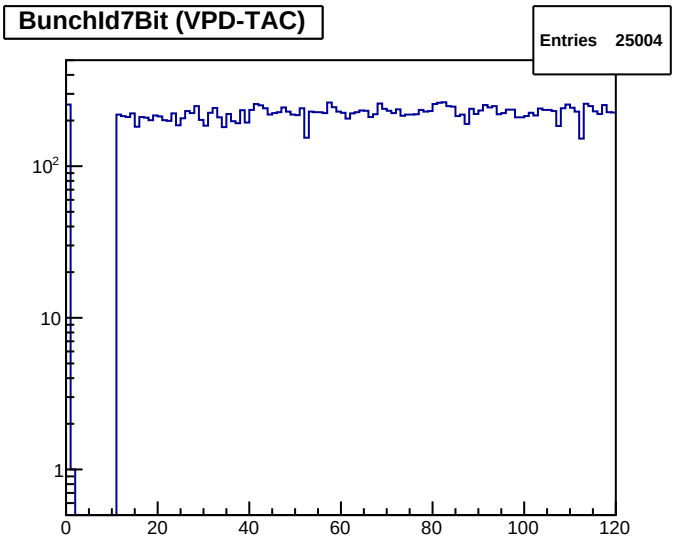
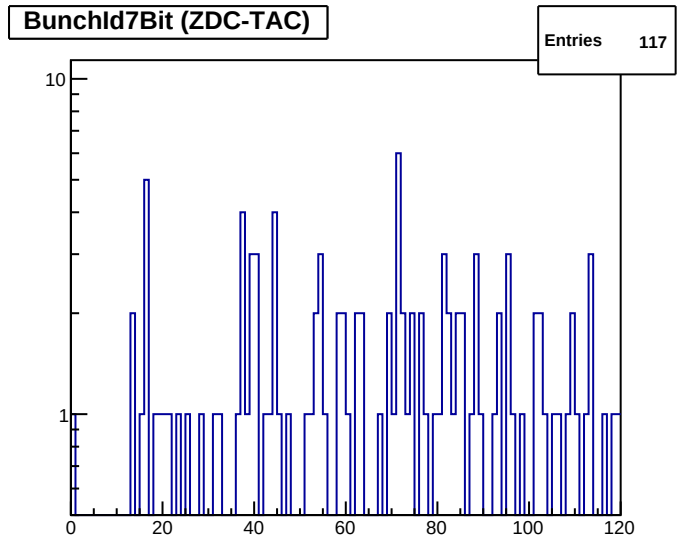
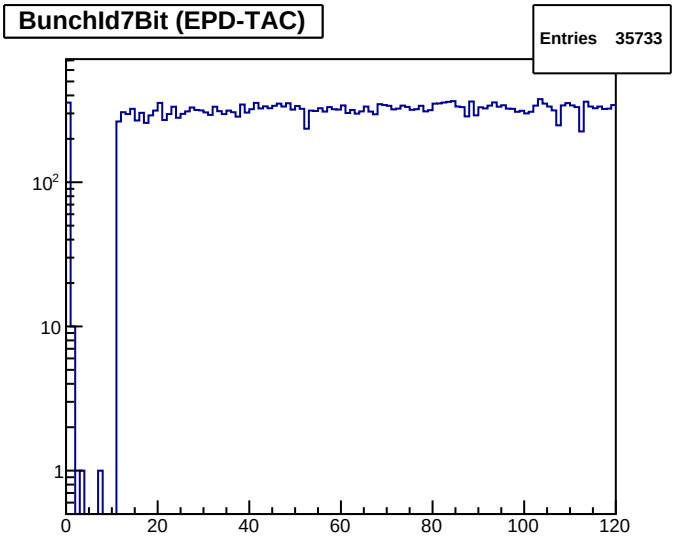
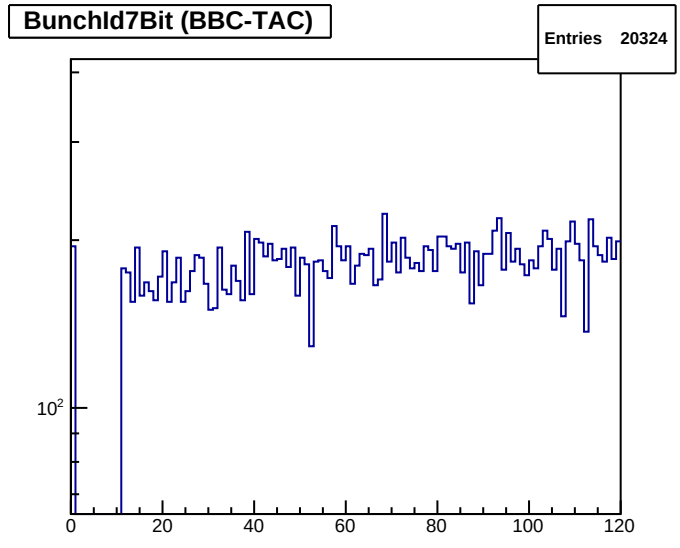
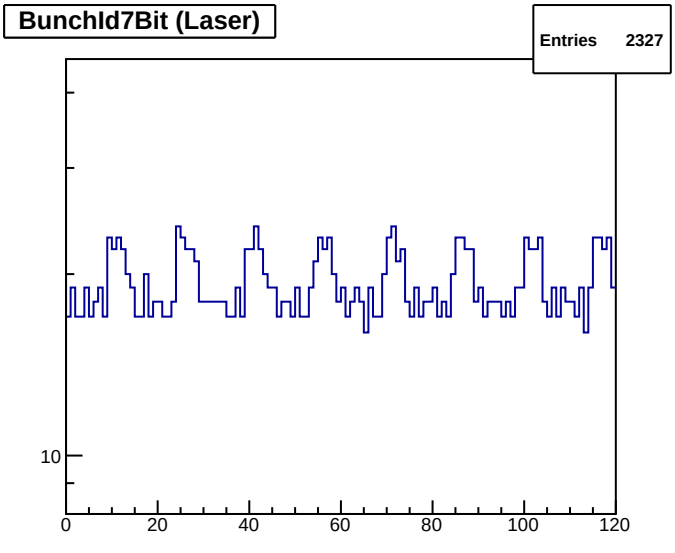
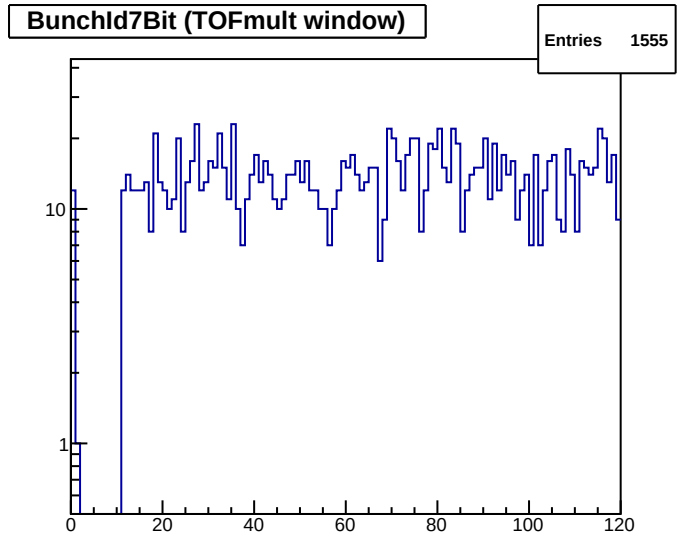

BunchId7Bit (VPD-TAC)
Entries 25004
10^2
10
1
0
20
40
60
80
100
120

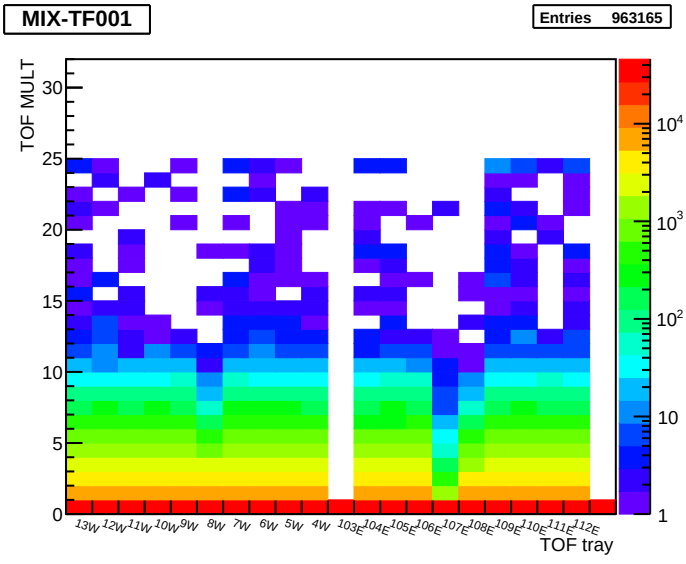

BunchId7Bit (ZDC-TAC)
Entries 117
10
1
0
20
40
60
80
100
120

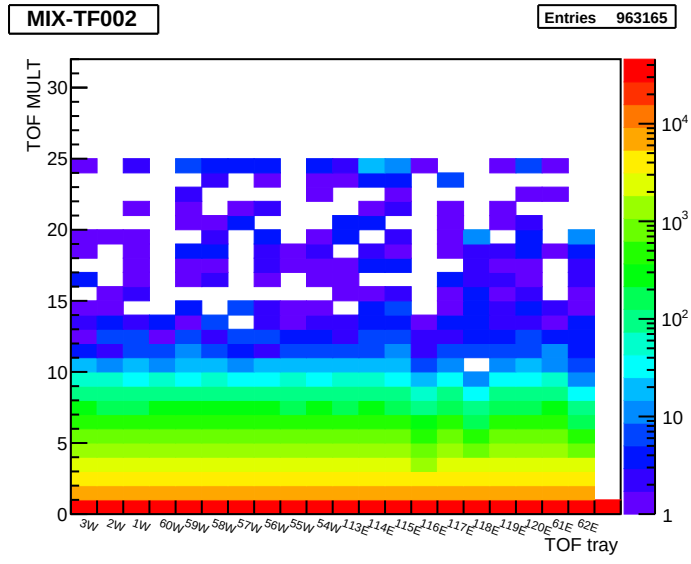

BunchId7Bit (EPD-TAC)
Entries 35733
10^2
10
1
0
20
40
60
80
100
120

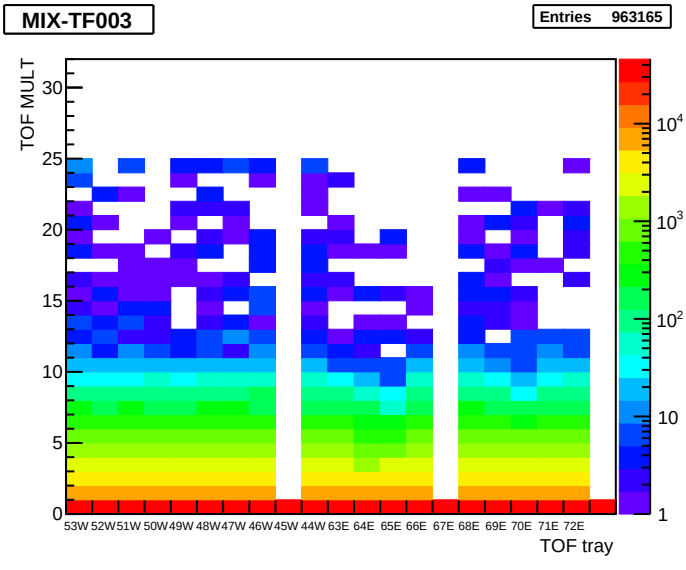

BunchId7Bit (BBC-TAC)
Entries 20324
10^2
0
20
40
60
80
100
120

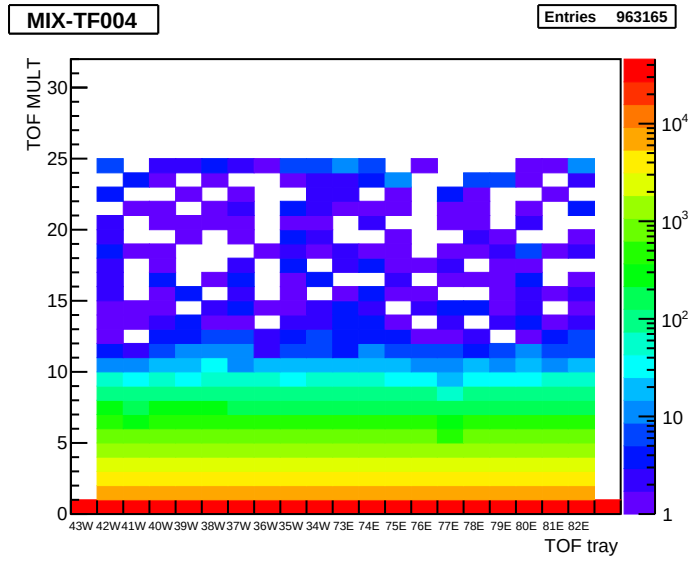

BunchId7Bit (Laser)
Entries 2327
10
0
20
40
60
80
100
120

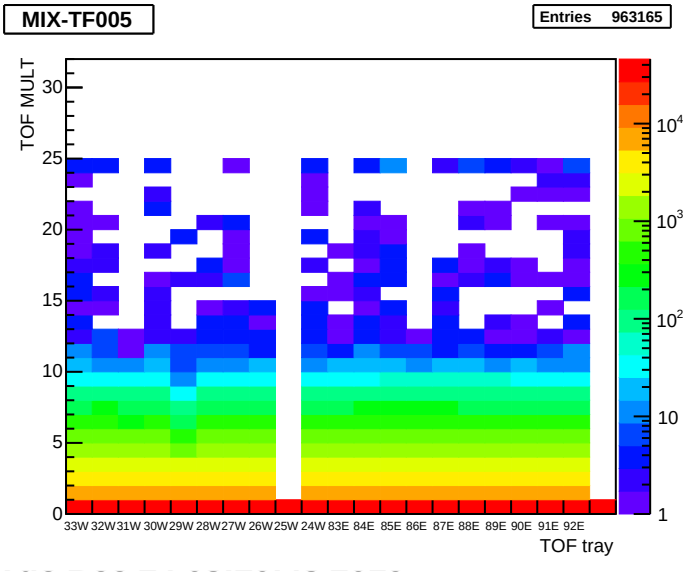

BunchId7Bit (TOFmult window)
Entries 1555
10
1
0
20
40
60
80
100
120

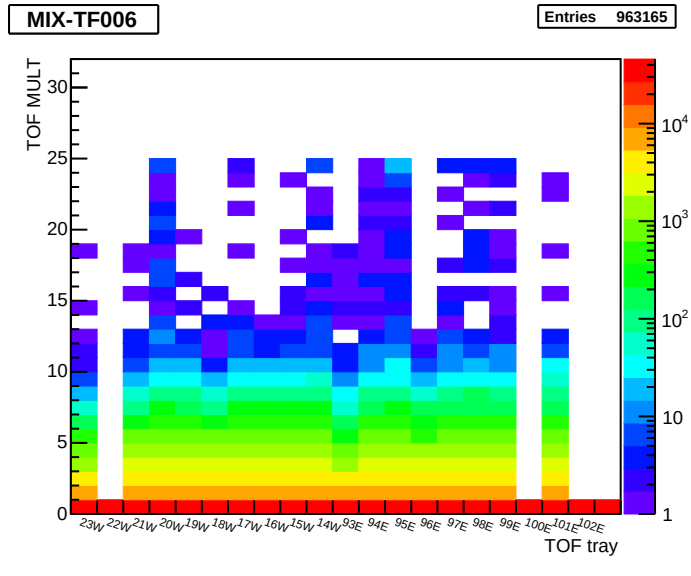

MIX-TF001
Entries 963165
TOF MULT
TOF tray

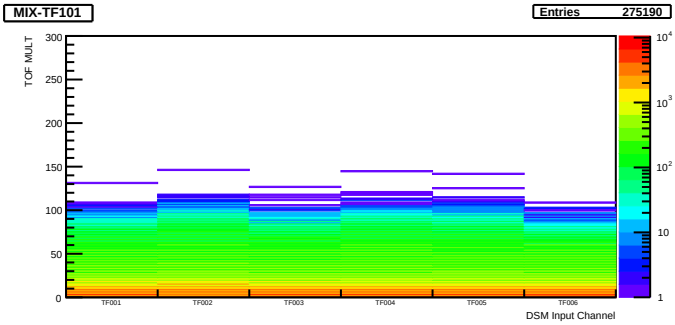

MIX-TF002
Entries 963165
TOF MULT
TOF tray

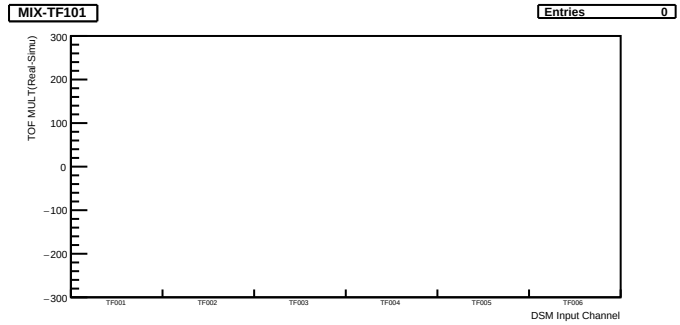

MIX-TF003
Entries 963165
TOF MULT
TOF tray

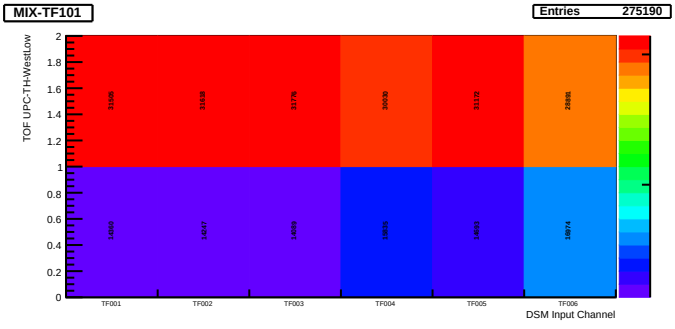

MIX-TF004
Entries 963165
TOF MULT
TOF tray

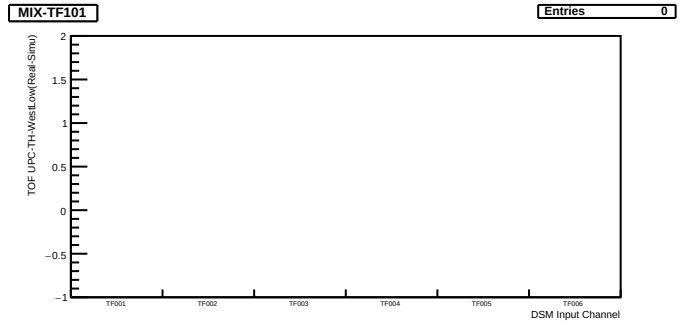

MIX-TF005
Entries 963165
TOF MULT
TOF tray

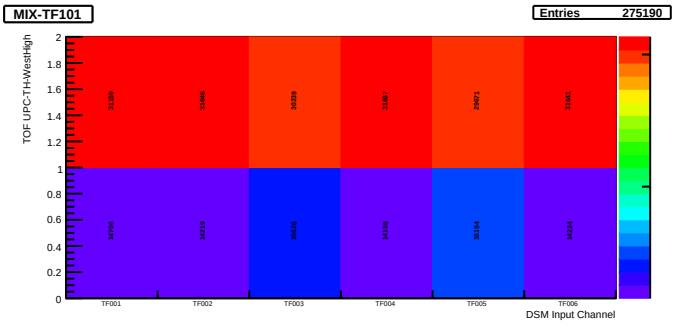

MIX-TF006
Entries 963165
TOF MULT
TOF tray

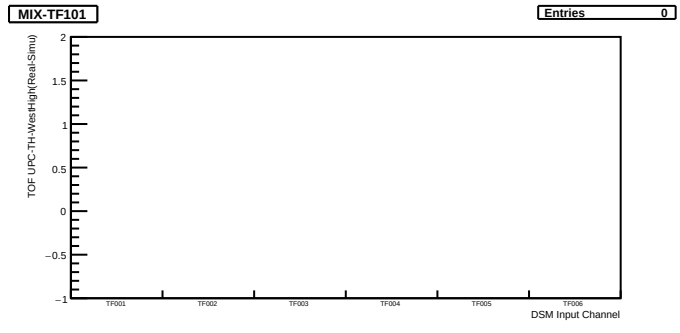

MIX-TF101
Entries 275190
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

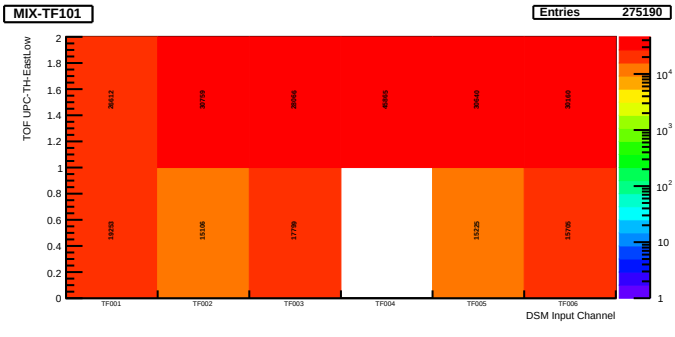

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

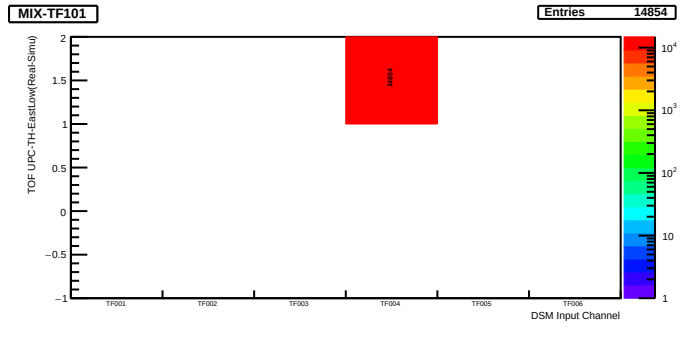

MIX-TF101
Entries 275190
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

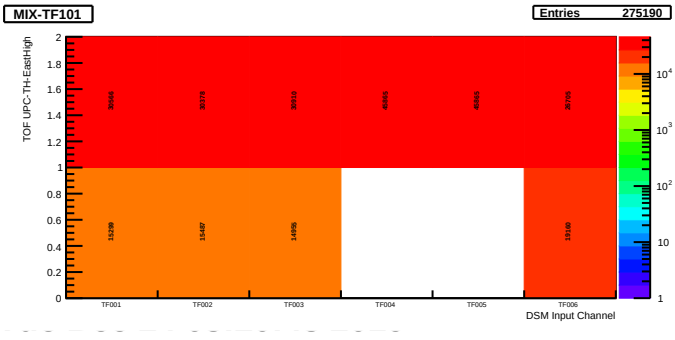

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

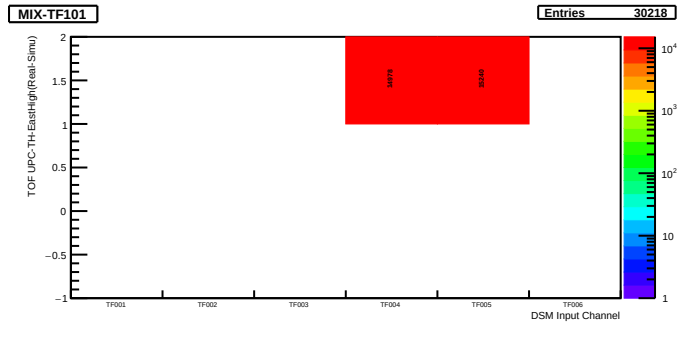

MIX-TF101
Entries 275190
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

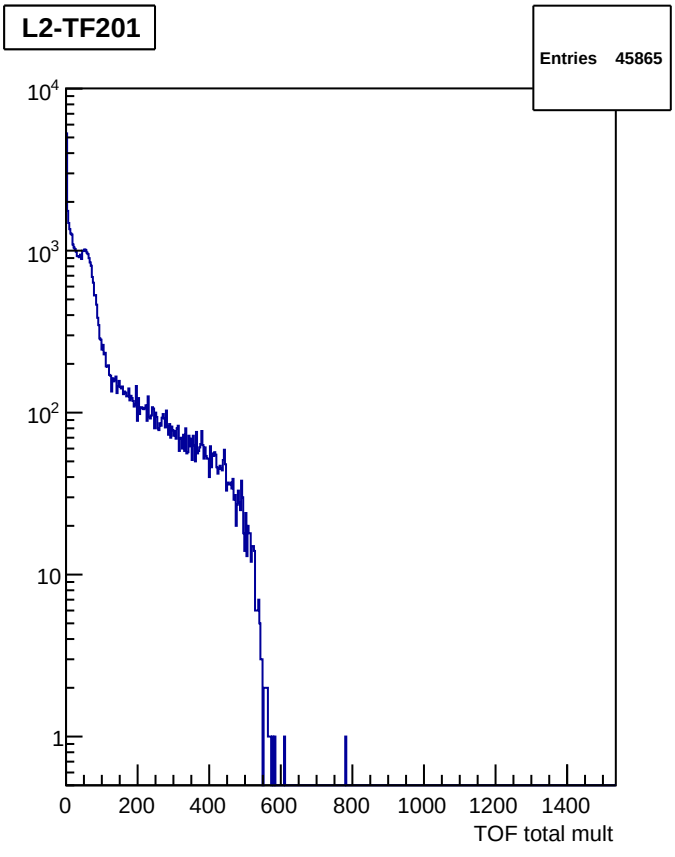

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

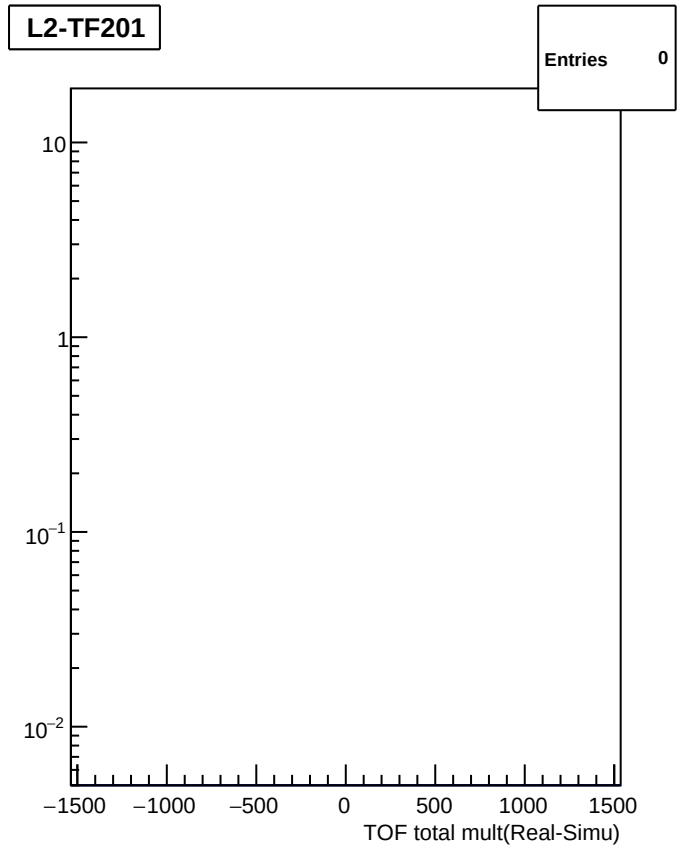

MIX-TF101
Entries 275190
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

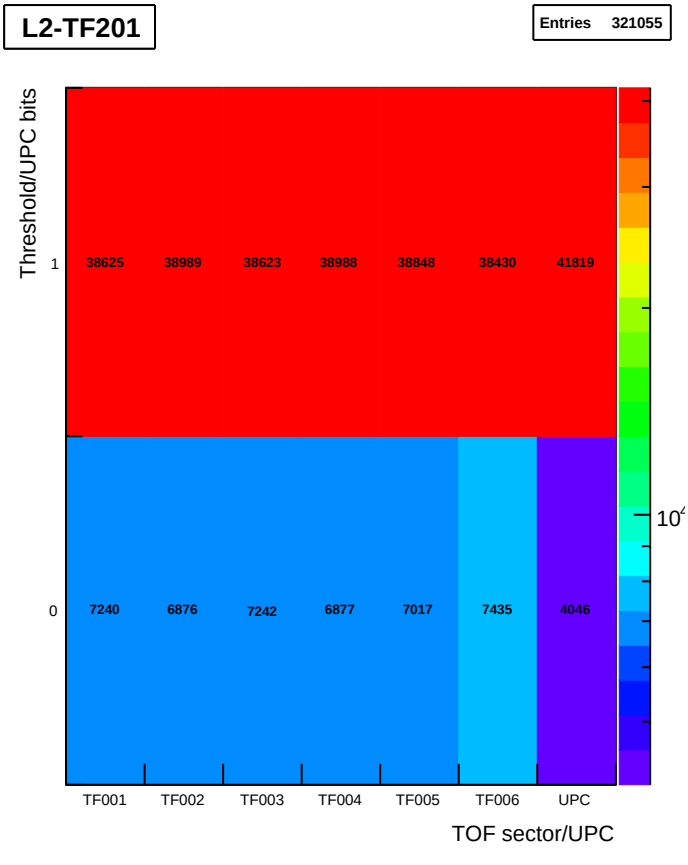

MIX-TF101
Entries 14854
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

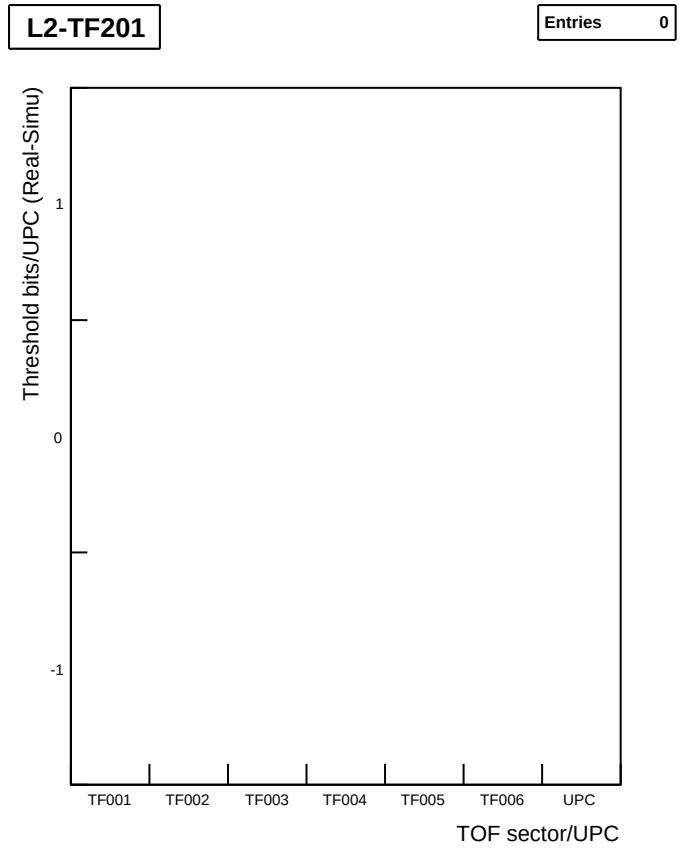

MIX-TF101
Entries 275190
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

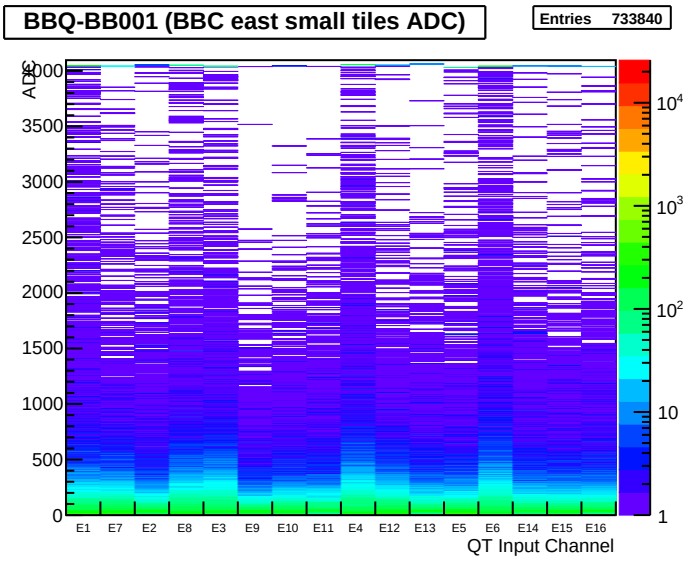

MIX-TF101
Entries 30218
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

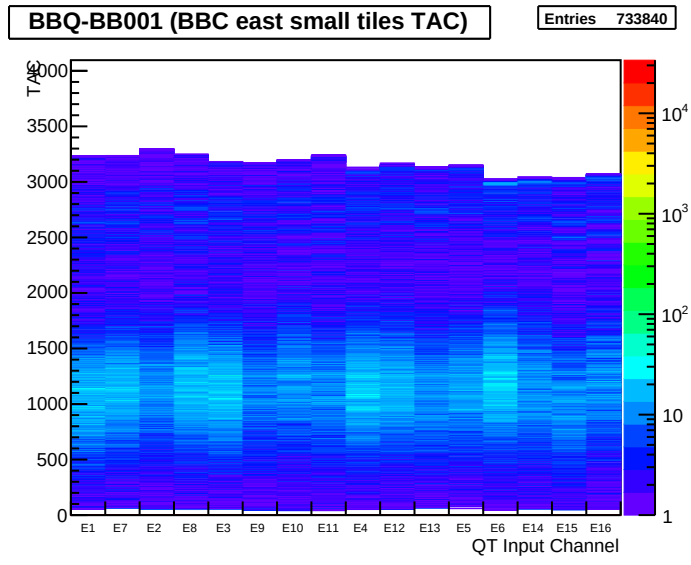

L2-TF201
Entries 45865
TOF total mult

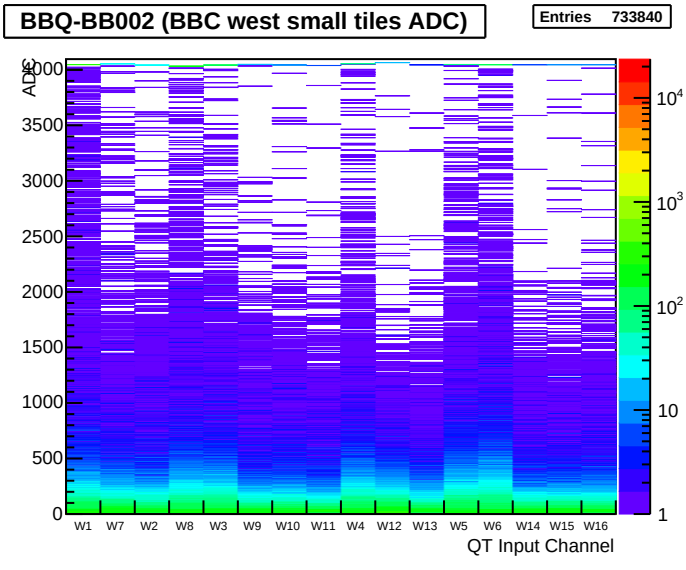

L2-TF201
Entries 0
TOF total mult(Real-Simu)

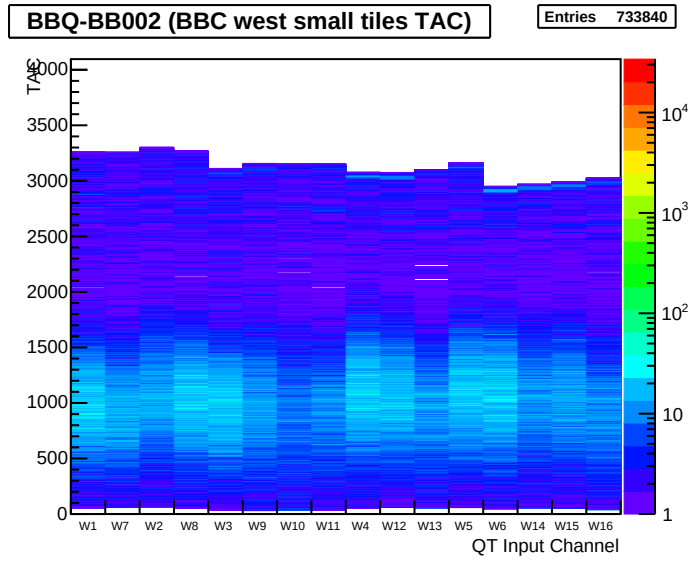

L2-TF201
Entries 321055
Threshold/UPC bits
38625 38989 38623 38988 38848 38430 41819
7240 6876 7242 6877 7017 7435 4046
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

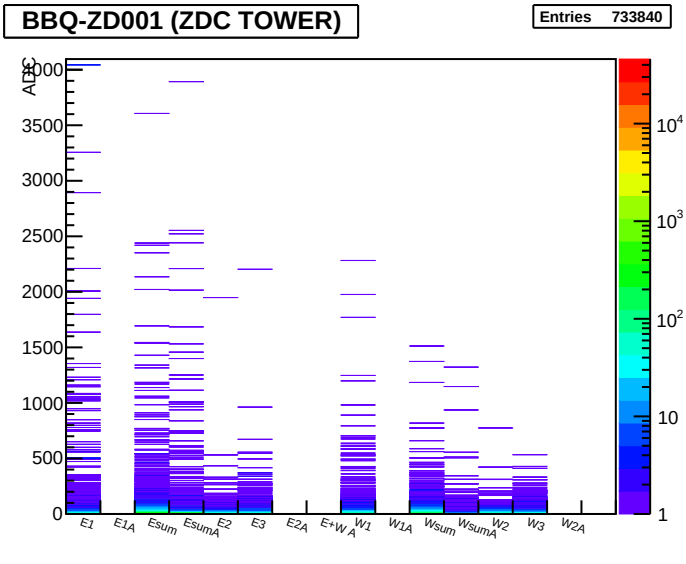

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

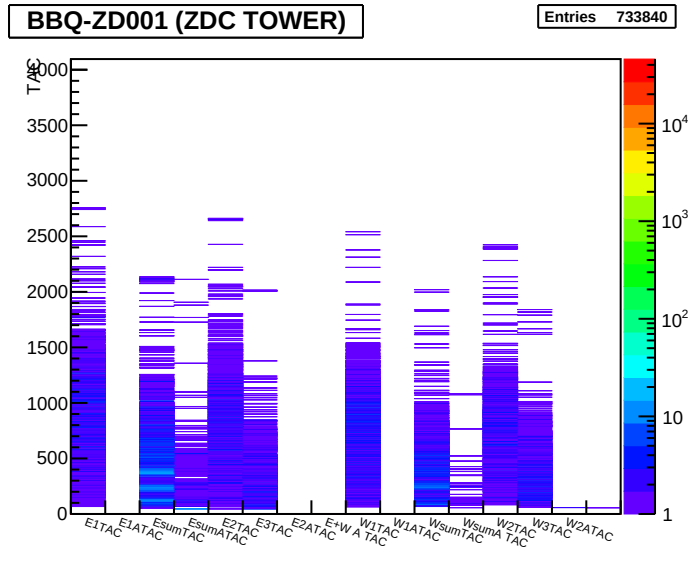

BBQ-BB001 (BBC east small tiles ADC)
Entries 733840
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

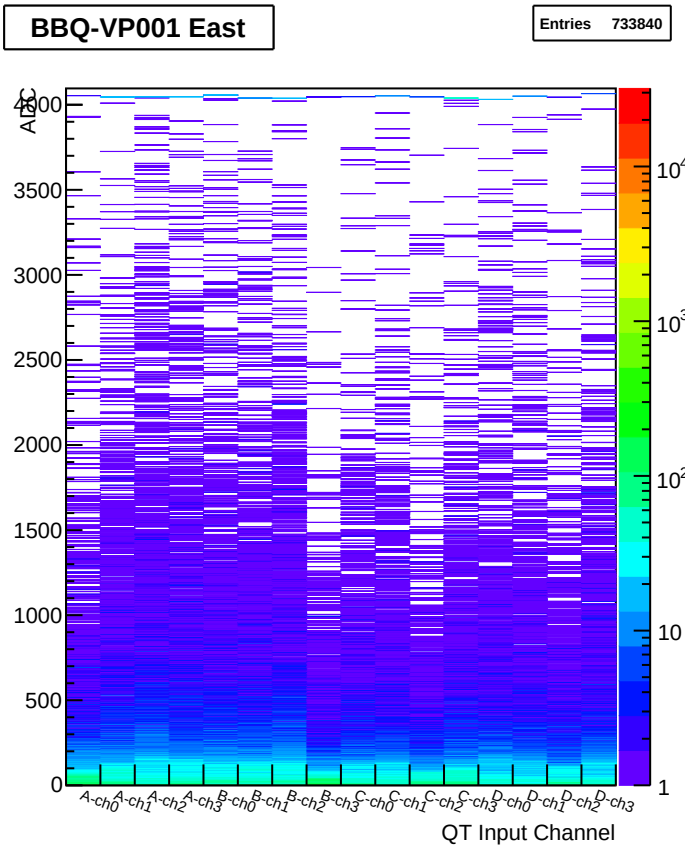

BBQ-BB001 (BBC east small tiles TAC)
Entries 733840
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

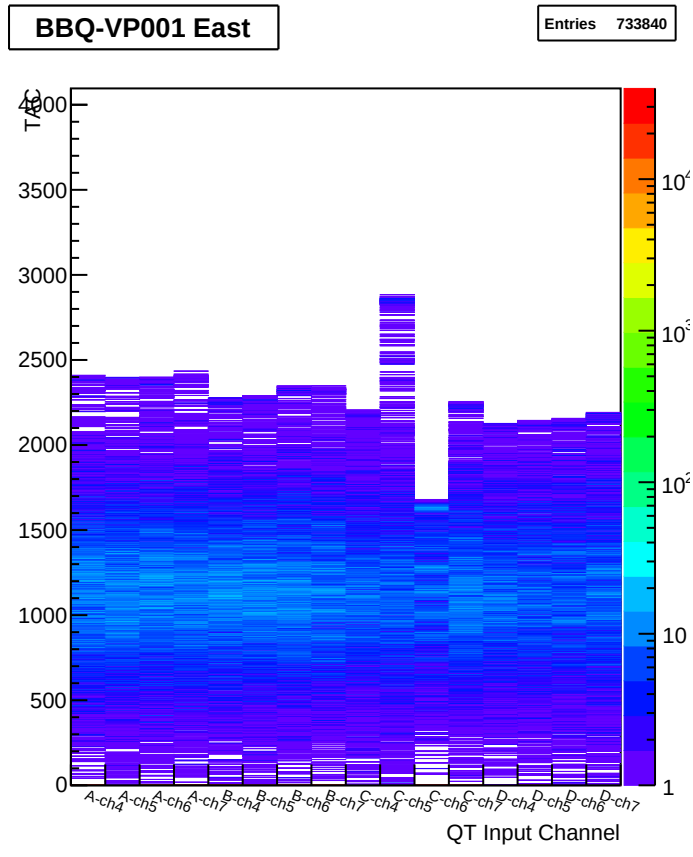

BBQ-BB002 (BBC west small tiles ADC)
Entries 733840
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

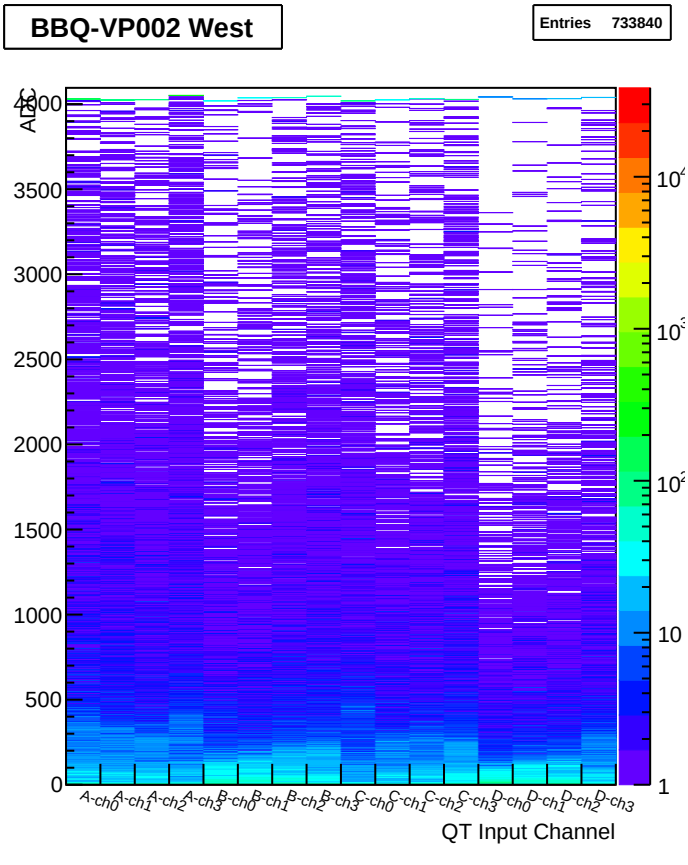

BBQ-BB002 (BBC west small tiles TAC)
Entries 733840
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

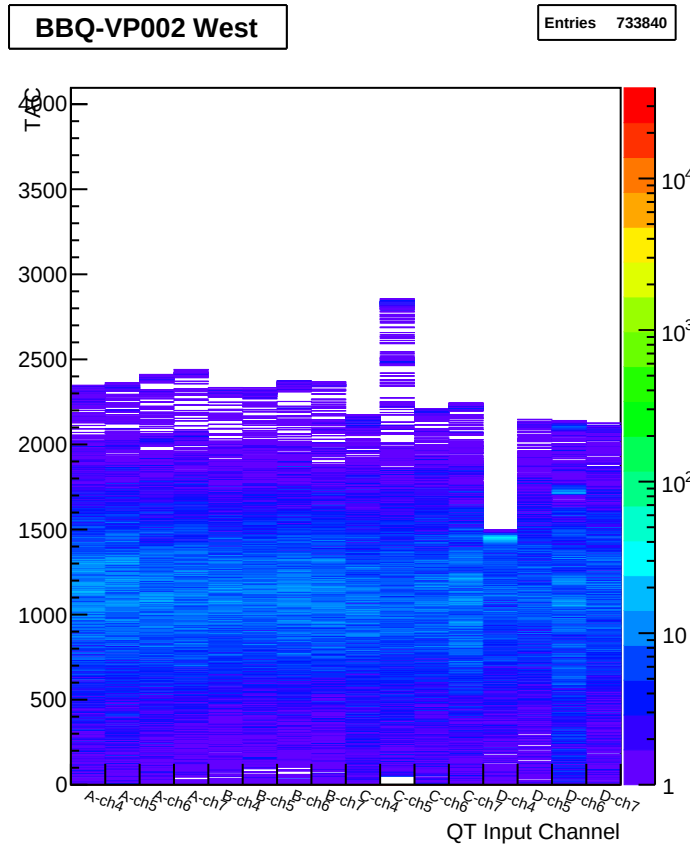

BBQ-ZD001 (ZDC TOWER)
Entries 733840
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

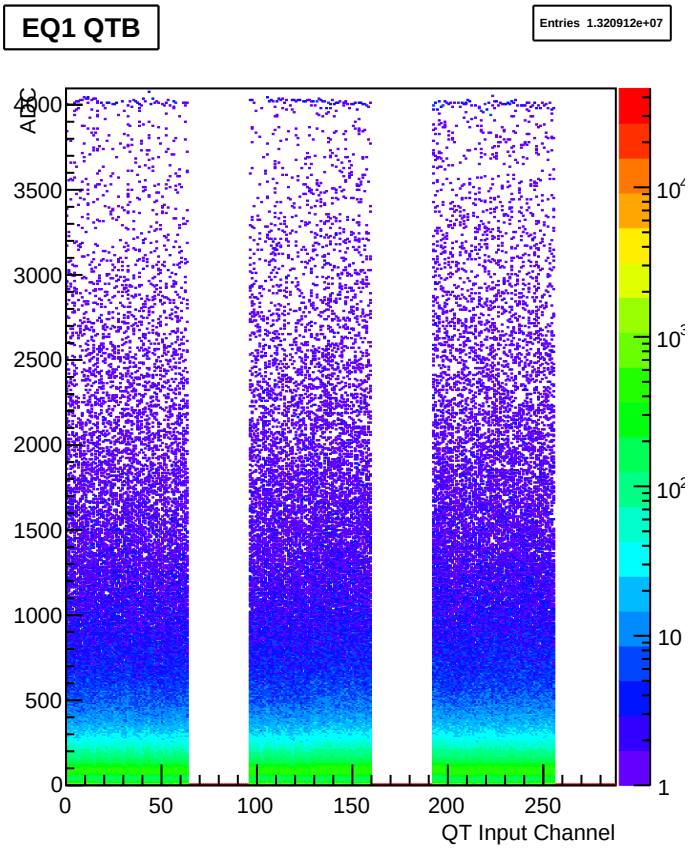

BBQ-ZD001 (ZDC TOWER)
Entries 733840
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

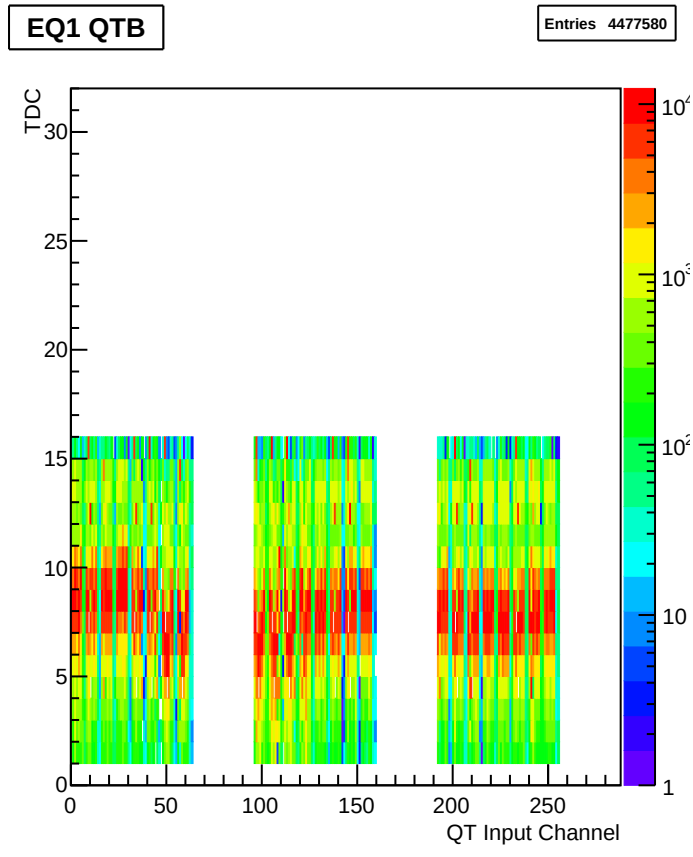

BBQ-VP001 East
Entries 733840
ADC
QT Input Channel

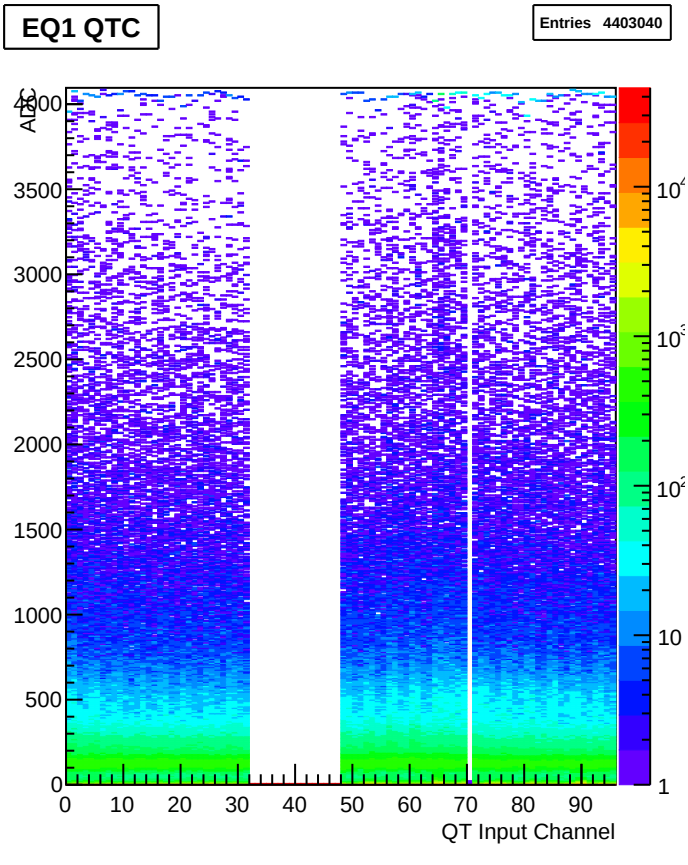

BBQ-VP001 East
Entries 733840
TADC
QT Input Channel

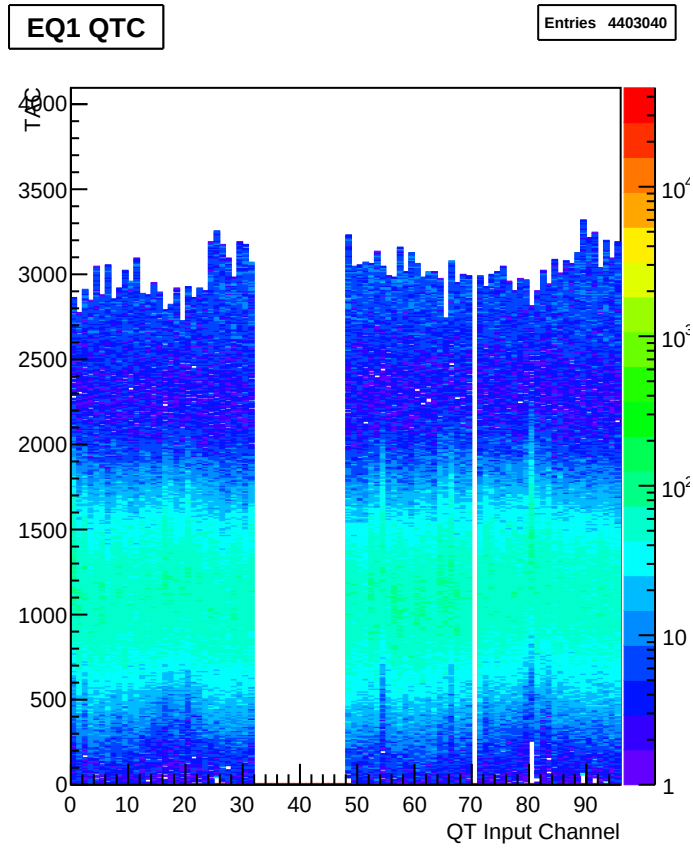

BBQ-VP002 West
Entries 733840
ADC
QT Input Channel

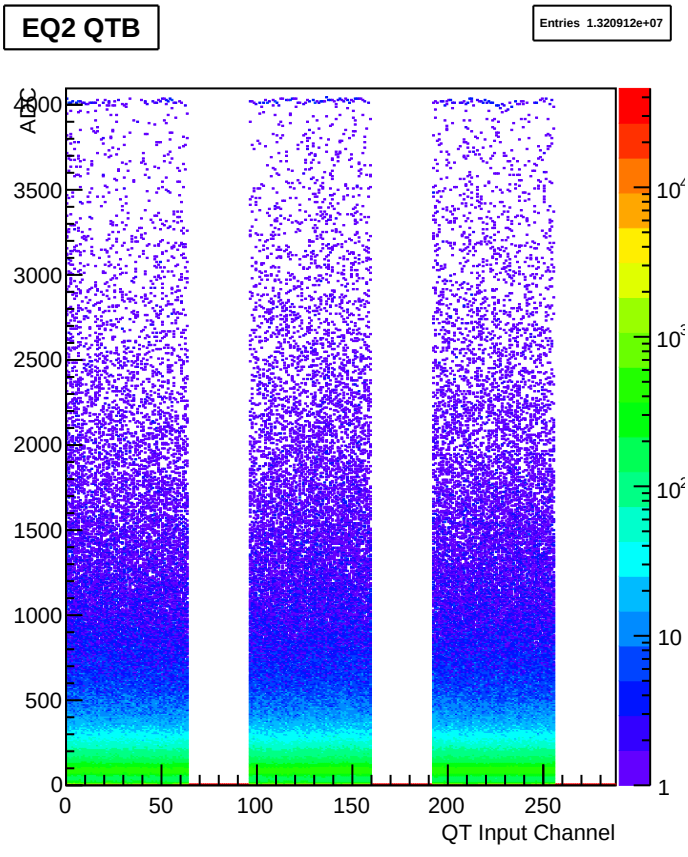

BBQ-VP002 West
Entries 733840
TADC
QT Input Channel

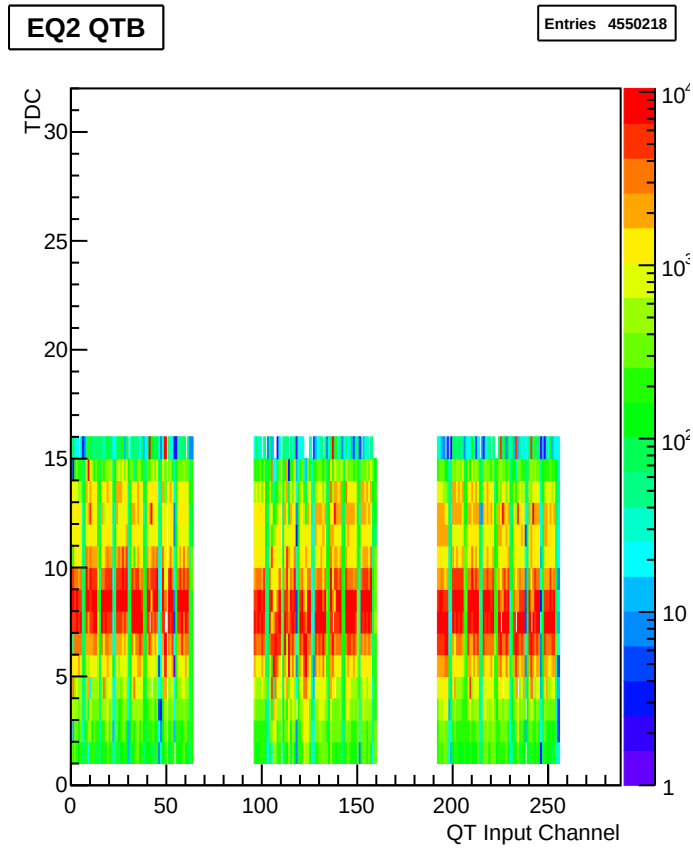

EQ1 QTB
Entries 1.320912e+07
ADC
QT Input Channel

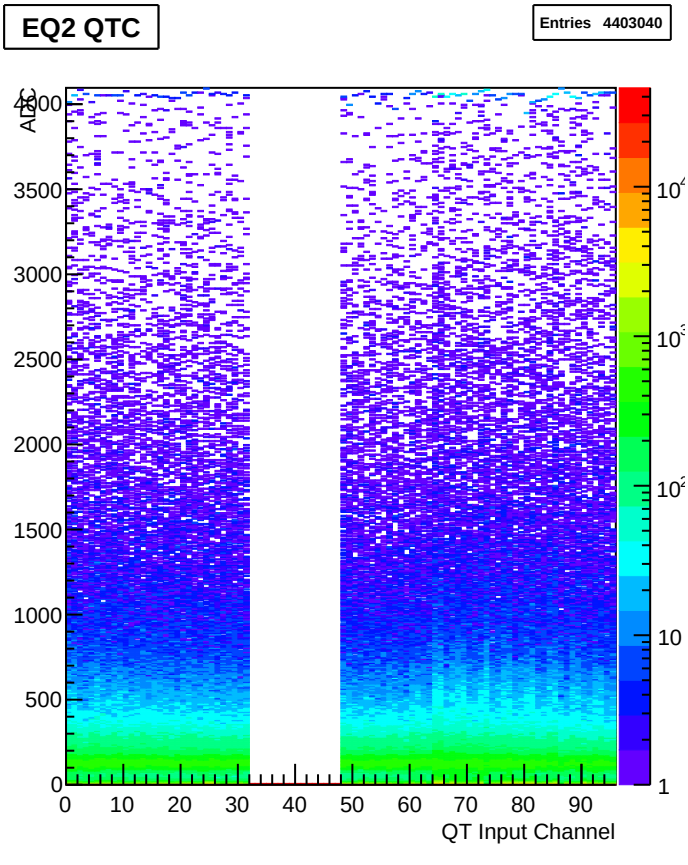

EQ1 QTB
Entries 4477580
TDC
QT Input Channel

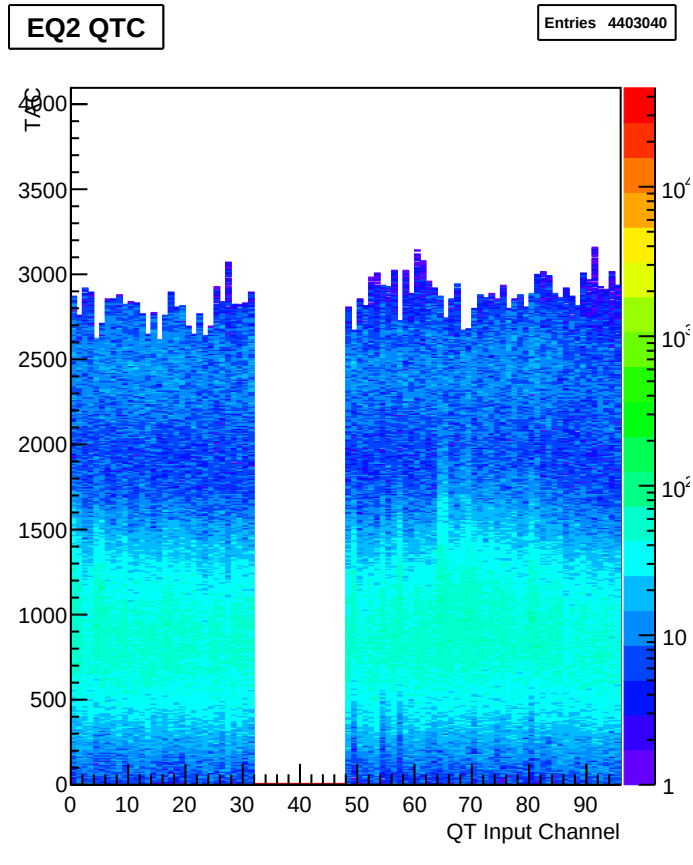

EQ1 QTC
Entries 4403040
ADC
QT Input Channel

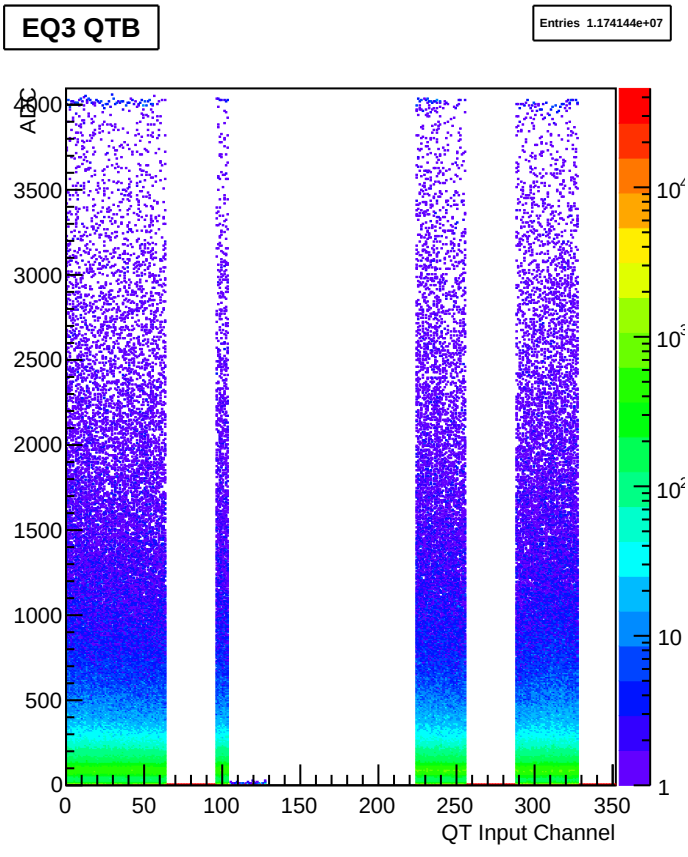

EQ1 QTC
Entries 4403040
TADC
QT Input Channel

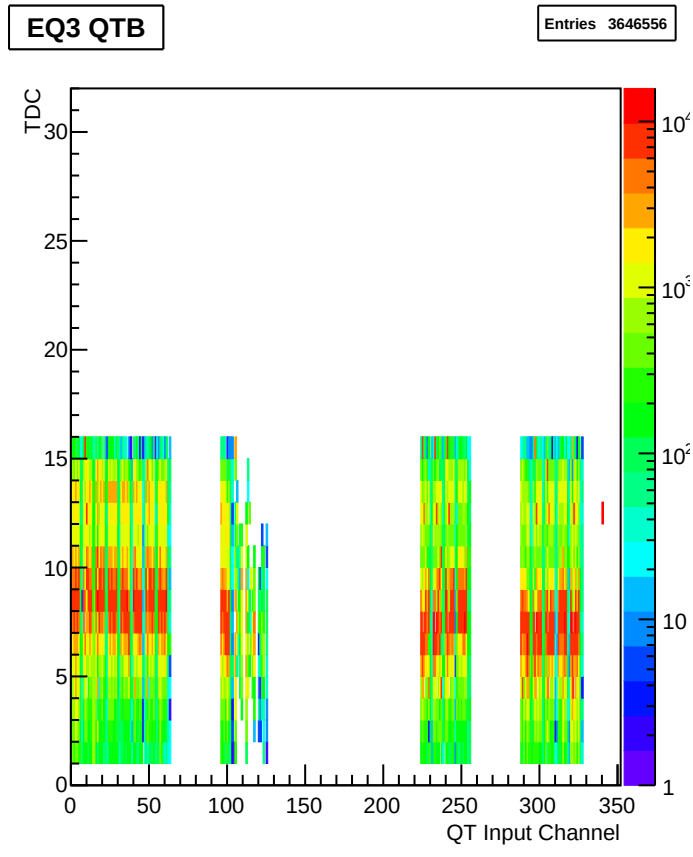

EQ2 QTB
Entries 1.320912e+07
ADC
QT Input Channel

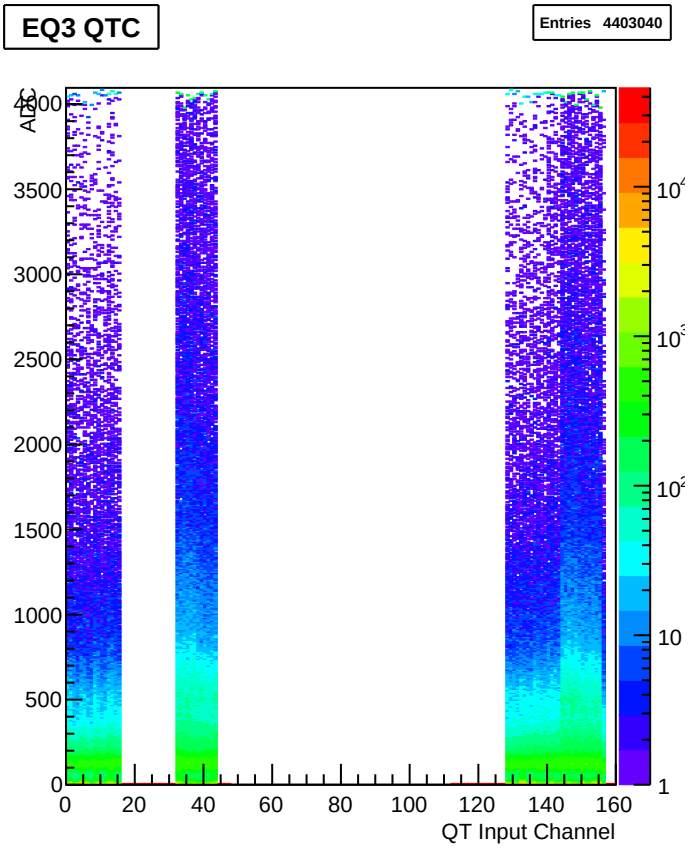

EQ2 QTB
Entries 4550218
TDC
QT Input Channel

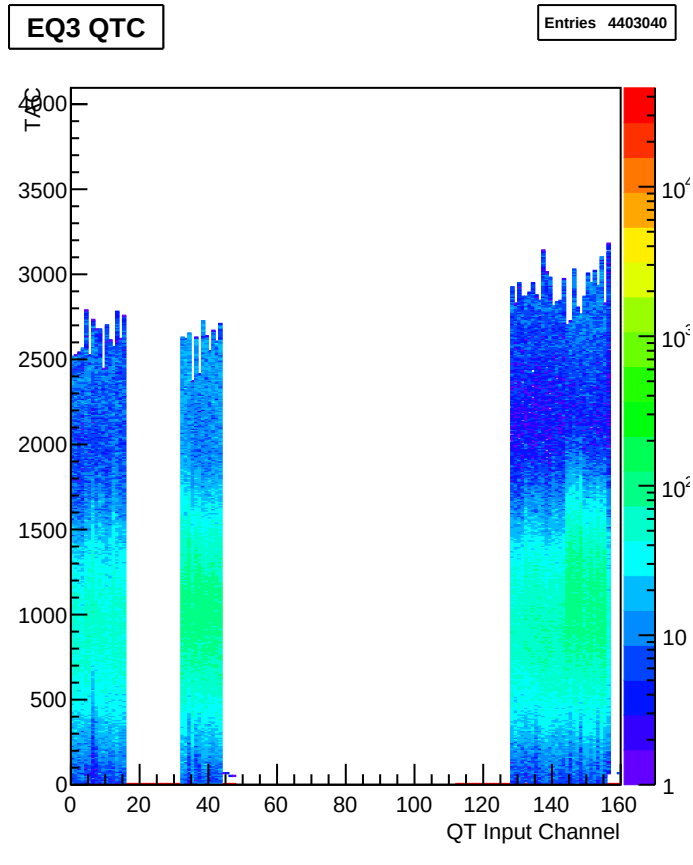

EQ2 QTC
Entries 4403040
ADC
QT Input Channel

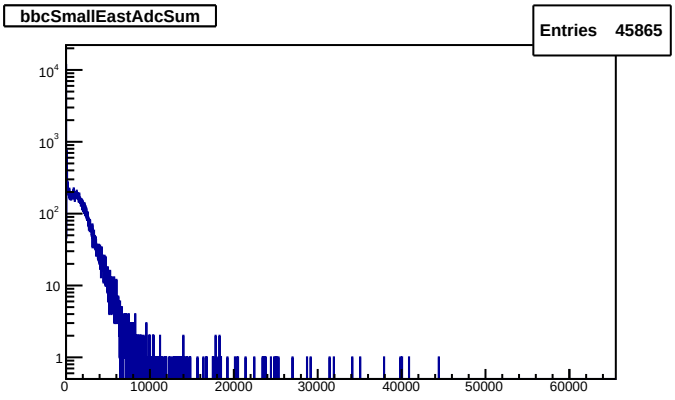

EQ2 QTC
Entries 4403040
TADC
QT Input Channel

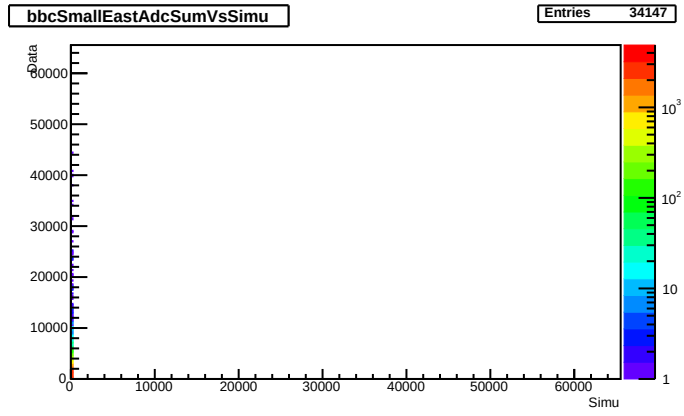

EQ3 QTB
Entries 1.174144e+07
ADC
QT Input Channel

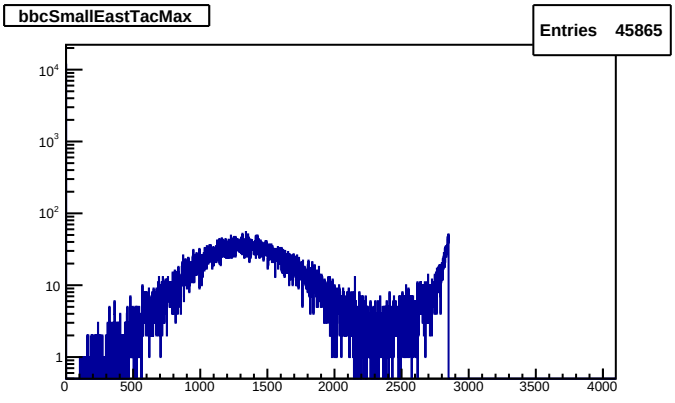

EQ3 QTB
Entries 3646556
TDC
QT Input Channel

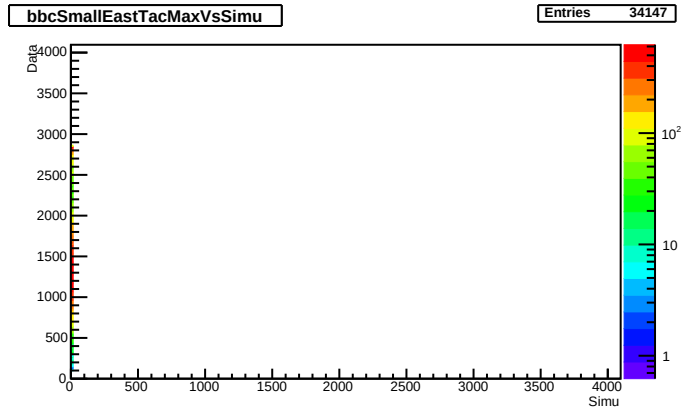

EQ3 QTC
Entries 4403040
ADC
QT Input Channel

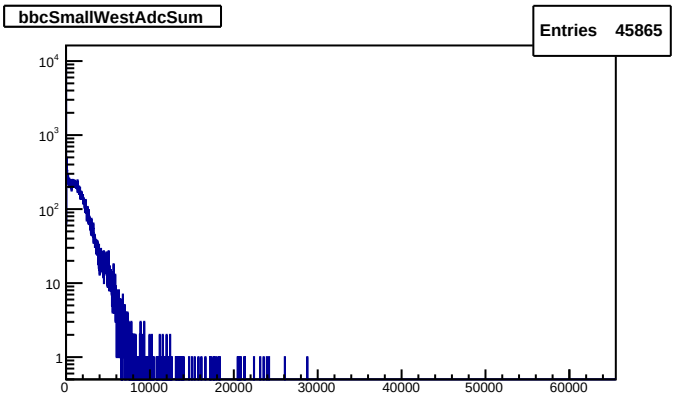

EQ3 QTC
Entries 4403040
TADC
QT Input Channel

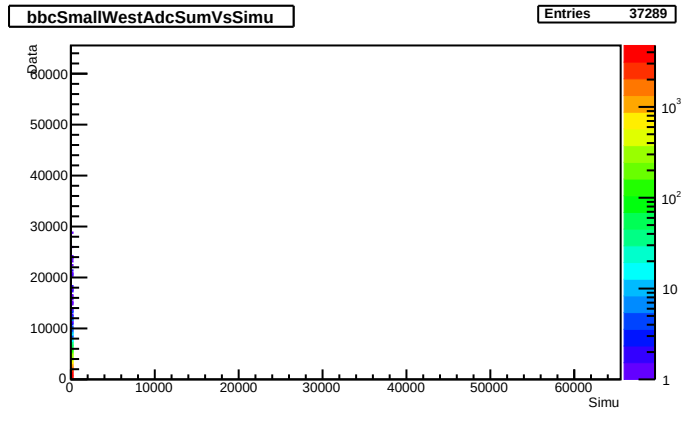

bbcSmallEastAdcSum
Entries 45865

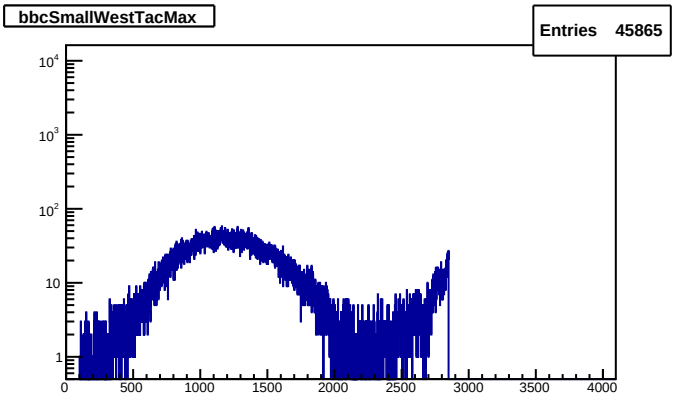

bbcSmallEastAdcSumVsSimu
Entries 34147
Data
Simu

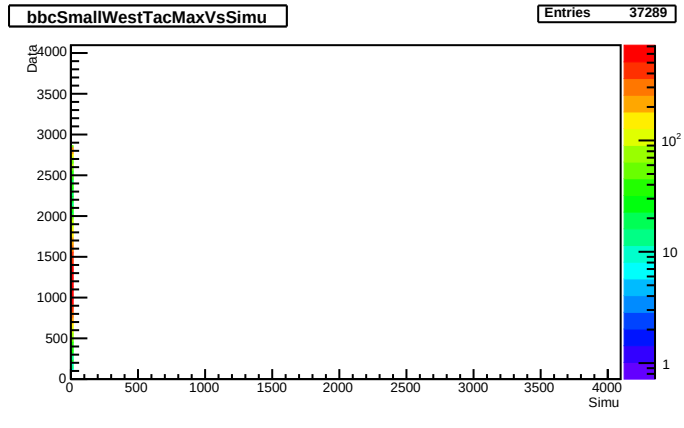

bbcSmallEastTacMax
Entries 45865

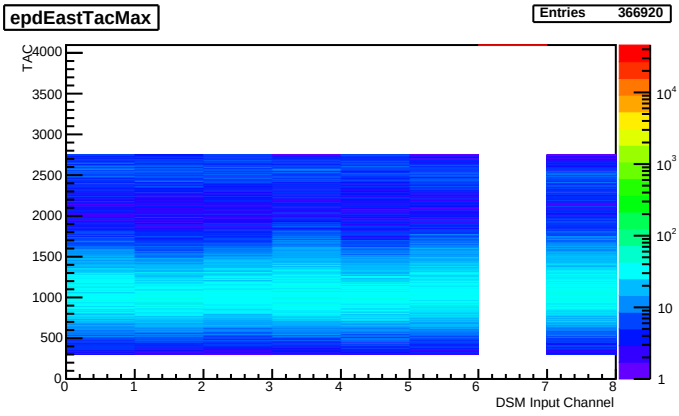

bbcSmallEastTacMaxVsSimu
Entries 34147
Data
Simu

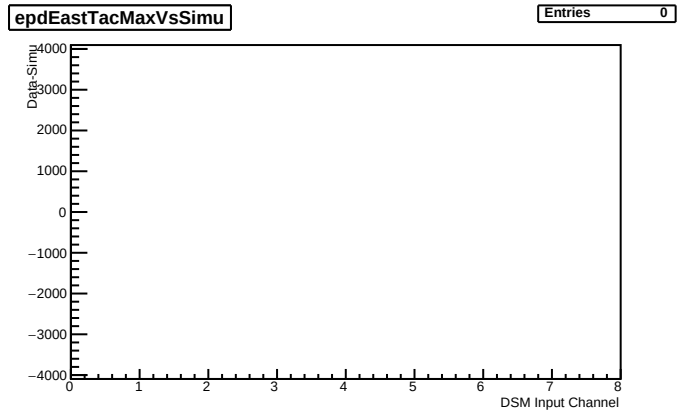

bbcSmallWestAdcSum
Entries 45865

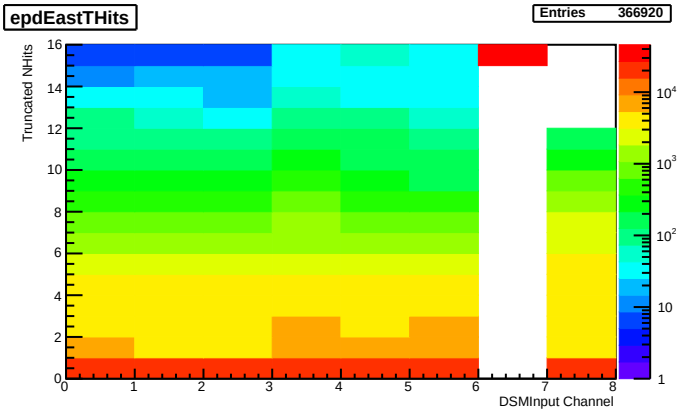

bbcSmallWestAdcSumVsSimu
Entries 37289
Data
Simu

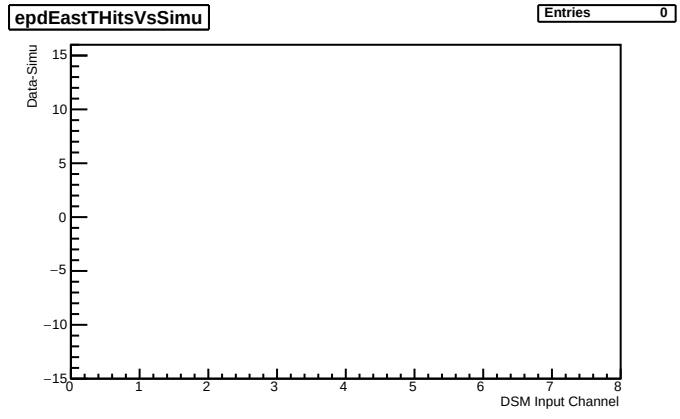

bbcSmallWestTacMax
Entries 45865

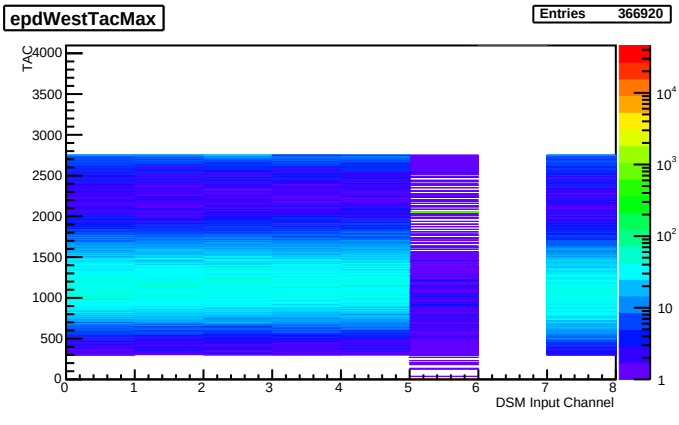

bbcSmallWestTacMaxVsSimu
Entries 37289
Data
Simu

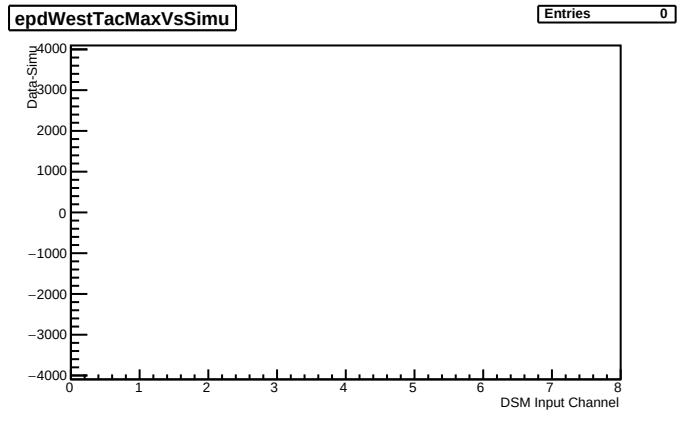

epdEastTacMax
Entries 366920
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 366920
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 366920
TAC
DSM Input Channel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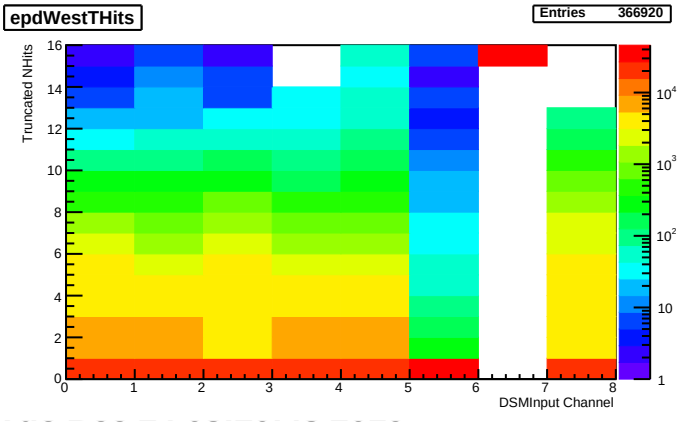
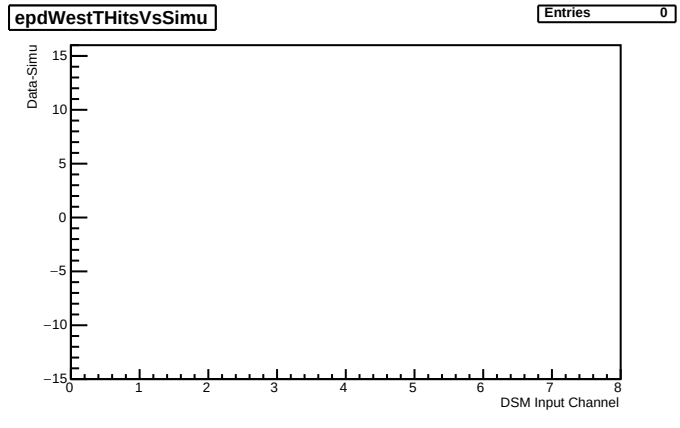
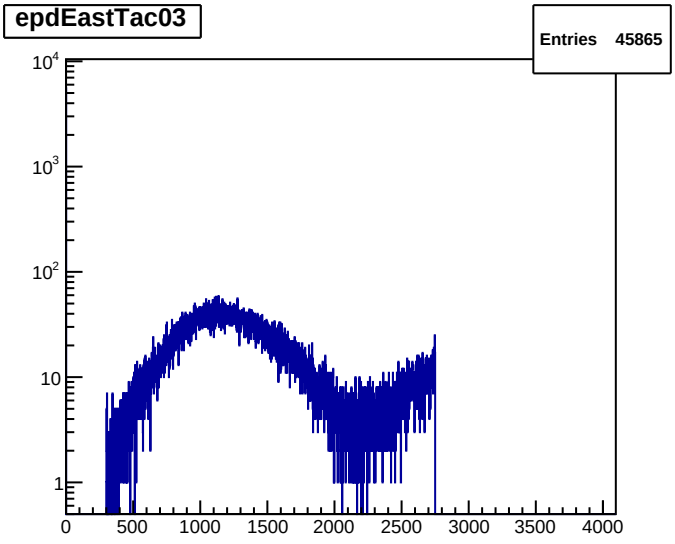
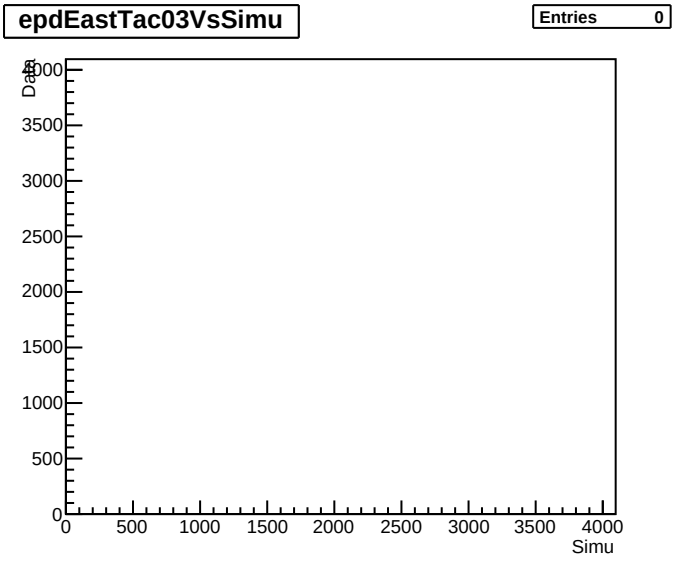
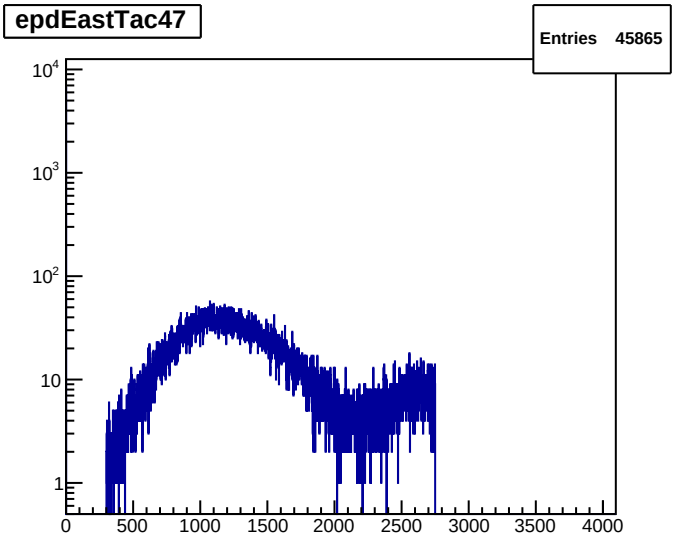
Entries 0
Data-Simu
DSM Input Channel

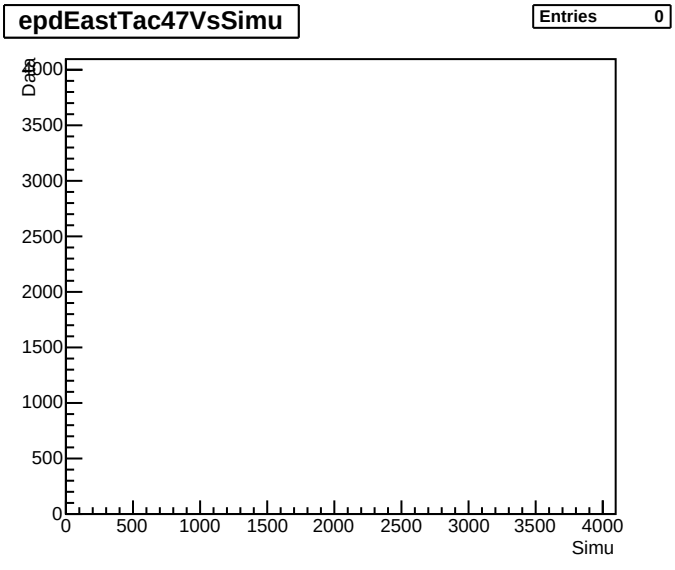

epdWestTHits
Entries 366920
Truncated NHits
DSMInput Channel

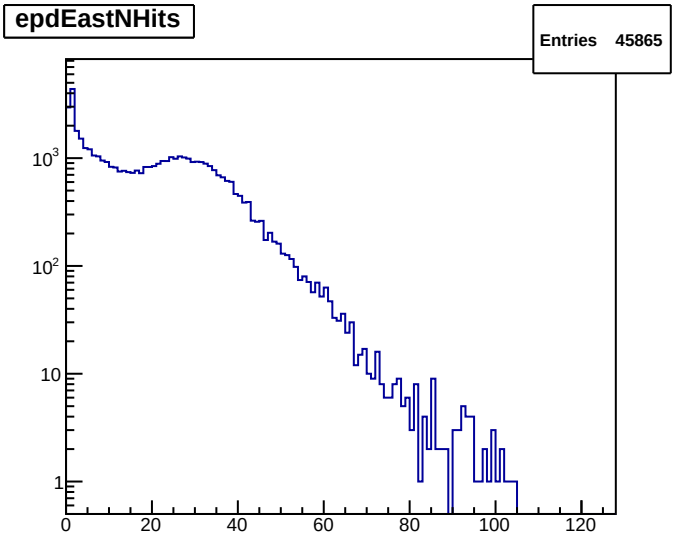

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

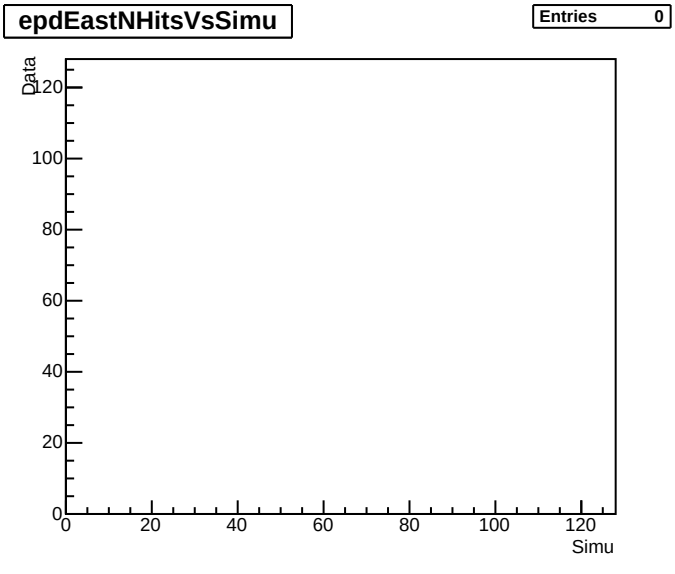

epdEastTac03
Entries 45865

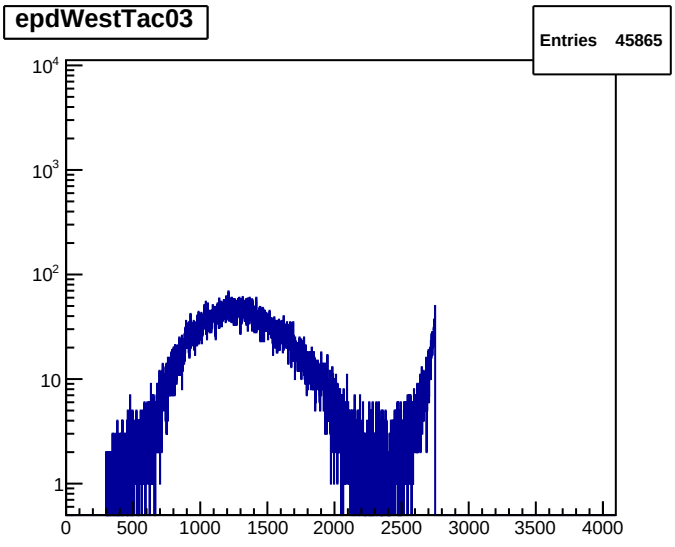

epdEastTac03VsSimu
Entries 0
Data
Simu

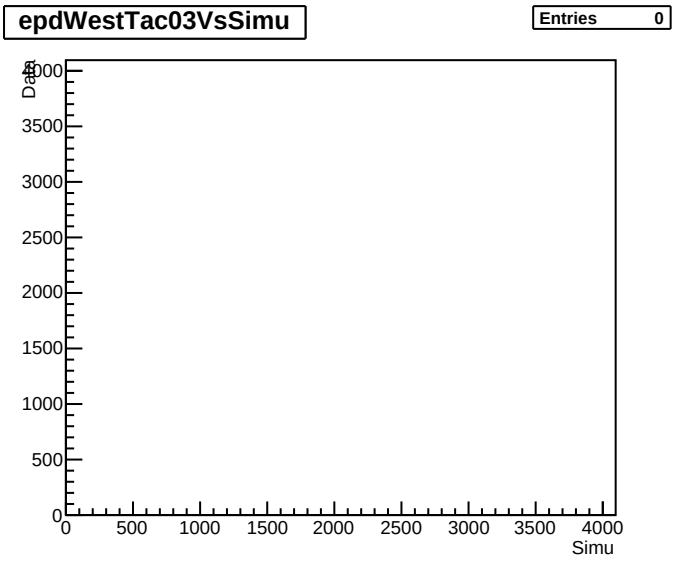

epdEastTac47
Entries 45865

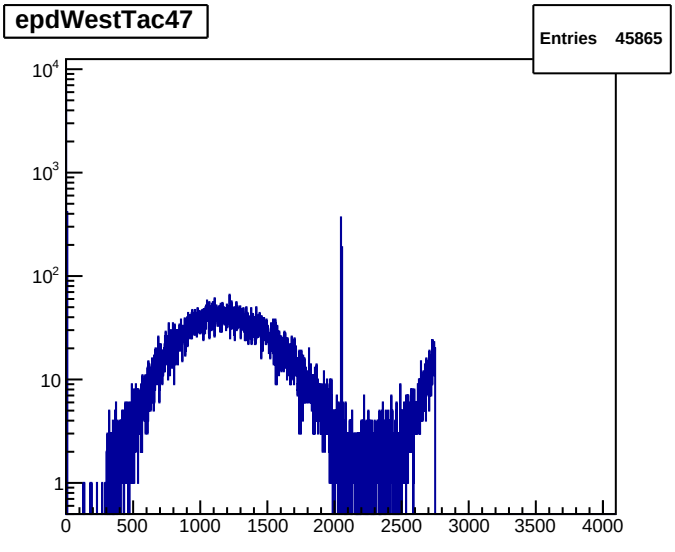

epdEastTac47VsSimu
Entries 0
Data
Simu

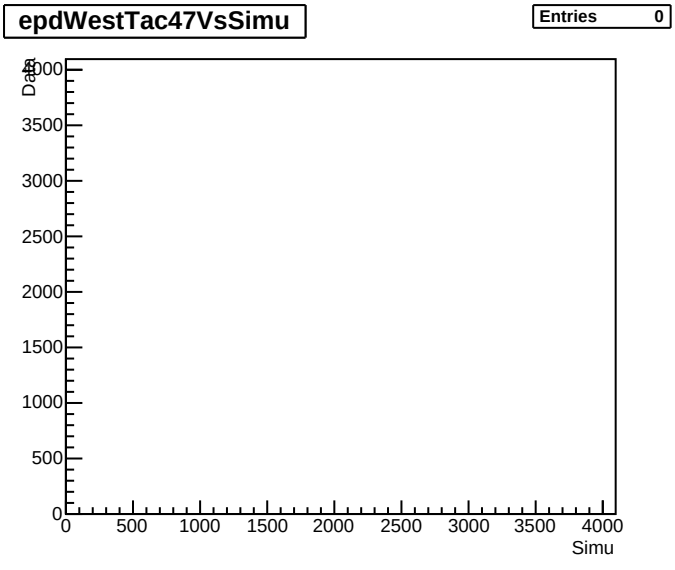

epdEastNHits
Entries 45865

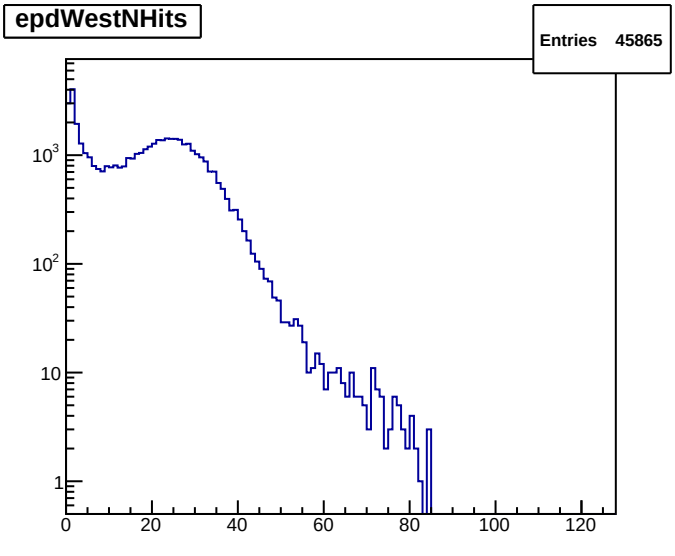

epdEastNHitsVsSimu
Entries 0
Data
Simu

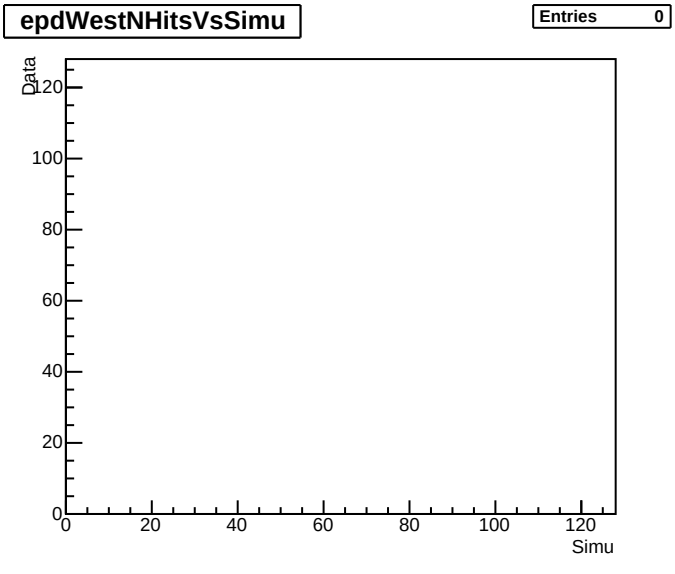

epdWestTac03
Entries 45865

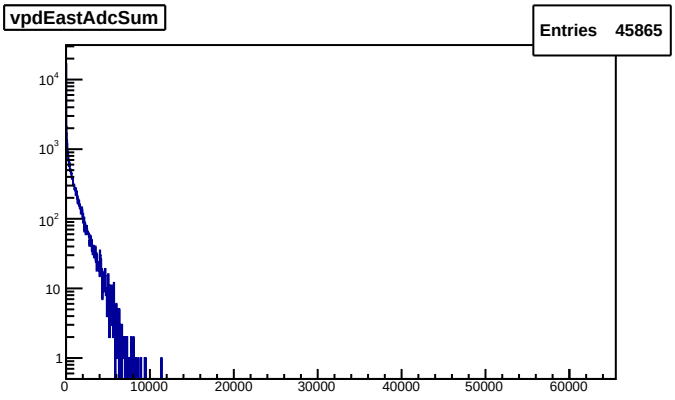

epdWestTac03VsSimu
Entries 0
Data
Simu

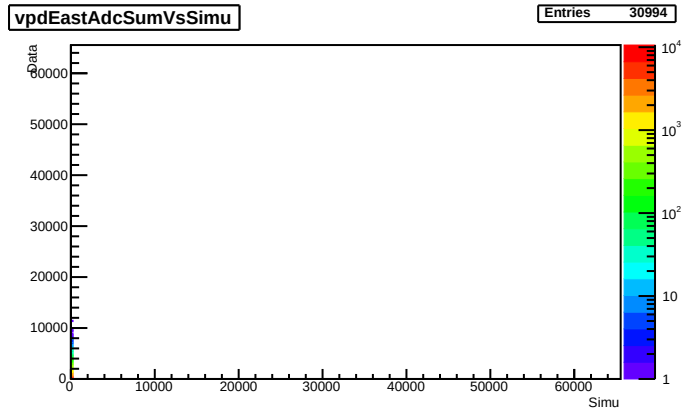

epdWestTac47
Entries 45865

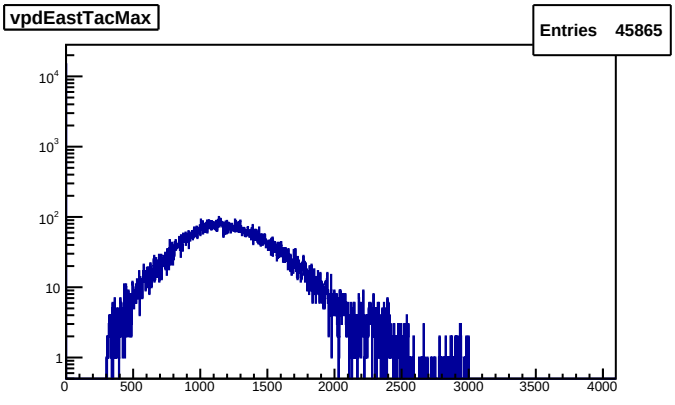

epdWestTac47VsSimu
Entries 0
Data
Simu

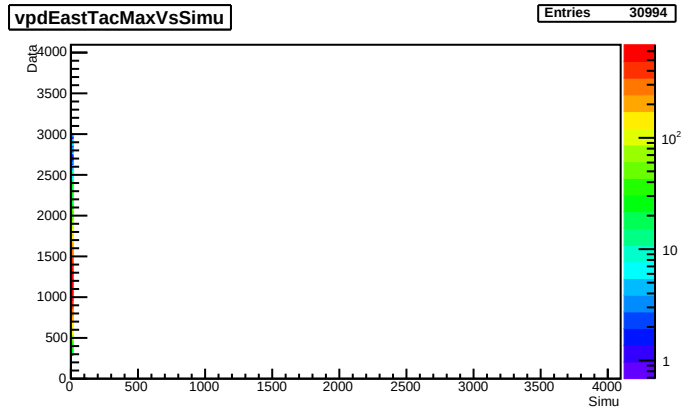

epdWestNHits
Entries 45865

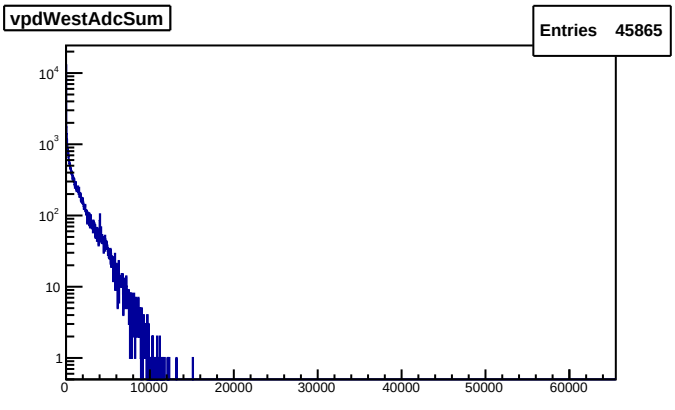

epdWestNHitsVsSimu
Entries 0
Data
Simu

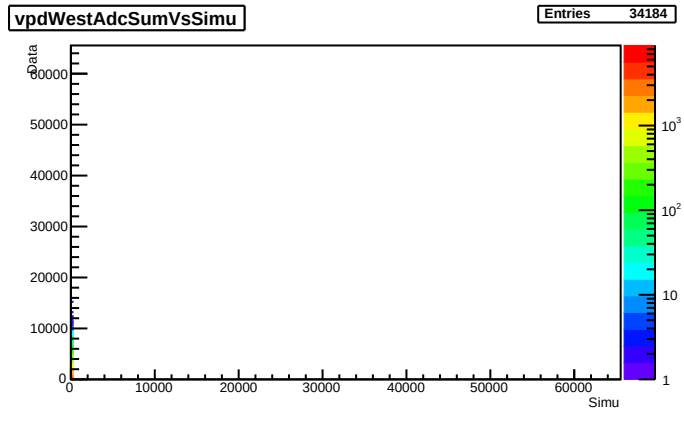

vpdEastAdcSum
Entries 45865

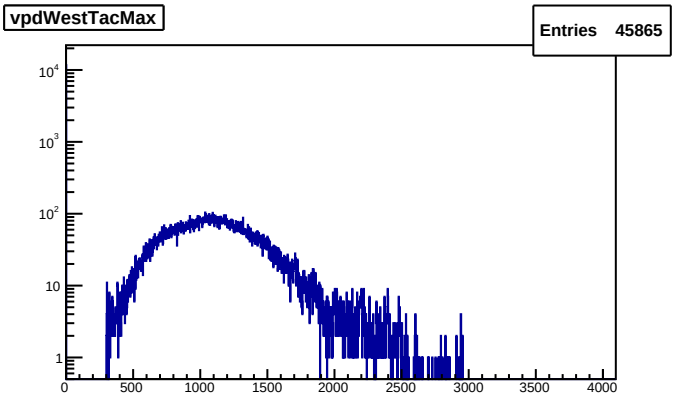

vpdEastAdcSumVsSimu
Entries 30994
Data
Simu

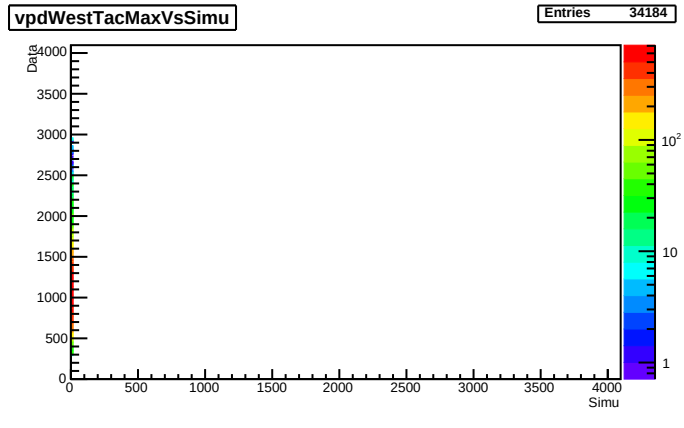

vpdEastTacMax
Entries 45865

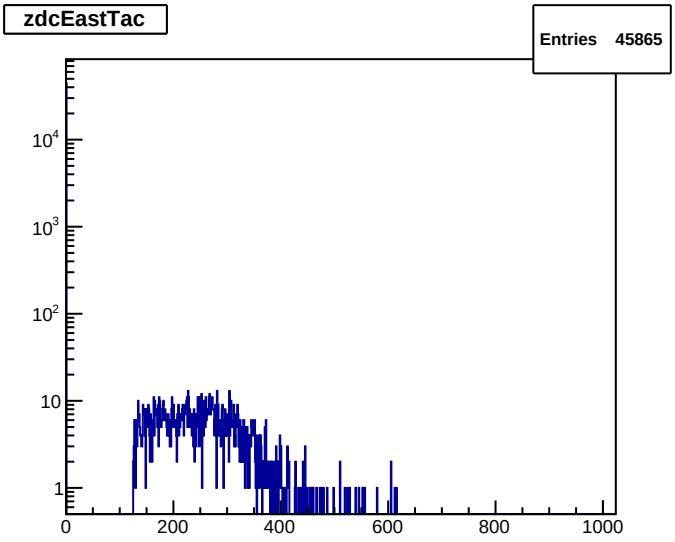

vpdEastTacMaxVsSimu
Entries 30994
Data
Simu

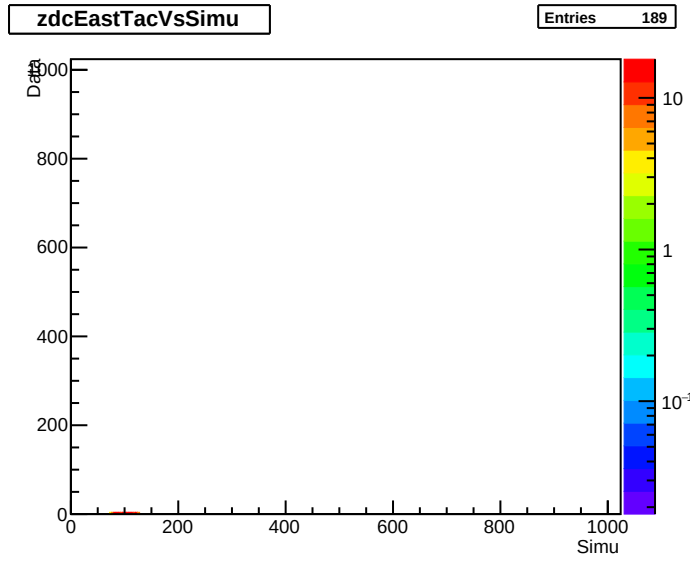

vpdWestAdcSum
Entries 45865

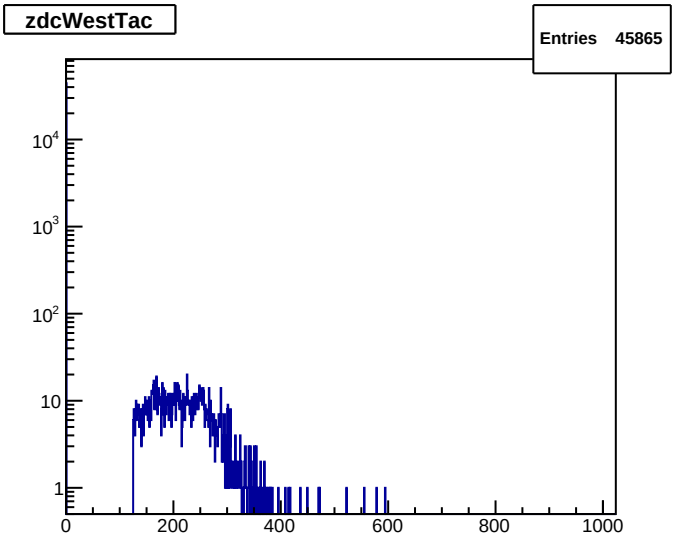

vpdWestAdcSumVsSimu
Entries 34184
Data
Simu

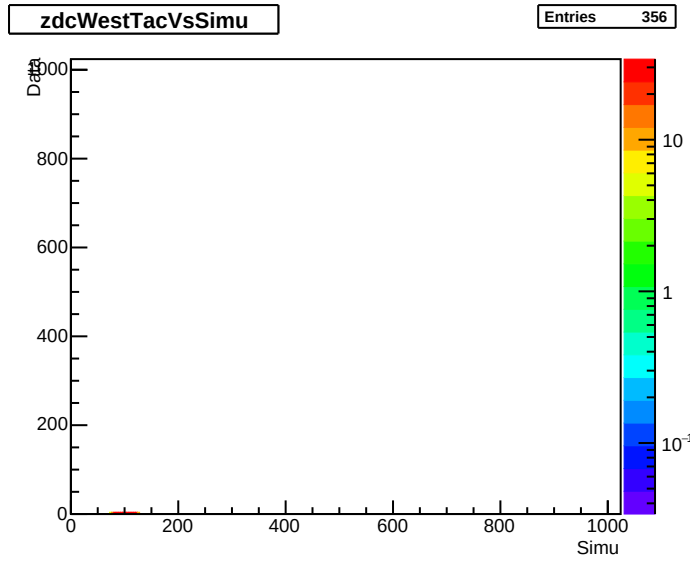

vpdWestTacMax
Entries 45865

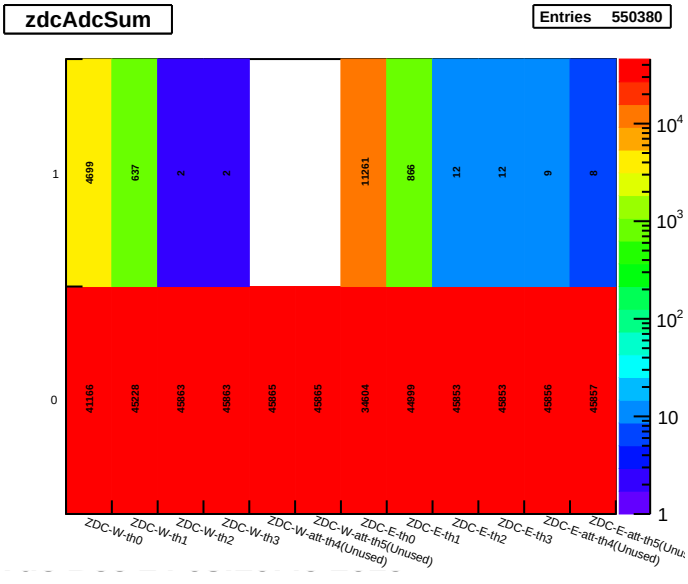

vpdWestTacMaxVsSimu
Entries 34184
Data
Simu

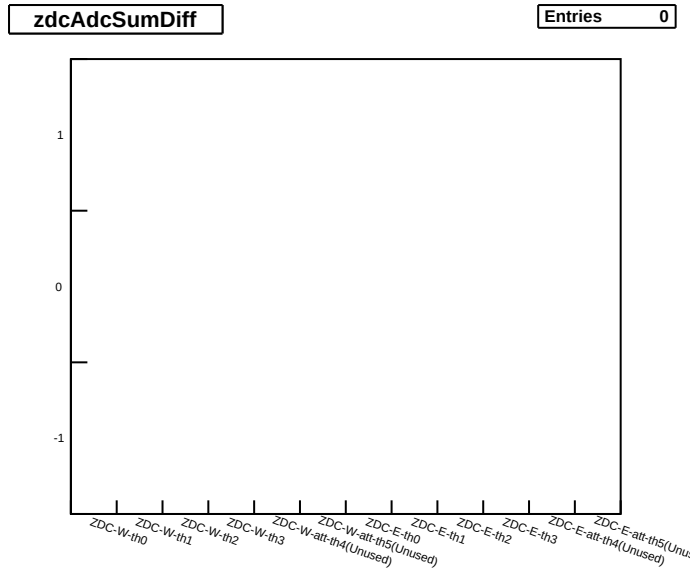

zdcEastTac
Entries 45865

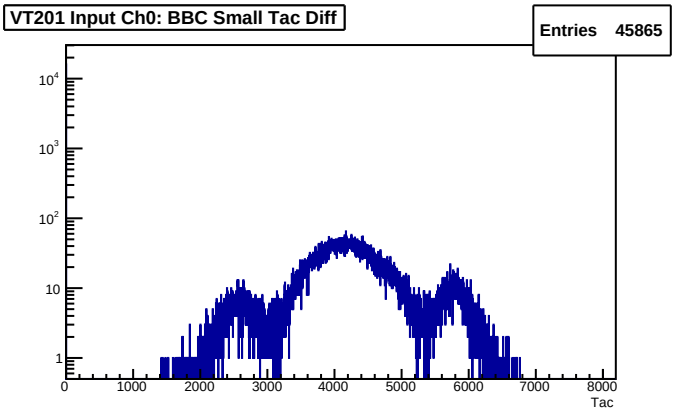

zdcEastTacVsSimu
Entries 189
Data
Simu

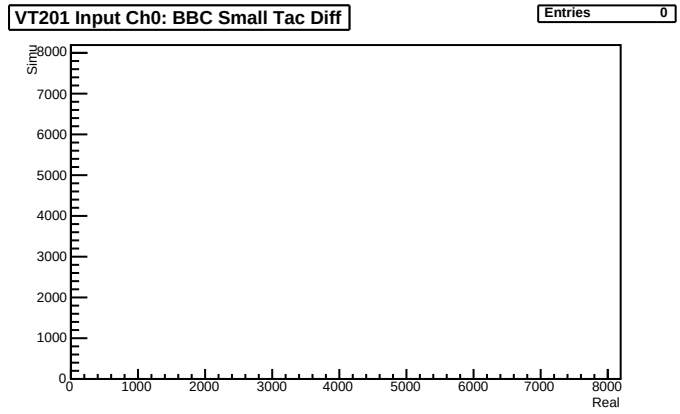

zdcWestTac
Entries 45865

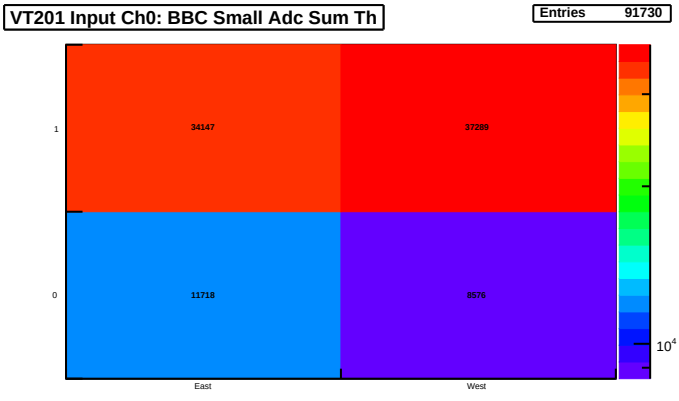

zdcWestTacVsSimu
Entries 356
Data
Simu

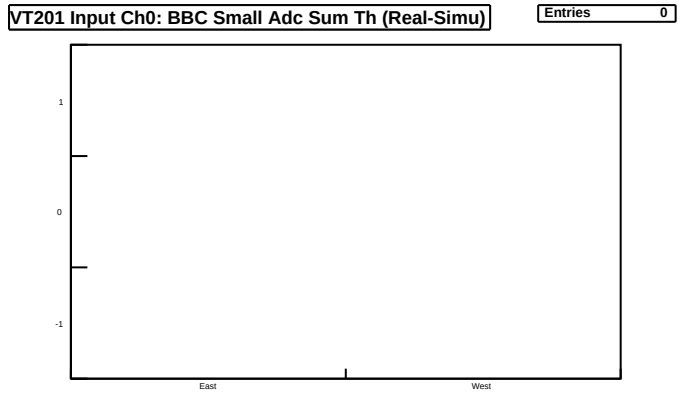

zdcAdcSum
Entries 550380
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

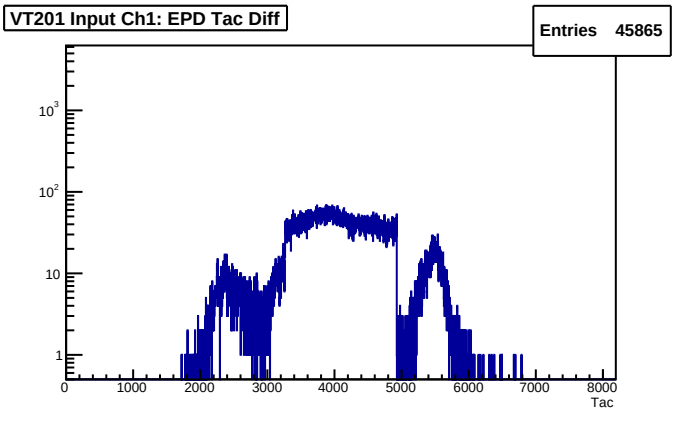

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

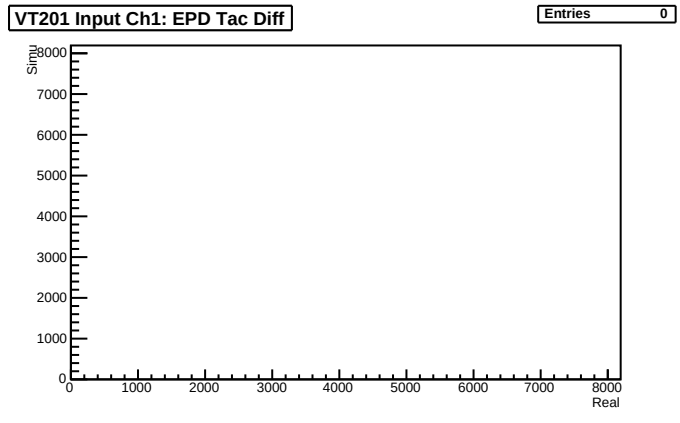

VT201 Input Ch0: BBC Small Tac Diff
Entries 45865
Tac

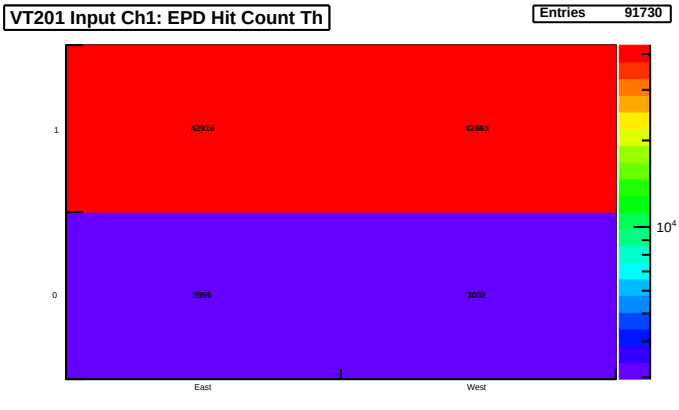

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

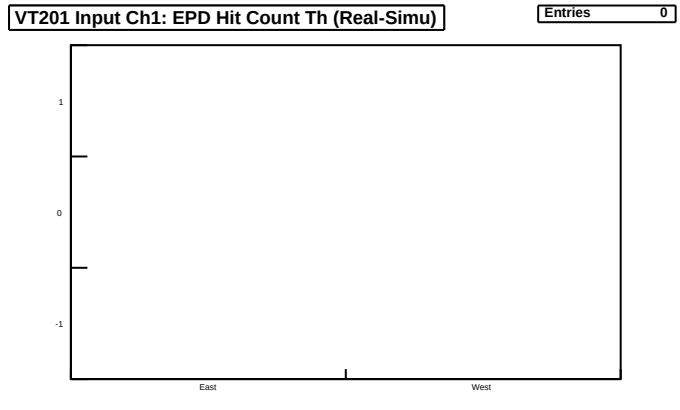

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 91730
34147
37289
11718
8576
East
West

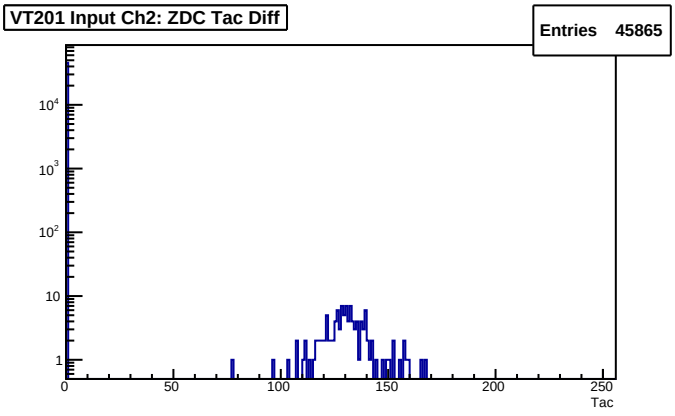

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

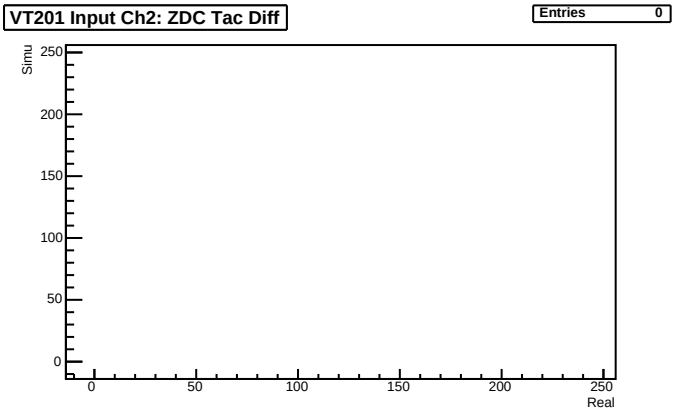

VT201 Input Ch1: EPD Tac Diff
Entries 45865
Tac

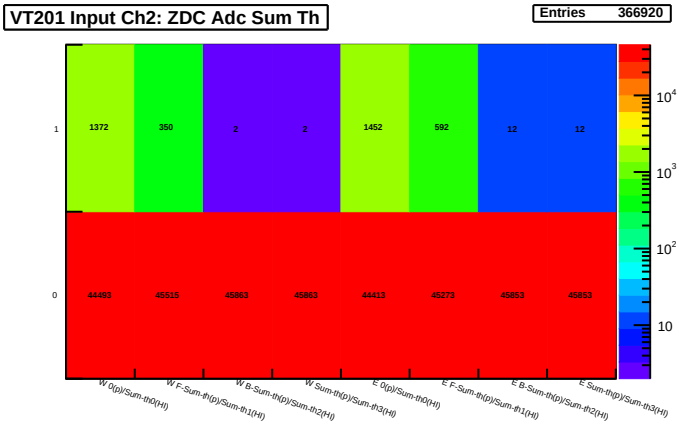

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

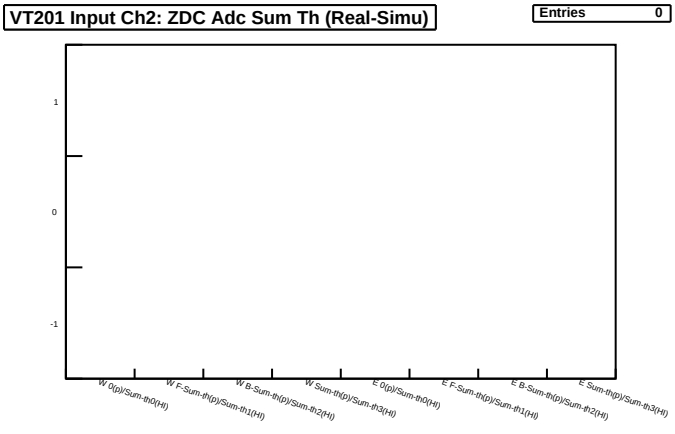

VT201 Input Ch1: EPD Hit Count Th
Entries 91730
42910
42863
2955
3002
East
West

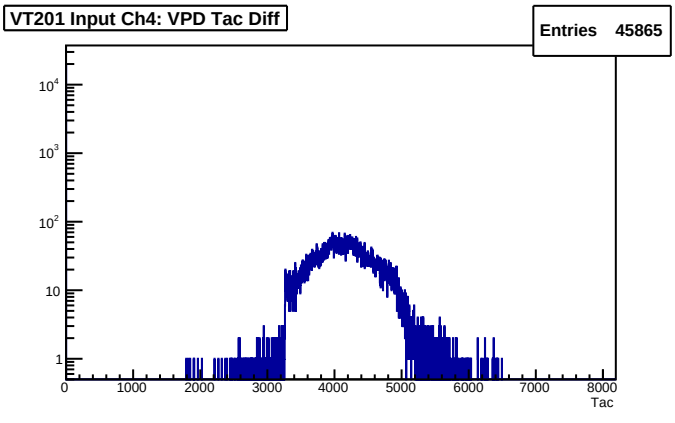

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

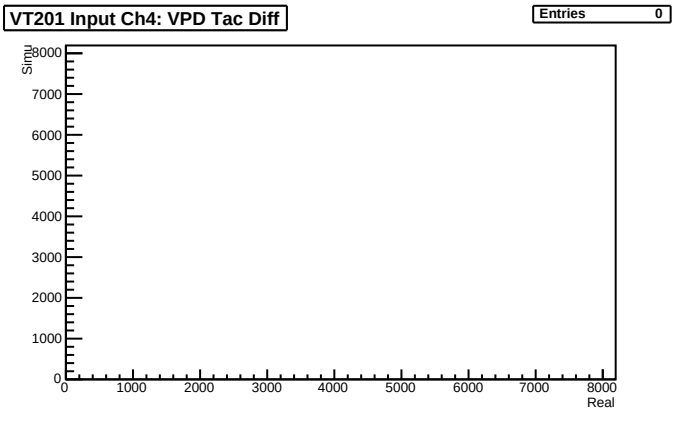

VT201 Input Ch2: ZDC Tac Diff
Entries 45865
Tac

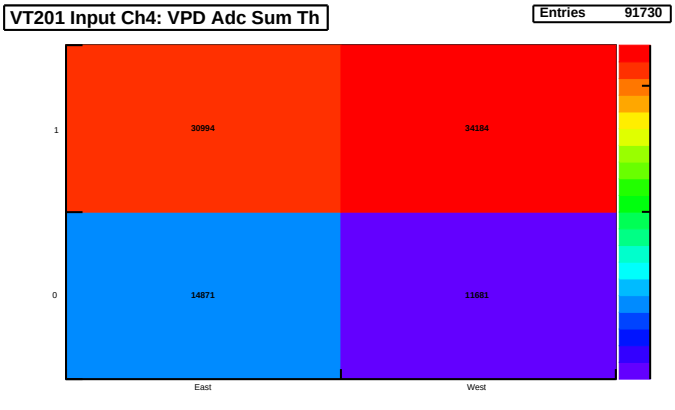

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

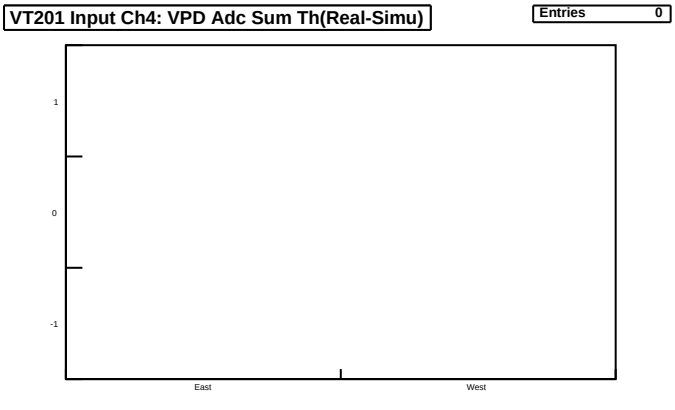

VT201 Input Ch2: ZDC Adc Sum Th
Entries 366920
1372
350
2
2
1452
592
12
12
44493
45515
45863
45863
44413
45273
45853
45853
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

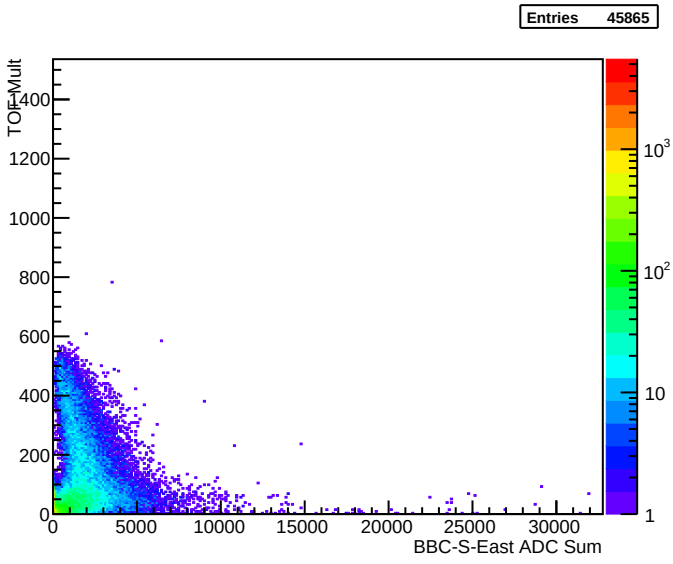

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

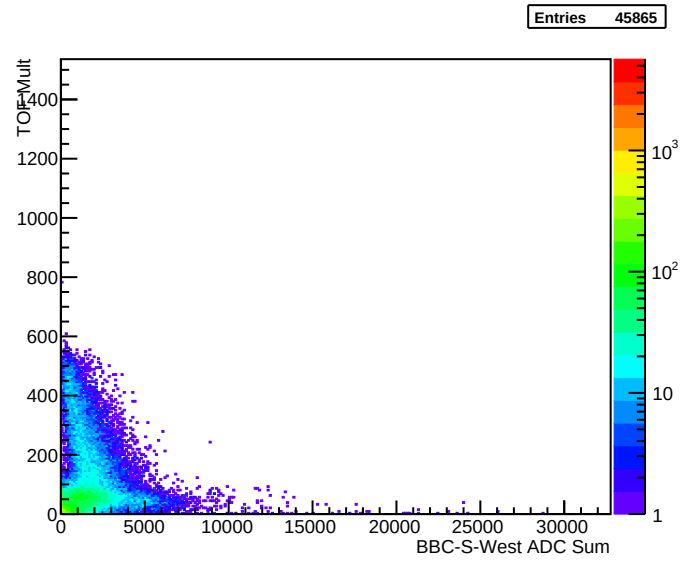

VT201 Input Ch4: VPD Tac Diff
Entries 45865
Tac

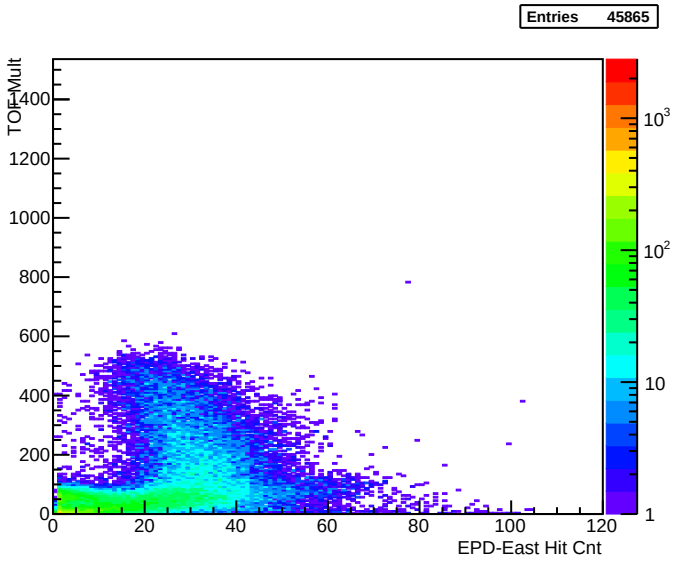

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

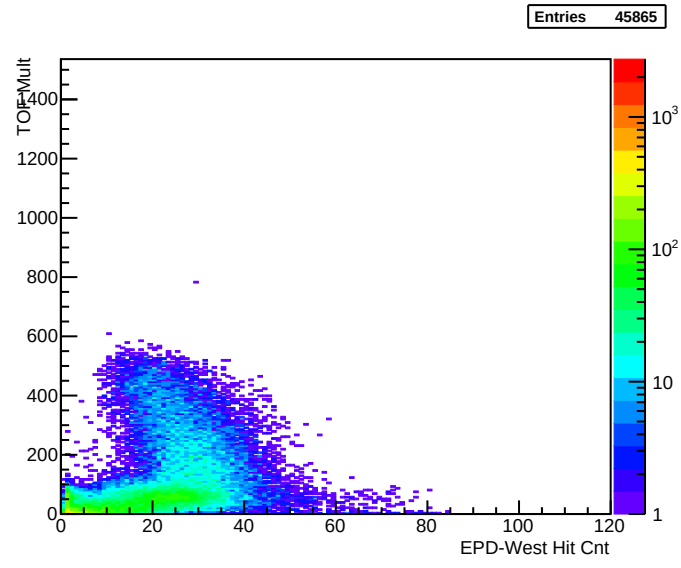

VT201 Input Ch4: VPD Adc Sum Th
Entries 91730
30994
34184
14871
11681
East
West

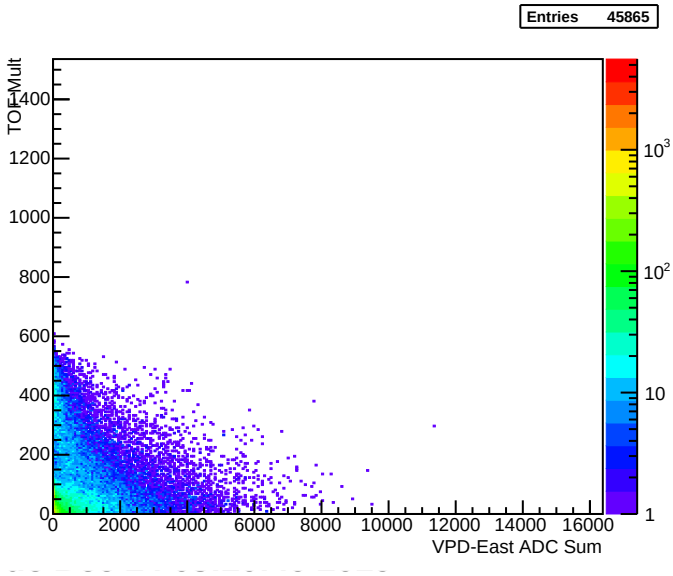

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

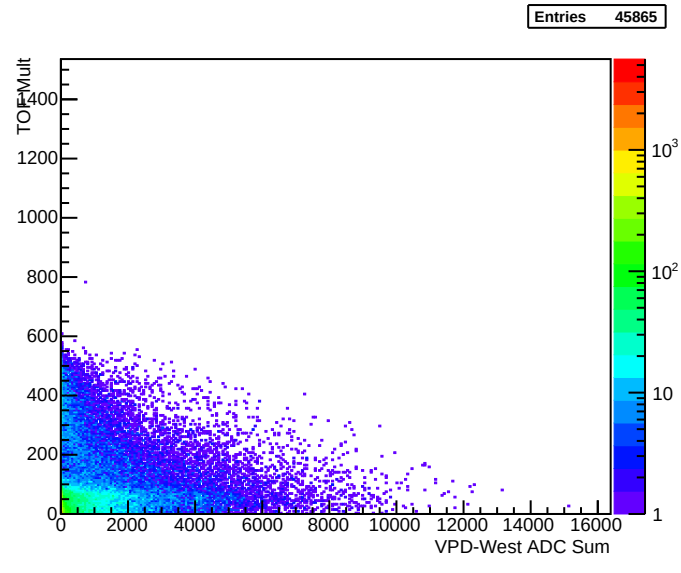

Entries 45865
TOF-Mult
BBC-S-East ADC Sum

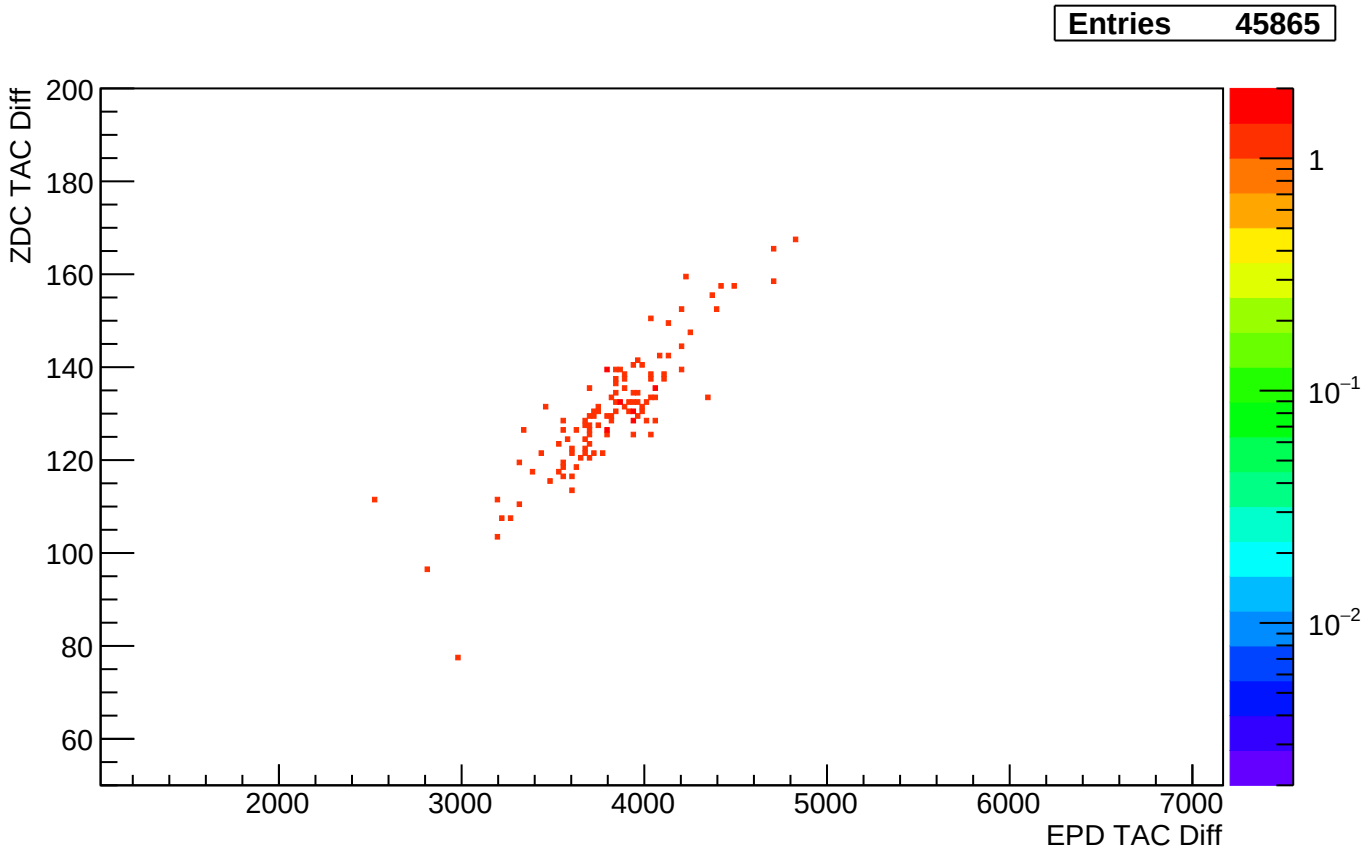

Entries 45865
TOF-Mult
BBC-S-West ADC Sum

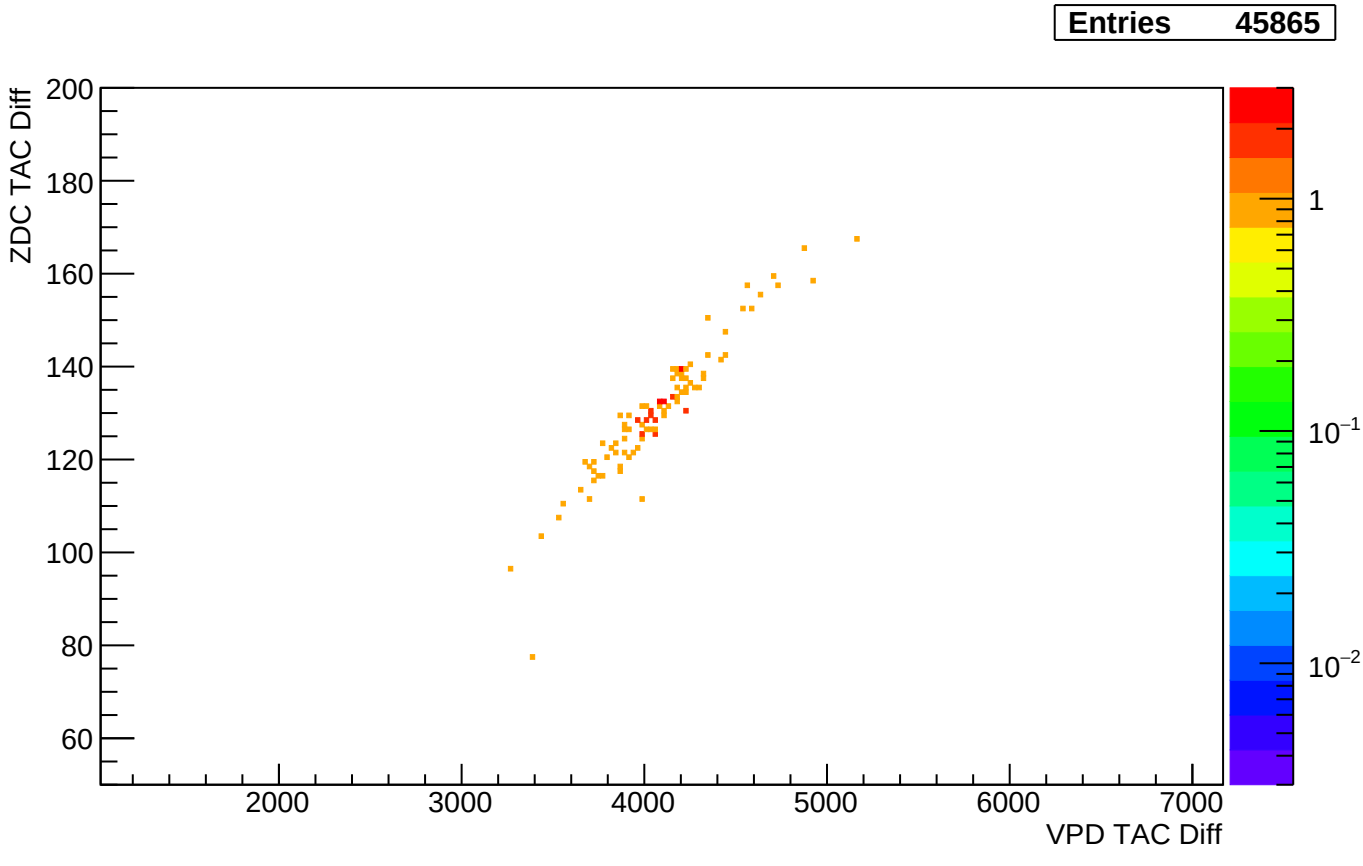

Entries 45865
TOF-Mult
EPD-East Hit Cnt

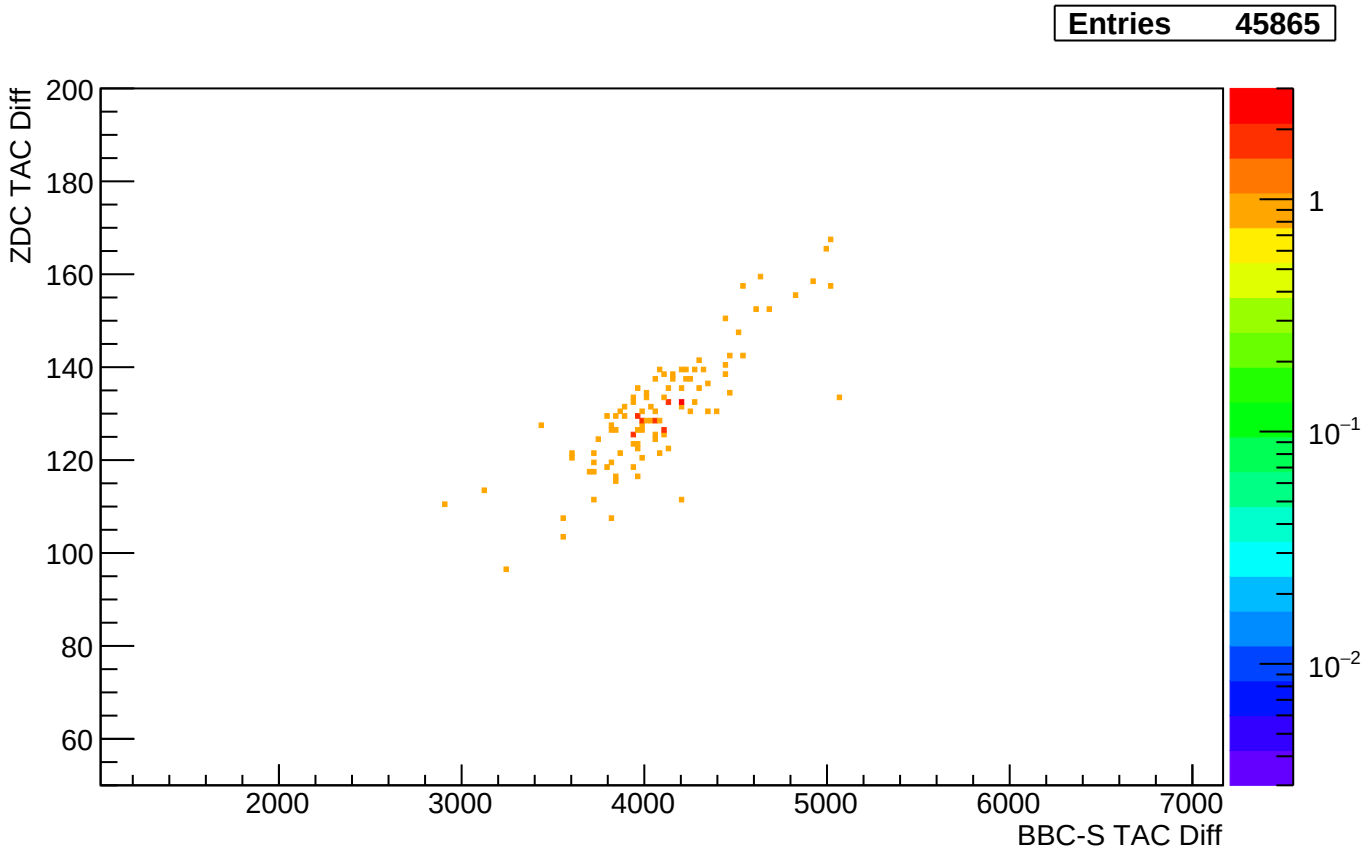

Entries 45865
TOF-Mult
EPD-West Hit Cnt

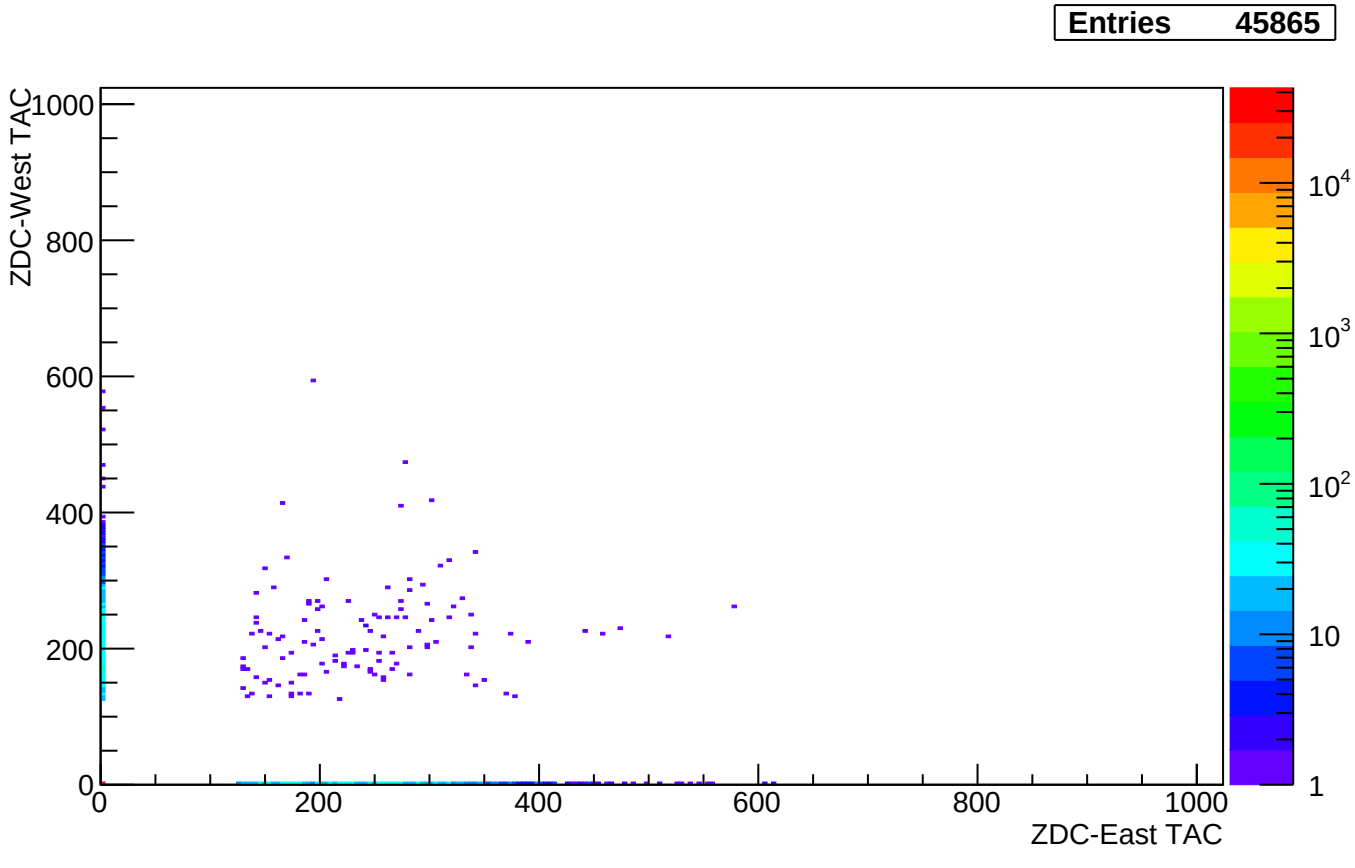

Entries 45865
TOF-Mult
VPD-East ADC Sum

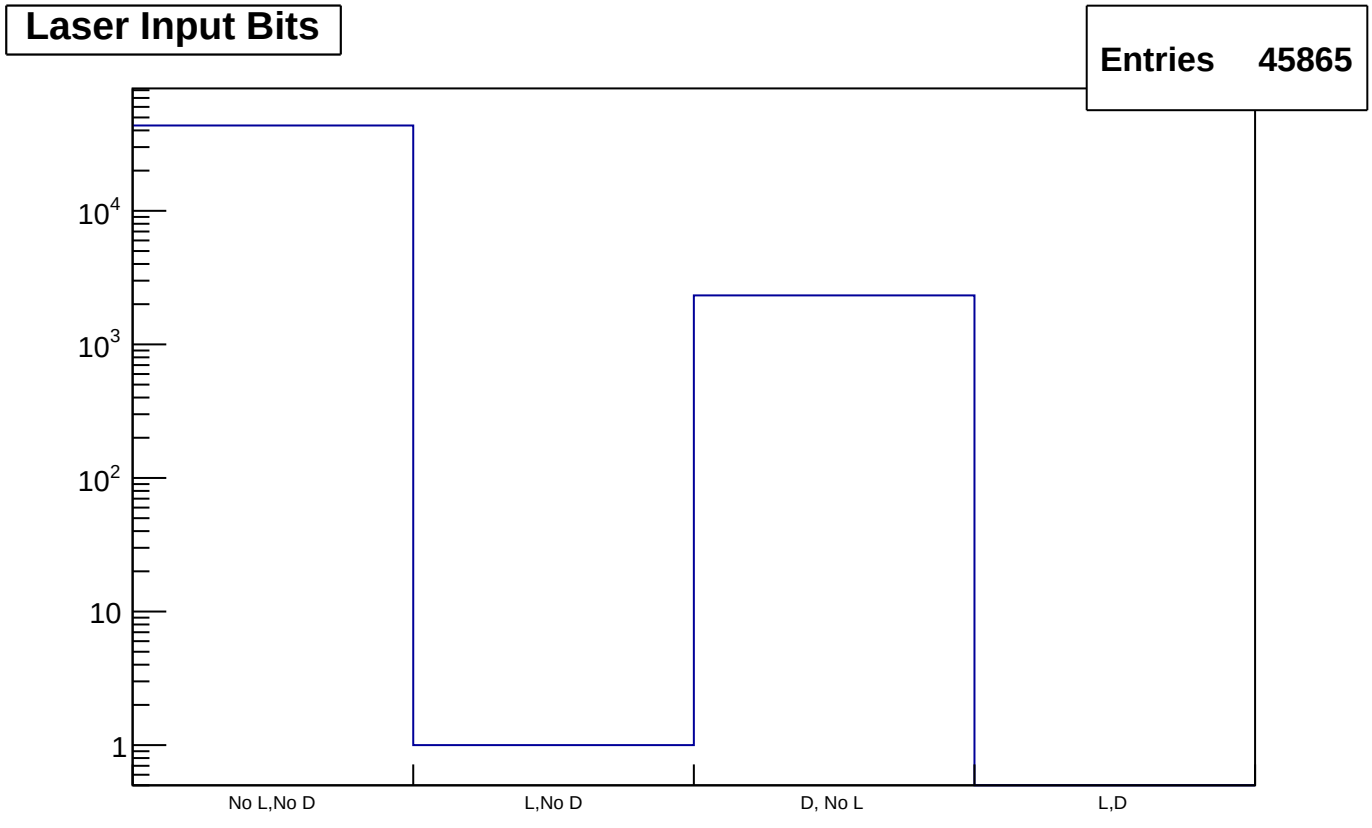

Entries 45865
TOF-Mult
VPD-West ADC Sum

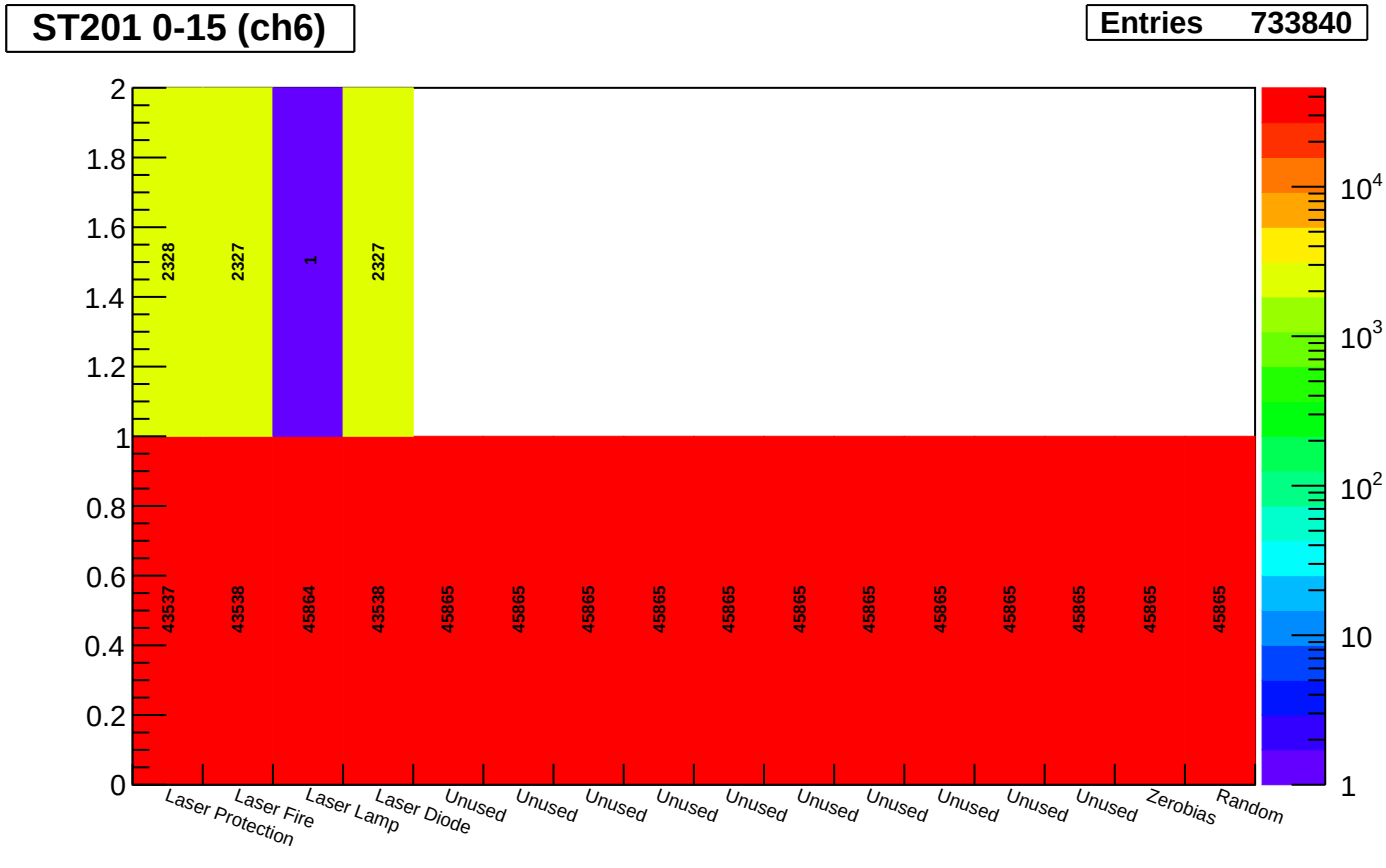

Entries 45865
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

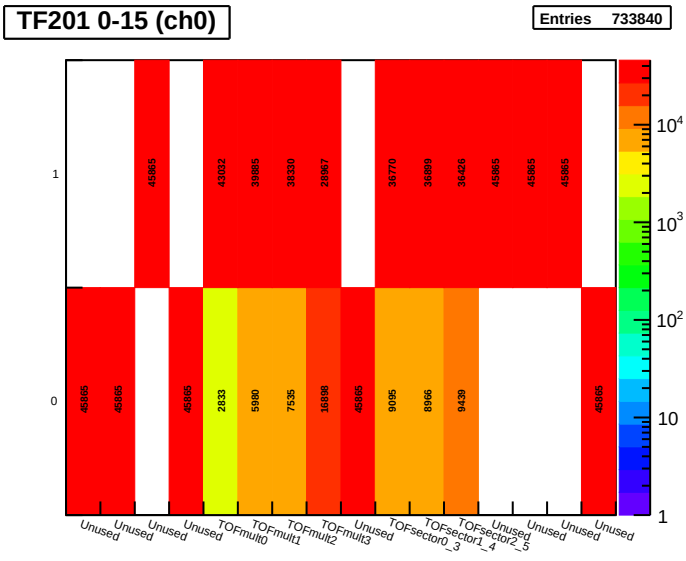

Entries 45865
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

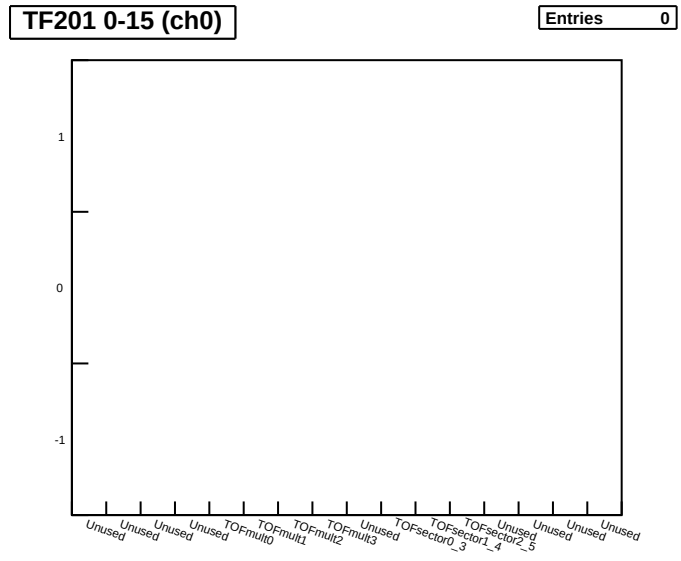

Entries 45865
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

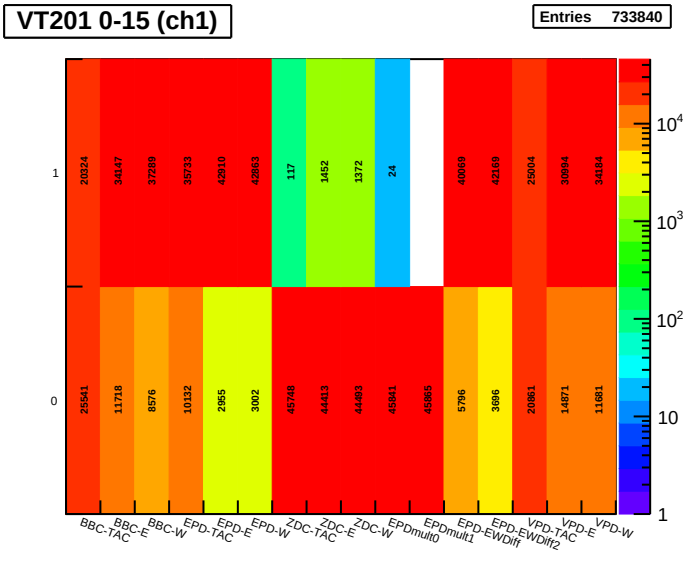

Entries 45865
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

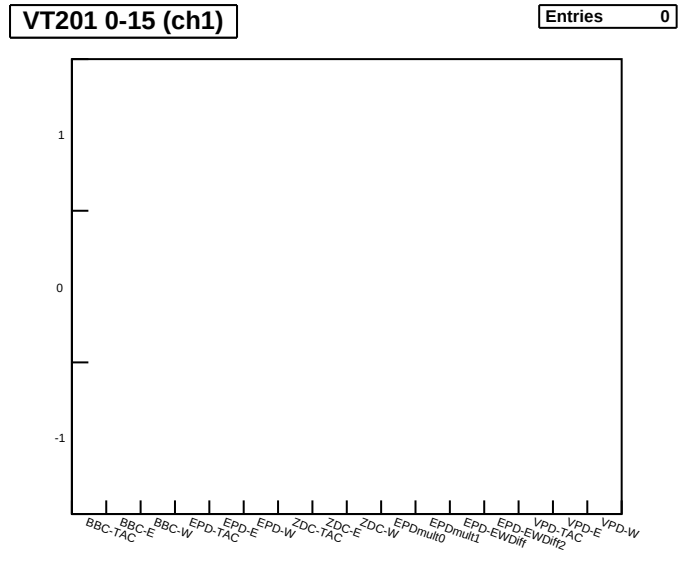

Laser Input Bits
Entries 45865
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

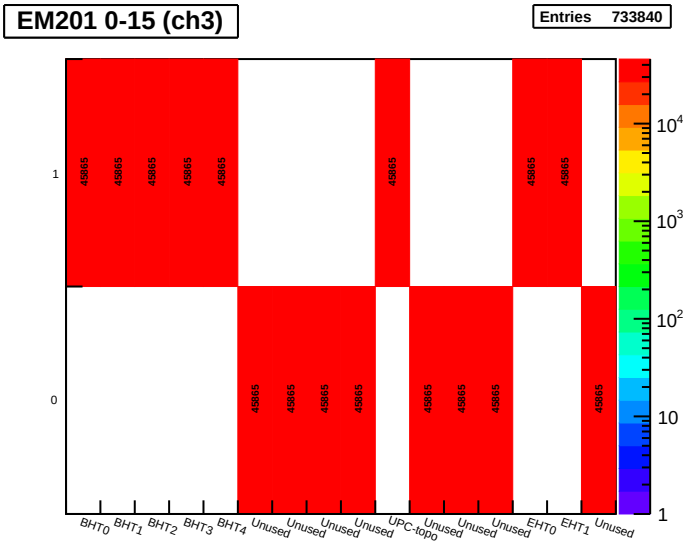

ST201 0-15 (ch6)
Entries 733840
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2328
2327
1
2327
43537
43538
45864
43538
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

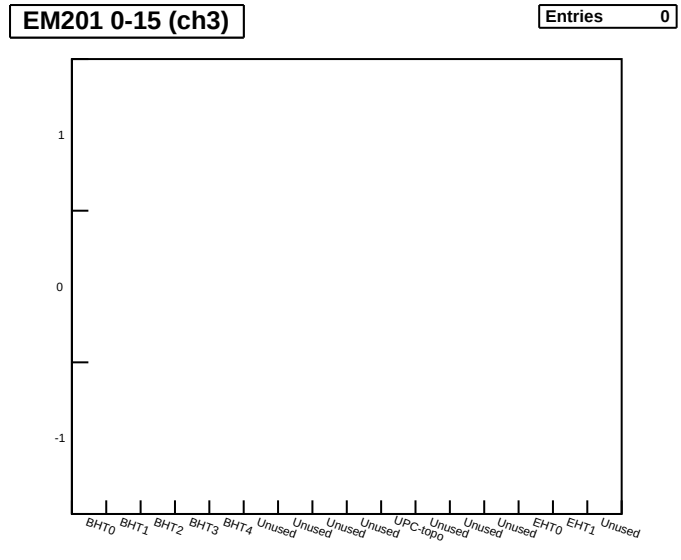

TF201 0-15 (ch0)
Entries 733840
1
0
45865
43032
39885
38330
28967
36770
36899
36426
45865
45865
45865
45865
45865
2833
5980
7535
16898
45865
9095
8966
9439
45865
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused


VT201 0-15 (ch1)
Entries 733840
1
0
20324
34147
37289
35733
42910
42863
117
1452
1372
24
40069
42169
25004
30994
34184
25541
11718
8576
10132
2965
3002
45748
44413
44403
45841
45865
5796
3696
20661
14871
11631
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 733840
1
0
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
45865
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