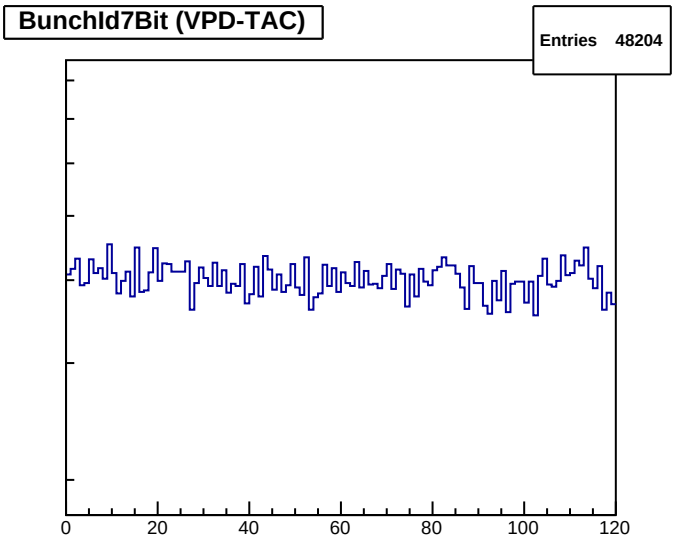
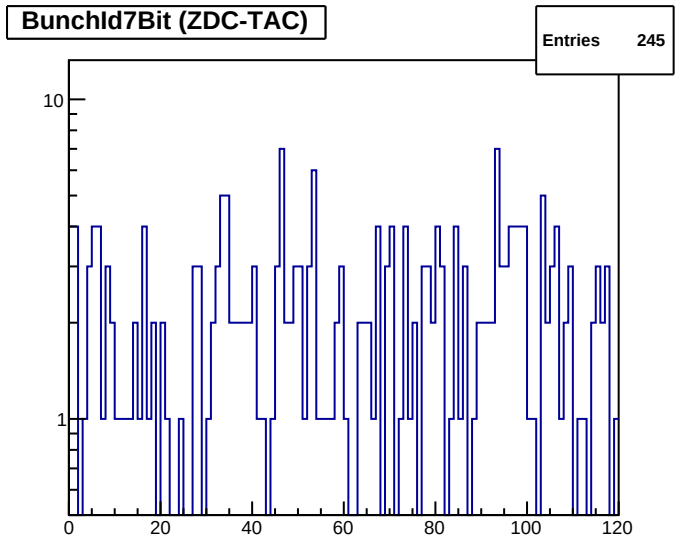
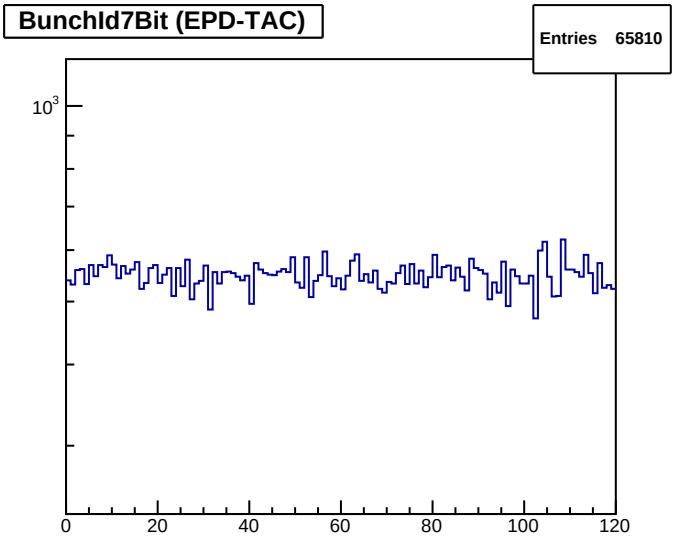
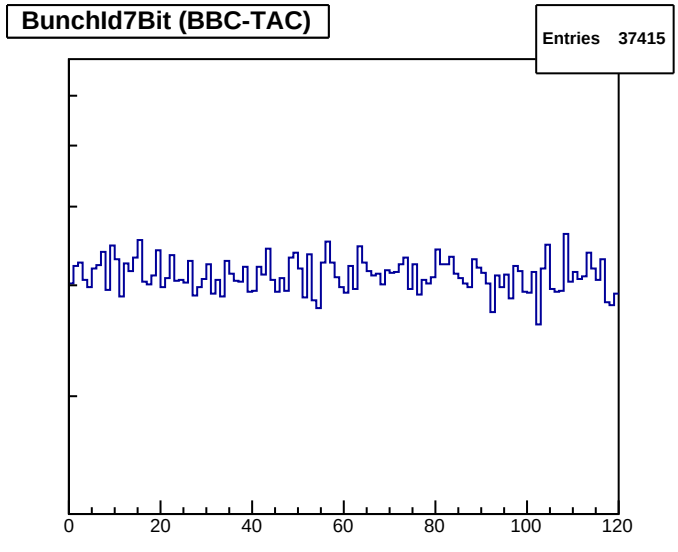
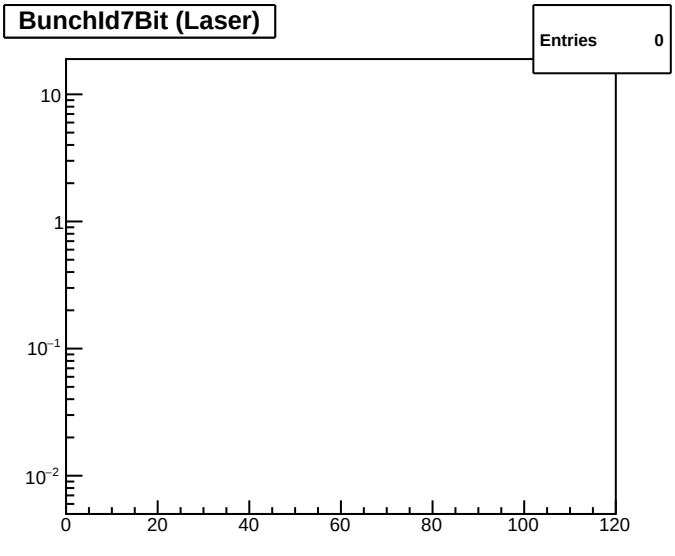
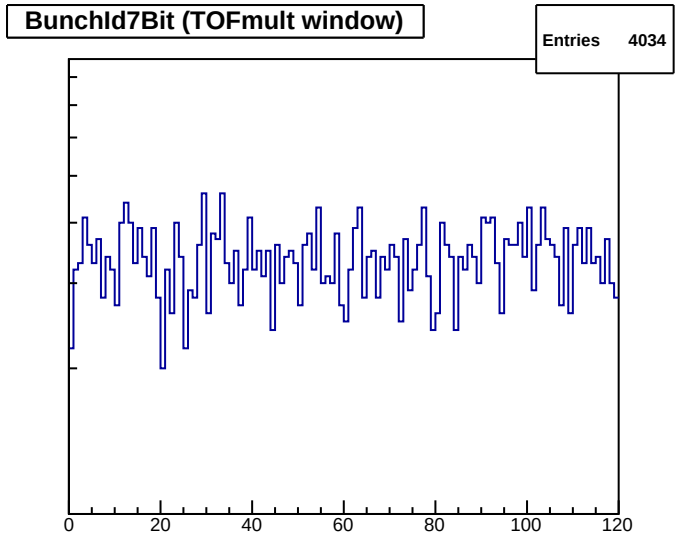

BunchId7Bit (VPD-TAC)
Entries 48204
0
20
40
60
80
100
120

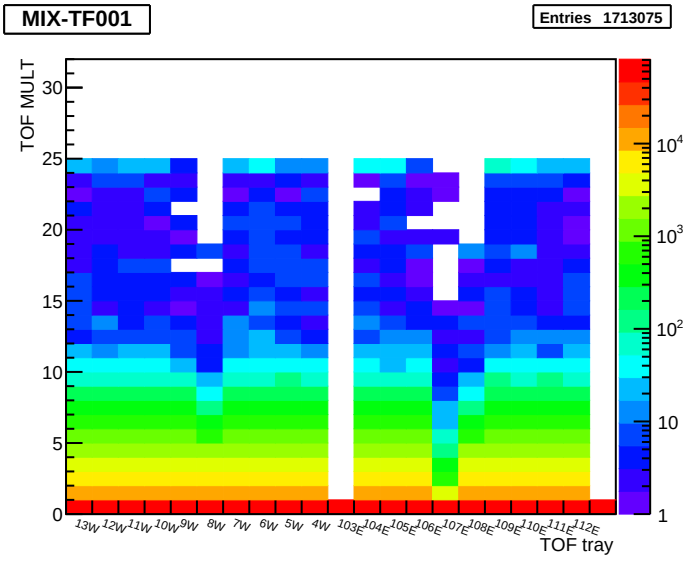

BunchId7Bit (ZDC-TAC)
Entries 245
10
1
0
20
40
60
80
100
120

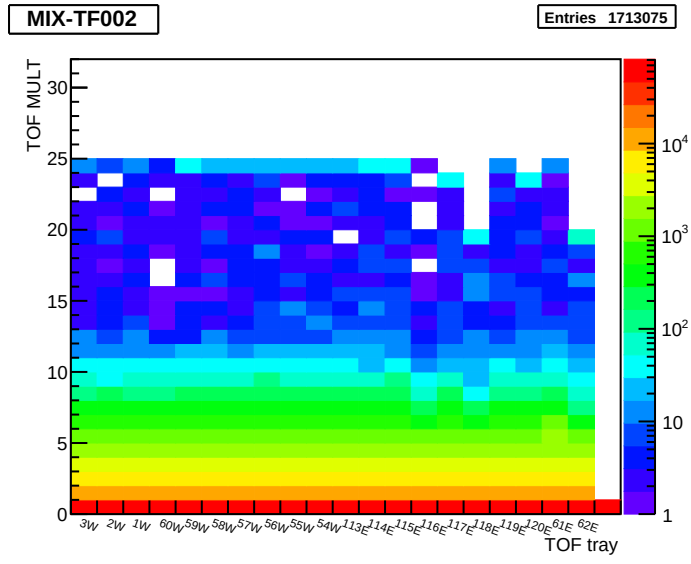

BunchId7Bit (EPD-TAC)
Entries 65810
10^3
0
20
40
60
80
100
120

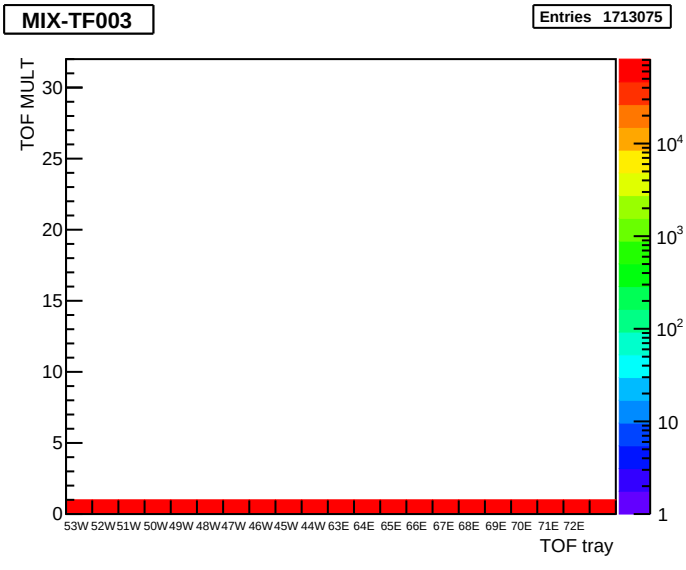

BunchId7Bit (BBC-TAC)
Entries 37415
0
20
40
60
80
100
120

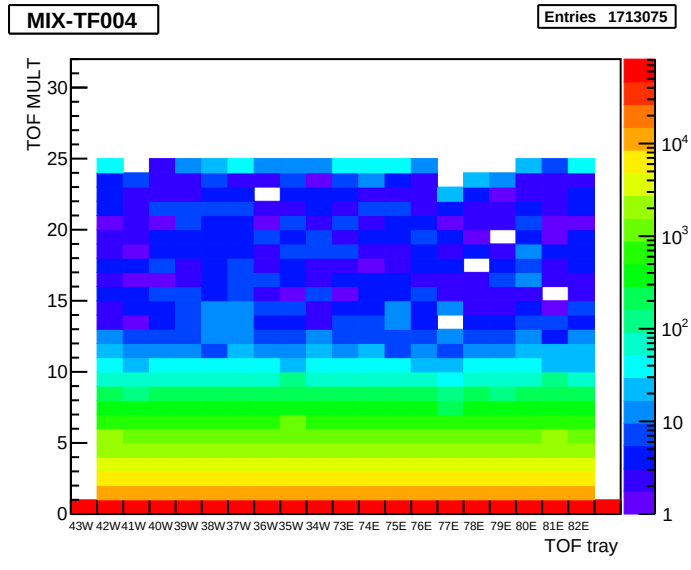

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

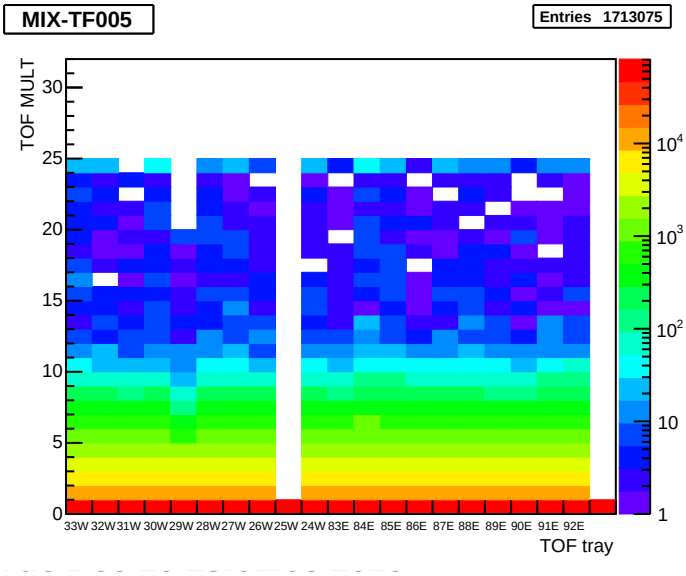

BunchId7Bit (TOFmult window)
Entries 4034
0
20
40
60
80
100
120

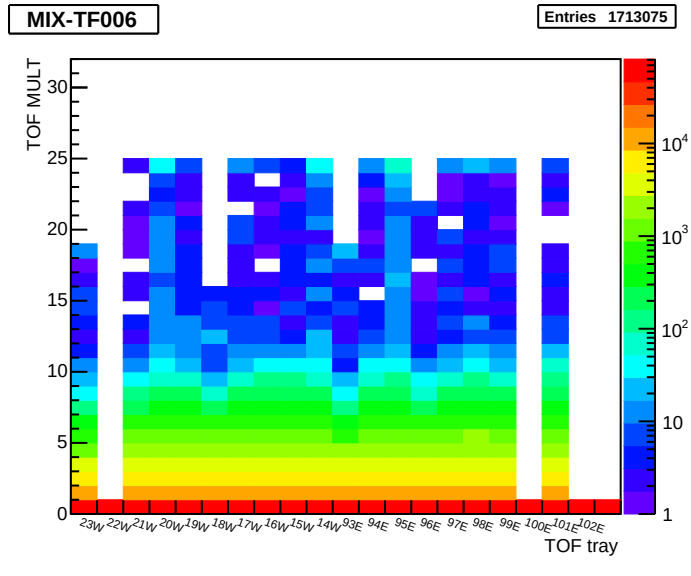

MIX-TF001
Entries 1713075
TOF MULT
TOF tray

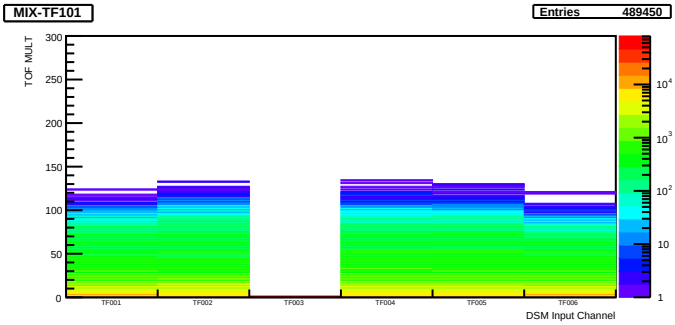

MIX-TF002
Entries 1713075
TOF MULT
TOF tray

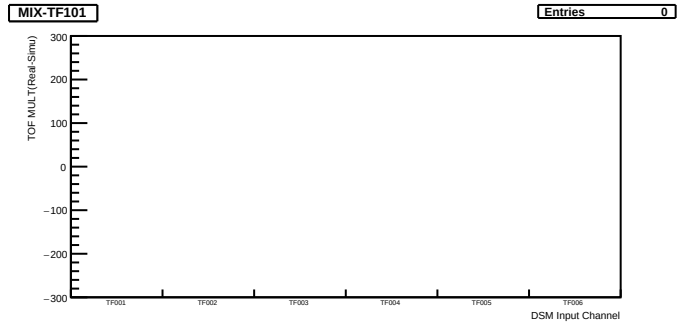

MIX-TF003
Entries 1713075
TOF MULT
TOF tray

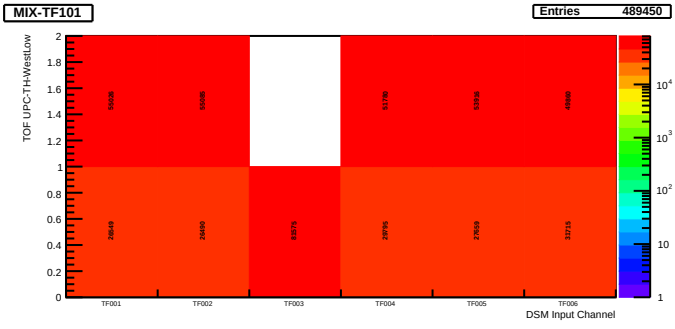

MIX-TF004
Entries 1713075
TOF MULT
TOF tray

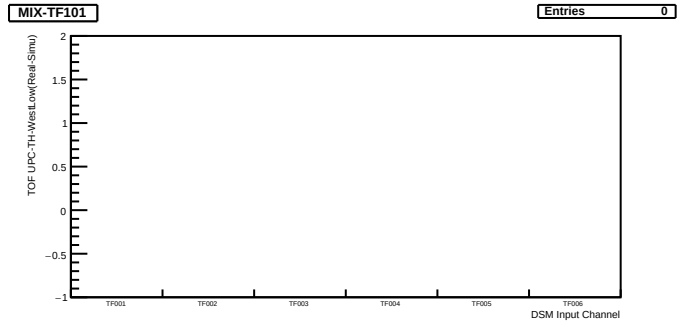

MIX-TF005
Entries 1713075
TOF MULT
TOF tray

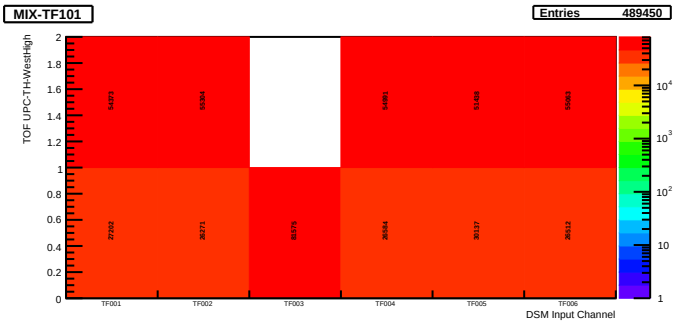

MIX-TF006
Entries 1713075
TOF MULT
TOF tray

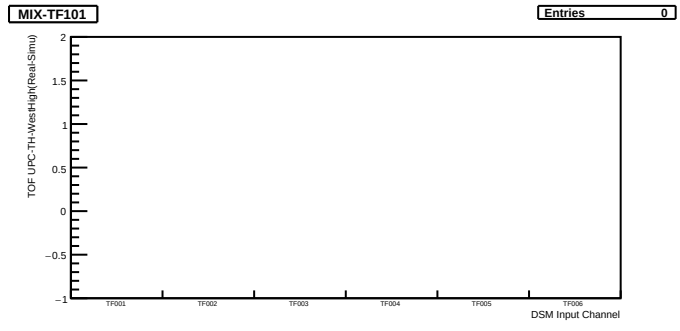

MIX-TF101
Entries 489450
TOF MULT
DSM Input Channel

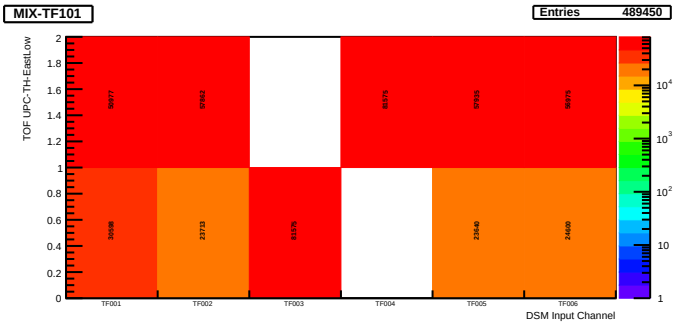

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel

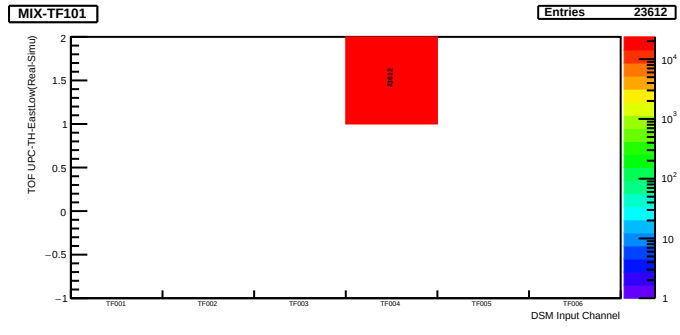

MIX-TF101
Entries 489450
TOF UPC-TH-WestLow
DSM Input Channel

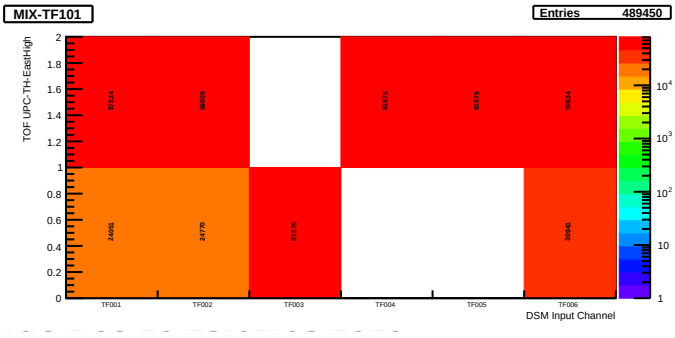

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel

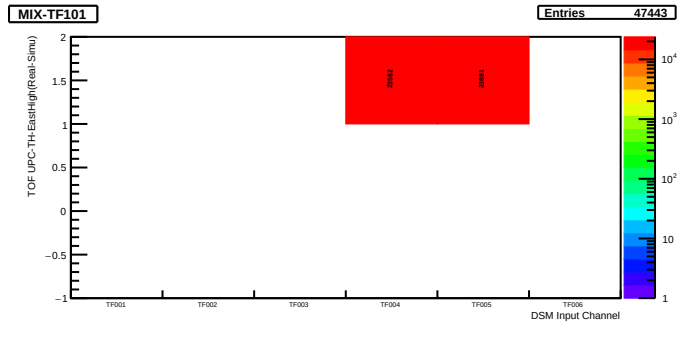

MIX-TF101
Entries 489450
TOF UPC-TH-WestHigh
DSM Input Channel

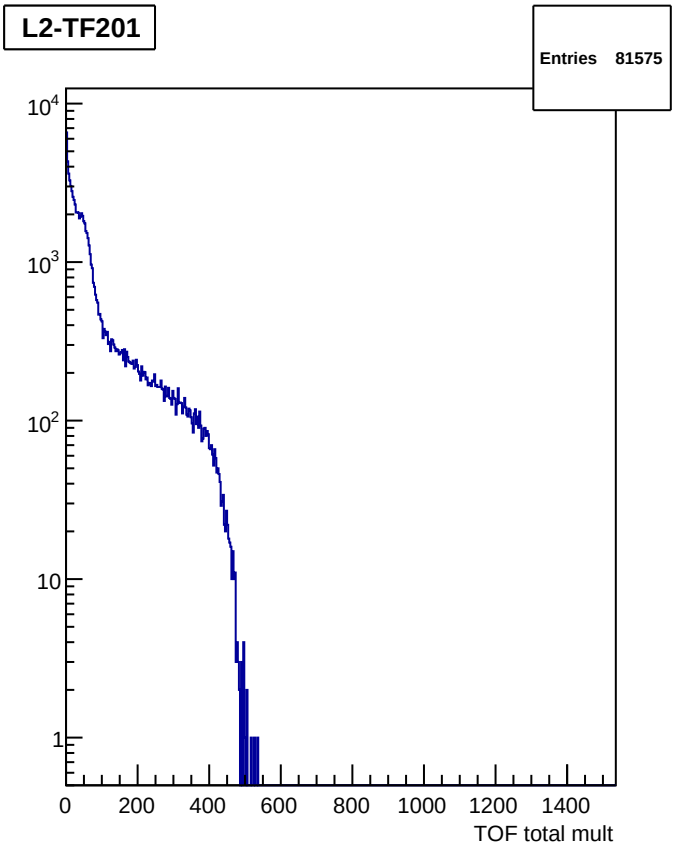

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel

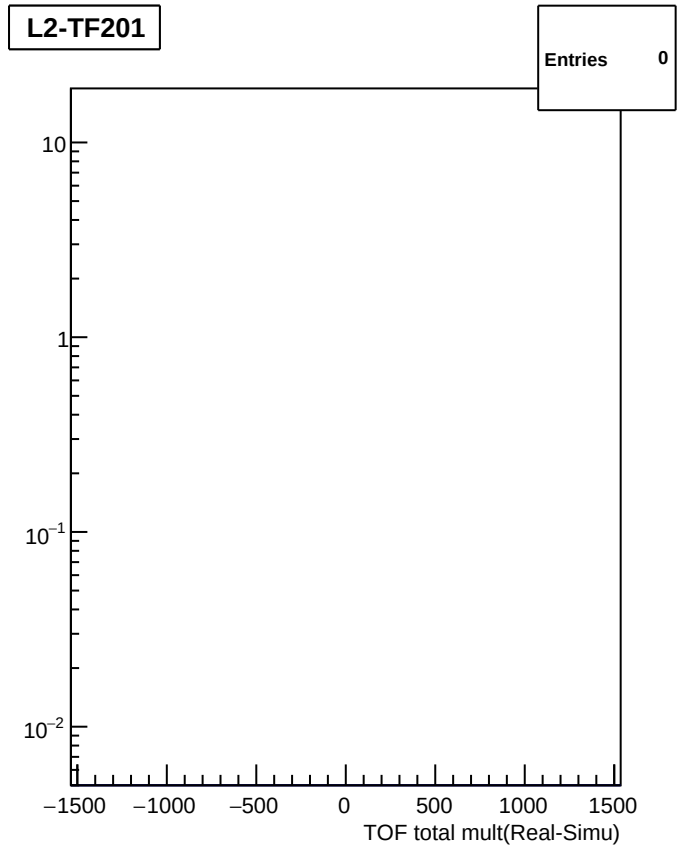

MIX-TF101
Entries 489450
TOF UPC-TH-EastLow
DSM Input Channel

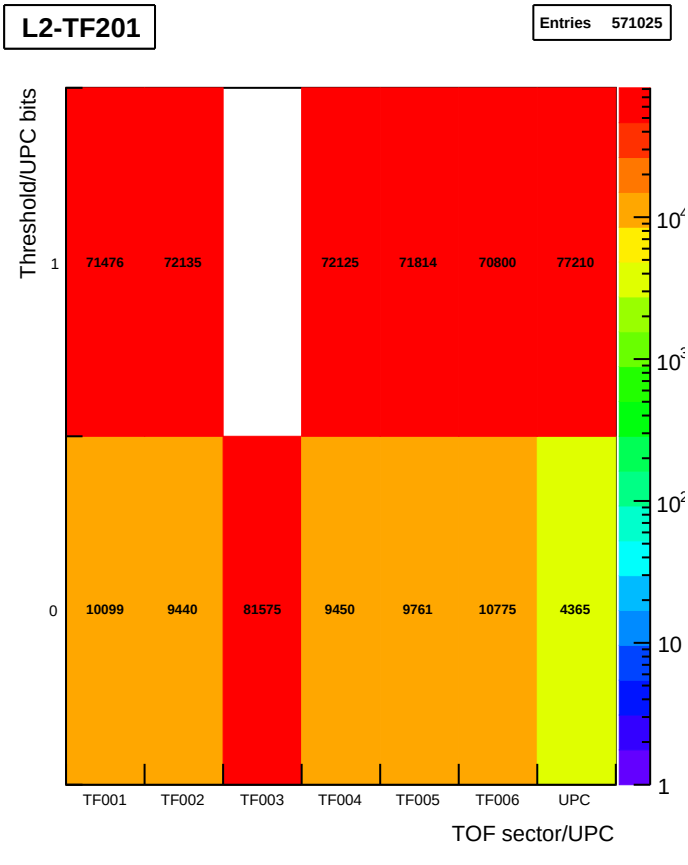

MIX-TF101
Entries 23612
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel

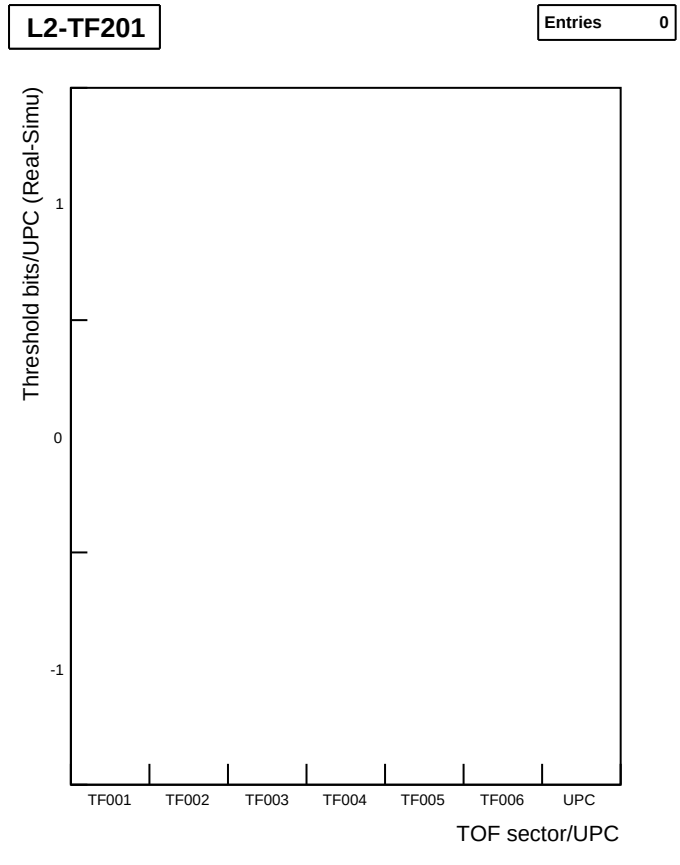

MIX-TF101
Entries 489450
TOF UPC-TH-EastHigh
DSM Input Channel

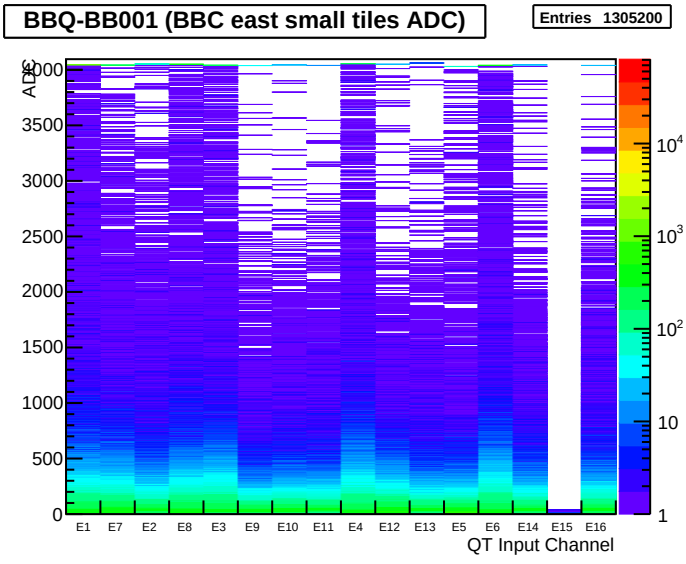

MIX-TF101
Entries 47443
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel

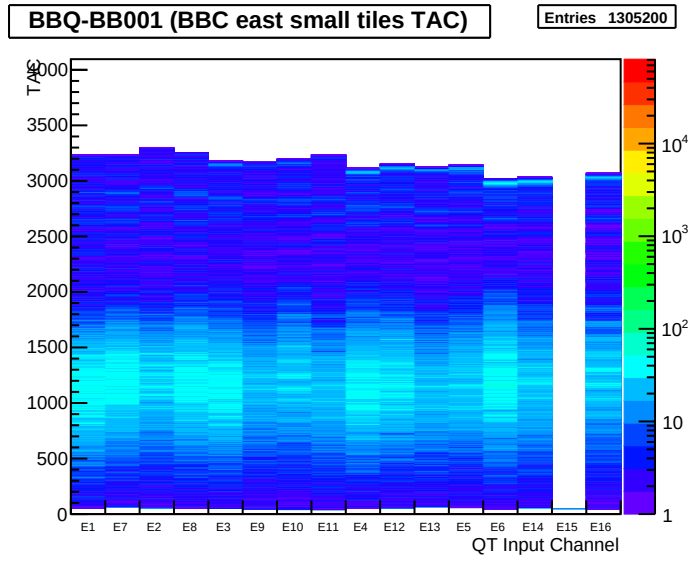

L2-TF201
Entries 81575
TOF total mult

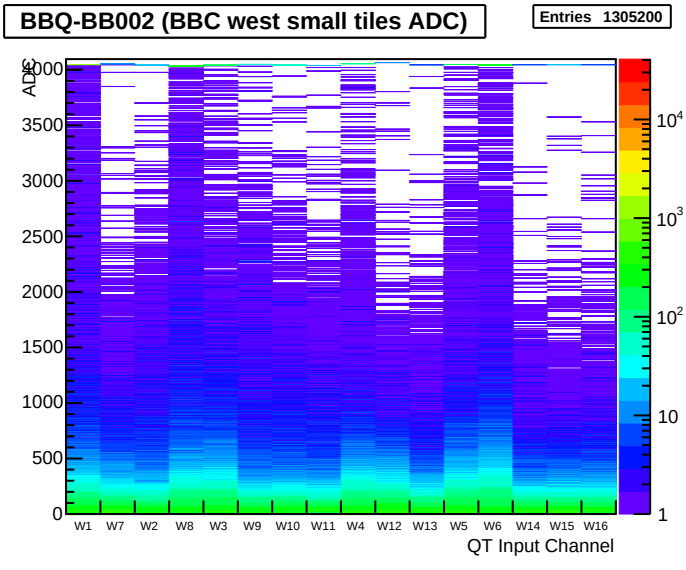

L2-TF201
Entries 0
TOF total mult(Real-Simu)

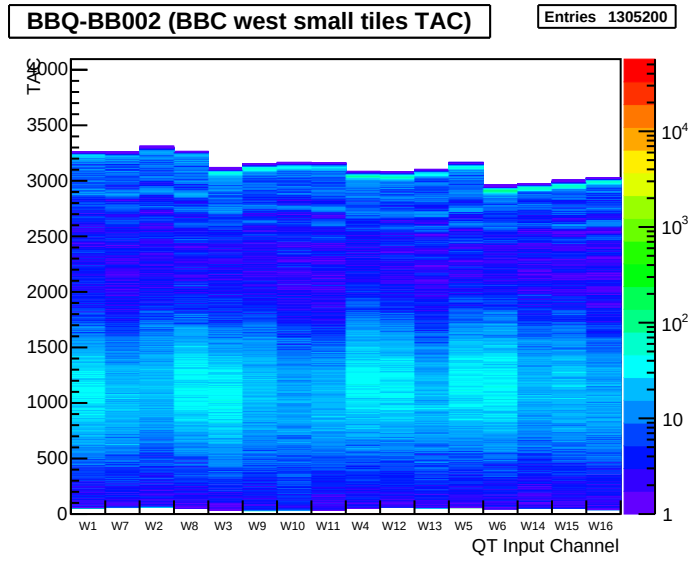

L2-TF201
Entries 571025
Threshold/UPC bits
71476
72135
72125
71814
70800
77210
10099
9440
81575
9450
9761
10775
4365
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

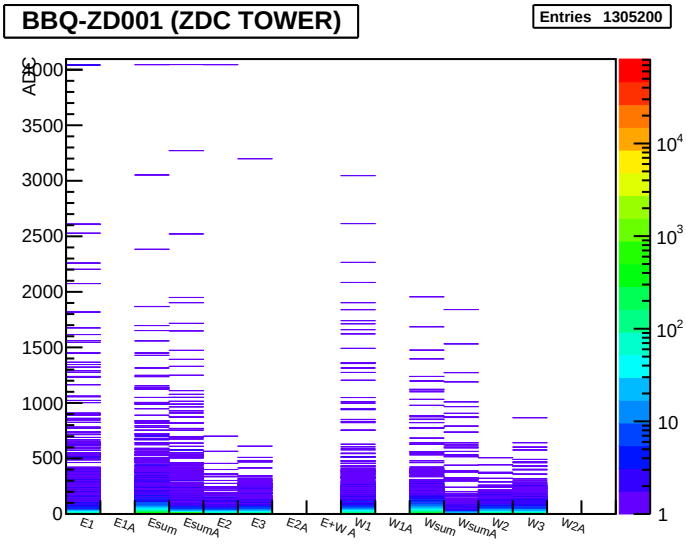

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

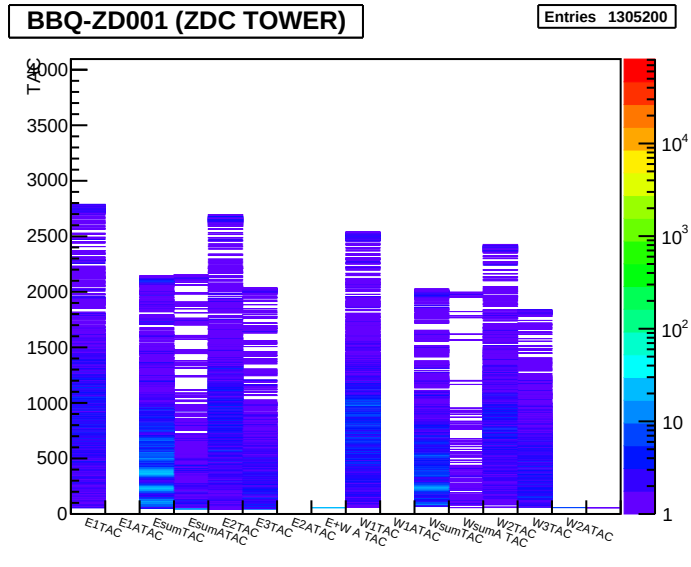

BBQ-BB001 (BBC east small tiles ADC)
Entries 1305200
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

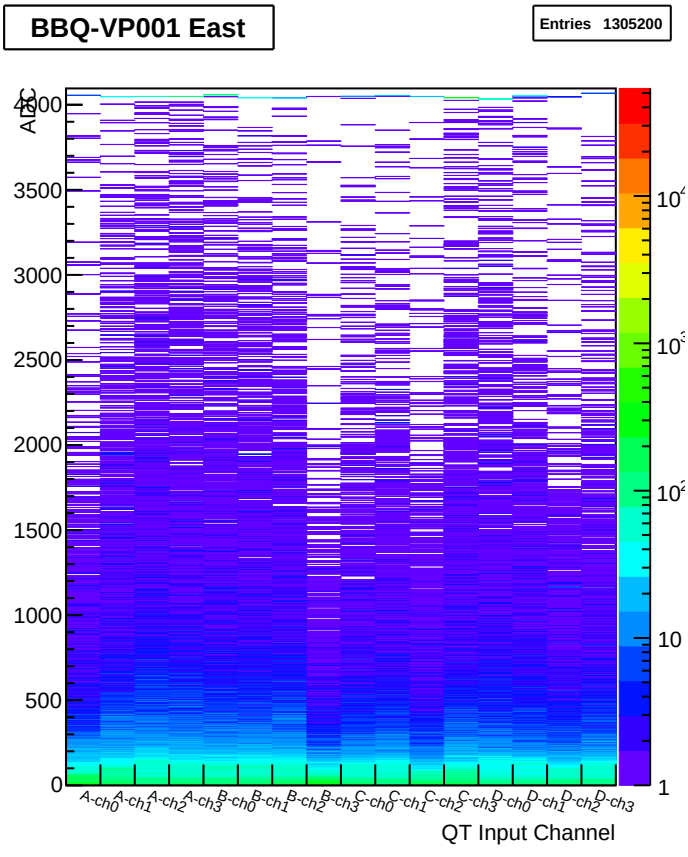

BBQ-BB001 (BBC east small tiles TAC)
Entries 1305200
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

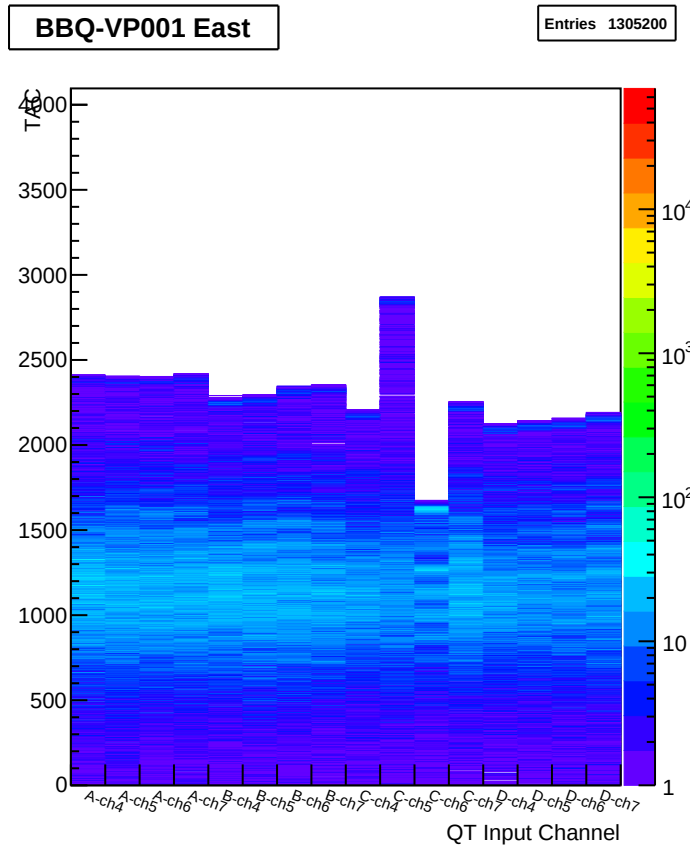

BBQ-BB002 (BBC west small tiles ADC)
Entries 1305200
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

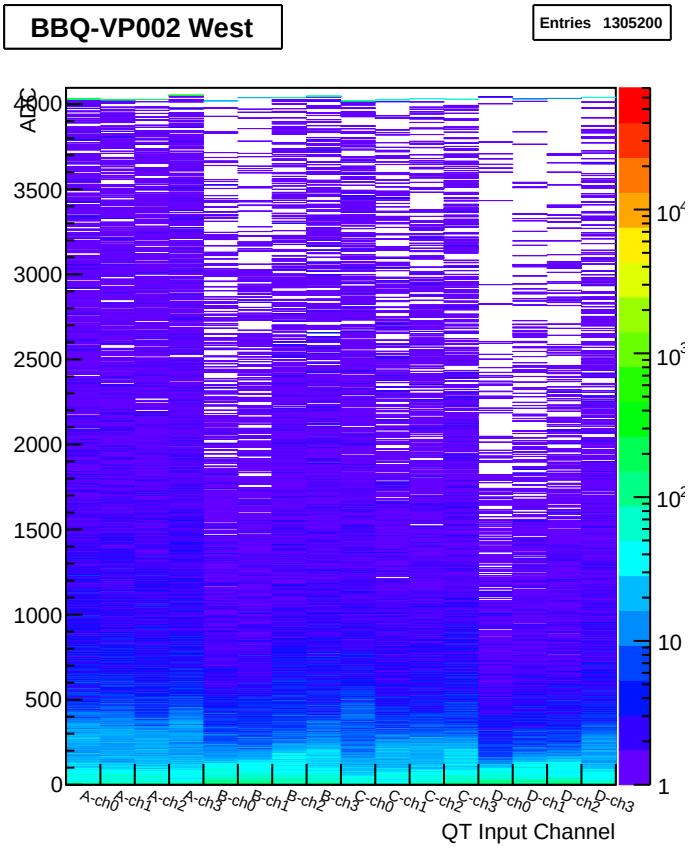

BBQ-BB002 (BBC west small tiles TAC)
Entries 1305200
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

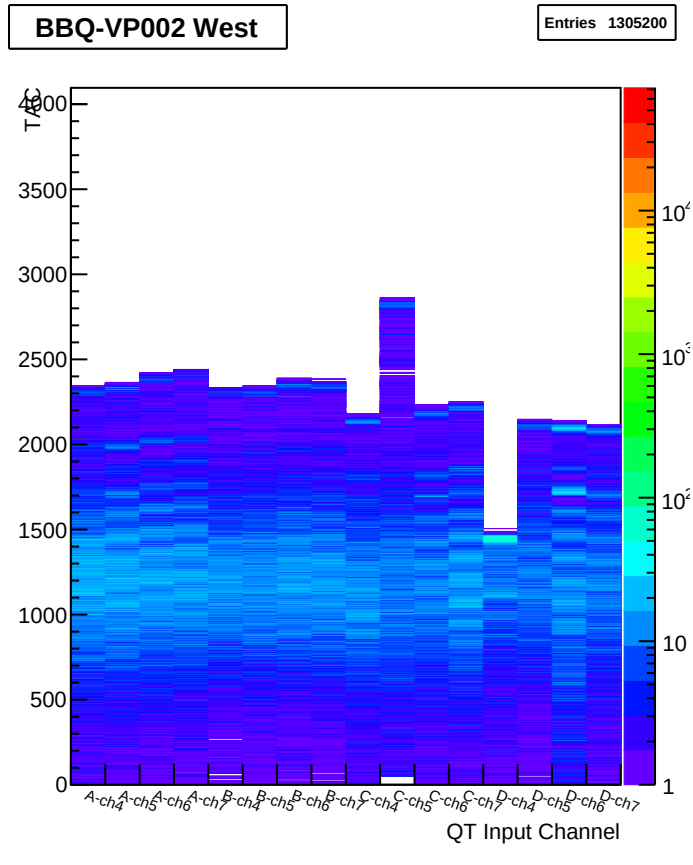

BBQ-ZD001 (ZDC TOWER)
Entries 1305200
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

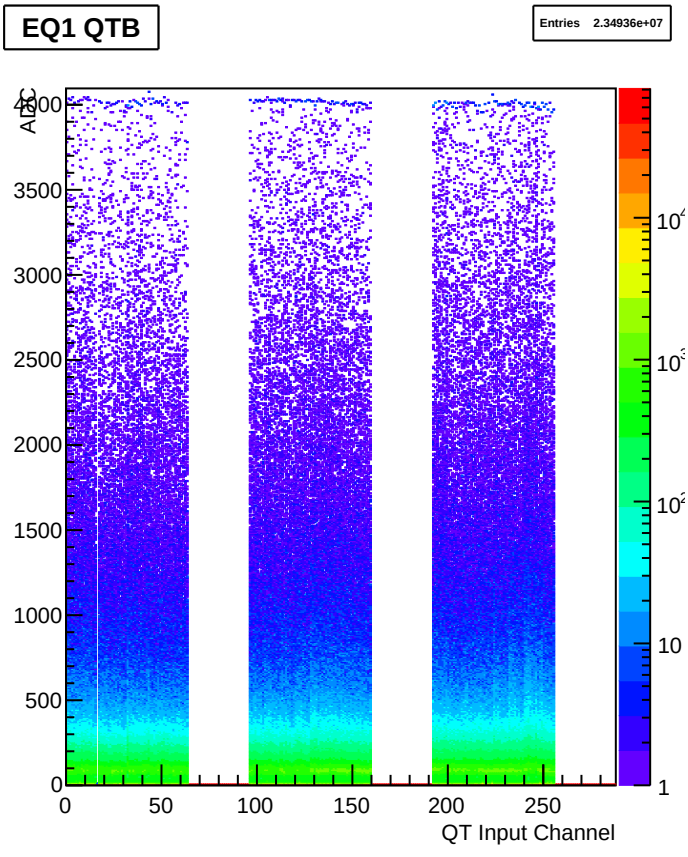

BBQ-ZD001 (ZDC TOWER)
Entries 1305200
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

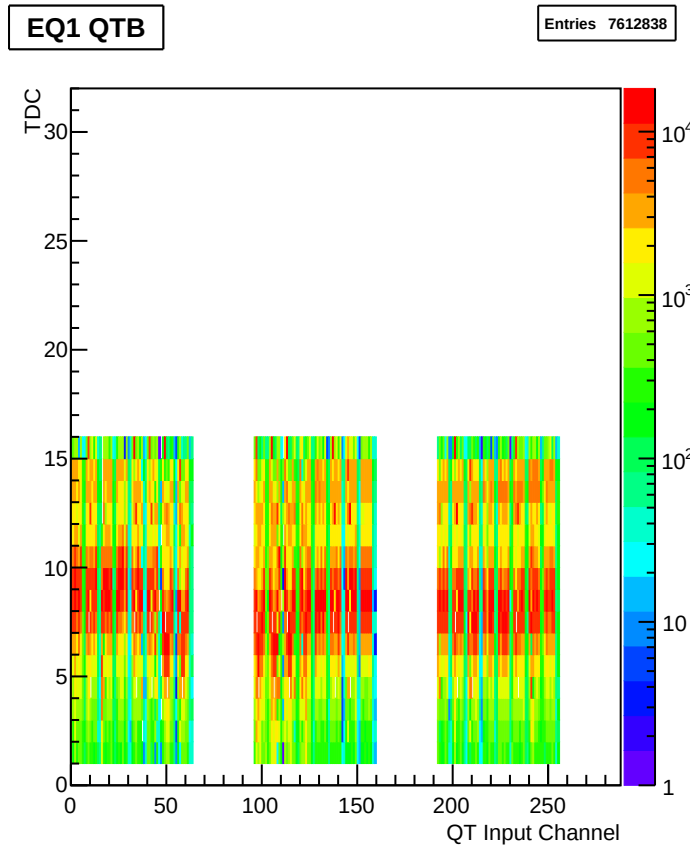

BBQ-VP001 East
Entries 1305200
ADC
QT Input Channel

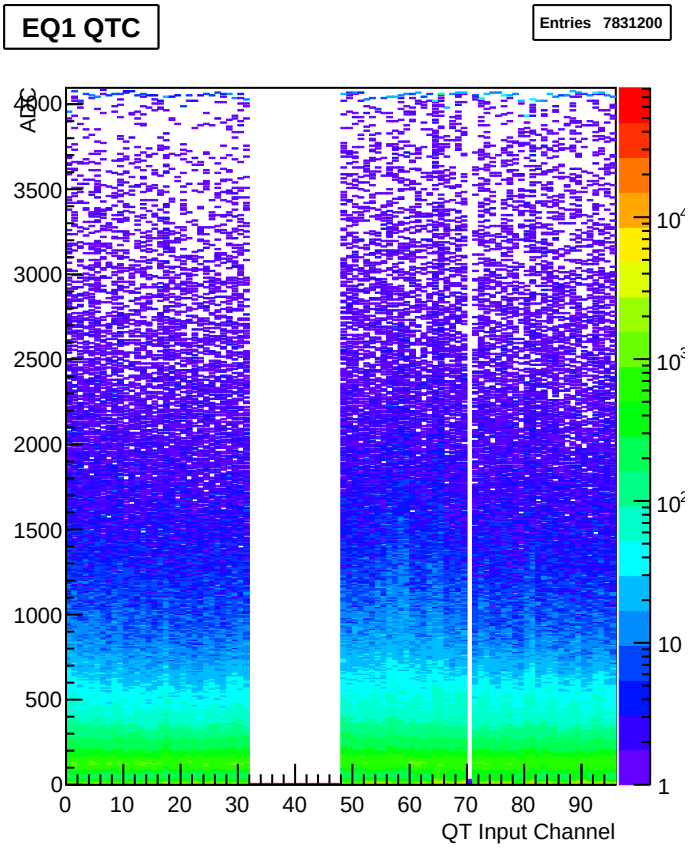

BBQ-VP001 East
Entries 1305200
TADC
QT Input Channel

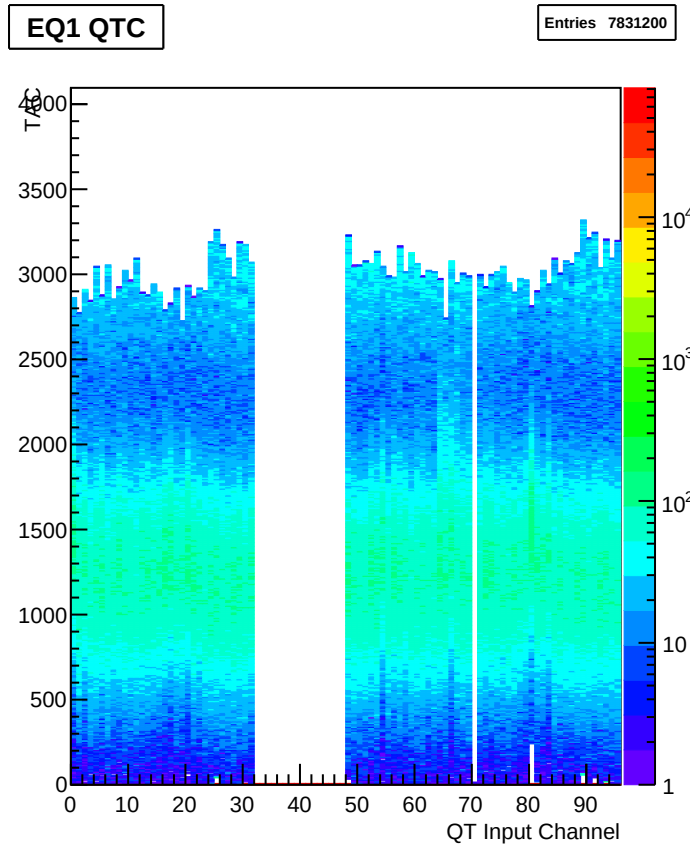

BBQ-VP002 West
Entries 1305200
ADC
QT Input Channel

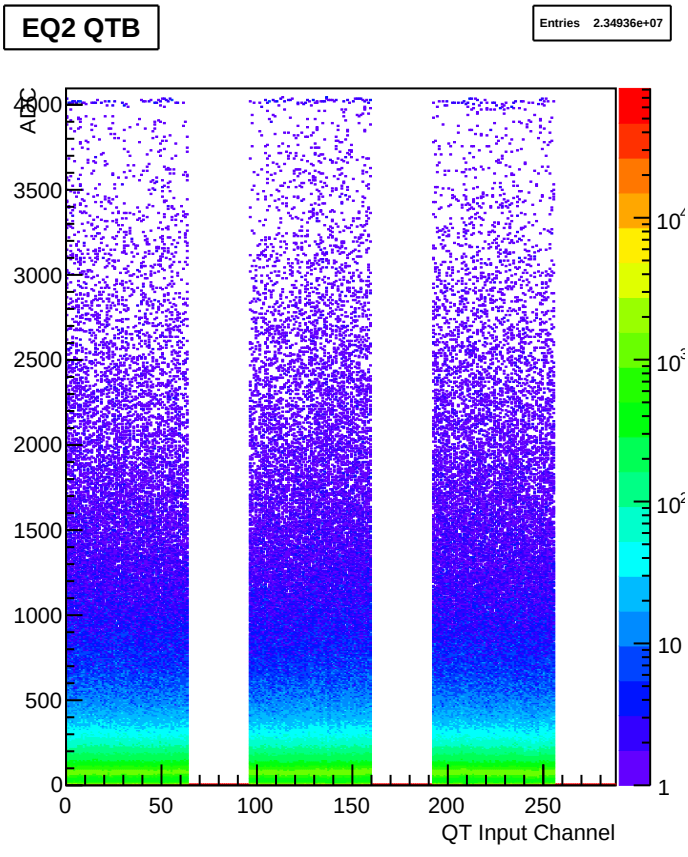

BBQ-VP002 West
Entries 1305200
TADC
QT Input Channel

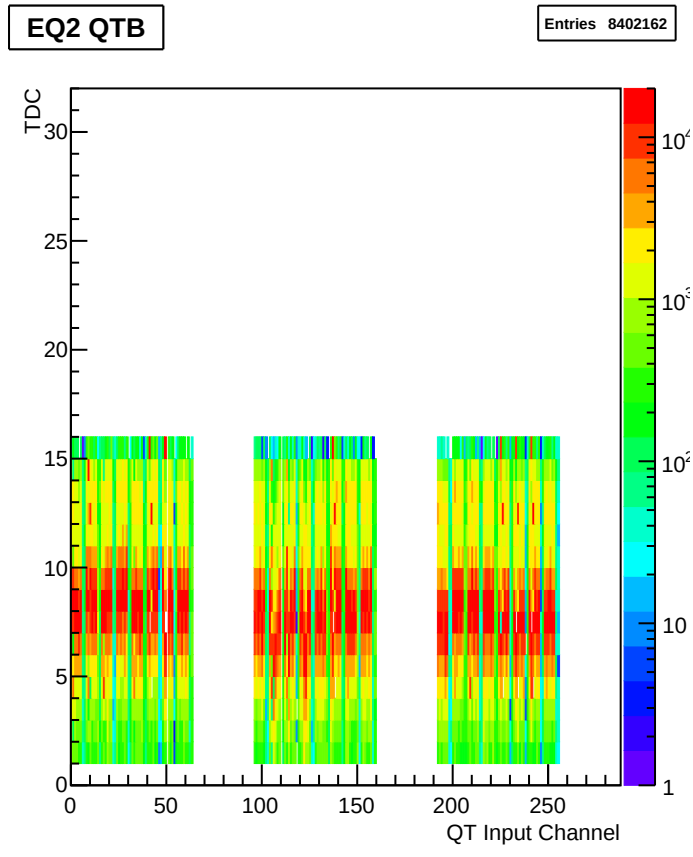

EQ1 QTB
Entries 2.34936e+07
ADC
QT Input Channel

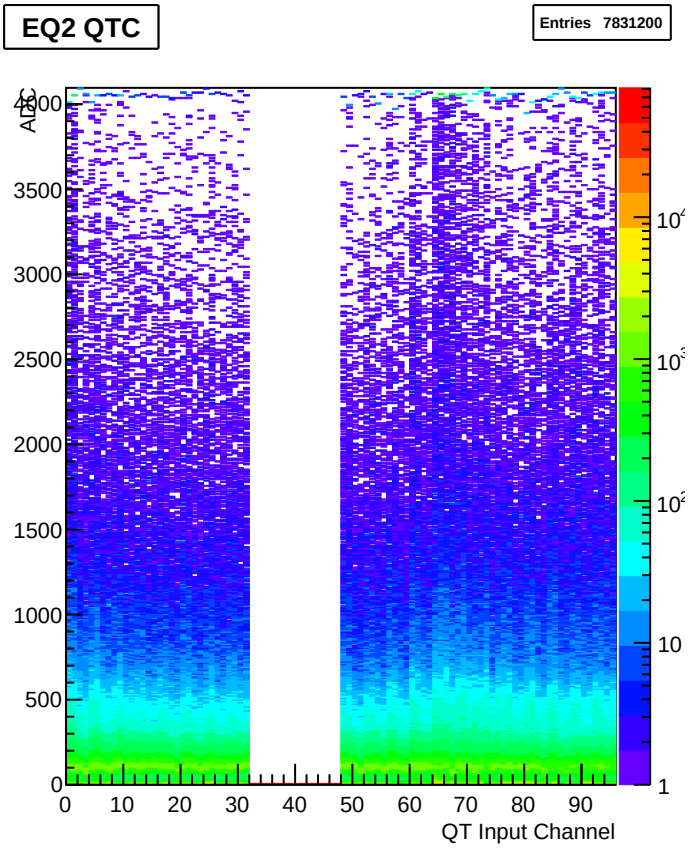

EQ1 QTB
Entries 7612838
TDC
QT Input Channel

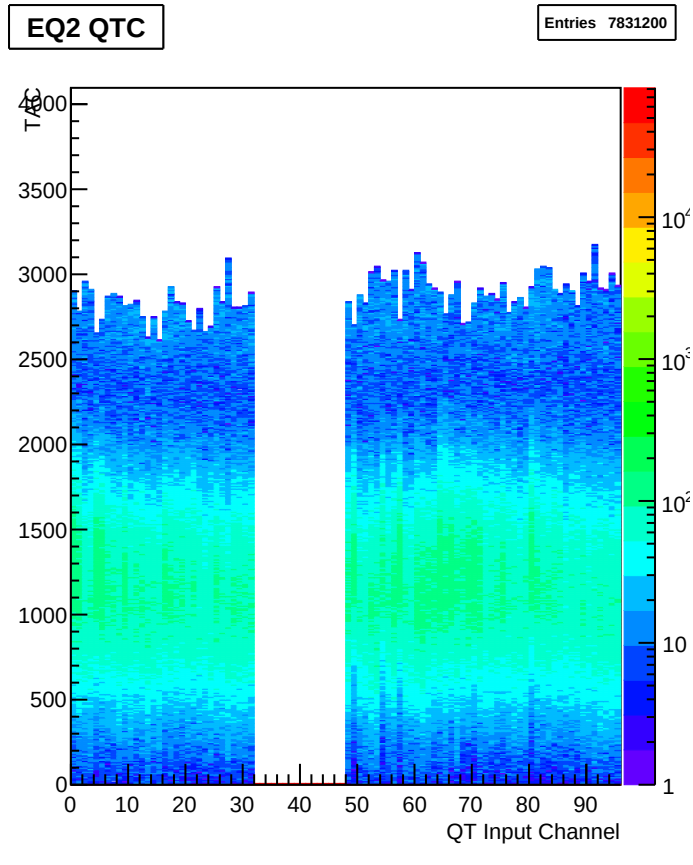

EQ1 QTC
Entries 7831200
ADC
QT Input Channel

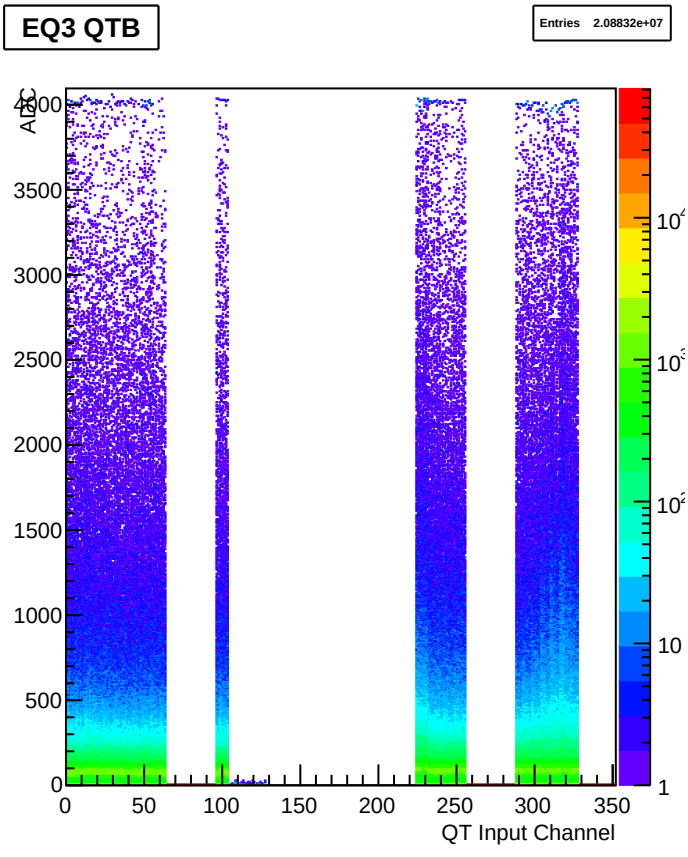

EQ1 QTC
Entries 7831200
TADC
QT Input Channel

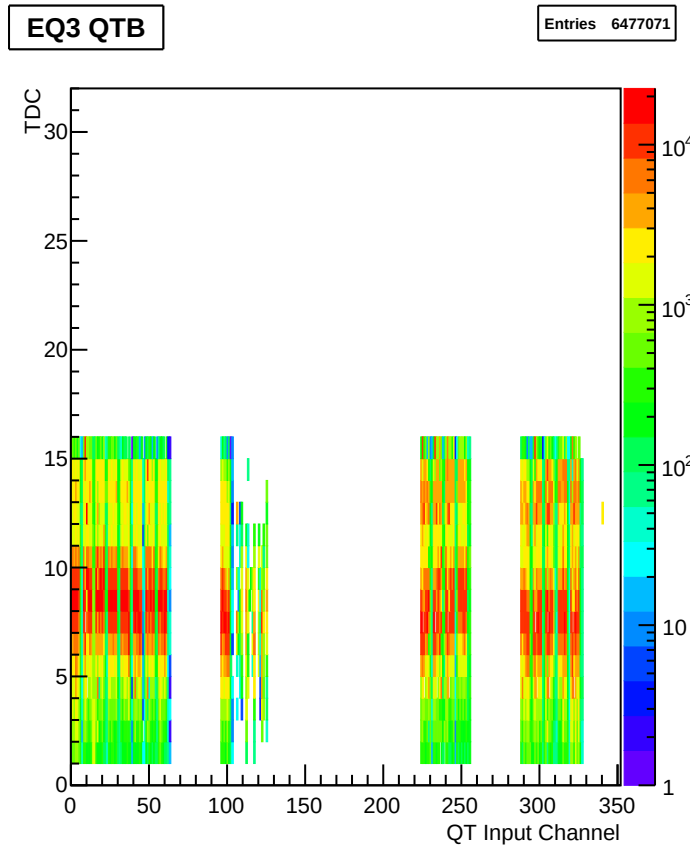

EQ2 QTB
Entries 2.34936e+07
ADC
QT Input Channel

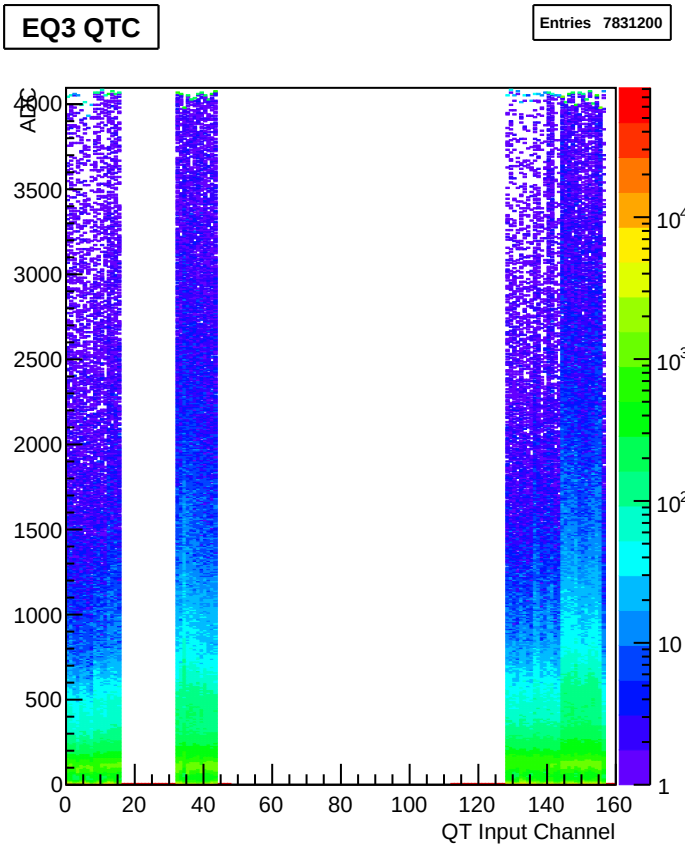

EQ2 QTB
Entries 8402162
TDC
QT Input Channel

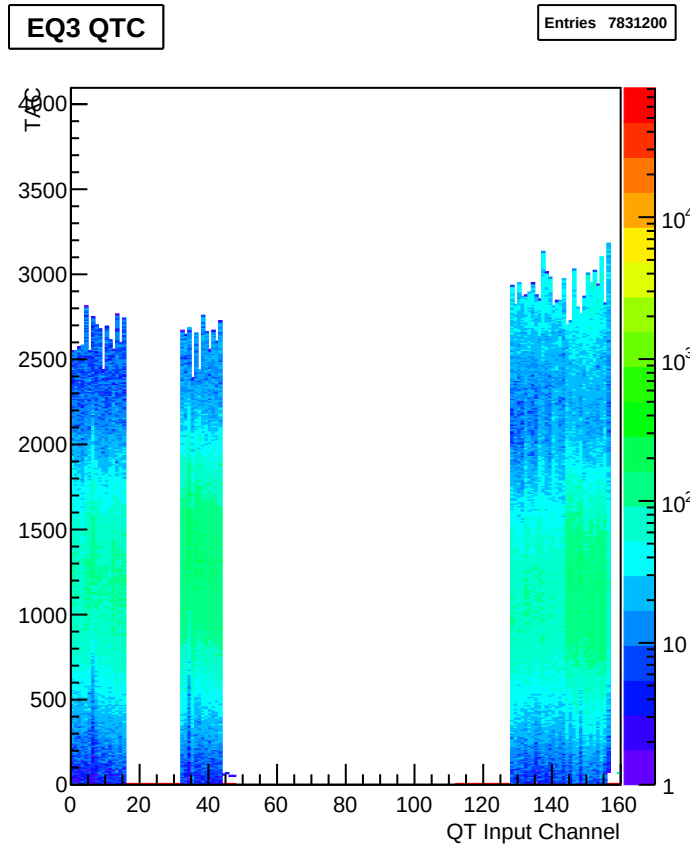

EQ2 QTC
Entries 7831200
ADC
QT Input Channel

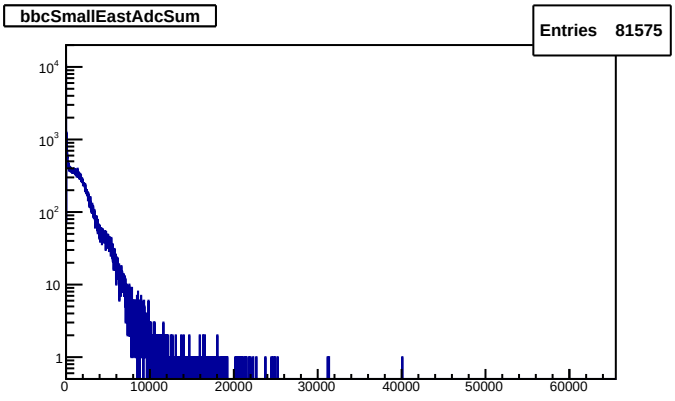

EQ2 QTC
Entries 7831200
TADC
QT Input Channel

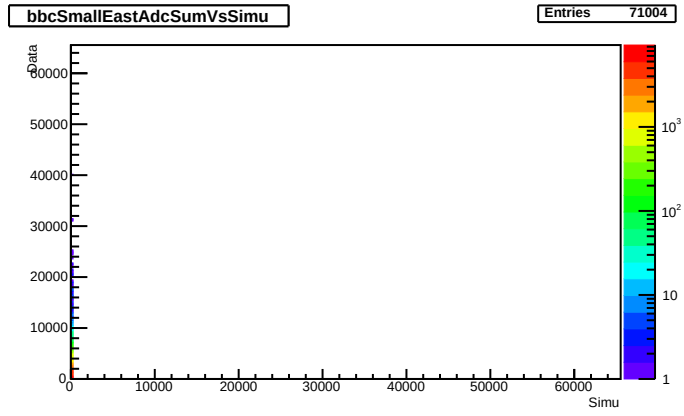

EQ3 QTB
Entries 2.08832e+07
ADC
QT Input Channel

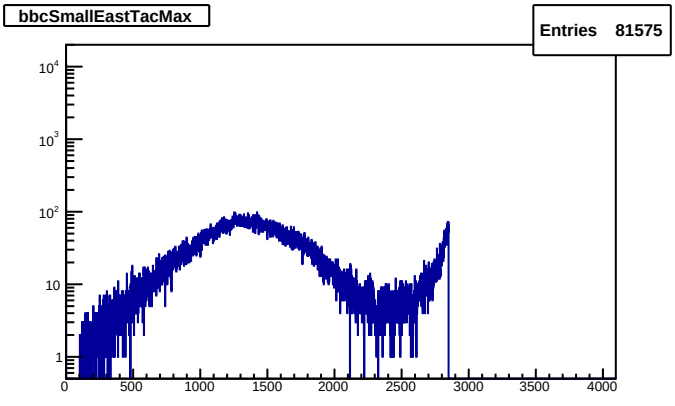

EQ3 QTB
Entries 6477071
TDC
QT Input Channel

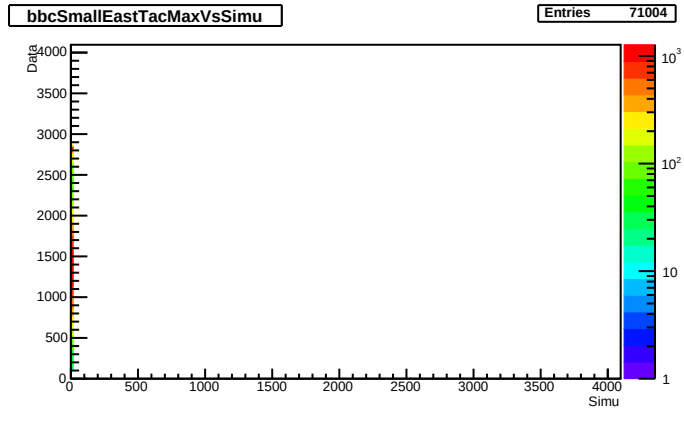

EQ3 QTC
Entries 7831200
ADC
QT Input Channel

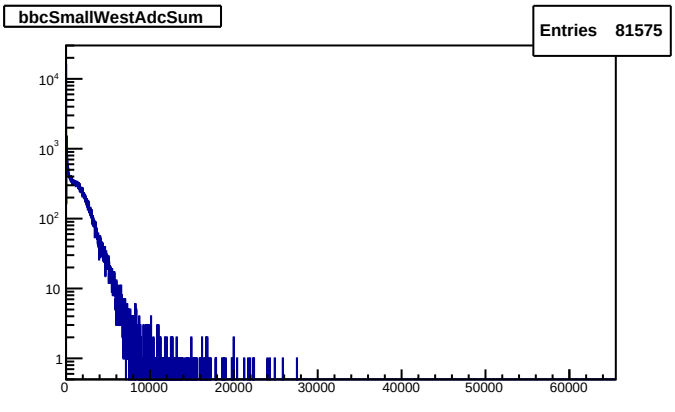

EQ3 QTC
Entries 7831200
TADC
QT Input Channel

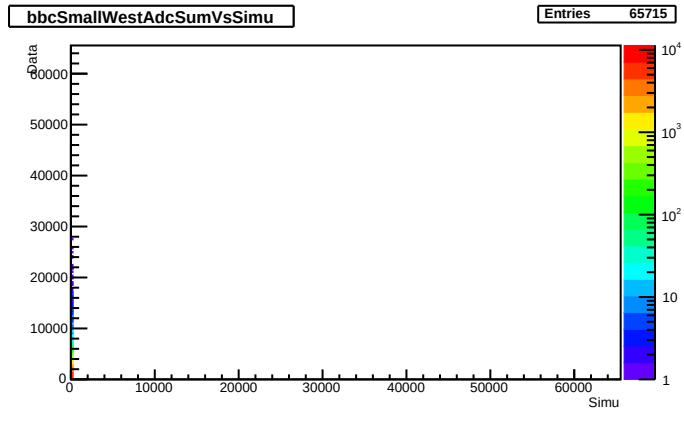

bbcSmallEastAdcSum
Entries 81575

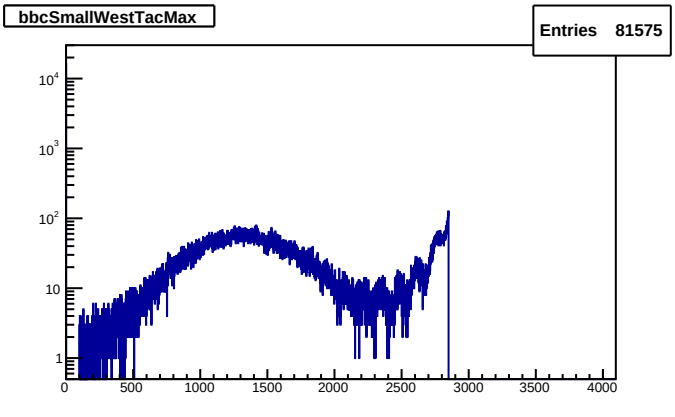

bbcSmallEastAdcSumVsSimu
Entries 71004
Data
Simu

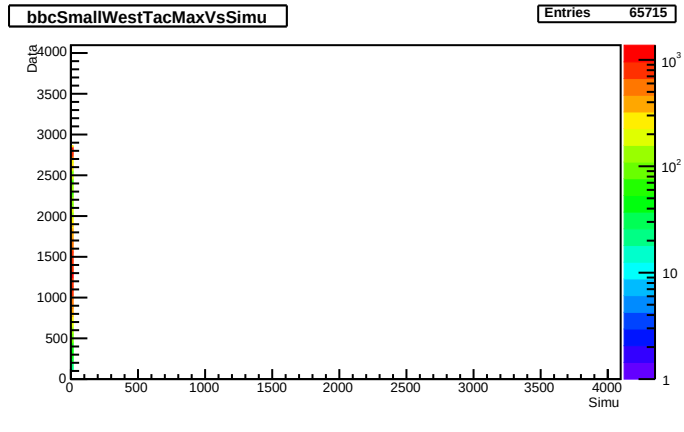

bbcSmallEastTacMax
Entries 81575

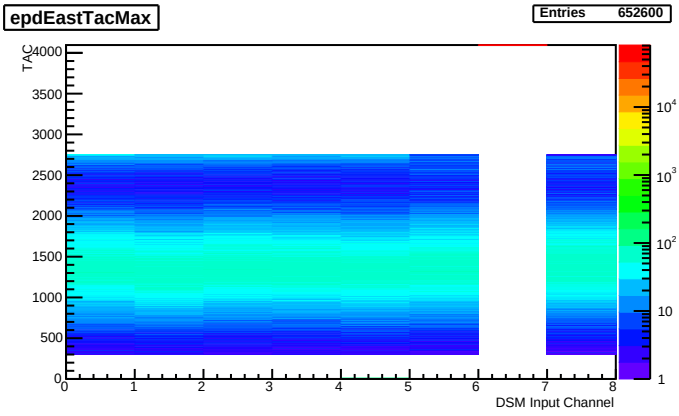

bbcSmallEastTacMaxVsSimu
Entries 71004
Data
Simu

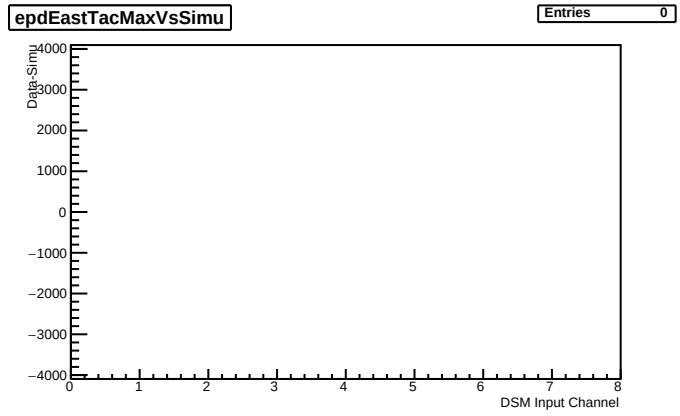

bbcSmallWestAdcSum
Entries 81575

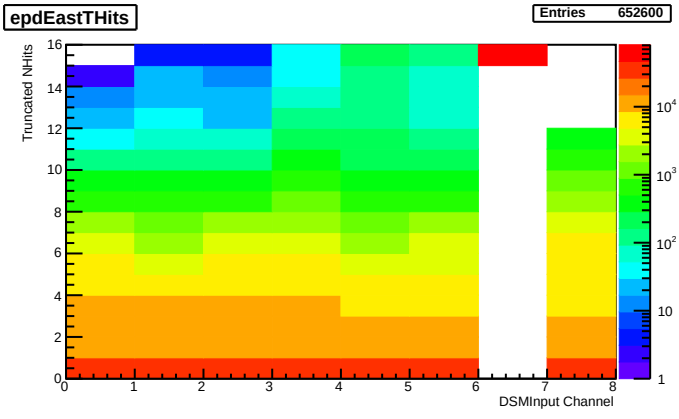

bbcSmallWestAdcSumVsSimu
Entries 65715
Data
Simu

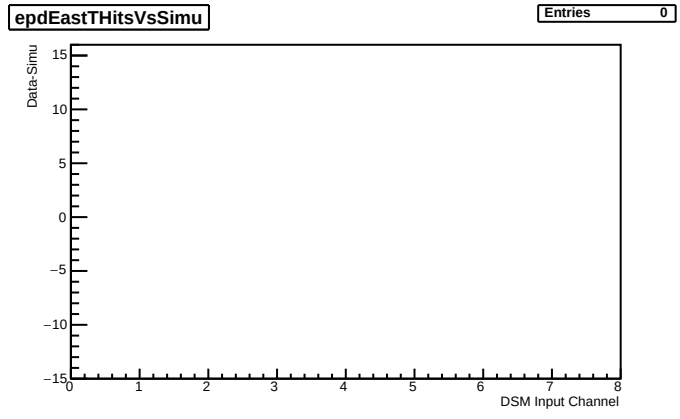

bbcSmallWestTacMax
Entries 81575

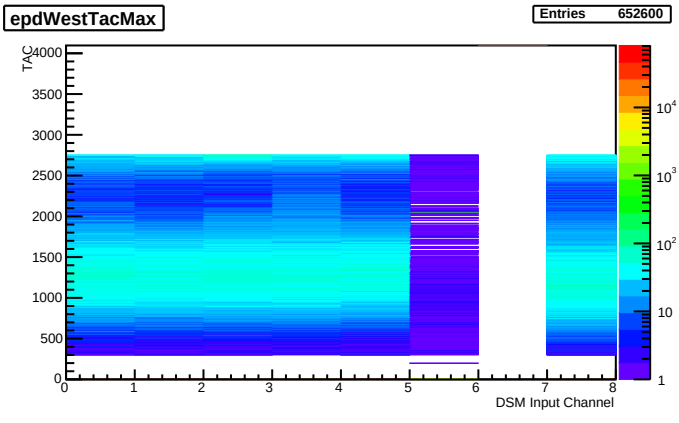

bbcSmallWestTacMaxVsSimu
Entries 65715
Data
Simu

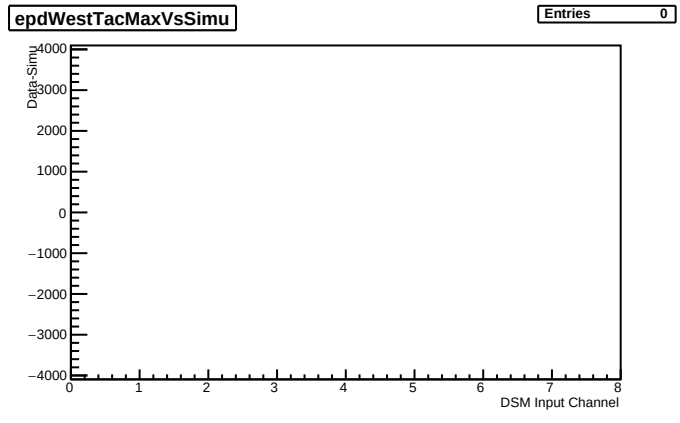

epdEastTacMax
Entries 652600
TAC
DSM Input Channel

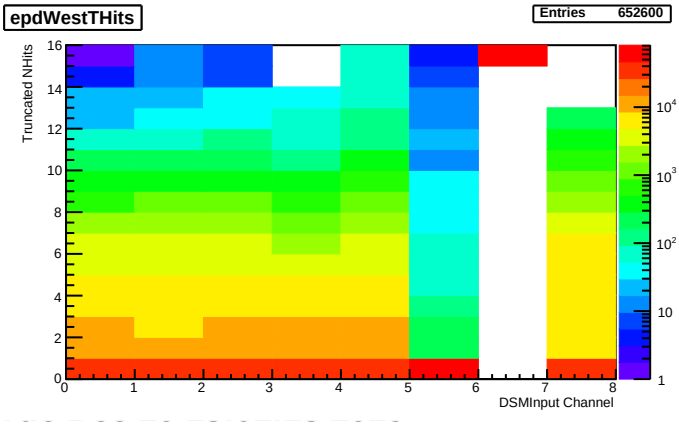

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

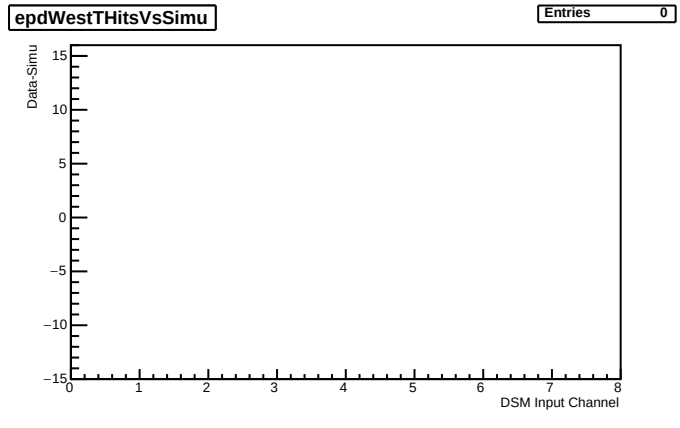

epdEastTHits
Entries 652600
Truncated NHits
DSMInput Channel

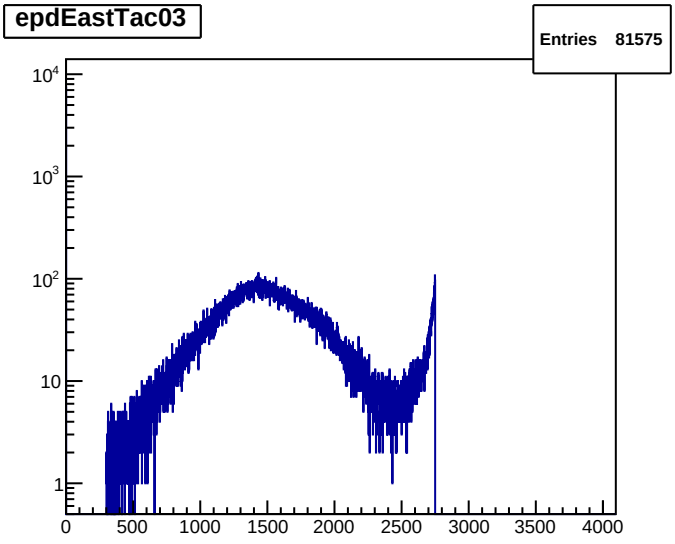

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

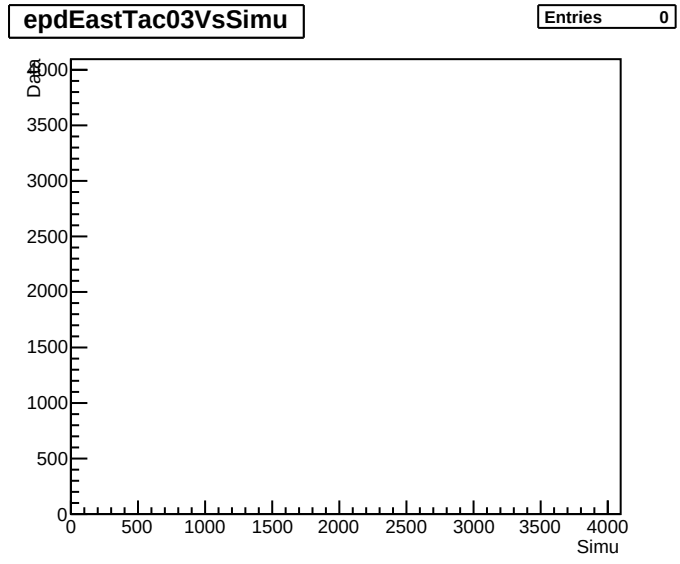

epdWestTacMax
Entries 652600
TAC
DSM Input Channel

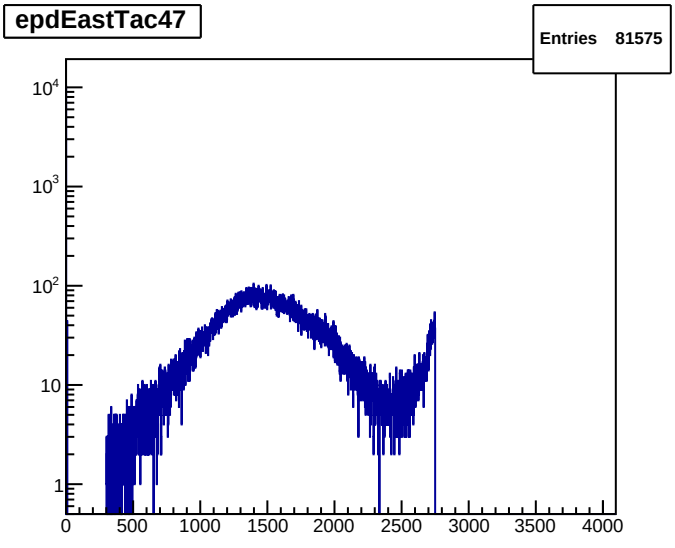

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

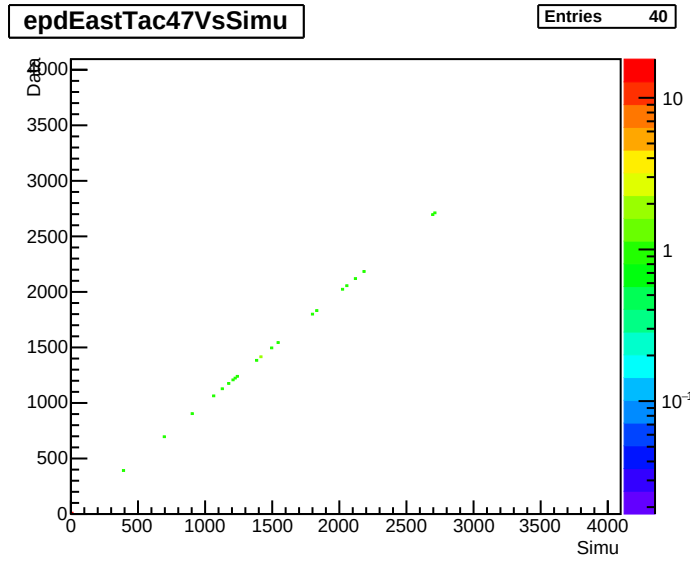

epdWestTHits
Entries 652600
Truncated NHits
DSMInput Channel

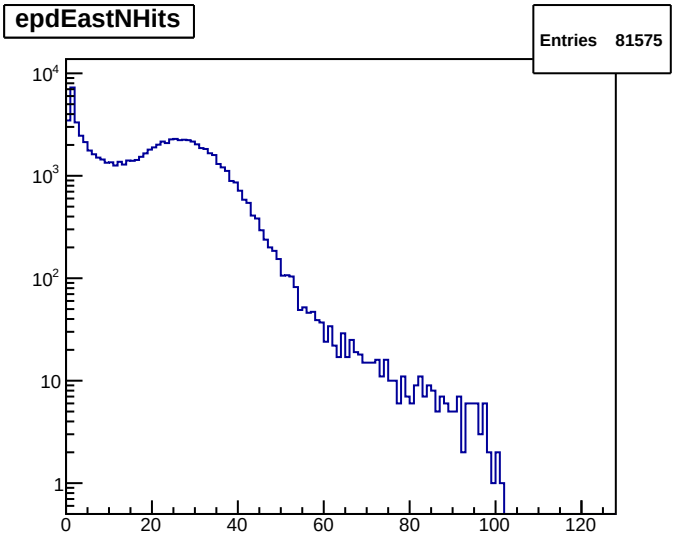

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

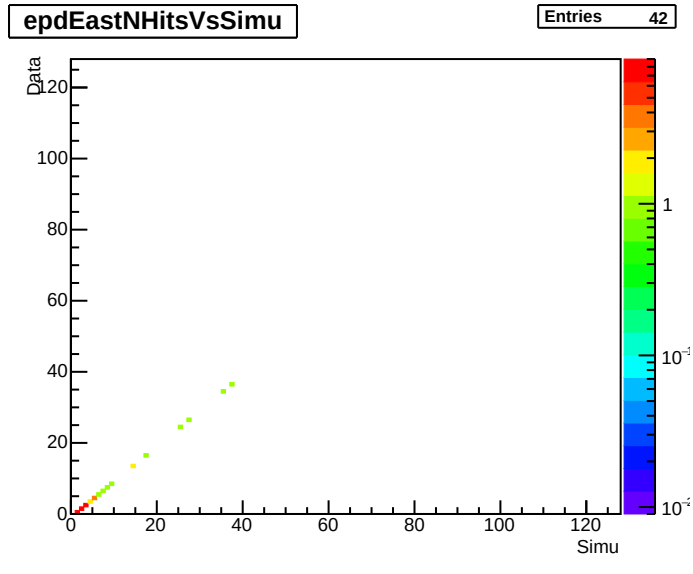

epdEastTac03
Entries 81575

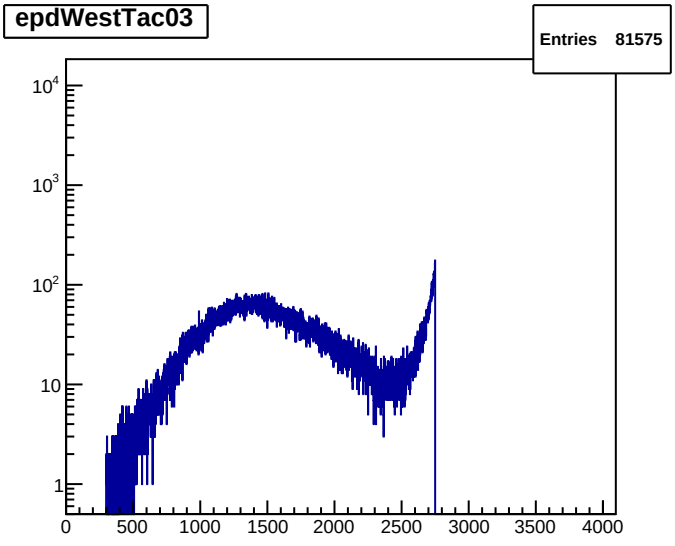

epdEastTac03VsSimu
Entries 0
Data
Simu

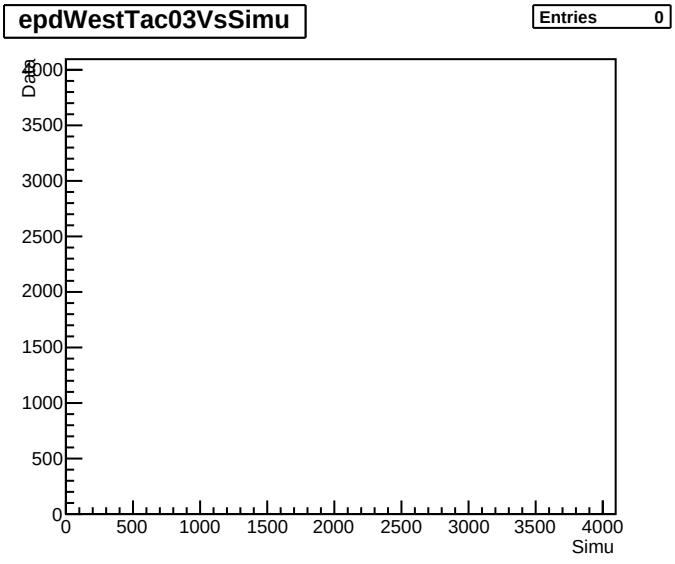

epdEastTac47
Entries 81575

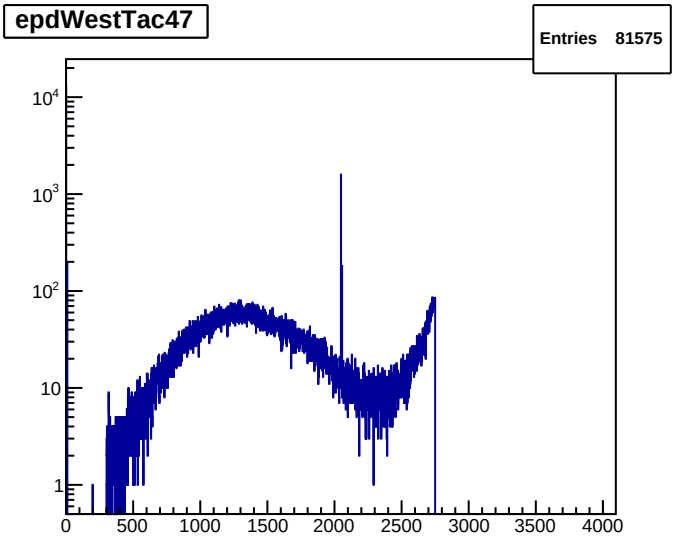

epdEastTac47VsSimu
Entries 40
Data
Simu

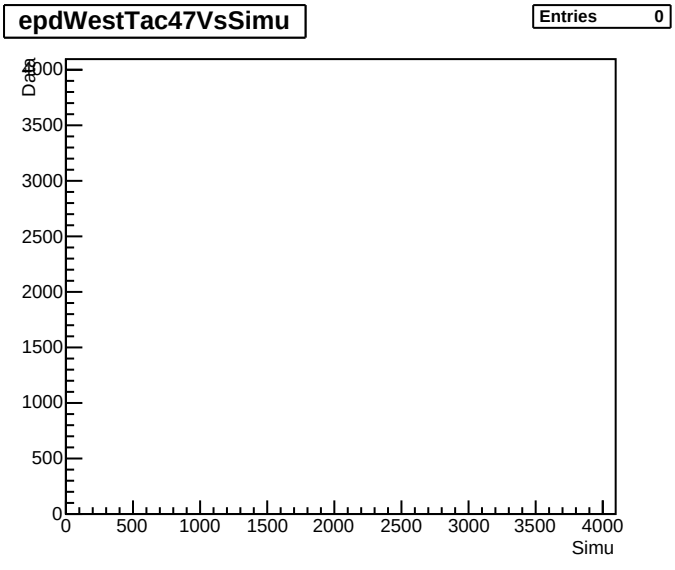

epdEastNHits
Entries 81575

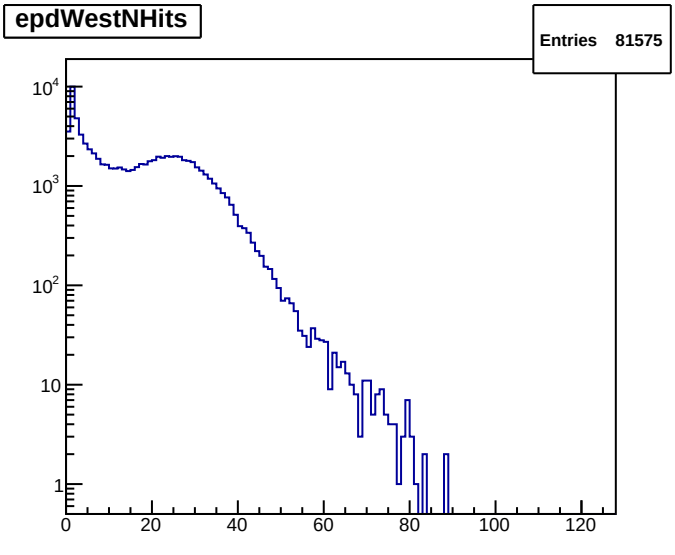

epdEastNHitsVsSimu
Entries 42
Data
Simu

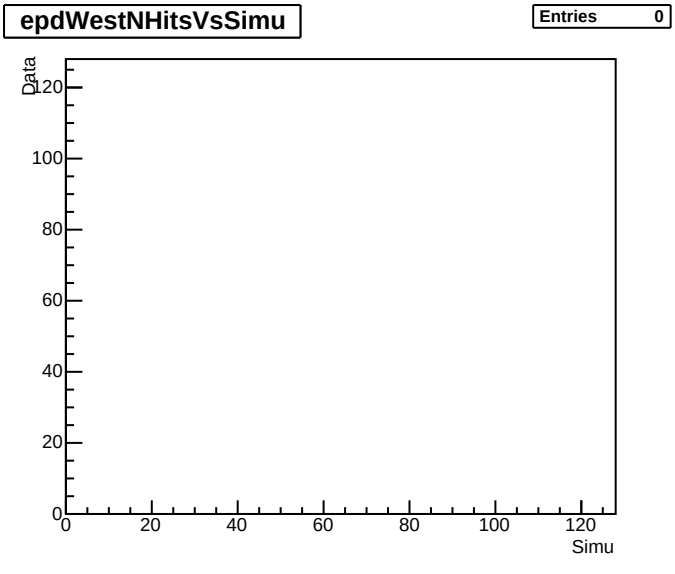

epdWestTac03
Entries 81575

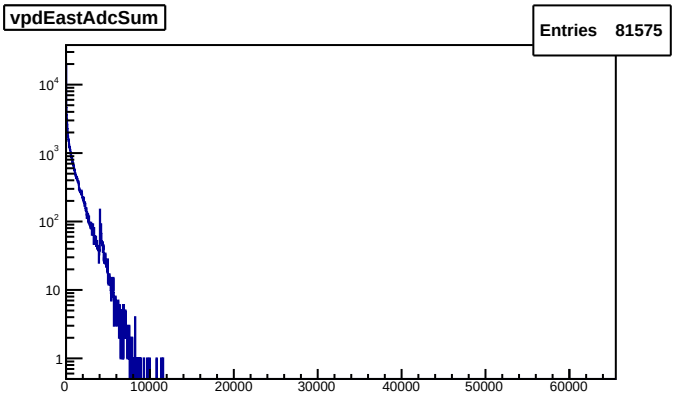

epdWestTac03VsSimu
Entries 0
Data
Simu

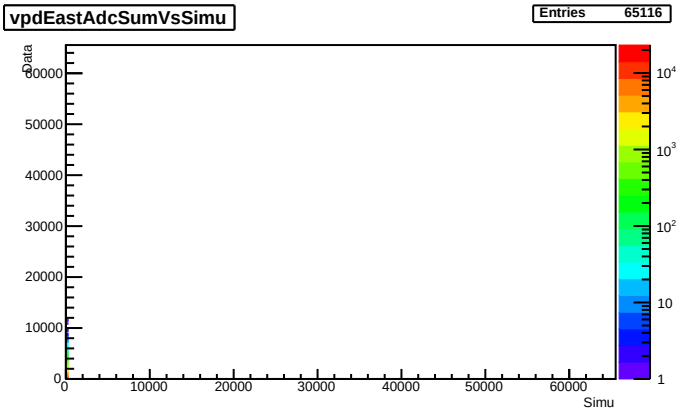

epdWestTac47
Entries 81575

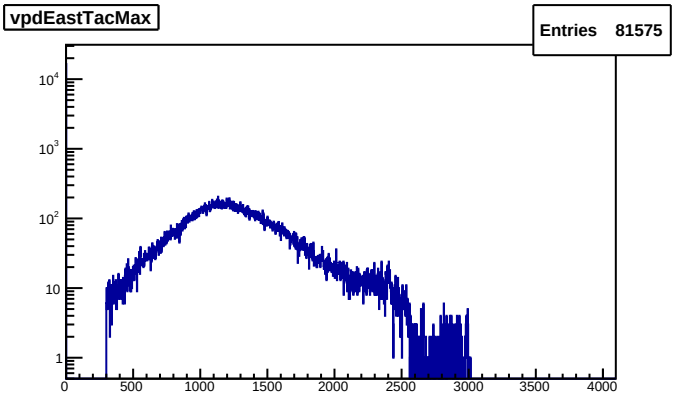

epdWestTac47VsSimu
Entries 0
Data
Simu

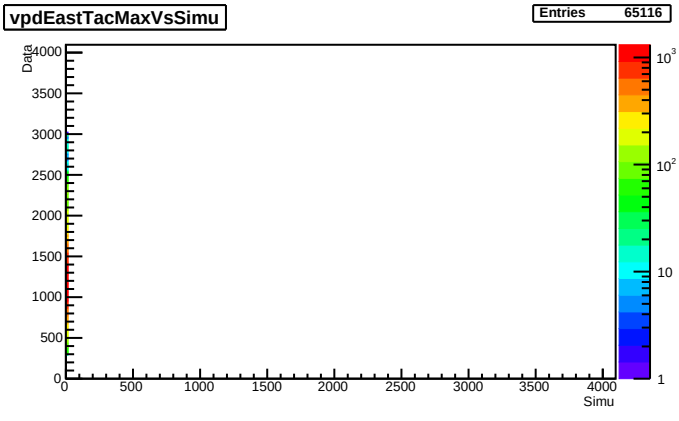

epdWestNHits
Entries 81575

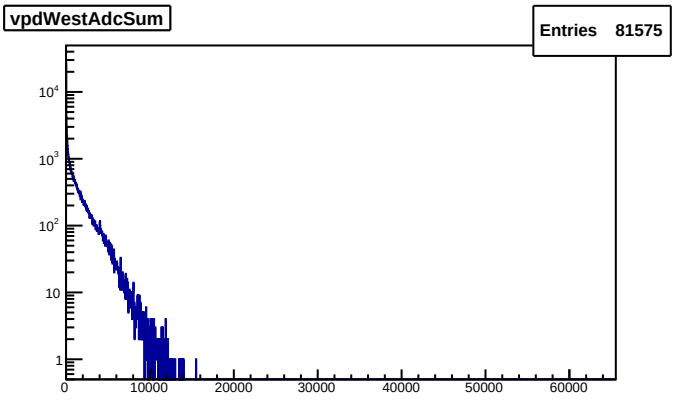

epdWestNHitsVsSimu
Entries 0
Data
Simu

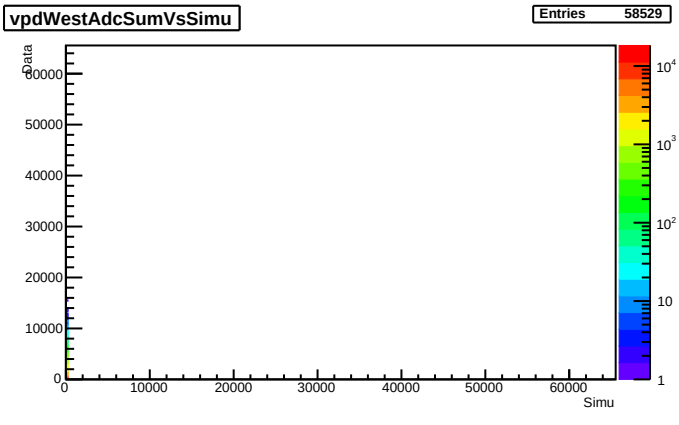

vpdEastAdcSum
Entries 81575

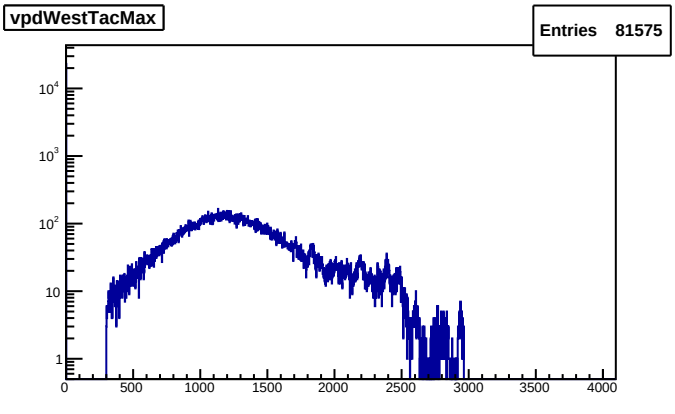

vpdEastAdcSumVsSimu
Entries 65116
Data
Simu

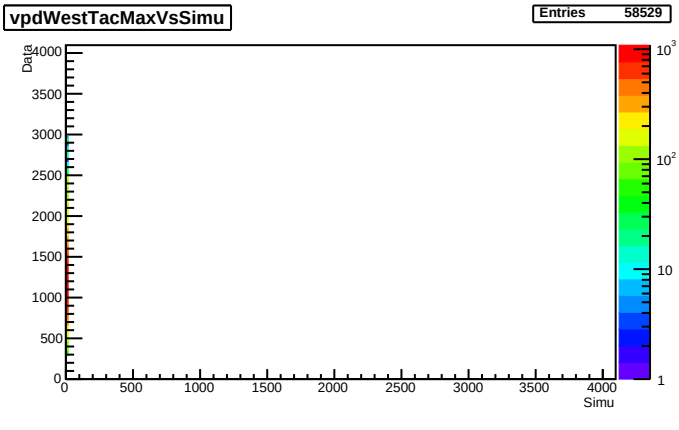

vpdEastTacMax
Entries 81575

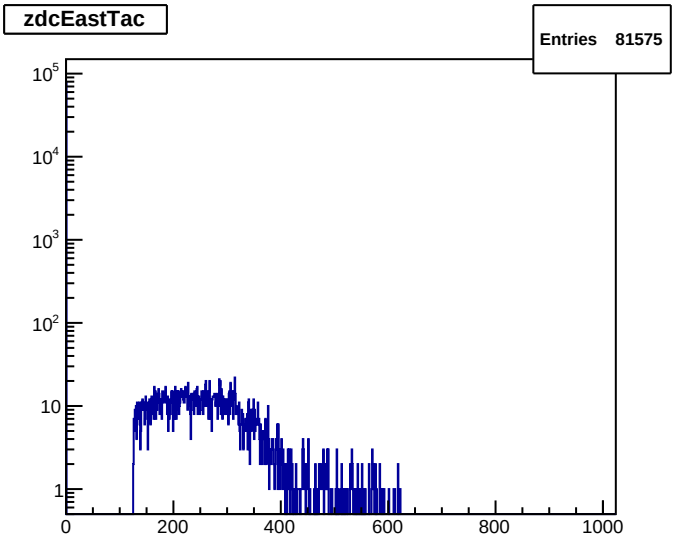

vpdEastTacMaxVsSimu
Entries 65116
Data
Simu

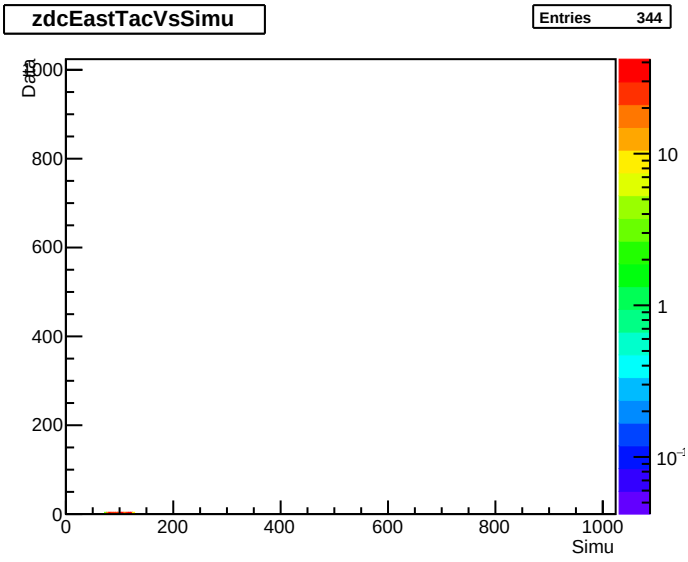

vpdWestAdcSum
Entries 81575

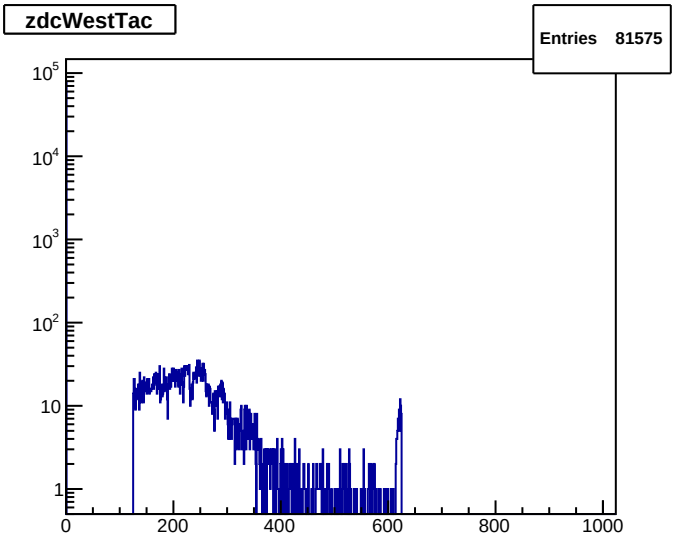

vpdWestAdcSumVsSimu
Entries 58529
Data
Simu

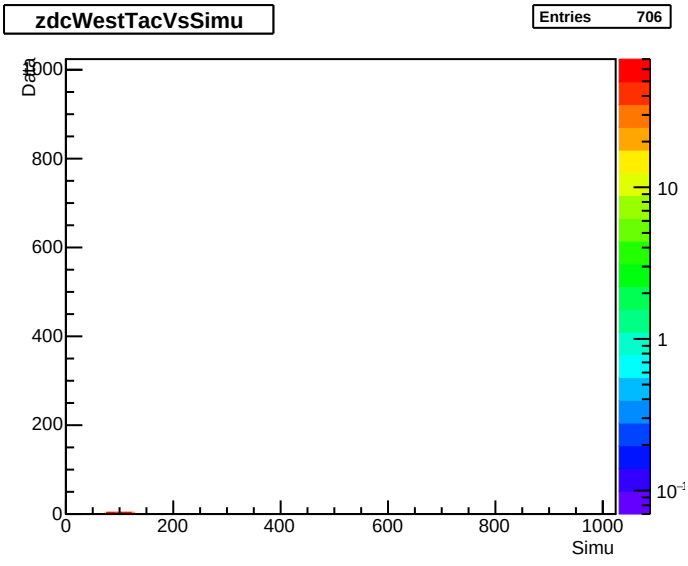

vpdWestTacMax
Entries 81575

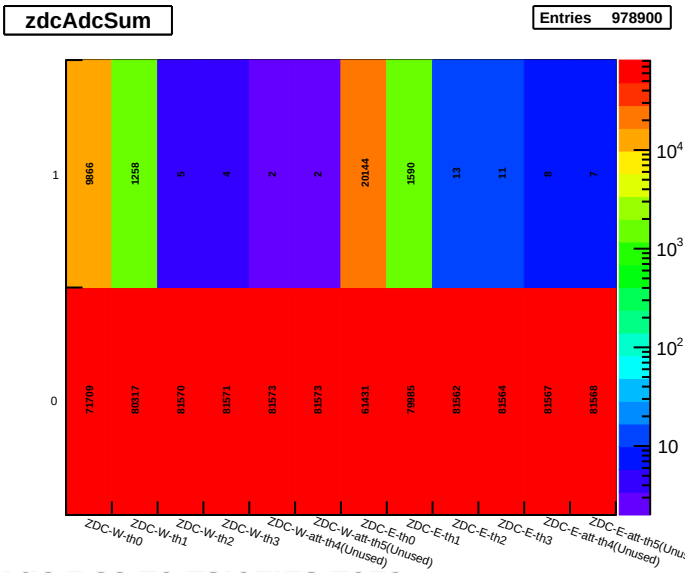

vpdWestTacMaxVsSimu
Entries 58529
Data
Simu

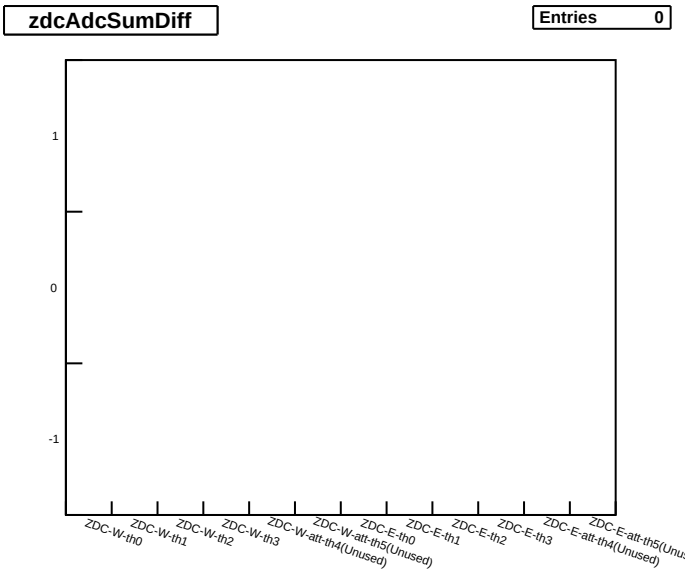

zdcEastTac
Entries 81575

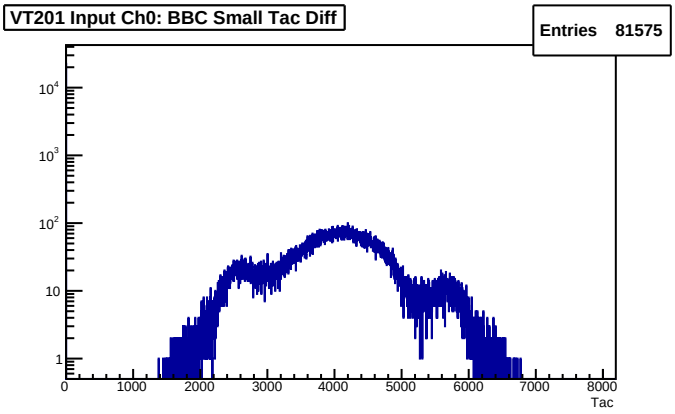

zdcEastTacVsSimu
Entries 344
Data
Simu

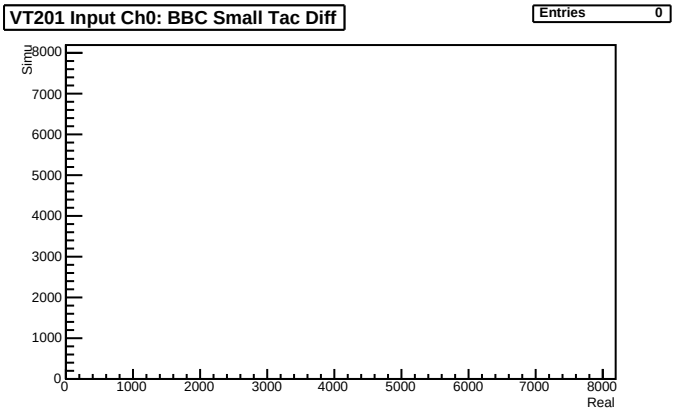

zdcWestTac
Entries 81575

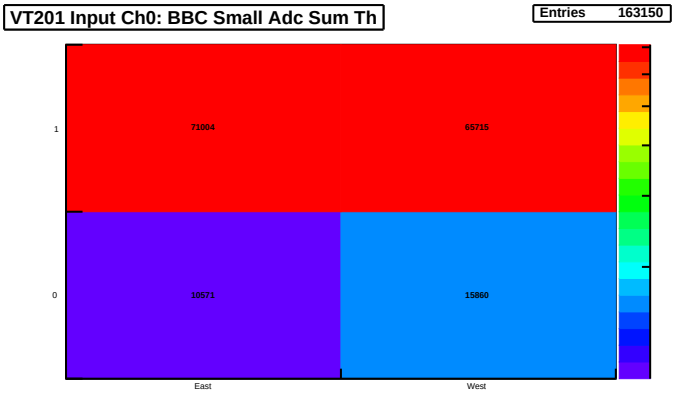

zdcWestTacVsSimu
Entries 706
Data
Simu

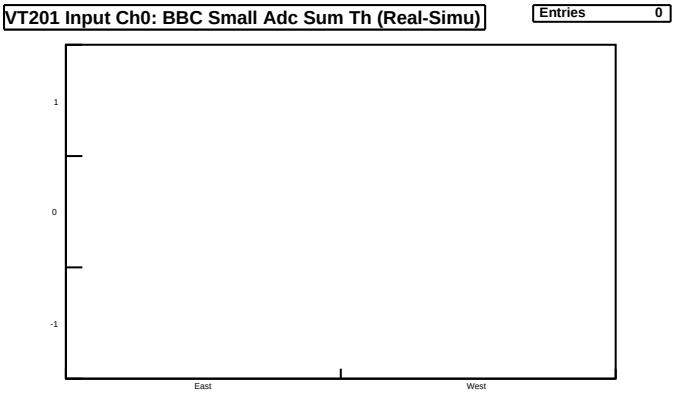

zdcAdcSum
Entries 978900
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

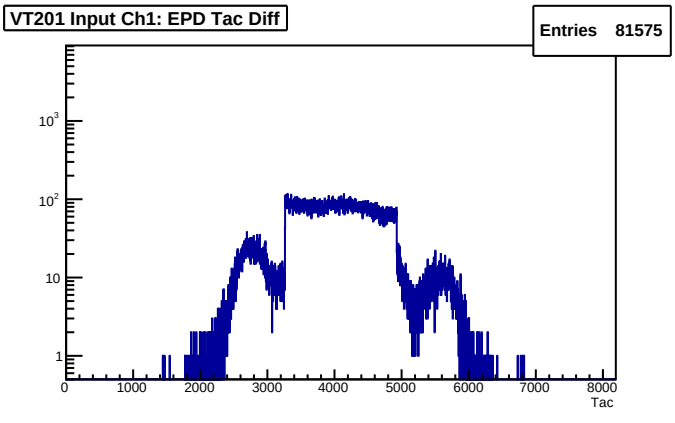

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

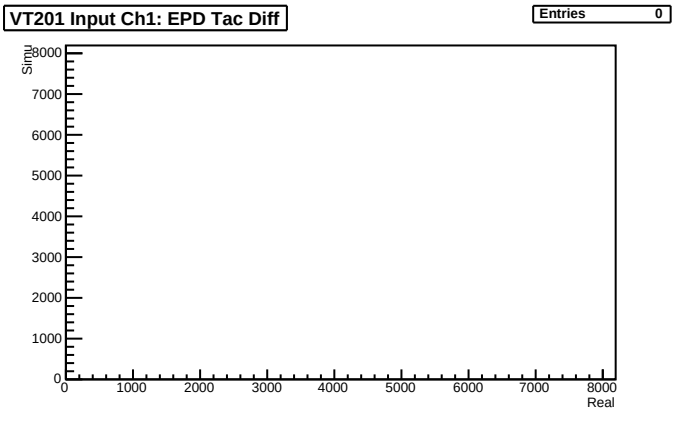

VT201 Input Ch0: BBC Small Tac Diff
Entries 81575
Tac

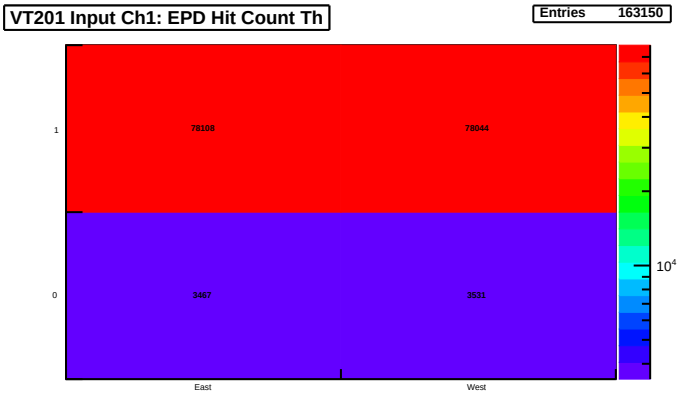

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

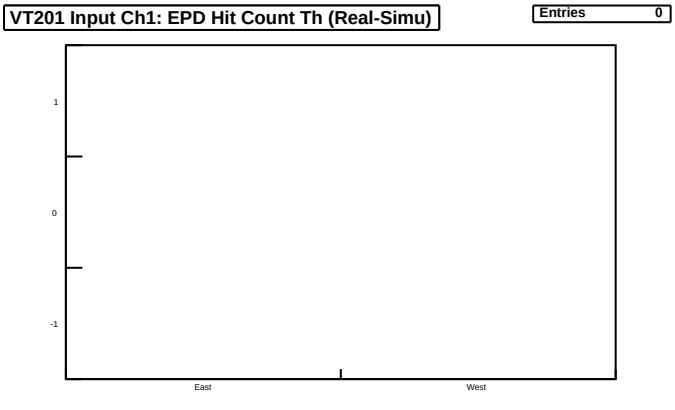

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 163150
71004
65715
10571
15860
East
West

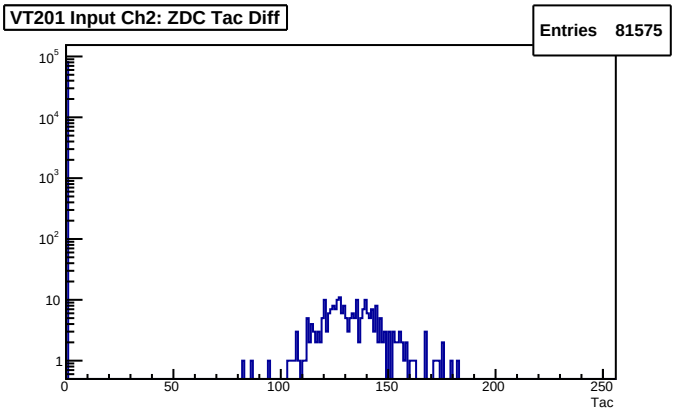

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

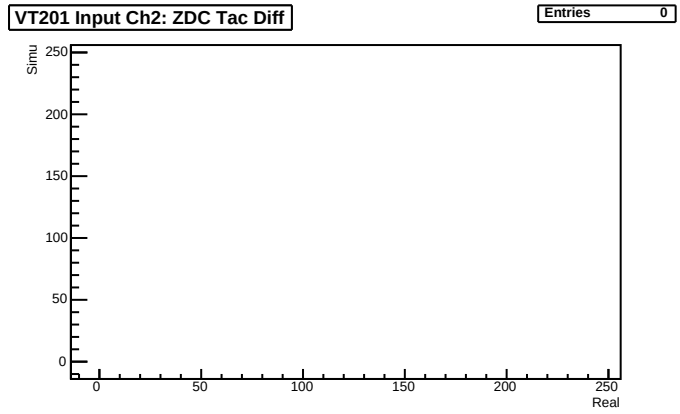

VT201 Input Ch1: EPD Tac Diff
Entries 81575
Tac

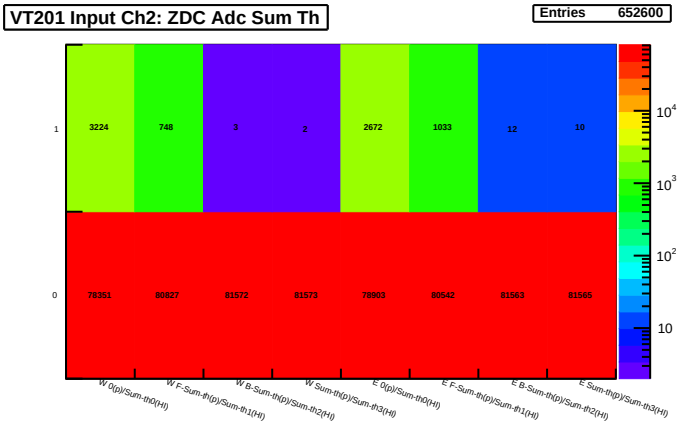

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

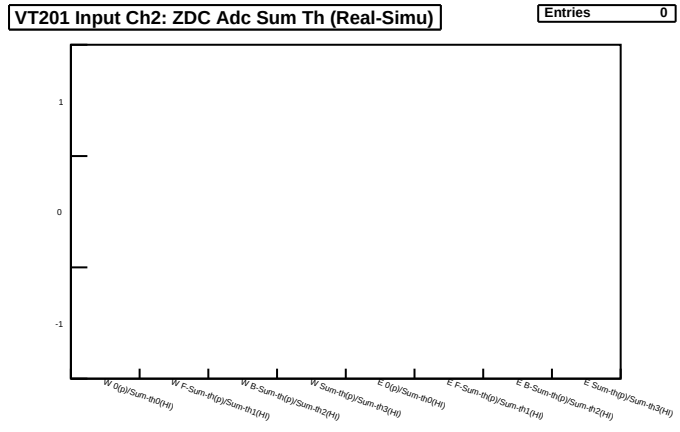

VT201 Input Ch1: EPD Hit Count Th
Entries 163150
78108
78044
3467
3531
East
West

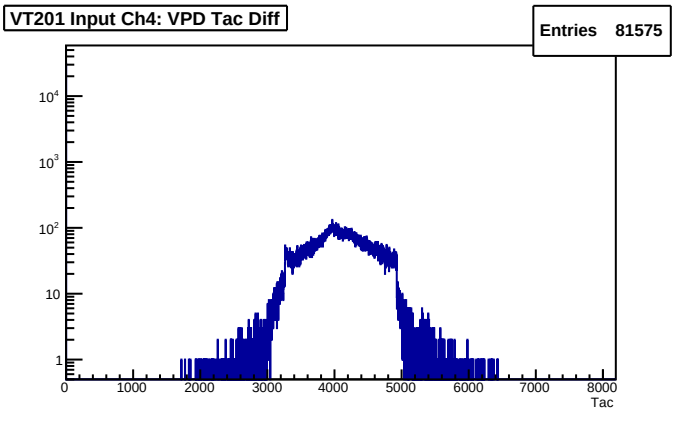

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

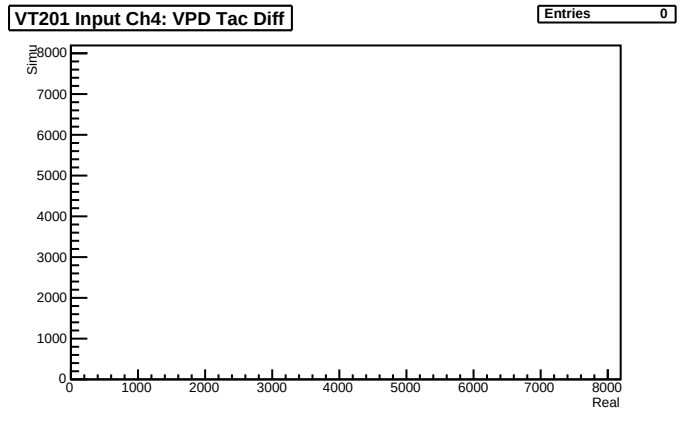

VT201 Input Ch2: ZDC Tac Diff
Entries 81575
Tac

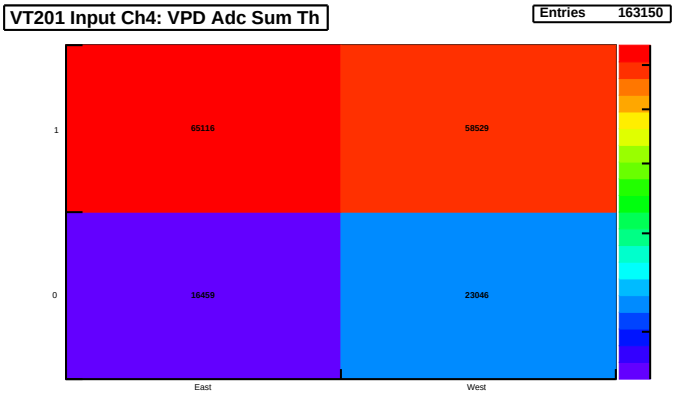

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

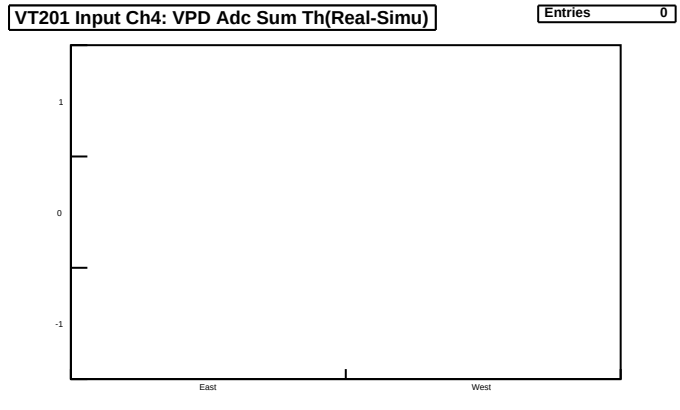

VT201 Input Ch2: ZDC Adc Sum Th
Entries 652600
3224
748
3
2
2672
1033
12
10
78351
80827
81572
81573
78903
80542
81563
81565
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

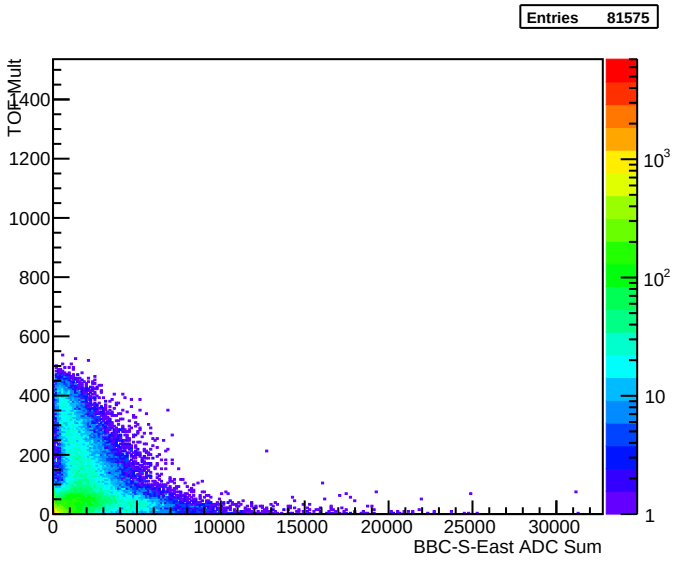

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

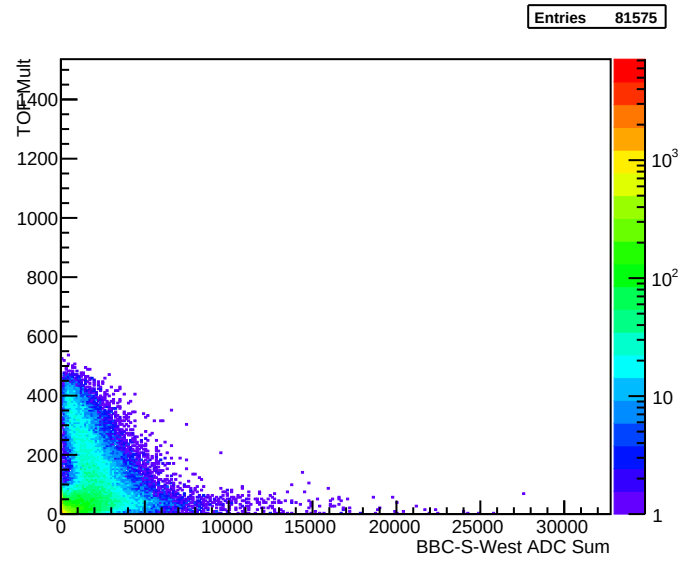

VT201 Input Ch4: VPD Tac Diff
Entries 81575
Tac

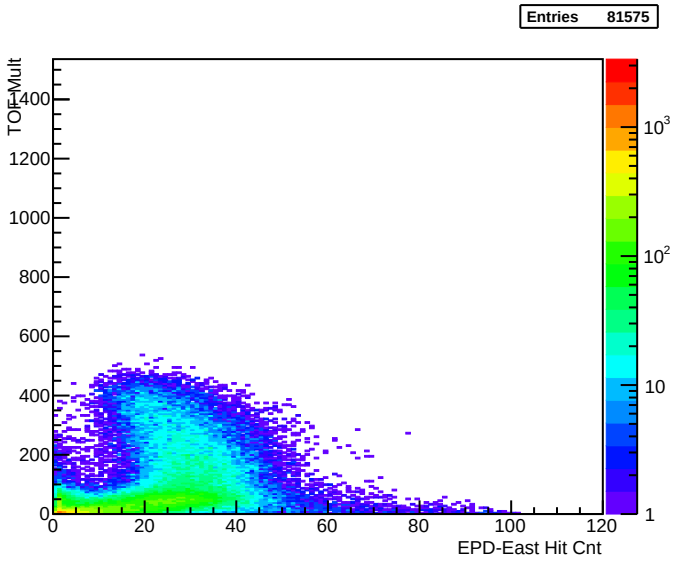

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

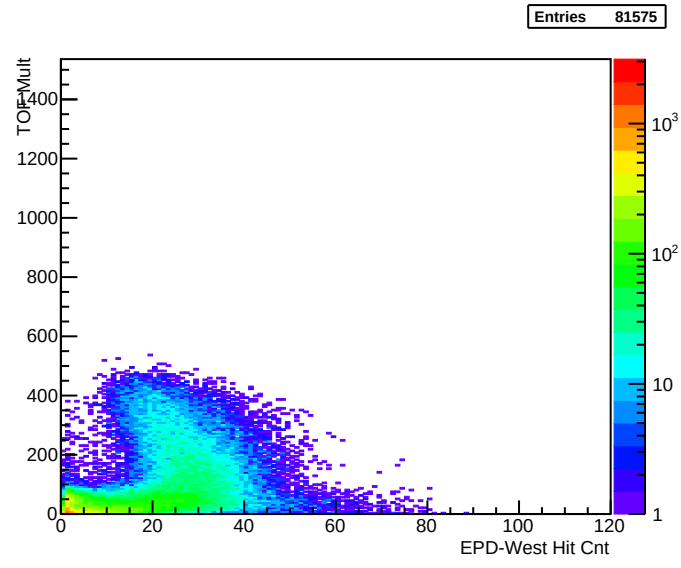

VT201 Input Ch4: VPD Adc Sum Th
Entries 163150
65116
58529
16459
23046
East
West

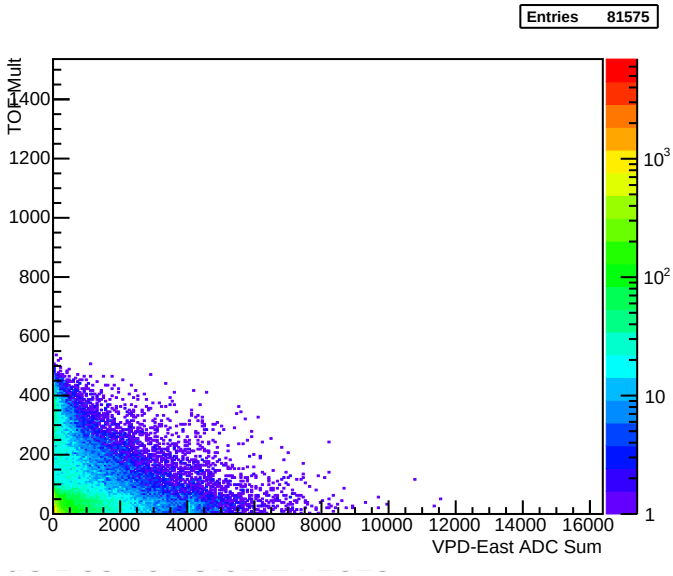

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

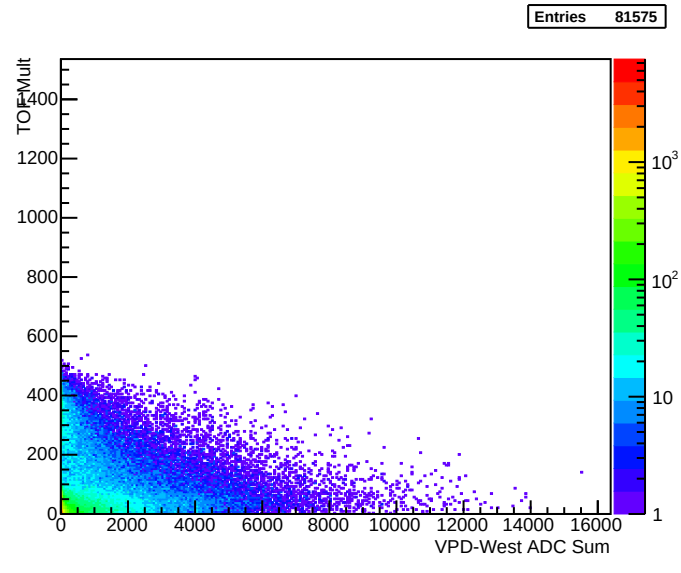

Entries 81575
TOF-Mult
BBC-S-East ADC Sum

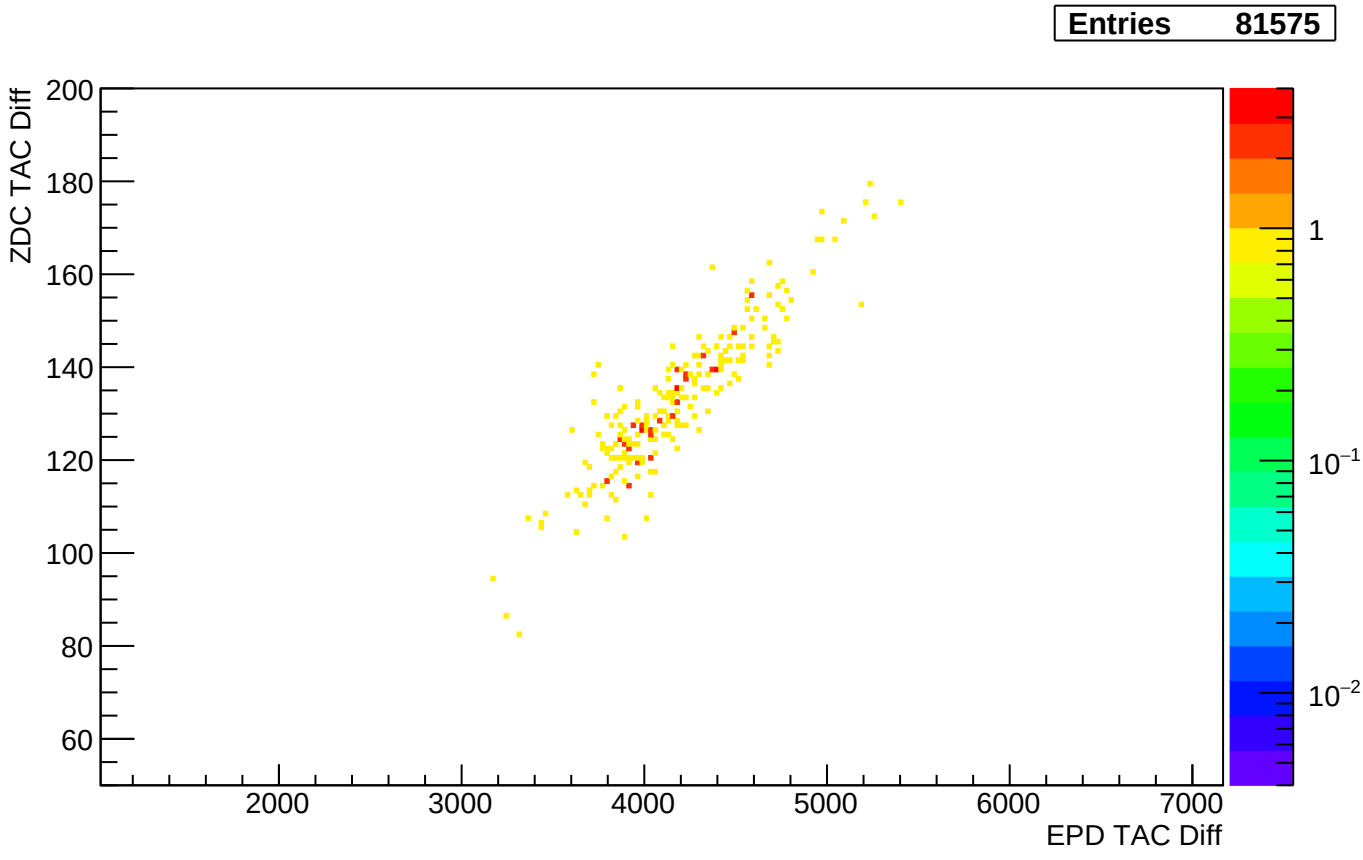

Entries 81575
TOF-Mult
BBC-S-West ADC Sum

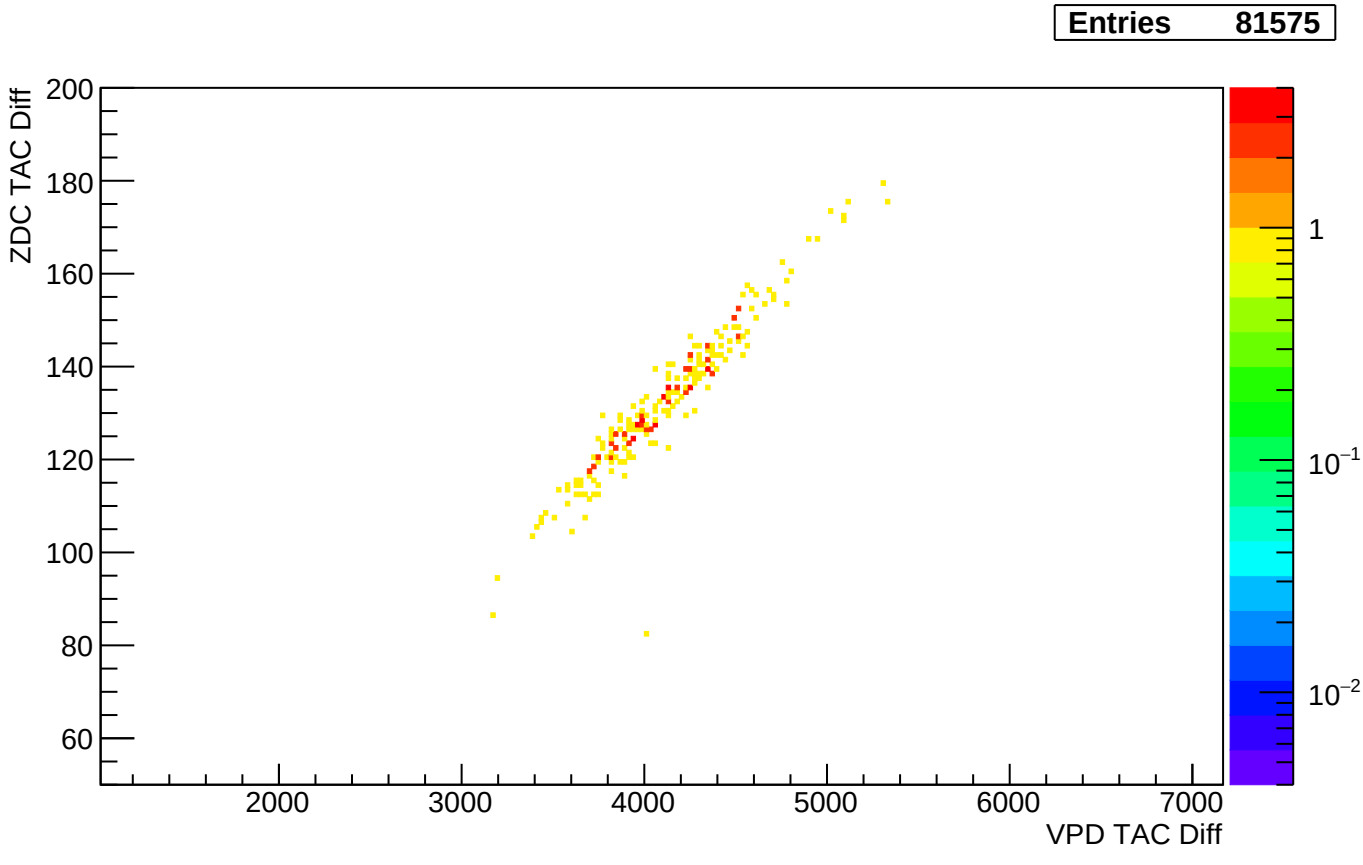

Entries 81575
TOF-Mult
EPD-East Hit Cnt

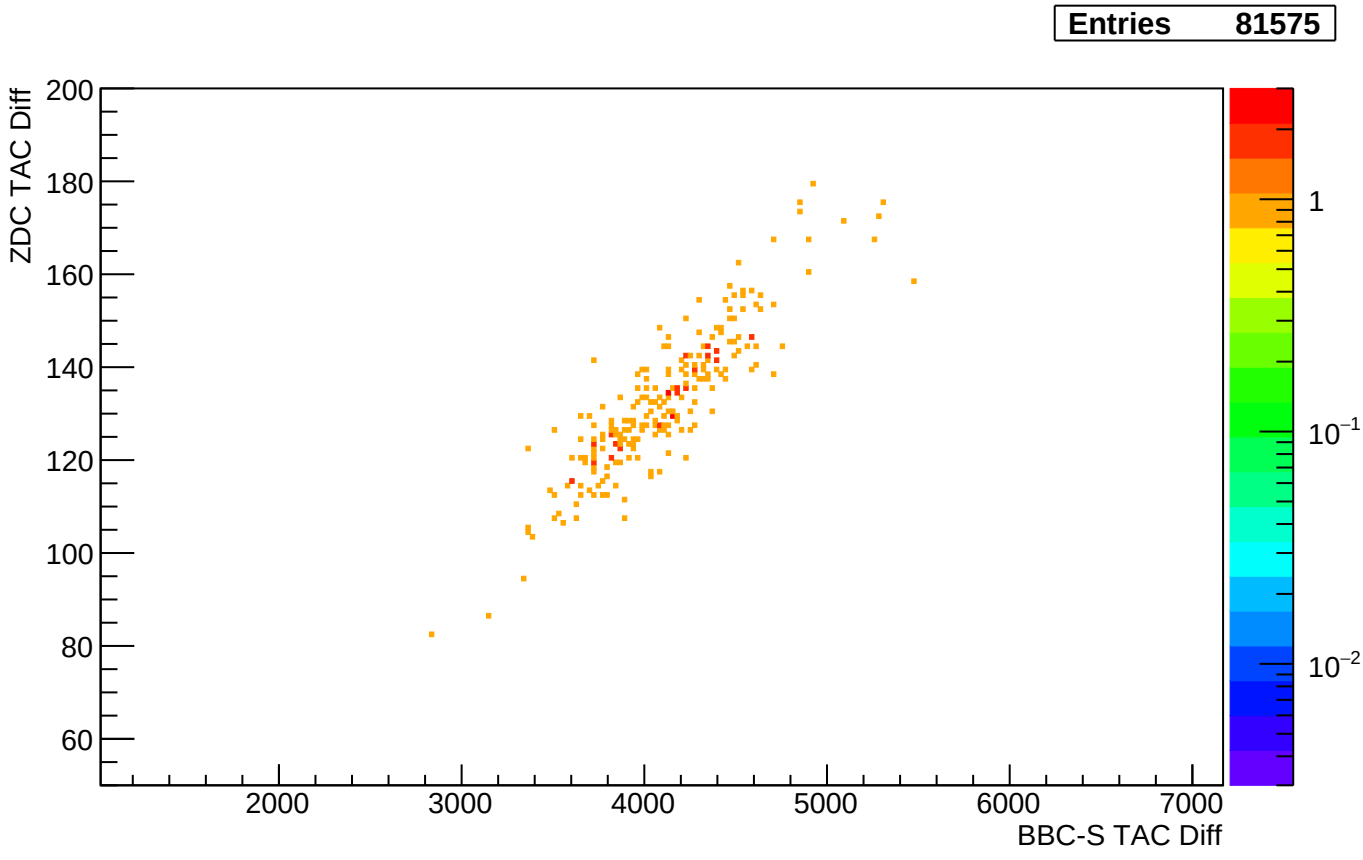

Entries 81575
TOF-Mult
EPD-West Hit Cnt

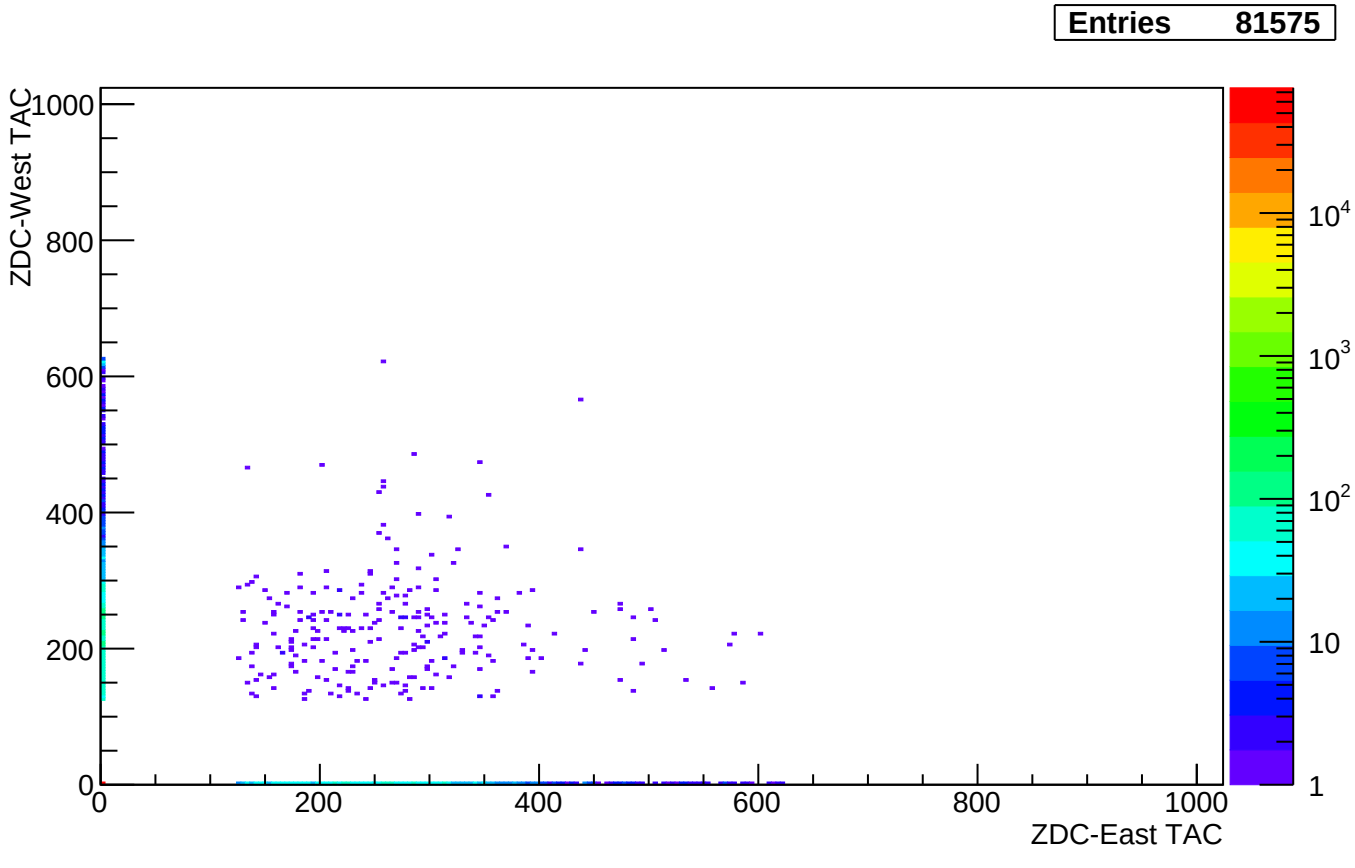

Entries 81575
TOF-Mult
VPD-East ADC Sum

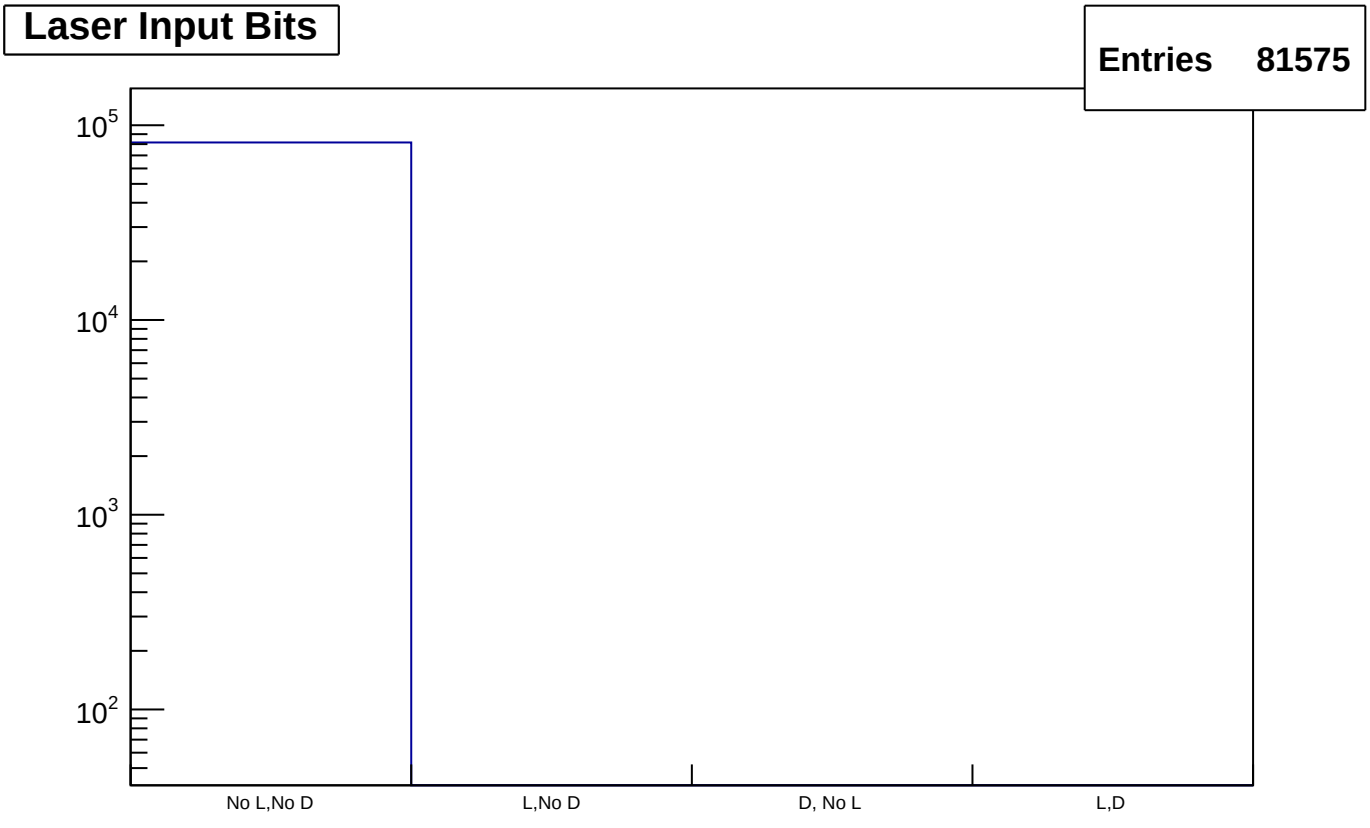

Entries 81575
TOF-Mult
VPD-West ADC Sum

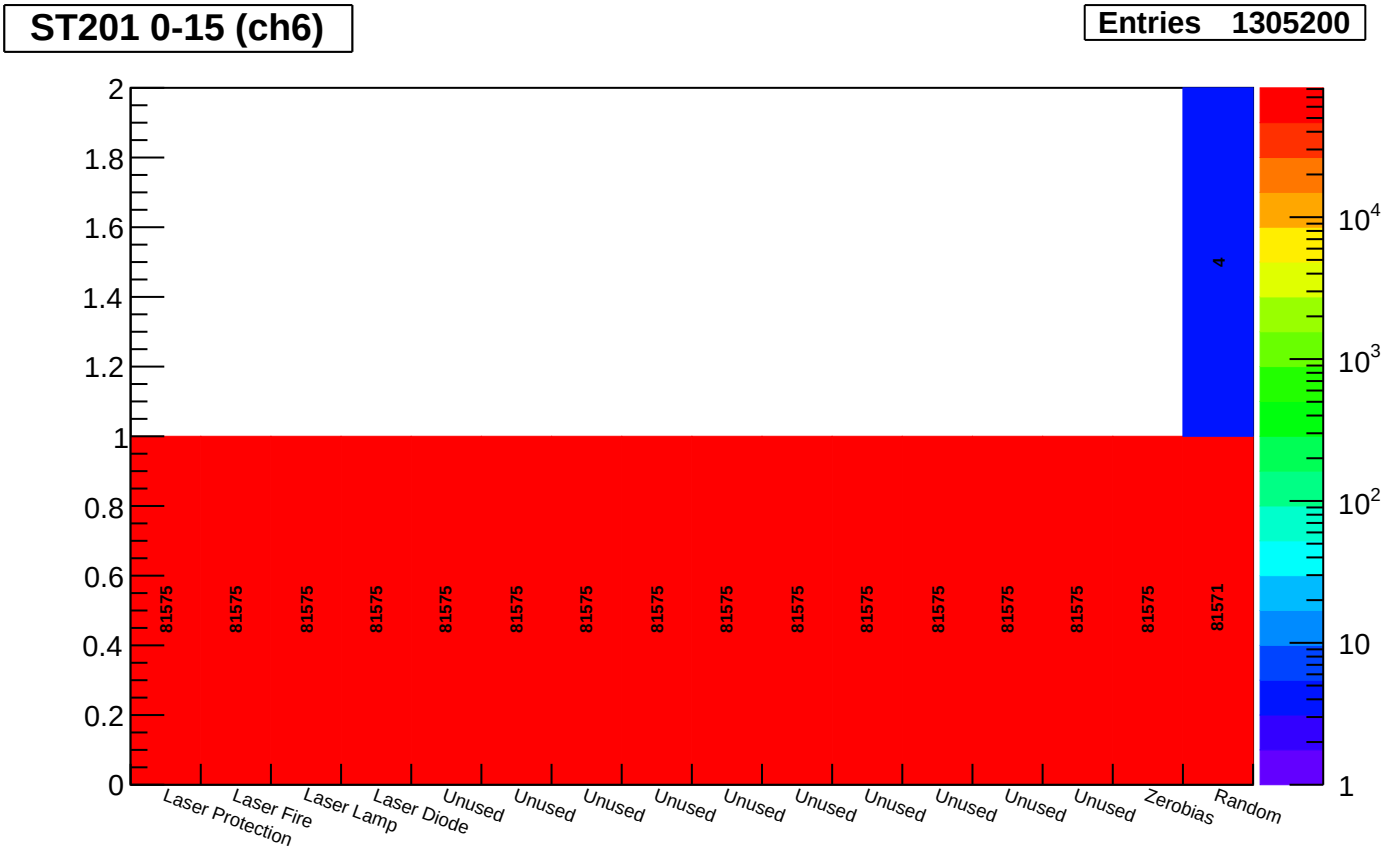

Entries 81575
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

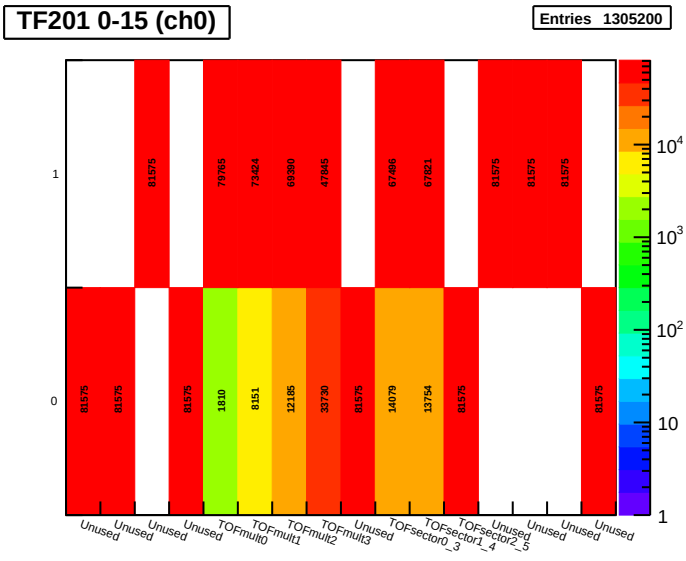

Entries 81575
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

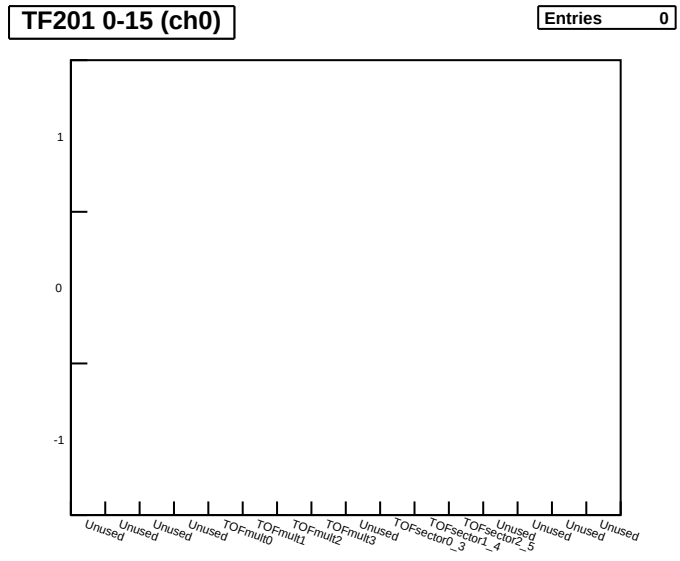

Entries 81575
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

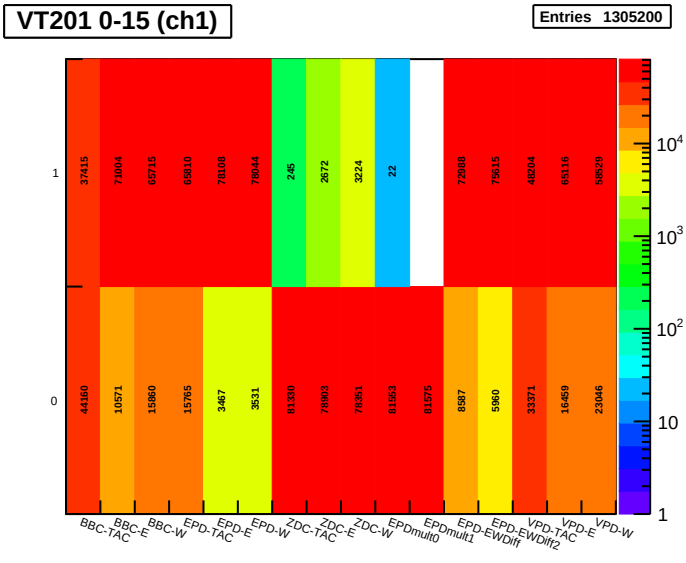

Entries 81575
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

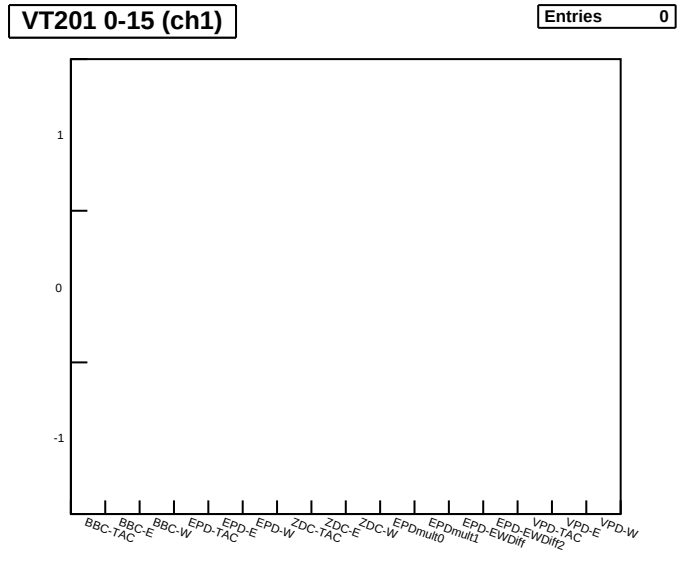

Laser Input Bits
Entries 81575
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

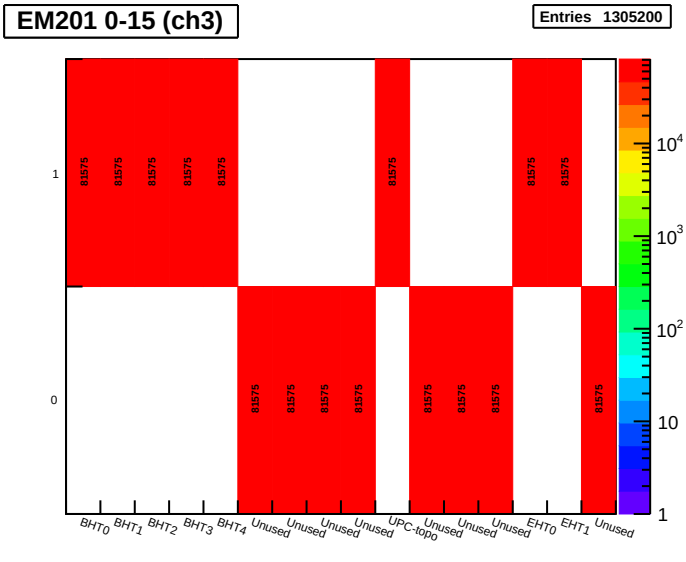

ST201 0-15 (ch6)
Entries 1305200
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4
81575
81571
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

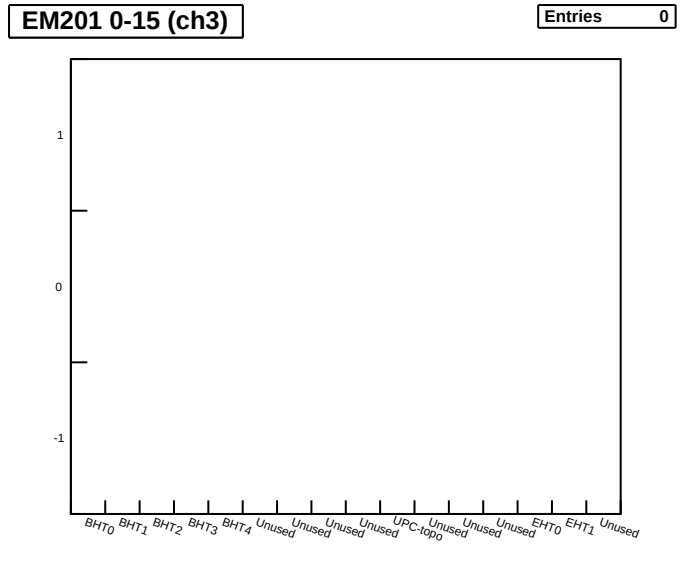

TF201 0-15 (ch0)
Entries 1305200
1
0
81575 79765 73424 69380 47845 67496 67821 81575 81575 81575
81575 81575 81575 1810 8151 12185 33730 81575 14079 13754 81575 81575
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 1305200
1
0
37415 71004 65715 65810 78108 78044 245 2672 3224 22 72988 75615 48204 65116 58529
44160 10571 15860 15765 3467 3531 81330 78903 78351 81553 81575 8587 5960 33371 16459 23046
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 1305200
1
0
81575 81575 81575 81575 81575 81575 81575 81575
81575 81575 81575 81575 81575 81575 81575 81575
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