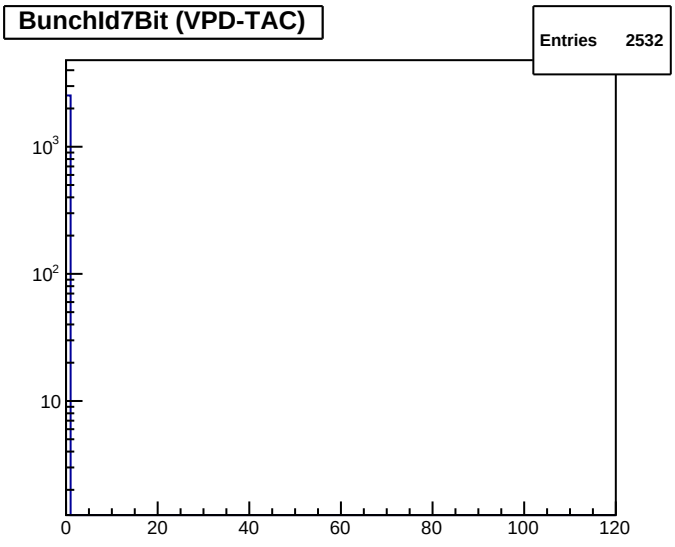
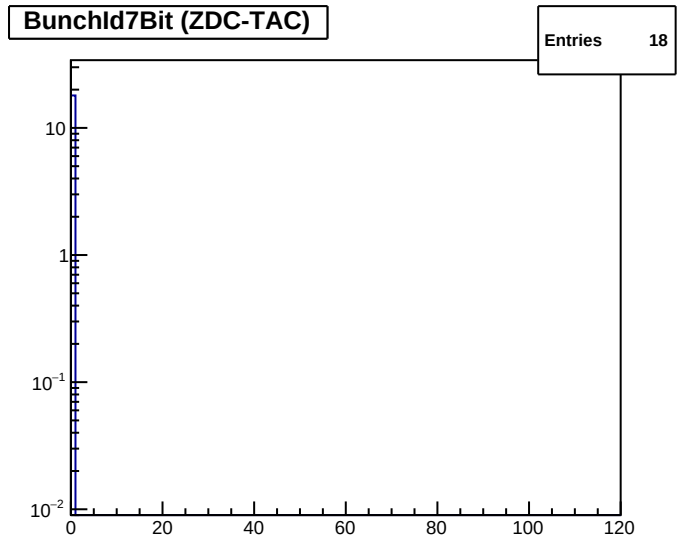
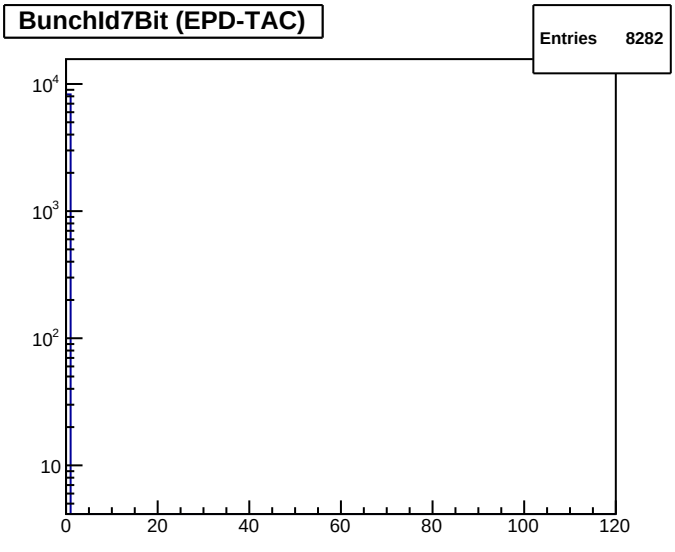
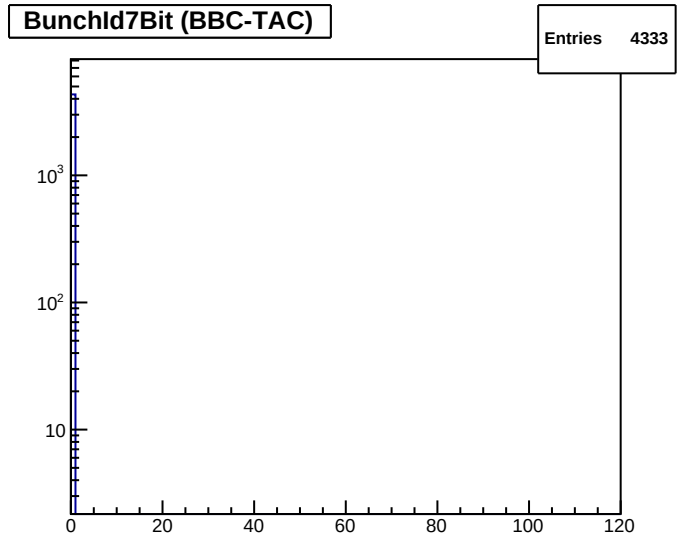
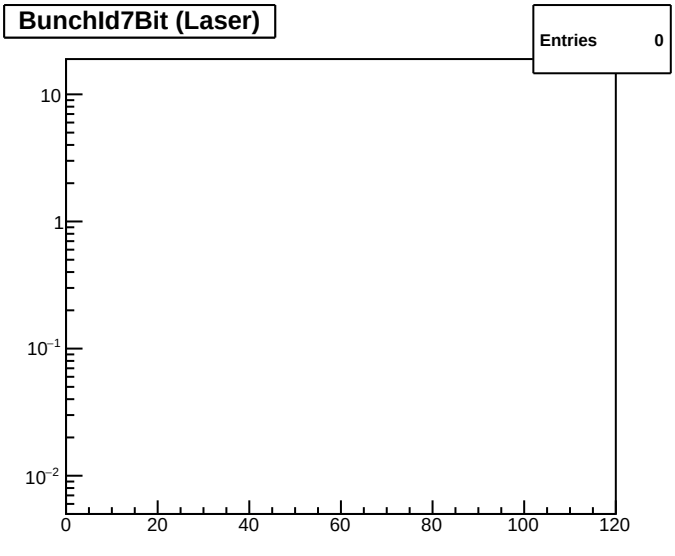
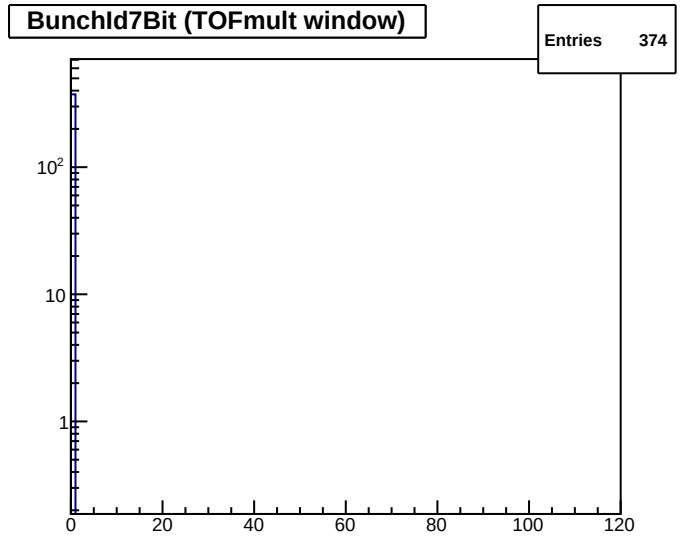

BunchId7Bit (VPD-TAC)
Entries 2532
10^3
10^2
10
0 20 40 60 80 100 120

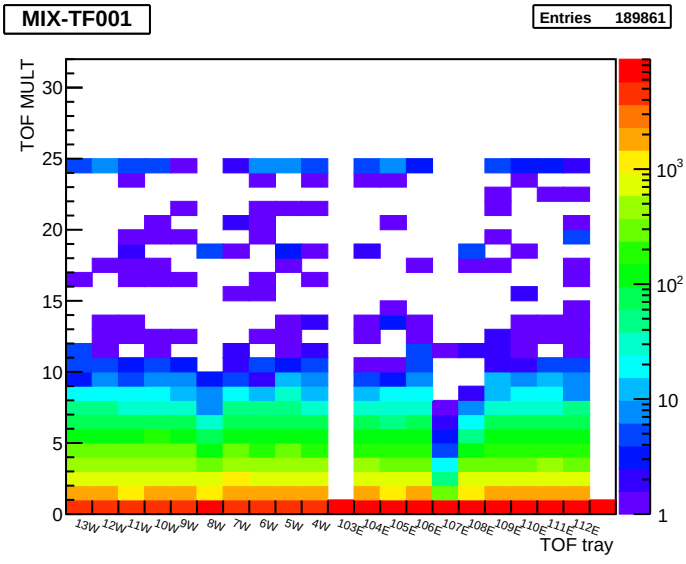

BunchId7Bit (ZDC-TAC)
Entries 18
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

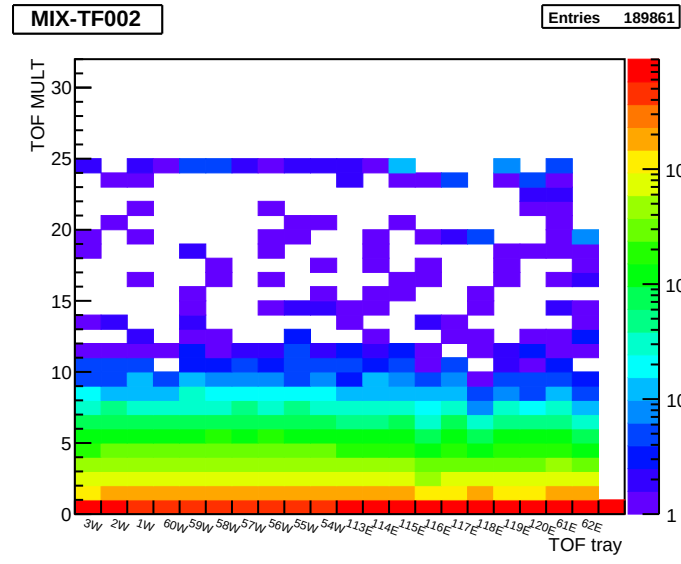

BunchId7Bit (EPD-TAC)
Entries 8282
10^4
10^3
10^2
10
0 20 40 60 80 100 120

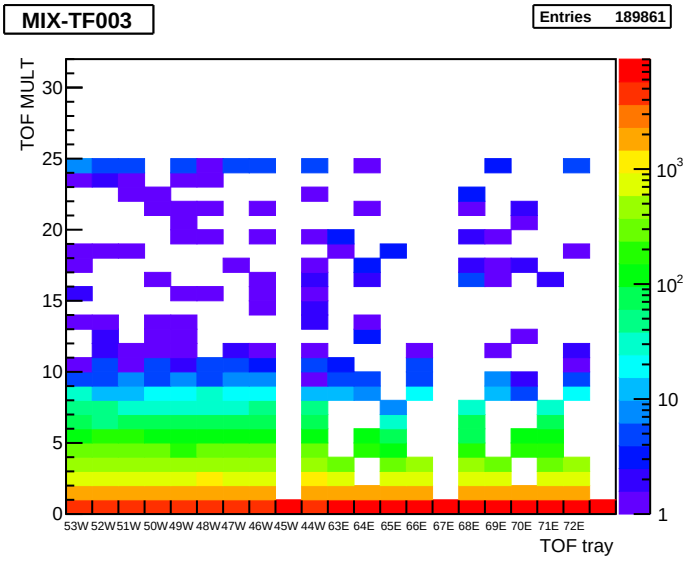

BunchId7Bit (BBC-TAC)
Entries 4333
10^3
10^2
10
0 20 40 60 80 100 120

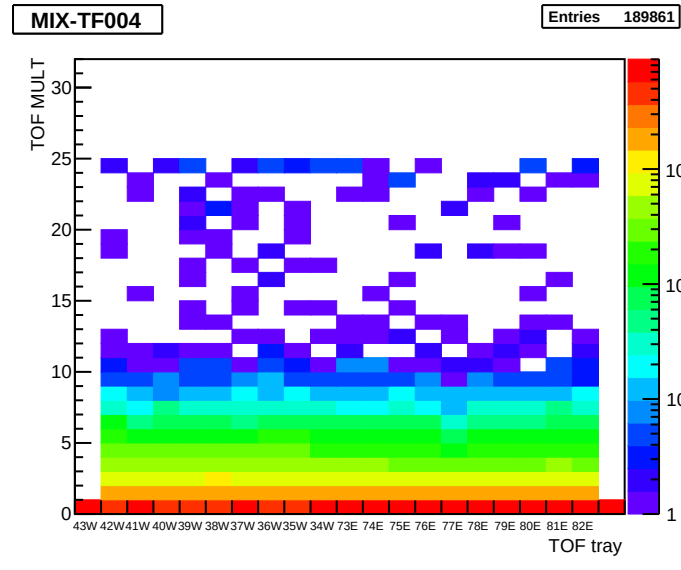

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

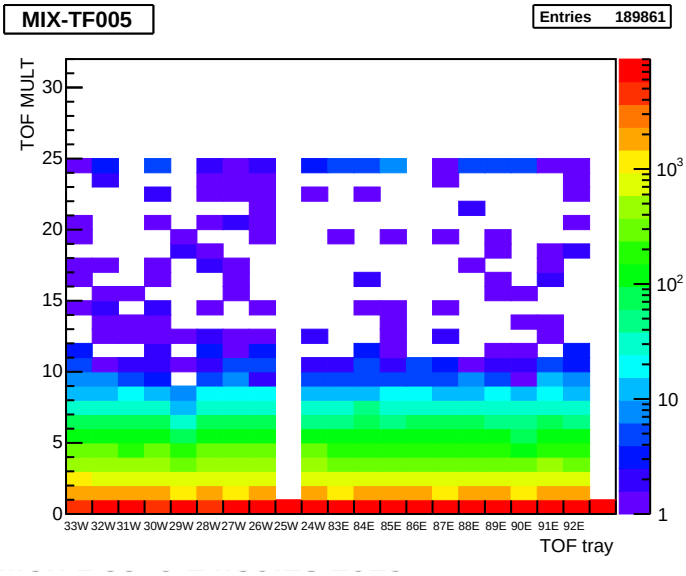

BunchId7Bit (TOFmult window)
Entries 374
10^2
10
1
0 20 40 60 80 100 120

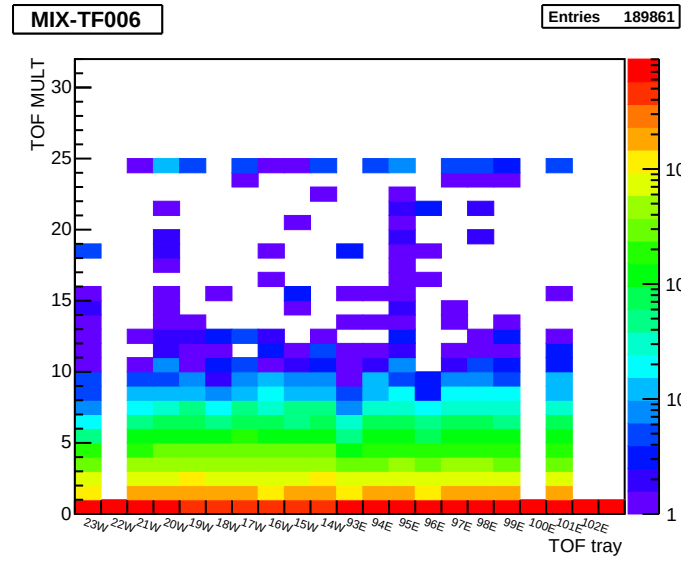

MIX-TF001
Entries 189861
TOF MULT
TOF tray

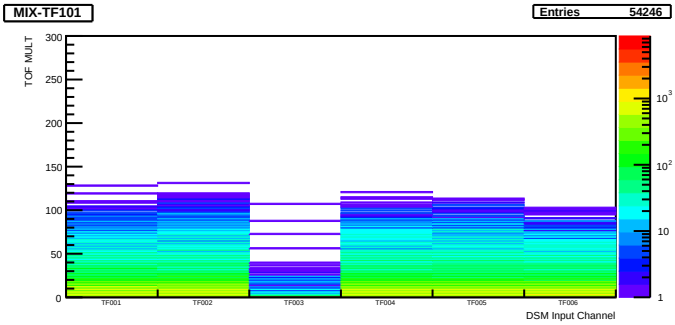

MIX-TF002
Entries 189861
TOF MULT
TOF tray

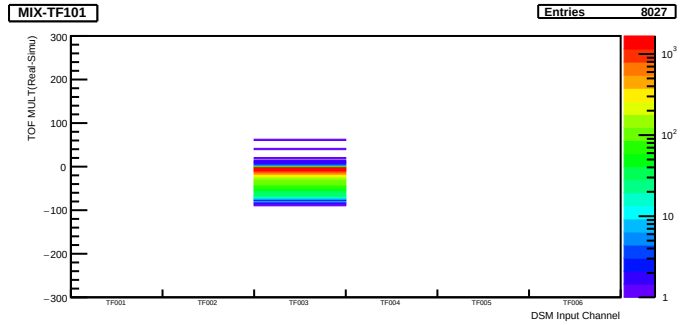

MIX-TF003
Entries 189861
TOF MULT
TOF tray

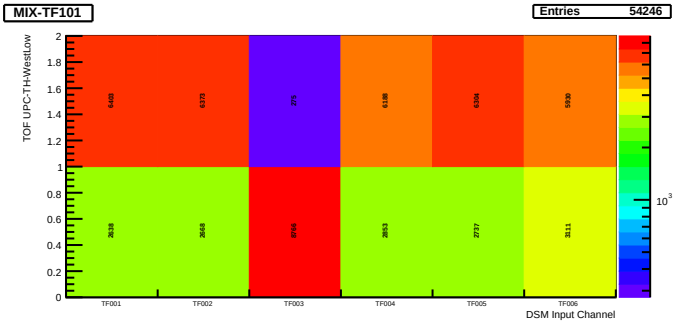

MIX-TF004
Entries 189861
TOF MULT
TOF tray

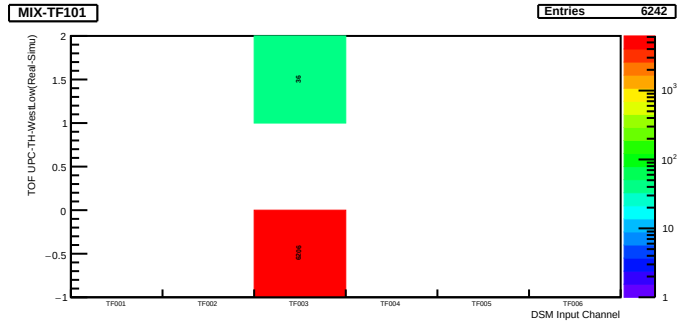

MIX-TF005
Entries 189861
TOF MULT
TOF tray

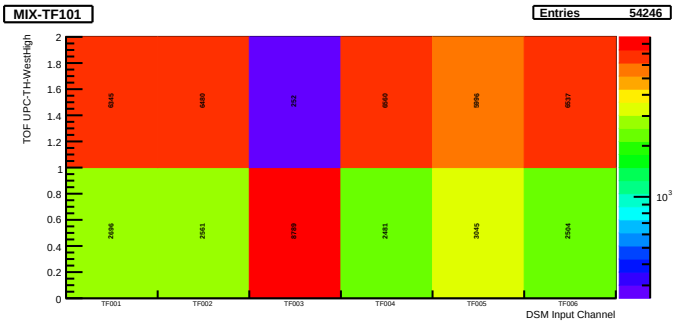

MIX-TF006
Entries 189861
TOF MULT
TOF tray

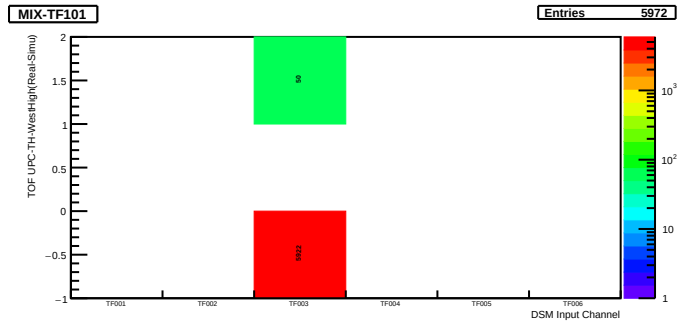

MIX-TF101
Entries 54246
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

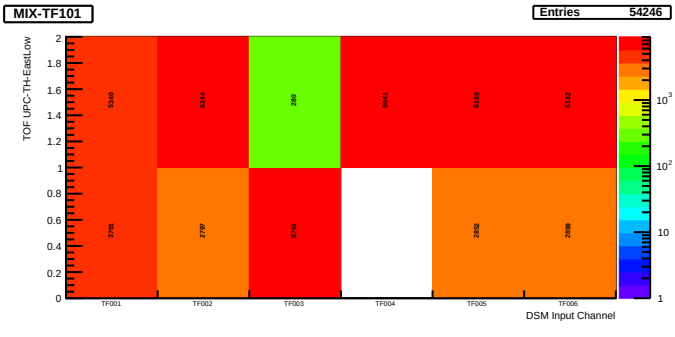

MIX-TF101
Entries 8027
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

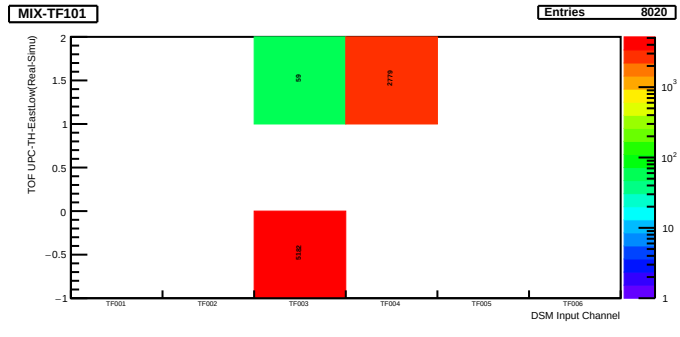

MIX-TF101
Entries 54246
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

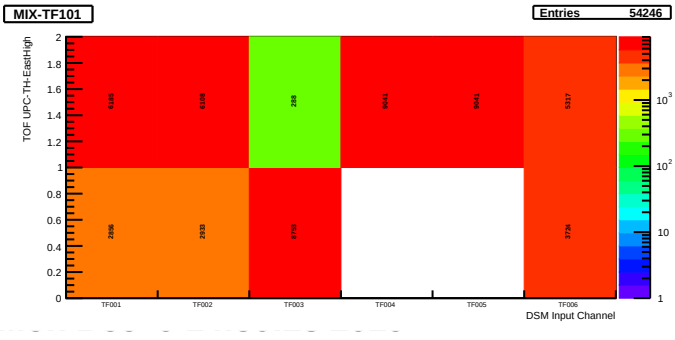

MIX-TF101
Entries 6242
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

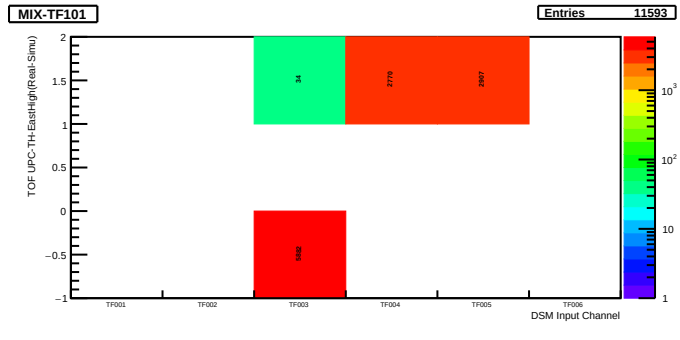

MIX-TF101
Entries 54246
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

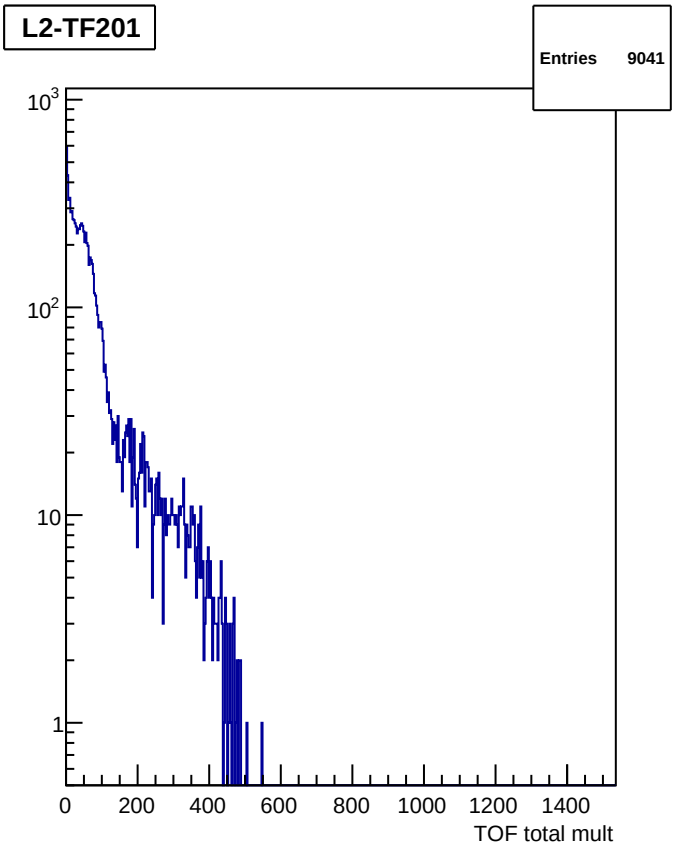

MIX-TF101
Entries 5972
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

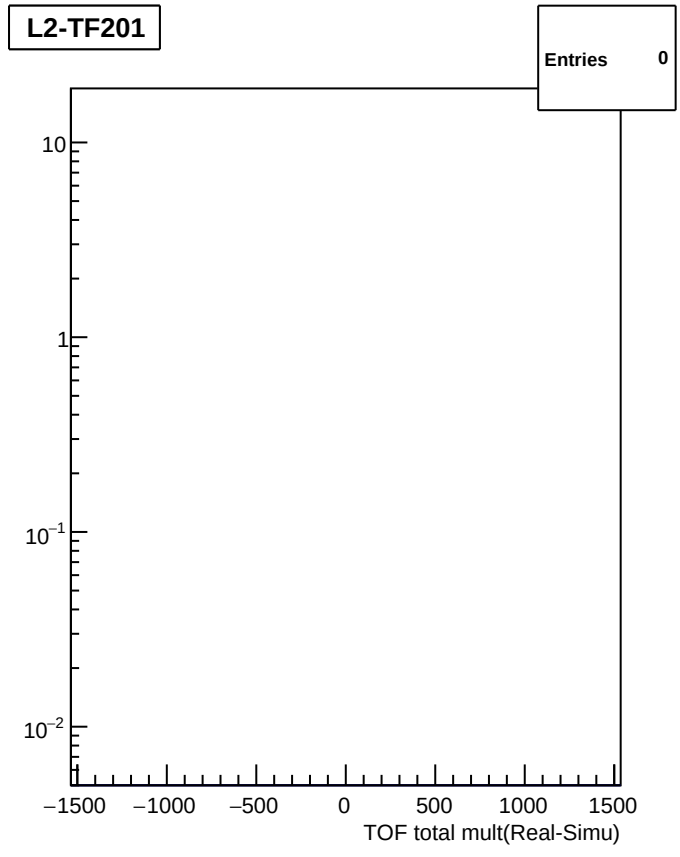

MIX-TF101
Entries 54246
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

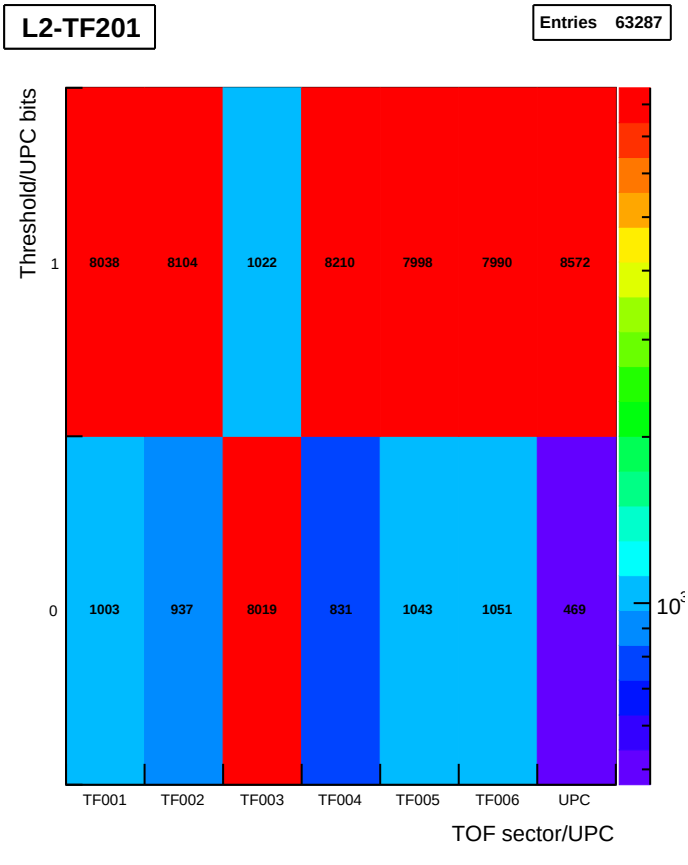

MIX-TF101
Entries 8020
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

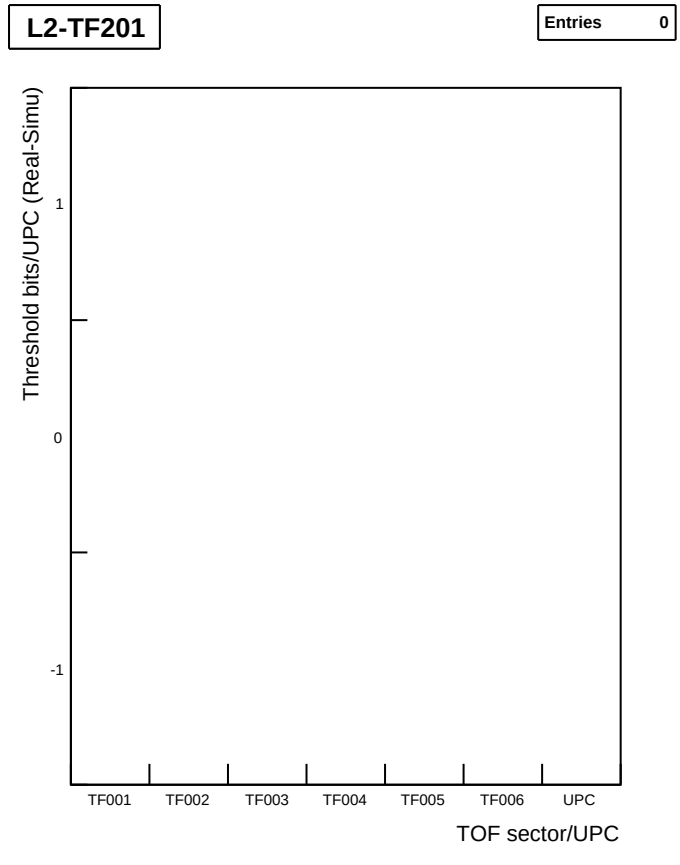

MIX-TF101
Entries 54246
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

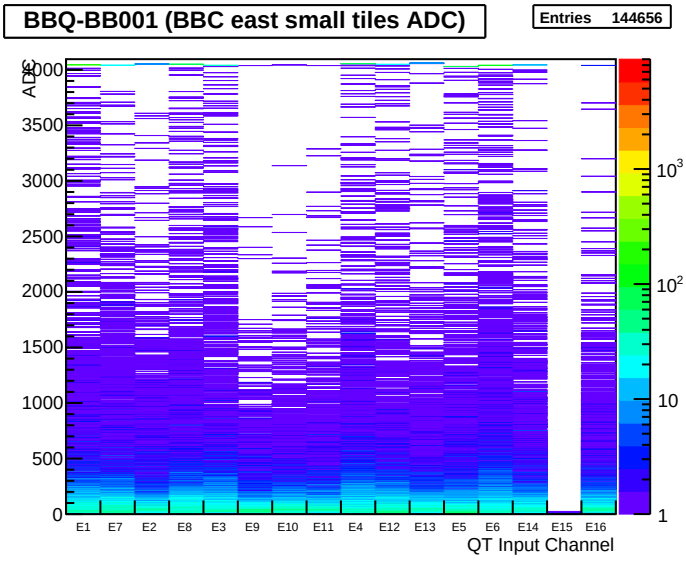

MIX-TF101
Entries 11593
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

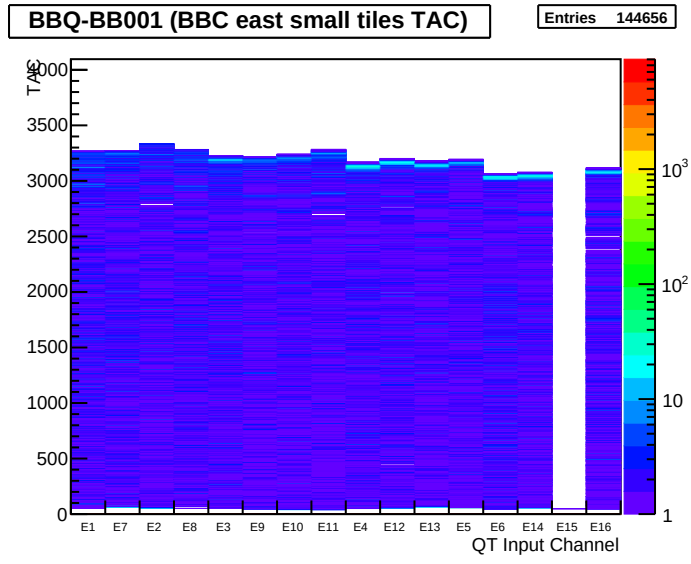

L2-TF201
Entries 9041
TOF total mult

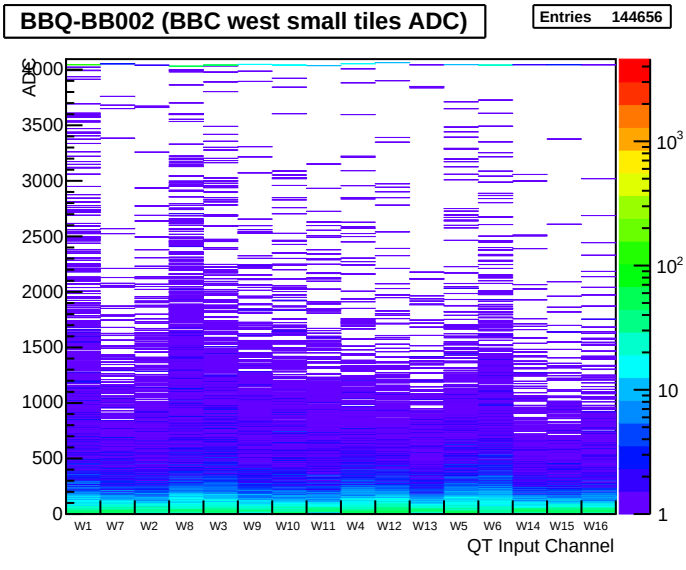

L2-TF201
Entries 0
TOF total mult(Real-Simu)

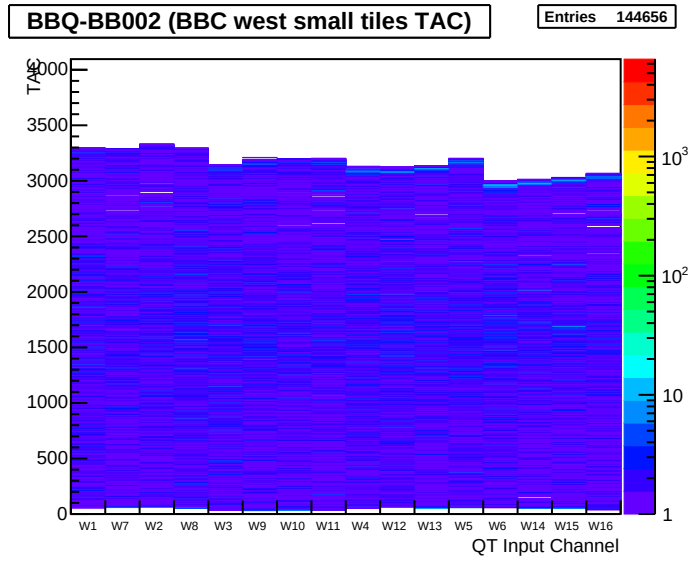

L2-TF201
Entries 63287
Threshold/UPC bits
8038
8104
1022
8210
7998
7990
8572
1003
937
8019
831
1043
1051
469
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

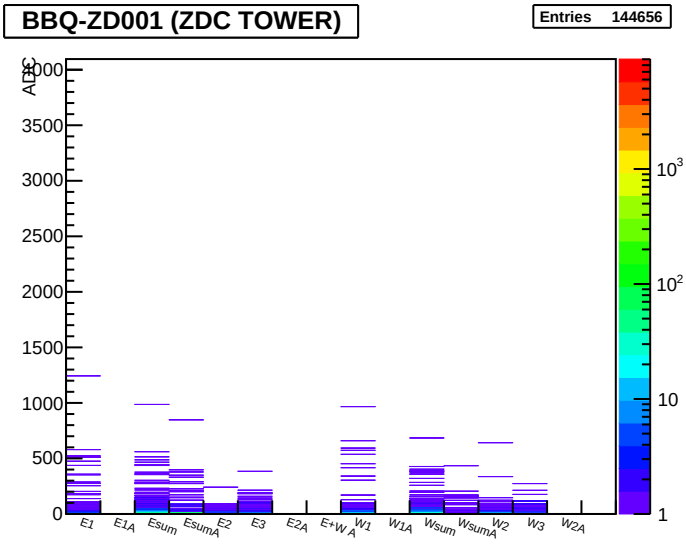

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

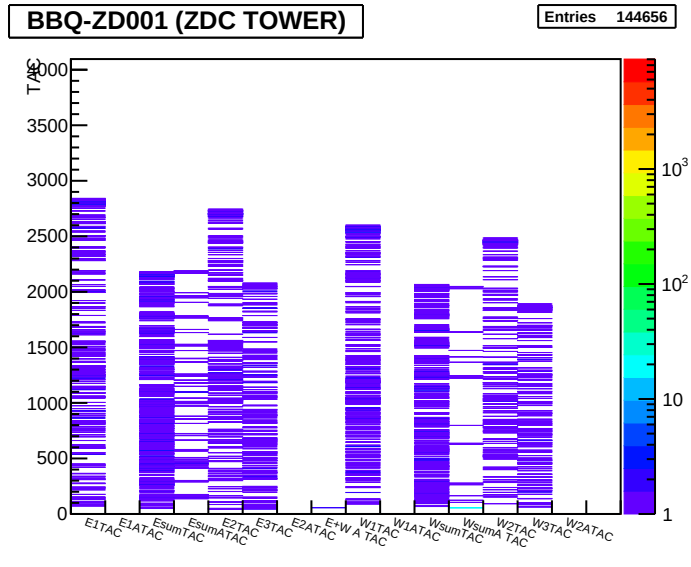

BBQ-BB001 (BBC east small tiles ADC)
Entries 144656
ADC
QT Input Channel

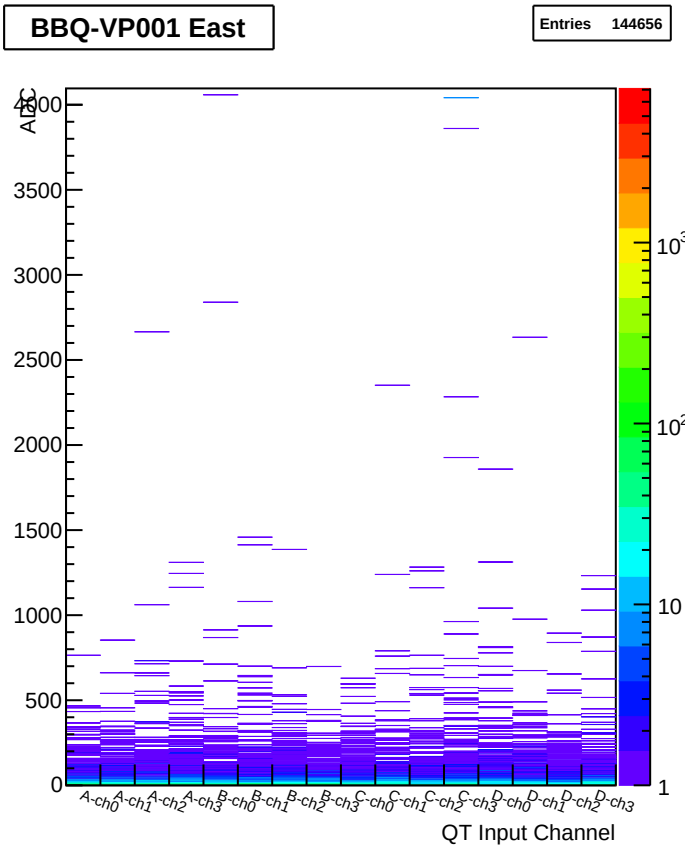

BBQ-BB001 (BBC east small tiles TAC)
Entries 144656
TAC
QT Input Channel

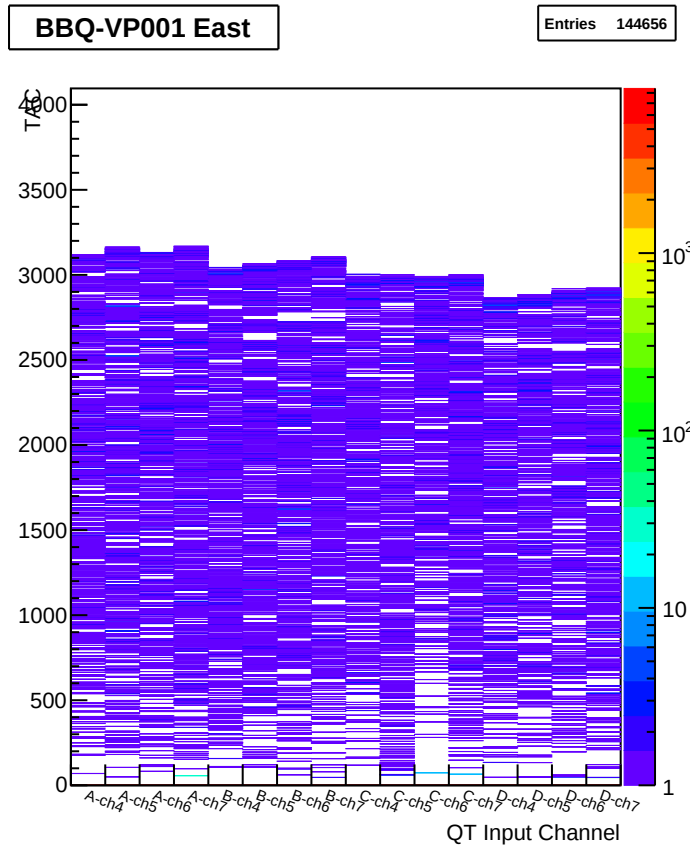

BBQ-BB002 (BBC west small tiles ADC)
Entries 144656
ADC
QT Input Channel

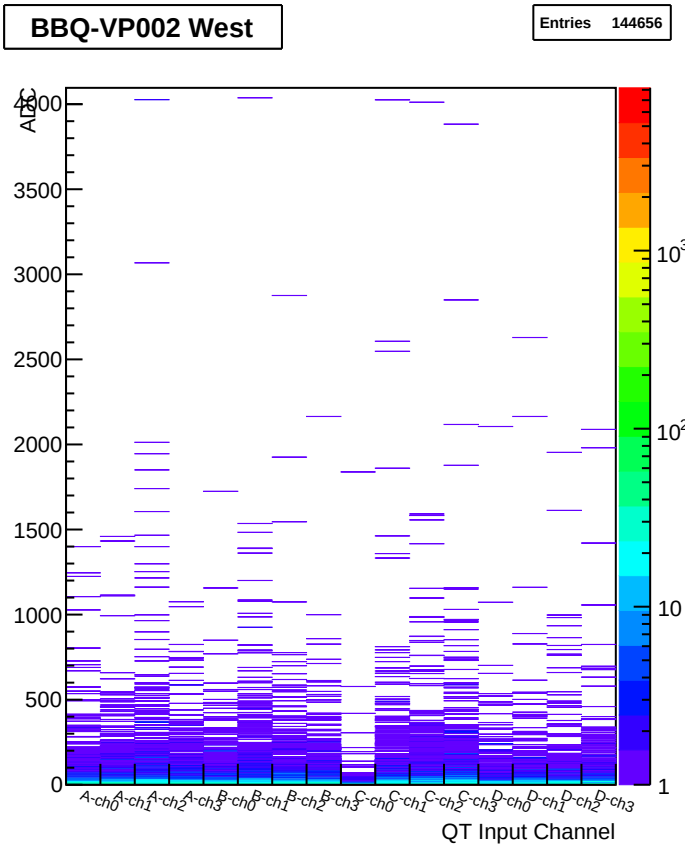

BBQ-BB002 (BBC west small tiles TAC)
Entries 144656
TAC
QT Input Channel

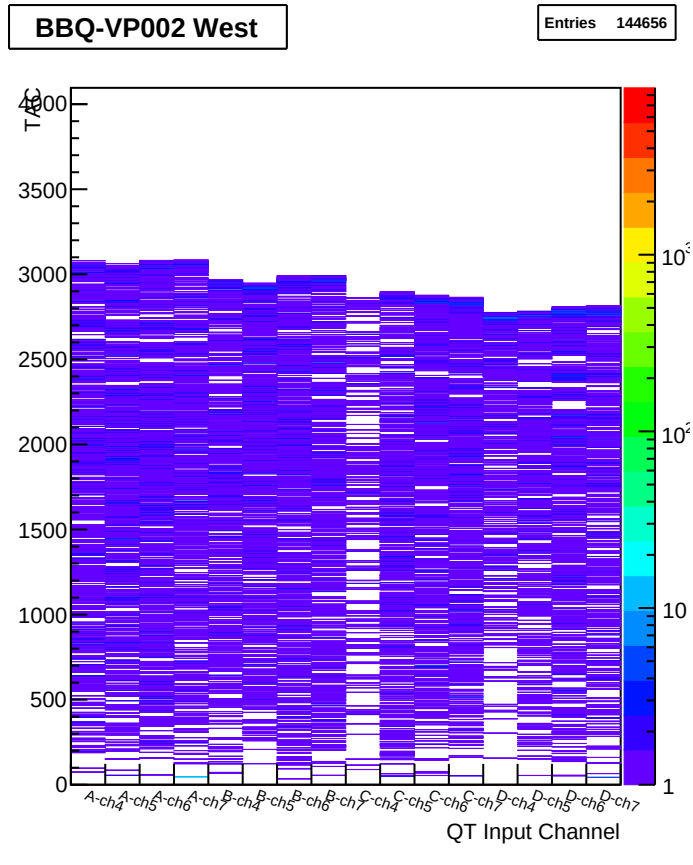

BBQ-ZD001 (ZDC TOWER)
Entries 144656
ADC

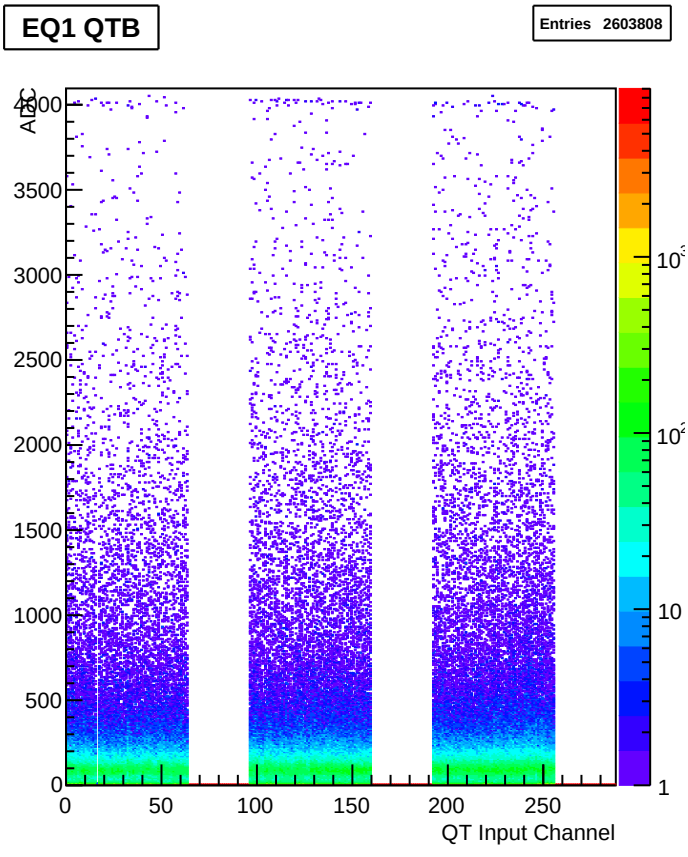

BBQ-ZD001 (ZDC TOWER)
Entries 144656
TAC

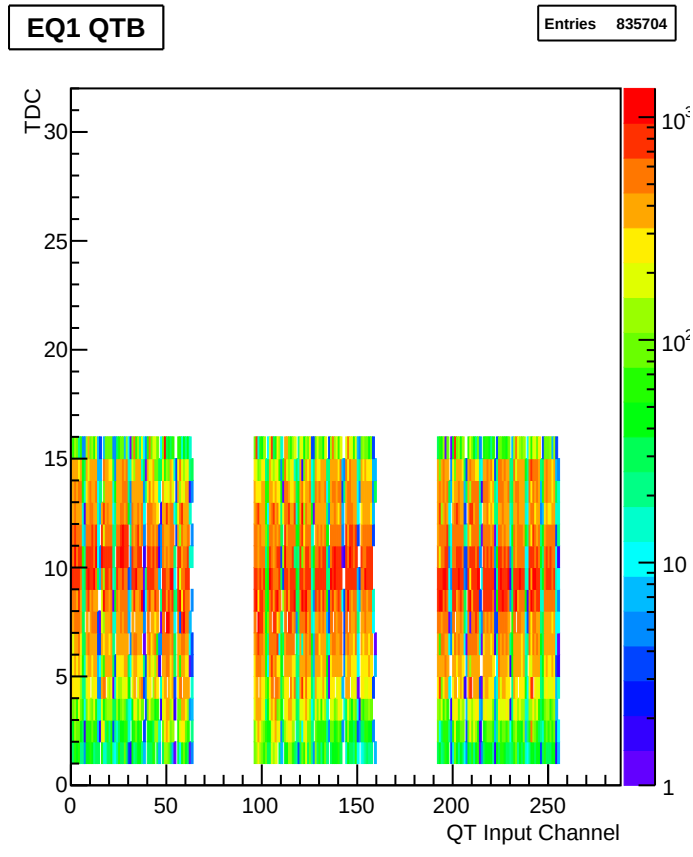

BBQ-VP001 East
Entries 144656
ADC
QT Input Channel

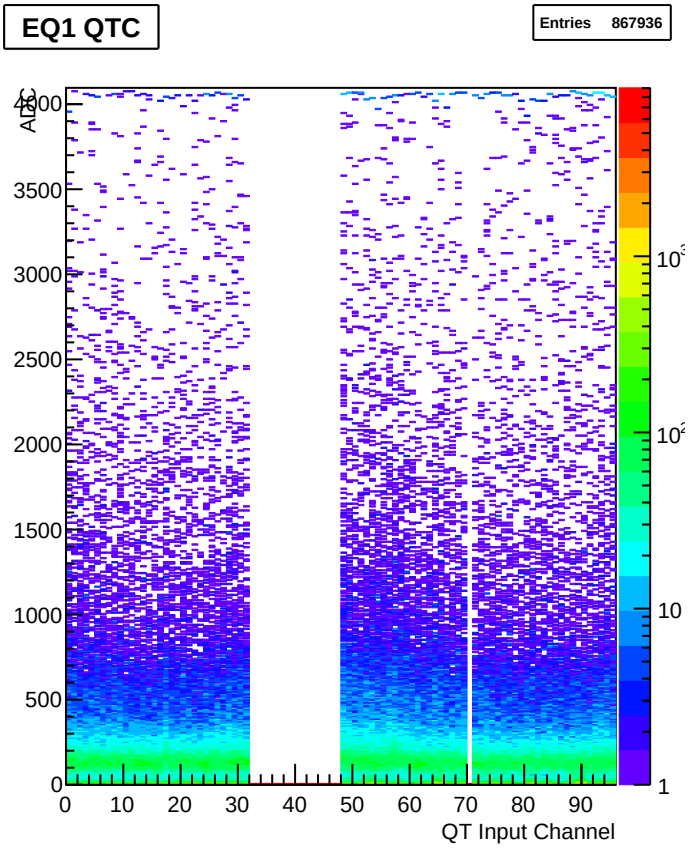

BBQ-VP001 East
Entries 144656
TADC
QT Input Channel

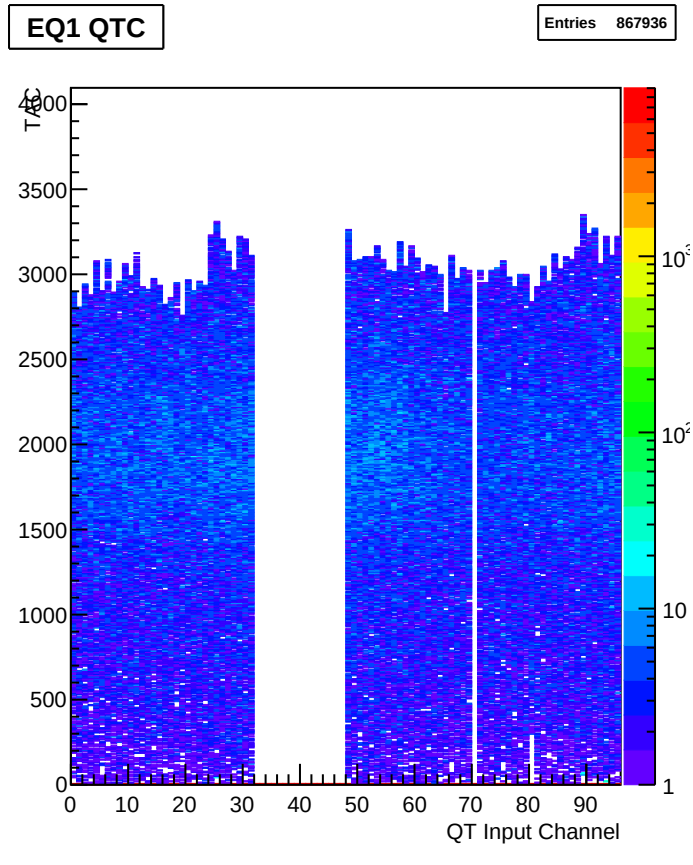

BBQ-VP002 West
Entries 144656
ADC
QT Input Channel

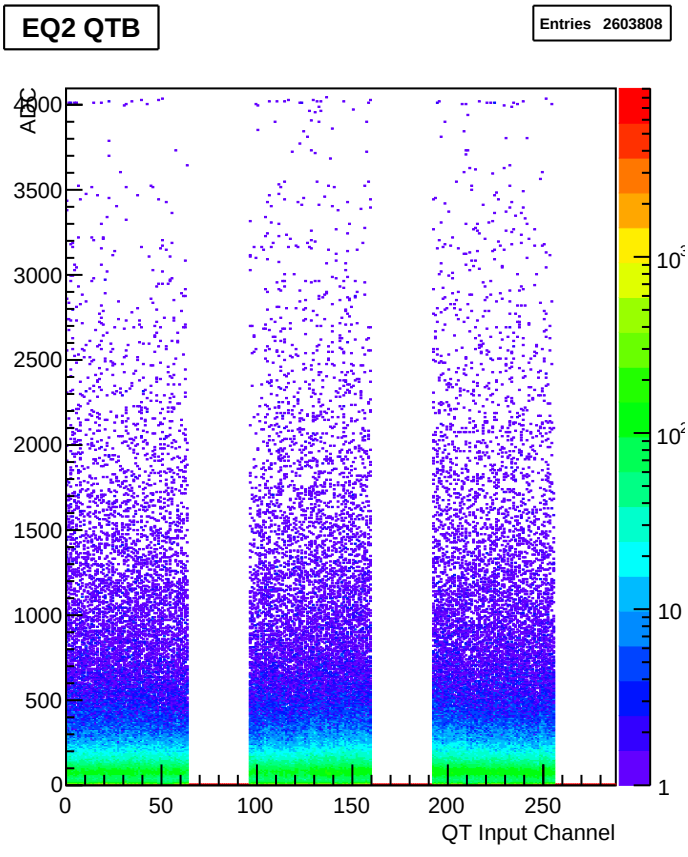

BBQ-VP002 West
Entries 144656
TADC
QT Input Channel

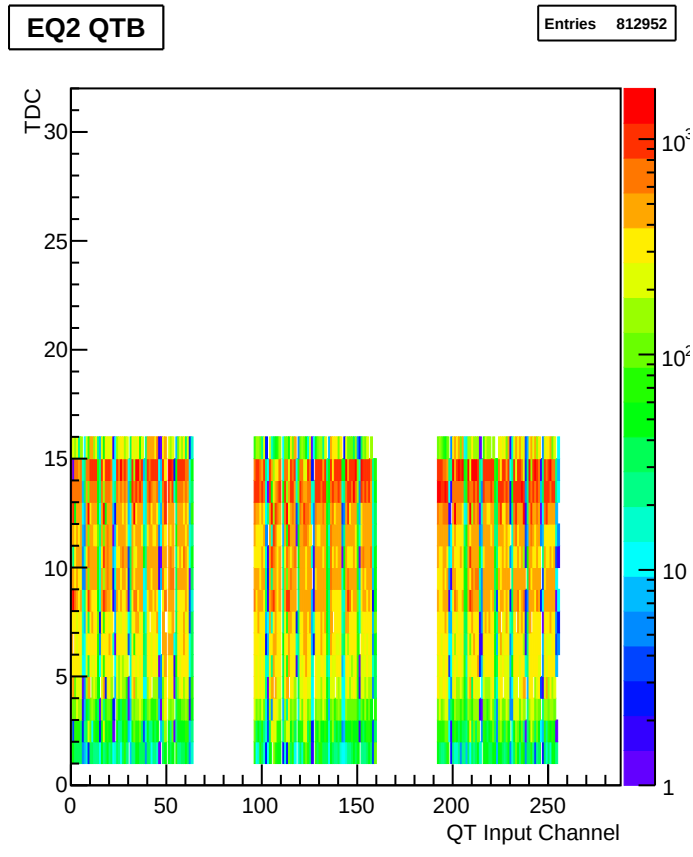

EQ1 QTB
Entries 2603808
ADC
QT Input Channel

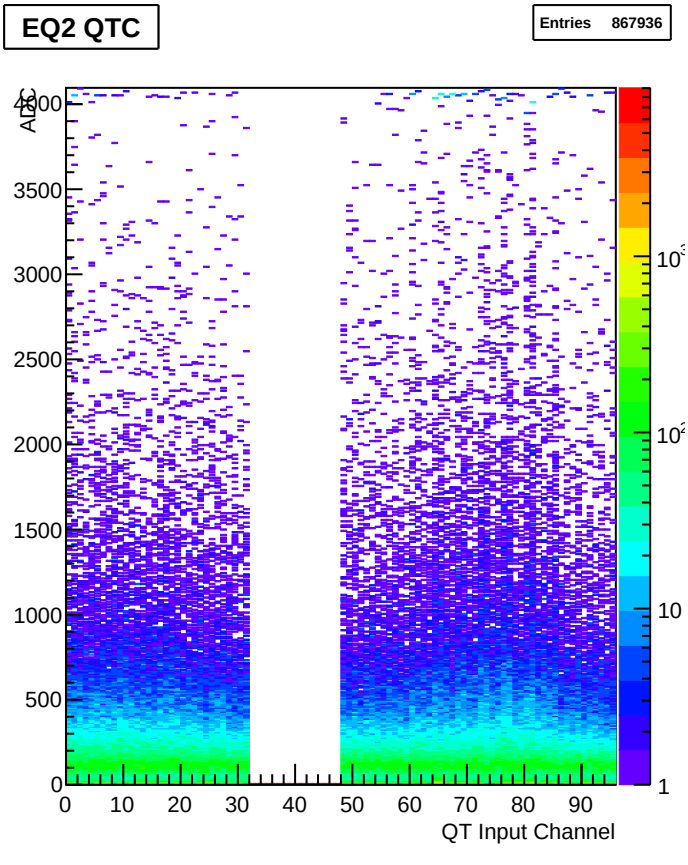

EQ1 QTB
Entries 835704
TDC
QT Input Channel

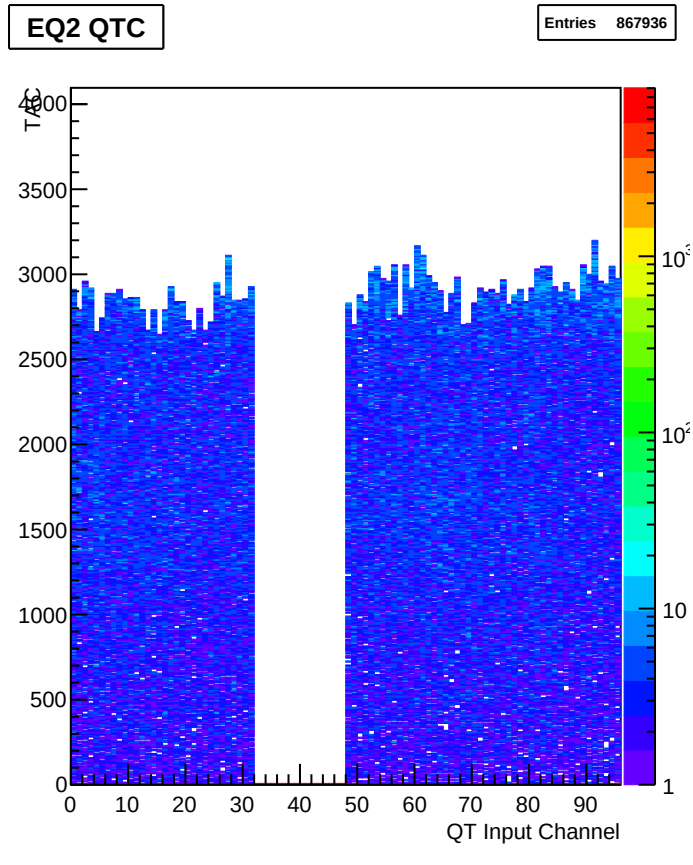

EQ1 QTC
Entries 867936
ADC
QT Input Channel

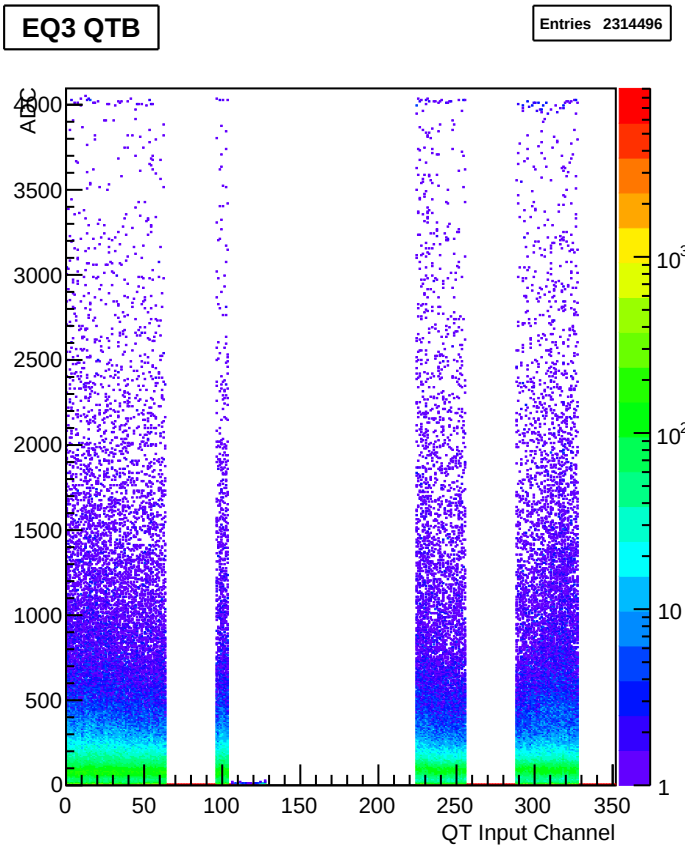

EQ1 QTC
Entries 867936
TADC
QT Input Channel

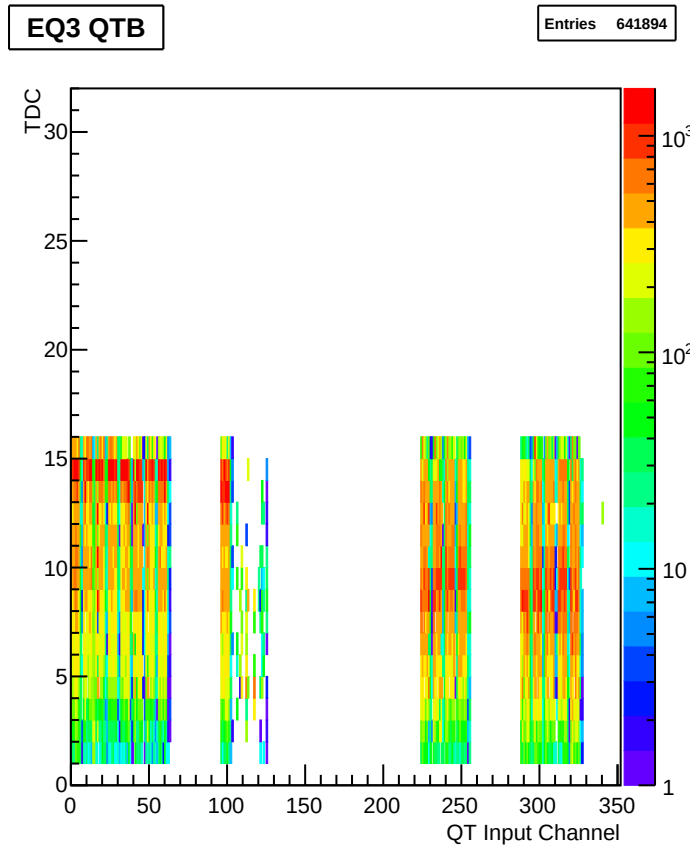

EQ2 QTB
Entries 2603808
ADC
QT Input Channel

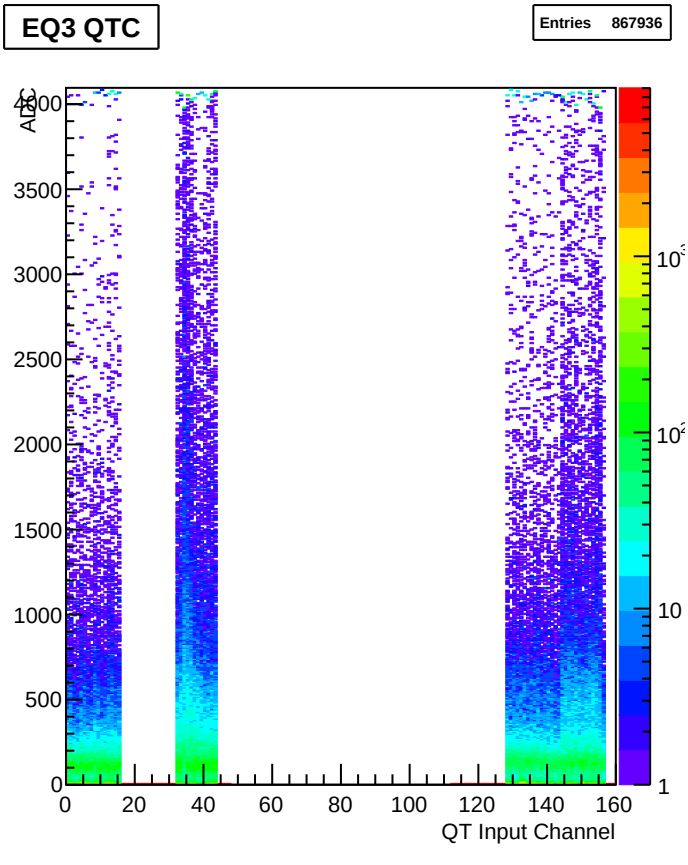

EQ2 QTB
Entries 812952
TDC
QT Input Channel

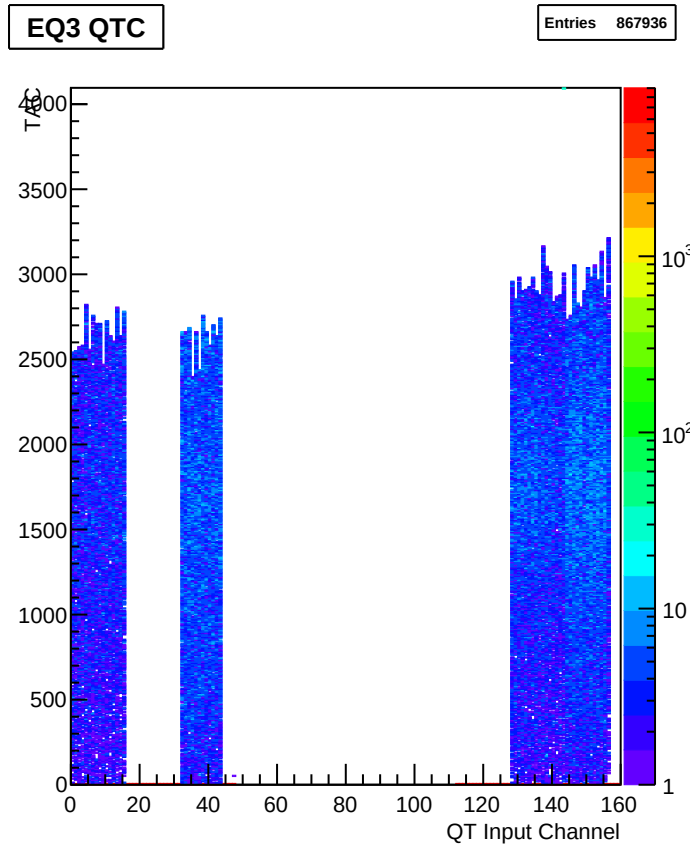

EQ2 QTC
Entries 867936
ADC
QT Input Channel

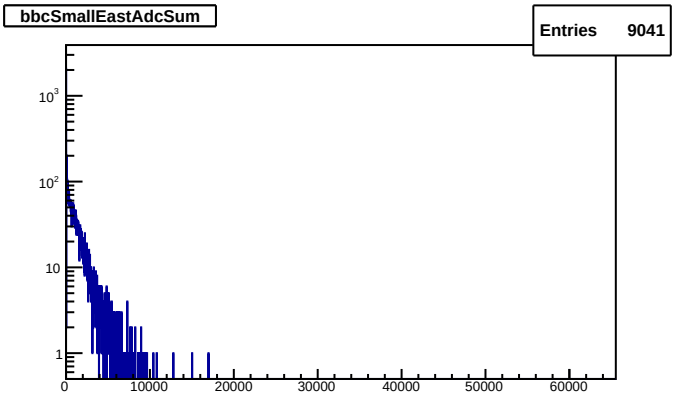

EQ2 QTC
Entries 867936
TADC
QT Input Channel

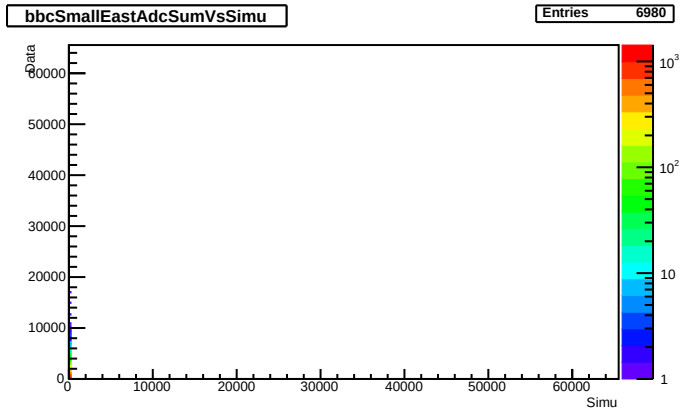

EQ3 QTB
Entries 2314496
ADC
QT Input Channel

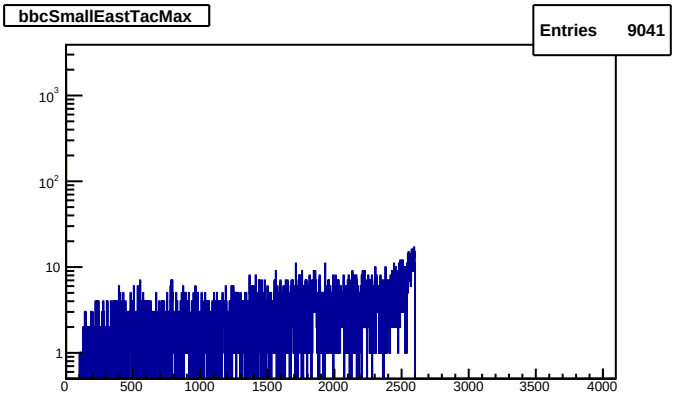

EQ3 QTB
Entries 641894
TDC
QT Input Channel

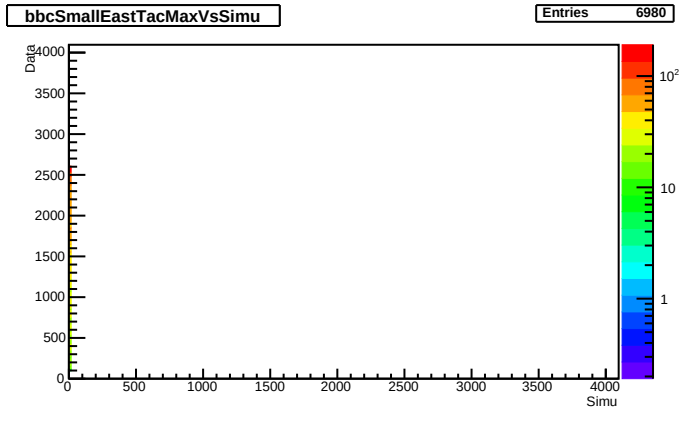

EQ3 QTC
Entries 867936
ADC
QT Input Channel

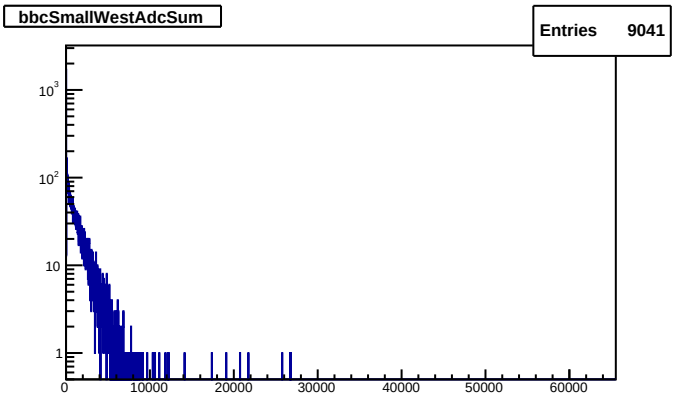

EQ3 QTC
Entries 867936
TADC
QT Input Channel

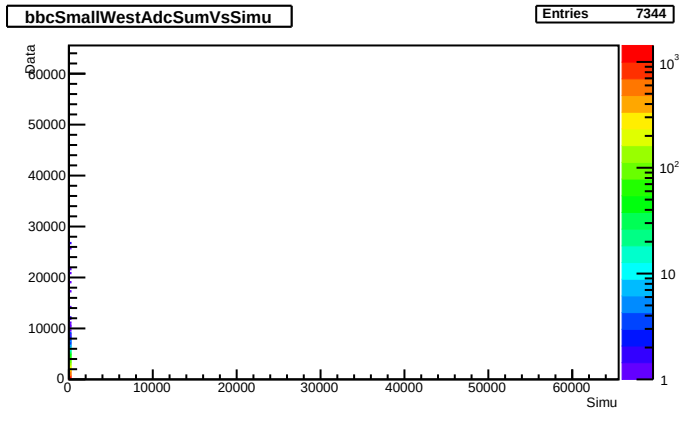

bbcSmallEastAdcSum
Entries 9041

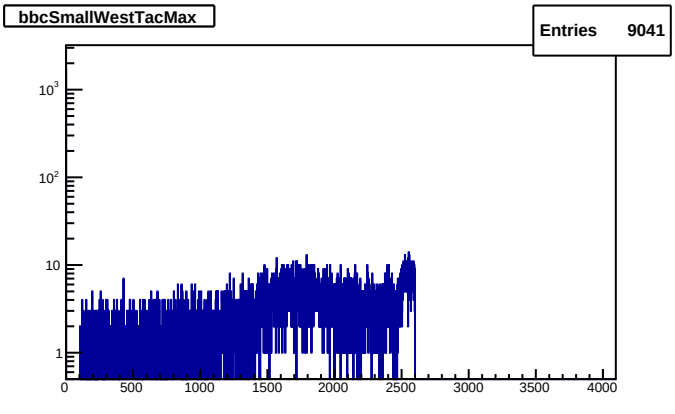

bbcSmallEastAdcSumVsSimu
Entries 6980
Data
Simu

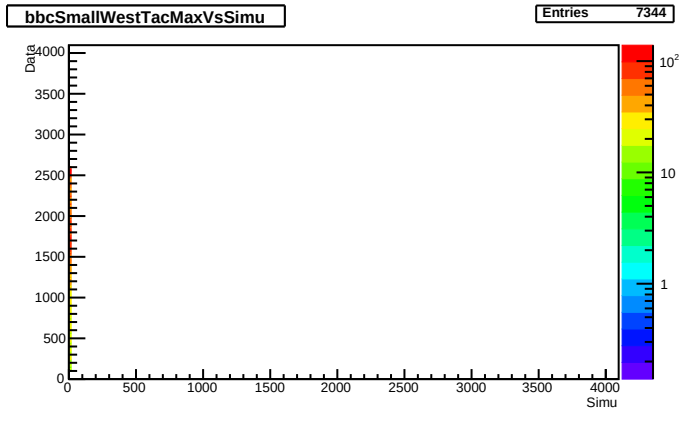

bbcSmallEastTacMax
Entries 9041

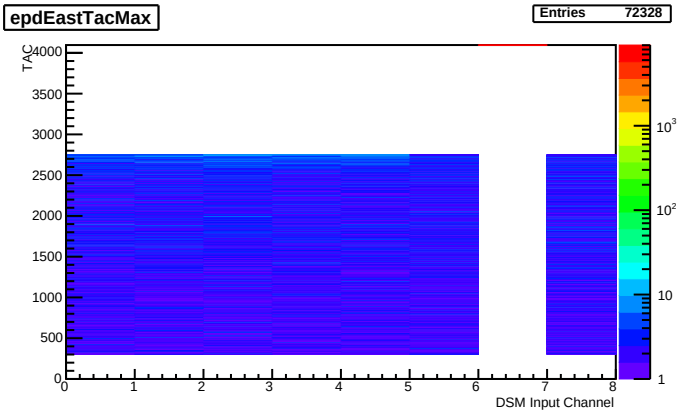

bbcSmallEastTacMaxVsSimu
Entries 6980
Data
Simu

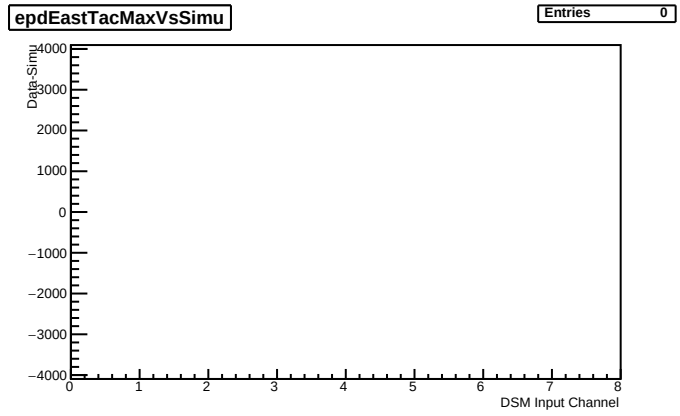

bbcSmallWestAdcSum
Entries 9041

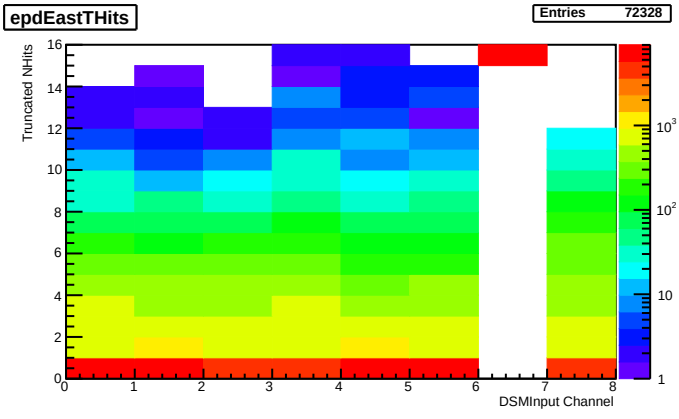

bbcSmallWestAdcSumVsSimu
Entries 7344
Data
Simu

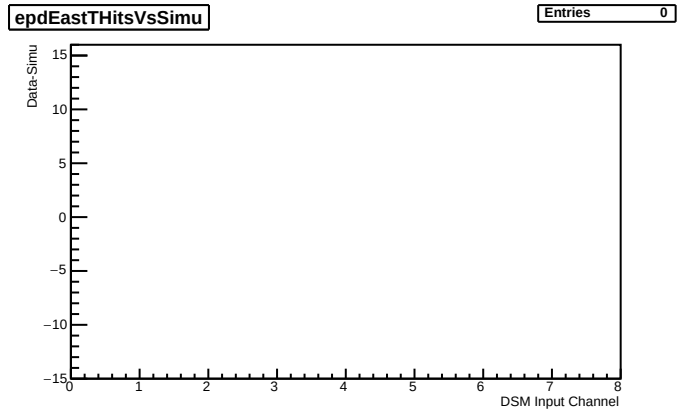

bbcSmallWestTacMax
Entries 9041

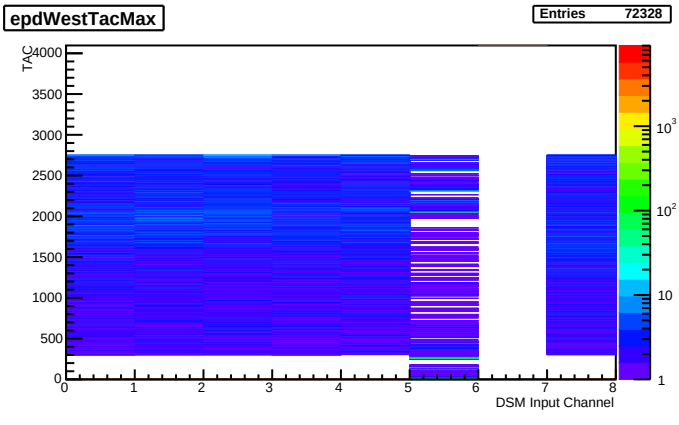

bbcSmallWestTacMaxVsSimu
Entries 7344
Data
Simu

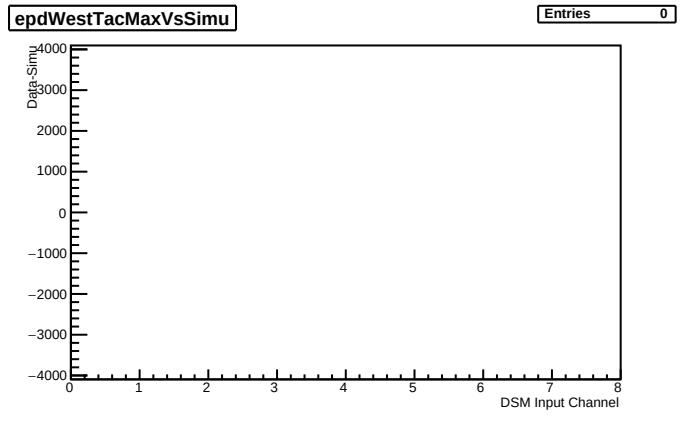

epdEastTacMax
Entries 72328
TAC
DSM Input Channel

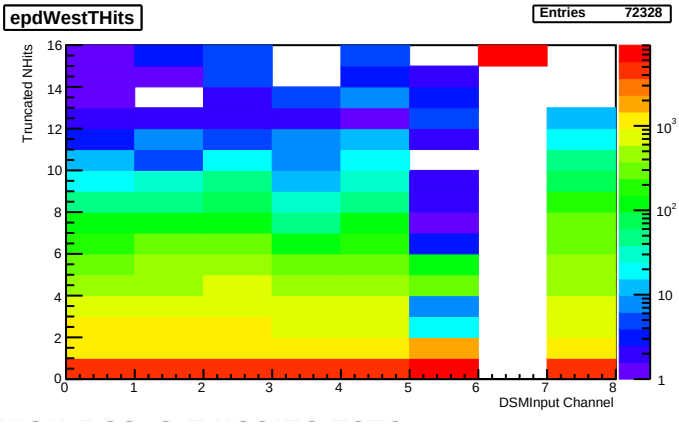

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

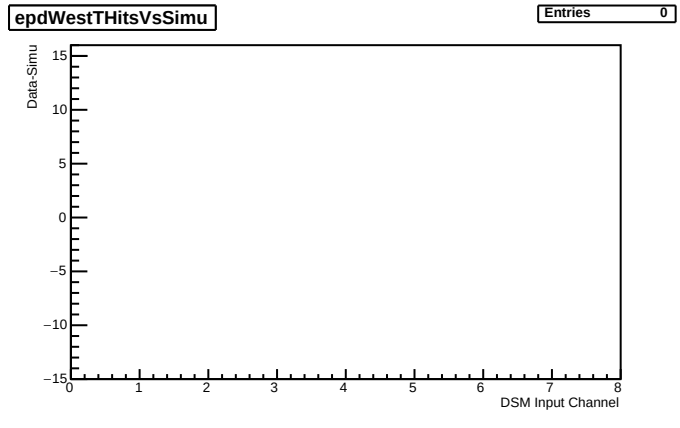

epdEastTHits
Entries 72328
Truncated NHits
DSMInput Channel

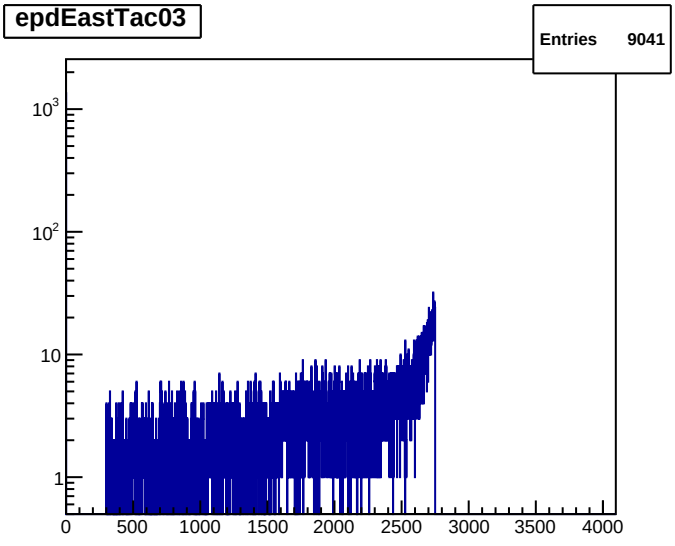

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

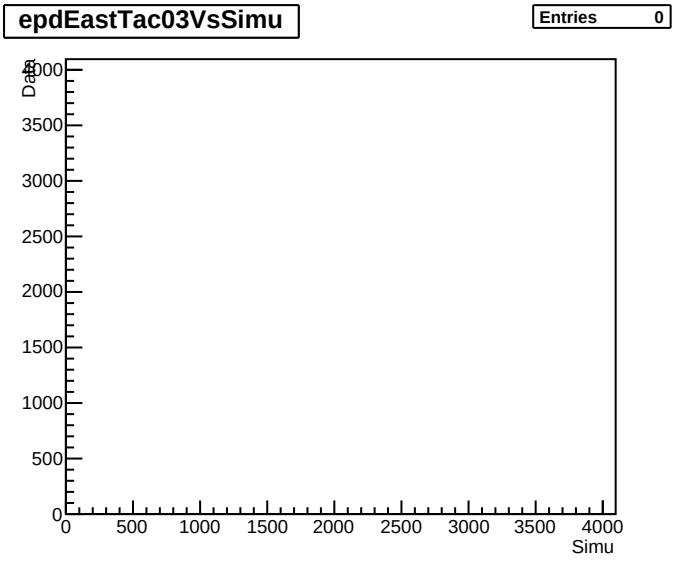

epdWestTacMax
Entries 72328
TAC
DSM Input Channel

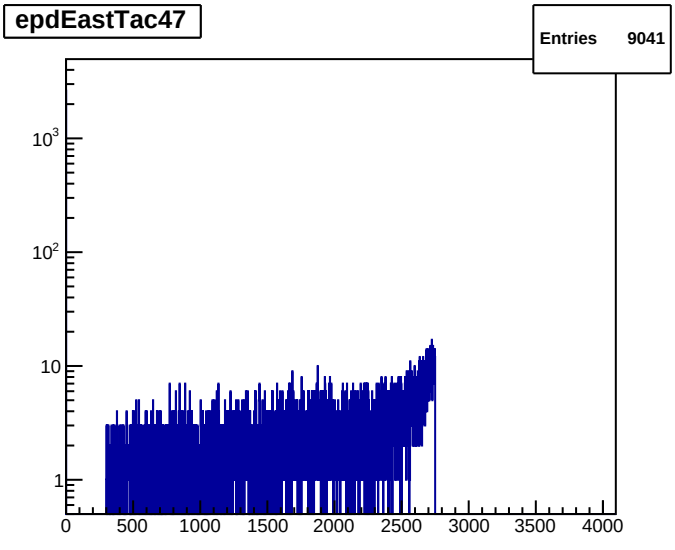

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

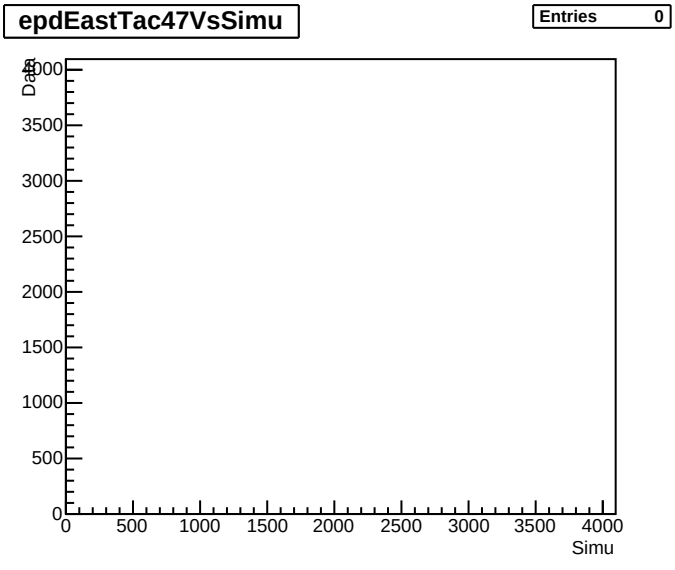

epdWestTHits
Entries 72328
Truncated NHits
DSMInput Channel

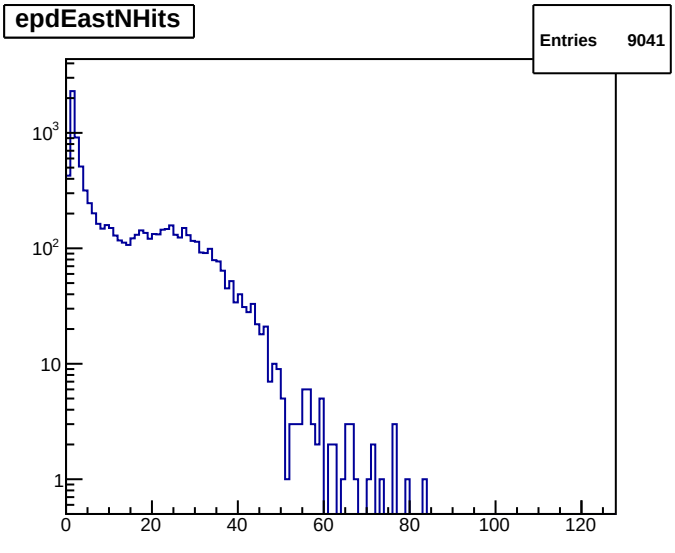

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

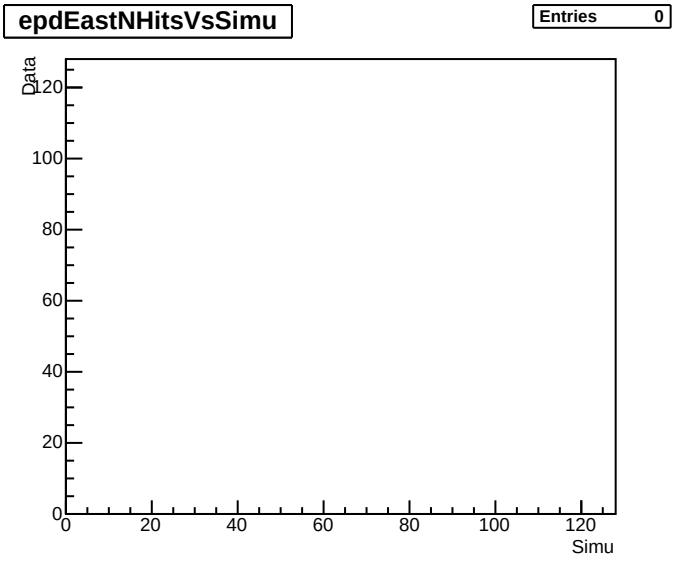

epdEastTac03
Entries 9041
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

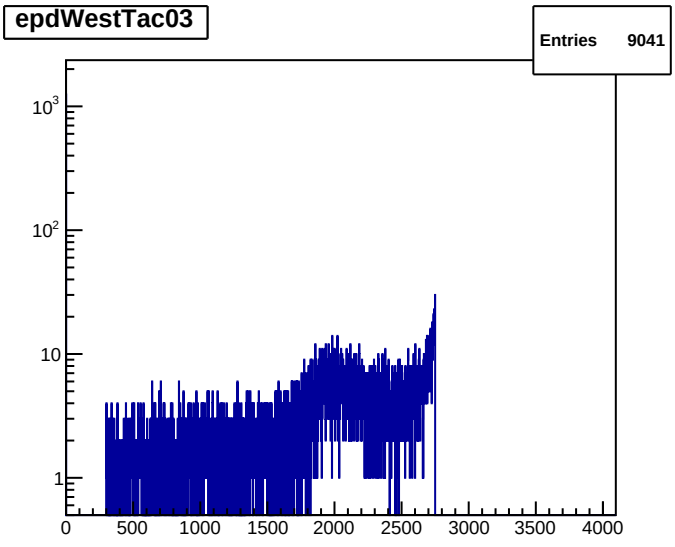

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

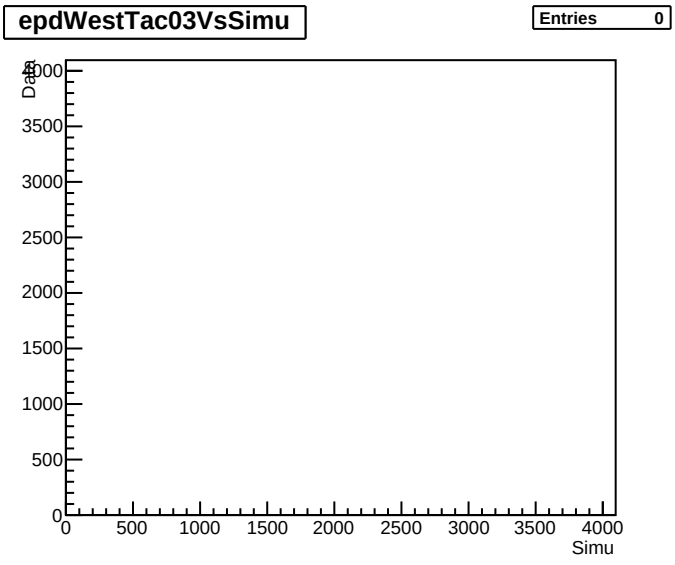

epdEastTac47
Entries 9041
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

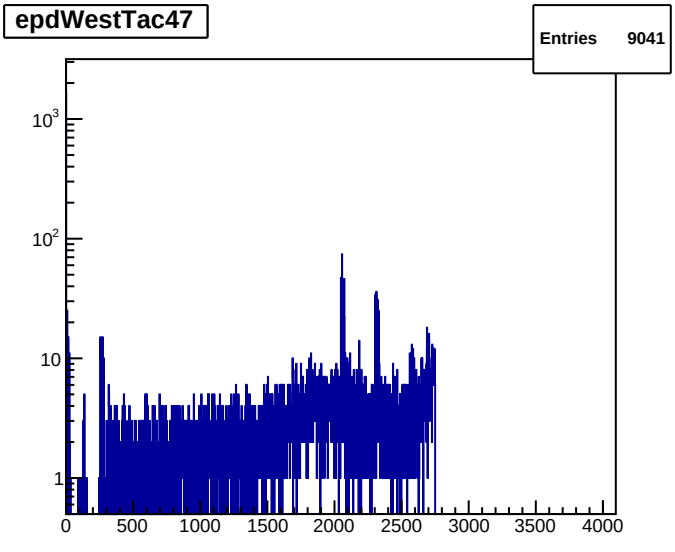

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

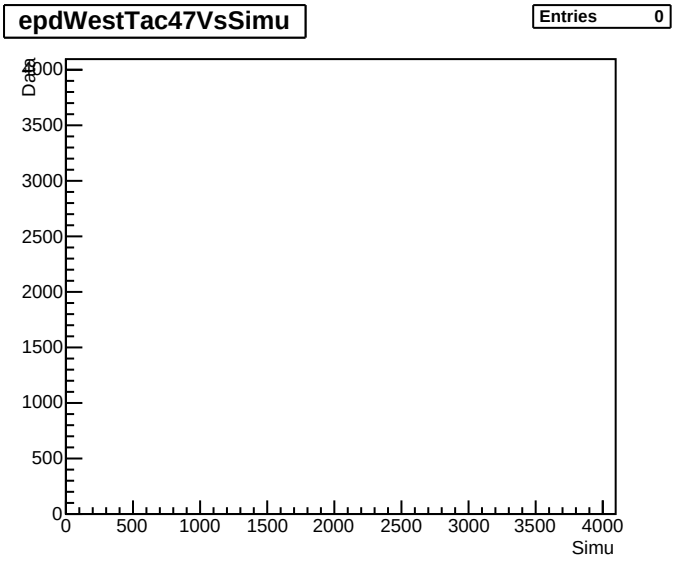

epdEastNHits
Entries 9041
10^3
10^2
10
1
0 20 40 60 80 100 120

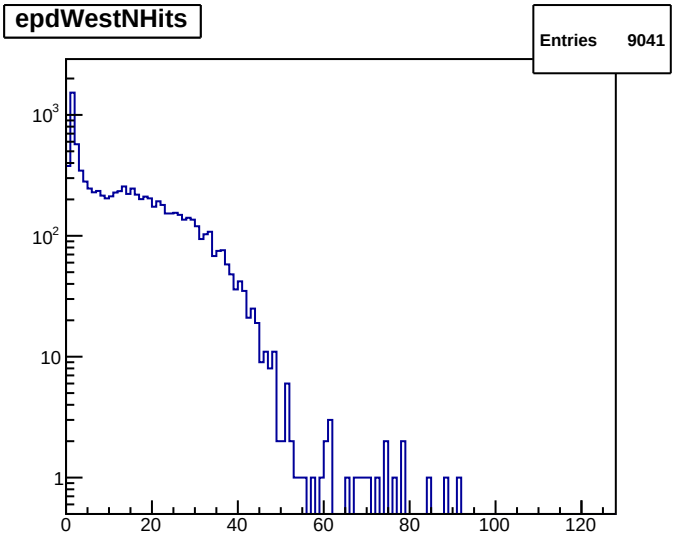

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

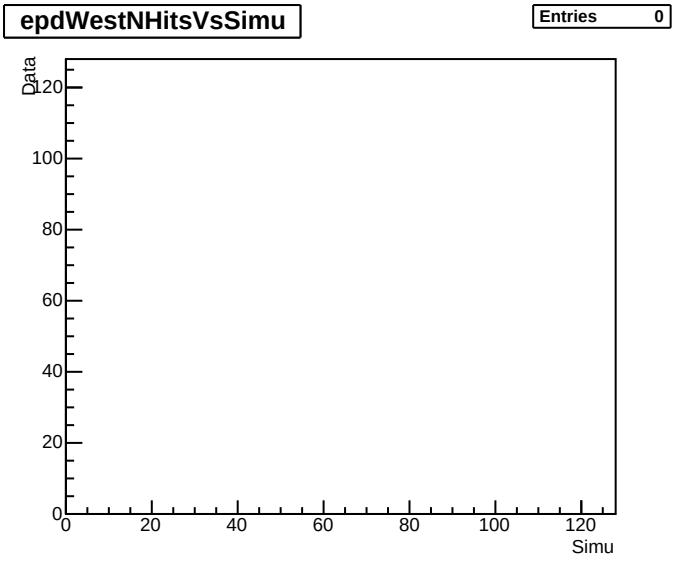

epdWestTac03
Entries 9041

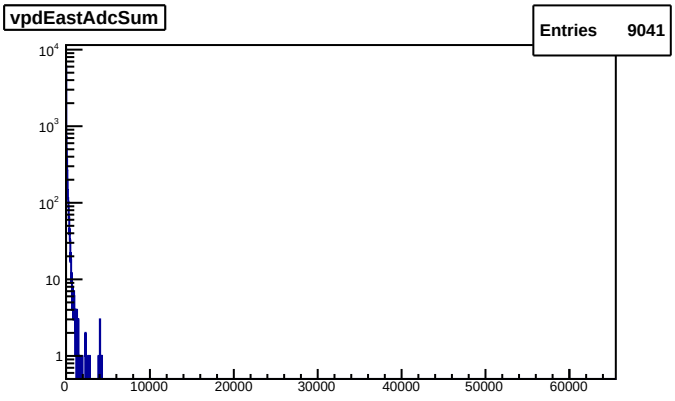

epdWestTac03VsSimu
Entries 0
Data
Simu

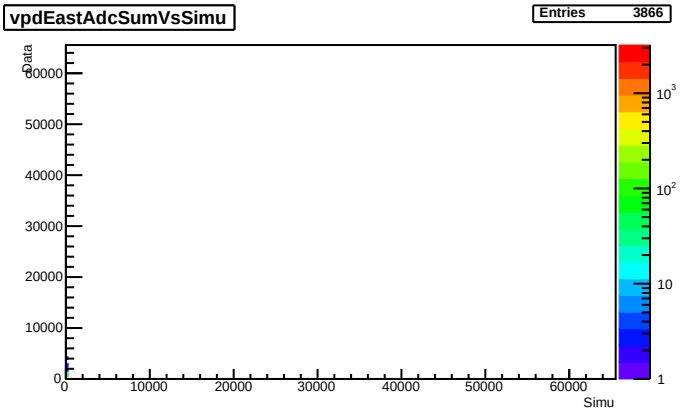

epdWestTac47
Entries 9041

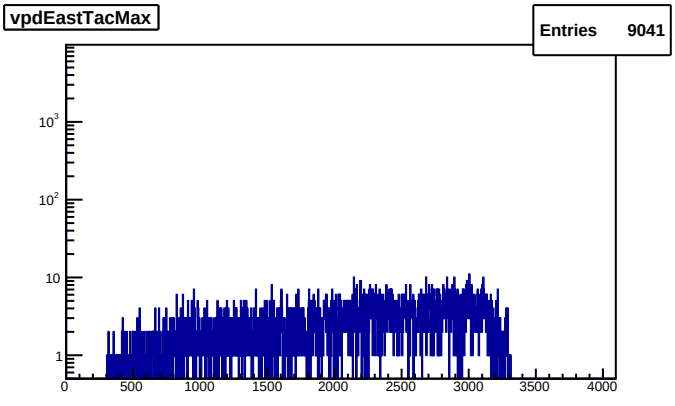

epdWestTac47VsSimu
Entries 0
Data
Simu

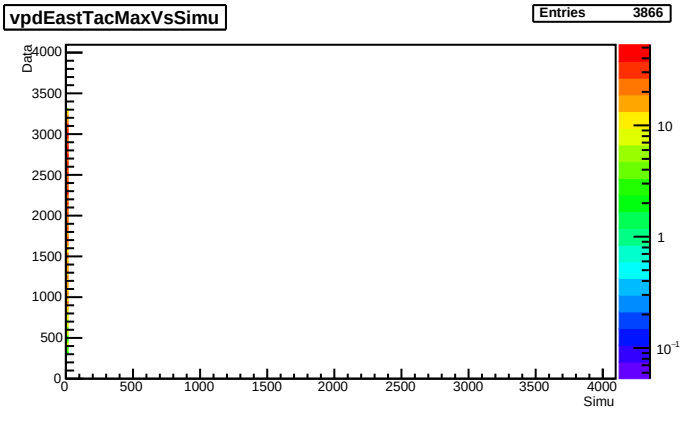

epdWestNHits
Entries 9041

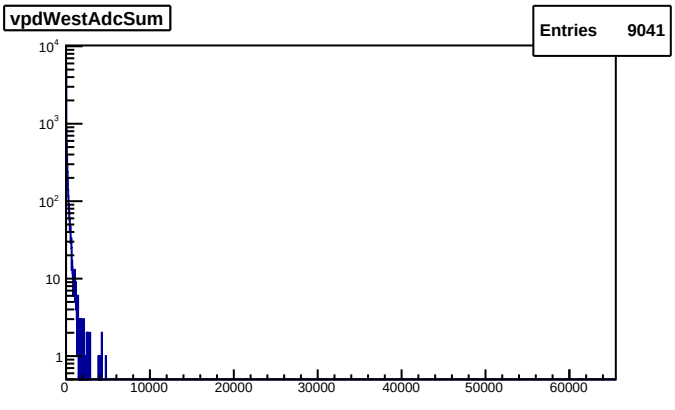

epdWestNHitsVsSimu
Entries 0
Data
Simu

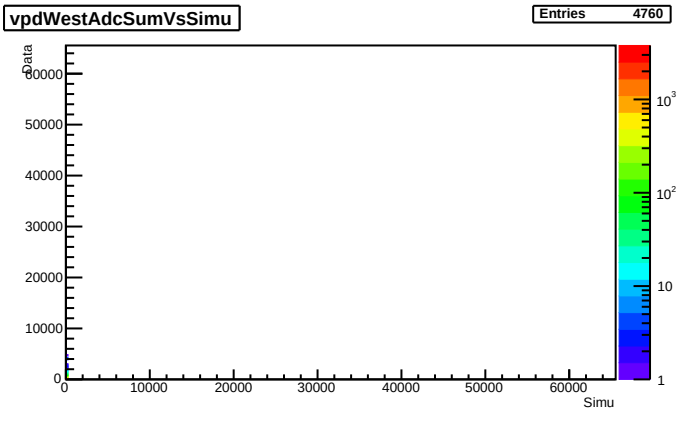

vpdEastAdcSum
Entries 9041

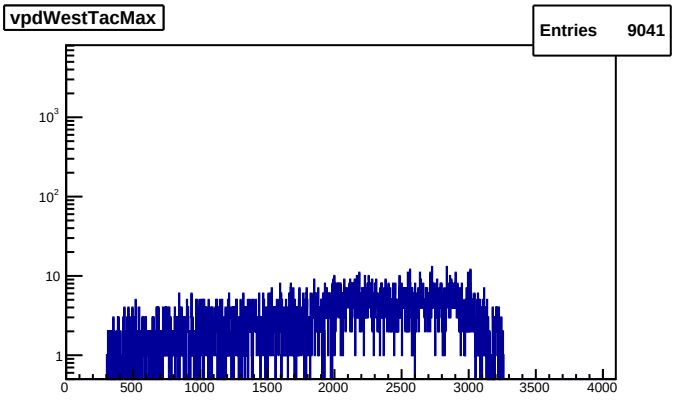

vpdEastAdcSumVsSimu
Entries 3866
Data
Simu

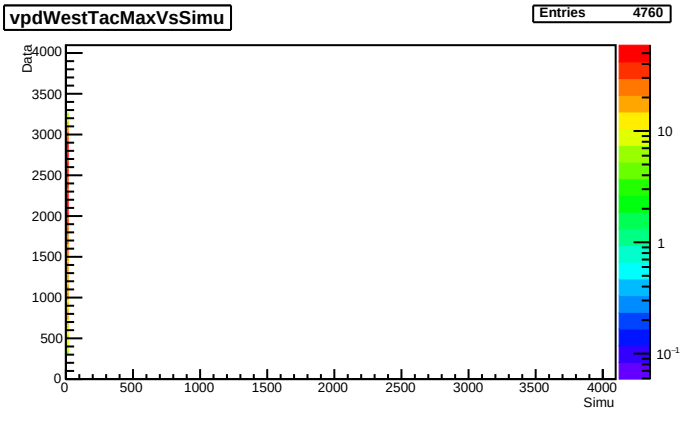

vpdEastTacMax
Entries 9041

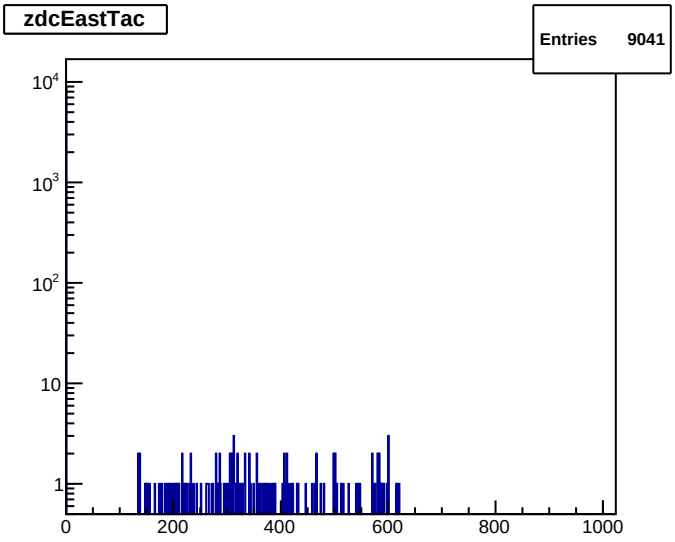

vpdEastTacMaxVsSimu
Entries 3866
Data
Simu

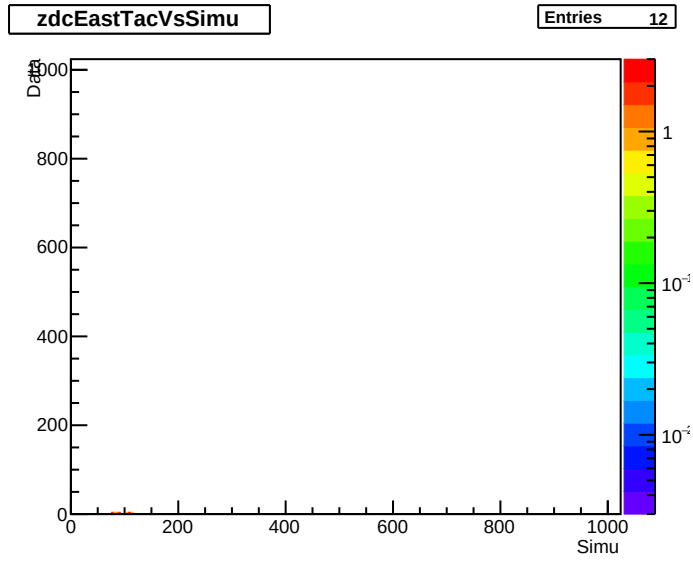

vpdWestAdcSum
Entries 9041

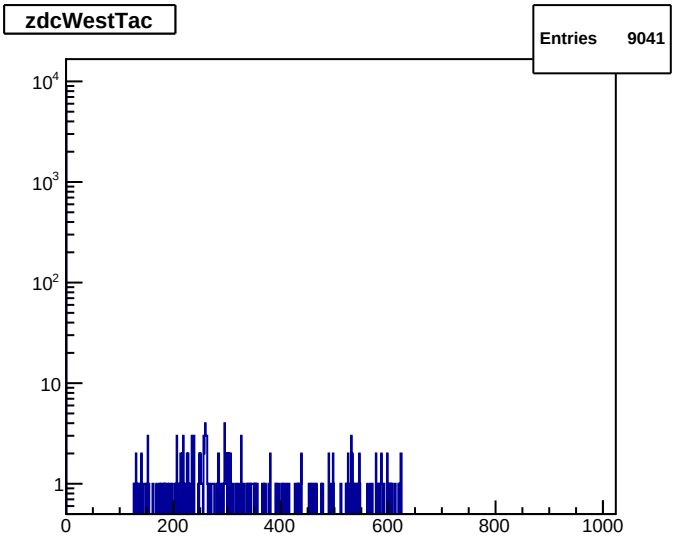

vpdWestAdcSumVsSimu
Entries 4760
Data
Simu

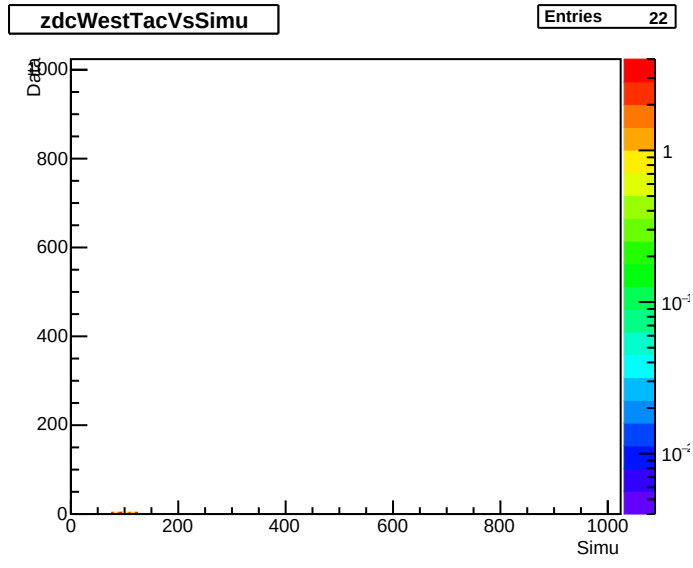

vpdWestTacMax
Entries 9041

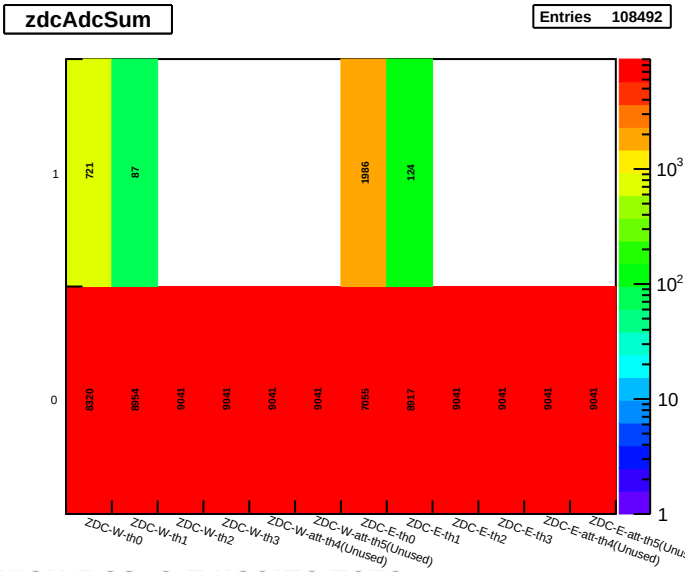

vpdWestTacMaxVsSimu
Entries 4760
Data
Simu

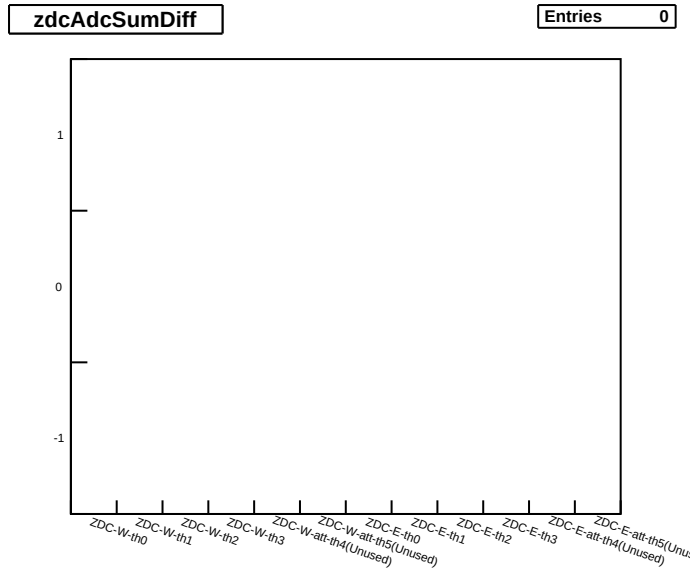

zdcEastTac
Entries 9041

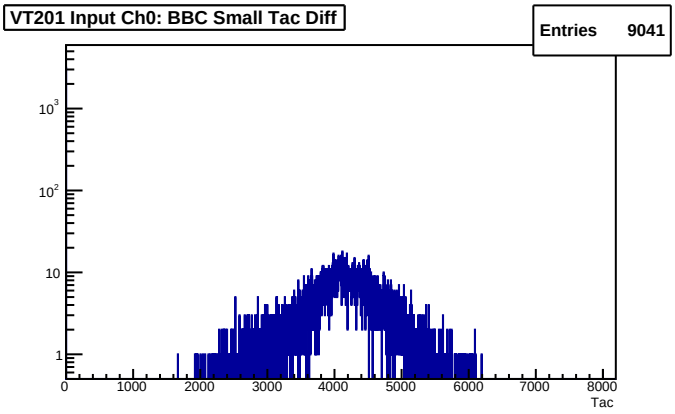

zdcEastTacVsSimu
Entries 12
Data
Simu

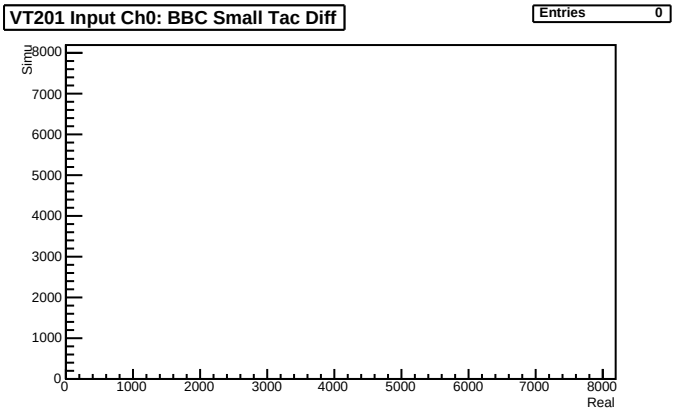

zdcWestTac
Entries 9041

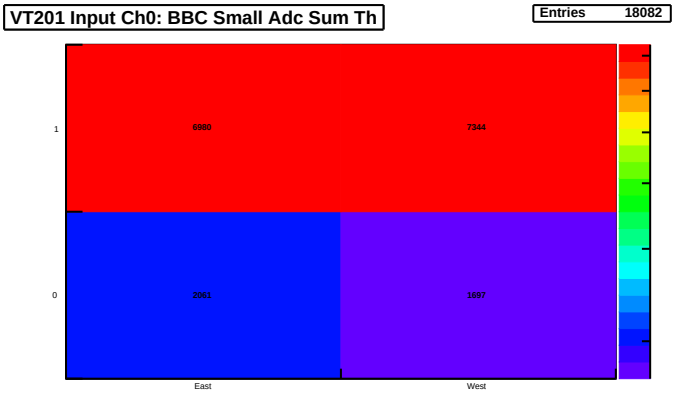

zdcWestTacVsSimu
Entries 22
Data
Simu

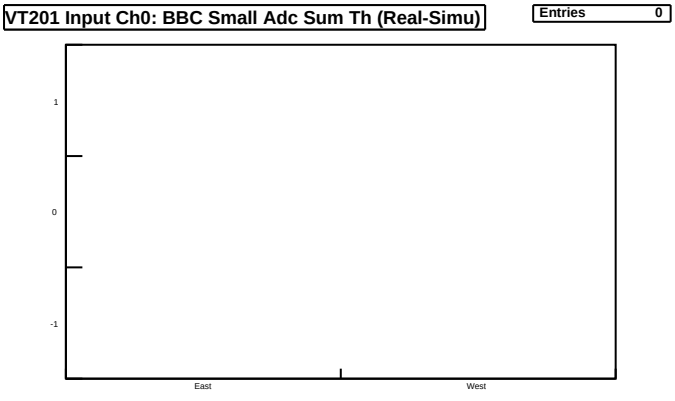

zdcAdcSum
Entries 108492
721
87
1986
124
8320
8954
9041
9041
9041
9041
7055
8917
9041
9041
9041
9041
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

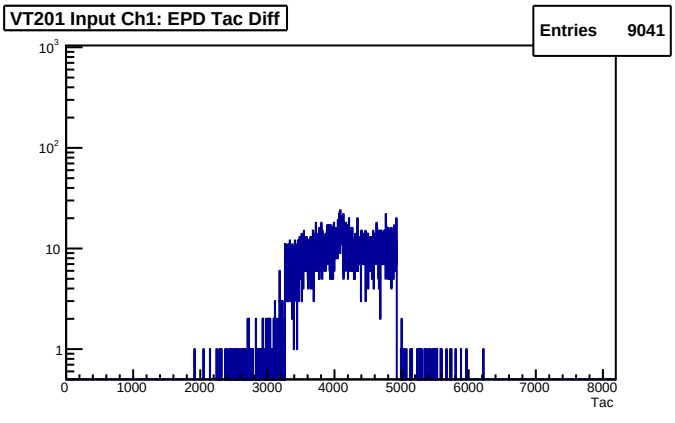

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

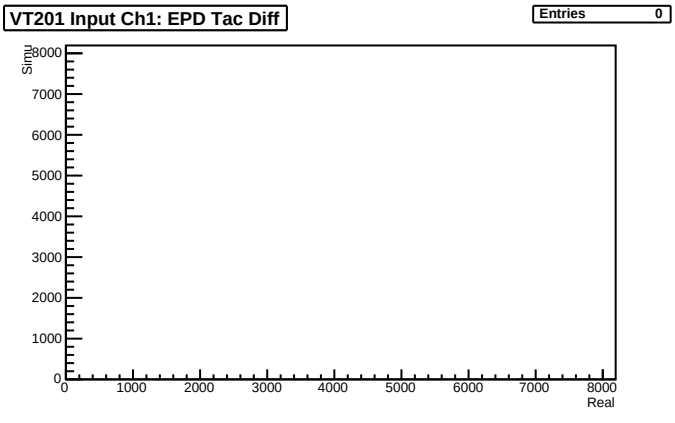

VT201 Input Ch0: BBC Small Tac Diff
Entries 9041
Tac

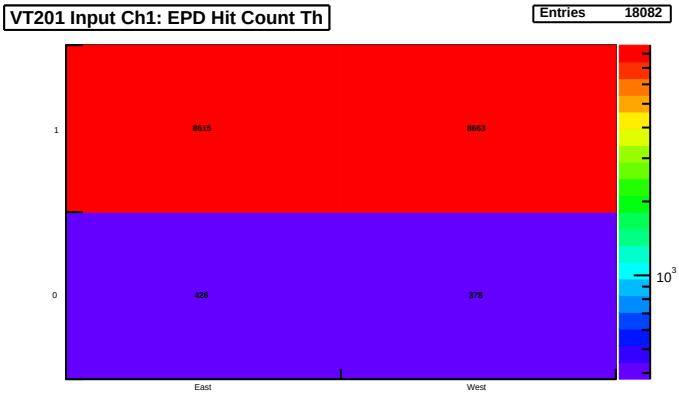

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

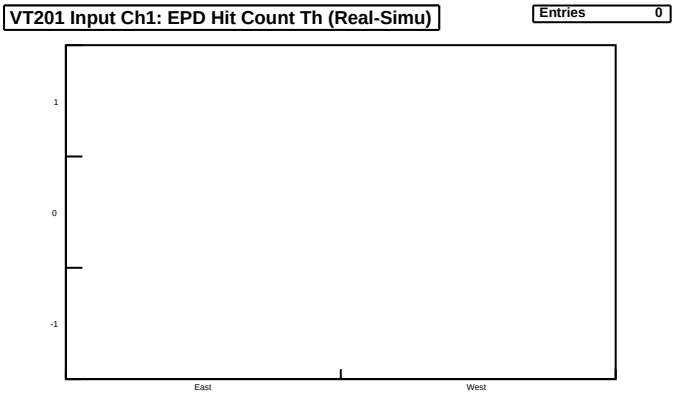

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 18082
6980
7344
2061
1697
East
West

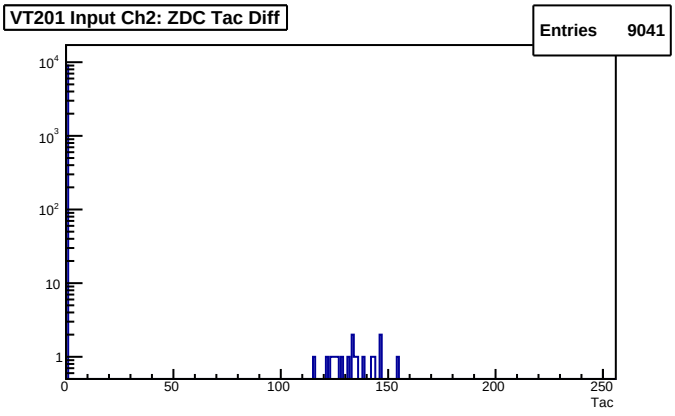

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

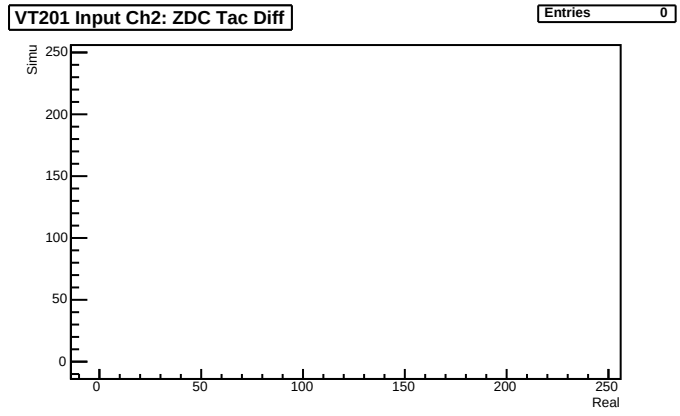

VT201 Input Ch1: EPD Tac Diff
Entries 9041
Tac

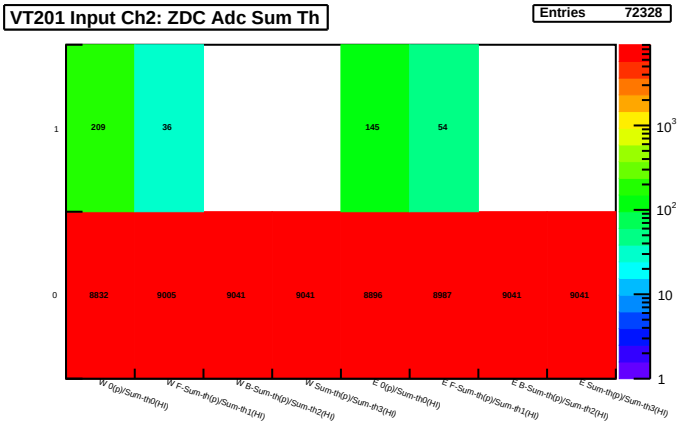

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

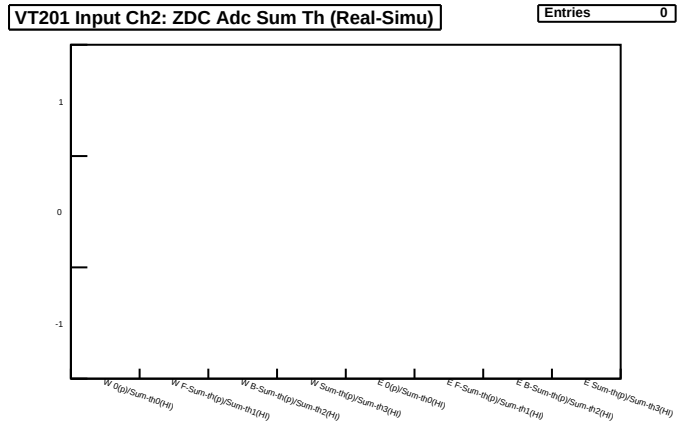

VT201 Input Ch1: EPD Hit Count Th
Entries 18082
8615
8663
426
378
East
West

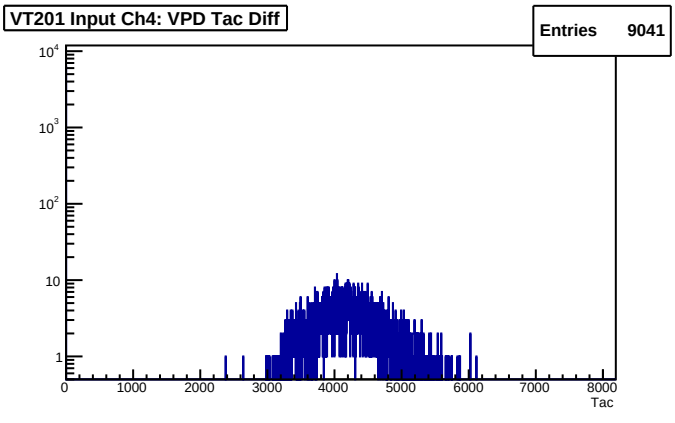

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

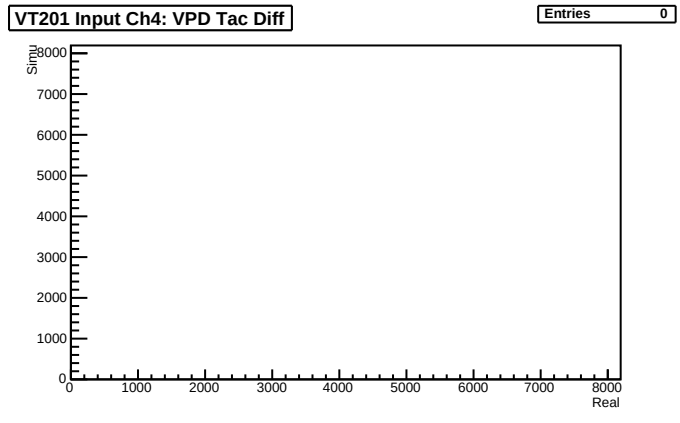

VT201 Input Ch2: ZDC Tac Diff
Entries 9041
Tac

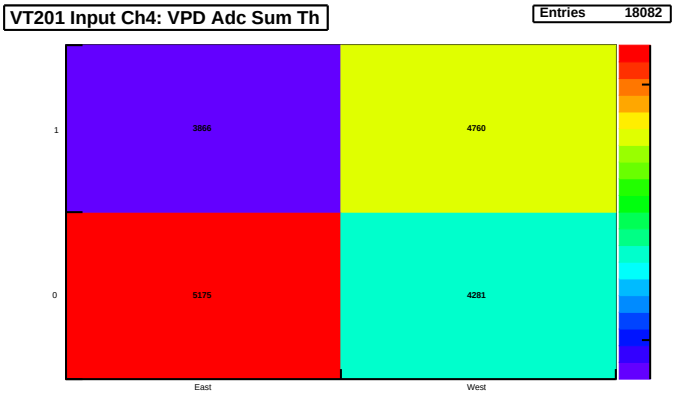

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

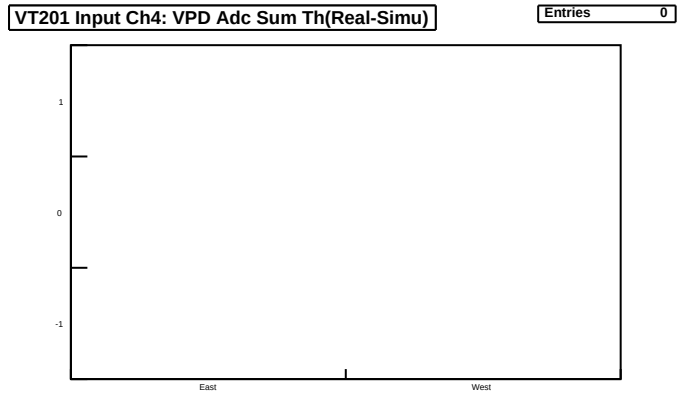

VT201 Input Ch2: ZDC Adc Sum Th
Entries 72328
209
36
145
54
8832
9005
9041
9041
8896
8987
9041
9041
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

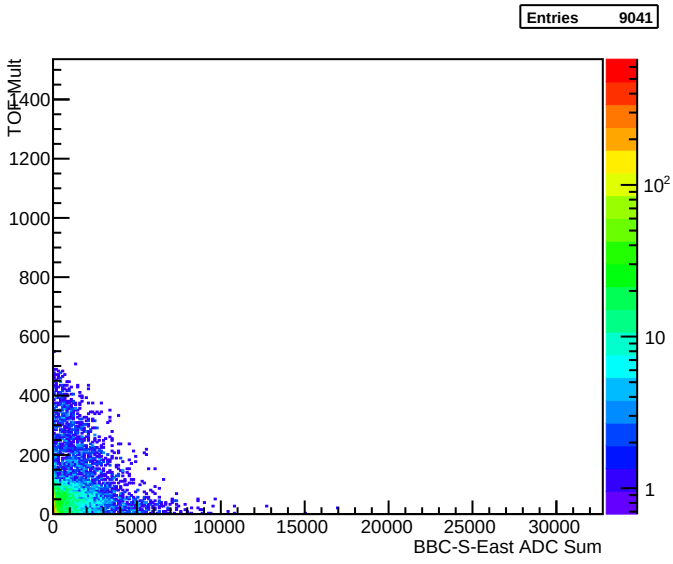

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

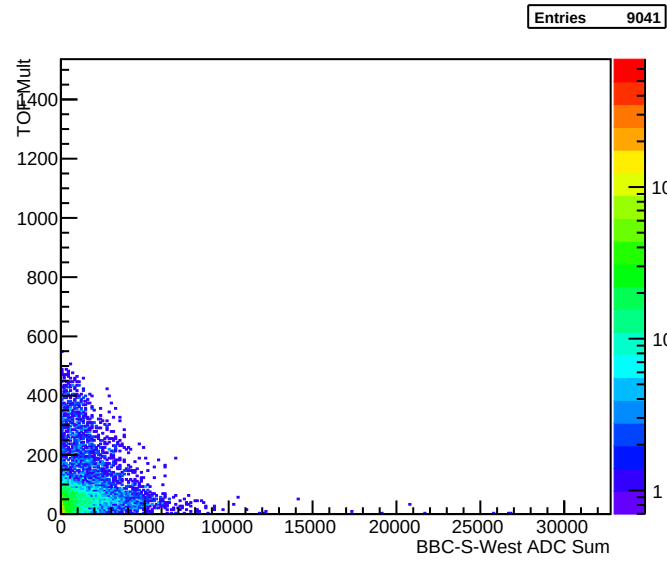

VT201 Input Ch4: VPD Tac Diff
Entries 9041
Tac

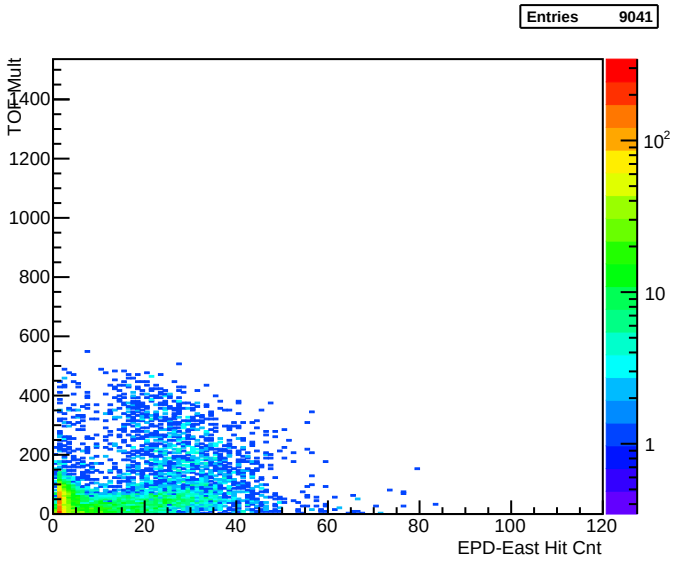

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

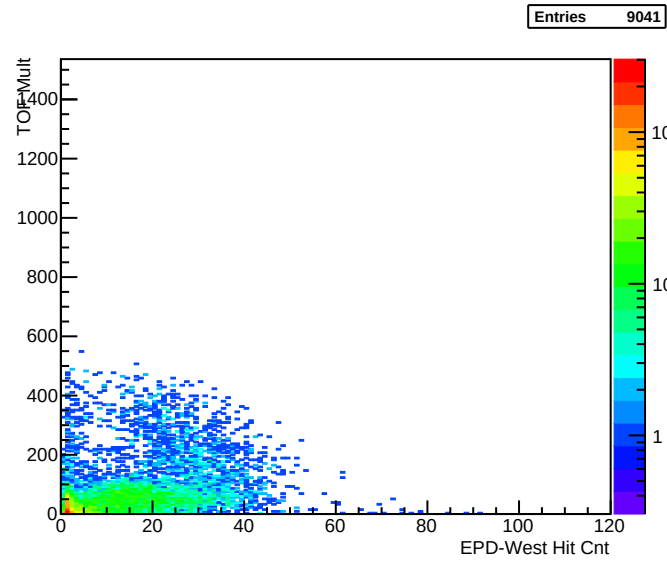

VT201 Input Ch4: VPD Adc Sum Th
Entries 18082
3866
4760
5175
4281
East
West

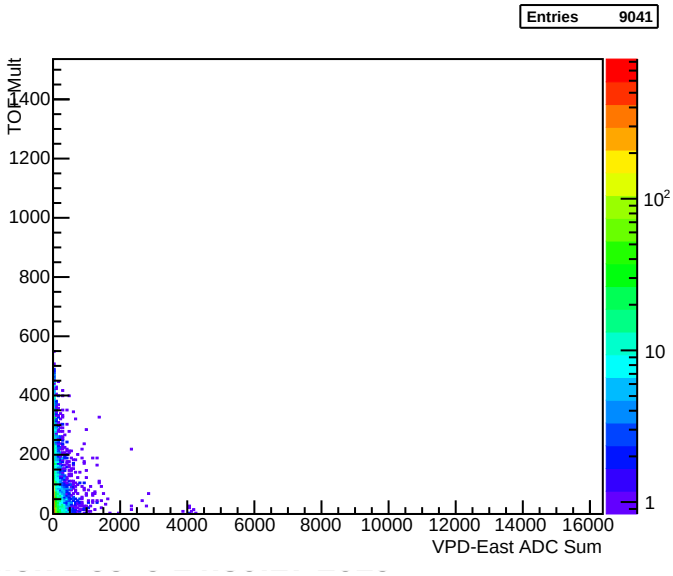

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

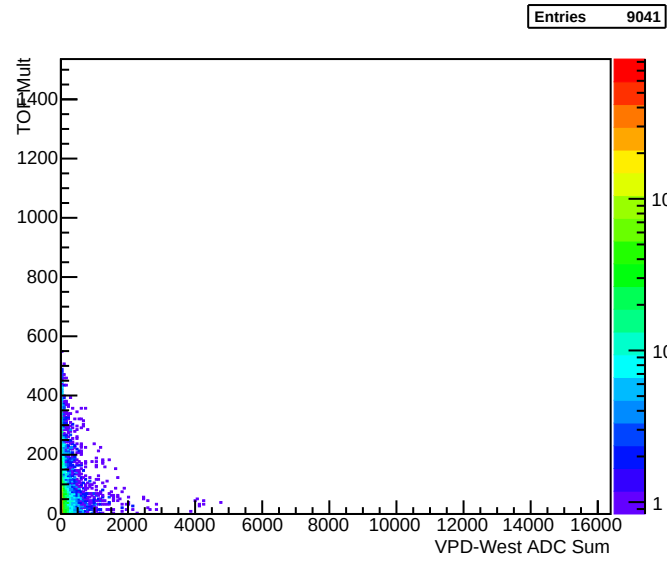

Entries 9041
TOF-Mult
BBC-S-East ADC Sum

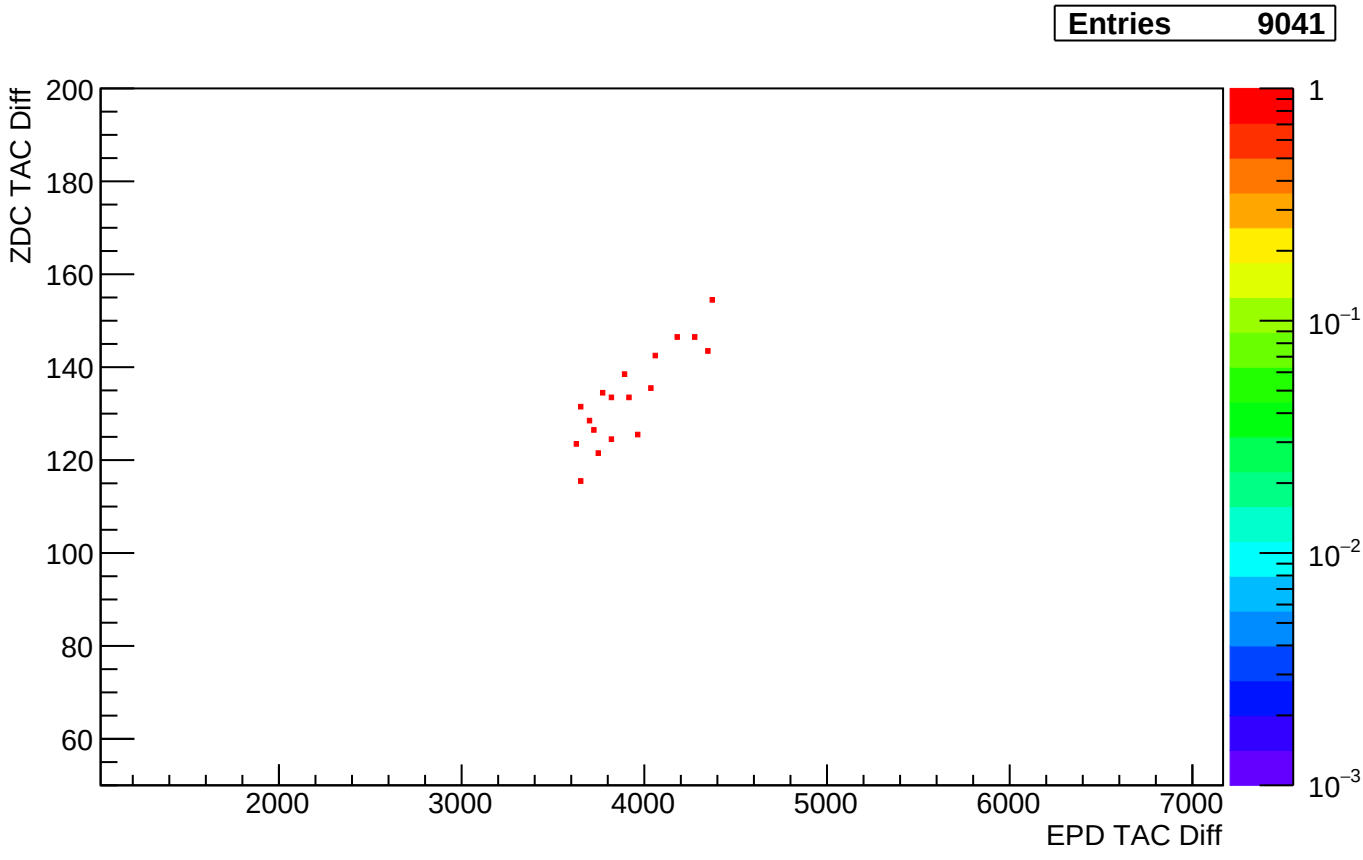

Entries 9041
TOF-Mult
BBC-S-West ADC Sum

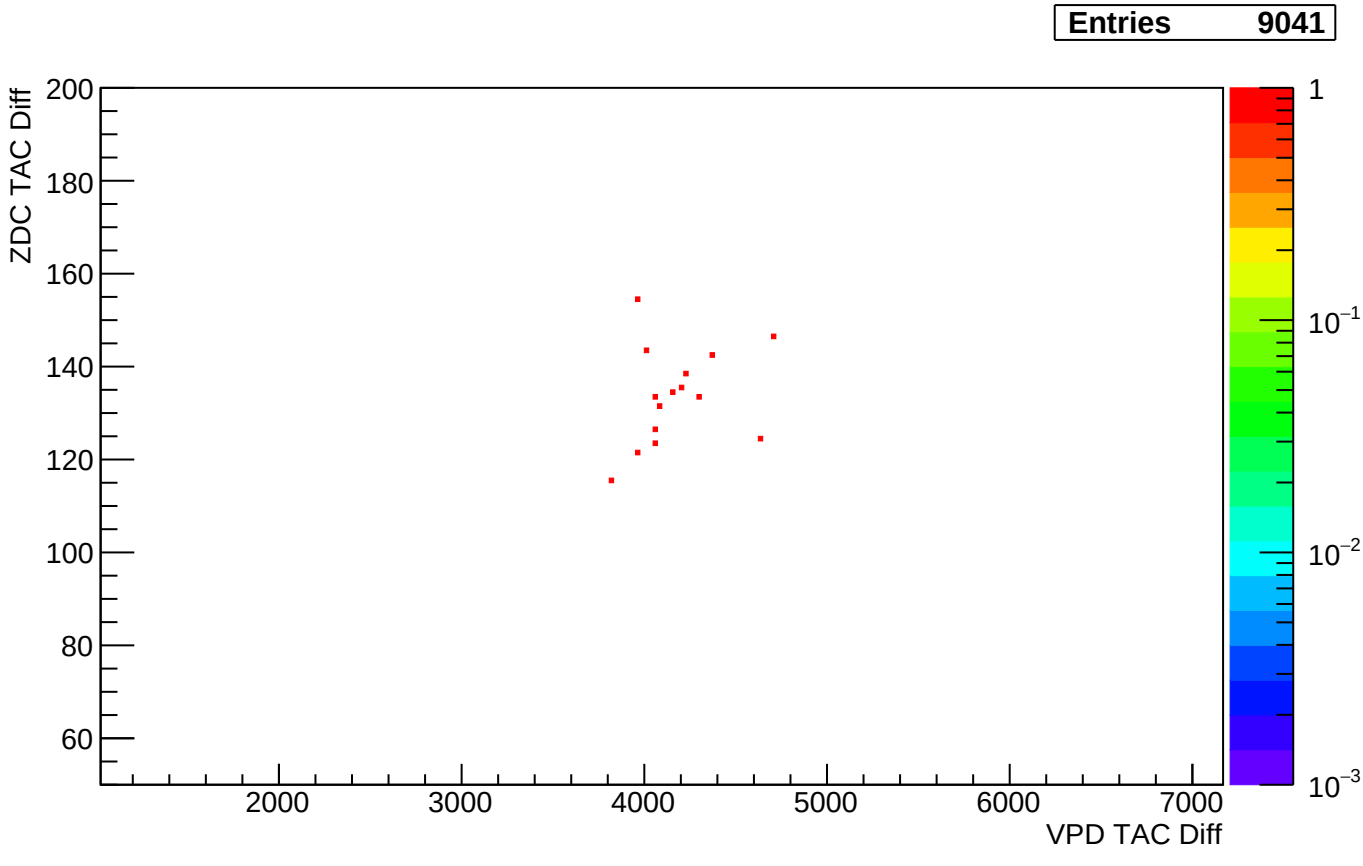

Entries 9041
TOF-Mult
EPD-East Hit Cnt

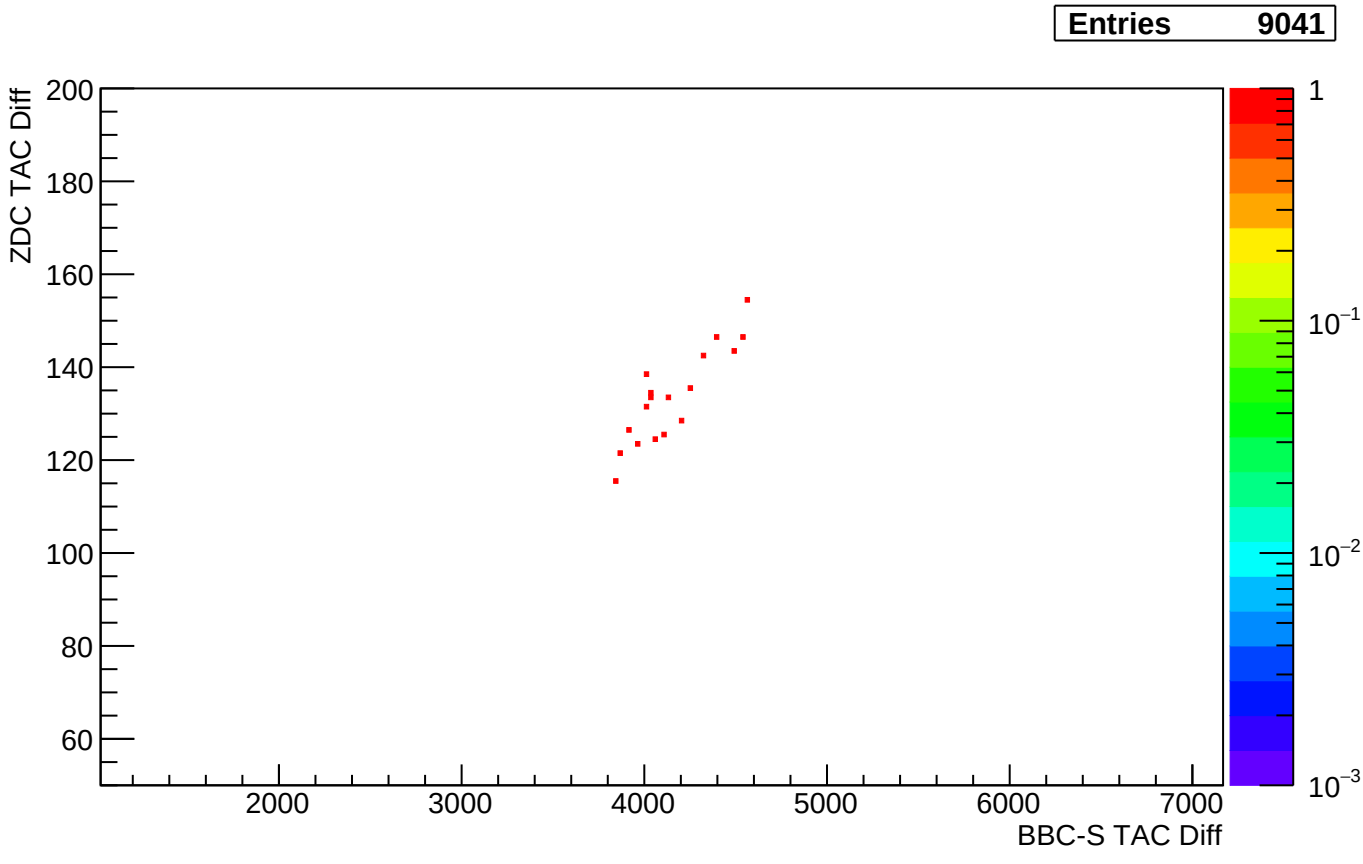

Entries 9041
TOF-Mult
EPD-West Hit Cnt

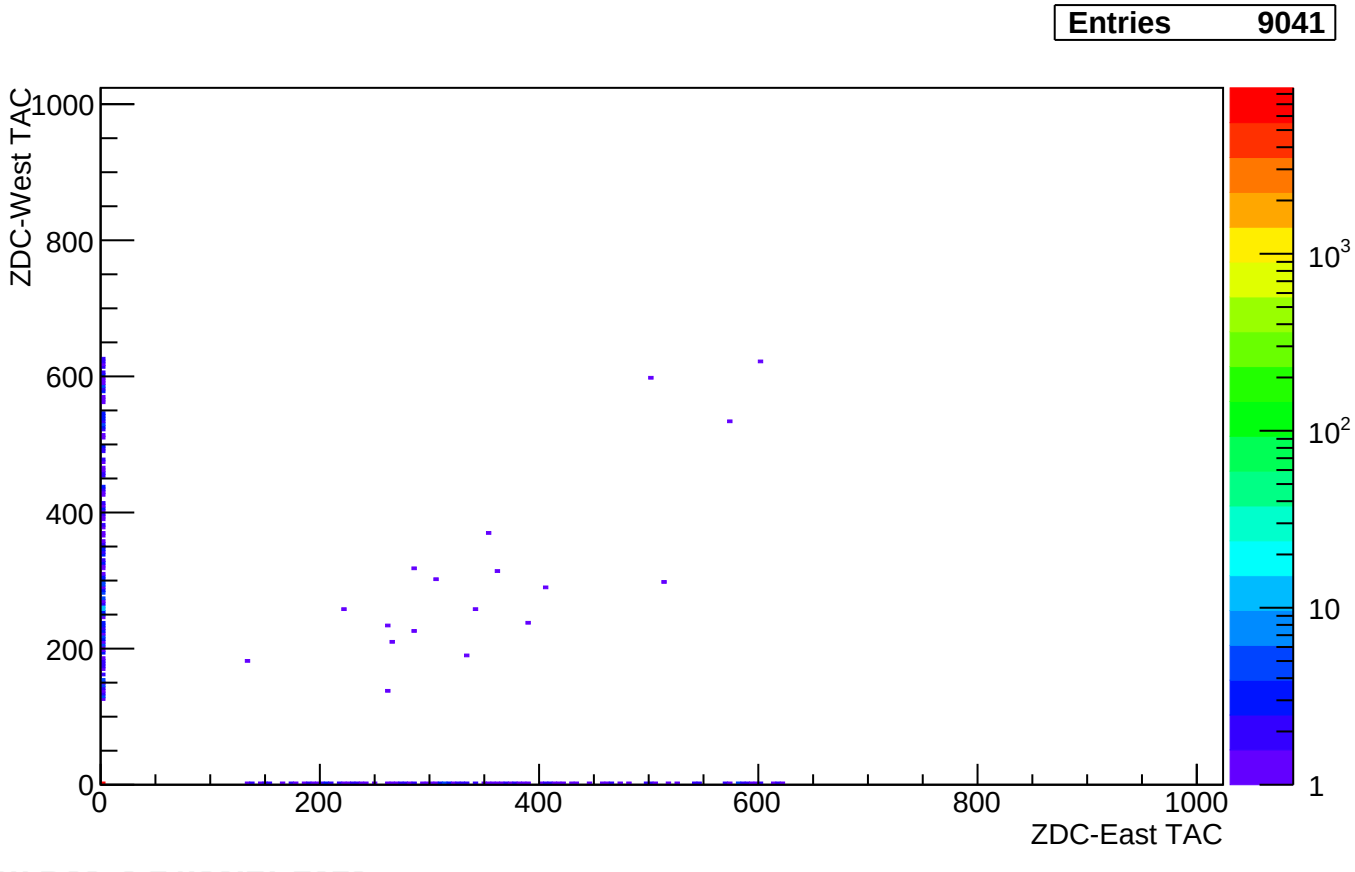

Entries 9041
TOF-Mult
VPD-East ADC Sum

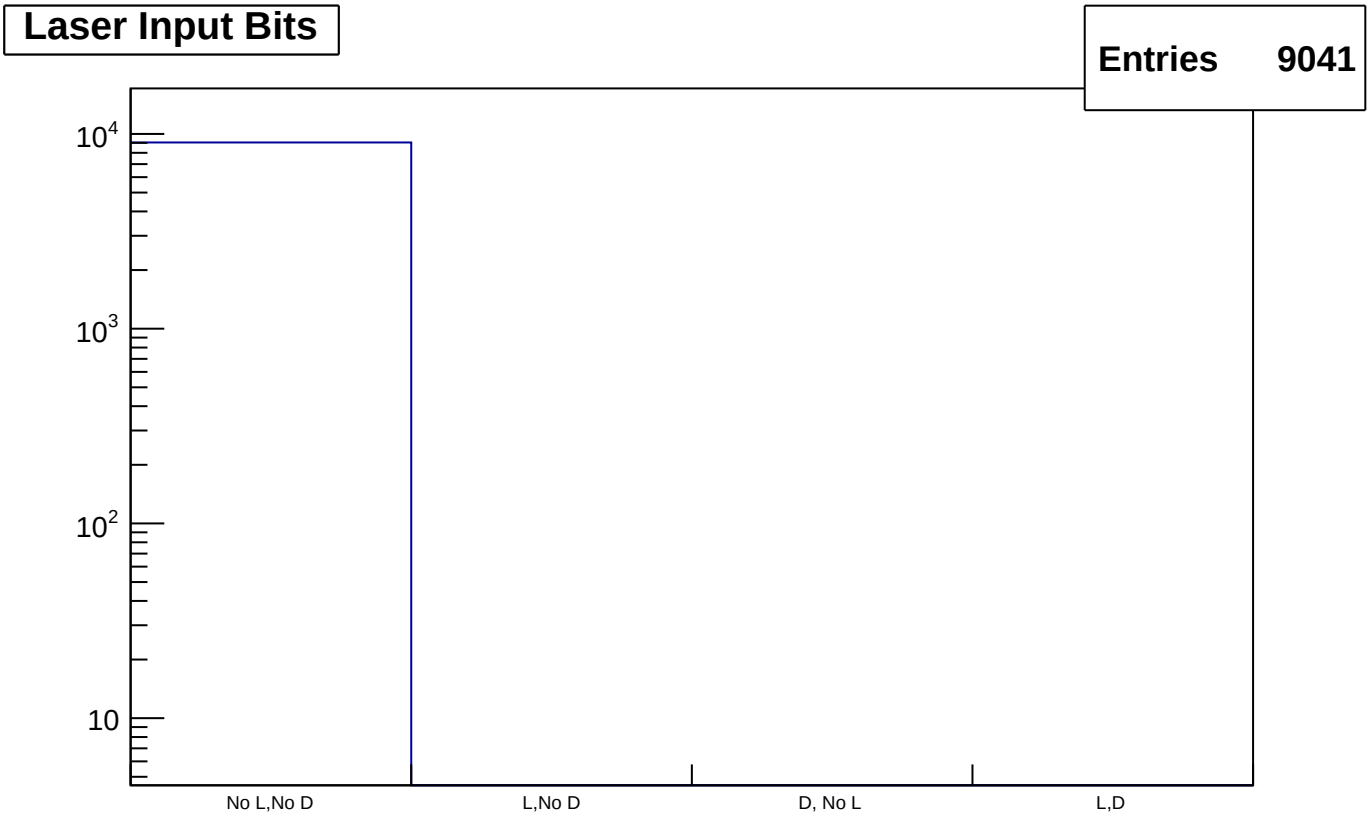

Entries 9041
TOF-Mult
VPD-West ADC Sum

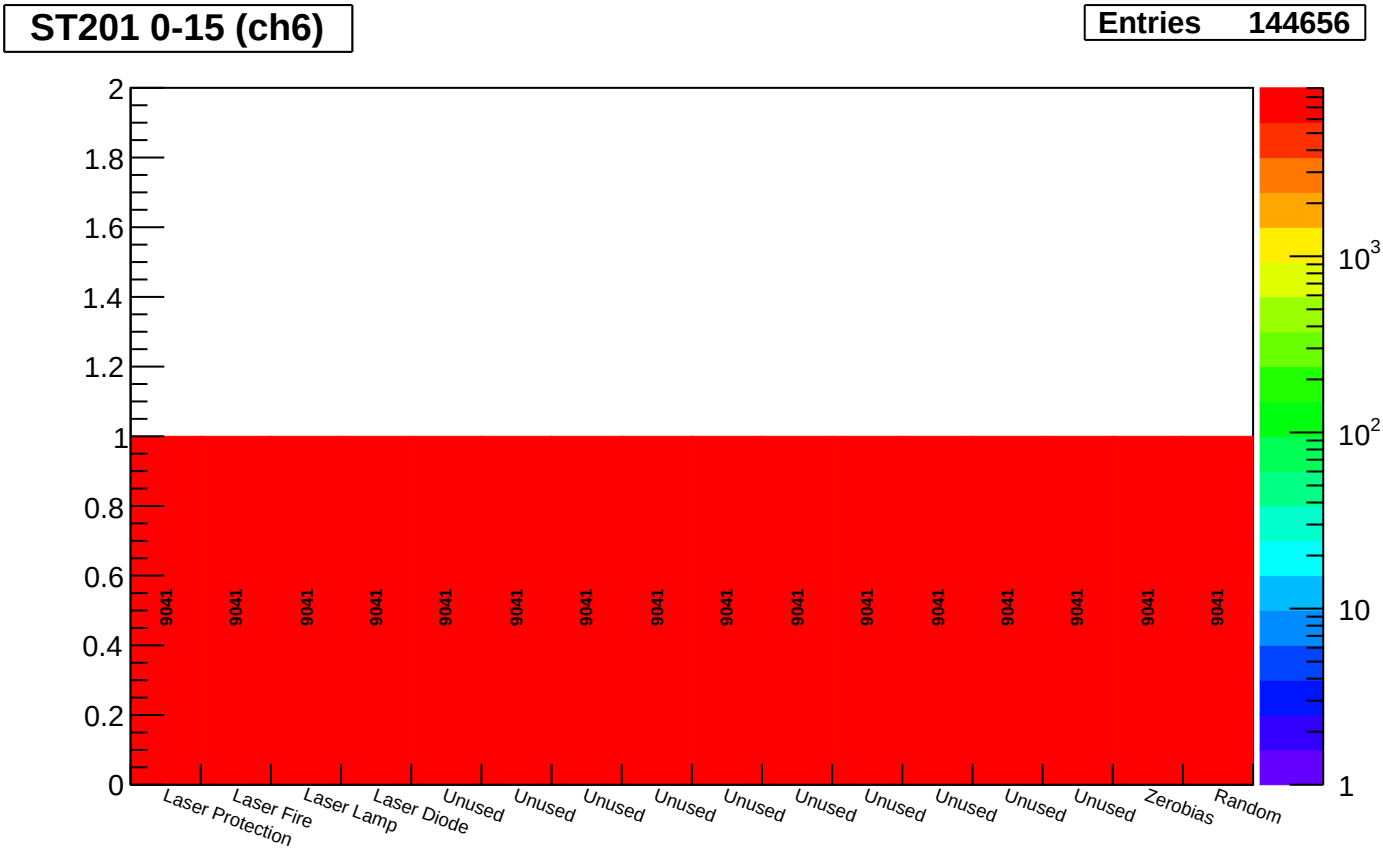

Entries 9041
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

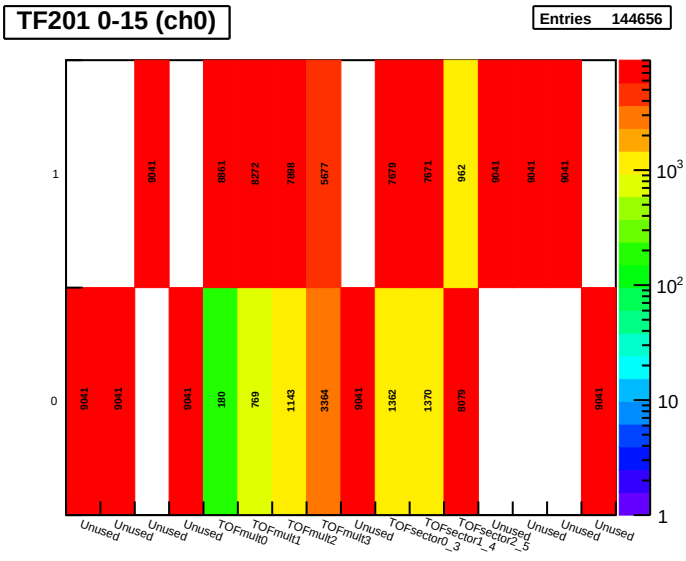

Entries 9041
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

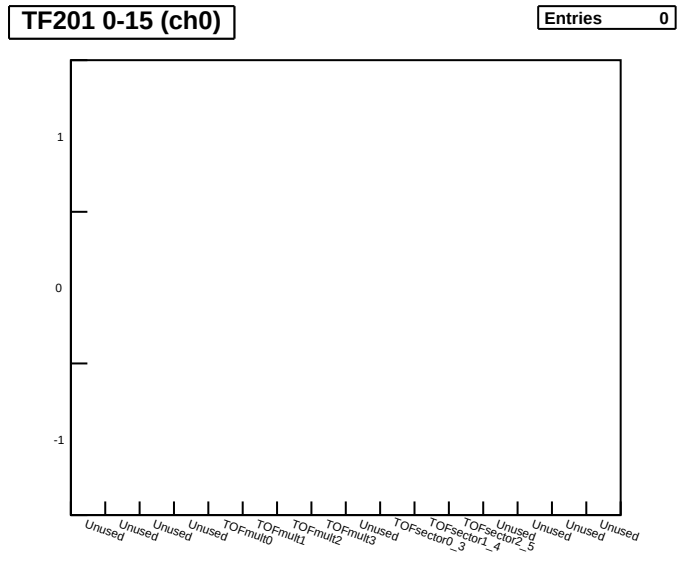

Entries 9041
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

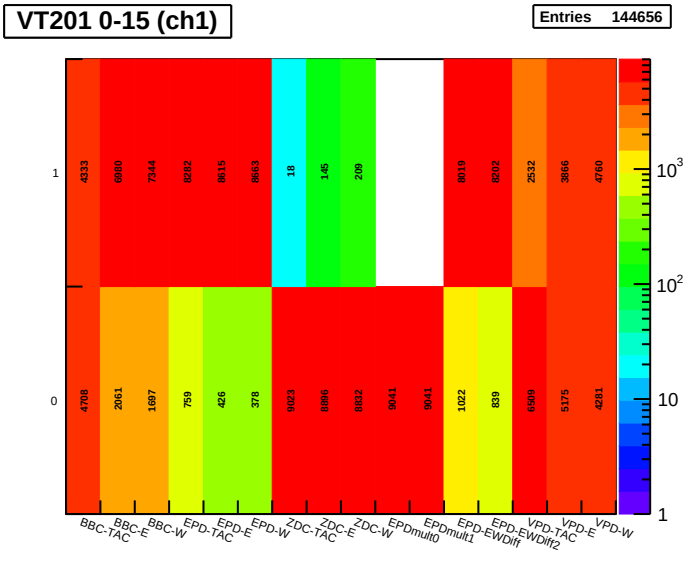

Entries 9041
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^3
10^2
10
1

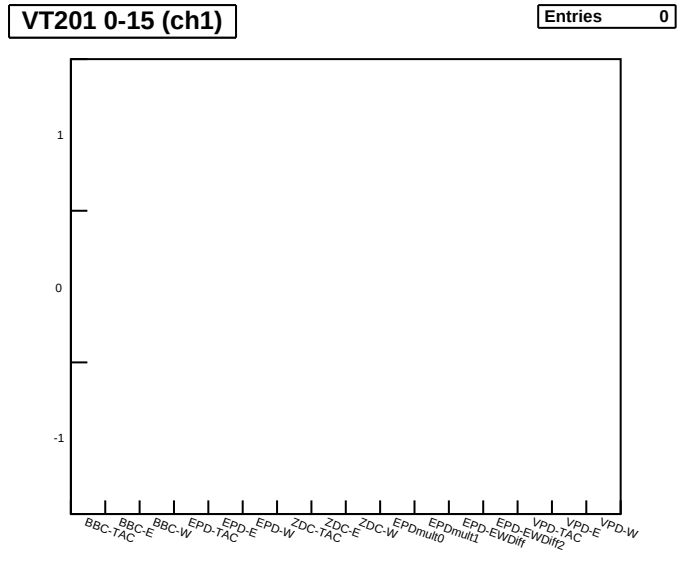

Laser Input Bits
Entries 9041
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

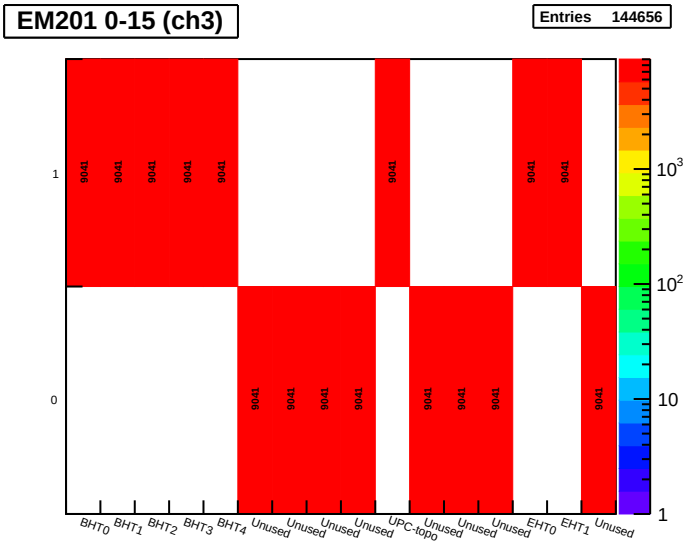

ST201 0-15 (ch6)
Entries 144656
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
9041
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

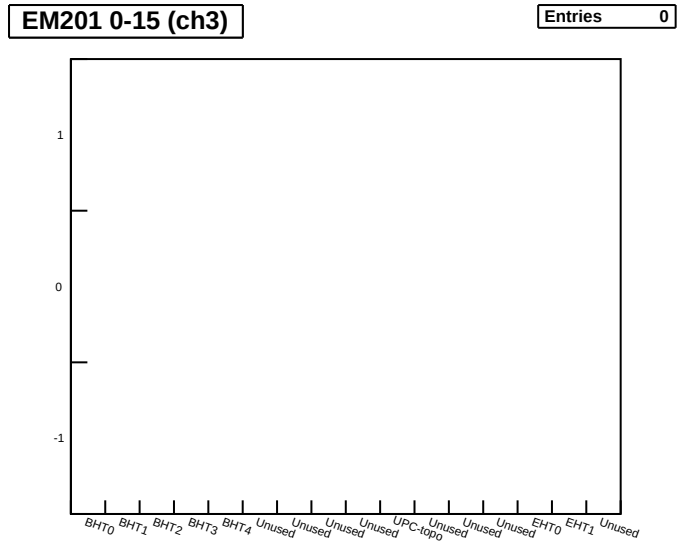

TF201 0-15 (ch0)
Entries 144656
1
0
9041 8861 8272 7898 5677 7679 7671 962 9041 9041 9041
9041 9041 9041 180 769 1143 3364 9041 1362 1370 8079 9041
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


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 144656
1
0
4333 6980 7344 8282 8615 8663 18 145 209 8019 8202 2532 3866 4760
4708 2061 1697 759 426 378 9023 8896 8832 9041 9041 1022 839 6509 5175 4281
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
10^3
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 144656
1
0
9041 9041 9041 9041 9041 9041 9041 9041
9041 9041 9041 9041 9041 9041 9041 9041
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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