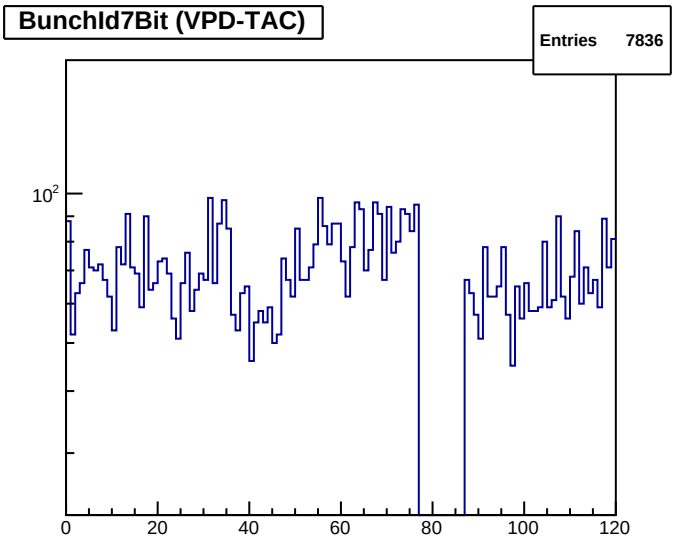
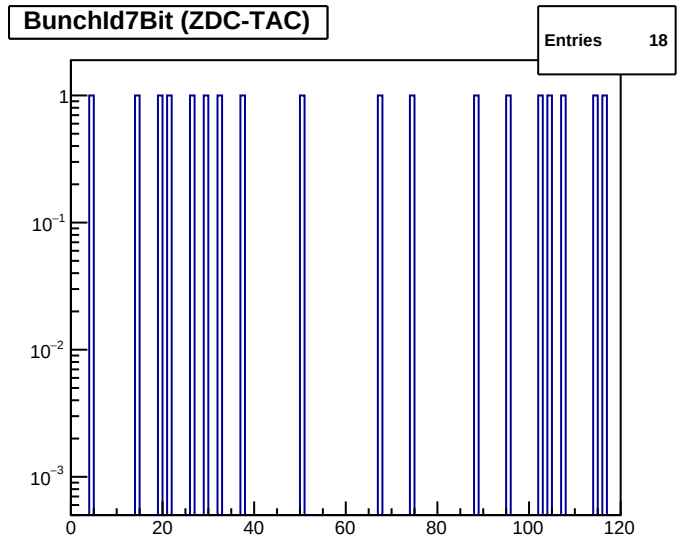
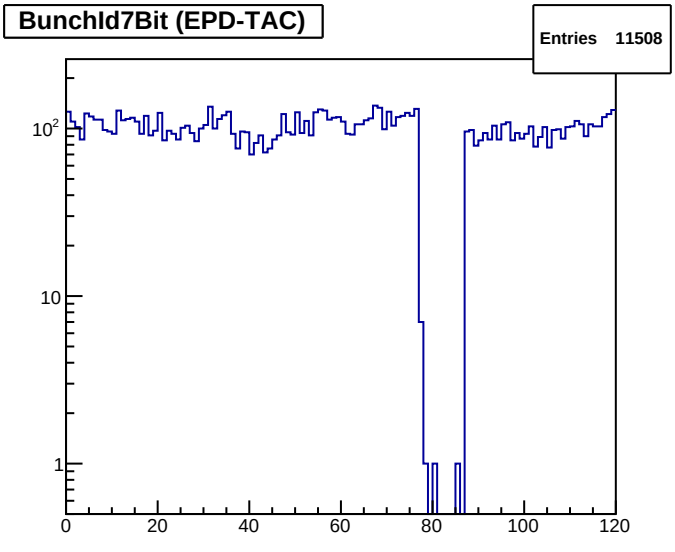
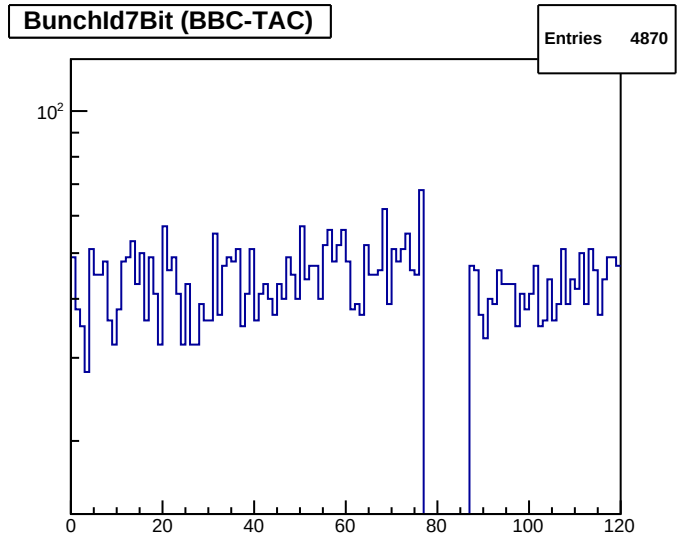
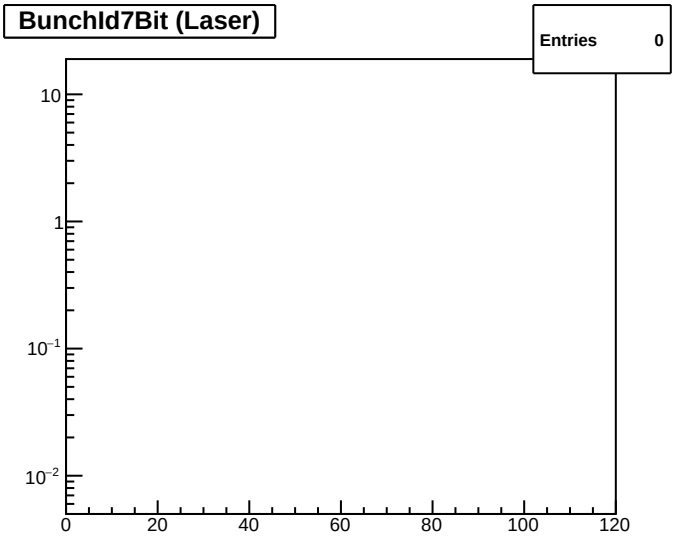
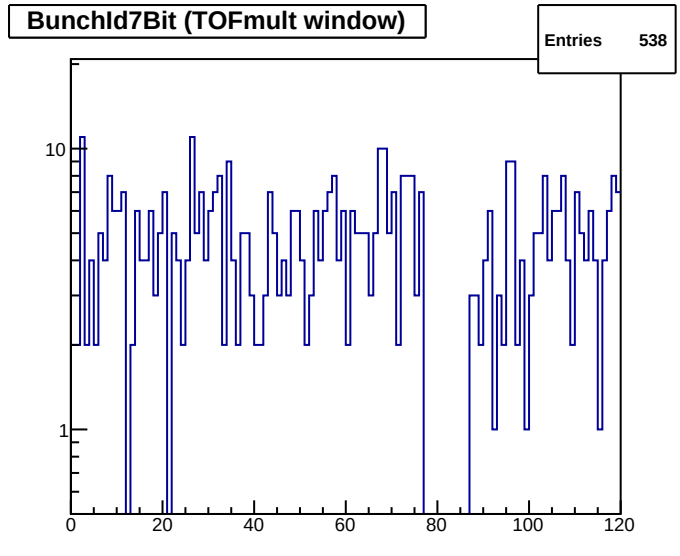

BunchId7Bit (VPD-TAC)
Entries 7836
10^2
0 20 40 60 80 100 120

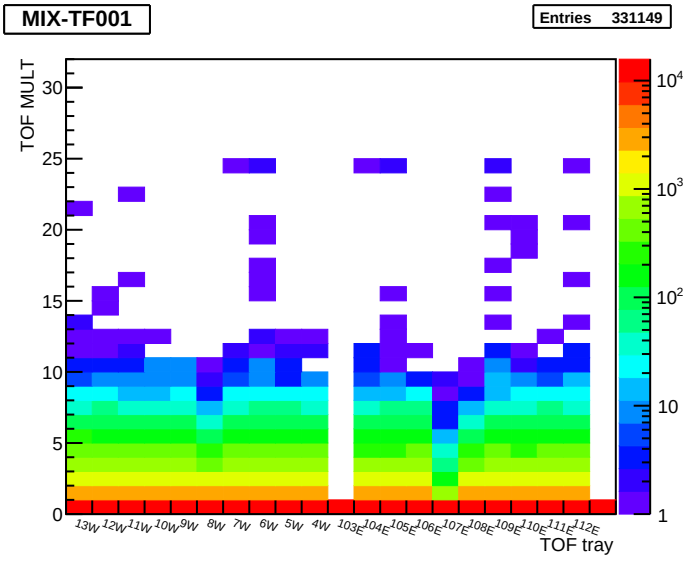

BunchId7Bit (ZDC-TAC)
Entries 18
1
10^{-1}
10^{-2}
10^{-3}
0 20 40 60 80 100 120

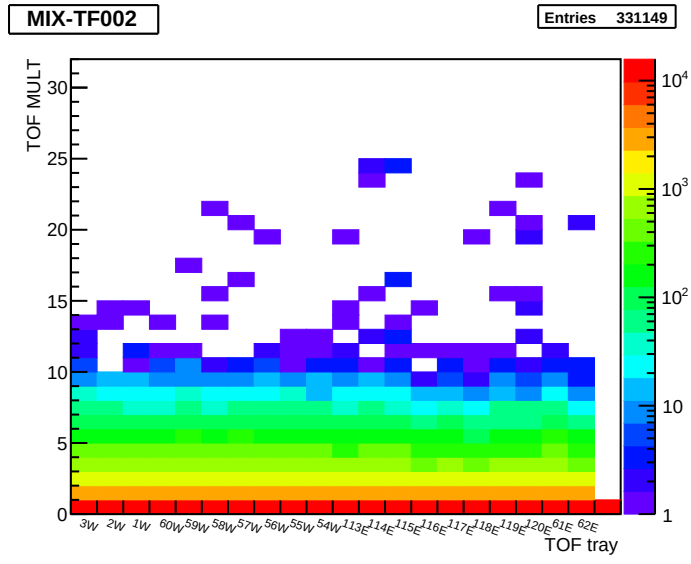

BunchId7Bit (EPD-TAC)
Entries 11508
10^2
10
1
0 20 40 60 80 100 120

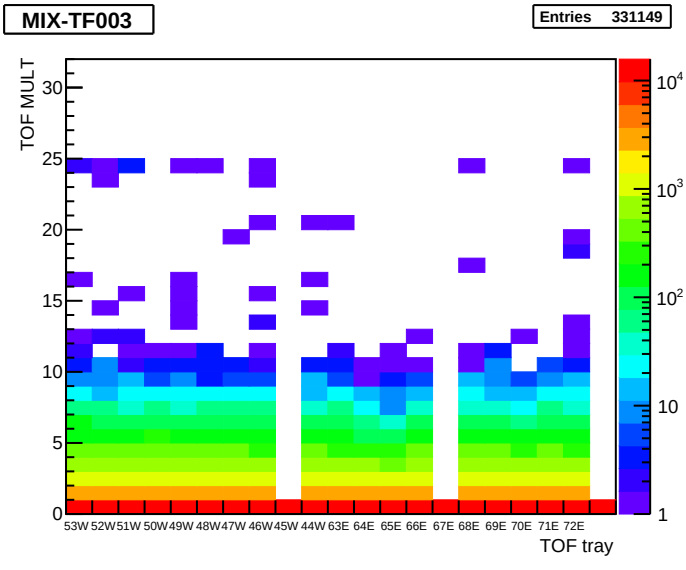

BunchId7Bit (BBC-TAC)
Entries 4870
10^2
0 20 40 60 80 100 120

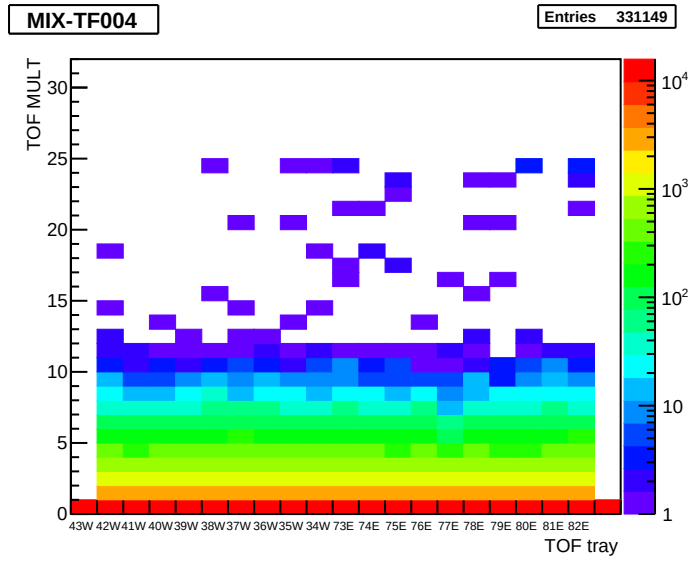

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

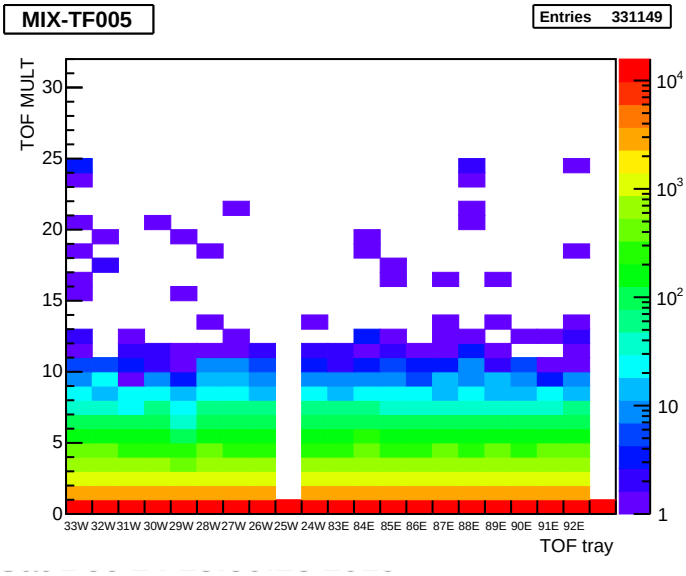

BunchId7Bit (TOFmult window)
Entries 538
10
1
0 20 40 60 80 100 120

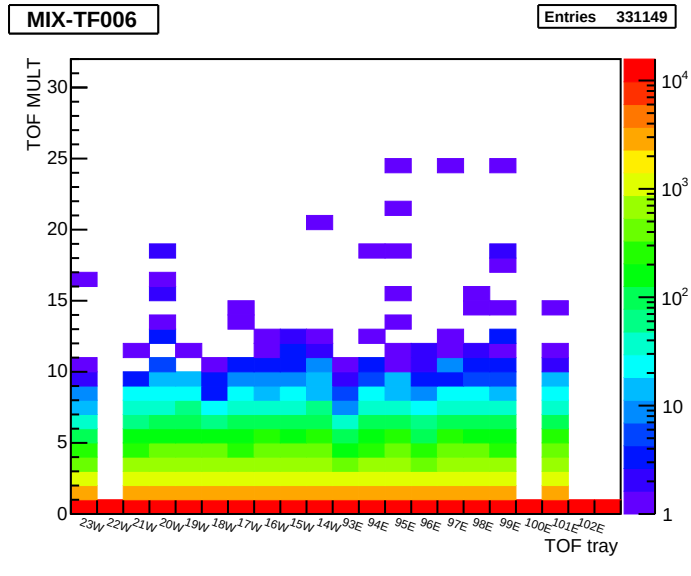

MIX-TF001
Entries 331149
TOF MULT
TOF tray

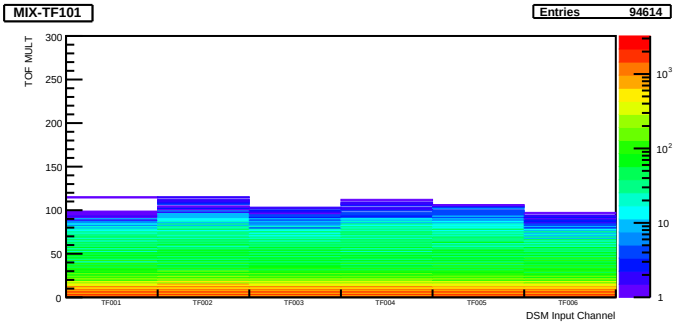

MIX-TF002
Entries 331149
TOF MULT
TOF tray

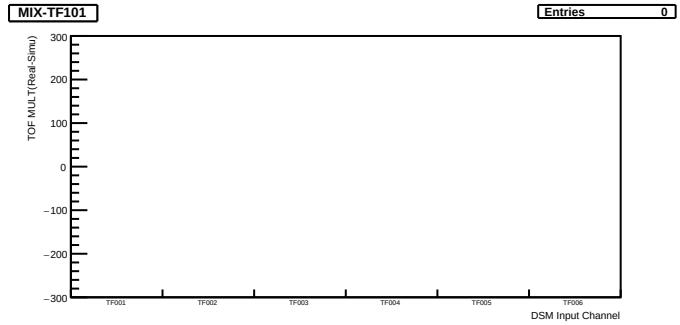

MIX-TF003
Entries 331149
TOF MULT
TOF tray

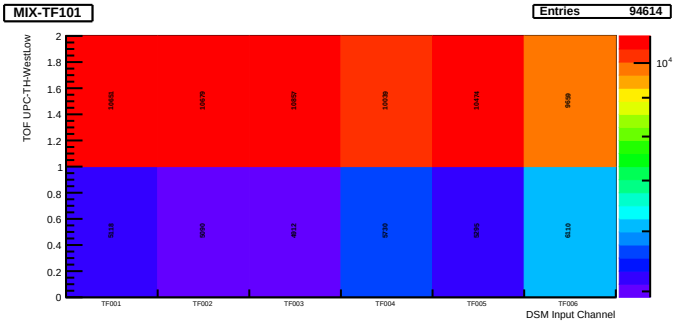

MIX-TF004
Entries 331149
TOF MULT
TOF tray

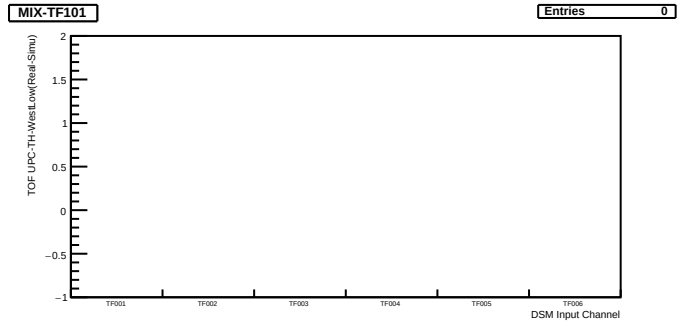

MIX-TF005
Entries 331149
TOF MULT
TOF tray

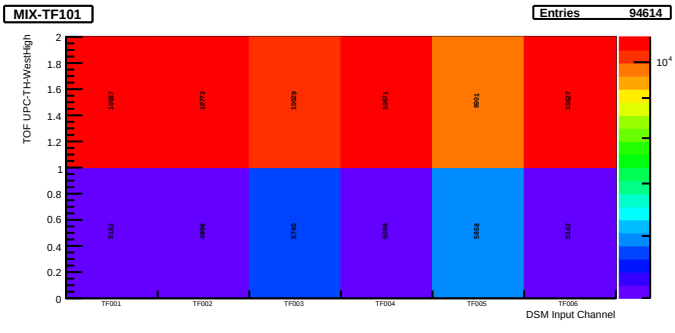

MIX-TF006
Entries 331149
TOF MULT
TOF tray

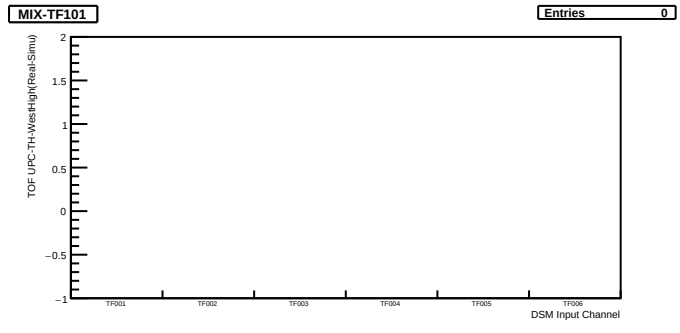

MIX-TF101
Entries 94614
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

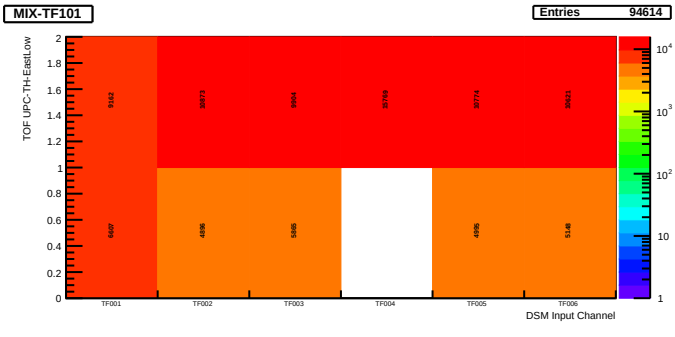

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

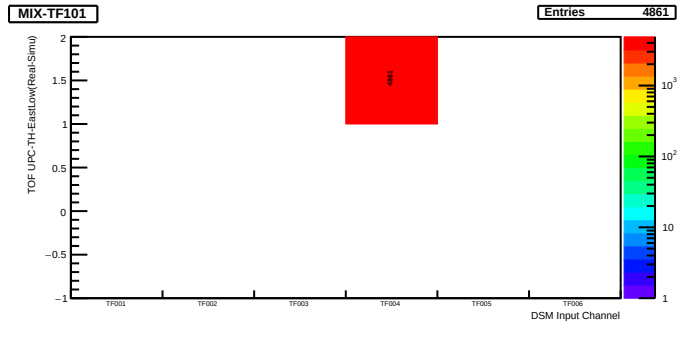

MIX-TF101
Entries 94614
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

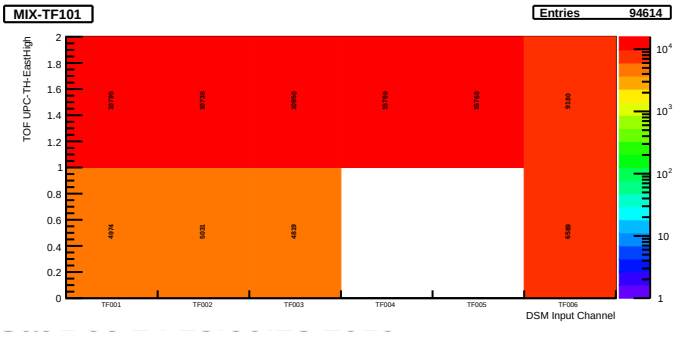

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

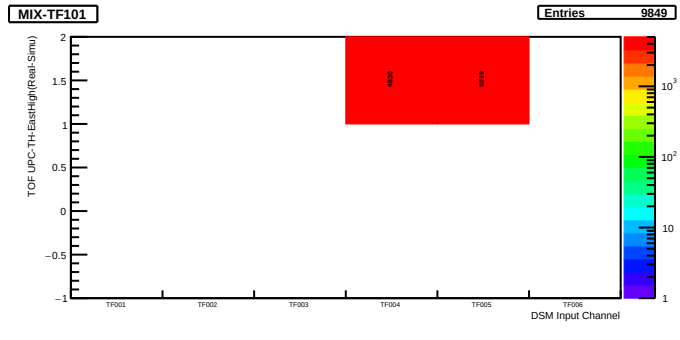

MIX-TF101
Entries 94614
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

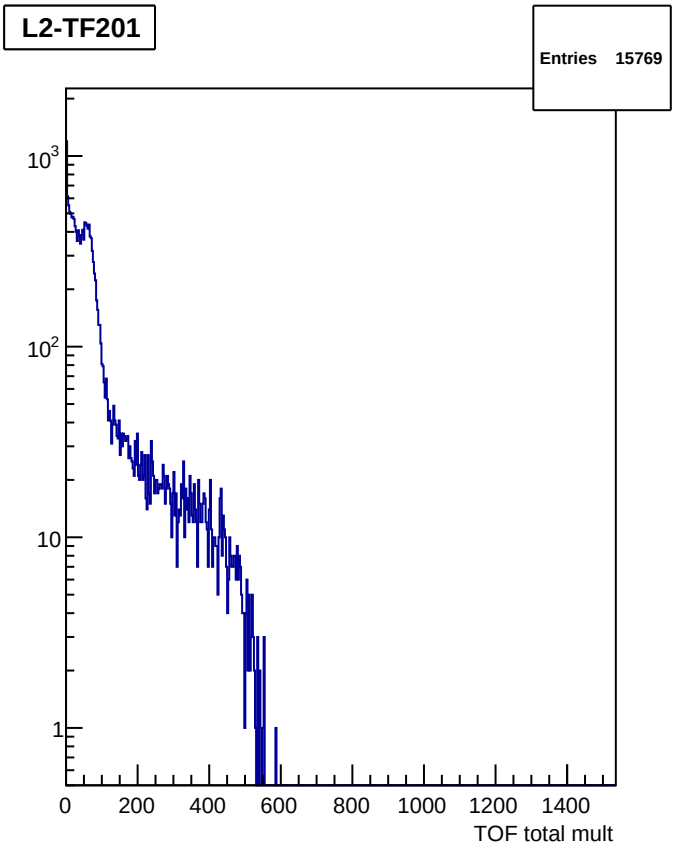

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

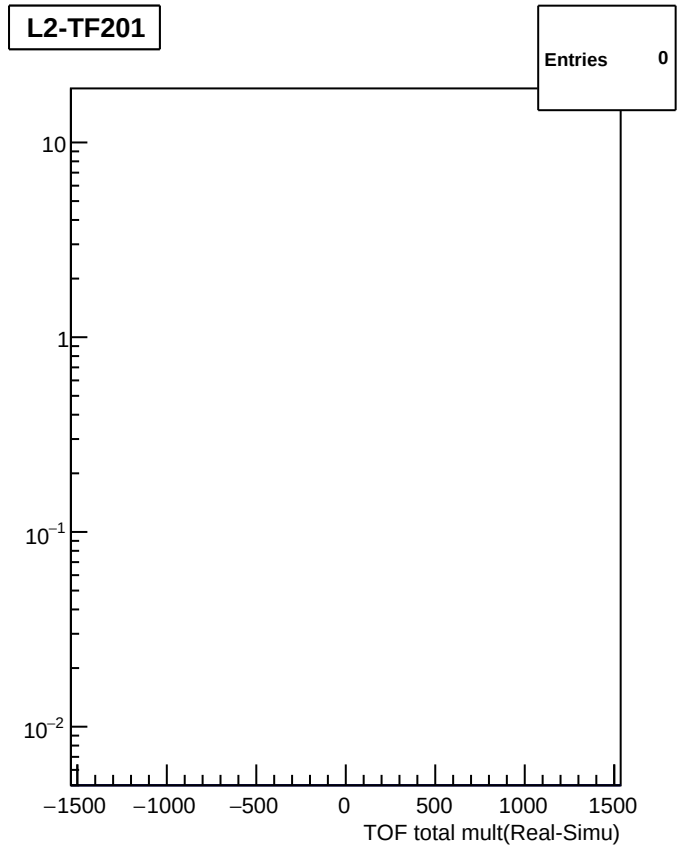

MIX-TF101
Entries 94614
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

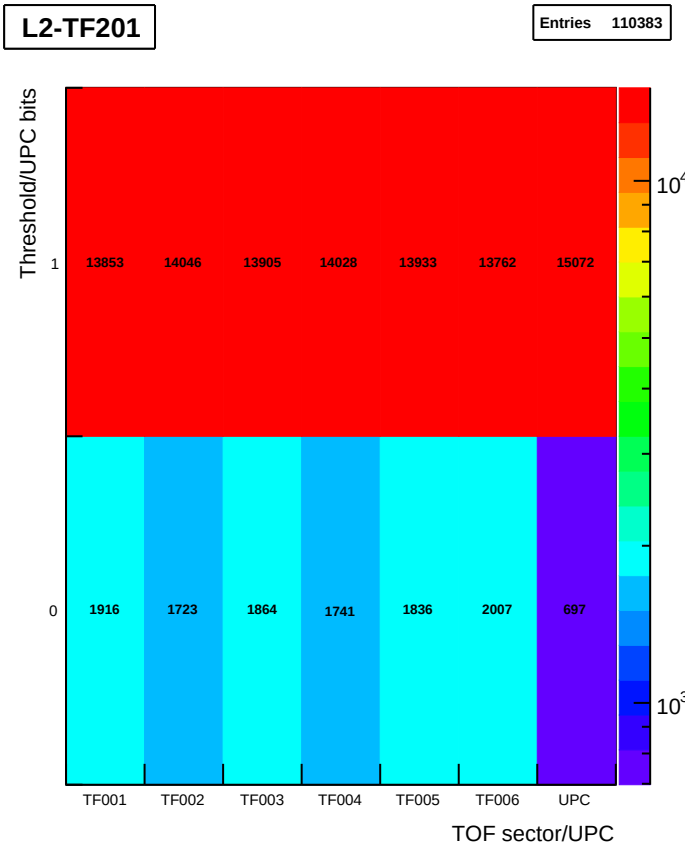

MIX-TF101
Entries 4861
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

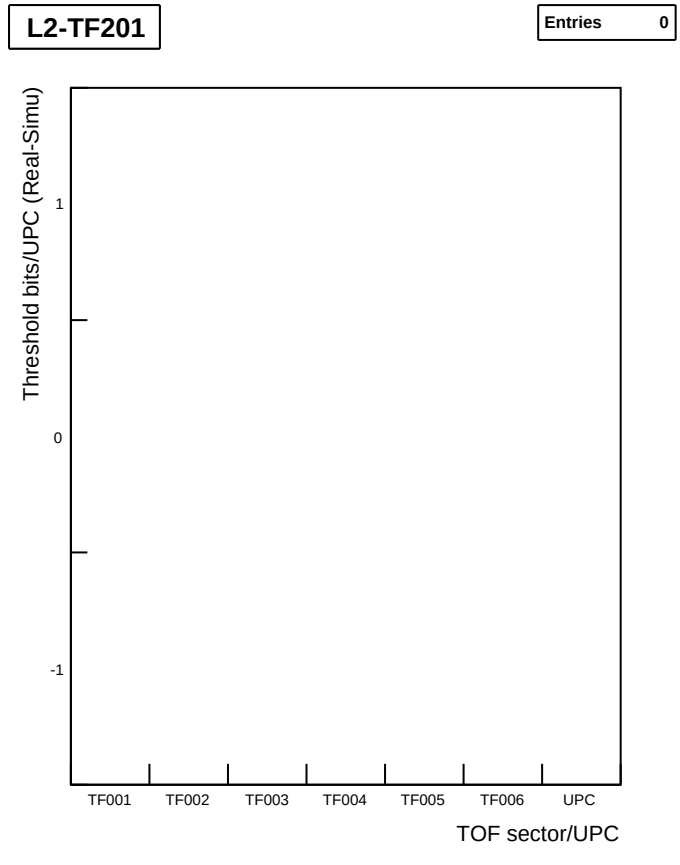

MIX-TF101
Entries 94614
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

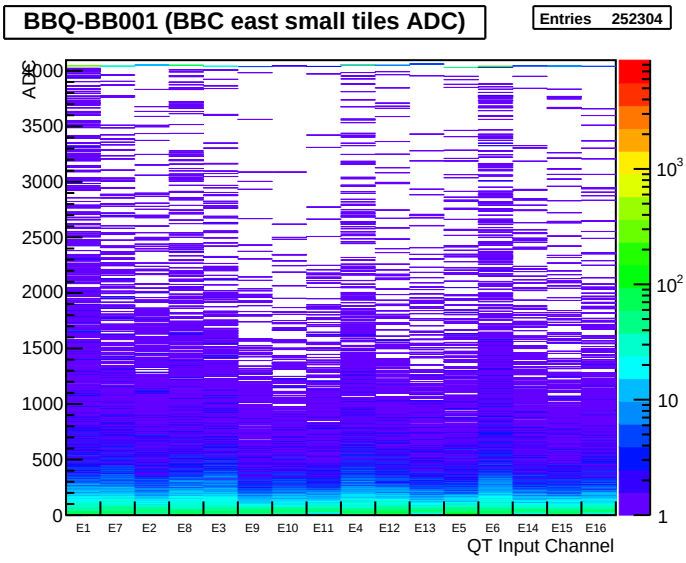

MIX-TF101
Entries 9849
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

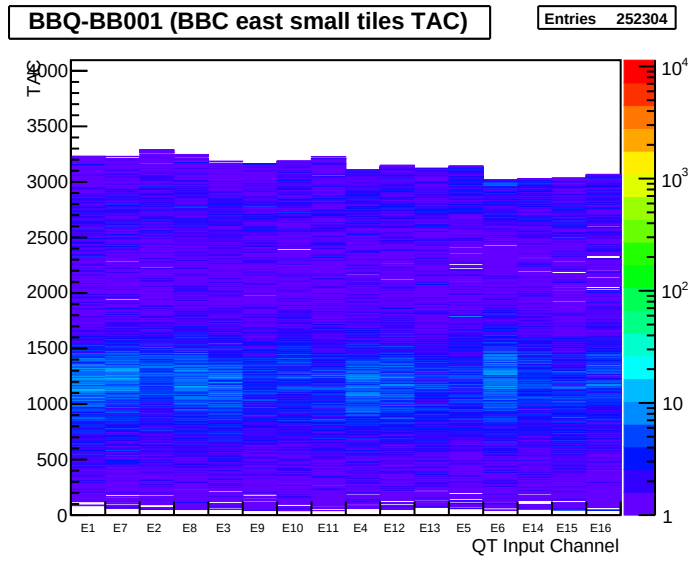

L2-TF201
Entries 15769
TOF total mult

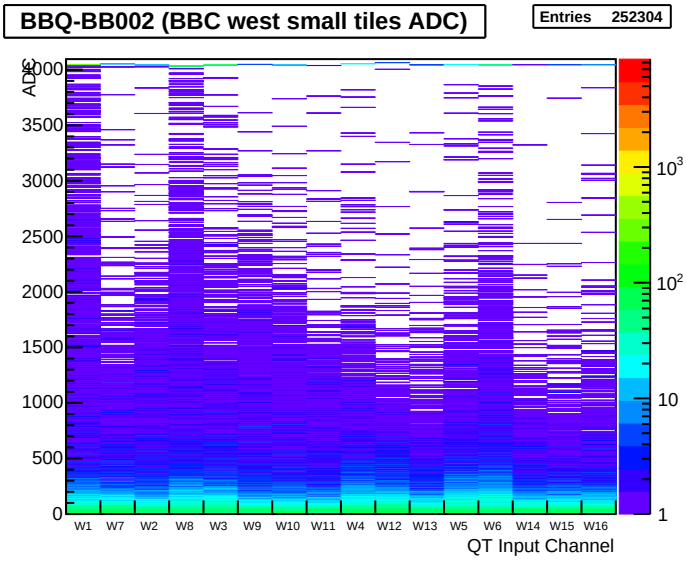

L2-TF201
Entries 0
TOF total mult(Real-Simu)

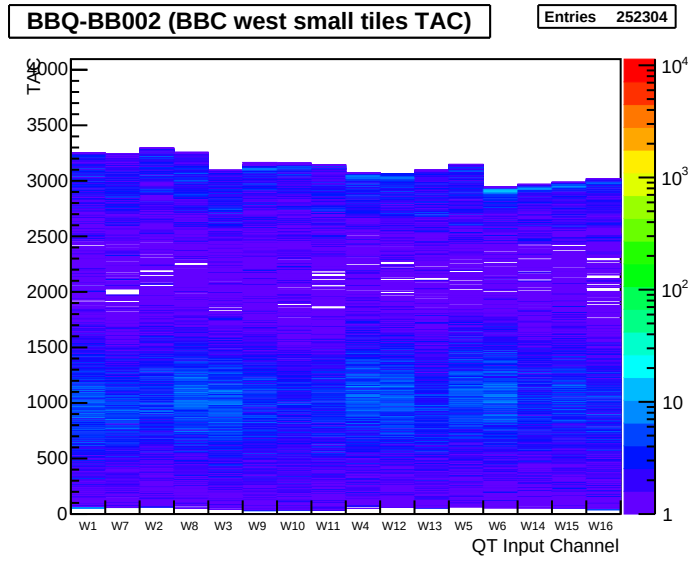

L2-TF201
Entries 110383
Threshold/UPC bits
13853
14046
13905
14028
13933
13762
15072
1916
1723
1864
1741
1836
2007
697
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

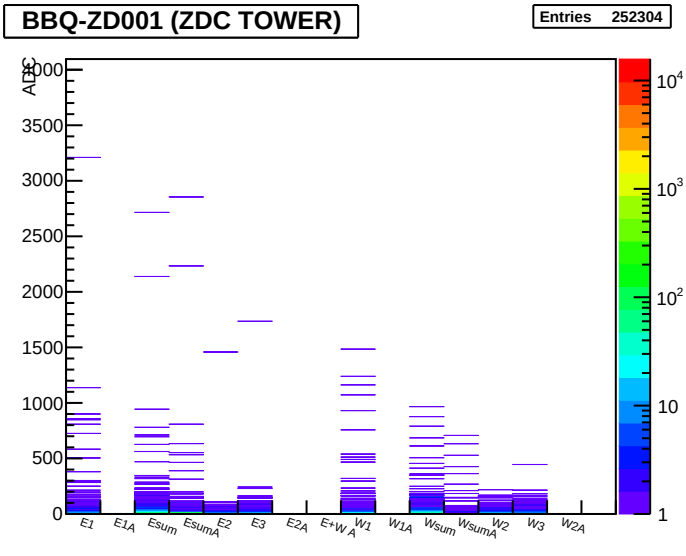

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

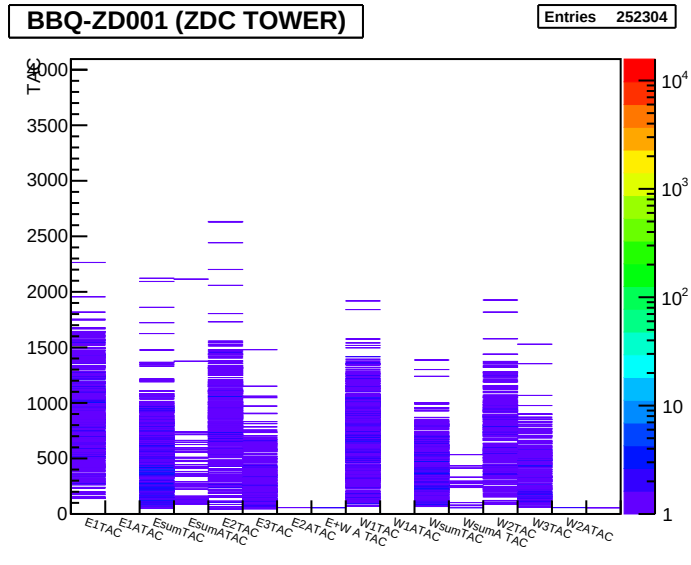

BBQ-BB001 (BBC east small tiles ADC)
Entries 252304
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

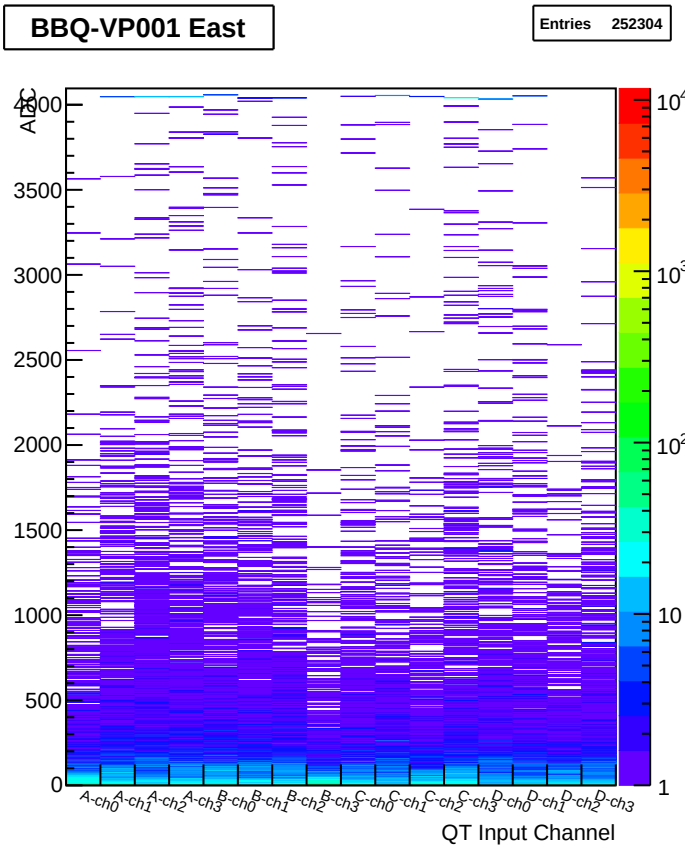

BBQ-BB001 (BBC east small tiles TAC)
Entries 252304
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

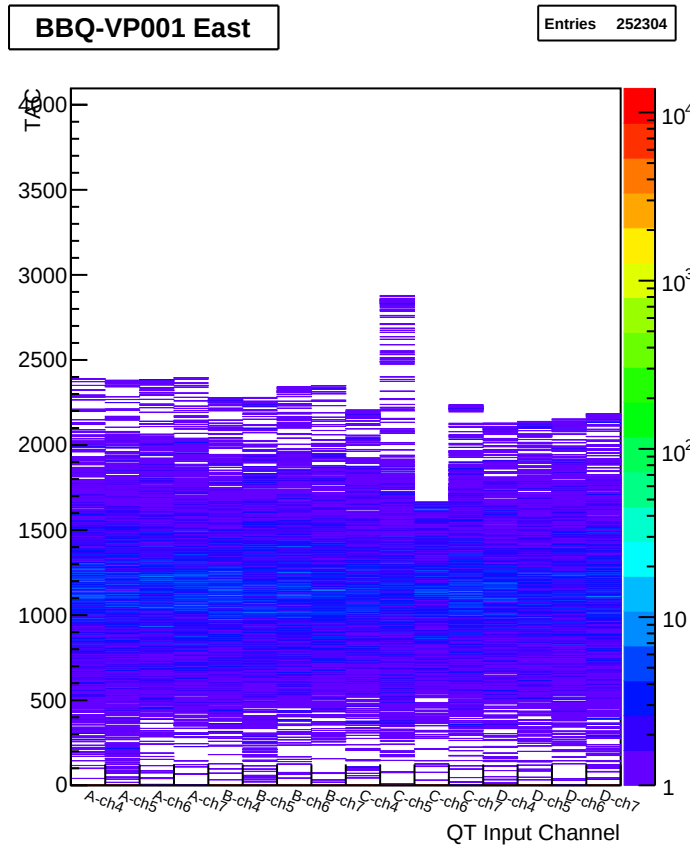

BBQ-BB002 (BBC west small tiles ADC)
Entries 252304
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

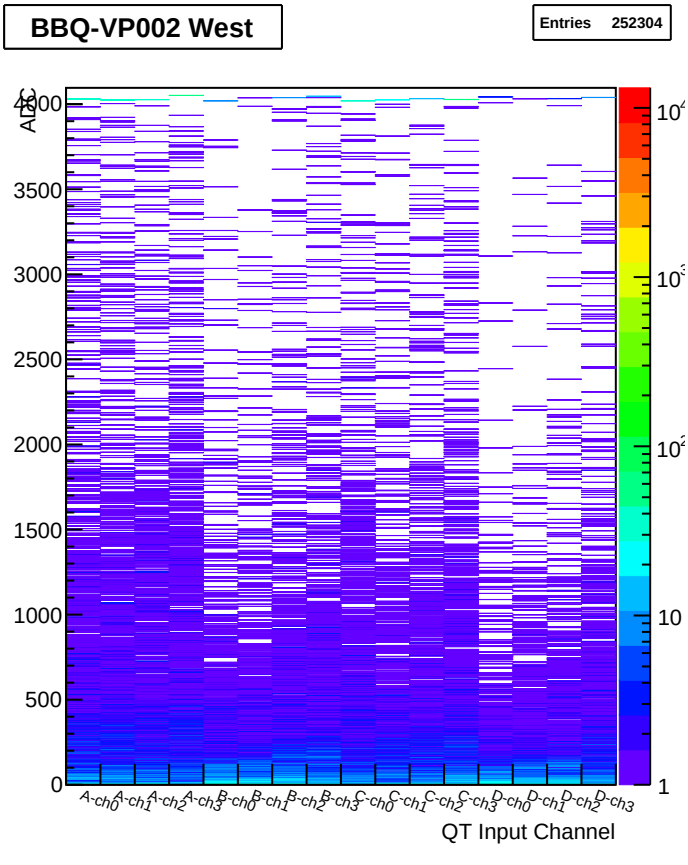

BBQ-BB002 (BBC west small tiles TAC)
Entries 252304
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

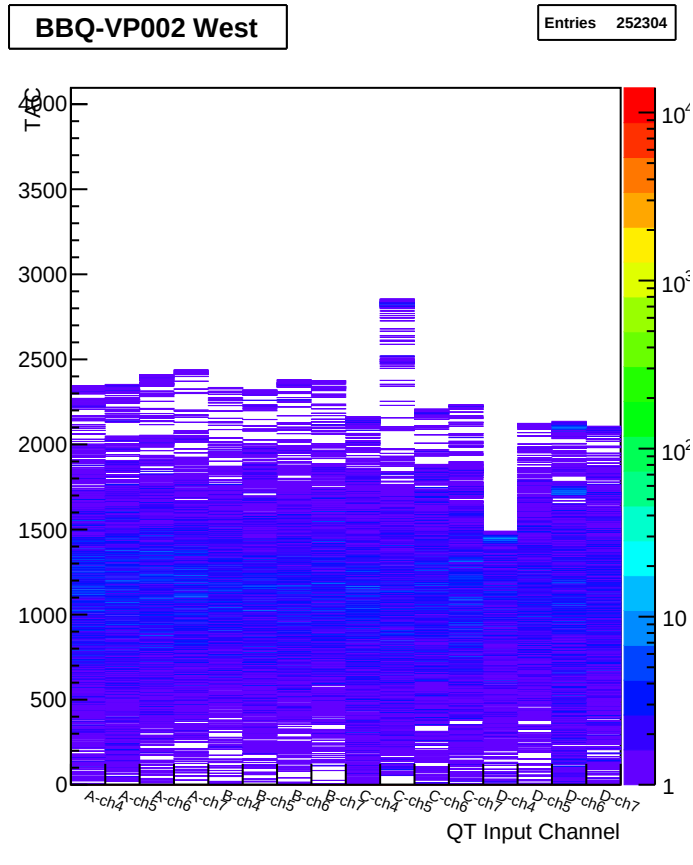

BBQ-ZD001 (ZDC TOWER)
Entries 252304
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

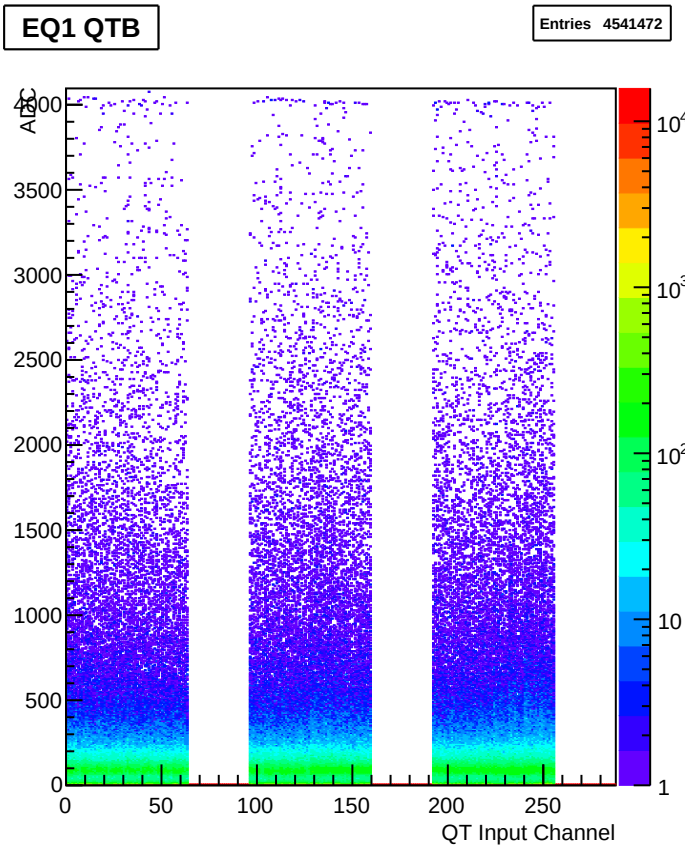

BBQ-ZD001 (ZDC TOWER)
Entries 252304
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

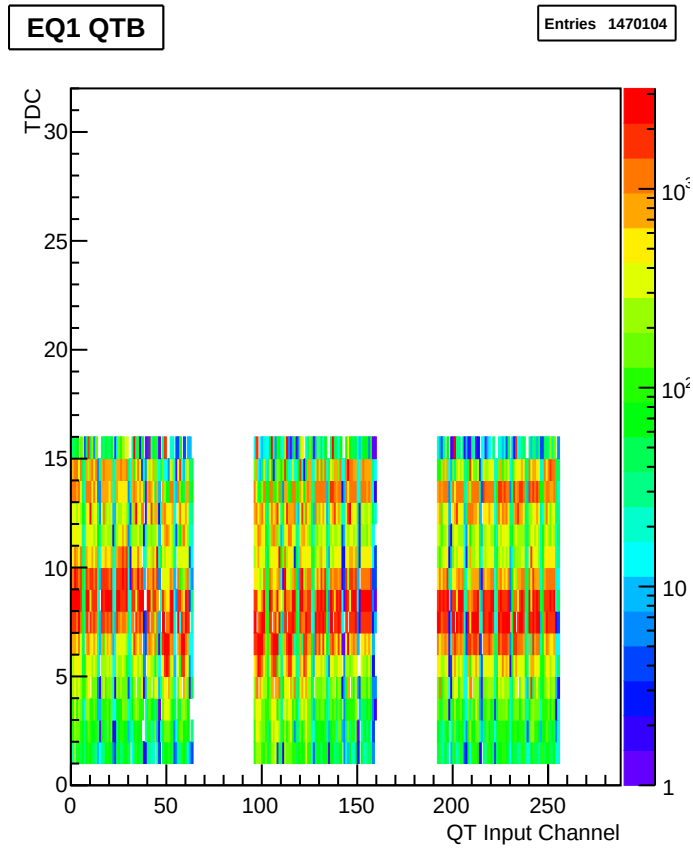

BBQ-VP001 East
Entries 252304
ADC
QT Input Channel

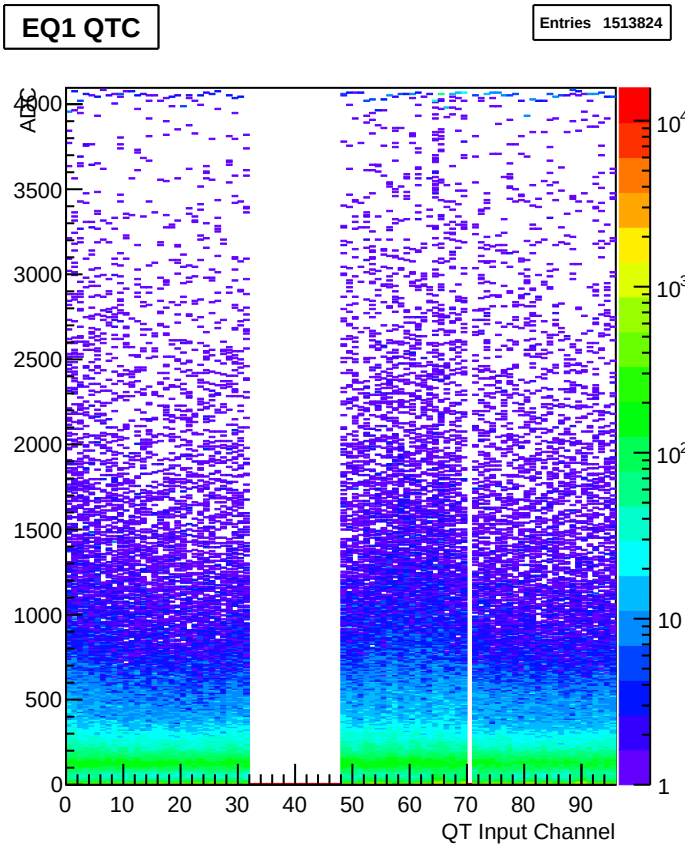

BBQ-VP001 East
Entries 252304
TAC
QT Input Channel

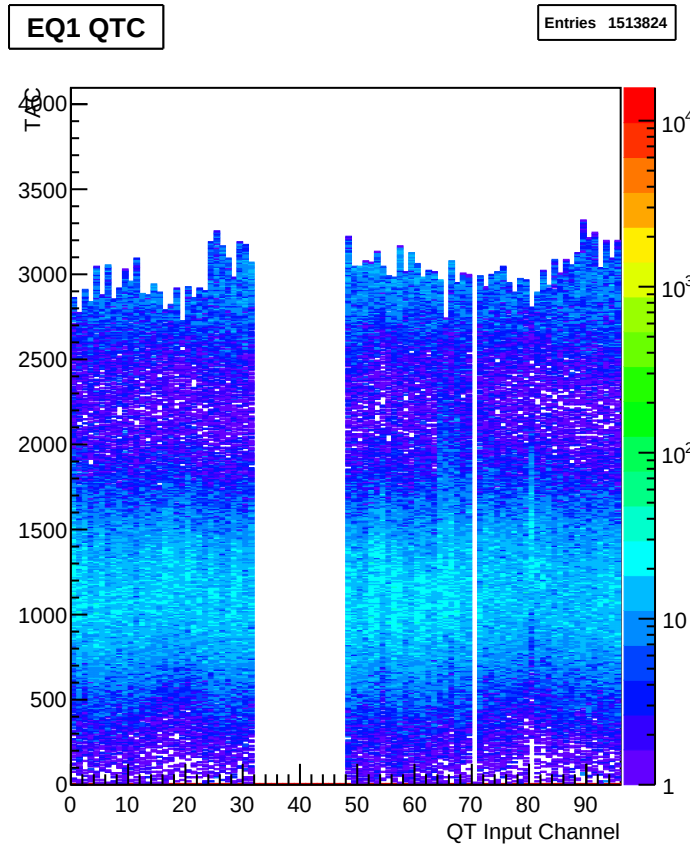

BBQ-VP002 West
Entries 252304
ADC
QT Input Channel

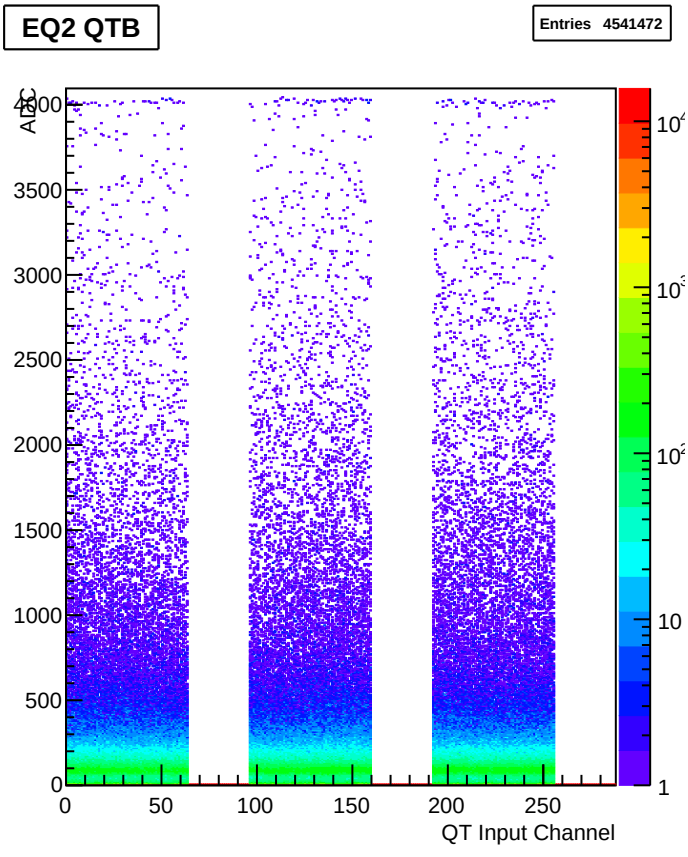

BBQ-VP002 West
Entries 252304
TAC
QT Input Channel

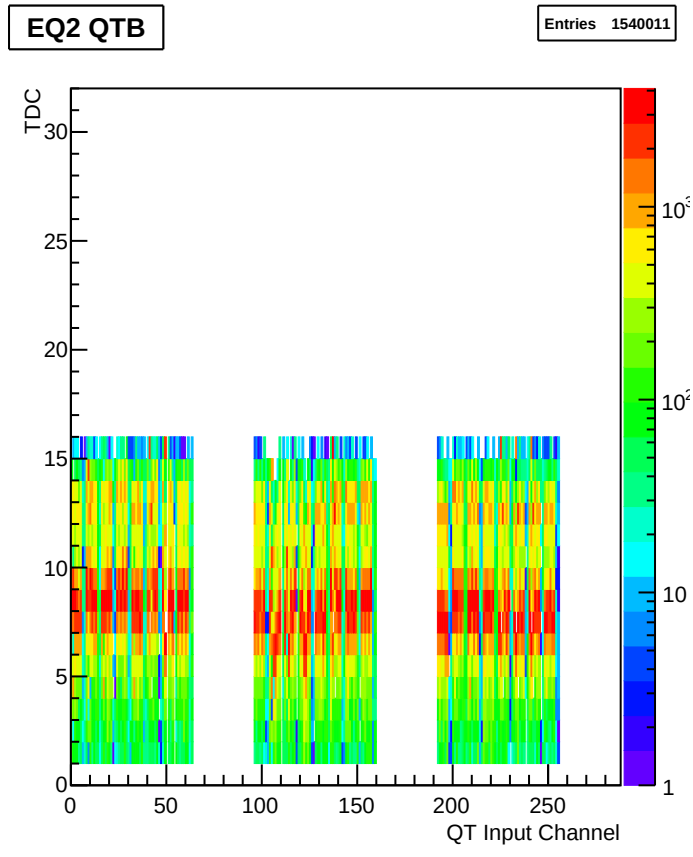

EQ1 QTB
Entries 4541472
ADC
QT Input Channel

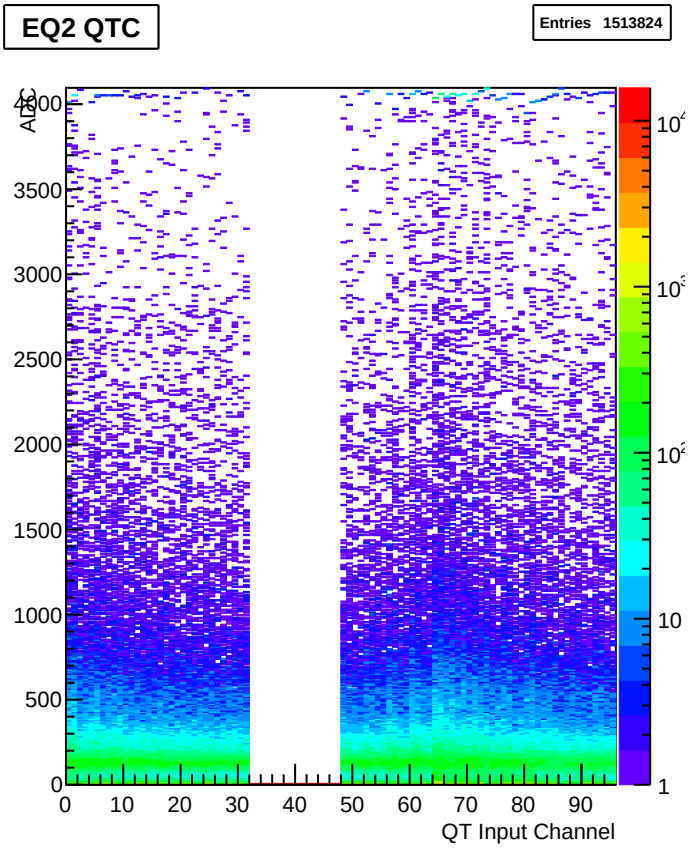

EQ1 QTB
Entries 1470104
TDC
QT Input Channel

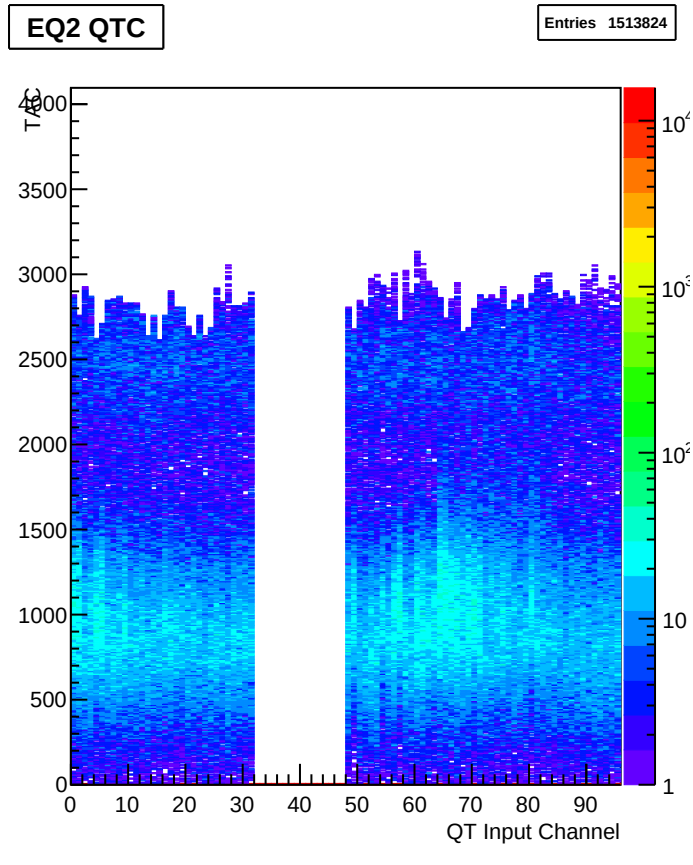

EQ1 QTC
Entries 1513824
ADC
QT Input Channel

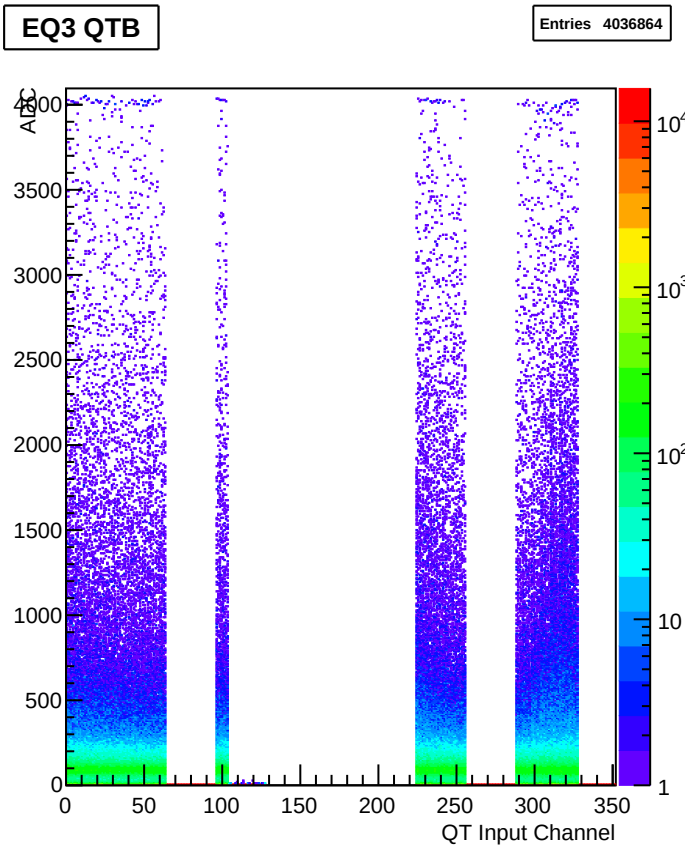

EQ1 QTC
Entries 1513824
TADC
QT Input Channel

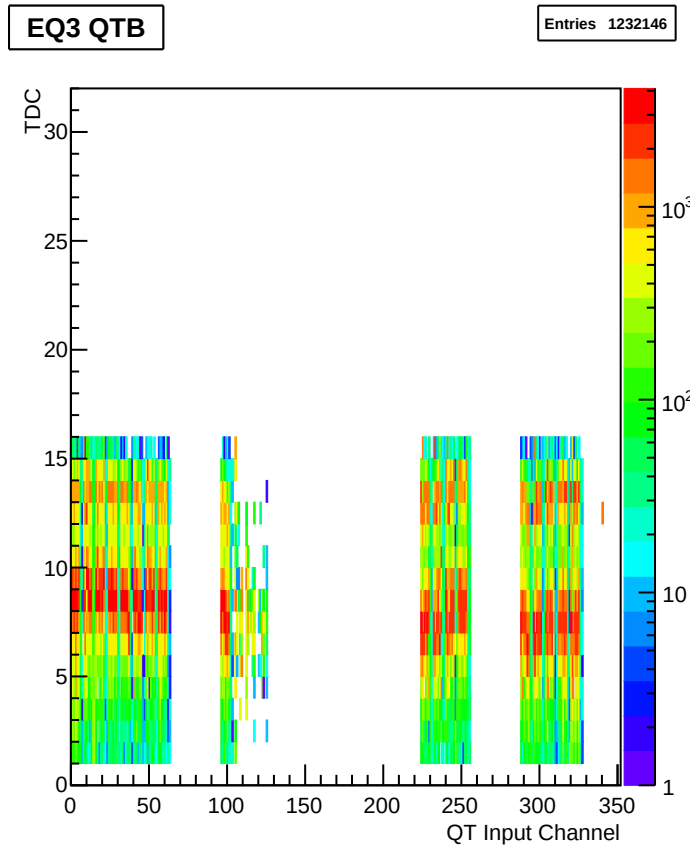

EQ2 QTB
Entries 4541472
ADC
QT Input Channel

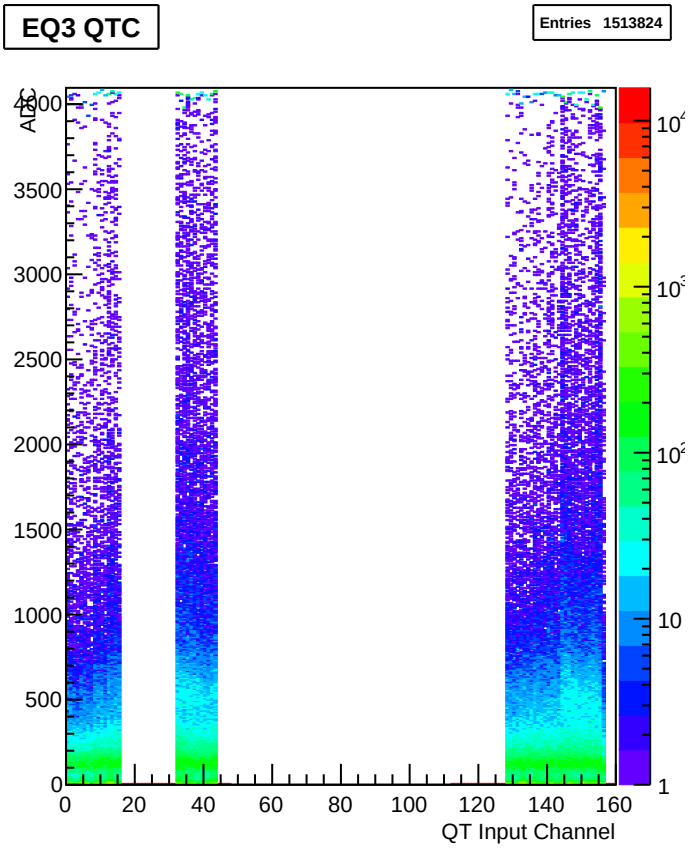

EQ2 QTB
Entries 1540011
TDC
QT Input Channel

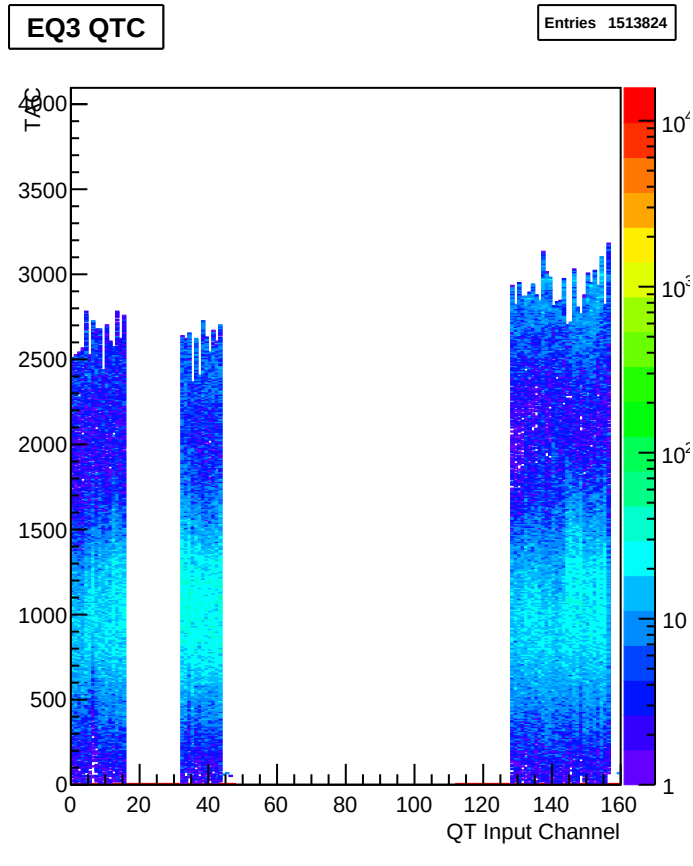

EQ2 QTC
Entries 1513824
ADC
QT Input Channel

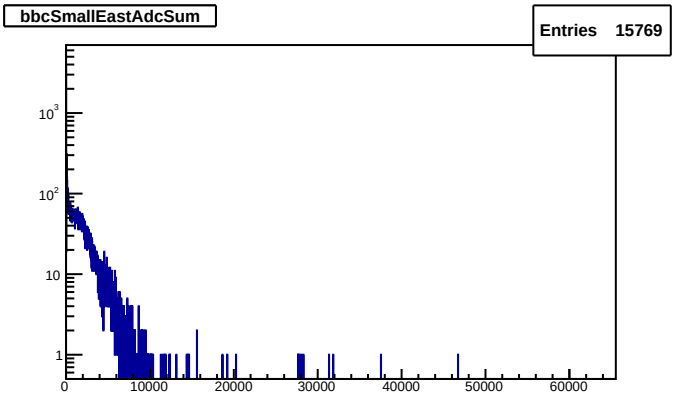

EQ2 QTC
Entries 1513824
TADC
QT Input Channel

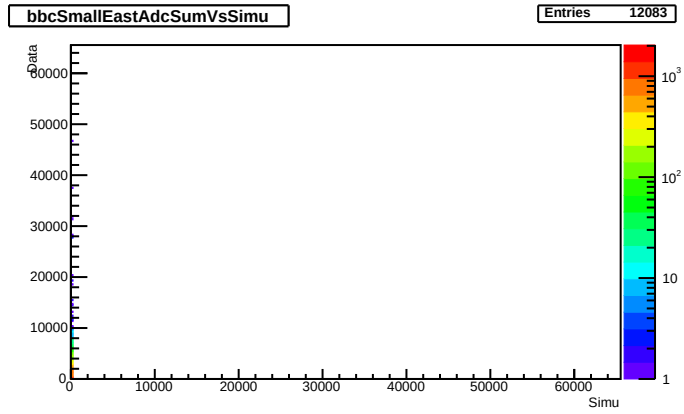

EQ3 QTB
Entries 4036864
ADC
QT Input Channel

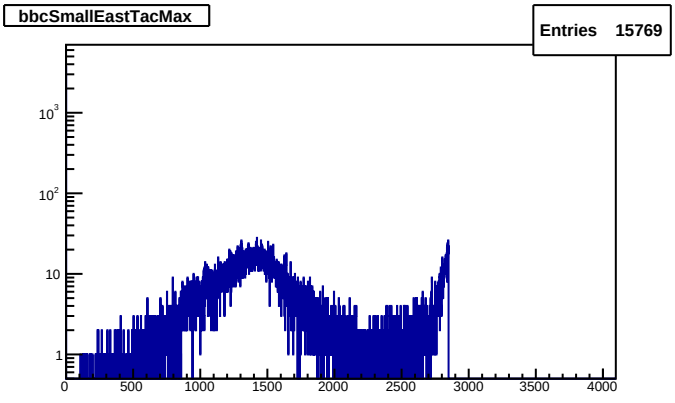

EQ3 QTB
Entries 1232146
TDC
QT Input Channel

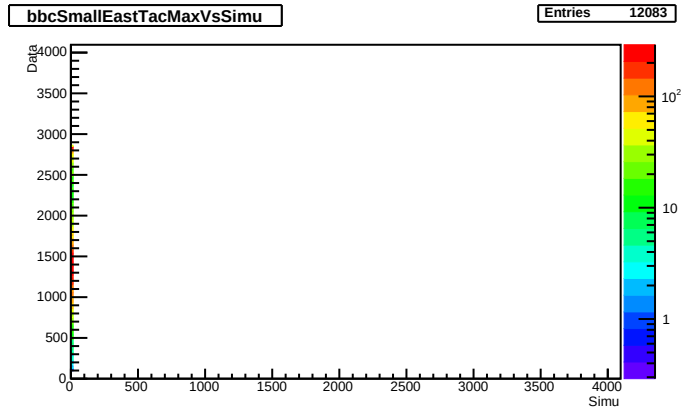

EQ3 QTC
Entries 1513824
ADC
QT Input Channel

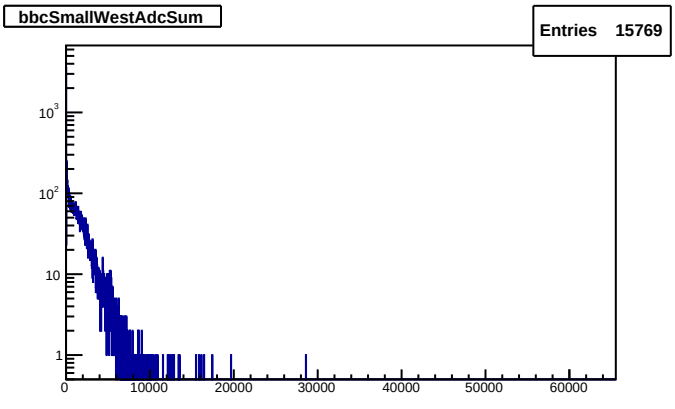

EQ3 QTC
Entries 1513824
TADC
QT Input Channel

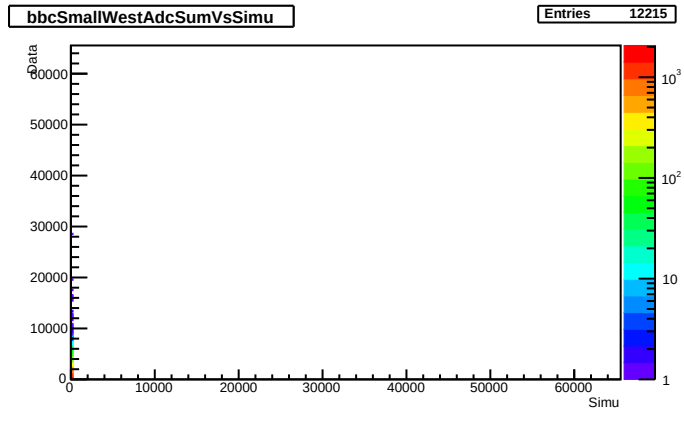

bbcSmallEastAdcSum
Entries 15769

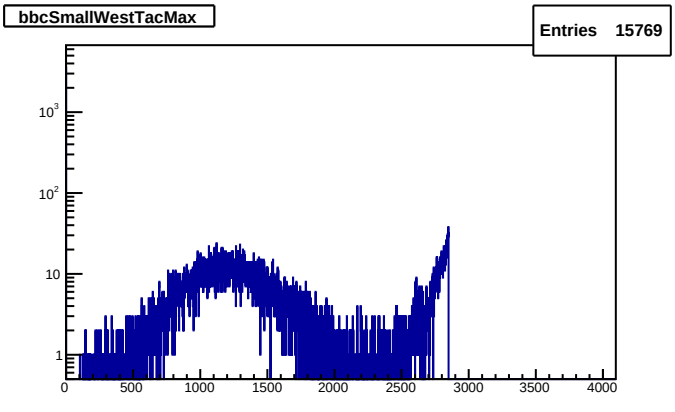

bbcSmallEastAdcSumVsSimu
Entries 12083
Data
Simu

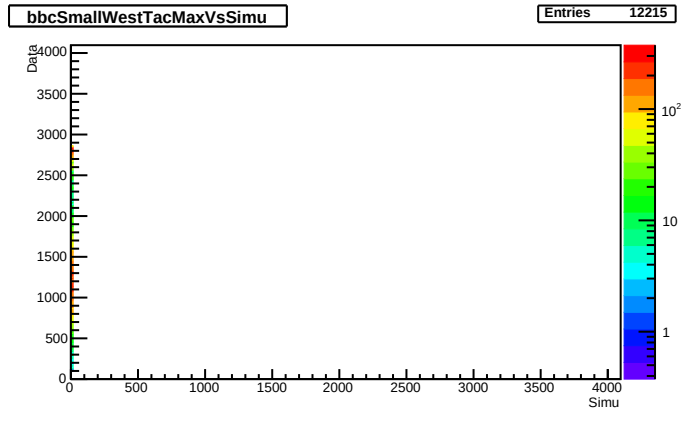

bbcSmallEastTacMax
Entries 15769

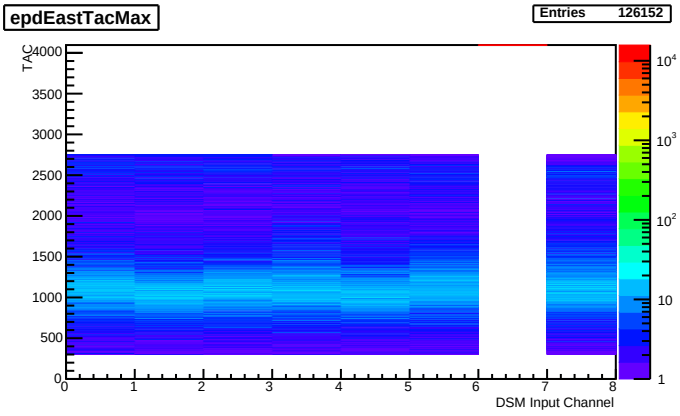

bbcSmallEastTacMaxVsSimu
Entries 12083
Data
Simu

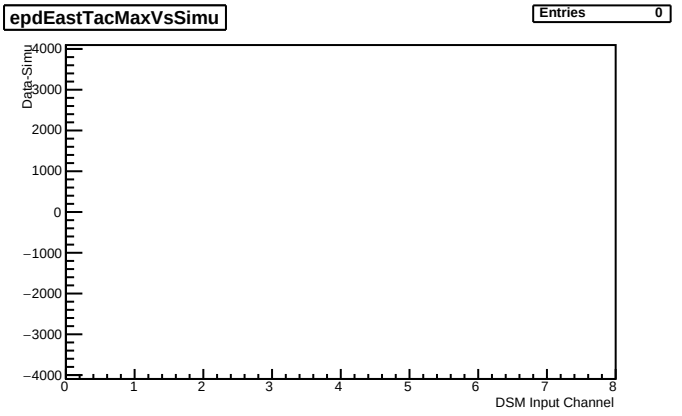

bbcSmallWestAdcSum
Entries 15769

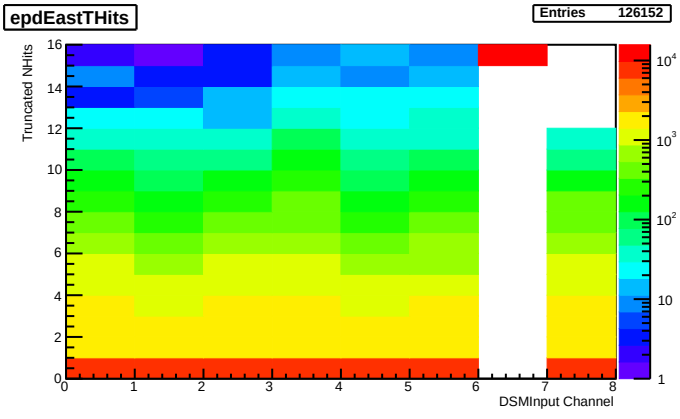

bbcSmallWestAdcSumVsSimu
Entries 12215
Data
Simu

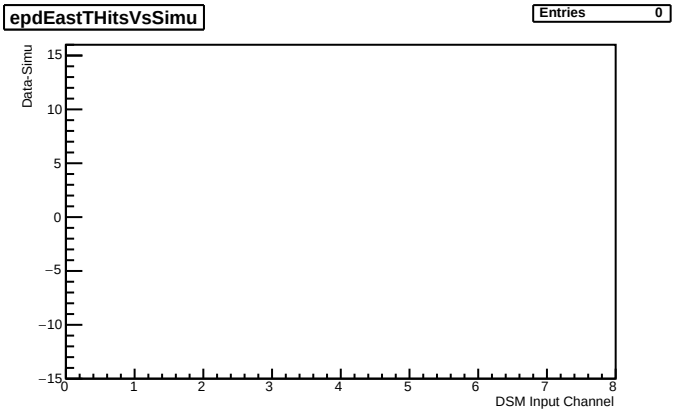

bbcSmallWestTacMax
Entries 15769

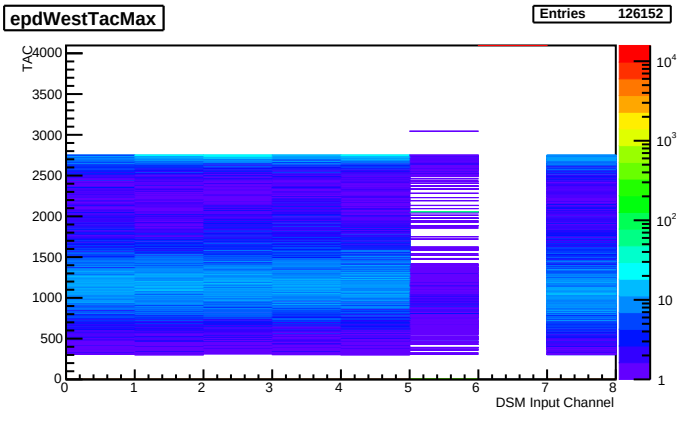

bbcSmallWestTacMaxVsSimu
Entries 12215
Data
Simu

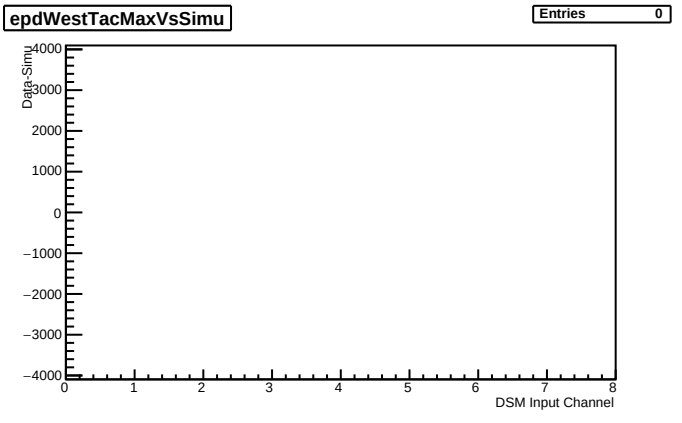

epdEastTacMax
Entries 126152
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 126152
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 126152
TAC
DSM Input Channel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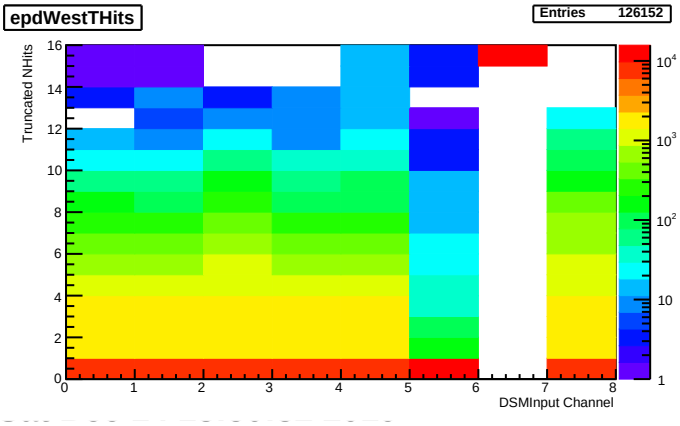
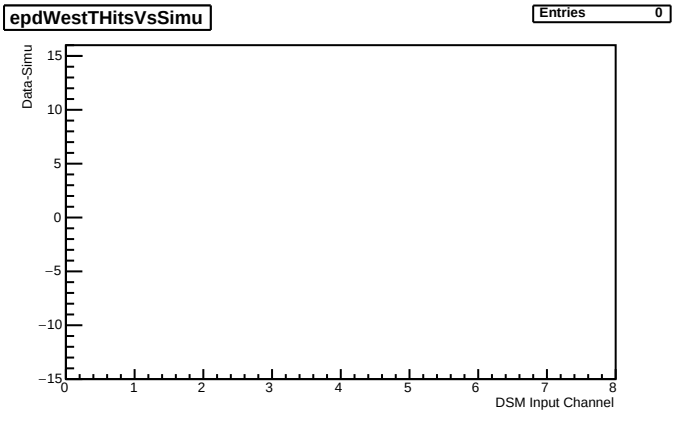
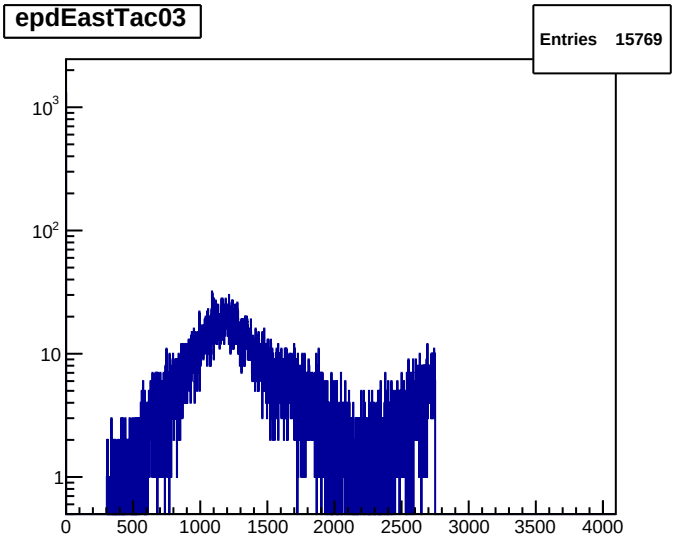
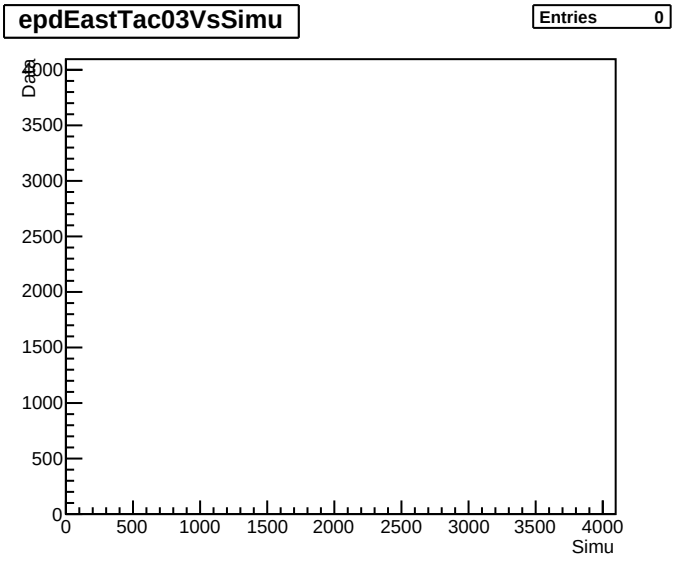
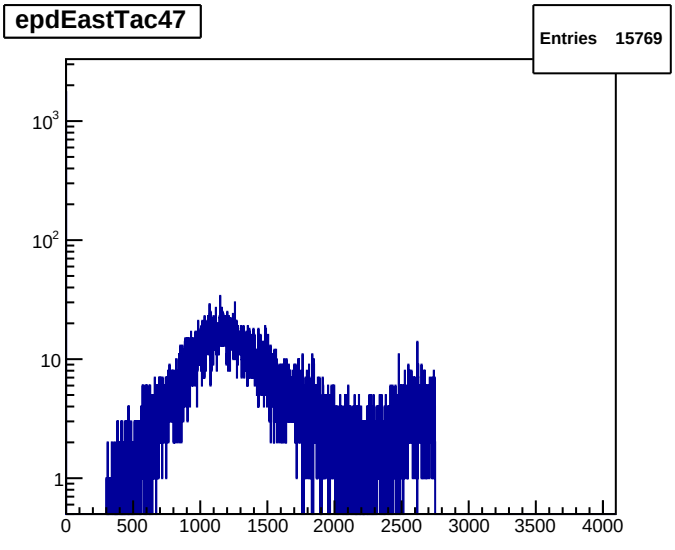
Entries 0
Data-Simu
DSM Input Channel

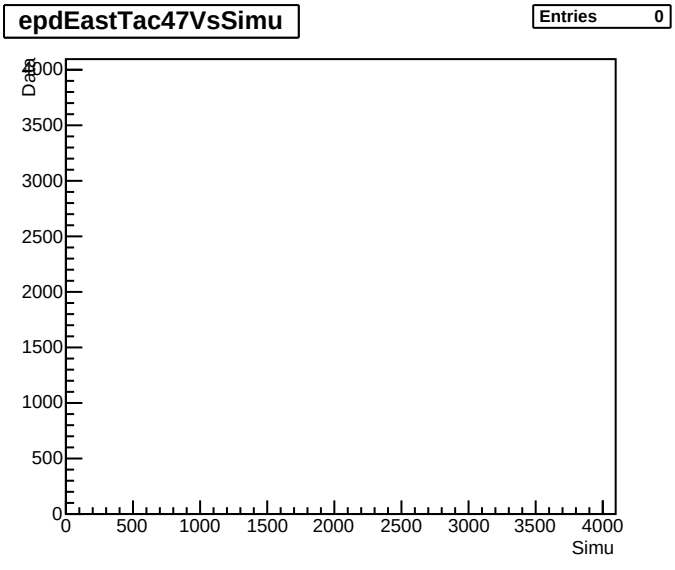

epdWestTHits
Entries 126152
Truncated NHits
DSMInput Channel

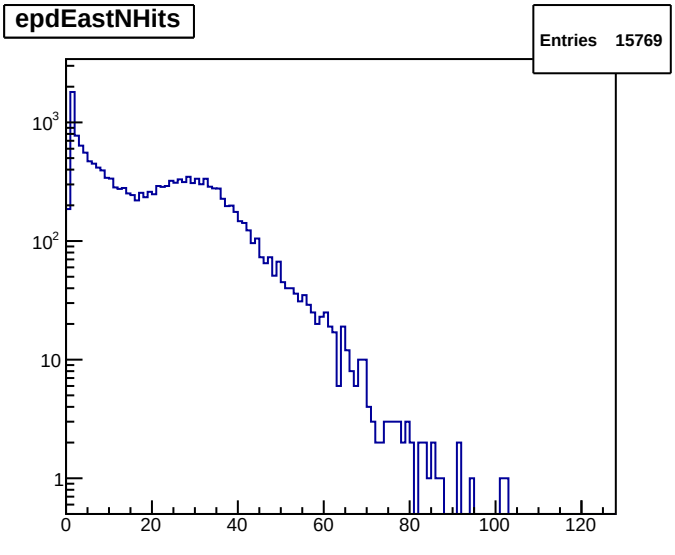

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

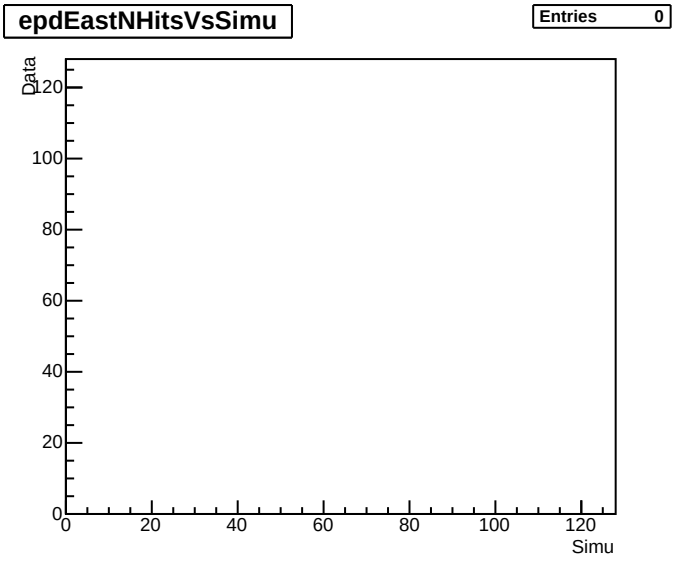

epdEastTac03
Entries 15769

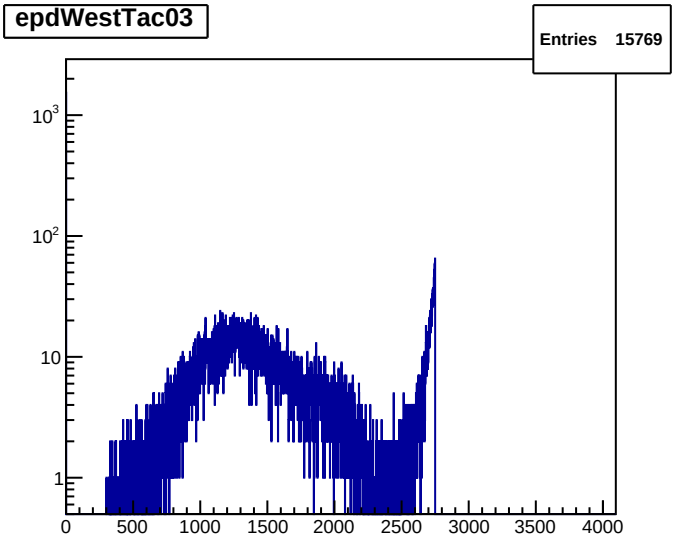

epdEastTac03VsSimu
Entries 0
Data
Simu

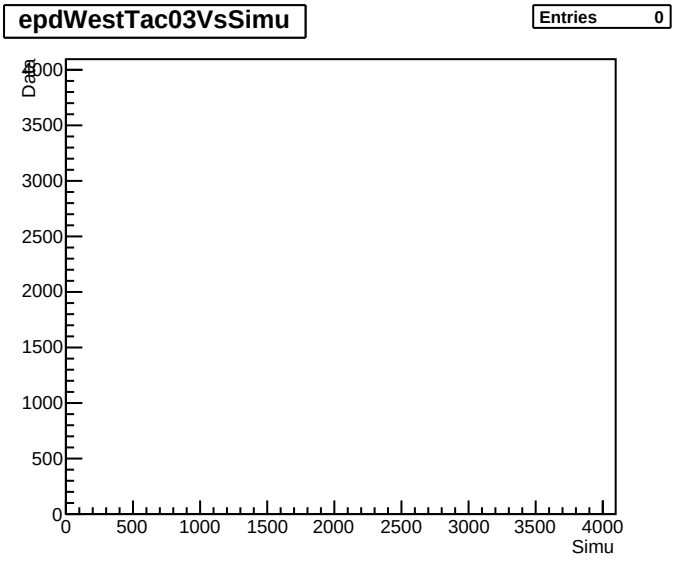

epdEastTac47
Entries 15769

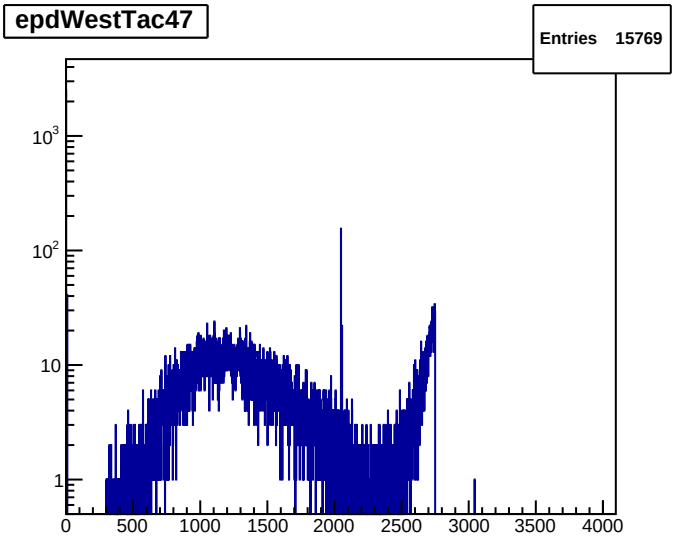

epdEastTac47VsSimu
Entries 0
Data
Simu

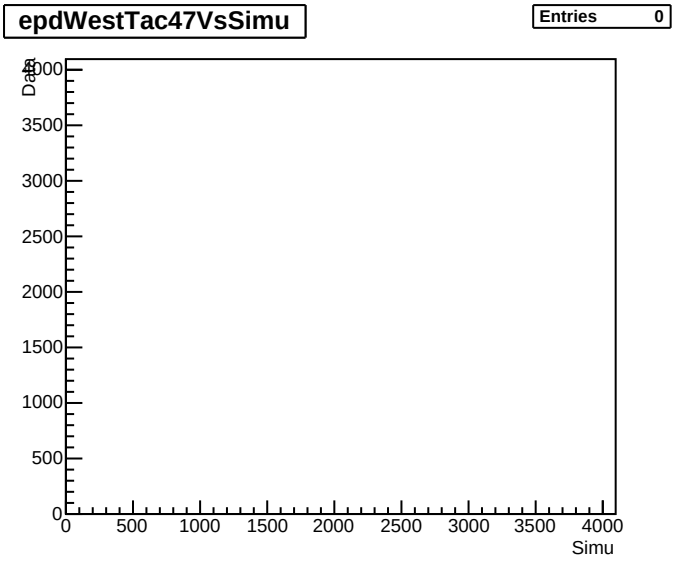

epdEastNHits
Entries 15769

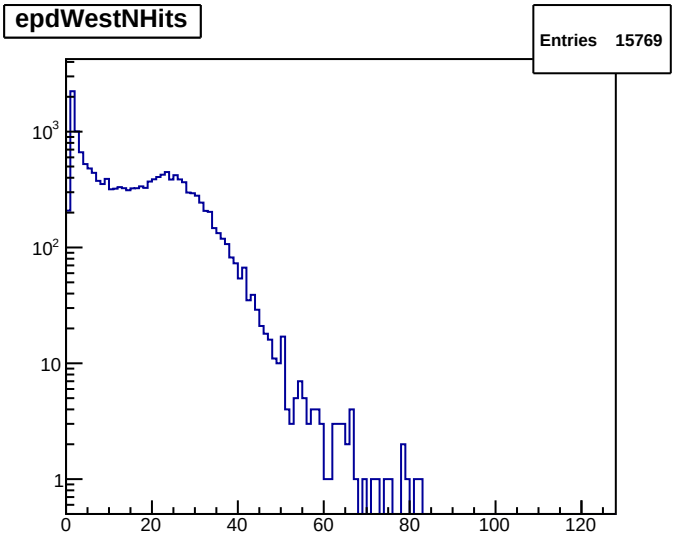

epdEastNHitsVsSimu
Entries 0
Data
Simu

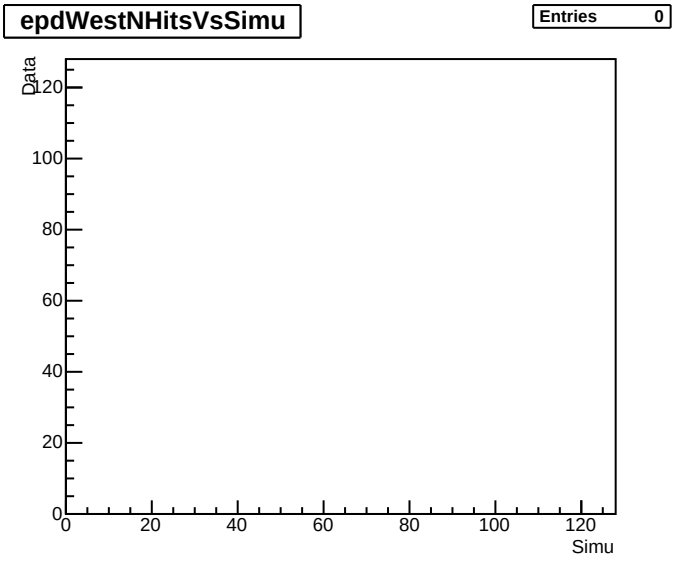

epdWestTac03
Entries 15769

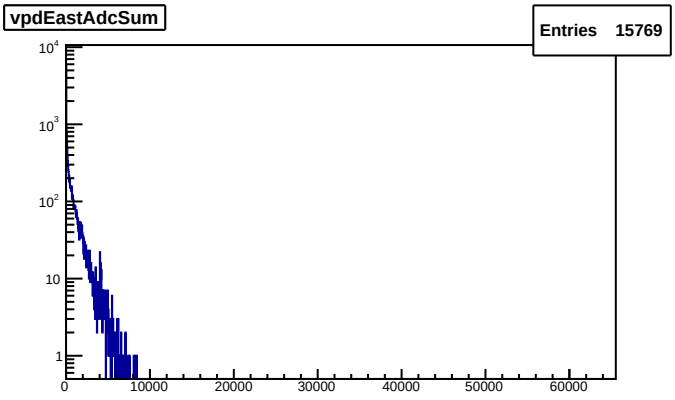

epdWestTac03VsSimu
Entries 0
Data
Simu

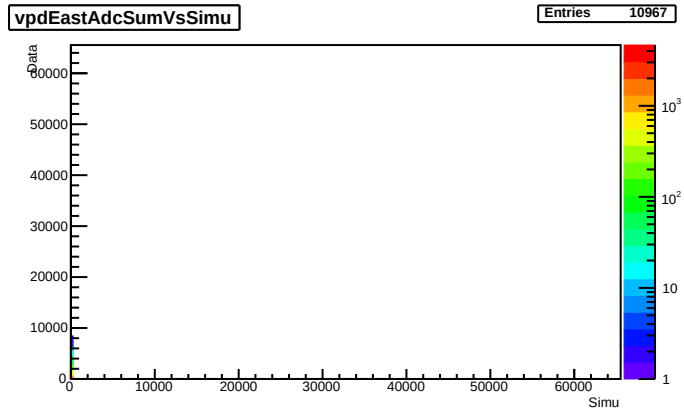

epdWestTac47
Entries 15769

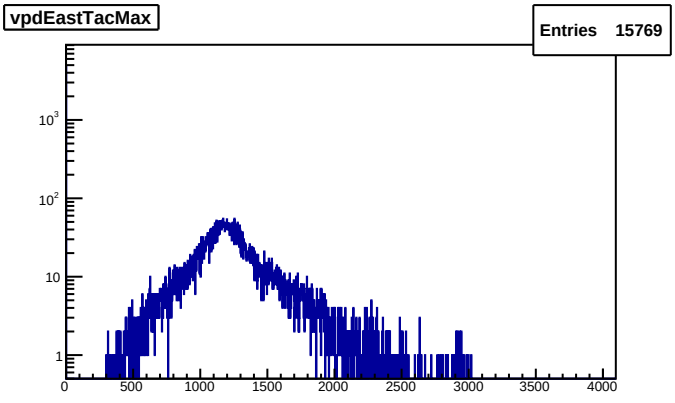

epdWestTac47VsSimu
Entries 0
Data
Simu

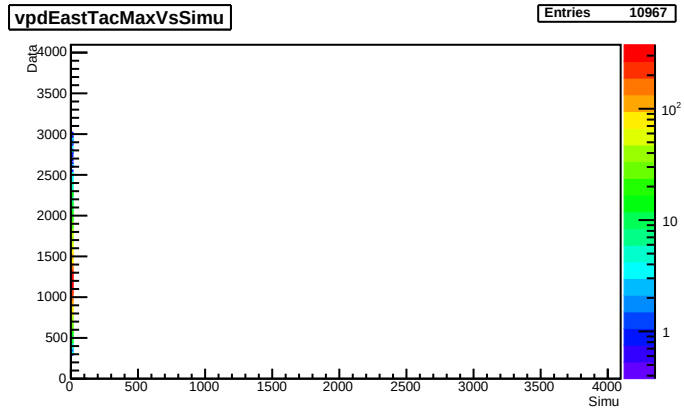

epdWestNHits
Entries 15769

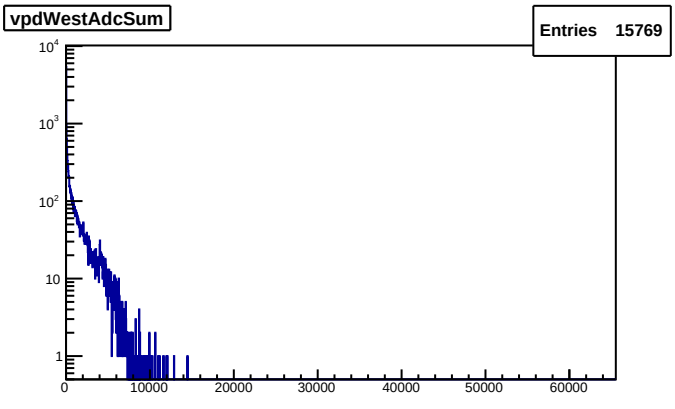

epdWestNHitsVsSimu
Entries 0
Data
Simu

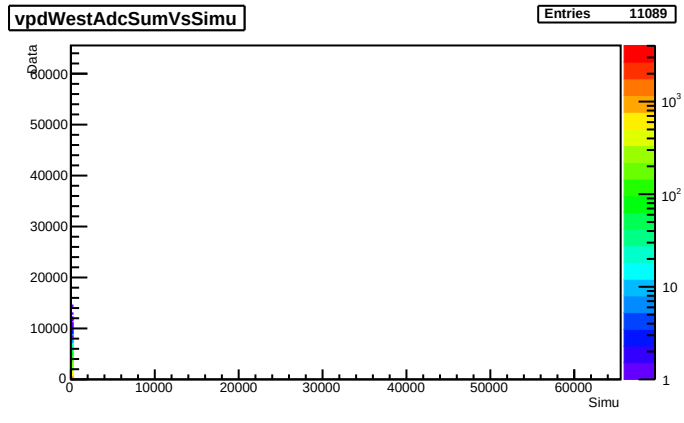

vpdEastAdcSum
Entries 15769

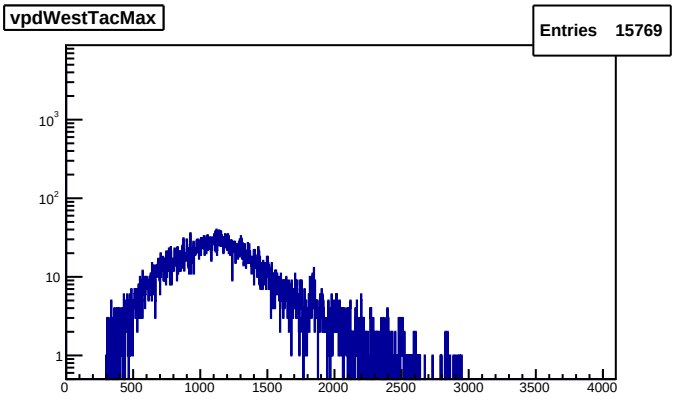

vpdEastAdcSumVsSimu
Entries 10967
Data
Simu

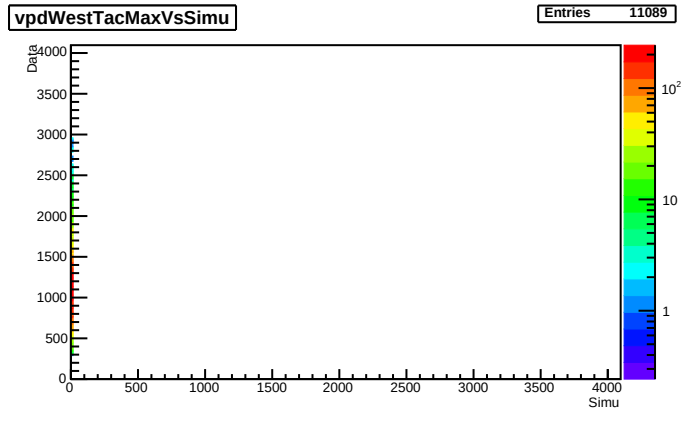

vpdEastTacMax
Entries 15769

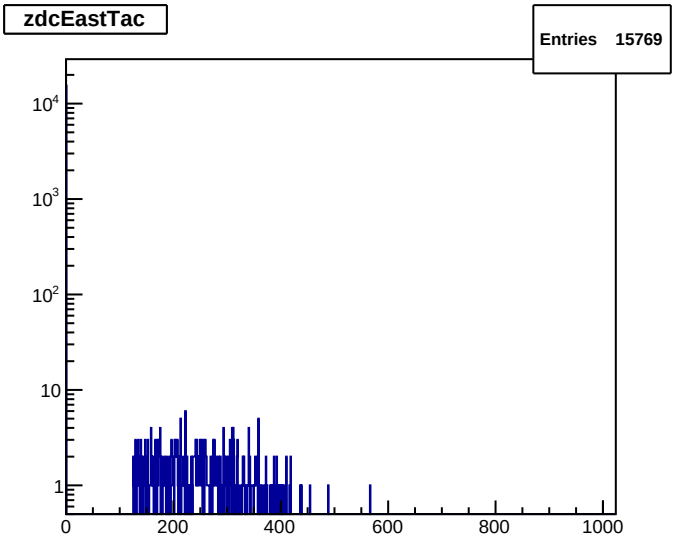

vpdEastTacMaxVsSimu
Entries 10967
Data
Simu

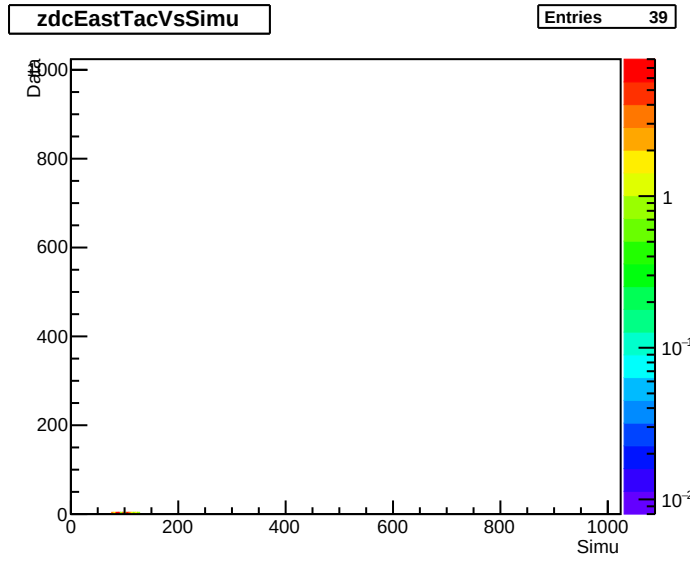

vpdWestAdcSum
Entries 15769

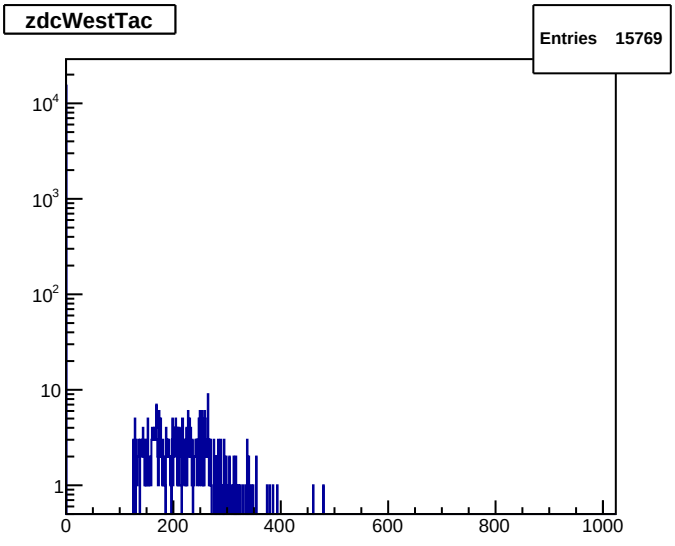

vpdWestAdcSumVsSimu
Entries 11089
Data
Simu

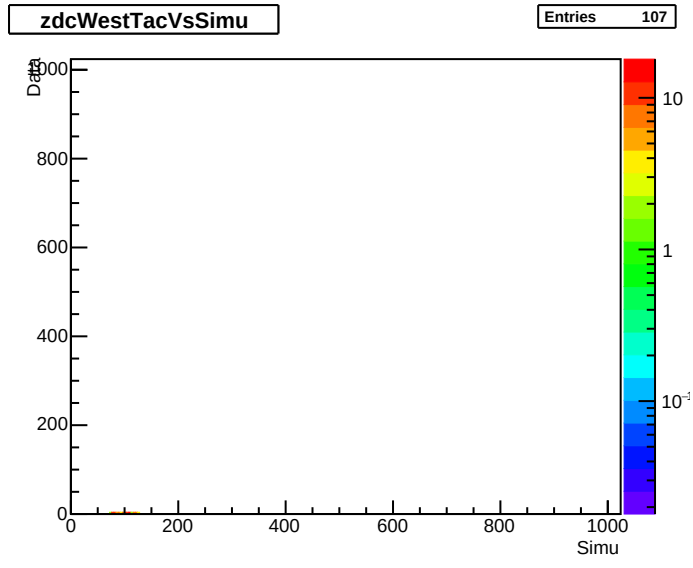

vpdWestTacMax
Entries 15769

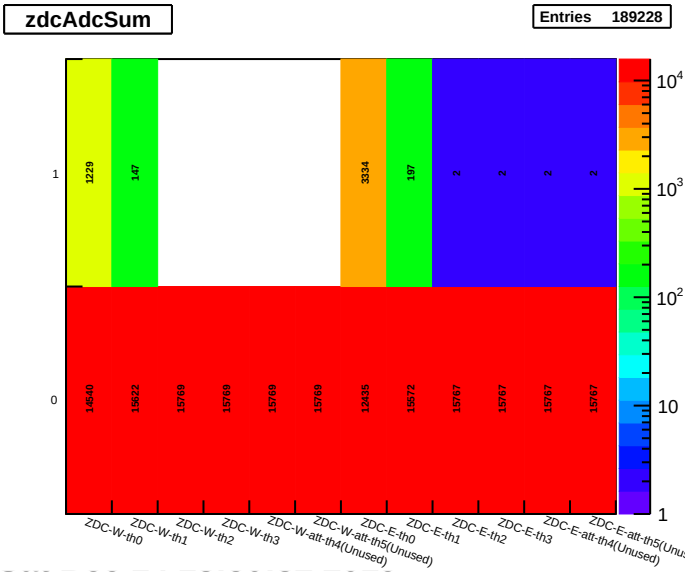

vpdWestTacMaxVsSimu
Entries 11089
Data
Simu

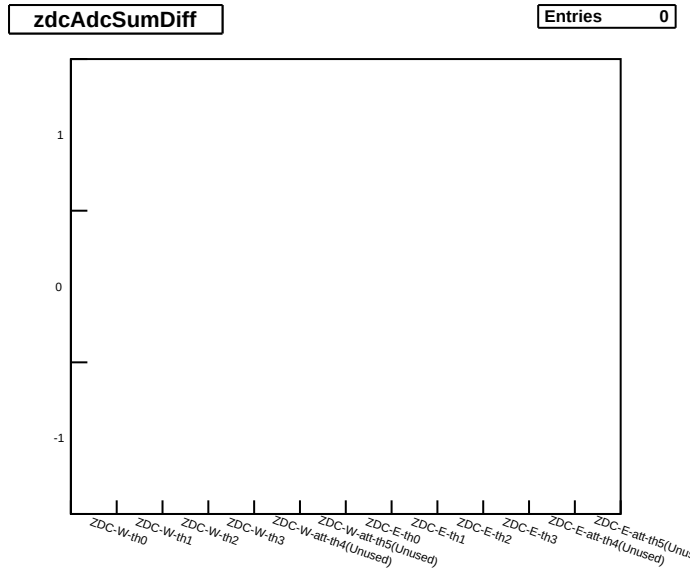

zdcEastTac
Entries 15769

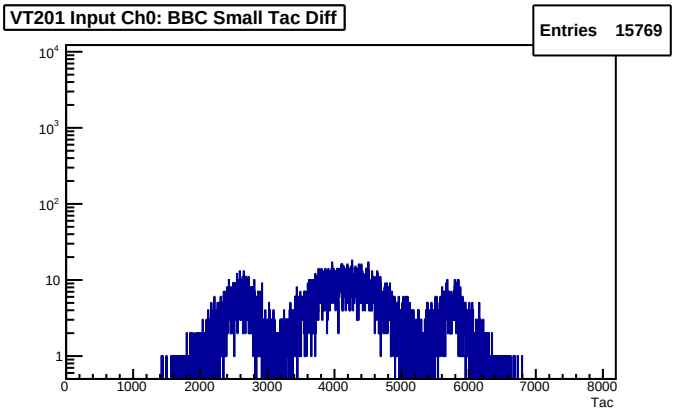

zdcEastTacVsSimu
Entries 39
Data
Simu

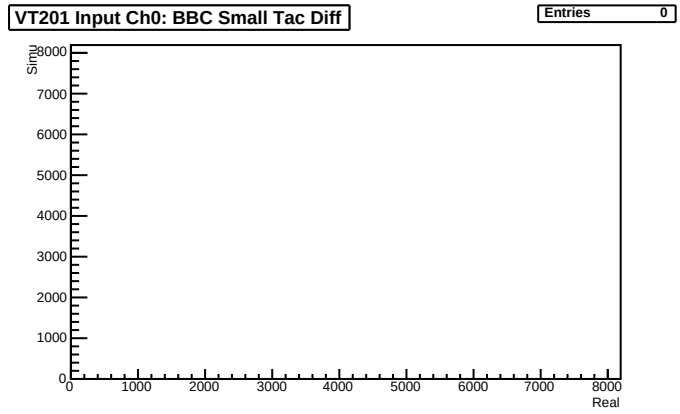

zdcWestTac
Entries 15769

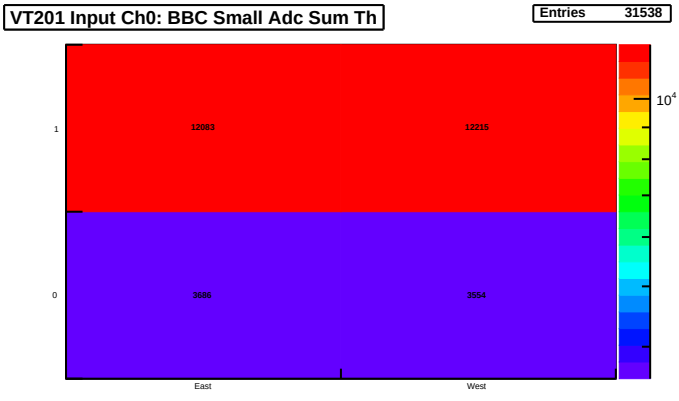

zdcWestTacVsSimu
Entries 107
Data
Simu

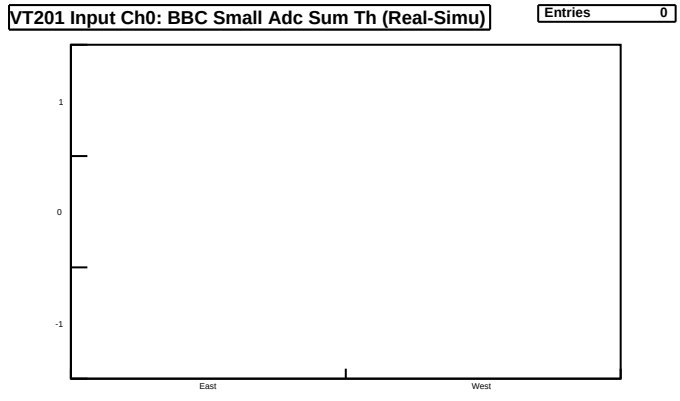

zdcAdcSum
Entries 189228
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

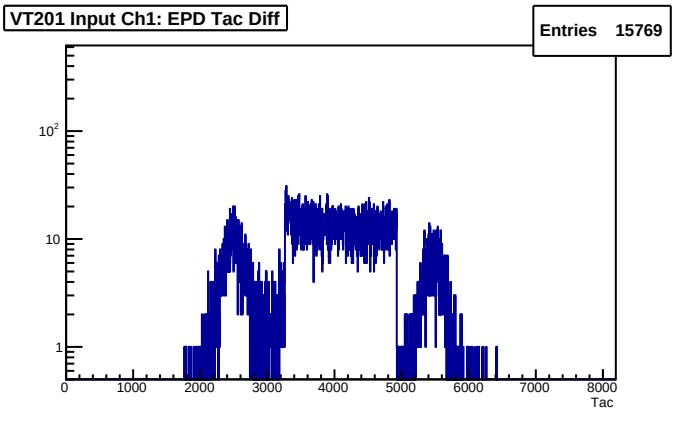

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

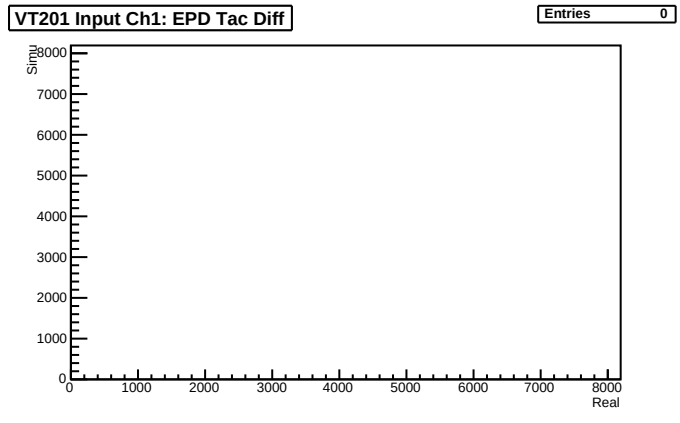

VT201 Input Ch0: BBC Small Tac Diff
Entries 15769
Tac

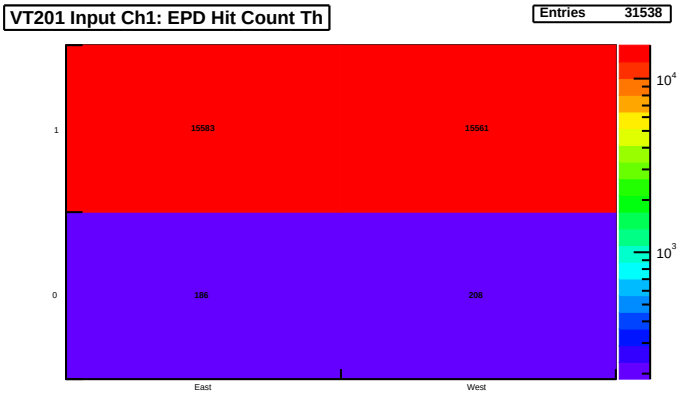

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

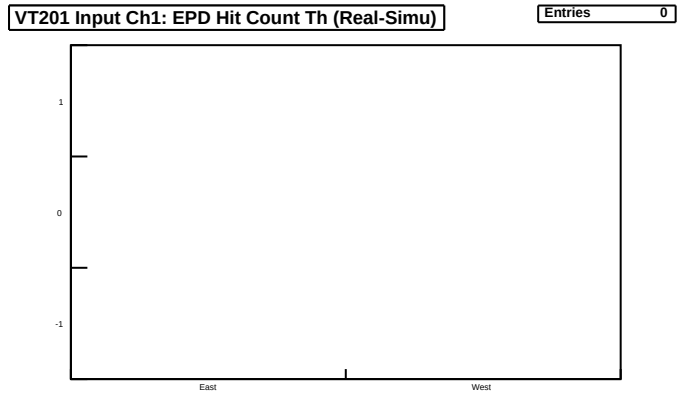

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 31538
12083
12215
3686
3554
East
West

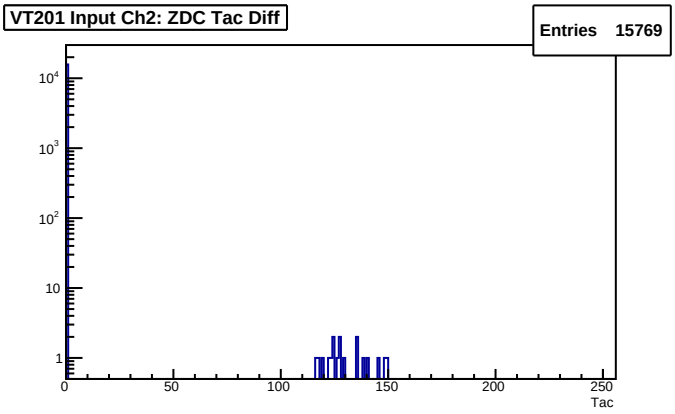

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

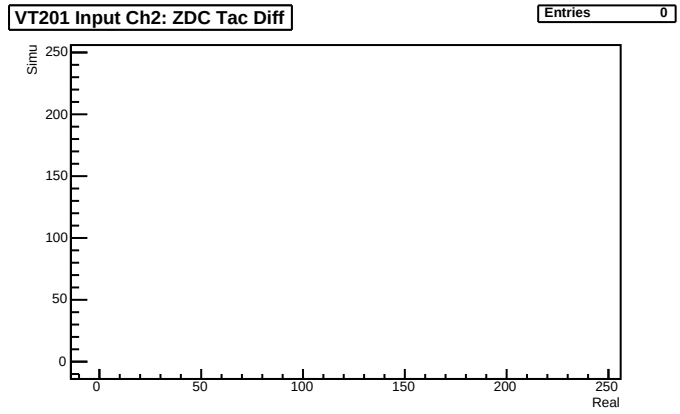

VT201 Input Ch1: EPD Tac Diff
Entries 15769
Tac

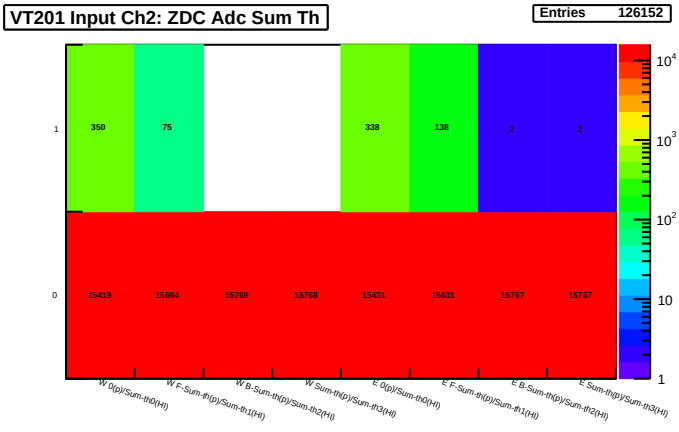

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

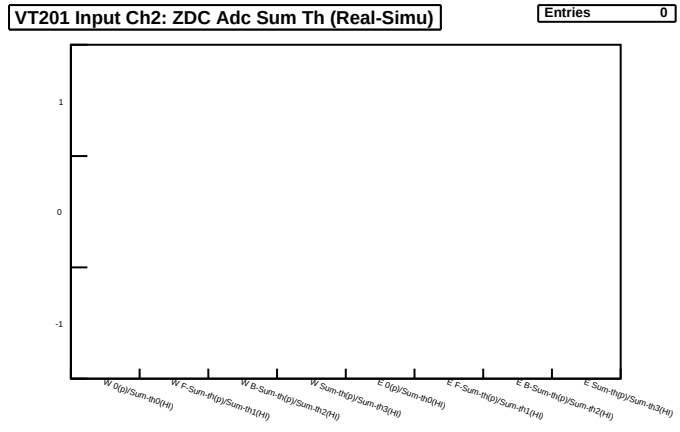

VT201 Input Ch1: EPD Hit Count Th
Entries 31538
15583
15561
186
208
East
West

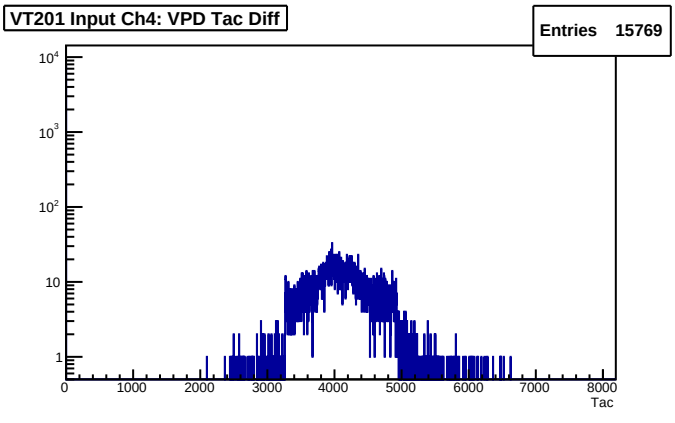

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

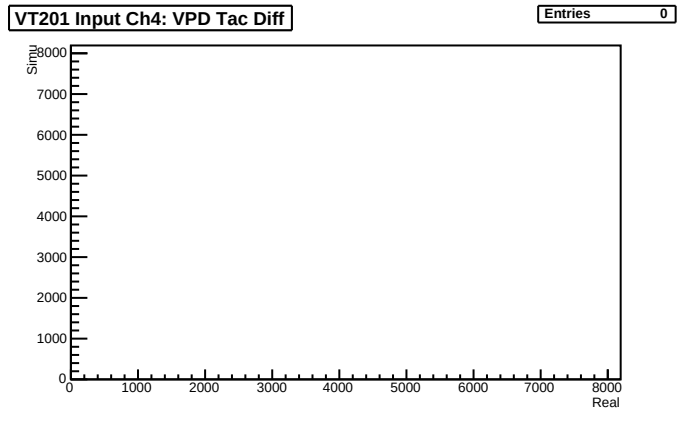

VT201 Input Ch2: ZDC Tac Diff
Entries 15769
Tac

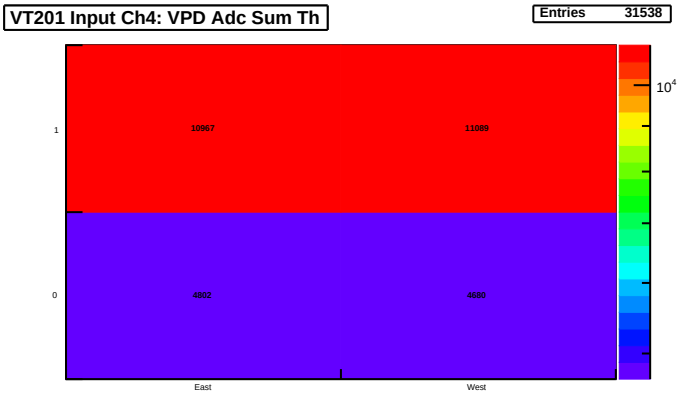

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

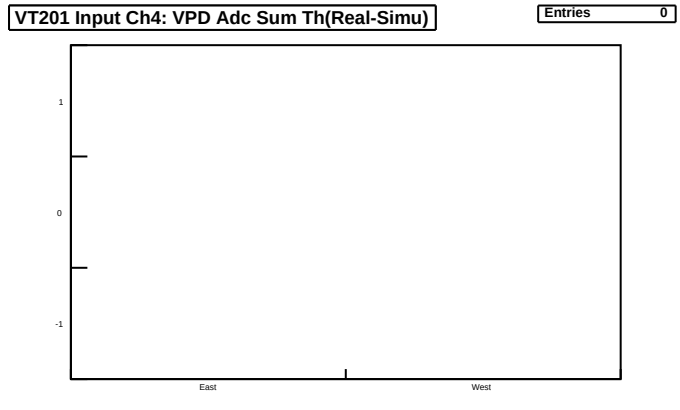

VT201 Input Ch2: ZDC Adc Sum Th
Entries 126152
350
75
338
138
2
2
15419
15694
15769
15769
15431
15631
15767
15767
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

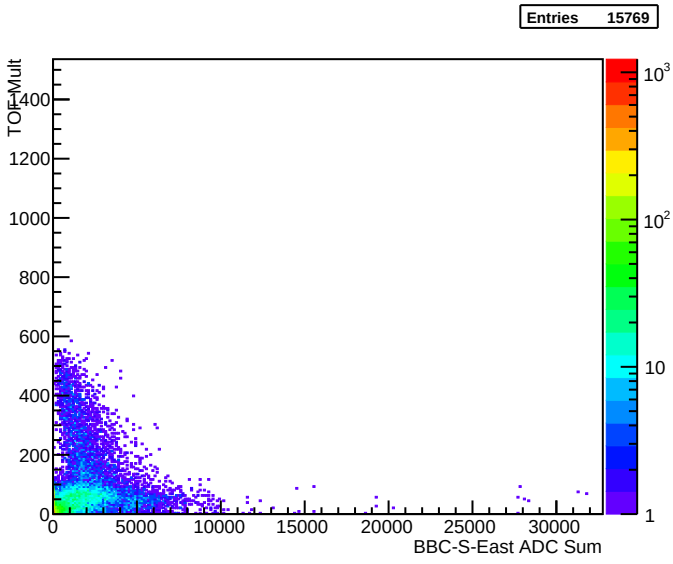

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

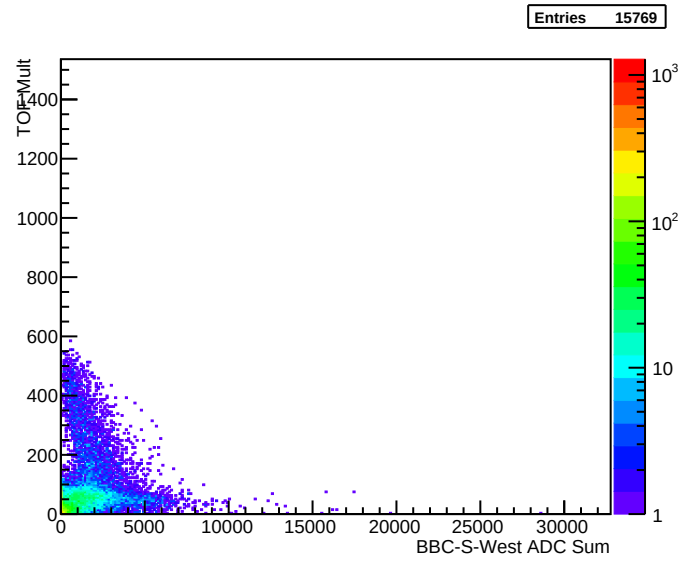

VT201 Input Ch4: VPD Tac Diff
Entries 15769
Tac

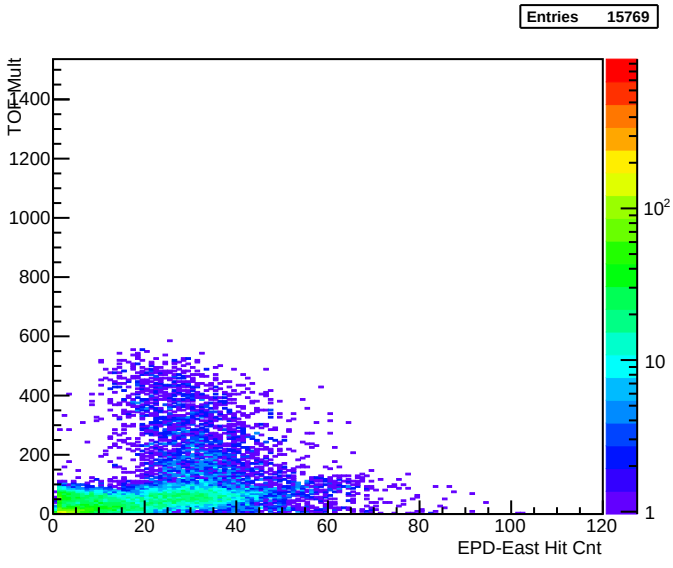

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

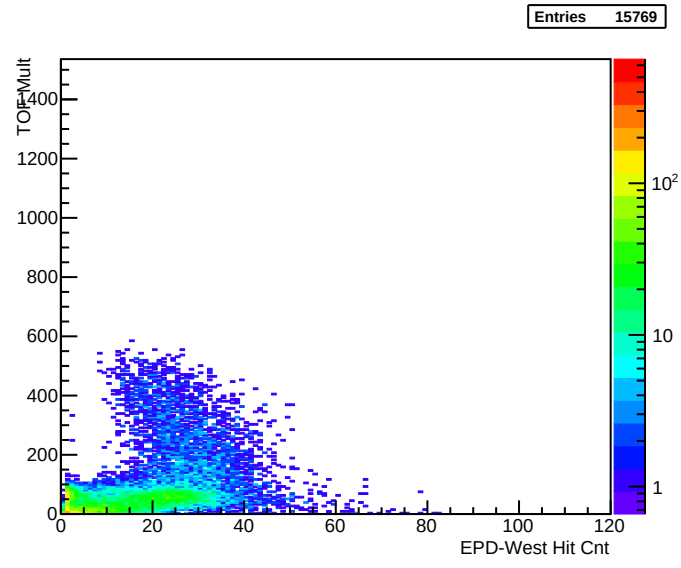

VT201 Input Ch4: VPD Adc Sum Th
Entries 31538
10967
11089
4802
4680
East
West

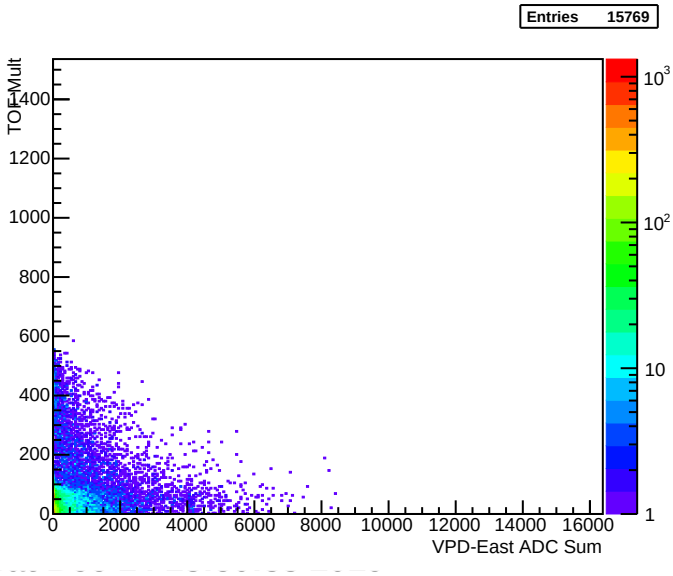

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

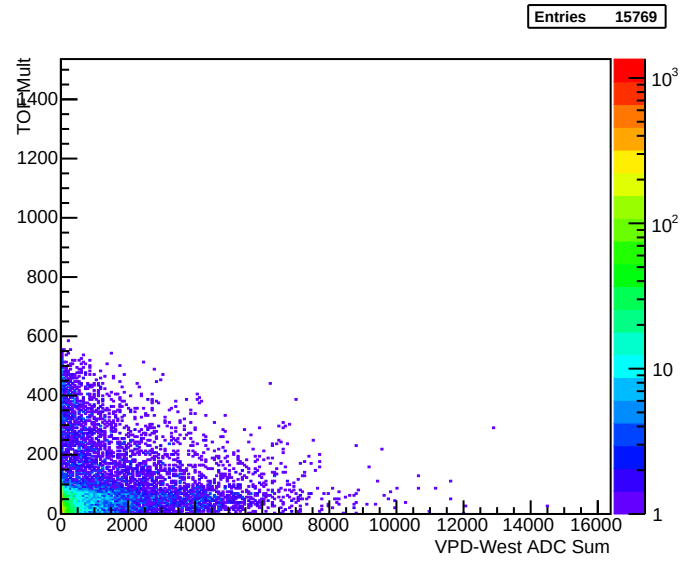

Entries 15769
TOF-Mult
BBC-S-East ADC Sum

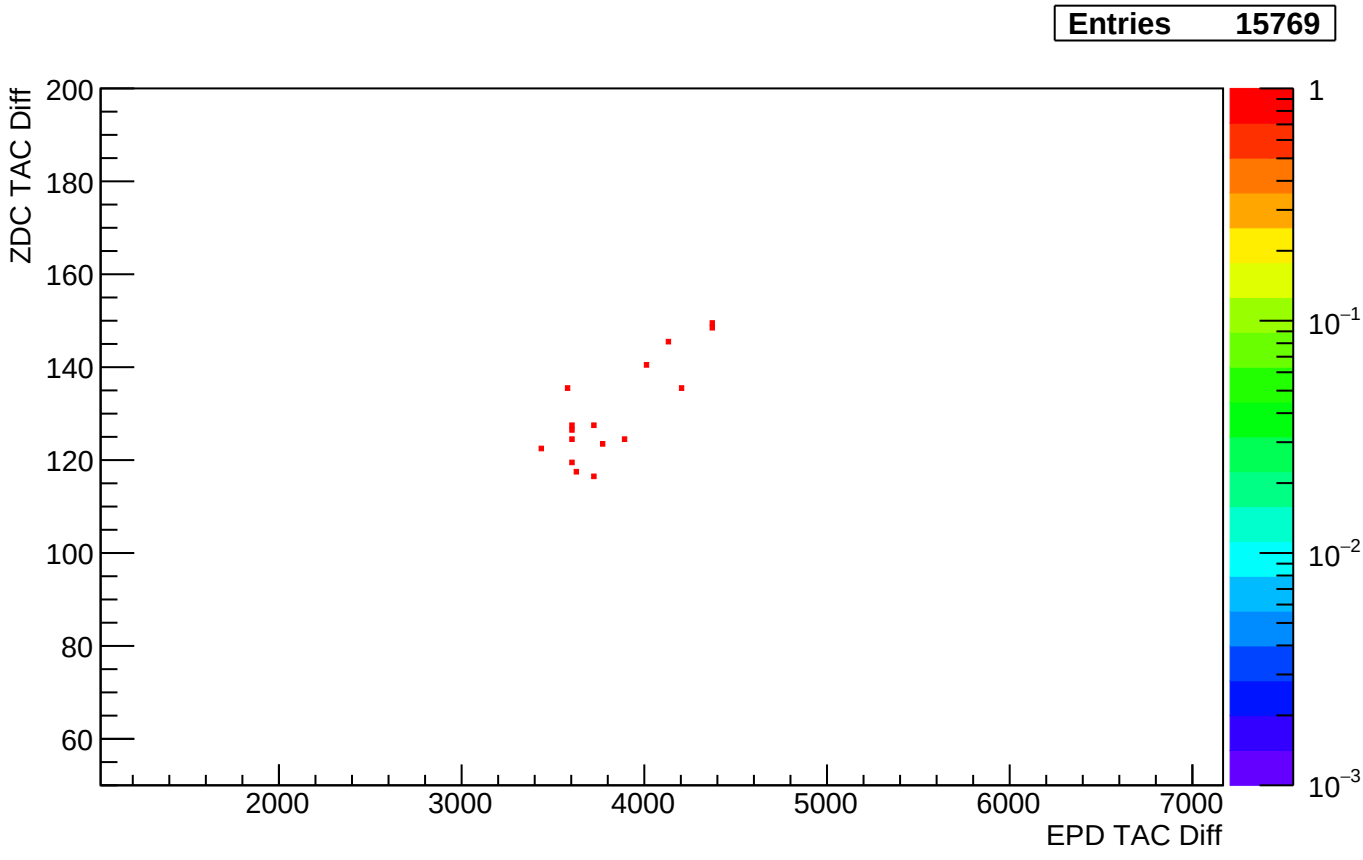

Entries 15769
TOF-Mult
BBC-S-West ADC Sum

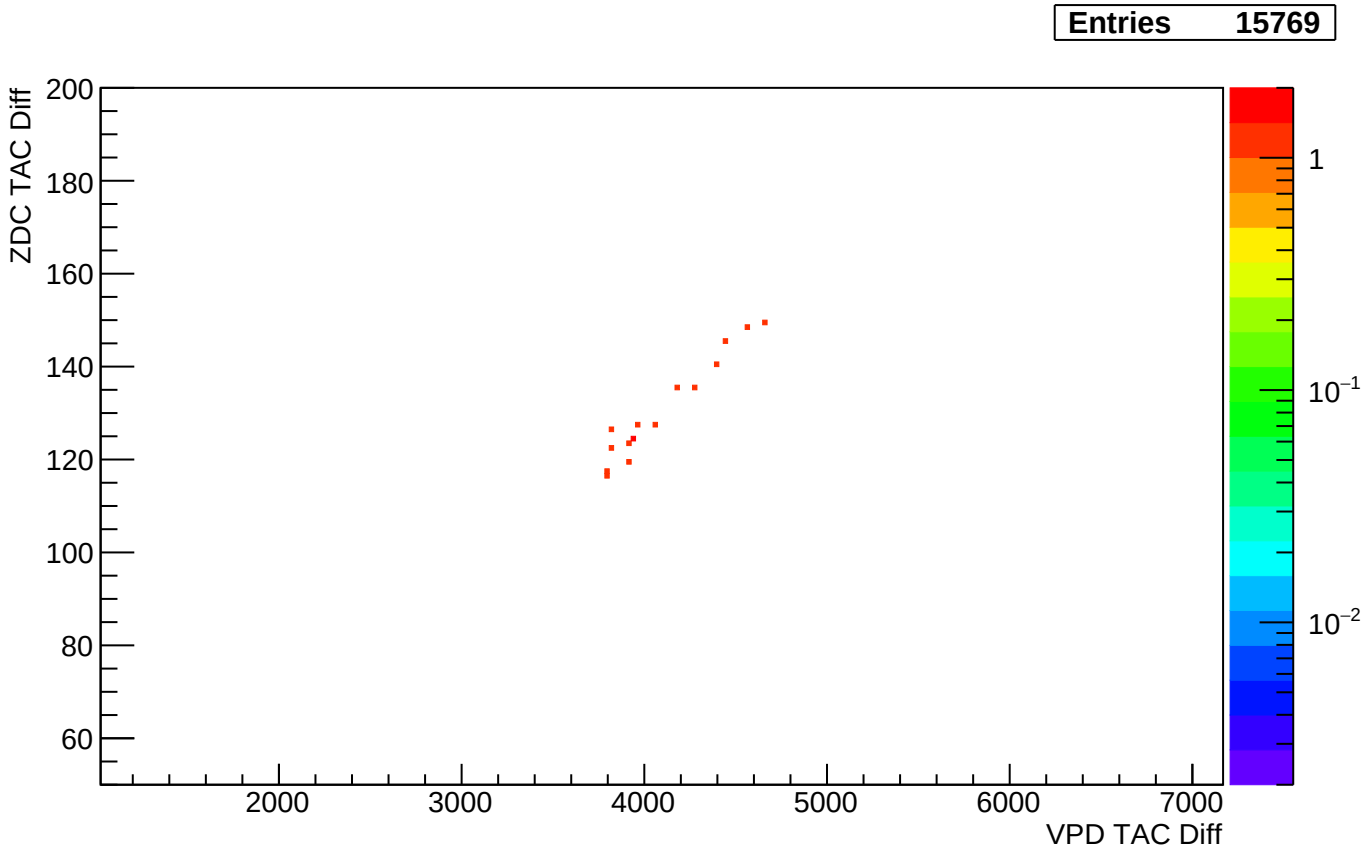

Entries 15769
TOF-Mult
EPD-East Hit Cnt

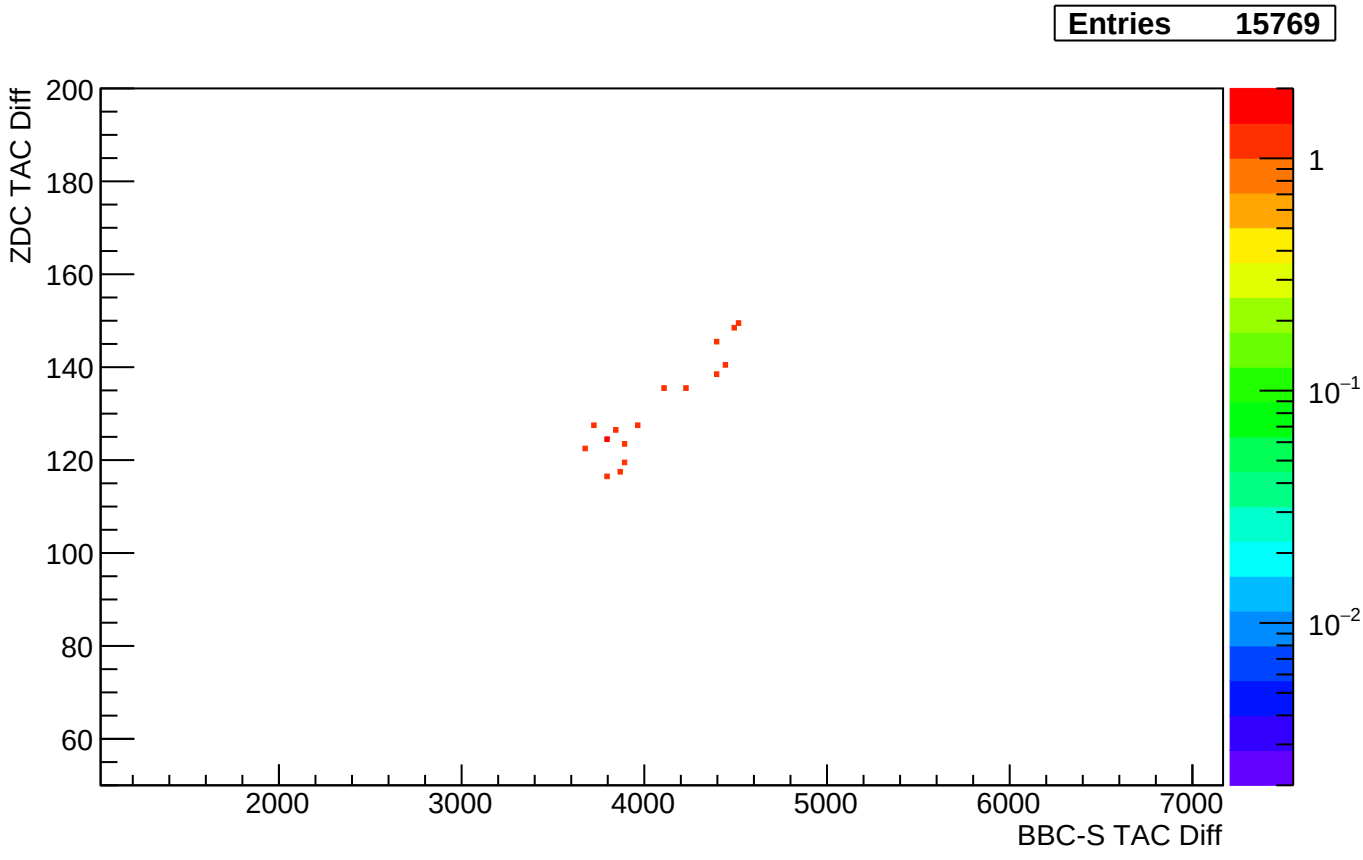

Entries 15769
TOF-Mult
EPD-West Hit Cnt

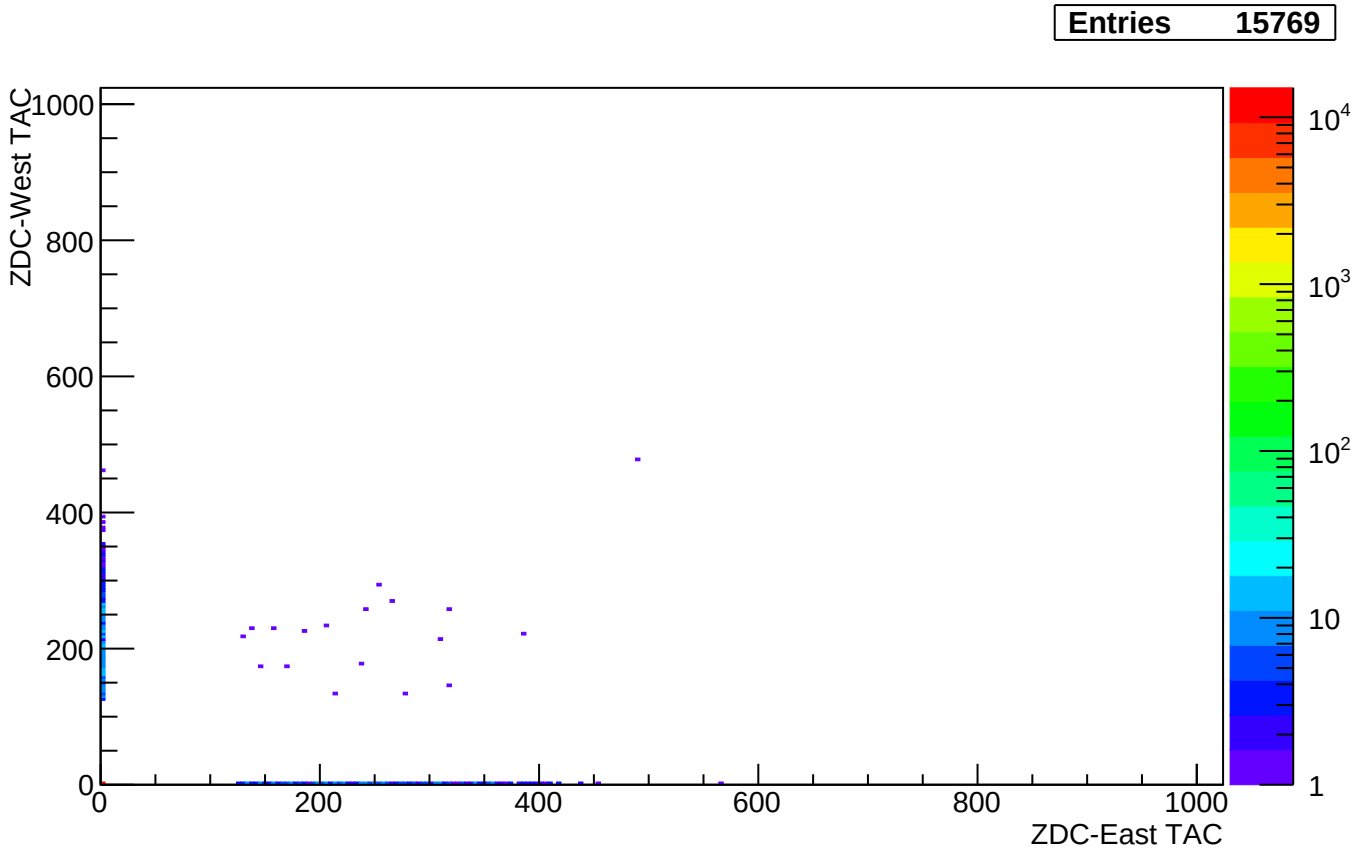

Entries 15769
TOF-Mult
VPD-East ADC Sum

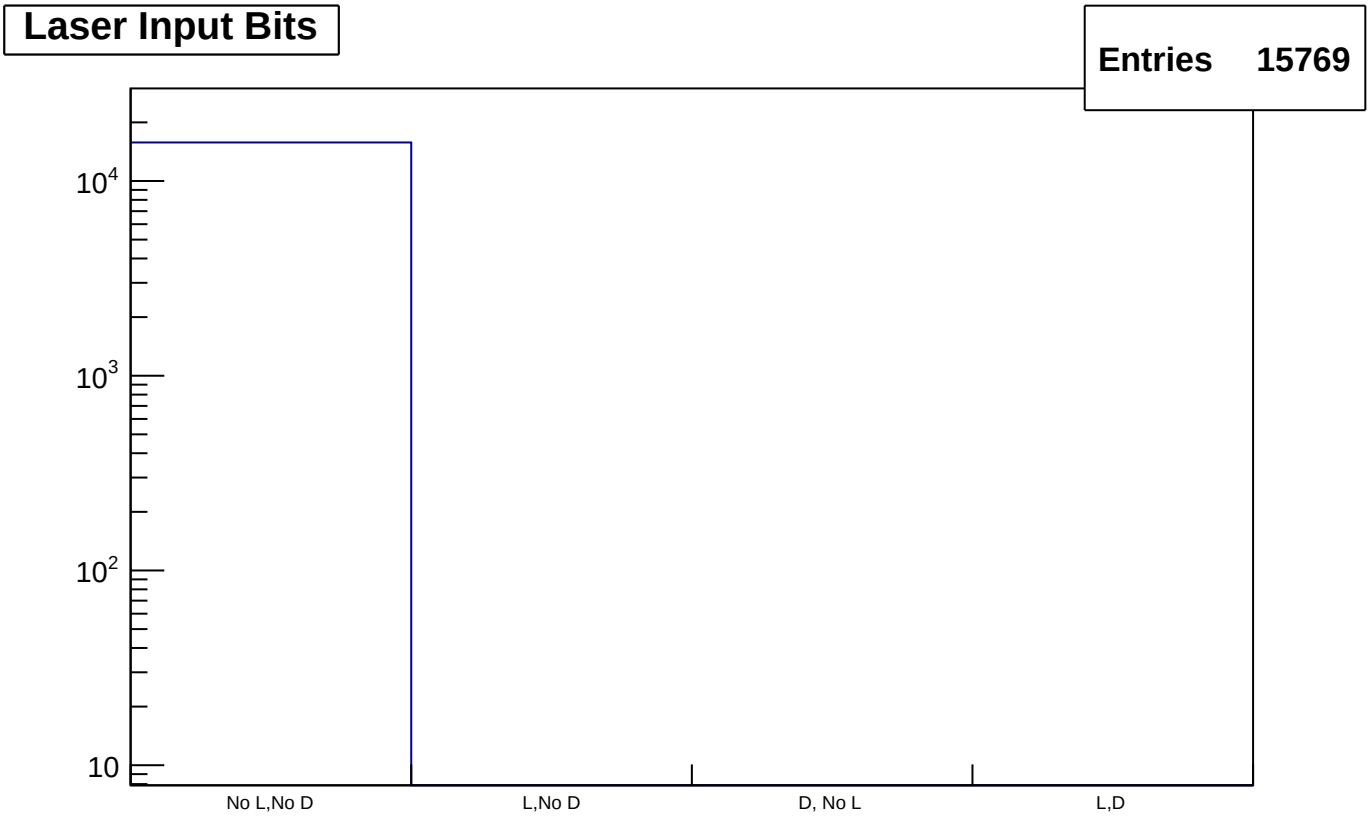

Entries 15769
TOF-Mult
VPD-West ADC Sum

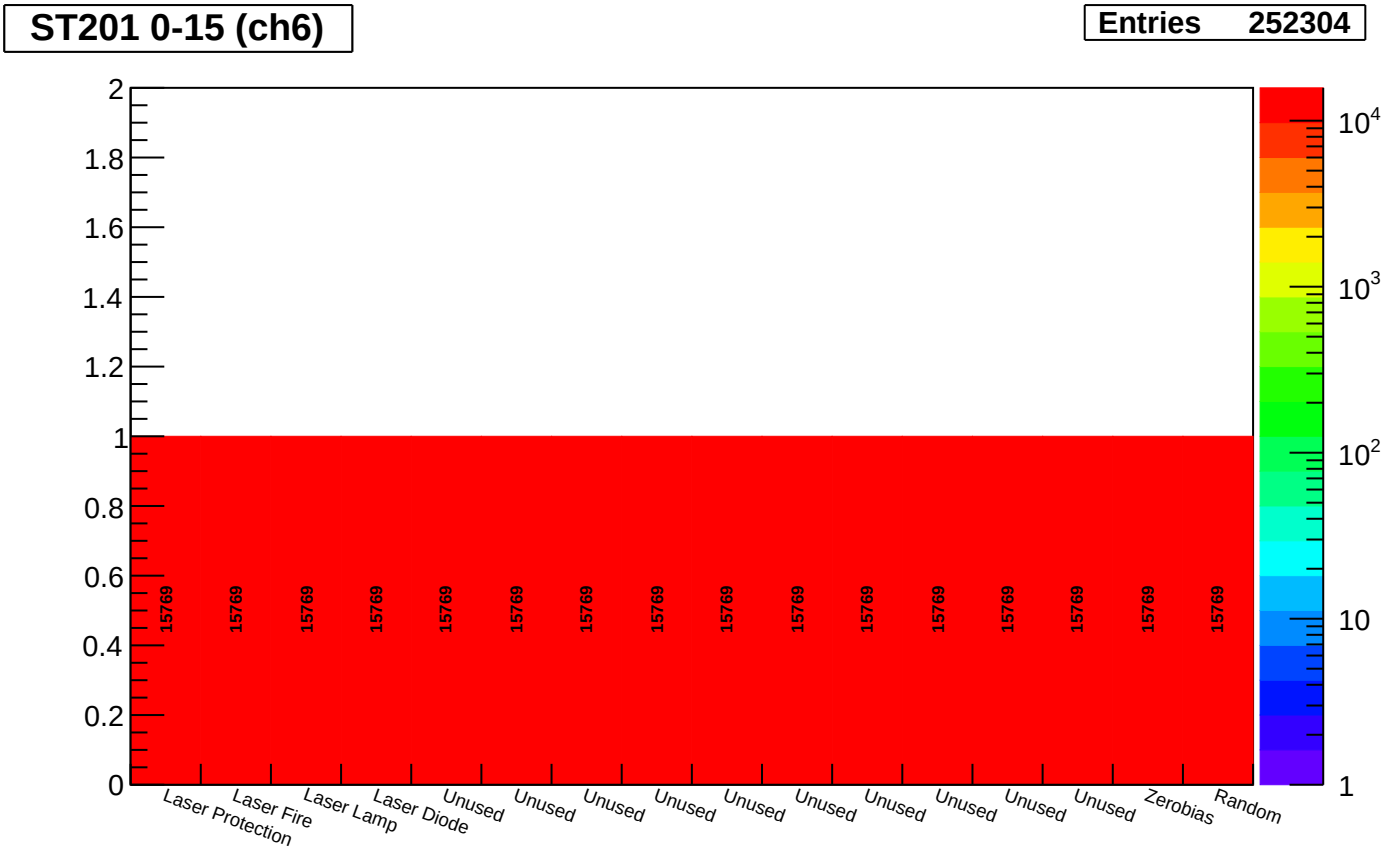

Entries 15769
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

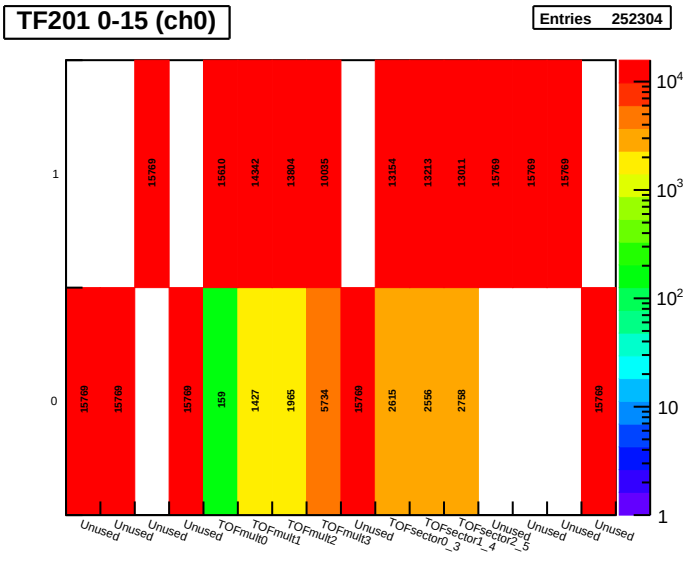

Entries 15769
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

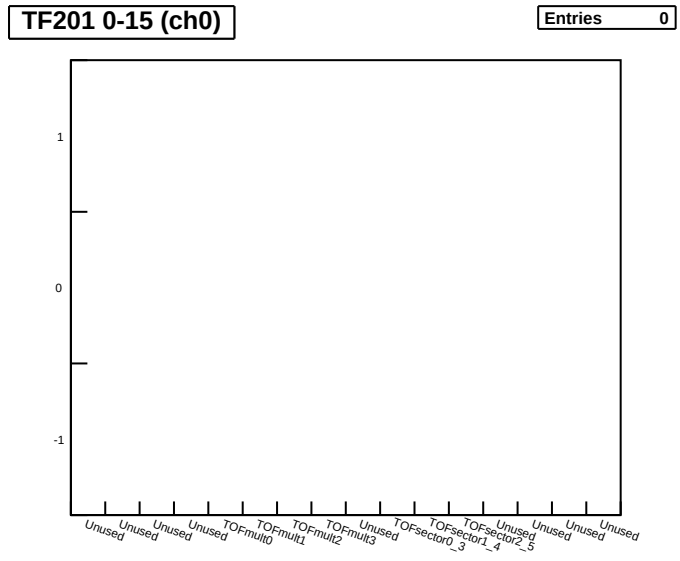

Entries 15769
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

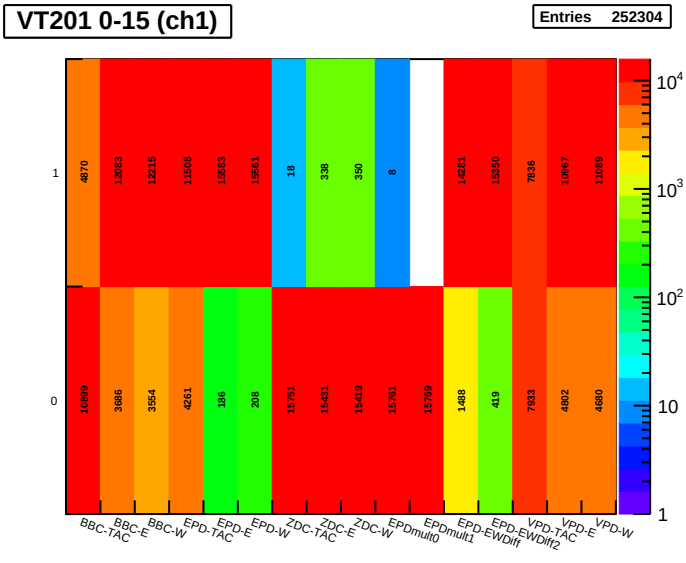

Entries 15769
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

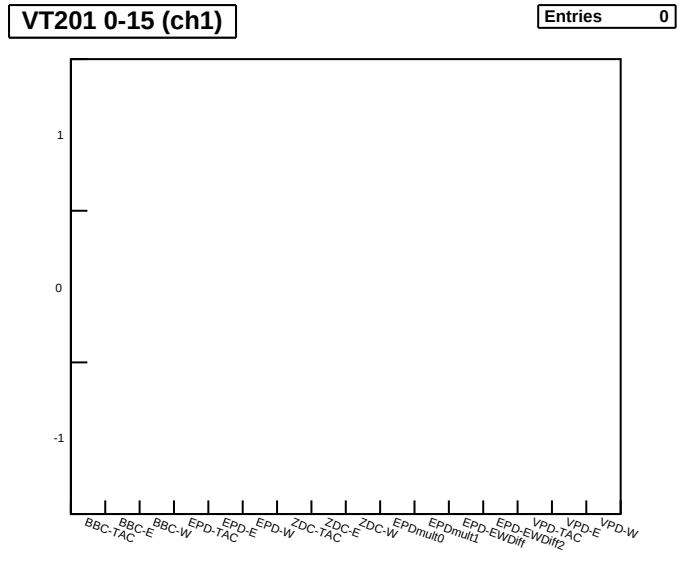

Laser Input Bits
Entries 15769
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

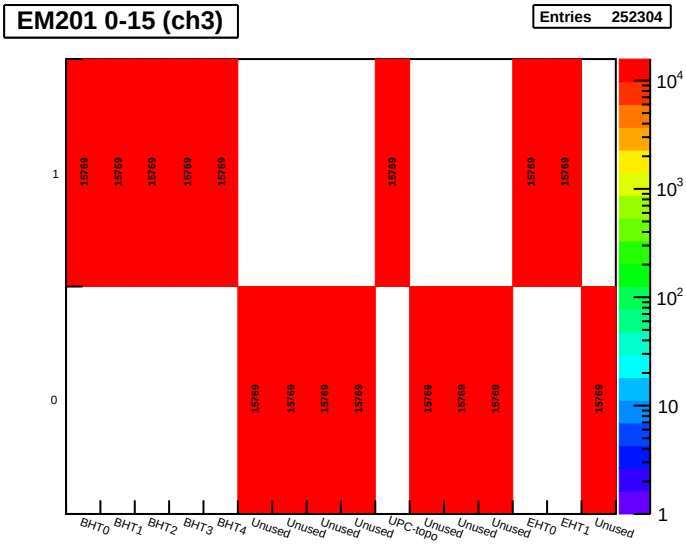

ST201 0-15 (ch6)
Entries 252304
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
15769
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

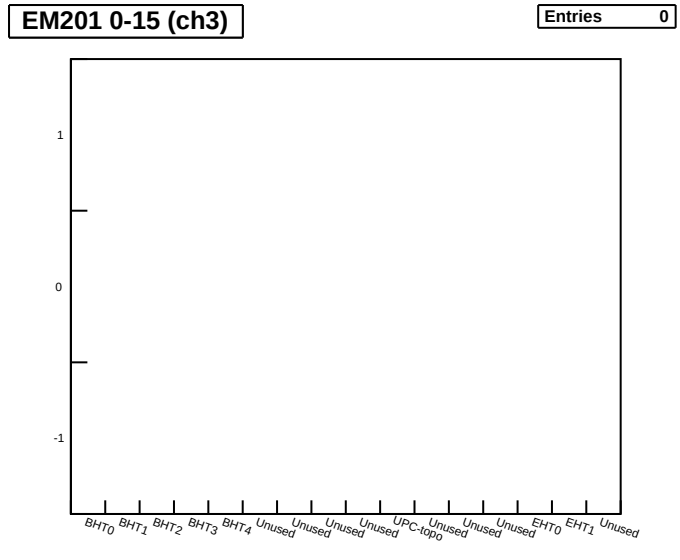

TF201 0-15 (ch0)
Entries 252304
1
0
15769 15610 14342 13804 10035 13154 13213 13011 15769 15769 15769
15769 15769 15769 159 1427 1965 5734 15769 2615 2556 2798 15769
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 252304
1
0
4870 12083 12215 11508 15583 15661 18 338 350 8 14281 15350 7836 10967 11089
10899 3686 3554 4261 186 208 15751 15431 15419 15761 15769 1488 419 7933 4802 4680
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 252304
1
0
15769 15769 15769 15769 15769 15769 15769 15769
15769 15769 15769 15769 15769 15769 15769 15769
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