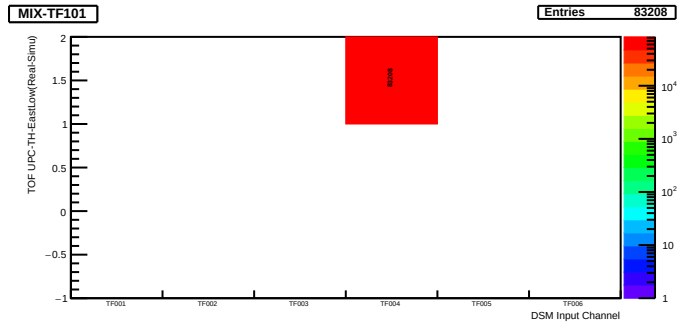

MIX-TF101
Entries 1663344
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

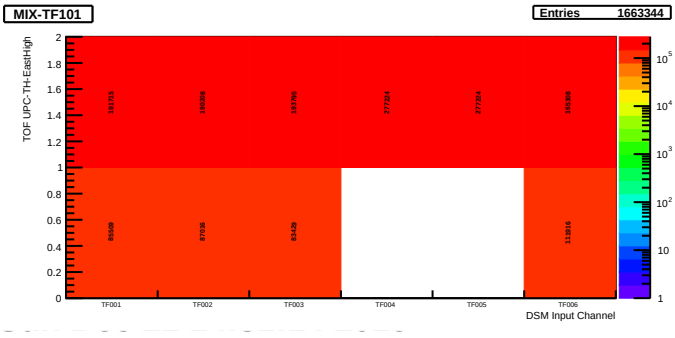

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

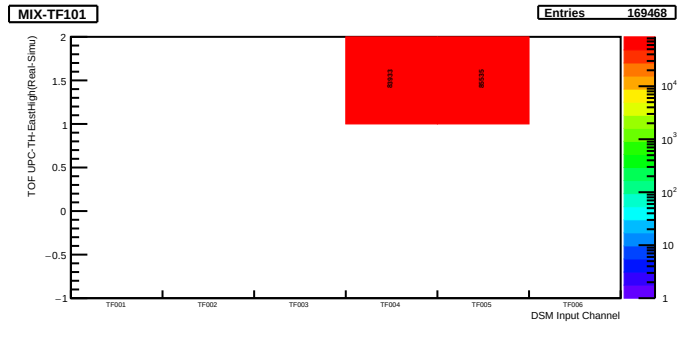

MIX-TF101
Entries 1663344
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

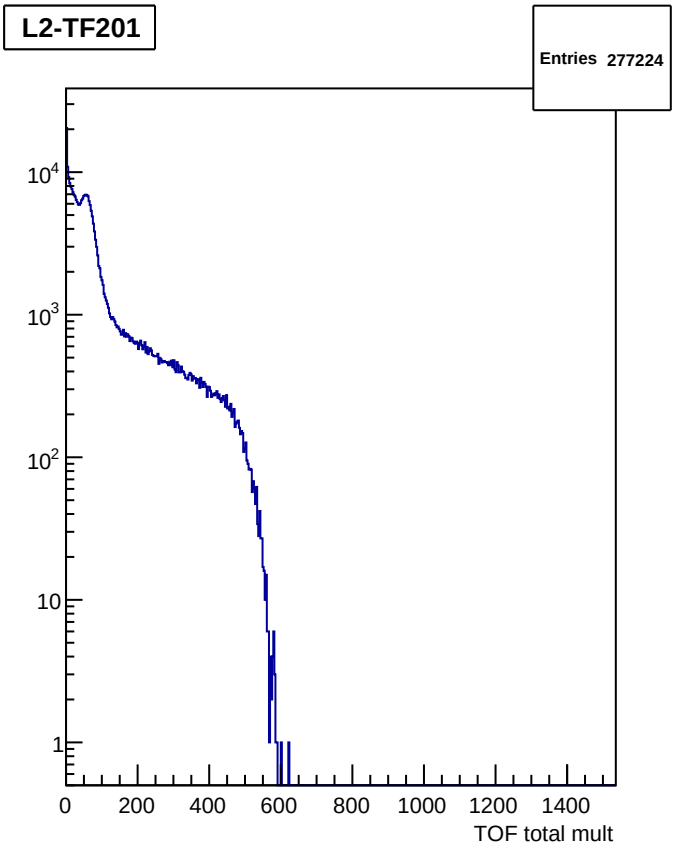

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

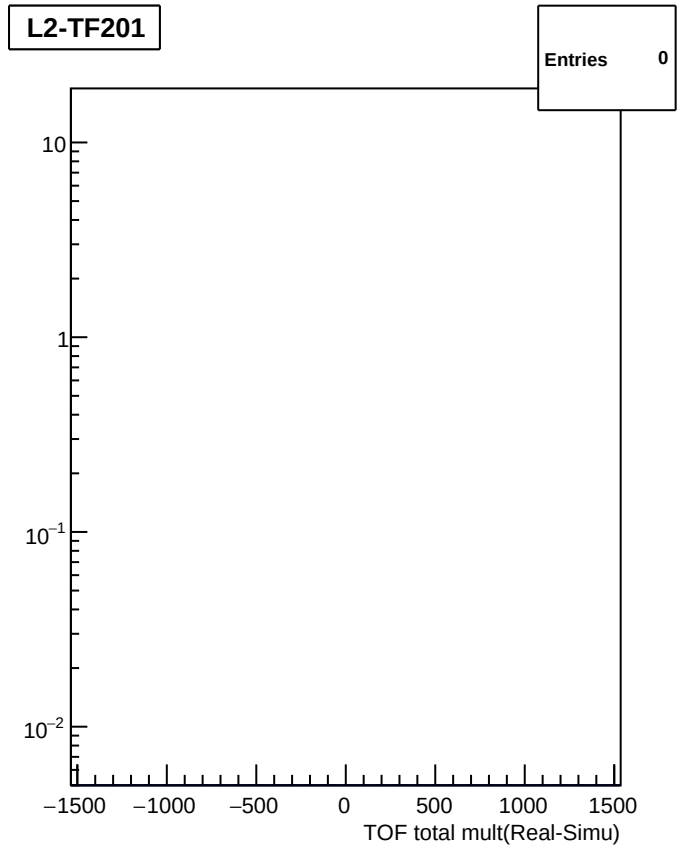

MIX-TF101
Entries 1663344
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

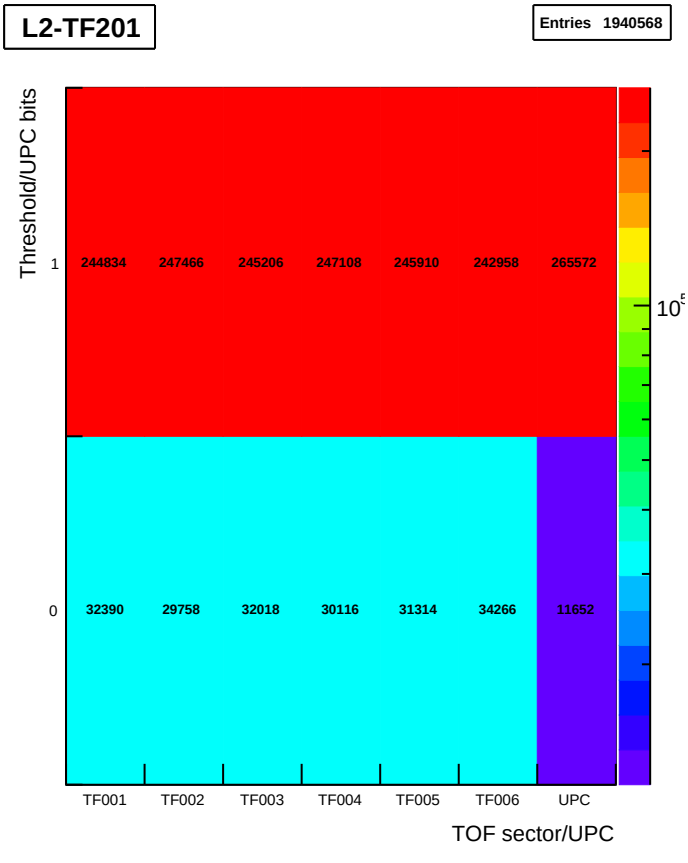

MIX-TF101
Entries 83208
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

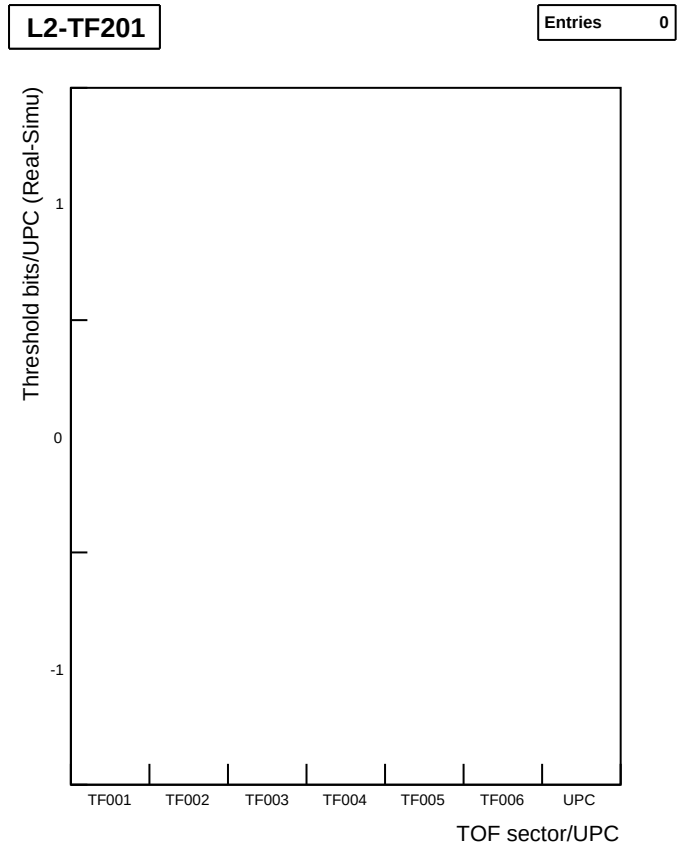

MIX-TF101
Entries 1663344
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

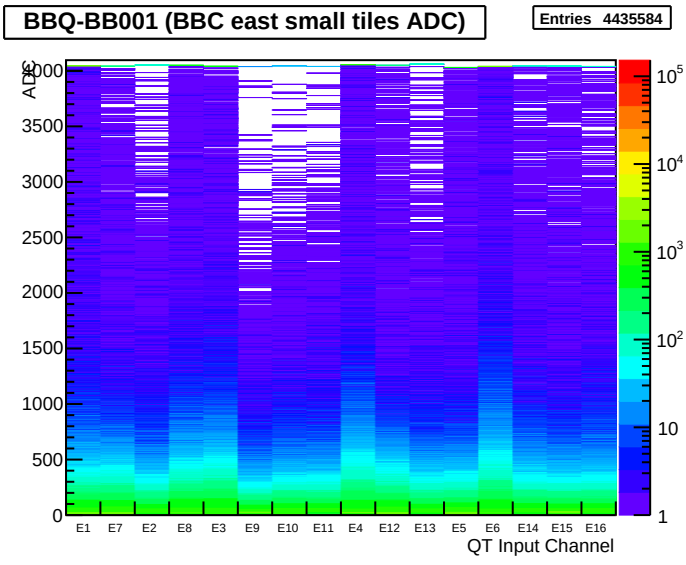

MIX-TF101
Entries 169468
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

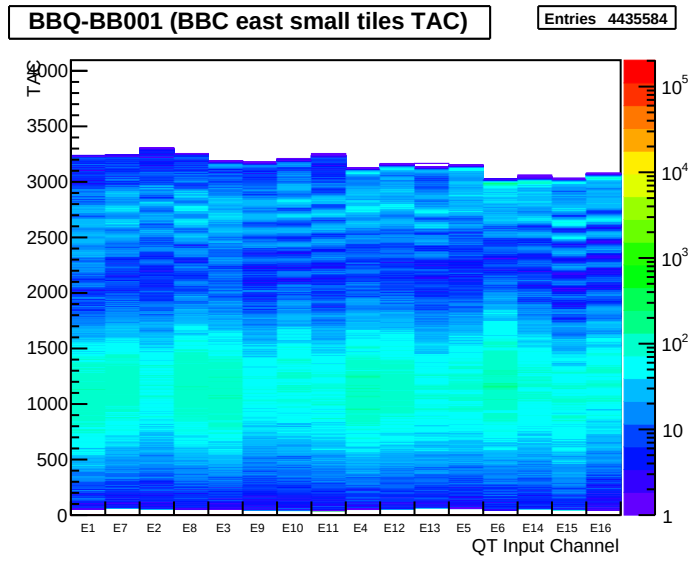

L2-TF201
Entries 277224
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

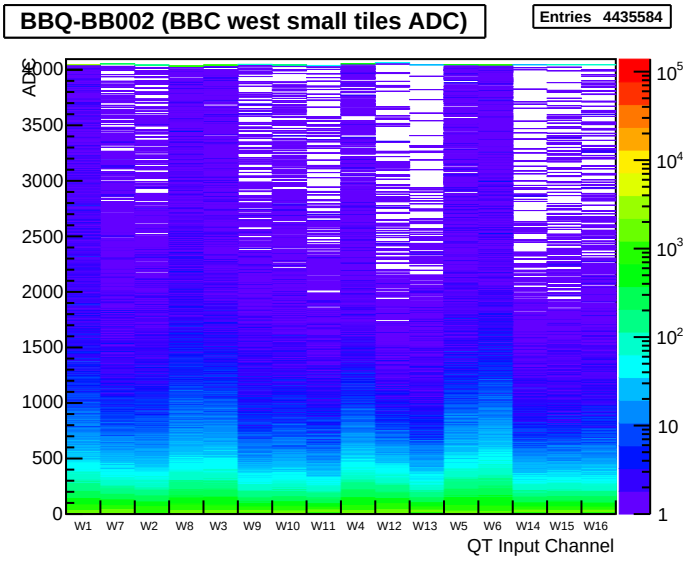

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

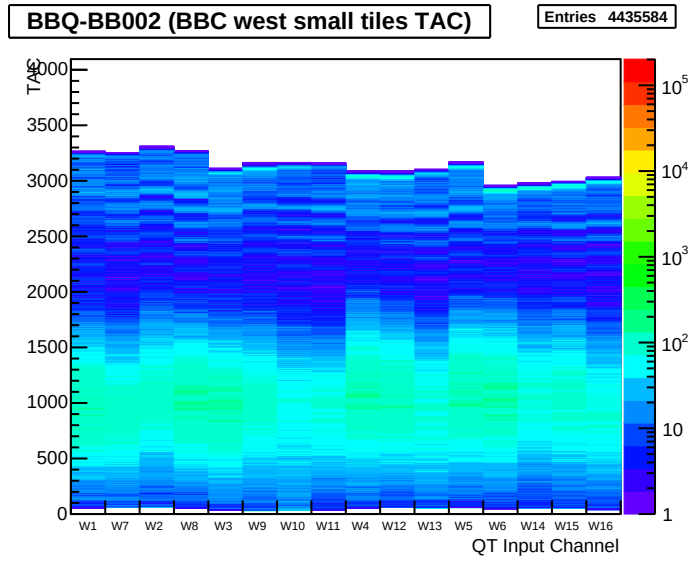

L2-TF201
Entries 1940568
Threshold/UPC bits
1
0
244834
247466
245206
247108
245910
242958
265572
32390
29758
32018
30116
31314
34266
11652
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

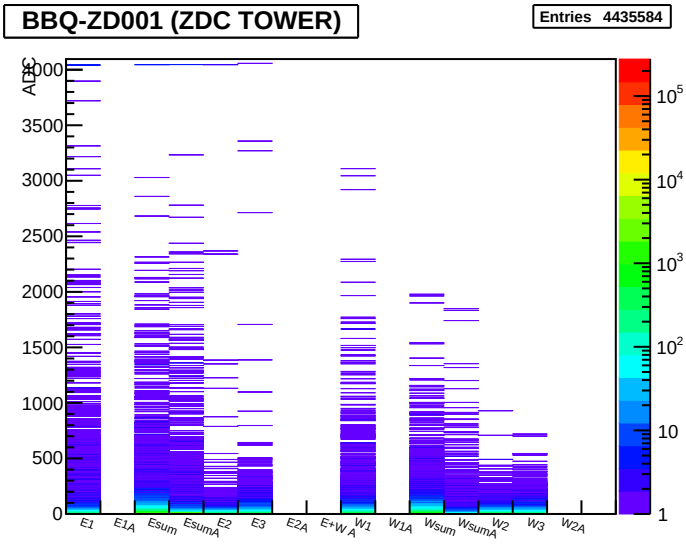

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

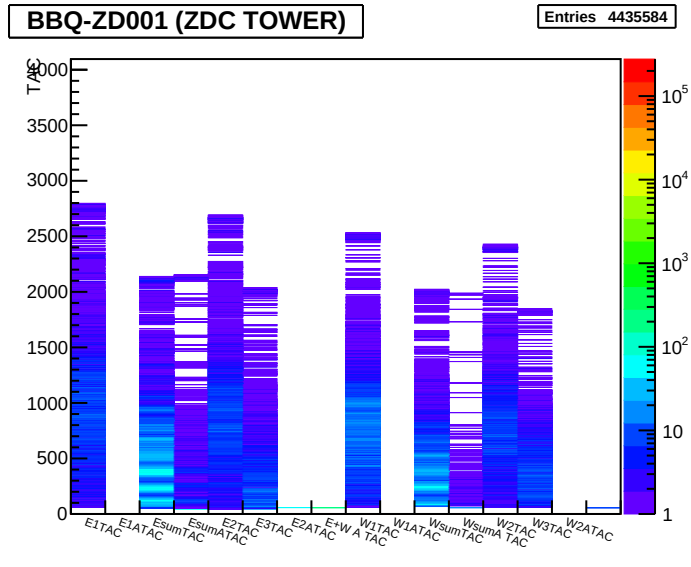

BBQ-BB001 (BBC east small tiles ADC)
Entries 4435584
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

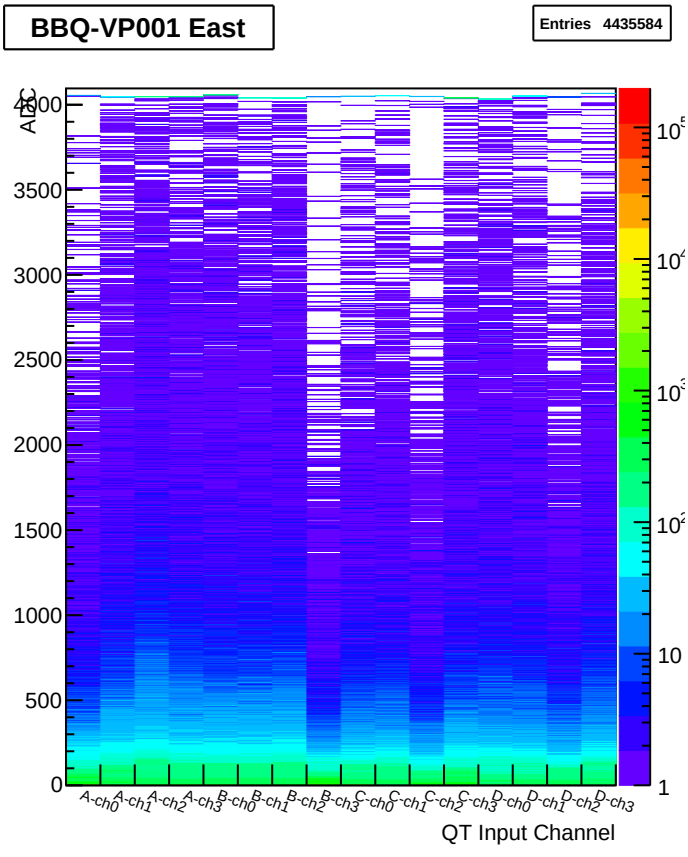

BBQ-BB001 (BBC east small tiles TAC)
Entries 4435584
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

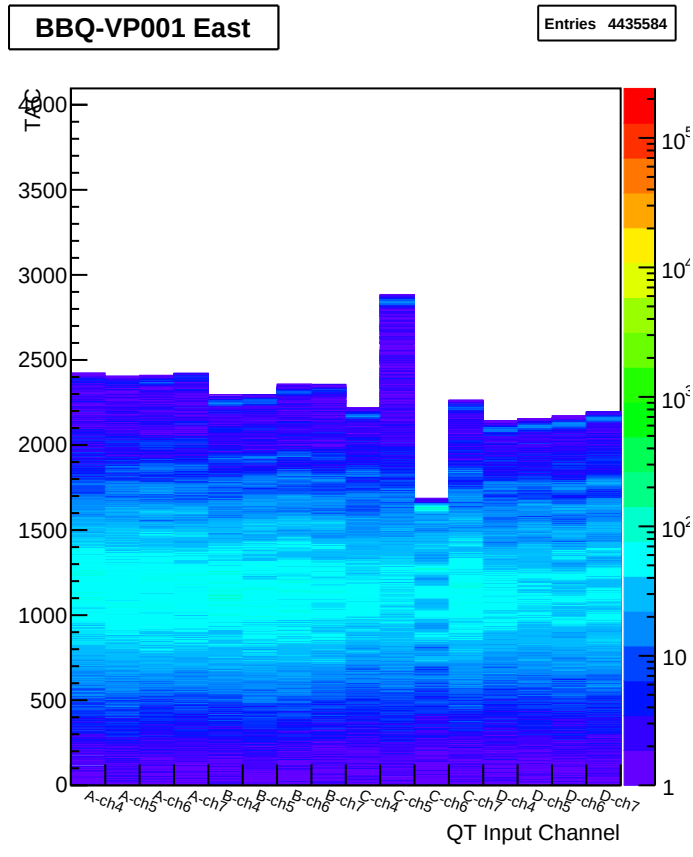

BBQ-BB002 (BBC west small tiles ADC)
Entries 4435584
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

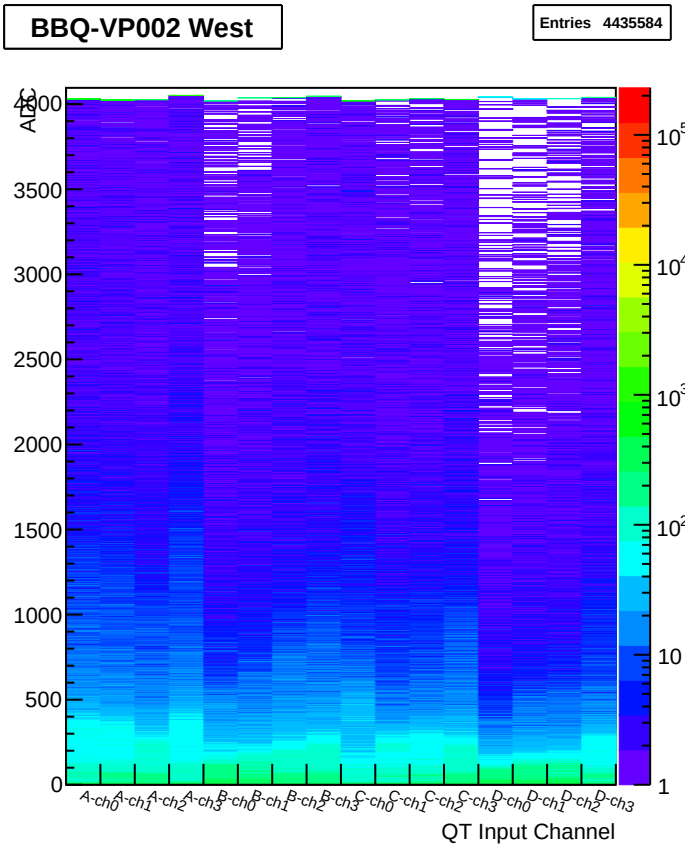

BBQ-BB002 (BBC west small tiles TAC)
Entries 4435584
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

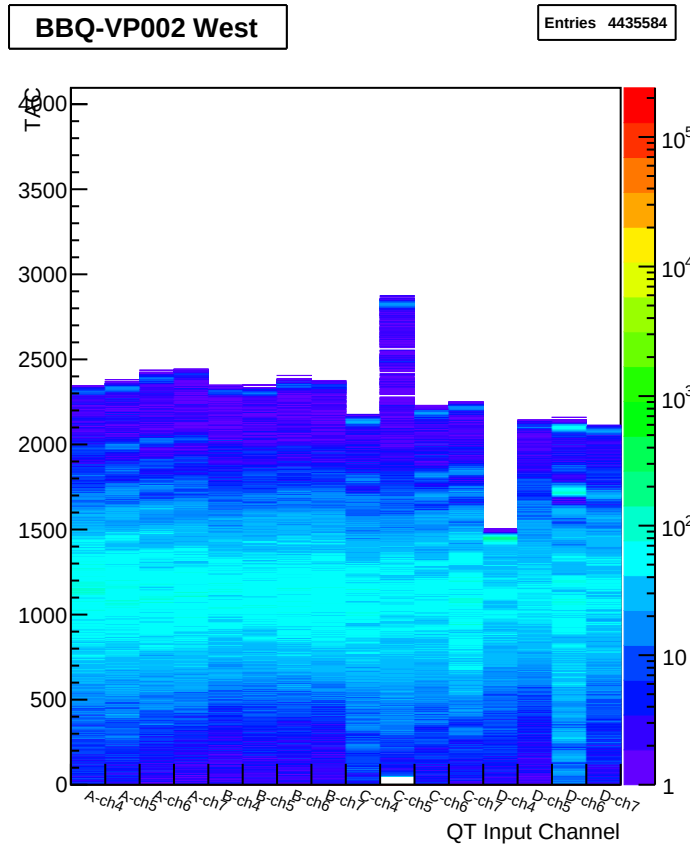

BBQ-ZD001 (ZDC TOWER)
Entries 4435584
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

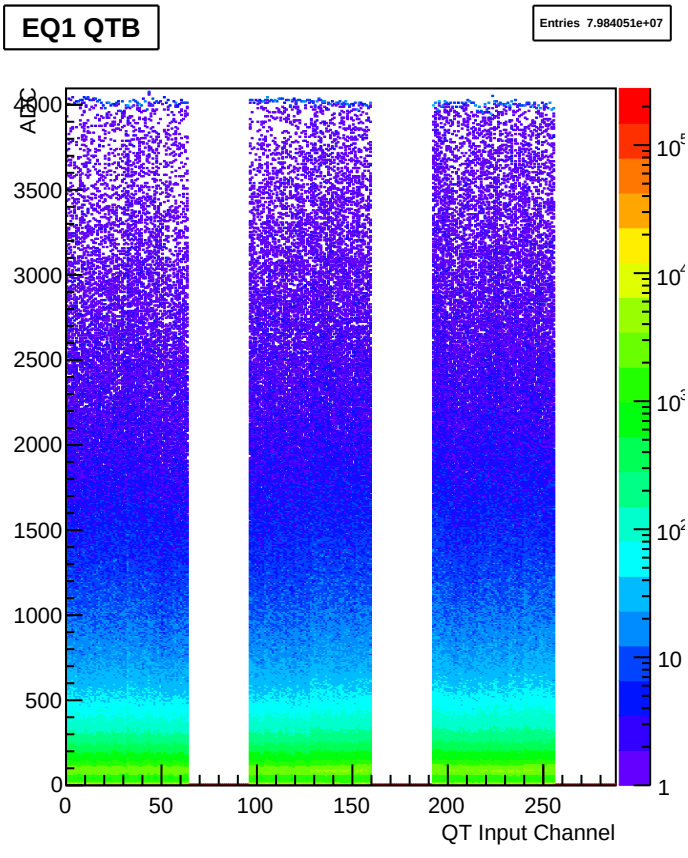

BBQ-ZD001 (ZDC TOWER)
Entries 4435584
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

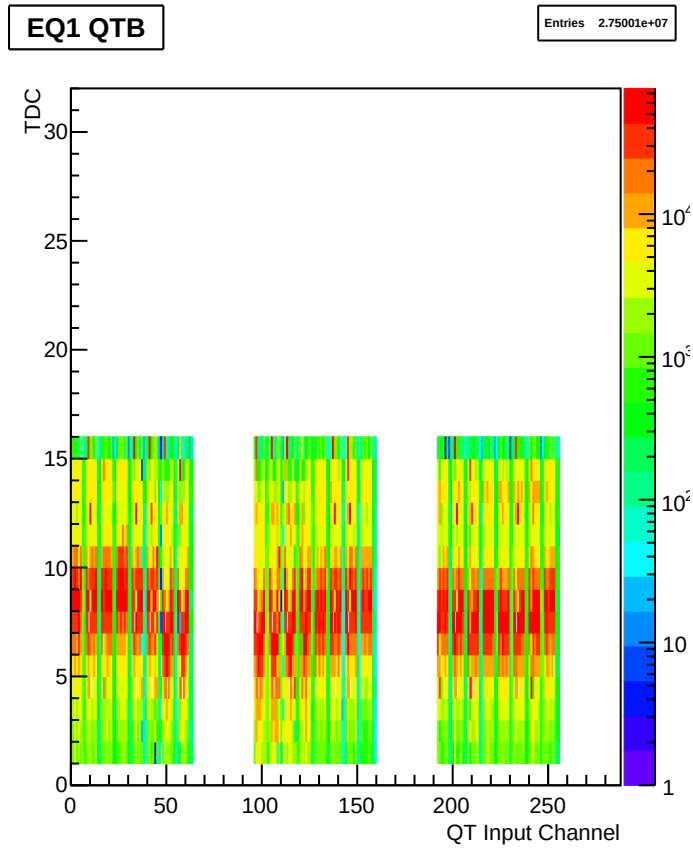

BBQ-VP001 East
Entries 4435584
ADC
QT Input Channel

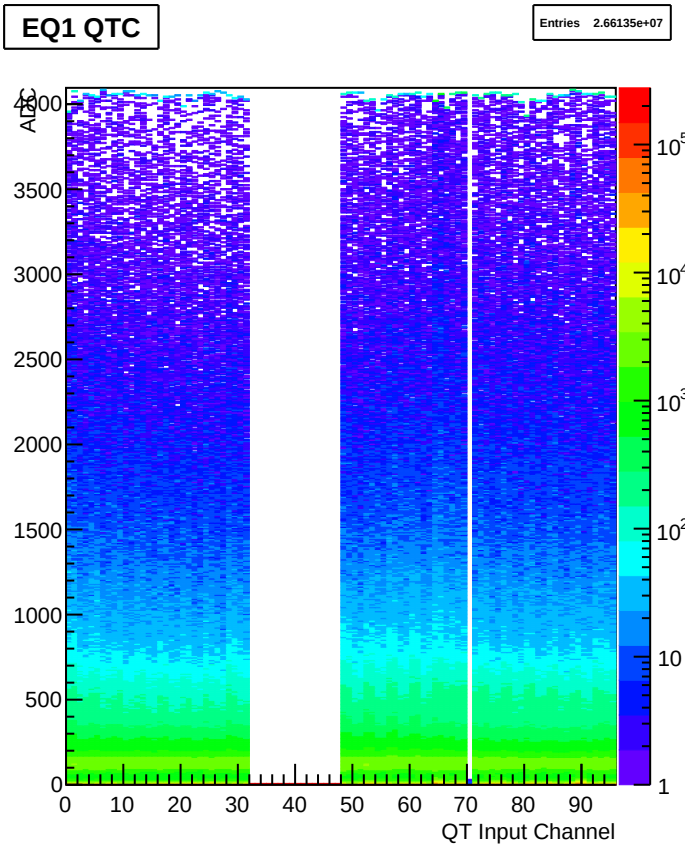

BBQ-VP001 East
Entries 4435584
TADC
QT Input Channel

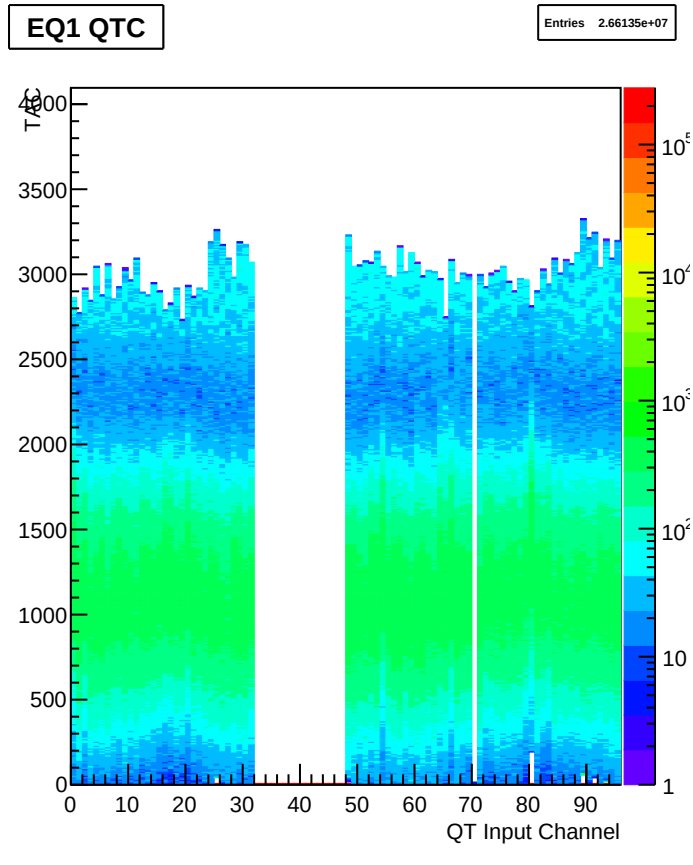

BBQ-VP002 West
Entries 4435584
ADC
QT Input Channel

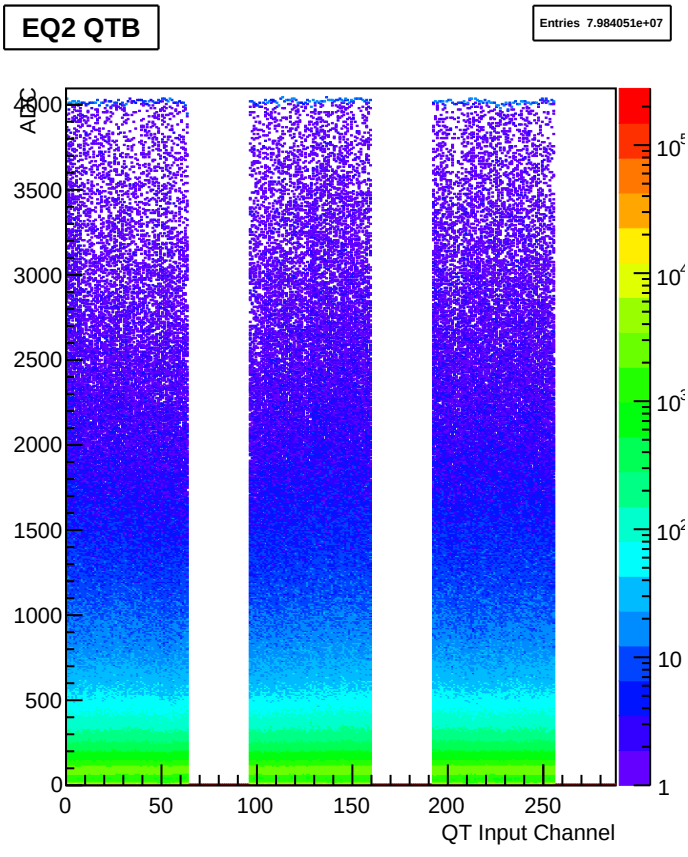

BBQ-VP002 West
Entries 4435584
TADC
QT Input Channel

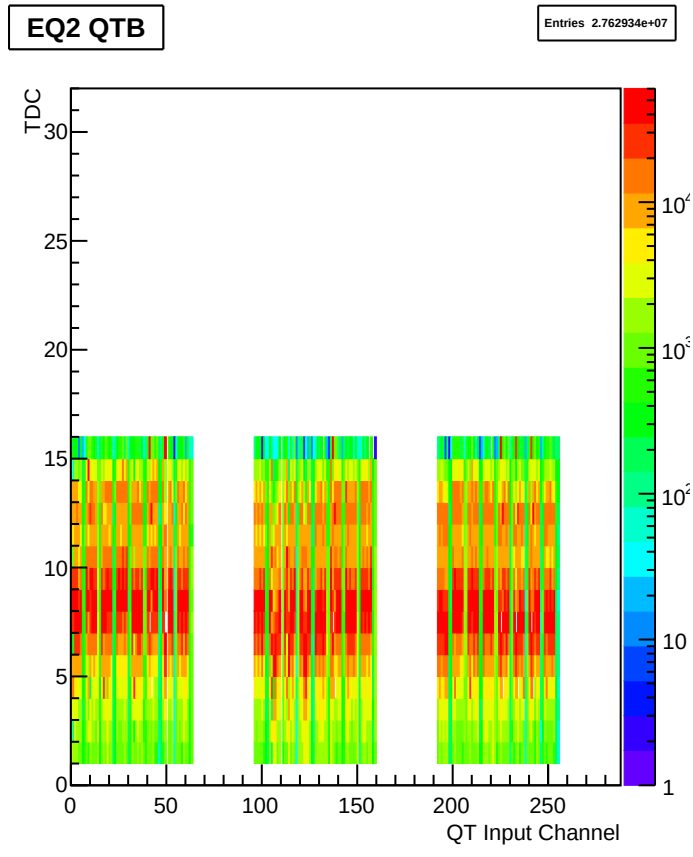

EQ1 QTB
Entries 7.984051e+07
ADC
QT Input Channel

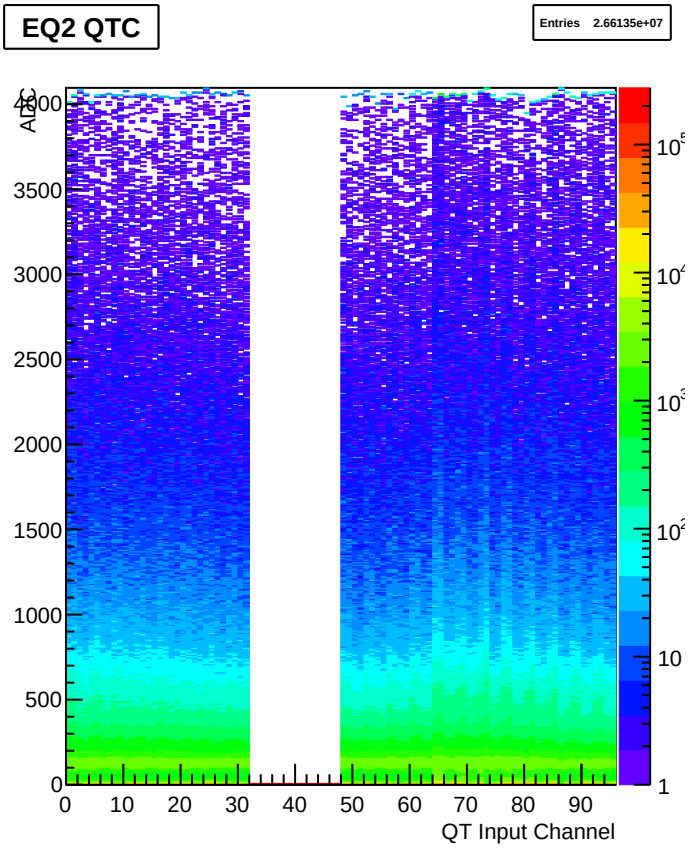

EQ1 QTB
Entries 2.75001e+07
TDC
QT Input Channel

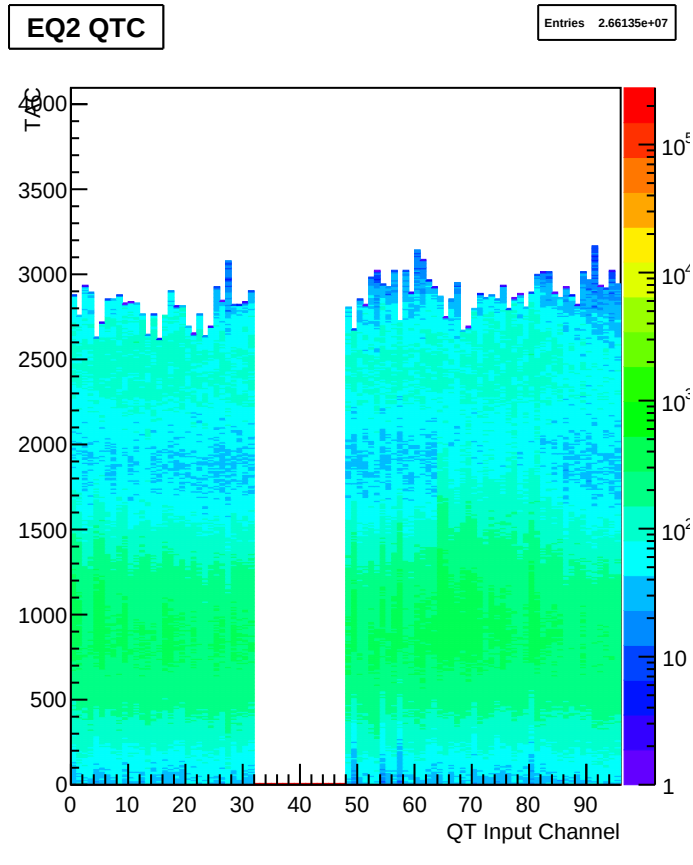

EQ1 QTC
Entries 2.66135e+07
ADC
QT Input Channel

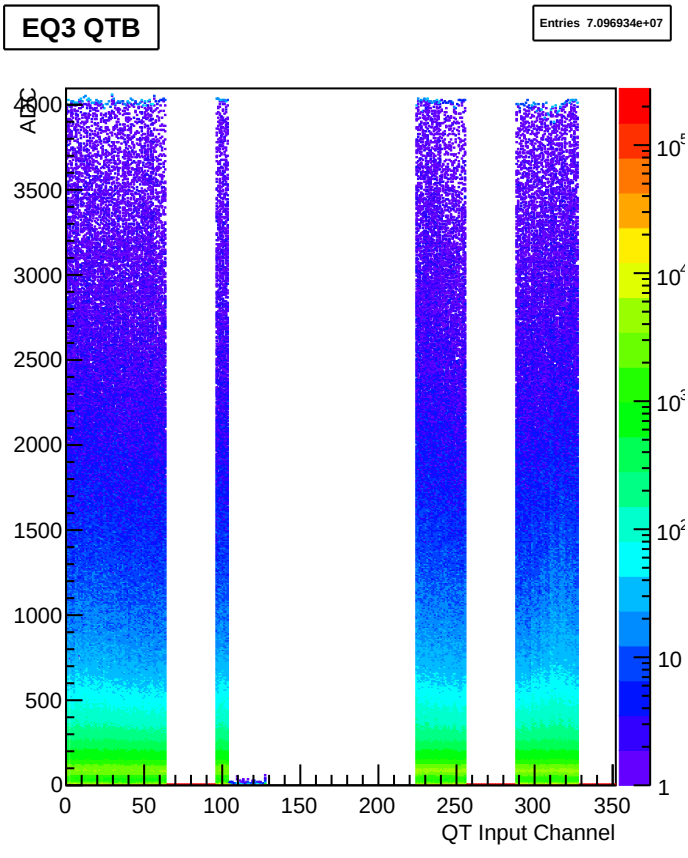

EQ1 QTC
Entries 2.66135e+07
TADC
QT Input Channel

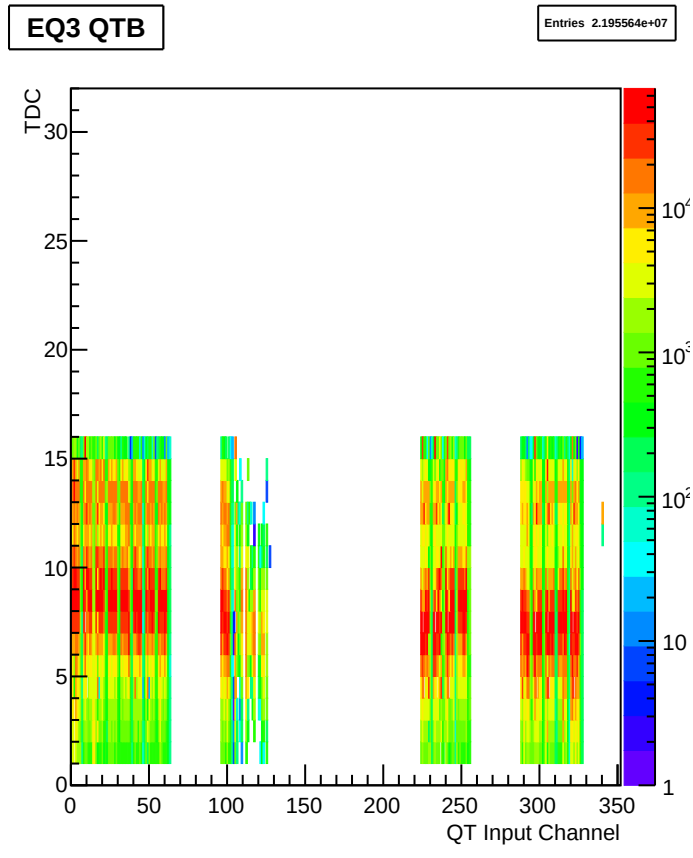

EQ2 QTB
Entries 7.984051e+07
ADC
QT Input Channel

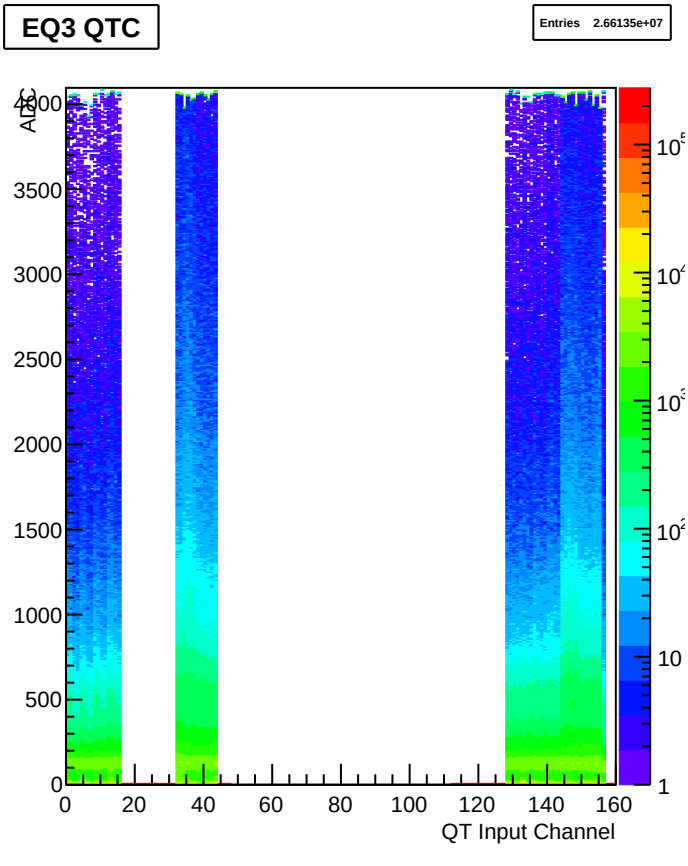

EQ2 QTB
Entries 2.762934e+07
TDC
QT Input Channel

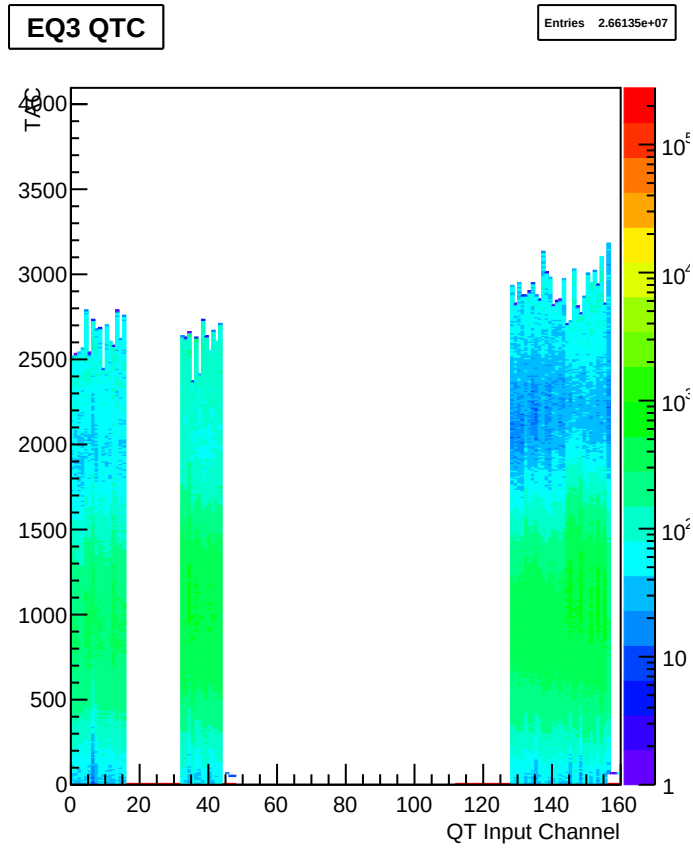

EQ2 QTC
Entries 2.66135e+07
ADC
QT Input Channel

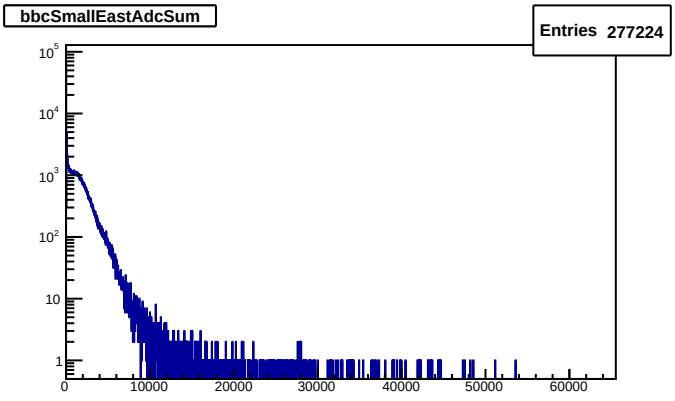

EQ2 QTC
Entries 2.66135e+07
TADC
QT Input Channel

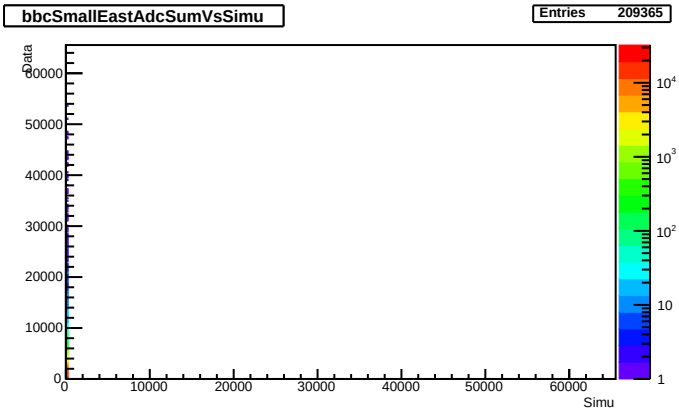

EQ3 QTB
Entries 7.096934e+07
ADC
QT Input Channel

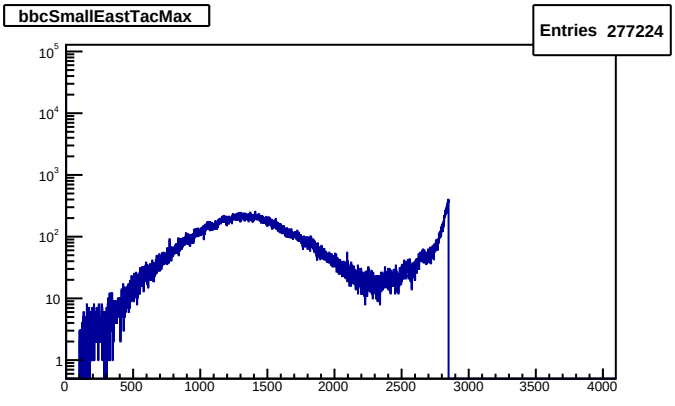

EQ3 QTB
Entries 2.195564e+07
TDC
QT Input Channel

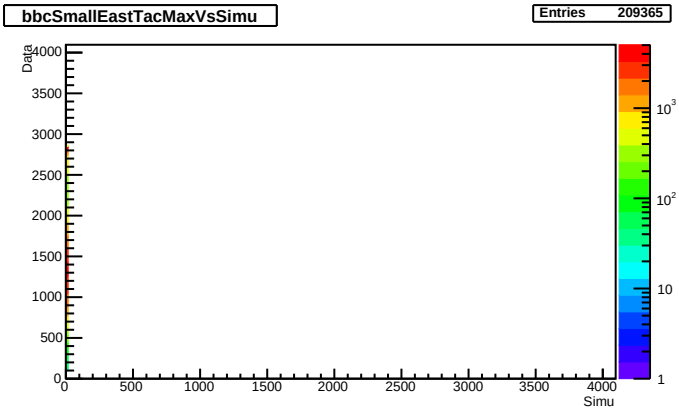

EQ3 QTC
Entries 2.66135e+07
ADC
QT Input Channel

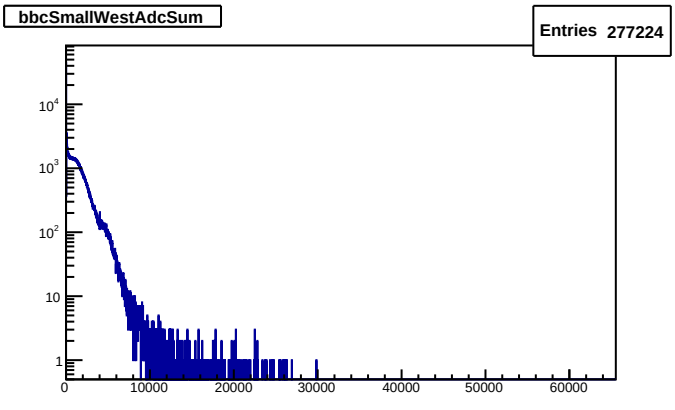

EQ3 QTC
Entries 2.66135e+07
TADC
QT Input Channel

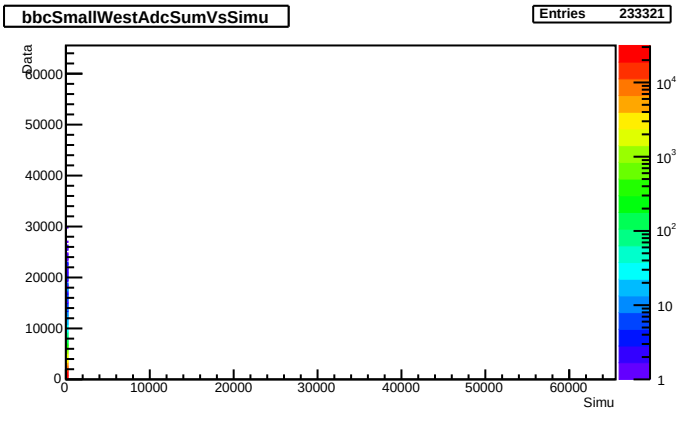

bbcSmallEastAdcSum
Entries 277224

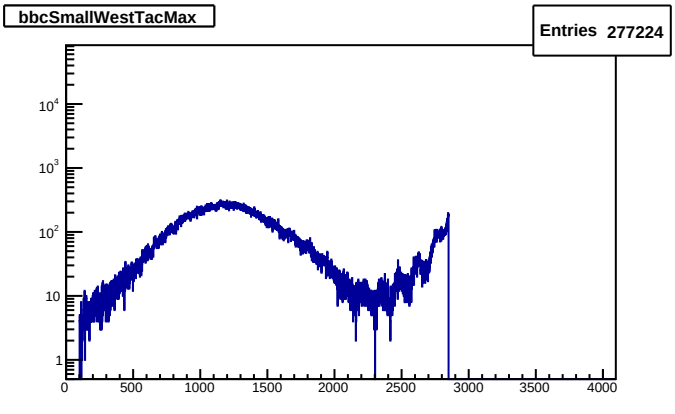

bbcSmallEastAdcSumVsSimu
Entries 209365
Data
Simu

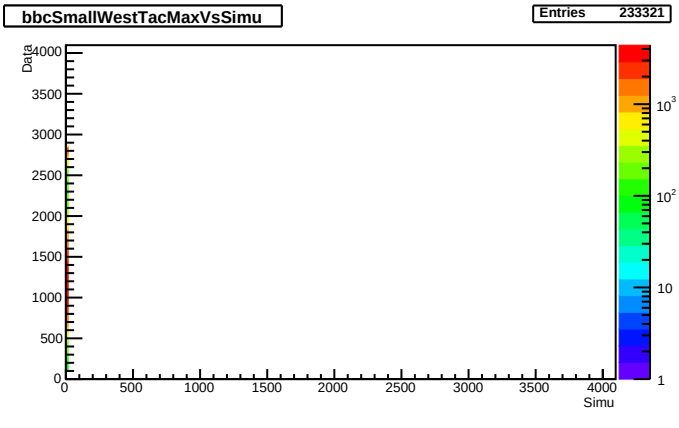

bbcSmallEastTacMax
Entries 277224

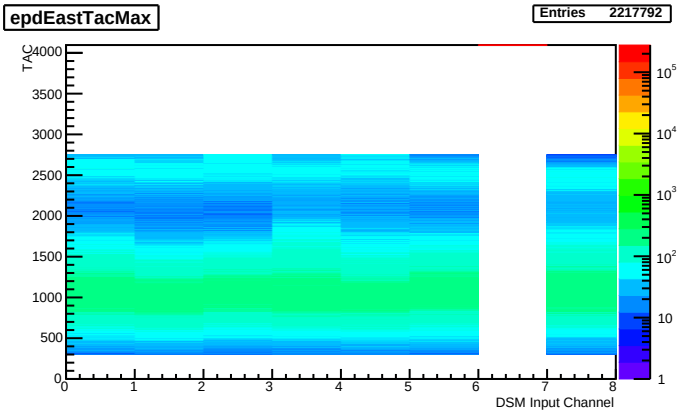

bbcSmallEastTacMaxVsSimu
Entries 209365
Data
Simu

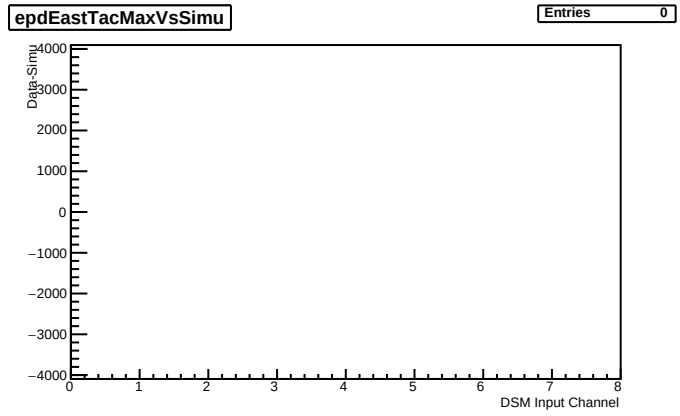

bbcSmallWestAdcSum
Entries 277224

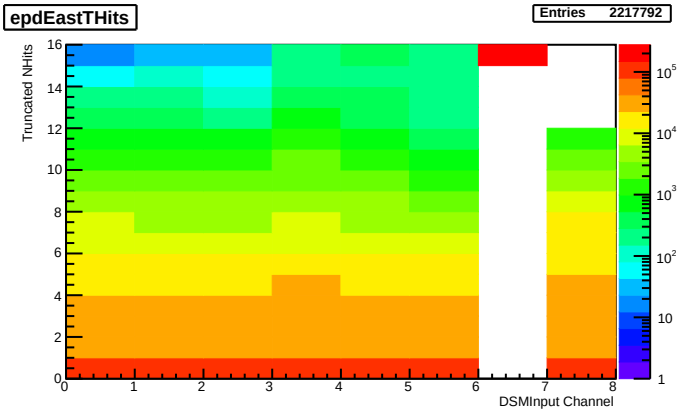

bbcSmallWestAdcSumVsSimu
Entries 233321
Data
Simu

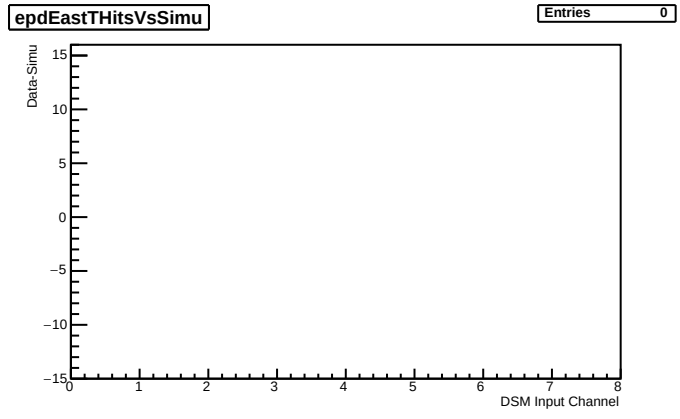

bbcSmallWestTacMax
Entries 277224


bbcSmallWestTacMaxVsSimu
Entries 233321
Data
Simu


epdEastTacMax
Entries 2217792
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2217792
Truncated NHits
DSMInput Channel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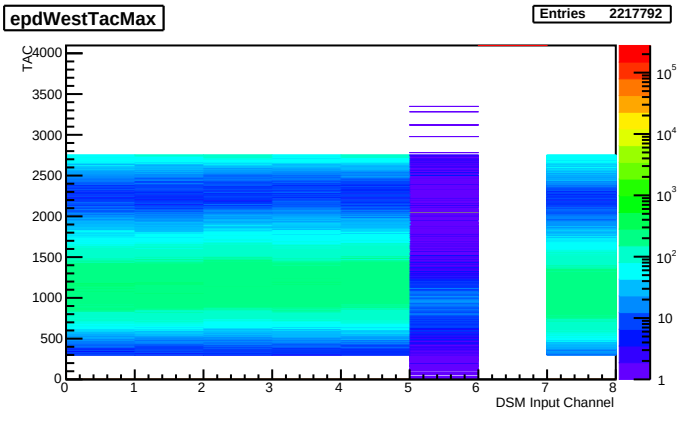
Data-Simu
DSM Input Channel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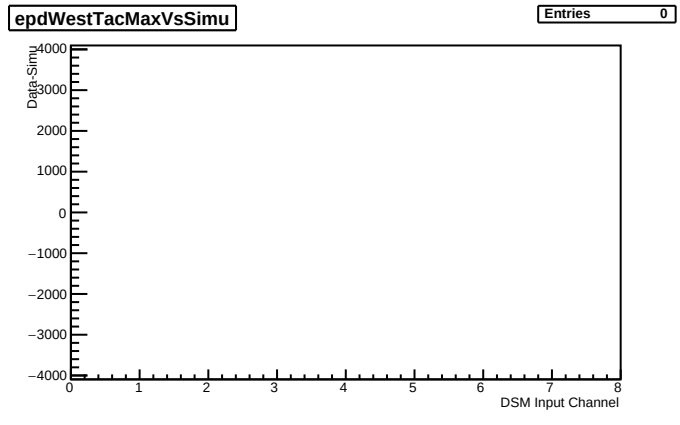
Entries 2217792
TAC
DSM Input Channel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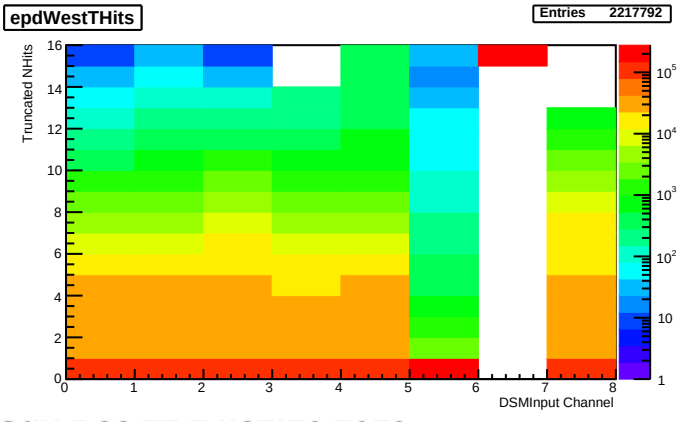
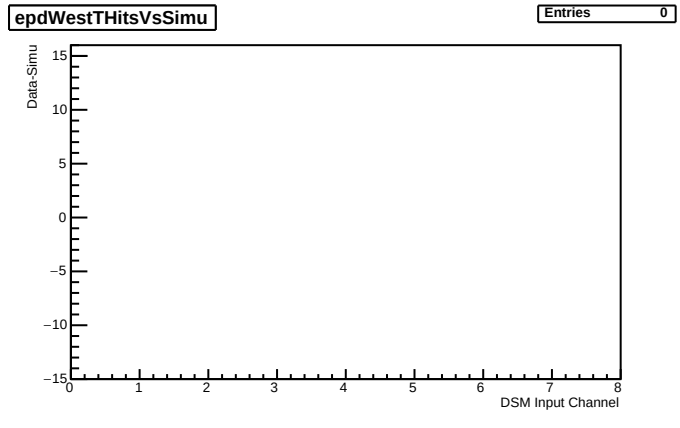
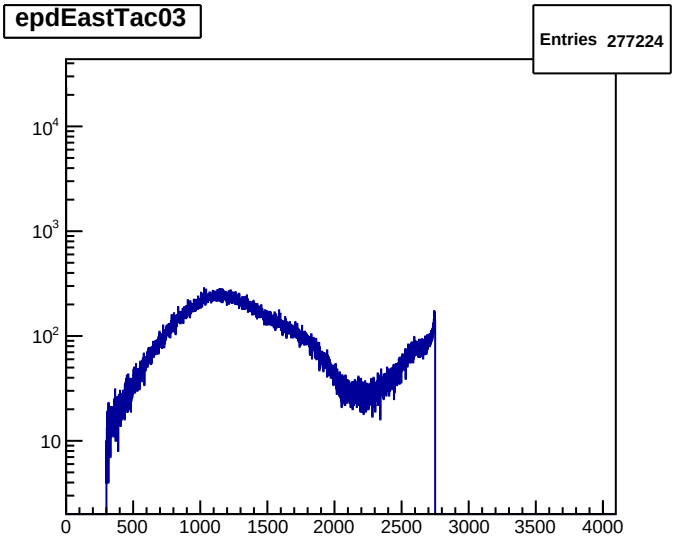
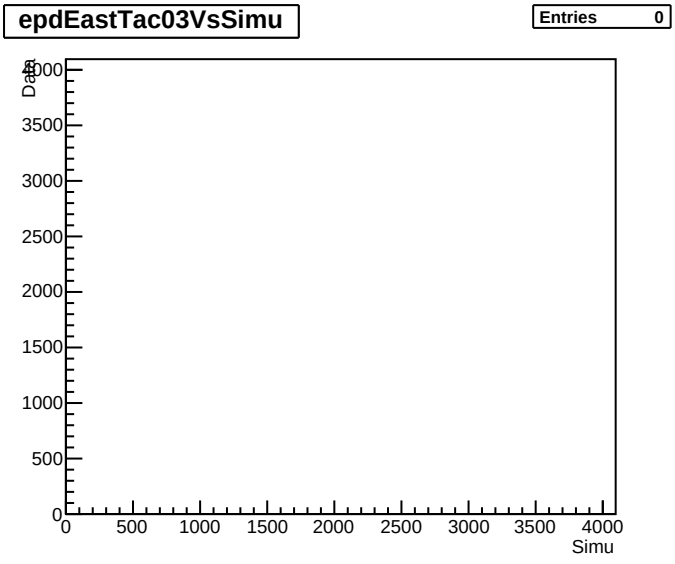
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2217792
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 277224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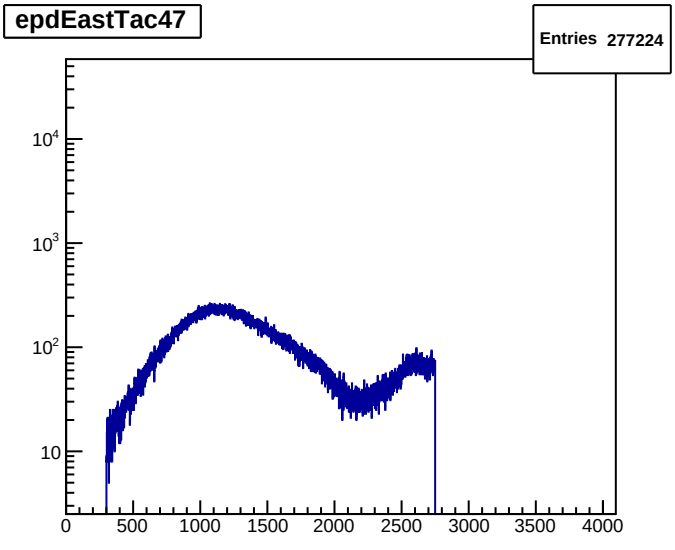
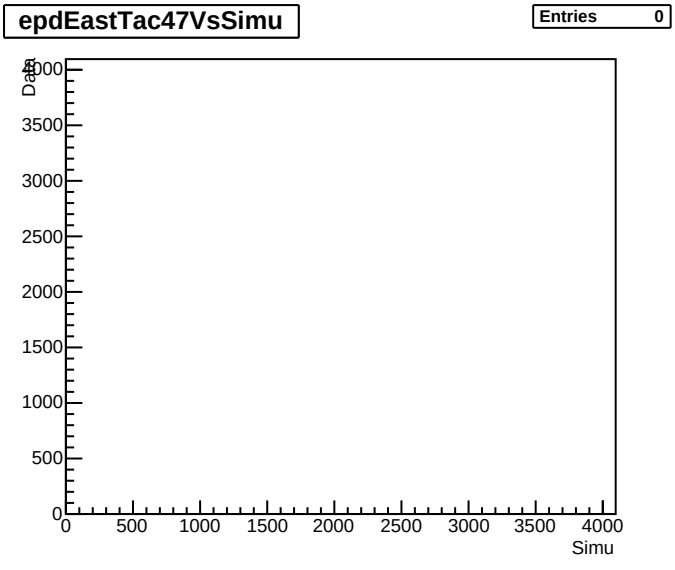
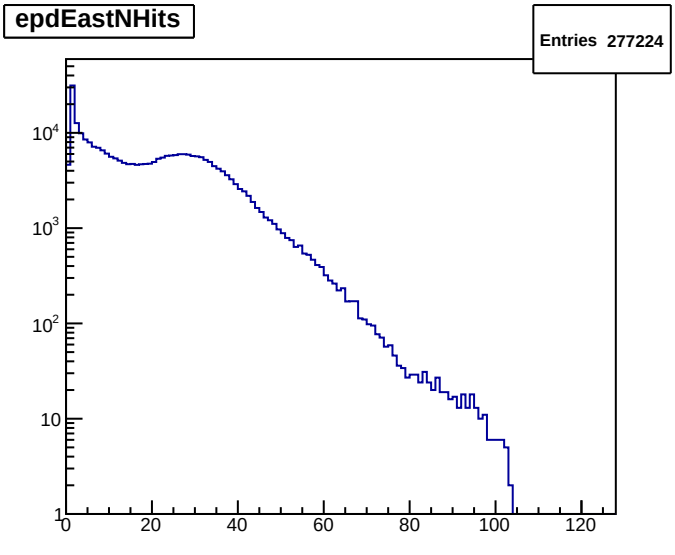
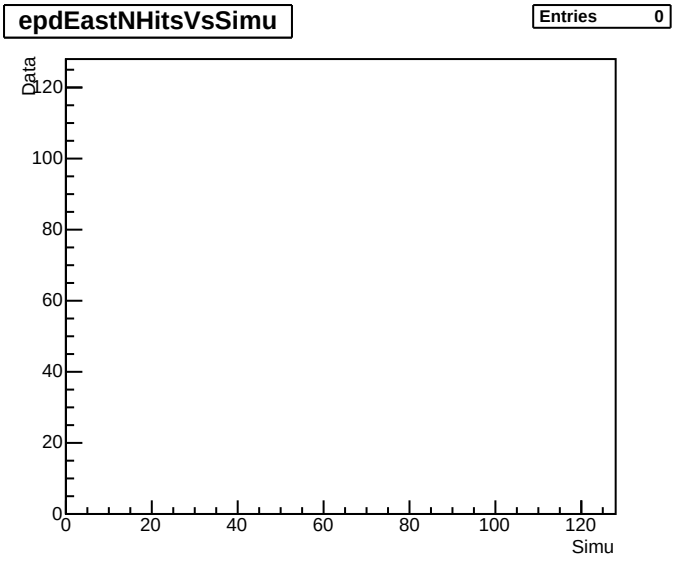
Entries 0
Data
Simu


epdEastTac47
Entries 277224


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 277224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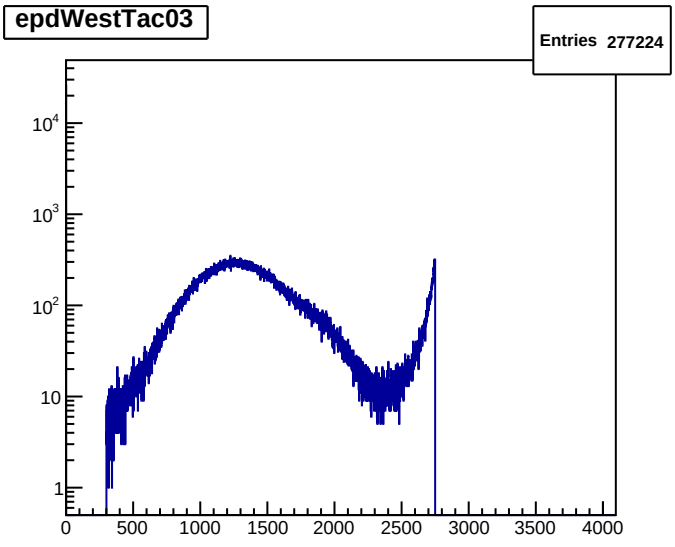
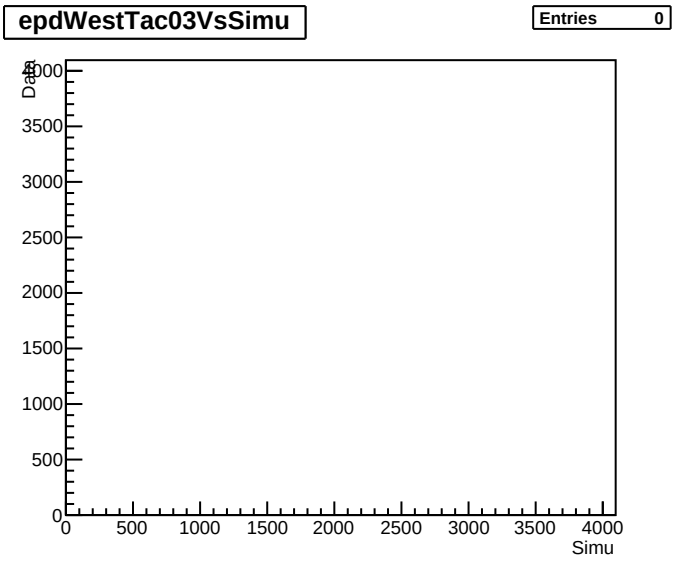
Entries 0
Data
Simu


epdWestTac03
Entries 277224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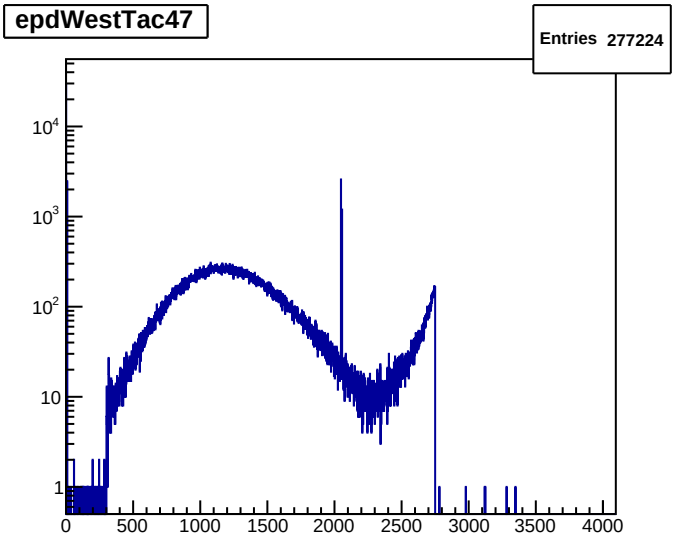
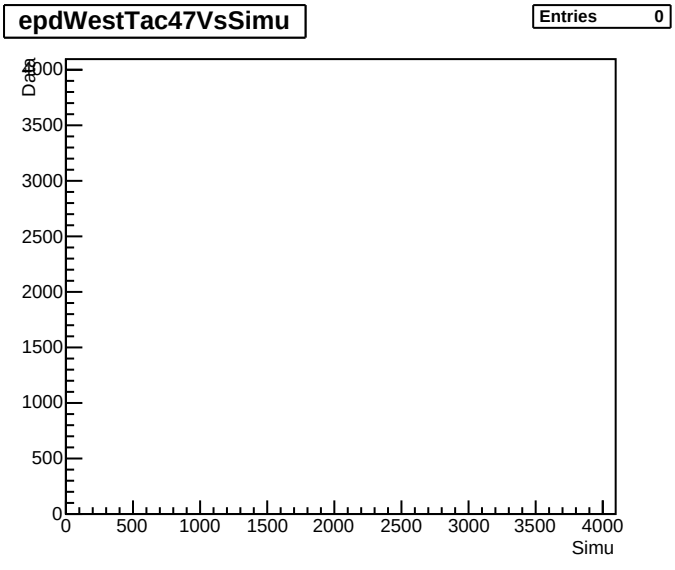
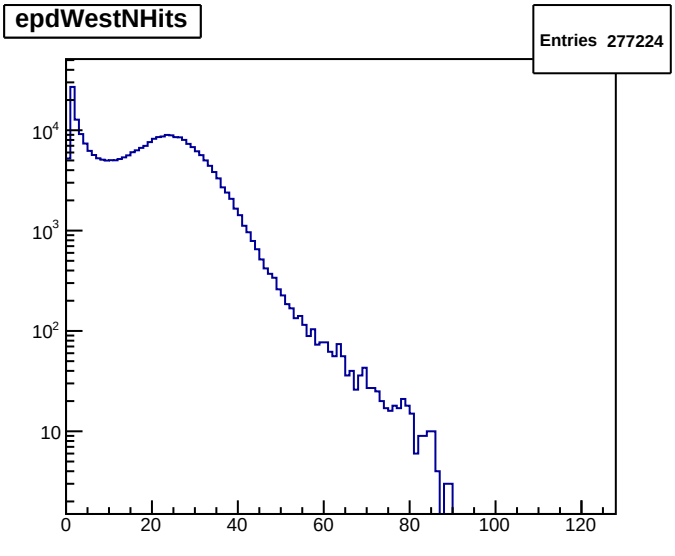
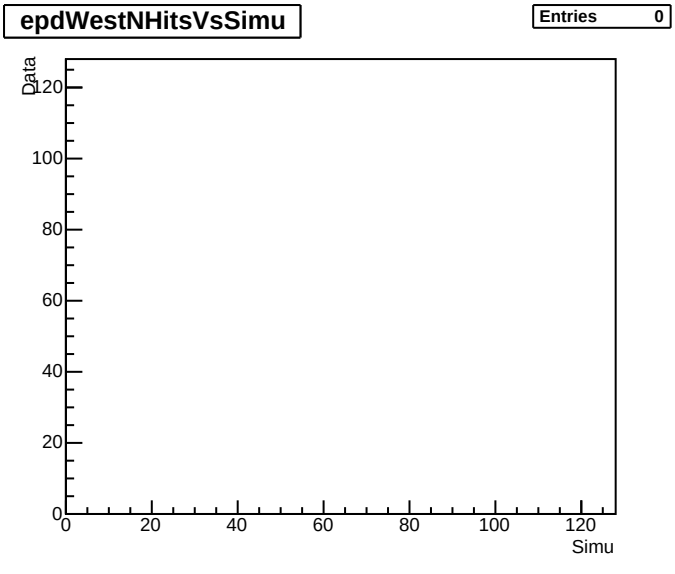
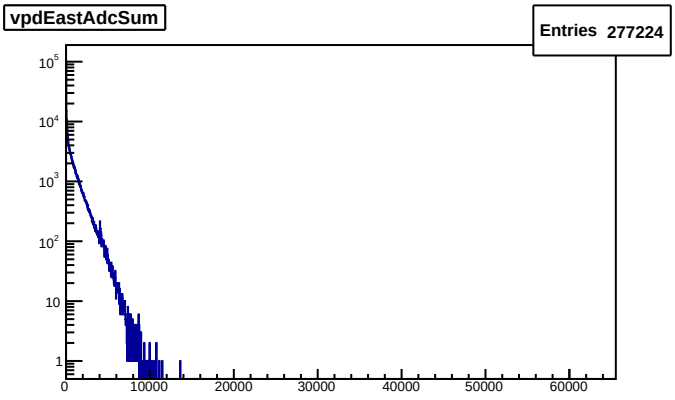
Entries 0
Data
Simu

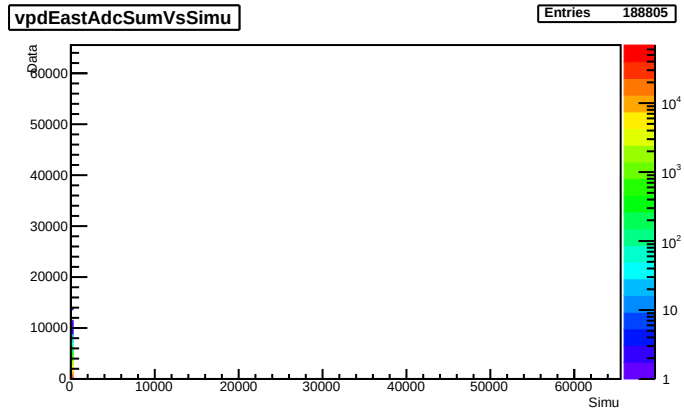

epdWestTac47
Entries 277224

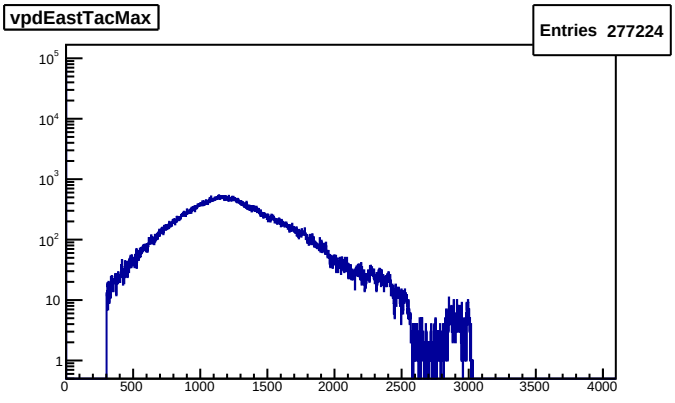

epdWestTac47VsSimu
Entries 0
Data
Simu

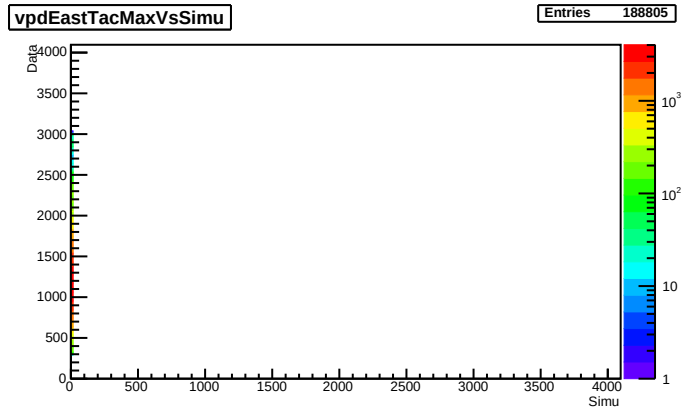

epdWestNHits
Entries 277224

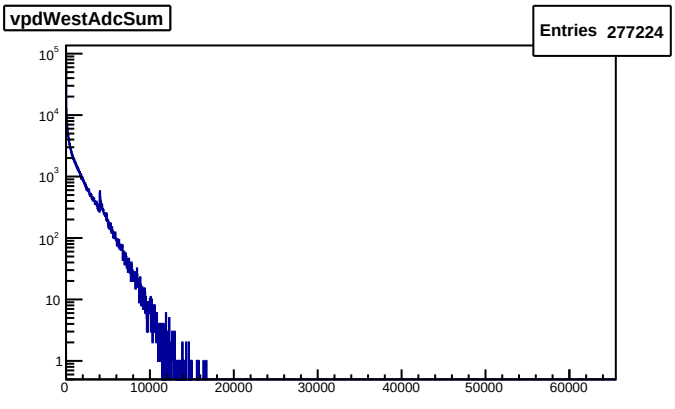

epdWestNHitsVsSimu
Entries 0
Data
Simu

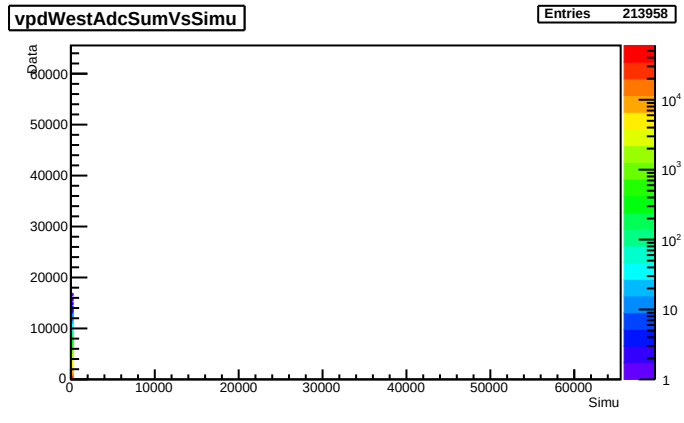

vpdEastAdcSum
Entries 277224

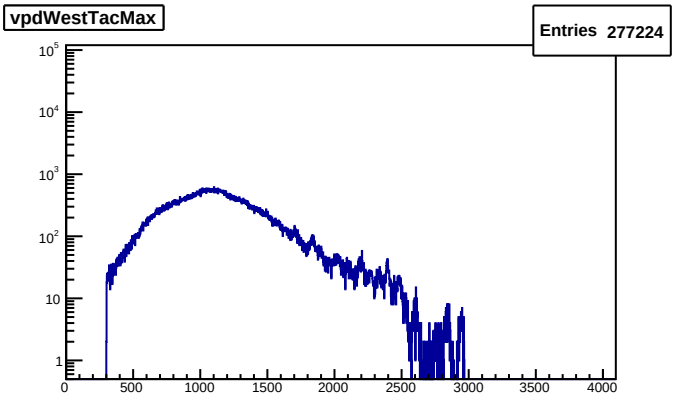

vpdEastAdcSumVsSimu
Entries 188805
Data
Simu

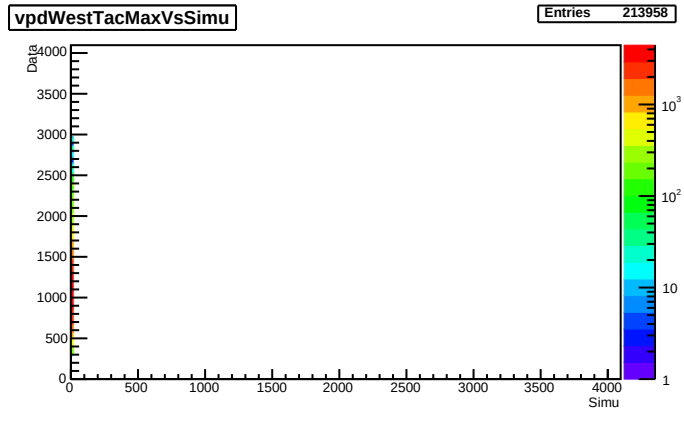

vpdEastTacMax
Entries 277224

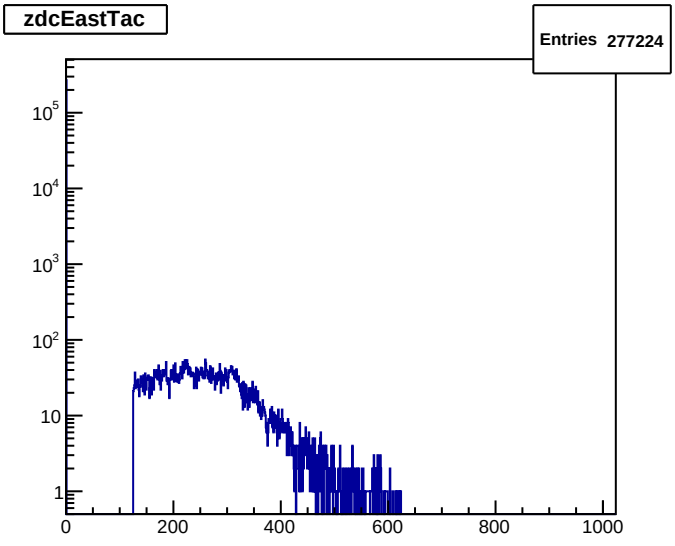

vpdEastTacMaxVsSimu
Entries 188805
Data
Simu

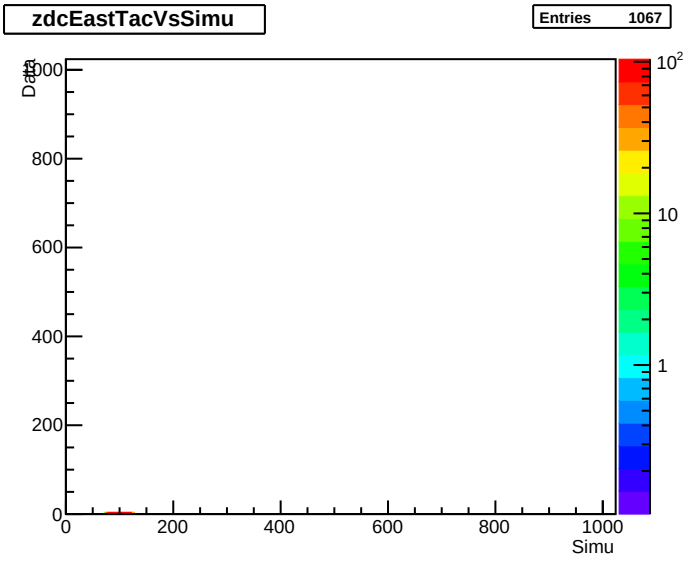

vpdWestAdcSum
Entries 277224

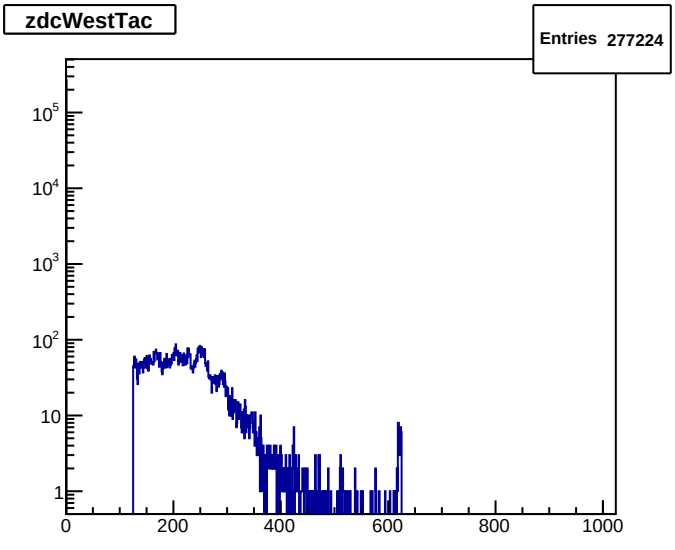

vpdWestAdcSumVsSimu
Entries 213958
Data
Simu

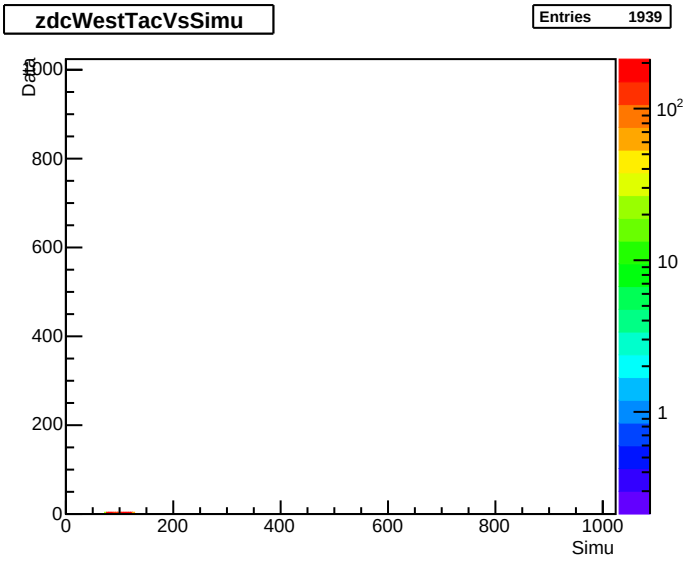

vpdWestTacMax
Entries 277224

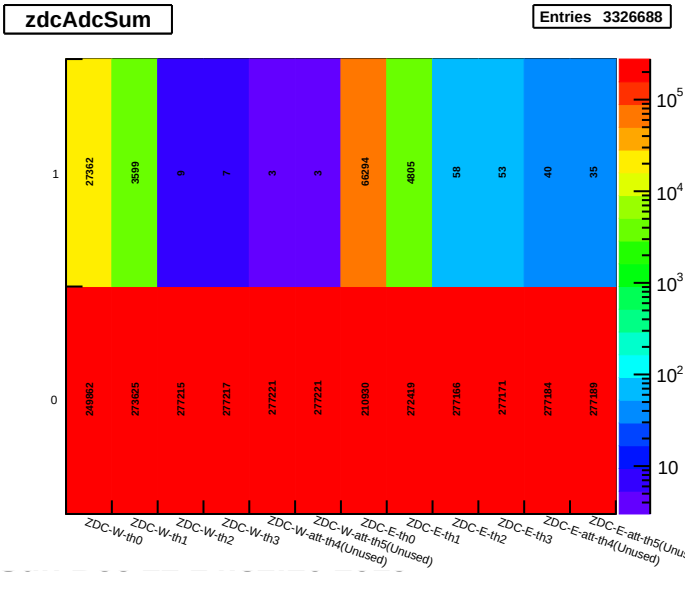

vpdWestTacMaxVsSimu
Entries 213958
Data
Simu

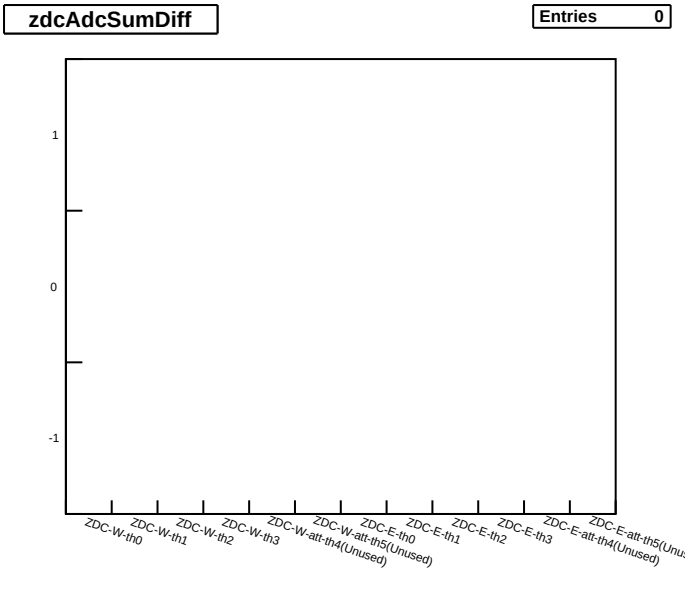

zdcEastTac
Entries 277224

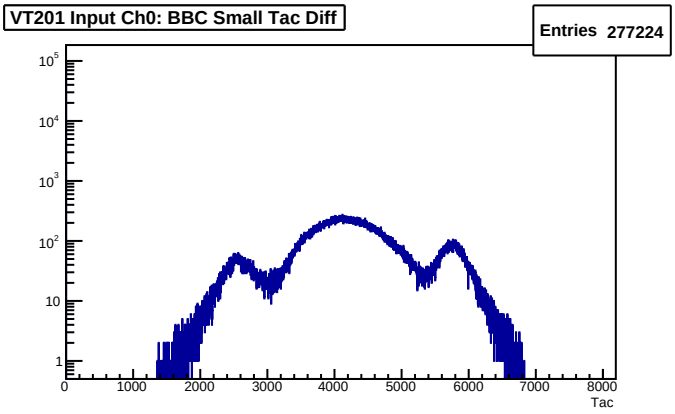

zdcEastTacVsSimu
Entries 1067
Data
Simu

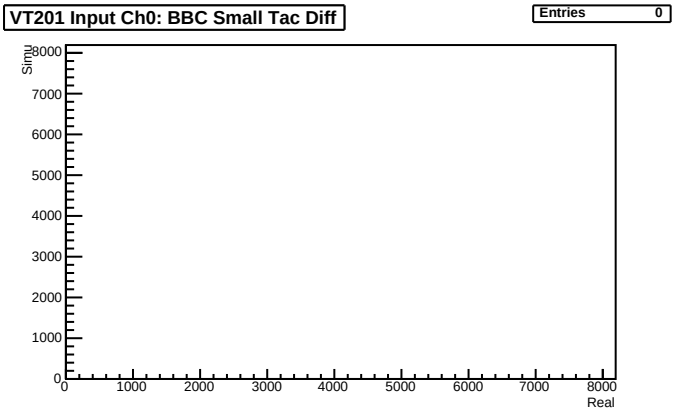

zdcWestTac
Entries 277224

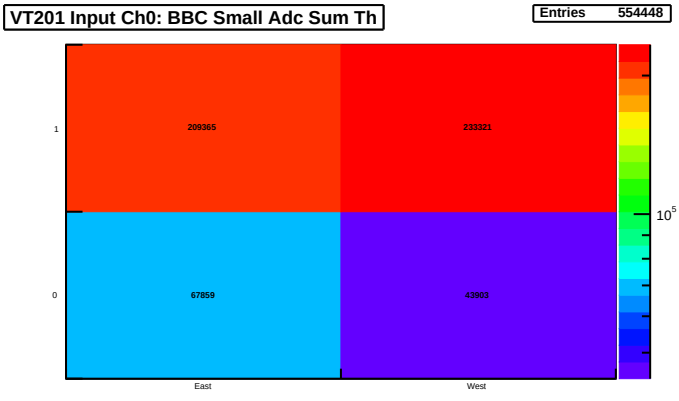

zdcWestTacVsSimu
Entries 1939
Data
Simu

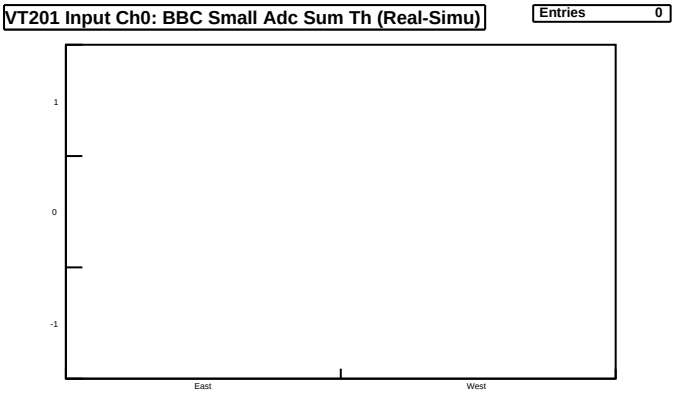

zdcAdcSum
Entries 3326688
27362
3599
9
7
3
3
66294
4805
58
53
40
35
249862
273625
277215
277217
277221
277221
210930
272419
277166
277171
277184
277189
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

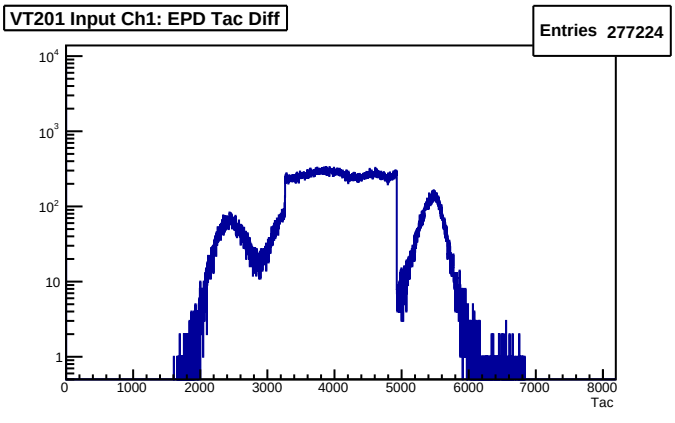

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

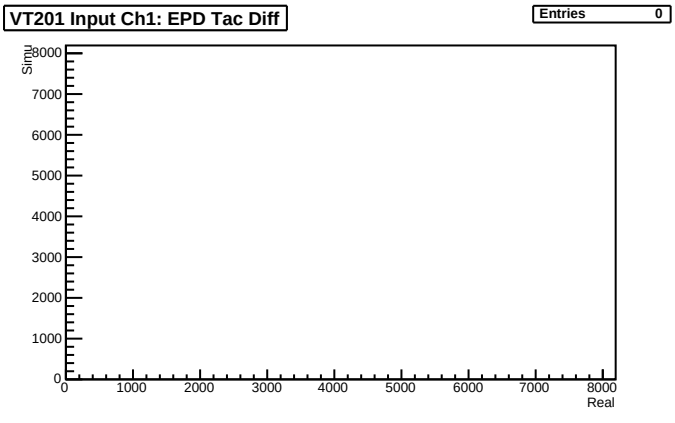

VT201 Input Ch0: BBC Small Tac Diff
Entries 277224
Tac

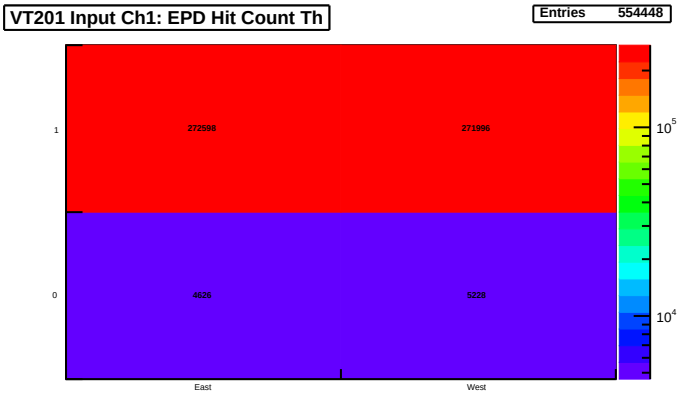

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

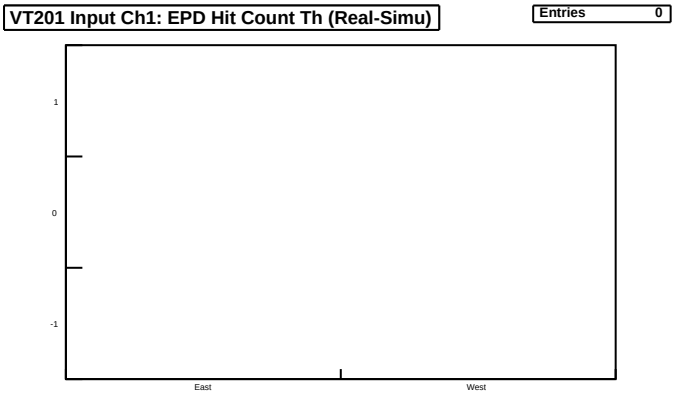

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 554448
209365
233321
67859
43903
East
West

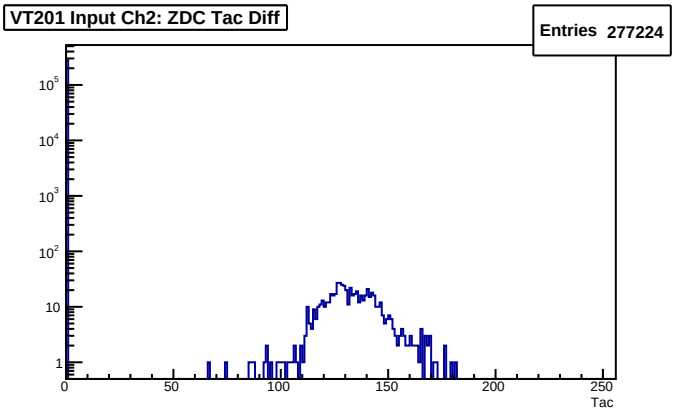

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

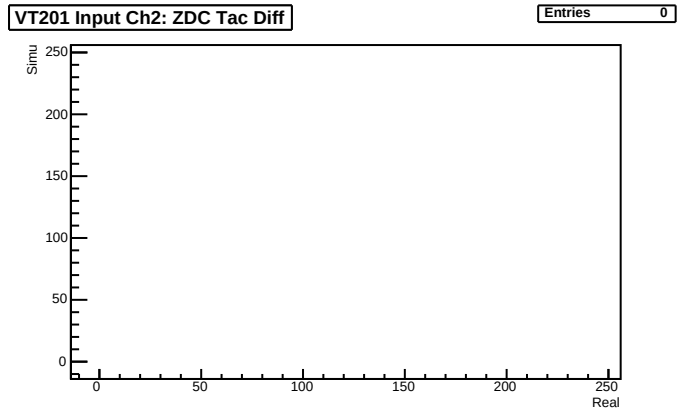

VT201 Input Ch1: EPD Tac Diff
Entries 277224
Tac

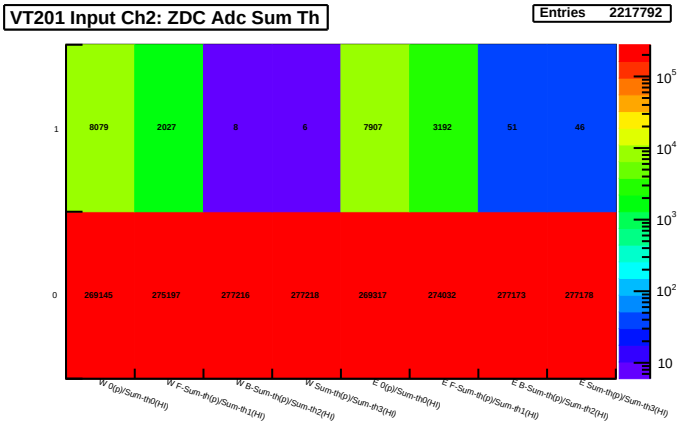

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

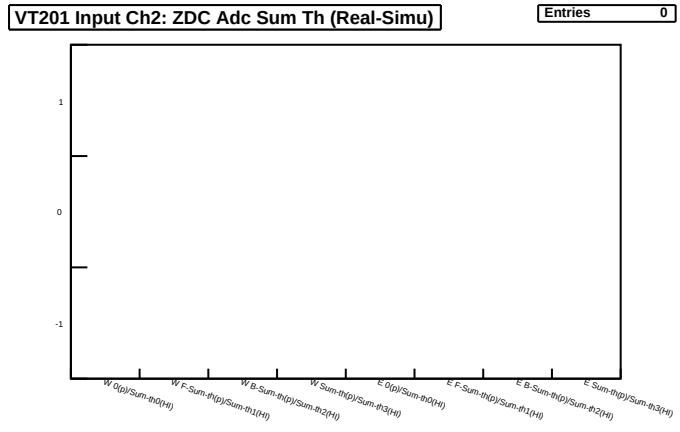

VT201 Input Ch1: EPD Hit Count Th
Entries 554448
272598
271996
4626
5228
East
West

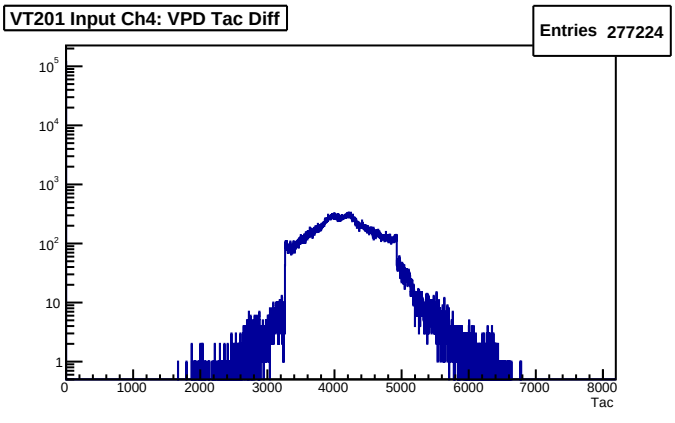

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

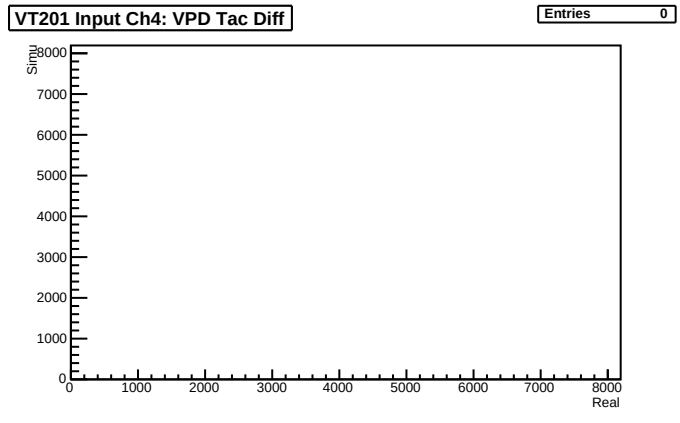

VT201 Input Ch2: ZDC Tac Diff
Entries 277224
Tac

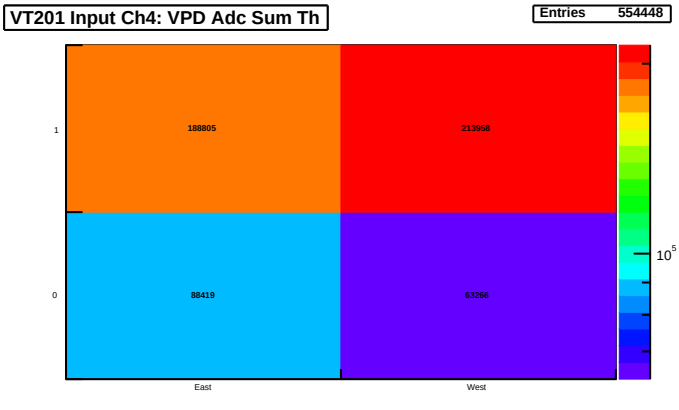

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

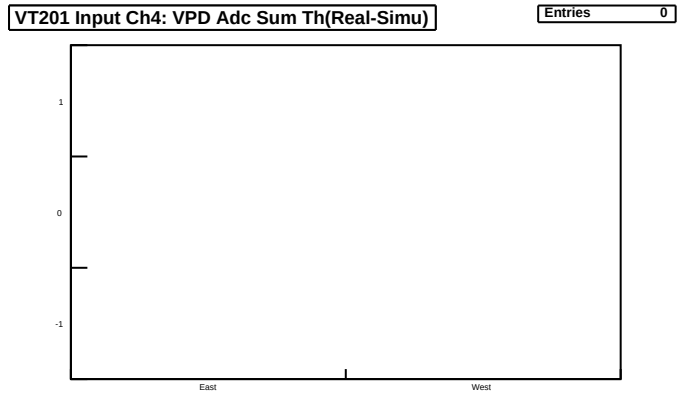

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2217792
8079
2027
8
6
7907
3192
51
46
269145
275197
277216
277218
269317
274032
277173
277178
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

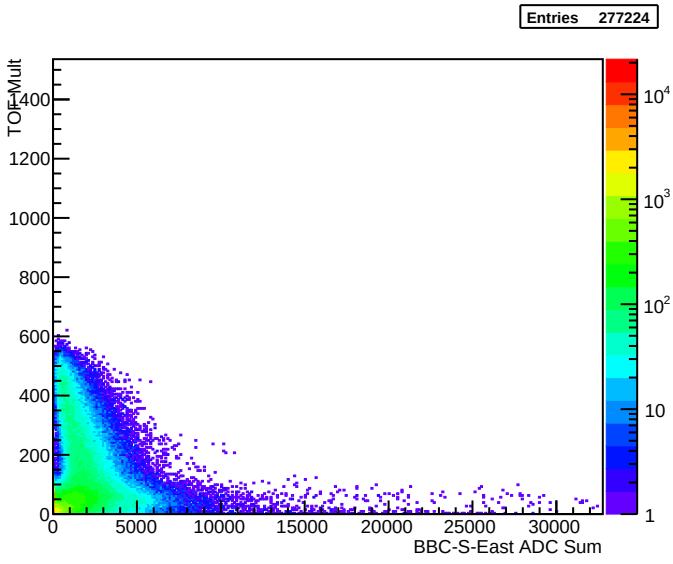

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

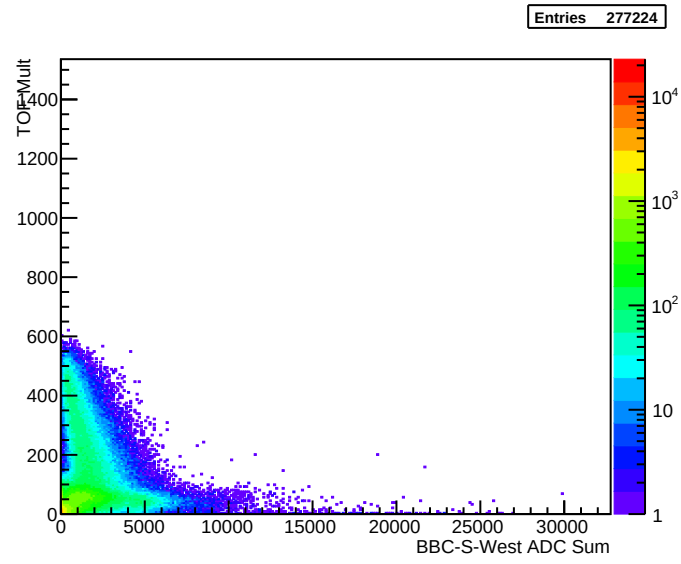

VT201 Input Ch4: VPD Tac Diff
Entries 277224
Tac

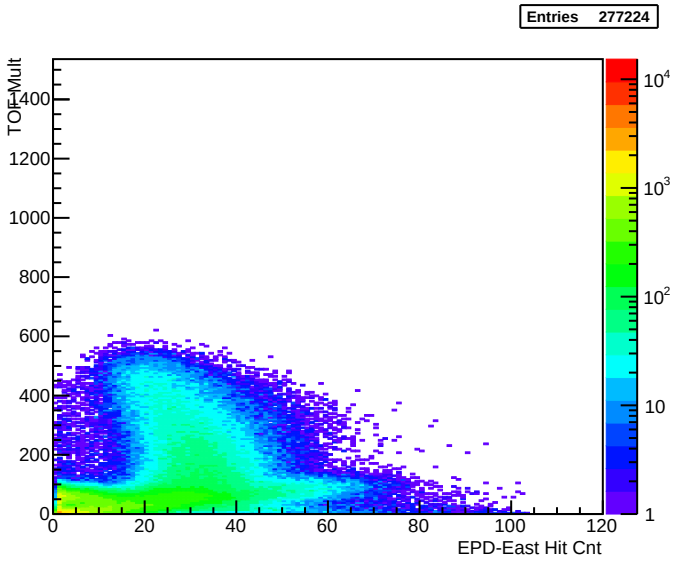

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

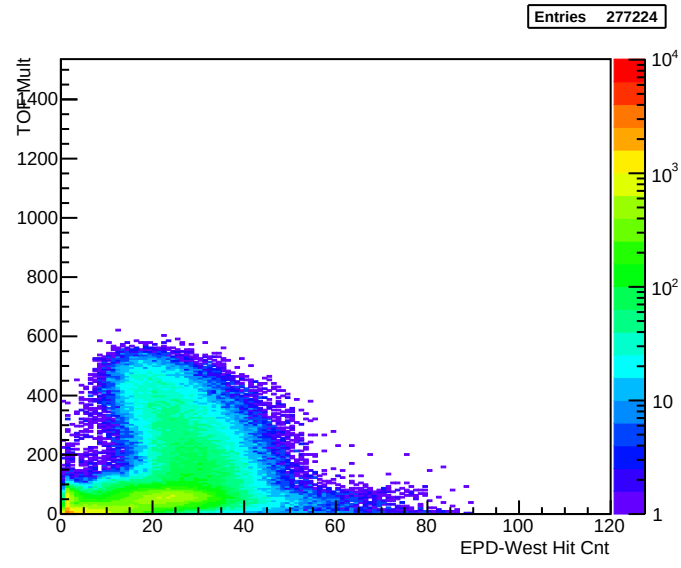

VT201 Input Ch4: VPD Adc Sum Th
Entries 554448
188805
213958
88419
63266
East
West

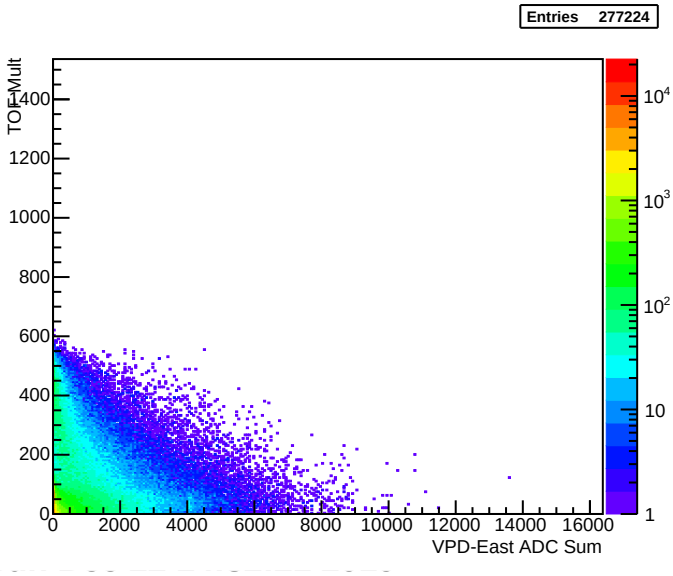

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

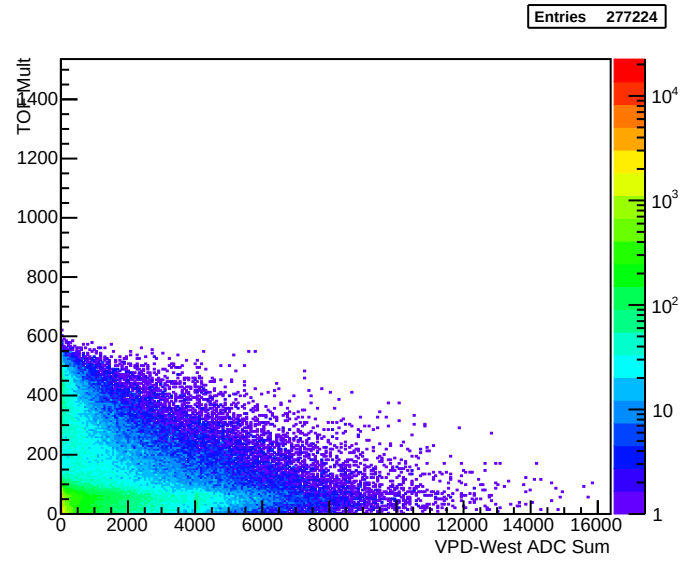

Entries 277224
TOF-Mult
BBC-S-East ADC Sum

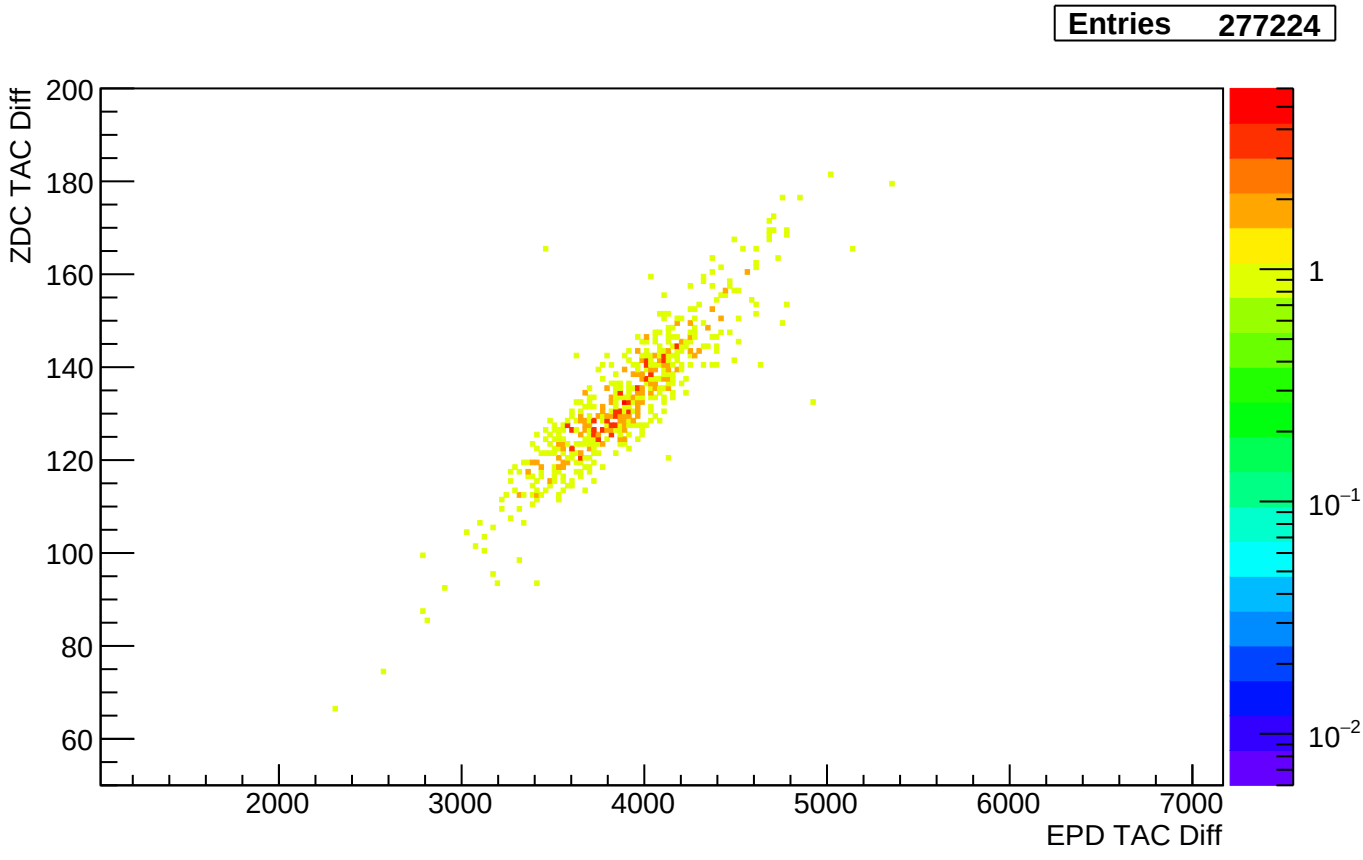

Entries 277224
TOF-Mult
BBC-S-West ADC Sum

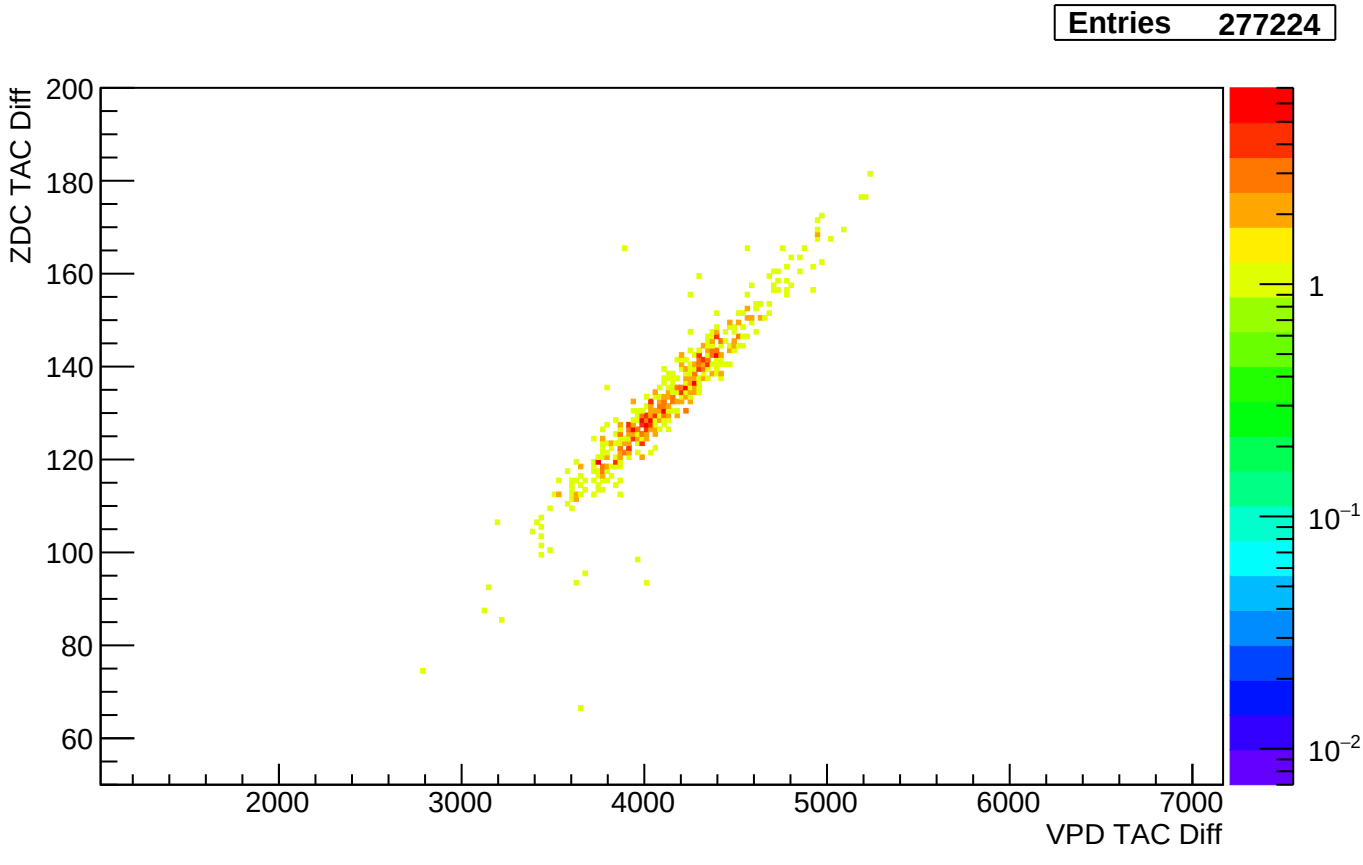

Entries 277224
TOF-Mult
EPD-East Hit Cnt

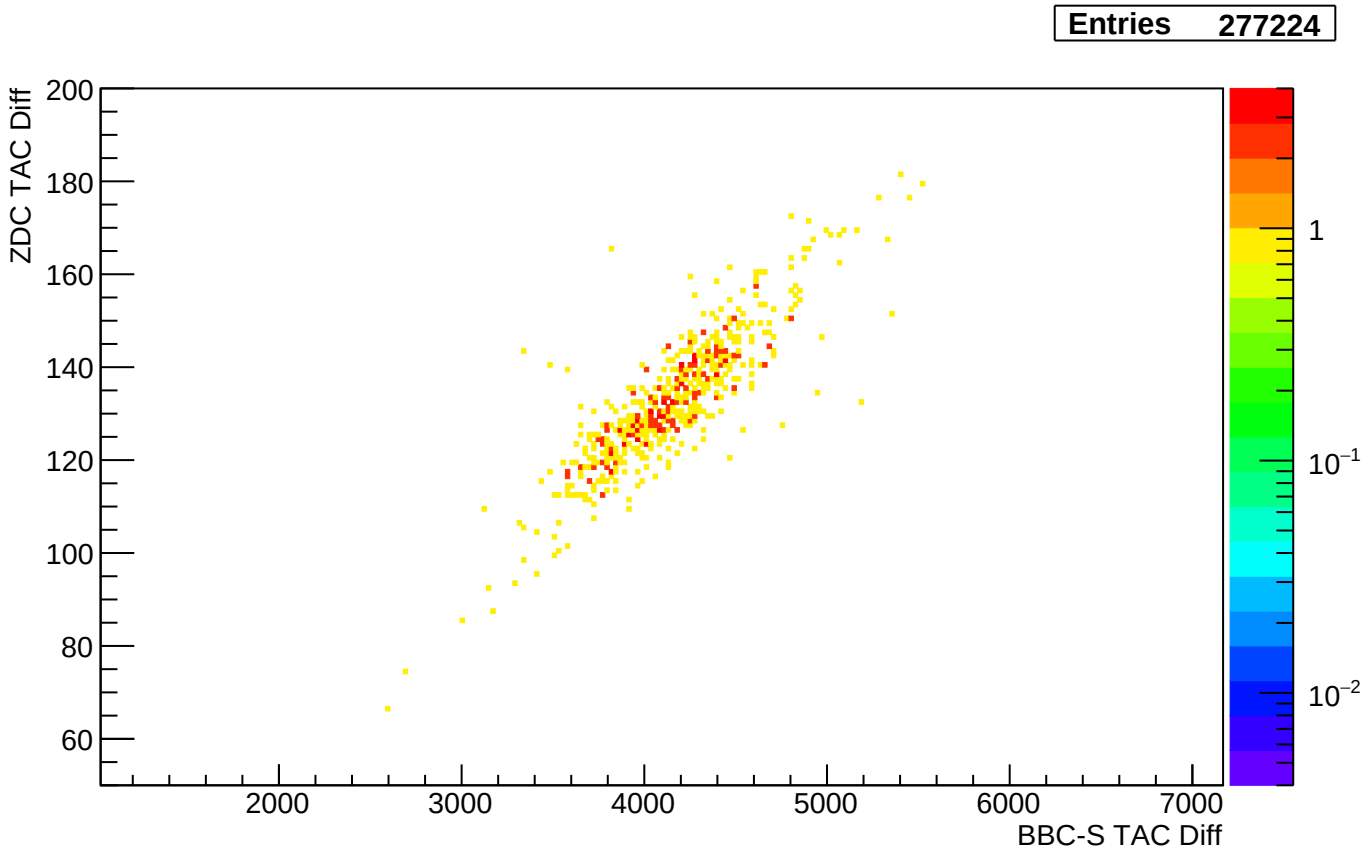

Entries 277224
TOF-Mult
EPD-West Hit Cnt

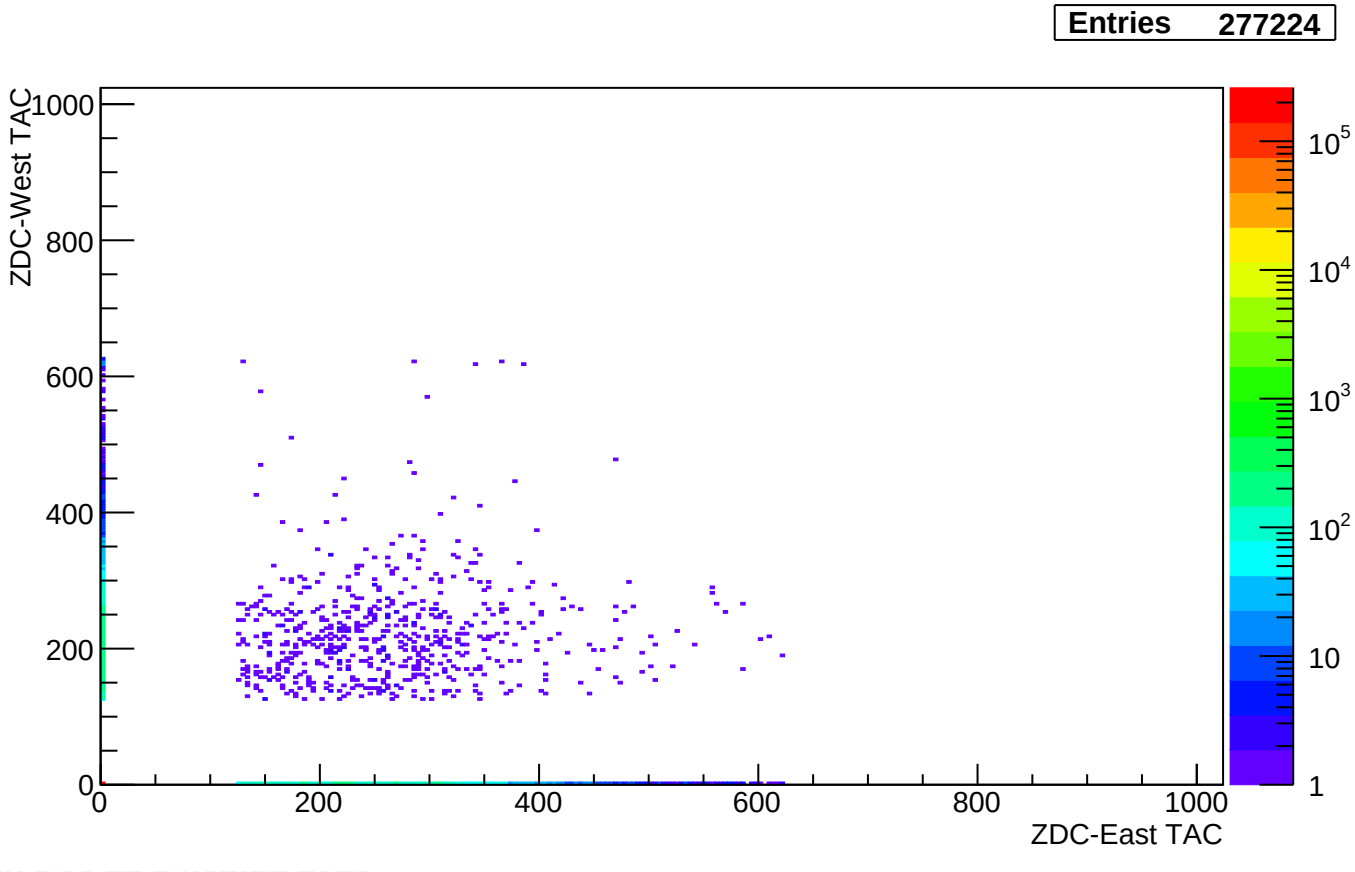

Entries 277224
TOF-Mult
VPD-East ADC Sum

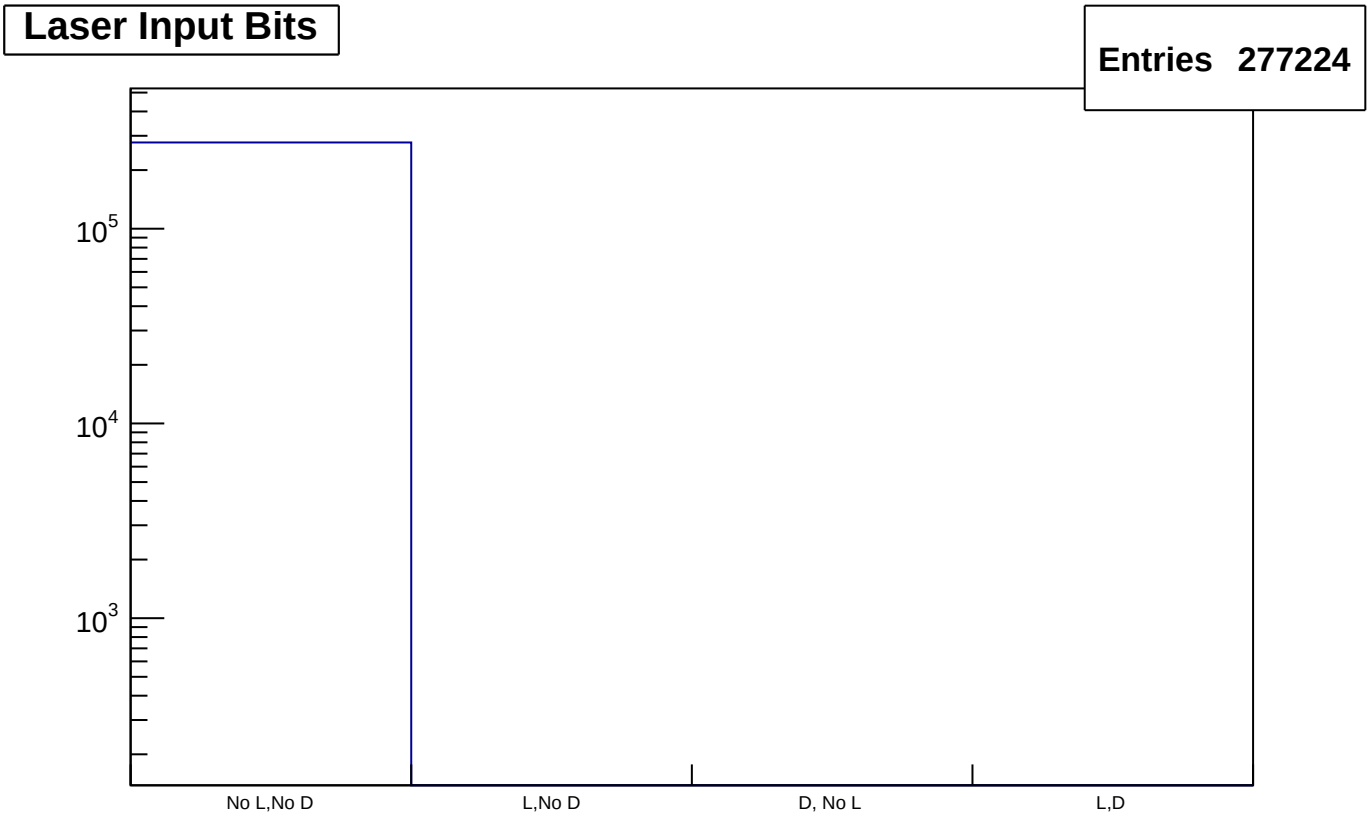

Entries 277224
TOF-Mult
VPD-West ADC Sum

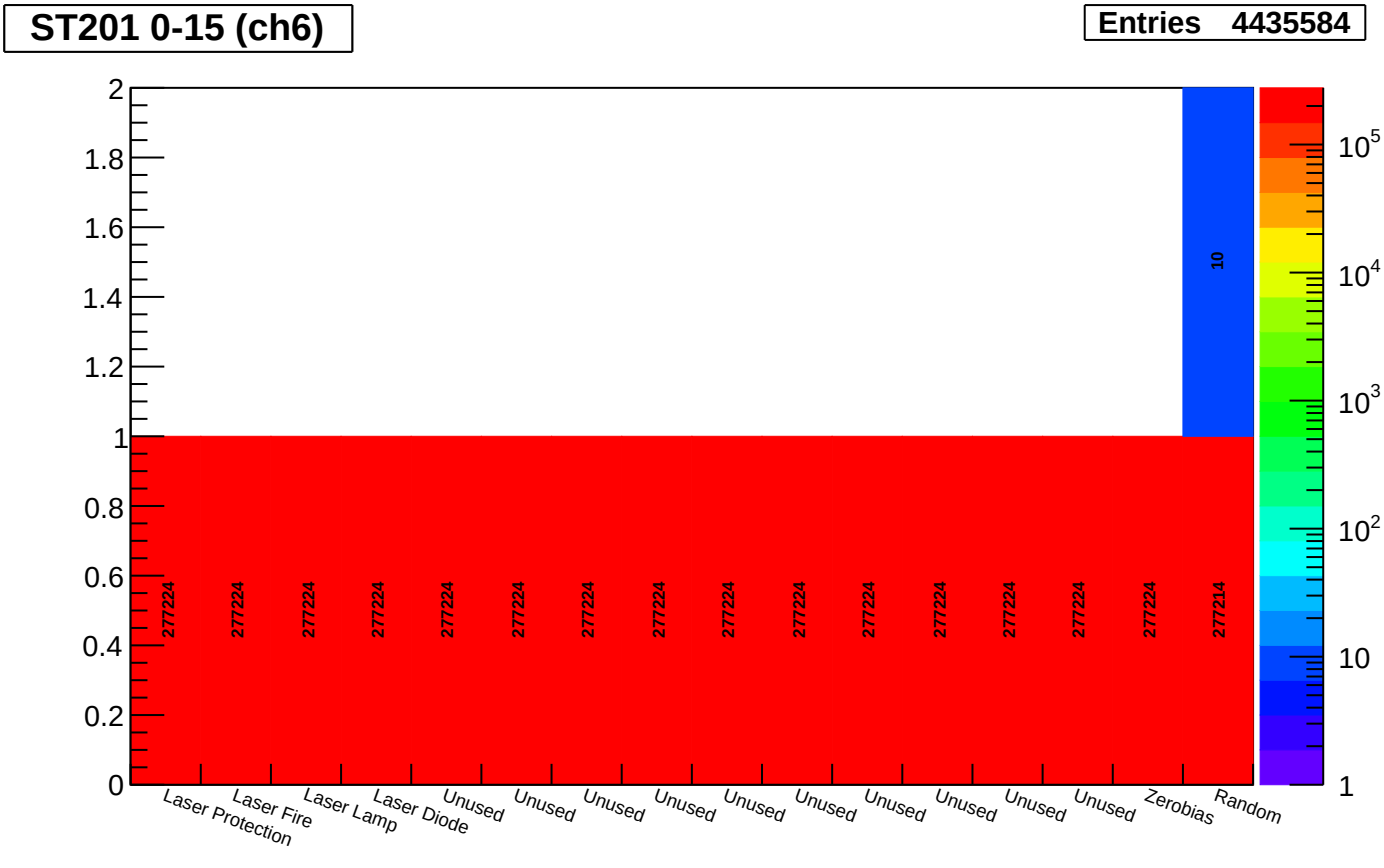

Entries 277224
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

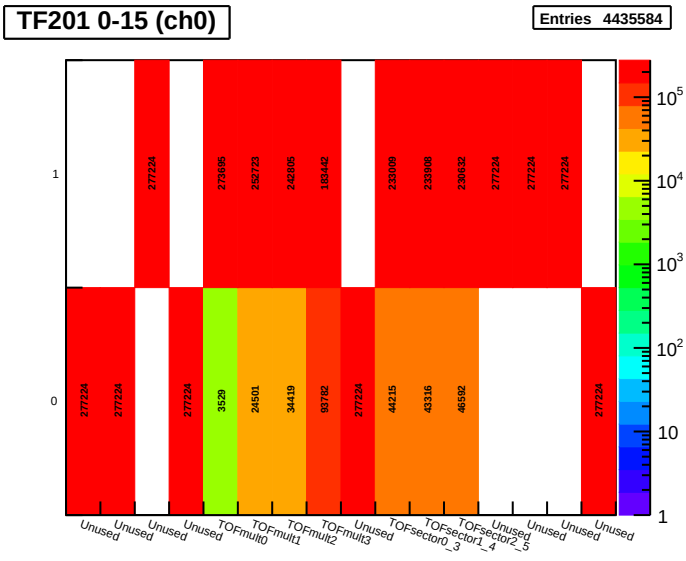

Entries 277224
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

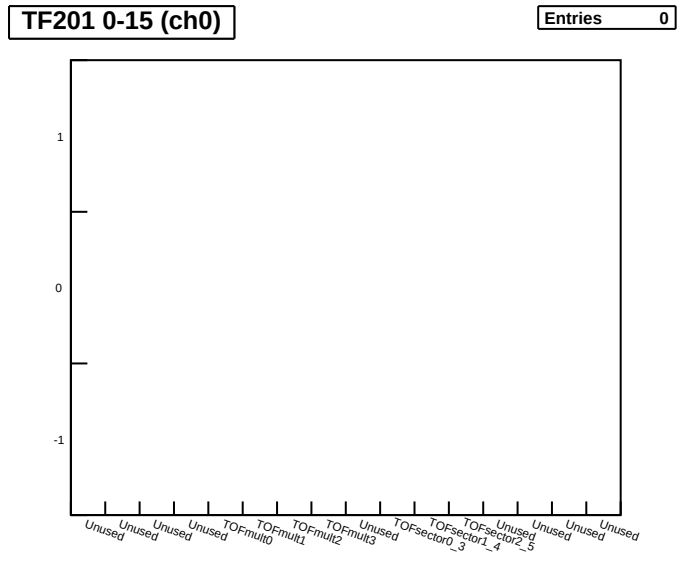

Entries 277224
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

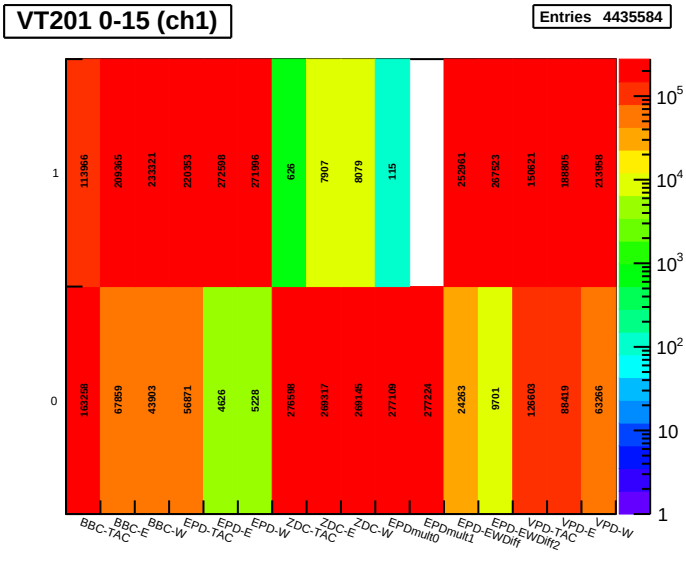

Entries 277224
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

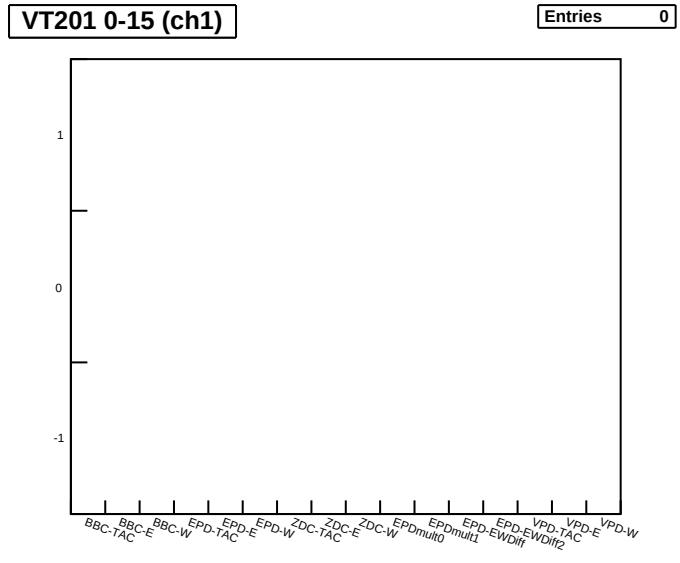

Laser Input Bits
Entries 277224
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

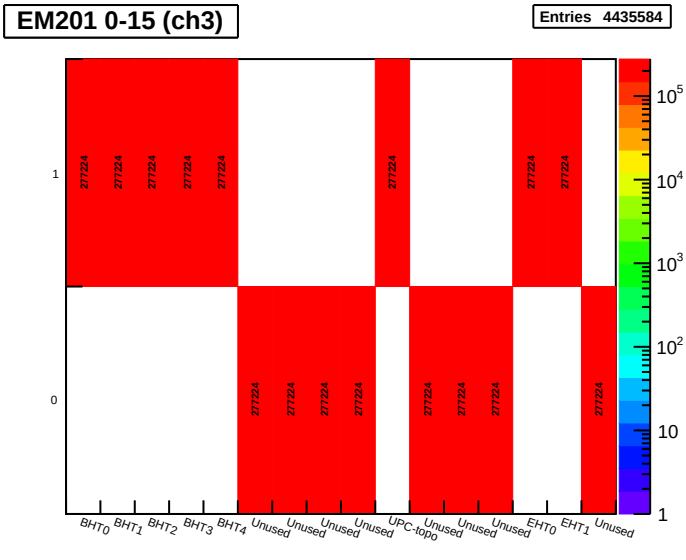

ST201 0-15 (ch6)
Entries 4435584
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277214
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

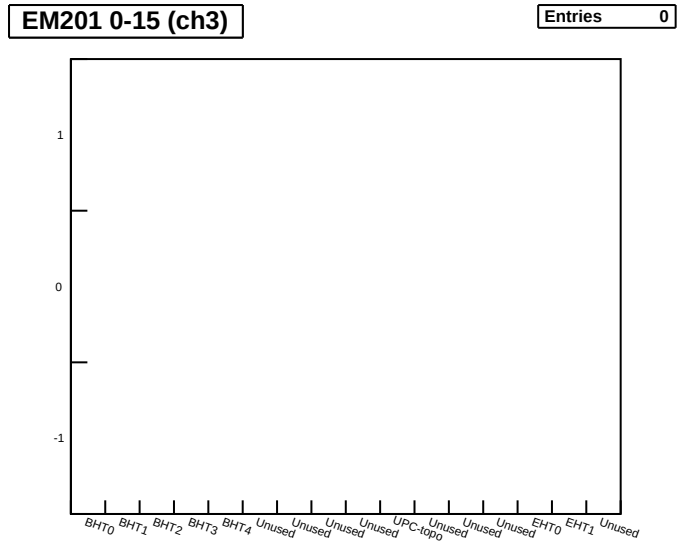

TF201 0-15 (ch0)
Entries 4435584
1
0
277224
273695
252723
242805
183442
233009
233908
230632
277224
277224
277224
277224
277224
3529
24501
34419
93782
277224
44215
43316
46592
277224
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 4435584
1
0
113966
209355
233321
220353
272598
271996
626
7907
8079
115
252961
267523
150621
188805
213958
163258
67859
43903
56871
4626
5228
276598
269317
269145
277109
277224
24263
9701
126603
88419
63266
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 4435584
1
0
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
277224
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