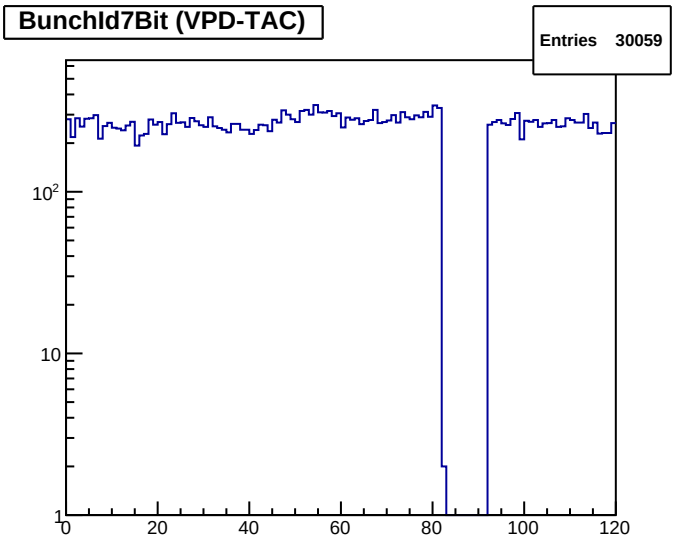
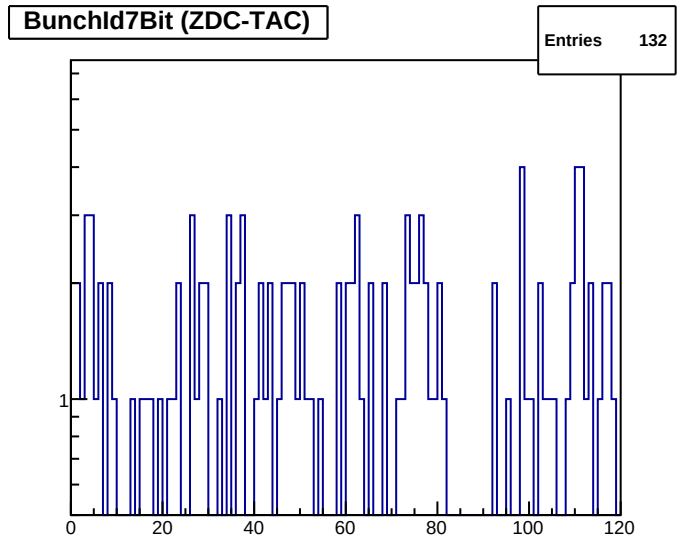
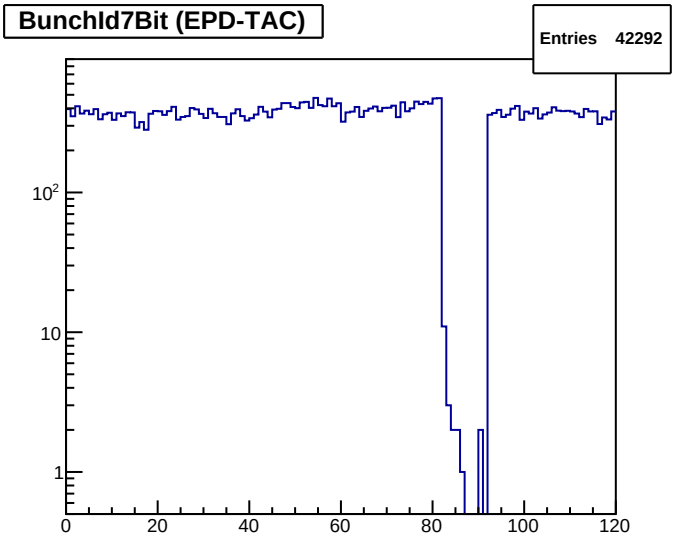
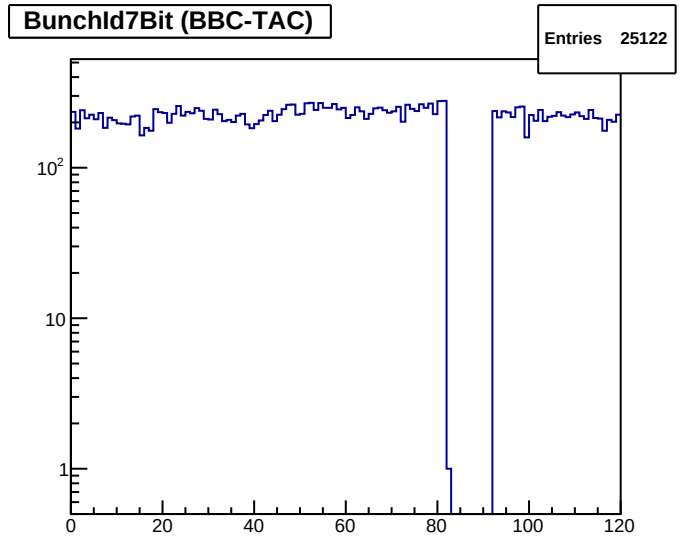
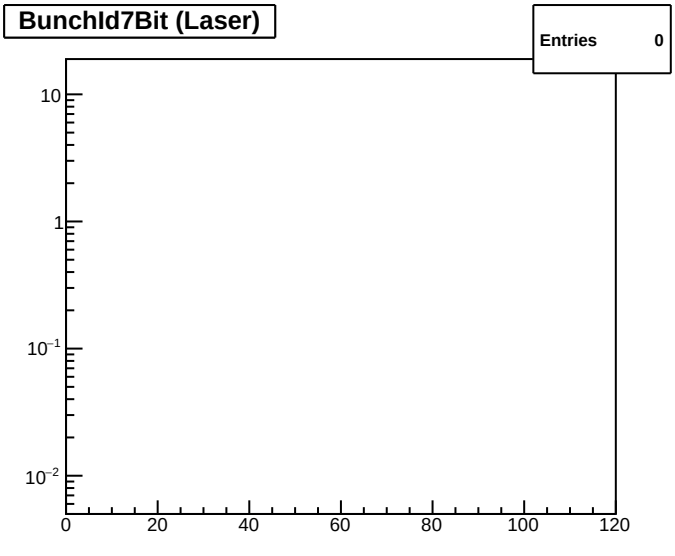
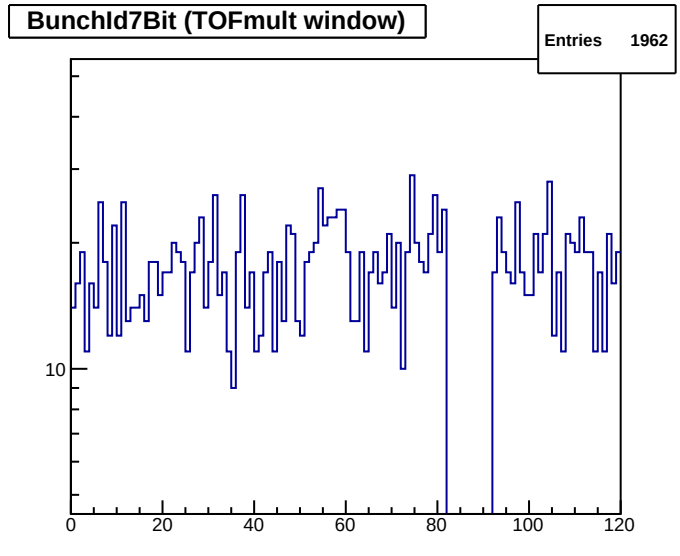

BunchId7Bit (VPD-TAC)
Entries 30059
10^2
10
1
0
20
40
60
80
100
120

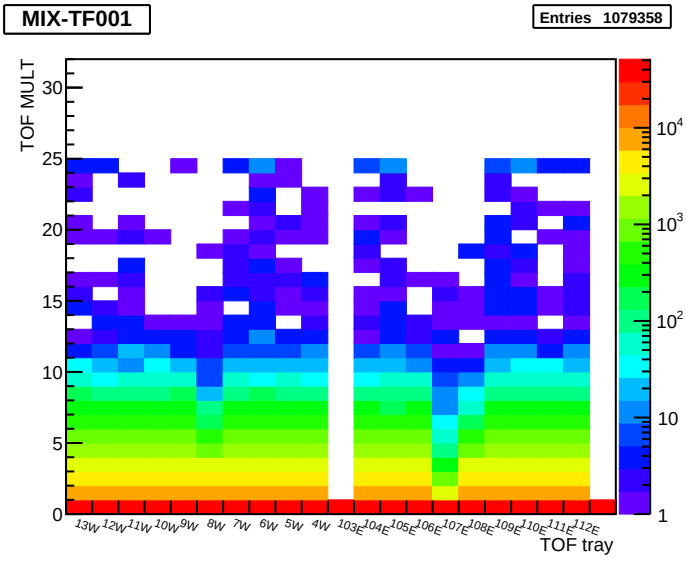

BunchId7Bit (ZDC-TAC)
Entries 132
1
0
20
40
60
80
100
120

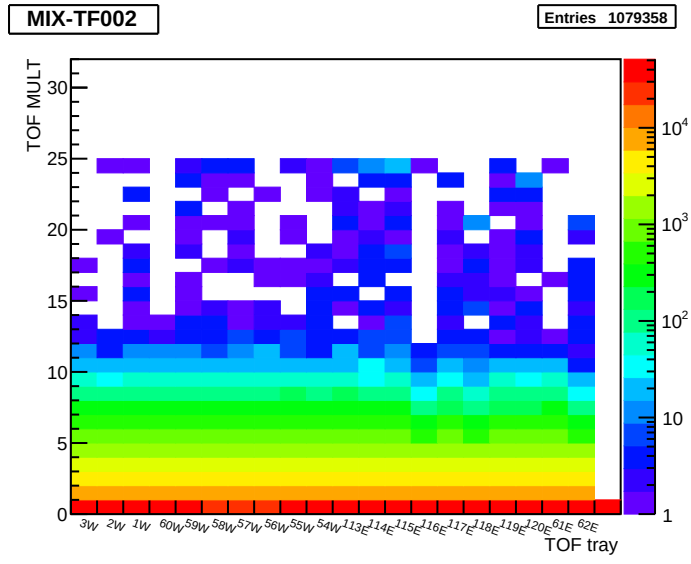

BunchId7Bit (EPD-TAC)
Entries 42292
10^2
10
1
0
20
40
60
80
100
120

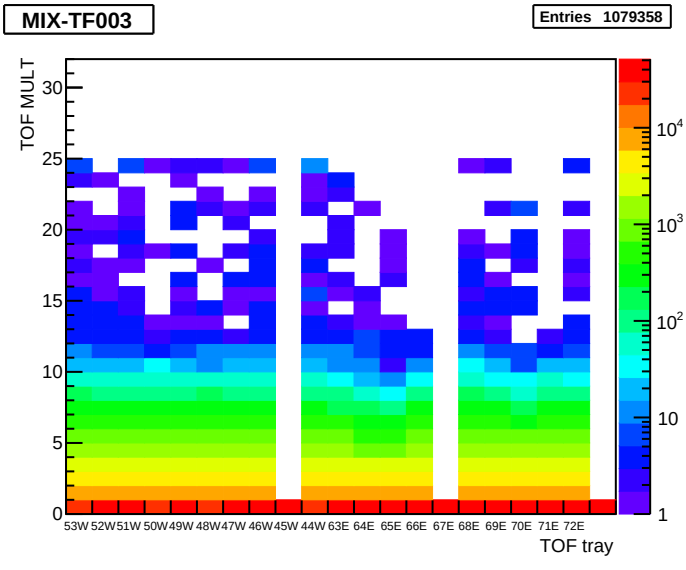

BunchId7Bit (BBC-TAC)
Entries 25122
10^2
10
1
0
20
40
60
80
100
120

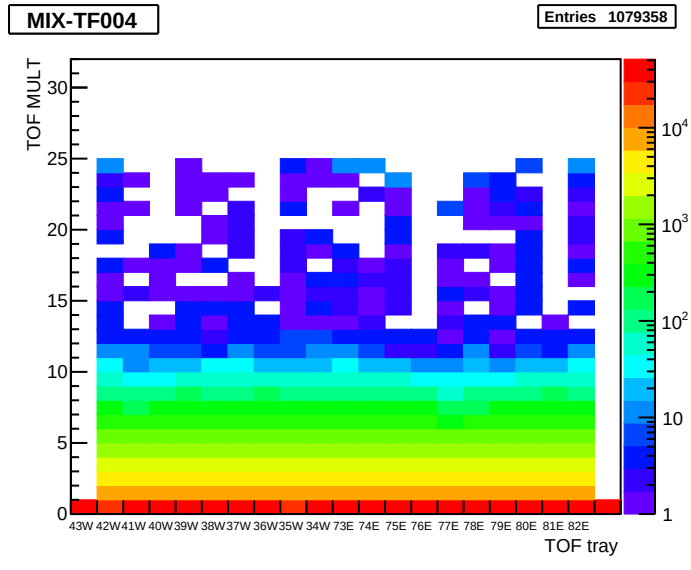

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

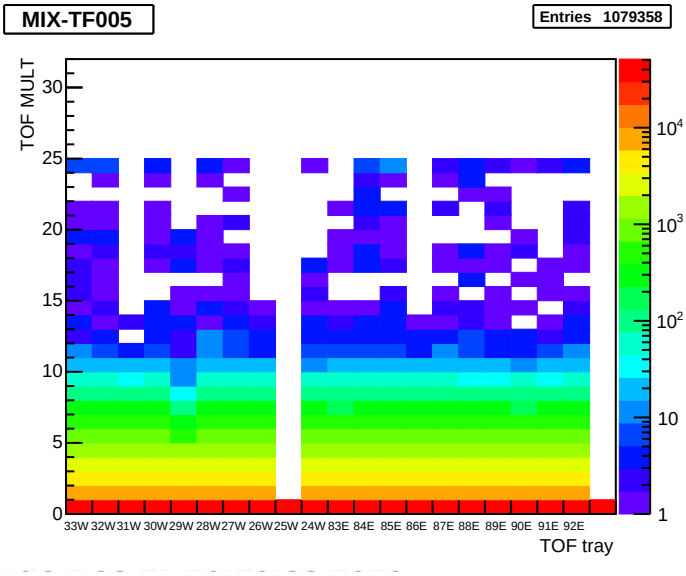

BunchId7Bit (TOFmult window)
Entries 1962
10
0
20
40
60
80
100
120

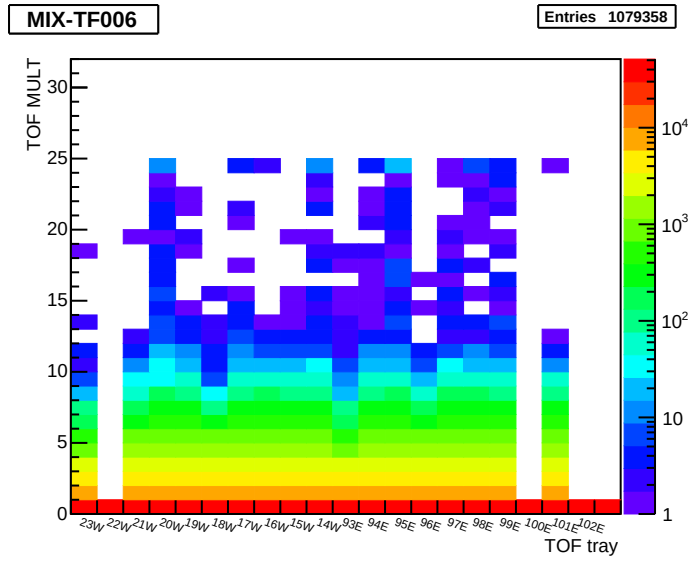

MIX-TF001
Entries 1079358
TOF MULT
TOF tray

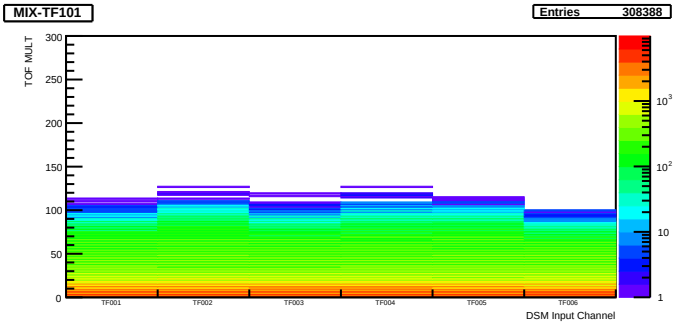

MIX-TF002
Entries 1079358
TOF MULT
TOF tray

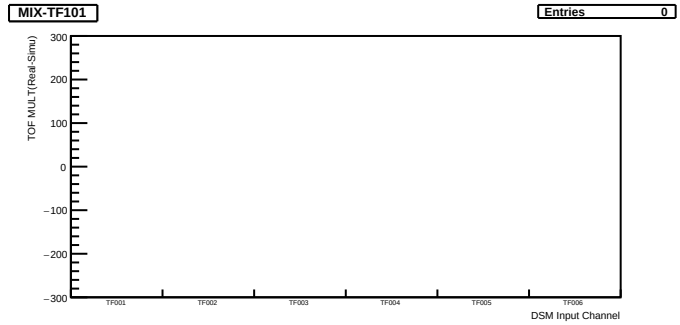

MIX-TF003
Entries 1079358
TOF MULT
TOF tray

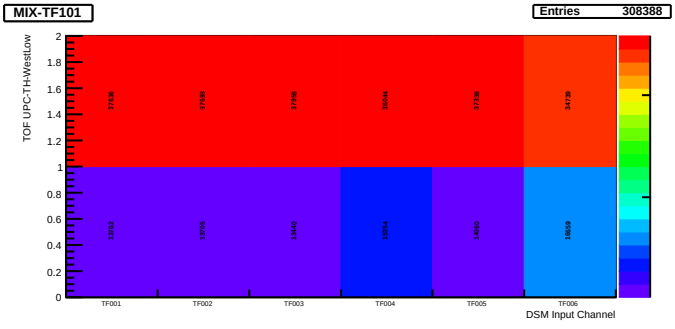

MIX-TF004
Entries 1079358
TOF MULT
TOF tray

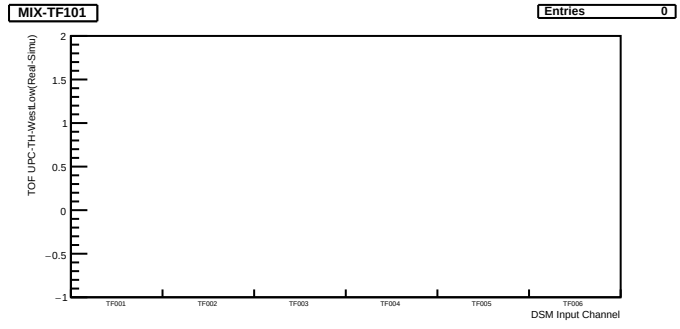

MIX-TF005
Entries 1079358
TOF MULT
TOF tray

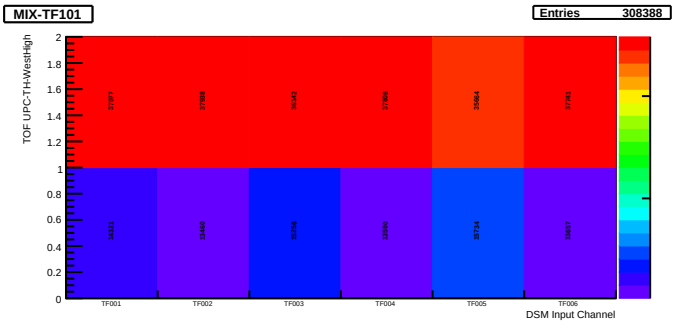

MIX-TF006
Entries 1079358
TOF MULT
TOF tray

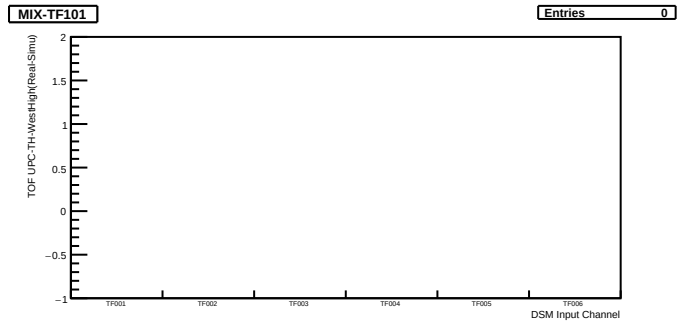

MIX-TF101
Entries 308388
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

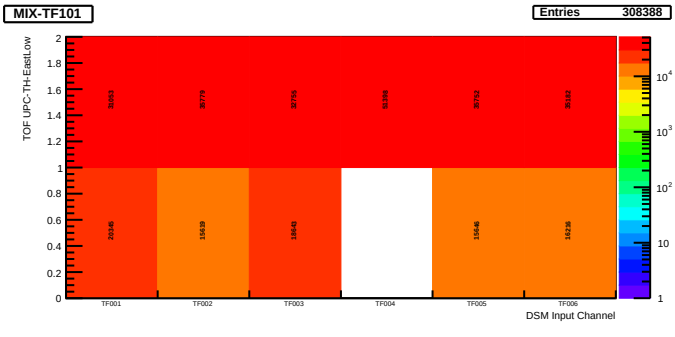

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

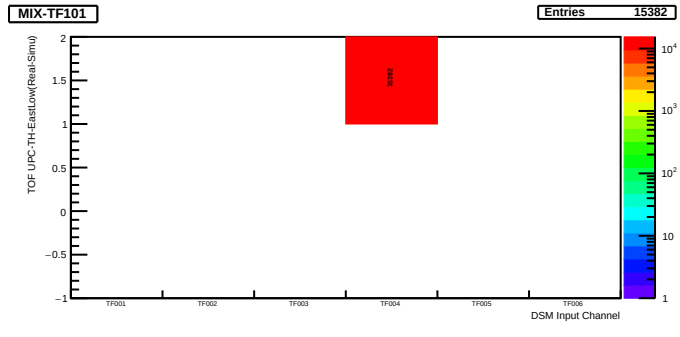

MIX-TF101
Entries 308388
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

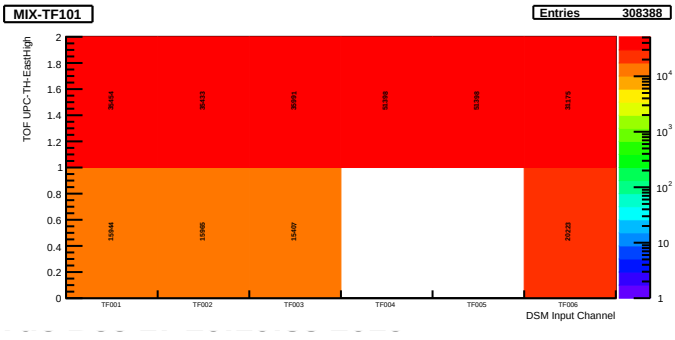

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

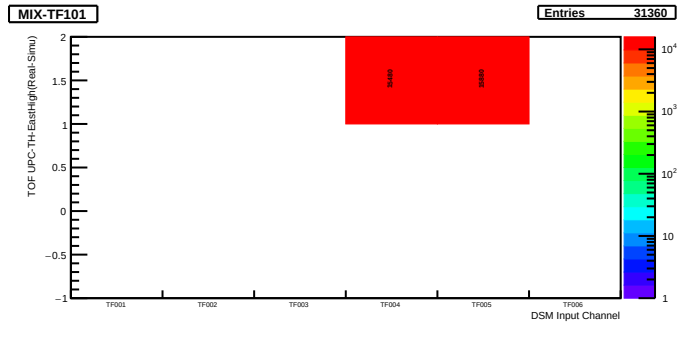

MIX-TF101
Entries 308388
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

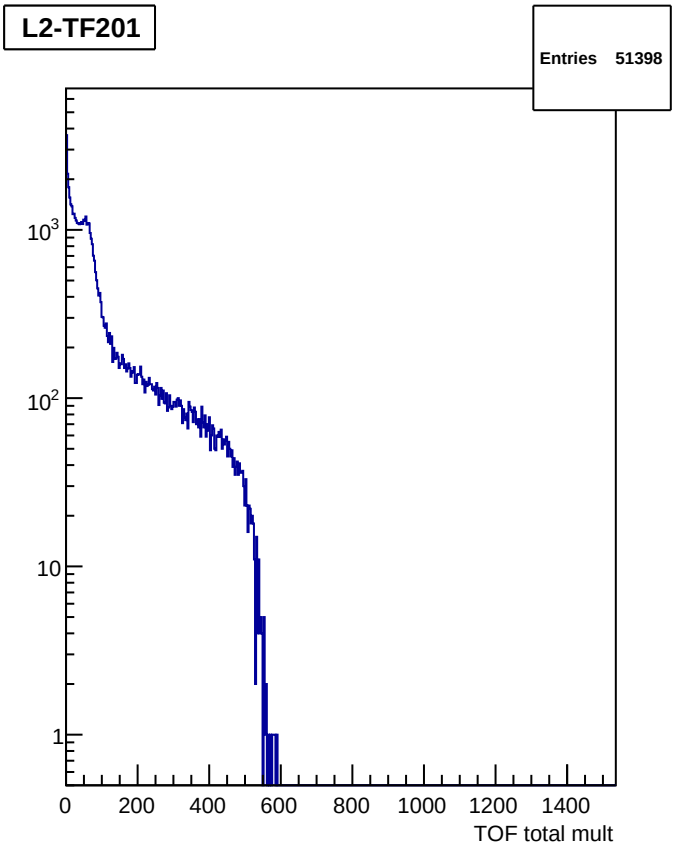

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

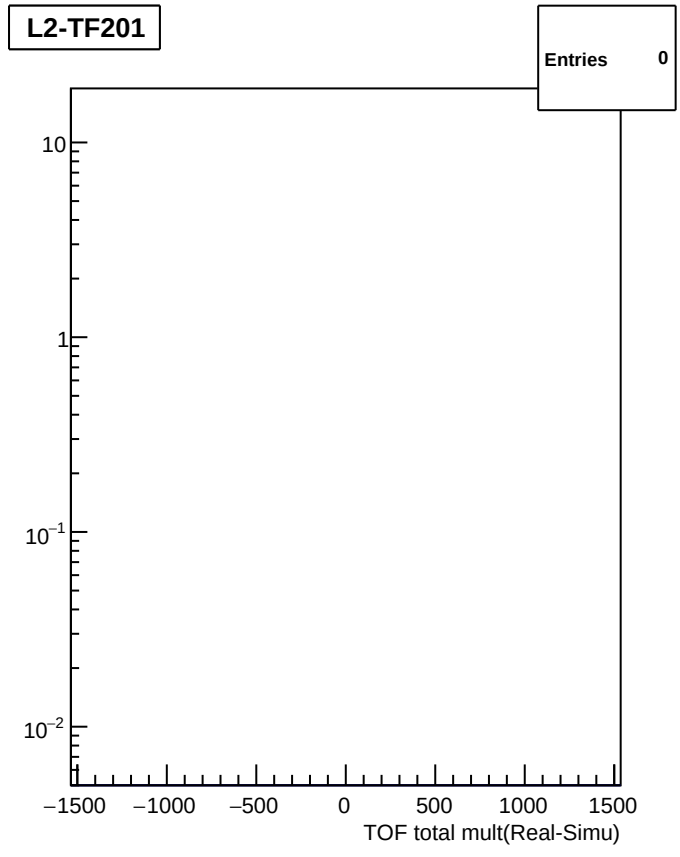

MIX-TF101
Entries 308388
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

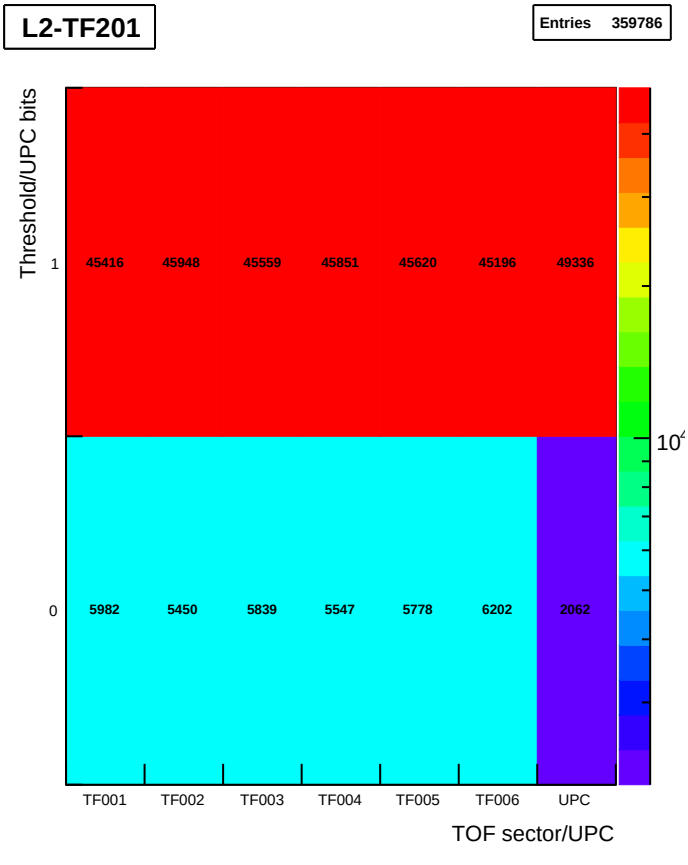

MIX-TF101
Entries 15382
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

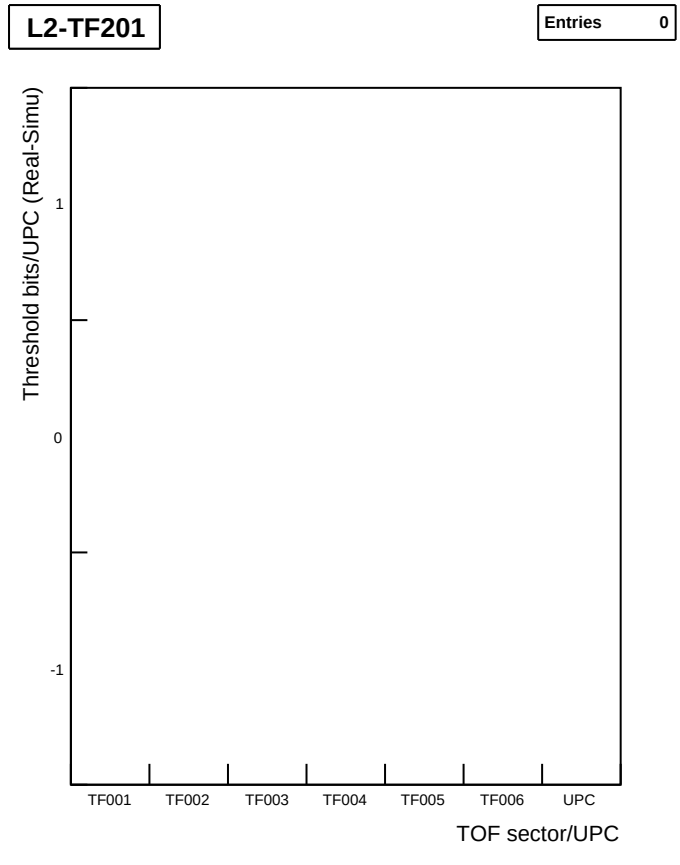

MIX-TF101
Entries 308388
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

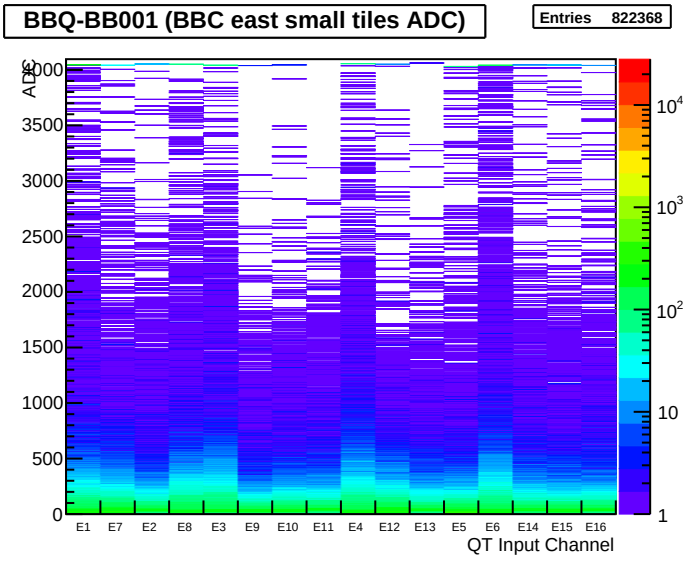

MIX-TF101
Entries 31360
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

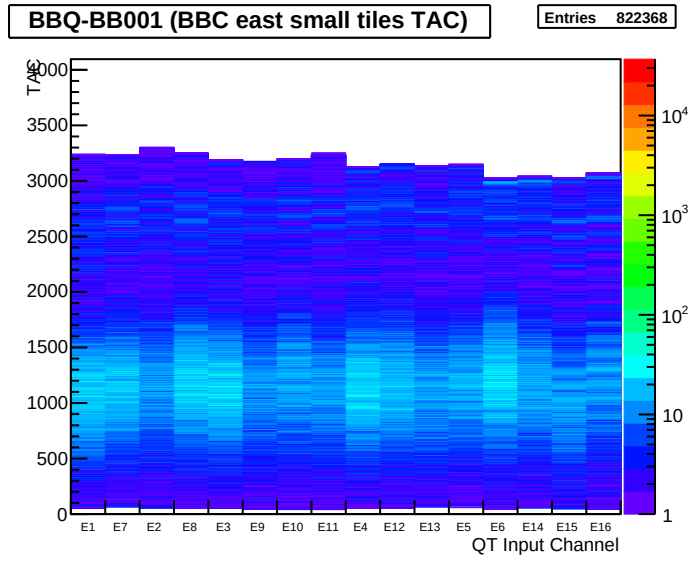

L2-TF201
Entries 51398
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

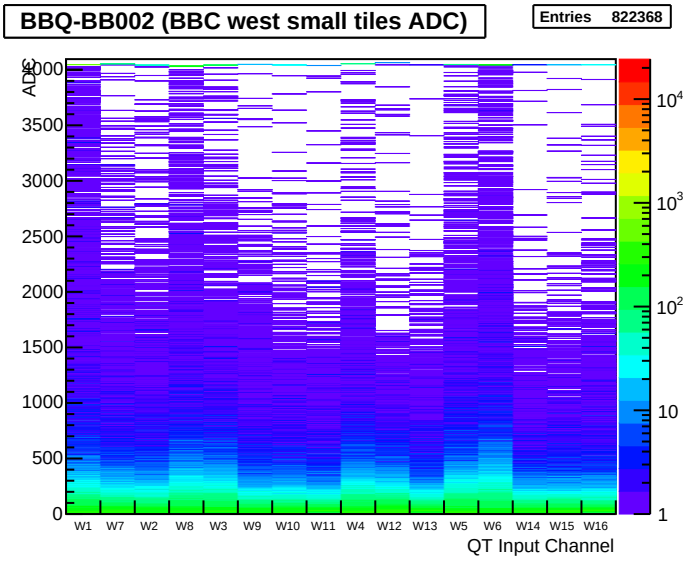

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

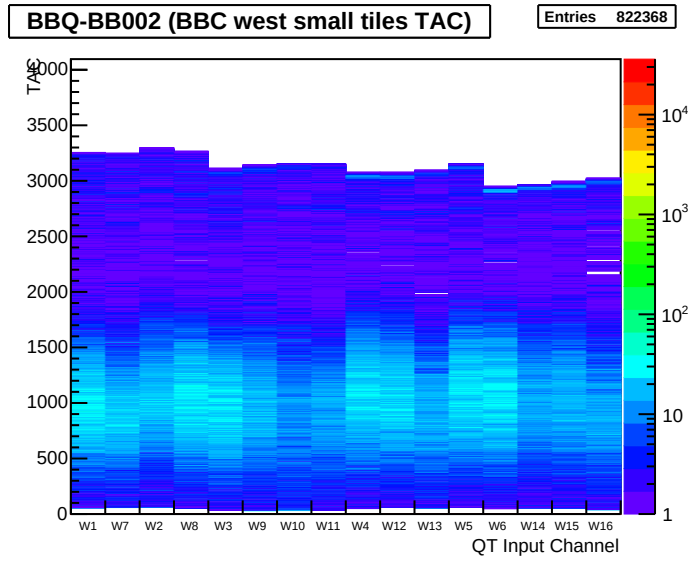

L2-TF201
Entries 359786
Threshold/UPC bits
1
0
45416
45948
45559
45851
45620
45196
49336
5982
5450
5839
5547
5778
6202
2062
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

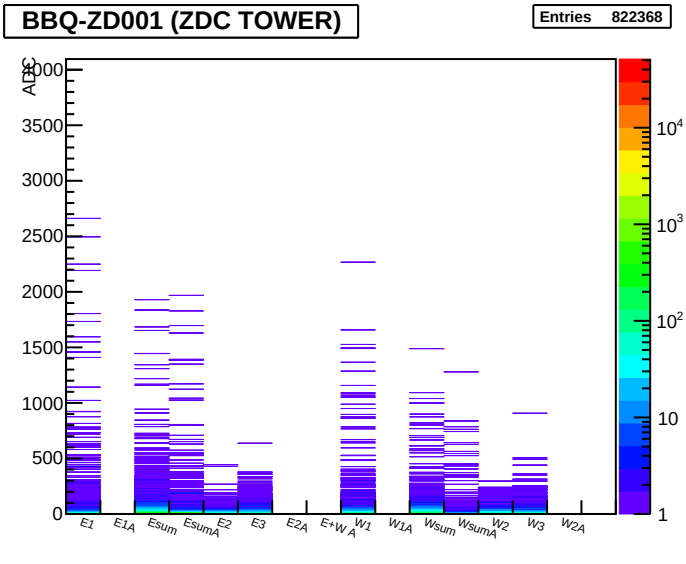

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

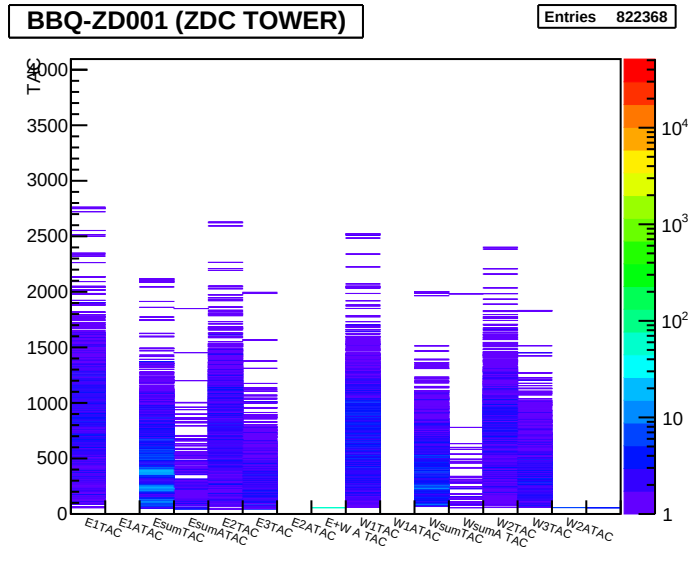

BBQ-BB001 (BBC east small tiles ADC)
Entries 822368
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

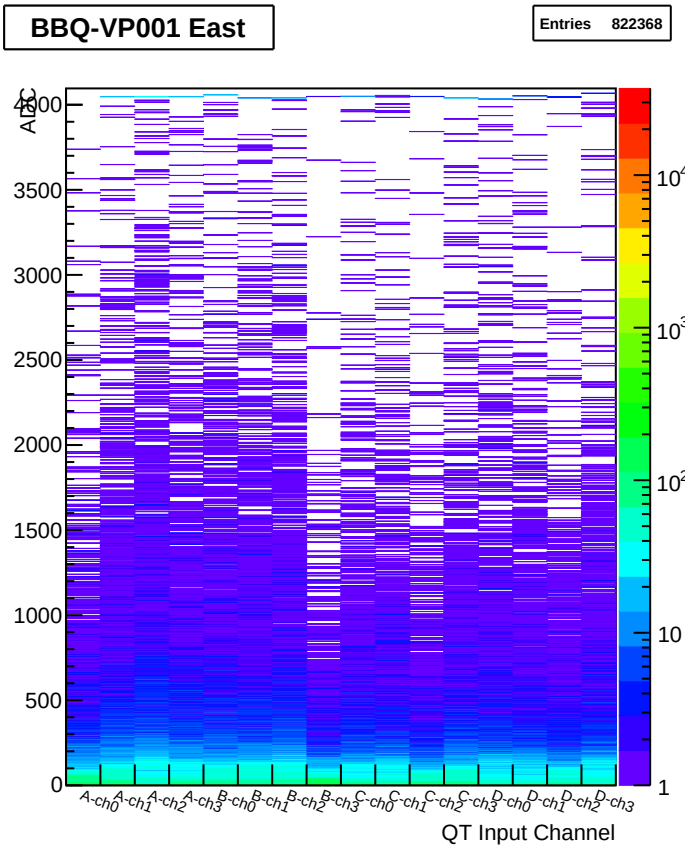

BBQ-BB001 (BBC east small tiles TAC)
Entries 822368
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

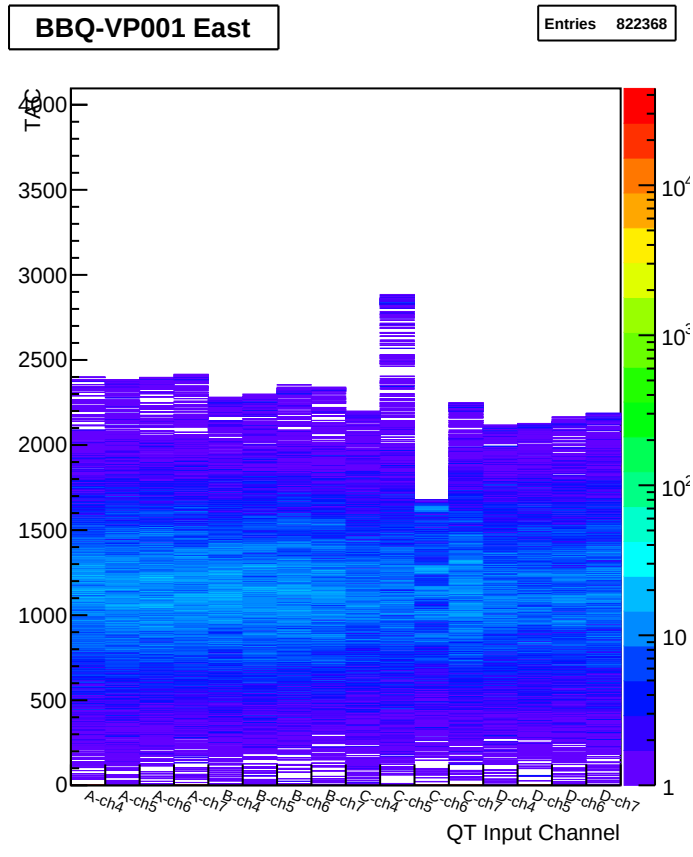

BBQ-BB002 (BBC west small tiles ADC)
Entries 822368
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

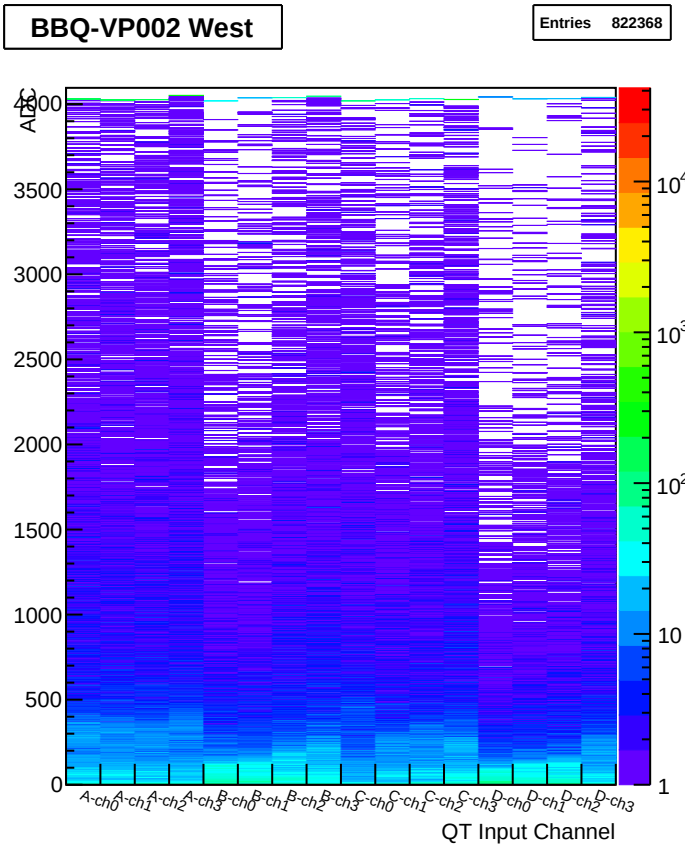

BBQ-BB002 (BBC west small tiles TAC)
Entries 822368
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

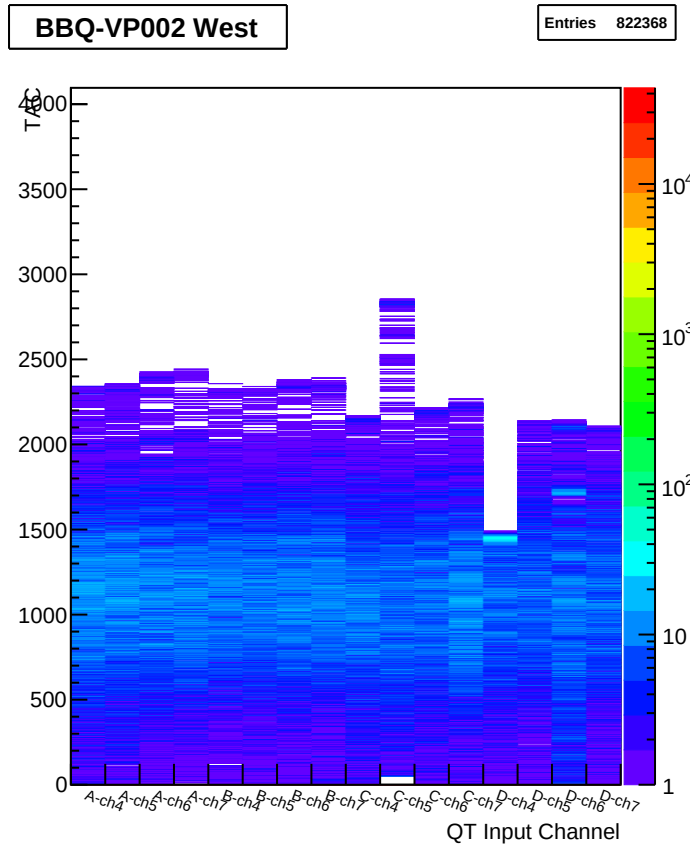

BBQ-ZD001 (ZDC TOWER)
Entries 822368
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

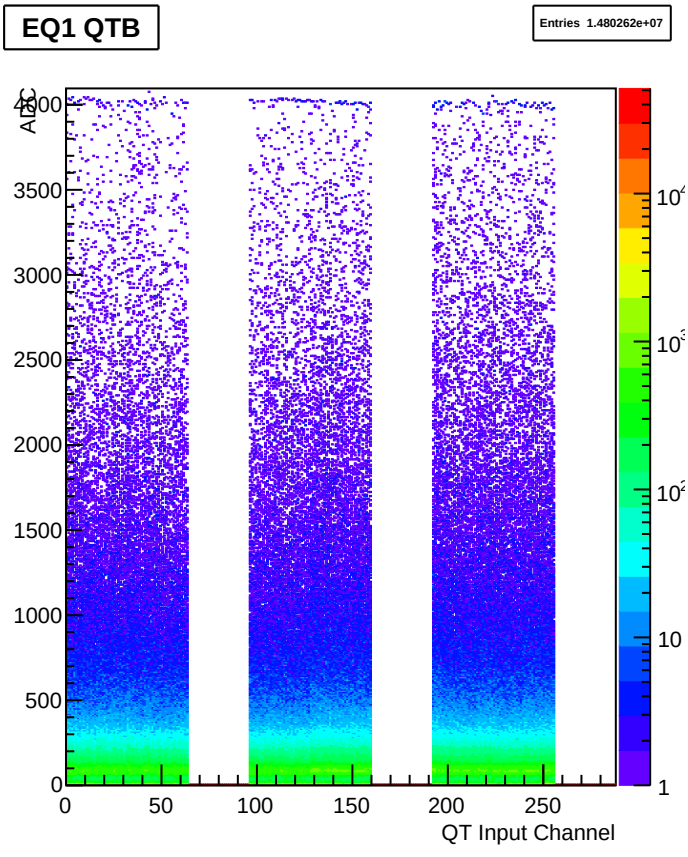

BBQ-ZD001 (ZDC TOWER)
Entries 822368
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

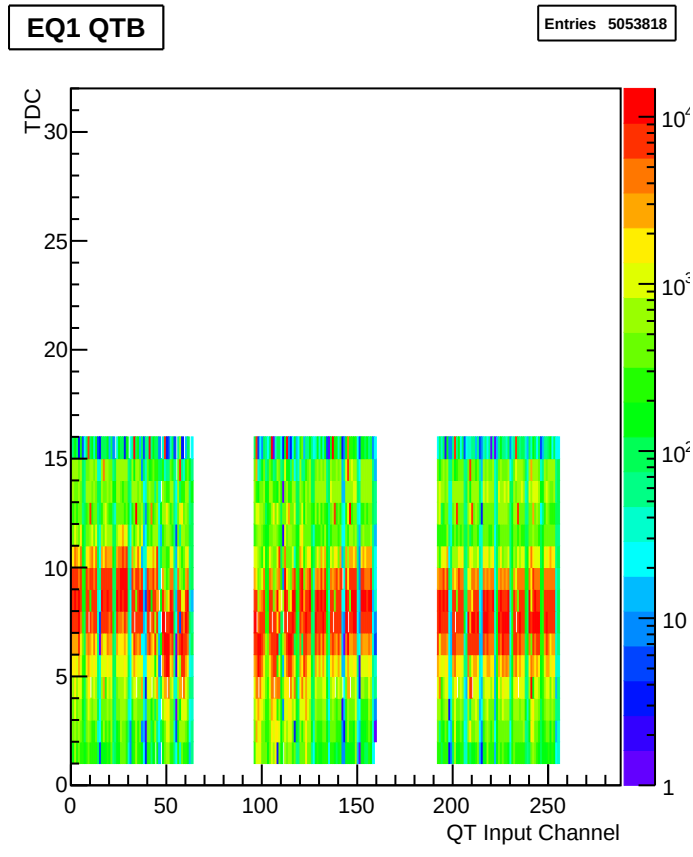

BBQ-VP001 East
Entries 822368
ADC
QT Input Channel

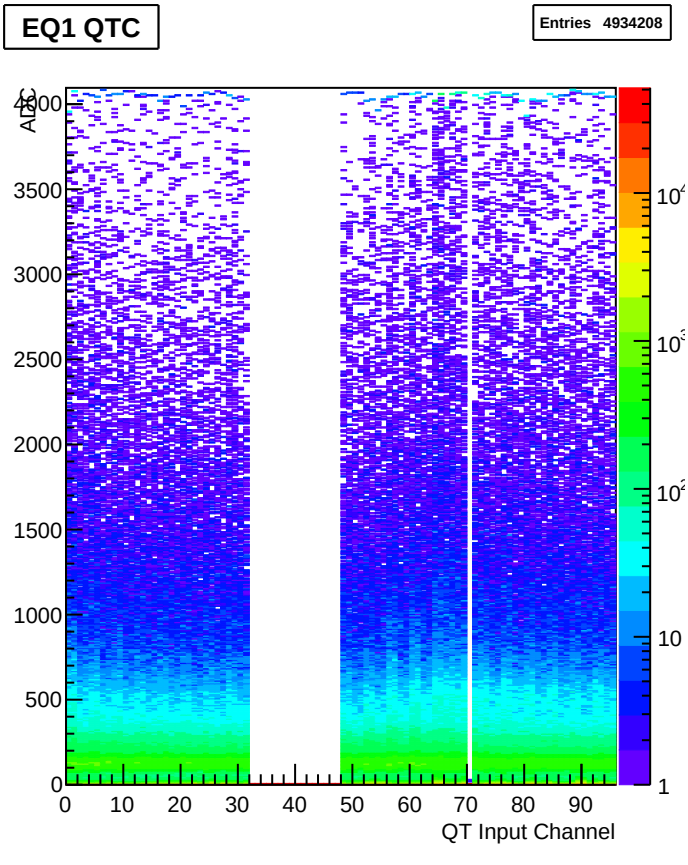

BBQ-VP001 East
Entries 822368
TAC
QT Input Channel

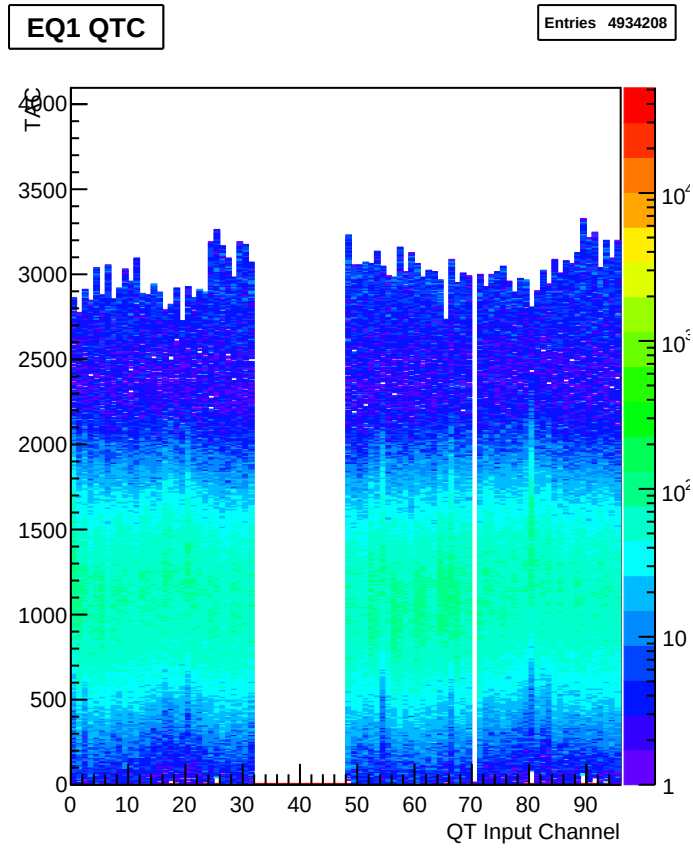

BBQ-VP002 West
Entries 822368
ADC
QT Input Channel

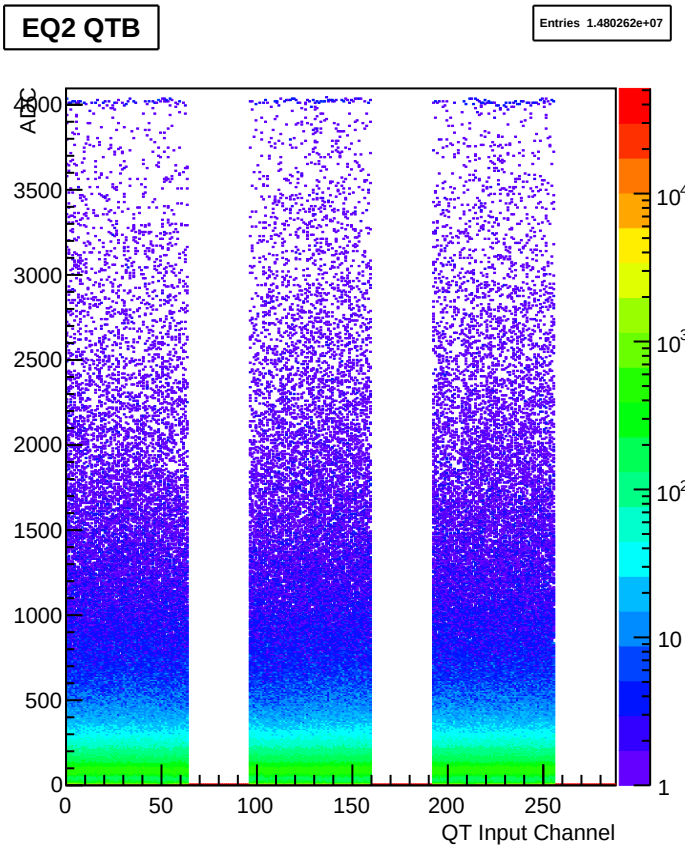

BBQ-VP002 West
Entries 822368
TAC
QT Input Channel

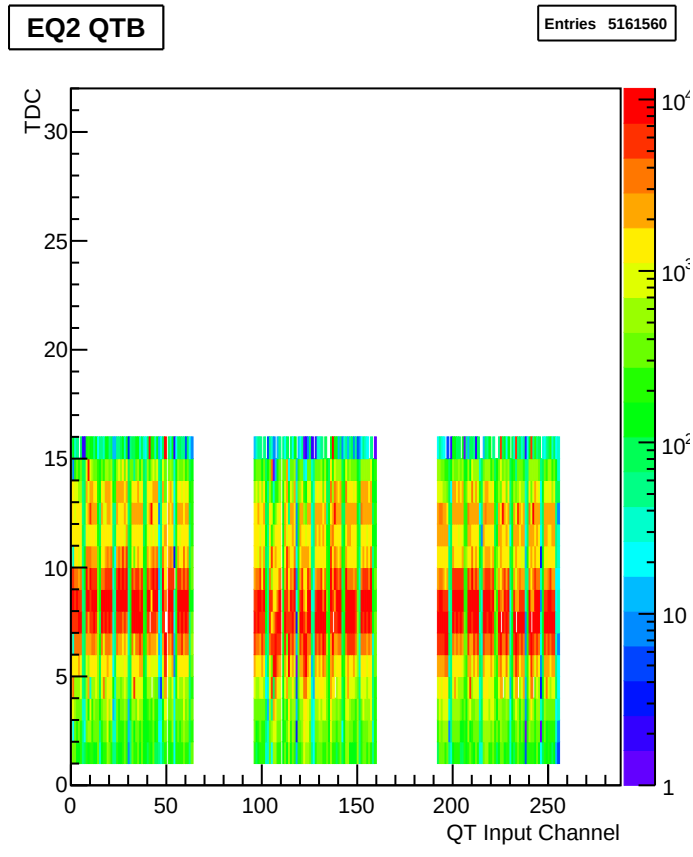

EQ1 QTB
Entries 1.480262e+07
ADC
QT Input Channel

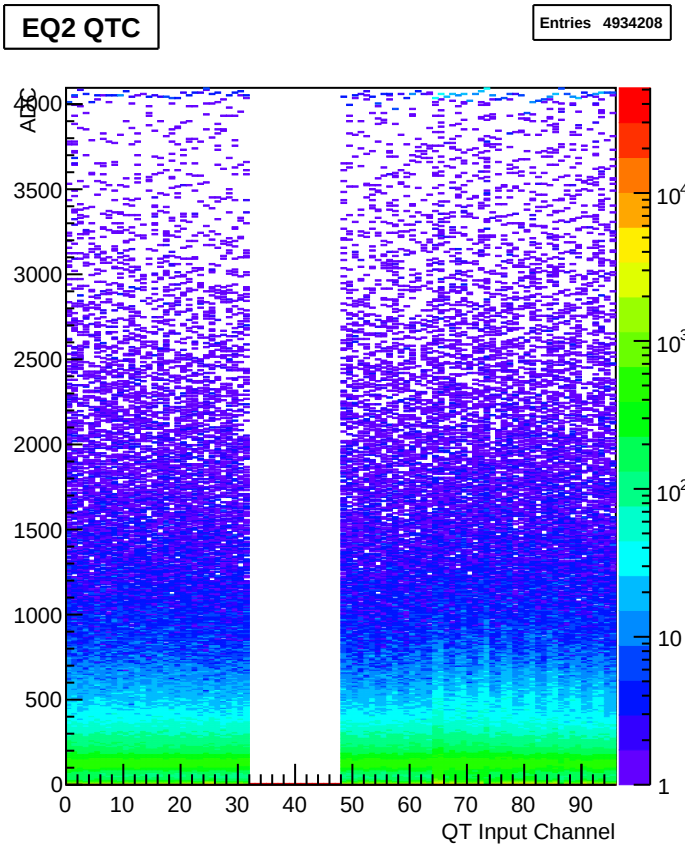

EQ1 QTB
Entries 5053818
TDC
QT Input Channel

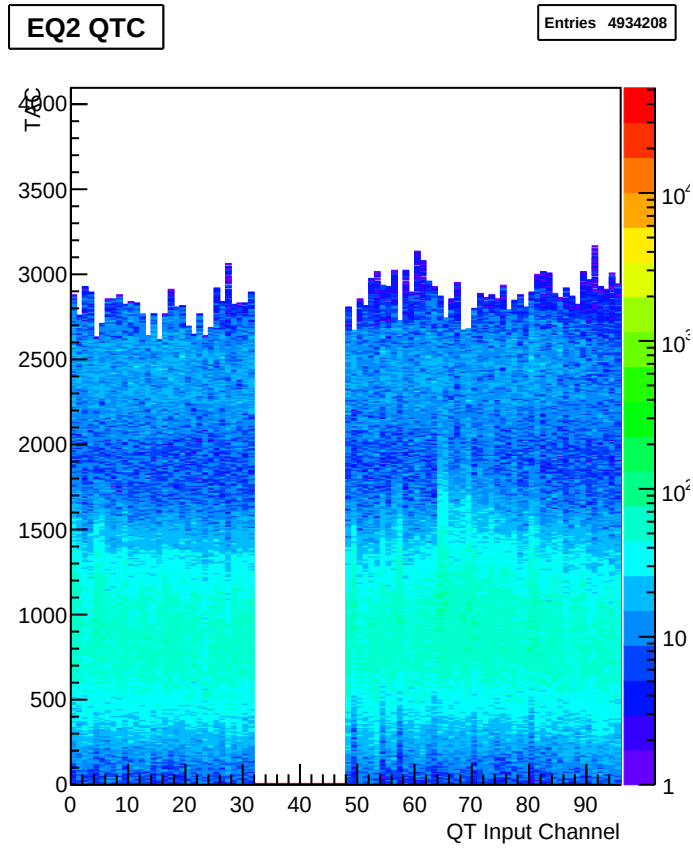

EQ1 QTC
Entries 4934208
ADC
QT Input Channel

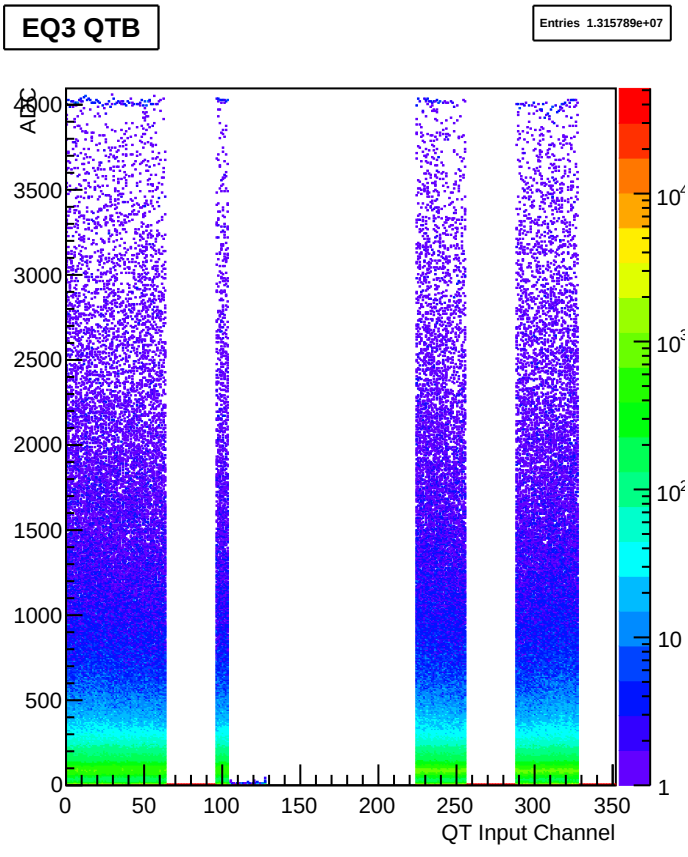

EQ1 QTC
Entries 4934208
TADC
QT Input Channel

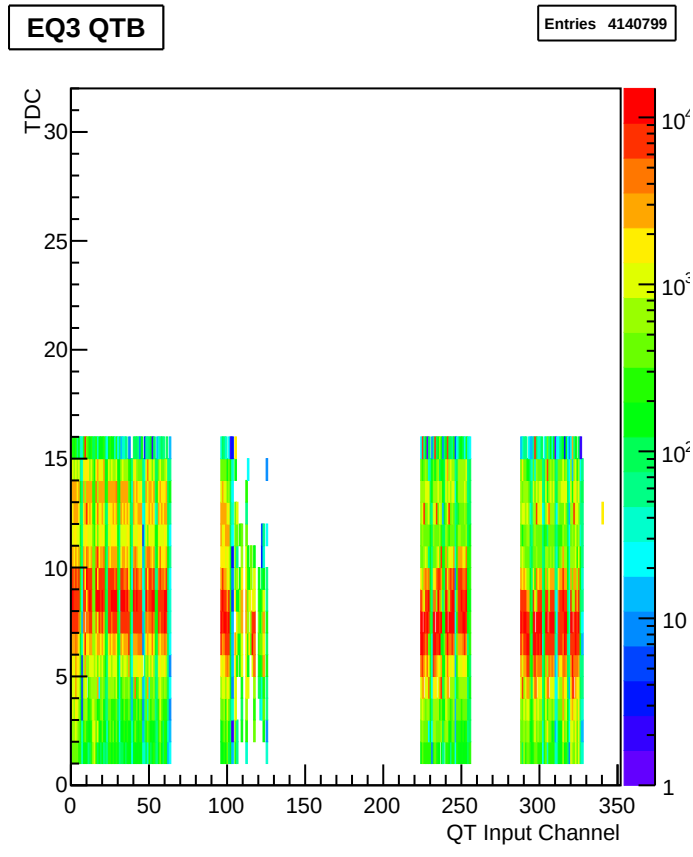

EQ2 QTB
Entries 1.480262e+07
ADC
QT Input Channel

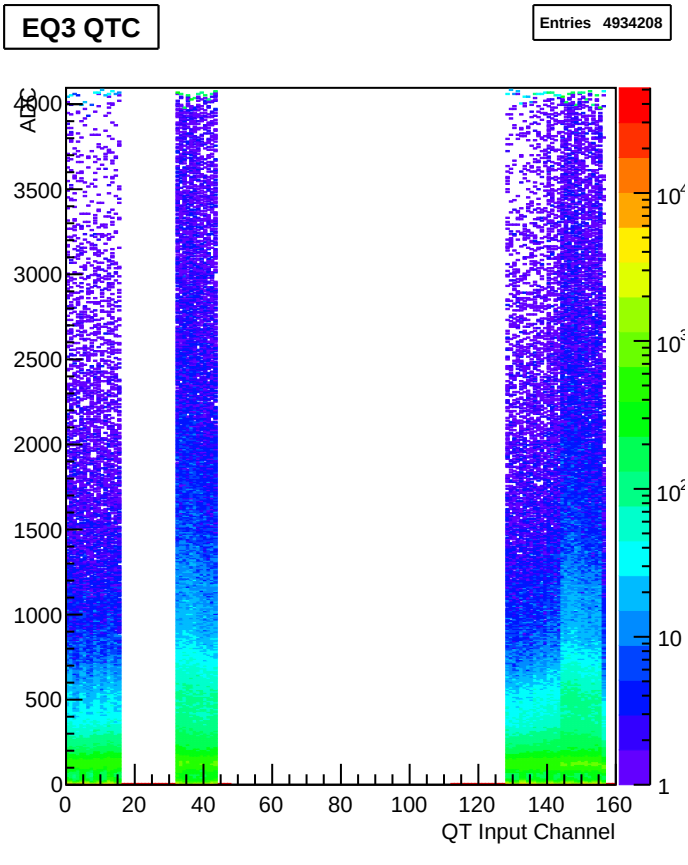

EQ2 QTB
Entries 5161560
TDC
QT Input Channel

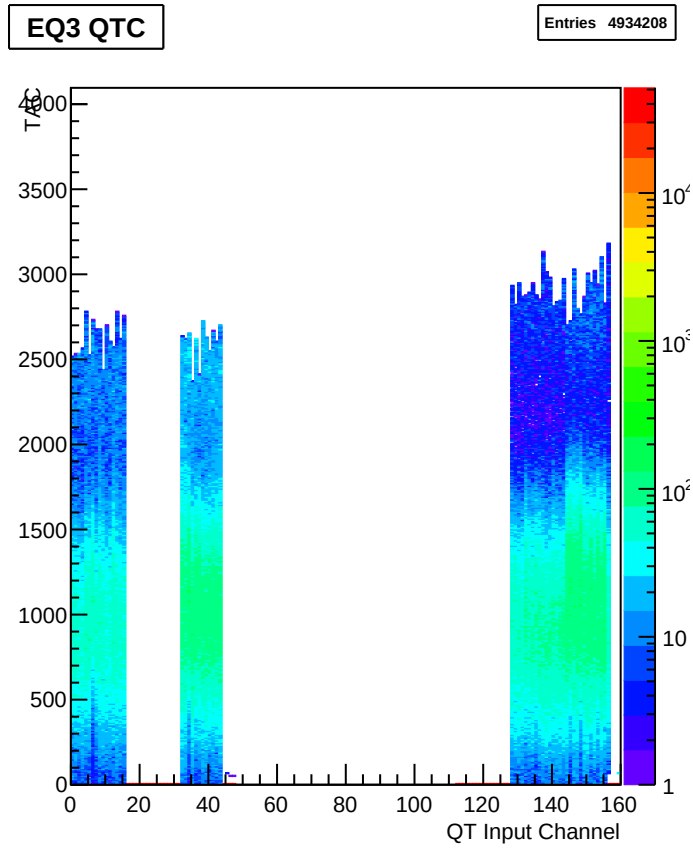

EQ2 QTC
Entries 4934208
ADC
QT Input Channel

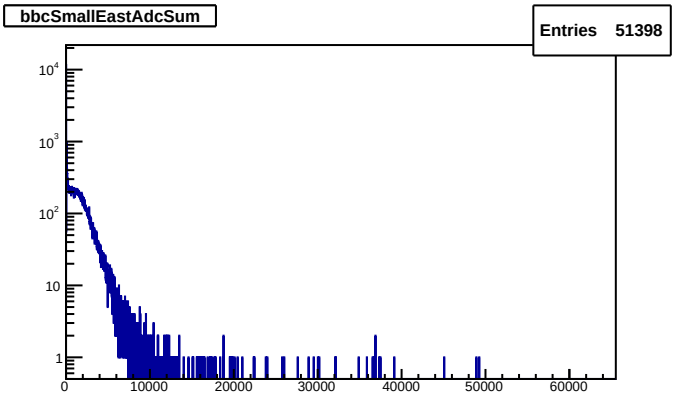

EQ2 QTC
Entries 4934208
TADC
QT Input Channel

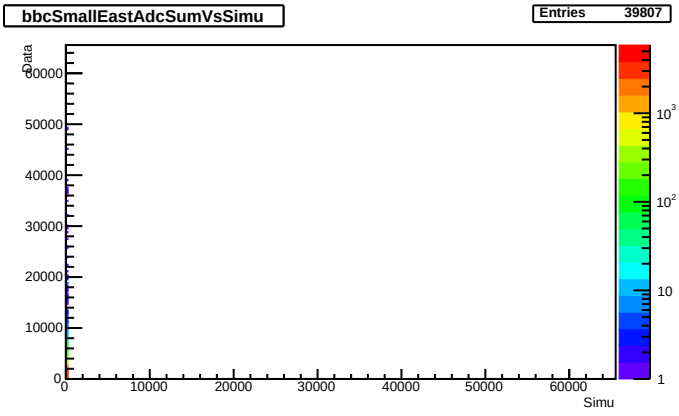

EQ3 QTB
Entries 1.315789e+07
ADC
QT Input Channel

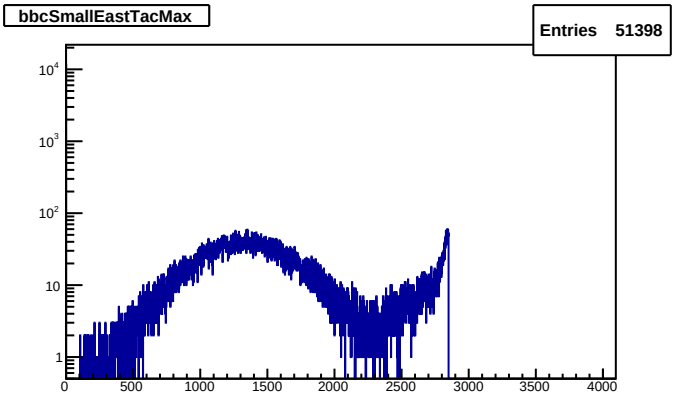

EQ3 QTB
Entries 4140799
TDC
QT Input Channel

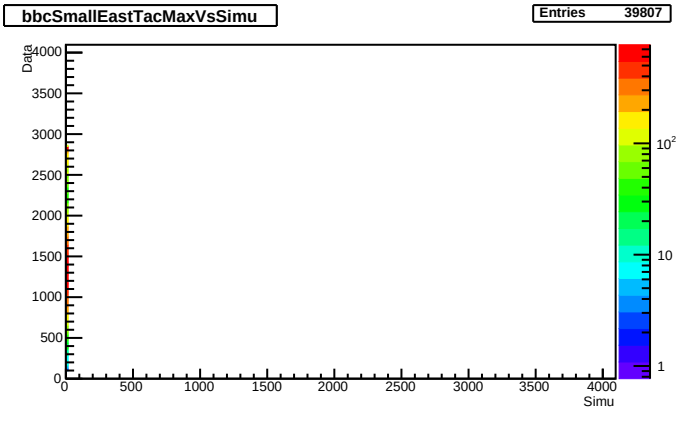

EQ3 QTC
Entries 4934208
ADC
QT Input Channel

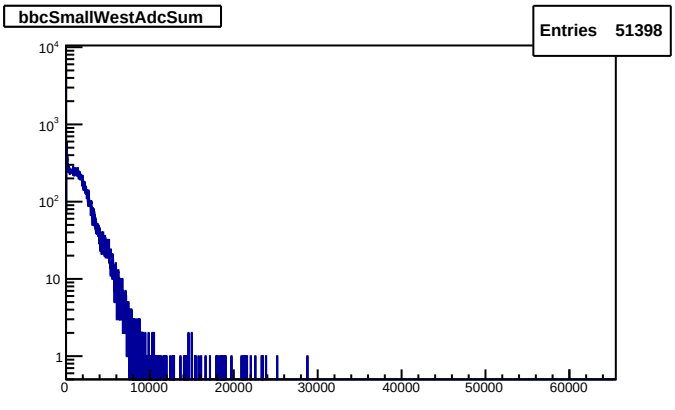

EQ3 QTC
Entries 4934208
TADC
QT Input Channel

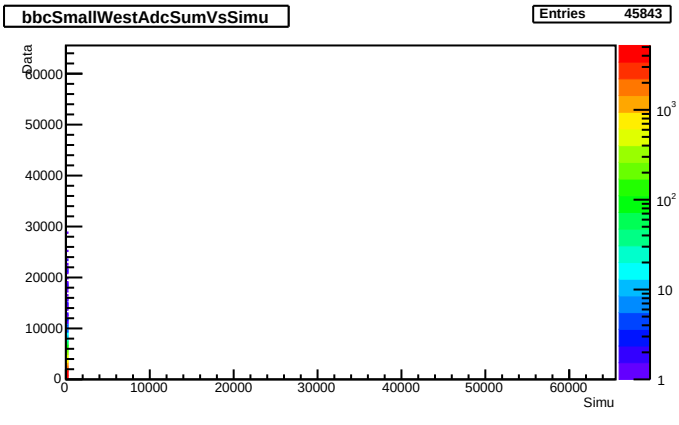

bbcSmallEastAdcSum
Entries 51398

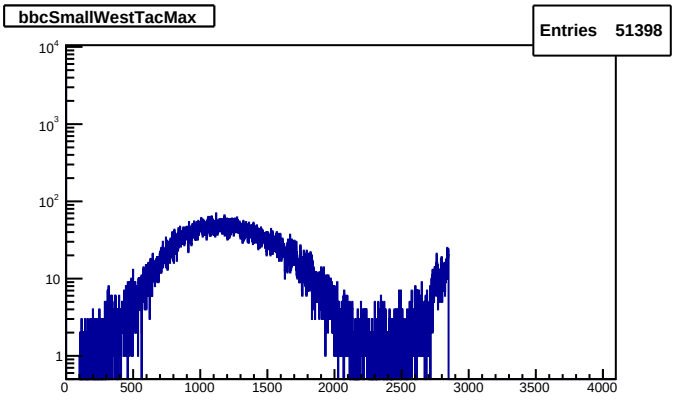

bbcSmallEastAdcSumVsSimu
Entries 39807
Data
Simu

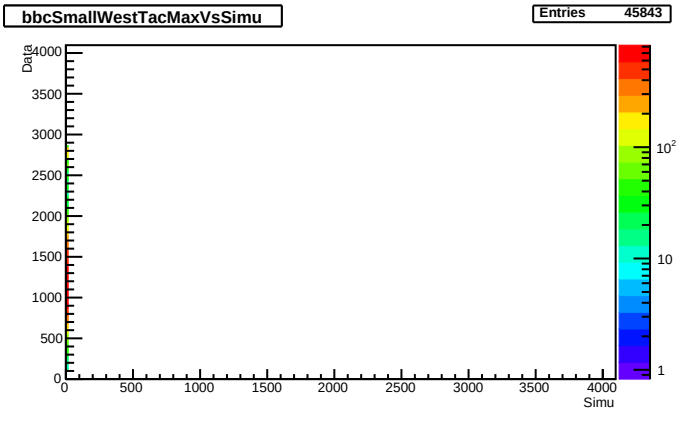

bbcSmallEastTacMax
Entries 51398

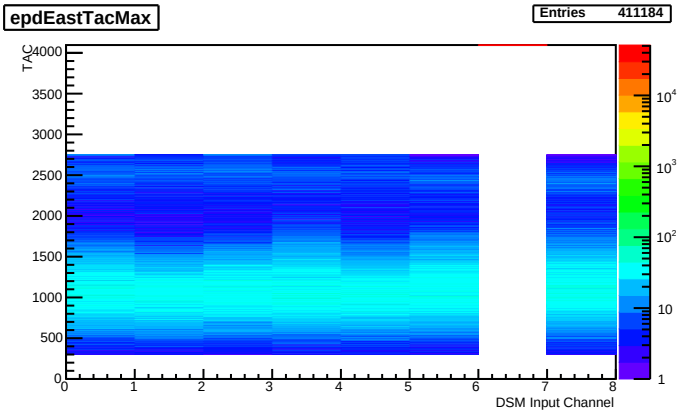

bbcSmallEastTacMaxVsSimu
Entries 39807
Data
Simu

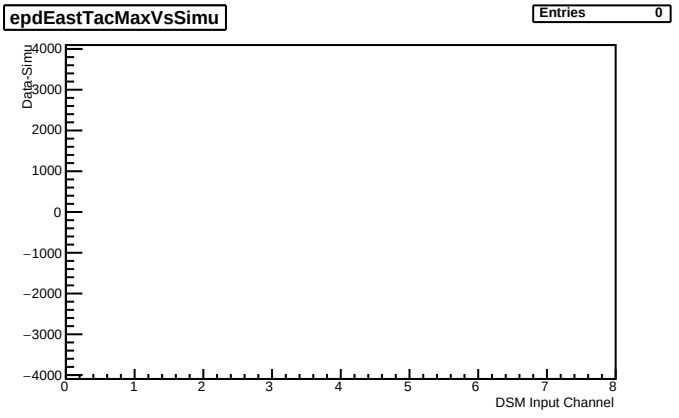

bbcSmallWestAdcSum
Entries 51398

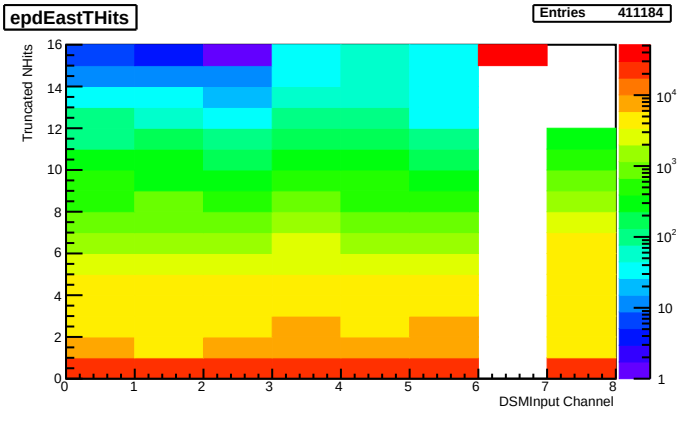

bbcSmallWestAdcSumVsSimu
Entries 45843
Data
Simu

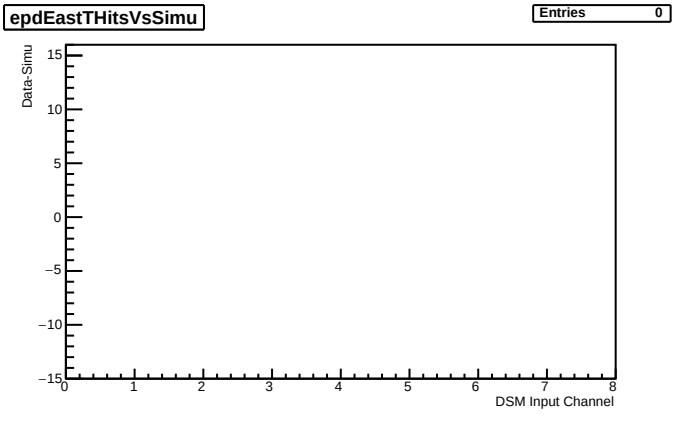

bbcSmallWestTacMax
Entries 51398

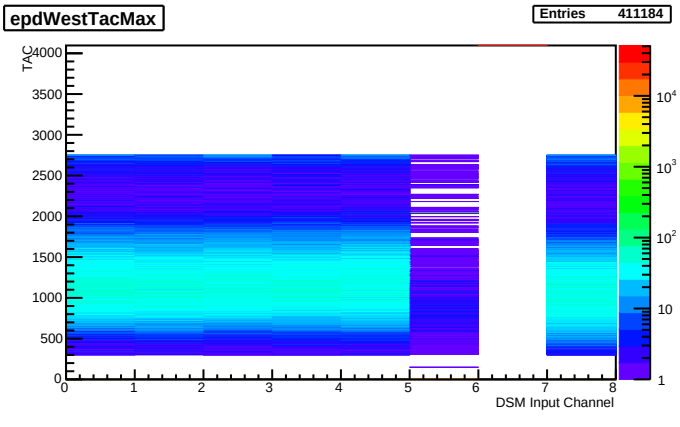

bbcSmallWestTacMaxVsSimu
Entries 45843
Data
Simu

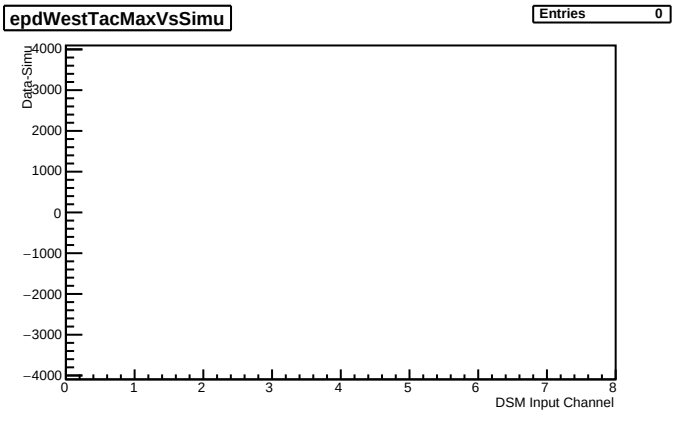

epdEastTacMax
Entries 411184
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 411184
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 411184
TAC
DSM Input Channel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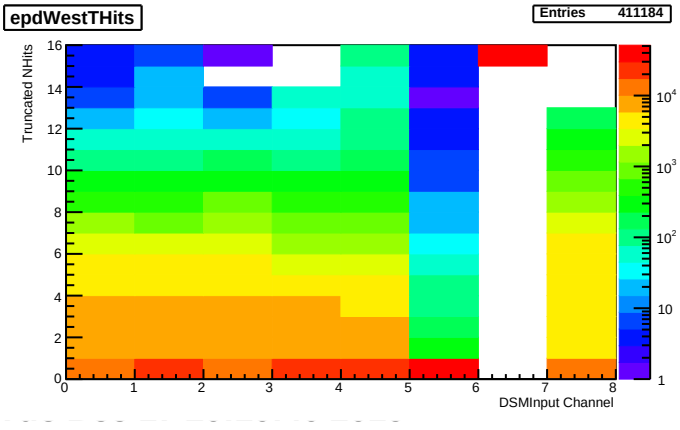
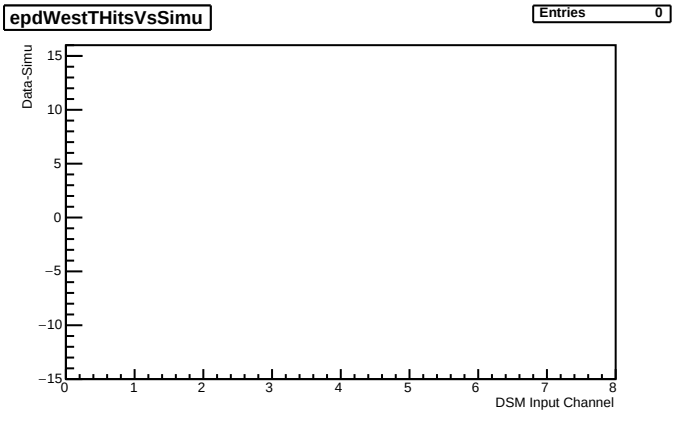
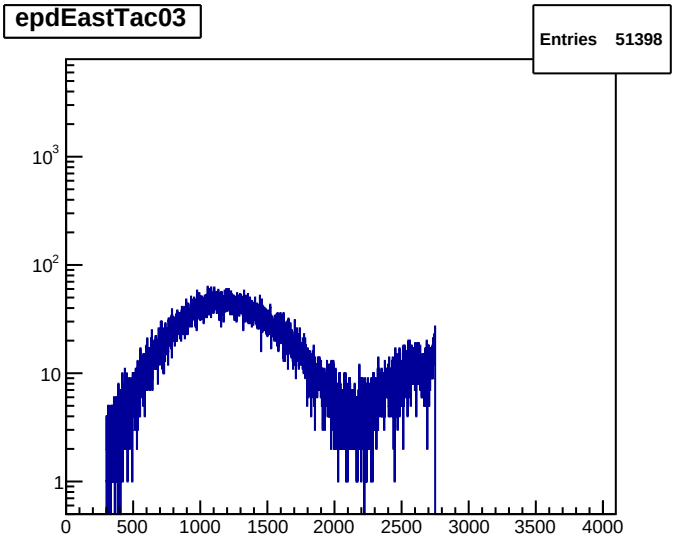
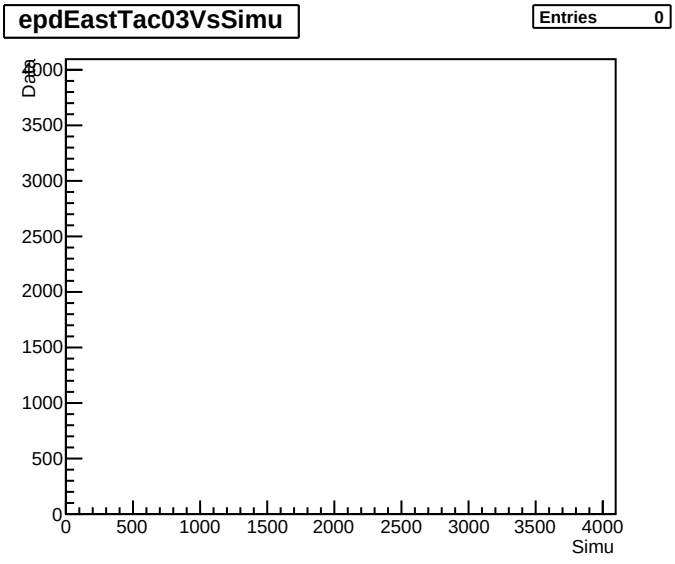
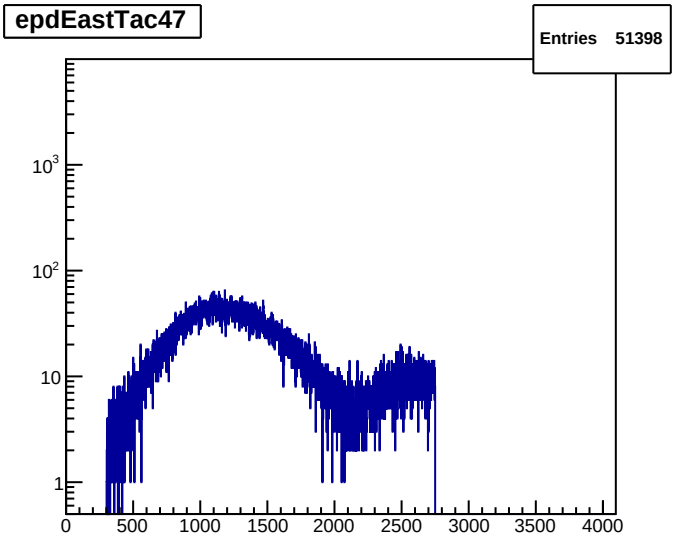
Entries 0
Data-Simu
DSM Input Channel

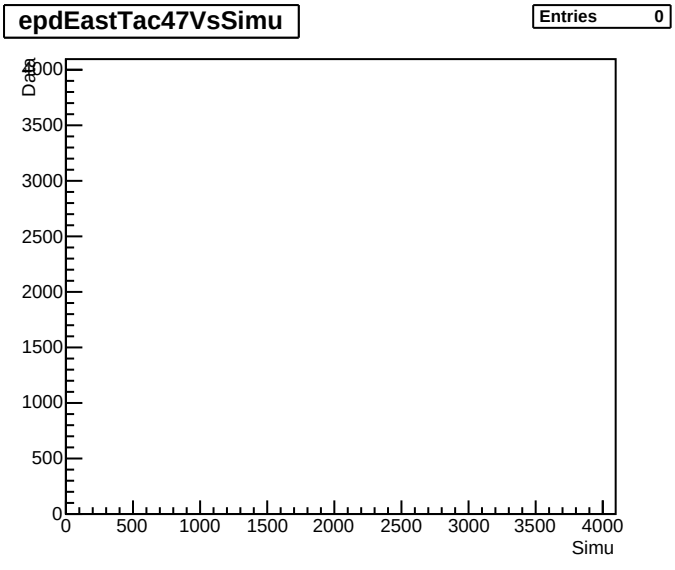

epdWestTHits
Entries 411184
Truncated NHits
DSMInput Channel

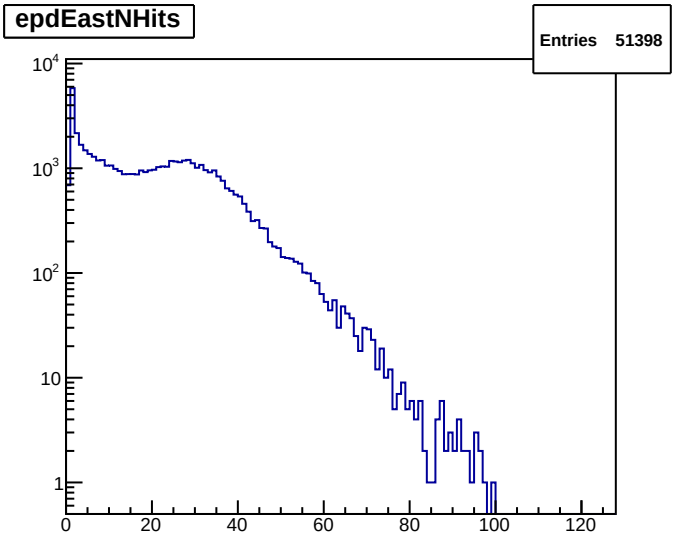

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

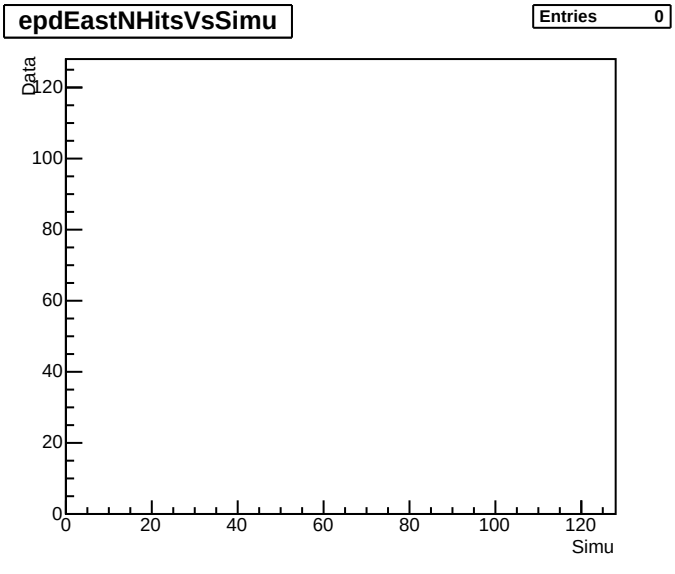

epdEastTac03
Entries 51398

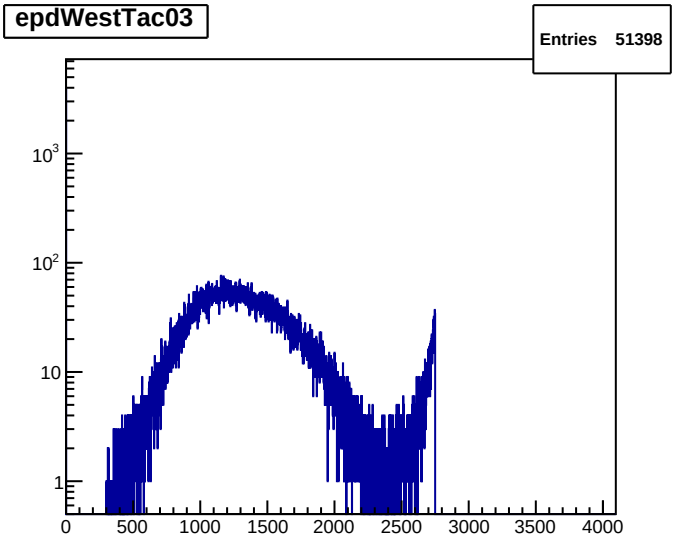

epdEastTac03VsSimu
Entries 0
Data
Simu

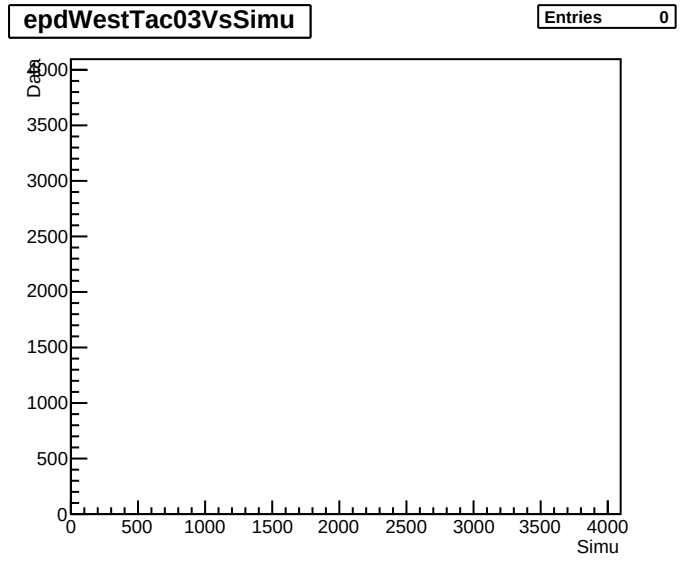

epdEastTac47
Entries 51398

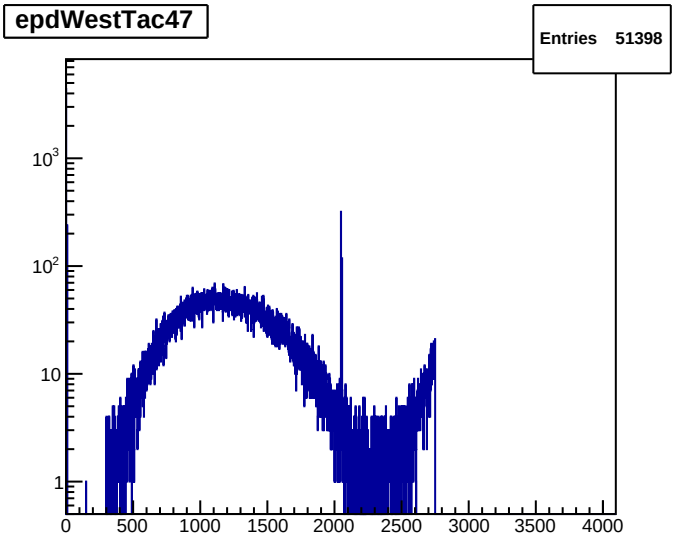

epdEastTac47VsSimu
Entries 0
Data
Simu

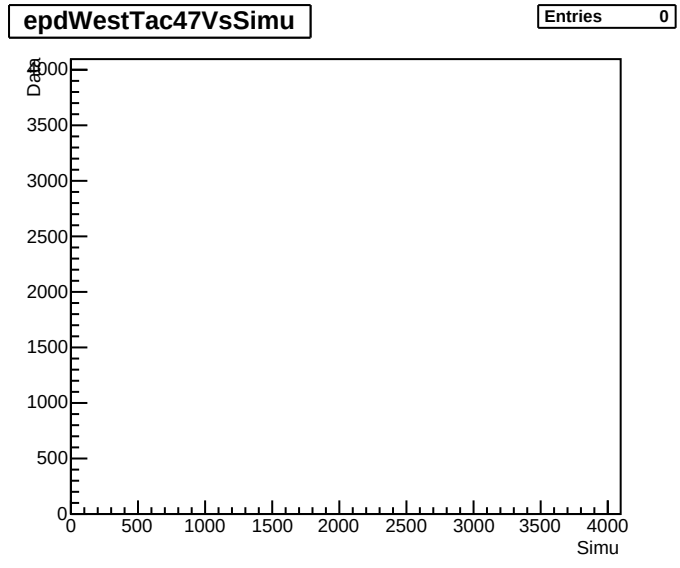

epdEastNHits
Entries 51398

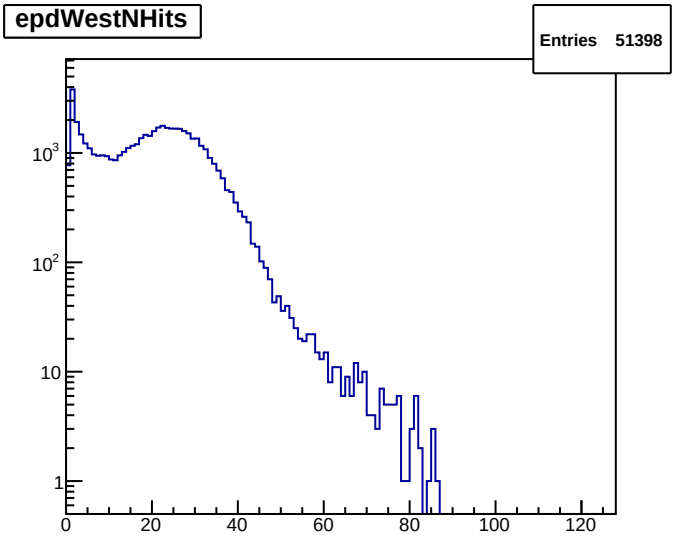

epdEastNHitsVsSimu
Entries 0
Data
Simu

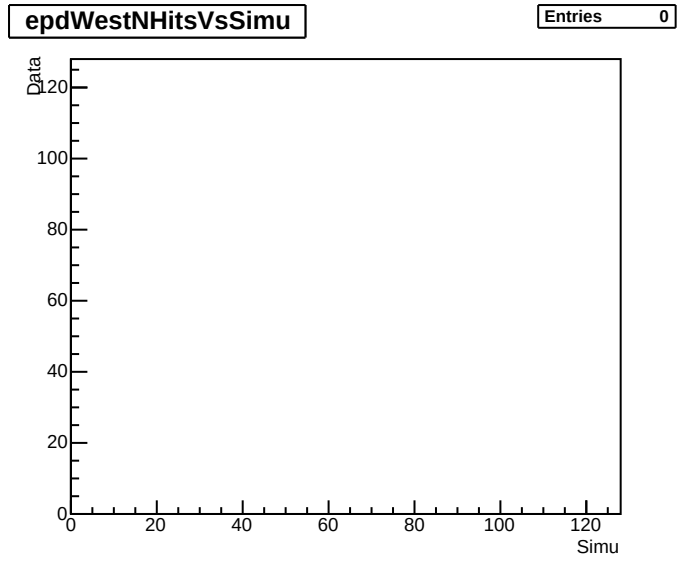

epdWestTac03
Entries 51398

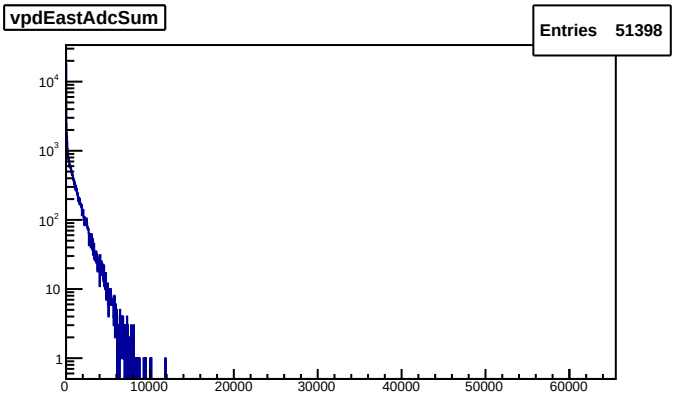

epdWestTac03VsSimu
Entries 0
Data
Simu

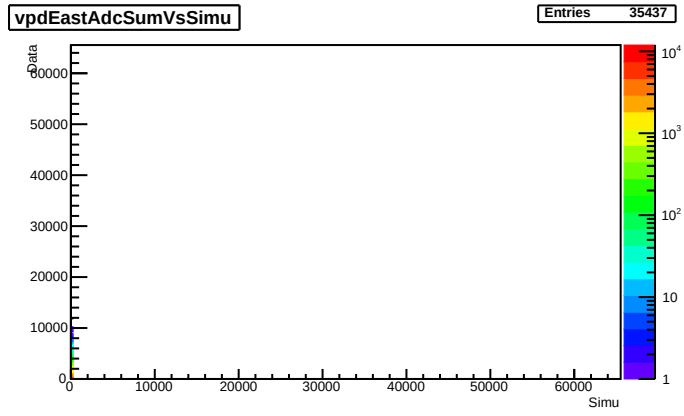

epdWestTac47
Entries 51398

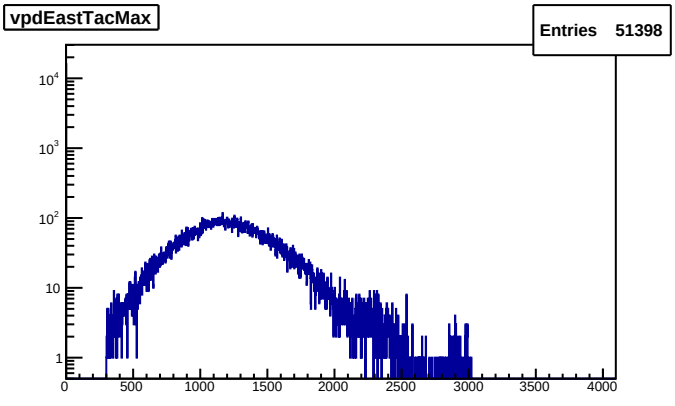

epdWestTac47VsSimu
Entries 0
Data
Simu

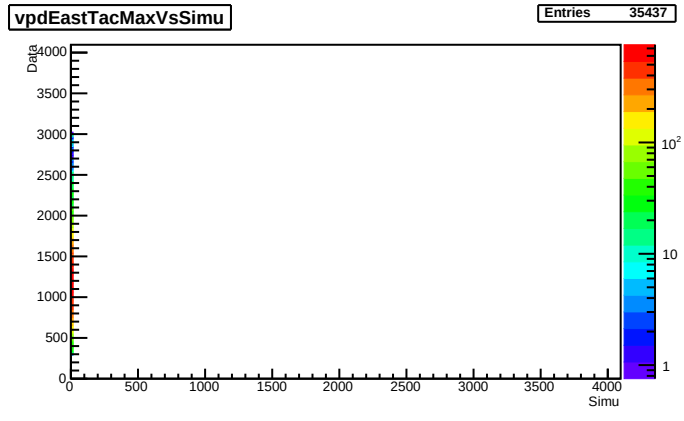

epdWestNHits
Entries 51398

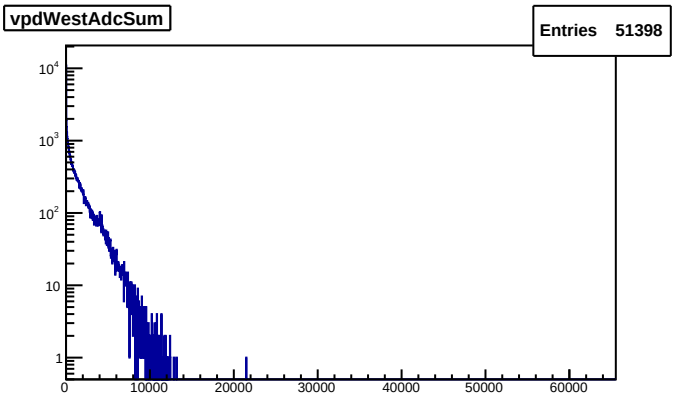

epdWestNHitsVsSimu
Entries 0
Data
Simu

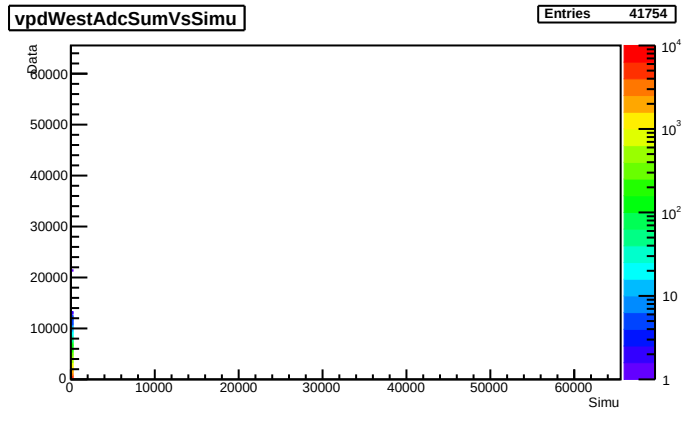

vpdEastAdcSum
Entries 51398

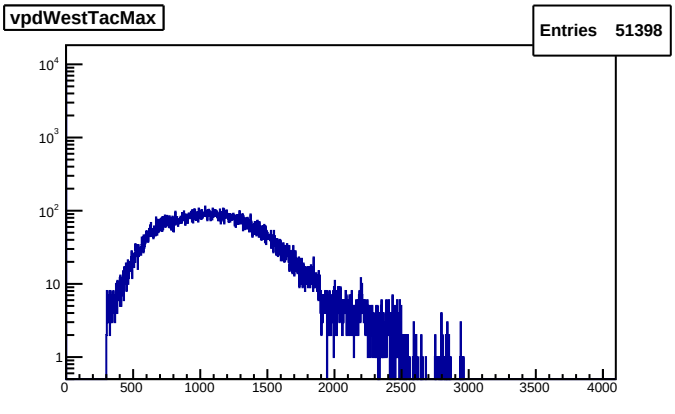

vpdEastAdcSumVsSimu
Entries 35437
Data
Simu

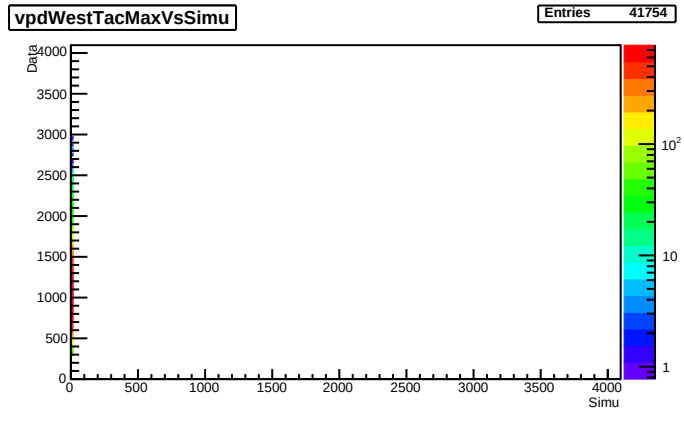

vpdEastTacMax
Entries 51398

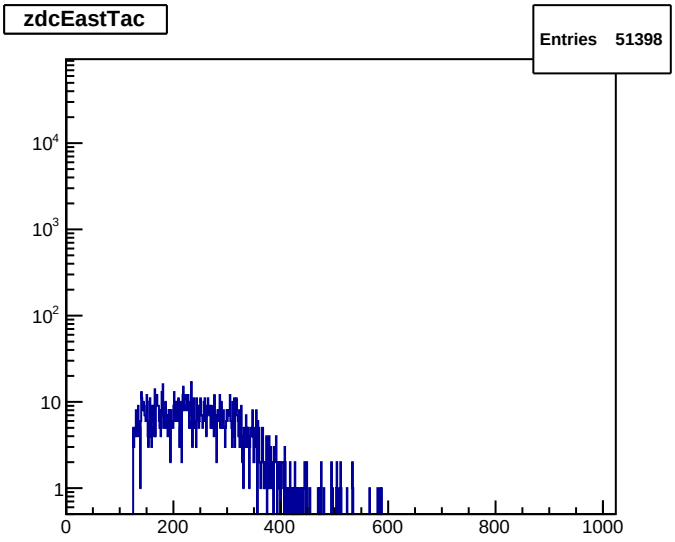

vpdEastTacMaxVsSimu
Entries 35437
Data
Simu

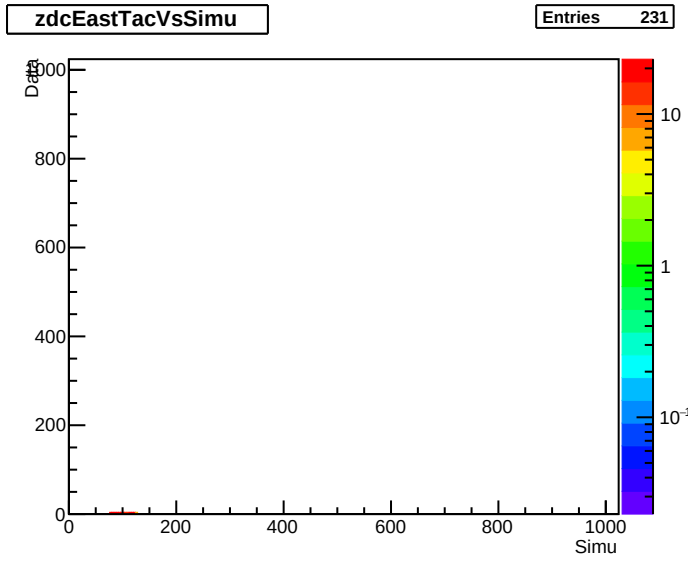

vpdWestAdcSum
Entries 51398

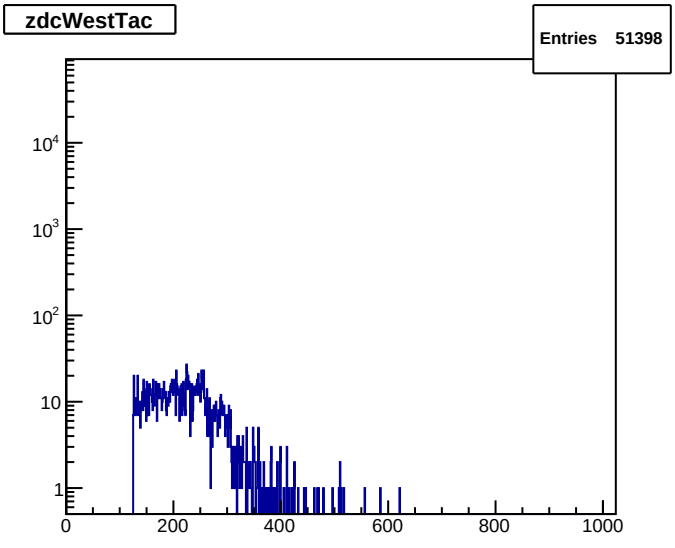

vpdWestAdcSumVsSimu
Entries 41754
Data
Simu

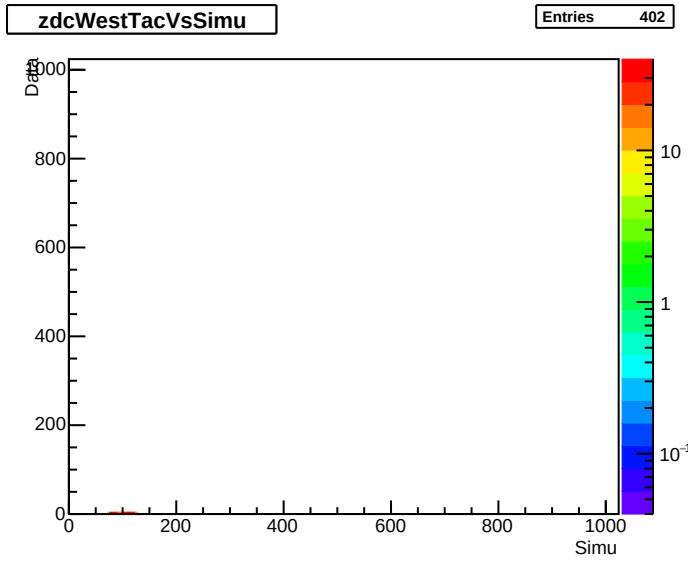

vpdWestTacMax
Entries 51398

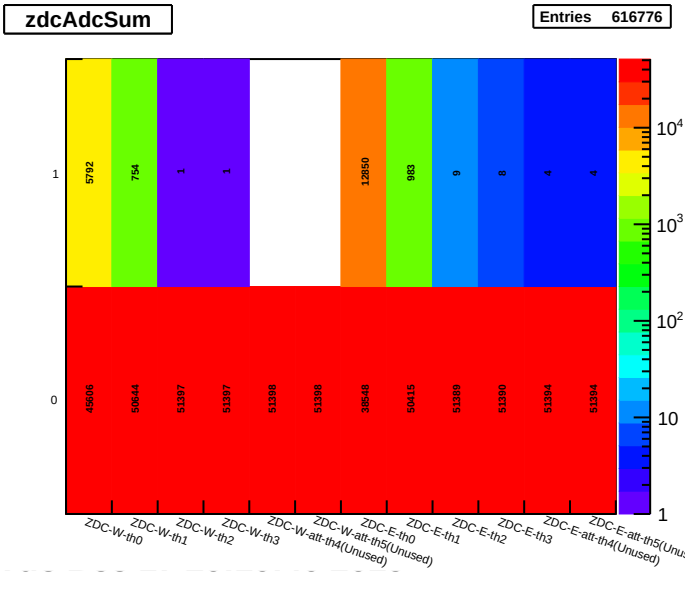

vpdWestTacMaxVsSimu
Entries 41754
Data
Simu

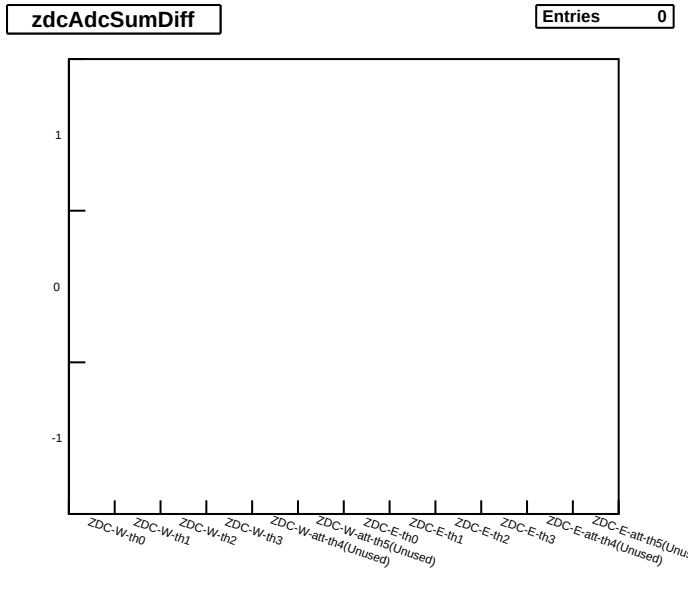

zdcEastTac
Entries 51398
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

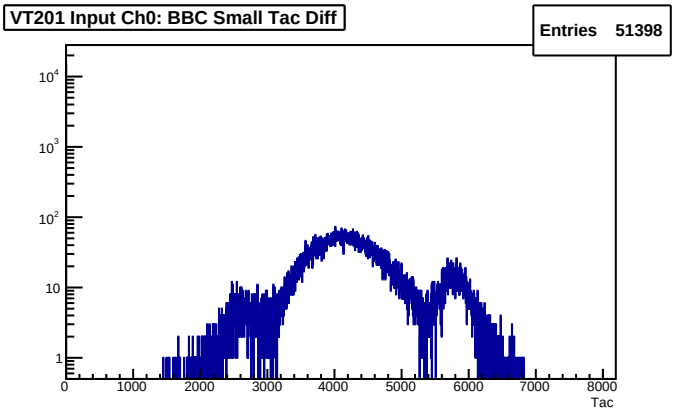

zdcEastTacVsSimu
Entries 231
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

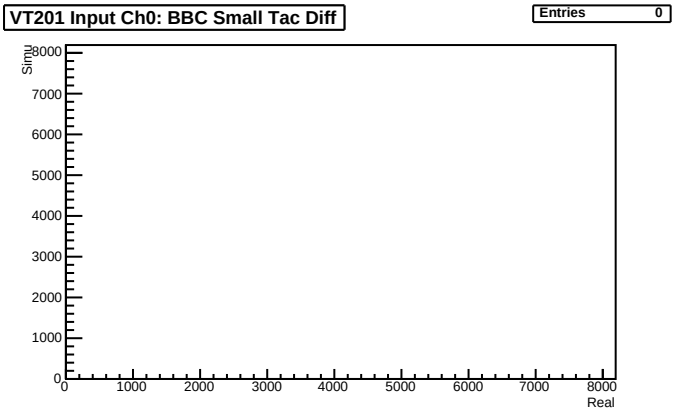

zdcWestTac
Entries 51398
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

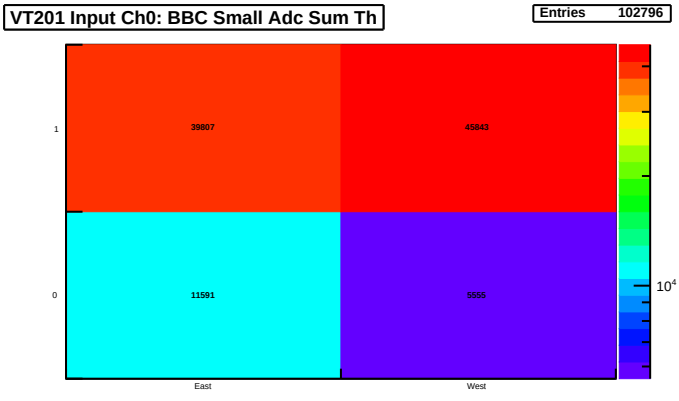

zdcWestTacVsSimu
Entries 402
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

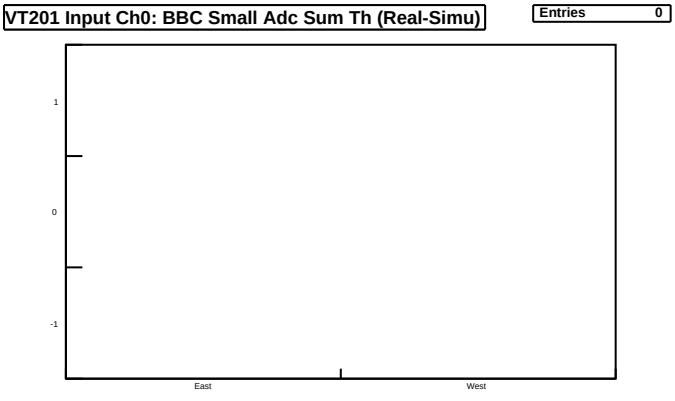

zdcAdcSum
Entries 616776
1
0
5792
754
1
1
12850
983
9
8
4
4
45606
50644
51397
51397
51398
51398
38549
50415
51389
51390
51394
51394
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

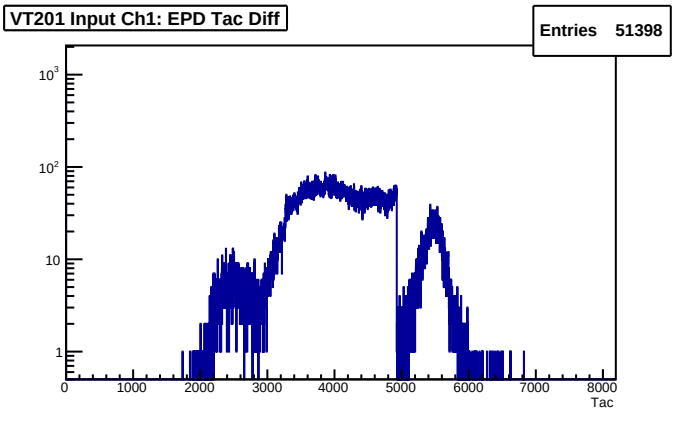

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

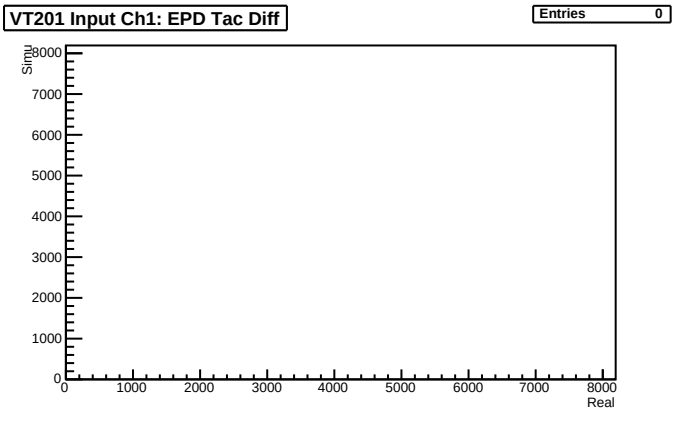

VT201 Input Ch0: BBC Small Tac Diff
Entries 51398
Tac

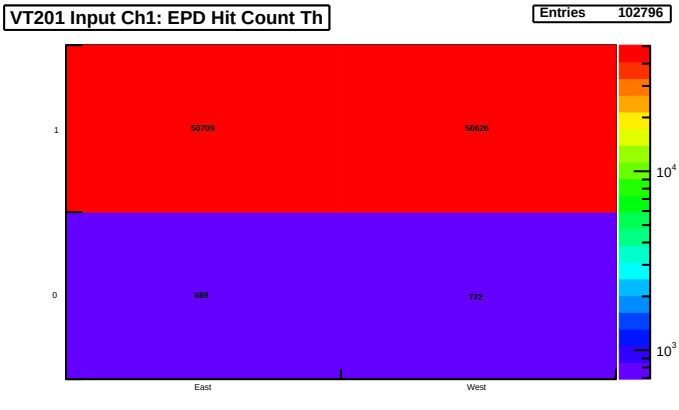

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

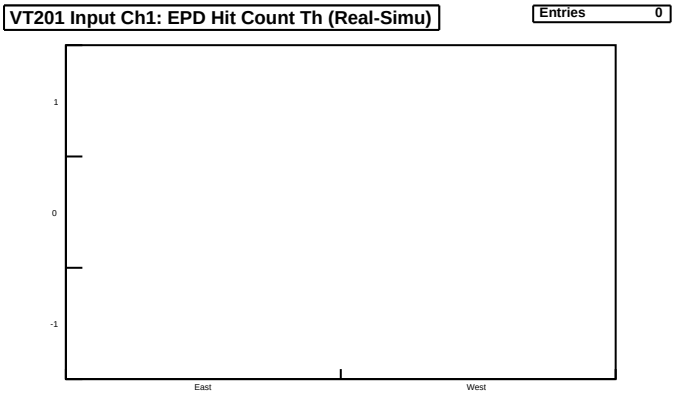

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 102796
39807
45843
11591
5555
East
West

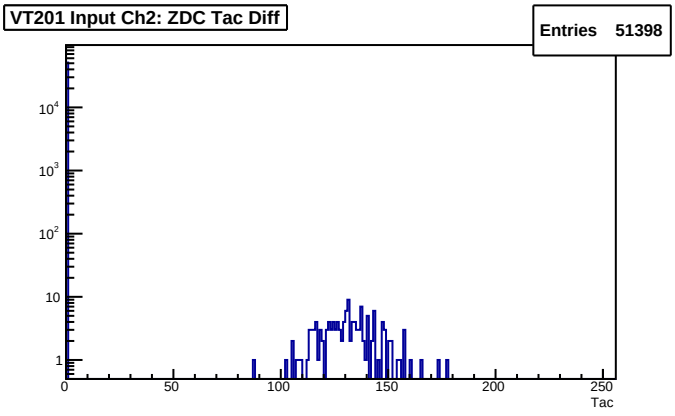

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

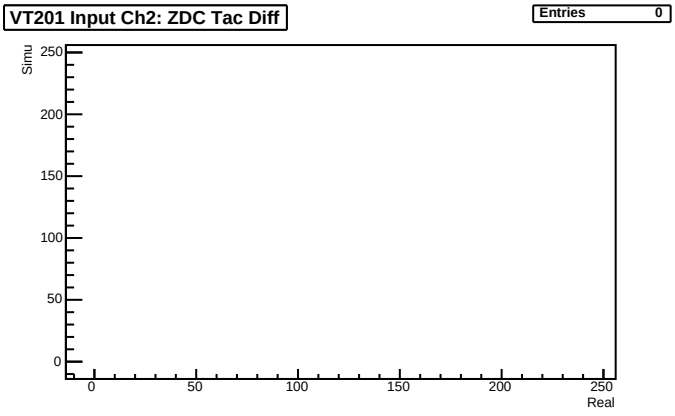

VT201 Input Ch1: EPD Tac Diff
Entries 51398
Tac

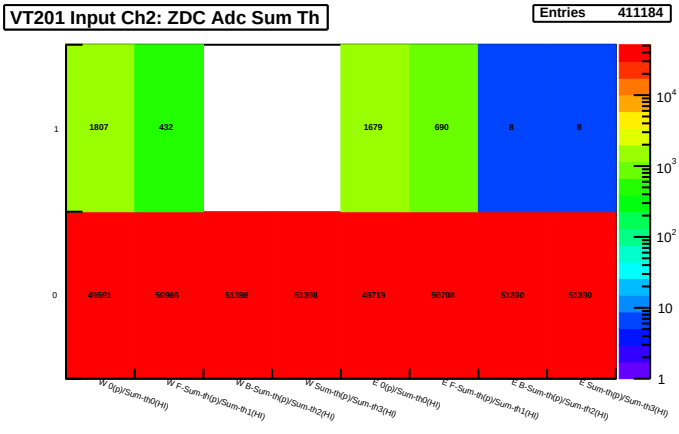

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

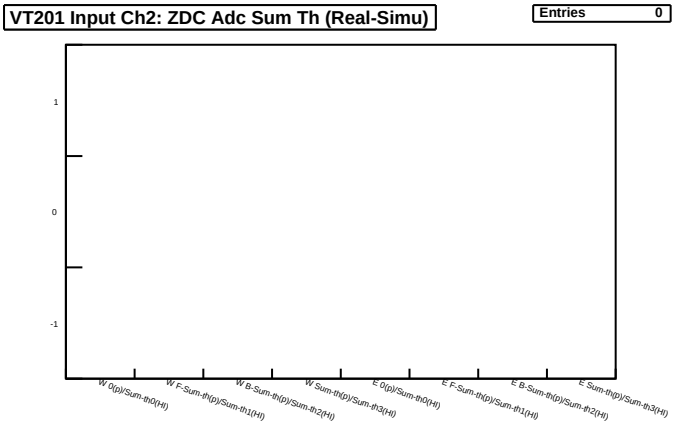

VT201 Input Ch1: EPD Hit Count Th
Entries 102796
50709
50626
689
772
East
West

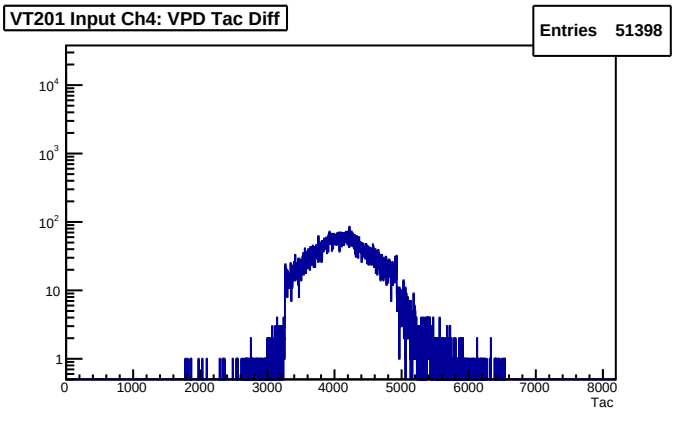

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

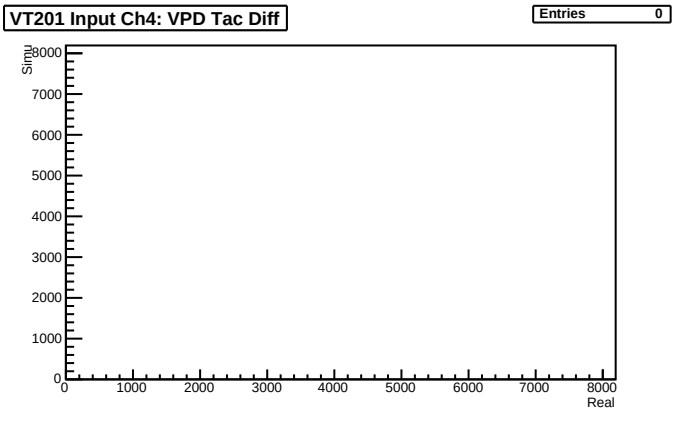

VT201 Input Ch2: ZDC Tac Diff
Entries 51398
Tac

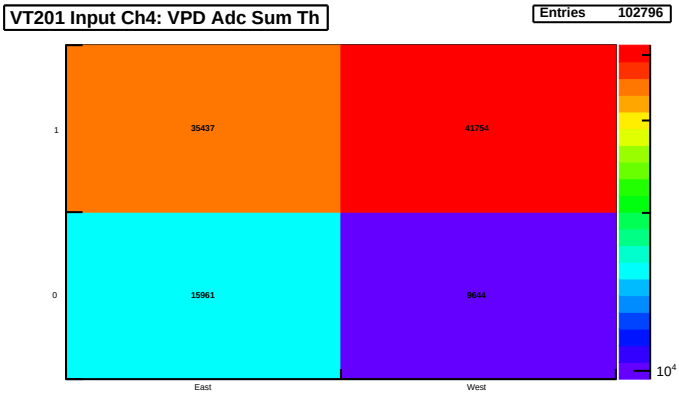

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

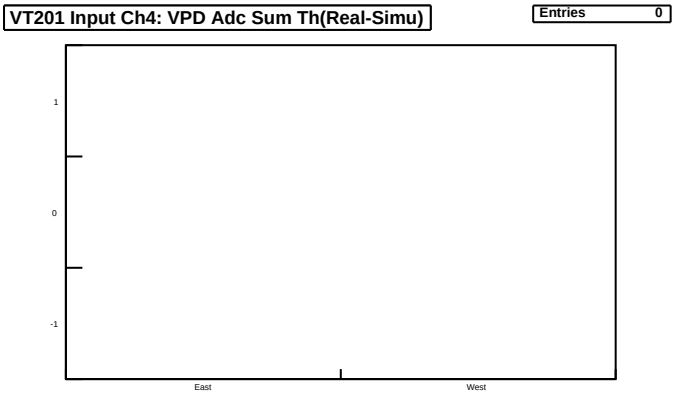

VT201 Input Ch2: ZDC Adc Sum Th
Entries 411184
1807
432
1679
690
8
8
49591
50966
51398
51398
49719
50708
51390
51390
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

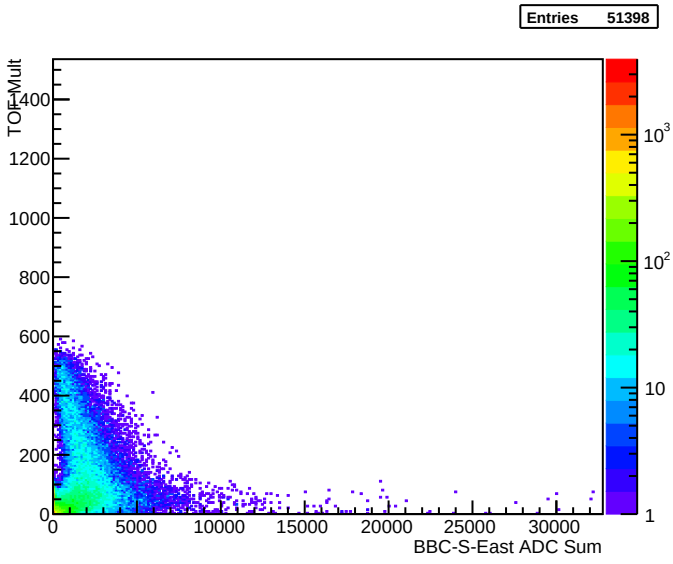

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

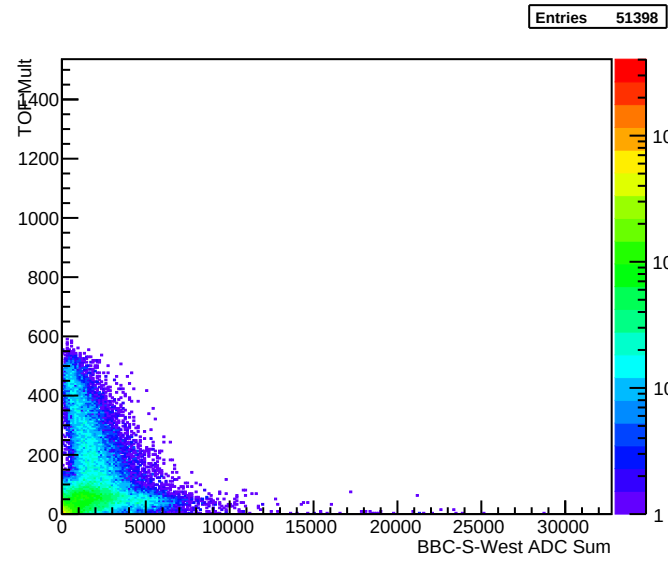

VT201 Input Ch4: VPD Tac Diff
Entries 51398
Tac

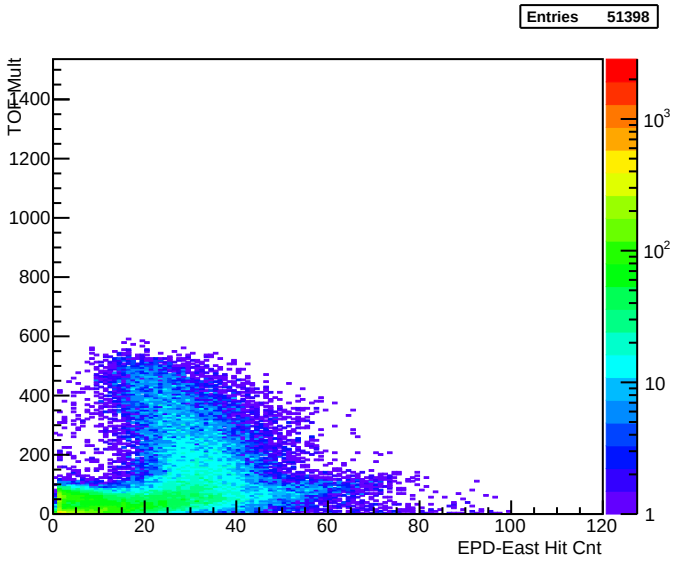

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

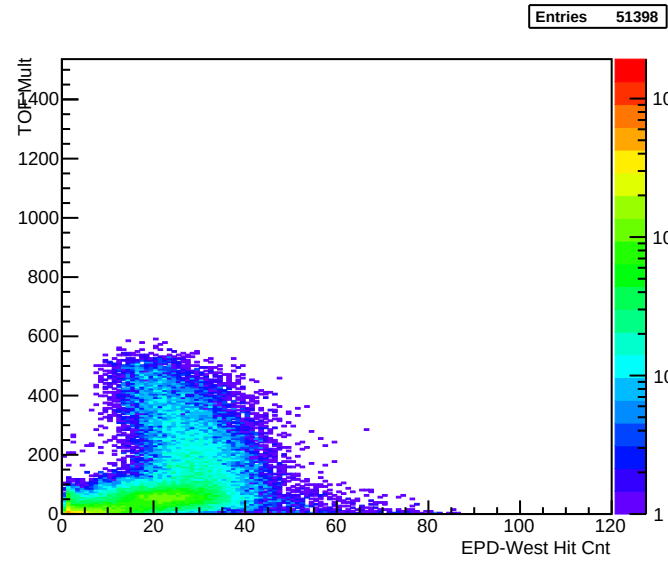

VT201 Input Ch4: VPD Adc Sum Th
Entries 102796
35437
41754
15961
9644
East
West

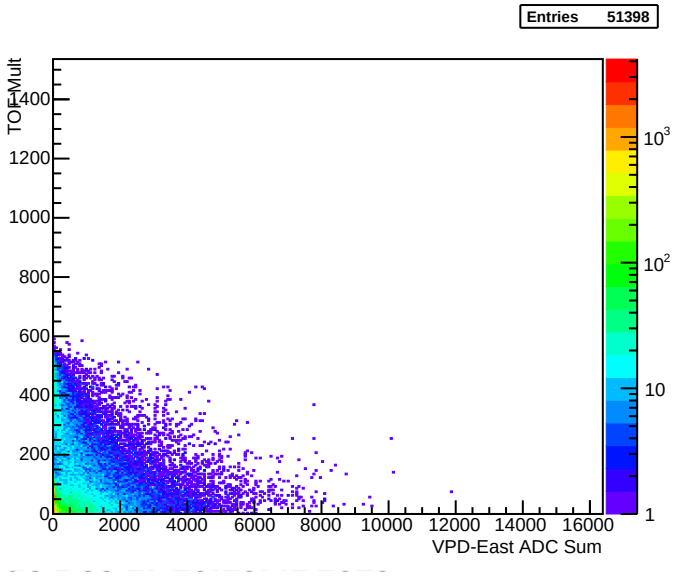

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

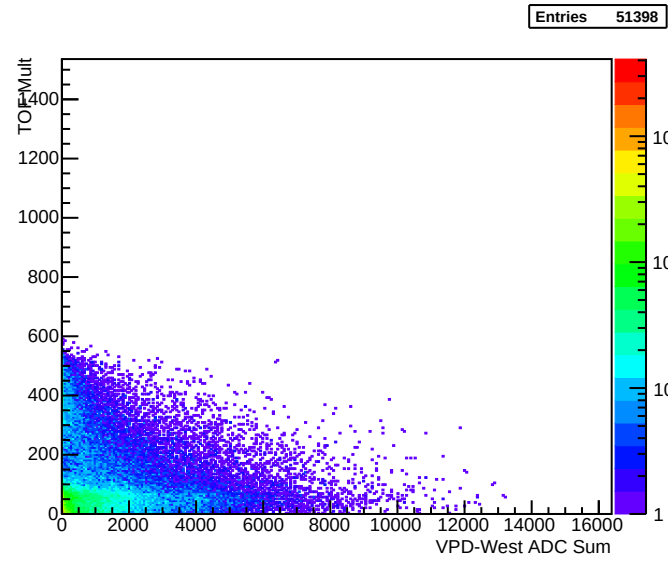

Entries 51398
TOF-Mult
BBC-S-East ADC Sum

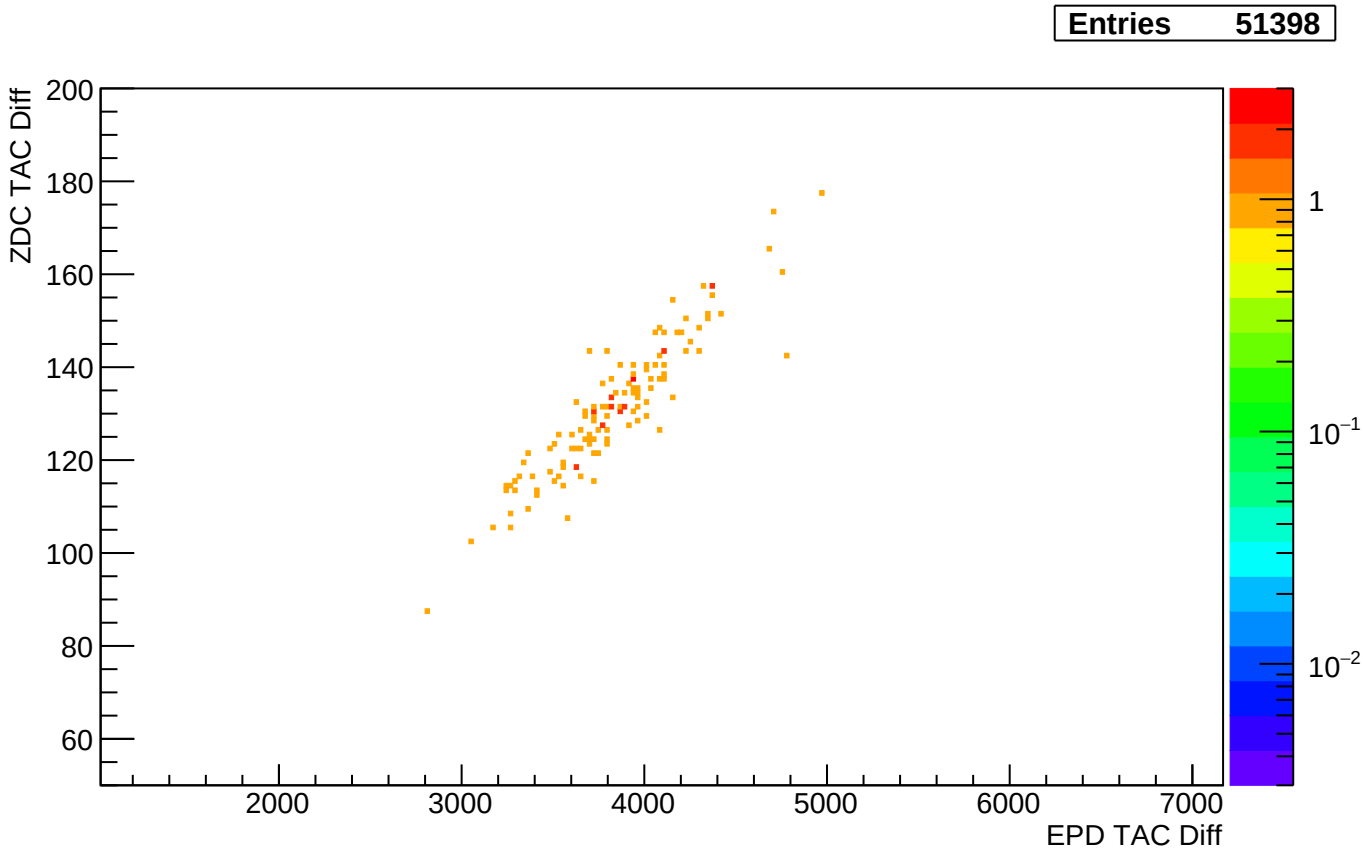

Entries 51398
TOF-Mult
BBC-S-West ADC Sum

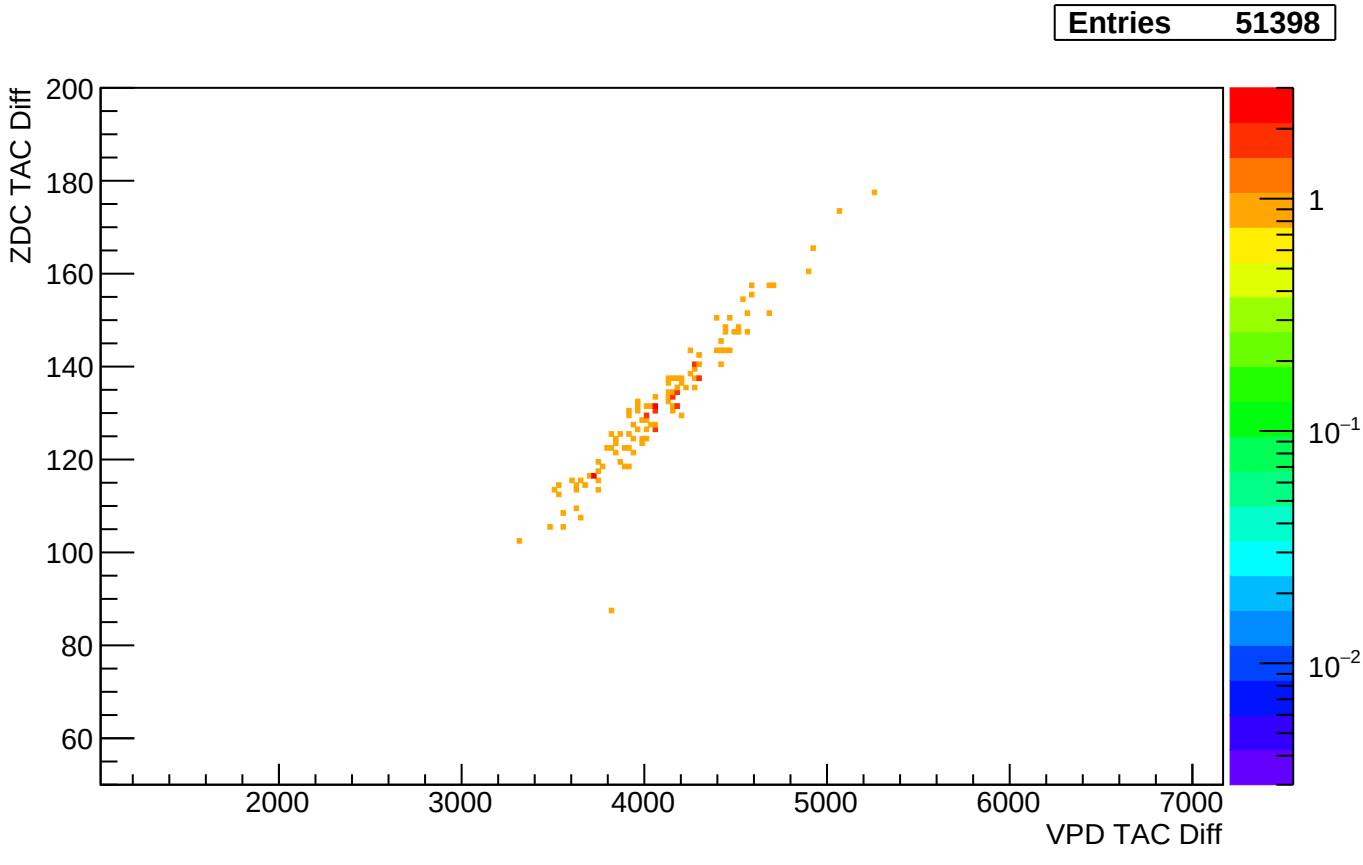

Entries 51398
TOF-Mult
EPD-East Hit Cnt

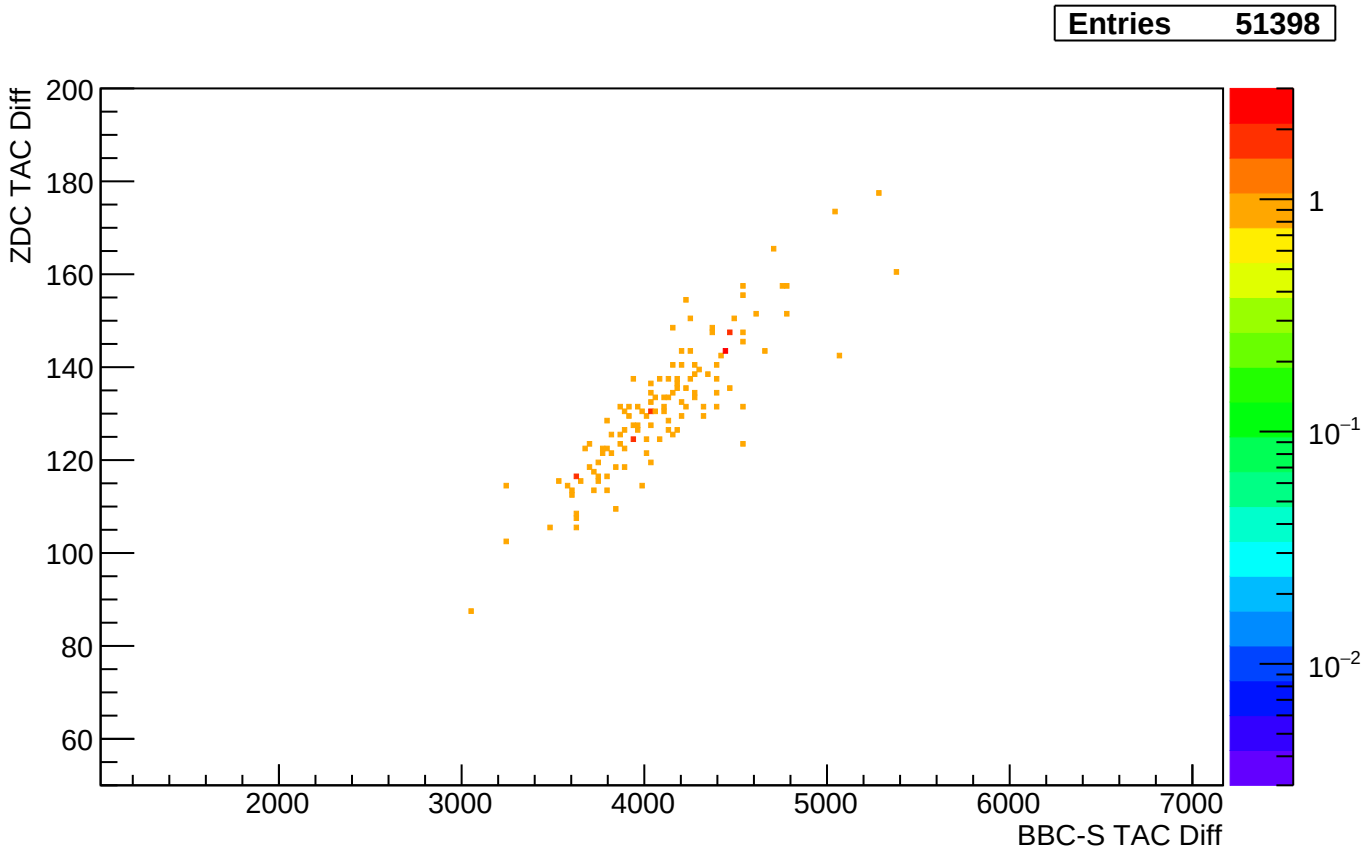

Entries 51398
TOF-Mult
EPD-West Hit Cnt

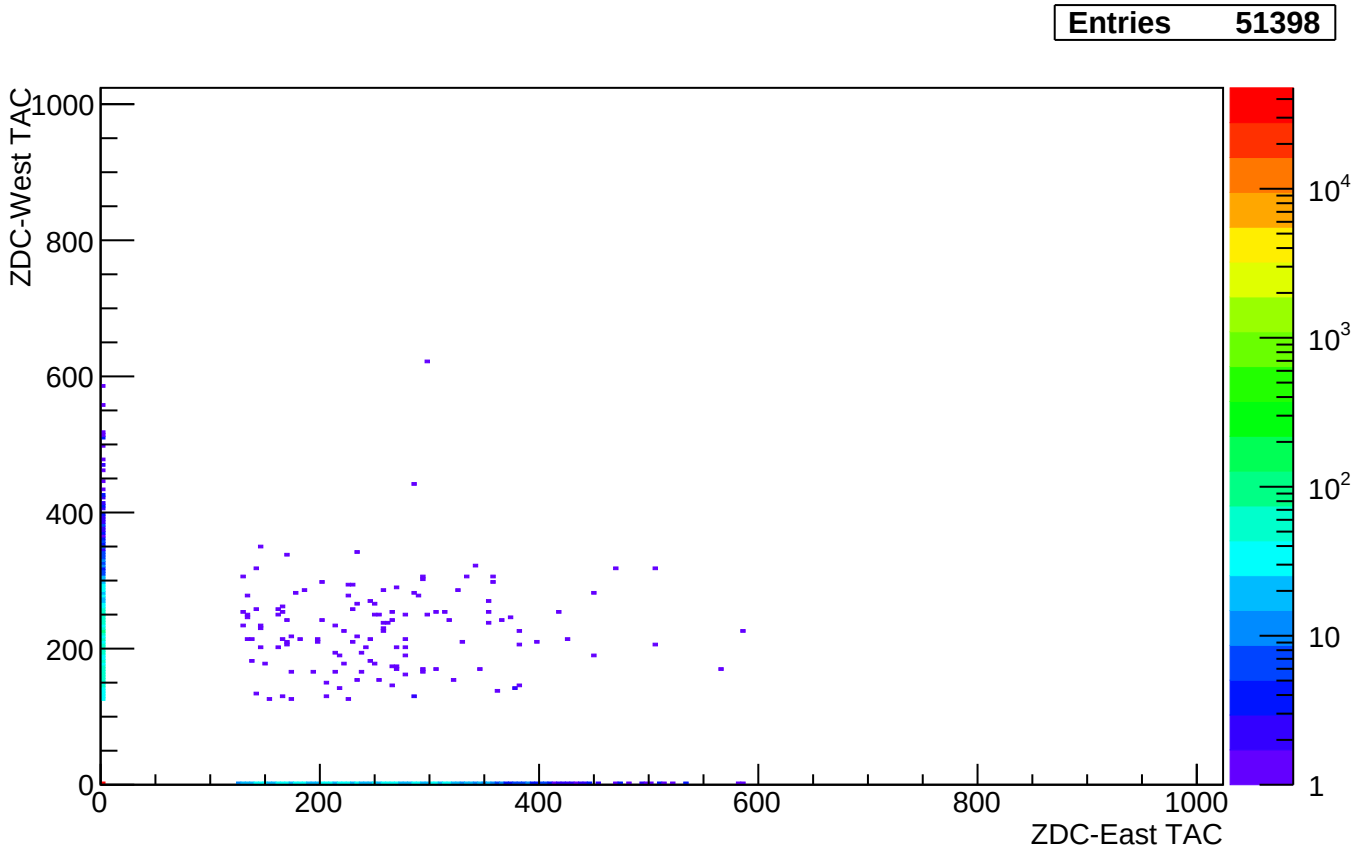

Entries 51398
TOF-Mult
VPD-East ADC Sum

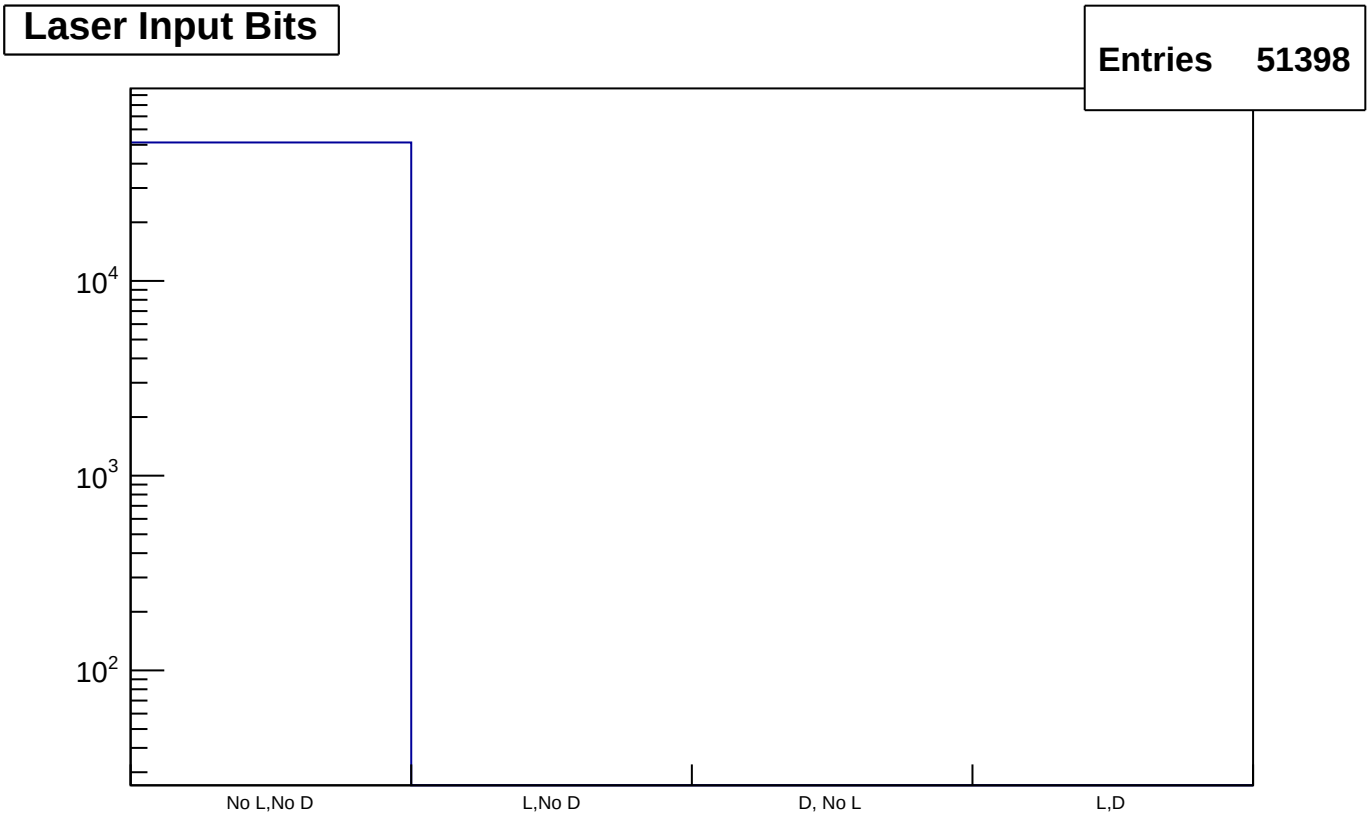

Entries 51398
TOF-Mult
VPD-West ADC Sum

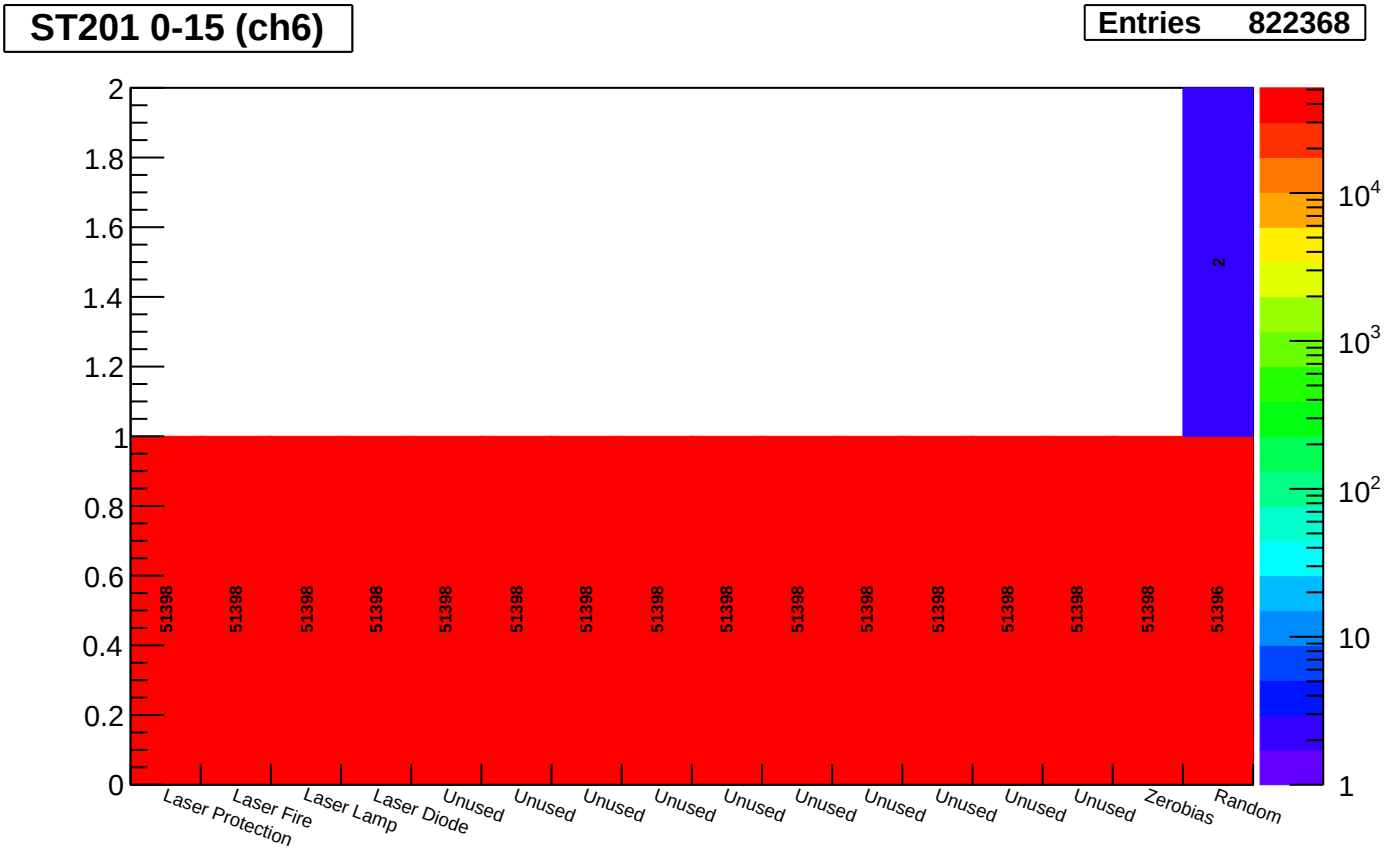

Entries 51398
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

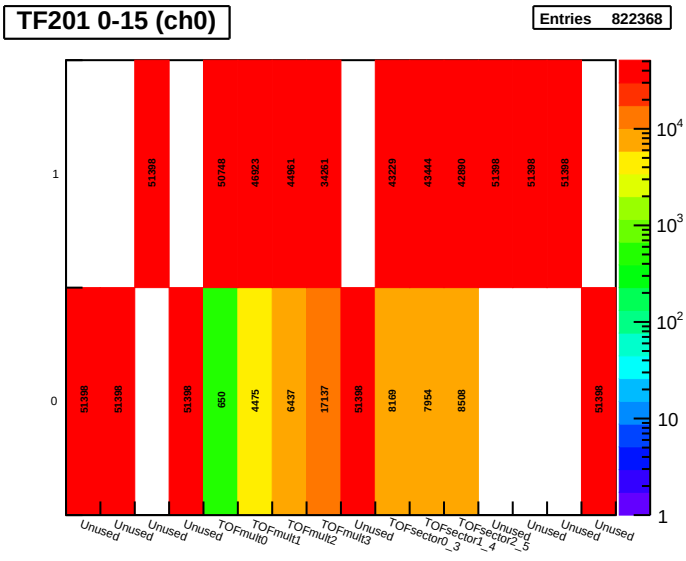

Entries 51398
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

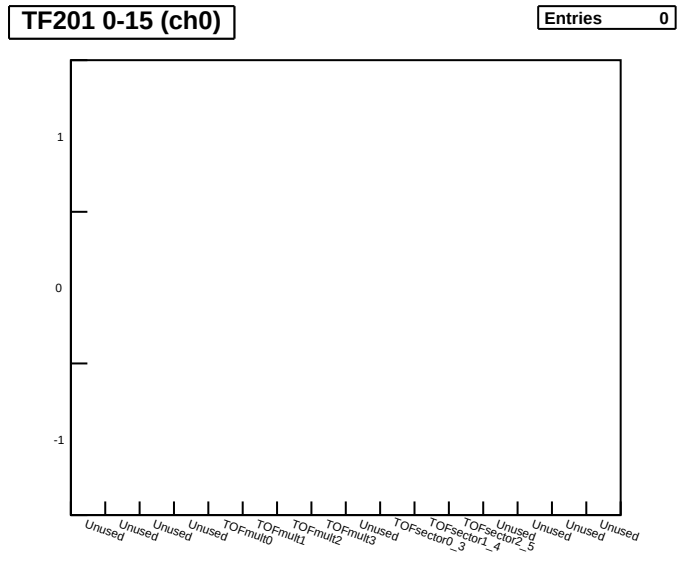

Entries 51398
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

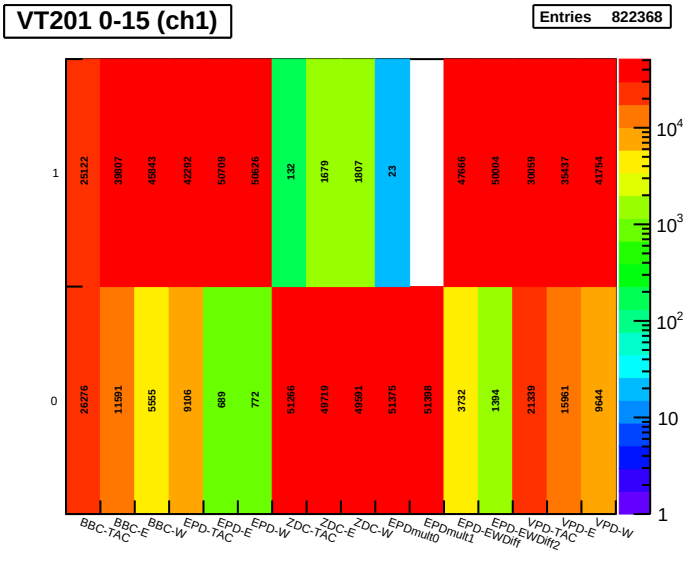

Entries 51398
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

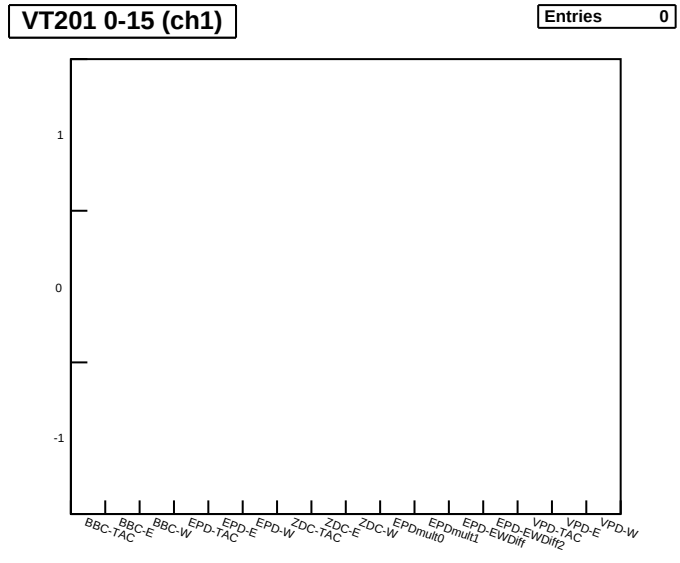

Laser Input Bits
Entries 51398
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

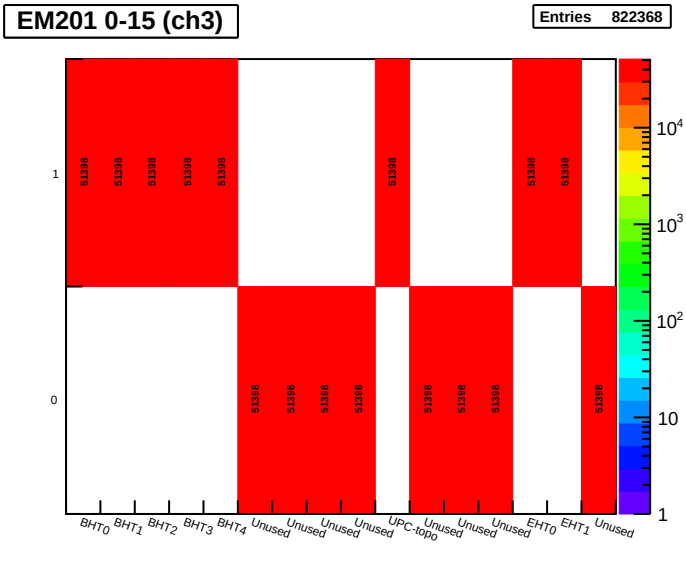

ST201 0-15 (ch6)
Entries 822368
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
51398
51396
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

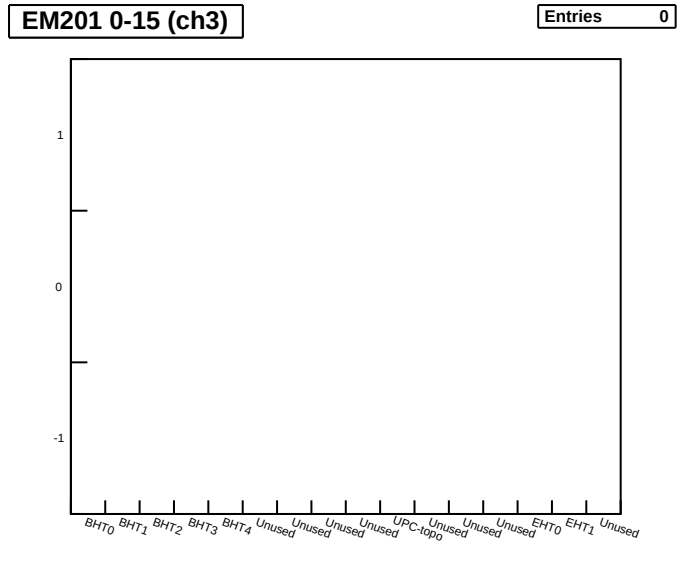

TF201 0-15 (ch0)
Entries 822368
1
0
51398 50748 46923 44961 34261 43229 43444 42890 51398 51398 51398
51398 51398 51398 650 4475 6437 17137 51398 8169 7954 8508 51398
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 822368
1
0
25122 38807 45843 42292 50709 50626 132 1679 1807 23 47666 50014 30059 35437 43754
26276 11591 5555 9106 689 772 51266 49719 49591 51375 51398 3732 1394 21339 15961 9644
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 822368
1
0
51398 51398 51398 51398 51398 51398 51398 51398 51398
51398 51398 51398 51398 51398 51398 51398 51398
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