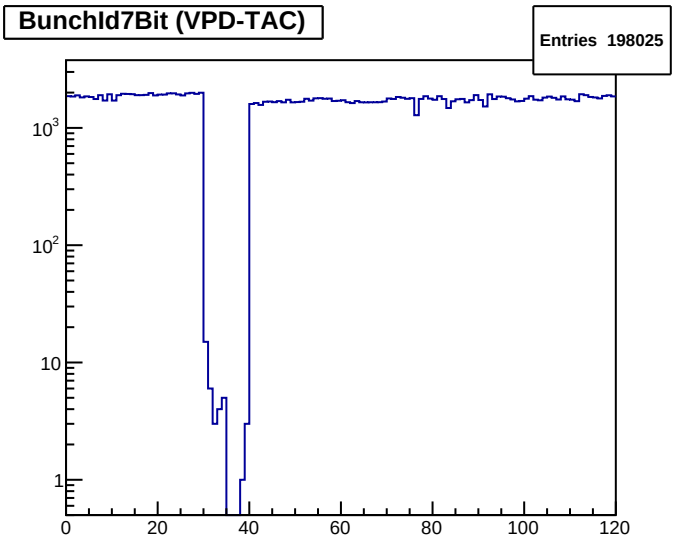
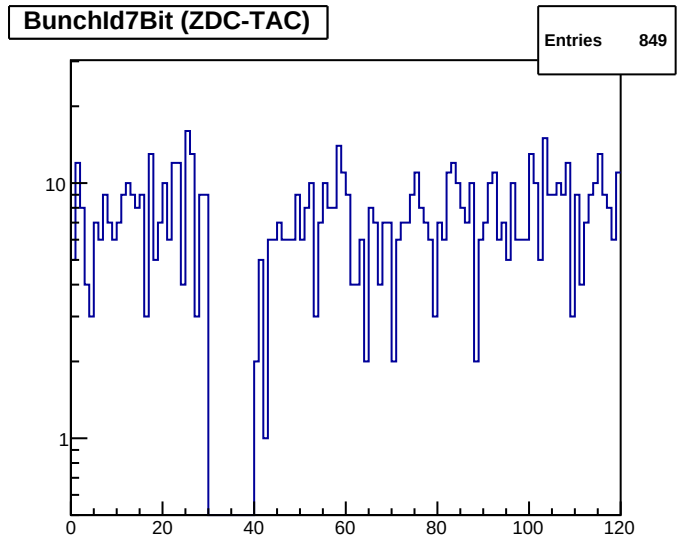
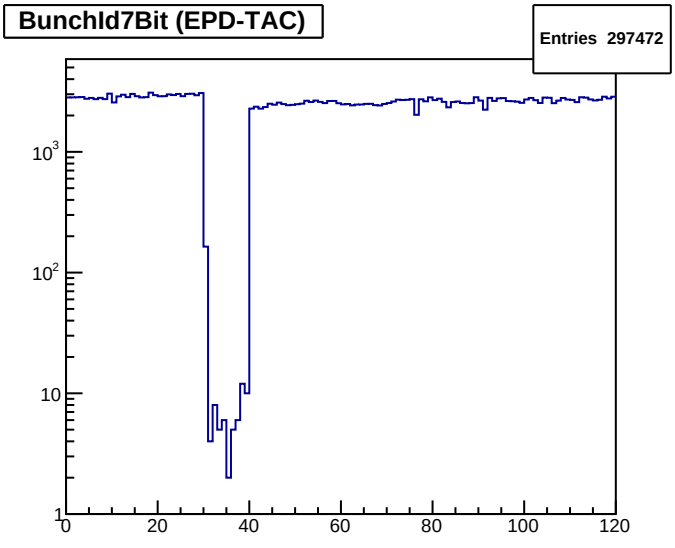
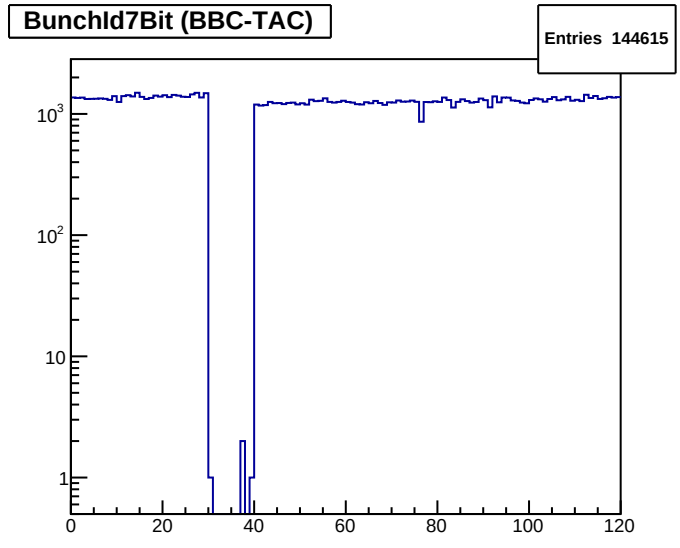
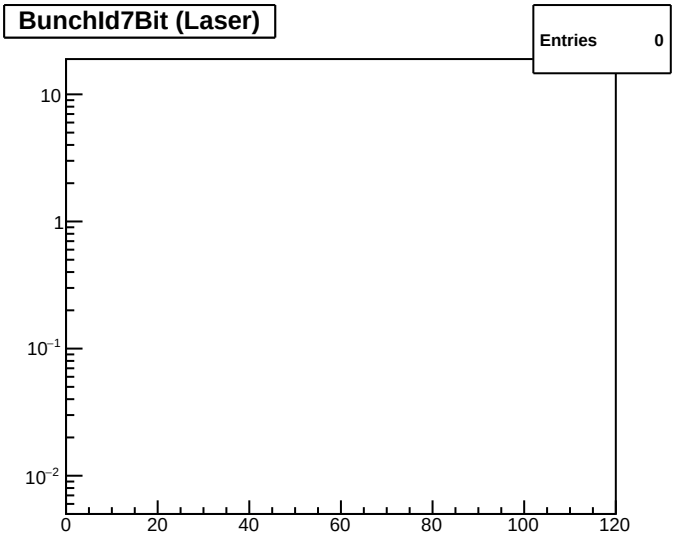
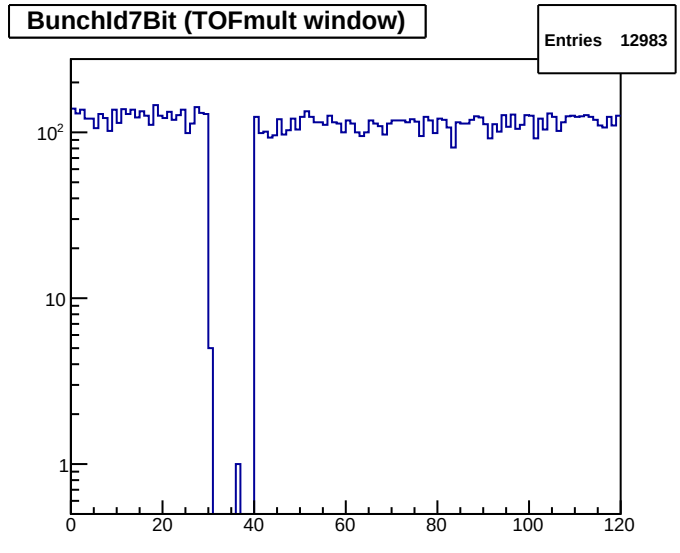

BunchId7Bit (VPD-TAC)
Entries 198025

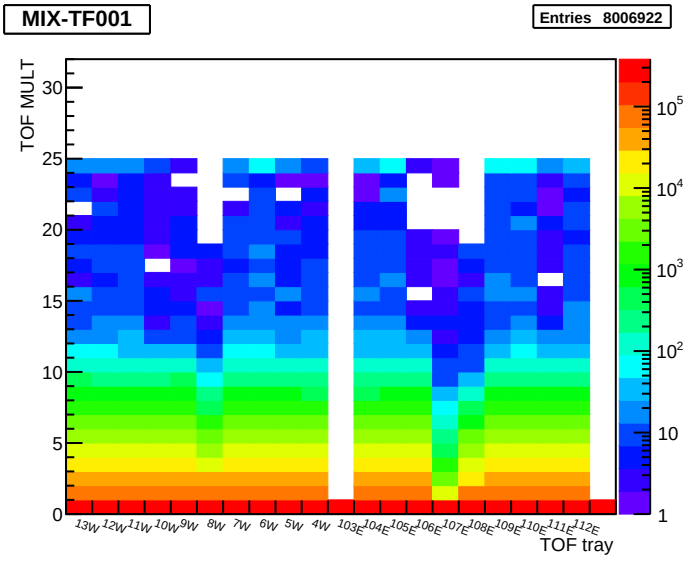

BunchId7Bit (ZDC-TAC)
Entries 849

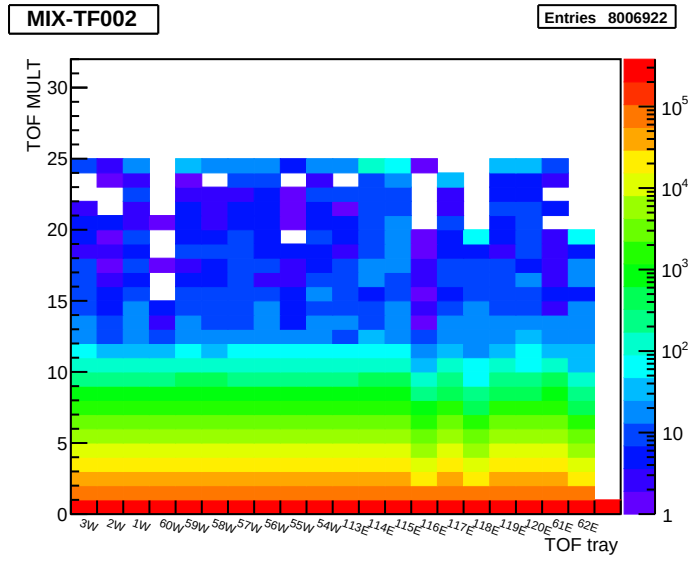

BunchId7Bit (EPD-TAC)
Entries 297472

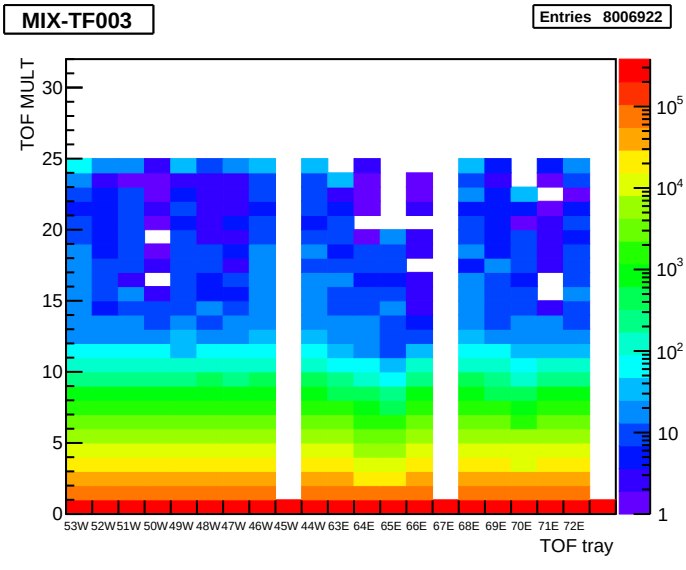

BunchId7Bit (BBC-TAC)
Entries 144615

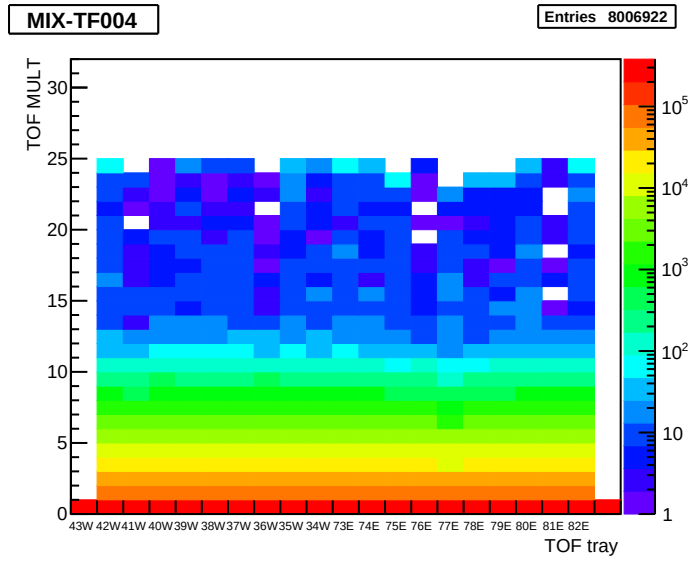

BunchId7Bit (Laser)
Entries 0

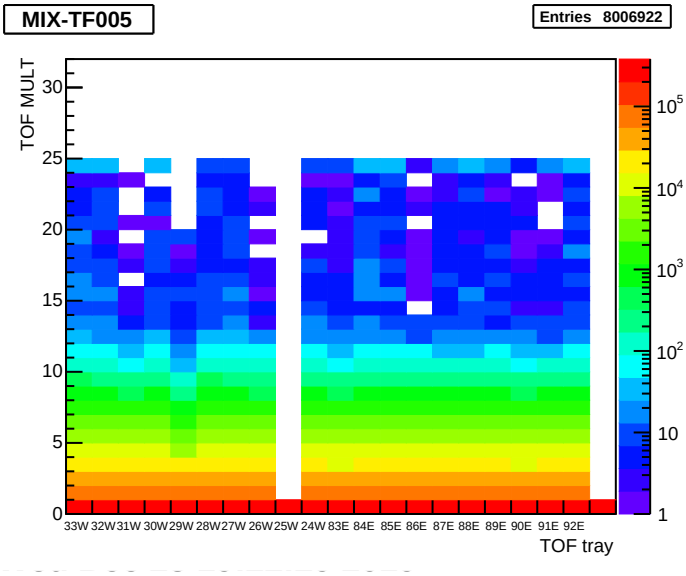

BunchId7Bit (TOFmult window)
Entries 12983

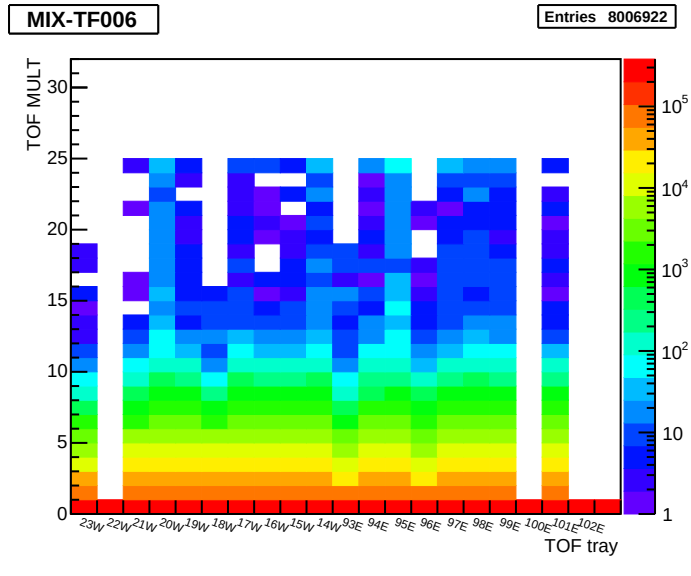

MIX-TF001
Entries 8006922
TOF MULT
TOF tray

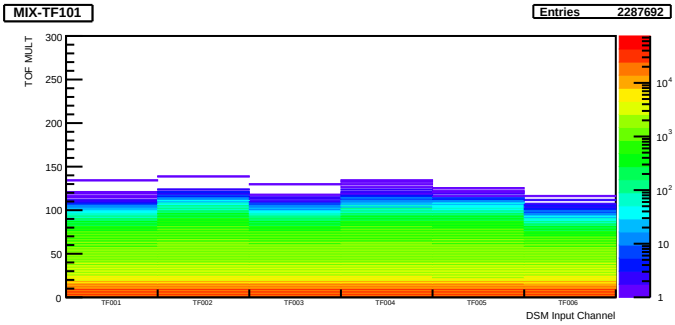

MIX-TF002
Entries 8006922
TOF MULT
TOF tray

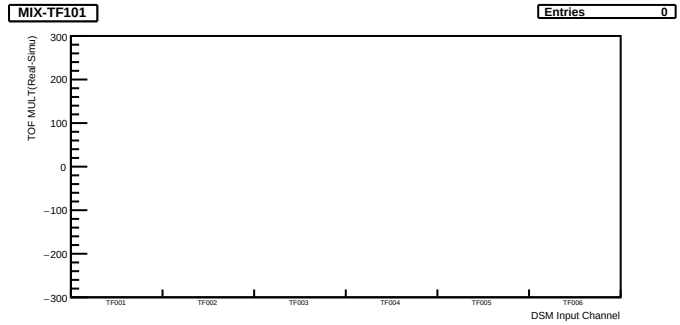

MIX-TF003
Entries 8006922
TOF MULT
TOF tray

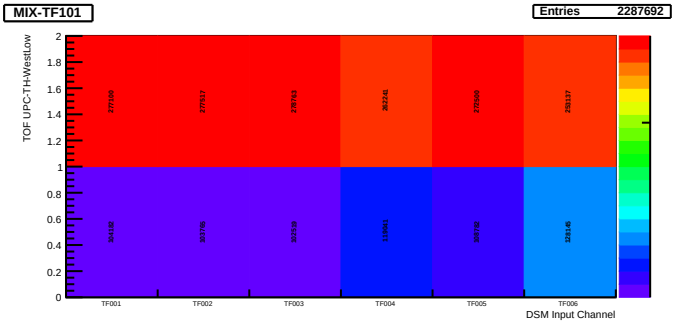

MIX-TF004
Entries 8006922
TOF MULT
TOF tray

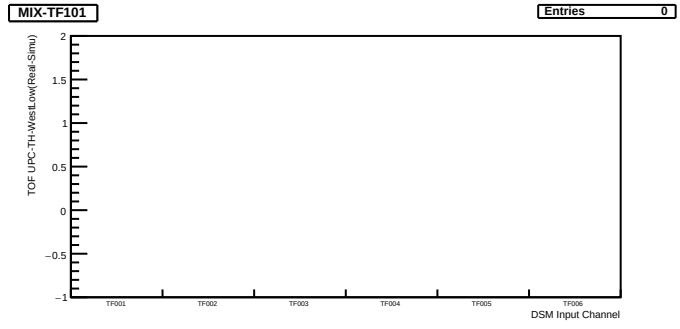

MIX-TF005
Entries 8006922
TOF MULT
TOF tray

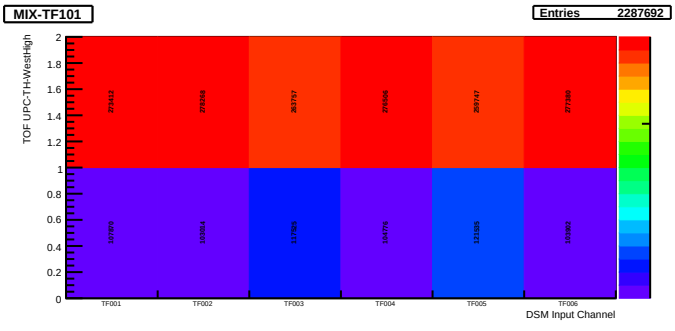

MIX-TF006
Entries 8006922
TOF MULT
TOF tray

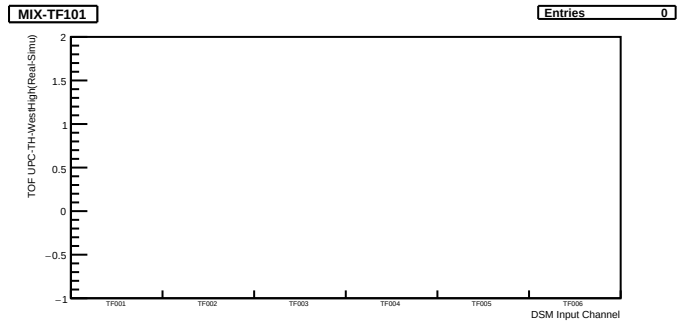

MIX-TF101
Entries 2287692
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

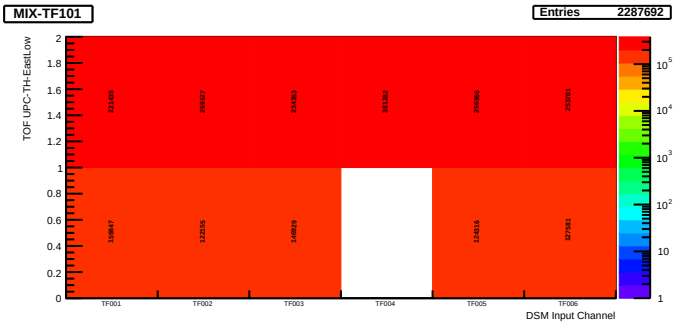

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

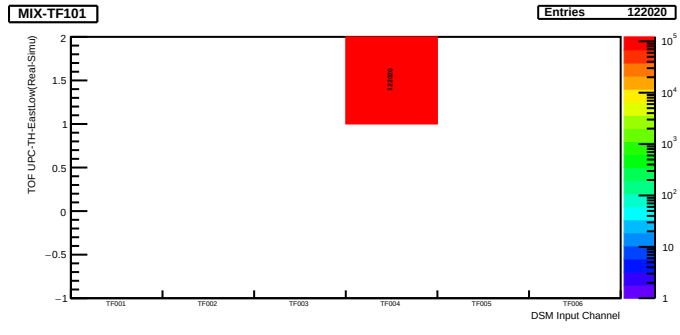

MIX-TF101
Entries 2287692
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

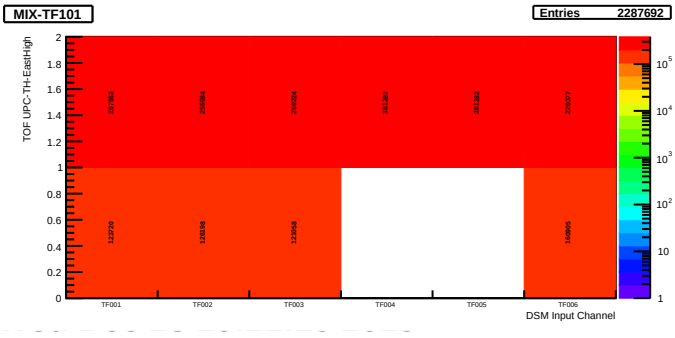

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

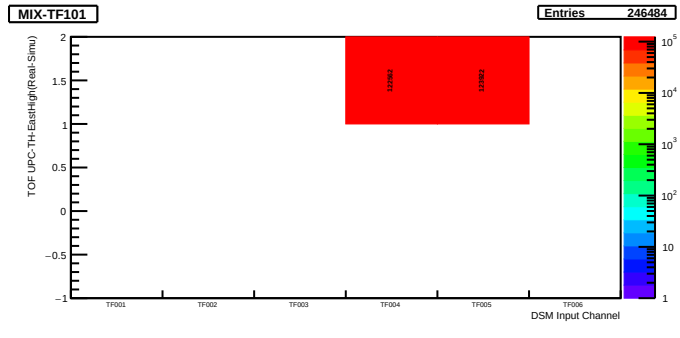

MIX-TF101
Entries 2287692
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

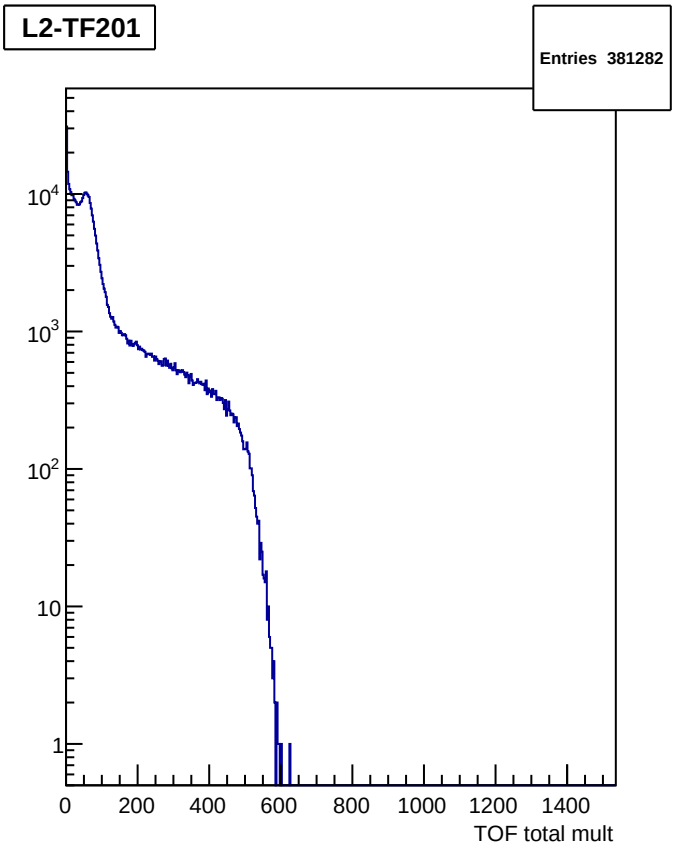

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

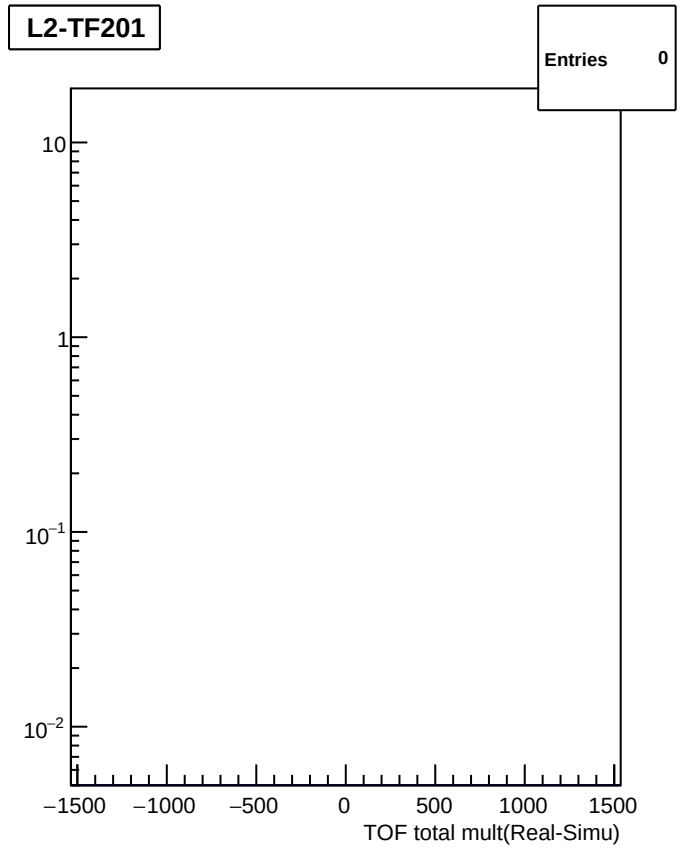

MIX-TF101
Entries 2287692
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

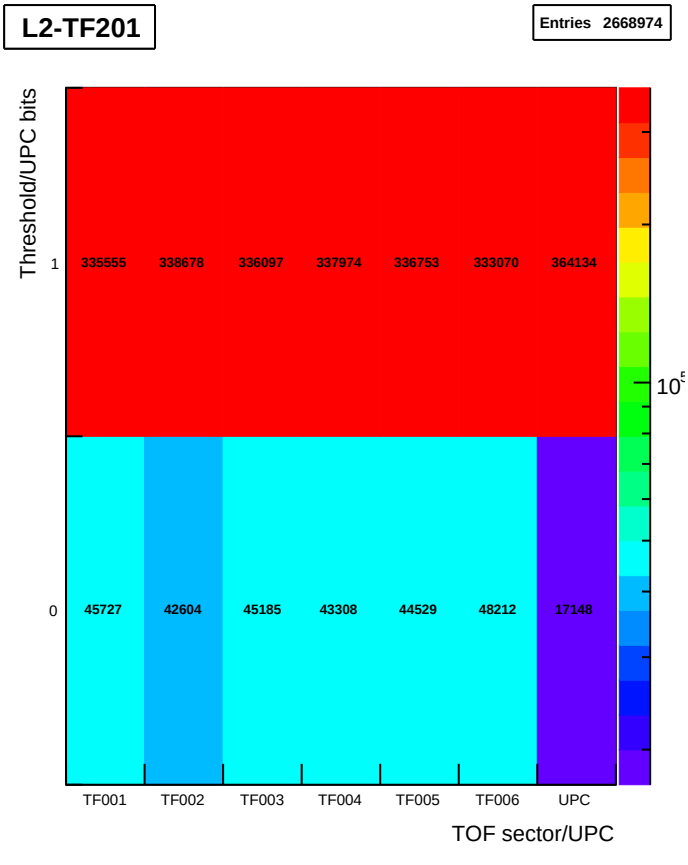

MIX-TF101
Entries 122020
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

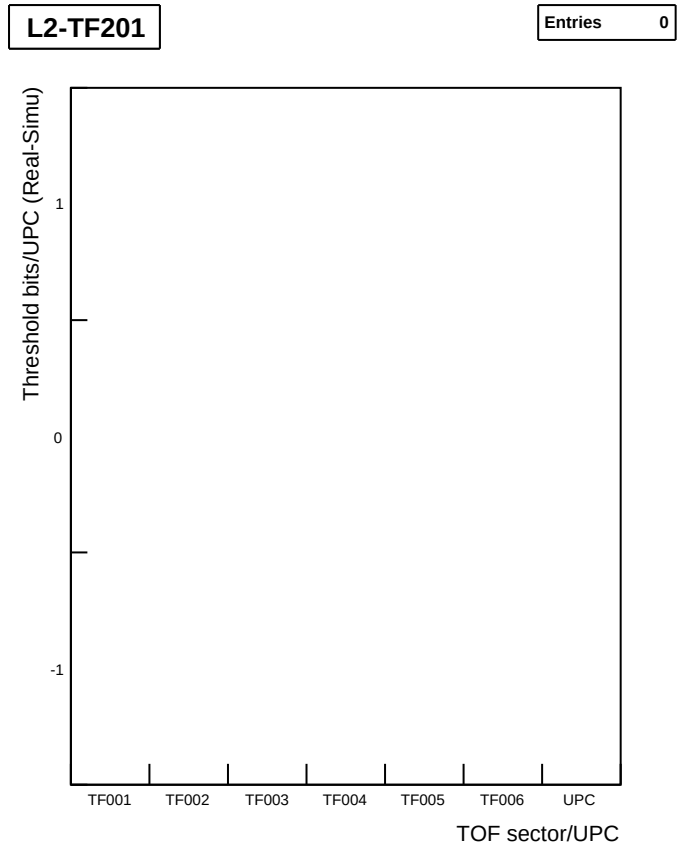

MIX-TF101
Entries 2287692
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

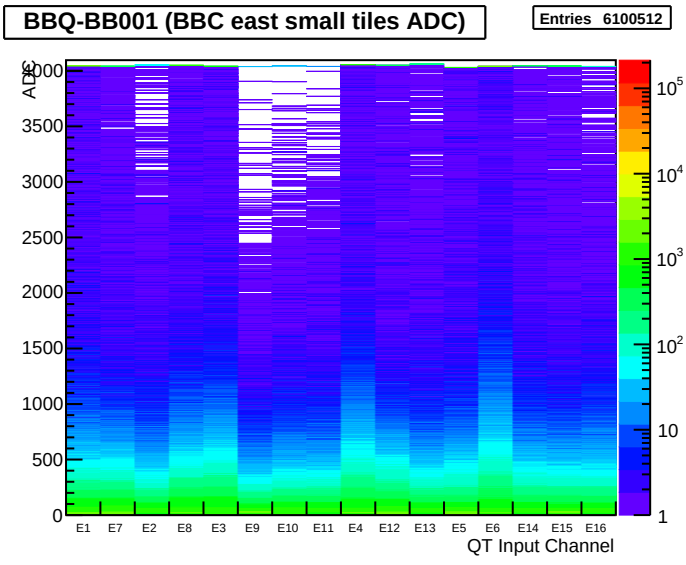

MIX-TF101
Entries 246484
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

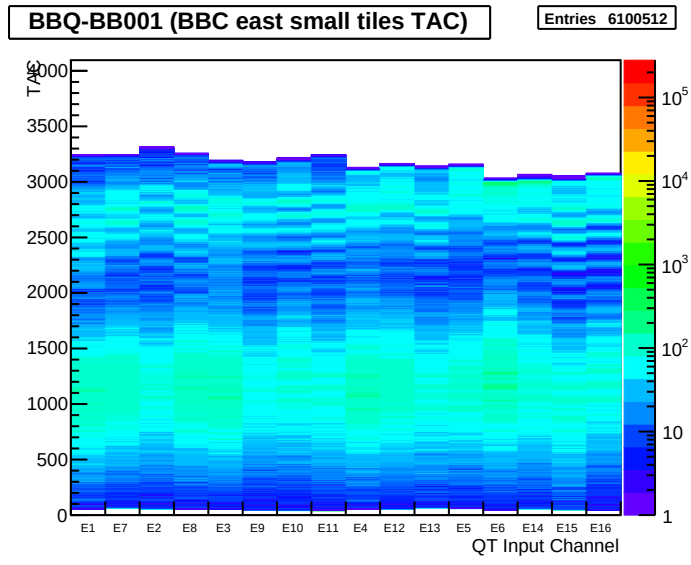

L2-TF201
Entries 381282
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

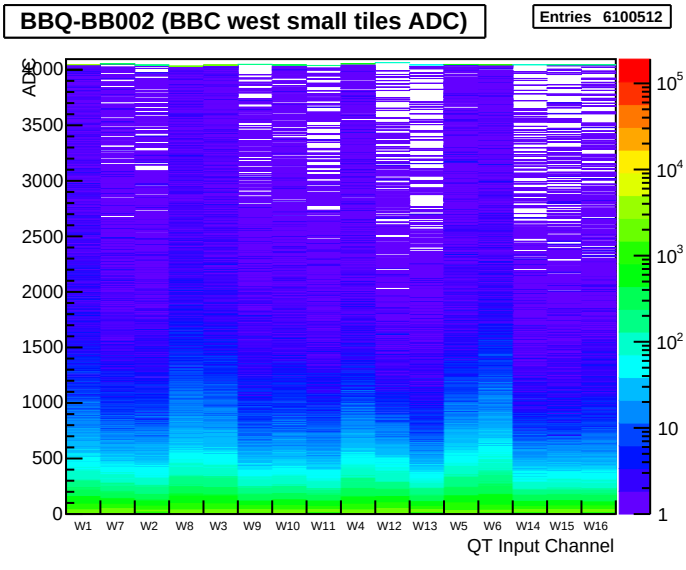

L2-TF201
Entries 0
10
1
$10^{-1}$
$10^{-2}$
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

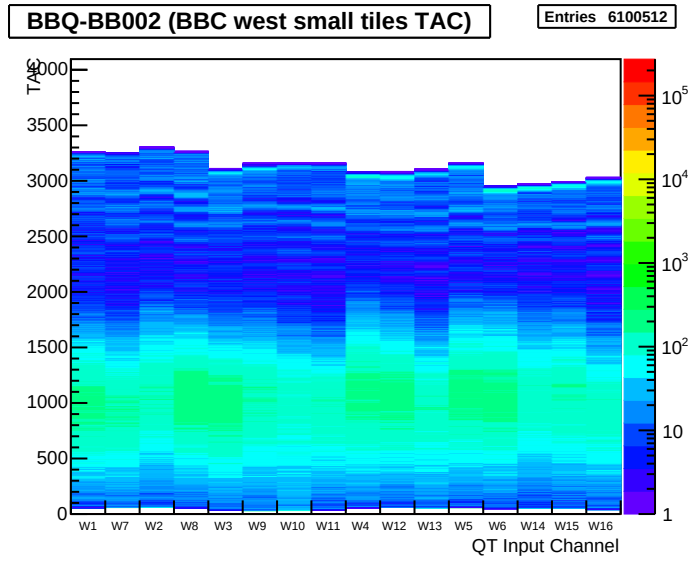

L2-TF201
Entries 2668974
Threshold/UPC bits
1
0
335555
338678
336097
337974
336753
333070
364134
45727
42604
45185
43308
44529
48212
17148
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

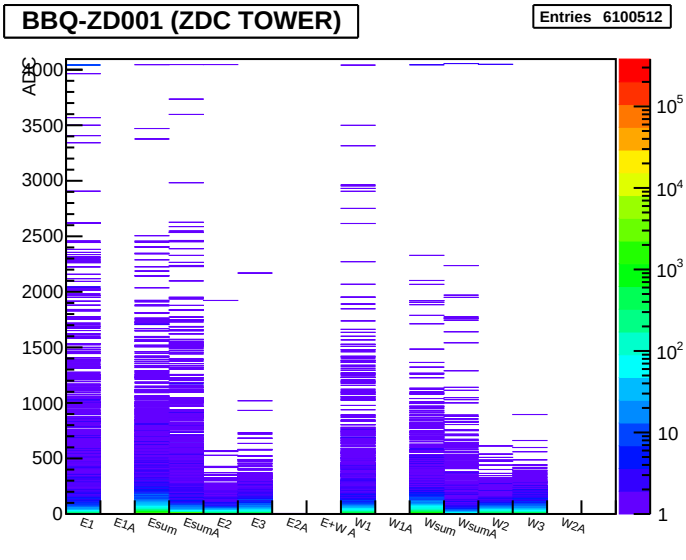

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

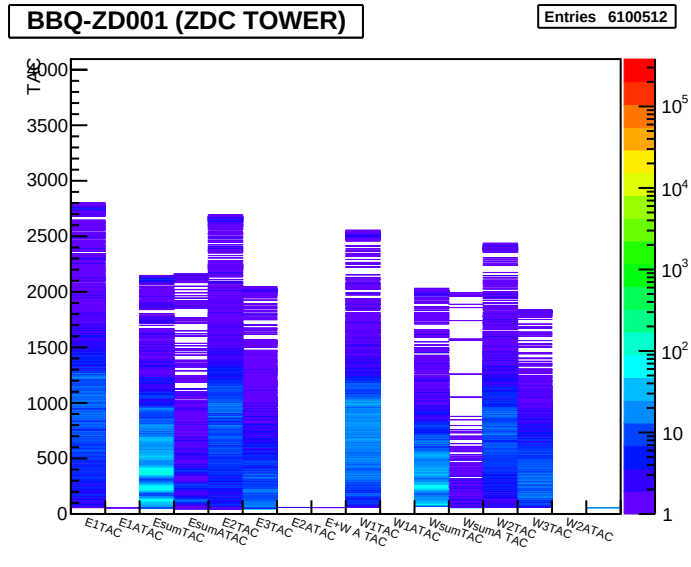

BBQ-BB001 (BBC east small tiles ADC)
Entries 6100512
ADC
QT Input Channel

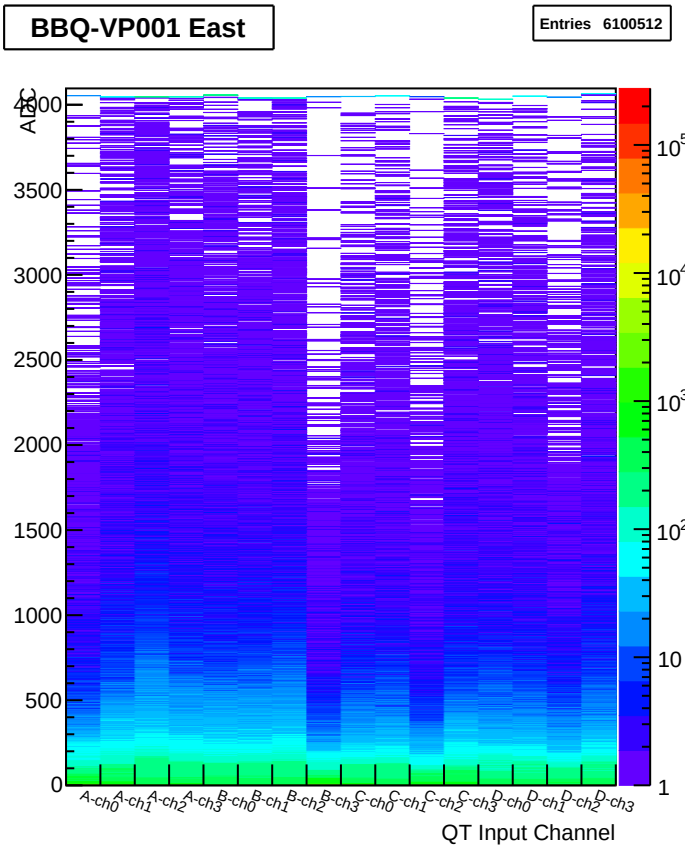

BBQ-BB001 (BBC east small tiles TAC)
Entries 6100512
TAC
QT Input Channel

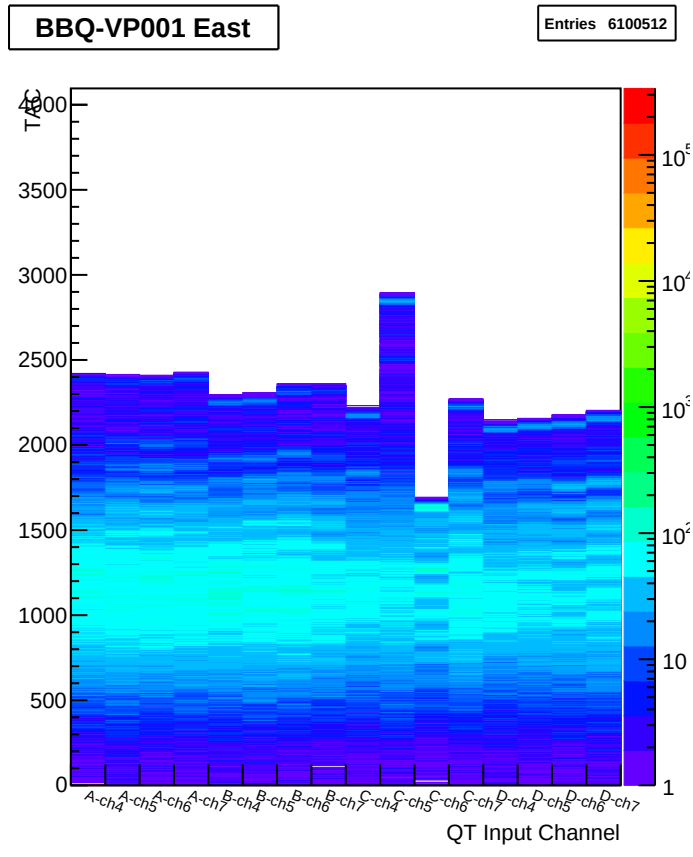

BBQ-BB002 (BBC west small tiles ADC)
Entries 6100512
ADC
QT Input Channel

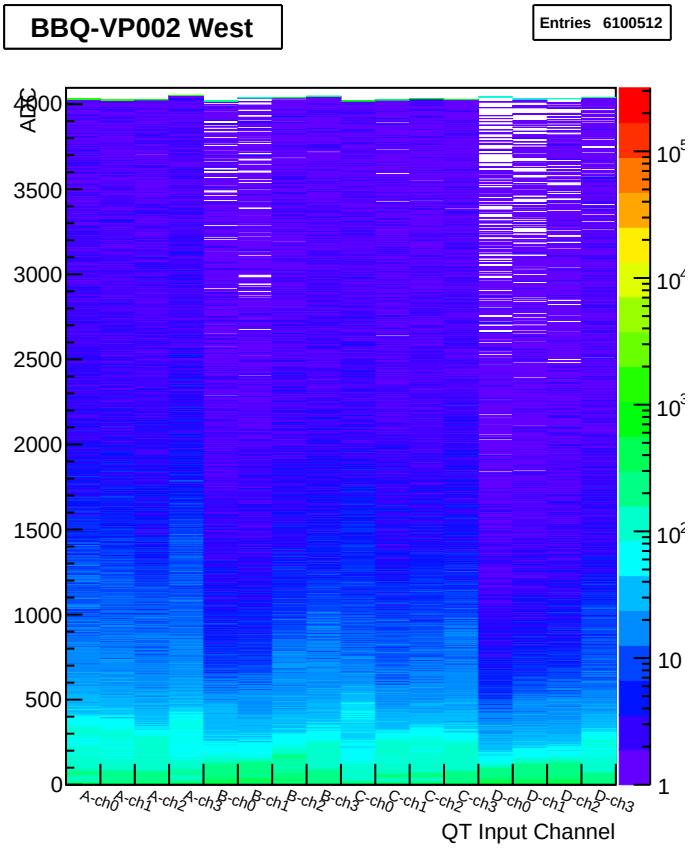

BBQ-BB002 (BBC west small tiles TAC)
Entries 6100512
TAC
QT Input Channel

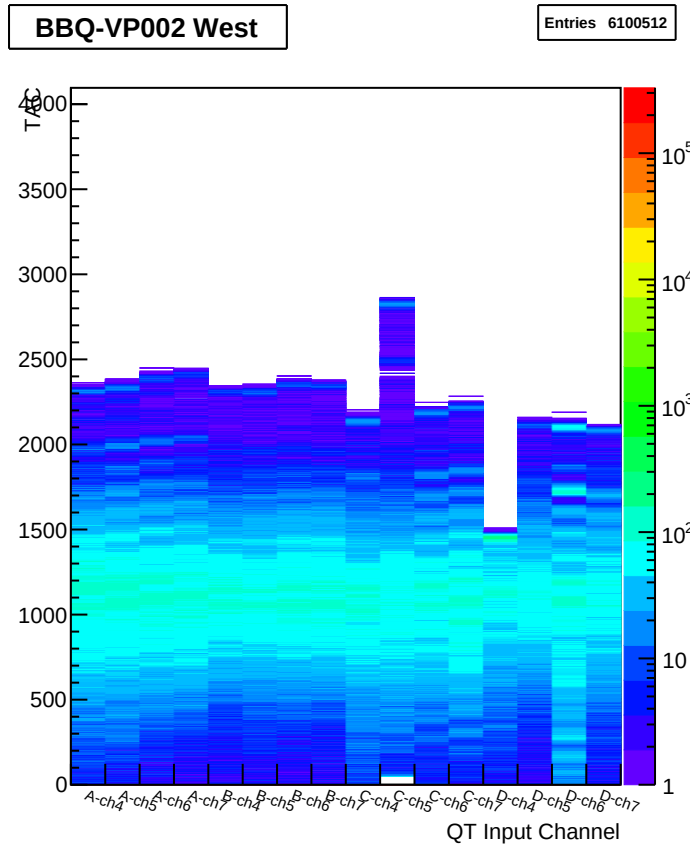

BBQ-ZD001 (ZDC TOWER)
Entries 6100512
ADC

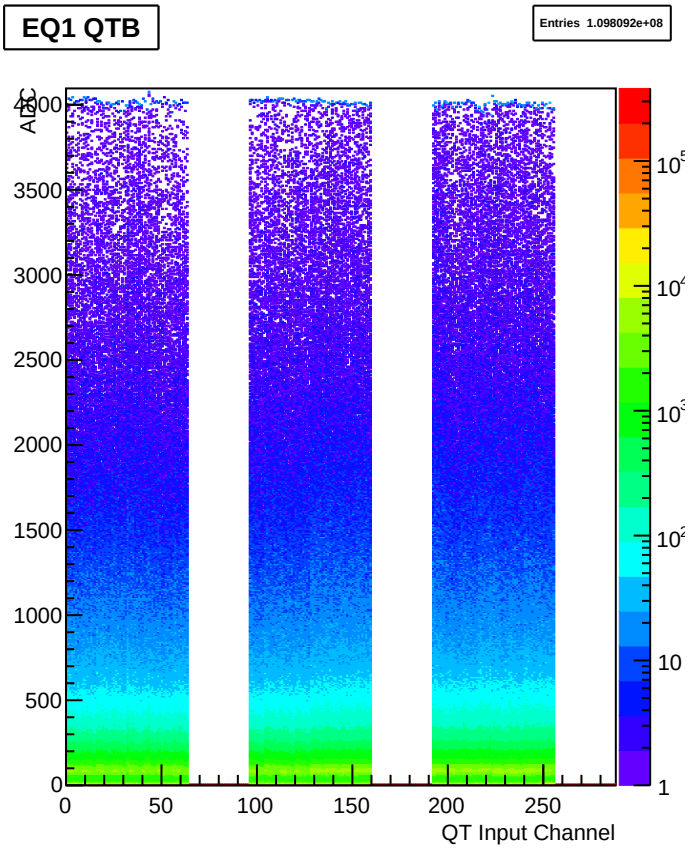

BBQ-ZD001 (ZDC TOWER)
Entries 6100512
TAC

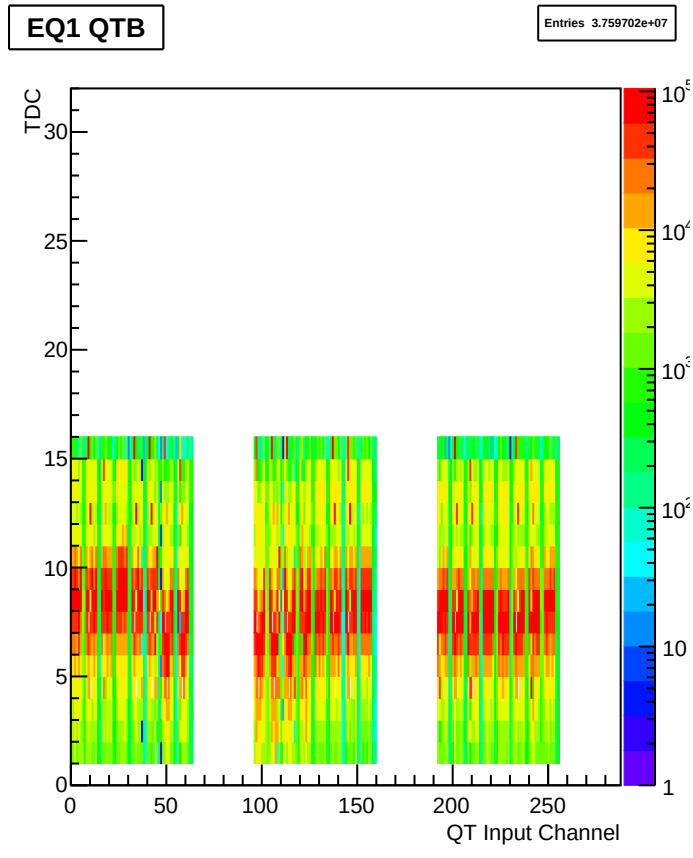

BBQ-VP001 East
Entries 6100512
ADC
QT Input Channel

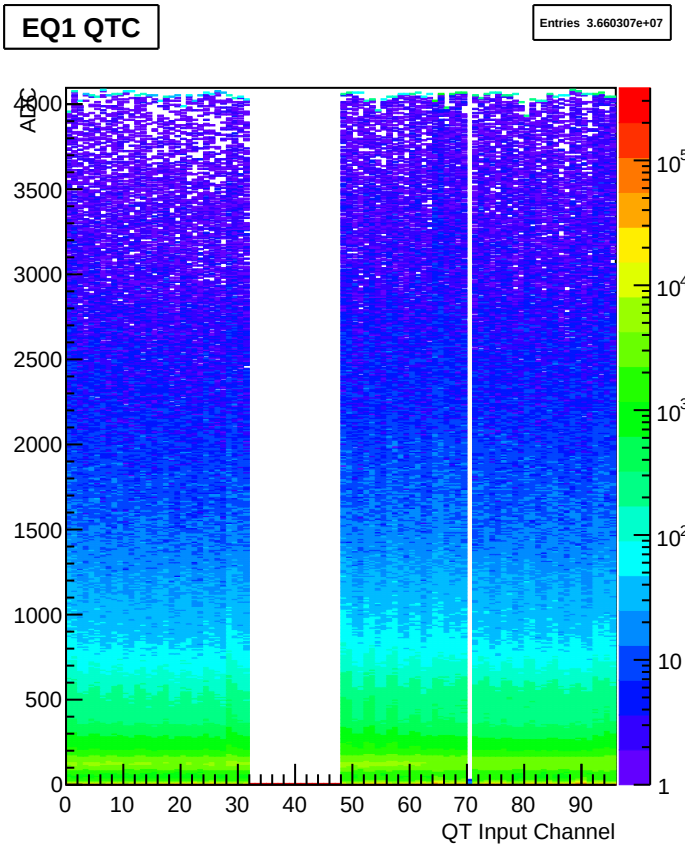

BBQ-VP001 East
Entries 6100512
TAC
QT Input Channel

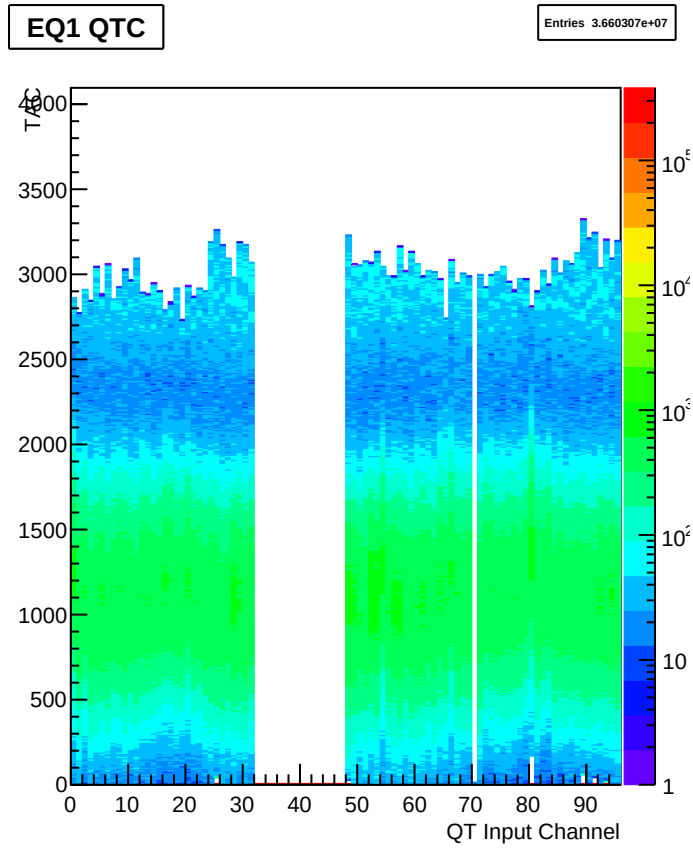

BBQ-VP002 West
Entries 6100512
ADC
QT Input Channel

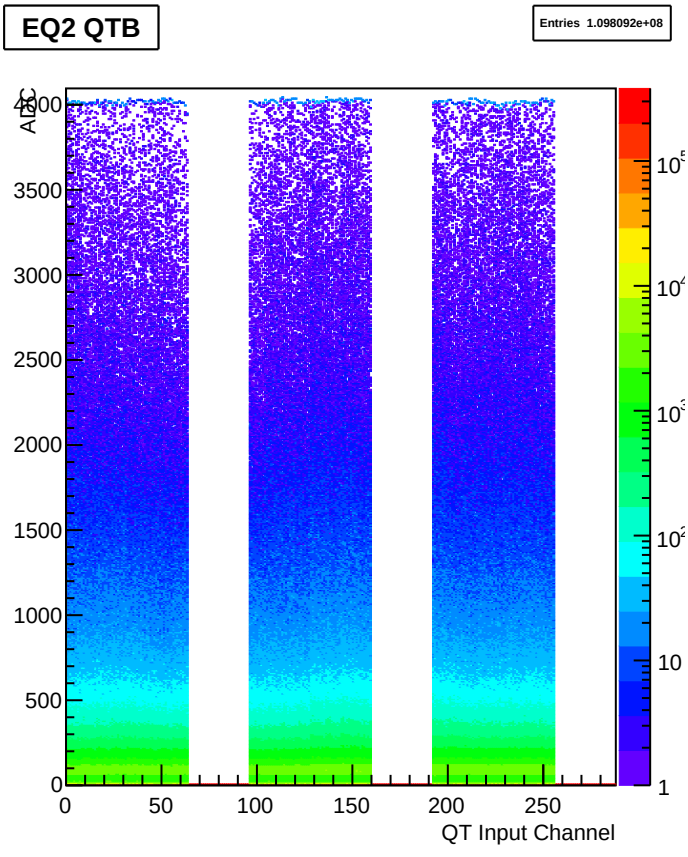

BBQ-VP002 West
Entries 6100512
TAC
QT Input Channel

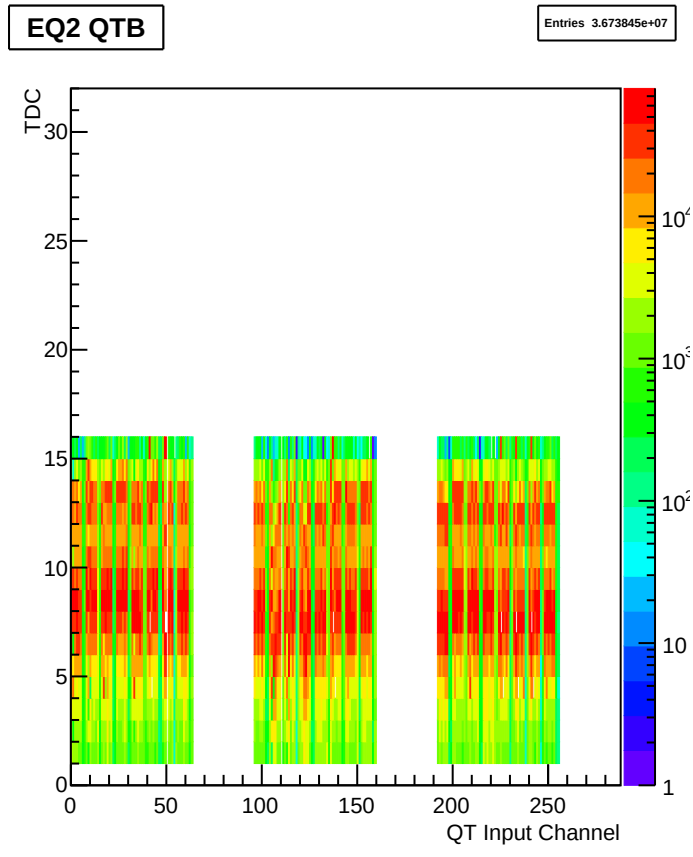

EQ1 QTB
Entries 1.098092e+08
ADC
QT Input Channel

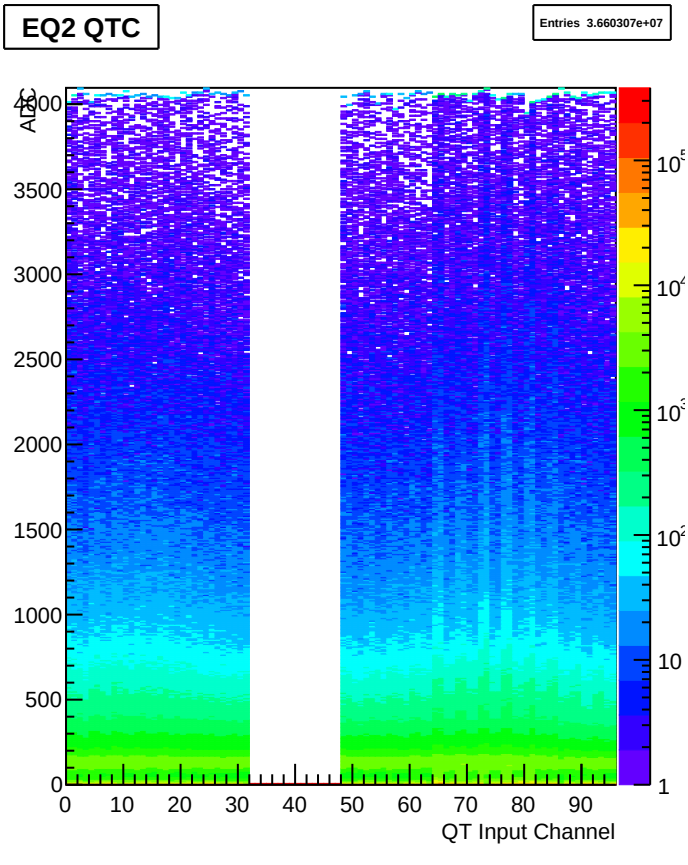

EQ1 QTB
Entries 3.759702e+07
TDC
QT Input Channel

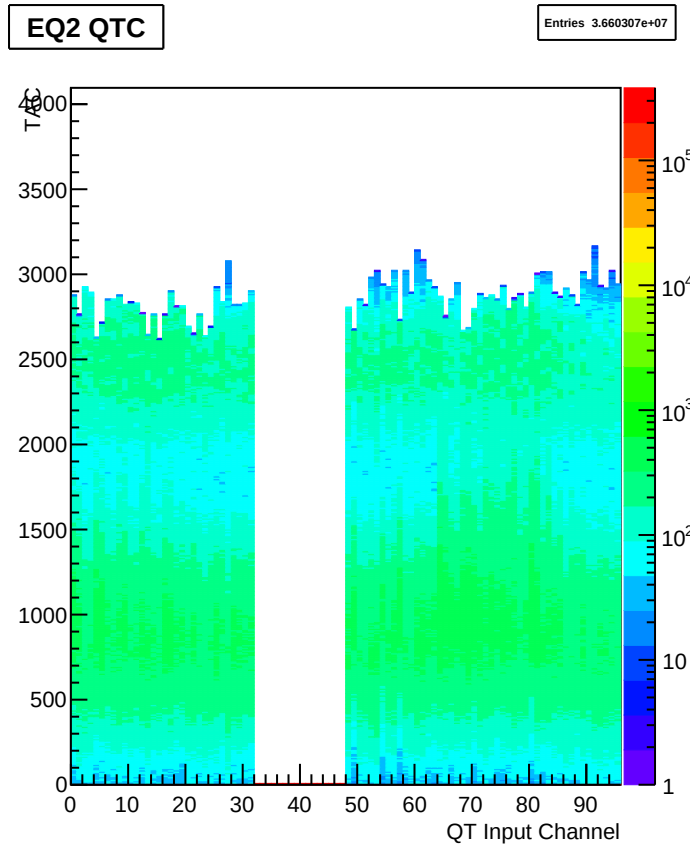

EQ1 QTC
Entries 3.660307e+07
ADC
QT Input Channel

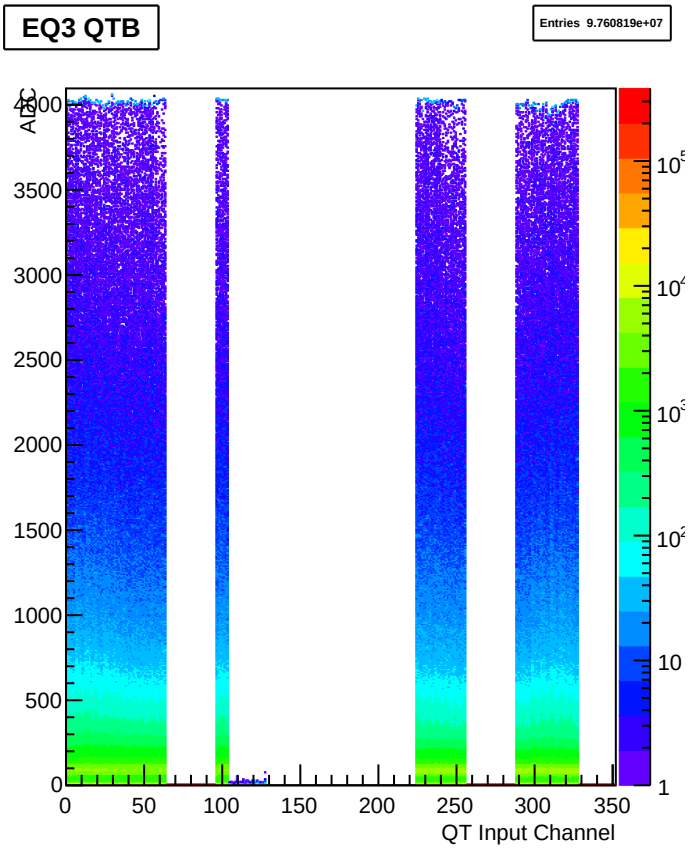

EQ1 QTC
Entries 3.660307e+07
TADC
QT Input Channel

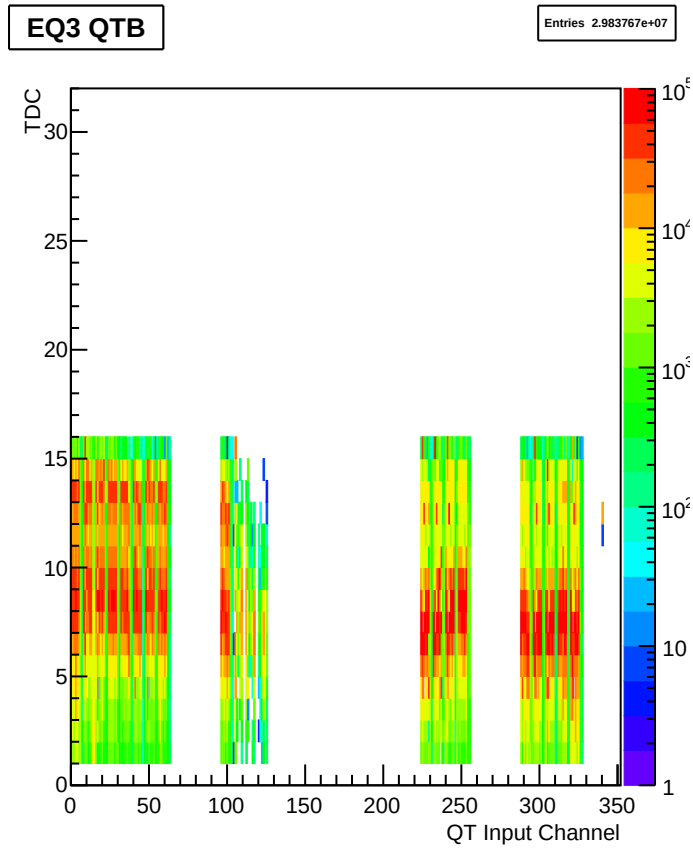

EQ2 QTB
Entries 1.098092e+08
ADC
QT Input Channel

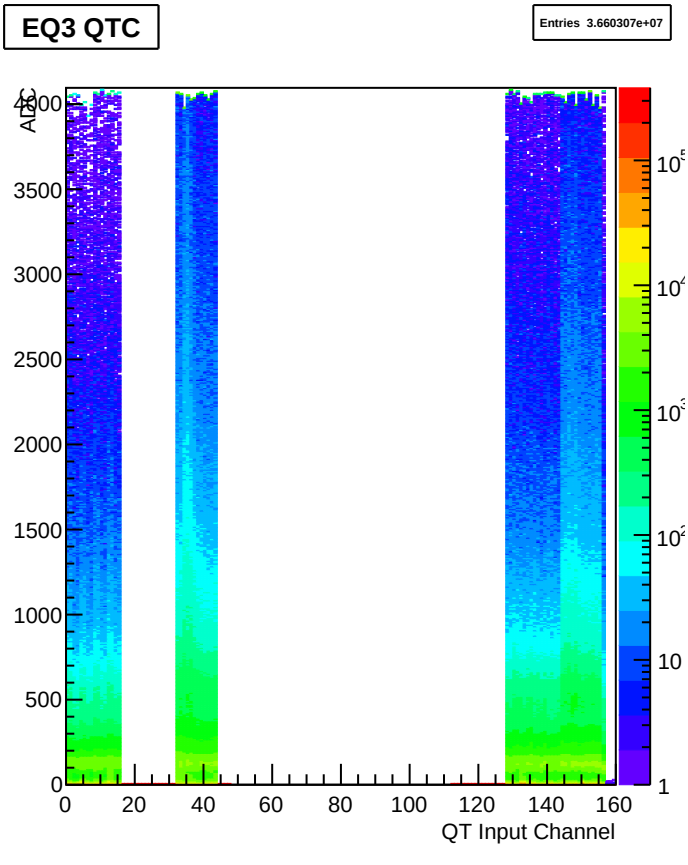

EQ2 QTB
Entries 3.673845e+07
TDC
QT Input Channel

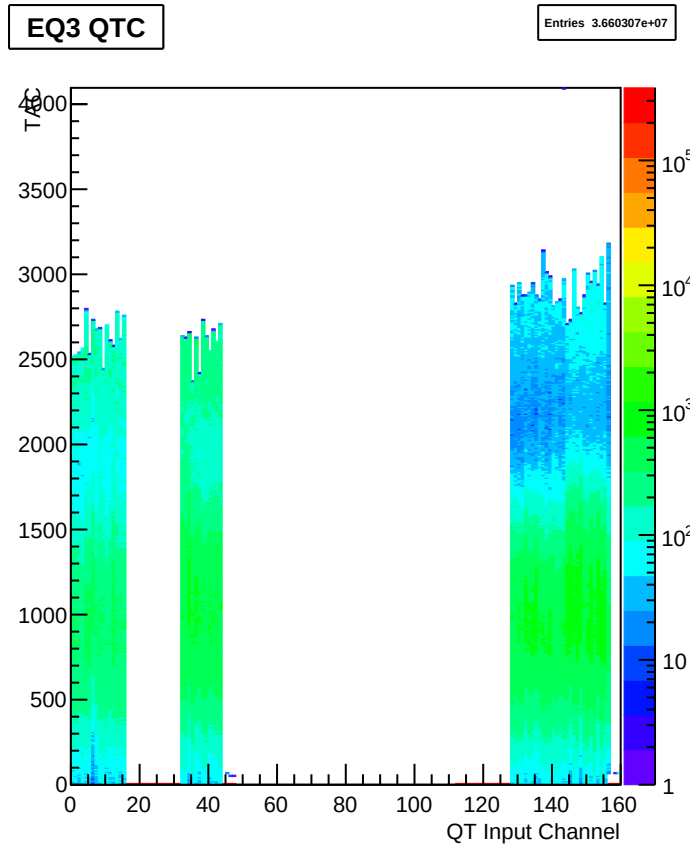

EQ2 QTC
Entries 3.660307e+07
ADC
QT Input Channel

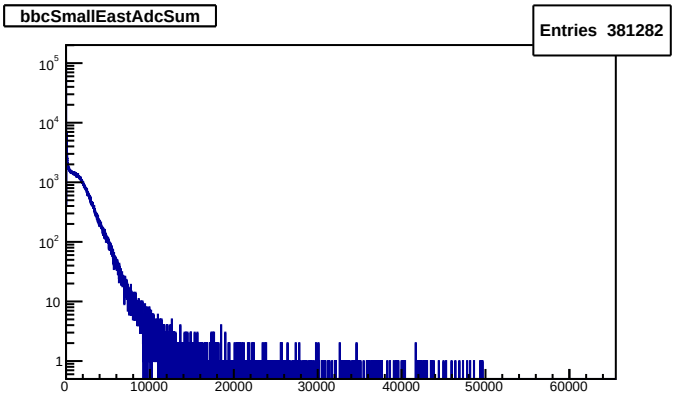

EQ2 QTC
Entries 3.660307e+07
TADC
QT Input Channel

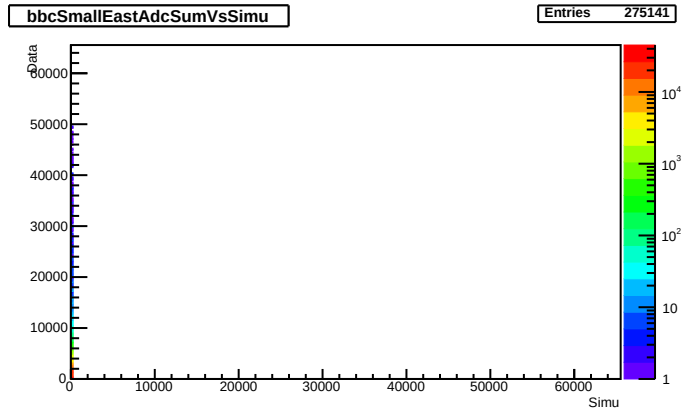

EQ3 QTB
Entries 9.760819e+07
ADC
QT Input Channel

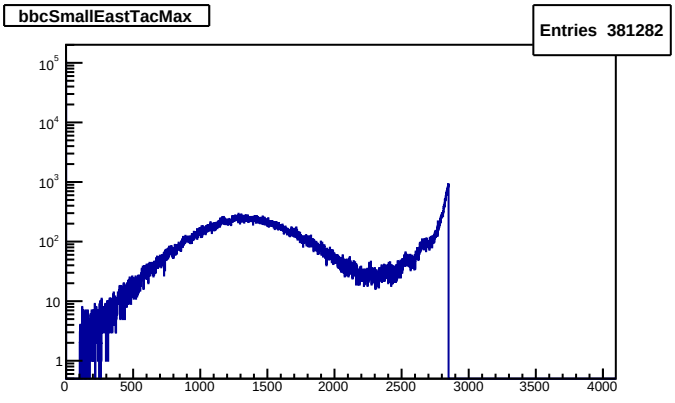

EQ3 QTB
Entries 2.983767e+07
TDC
QT Input Channel

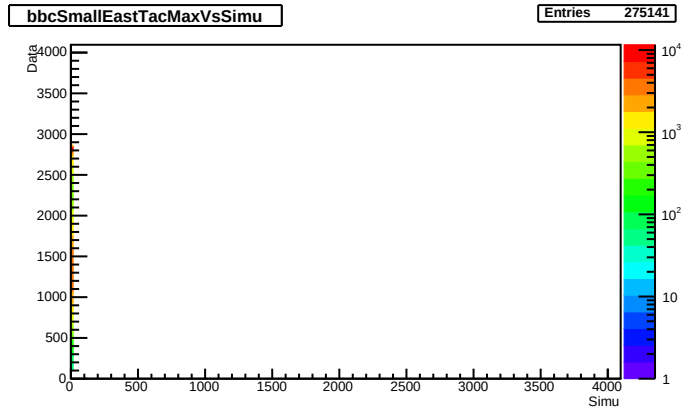

EQ3 QTC
Entries 3.660307e+07
ADC
QT Input Channel

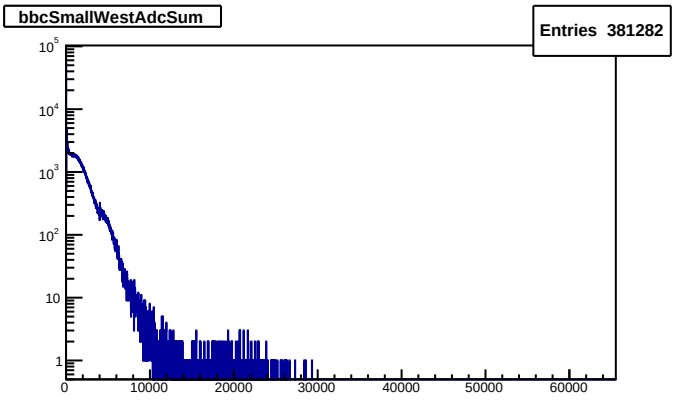

EQ3 QTC
Entries 3.660307e+07
TADC
QT Input Channel

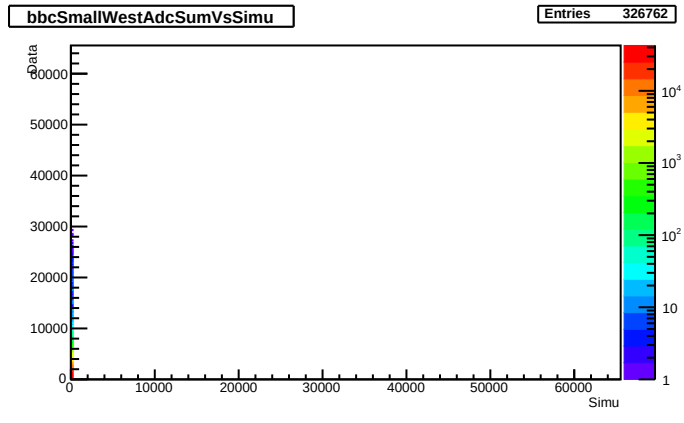

bbcSmallEastAdcSum
Entries 381282

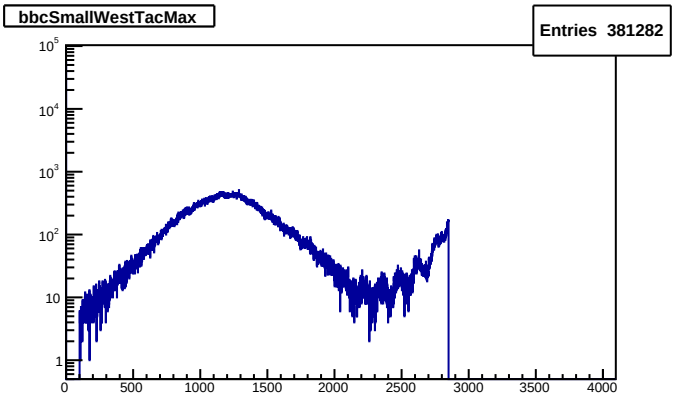

bbcSmallEastAdcSumVsSimu
Entries 275141
Data
Simu

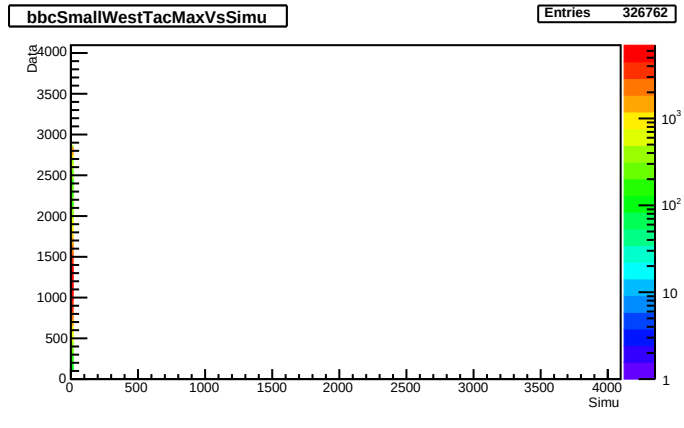

bbcSmallEastTacMax
Entries 381282

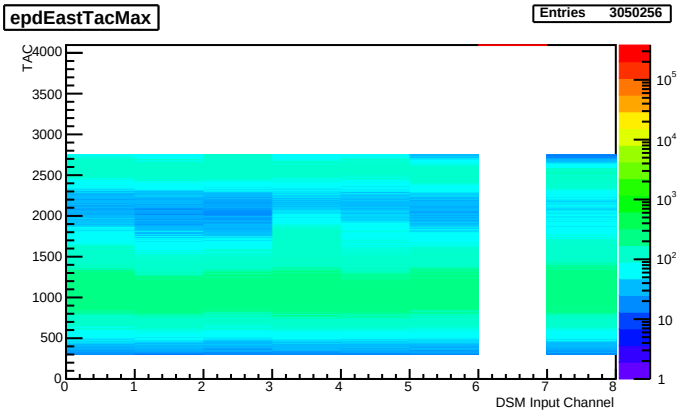

bbcSmallEastTacMaxVsSimu
Entries 275141
Data
Simu

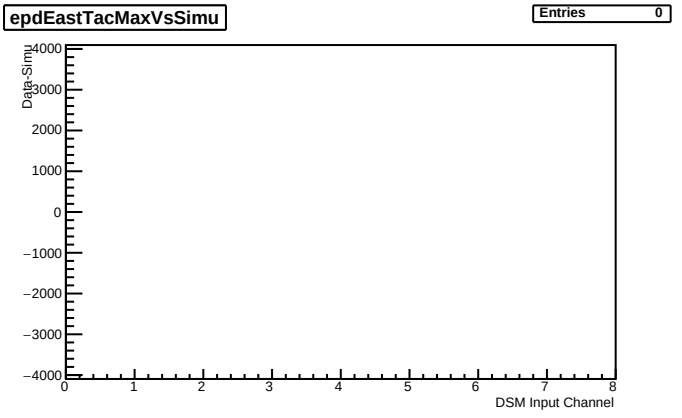

bbcSmallWestAdcSum
Entries 381282

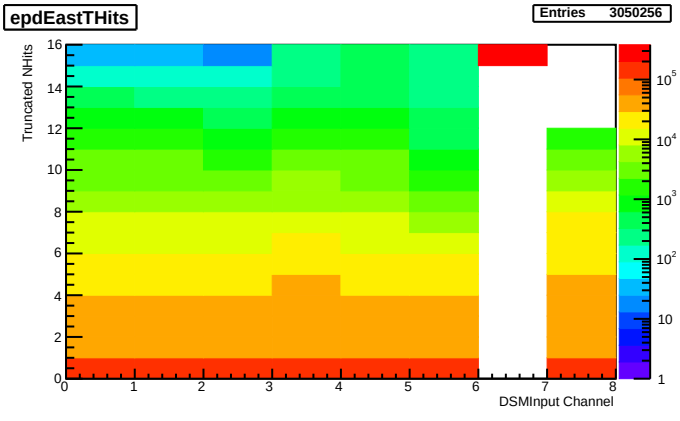

bbcSmallWestAdcSumVsSimu
Entries 326762
Data
Simu

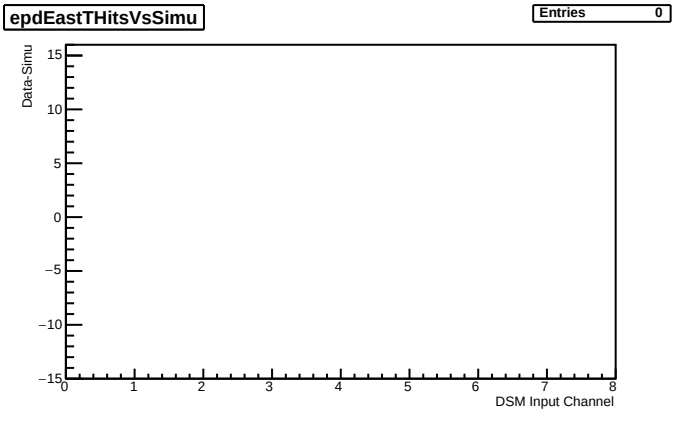

bbcSmallWestTacMax
Entries 381282

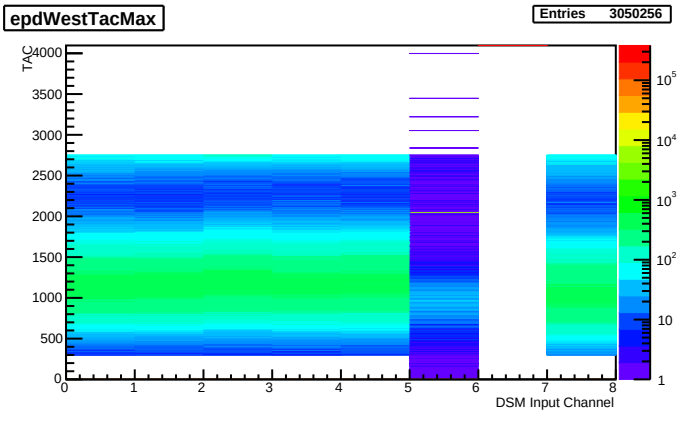

bbcSmallWestTacMaxVsSimu
Entries 326762
Data
Simu

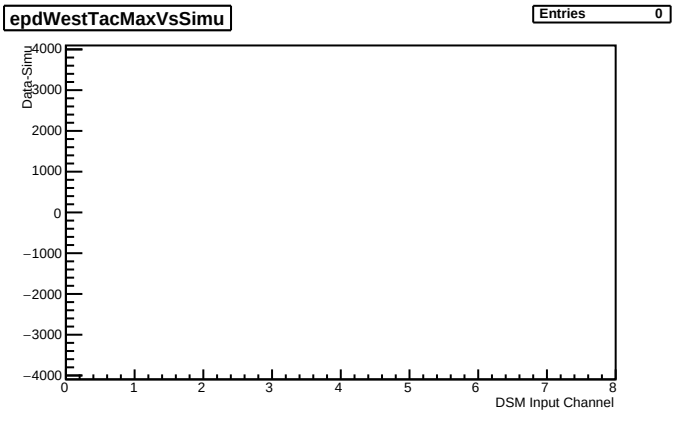

epdEastTacMax
Entries 3050256
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3050256
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3050256
TAC
DSM Input Channel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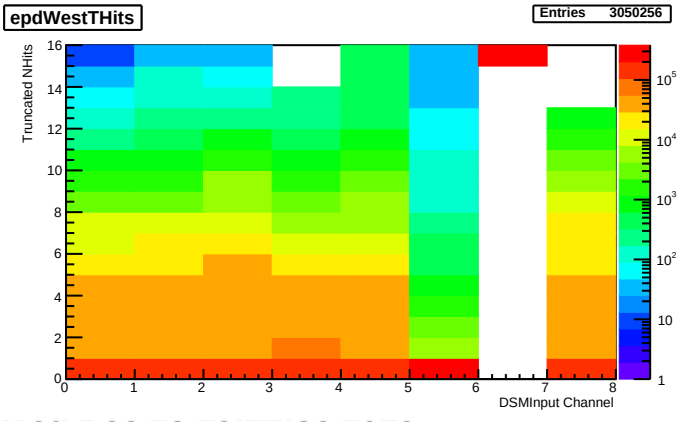
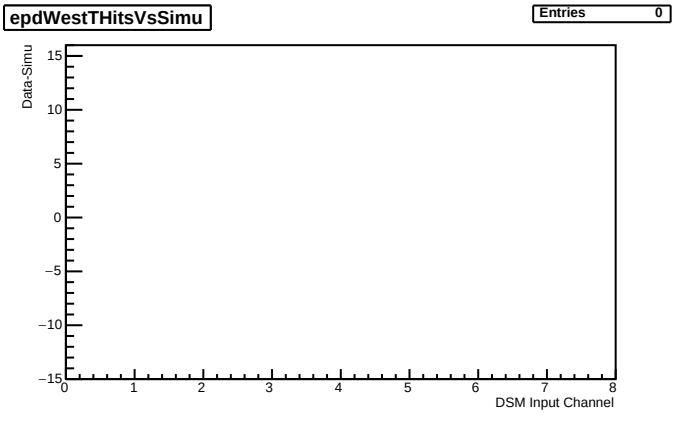
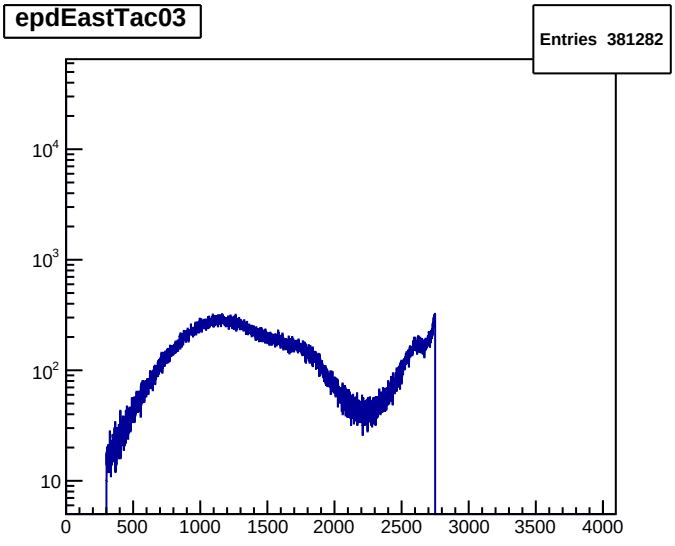
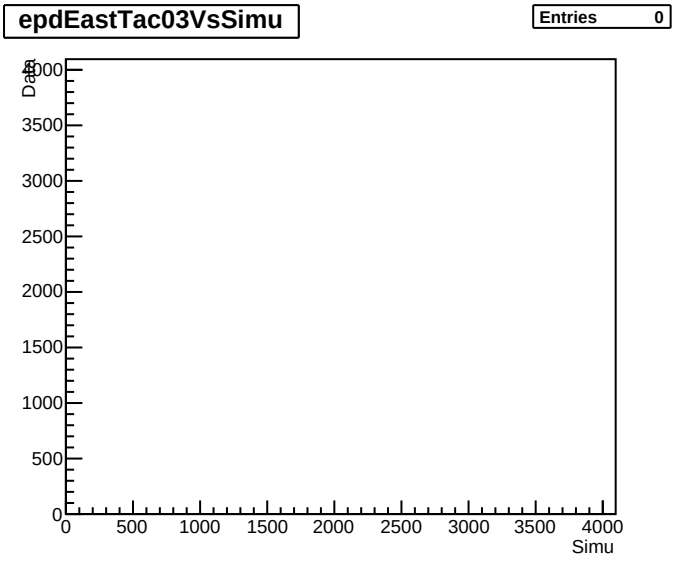
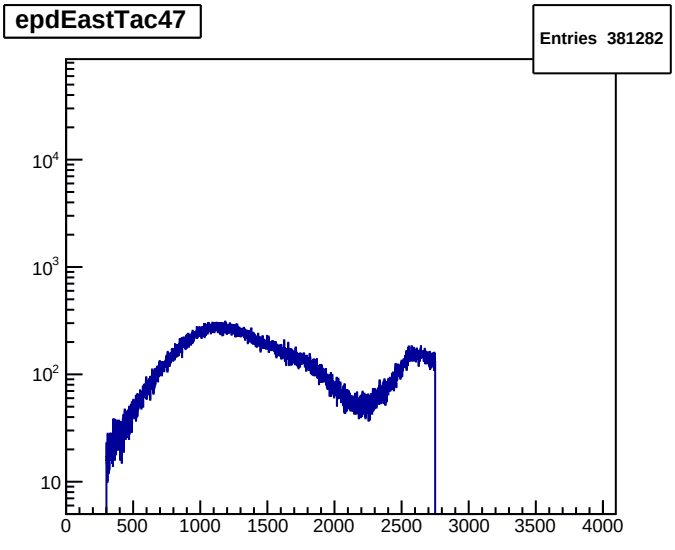
Entries 0
Data-Simu
DSM Input Channel

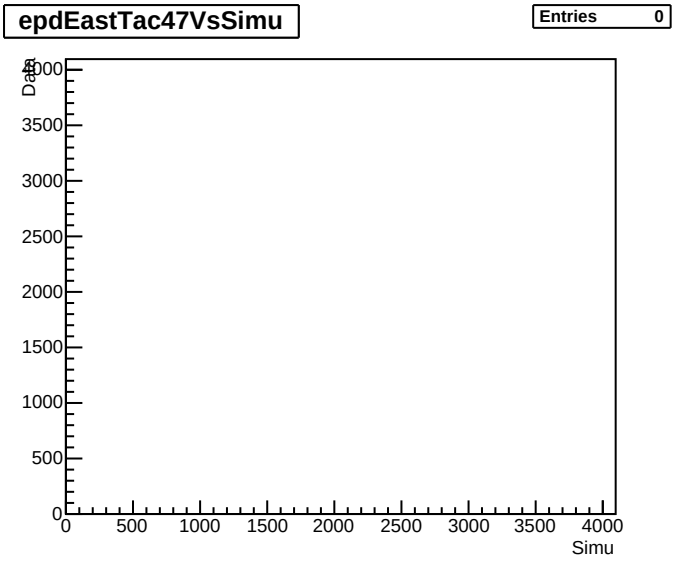

epdWestTHits
Entries 3050256
Truncated NHits
DSMInput Channel

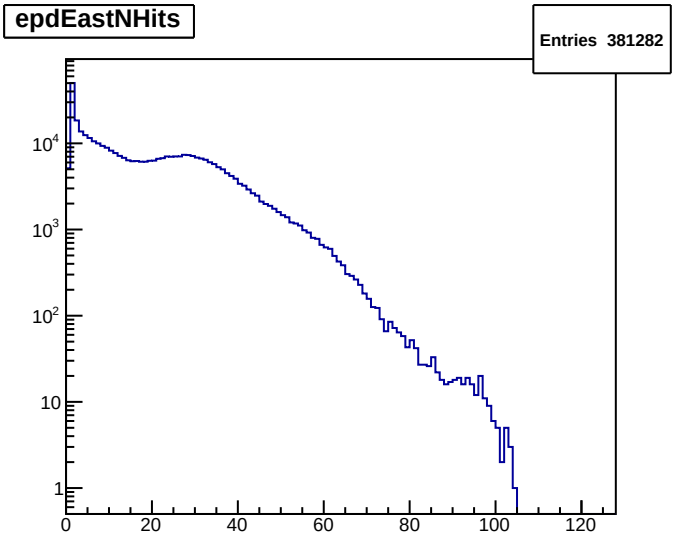

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

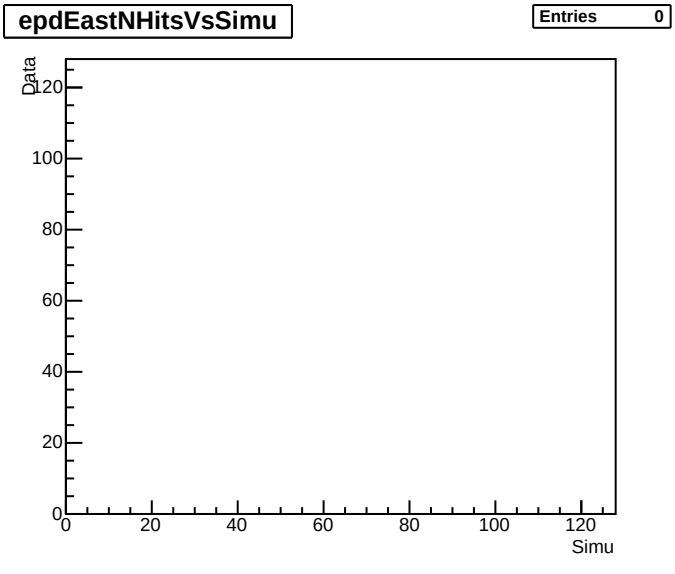

epdEastTac03
Entries 381282
$10^4$
$10^3$
$10^2$
10
0 500 1000 1500 2000 2500 3000 3500 4000

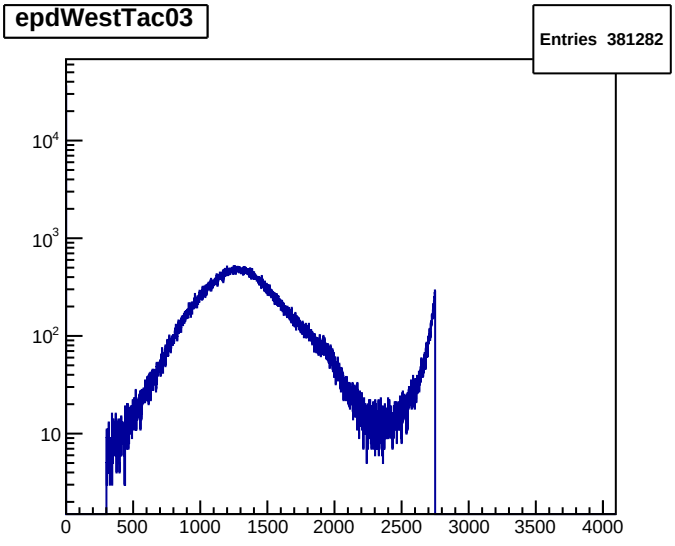

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

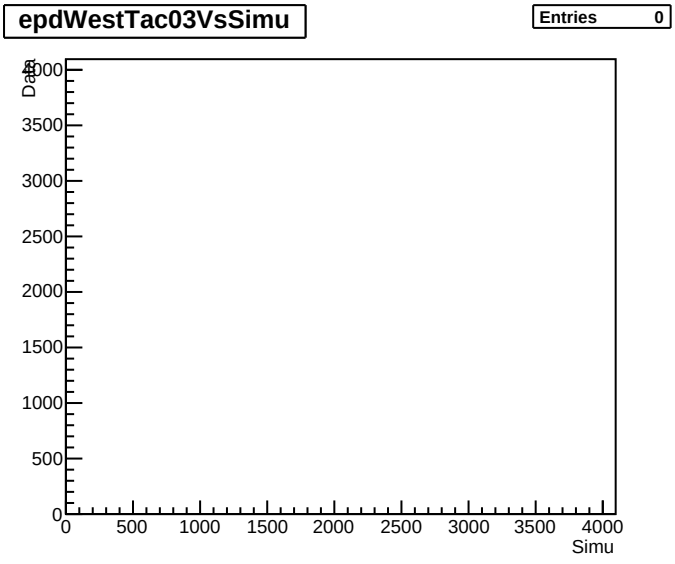

epdEastTac47
Entries 381282
$10^4$
$10^3$
$10^2$
10
0 500 1000 1500 2000 2500 3000 3500 4000


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 381282
$10^4$
$10^3$
$10^2$
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 381282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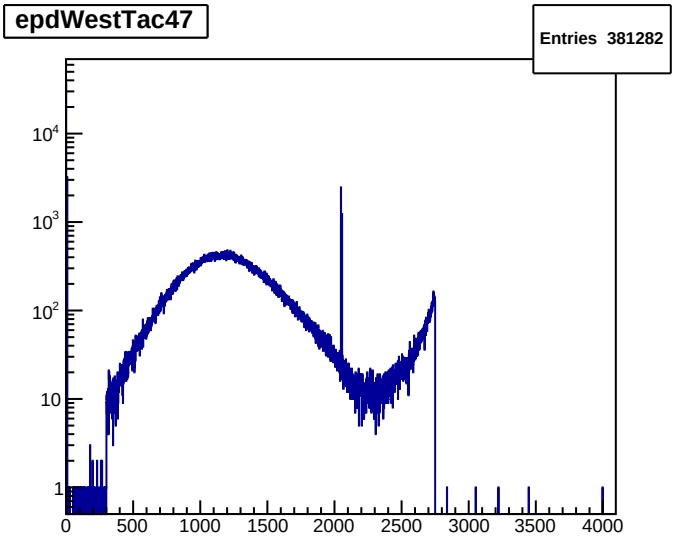
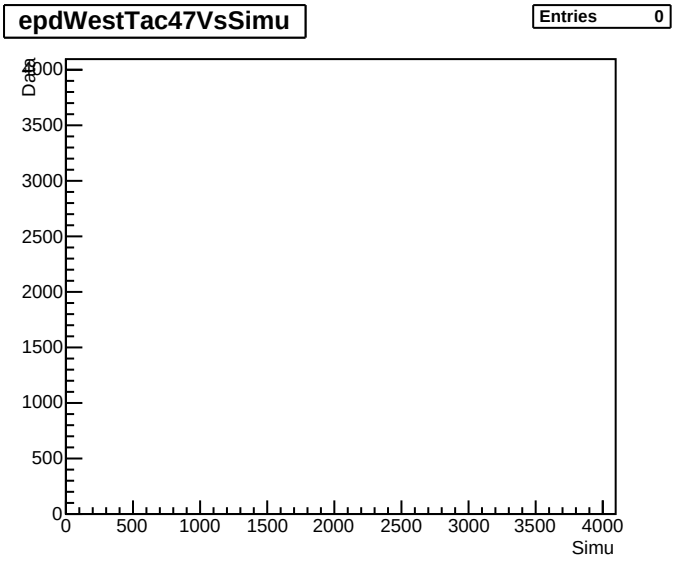
Entries 0
Data
Simu


epdWestTac47
Entries 381282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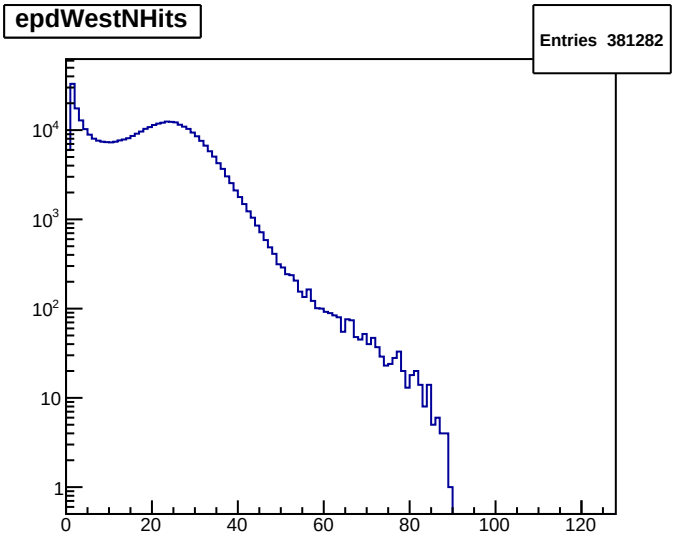
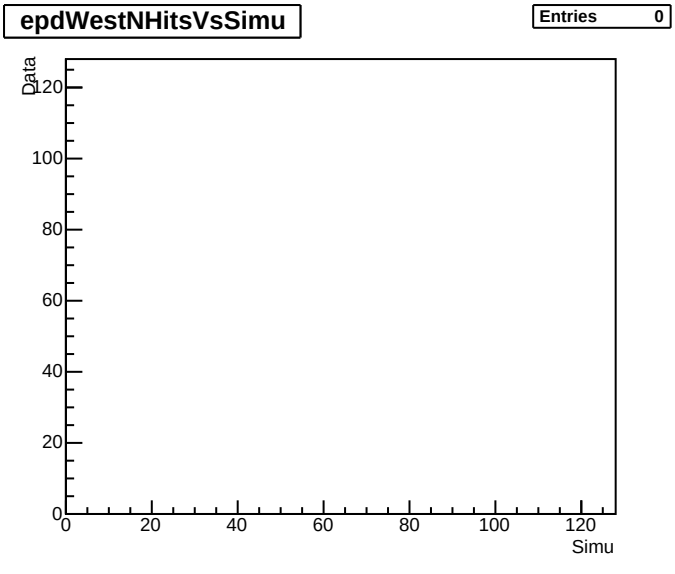
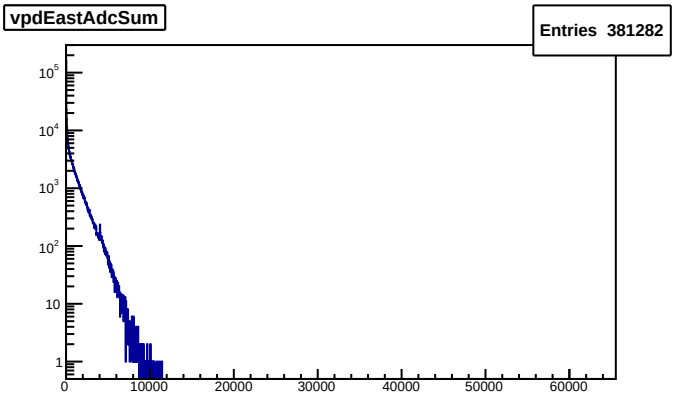
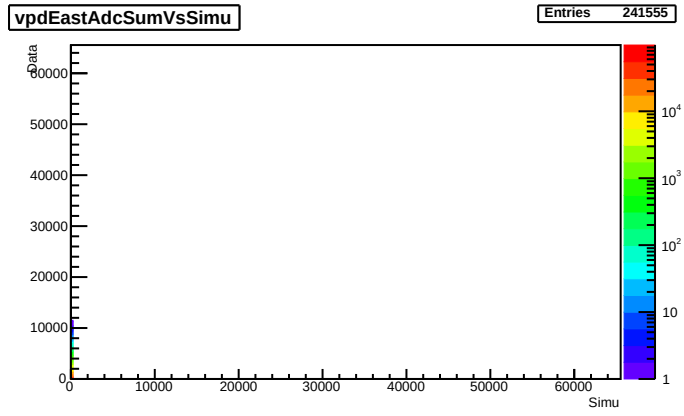
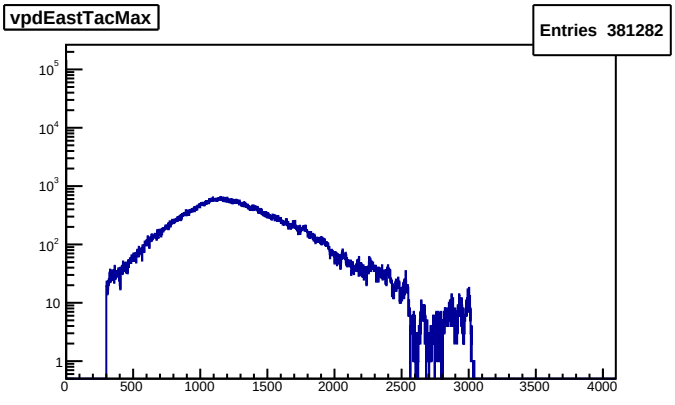
Entries 0
Data
Simu

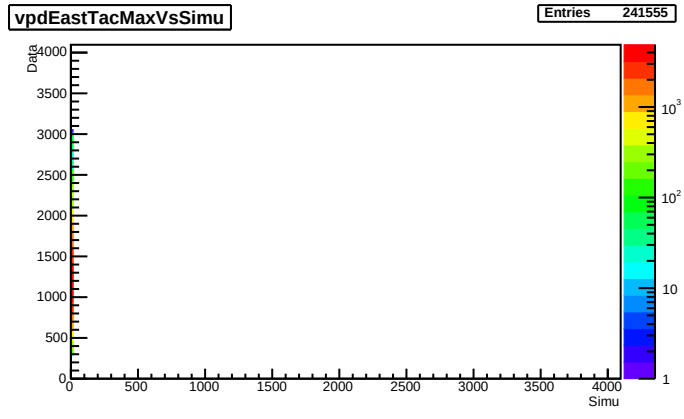

epdWestNHits
Entries 381282

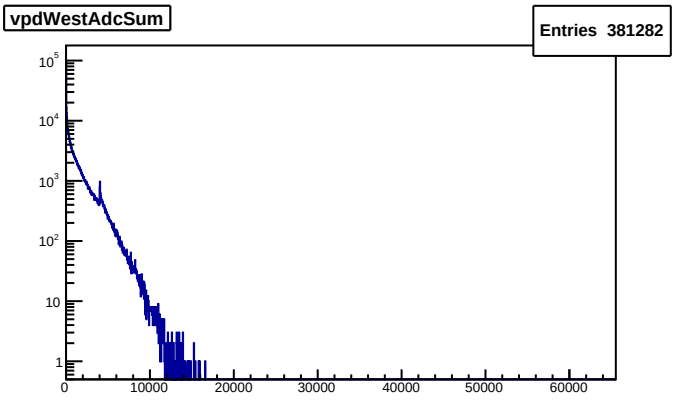

epdWestNHitsVsSimu
Entries 0
Data
Simu

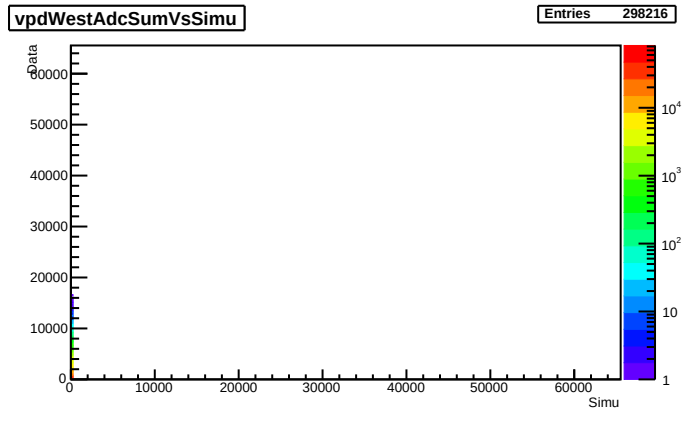

vpdEastAdcSum
Entries 381282

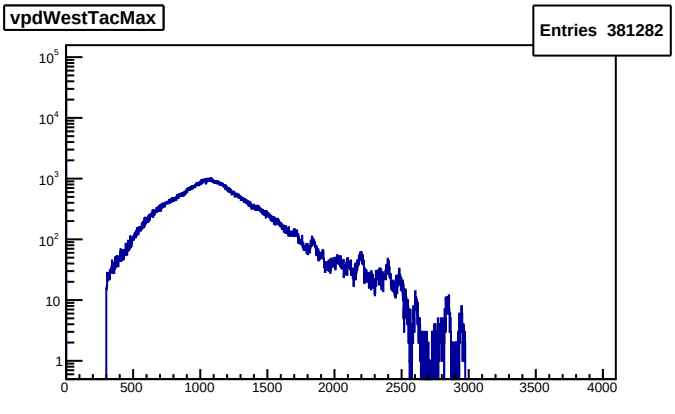

vpdEastAdcSumVsSimu
Entries 241555
Data
Simu

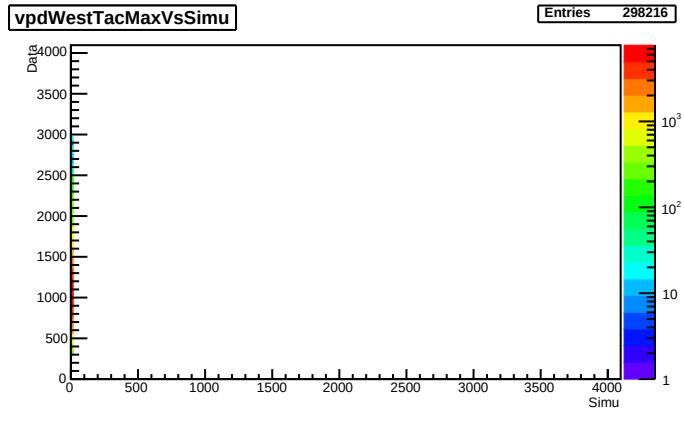

vpdEastTacMax
Entries 381282

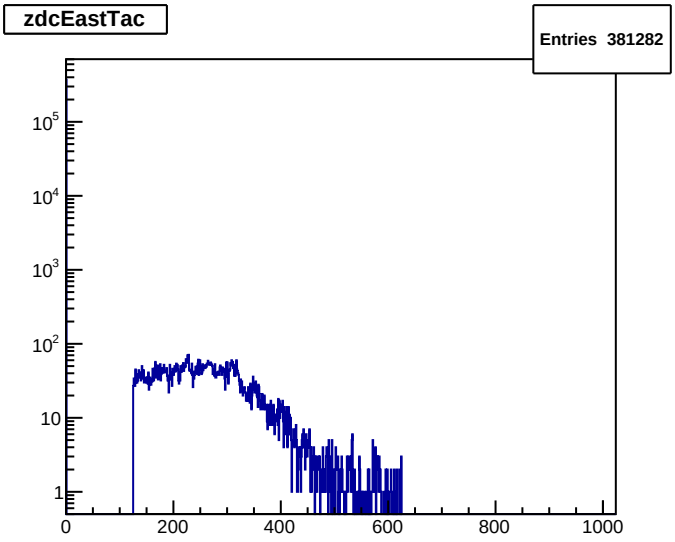

vpdEastTacMaxVsSimu
Entries 241555
Data
Simu

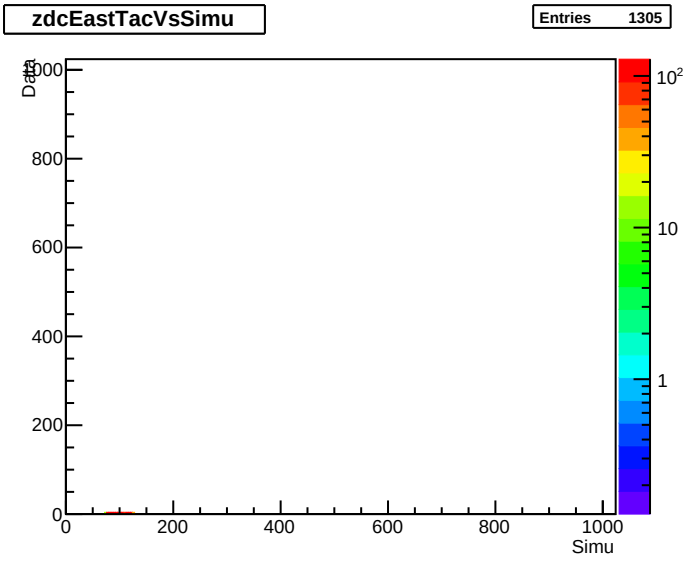

vpdWestAdcSum
Entries 381282

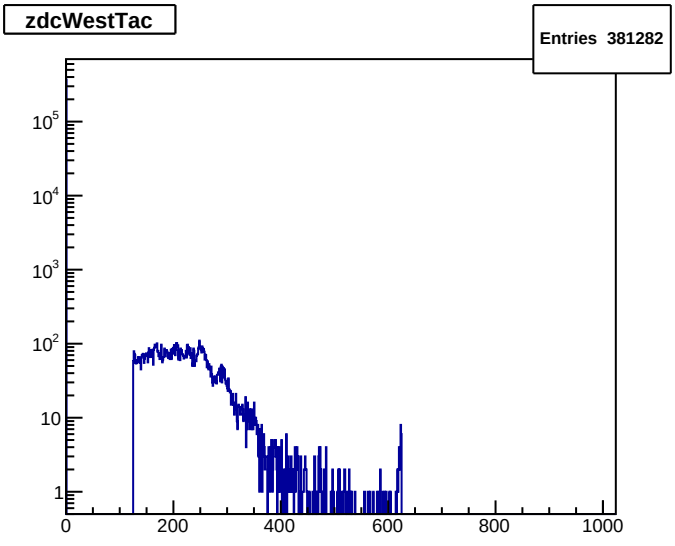

vpdWestAdcSumVsSimu
Entries 298216
Data
Simu

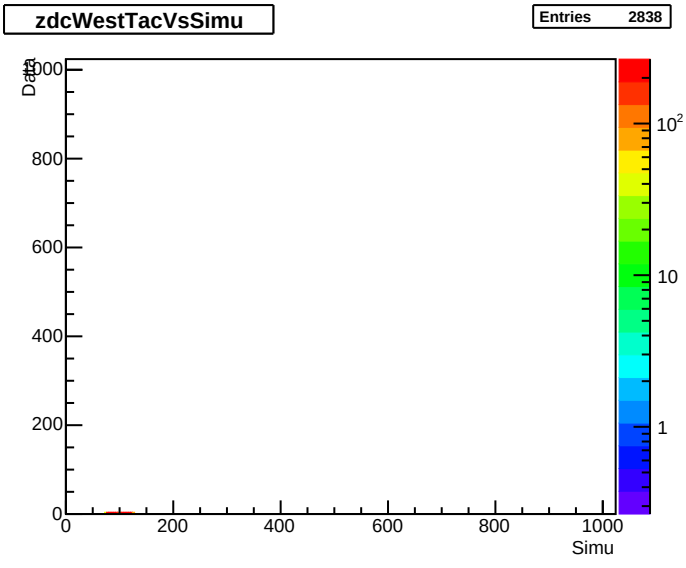

vpdWestTacMax
Entries 381282

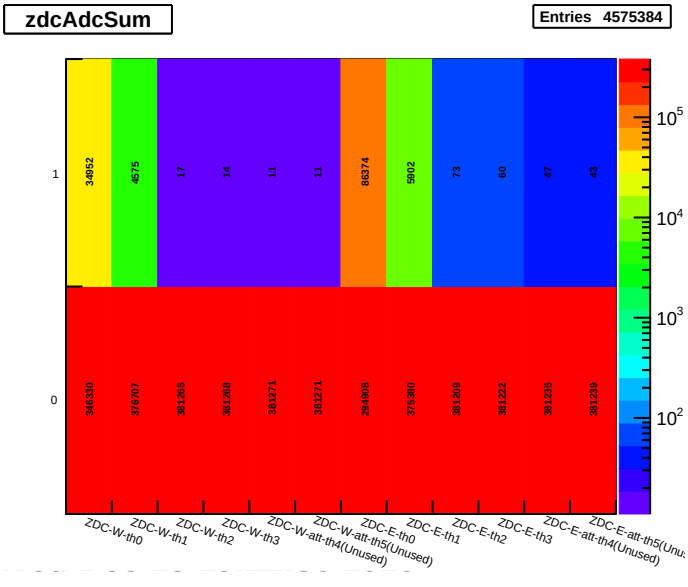

vpdWestTacMaxVsSimu
Entries 298216
Data
Simu

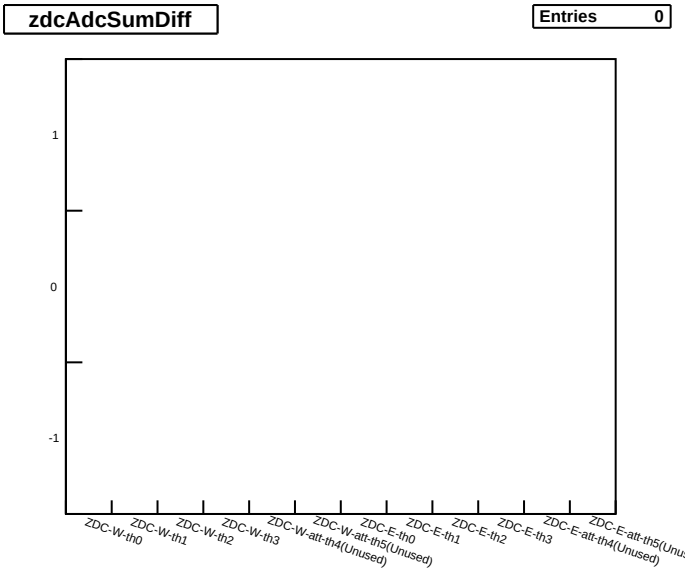

zdcEastTac
Entries 381282

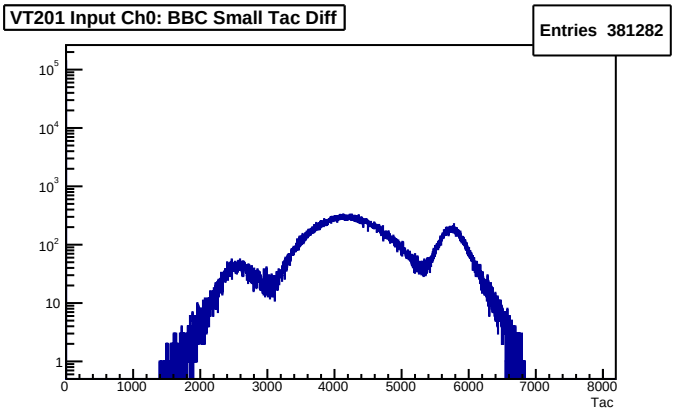

zdcEastTacVsSimu
Entries 1305
Data
Simu

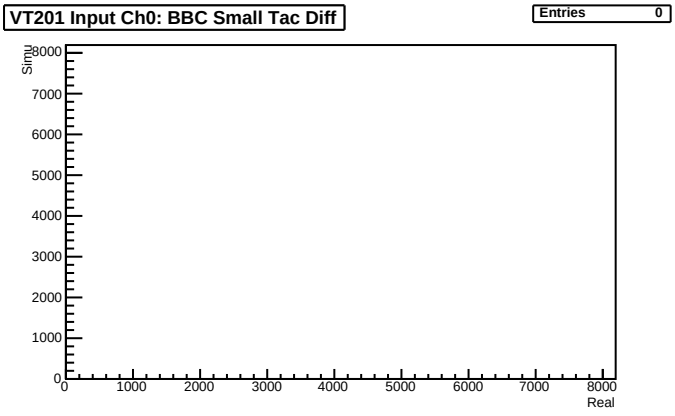

zdcWestTac
Entries 381282

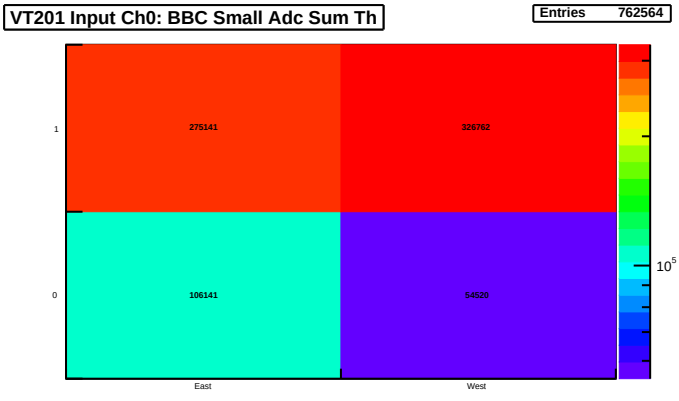

zdcWestTacVsSimu
Entries 2838
Data
Simu

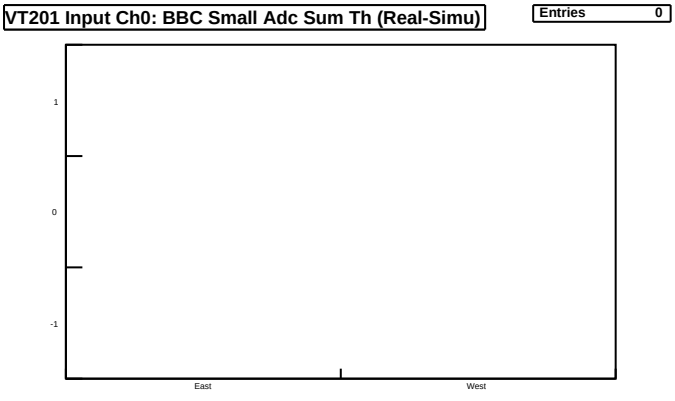

zdcAdcSum
Entries 4575384
34952
4575
17
14
11
11
86374
5902
73
60
47
43
346330
376707
381265
381268
381271
381271
294908
375380
381209
381222
381235
381239
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

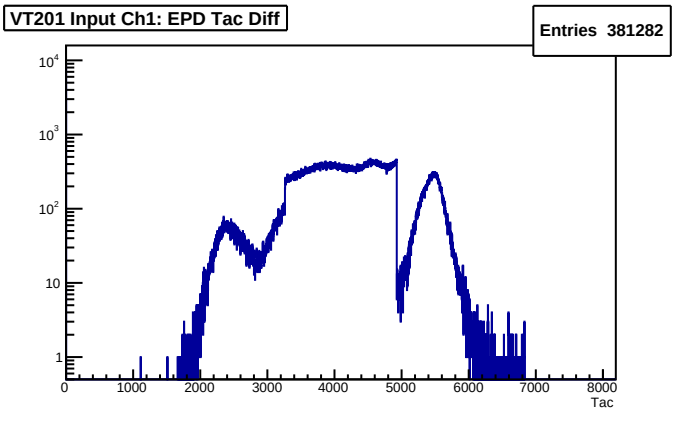

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

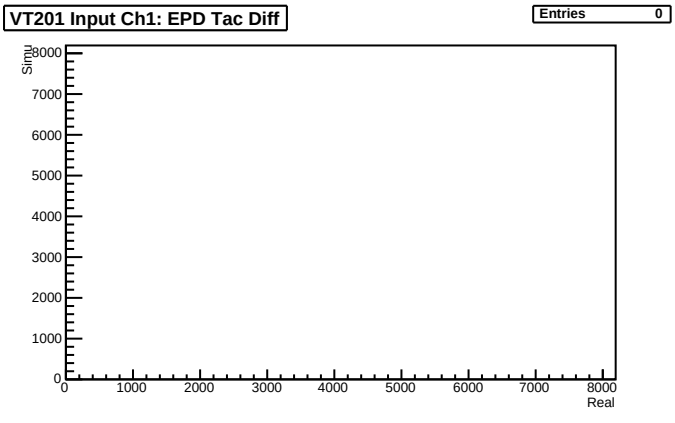

VT201 Input Ch0: BBC Small Tac Diff
Entries 381282
Tac

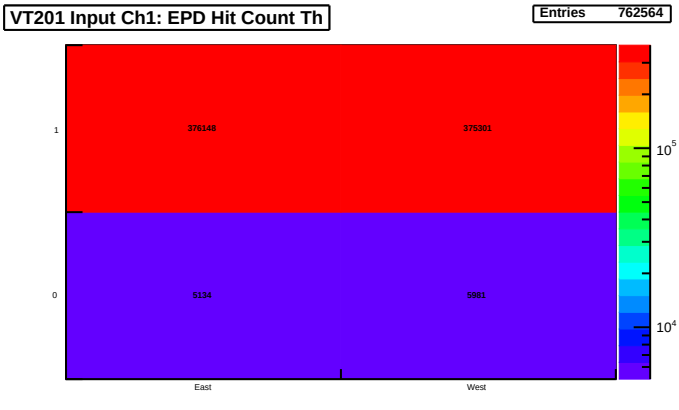

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

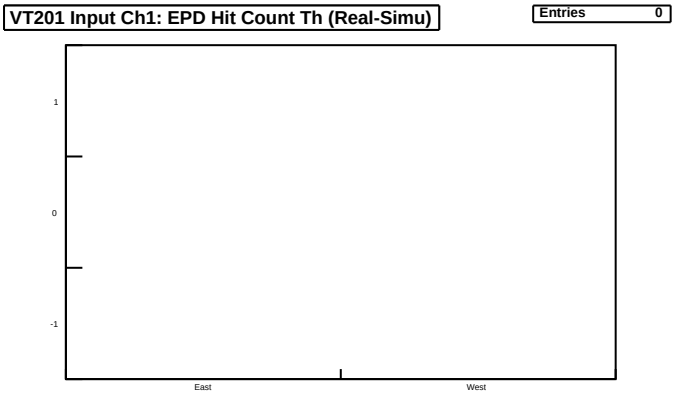

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 762564
275141
326762
106141
54520
East
West

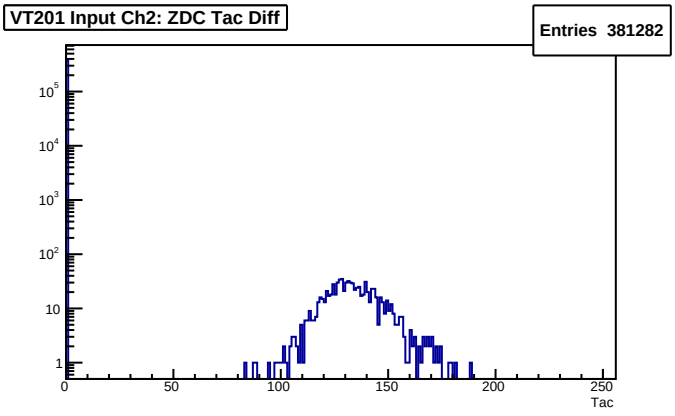

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

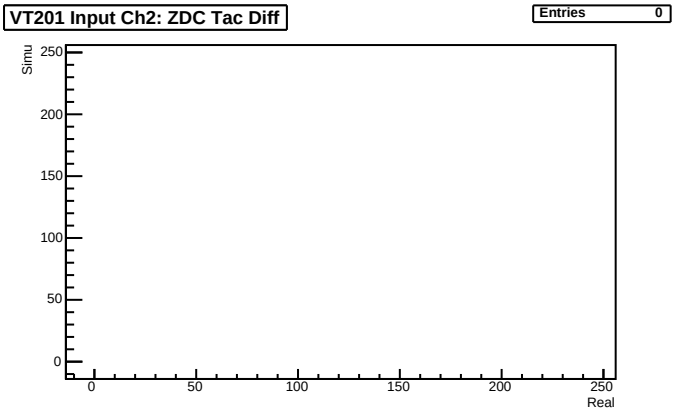

VT201 Input Ch1: EPD Tac Diff
Entries 381282
Tac

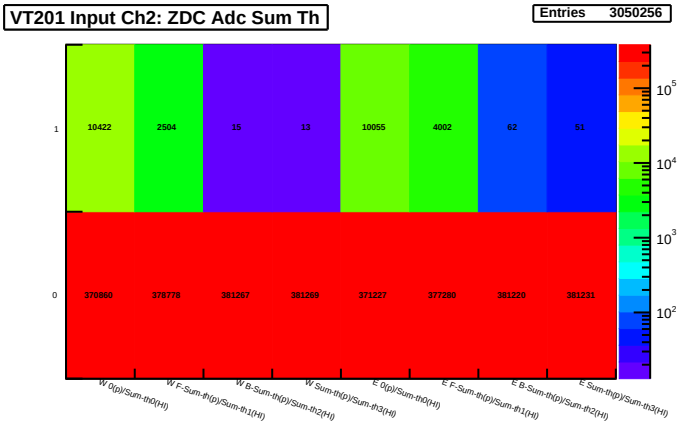

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

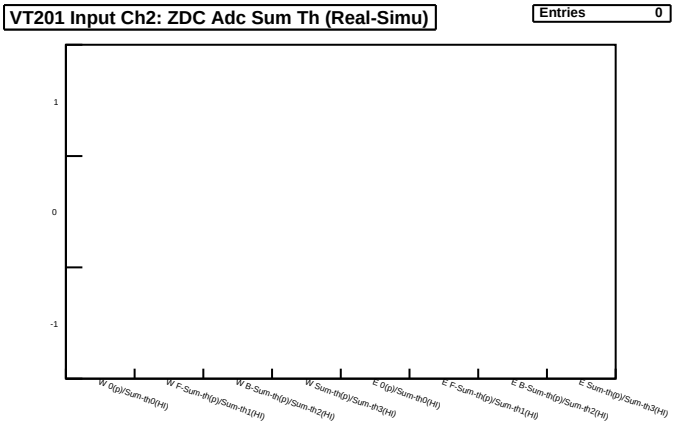

VT201 Input Ch1: EPD Hit Count Th
Entries 762564
376148
375301
5134
5981
East
West

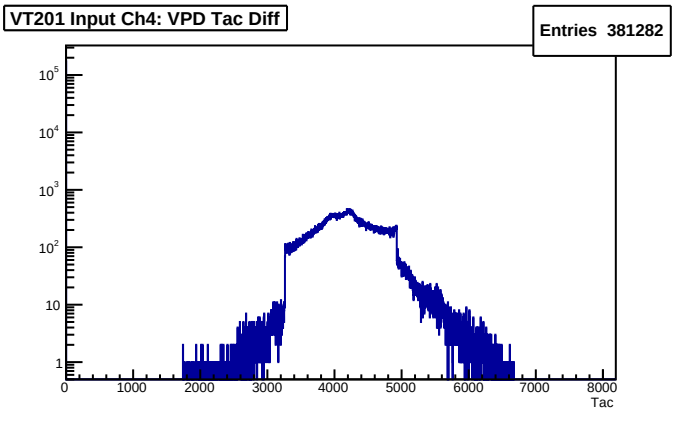

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

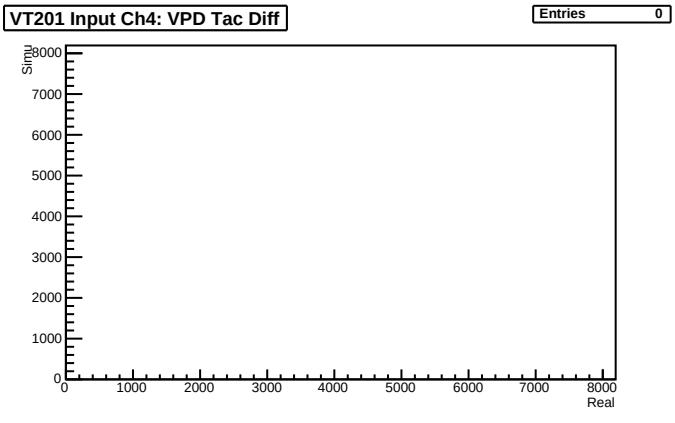

VT201 Input Ch2: ZDC Tac Diff
Entries 381282
Tac

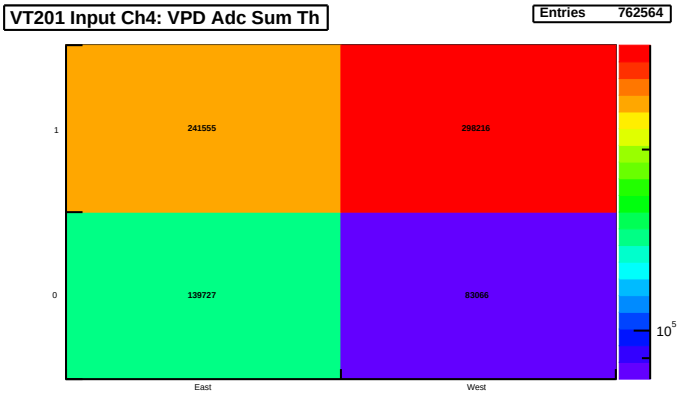

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

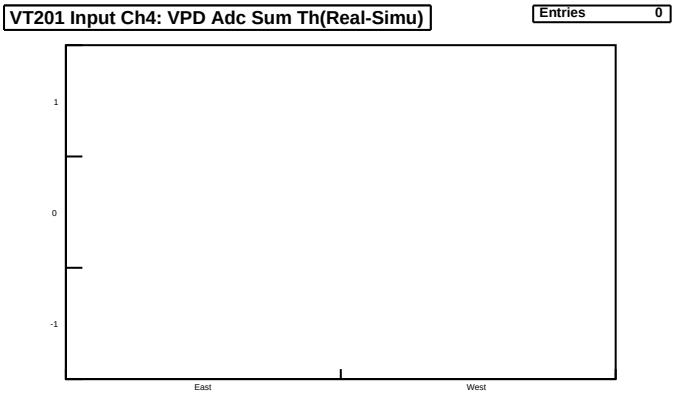

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3050256
10422
2504
15
13
10055
4002
62
51
370860
378778
381267
381269
371227
377280
381220
381231
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

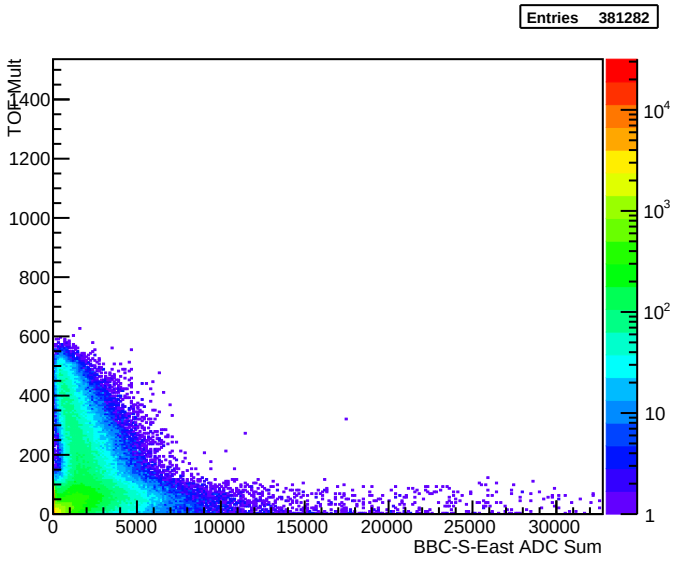

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

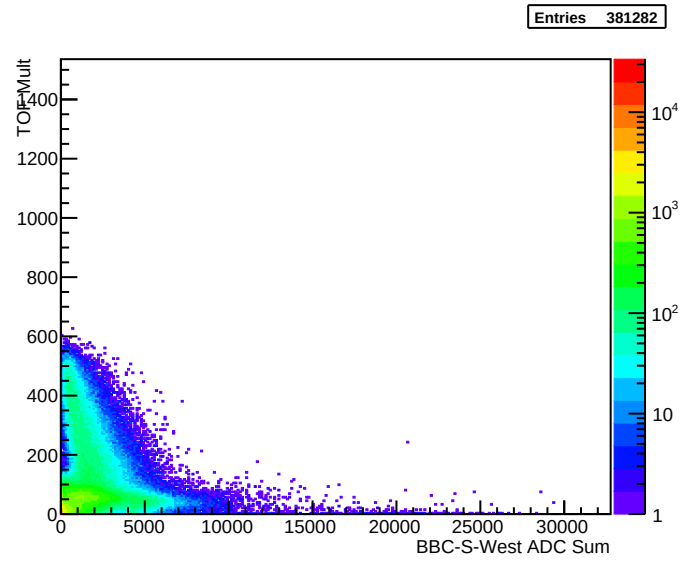

VT201 Input Ch4: VPD Tac Diff
Entries 381282
Tac

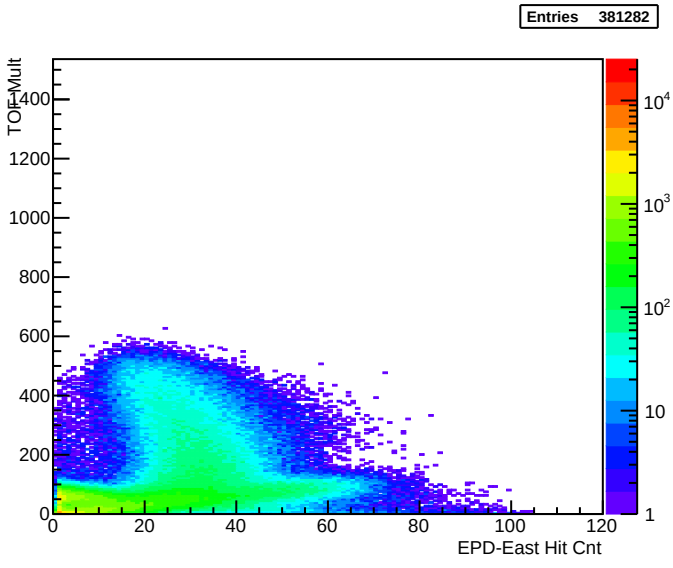

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

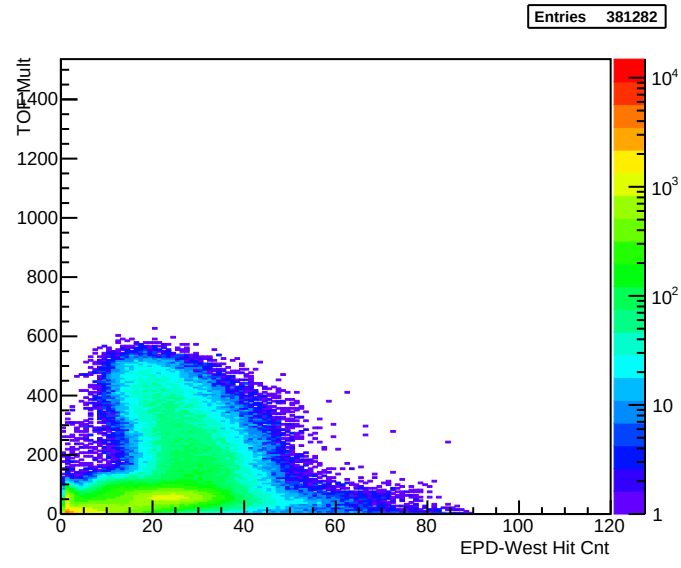

VT201 Input Ch4: VPD Adc Sum Th
Entries 762564
241555
298216
139727
83066
East
West

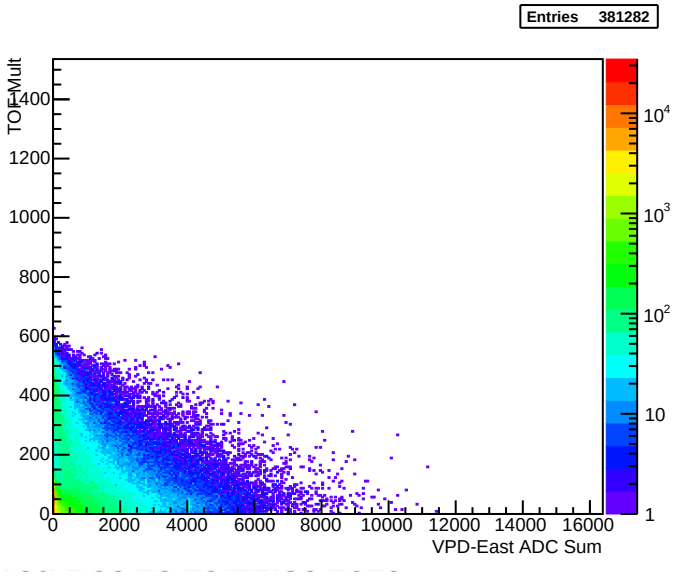

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

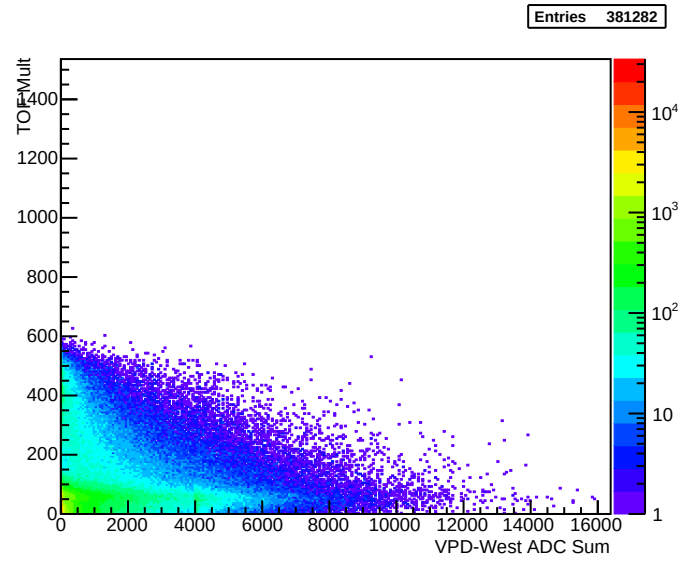

Entries 381282
TOF-Mult
BBC-S-East ADC Sum

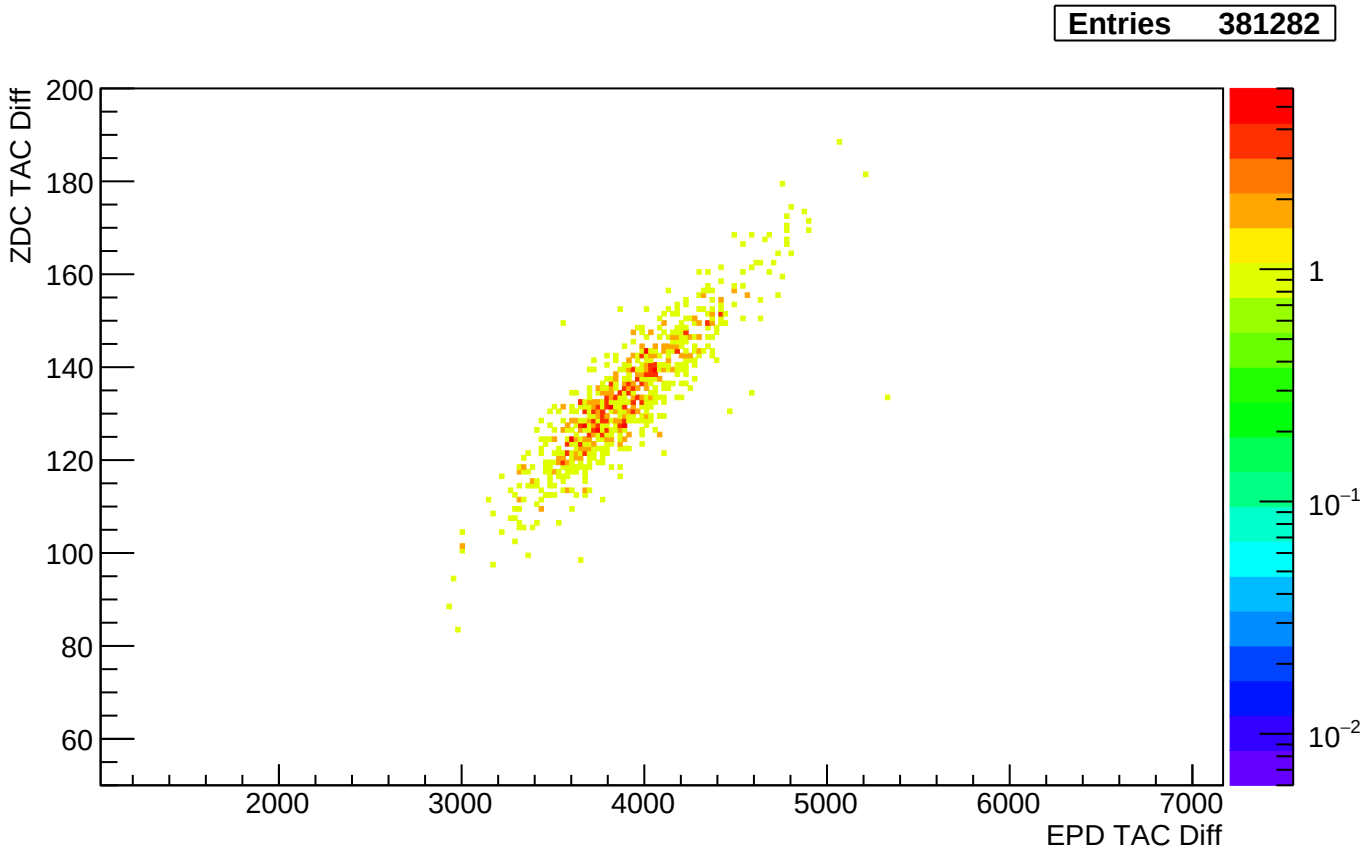

Entries 381282
TOF-Mult
BBC-S-West ADC Sum

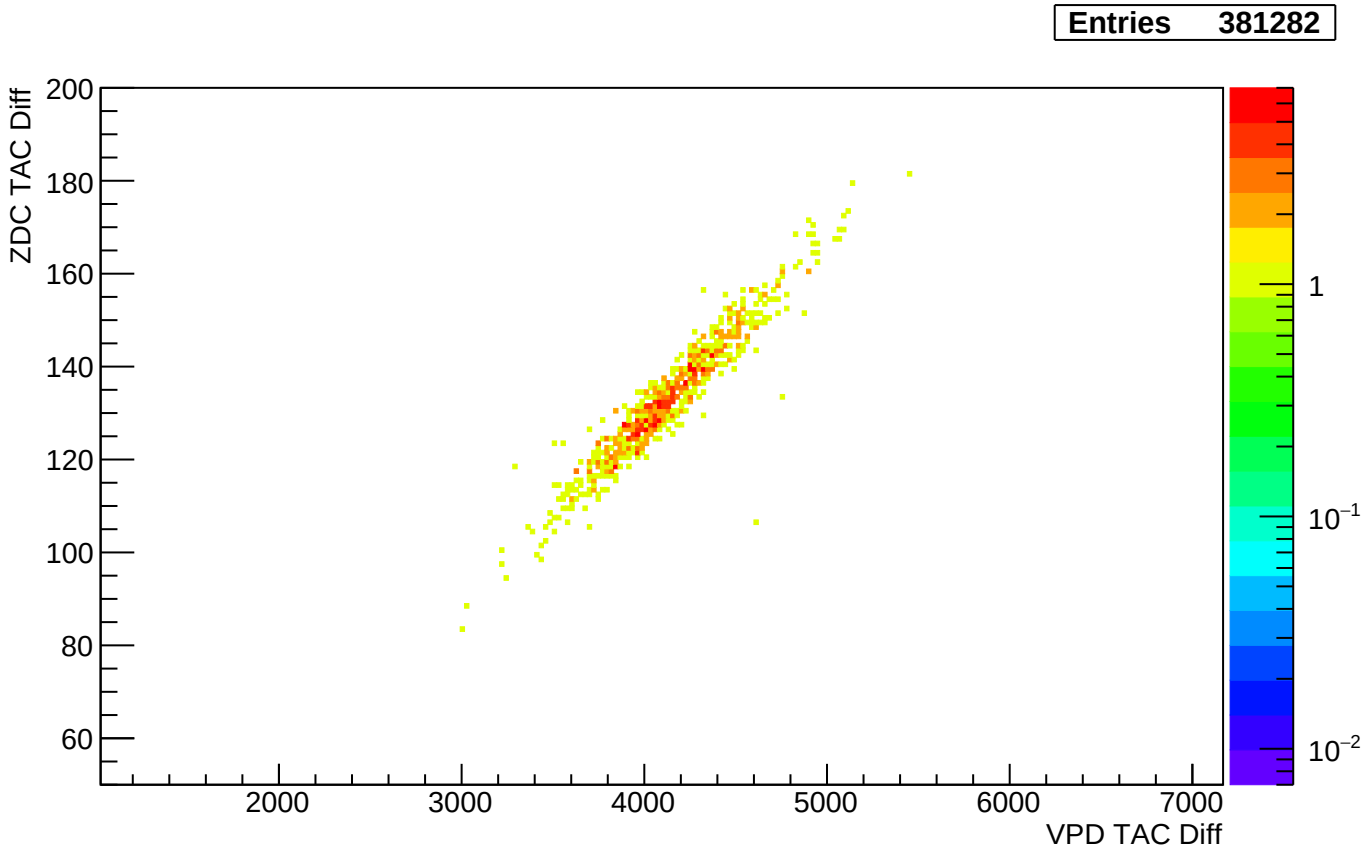

Entries 381282
TOF-Mult
EPD-East Hit Cnt

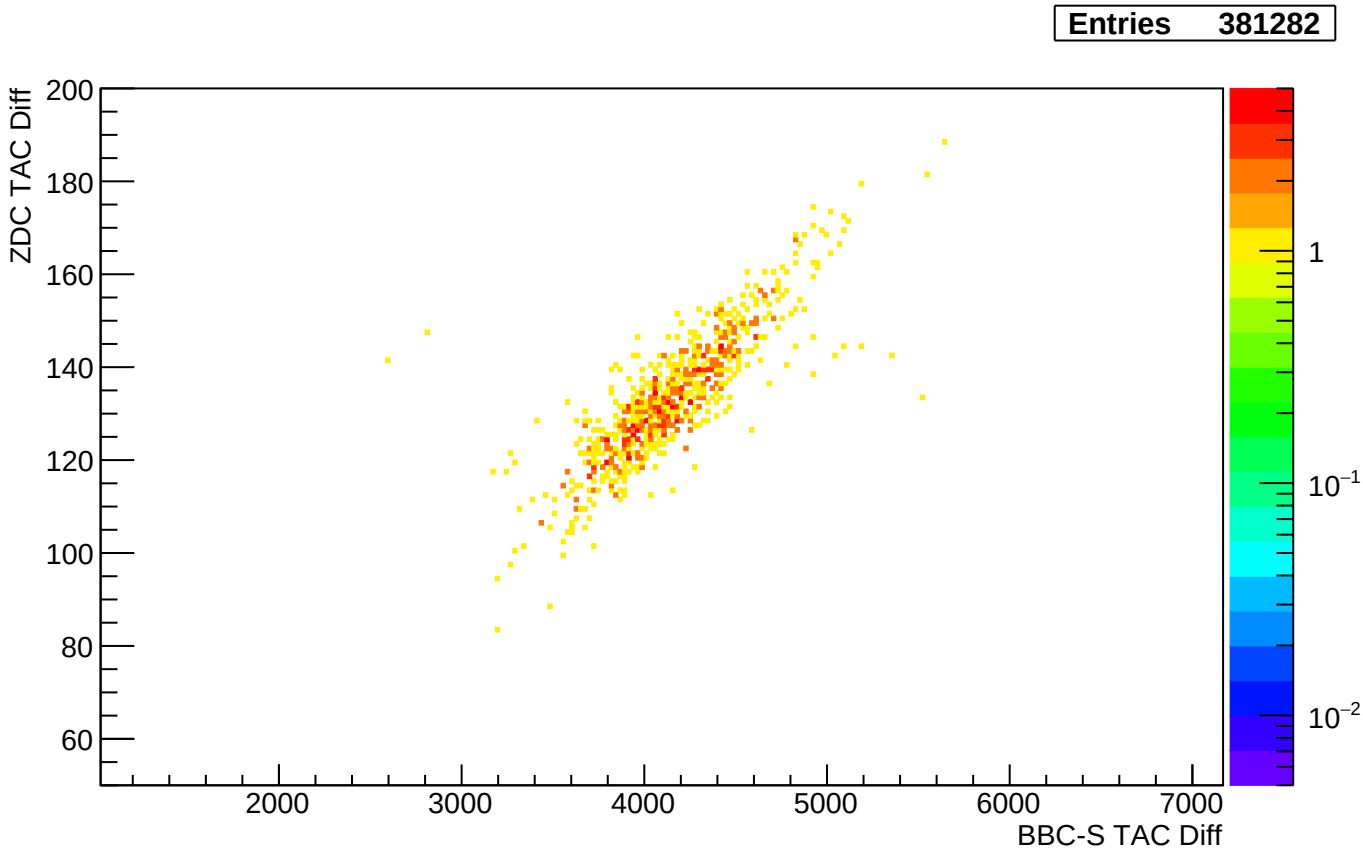

Entries 381282
TOF-Mult
EPD-West Hit Cnt

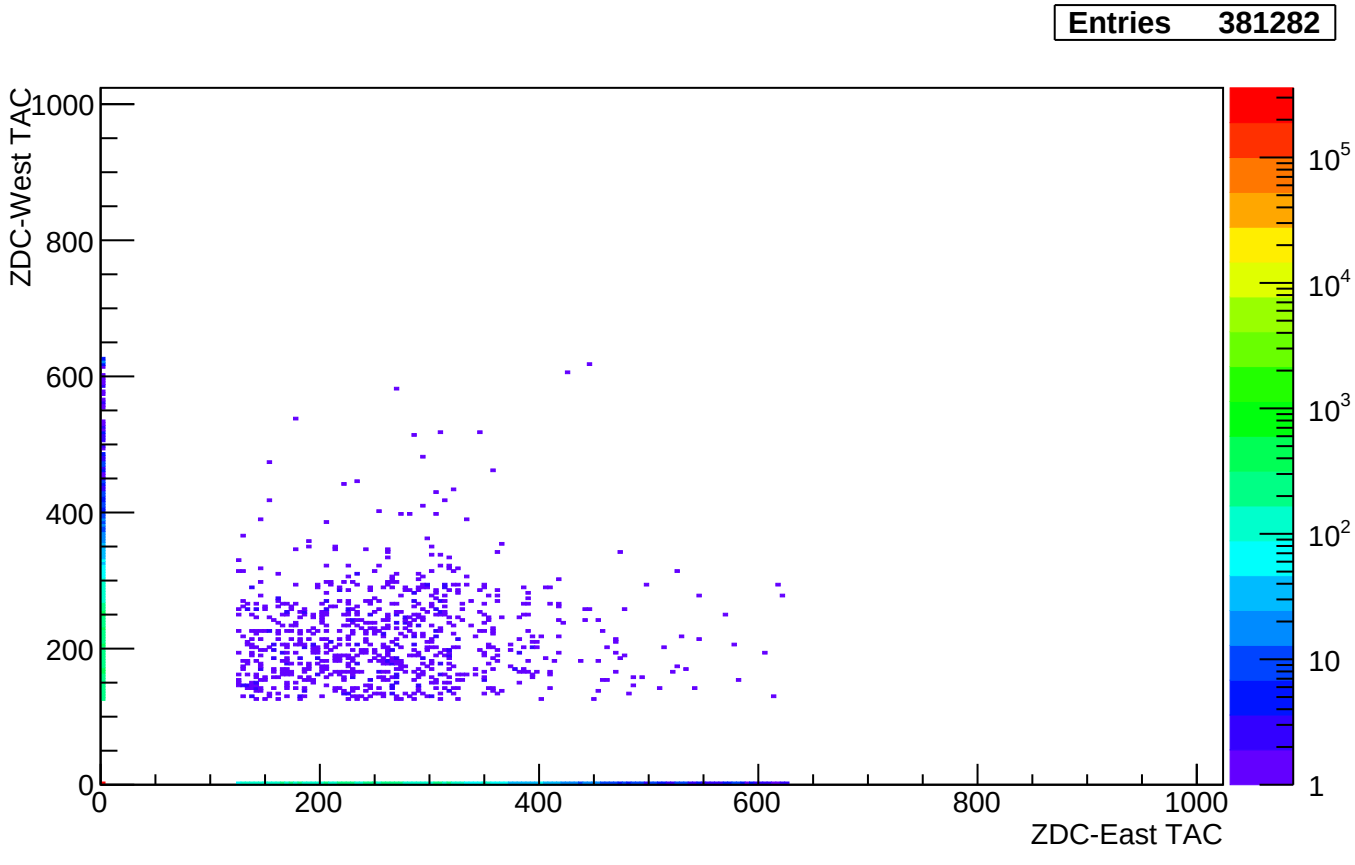

Entries 381282
TOF-Mult
VPD-East ADC Sum

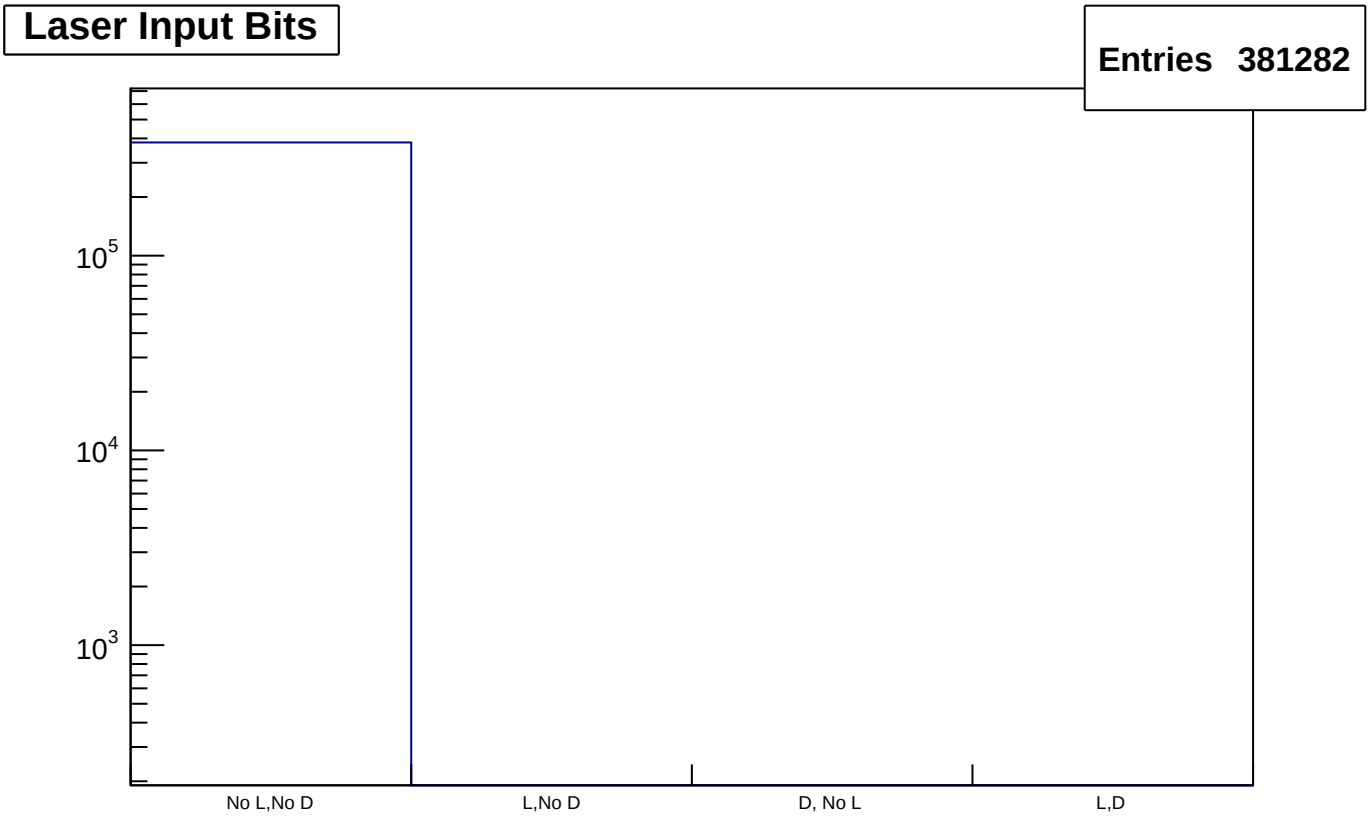

Entries 381282
TOF-Mult
VPD-West ADC Sum

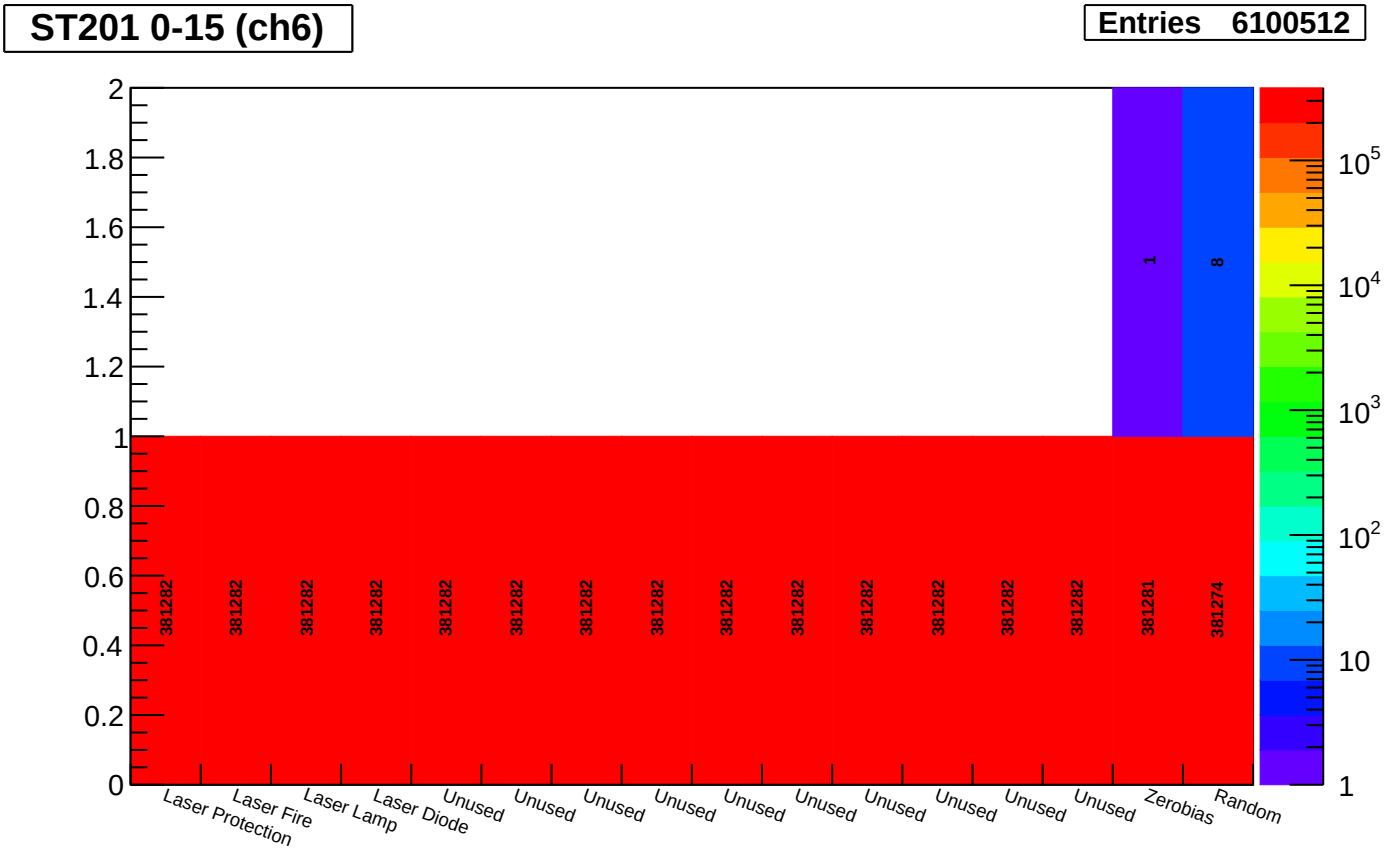

Entries 381282
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

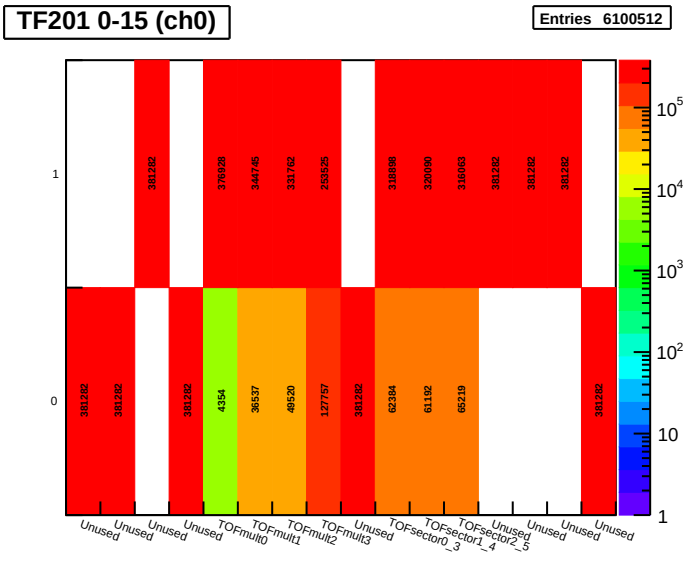

Entries 381282
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

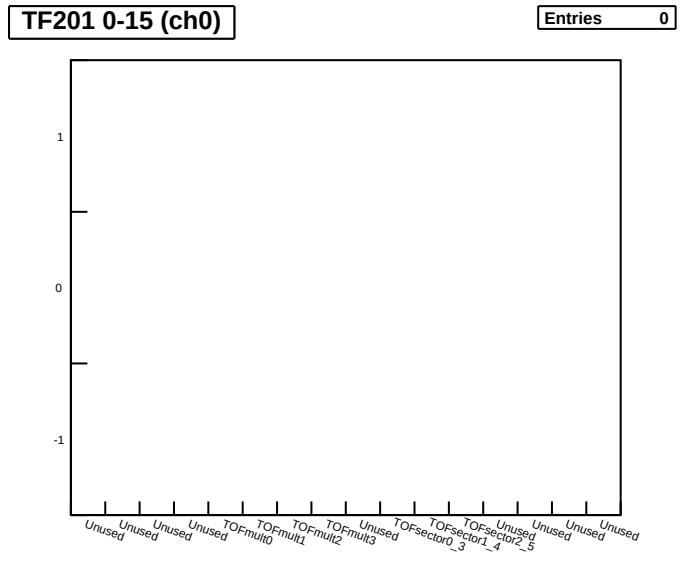

Entries 381282
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$

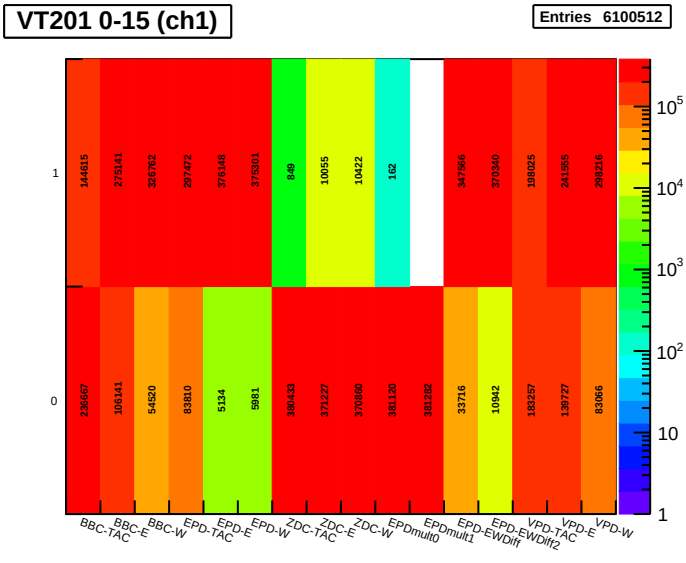

Entries 381282
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

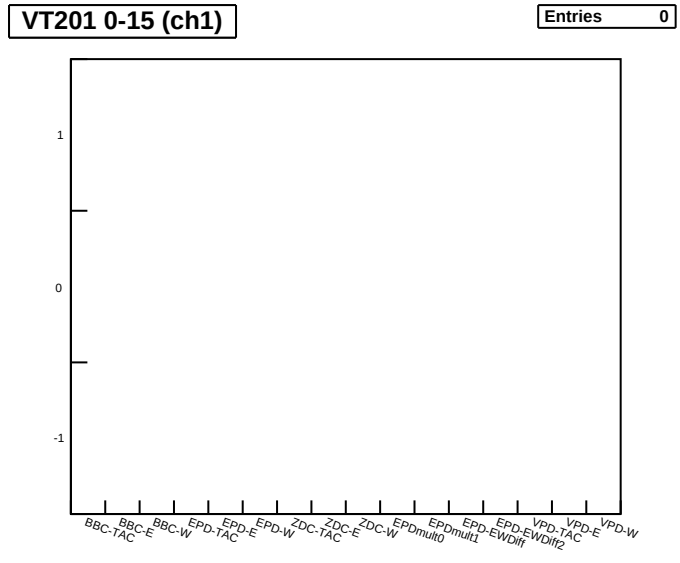

Laser Input Bits
Entries 381282
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

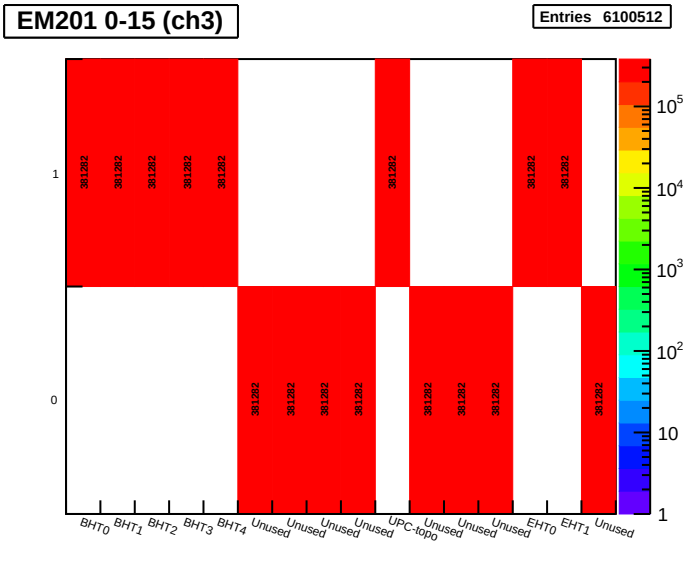

ST201 0-15 (ch6)
Entries 6100512
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381281
381274
1
8
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

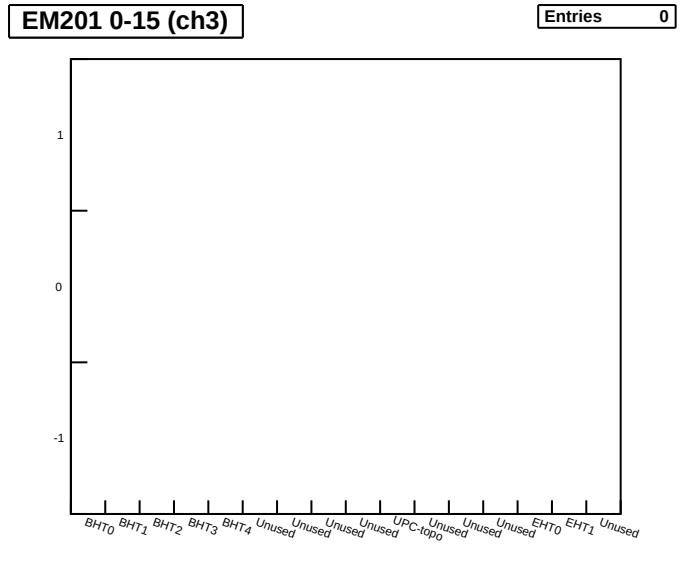

TF201 0-15 (ch0)
Entries 6100512
1
0
381282
376928
344745
331762
253525
318898
320090
316063
381282
381282
381282
381282
381282
381282
4354
36537
49520
127757
381282
62384
61192
65219
381282
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 6100512
1
0
144615
275141
326762
297472
376148
375301
849
10055
10422
162
347566
370340
198025
241555
298216
236667
106141
54520
83810
5134
5981
380433
371227
370860
381120
381282
33716
10942
183257
139727
83066
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 6100512
1
0
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
381282
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