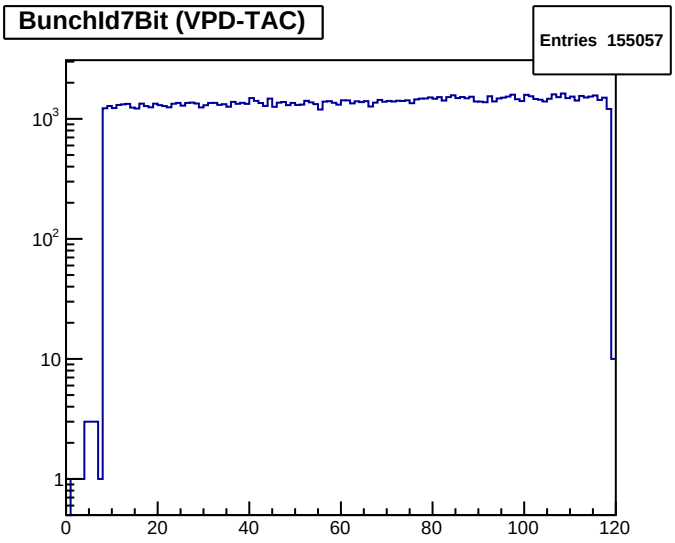
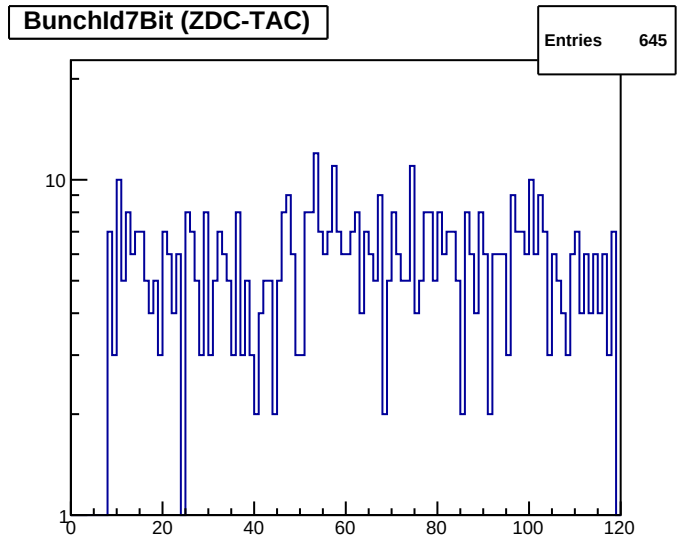
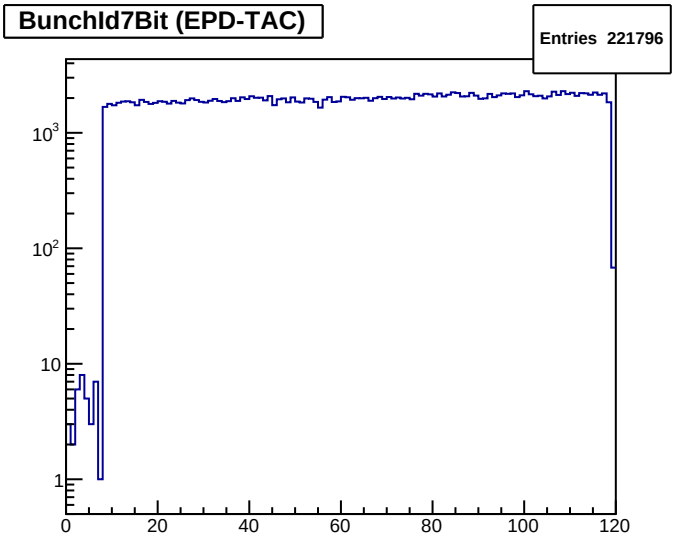
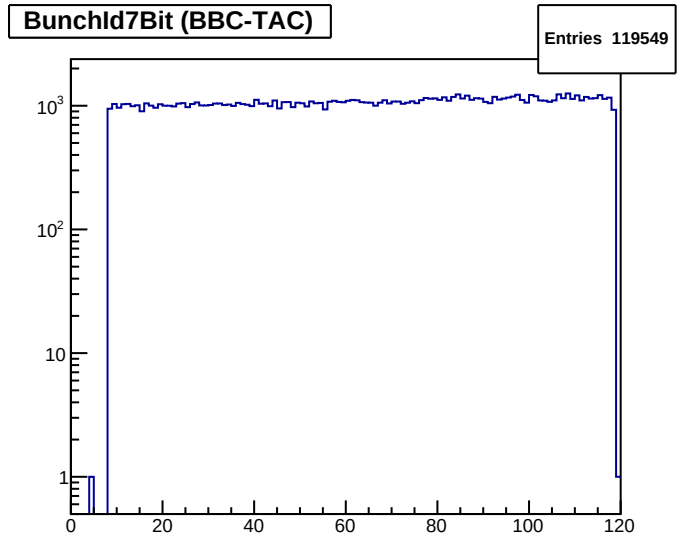
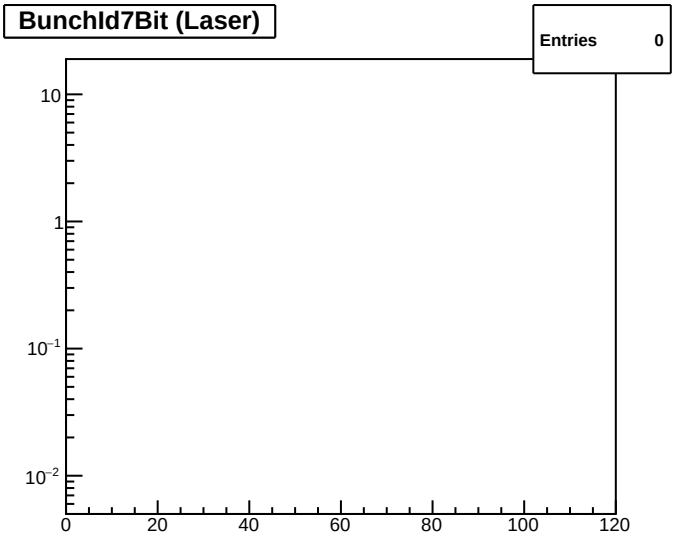
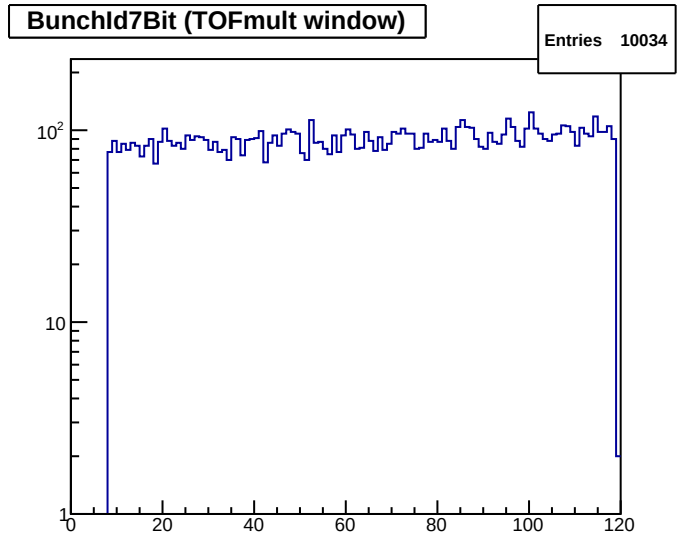

BunchId7Bit (VPD-TAC)
Entries 155057

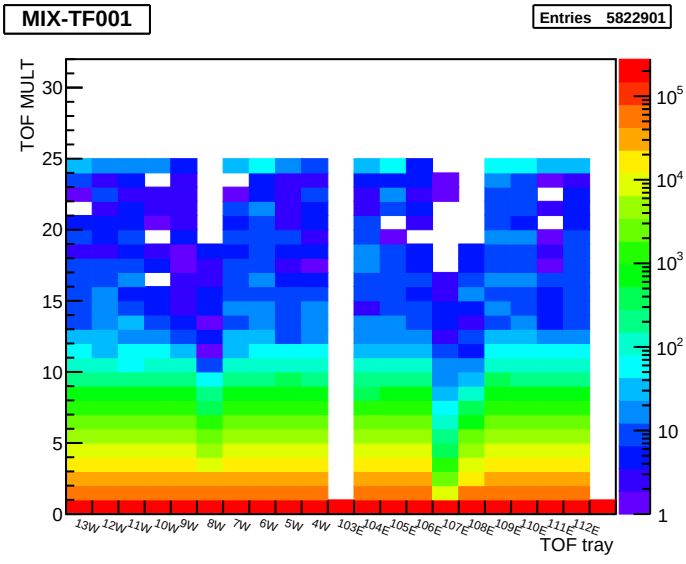

BunchId7Bit (ZDC-TAC)
Entries 645

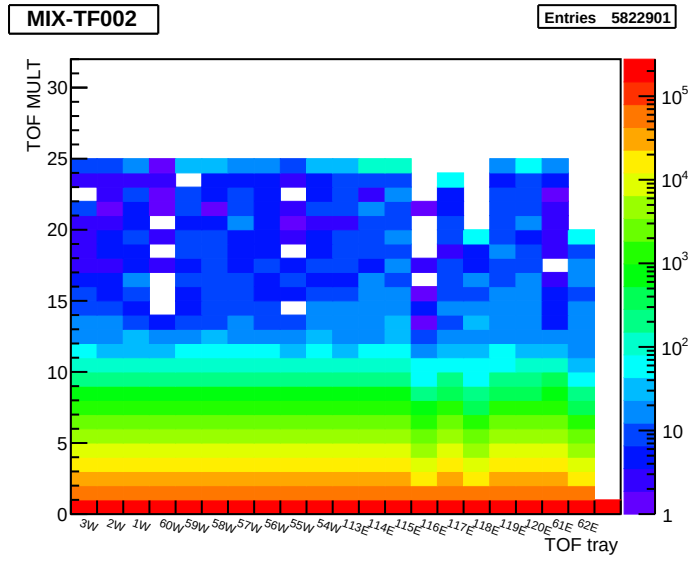

BunchId7Bit (EPD-TAC)
Entries 221796

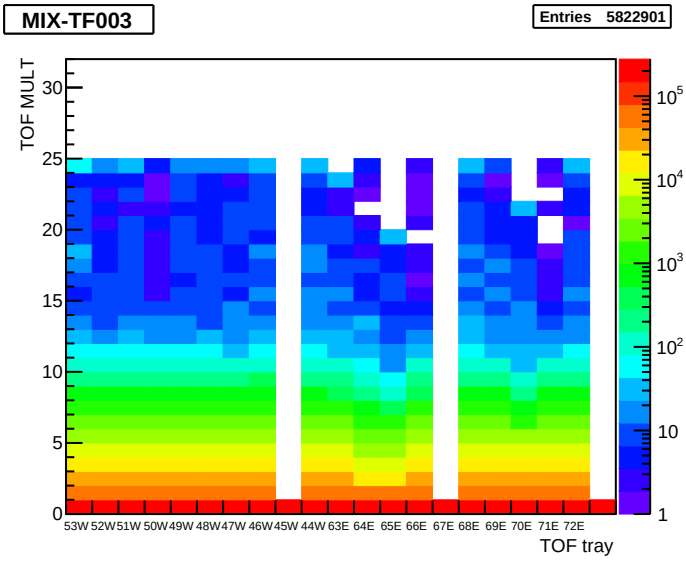

BunchId7Bit (BBC-TAC)
Entries 119549

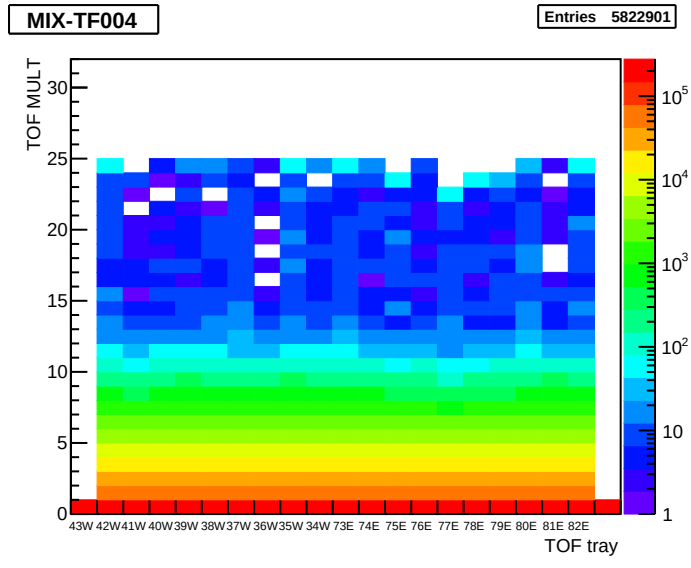

BunchId7Bit (Laser)
Entries 0

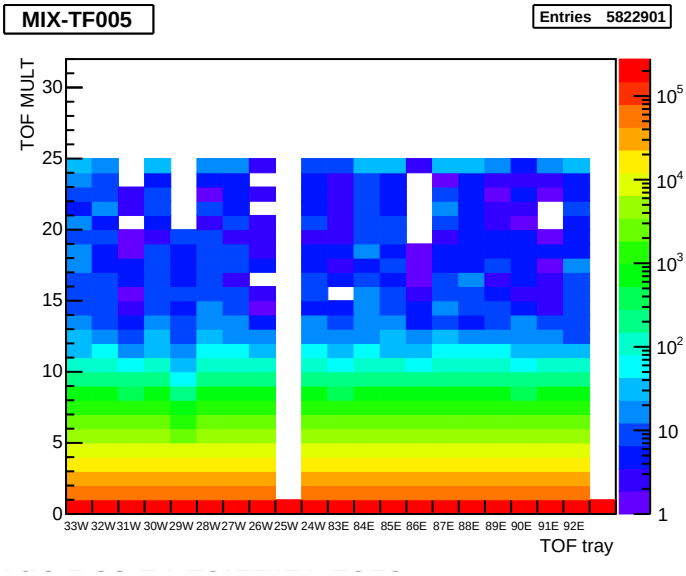

BunchId7Bit (TOFmult window)
Entries 10034

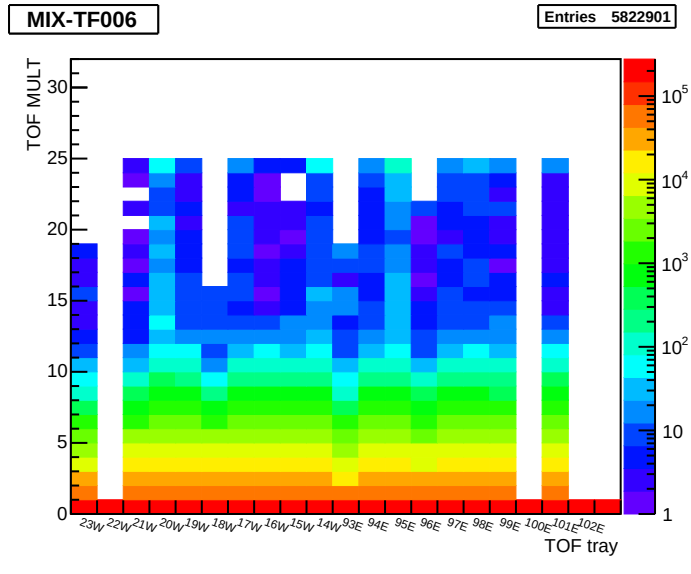

MIX-TF001
Entries 5822901
TOF MULT
TOF tray

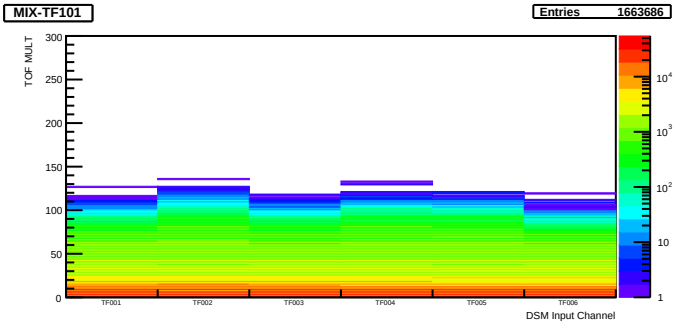

MIX-TF002
Entries 5822901
TOF MULT
TOF tray

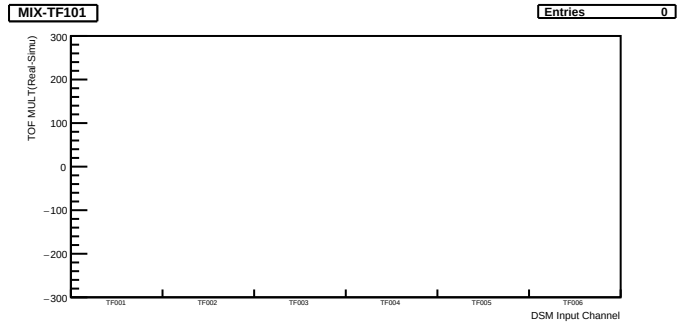

MIX-TF003
Entries 5822901
TOF MULT
TOF tray

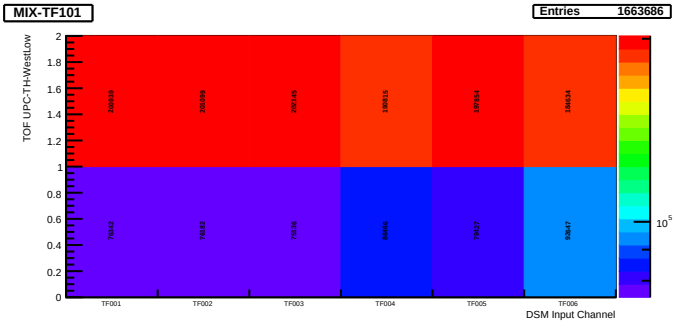

MIX-TF004
Entries 5822901
TOF MULT
TOF tray

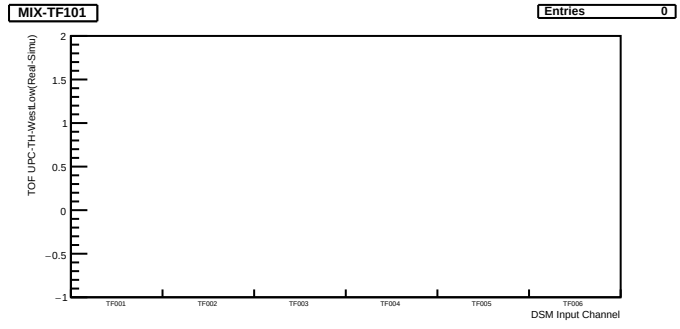

MIX-TF005
Entries 5822901
TOF MULT
TOF tray

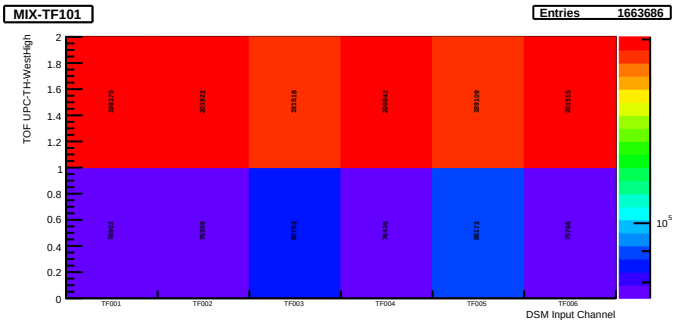

MIX-TF006
Entries 5822901
TOF MULT
TOF tray

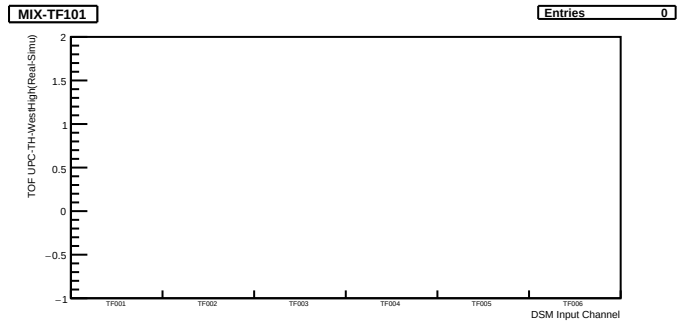

MIX-TF101
Entries 1663686
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

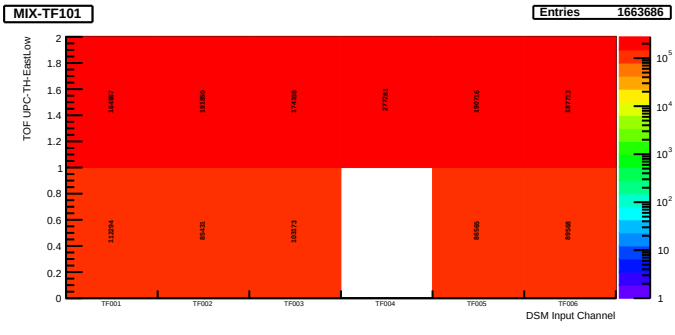

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

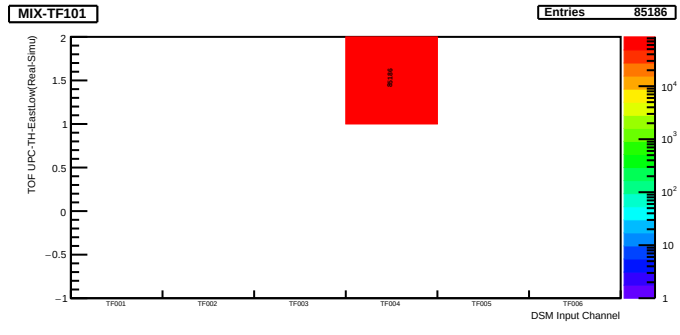

MIX-TF101
Entries 1663686
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

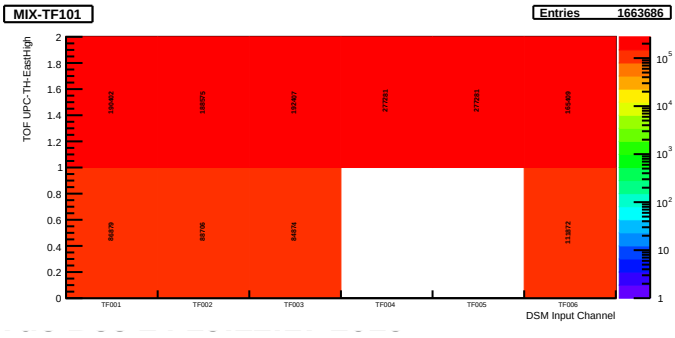

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

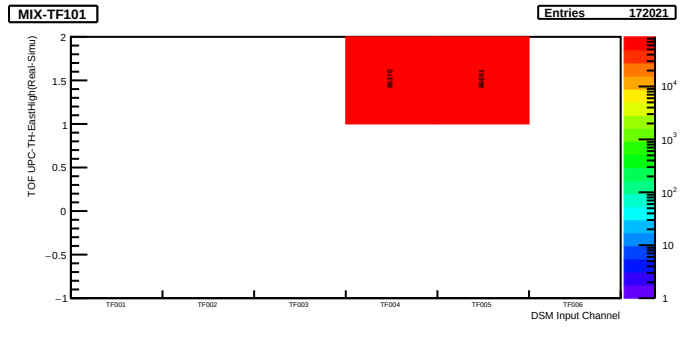

MIX-TF101
Entries 1663686
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

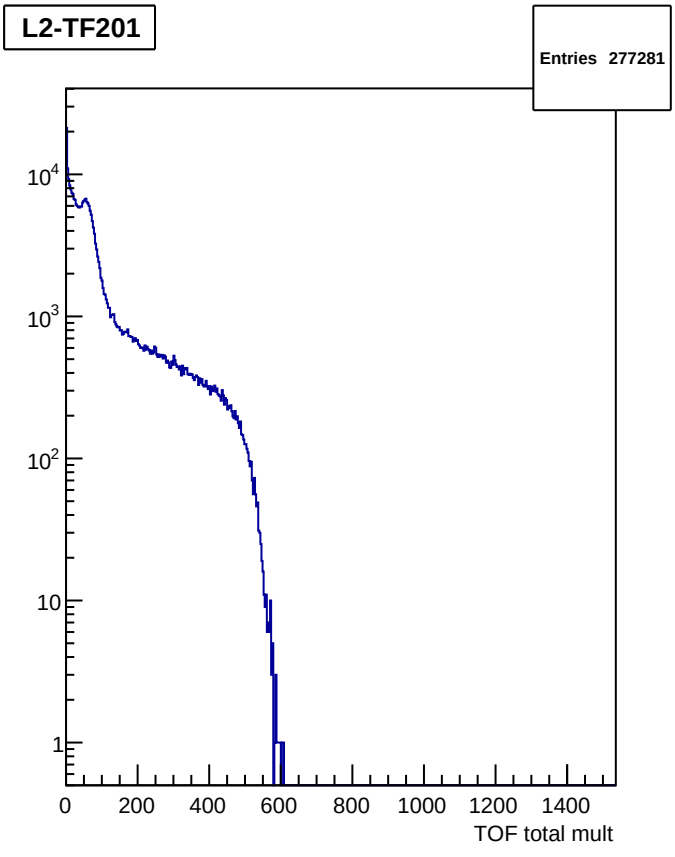

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

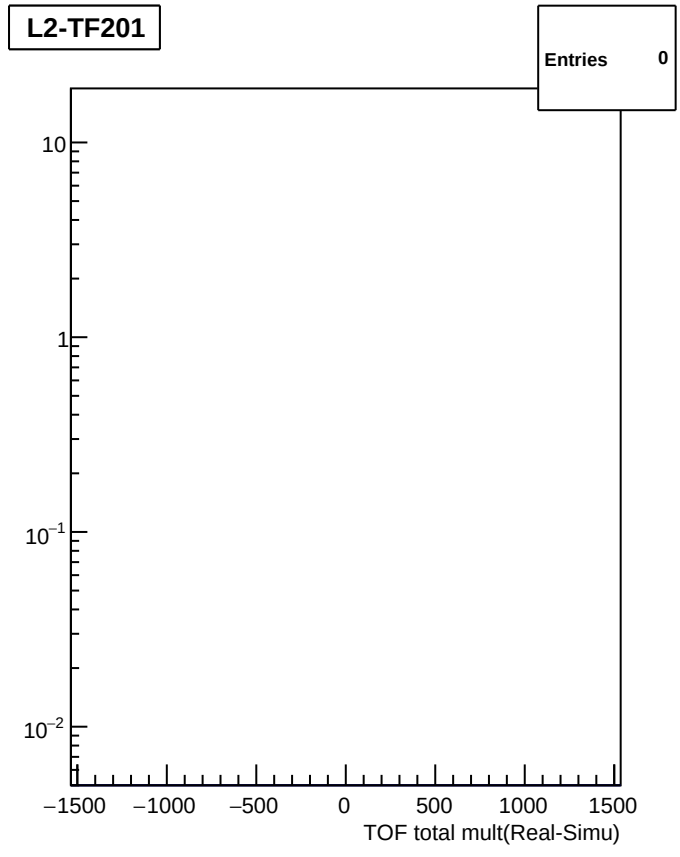

MIX-TF101
Entries 1663686
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

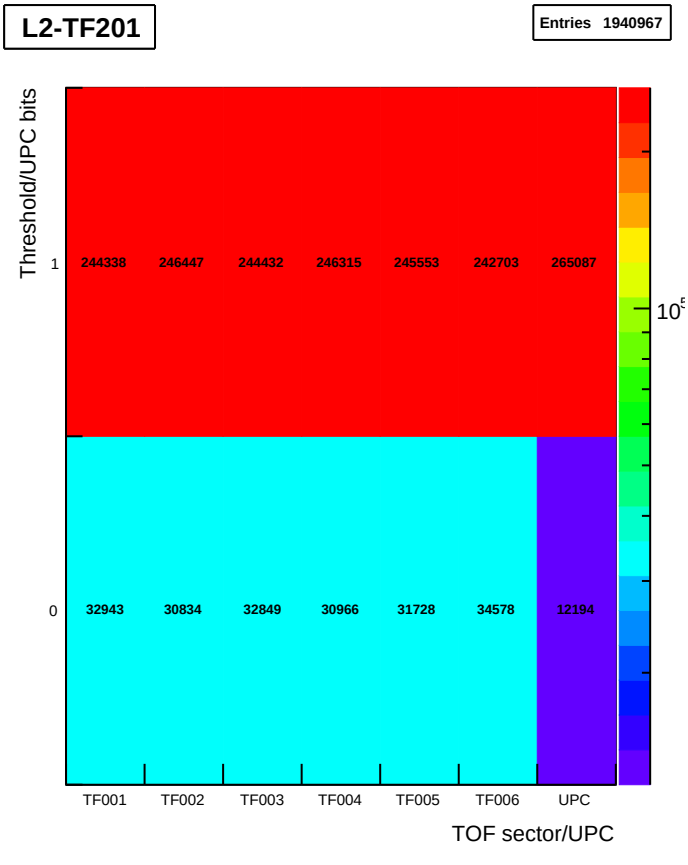

MIX-TF101
Entries 85186
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

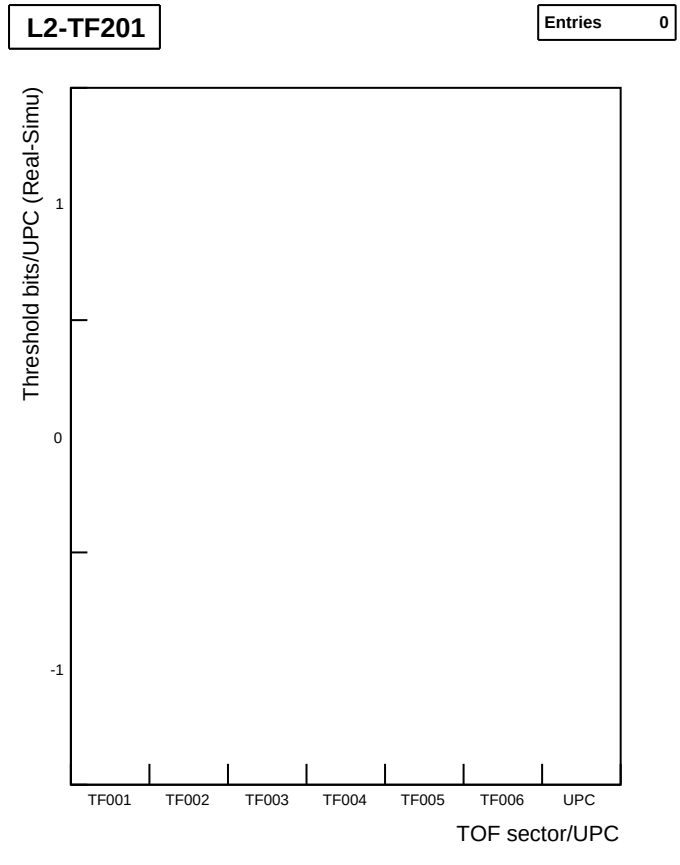

MIX-TF101
Entries 1663686
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

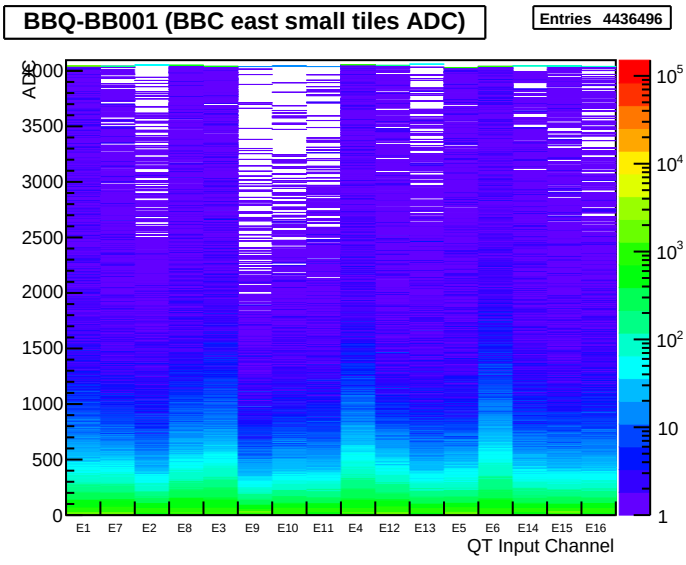

MIX-TF101
Entries 172021
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

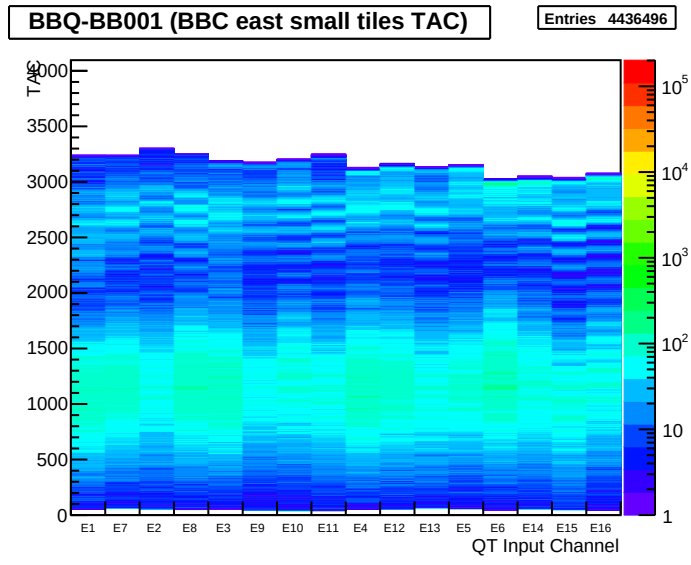

L2-TF201
Entries 277281
TOF total mult

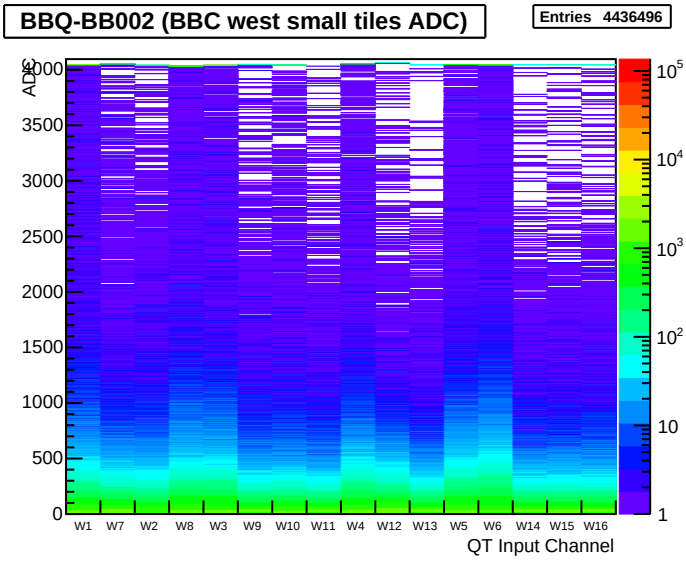

L2-TF201
Entries 0
TOF total mult(Real-Simu)

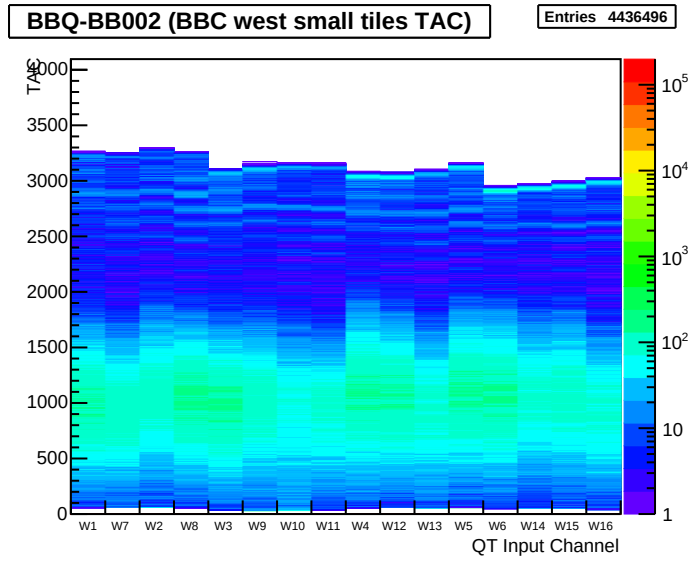

L2-TF201
Entries 1940967
Threshold/UPC bits
244338 246447 244432 246315 245553 242703 265087
32943 30834 32849 30966 31728 34578 12194
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

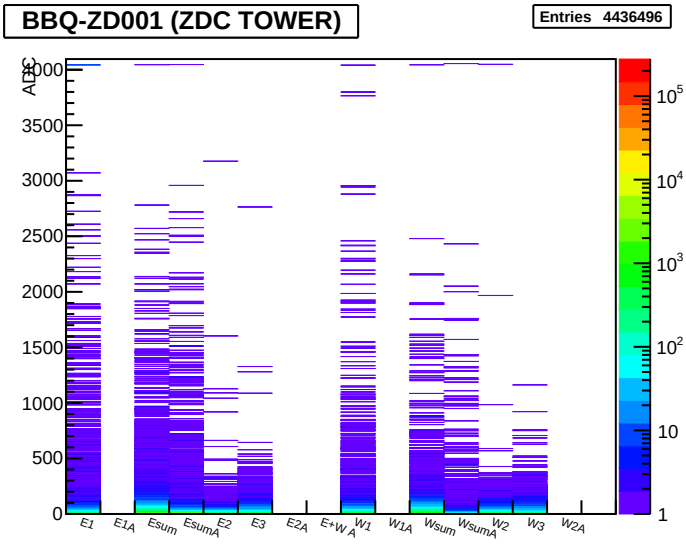

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

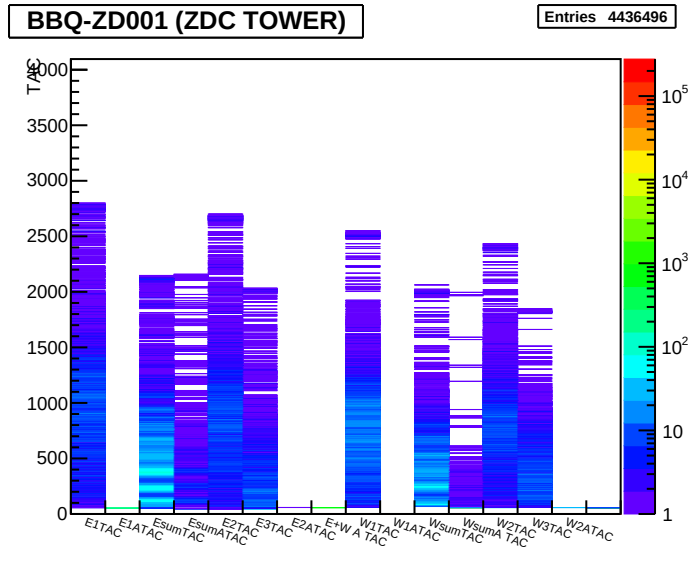

BBQ-BB001 (BBC east small tiles ADC)
Entries 4436496
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

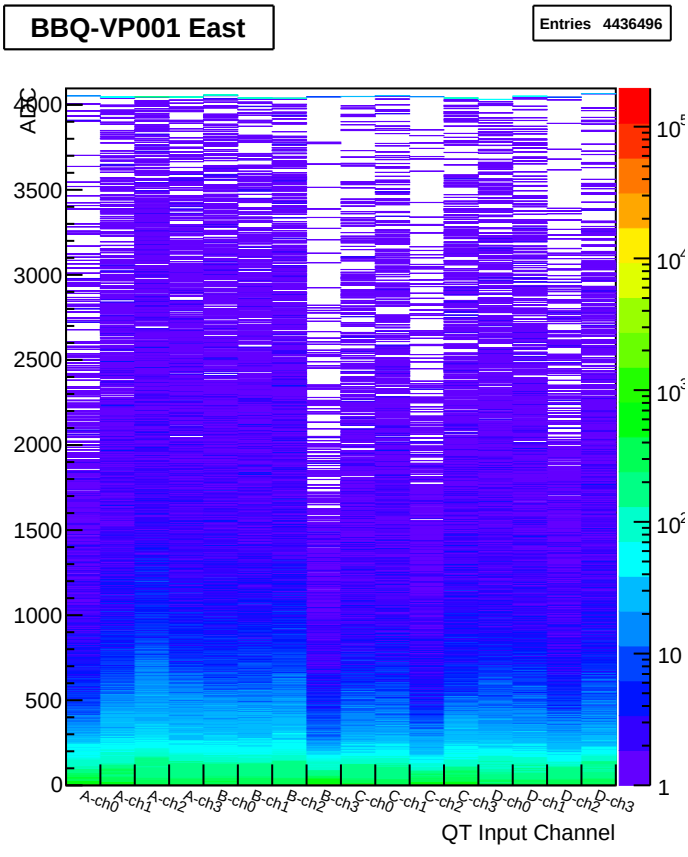

BBQ-BB001 (BBC east small tiles TAC)
Entries 4436496
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

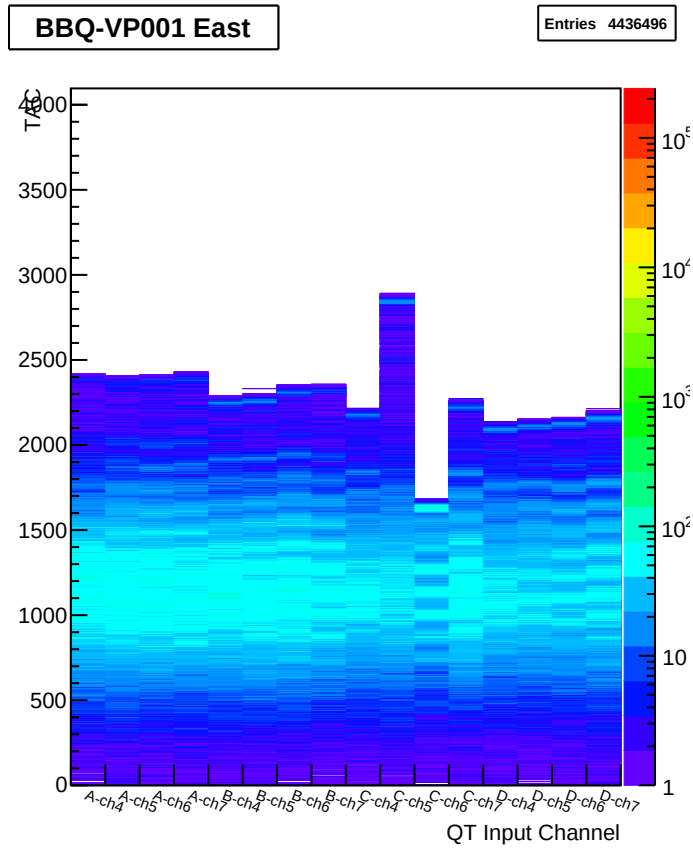

BBQ-BB002 (BBC west small tiles ADC)
Entries 4436496
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

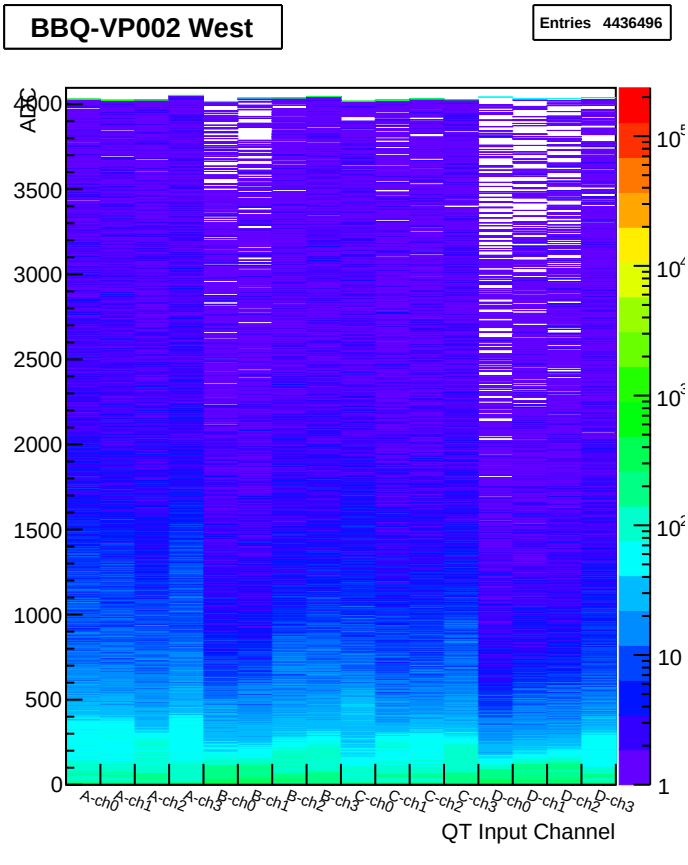

BBQ-BB002 (BBC west small tiles TAC)
Entries 4436496
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

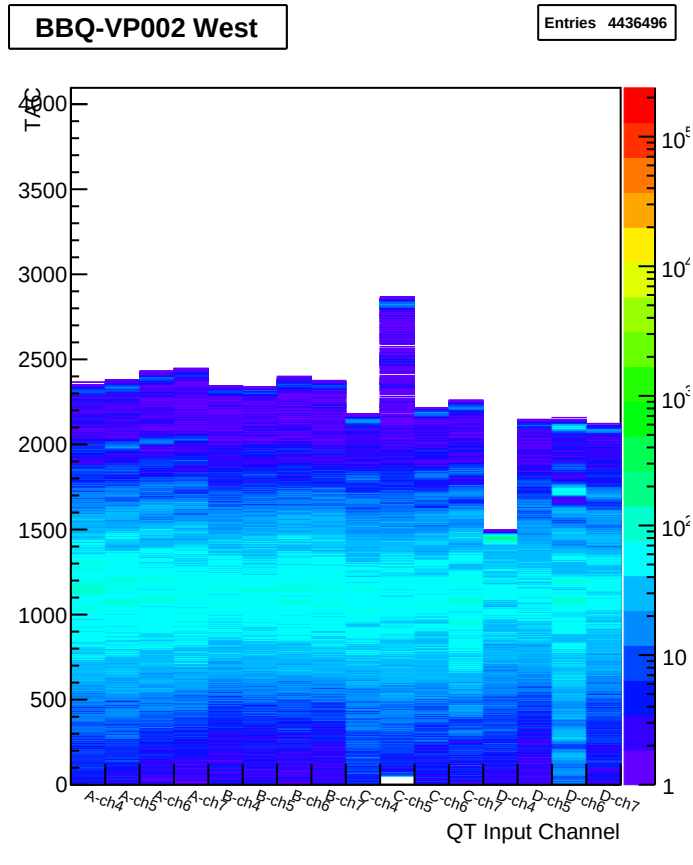

BBQ-ZD001 (ZDC TOWER)
Entries 4436496
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

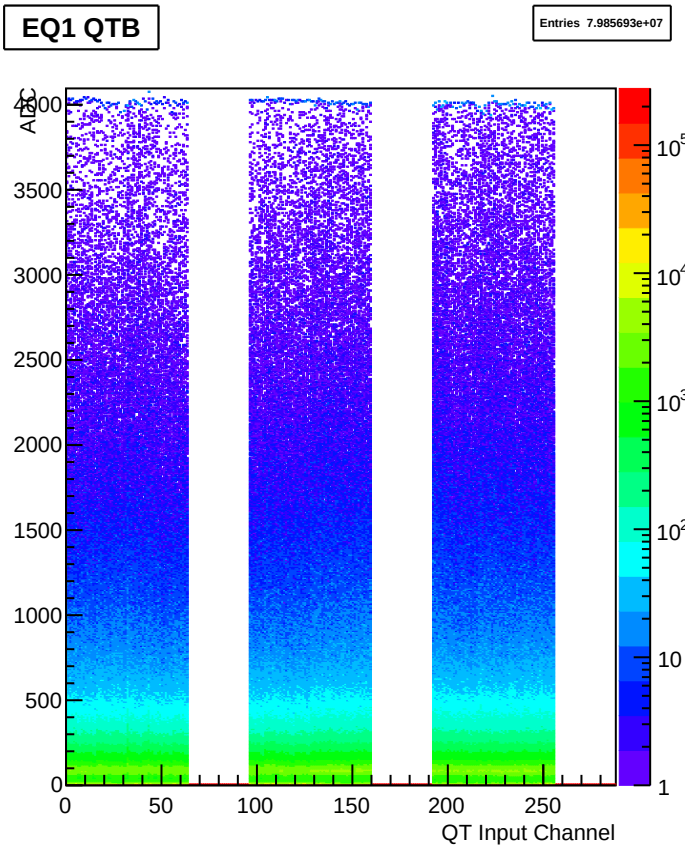

BBQ-ZD001 (ZDC TOWER)
Entries 4436496
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

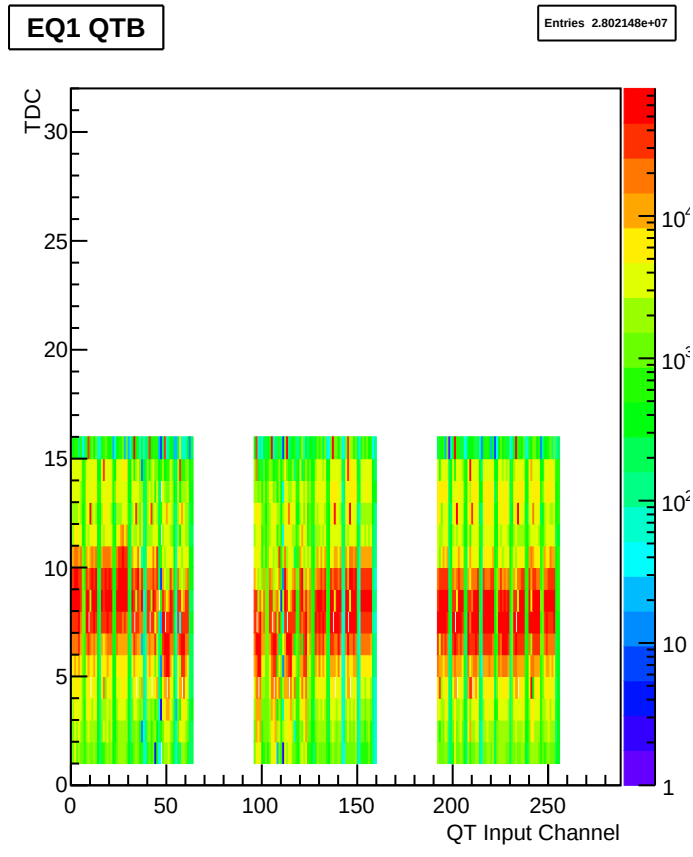

BBQ-VP001 East
Entries 4436496
ADC
QT Input Channel

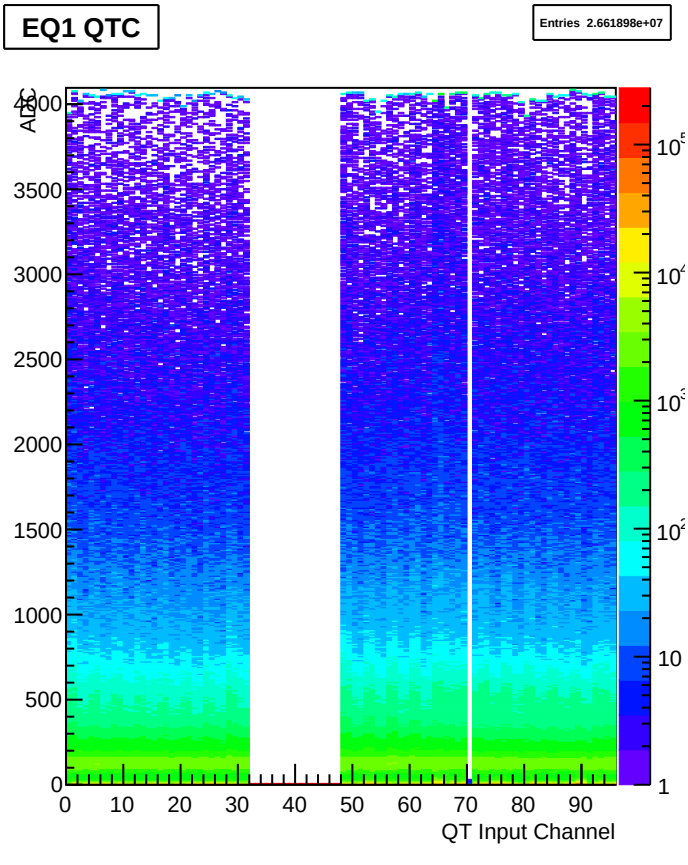

BBQ-VP001 East
Entries 4436496
TADC
QT Input Channel

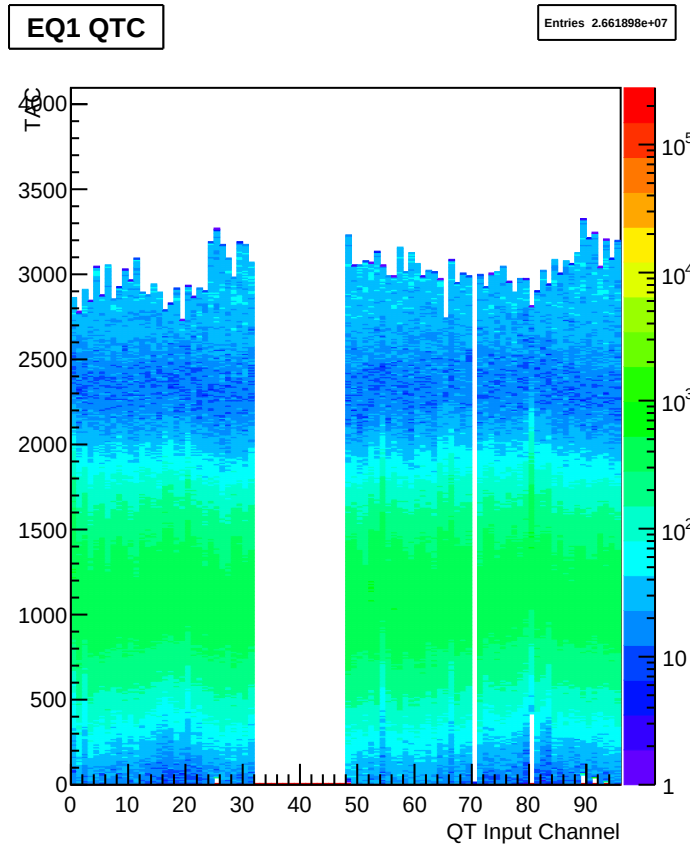

BBQ-VP002 West
Entries 4436496
ADC
QT Input Channel

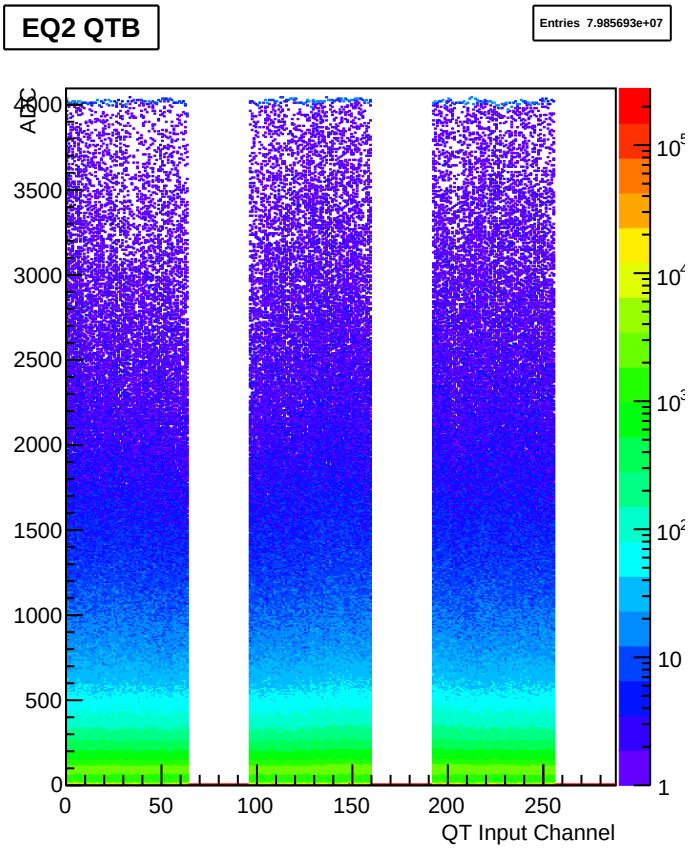

BBQ-VP002 West
Entries 4436496
TADC
QT Input Channel

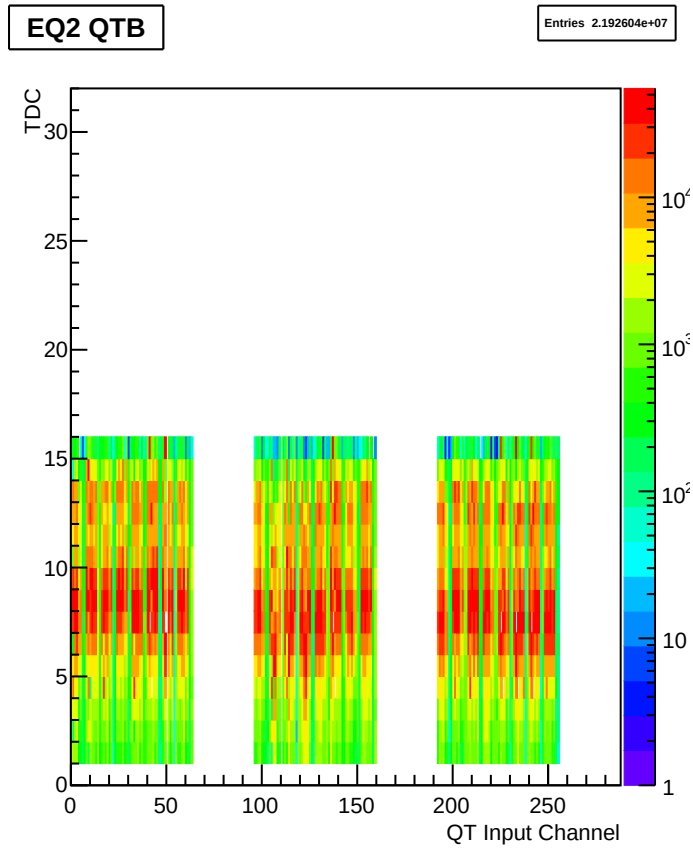

EQ1 QTB
Entries 7.985693e+07
ADC
QT Input Channel

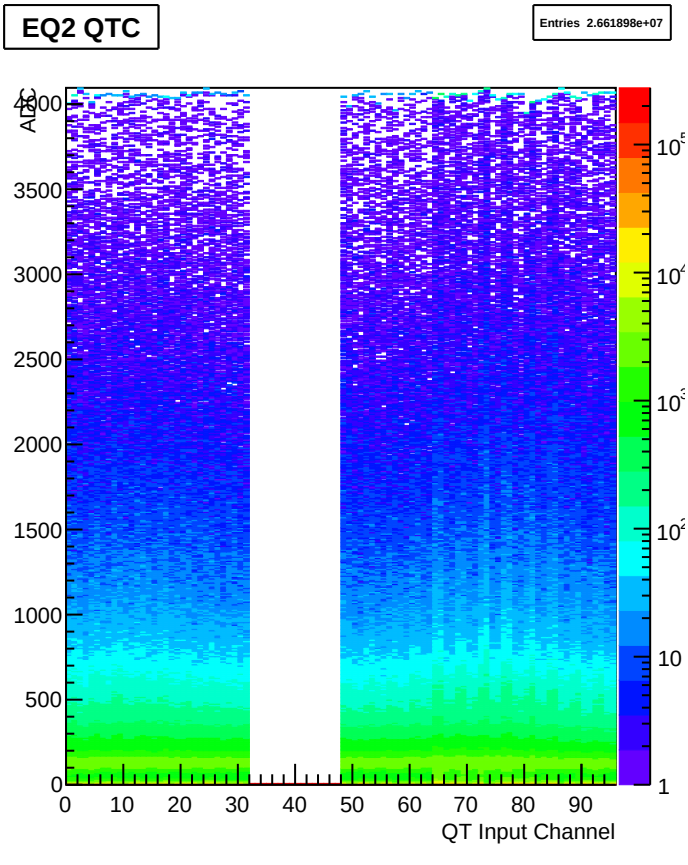

EQ1 QTB
Entries 2.802148e+07
TDC
QT Input Channel

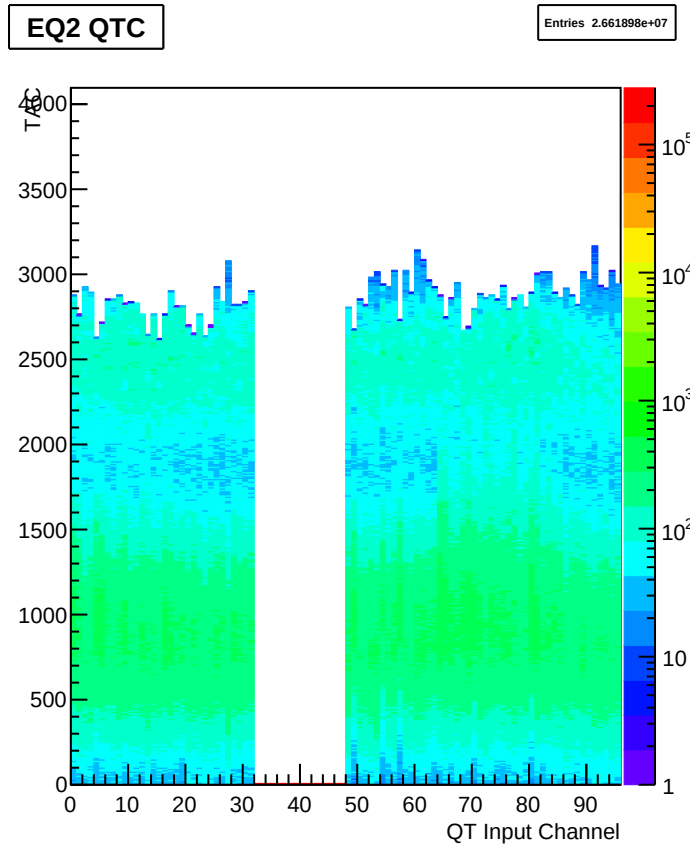

EQ1 QTC
Entries 2.661898e+07
ADC
QT Input Channel

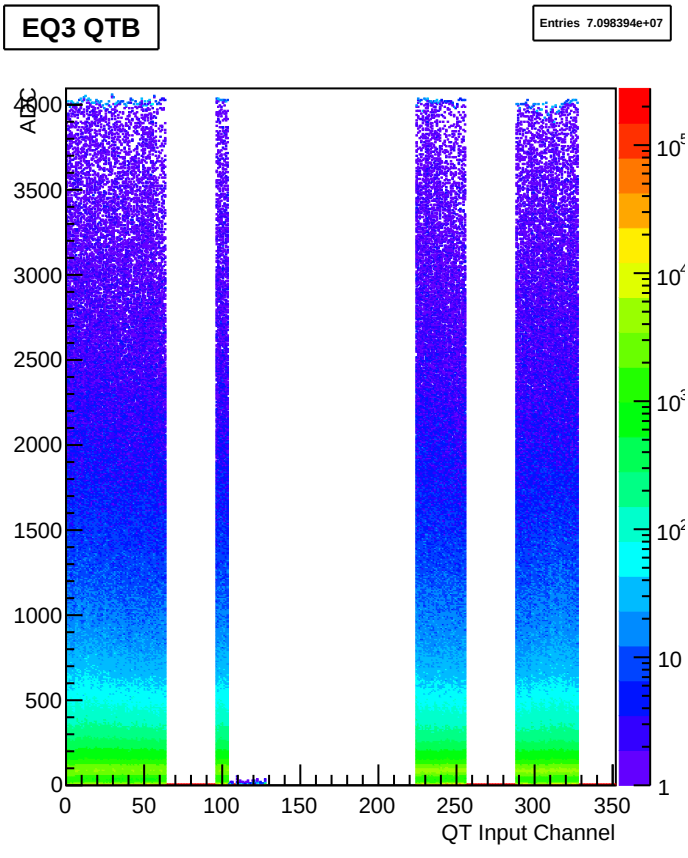

EQ1 QTC
Entries 2.661898e+07
TADC
QT Input Channel

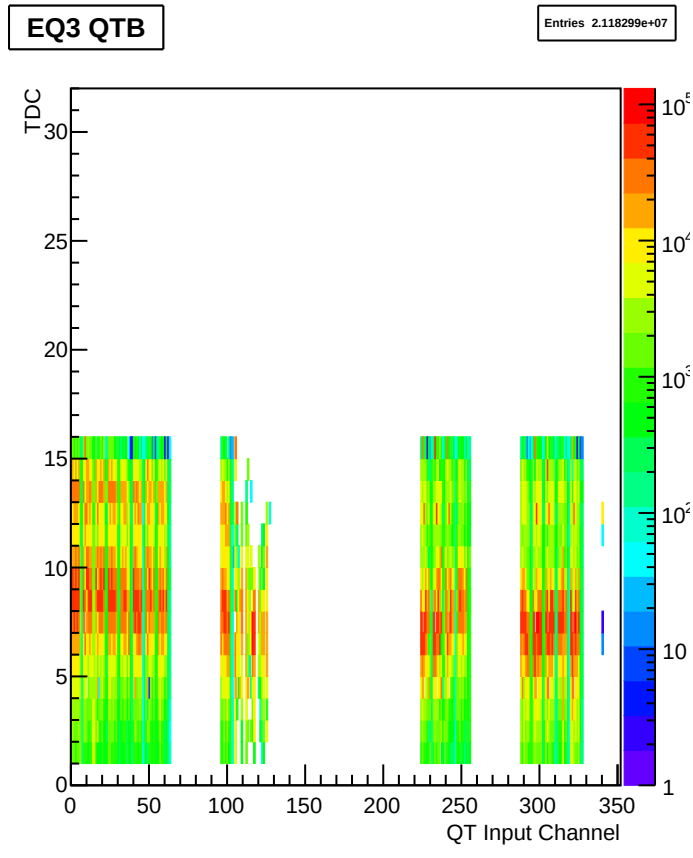

EQ2 QTB
Entries 7.985693e+07
ADC
QT Input Channel

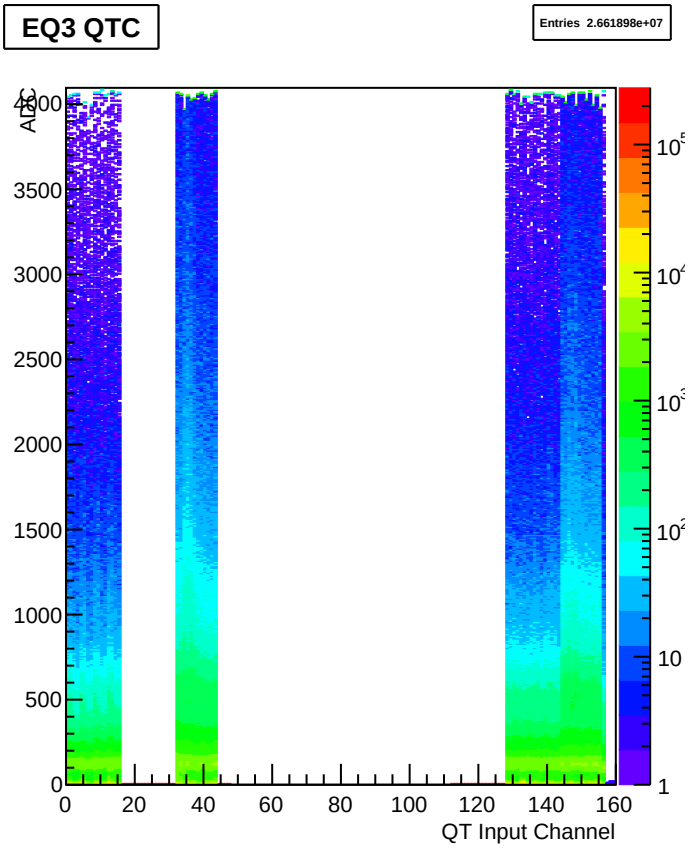

EQ2 QTB
Entries 2.192604e+07
TDC
QT Input Channel

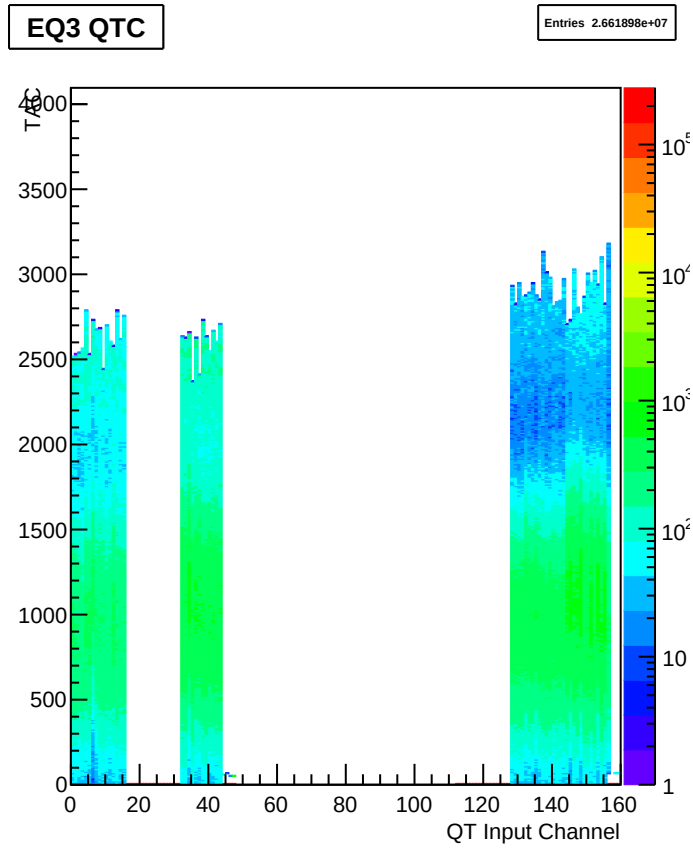

EQ2 QTC
Entries 2.661898e+07
ADC
QT Input Channel

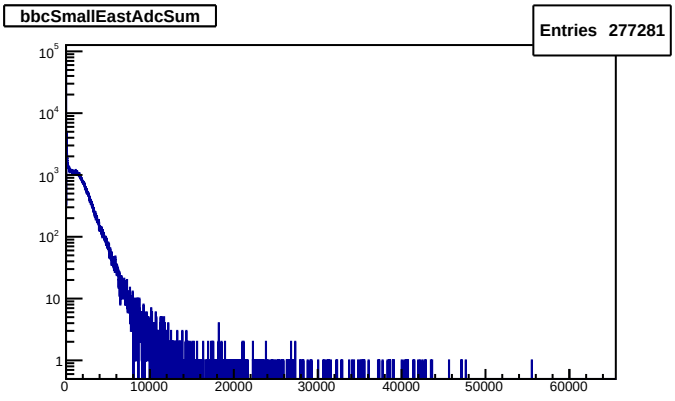

EQ2 QTC
Entries 2.661898e+07
TADC
QT Input Channel

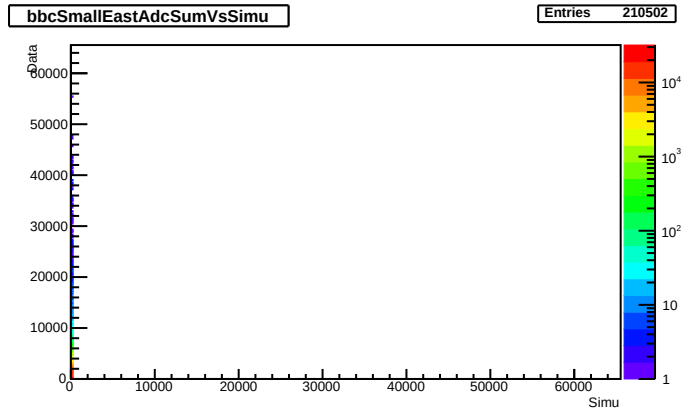

EQ3 QTB
Entries 7.098394e+07
ADC
QT Input Channel

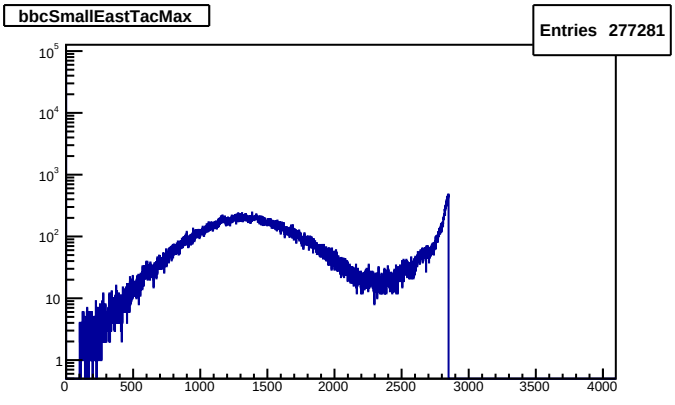

EQ3 QTB
Entries 2.118299e+07
TDC
QT Input Channel

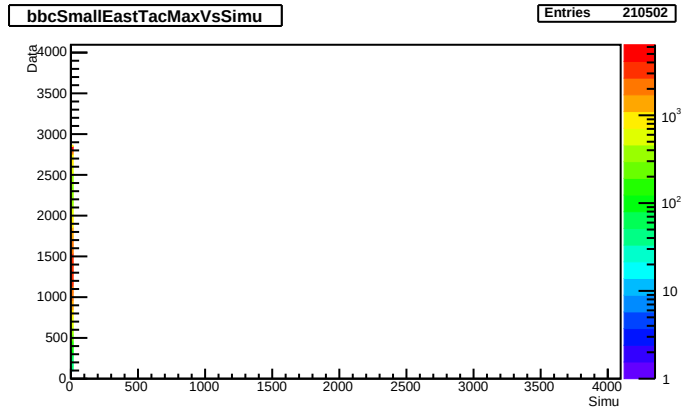

EQ3 QTC
Entries 2.661898e+07
ADC
QT Input Channel

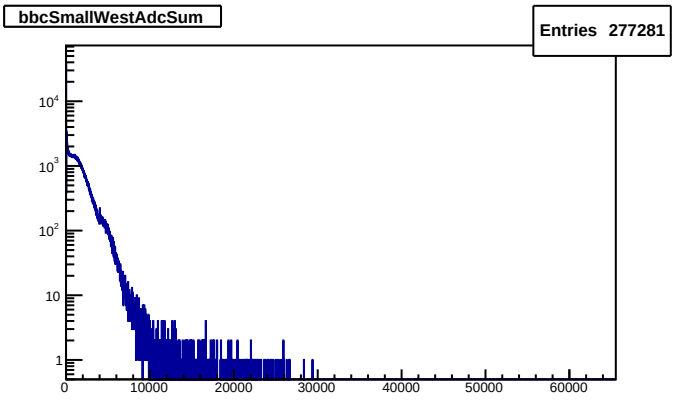

EQ3 QTC
Entries 2.661898e+07
TADC
QT Input Channel

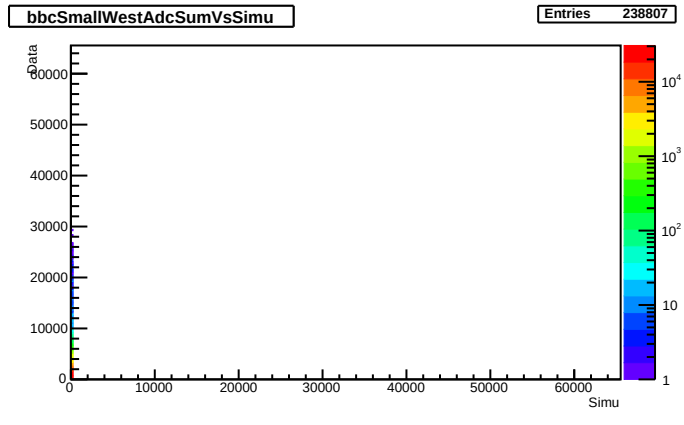

bbcSmallEastAdcSum
Entries 277281

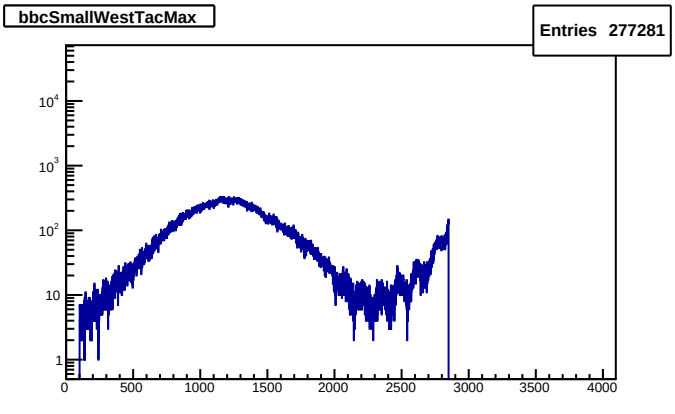

bbcSmallEastAdcSumVsSimu
Entries 210502
Data
Simu

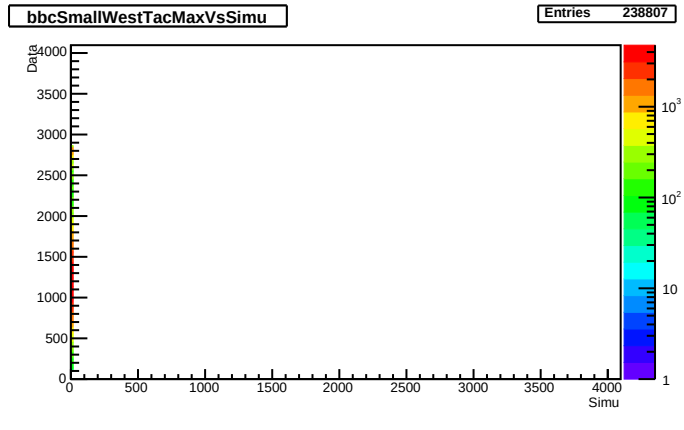

bbcSmallEastTacMax
Entries 277281

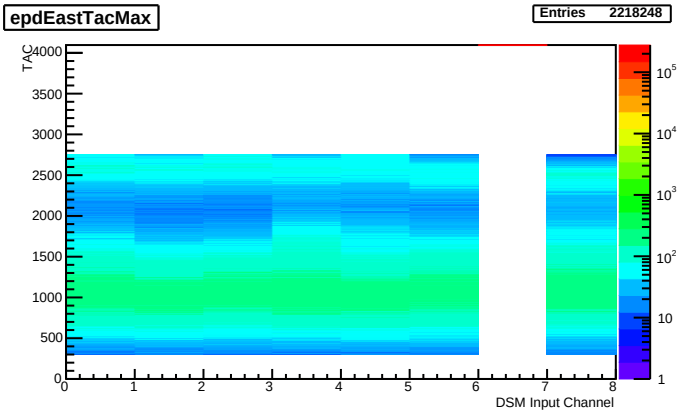

bbcSmallEastTacMaxVsSimu
Entries 210502
Data
Simu

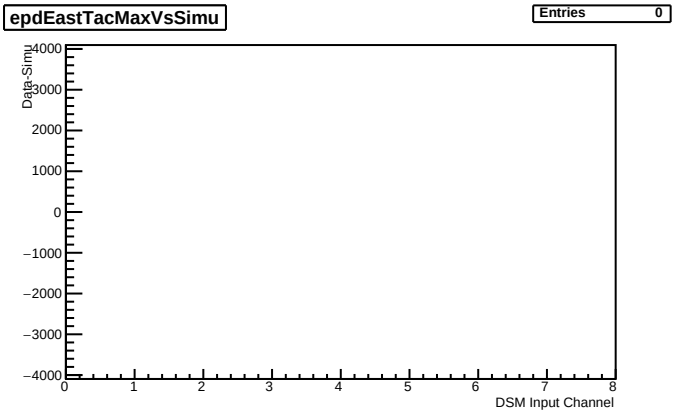

bbcSmallWestAdcSum
Entries 277281

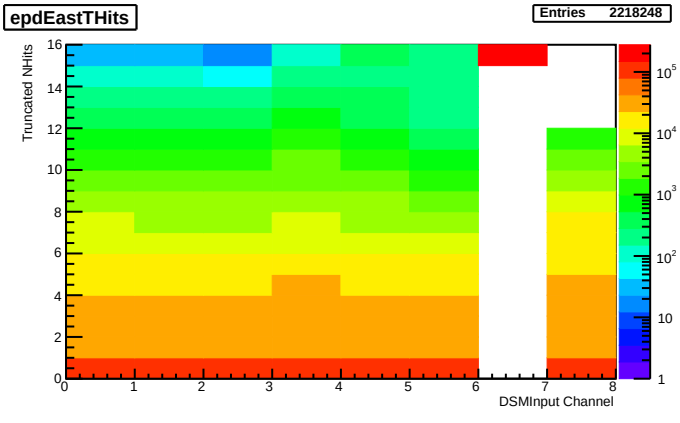

bbcSmallWestAdcSumVsSimu
Entries 238807
Data
Simu

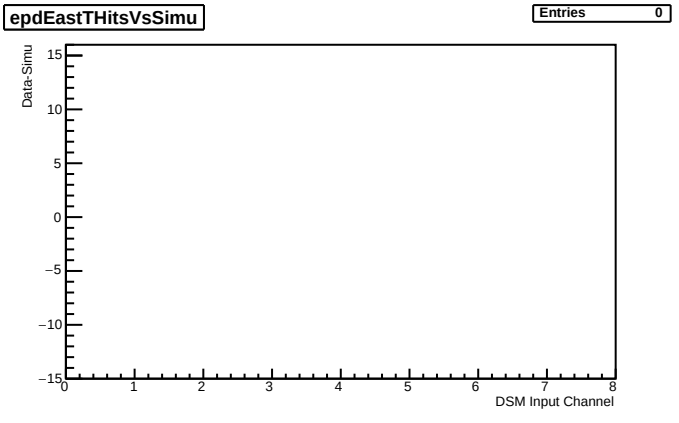

bbcSmallWestTacMax
Entries 277281

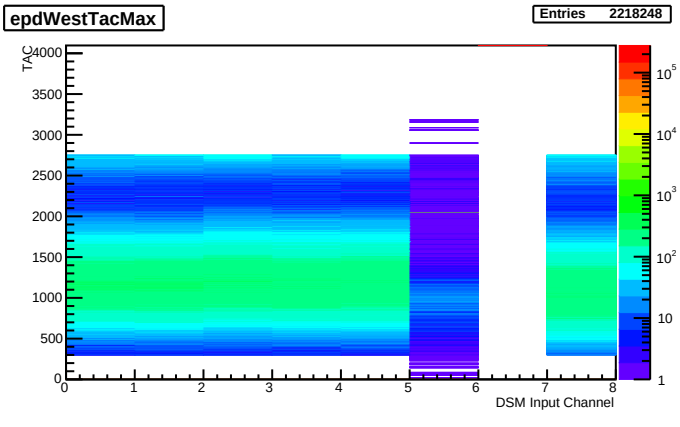

bbcSmallWestTacMaxVsSimu
Entries 238807
Data
Simu

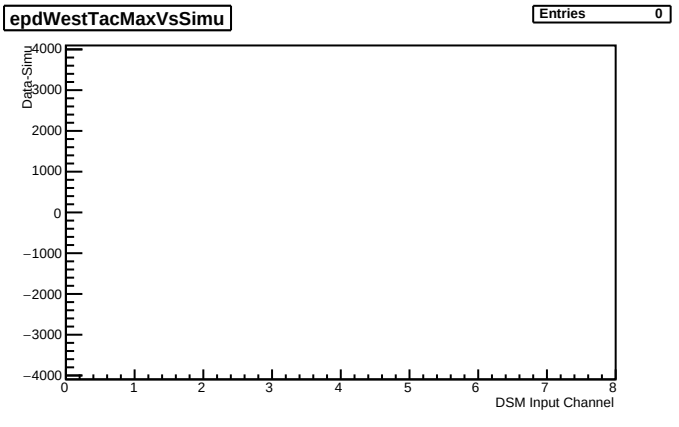

epdEastTacMax
Entries 2218248
TAC
DSM Input Channel

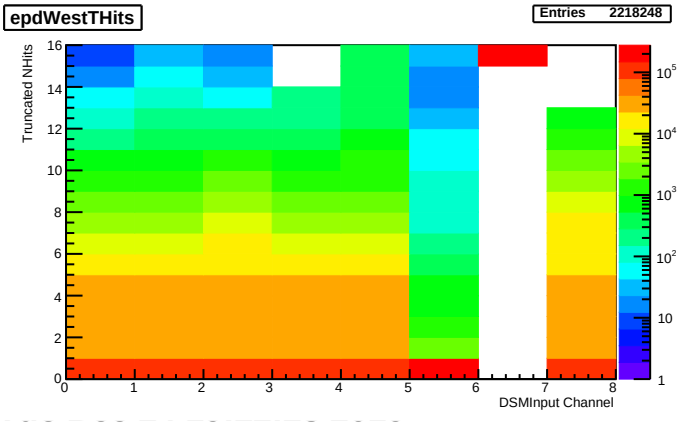

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

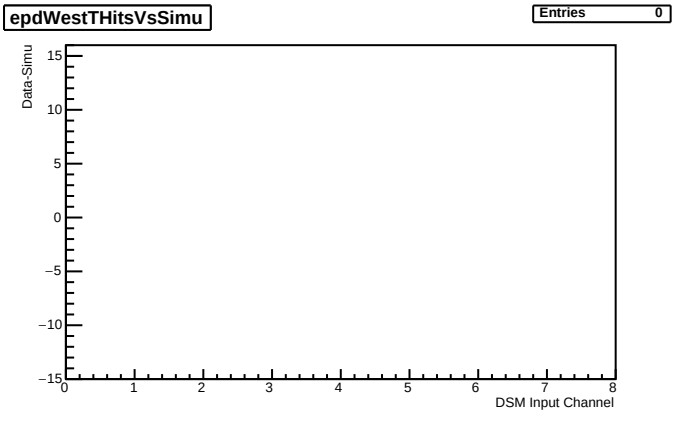

epdEastTHits
Entries 2218248
Truncated NHits
DSMInput Channel

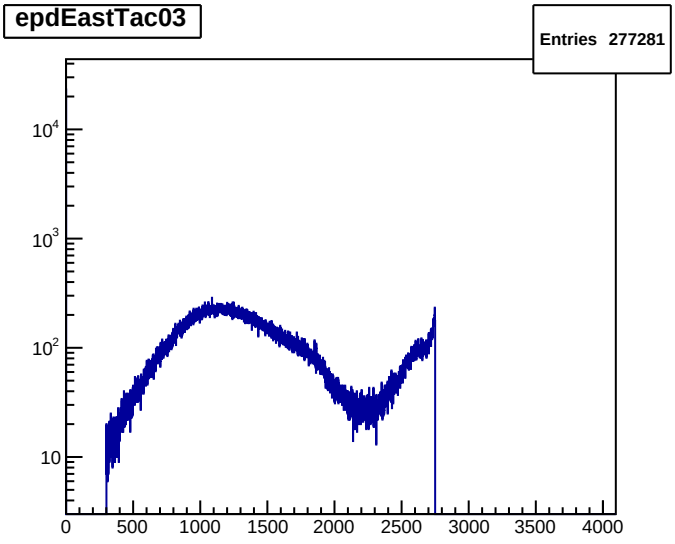

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

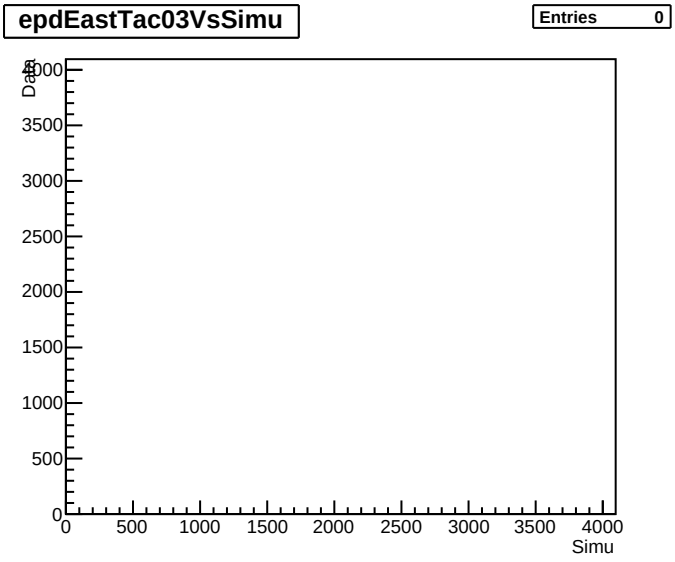

epdWestTacMax
Entries 2218248
TAC
DSM Input Channel

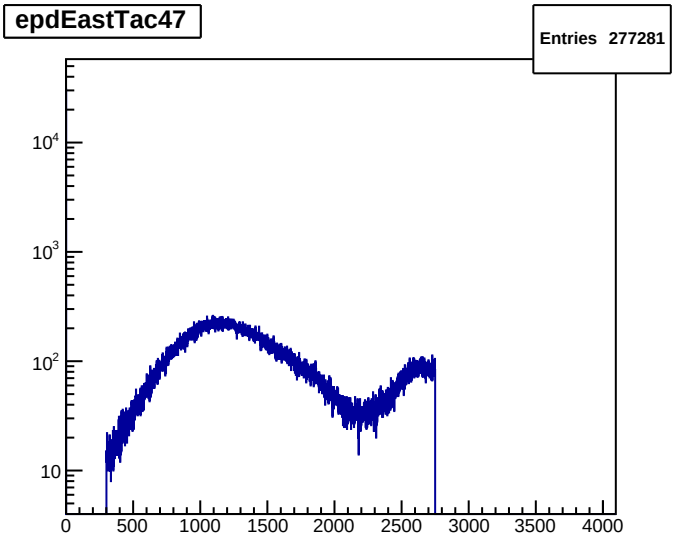

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

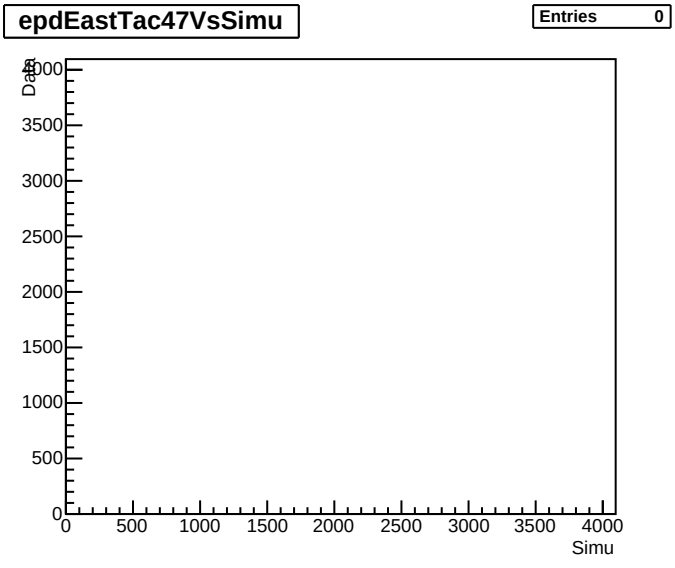

epdWestTHits
Entries 2218248
Truncated NHits
DSMInput Channel

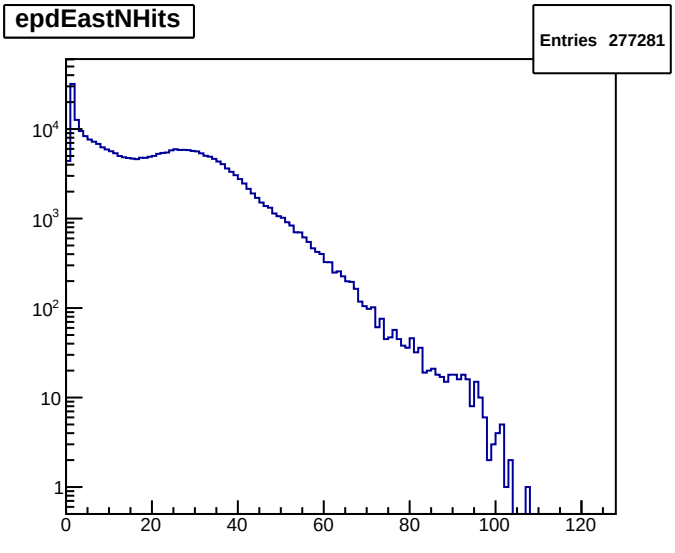

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

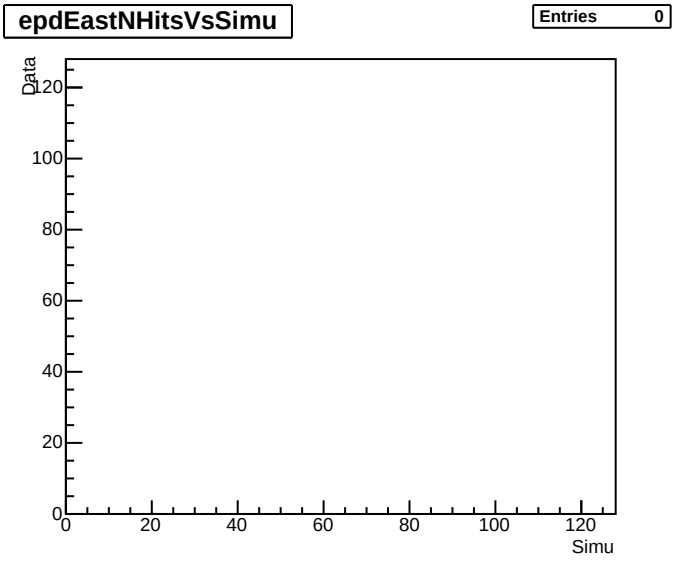

epdEastTac03
Entries 277281
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

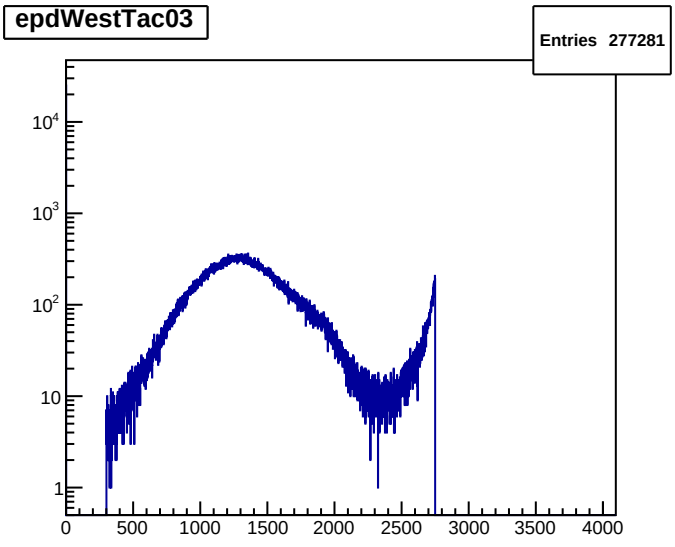

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

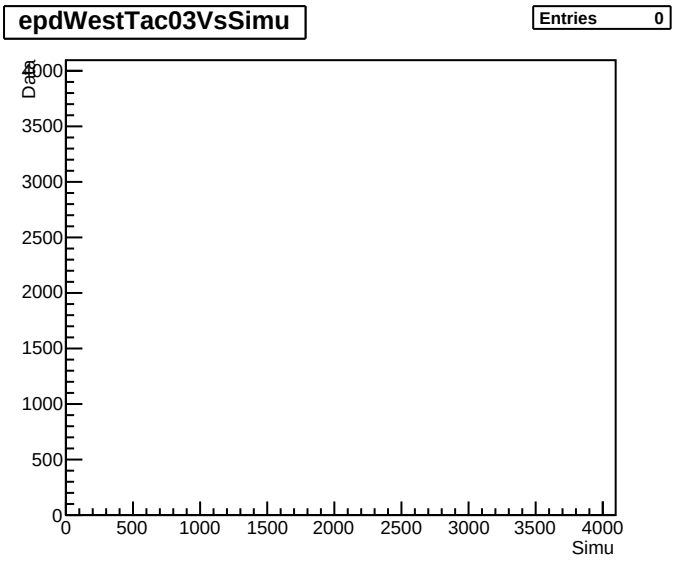

epdEastTac47
Entries 277281
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

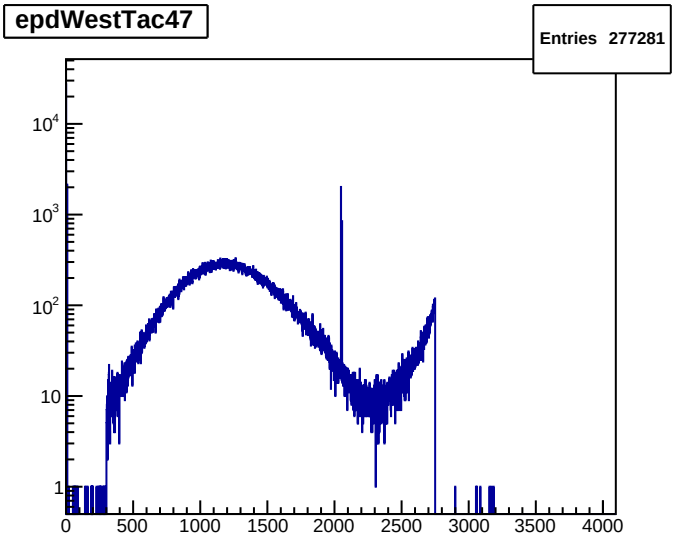

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

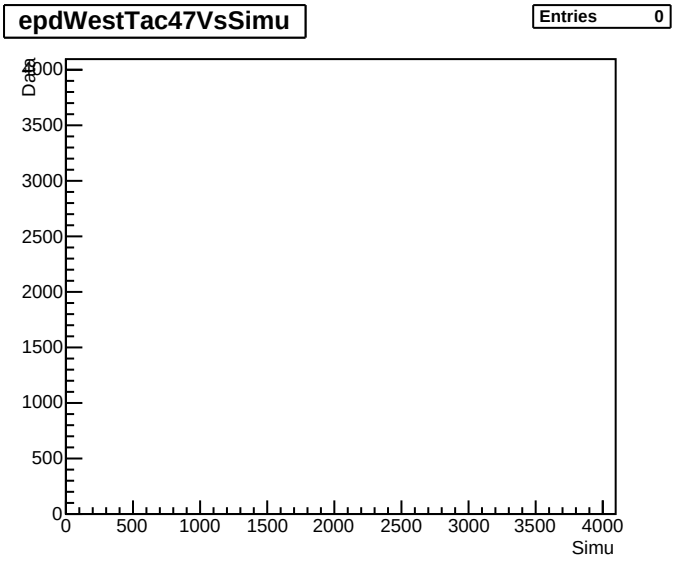

epdEastNHits
Entries 277281
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

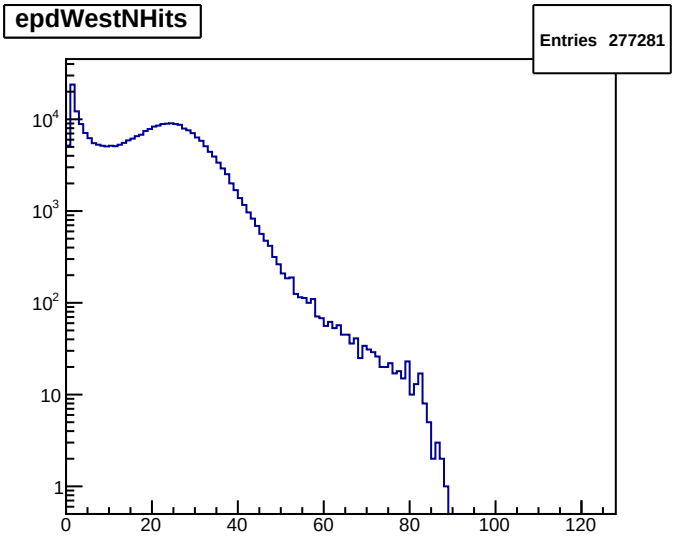

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

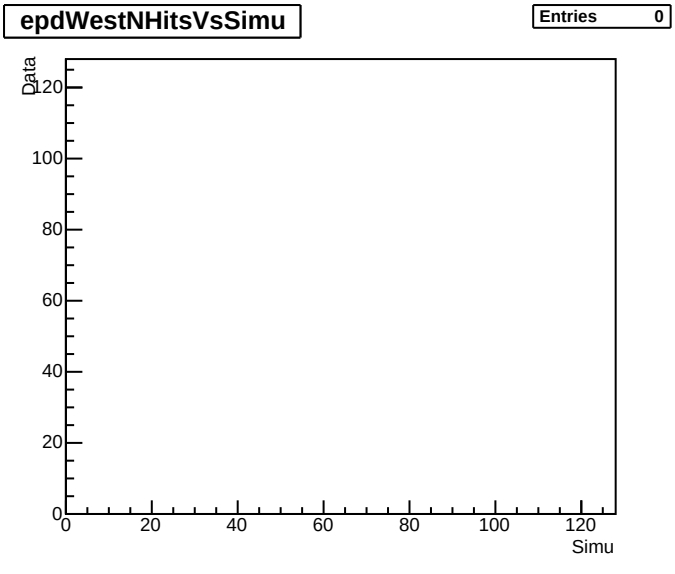

epdWestTac03
Entries 277281

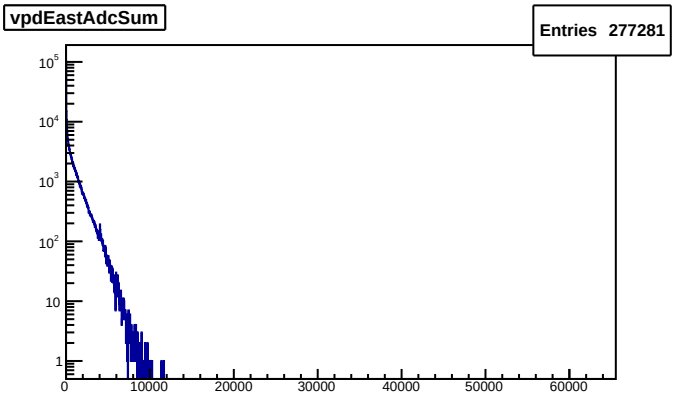

epdWestTac03VsSimu
Entries 0
Data
Simu

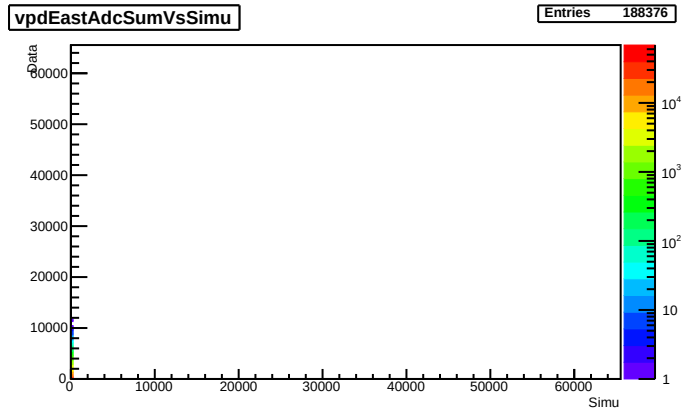

epdWestTac47
Entries 277281

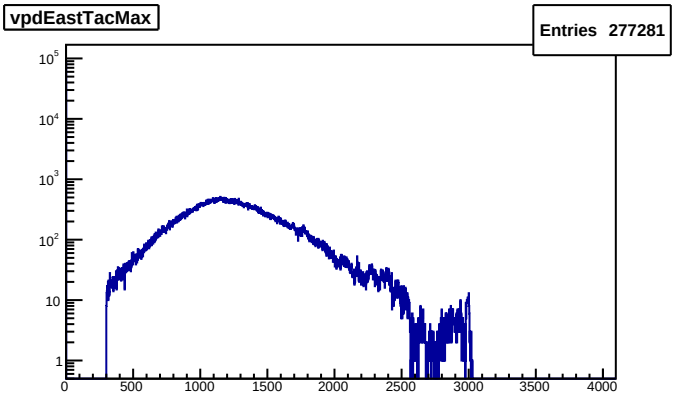

epdWestTac47VsSimu
Entries 0
Data
Simu

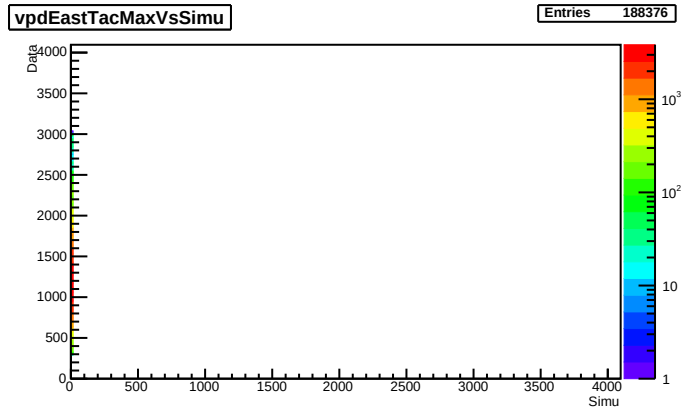

epdWestNHits
Entries 277281

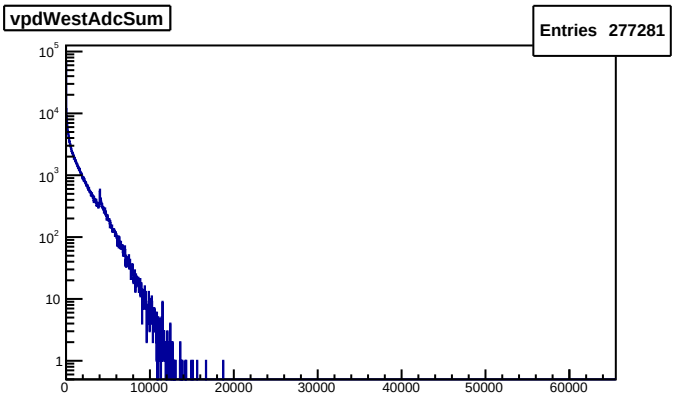

epdWestNHitsVsSimu
Entries 0
Data
Simu

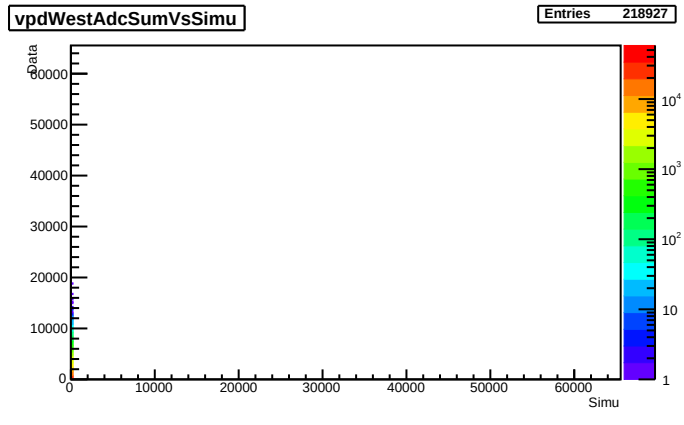

vpdEastAdcSum
Entries 277281

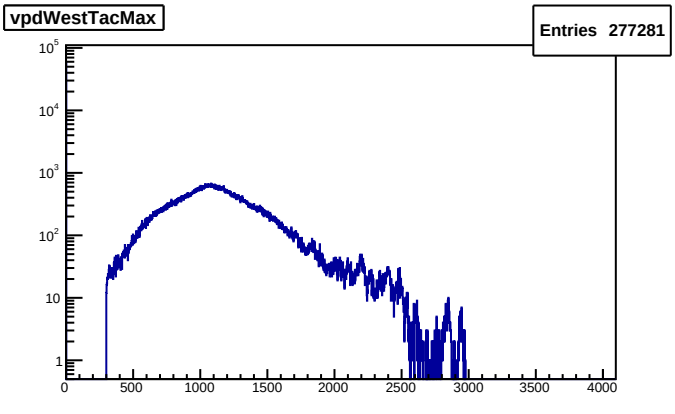

vpdEastAdcSumVsSimu
Entries 188376
Data
Simu

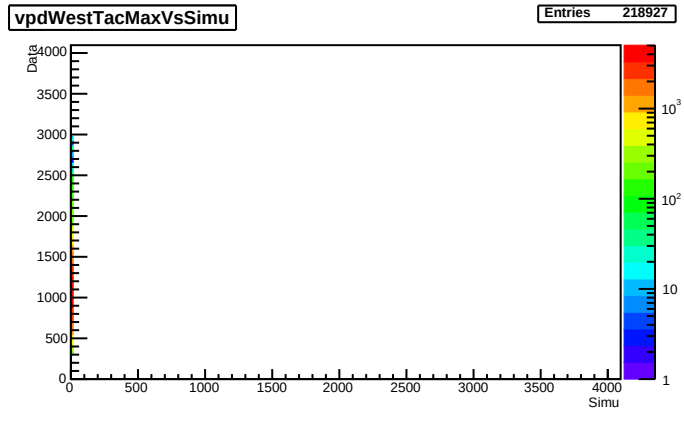

vpdEastTacMax
Entries 277281

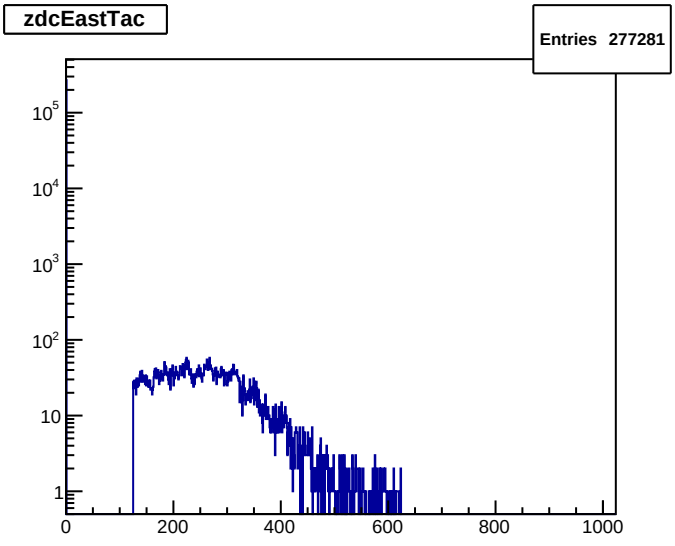

vpdEastTacMaxVsSimu
Entries 188376
Data
Simu

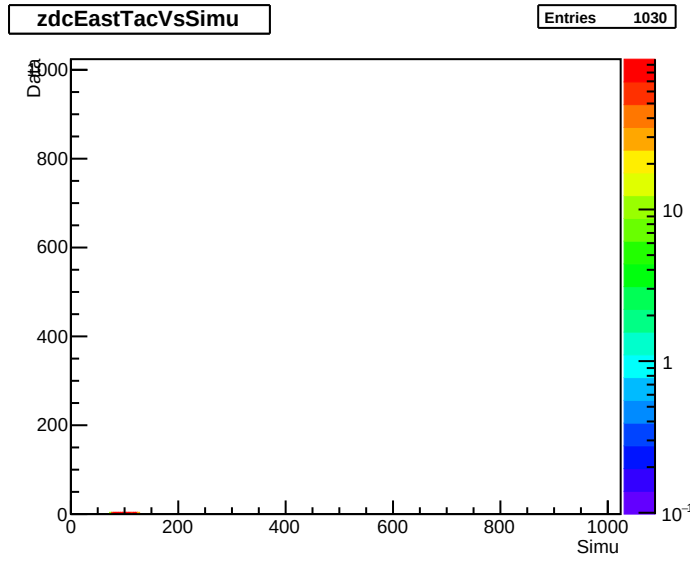

vpdWestAdcSum
Entries 277281

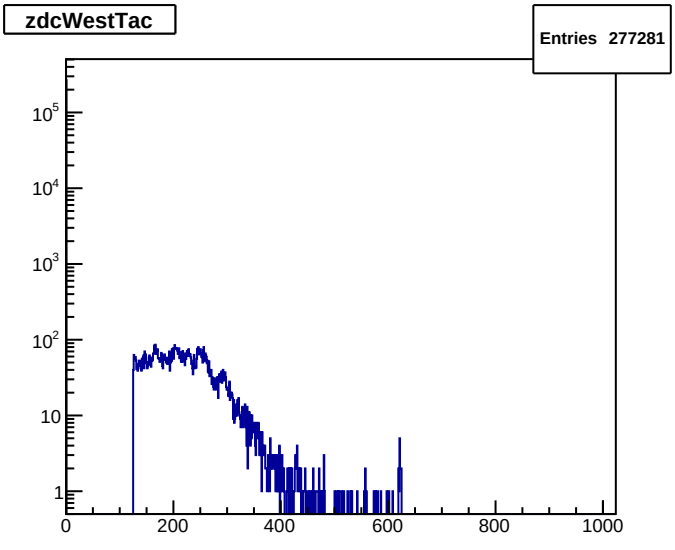

vpdWestAdcSumVsSimu
Entries 218927
Data
Simu

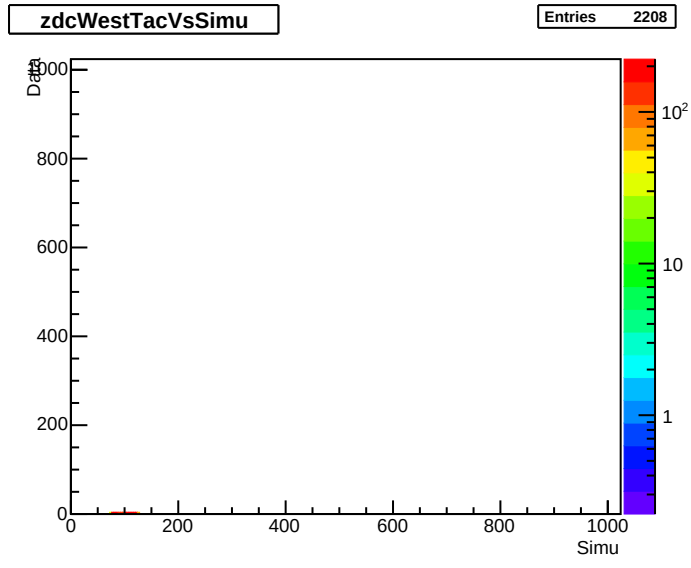

vpdWestTacMax
Entries 277281

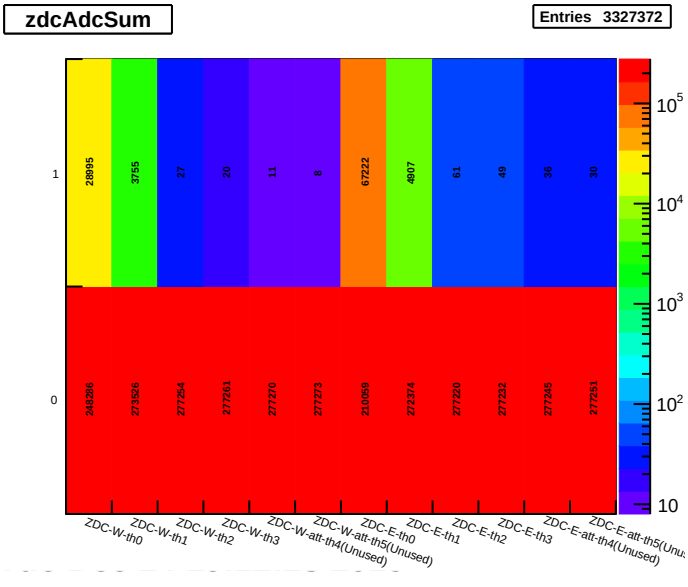

vpdWestTacMaxVsSimu
Entries 218927
Data
Simu

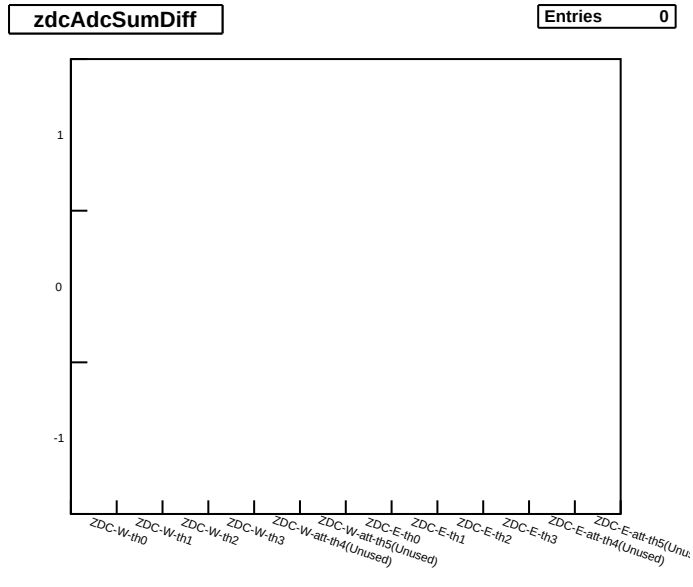

zdcEastTac
Entries 277281

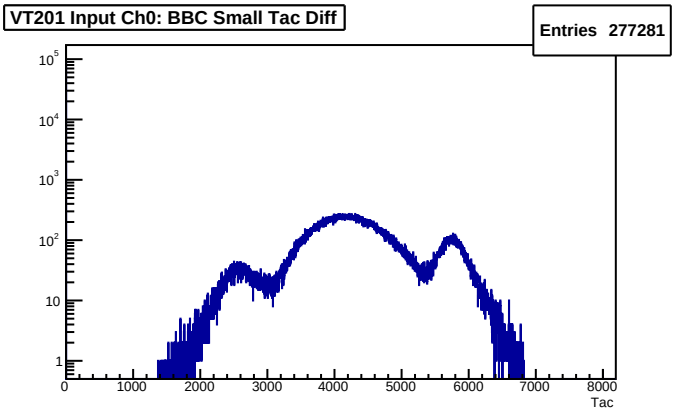

zdcEastTacVsSimu
Entries 1030
Data
Simu

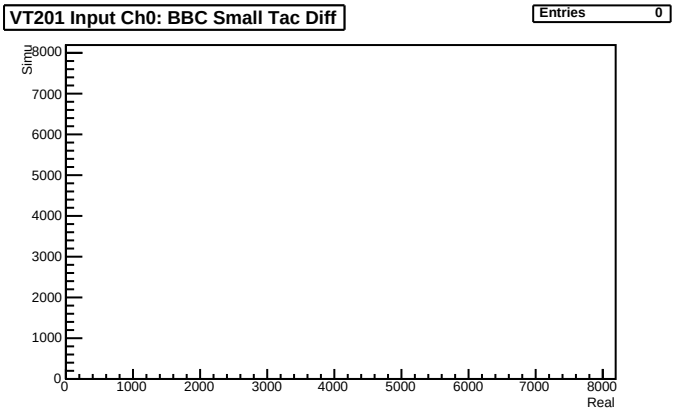

zdcWestTac
Entries 277281

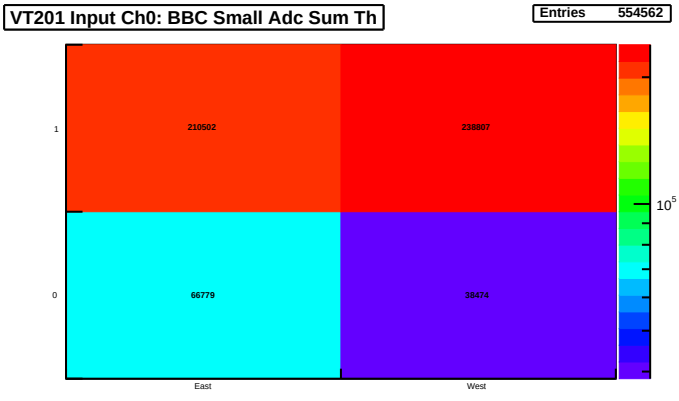

zdcWestTacVsSimu
Entries 2208
Data
Simu

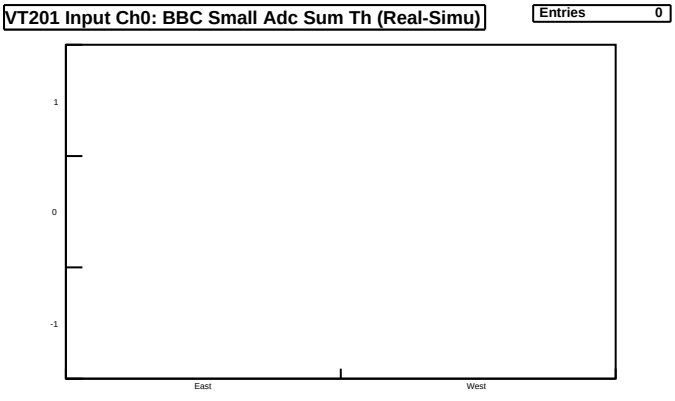

zdcAdcSum
Entries 3327372
28995
3755
27
20
11
8
67222
4907
61
49
36
30
248286
273526
277254
277261
277270
277273
210659
272374
277220
277232
277245
277251
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

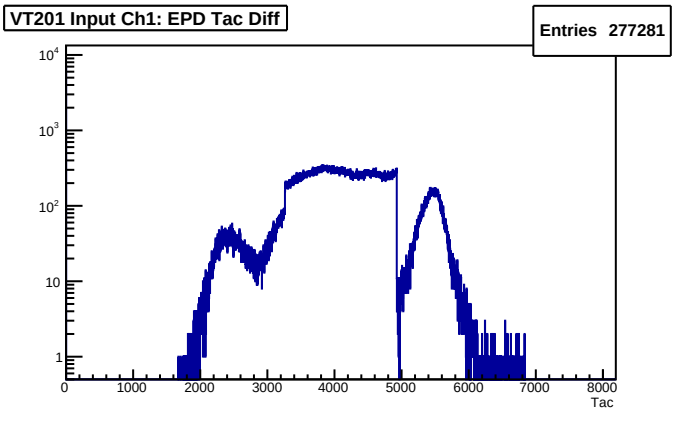

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

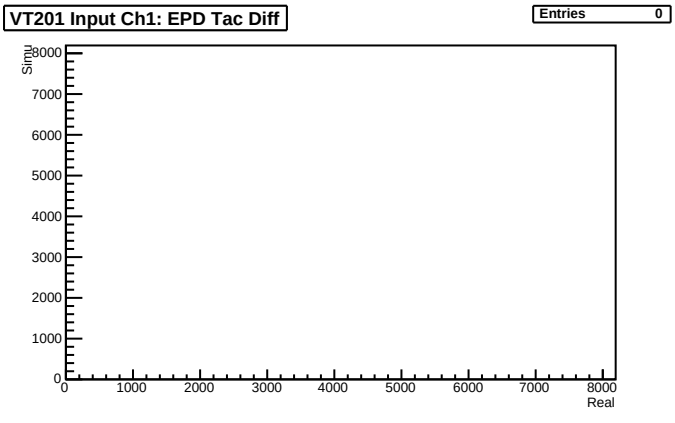

VT201 Input Ch0: BBC Small Tac Diff
Entries 277281
Tac

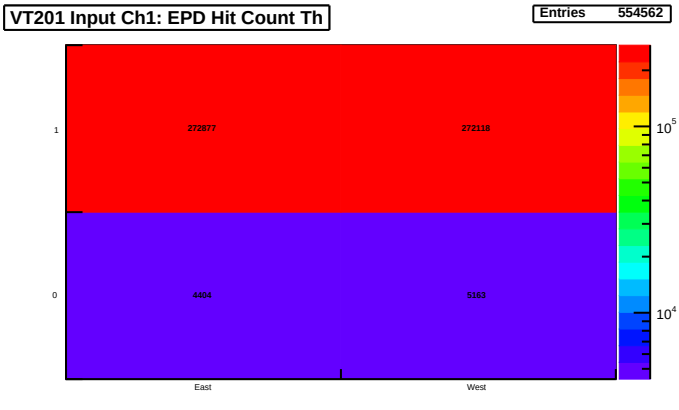

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

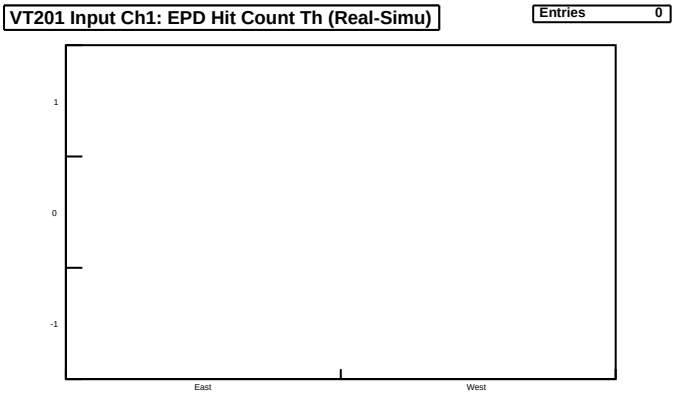

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 554562
210502
238807
66779
38474
East
West

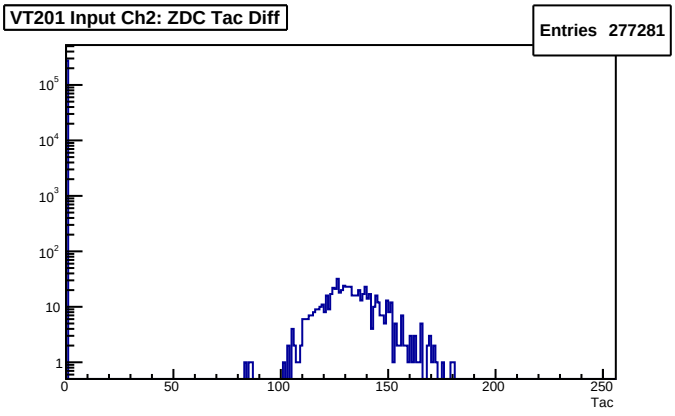

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

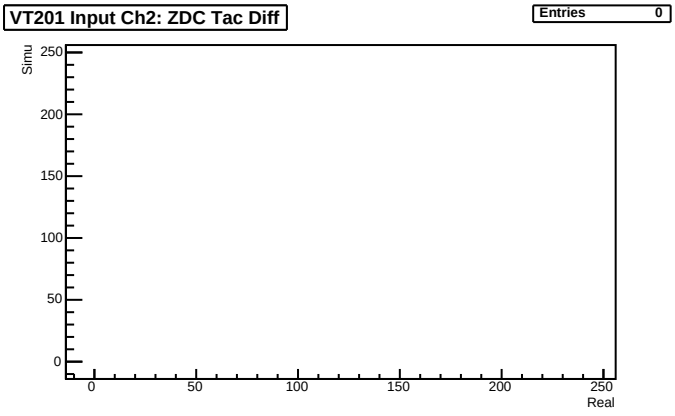

VT201 Input Ch1: EPD Tac Diff
Entries 277281
Tac

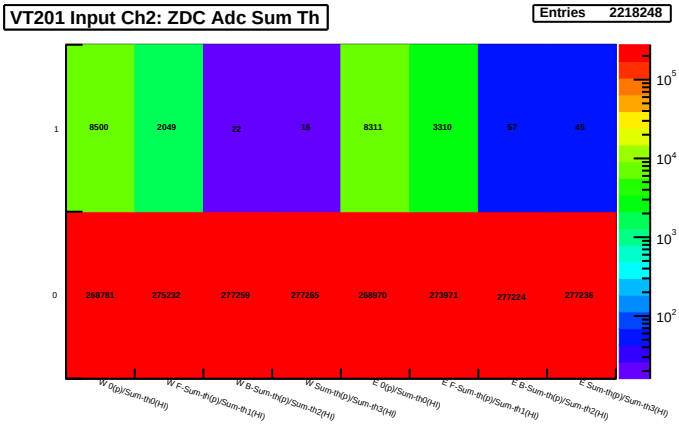

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

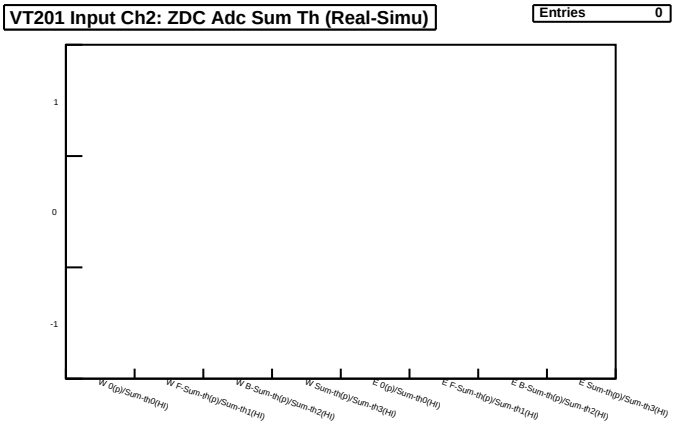

VT201 Input Ch1: EPD Hit Count Th
Entries 554562
272877
272118
4404
5163
East
West

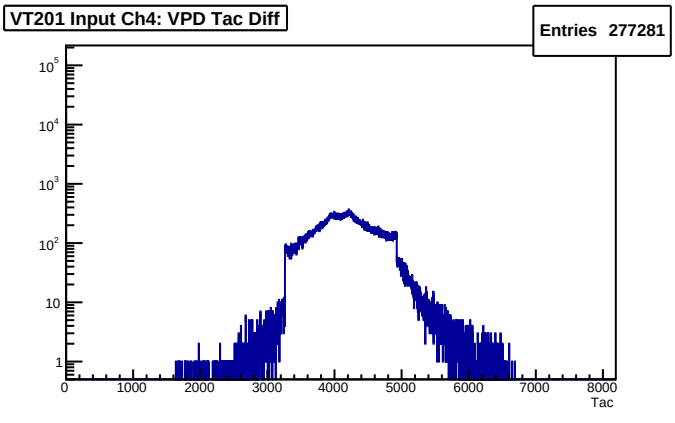

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

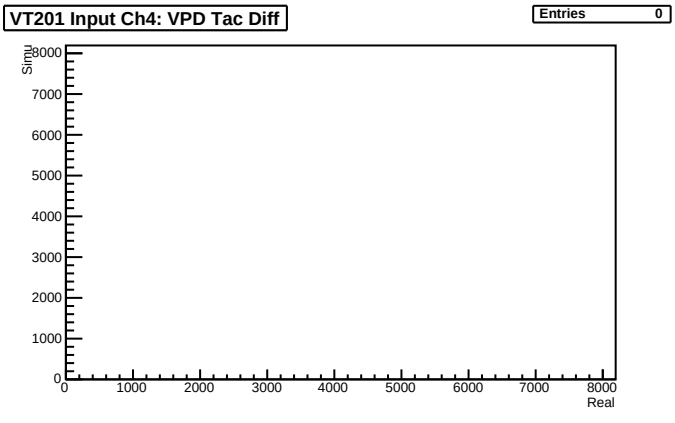

VT201 Input Ch2: ZDC Tac Diff
Entries 277281
Tac

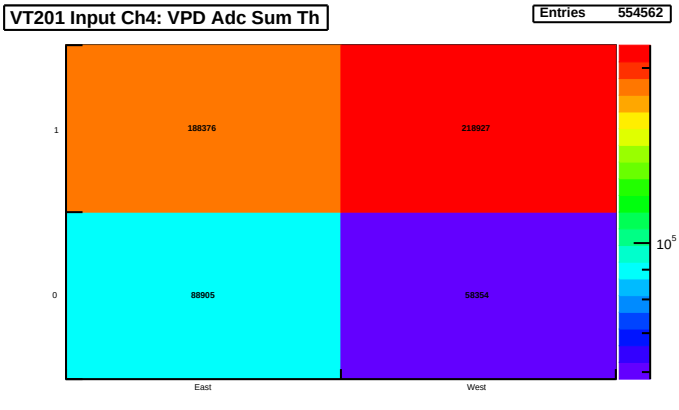

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

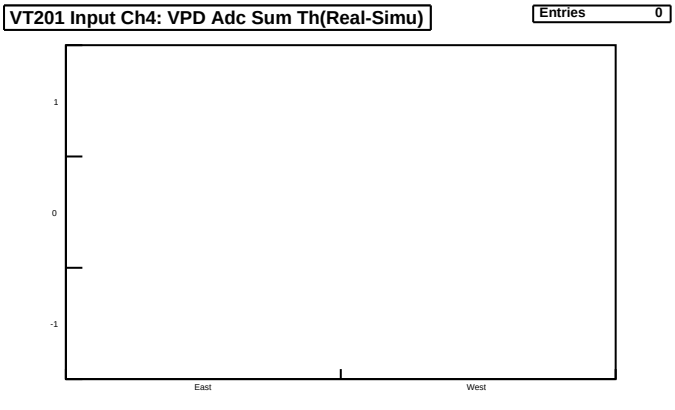

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2218248
8500
2049
22
16
8311
3310
57
45
268781
275232
277259
277265
268970
273971
277224
277236
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

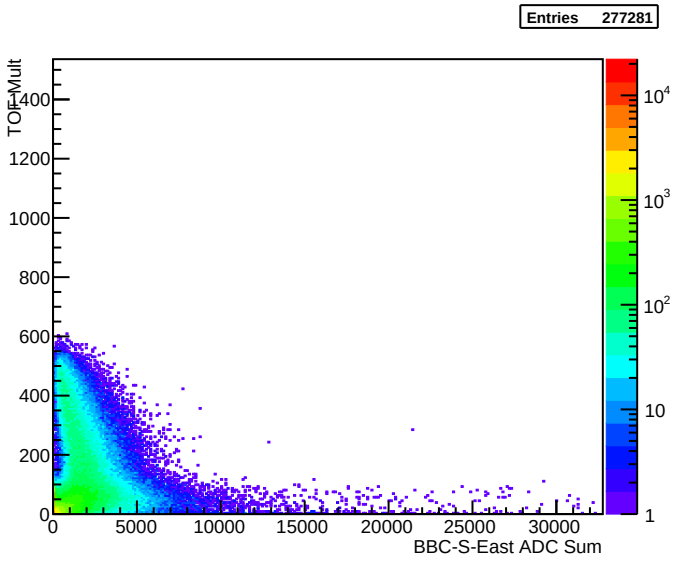

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

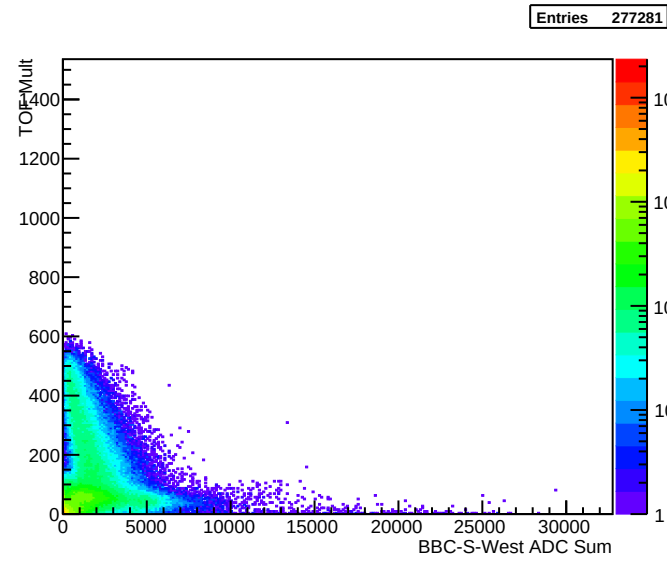

VT201 Input Ch4: VPD Tac Diff
Entries 277281
Tac

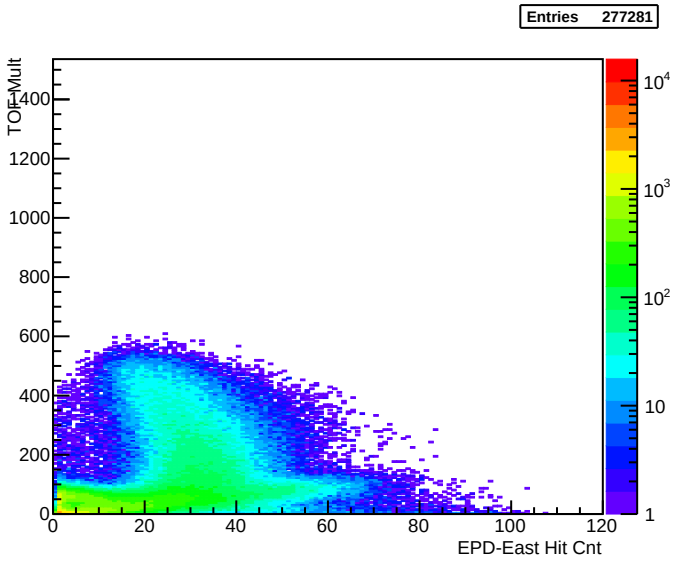

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

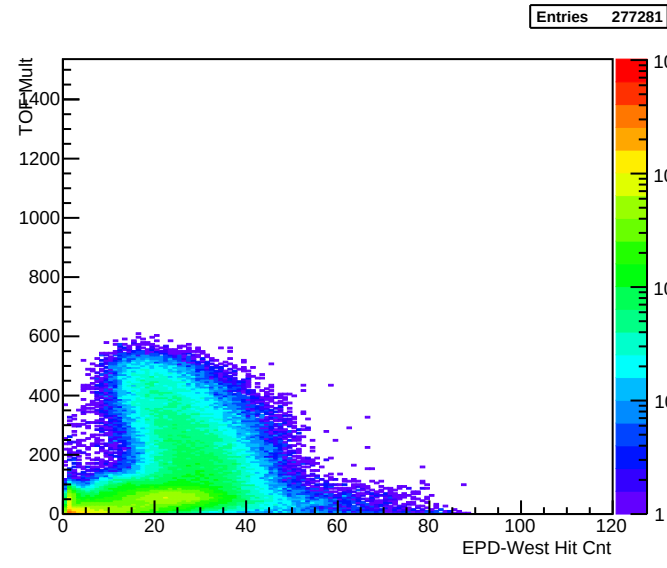

VT201 Input Ch4: VPD Adc Sum Th
Entries 554562
188376
210927
88905
58354
East
West

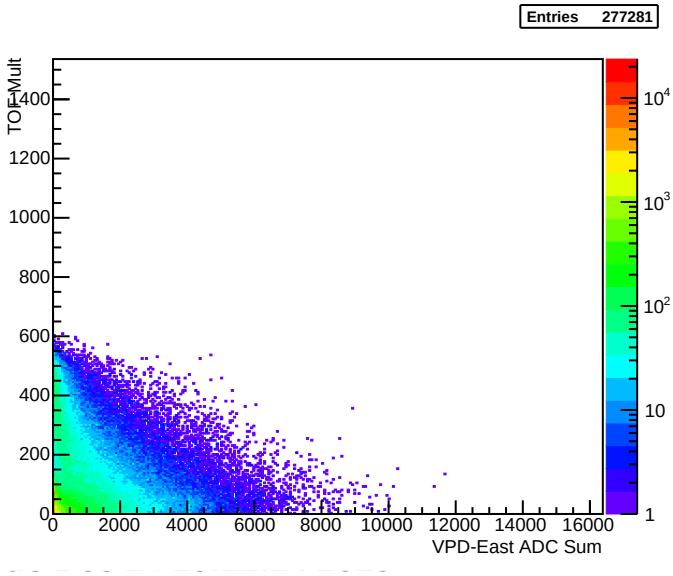

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

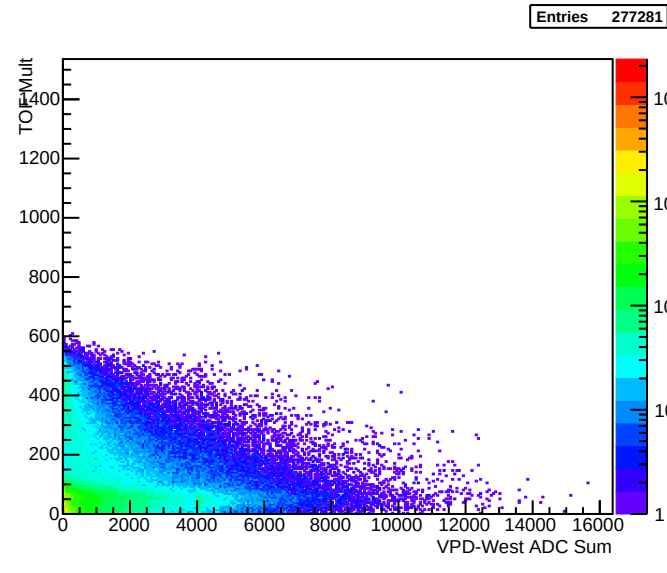

Entries 277281
TOF-Mult
BBC-S-East ADC Sum

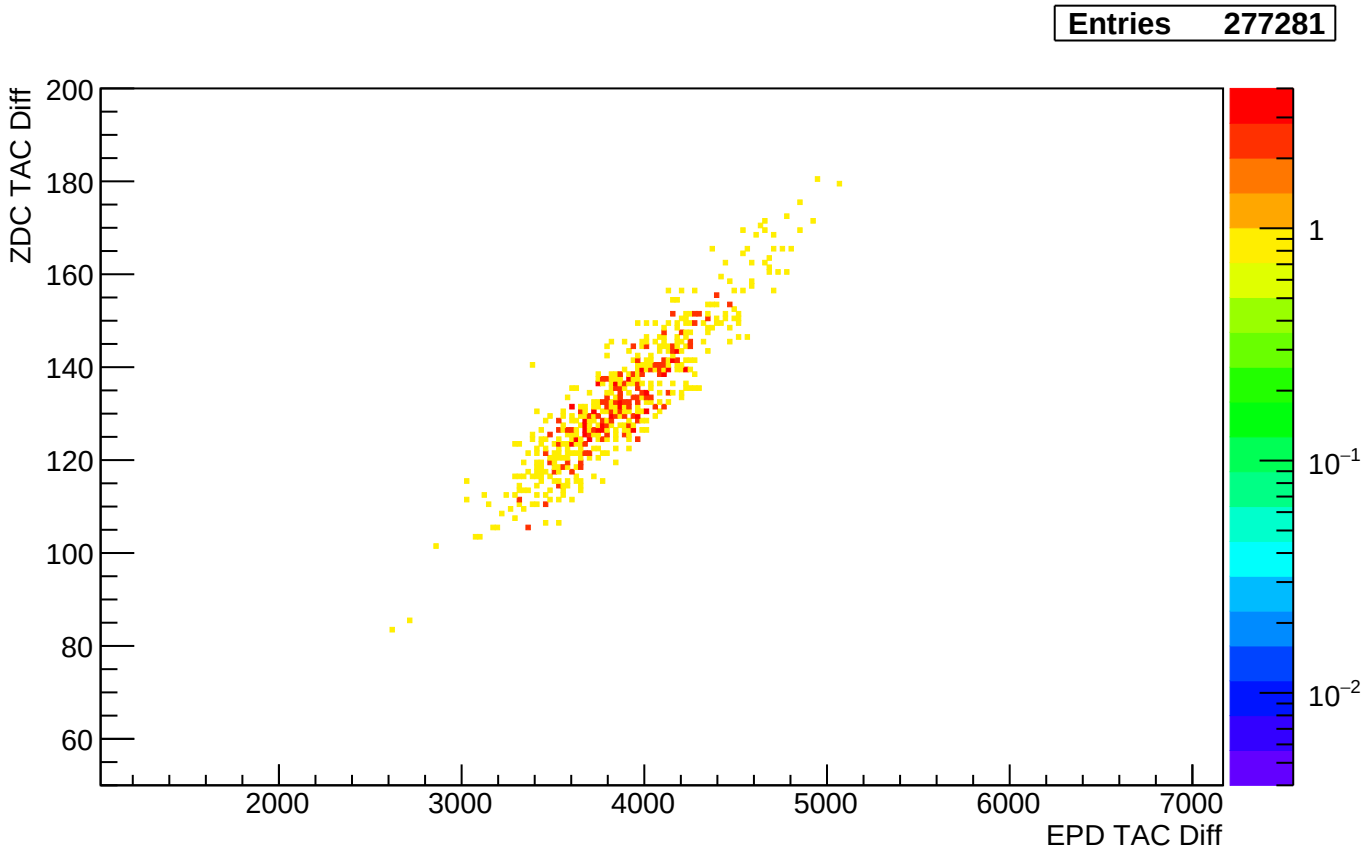

Entries 277281
TOF-Mult
BBC-S-West ADC Sum

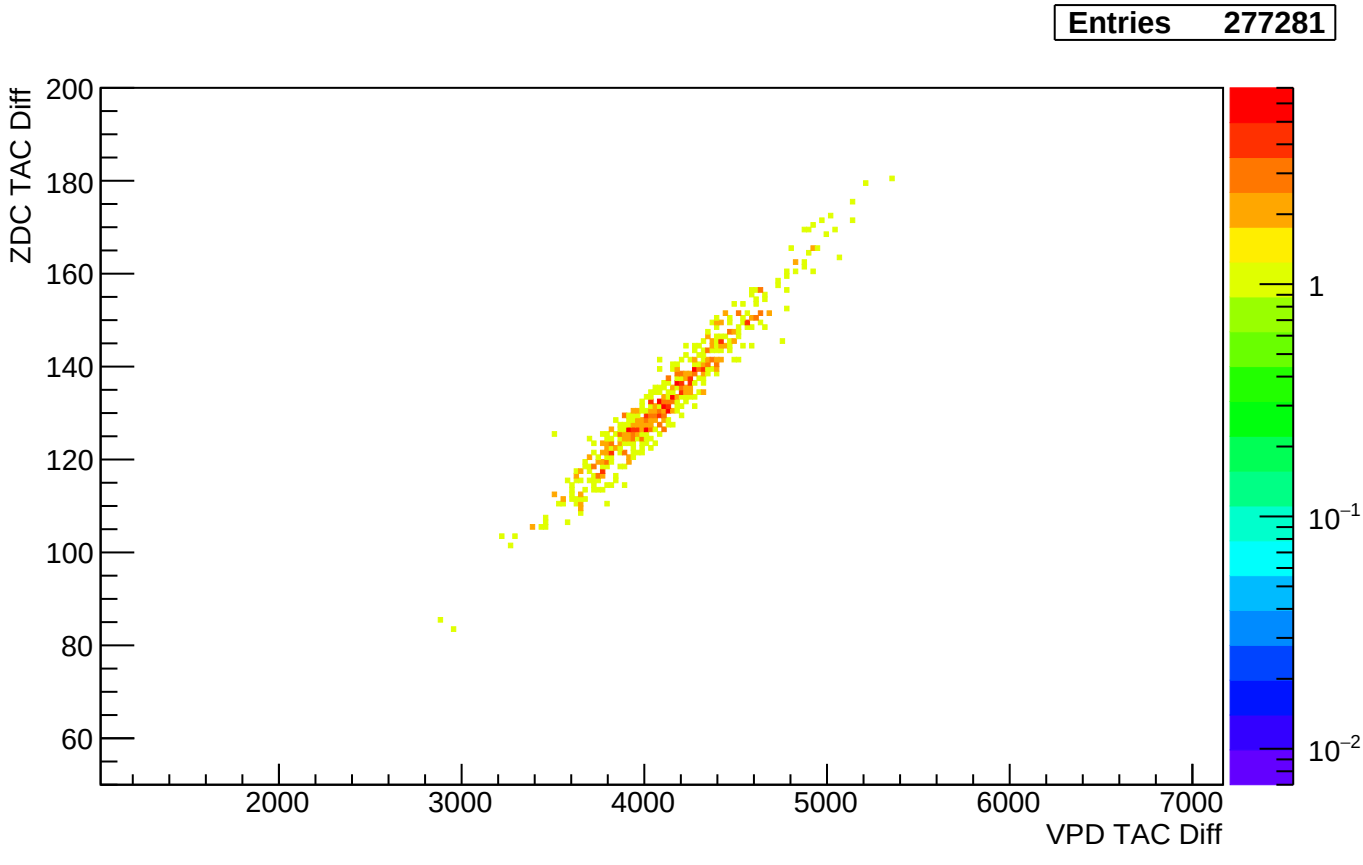

Entries 277281
TOF-Mult
EPD-East Hit Cnt

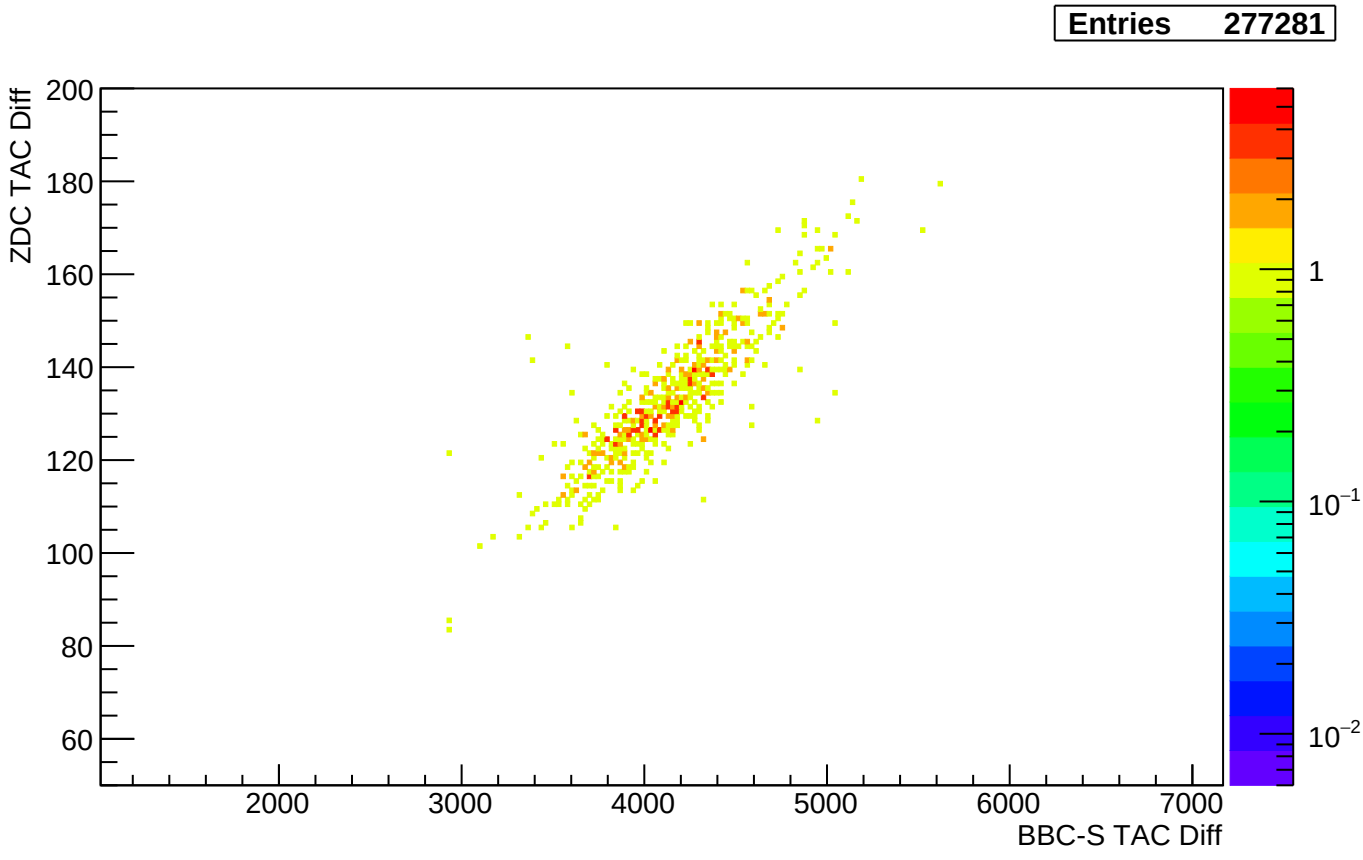

Entries 277281
TOF-Mult
EPD-West Hit Cnt

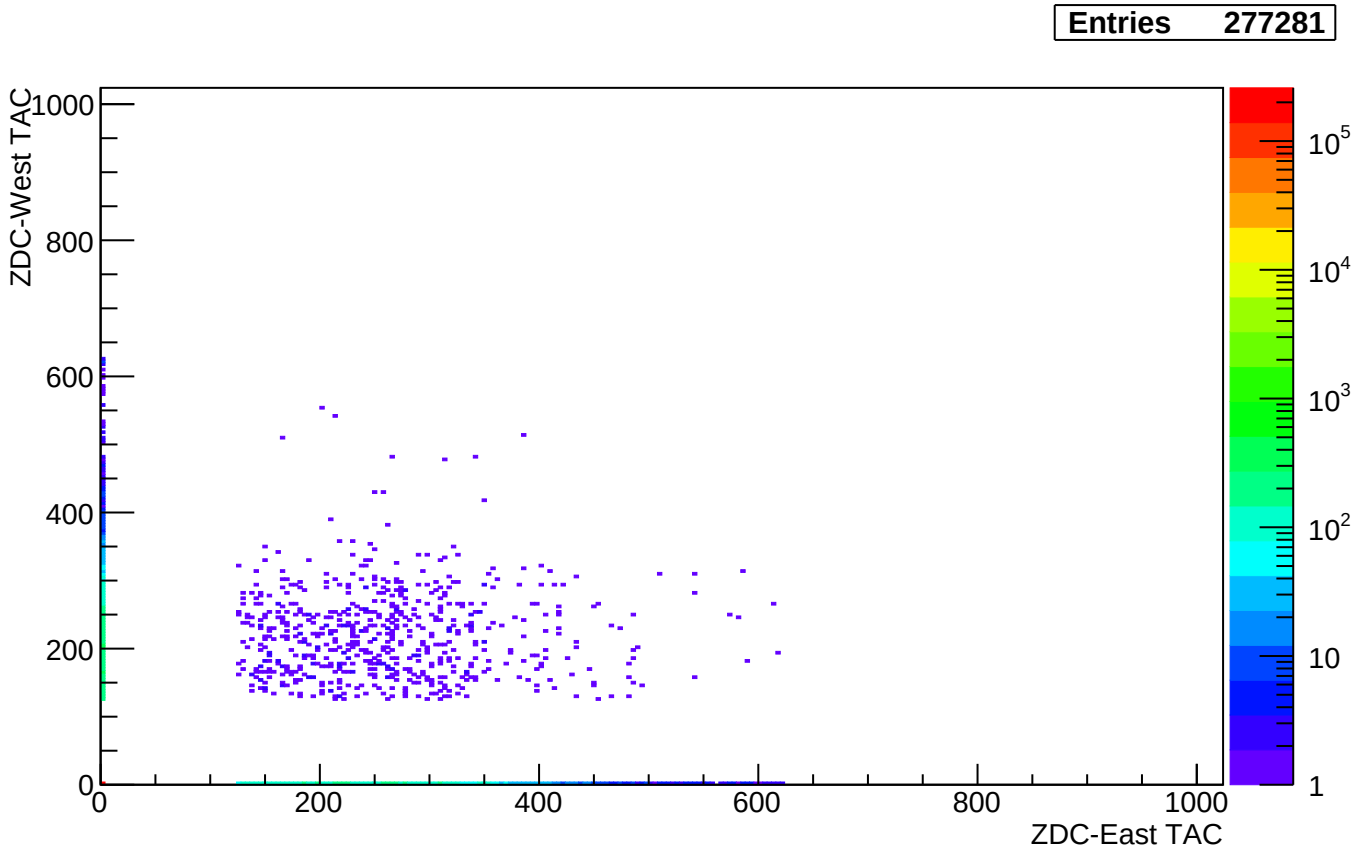

Entries 277281
TOF-Mult
VPD-East ADC Sum

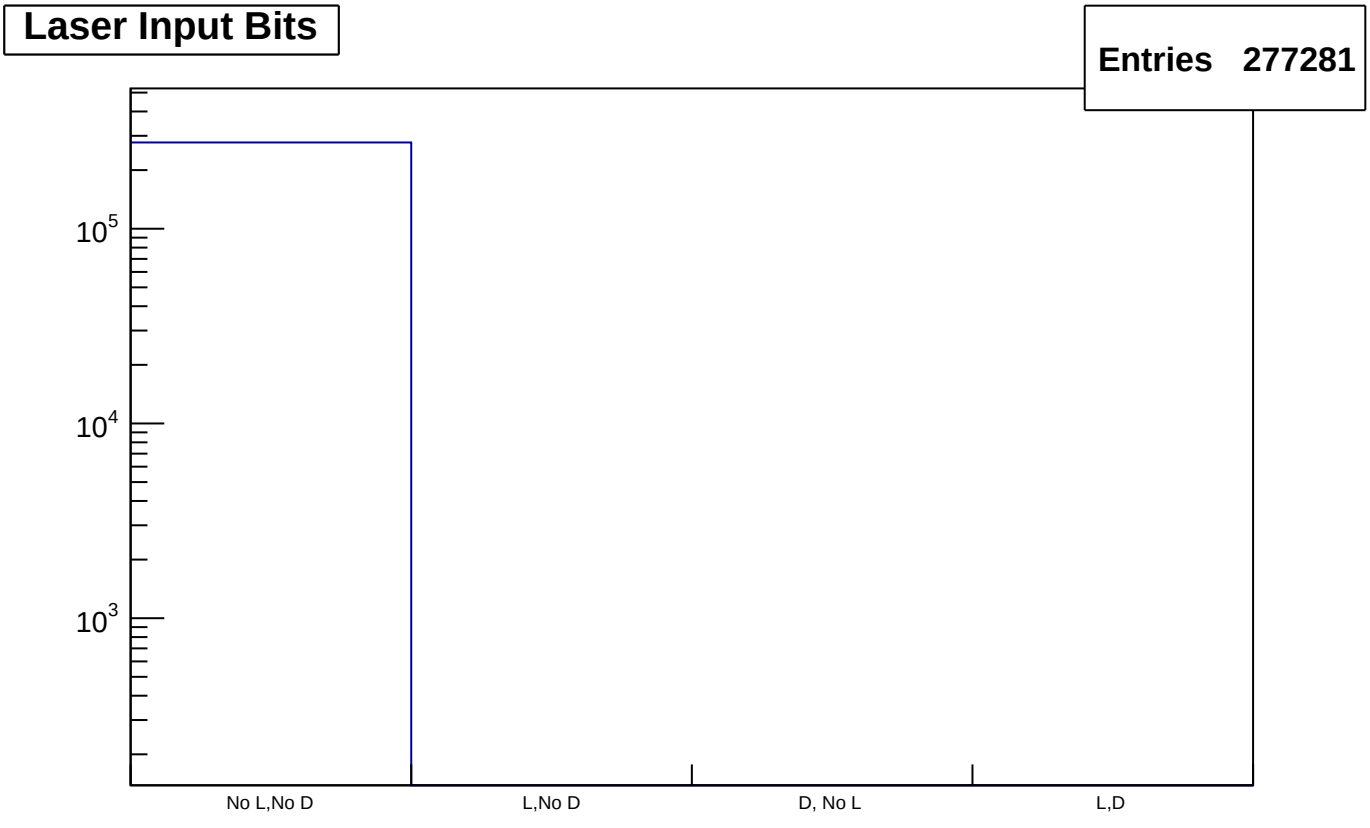

Entries 277281
TOF-Mult
VPD-West ADC Sum

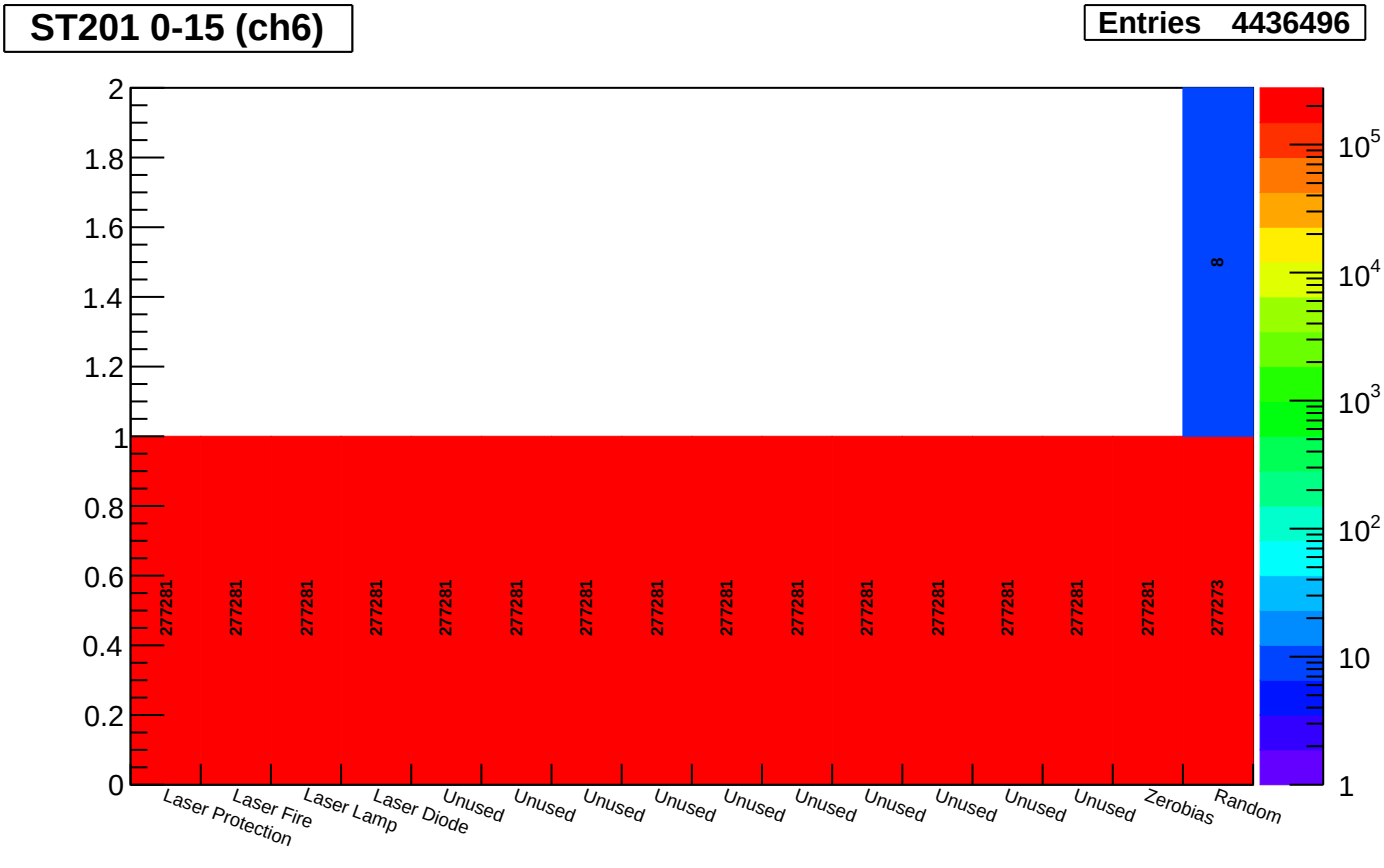

Entries 277281
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

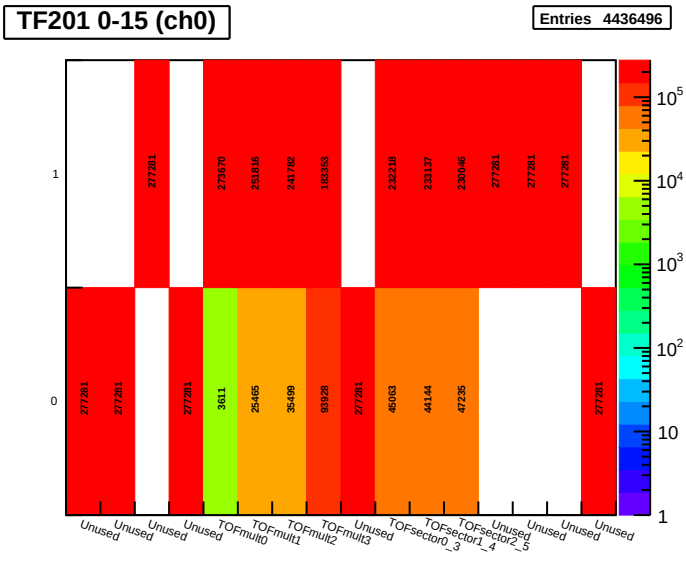

Entries 277281
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

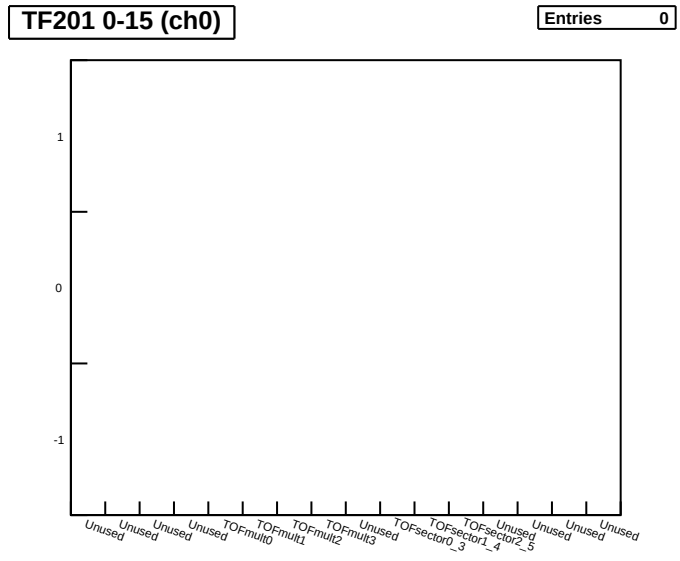

Entries 277281
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

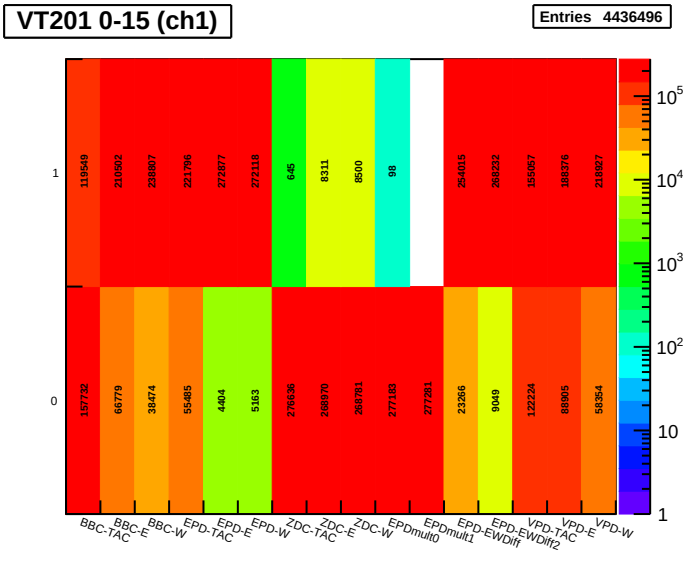

Entries 277281
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

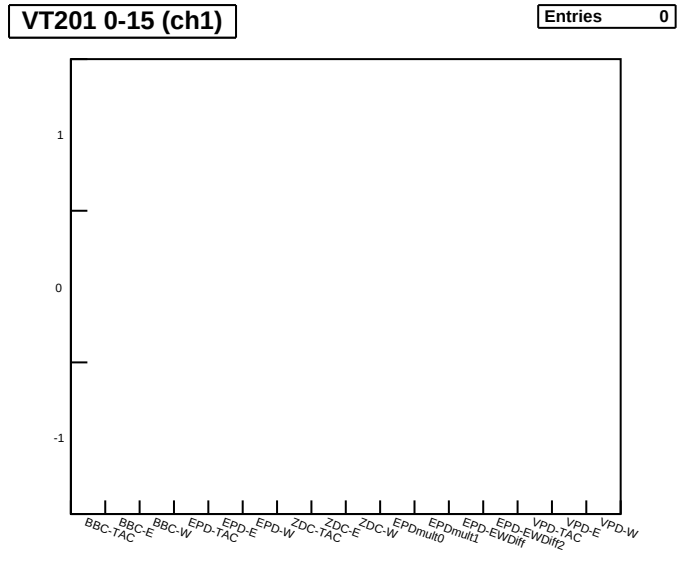

Laser Input Bits
Entries 277281
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

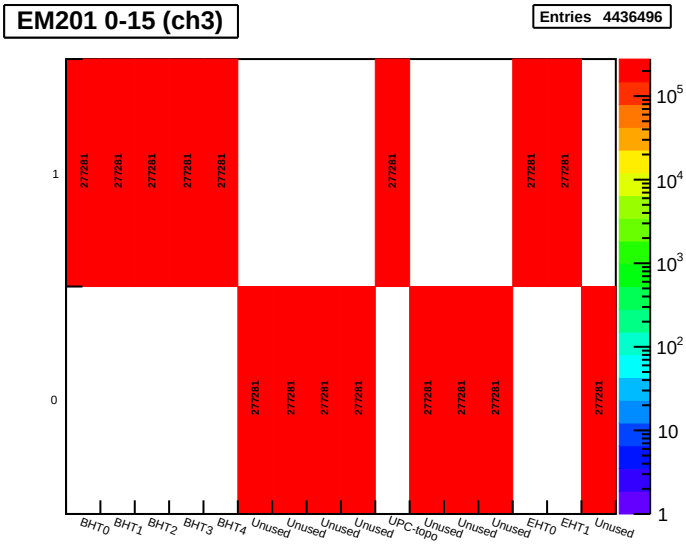

ST201 0-15 (ch6)
Entries 4436496
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
277281
277273
8
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

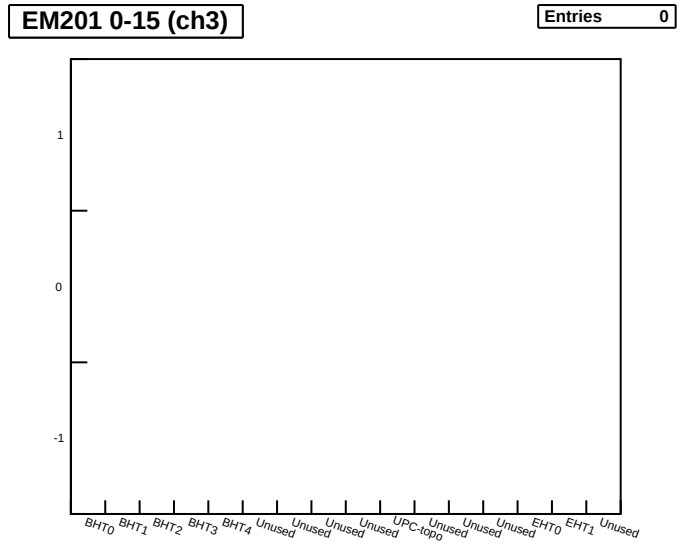

TF201 0-15 (ch0)
Entries 4436496
1
0
277281
273670
251816
241782
183353
232218
233137
230046
277281
277281
277281
277281
277281
277281
3611
25465
35499
93928
277281
45063
44144
47235
277281
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 4436496
1
0
119549
210502
238807
221796
272877
272118
645
8311
8500
98
254015
268232
155067
188376
218927
15732
66779
38474
55485
4404
5163
276636
268970
268781
277183
277281
23266
9049
122224
88905
58354
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 4436496
1
0
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
277281
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