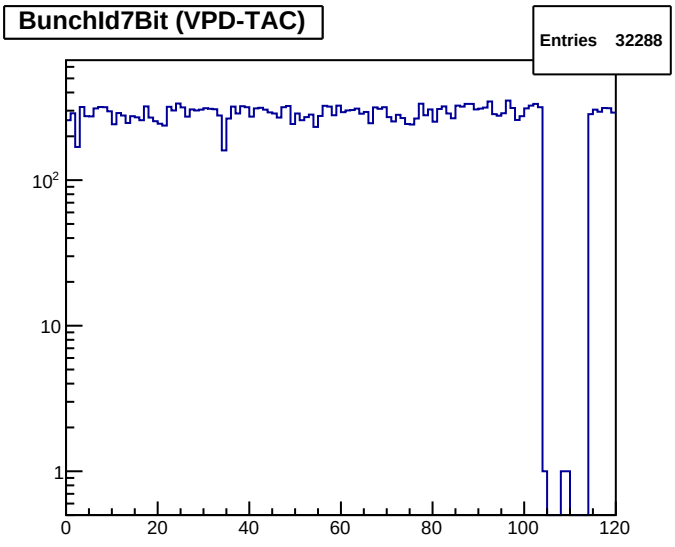
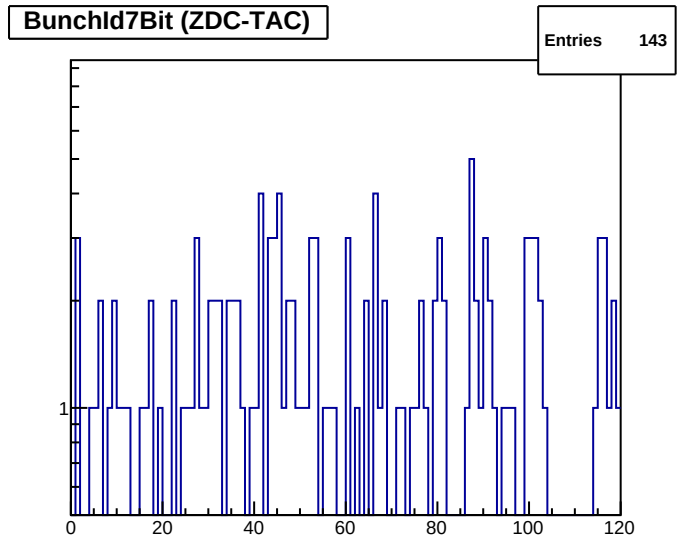
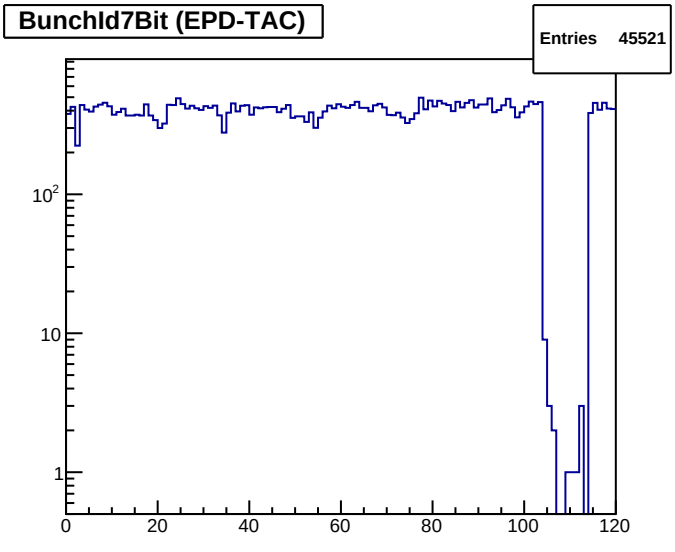
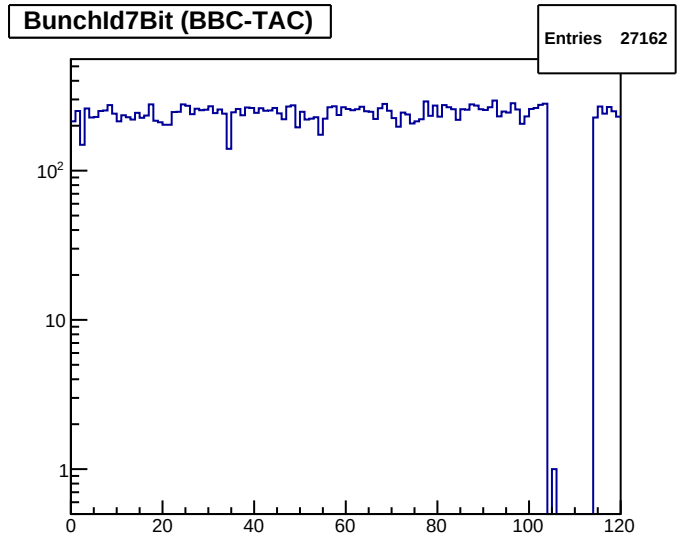
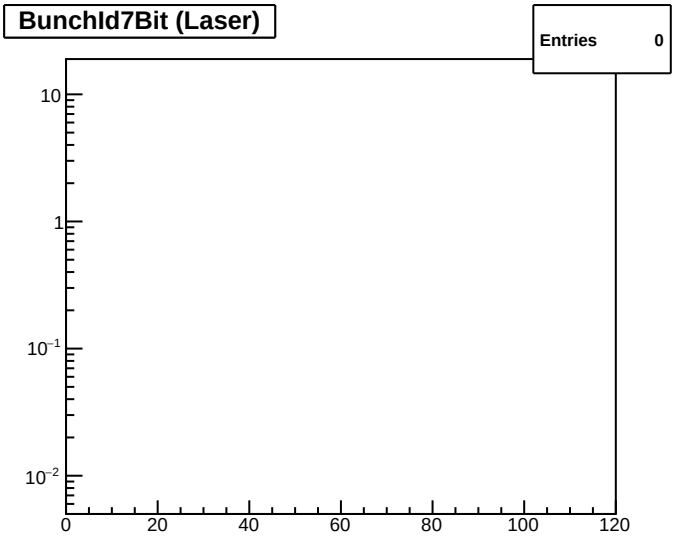
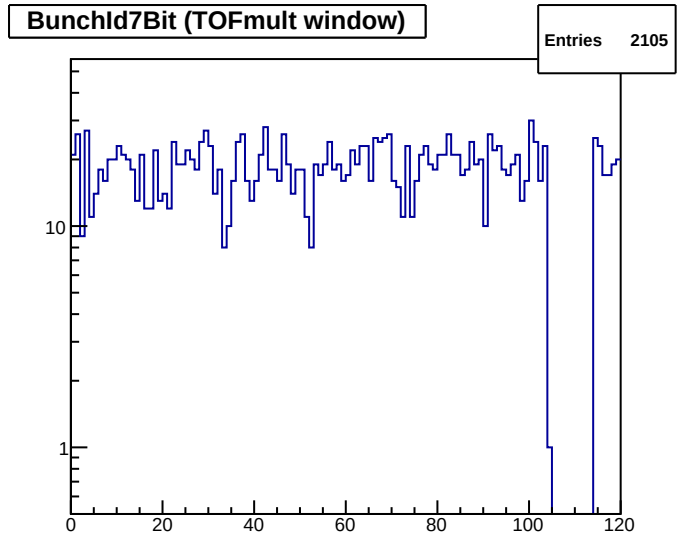

BunchId7Bit (VPD-TAC)
Entries 32288
10^2
10
1
0
20
40
60
80
100
120

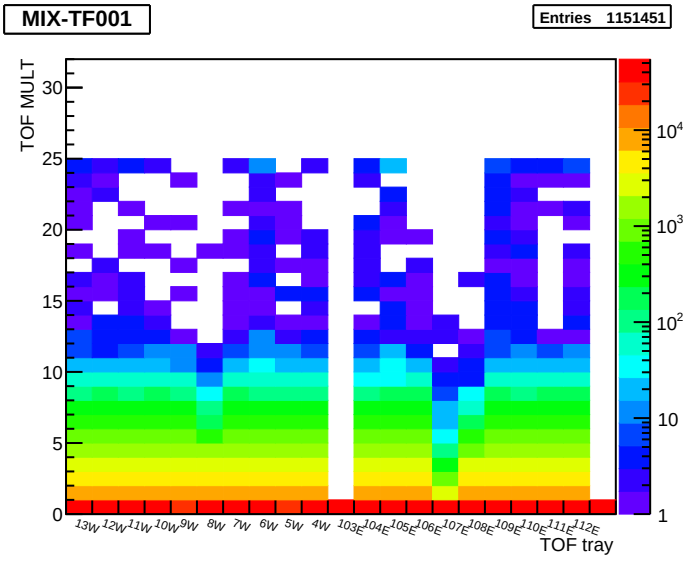

BunchId7Bit (ZDC-TAC)
Entries 143
1
0
20
40
60
80
100
120

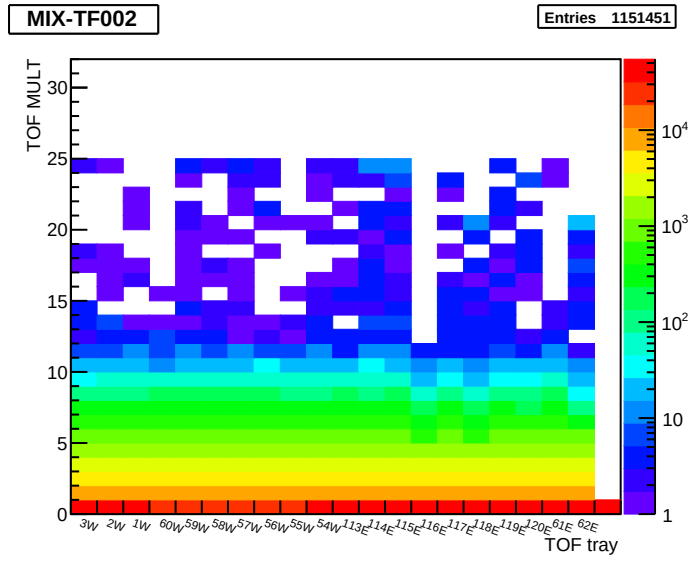

BunchId7Bit (EPD-TAC)
Entries 45521
10^2
10
1
0
20
40
60
80
100
120

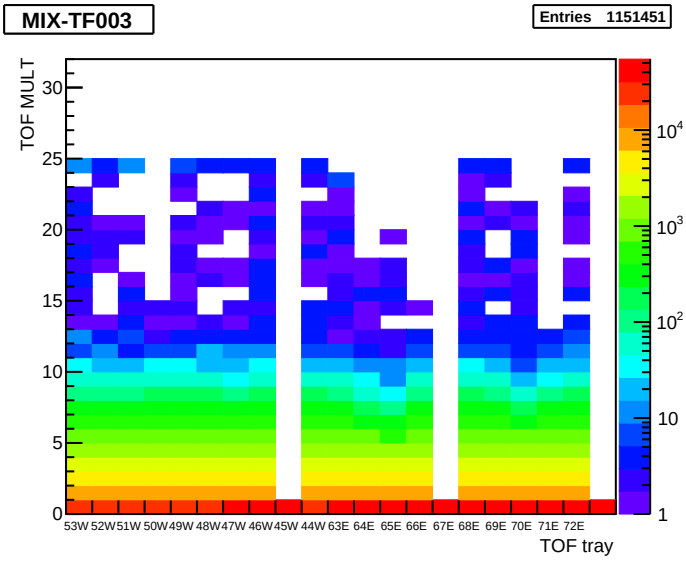

BunchId7Bit (BBC-TAC)
Entries 27162
10^2
10
1
0
20
40
60
80
100
120

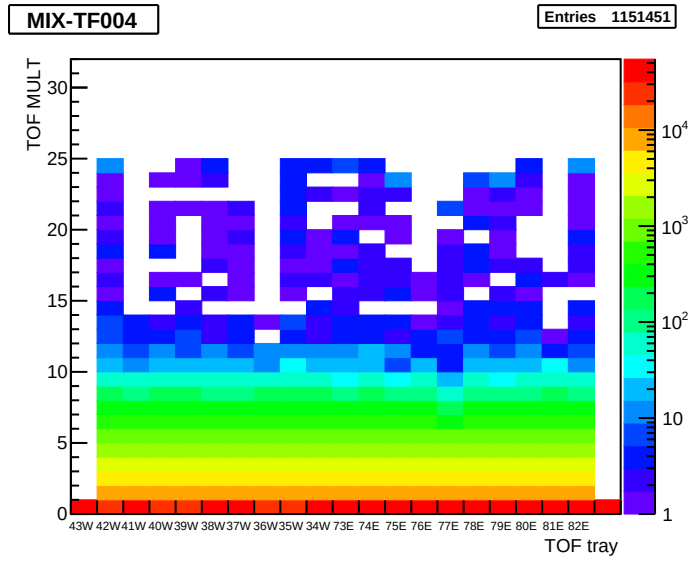

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

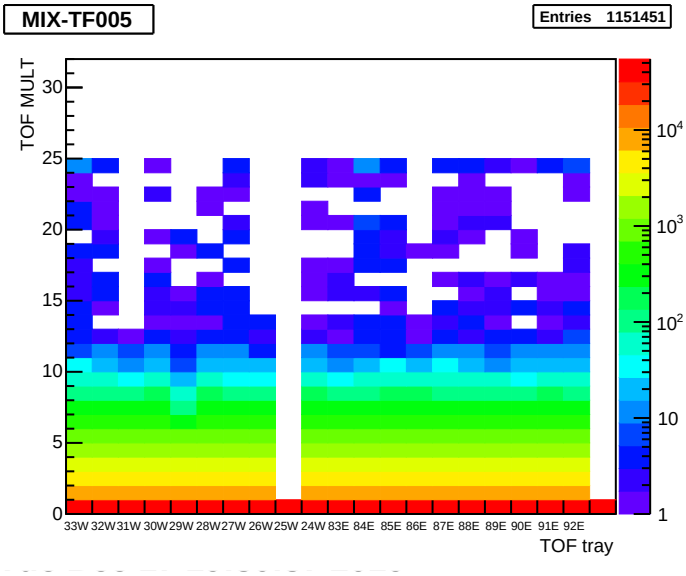

BunchId7Bit (TOFmult window)
Entries 2105
10
1
0
20
40
60
80
100
120

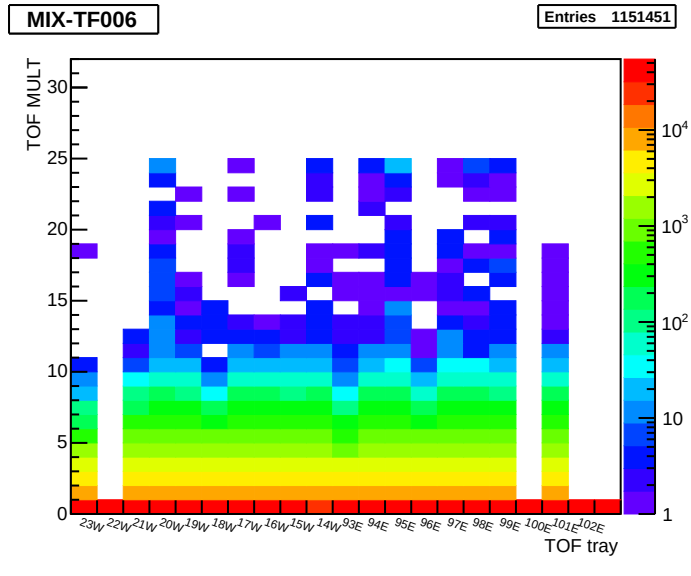

MIX-TF001
Entries 1151451
TOF MULT
TOF tray

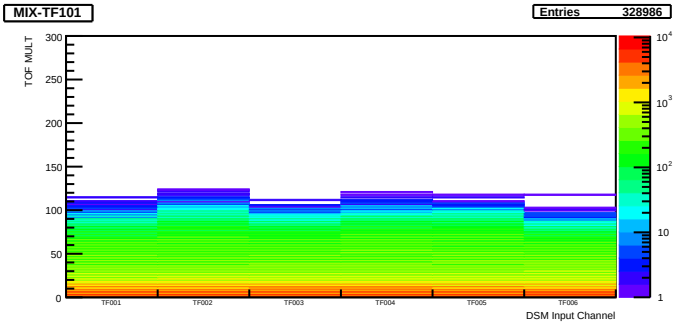

MIX-TF002
Entries 1151451
TOF MULT
TOF tray

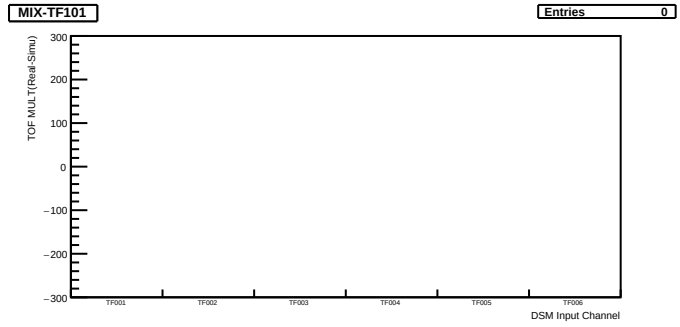

MIX-TF003
Entries 1151451
TOF MULT
TOF tray

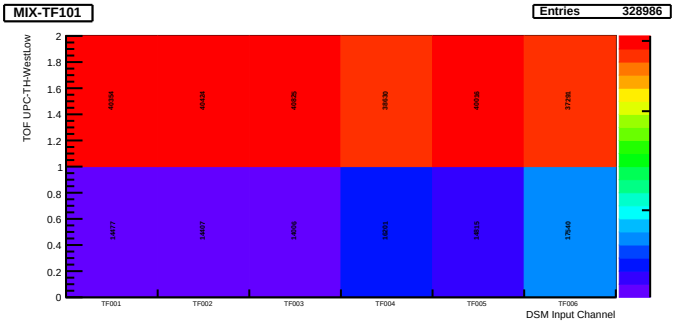

MIX-TF004
Entries 1151451
TOF MULT
TOF tray

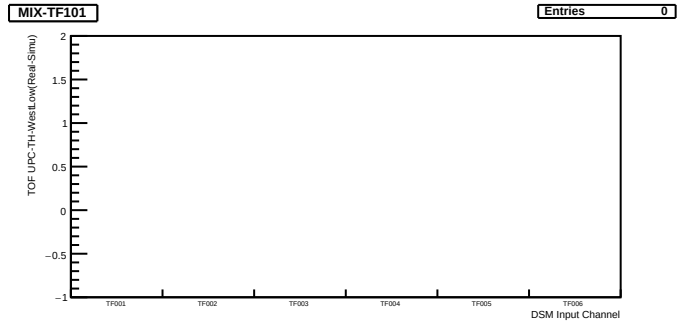

MIX-TF005
Entries 1151451
TOF MULT
TOF tray

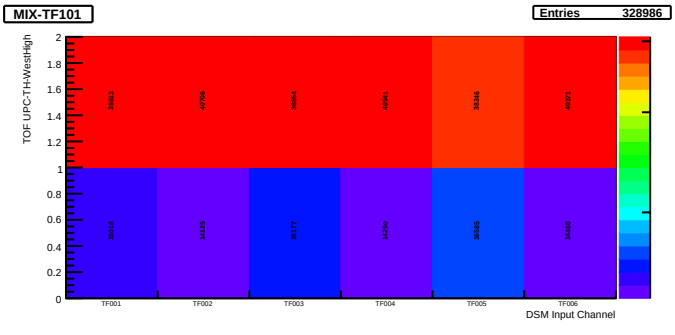

MIX-TF006
Entries 1151451
TOF MULT
TOF tray

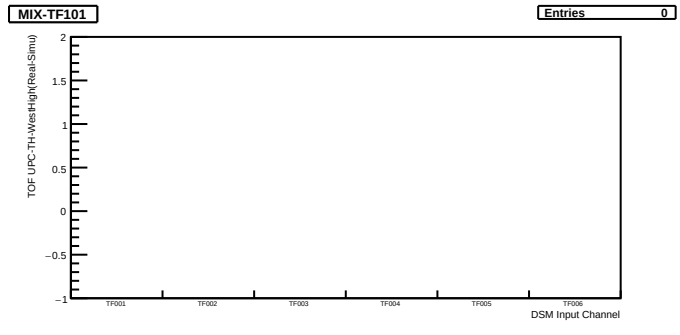

MIX-TF101
Entries 328986
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

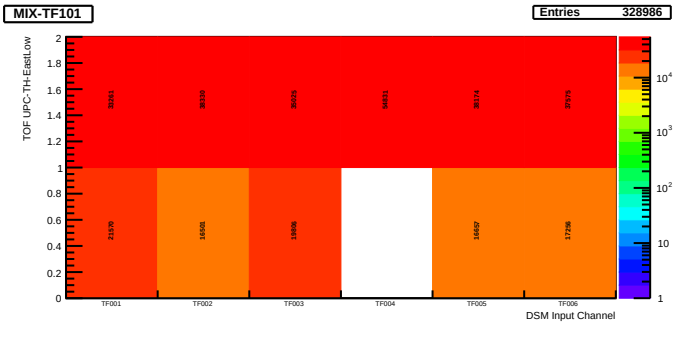

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

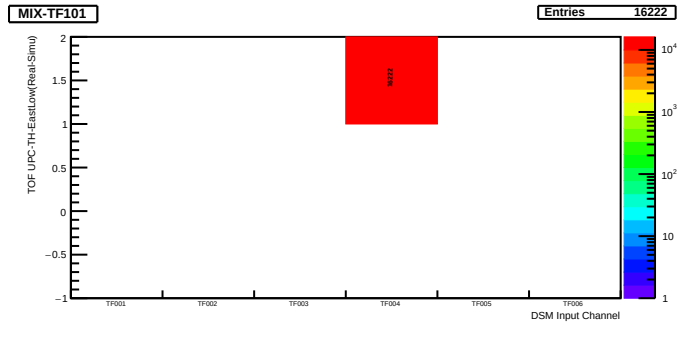

MIX-TF101
Entries 328986
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

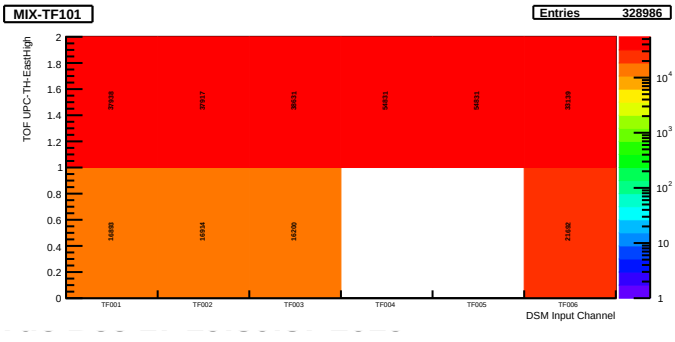

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

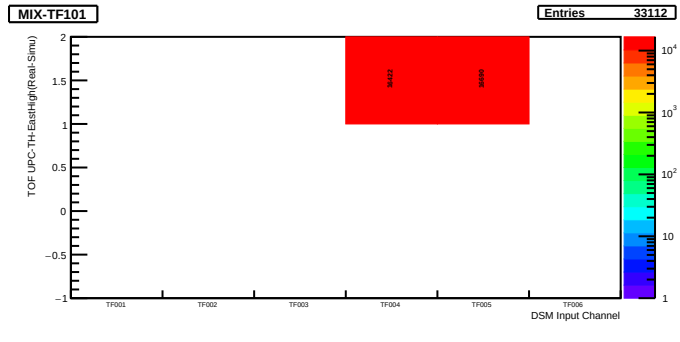

MIX-TF101
Entries 328986
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

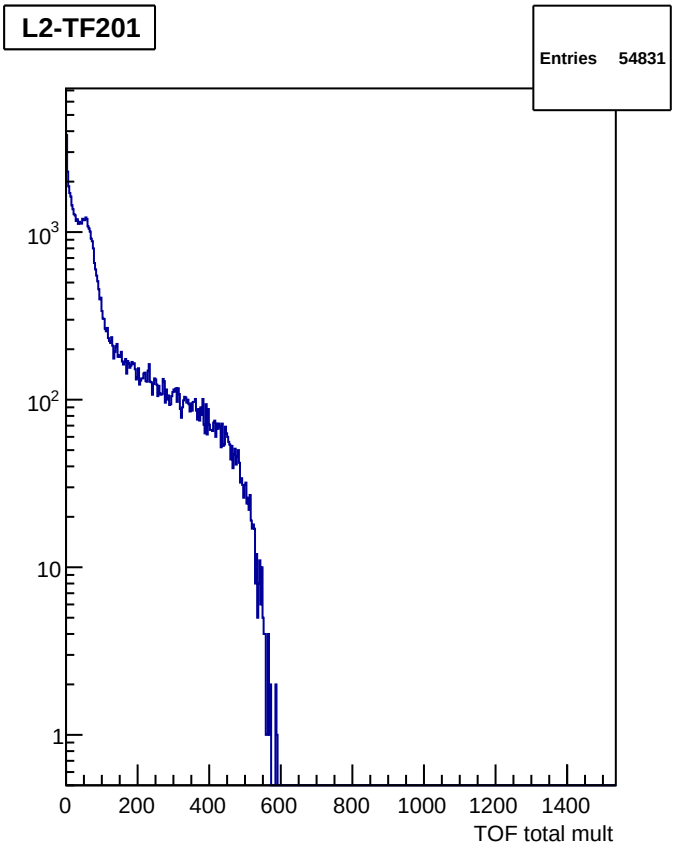

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

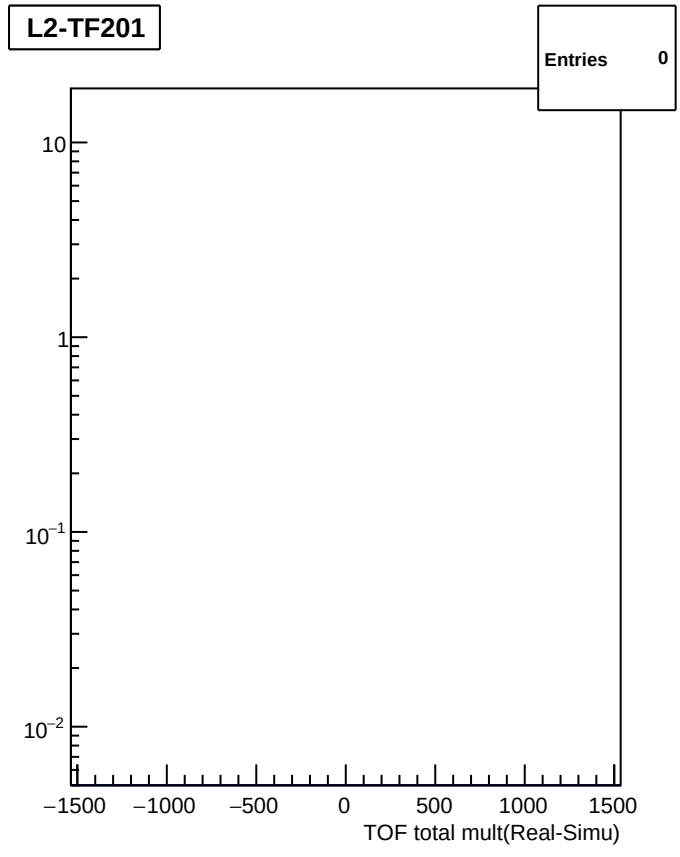

MIX-TF101
Entries 328986
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

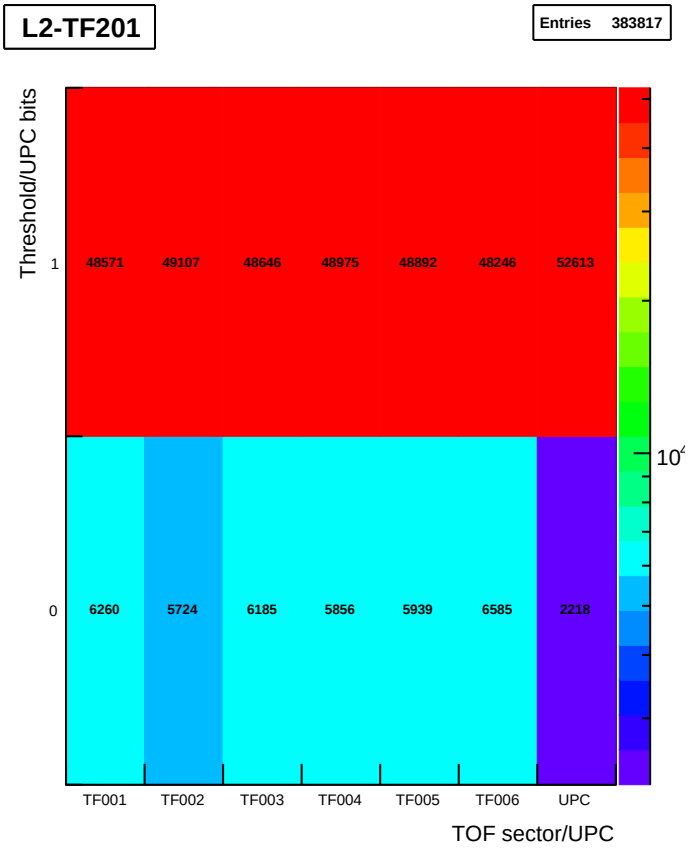

MIX-TF101
Entries 16222
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

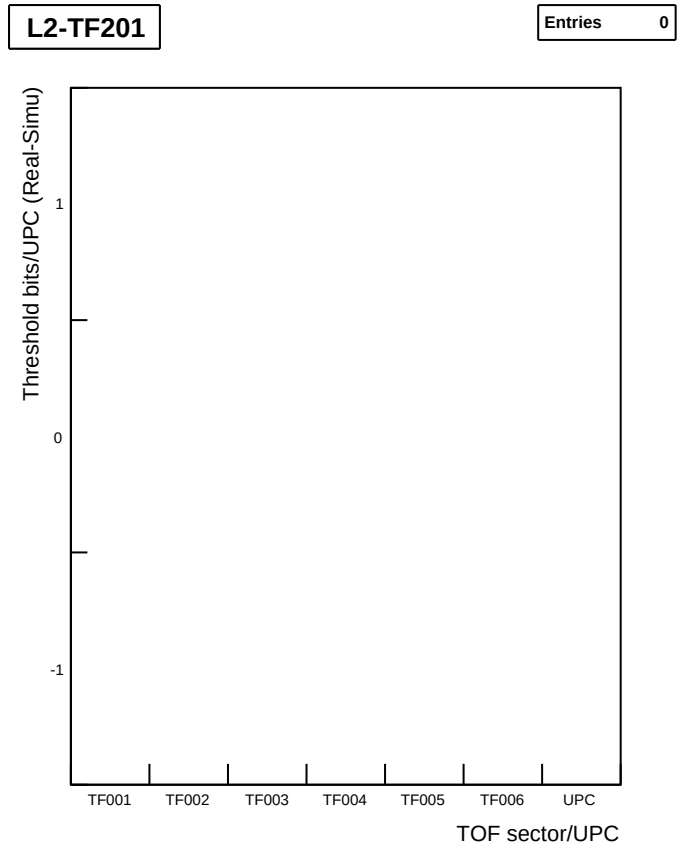

MIX-TF101
Entries 328986
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

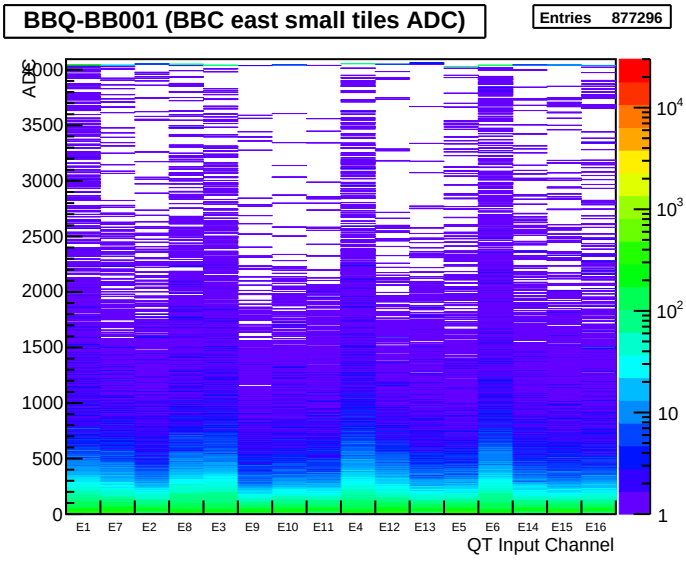

MIX-TF101
Entries 33112
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

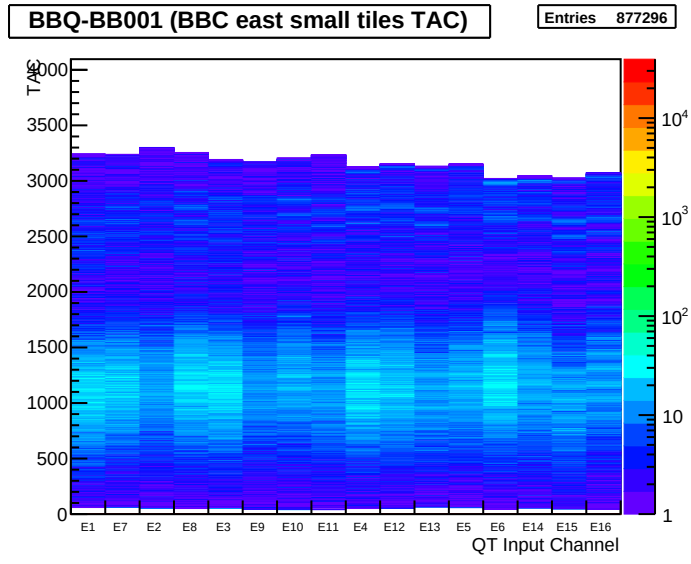

L2-TF201
Entries 54831
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

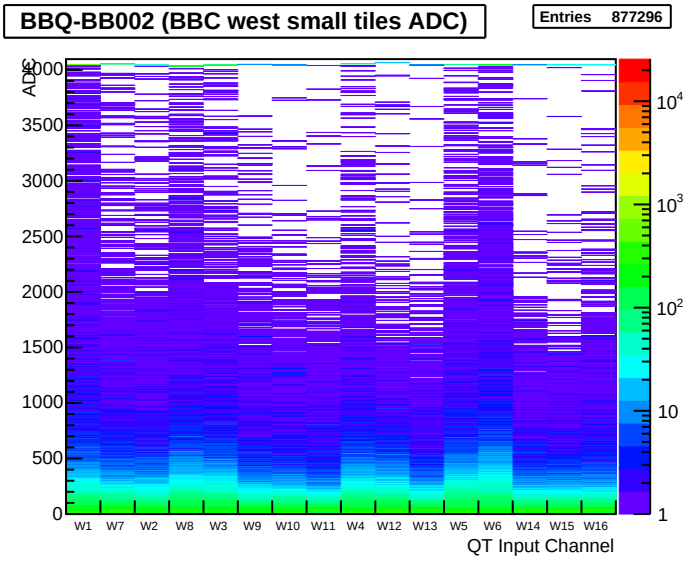

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

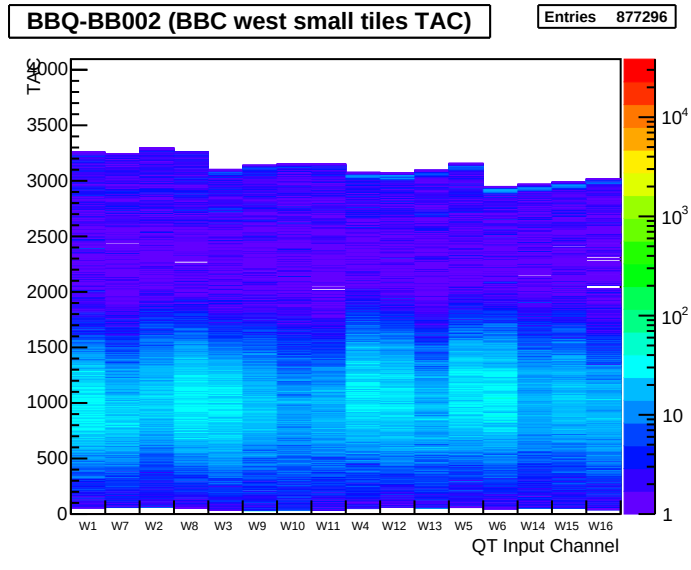

L2-TF201
Entries 383817
Threshold/UPC bits
1
0
48571
49107
48646
48975
48892
48246
52613
6260
5724
6185
5856
5939
6585
2218
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

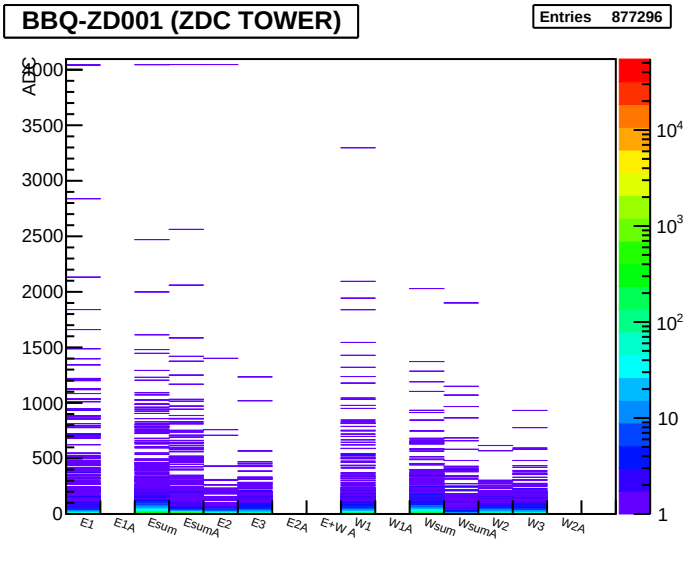

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

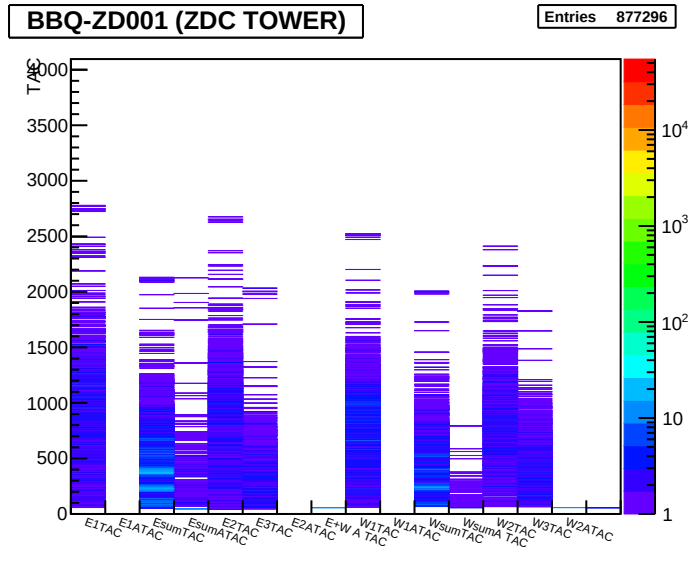

BBQ-BB001 (BBC east small tiles ADC)
Entries 877296
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

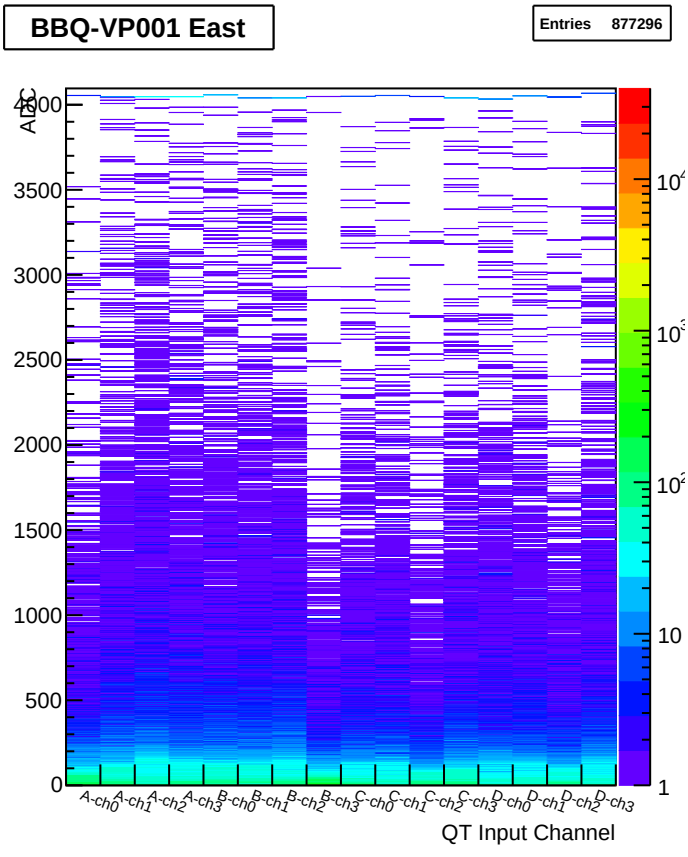

BBQ-BB001 (BBC east small tiles TAC)
Entries 877296
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

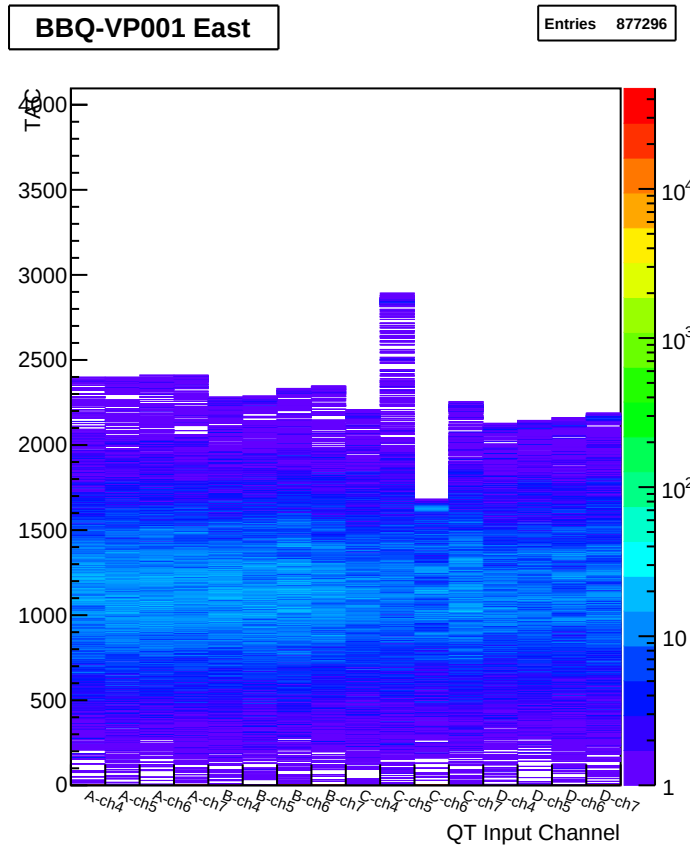

BBQ-BB002 (BBC west small tiles ADC)
Entries 877296
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

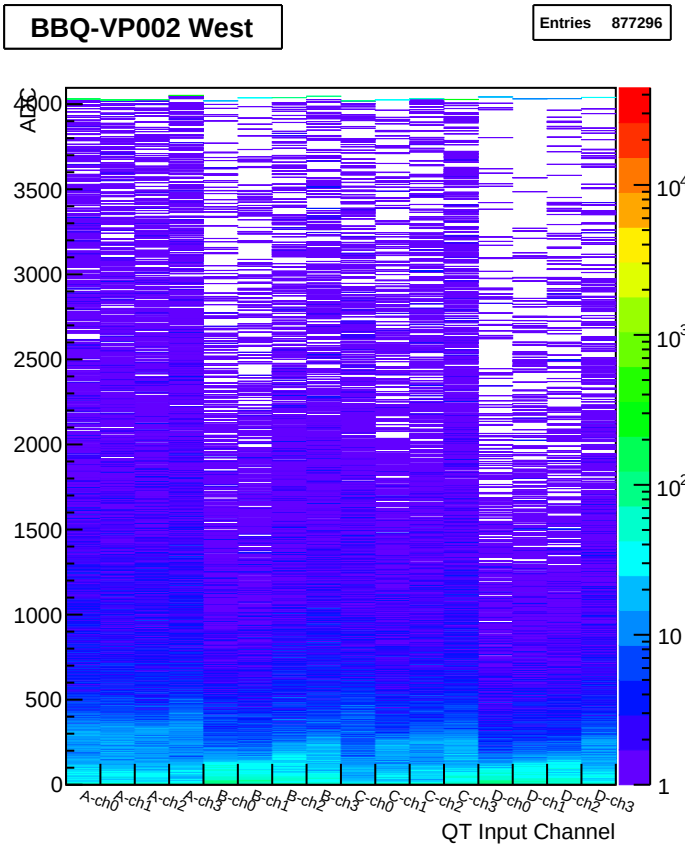

BBQ-BB002 (BBC west small tiles TAC)
Entries 877296
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

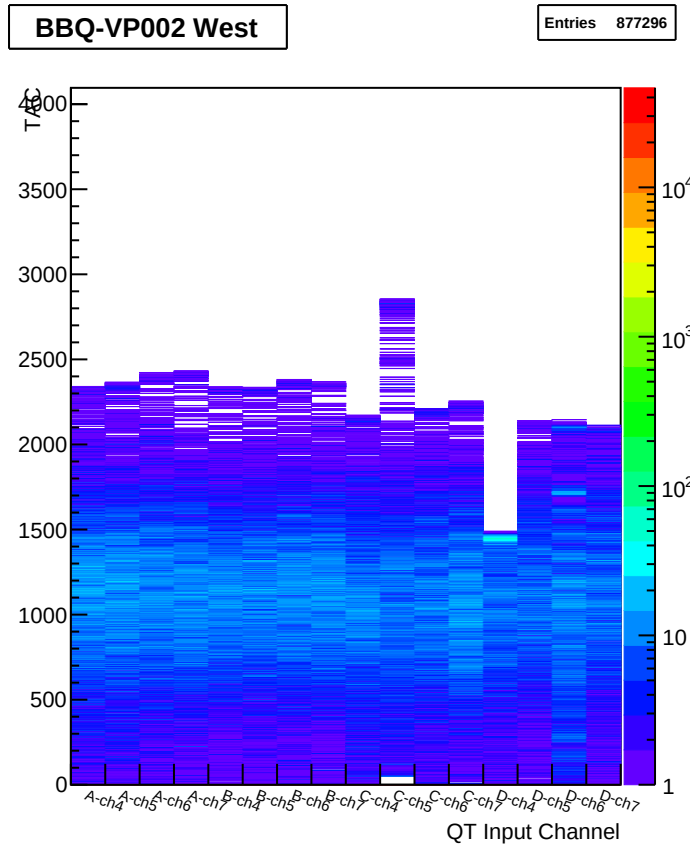

BBQ-ZD001 (ZDC TOWER)
Entries 877296
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

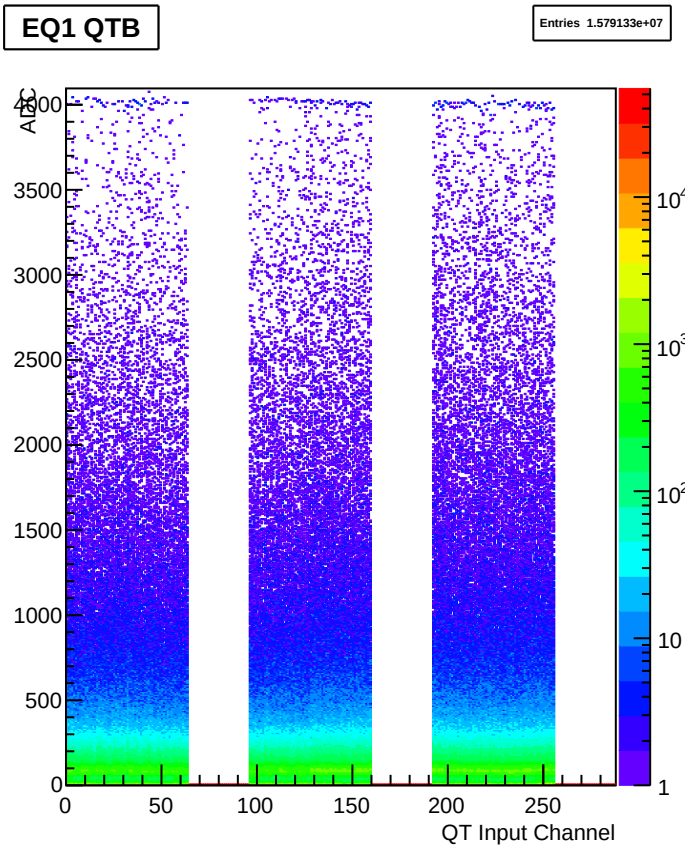

BBQ-ZD001 (ZDC TOWER)
Entries 877296
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

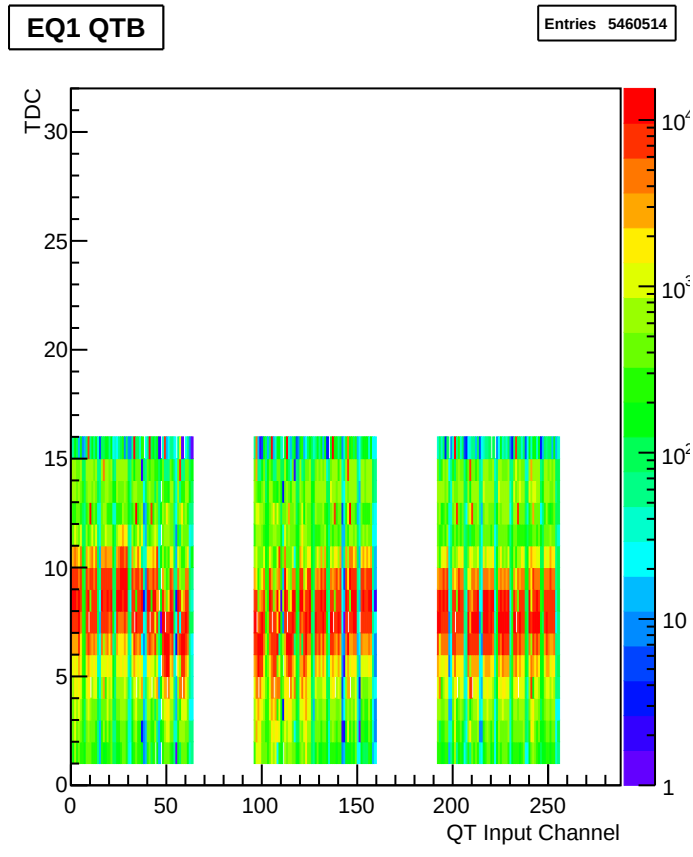

BBQ-VP001 East
Entries 877296
ADC
QT Input Channel

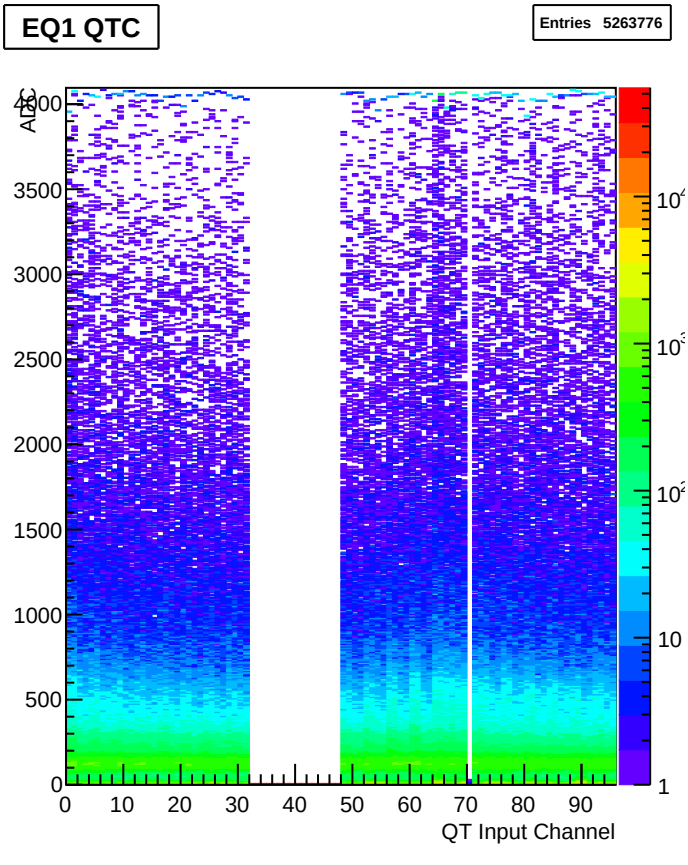

BBQ-VP001 East
Entries 877296
TADC
QT Input Channel

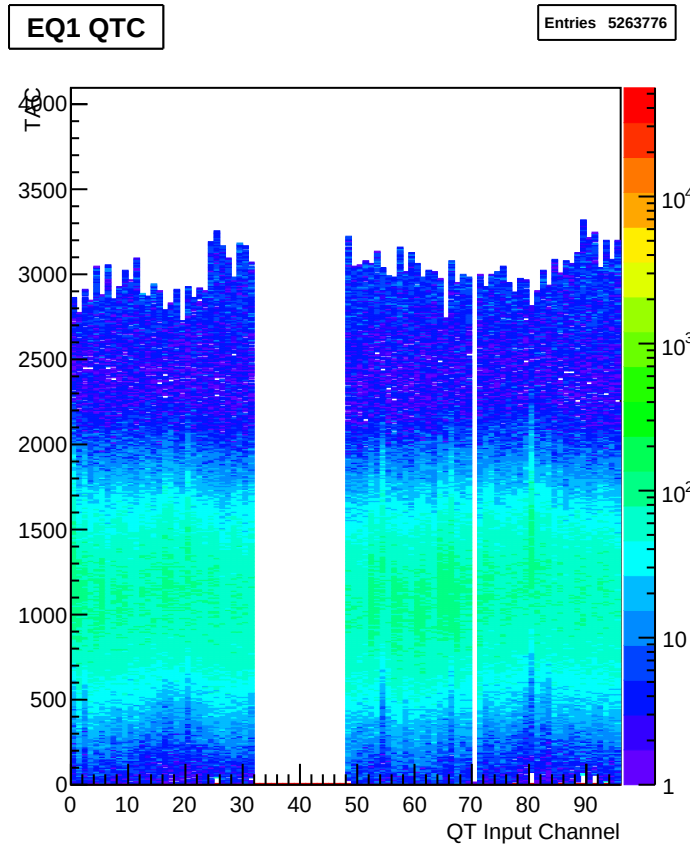

BBQ-VP002 West
Entries 877296
ADC
QT Input Channel

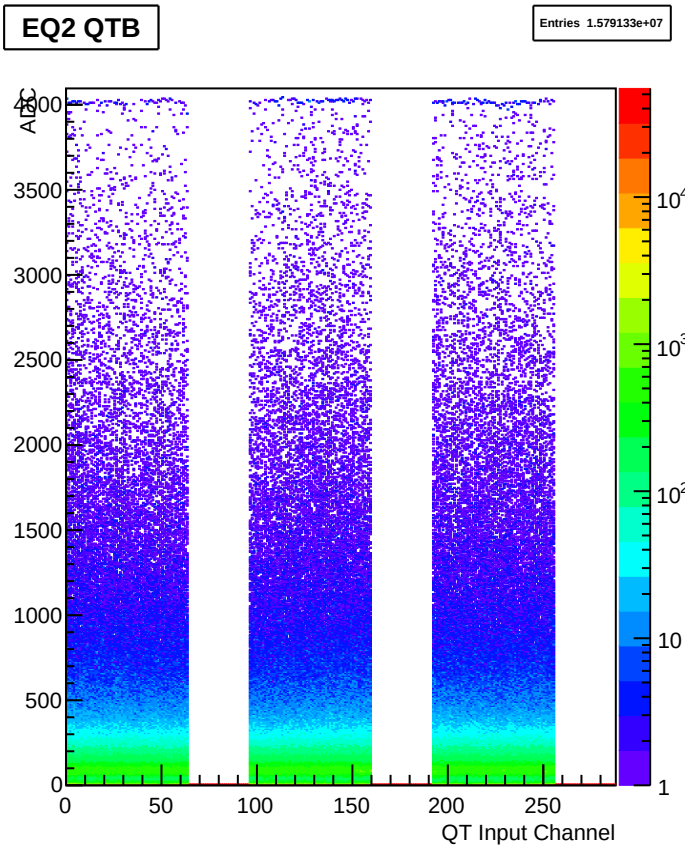

BBQ-VP002 West
Entries 877296
TADC
QT Input Channel

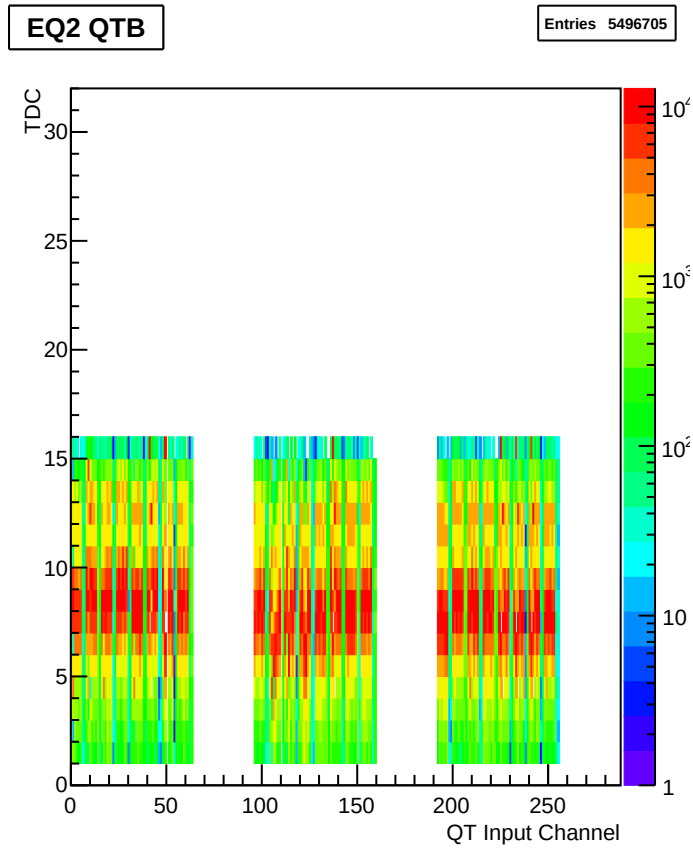

EQ1 QTB
Entries 1.579133e+07
ADC
QT Input Channel

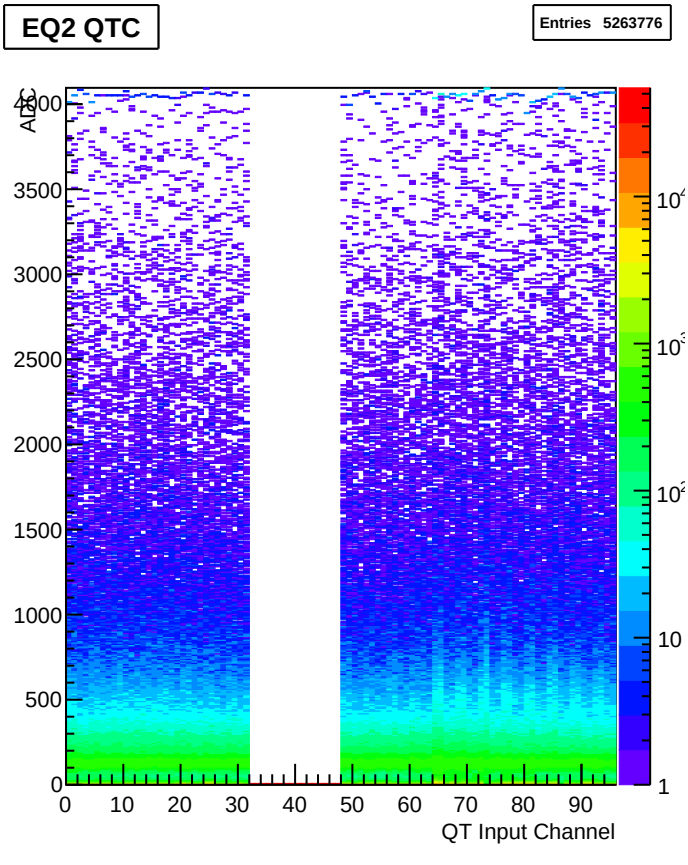

EQ1 QTB
Entries 5460514
TDC
QT Input Channel

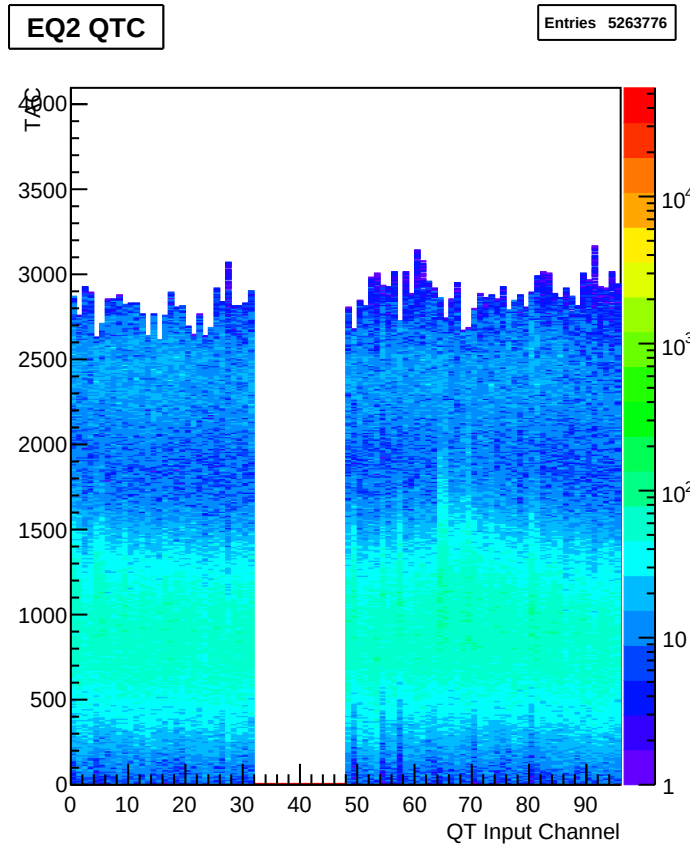

EQ1 QTC
Entries 5263776
ADC
QT Input Channel

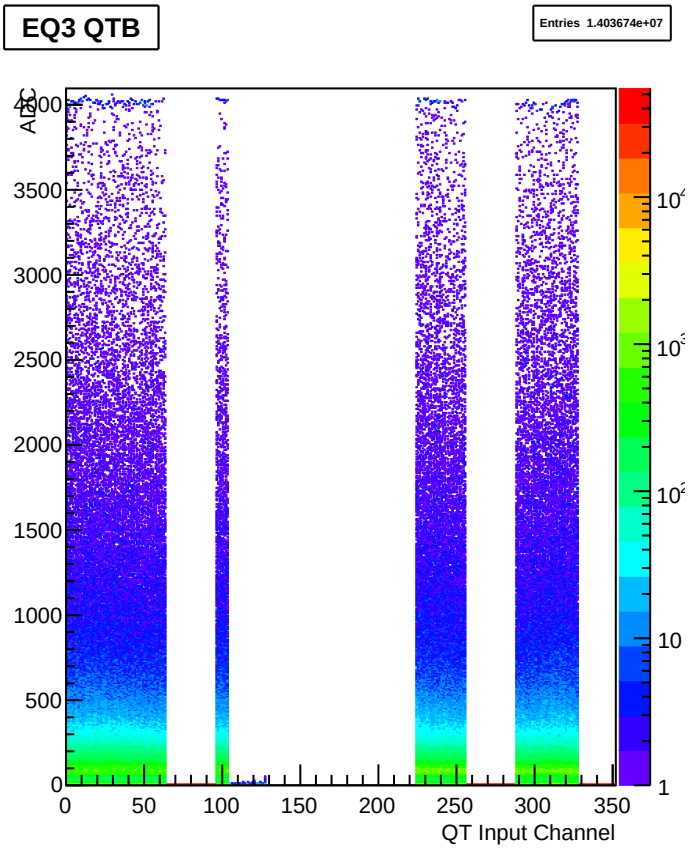

EQ1 QTC
Entries 5263776
TADC
QT Input Channel

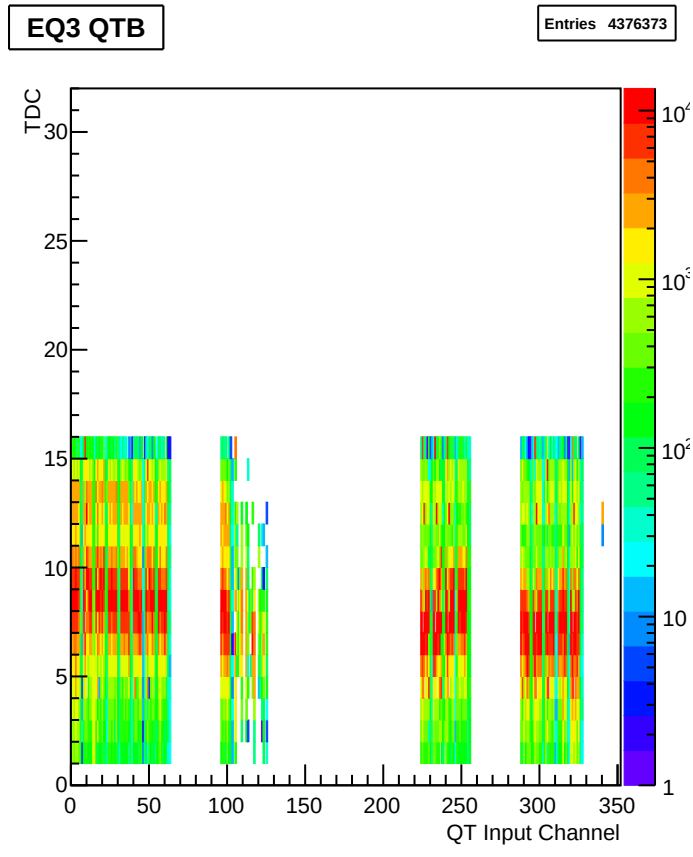

EQ2 QTB
Entries 1.579133e+07
ADC
QT Input Channel

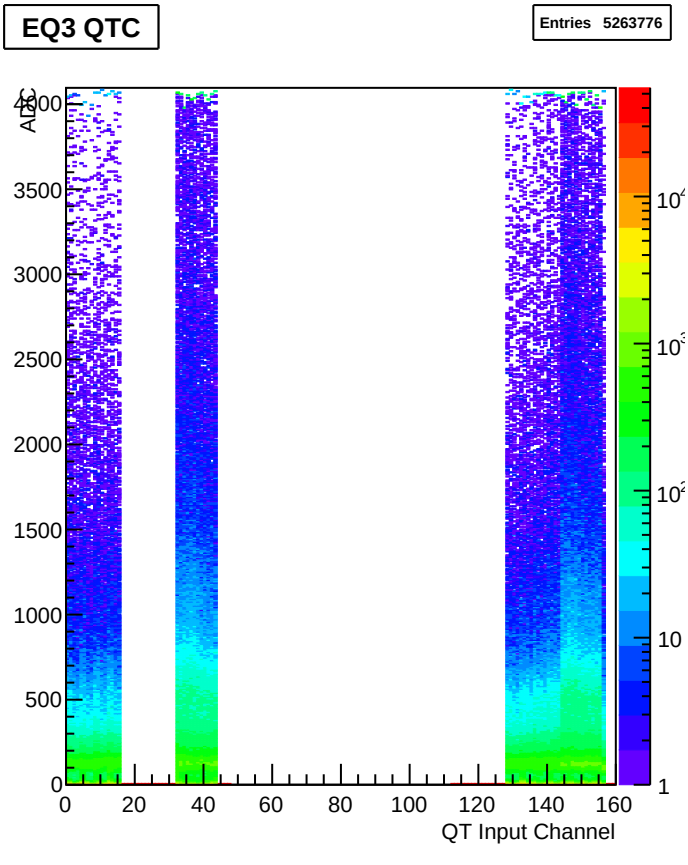

EQ2 QTB
Entries 5496705
TDC
QT Input Channel

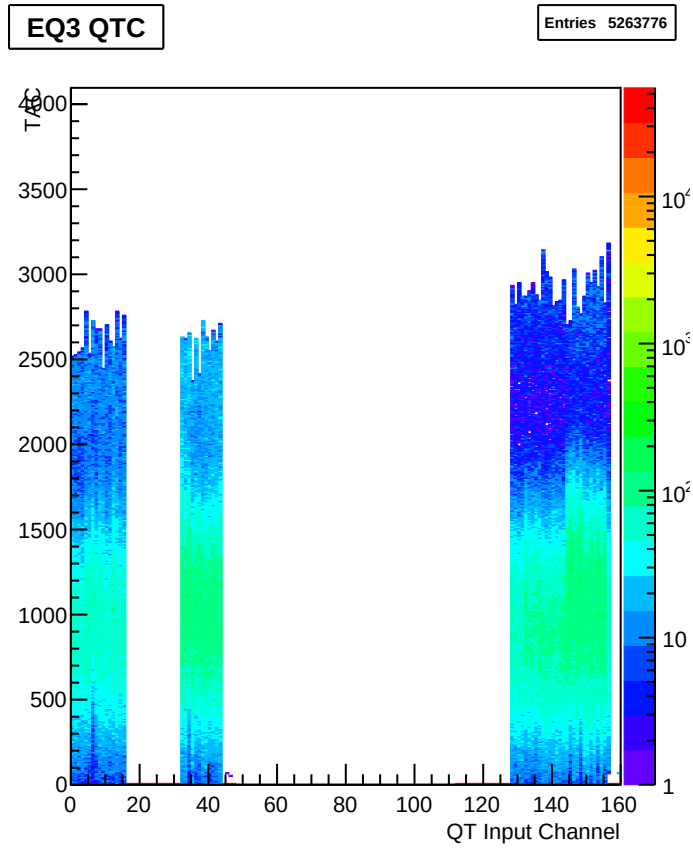

EQ2 QTC
Entries 5263776
ADC
QT Input Channel

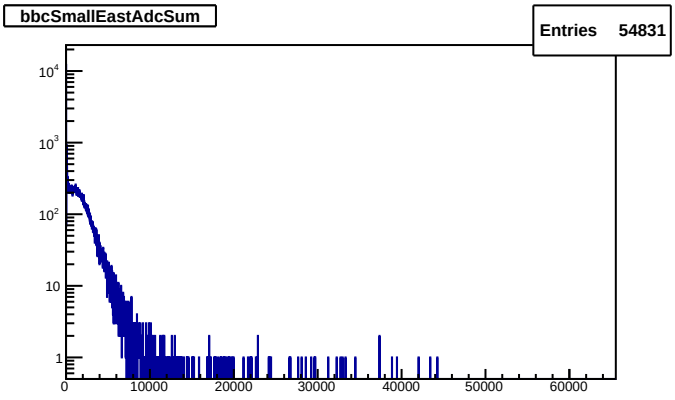

EQ2 QTC
Entries 5263776
TADC
QT Input Channel

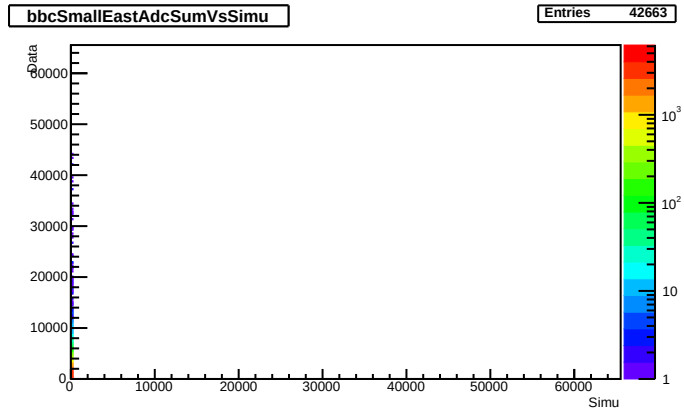

EQ3 QTB
Entries 1.403674e+07
ADC
QT Input Channel

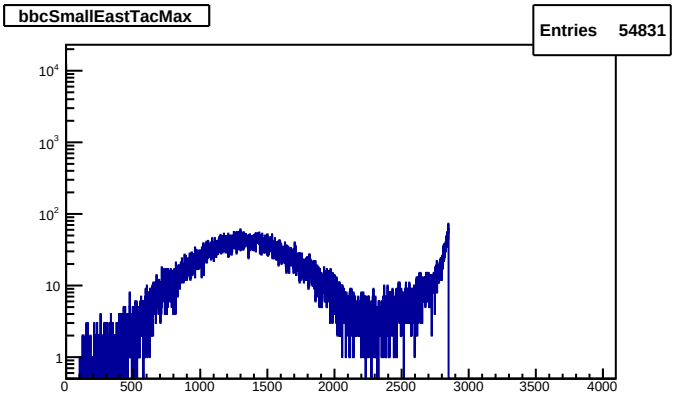

EQ3 QTB
Entries 4376373
TDC
QT Input Channel

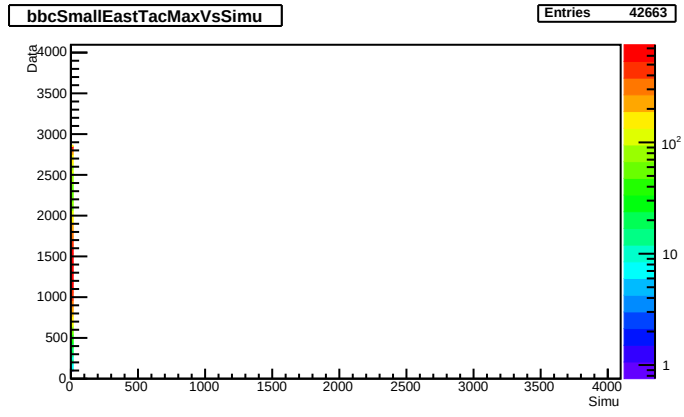

EQ3 QTC
Entries 5263776
ADC
QT Input Channel

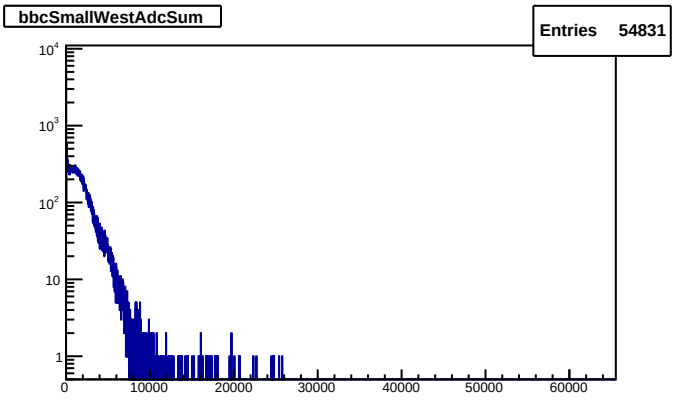

EQ3 QTC
Entries 5263776
TADC
QT Input Channel

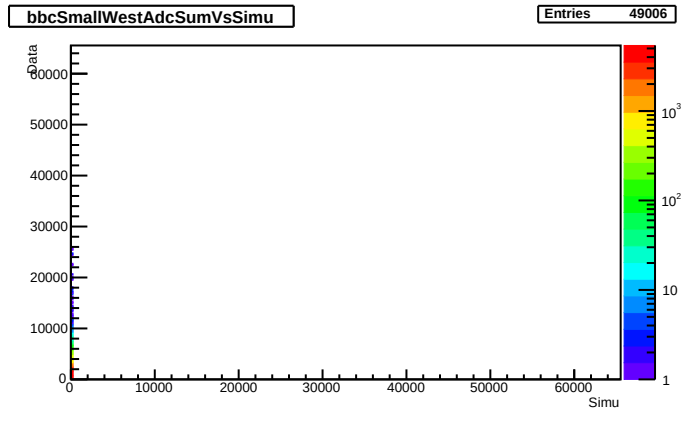

bbcSmallEastAdcSum
Entries 54831


bbcSmallEastAdcSumVsSimu
Entries 42663
Data
Simu


bbcSmallEastTacMax
Entries 54831


bbcSmallEastTacMaxVsSimu
Entries 42663
Data
Simu


bbcSmallWestAdcSum
Entries 54831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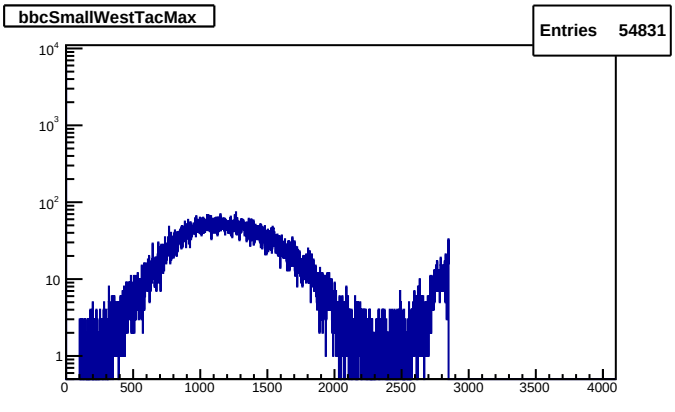
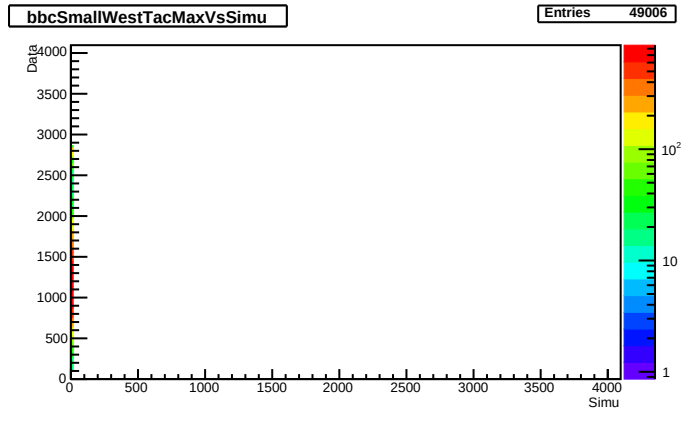
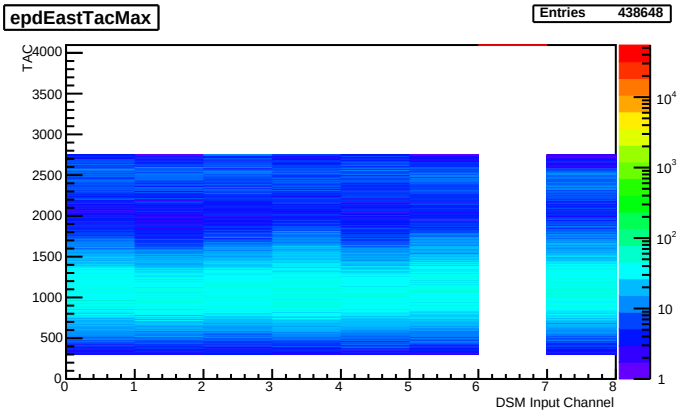
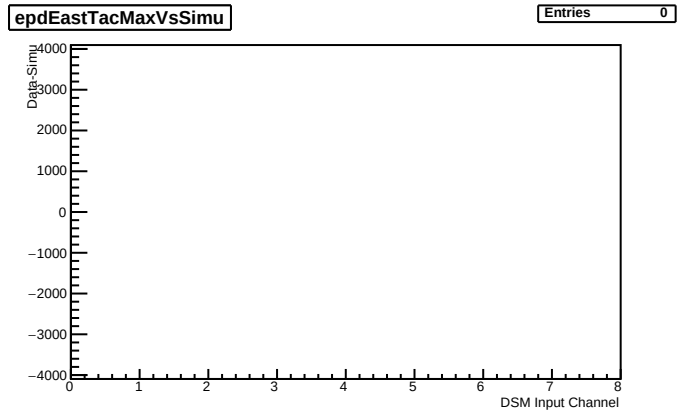
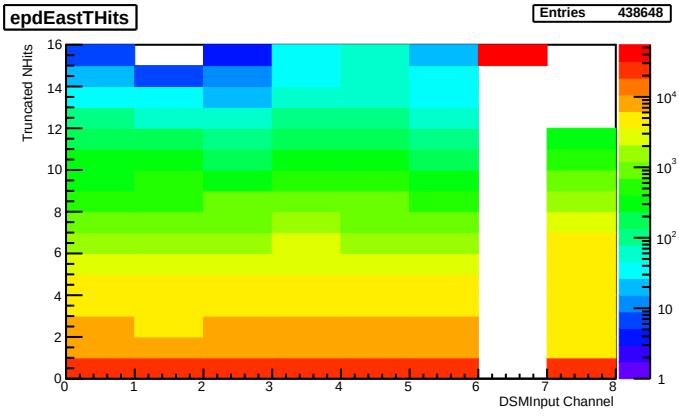
Entries 49006
Data
Simu

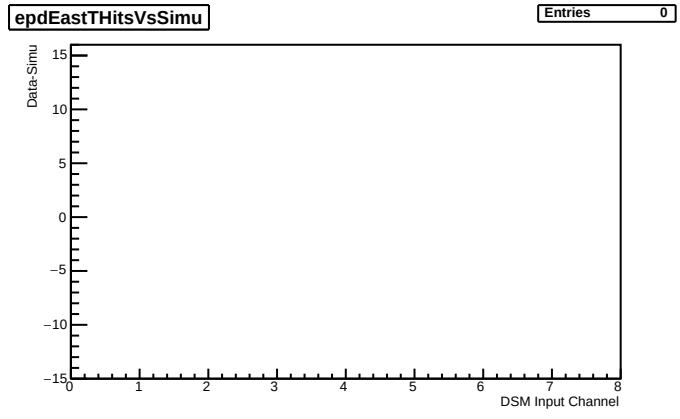

bbcSmallWestTacMax
Entries 54831


bbcSmallWestTacMaxVsSimu
Entries 49006
Data
Simu


epdEastTacMax
Entries 438648
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 438648
Truncated NHits
DSMInput Channel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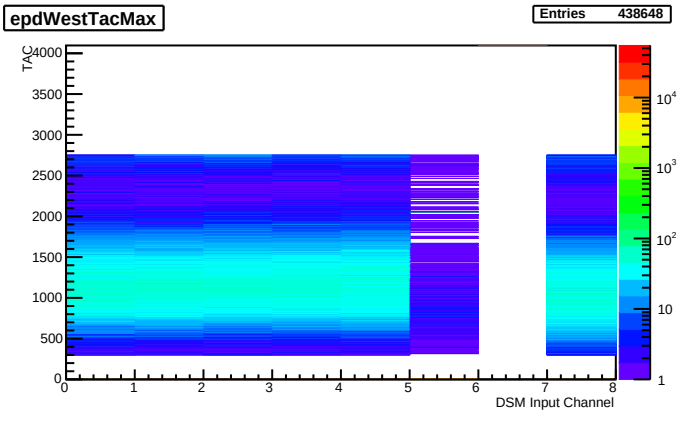
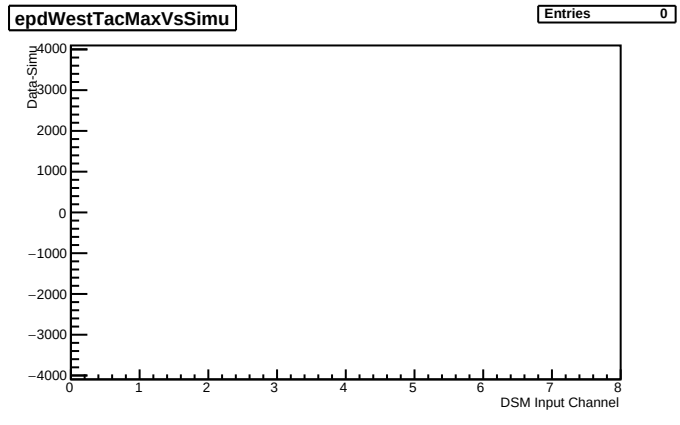
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 438648
TAC
DSM Input Channel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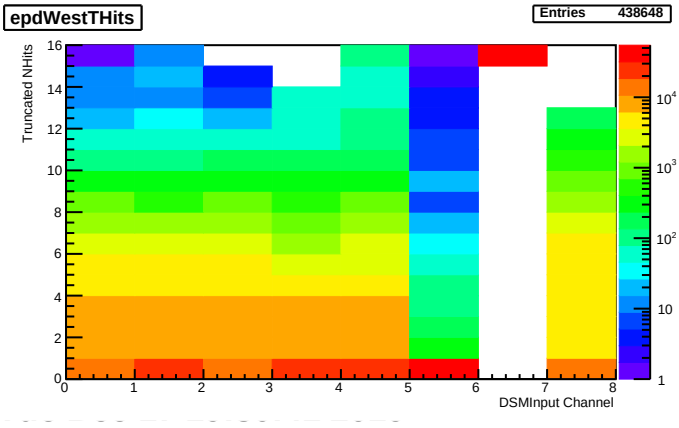
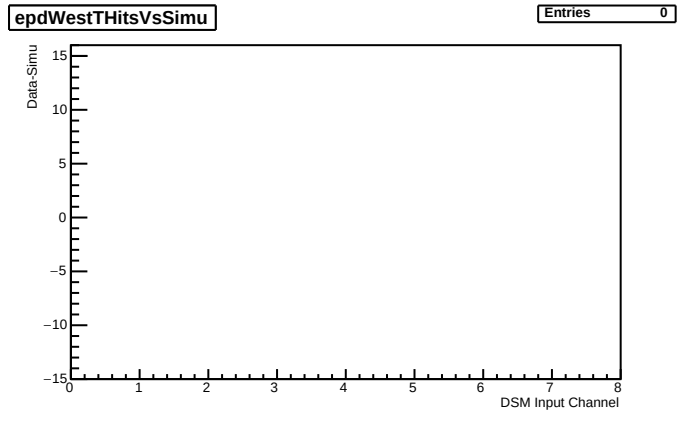
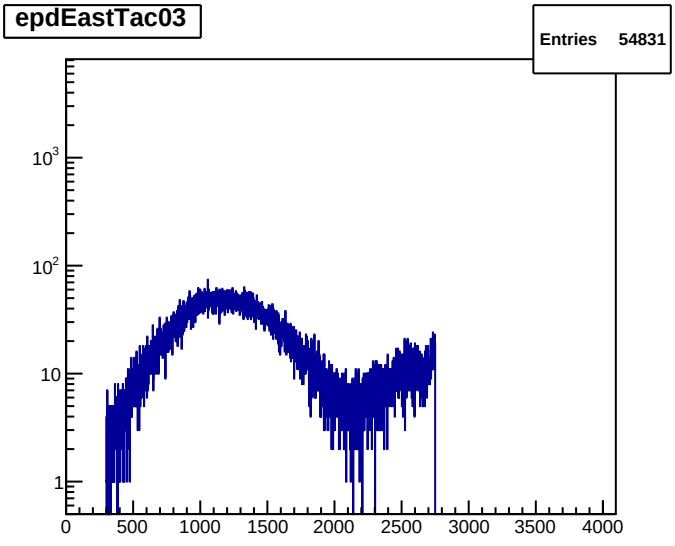
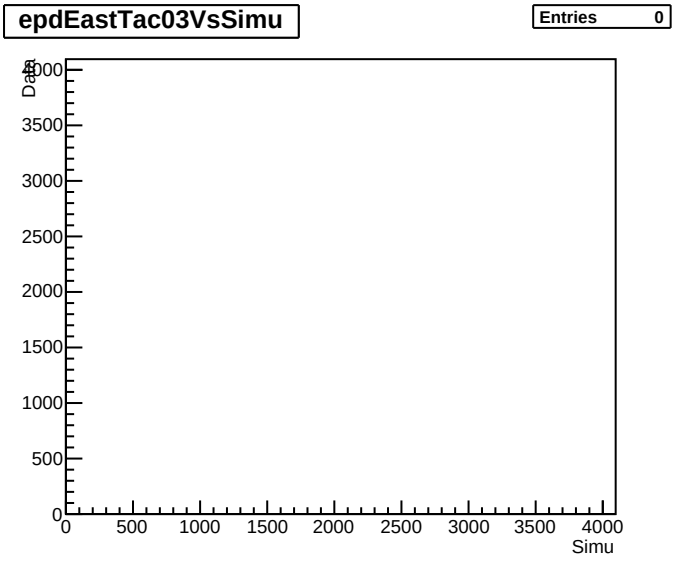
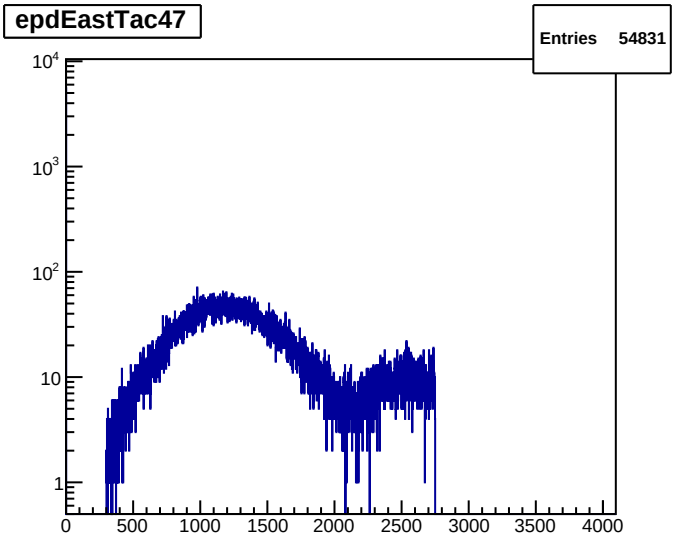
Entries 0
Data-Simu
DSM Input Channel

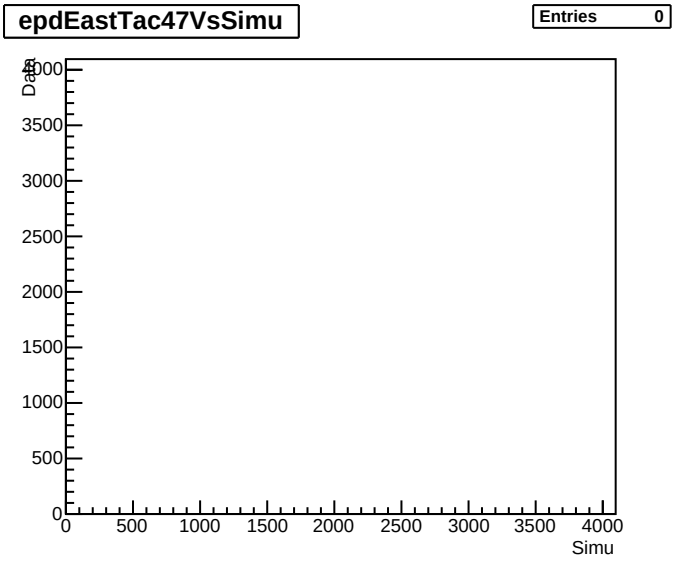

epdWestTHits
Entries 438648
Truncated NHits
DSMInput Channel

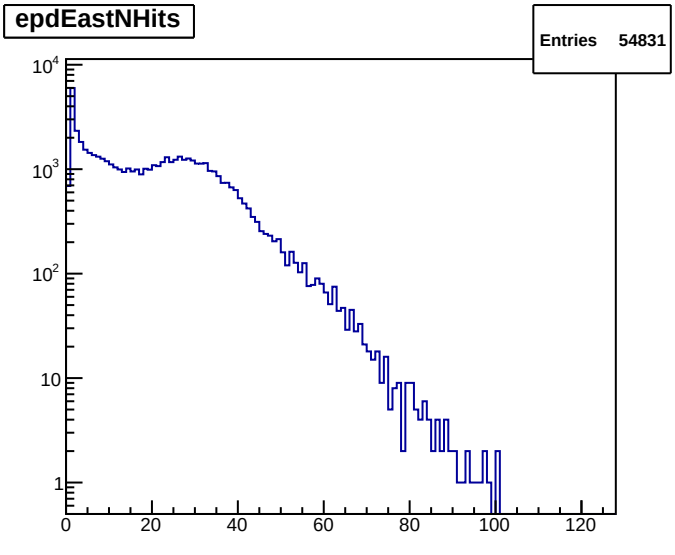

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

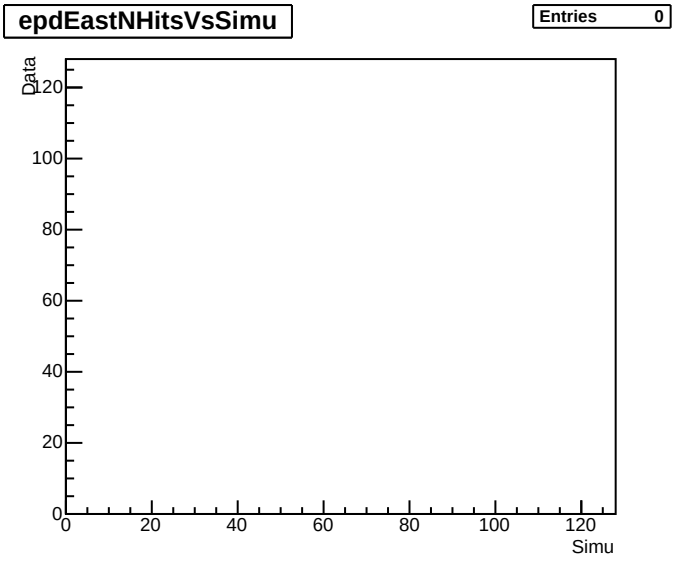

epdEastTac03
Entries 54831

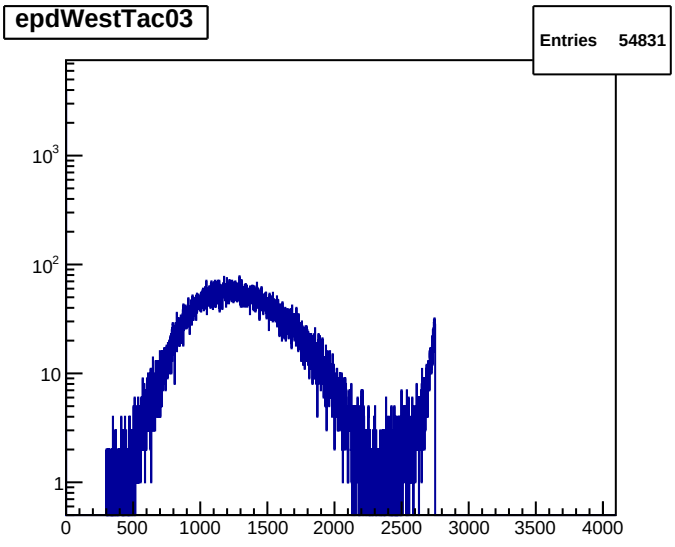

epdEastTac03VsSimu
Entries 0
Data
Simu

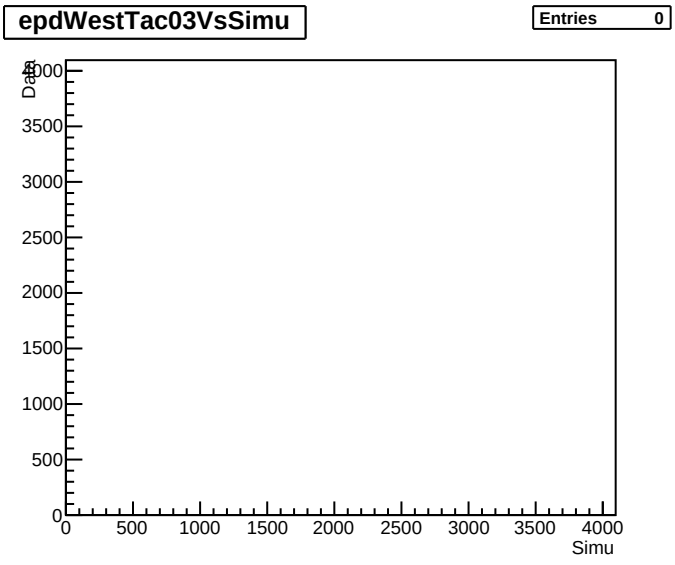

epdEastTac47
Entries 54831


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 54831


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 54831
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac03VsSimu
Entries 0
Data
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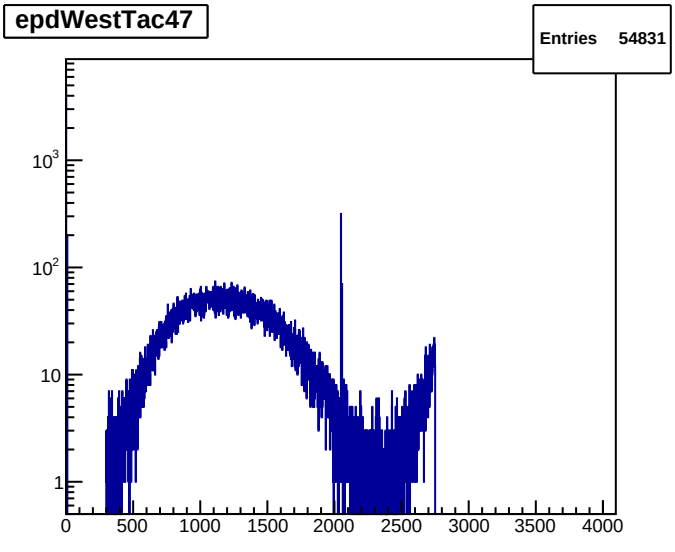
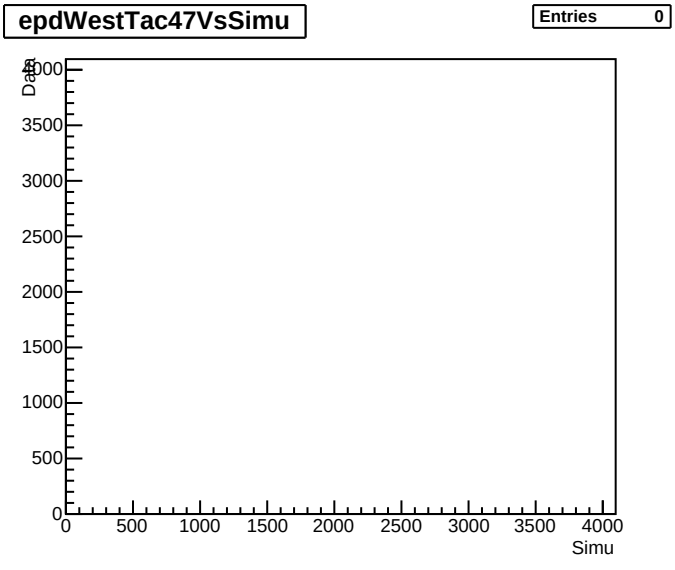
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 54831
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac47VsSimu
Entries 0
Data
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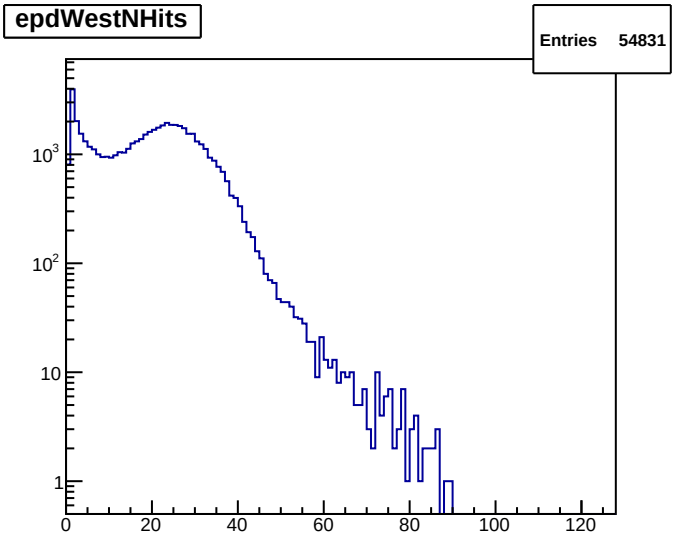
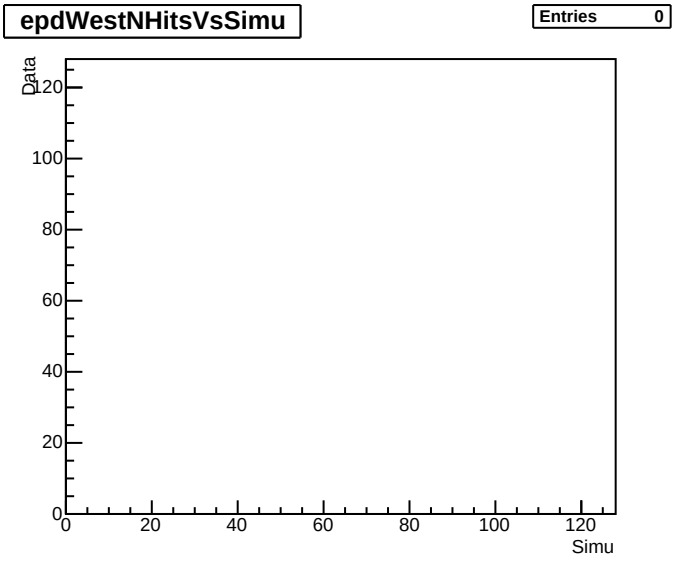
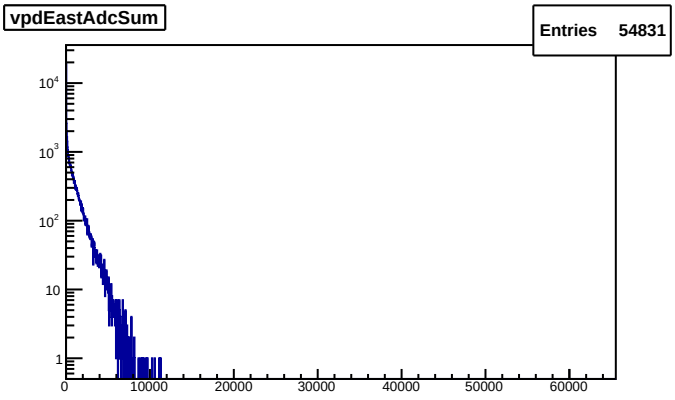
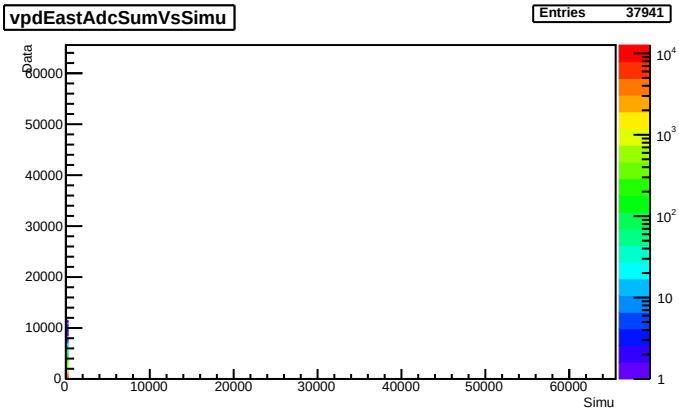
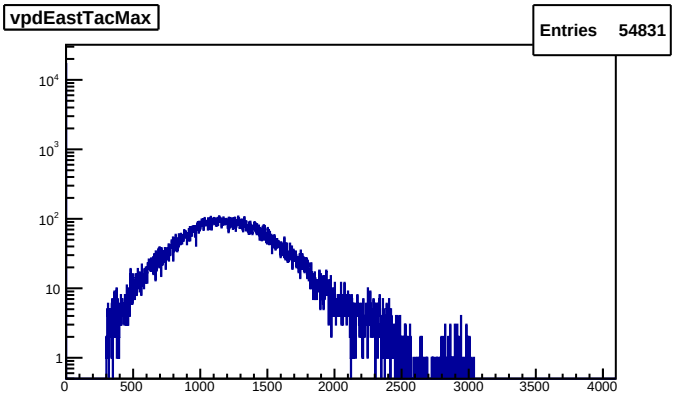
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

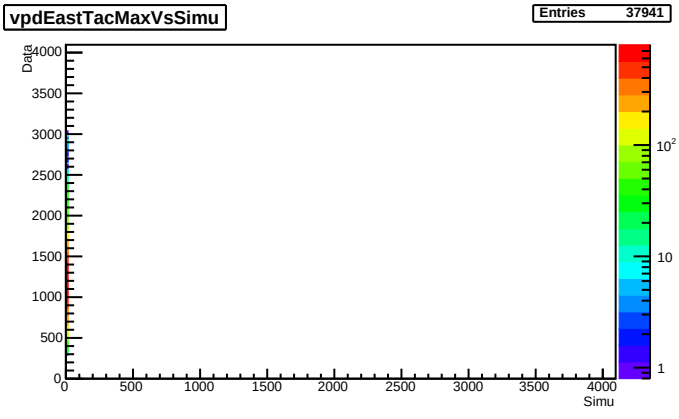

epdWestNHits
Entries 54831
10^3
10^2
10
1
0 20 40 60 80 100 120

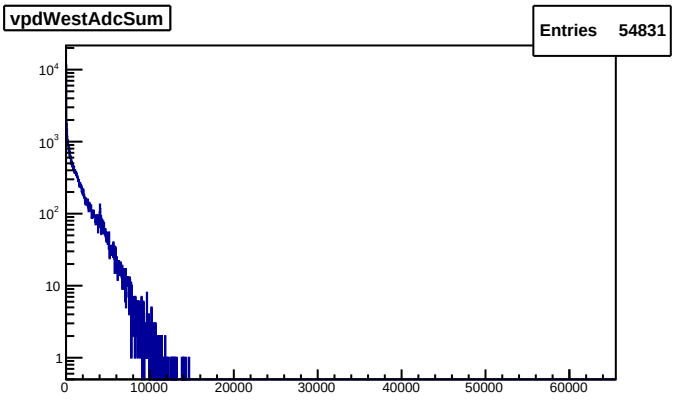

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

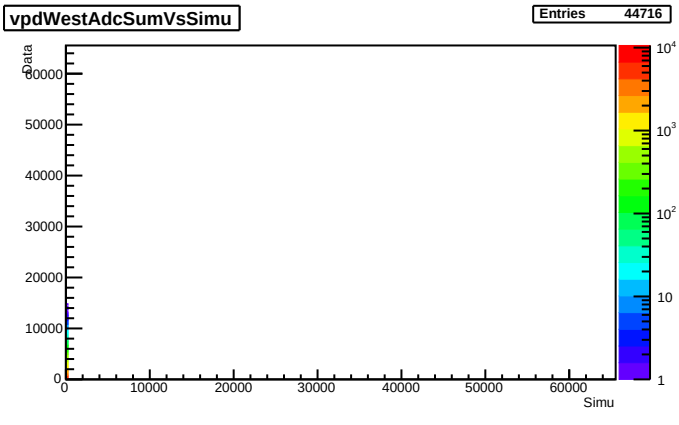

vpdEastAdcSum
Entries 54831

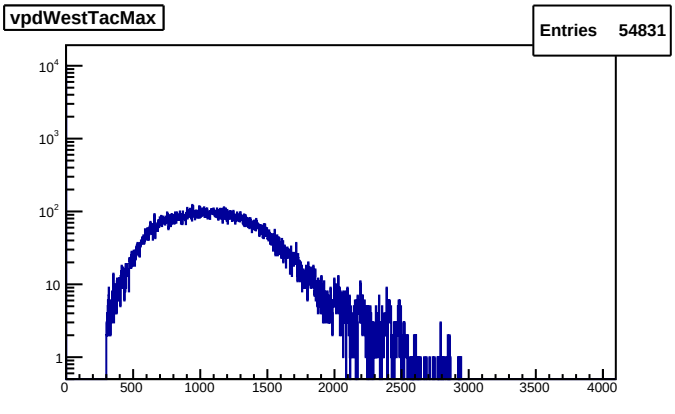

vpdEastAdcSumVsSimu
Entries 37941
Data
Simu

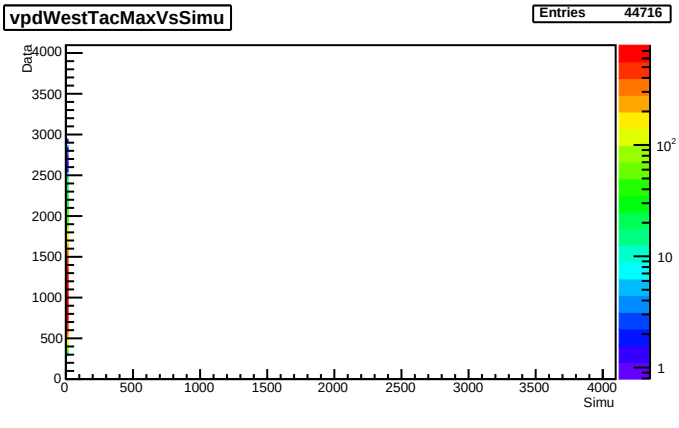

vpdEastTacMax
Entries 54831

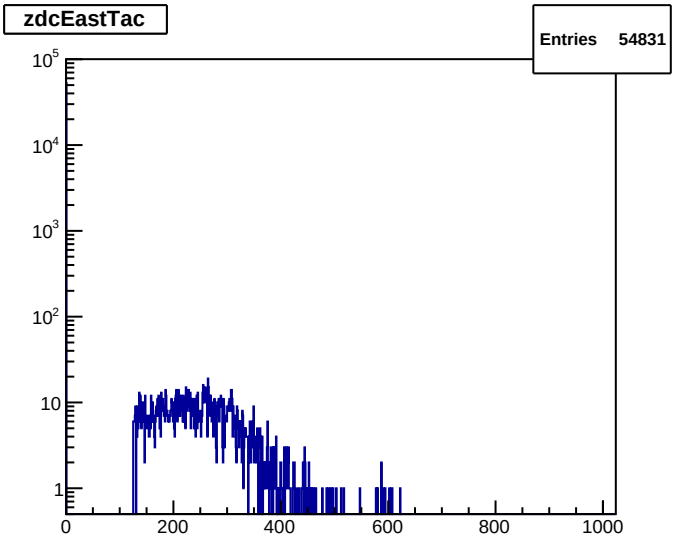

vpdEastTacMaxVsSimu
Entries 37941
Data
Simu

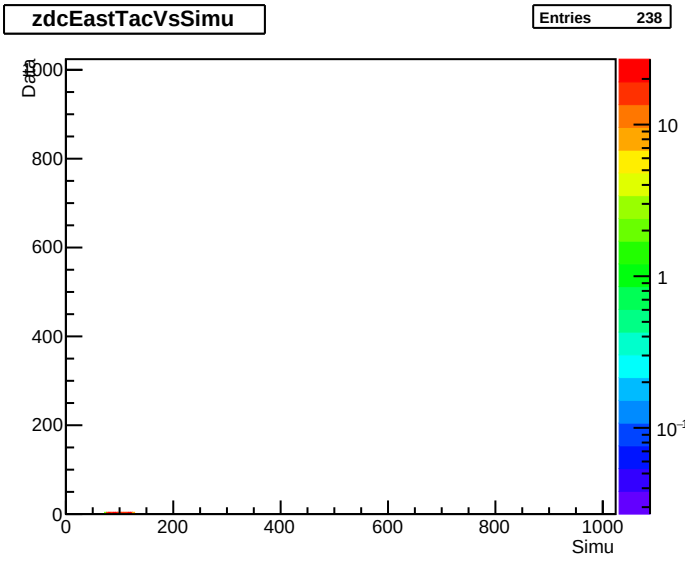

vpdWestAdcSum
Entries 54831

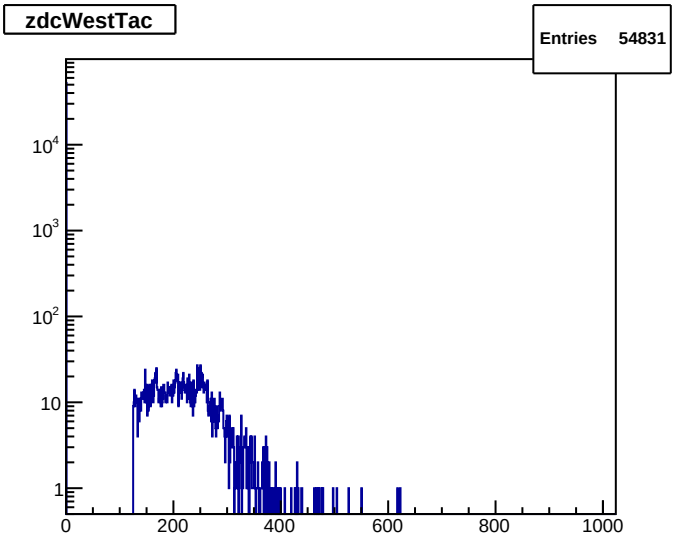

vpdWestAdcSumVsSimu
Entries 44716
Data
Simu

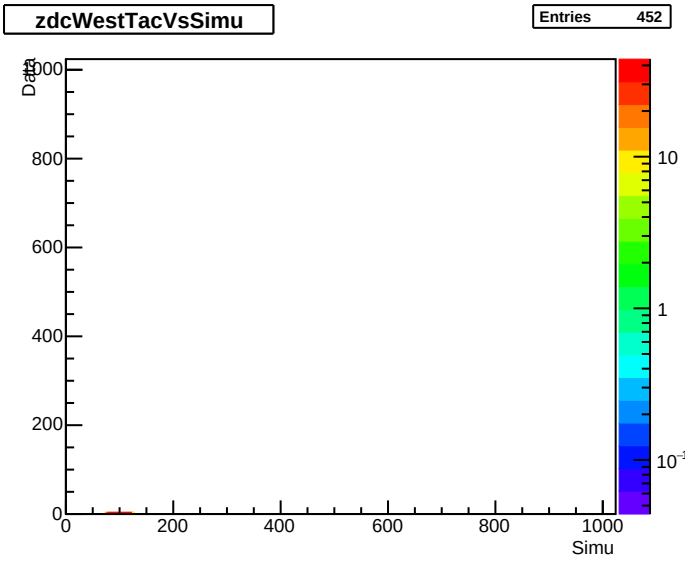

vpdWestTacMax
Entries 54831

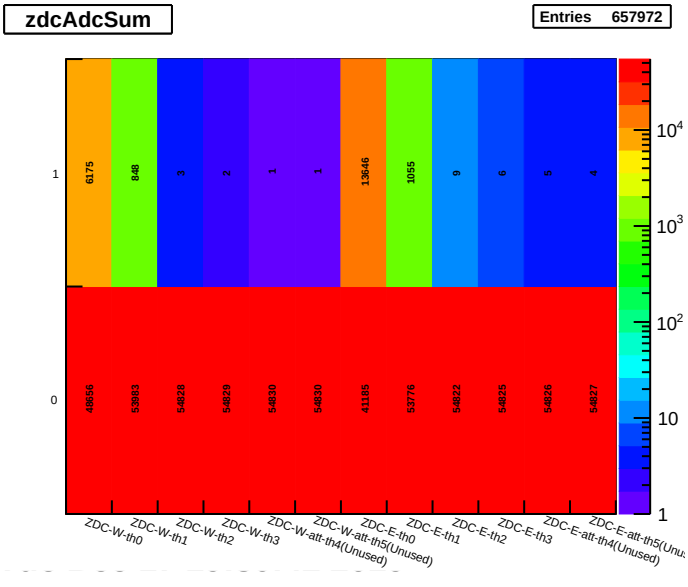

vpdWestTacMaxVsSimu
Entries 44716
Data
Simu

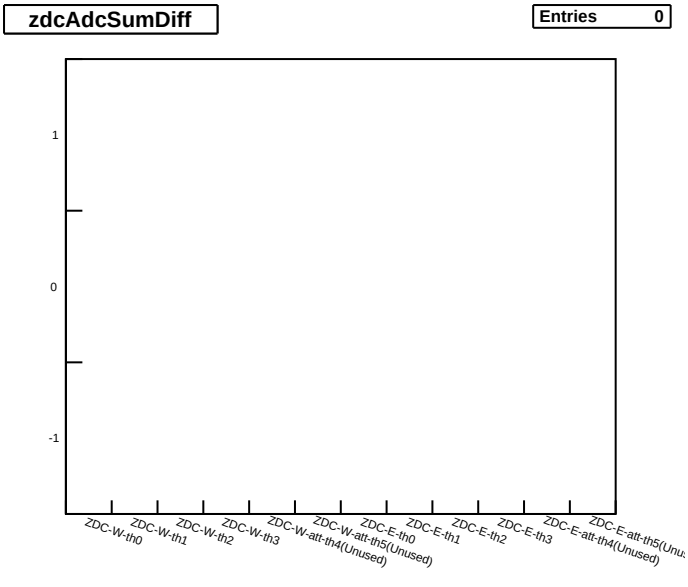

zdcEastTac
Entries 54831

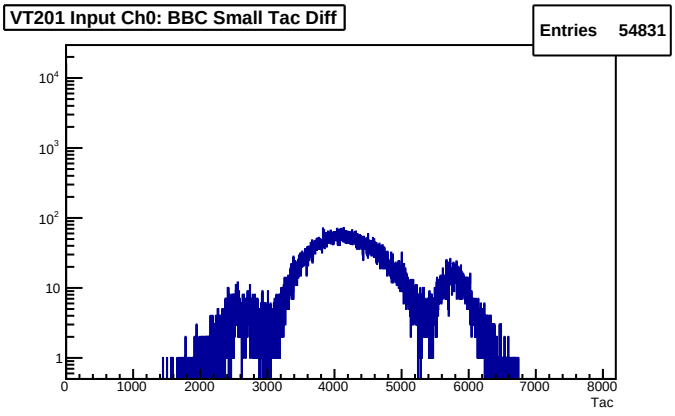

zdcEastTacVsSimu
Entries 238
Data
Simu

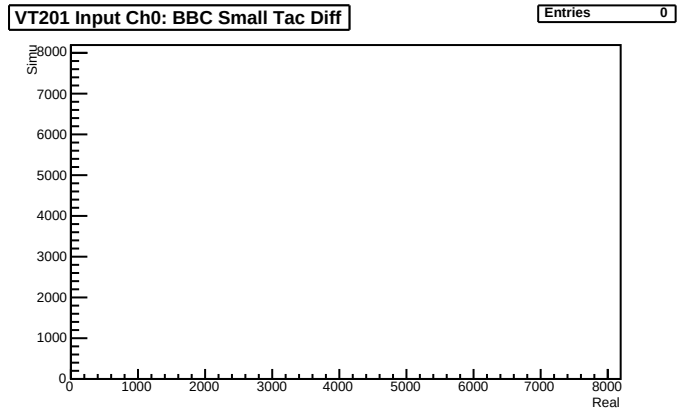

zdcWestTac
Entries 54831

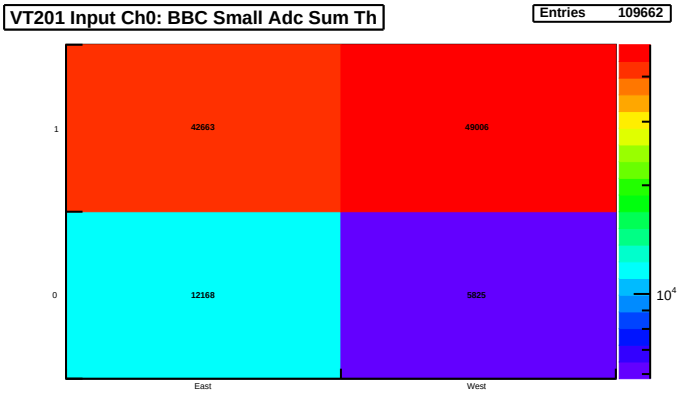

zdcWestTacVsSimu
Entries 452
Data
Simu

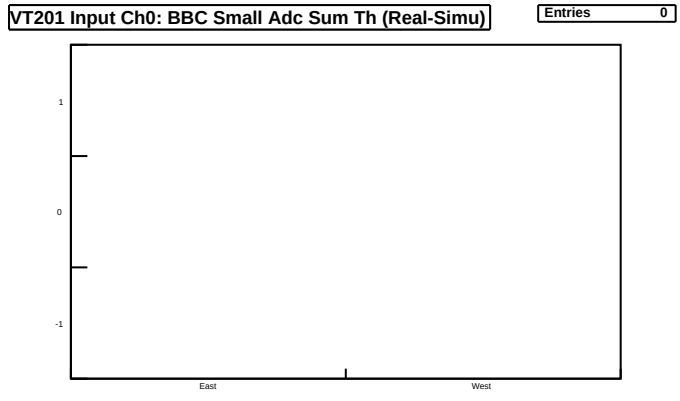

zdcAdcSum
Entries 657972
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

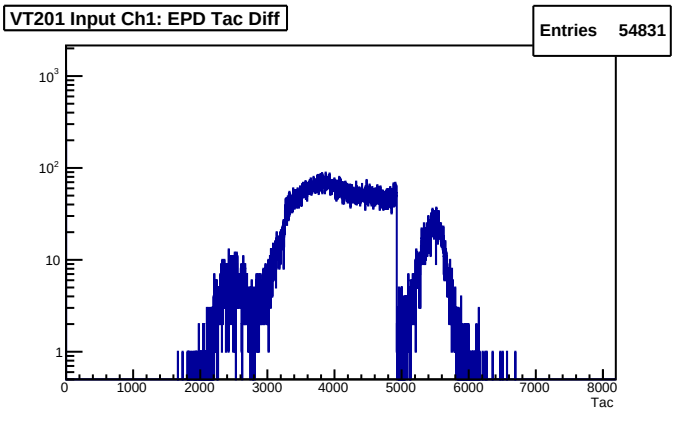

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

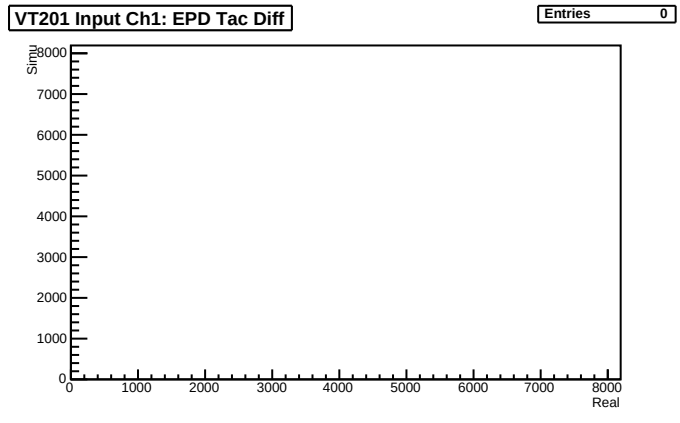

VT201 Input Ch0: BBC Small Tac Diff
Entries 54831
Tac

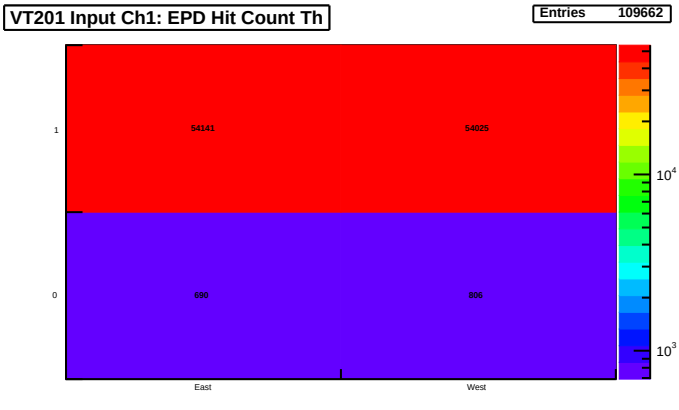

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

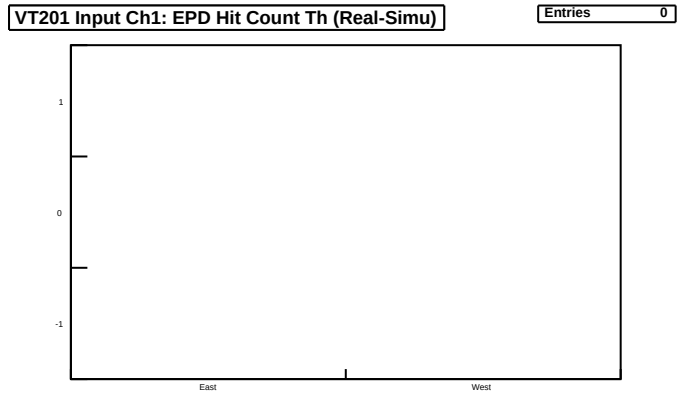

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 109662
42663
49006
12168
5825
East
West

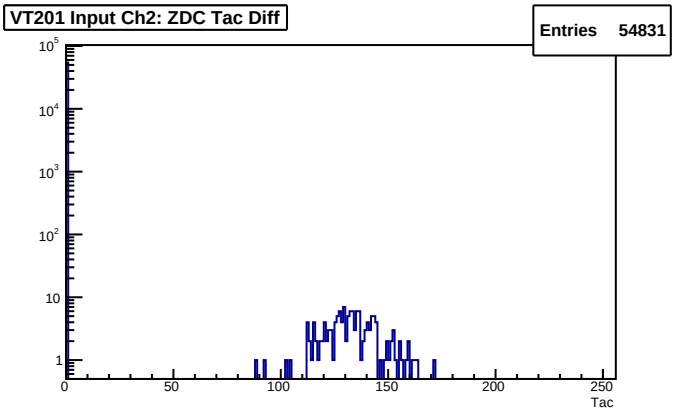

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

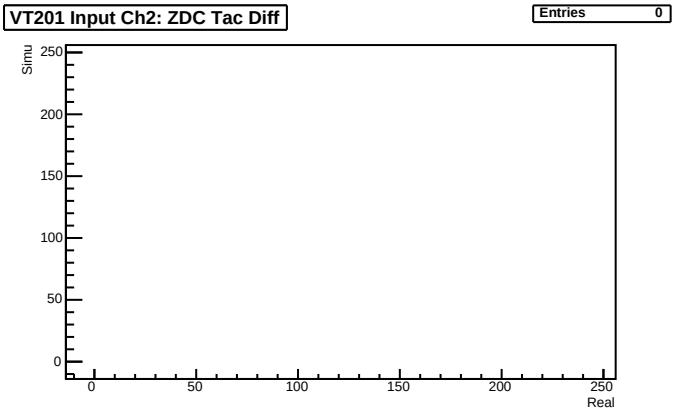

VT201 Input Ch1: EPD Tac Diff
Entries 54831
Tac

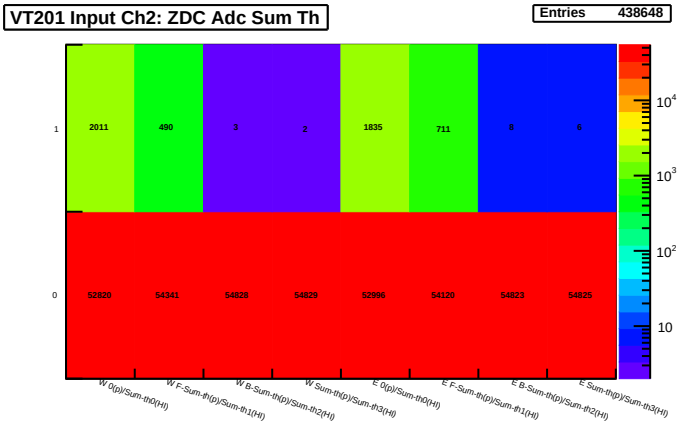

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

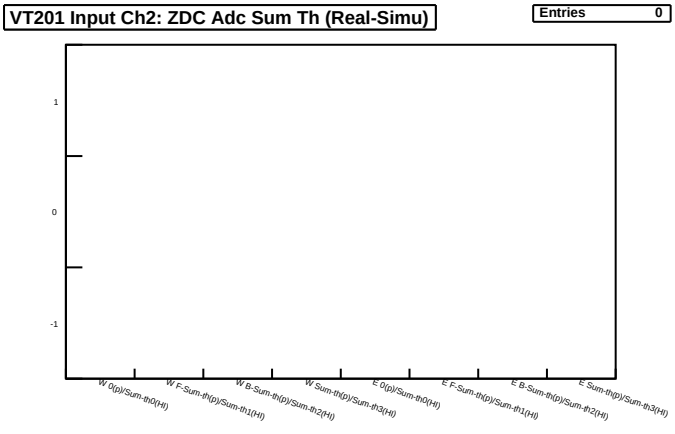

VT201 Input Ch1: EPD Hit Count Th
Entries 109662
54141
54025
690
806
East
West

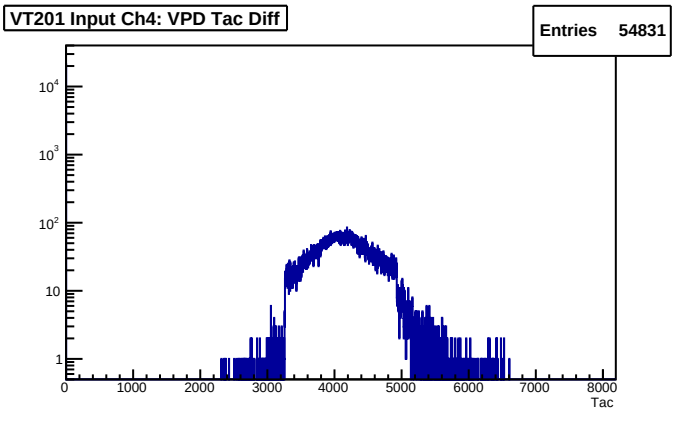

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

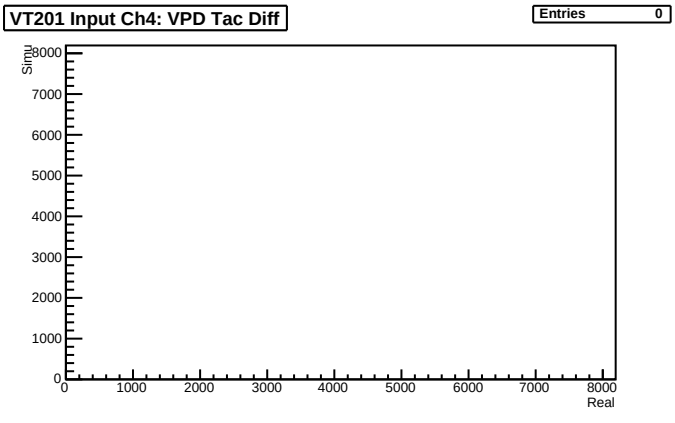

VT201 Input Ch2: ZDC Tac Diff
Entries 54831
Tac

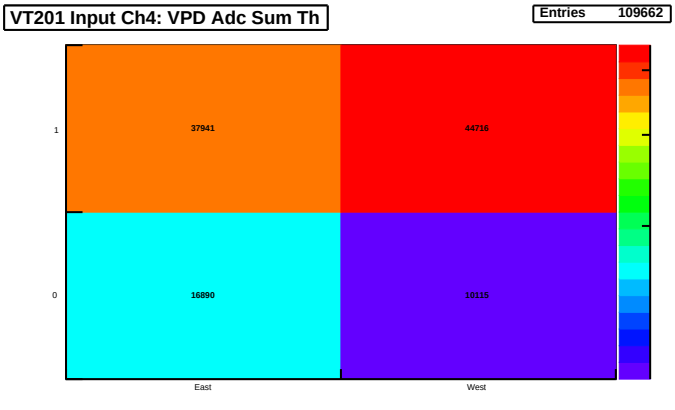

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

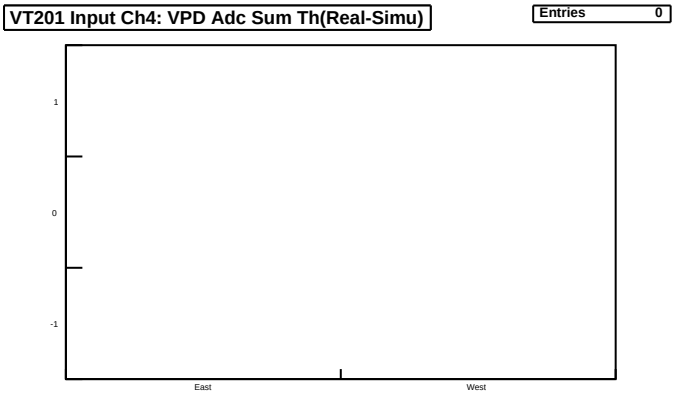

VT201 Input Ch2: ZDC Adc Sum Th
Entries 438648
2011
490
3
2
1835
711
8
6
52820
54341
54828
54829
52996
54120
54823
54825
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

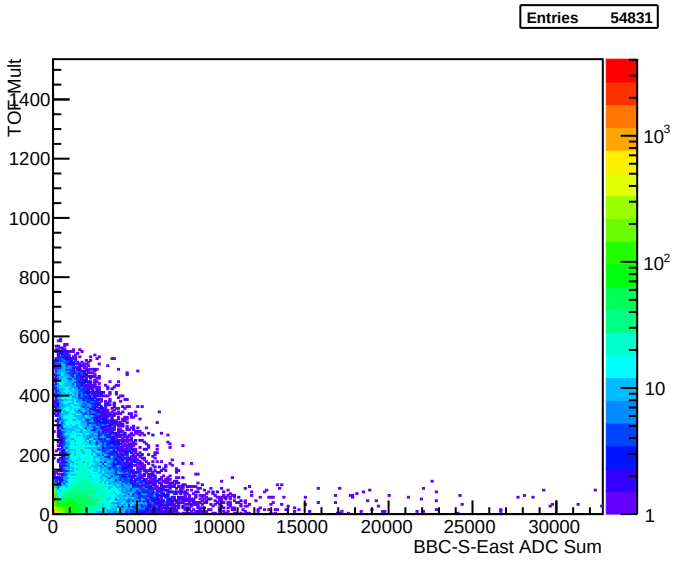

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

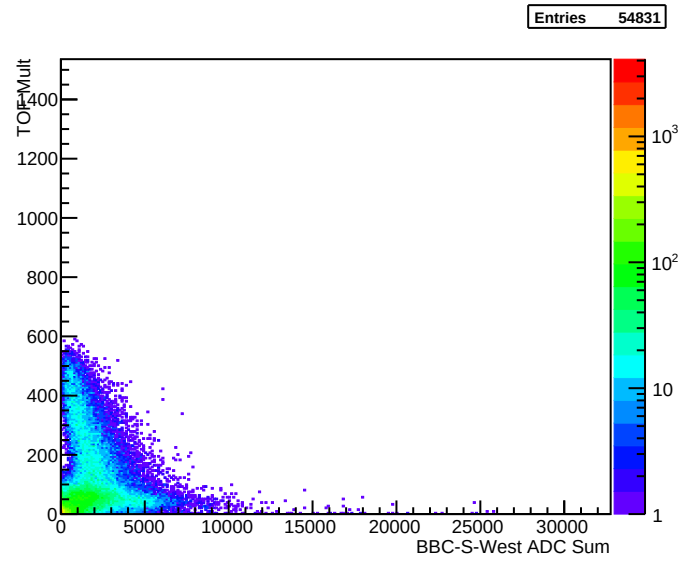

VT201 Input Ch4: VPD Tac Diff
Entries 54831
Tac

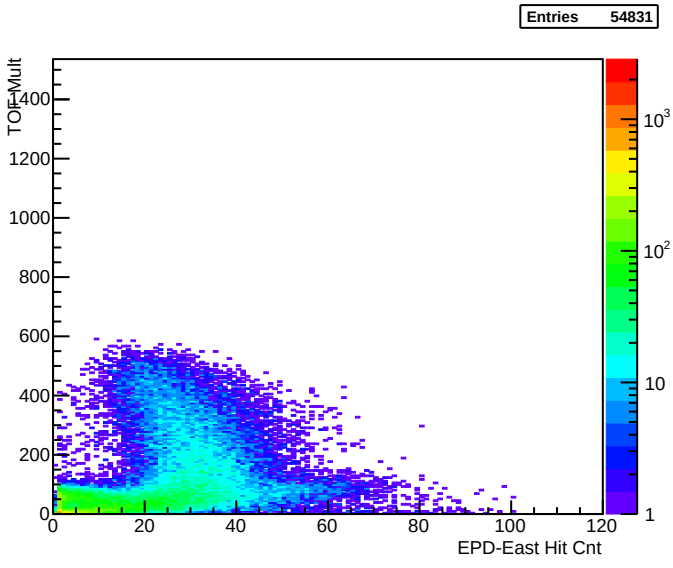

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

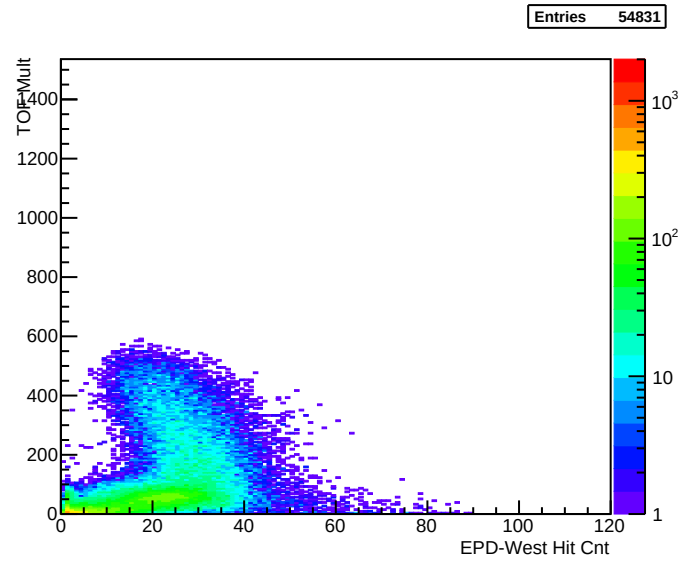

VT201 Input Ch4: VPD Adc Sum Th
Entries 109662
37941
44716
16890
10115
East
West

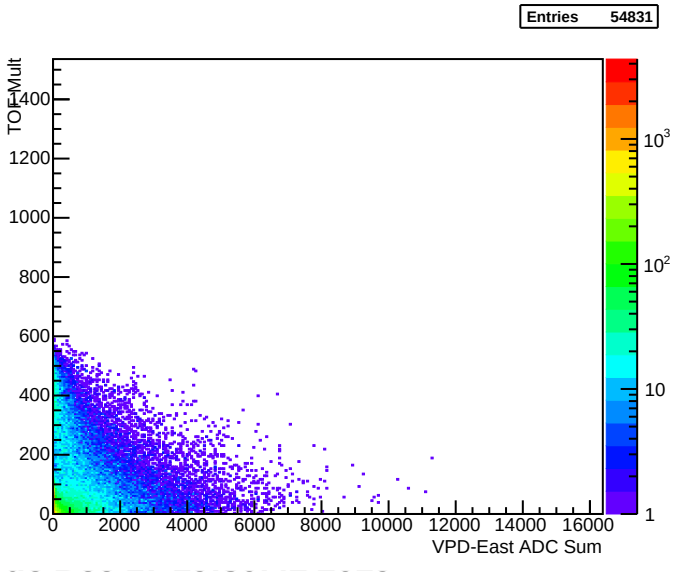

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

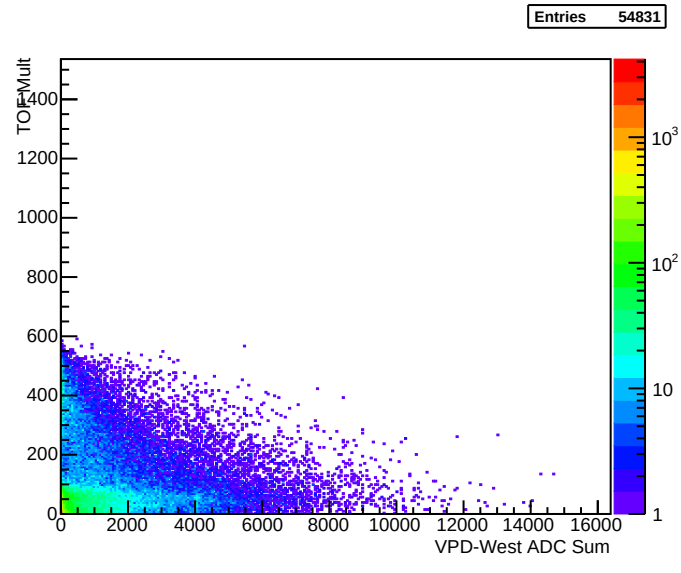

Entries 54831
TOF-Mult
BBC-S-East ADC Sum

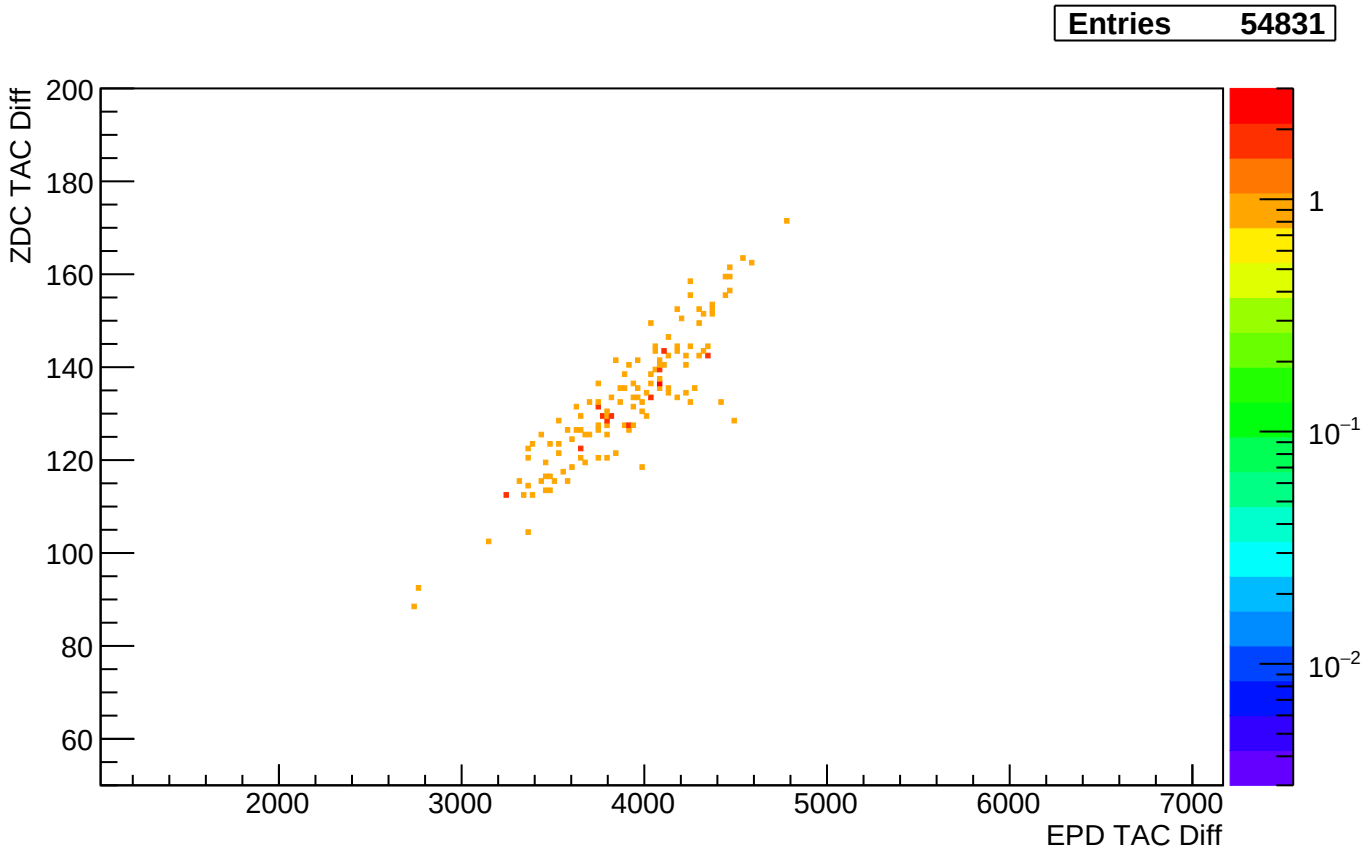

Entries 54831
TOF-Mult
BBC-S-West ADC Sum

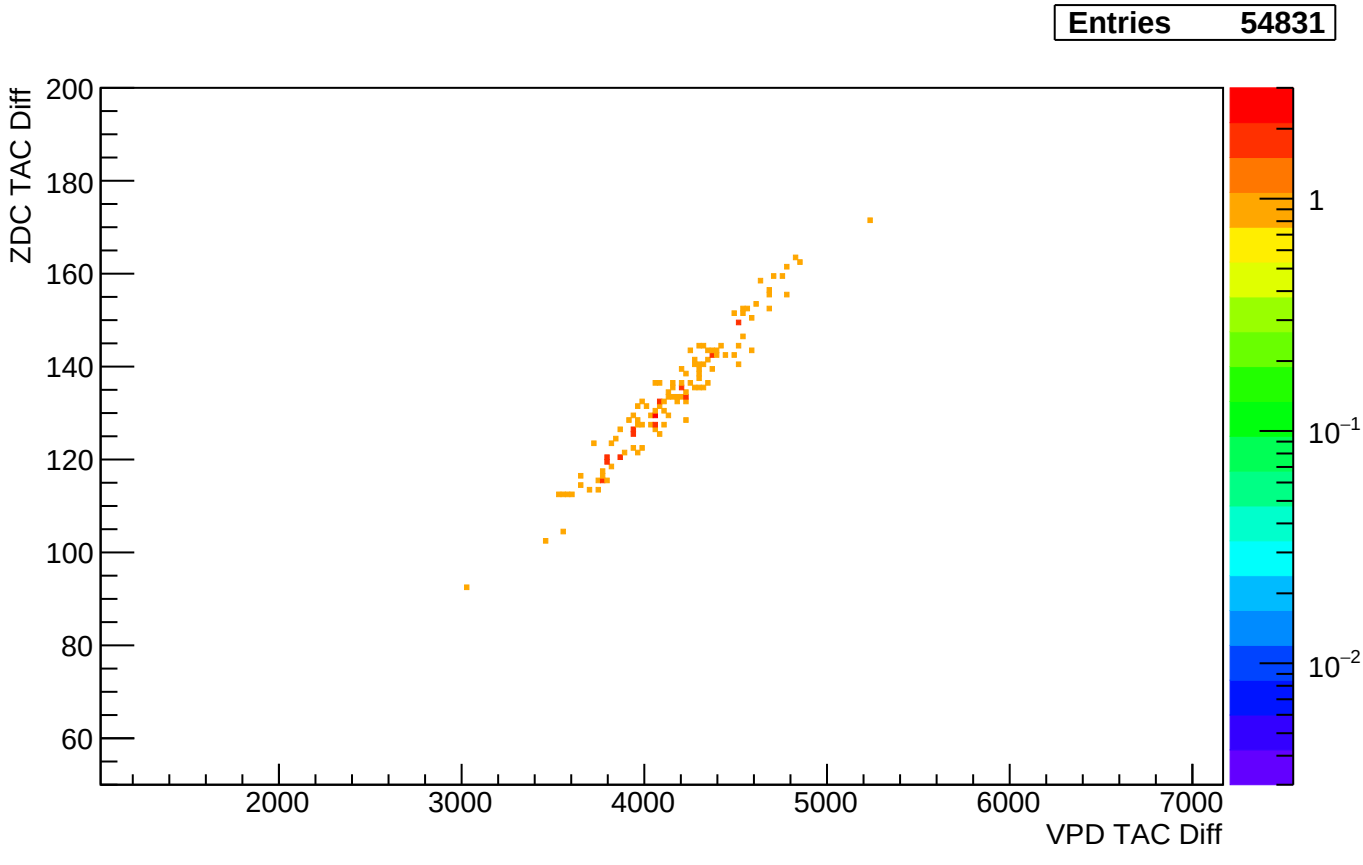

Entries 54831
TOF-Mult
EPD-East Hit Cnt

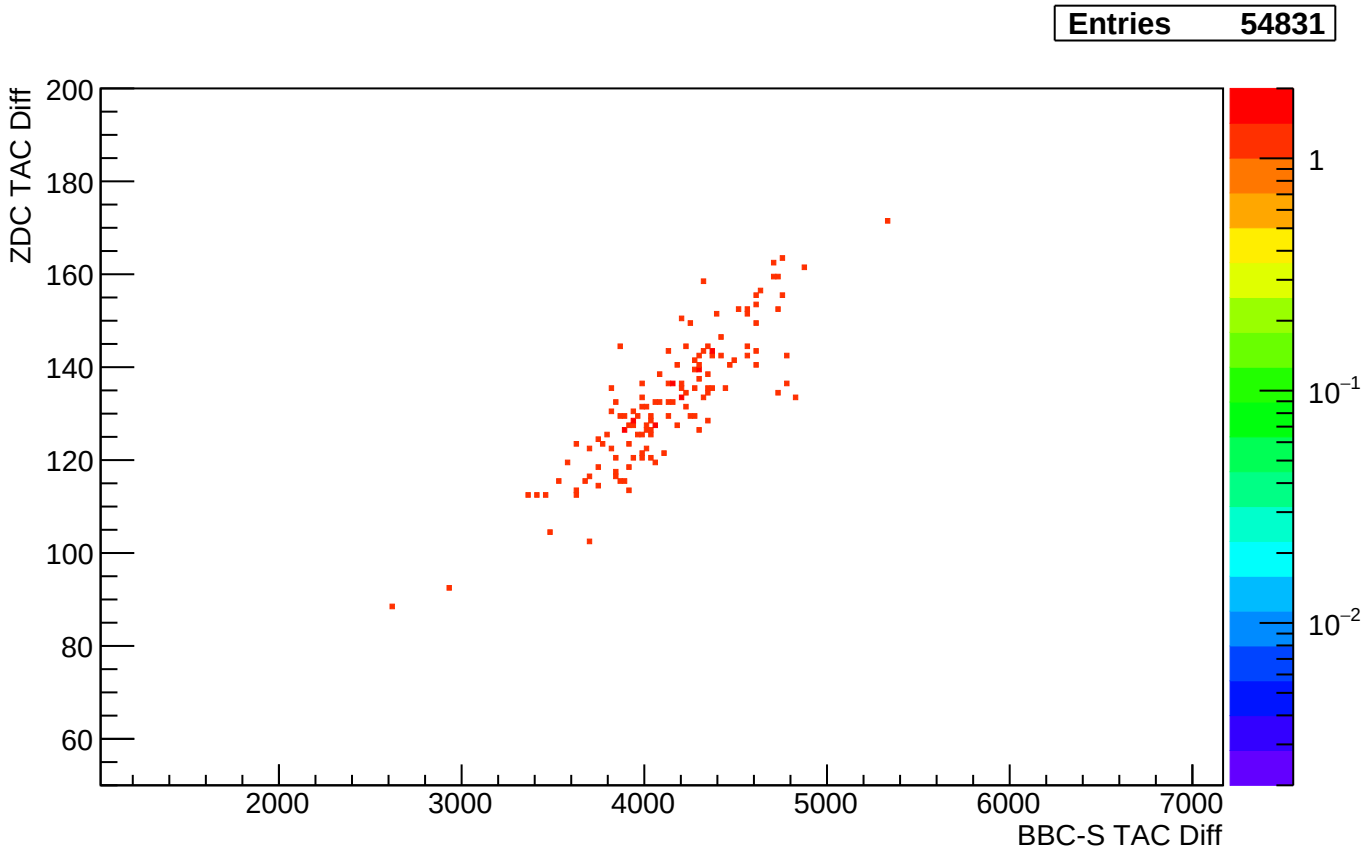

Entries 54831
TOF-Mult
EPD-West Hit Cnt

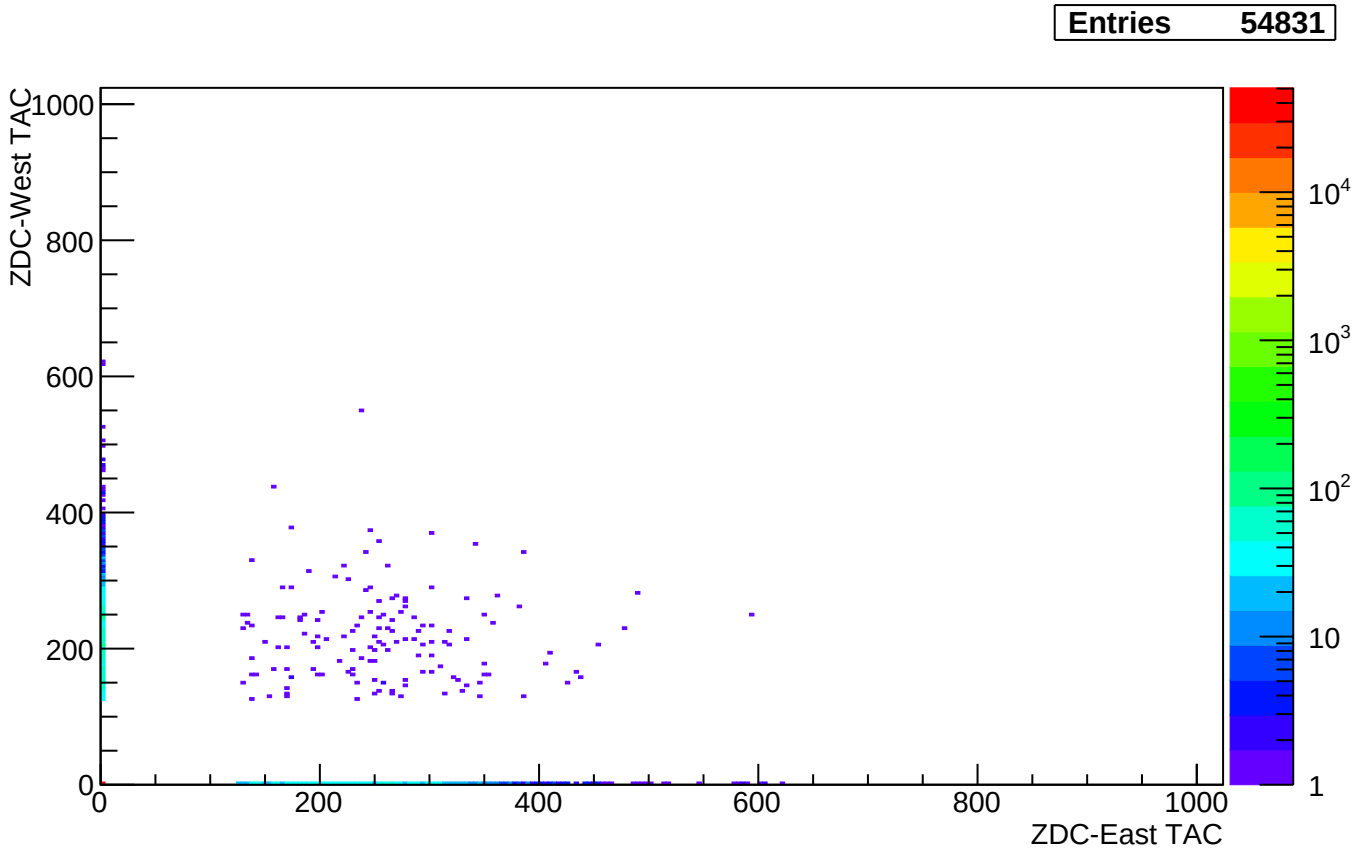

Entries 54831
TOF-Mult
VPD-East ADC Sum

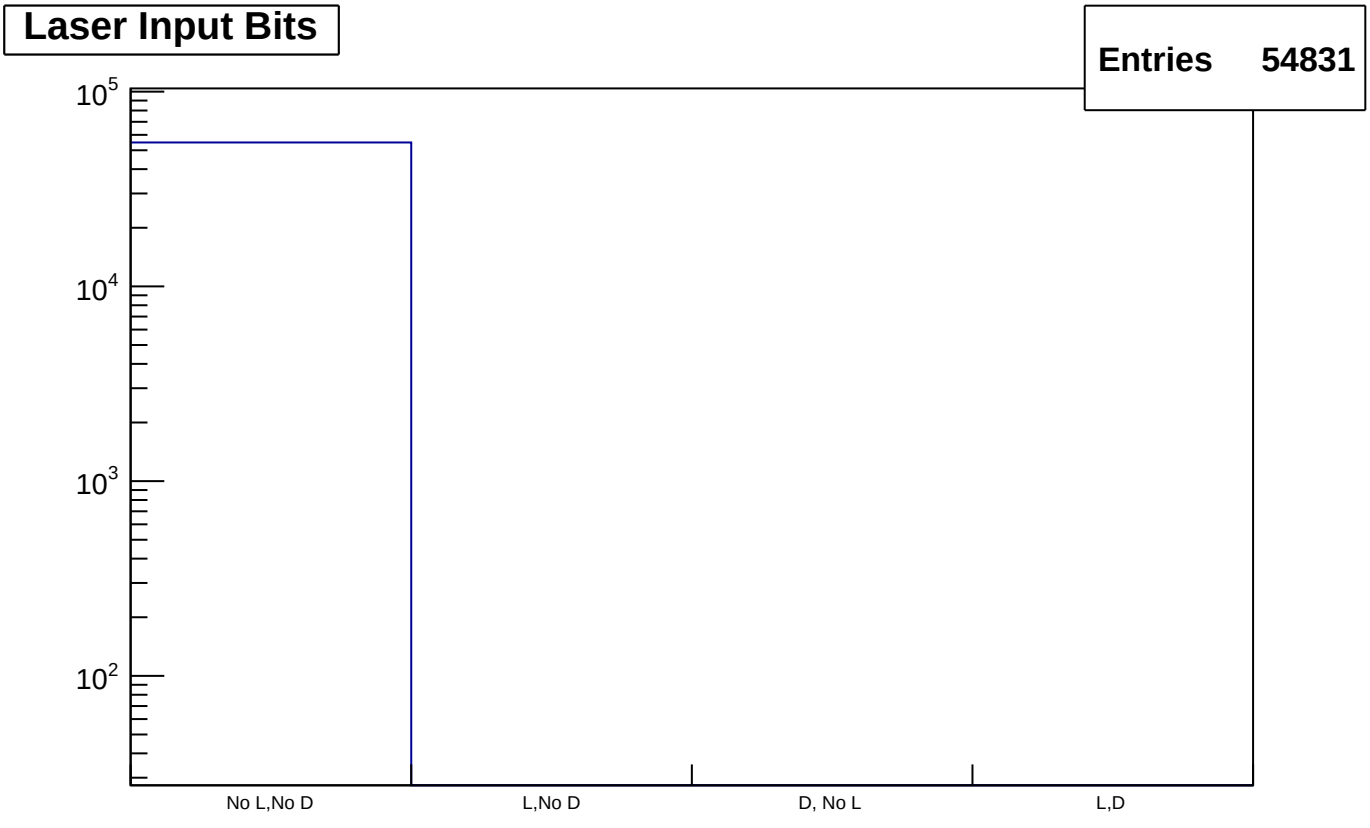

Entries 54831
TOF-Mult
VPD-West ADC Sum

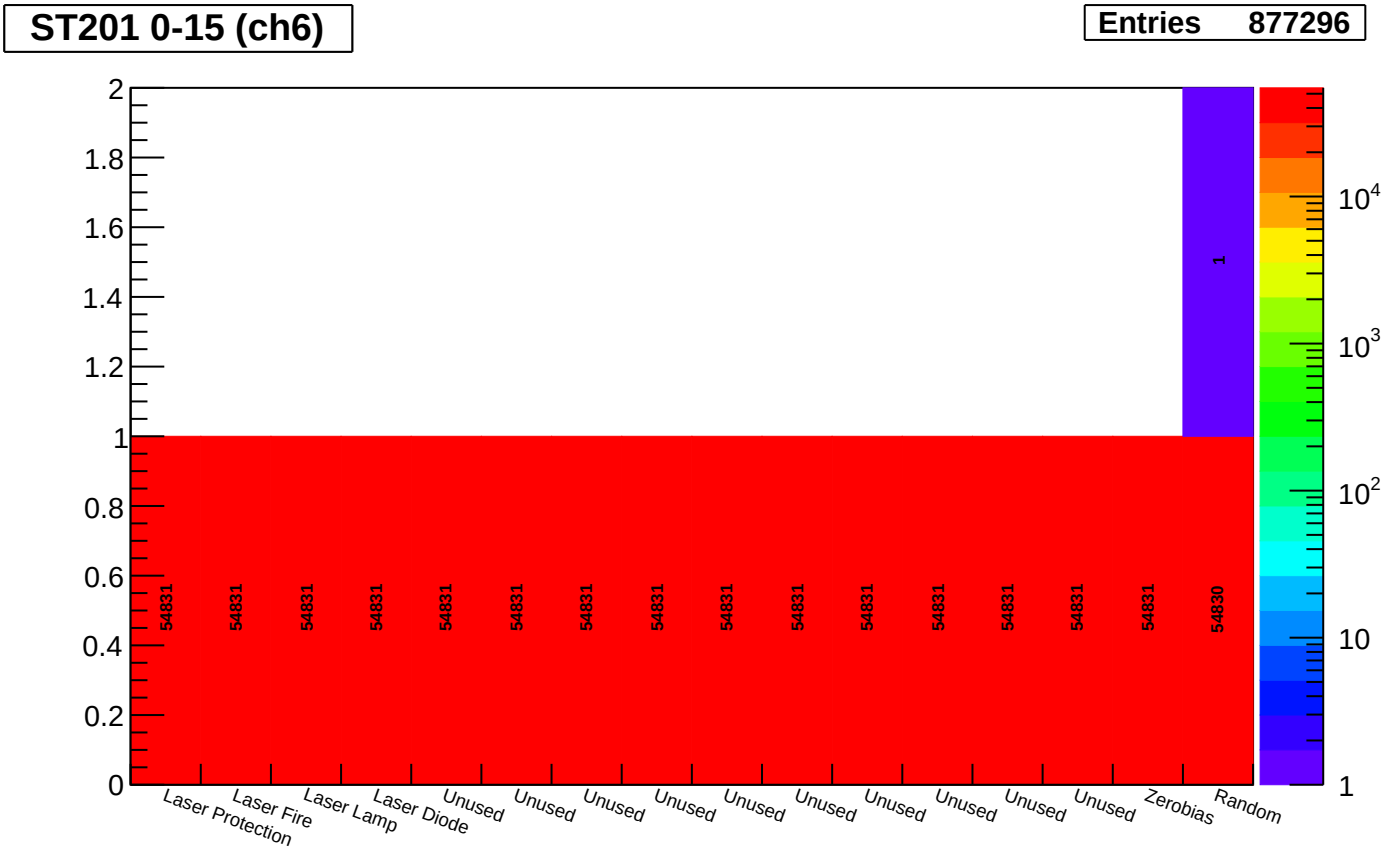

Entries 54831
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

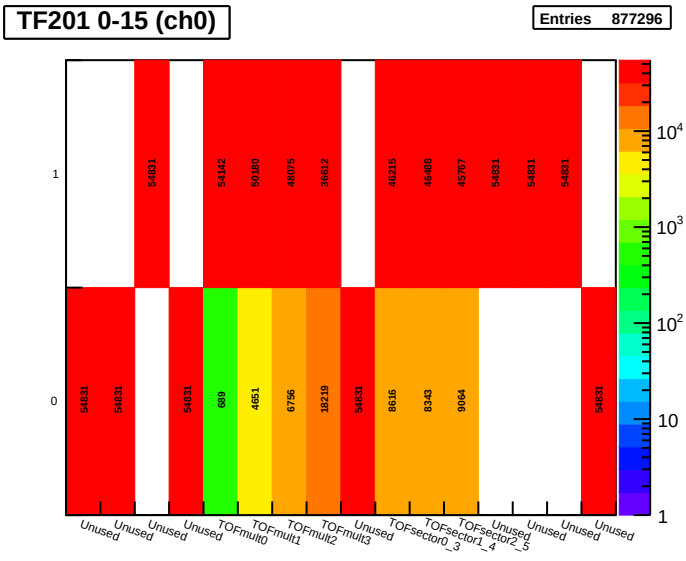

Entries 54831
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

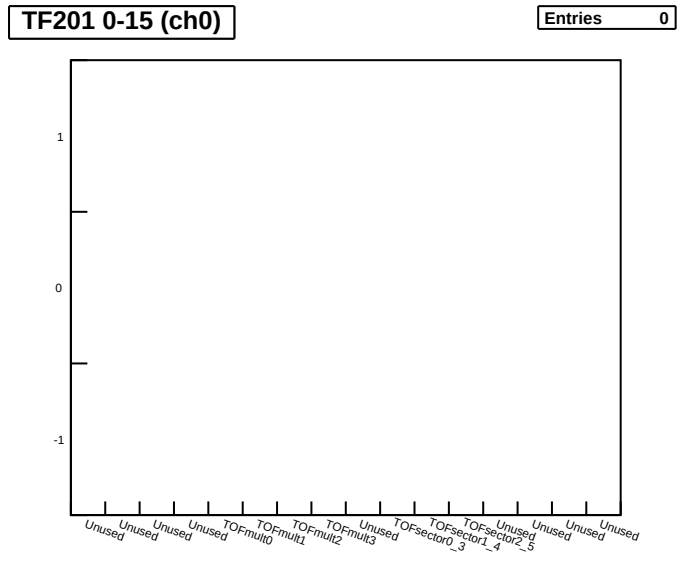

Entries 54831
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

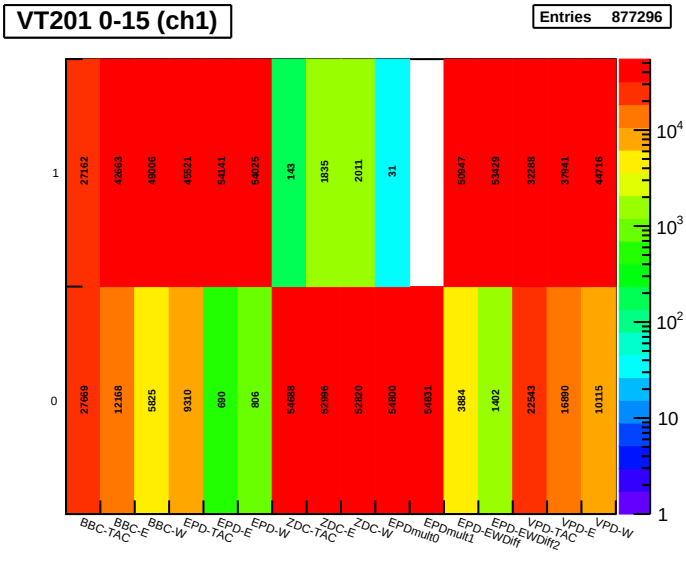

Entries 54831
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

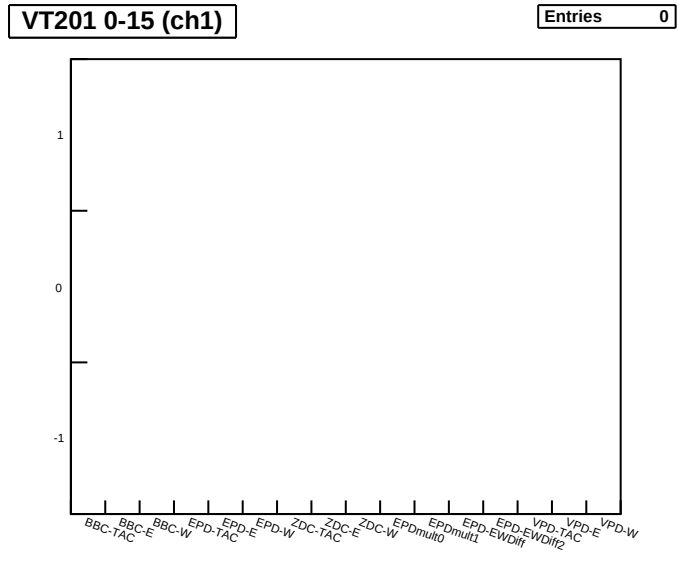

Laser Input Bits
Entries 54831
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

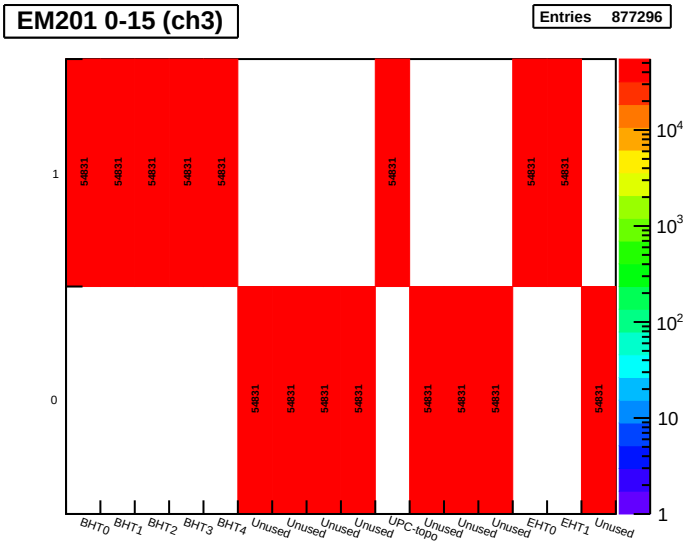

ST201 0-15 (ch6)
Entries 877296
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
54831
54830
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

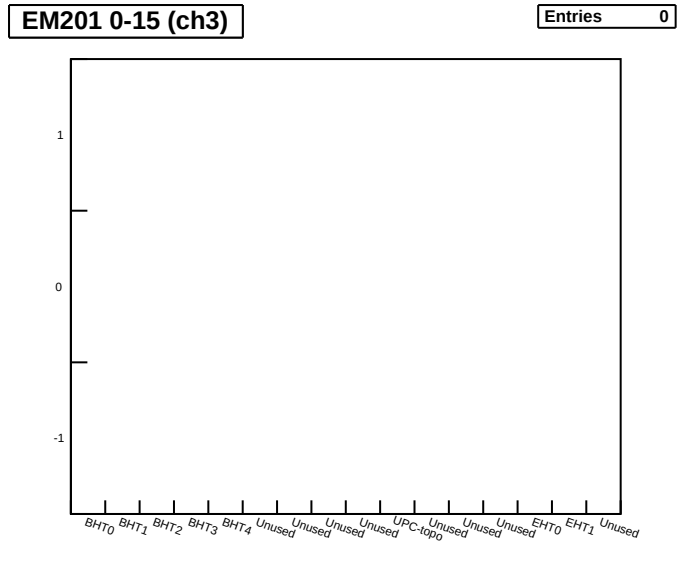

TF201 0-15 (ch0)
Entries 877296
1
0
54831
54142
50180
49075
36612
46215
46488
45767
54831
54831
54831
54831
54831
54831
689
4651
6756
18219
54831
8616
8343
9064
54831
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 877296
1
0
27162
42863
49006
45521
54141
54025
143
1835
2011
31
50947
53429
32268
37941
44716
27669
12168
5825
9310
690
806
54638
52996
52820
54800
54831
3884
1402
22543
16880
10115
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 877296
1
0
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
54831
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1