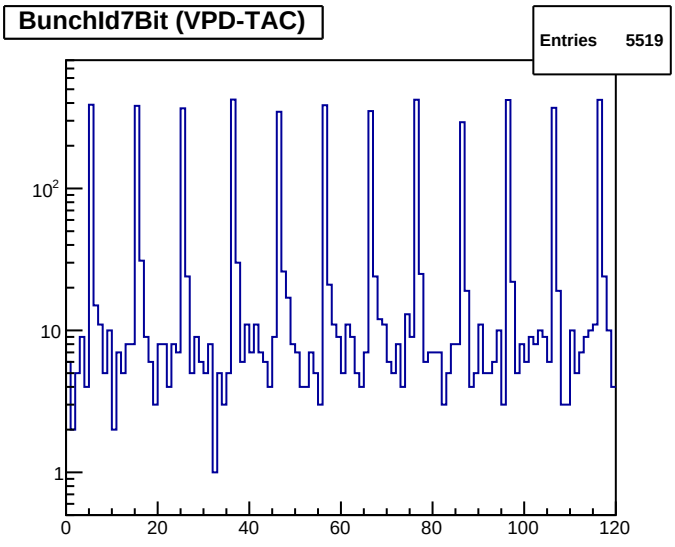
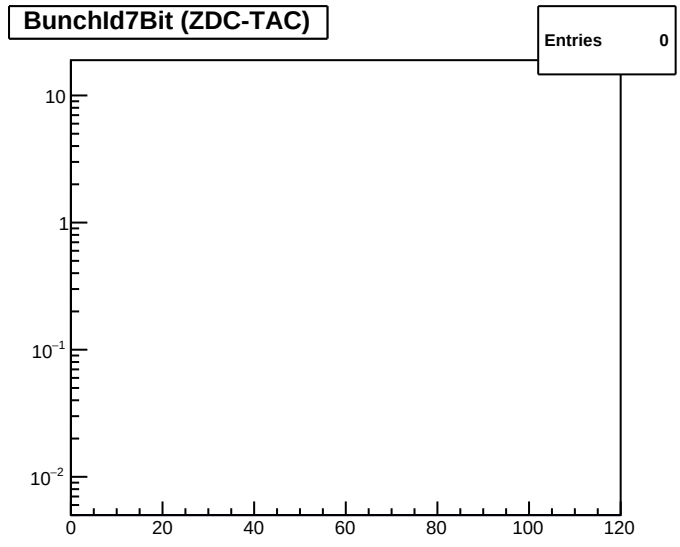
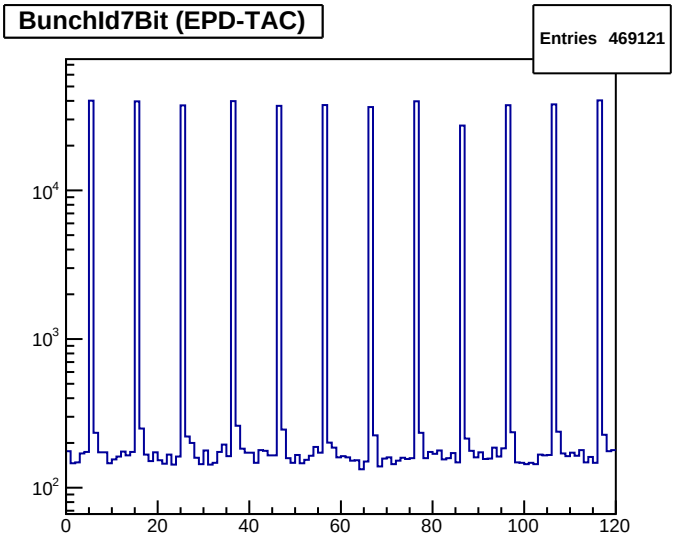
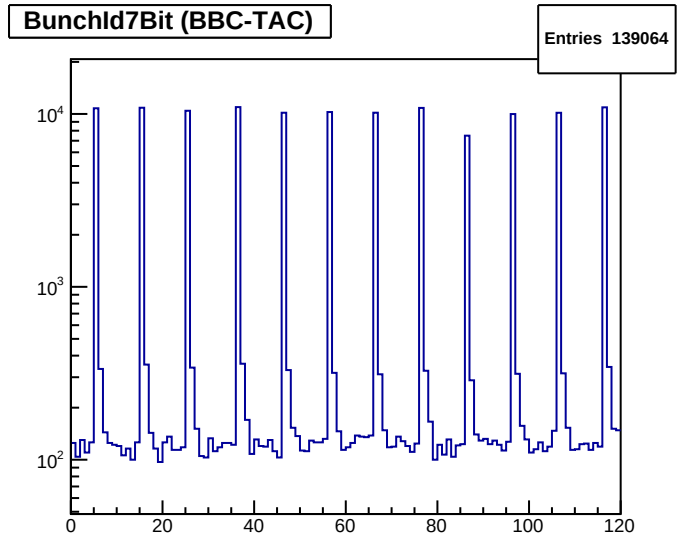
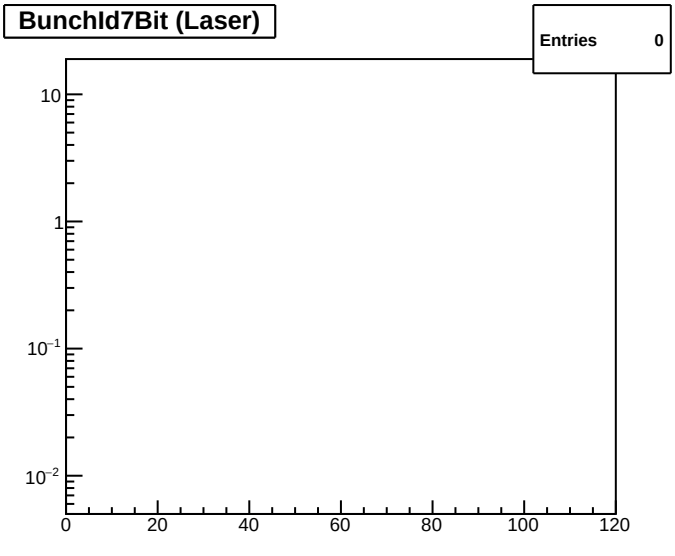
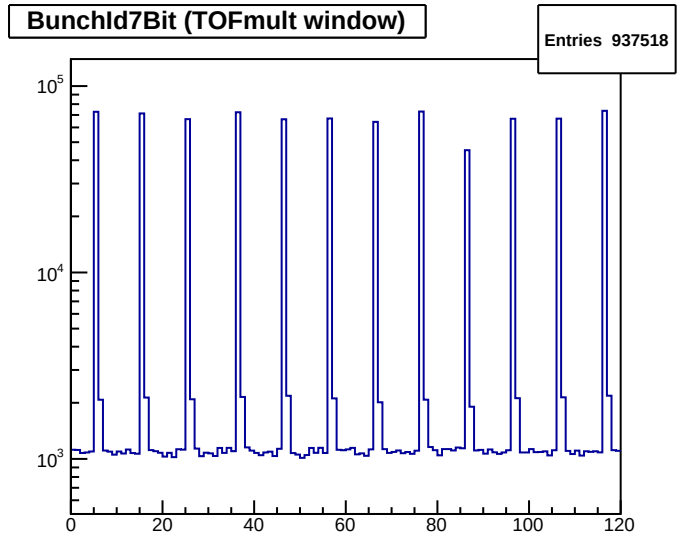

BunchId7Bit (VPD-TAC)
Entries 5519

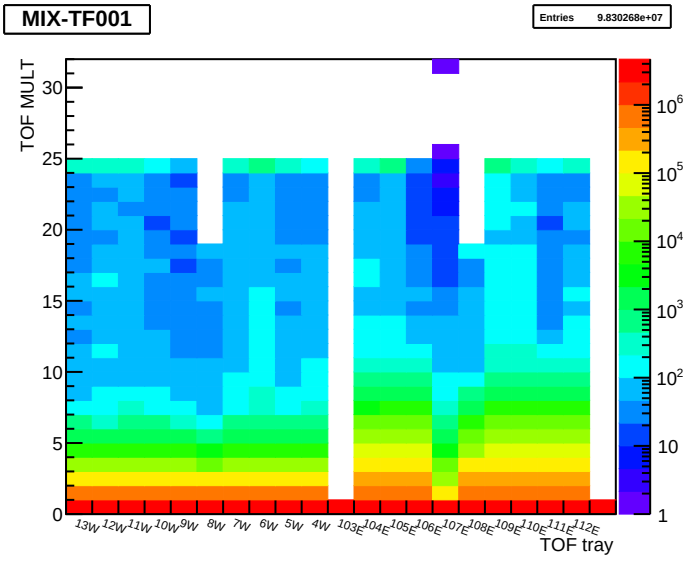

BunchId7Bit (ZDC-TAC)
Entries 0

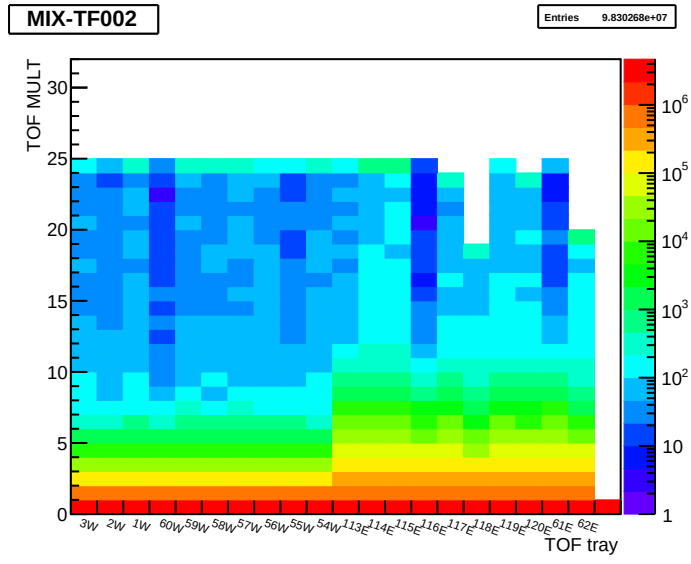

BunchId7Bit (EPD-TAC)
Entries 469121

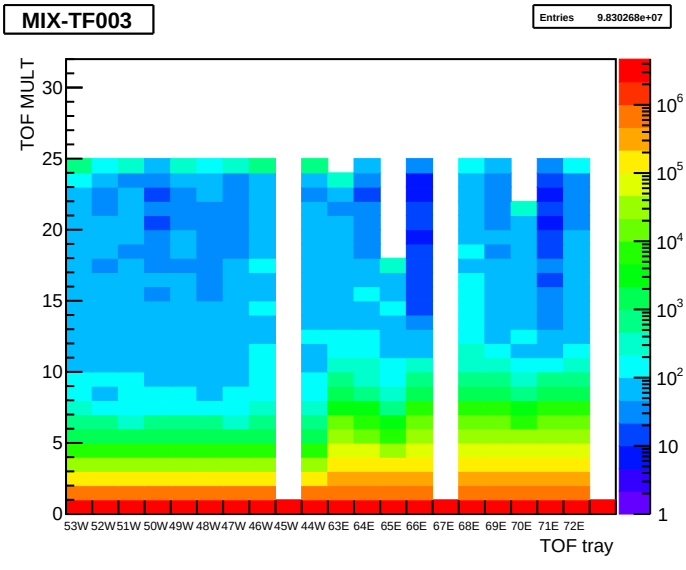

BunchId7Bit (BBC-TAC)
Entries 139064

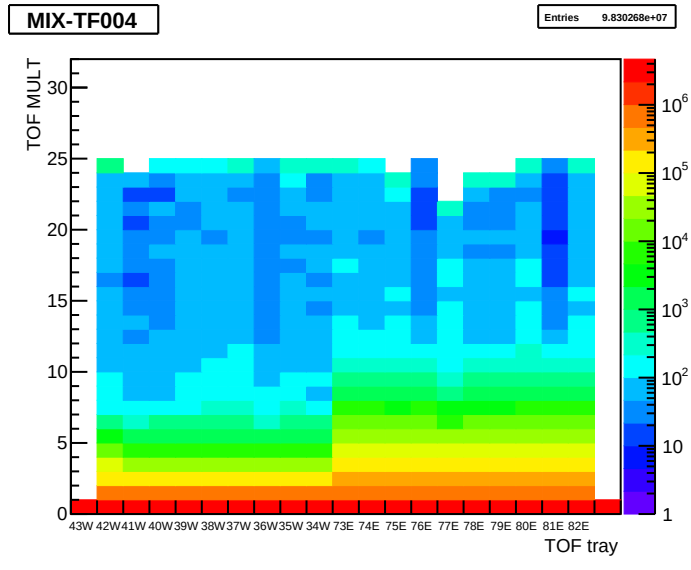

BunchId7Bit (Laser)
Entries 0

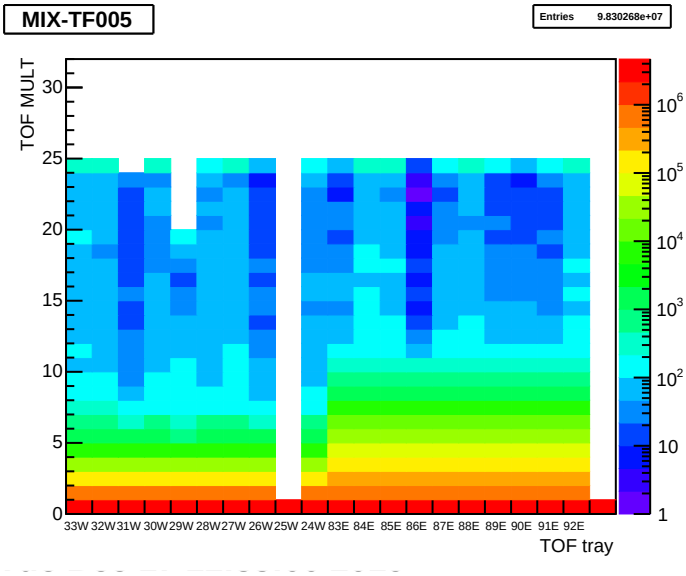

BunchId7Bit (TOFmult window)
Entries 937518

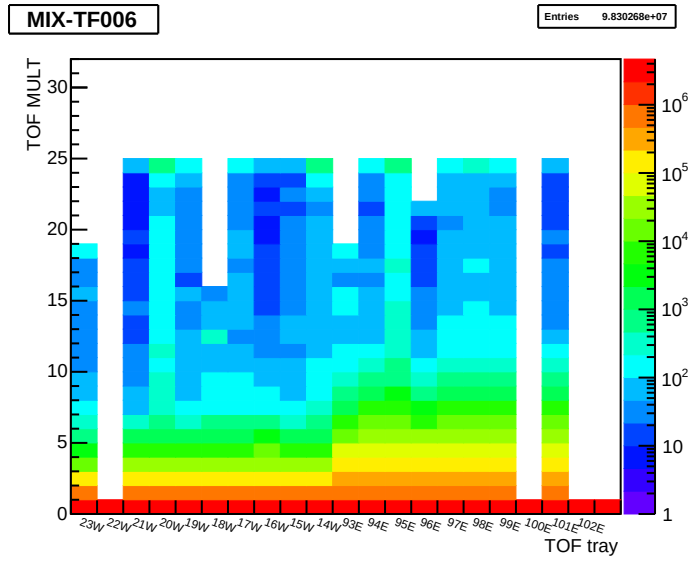

MIX-TF001
Entries 9.830268e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

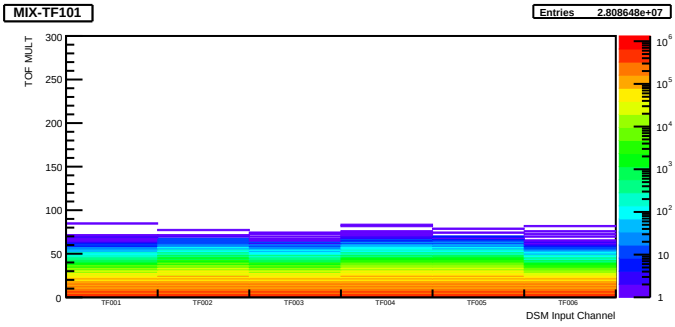

MIX-TF002
Entries 9.830268e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

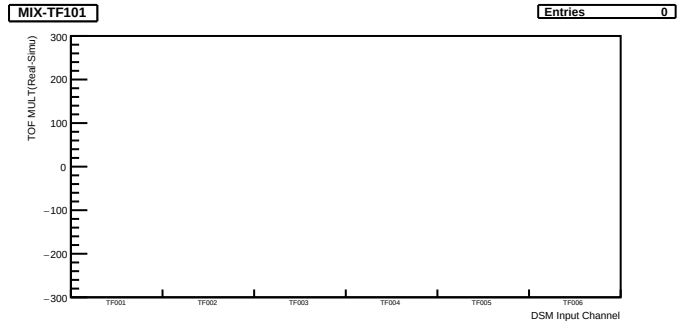

MIX-TF003
Entries 9.830268e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

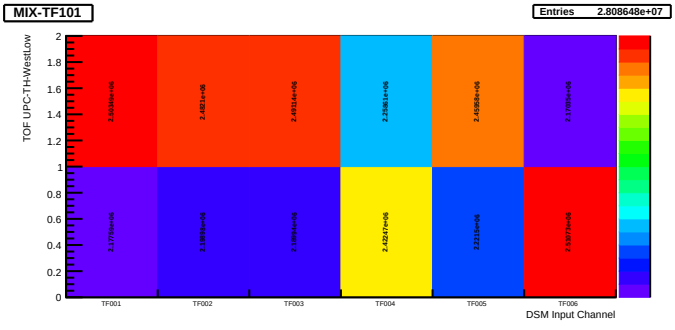

MIX-TF004
Entries 9.830268e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

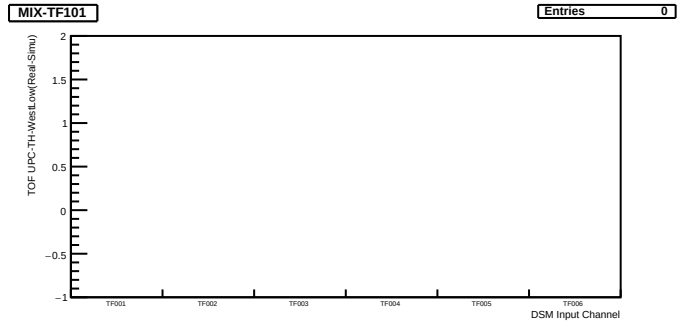

MIX-TF005
Entries 9.830268e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

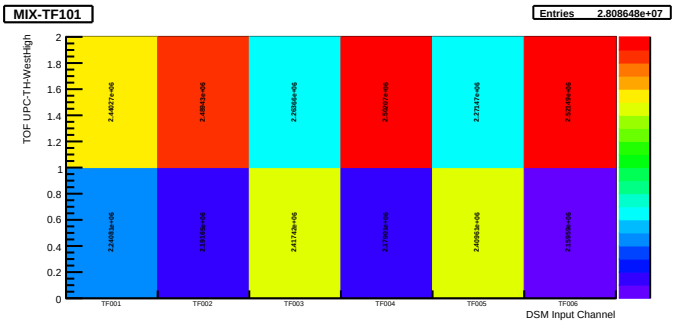

MIX-TF006
Entries 9.830268e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

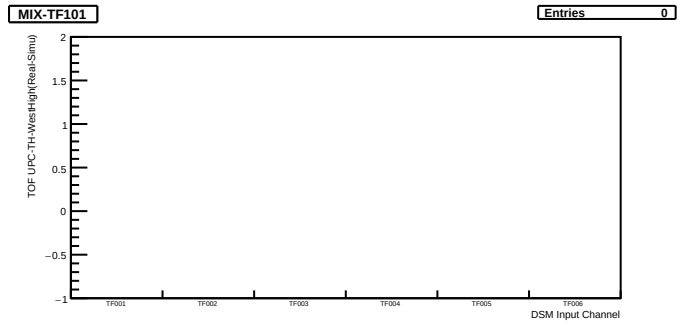

MIX-TF101
Entries 2.808648e+07
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

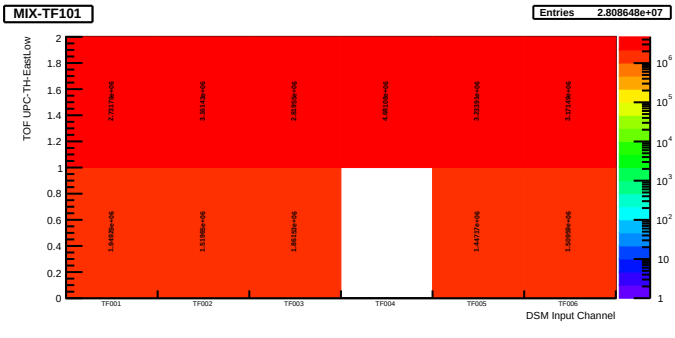

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

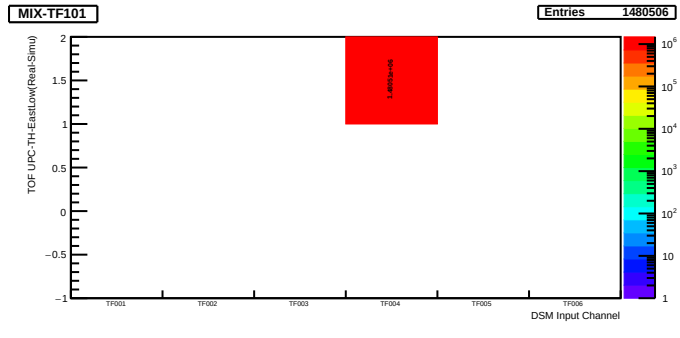

MIX-TF101
Entries 2.808648e+07
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

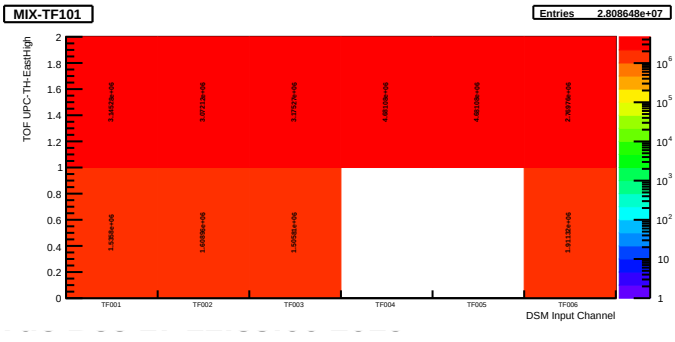

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

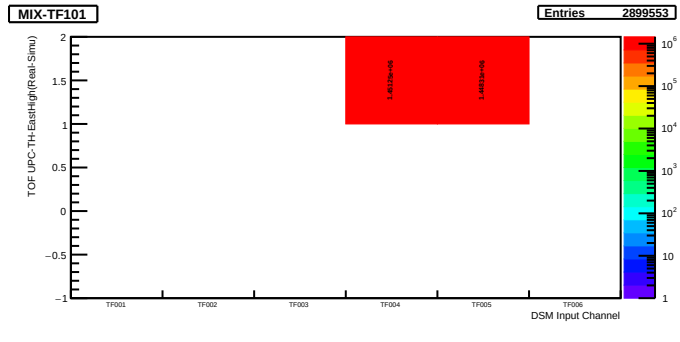

MIX-TF101
Entries 2.808648e+07
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

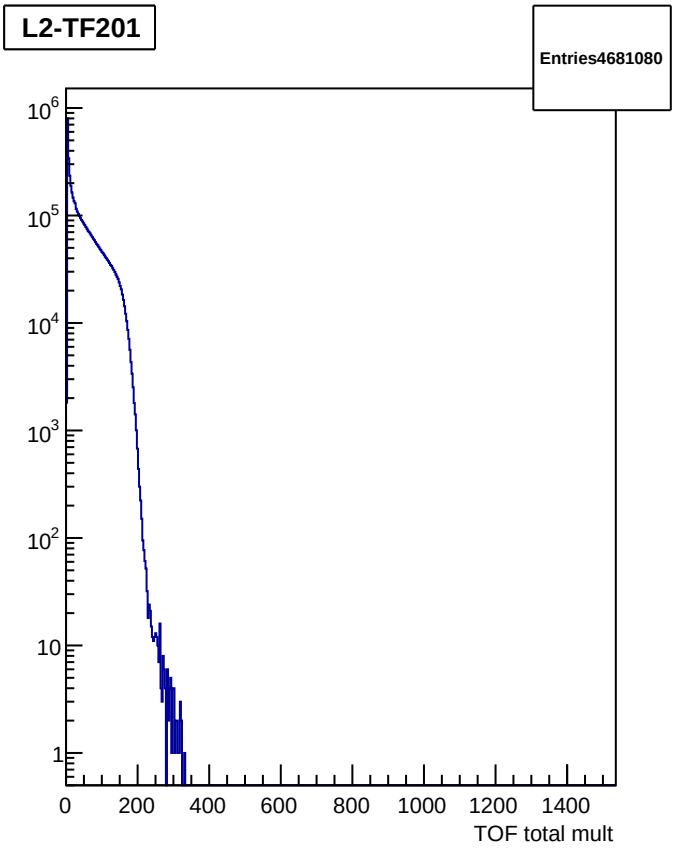

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

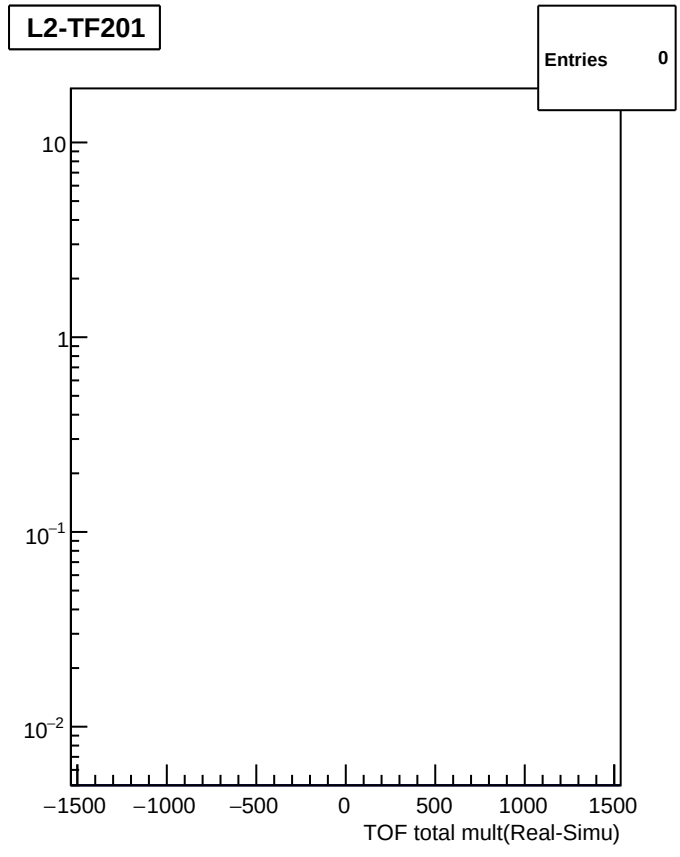

MIX-TF101
Entries 2.808648e+07
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

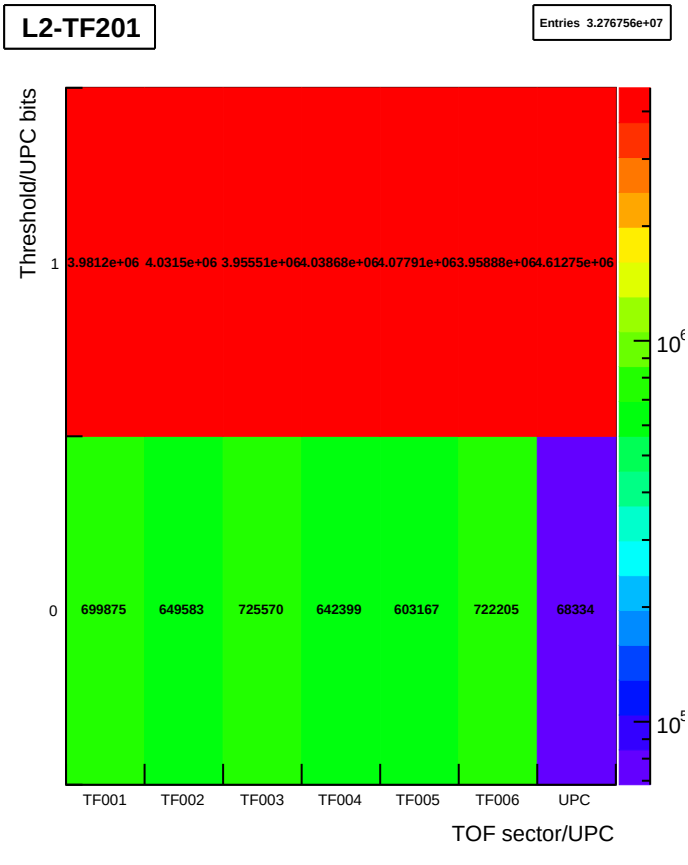

MIX-TF101
Entries 1480506
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

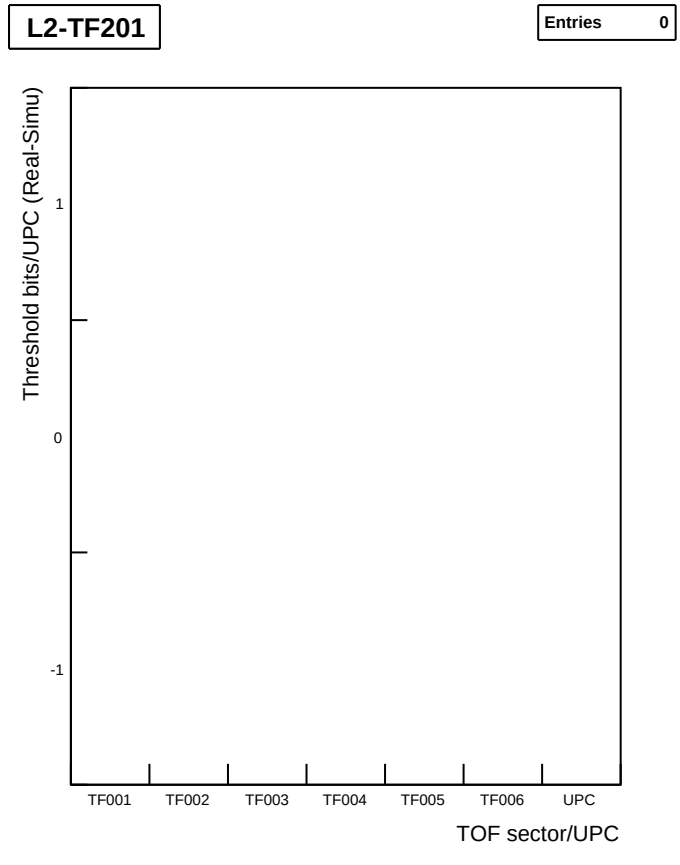

MIX-TF101
Entries 2.808648e+07
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

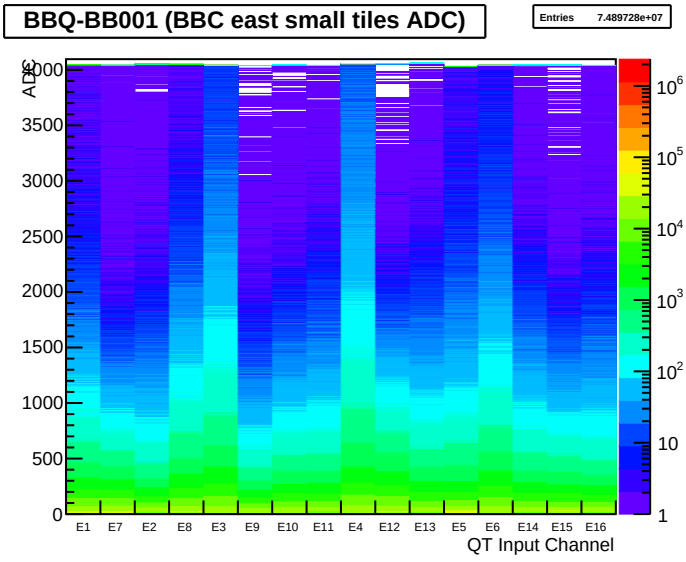

MIX-TF101
Entries 2899553
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

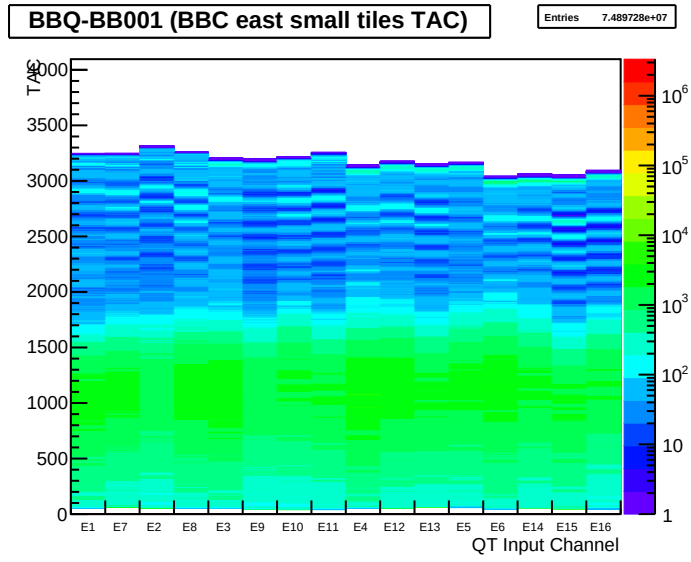

L2-TF201
Entries4681080
TOF total mult

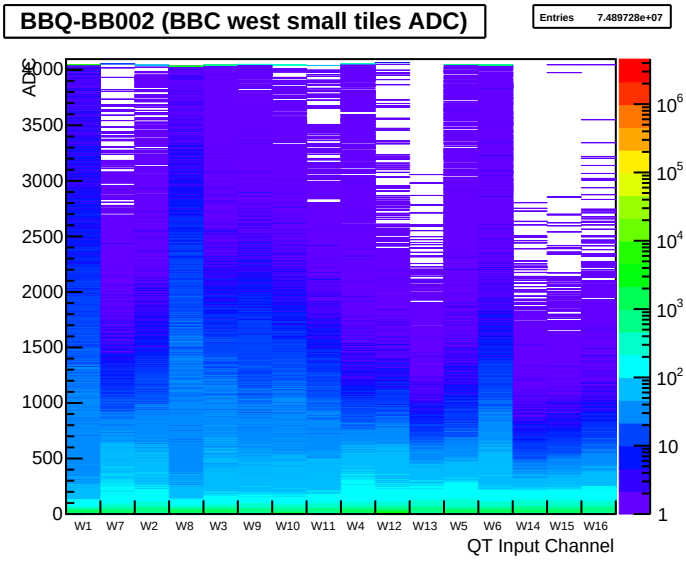

L2-TF201
Entries 0
TOF total mult(Real-Simu)

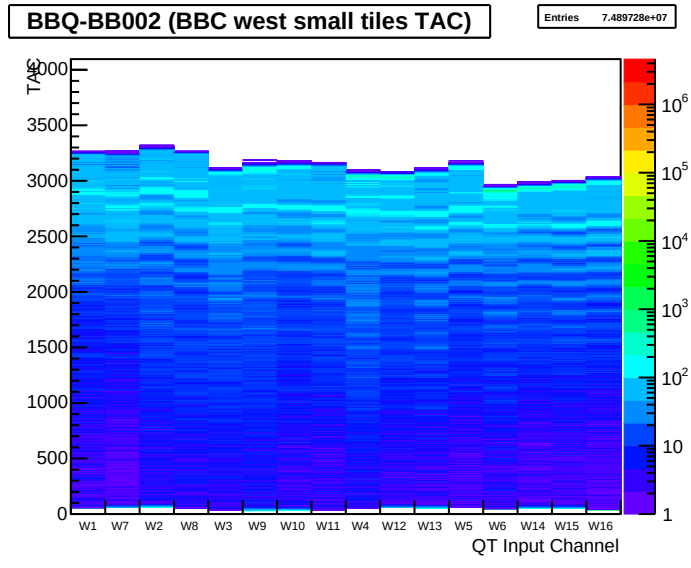

L2-TF201
Entries 3.276756e+07
Threshold/UPC bits
3.9812e+06
4.0315e+06
3.95551e+06
4.03868e+06
4.07791e+06
3.95888e+06
4.61275e+06
699875
649583
725570
642399
603167
722205
68334
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

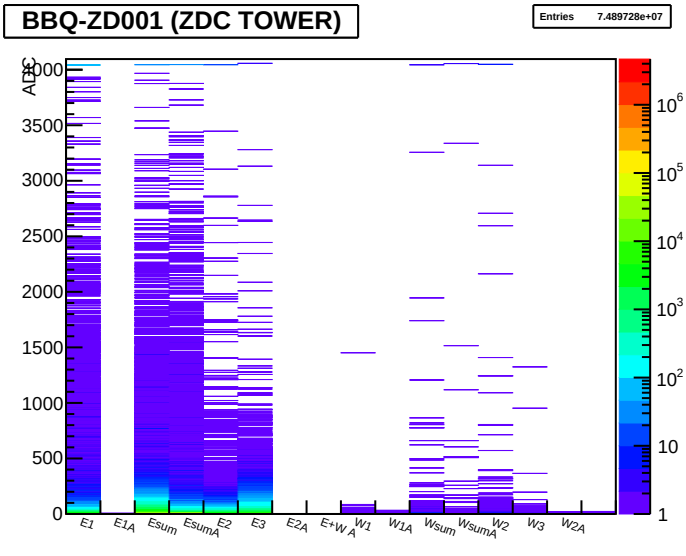

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

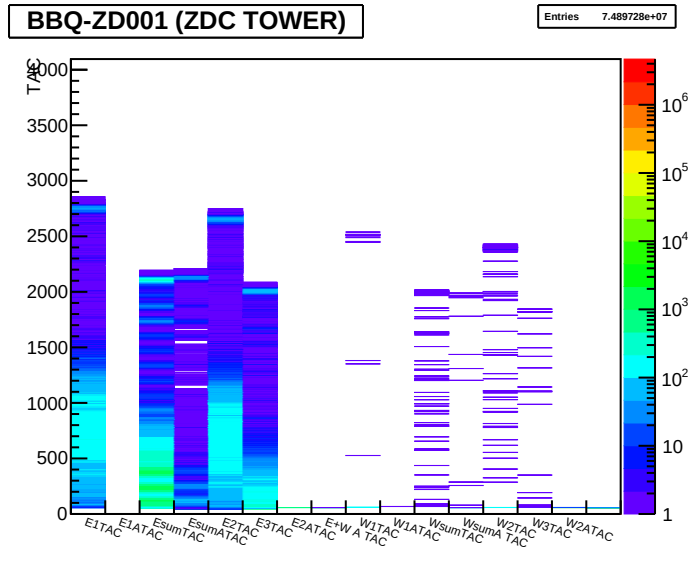

BBQ-BB001 (BBC east small tiles ADC)
Entries 7.489728e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

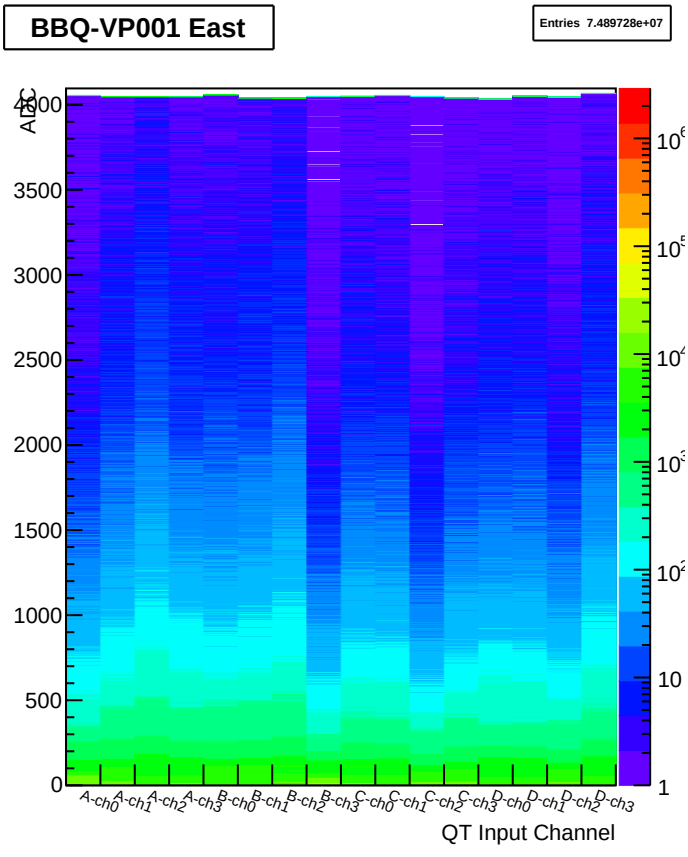

BBQ-BB001 (BBC east small tiles TAC)
Entries 7.489728e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

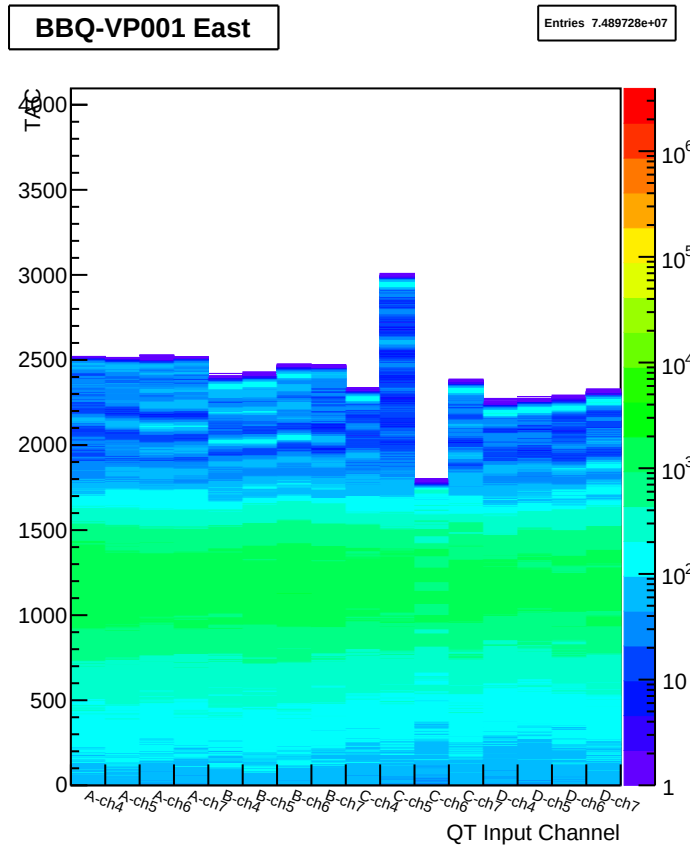

BBQ-BB002 (BBC west small tiles ADC)
Entries 7.489728e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

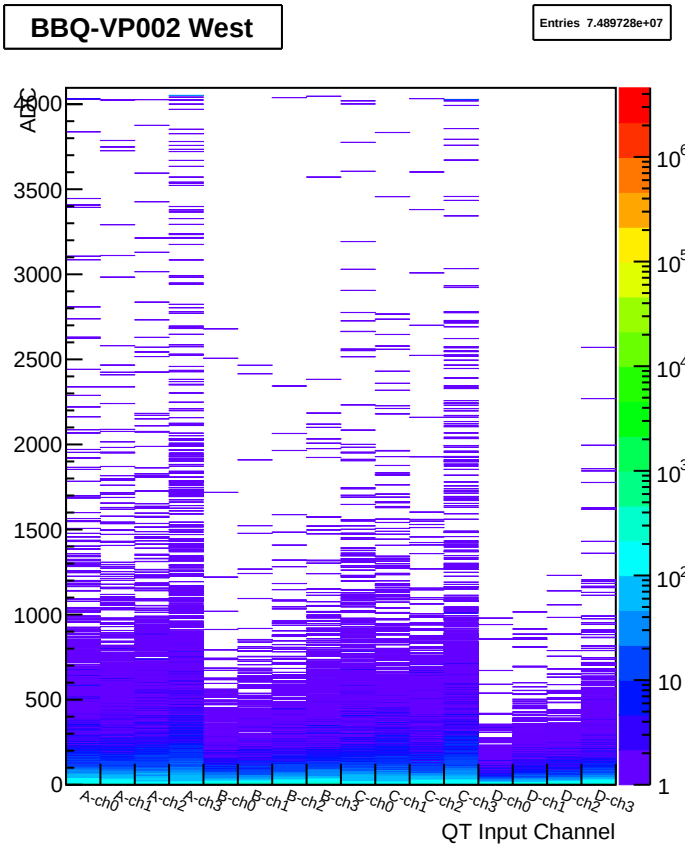

BBQ-BB002 (BBC west small tiles TAC)
Entries 7.489728e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

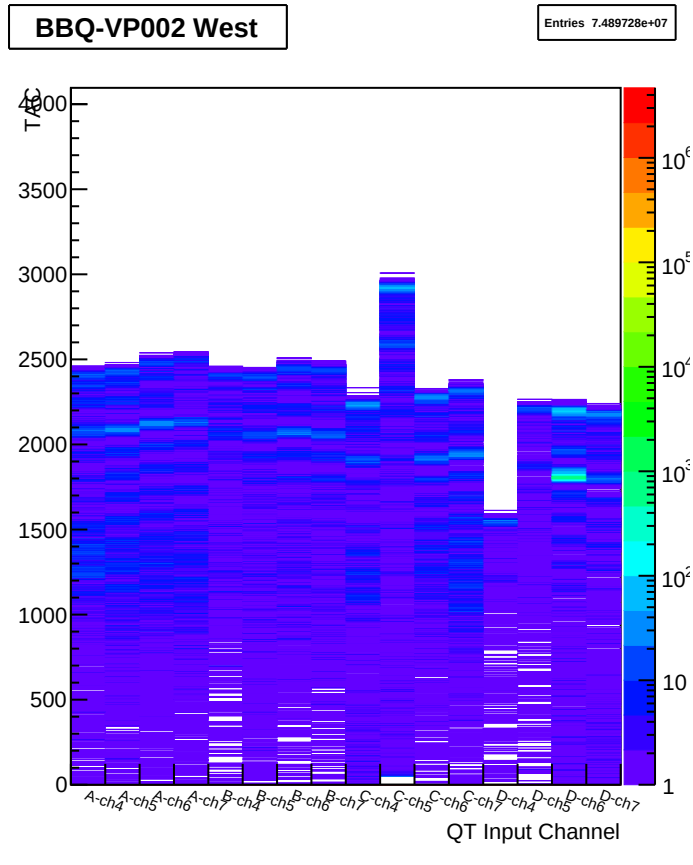

BBQ-ZD001 (ZDC TOWER)
Entries 7.489728e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

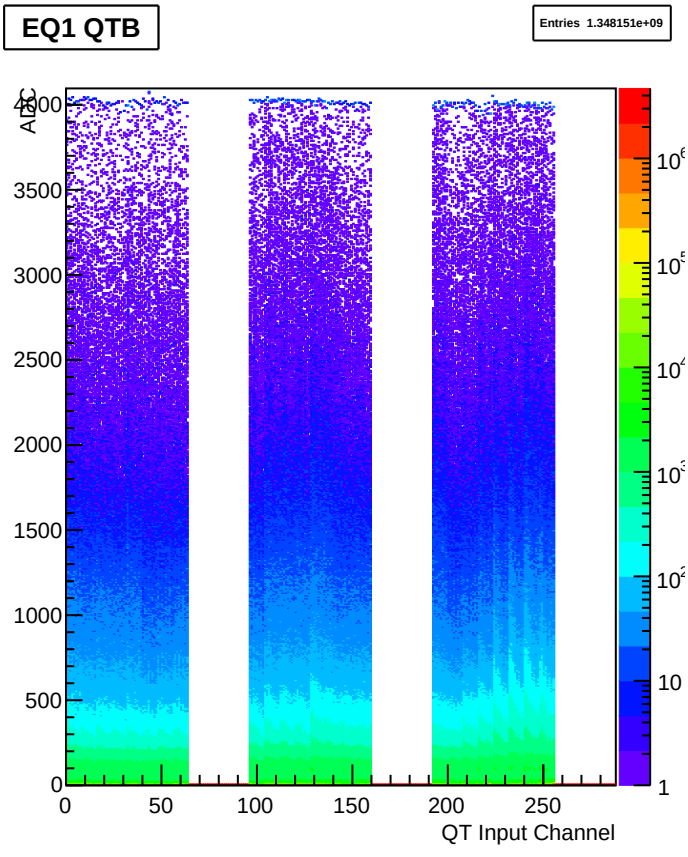

BBQ-ZD001 (ZDC TOWER)
Entries 7.489728e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

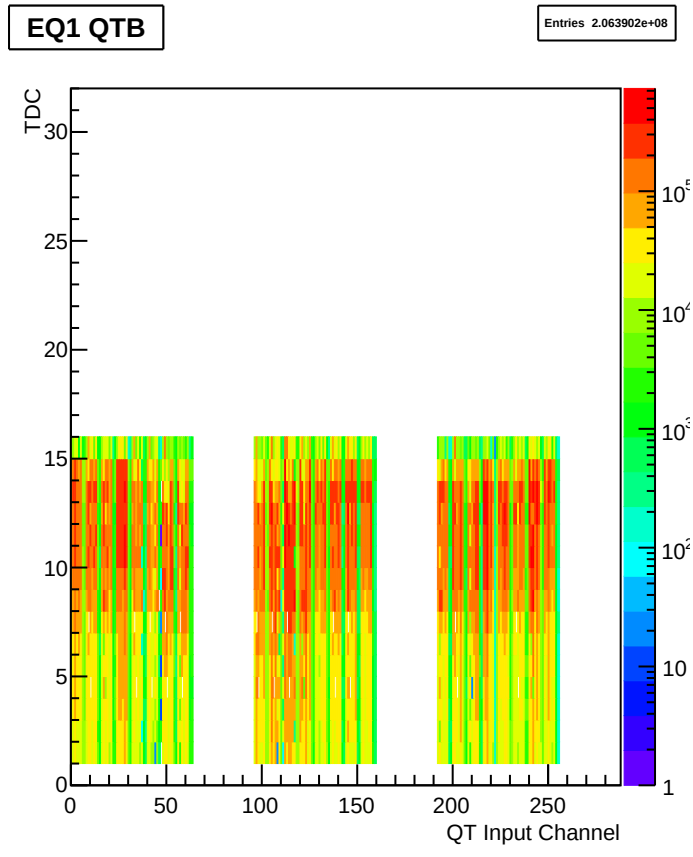

BBQ-VP001 East
Entries 7.489728e+07
ADC
QT Input Channel

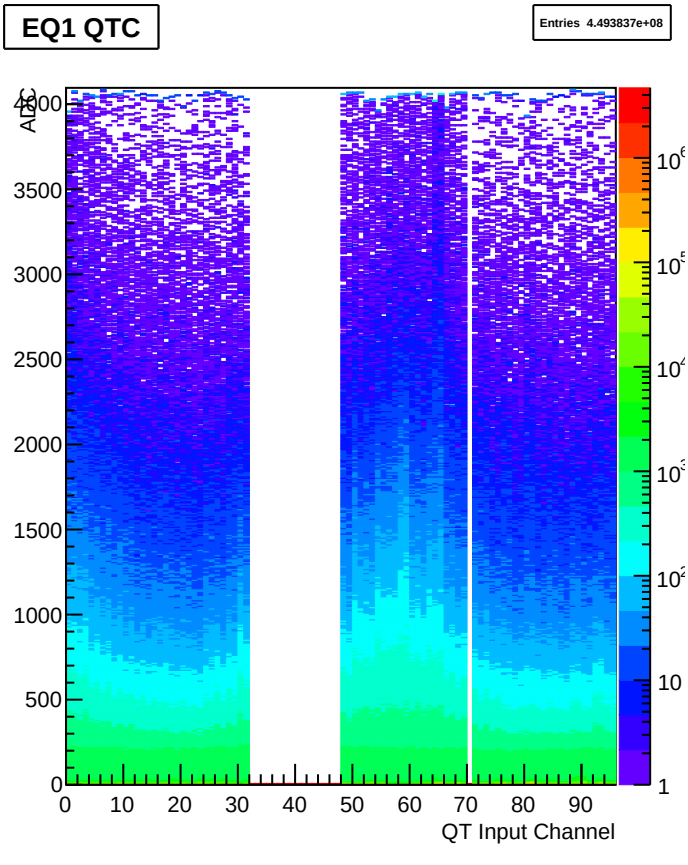

BBQ-VP001 East
Entries 7.489728e+07
TADC
QT Input Channel

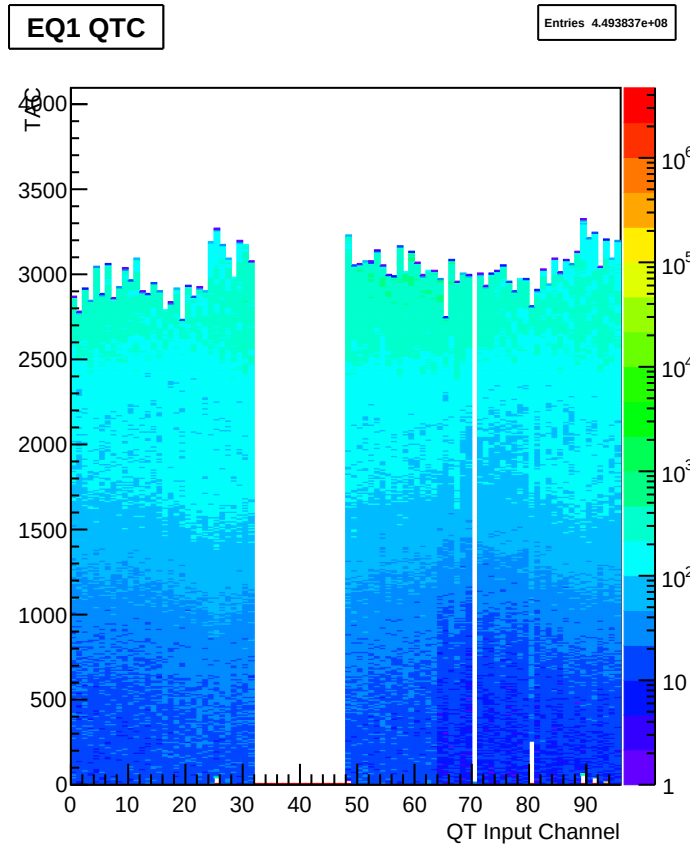

BBQ-VP002 West
Entries 7.489728e+07
ADC
QT Input Channel

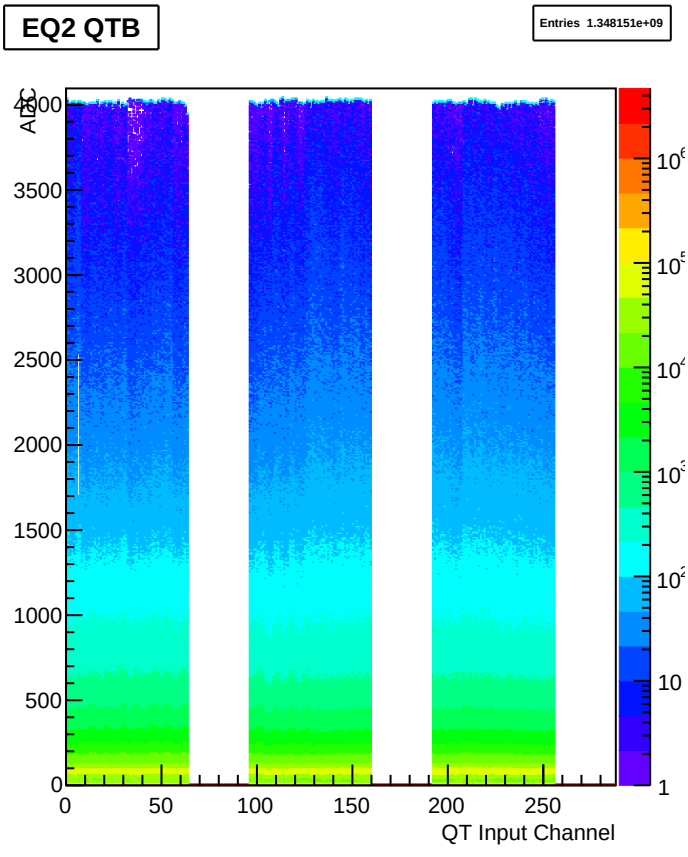

BBQ-VP002 West
Entries 7.489728e+07
TADC
QT Input Channel

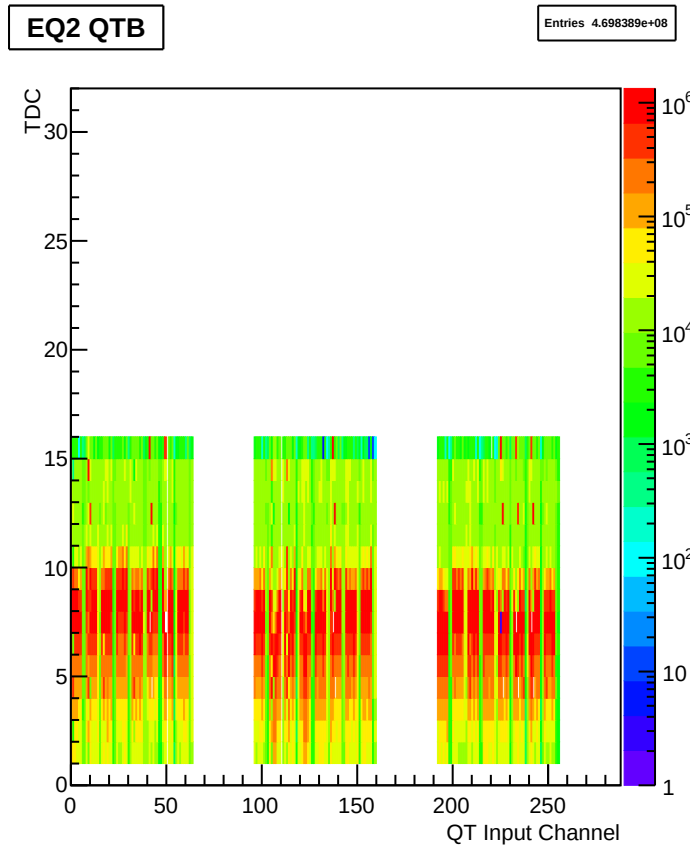

EQ1 QTB
Entries 1.348151e+09
ADC
QT Input Channel

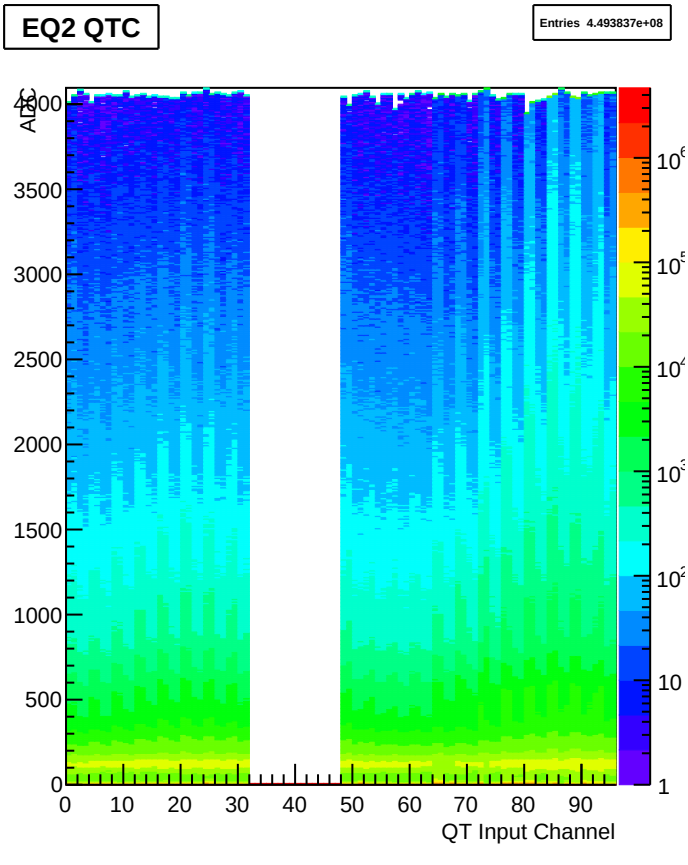

EQ1 QTB
Entries 2.063902e+08
TDC
QT Input Channel

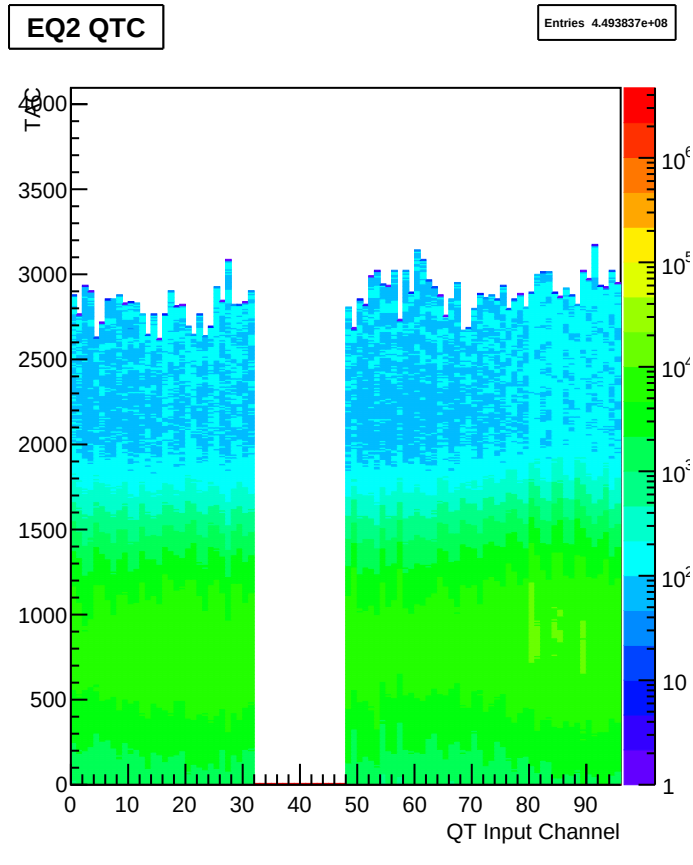

EQ1 QTC
Entries 4.493837e+08
ADC
QT Input Channel

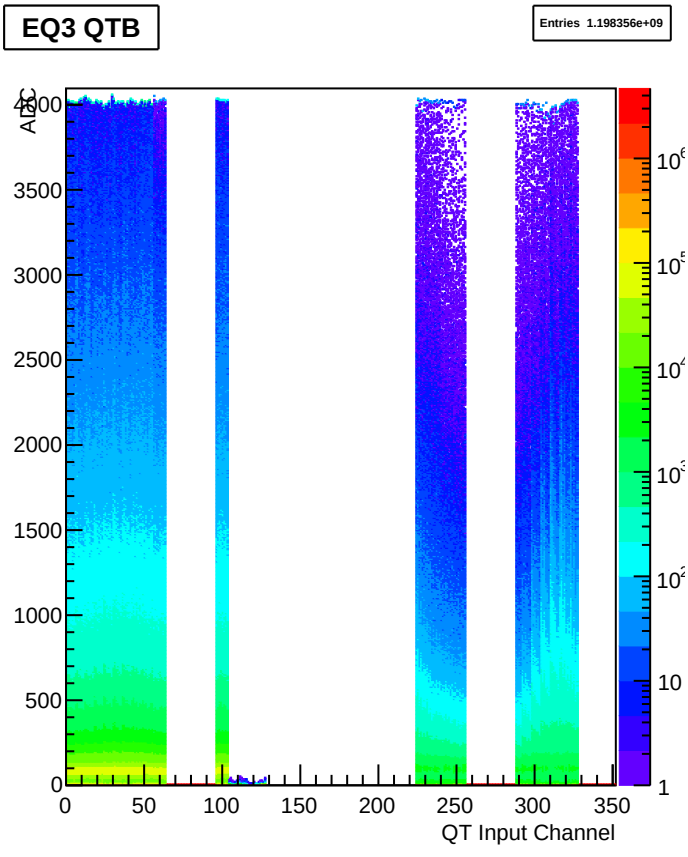

EQ1 QTC
Entries 4.493837e+08
TADC
QT Input Channel

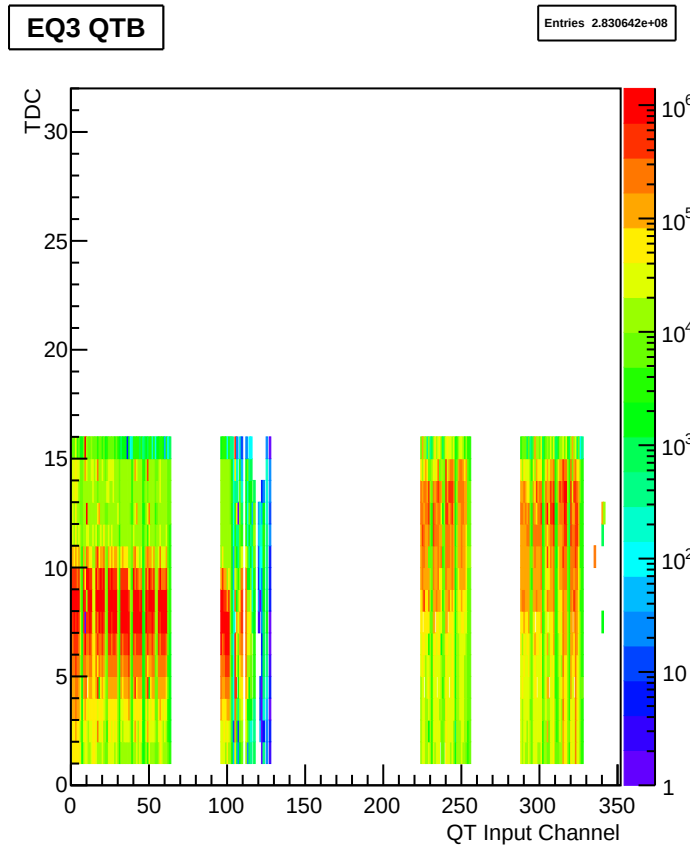

EQ2 QTB
Entries 1.348151e+09
ADC
QT Input Channel

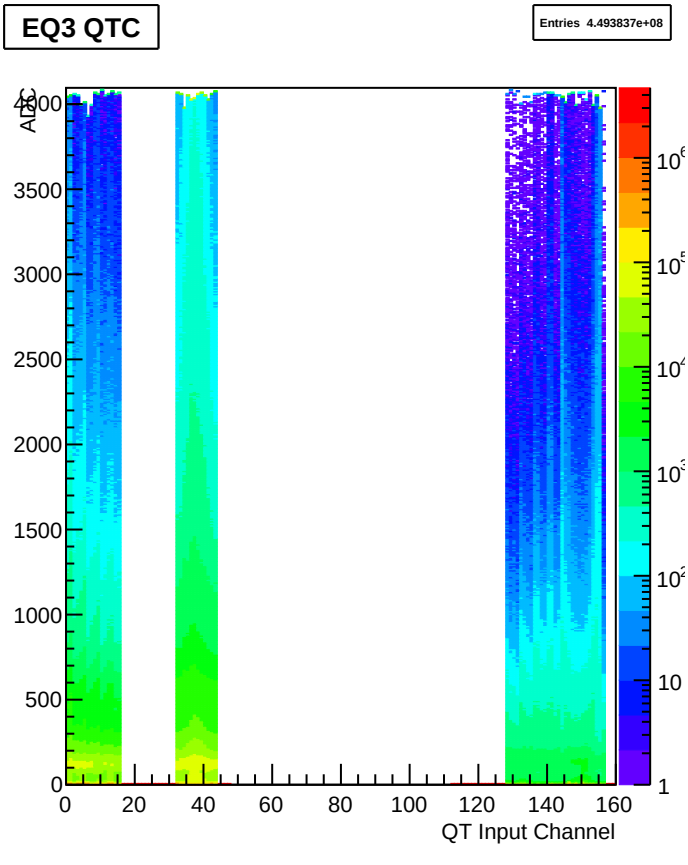

EQ2 QTB
Entries 4.698389e+08
TDC
QT Input Channel

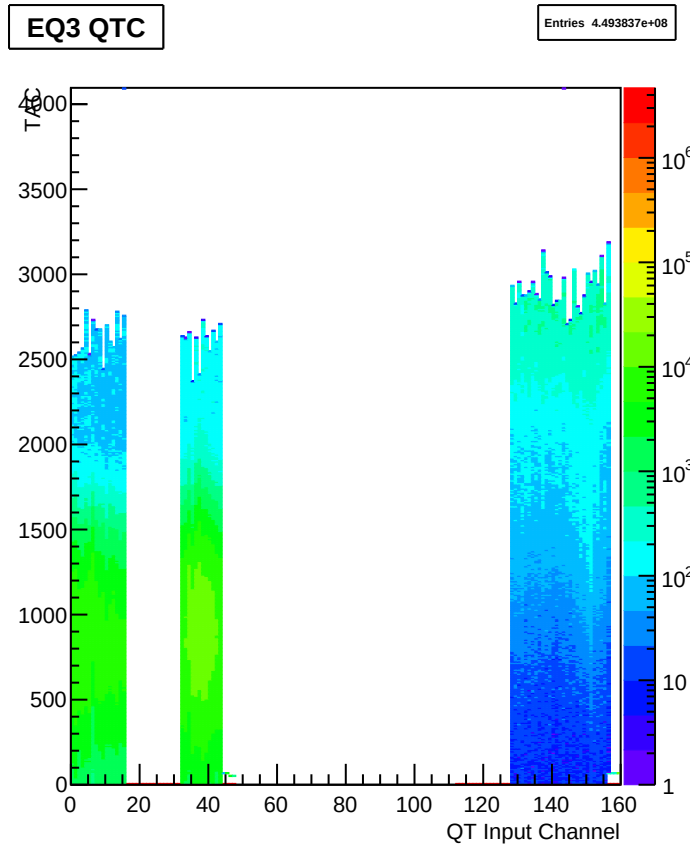

EQ2 QTC
Entries 4.493837e+08
ADC
QT Input Channel

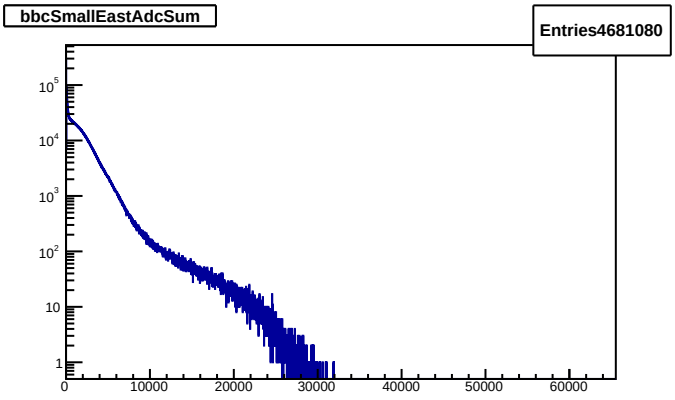

EQ2 QTC
Entries 4.493837e+08
TADC
QT Input Channel

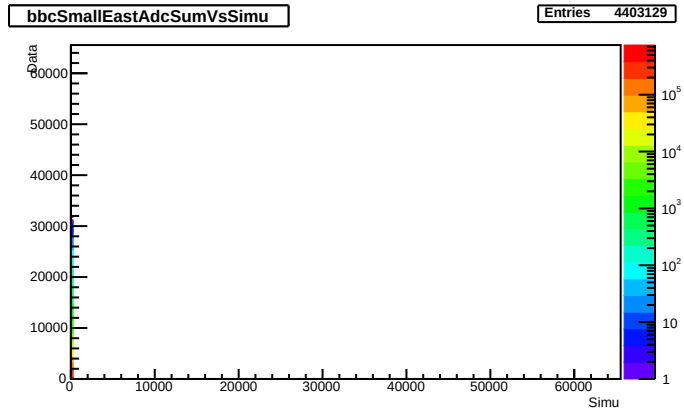

EQ3 QTB
Entries 1.198356e+09
ADC
QT Input Channel

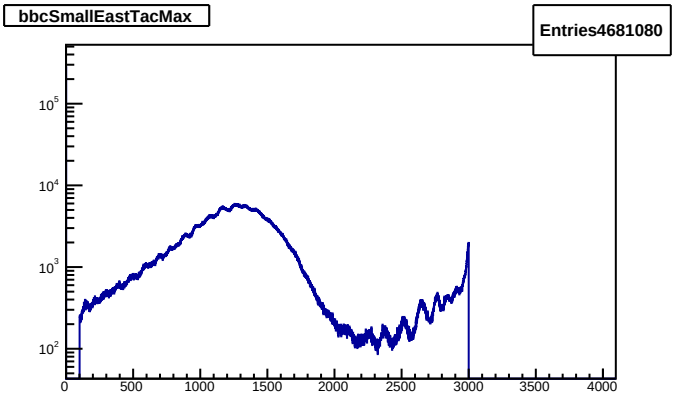

EQ3 QTB
Entries 2.830642e+08
TDC
QT Input Channel

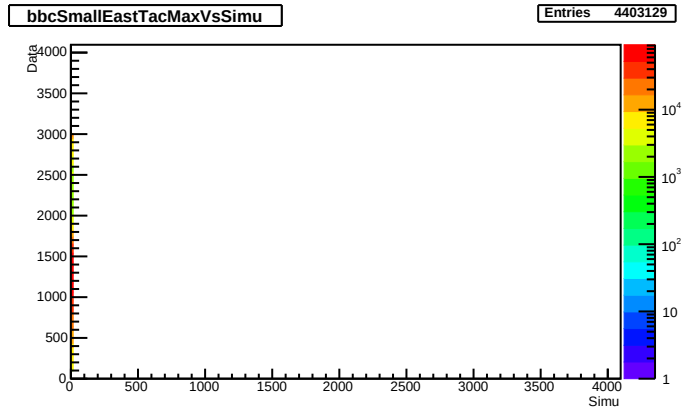

EQ3 QTC
Entries 4.493837e+08
ADC
QT Input Channel

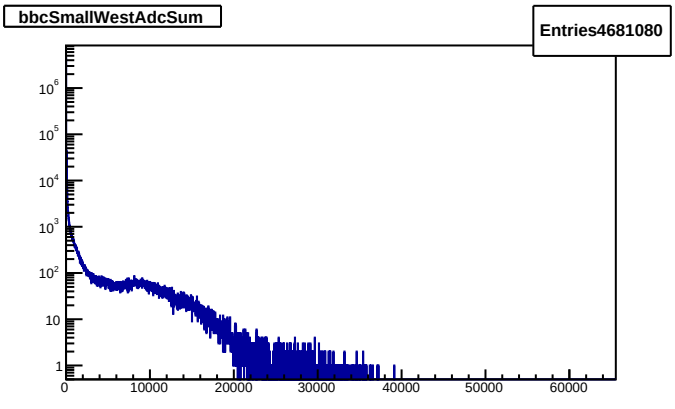

EQ3 QTC
Entries 4.493837e+08
TADC
QT Input Channel

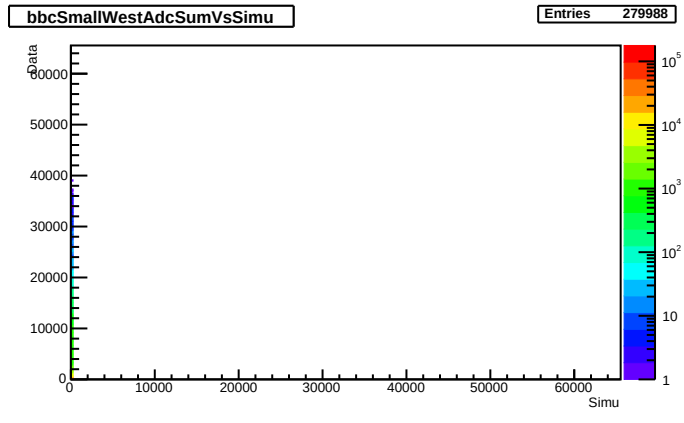

bbcSmallEastAdcSum
Entries4681080

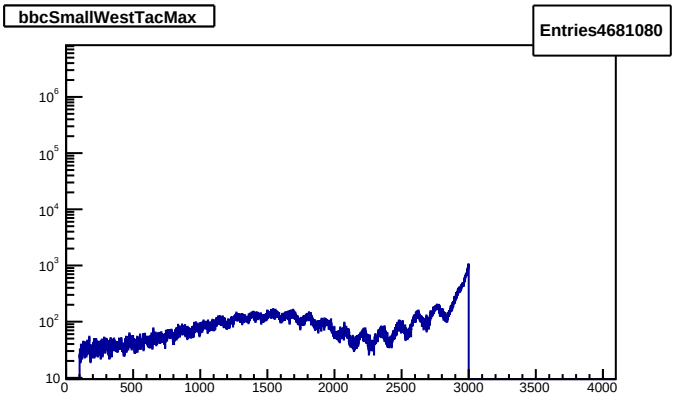

bbcSmallEastAdcSumVsSimu
Entries 4403129
Data
Simu

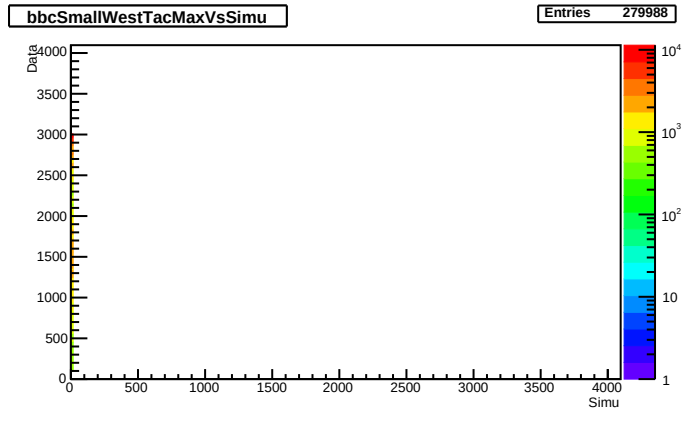

bbcSmallEastTacMax
Entries4681080

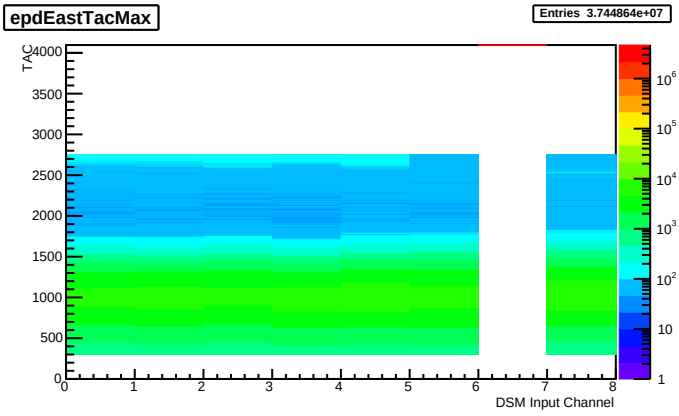

bbcSmallEastTacMaxVsSimu
Entries 4403129
Data
Simu

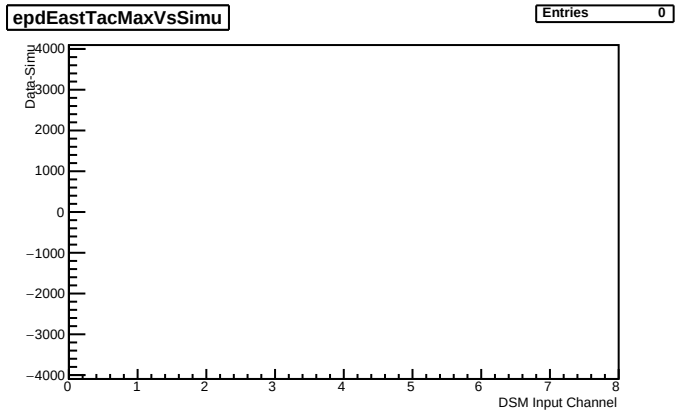

bbcSmallWestAdcSum
Entries4681080

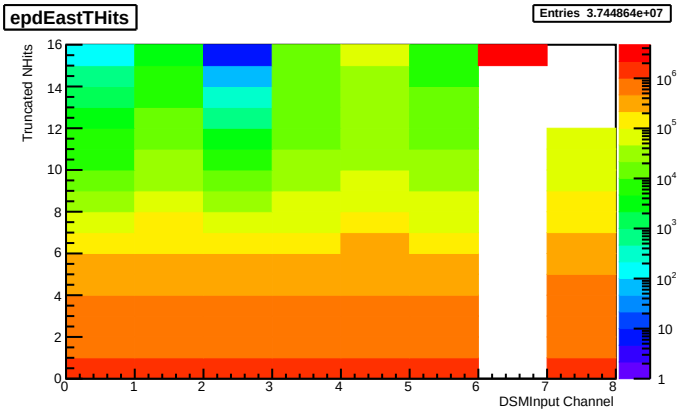

bbcSmallWestAdcSumVsSimu
Entries 279988
Data
Simu

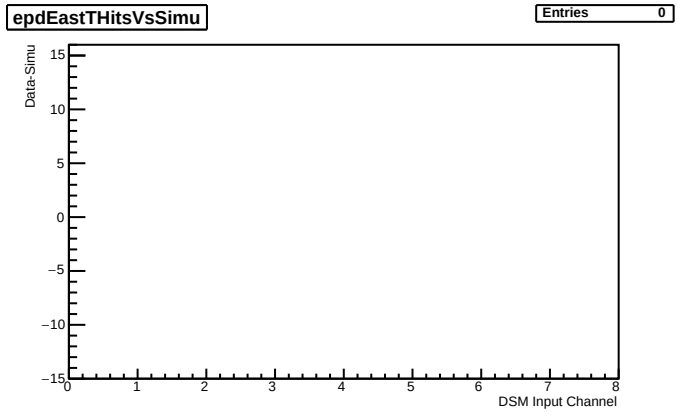

bbcSmallWestTacMax
Entries4681080

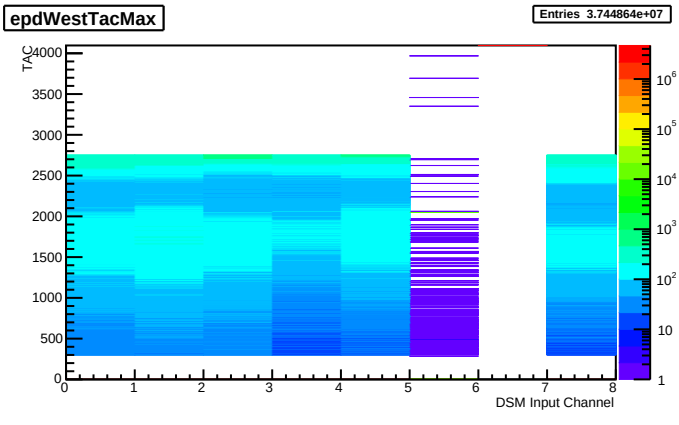

bbcSmallWestTacMaxVsSimu
Entries 279988
Data
Simu

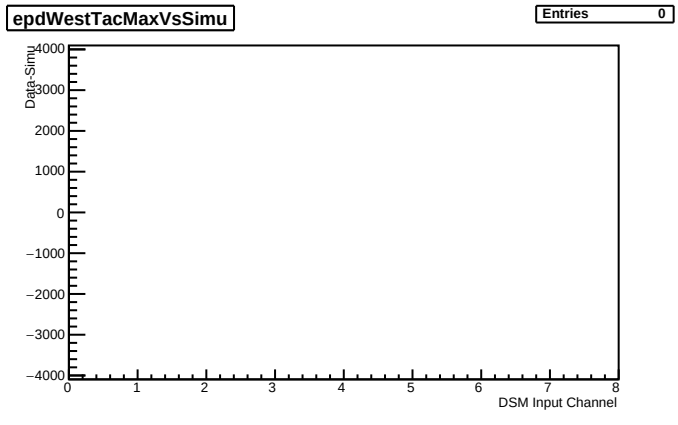

epdEastTacMax
Entries 3.744864e+07
TAC
DSM Input Channel

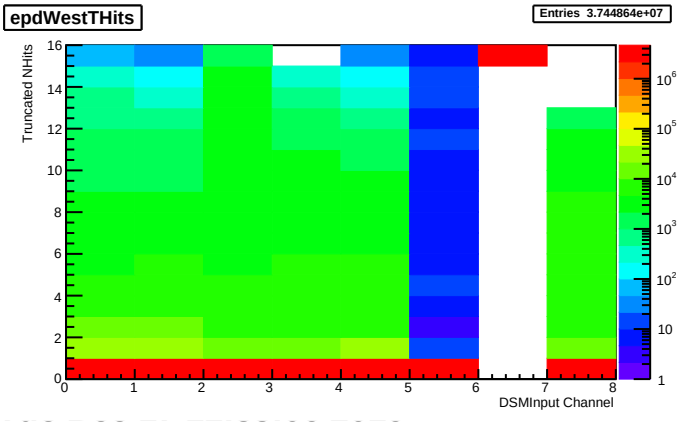

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

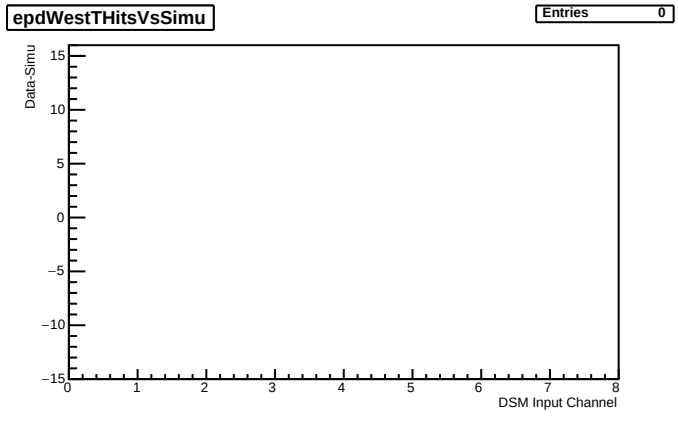

epdEastTHits
Entries 3.744864e+07
Truncated NHits
DSMInput Channel

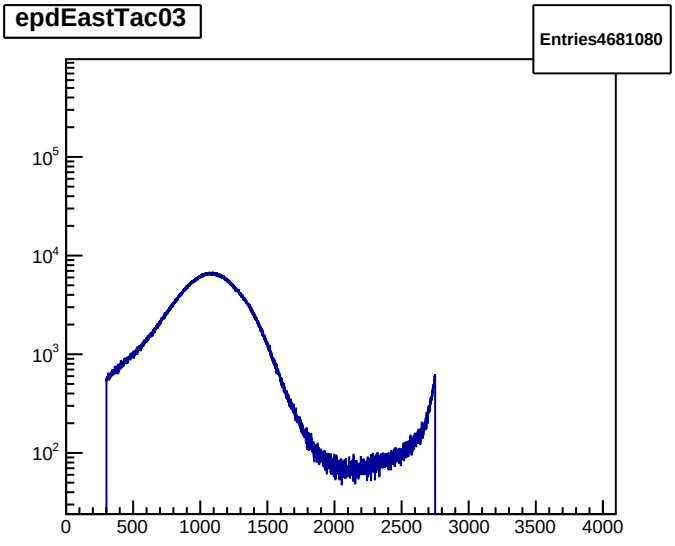

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

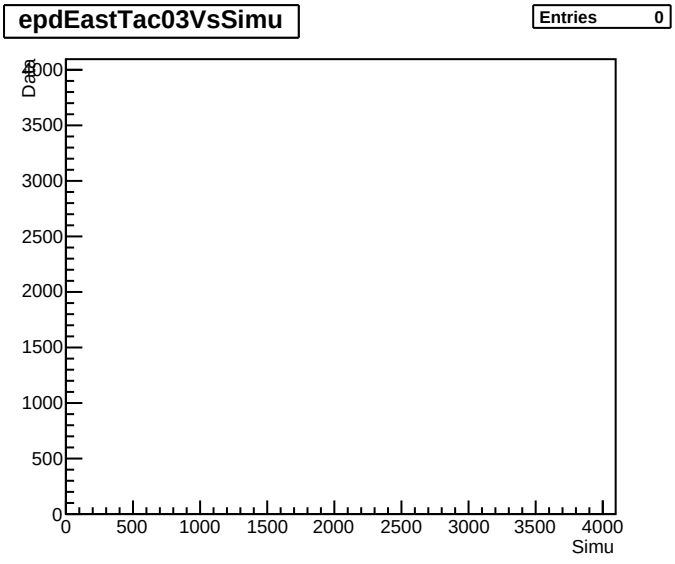

epdWestTacMax
Entries 3.744864e+07
TAC
DSM Input Channel

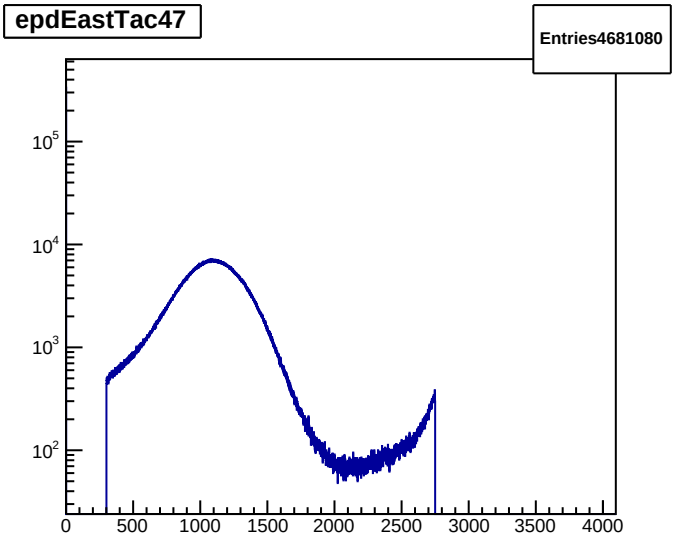

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

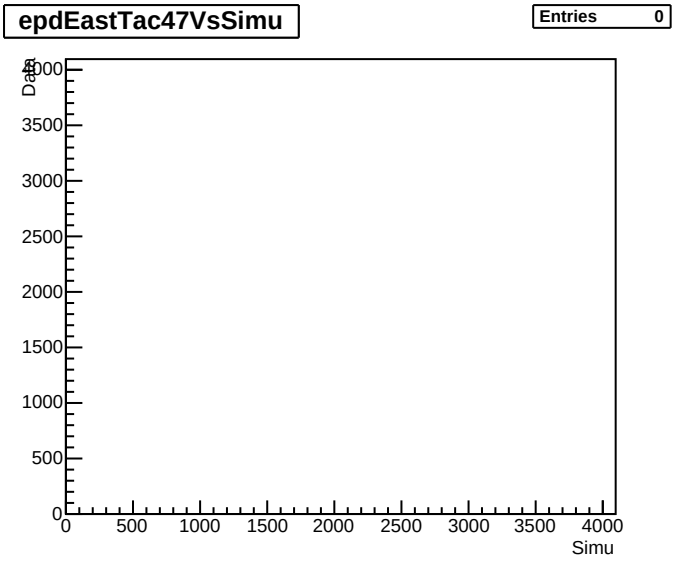

epdWestTHits
Entries 3.744864e+07
Truncated NHits
DSMInput Channel

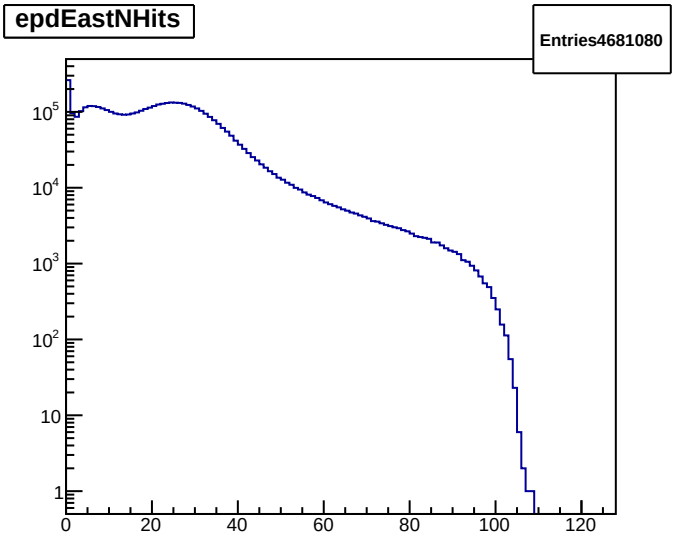

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

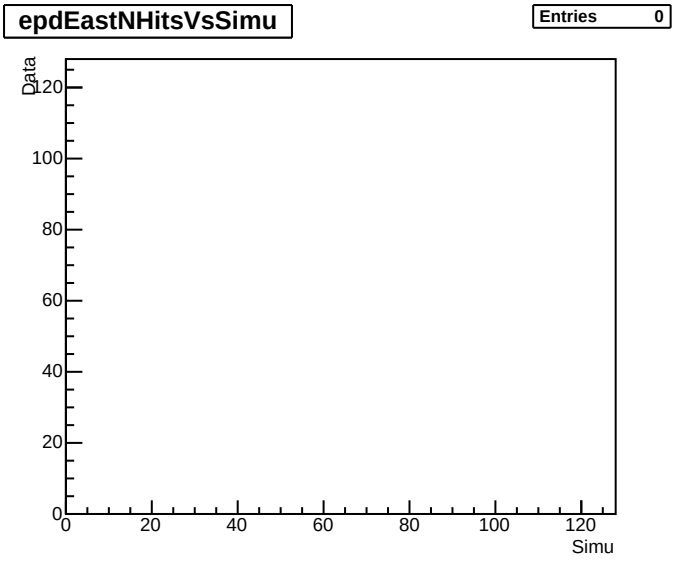

epdEastTac03
Entries4681080
10^5
10^4
10^3
10^2
0 500 1000 1500 2000 2500 3000 3500 4000

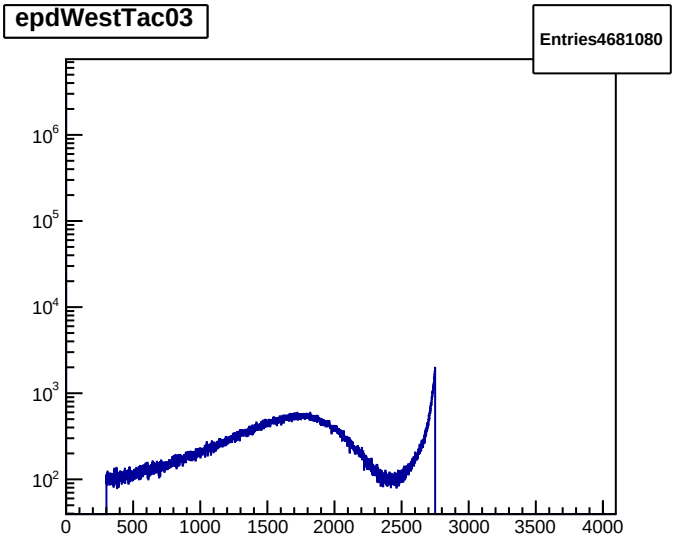

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

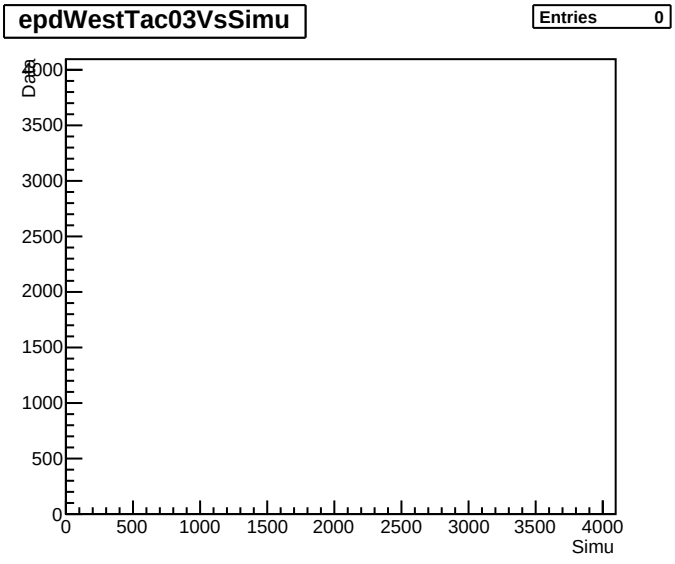

epdEastTac47
Entries4681080
10^5
10^4
10^3
10^2
0 500 1000 1500 2000 2500 3000 3500 4000

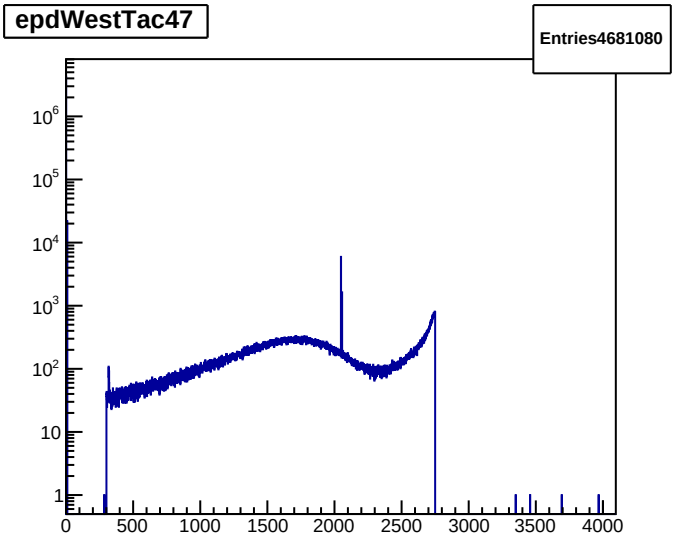

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

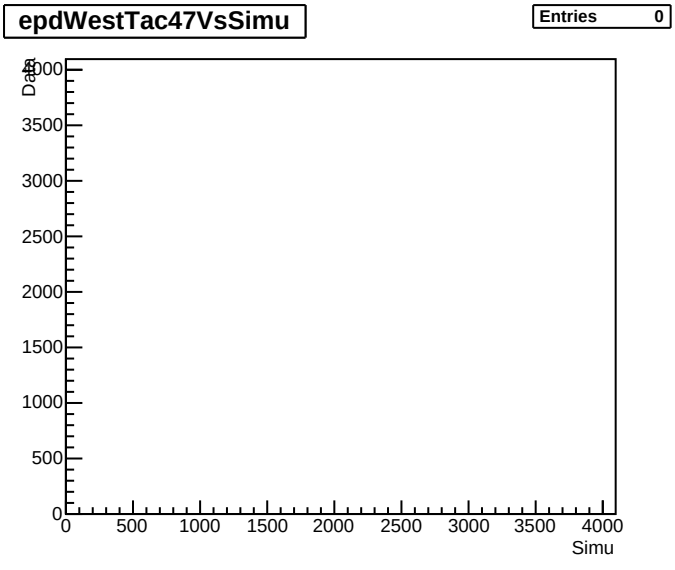

epdEastNHits
Entries4681080
10^5
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

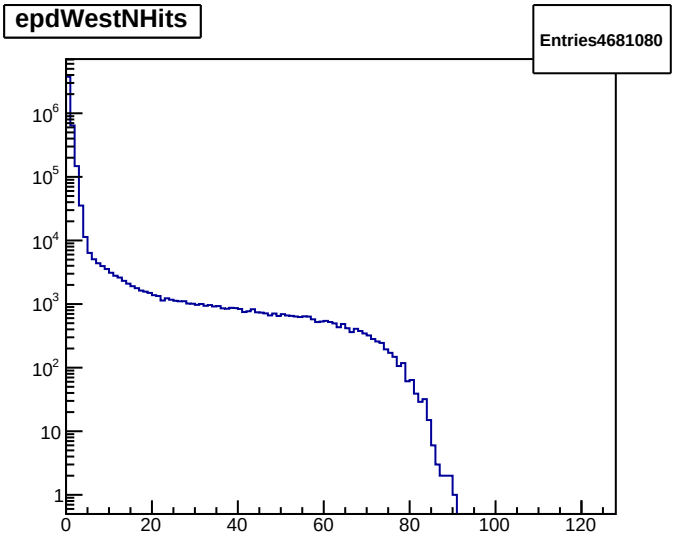

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

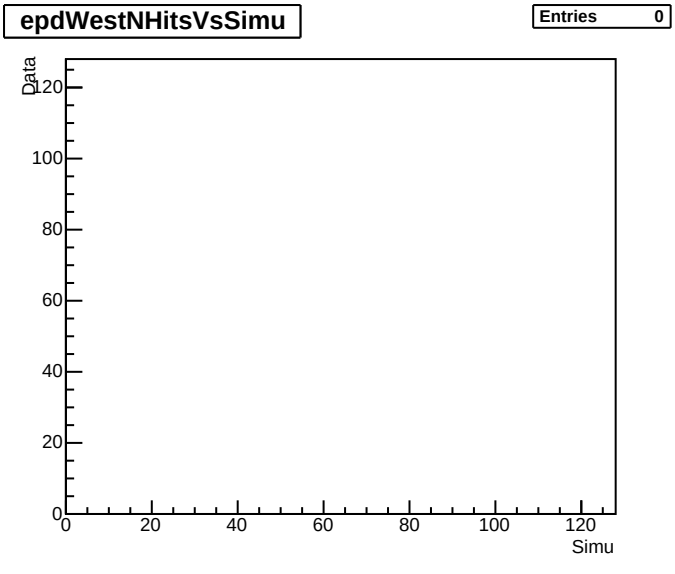

epdWestTac03
Entries4681080

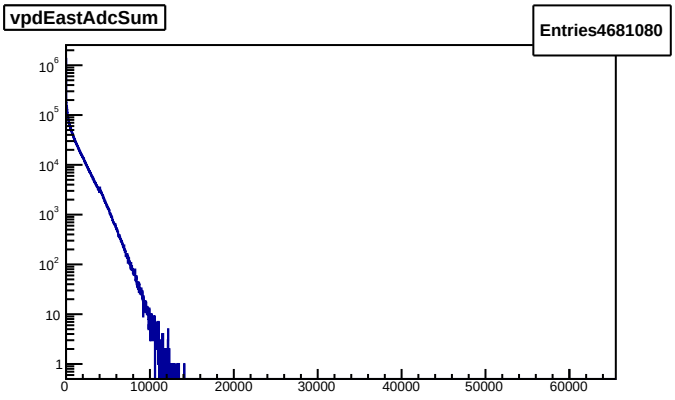

epdWestTac03VsSimu
Entries 0
Data
Simu

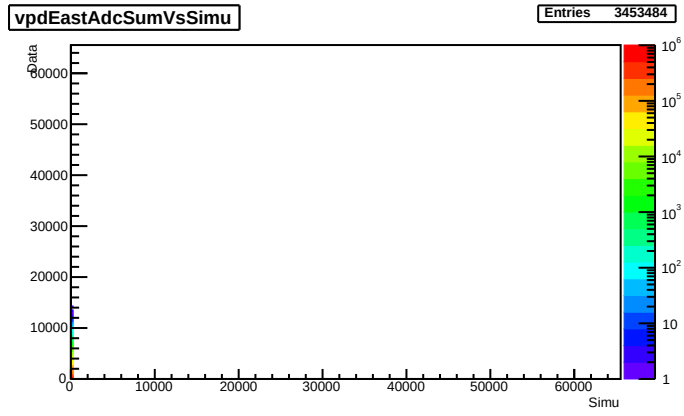

epdWestTac47
Entries4681080

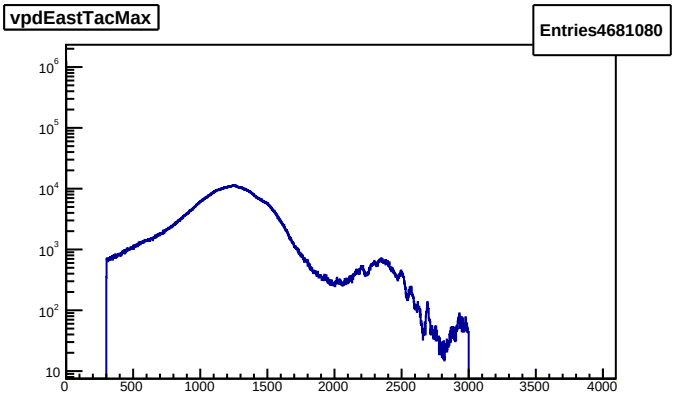

epdWestTac47VsSimu
Entries 0
Data
Simu

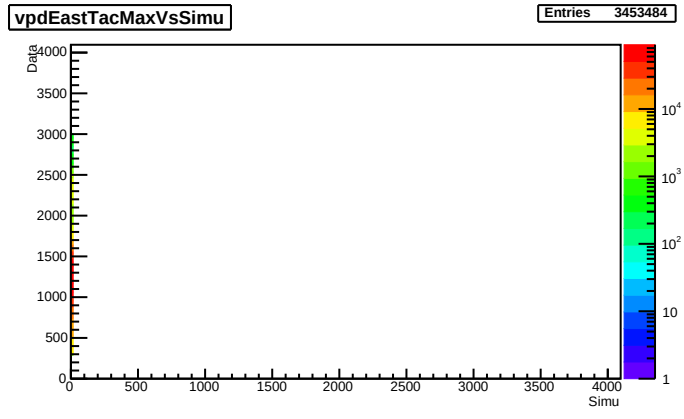

epdWestNHits
Entries4681080

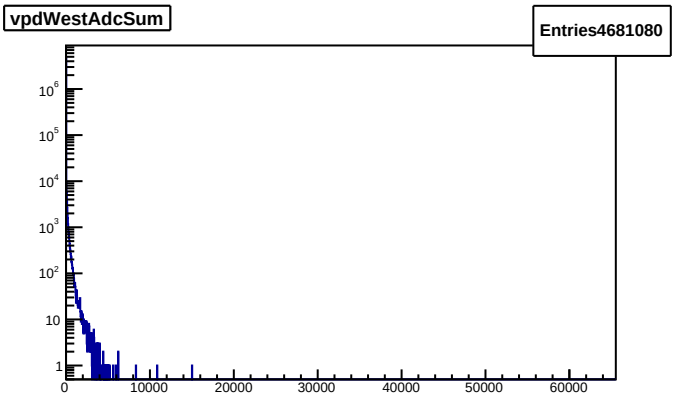

epdWestNHitsVsSimu
Entries 0
Data
Simu

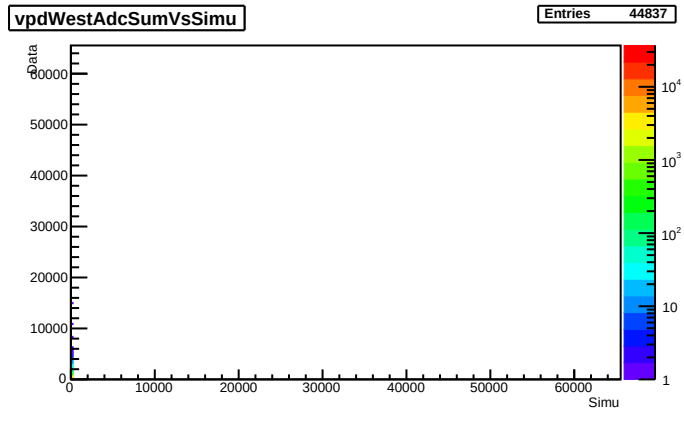

vpdEastAdcSum
Entries4681080

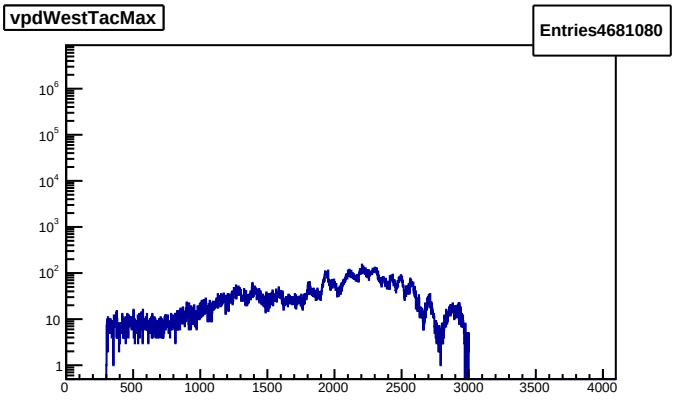

vpdEastAdcSumVsSimu
Entries 3453484
Data
Simu

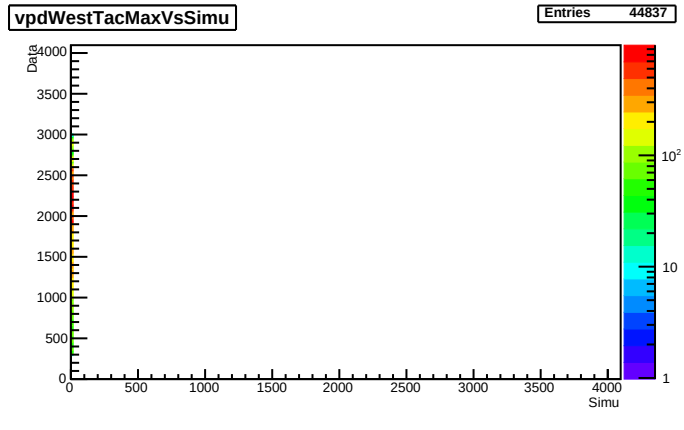

vpdEastTacMax
Entries4681080

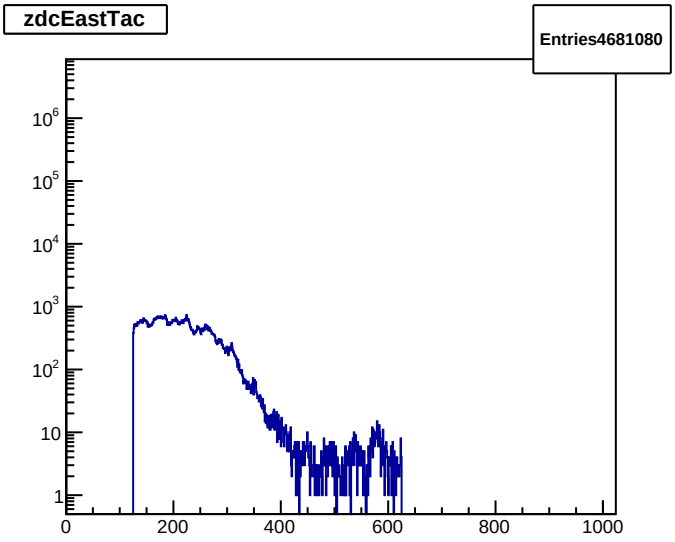

vpdEastTacMaxVsSimu
Entries 3453484
Data
Simu

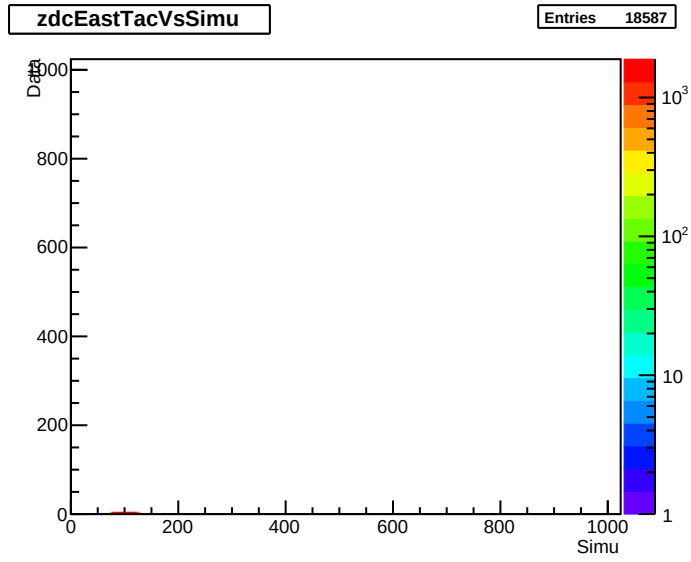

vpdWestAdcSum
Entries4681080

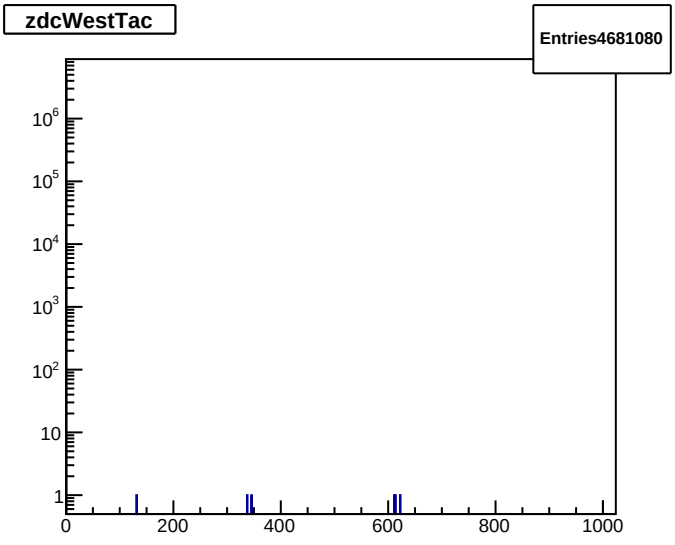

vpdWestAdcSumVsSimu
Entries 44837
Data
Simu

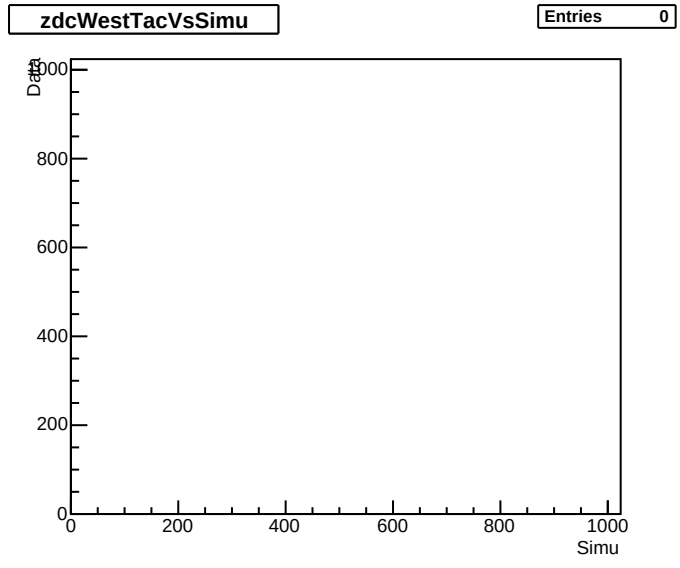

vpdWestTacMax
Entries4681080

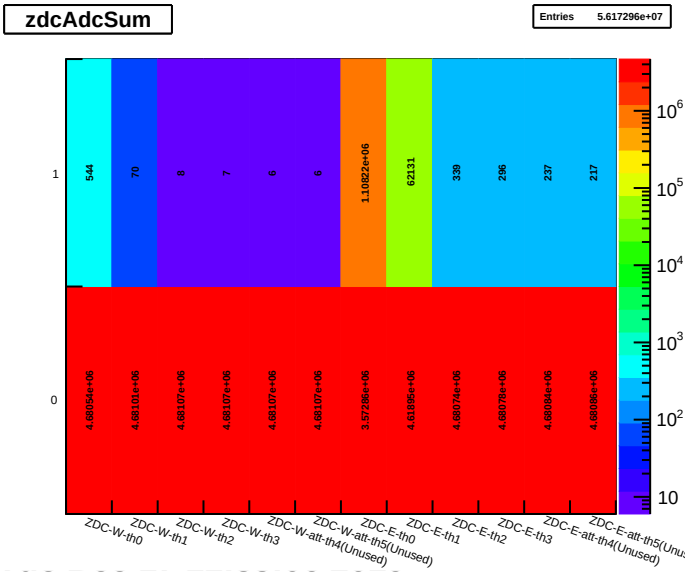

vpdWestTacMaxVsSimu
Entries 44837
Data
Simu

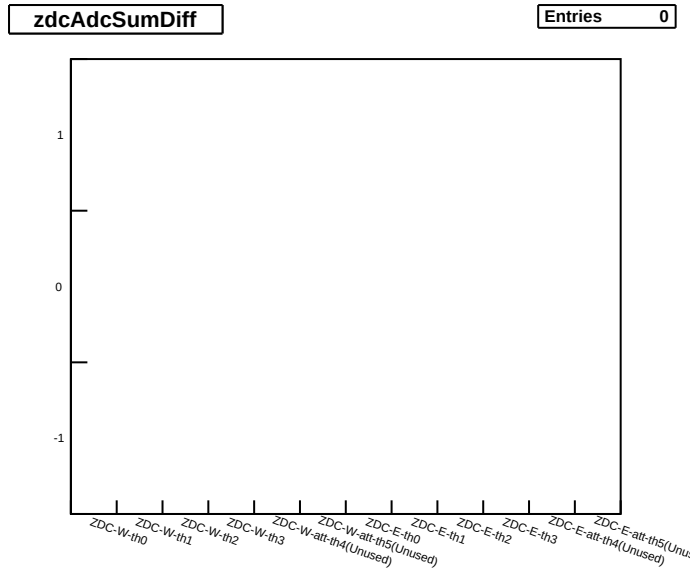

zdcEastTac
Entries4681080

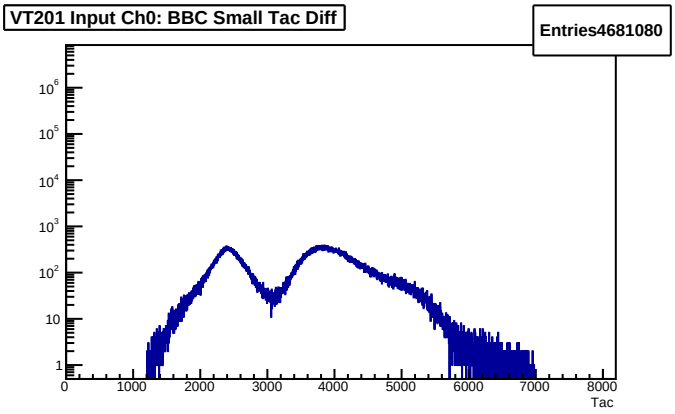

zdcEastTacVsSimu
Entries 18587
Data
Simu

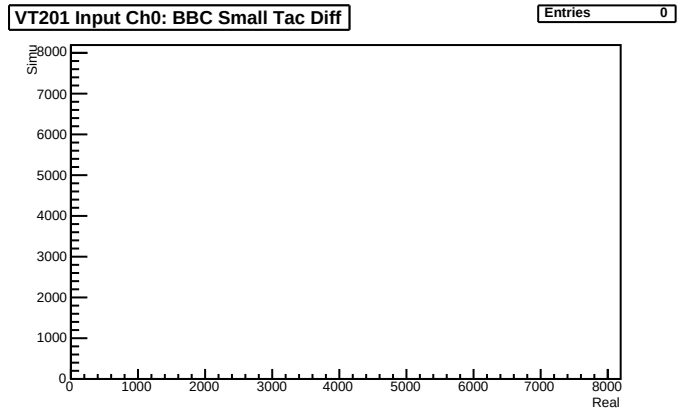

zdcWestTac
Entries4681080

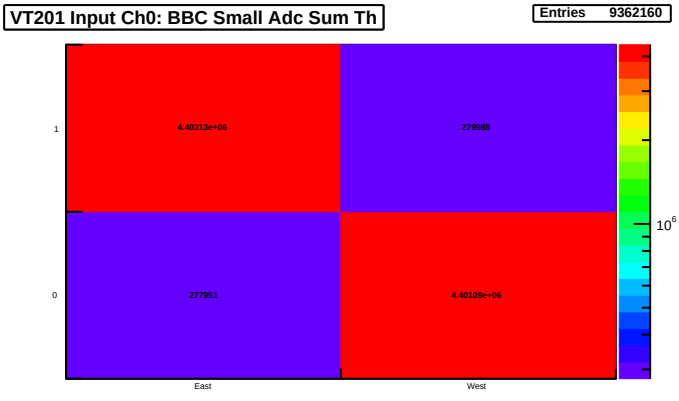

zdcWestTacVsSimu
Entries 0
Data
Simu

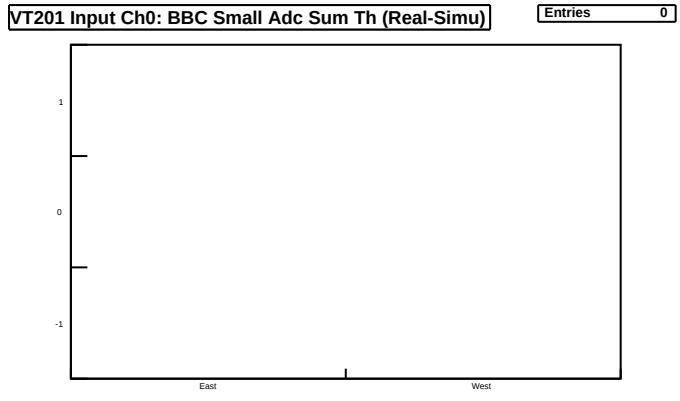

zdcAdcSum
Entries 5.617296e+07
544
70
8
7
6
6
1.10822e+06
62131
339
296
237
217
4.68054e+06
4.68101e+06
4.68107e+06
4.68107e+06
4.68107e+06
4.68107e+06
3.57286e+06
4.61895e+06
4.68074e+06
4.68078e+06
4.68094e+06
4.68086e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

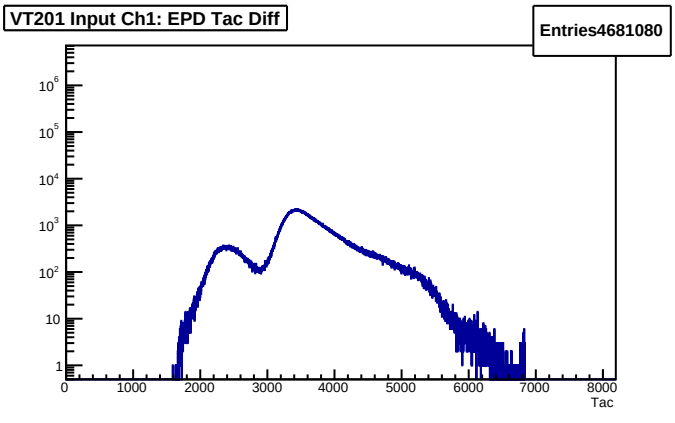

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

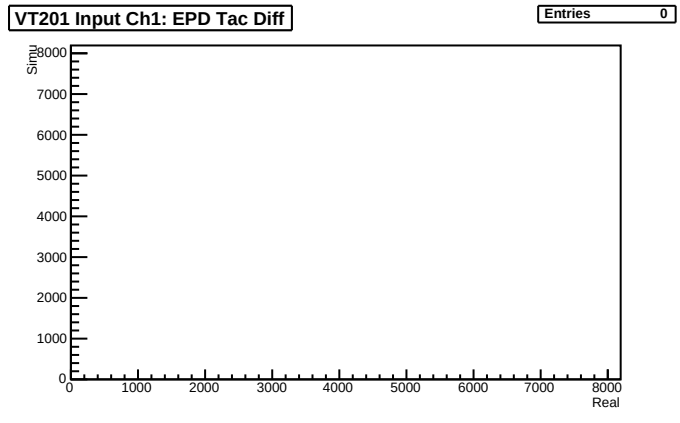

VT201 Input Ch0: BBC Small Tac Diff
Entries4681080
Tac

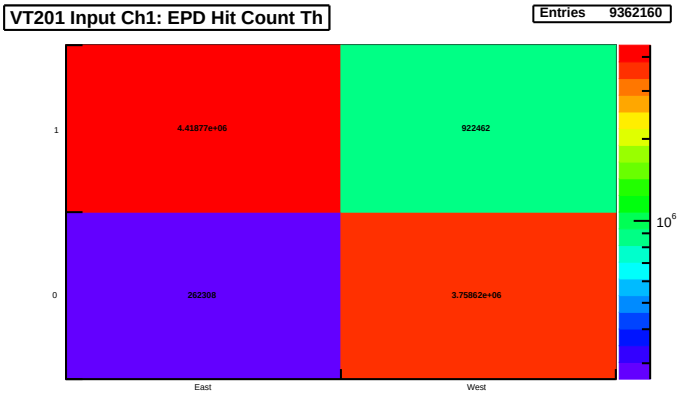

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

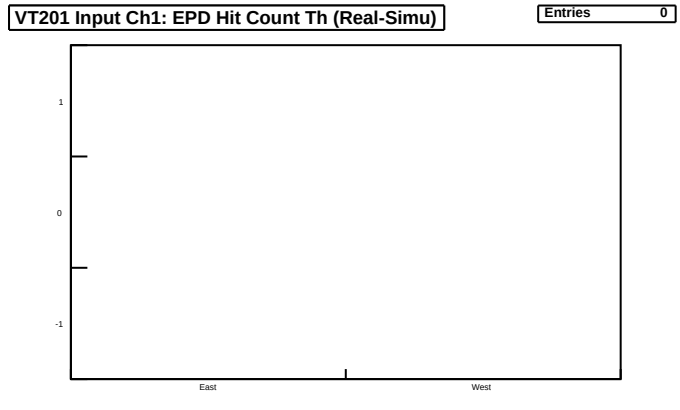

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 9362160
4.40313e+06
279988
277951
4.40109e+06
East
West

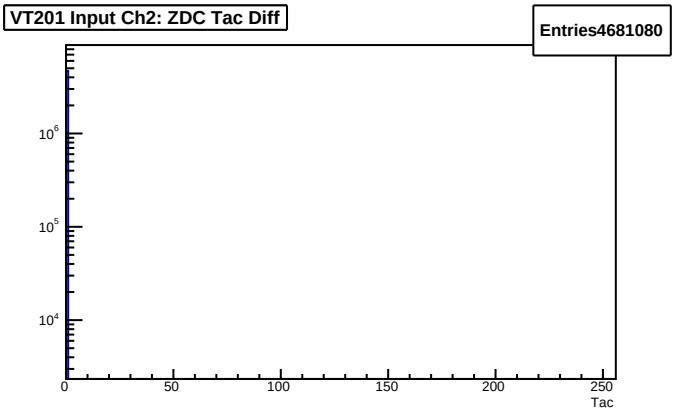

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

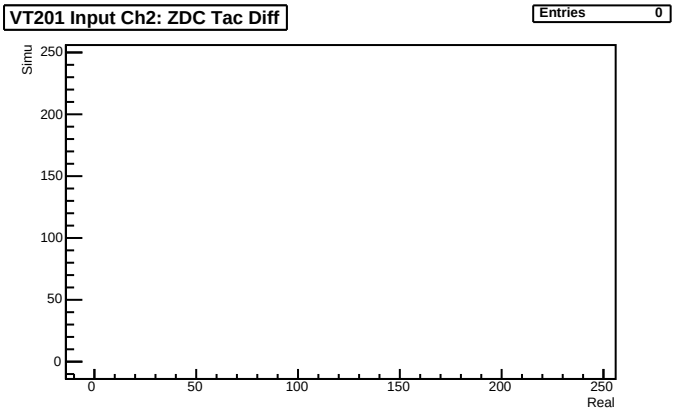

VT201 Input Ch1: EPD Tac Diff
Entries4681080
Tac

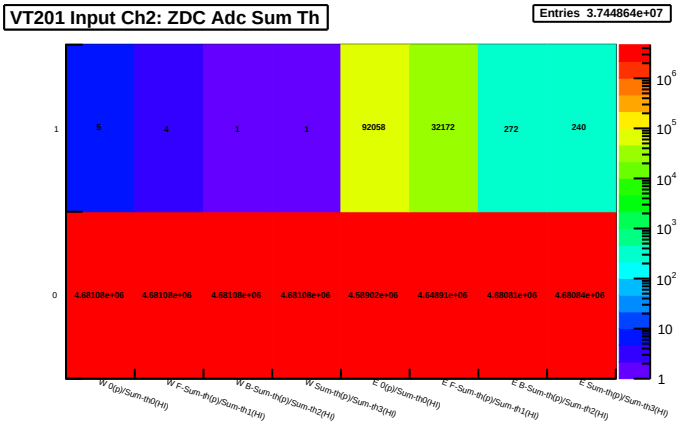

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

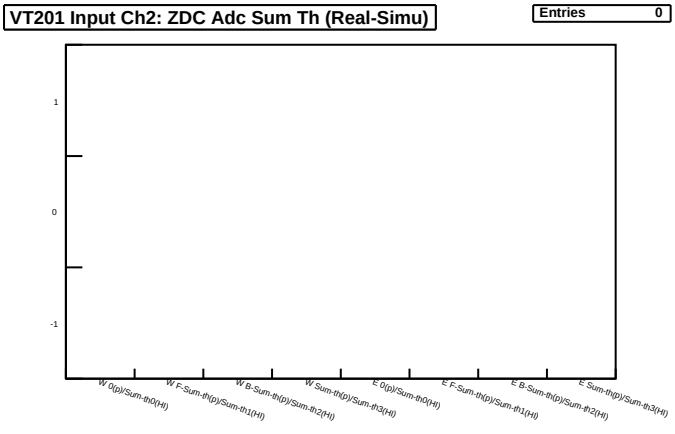

VT201 Input Ch1: EPD Hit Count Th
Entries 9362160
4.41877e+06
922462
262308
3.75862e+06
East
West

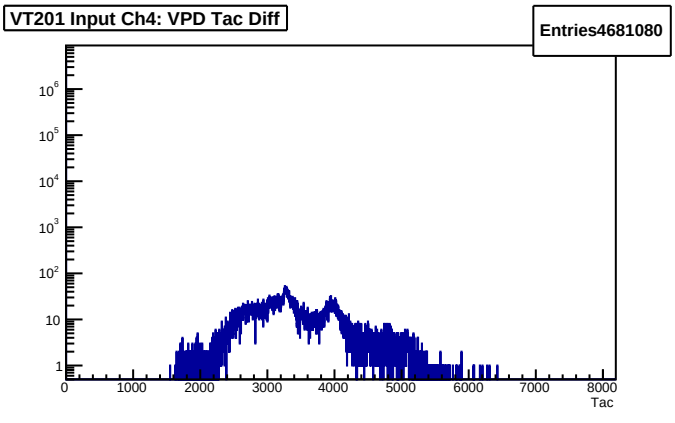

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

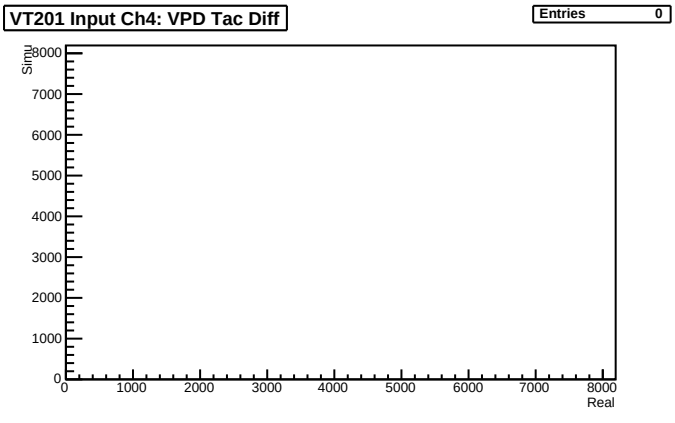

VT201 Input Ch2: ZDC Tac Diff
Entries4681080
Tac

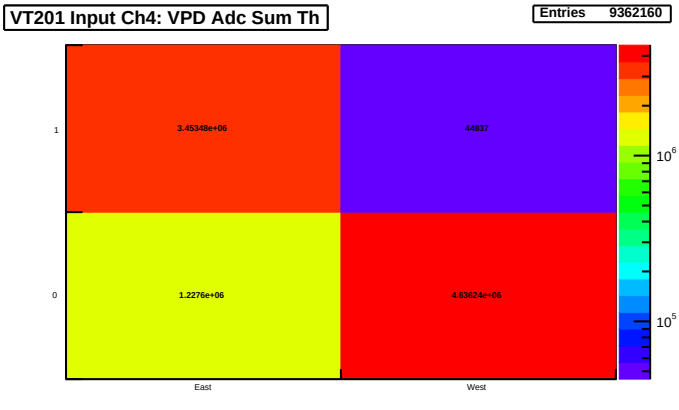

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

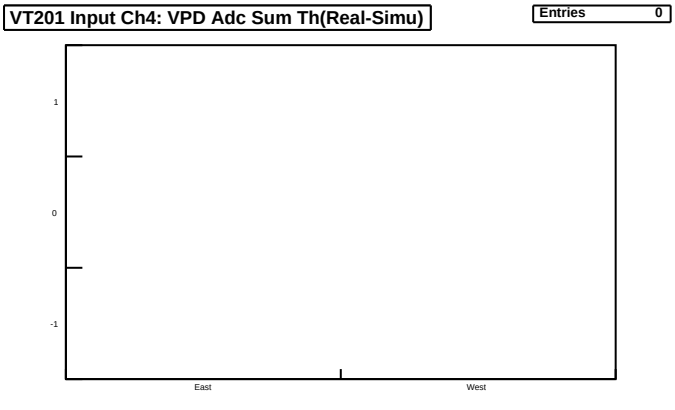

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3.744864e+07
5
4
1
1
92058
32172
272
240
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.58902e+06
4.64891e+06
4.68081e+06
4.68084e+06
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

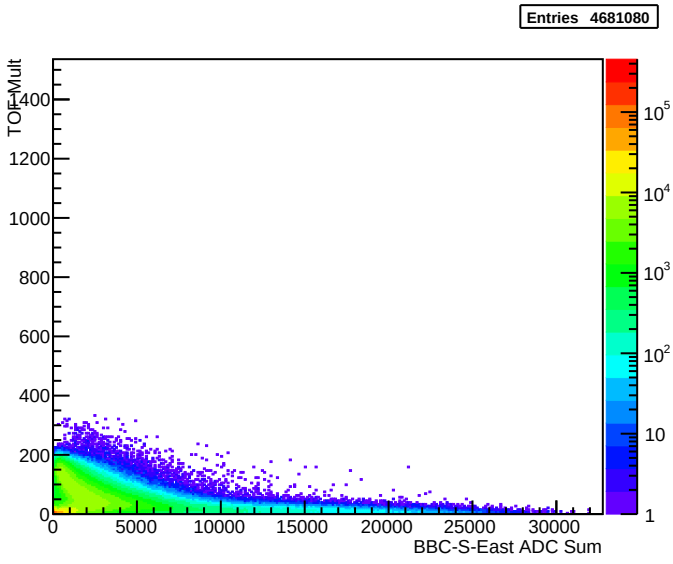

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

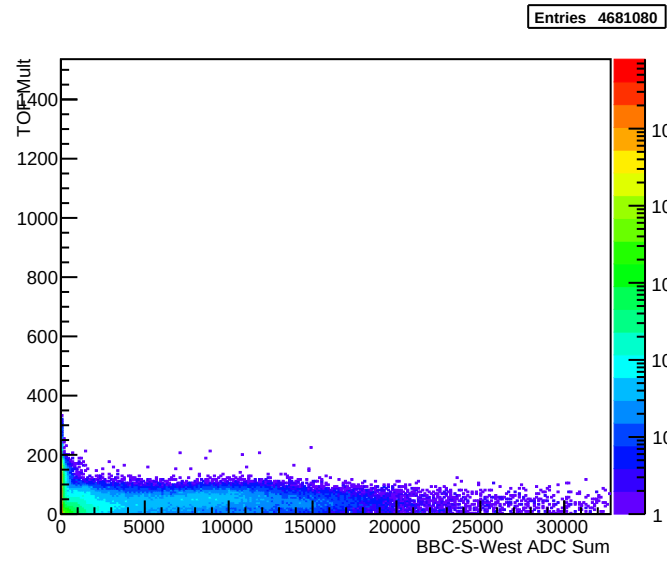

VT201 Input Ch4: VPD Tac Diff
Entries4681080
Tac

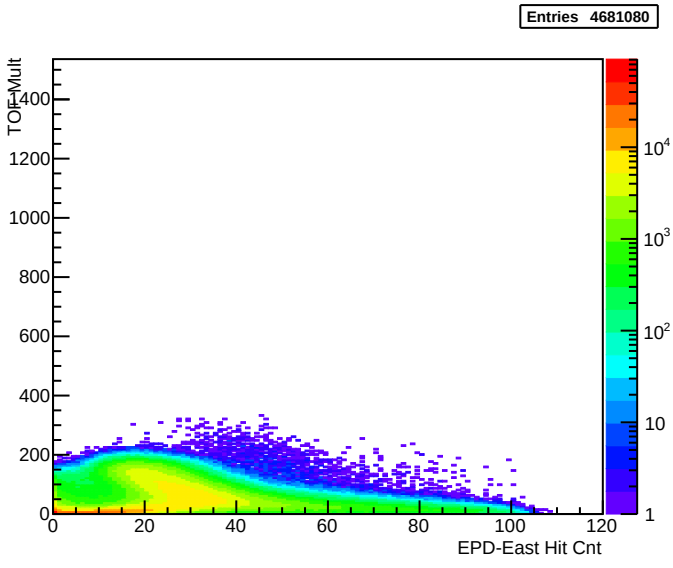

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

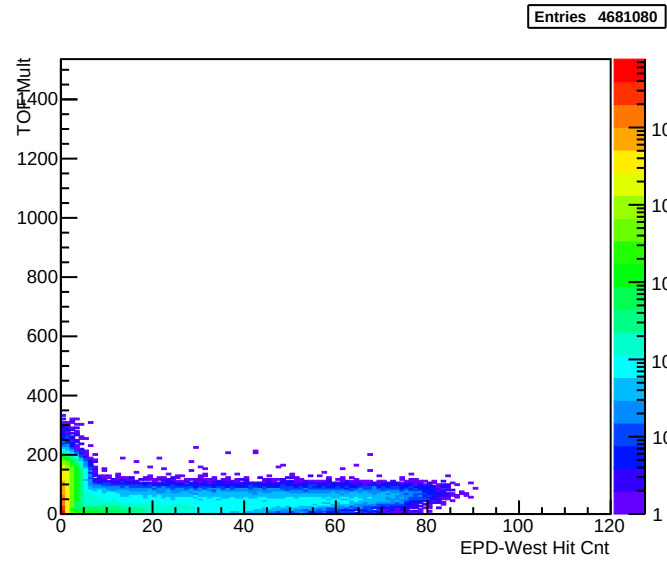

VT201 Input Ch4: VPD Adc Sum Th
Entries 9362160
3.45348e+06
44837
1.2276e+06
4.63624e+06
East
West

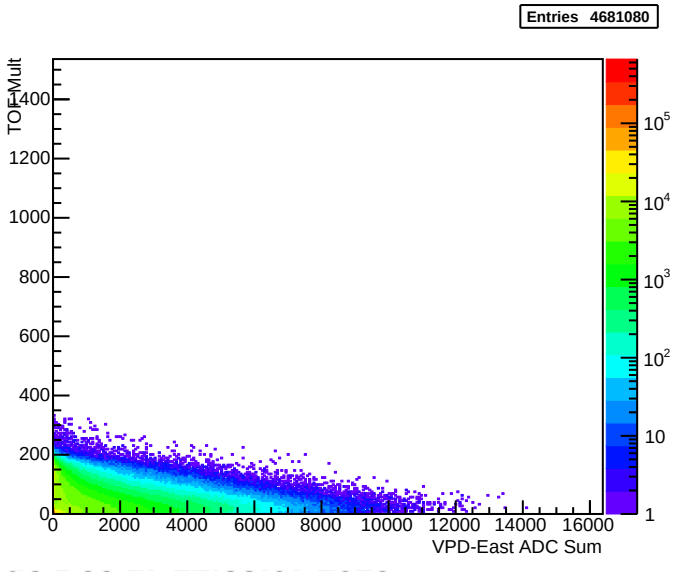

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

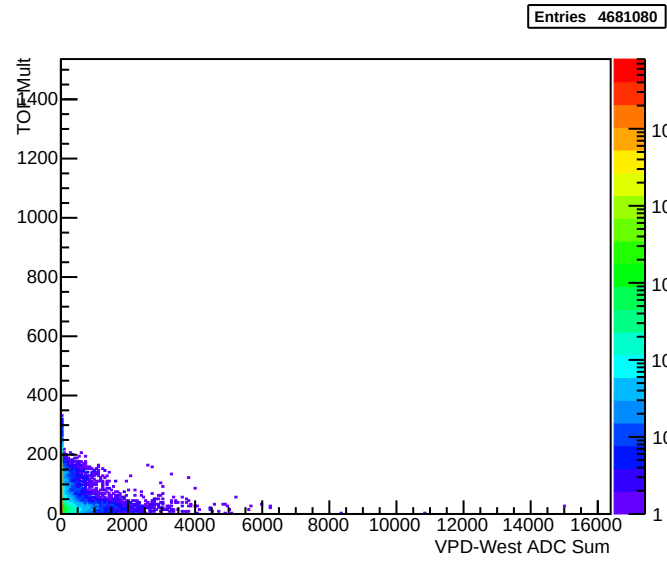

Entries 4681080
TOF-Mult
BBC-S-East ADC Sum

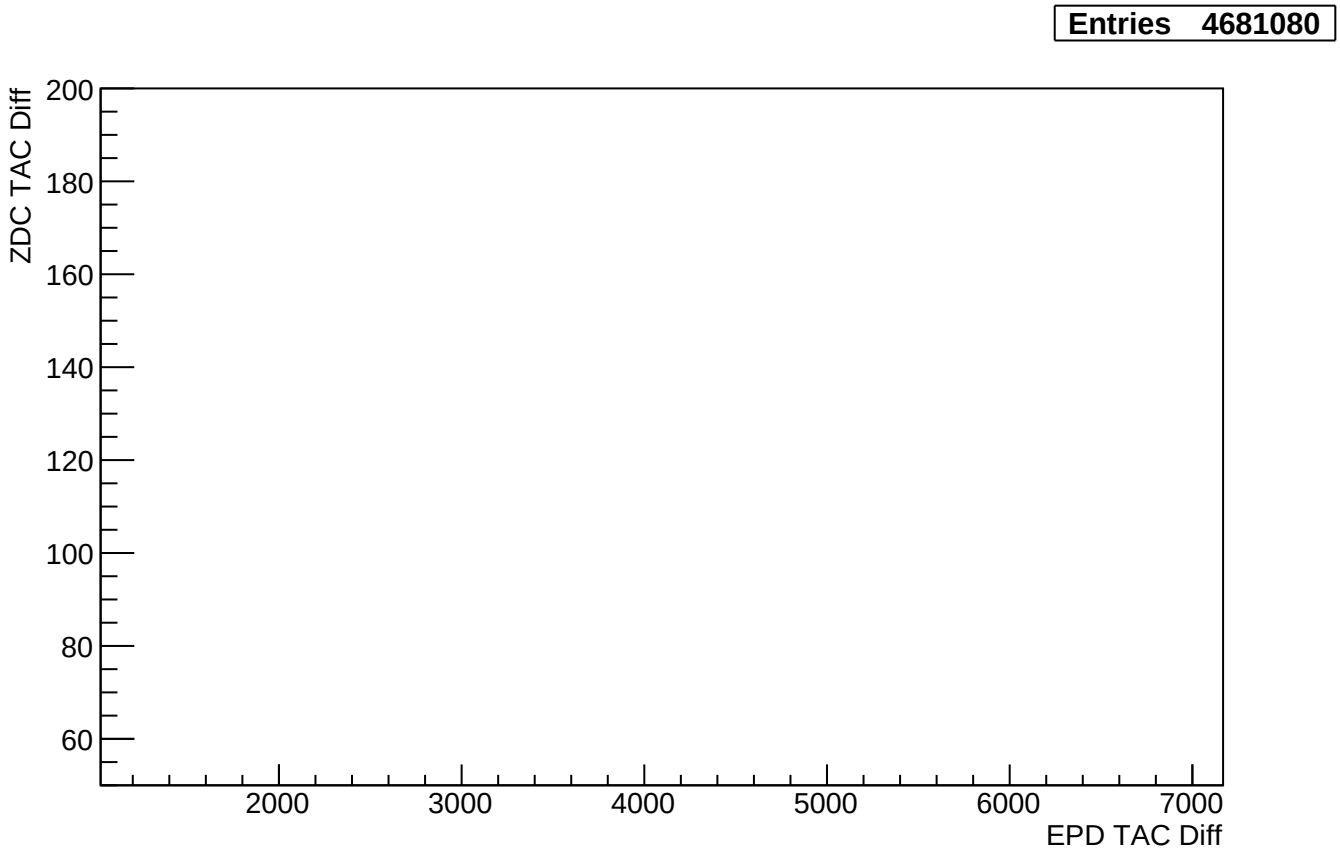

Entries 4681080
TOF-Mult
BBC-S-West ADC Sum

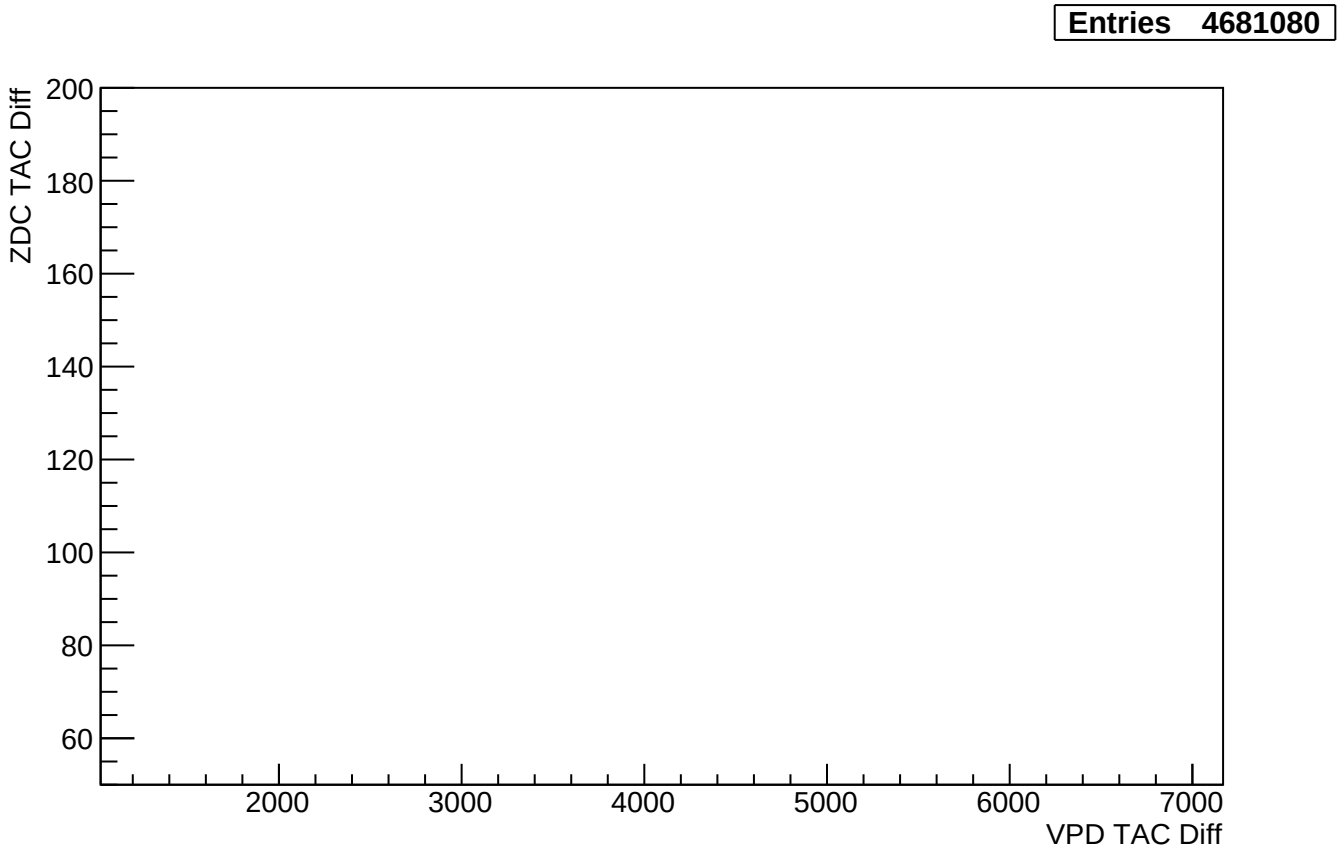

Entries 4681080
TOF-Mult
EPD-East Hit Cnt

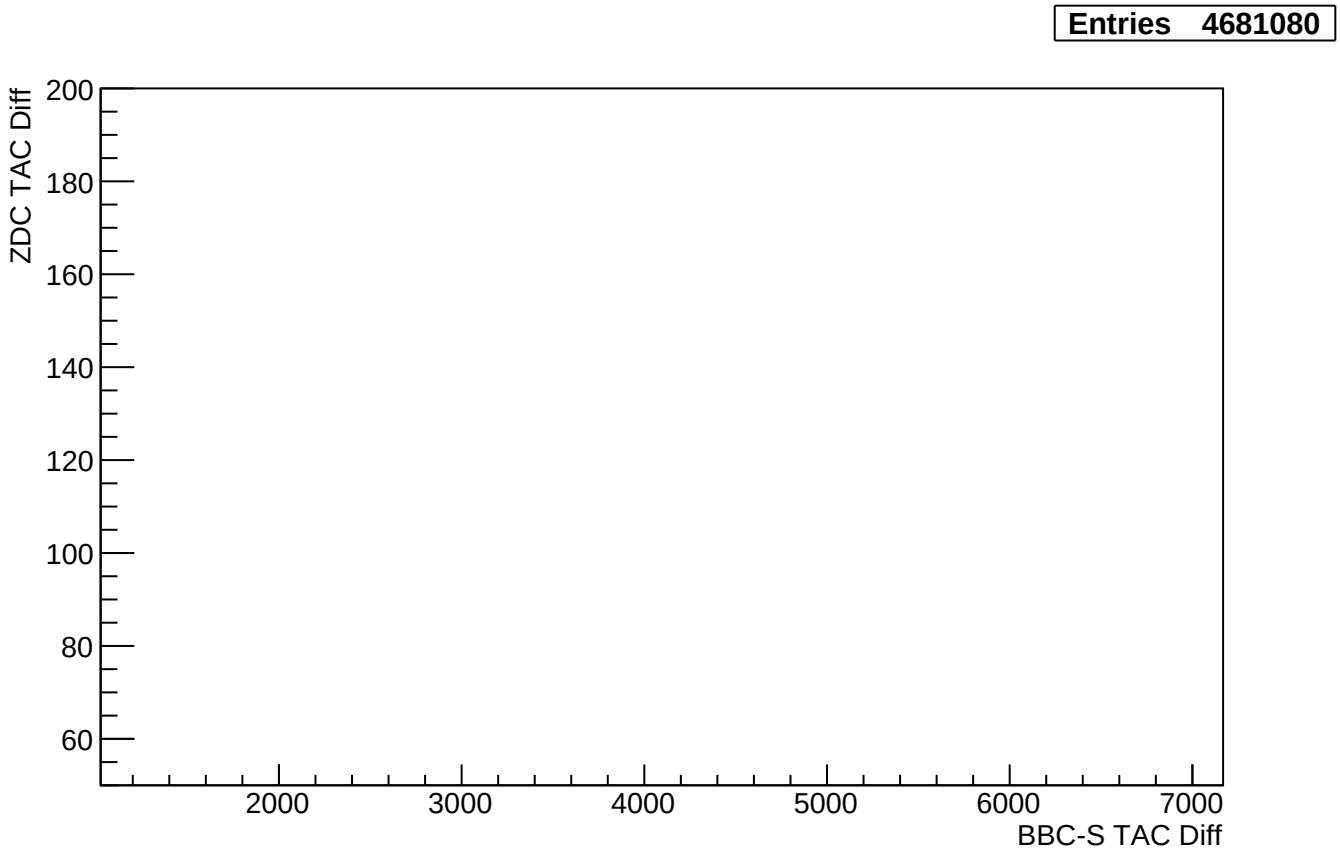

Entries 4681080
TOF-Mult
EPD-West Hit Cnt

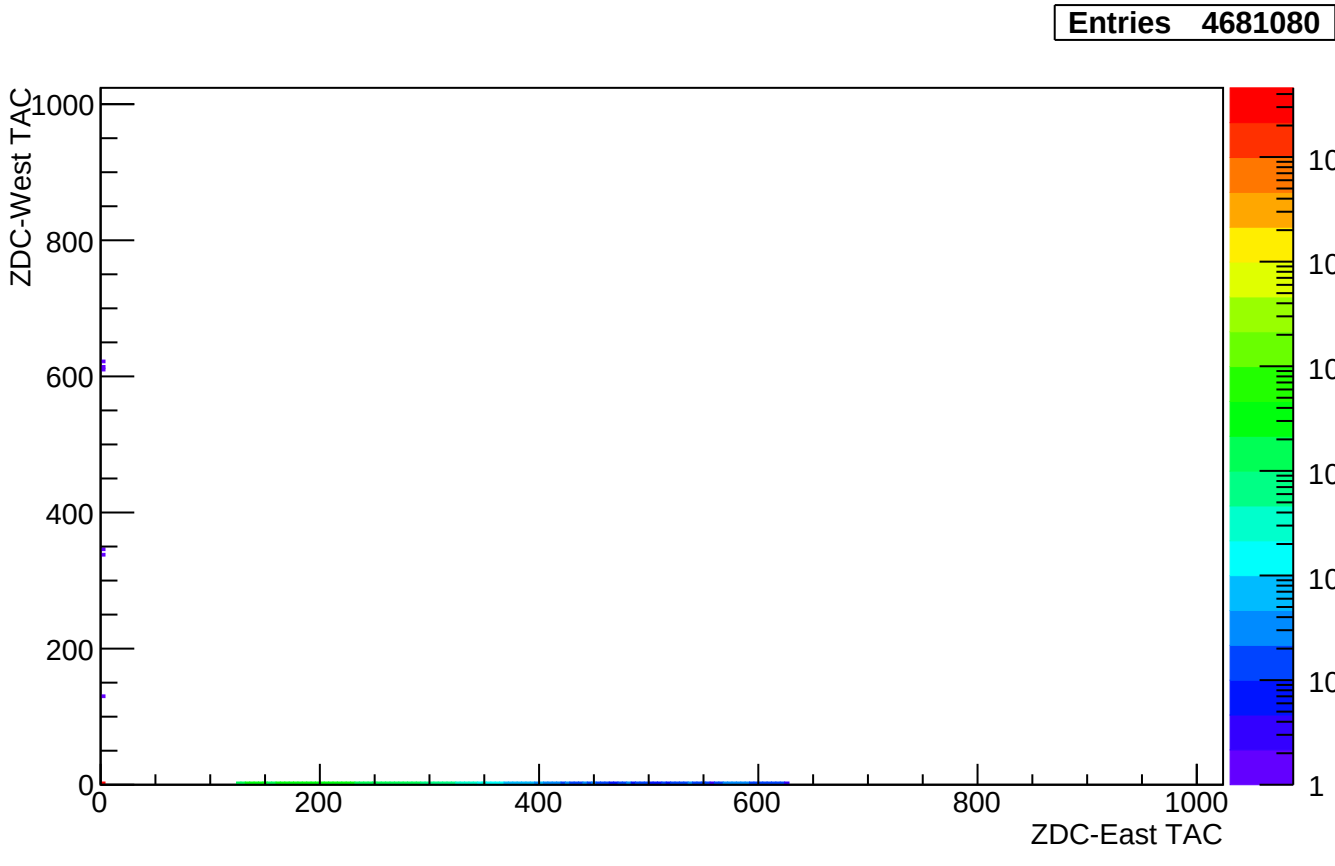

Entries 4681080
TOF-Mult
VPD-East ADC Sum

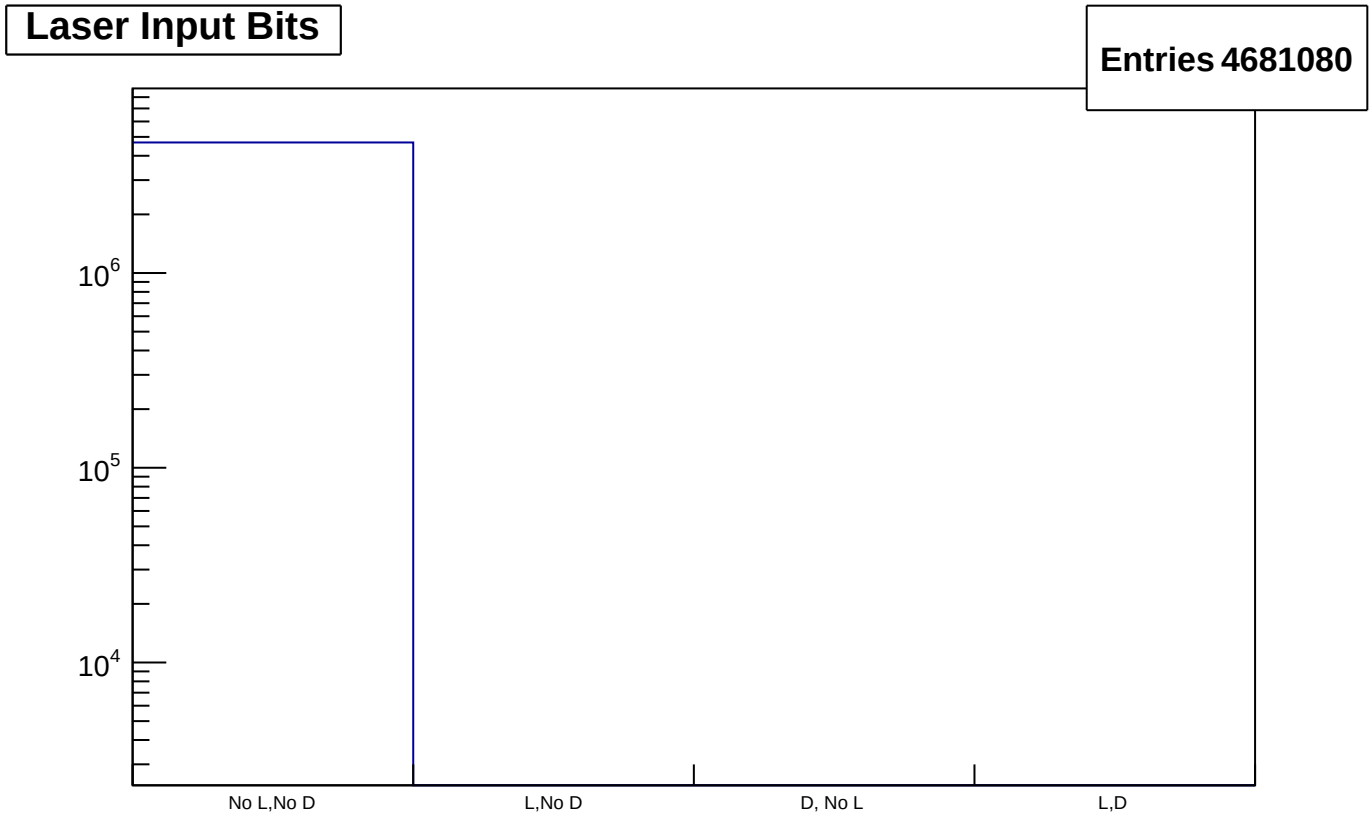

Entries 4681080
TOF-Mult
VPD-West ADC Sum

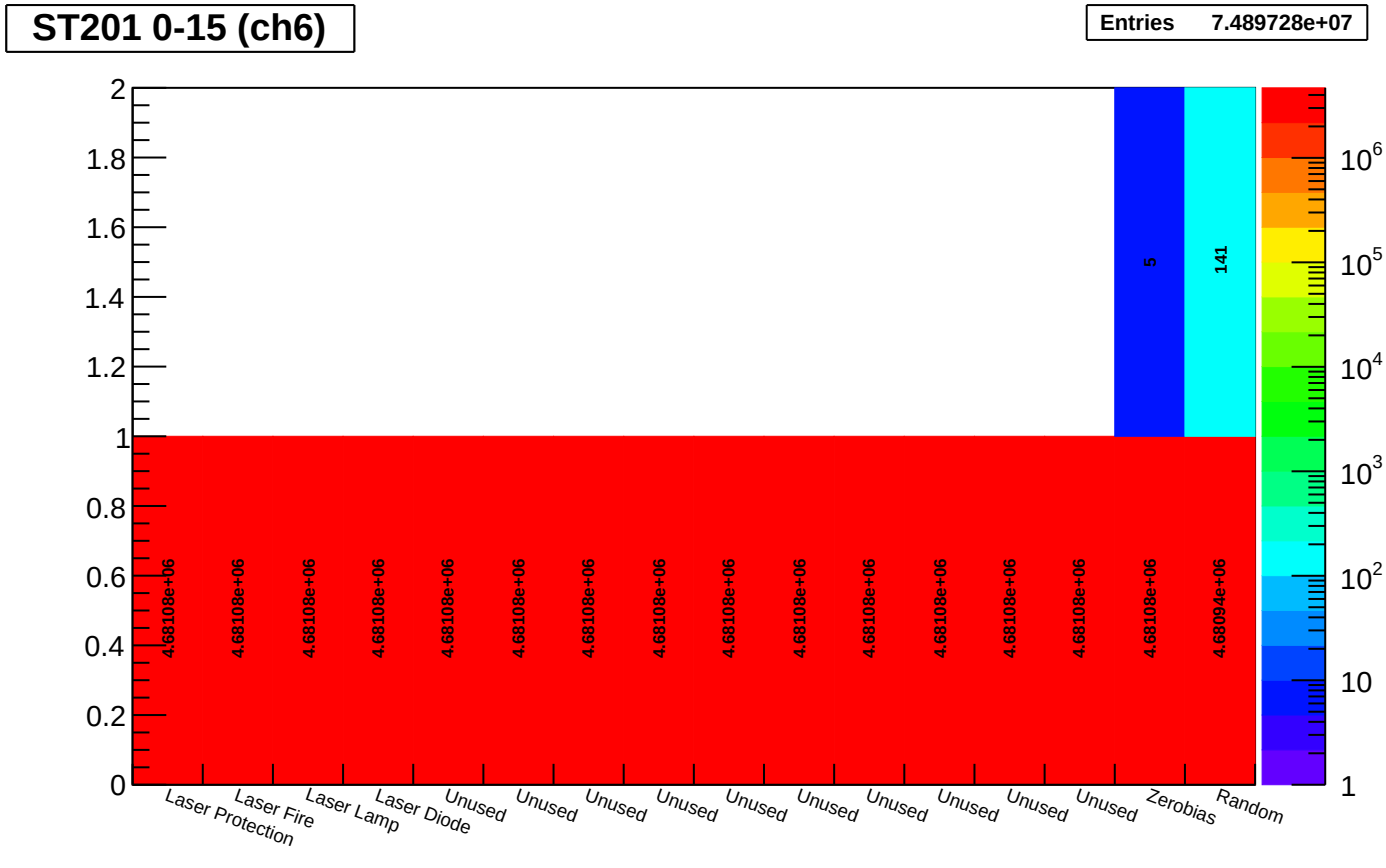

Entries 4681080
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

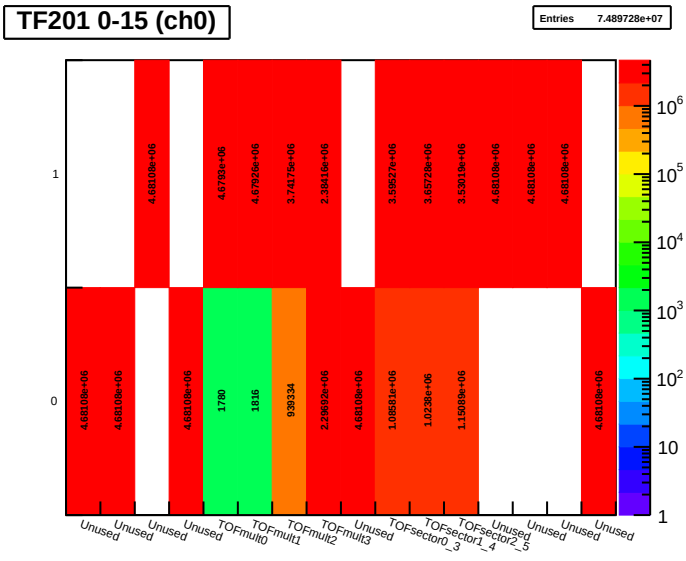

Entries 4681080
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

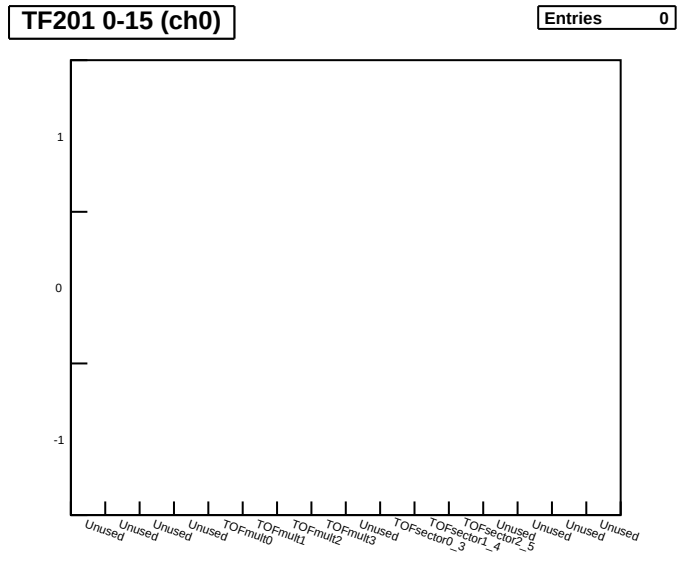

Entries 4681080
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

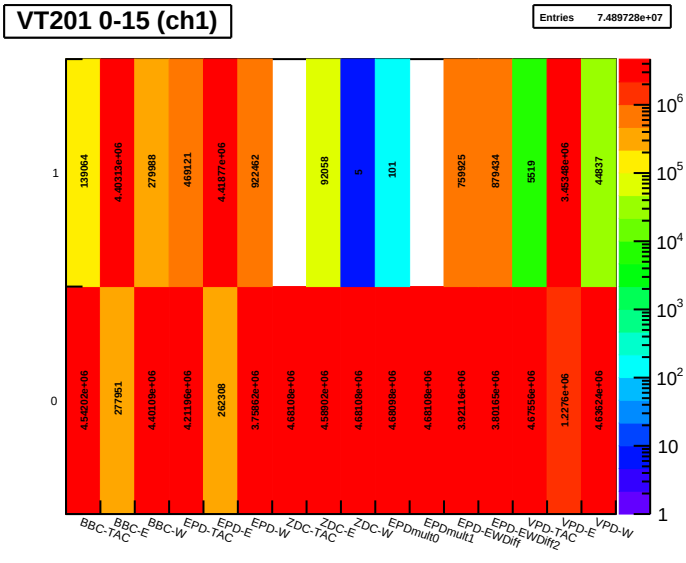

Entries 4681080
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

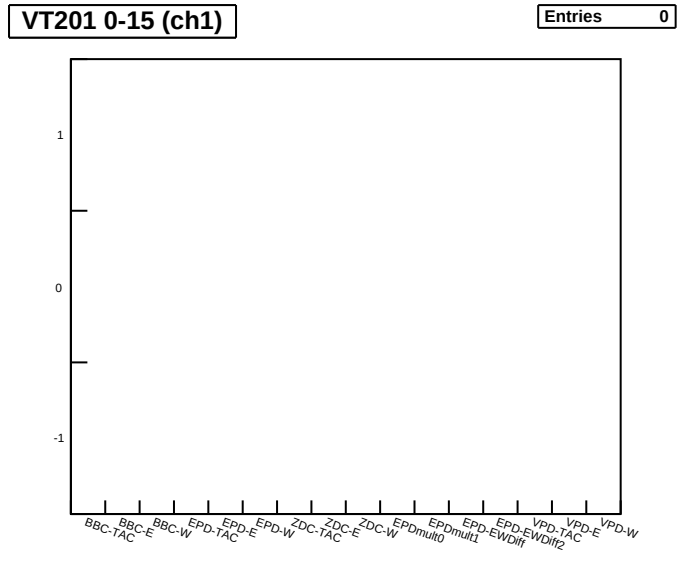

Laser Input Bits
Entries 4681080
10^6
10^5
10^4
No L,No D
L,No D
D, No L
L,D

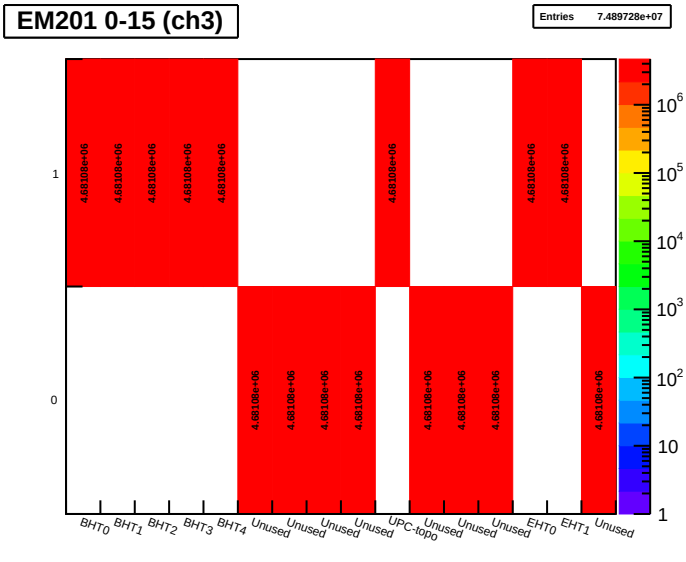

ST201 0-15 (ch6)
Entries 7.489728e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4.68108e+06
4.68094e+06
5
141
10^6
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

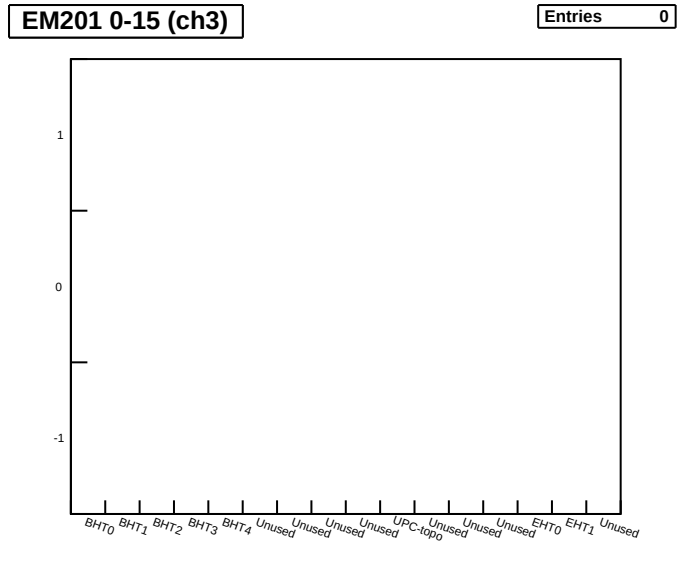

TF201 0-15 (ch0)
Entries 7.489728e+07
1
0
4.68108e+06
4.68108e+06
4.68108e+06
1780
1816
939334
2.29692e+06
4.68108e+06
1.08581e+06
1.0238e+06
1.15089e+06
4.68108e+06
4.6793e+06
4.67926e+06
3.74175e+06
2.39416e+06
3.59527e+06
3.65729e+06
3.53019e+06
4.68108e+06
4.68108e+06
4.68108e+06
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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 7.489728e+07
1
0
139064
4.40313e+06
279988
469121
4.41877e+06
922462
92058
5
101
759925
879434
5519
3.45348e+06
44837
4.54202e+06
277951
4.40108e+06
4.21196e+06
262308
3.75862e+06
4.68108e+06
4.58902e+06
4.68108e+06
4.68098e+06
4.68108e+06
3.92116e+06
3.80165e+06
4.67556e+06
1.2276e+06
4.63624e+06
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
1
10
10^2
10^3
10^4
10^5
10^6


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 7.489728e+07
1
0
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
4.68108e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
1
10
10^2
10^3
10^4
10^5
10^6


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