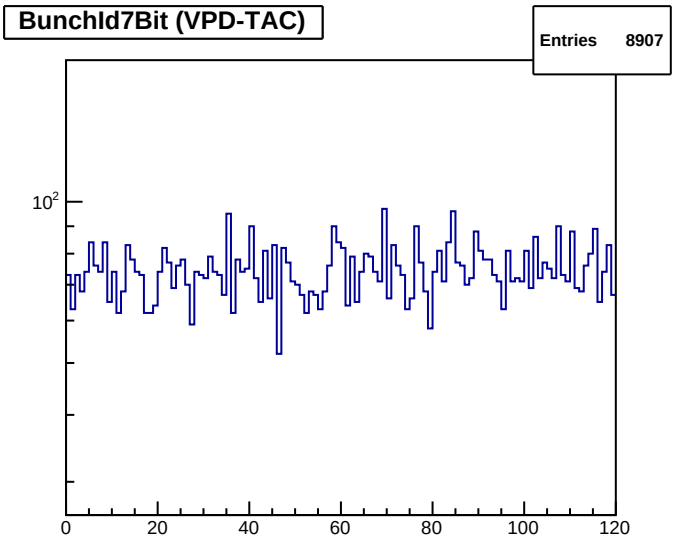
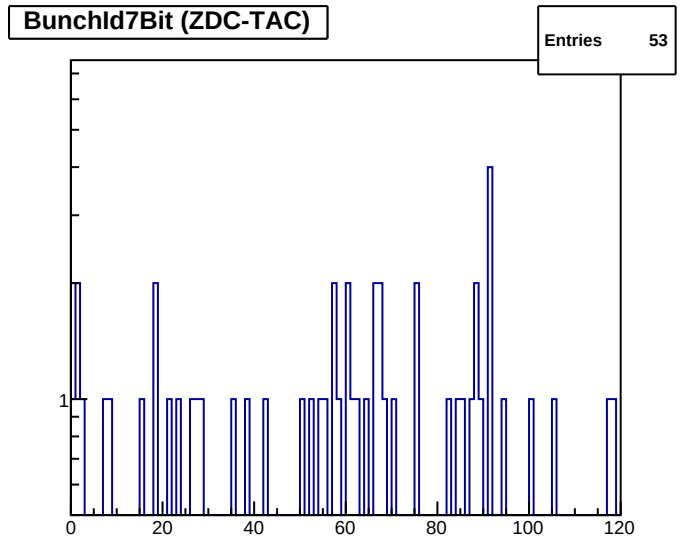
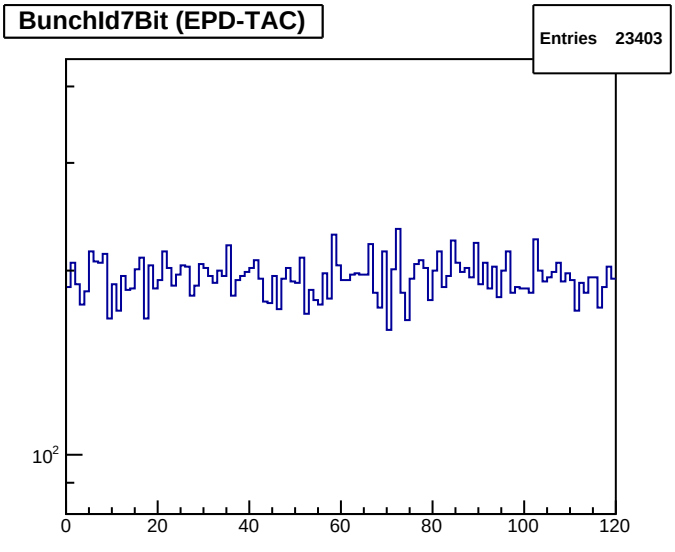
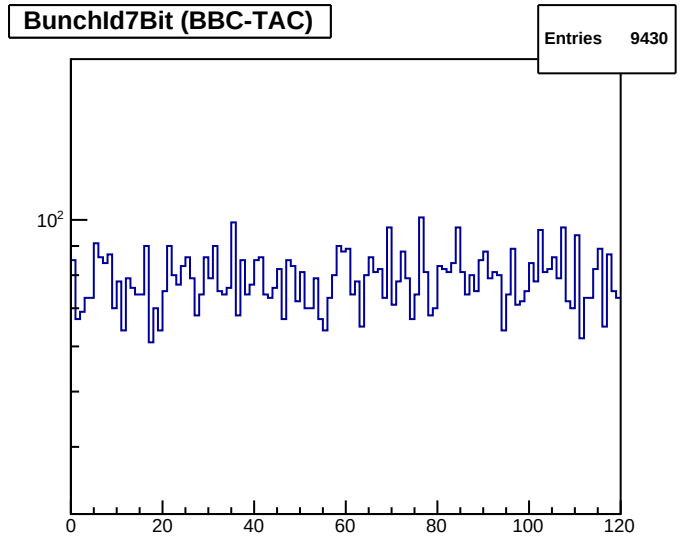
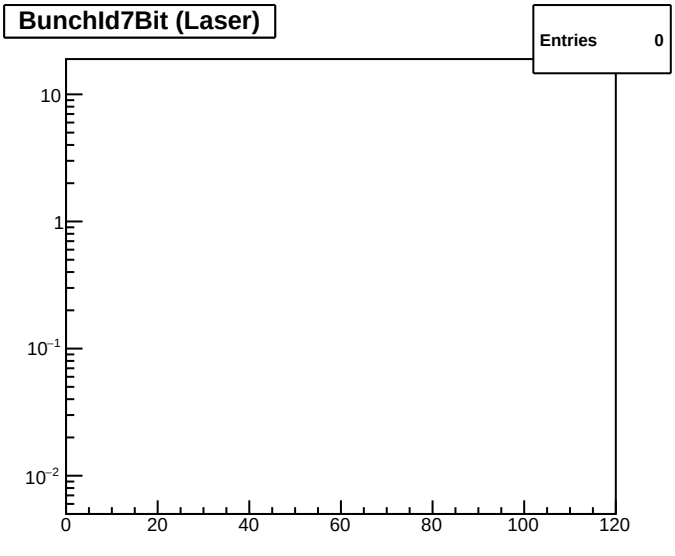
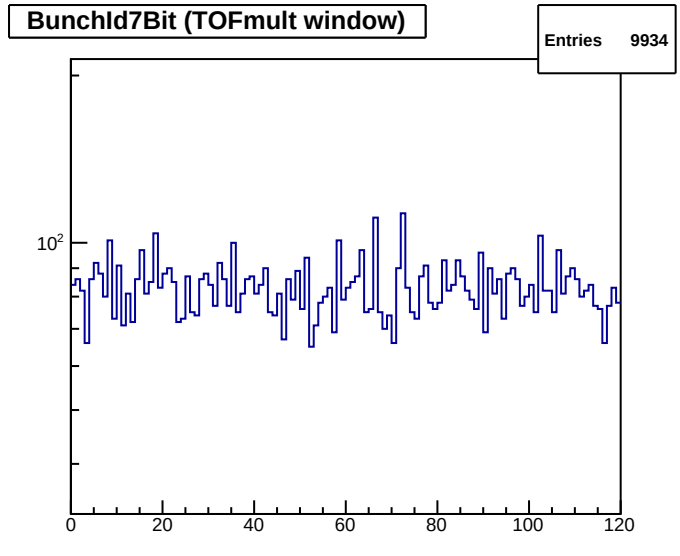

BunchId7Bit (VPD-TAC)
Entries 8907
10^2
0 20 40 60 80 100 120

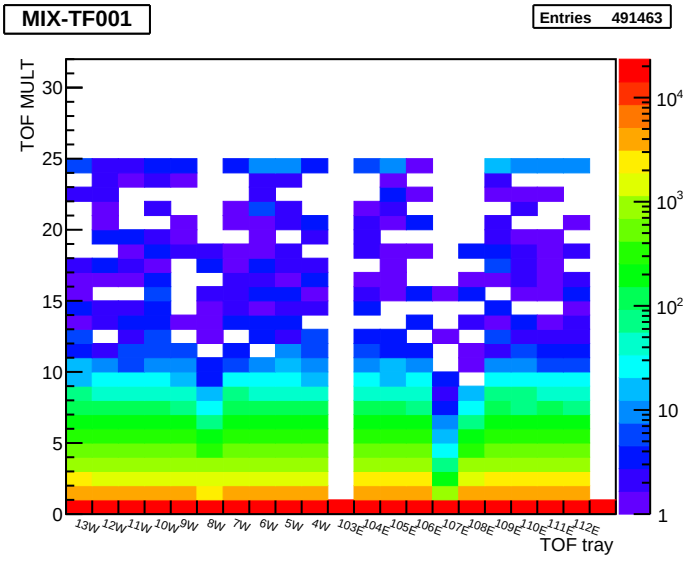

BunchId7Bit (ZDC-TAC)
Entries 53
1
0 20 40 60 80 100 120

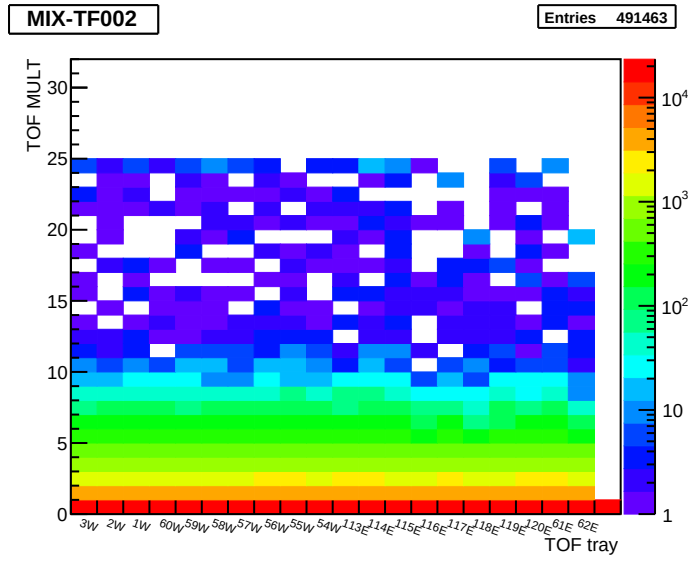

BunchId7Bit (EPD-TAC)
Entries 23403
10^2
0 20 40 60 80 100 120

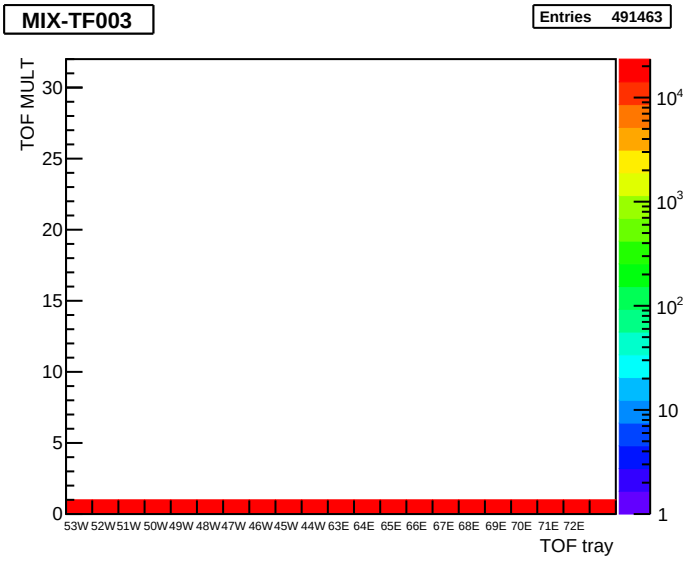

BunchId7Bit (BBC-TAC)
Entries 9430
10^2
0 20 40 60 80 100 120

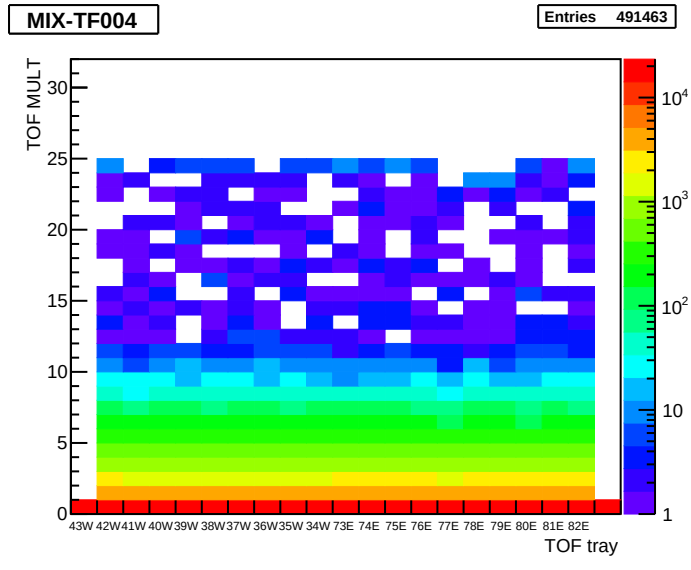

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

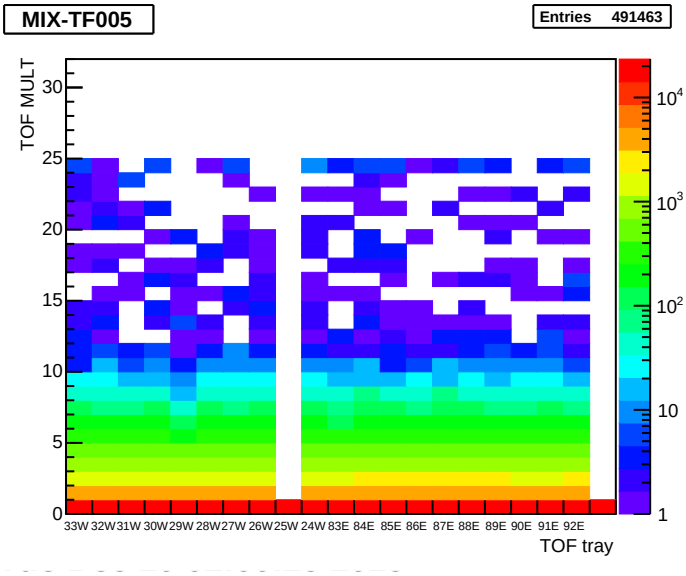

BunchId7Bit (TOFmult window)
Entries 9934
10^2
0 20 40 60 80 100 120

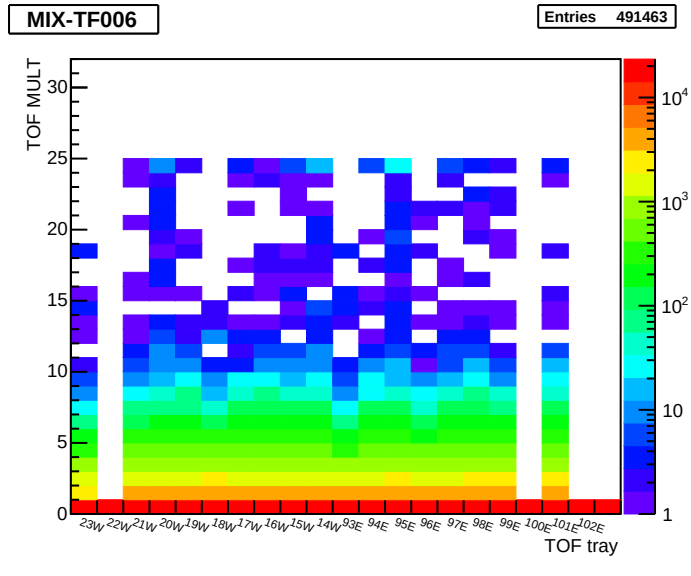

MIX-TF001
Entries 491463
TOF MULT
TOF tray

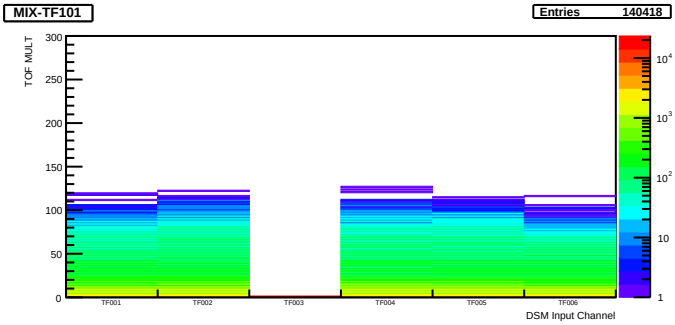

MIX-TF002
Entries 491463
TOF MULT
TOF tray

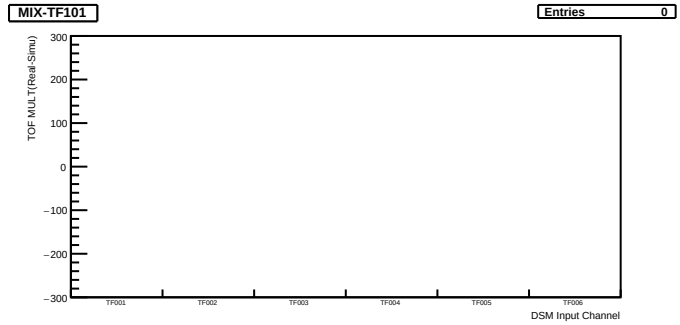

MIX-TF003
Entries 491463
TOF MULT
TOF tray

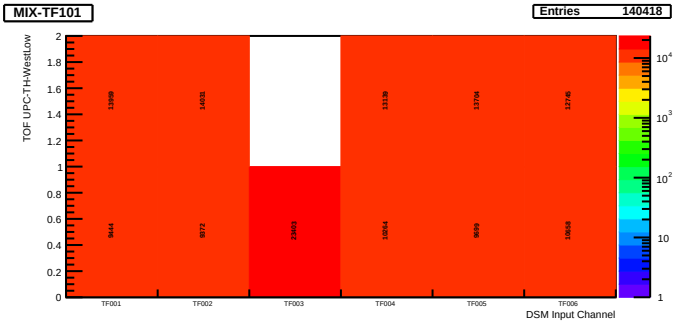

MIX-TF004
Entries 491463
TOF MULT
TOF tray

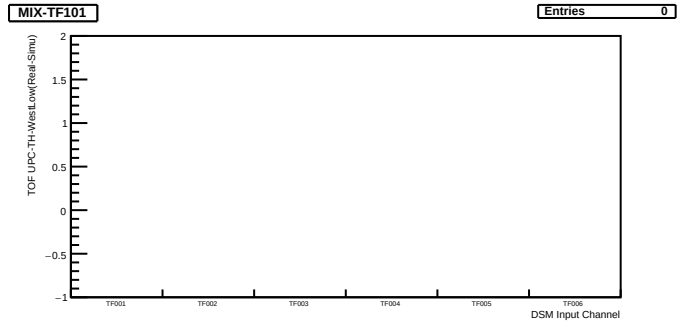

MIX-TF005
Entries 491463
TOF MULT
TOF tray

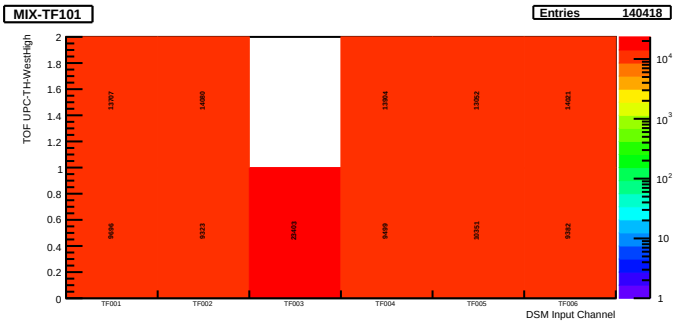

MIX-TF006
Entries 491463
TOF MULT
TOF tray

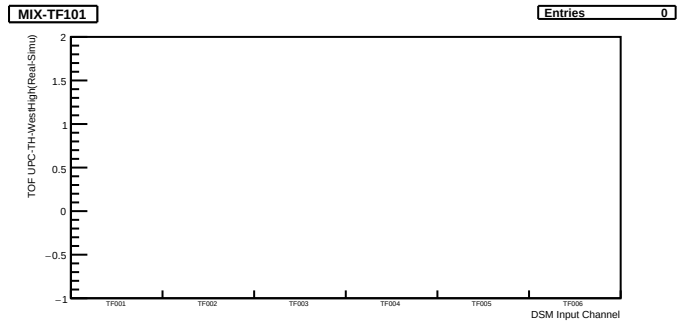

MIX-TF101
Entries 140418
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

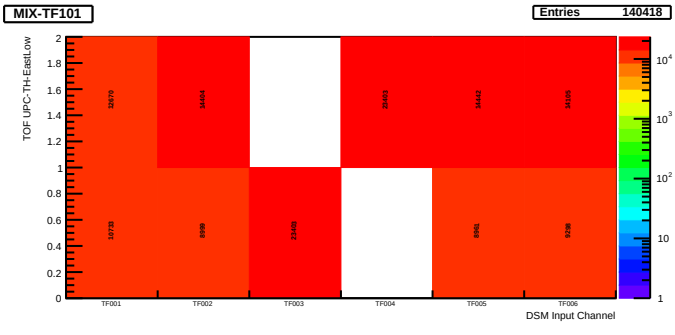

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

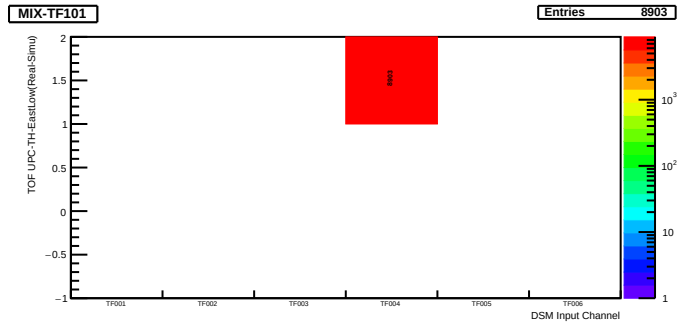

MIX-TF101
Entries 140418
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

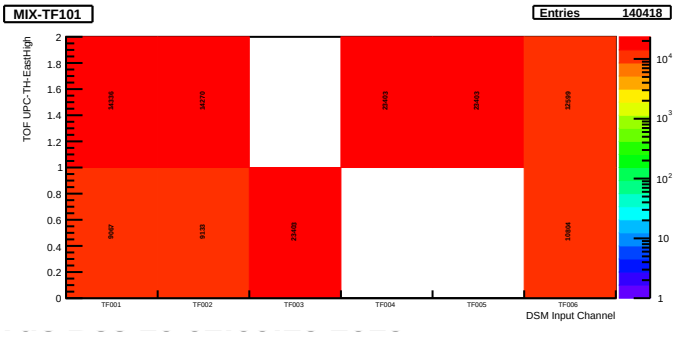

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

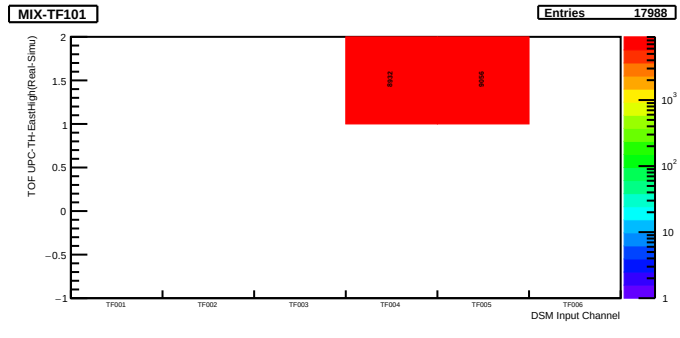

MIX-TF101
Entries 140418
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

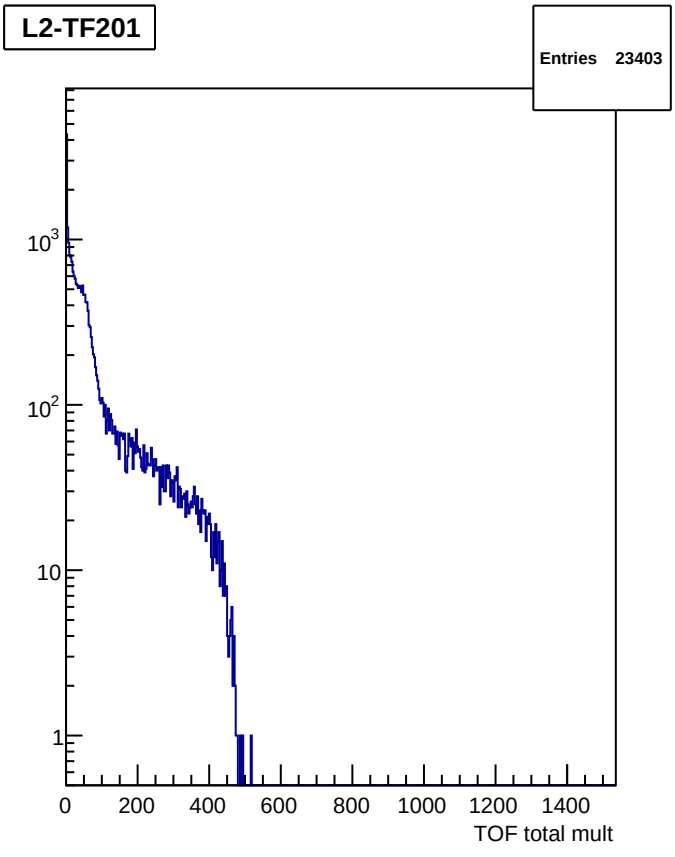

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

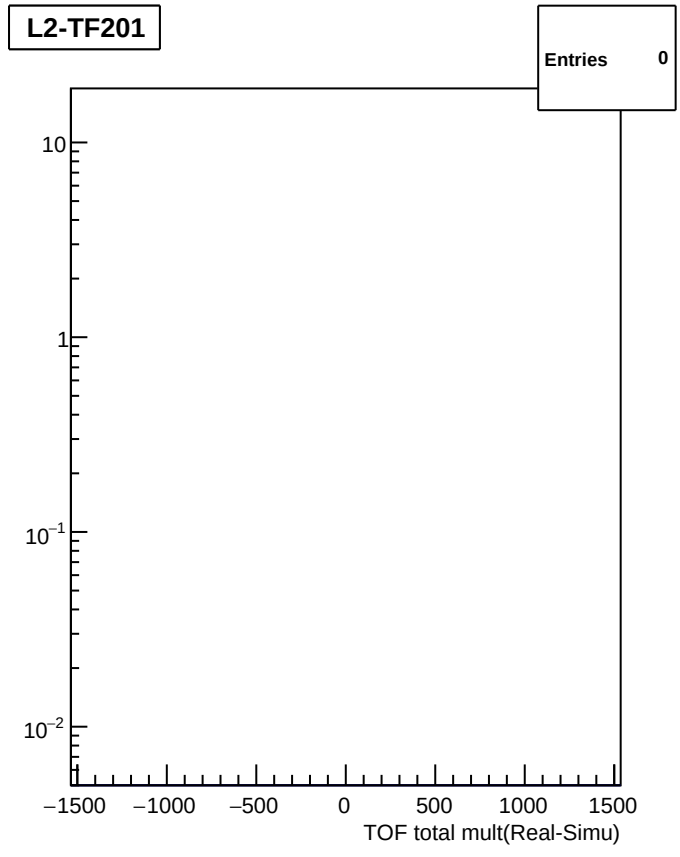

MIX-TF101
Entries 140418
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

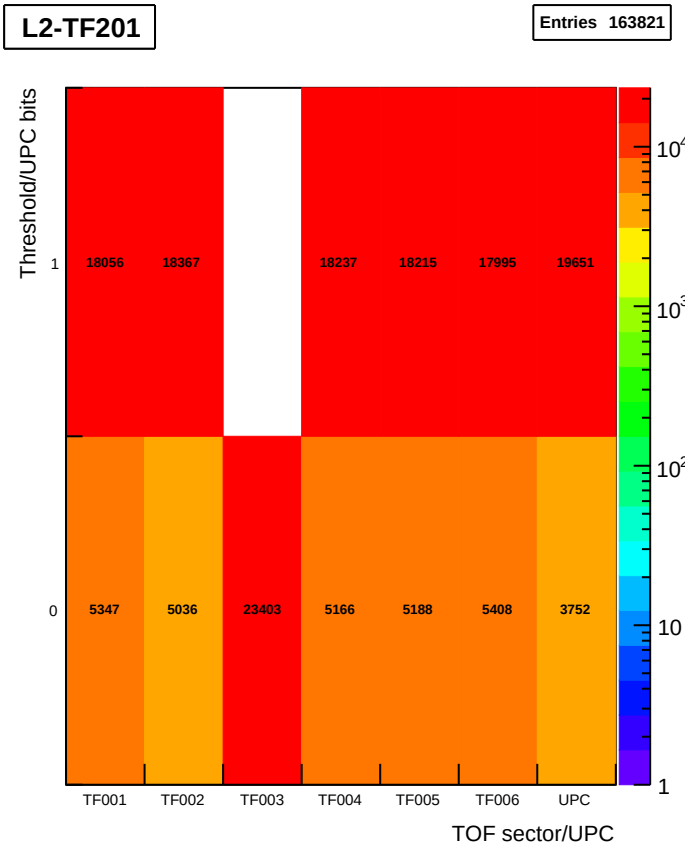

MIX-TF101
Entries 8903
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

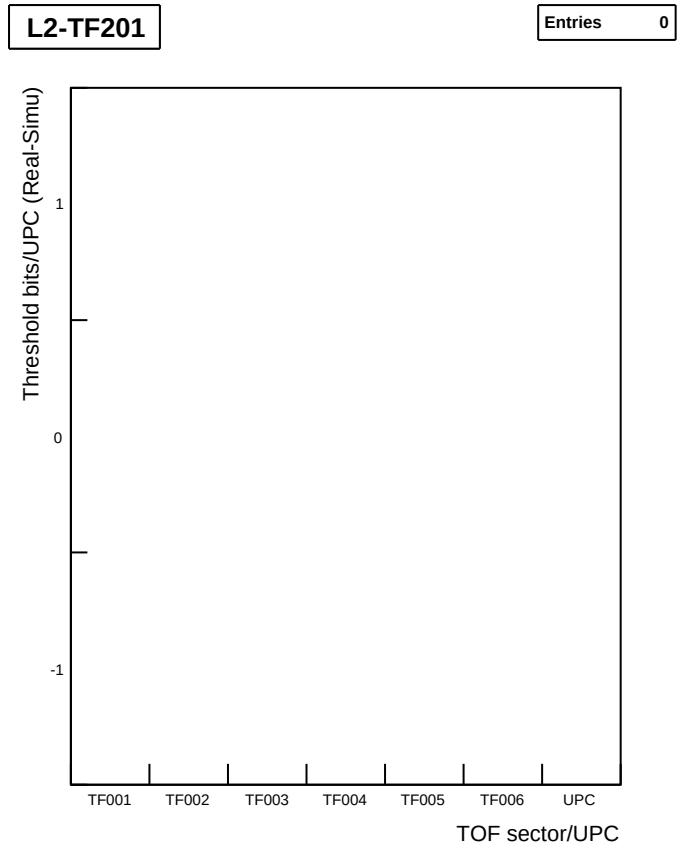

MIX-TF101
Entries 140418
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

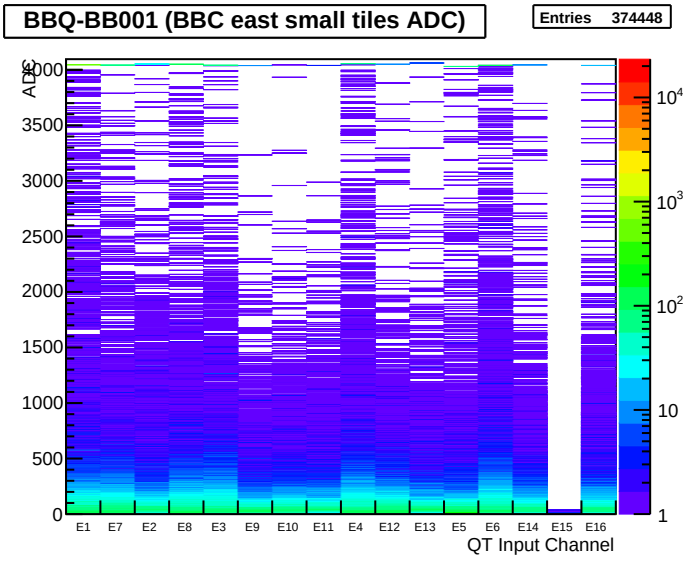

MIX-TF101
Entries 17988
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

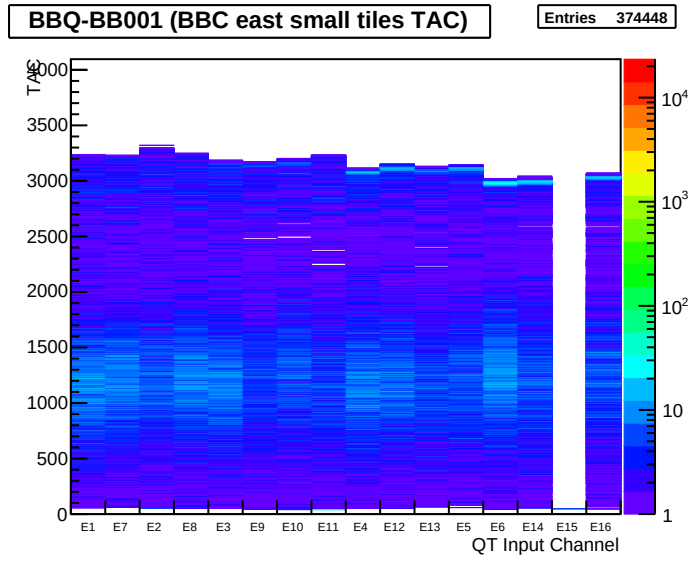

L2-TF201
Entries 23403
TOF total mult

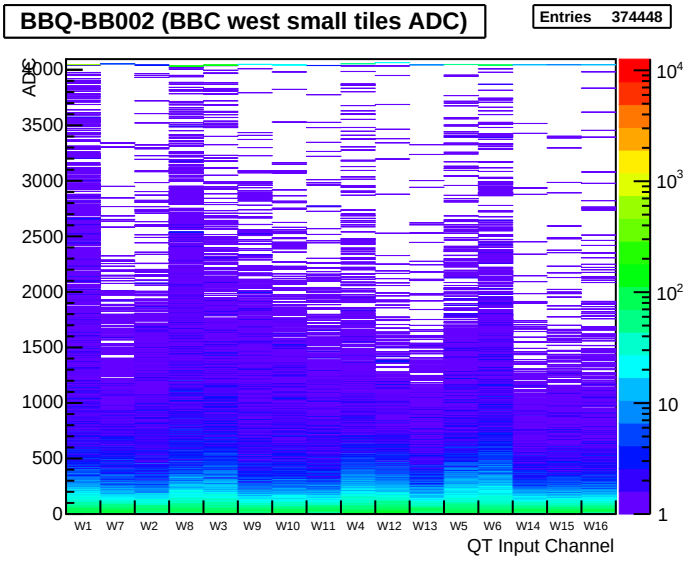

L2-TF201
Entries 0
TOF total mult(Real-Simu)

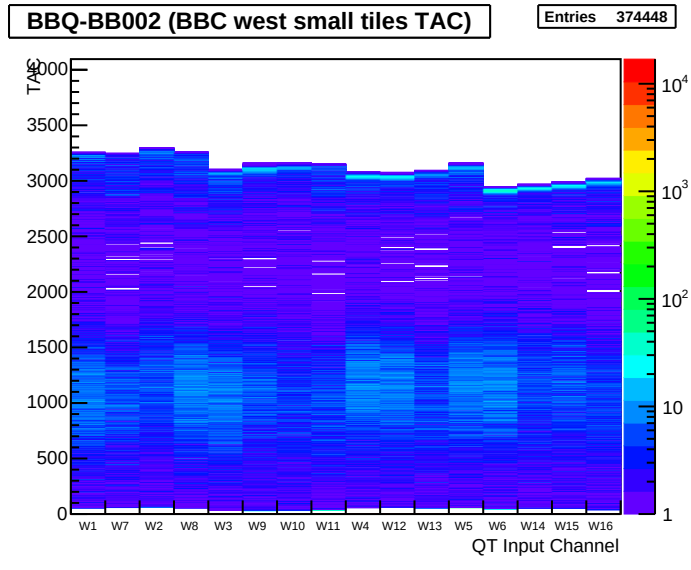

L2-TF201
Entries 163821
Threshold/UPC bits
18056
18367
18237
18215
17995
19651
5347
5036
23403
5166
5188
5408
3752
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

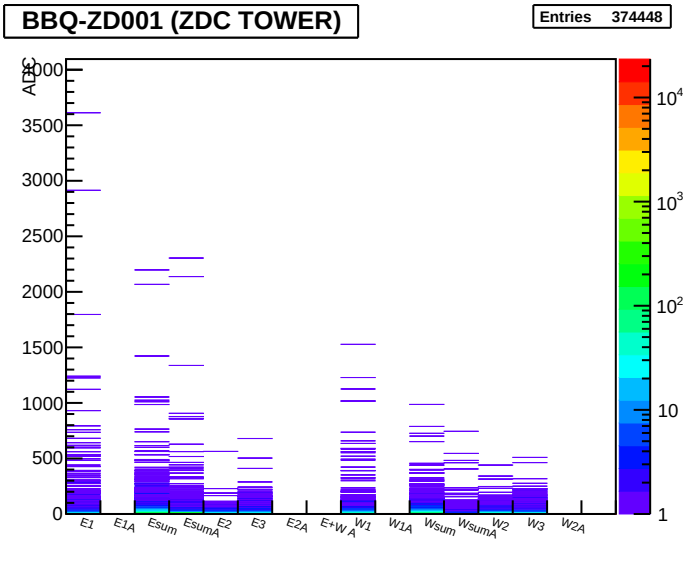

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

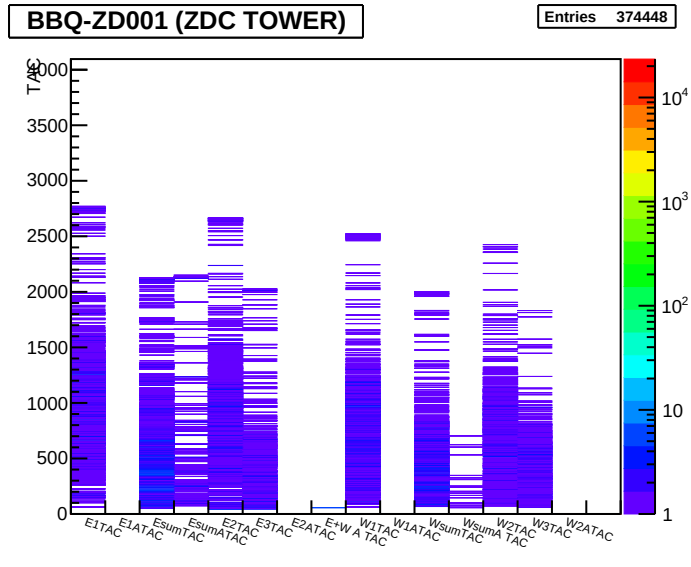

BBQ-BB001 (BBC east small tiles ADC)
Entries 374448
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

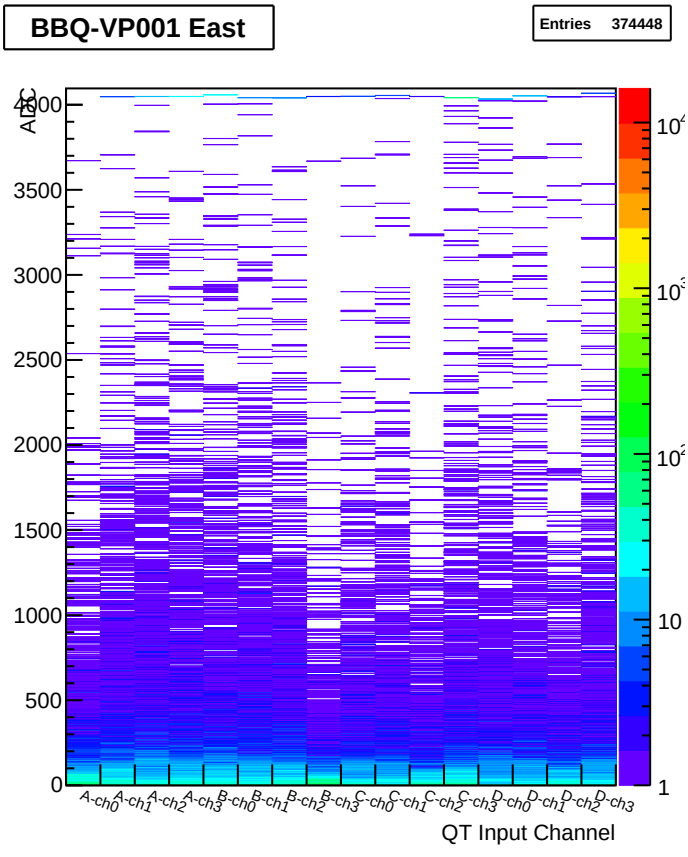

BBQ-BB001 (BBC east small tiles TAC)
Entries 374448
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

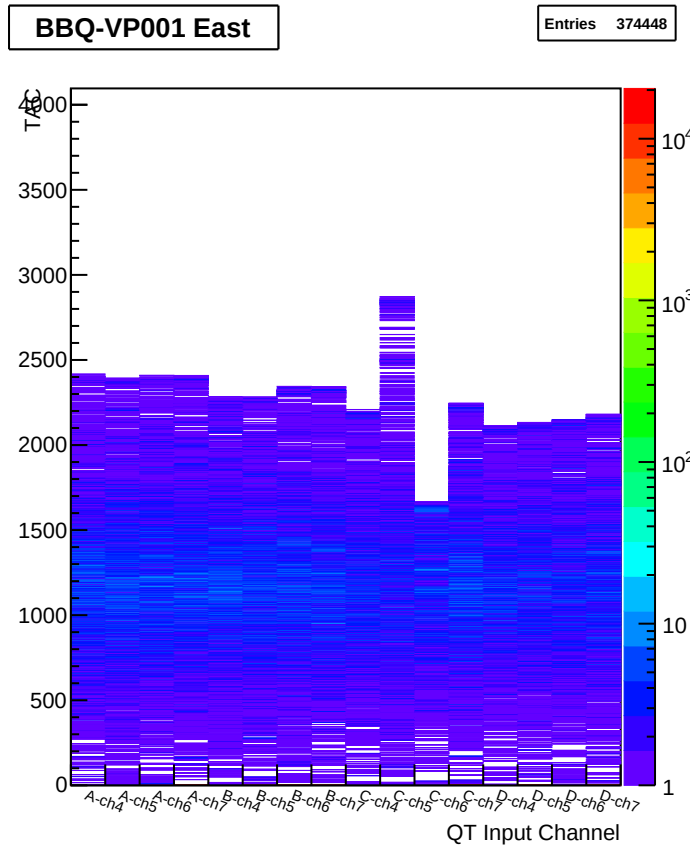

BBQ-BB002 (BBC west small tiles ADC)
Entries 374448
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

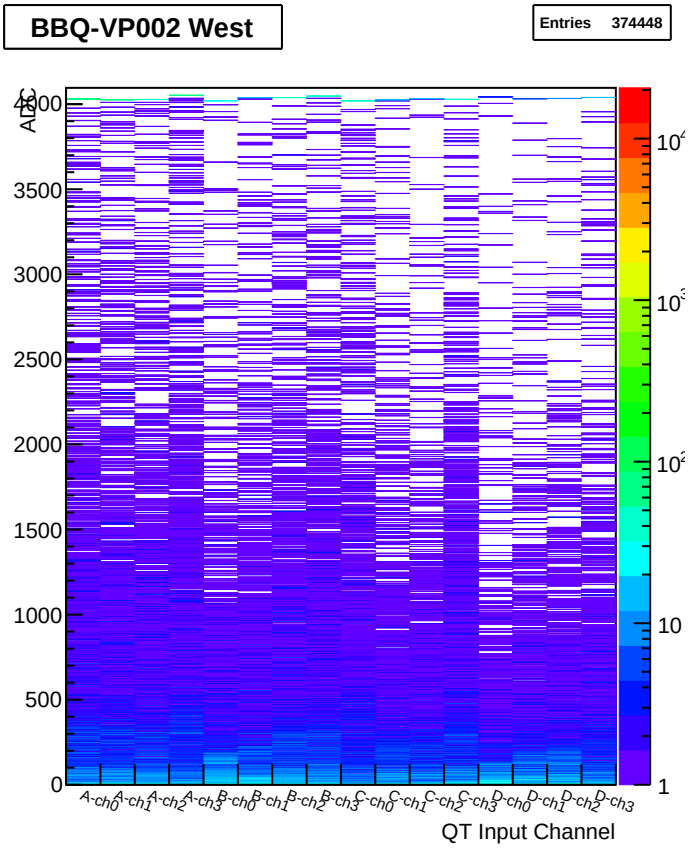

BBQ-BB002 (BBC west small tiles TAC)
Entries 374448
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

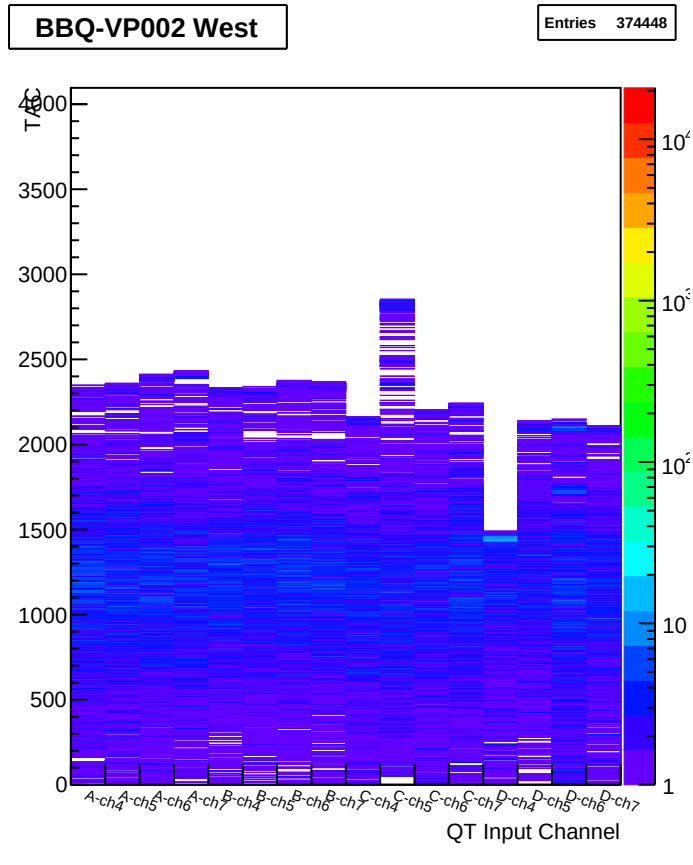

BBQ-ZD001 (ZDC TOWER)
Entries 374448
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

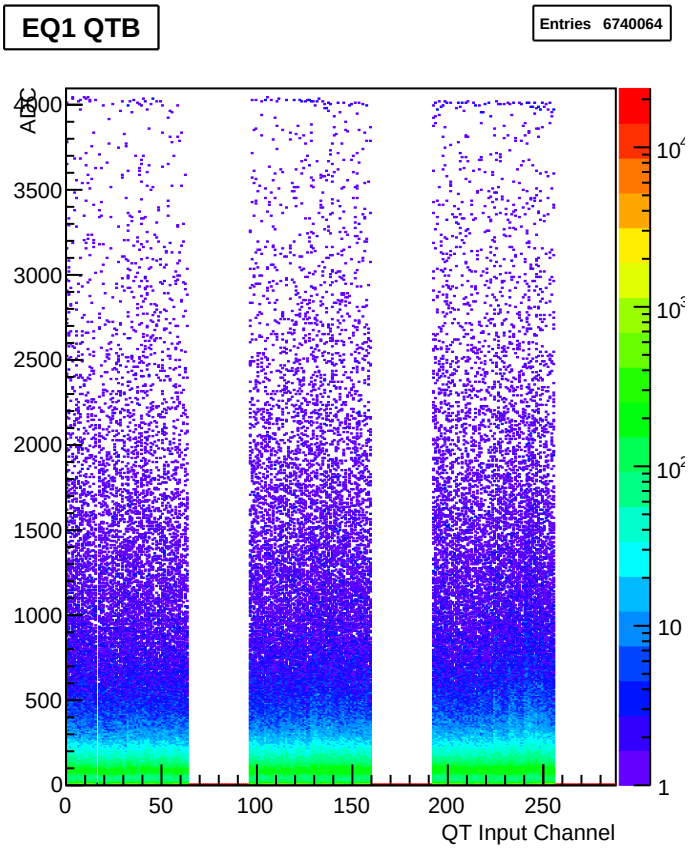

BBQ-ZD001 (ZDC TOWER)
Entries 374448
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

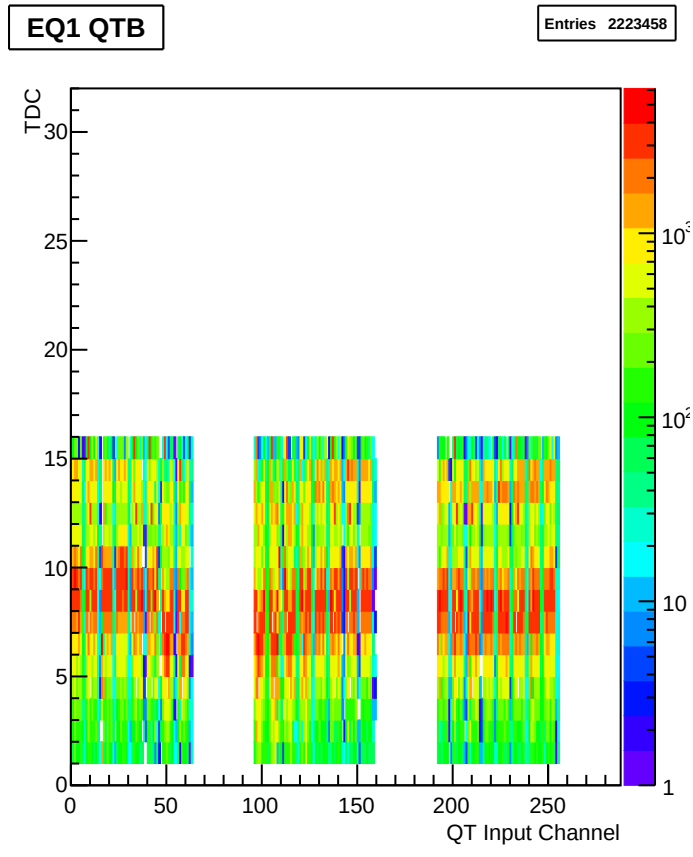

BBQ-VP001 East
Entries 374448
ADC
QT Input Channel

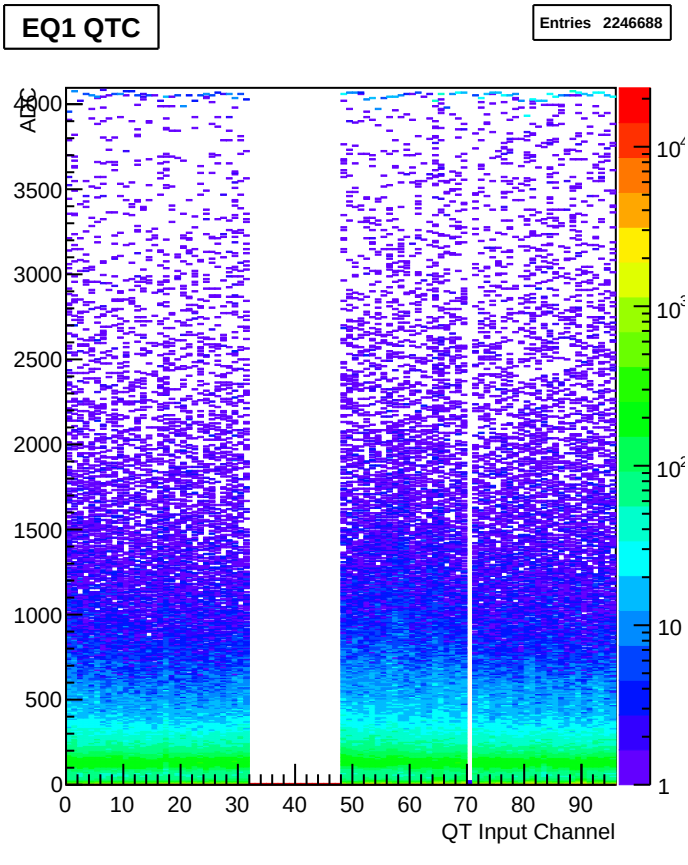

BBQ-VP001 East
Entries 374448
TADC
QT Input Channel

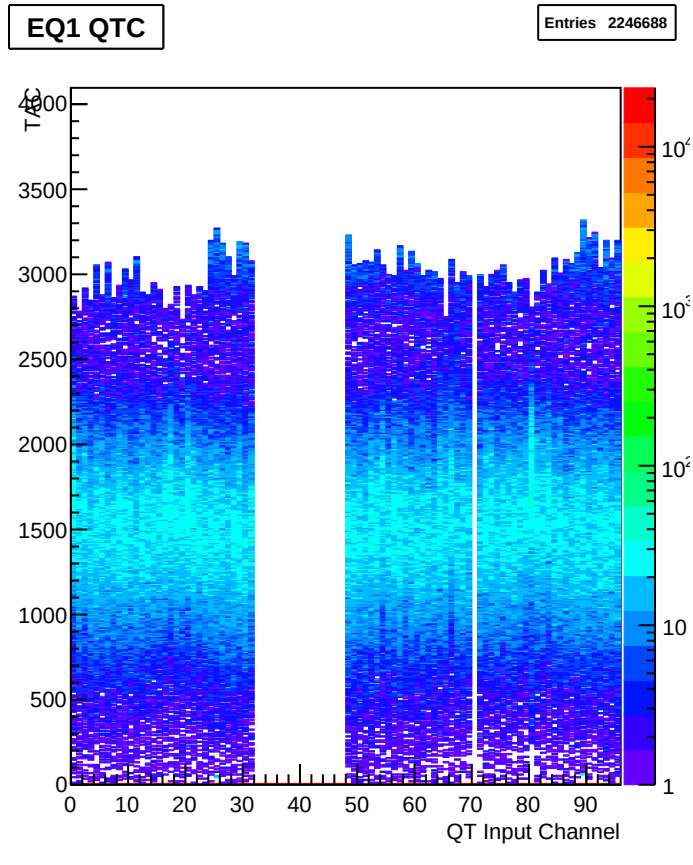

BBQ-VP002 West
Entries 374448
ADC
QT Input Channel

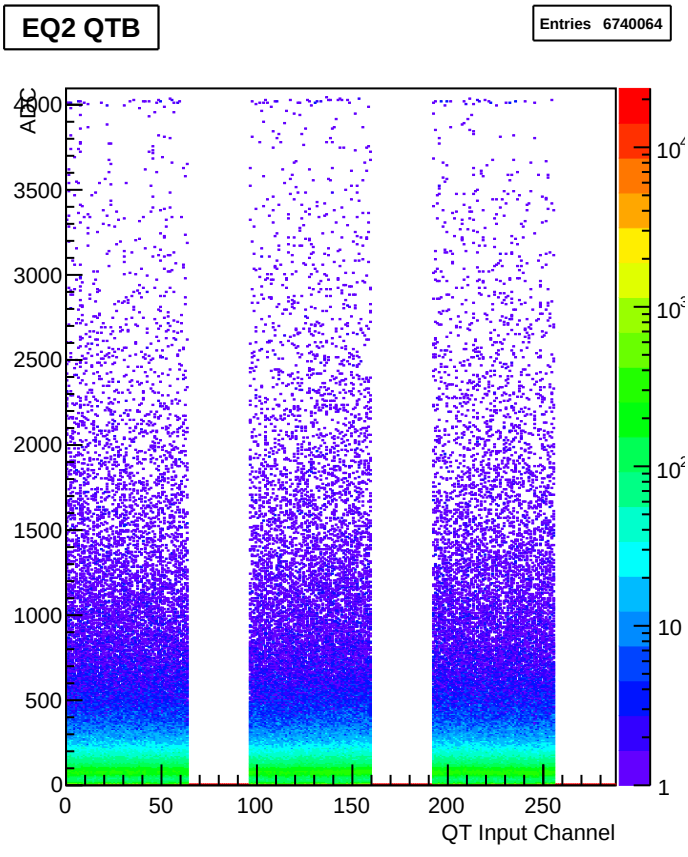

BBQ-VP002 West
Entries 374448
TADC
QT Input Channel

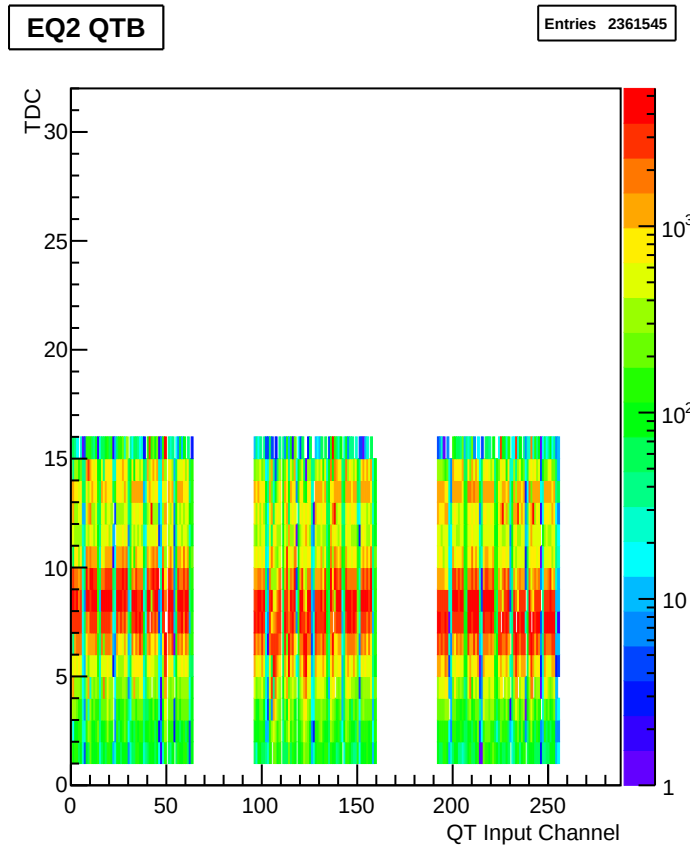

EQ1 QTB
Entries 6740064
ADC
QT Input Channel

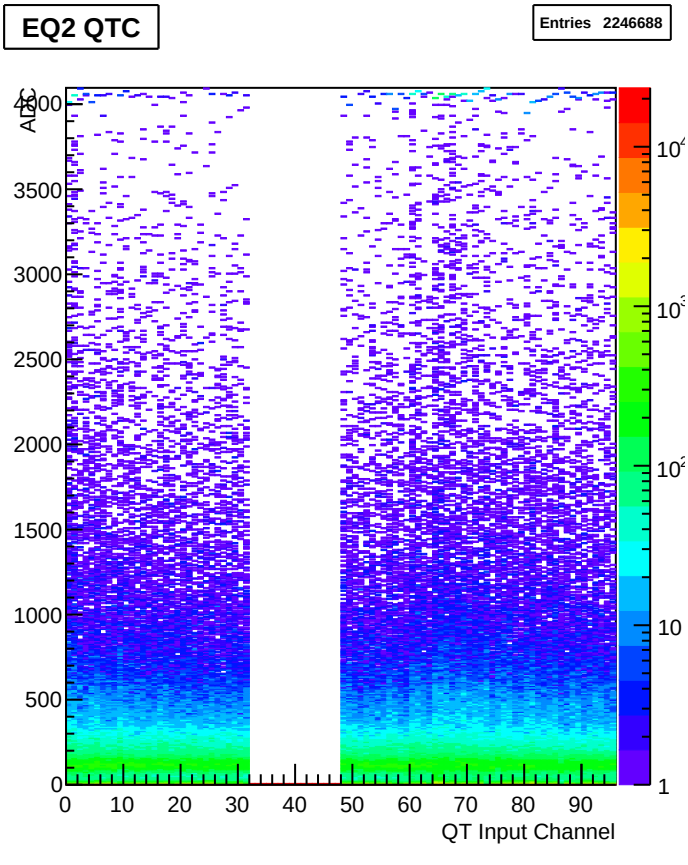

EQ1 QTB
Entries 2223458
TDC
QT Input Channel

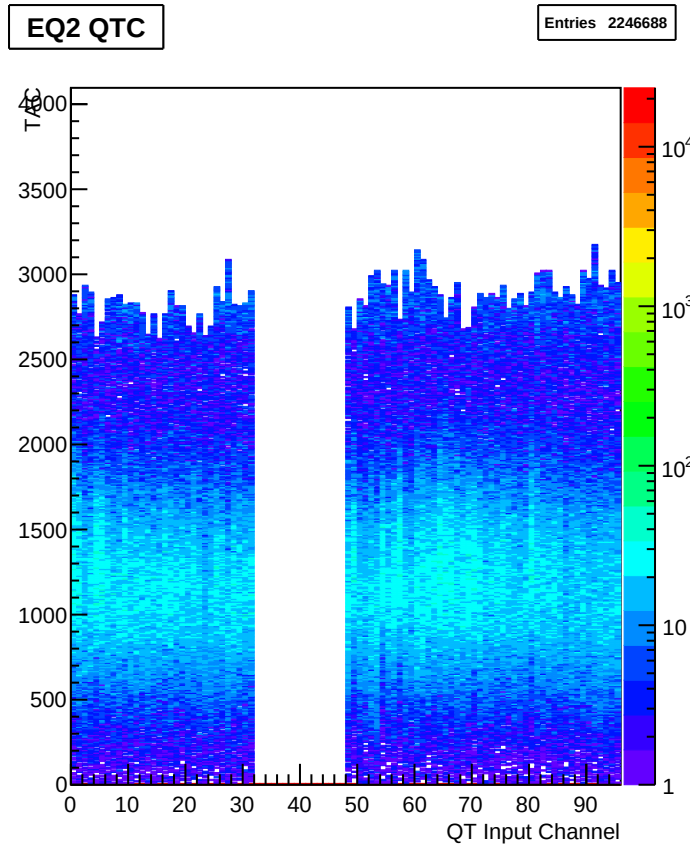

EQ1 QTC
Entries 2246688
ADC
QT Input Channel

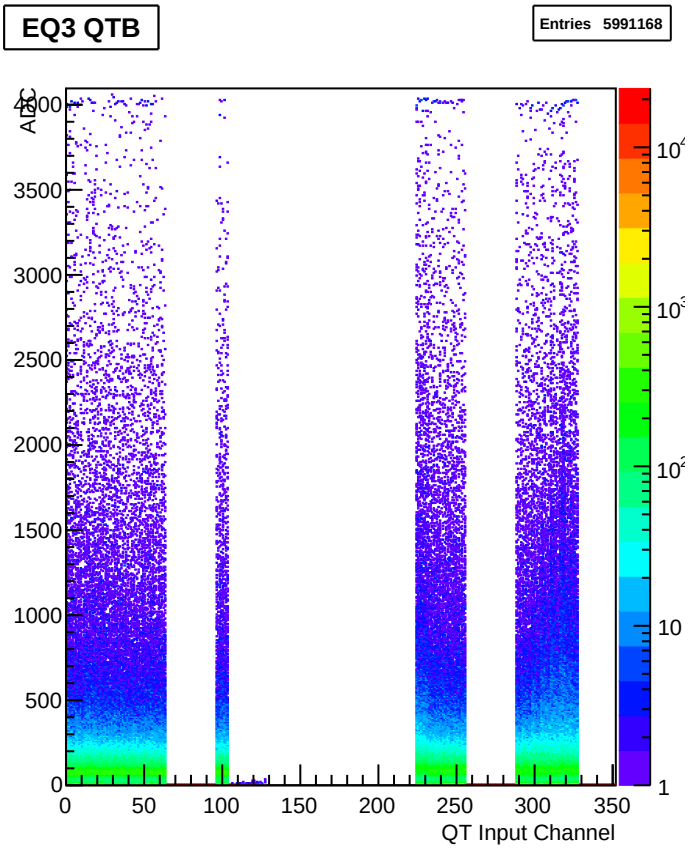

EQ1 QTC
Entries 2246688
TADC
QT Input Channel

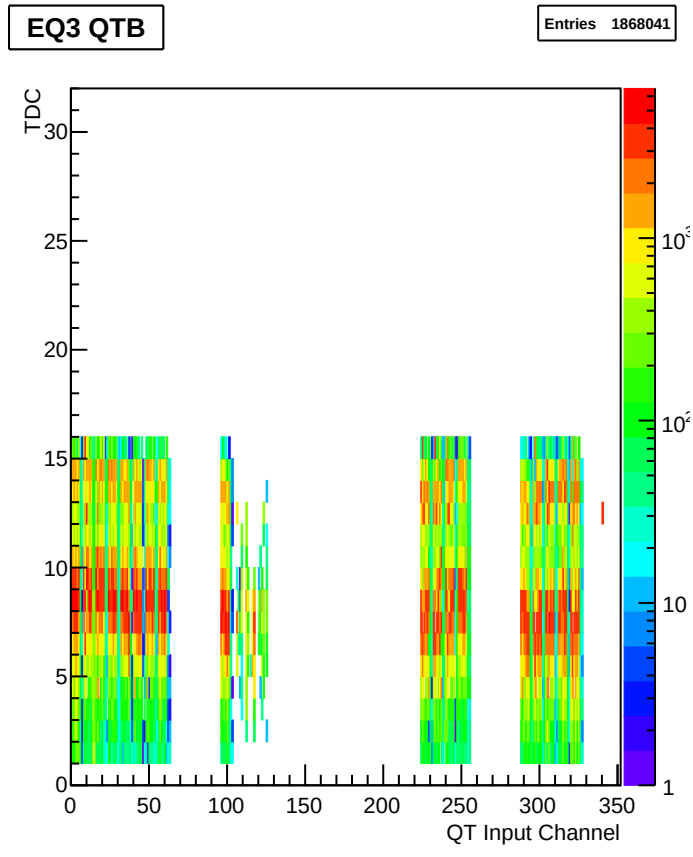

EQ2 QTB
Entries 6740064
ADC
QT Input Channel

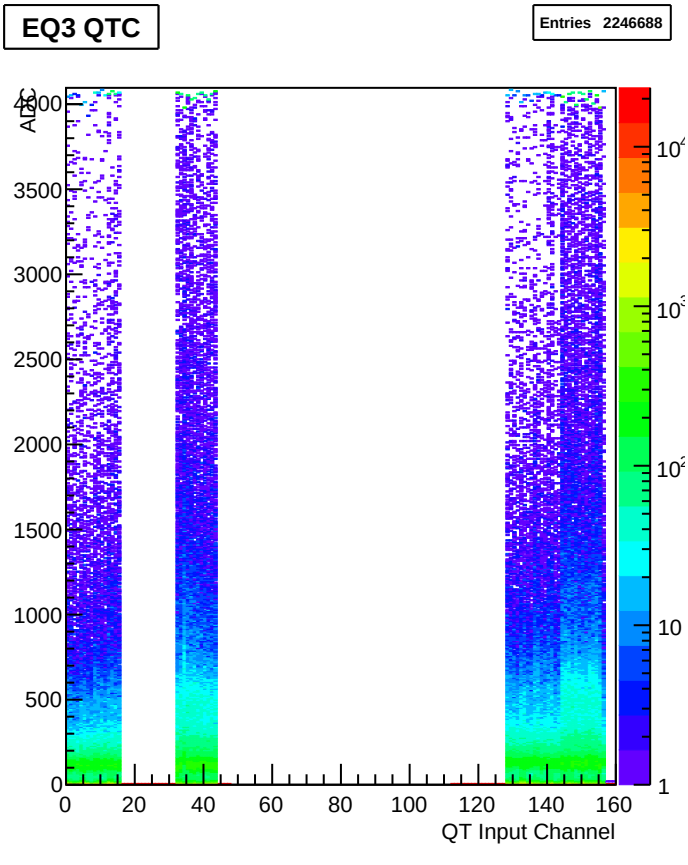

EQ2 QTB
Entries 2361545
TDC
QT Input Channel

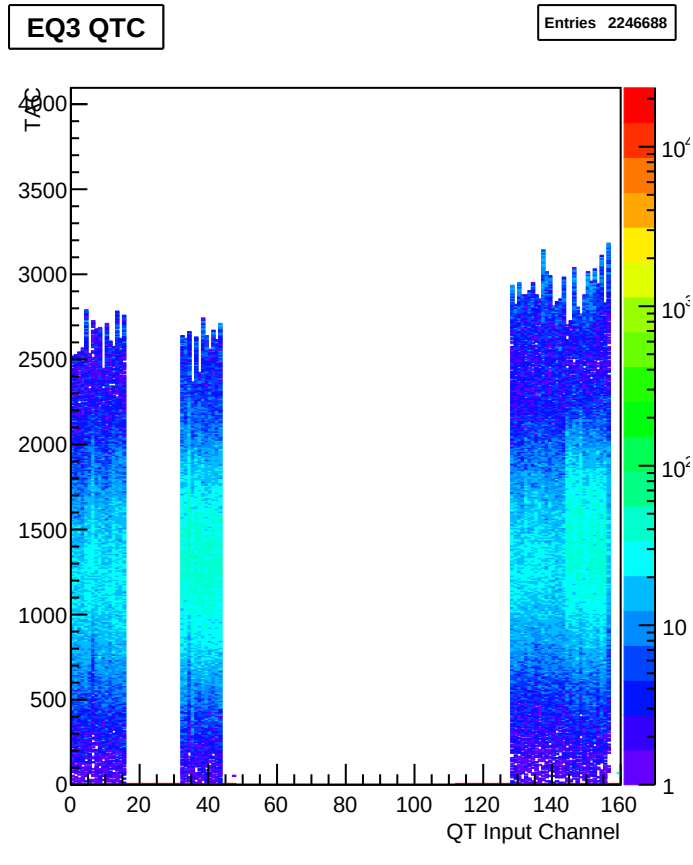

EQ2 QTC
Entries 2246688
ADC
QT Input Channel

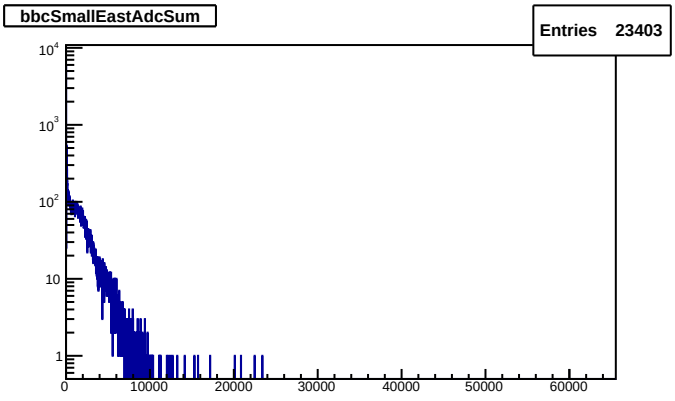

EQ2 QTC
Entries 2246688
TADC
QT Input Channel

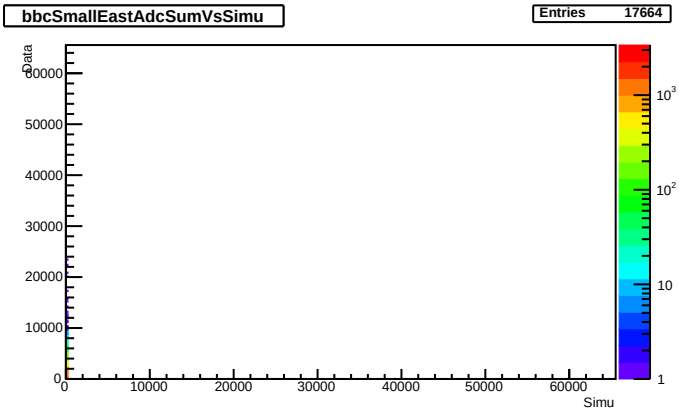

EQ3 QTB
Entries 5991168
ADC
QT Input Channel

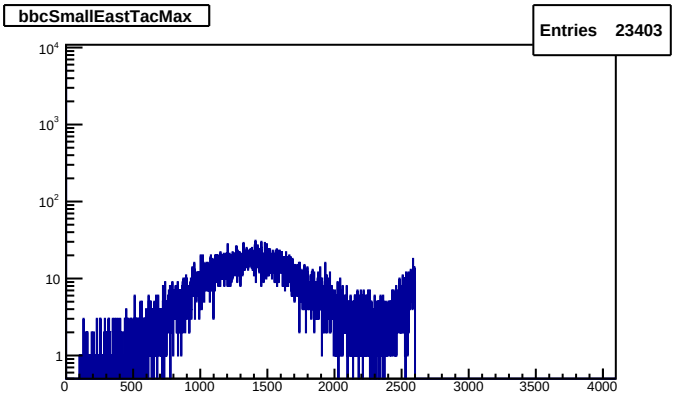

EQ3 QTB
Entries 1868041
TDC
QT Input Channel

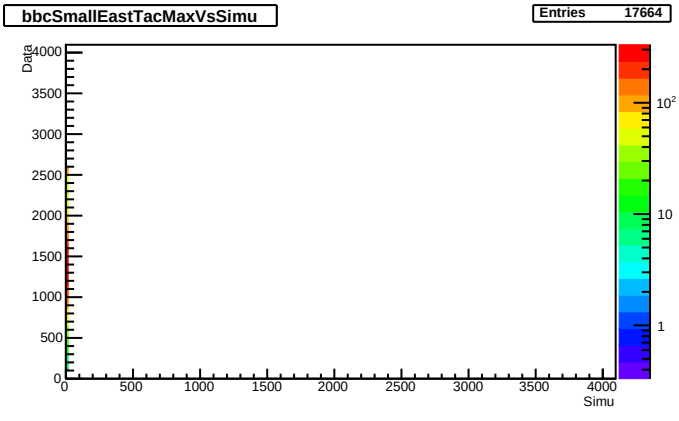

EQ3 QTC
Entries 2246688
ADC
QT Input Channel

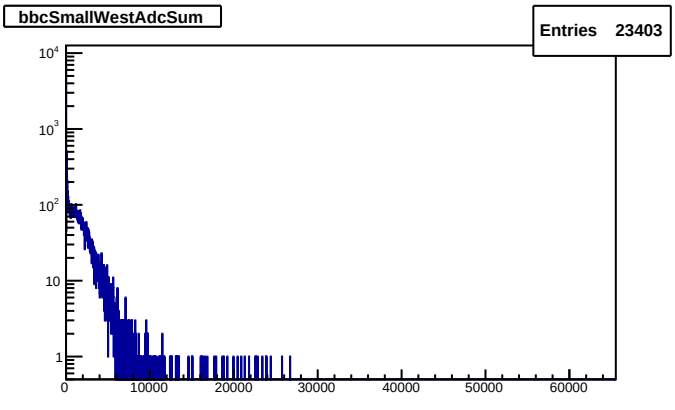

EQ3 QTC
Entries 2246688
TADC
QT Input Channel

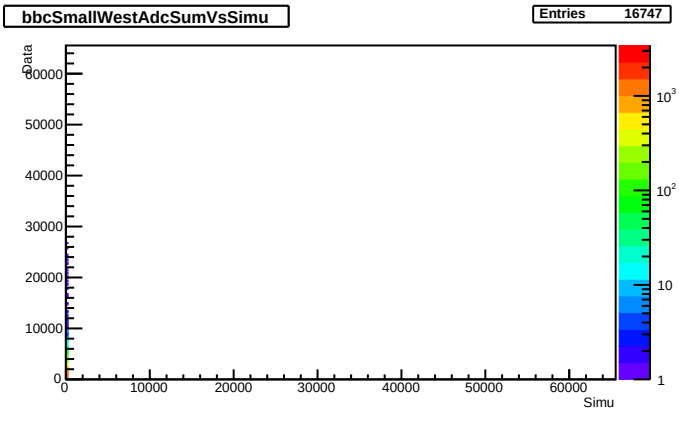

bbcSmallEastAdcSum
Entries 23403

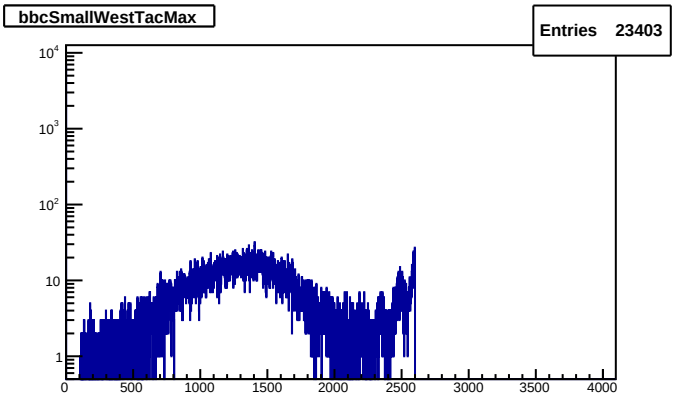

bbcSmallEastAdcSumVsSimu
Entries 17664
Data
Simu

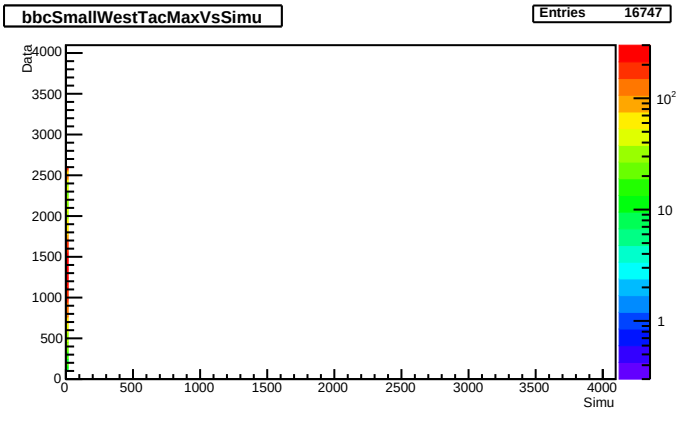

bbcSmallEastTacMax
Entries 23403

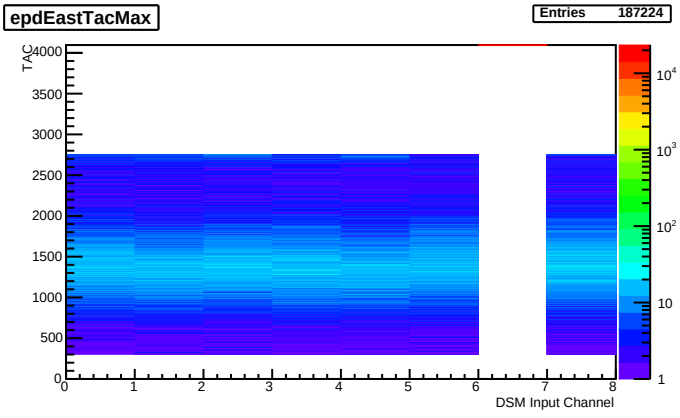

bbcSmallEastTacMaxVsSimu
Entries 17664
Data
Simu

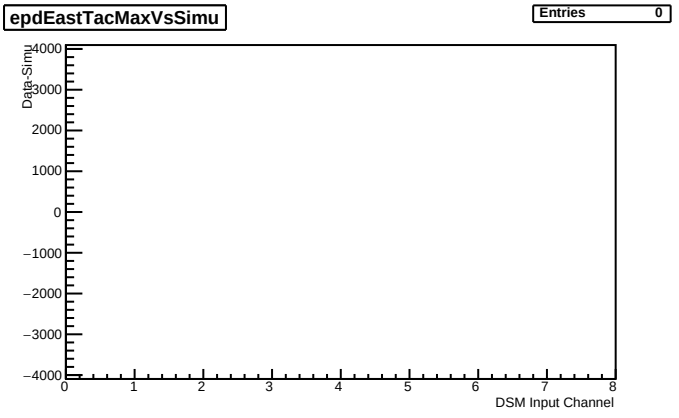

bbcSmallWestAdcSum
Entries 23403

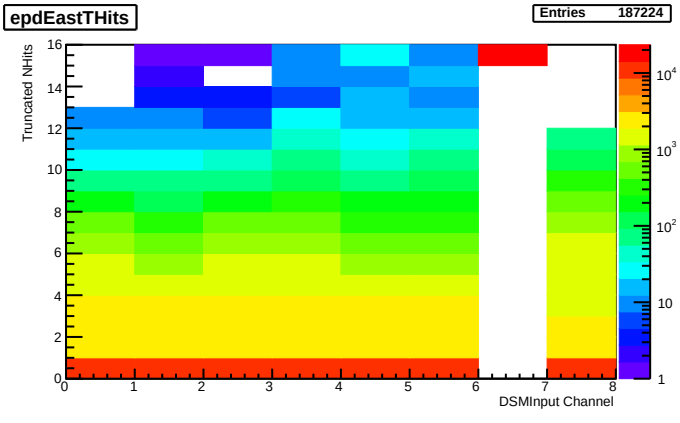

bbcSmallWestAdcSumVsSimu
Entries 16747
Data
Simu

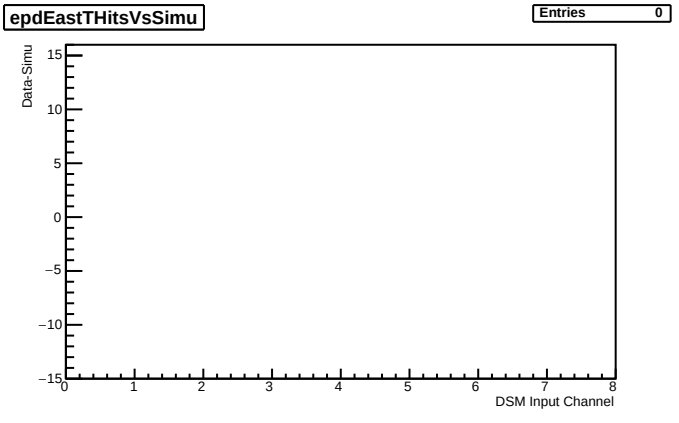

bbcSmallWestTacMax
Entries 23403

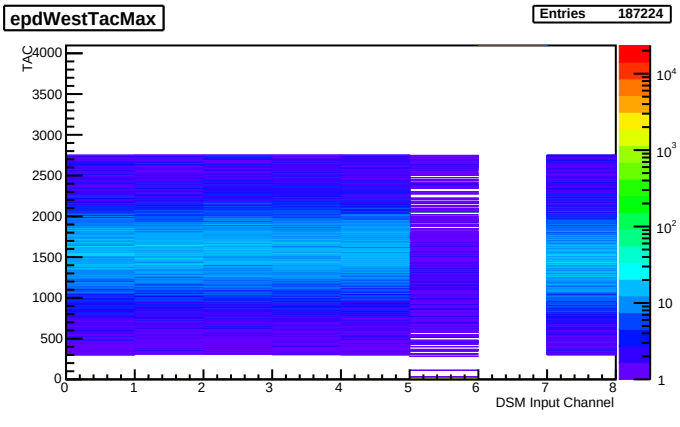

bbcSmallWestTacMaxVsSimu
Entries 16747
Data
Simu

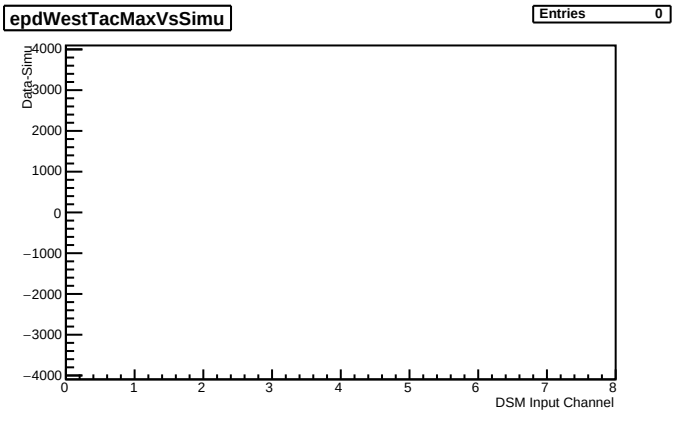

epdEastTacMax
Entries 187224
TAC
DSM Input Channel

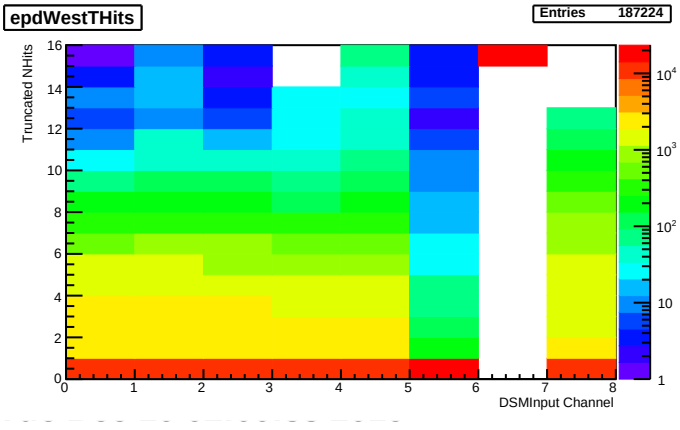

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

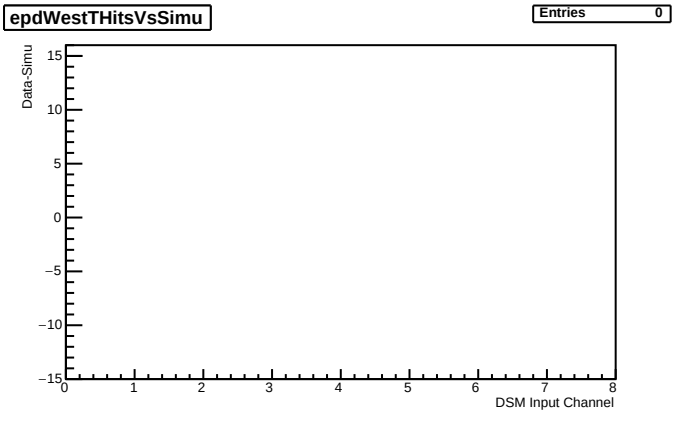

epdEastTHits
Entries 187224
Truncated NHits
DSMInput Channel

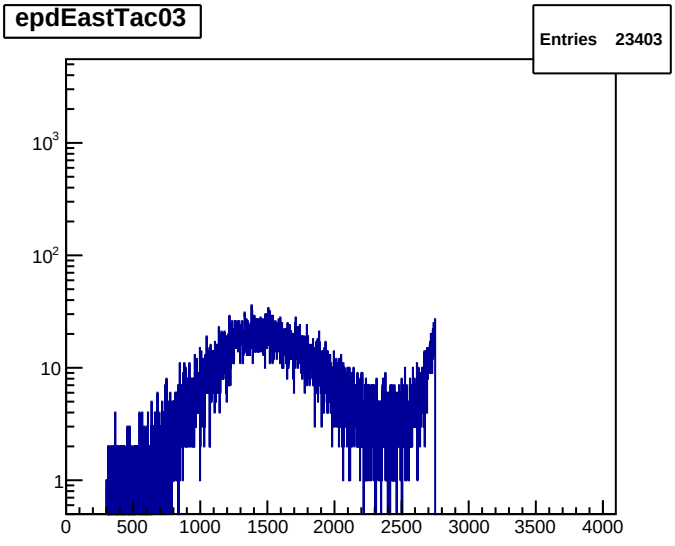

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

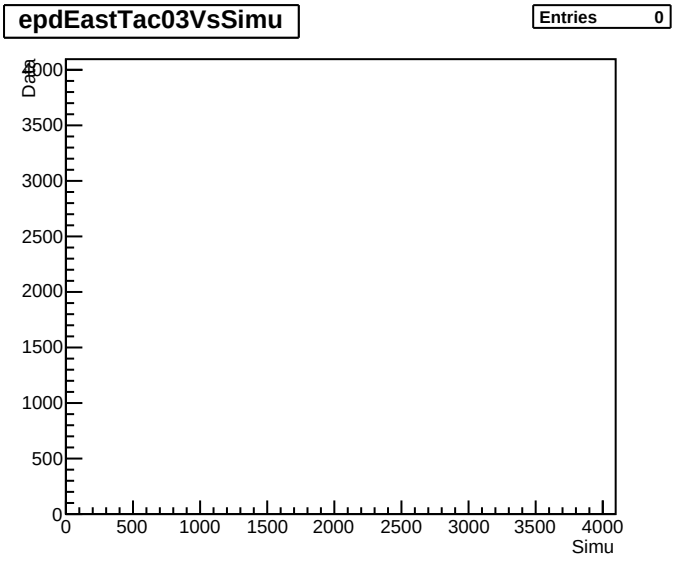

epdWestTacMax
Entries 187224
TAC
DSM Input Channel

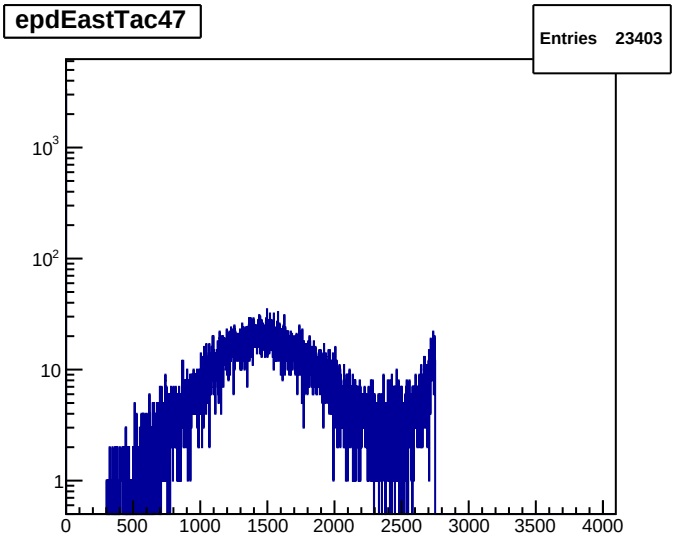

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

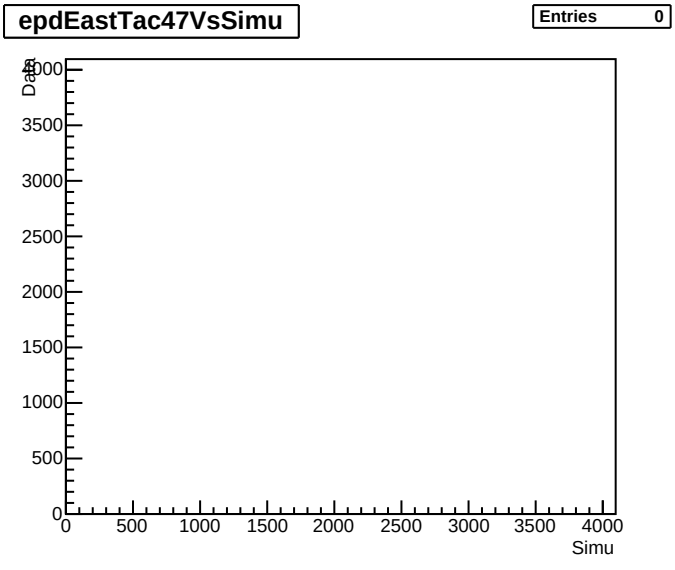

epdWestTHits
Entries 187224
Truncated NHits
DSMInput Channel

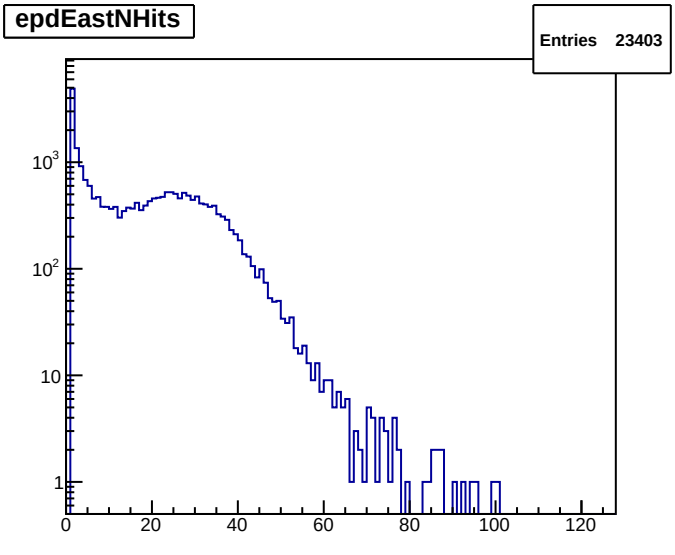

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

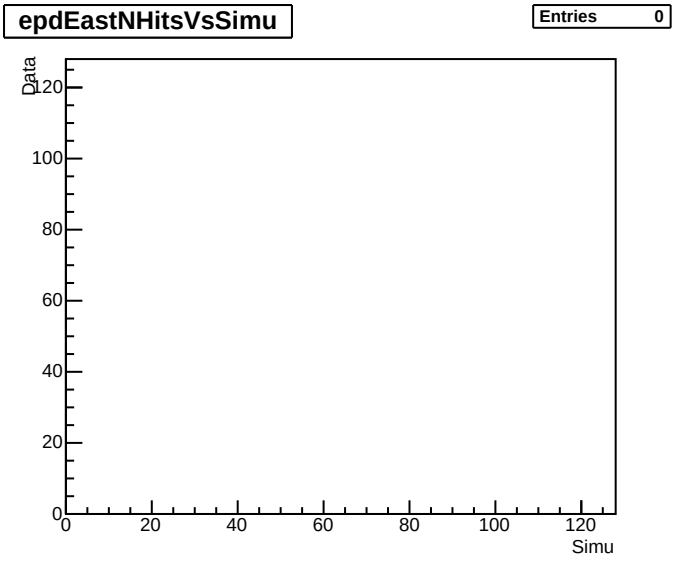

epdEastTac03
Entries 23403
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

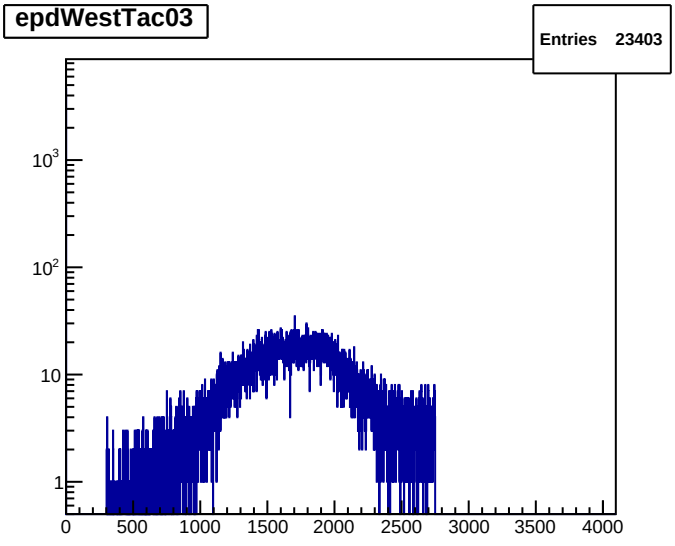

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

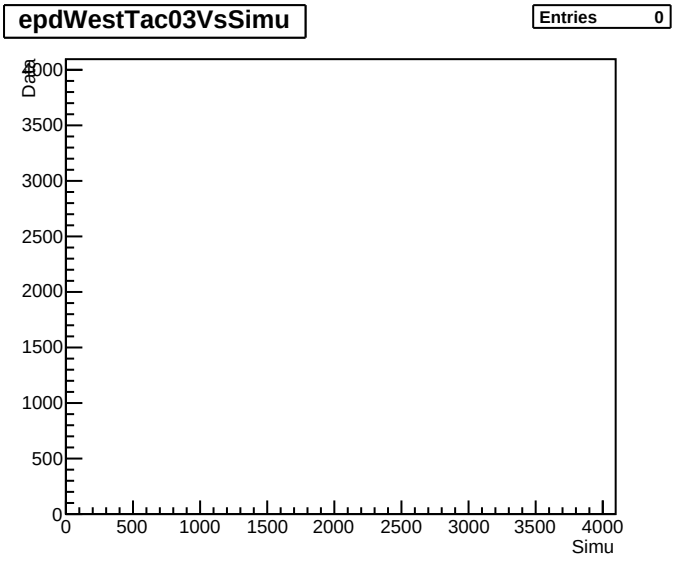

epdEastTac47
Entries 23403
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

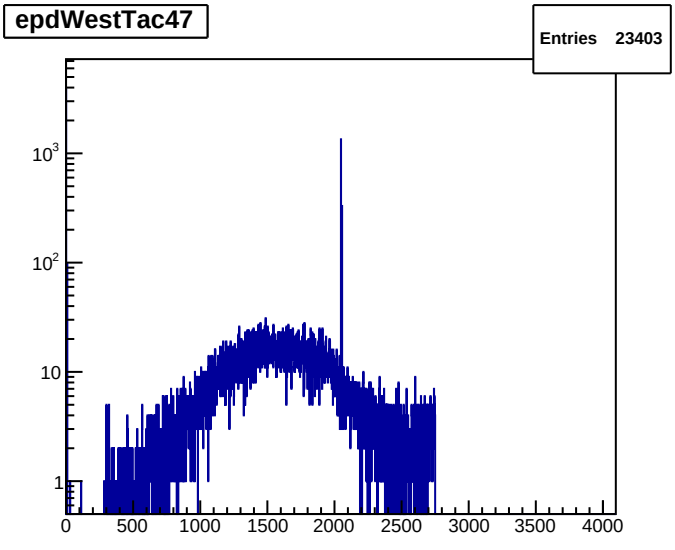

epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

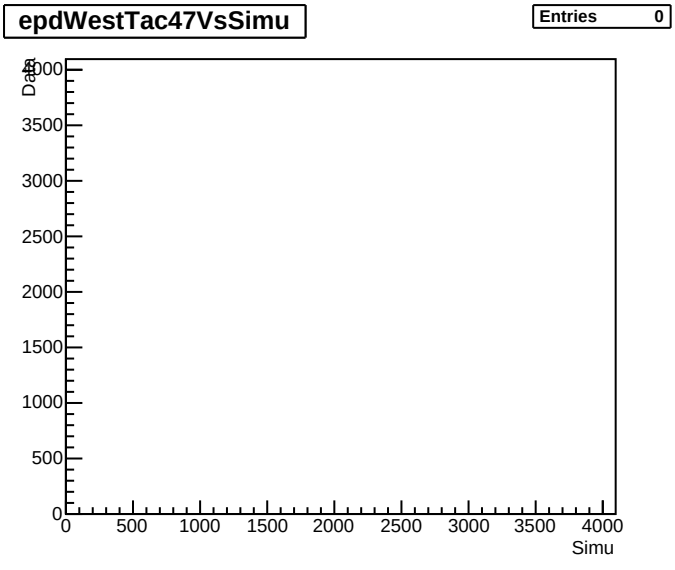

epdEastNHits
Entries 23403
10^3
10^2
10
1
0 20 40 60 80 100 120

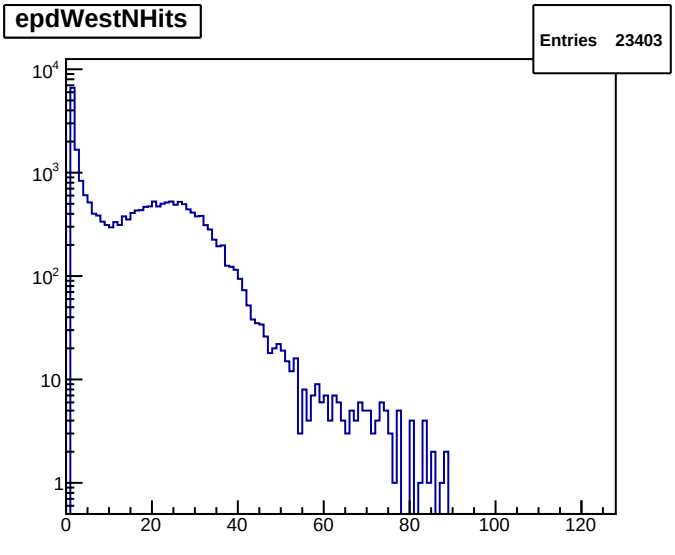

epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

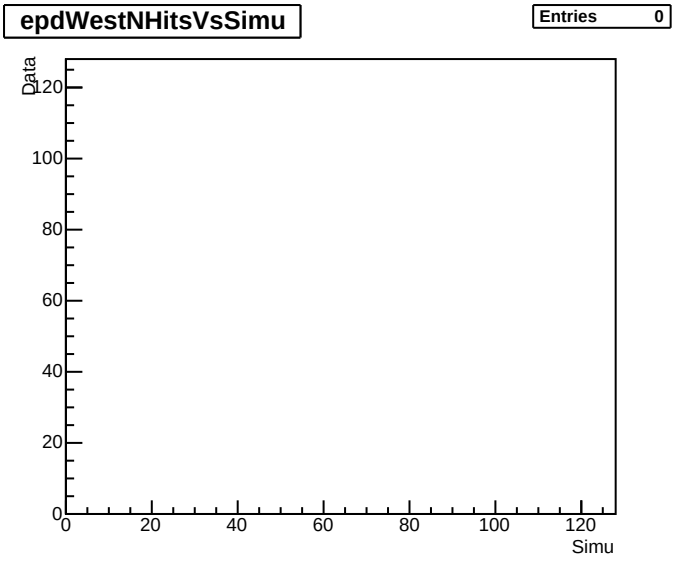

epdWestTac03
Entries 23403

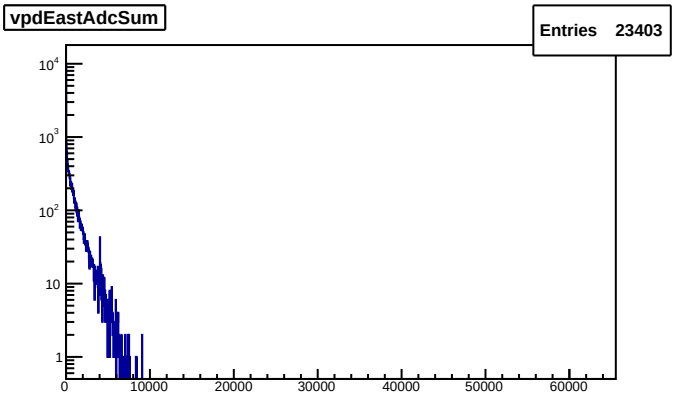

epdWestTac03VsSimu
Entries 0
Data
Simu

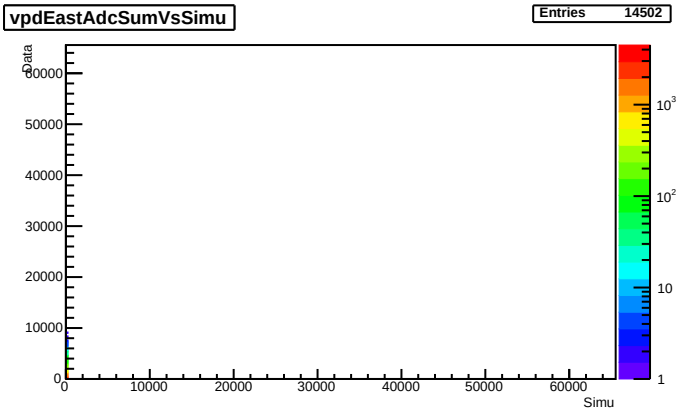

epdWestTac47
Entries 23403

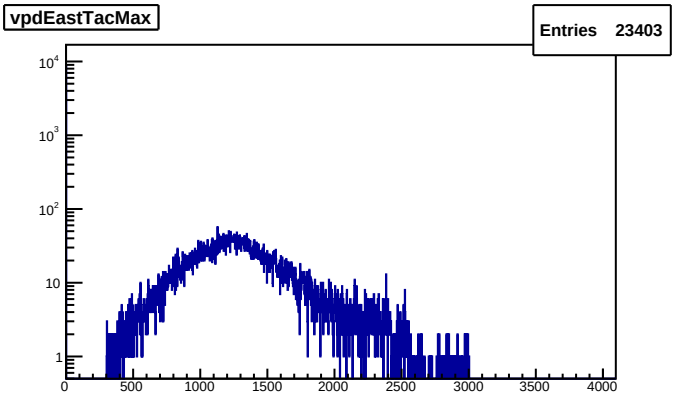

epdWestTac47VsSimu
Entries 0
Data
Simu

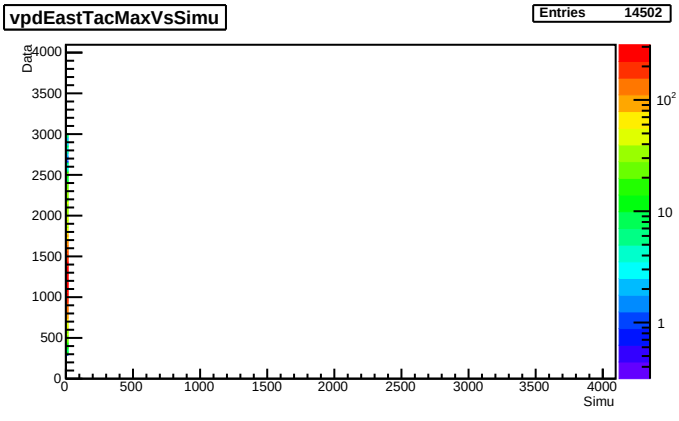

epdWestNHits
Entries 23403

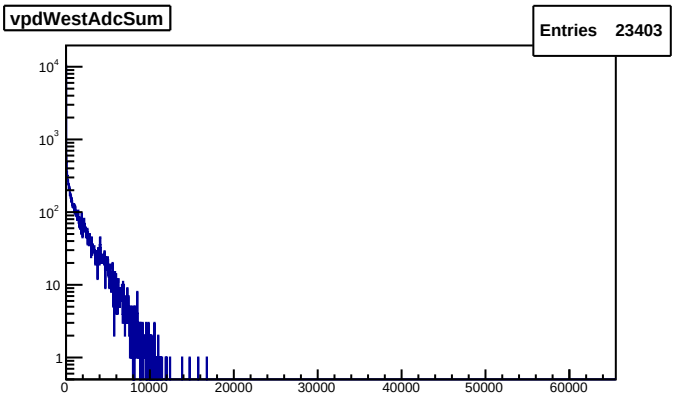

epdWestNHitsVsSimu
Entries 0
Data
Simu

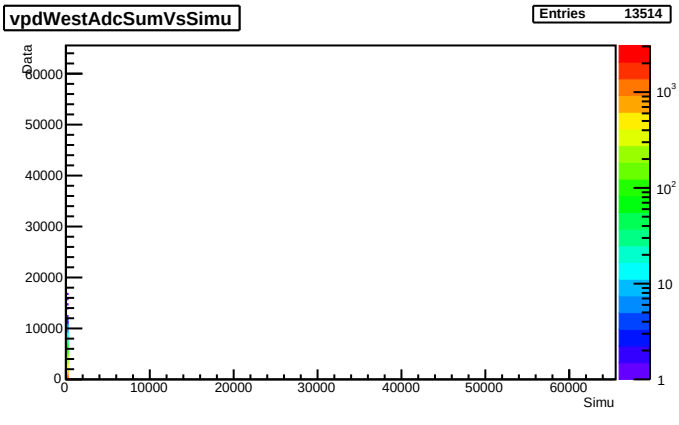

vpdEastAdcSum
Entries 23403

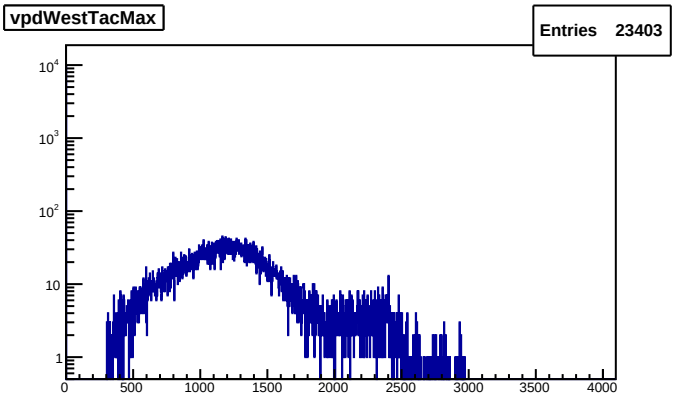

vpdEastAdcSumVsSimu
Entries 14502
Data
Simu

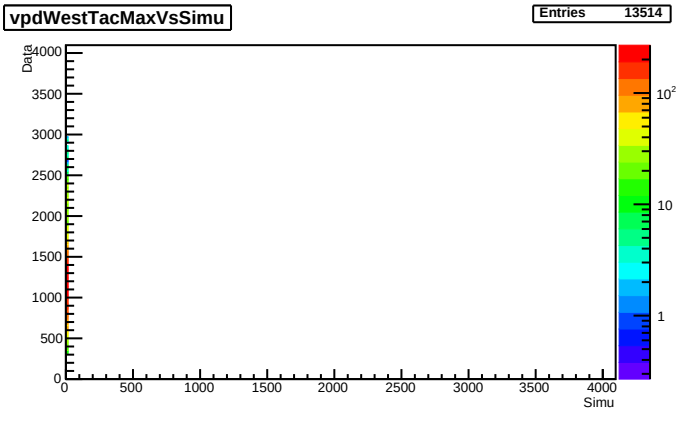

vpdEastTacMax
Entries 23403

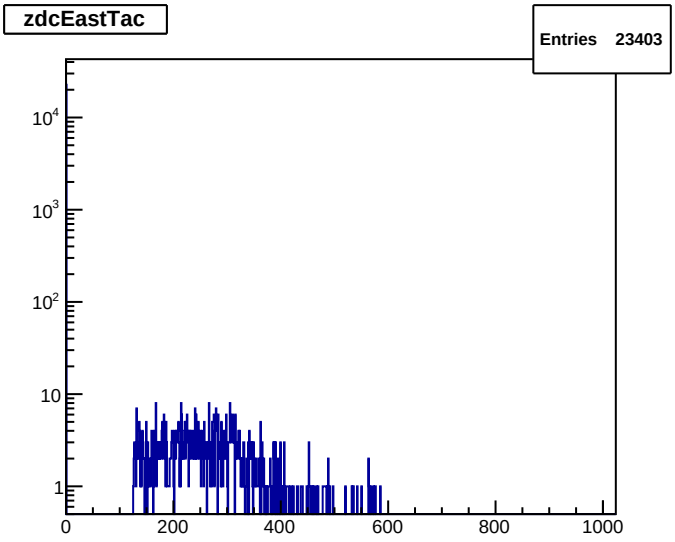

vpdEastTacMaxVsSimu
Entries 14502
Data
Simu

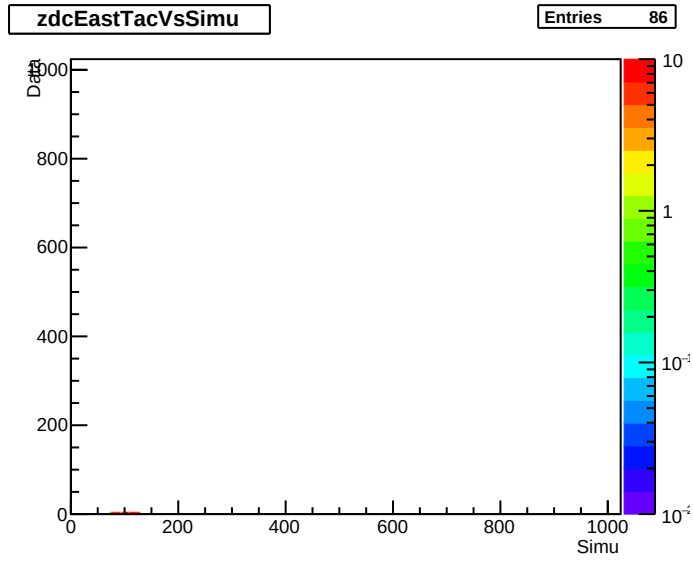

vpdWestAdcSum
Entries 23403

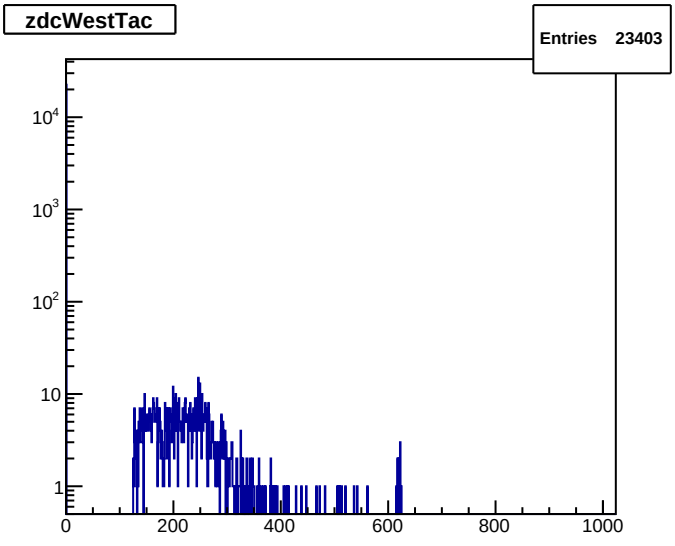

vpdWestAdcSumVsSimu
Entries 13514
Data
Simu

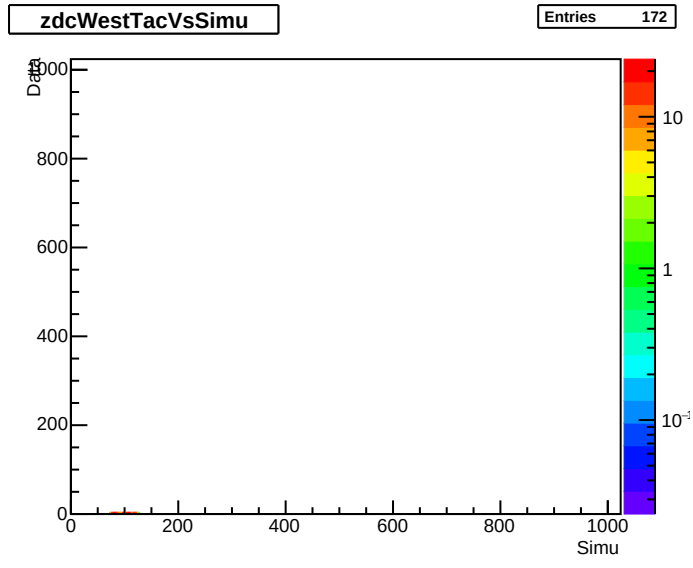

vpdWestTacMax
Entries 23403

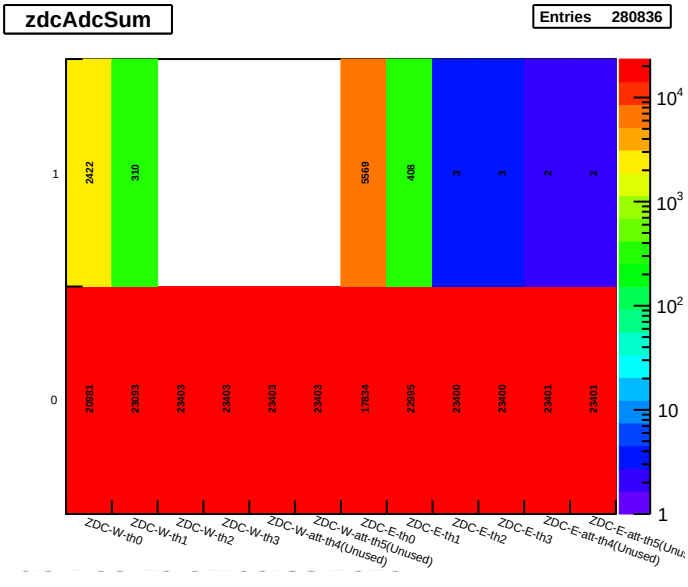

vpdWestTacMaxVsSimu
Entries 13514
Data
Simu

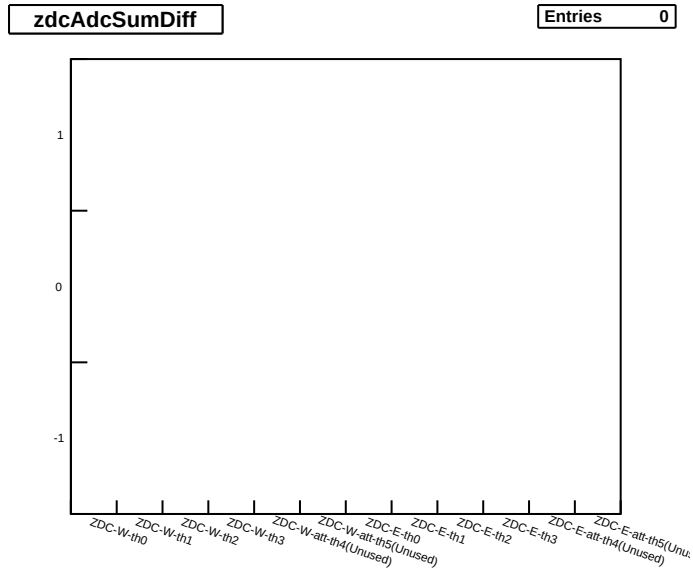

zdcEastTac
Entries 23403

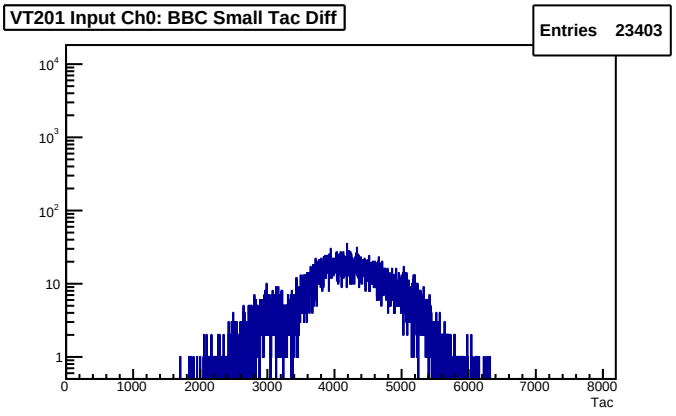

zdcEastTacVsSimu
Entries 86
Data
Simu

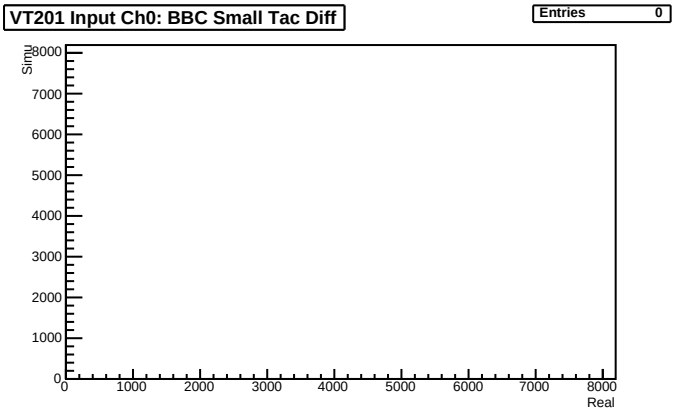

zdcWestTac
Entries 23403

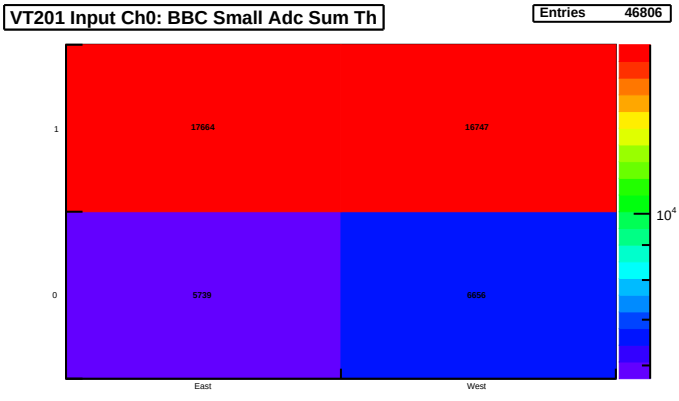

zdcWestTacVsSimu
Entries 172
Data
Simu

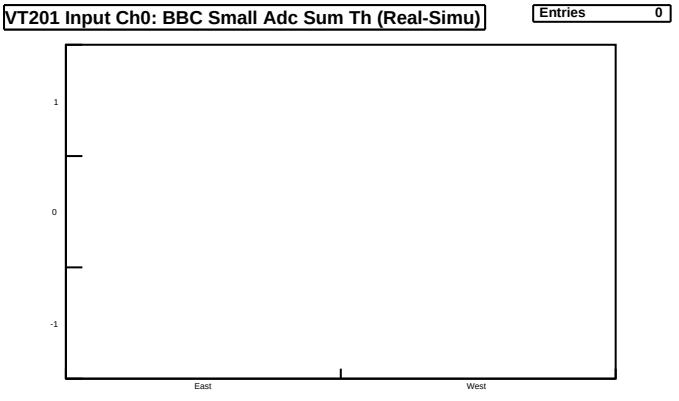

zdcAdcSum
Entries 280836
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

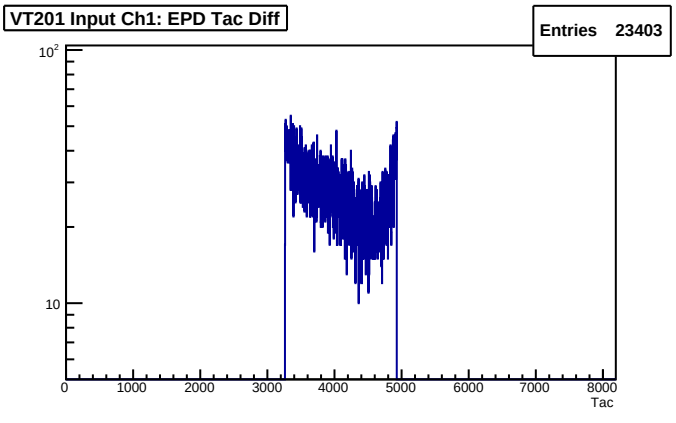

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

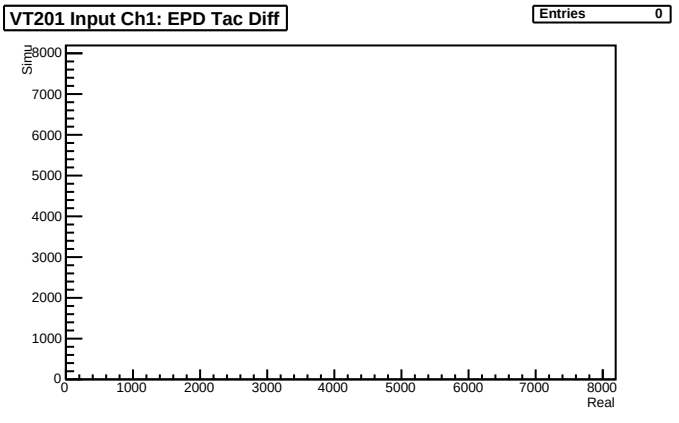

VT201 Input Ch0: BBC Small Tac Diff
Entries 23403
Tac

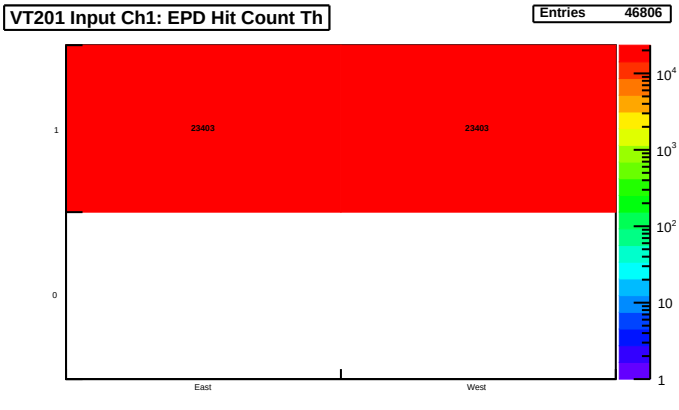

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

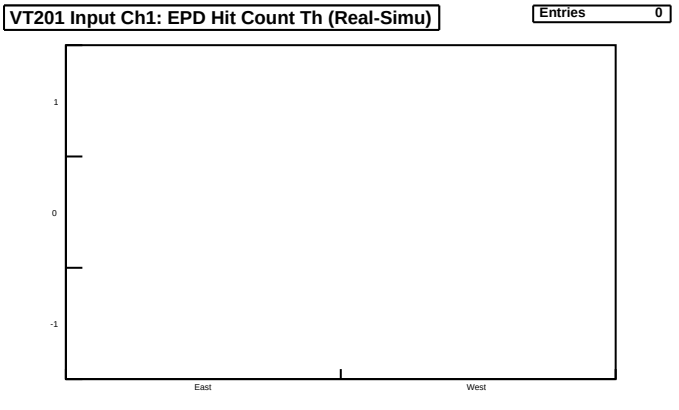

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 46806
17664
16747
5739
6656
East
West

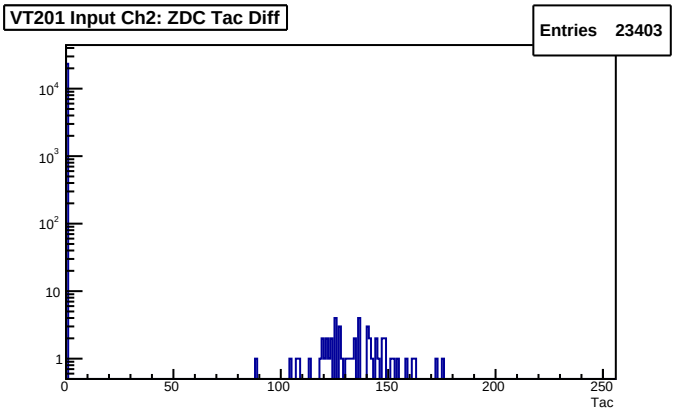

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

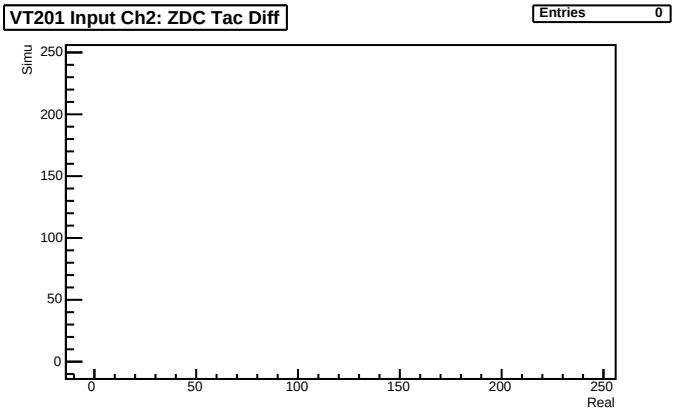

VT201 Input Ch1: EPD Tac Diff
Entries 23403
Tac

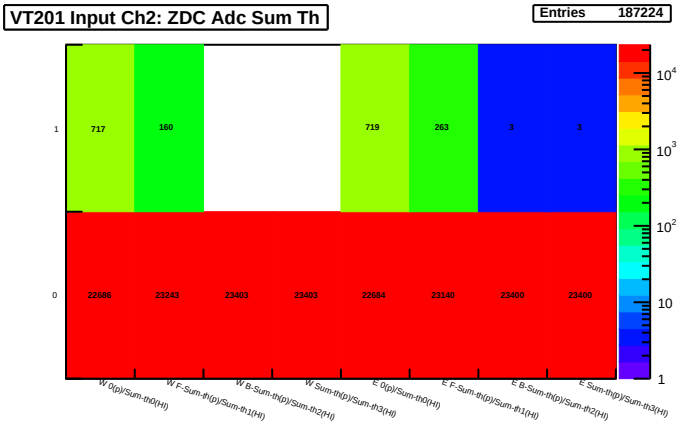

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

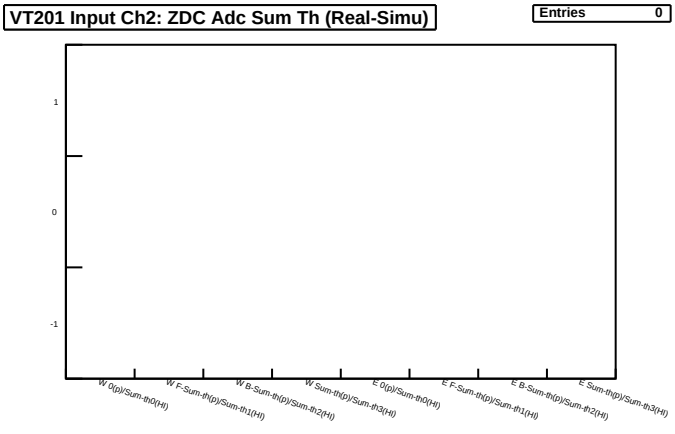

VT201 Input Ch1: EPD Hit Count Th
Entries 46806
23403
23403
East
West

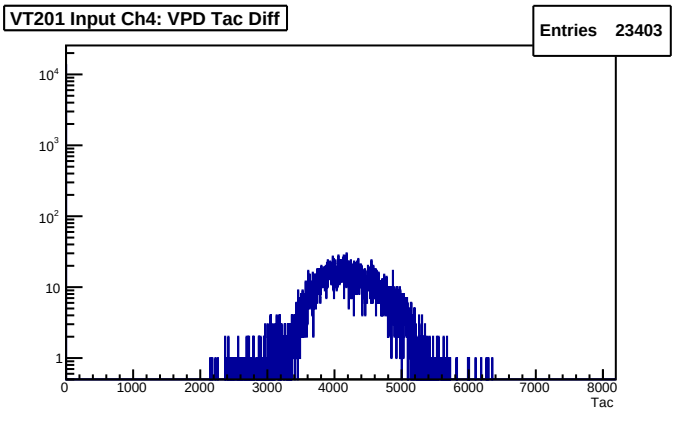

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

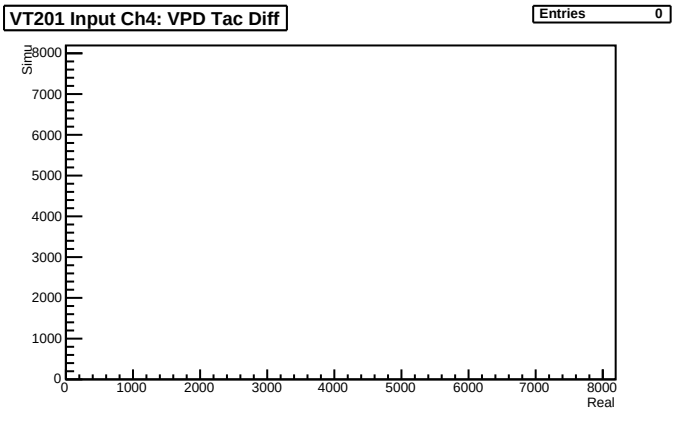

VT201 Input Ch2: ZDC Tac Diff
Entries 23403
Tac

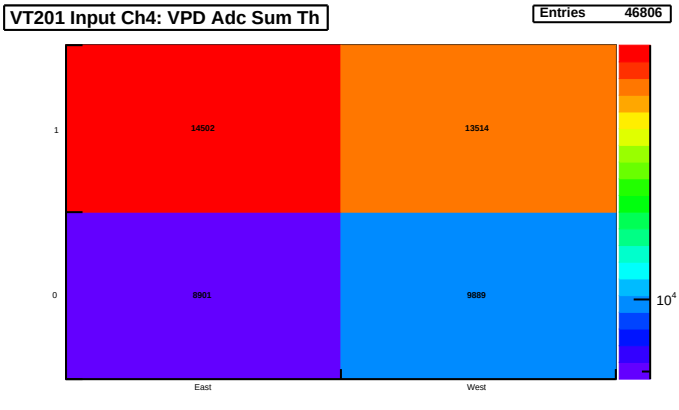

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

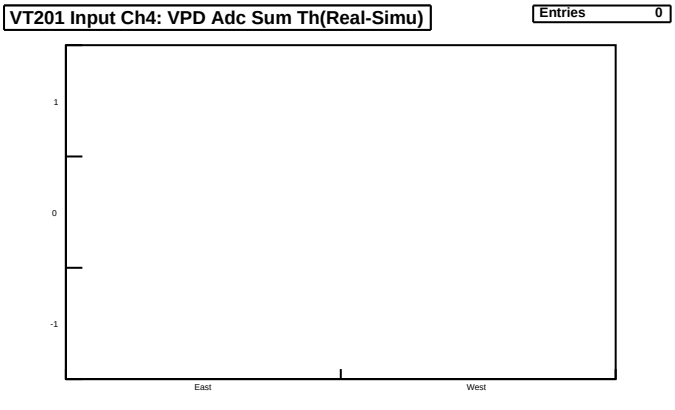

VT201 Input Ch2: ZDC Adc Sum Th
Entries 187224
717
160
719
263
3
3
22686
23243
23403
23403
22684
23140
23400
23400
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

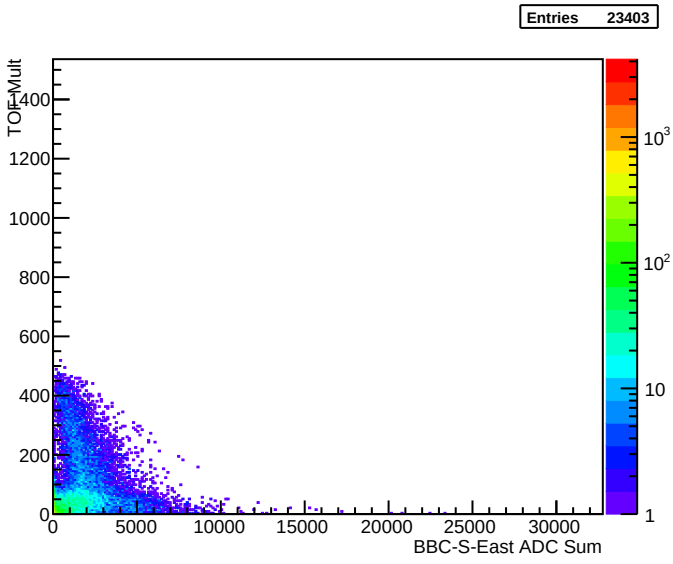

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

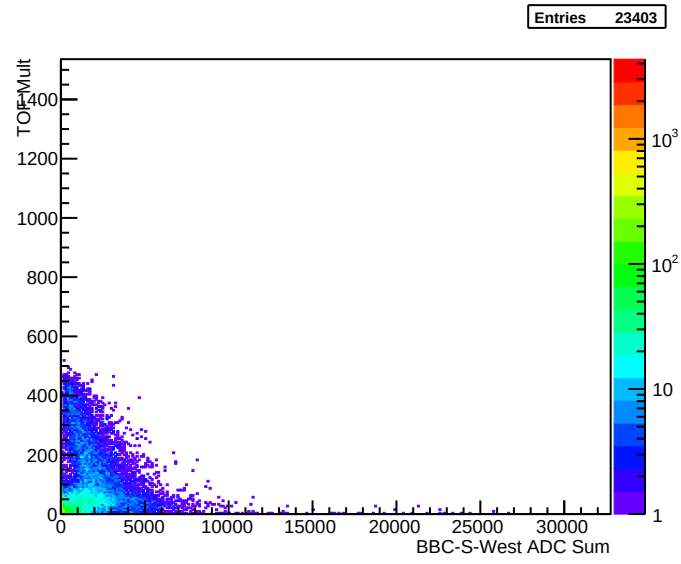

VT201 Input Ch4: VPD Tac Diff
Entries 23403
Tac

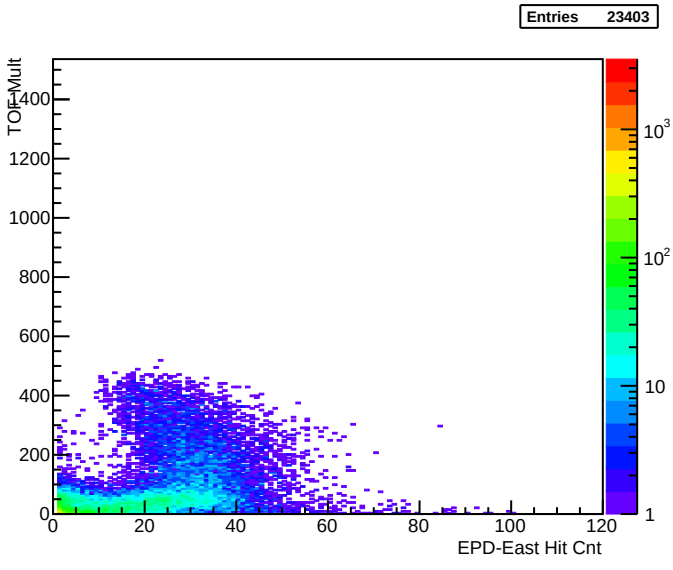

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

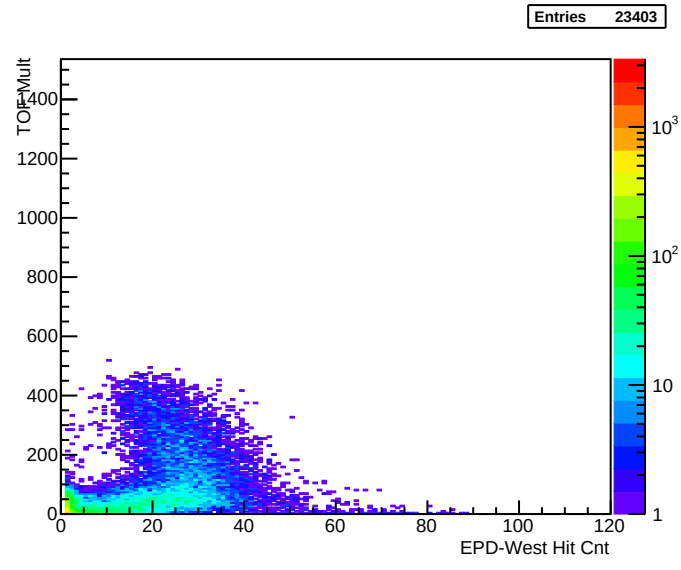

VT201 Input Ch4: VPD Adc Sum Th
Entries 46806
14502
13514
8901
9889
East
West

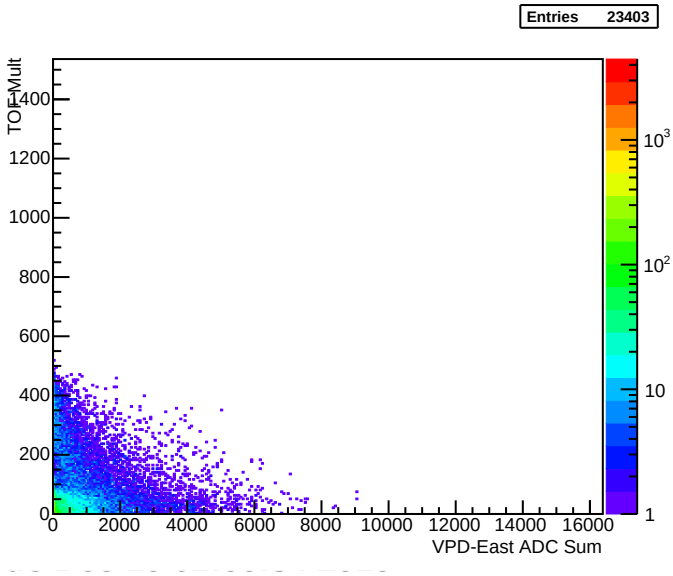

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

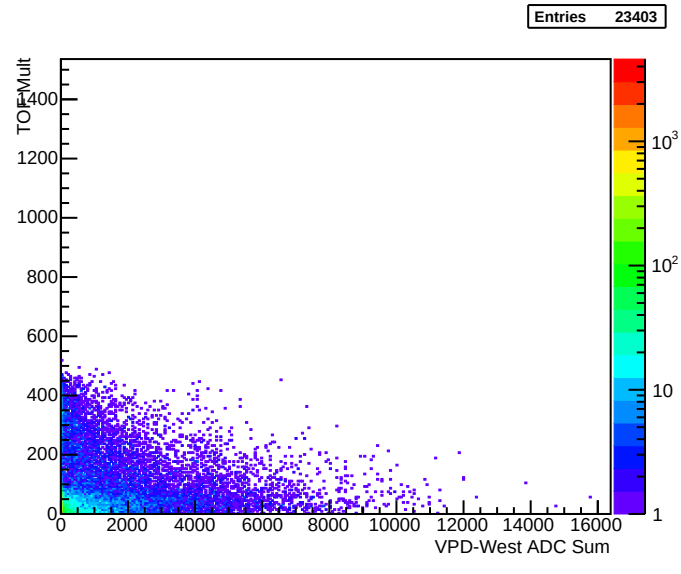

Entries 23403
TOF-Mult
BBC-S-East ADC Sum

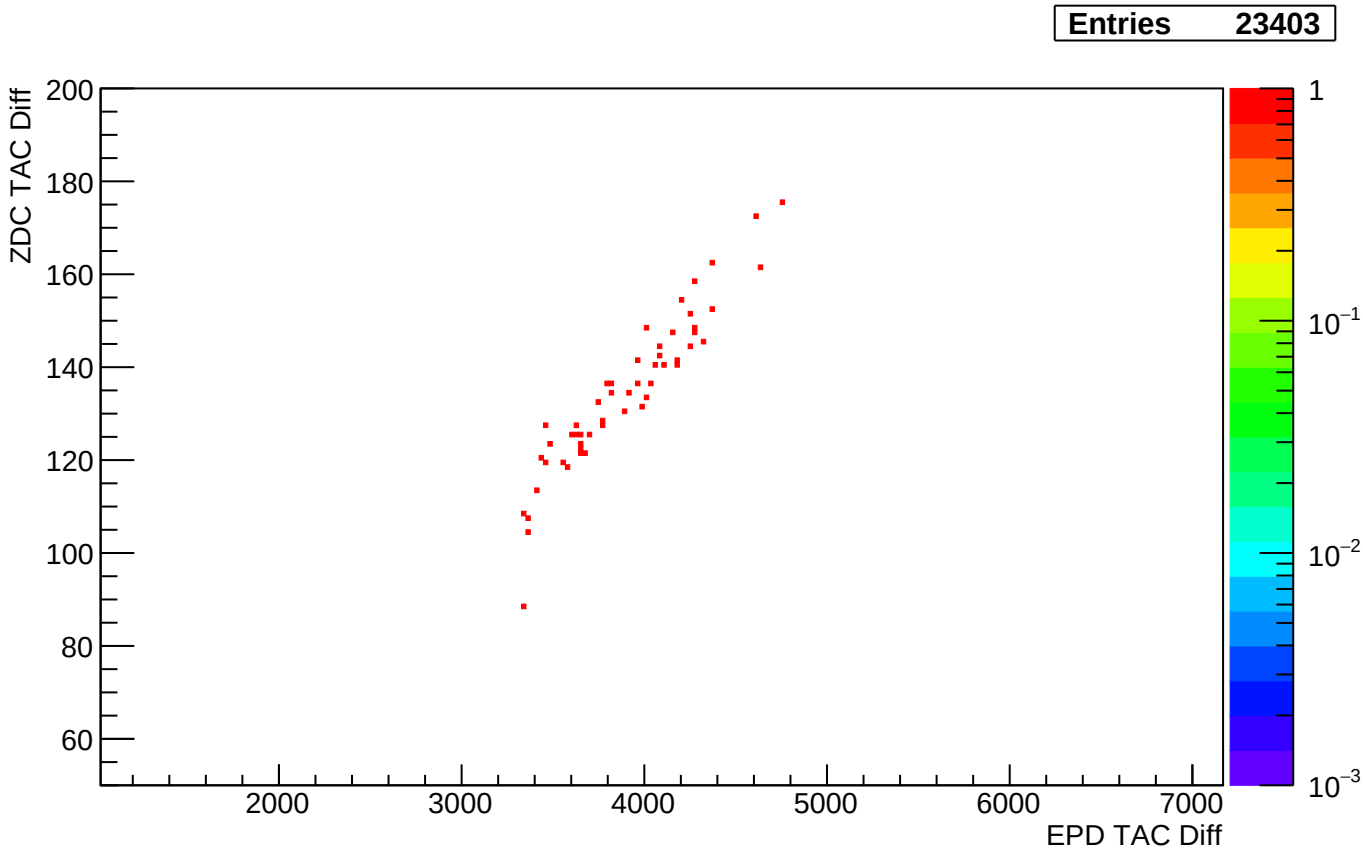

Entries 23403
TOF-Mult
BBC-S-West ADC Sum

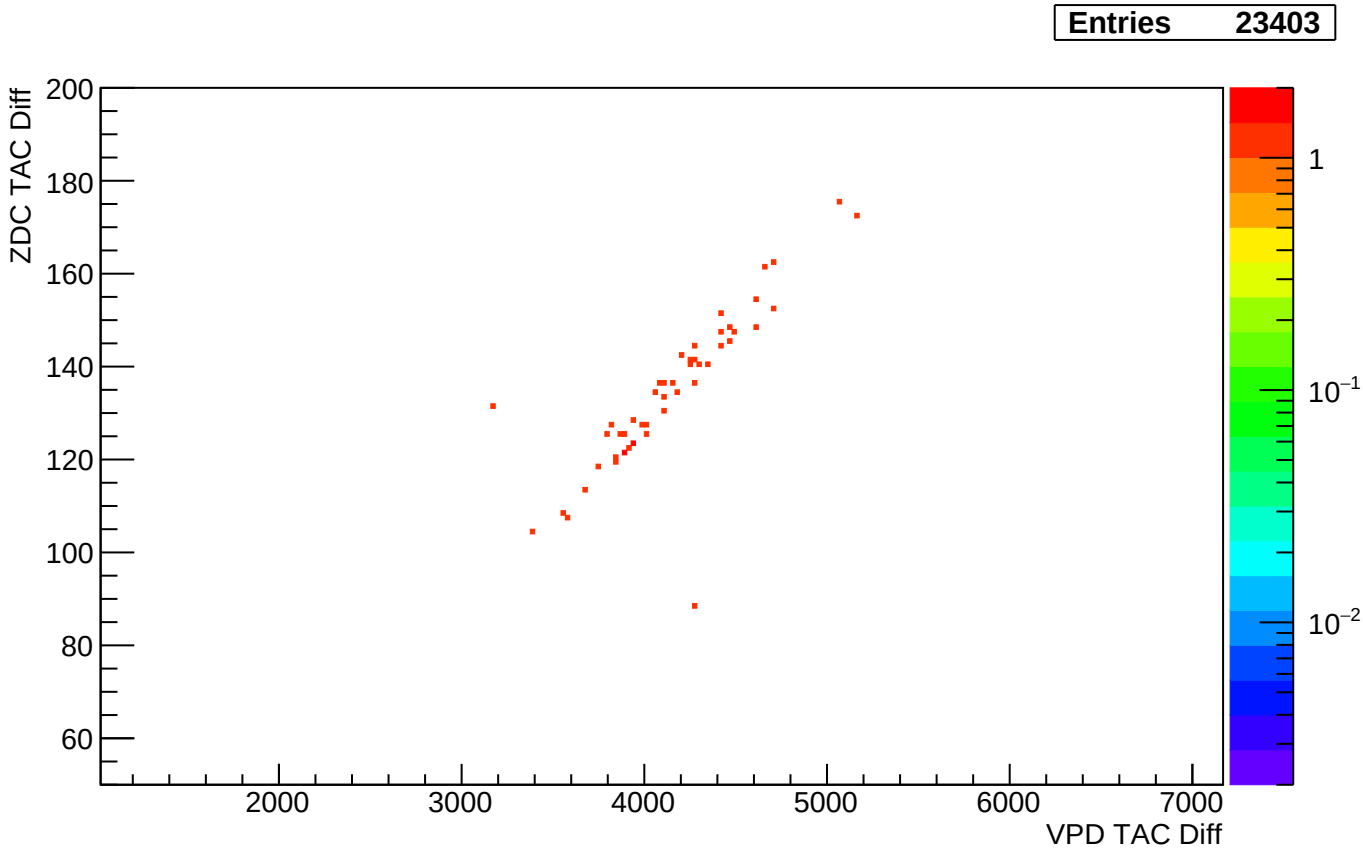

Entries 23403
TOF-Mult
EPD-East Hit Cnt

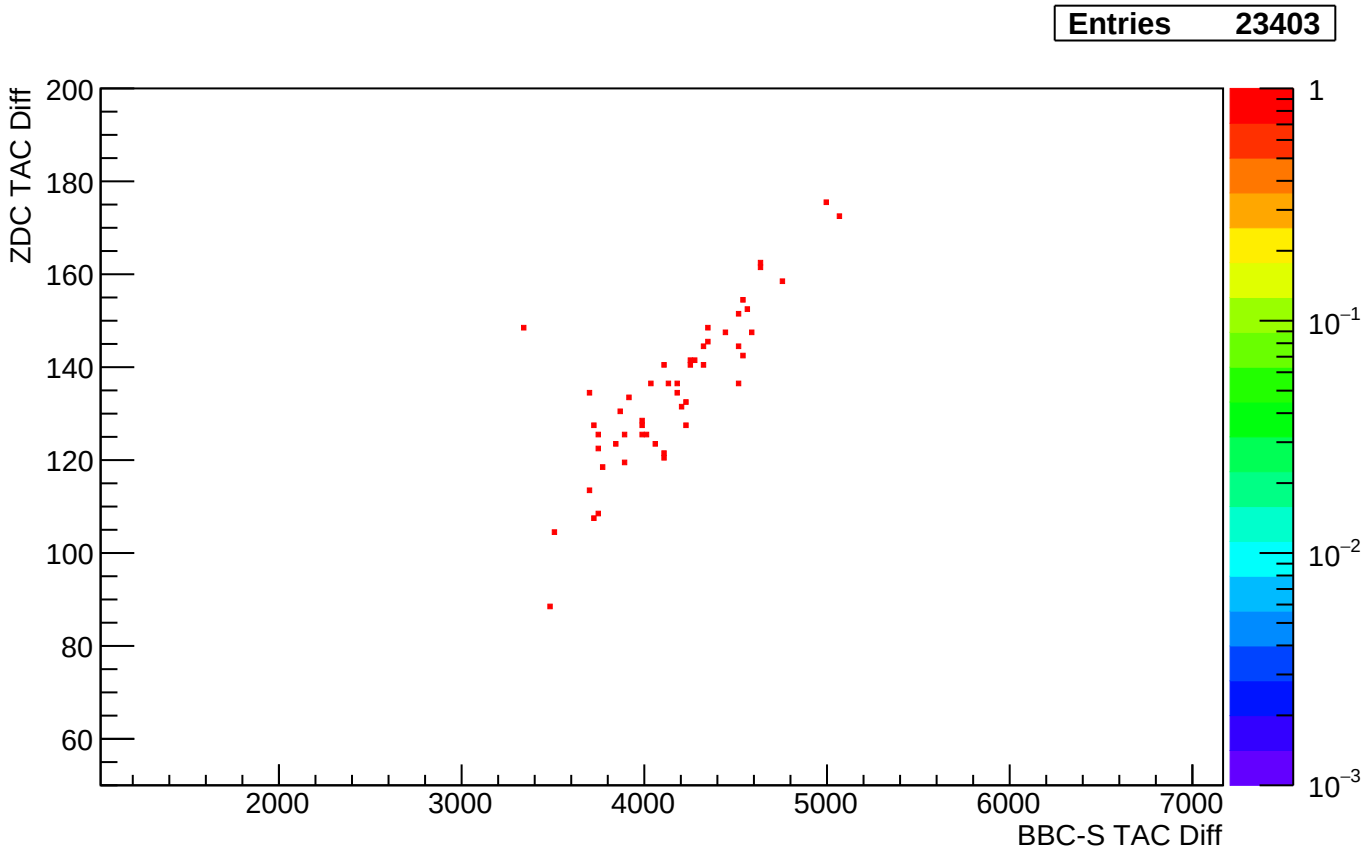

Entries 23403
TOF-Mult
EPD-West Hit Cnt

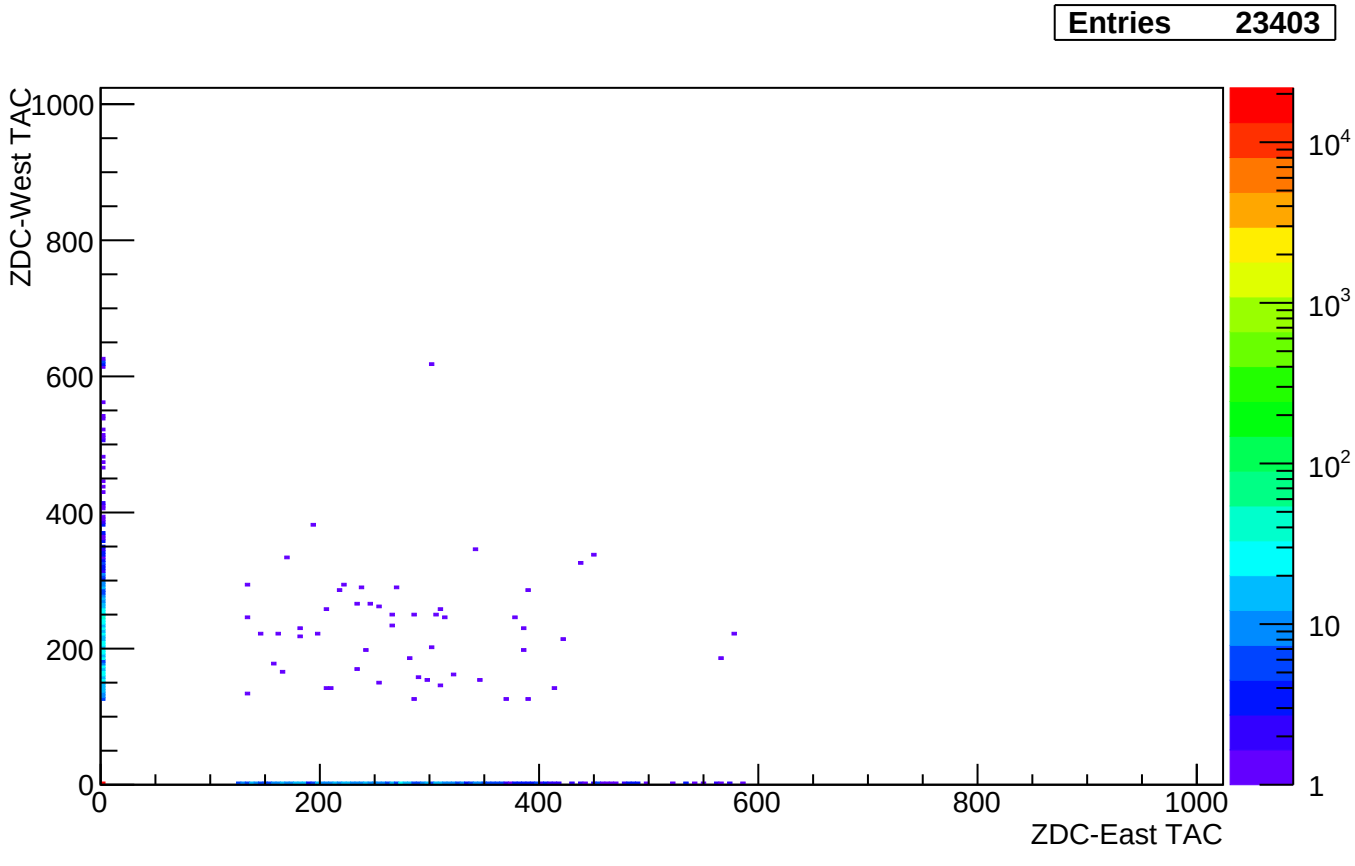

Entries 23403
TOF-Mult
VPD-East ADC Sum

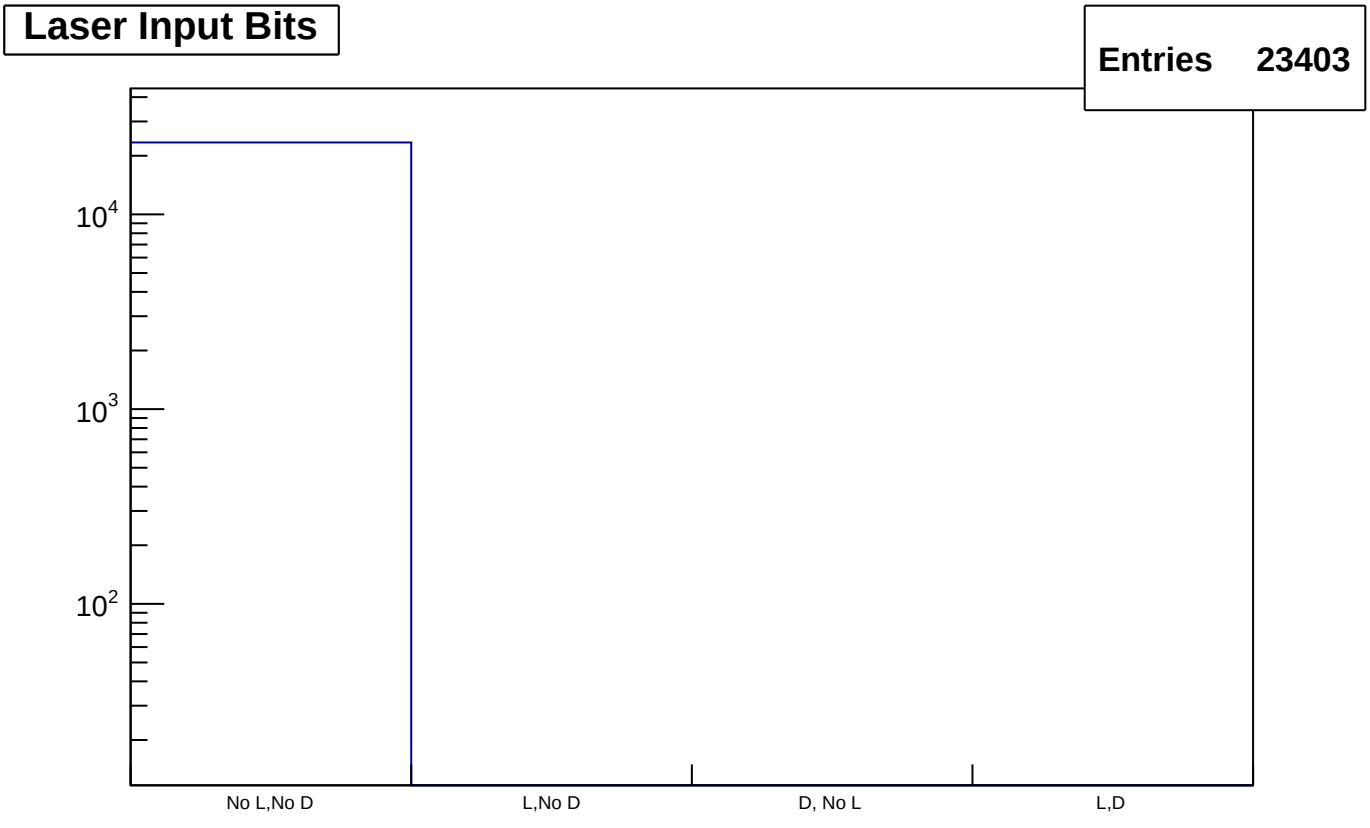

Entries 23403
TOF-Mult
VPD-West ADC Sum

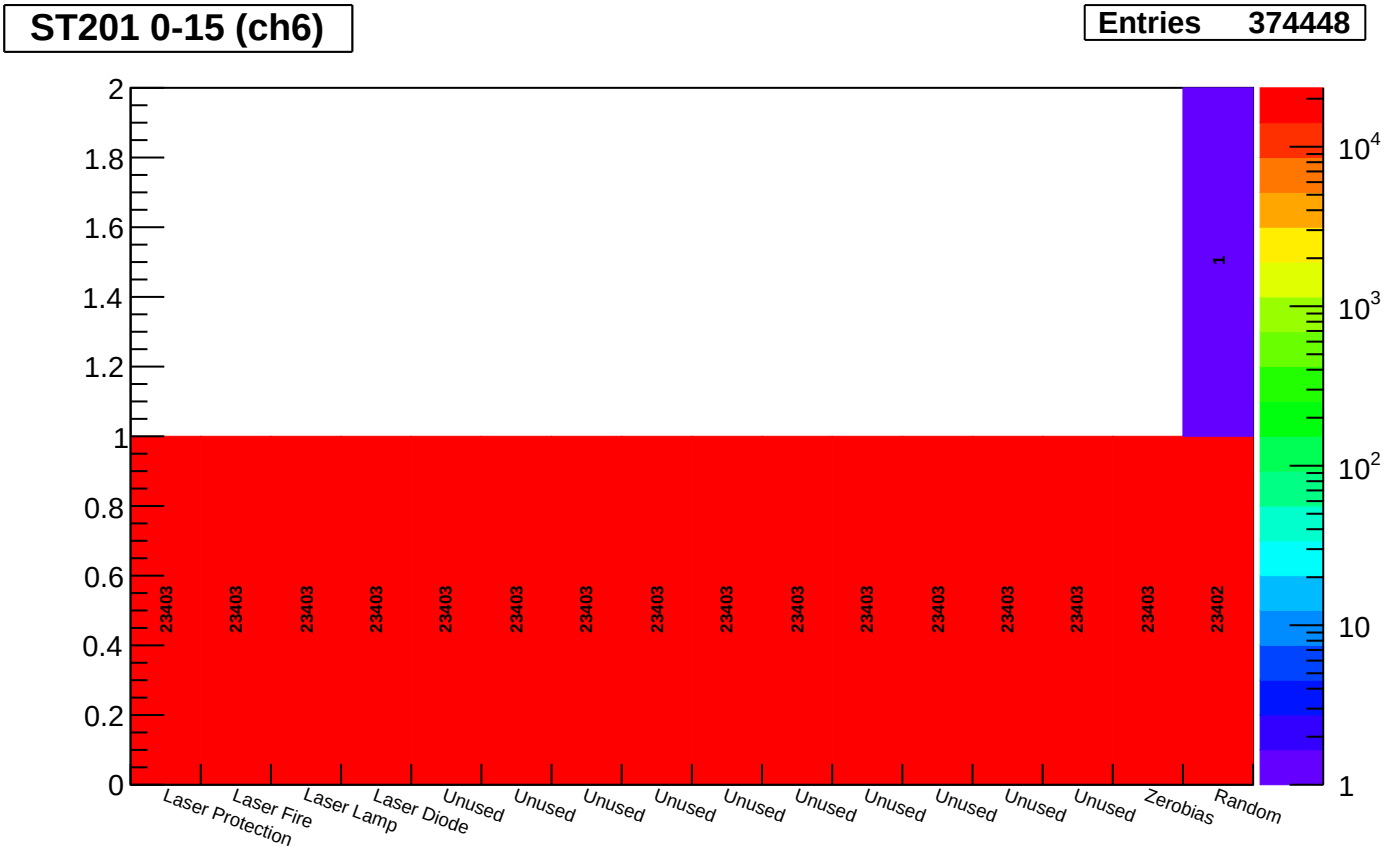

Entries 23403
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

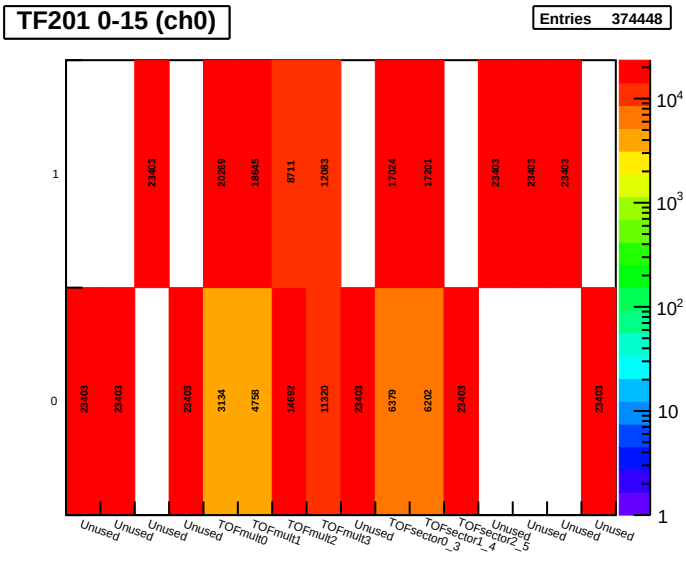

Entries 23403
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

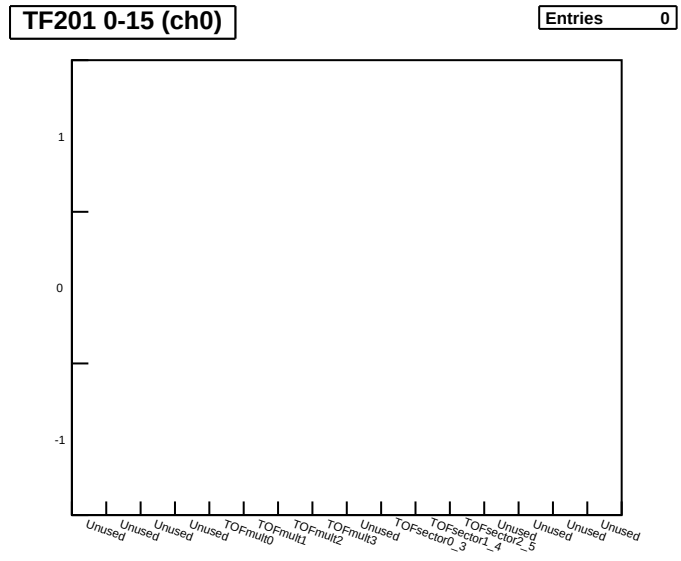

Entries 23403
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

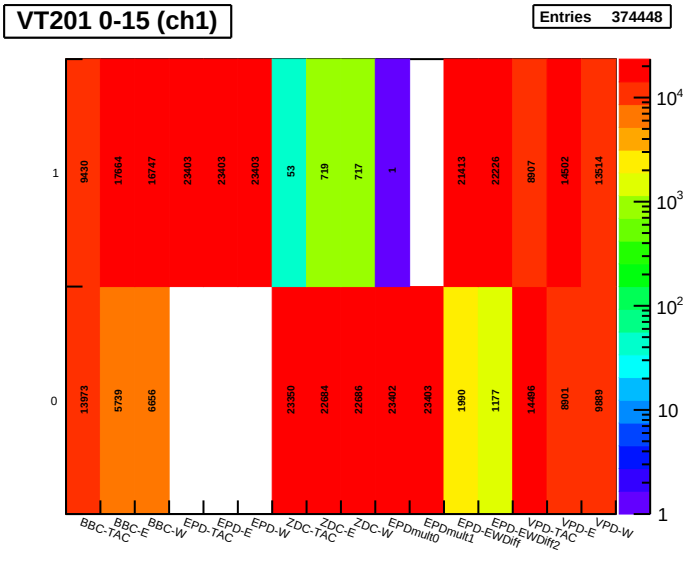

Entries 23403
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

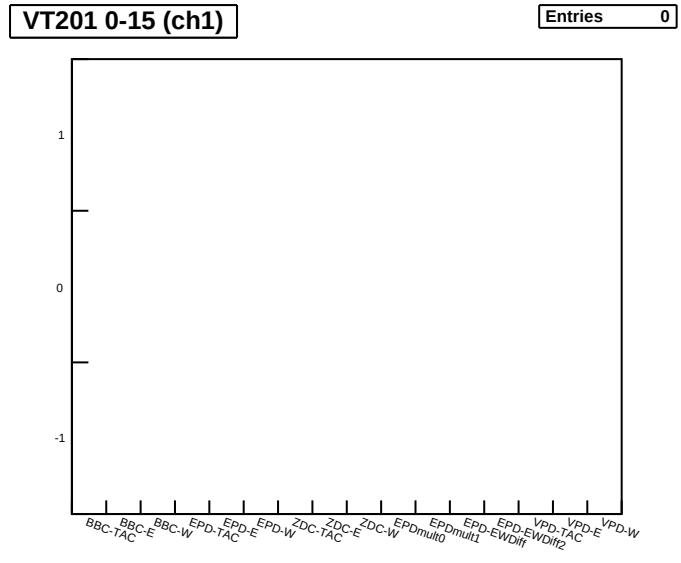

Laser Input Bits
Entries 23403
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

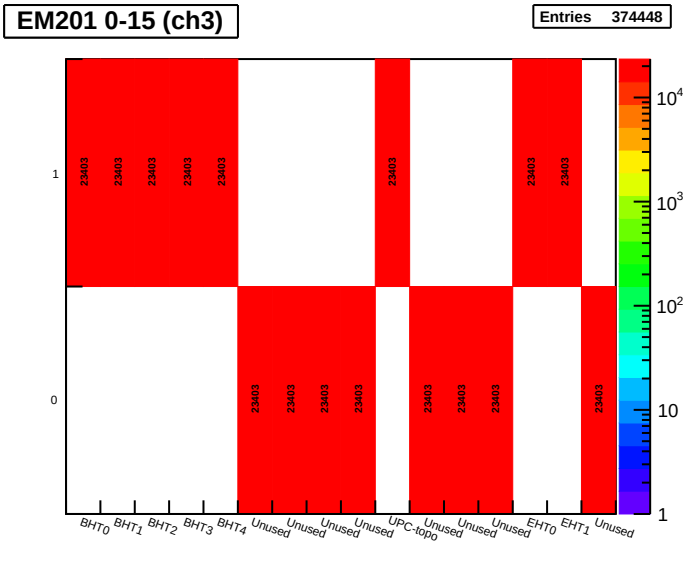

ST201 0-15 (ch6)
Entries 374448
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
23403
23402
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

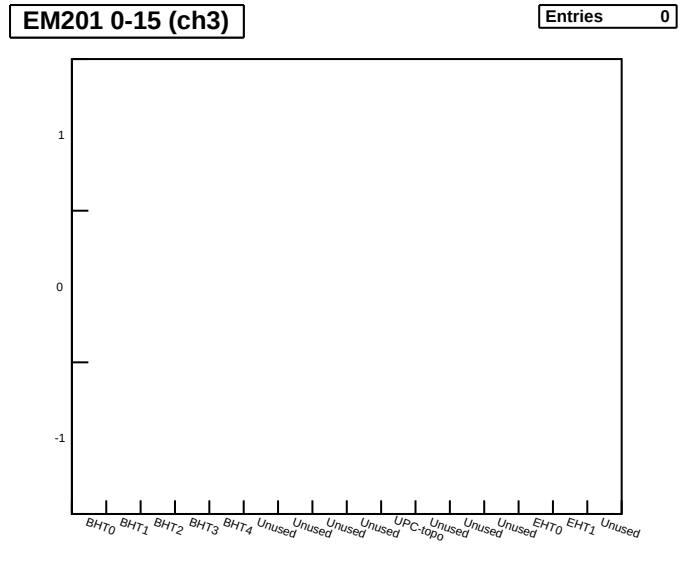

TF201 0-15 (ch0)
Entries 374448
1
0
23403
20269
18645
8711
12063
17024
17201
23403
23403
23403
23403
23403
23403
3134
4798
14692
11320
23403
6379
6202
23403
23403
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 374448
1
0
9430
17664
16747
23403
23403
23403
53
719
717
1
21413
22226
8907
14502
13514
13973
5739
6656
23350
22684
22686
23402
23403
1990
1177
14496
8901
9889
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 374448
1
0
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
23403
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