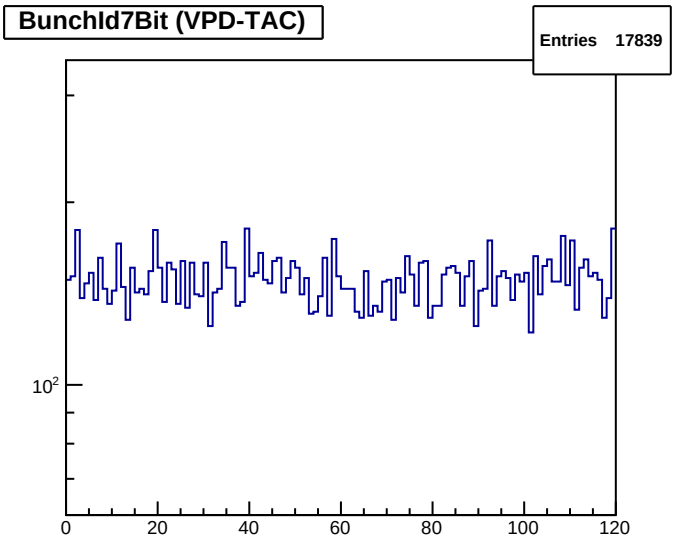
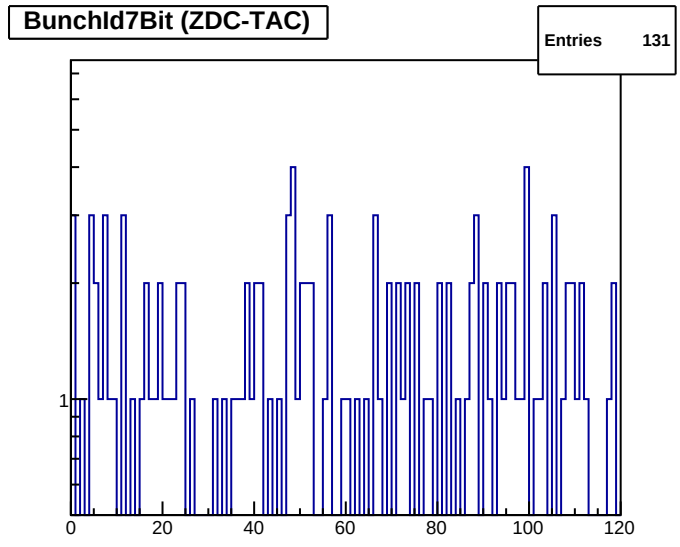
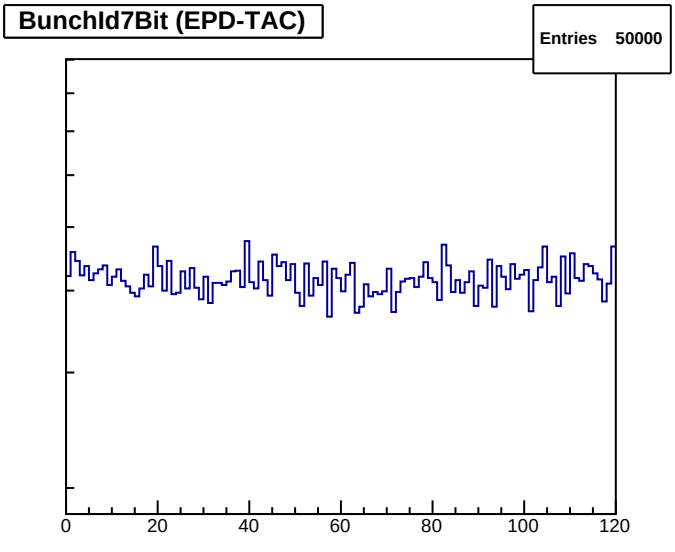
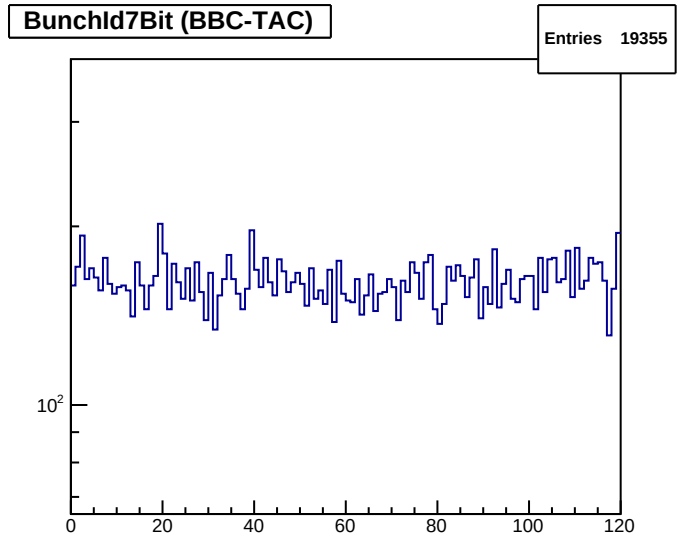
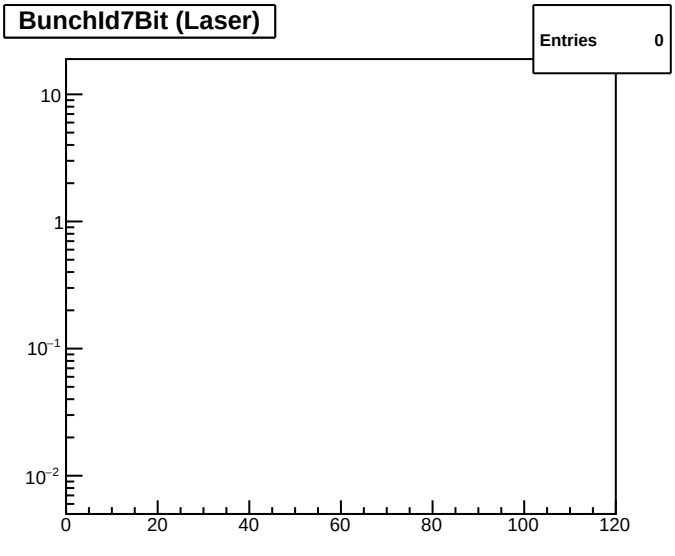
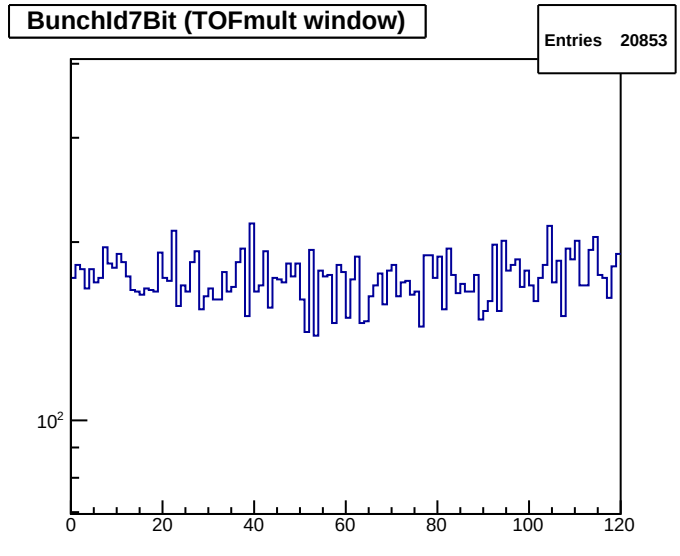

BunchId7Bit (VPD-TAC)
Entries 17839
10^2
0 20 40 60 80 100 120

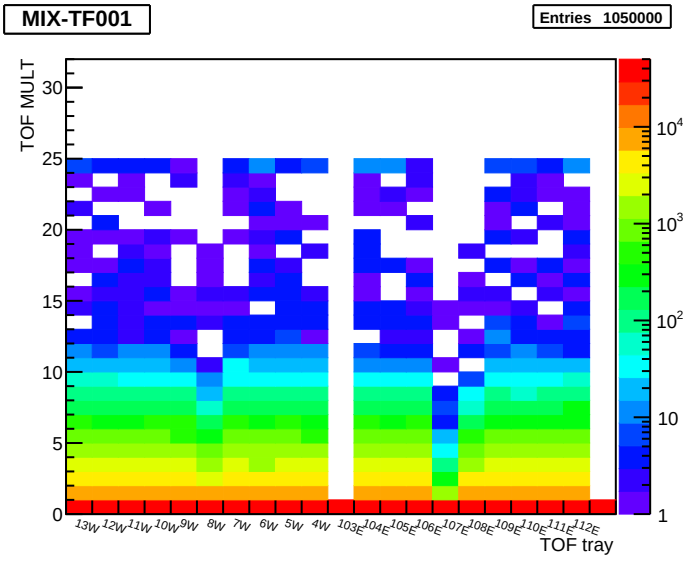

BunchId7Bit (ZDC-TAC)
Entries 131
1
0 20 40 60 80 100 120

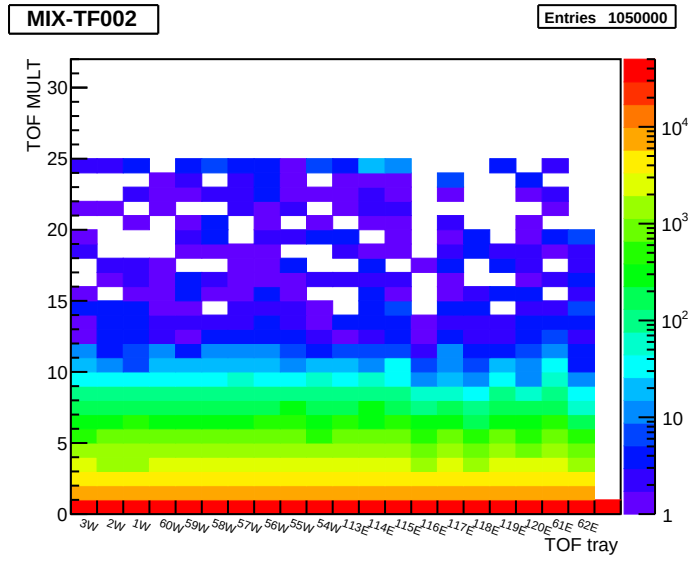

BunchId7Bit (EPD-TAC)
Entries 50000
0 20 40 60 80 100 120

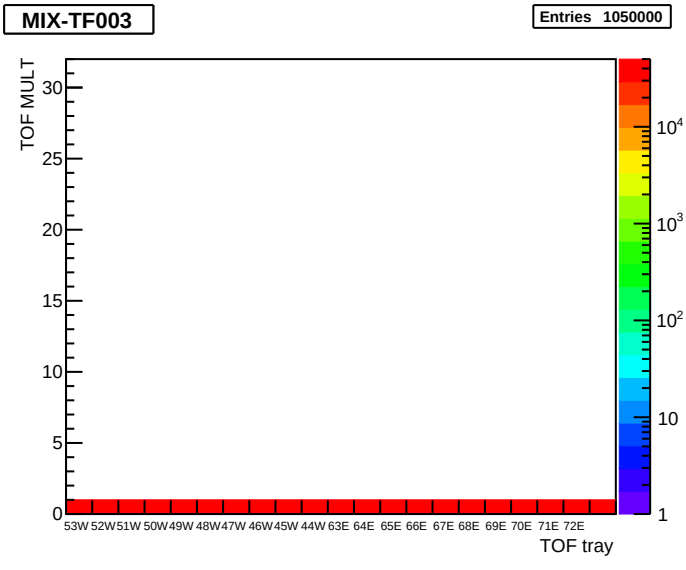

BunchId7Bit (BBC-TAC)
Entries 19355
10^2
0 20 40 60 80 100 120

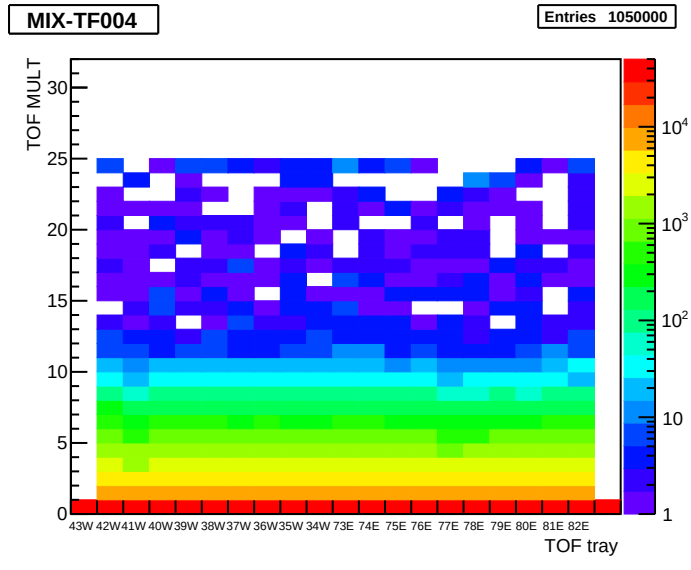

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

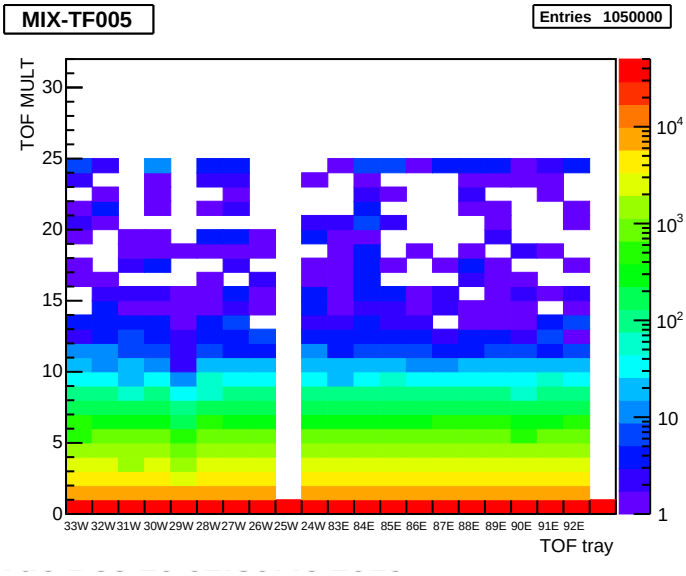

BunchId7Bit (TOFmult window)
Entries 20853
10^2
0 20 40 60 80 100 120

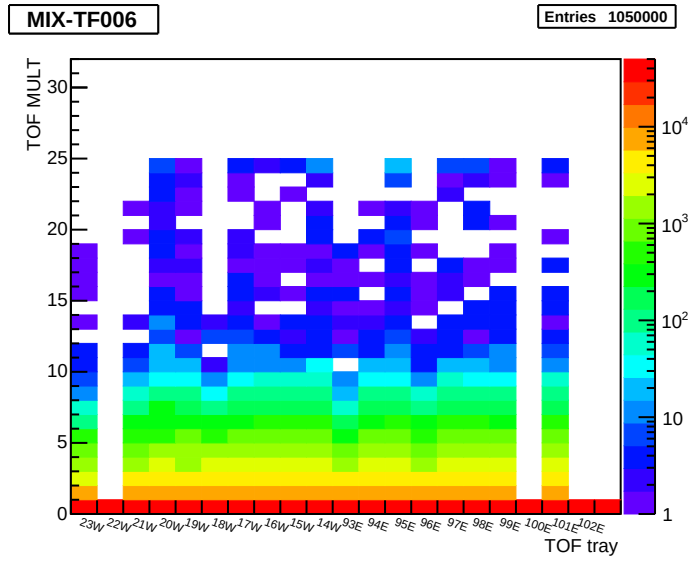

MIX-TF001
Entries 1050000
TOF MULT
TOF tray

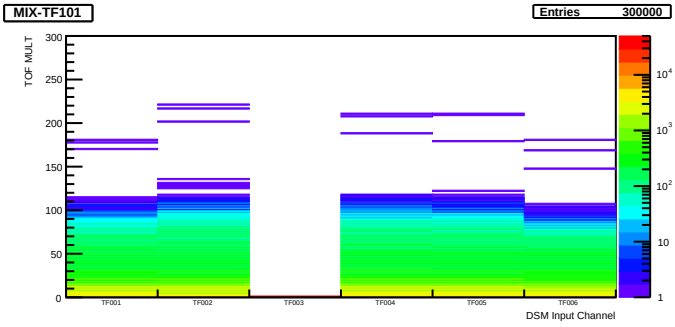

MIX-TF002
Entries 1050000
TOF MULT
TOF tray

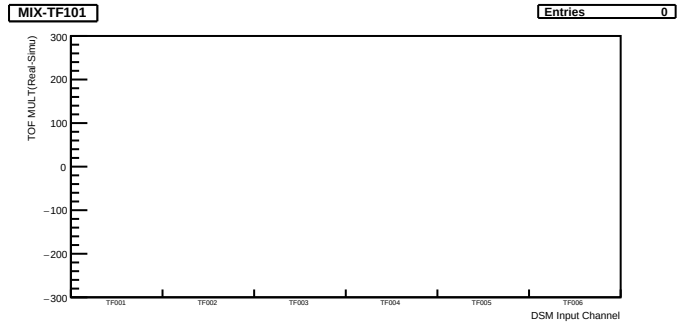

MIX-TF003
Entries 1050000
TOF MULT
TOF tray

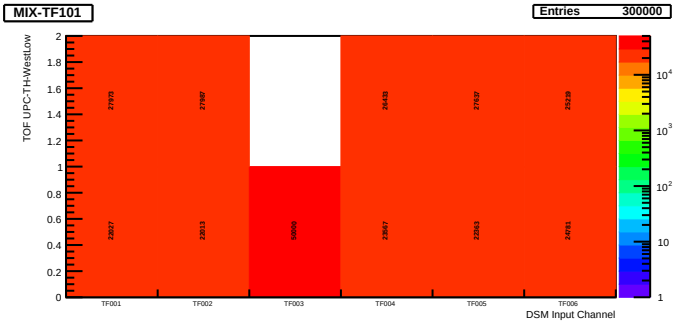

MIX-TF004
Entries 1050000
TOF MULT
TOF tray

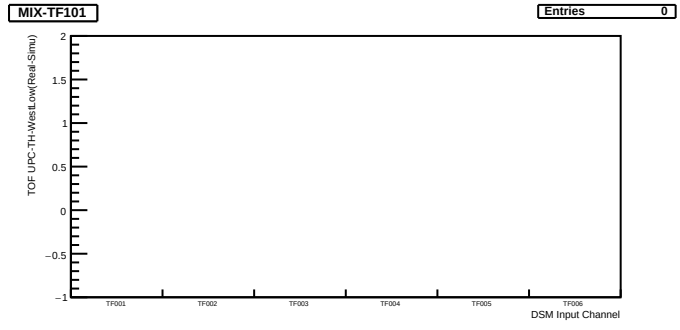

MIX-TF005
Entries 1050000
TOF MULT
TOF tray

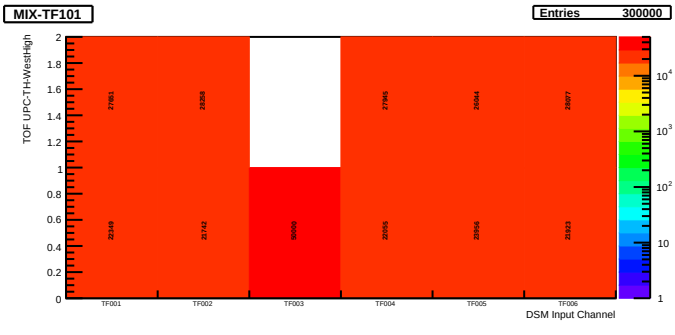

MIX-TF006
Entries 1050000
TOF MULT
TOF tray

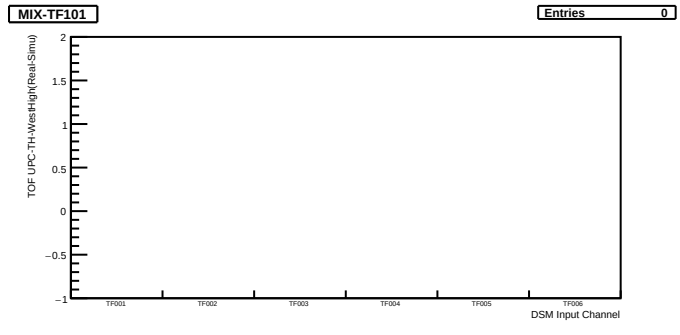

MIX-TF101
Entries 300000
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

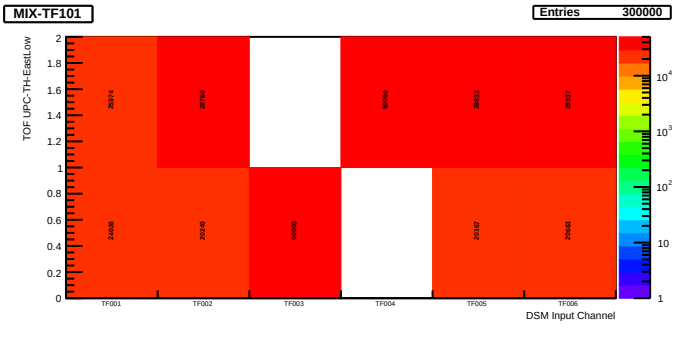

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

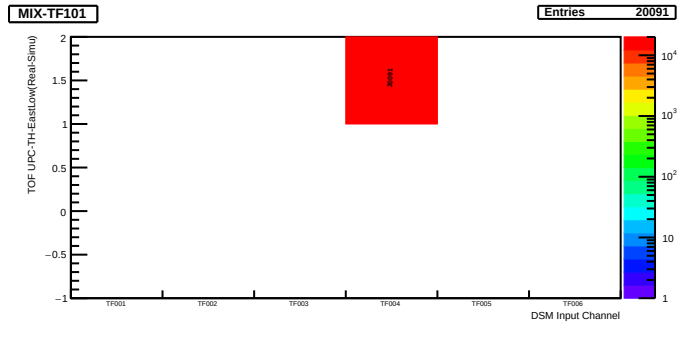

MIX-TF101
Entries 300000
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

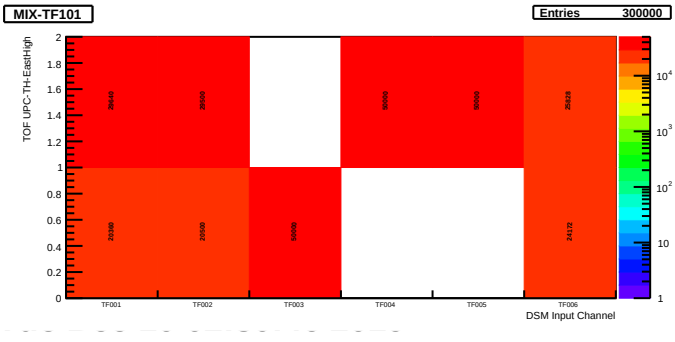

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

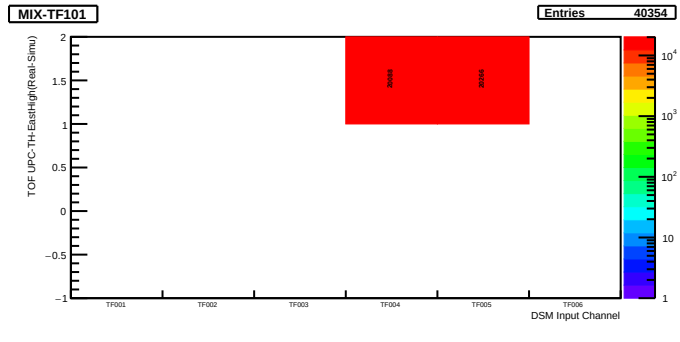

MIX-TF101
Entries 300000
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

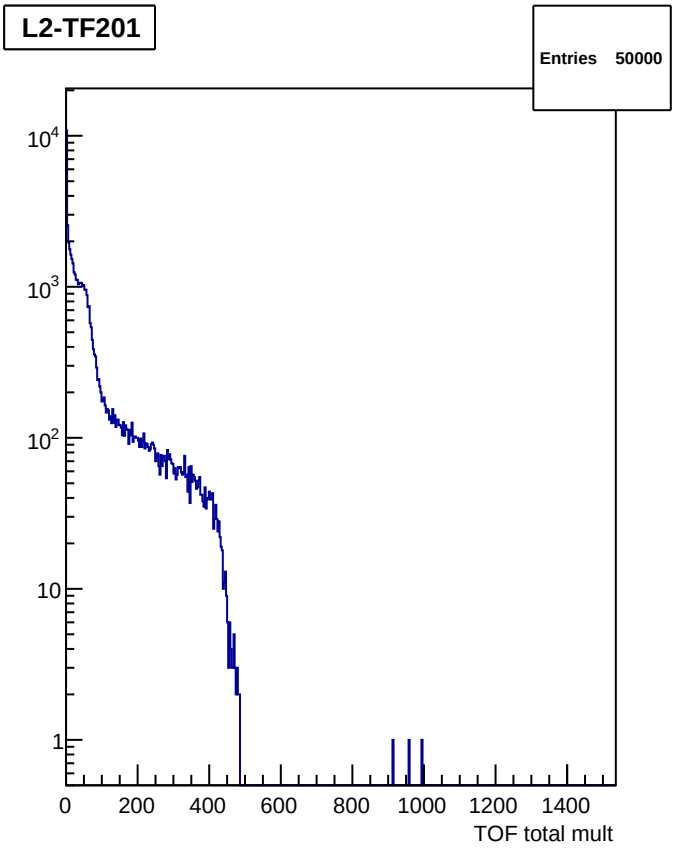

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

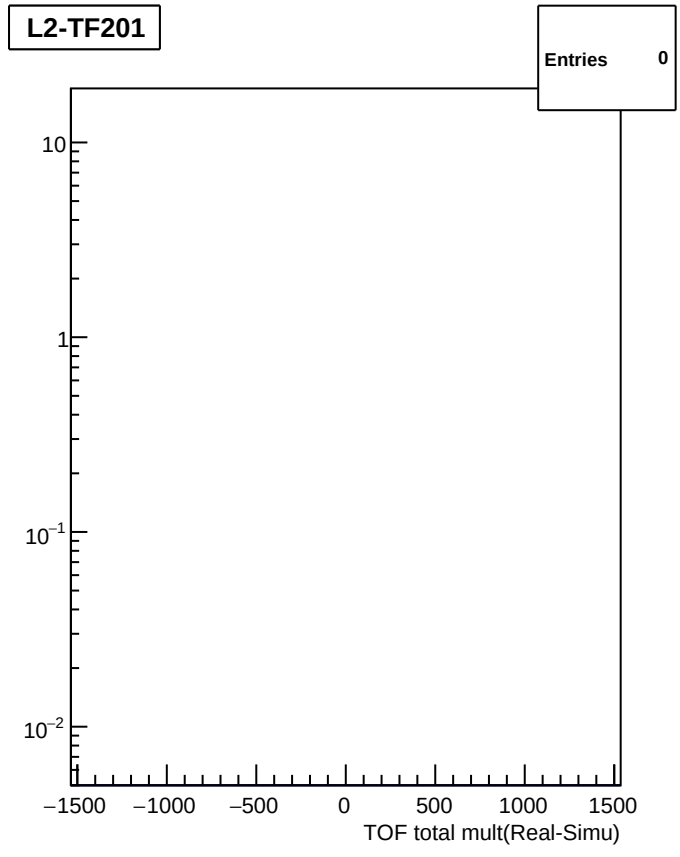

MIX-TF101
Entries 300000
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

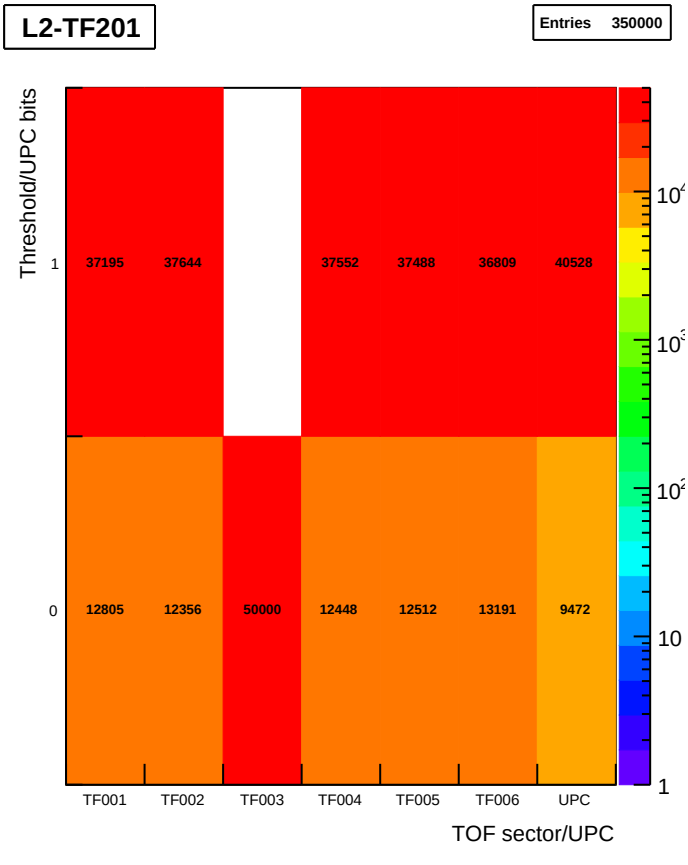

MIX-TF101
Entries 20091
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

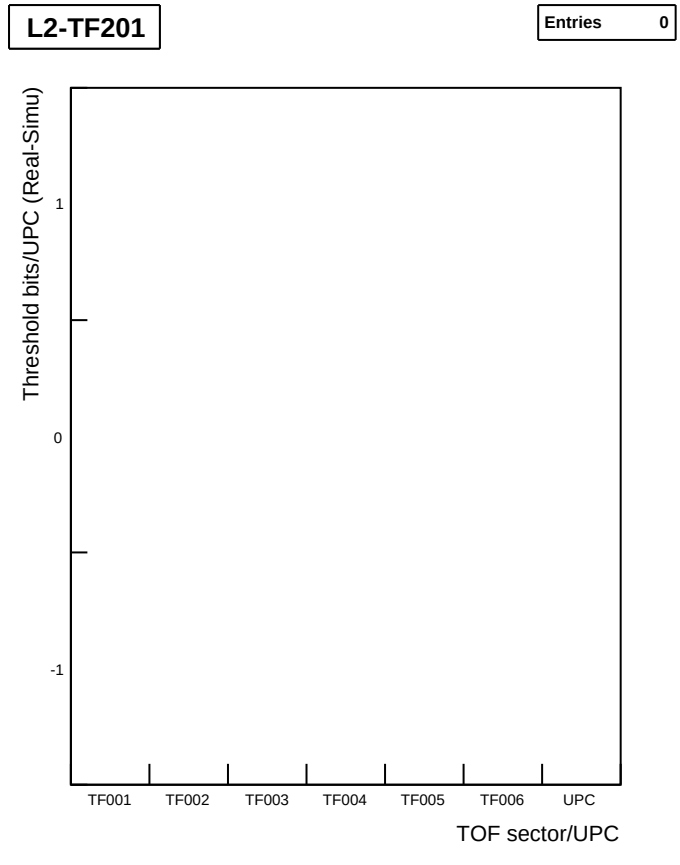

MIX-TF101
Entries 300000
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

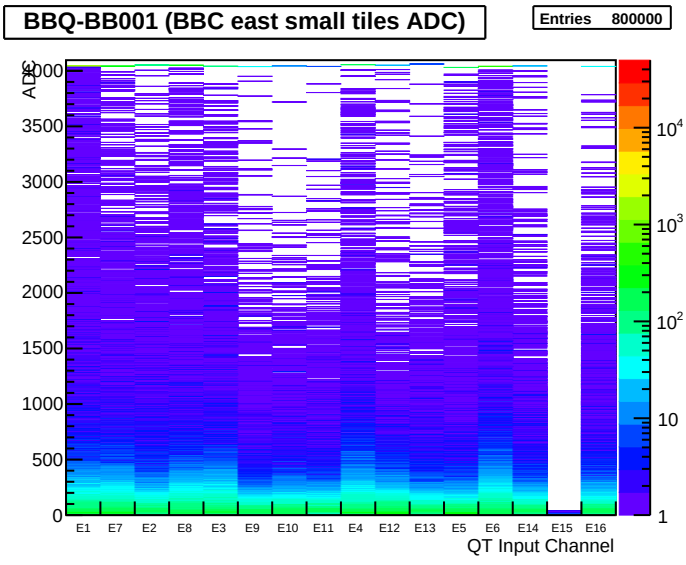

MIX-TF101
Entries 40354
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

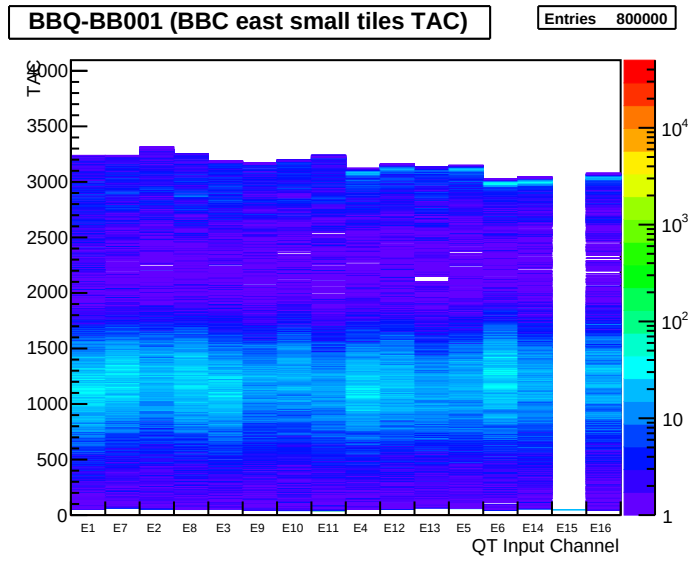

L2-TF201
Entries 50000
TOF total mult

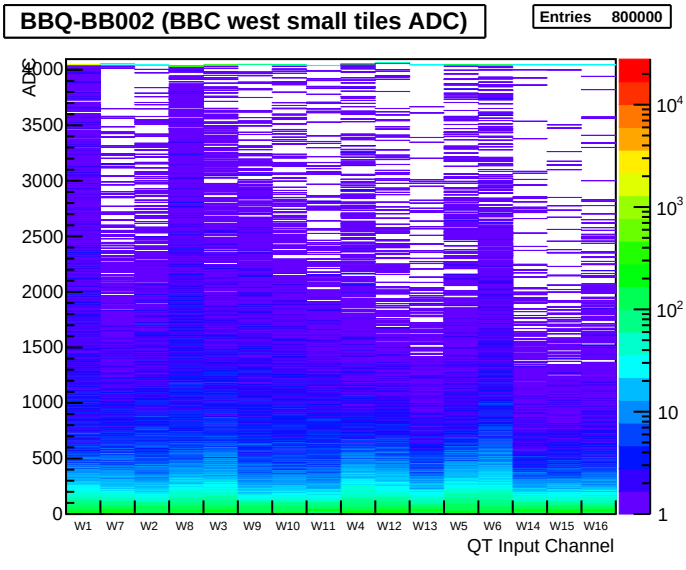

L2-TF201
Entries 0
TOF total mult(Real-Simu)

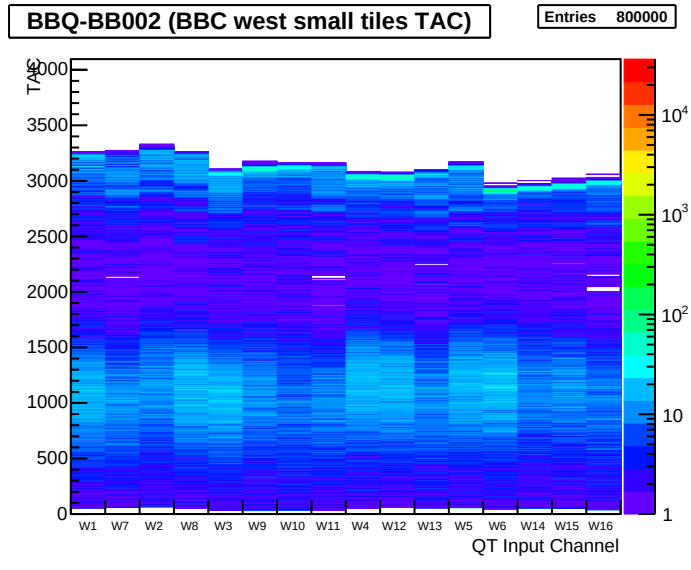

L2-TF201
Entries 350000
Threshold/UPC bits
37195
37644
37552
37488
36809
40528
12805
12356
50000
12448
12512
13191
9472
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

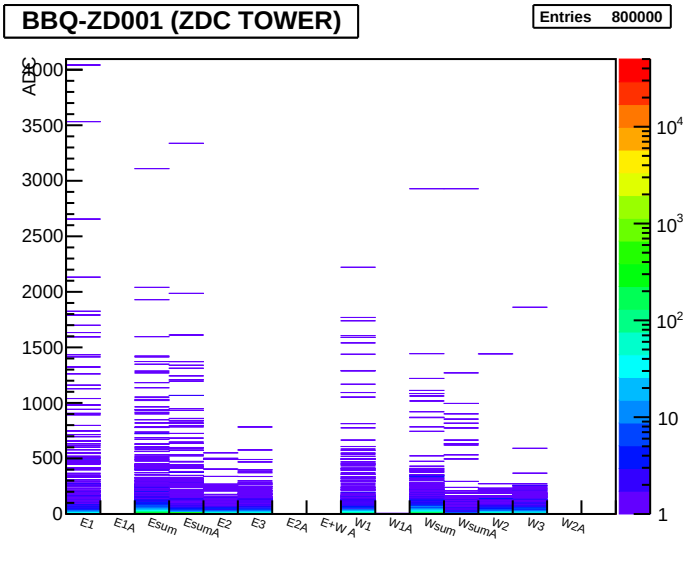

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

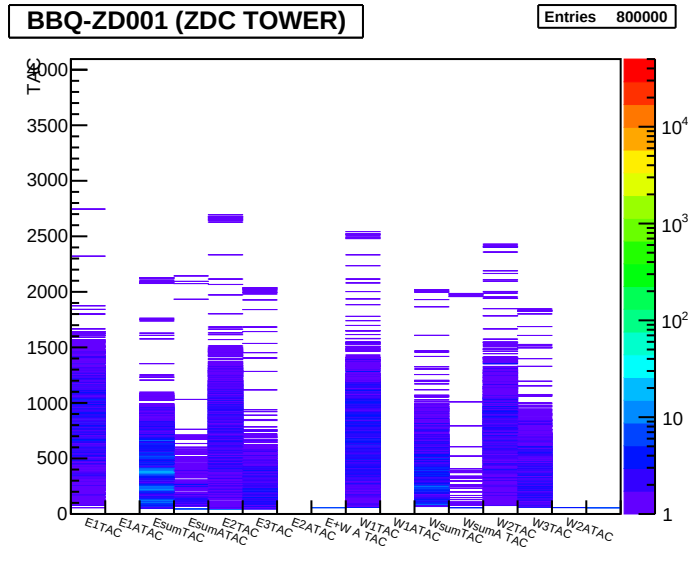

BBQ-BB001 (BBC east small tiles ADC)
Entries 800000
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

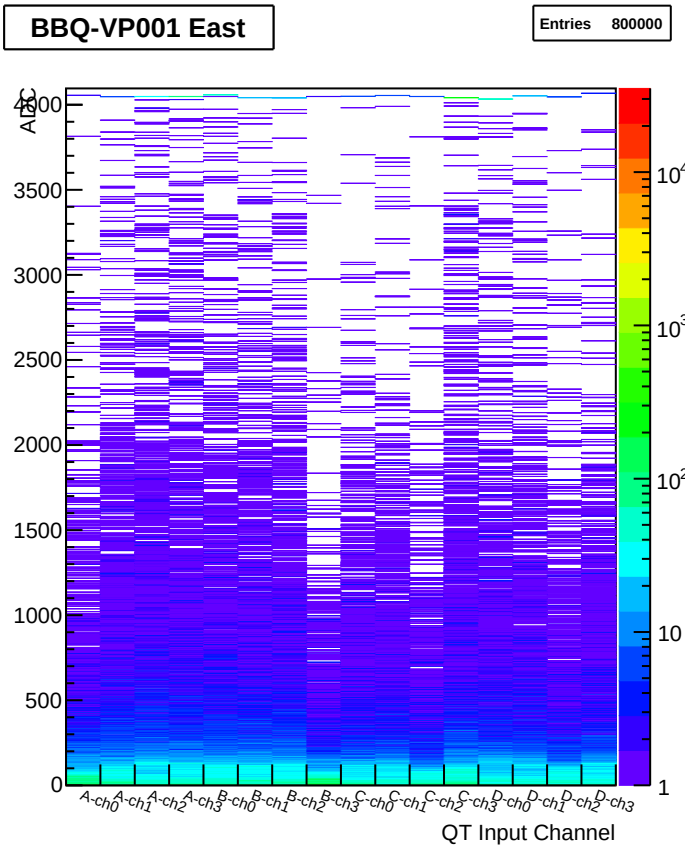

BBQ-BB001 (BBC east small tiles TAC)
Entries 800000
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

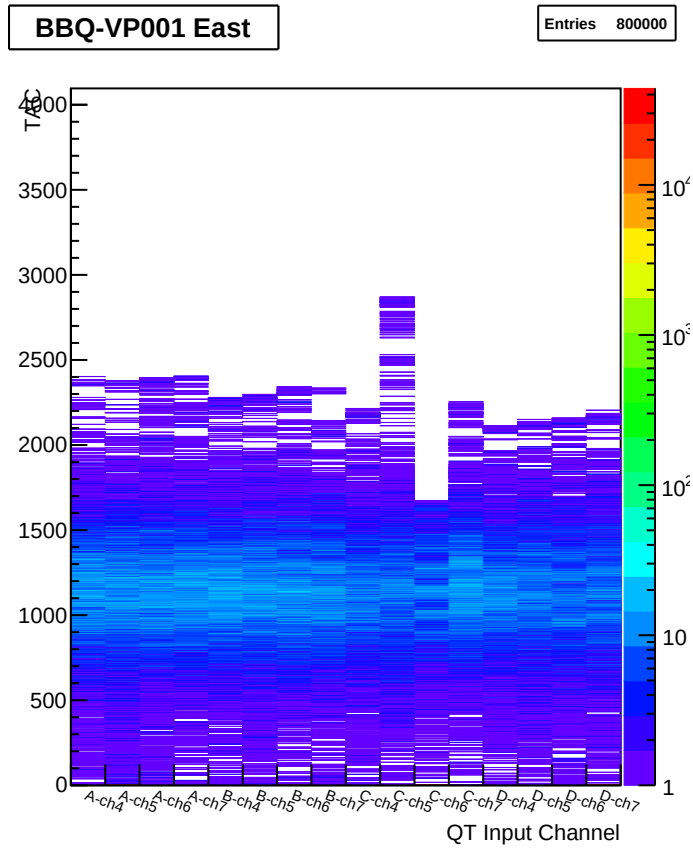

BBQ-BB002 (BBC west small tiles ADC)
Entries 800000
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

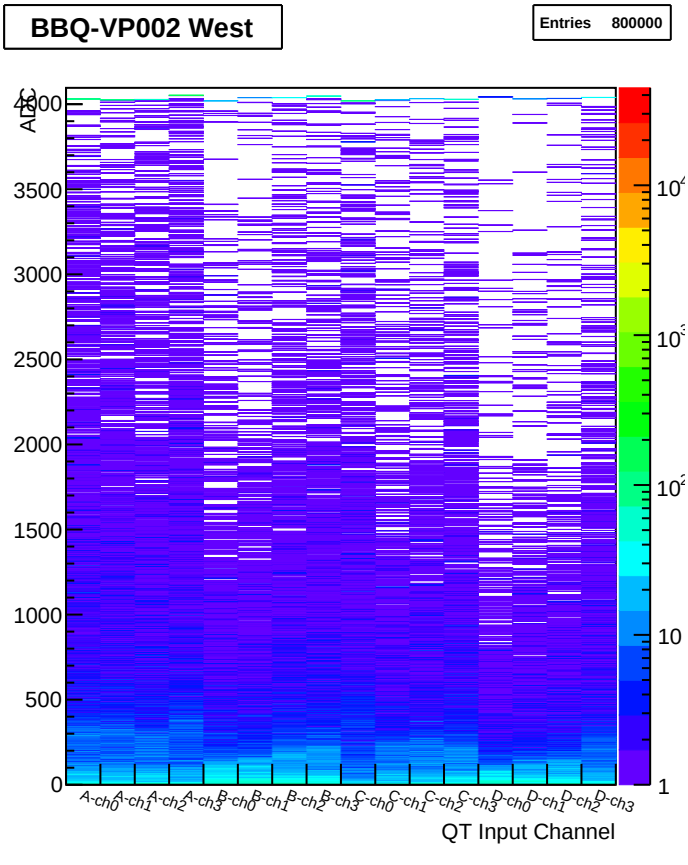

BBQ-BB002 (BBC west small tiles TAC)
Entries 800000
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

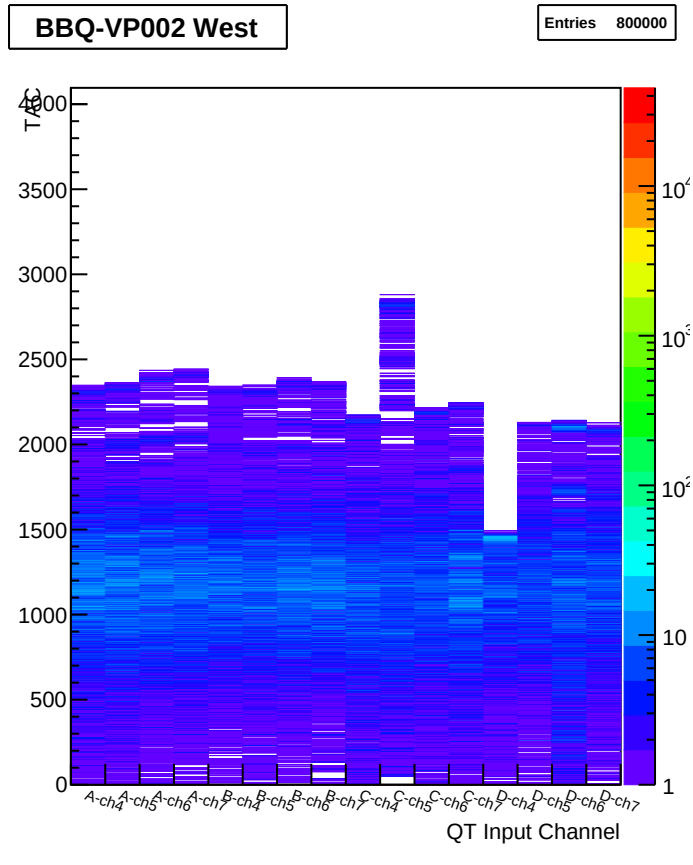

BBQ-ZD001 (ZDC TOWER)
Entries 800000
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

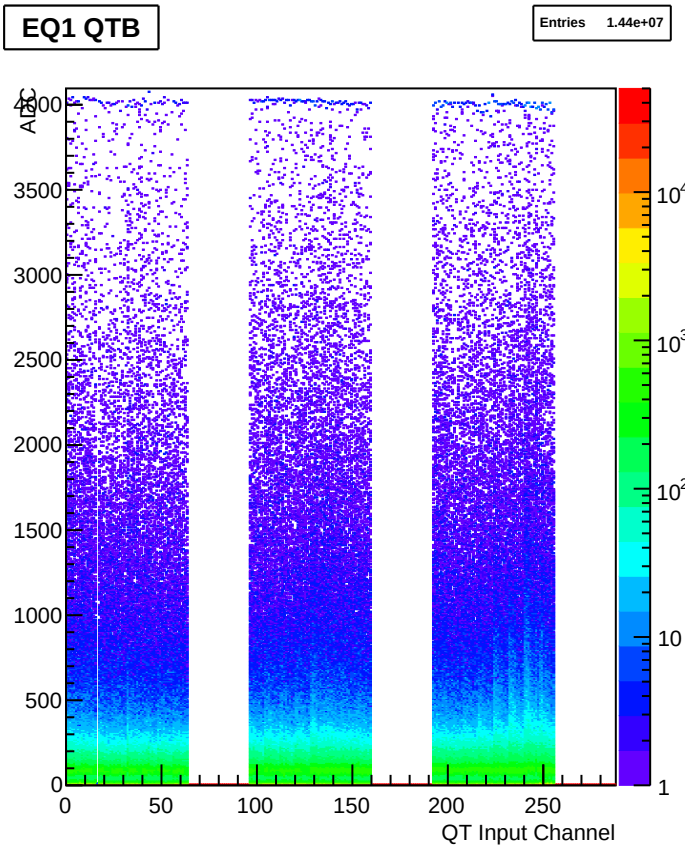

BBQ-ZD001 (ZDC TOWER)
Entries 800000
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

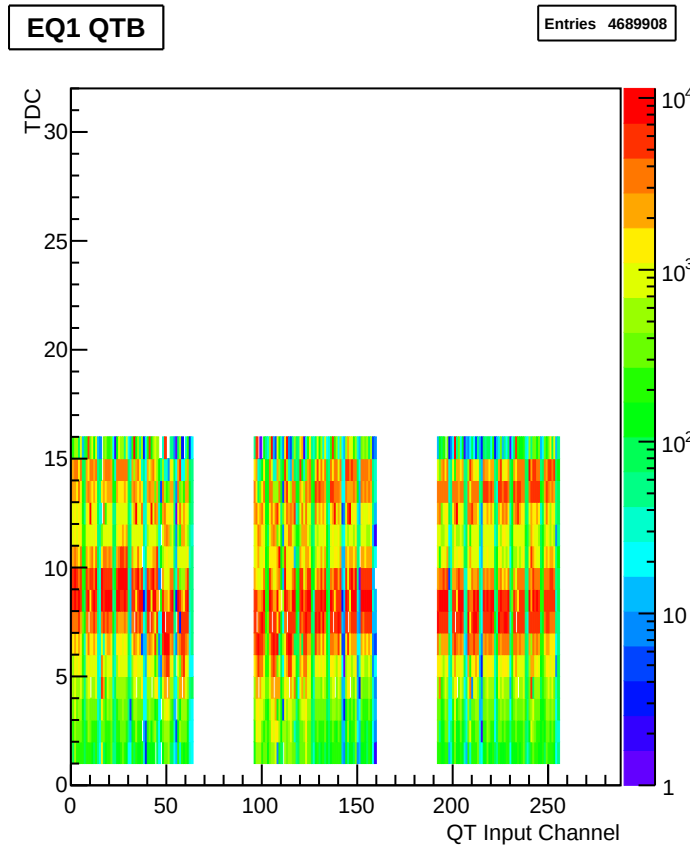

BBQ-VP001 East
Entries 800000
ADC
QT Input Channel

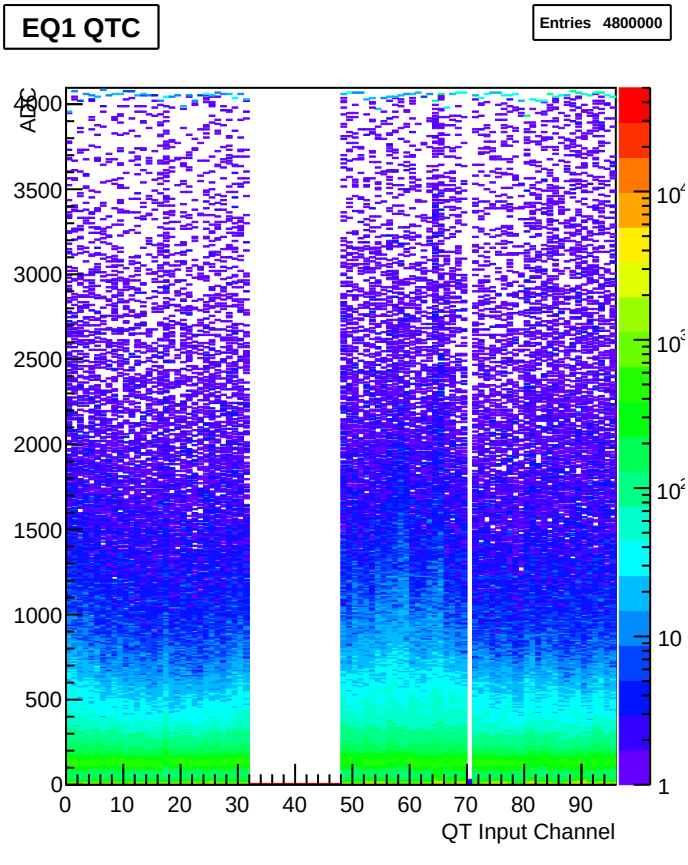

BBQ-VP001 East
Entries 800000
TADC
QT Input Channel

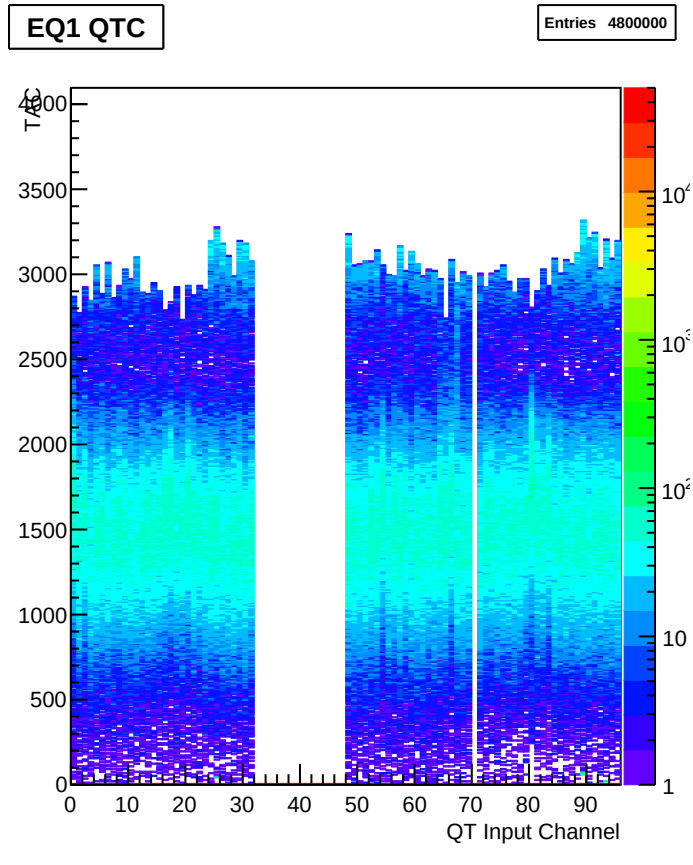

BBQ-VP002 West
Entries 800000
ADC
QT Input Channel

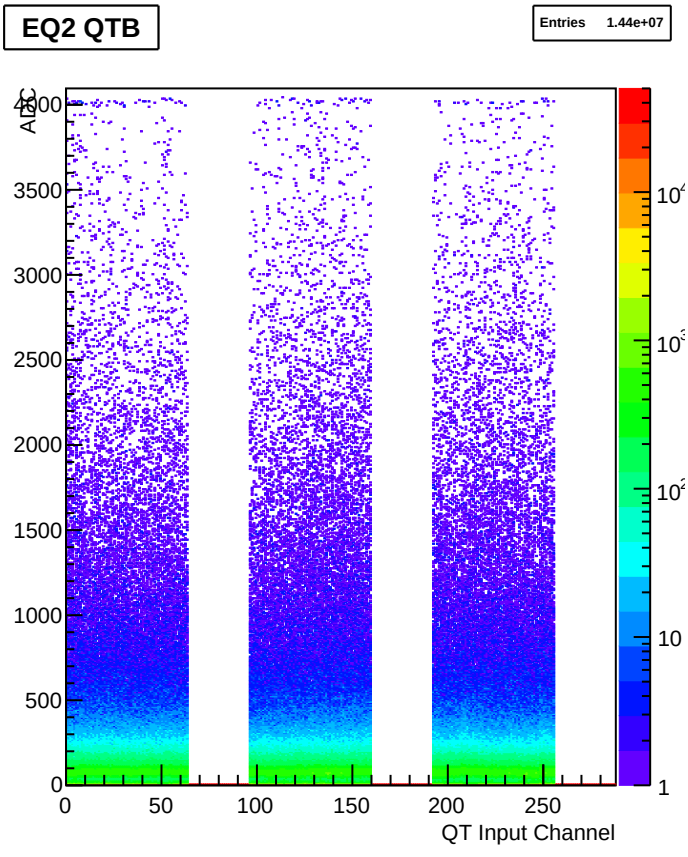

BBQ-VP002 West
Entries 800000
TADC
QT Input Channel

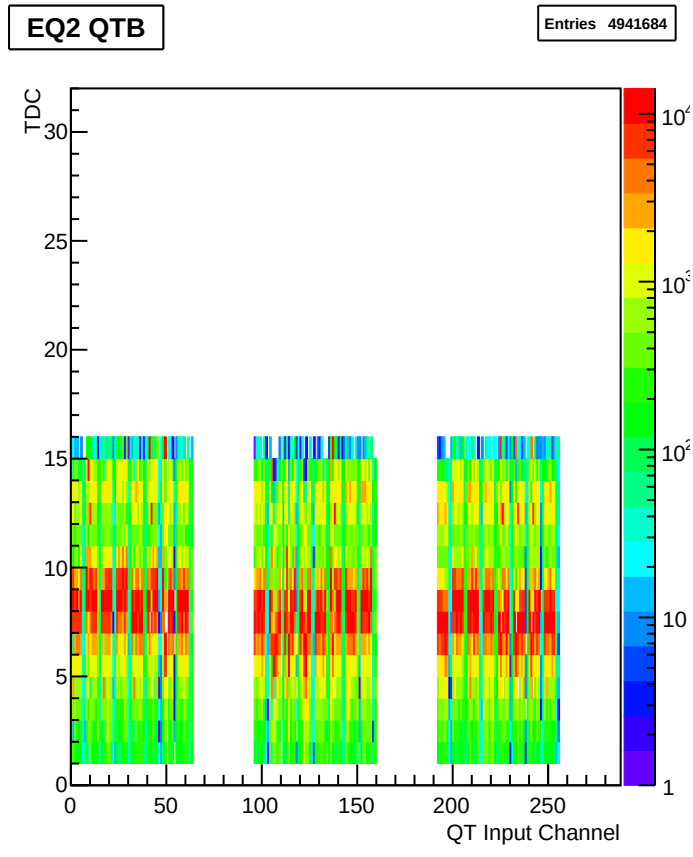

EQ1 QTB
Entries 1.44e+07
ADC
QT Input Channel

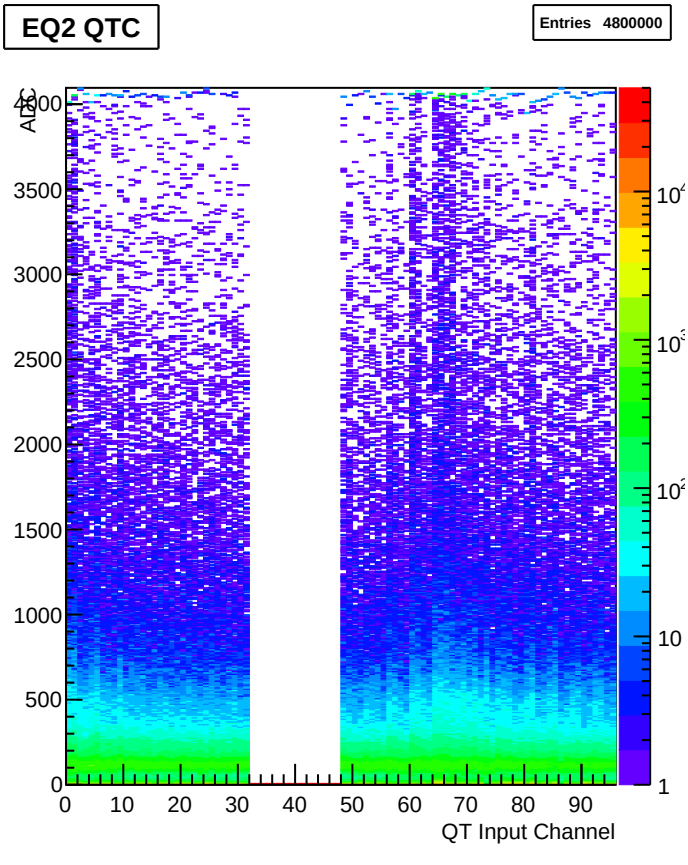

EQ1 QTB
Entries 4689908
TDC
QT Input Channel

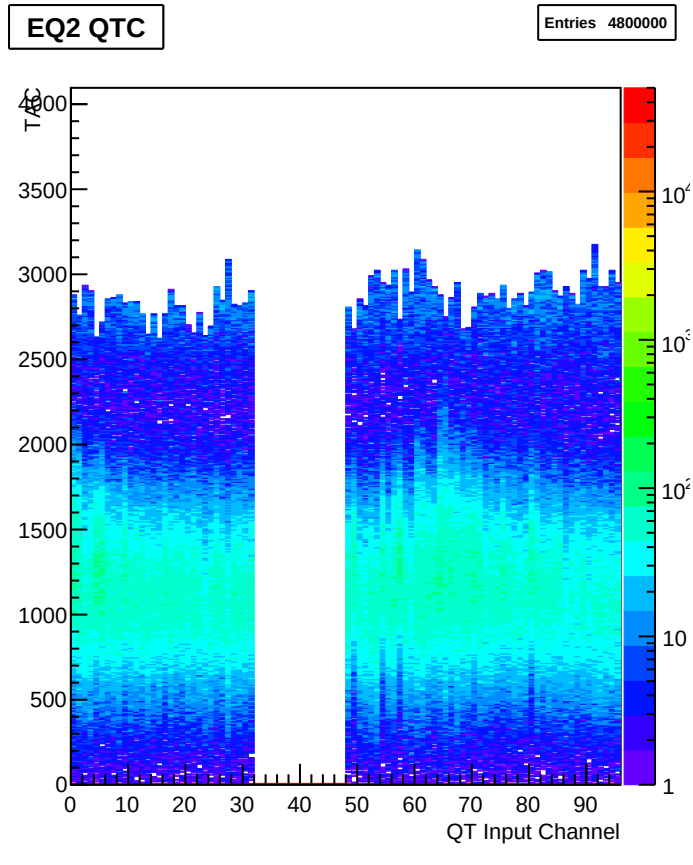

EQ1 QTC
Entries 4800000
ADC
QT Input Channel

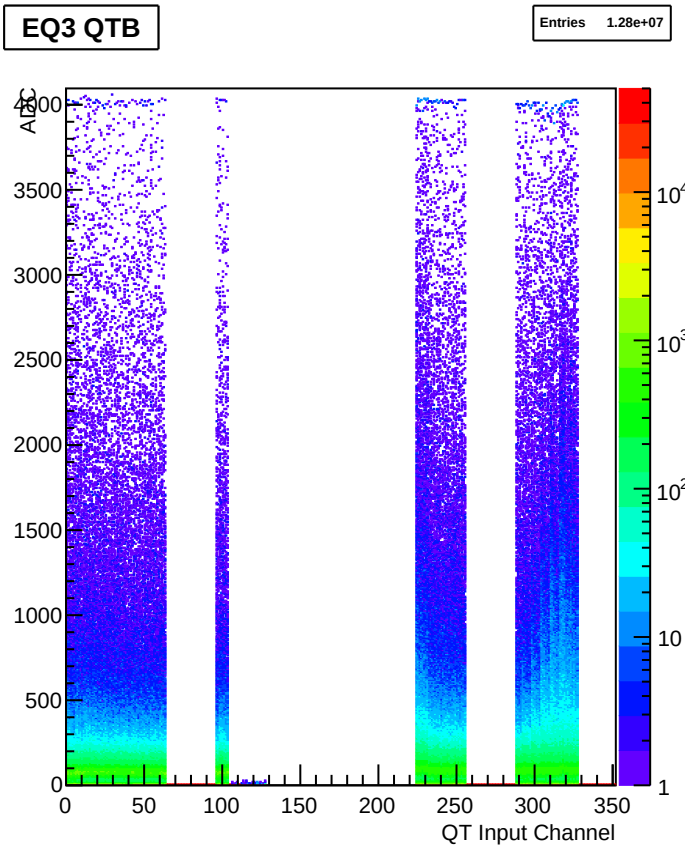

EQ1 QTC
Entries 4800000
TADC
QT Input Channel

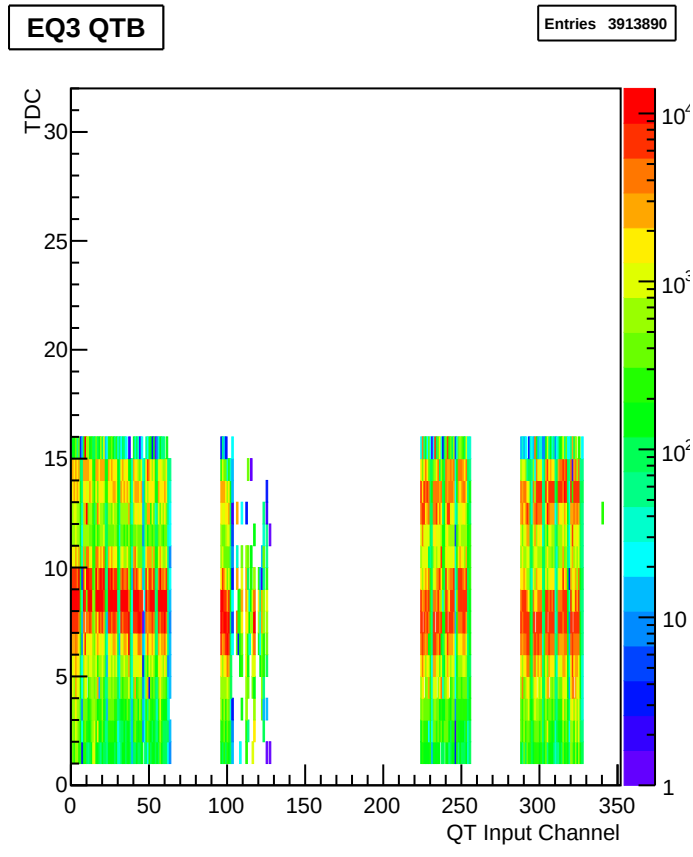

EQ2 QTB
Entries 1.44e+07
ADC
QT Input Channel

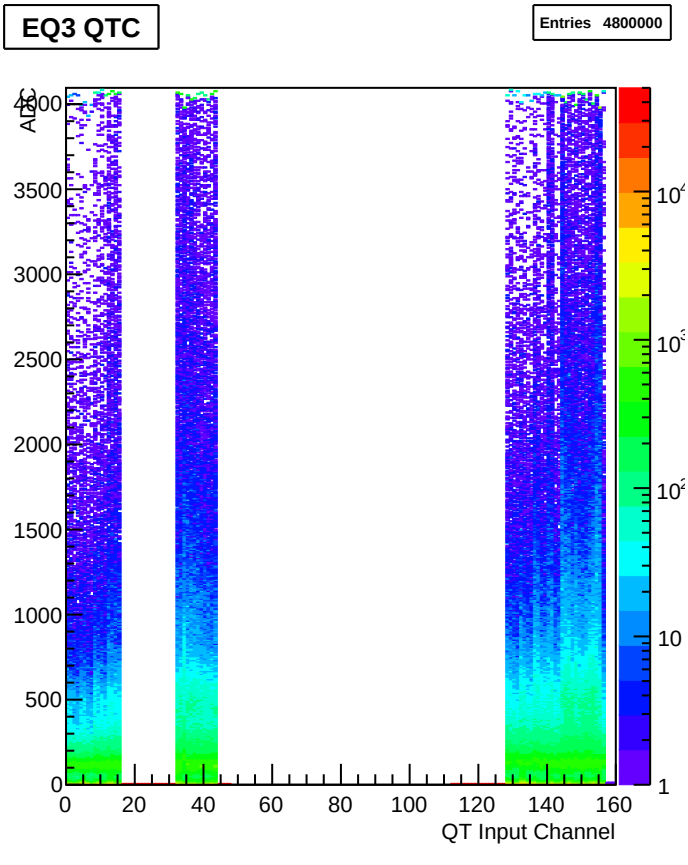

EQ2 QTB
Entries 4941684
TDC
QT Input Channel

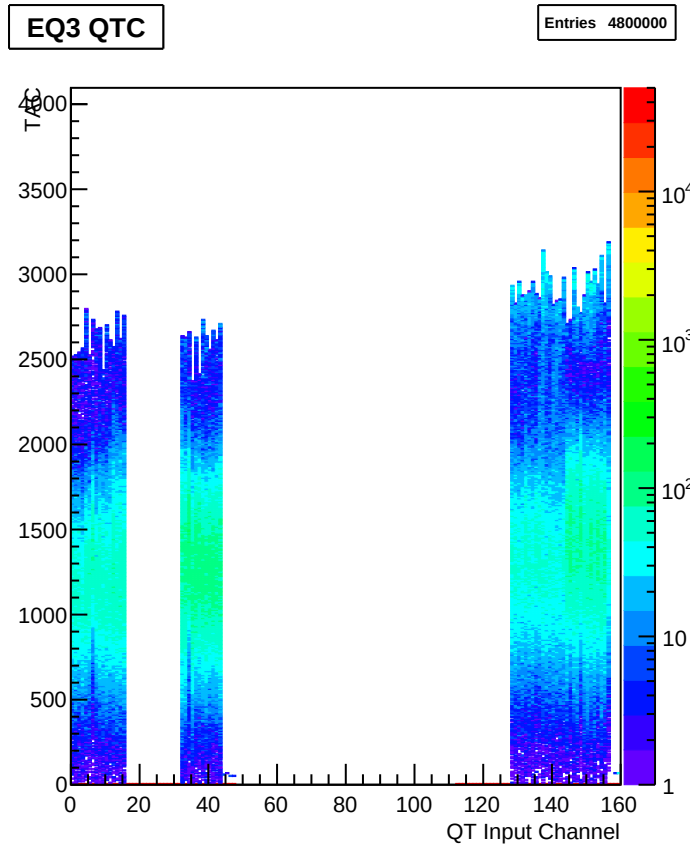

EQ2 QTC
Entries 4800000
ADC
QT Input Channel

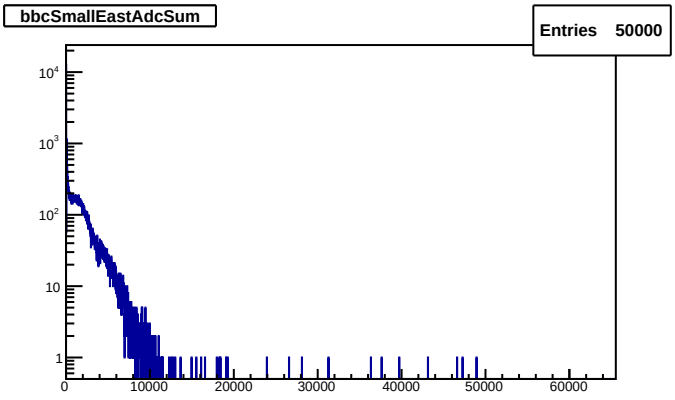

EQ2 QTC
Entries 4800000
TADC
QT Input Channel

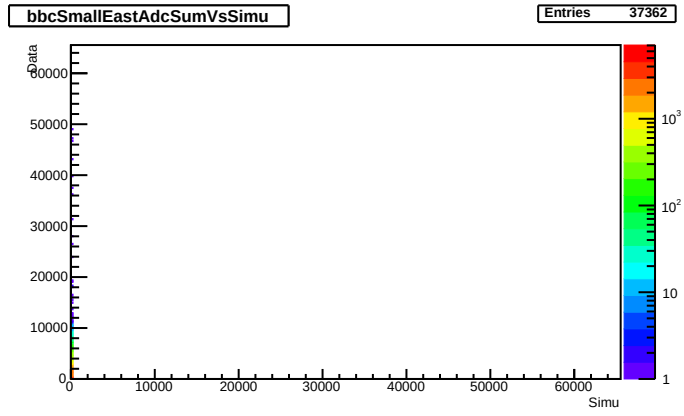

EQ3 QTB
Entries 1.28e+07
ADC
QT Input Channel

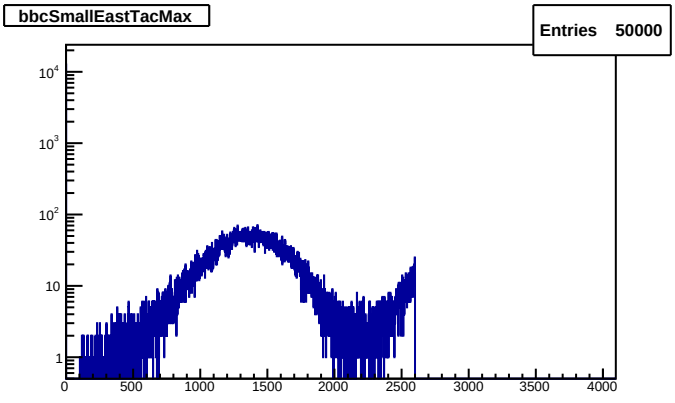

EQ3 QTB
Entries 3913890
TDC
QT Input Channel

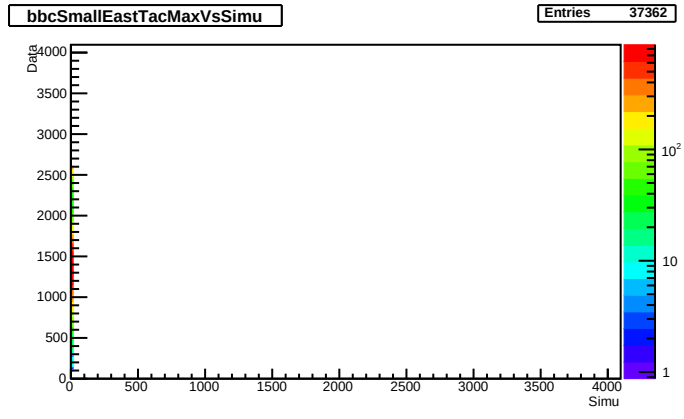

EQ3 QTC
Entries 4800000
ADC
QT Input Channel

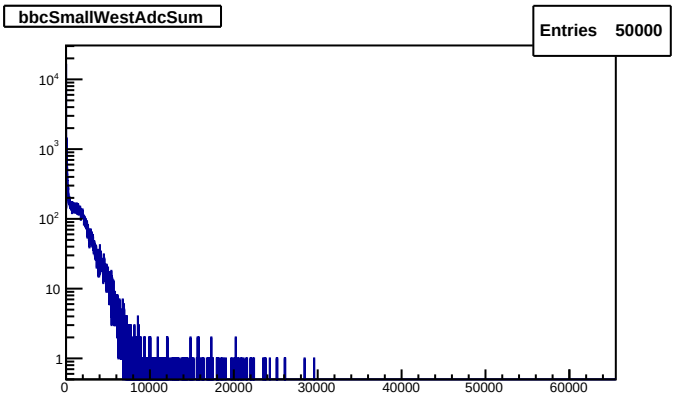

EQ3 QTC
Entries 4800000
TADC
QT Input Channel

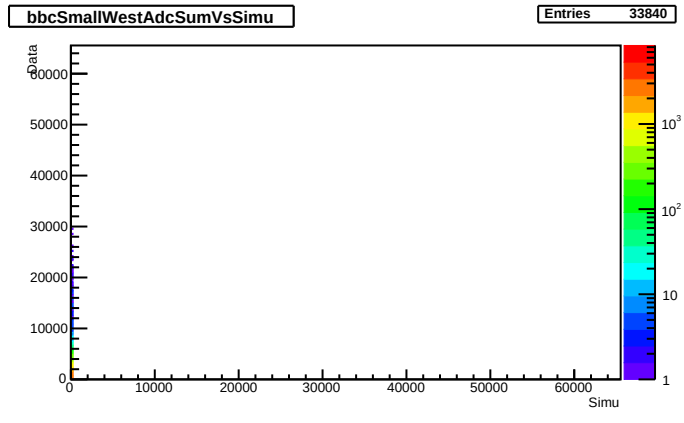

bbcSmallEastAdcSum
Entries 50000

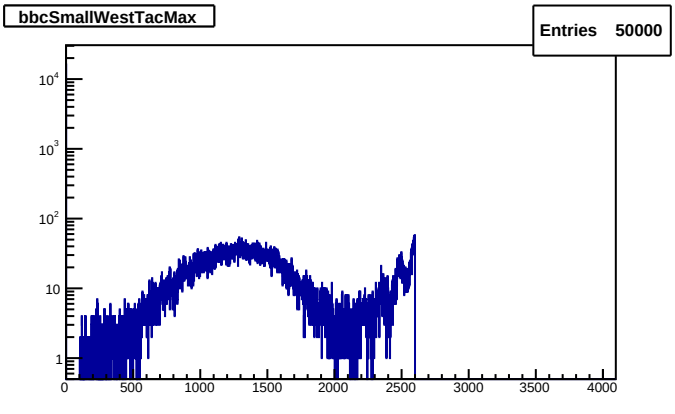

bbcSmallEastAdcSumVsSimu
Entries 37362
Data
Simu

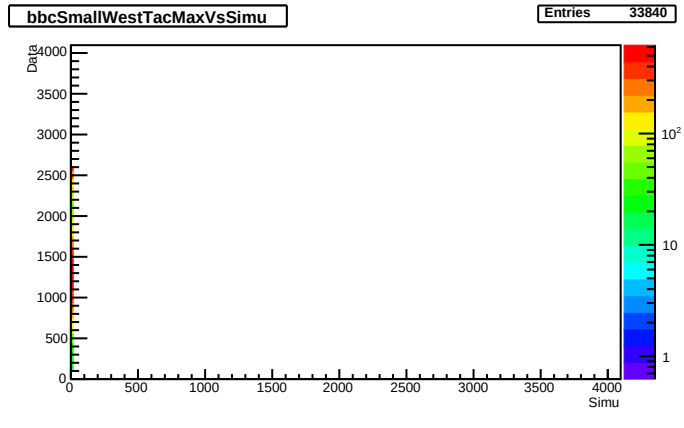

bbcSmallEastTacMax
Entries 50000

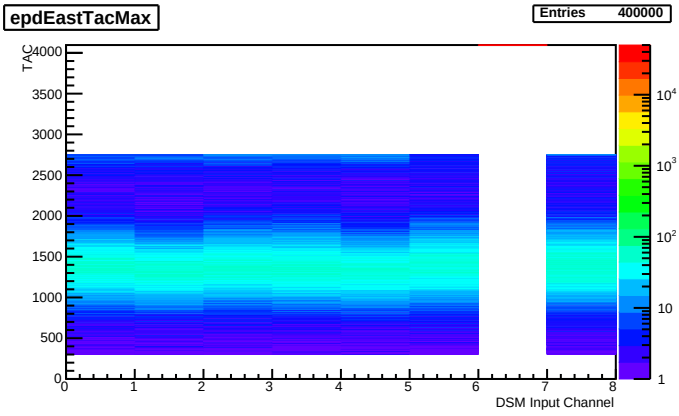

bbcSmallEastTacMaxVsSimu
Entries 37362
Data
Simu

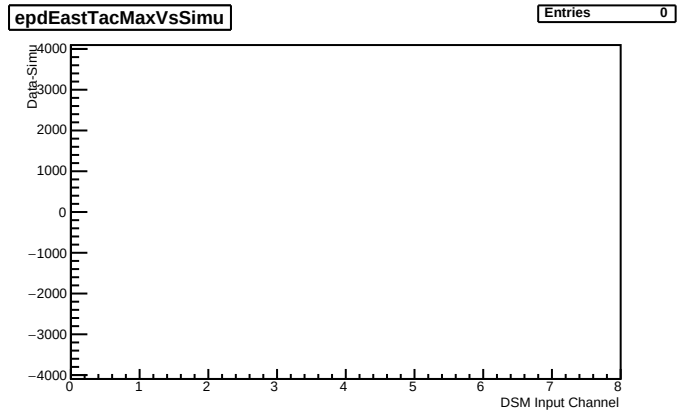

bbcSmallWestAdcSum
Entries 50000

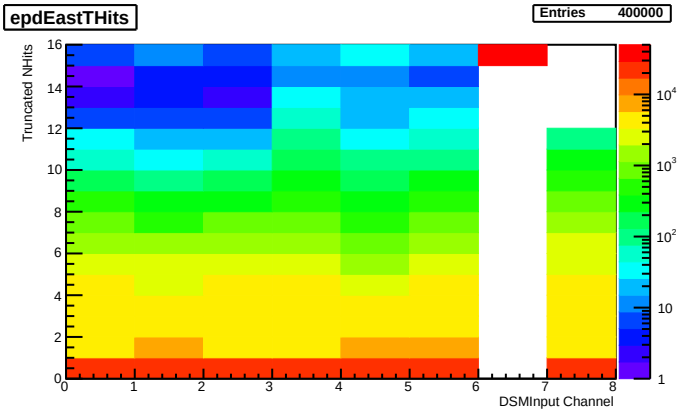

bbcSmallWestAdcSumVsSimu
Entries 33840
Data
Simu

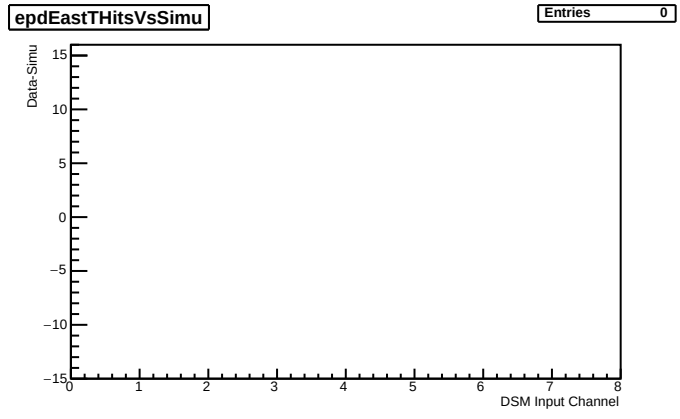

bbcSmallWestTacMax
Entries 50000

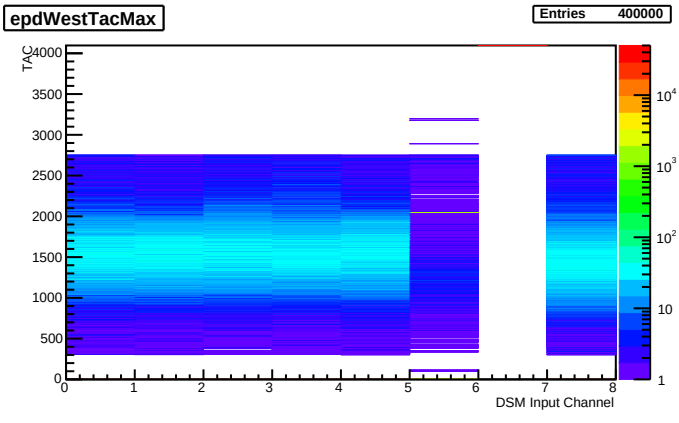

bbcSmallWestTacMaxVsSimu
Entries 33840
Data
Simu

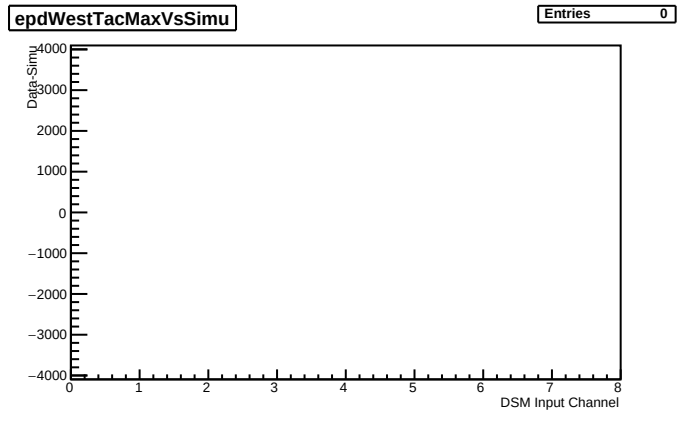

epdEastTacMax
Entries 400000
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 400000
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 400000
TAC
DSM Input Channel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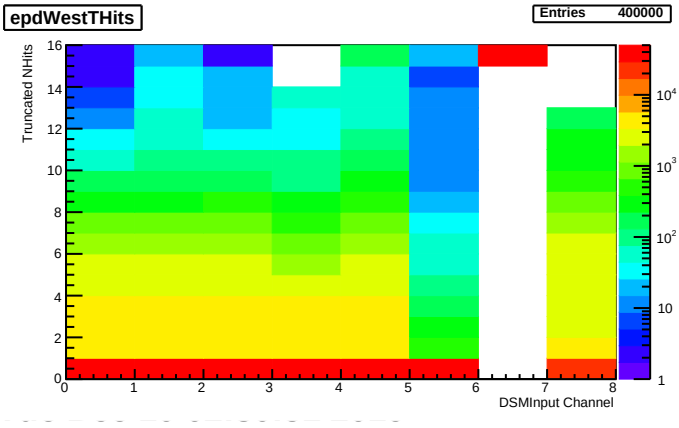
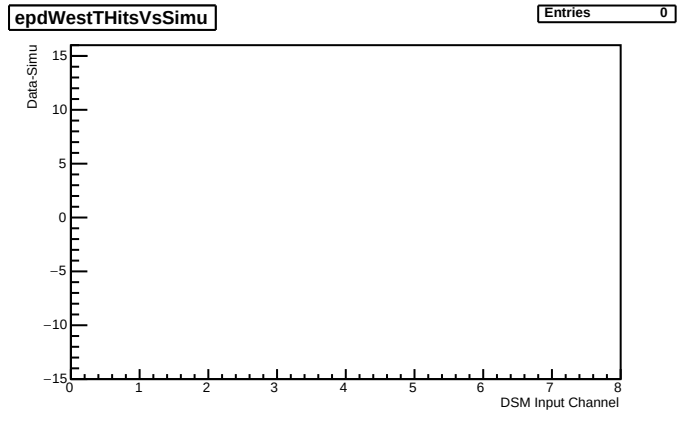
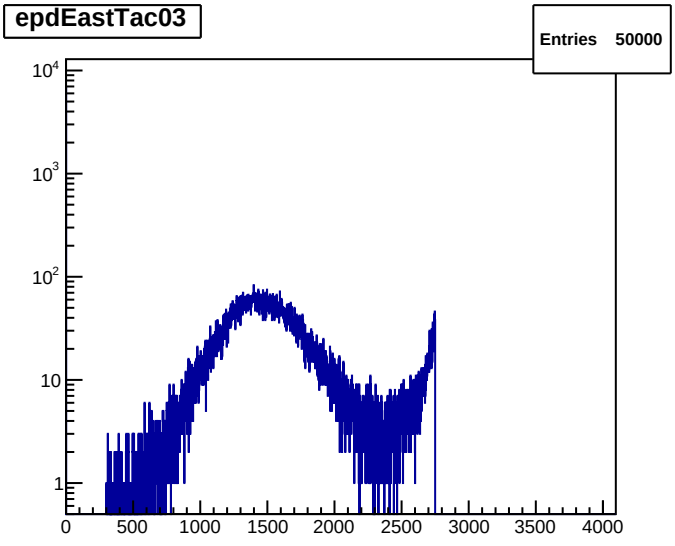
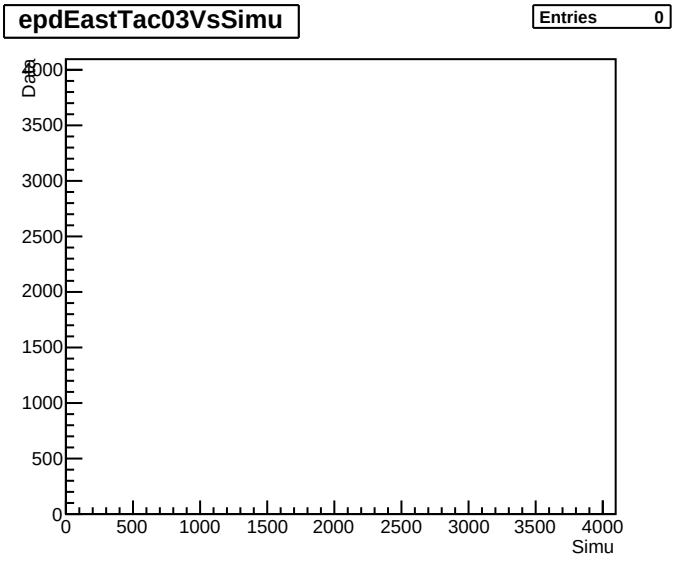
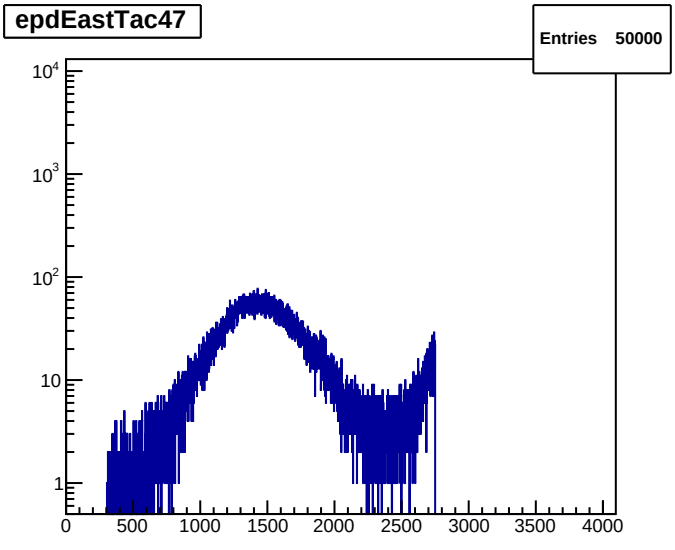
Entries 0
Data-Simu
DSM Input Channel

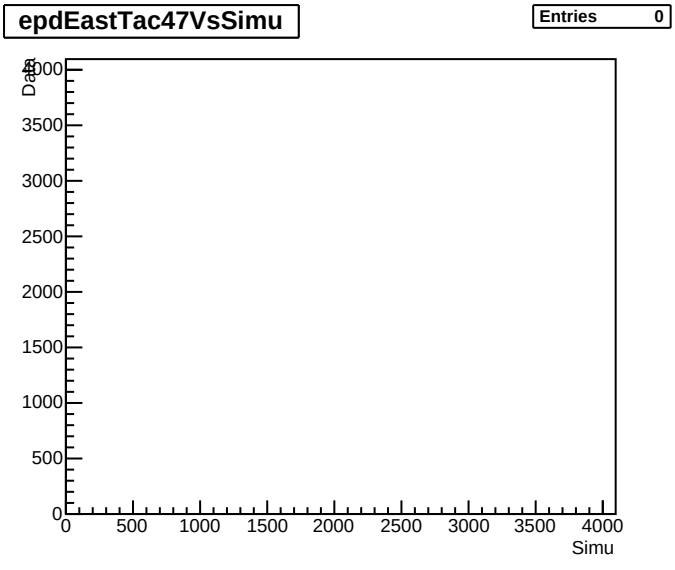

epdWestTHits
Entries 400000
Truncated NHits
DSMInput Channel

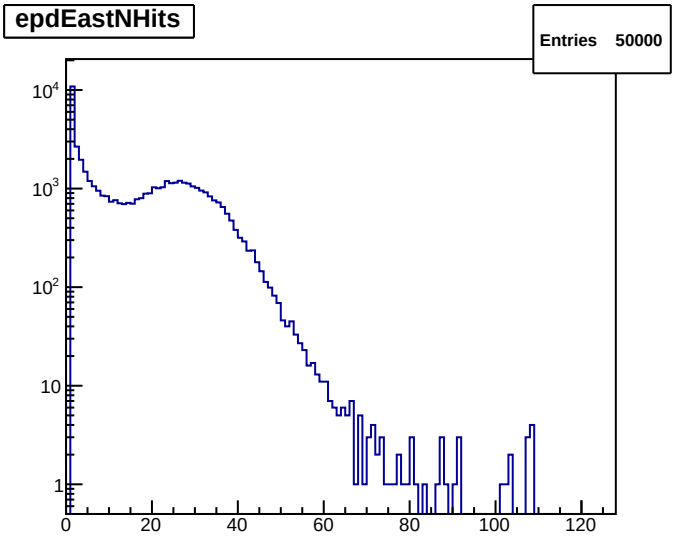

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

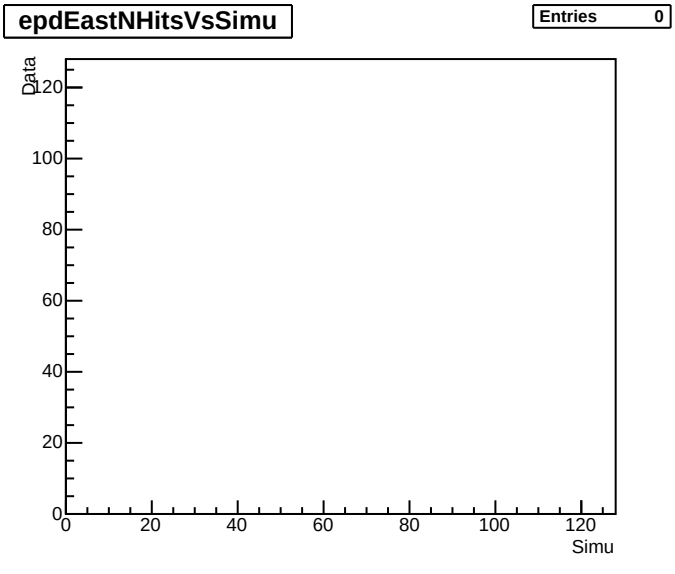

epdEastTac03
Entries 50000

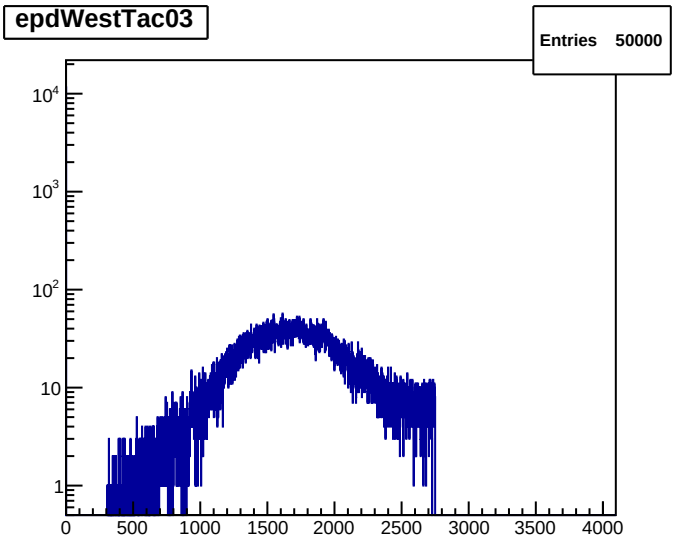

epdEastTac03VsSimu
Entries 0
Data
Simu

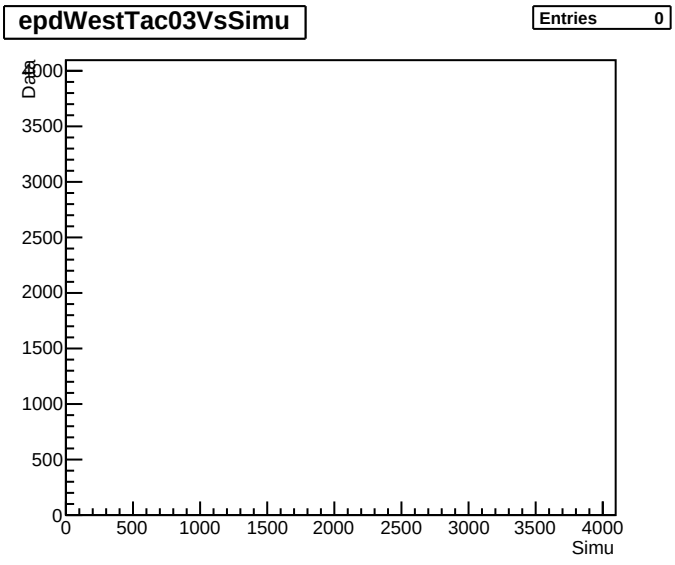

epdEastTac47
Entries 50000


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 50000


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 50000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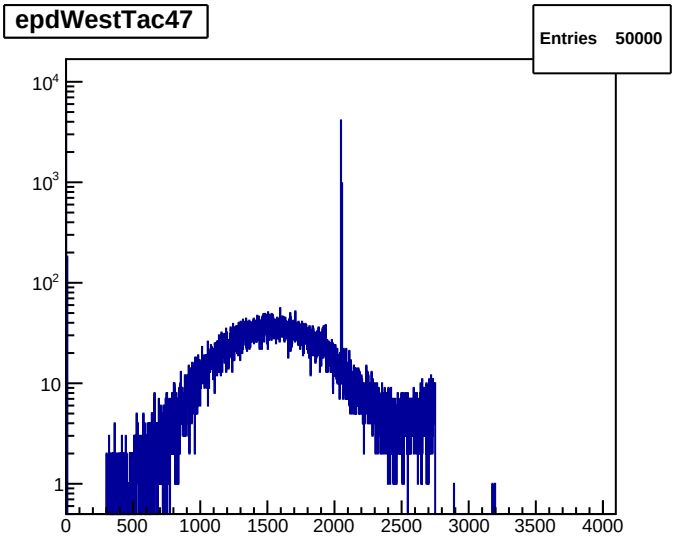
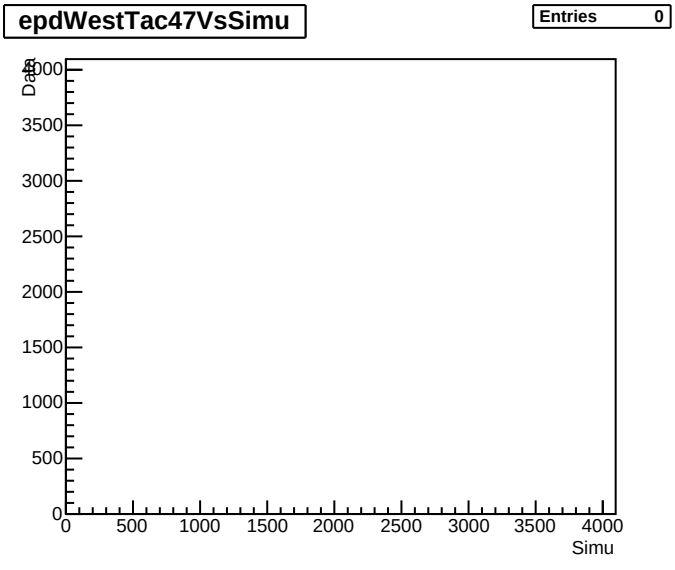
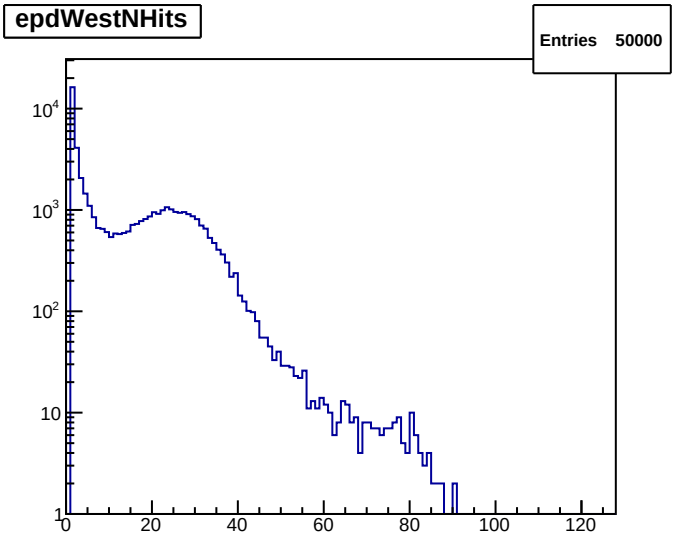
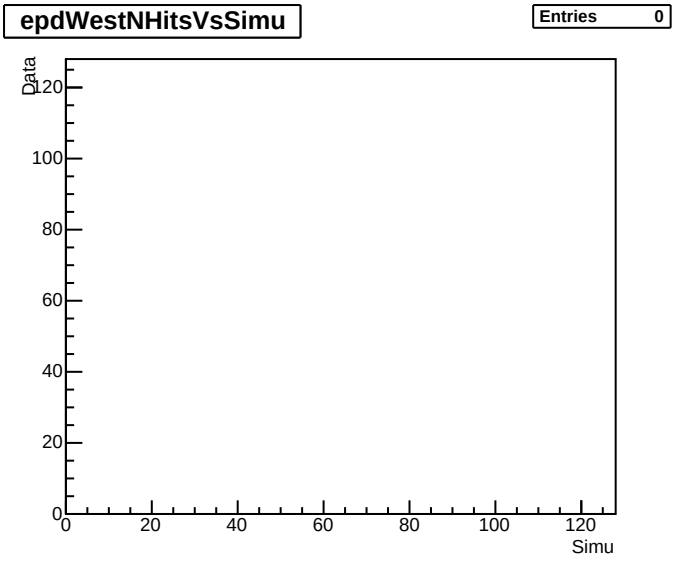
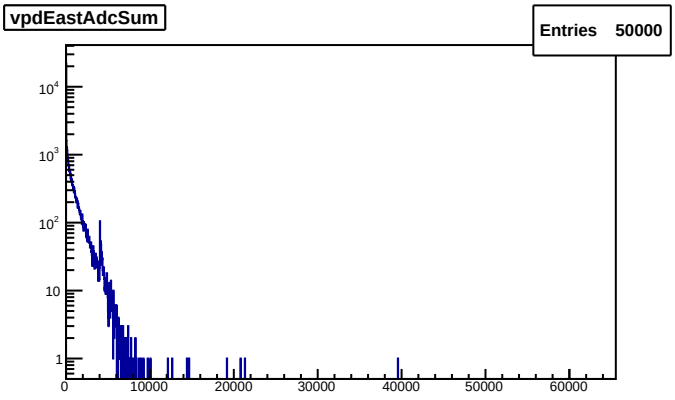
Entries 0
Data
Simu

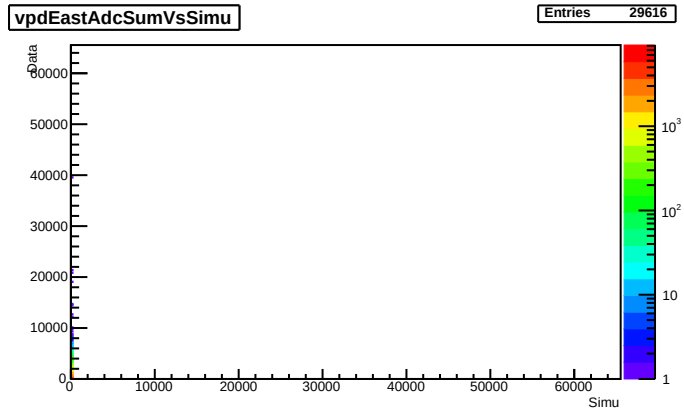

epdWestTac47
Entries 50000

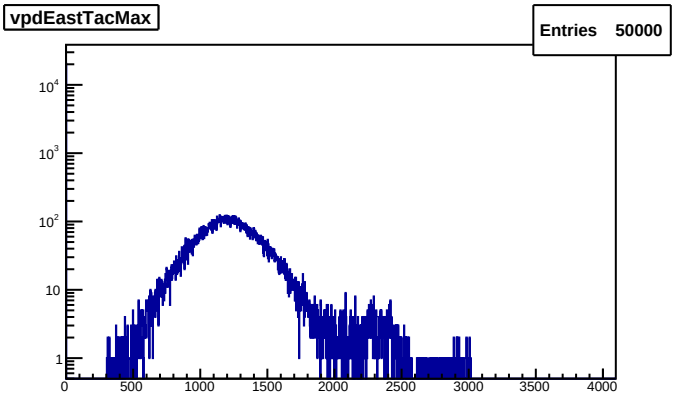

epdWestTac47VsSimu
Entries 0
Data
Simu

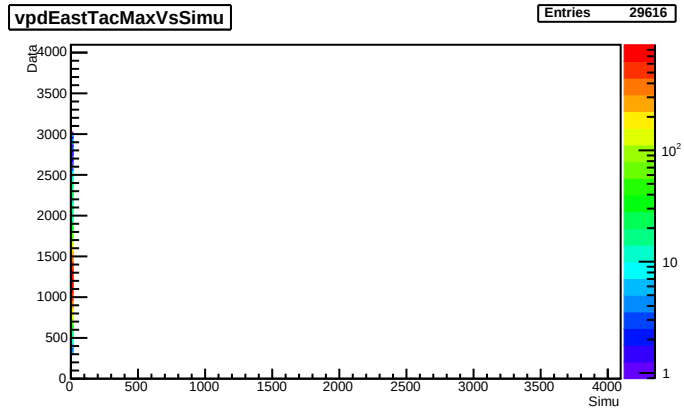

epdWestNHits
Entries 50000

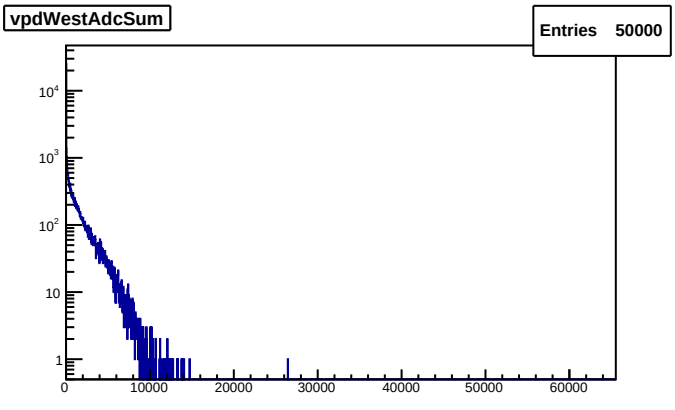

epdWestNHitsVsSimu
Entries 0
Data
Simu

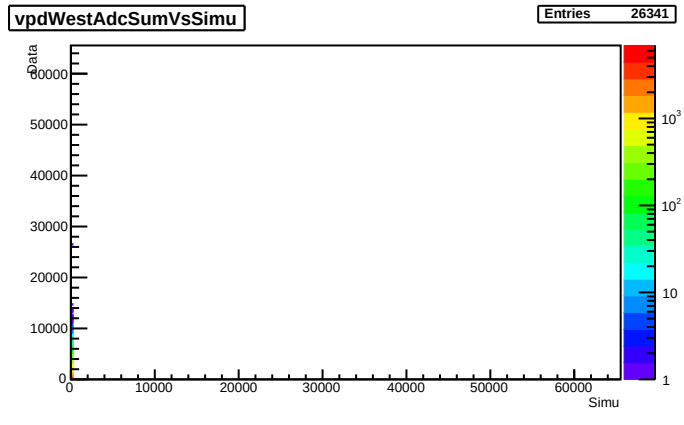

vpdEastAdcSum
Entries 50000

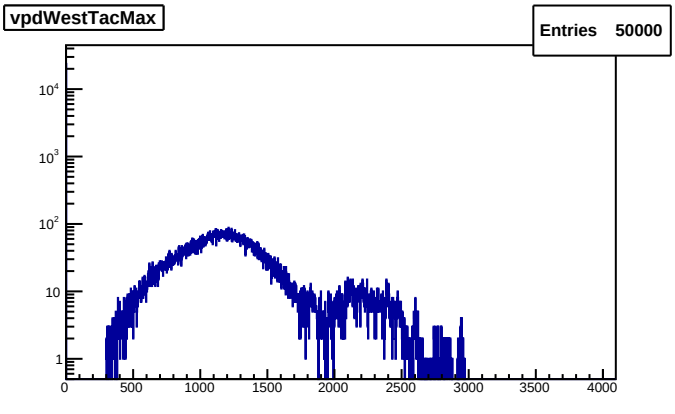

vpdEastAdcSumVsSimu
Entries 29616
Data
Simu

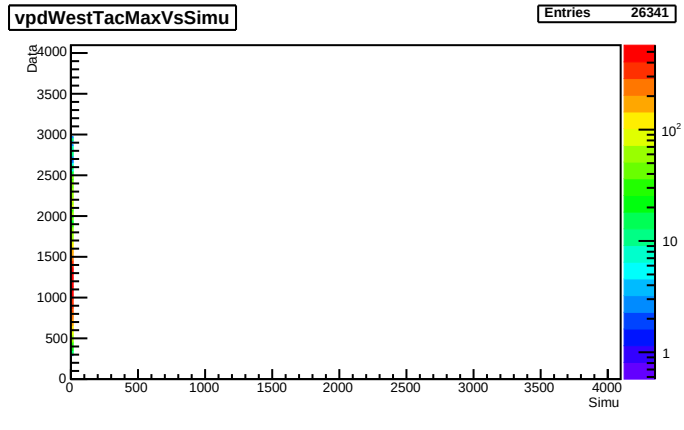

vpdEastTacMax
Entries 50000

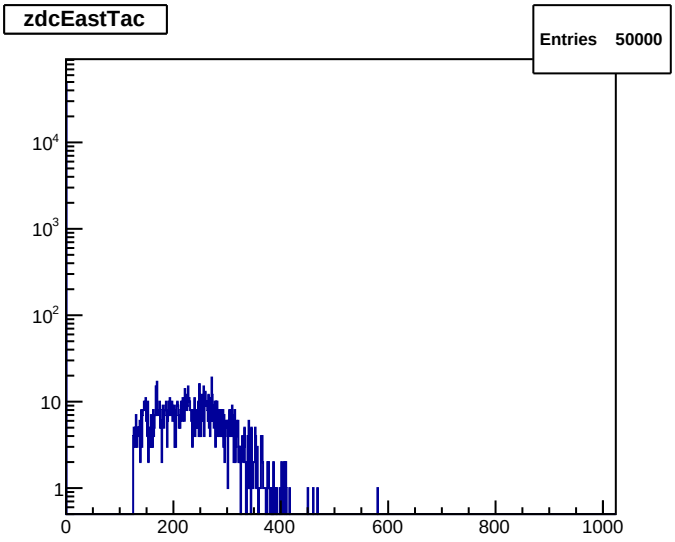

vpdEastTacMaxVsSimu
Entries 29616
Data
Simu

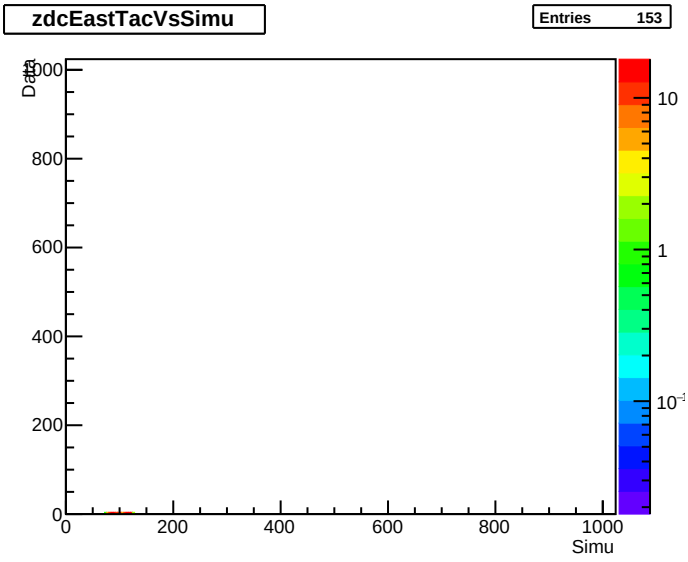

vpdWestAdcSum
Entries 50000

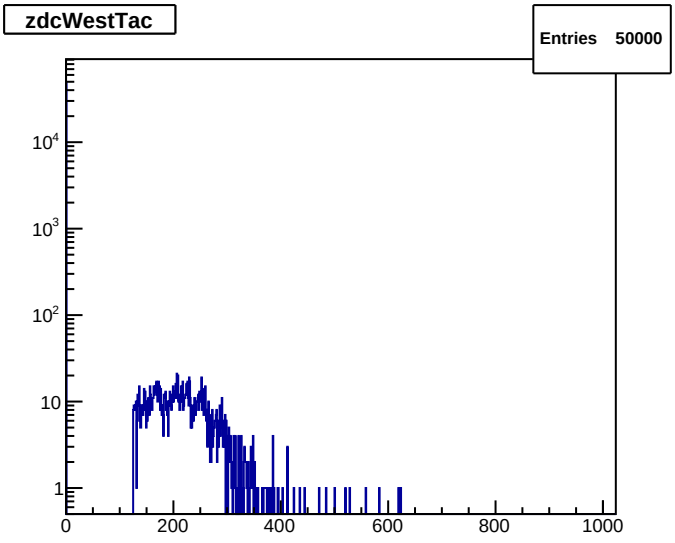

vpdWestAdcSumVsSimu
Entries 26341
Data
Simu

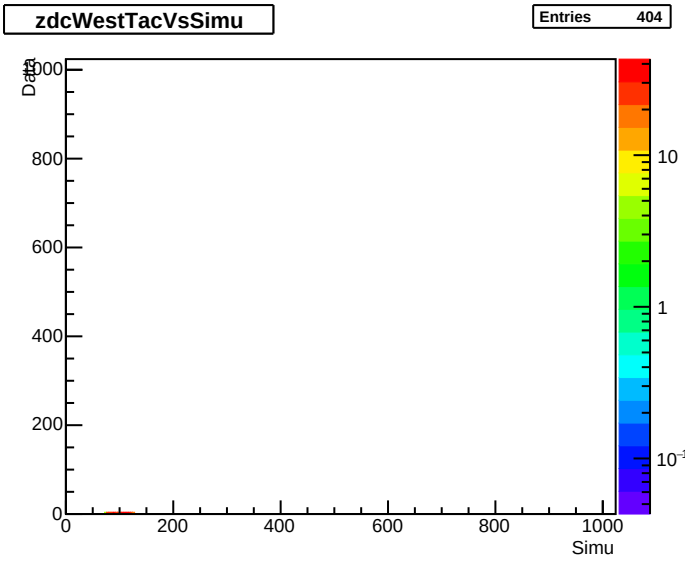

vpdWestTacMax
Entries 50000

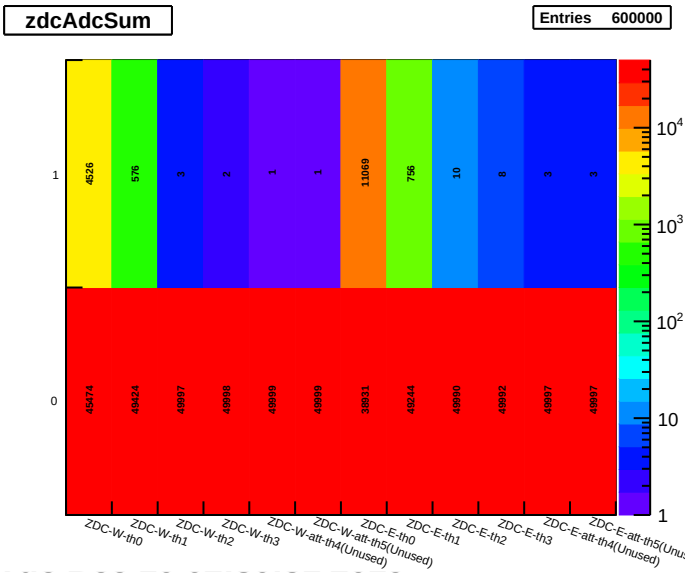

vpdWestTacMaxVsSimu
Entries 26341
Data
Simu

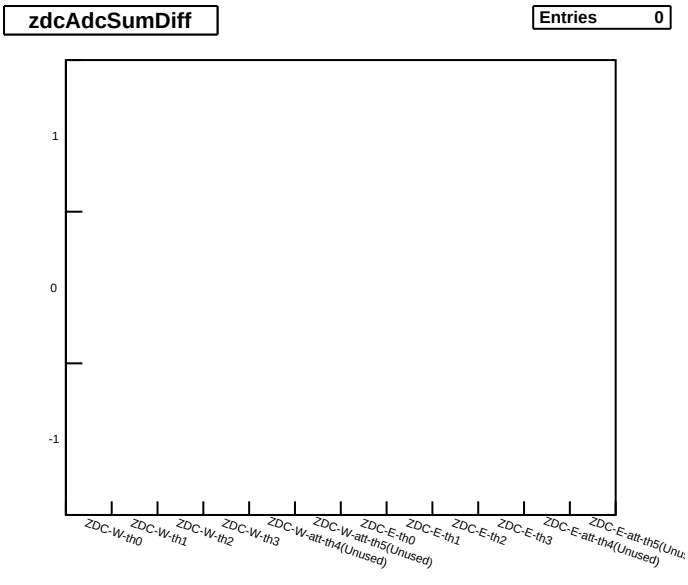

zdcEastTac
Entries 50000

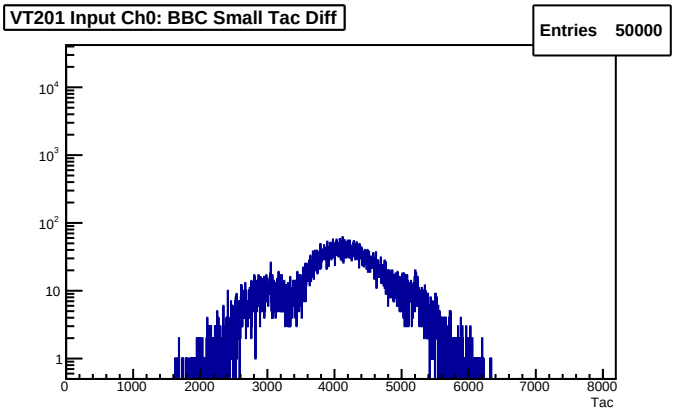

zdcEastTacVsSimu
Entries 153
Data
Simu

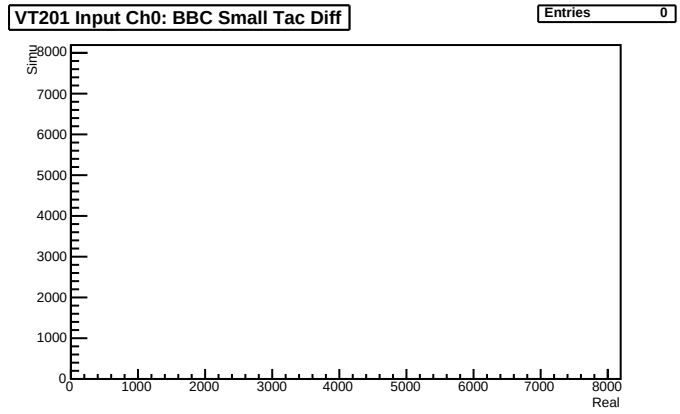

zdcWestTac
Entries 50000

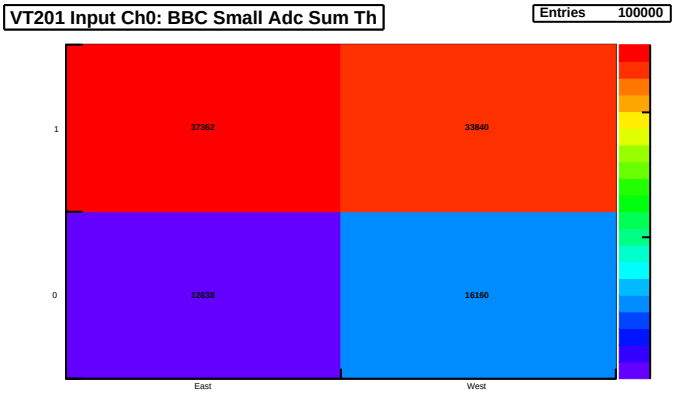

zdcWestTacVsSimu
Entries 404
Data
Simu

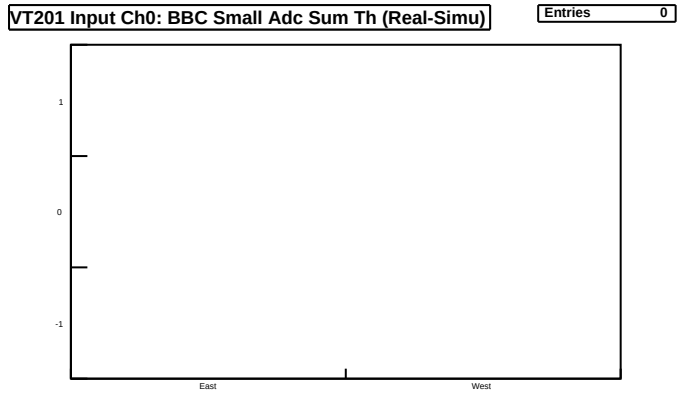

zdcAdcSum
Entries 600000
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

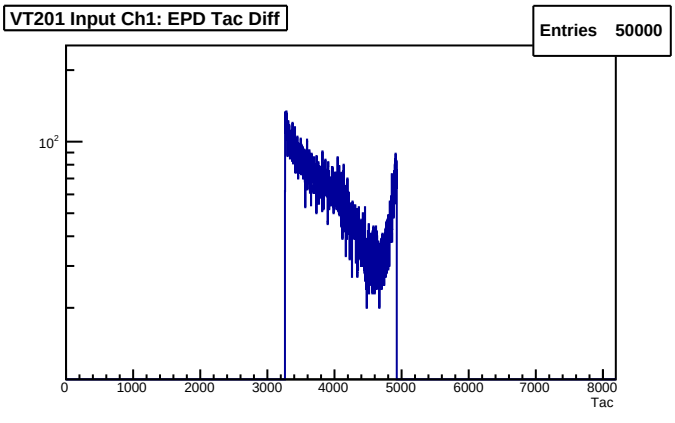

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

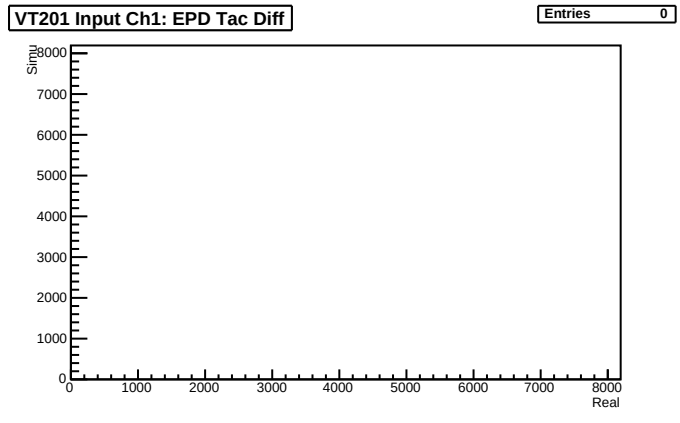

VT201 Input Ch0: BBC Small Tac Diff
Entries 50000
Tac

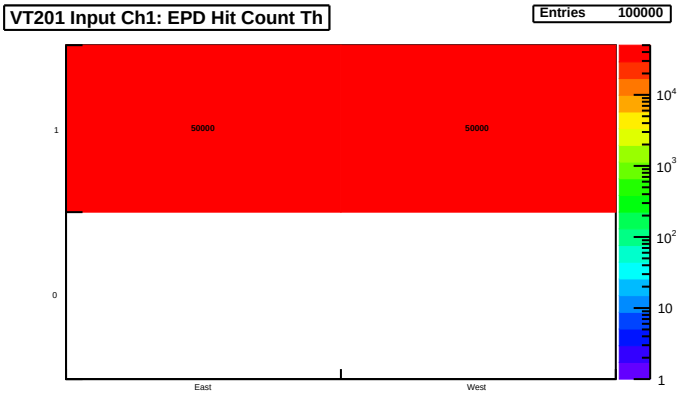

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

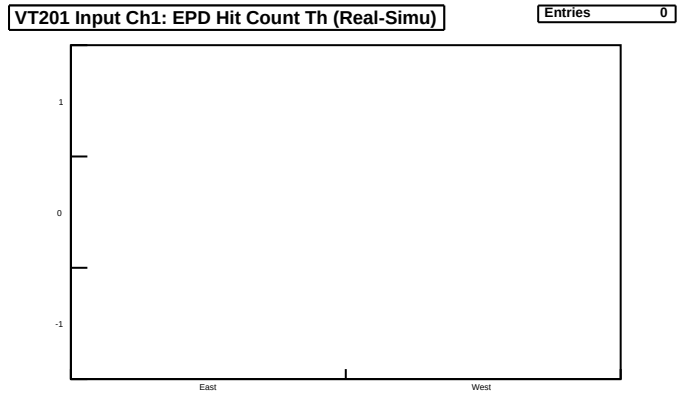

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 100000
37362
33840
12638
16160
East
West

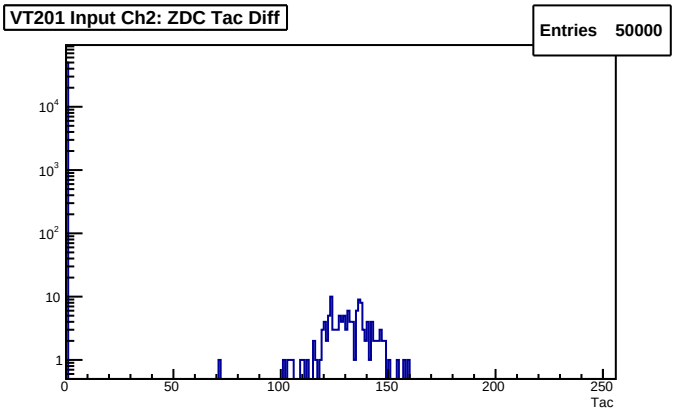

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

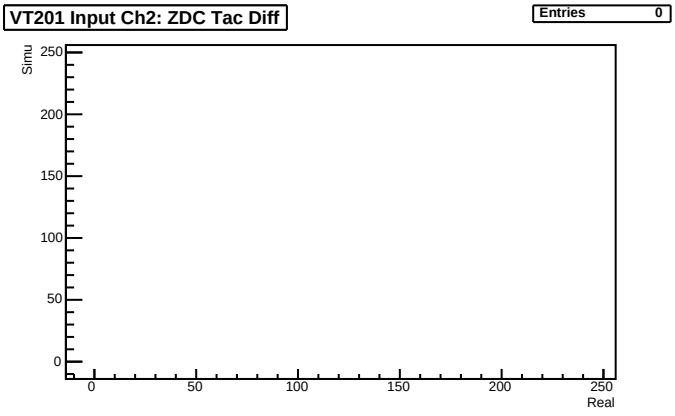

VT201 Input Ch1: EPD Tac Diff
Entries 50000
Tac

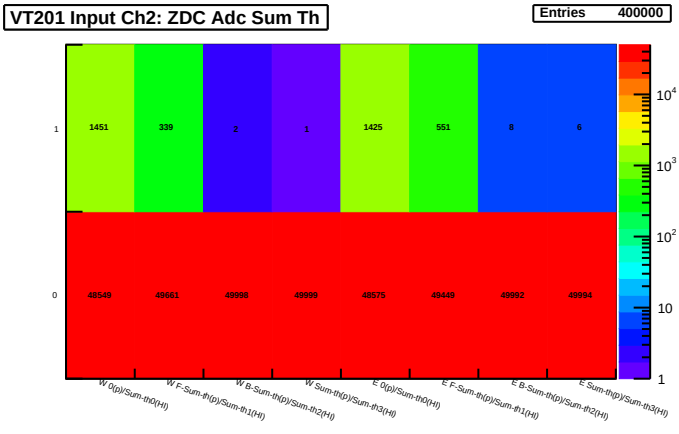

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

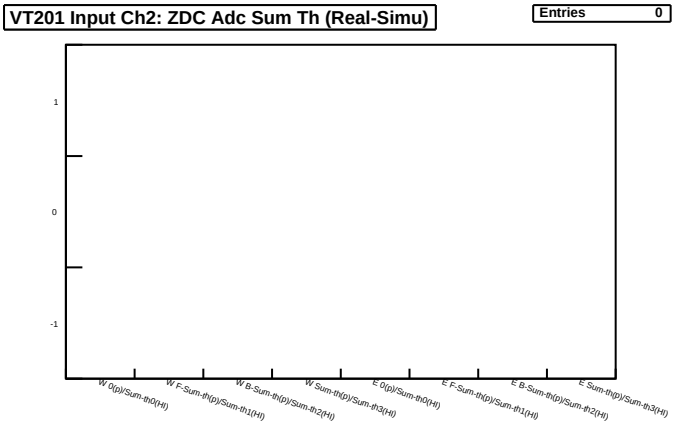

VT201 Input Ch1: EPD Hit Count Th
Entries 100000
50000
50000
East
West

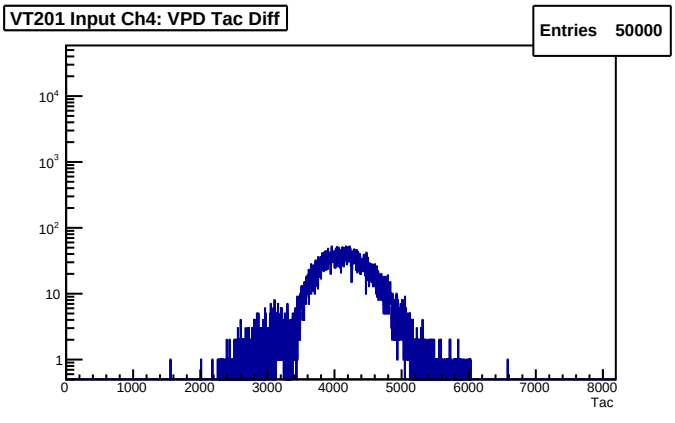

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

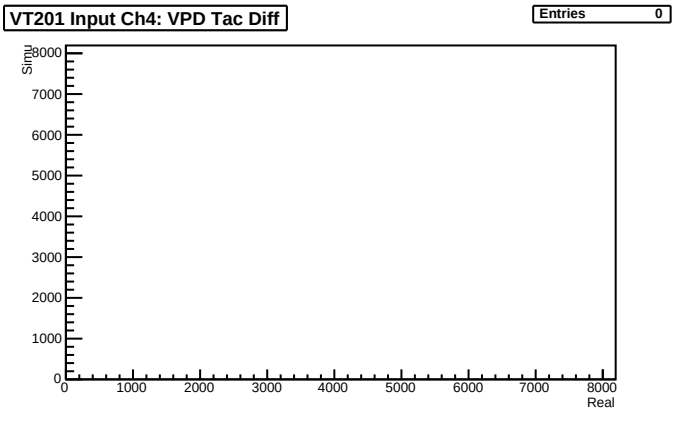

VT201 Input Ch2: ZDC Tac Diff
Entries 50000
Tac

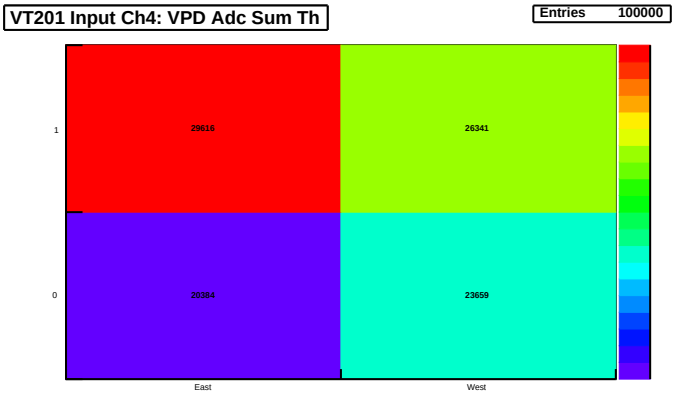

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

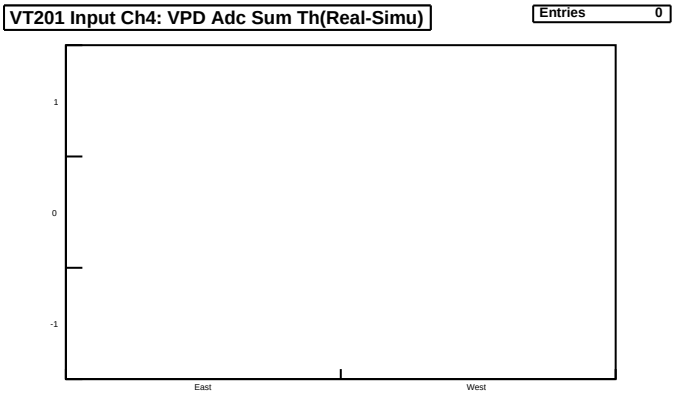

VT201 Input Ch2: ZDC Adc Sum Th
Entries 400000
1451
339
2
1
1425
551
8
6
48549
49661
49998
49999
48575
49449
49992
49994
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

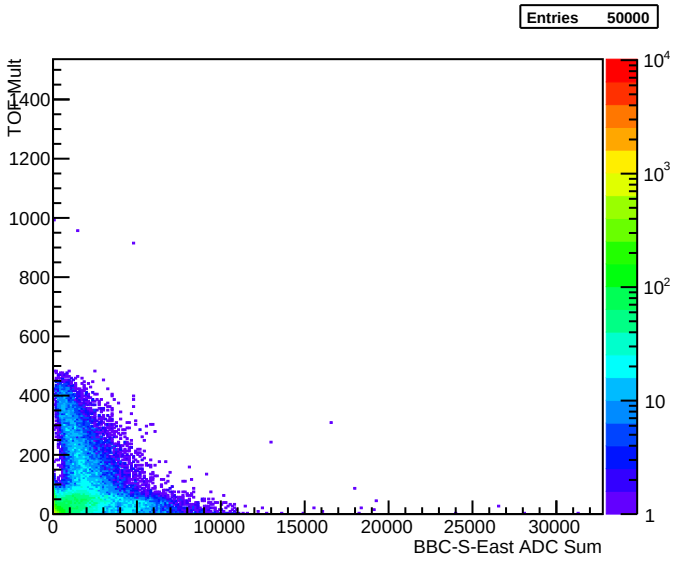

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

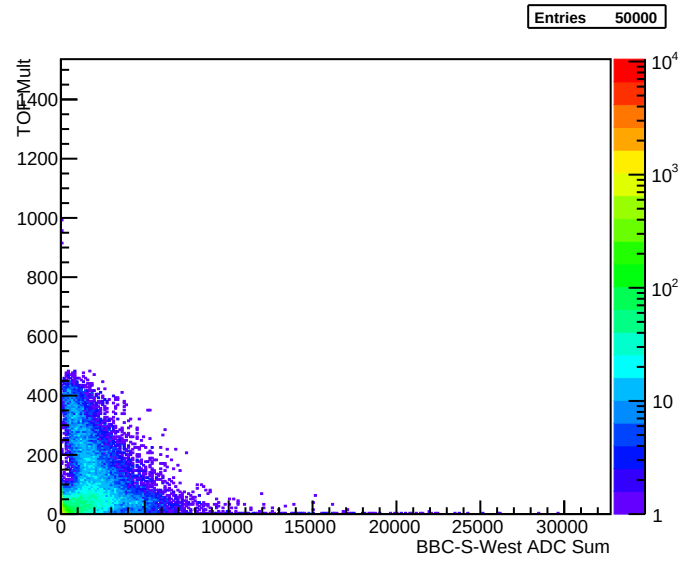

VT201 Input Ch4: VPD Tac Diff
Entries 50000
Tac

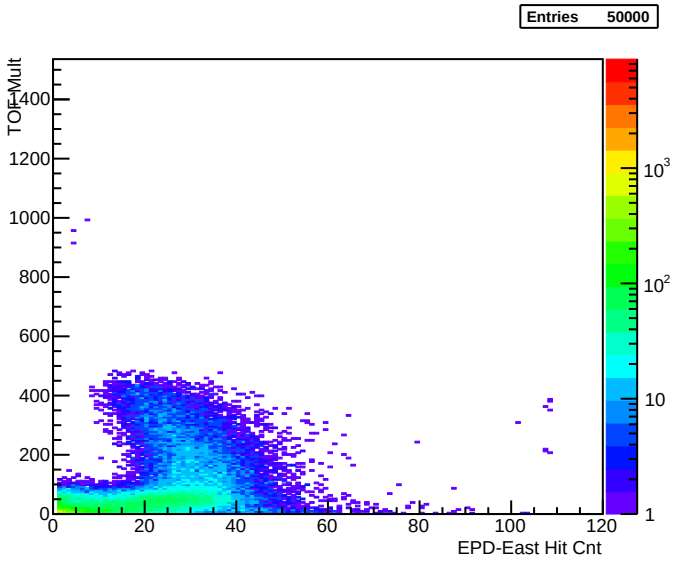

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

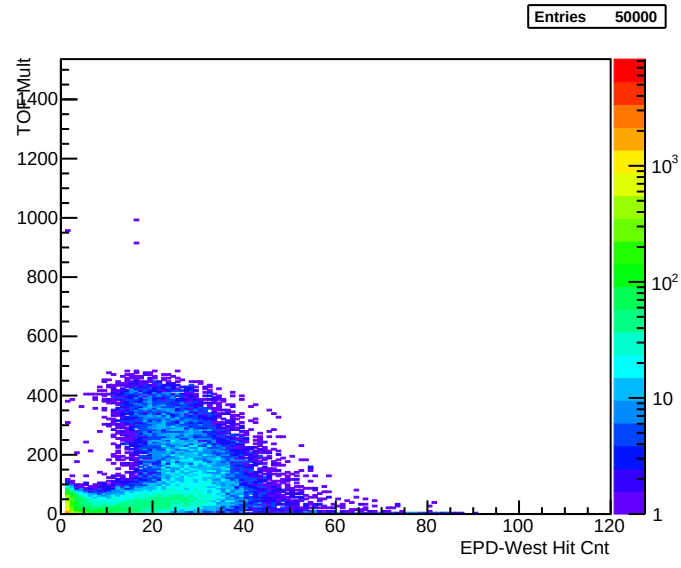

VT201 Input Ch4: VPD Adc Sum Th
Entries 100000
29616
26341
20384
23659
East
West

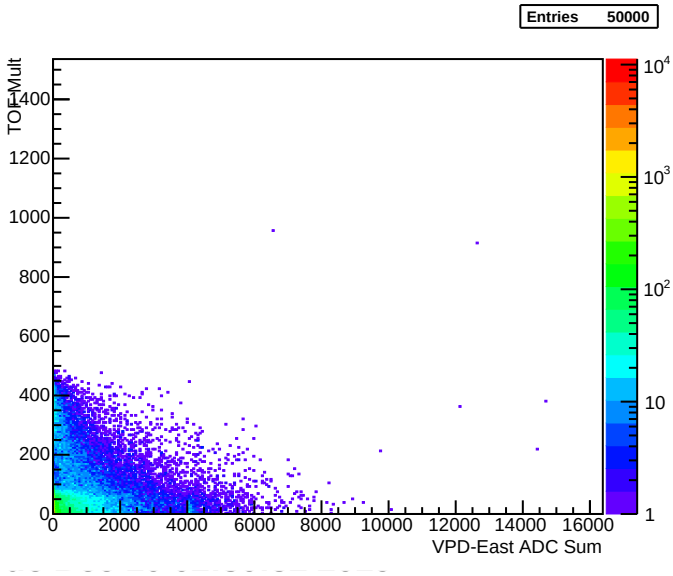

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

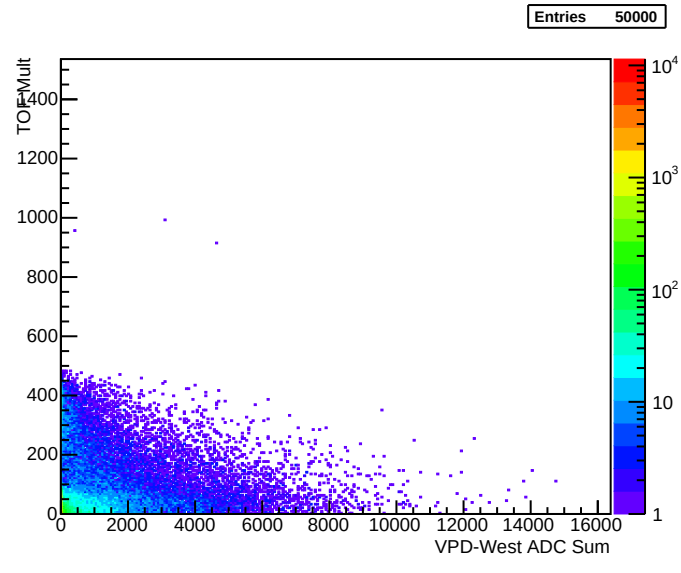

Entries 50000
TOF-Mult
BBC-S-East ADC Sum

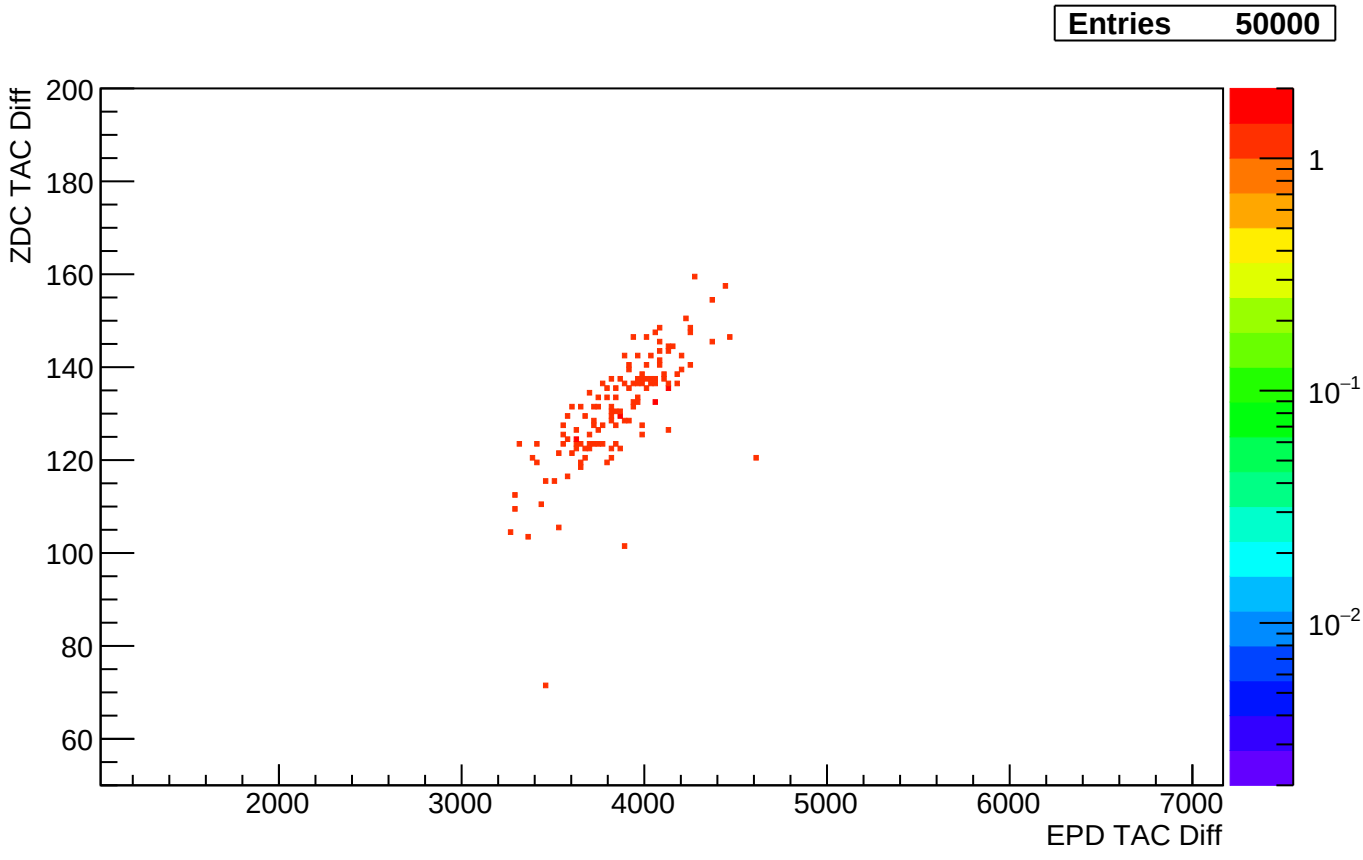

Entries 50000
TOF-Mult
BBC-S-West ADC Sum

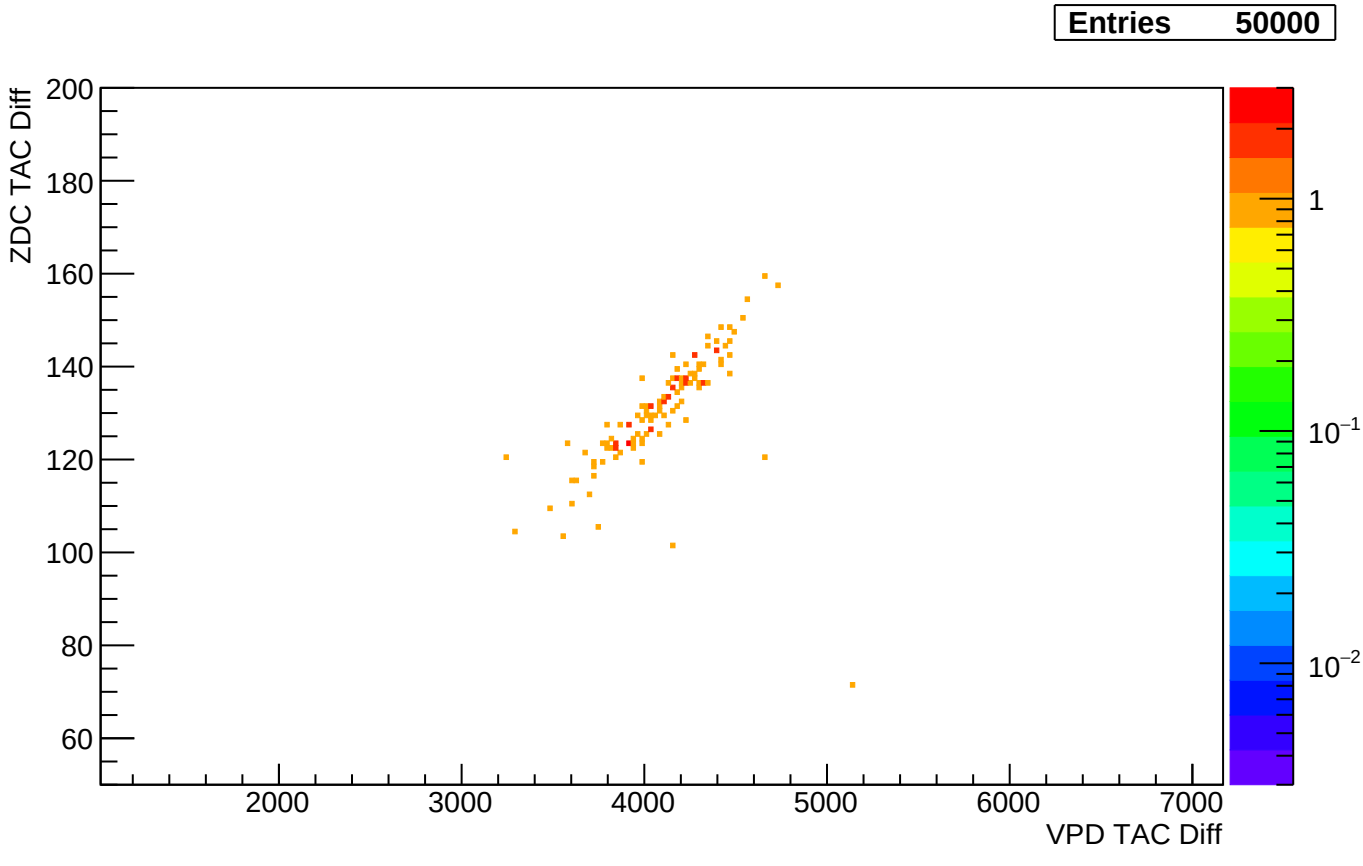

Entries 50000
TOF-Mult
EPD-East Hit Cnt

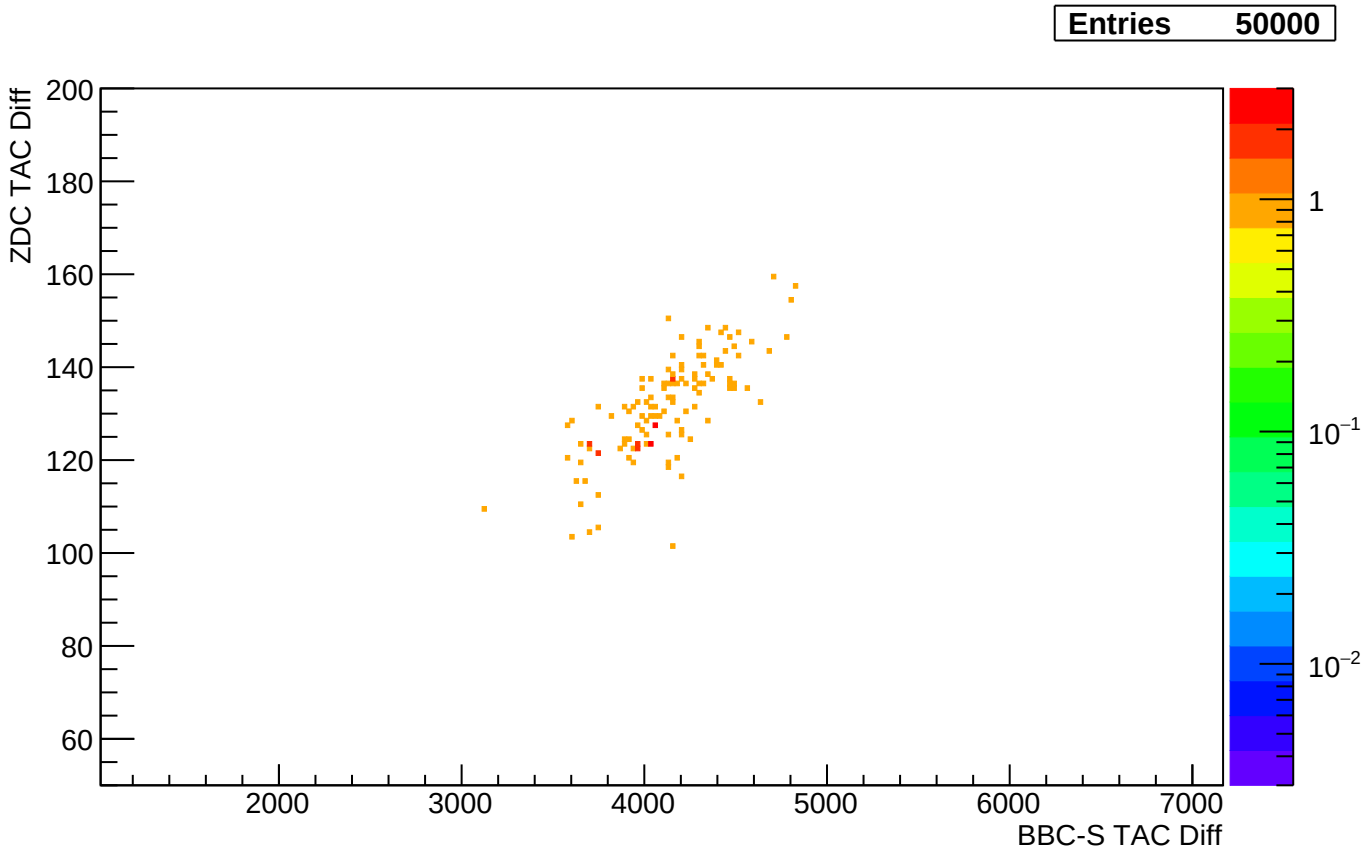

Entries 50000
TOF-Mult
EPD-West Hit Cnt

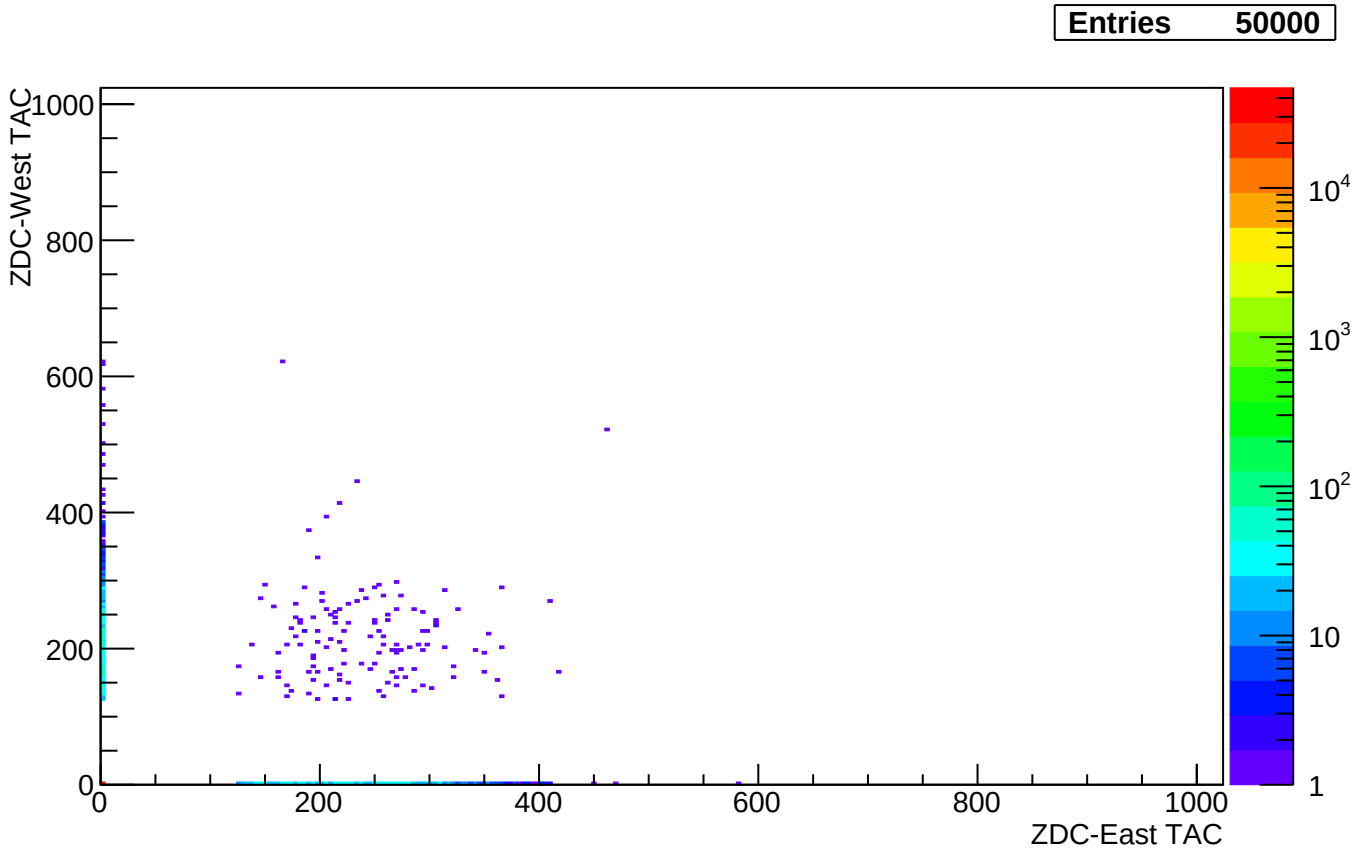

Entries 50000
TOF-Mult
VPD-East ADC Sum

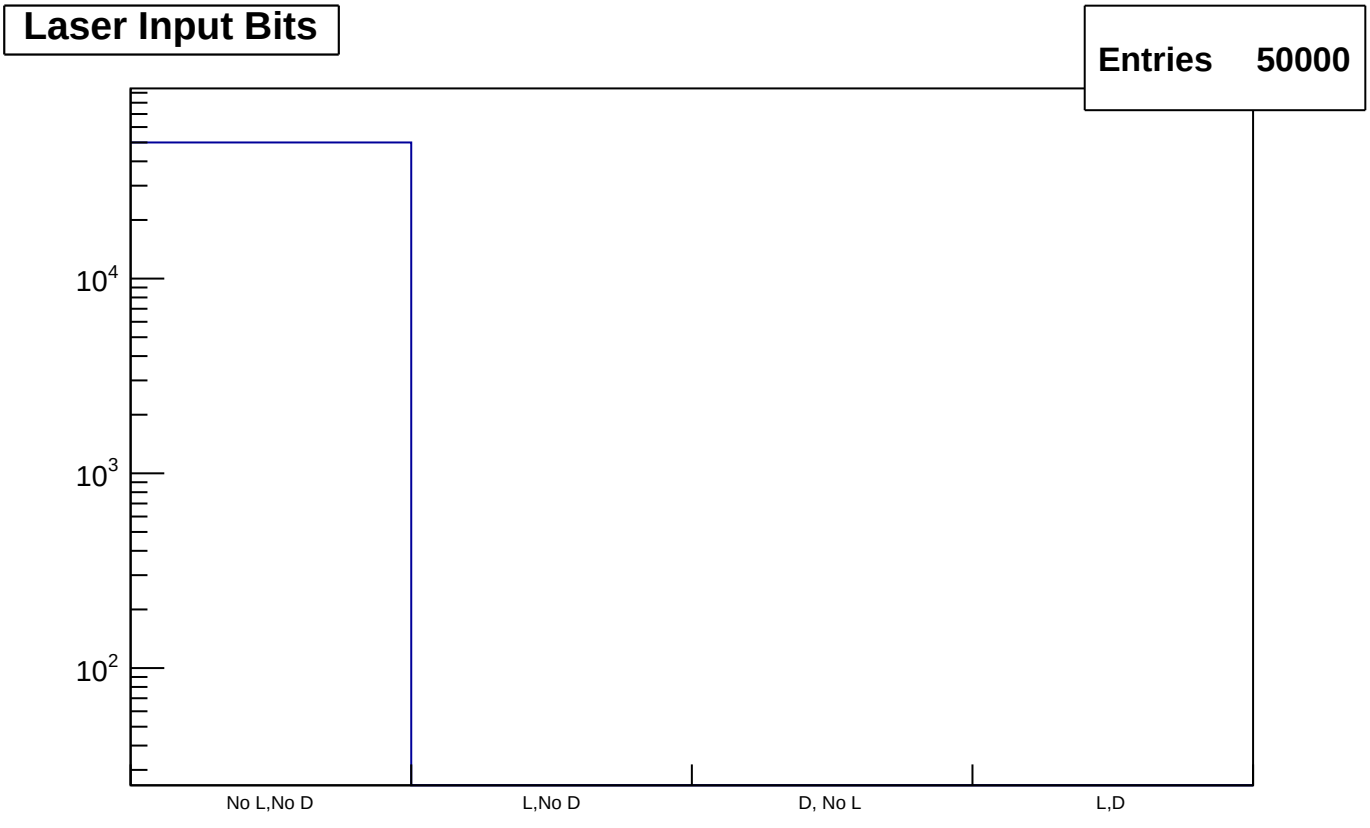

Entries 50000
TOF-Mult
VPD-West ADC Sum

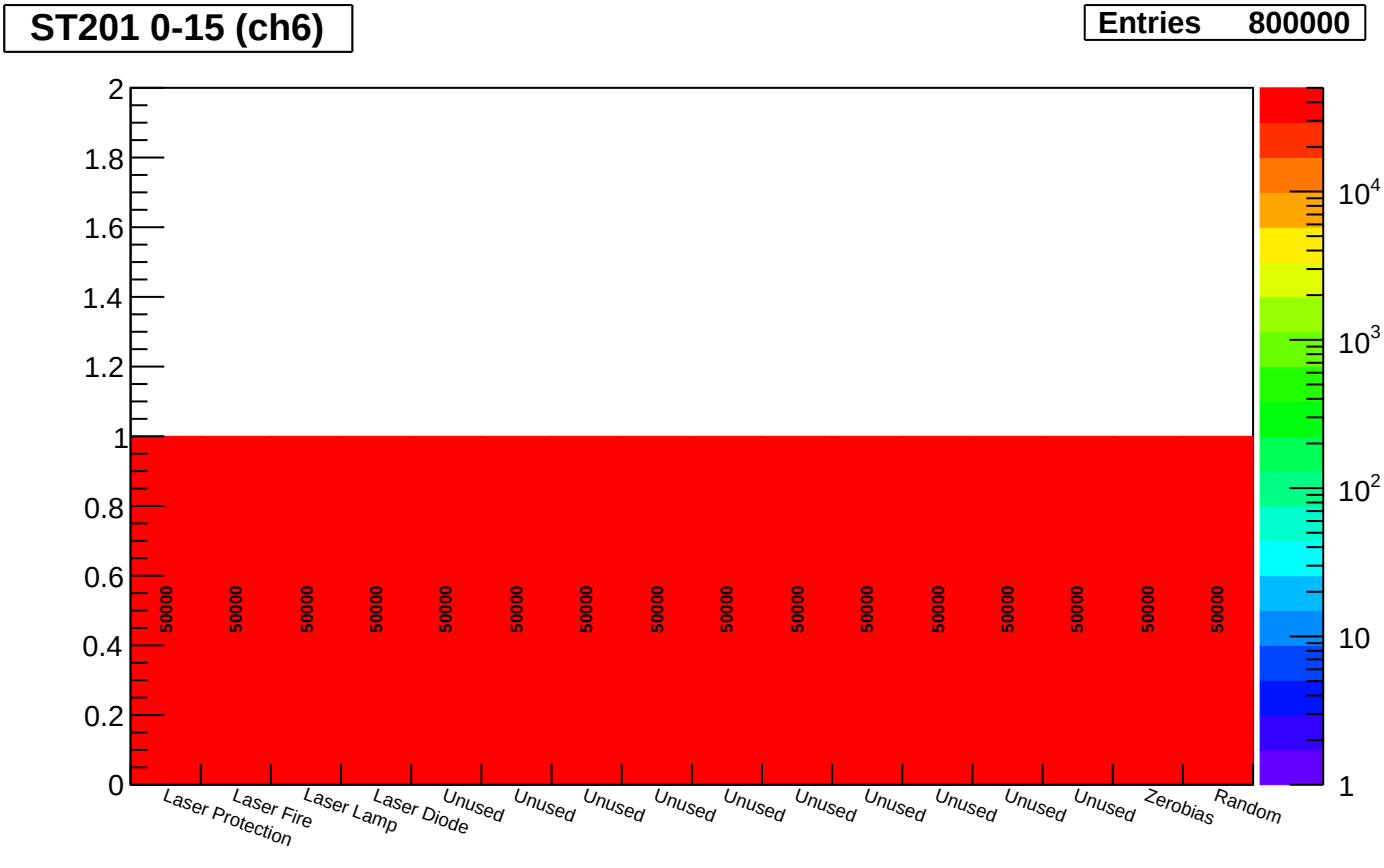

Entries 50000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

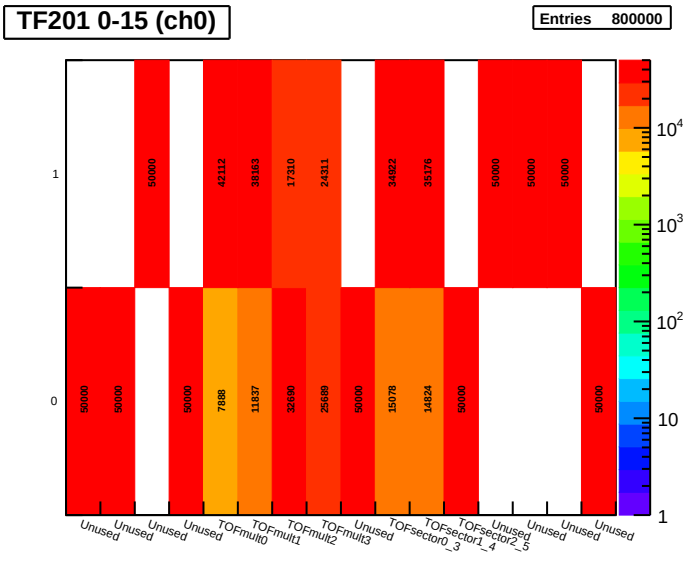

Entries 50000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

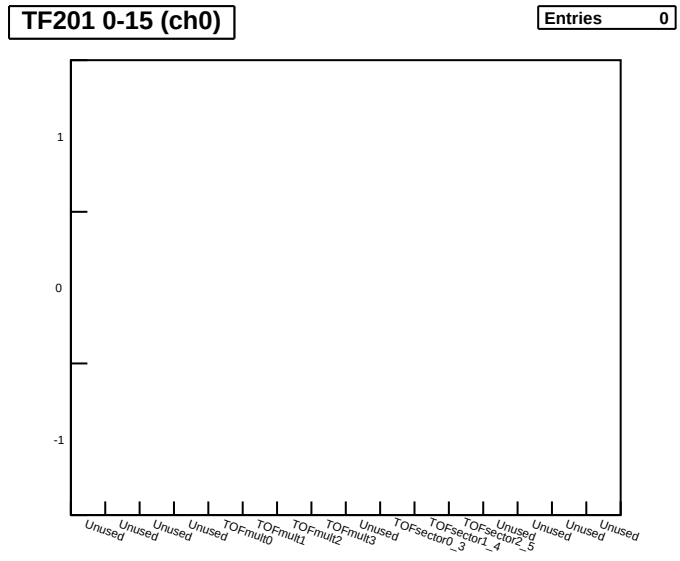

Entries 50000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

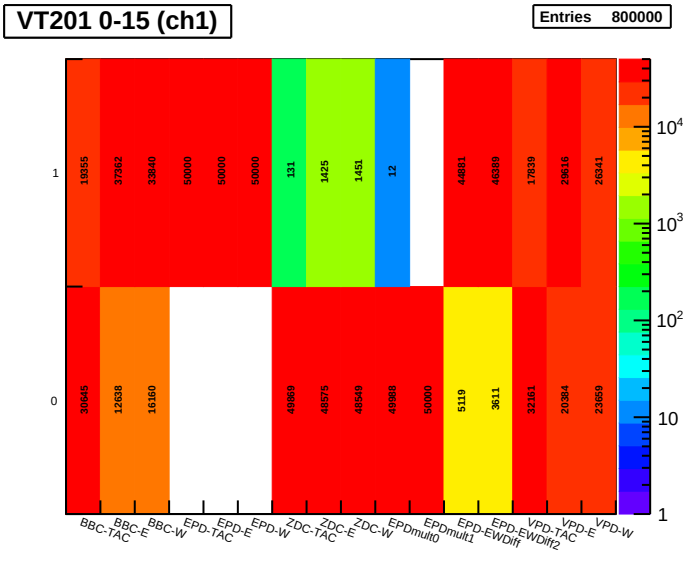

Entries 50000
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

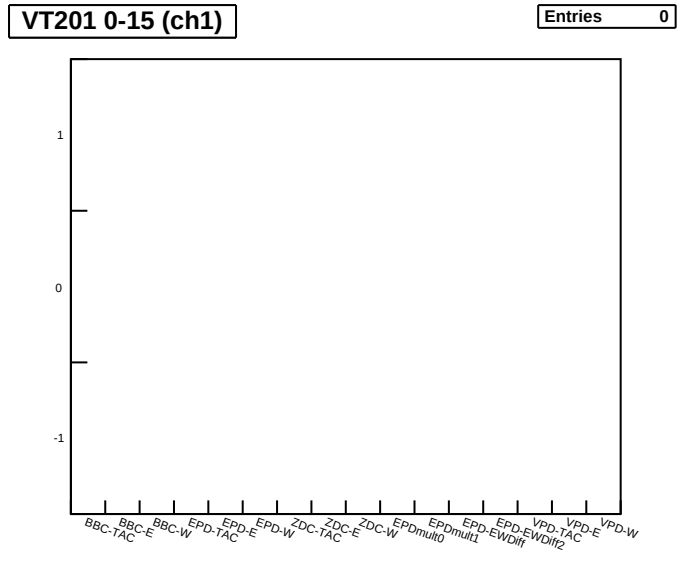

Laser Input Bits
Entries 50000
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

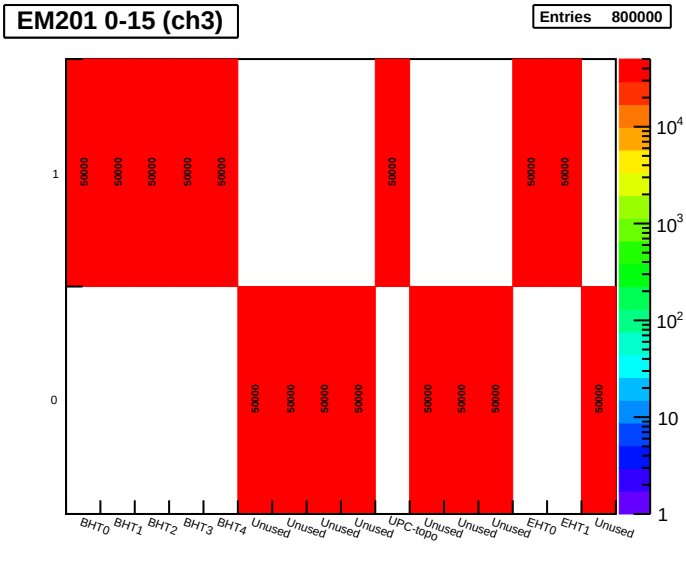

ST201 0-15 (ch6)
Entries 800000
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
50000
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

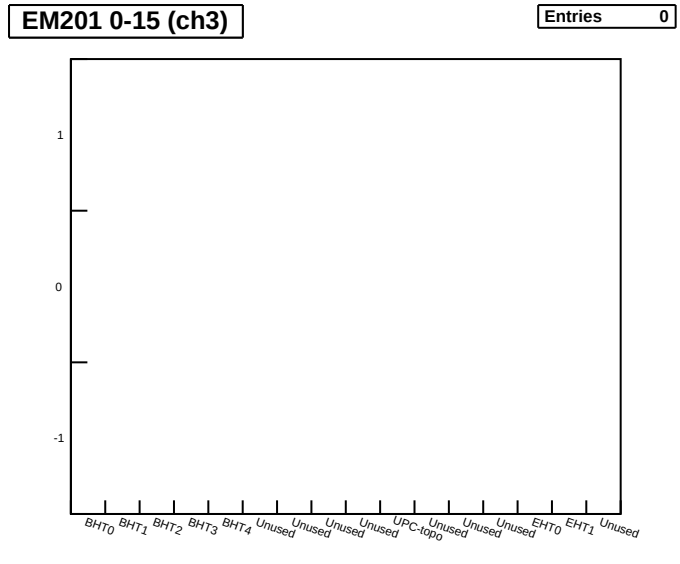

TF201 0-15 (ch0)
Entries 800000
1
0
50000
42112
38163
17310
24311
34922
35176
50000
50000
50000
50000
50000
50000
7888
11837
32690
25689
50000
15078
14824
50000
50000
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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


VT201 0-15 (ch1)
Entries 800000
1
0
13355
37362
33840
50000
50000
50000
131
1425
1451
12
44851
45389
17639
28616
26341
30645
12638
16160
49869
48575
48549
49988
50000
5119
3611
32161
20384
23659
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
10^4
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 800000
1
0
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
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