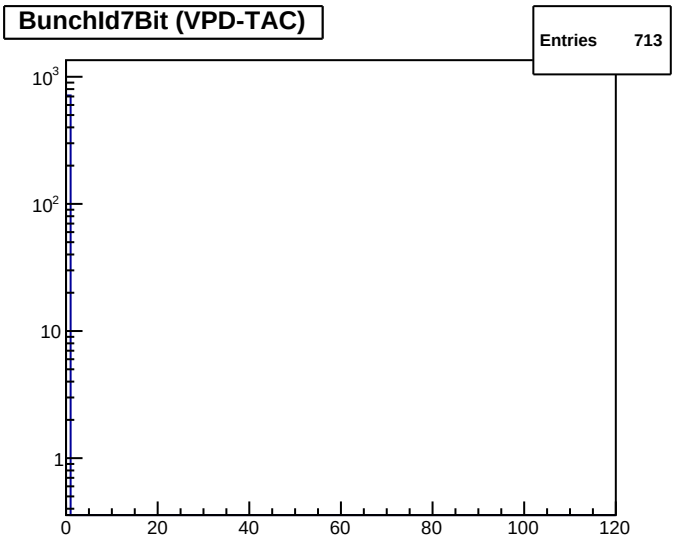
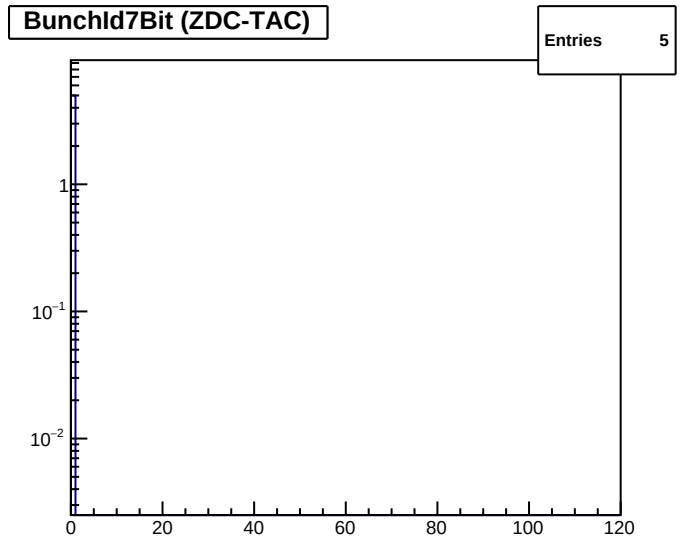
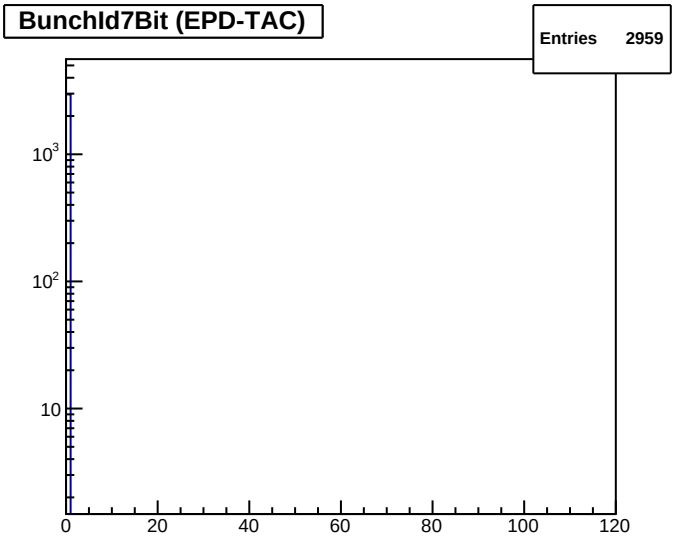
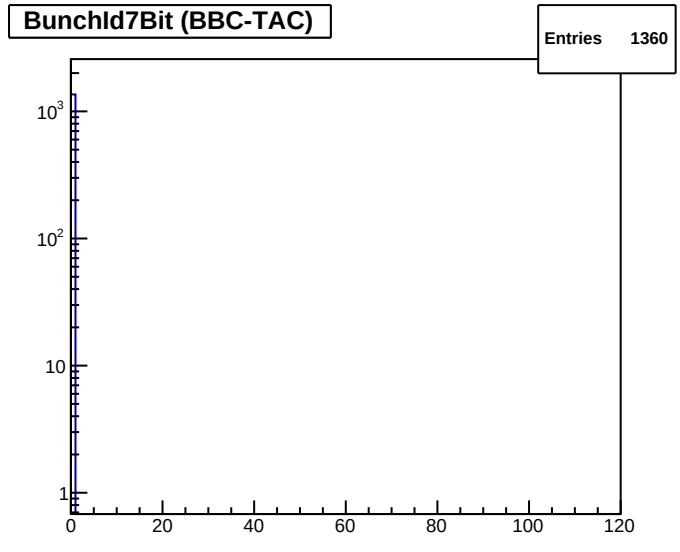
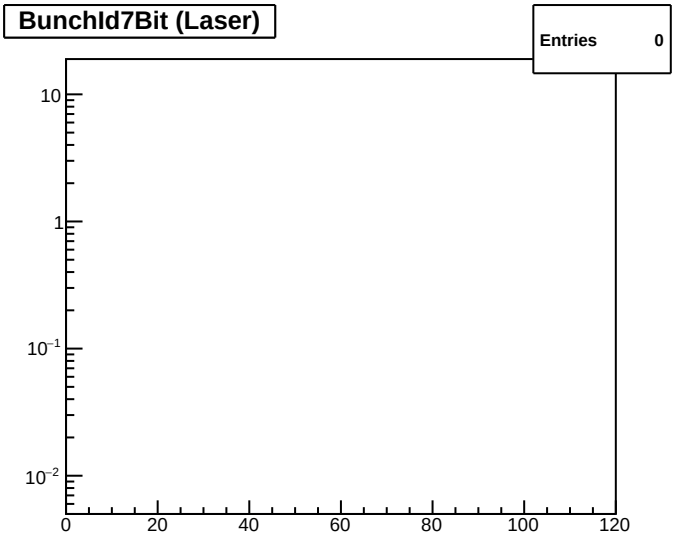
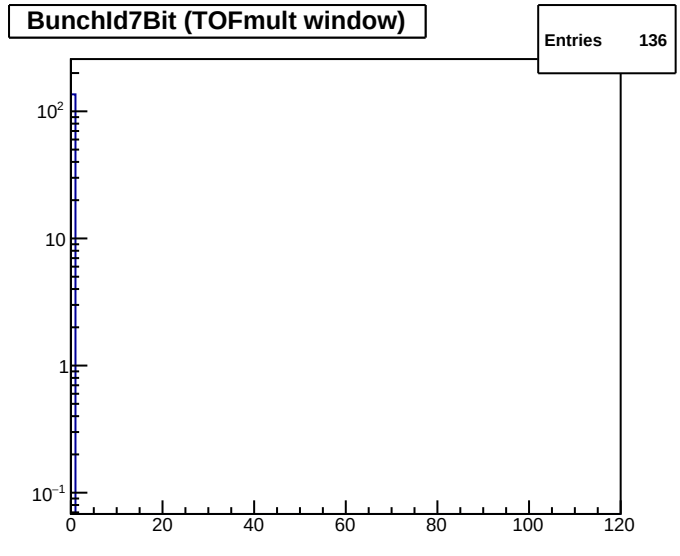

BunchId7Bit (VPD-TAC)
Entries 713

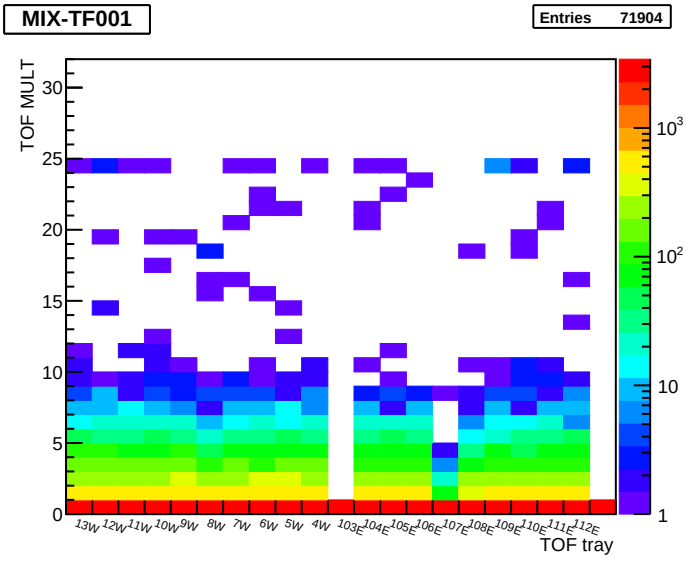

BunchId7Bit (ZDC-TAC)
Entries 5

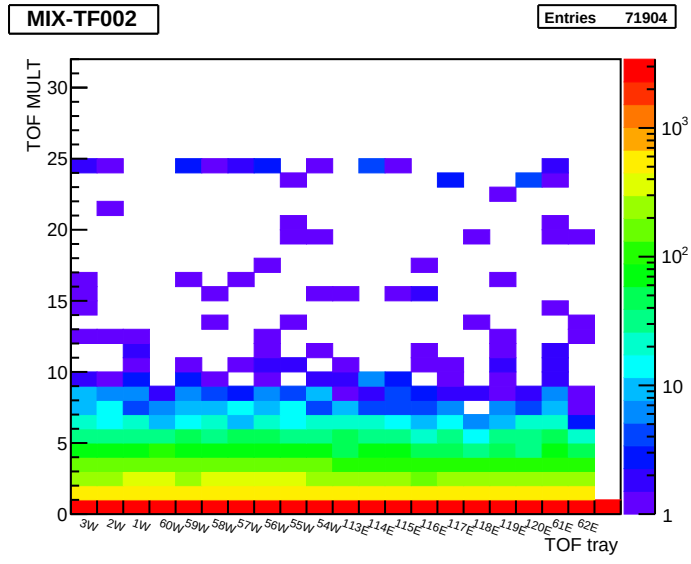

BunchId7Bit (EPD-TAC)
Entries 2959

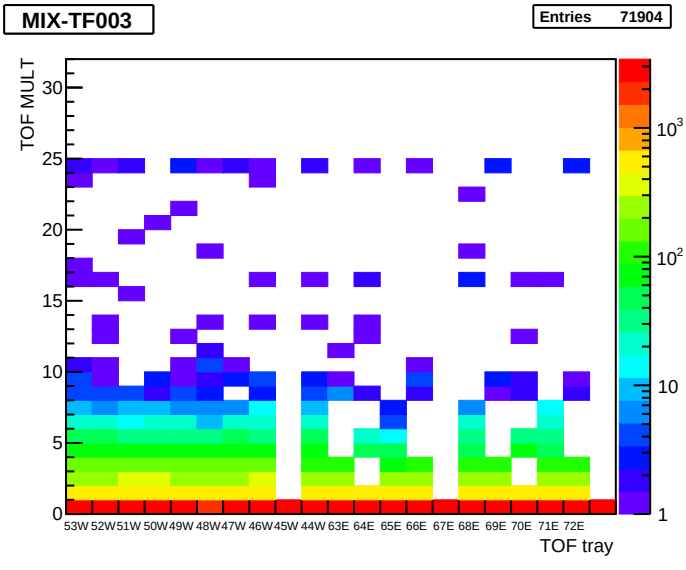

BunchId7Bit (BBC-TAC)
Entries 1360

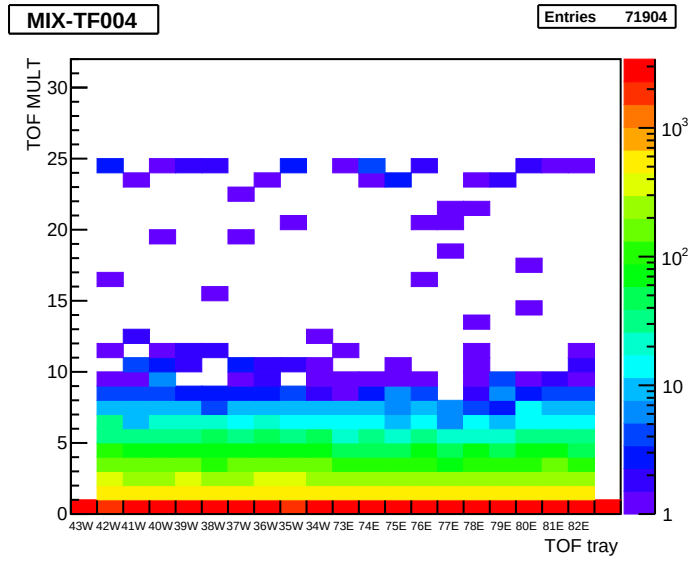

BunchId7Bit (Laser)
Entries 0

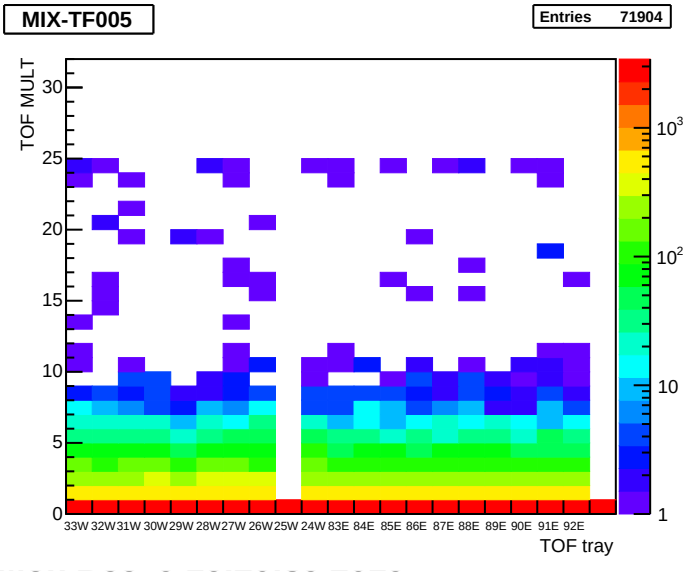

BunchId7Bit (TOFmult window)
Entries 136

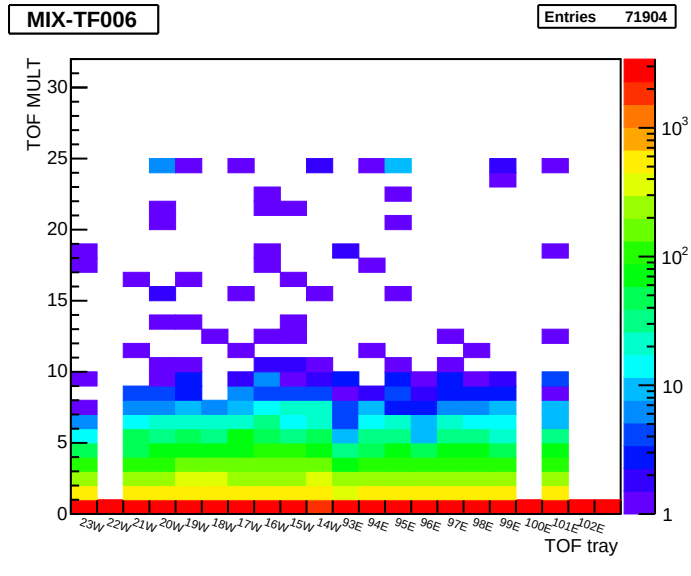

MIX-TF001
Entries 71904
TOF MULT
TOF tray

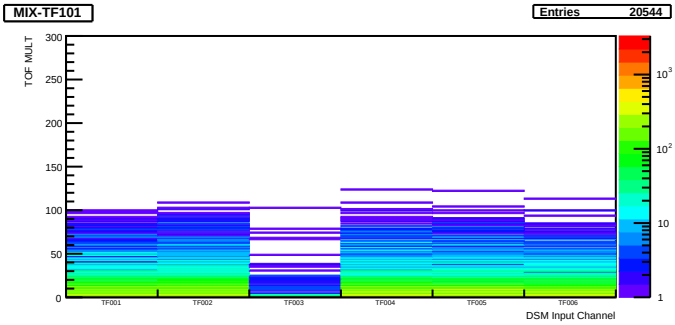

MIX-TF002
Entries 71904
TOF MULT
TOF tray

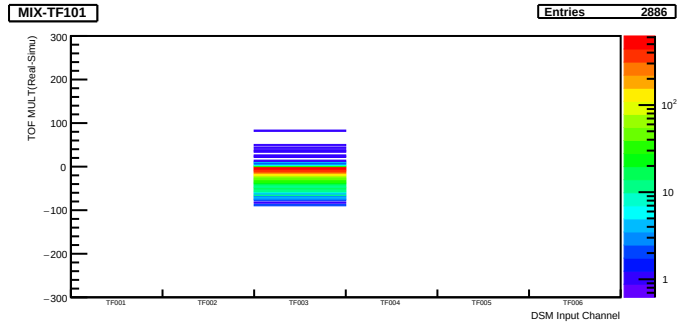

MIX-TF003
Entries 71904
TOF MULT
TOF tray

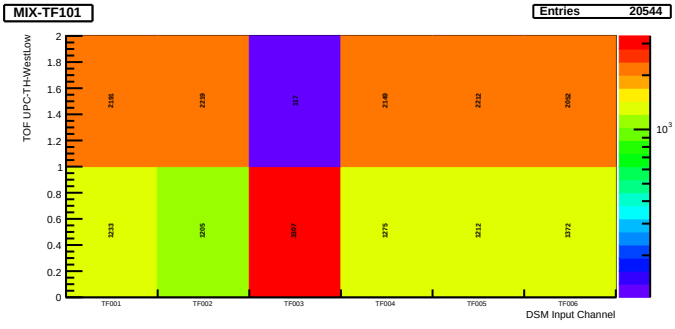

MIX-TF004
Entries 71904
TOF MULT
TOF tray

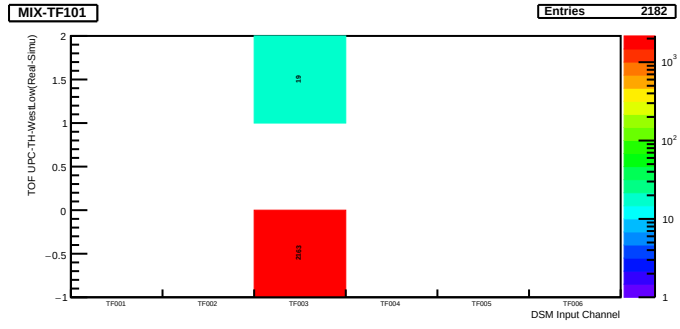

MIX-TF005
Entries 71904
TOF MULT
TOF tray

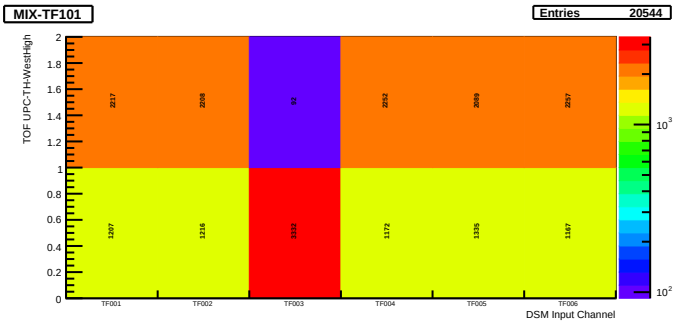

MIX-TF006
Entries 71904
TOF MULT
TOF tray

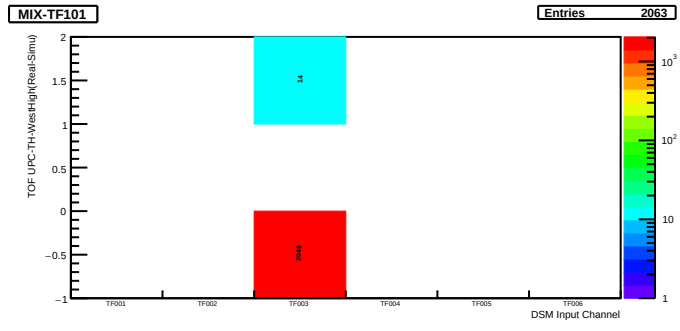

MIX-TF101
Entries 20544
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

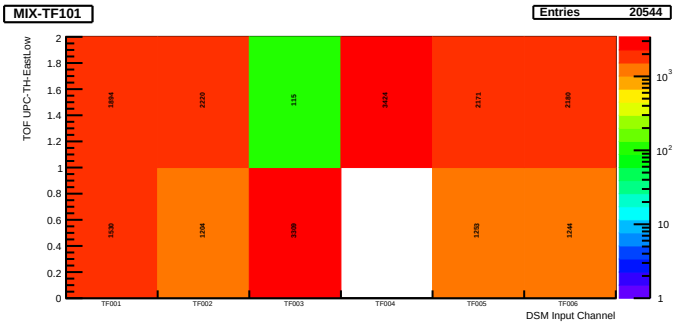

MIX-TF101
Entries 2886
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

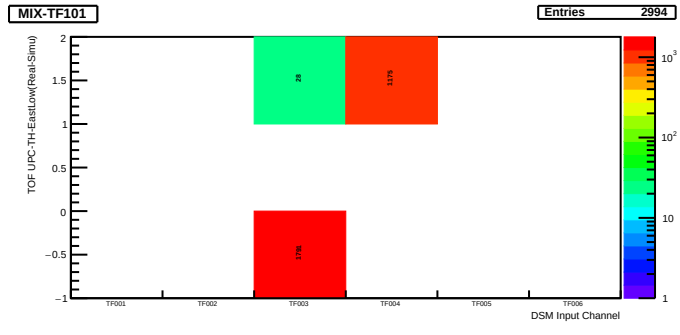

MIX-TF101
Entries 20544
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

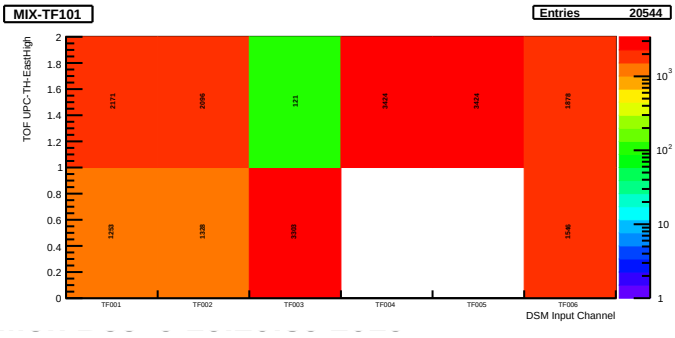

MIX-TF101
Entries 2182
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

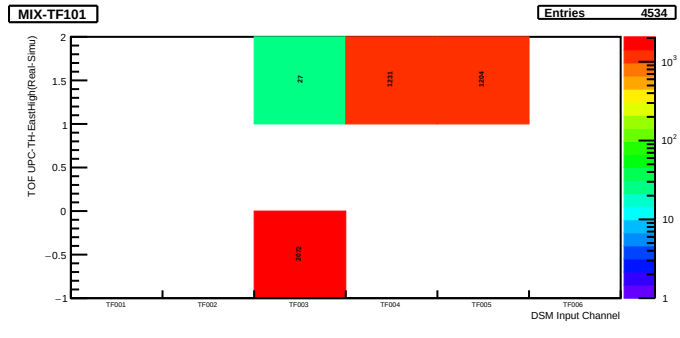

MIX-TF101
Entries 20544
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

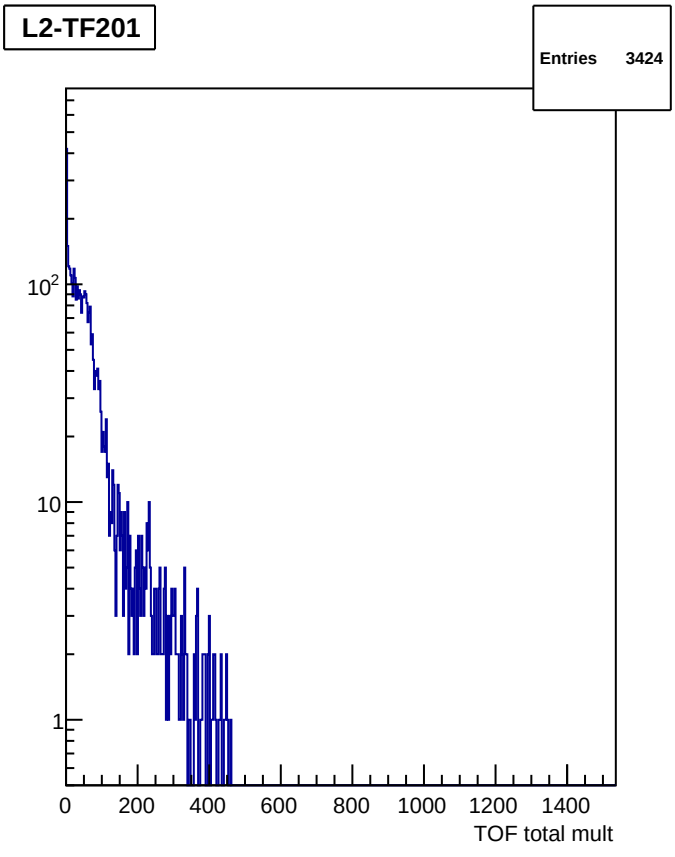

MIX-TF101
Entries 2063
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

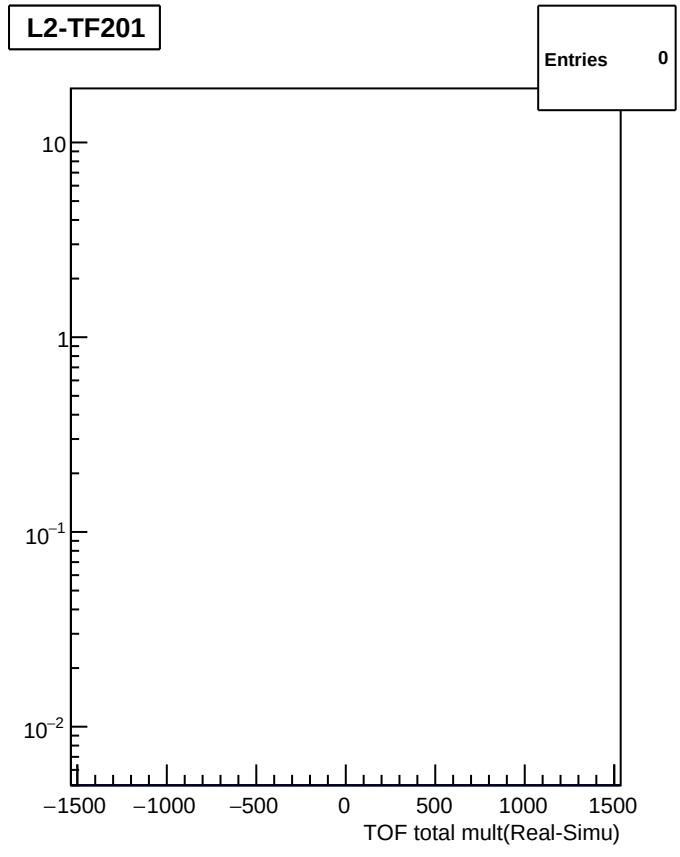

MIX-TF101
Entries 20544
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

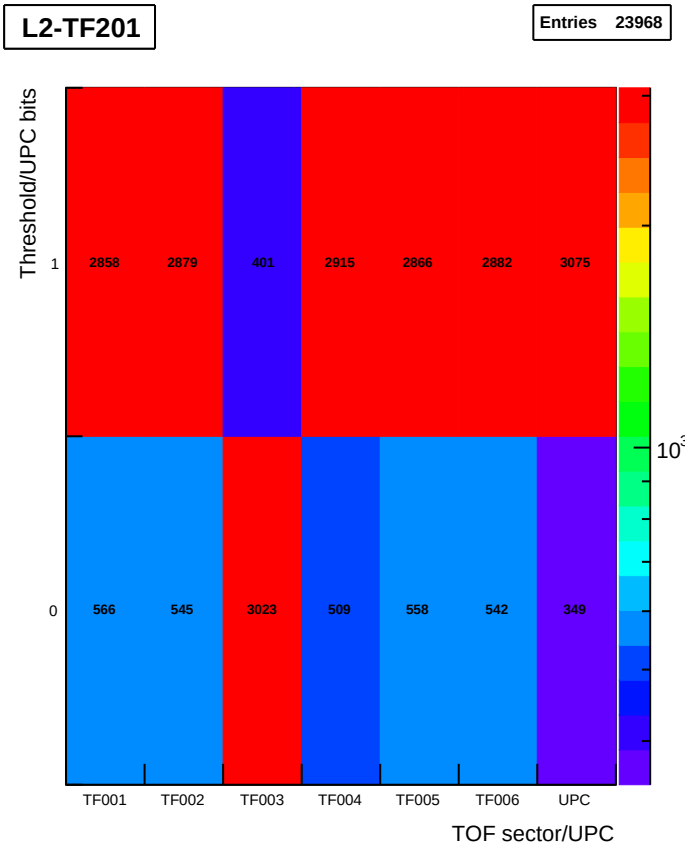

MIX-TF101
Entries 2994
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

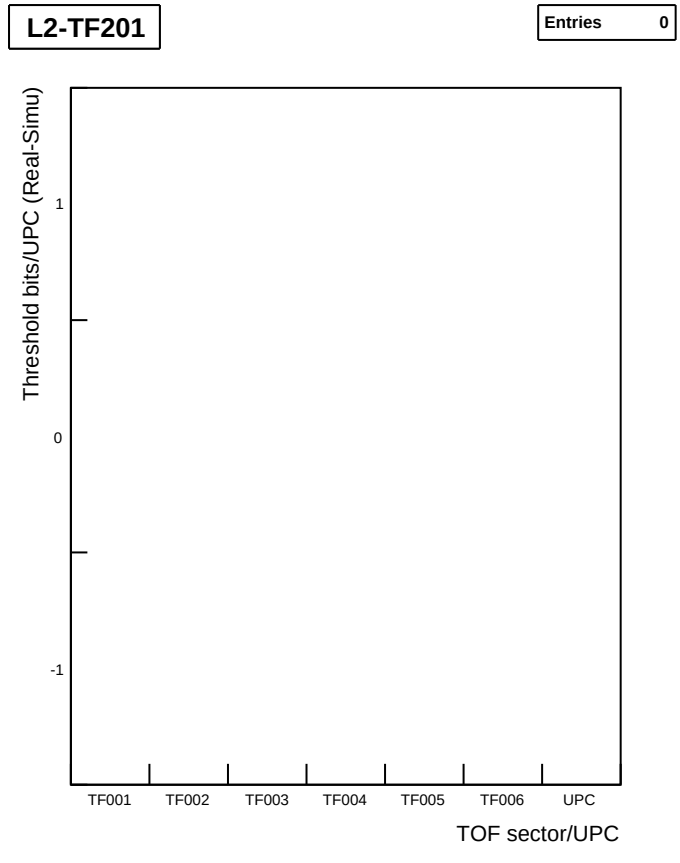

MIX-TF101
Entries 20544
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

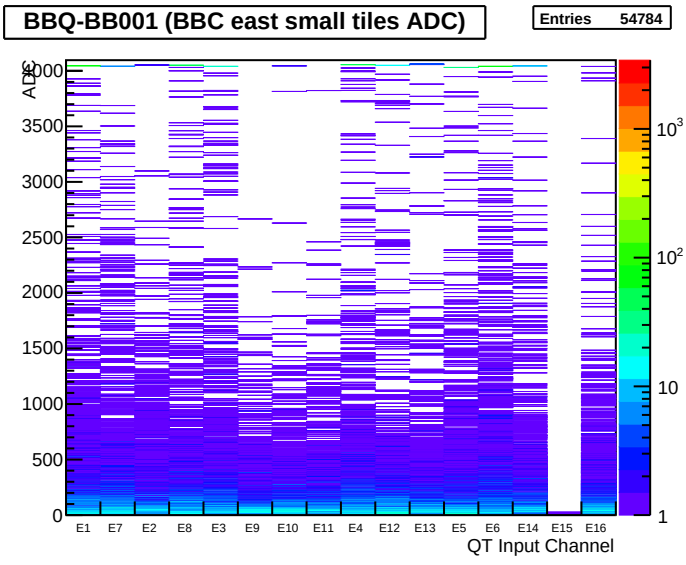

MIX-TF101
Entries 4534
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

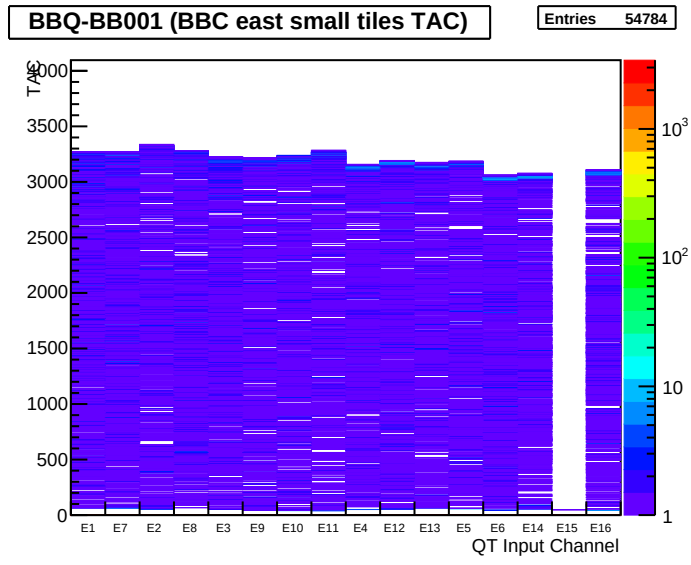

L2-TF201
Entries 3424
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

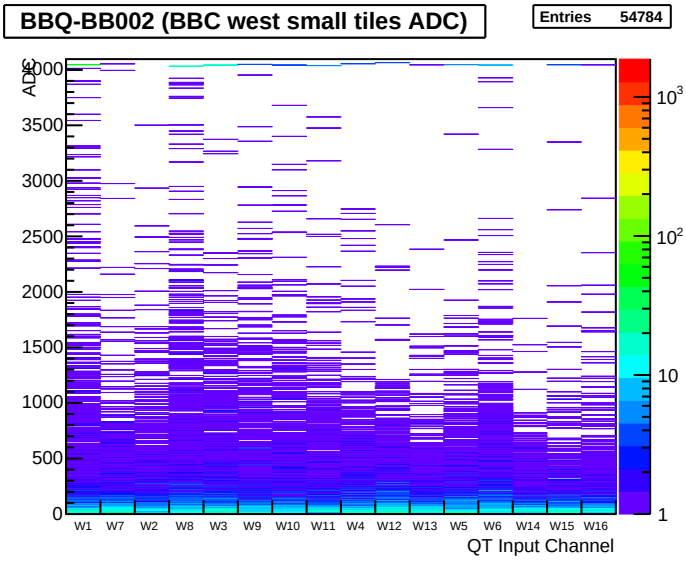

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

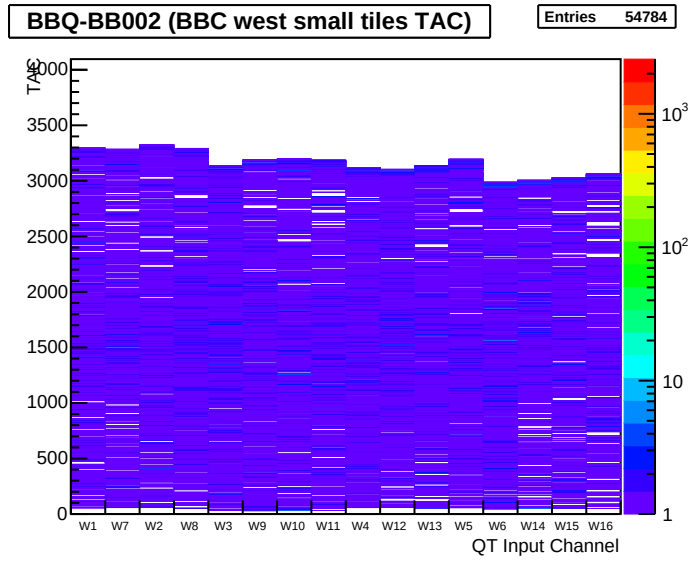

L2-TF201
Entries 23968
Threshold/UPC bits
1
0
2858
2879
401
2915
2866
2882
3075
566
545
3023
509
558
542
349
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

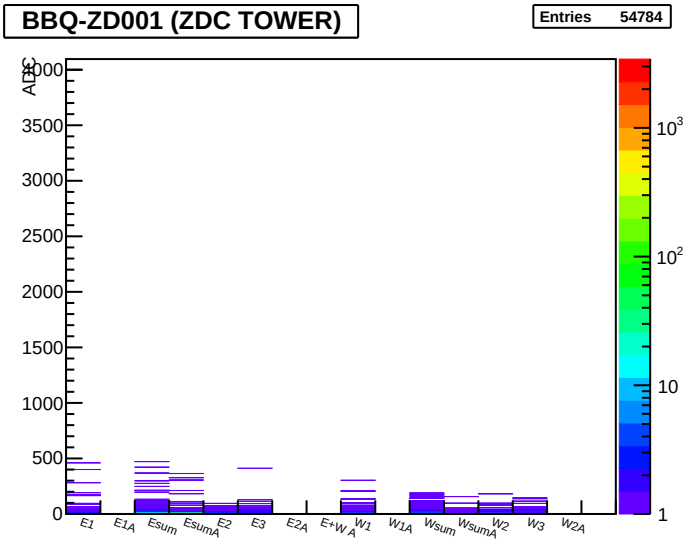

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

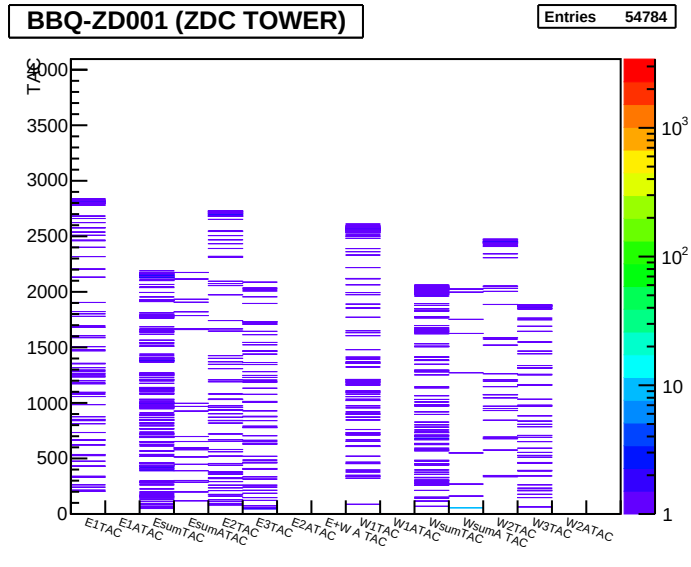

BBQ-BB001 (BBC east small tiles ADC)
Entries 54784
ADC
QT Input Channel

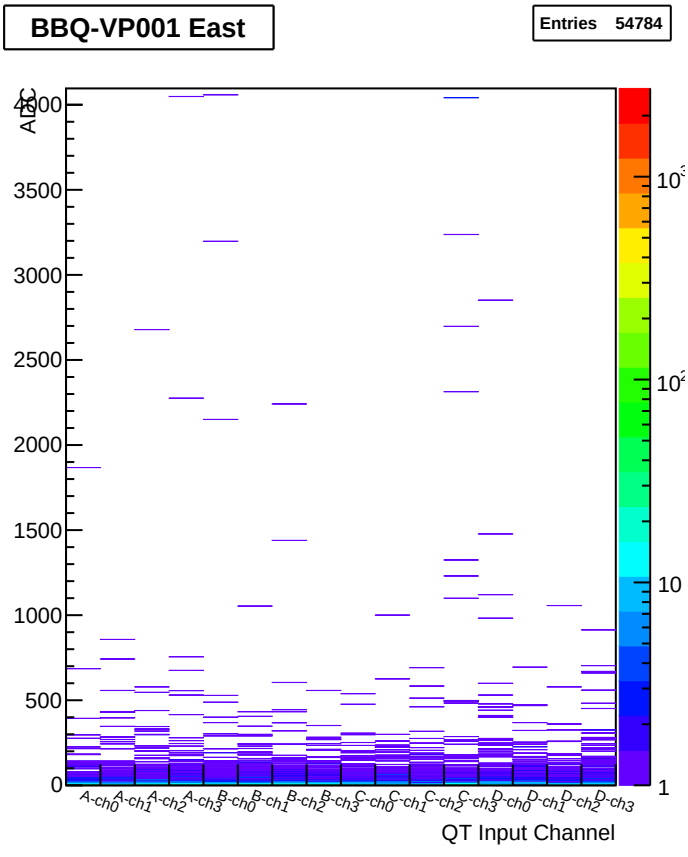

BBQ-BB001 (BBC east small tiles TAC)
Entries 54784
TAC
QT Input Channel

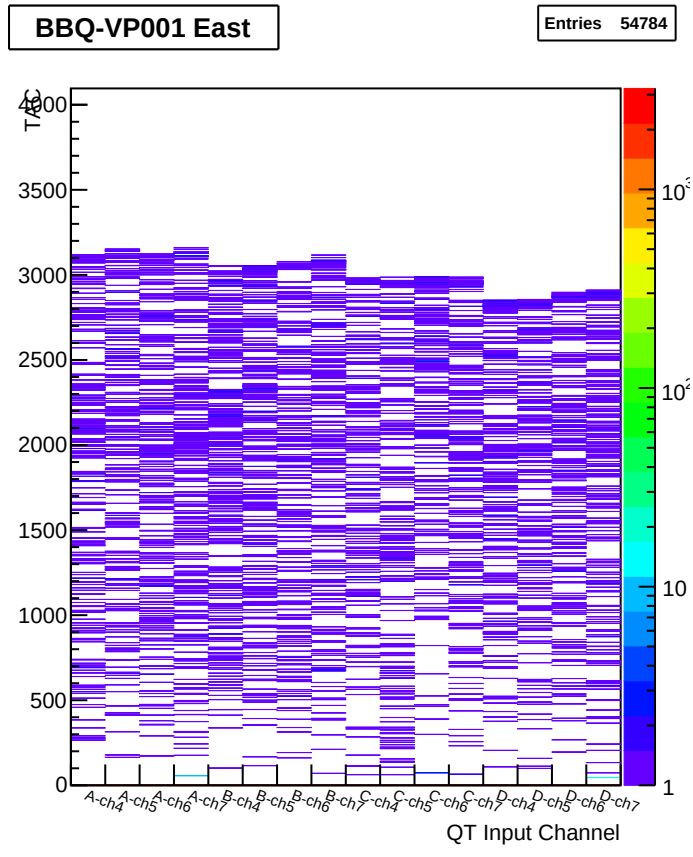

BBQ-BB002 (BBC west small tiles ADC)
Entries 54784
ADC
QT Input Channel

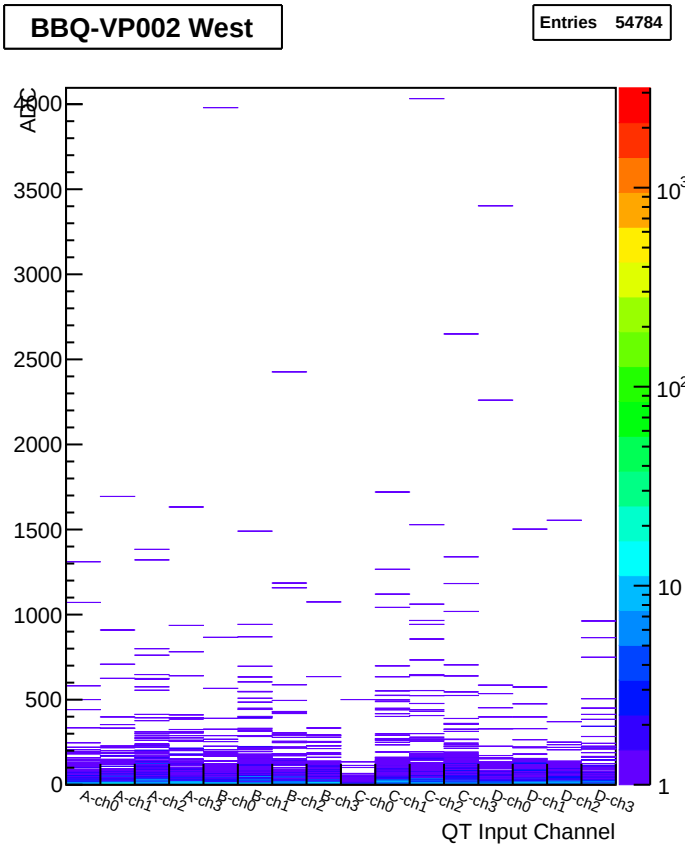

BBQ-BB002 (BBC west small tiles TAC)
Entries 54784
TAC
QT Input Channel

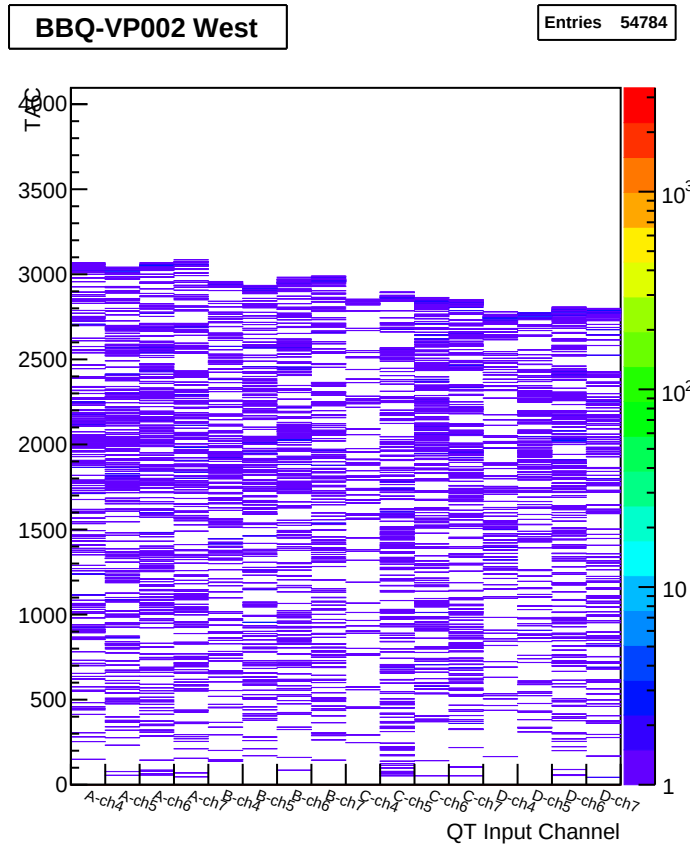

BBQ-ZD001 (ZDC TOWER)
Entries 54784
ADC

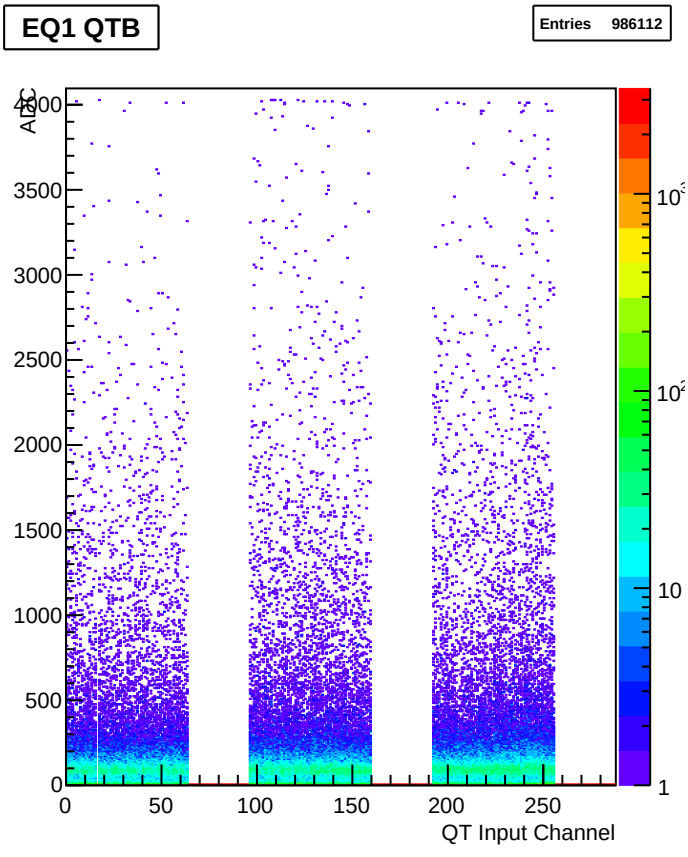

BBQ-ZD001 (ZDC TOWER)
Entries 54784
TAC

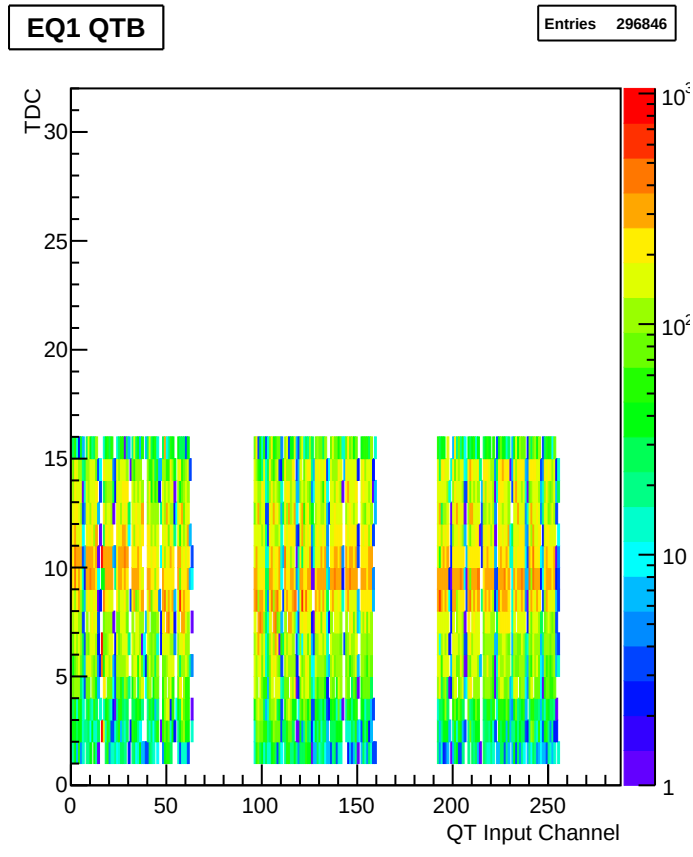

BBQ-VP001 East
Entries 54784
ADC
QT Input Channel

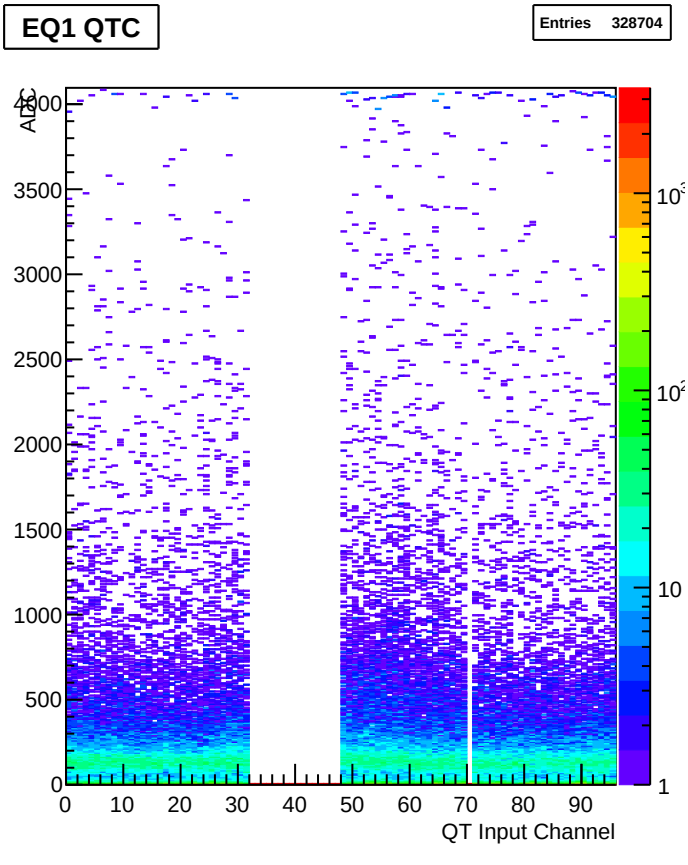

BBQ-VP001 East
Entries 54784
TADC
QT Input Channel

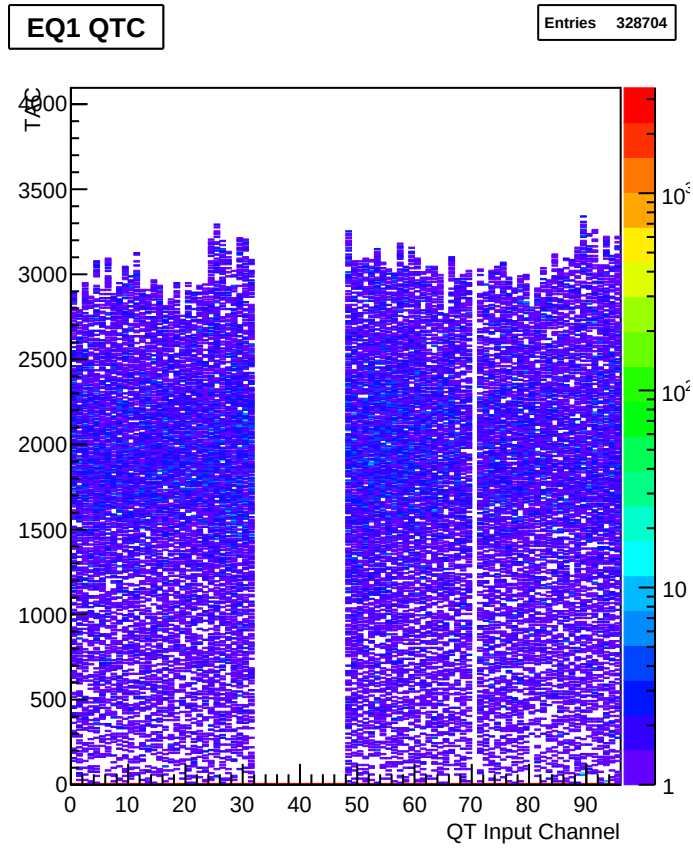

BBQ-VP002 West
Entries 54784
ADC
QT Input Channel

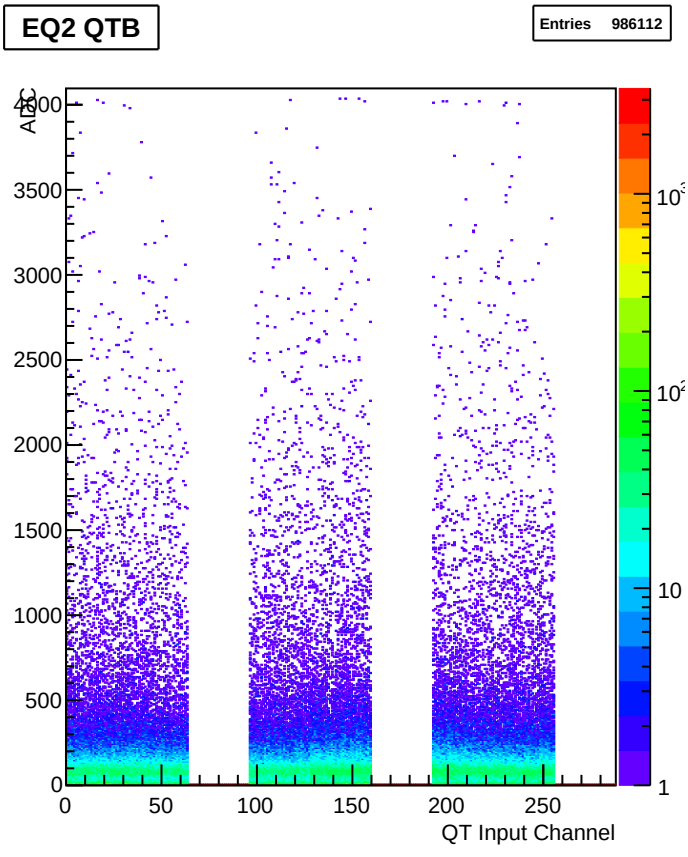

BBQ-VP002 West
Entries 54784
TADC
QT Input Channel

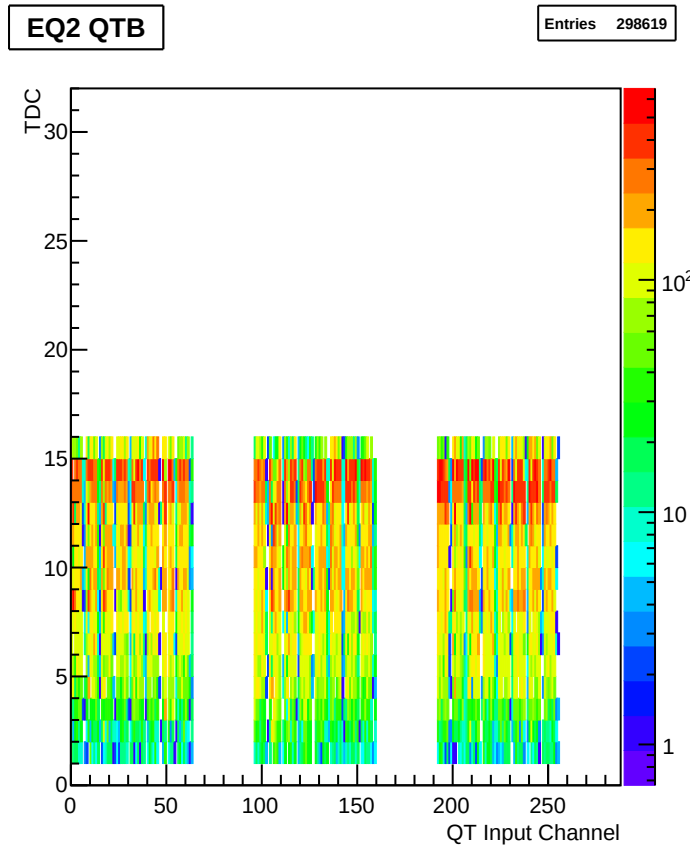

EQ1 QTB
Entries 986112
ADC
QT Input Channel

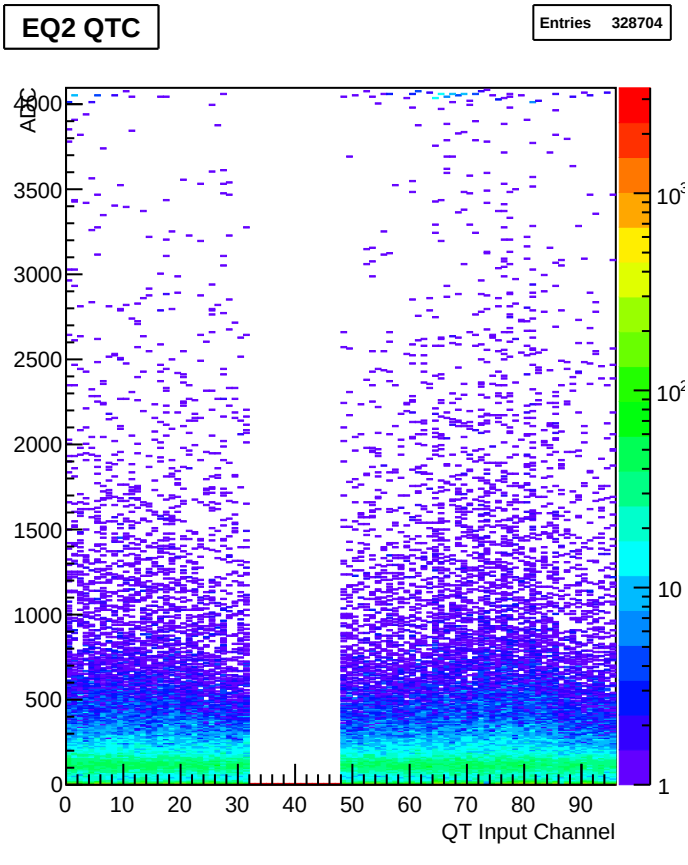

EQ1 QTB
Entries 296846
TDC
QT Input Channel

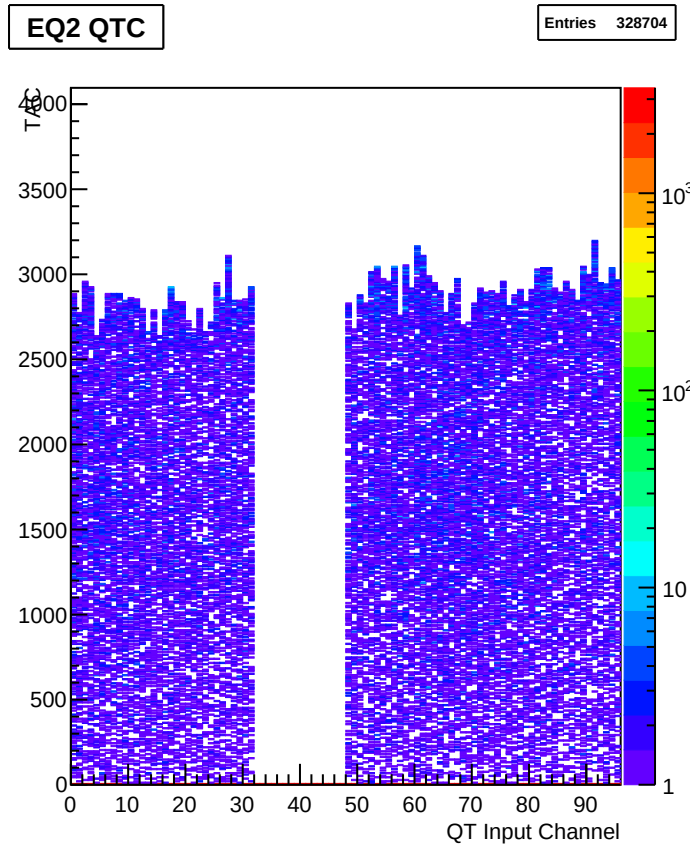

EQ1 QTC
Entries 328704
ADC
QT Input Channel

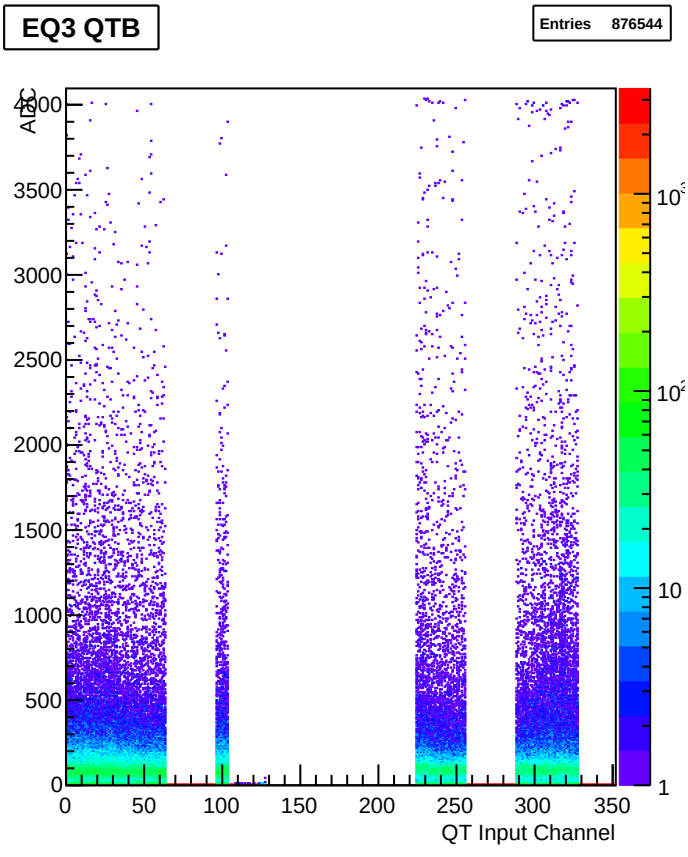

EQ1 QTC
Entries 328704
TADC
QT Input Channel

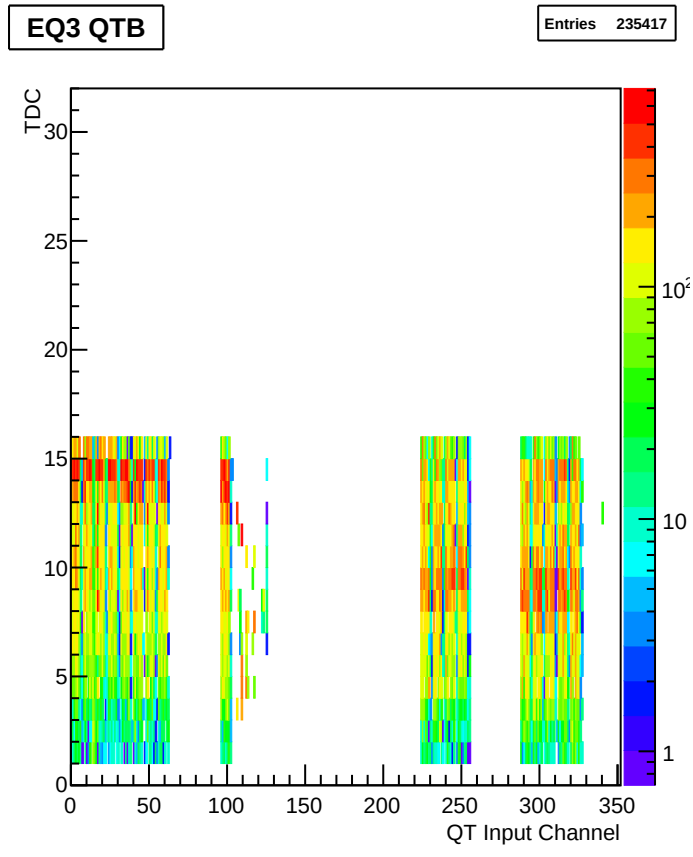

EQ2 QTB
Entries 986112
ADC
QT Input Channel

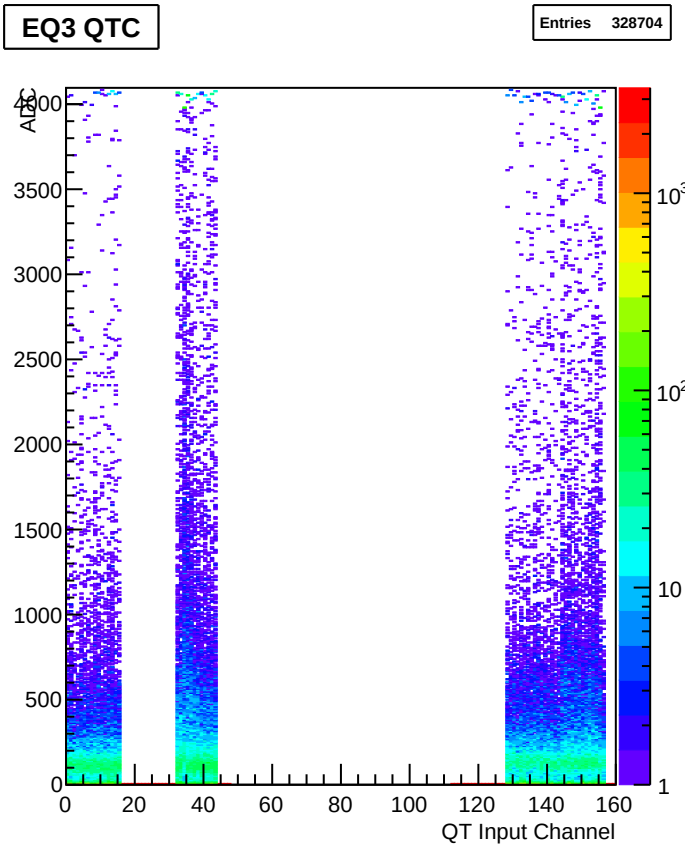

EQ2 QTB
Entries 298619
TDC
QT Input Channel

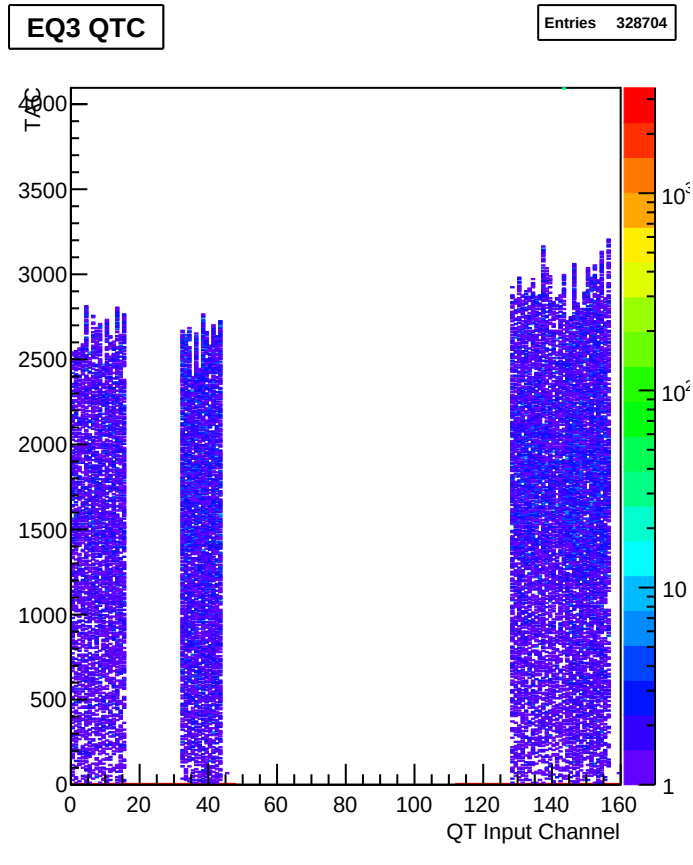

EQ2 QTC
Entries 328704
ADC
QT Input Channel

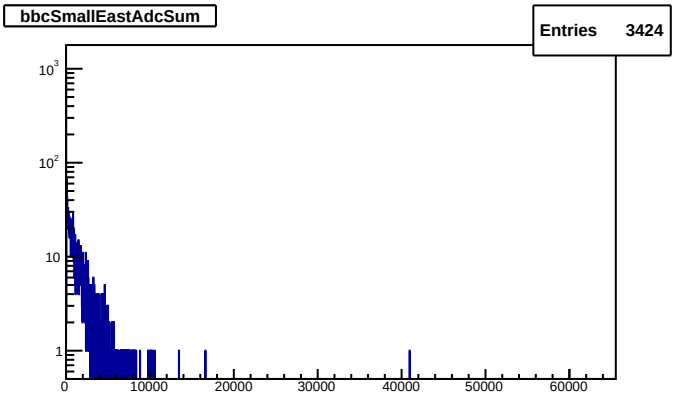

EQ2 QTC
Entries 328704
TADC
QT Input Channel

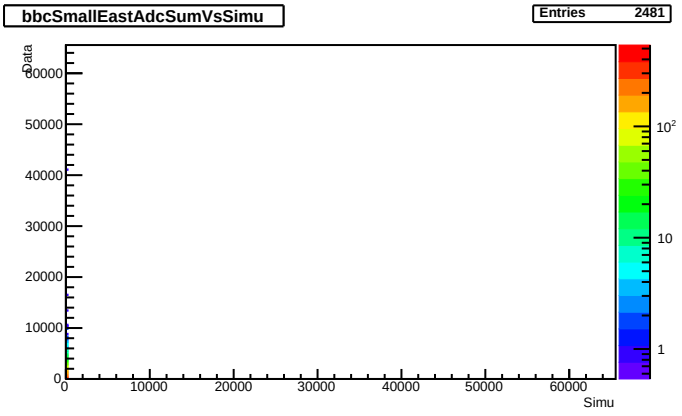

EQ3 QTB
Entries 876544
ADC
QT Input Channel

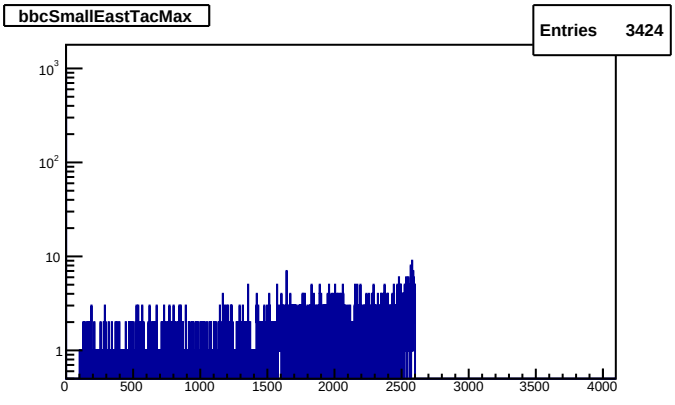

EQ3 QTB
Entries 235417
TDC
QT Input Channel

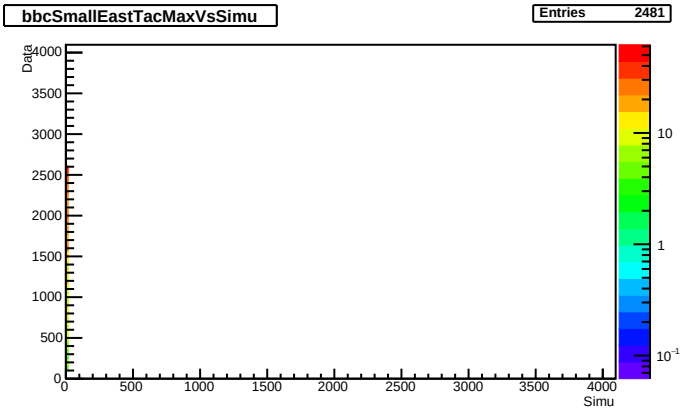

EQ3 QTC
Entries 328704
ADC
QT Input Channel

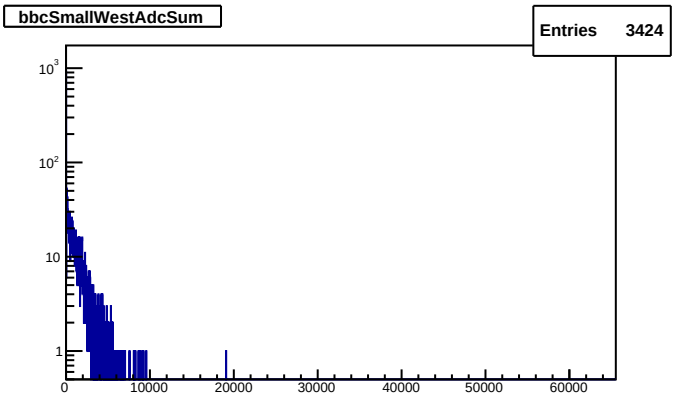

EQ3 QTC
Entries 328704
TADC
QT Input Channel

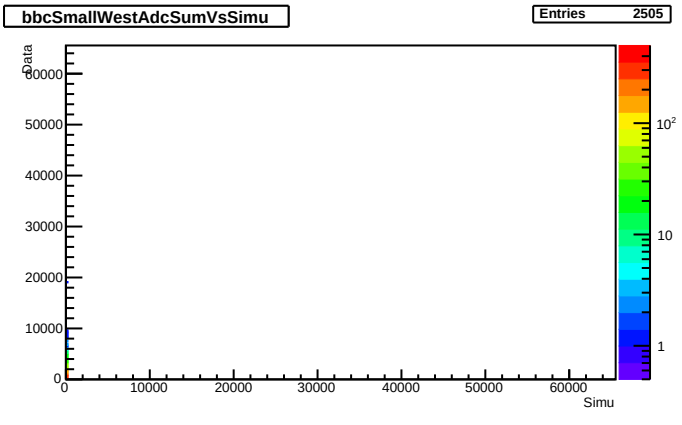

bbcSmallEastAdcSum
Entries 3424

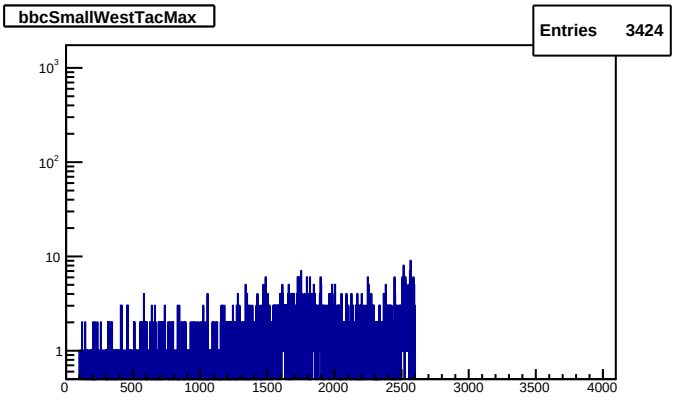

bbcSmallEastAdcSumVsSimu
Entries 2481
Data
Simu

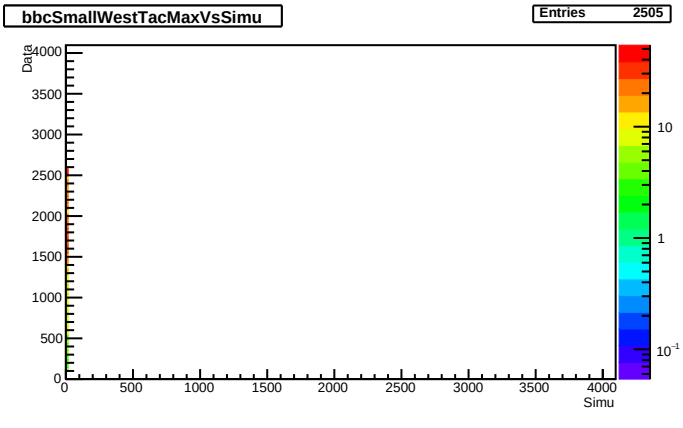

bbcSmallEastTacMax
Entries 3424

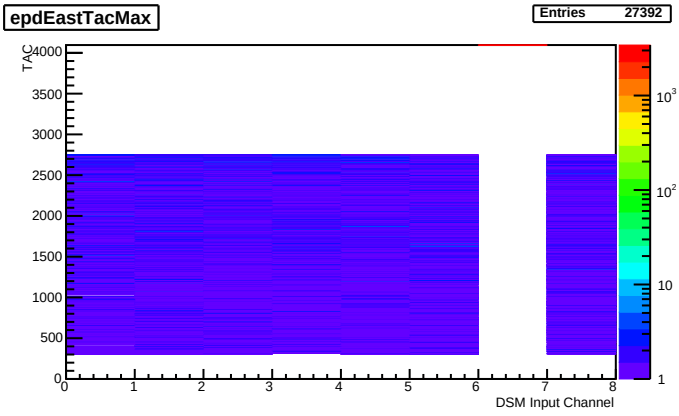

bbcSmallEastTacMaxVsSimu
Entries 2481
Data
Simu

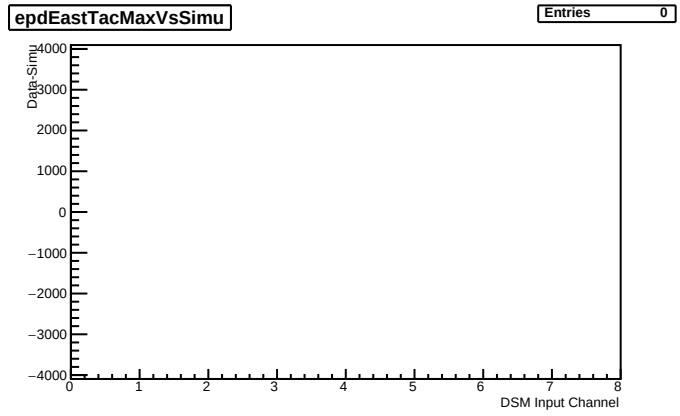

bbcSmallWestAdcSum
Entries 3424

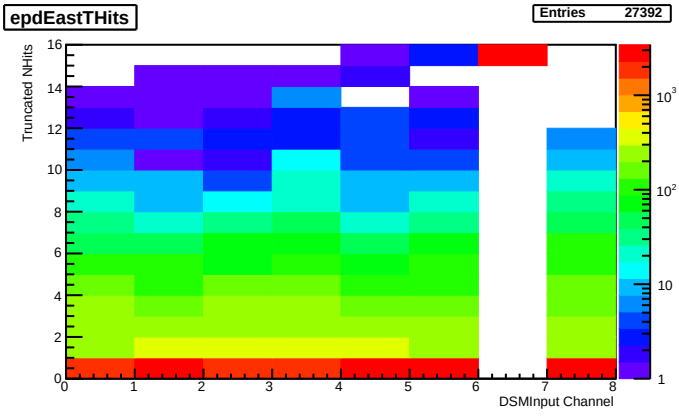

bbcSmallWestAdcSumVsSimu
Entries 2505
Data
Simu

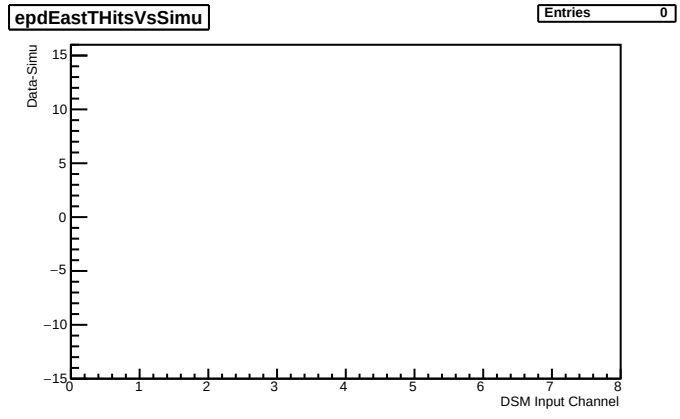

bbcSmallWestTacMax
Entries 3424

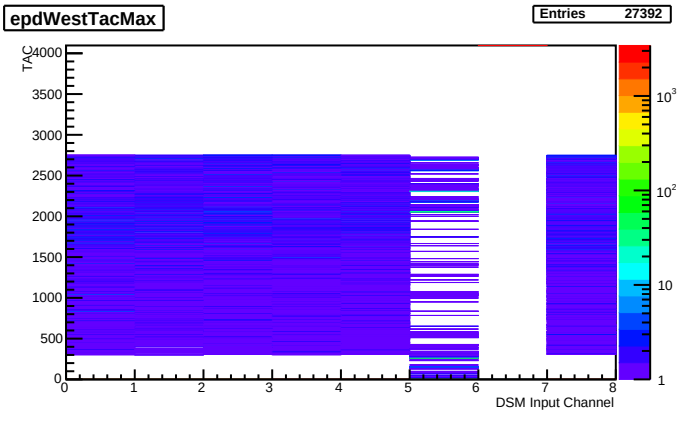

bbcSmallWestTacMaxVsSimu
Entries 2505
Data
Simu

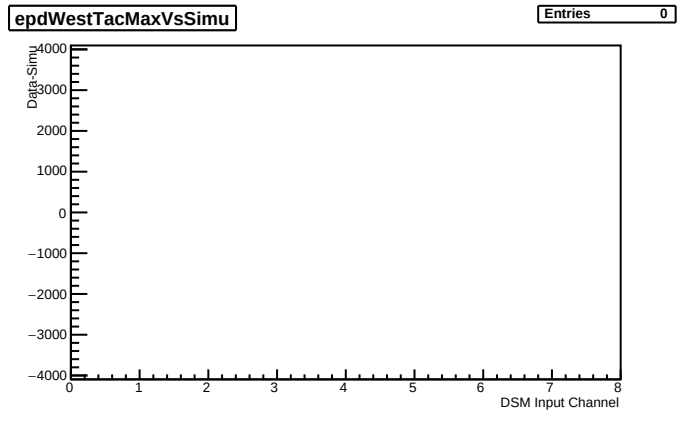

epdEastTacMax
Entries 27392
TAC
DSM Input Channel

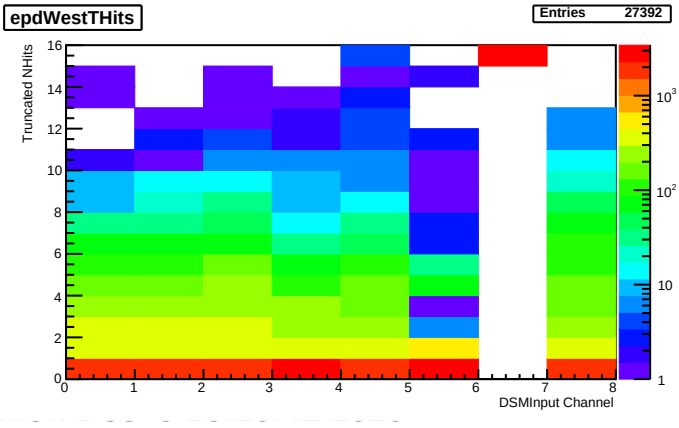

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

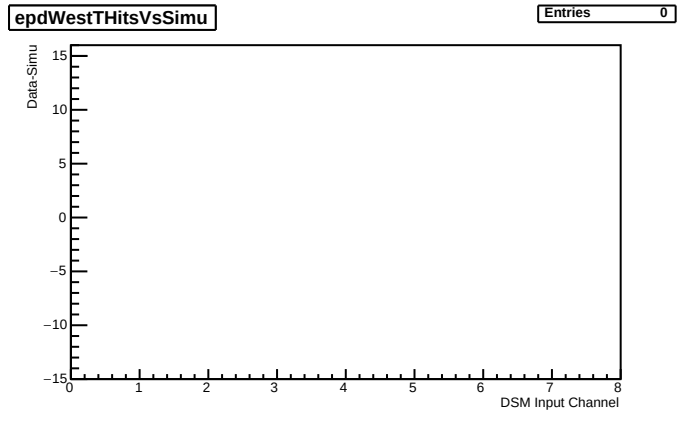

epdEastTHits
Entries 27392
Truncated NHits
DSMInput Channel

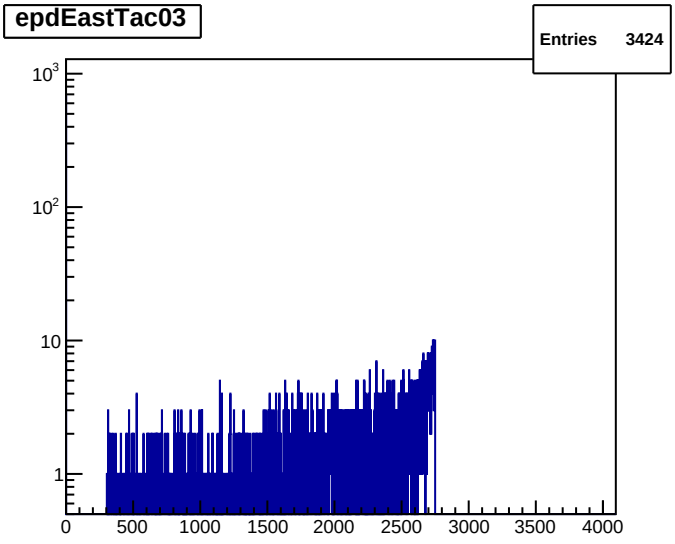

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

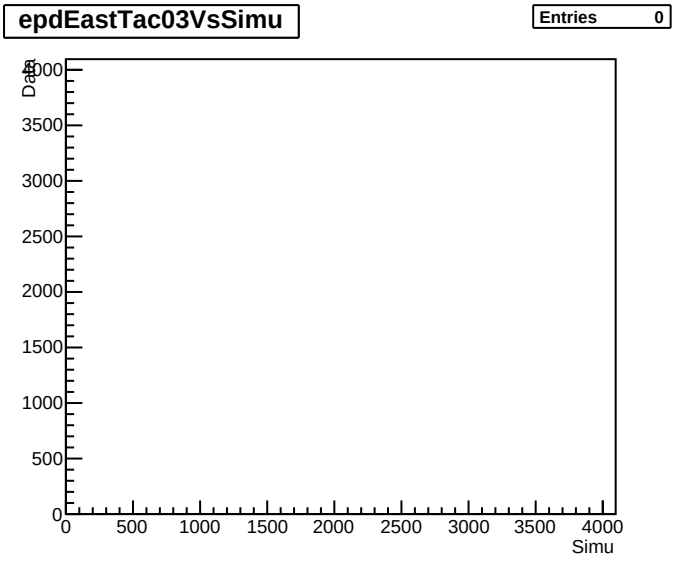

epdWestTacMax
Entries 27392
TAC
DSM Input Channel

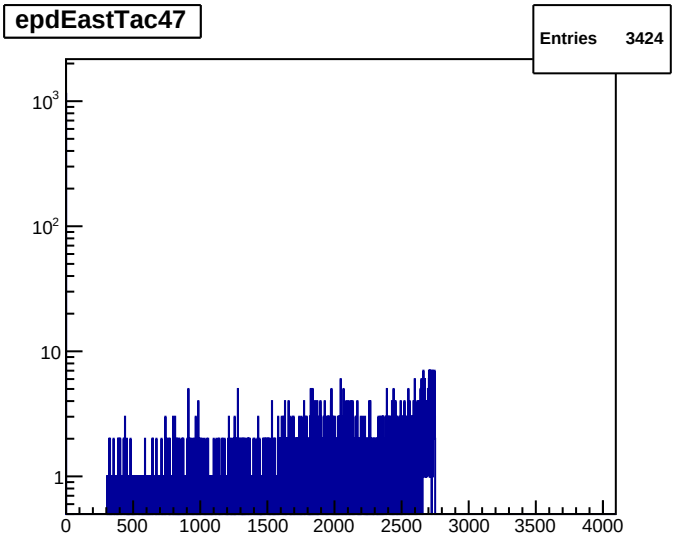

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

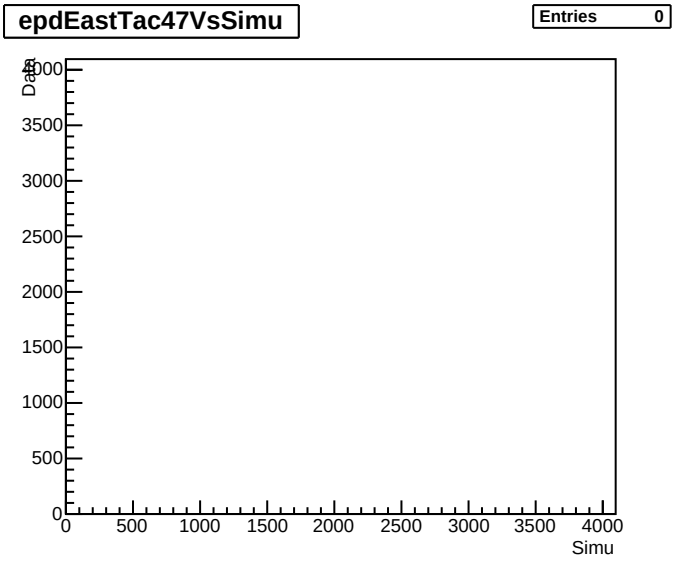

epdWestTHits
Entries 27392
Truncated NHits
DSMInput Channel

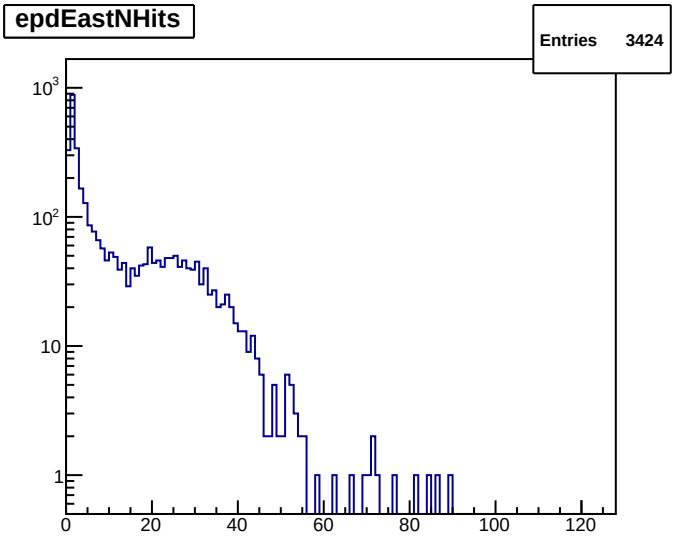

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

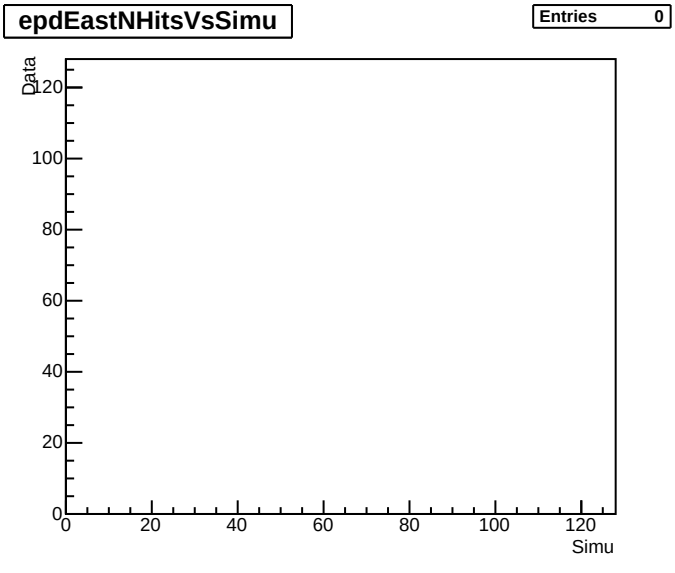

epdEastTac03
Entries 3424
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

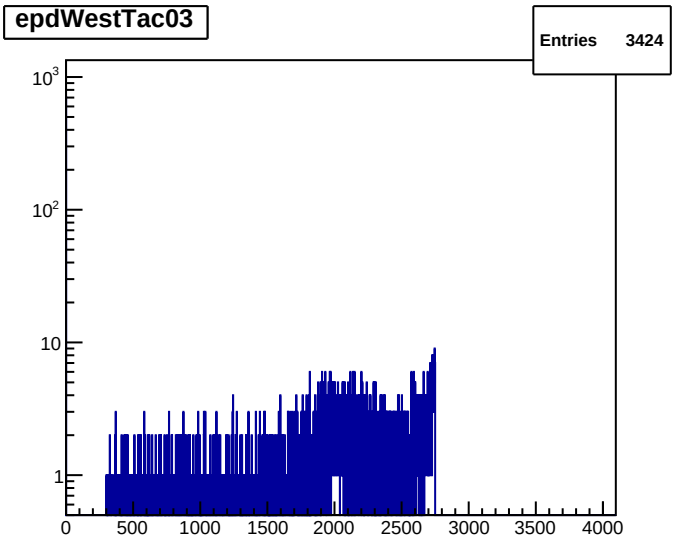

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

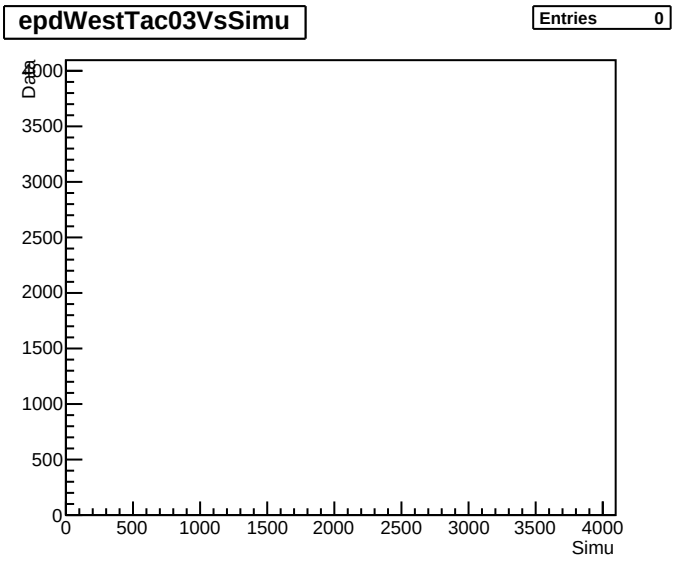

epdEastTac47
Entries 3424
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

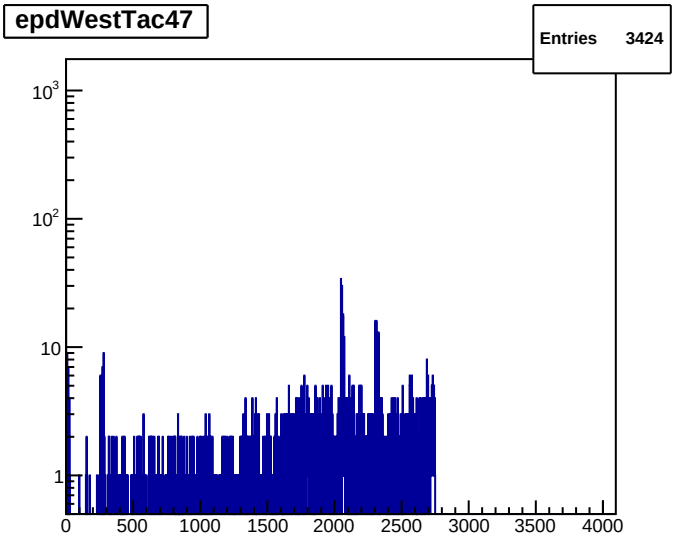

epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

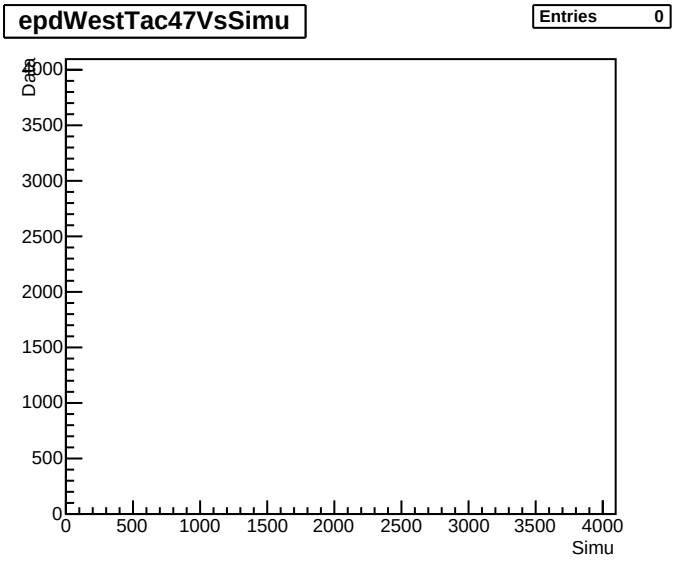

epdEastNHits
Entries 3424
10^3
10^2
10
1
0 20 40 60 80 100 120

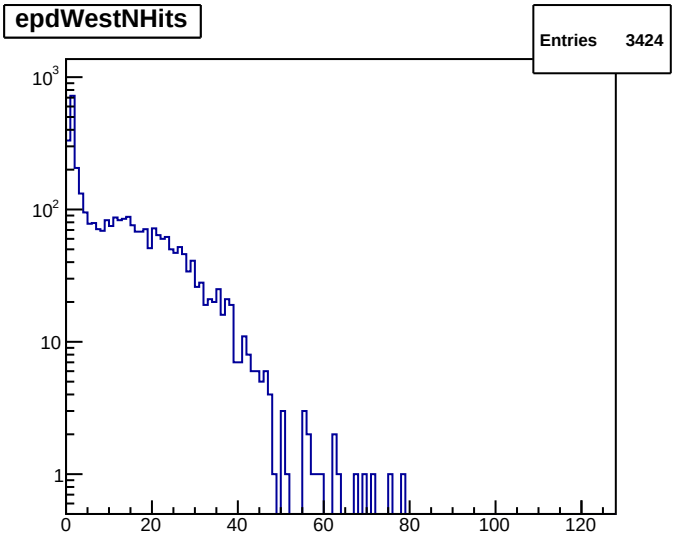

epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

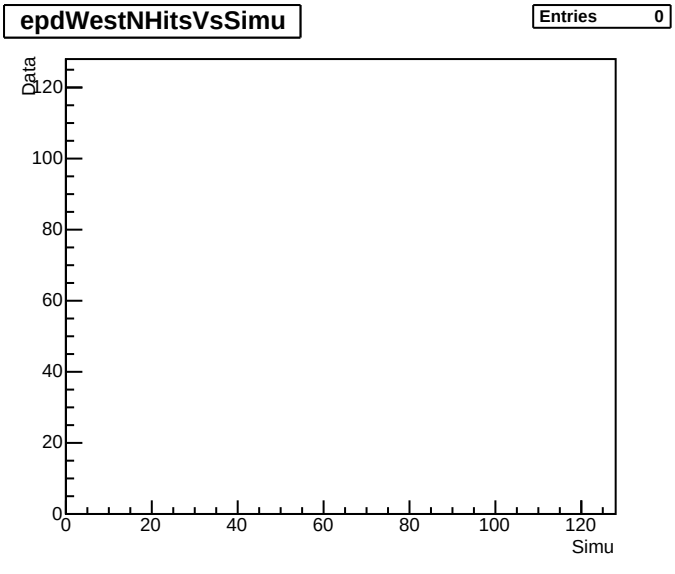

epdWestTac03
Entries 3424

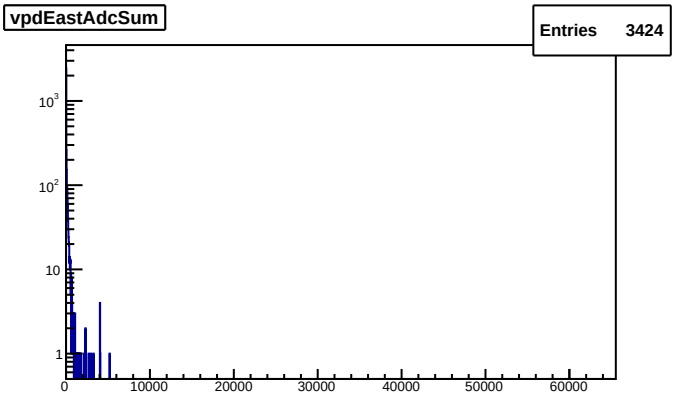

epdWestTac03VsSimu
Entries 0
Data
Simu

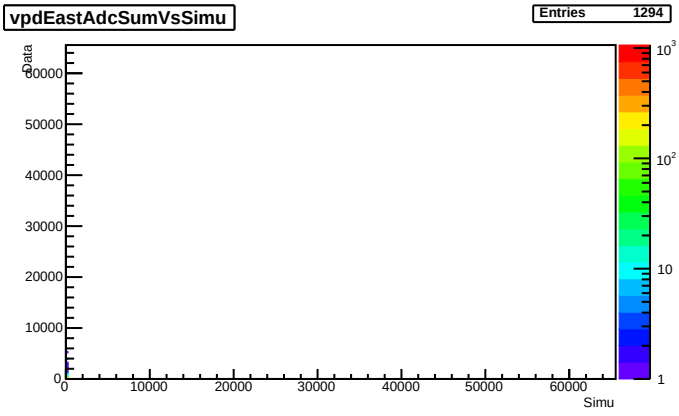

epdWestTac47
Entries 3424

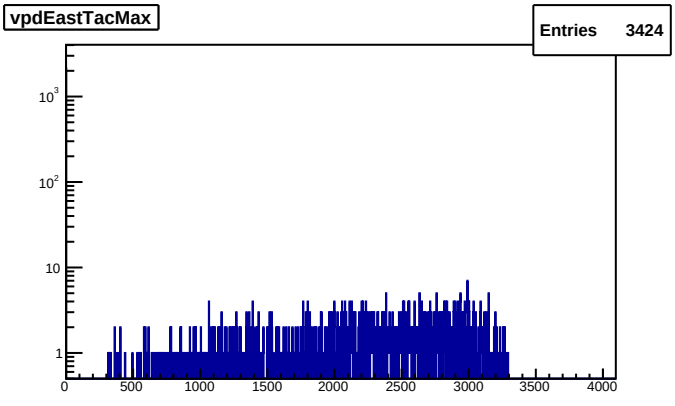

epdWestTac47VsSimu
Entries 0
Data
Simu

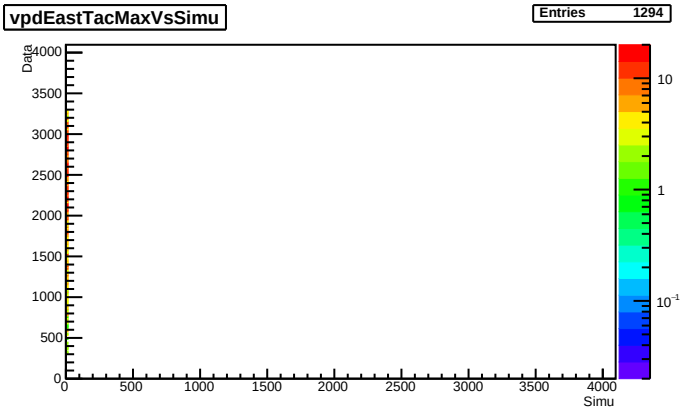

epdWestNHits
Entries 3424

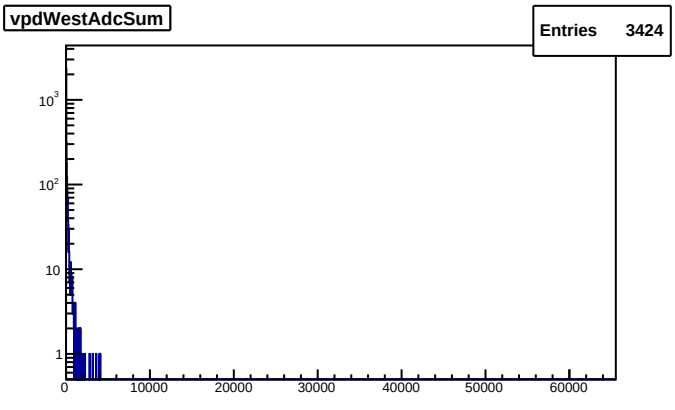

epdWestNHitsVsSimu
Entries 0
Data
Simu

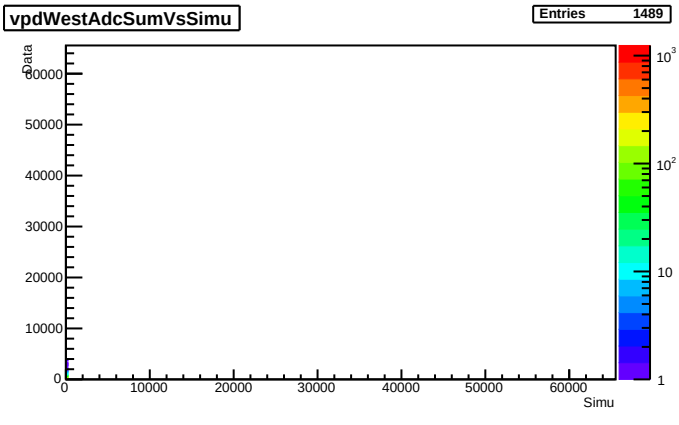

vpdEastAdcSum
Entries 3424

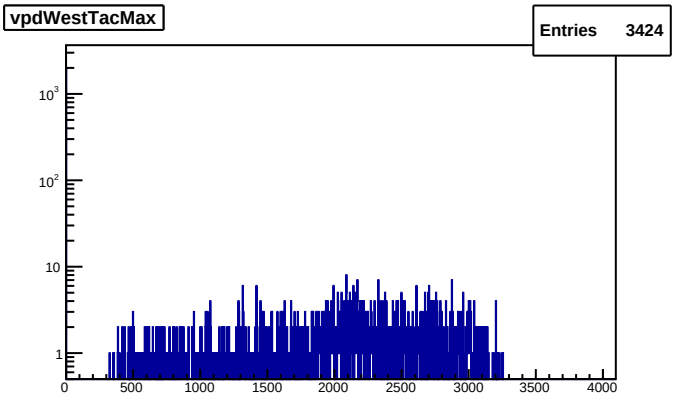

vpdEastAdcSumVsSimu
Entries 1294
Data
Simu

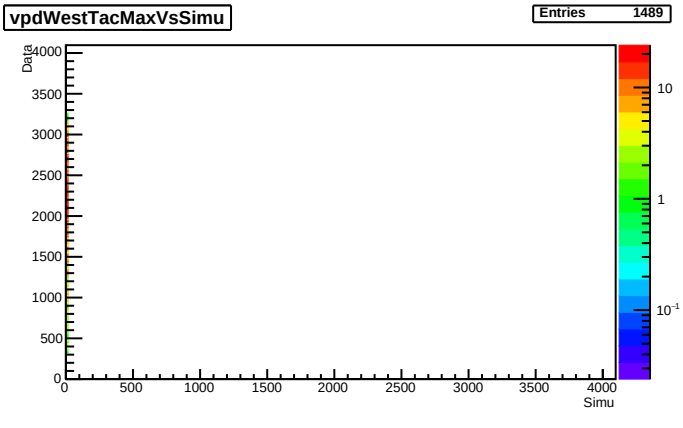

vpdEastTacMax
Entries 3424

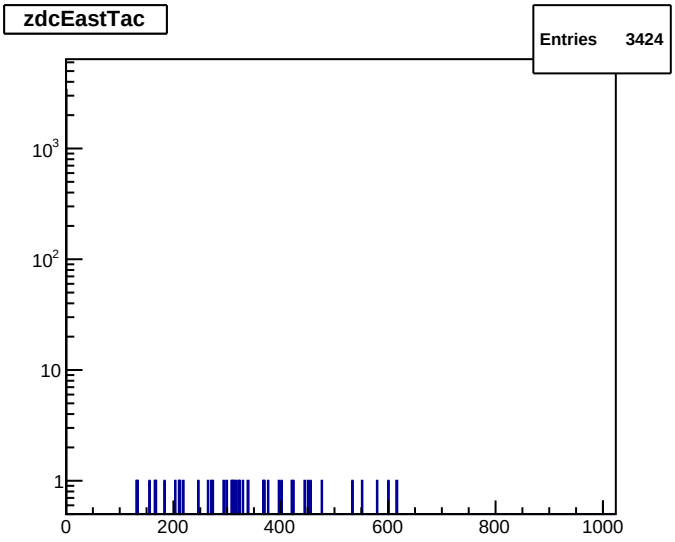

vpdEastTacMaxVsSimu
Entries 1294
Data
Simu

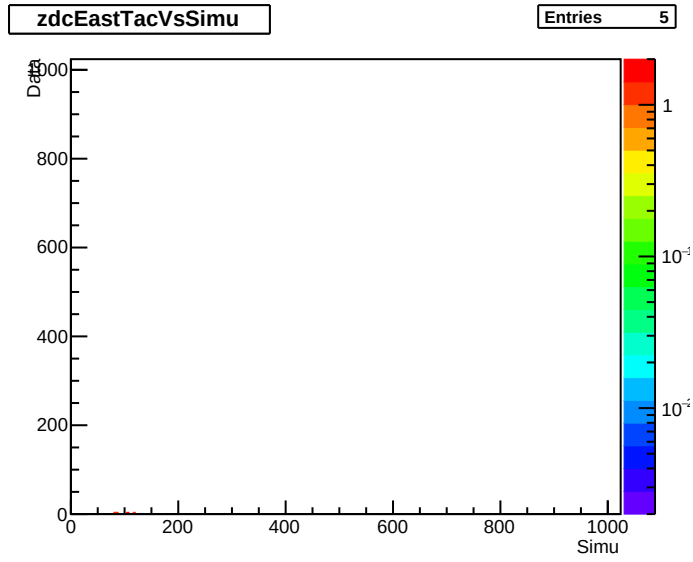

vpdWestAdcSum
Entries 3424

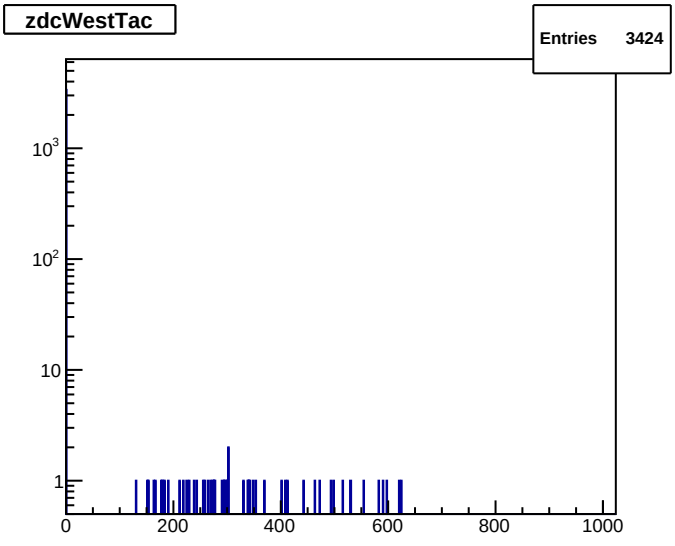

vpdWestAdcSumVsSimu
Entries 1489
Data
Simu

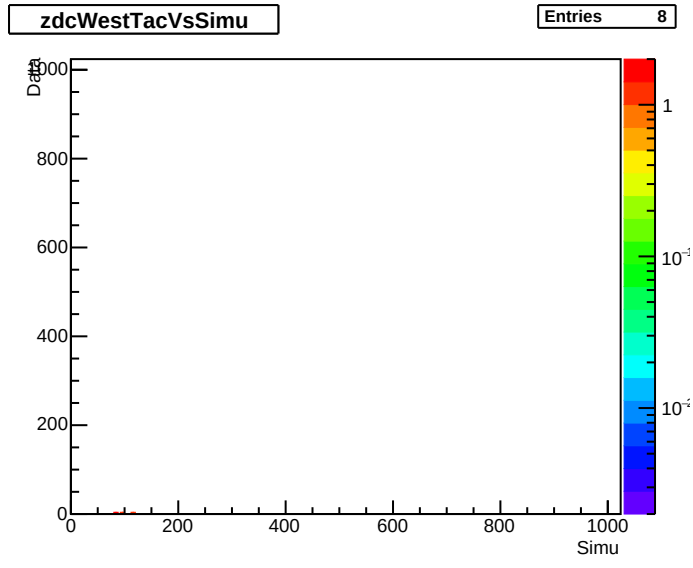

vpdWestTacMax
Entries 3424

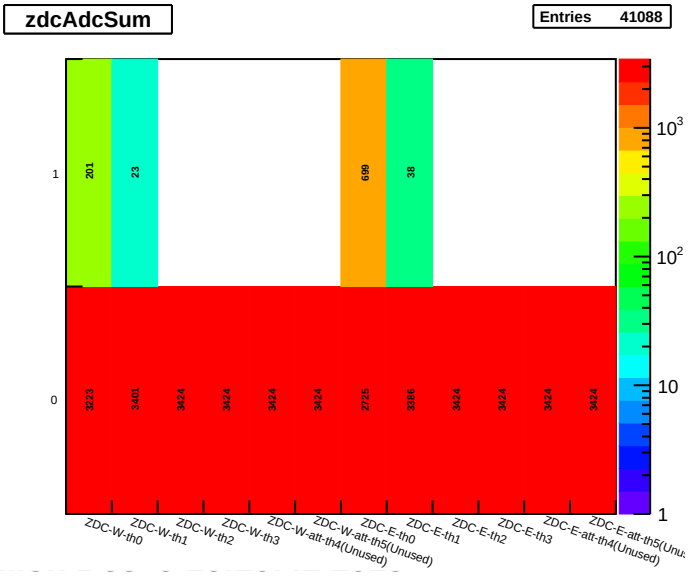

vpdWestTacMaxVsSimu
Entries 1489
Data
Simu

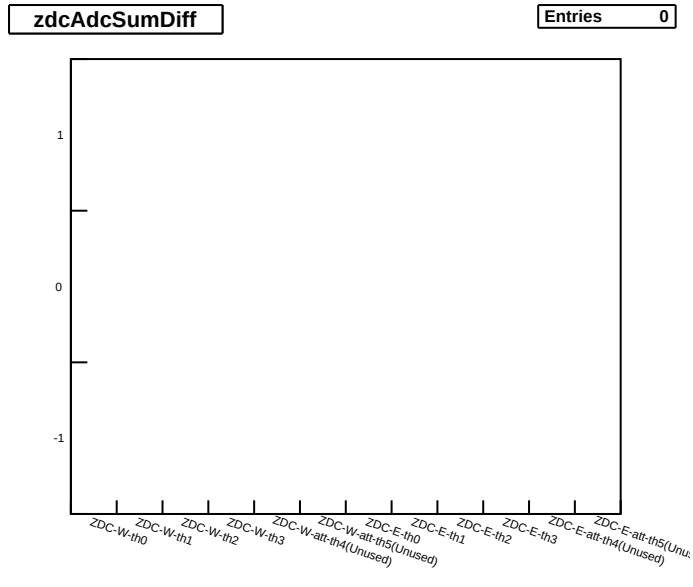

zdcEastTac
Entries 3424
10^3
10^2
10
1
0
200
400
600
800
1000

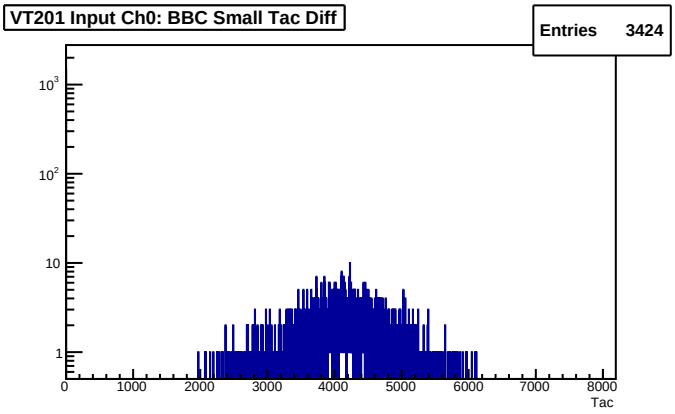

zdcEastTacVsSimu
Entries 5
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

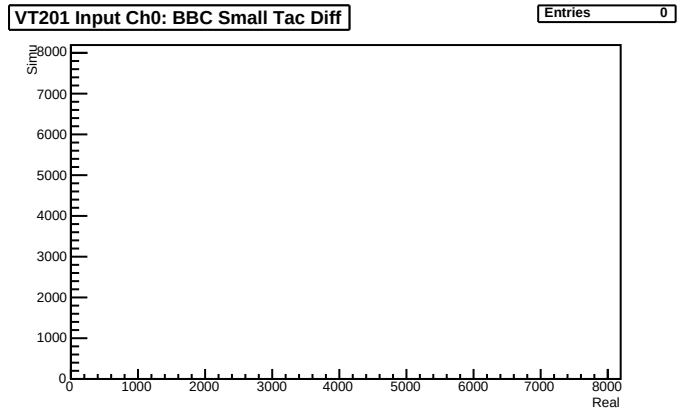

zdcWestTac
Entries 3424
10^3
10^2
10
1
0
200
400
600
800
1000

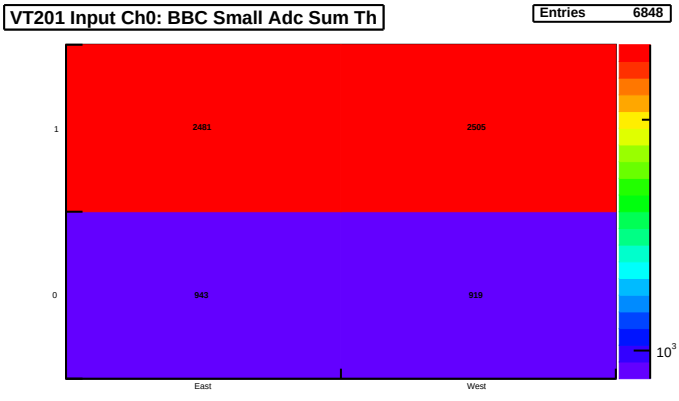

zdcWestTacVsSimu
Entries 8
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

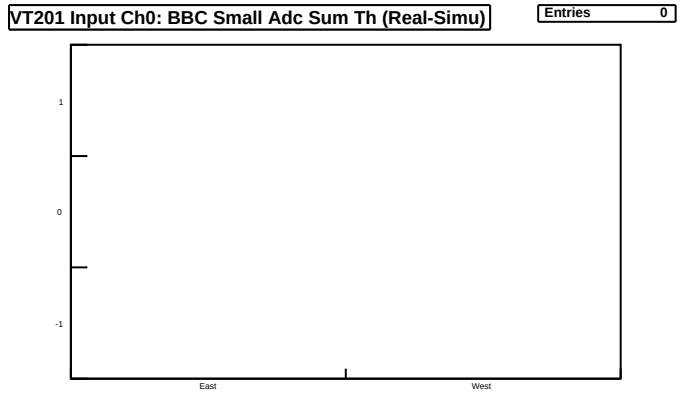

zdcAdcSum
Entries 41088
1
0
201
23
699
38
3223
3401
3424
3424
3424
3424
2725
3386
3424
3424
3424
3424
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

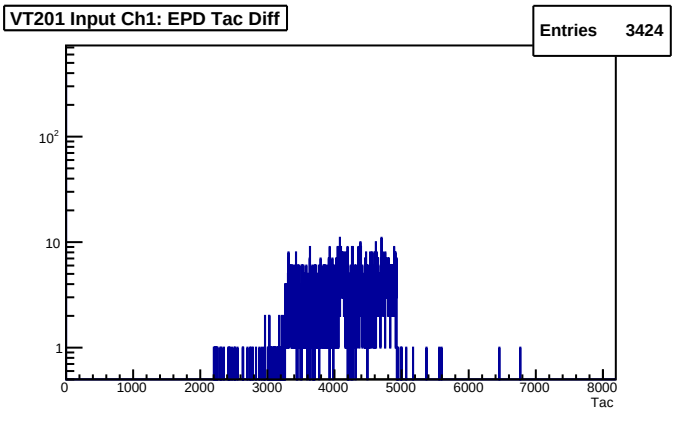

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

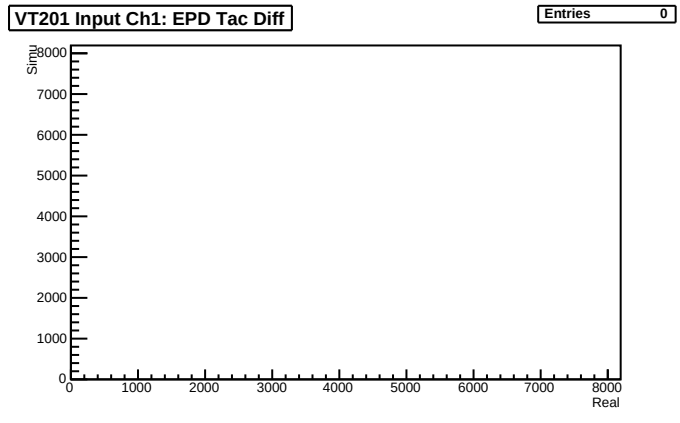

VT201 Input Ch0: BBC Small Tac Diff
Entries 3424
Tac

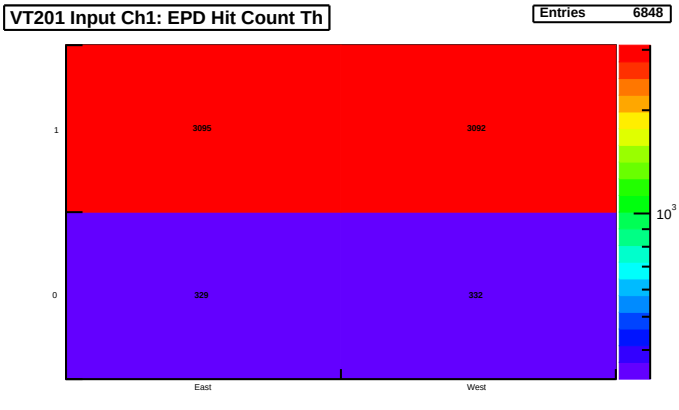

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

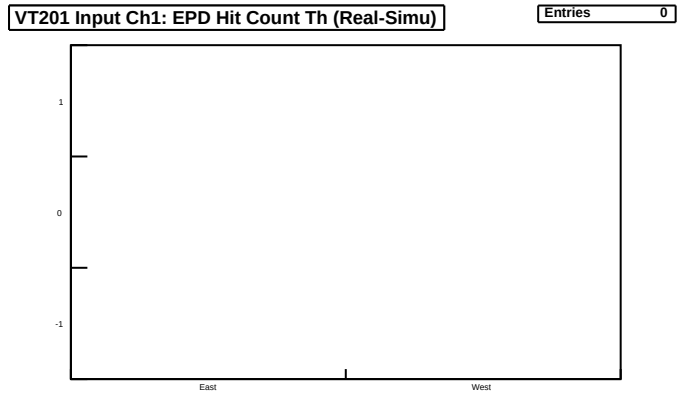

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 6848
2481
2505
943
919
East
West

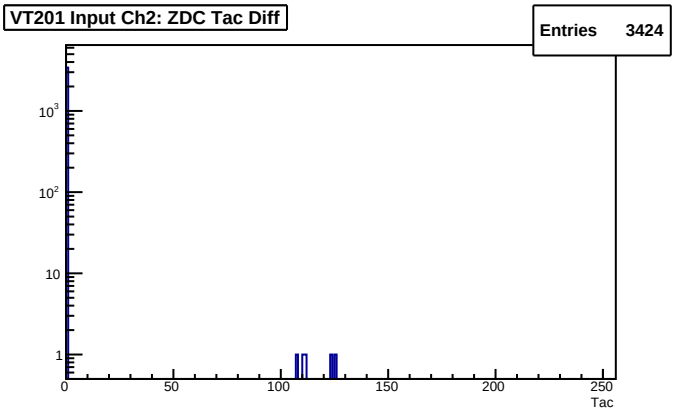

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

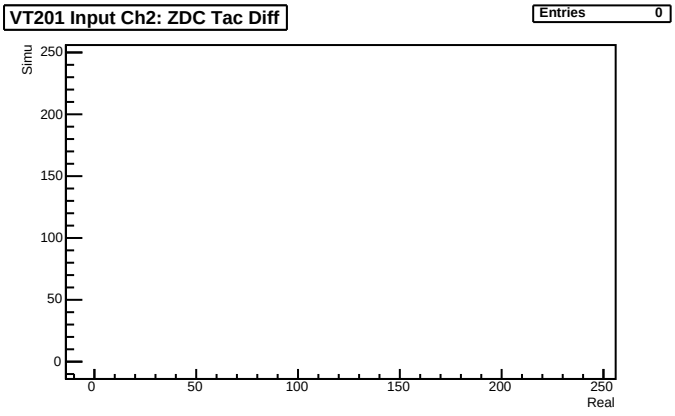

VT201 Input Ch1: EPD Tac Diff
Entries 3424
Tac

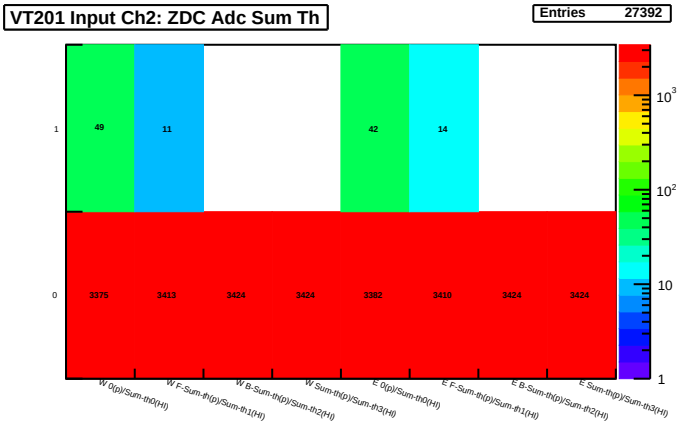

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

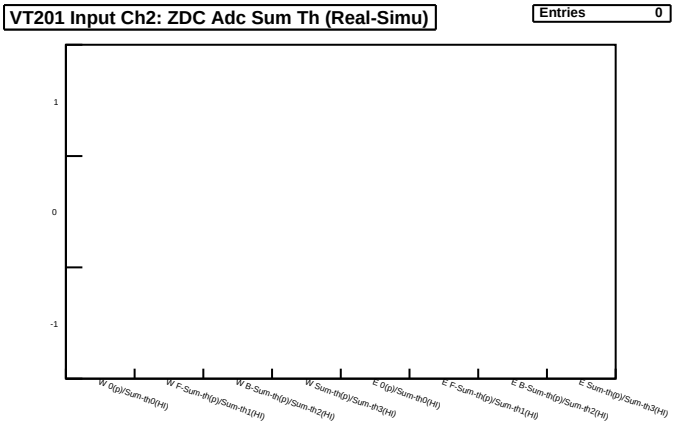

VT201 Input Ch1: EPD Hit Count Th
Entries 6848
3095
3092
329
332
East
West

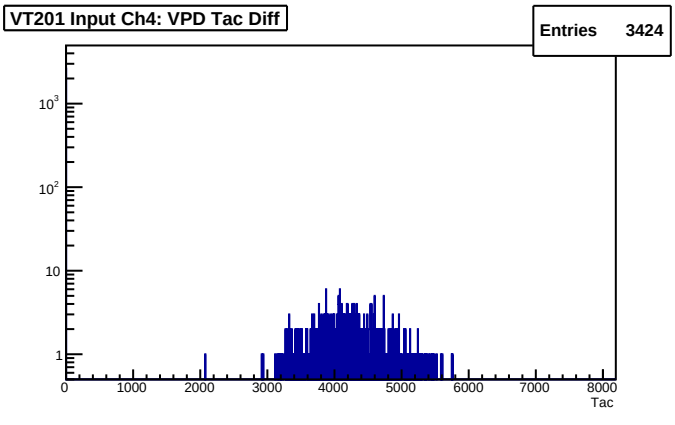

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

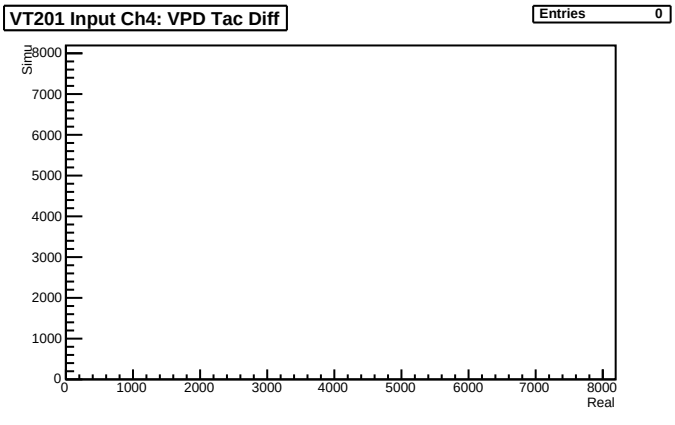

VT201 Input Ch2: ZDC Tac Diff
Entries 3424
Tac

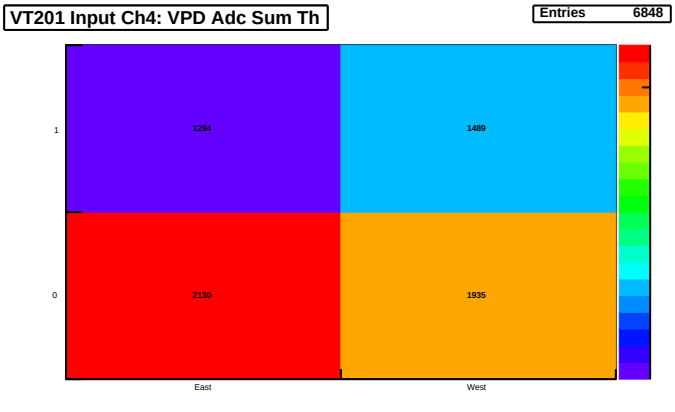

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

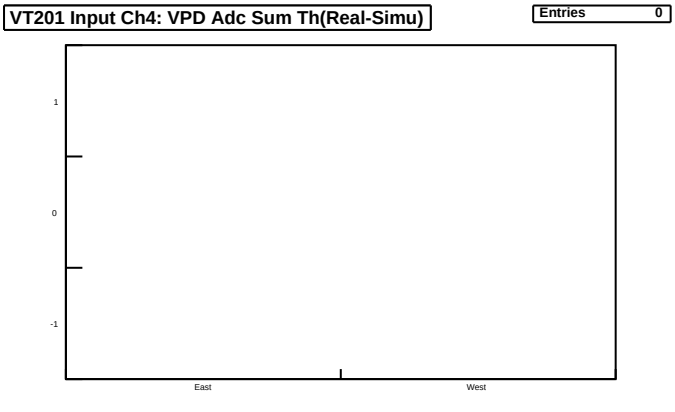

VT201 Input Ch2: ZDC Adc Sum Th
Entries 27392
49
11
42
14
3375
3413
3424
3424
3382
3410
3424
3424
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

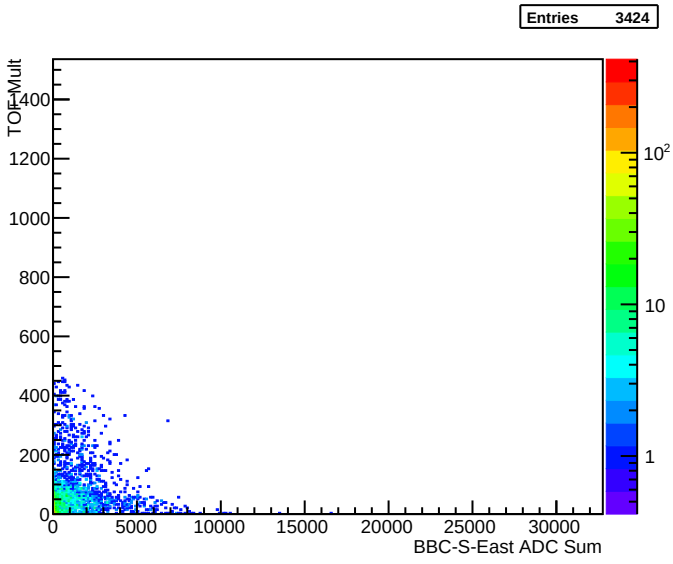

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

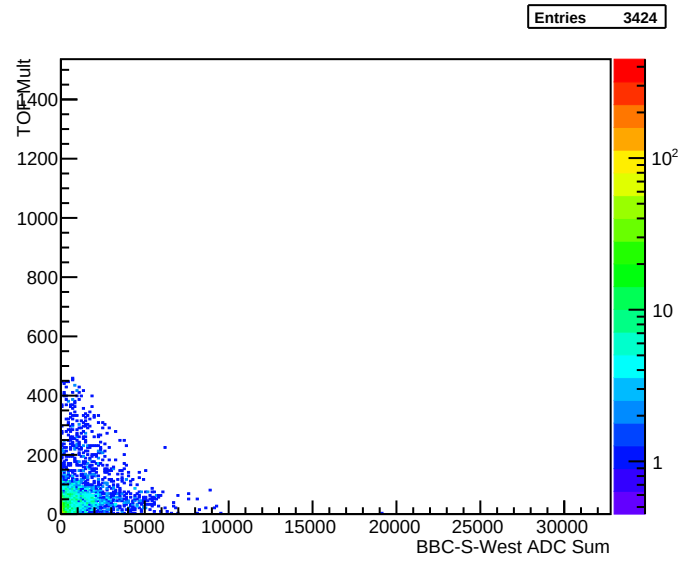

VT201 Input Ch4: VPD Tac Diff
Entries 3424
Tac

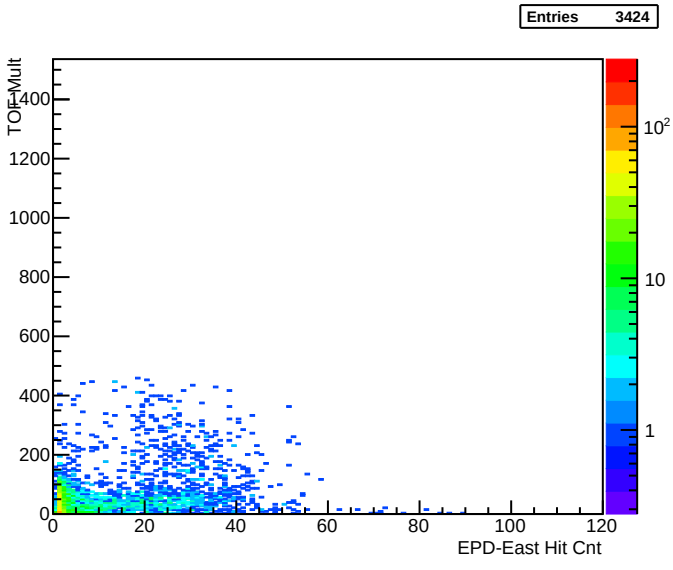

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

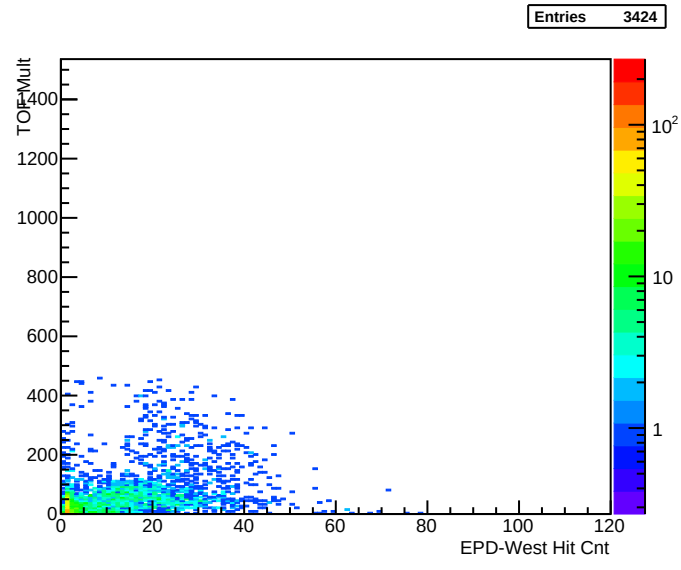

VT201 Input Ch4: VPD Adc Sum Th
Entries 6848
1294
1489
2130
1935
East
West

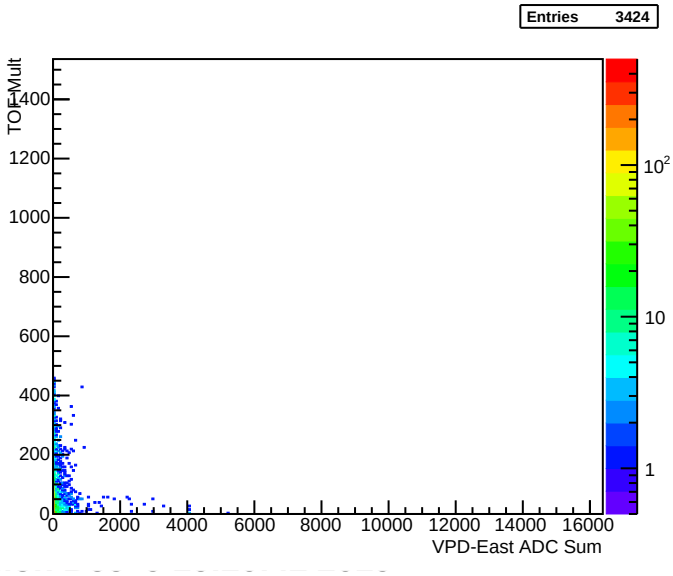

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

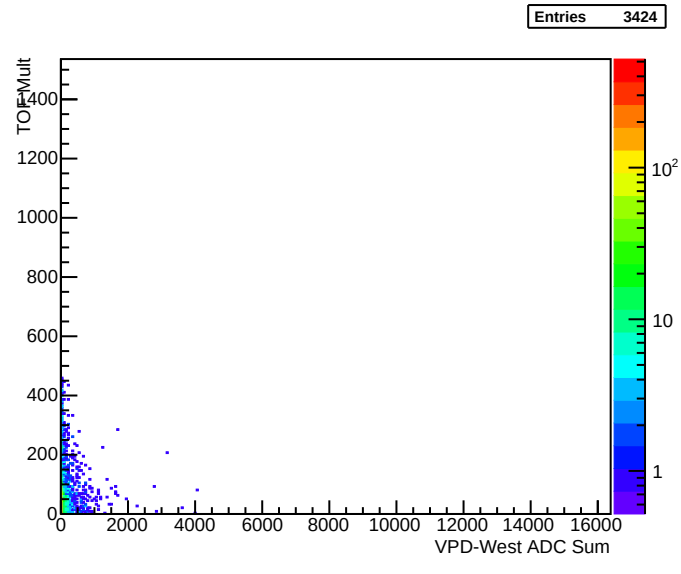

Entries 3424
TOF-Mult
BBC-S-East ADC Sum

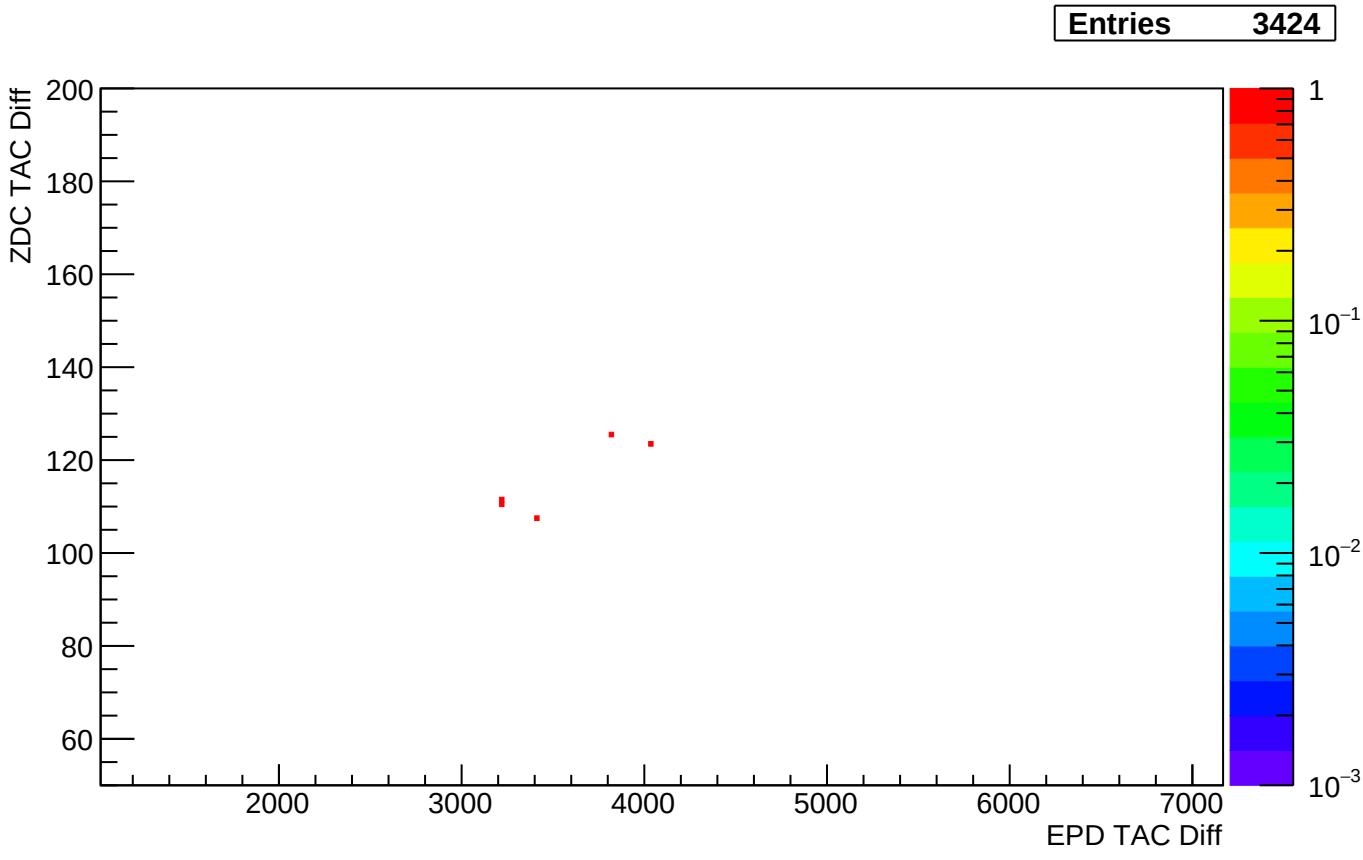

Entries 3424
TOF-Mult
BBC-S-West ADC Sum

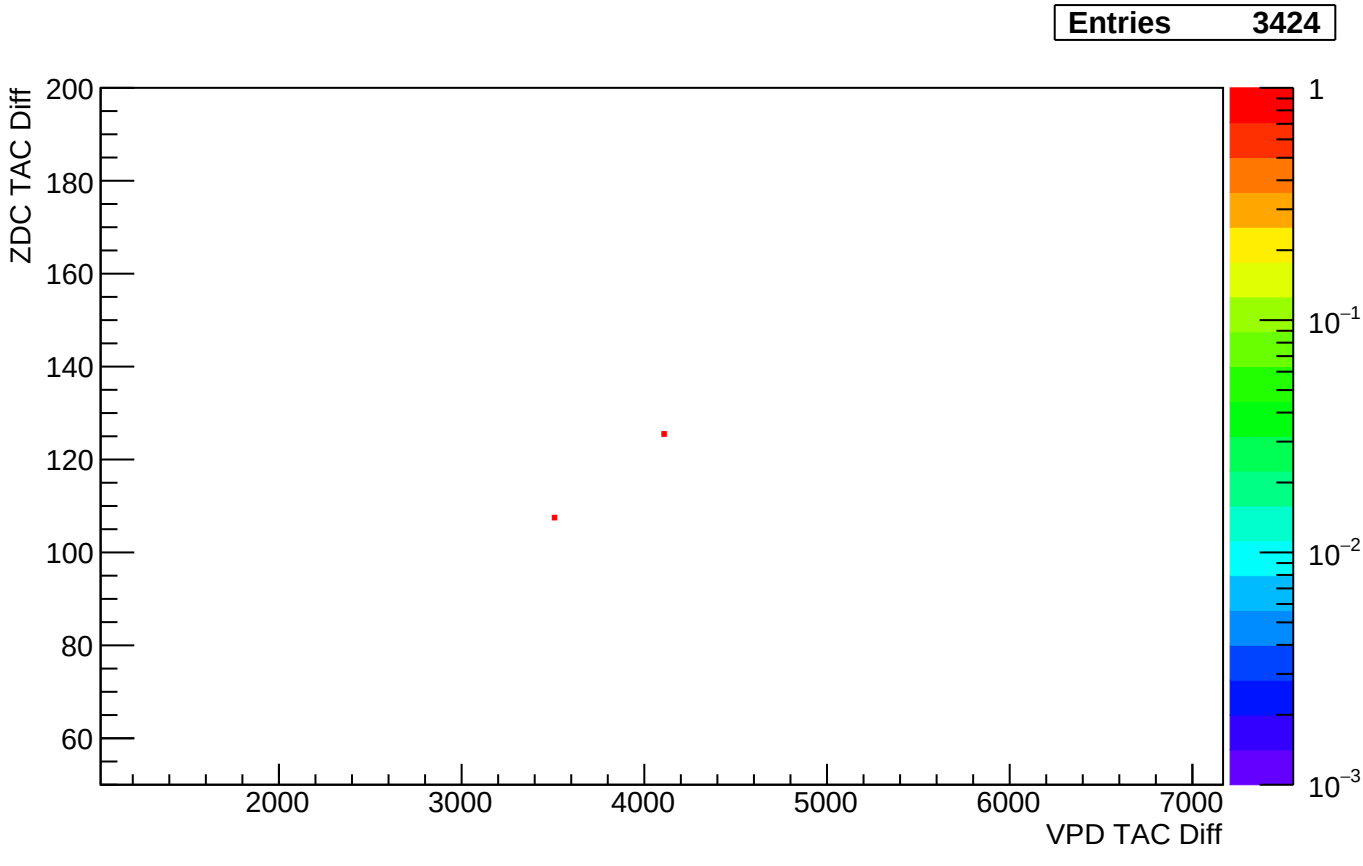

Entries 3424
TOF-Mult
EPD-East Hit Cnt

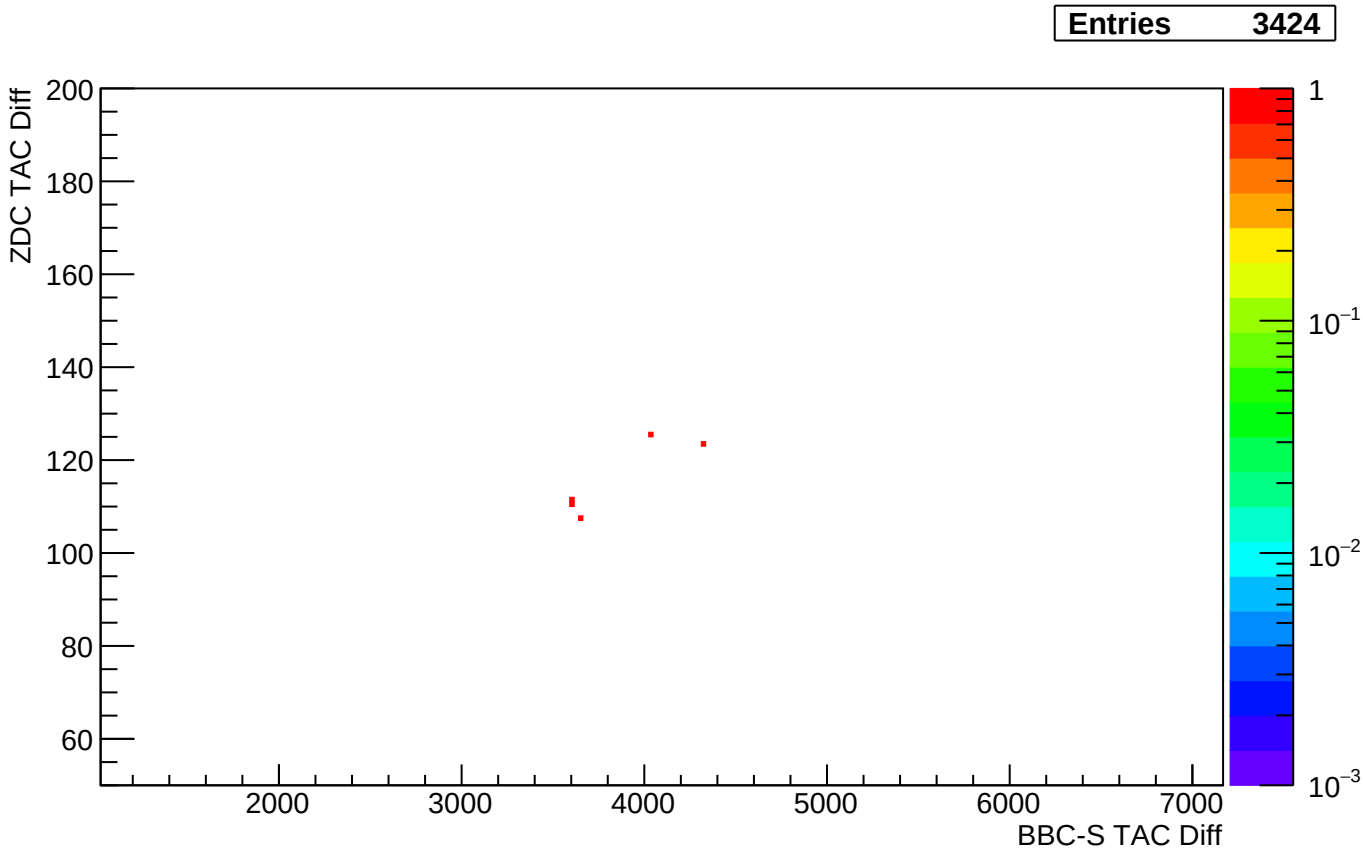

Entries 3424
TOF-Mult
EPD-West Hit Cnt

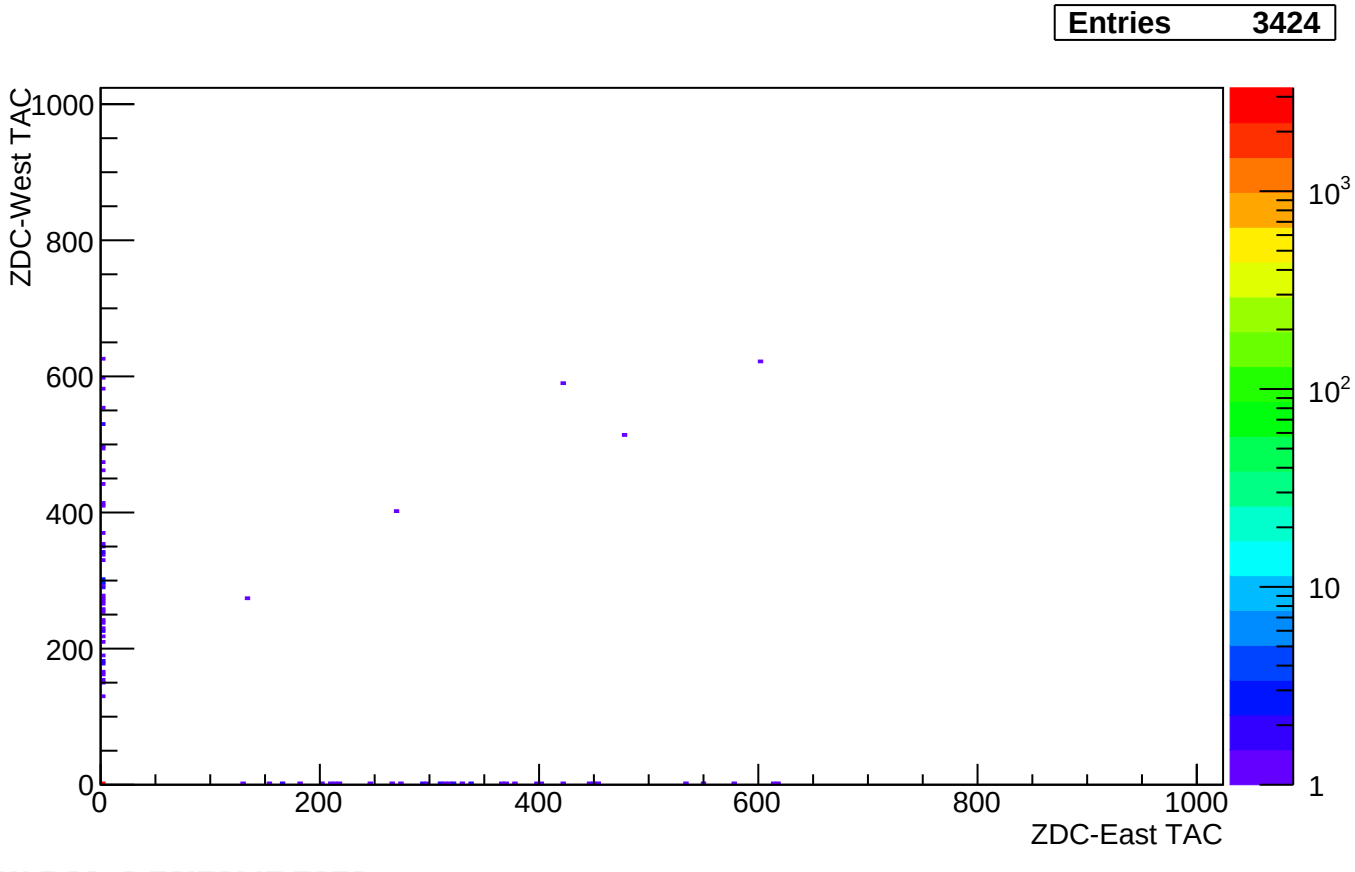

Entries 3424
TOF-Mult
VPD-East ADC Sum

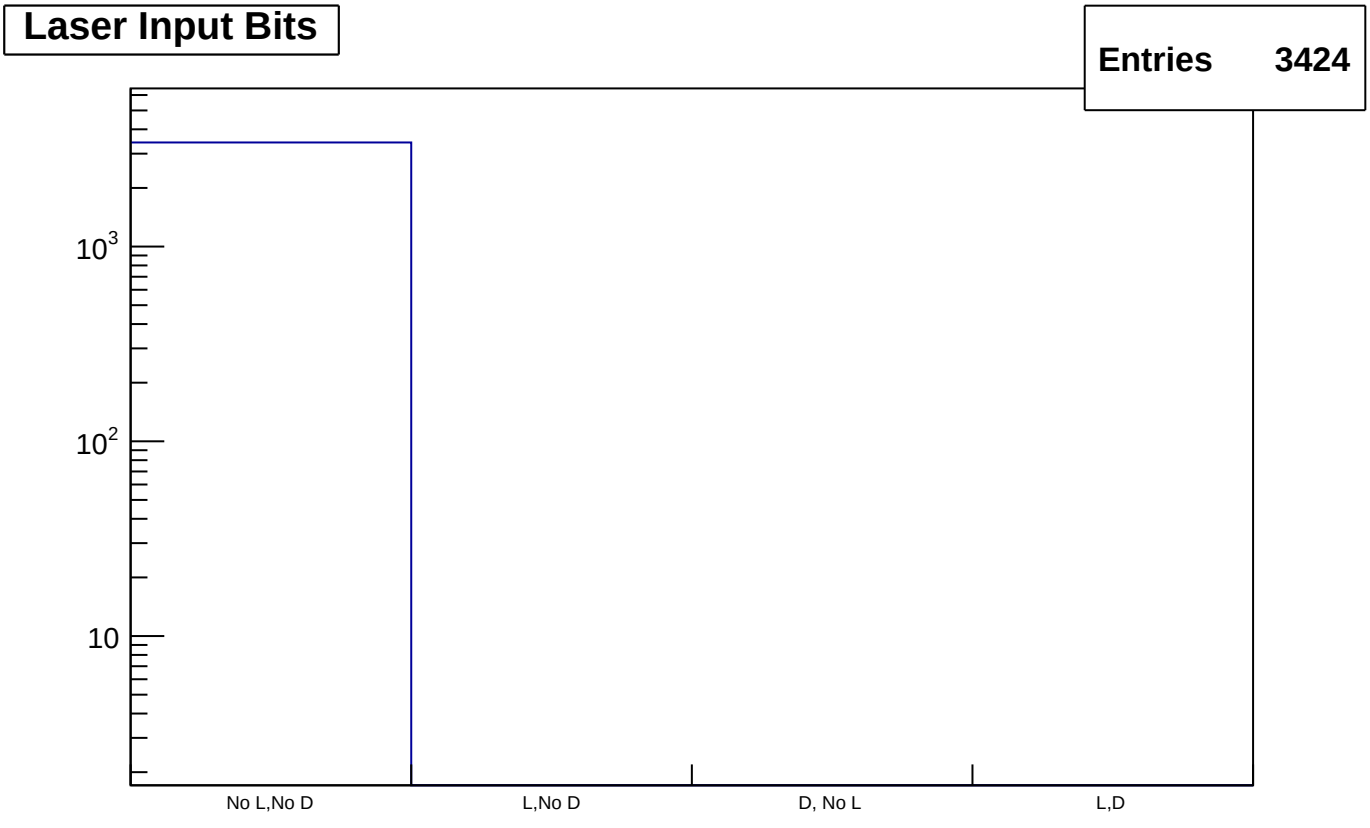

Entries 3424
TOF-Mult
VPD-West ADC Sum

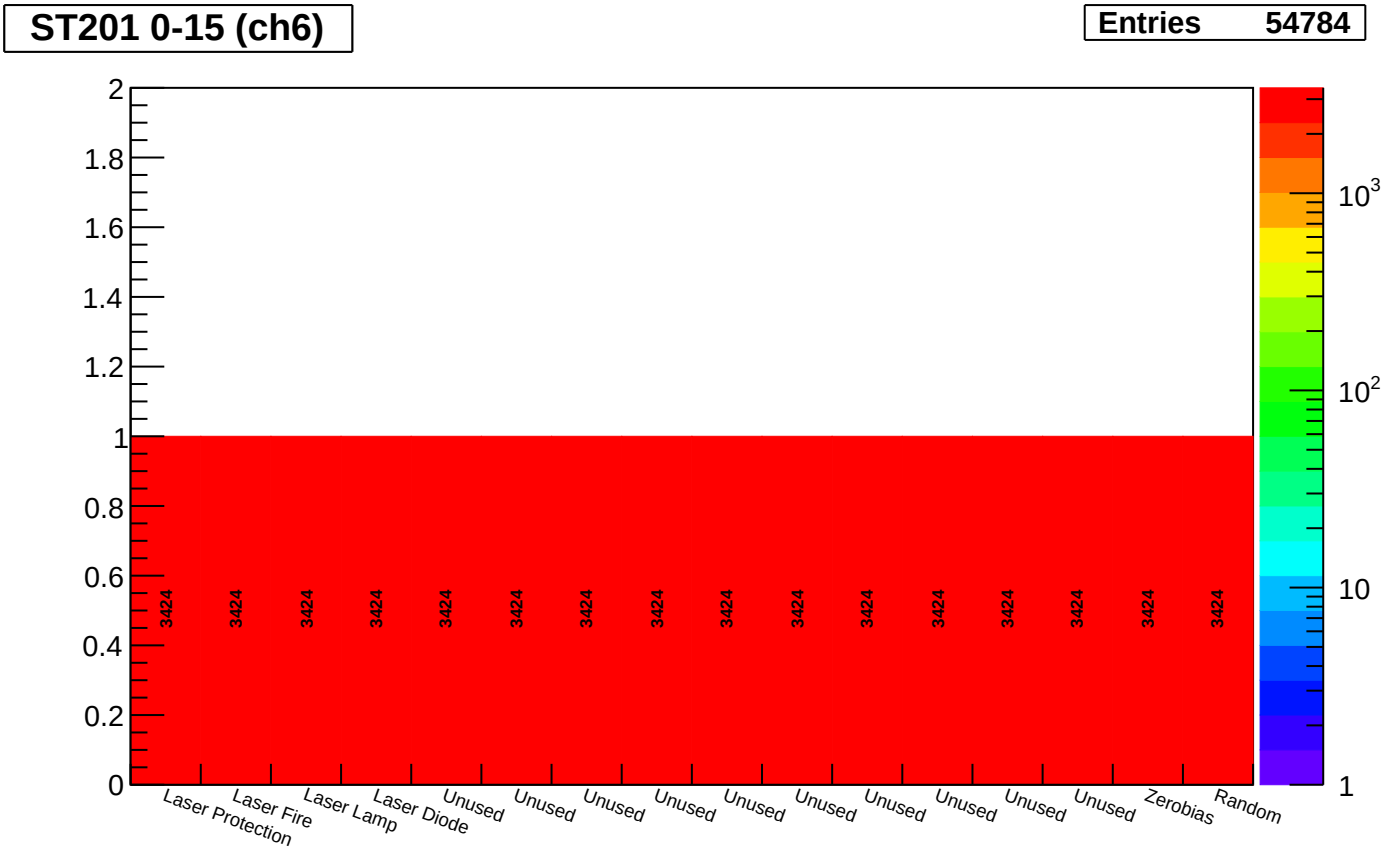

Entries 3424
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

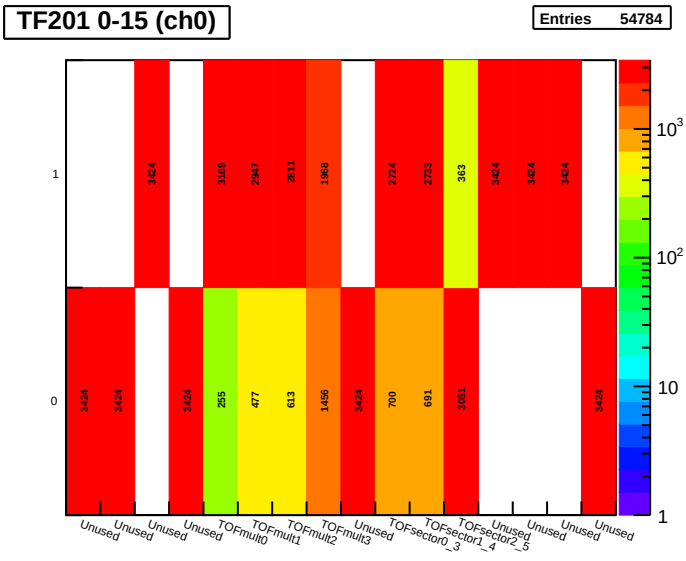

Entries 3424
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

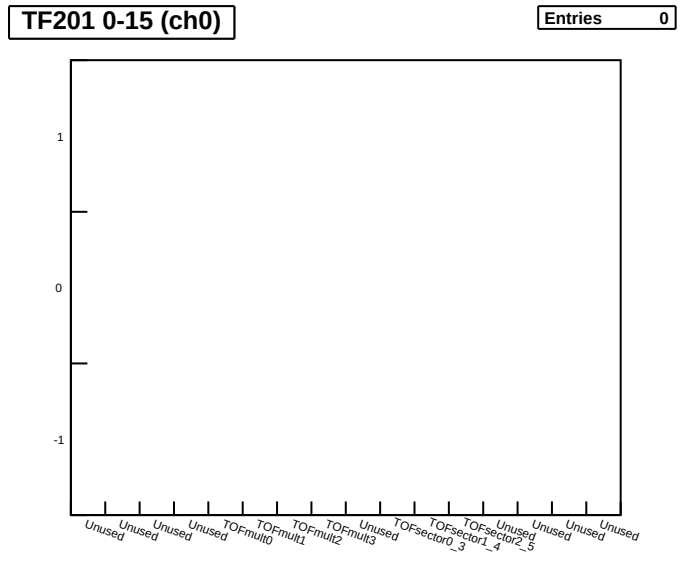

Entries 3424
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

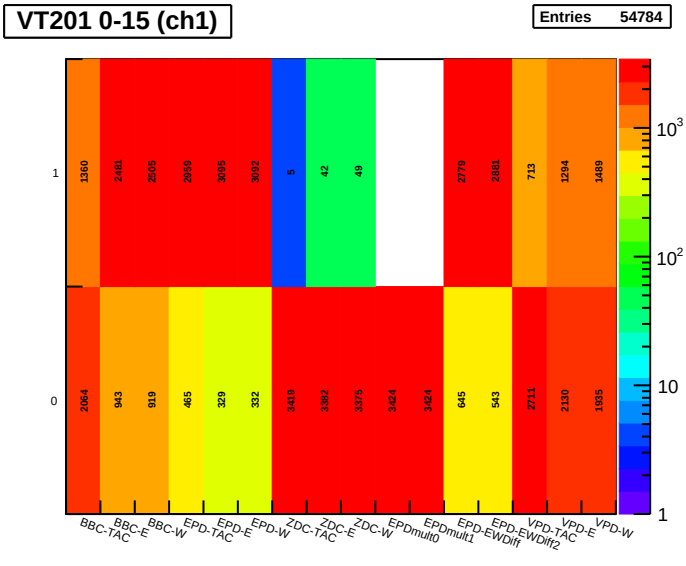

Entries 3424
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

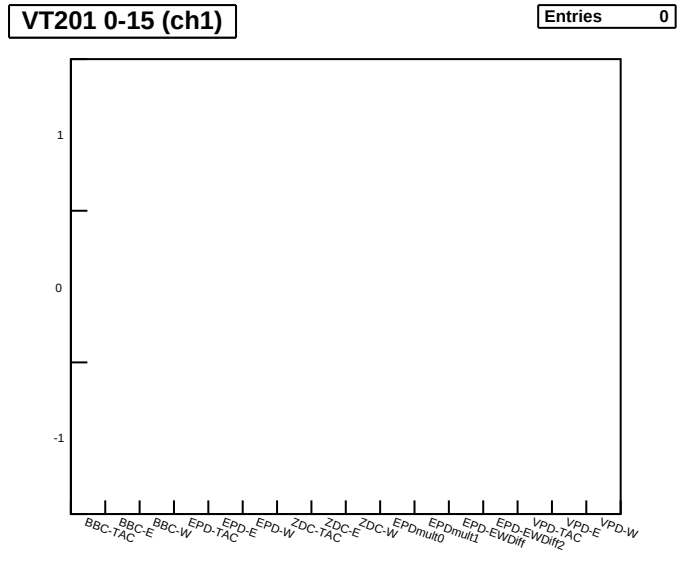

Laser Input Bits
Entries 3424
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

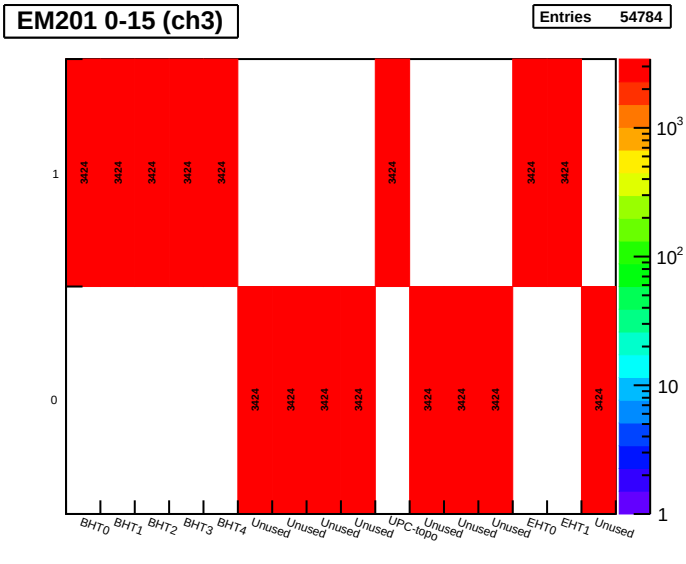

ST201 0-15 (ch6)
Entries 54784
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3424
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

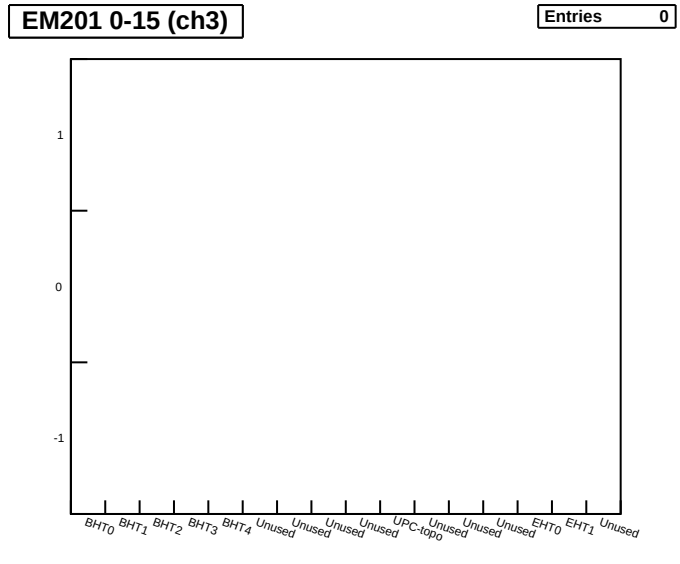

TF201 0-15 (ch0)
Entries 54784
1
0
3424 3169 2947 2811 1968 2724 2733 363 3424 3424 3424
3424 3424 3424 255 477 613 1456 3424 700 691 3061 3424
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 54784
1
0
1360 2481 2505 2959 3095 3092 5 42 49 2779 2881 713 1294 1489
2064 943 919 465 329 332 3419 3382 3375 3424 3424 645 543 2711 2130 1935
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
10^3
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 54784
1
0
3424 3424 3424 3424 3424 3424 3424 3424
3424 3424 3424 3424 3424 3424 3424 3424
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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