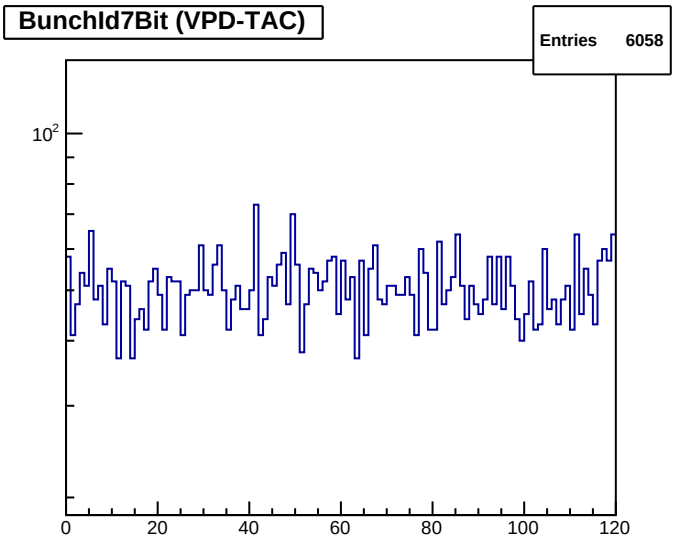
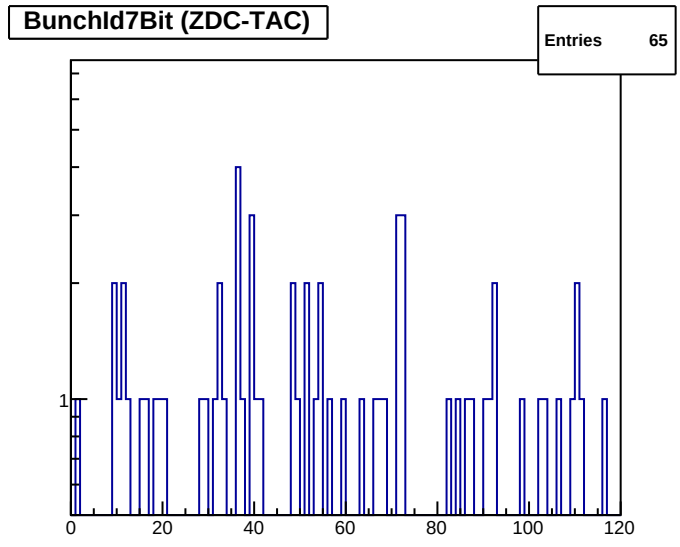
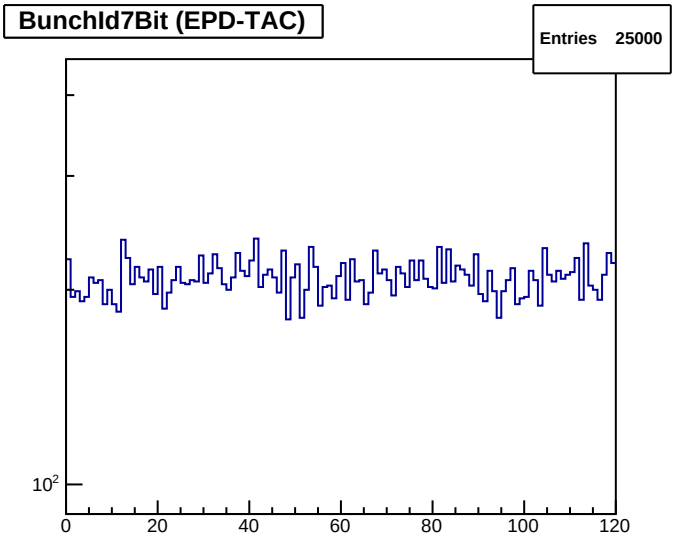
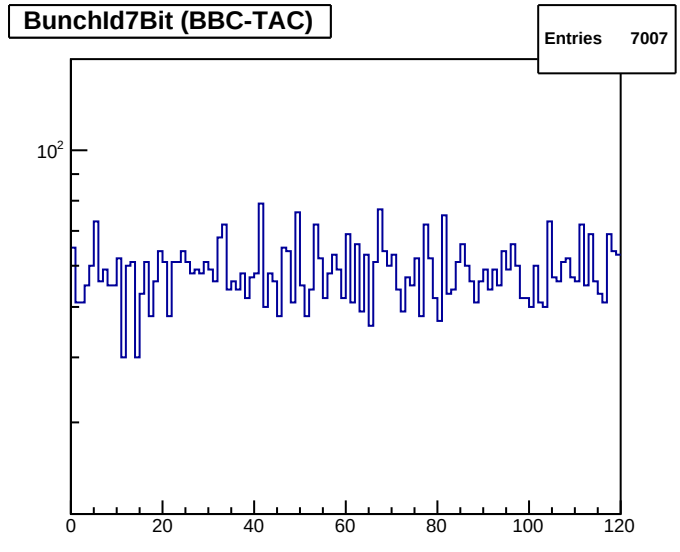
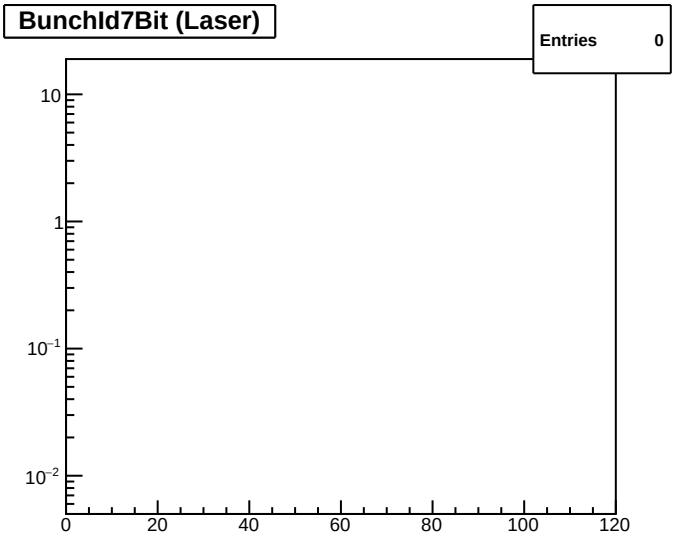
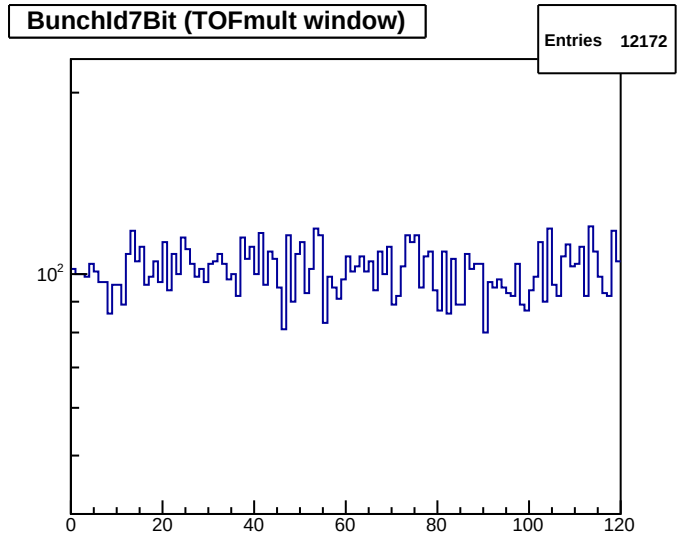

BunchId7Bit (VPD-TAC)
Entries 6058
10^2
0 20 40 60 80 100 120

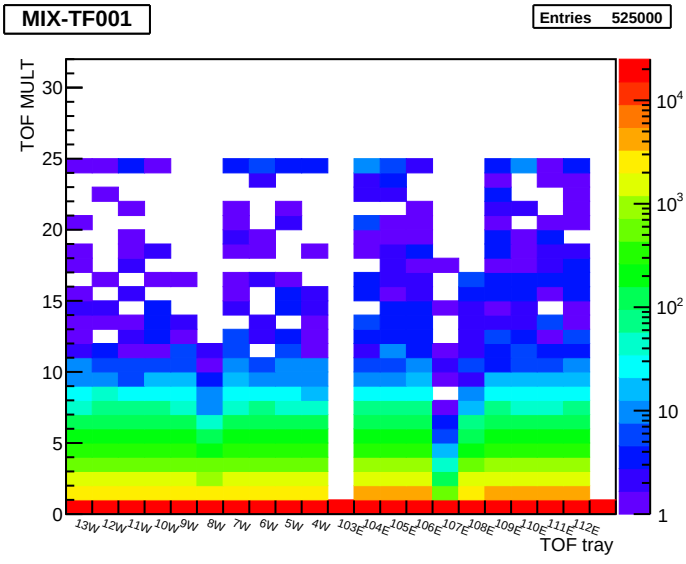

BunchId7Bit (ZDC-TAC)
Entries 65
1
0 20 40 60 80 100 120

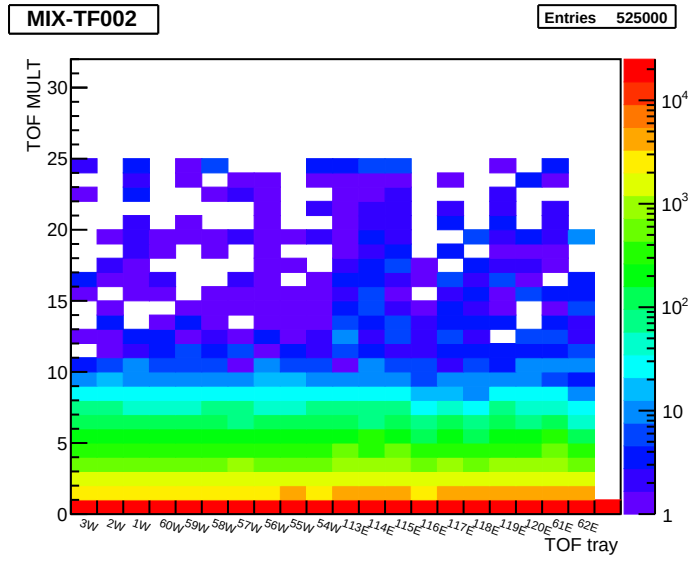

BunchId7Bit (EPD-TAC)
Entries 25000
10^2
0 20 40 60 80 100 120

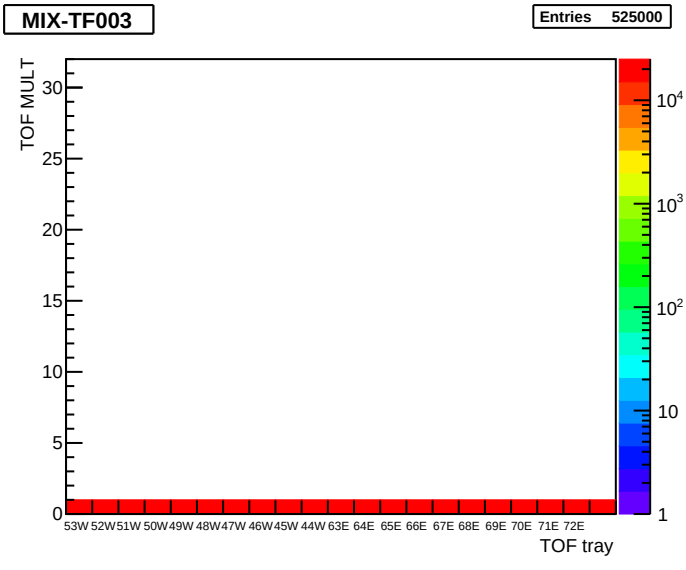

BunchId7Bit (BBC-TAC)
Entries 7007
10^2
0 20 40 60 80 100 120

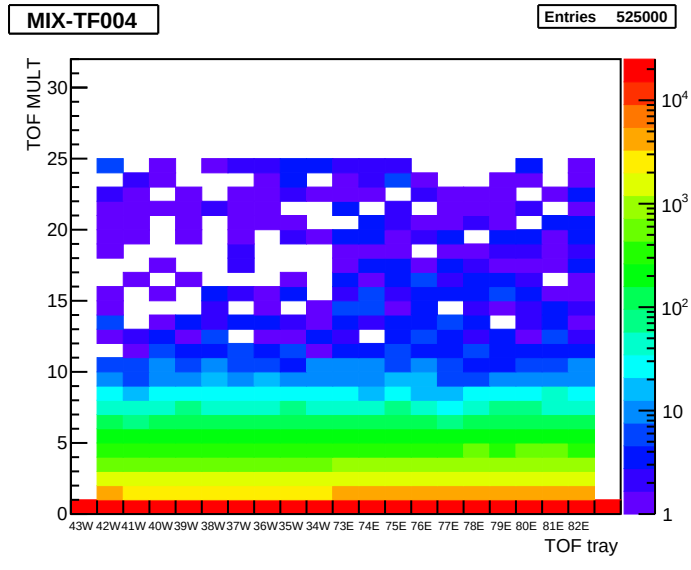

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

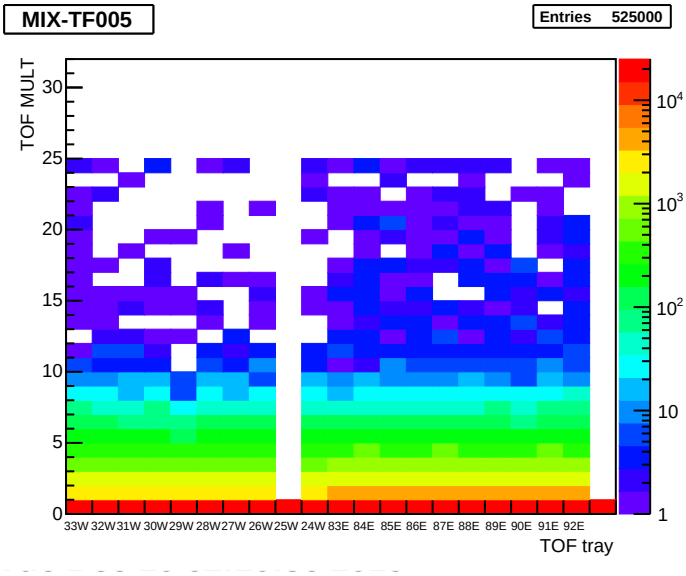

BunchId7Bit (TOFmult window)
Entries 12172
10^2
0 20 40 60 80 100 120

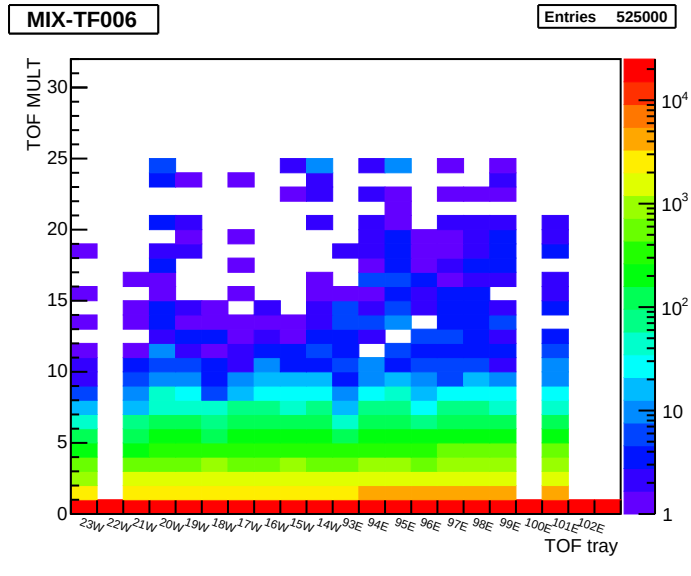

MIX-TF001
Entries 525000
TOF MULT
TOF tray

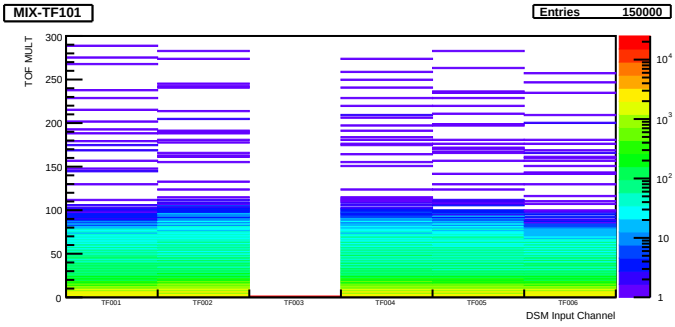

MIX-TF002
Entries 525000
TOF MULT
TOF tray

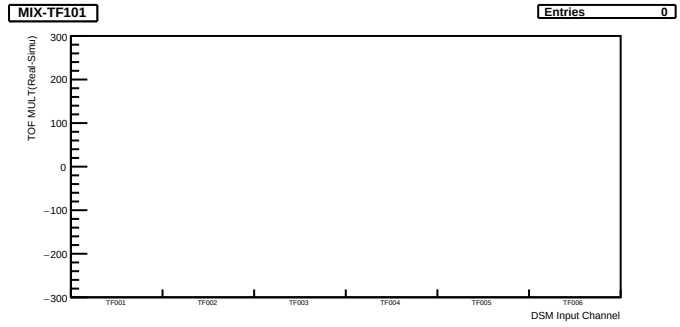

MIX-TF003
Entries 525000
TOF MULT
TOF tray

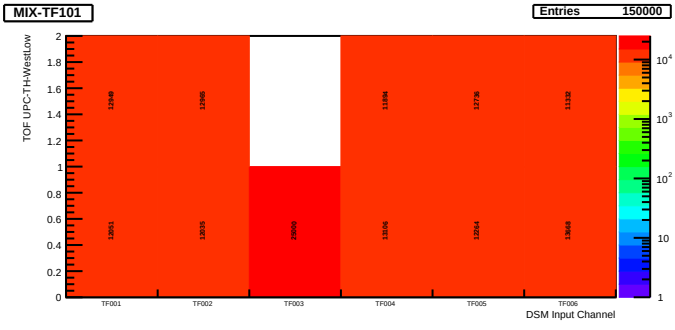

MIX-TF004
Entries 525000
TOF MULT
TOF tray

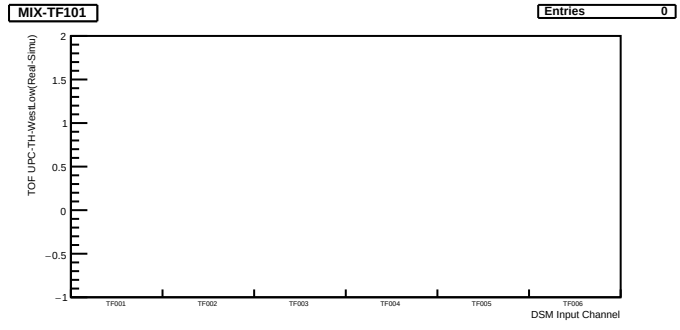

MIX-TF005
Entries 525000
TOF MULT
TOF tray

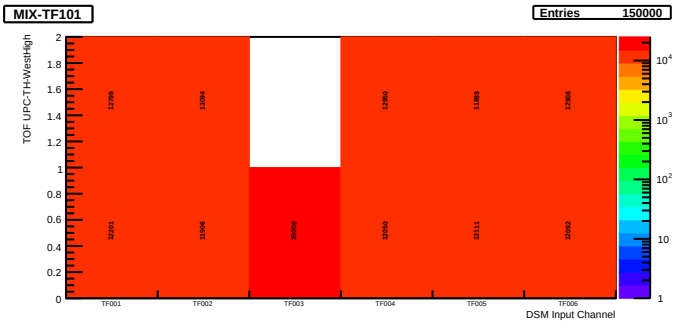

MIX-TF006
Entries 525000
TOF MULT
TOF tray

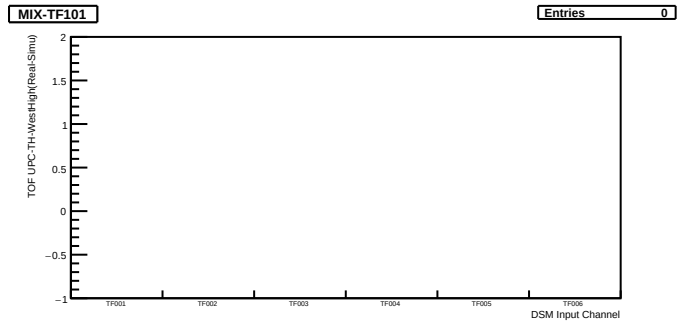

MIX-TF101
Entries 150000
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

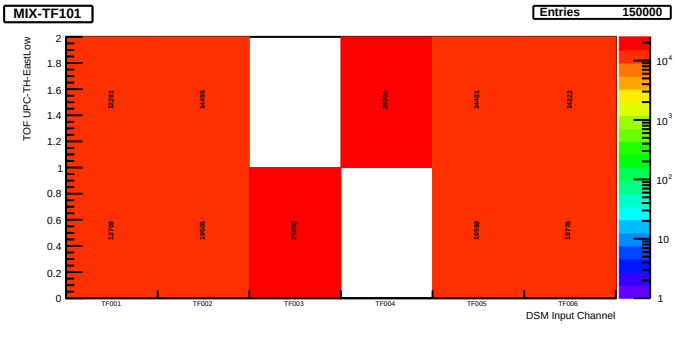

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

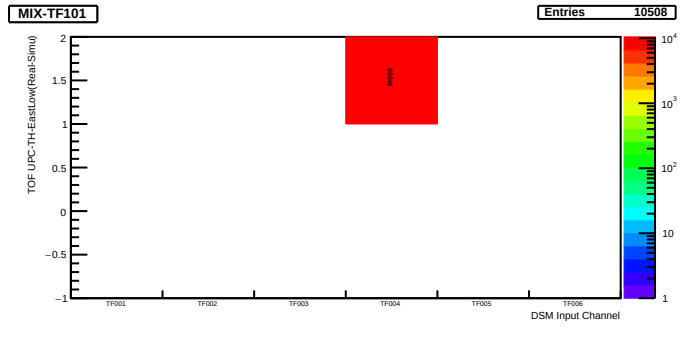

MIX-TF101
Entries 150000
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

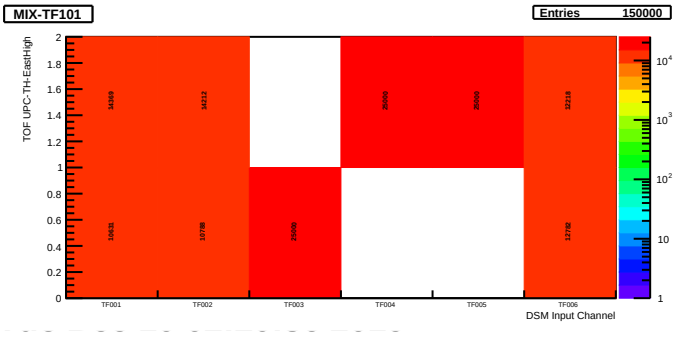

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

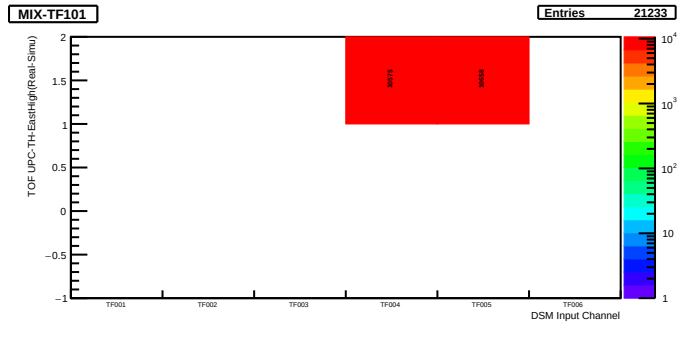

MIX-TF101
Entries 150000
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

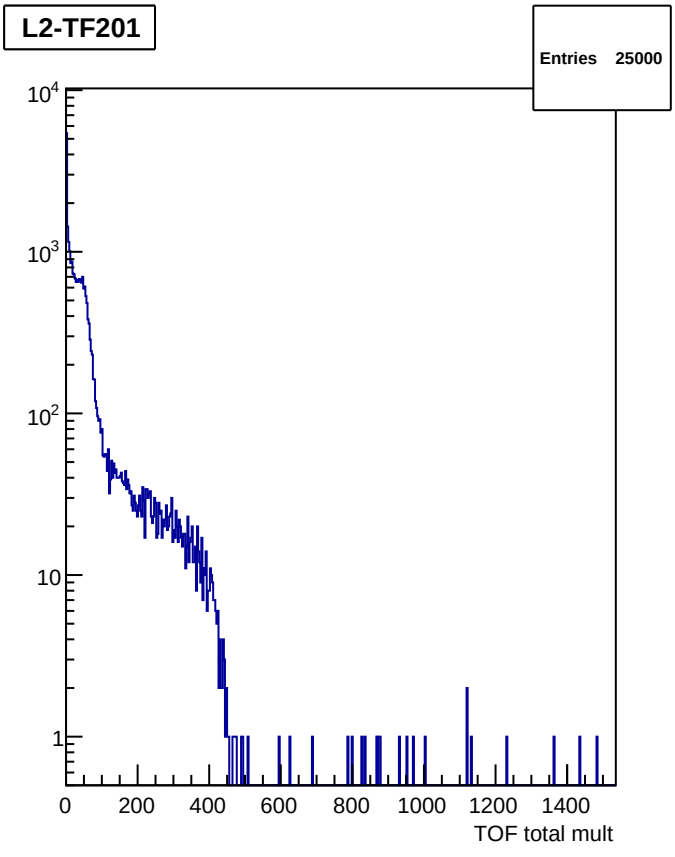

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

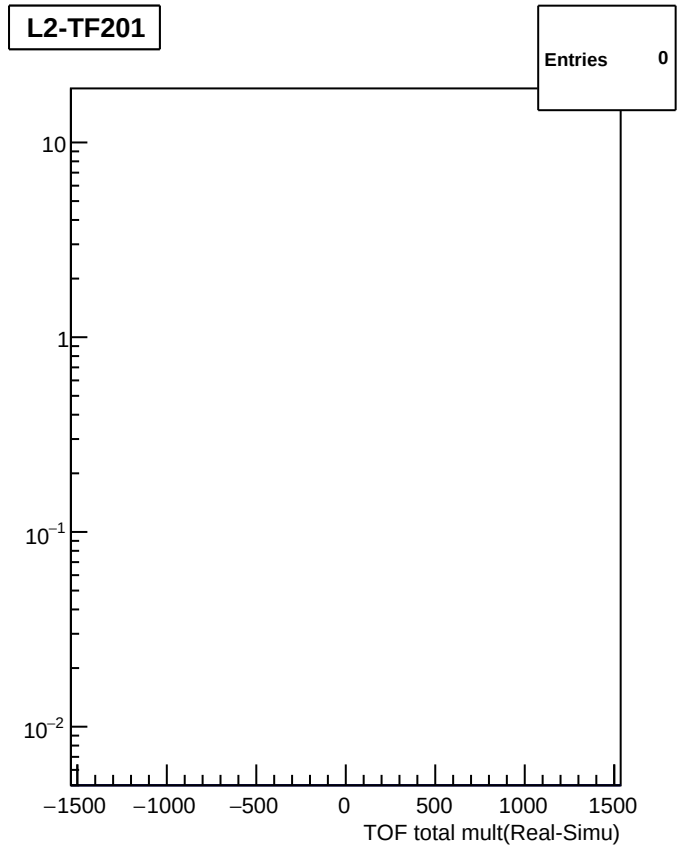

MIX-TF101
Entries 150000
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

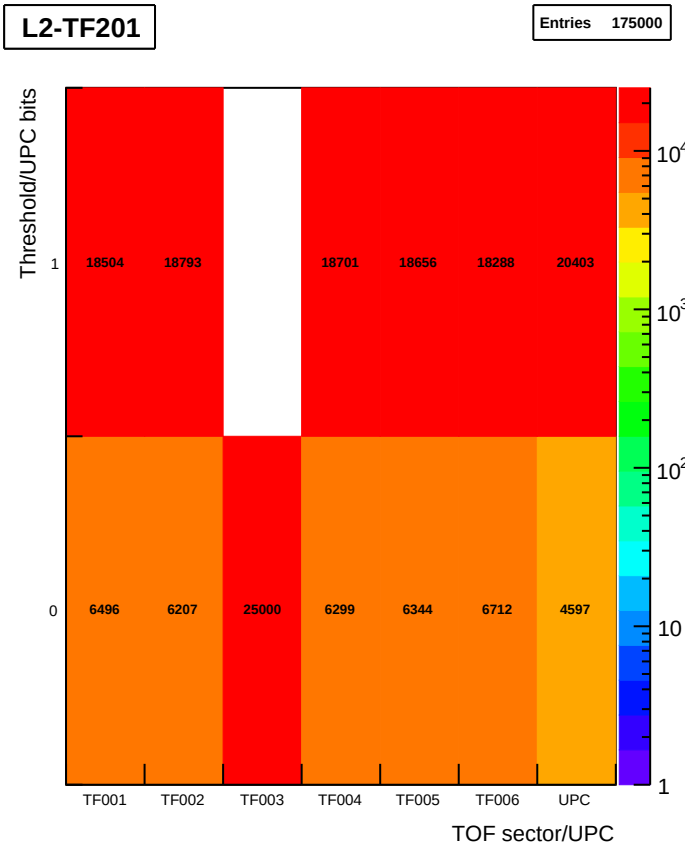

MIX-TF101
Entries 10508
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

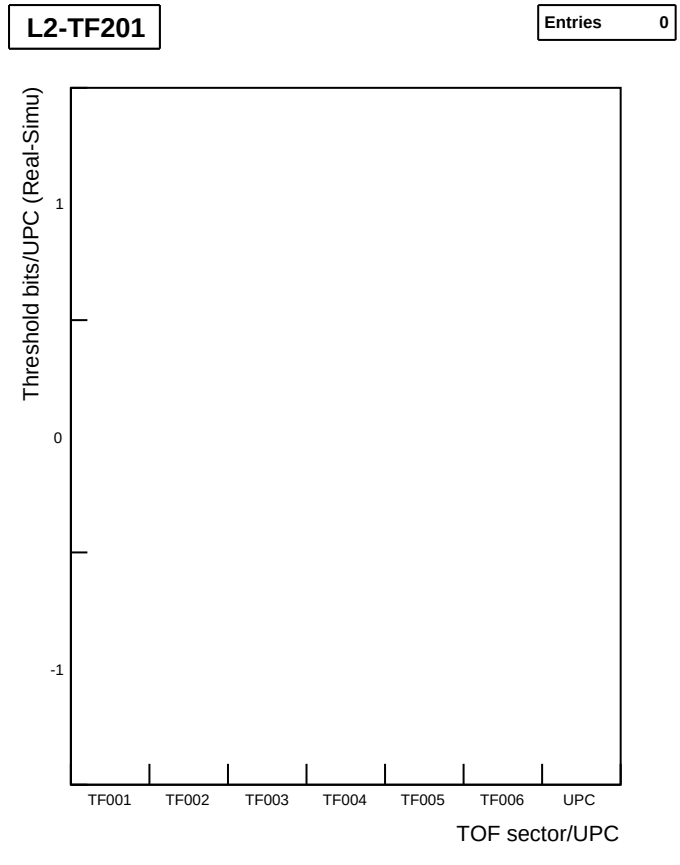

MIX-TF101
Entries 150000
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

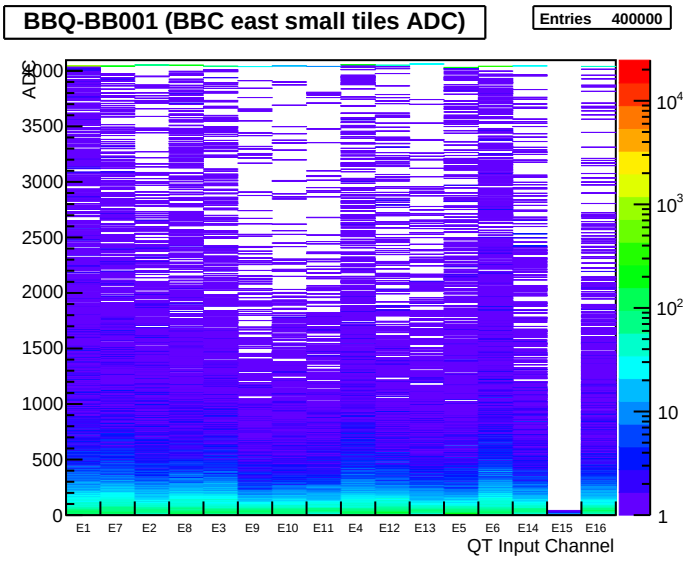

MIX-TF101
Entries 21233
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

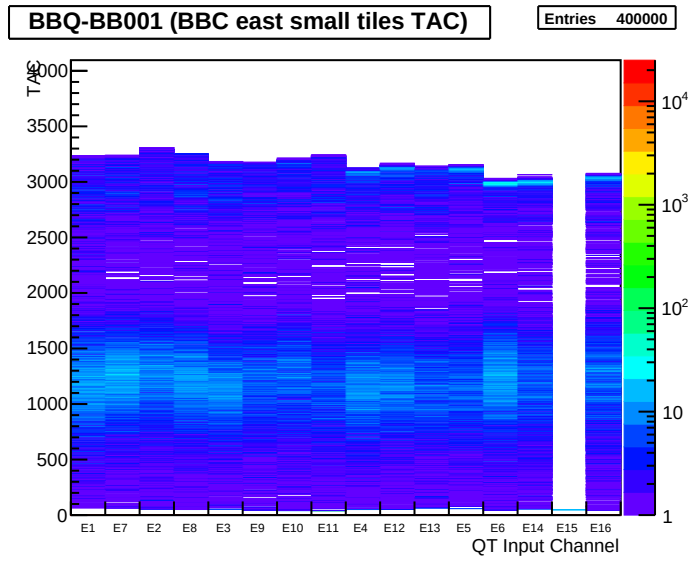

L2-TF201
Entries 25000
TOF total mult

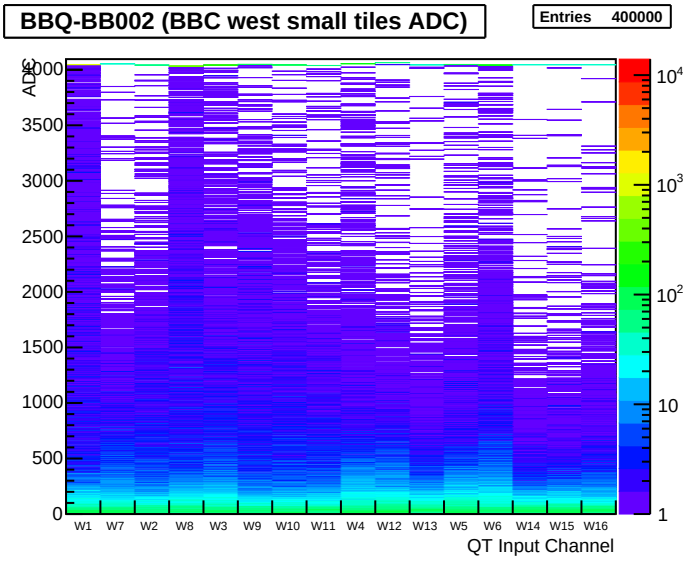

L2-TF201
Entries 0
TOF total mult(Real-Simu)

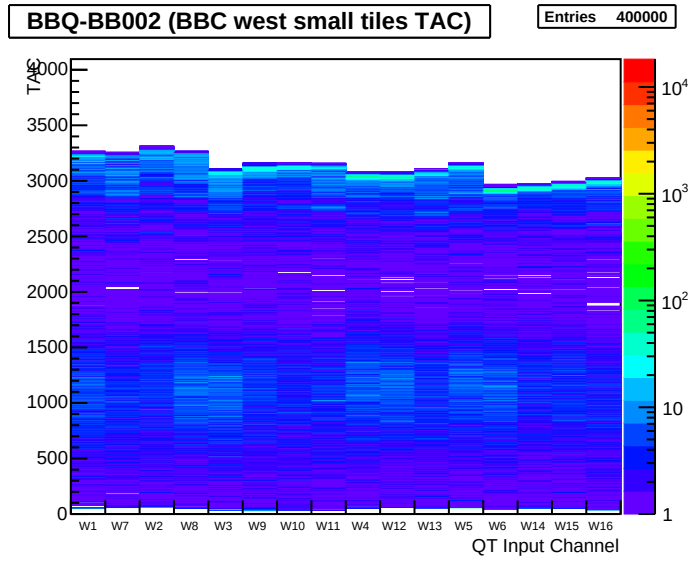

L2-TF201
Entries 175000
Threshold/UPC bits
18504
18793
18701
18656
18288
20403
6496
6207
25000
6299
6344
6712
4597
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

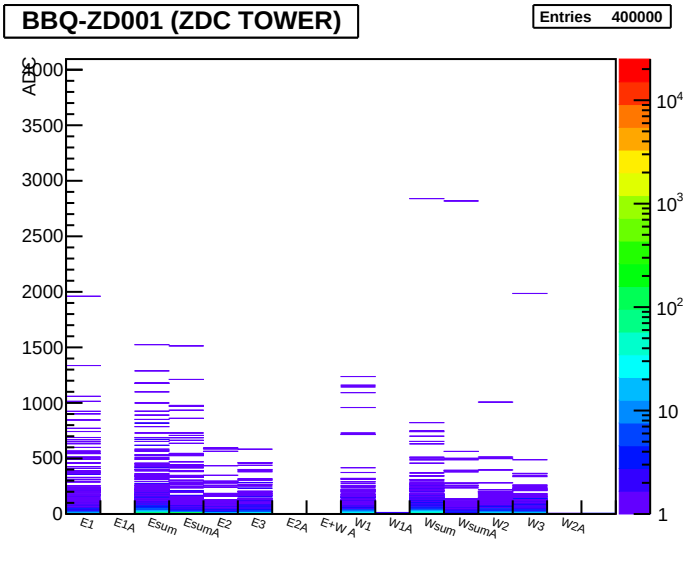

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

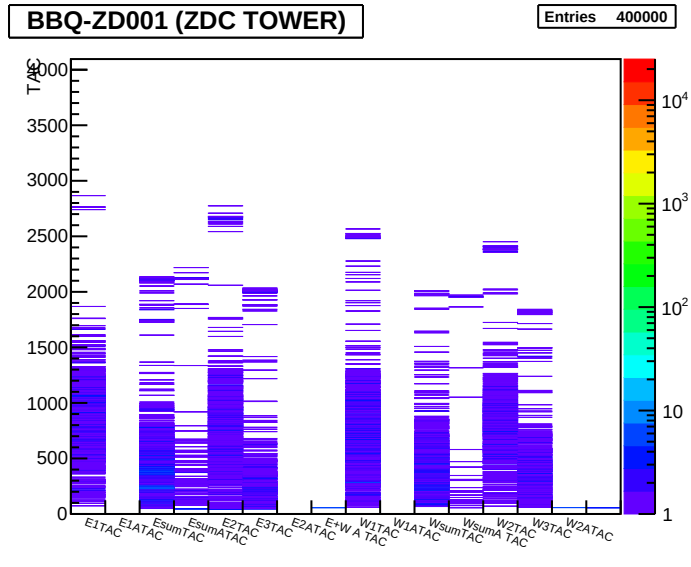

BBQ-BB001 (BBC east small tiles ADC)
Entries 400000
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

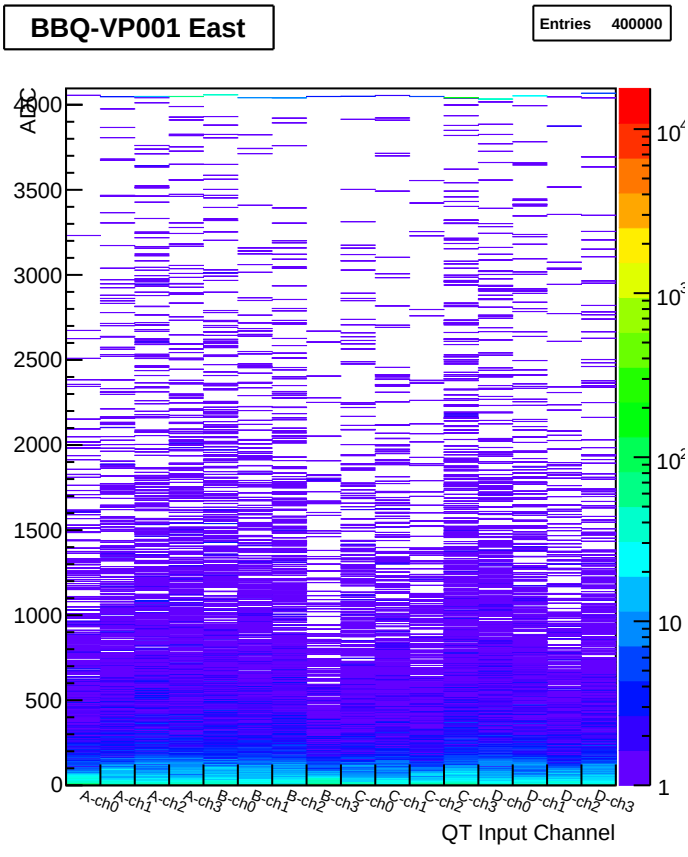

BBQ-BB001 (BBC east small tiles TAC)
Entries 400000
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

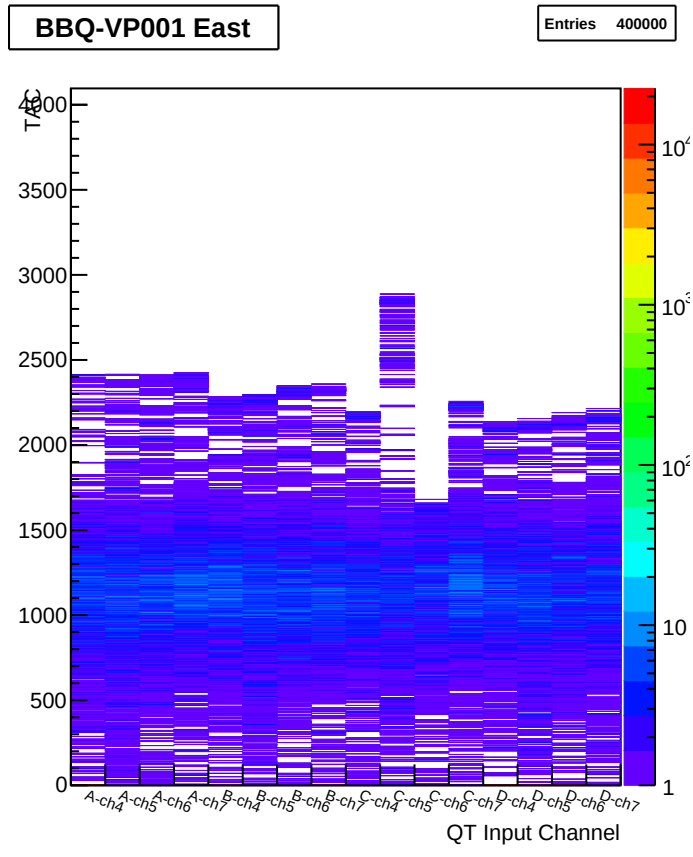

BBQ-BB002 (BBC west small tiles ADC)
Entries 400000
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

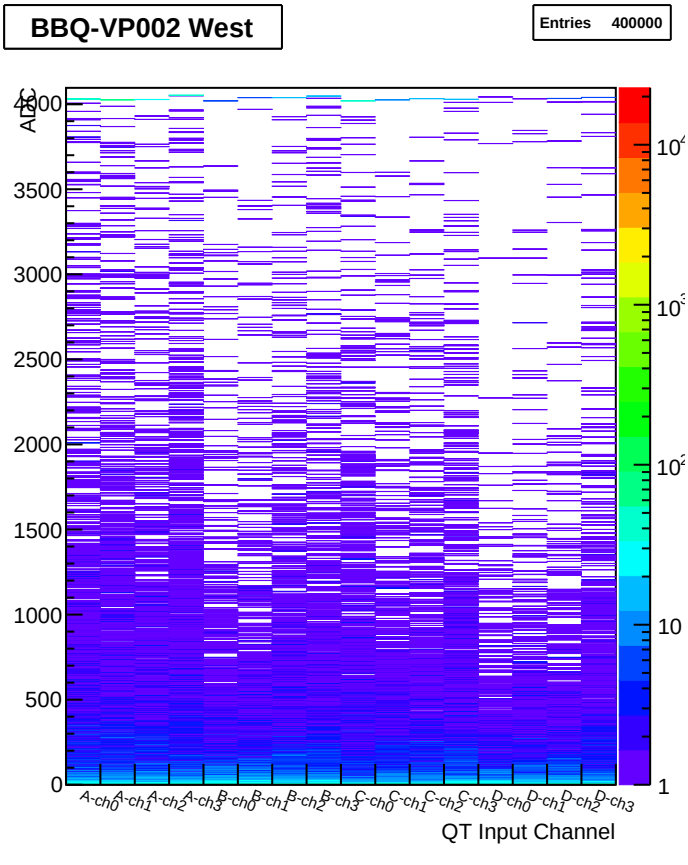

BBQ-BB002 (BBC west small tiles TAC)
Entries 400000
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

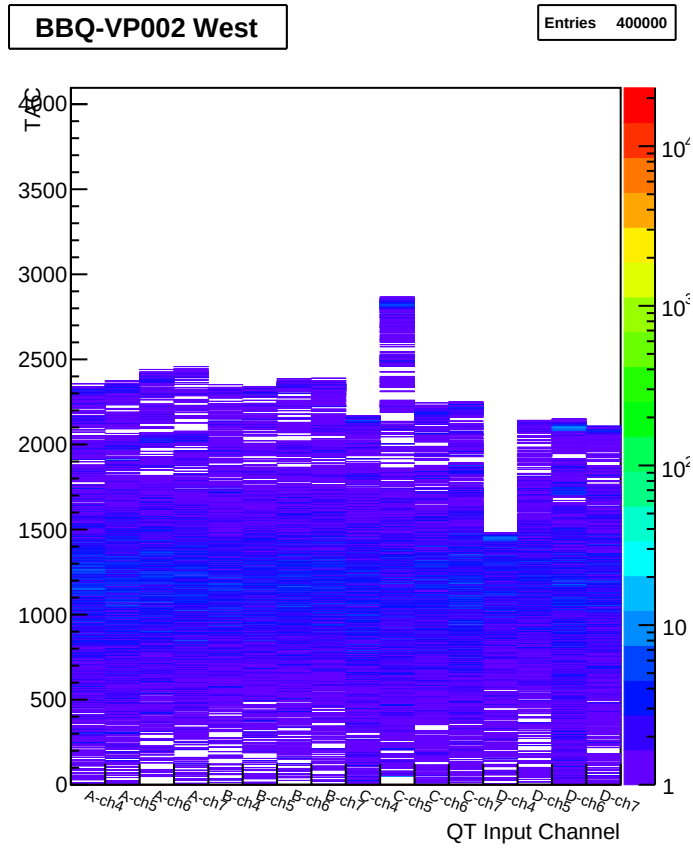

BBQ-ZD001 (ZDC TOWER)
Entries 400000
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

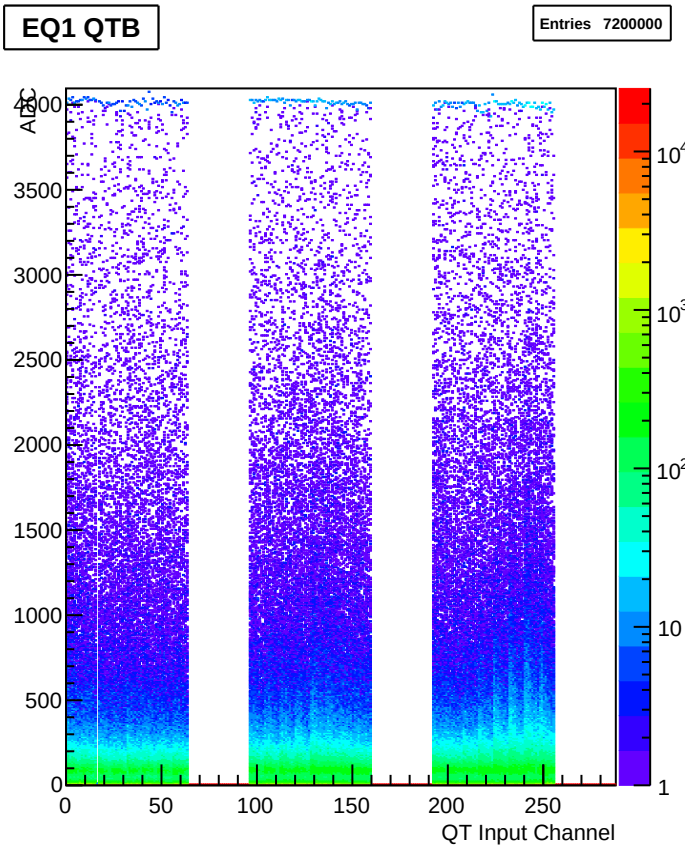

BBQ-ZD001 (ZDC TOWER)
Entries 400000
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

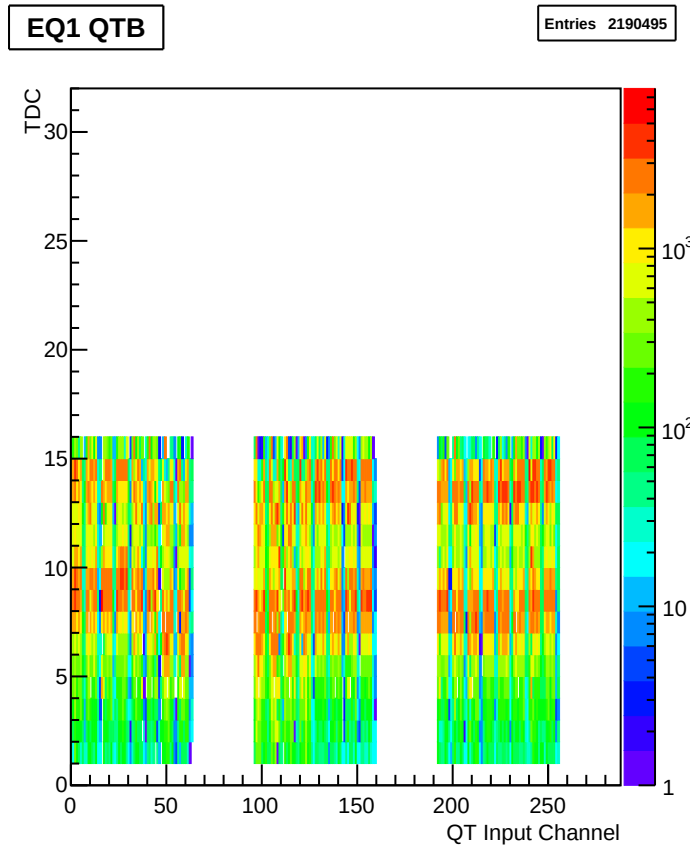

BBQ-VP001 East
Entries 400000
ADC
QT Input Channel

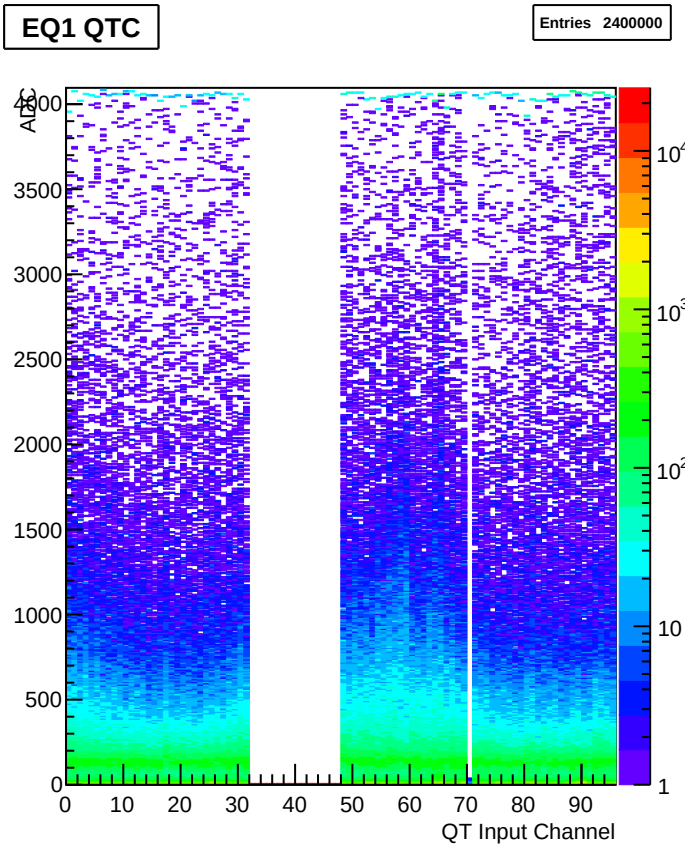

BBQ-VP001 East
Entries 400000
TADC
QT Input Channel

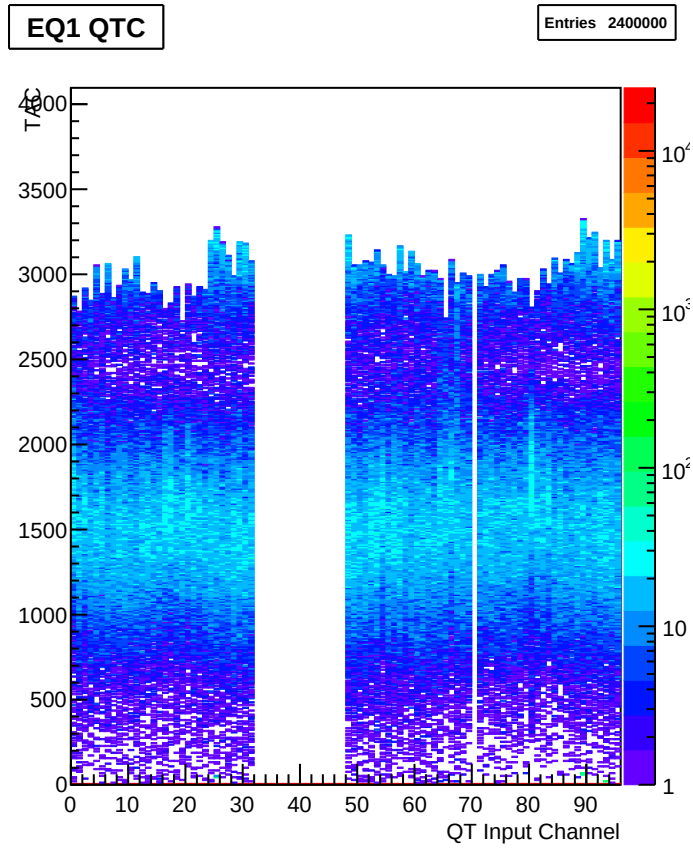

BBQ-VP002 West
Entries 400000
ADC
QT Input Channel

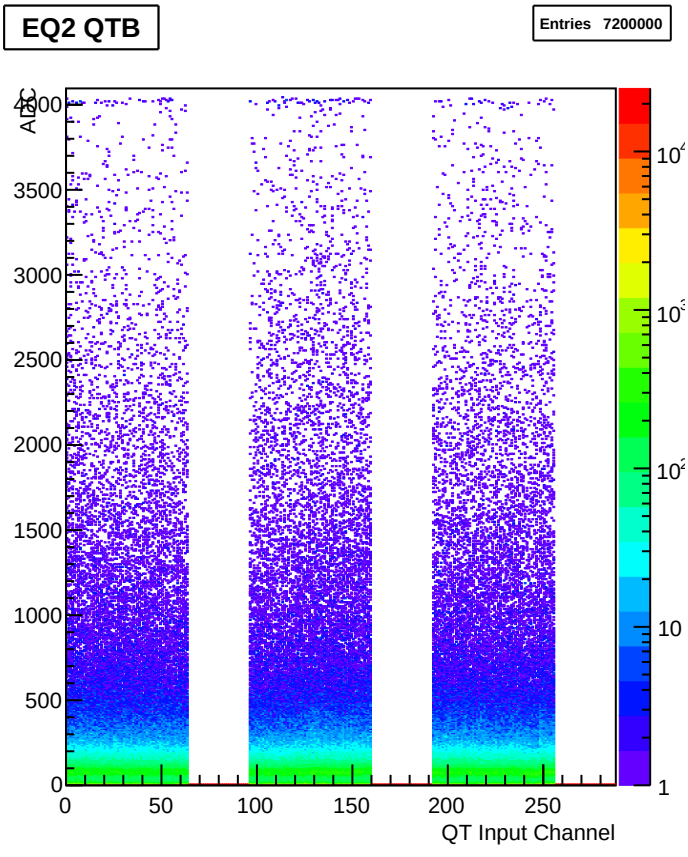

BBQ-VP002 West
Entries 400000
TADC
QT Input Channel

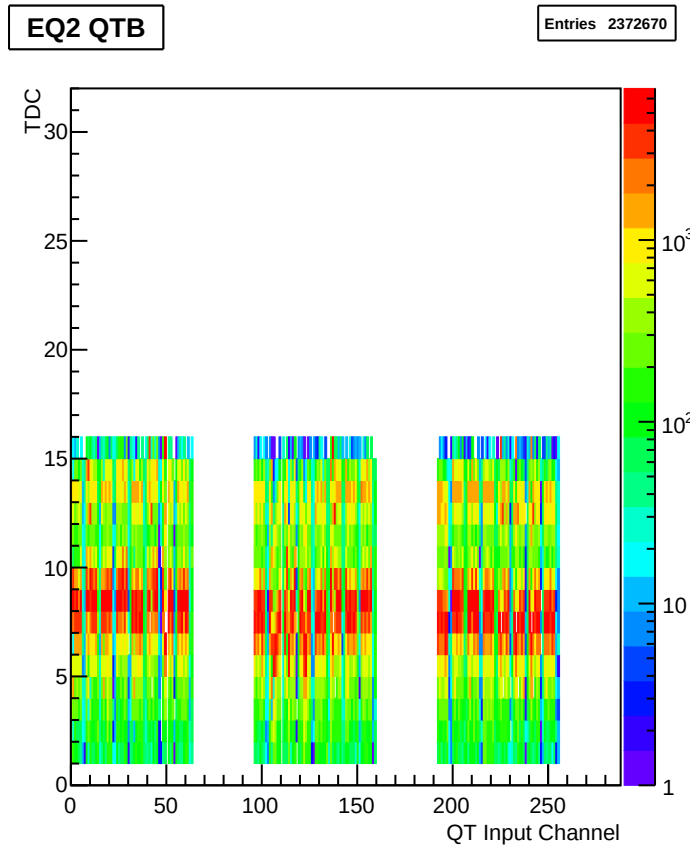

EQ1 QTB
Entries 7200000
ADC
QT Input Channel

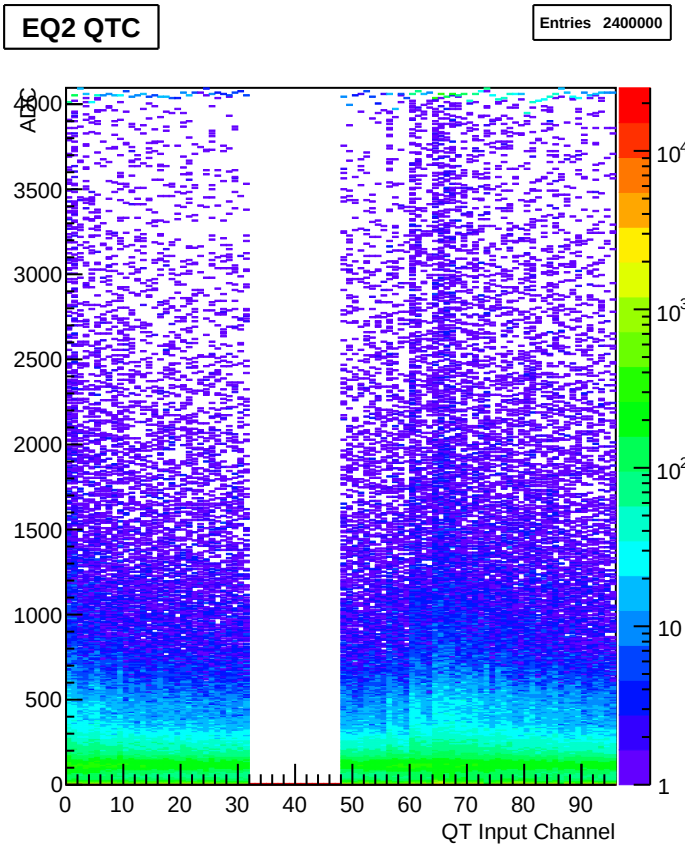

EQ1 QTB
Entries 2190495
TDC
QT Input Channel

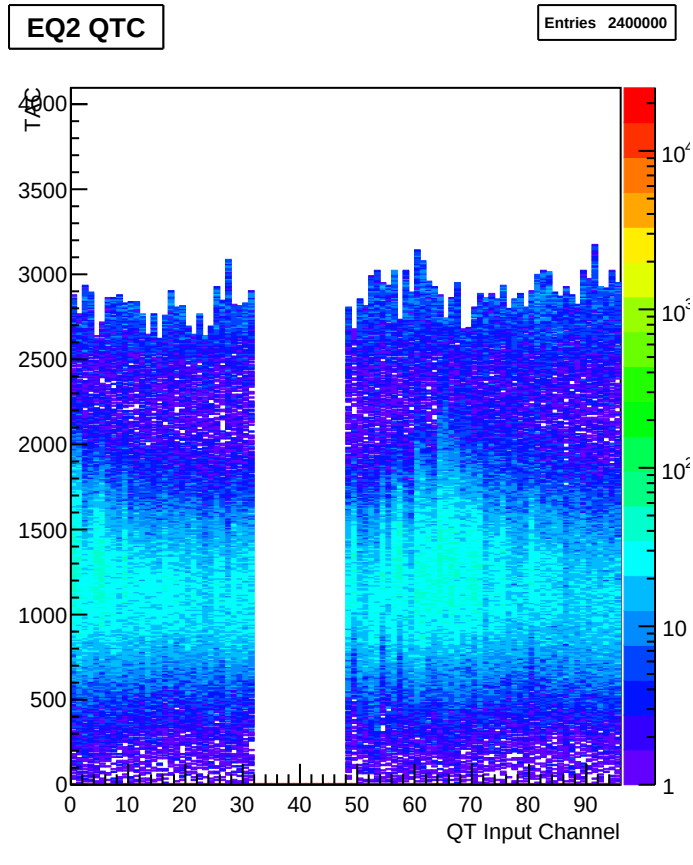

EQ1 QTC
Entries 2400000
ADC
QT Input Channel

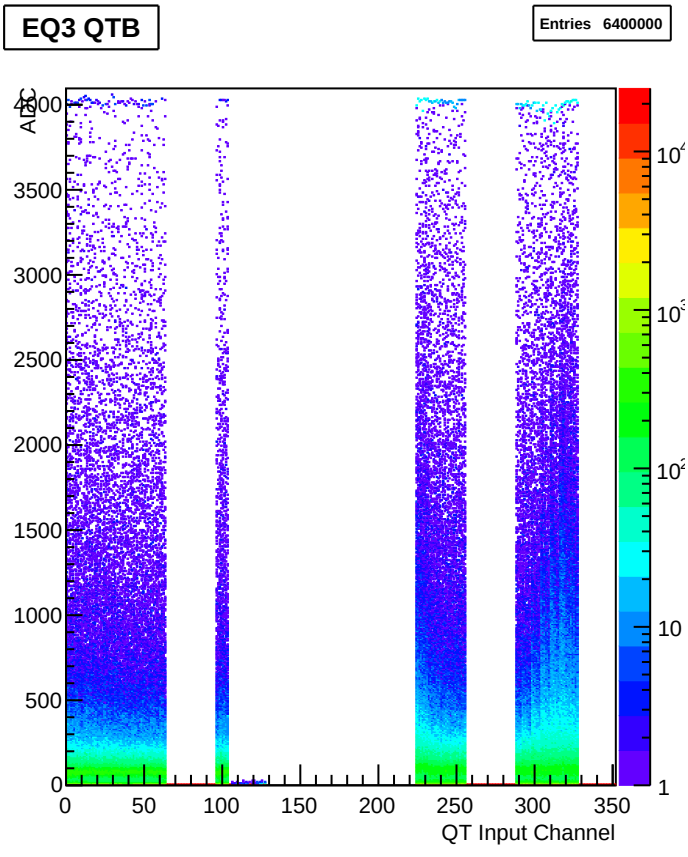

EQ1 QTC
Entries 2400000
TADC
QT Input Channel

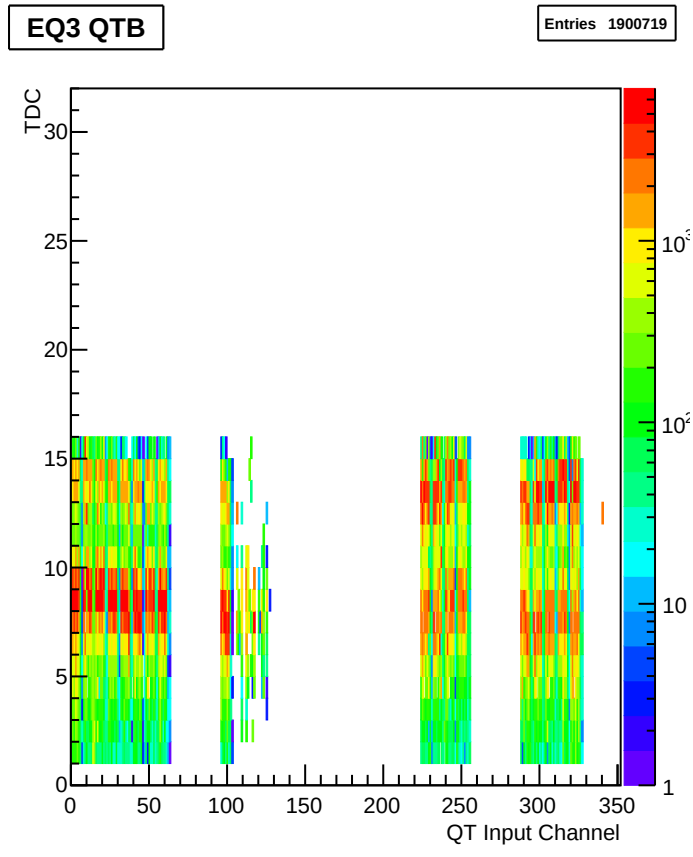

EQ2 QTB
Entries 7200000
ADC
QT Input Channel

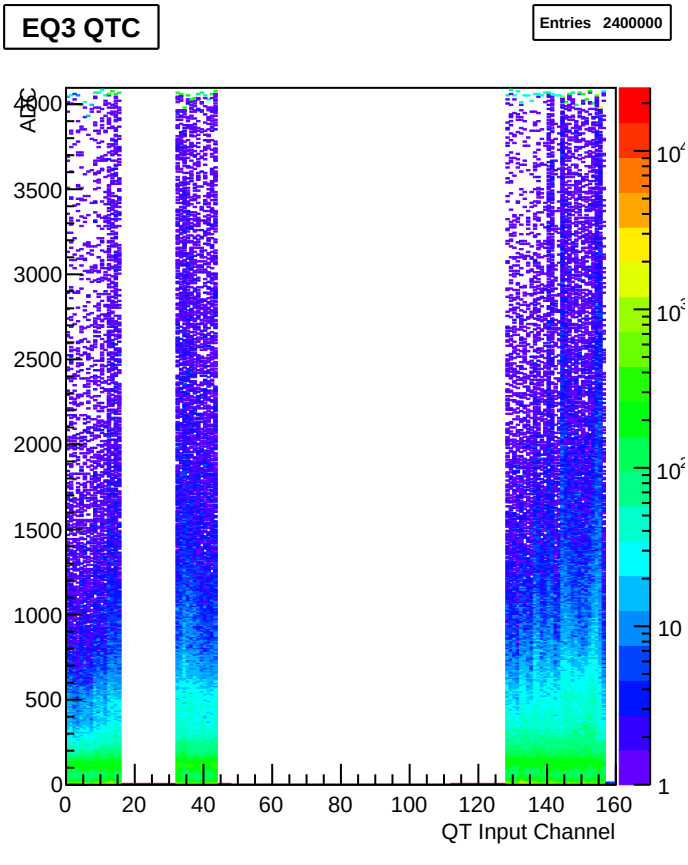

EQ2 QTB
Entries 2372670
TDC
QT Input Channel

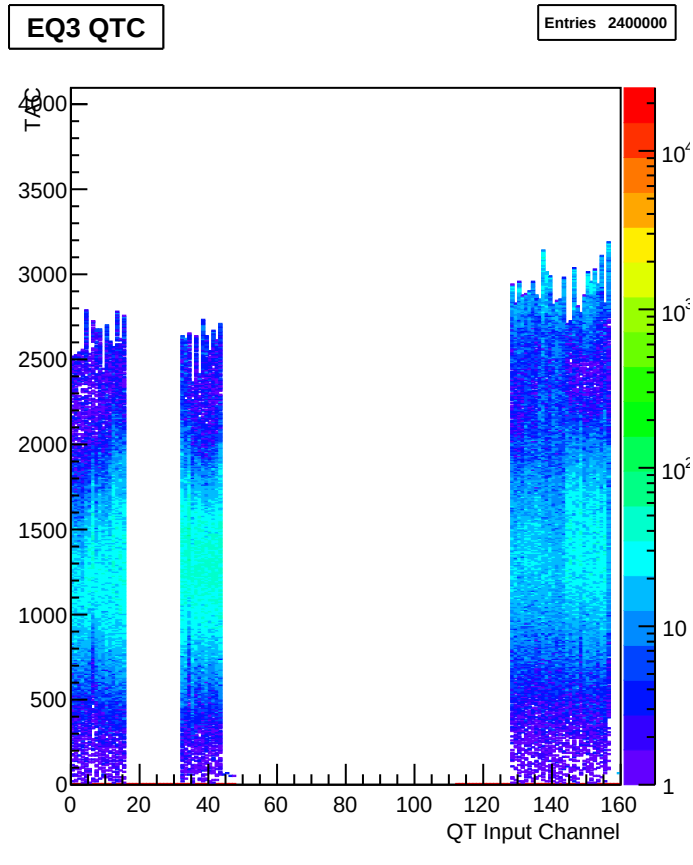

EQ2 QTC
Entries 2400000
ADC
QT Input Channel

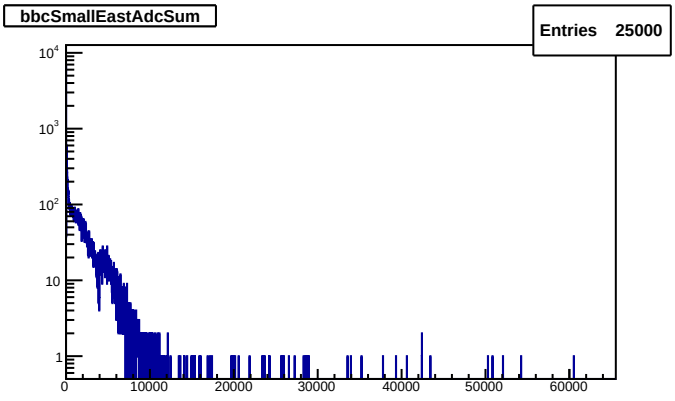

EQ2 QTC
Entries 2400000
TADC
QT Input Channel

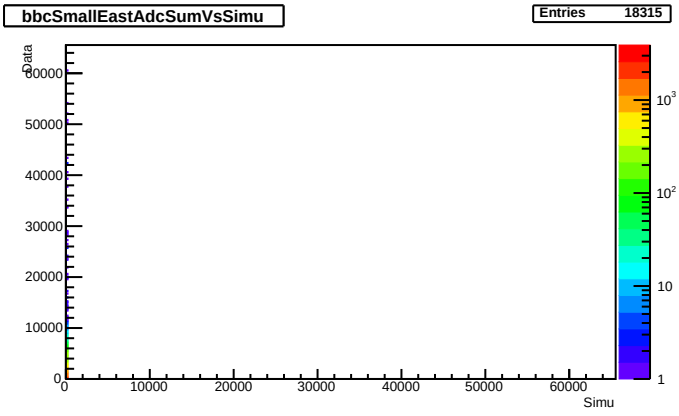

EQ3 QTB
Entries 6400000
ADC
QT Input Channel

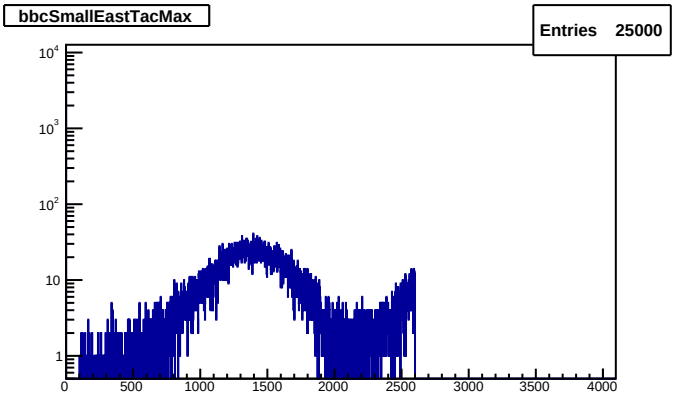

EQ3 QTB
Entries 1900719
TDC
QT Input Channel

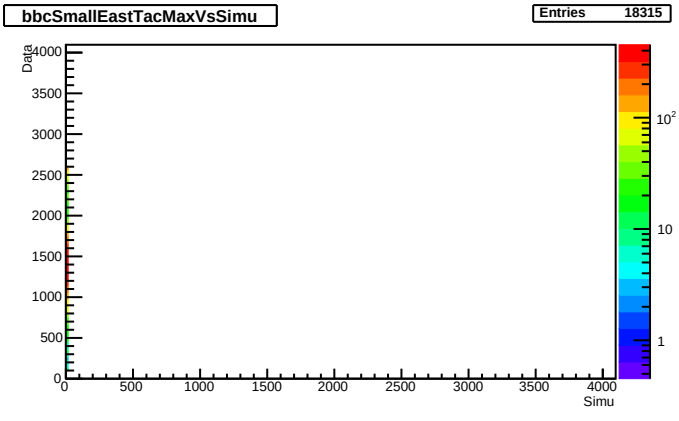

EQ3 QTC
Entries 2400000
ADC
QT Input Channel

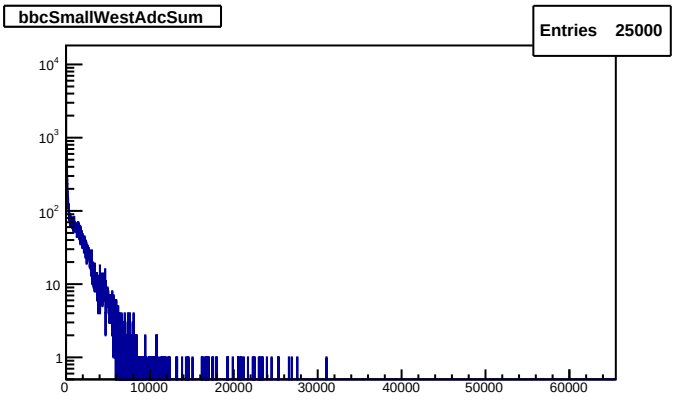

EQ3 QTC
Entries 2400000
TADC
QT Input Channel

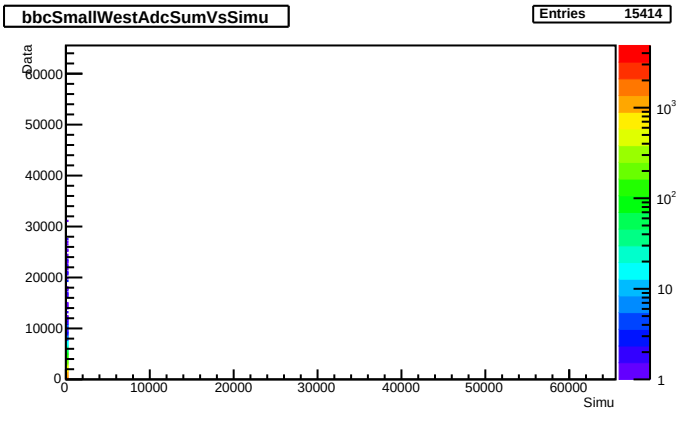

bbcSmallEastAdcSum
Entries 25000

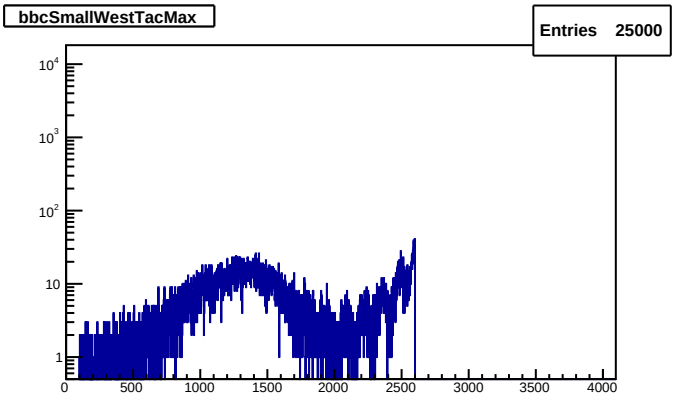

bbcSmallEastAdcSumVsSimu
Entries 18315
Data
Simu

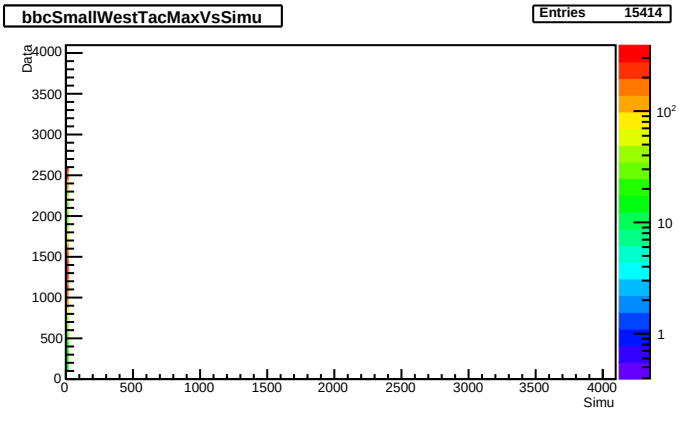

bbcSmallEastTacMax
Entries 25000

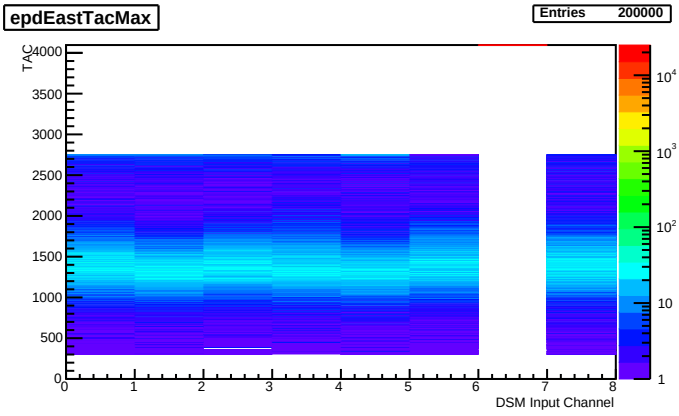

bbcSmallEastTacMaxVsSimu
Entries 18315
Data
Simu

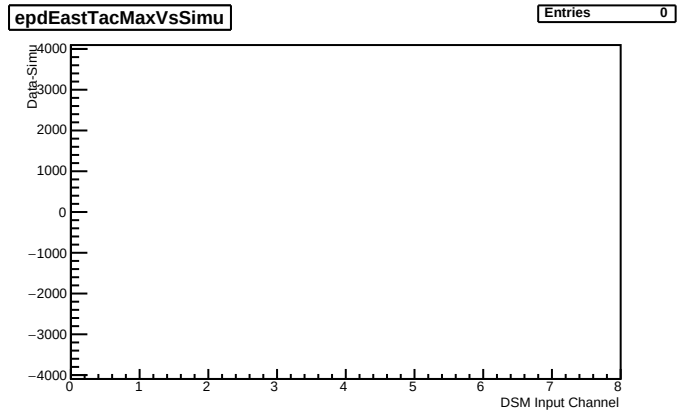

bbcSmallWestAdcSum
Entries 25000

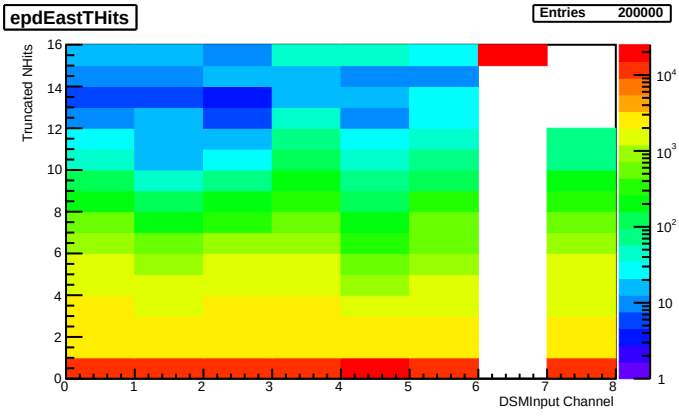

bbcSmallWestAdcSumVsSimu
Entries 15414
Data
Simu

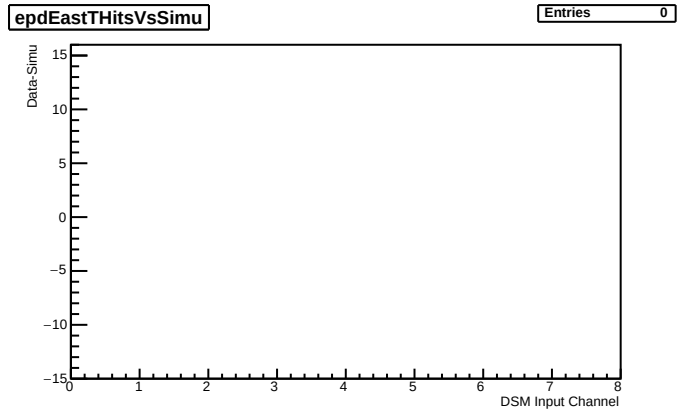

bbcSmallWestTacMax
Entries 25000

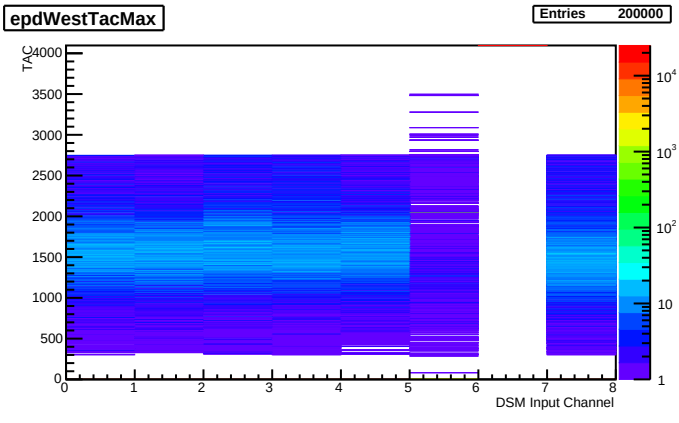

bbcSmallWestTacMaxVsSimu
Entries 15414
Data
Simu

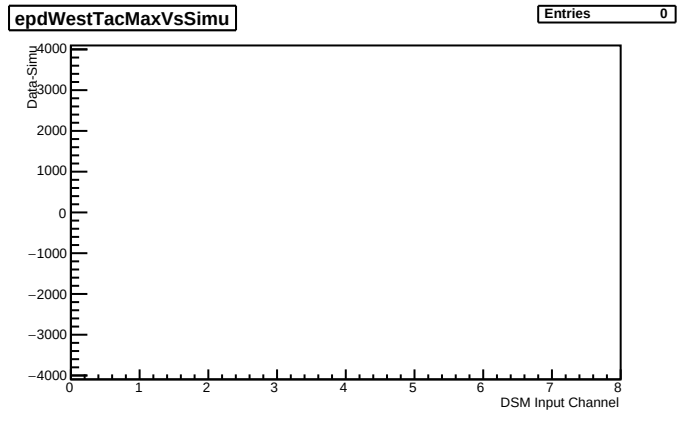

epdEastTacMax
Entries 200000
TAC
DSM Input Channel

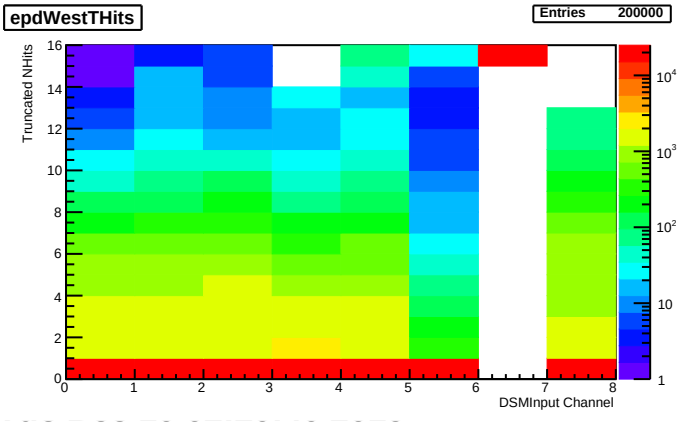

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

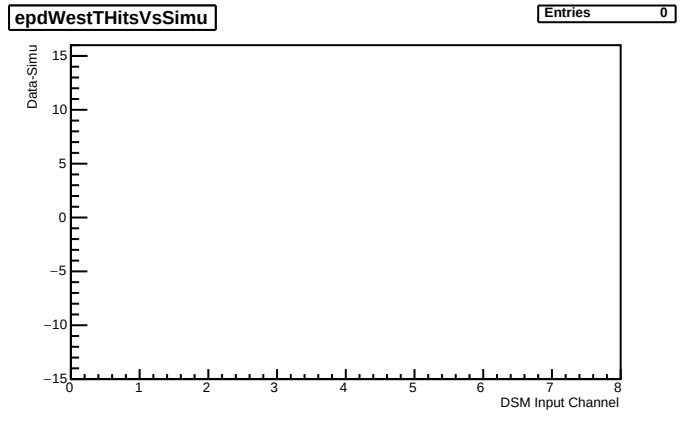

epdEastTHits
Entries 200000
Truncated NHits
DSMInput Channel

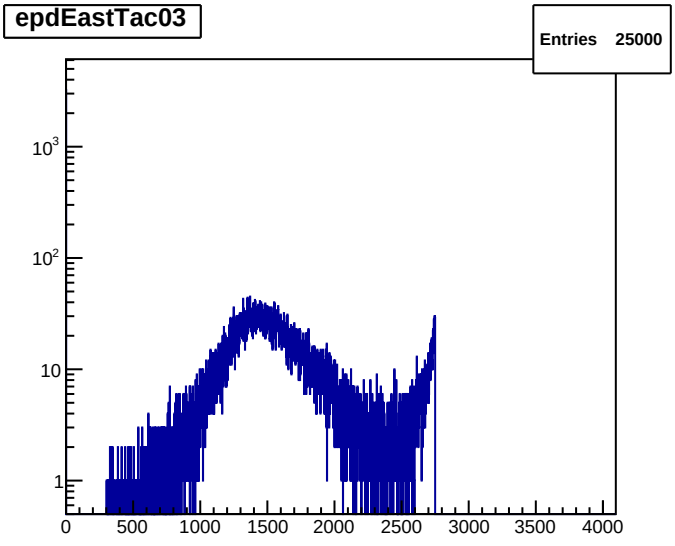

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

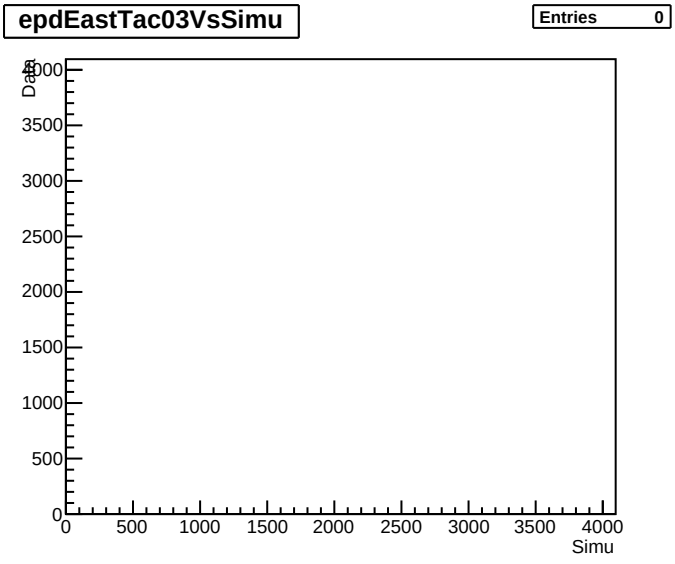

epdWestTacMax
Entries 200000
TAC
DSM Input Channel

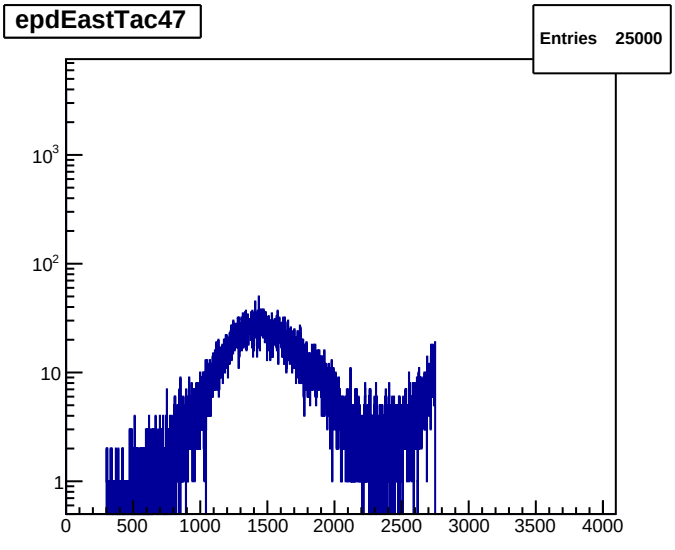

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

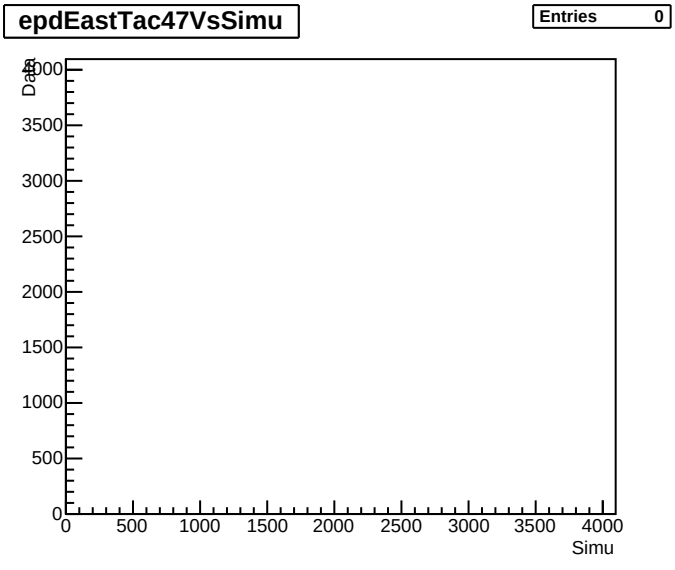

epdWestTHits
Entries 200000
Truncated NHits
DSMInput Channel

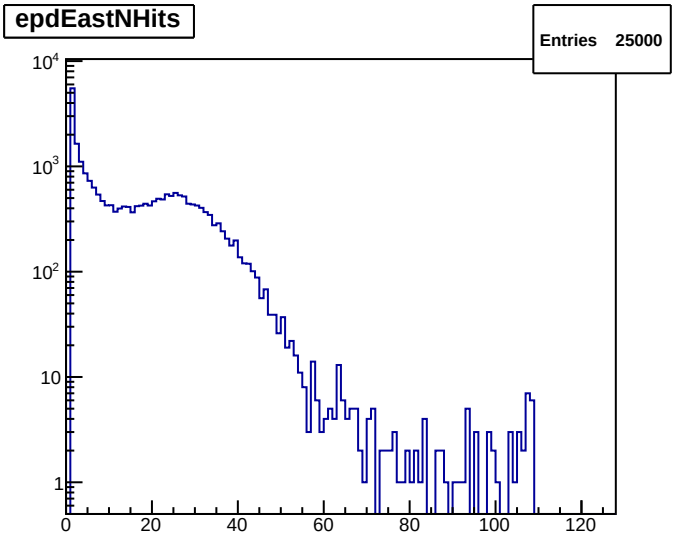

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

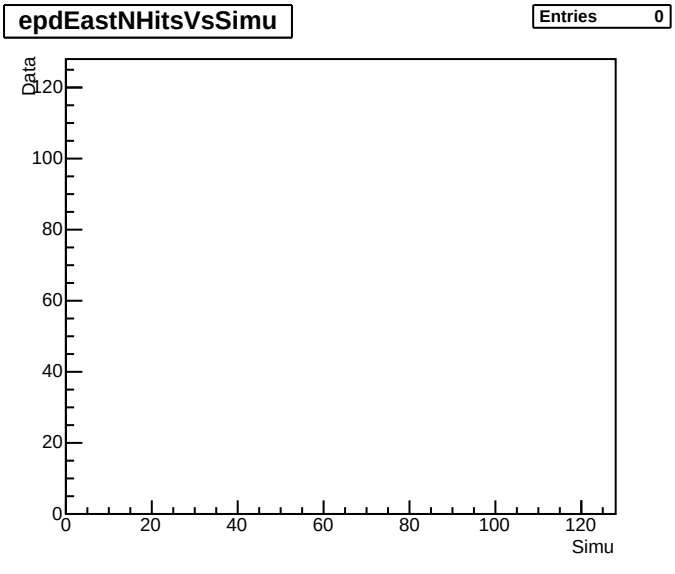

epdEastTac03
Entries 25000

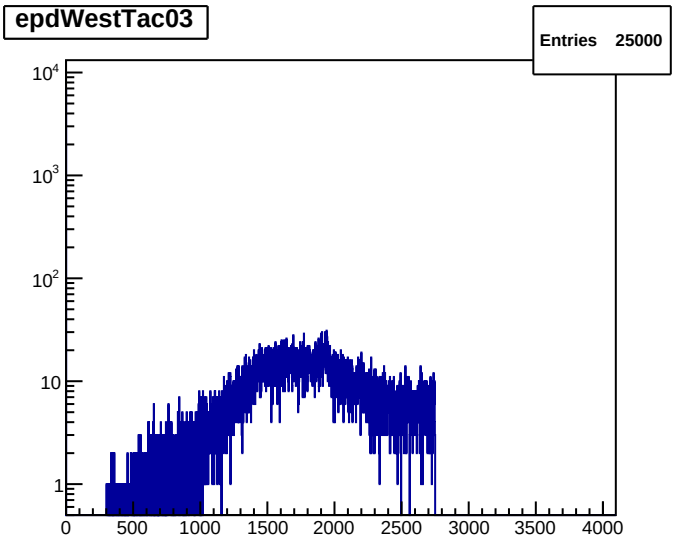

epdEastTac03VsSimu
Entries 0
Data
Simu

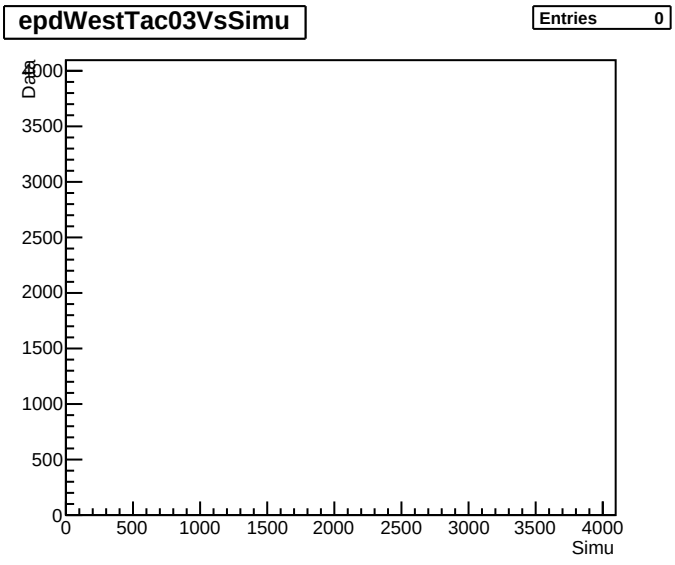

epdEastTac47
Entries 25000

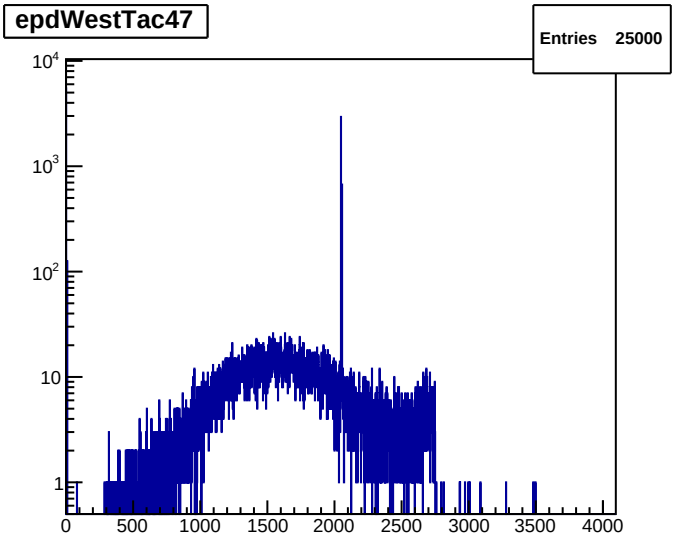

epdEastTac47VsSimu
Entries 0
Data
Simu

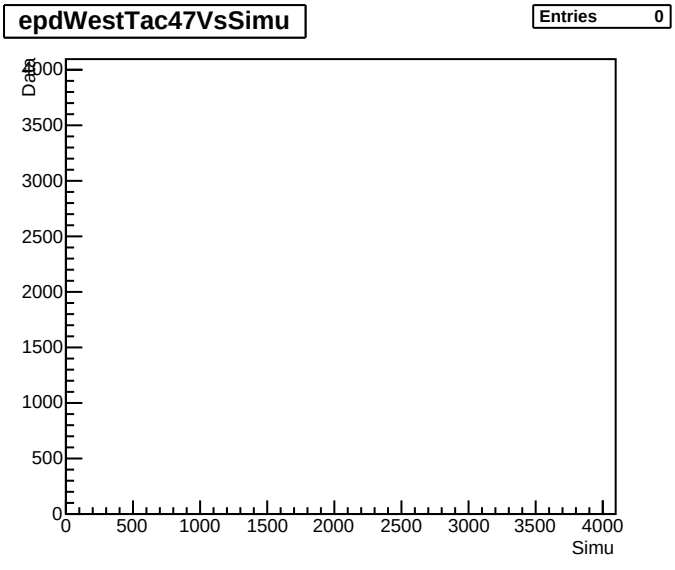

epdEastNHits
Entries 25000

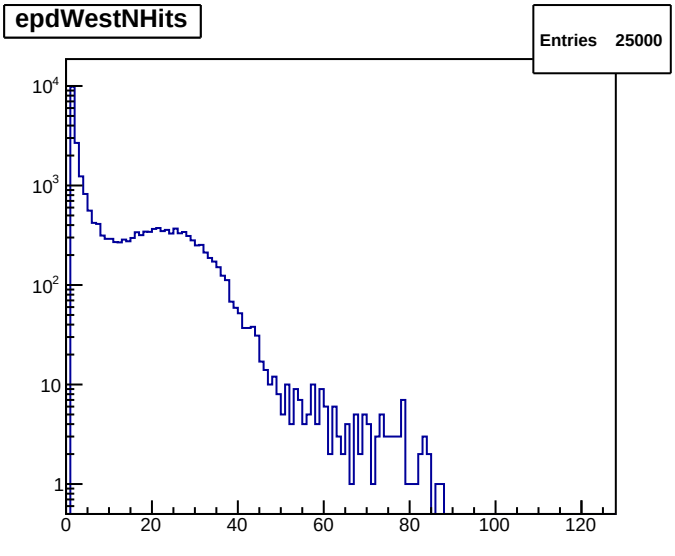

epdEastNHitsVsSimu
Entries 0
Data
Simu

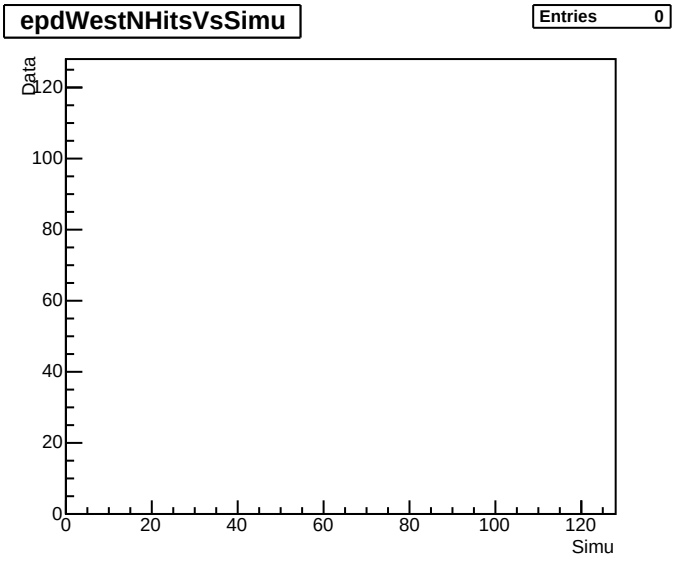

epdWestTac03
Entries 25000

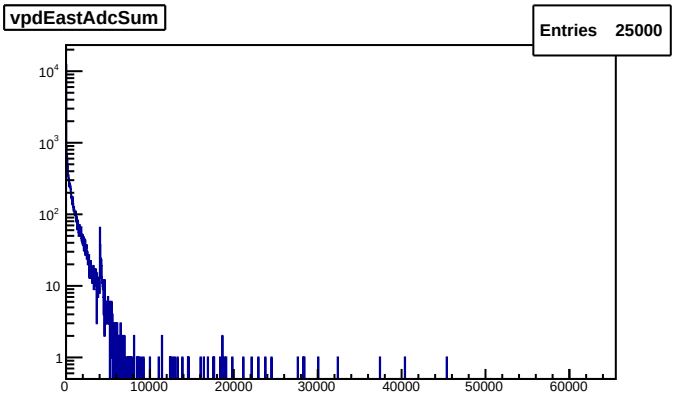

epdWestTac03VsSimu
Entries 0
Data
Simu

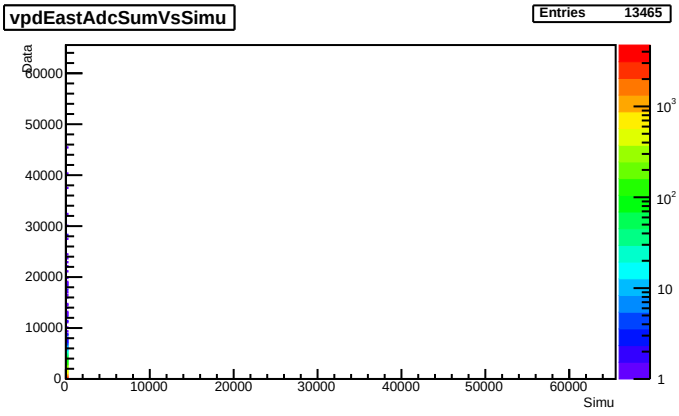

epdWestTac47
Entries 25000

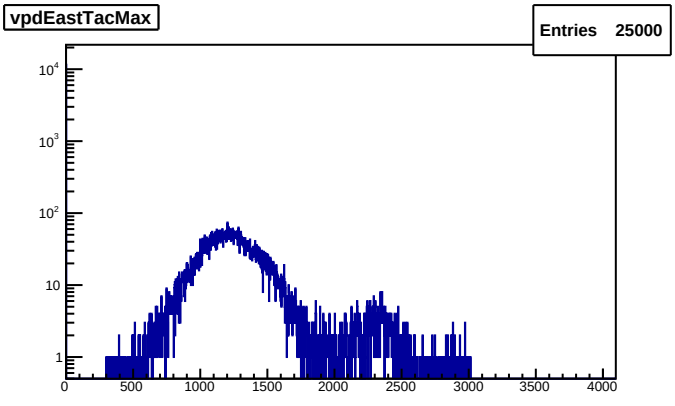

epdWestTac47VsSimu
Entries 0
Data
Simu

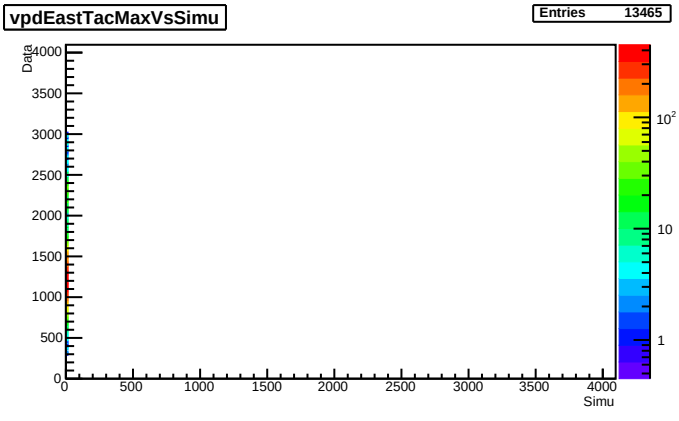

epdWestNHits
Entries 25000

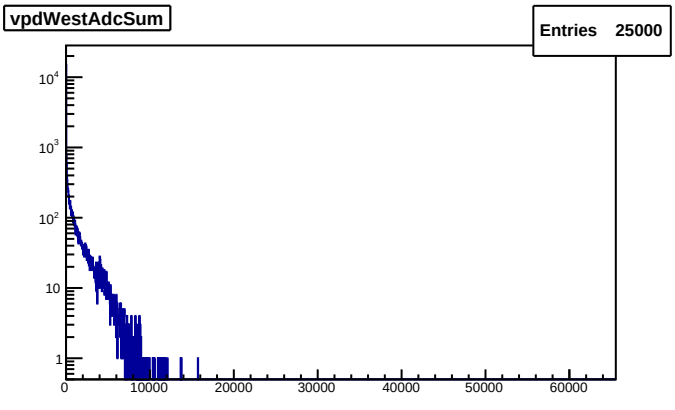

epdWestNHitsVsSimu
Entries 0
Data
Simu

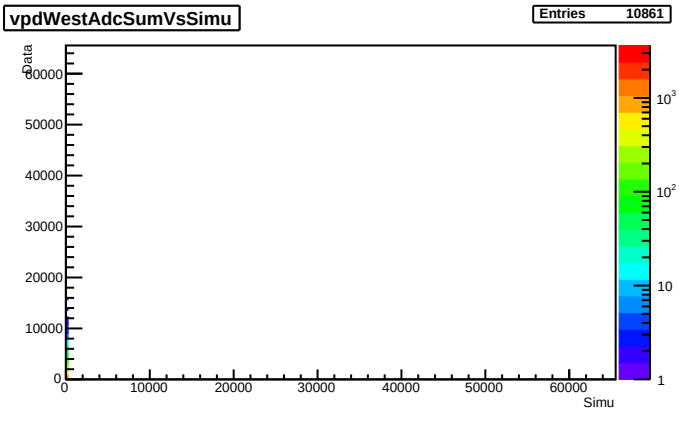

vpdEastAdcSum
Entries 25000

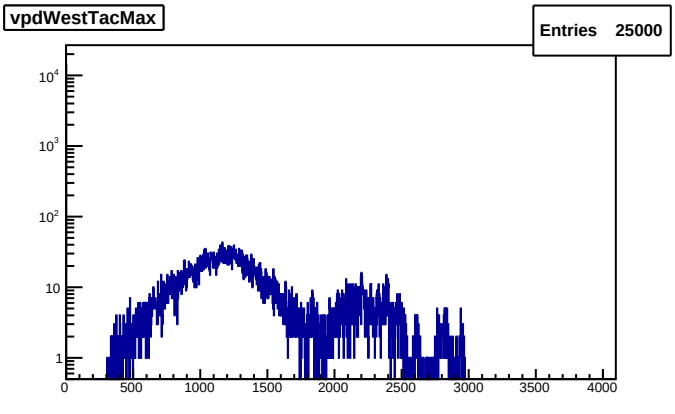

vpdEastAdcSumVsSimu
Entries 13465
Data
Simu

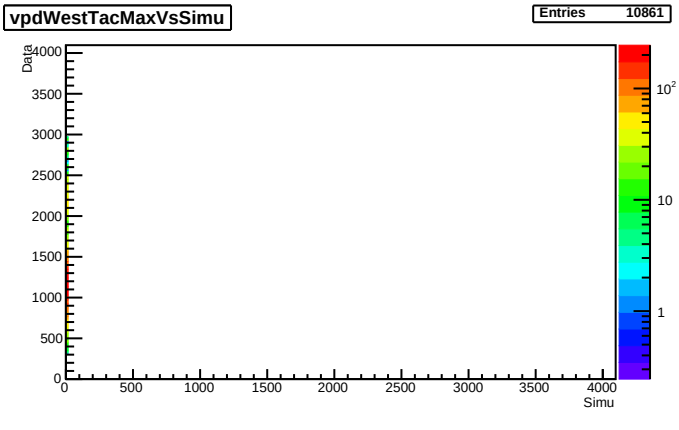

vpdEastTacMax
Entries 25000

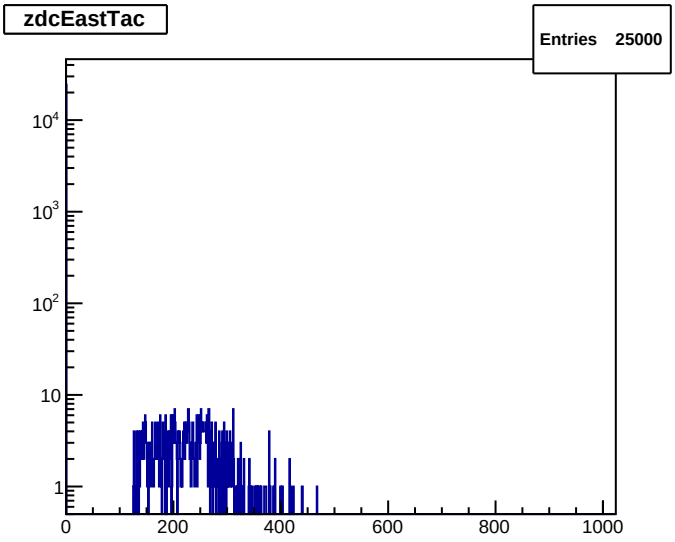

vpdEastTacMaxVsSimu
Entries 13465
Data
Simu

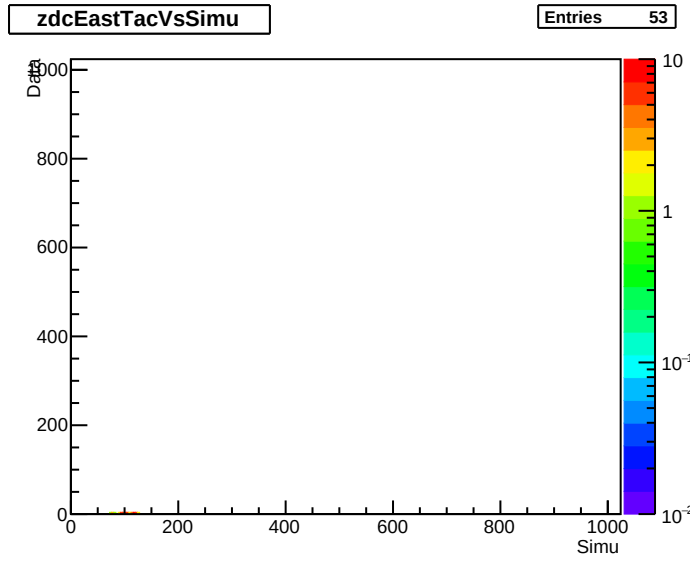

vpdWestAdcSum
Entries 25000

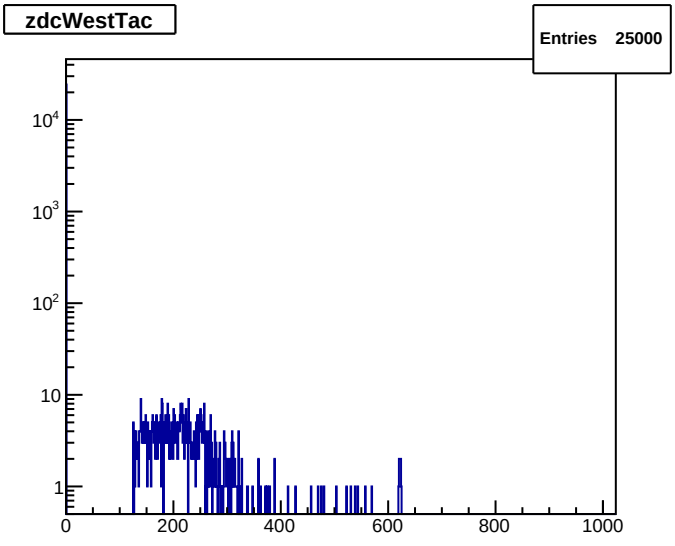

vpdWestAdcSumVsSimu
Entries 10861
Data
Simu

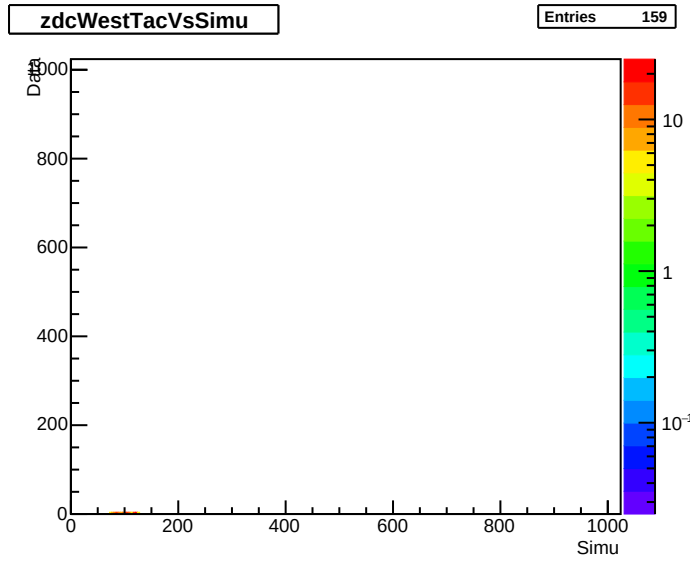

vpdWestTacMax
Entries 25000

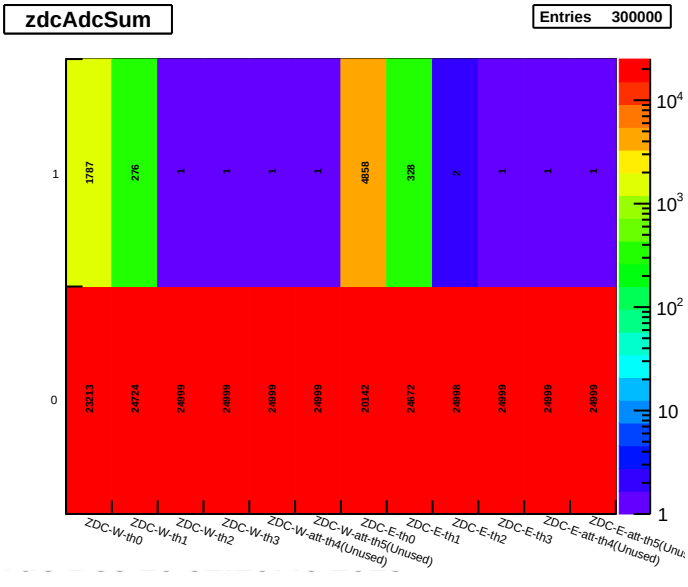

vpdWestTacMaxVsSimu
Entries 10861
Data
Simu

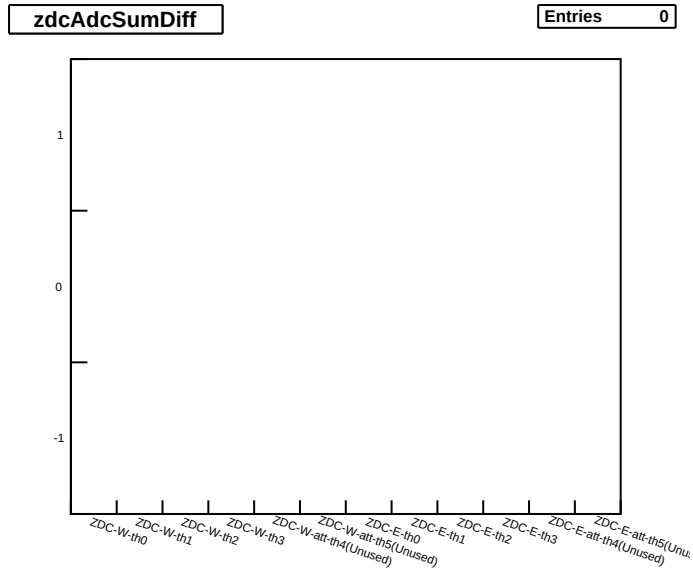

zdcEastTac
Entries 25000

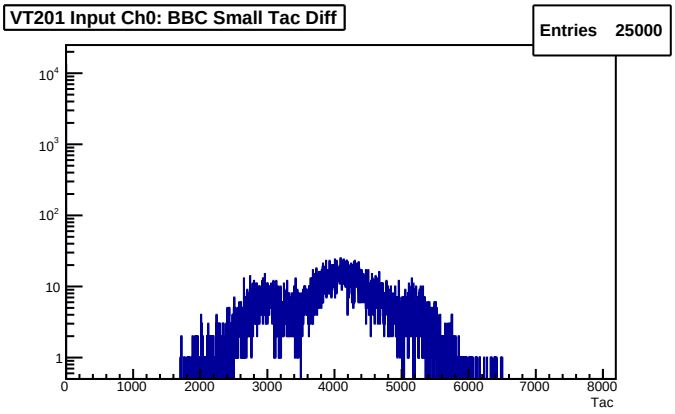

zdcEastTacVsSimu
Entries 53
Data
Simu

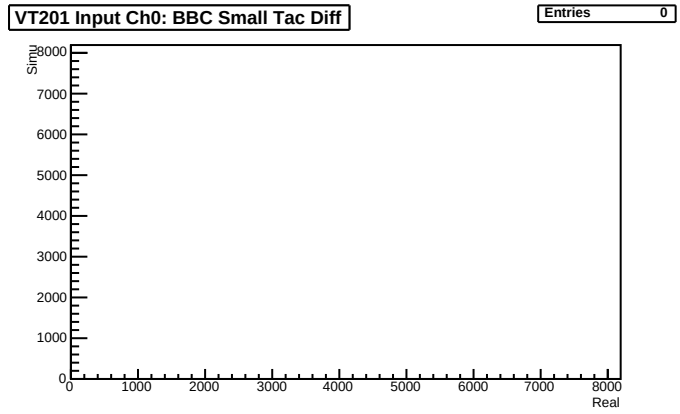

zdcWestTac
Entries 25000

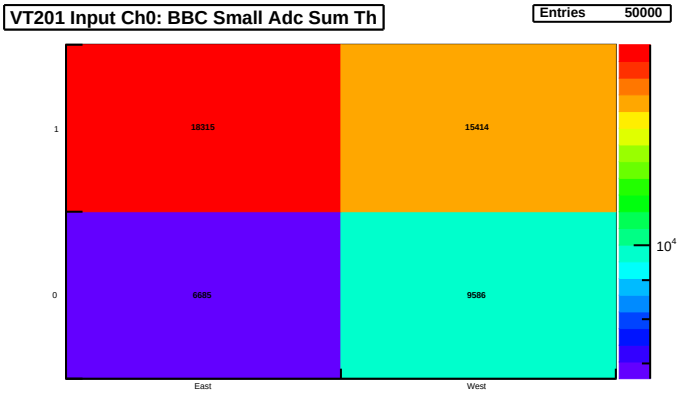

zdcWestTacVsSimu
Entries 159
Data
Simu

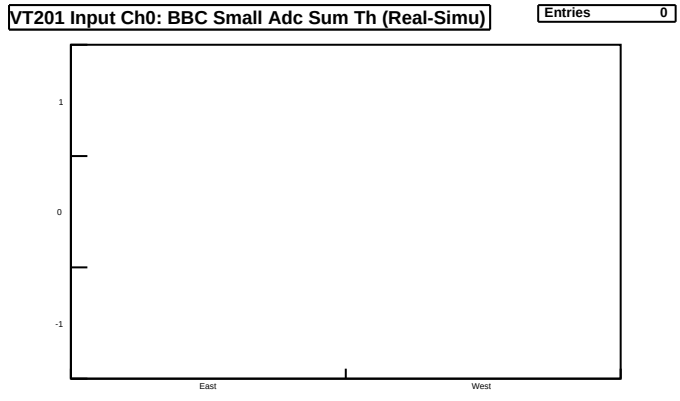

zdcAdcSum
Entries 300000
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

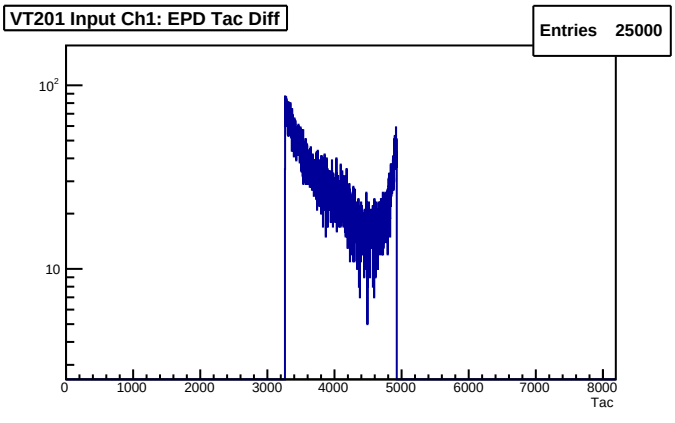

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

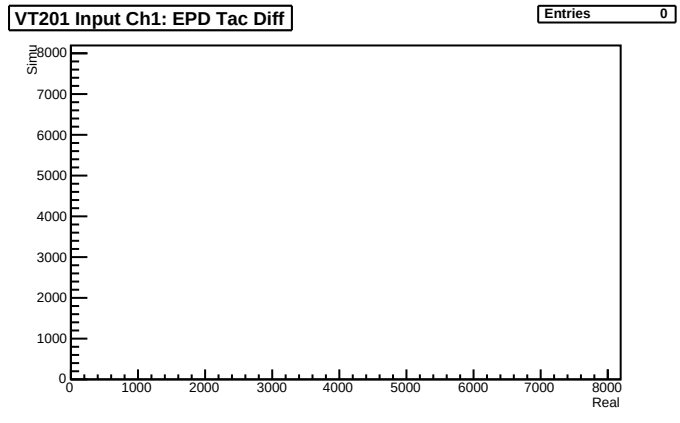

VT201 Input Ch0: BBC Small Tac Diff
Entries 25000
Tac

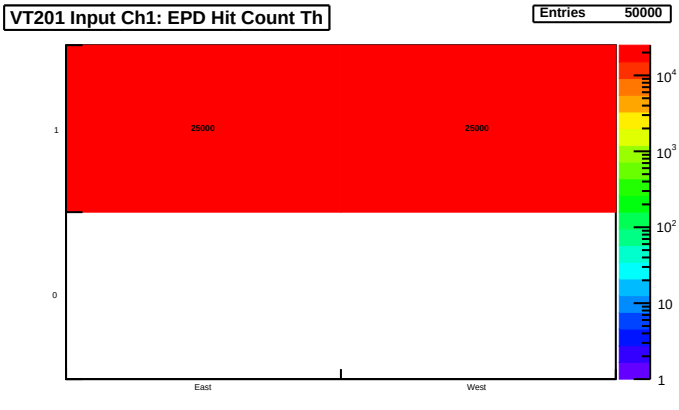

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

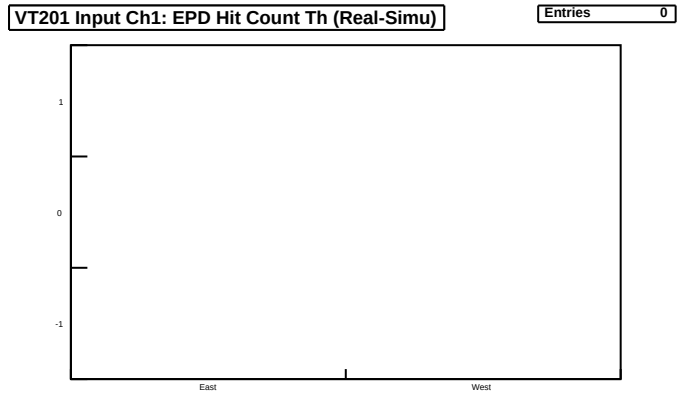

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 50000
18315
15414
6685
9586
East
West

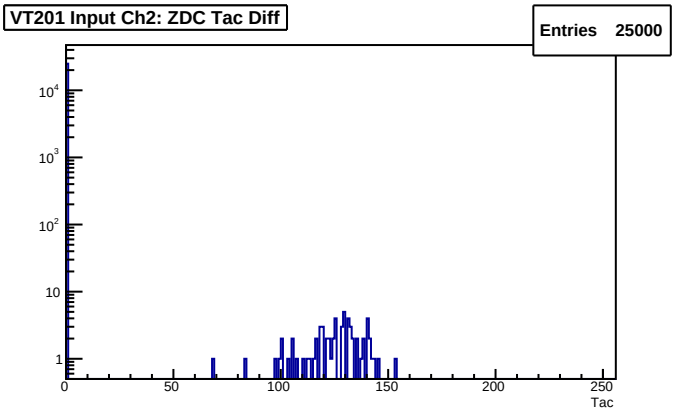

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

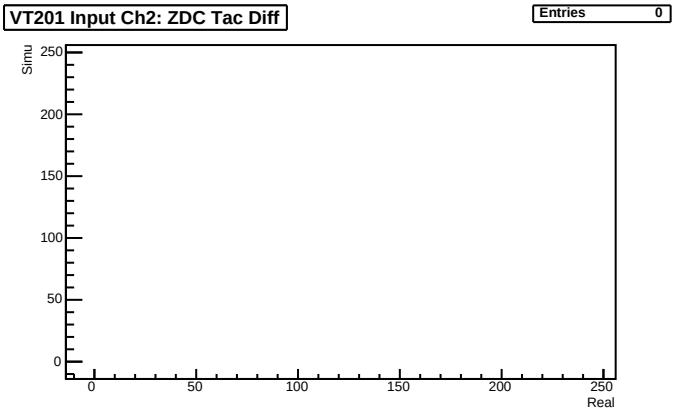

VT201 Input Ch1: EPD Tac Diff
Entries 25000
Tac

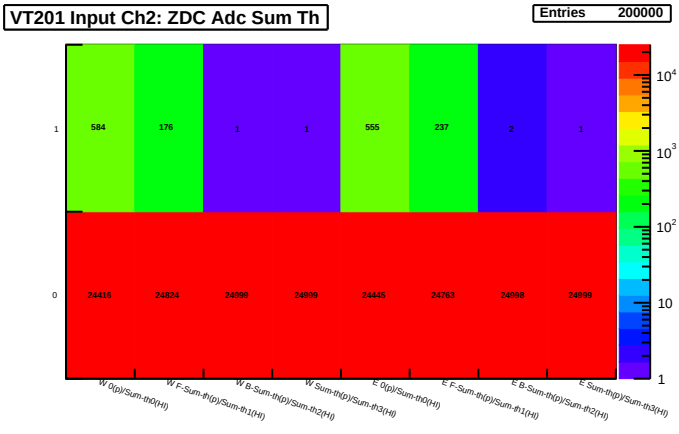

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

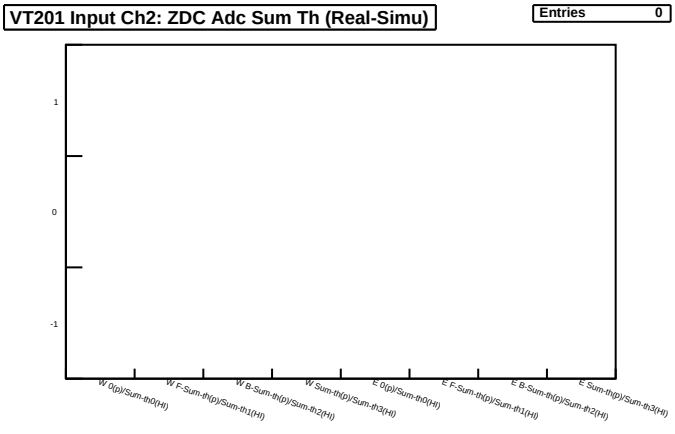

VT201 Input Ch1: EPD Hit Count Th
Entries 50000
25000
25000
East
West

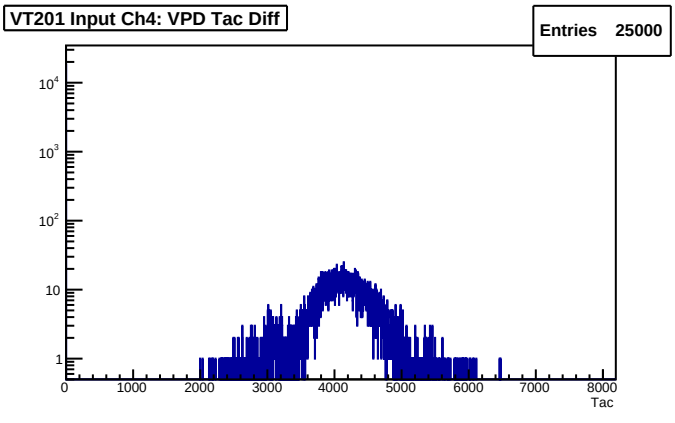

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

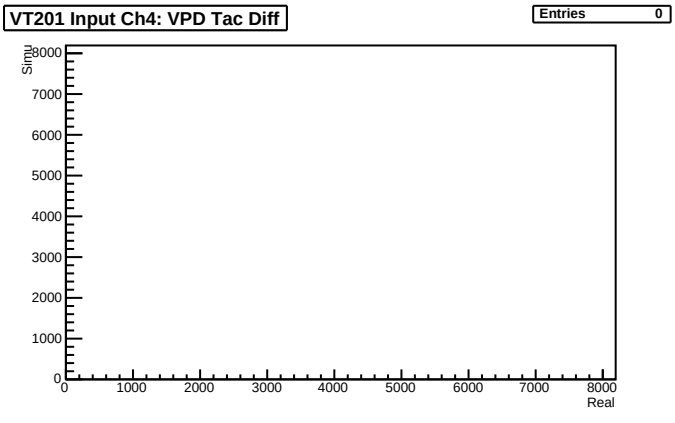

VT201 Input Ch2: ZDC Tac Diff
Entries 25000
Tac

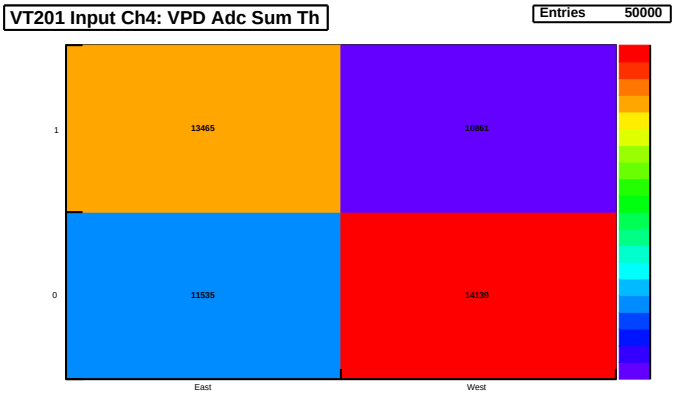

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

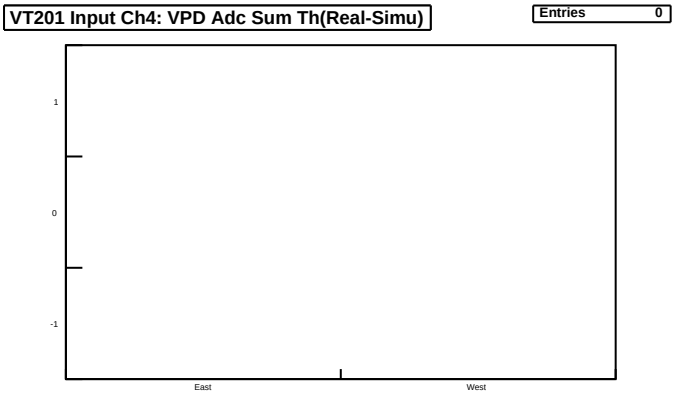

VT201 Input Ch2: ZDC Adc Sum Th
Entries 200000
584
176
1
1
555
237
2
1
24416
24824
24999
24999
24445
24763
24998
24999
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

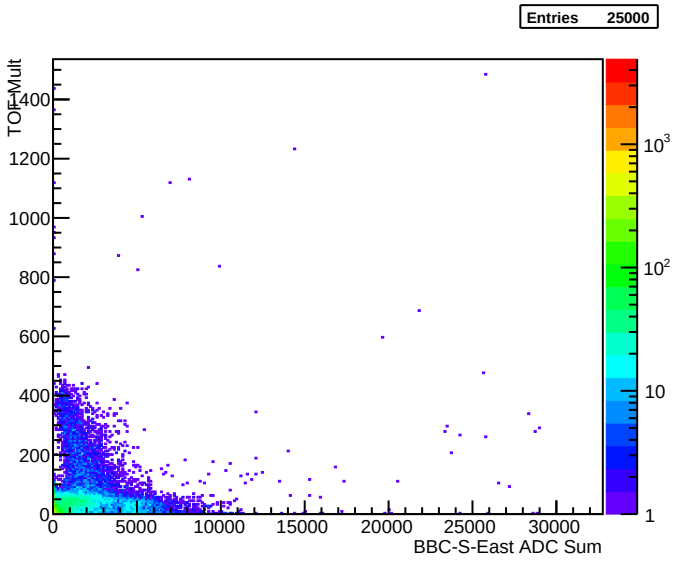

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

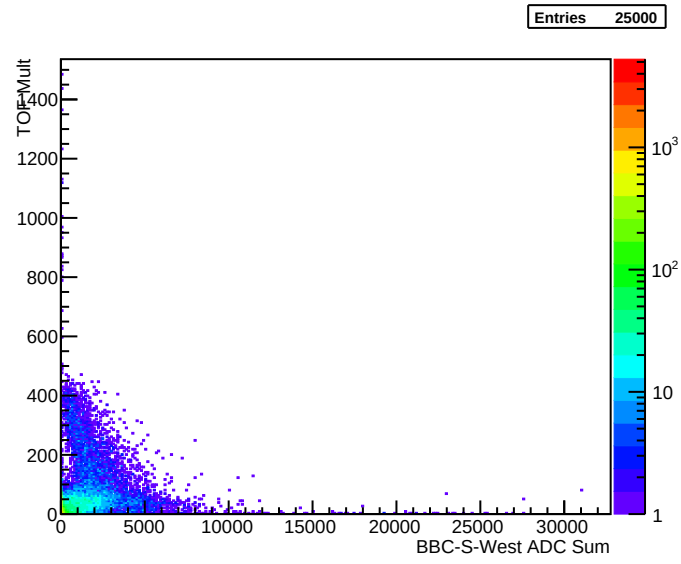

VT201 Input Ch4: VPD Tac Diff
Entries 25000
Tac

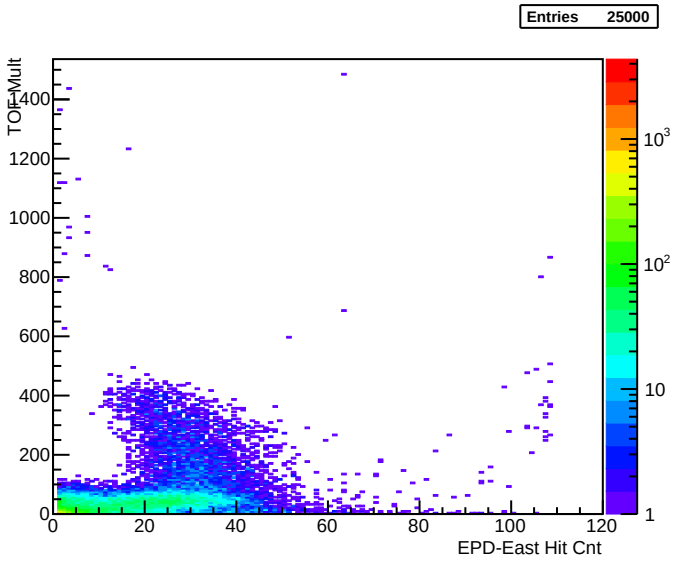

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

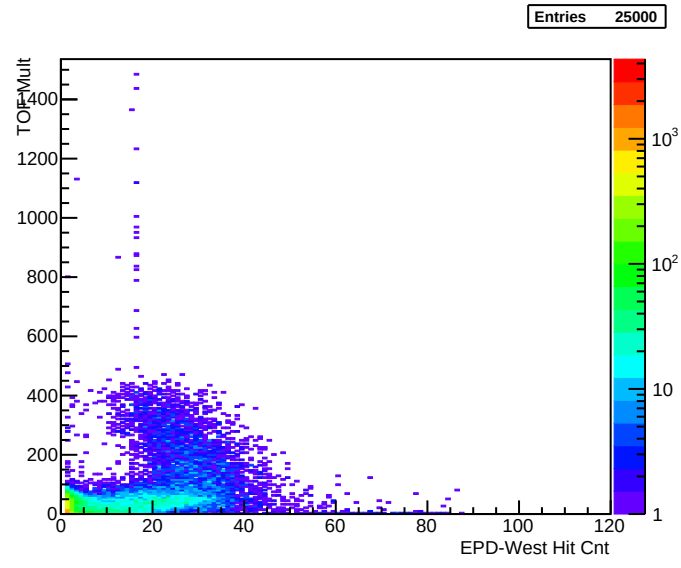

VT201 Input Ch4: VPD Adc Sum Th
Entries 50000
13465
10861
11535
14139
East
West

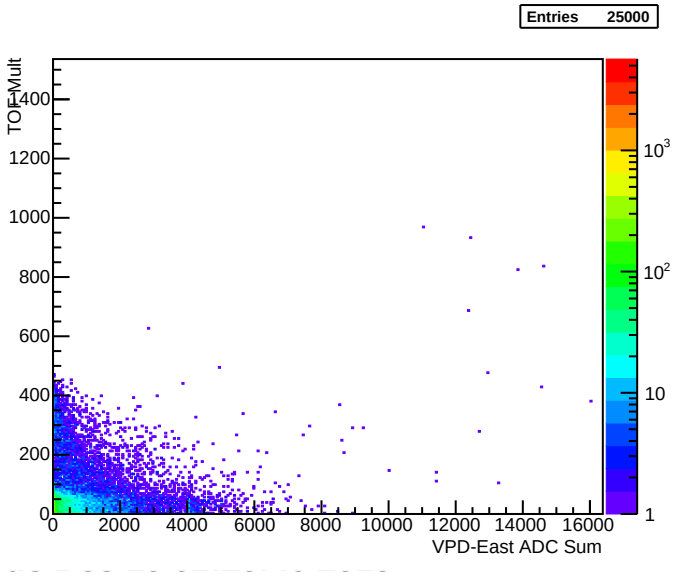

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

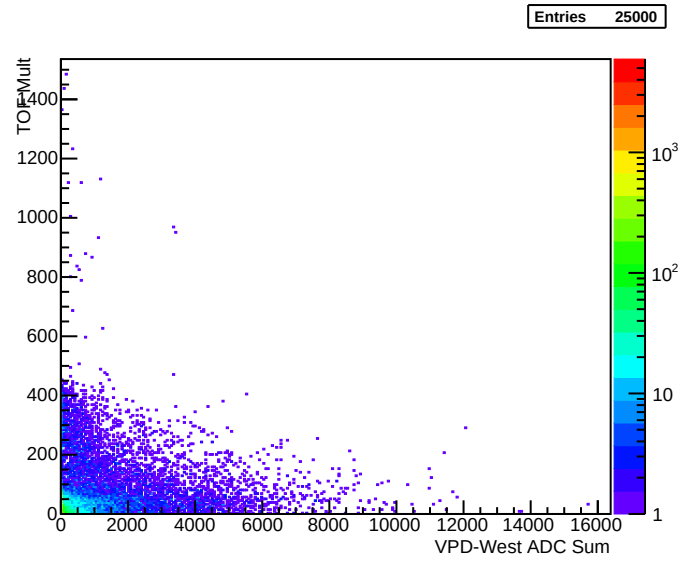

Entries 25000
TOF-Mult
BBC-S-East ADC Sum

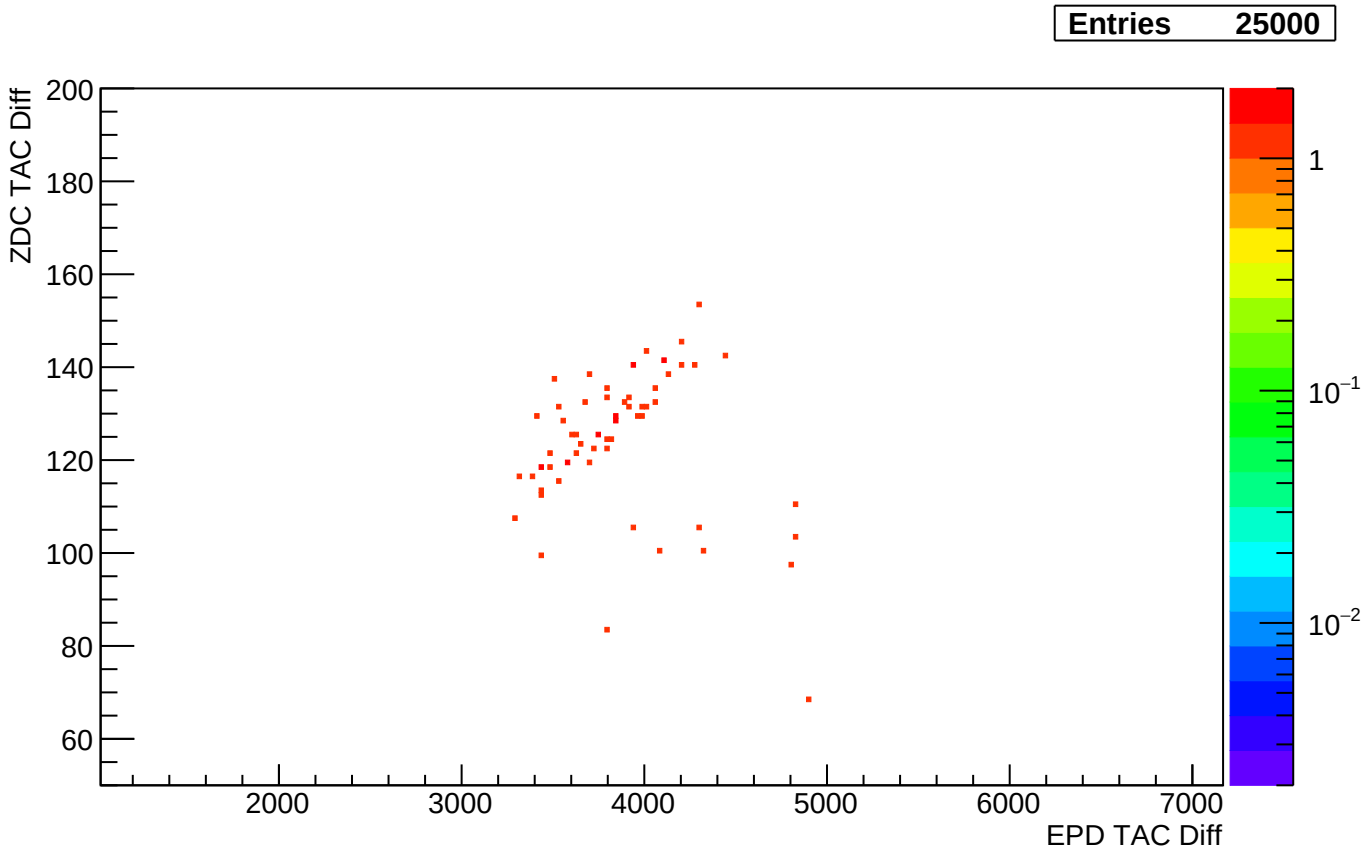

Entries 25000
TOF-Mult
BBC-S-West ADC Sum

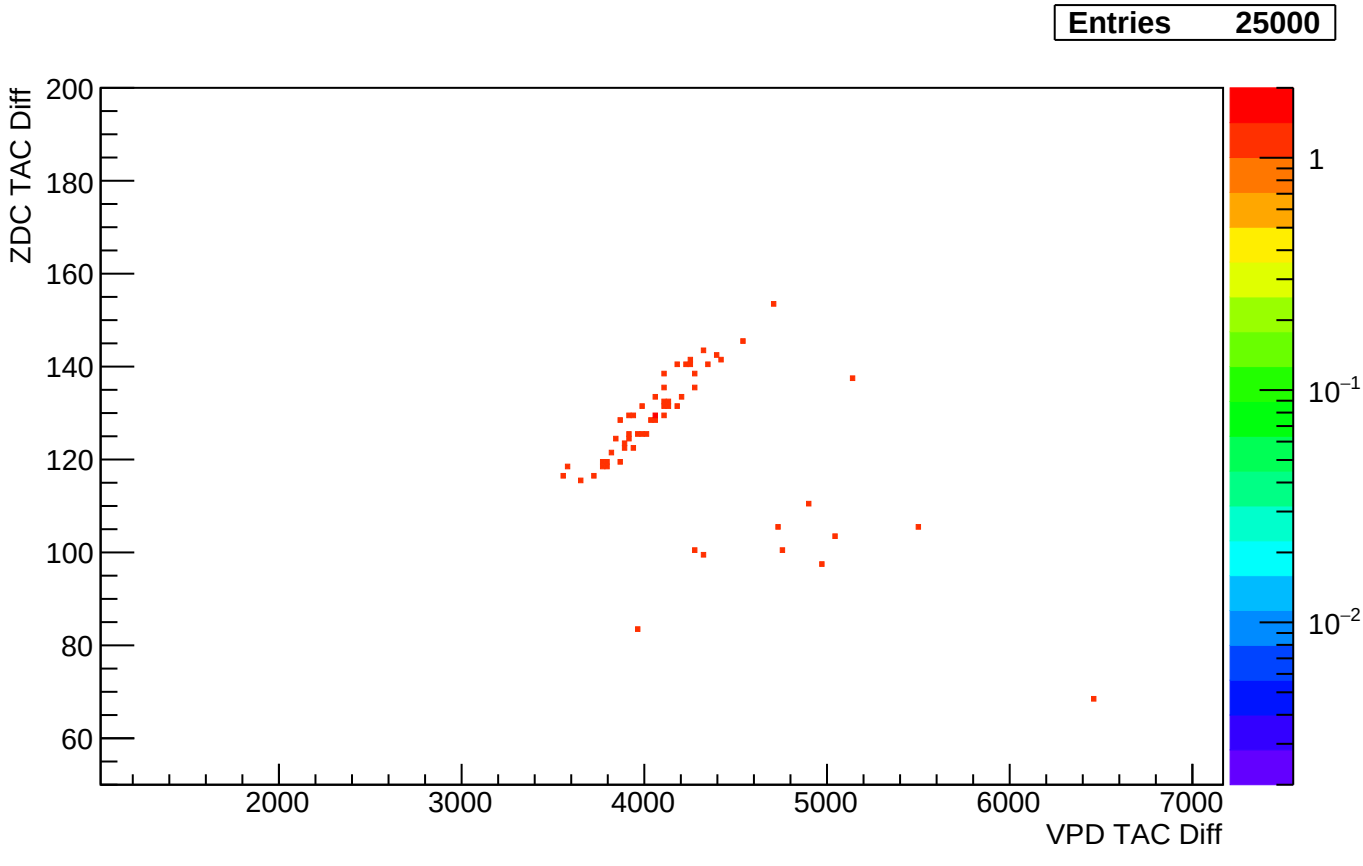

Entries 25000
TOF-Mult
EPD-East Hit Cnt

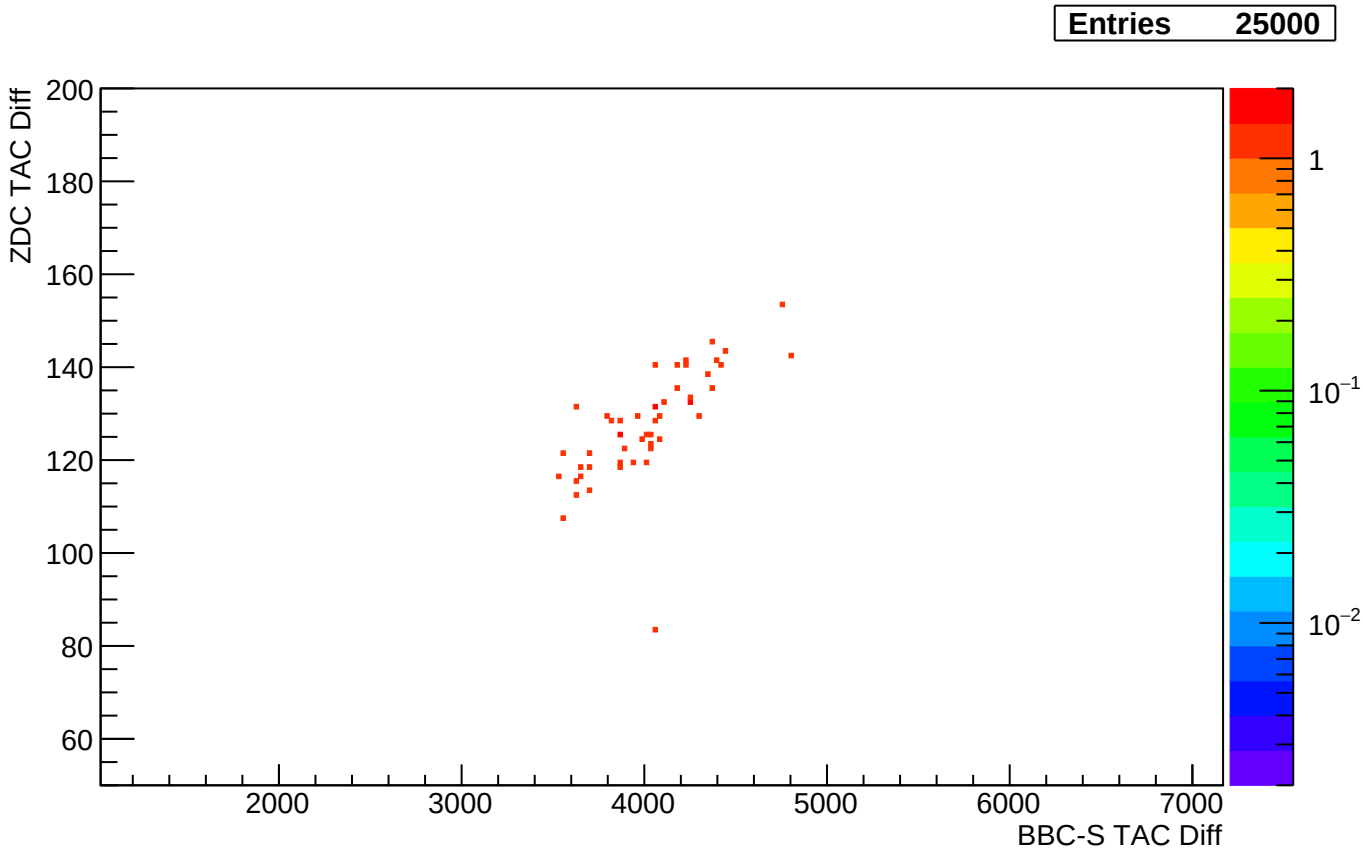

Entries 25000
TOF-Mult
EPD-West Hit Cnt

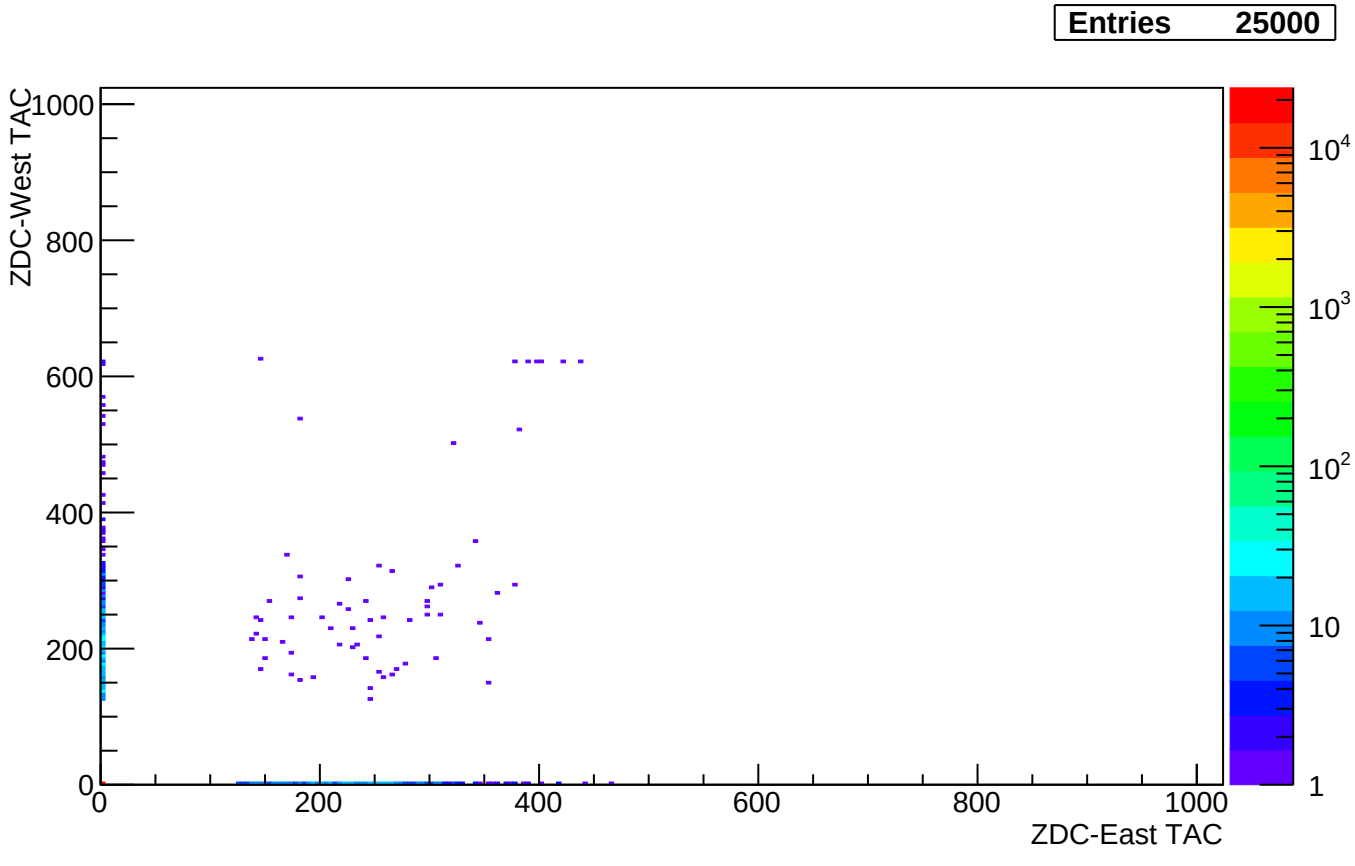

Entries 25000
TOF-Mult
VPD-East ADC Sum

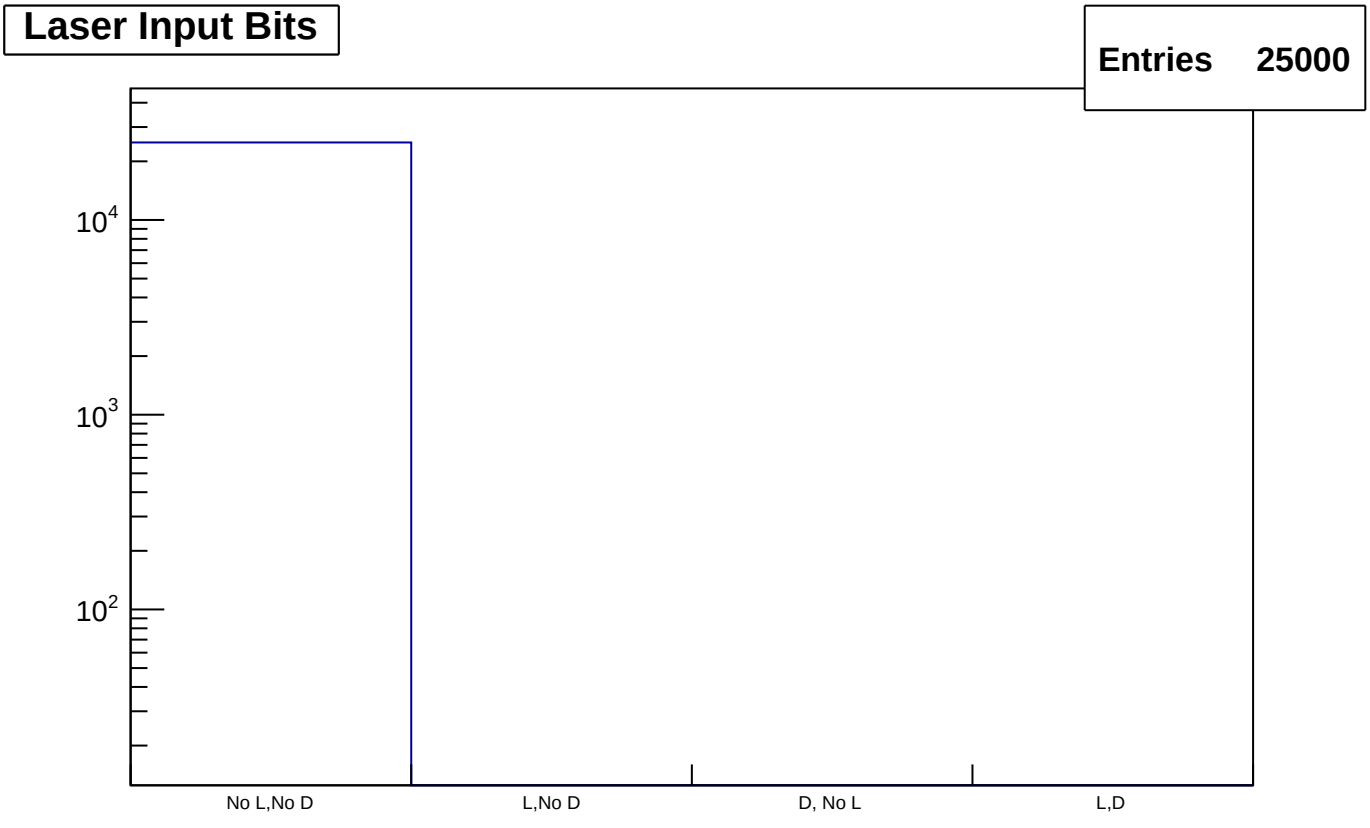

Entries 25000
TOF-Mult
VPD-West ADC Sum

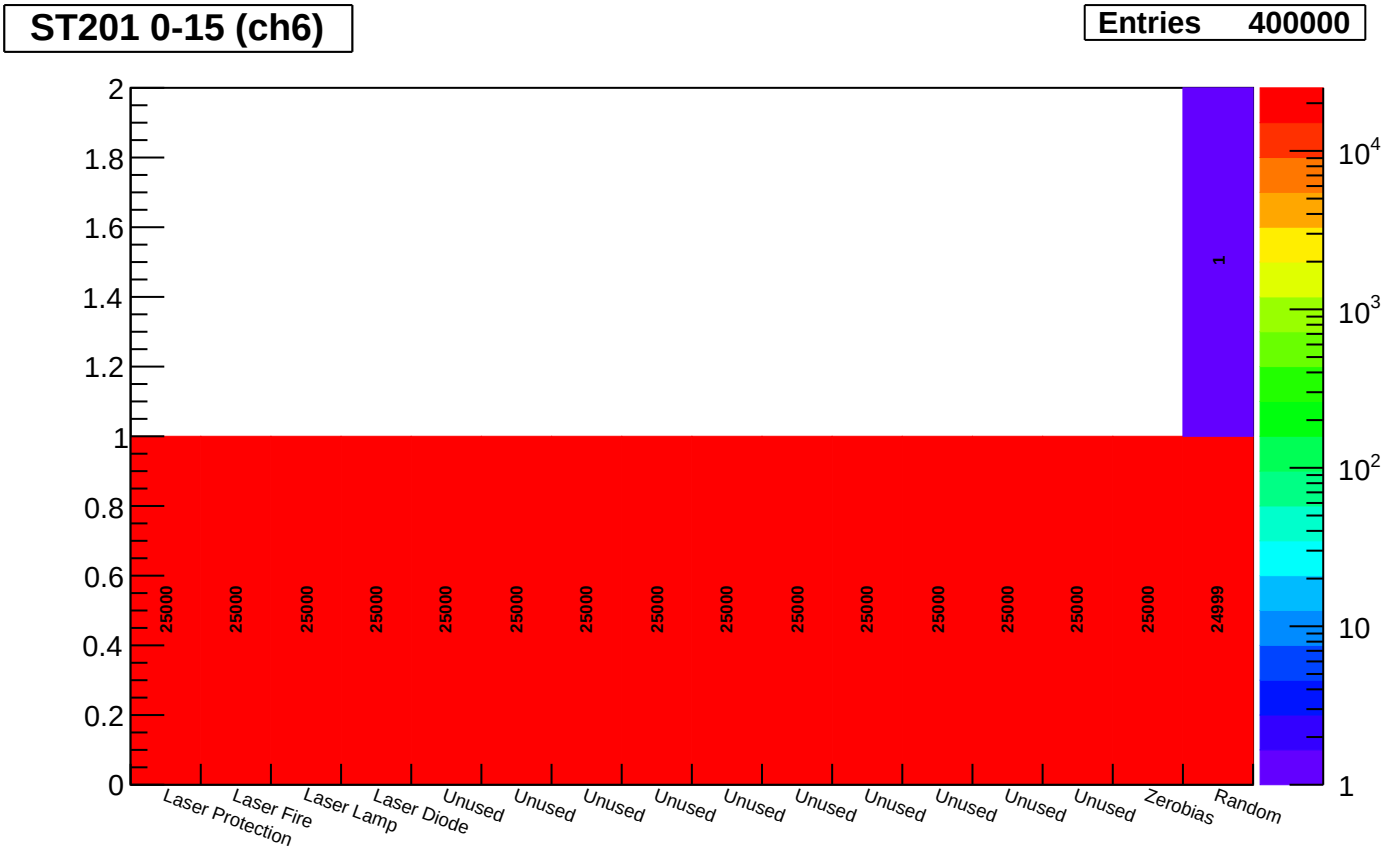

Entries 25000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

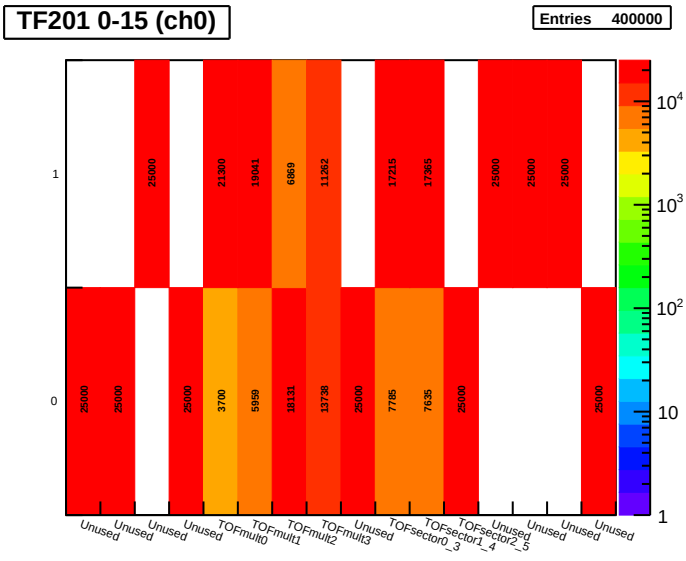

Entries 25000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

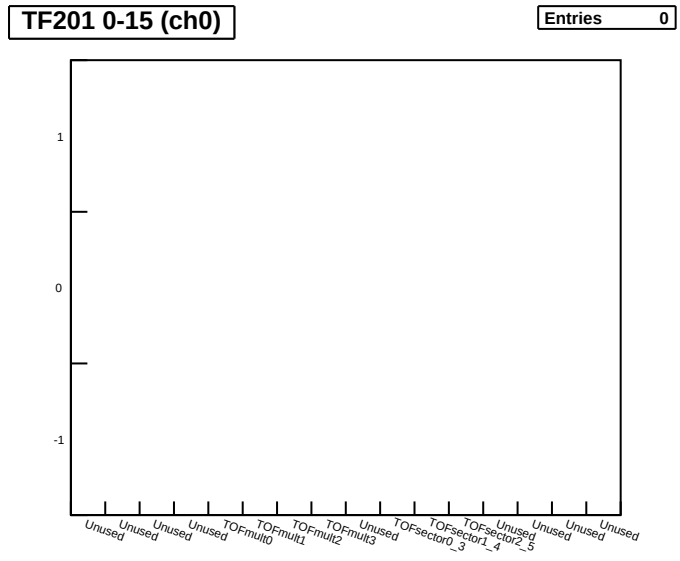

Entries 25000
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

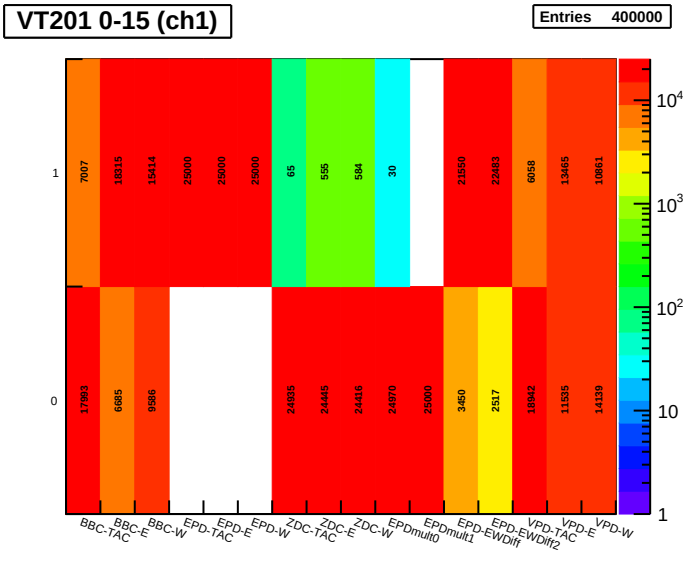

Entries 25000
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

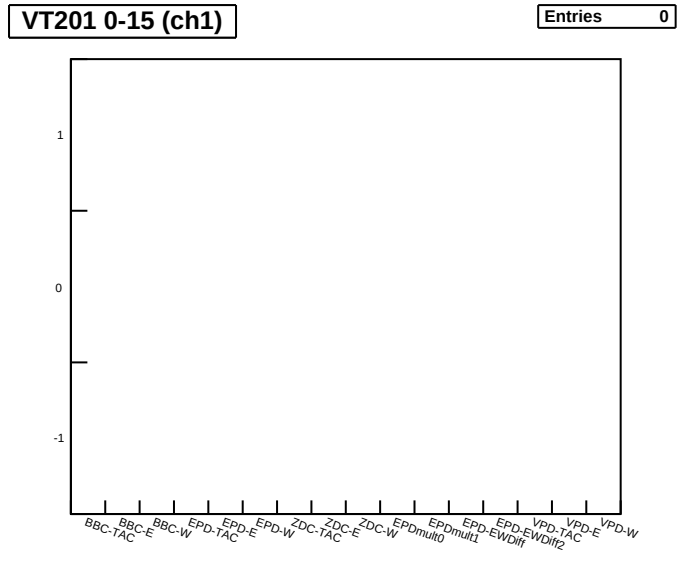

Laser Input Bits
Entries 25000
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

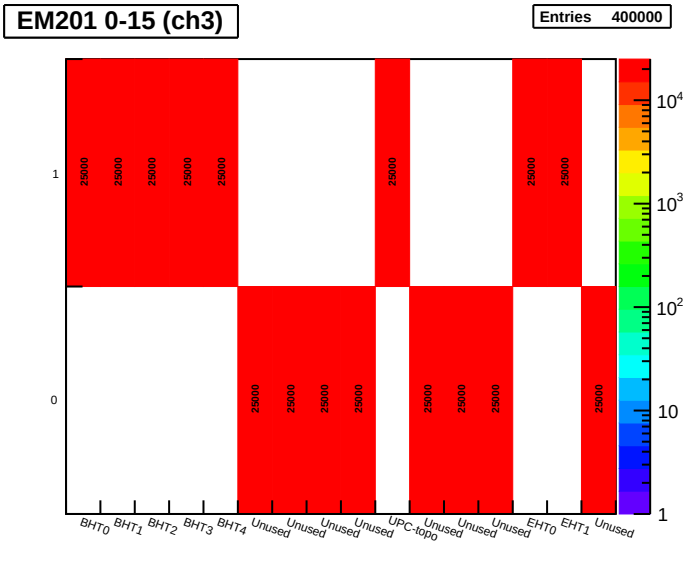

ST201 0-15 (ch6)
Entries 400000
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
25000
24999
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

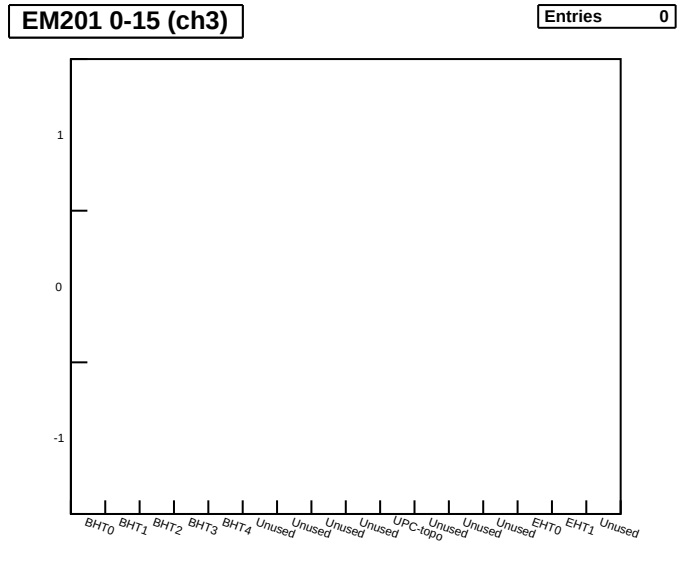

TF201 0-15 (ch0)
Entries 400000
1
0
25000 21300 19041 6869 11262 17215 17365 25000 25000 25000
25000 25000 25000 3700 5999 18131 13738 25000 7785 7635 25000 25000
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 400000
1
0
7007 18315 15414 25000 25000 25000 65 555 584 30 23550 22483 6058 13465 10861
17993 6685 9586 24835 24445 24416 24970 25000 3450 2517 18942 11535 14139
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 400000
1
0
25000 25000 25000 25000 25000 25000 25000 25000
25000 25000 25000 25000 25000 25000 25000 25000
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