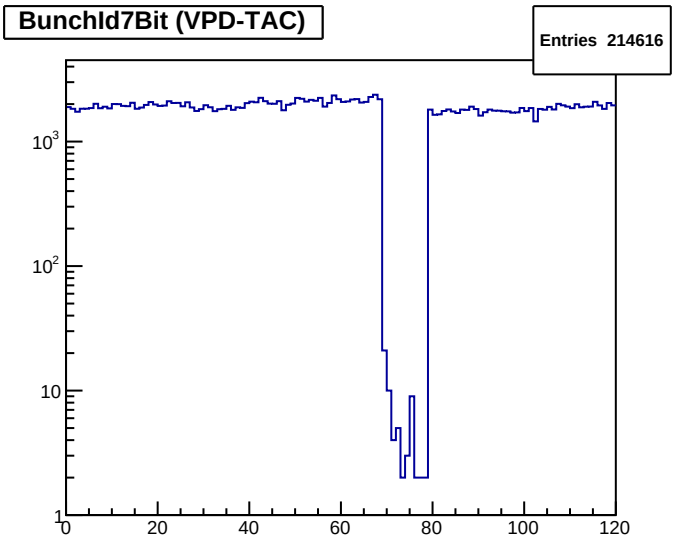
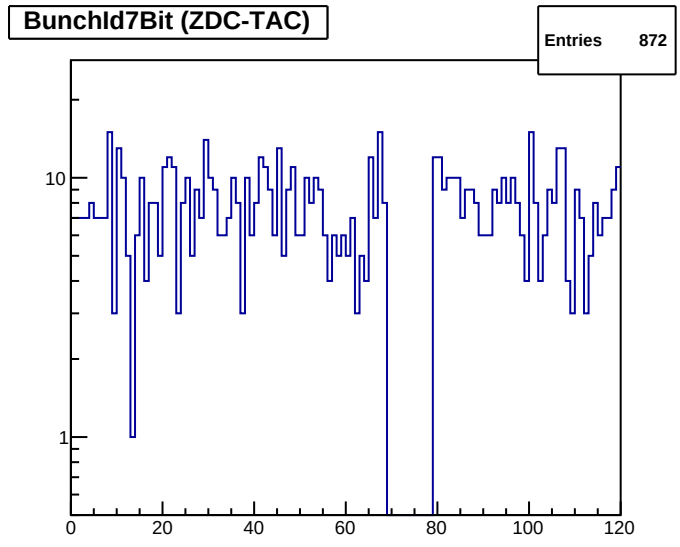
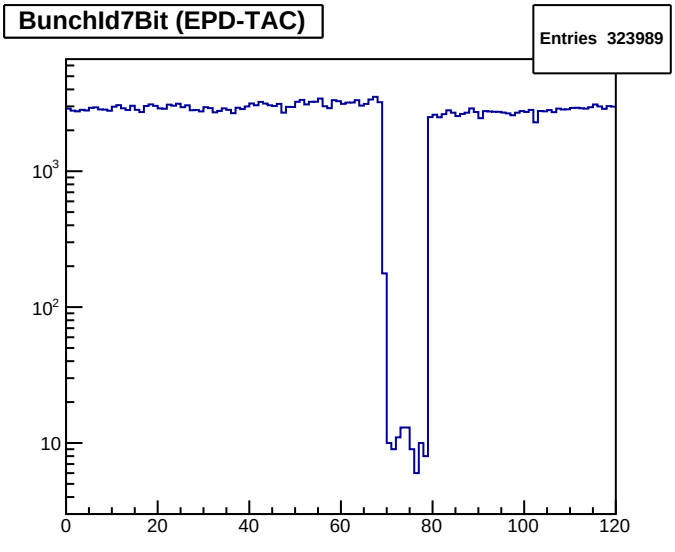
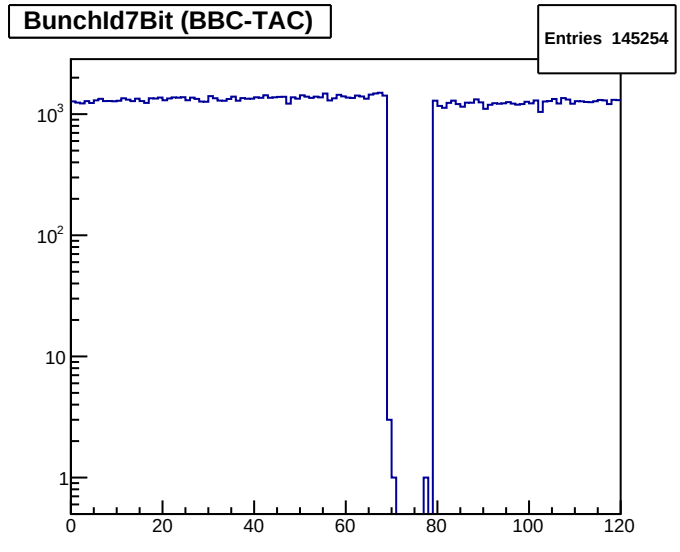
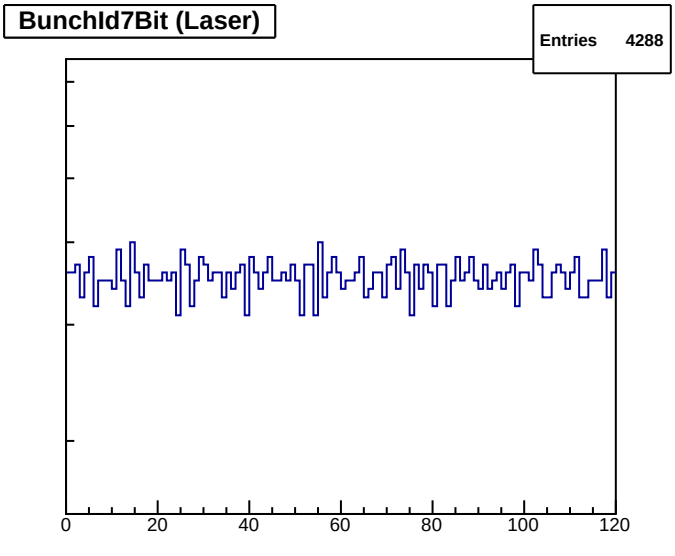
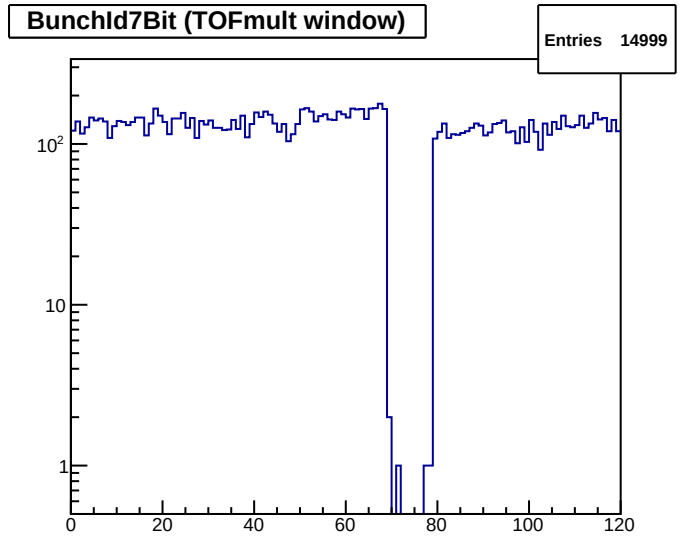

BunchId7Bit (VPD-TAC)
Entries 214616
10^3
10^2
10
1
0
20
40
60
80
100
120

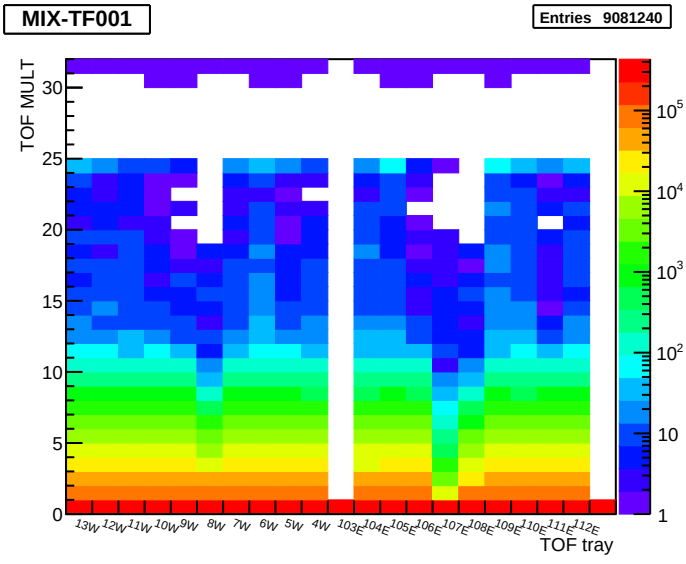

BunchId7Bit (ZDC-TAC)
Entries 872
10
1
0
20
40
60
80
100
120

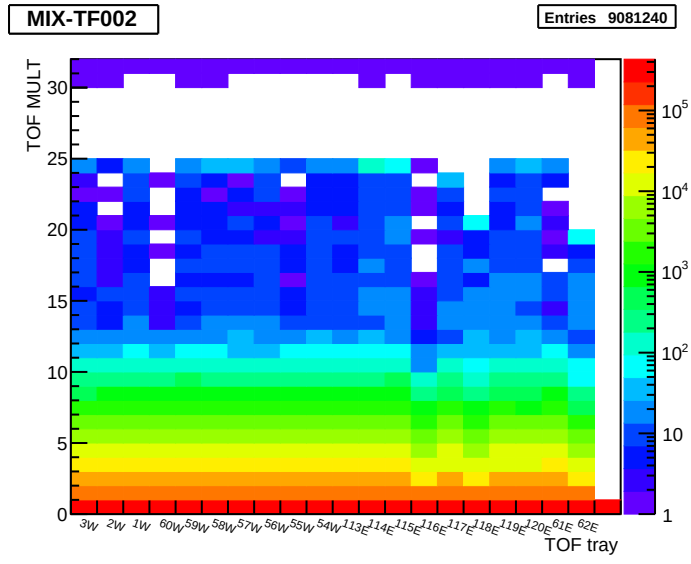

BunchId7Bit (EPD-TAC)
Entries 323989
10^3
10^2
10
0
20
40
60
80
100
120

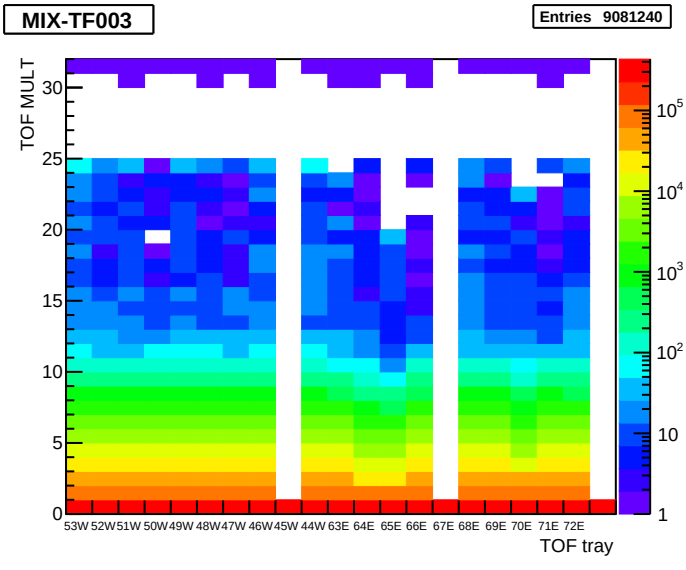

BunchId7Bit (BBC-TAC)
Entries 145254
10^3
10^2
10
1
0
20
40
60
80
100
120

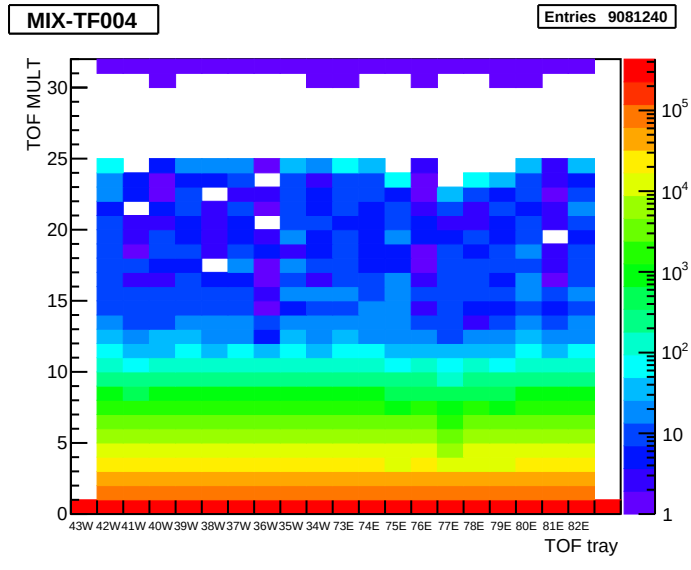

BunchId7Bit (Laser)
Entries 4288
0
20
40
60
80
100
120

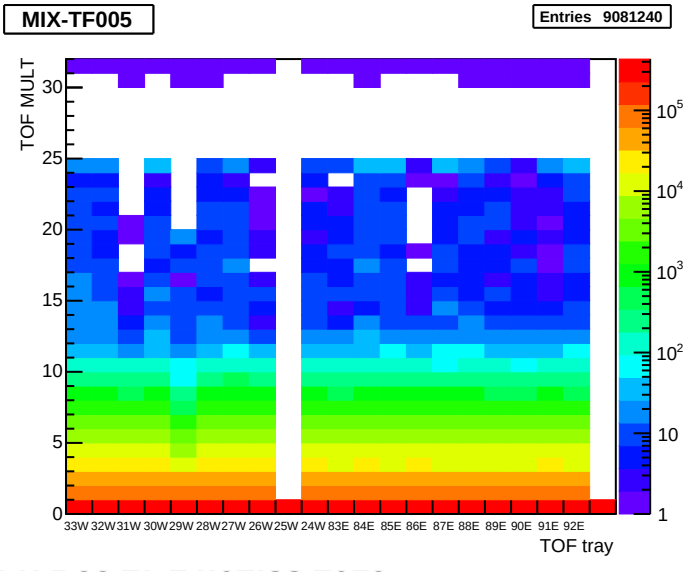

BunchId7Bit (TOFmult window)
Entries 14999
10^2
10
1
0
20
40
60
80
100
120

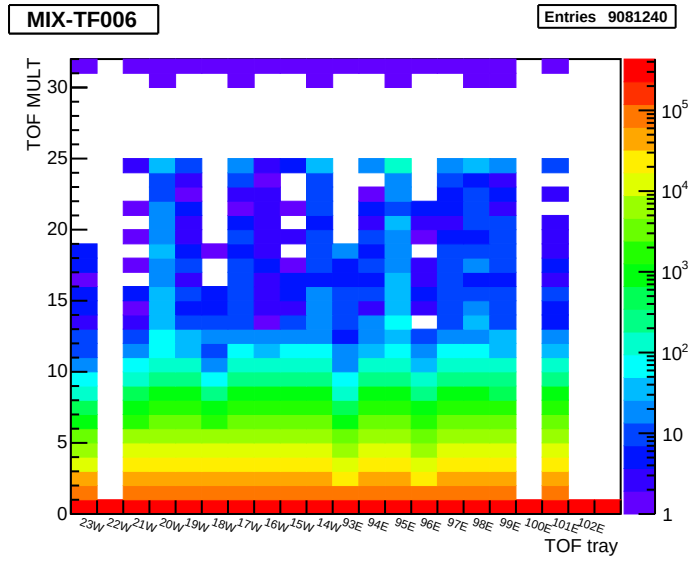

MIX-TF001
Entries 9081240
TOF MULT
TOF tray

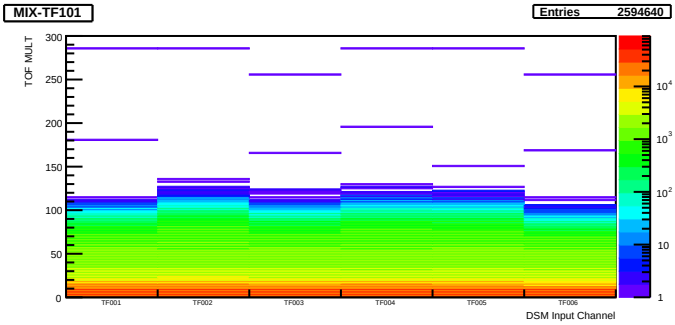

MIX-TF002
Entries 9081240
TOF MULT
TOF tray

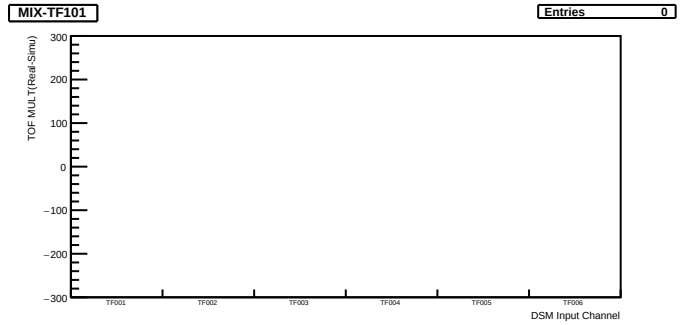

MIX-TF003
Entries 9081240
TOF MULT
TOF tray

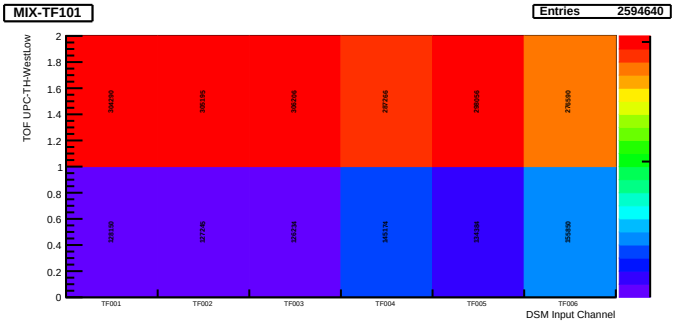

MIX-TF004
Entries 9081240
TOF MULT
TOF tray

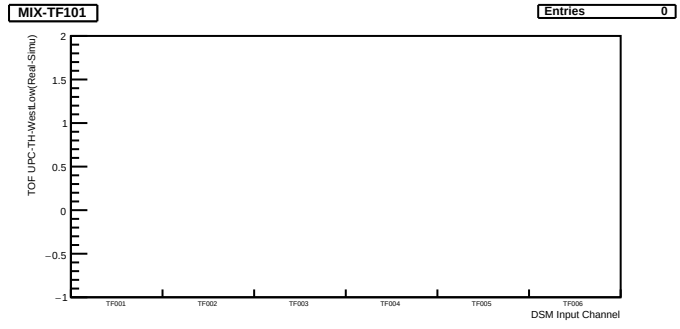

MIX-TF005
Entries 9081240
TOF MULT
TOF tray

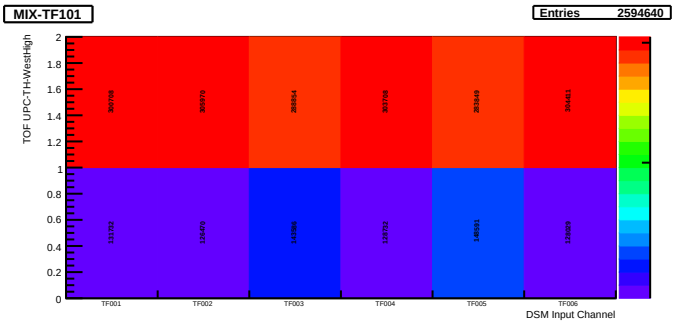

MIX-TF006
Entries 9081240
TOF MULT
TOF tray

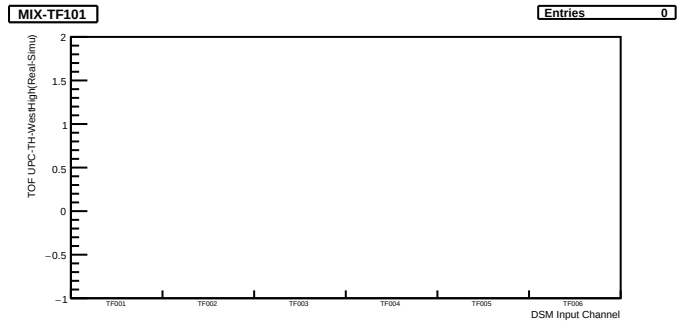

MIX-TF101
Entries 2594640
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

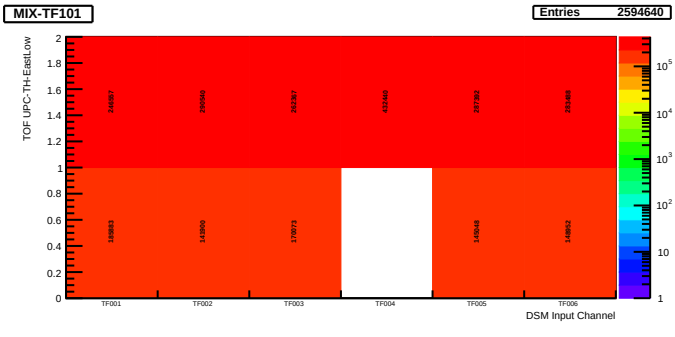

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

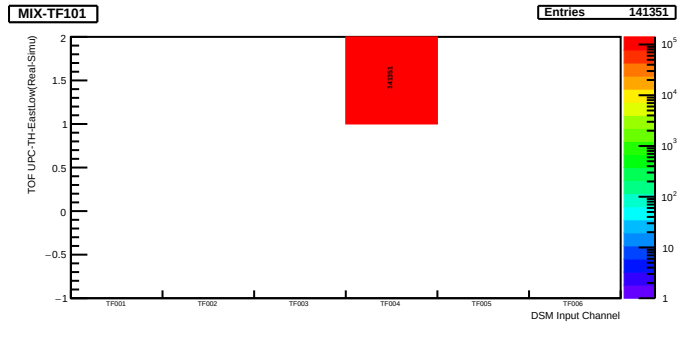

MIX-TF101
Entries 2594640
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

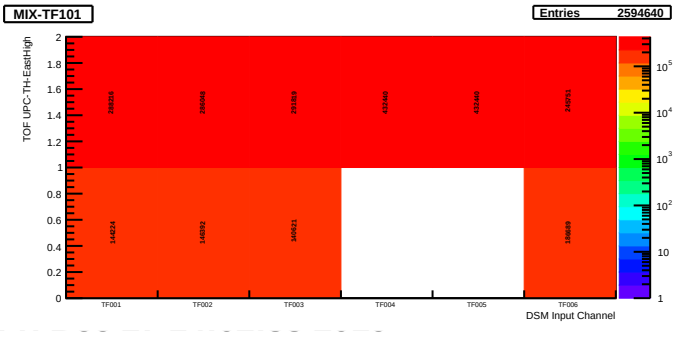

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

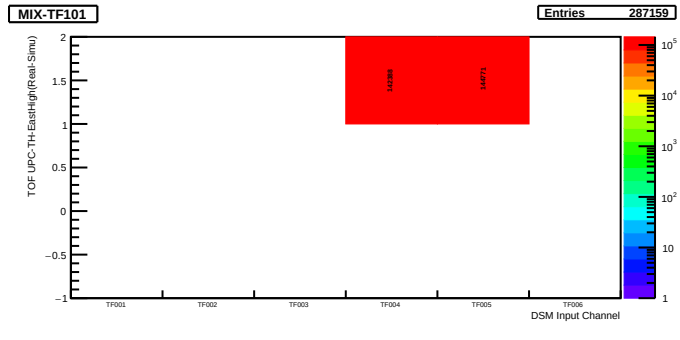

MIX-TF101
Entries 2594640
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

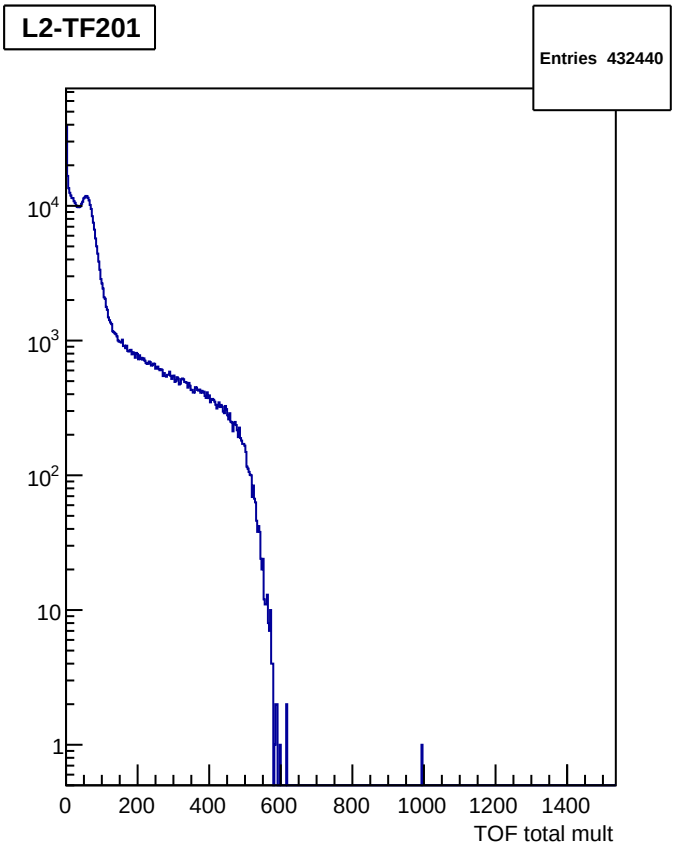

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

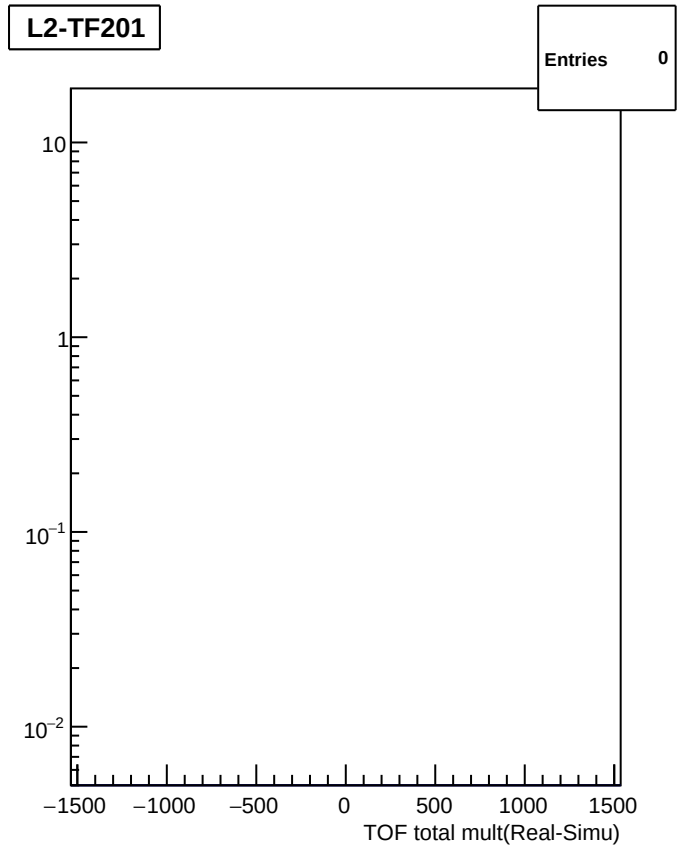

MIX-TF101
Entries 2594640
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

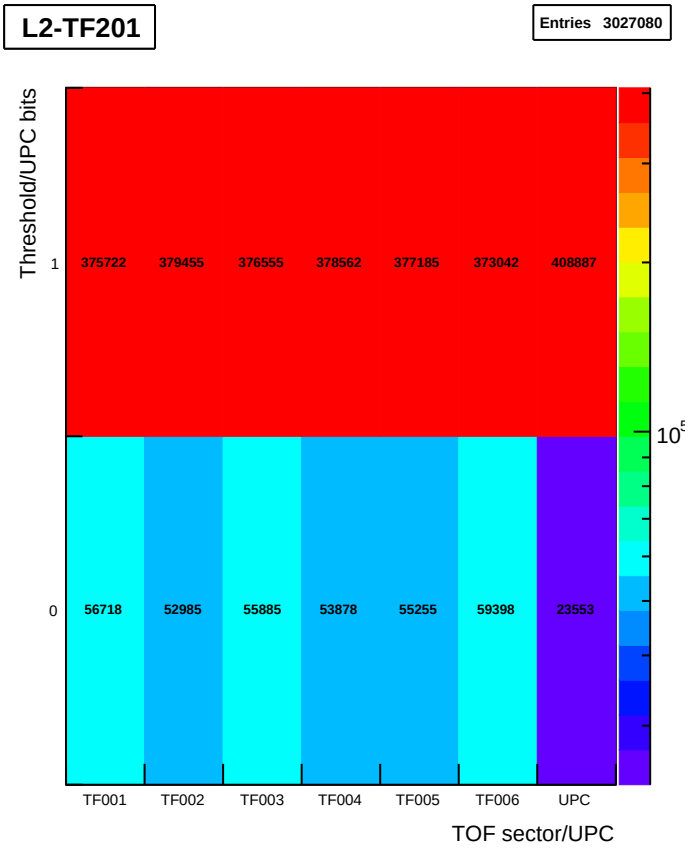

MIX-TF101
Entries 141351
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

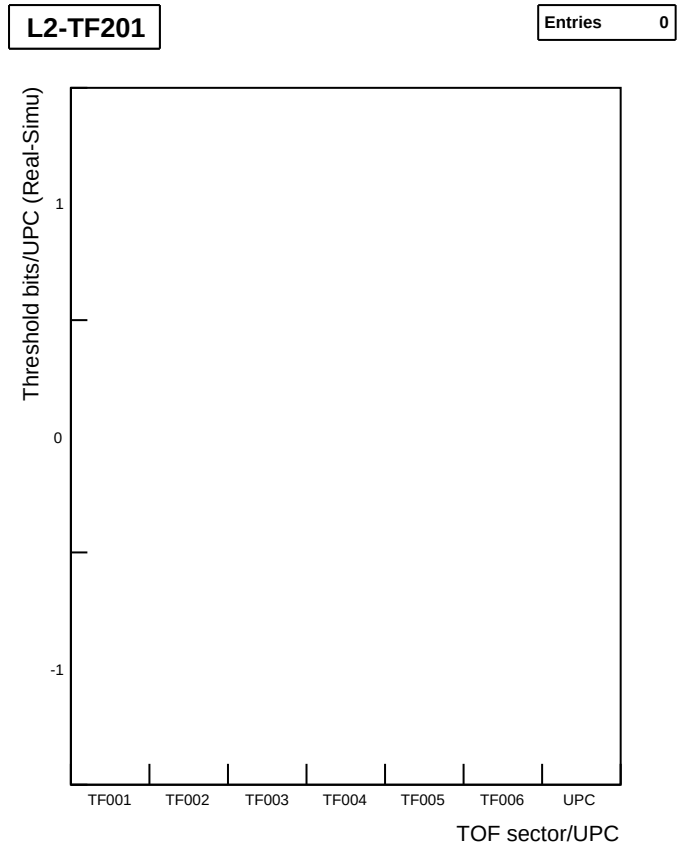

MIX-TF101
Entries 2594640
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

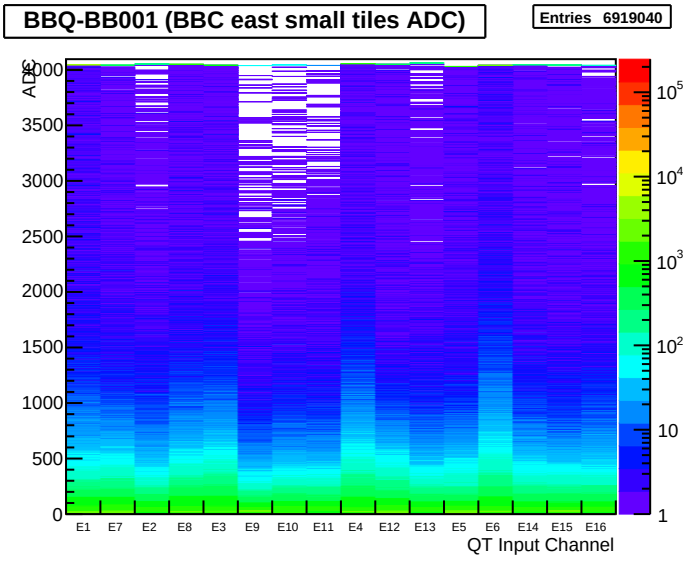

MIX-TF101
Entries 287159
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

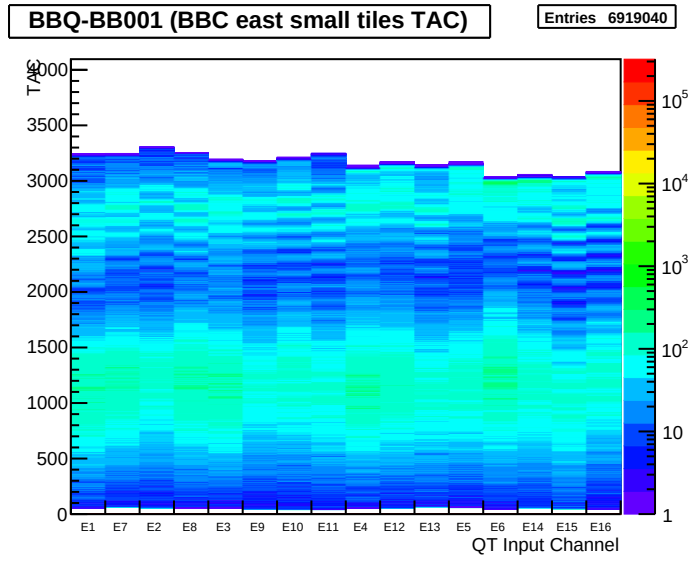

L2-TF201
Entries 432440
TOF total mult

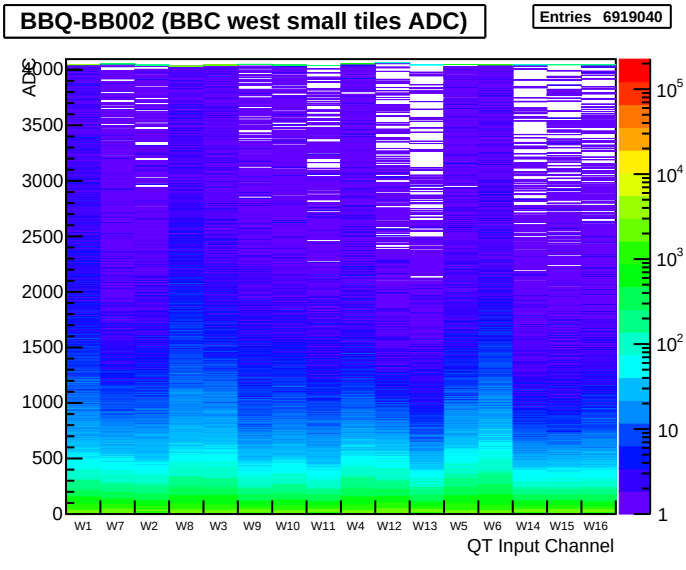

L2-TF201
Entries 0
TOF total mult(Real-Simu)

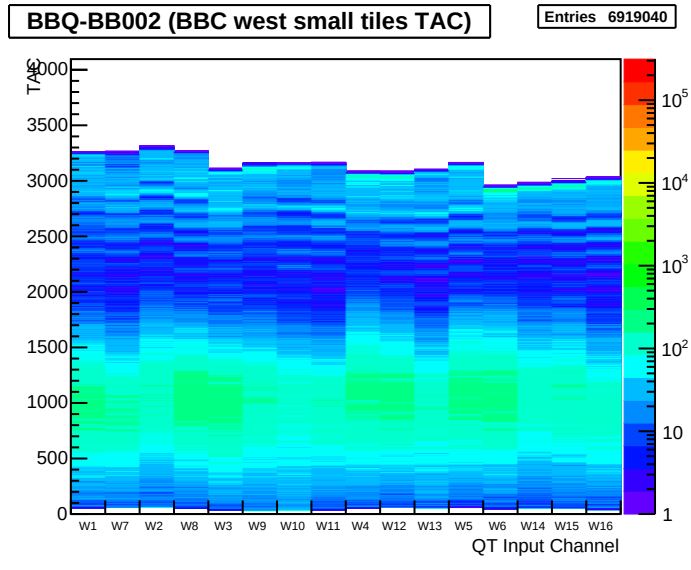

L2-TF201
Entries 3027080
Threshold/UPC bits
375722
379455
376555
378562
377185
373042
408887
56718
52985
55885
53878
55255
59398
23553
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

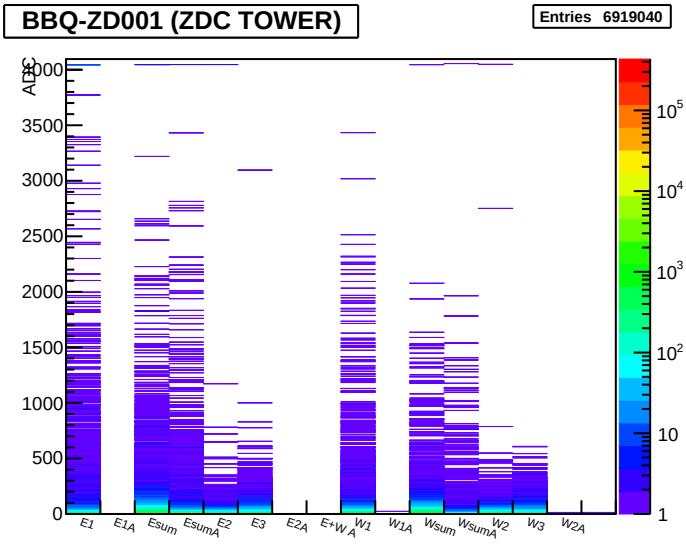

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

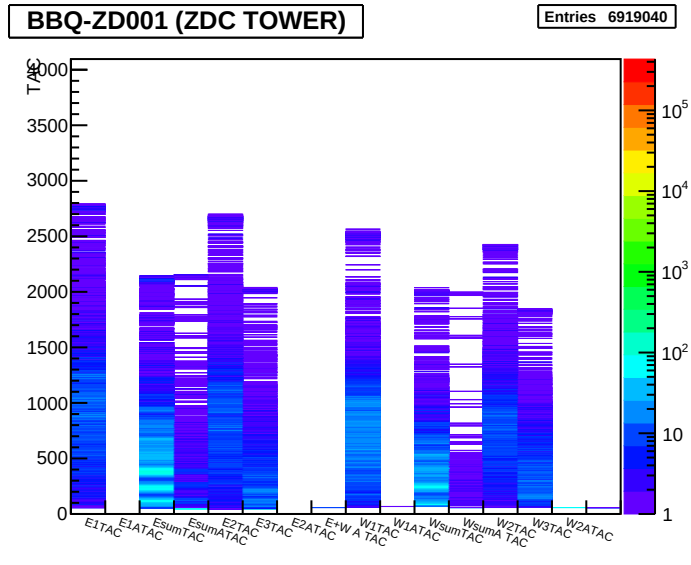

BBQ-BB001 (BBC east small tiles ADC)
Entries 6919040
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

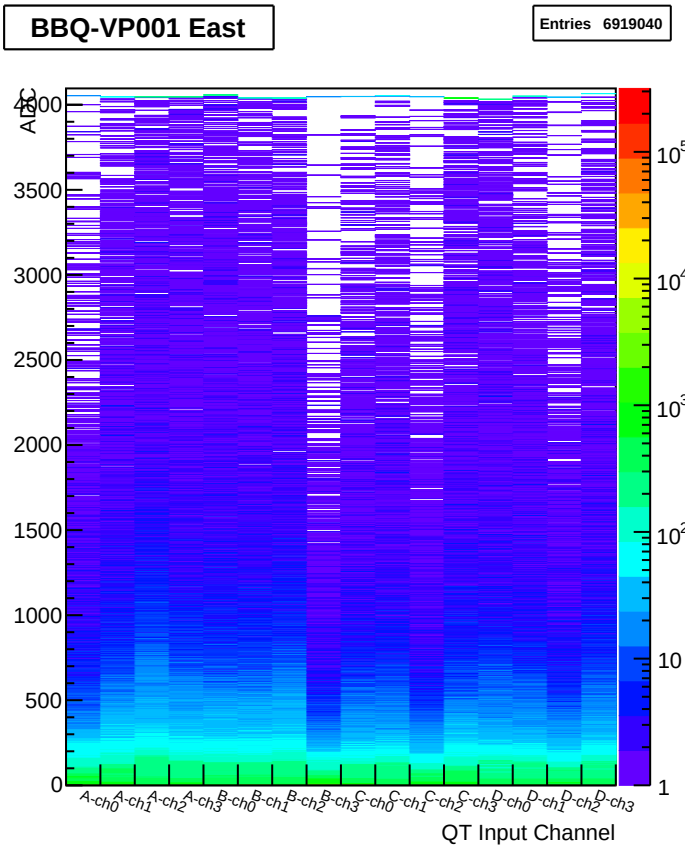

BBQ-BB001 (BBC east small tiles TAC)
Entries 6919040
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

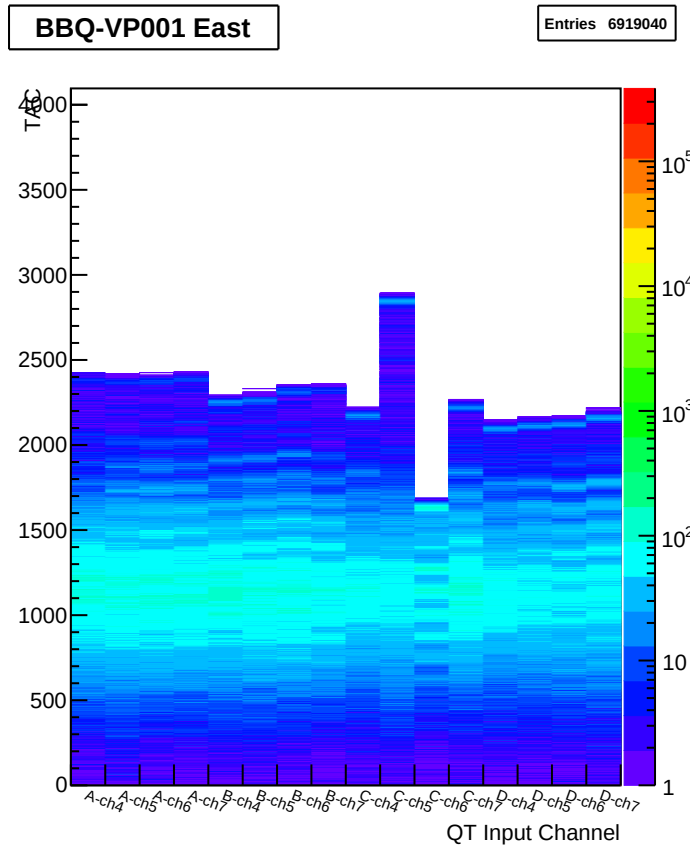

BBQ-BB002 (BBC west small tiles ADC)
Entries 6919040
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

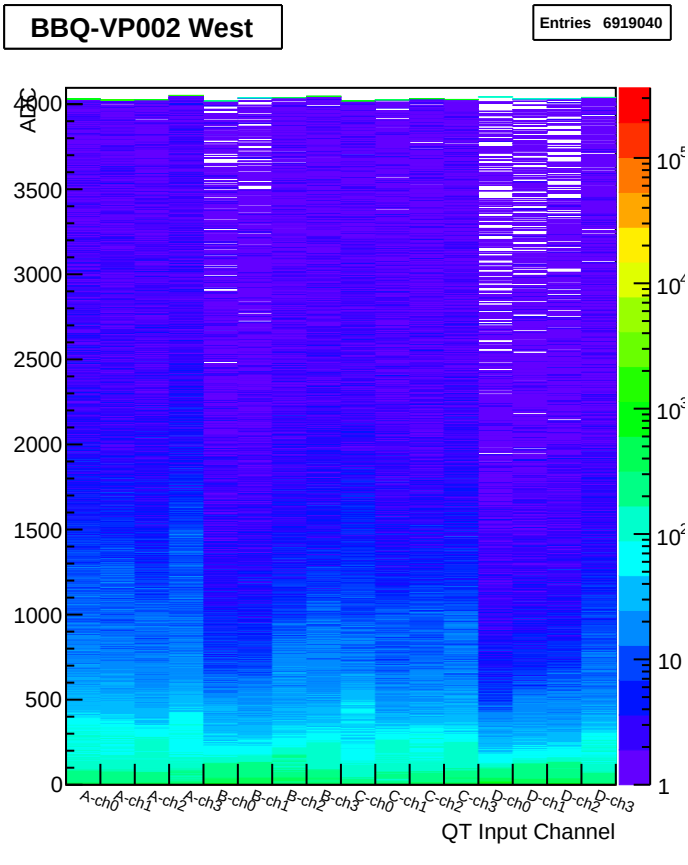

BBQ-BB002 (BBC west small tiles TAC)
Entries 6919040
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

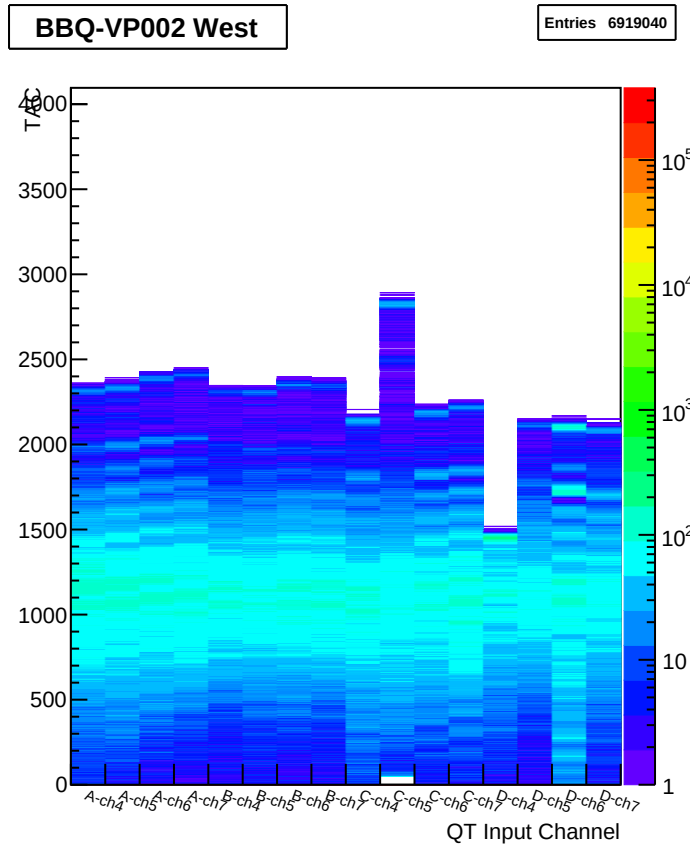

BBQ-ZD001 (ZDC TOWER)
Entries 6919040
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

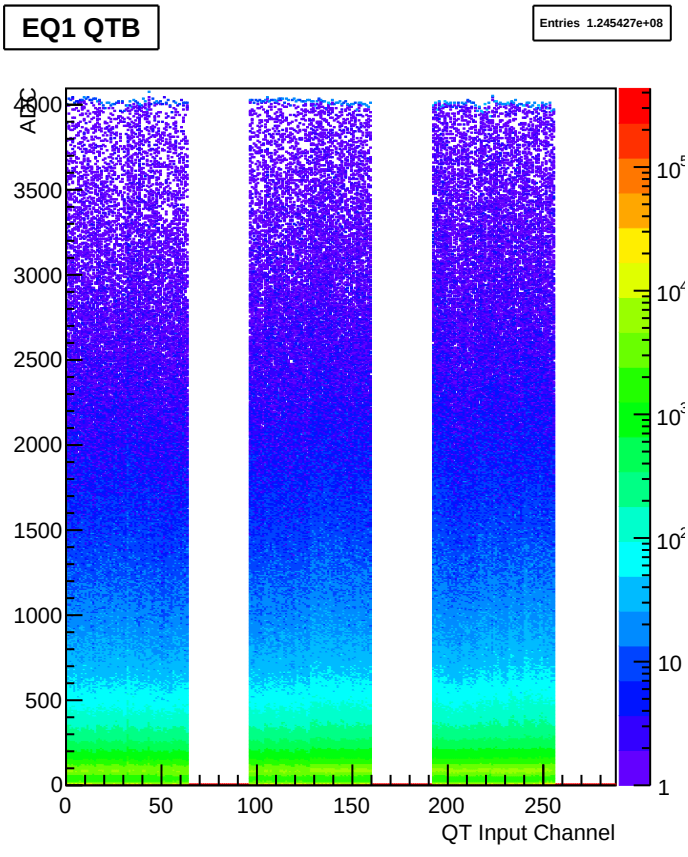

BBQ-ZD001 (ZDC TOWER)
Entries 6919040
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

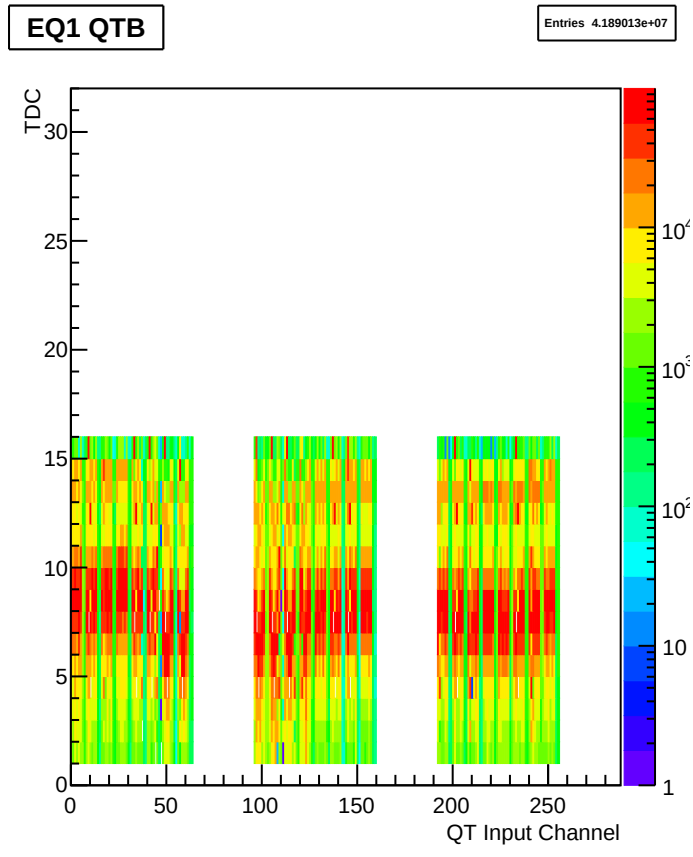

BBQ-VP001 East
Entries 6919040
ADC
QT Input Channel

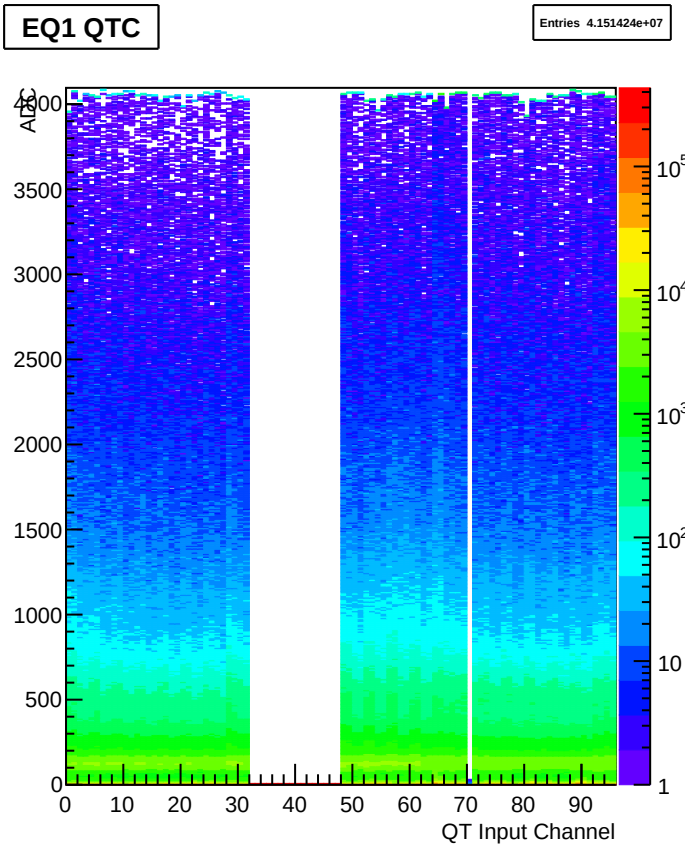

BBQ-VP001 East
Entries 6919040
TADC
QT Input Channel

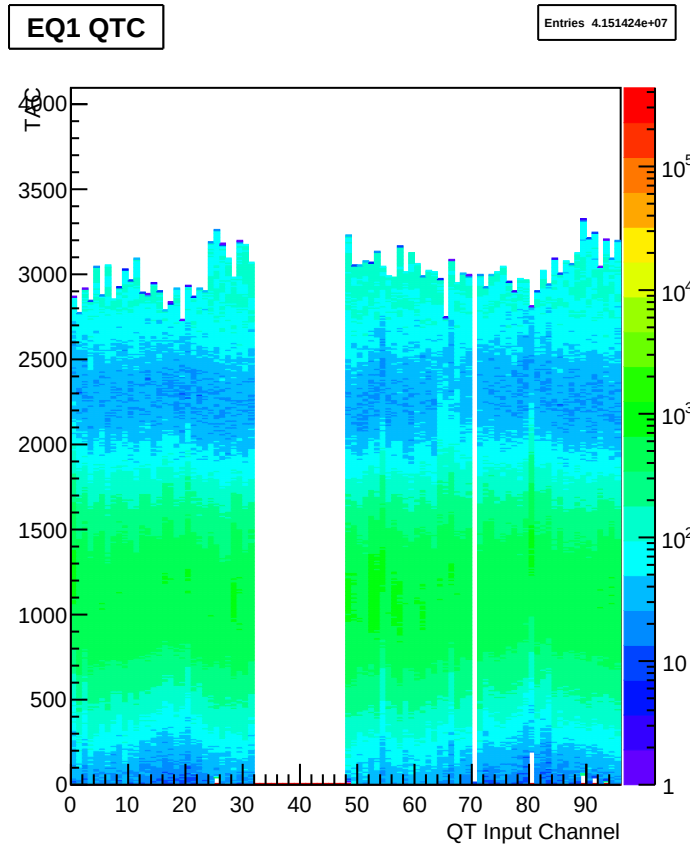

BBQ-VP002 West
Entries 6919040
ADC
QT Input Channel

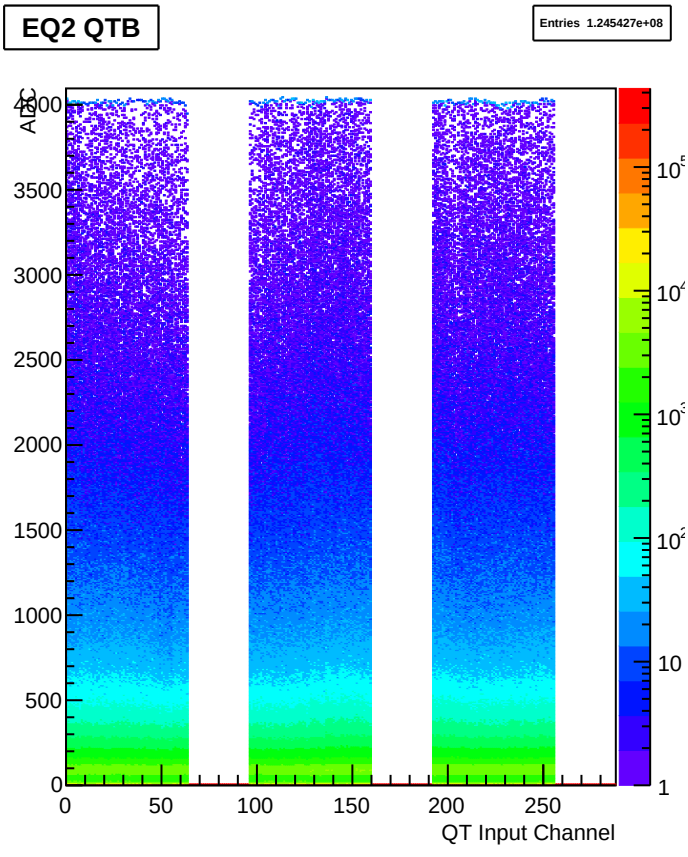

BBQ-VP002 West
Entries 6919040
TADC
QT Input Channel

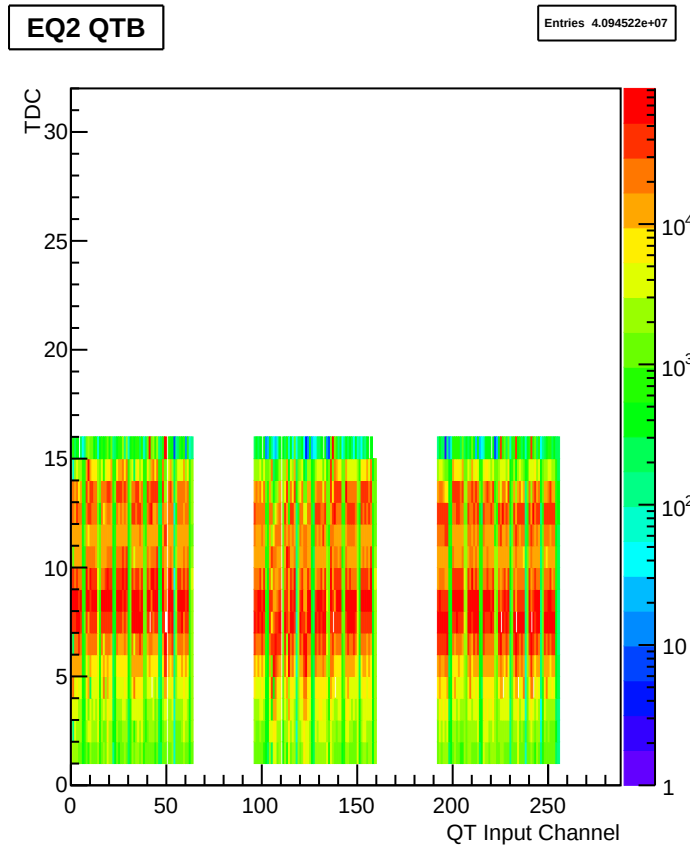

EQ1 QTB
Entries 1.245427e+08
ADC
QT Input Channel

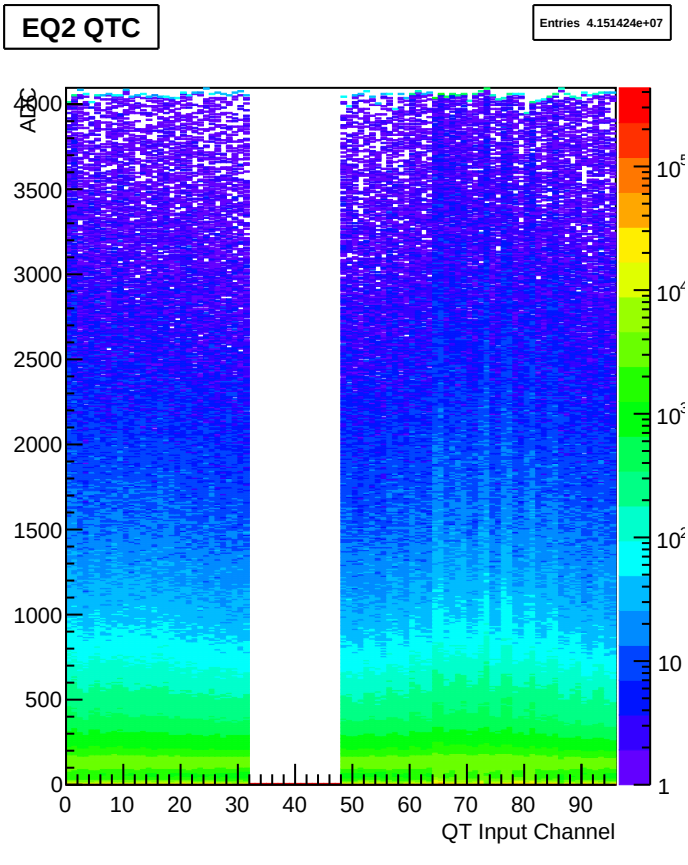

EQ1 QTB
Entries 4.189013e+07
TDC
QT Input Channel

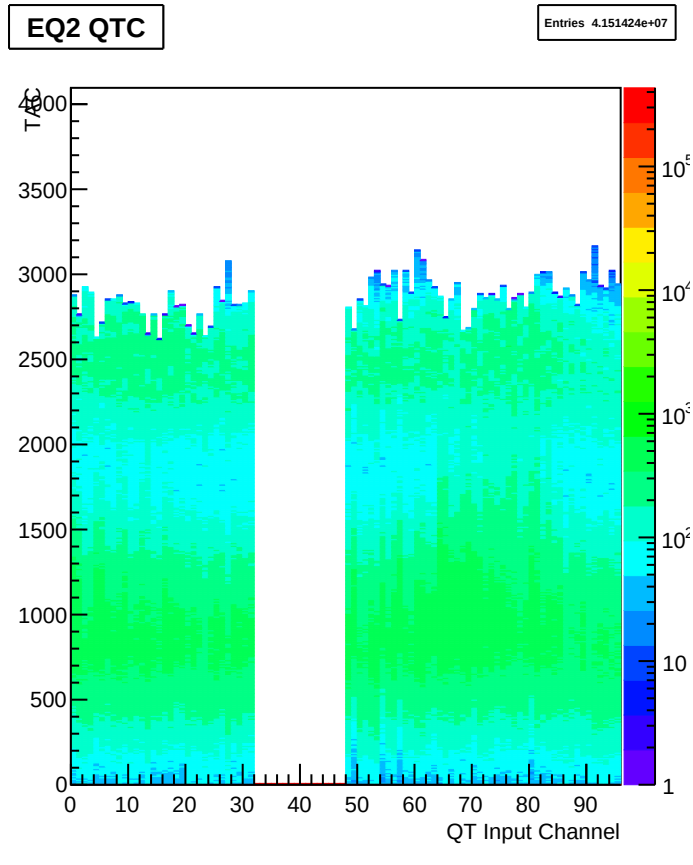

EQ1 QTC
Entries 4.151424e+07
ADC
QT Input Channel

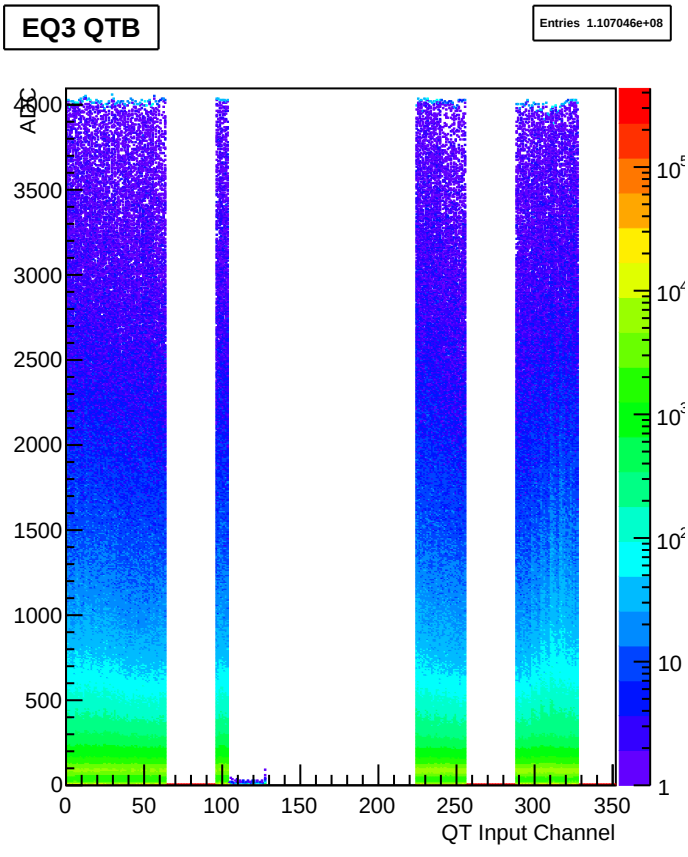

EQ1 QTC
Entries 4.151424e+07
TADC
QT Input Channel

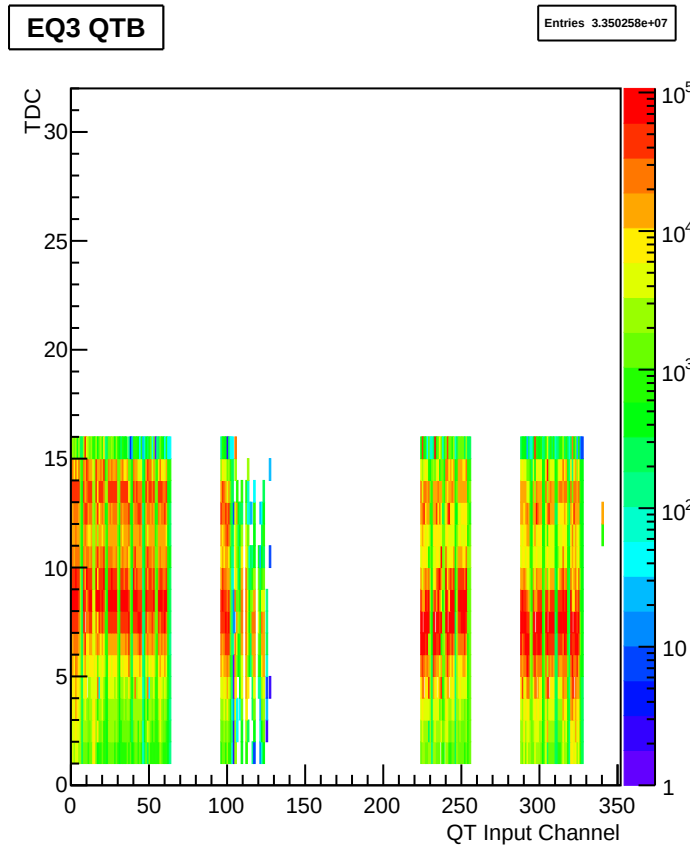

EQ2 QTB
Entries 1.245427e+08
ADC
QT Input Channel

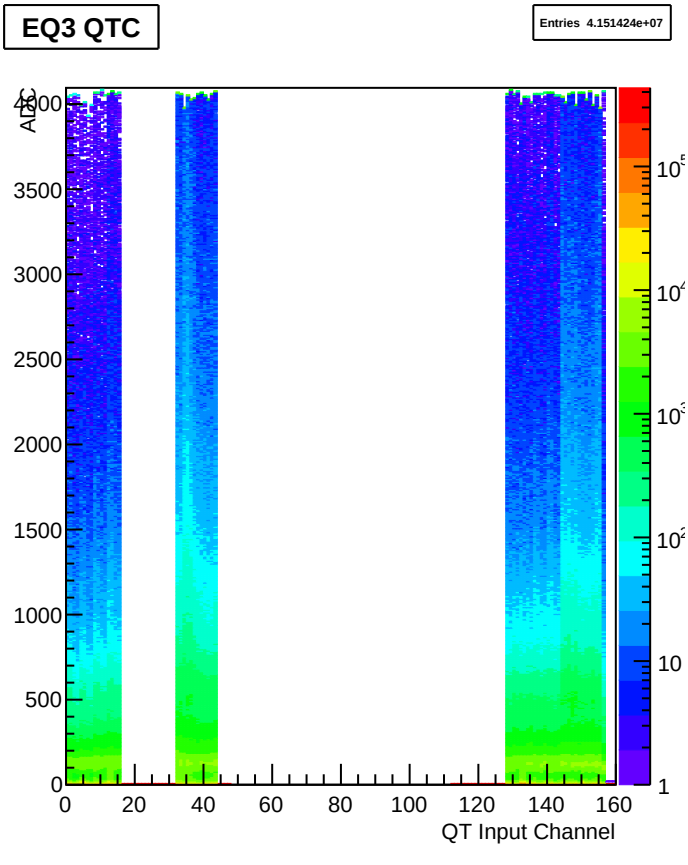

EQ2 QTB
Entries 4.094522e+07
TDC
QT Input Channel

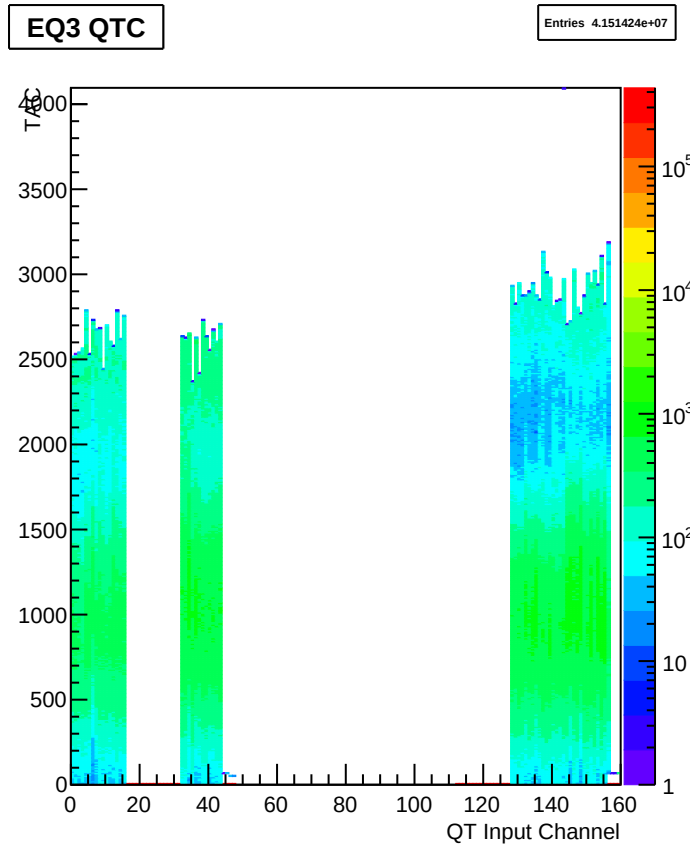

EQ2 QTC
Entries 4.151424e+07
ADC
QT Input Channel

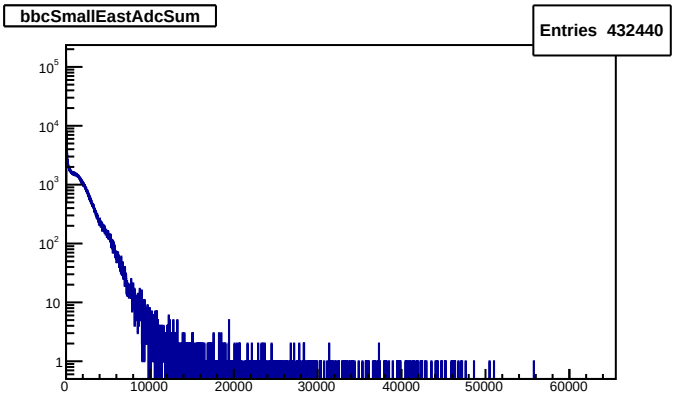

EQ2 QTC
Entries 4.151424e+07
TADC
QT Input Channel

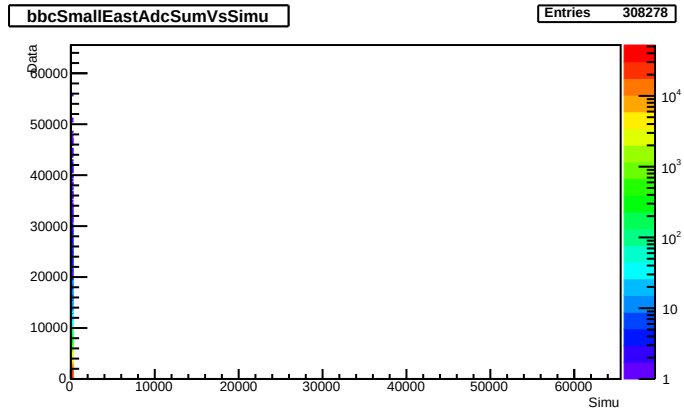

EQ3 QTB
Entries 1.107046e+08
ADC
QT Input Channel

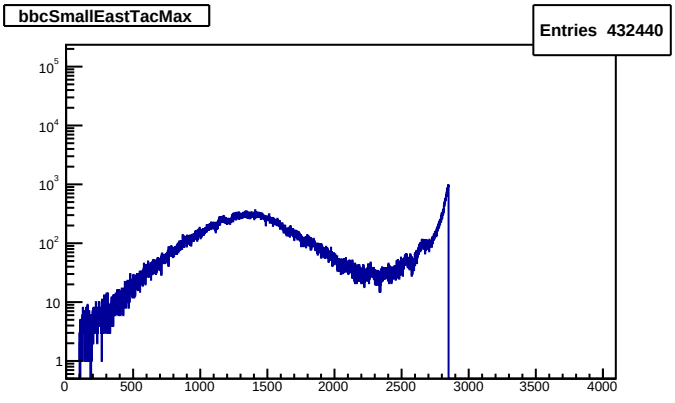

EQ3 QTB
Entries 3.350258e+07
TDC
QT Input Channel

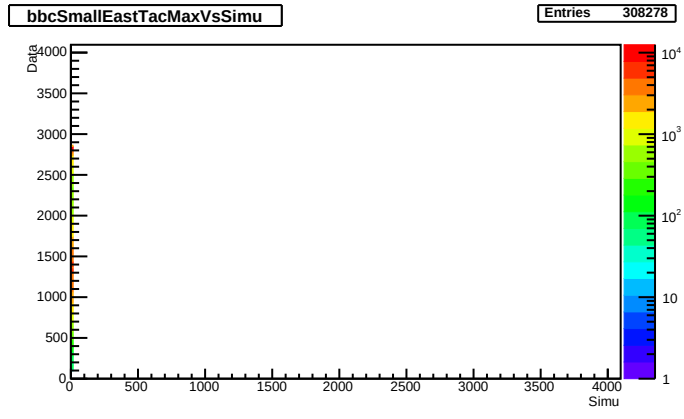

EQ3 QTC
Entries 4.151424e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.151424e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 432440


bbcSmallEastAdcSumVsSimu
Entries 308278
Data
Simu


bbcSmallEastTacMax
Entries 432440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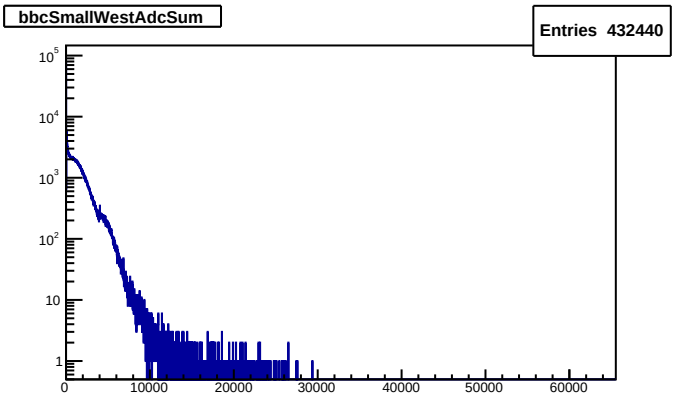
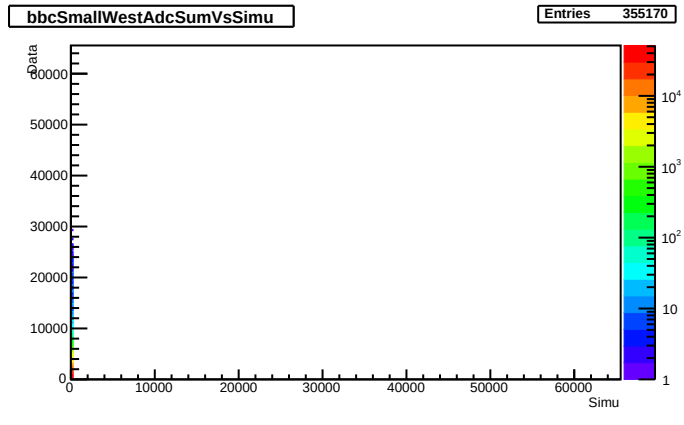
Entries 308278
Data
Simu


bbcSmallWestAdcSum
Entries 432440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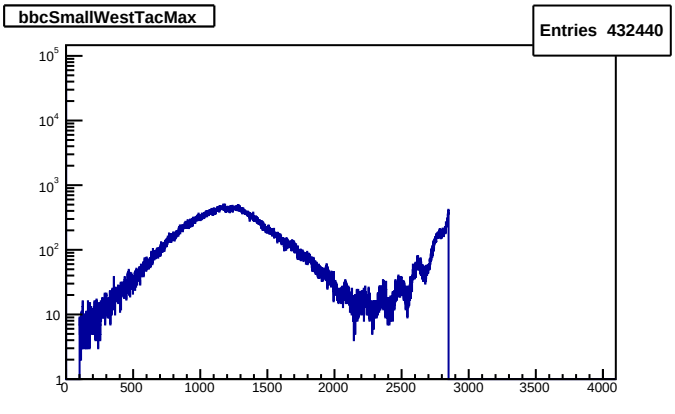
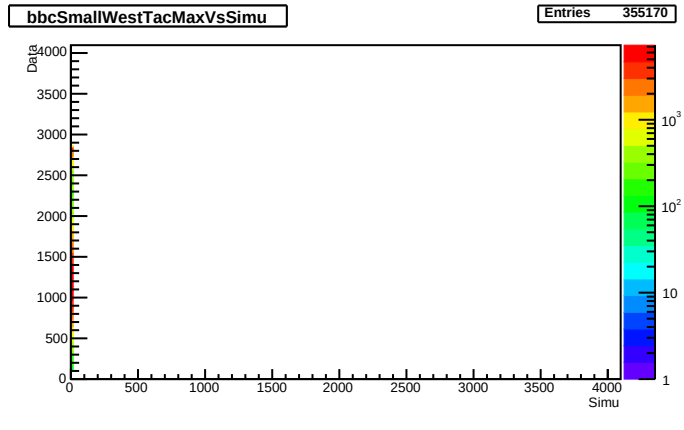
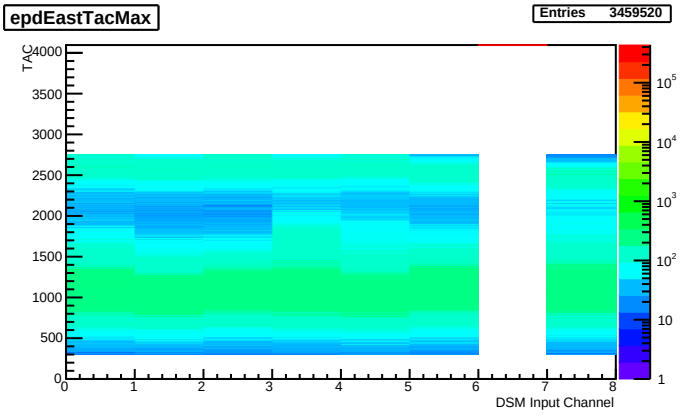
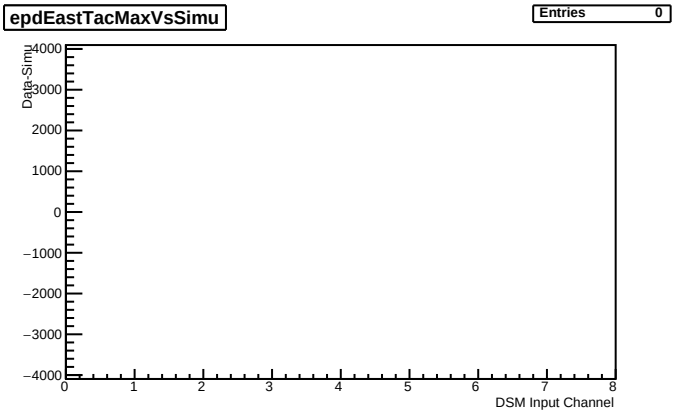
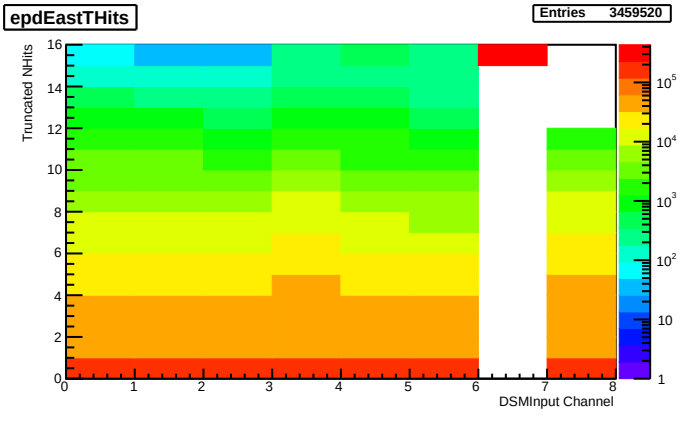
Entries 355170
Data
Simu

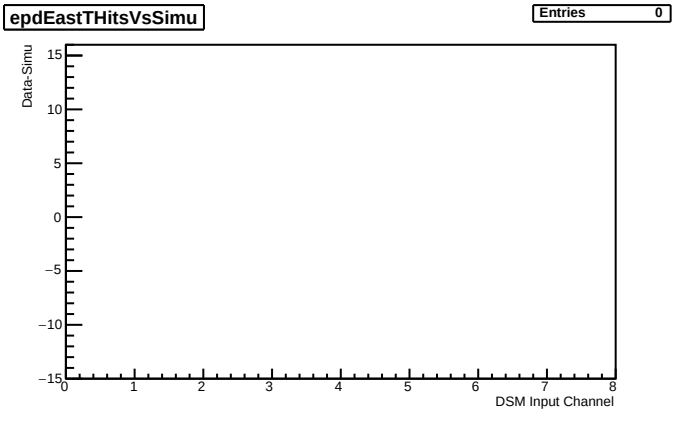

bbcSmallWestTacMax
Entries 432440


bbcSmallWestTacMaxVsSimu
Entries 355170
Data
Simu


epdEastTacMax
Entries 3459520
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3459520
Truncated NHits
DSMInput Channel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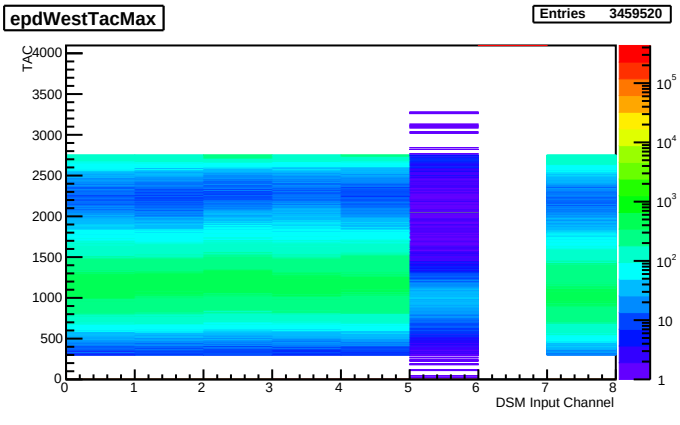
Data-Simu
DSM Input Channel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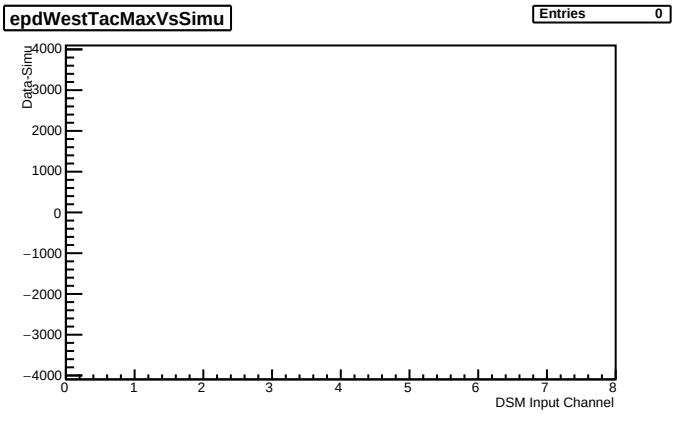
Entries 3459520
TAC
DSM Input Channel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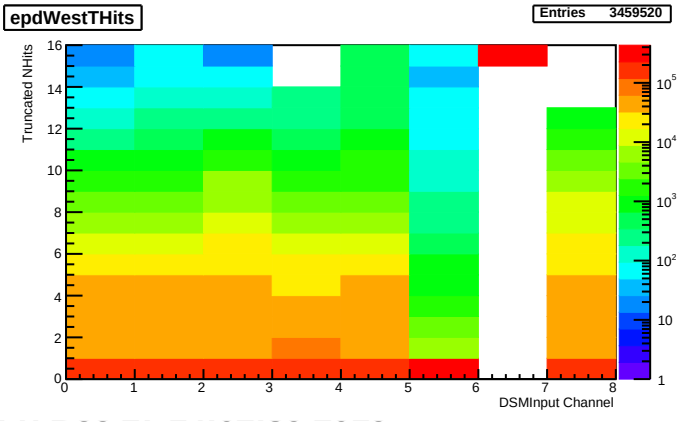
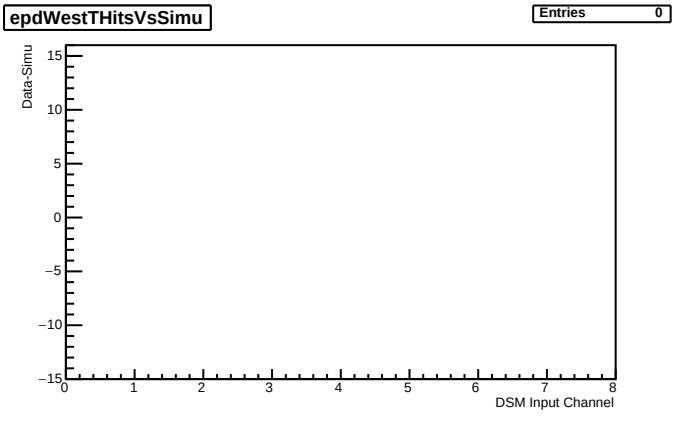
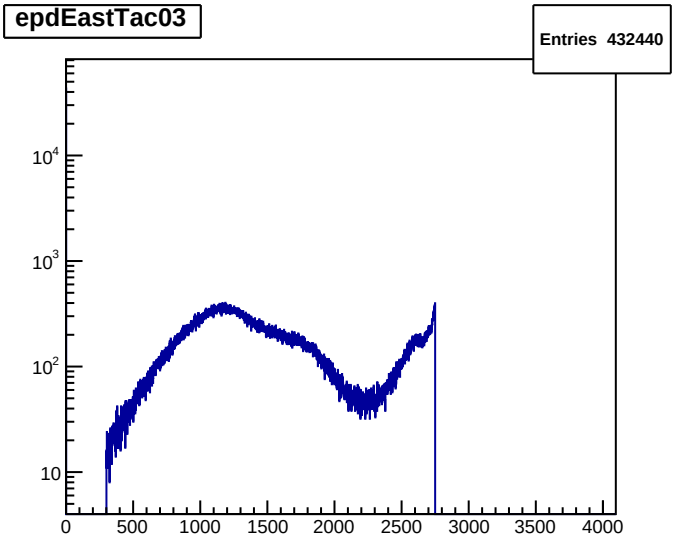
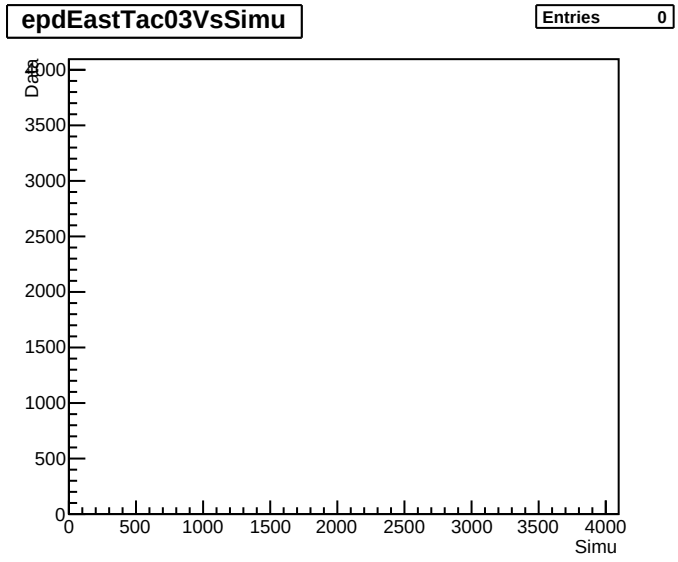
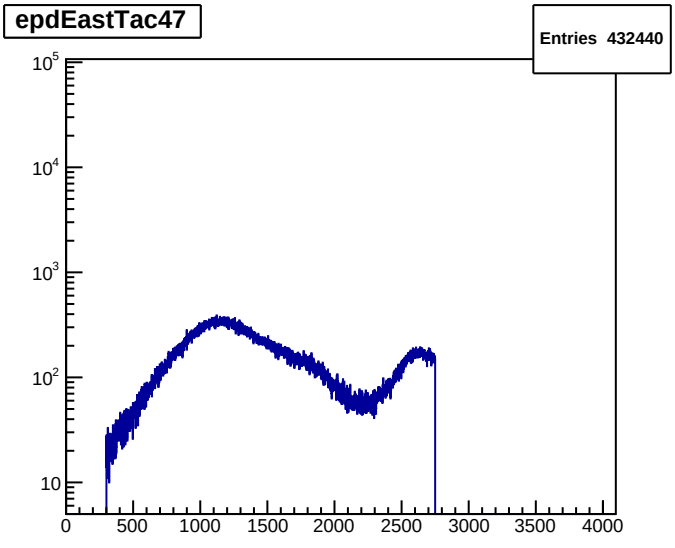
Entries 0
Data-Simu
DSM Input Channel

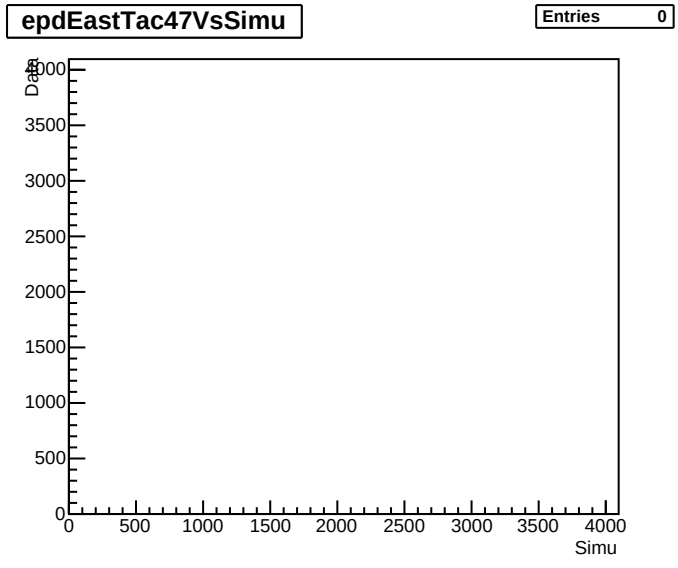

epdWestTHits
Entries 3459520
Truncated NHits
DSMInput Channel

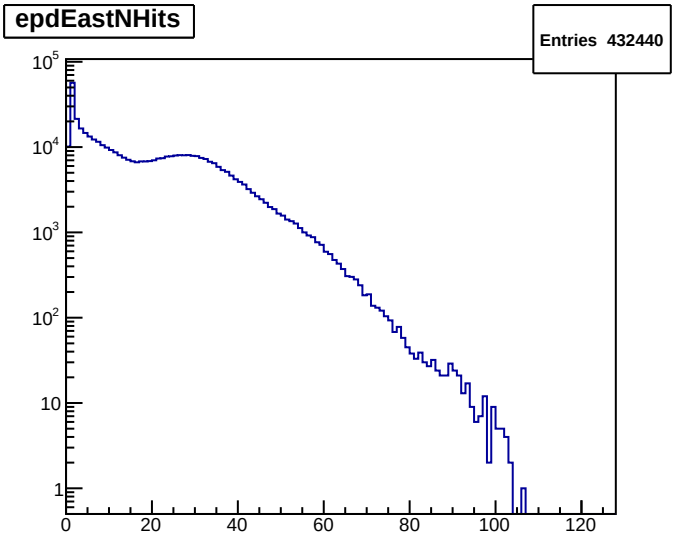

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

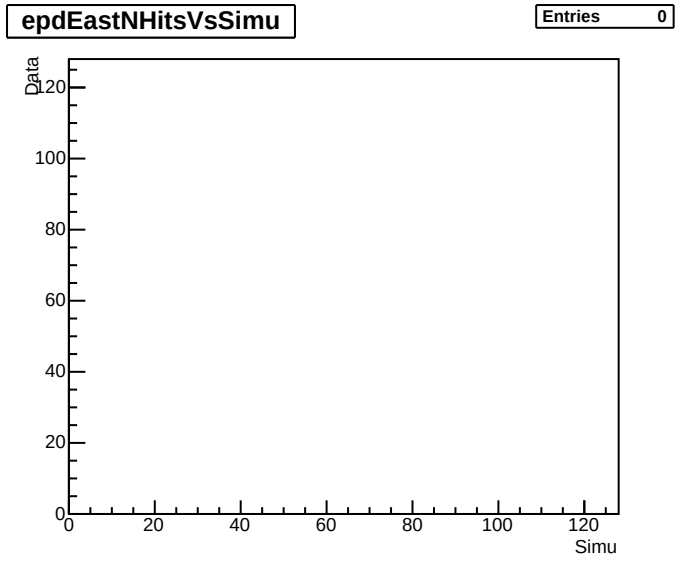

epdEastTac03
Entries 432440


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 432440


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 432440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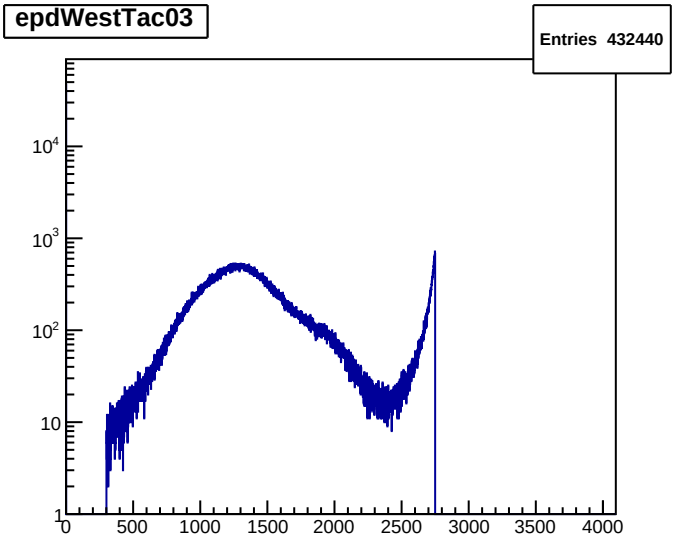
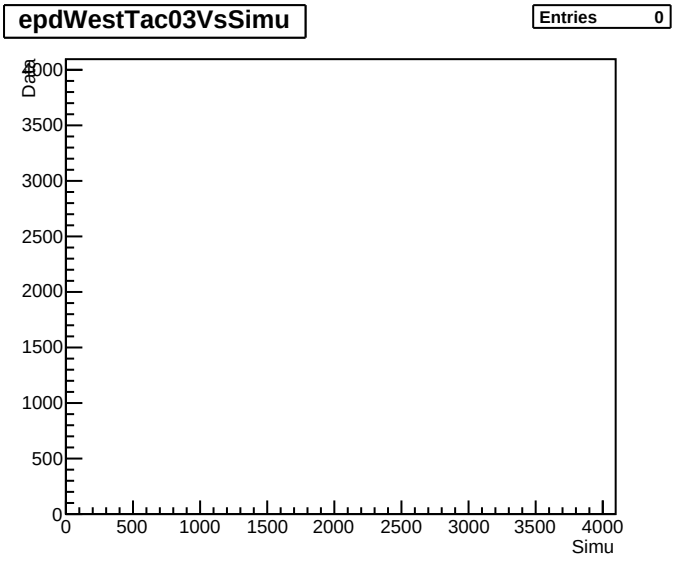
Entries 0
Data
Simu


epdWestTac03
Entries 432440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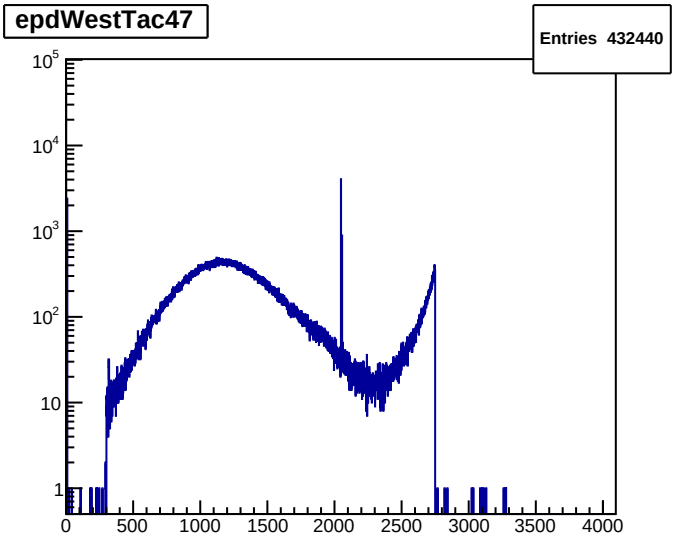
Entries 0
Data
Simu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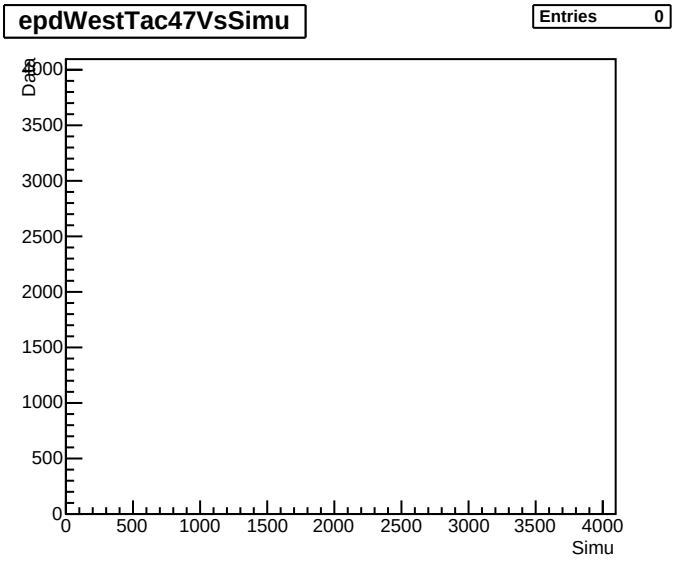
Entries 432440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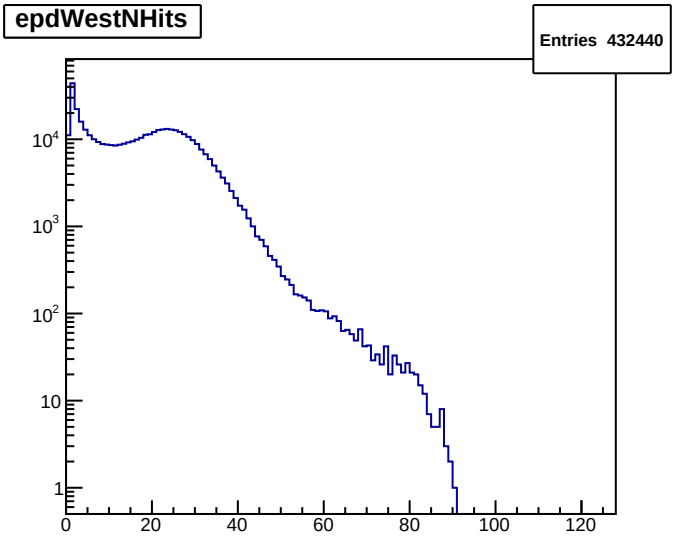
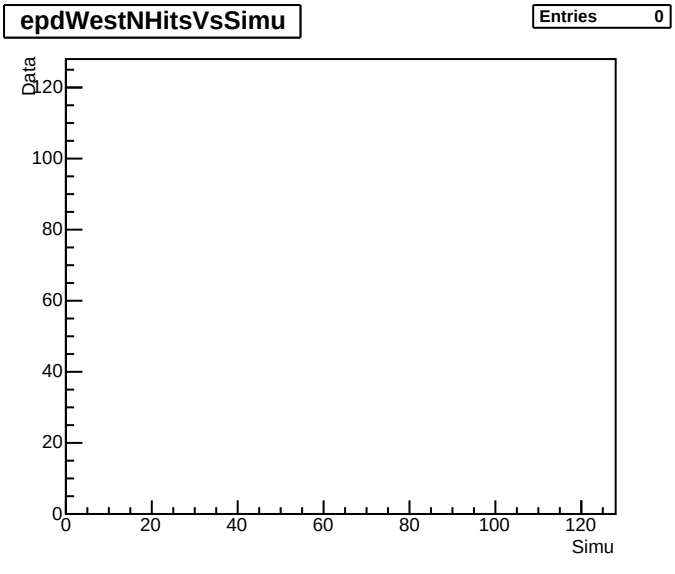
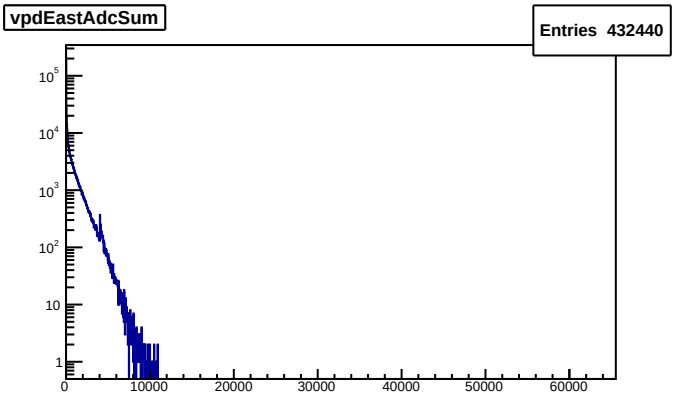
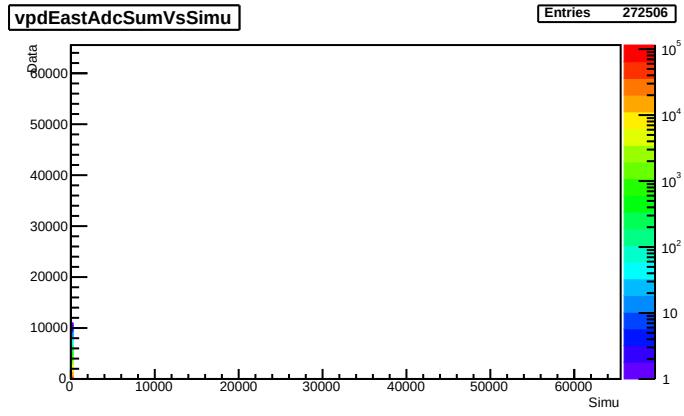
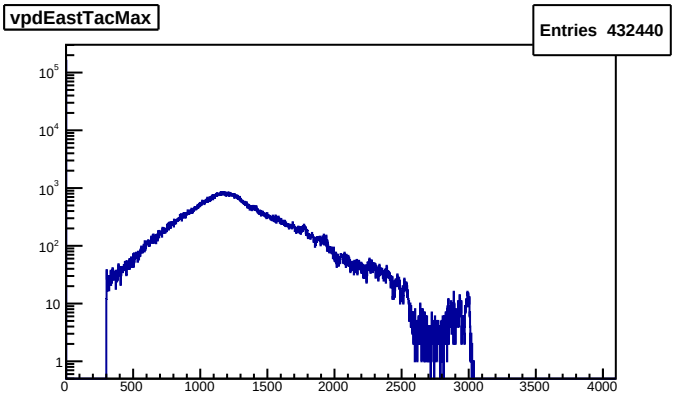
Entries 0
Data
Simu

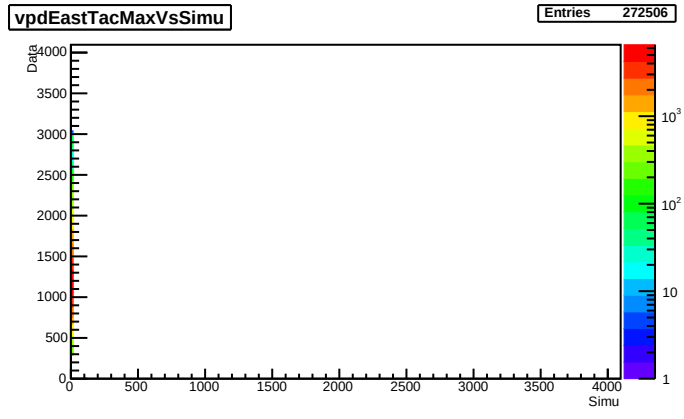

epdWestNHits
Entries 432440

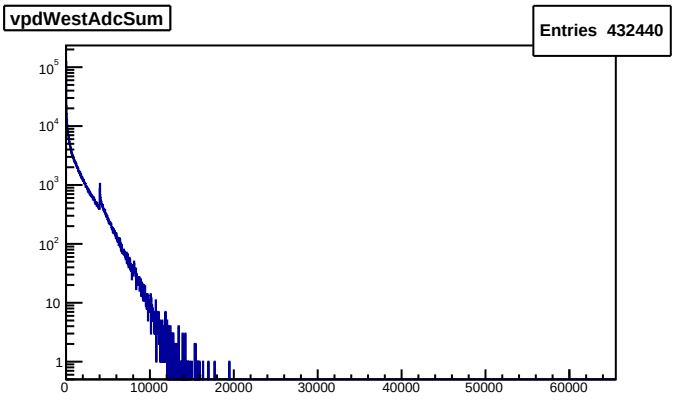

epdWestNHitsVsSimu
Entries 0
Data
Simu

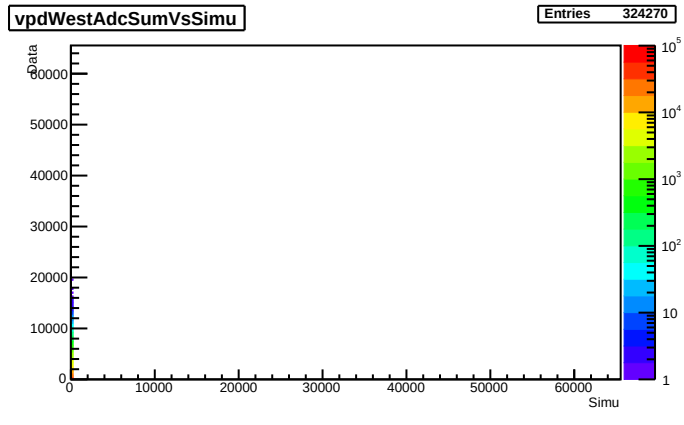

vpdEastAdcSum
Entries 432440

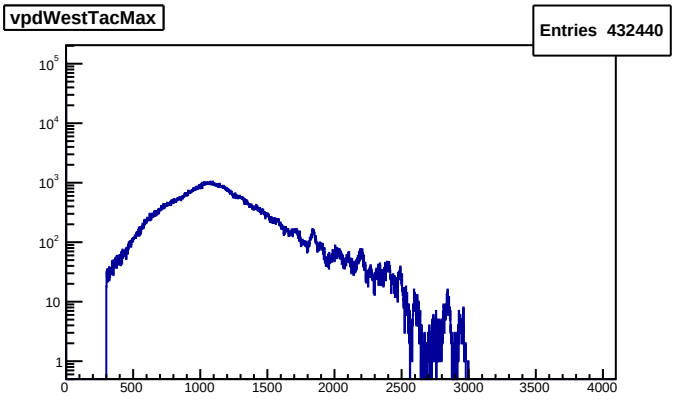

vpdEastAdcSumVsSimu
Entries 272506
Data
Simu

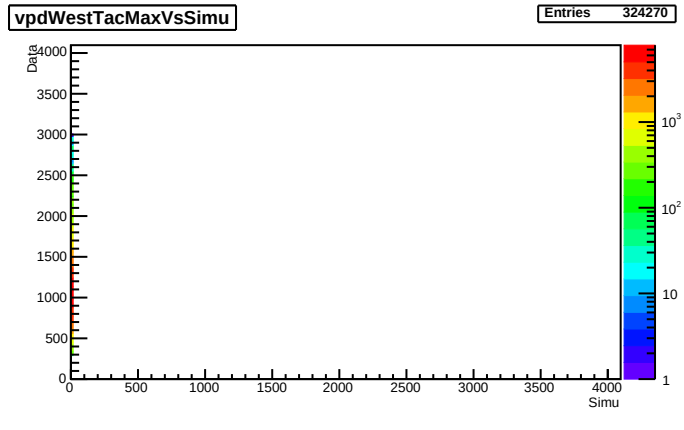

vpdEastTacMax
Entries 432440

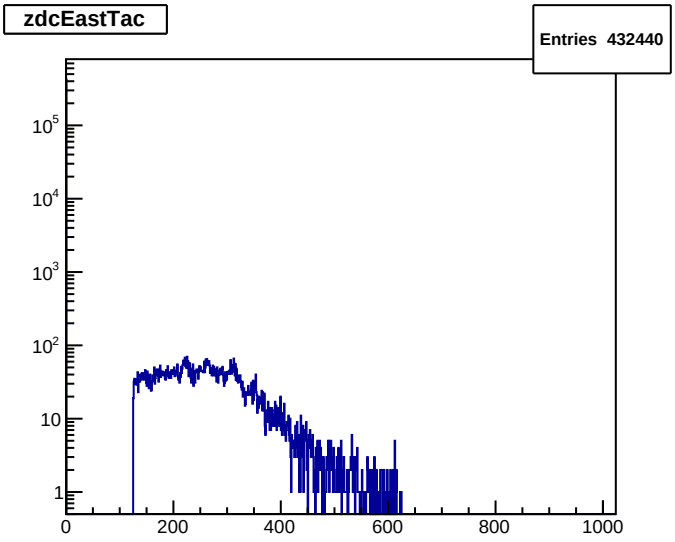

vpdEastTacMaxVsSimu
Entries 272506
Data
Simu

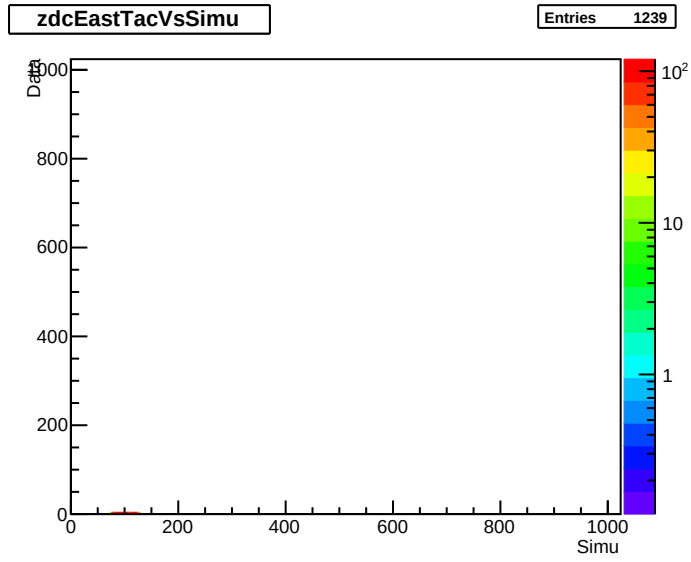

vpdWestAdcSum
Entries 432440

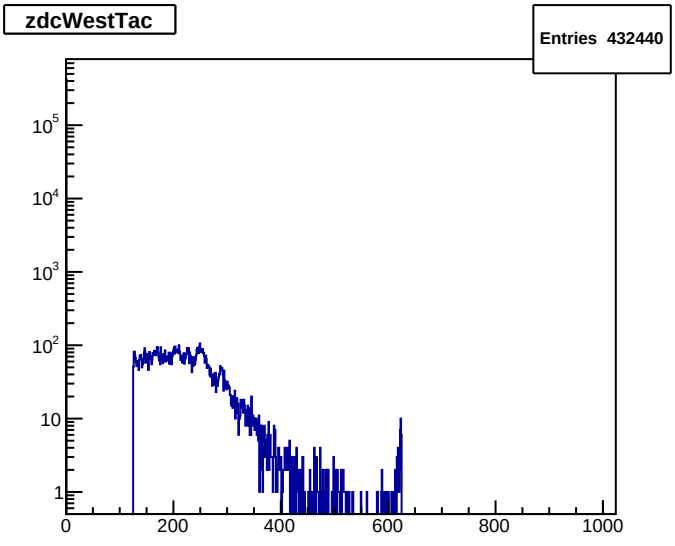

vpdWestAdcSumVsSimu
Entries 324270
Data
Simu

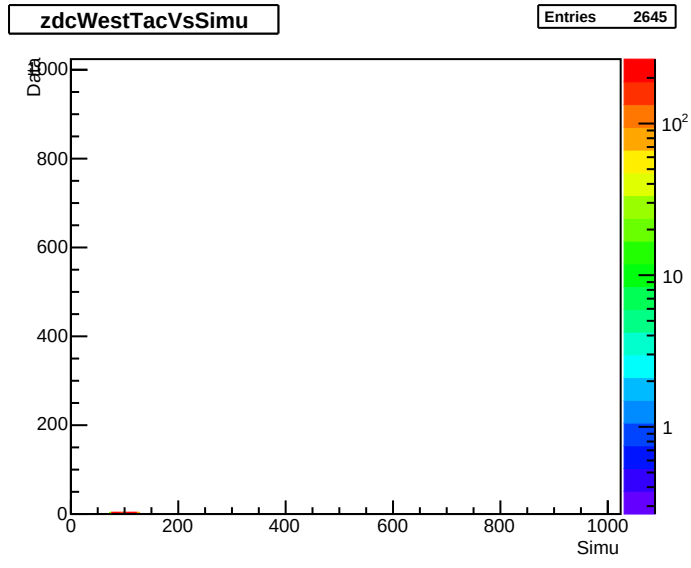

vpdWestTacMax
Entries 432440

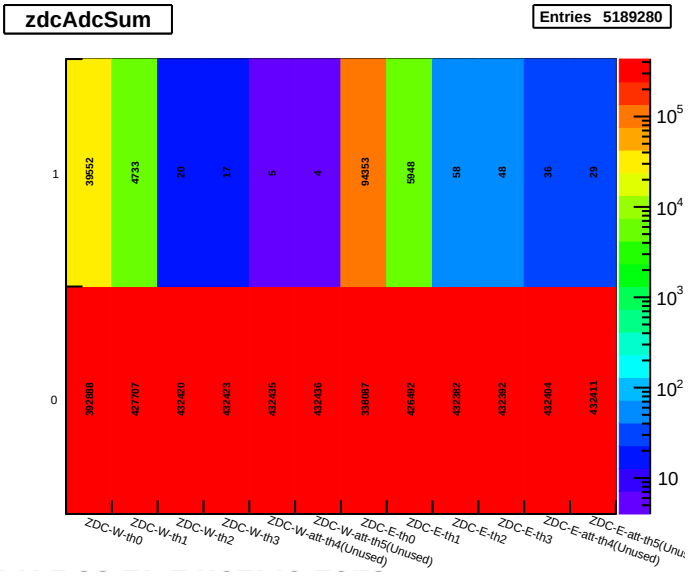

vpdWestTacMaxVsSimu
Entries 324270
Data
Simu

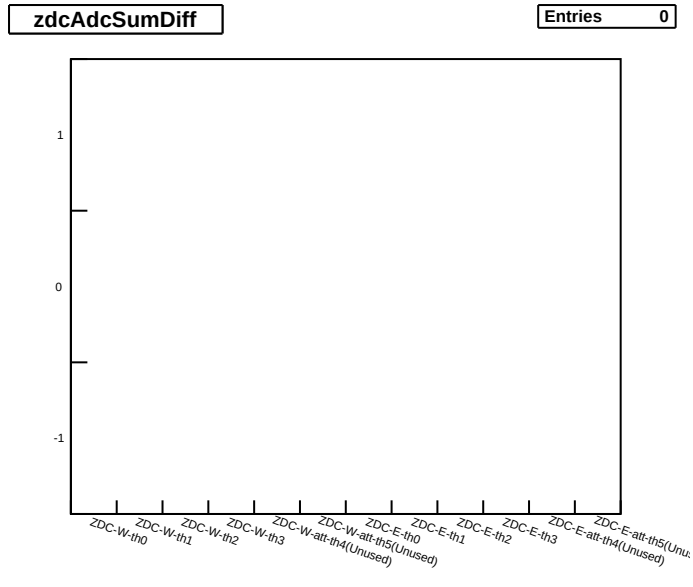

zdcEastTac
Entries 432440

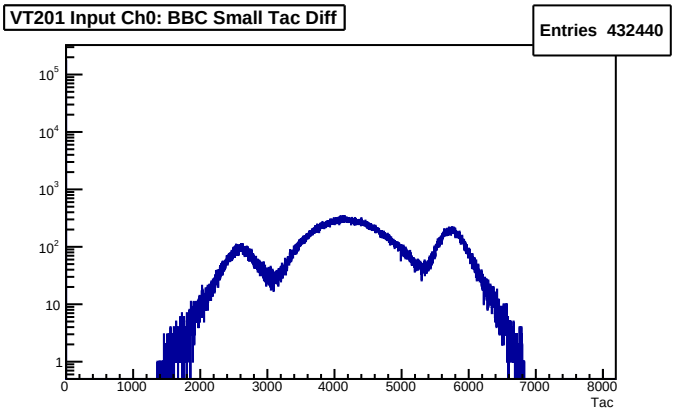

zdcEastTacVsSimu
Entries 1239
Data
Simu

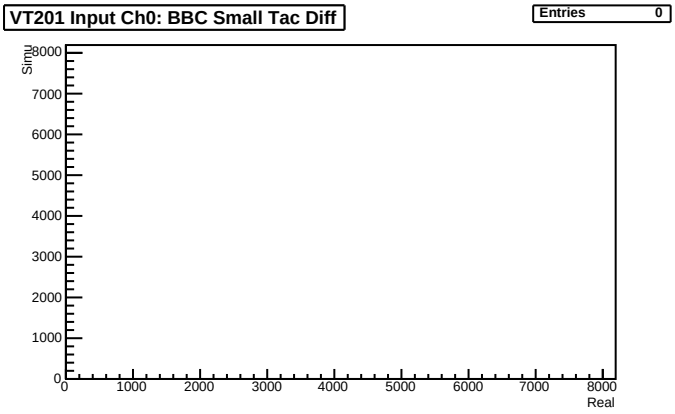

zdcWestTac
Entries 432440

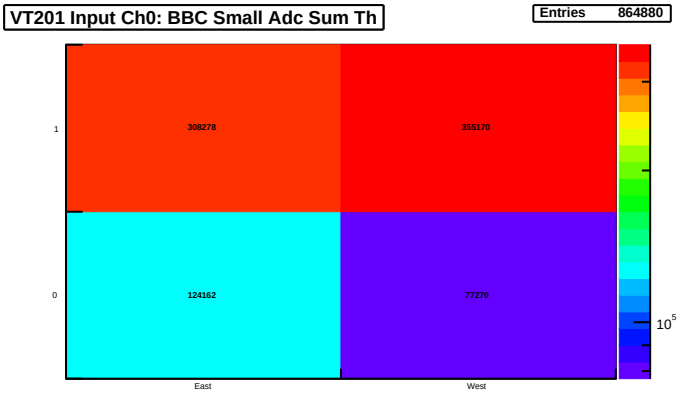

zdcWestTacVsSimu
Entries 2645
Data
Simu

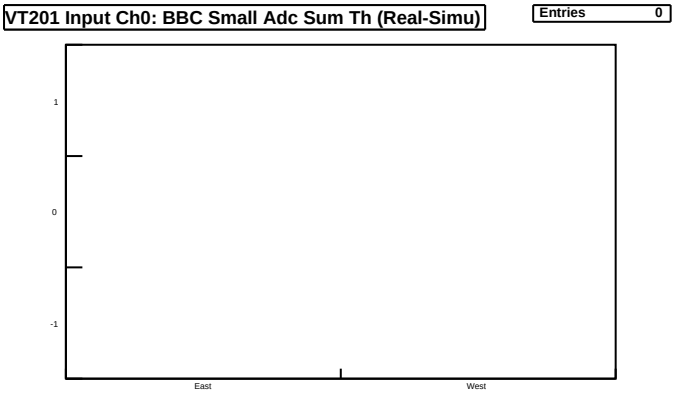

zdcAdcSum
Entries 5189280
39552
4733
20
17
5
4
94353
5948
58
48
36
29
392888
427707
432420
432423
432435
432436
338087
426492
432382
432392
432404
432411
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

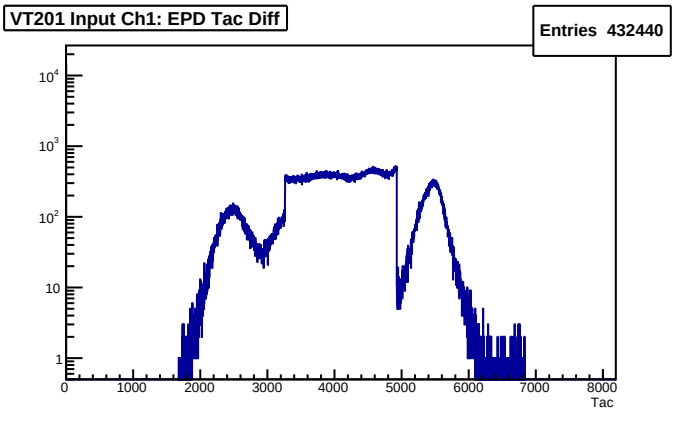

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

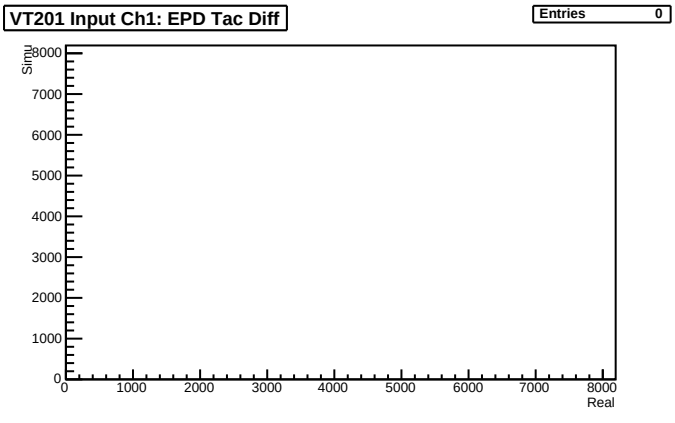

VT201 Input Ch0: BBC Small Tac Diff
Entries 432440
Tac

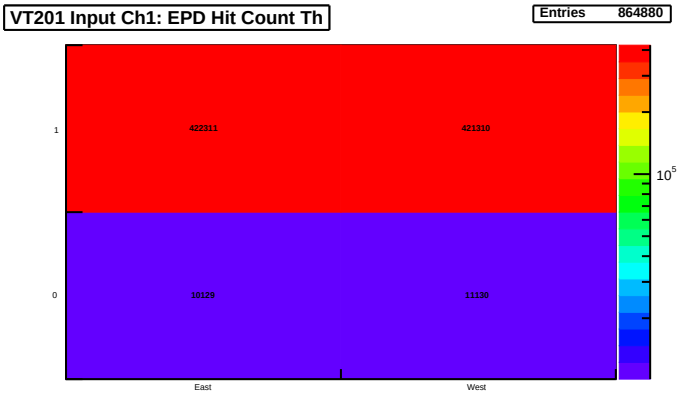

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

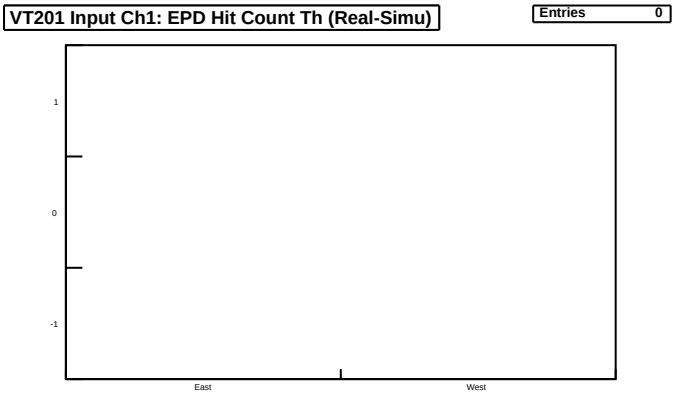

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 864880
308278
355170
124162
77270
East
West

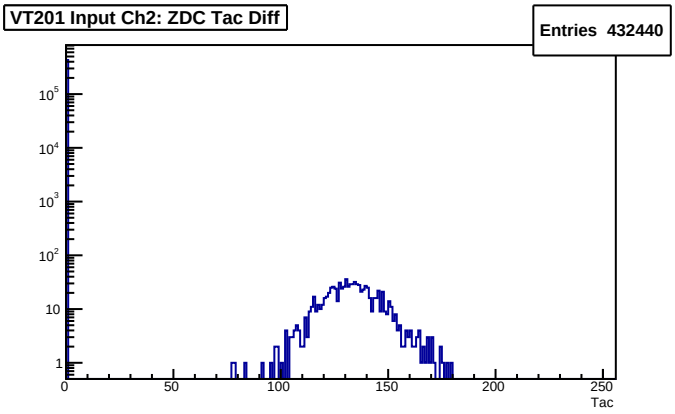

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

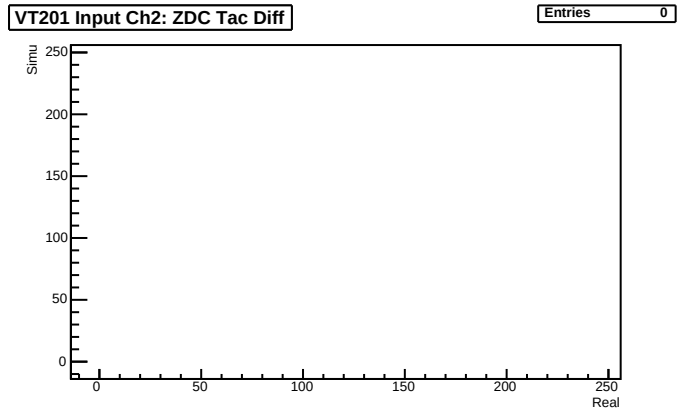

VT201 Input Ch1: EPD Tac Diff
Entries 432440
Tac

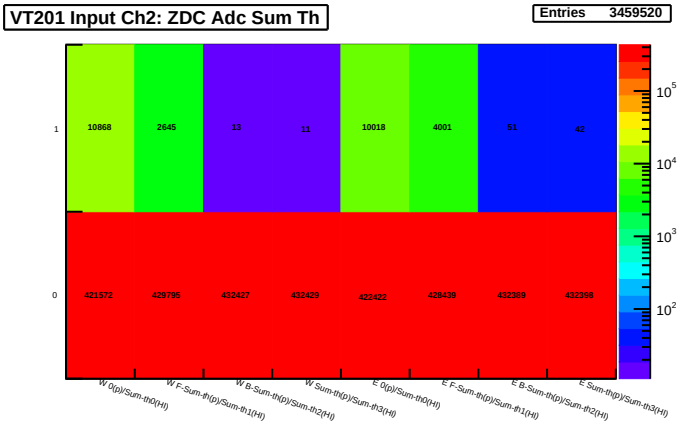

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

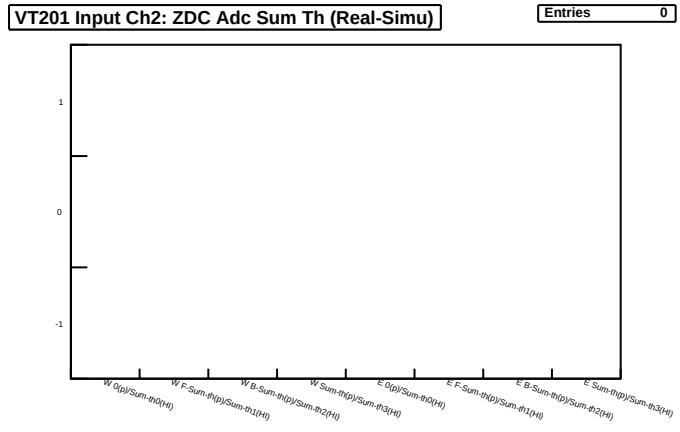

VT201 Input Ch1: EPD Hit Count Th
Entries 864880
422311
421310
10129
11130
East
West

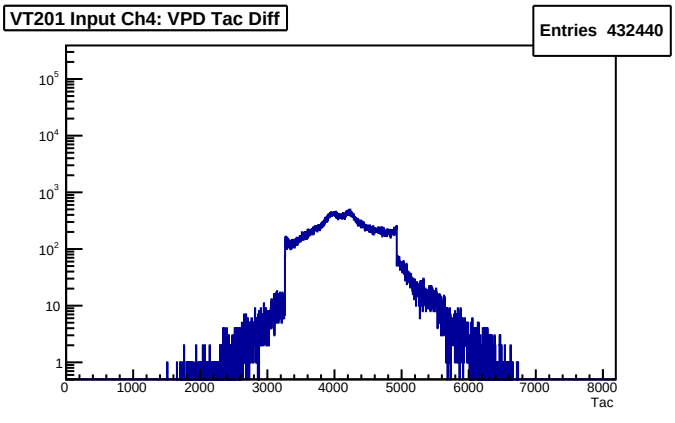

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

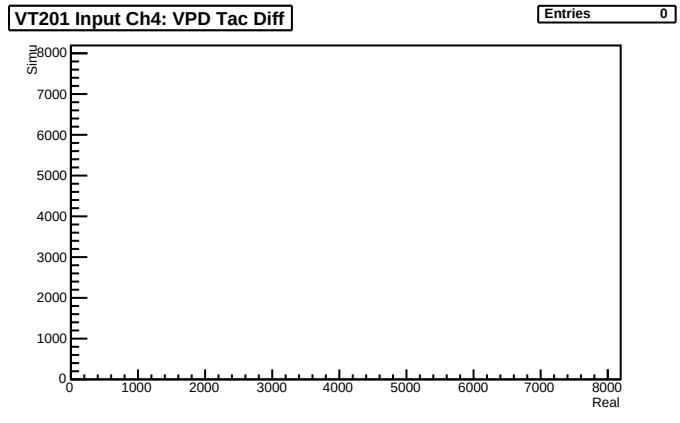

VT201 Input Ch2: ZDC Tac Diff
Entries 432440
Tac

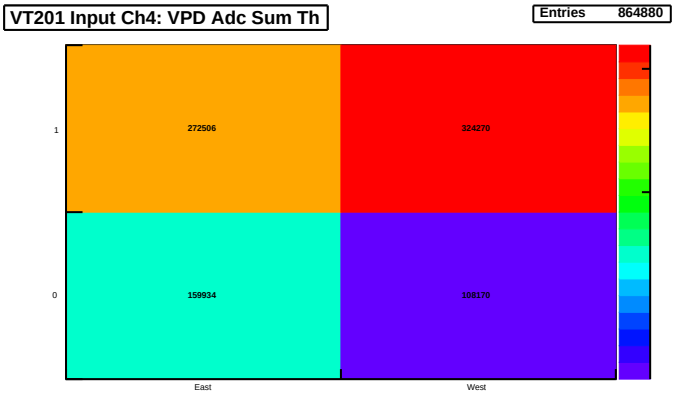

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

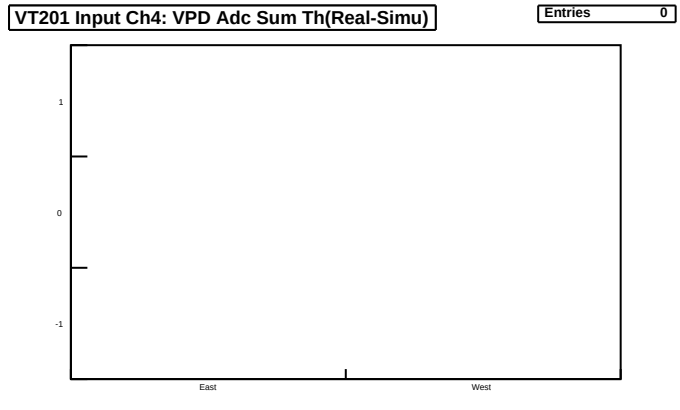

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3459520
10868
2645
13
11
10018
4001
51
42
421572
429795
432427
432429
422422
428439
432389
432398
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

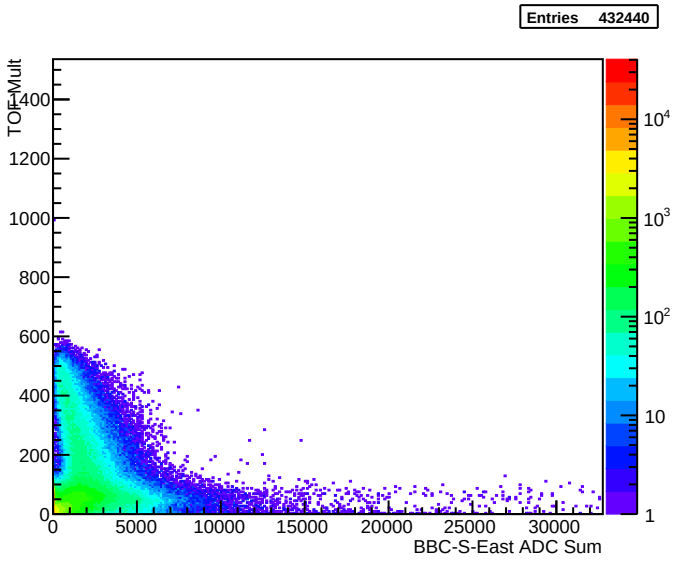

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

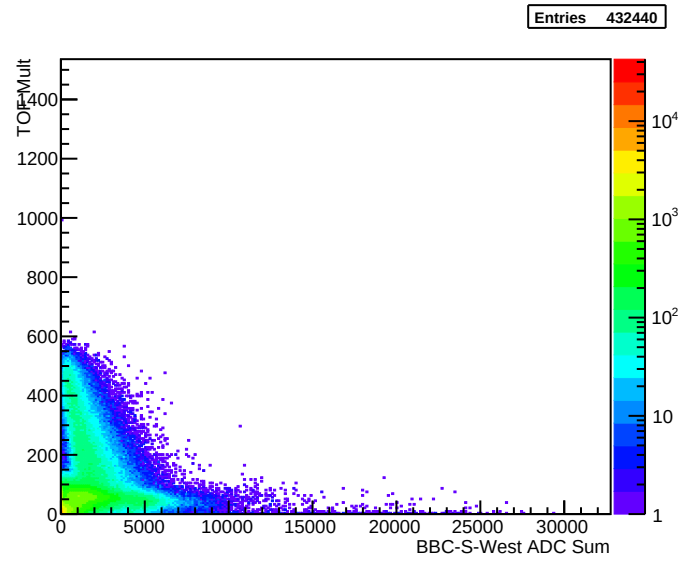

VT201 Input Ch4: VPD Tac Diff
Entries 432440
Tac

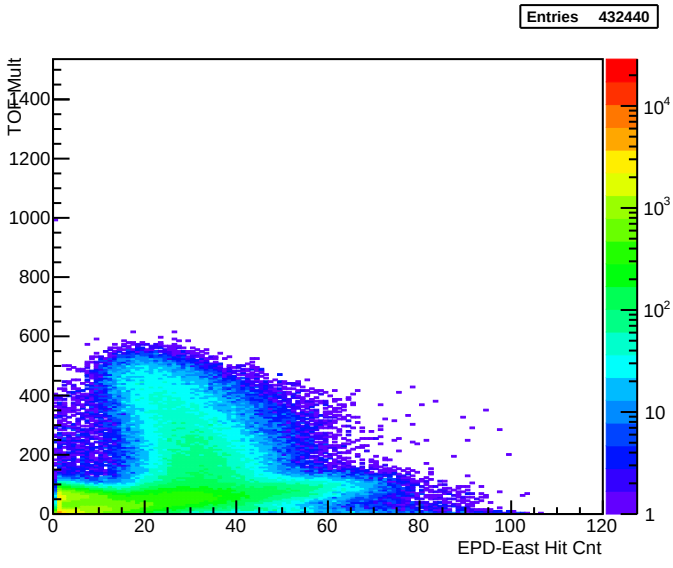

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

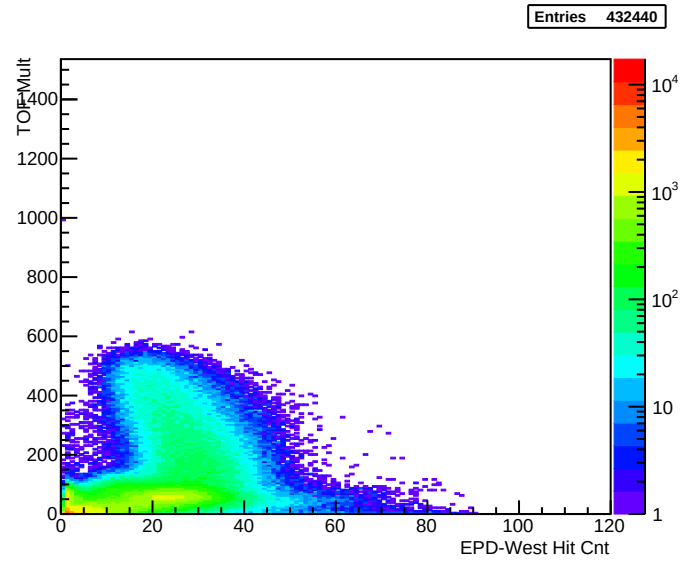

VT201 Input Ch4: VPD Adc Sum Th
Entries 864880
272506
324270
159934
108170
East
West

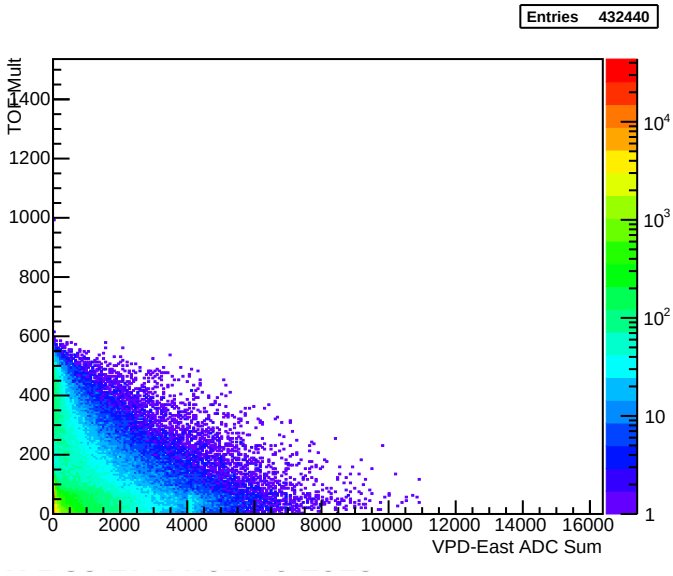

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

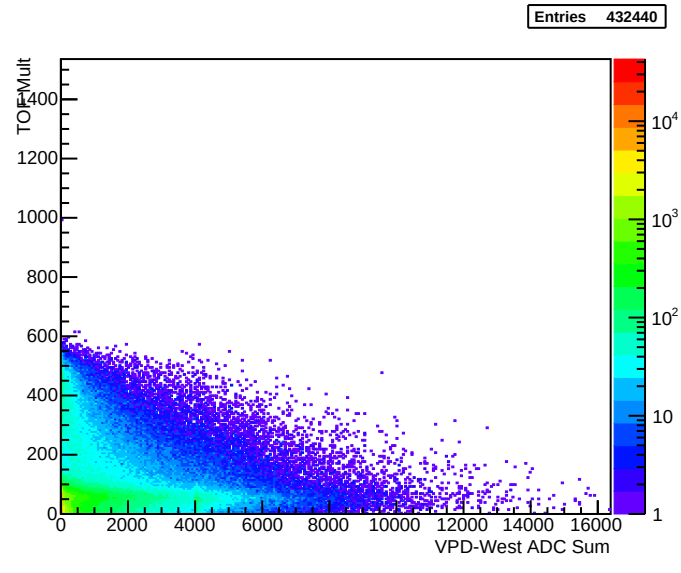

Entries 432440
TOF-Mult
BBC-S-East ADC Sum

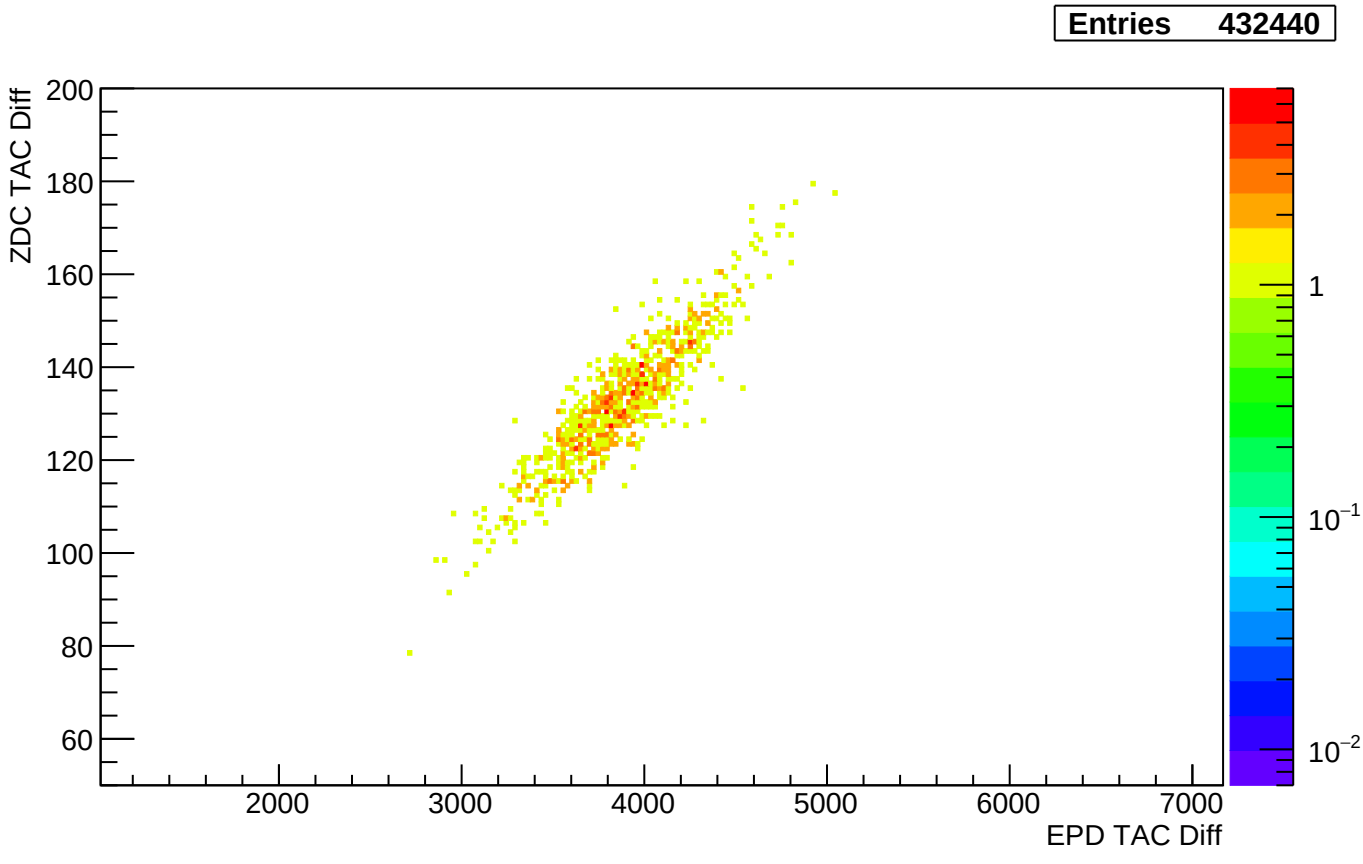

Entries 432440
TOF-Mult
BBC-S-West ADC Sum

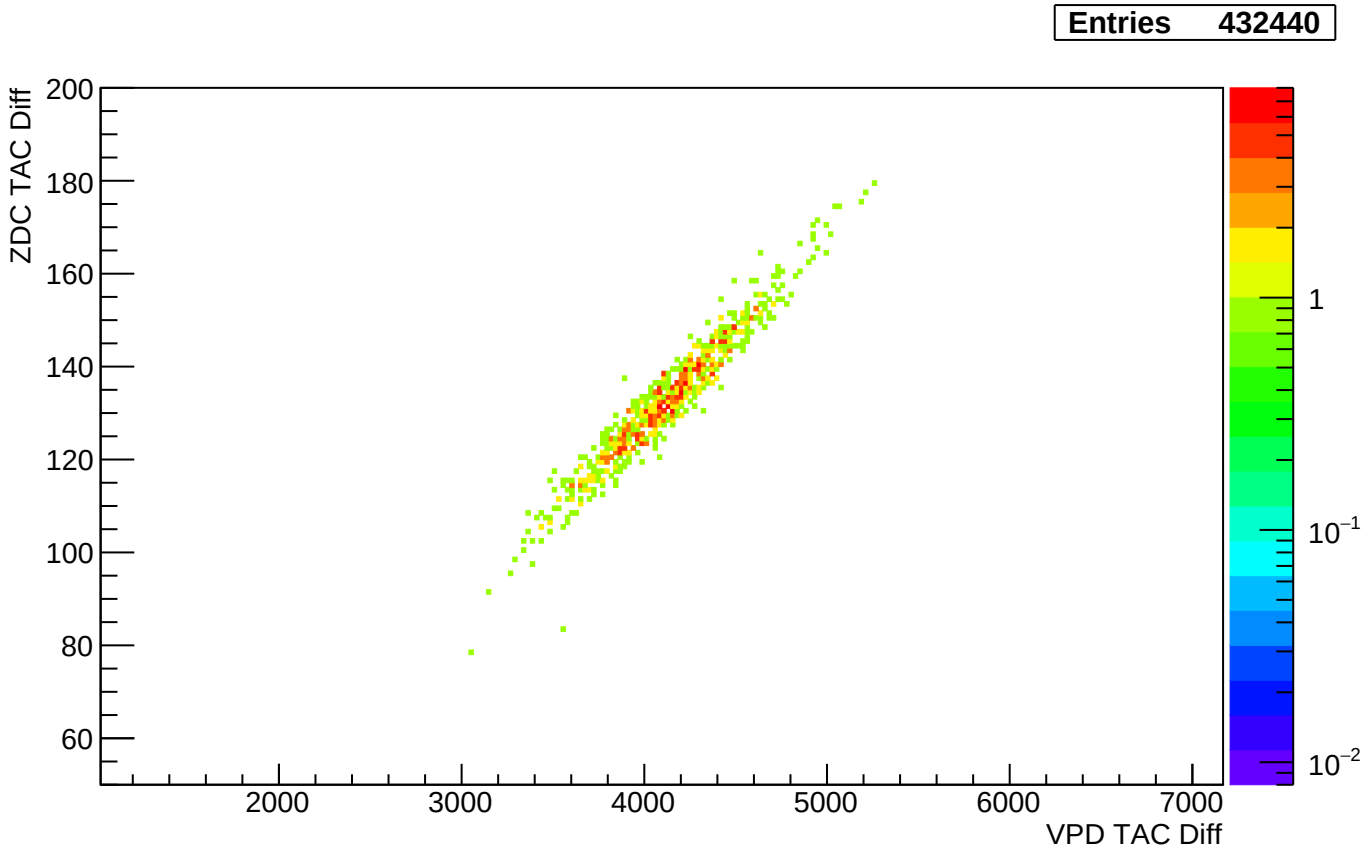

Entries 432440
TOF-Mult
EPD-East Hit Cnt

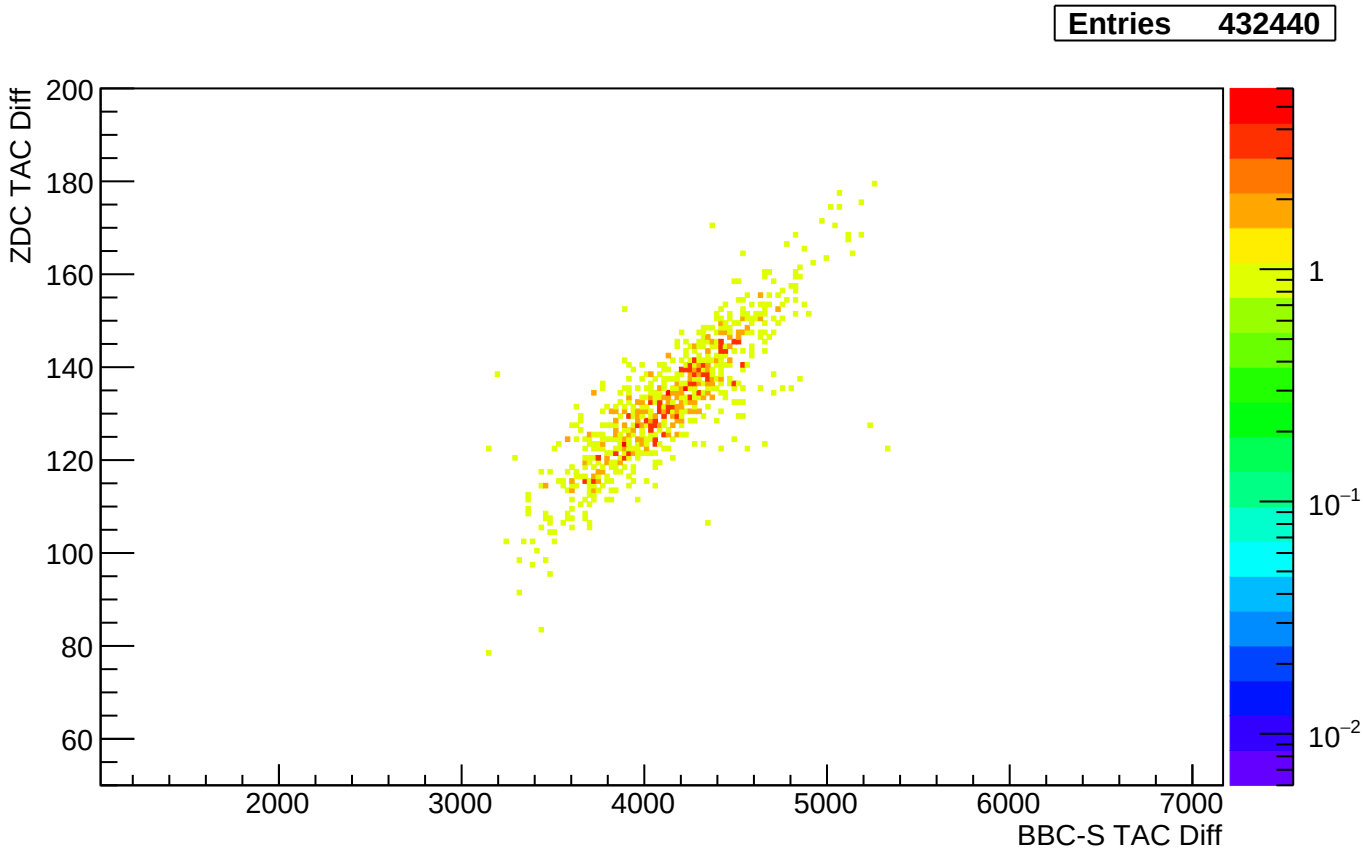

Entries 432440
TOF-Mult
EPD-West Hit Cnt

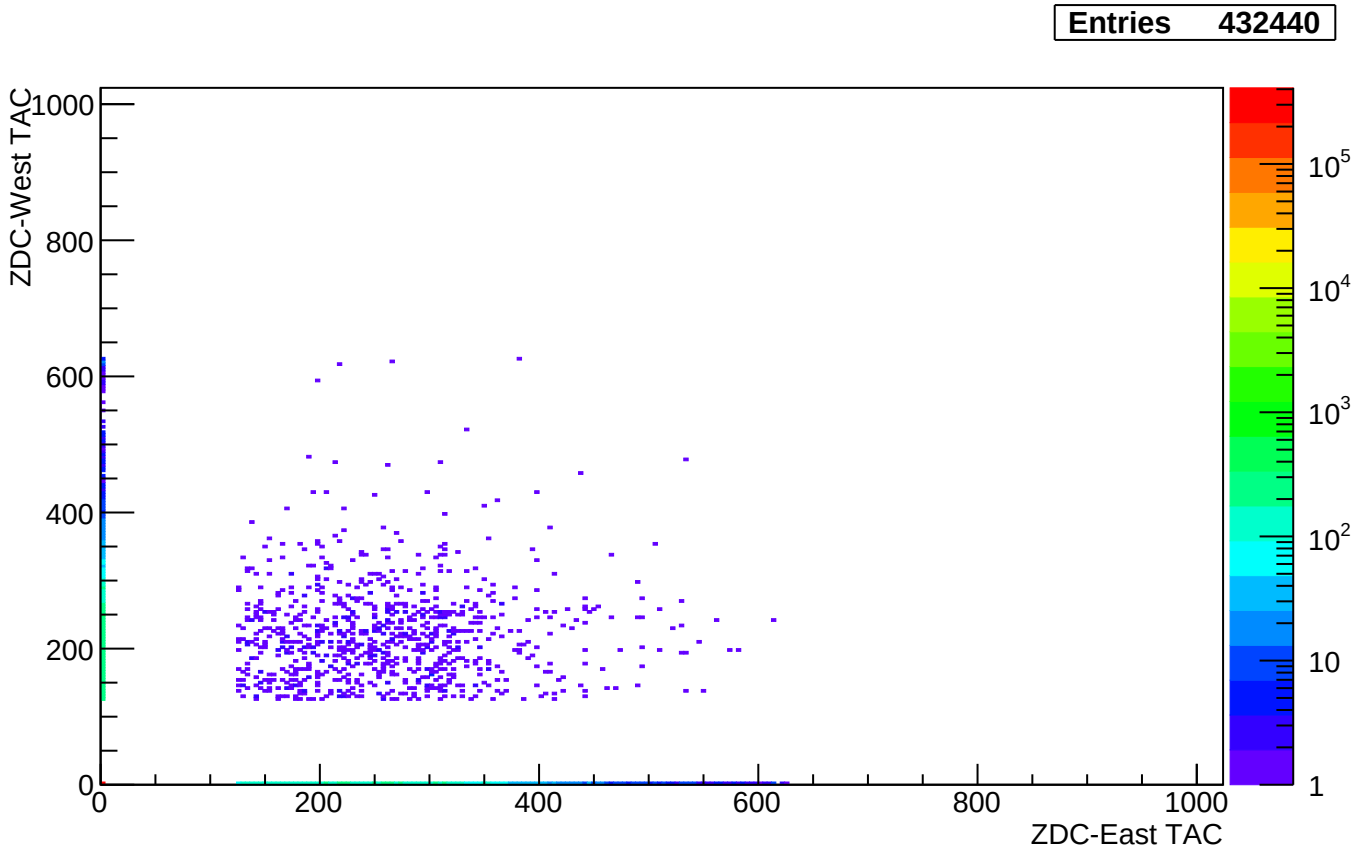

Entries 432440
TOF-Mult
VPD-East ADC Sum

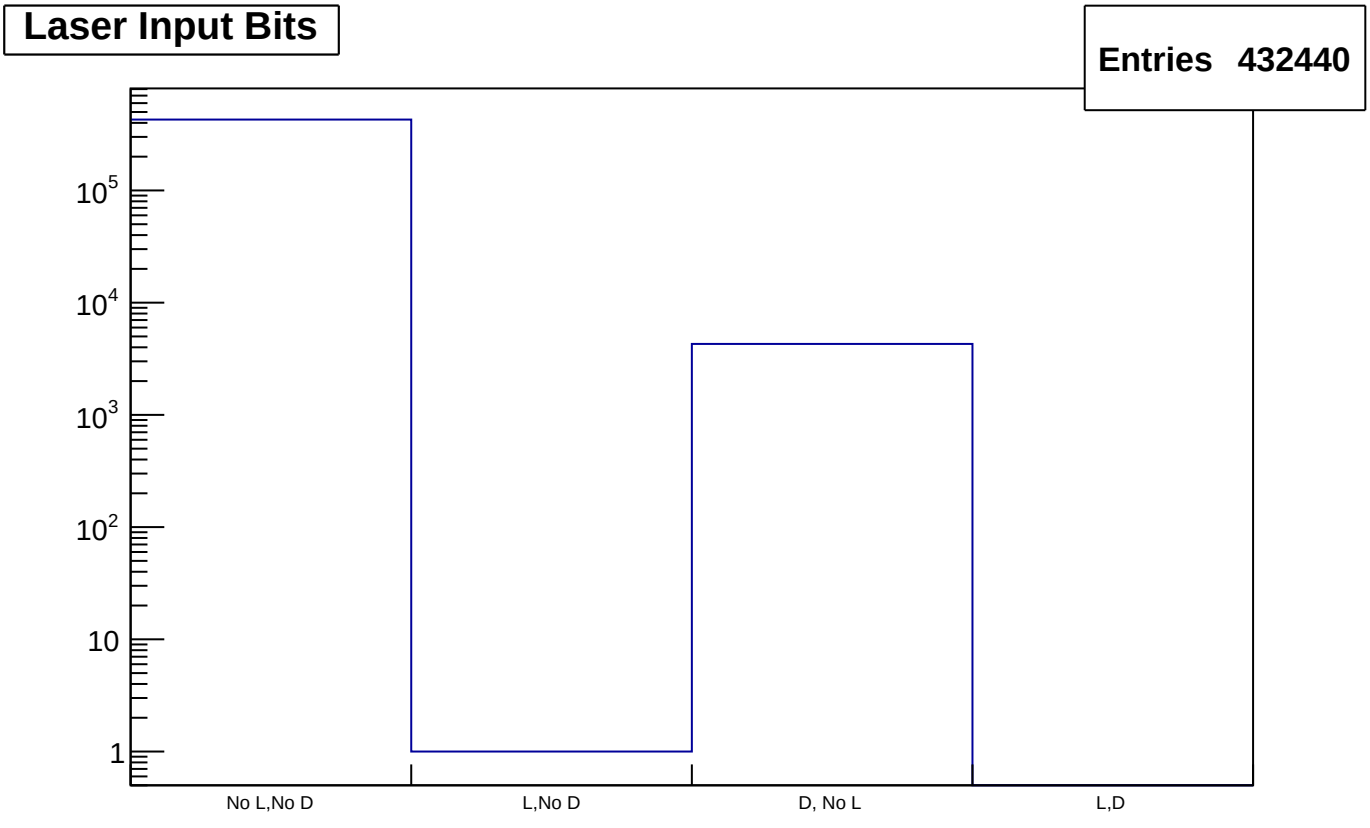

Entries 432440
TOF-Mult
VPD-West ADC Sum

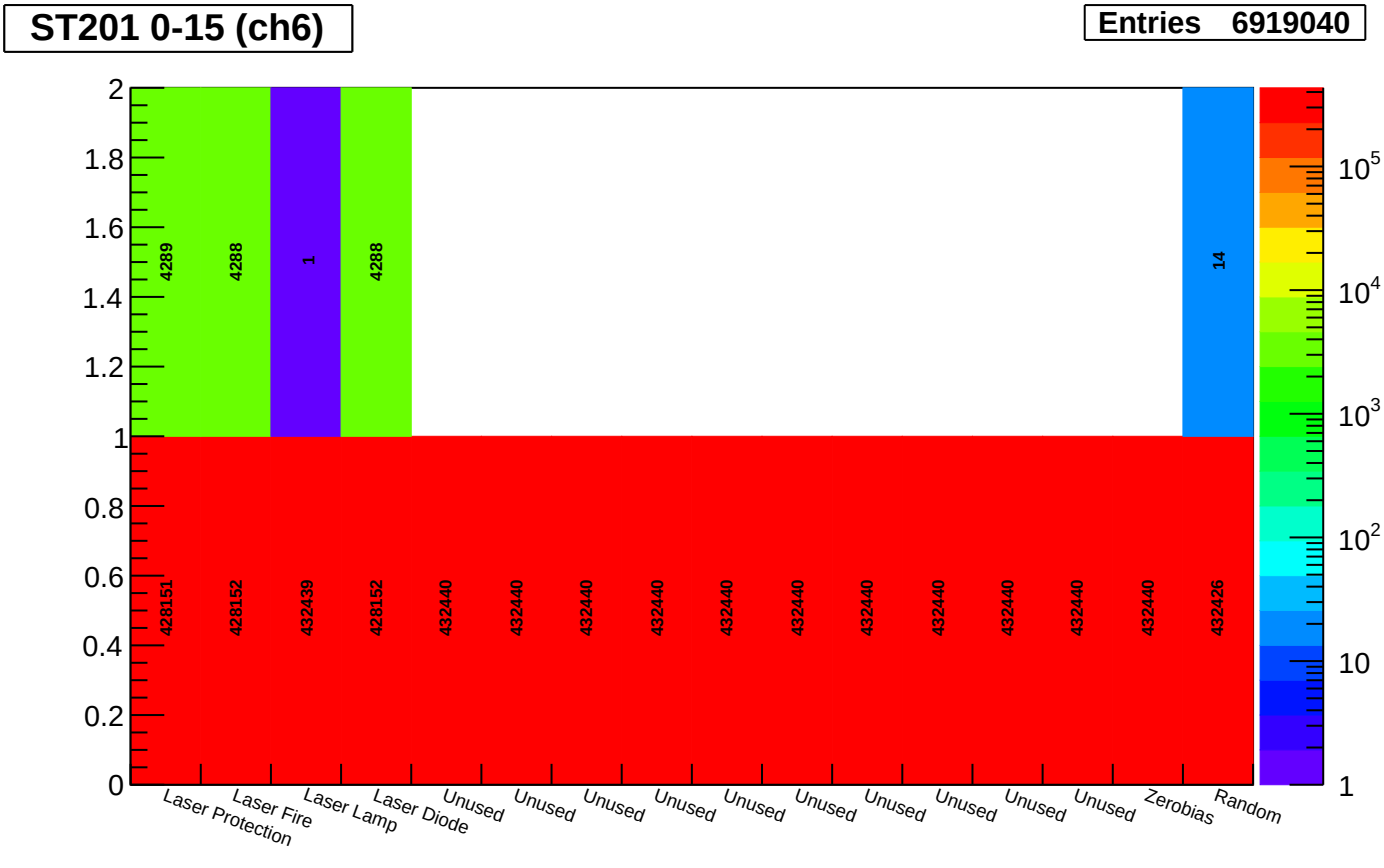

Entries 432440
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

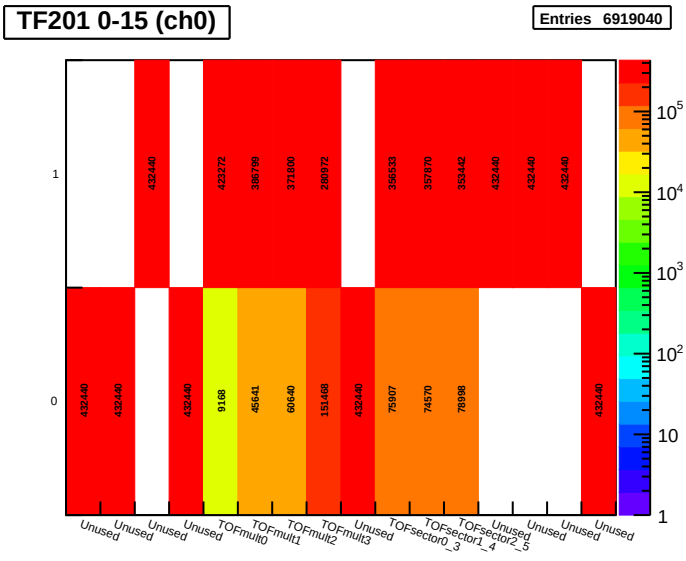

Entries 432440
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

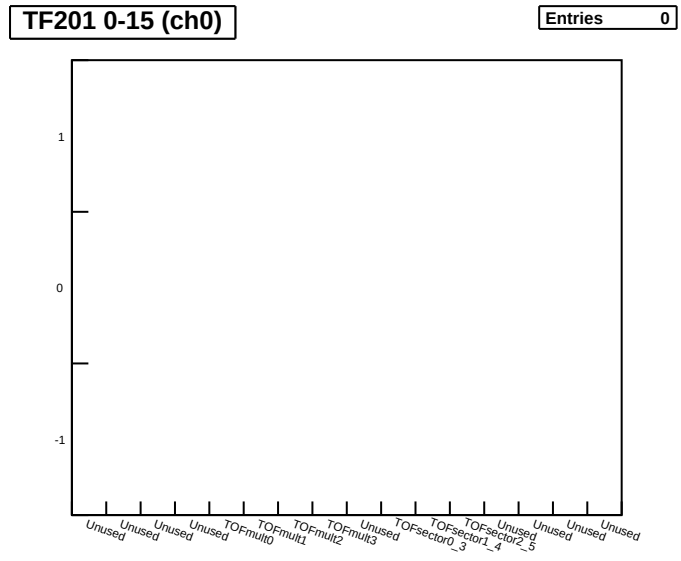

Entries 432440
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

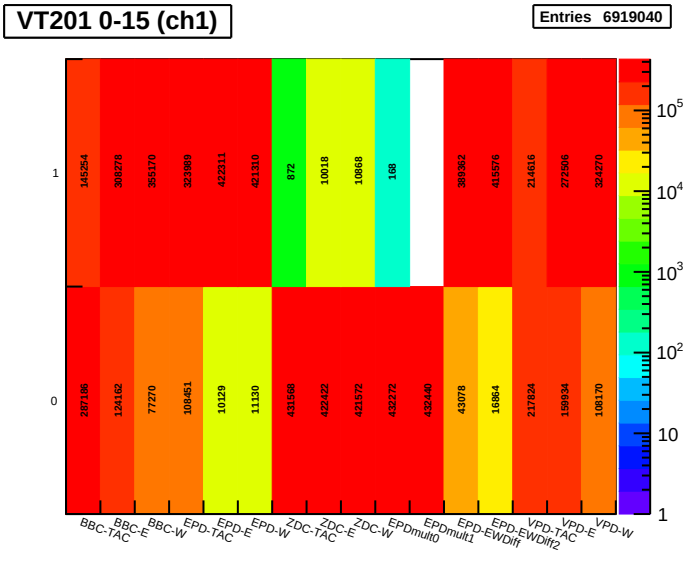

Entries 432440
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

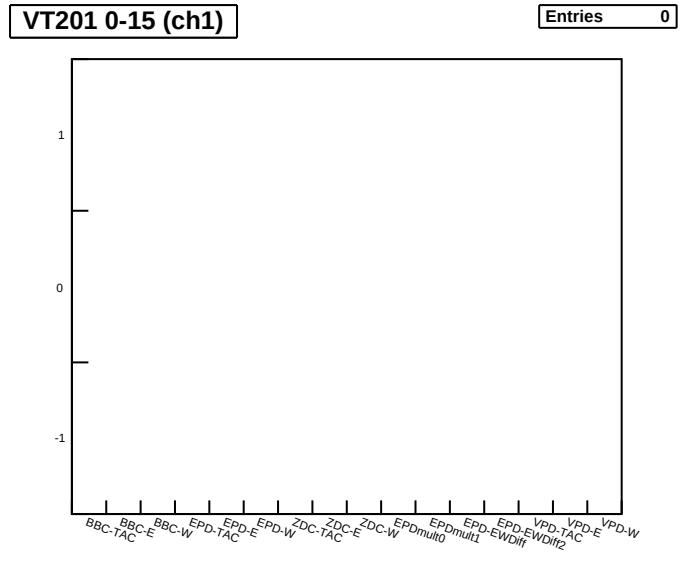

Laser Input Bits
Entries 432440
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

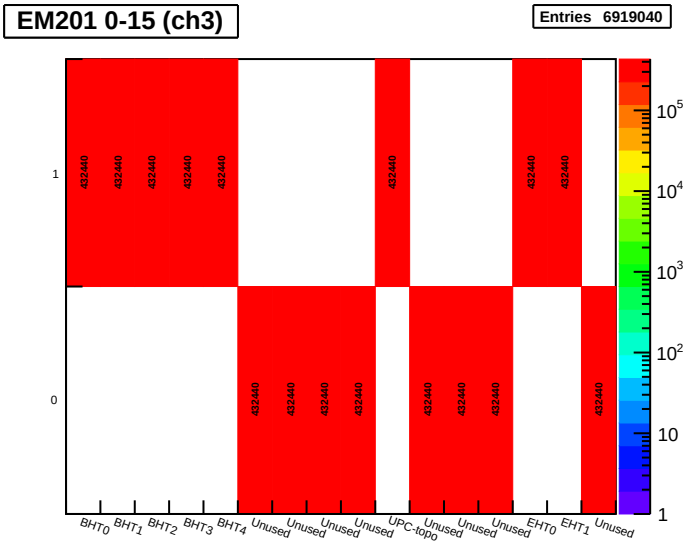

ST201 0-15 (ch6)
Entries 6919040
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4289
4288
1
4288
14
428151
428152
432439
428152
432440
432440
432440
432440
432440
432440
432440
432440
432440
432440
432440
432426
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

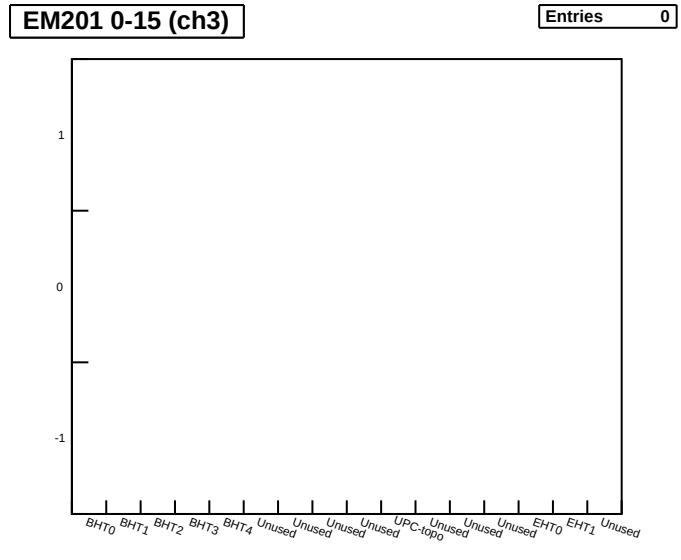

TF201 0-15 (ch0)
Entries 6919040
432440 423272 386799 371800 290972 356533 357870 353442 432440 432440 432440
432440 432440 432440 9168 45641 60640 151468 432440 75907 74570 78998 432440
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1
0
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 6919040
145254 308278 355170 323989 422311 421310 872 10018 10868 168 389352 415576 214616 272506 324270
287186 124162 77270 108451 10129 11130 431568 422422 421572 432272 432440 43078 16864 217824 159934 108170
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
1
0
10^5 10^4 10^3 10^2 10 1


VT201 0-15 (ch1)
Entries 0
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
1
0
-1


EM201 0-15 (ch3)
Entries 6919040
432440 432440 432440 432440 432440 432440 432440 432440 432440
432440 432440 432440 432440 432440 432440 432440 432440
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
10^5 10^4 10^3 10^2 10 1


EM201 0-15 (ch3)
Entries 0
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1
0
-1