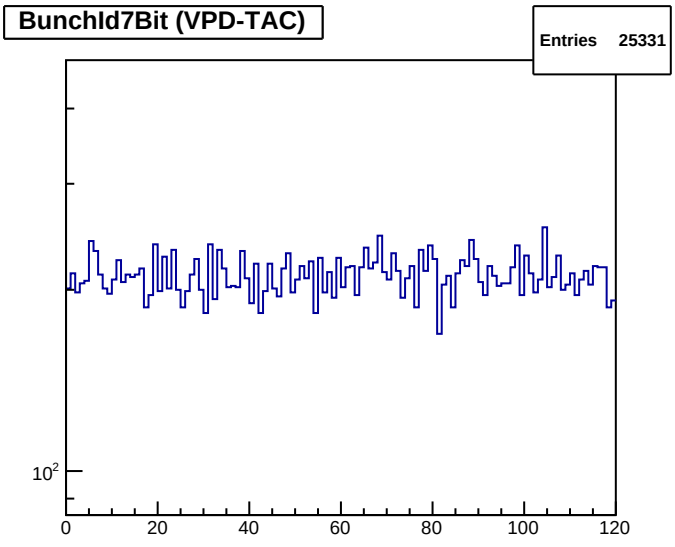
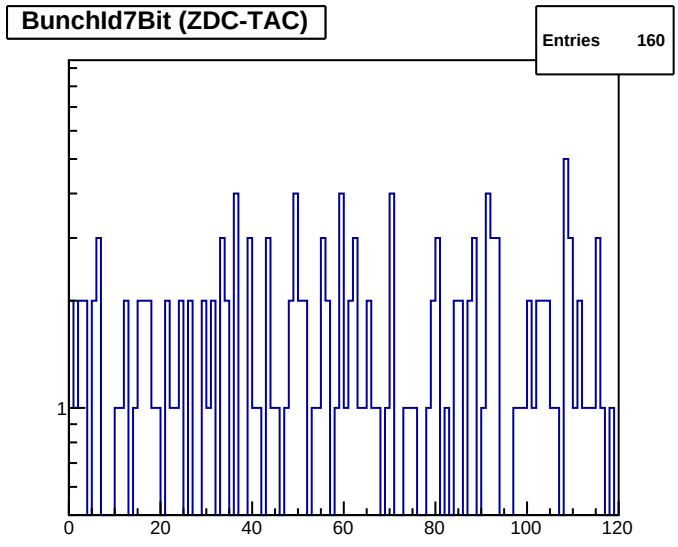
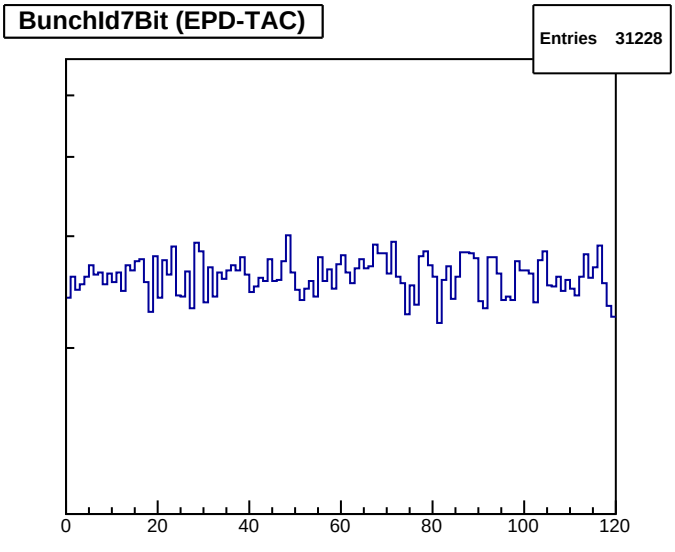
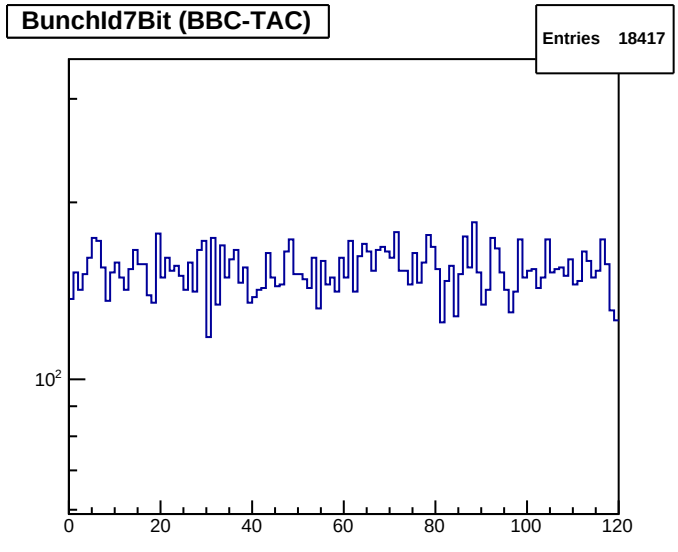
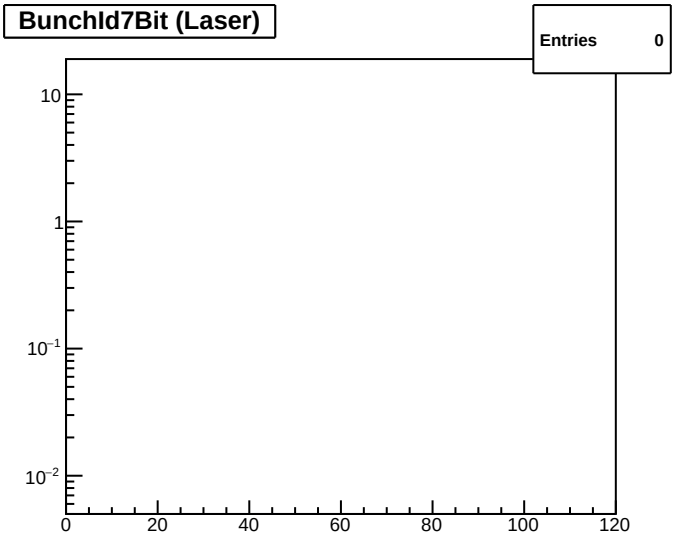
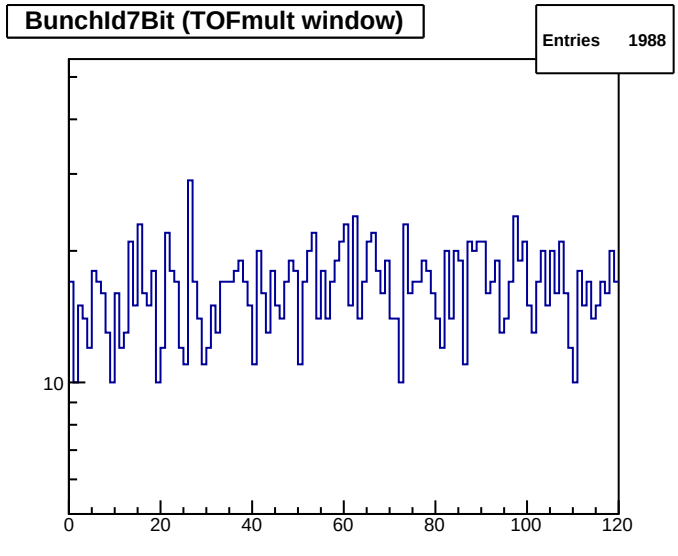

BunchId7Bit (VPD-TAC)
Entries 25331
10^2
0 20 40 60 80 100 120

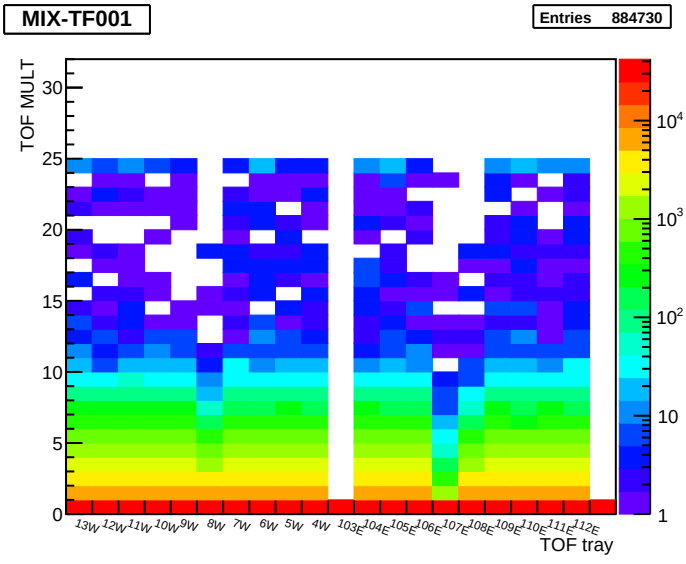

BunchId7Bit (ZDC-TAC)
Entries 160
1
0 20 40 60 80 100 120

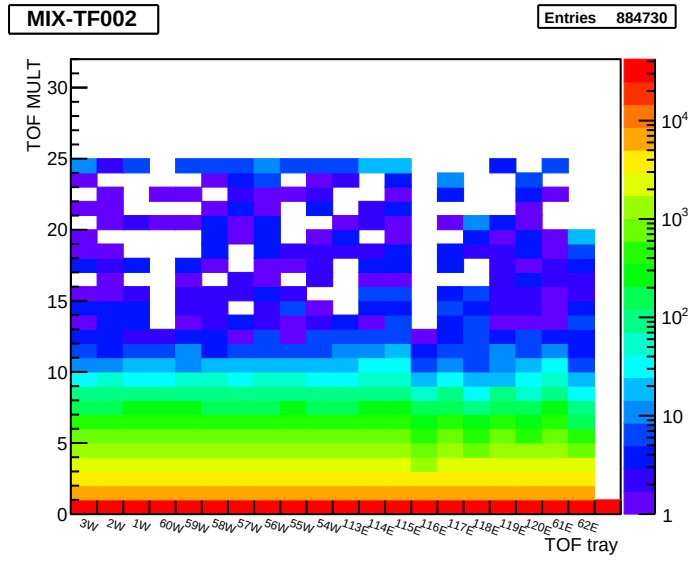

BunchId7Bit (EPD-TAC)
Entries 31228
0 20 40 60 80 100 120

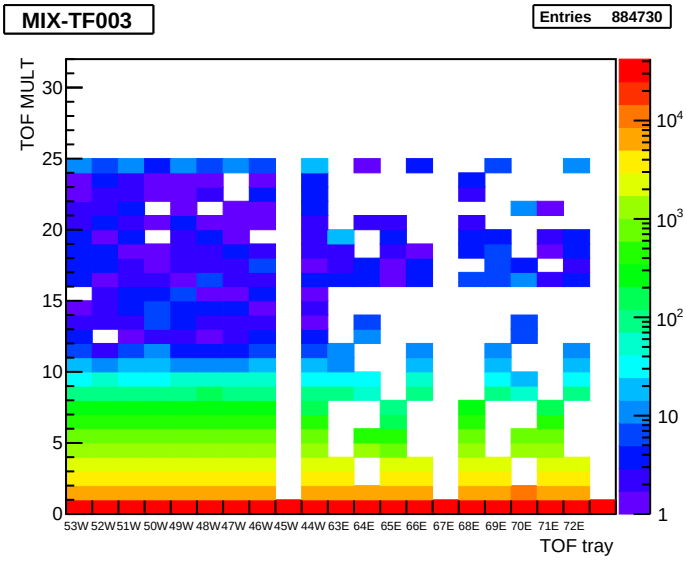

BunchId7Bit (BBC-TAC)
Entries 18417
10^2
0 20 40 60 80 100 120

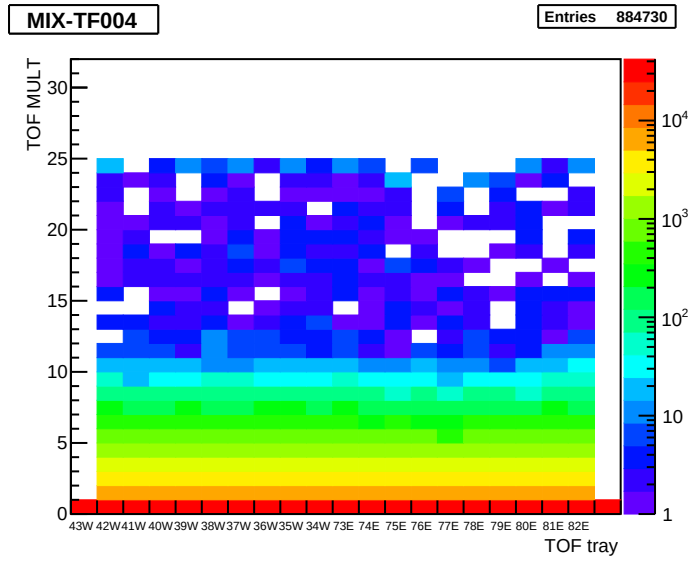

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

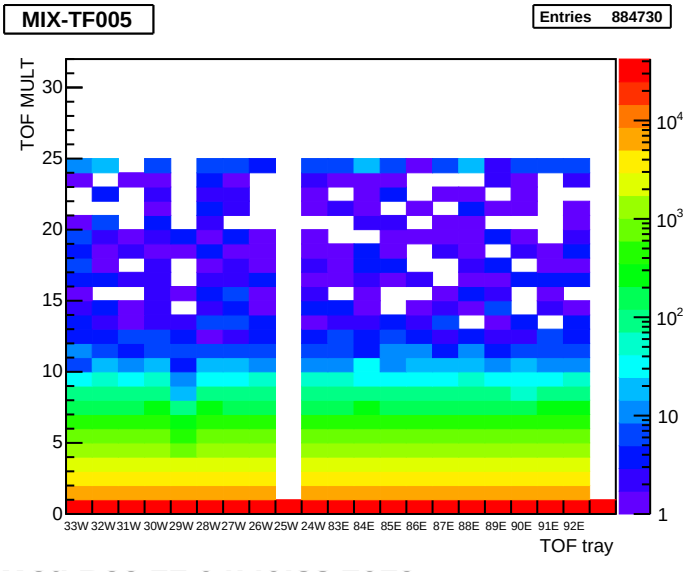

BunchId7Bit (TOFmult window)
Entries 1988
10
0 20 40 60 80 100 120

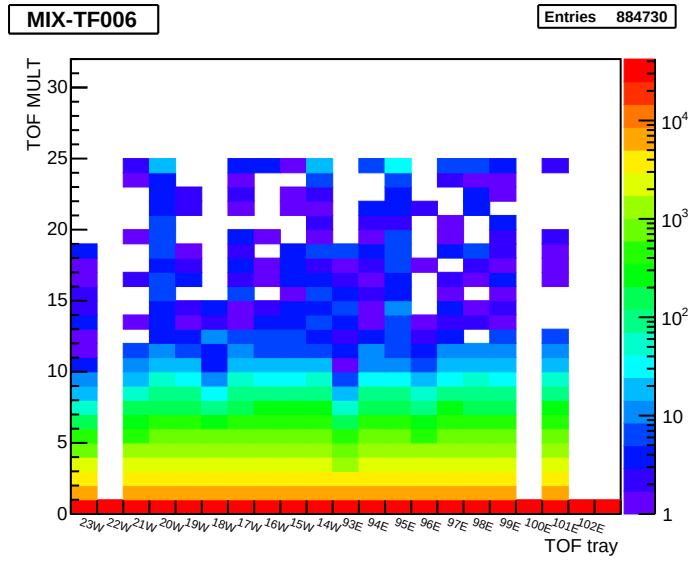

MIX-TF001
Entries 884730
TOF MULT
TOF tray

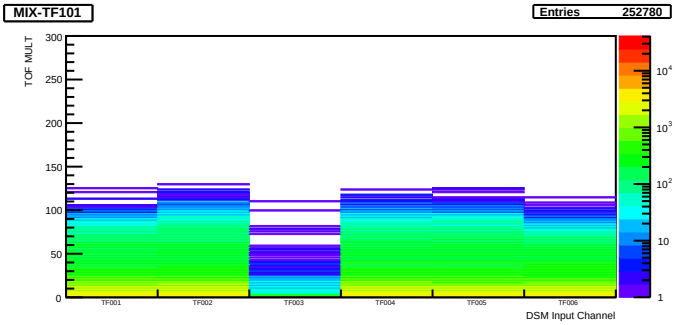

MIX-TF002
Entries 884730
TOF MULT
TOF tray

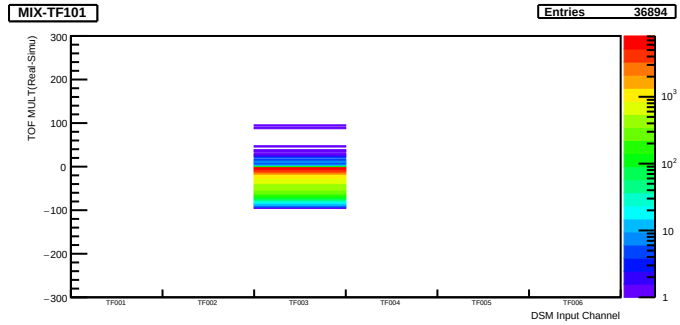

MIX-TF003
Entries 884730
TOF MULT
TOF tray

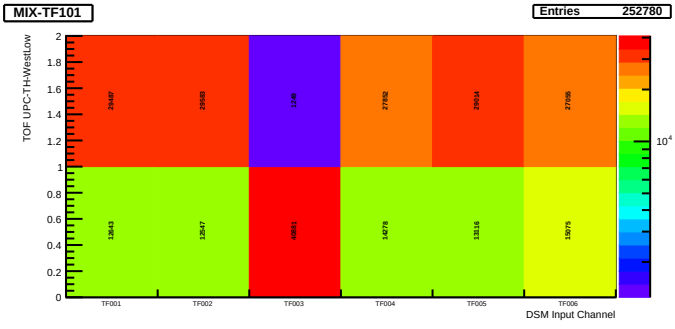

MIX-TF004
Entries 884730
TOF MULT
TOF tray

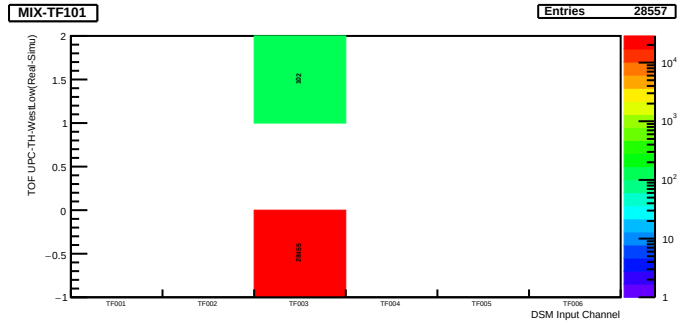

MIX-TF005
Entries 884730
TOF MULT
TOF tray

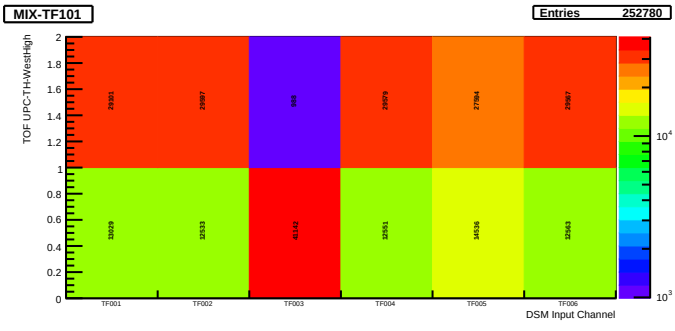

MIX-TF006
Entries 884730
TOF MULT
TOF tray

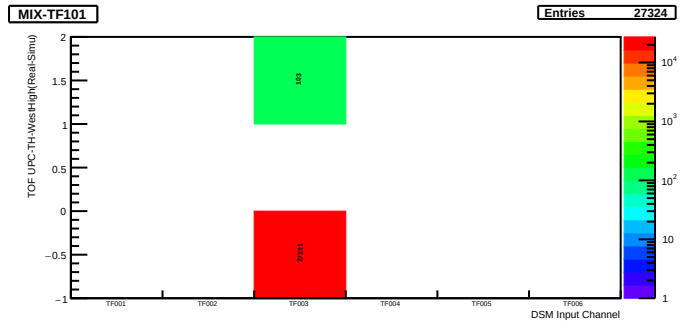

MIX-TF101
Entries 252780
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

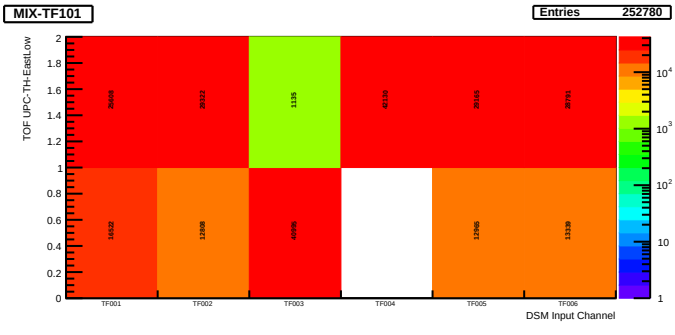

MIX-TF101
Entries 36894
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

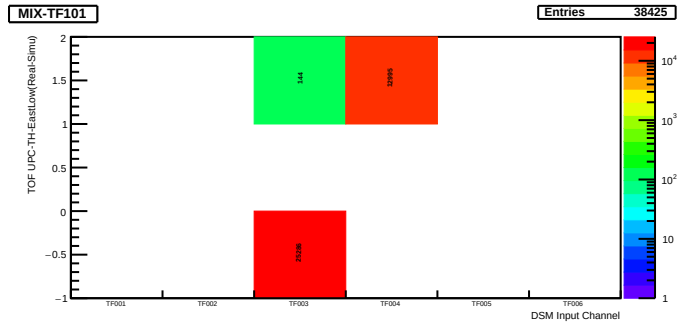

MIX-TF101
Entries 252780
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

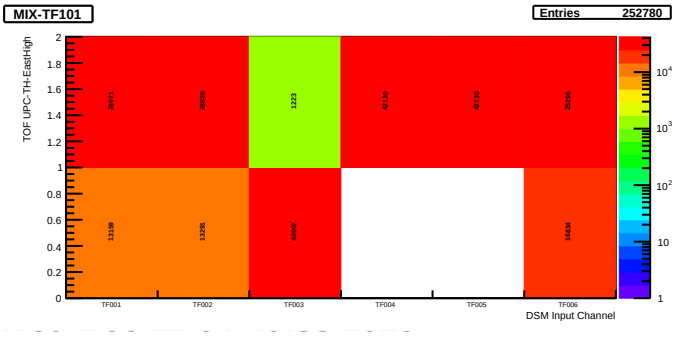

MIX-TF101
Entries 28557
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

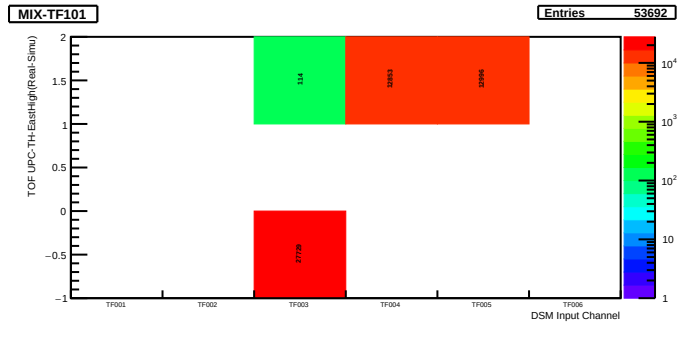

MIX-TF101
Entries 252780
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

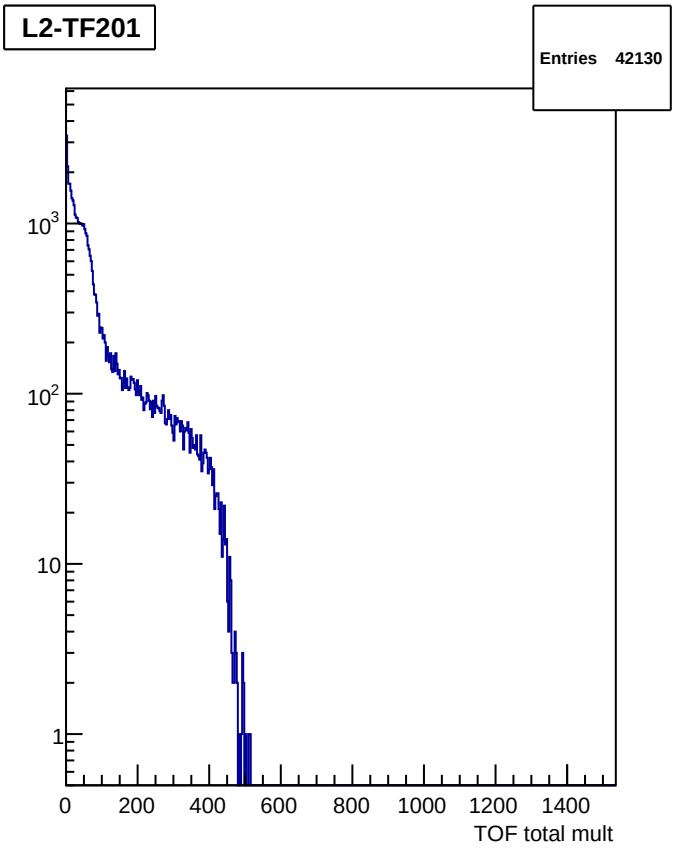

MIX-TF101
Entries 27324
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

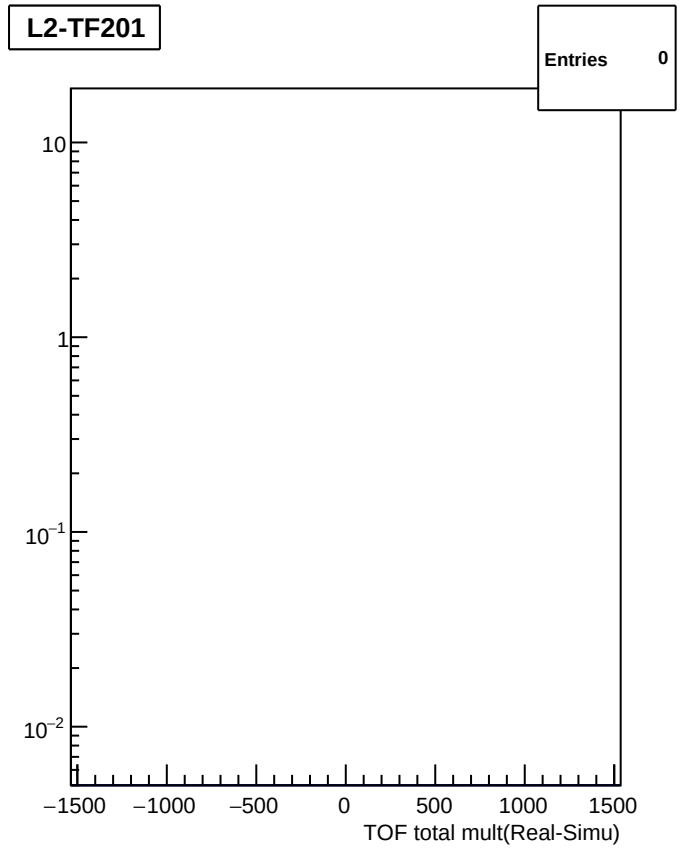

MIX-TF101
Entries 252780
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

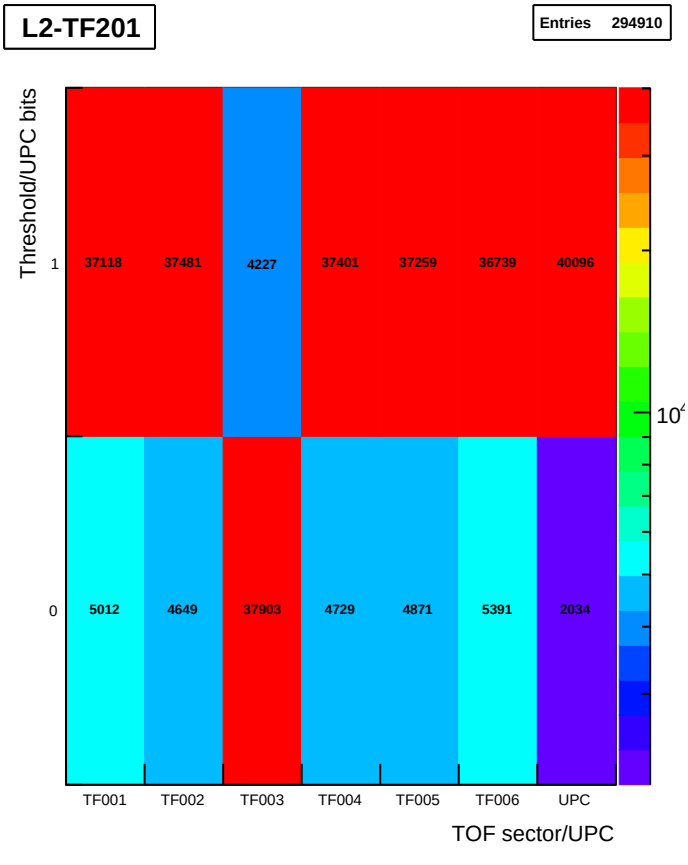

MIX-TF101
Entries 38425
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

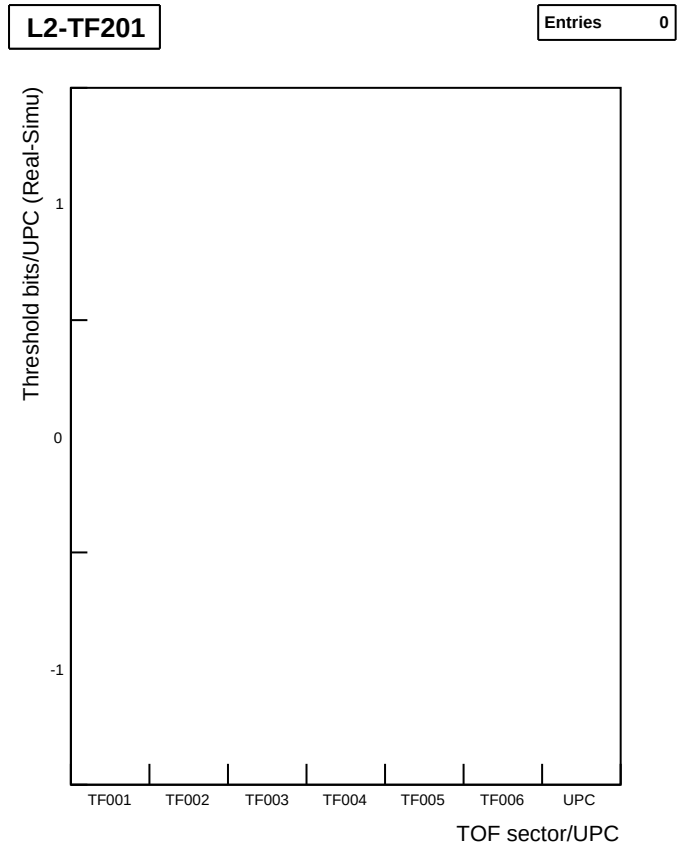

MIX-TF101
Entries 252780
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

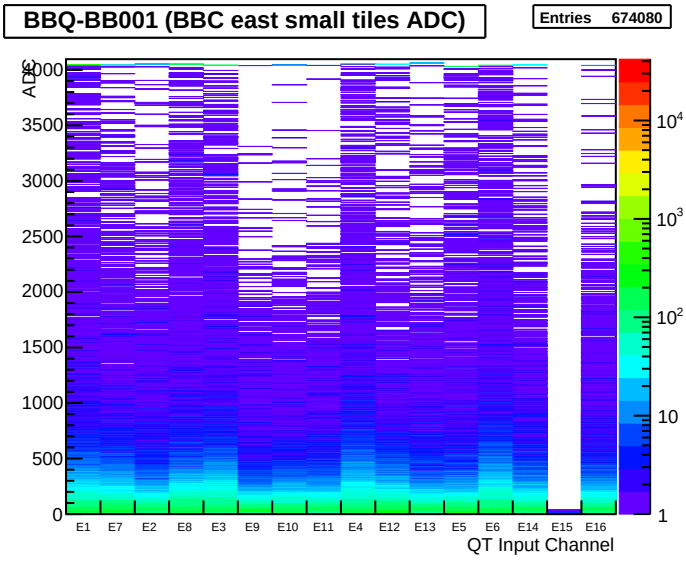

MIX-TF101
Entries 53692
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

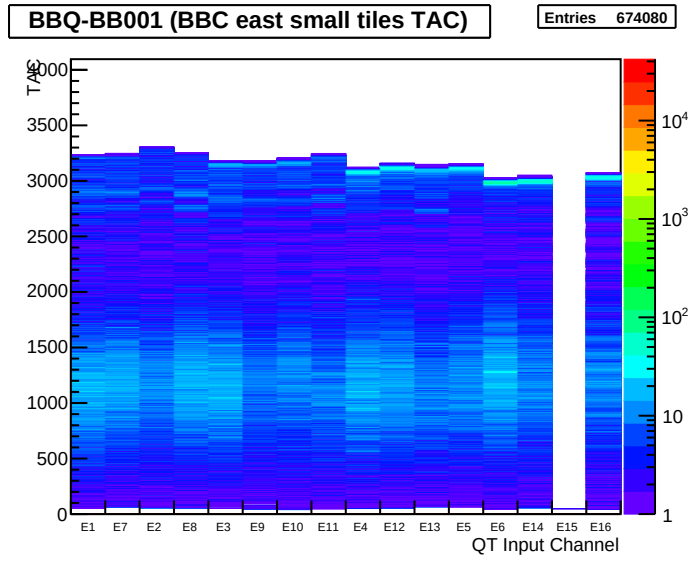

L2-TF201
Entries 42130
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

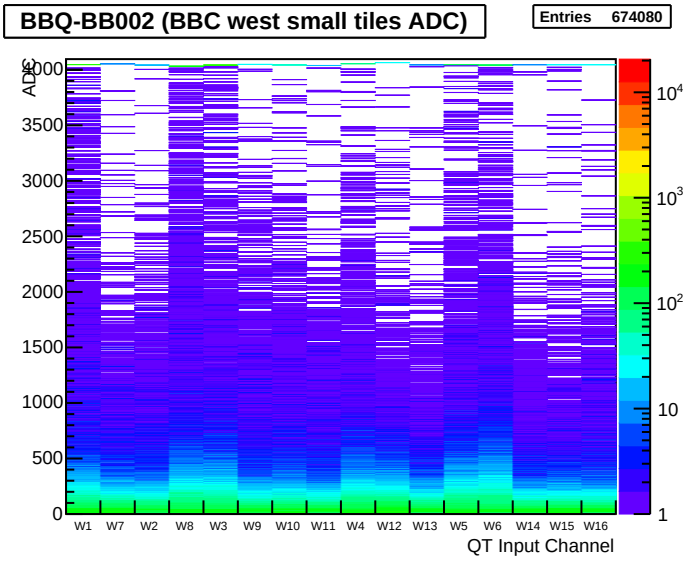

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

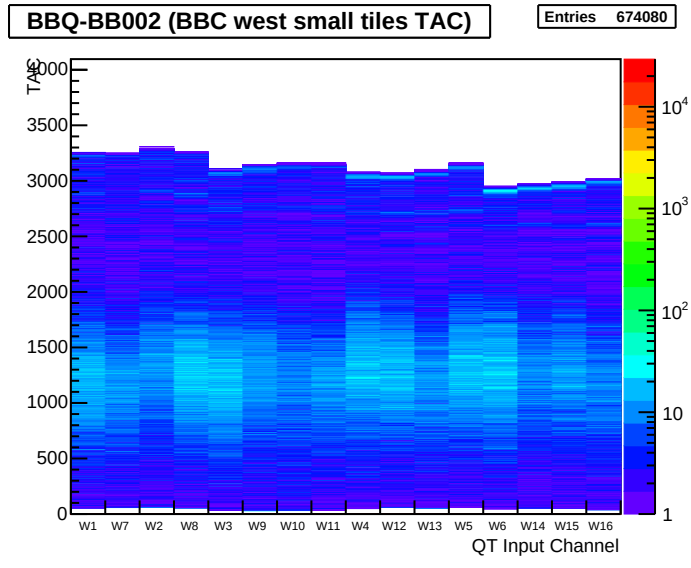

L2-TF201
Entries 294910
Threshold/UPC bits
1
0
37118
37481
4227
37401
37259
36739
40096
5012
4649
37903
4729
4871
5391
2034
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

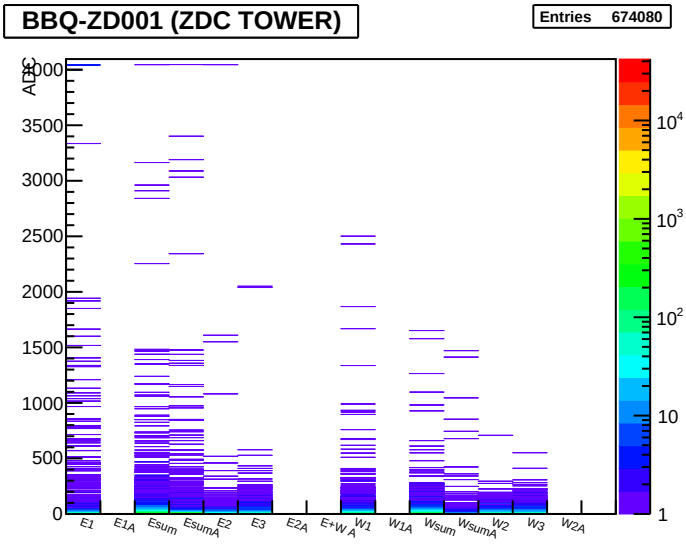

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

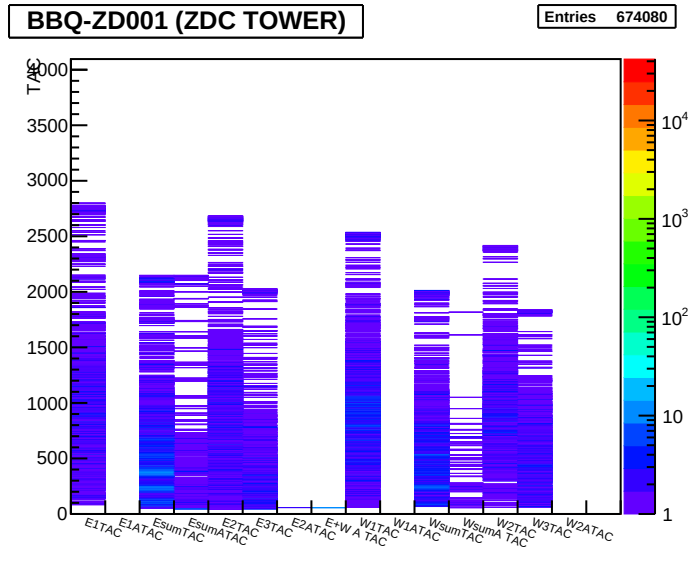

BBQ-BB001 (BBC east small tiles ADC)
Entries 674080
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

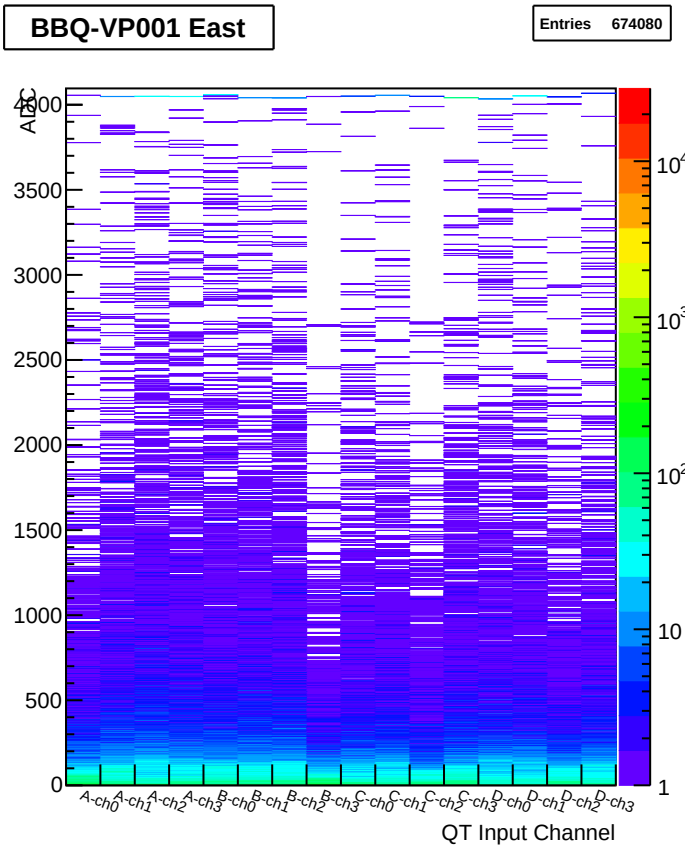

BBQ-BB001 (BBC east small tiles TAC)
Entries 674080
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

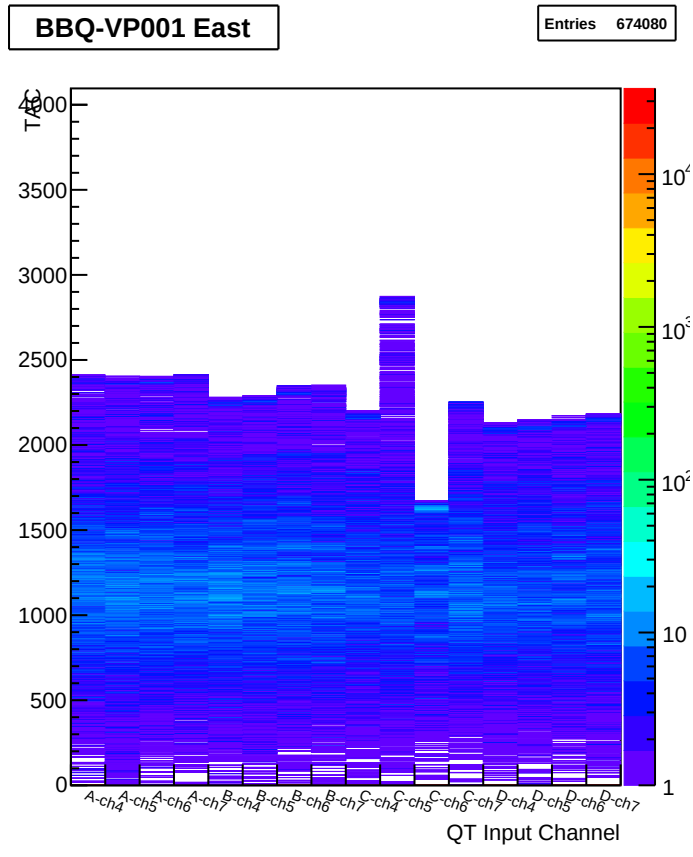

BBQ-BB002 (BBC west small tiles ADC)
Entries 674080
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

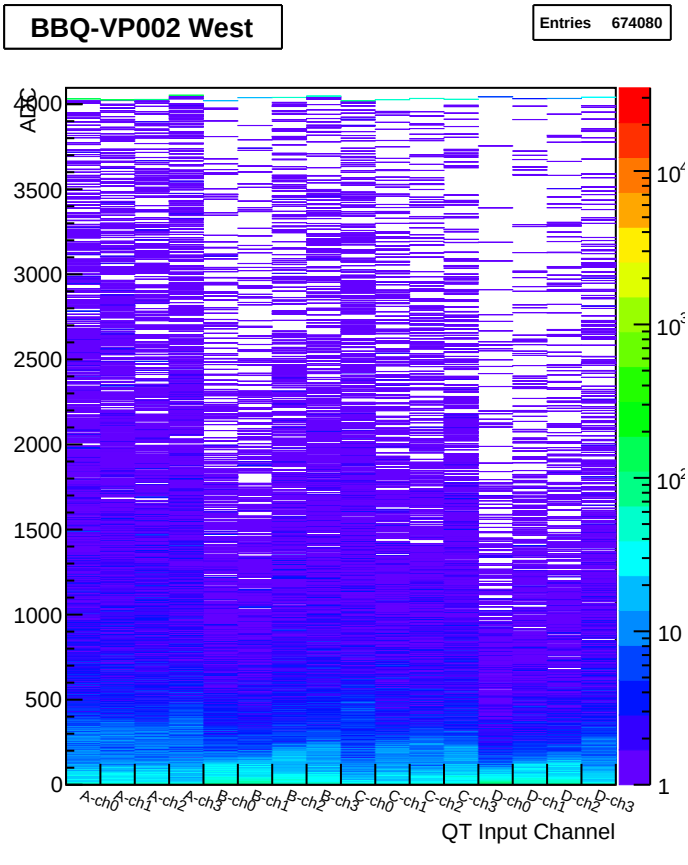

BBQ-BB002 (BBC west small tiles TAC)
Entries 674080
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

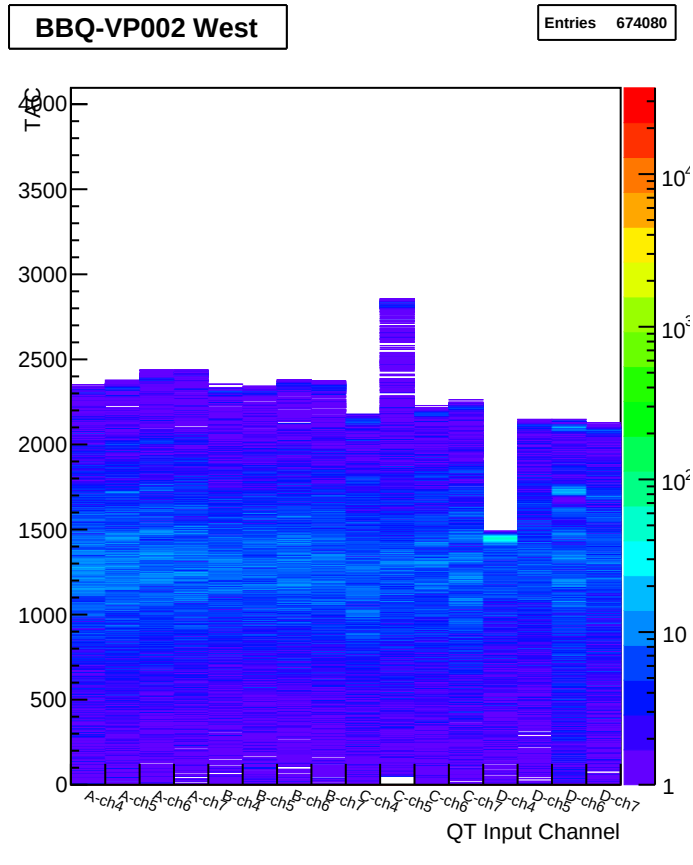

BBQ-ZD001 (ZDC TOWER)
Entries 674080
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

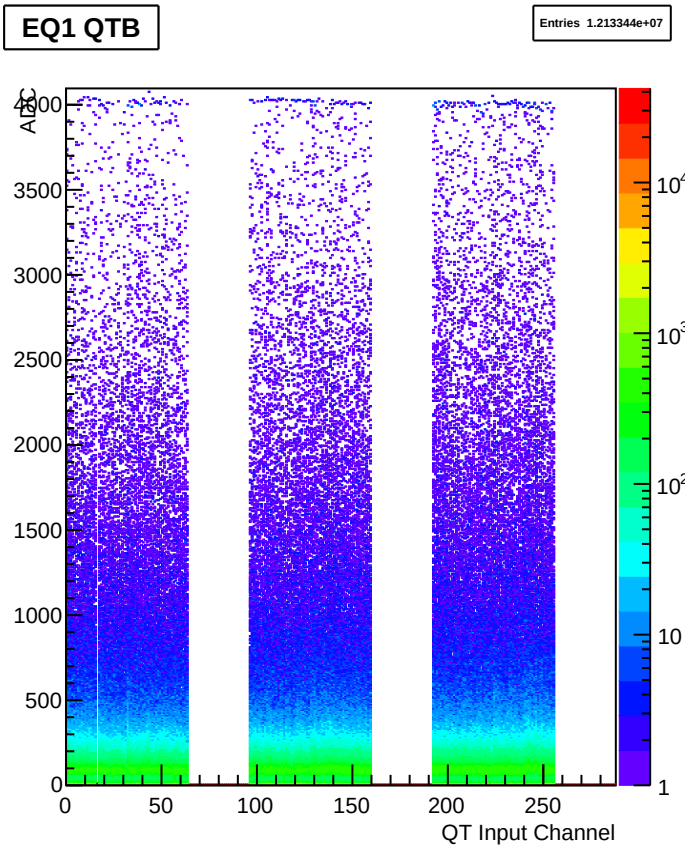

BBQ-ZD001 (ZDC TOWER)
Entries 674080
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

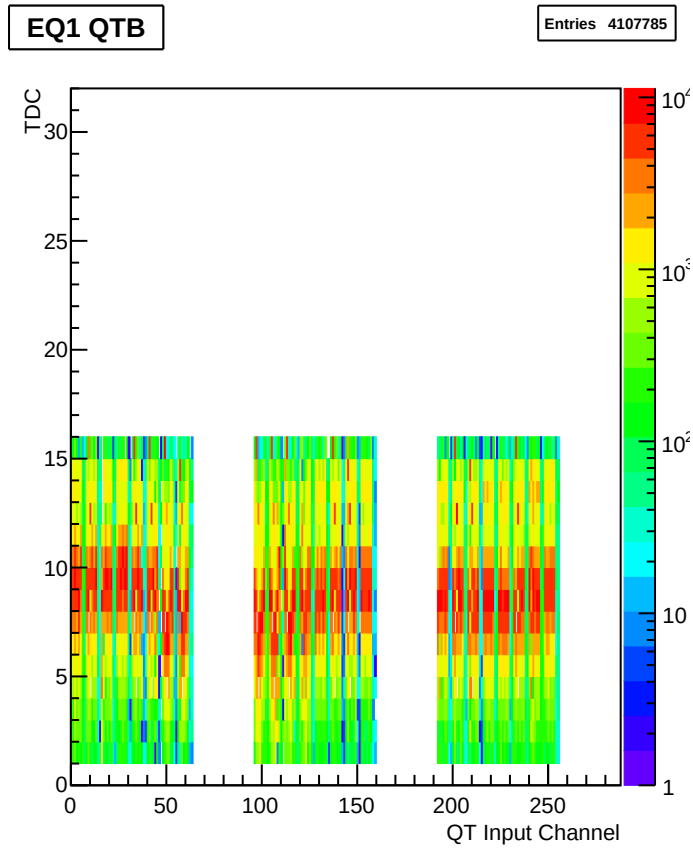

BBQ-VP001 East
Entries 674080
ADC
QT Input Channel

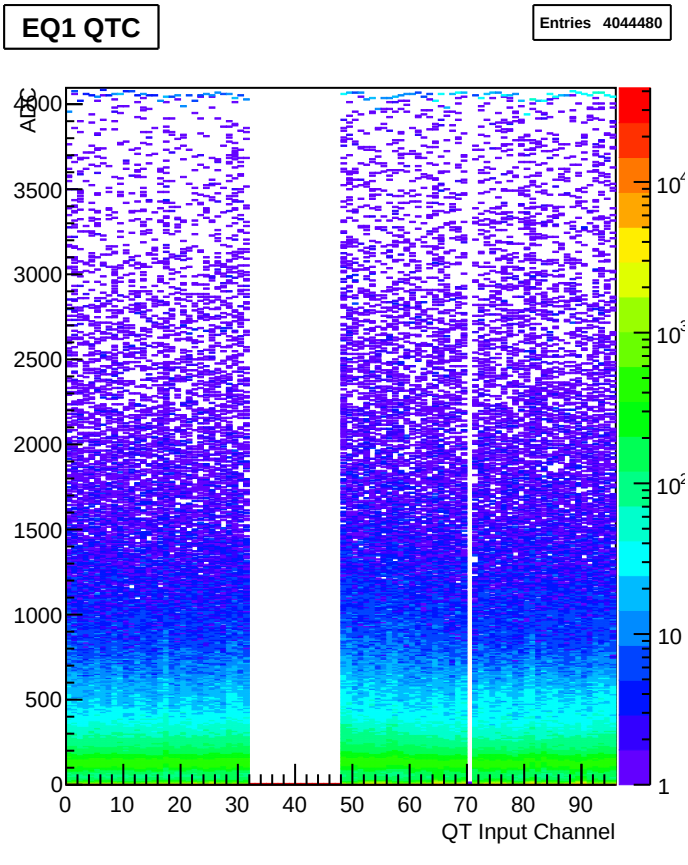

BBQ-VP001 East
Entries 674080
TADC
QT Input Channel

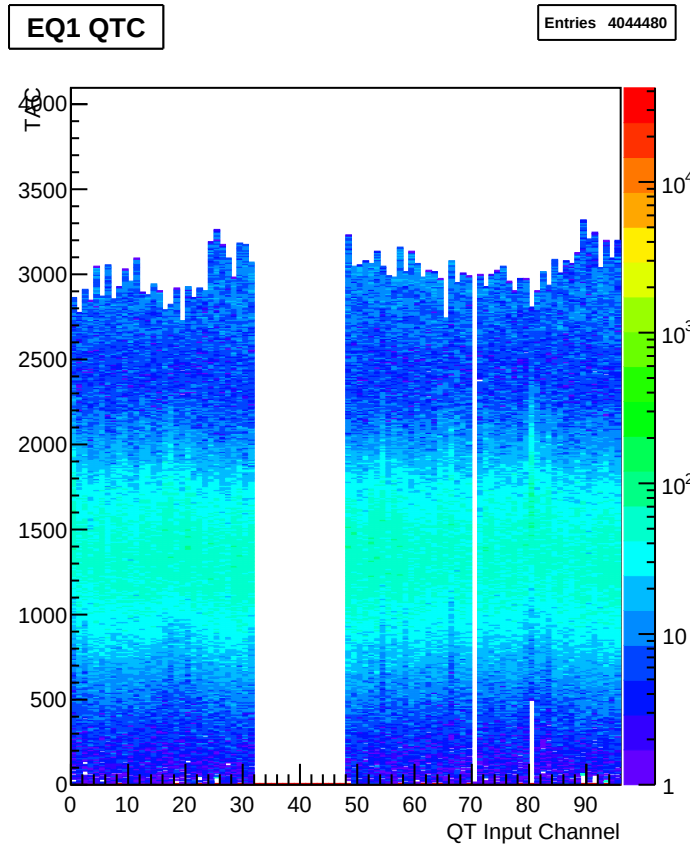

BBQ-VP002 West
Entries 674080
ADC
QT Input Channel

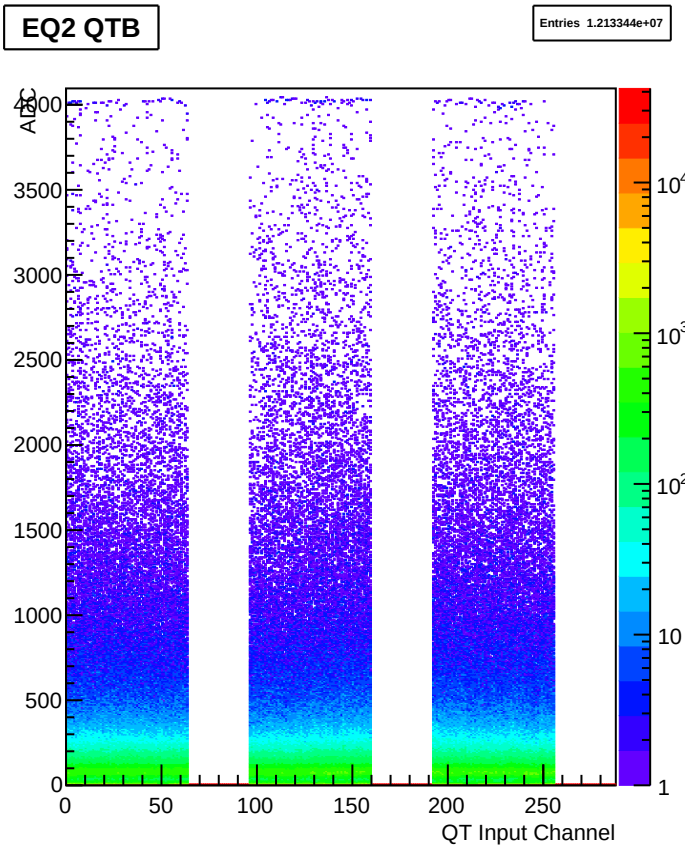

BBQ-VP002 West
Entries 674080
TADC
QT Input Channel

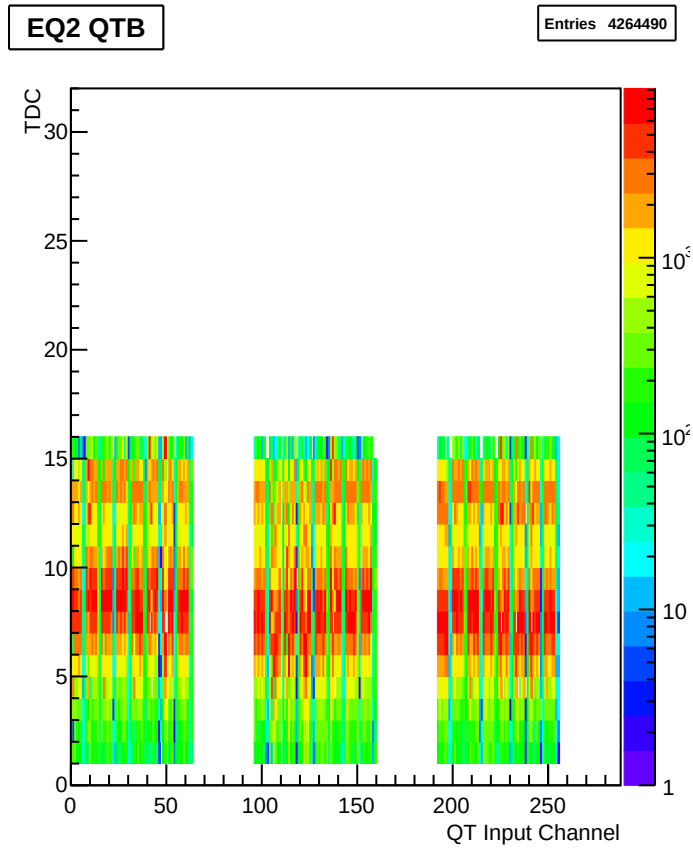

EQ1 QTB
Entries 1.213344e+07
ADC
QT Input Channel

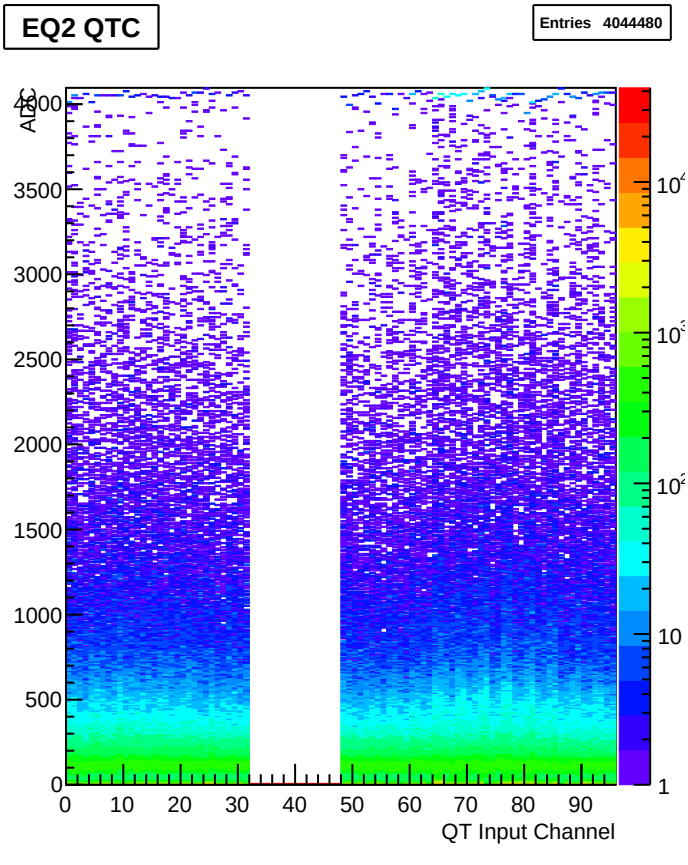

EQ1 QTB
Entries 4107785
TDC
QT Input Channel

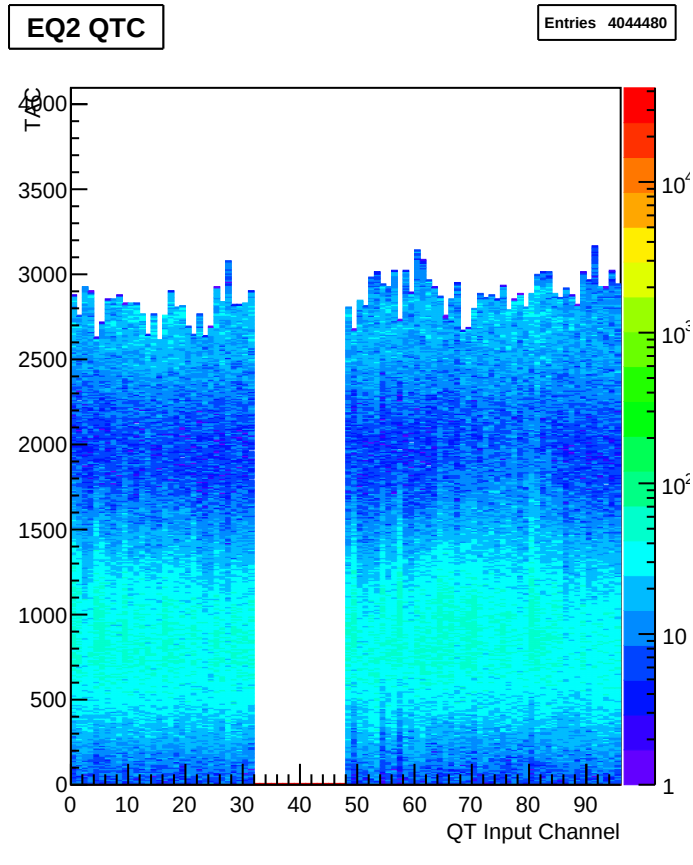

EQ1 QTC
Entries 4044480
ADC
QT Input Channel

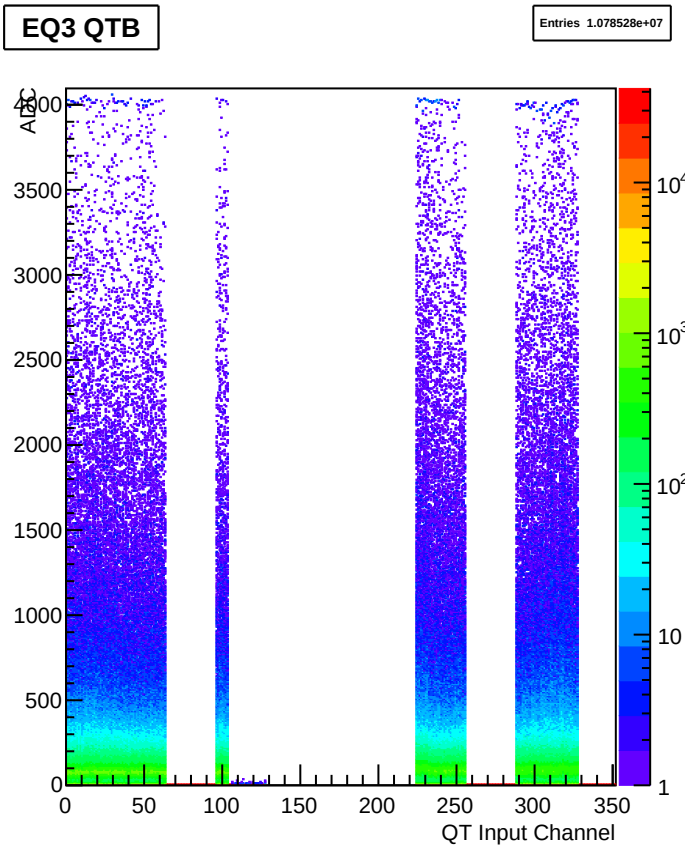

EQ1 QTC
Entries 4044480
TADC
QT Input Channel

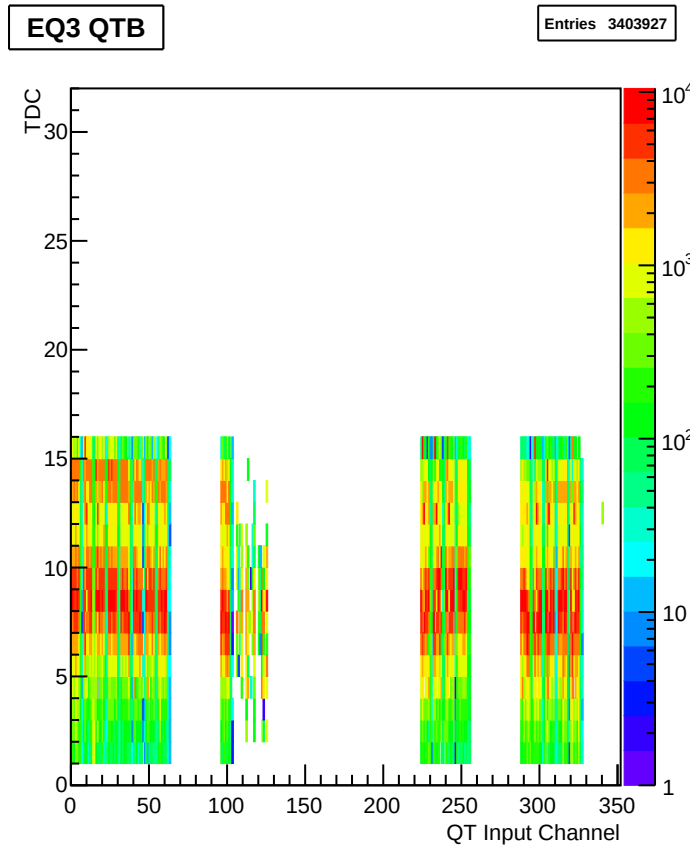

EQ2 QTB
Entries 1.213344e+07
ADC
QT Input Channel

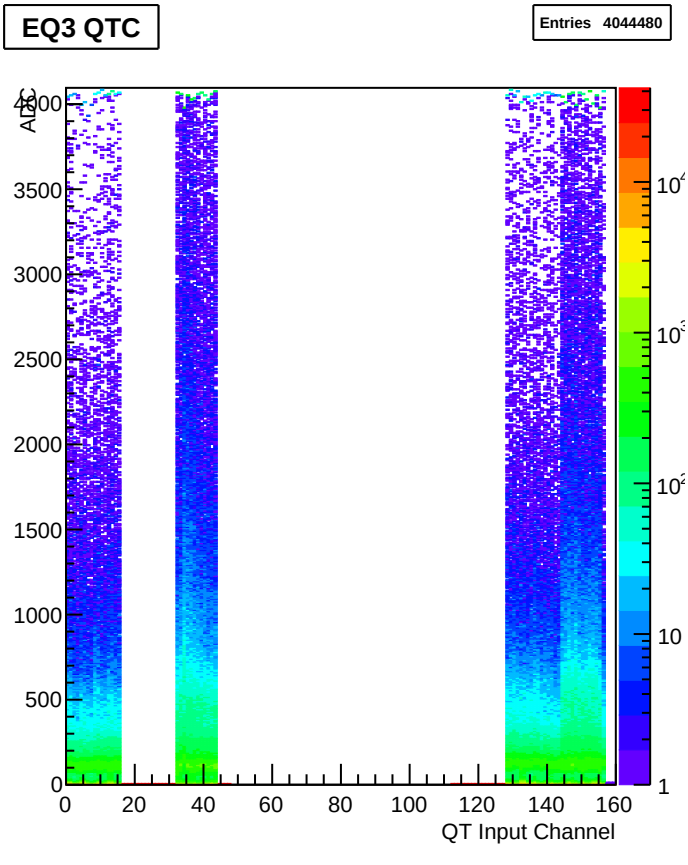

EQ2 QTB
Entries 4264490
TDC
QT Input Channel

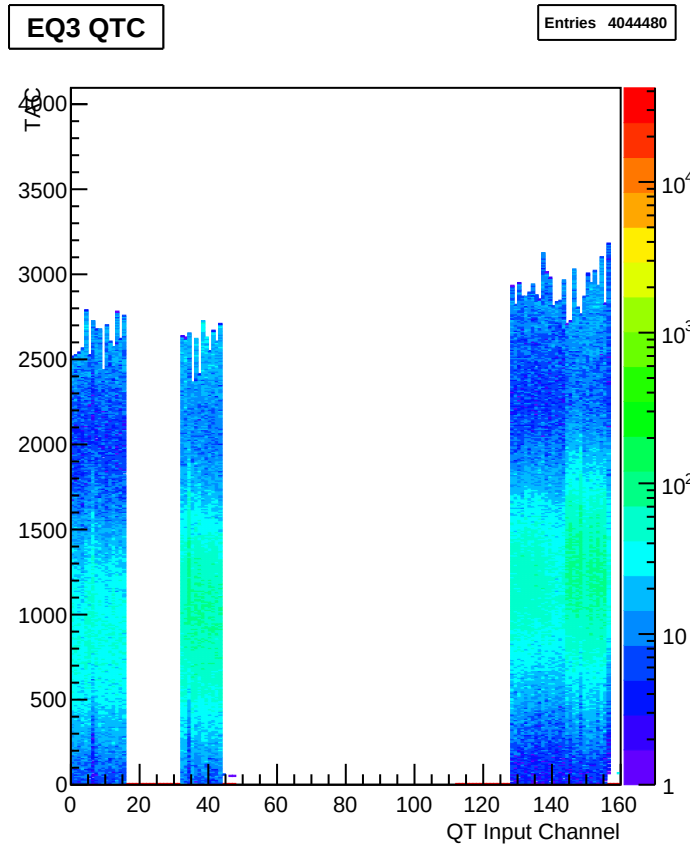

EQ2 QTC
Entries 4044480
ADC
QT Input Channel

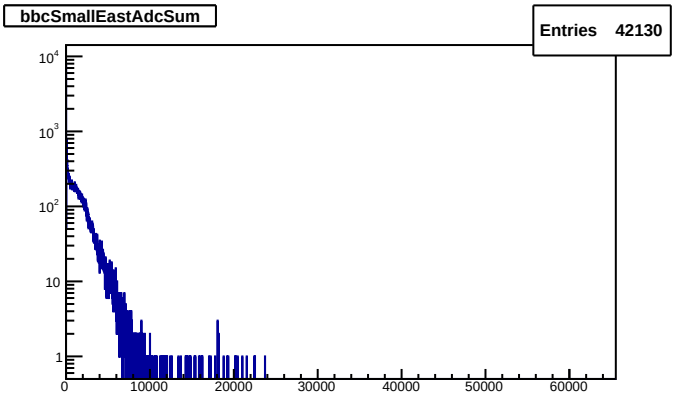

EQ2 QTC
Entries 4044480
TADC
QT Input Channel

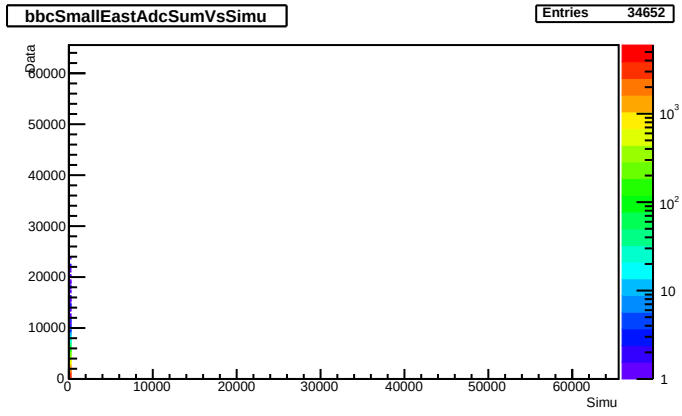

EQ3 QTB
Entries 1.078528e+07
ADC
QT Input Channel

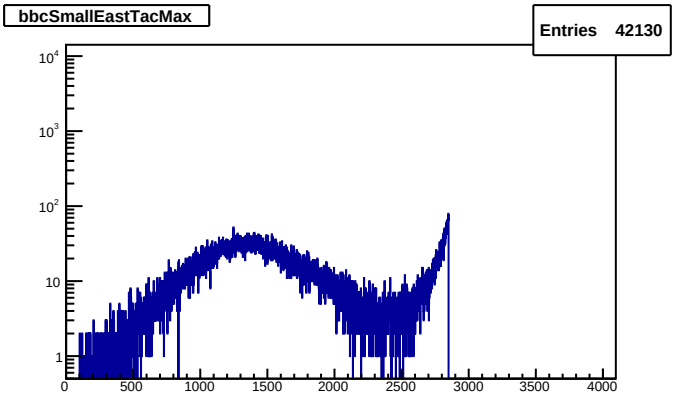

EQ3 QTB
Entries 3403927
TDC
QT Input Channel

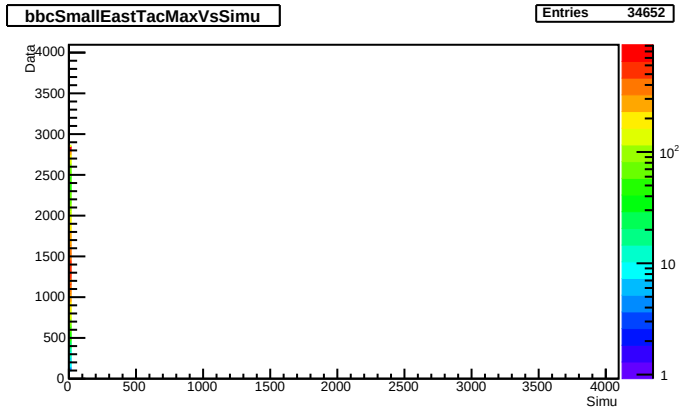

EQ3 QTC
Entries 4044480
ADC
QT Input Channel

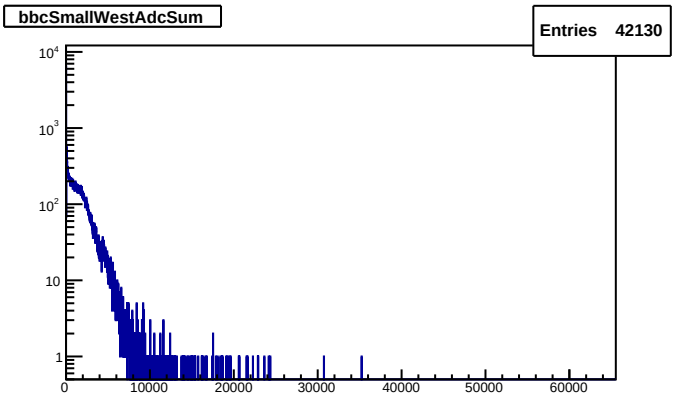

EQ3 QTC
Entries 4044480
TADC
QT Input Channel

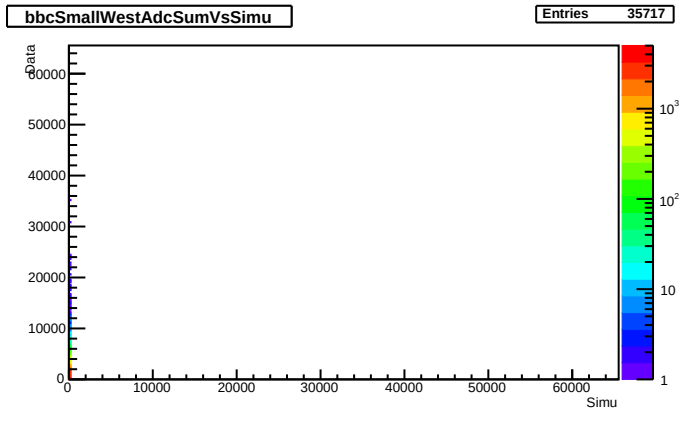

bbcSmallEastAdcSum
Entries 42130

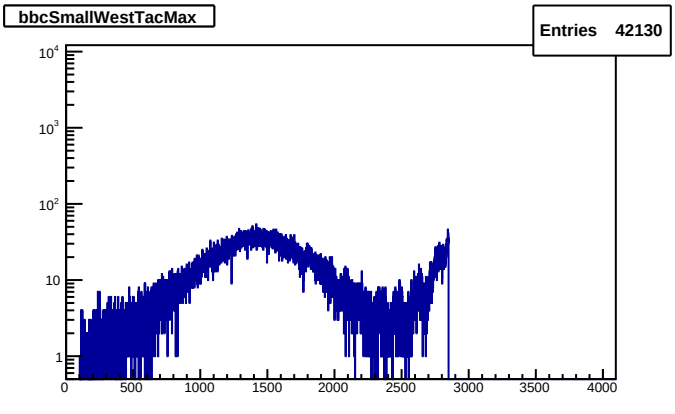

bbcSmallEastAdcSumVsSimu
Entries 34652
Data
Simu

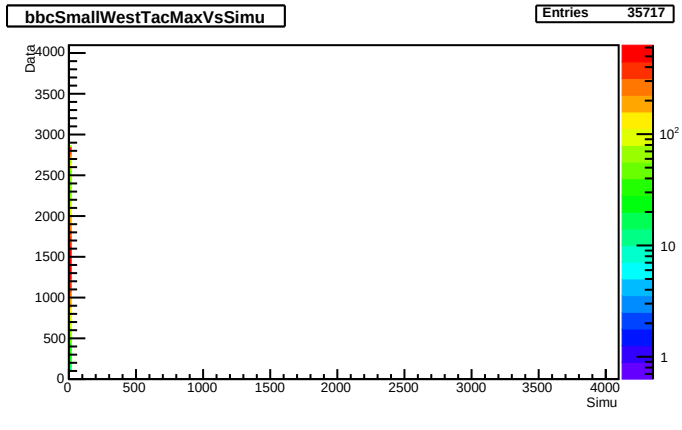

bbcSmallEastTacMax
Entries 42130

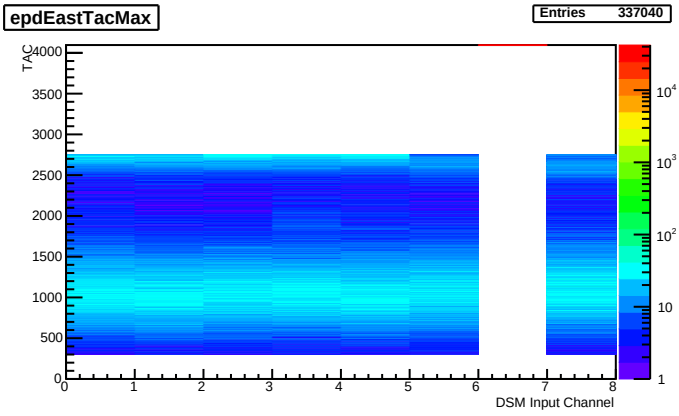

bbcSmallEastTacMaxVsSimu
Entries 34652
Data
Simu

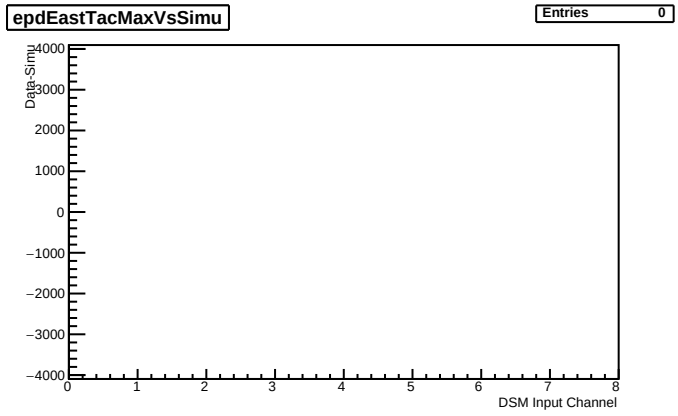

bbcSmallWestAdcSum
Entries 42130

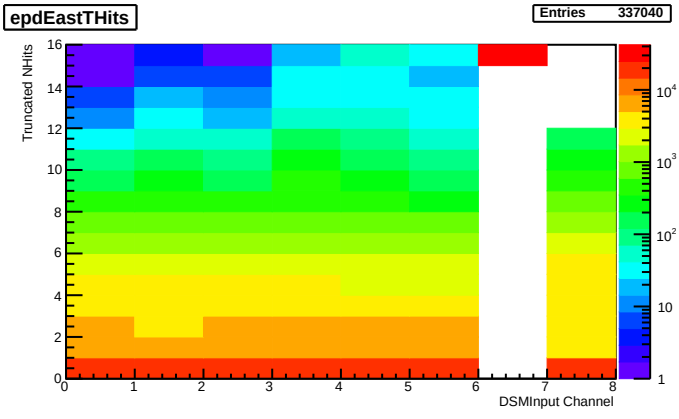

bbcSmallWestAdcSumVsSimu
Entries 35717
Data
Simu

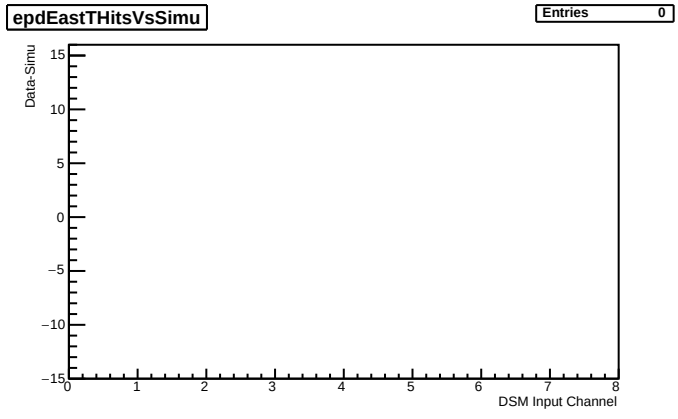

bbcSmallWestTacMax
Entries 42130


bbcSmallWestTacMaxVsSimu
Entries 35717
Data
Simu


epdEastTacMax
Entries 337040
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 337040
Truncated NHits
DSMInput Channel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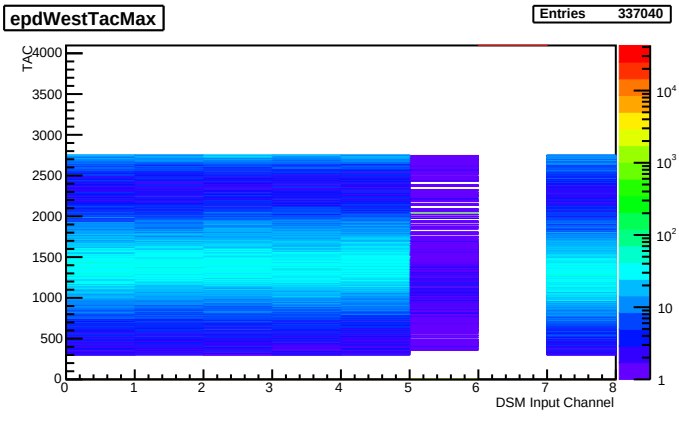
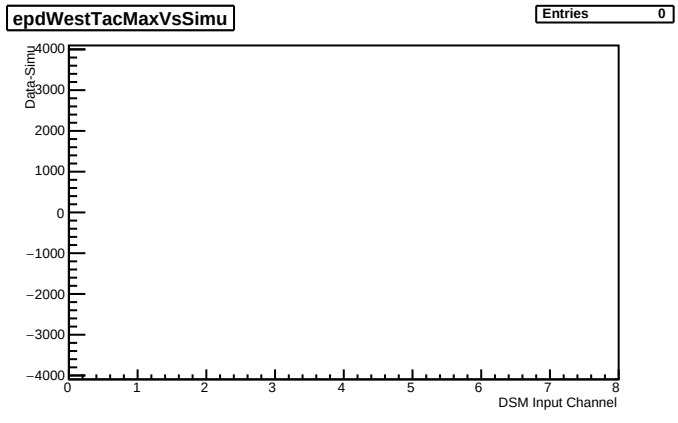
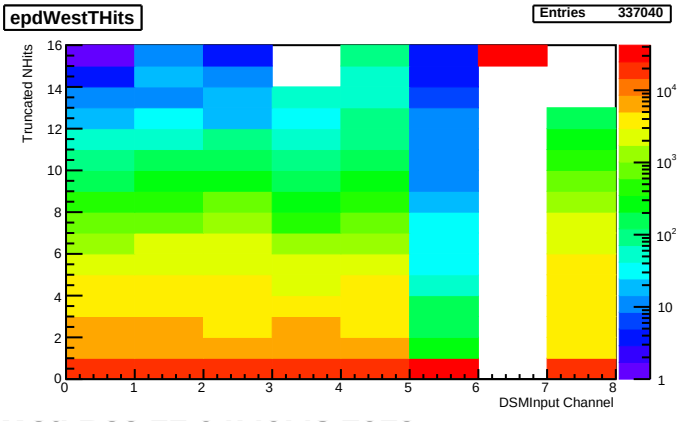
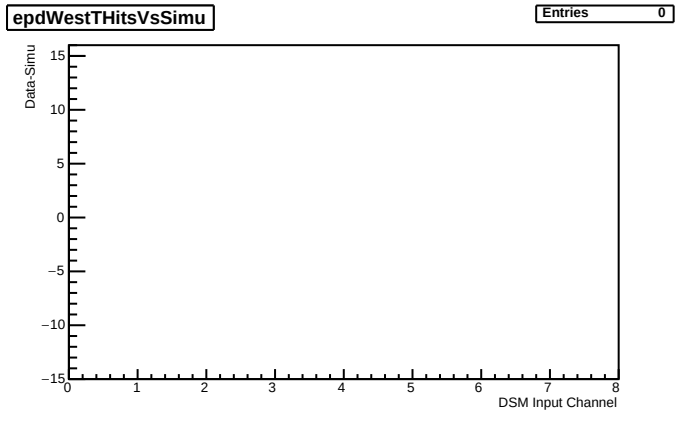
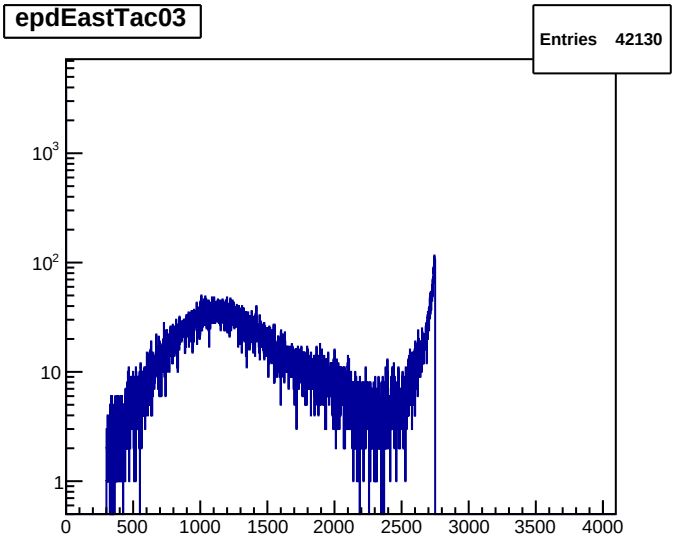
Data-Simu
DSM Input Channel

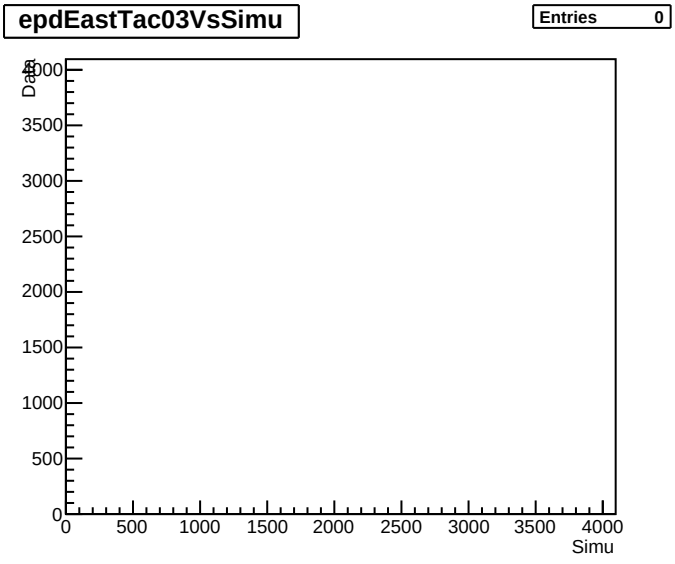

epdWestTacMax
Entries 337040
TAC
DSM Input Channel

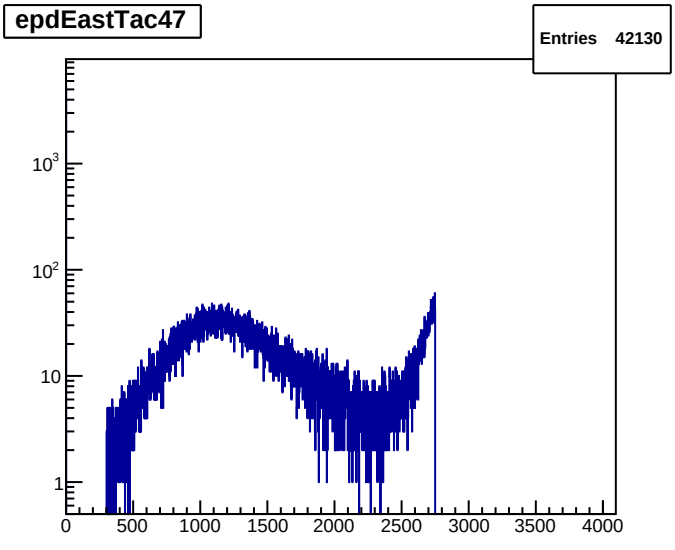

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

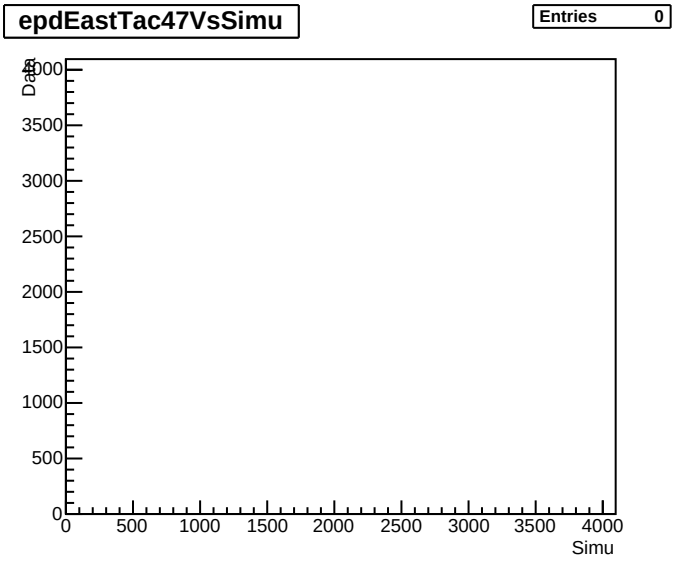

epdWestTHits
Entries 337040
Truncated NHits
DSMInput Channel

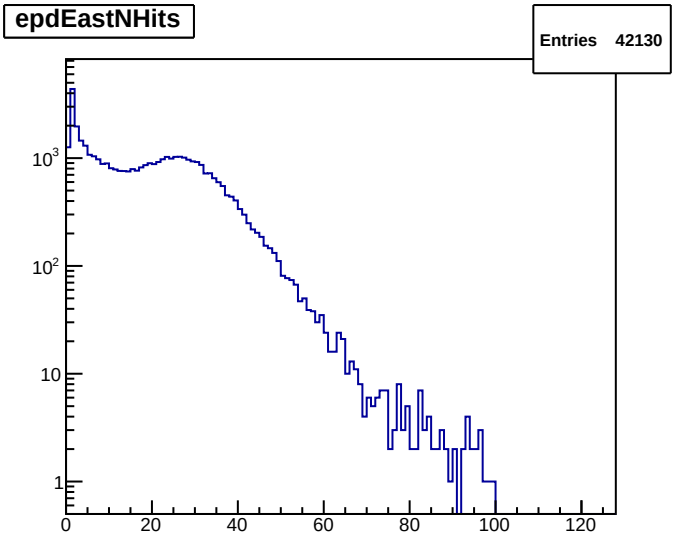

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

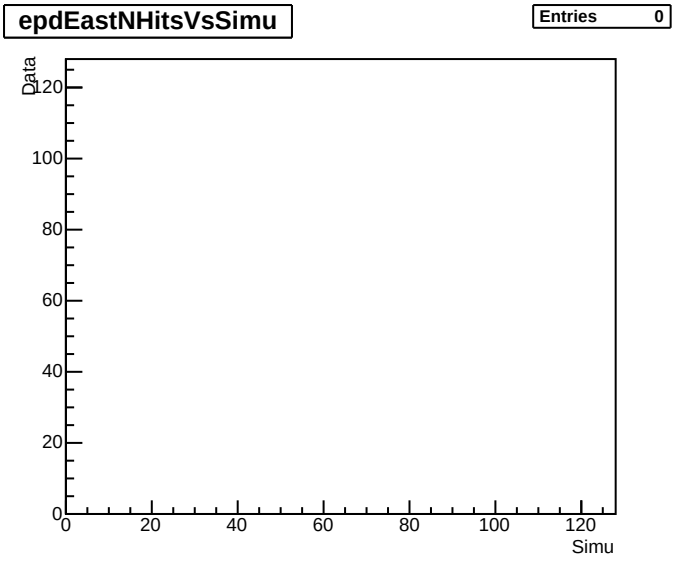

epdEastTac03
Entries 42130
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

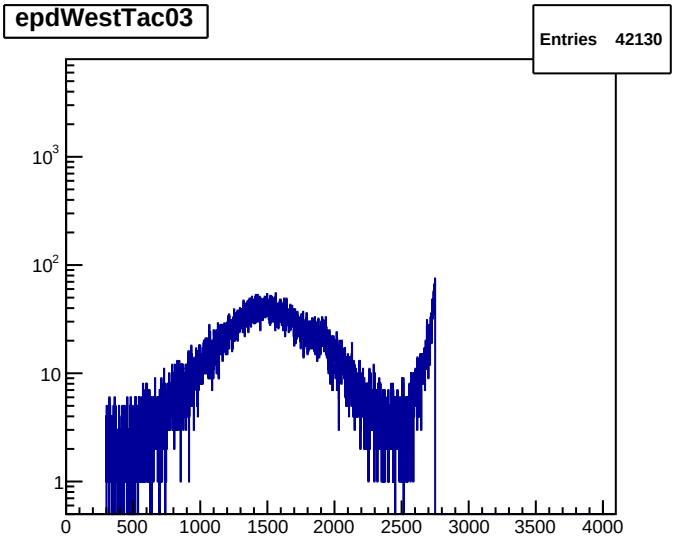

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

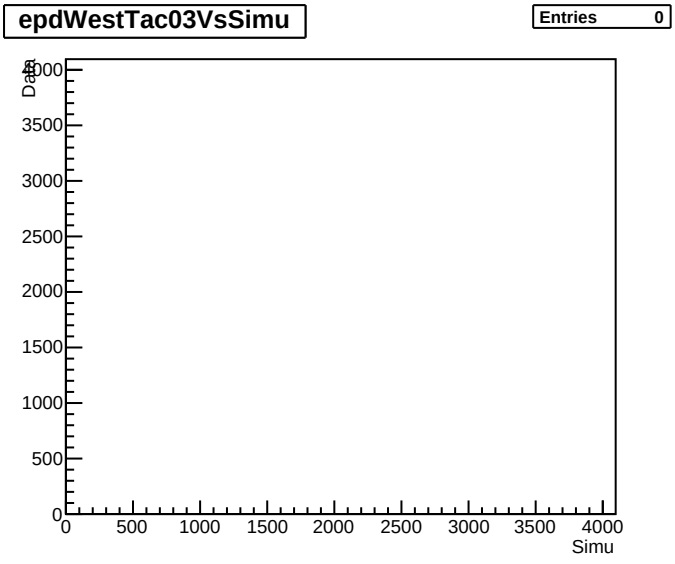

epdEastTac47
Entries 42130
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

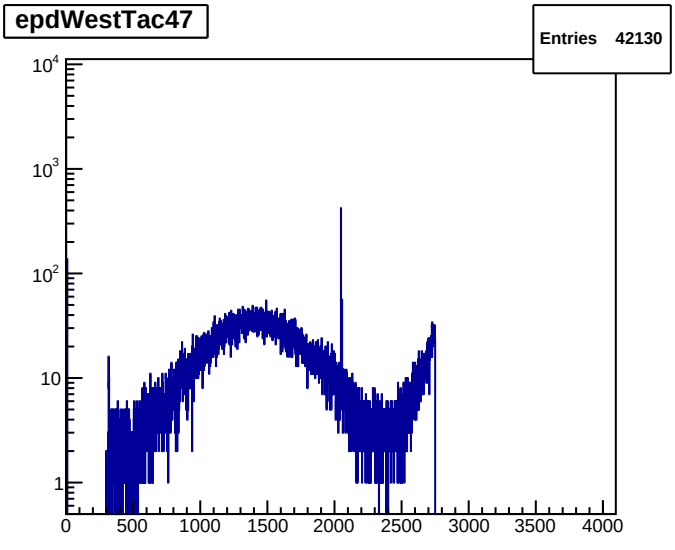

epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

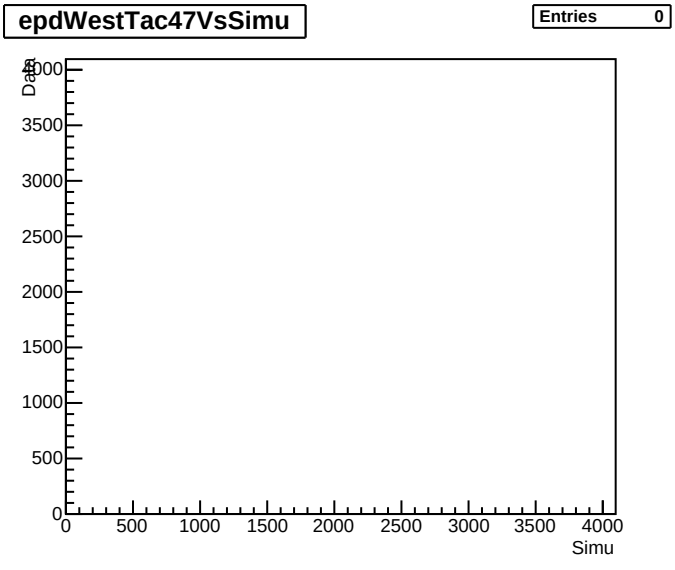

epdEastNHits
Entries 42130
10^3
10^2
10
1
0 20 40 60 80 100 120

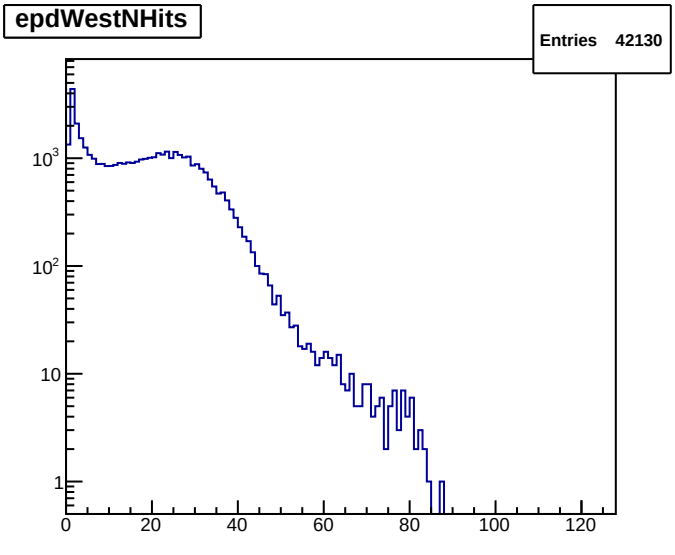

epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

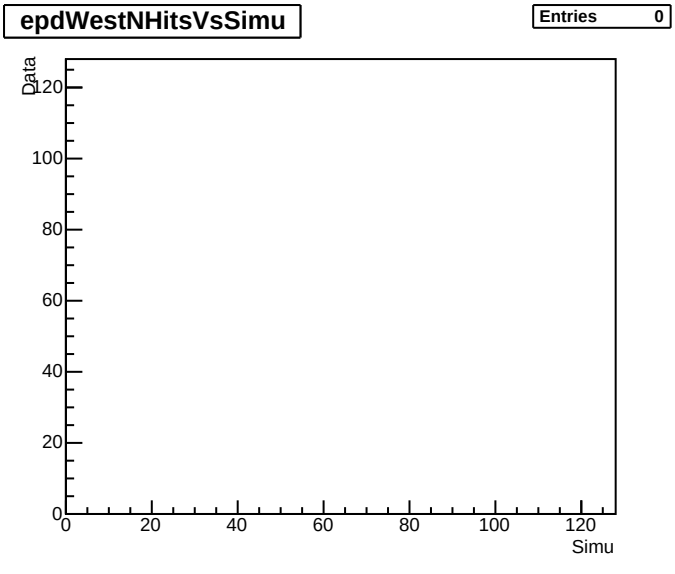

epdWestTac03
Entries 42130

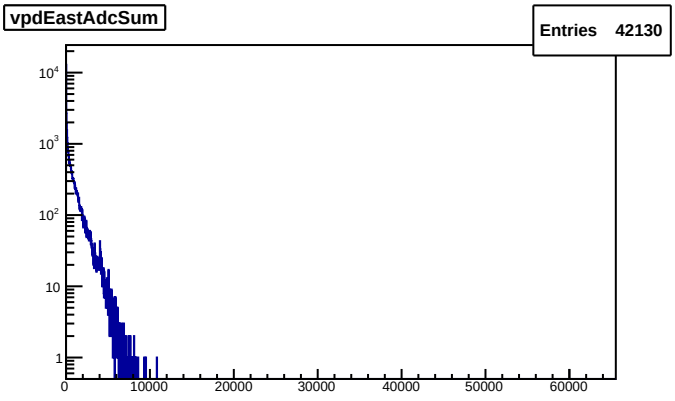

epdWestTac03VsSimu
Entries 0
Data
Simu

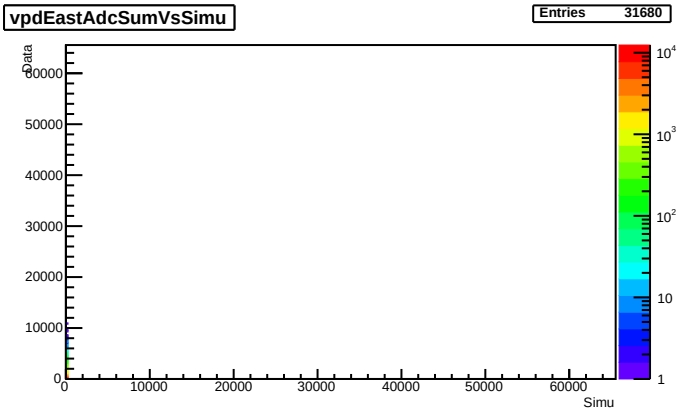

epdWestTac47
Entries 42130

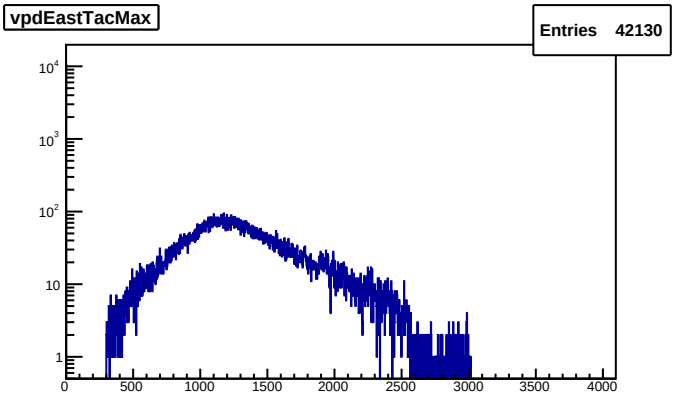

epdWestTac47VsSimu
Entries 0
Data
Simu

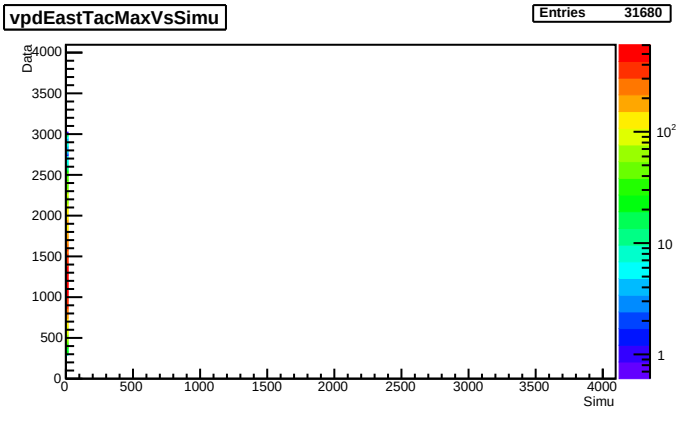

epdWestNHits
Entries 42130

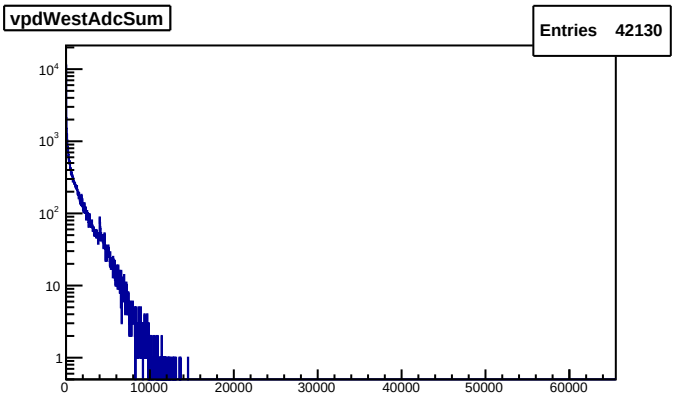

epdWestNHitsVsSimu
Entries 0
Data
Simu

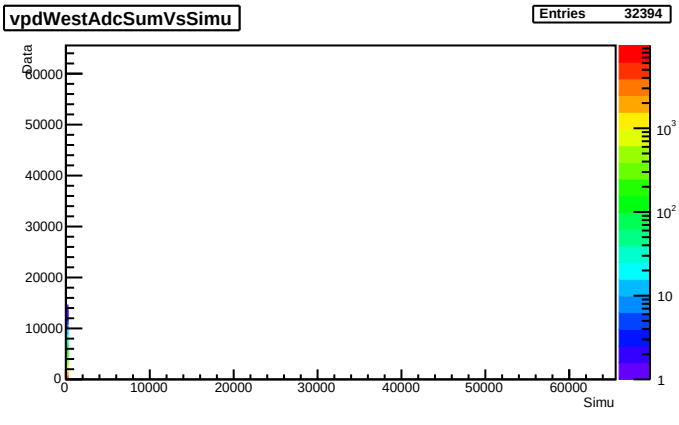

vpdEastAdcSum
Entries 42130

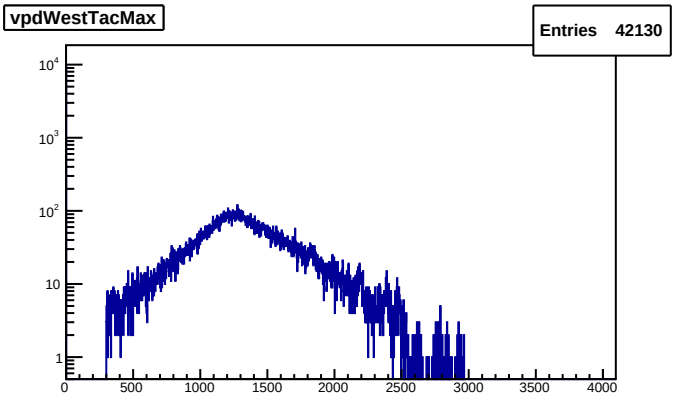

vpdEastAdcSumVsSimu
Entries 31680
Data
Simu

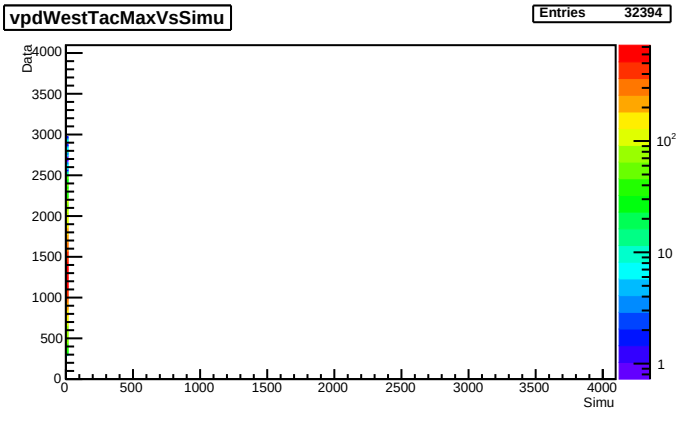

vpdEastTacMax
Entries 42130

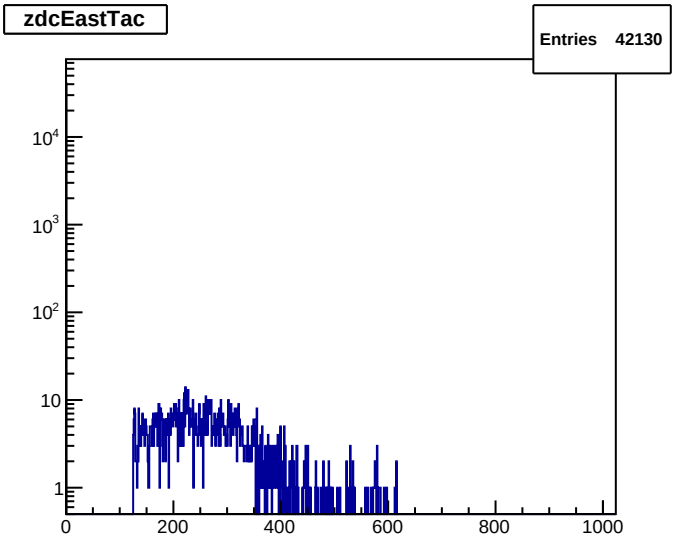

vpdEastTacMaxVsSimu
Entries 31680
Data
Simu

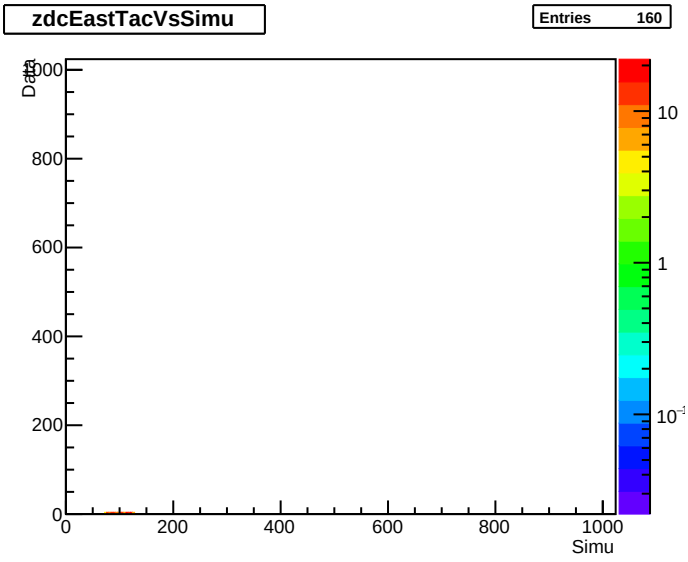

vpdWestAdcSum
Entries 42130

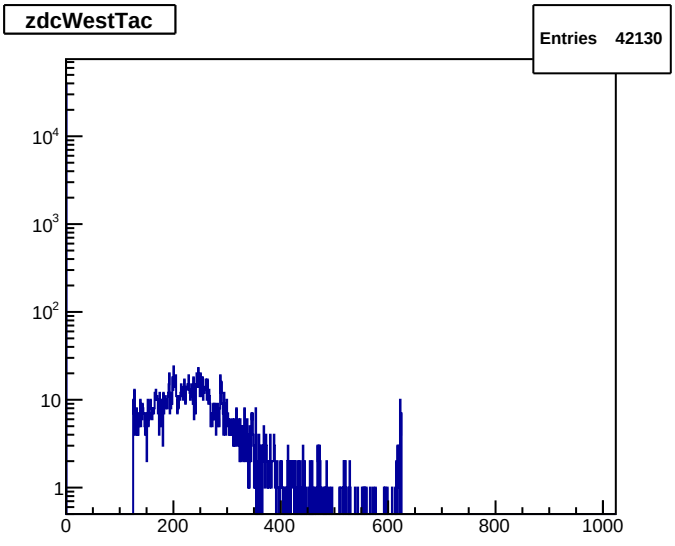

vpdWestAdcSumVsSimu
Entries 32394
Data
Simu

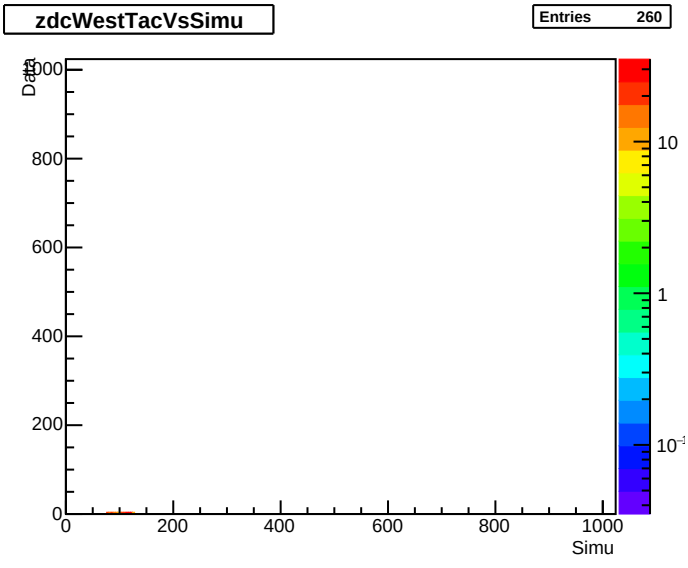

vpdWestTacMax
Entries 42130

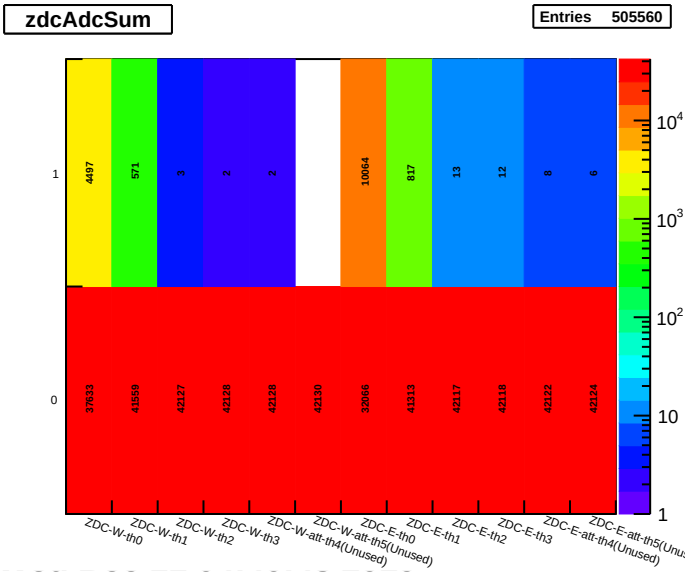

vpdWestTacMaxVsSimu
Entries 32394
Data
Simu

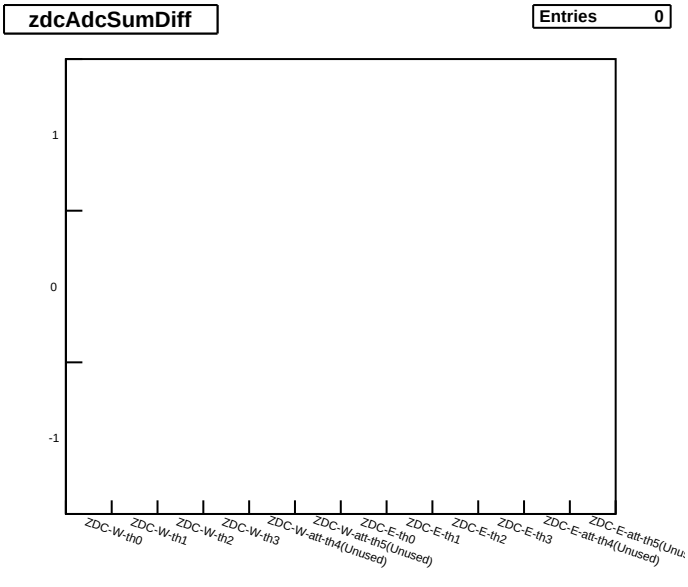

zdcEastTac
Entries 42130

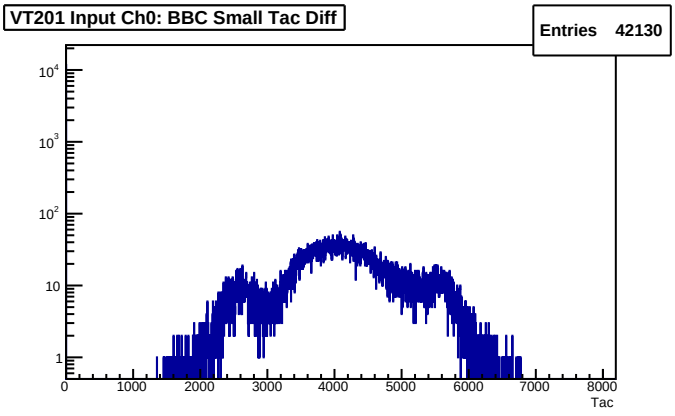

zdcEastTacVsSimu
Entries 160
Data
Simu

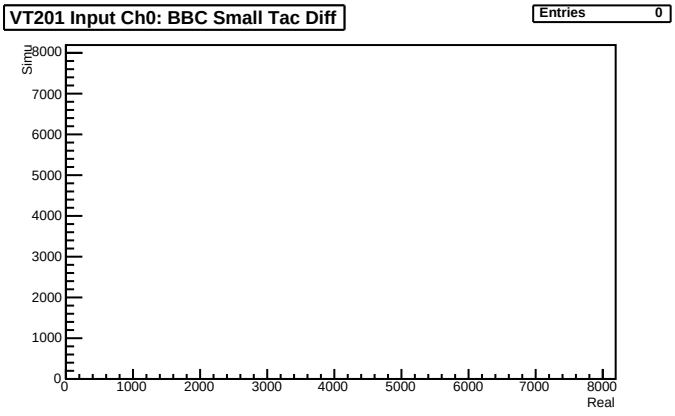

zdcWestTac
Entries 42130

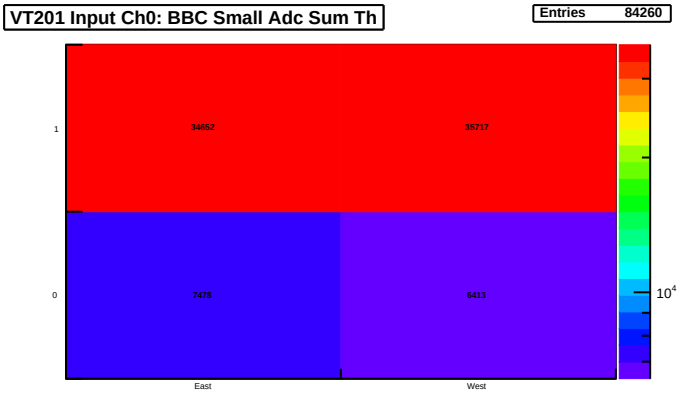

zdcWestTacVsSimu
Entries 260
Data
Simu

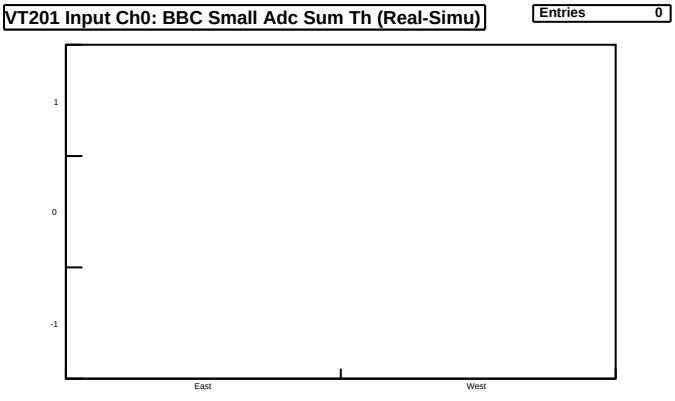

zdcAdcSum
Entries 505560
4497
571
3
2
2
10064
817
13
12
8
6
37633
41559
42127
42128
42128
42130
32066
41313
42117
42118
42122
42124
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

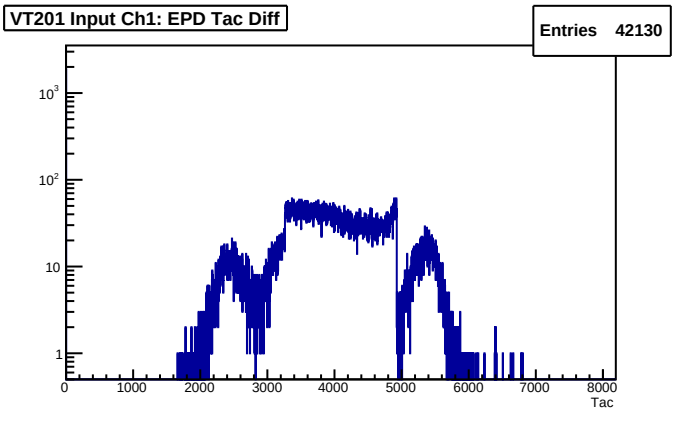

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

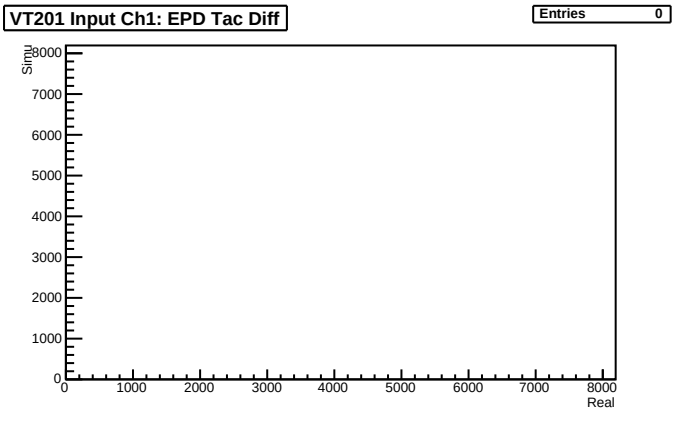

VT201 Input Ch0: BBC Small Tac Diff
Entries 42130
Tac

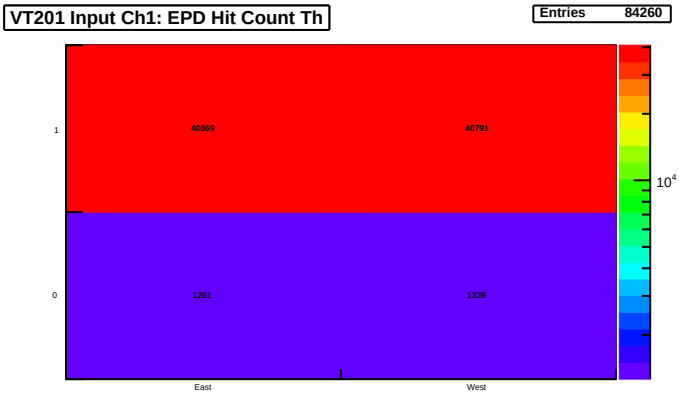

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

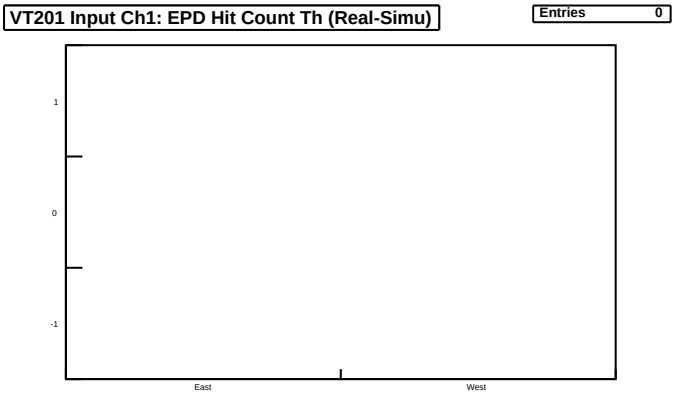

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 84260
34652
35717
7478
6413
East
West

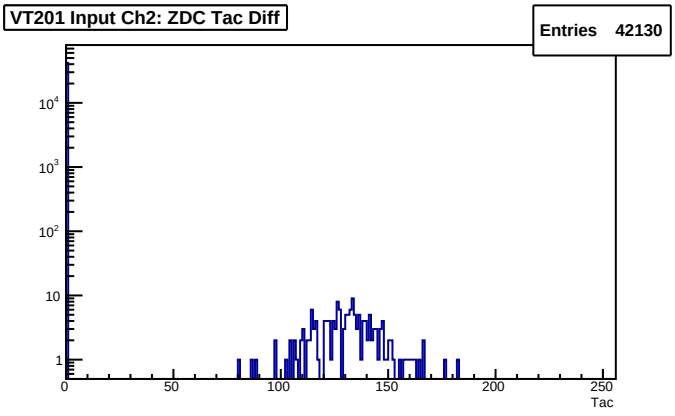

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

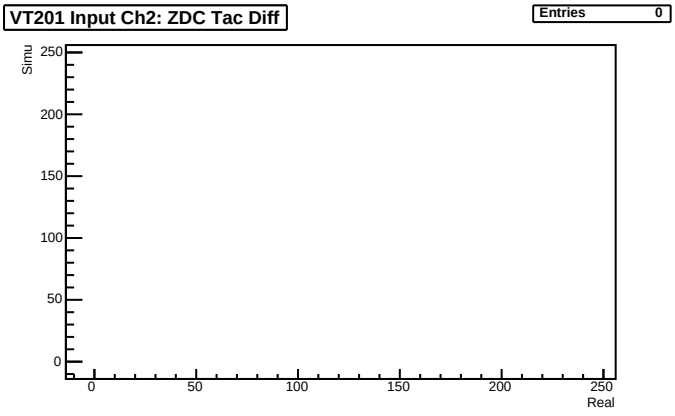

VT201 Input Ch1: EPD Tac Diff
Entries 42130
Tac

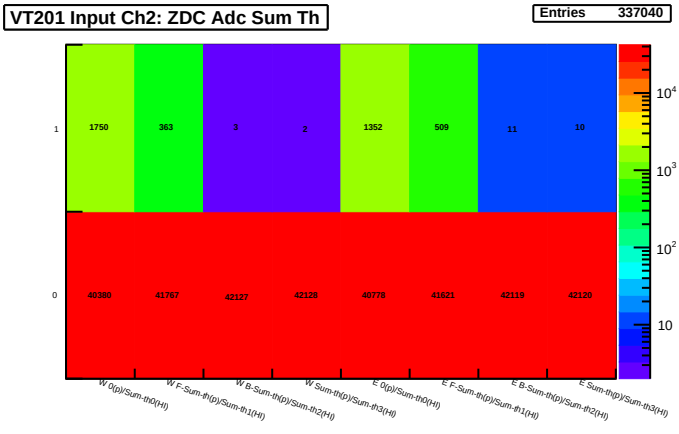

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

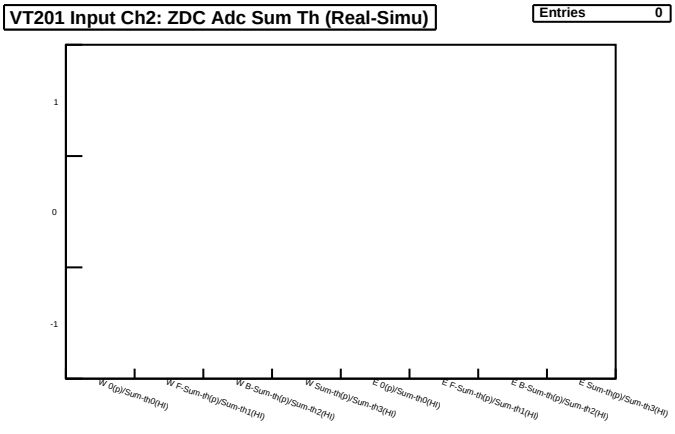

VT201 Input Ch1: EPD Hit Count Th
Entries 84260
40869
40791
1261
1339
East
West

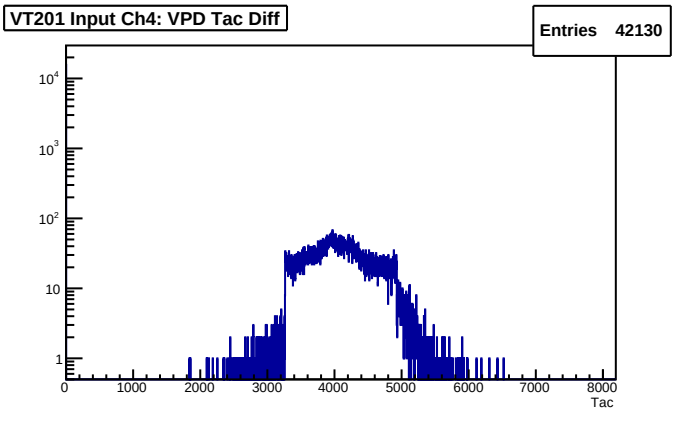

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

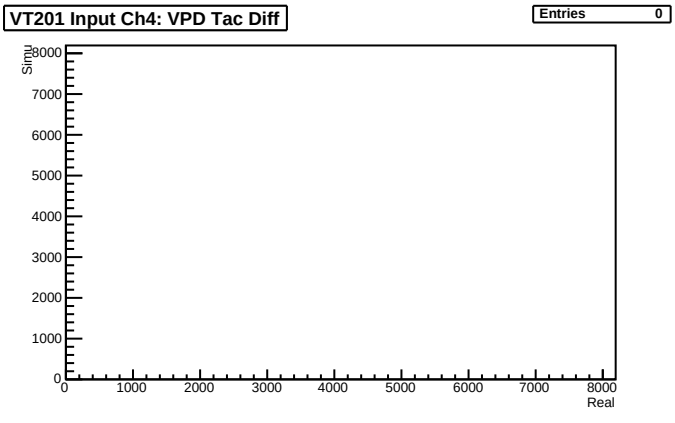

VT201 Input Ch2: ZDC Tac Diff
Entries 42130
Tac

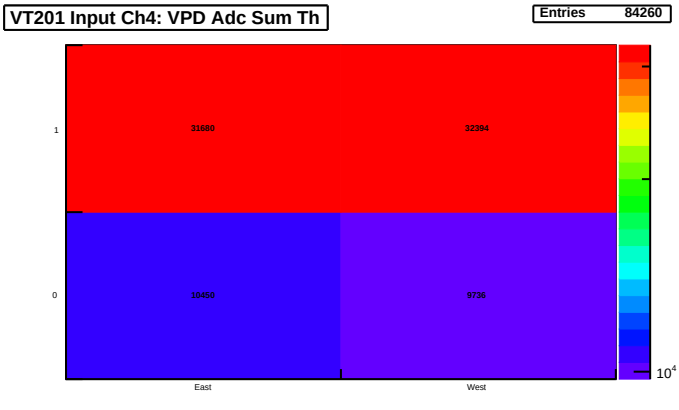

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

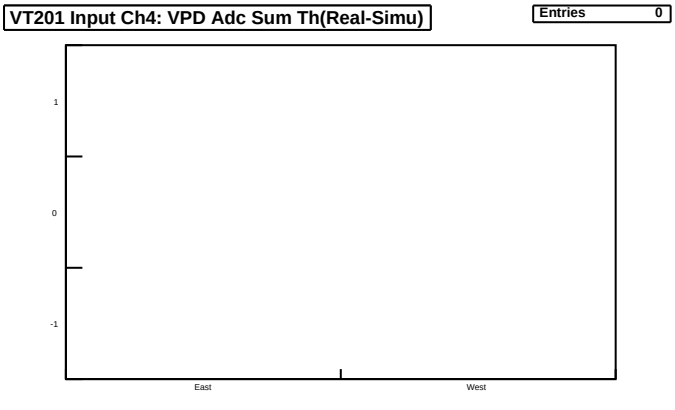

VT201 Input Ch2: ZDC Adc Sum Th
Entries 337040
1750
363
3
2
1352
509
11
10
40380
41767
42127
42128
40778
41621
42119
42120
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

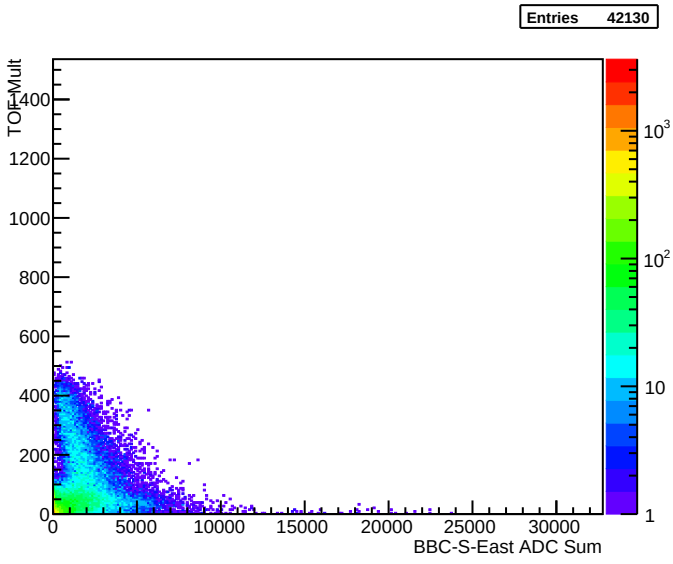

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

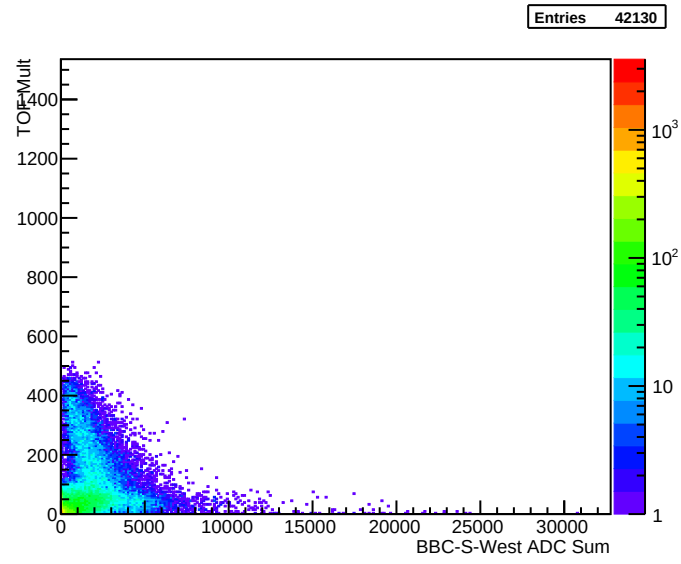

VT201 Input Ch4: VPD Tac Diff
Entries 42130
Tac

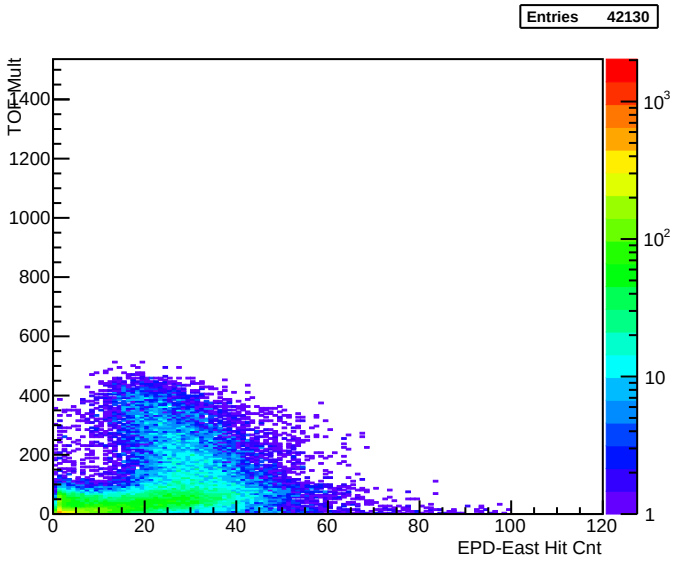

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

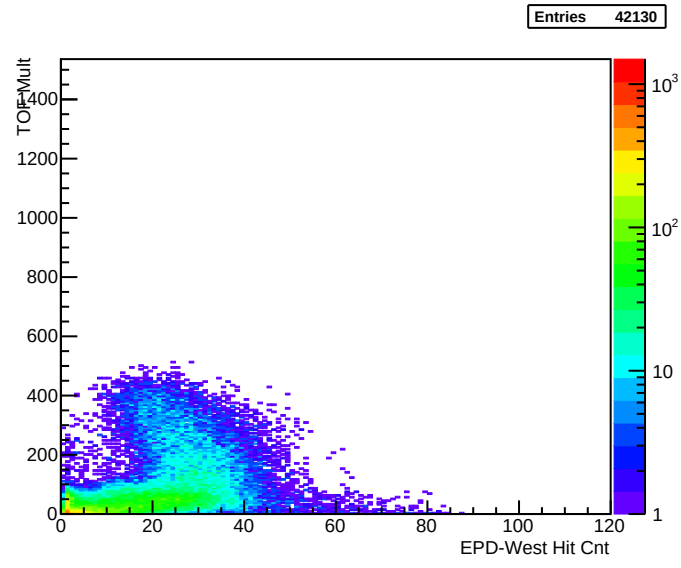

VT201 Input Ch4: VPD Adc Sum Th
Entries 84260
31680
32394
10450
9736
East
West

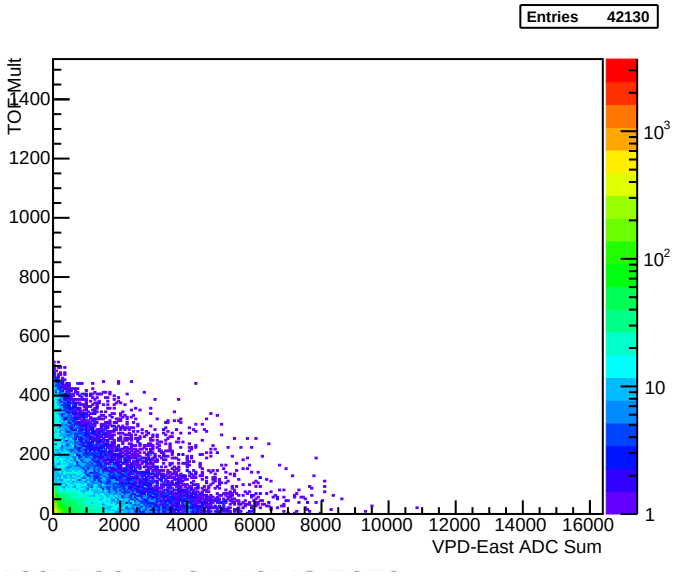

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

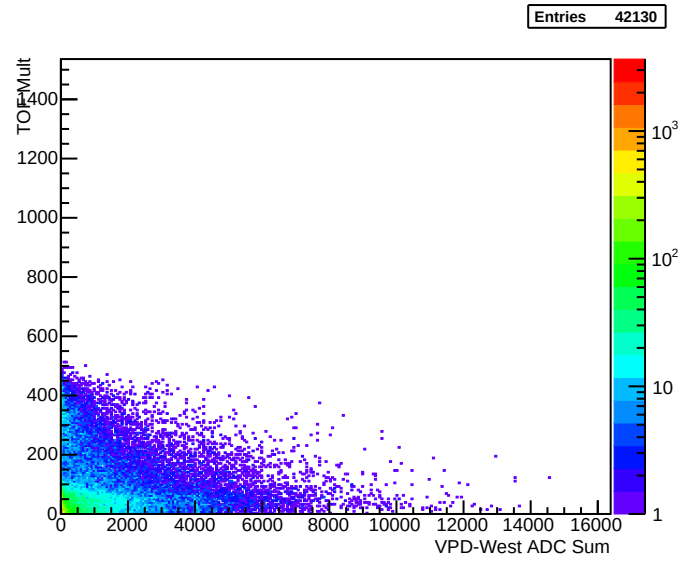

Entries 42130
TOF-Mult
BBC-S-East ADC Sum

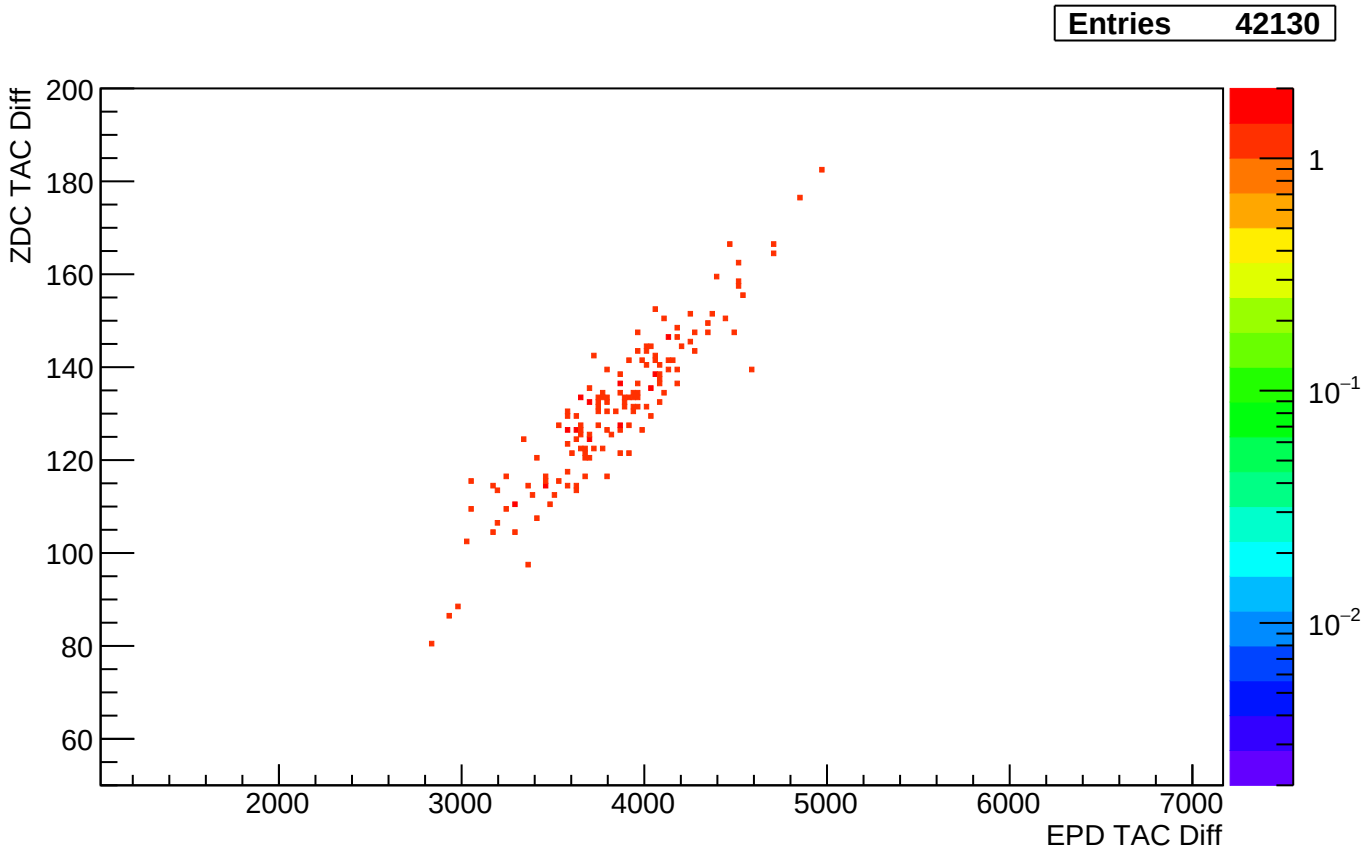

Entries 42130
TOF-Mult
BBC-S-West ADC Sum

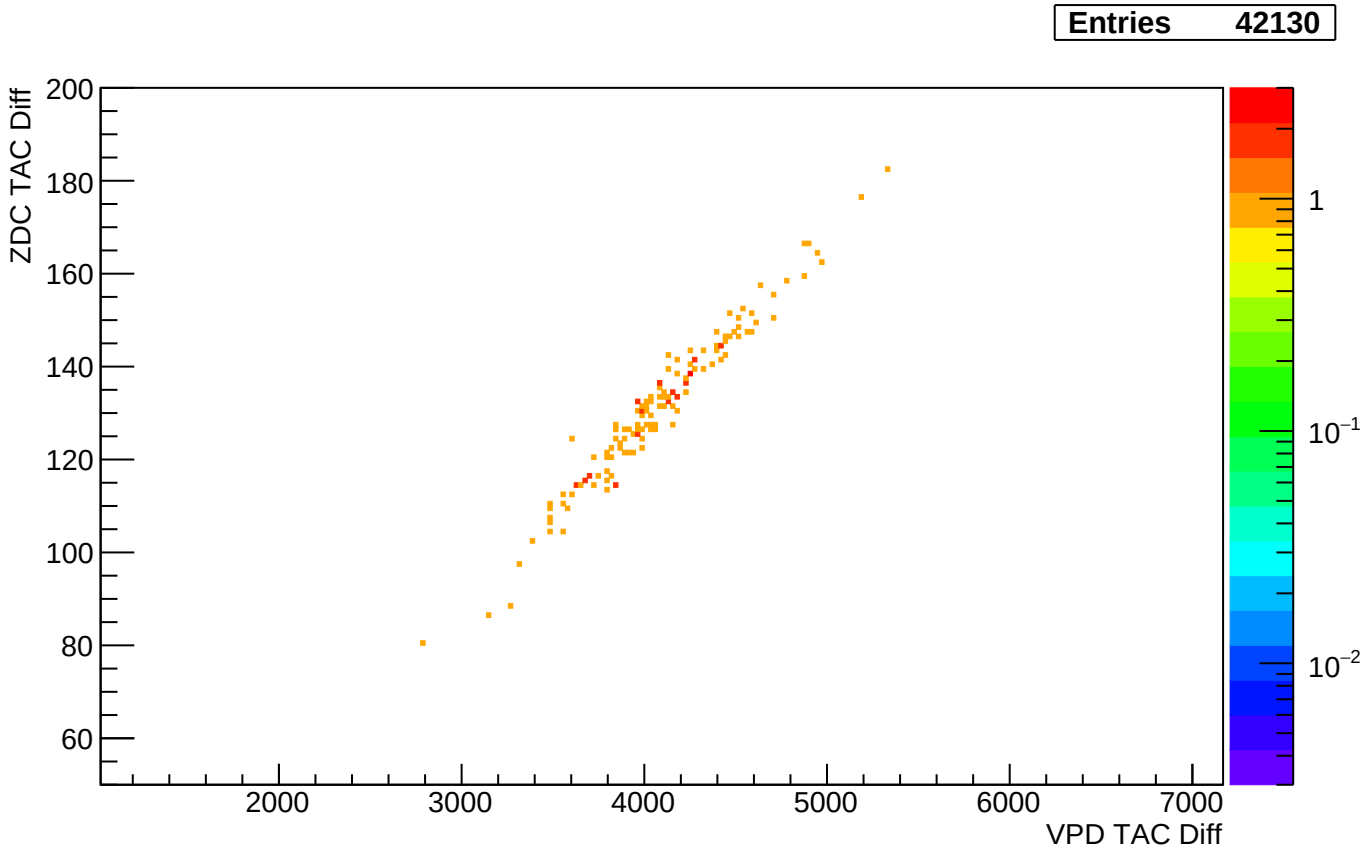

Entries 42130
TOF-Mult
EPD-East Hit Cnt

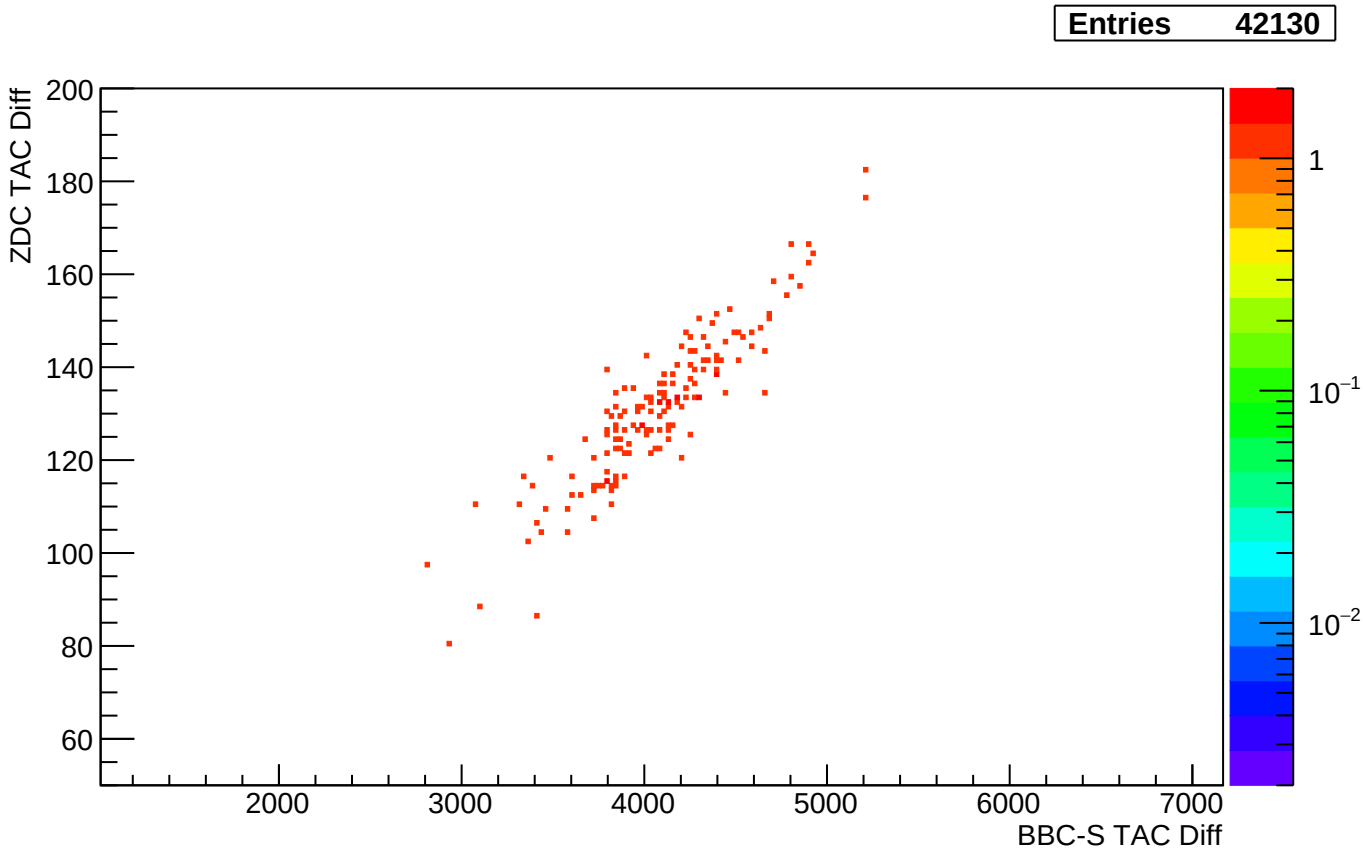

Entries 42130
TOF-Mult
EPD-West Hit Cnt

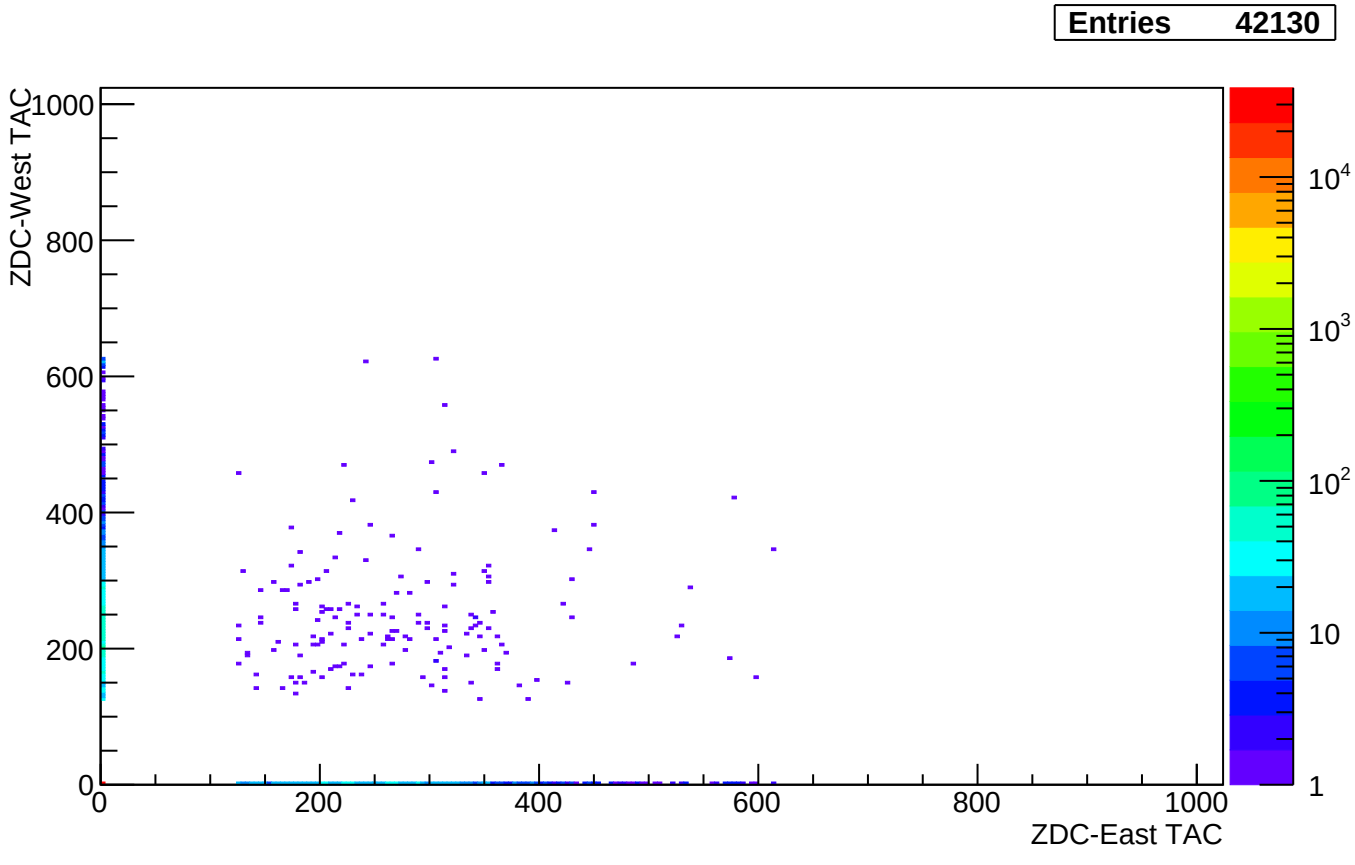

Entries 42130
TOF-Mult
VPD-East ADC Sum

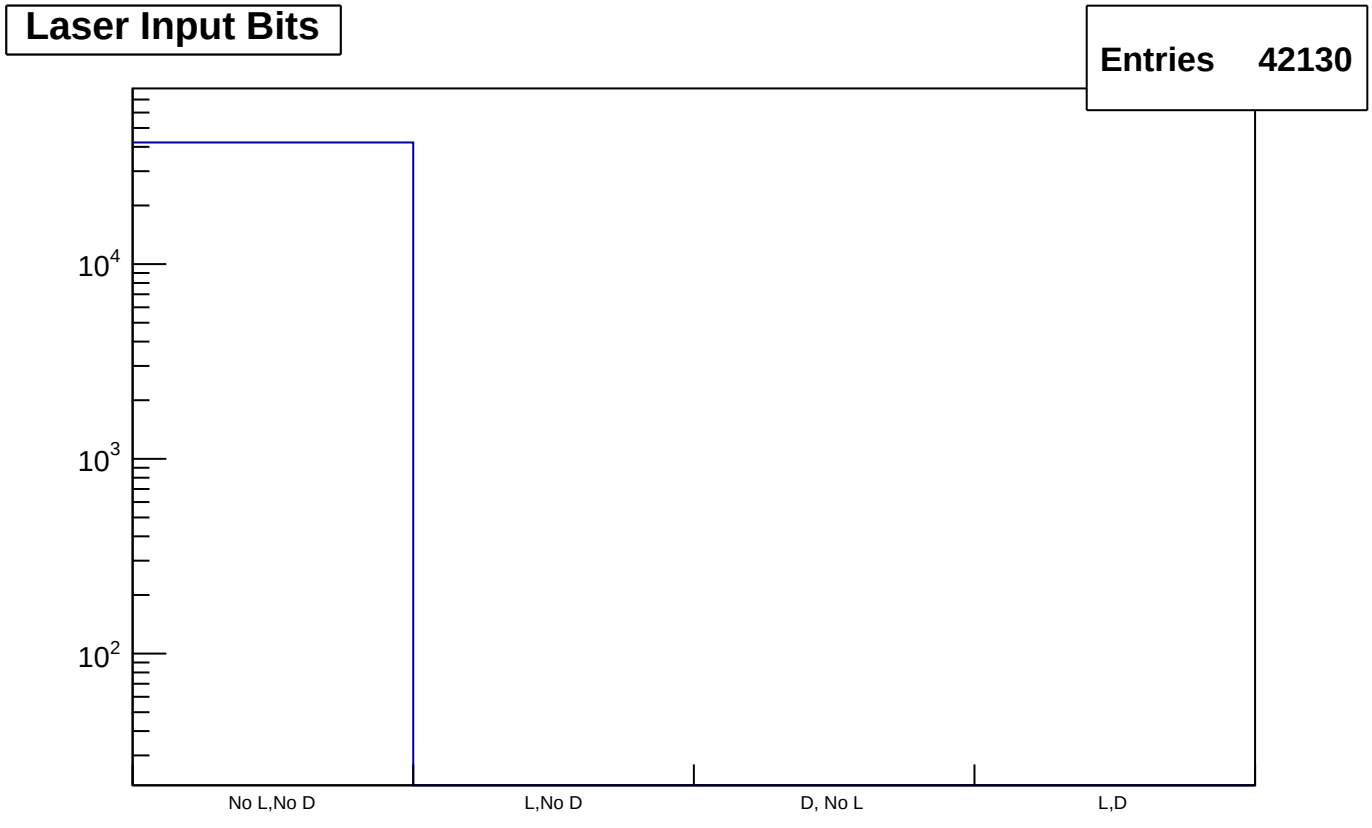

Entries 42130
TOF-Mult
VPD-West ADC Sum

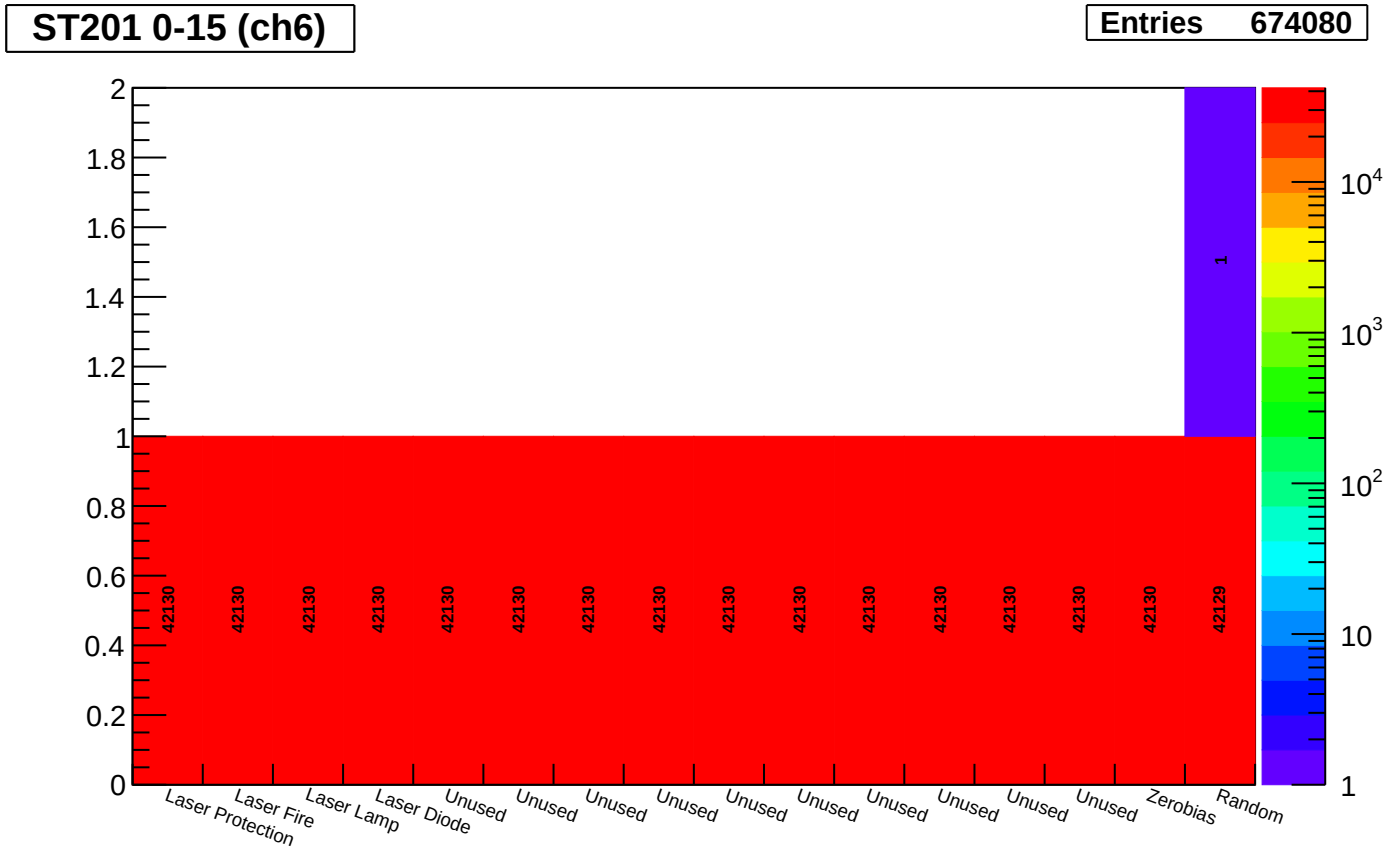

Entries 42130
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

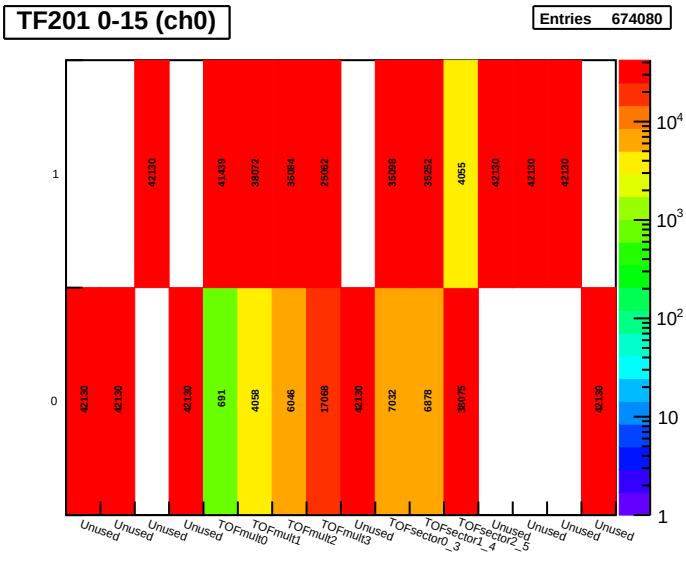

Entries 42130
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

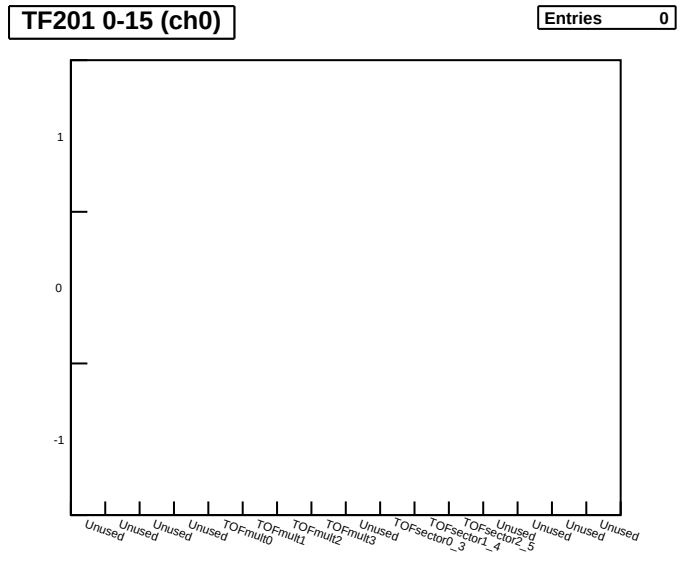

Entries 42130
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

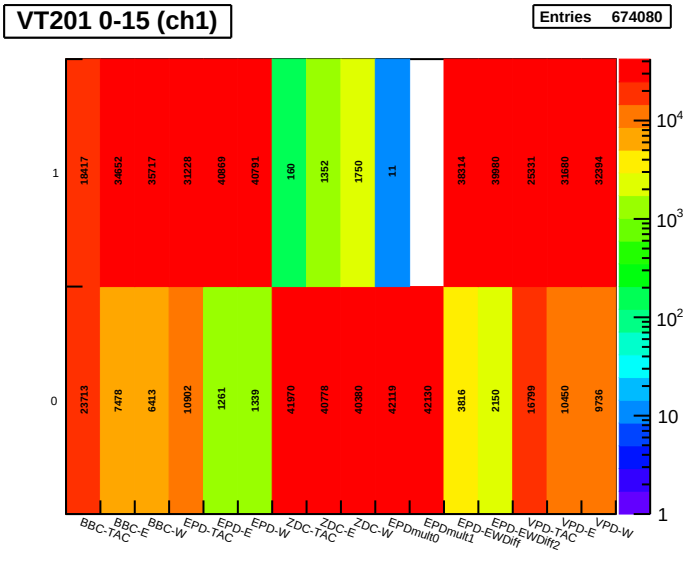

Entries 42130
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

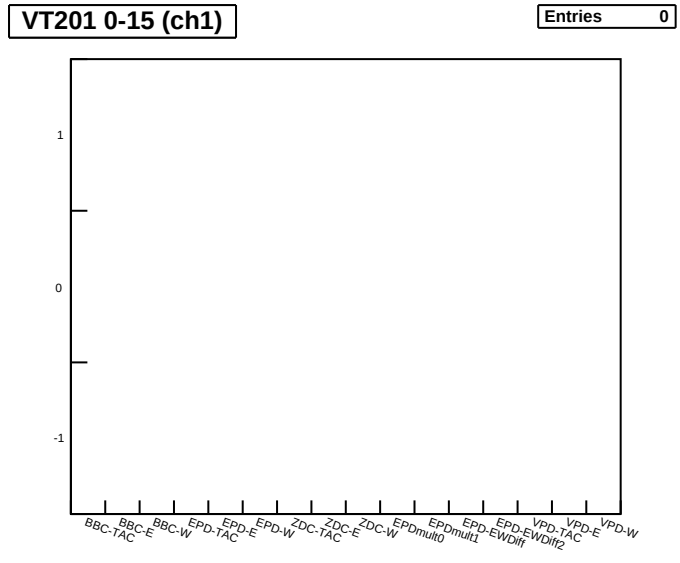

Laser Input Bits
Entries 42130
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

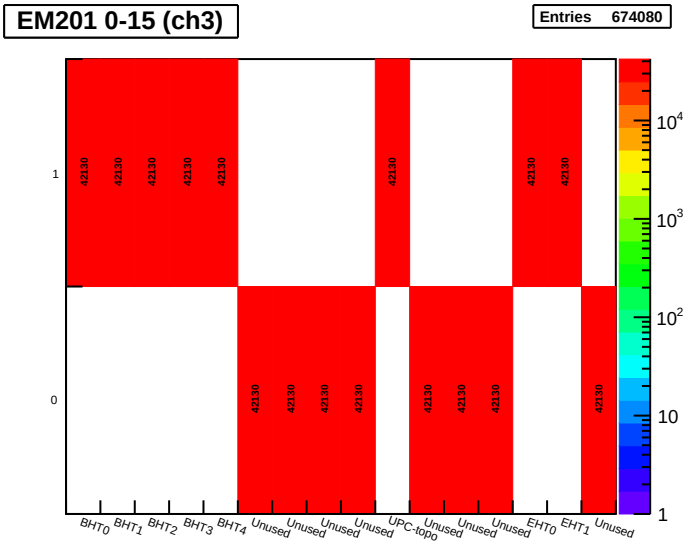

ST201 0-15 (ch6)
Entries 674080
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
42130
42129
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

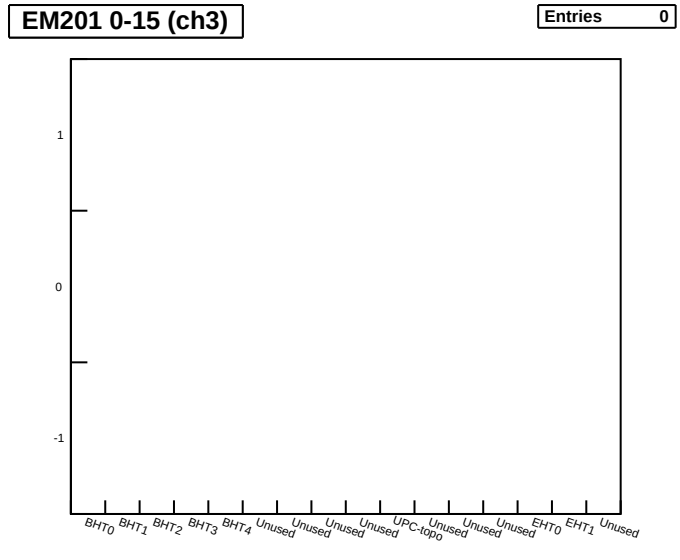

TF201 0-15 (ch0)
Entries 674080
1
0
42130
41439
38072
36084
25062
35098
35252
4055
42130
42130
42130
42130
42130
42130
691
4058
6046
17068
42130
7032
6878
38075
42130
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 674080
1
0
18417
34652
35717
31228
40869
40791
160
1352
1750
11
38314
39980
25331
31680
32394
23713
7478
6413
10902
1261
1339
41970
40778
40380
42119
42130
3816
2150
16799
10450
9736
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 674080
1
0
42130
42130
42130
42130
42130
42130
42130
42130
42130
42130
42130
42130
42130
42130
42130
42130
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