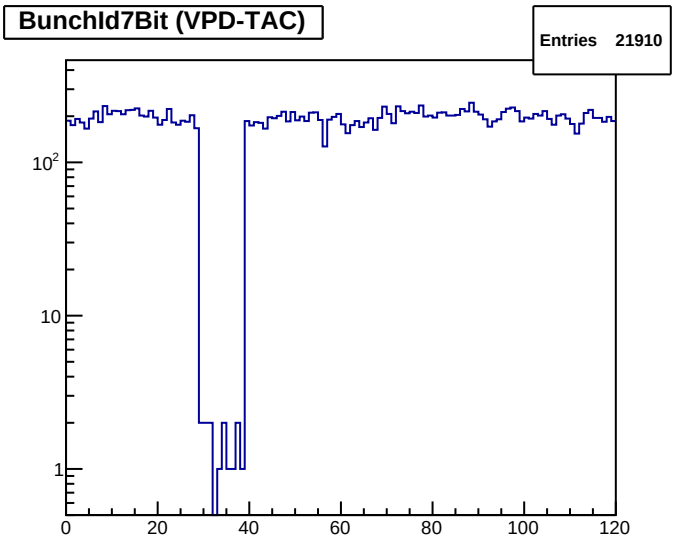
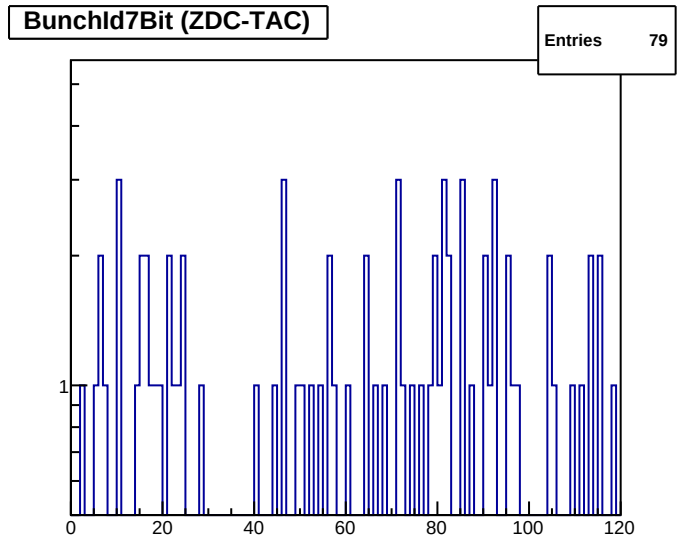
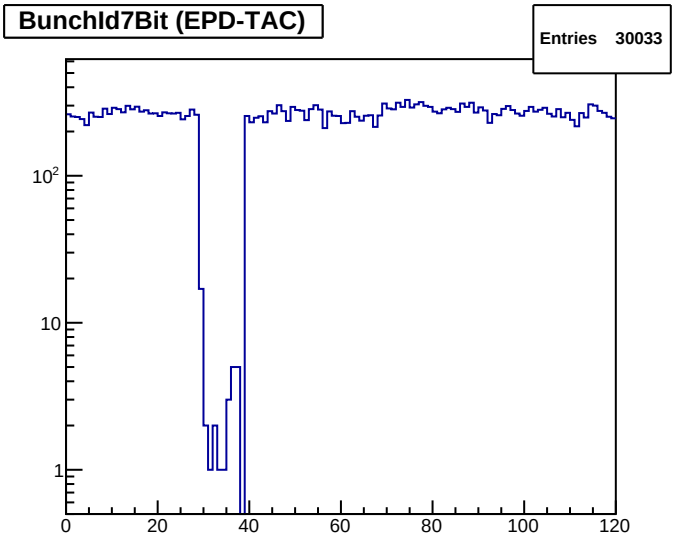
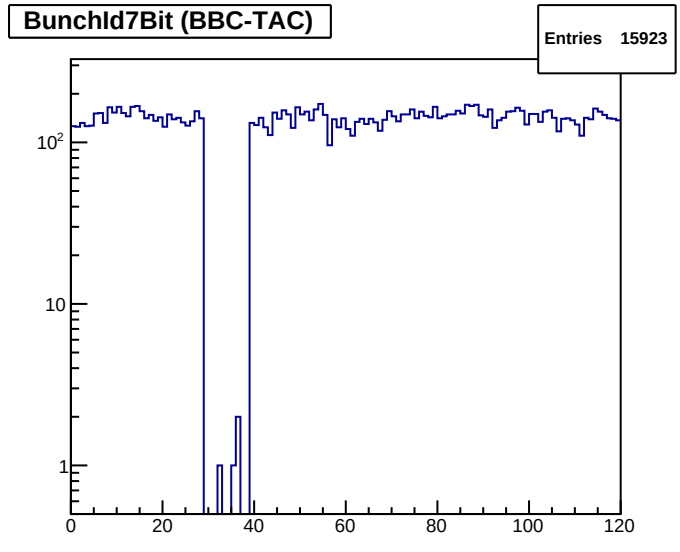
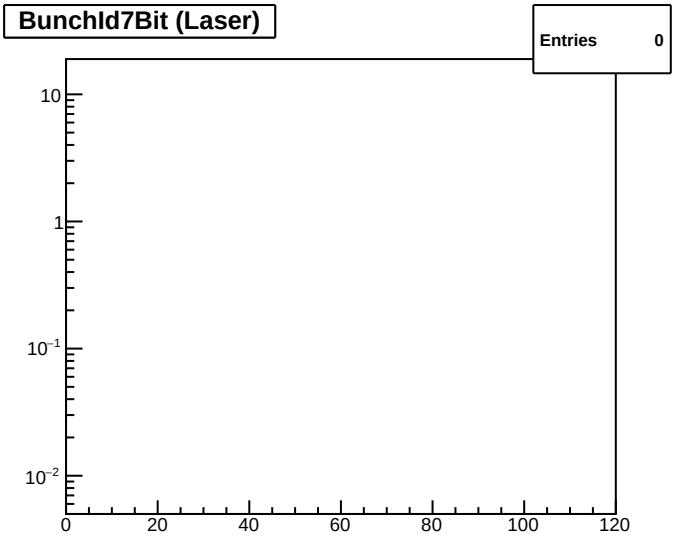
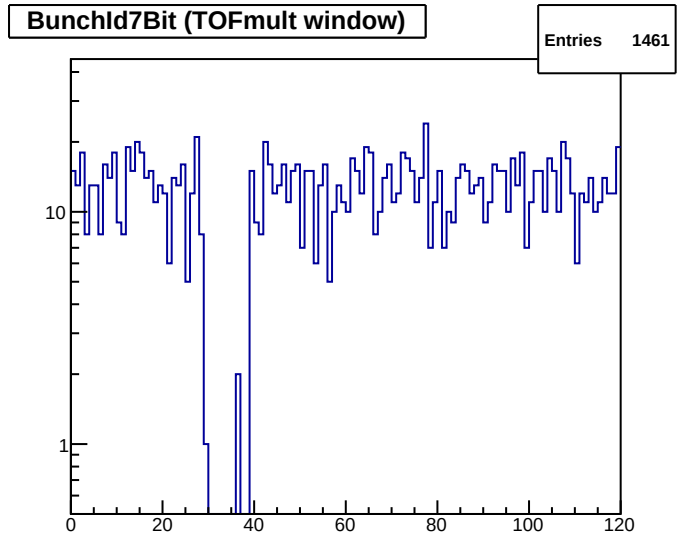

BunchId7Bit (VPD-TAC)
Entries 21910
10^2
10
1
0
20
40
60
80
100
120

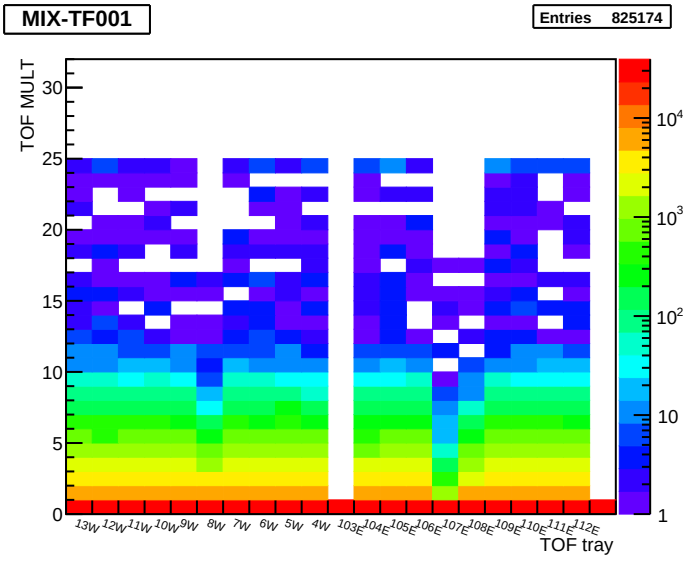

BunchId7Bit (ZDC-TAC)
Entries 79
1
0
20
40
60
80
100
120

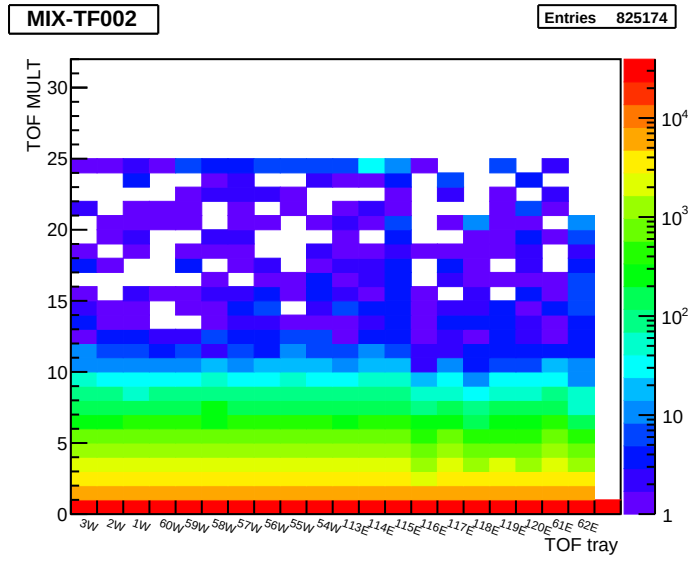

BunchId7Bit (EPD-TAC)
Entries 30033
10^2
10
1
0
20
40
60
80
100
120

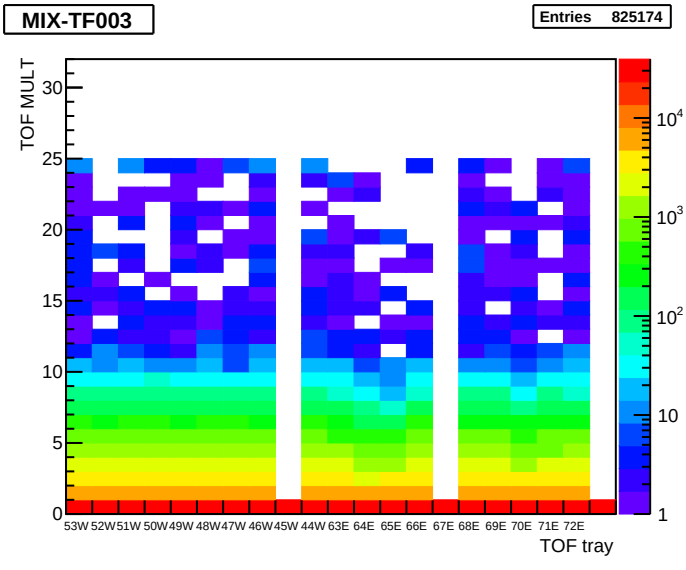

BunchId7Bit (BBC-TAC)
Entries 15923
10^2
10
1
0
20
40
60
80
100
120

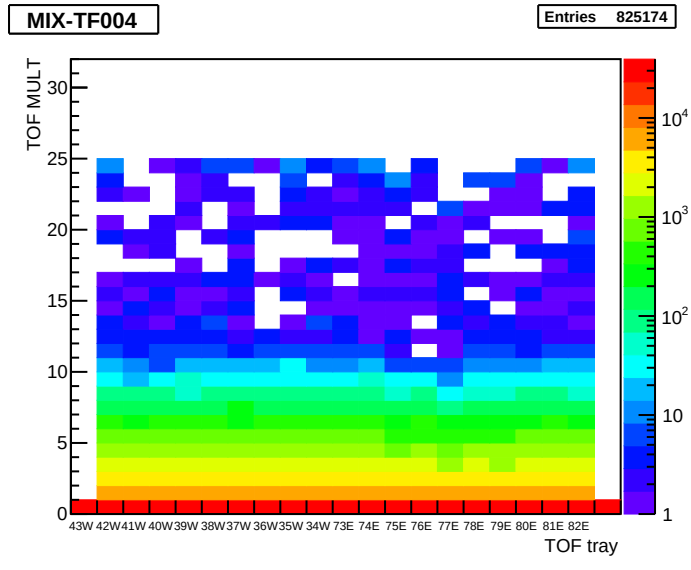

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

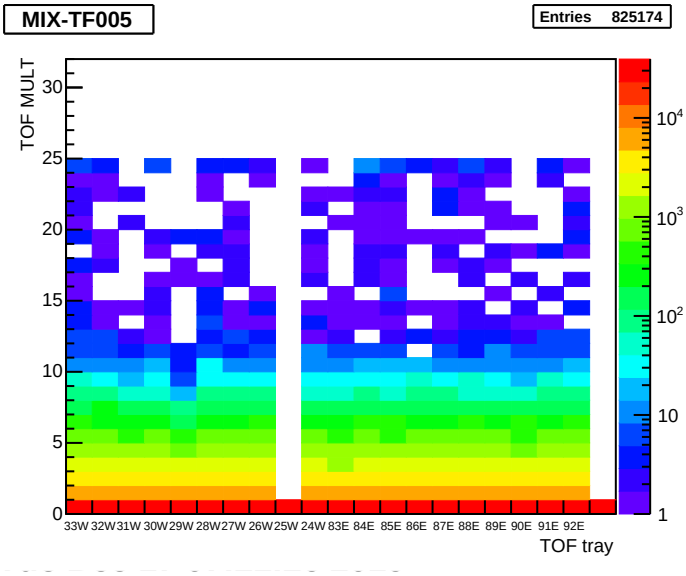

BunchId7Bit (TOFmult window)
Entries 1461
10
1
0
20
40
60
80
100
120

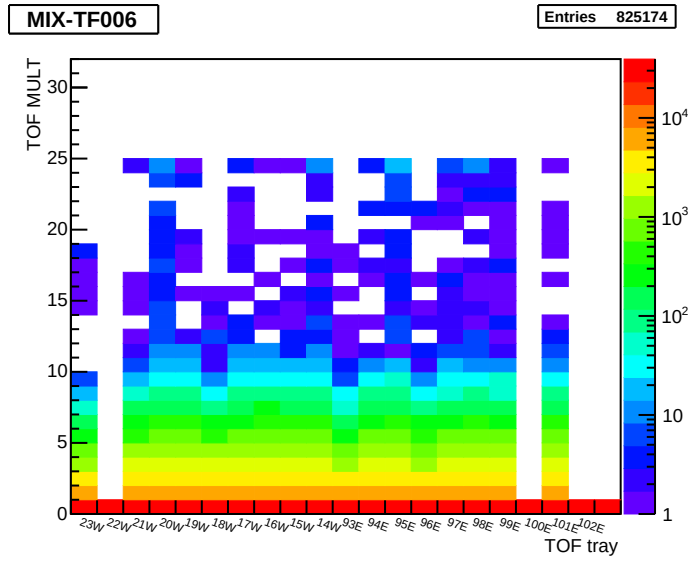

MIX-TF001
Entries 825174
TOF MULT
TOF tray

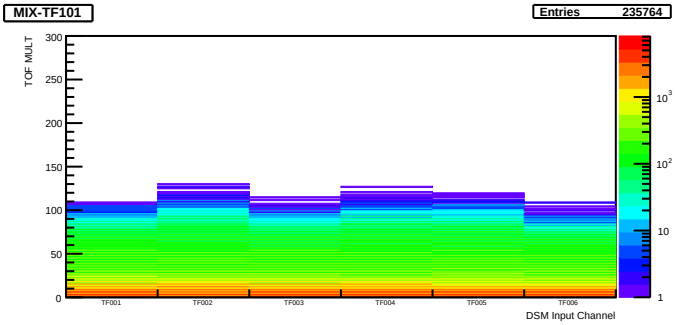

MIX-TF002
Entries 825174
TOF MULT
TOF tray

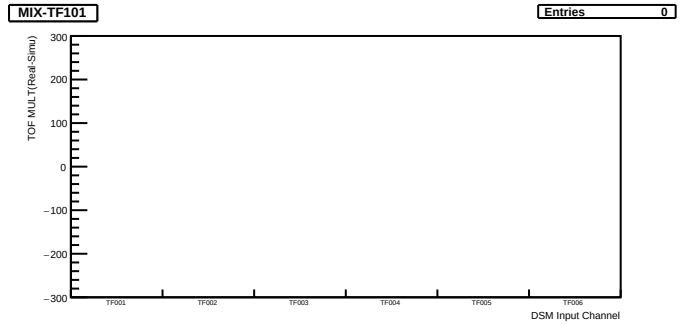

MIX-TF003
Entries 825174
TOF MULT
TOF tray

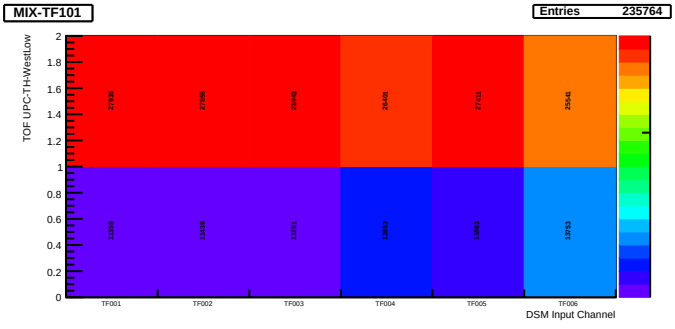

MIX-TF004
Entries 825174
TOF MULT
TOF tray

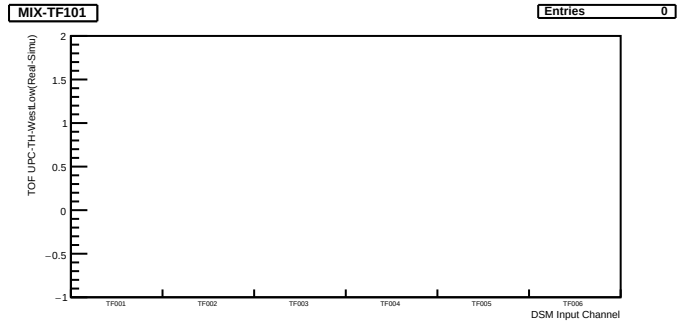

MIX-TF005
Entries 825174
TOF MULT
TOF tray

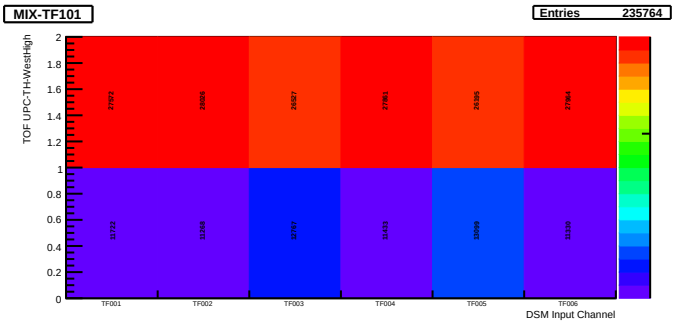

MIX-TF006
Entries 825174
TOF MULT
TOF tray

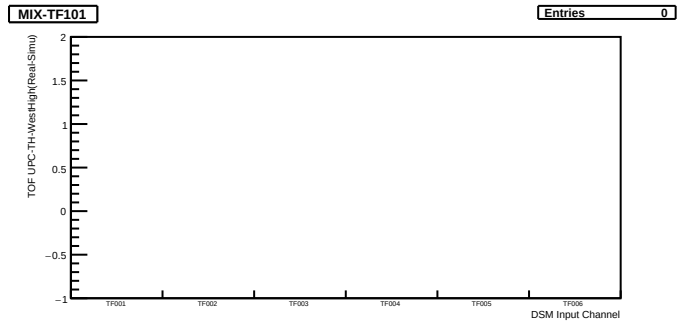

MIX-TF101
Entries 235764
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

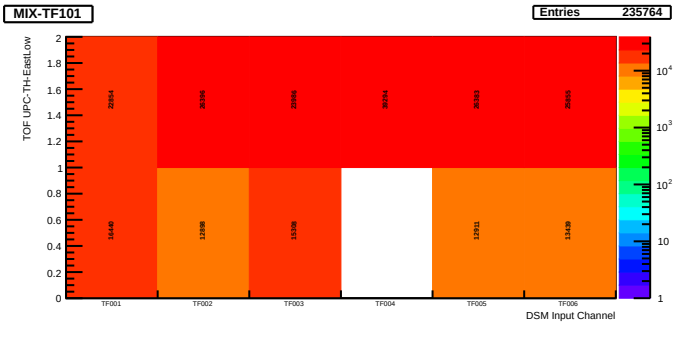

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

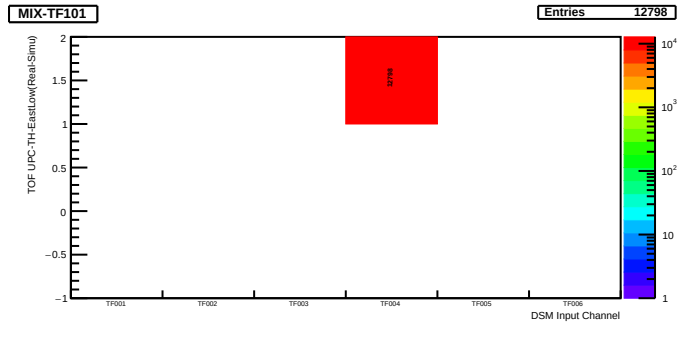

MIX-TF101
Entries 235764
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

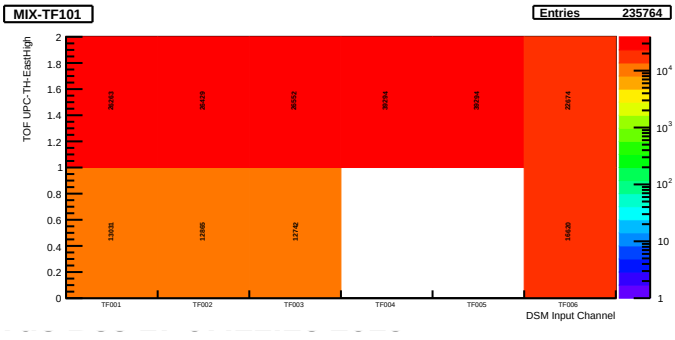

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

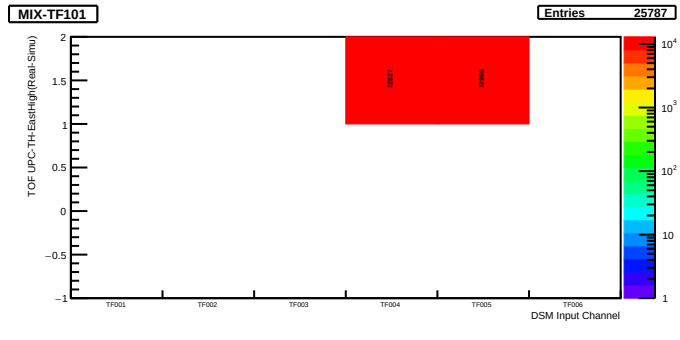

MIX-TF101
Entries 235764
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

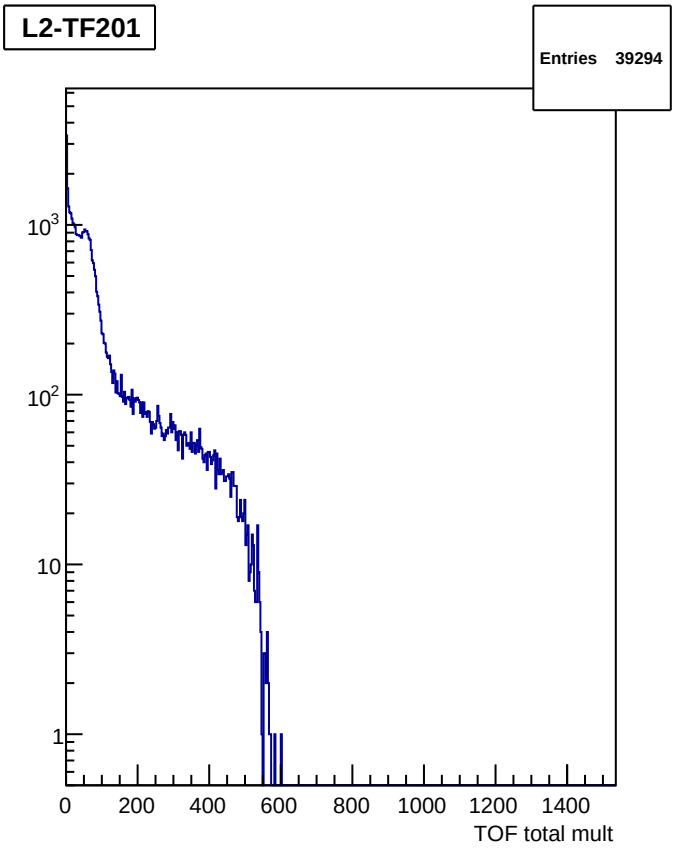

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

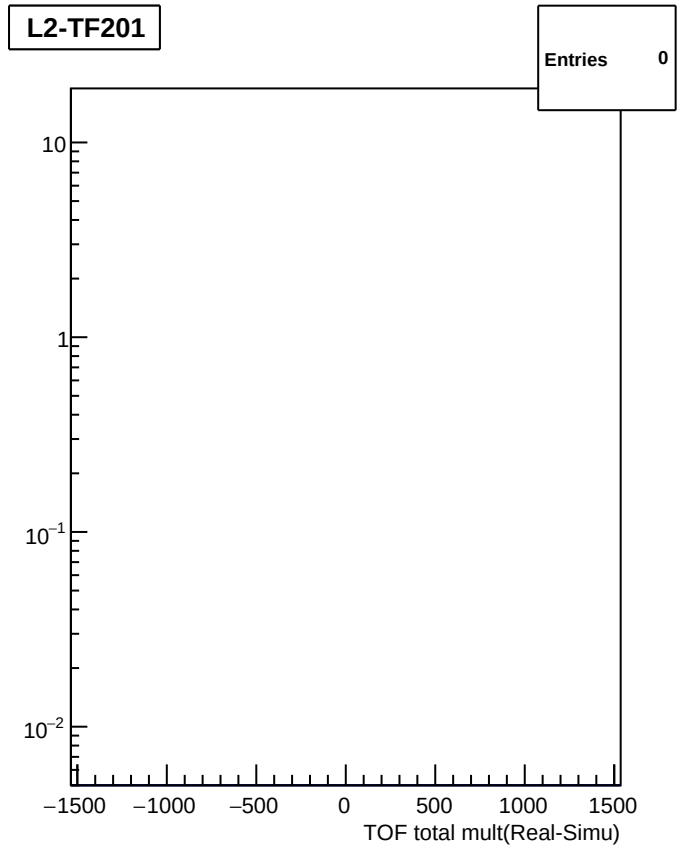

MIX-TF101
Entries 235764
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

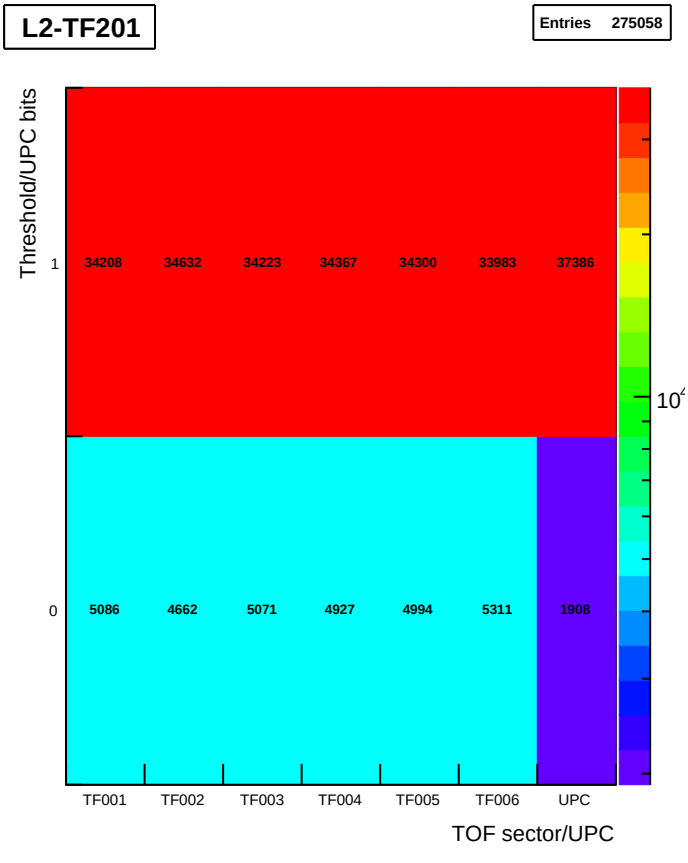

MIX-TF101
Entries 12798
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

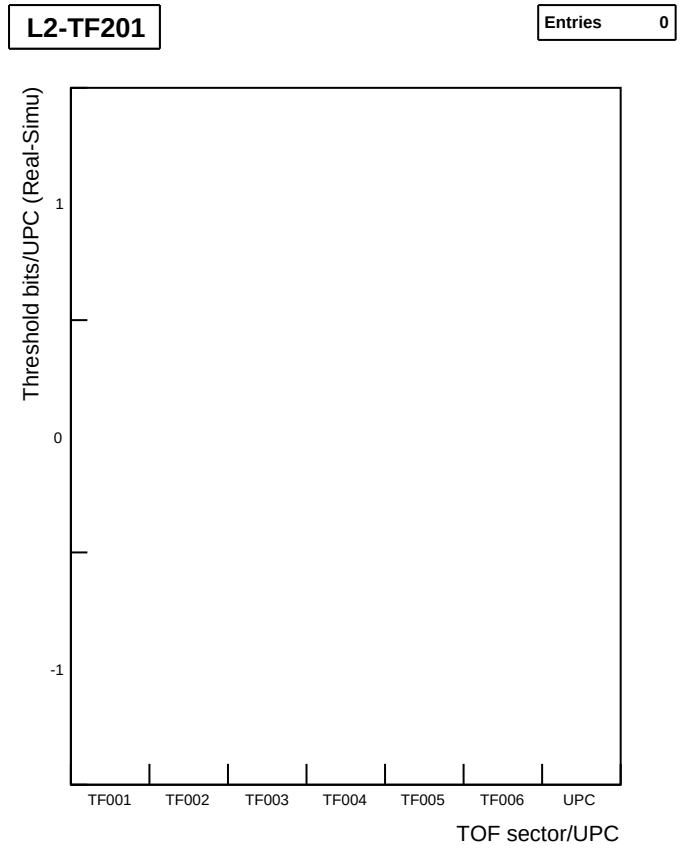

MIX-TF101
Entries 235764
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

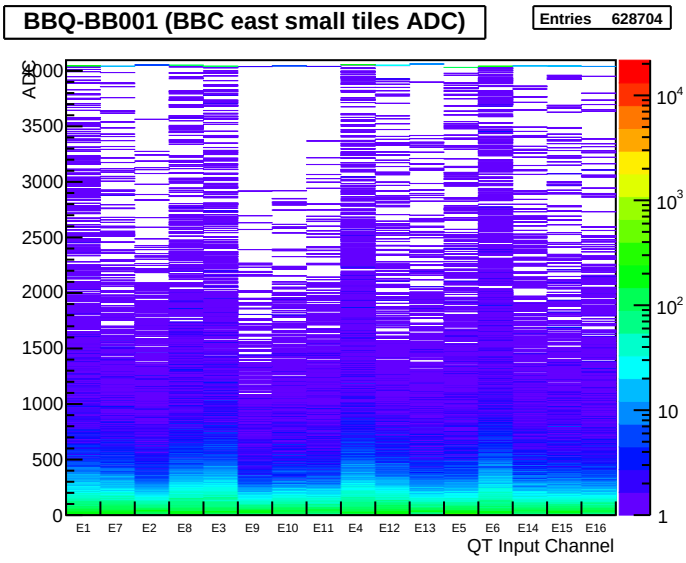

MIX-TF101
Entries 25787
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

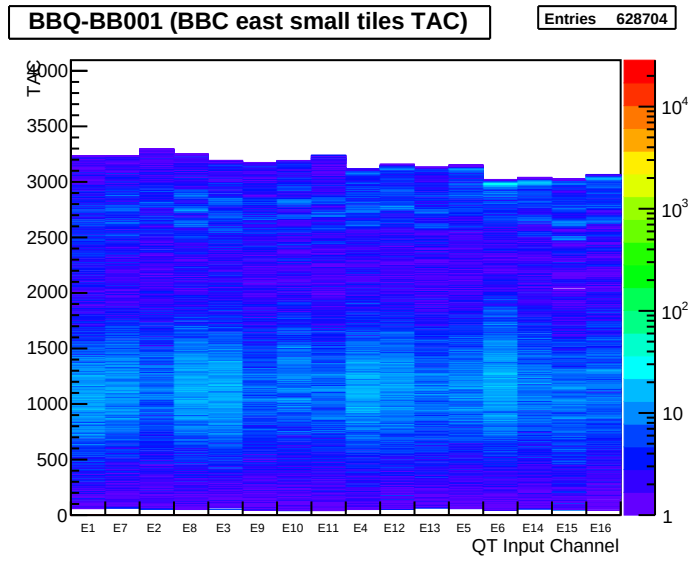

L2-TF201
Entries 39294
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

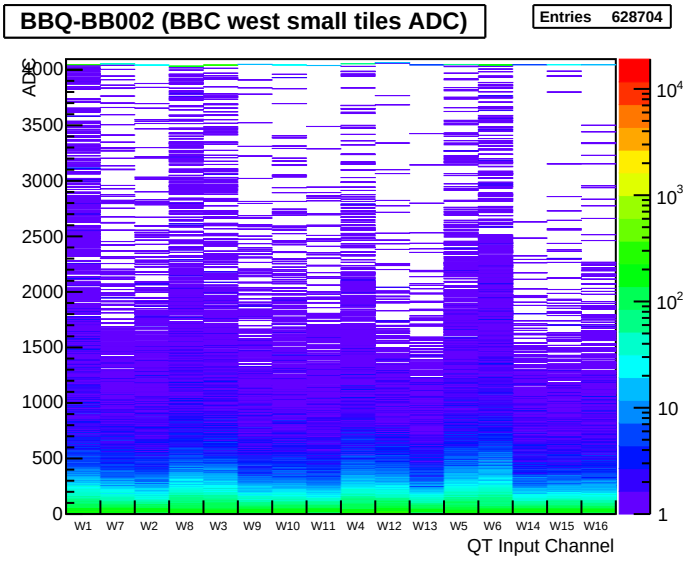

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

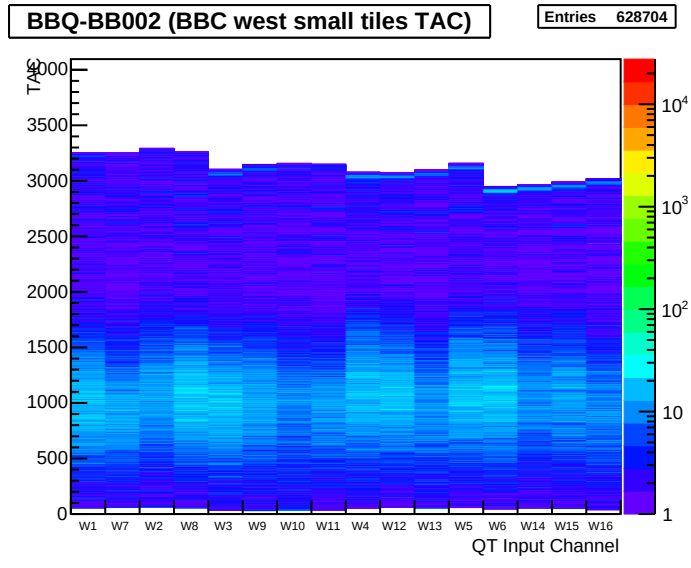

L2-TF201
Entries 275058
Threshold/UPC bits
1
0
34208
34632
34223
34367
34300
33983
37386
5086
4662
5071
4927
4994
5311
1908
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

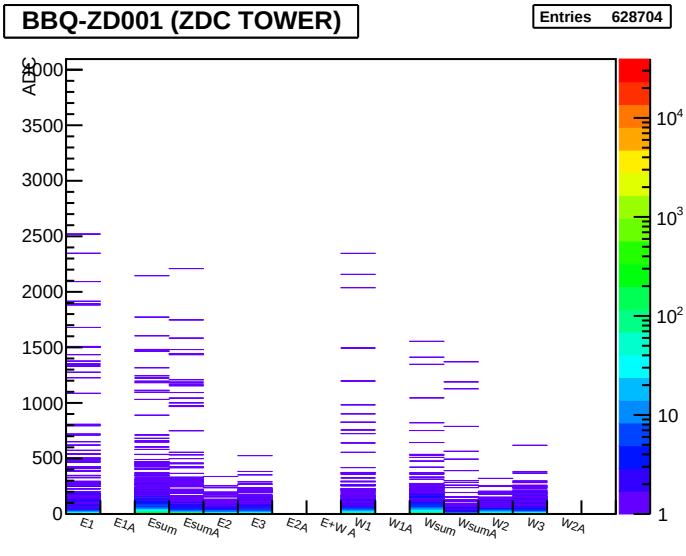

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

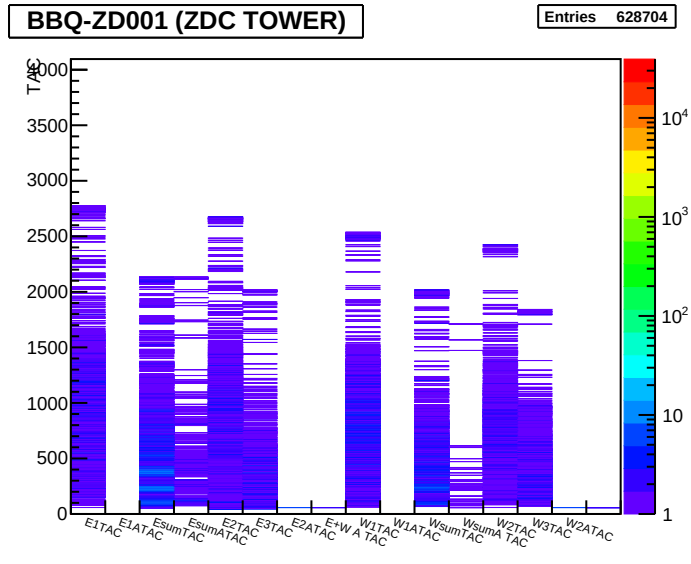

BBQ-BB001 (BBC east small tiles ADC)
Entries 628704
ADC
QT Input Channel

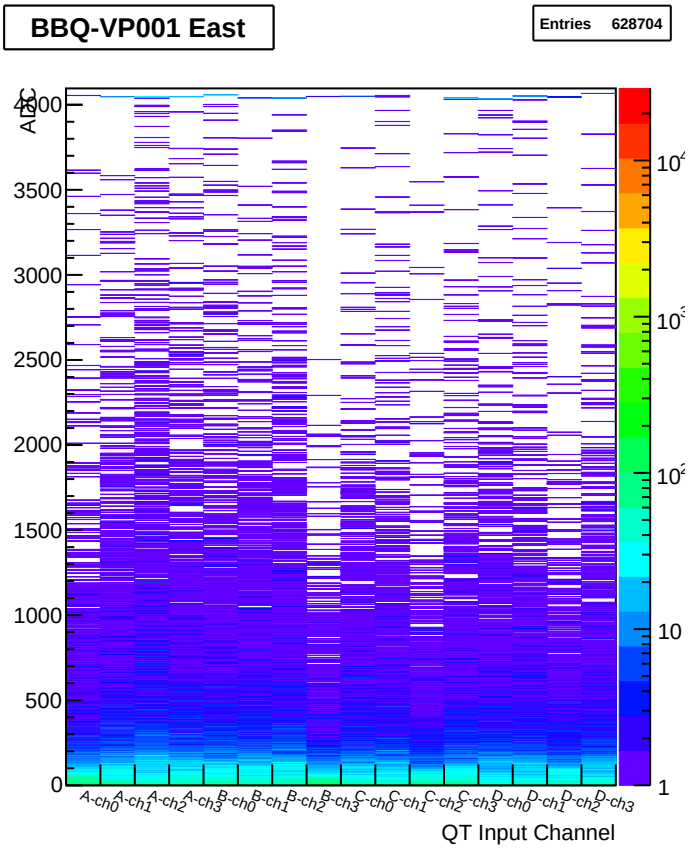

BBQ-BB001 (BBC east small tiles TAC)
Entries 628704
TAC
QT Input Channel

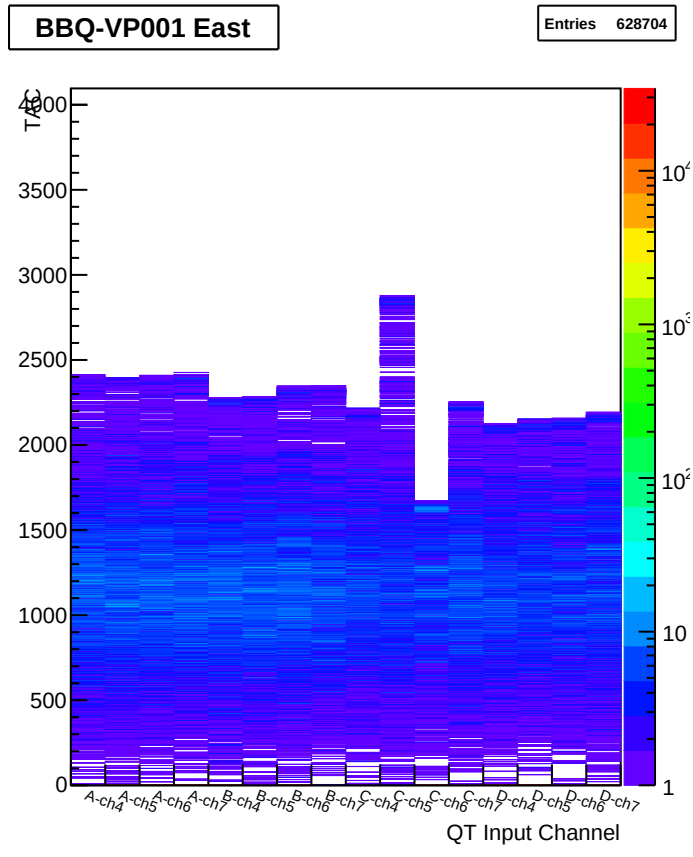

BBQ-BB002 (BBC west small tiles ADC)
Entries 628704
ADC
QT Input Channel

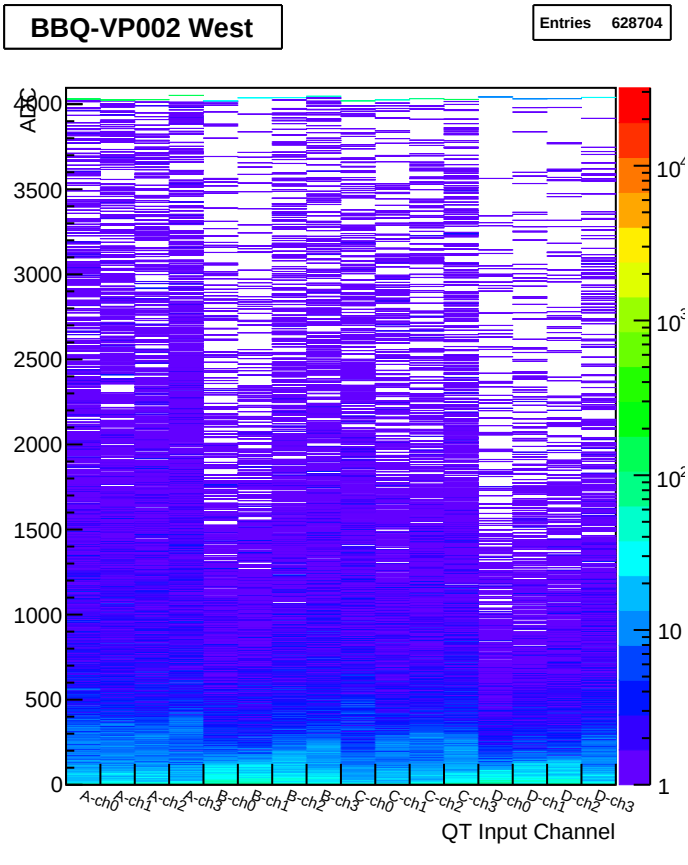

BBQ-BB002 (BBC west small tiles TAC)
Entries 628704
TAC
QT Input Channel

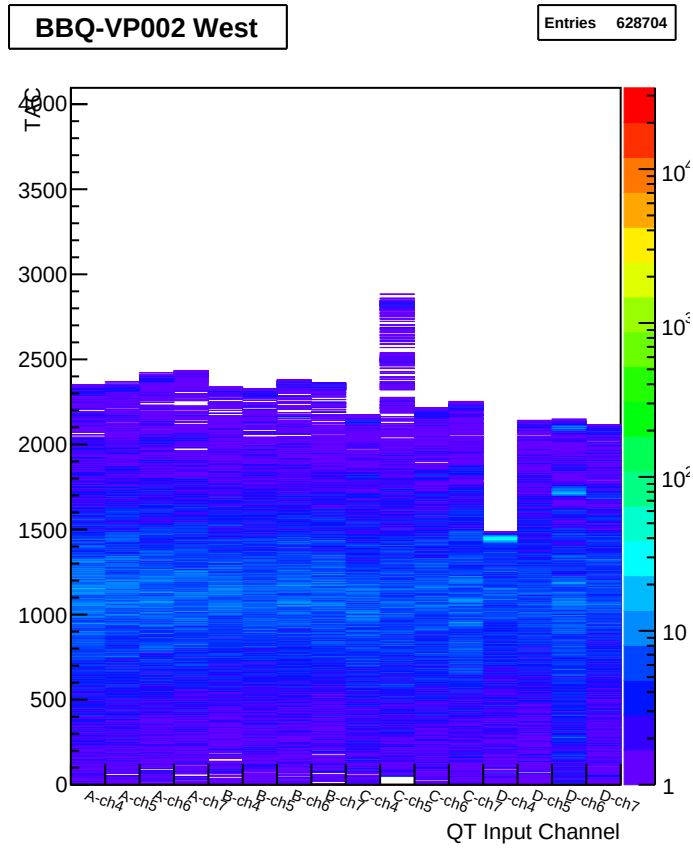

BBQ-ZD001 (ZDC TOWER)
Entries 628704
ADC

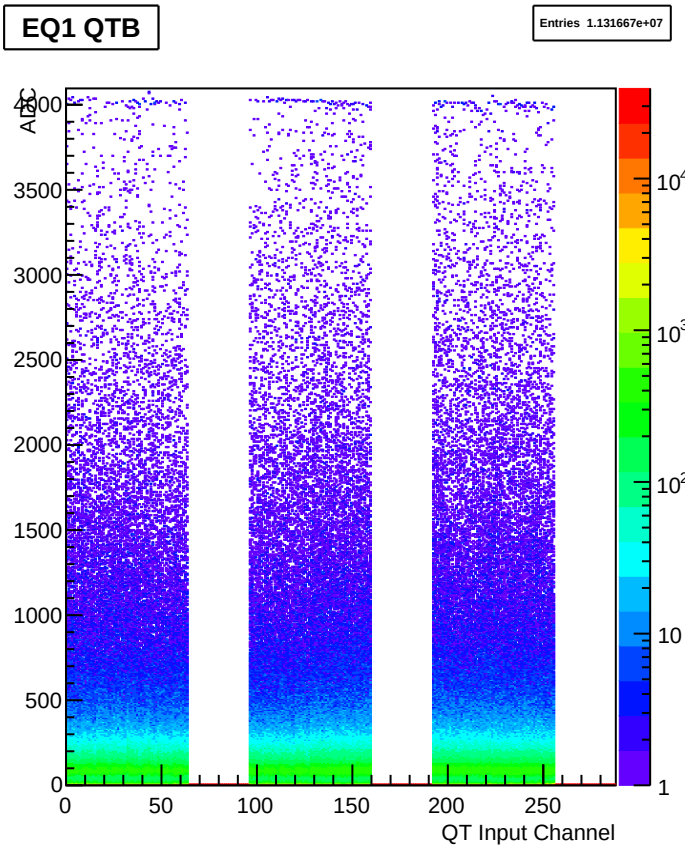

BBQ-ZD001 (ZDC TOWER)
Entries 628704
TAC

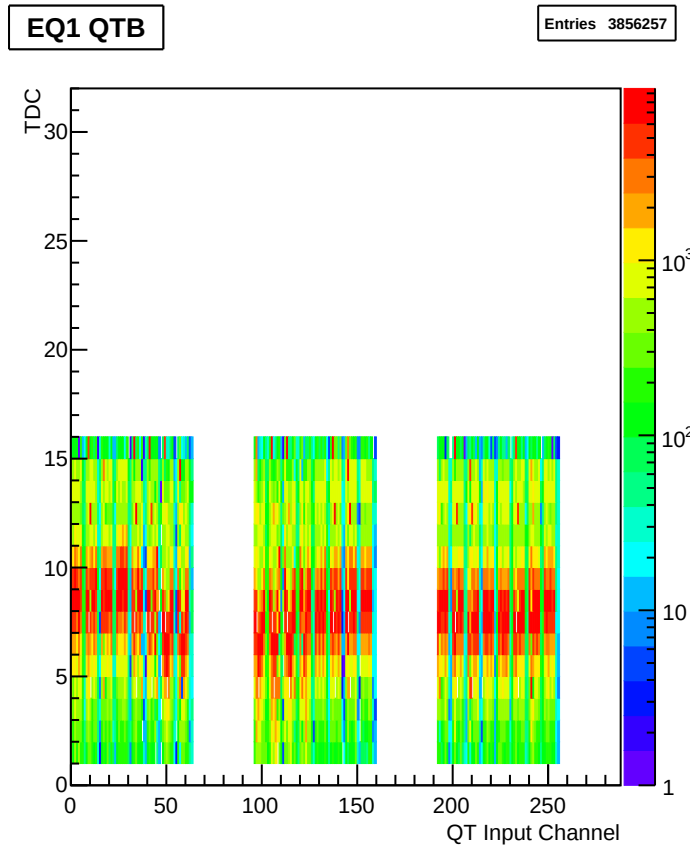

BBQ-VP001 East
Entries 628704
ADC
QT Input Channel

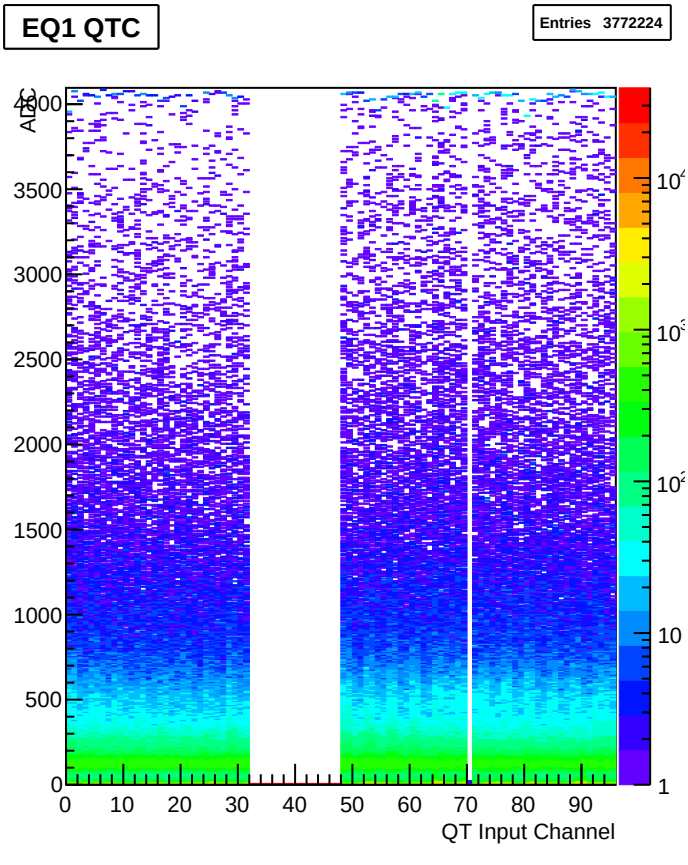

BBQ-VP001 East
Entries 628704
TADC
QT Input Channel

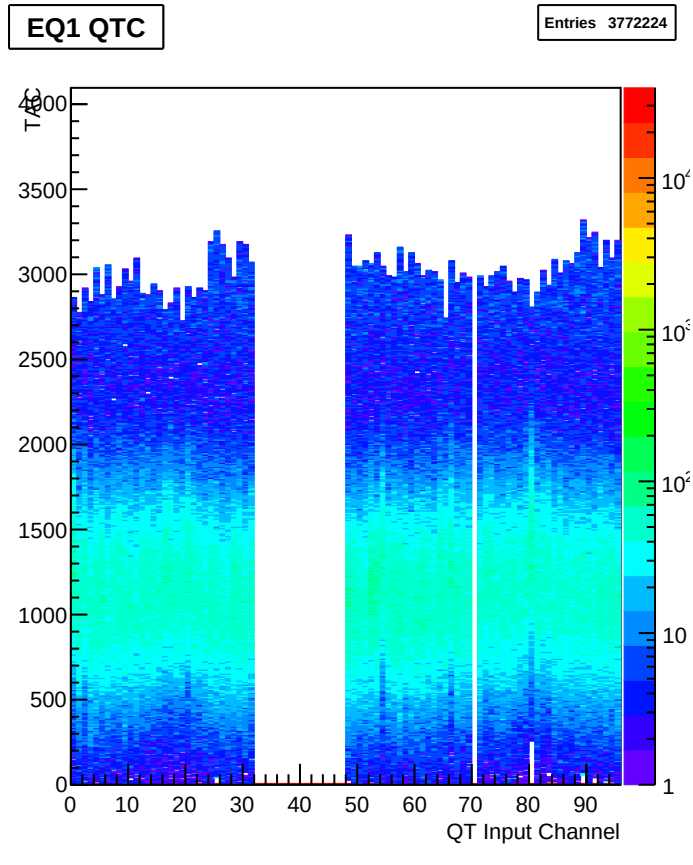

BBQ-VP002 West
Entries 628704
ADC
QT Input Channel

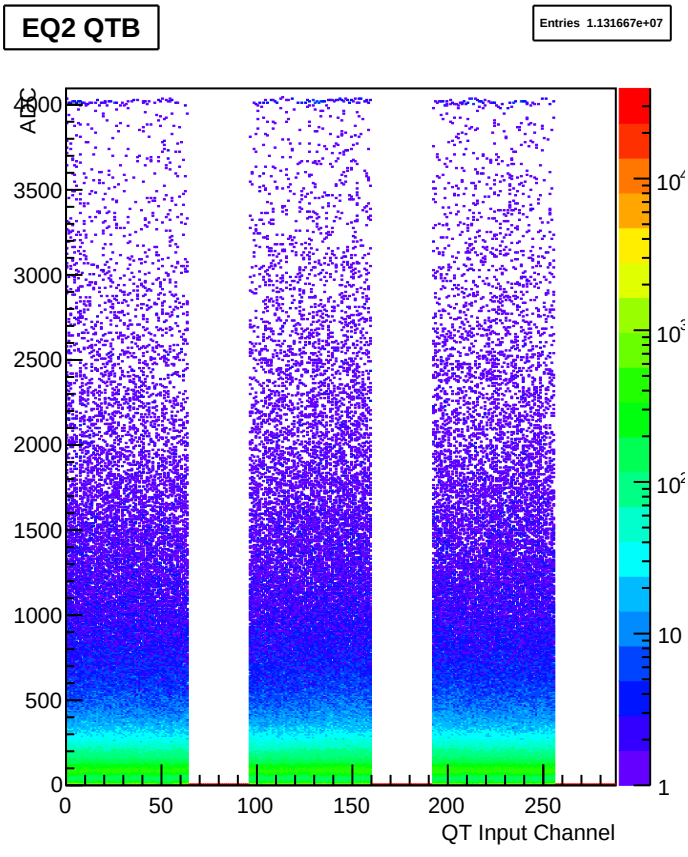

BBQ-VP002 West
Entries 628704
TADC
QT Input Channel

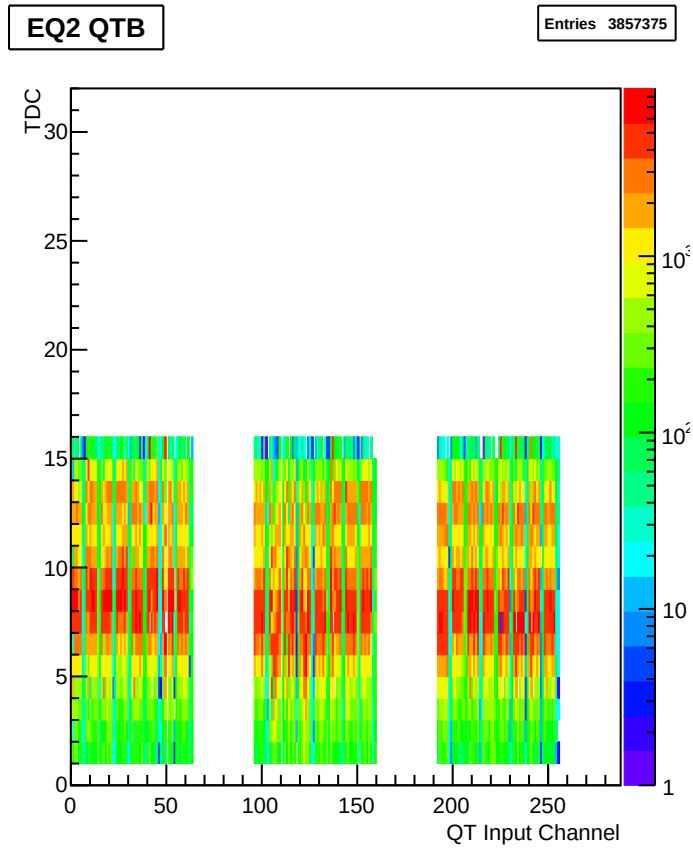

EQ1 QTB
Entries 1.131667e+07
ADC
QT Input Channel

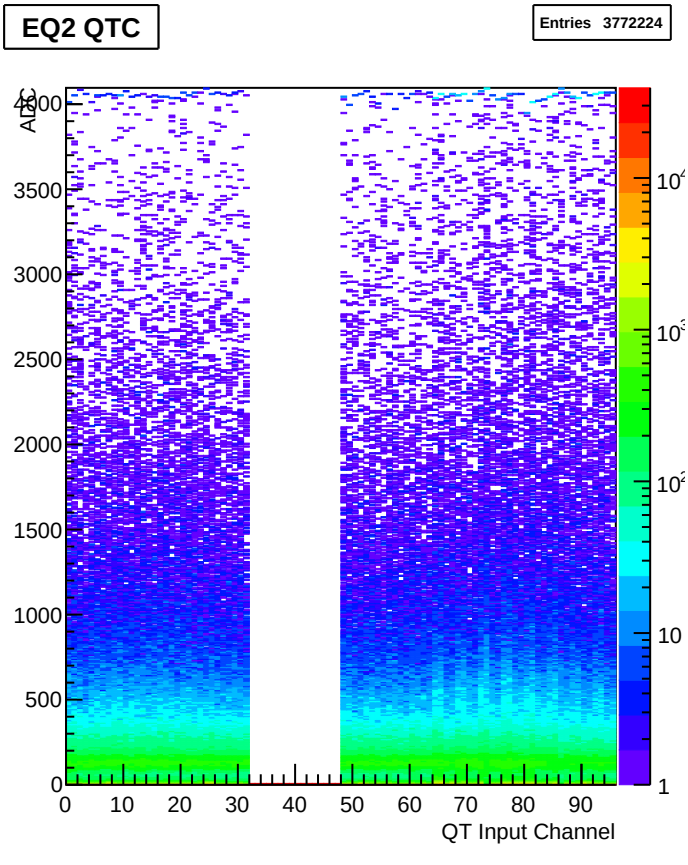

EQ1 QTB
Entries 3856257
TDC
QT Input Channel

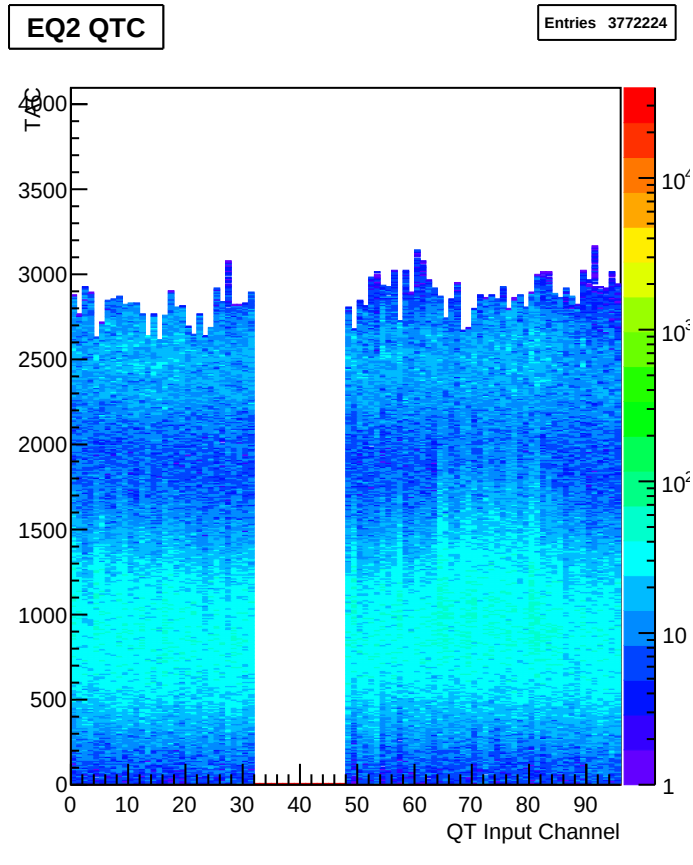

EQ1 QTC
Entries 3772224
ADC
QT Input Channel

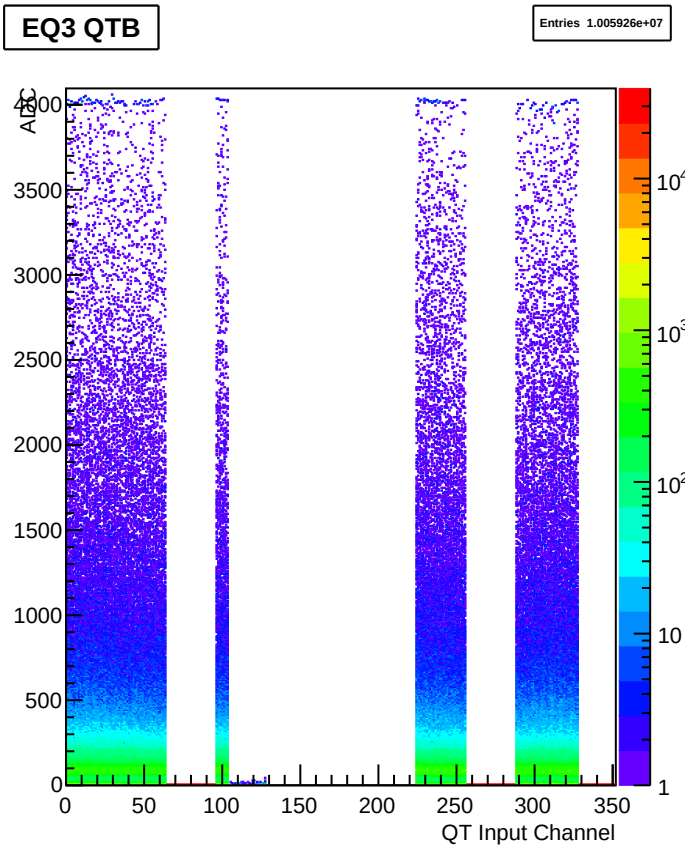

EQ1 QTC
Entries 3772224
TADC
QT Input Channel

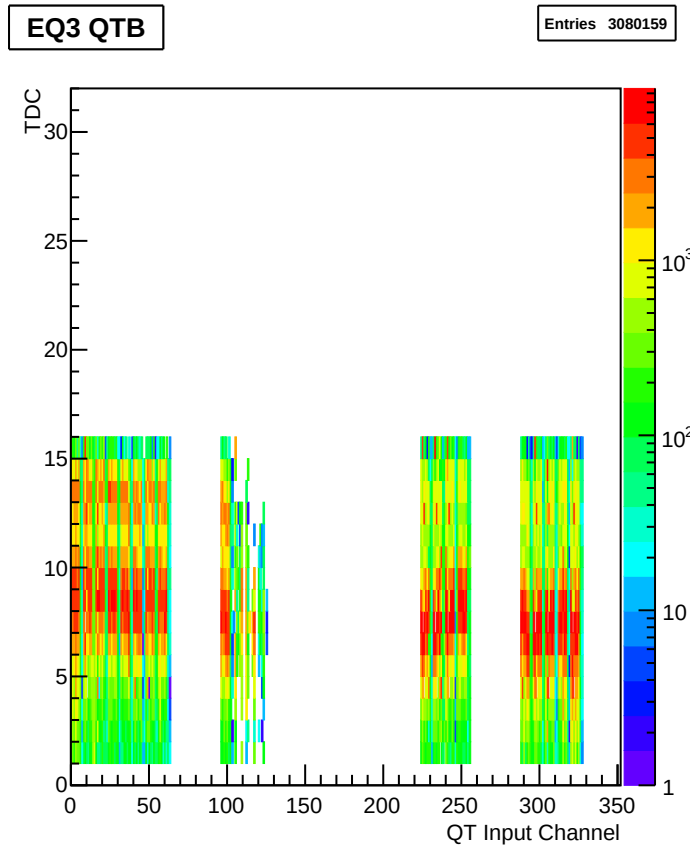

EQ2 QTB
Entries 1.131667e+07
ADC
QT Input Channel

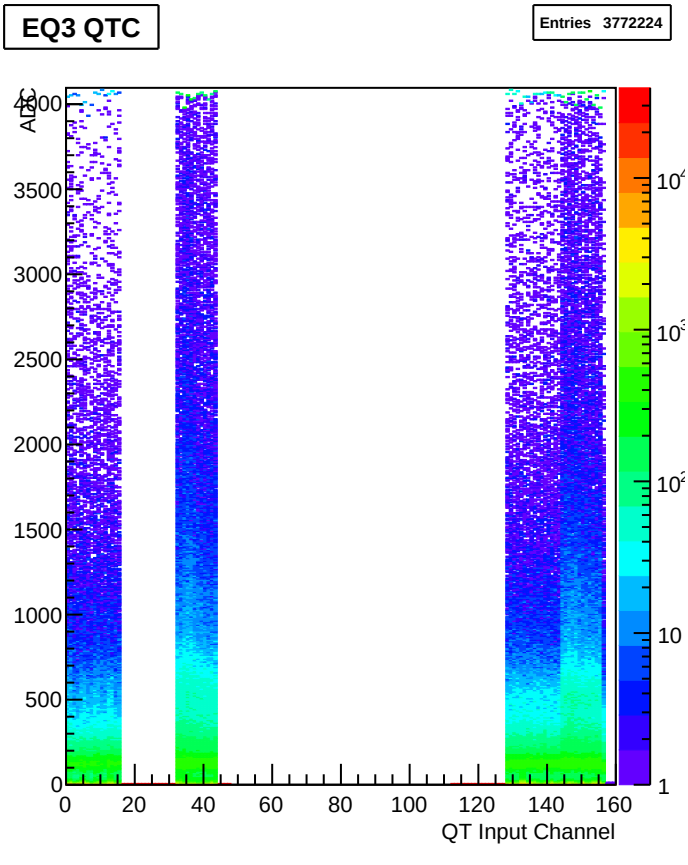

EQ2 QTB
Entries 3857375
TDC
QT Input Channel

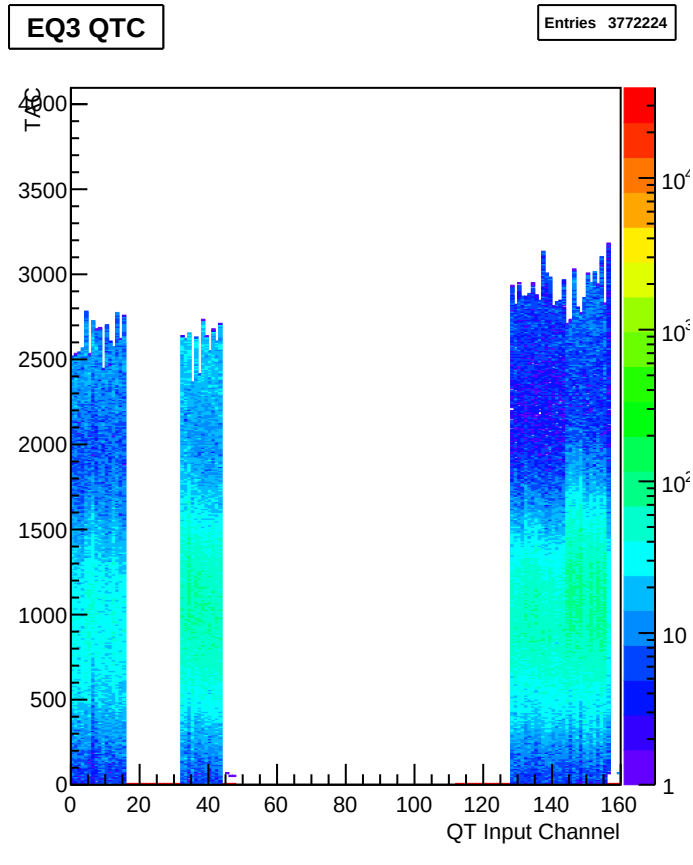

EQ2 QTC
Entries 3772224
ADC
QT Input Channel

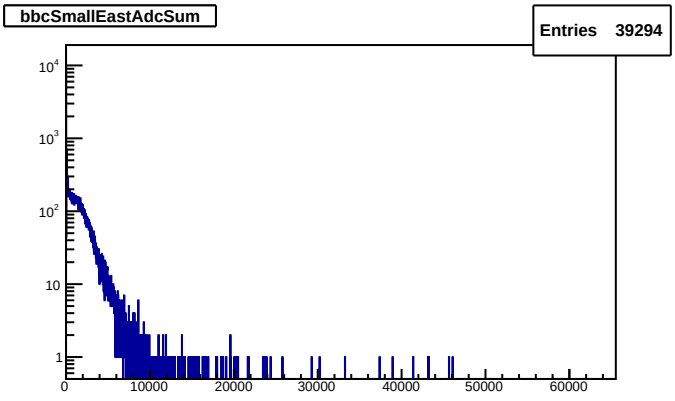

EQ2 QTC
Entries 3772224
TADC
QT Input Channel

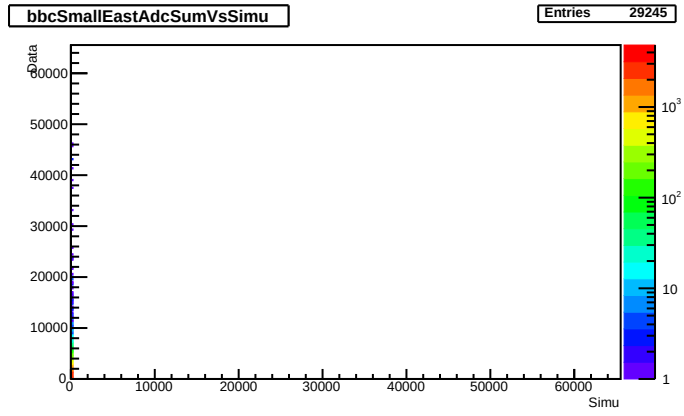

EQ3 QTB
Entries 1.005926e+07
ADC
QT Input Channel

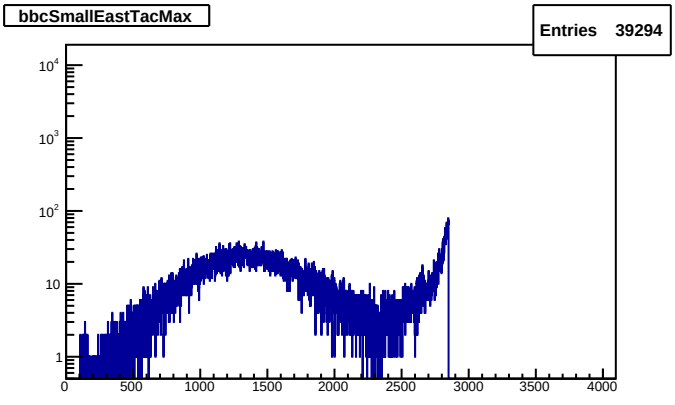

EQ3 QTB
Entries 3080159
TDC
QT Input Channel

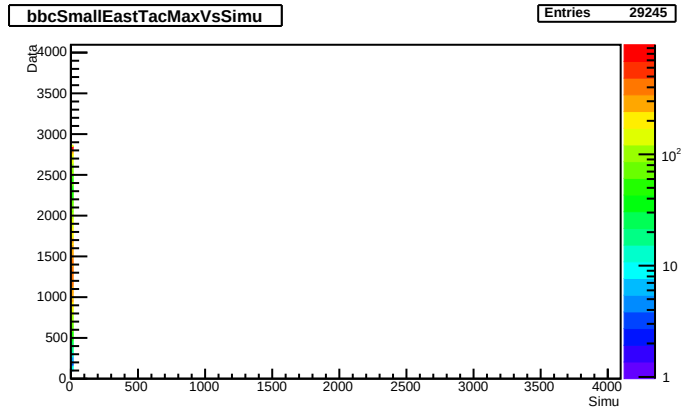

EQ3 QTC
Entries 3772224
ADC
QT Input Channel

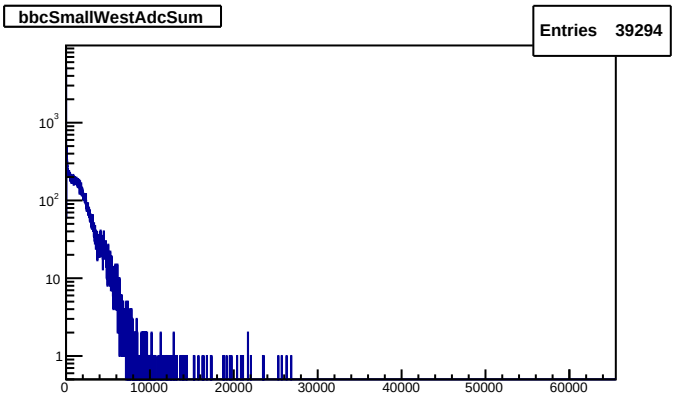

EQ3 QTC
Entries 3772224
TADC
QT Input Channel

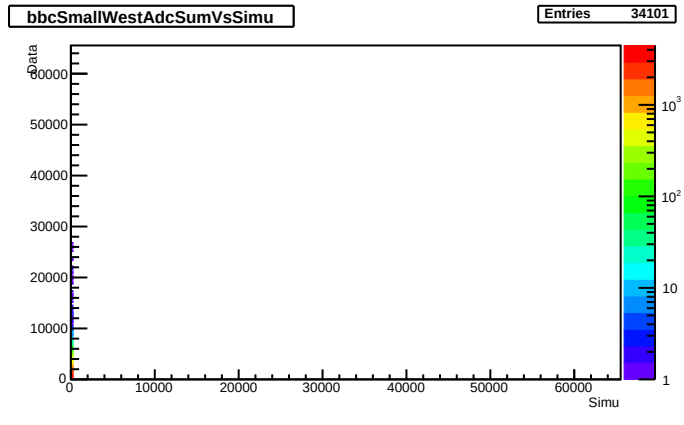

bbcSmallEastAdcSum
Entries 39294

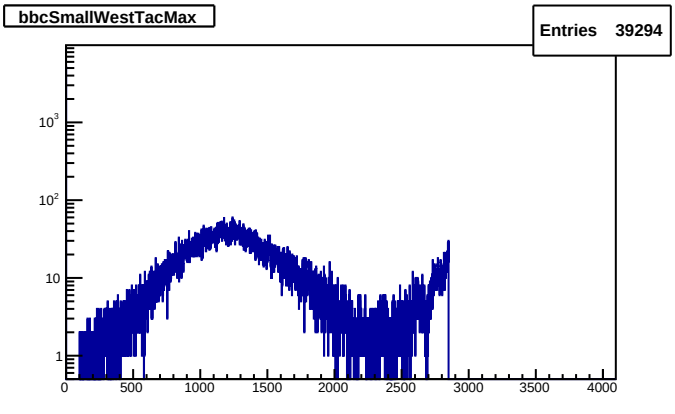

bbcSmallEastAdcSumVsSimu
Entries 29245
Data
Simu

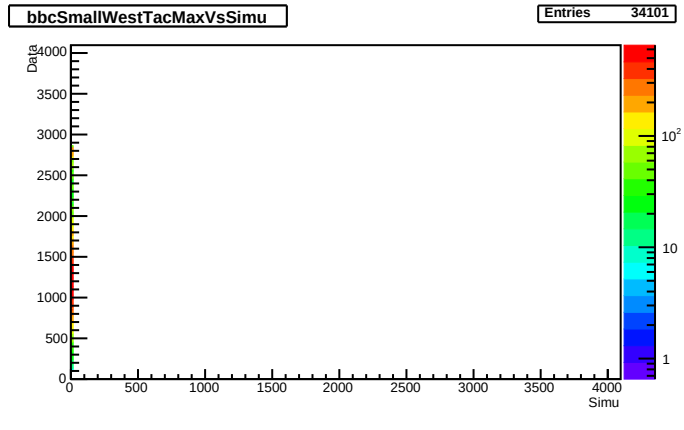

bbcSmallEastTacMax
Entries 39294

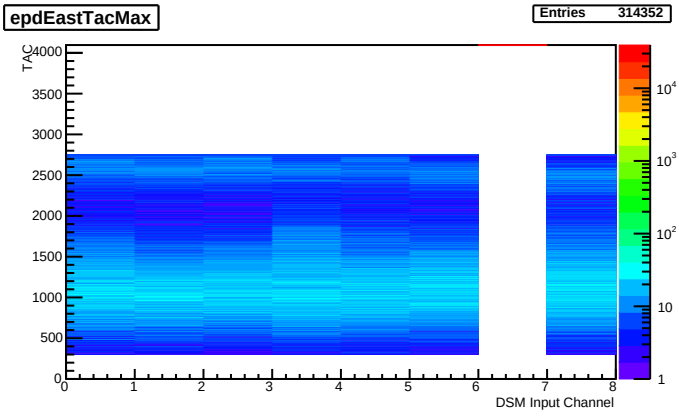

bbcSmallEastTacMaxVsSimu
Entries 29245
Data
Simu

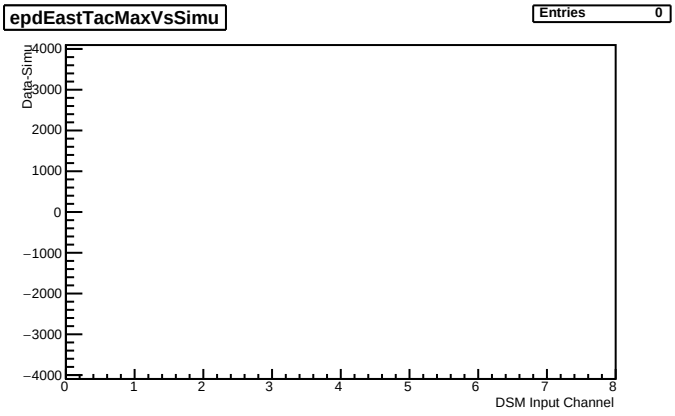

bbcSmallWestAdcSum
Entries 39294

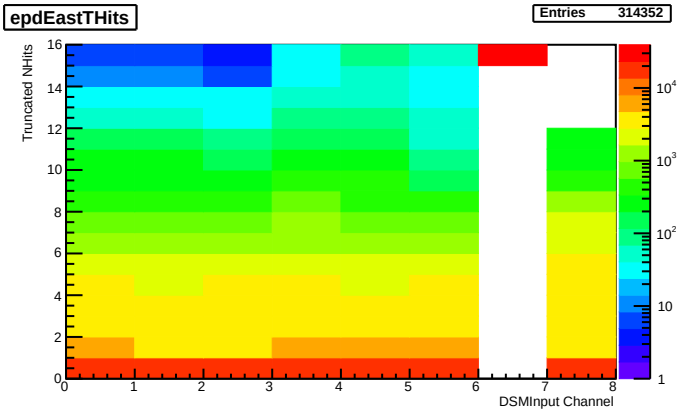

bbcSmallWestAdcSumVsSimu
Entries 34101
Data
Simu

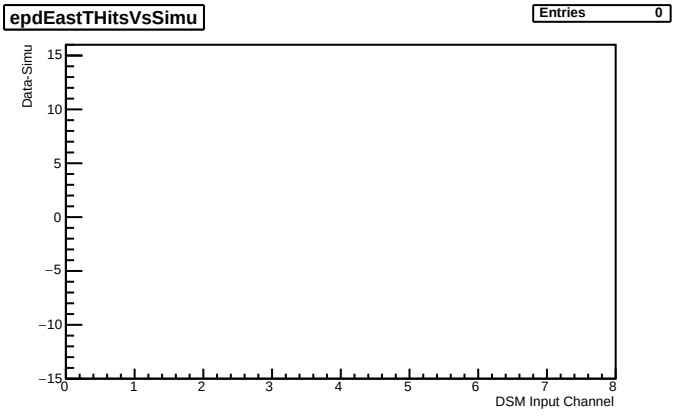

bbcSmallWestTacMax
Entries 39294

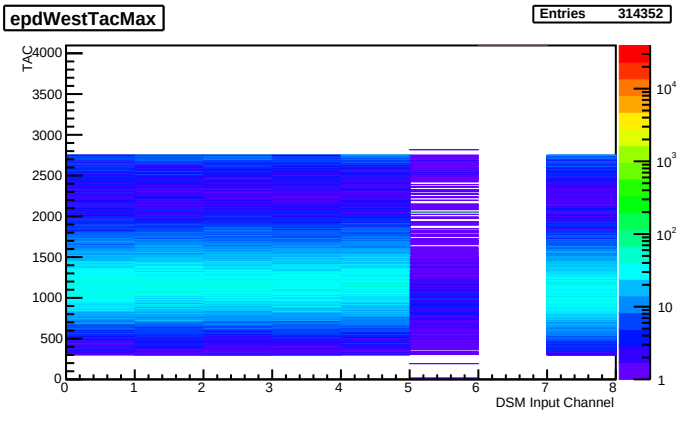

bbcSmallWestTacMaxVsSimu
Entries 34101
Data
Simu

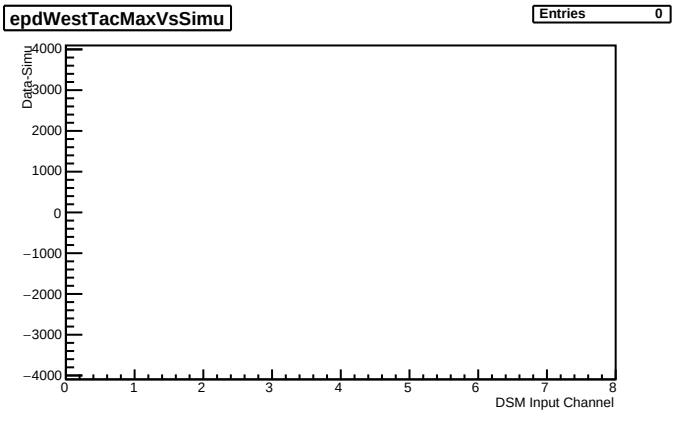

epdEastTacMax
Entries 314352
TAC
DSM Input Channel

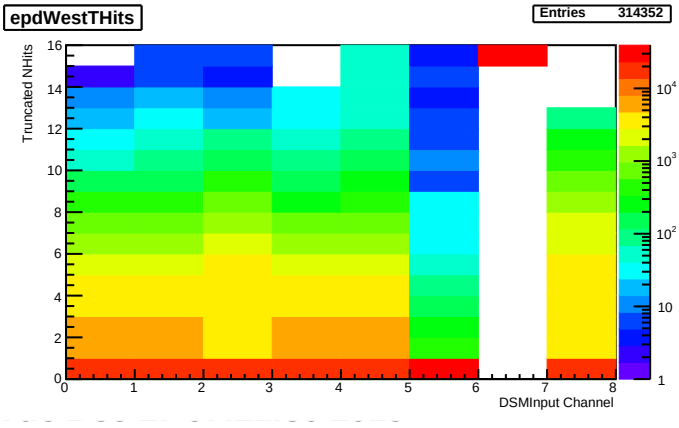

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

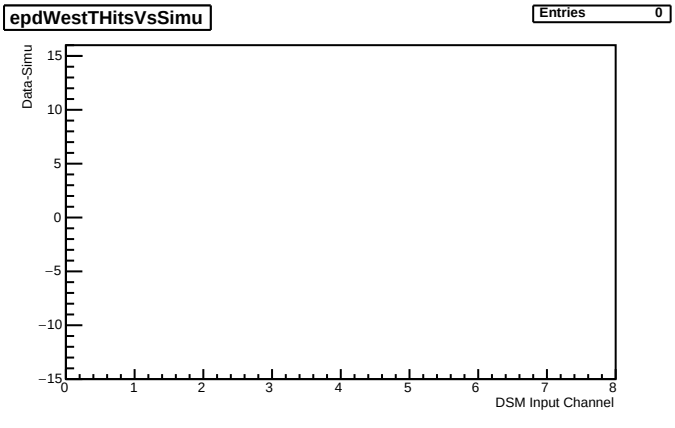

epdEastTHits
Entries 314352
Truncated NHits
DSMInput Channel

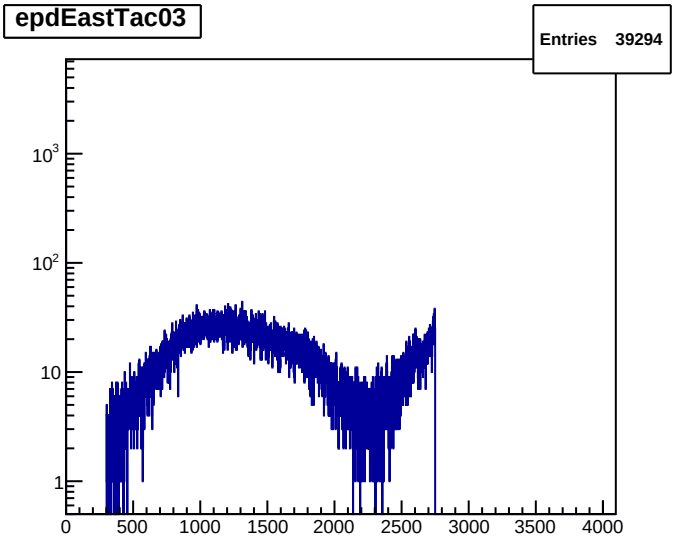

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

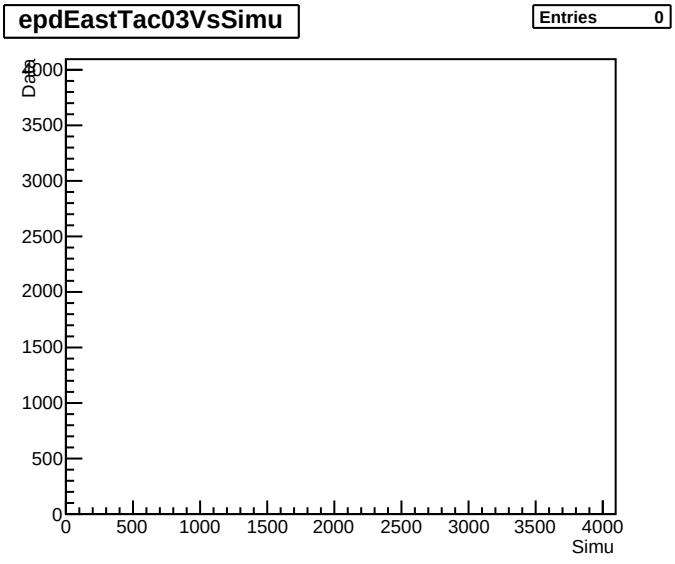

epdWestTacMax
Entries 314352
TAC
DSM Input Channel

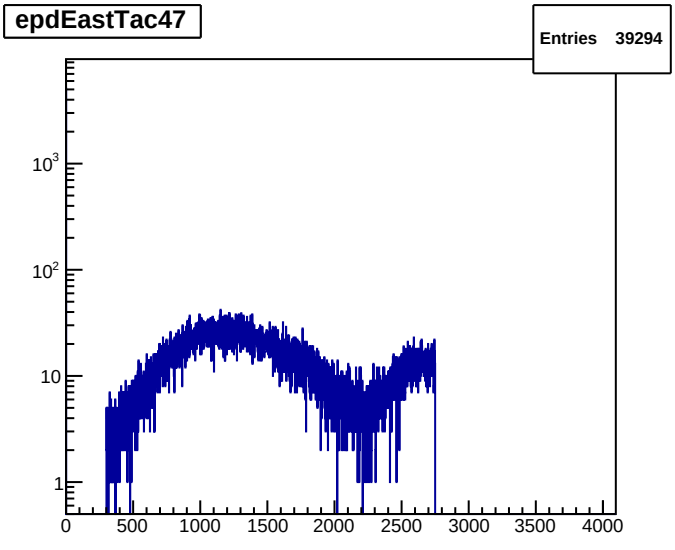

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

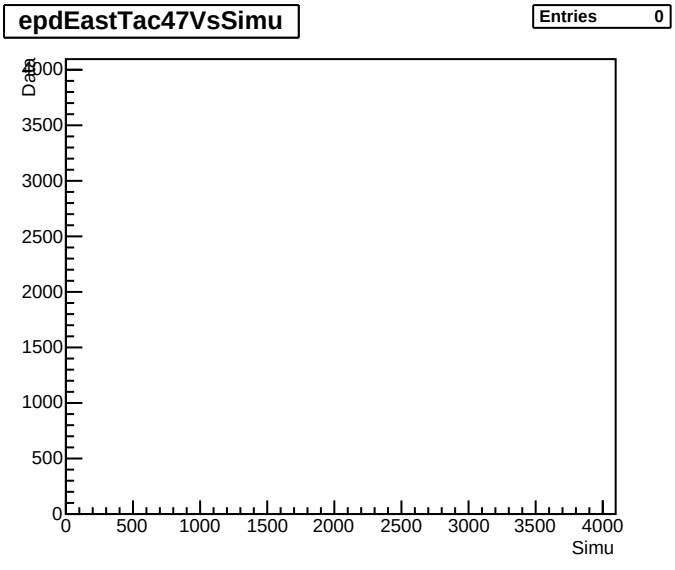

epdWestTHits
Entries 314352
Truncated NHits
DSMInput Channel

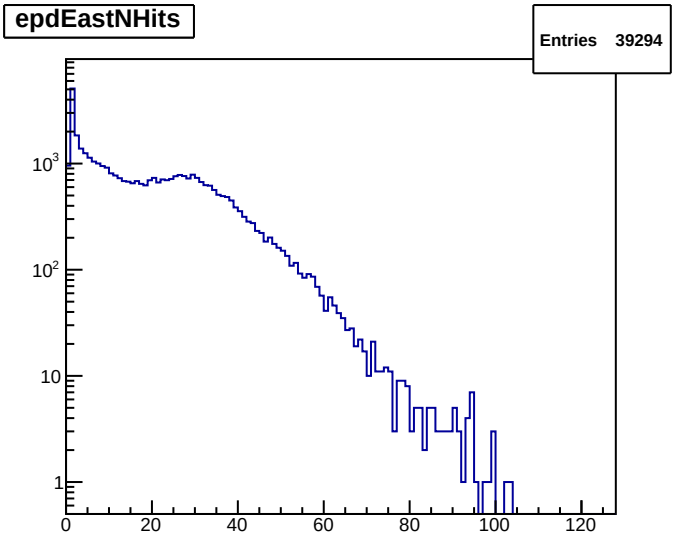

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

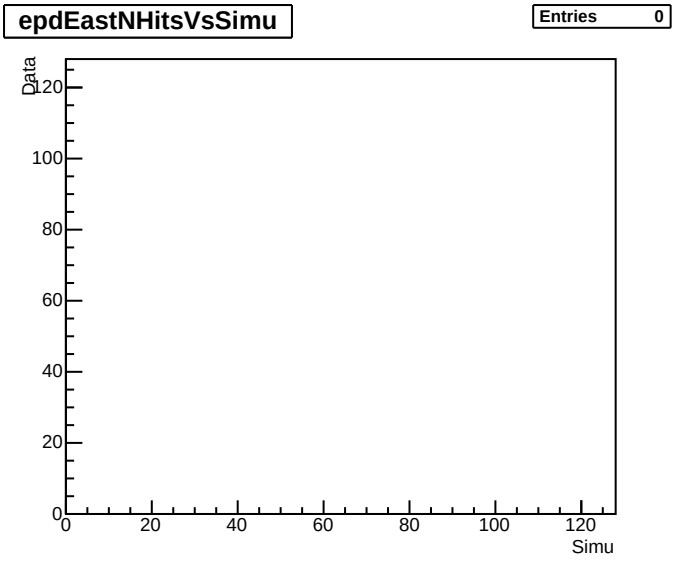

epdEastTac03
Entries 39294
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

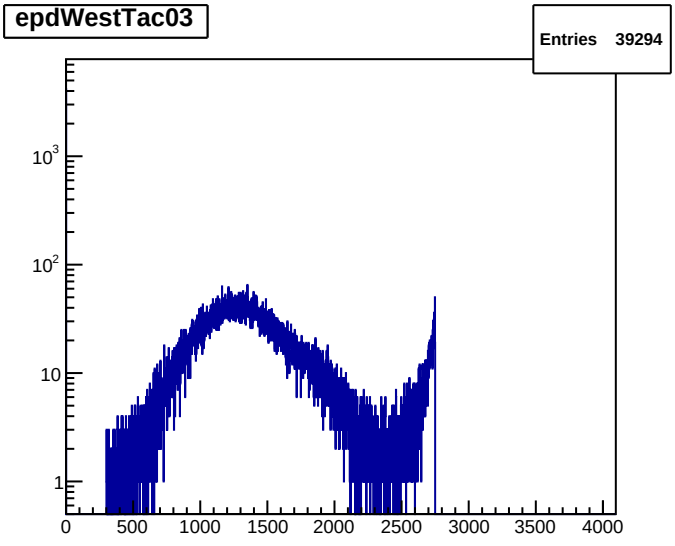

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

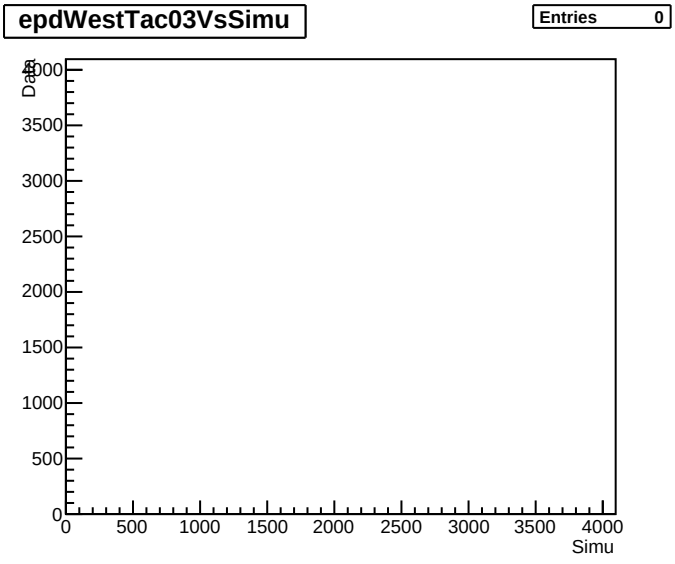

epdEastTac47
Entries 39294
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

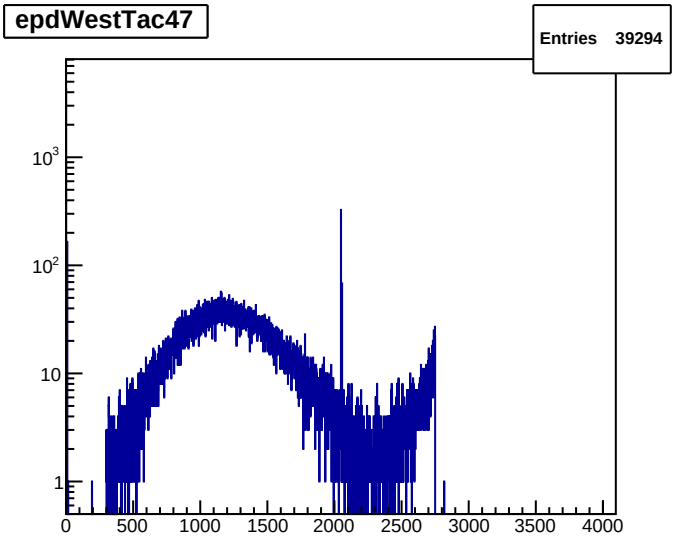

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

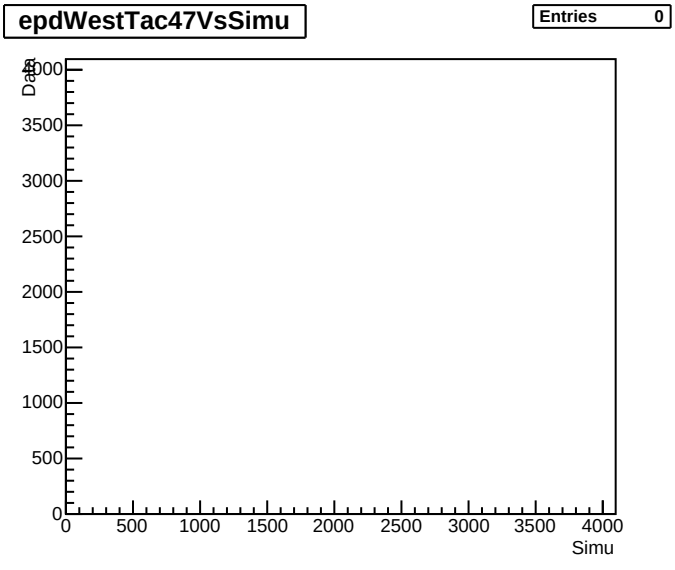

epdEastNHits
Entries 39294
10^3
10^2
10
1
0 20 40 60 80 100 120

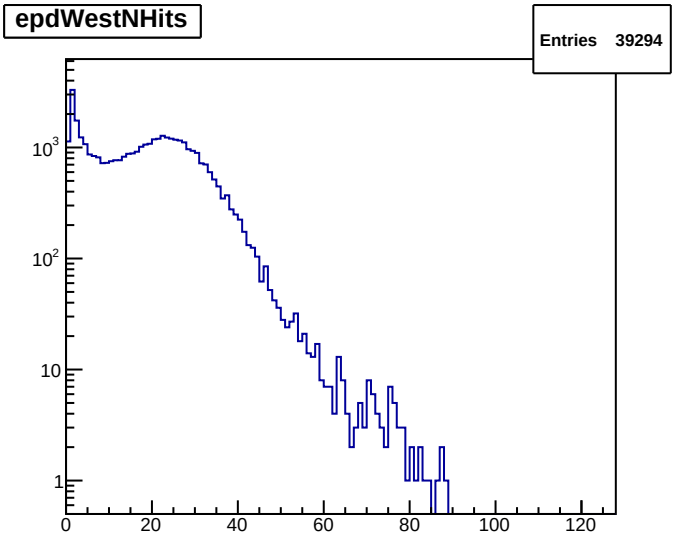

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

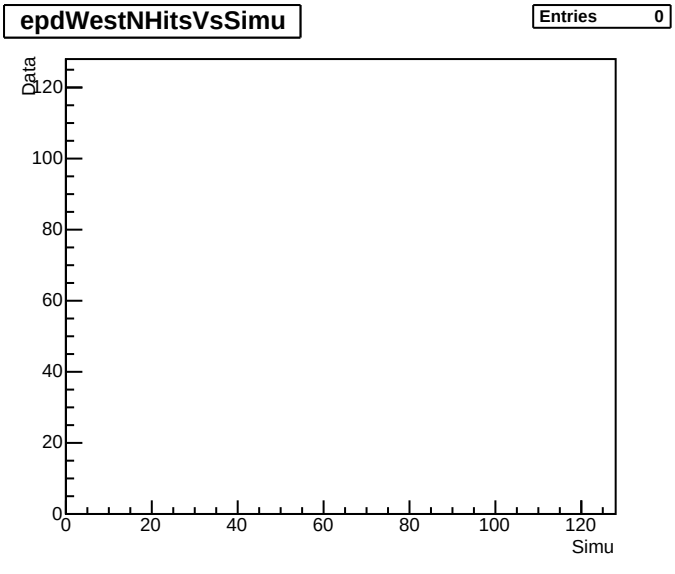

epdWestTac03
Entries 39294
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

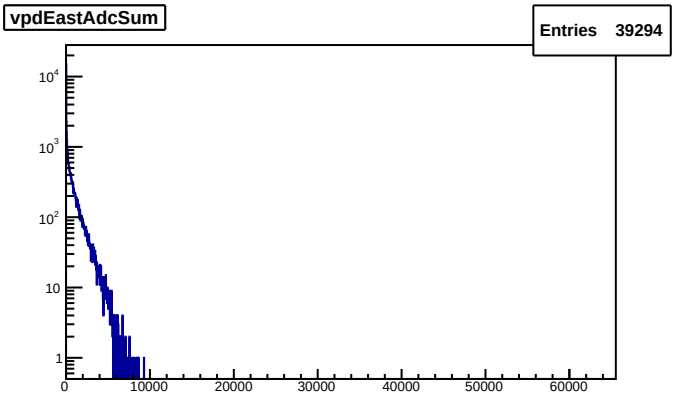

epdWestTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

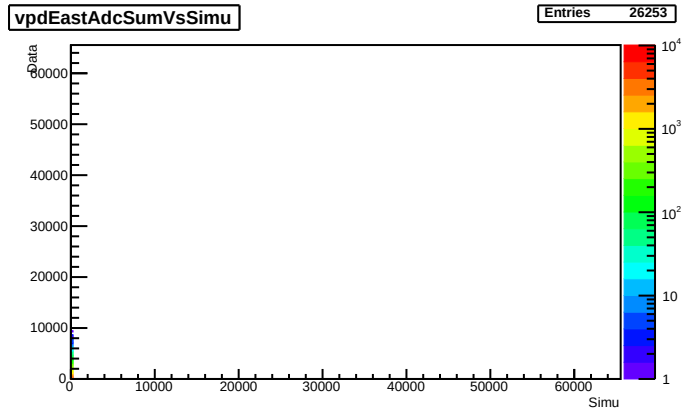

epdWestTac47
Entries 39294
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

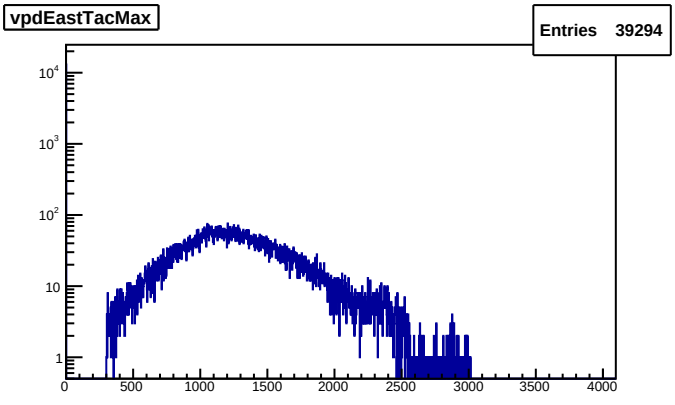

epdWestTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

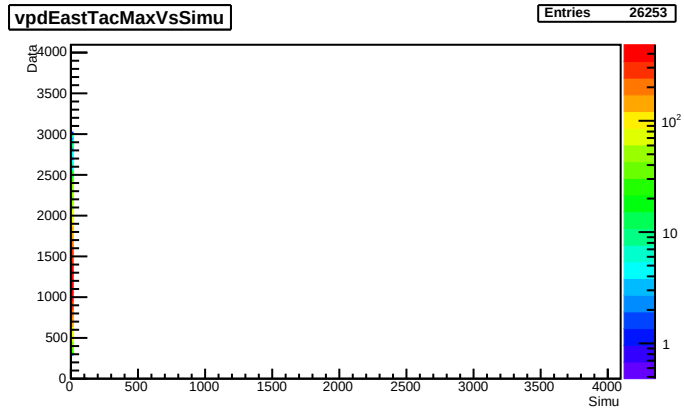

epdWestNHits
Entries 39294
10^3
10^2
10
1
0 20 40 60 80 100 120

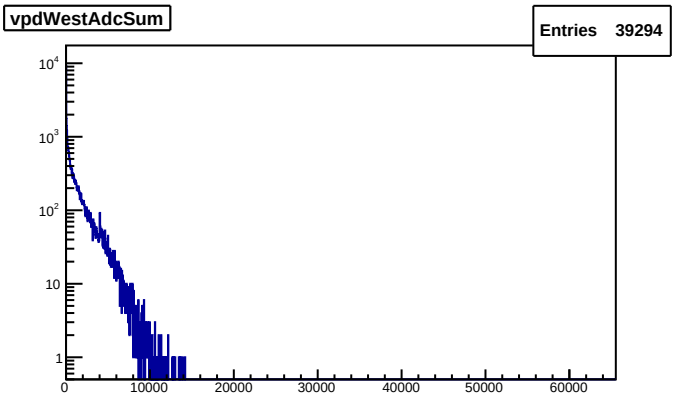

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

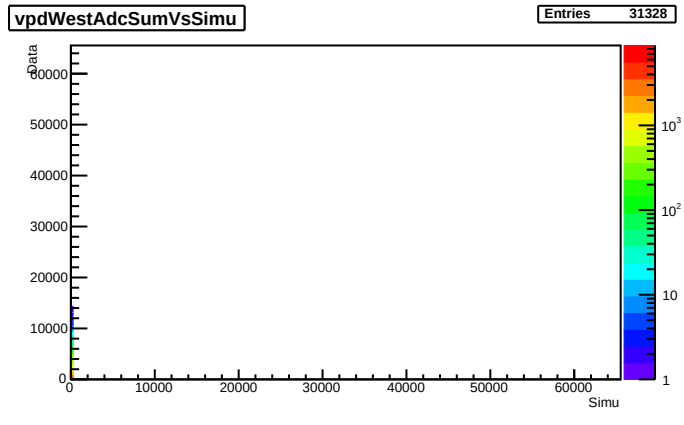

vpdEastAdcSum
Entries 39294

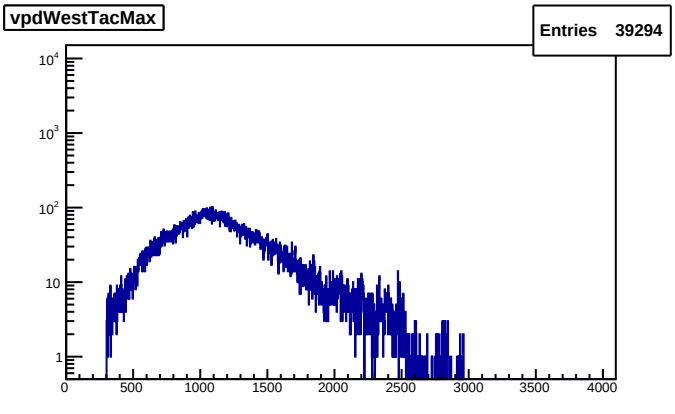

vpdEastAdcSumVsSimu
Entries 26253
Data
Simu

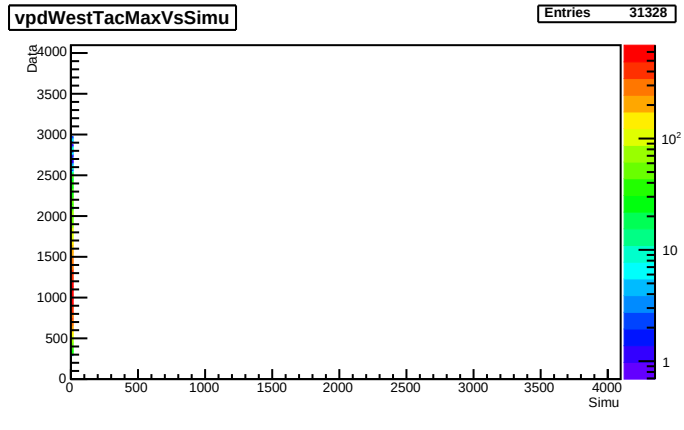

vpdEastTacMax
Entries 39294

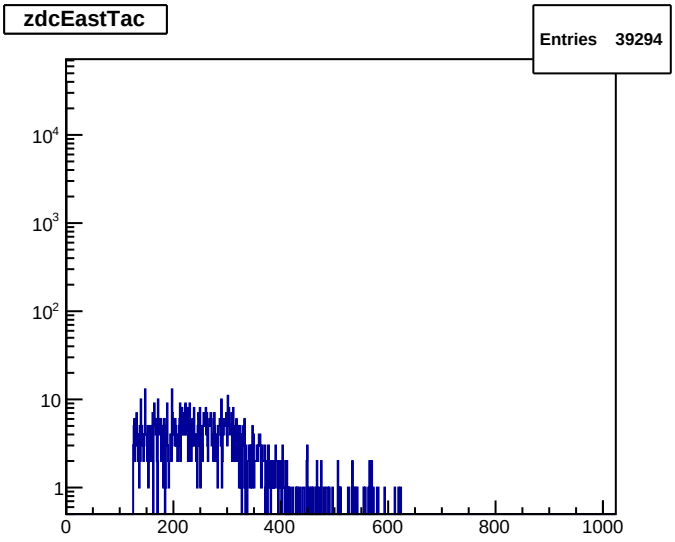

vpdEastTacMaxVsSimu
Entries 26253
Data
Simu

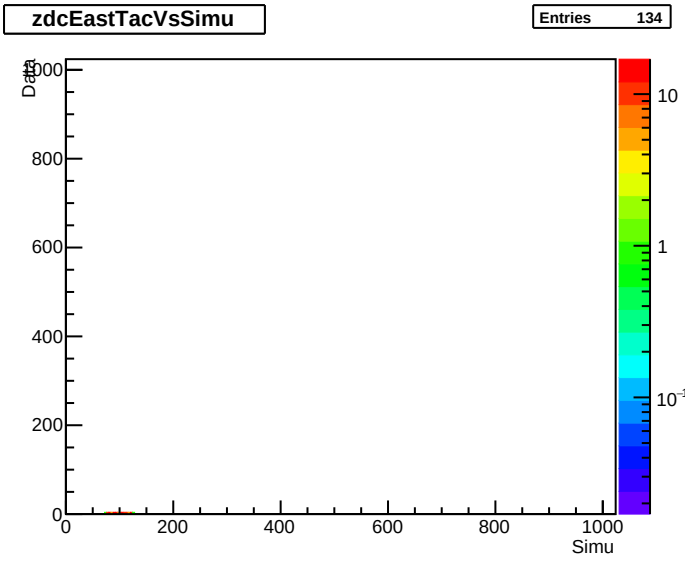

vpdWestAdcSum
Entries 39294

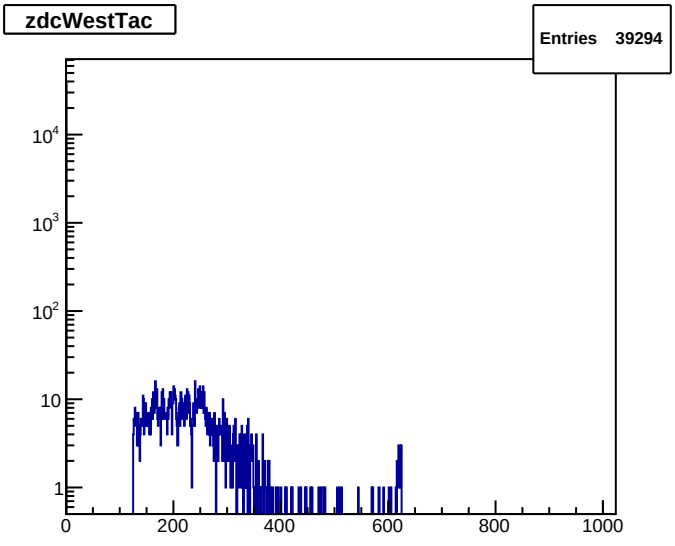

vpdWestAdcSumVsSimu
Entries 31328
Data
Simu

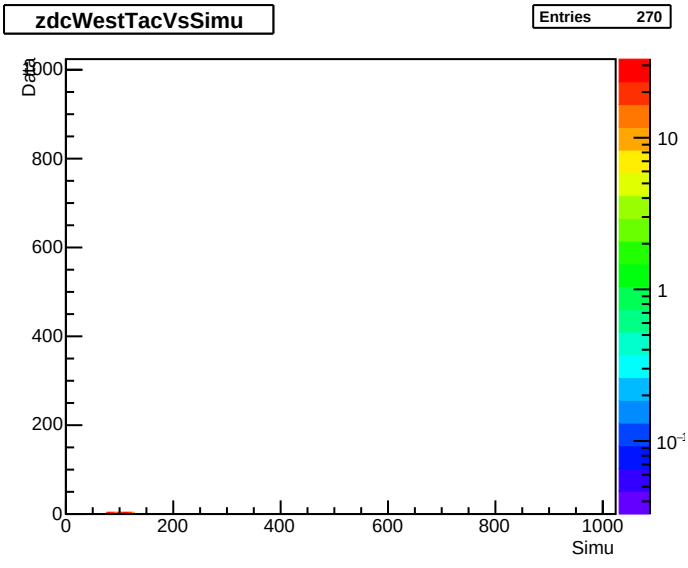

vpdWestTacMax
Entries 39294

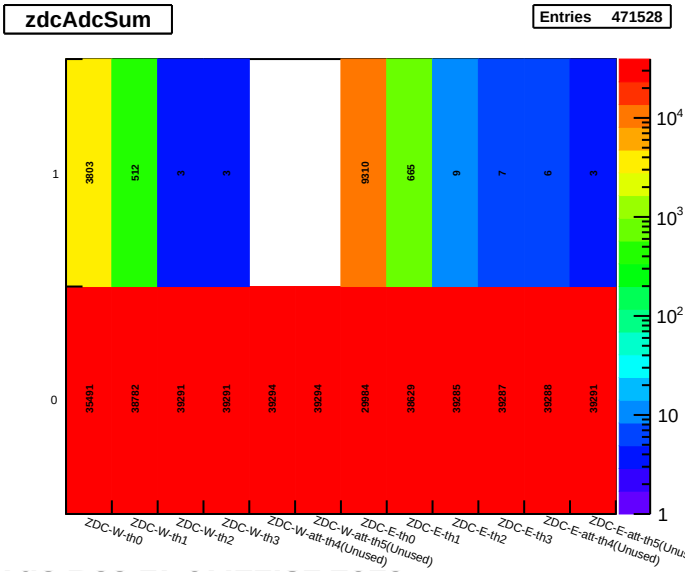

vpdWestTacMaxVsSimu
Entries 31328
Data
Simu

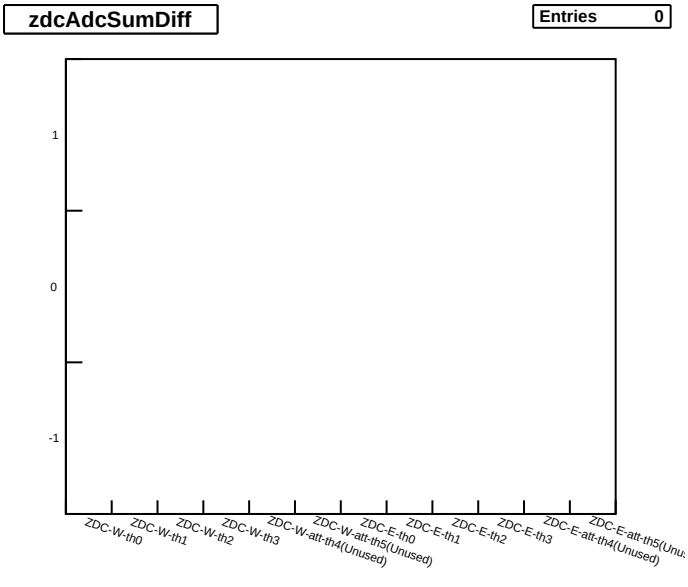

zdcEastTac
Entries 39294
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

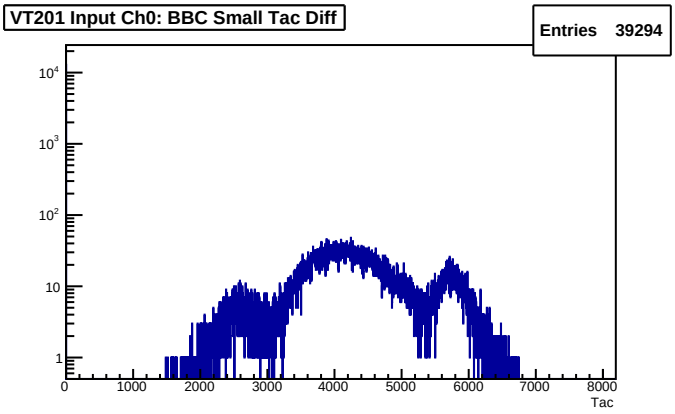

zdcEastTacVsSimu
Entries 134
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

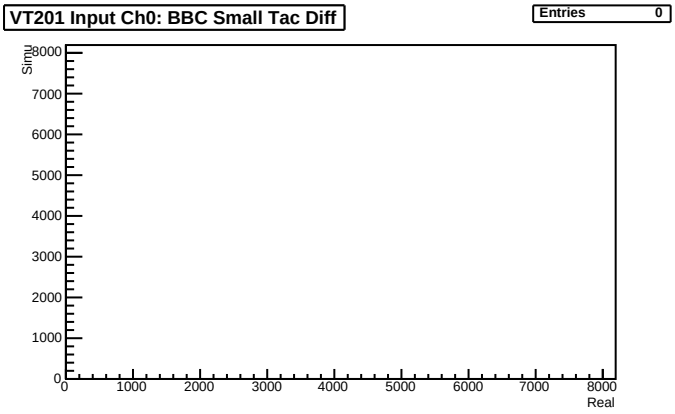

zdcWestTac
Entries 39294
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

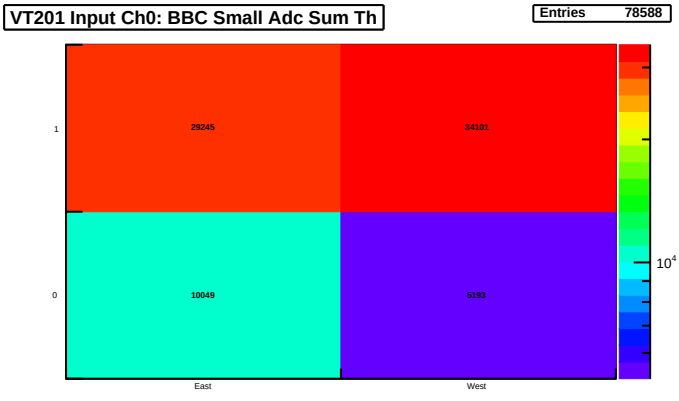

zdcWestTacVsSimu
Entries 270
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

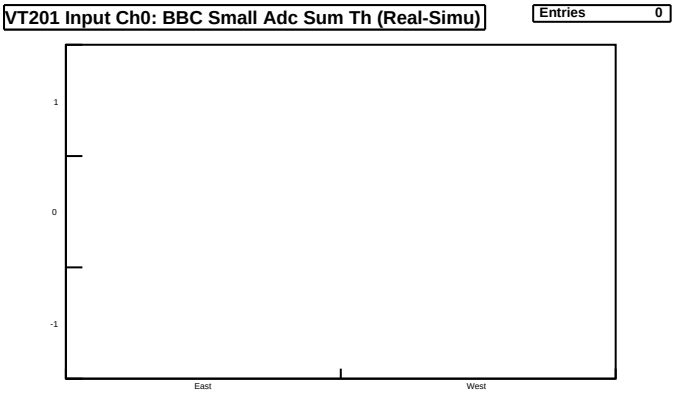

zdcAdcSum
Entries 471528
1
0
3803
512
3
3
9310
665
9
7
6
3
35491
38782
39291
39291
39294
39294
29984
38629
39285
39287
39288
39291
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

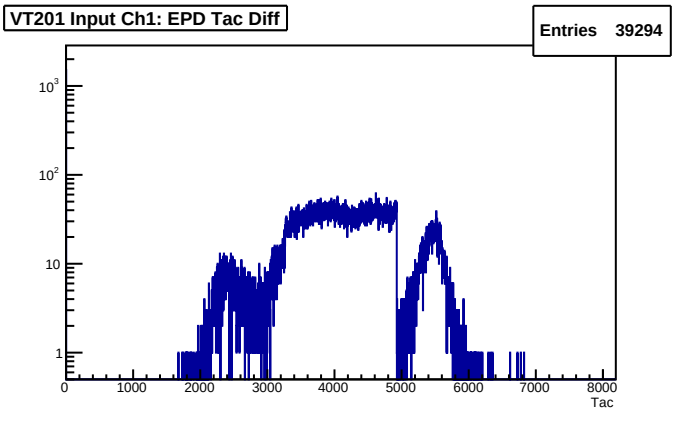

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

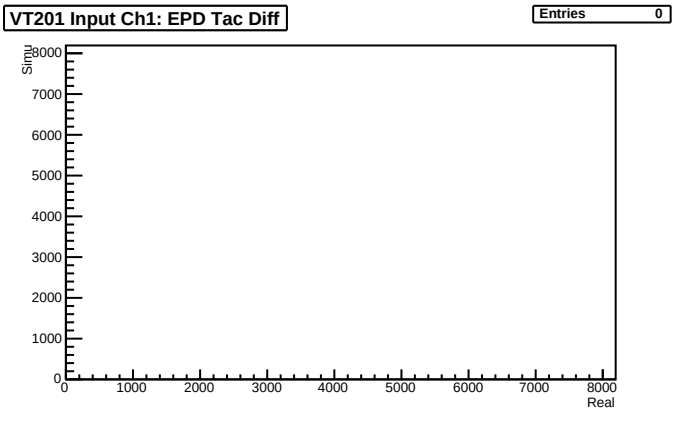

VT201 Input Ch0: BBC Small Tac Diff
Entries 39294
Tac

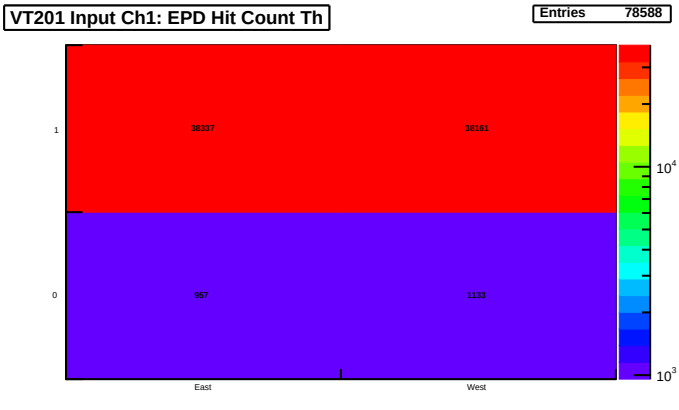

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

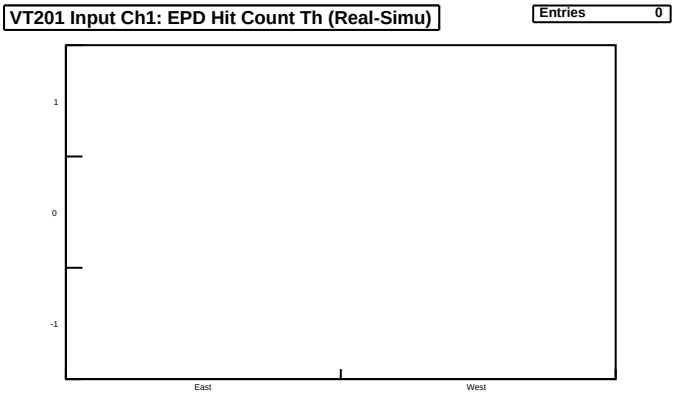

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 78588
29245
34101
10049
5193
East
West

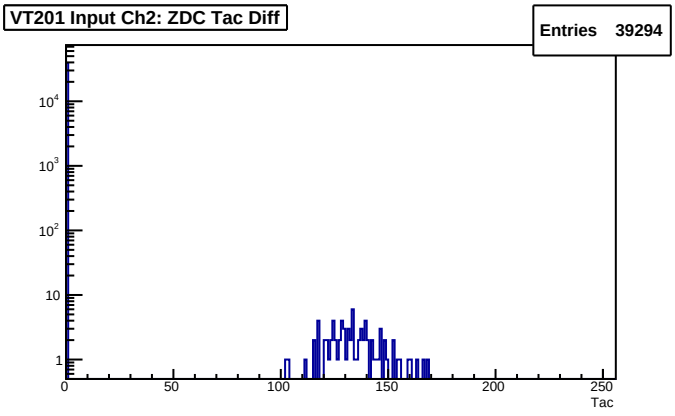

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

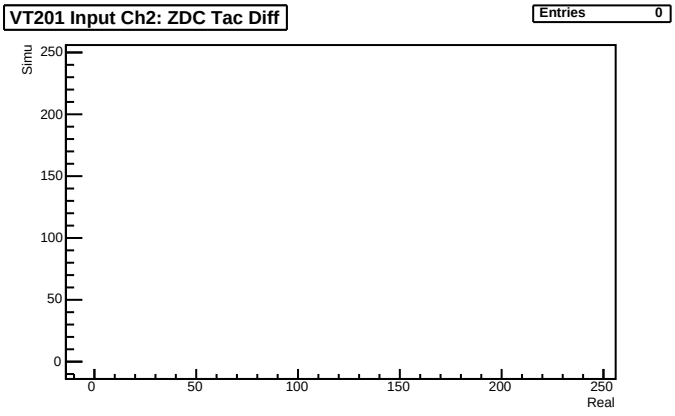

VT201 Input Ch1: EPD Tac Diff
Entries 39294
Tac

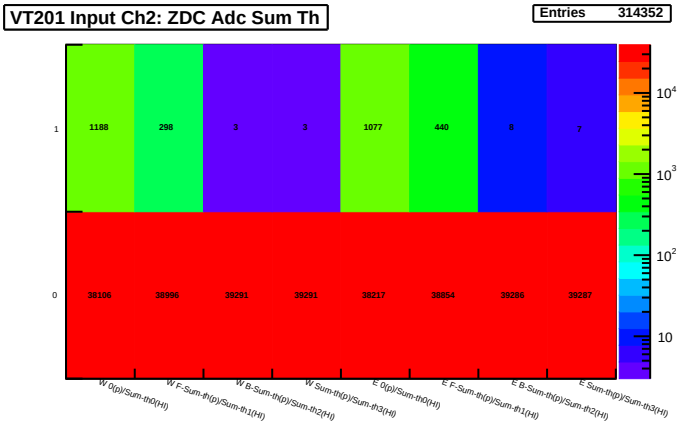

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

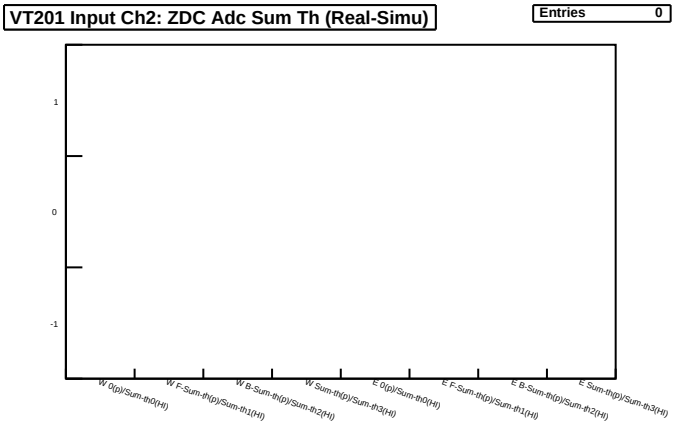

VT201 Input Ch1: EPD Hit Count Th
Entries 78588
38337
38161
957
1133
East
West

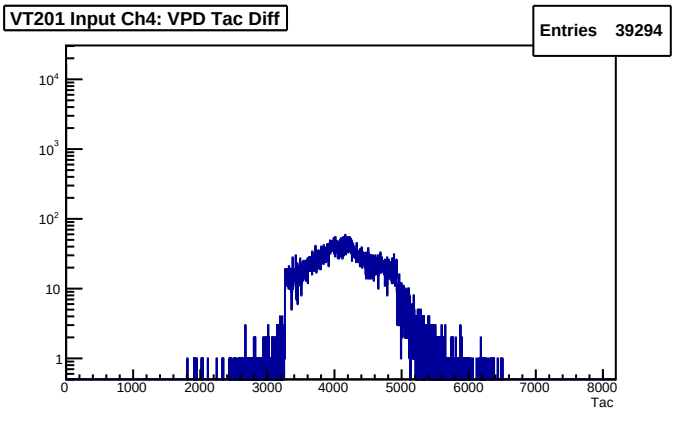

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

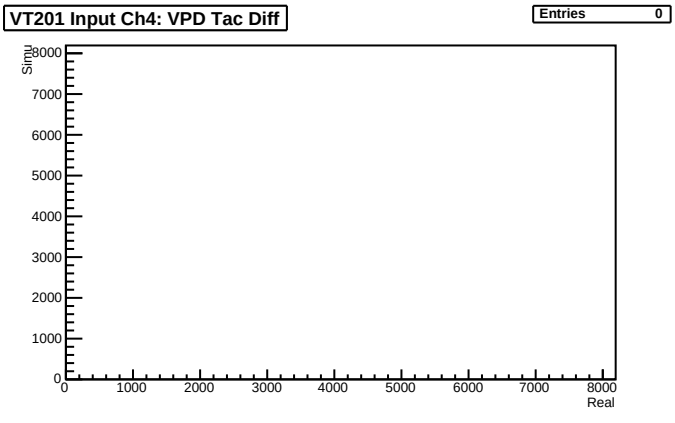

VT201 Input Ch2: ZDC Tac Diff
Entries 39294
Tac

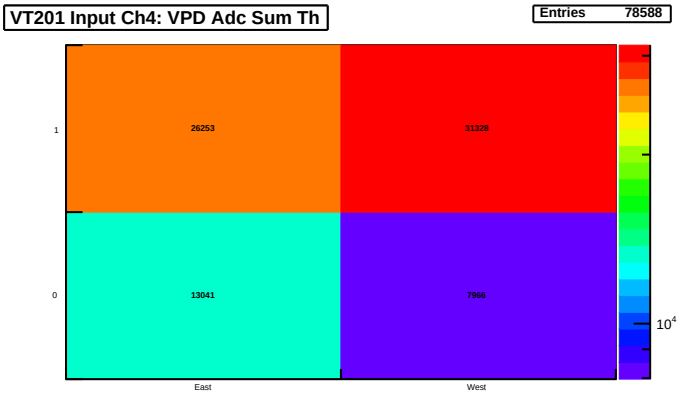

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

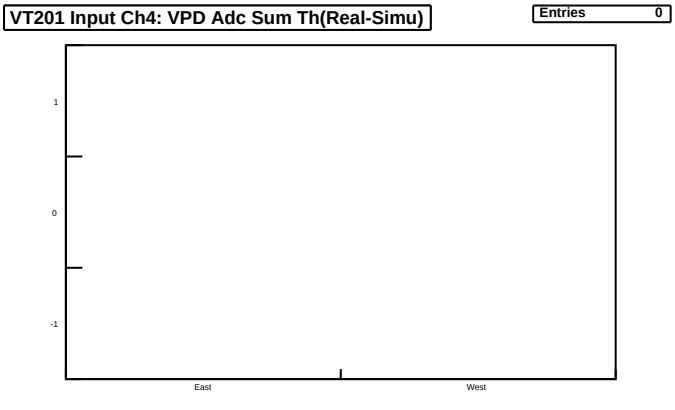

VT201 Input Ch2: ZDC Adc Sum Th
Entries 314352
1188
298
3
3
1077
440
8
7
38106
38996
39291
39291
38217
38854
39286
39287
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

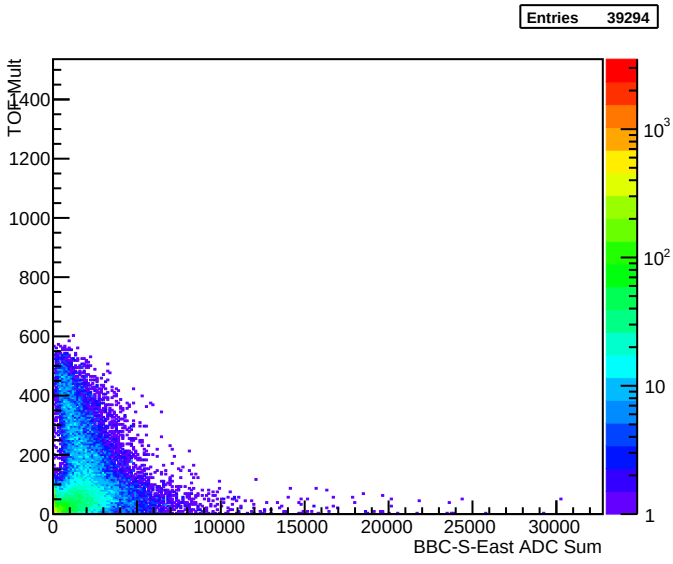

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

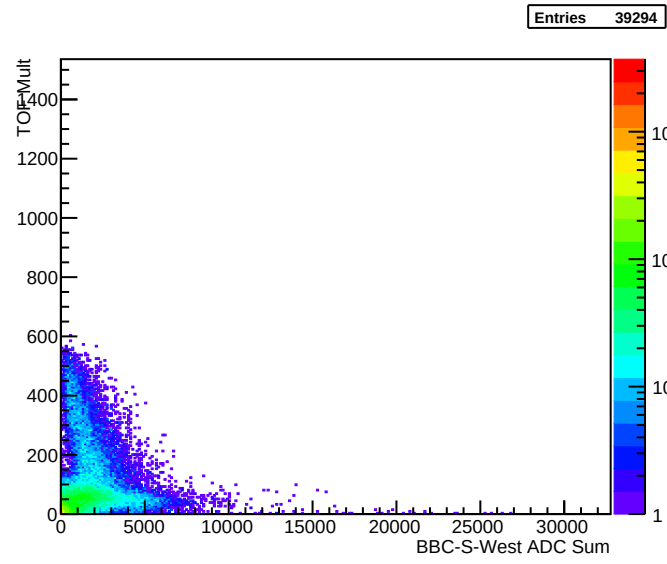

VT201 Input Ch4: VPD Tac Diff
Entries 39294
Tac

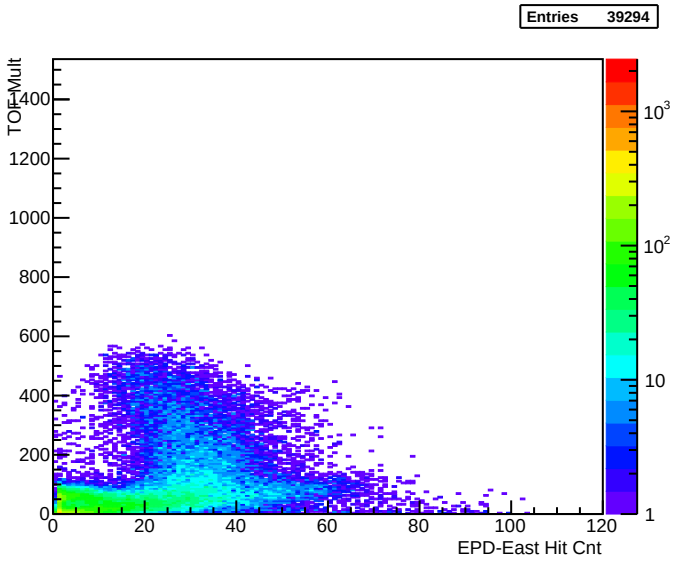

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

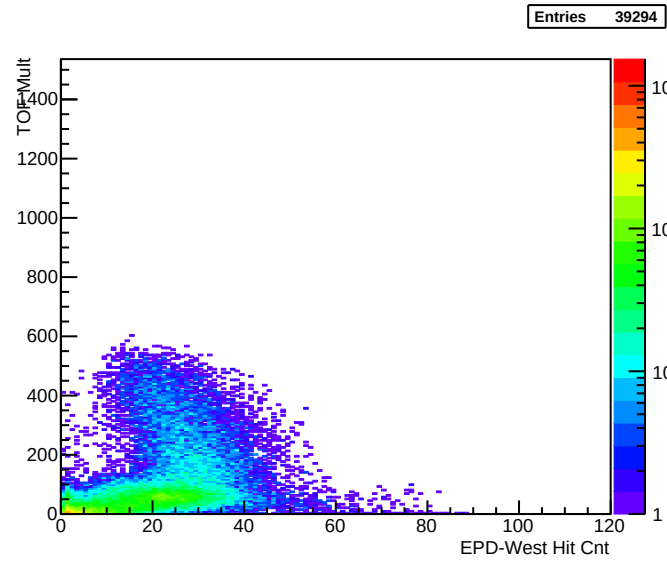

VT201 Input Ch4: VPD Adc Sum Th
Entries 78588
26253
31328
13041
7966
East
West

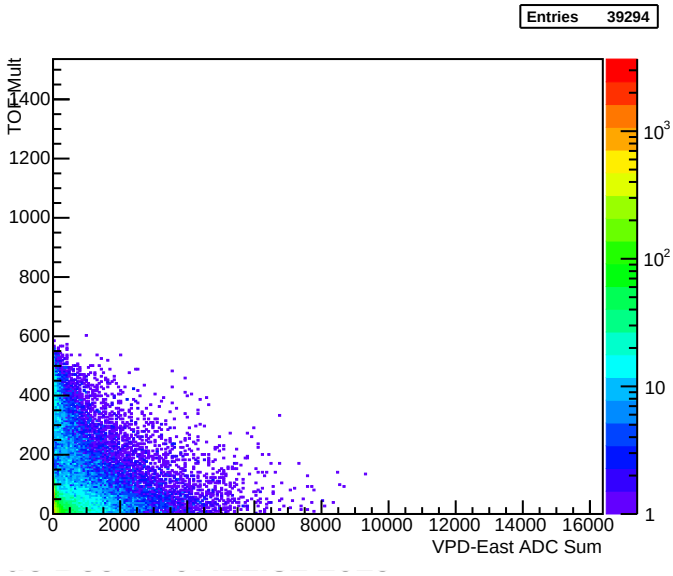

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

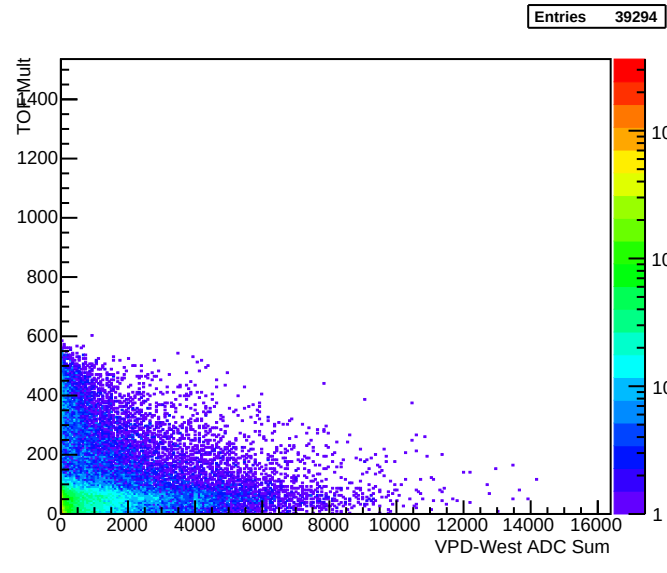

Entries 39294
TOF-Mult
BBC-S-East ADC Sum

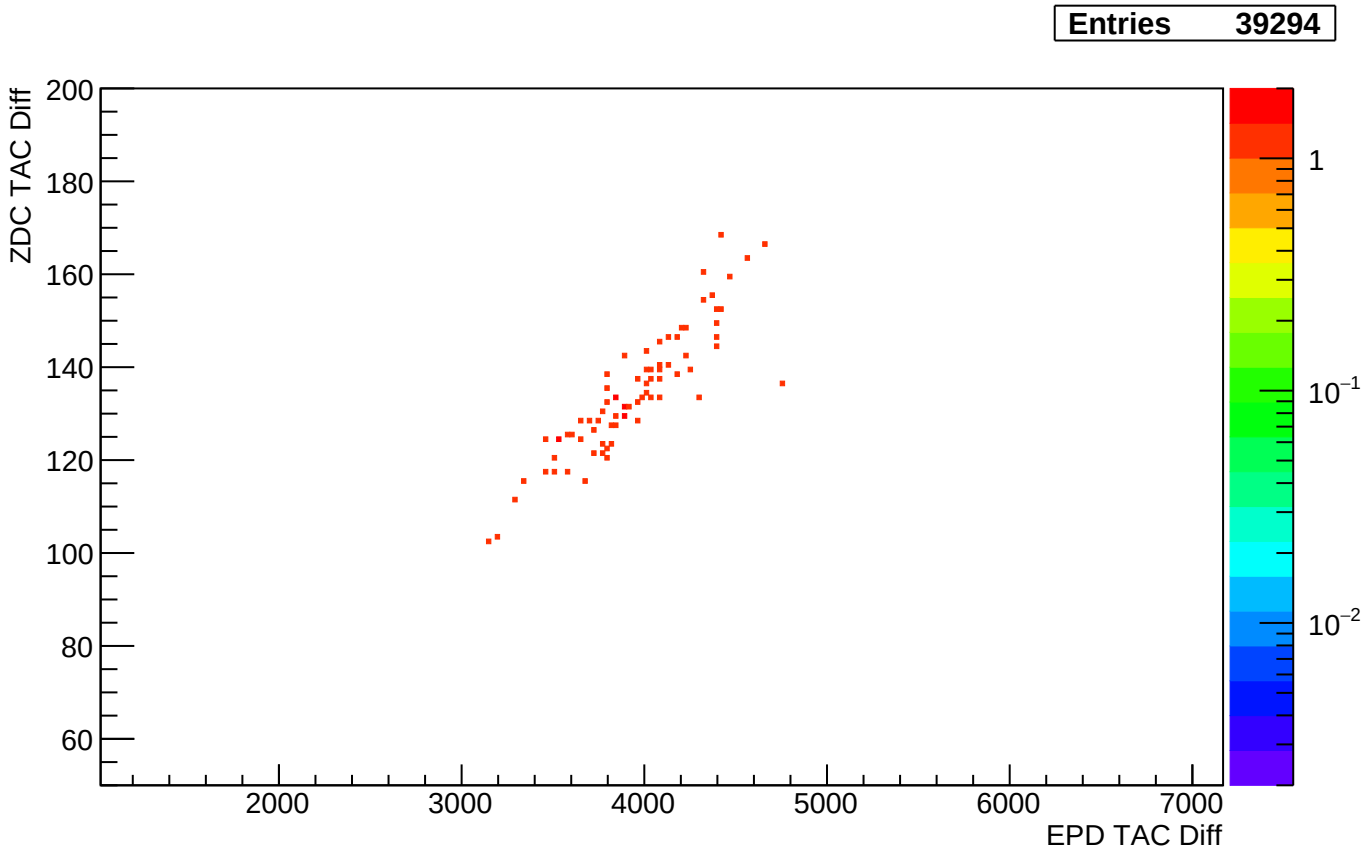

Entries 39294
TOF-Mult
BBC-S-West ADC Sum

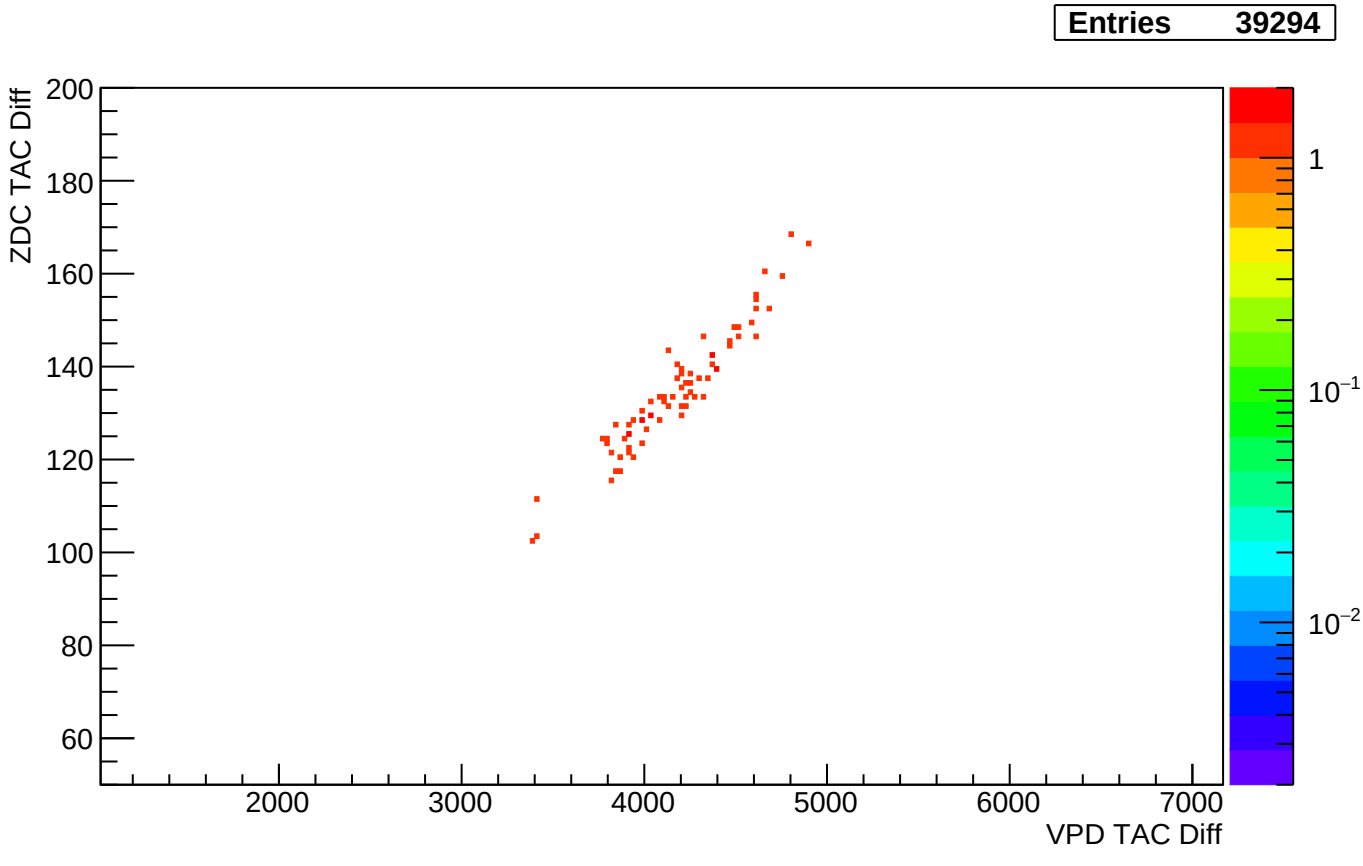

Entries 39294
TOF-Mult
EPD-East Hit Cnt

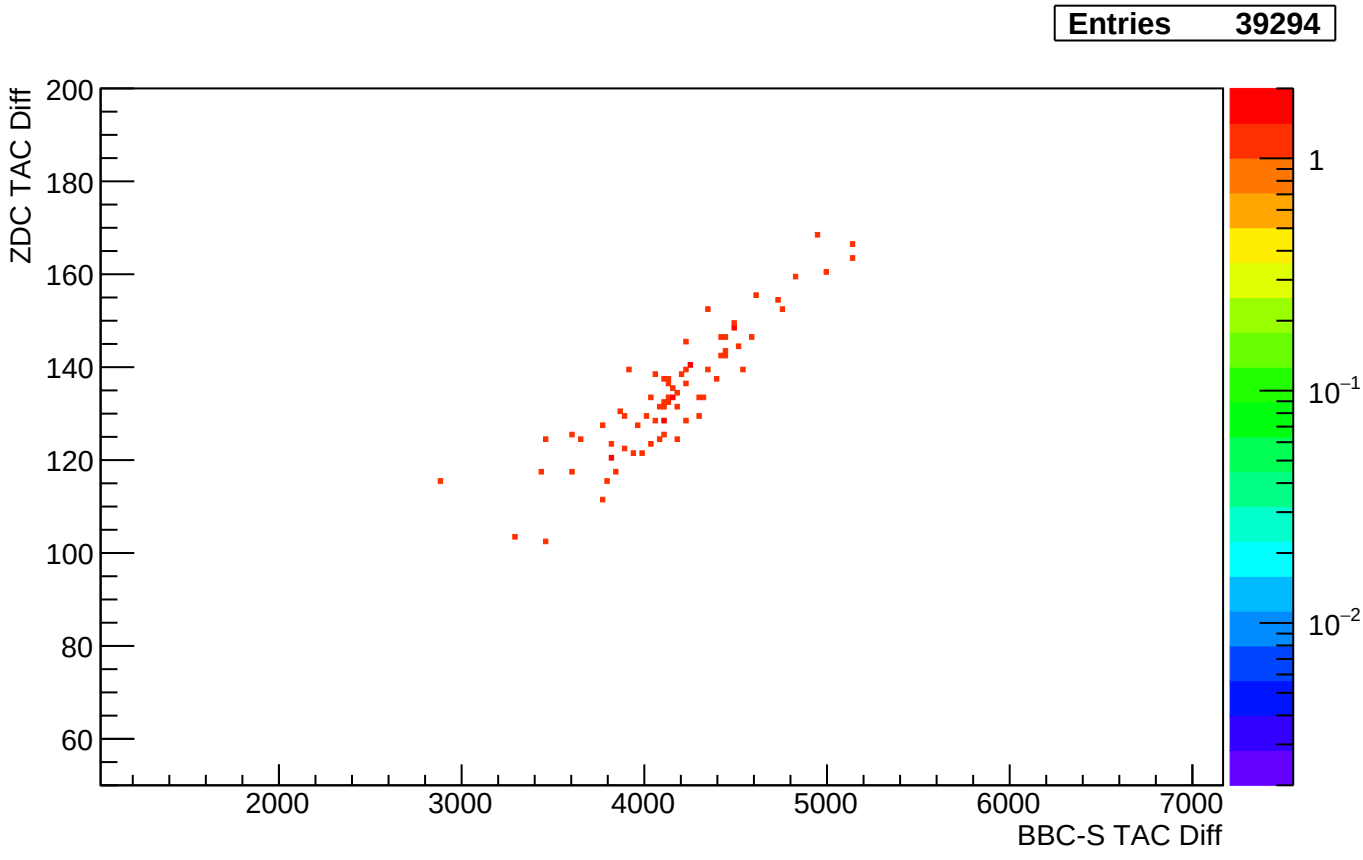

Entries 39294
TOF-Mult
EPD-West Hit Cnt

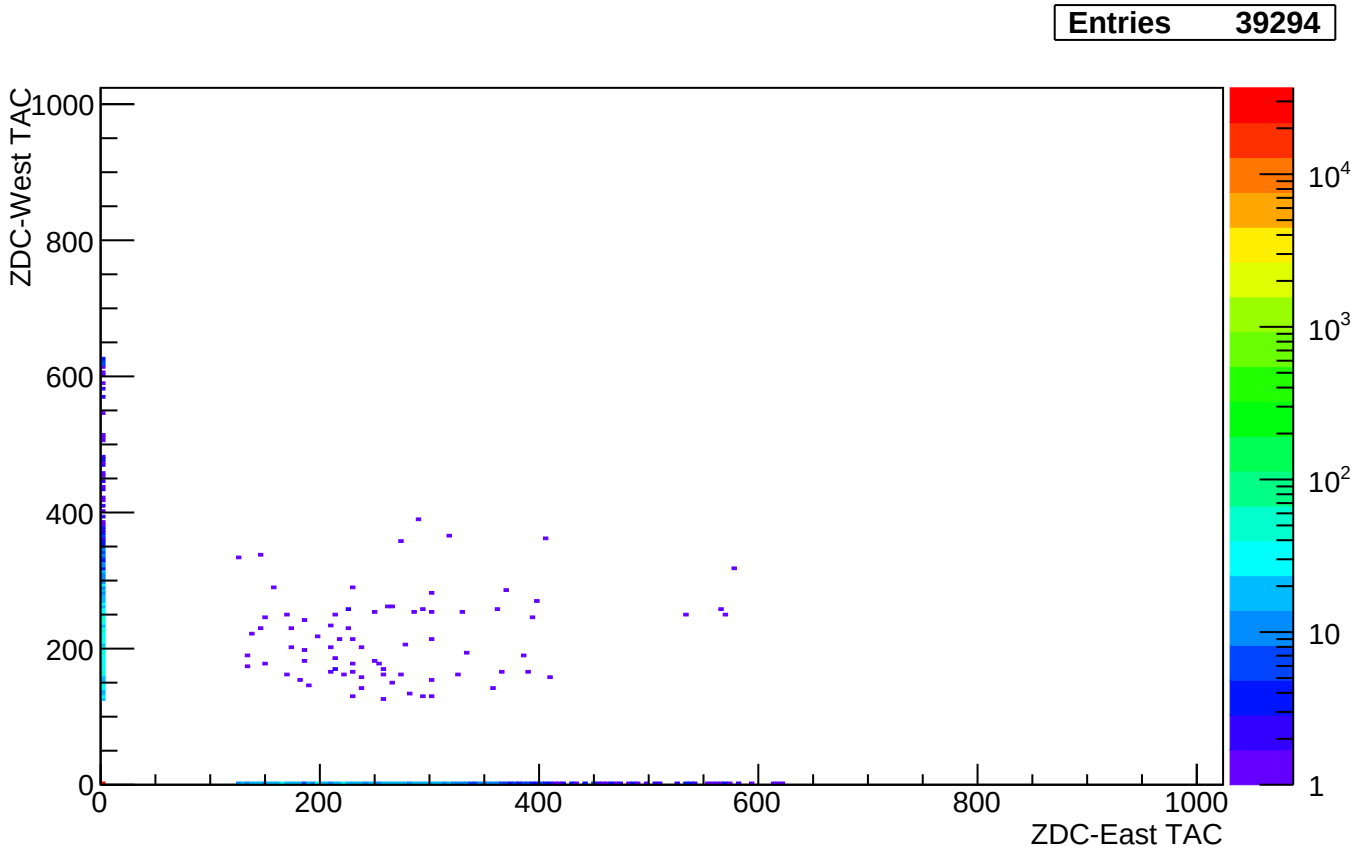

Entries 39294
TOF-Mult
VPD-East ADC Sum

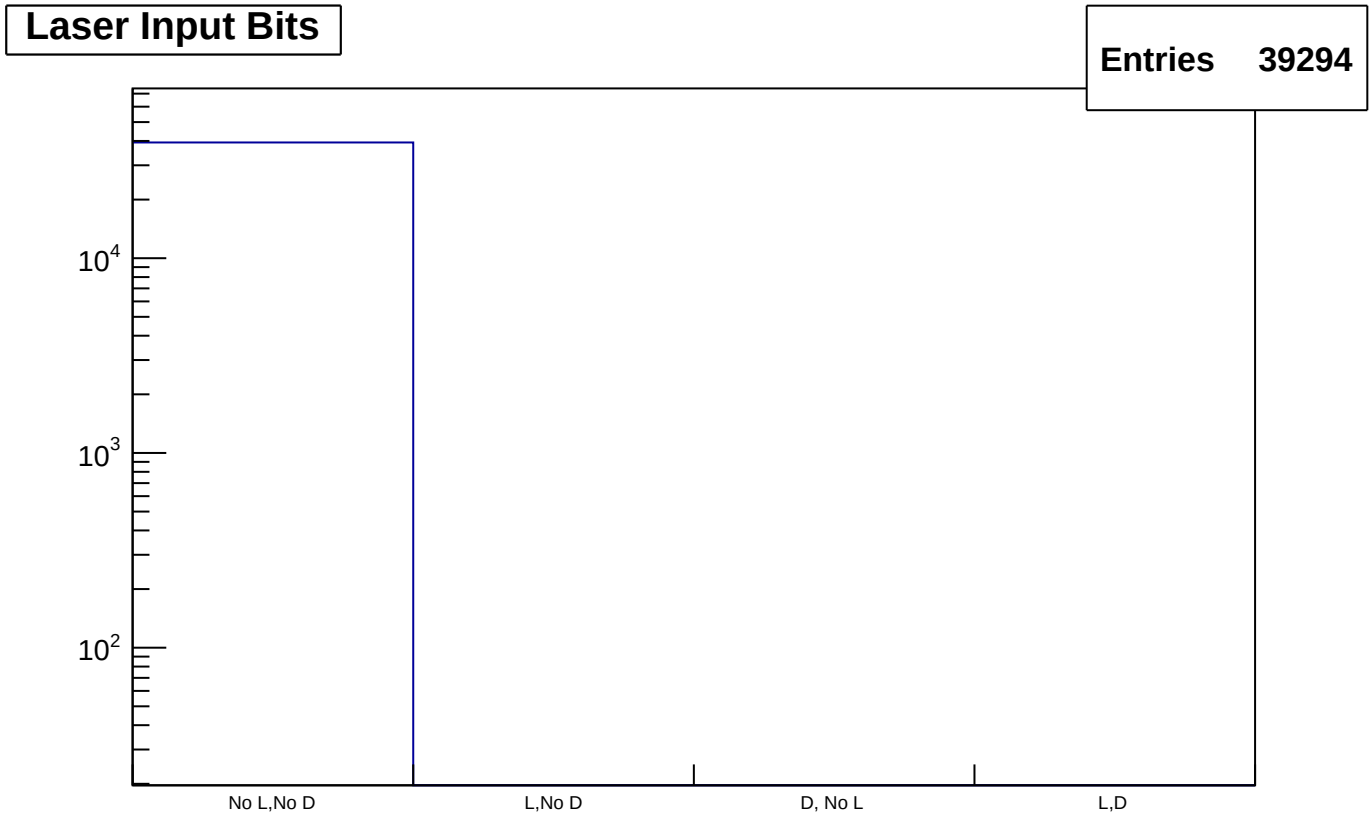

Entries 39294
TOF-Mult
VPD-West ADC Sum

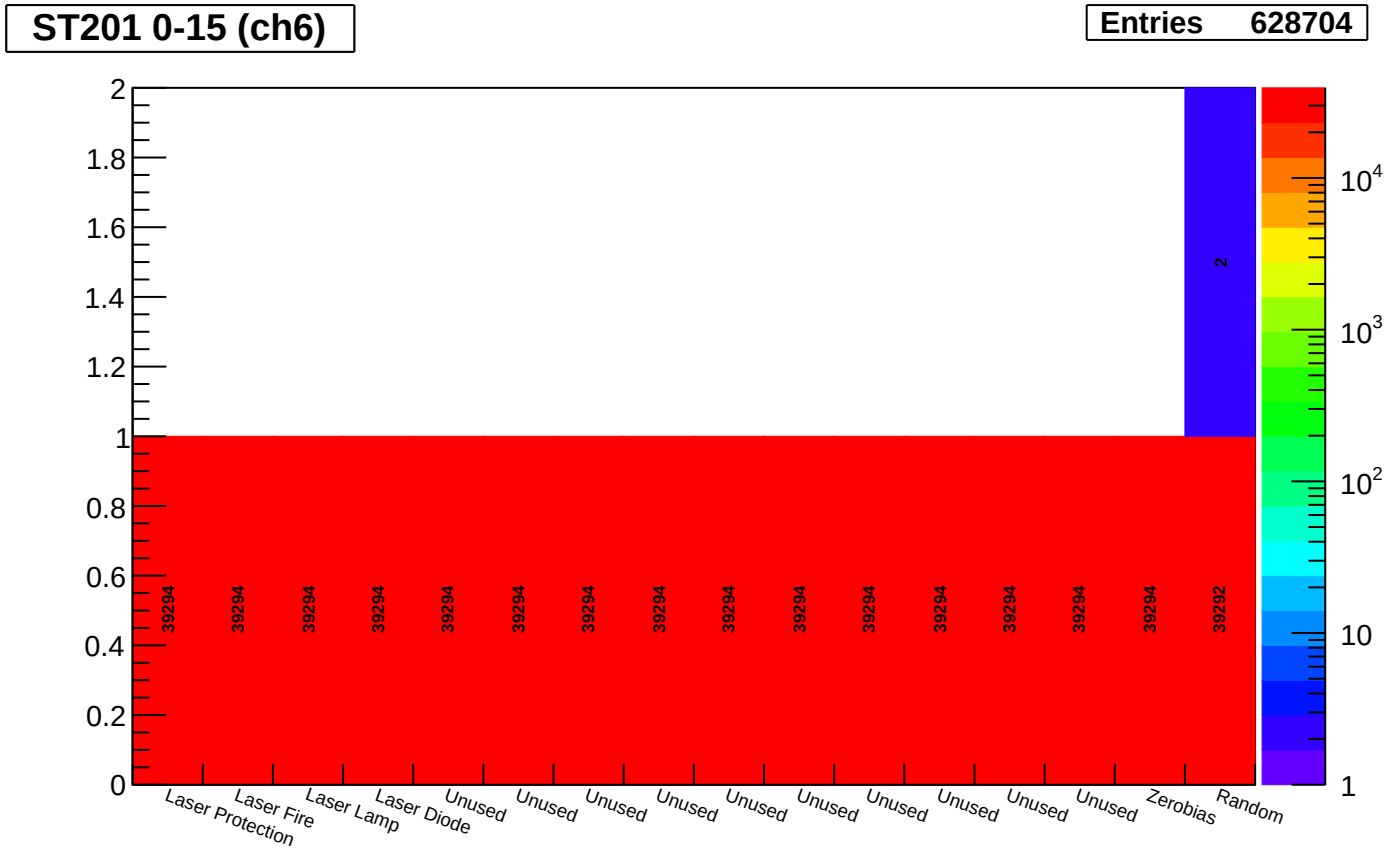

Entries 39294
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

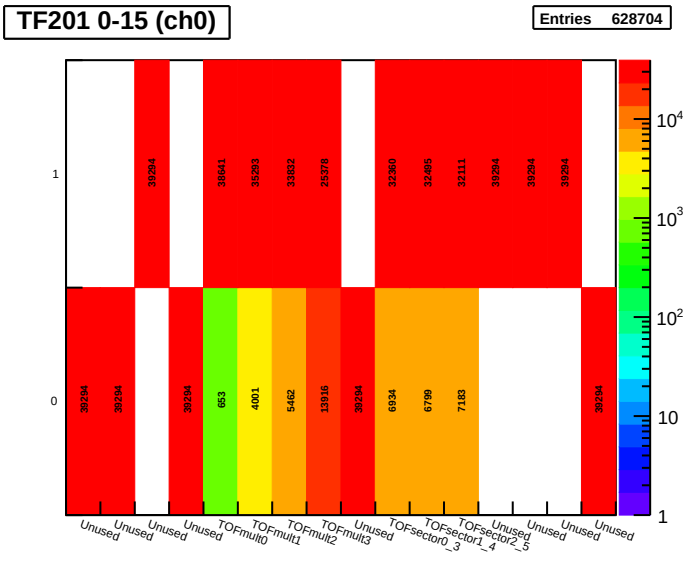

Entries 39294
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

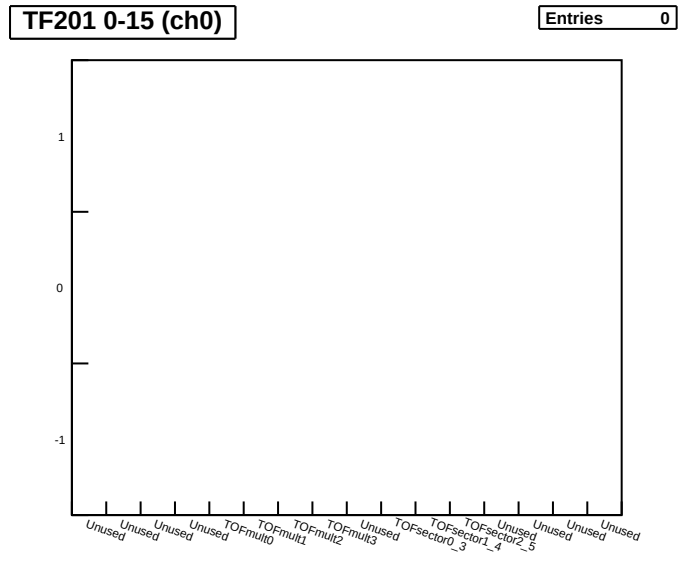

Entries 39294
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

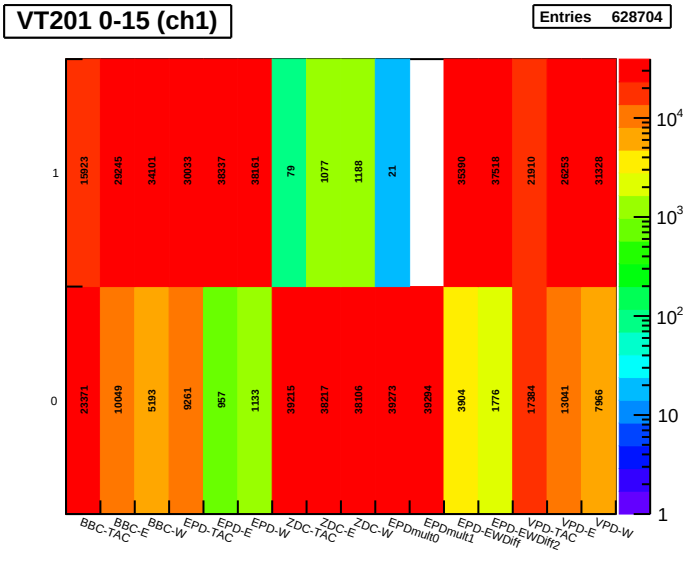

Entries 39294
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

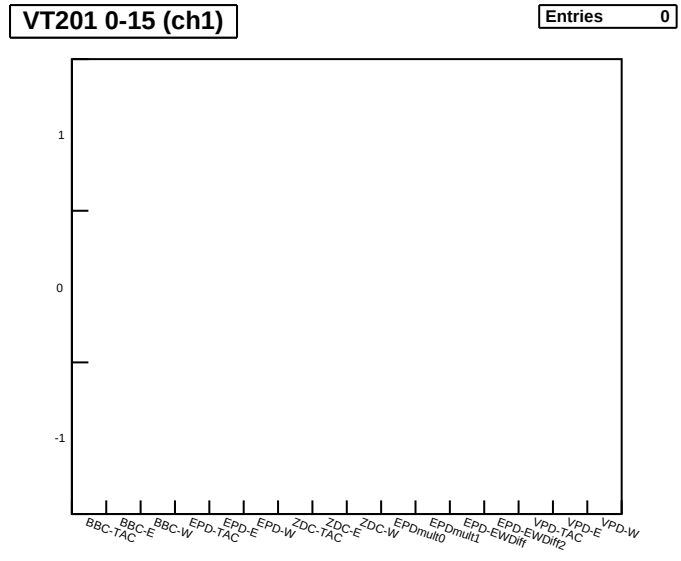

Laser Input Bits
Entries 39294
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

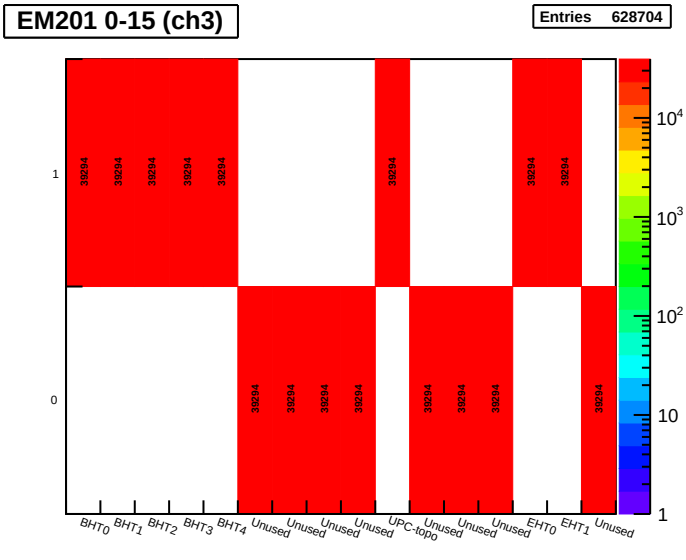

ST201 0-15 (ch6)
Entries 628704
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
39294
39292
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

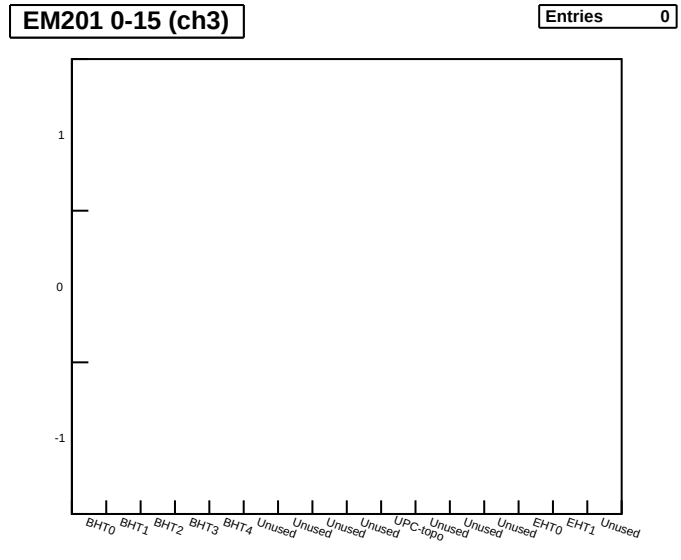

TF201 0-15 (ch0)
Entries 628704
1
0
39294 39294 39294 653 4001 5462 13916 39294 6934 6799 7183 39294
39294 35293 33832 25378 32360 32495 32111 39294 39294 39294
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4 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 628704
1
0
15923 23245 34101 30033 38337 38161 79 1077 1188 21 35390 37518 21910 26253 31328
23371 10049 5193 9261 967 1133 39215 38217 38106 39273 39294 3904 1776 17384 13041 7966
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff VPD-TAC VPD-E VPD-W
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 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 628704
1
0
39294 39294 39294 39294 39294 39294 39294 39294 39294
39294 39294 39294 39294 39294 39294 39294 39294
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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