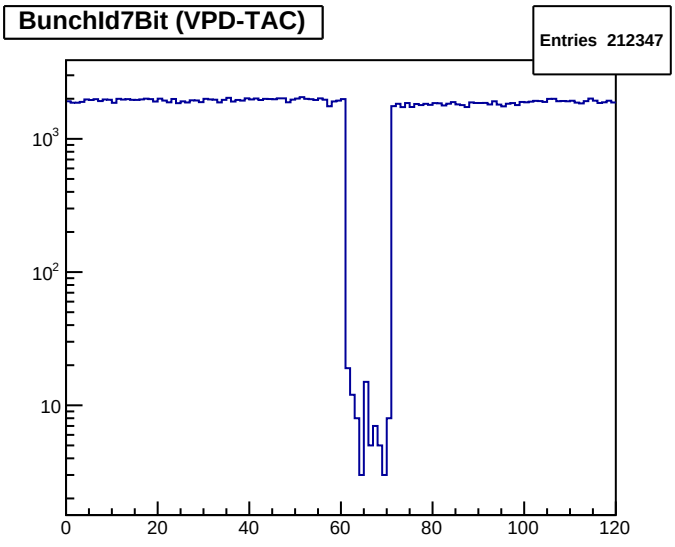
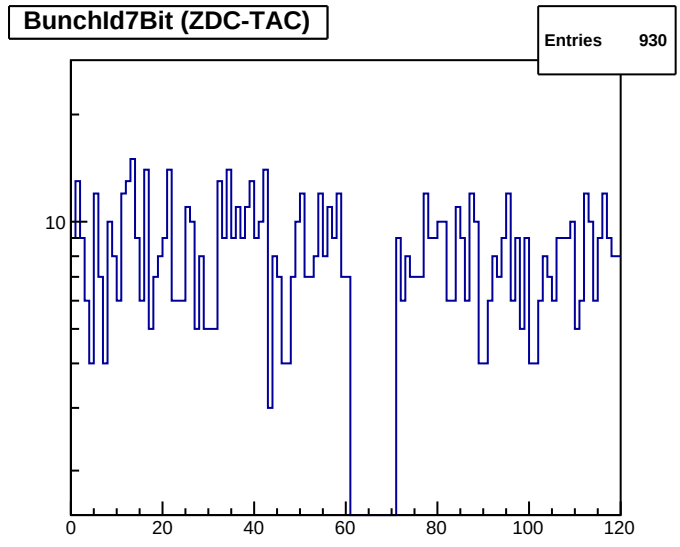
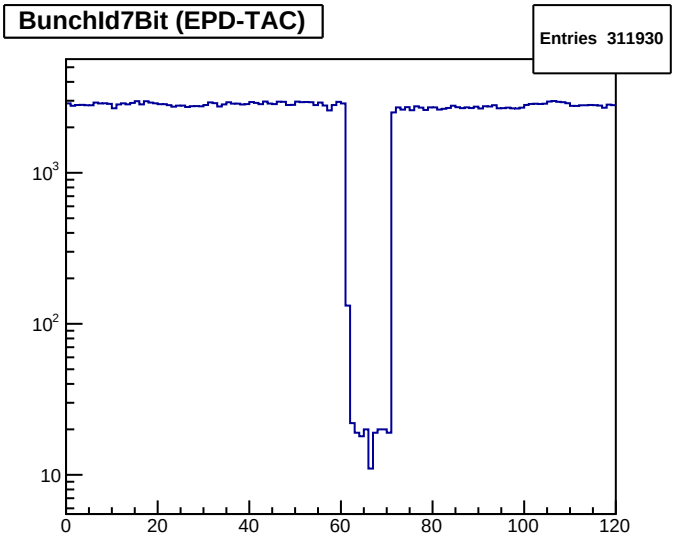
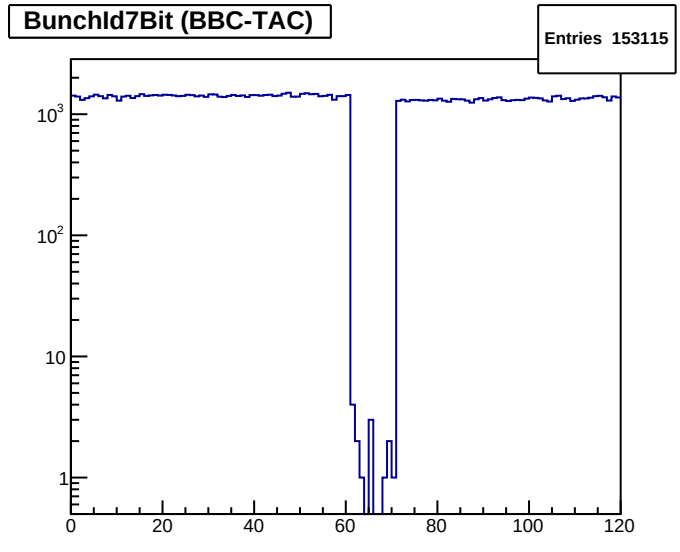
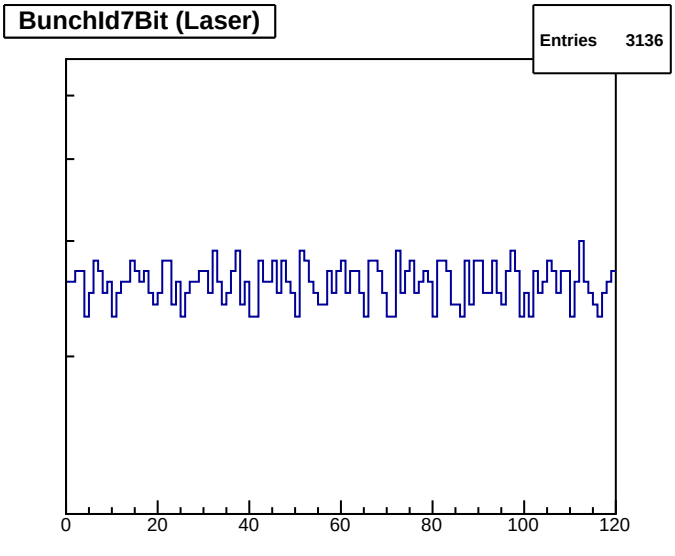
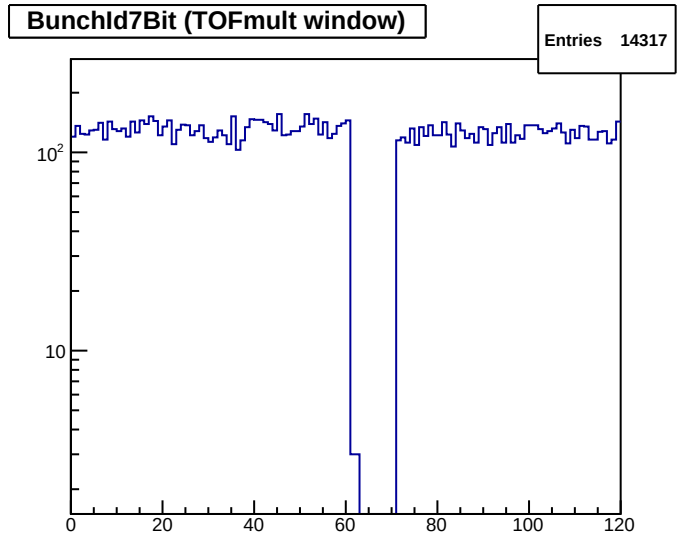

BunchId7Bit (VPD-TAC)
Entries 212347
10^3
10^2
10
0 20 40 60 80 100 120

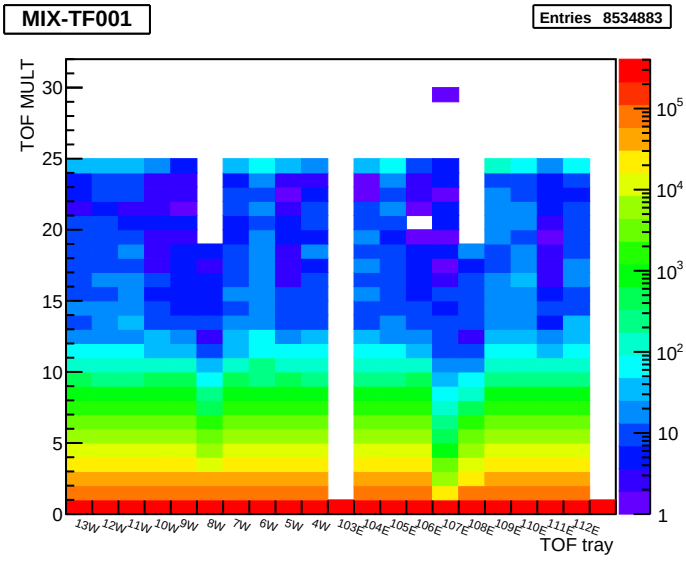

BunchId7Bit (ZDC-TAC)
Entries 930
10
0 20 40 60 80 100 120

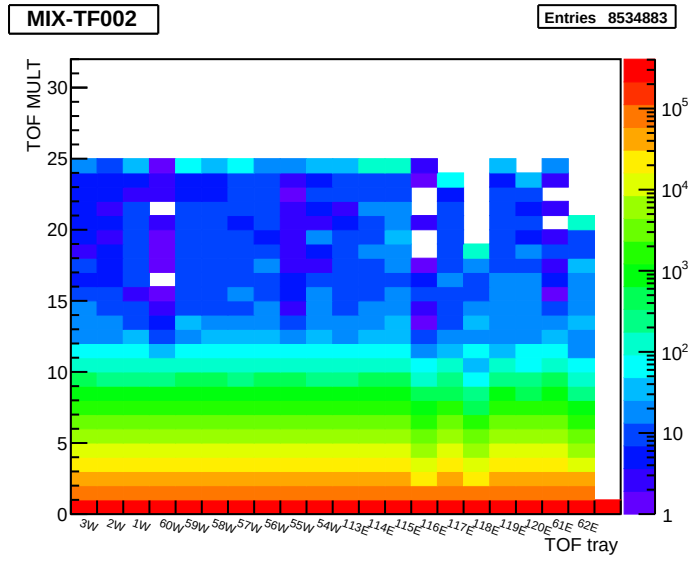

BunchId7Bit (EPD-TAC)
Entries 311930
10^3
10^2
10
0 20 40 60 80 100 120

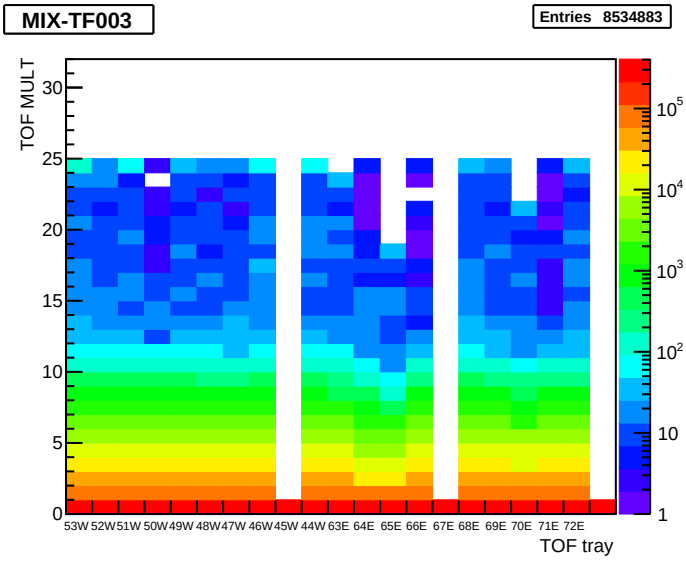

BunchId7Bit (BBC-TAC)
Entries 153115
10^3
10^2
10
1
0 20 40 60 80 100 120

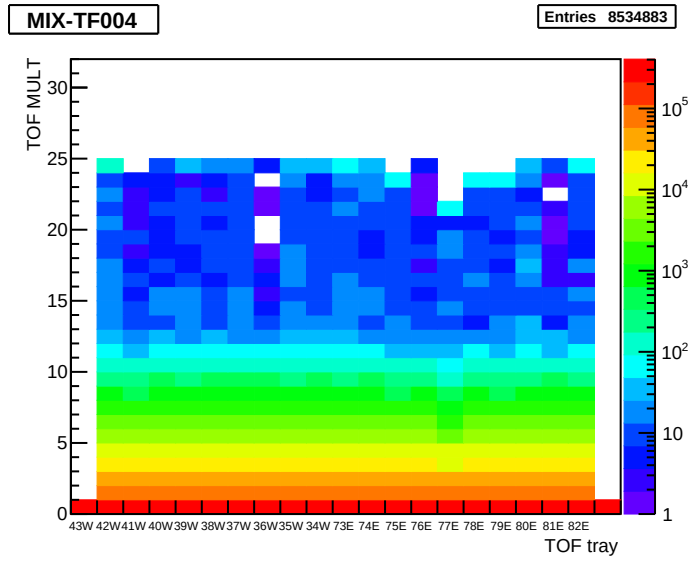

BunchId7Bit (Laser)
Entries 3136
0 20 40 60 80 100 120

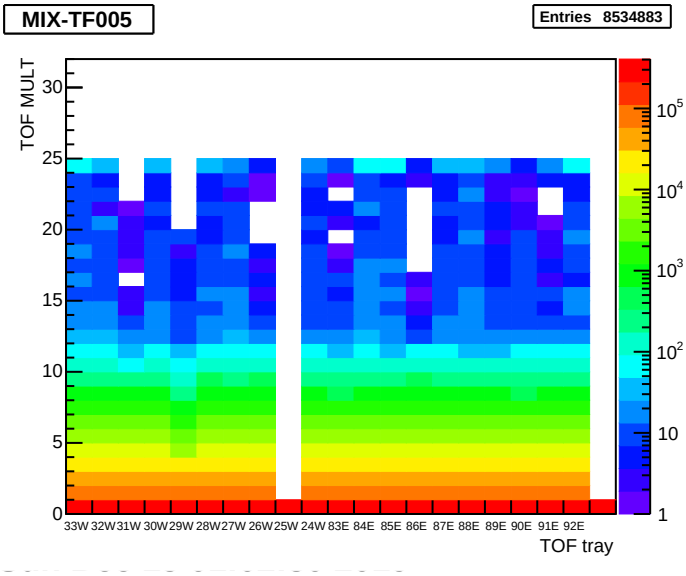

BunchId7Bit (TOFmult window)
Entries 14317
10^2
10
0 20 40 60 80 100 120

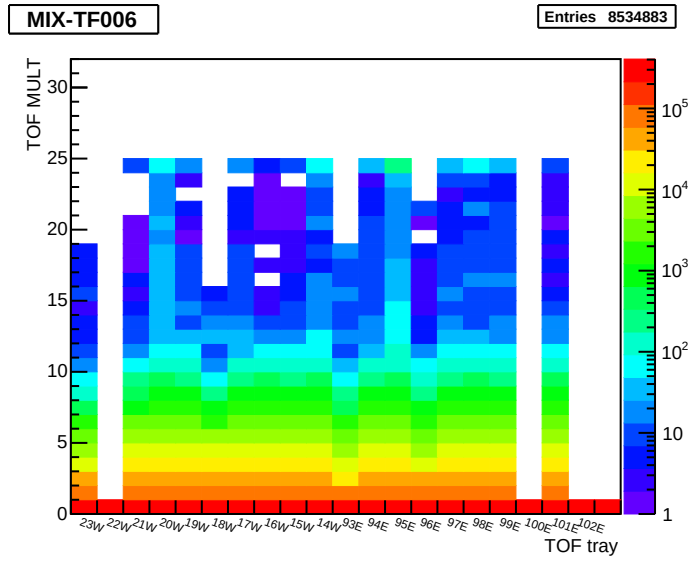

MIX-TF001
Entries 8534883
TOF MULT
TOF tray

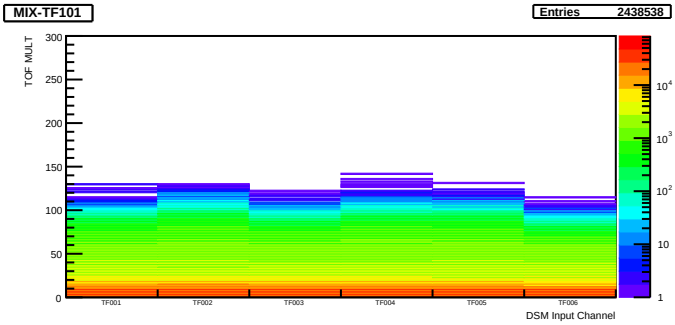

MIX-TF002
Entries 8534883
TOF MULT
TOF tray

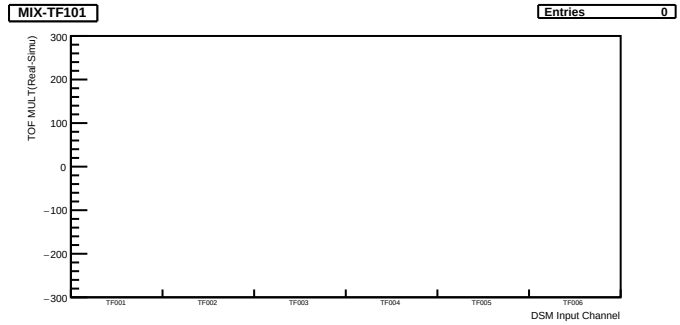

MIX-TF003
Entries 8534883
TOF MULT
TOF tray

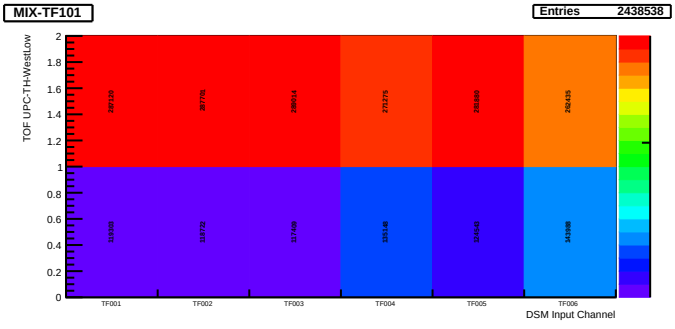

MIX-TF004
Entries 8534883
TOF MULT
TOF tray

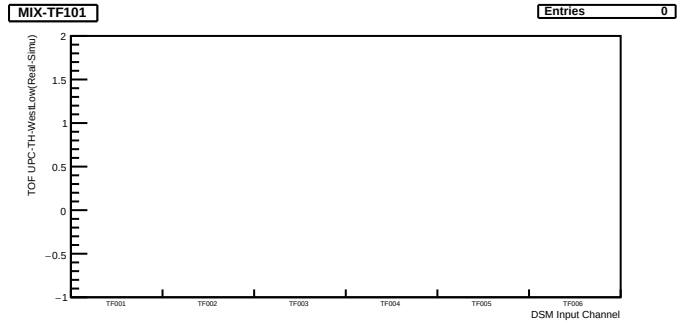

MIX-TF005
Entries 8534883
TOF MULT
TOF tray

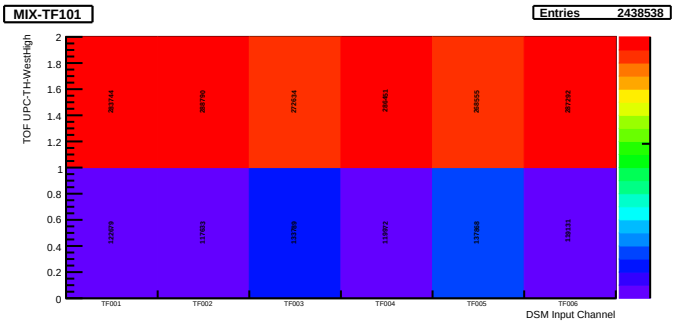

MIX-TF006
Entries 8534883
TOF MULT
TOF tray

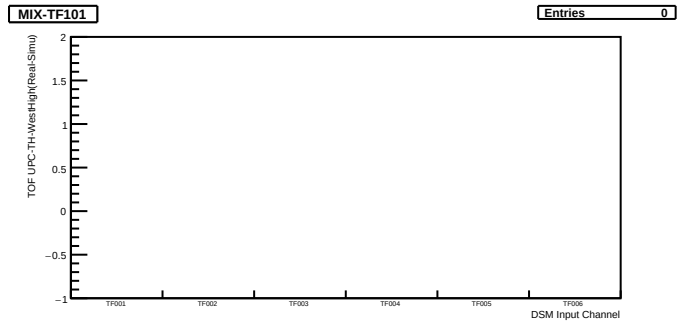

MIX-TF101
Entries 2438538
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

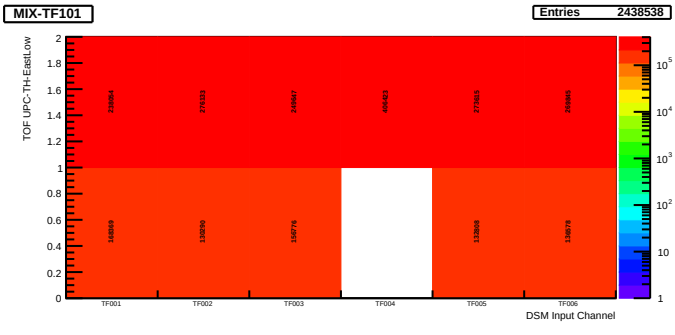

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

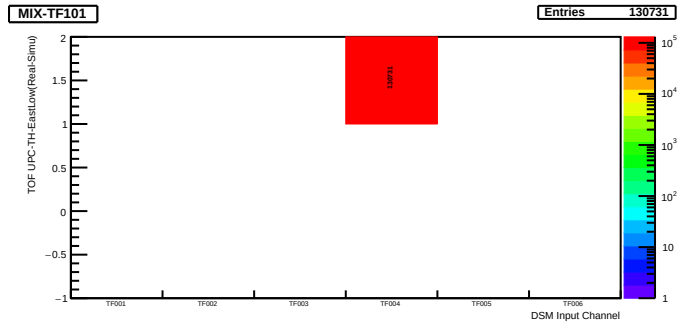

MIX-TF101
Entries 2438538
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

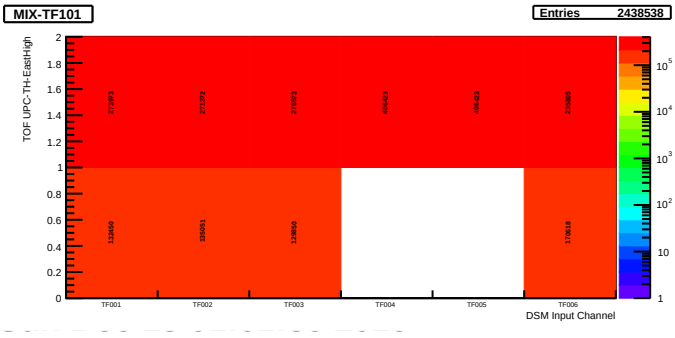

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

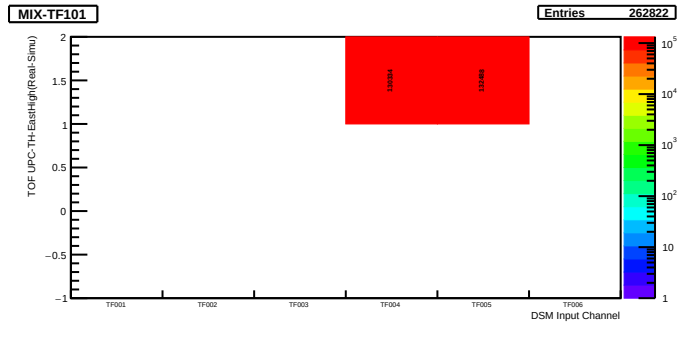

MIX-TF101
Entries 2438538
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

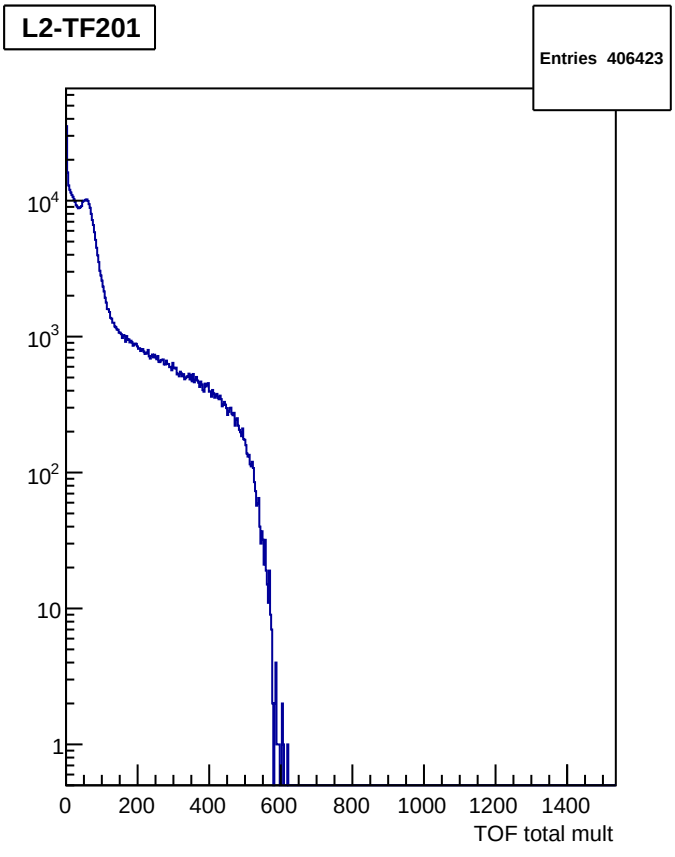

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

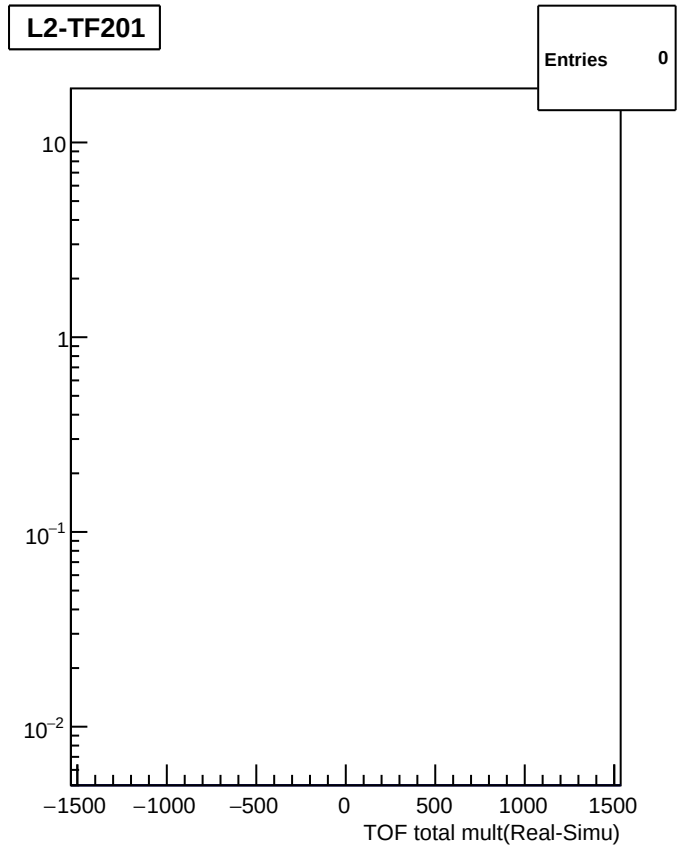

MIX-TF101
Entries 2438538
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

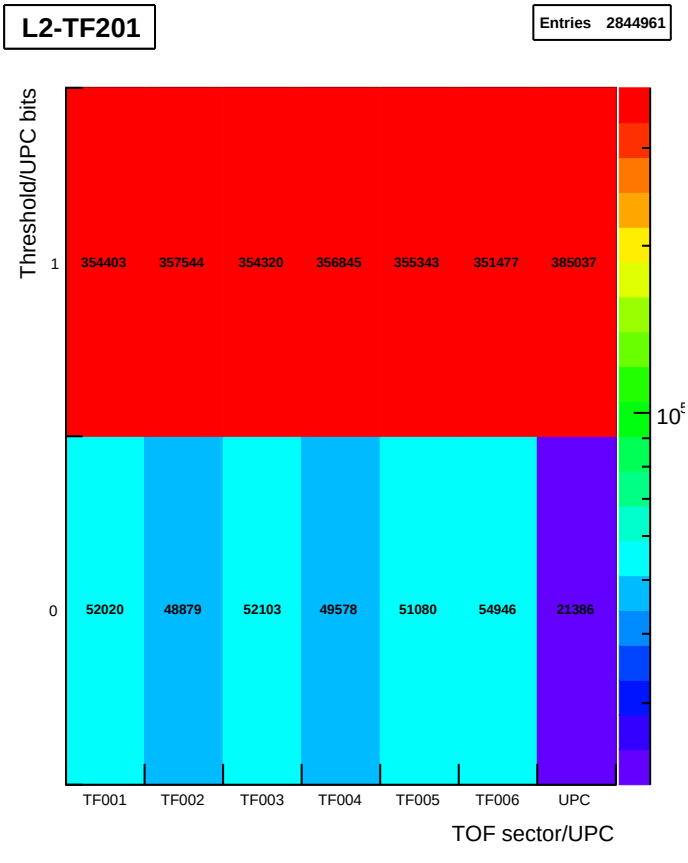

MIX-TF101
Entries 130731
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

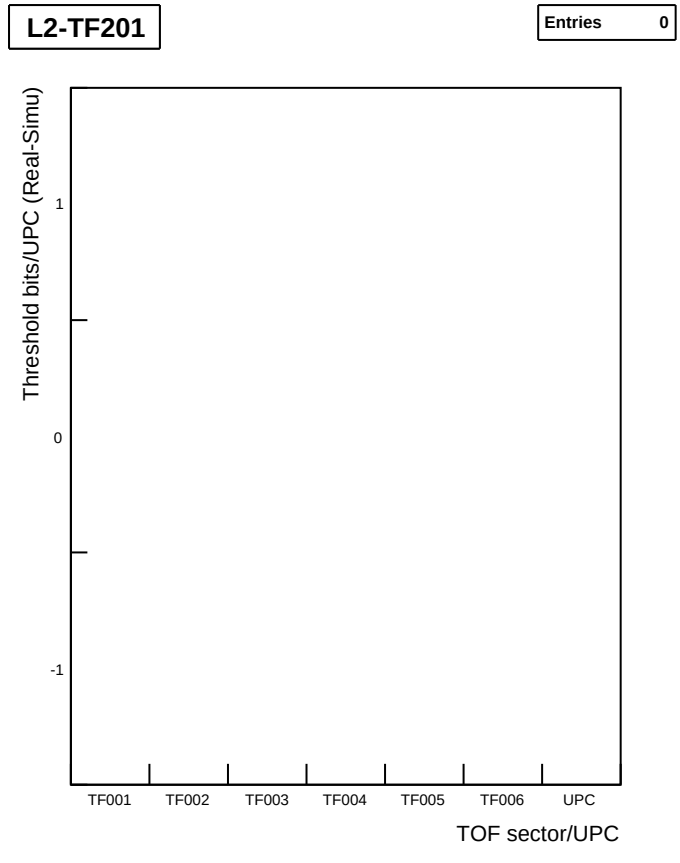

MIX-TF101
Entries 2438538
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

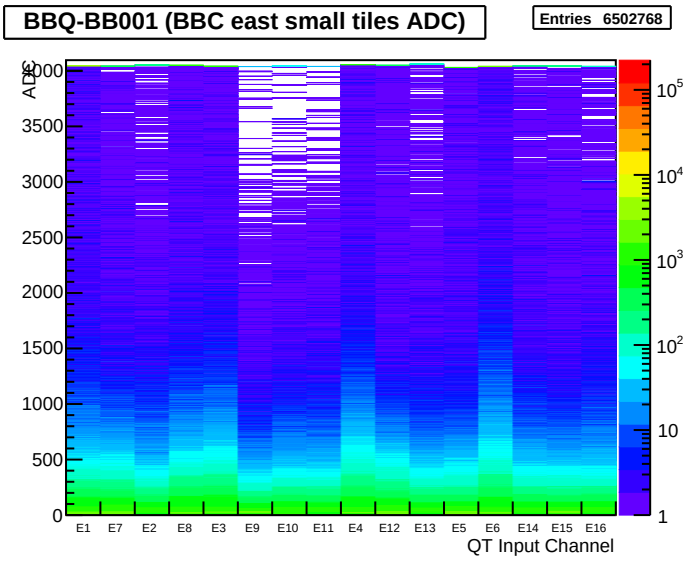

MIX-TF101
Entries 262822
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

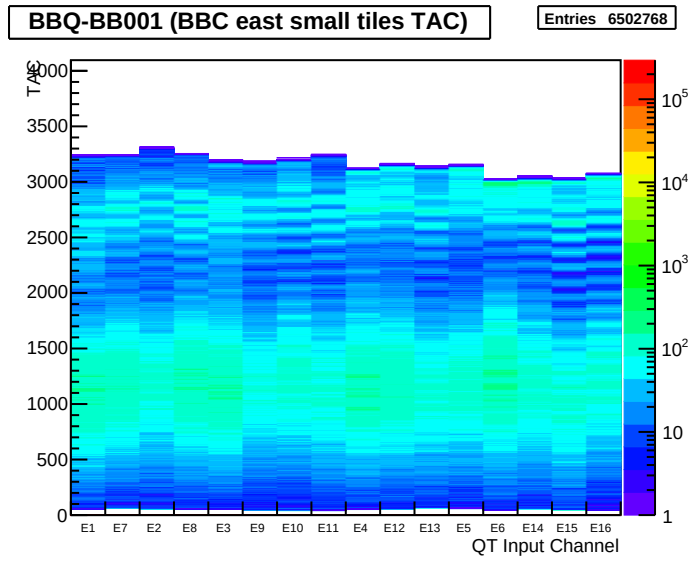

L2-TF201
Entries 406423
TOF total mult

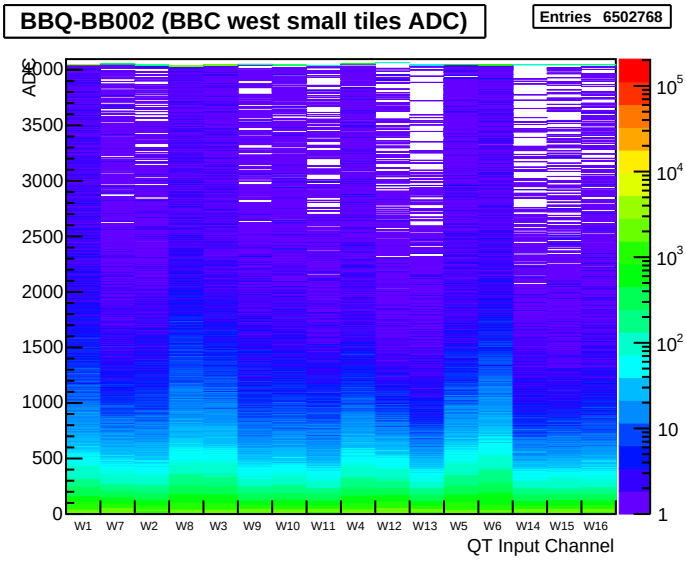

L2-TF201
Entries 0
TOF total mult(Real-Simu)

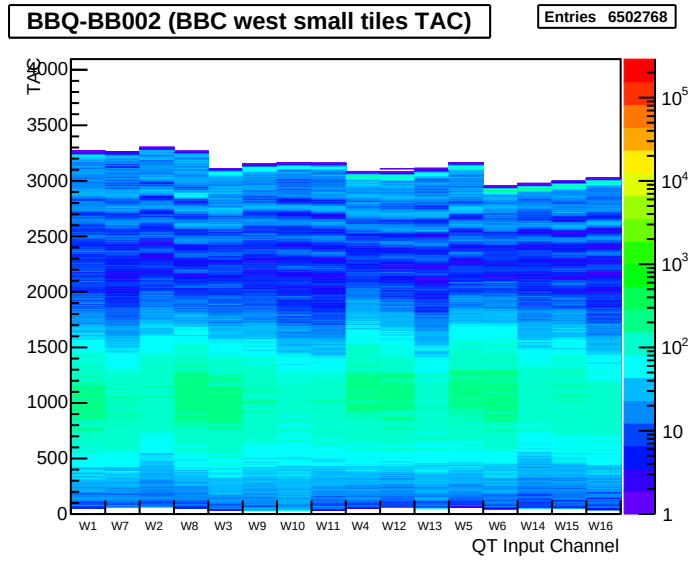

L2-TF201
Entries 2844961
Threshold/UPC bits
354403
357544
354320
356845
355343
351477
385037
52020
48879
52103
49578
51080
54946
21386
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

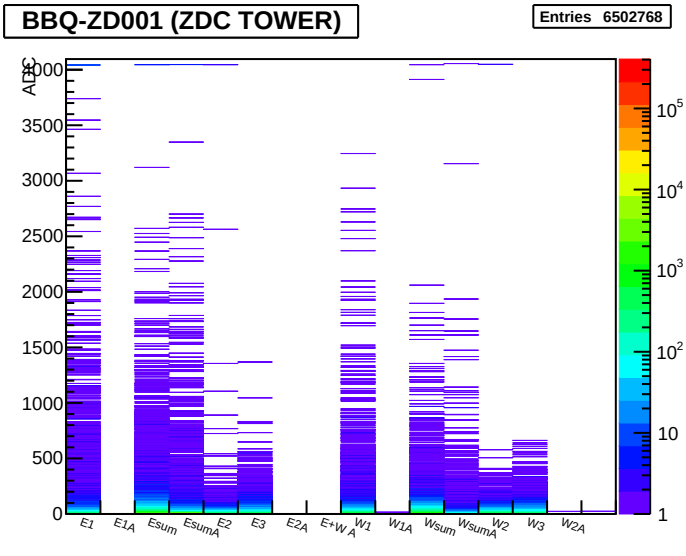

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

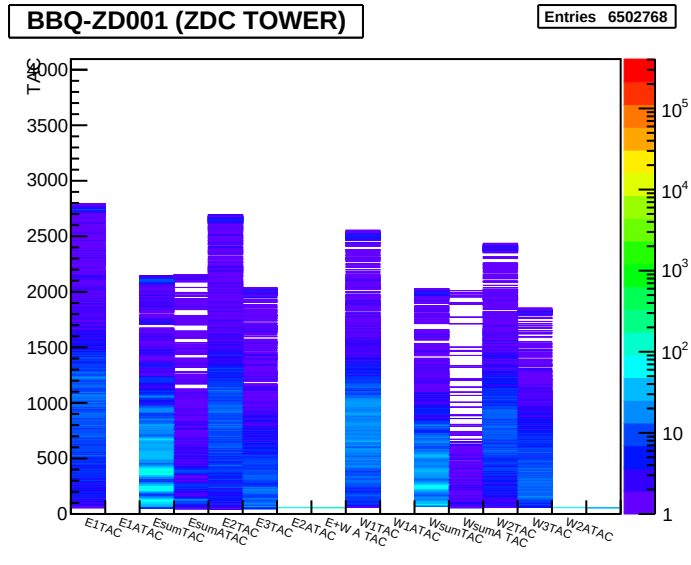

BBQ-BB001 (BBC east small tiles ADC)
Entries 6502768
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

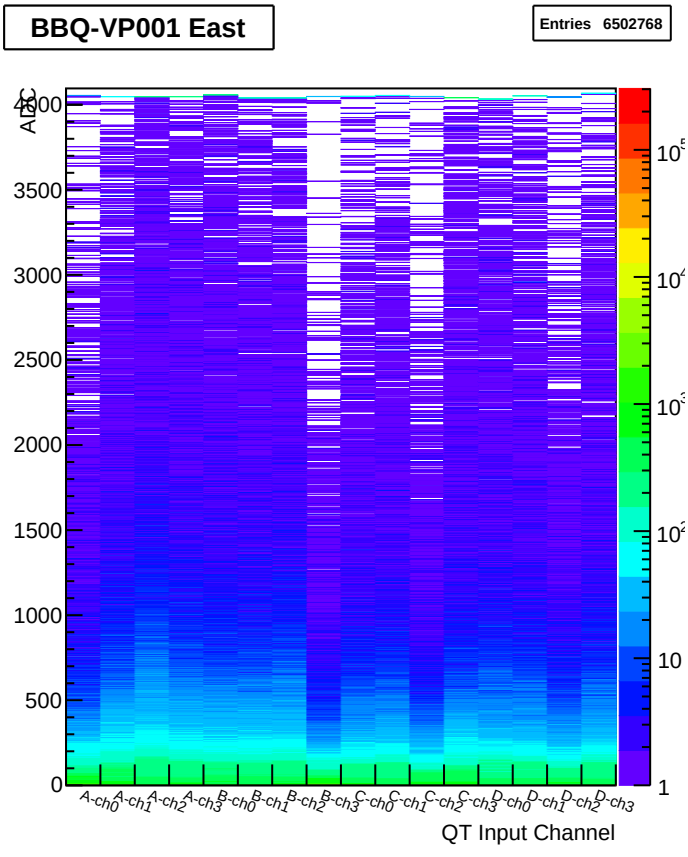

BBQ-BB001 (BBC east small tiles TAC)
Entries 6502768
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

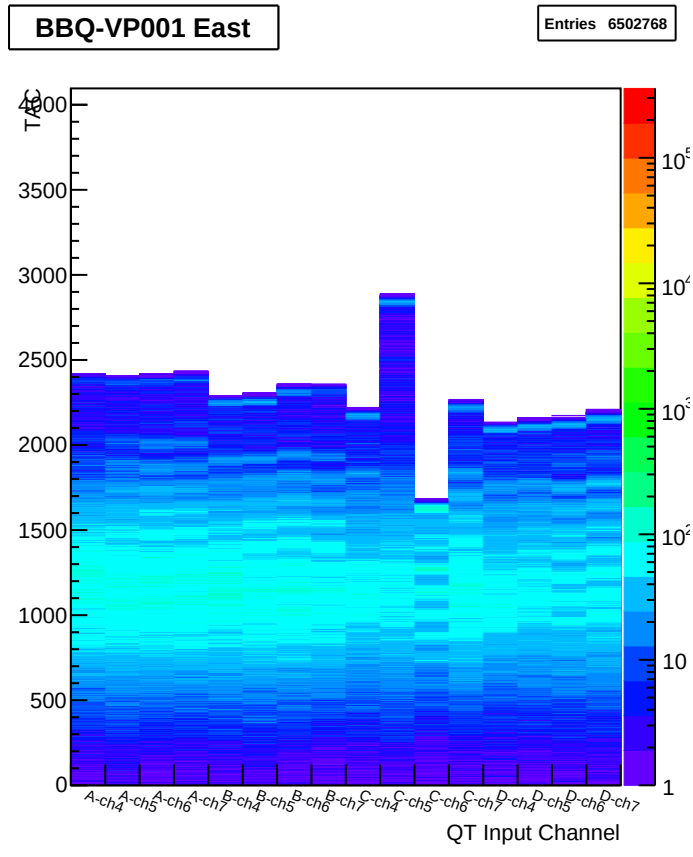

BBQ-BB002 (BBC west small tiles ADC)
Entries 6502768
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

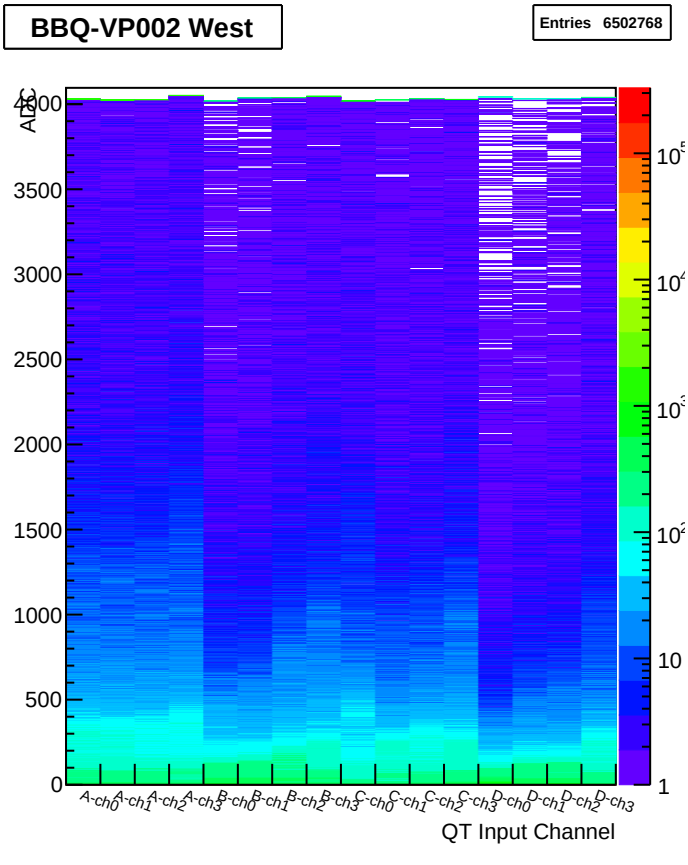

BBQ-BB002 (BBC west small tiles TAC)
Entries 6502768
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

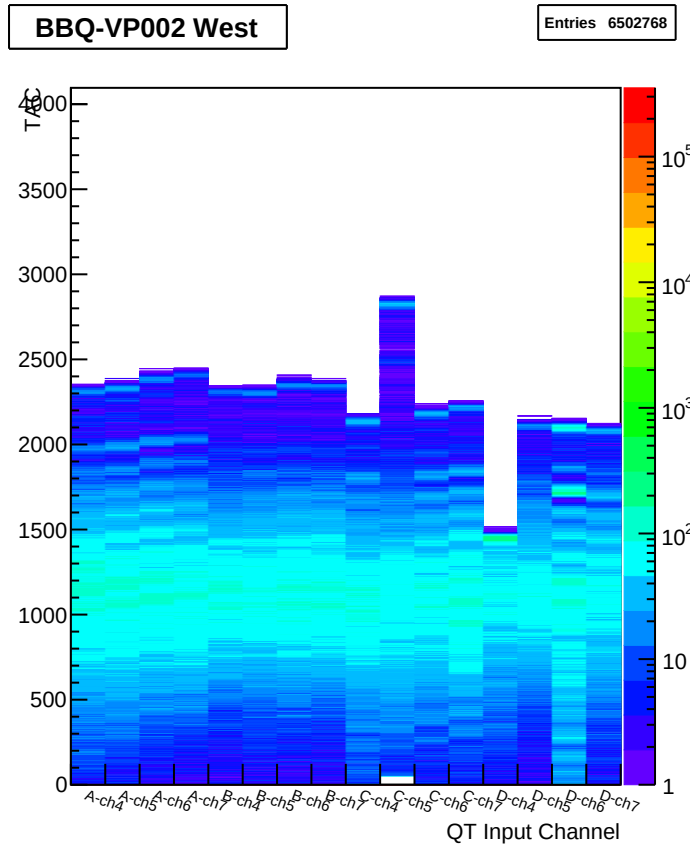

BBQ-ZD001 (ZDC TOWER)
Entries 6502768
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

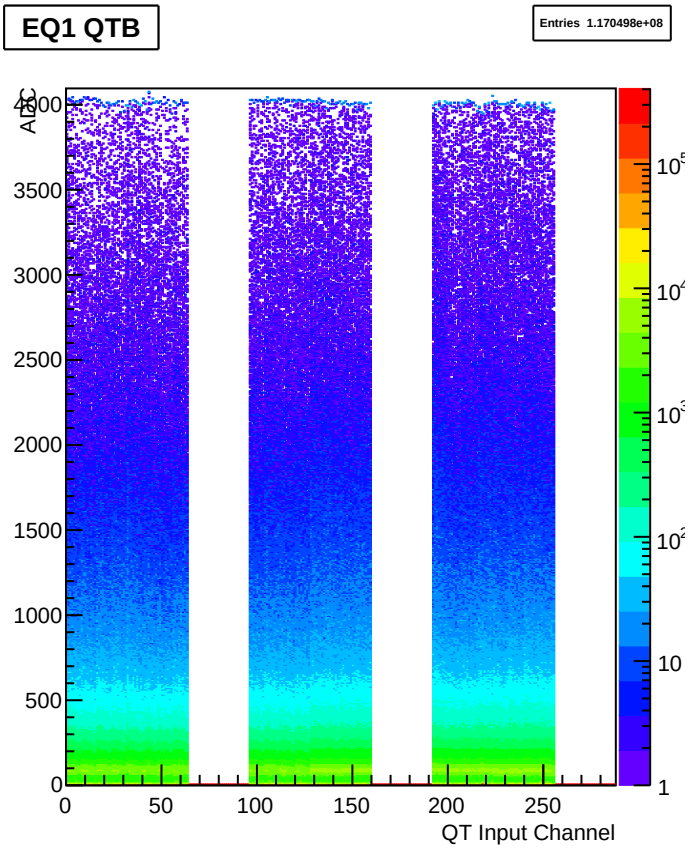

BBQ-ZD001 (ZDC TOWER)
Entries 6502768
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

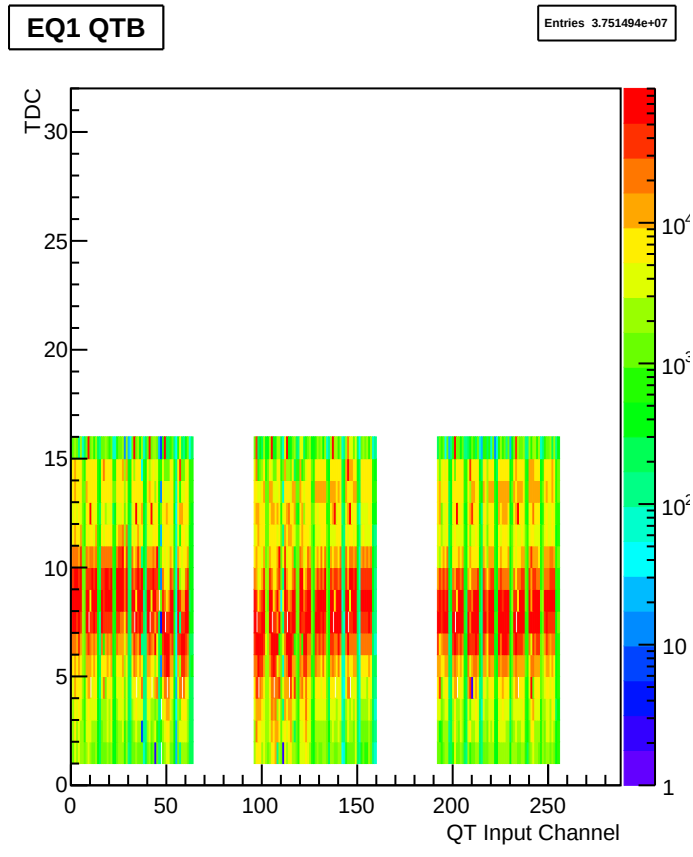

BBQ-VP001 East
Entries 6502768
ADC
QT Input Channel

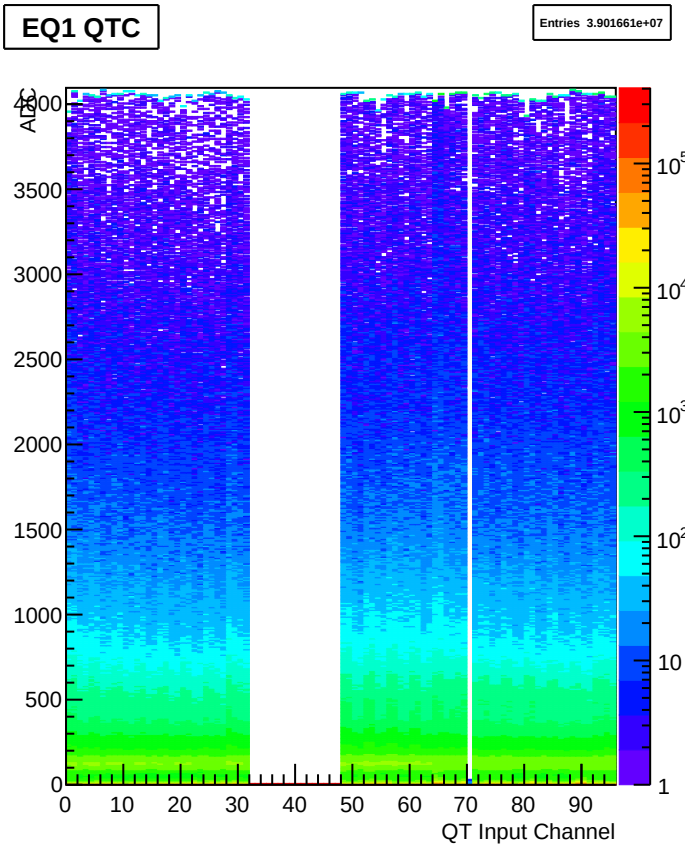

BBQ-VP001 East
Entries 6502768
TAC
QT Input Channel

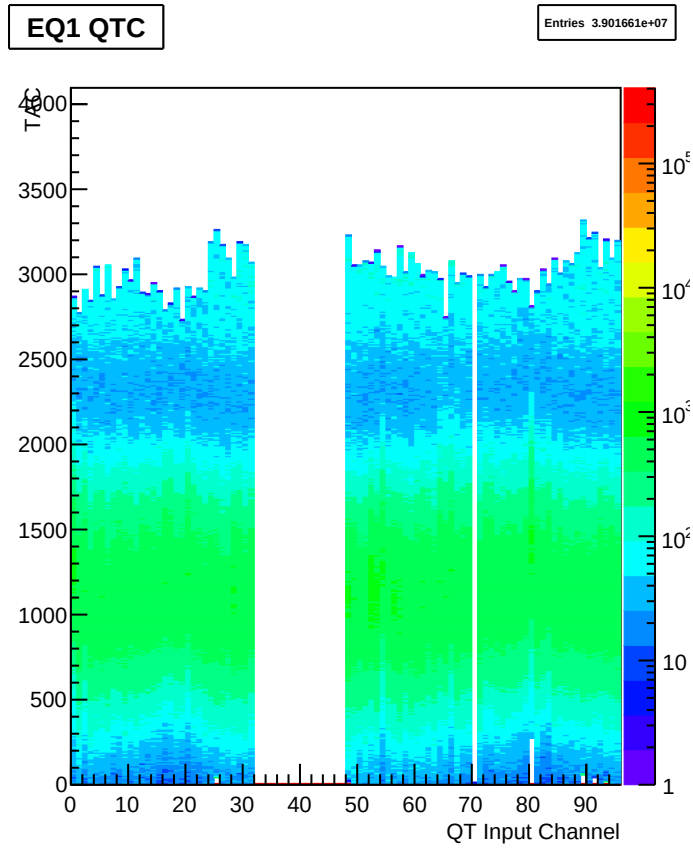

BBQ-VP002 West
Entries 6502768
ADC
QT Input Channel

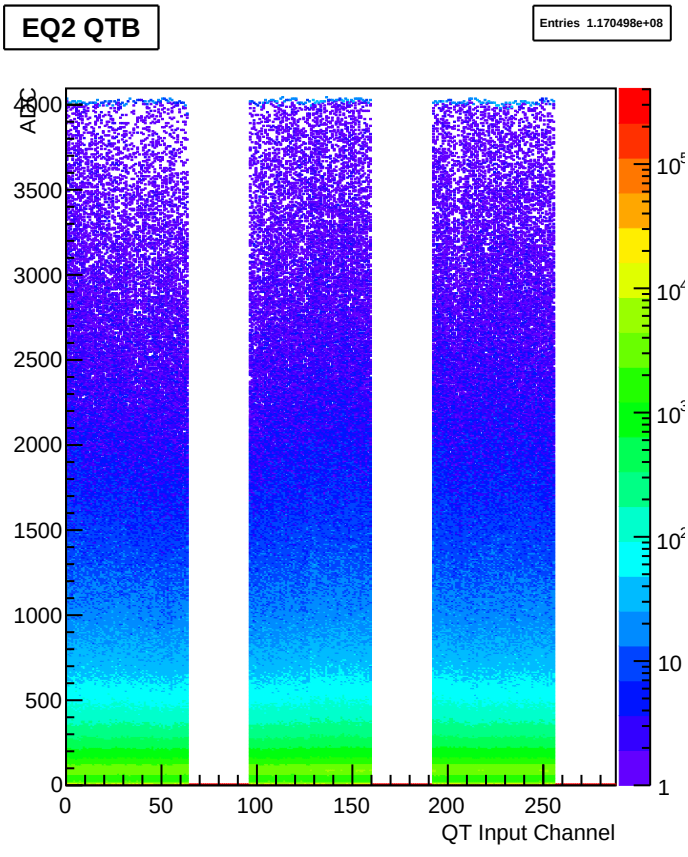

BBQ-VP002 West
Entries 6502768
TAC
QT Input Channel

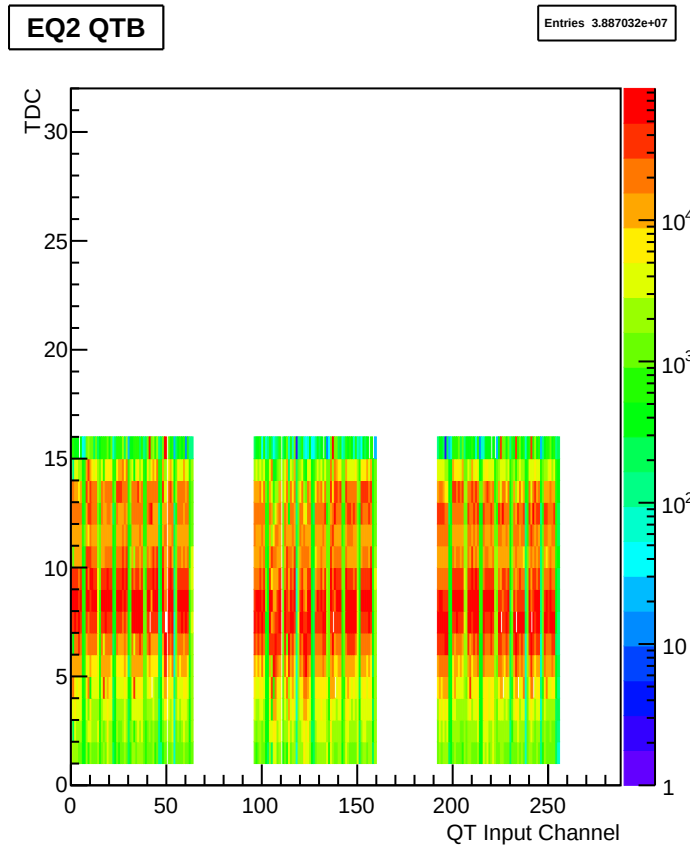

EQ1 QTB
Entries 1.170498e+08
ADC
QT Input Channel

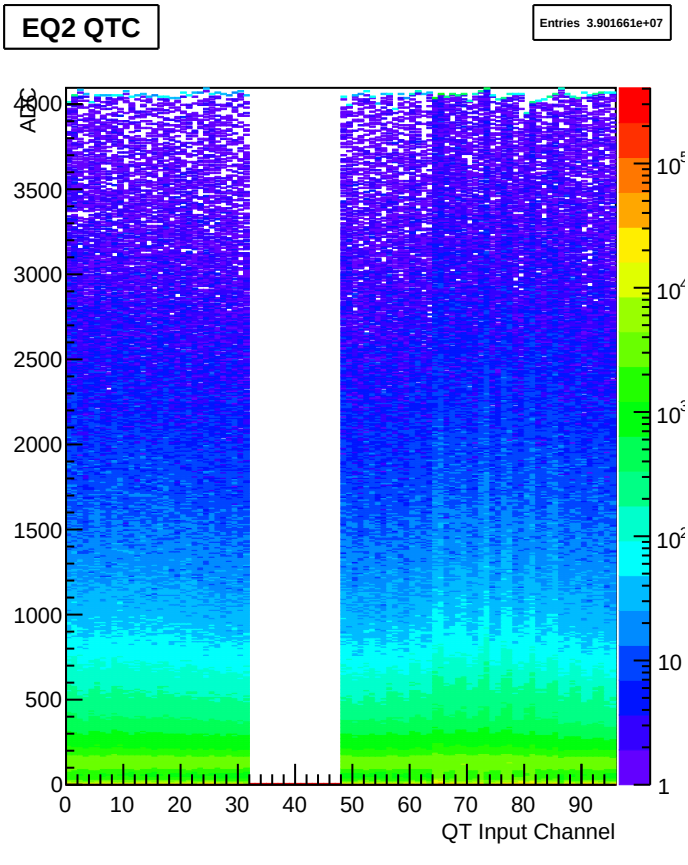

EQ1 QTB
Entries 3.751494e+07
TDC
QT Input Channel

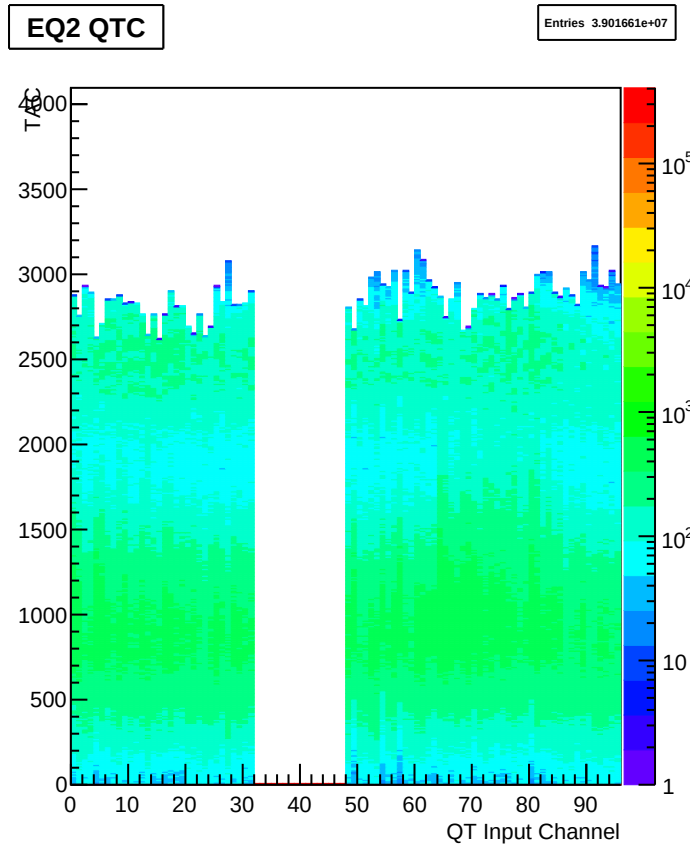

EQ1 QTC
Entries 3.901661e+07
ADC
QT Input Channel

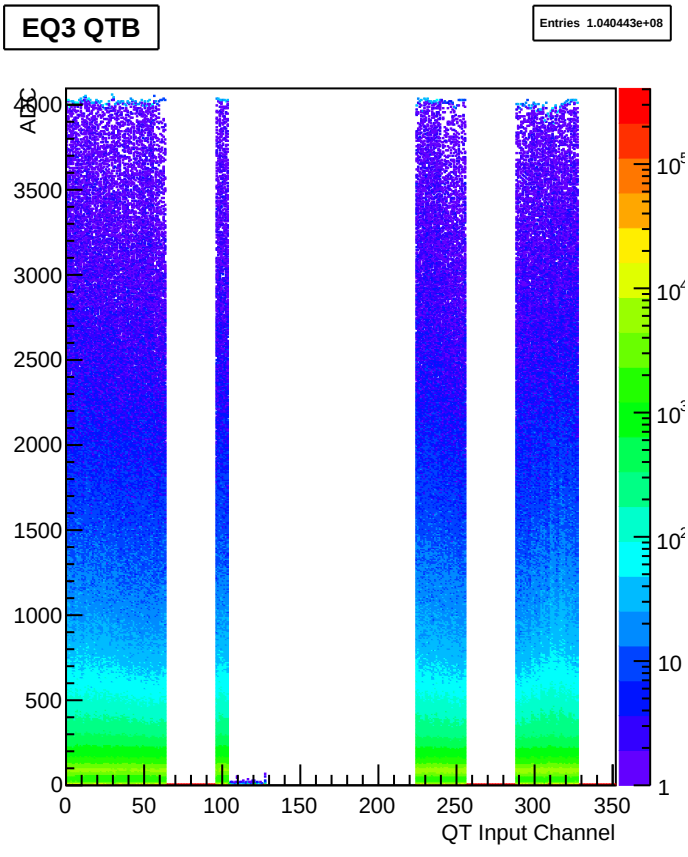

EQ1 QTC
Entries 3.901661e+07
TADC
QT Input Channel

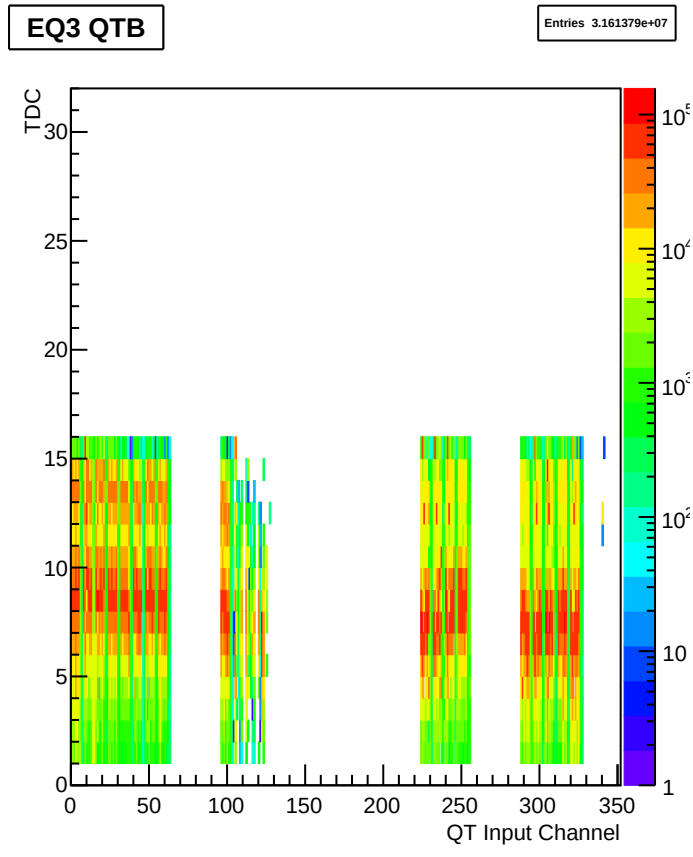

EQ2 QTB
Entries 1.170498e+08
ADC
QT Input Channel

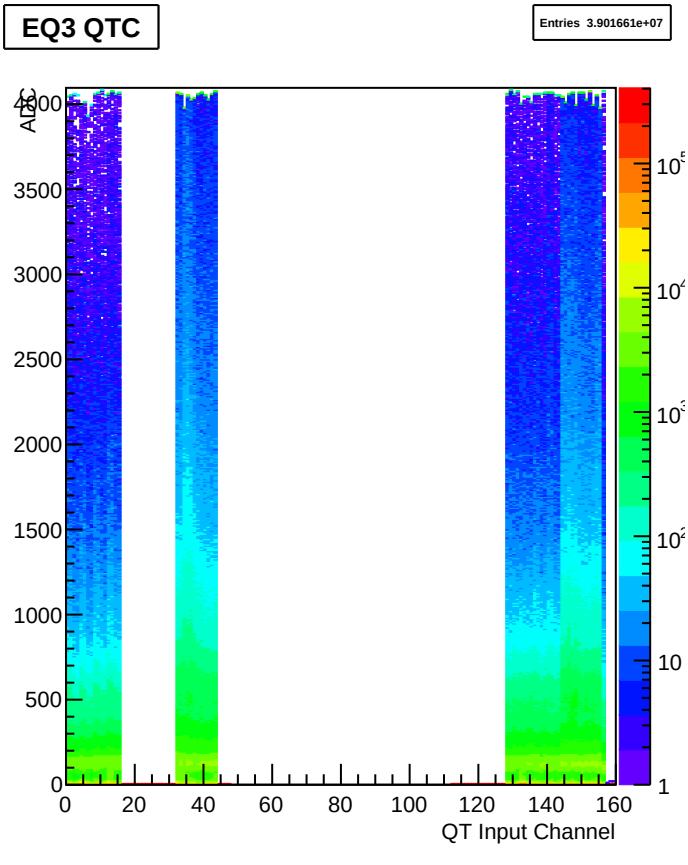

EQ2 QTB
Entries 3.887032e+07
TDC
QT Input Channel

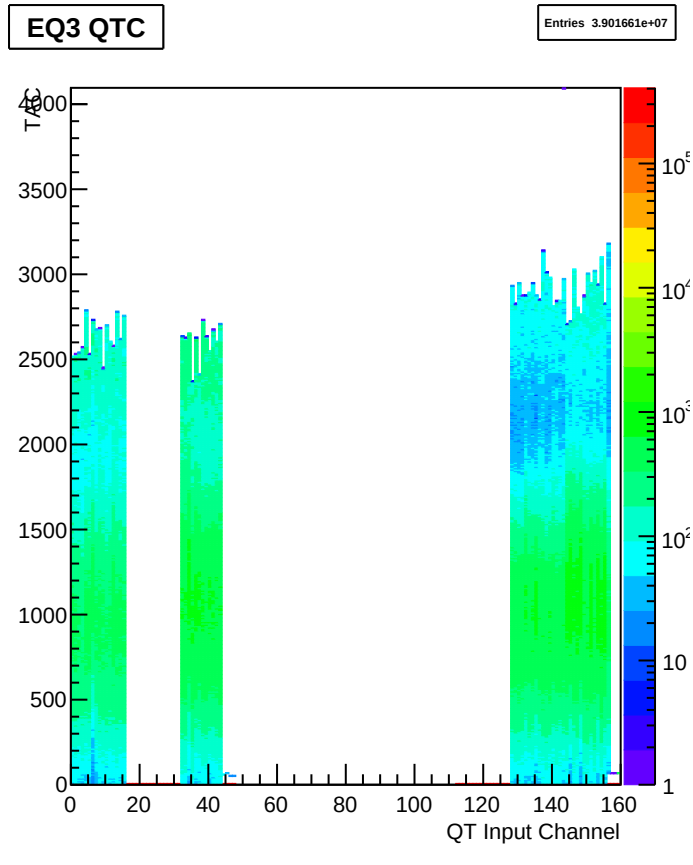

EQ2 QTC
Entries 3.901661e+07
ADC
QT Input Channel

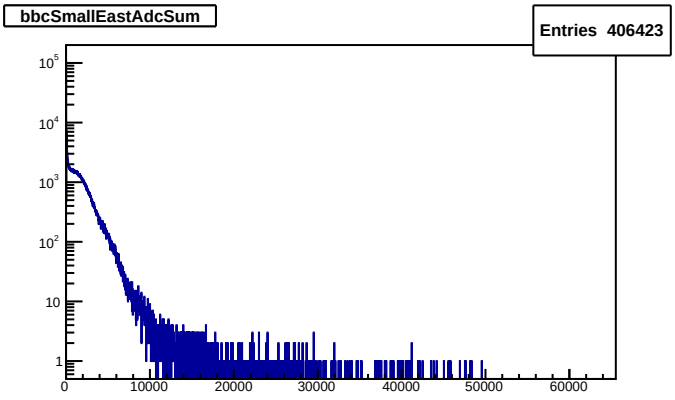

EQ2 QTC
Entries 3.901661e+07
TADC
QT Input Channel

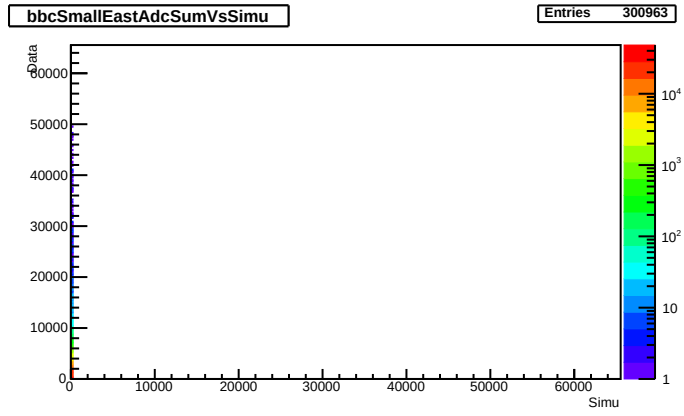

EQ3 QTB
Entries 1.040443e+08
ADC
QT Input Channel

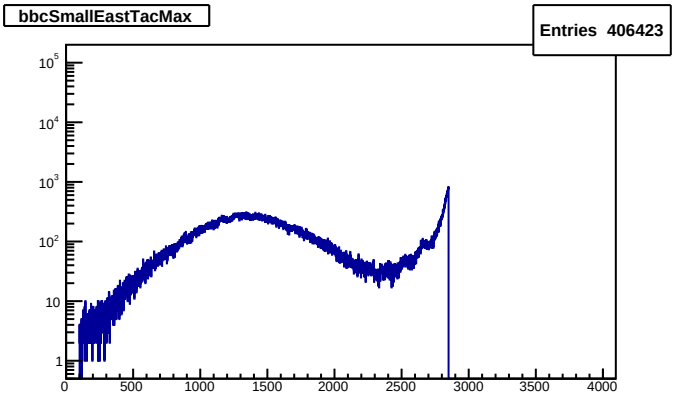

EQ3 QTB
Entries 3.161379e+07
TDC
QT Input Channel

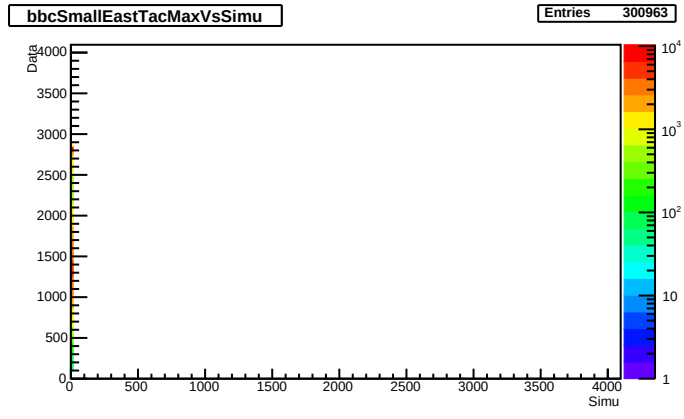

EQ3 QTC
Entries 3.901661e+07
ADC
QT Input Channel

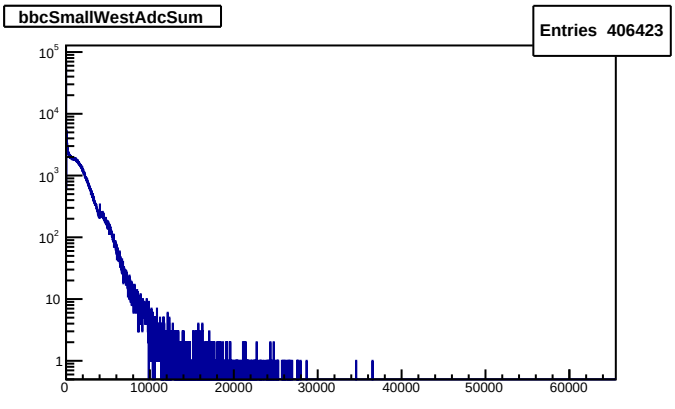

EQ3 QTC
Entries 3.901661e+07
TADC
QT Input Channel

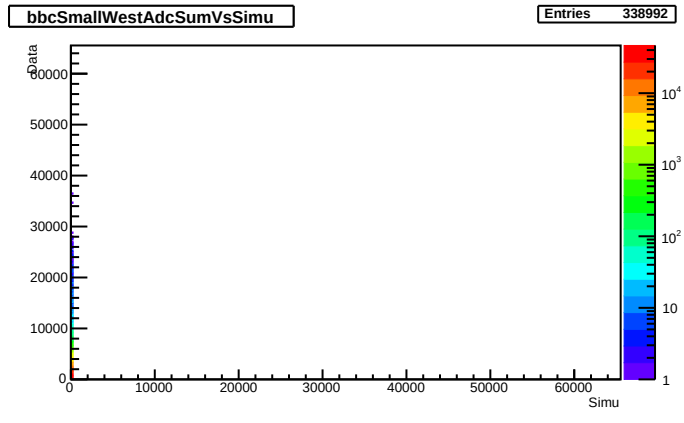

bbcSmallEastAdcSum
Entries 406423

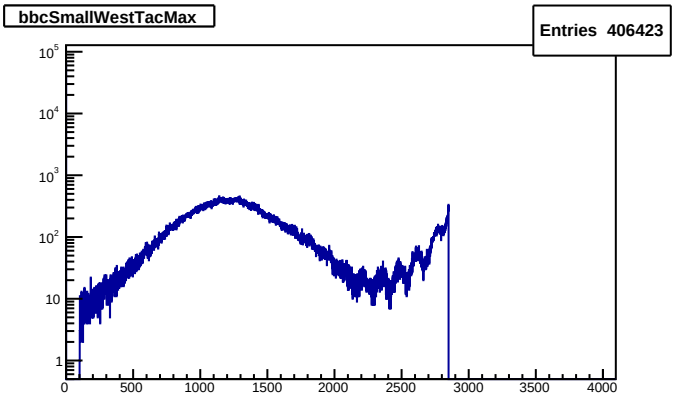

bbcSmallEastAdcSumVsSimu
Entries 300963
Data
Simu

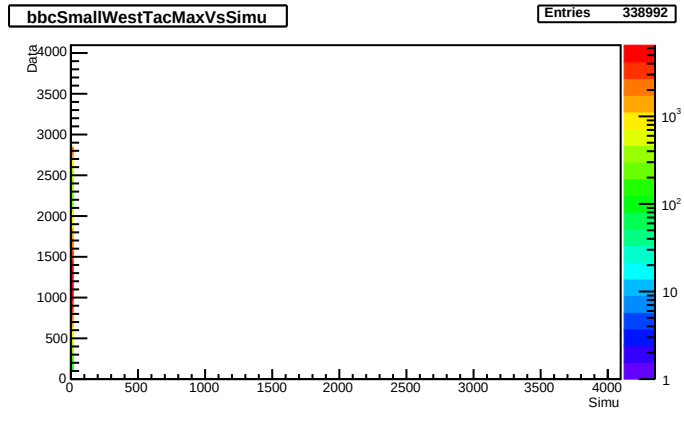

bbcSmallEastTacMax
Entries 406423

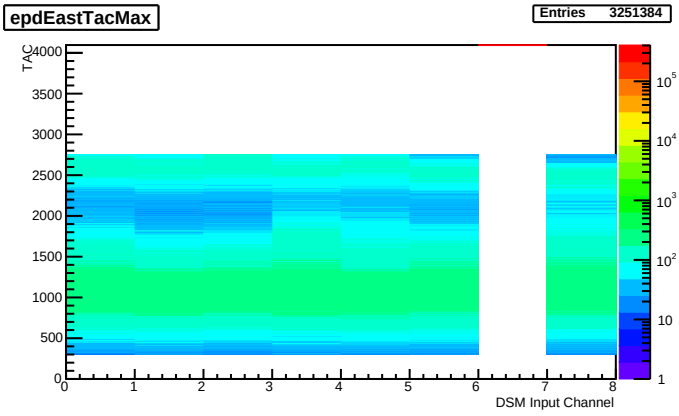

bbcSmallEastTacMaxVsSimu
Entries 300963
Data
Simu

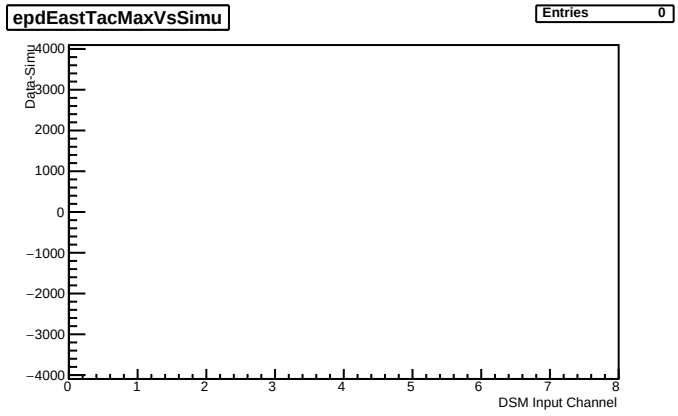

bbcSmallWestAdcSum
Entries 406423

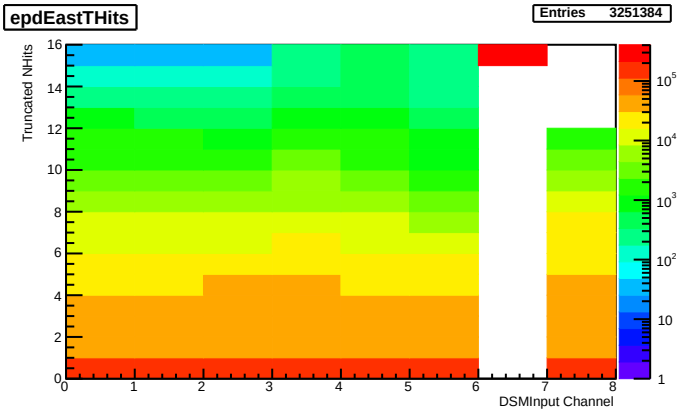

bbcSmallWestAdcSumVsSimu
Entries 338992
Data
Simu

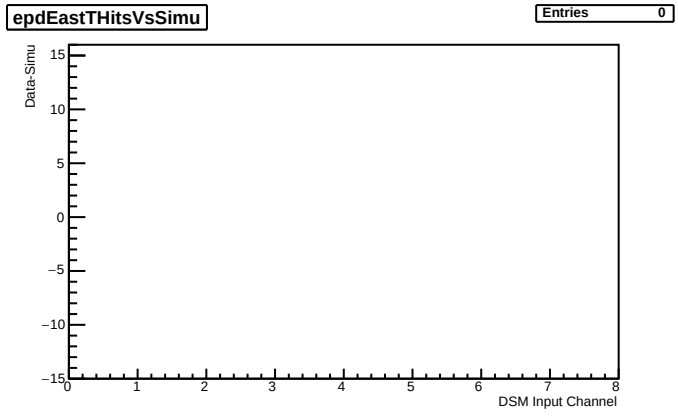

bbcSmallWestTacMax
Entries 406423

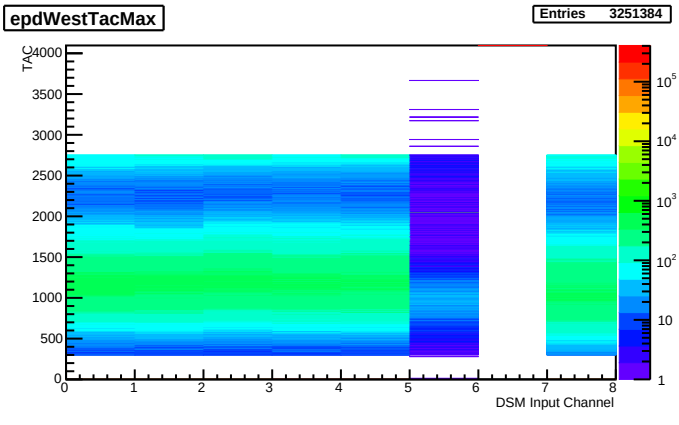

bbcSmallWestTacMaxVsSimu
Entries 338992
Data
Simu

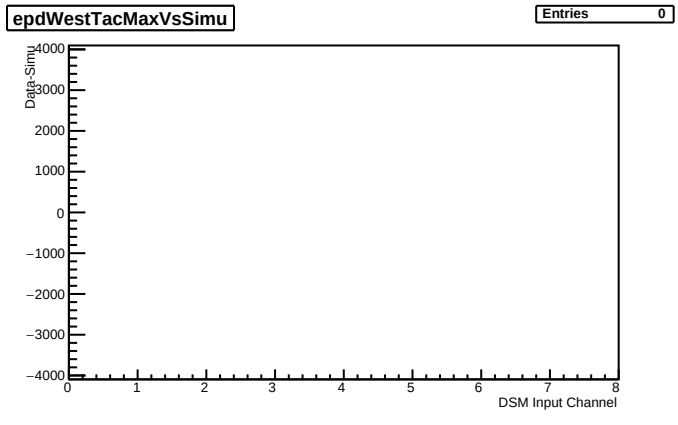

epdEastTacMax
Entries 3251384
TAC
DSM Input Channel

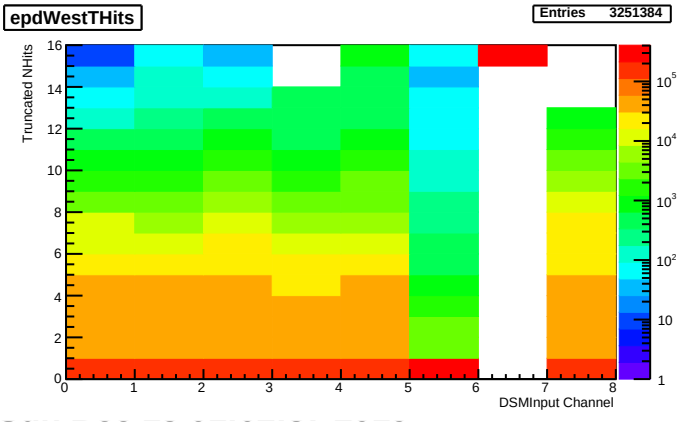

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

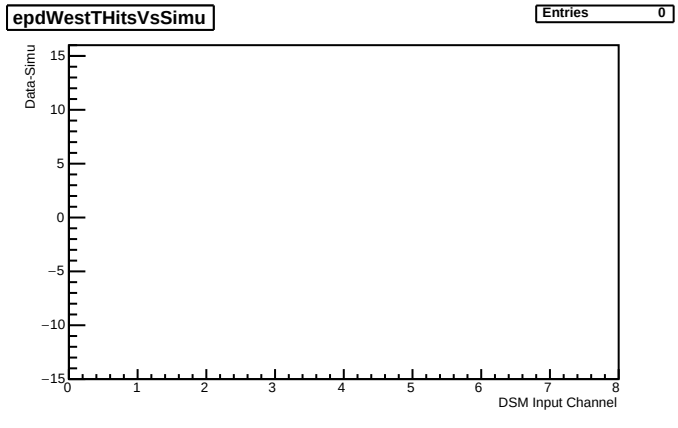

epdEastTHits
Entries 3251384
Truncated NHits
DSMInput Channel

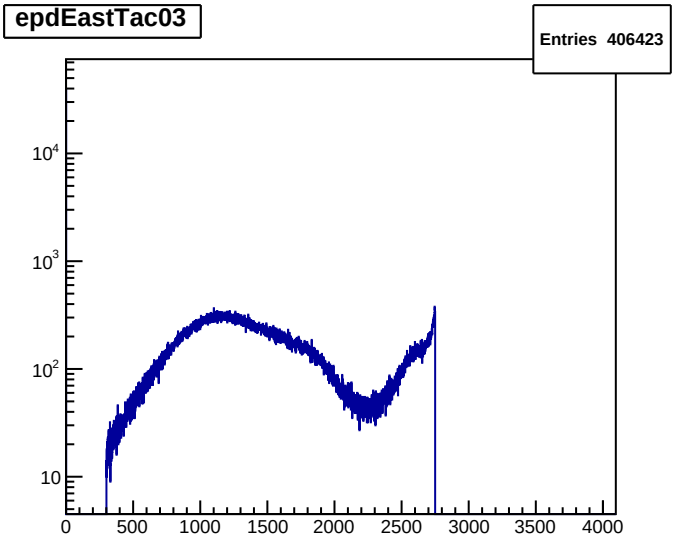

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

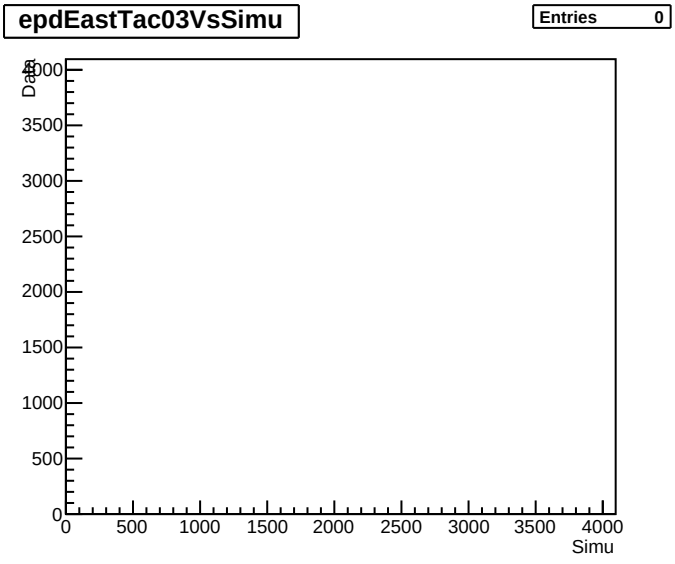

epdWestTacMax
Entries 3251384
TAC
DSM Input Channel

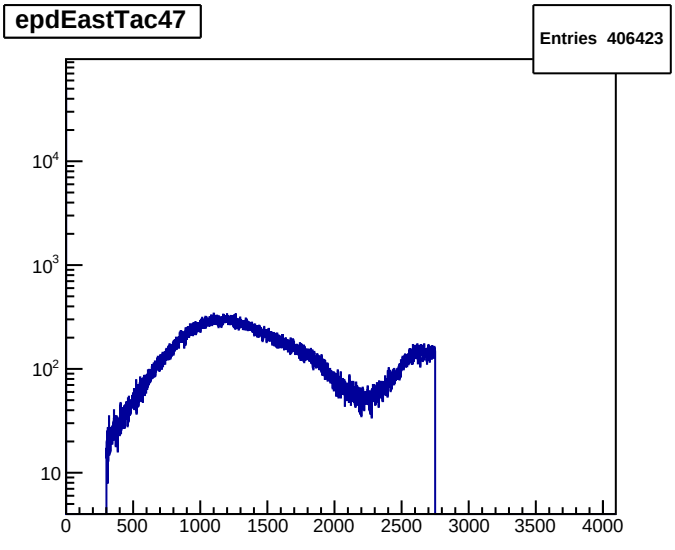

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

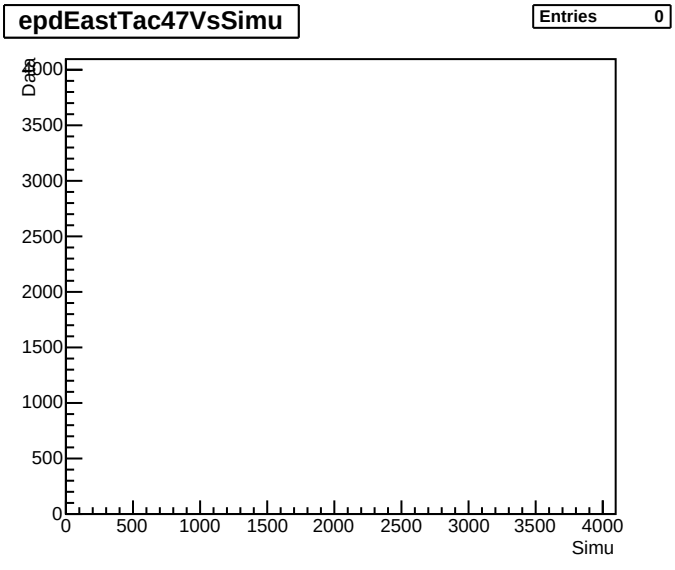

epdWestTHits
Entries 3251384
Truncated NHits
DSMInput Channel

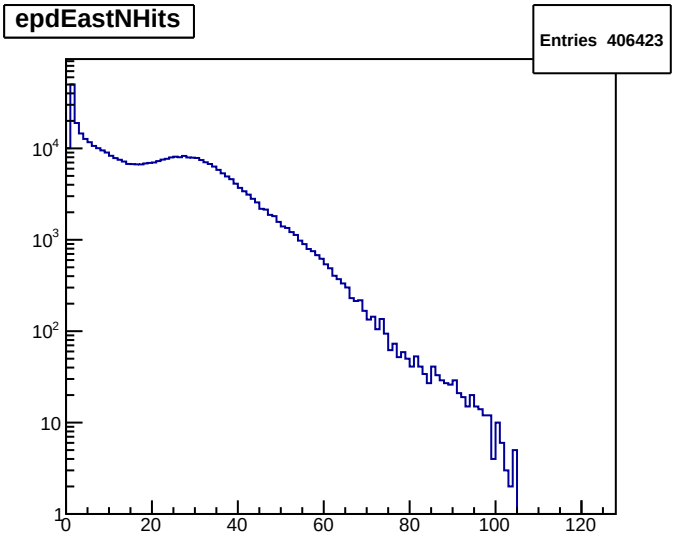

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

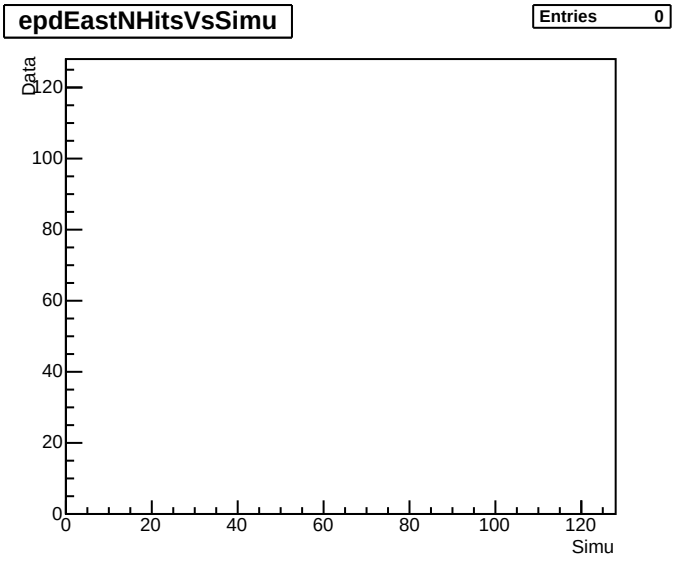

epdEastTac03
Entries 406423

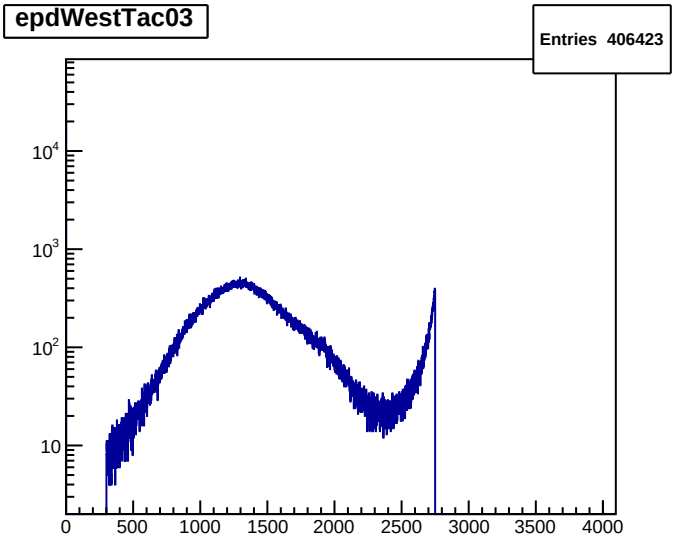

epdEastTac03VsSimu
Entries 0
Data
Simu

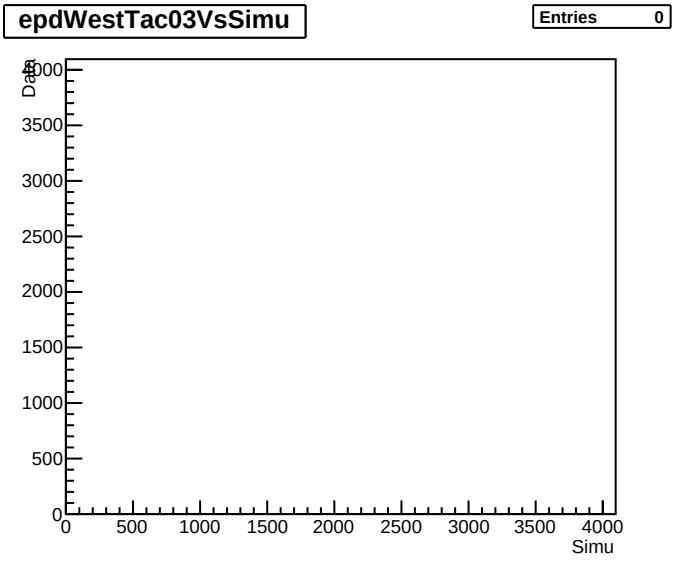

epdEastTac47
Entries 406423

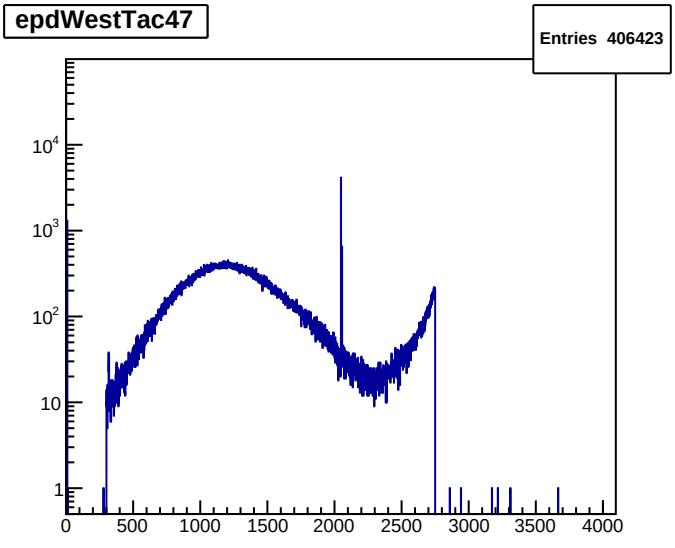

epdEastTac47VsSimu
Entries 0
Data
Simu

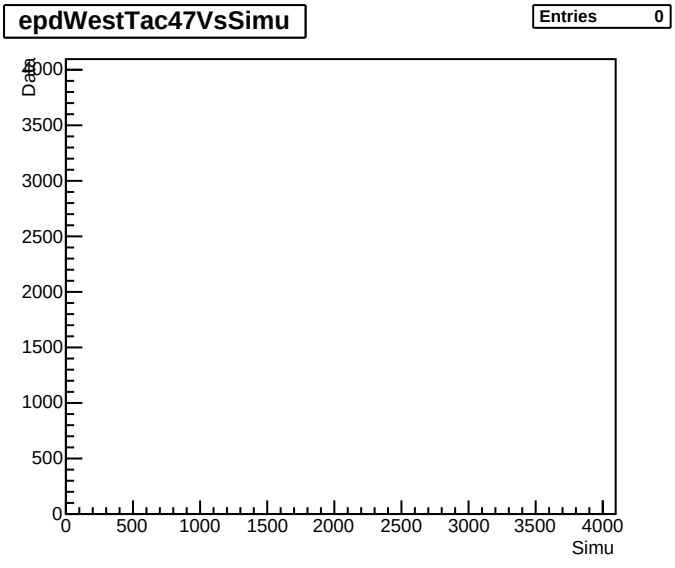

epdEastNHits
Entries 406423

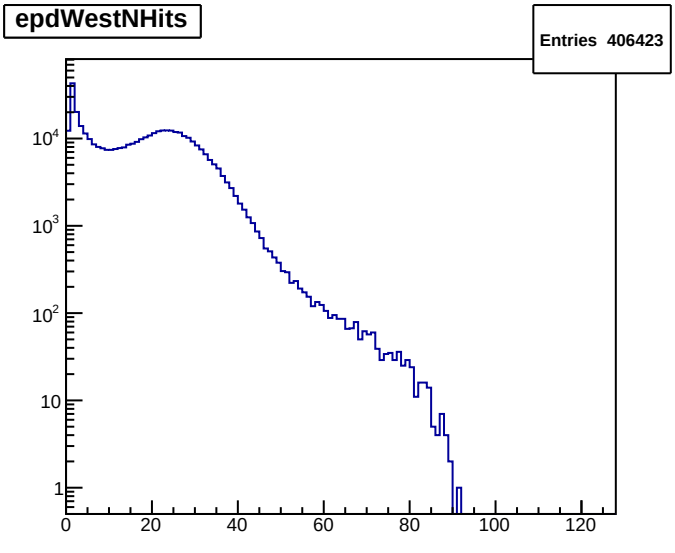

epdEastNHitsVsSimu
Entries 0
Data
Simu

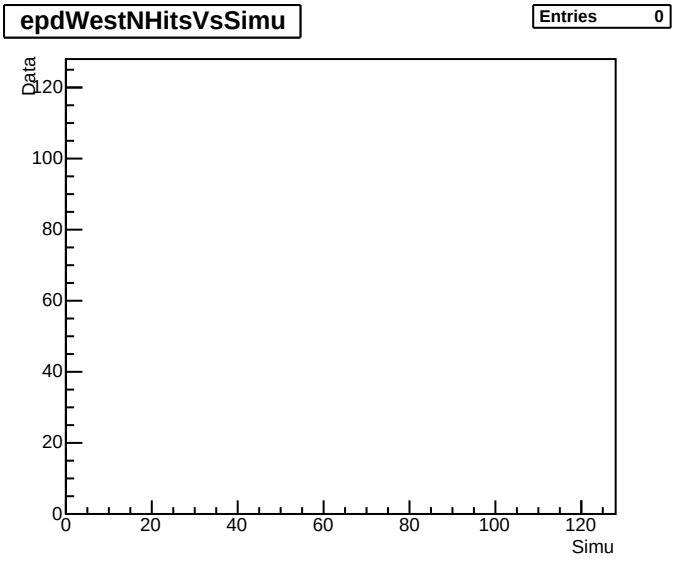

epdWestTac03
Entries 406423
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

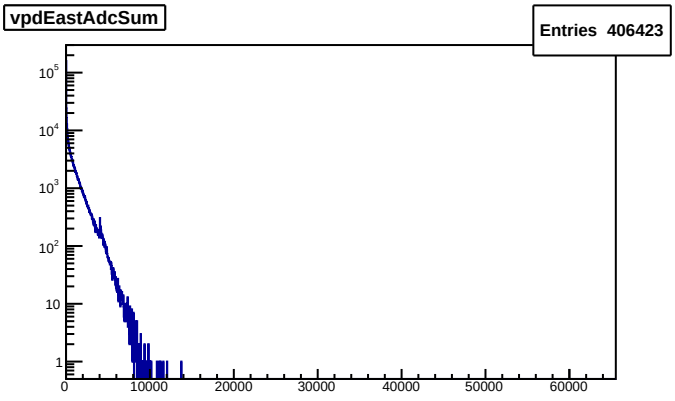

epdWestTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

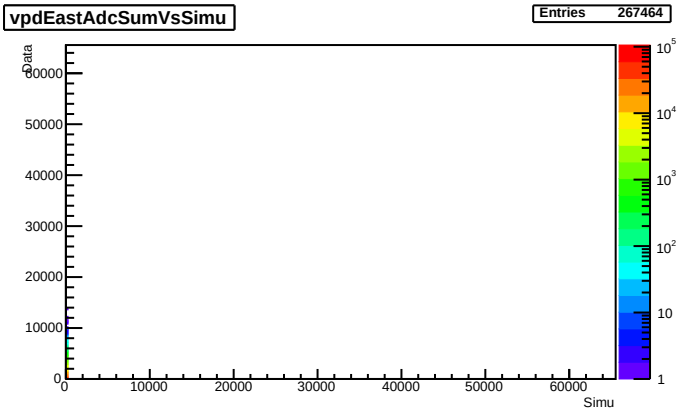

epdWestTac47
Entries 406423
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

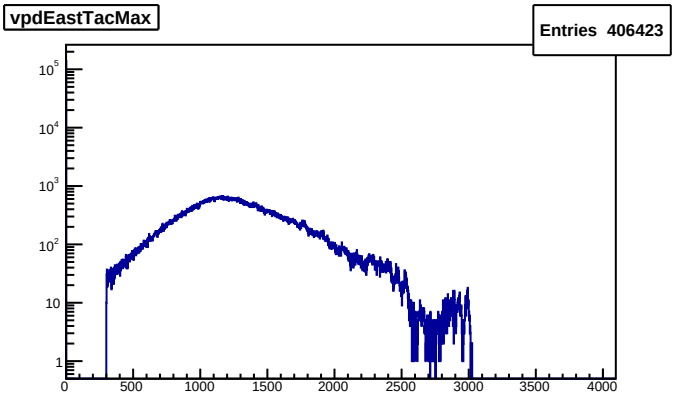

epdWestTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

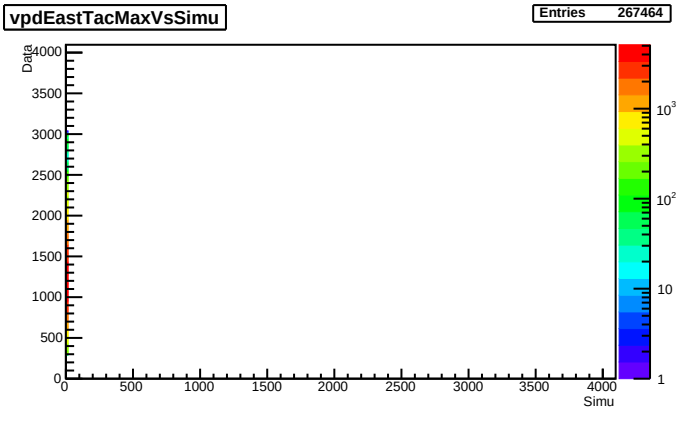

epdWestNHits
Entries 406423
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

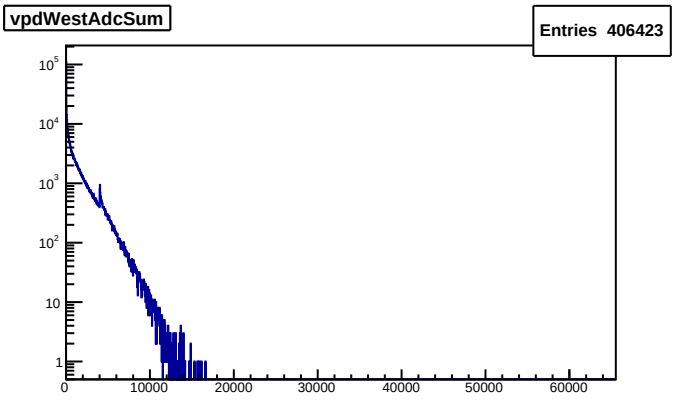

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

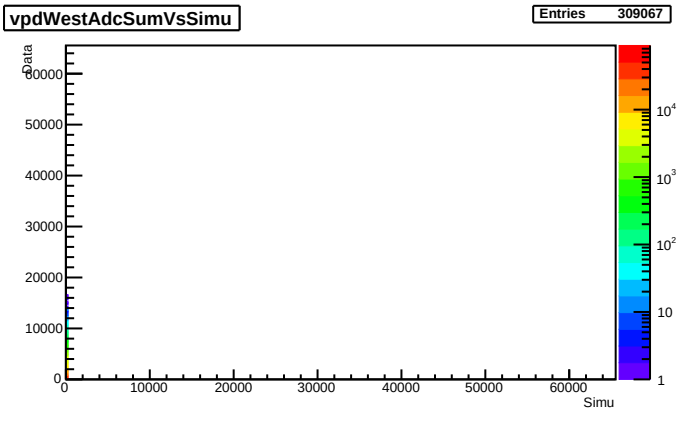

vpdEastAdcSum
Entries 406423

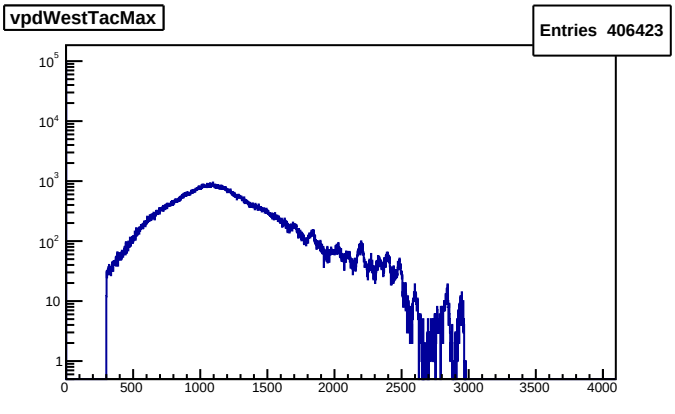

vpdEastAdcSumVsSimu
Entries 267464
Data
Simu

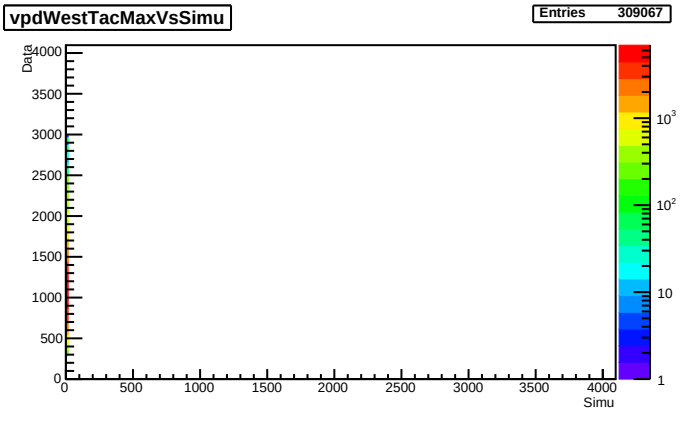

vpdEastTacMax
Entries 406423

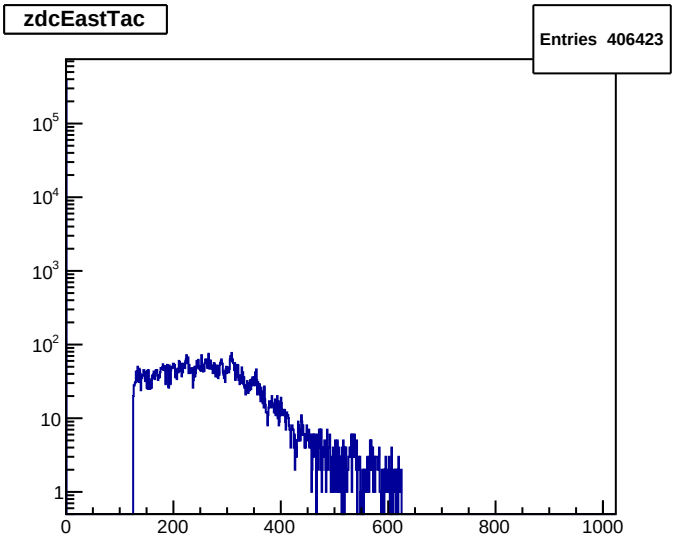

vpdEastTacMaxVsSimu
Entries 267464
Data
Simu

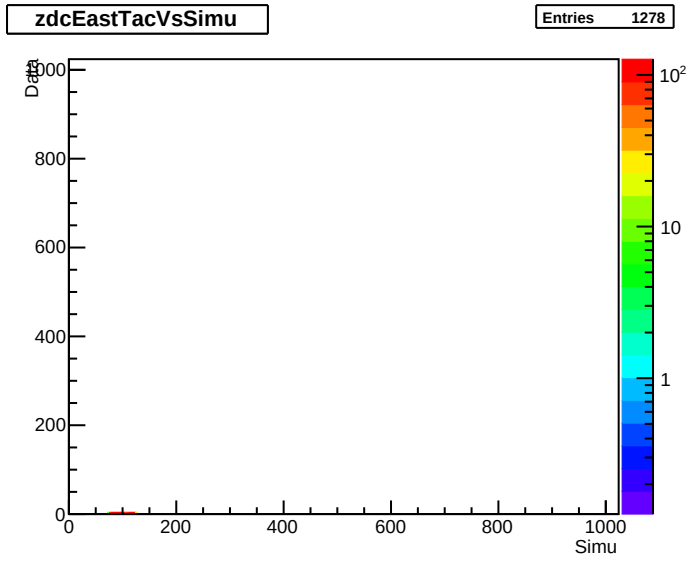

vpdWestAdcSum
Entries 406423

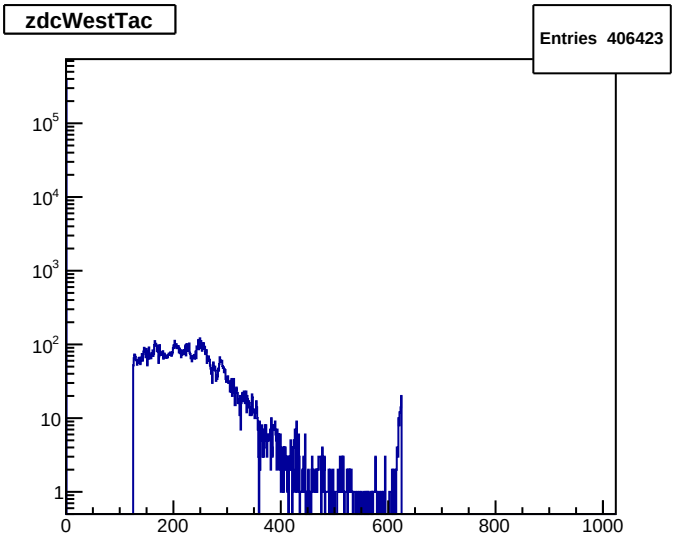

vpdWestAdcSumVsSimu
Entries 309067
Data
Simu

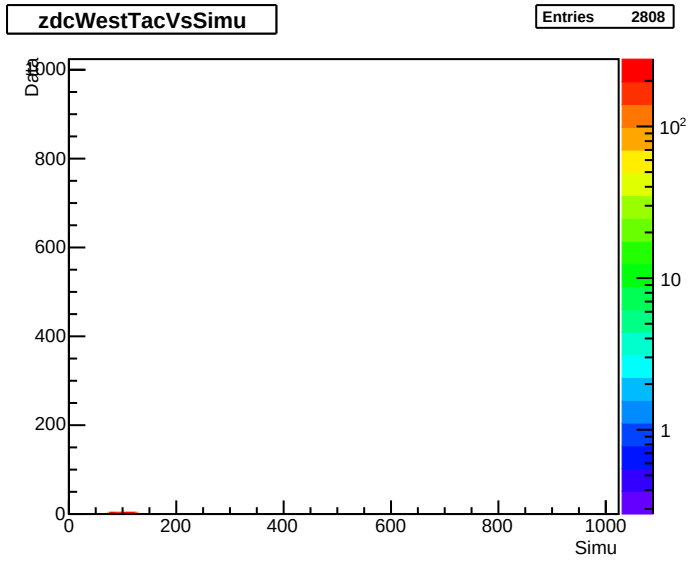

vpdWestTacMax
Entries 406423

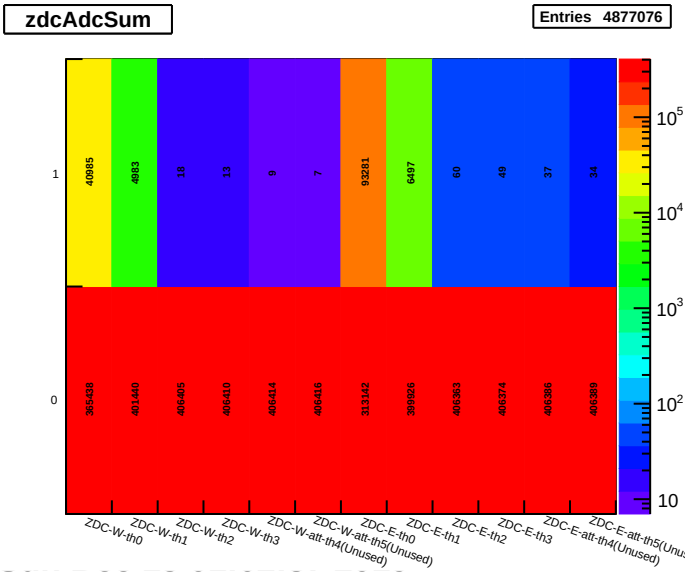

vpdWestTacMaxVsSimu
Entries 309067
Data
Simu

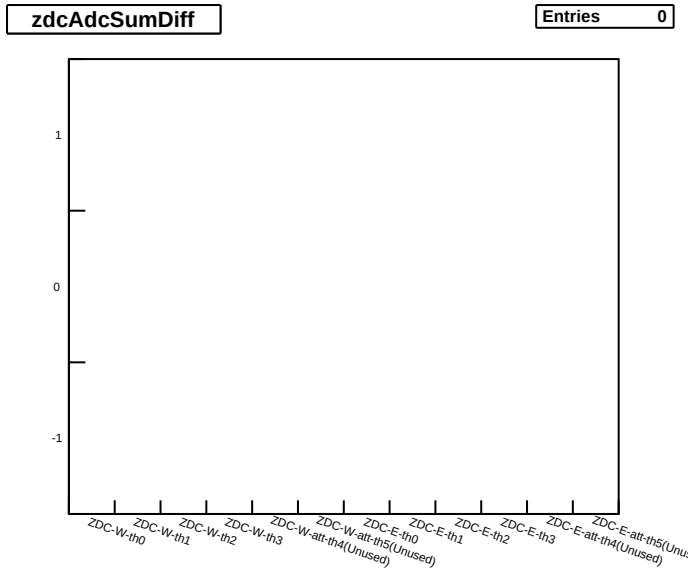

zdcEastTac
Entries 406423

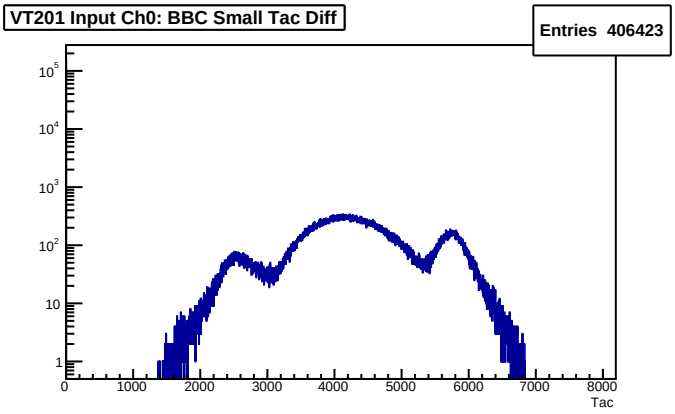

zdcEastTacVsSimu
Entries 1278
Data
Simu

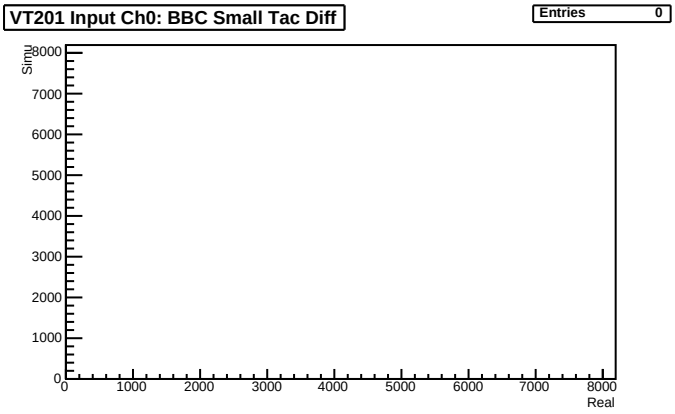

zdcWestTac
Entries 406423

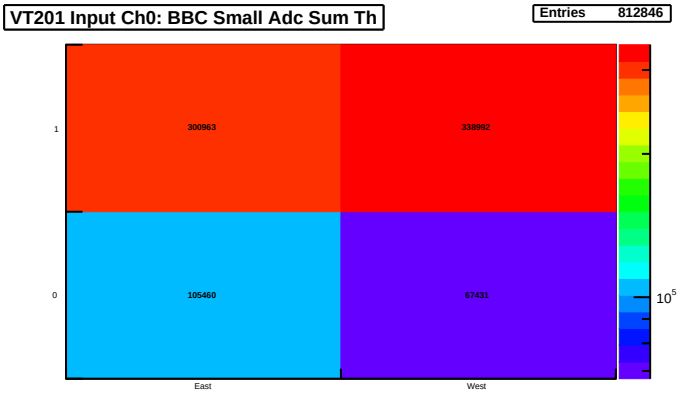

zdcWestTacVsSimu
Entries 2808
Data
Simu

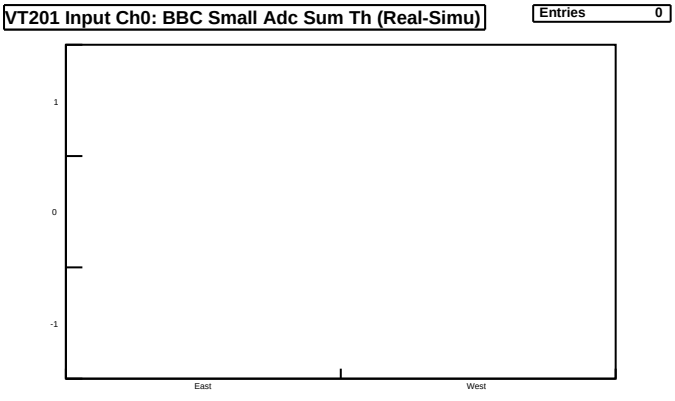

zdcAdcSum
Entries 4877076
40985
4983
18
13
9
7
93281
6497
60
49
37
34
365438
401440
406405
406410
406414
406416
313142
399926
406363
406374
406386
406389
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

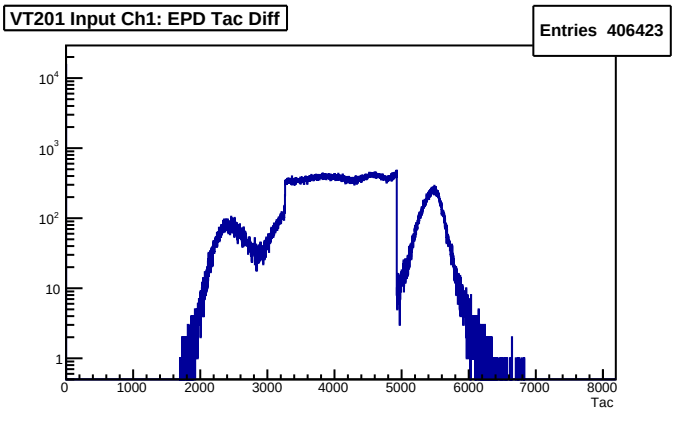

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

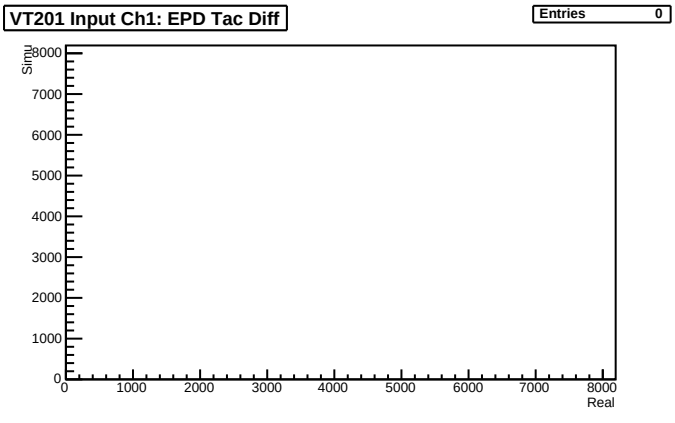

VT201 Input Ch0: BBC Small Tac Diff
Entries 406423
Tac

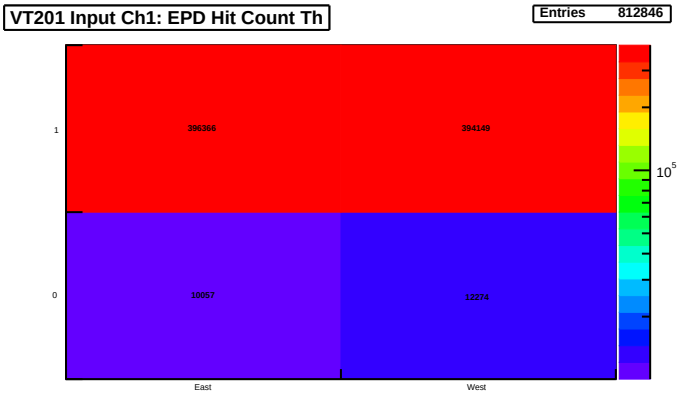

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

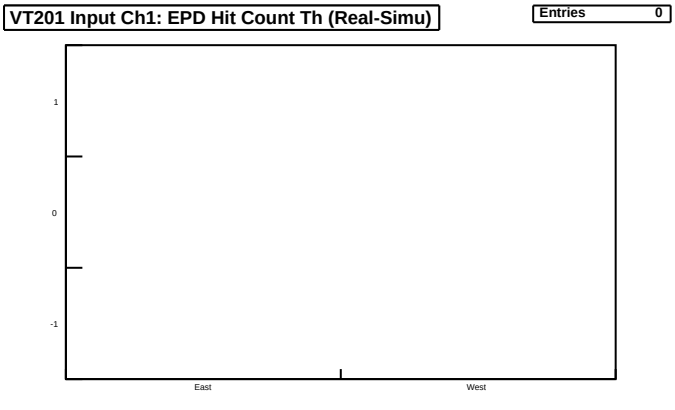

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 812846
300963
338992
105460
67431
East
West

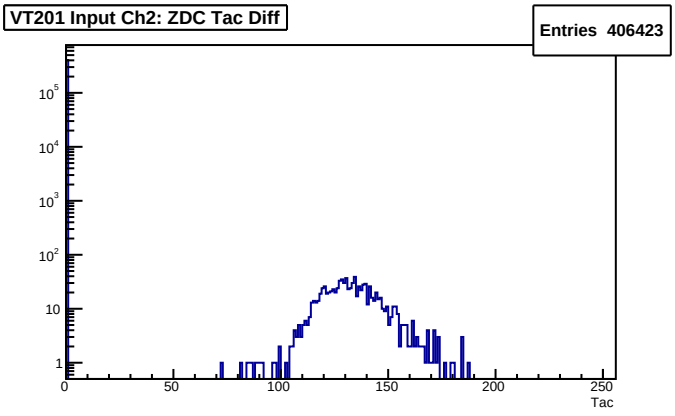

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

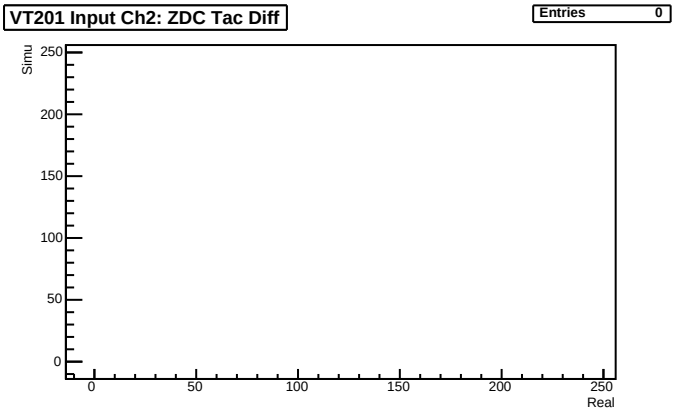

VT201 Input Ch1: EPD Tac Diff
Entries 406423
Tac

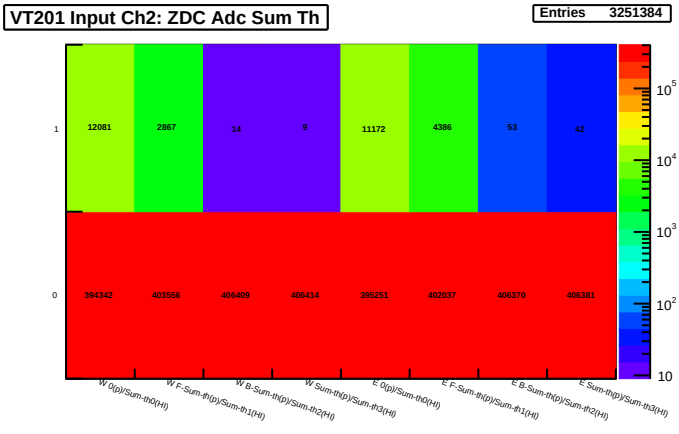

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

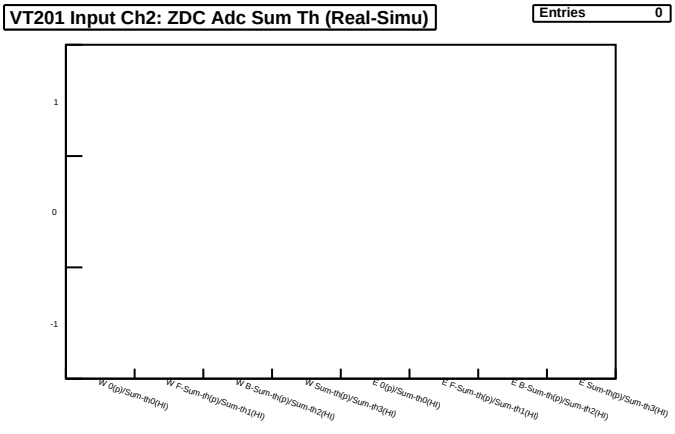

VT201 Input Ch1: EPD Hit Count Th
Entries 812846
396366
394149
10057
12274
East
West

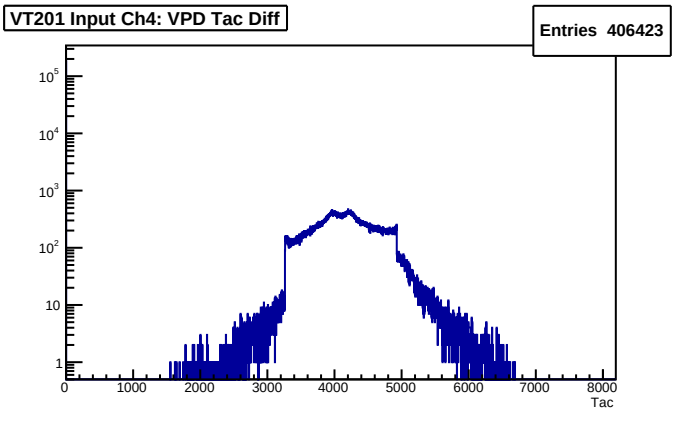

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

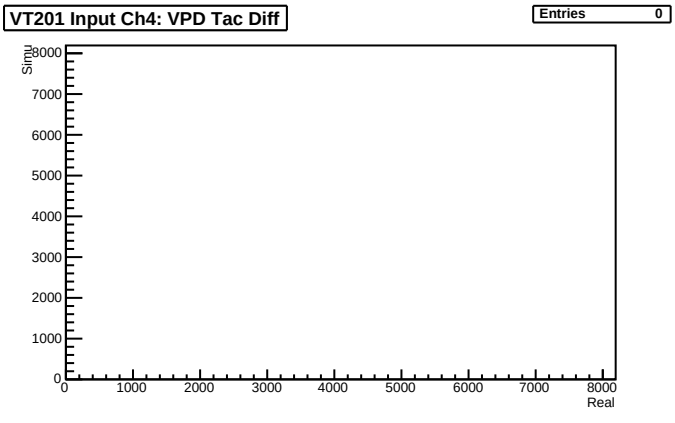

VT201 Input Ch2: ZDC Tac Diff
Entries 406423
Tac

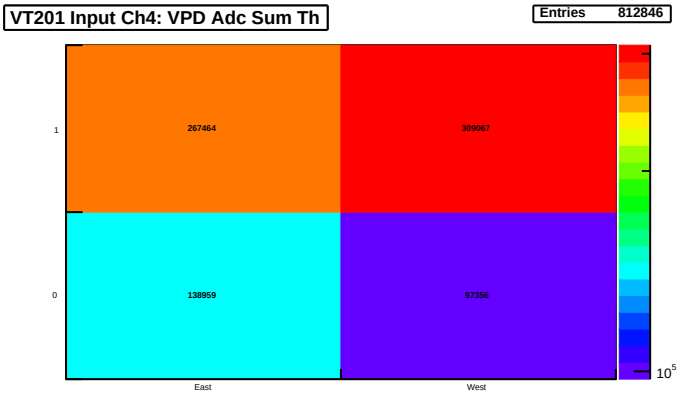

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

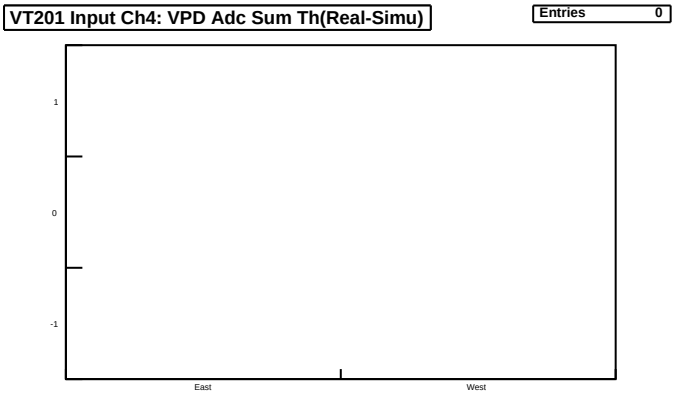

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3251384
12081
2867
14
9
11172
4386
53
42
394342
403556
406409
406414
395251
402037
406370
406381
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

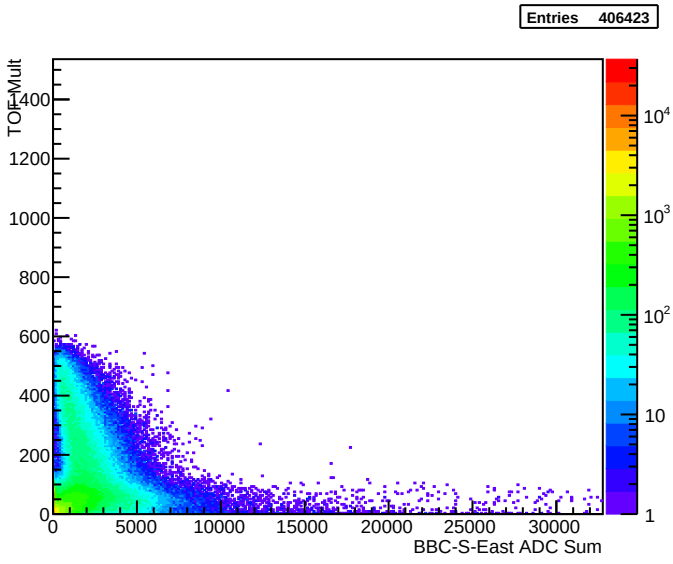

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

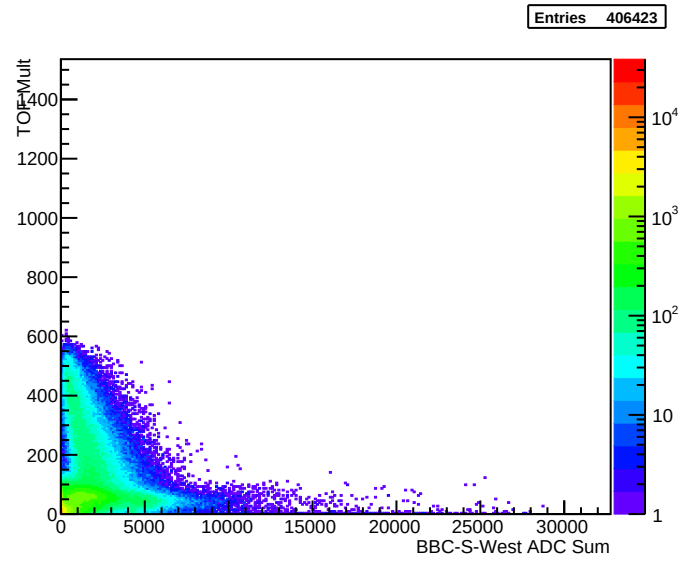

VT201 Input Ch4: VPD Tac Diff
Entries 406423
Tac

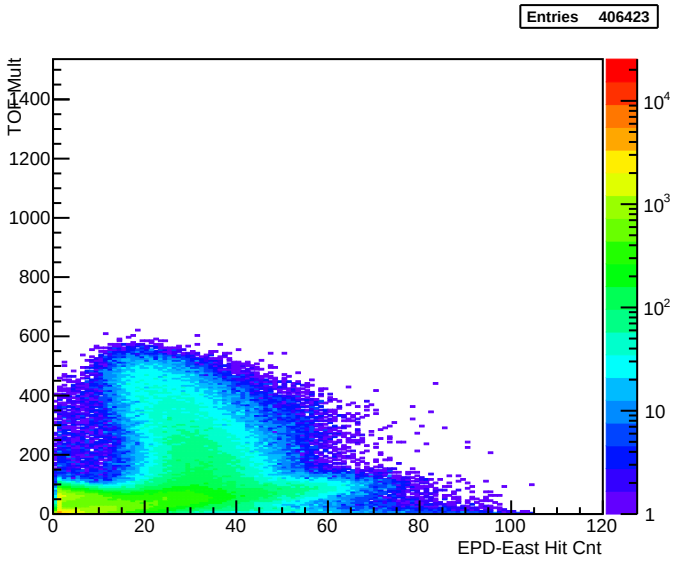

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

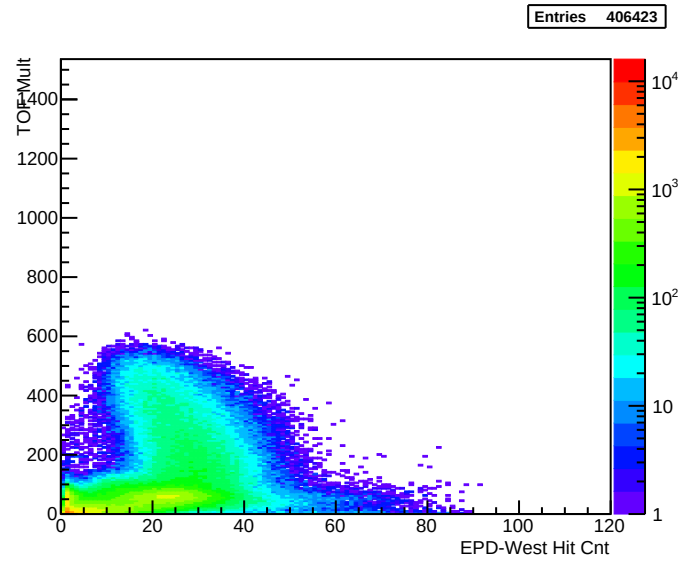

VT201 Input Ch4: VPD Adc Sum Th
Entries 812846
267464
309067
138959
97356
East
West

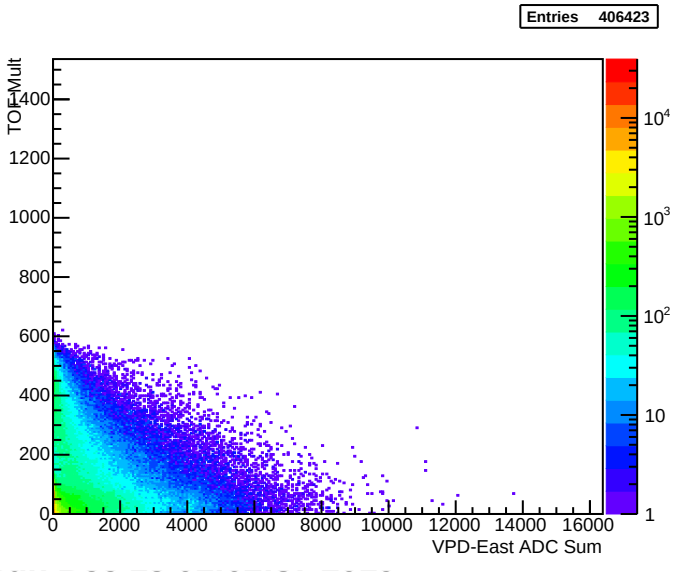

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

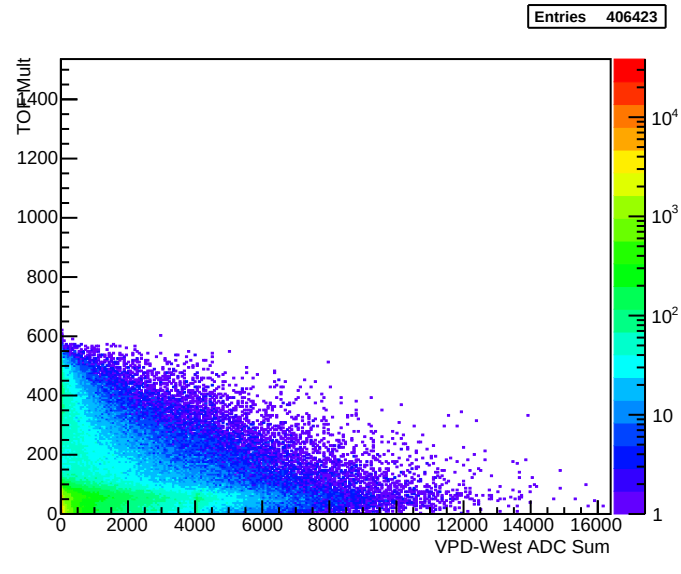

Entries 406423
TOF-Mult
BBC-S-East ADC Sum

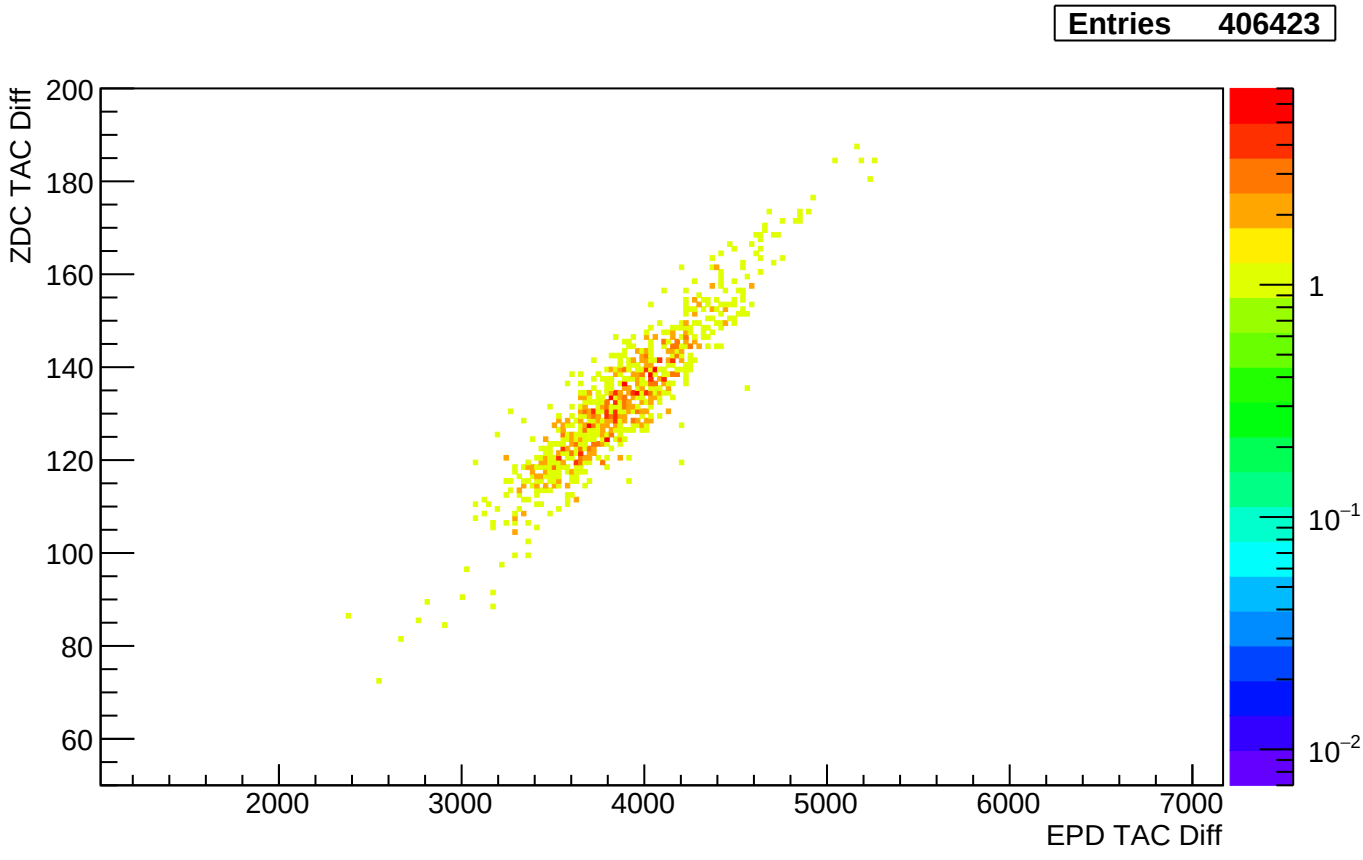

Entries 406423
TOF-Mult
BBC-S-West ADC Sum

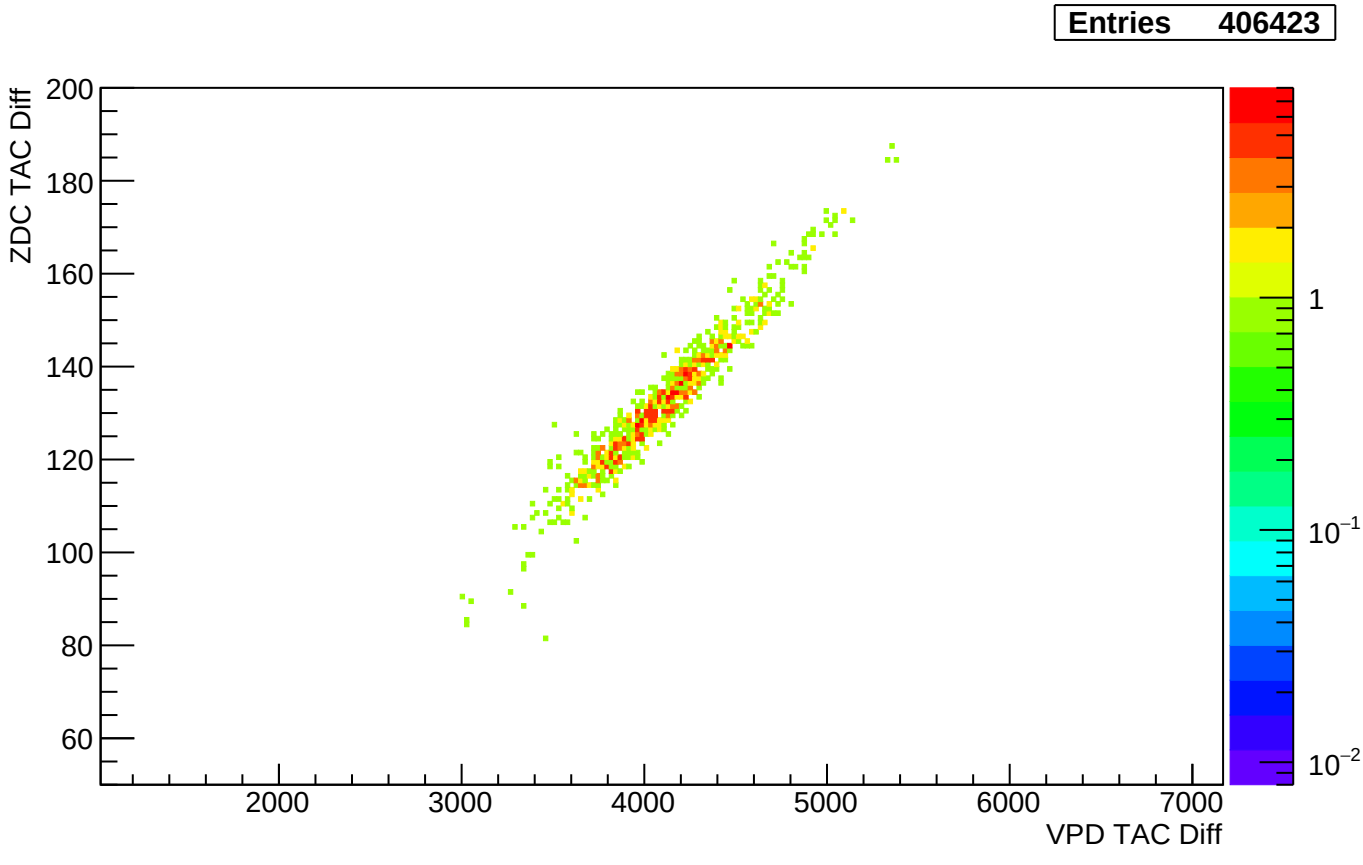

Entries 406423
TOF-Mult
EPD-East Hit Cnt

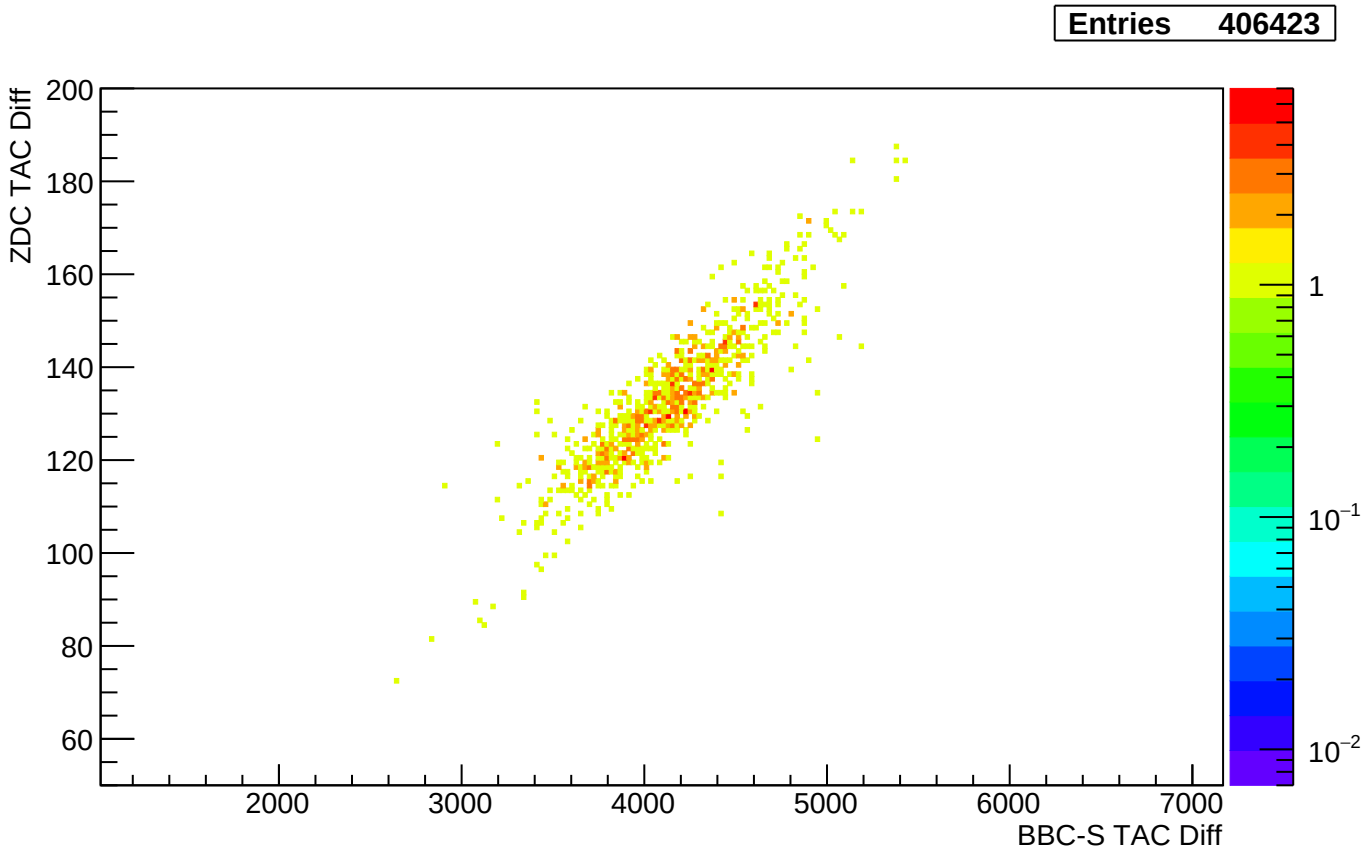

Entries 406423
TOF-Mult
EPD-West Hit Cnt

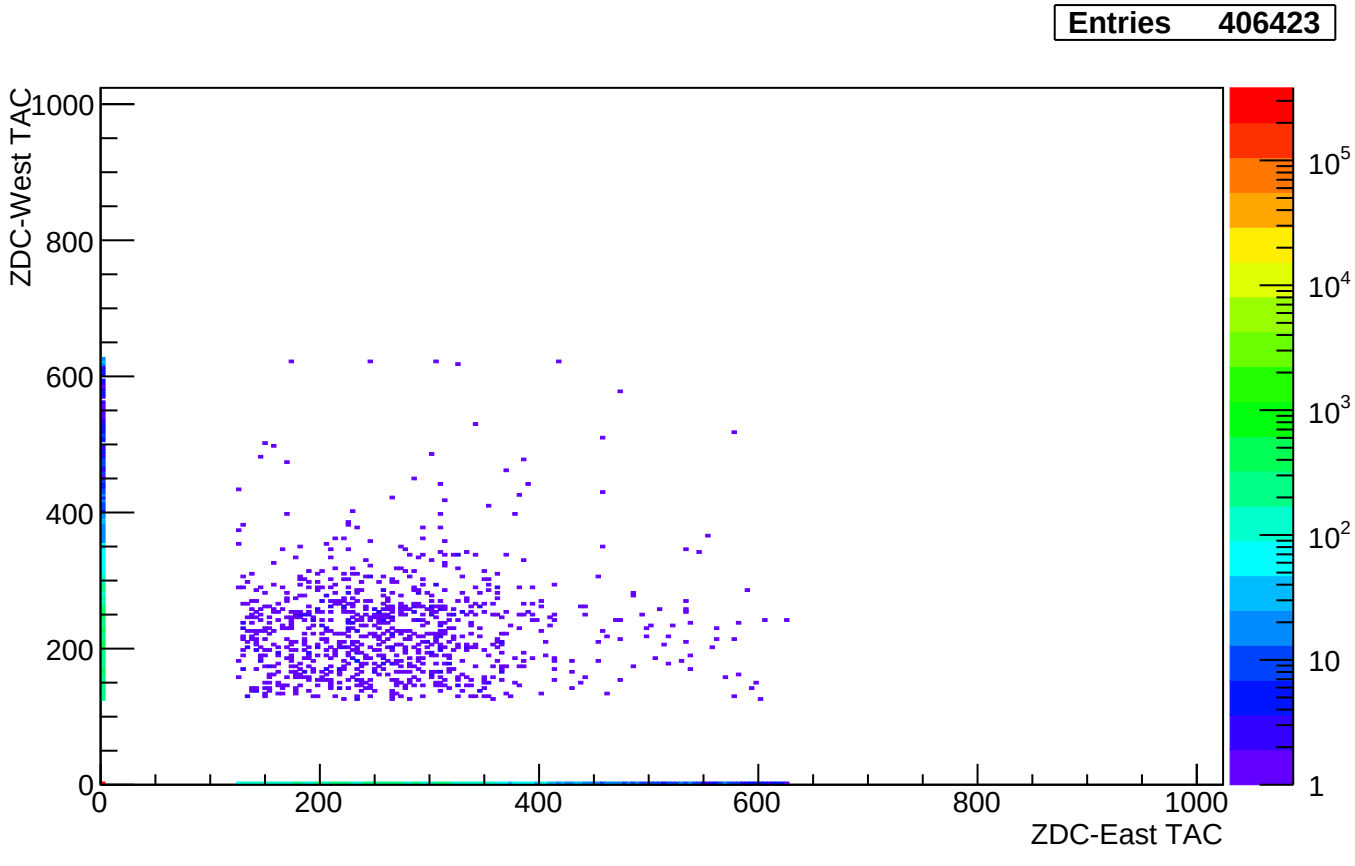

Entries 406423
TOF-Mult
VPD-East ADC Sum

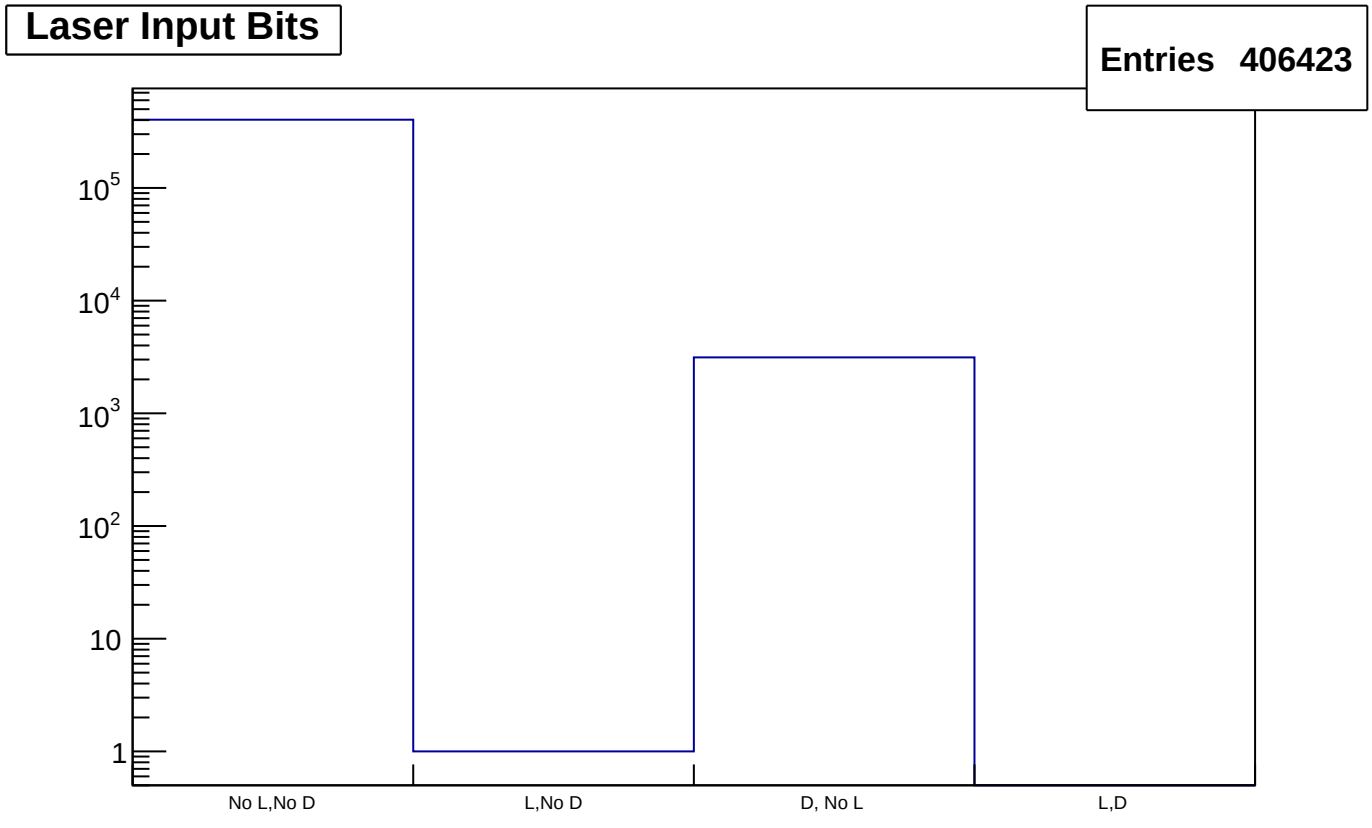

Entries 406423
TOF-Mult
VPD-West ADC Sum

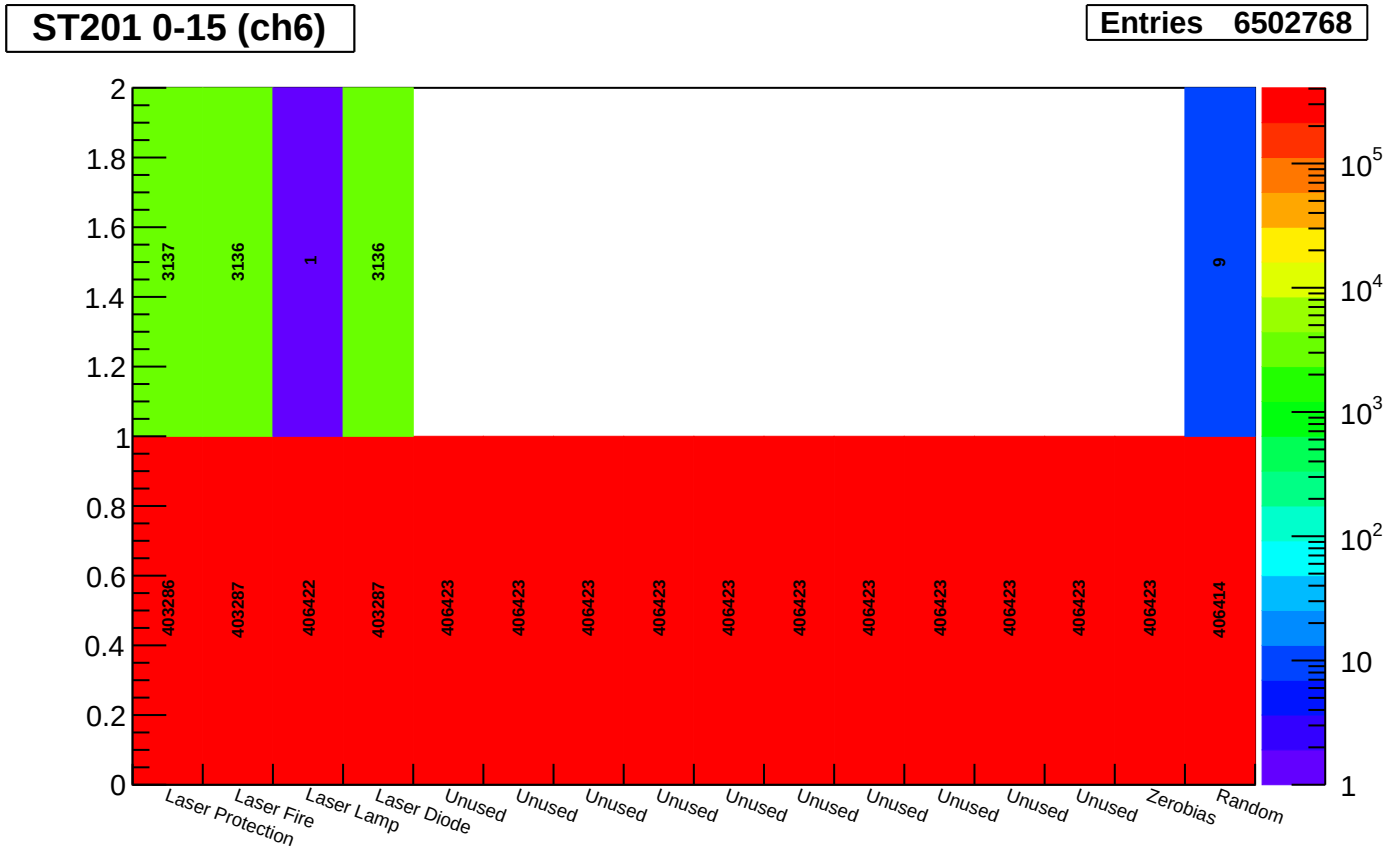

Entries 406423
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

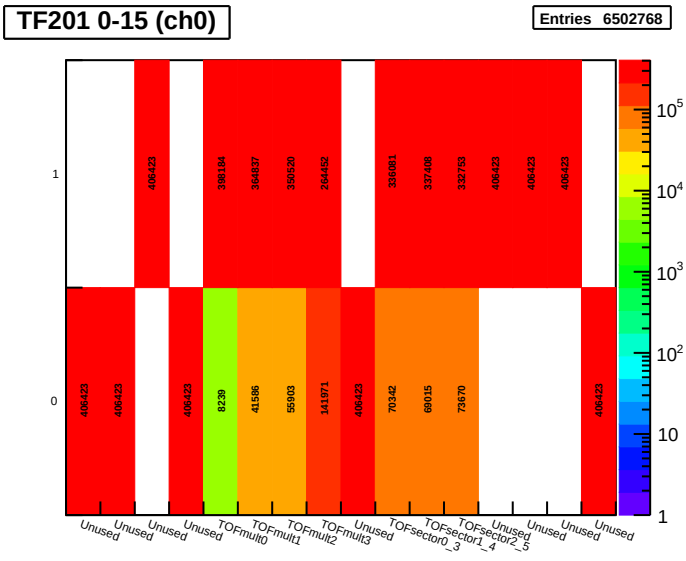

Entries 406423
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

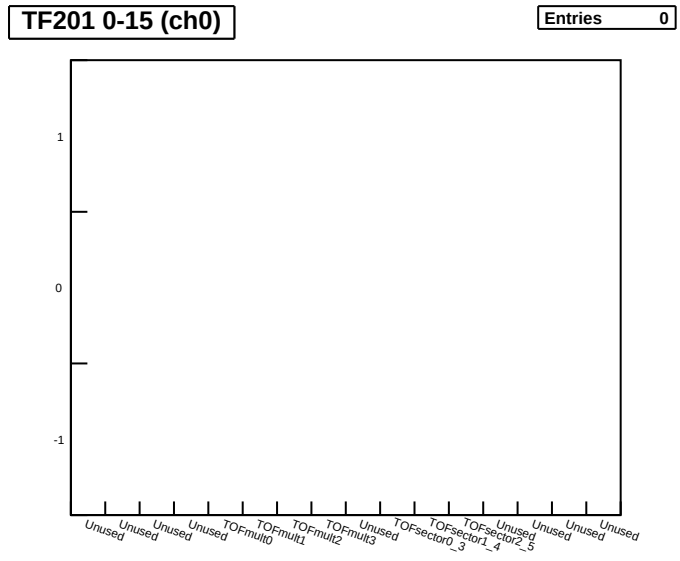

Entries 406423
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

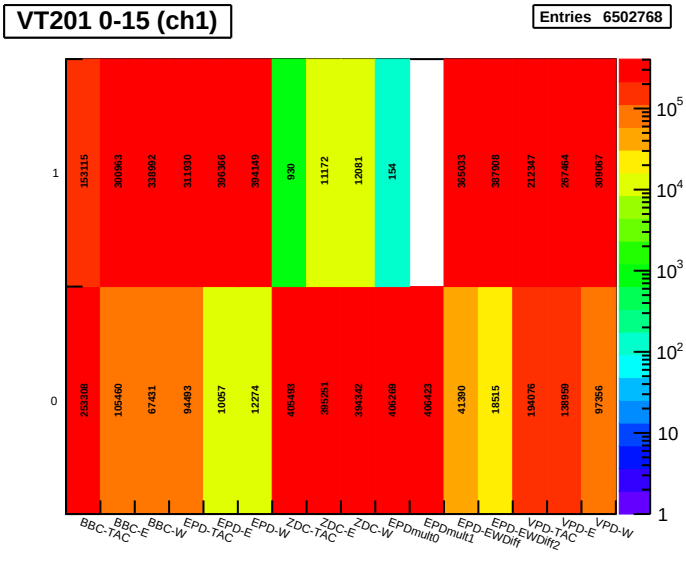

Entries 406423
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

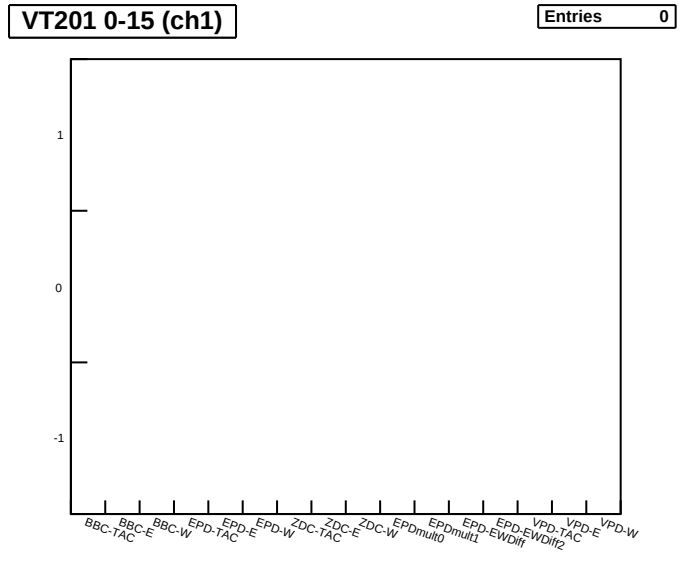

Laser Input Bits
Entries 406423
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

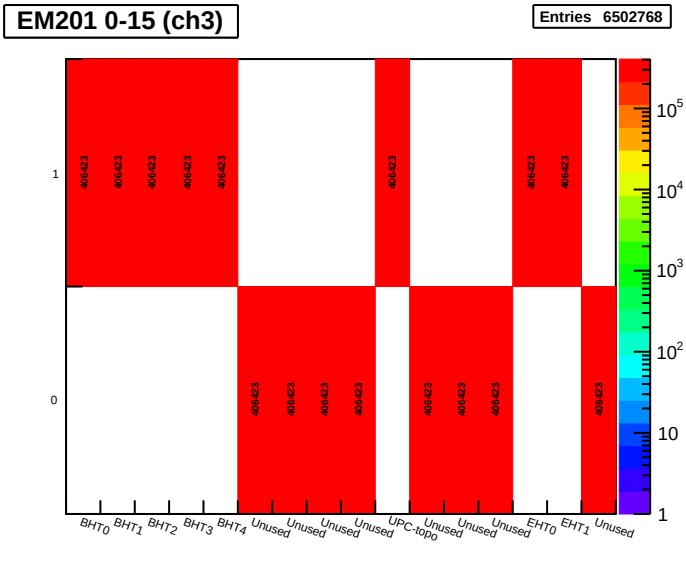

ST201 0-15 (ch6)
Entries 6502768
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3137
3136
1
3136
9
403286
403287
406422
403287
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406414
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

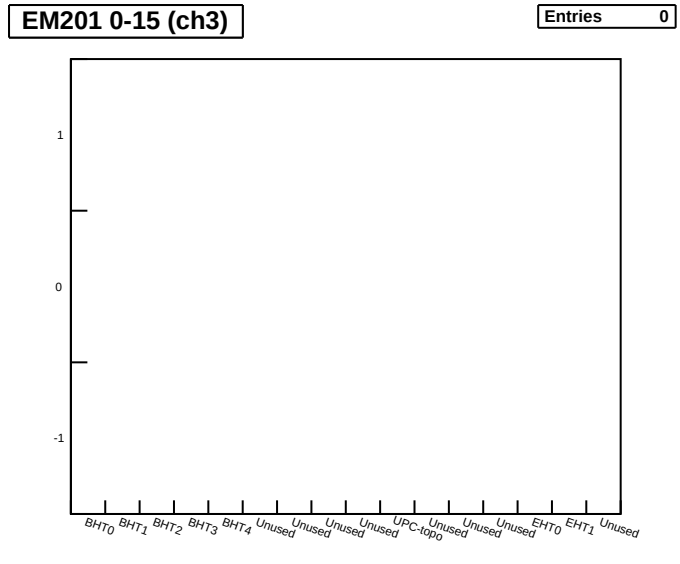

TF201 0-15 (ch0)
Entries 6502768
1
0
406423
398184
364837
360520
294452
336081
337408
332753
406423
406423
406423
406423
406423
406423
8239
41586
55903
141971
406423
70342
69015
73670
406423
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 6502768
1
0
153115
300953
338992
311930
396356
394149
930
11172
12081
154
365033
387908
212347
267464
309067
253308
105460
67431
94493
10057
12274
406493
395251
394342
406269
406423
41390
18515
194076
138959
97356
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 6502768
1
0
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
406423
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1