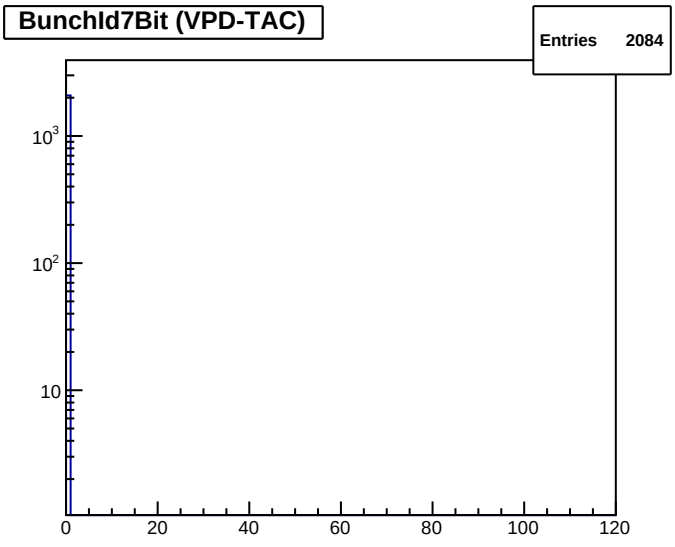
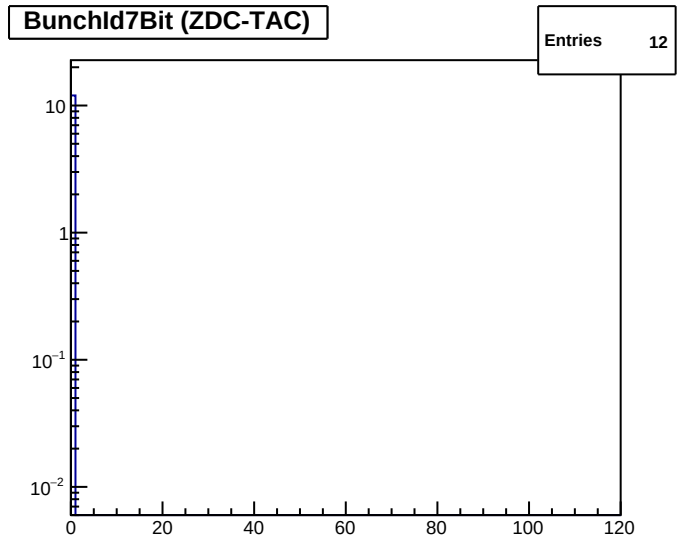
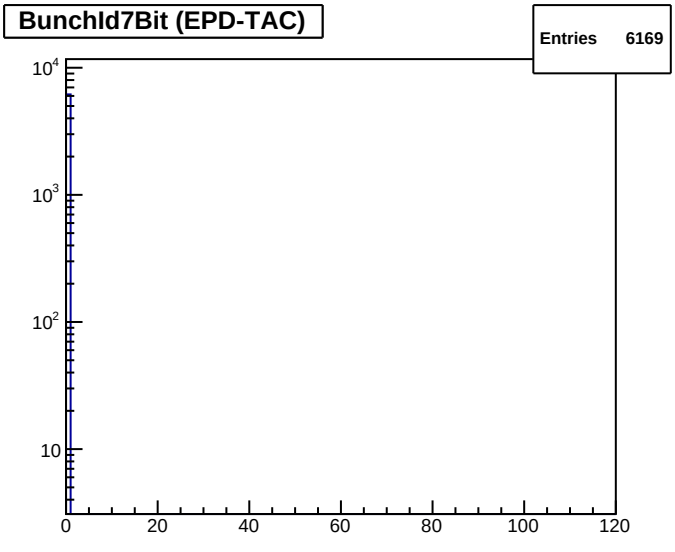
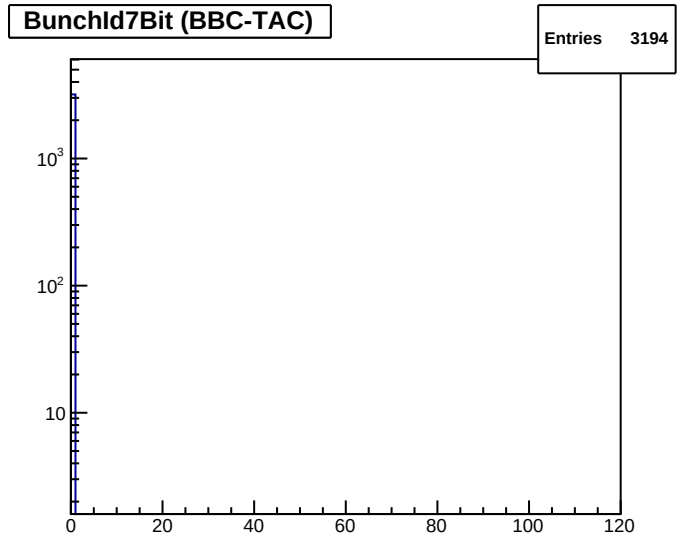
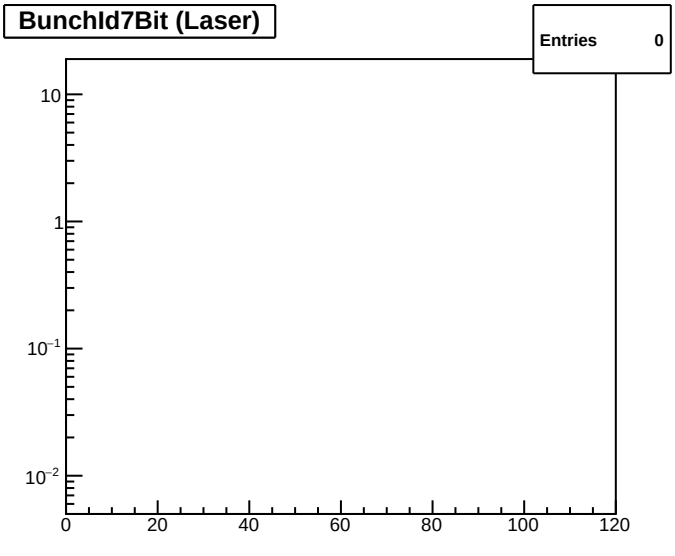
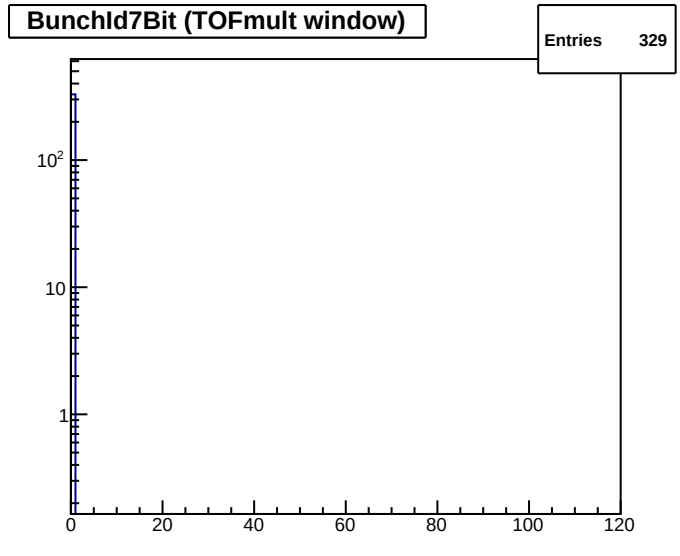

BunchId7Bit (VPD-TAC)
Entries 2084
10^3
10^2
10
0 20 40 60 80 100 120

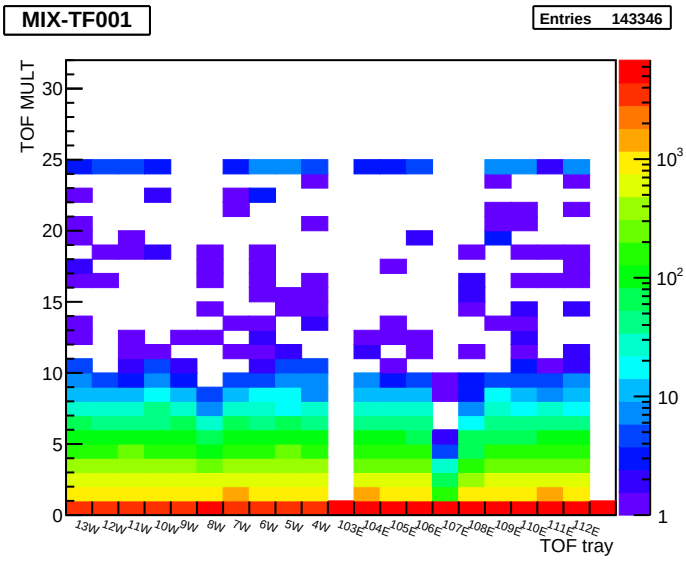

BunchId7Bit (ZDC-TAC)
Entries 12
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

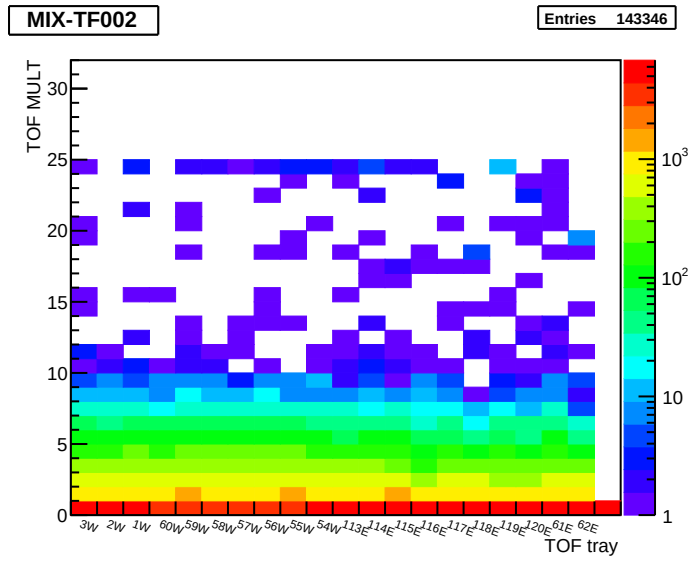

BunchId7Bit (EPD-TAC)
Entries 6169
10^4
10^3
10^2
10
0 20 40 60 80 100 120

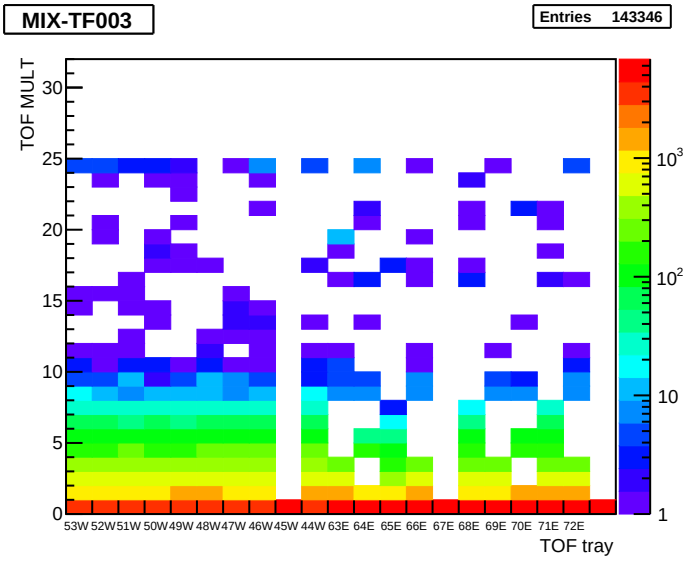

BunchId7Bit (BBC-TAC)
Entries 3194
10^3
10^2
10
0 20 40 60 80 100 120

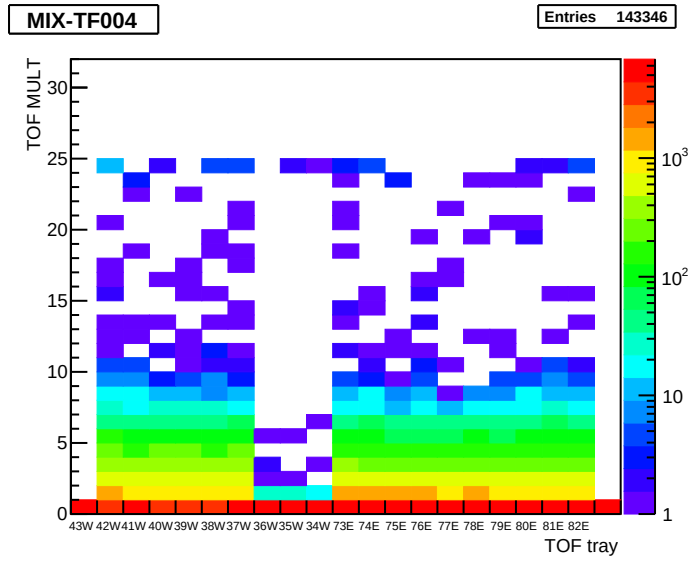

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

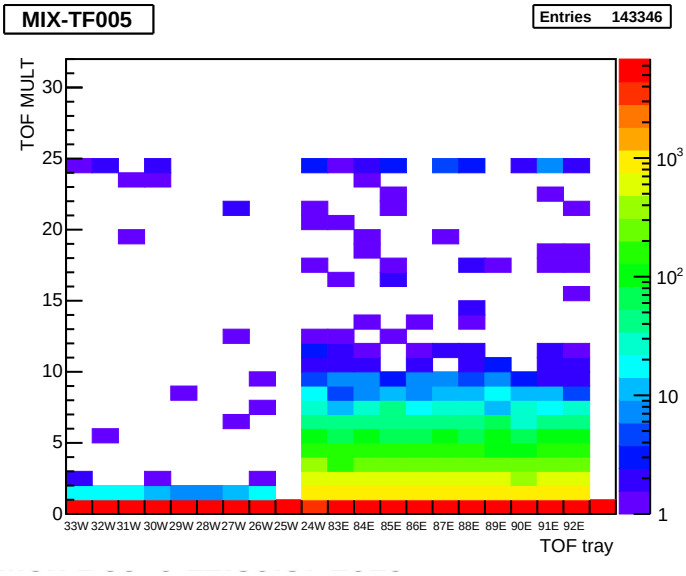

BunchId7Bit (TOFmult window)
Entries 329
10^2
10
1
0 20 40 60 80 100 120

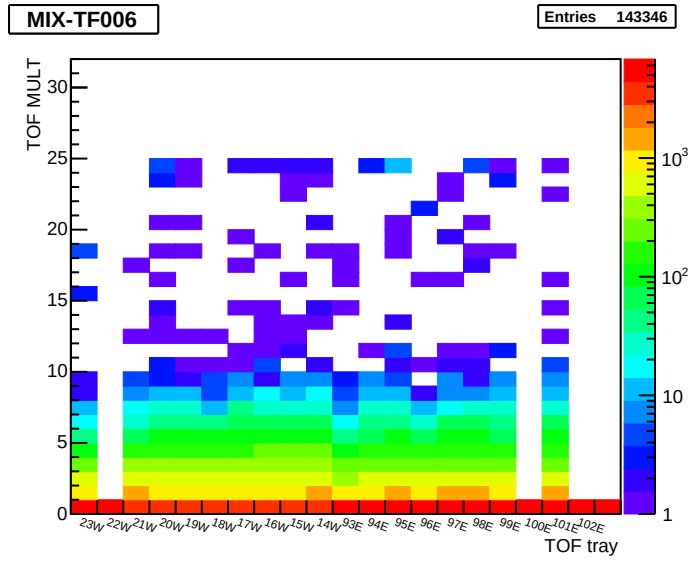

MIX-TF001
Entries 143346
TOF MULT
TOF tray

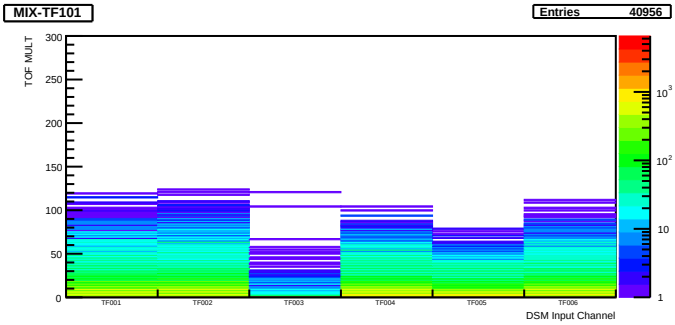

MIX-TF002
Entries 143346
TOF MULT
TOF tray

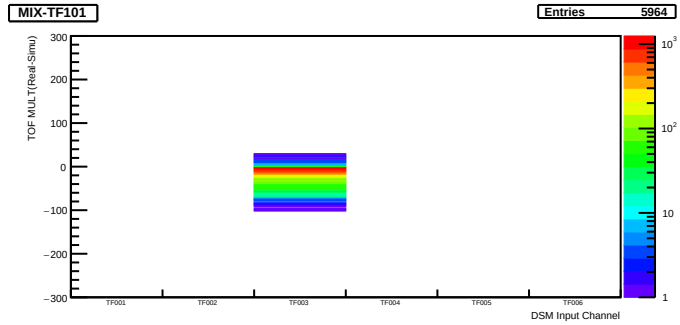

MIX-TF003
Entries 143346
TOF MULT
TOF tray

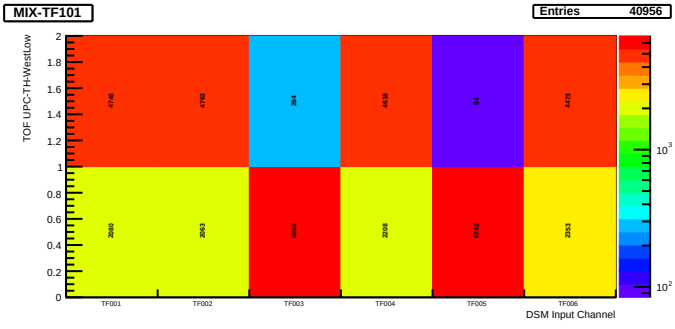

MIX-TF004
Entries 143346
TOF MULT
TOF tray

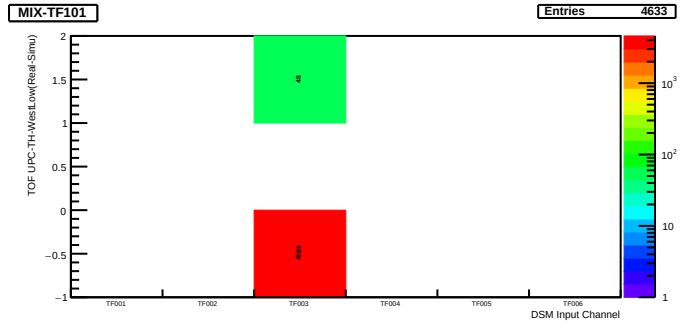

MIX-TF005
Entries 143346
TOF MULT
TOF tray

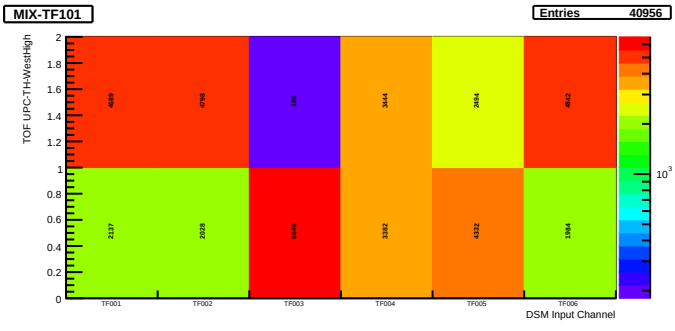

MIX-TF006
Entries 143346
TOF MULT
TOF tray

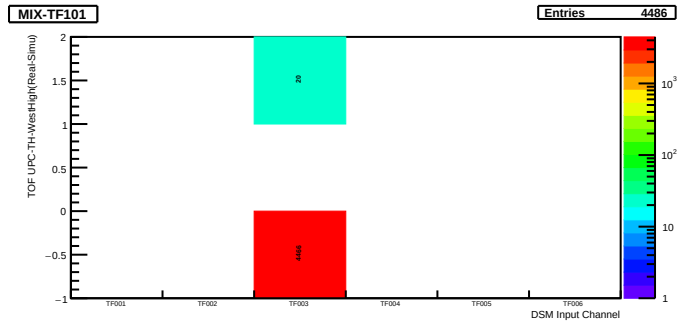

MIX-TF101
Entries 40956
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

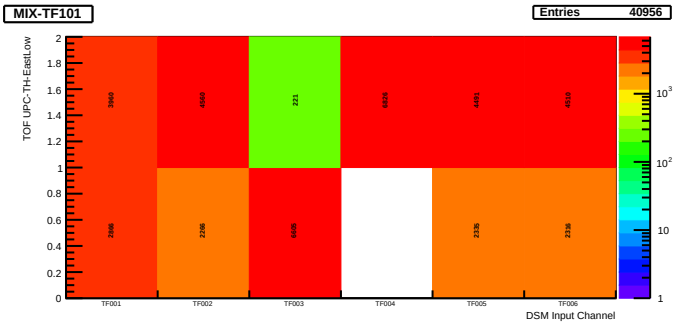

MIX-TF101
Entries 5964
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

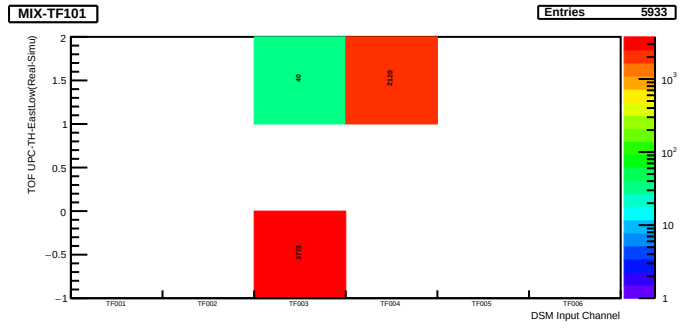

MIX-TF101
Entries 40956
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

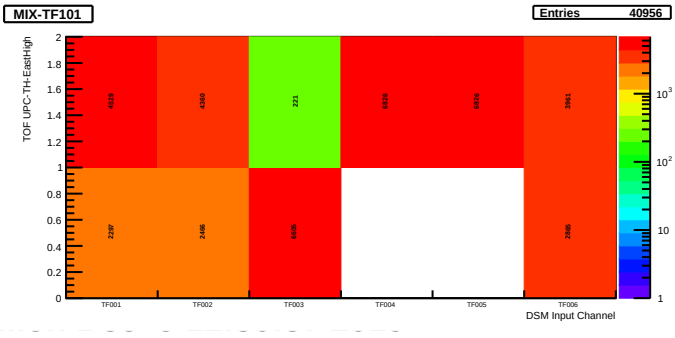

MIX-TF101
Entries 4633
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

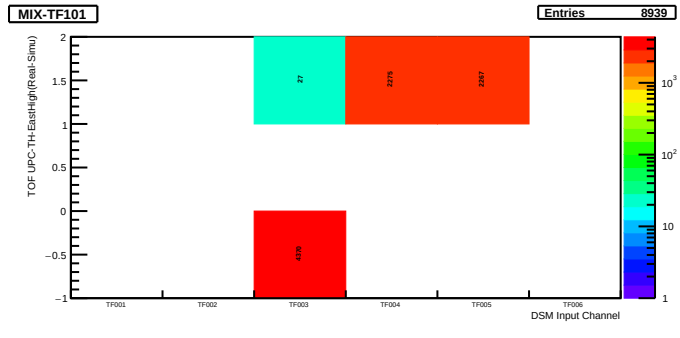

MIX-TF101
Entries 40956
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

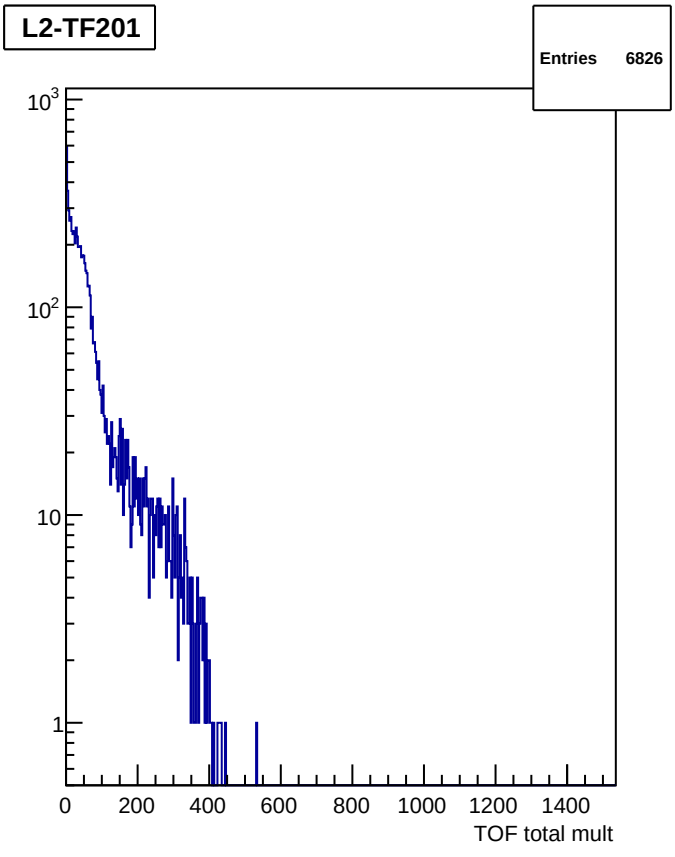

MIX-TF101
Entries 4486
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

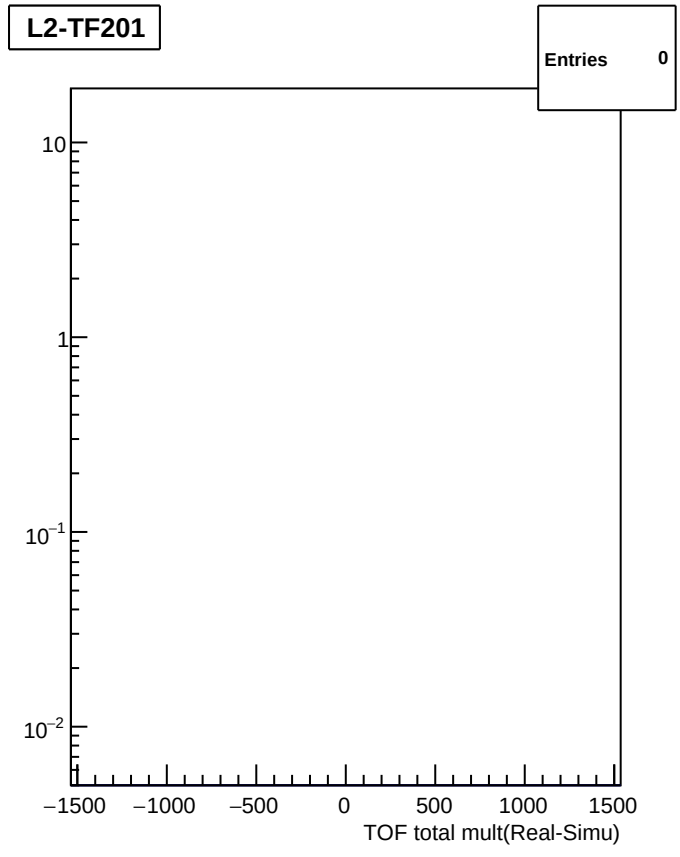

MIX-TF101
Entries 40956
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

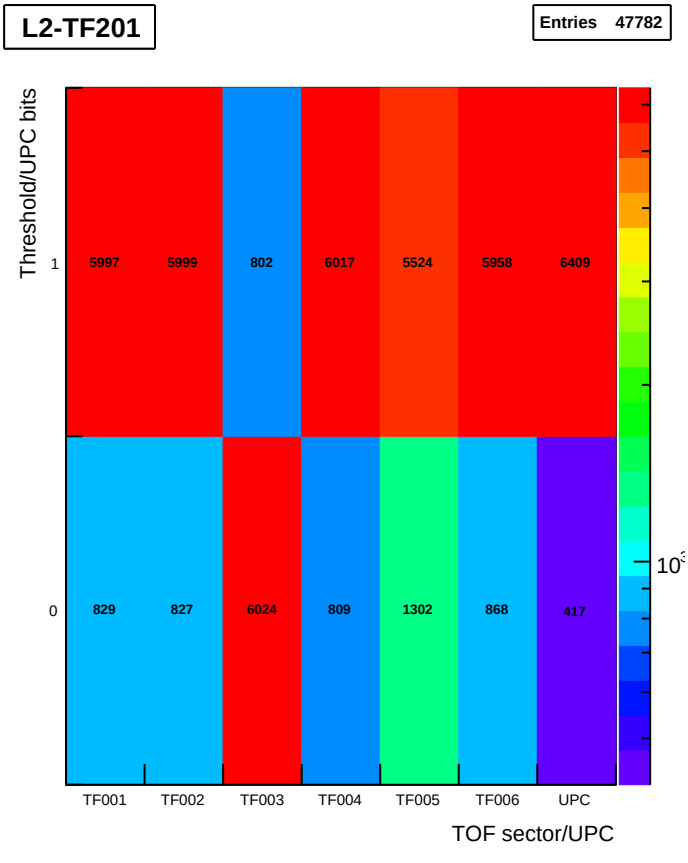

MIX-TF101
Entries 5933
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

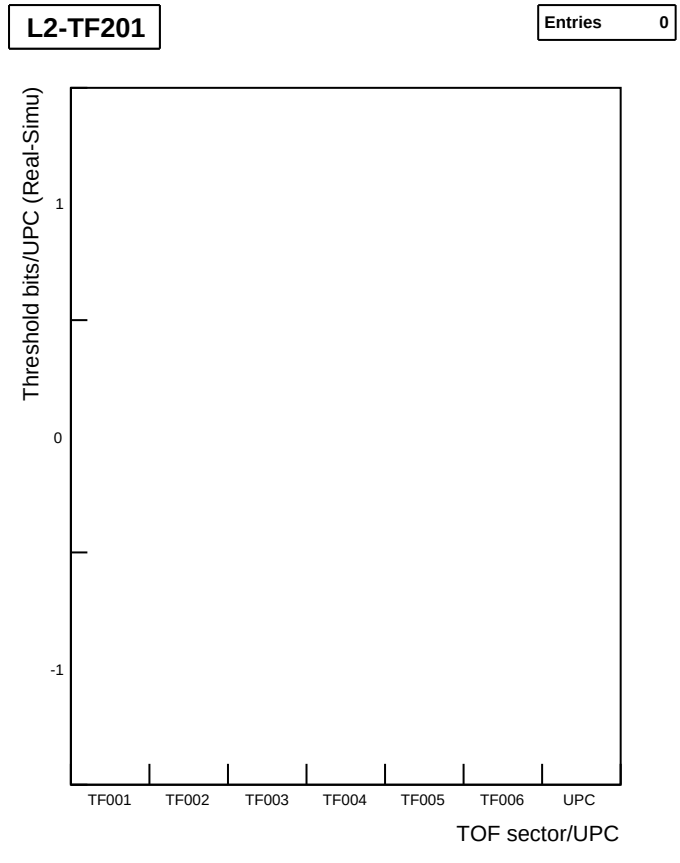

MIX-TF101
Entries 40956
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

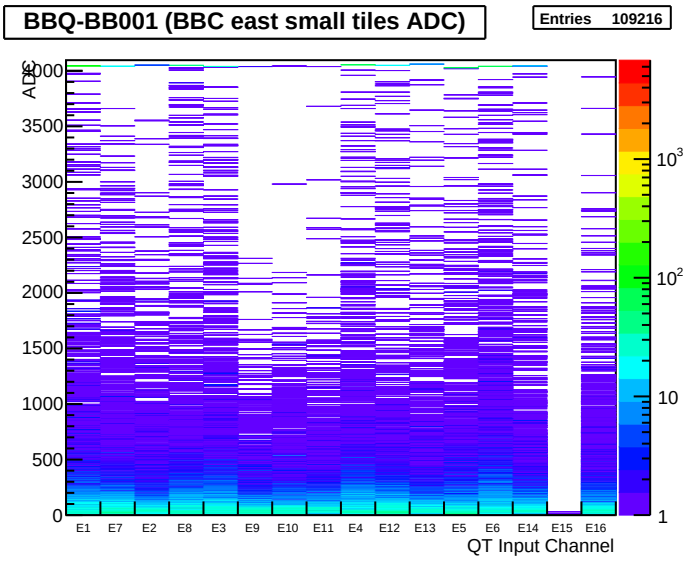

MIX-TF101
Entries 8939
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

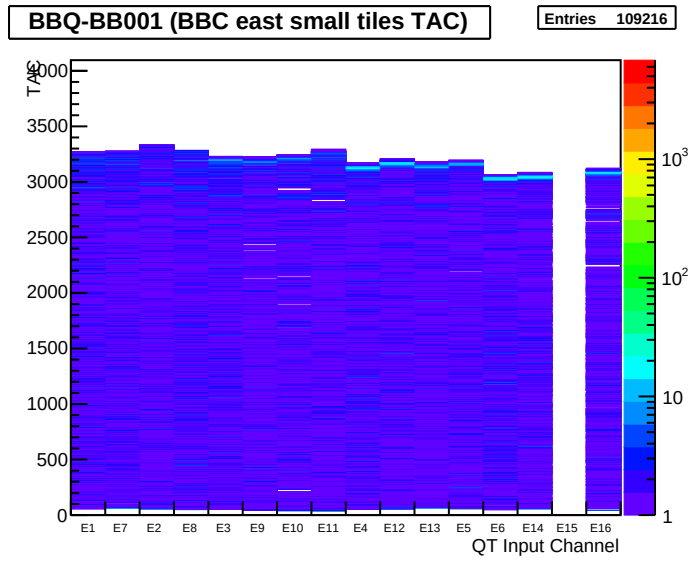

L2-TF201
Entries 6826
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

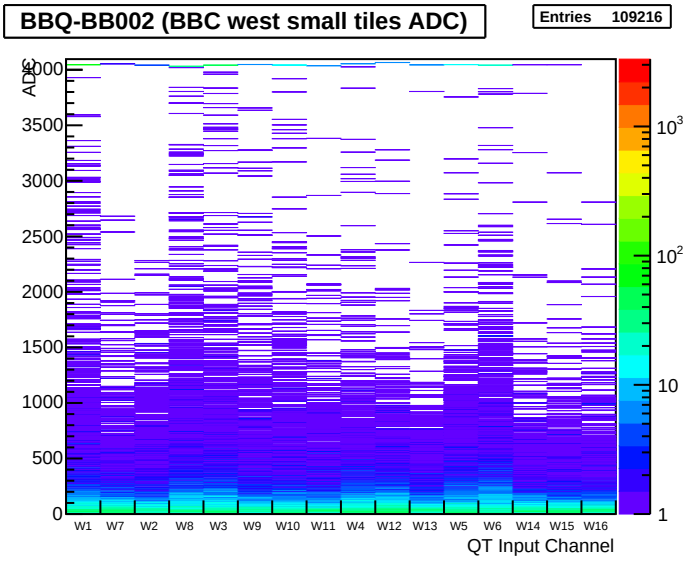

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

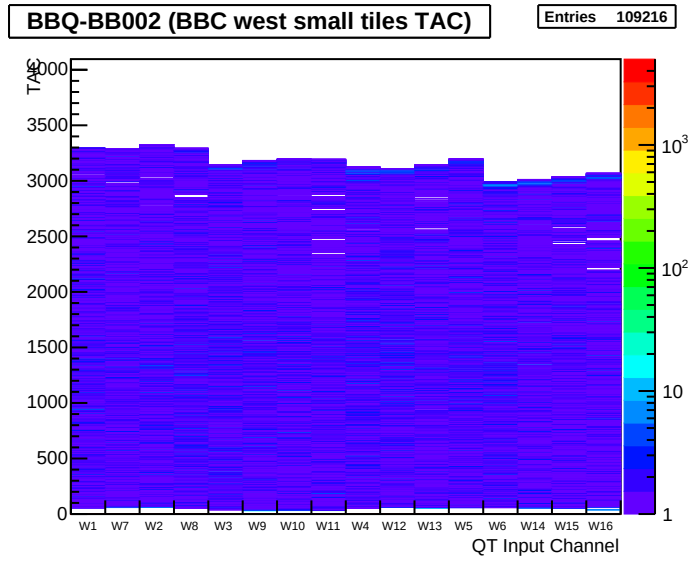

L2-TF201
Entries 47782
Threshold/UPC bits
1
0
5997
5999
802
6017
5524
5958
6409
829
827
6024
809
1302
868
417
10^3
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

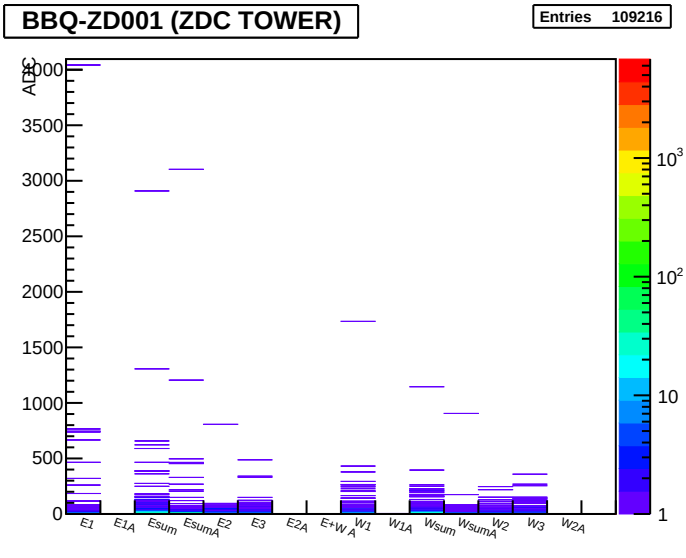

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

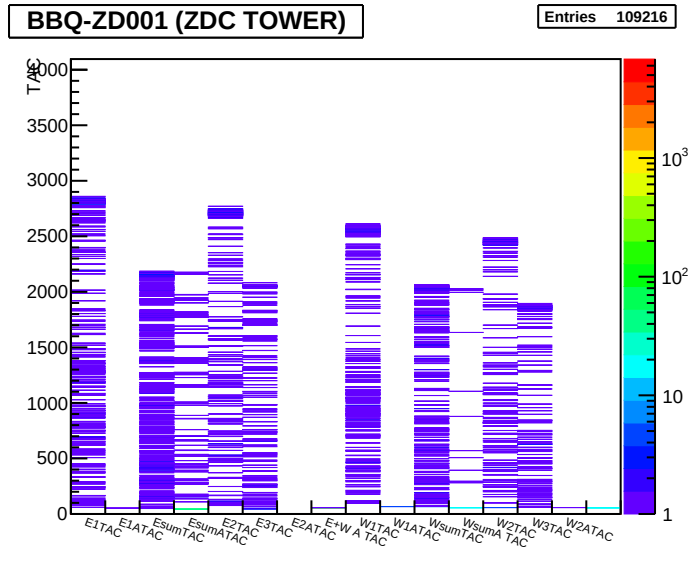

BBQ-BB001 (BBC east small tiles ADC)
Entries 109216
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

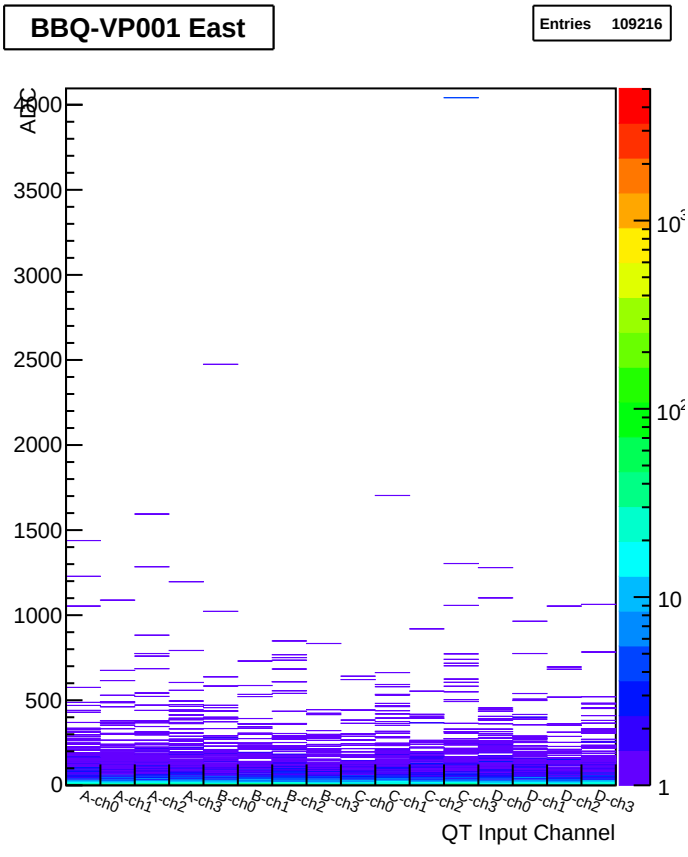

BBQ-BB001 (BBC east small tiles TAC)
Entries 109216
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

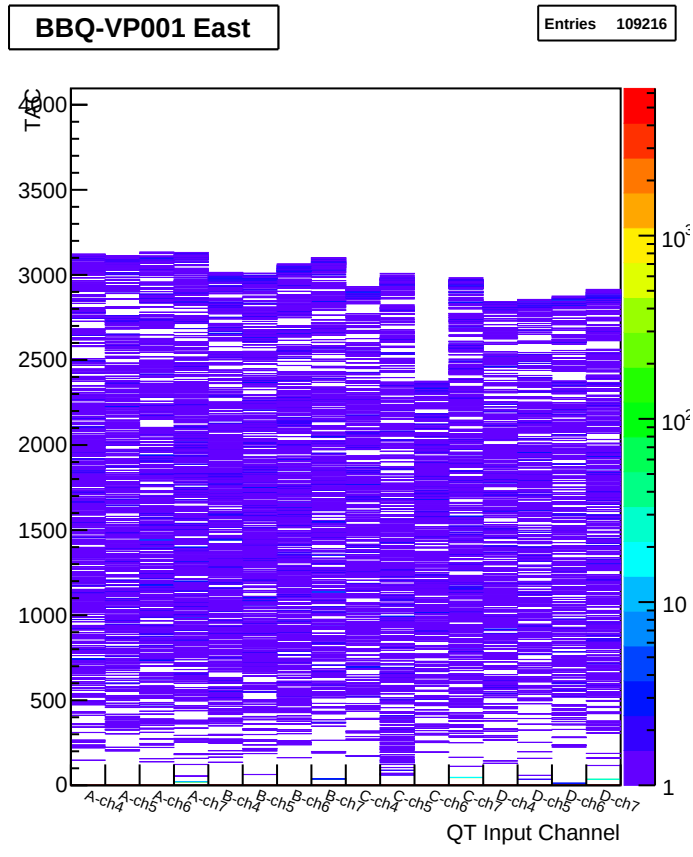

BBQ-BB002 (BBC west small tiles ADC)
Entries 109216
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

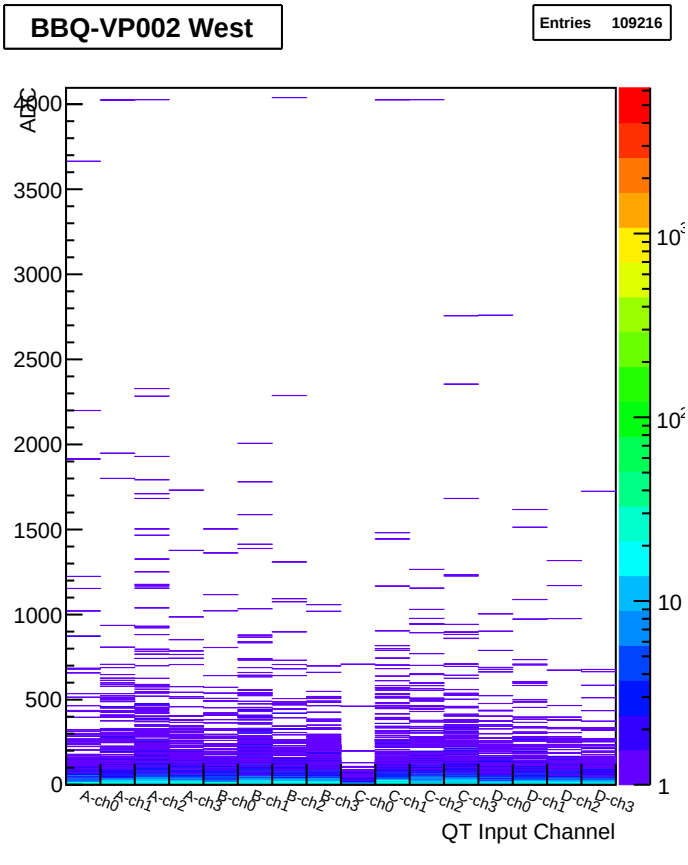

BBQ-BB002 (BBC west small tiles TAC)
Entries 109216
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

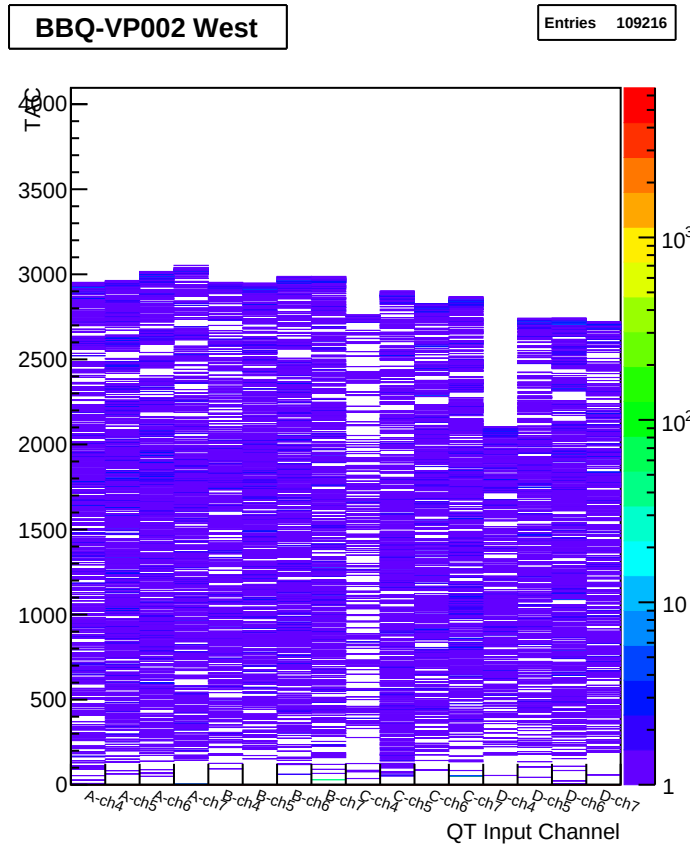

BBQ-ZD001 (ZDC TOWER)
Entries 109216
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

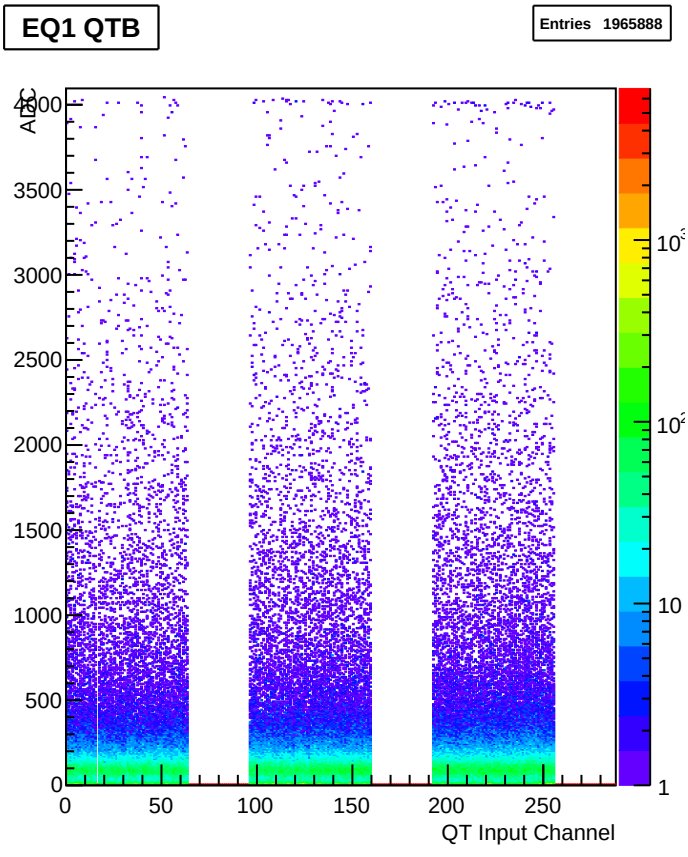

BBQ-ZD001 (ZDC TOWER)
Entries 109216
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

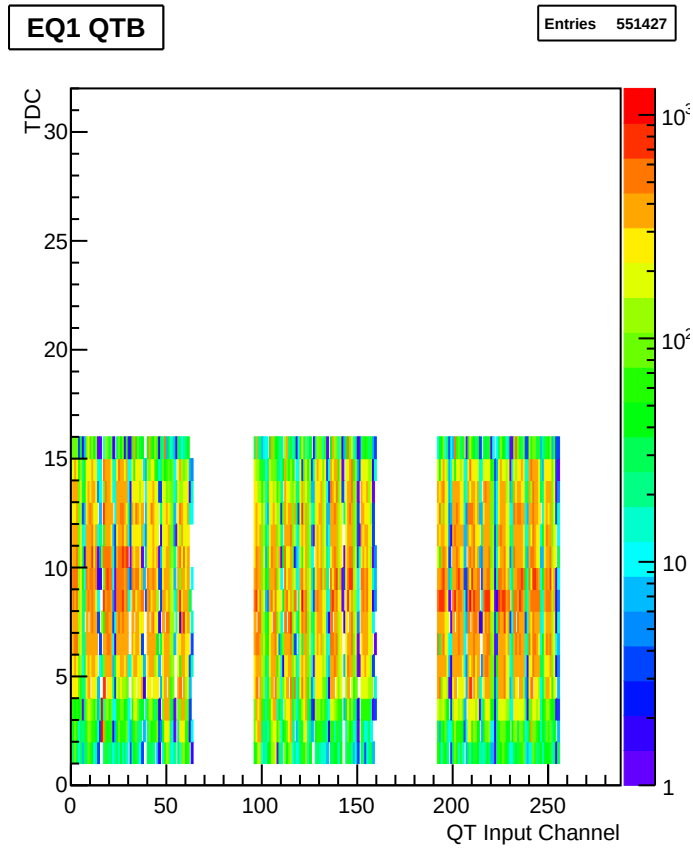

BBQ-VP001 East
Entries 109216
ADC
QT Input Channel

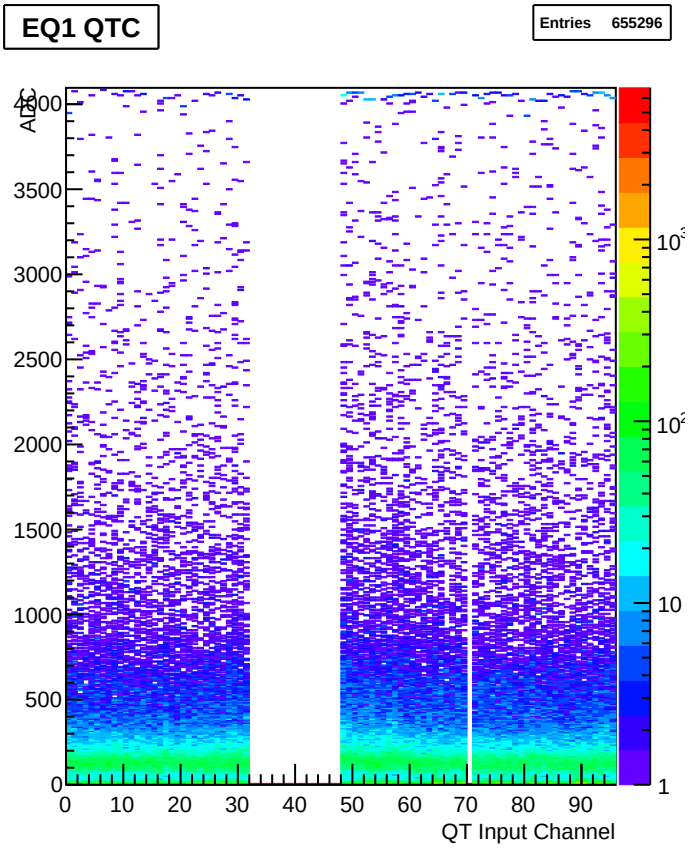

BBQ-VP001 East
Entries 109216
TADC
QT Input Channel

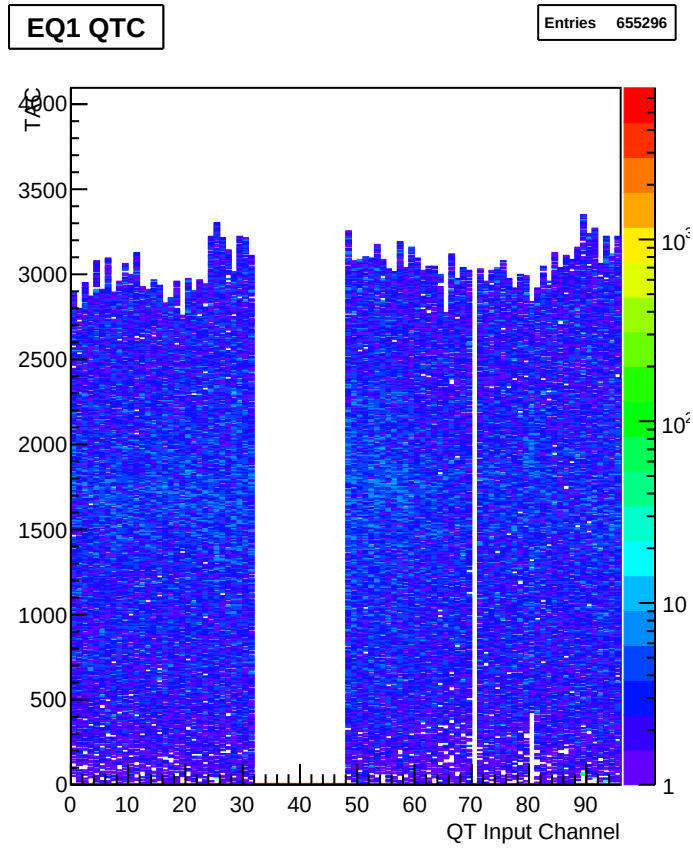

BBQ-VP002 West
Entries 109216
ADC
QT Input Channel

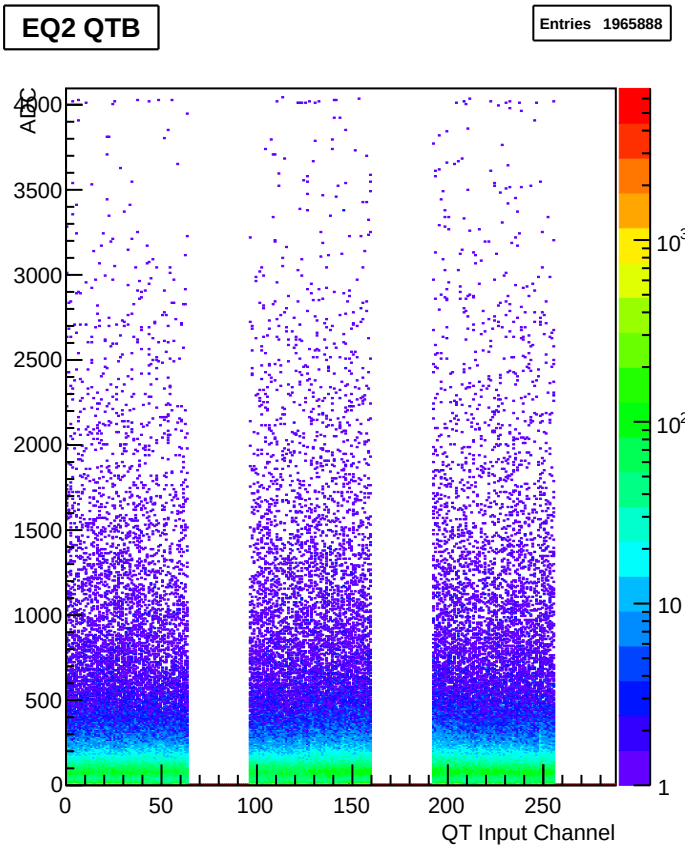

BBQ-VP002 West
Entries 109216
TADC
QT Input Channel

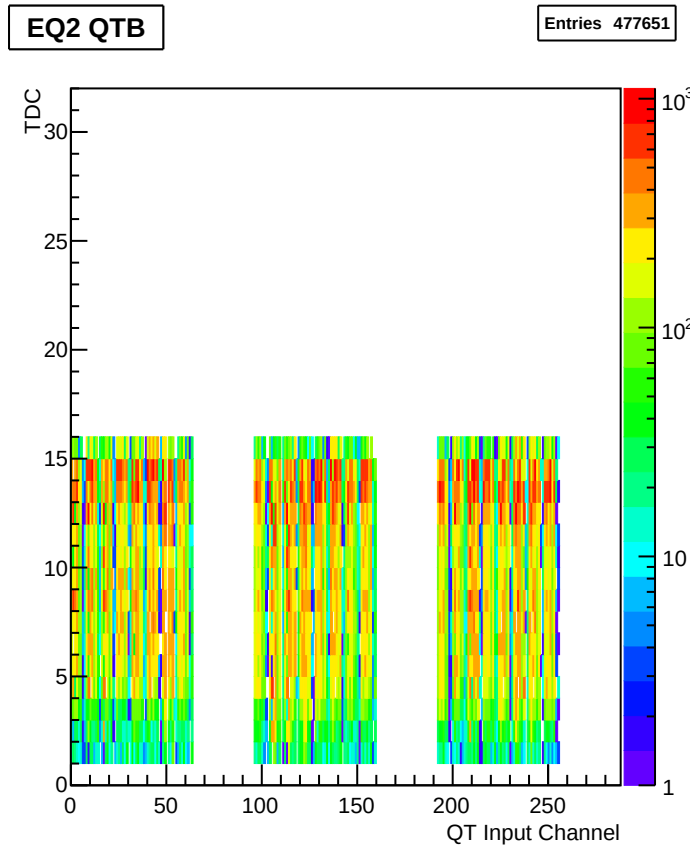

EQ1 QTB
Entries 1965888
ADC
QT Input Channel

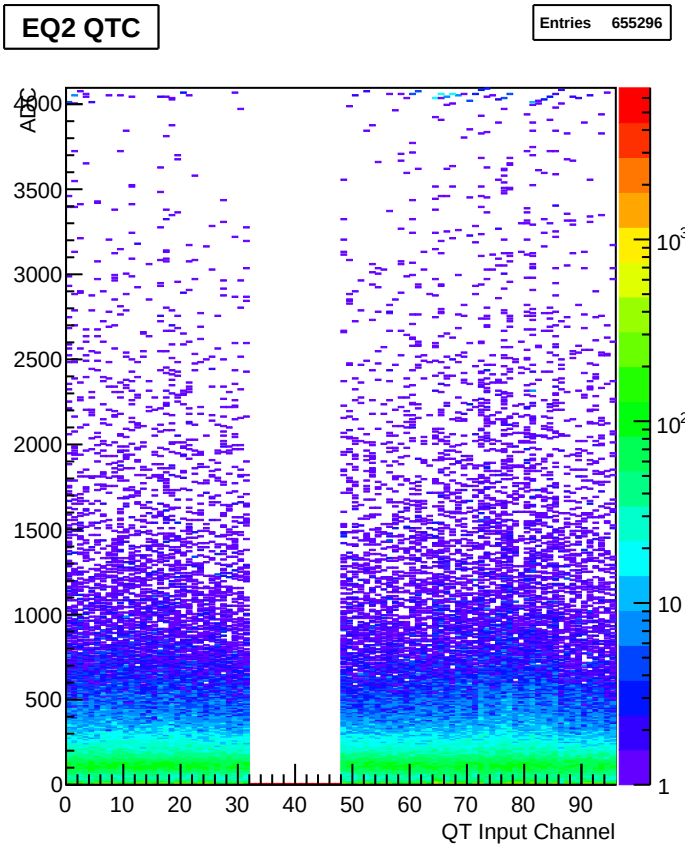

EQ1 QTB
Entries 551427
TDC
QT Input Channel

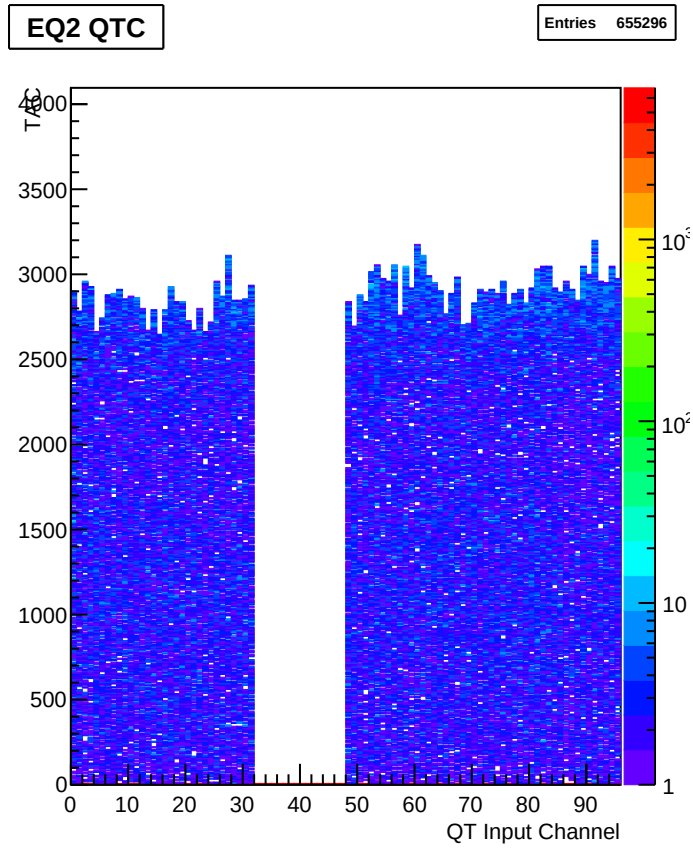

EQ1 QTC
Entries 655296
ADC
QT Input Channel

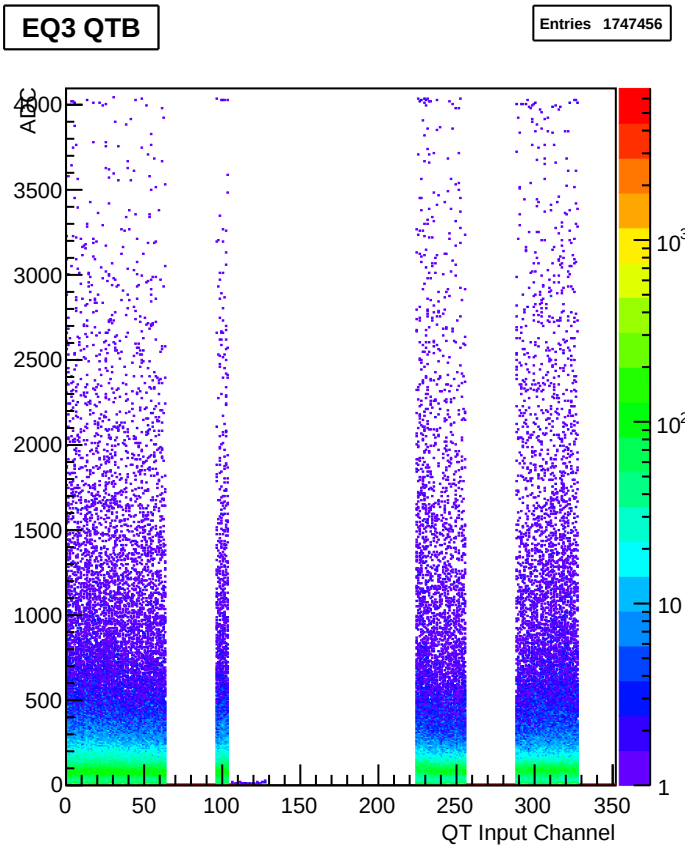

EQ1 QTC
Entries 655296
TADC
QT Input Channel

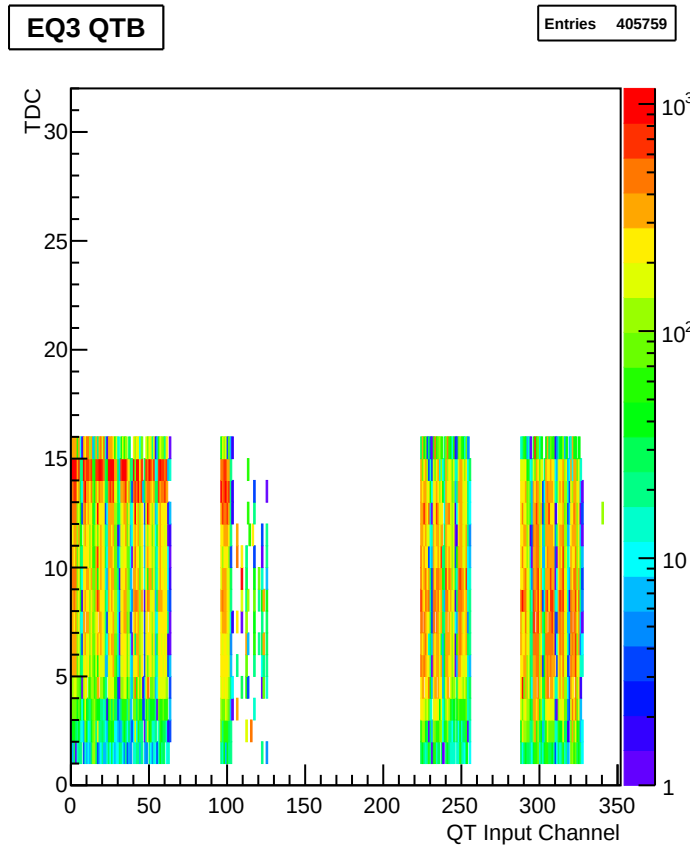

EQ2 QTB
Entries 1965888
ADC
QT Input Channel

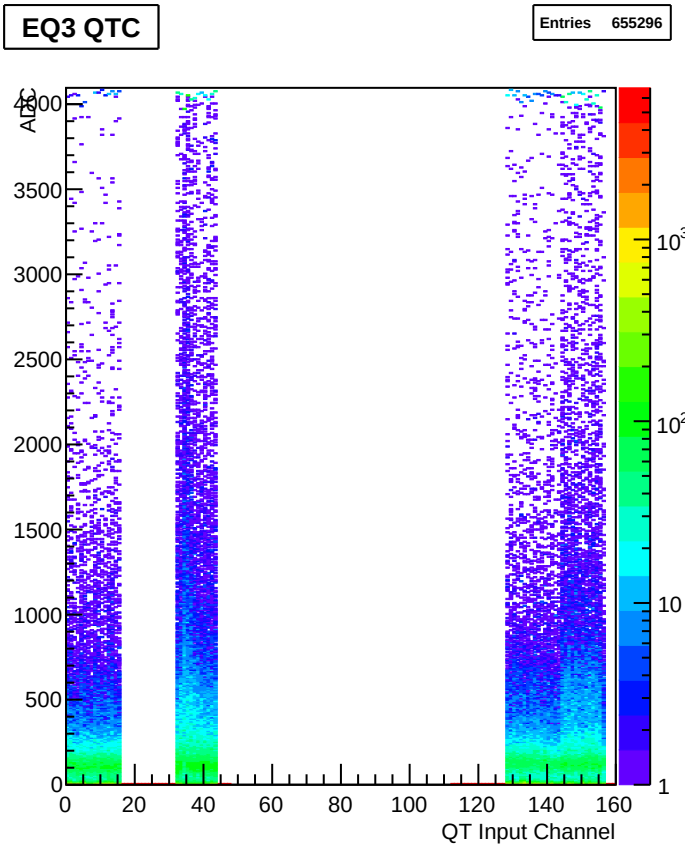

EQ2 QTB
Entries 477651
TDC
QT Input Channel

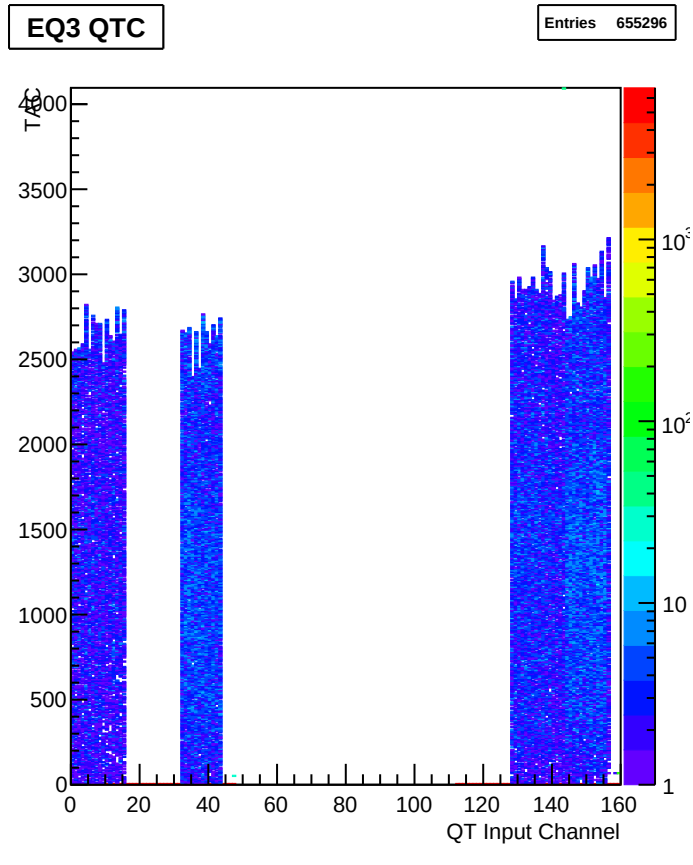

EQ2 QTC
Entries 655296
ADC
QT Input Channel

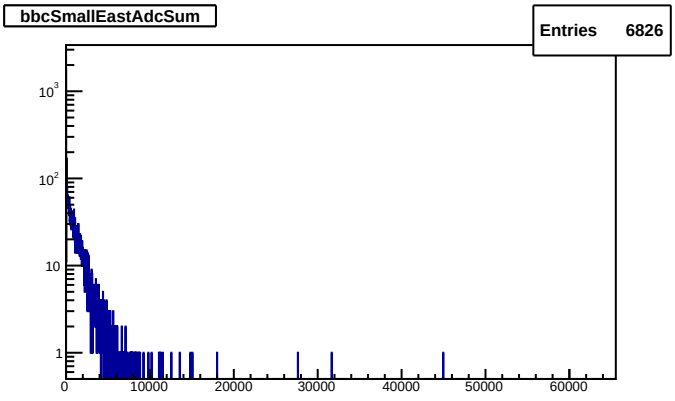

EQ2 QTC
Entries 655296
TADC
QT Input Channel

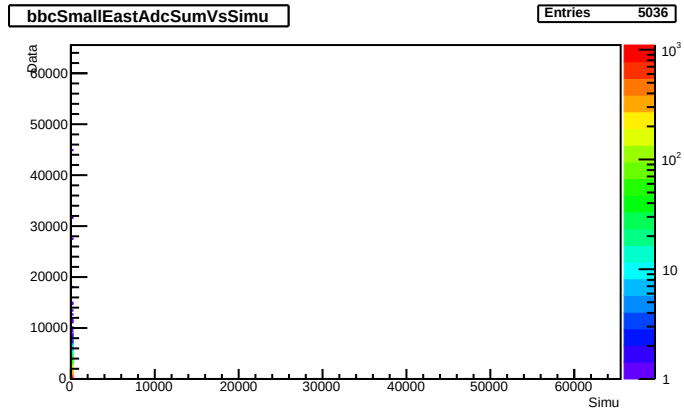

EQ3 QTB
Entries 1747456
ADC
QT Input Channel

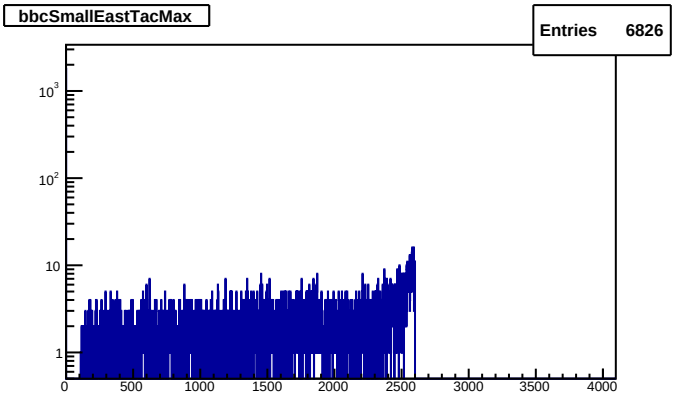

EQ3 QTB
Entries 405759
TDC
QT Input Channel

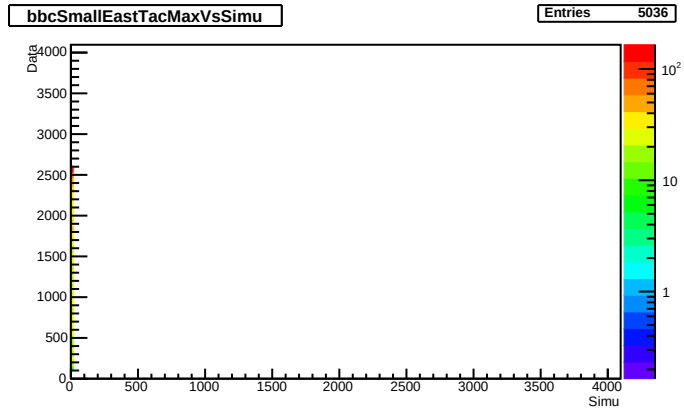

EQ3 QTC
Entries 655296
ADC
QT Input Channel

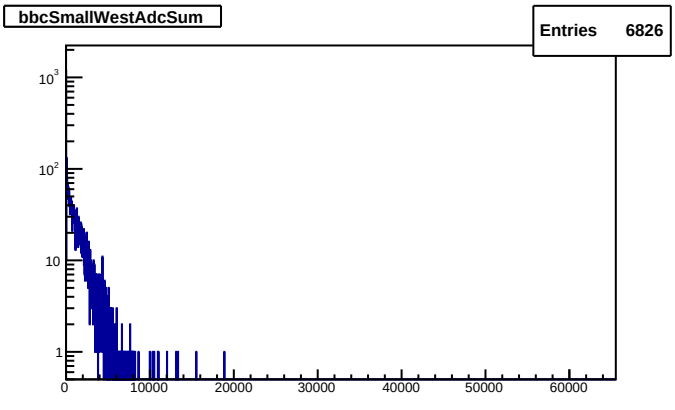

EQ3 QTC
Entries 655296
TADC
QT Input Channel

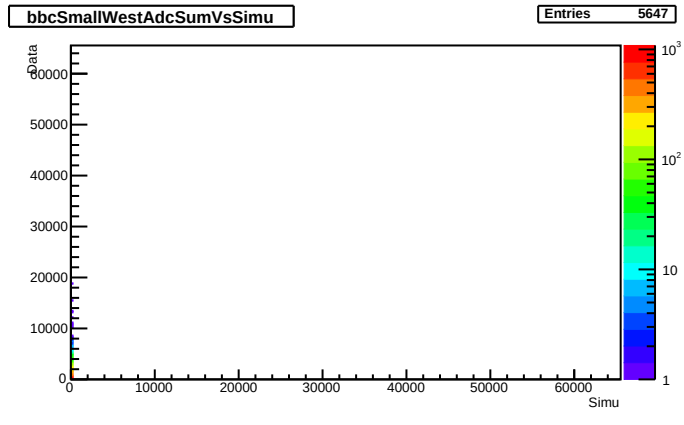

bbcSmallEastAdcSum
Entries 6826

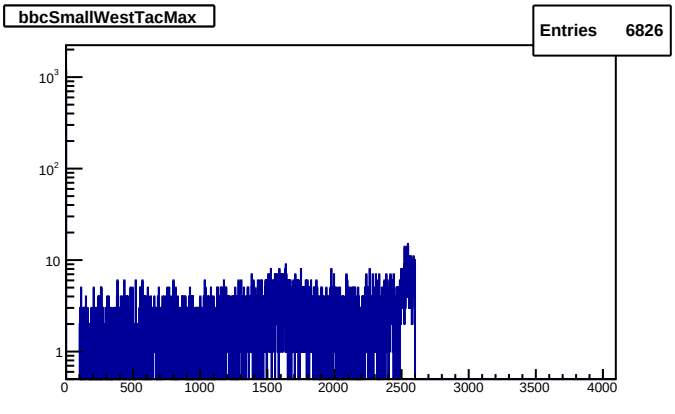

bbcSmallEastAdcSumVsSimu
Entries 5036
Data
Simu

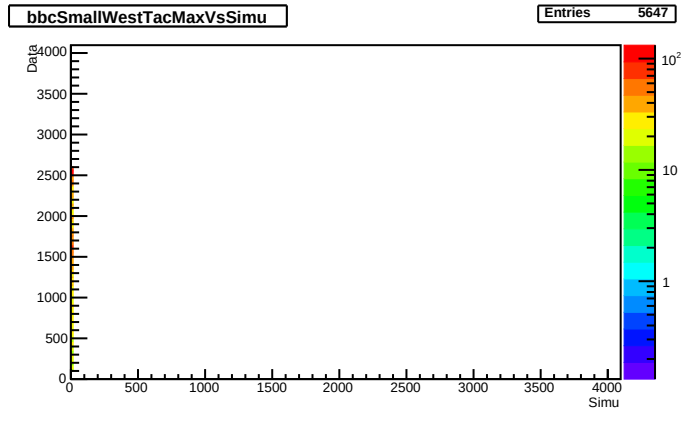

bbcSmallEastTacMax
Entries 6826

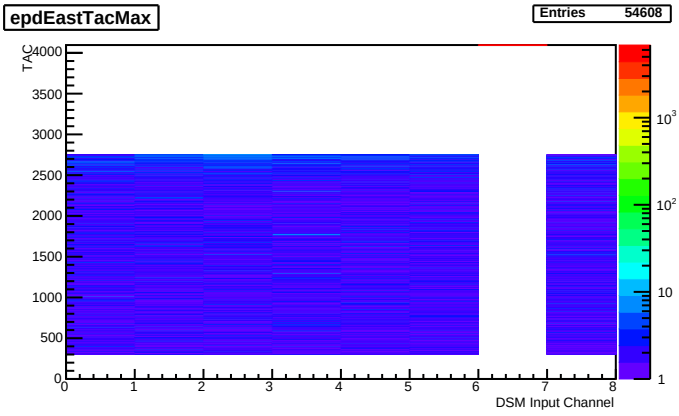

bbcSmallEastTacMaxVsSimu
Entries 5036
Data
Simu

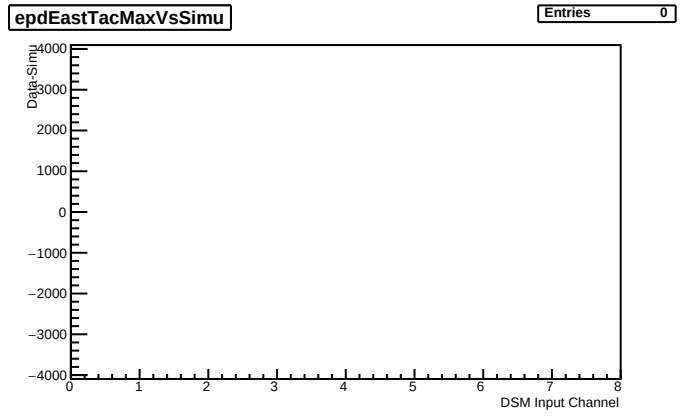

bbcSmallWestAdcSum
Entries 6826

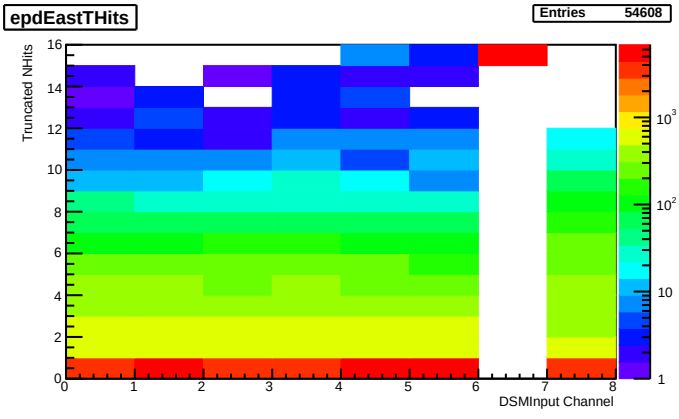

bbcSmallWestAdcSumVsSimu
Entries 5647
Data
Simu

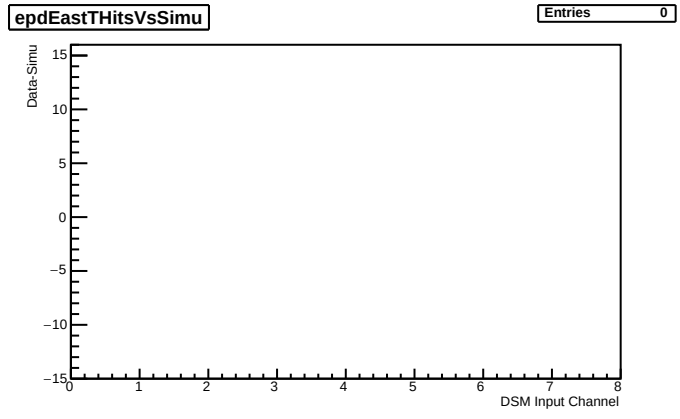

bbcSmallWestTacMax
Entries 6826

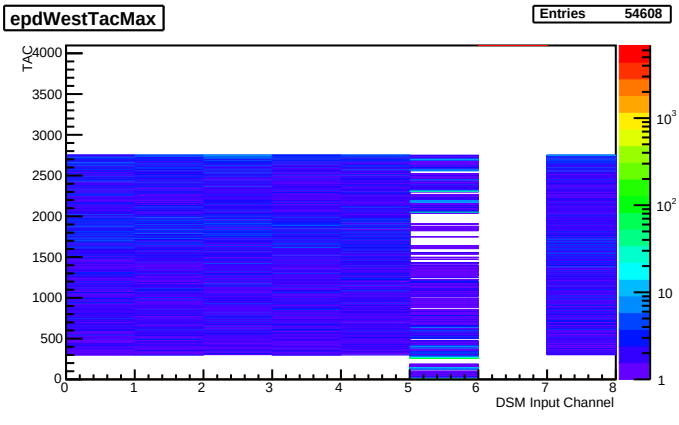

bbcSmallWestTacMaxVsSimu
Entries 5647
Data
Simu

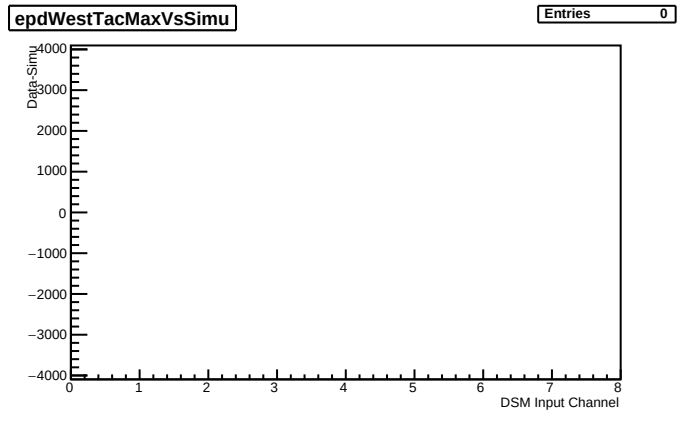

epdEastTacMax
Entries 54608
TAC
DSM Input Channel

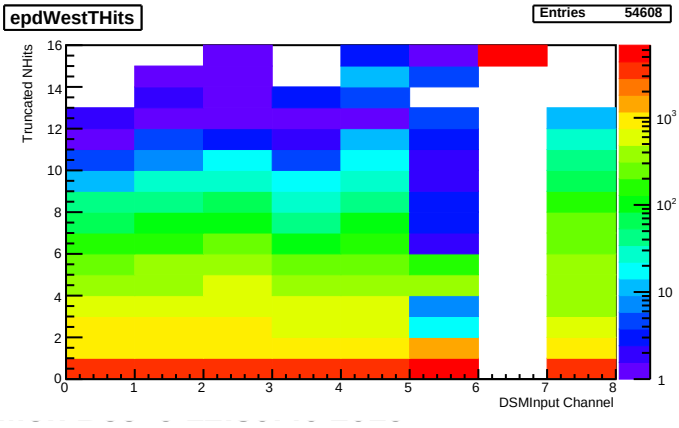

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

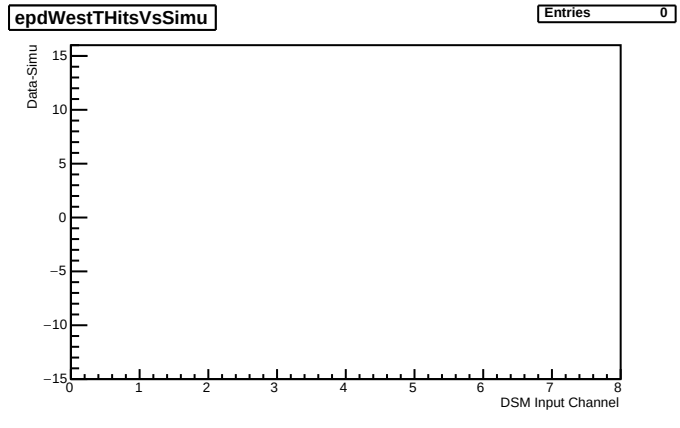

epdEastTHits
Entries 54608
Truncated NHits
DSMInput Channel

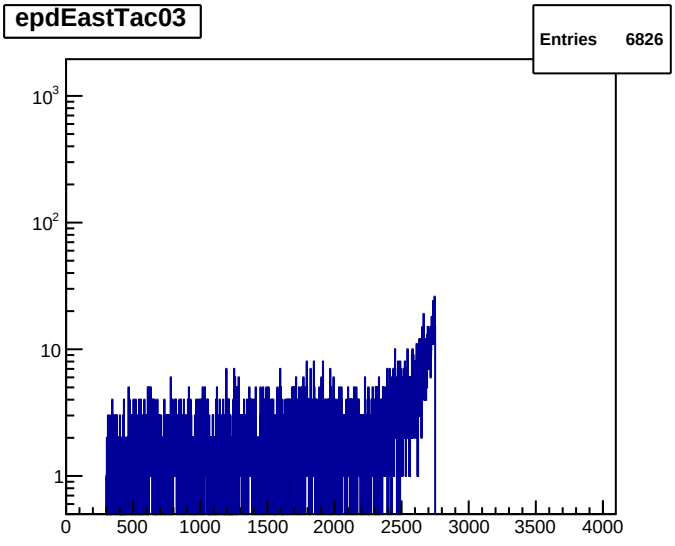

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

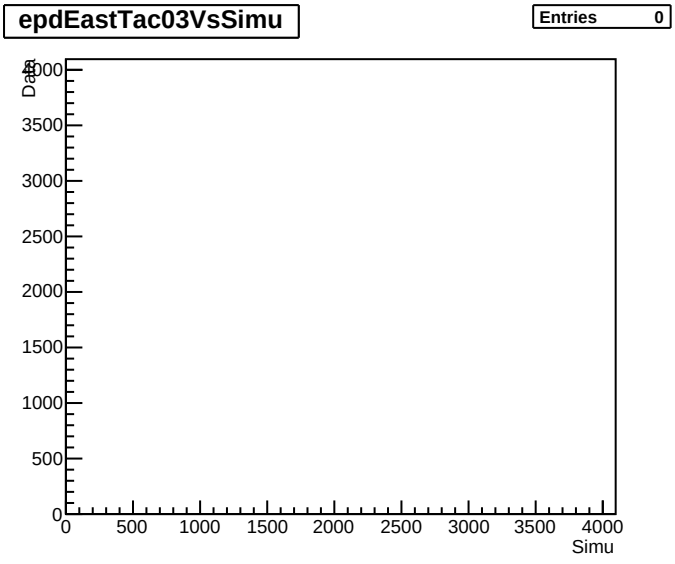

epdWestTacMax
Entries 54608
TAC
DSM Input Channel

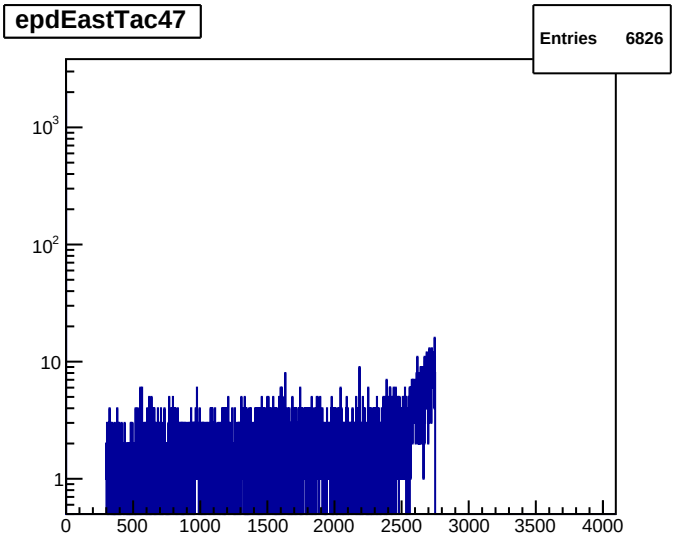

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

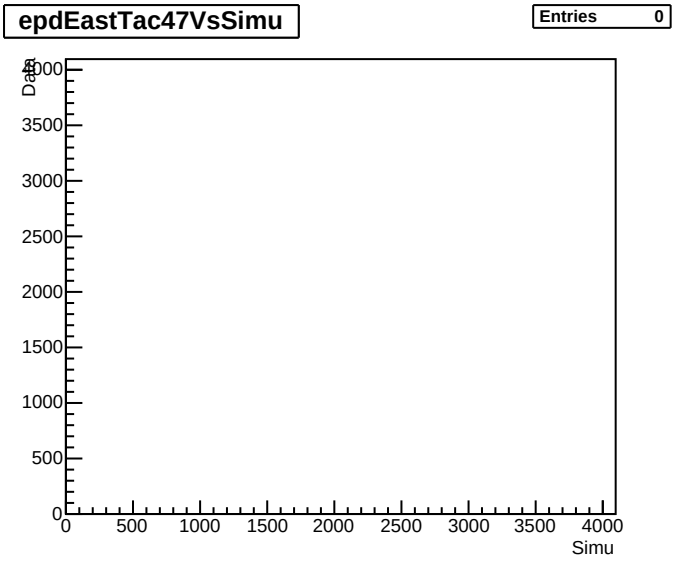

epdWestTHits
Entries 54608
Truncated NHits
DSMInput Channel

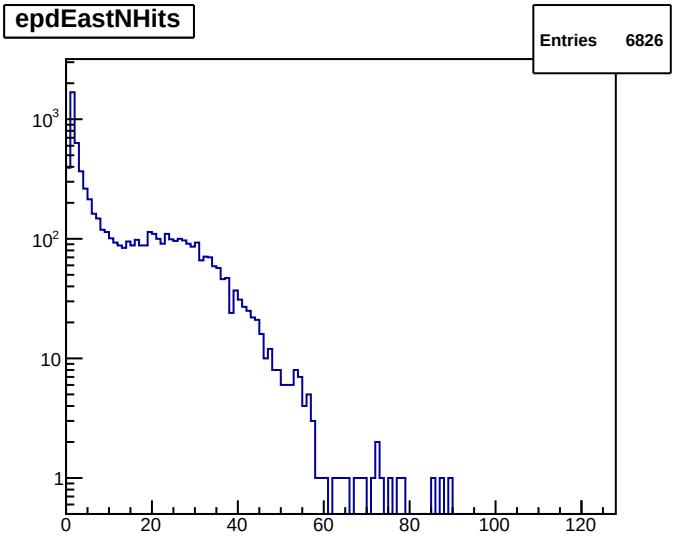

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

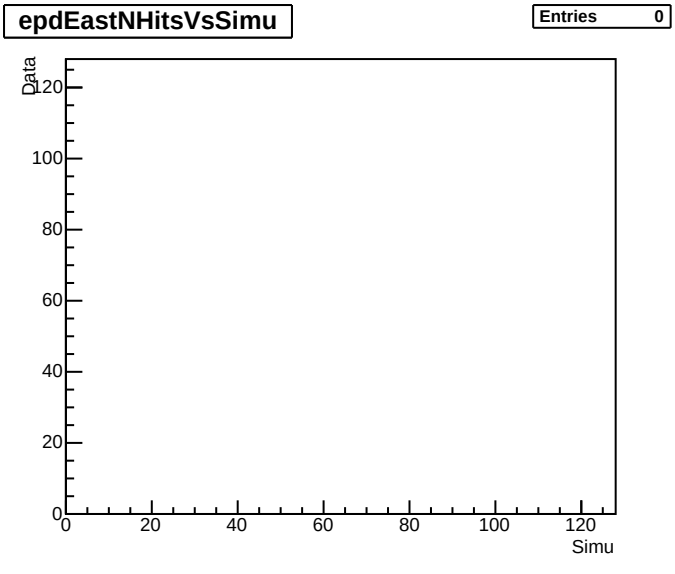

epdEastTac03
Entries 6826
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

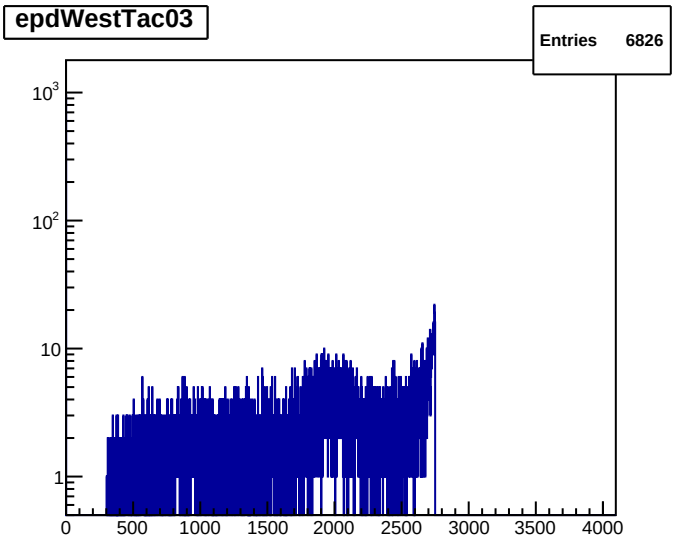

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

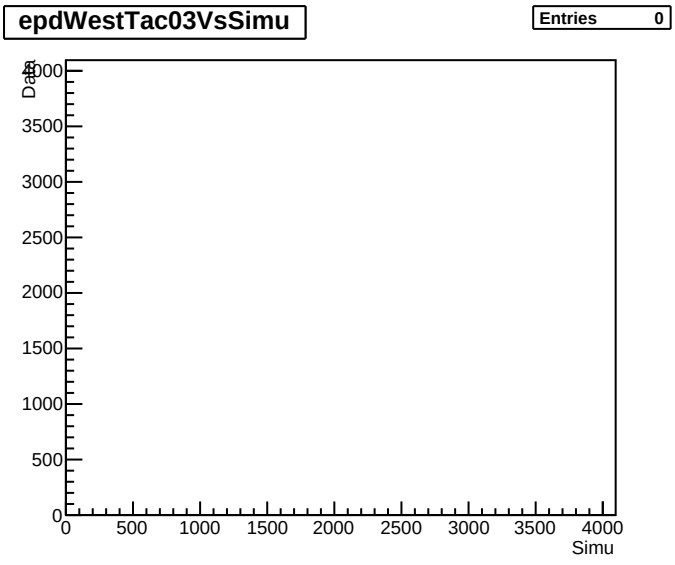

epdEastTac47
Entries 6826
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

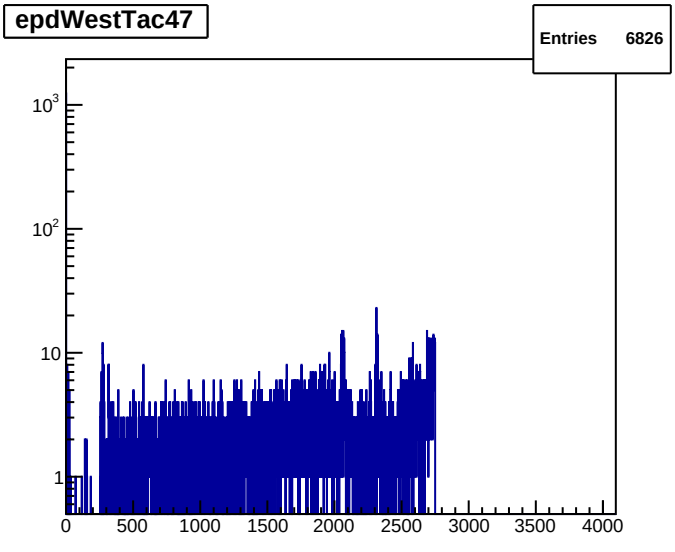

epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

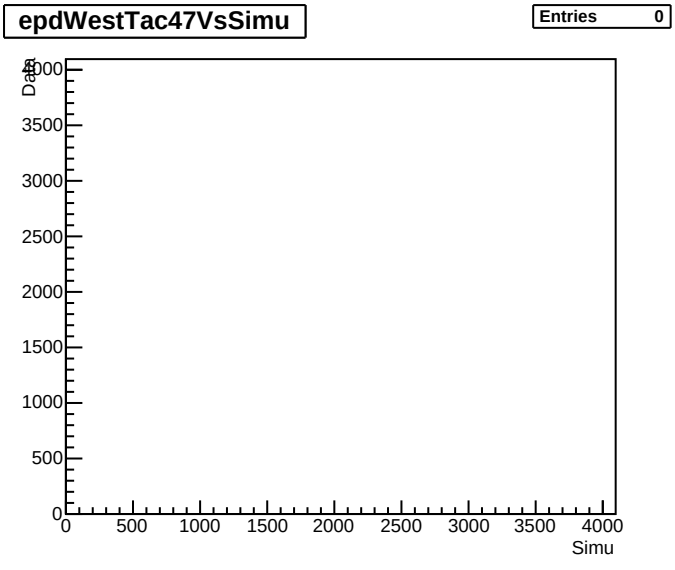

epdEastNHits
Entries 6826
10^3
10^2
10
1
0 20 40 60 80 100 120

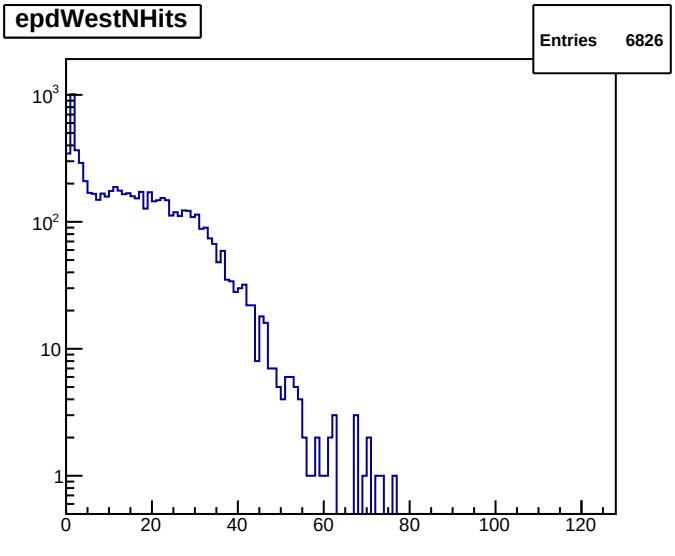

epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

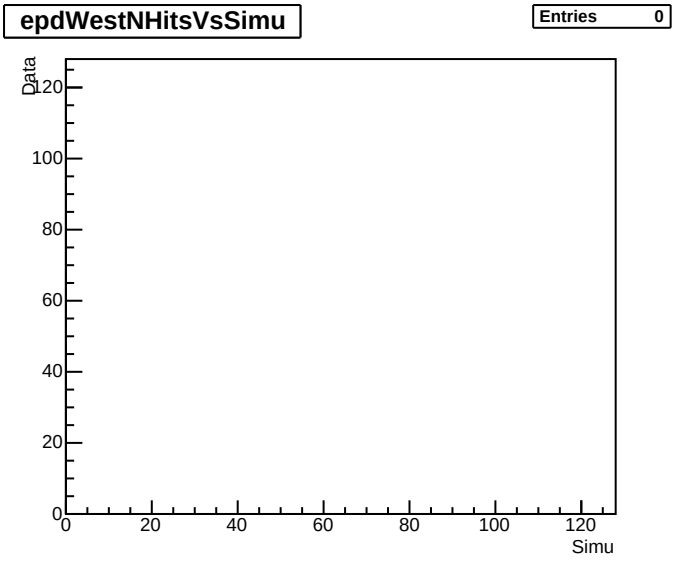

epdWestTac03
Entries 6826

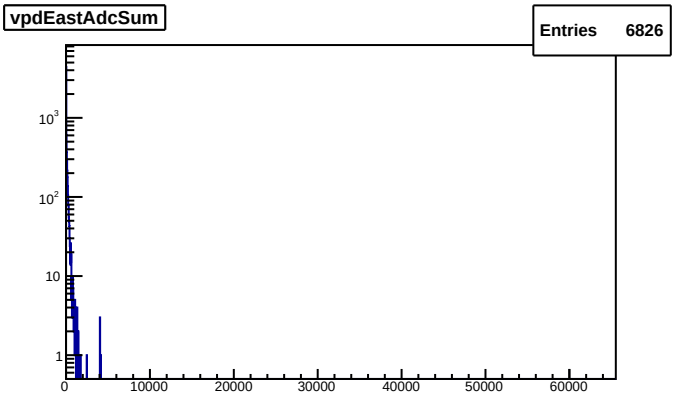

epdWestTac03VsSimu
Entries 0
Data
Simu

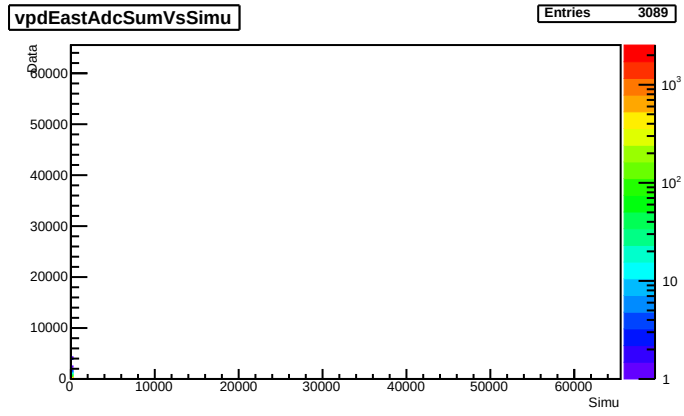

epdWestTac47
Entries 6826

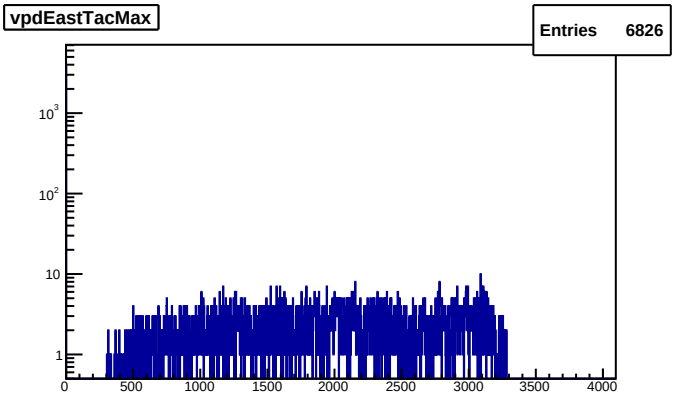

epdWestTac47VsSimu
Entries 0
Data
Simu

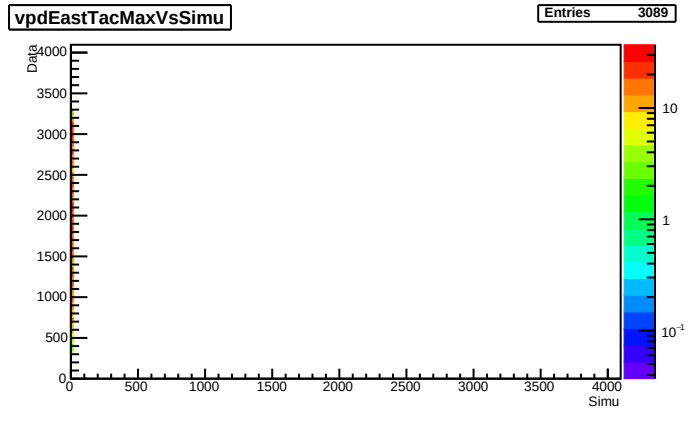

epdWestNHits
Entries 6826

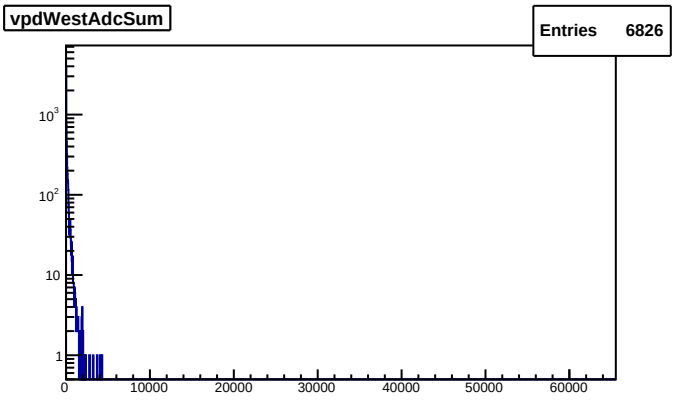

epdWestNHitsVsSimu
Entries 0
Data
Simu

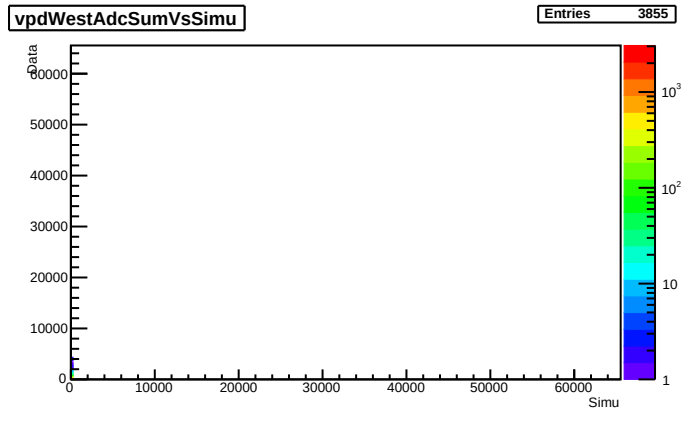

vpdEastAdcSum
Entries 6826

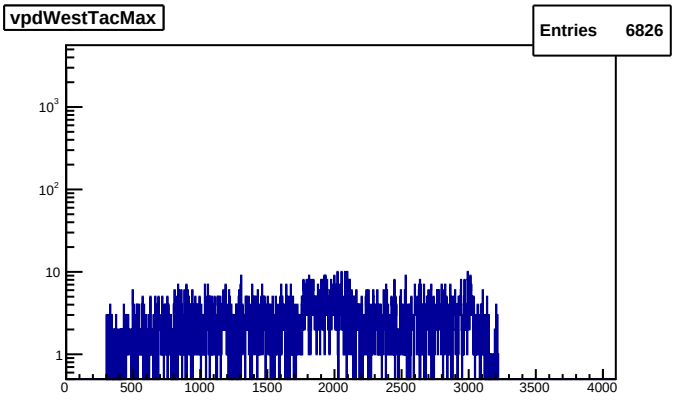

vpdEastAdcSumVsSimu
Entries 3089
Data
Simu

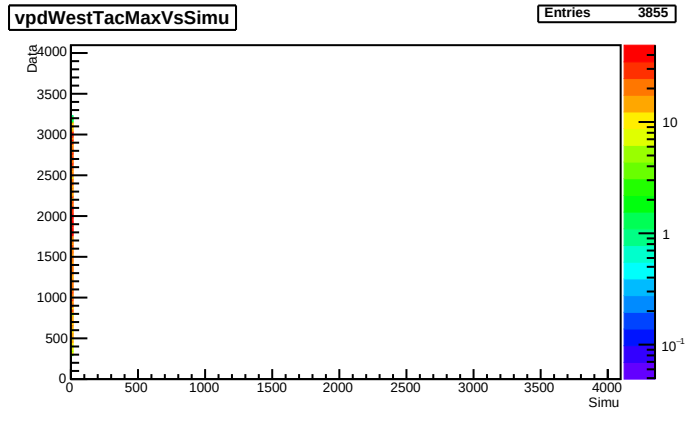

vpdEastTacMax
Entries 6826

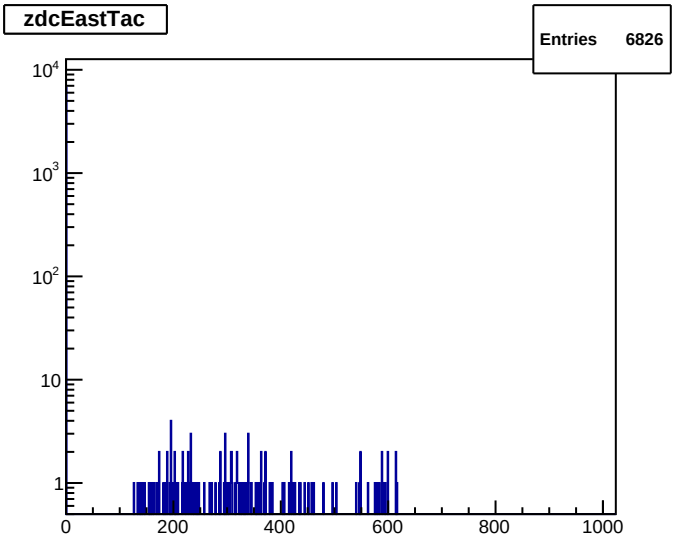

vpdEastTacMaxVsSimu
Entries 3089
Data
Simu

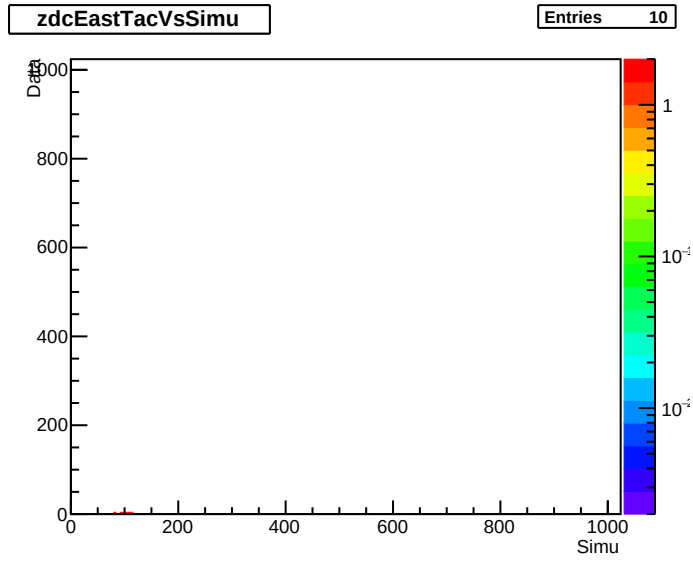

vpdWestAdcSum
Entries 6826

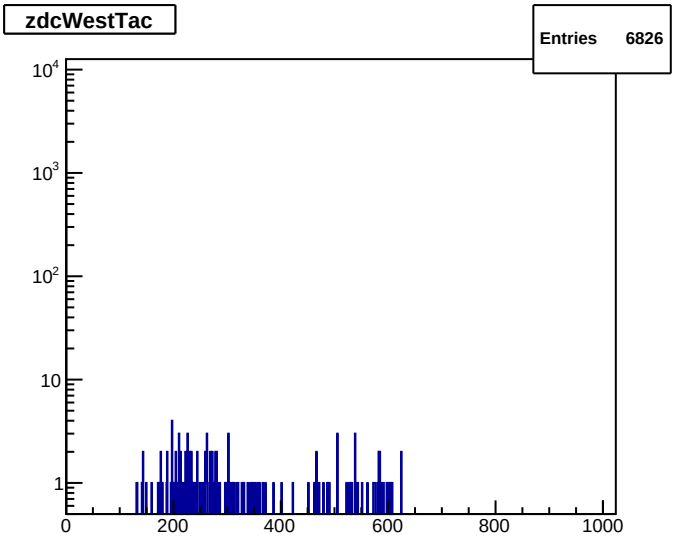

vpdWestAdcSumVsSimu
Entries 3855
Data
Simu

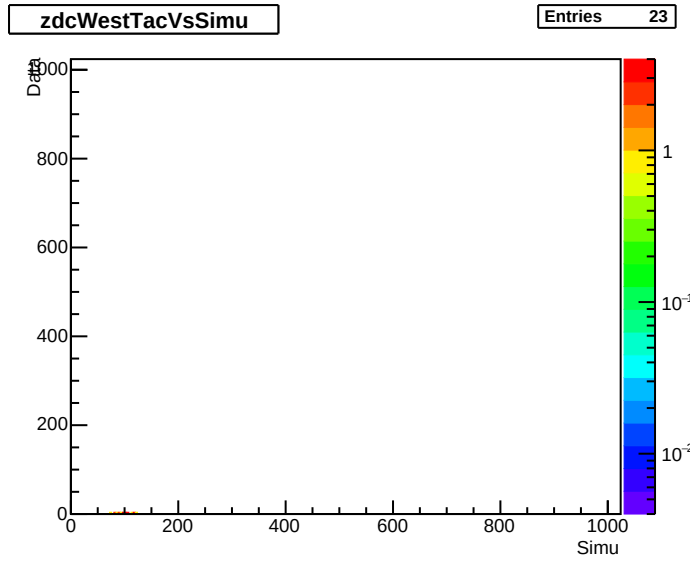

vpdWestTacMax
Entries 6826

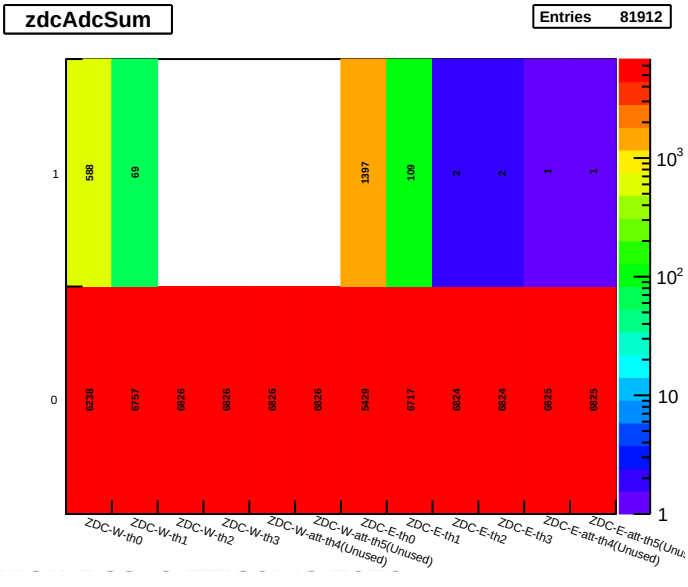

vpdWestTacMaxVsSimu
Entries 3855
Data
Simu

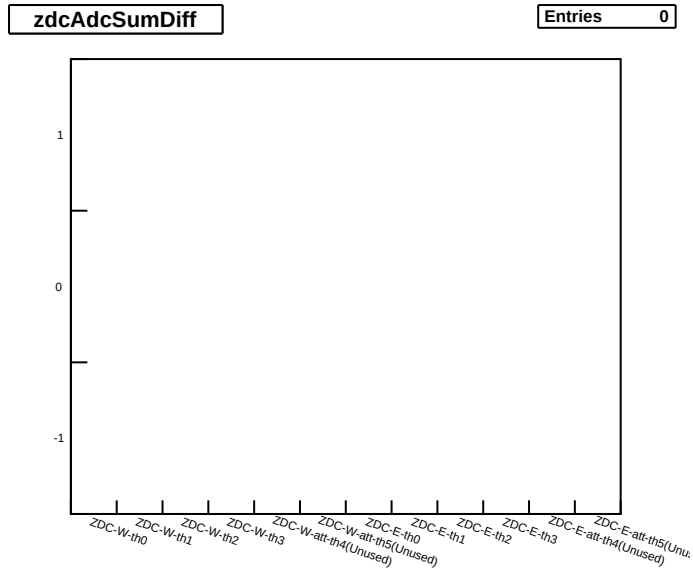

zdcEastTac
Entries 6826

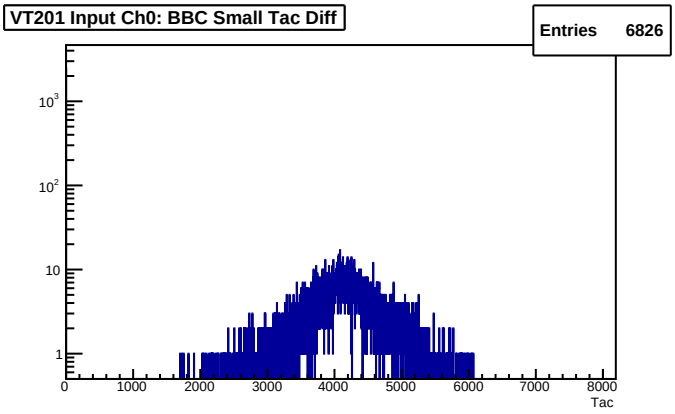

zdcEastTacVsSimu
Entries 10
Data
Simu

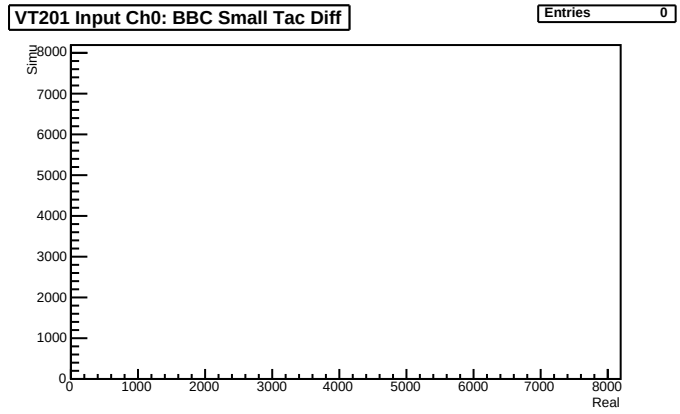

zdcWestTac
Entries 6826

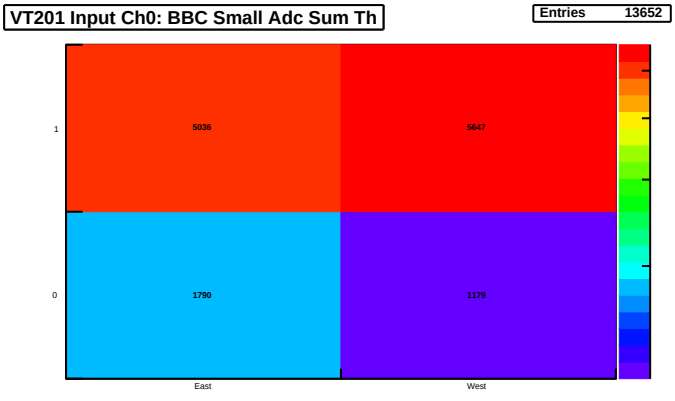

zdcWestTacVsSimu
Entries 23
Data
Simu

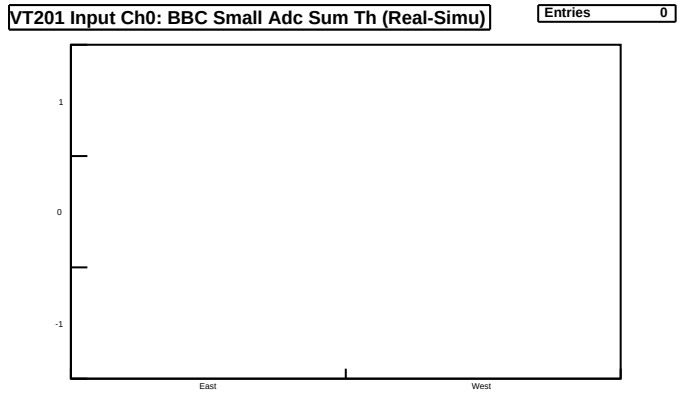

zdcAdcSum
Entries 81912
588
69
1397
109
2
2
1
1
6238
6757
6826
6826
6826
6826
5429
6717
6824
6824
6825
6825
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

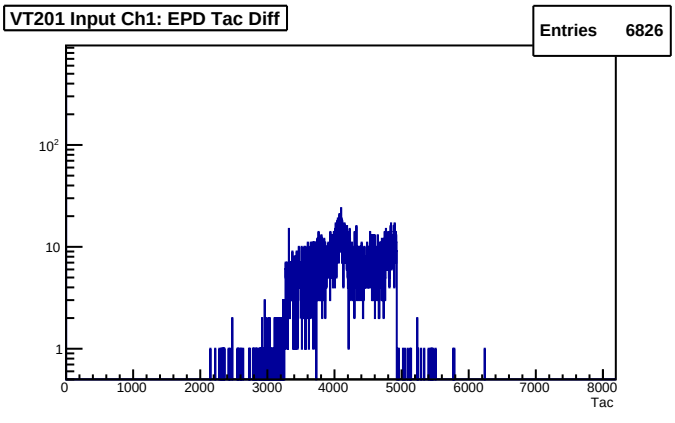

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

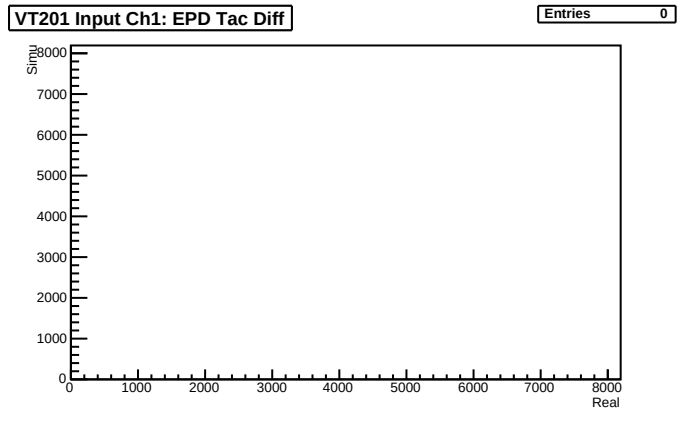

VT201 Input Ch0: BBC Small Tac Diff
Entries 6826
Tac

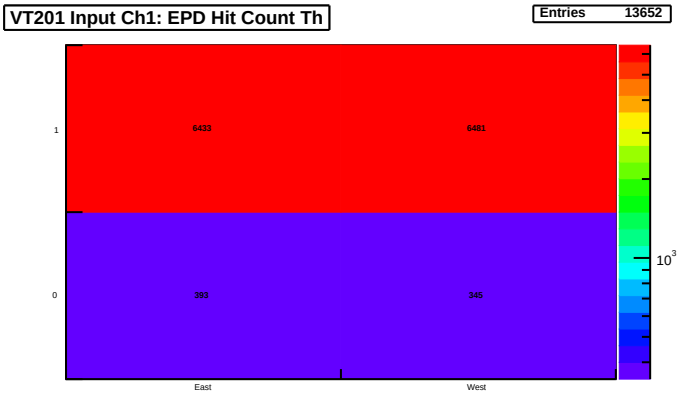

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

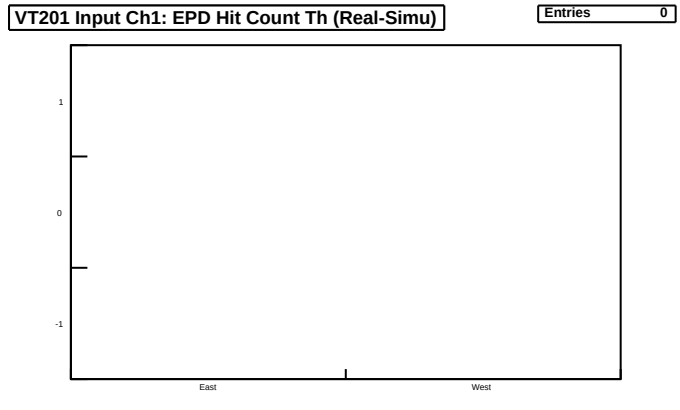

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 13652
5036
5647
1790
1179
East
West

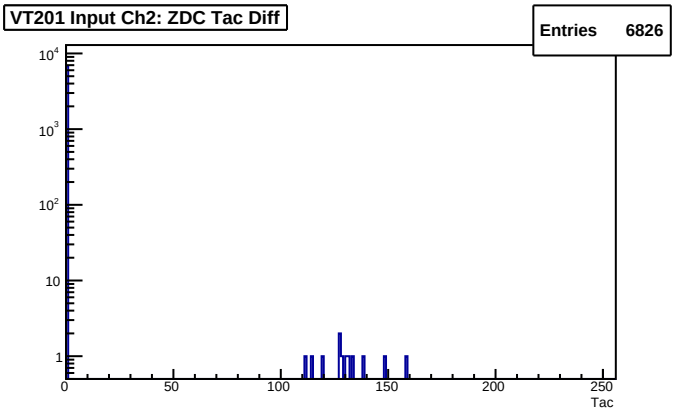

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

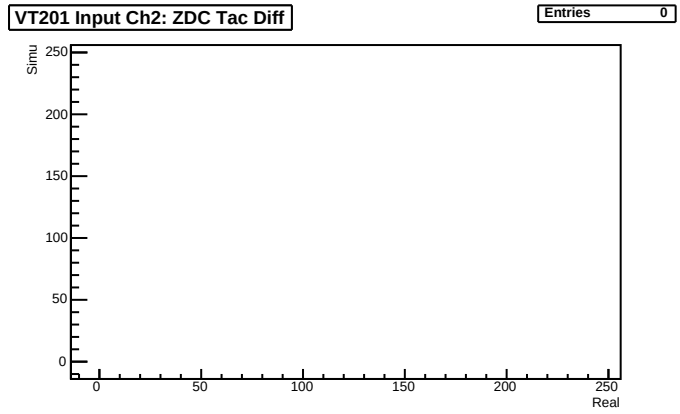

VT201 Input Ch1: EPD Tac Diff
Entries 6826
Tac

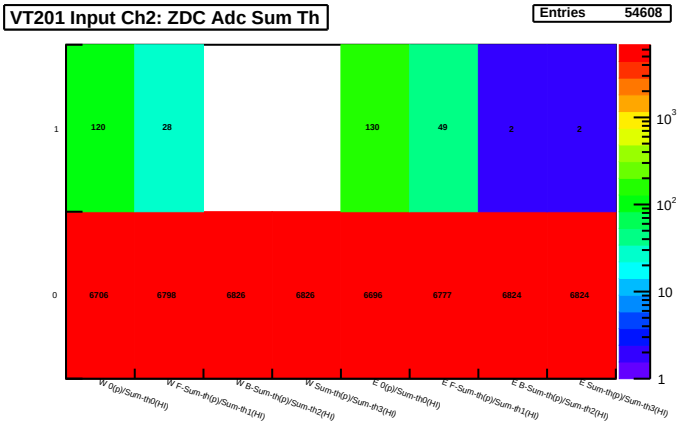

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

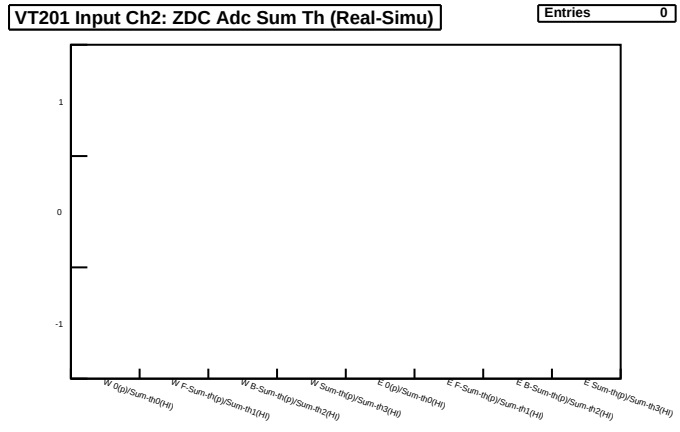

VT201 Input Ch1: EPD Hit Count Th
Entries 13652
6433
6481
393
345
East
West

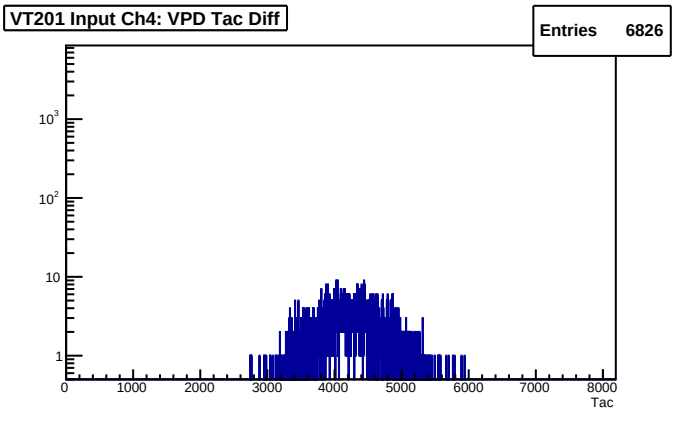

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

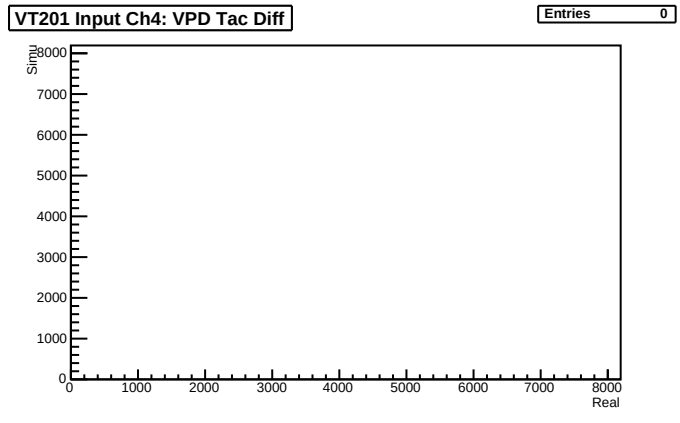

VT201 Input Ch2: ZDC Tac Diff
Entries 6826
Tac

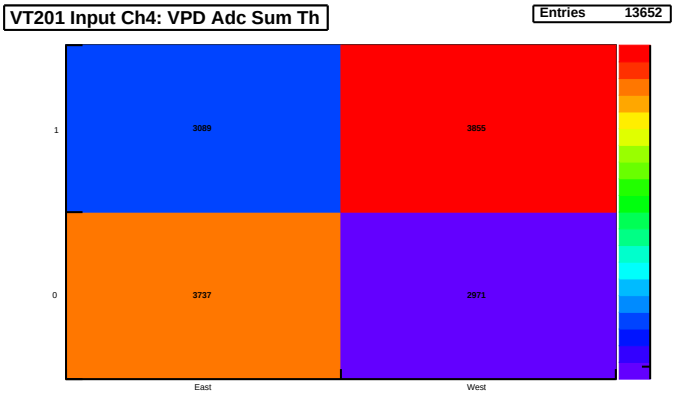

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

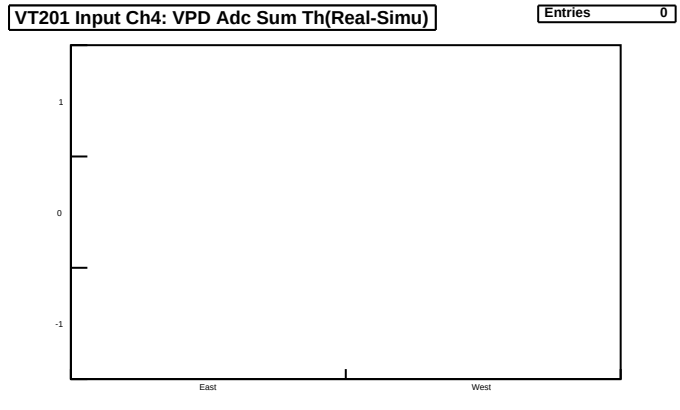

VT201 Input Ch2: ZDC Adc Sum Th
Entries 54608
120
28
130
49
2
2
6706
6798
6826
6826
6696
6777
6824
6824
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

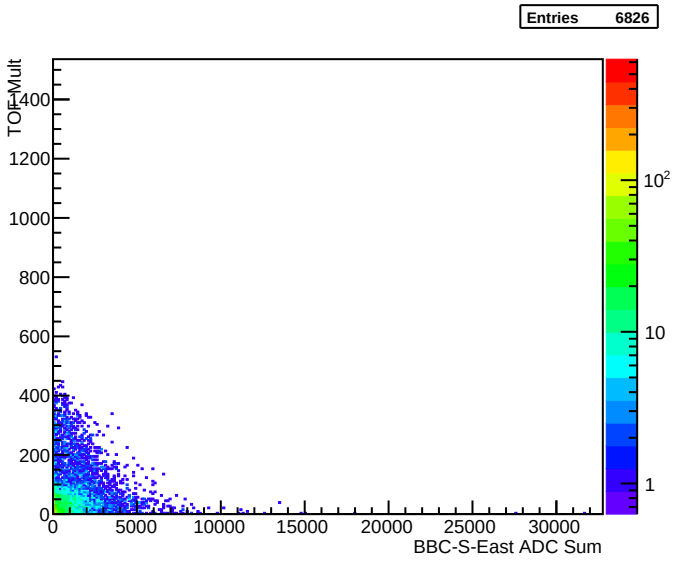

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

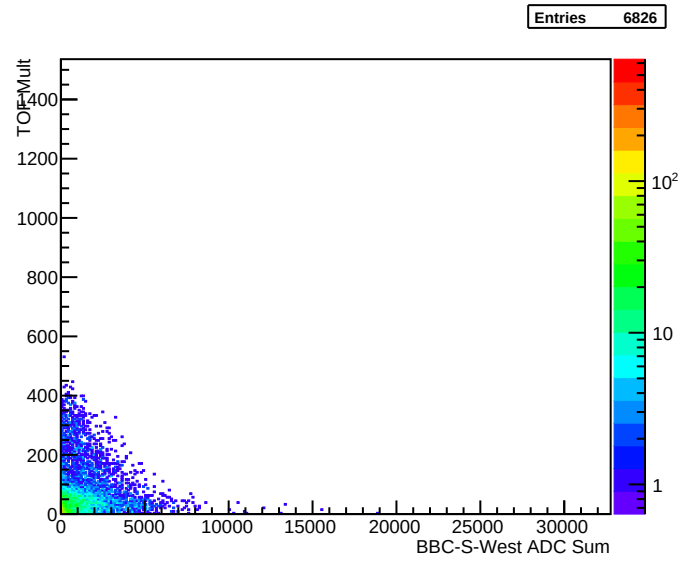

VT201 Input Ch4: VPD Tac Diff
Entries 6826
Tac

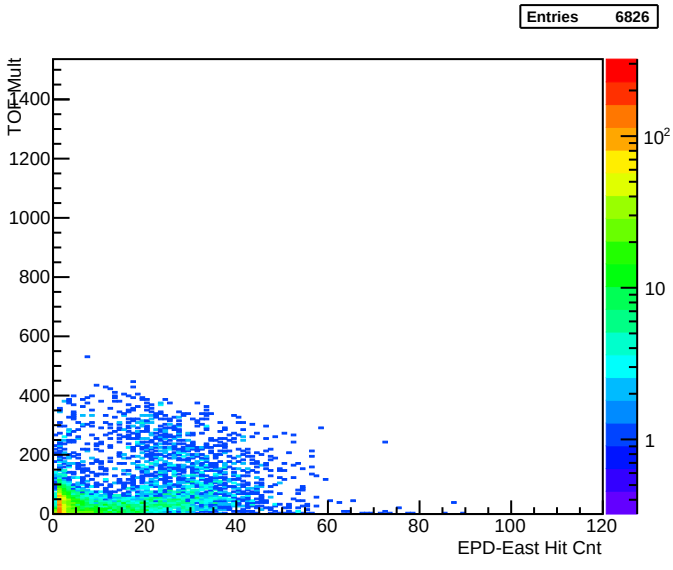

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

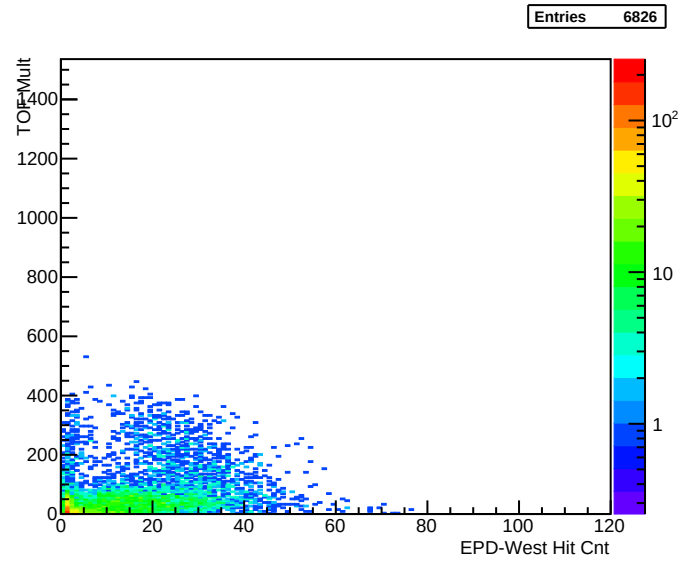

VT201 Input Ch4: VPD Adc Sum Th
Entries 13652
3089
3855
3737
2971
East
West

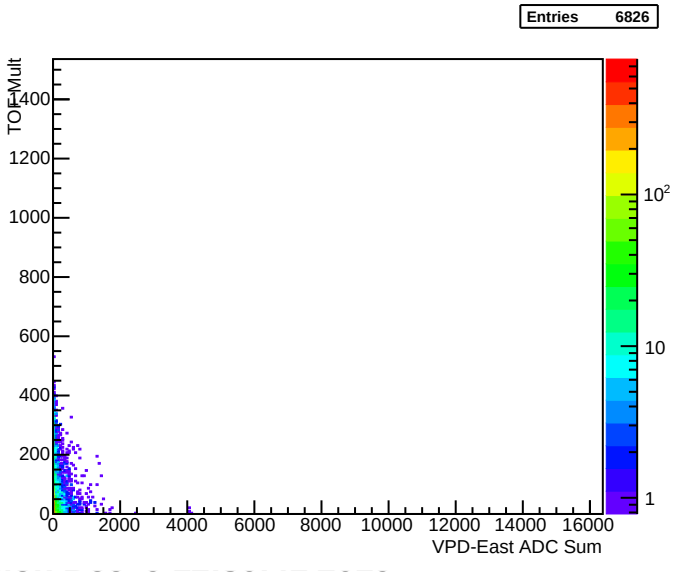

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

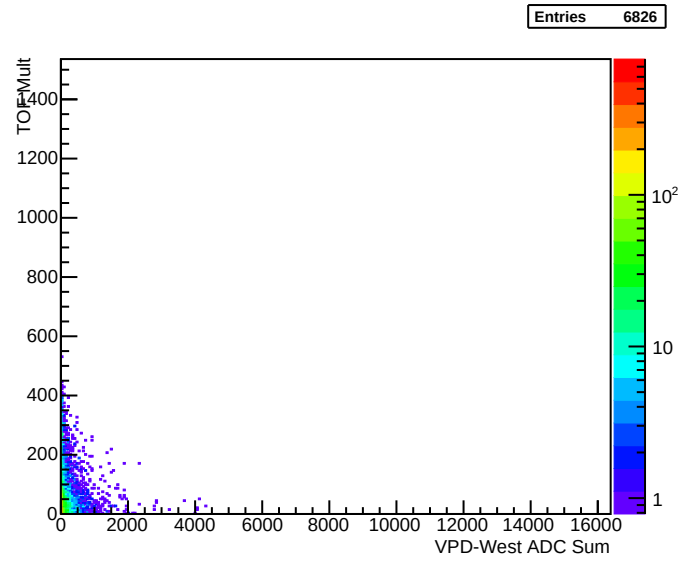

Entries 6826
TOF-Mult
BBC-S-East ADC Sum

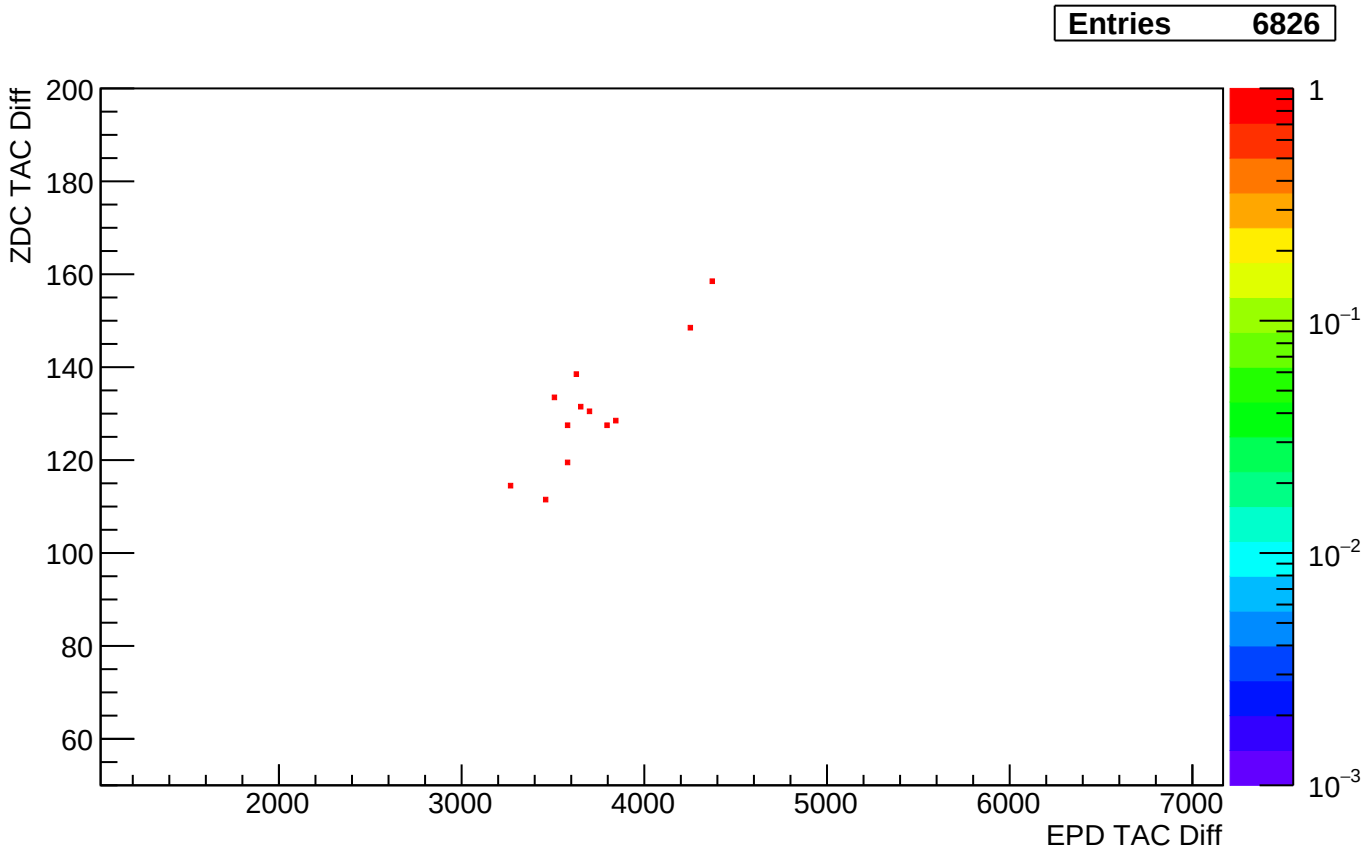

Entries 6826
TOF-Mult
BBC-S-West ADC Sum

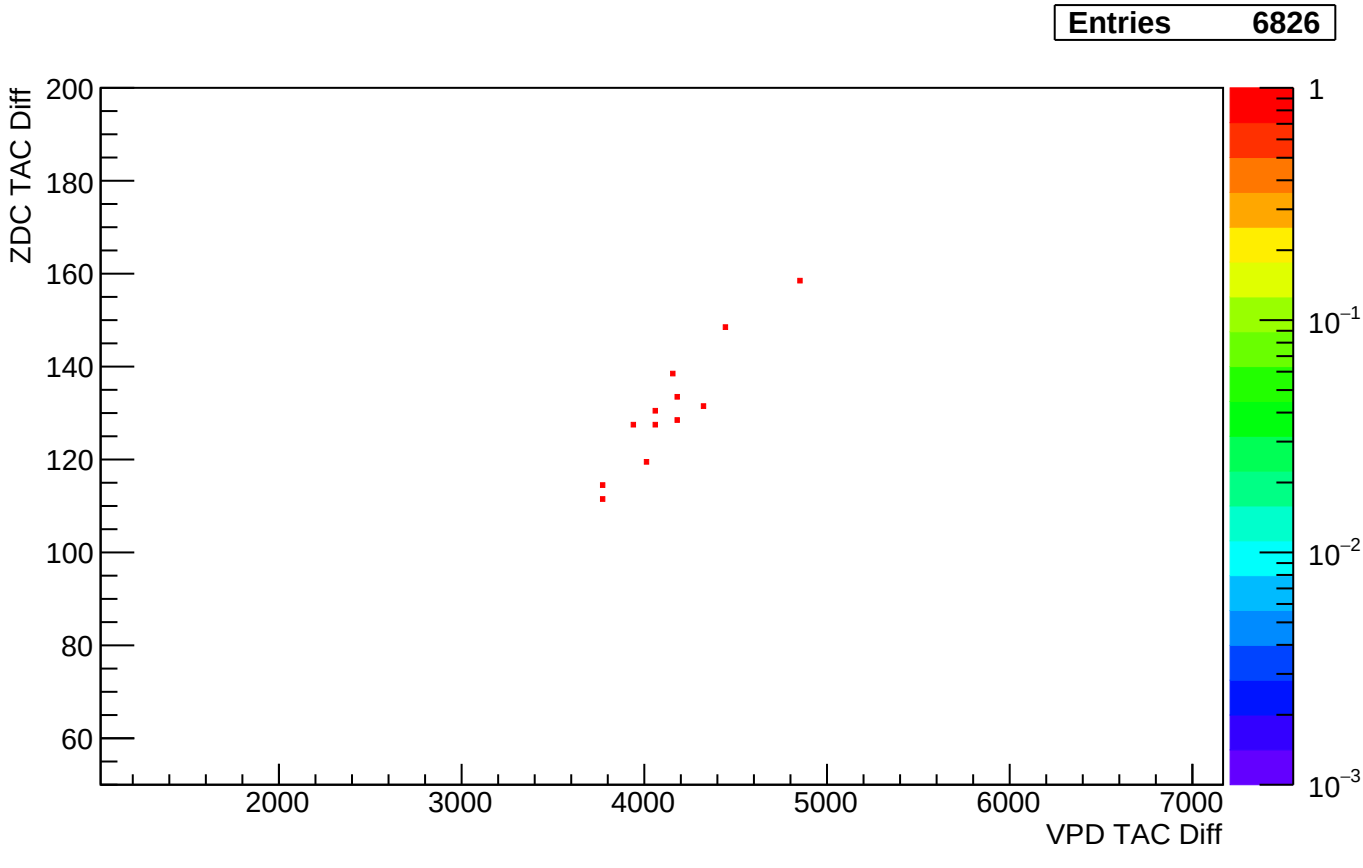

Entries 6826
TOF-Mult
EPD-East Hit Cnt

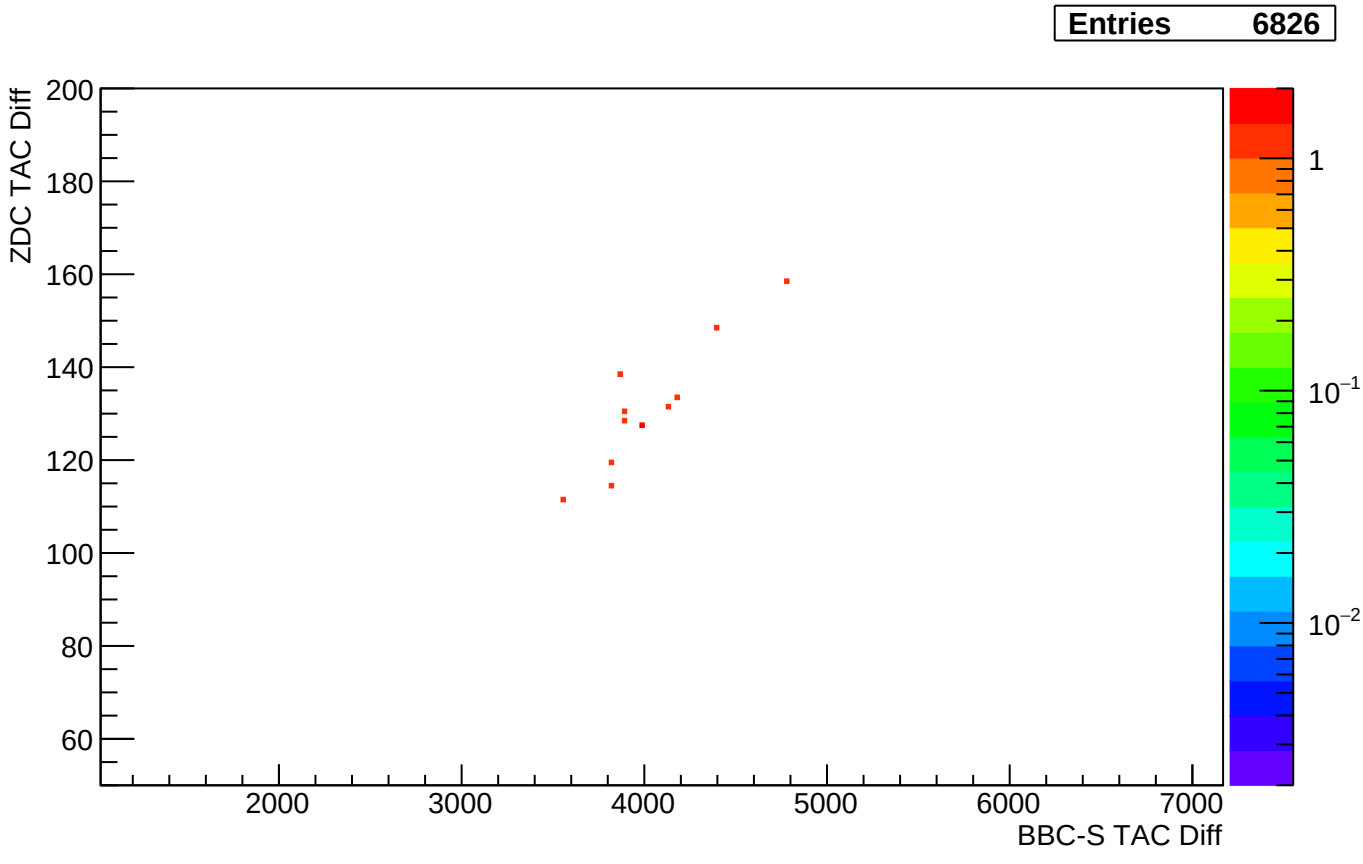

Entries 6826
TOF-Mult
EPD-West Hit Cnt

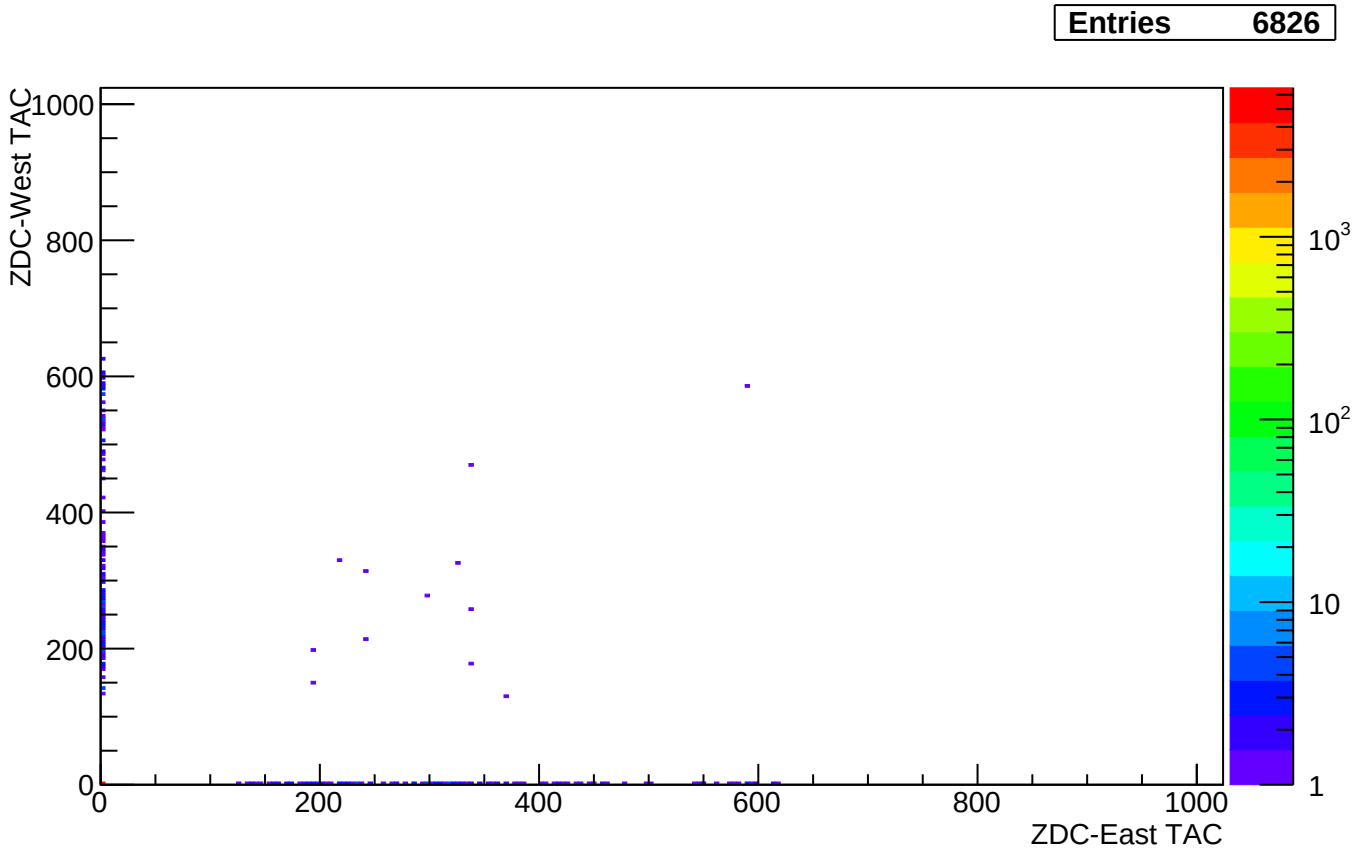

Entries 6826
TOF-Mult
VPD-East ADC Sum

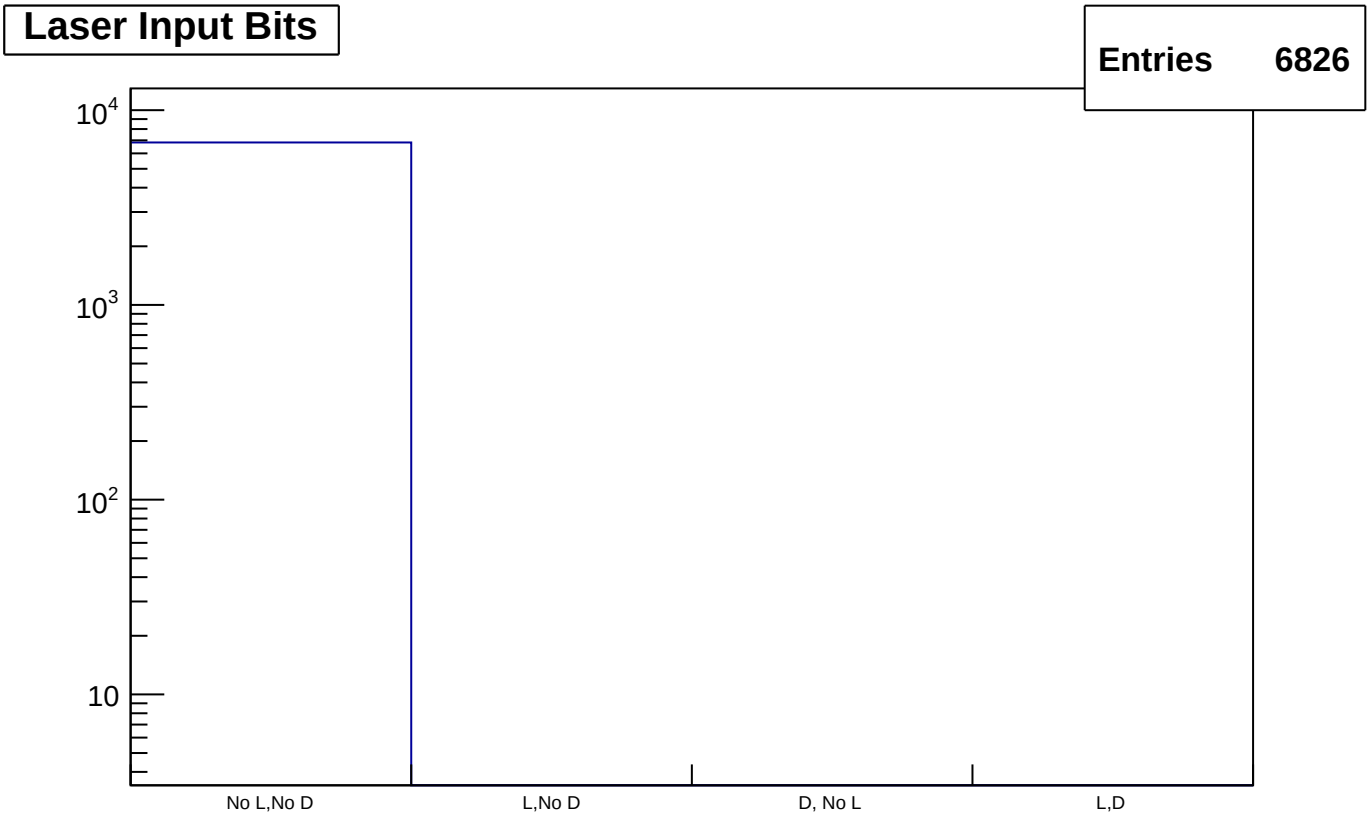

Entries 6826
TOF-Mult
VPD-West ADC Sum

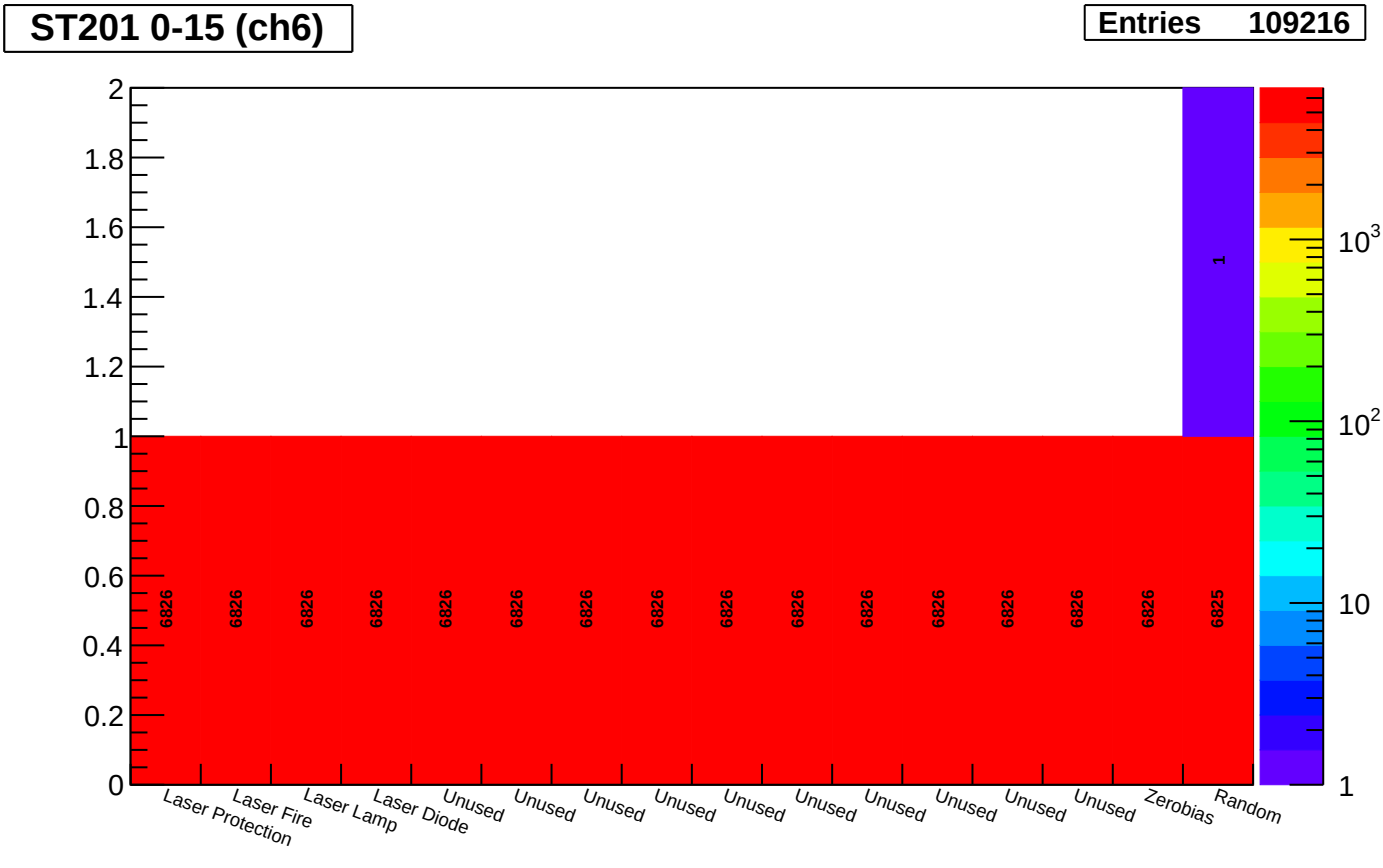

Entries 6826
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

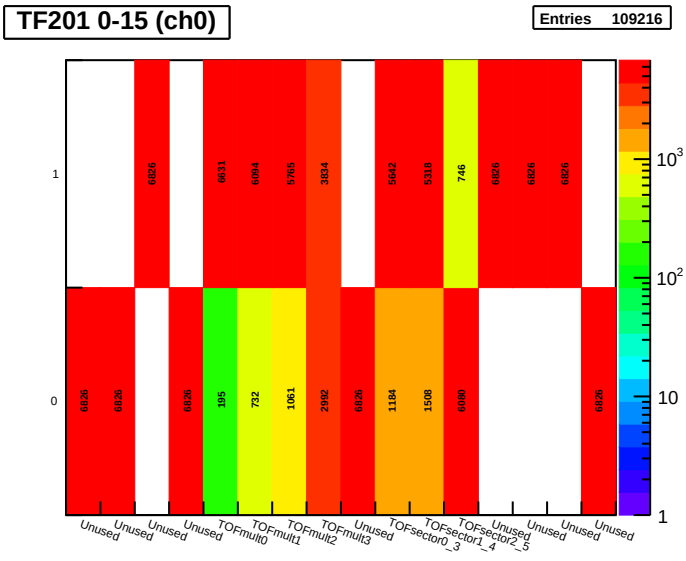

Entries 6826
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

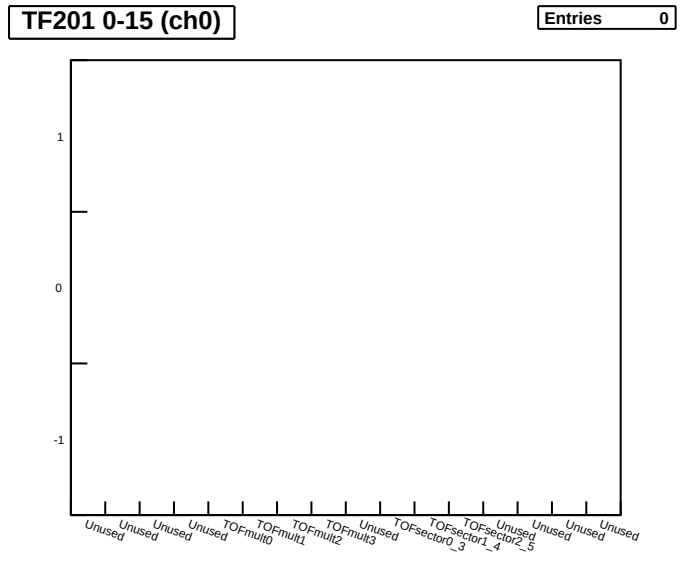

Entries 6826
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

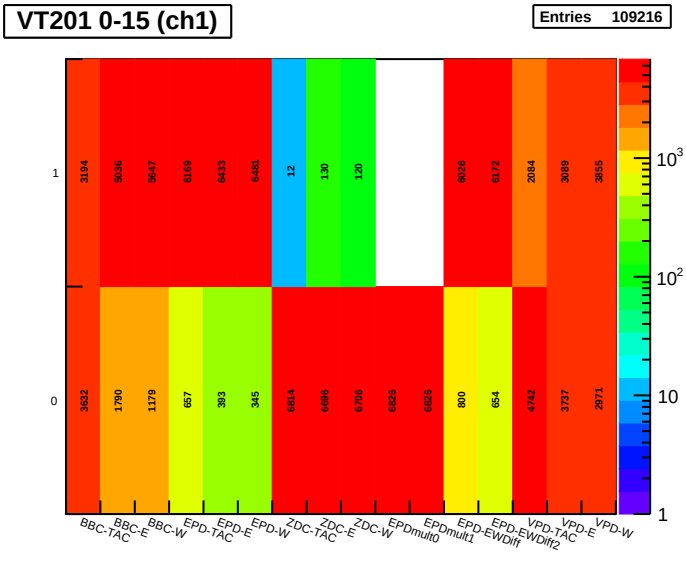

Entries 6826
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^3
10^2
10
1

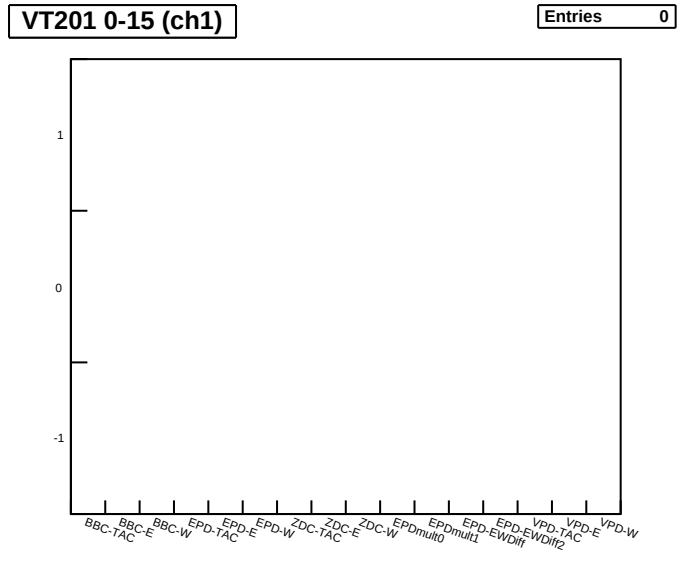

Laser Input Bits
Entries 6826
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

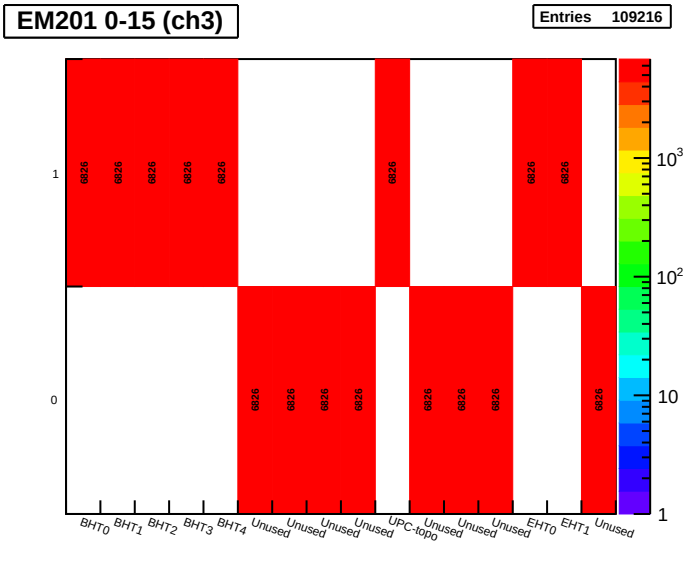

ST201 0-15 (ch6)
Entries 109216
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
6826
6825
1
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

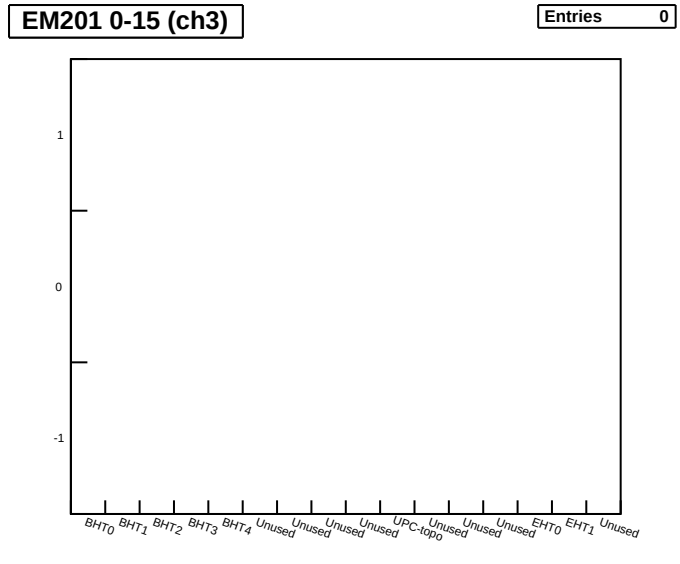

TF201 0-15 (ch0)
Entries 109216
1
0
6826 6631 6094 5765 3834 5642 5318 746 6826 6826 6826
6826 6826 6826 195 722 1061 2992 6826 1184 1508 6080 6826
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
10^3
10^2
10
1


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 109216
1
0
3194 5036 5647 6169 6433 6481 12 130 120 6026 6172 2084 3089 3855
3632 1790 1179 657 393 345 6814 6686 6706 6826 6826 800 654 4742 3737 2971
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 109216
1
0
6826 6826 6826 6826 6826 6826 6826 6826
6826 6826 6826 6826 6826 6826 6826 6826
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