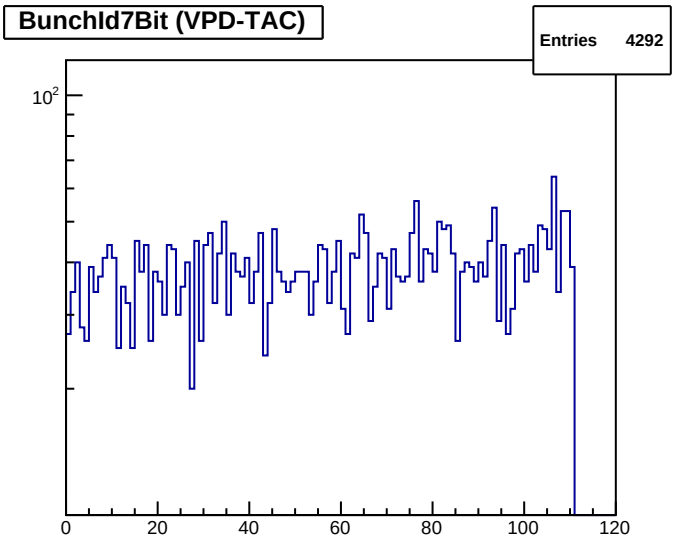
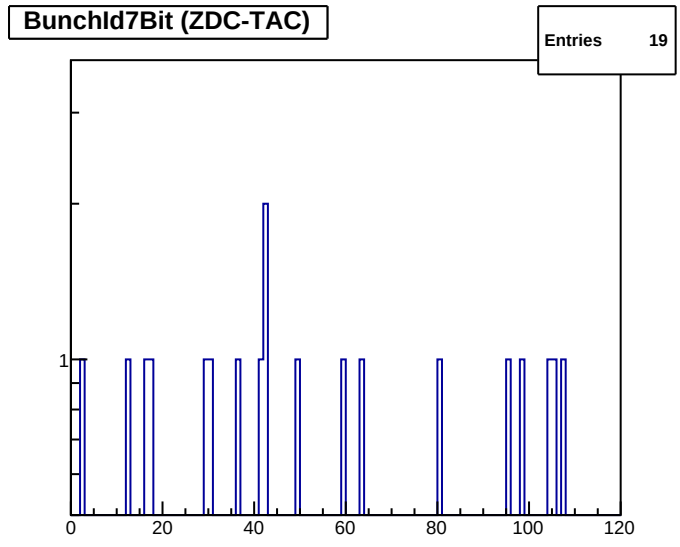
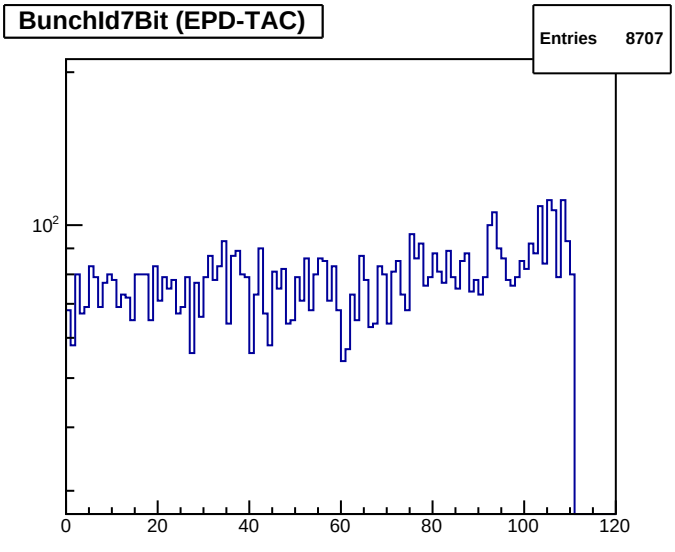
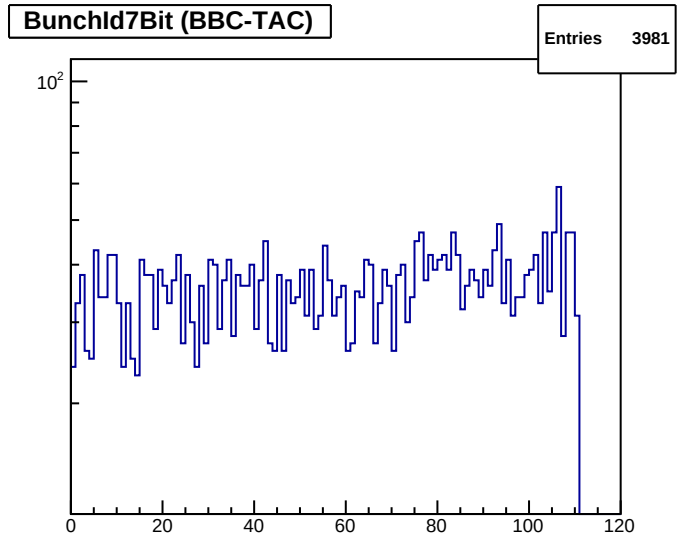
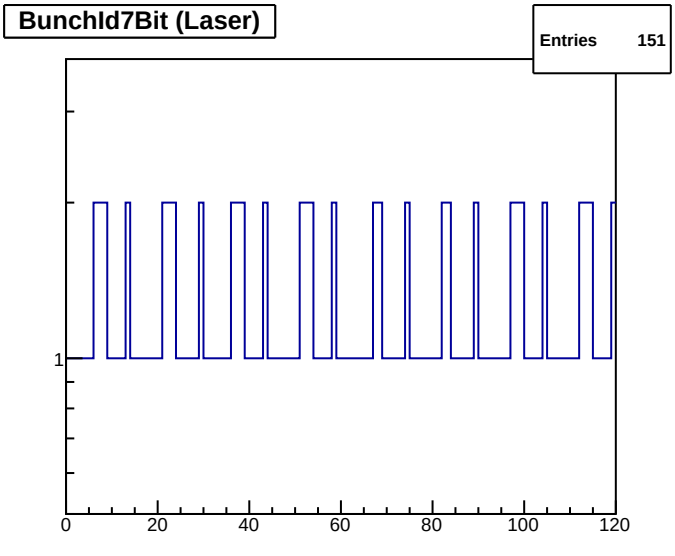
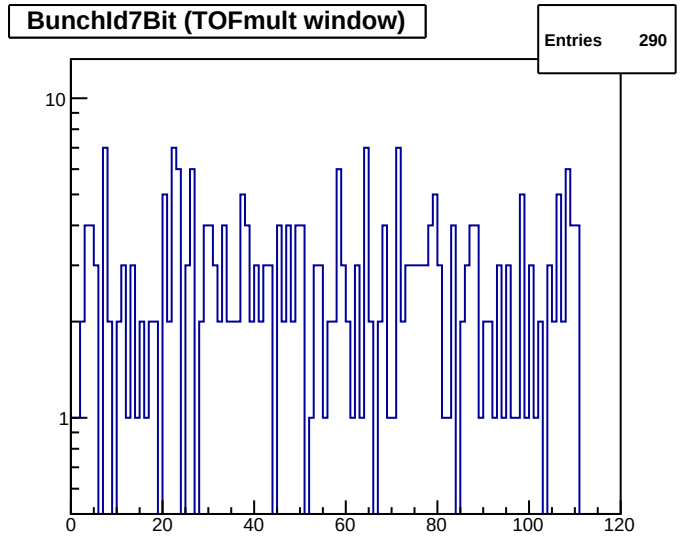

BunchId7Bit (VPD-TAC)
Entries 4292
10^2
0 20 40 60 80 100 120

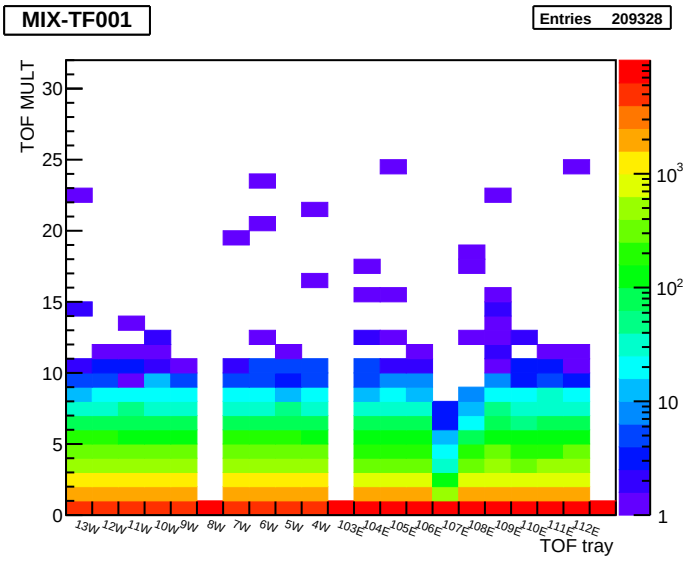

BunchId7Bit (ZDC-TAC)
Entries 19
1
0 20 40 60 80 100 120

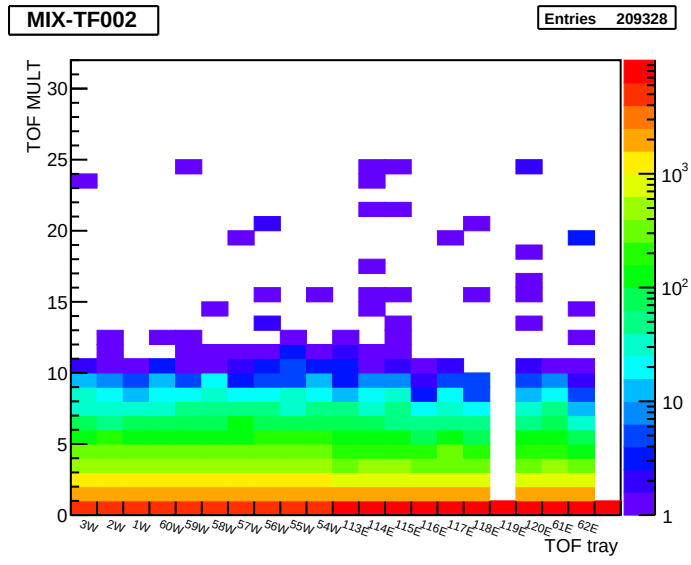

BunchId7Bit (EPD-TAC)
Entries 8707
10^2
0 20 40 60 80 100 120

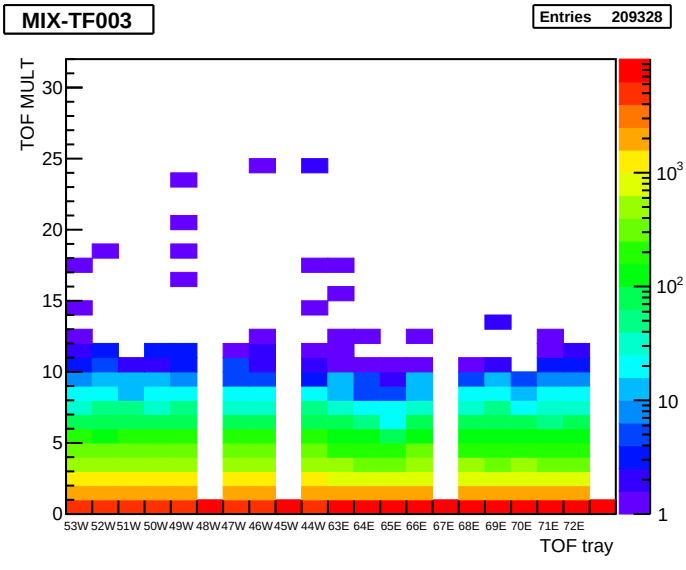

BunchId7Bit (BBC-TAC)
Entries 3981
10^2
0 20 40 60 80 100 120

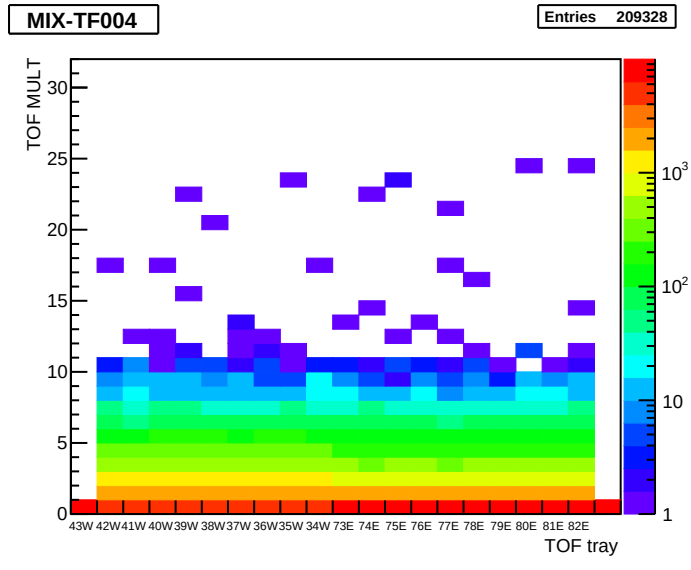

BunchId7Bit (Laser)
Entries 151
1
0 20 40 60 80 100 120

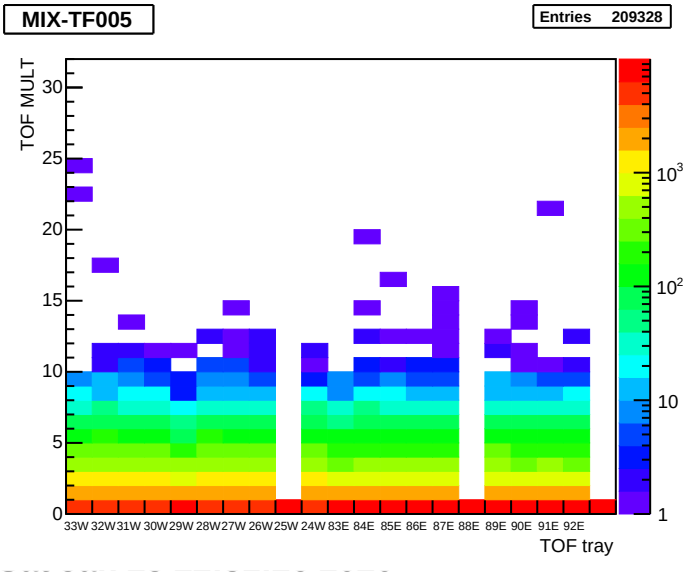

BunchId7Bit (TOFmult window)
Entries 290
10
1
0 20 40 60 80 100 120

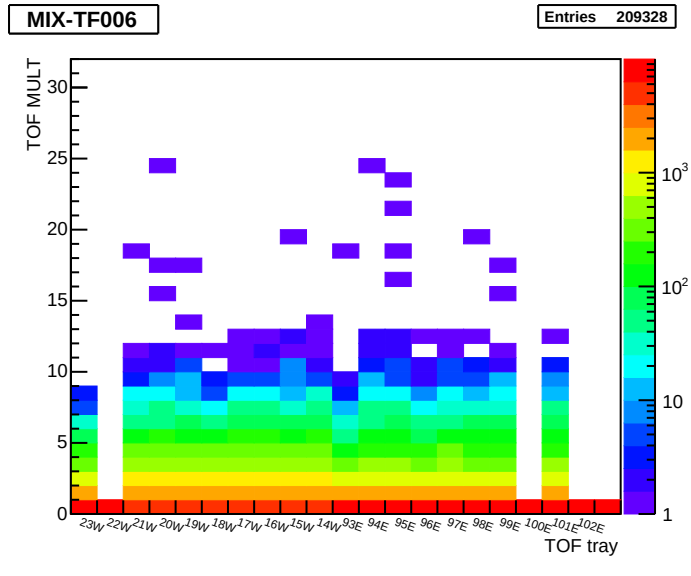

MIX-TF001
Entries 209328
TOF MULT
TOF tray

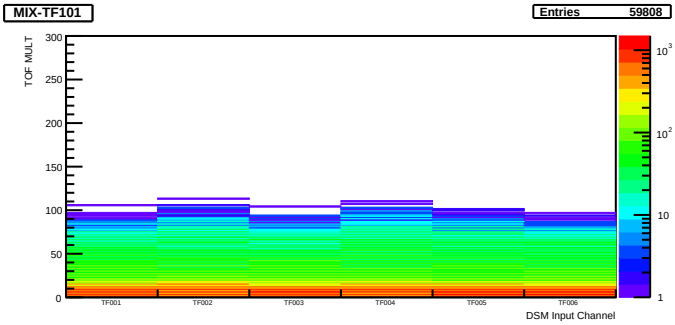

MIX-TF002
Entries 209328
TOF MULT
TOF tray

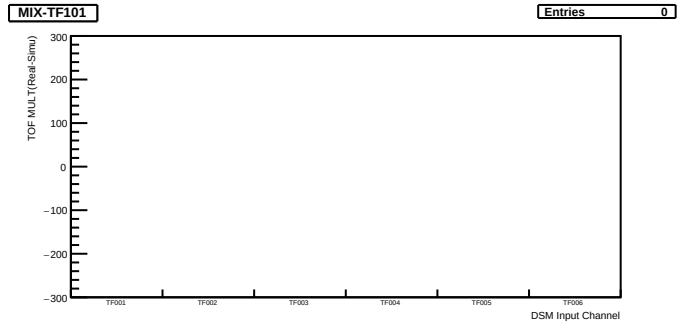

MIX-TF003
Entries 209328
TOF MULT
TOF tray

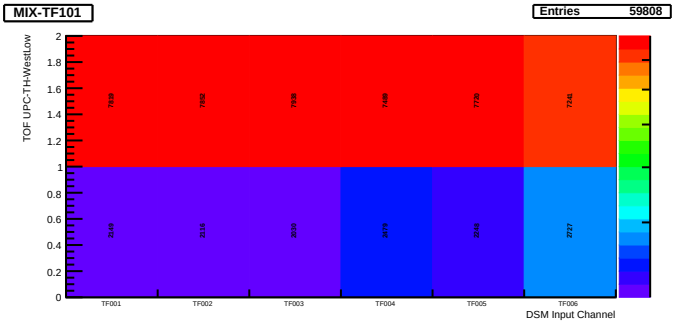

MIX-TF004
Entries 209328
TOF MULT
TOF tray

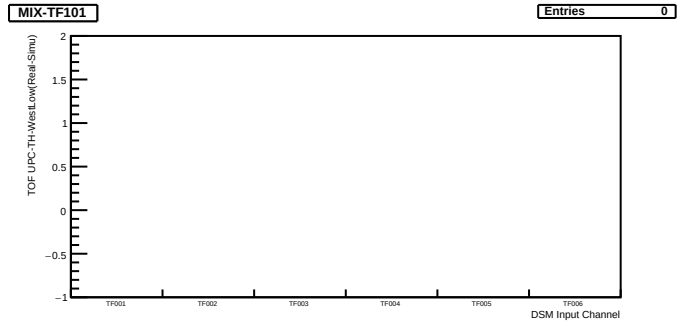

MIX-TF005
Entries 209328
TOF MULT
TOF tray

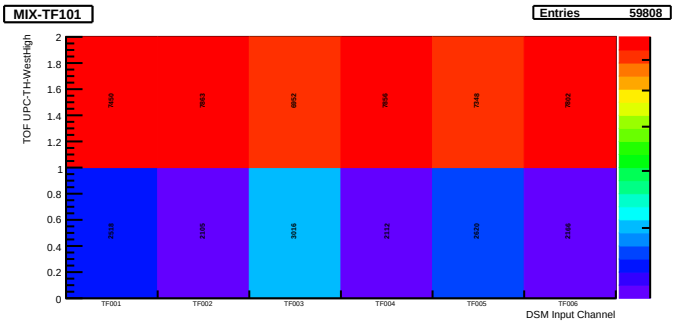

MIX-TF006
Entries 209328
TOF MULT
TOF tray

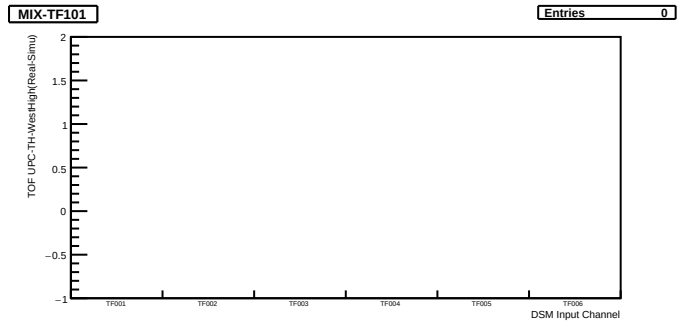

MIX-TF101
Entries 59808
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

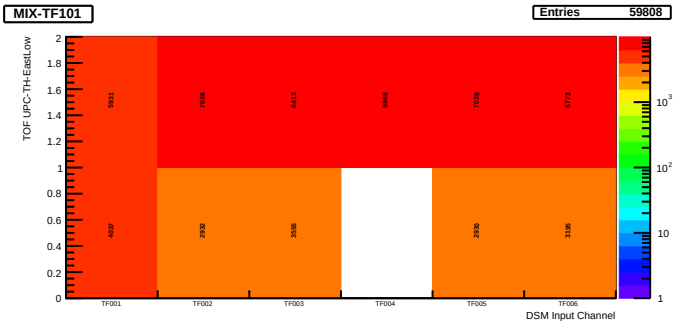

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

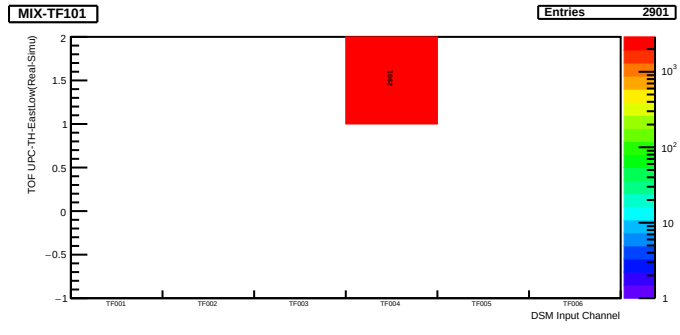

MIX-TF101
Entries 59808
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

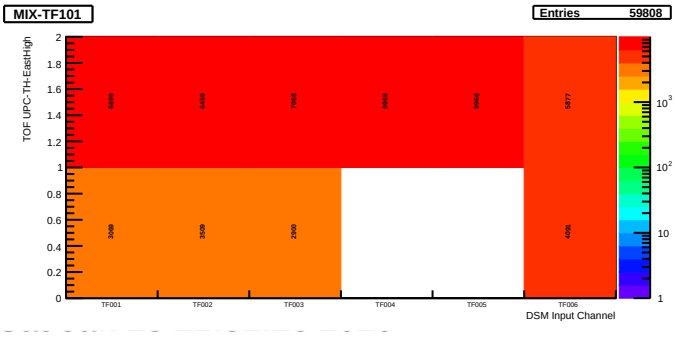

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

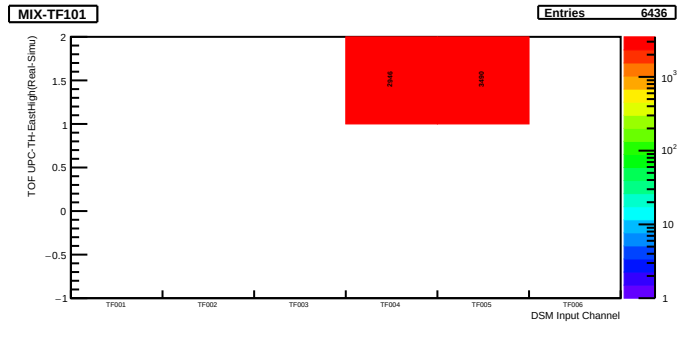

MIX-TF101
Entries 59808
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

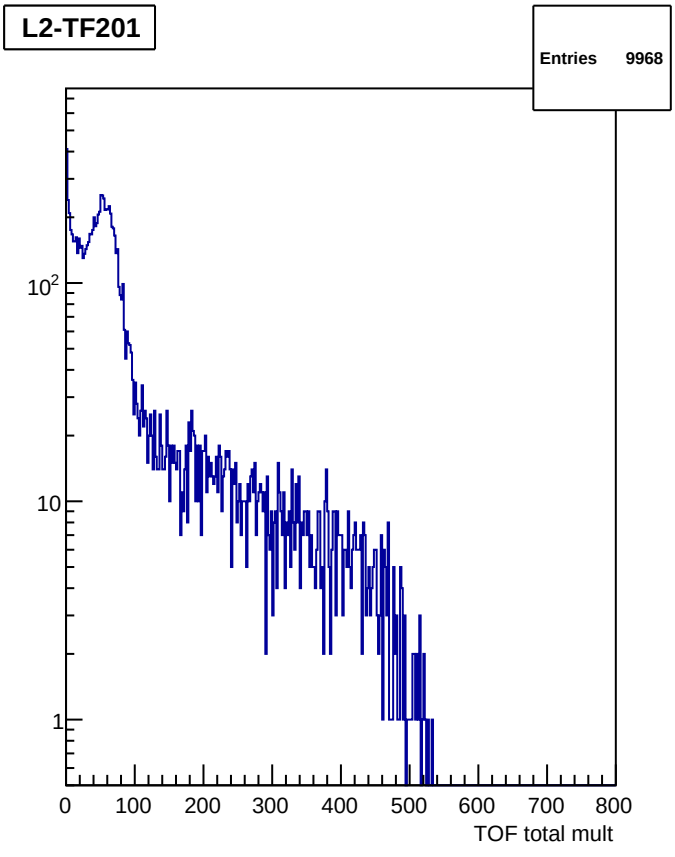

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

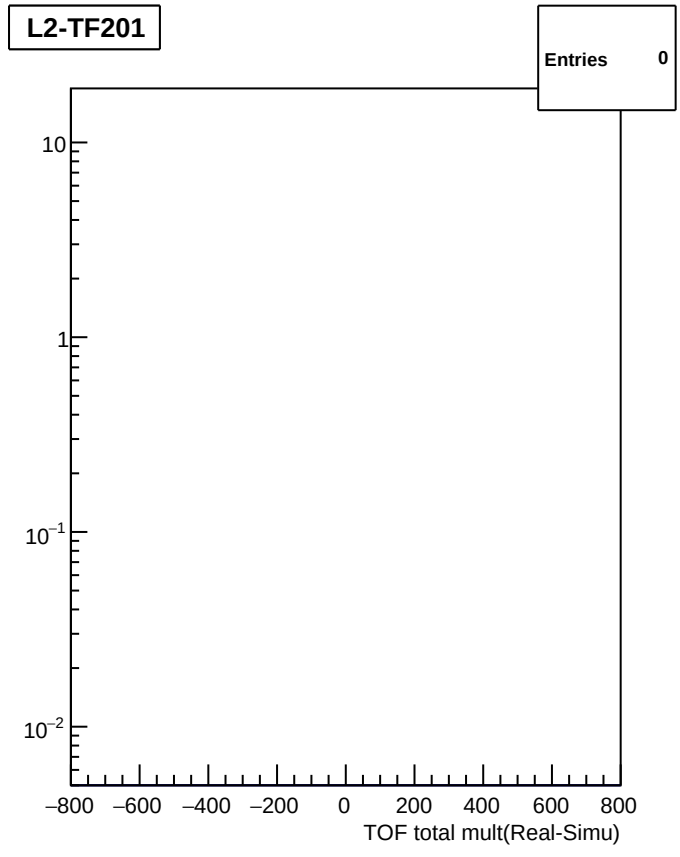

MIX-TF101
Entries 59808
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

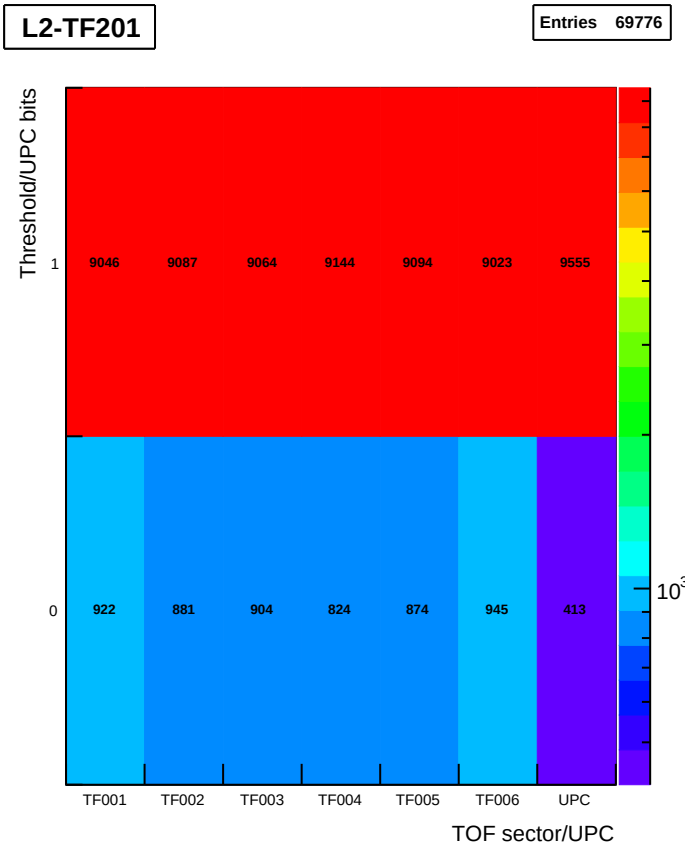

MIX-TF101
Entries 2901
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

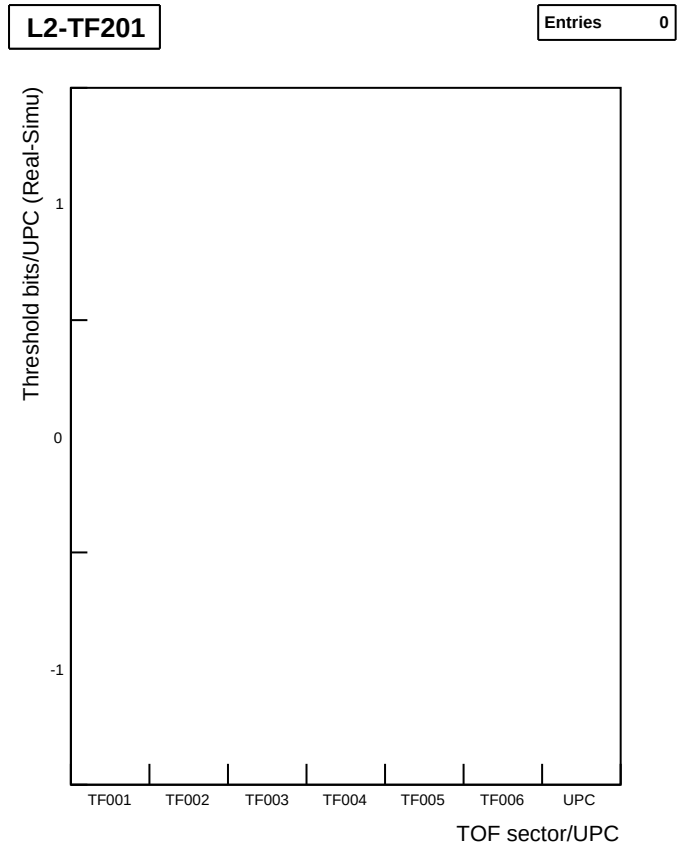

MIX-TF101
Entries 59808
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

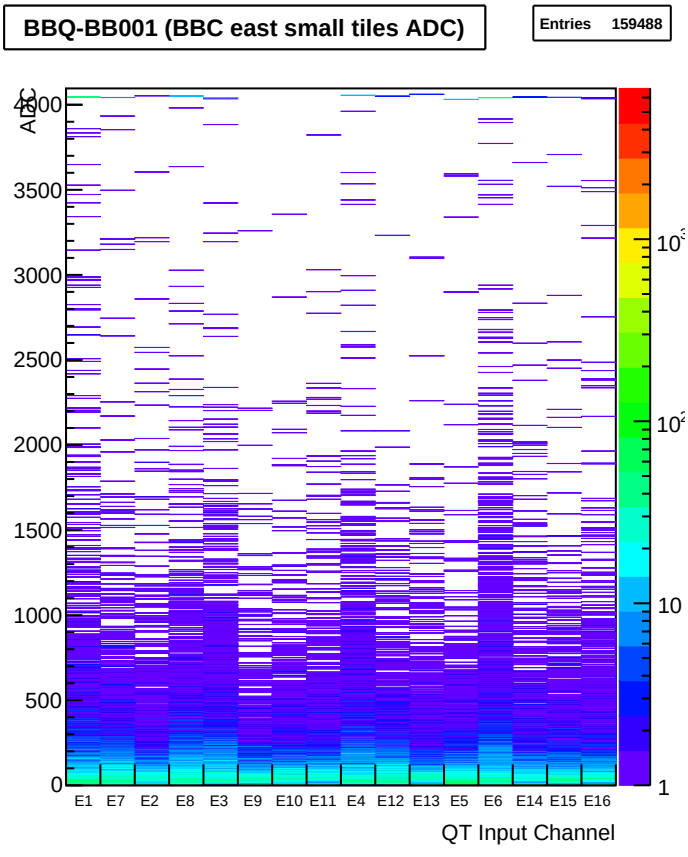

MIX-TF101
Entries 6436
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

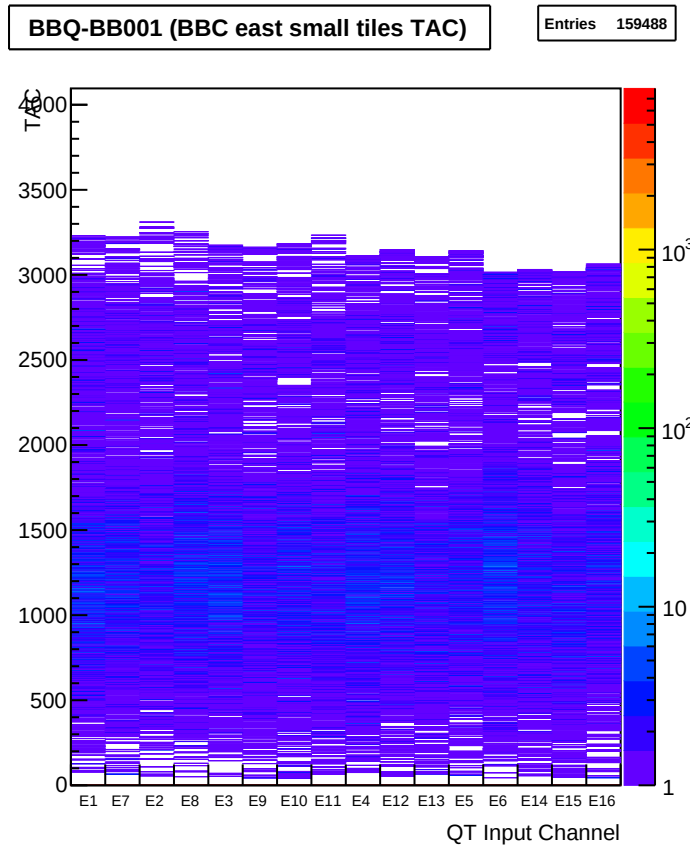

L2-TF201
Entries 9968
10^2
10
1
0 100 200 300 400 500 600 700 800
TOF total mult

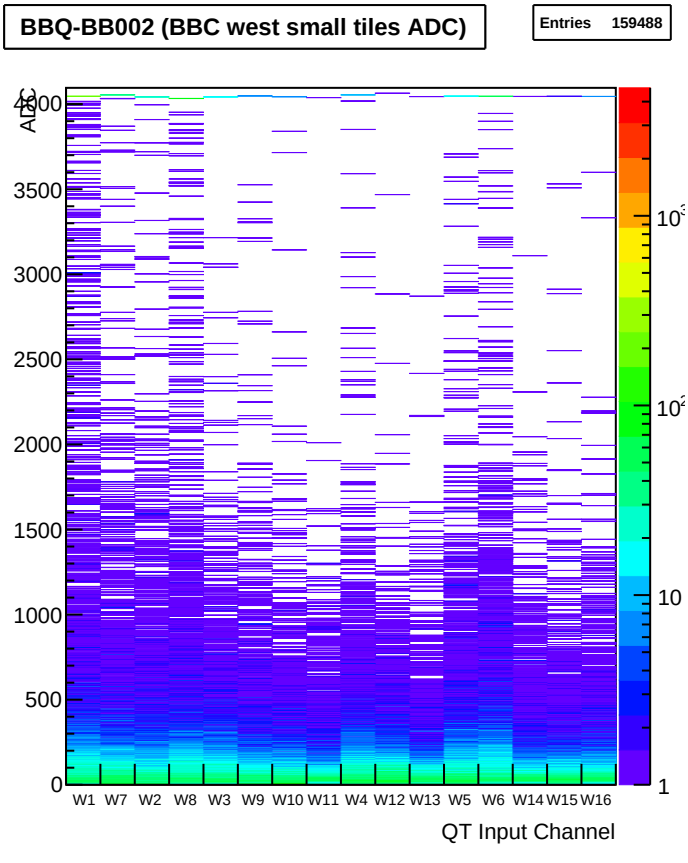

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
–800 –600 –400 –200 0 200 400 600 800
TOF total mult(Real-Simu)

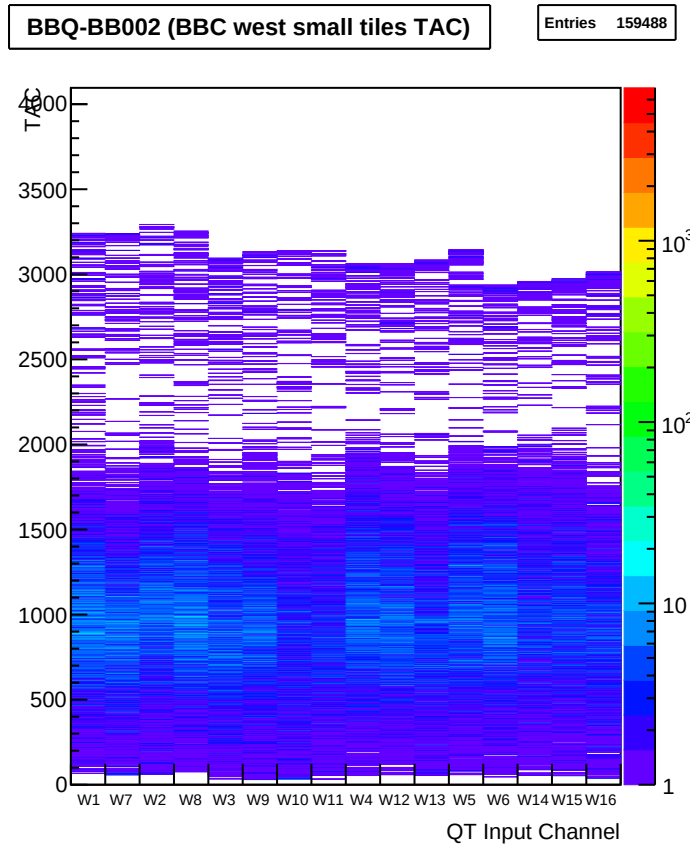

L2-TF201
Entries 69776
Threshold/UPC bits
1
0
9046 9087 9064 9144 9094 9023 9555
922 881 904 824 874 945 413
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

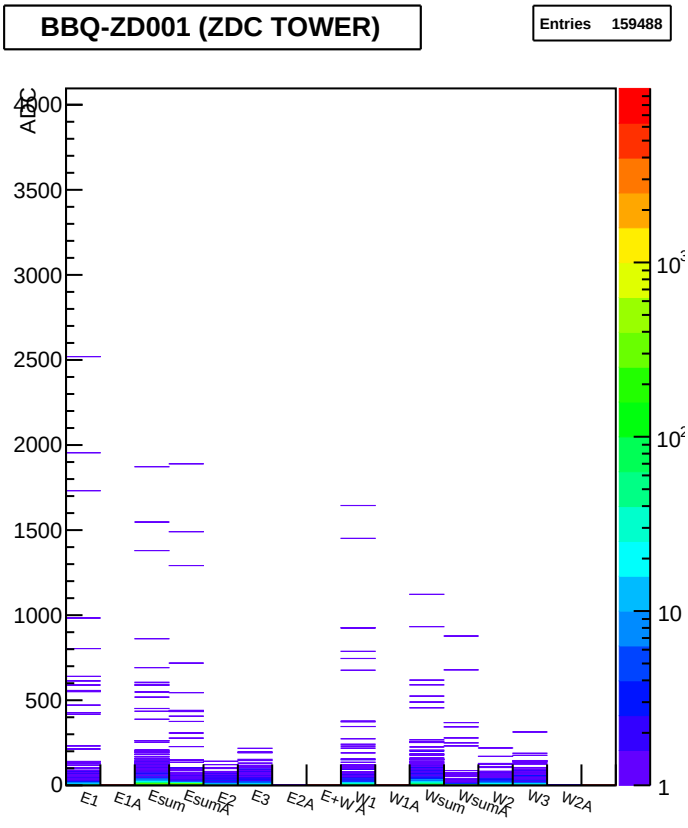

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

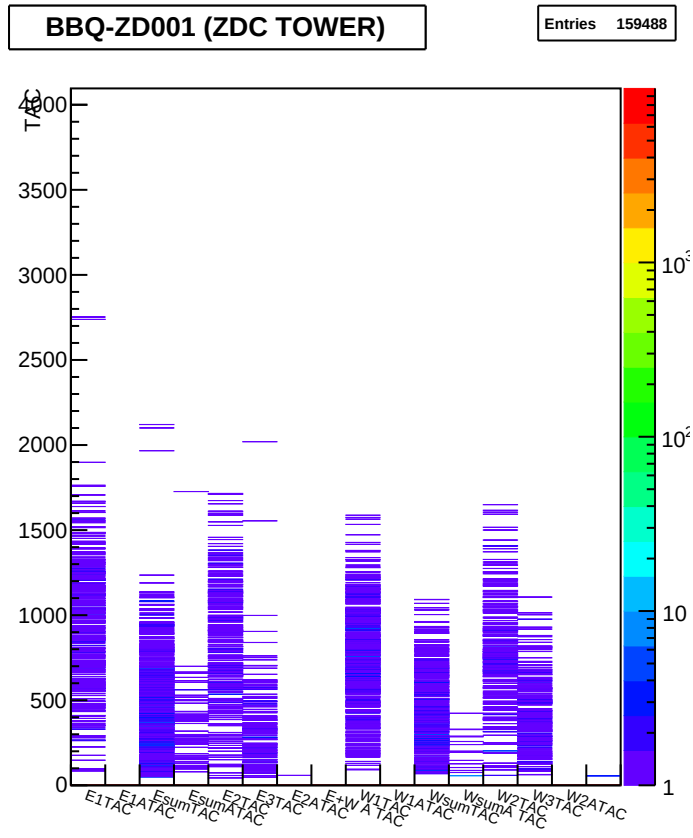

BBQ-BB001 (BBC east small tiles ADC)
Entries 159488
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

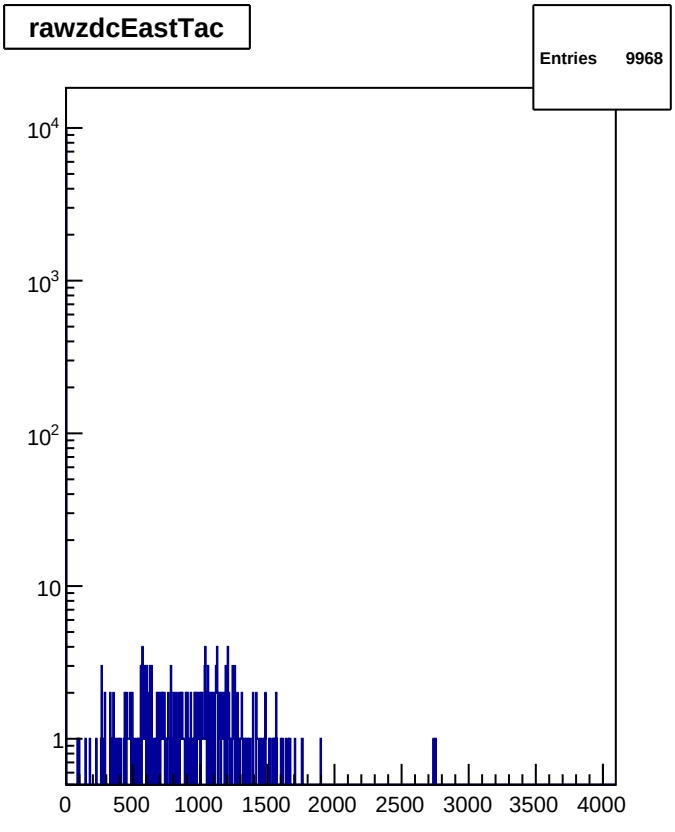

BBQ-BB001 (BBC east small tiles TAC)
Entries 159488
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

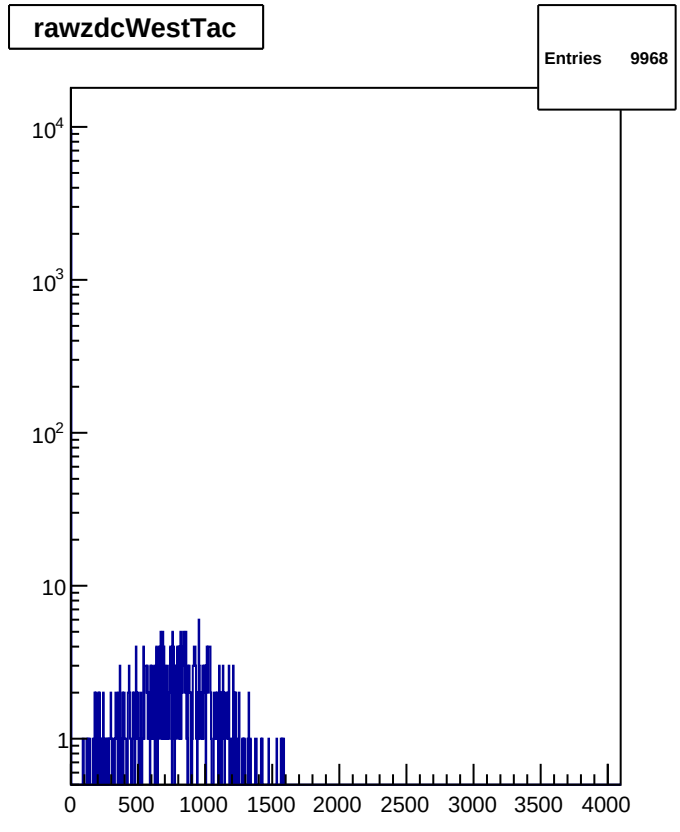

BBQ-BB002 (BBC west small tiles ADC)
Entries 159488
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

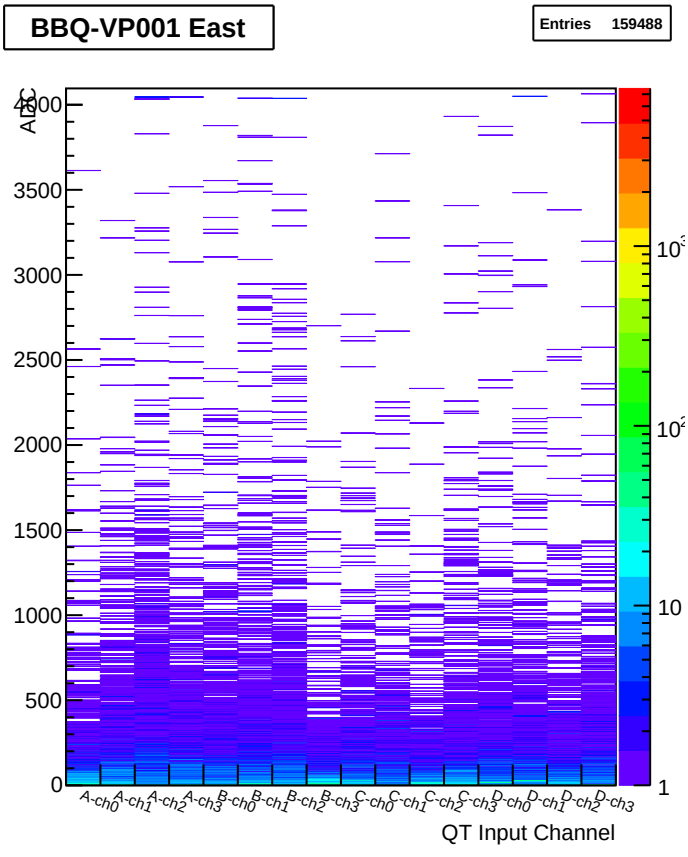

BBQ-BB002 (BBC west small tiles TAC)
Entries 159488
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

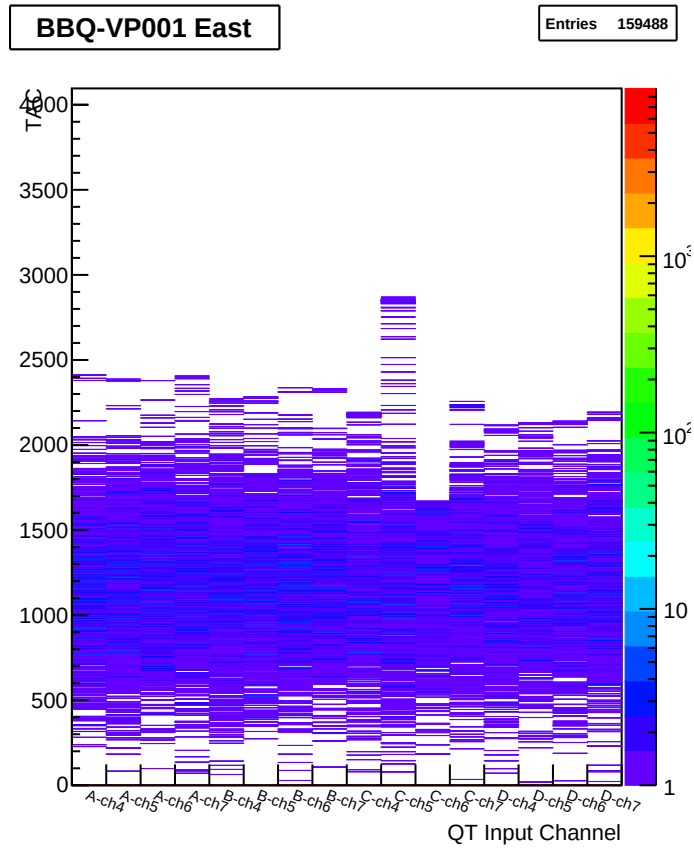

BBQ-ZD001 (ZDC TOWER)
Entries 159488
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W A
W1
W1A
Wsum
WsumA
W2
W3
W2A

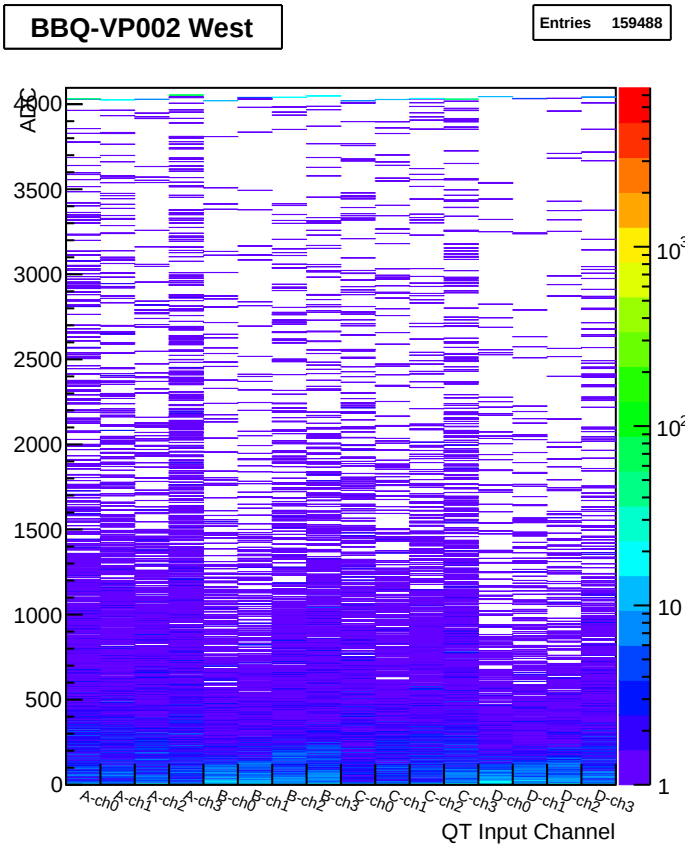

BBQ-ZD001 (ZDC TOWER)
Entries 159488
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

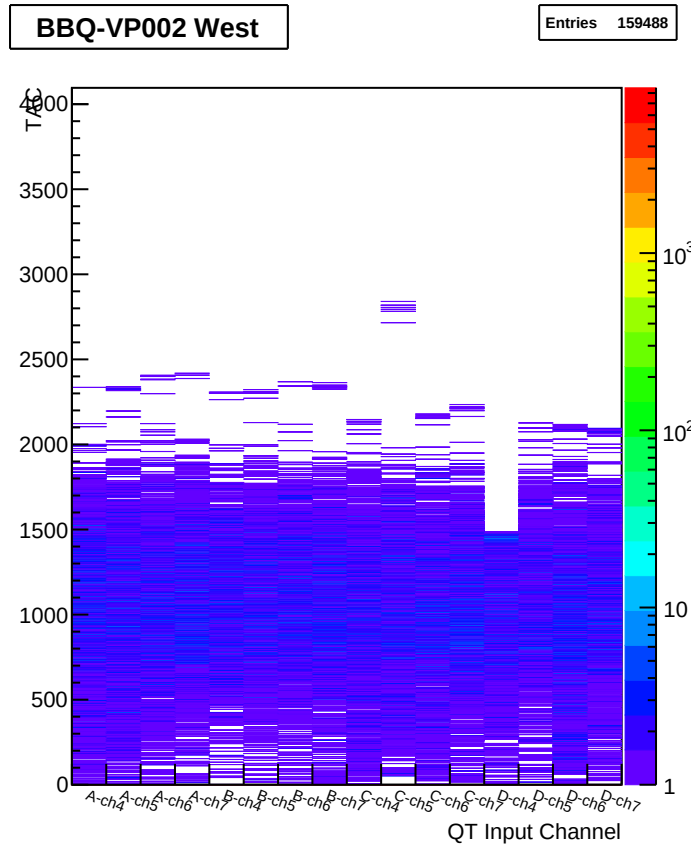

rawzdcEastTac
Entries 9968

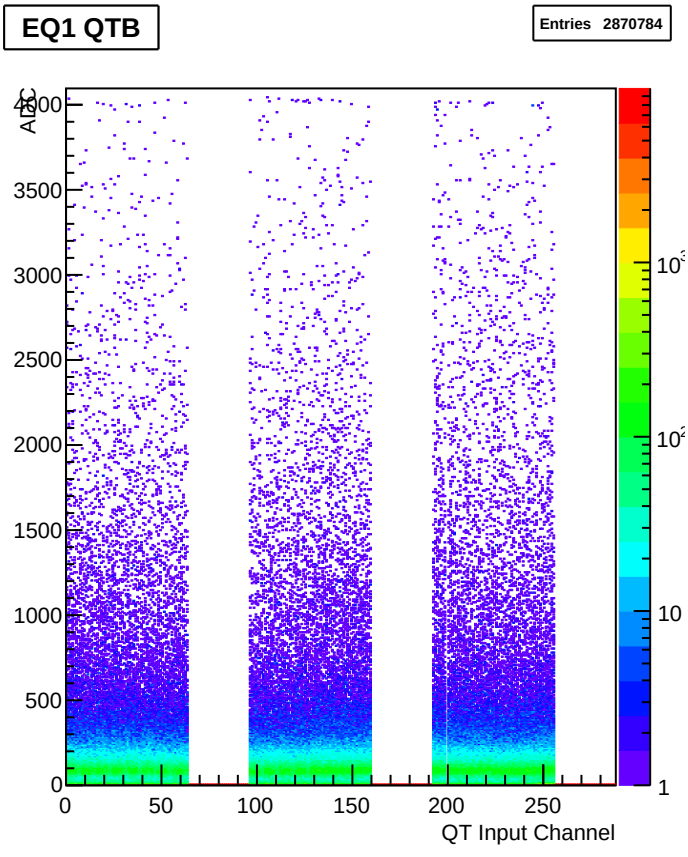

rawzdcWestTac
Entries 9968

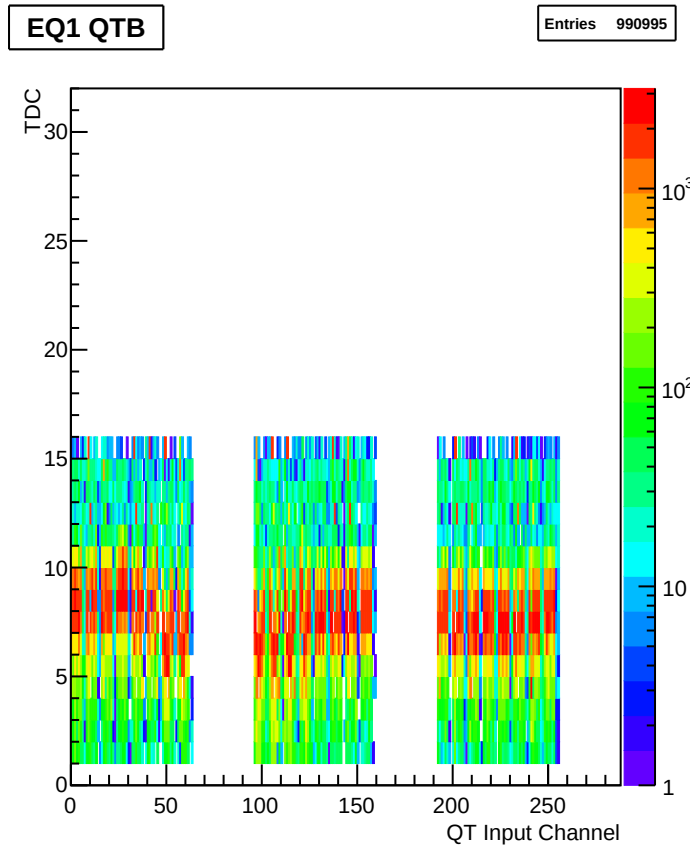

BBQ-VP001 East
Entries 159488
ADC
QT Input Channel

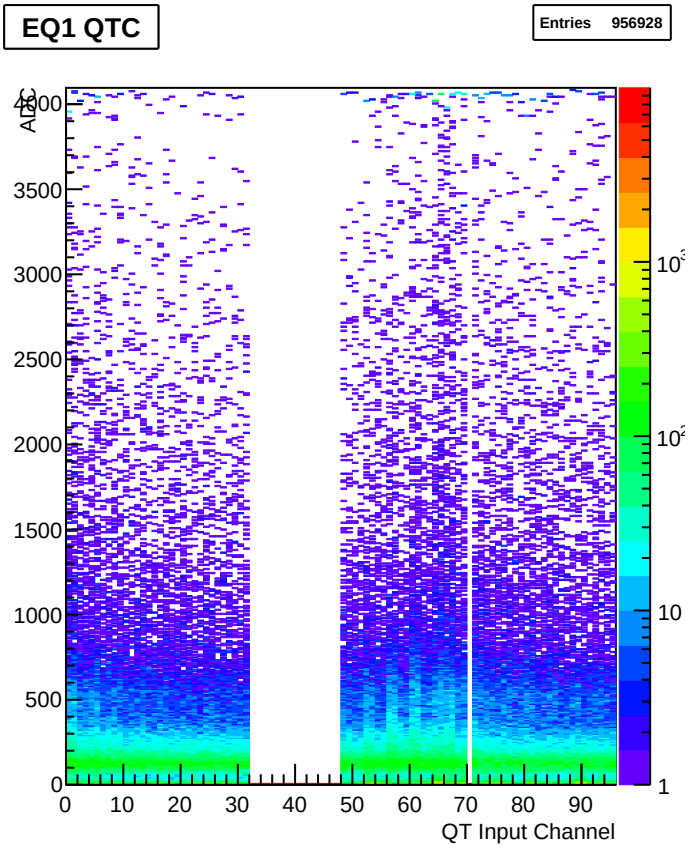

BBQ-VP001 East
Entries 159488
TADC
QT Input Channel

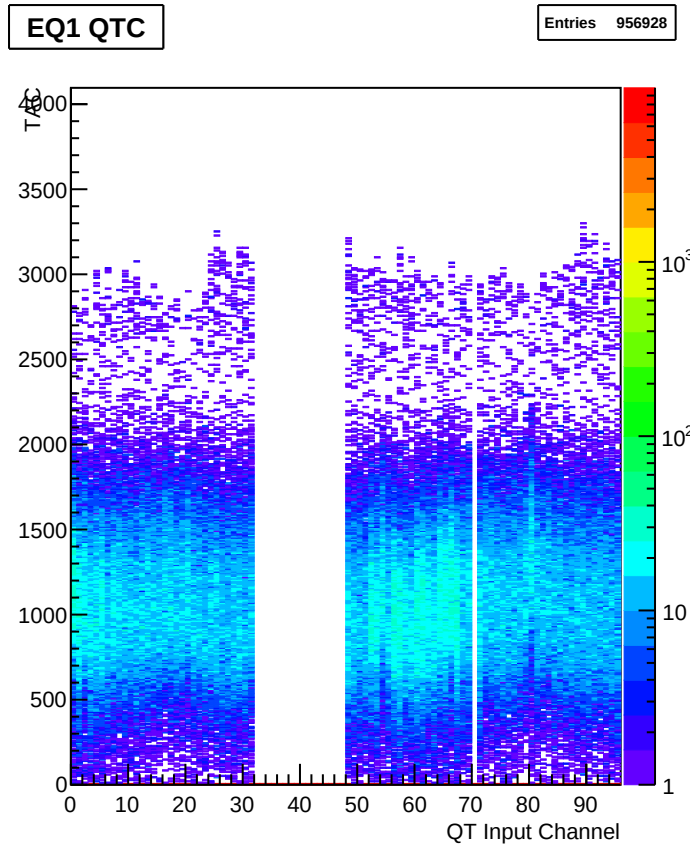

BBQ-VP002 West
Entries 159488
ADC
QT Input Channel

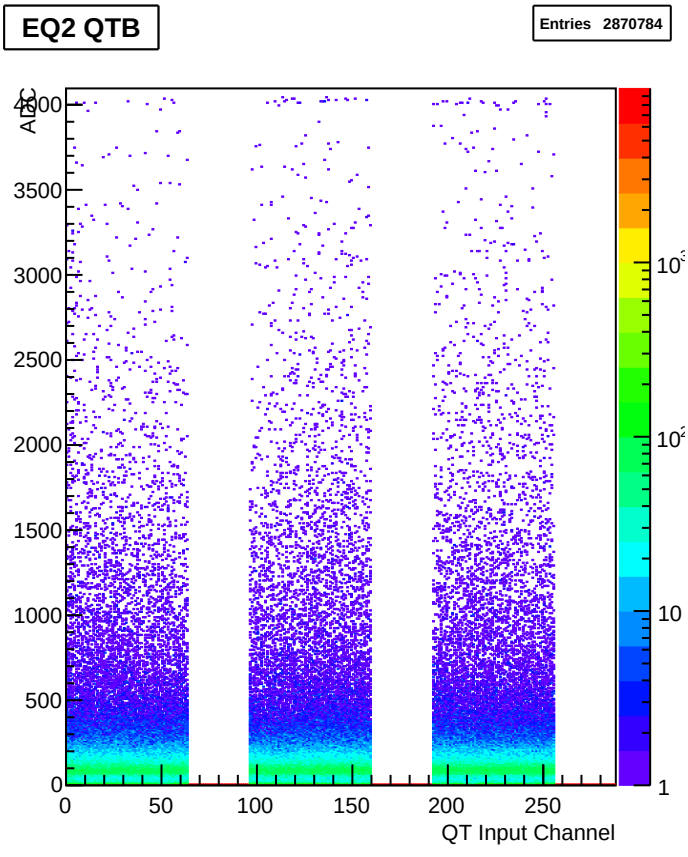

BBQ-VP002 West
Entries 159488
TADC
QT Input Channel

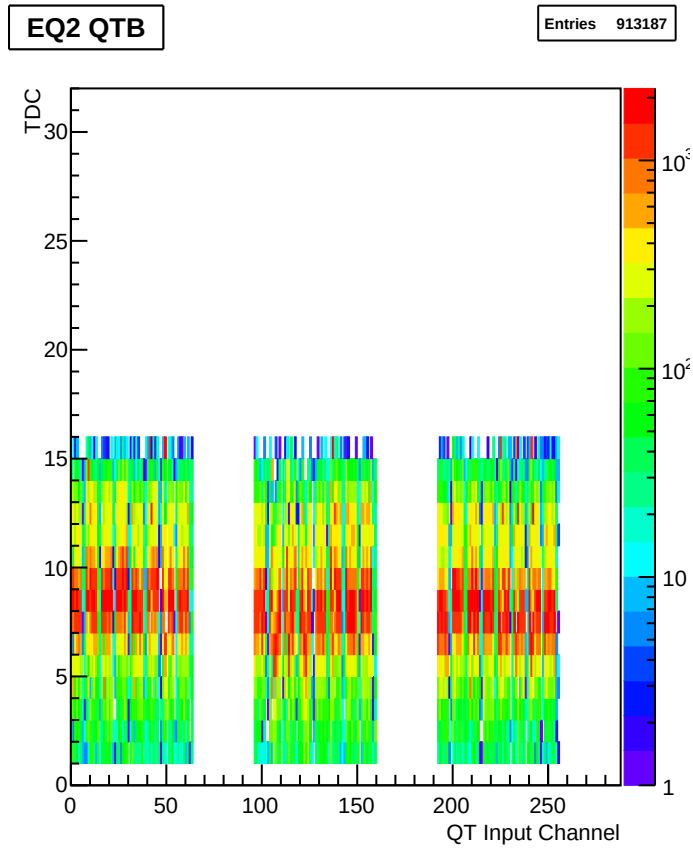

EQ1 QTB
Entries 2870784
ADC
QT Input Channel

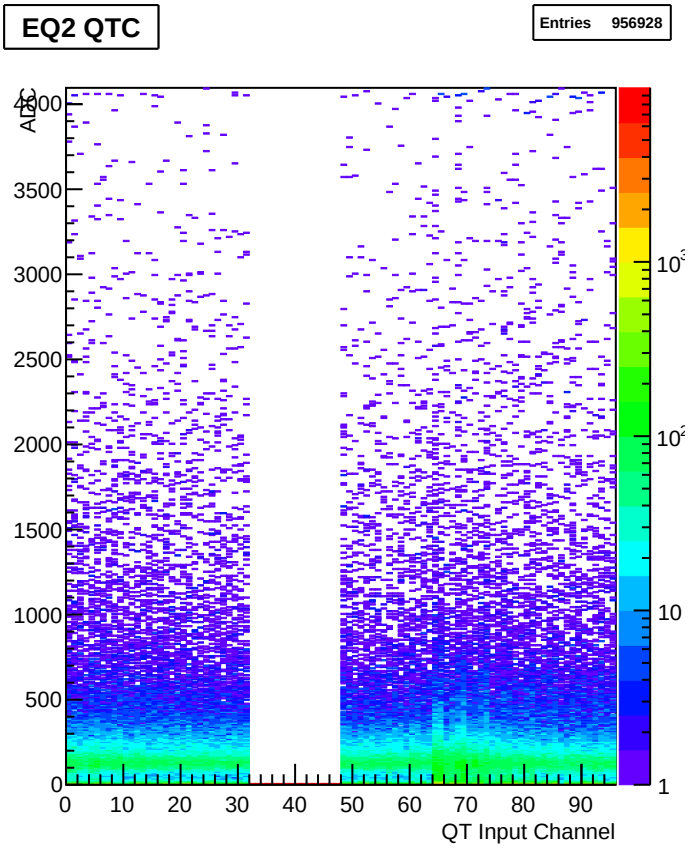

EQ1 QTB
Entries 990995
TDC
QT Input Channel

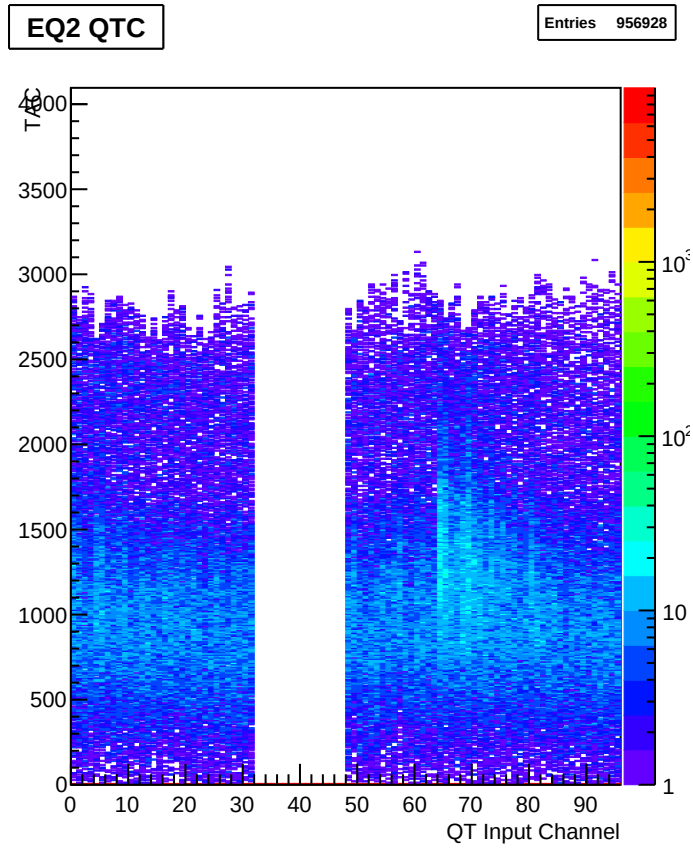

EQ1 QTC
Entries 956928
ADC
QT Input Channel

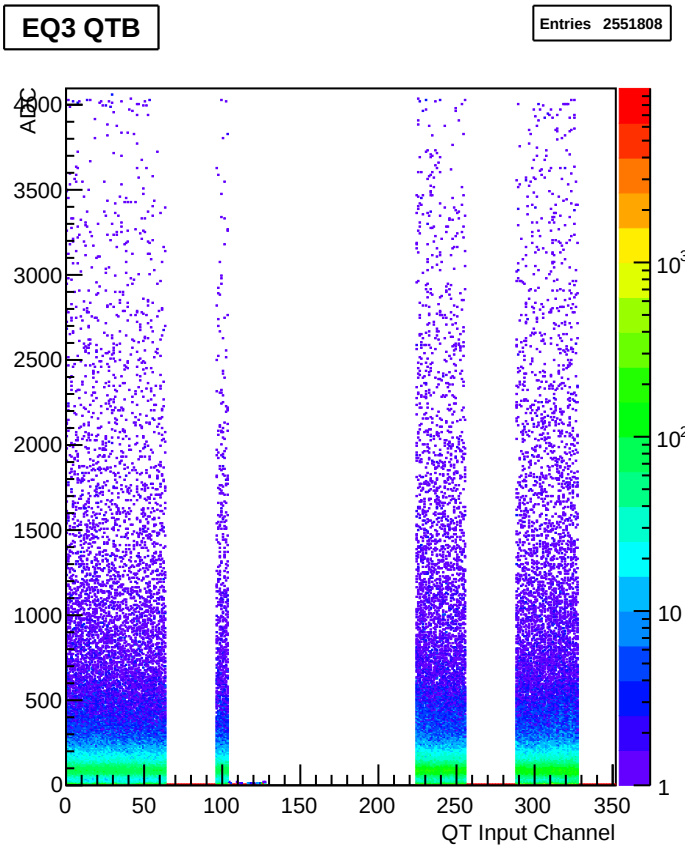

EQ1 QTC
Entries 956928
TADC
QT Input Channel

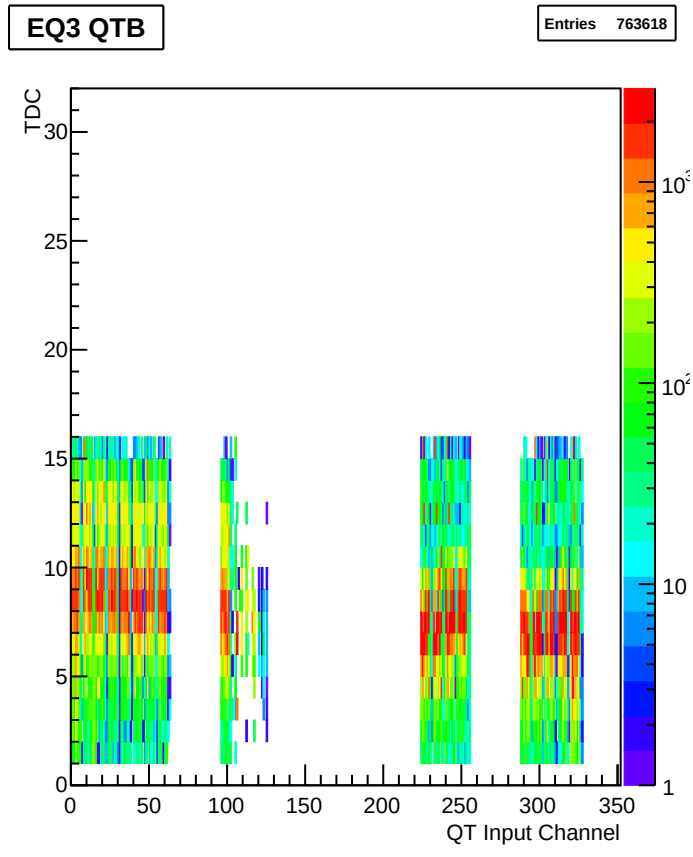

EQ2 QTB
Entries 2870784
ADC
QT Input Channel

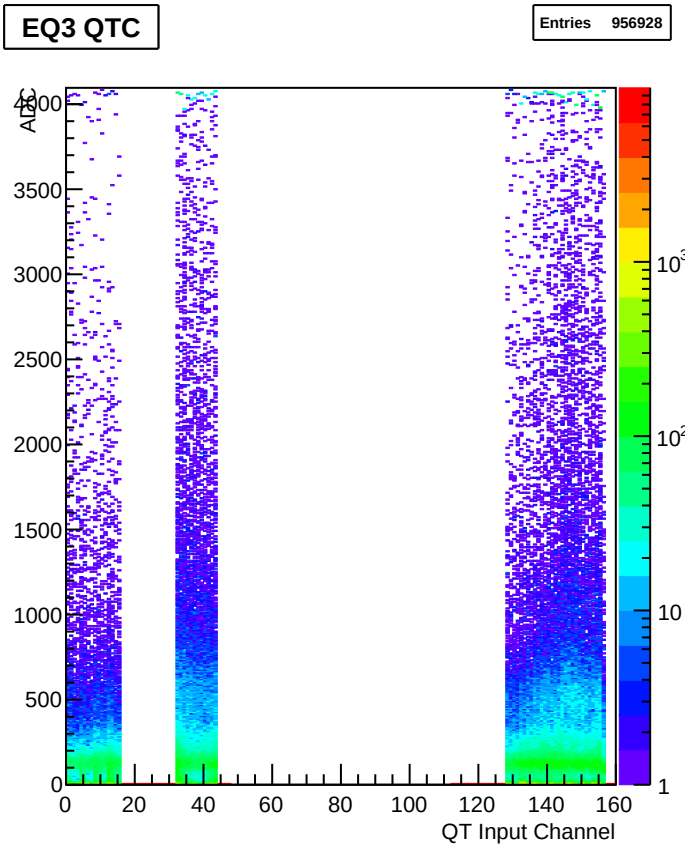

EQ2 QTB
Entries 913187
TDC
QT Input Channel

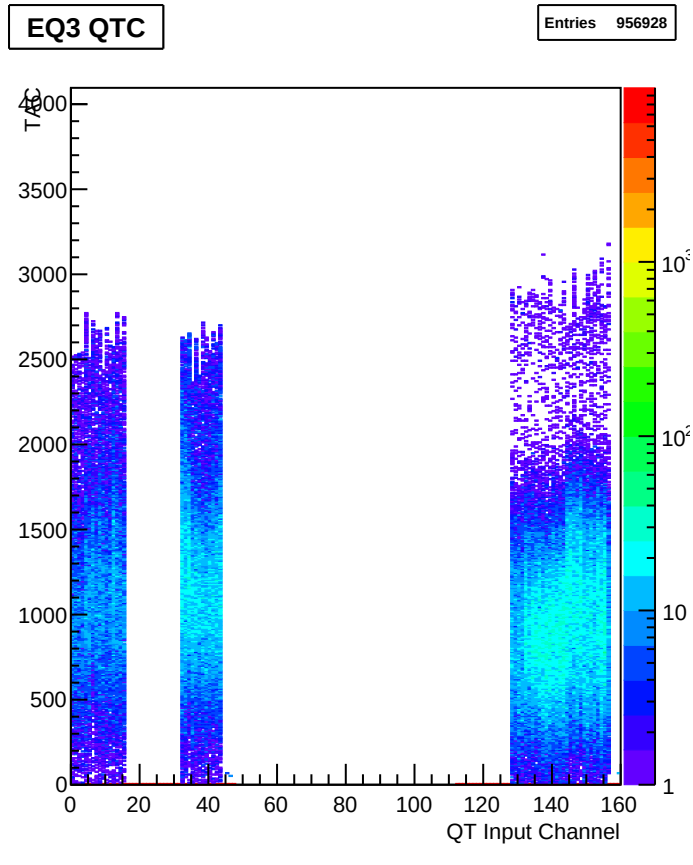

EQ2 QTC
Entries 956928
ADC
QT Input Channel

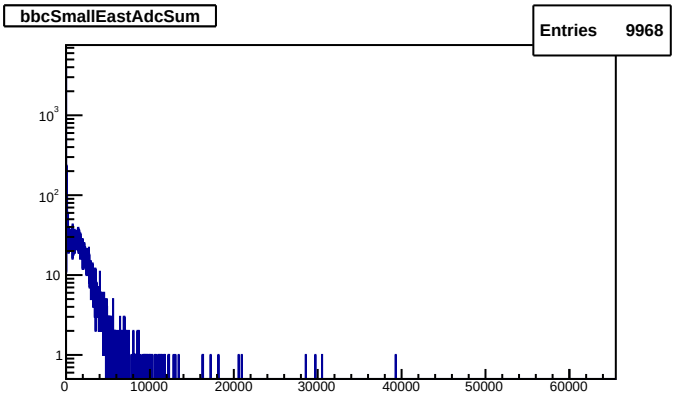

EQ2 QTC
Entries 956928
TADC
QT Input Channel

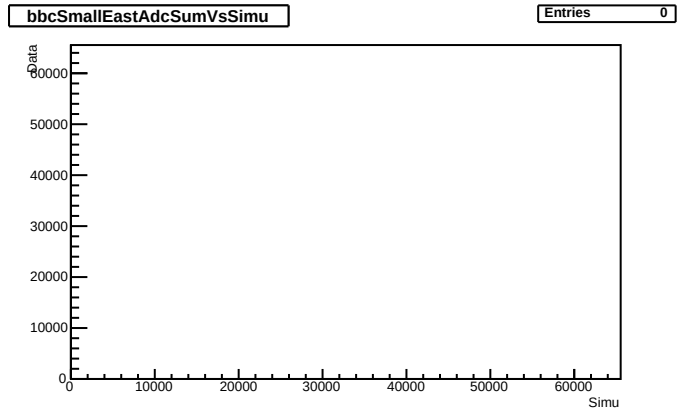

EQ3 QTB
Entries 2551808
ADC
QT Input Channel

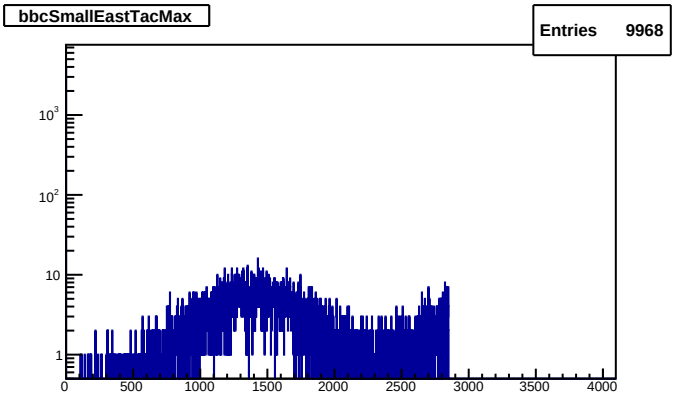

EQ3 QTB
Entries 763618
TDC
QT Input Channel

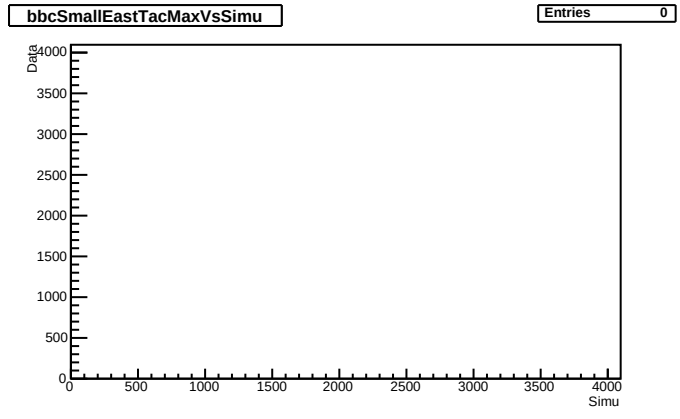

EQ3 QTC
Entries 956928
ADC
QT Input Channel

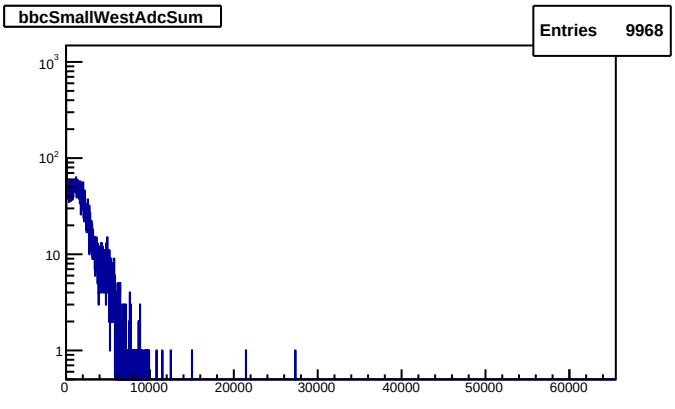

EQ3 QTC
Entries 956928
TADC
QT Input Channel

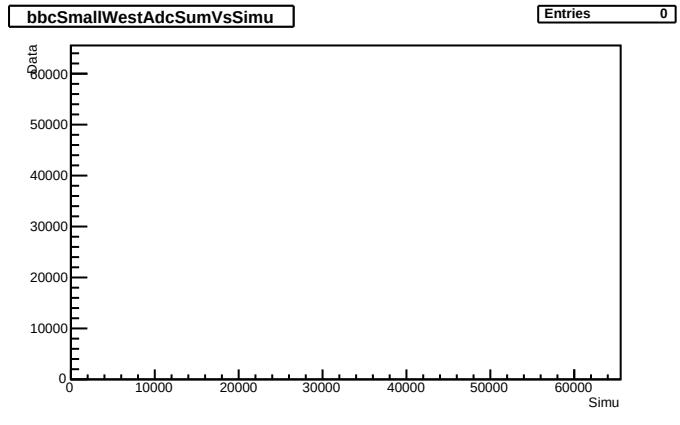

bbcSmallEastAdcSum
Entries 9968

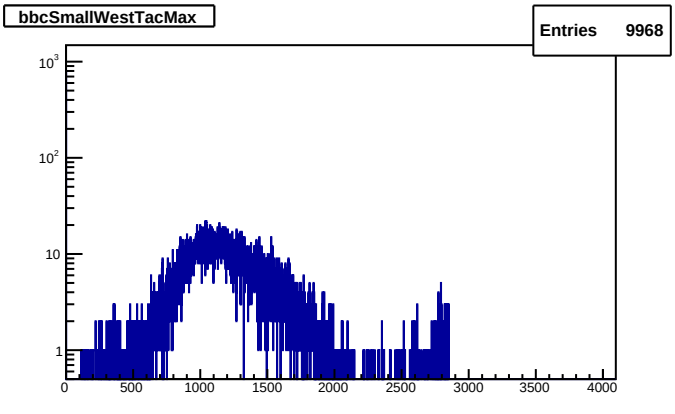

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu

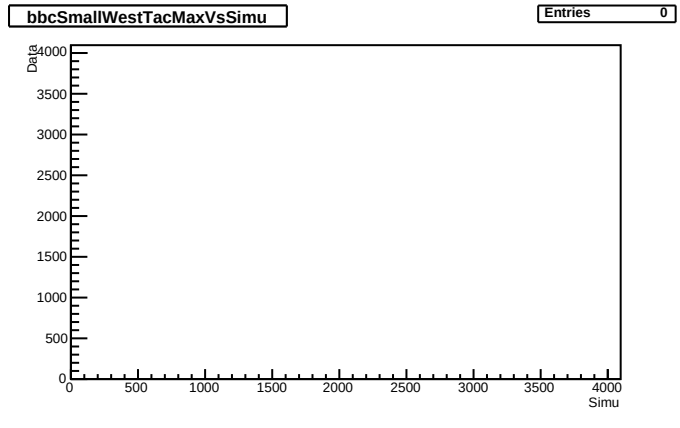

bbcSmallEastTacMax
Entries 9968

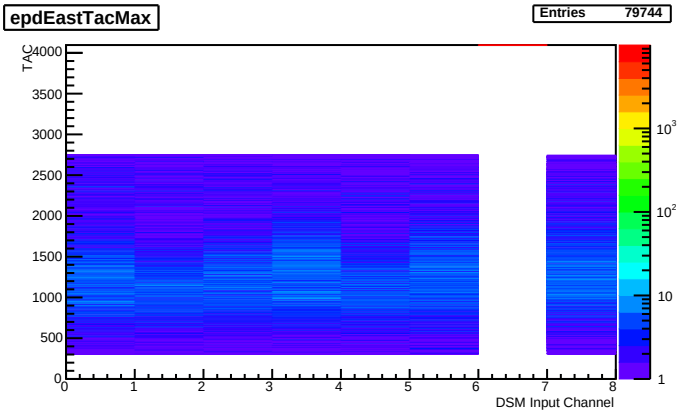

bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu

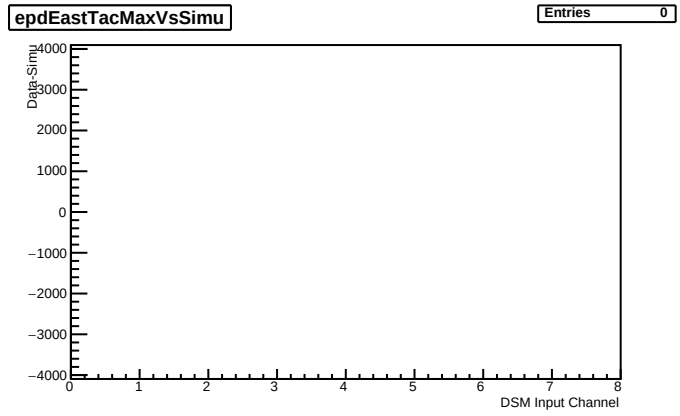

bbcSmallWestAdcSum
Entries 9968

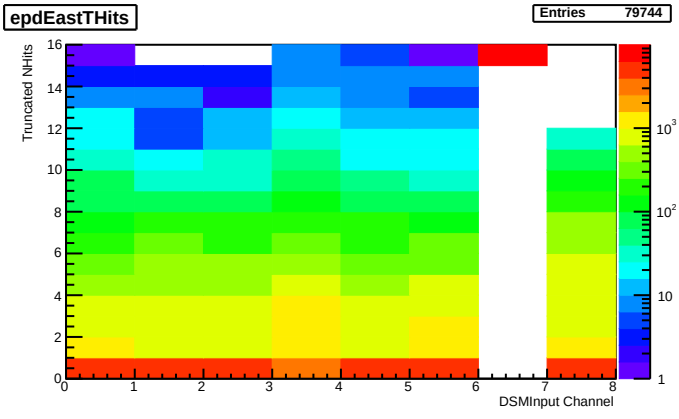

bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu

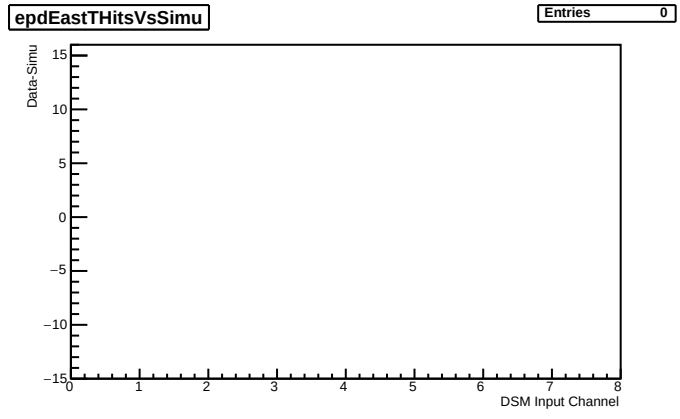

bbcSmallWestTacMax
Entries 9968

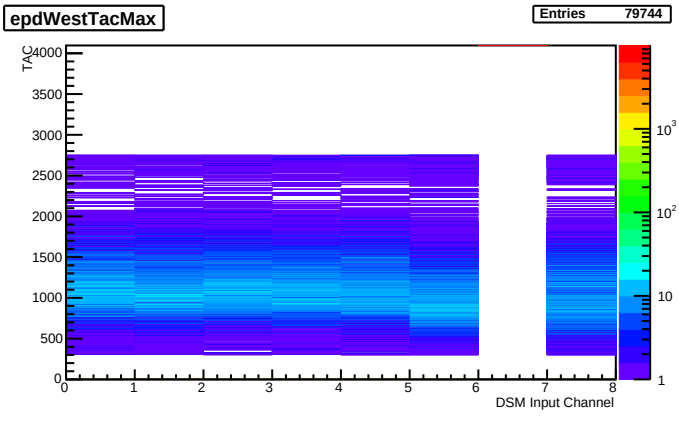

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

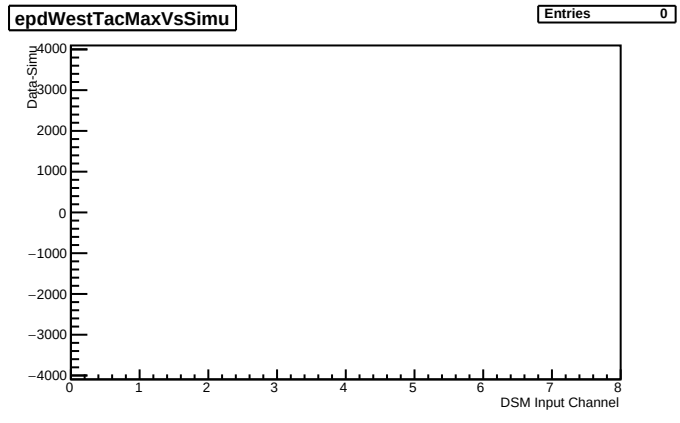

epdEastTacMax
Entries 79744
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 79744
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 79744
TAC
DSM Input Channel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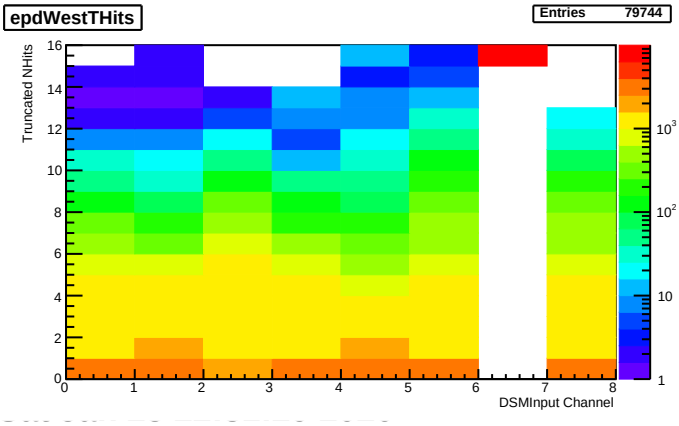
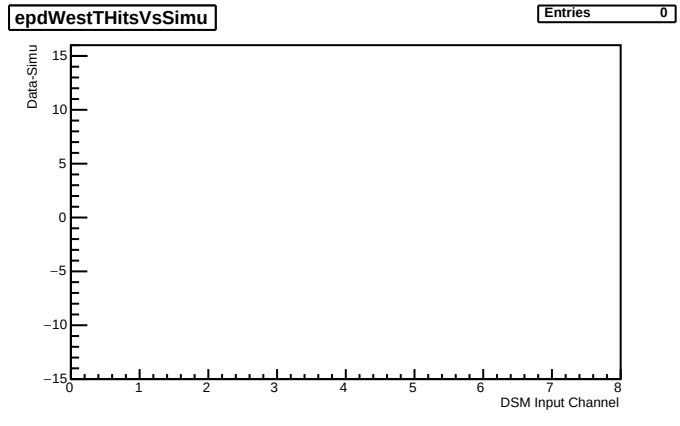
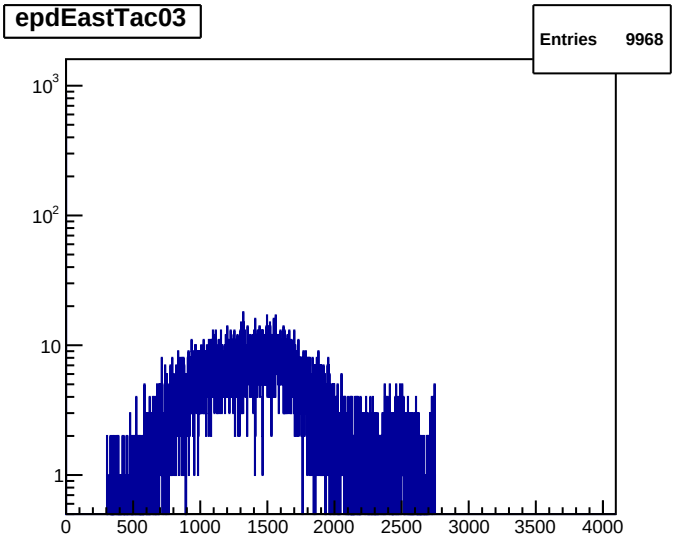
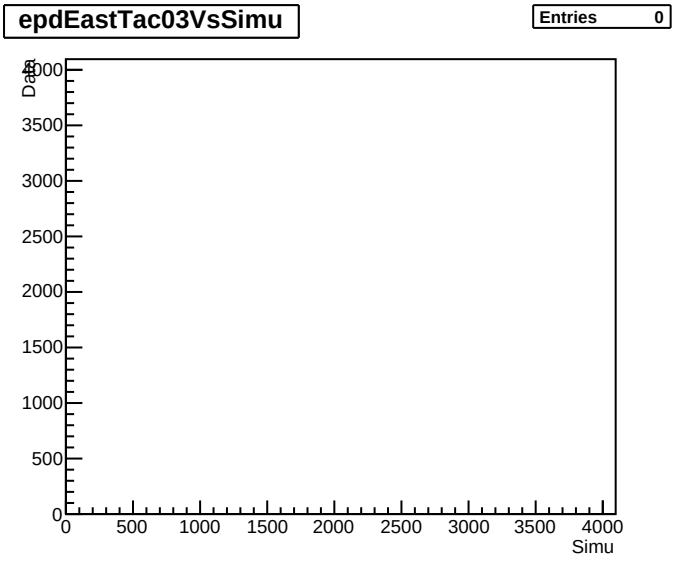
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 79744
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 9968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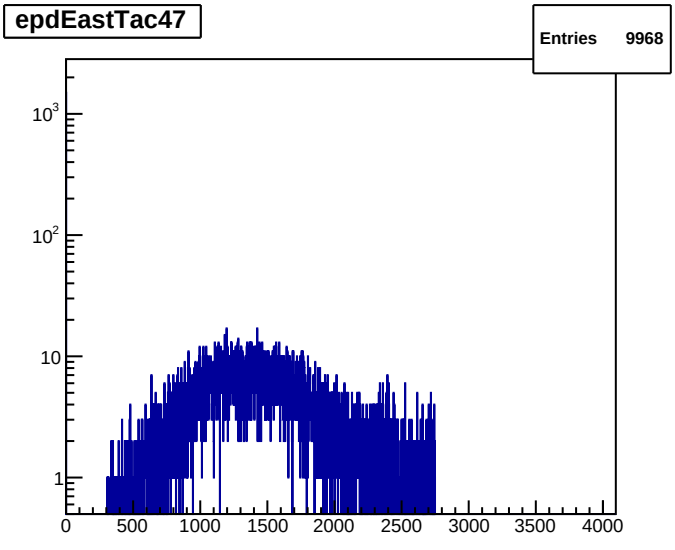
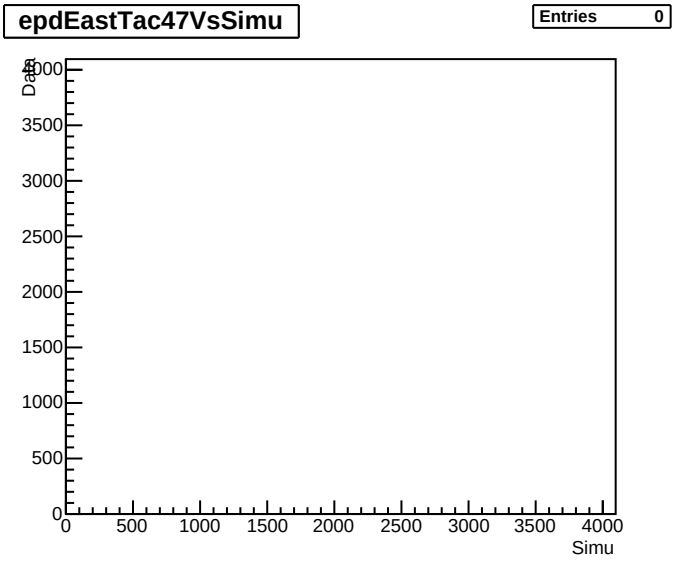
Entries 0
Data
Simu


epdEastTac47
Entries 9968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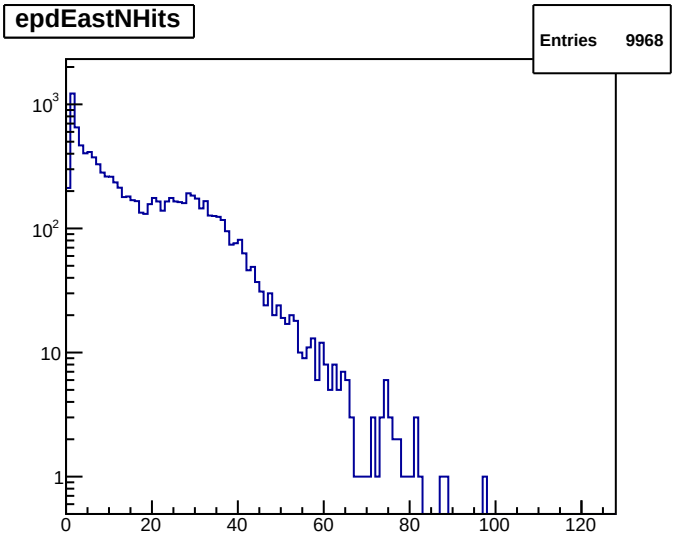
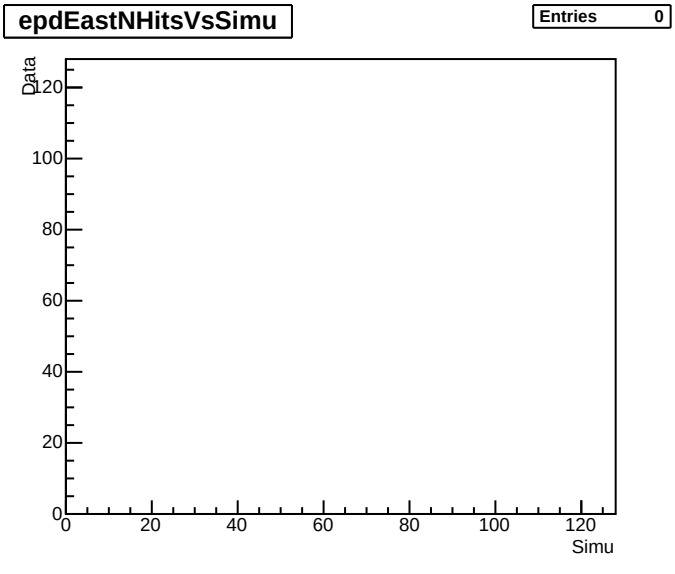
Entries 0
Data
Simu


epdEastNHits
Entries 9968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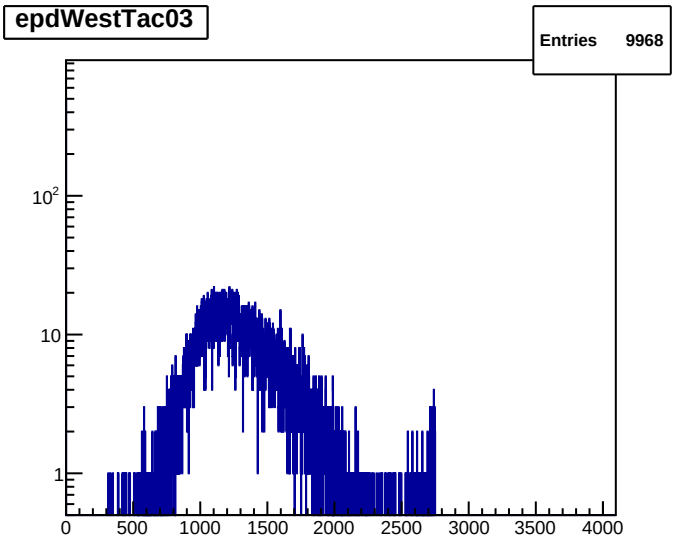
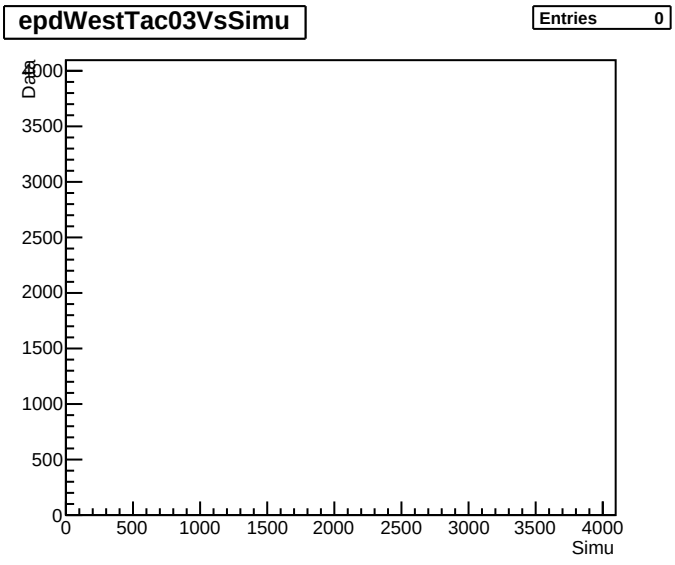
Entries 0
Data
Simu


epdWestTac03
Entries 9968
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000


epdWestTac03VsSimu
Entries 0
Data
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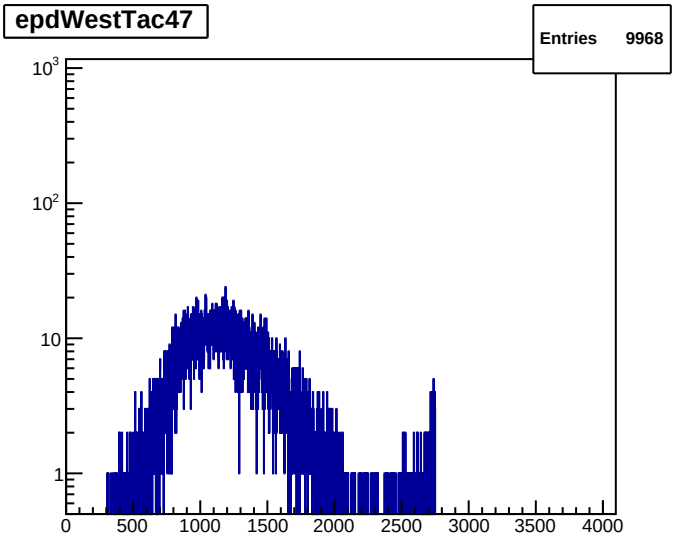
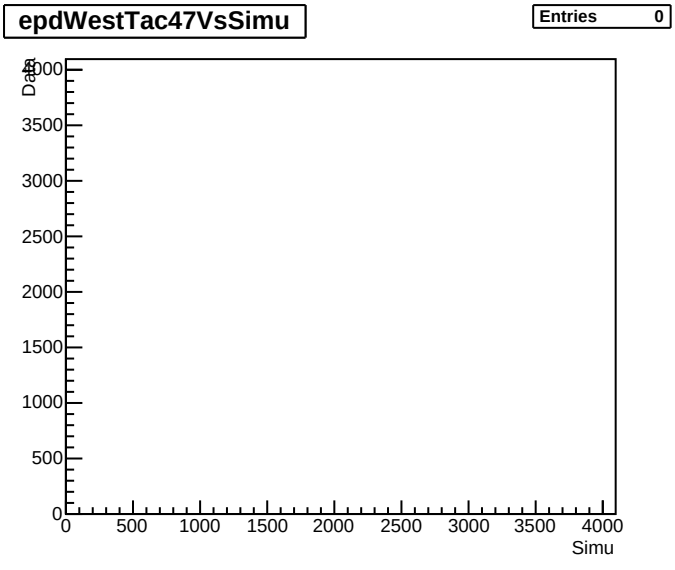
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestTac47
Entries 9968
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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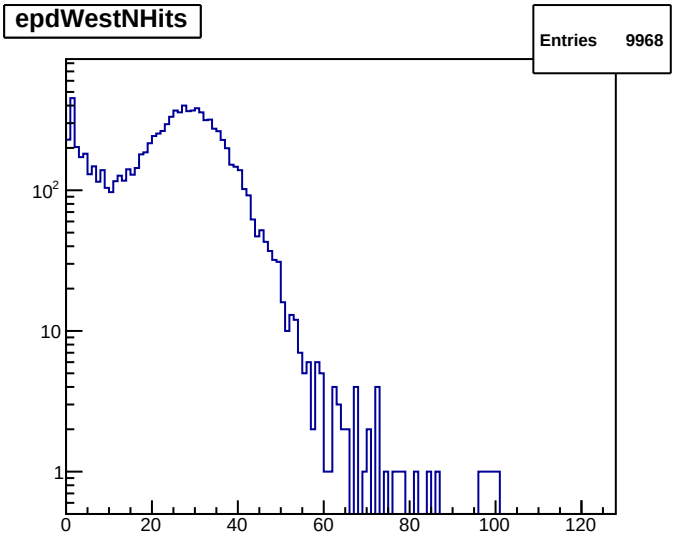
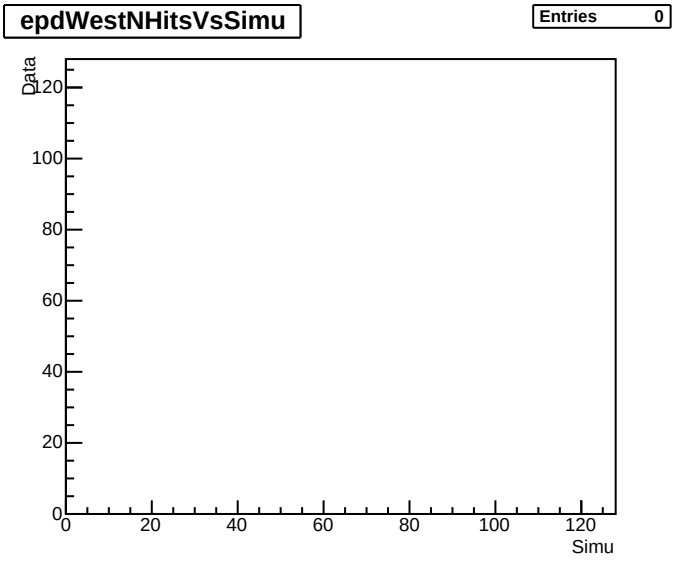
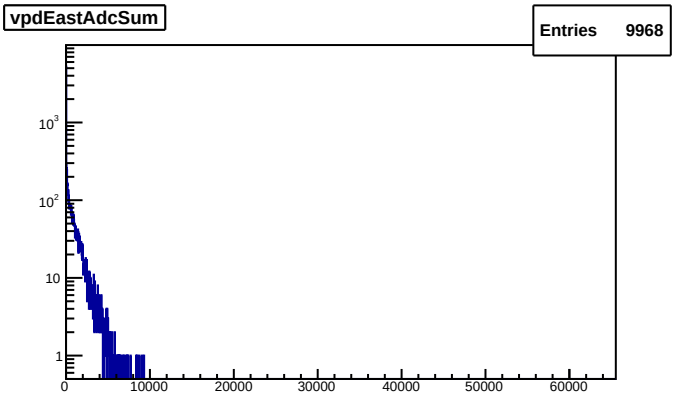
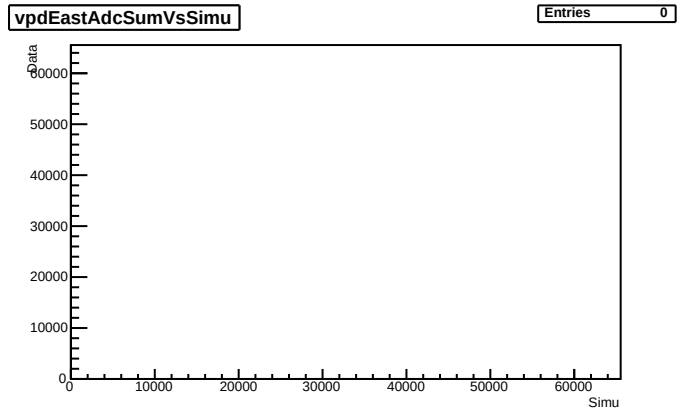
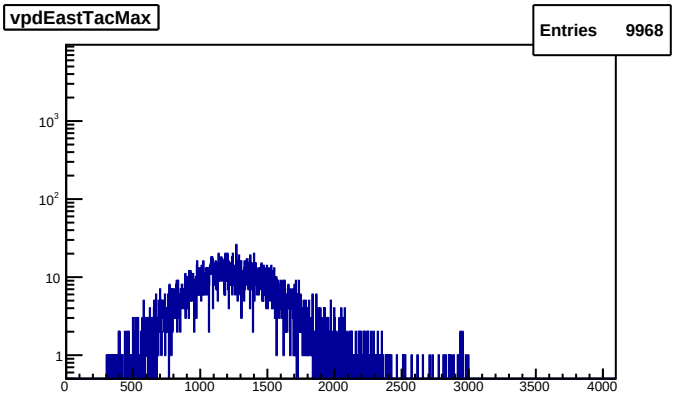
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

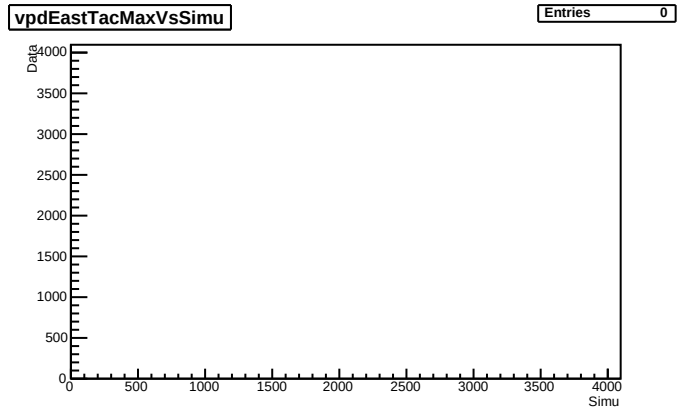

epdWestNHits
Entries 9968
10^2
10
1
0 20 40 60 80 100 120

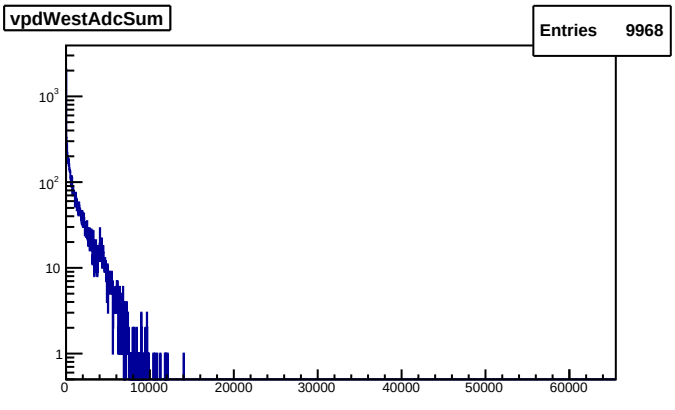

epdWestNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

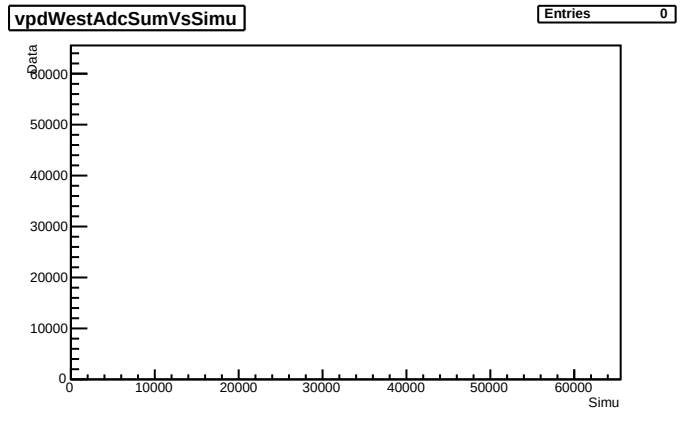

vpdEastAdcSum
Entries 9968

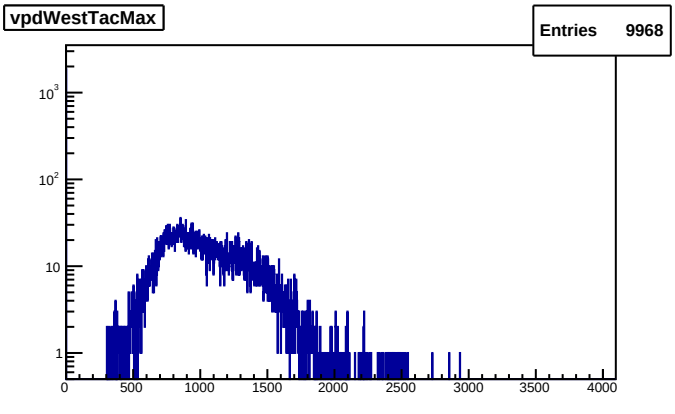

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

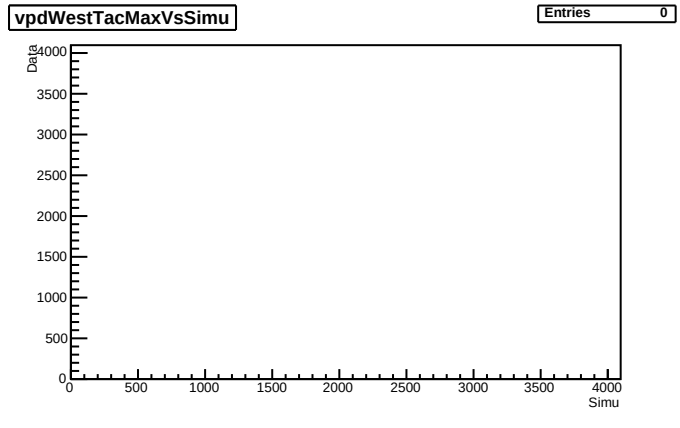

vpdEastTacMax
Entries 9968

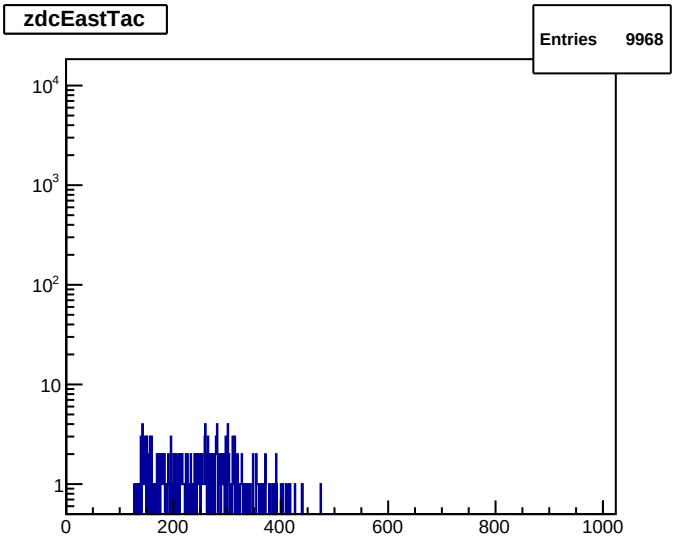

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

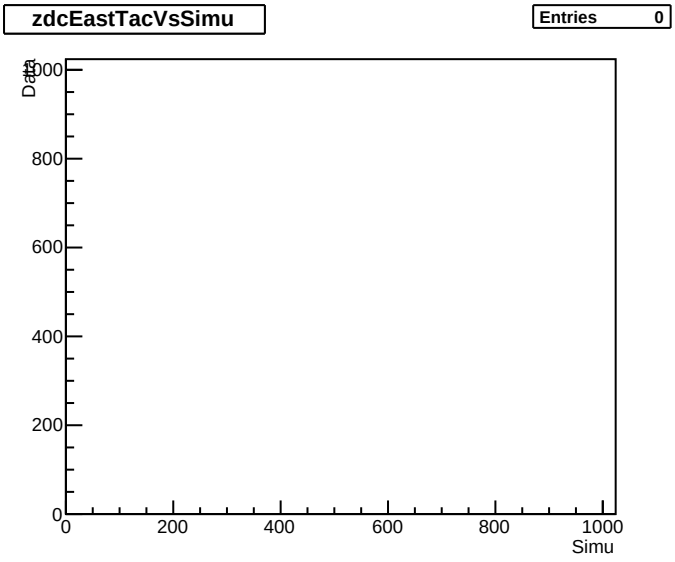

vpdWestAdcSum
Entries 9968

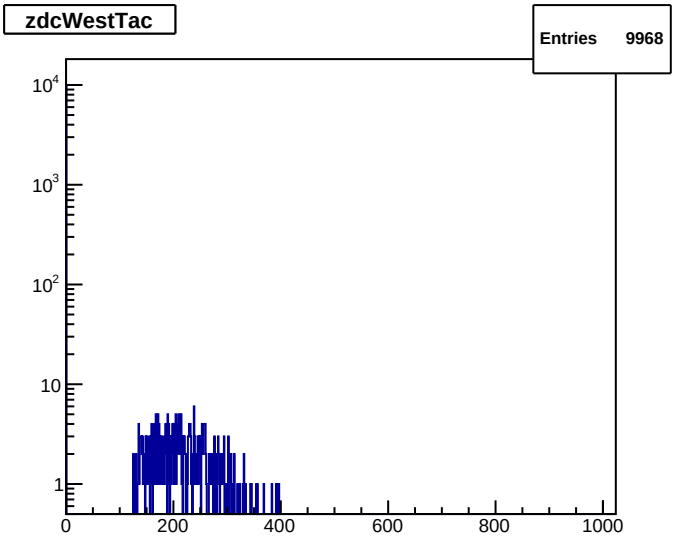

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

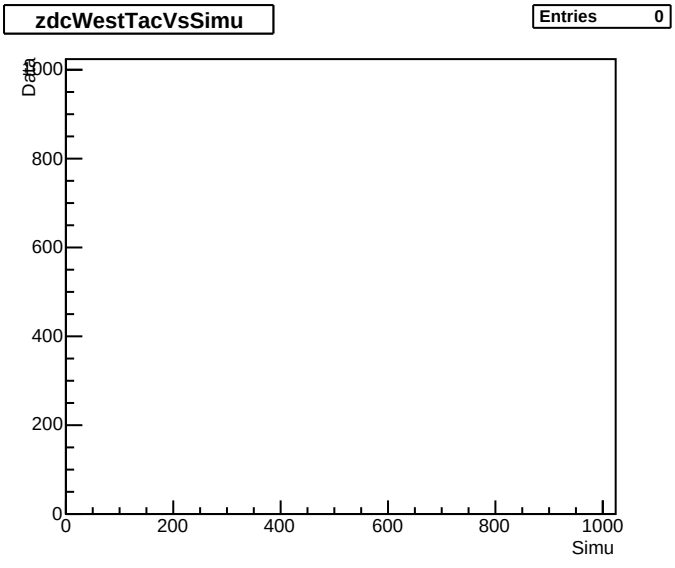

vpdWestTacMax
Entries 9968

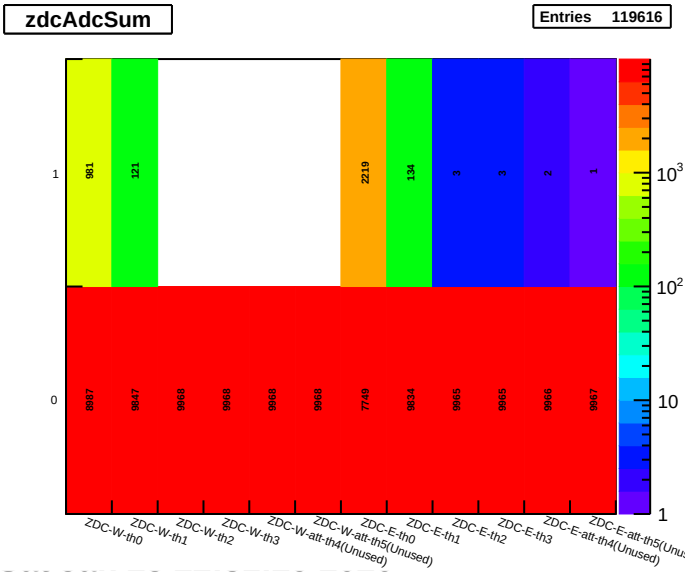

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

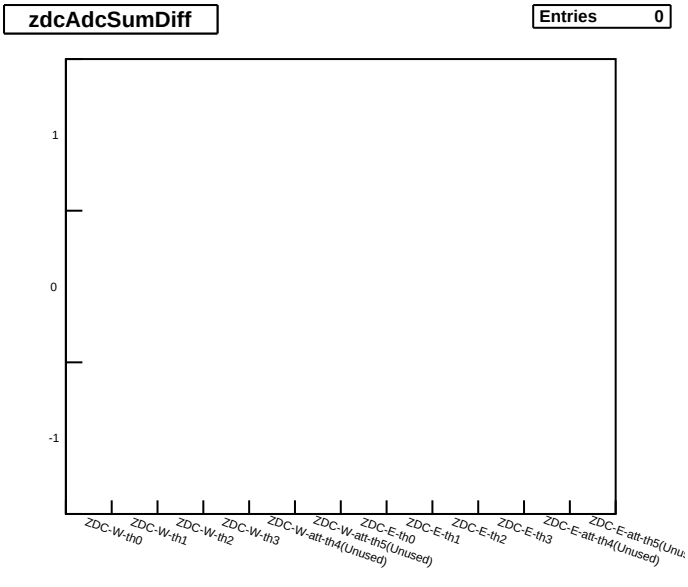

zdcEastTac
Entries 9968
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

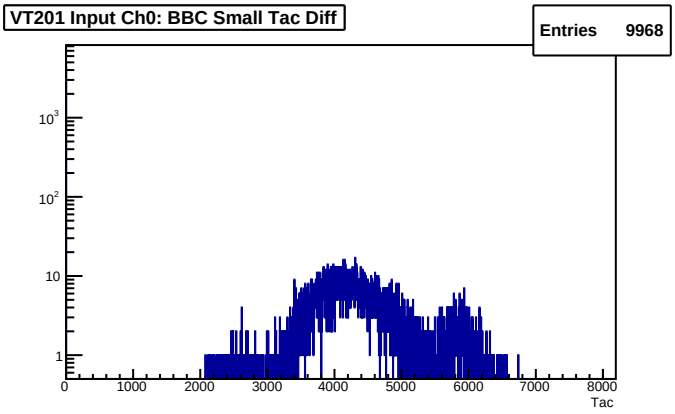

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

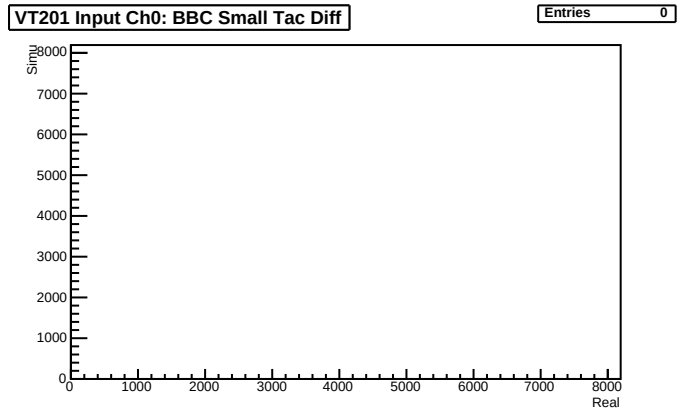

zdcWestTac
Entries 9968
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

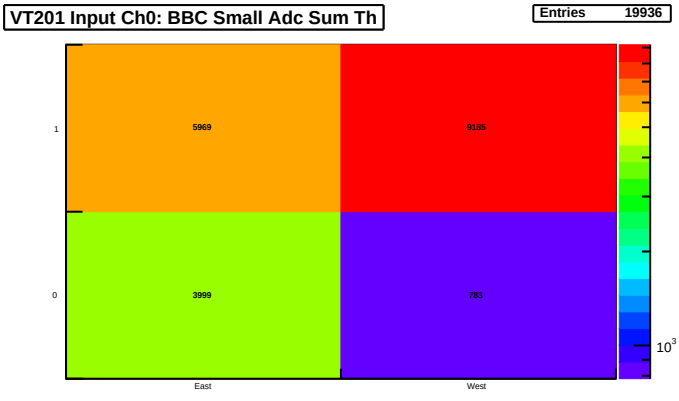

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

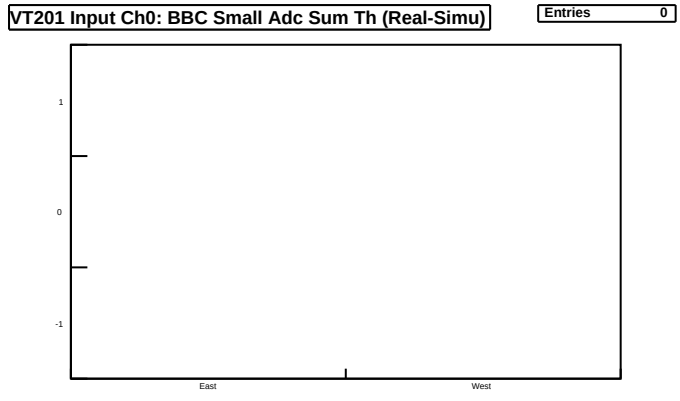

zdcAdcSum
Entries 119616
1
0
961
121
2219
134
3
3
2
1
8897
9847
9958
9958
9958
9958
7749
9834
9965
9965
9966
9967
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

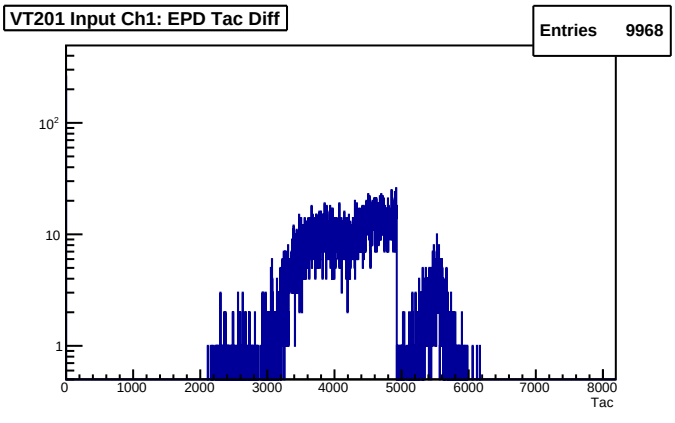

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

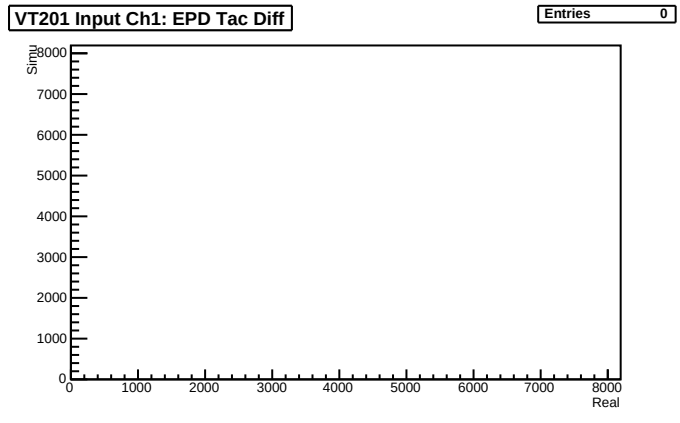

VT201 Input Ch0: BBC Small Tac Diff
Entries 9968
Tac

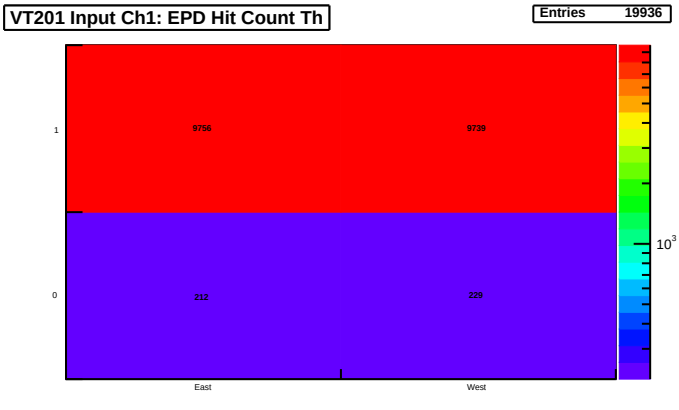

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

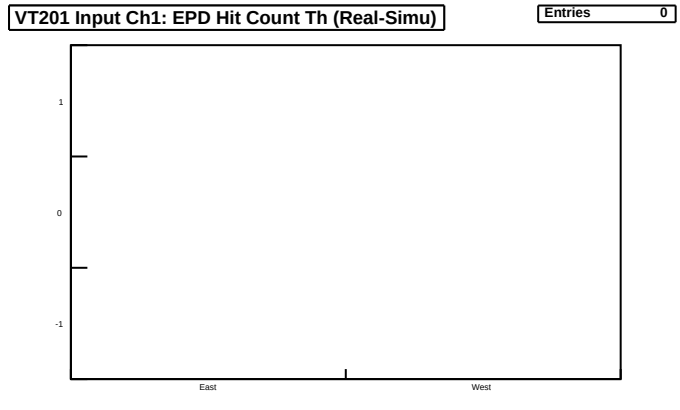

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 19936
5969
9185
3999
783
East
West

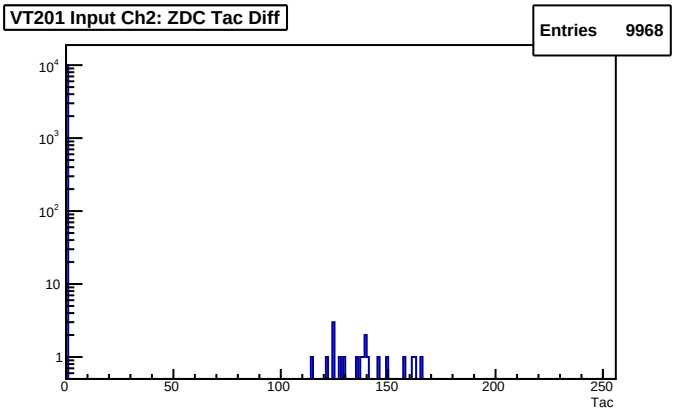

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

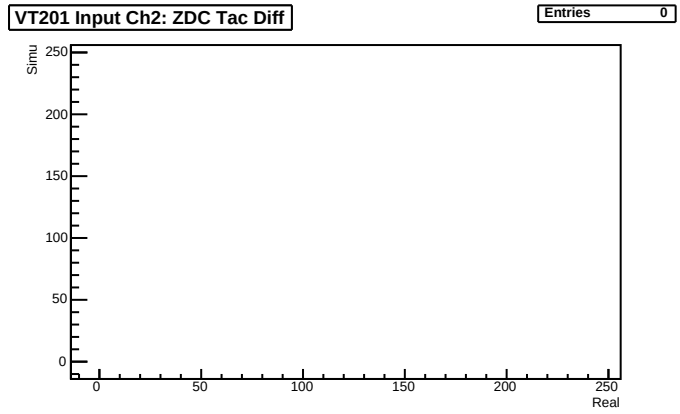

VT201 Input Ch1: EPD Tac Diff
Entries 9968
Tac

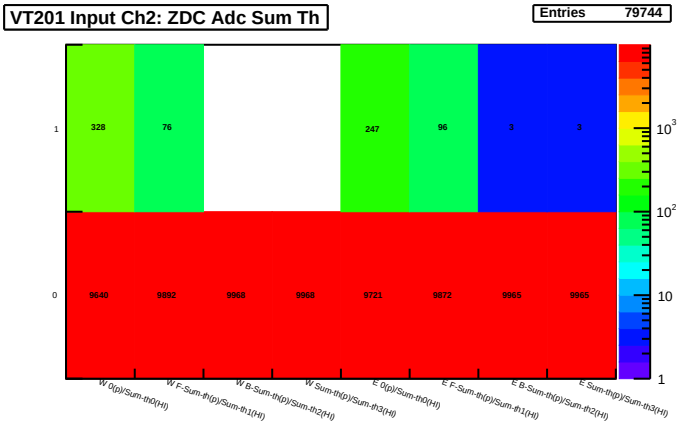

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

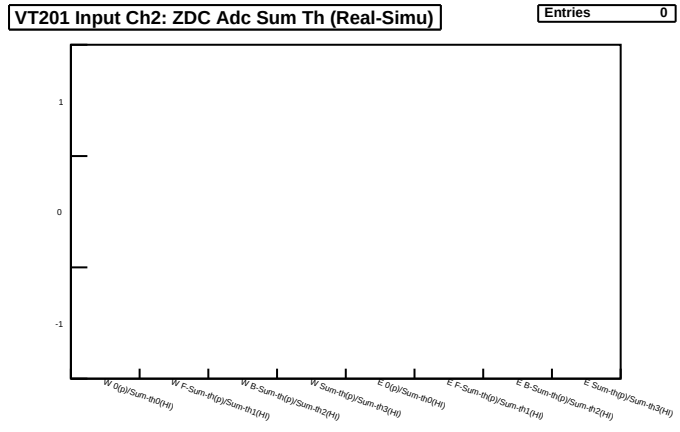

VT201 Input Ch1: EPD Hit Count Th
Entries 19936
9756
9739
212
229
East
West

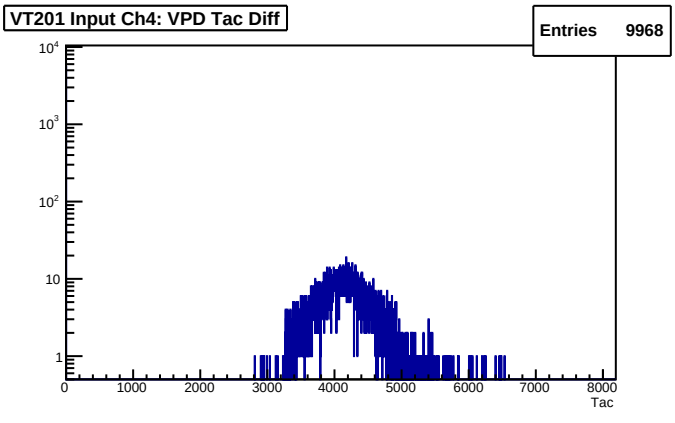

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

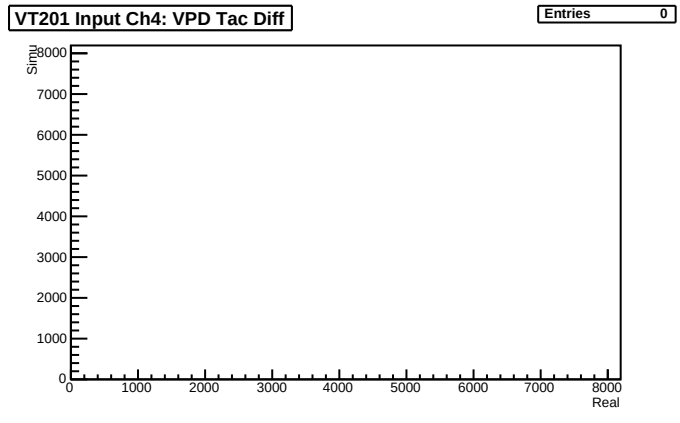

VT201 Input Ch2: ZDC Tac Diff
Entries 9968
Tac

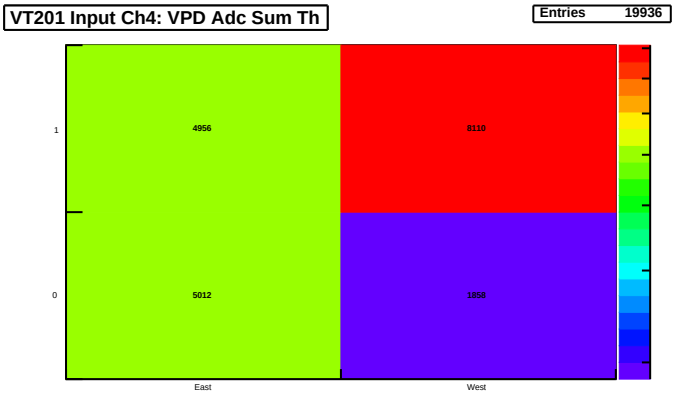

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

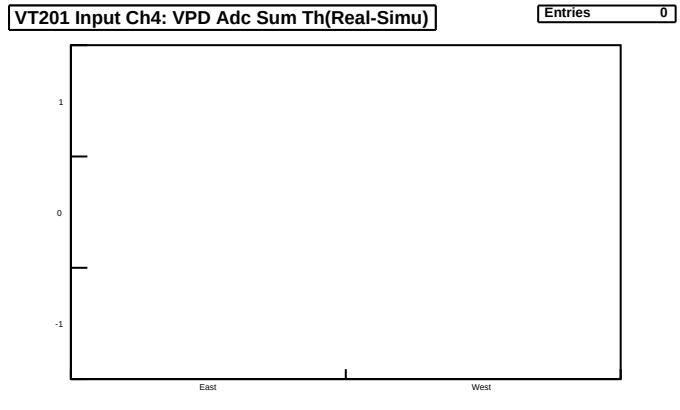

VT201 Input Ch2: ZDC Adc Sum Th
Entries 79744
328
76
247
96
3
3
9640
9892
9968
9968
9721
9872
9965
9965
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

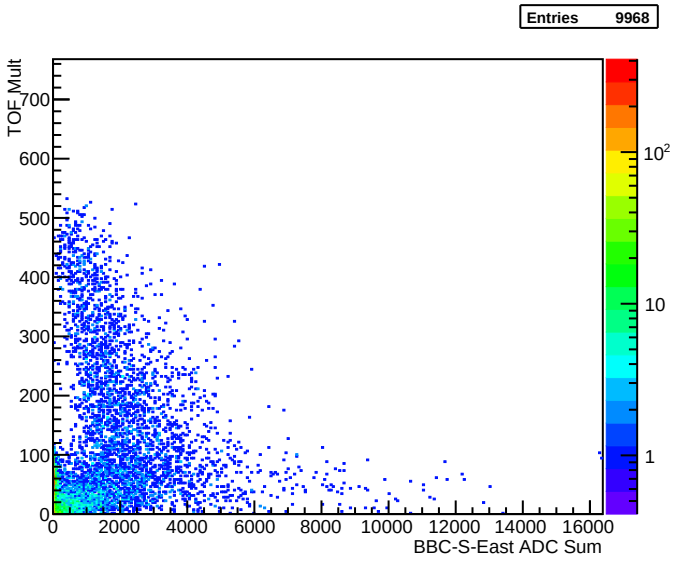

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

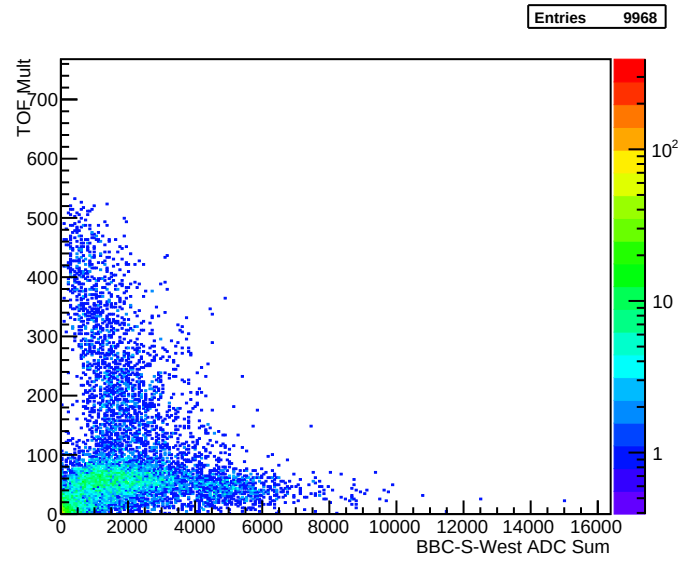

VT201 Input Ch4: VPD Tac Diff
Entries 9968
Tac

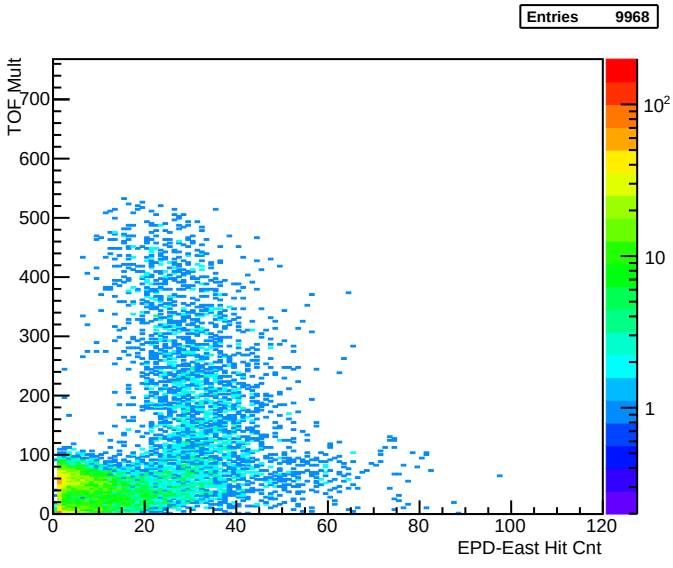

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

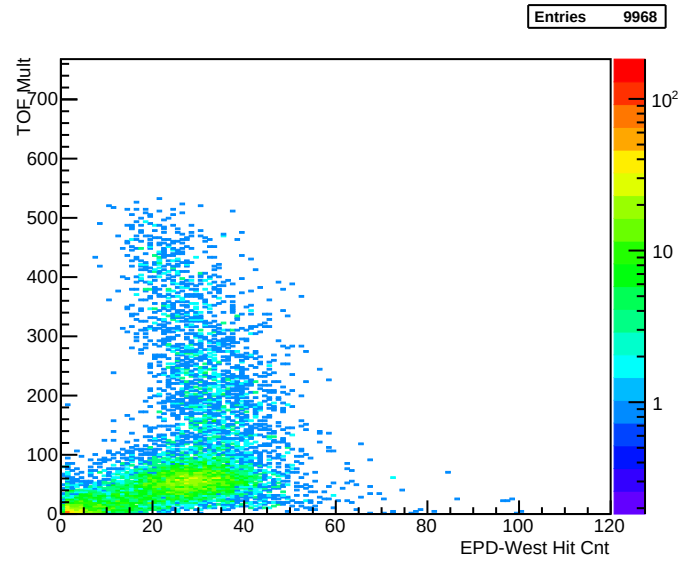

VT201 Input Ch4: VPD Adc Sum Th
Entries 19936
4956
8110
5012
1858
East
West

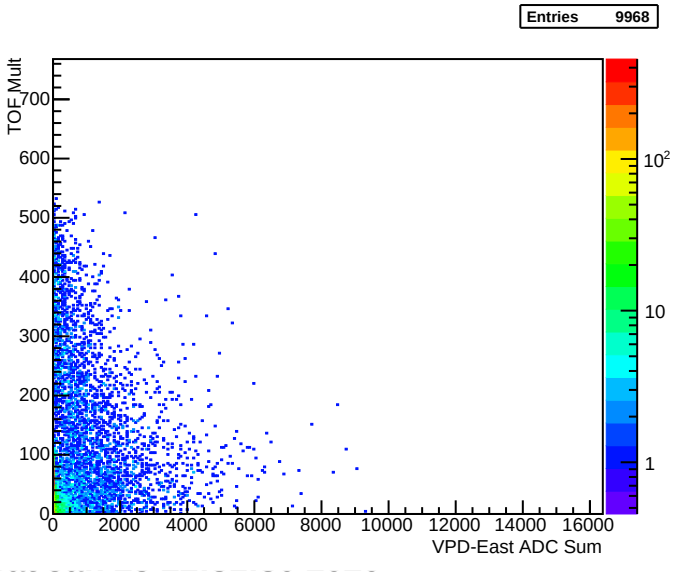

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

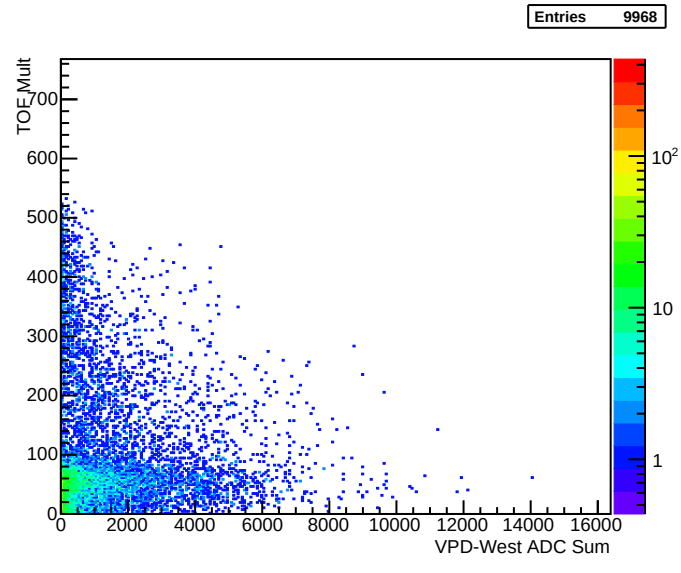

Entries 9968
TOF_Mult
BBC-S-East ADC Sum

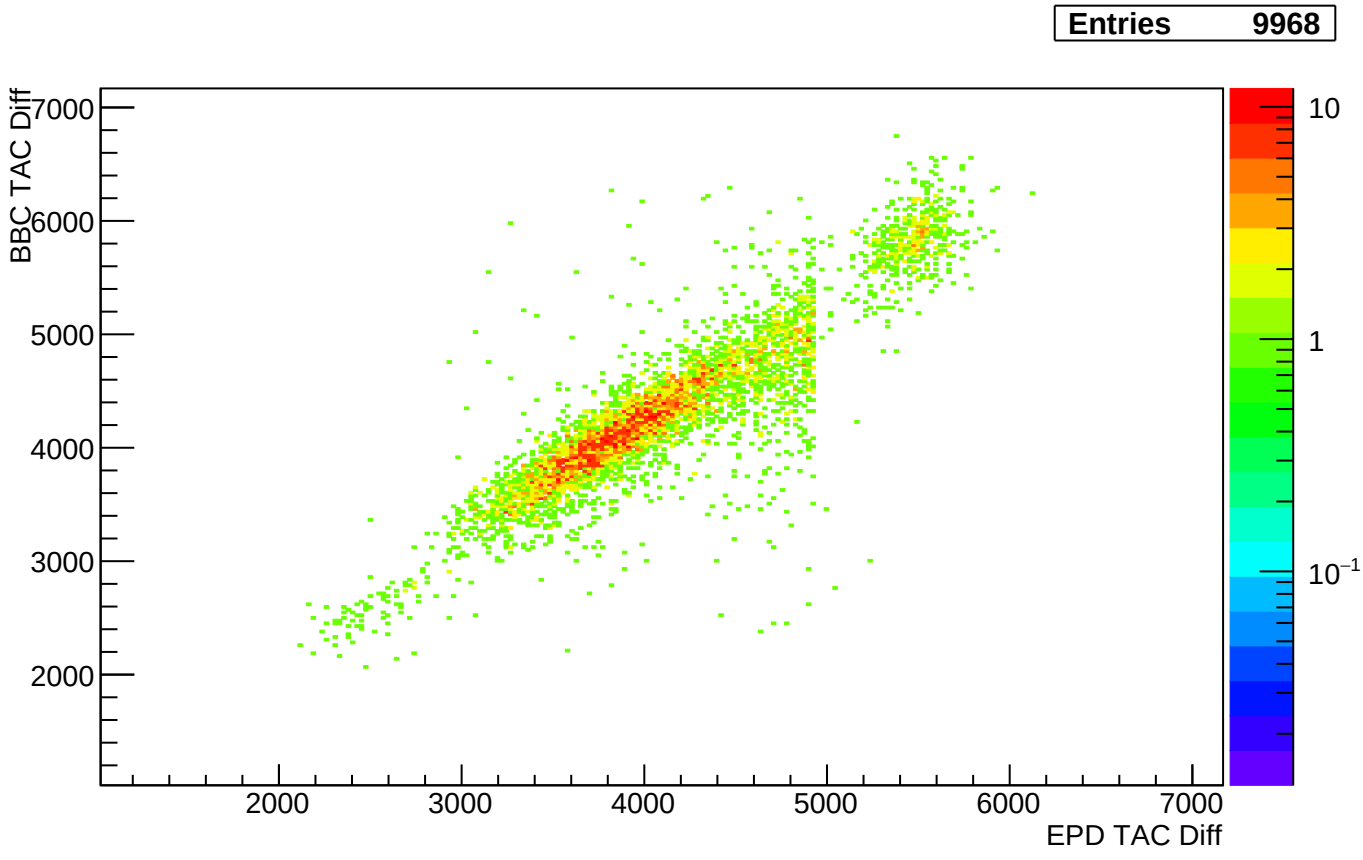

Entries 9968
TOF_Mult
BBC-S-West ADC Sum

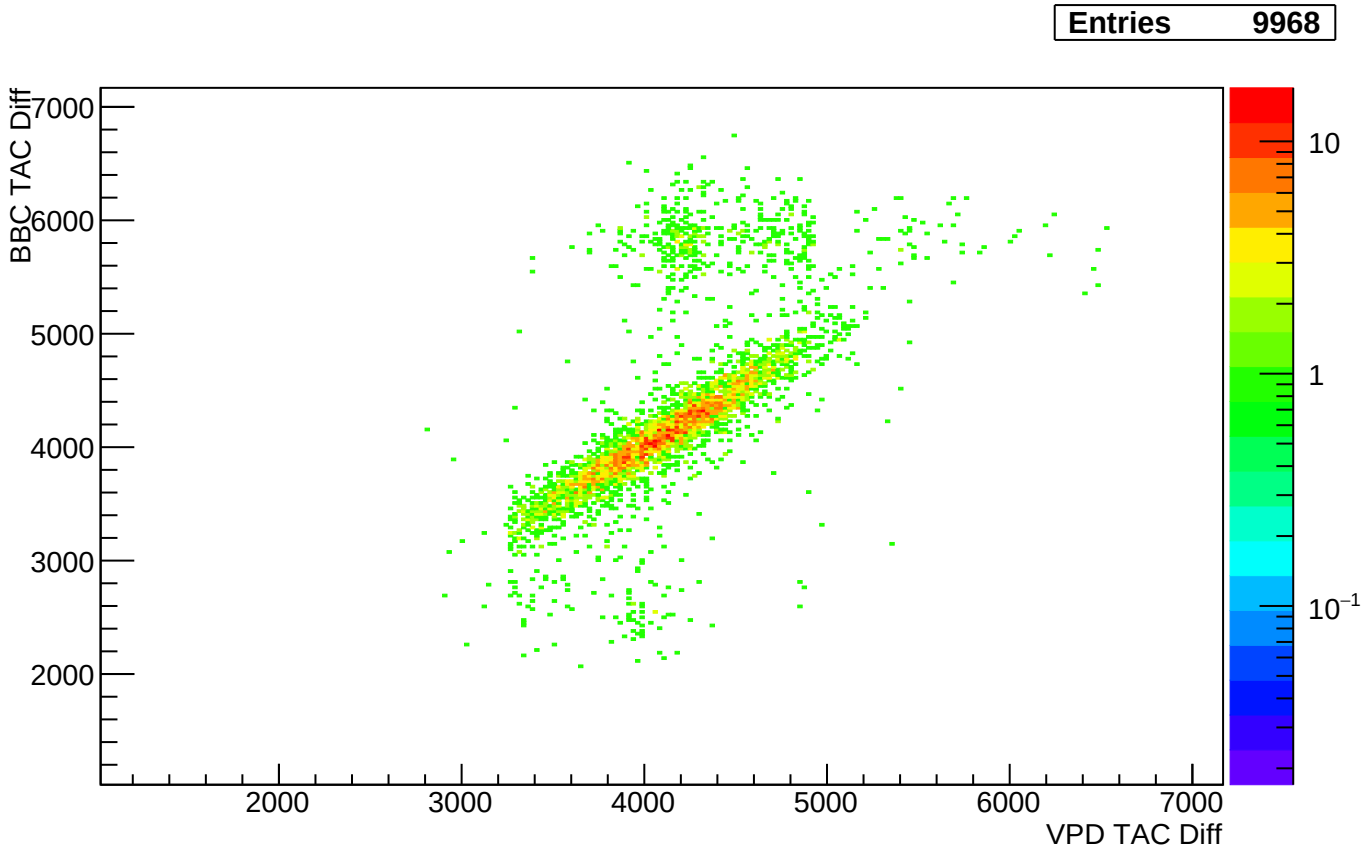

Entries 9968
TOF_Mult
EPD-East Hit Cnt

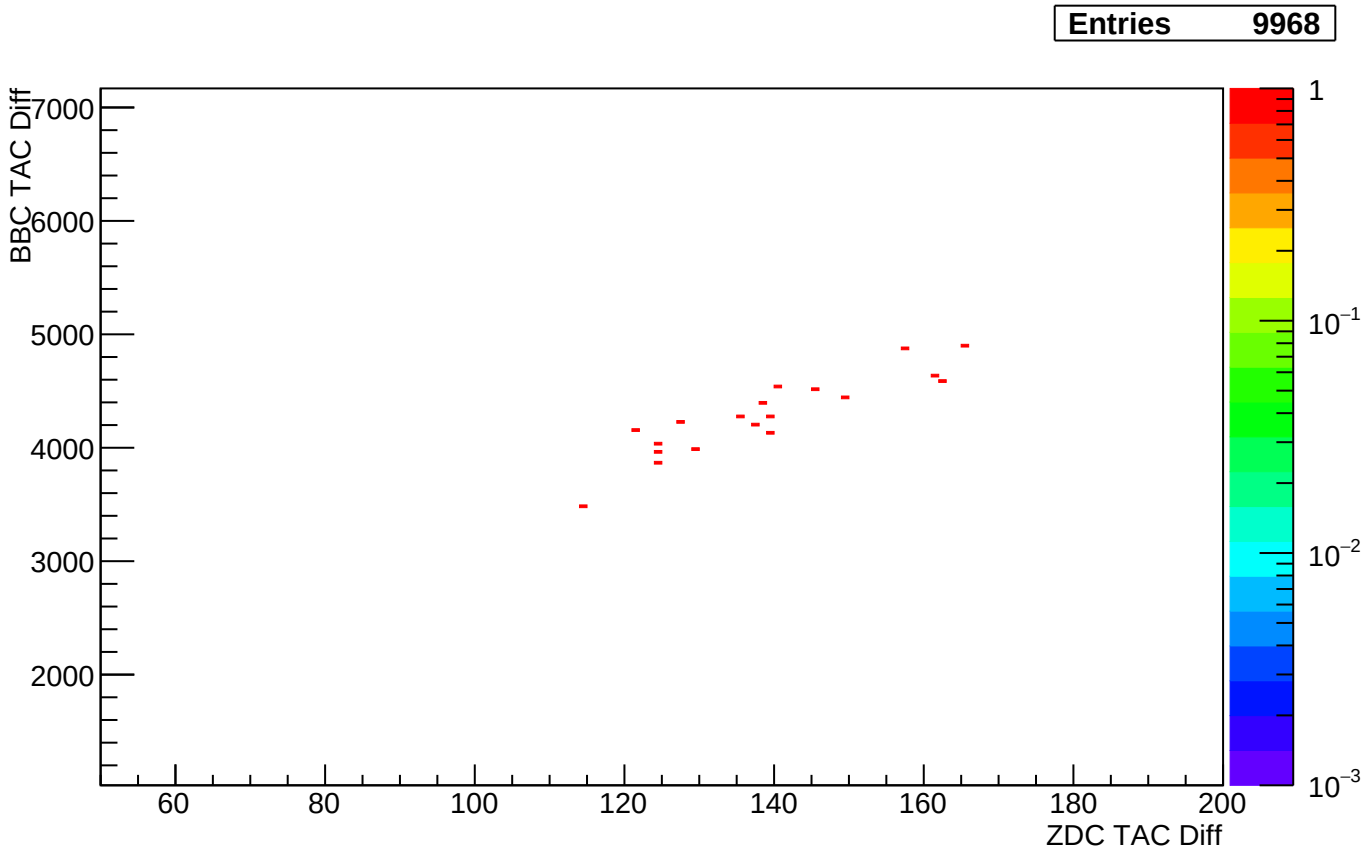

Entries 9968
TOF_Mult
EPD-West Hit Cnt

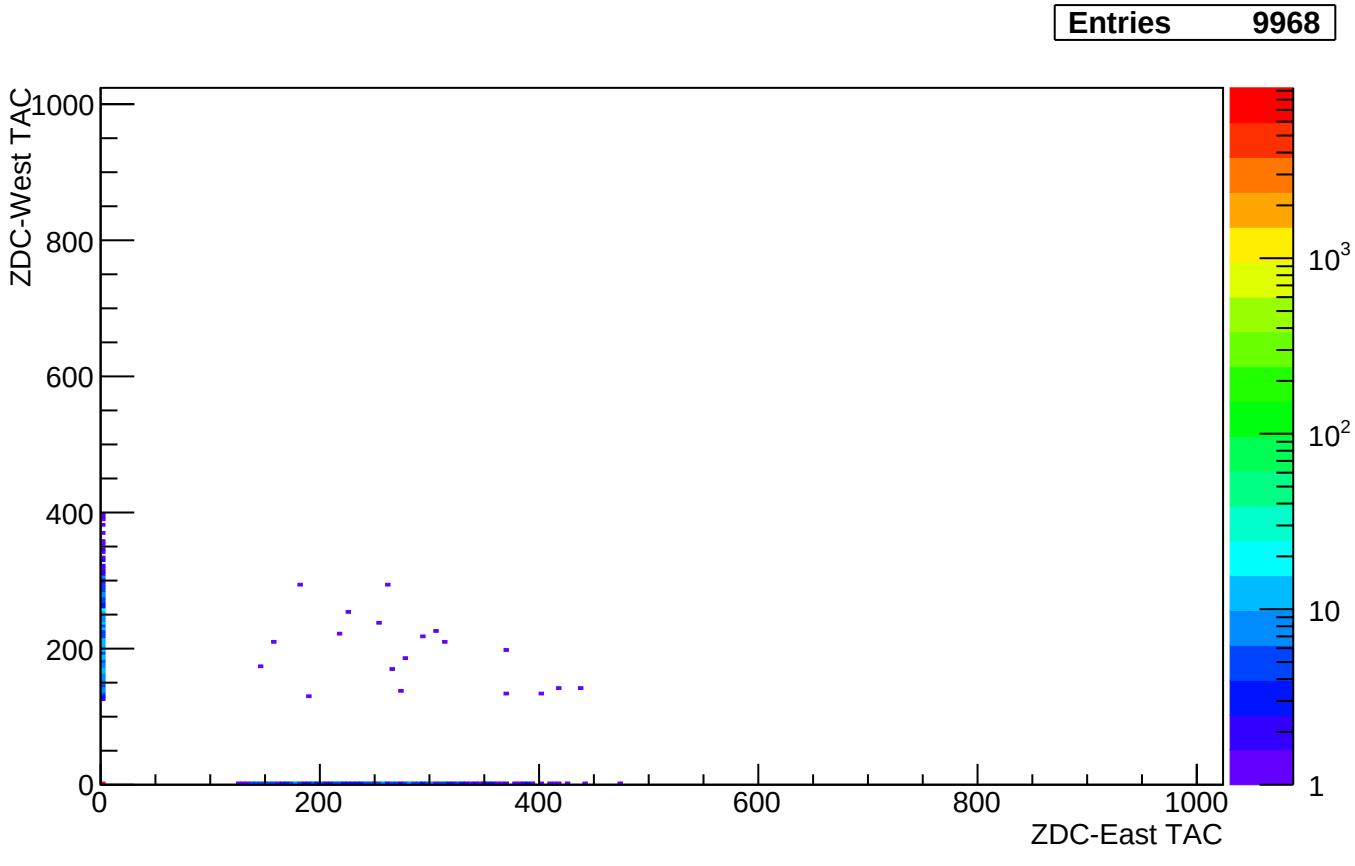

Entries 9968
TOF_Mult
VPD-East ADC Sum

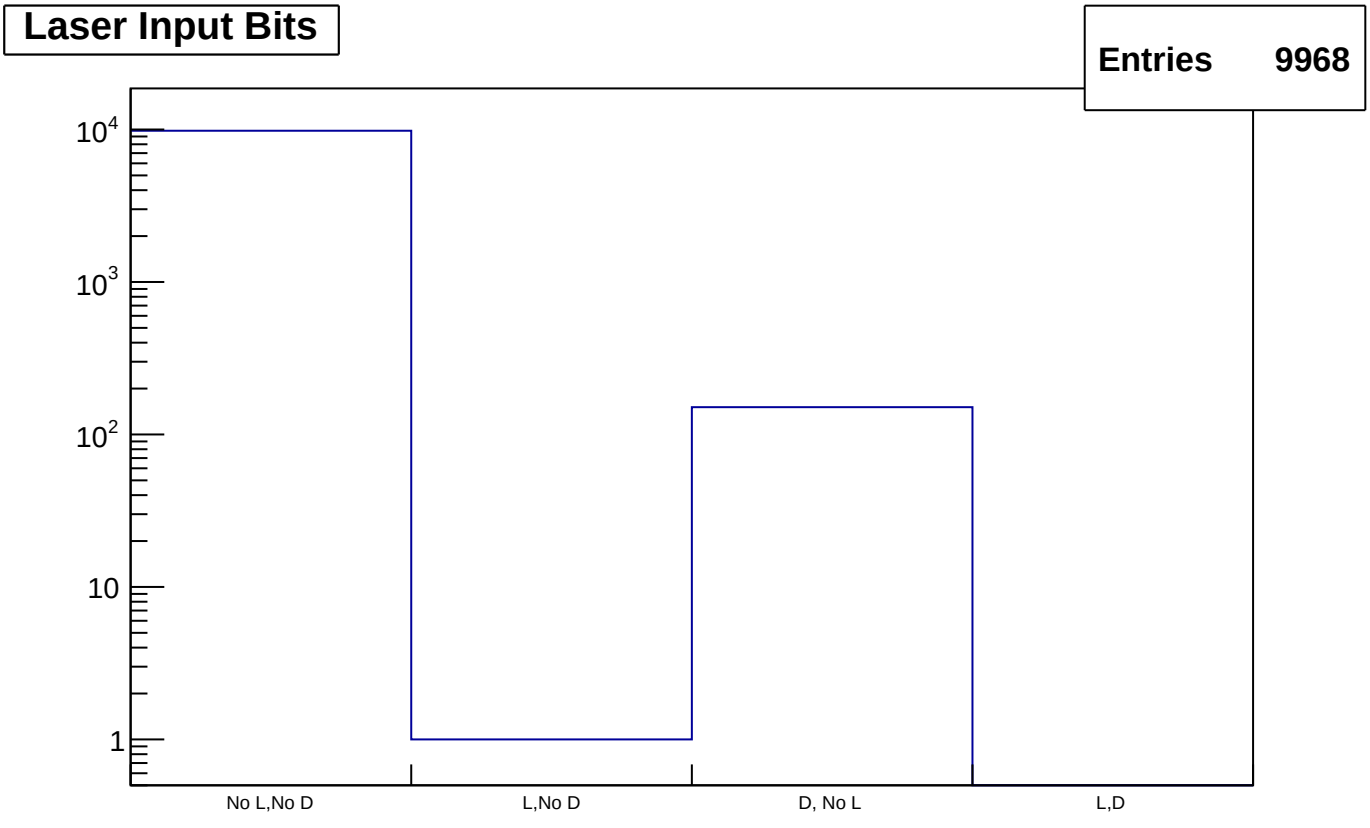

Entries 9968
TOF_Mult
VPD-West ADC Sum

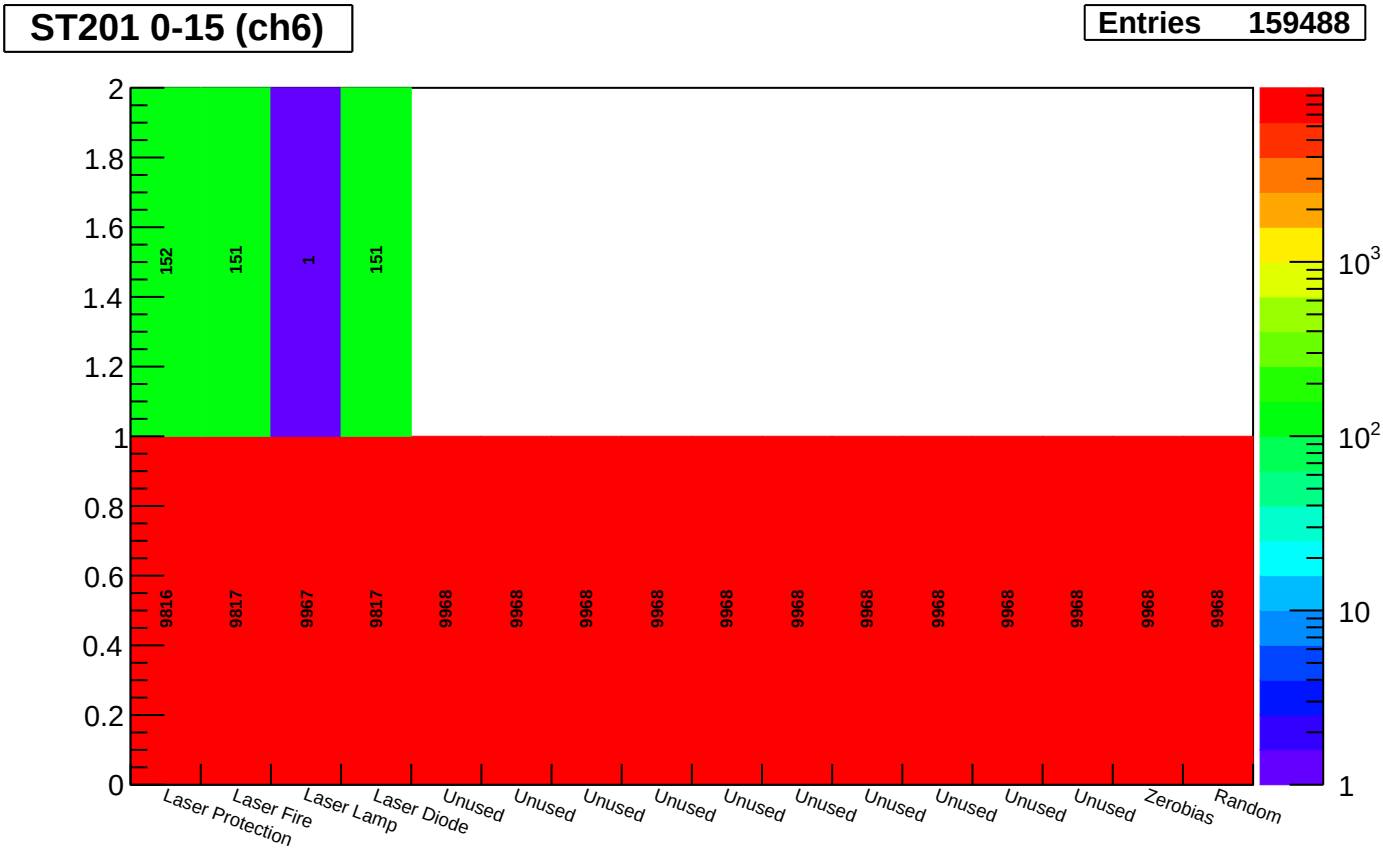

Entries 9968
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10
1
10^{-1}

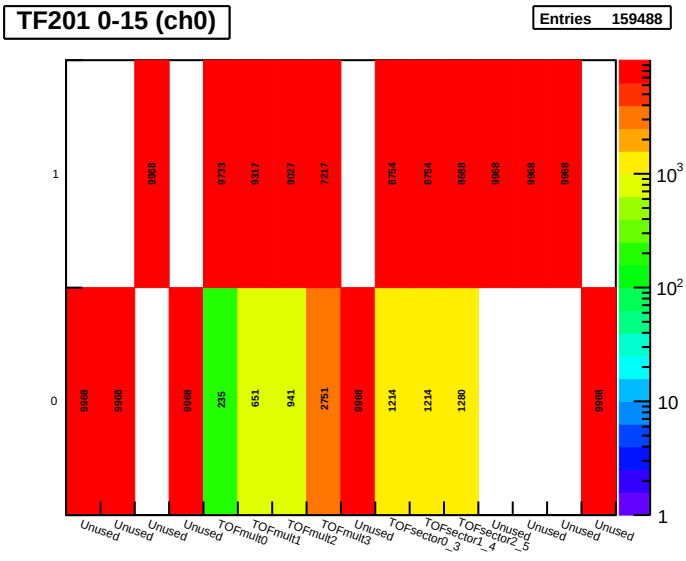

Entries 9968
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

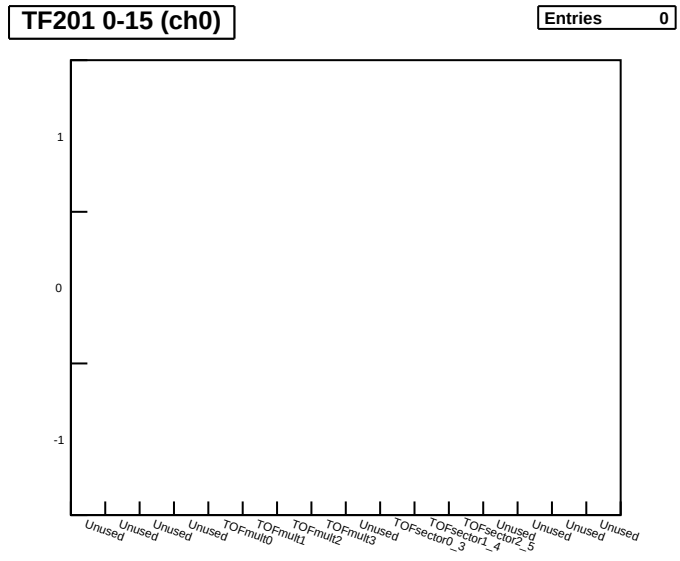

Entries 9968
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

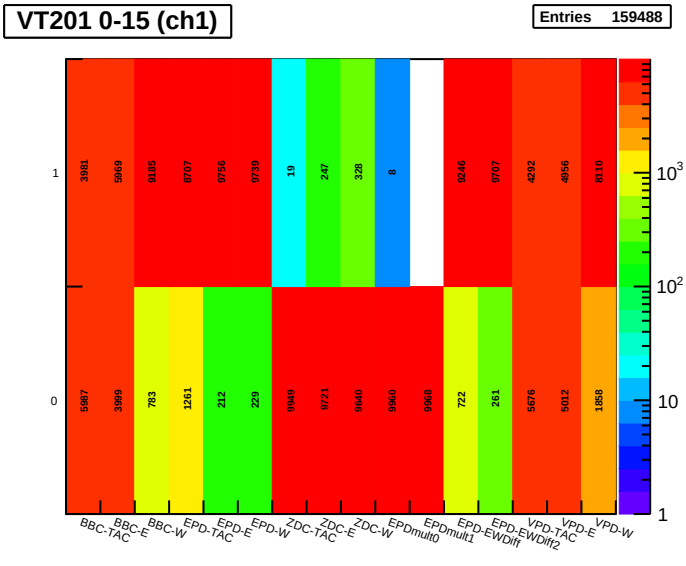

Entries 9968
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^3
10^2
10
1

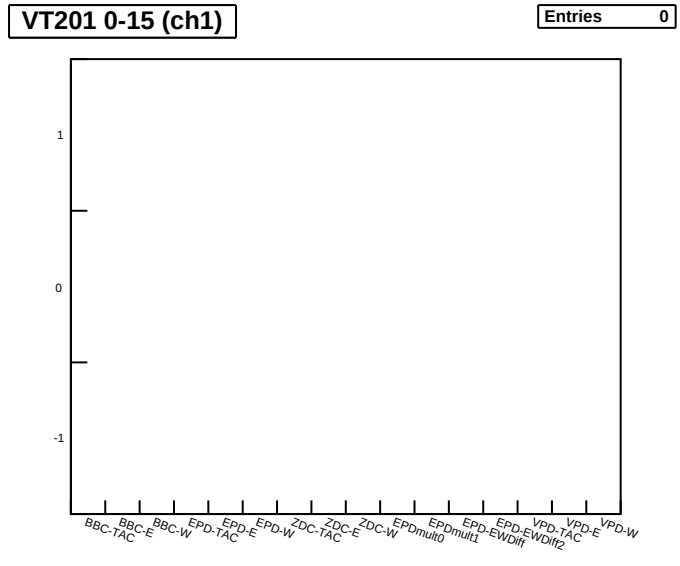

Laser Input Bits
Entries 9968
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

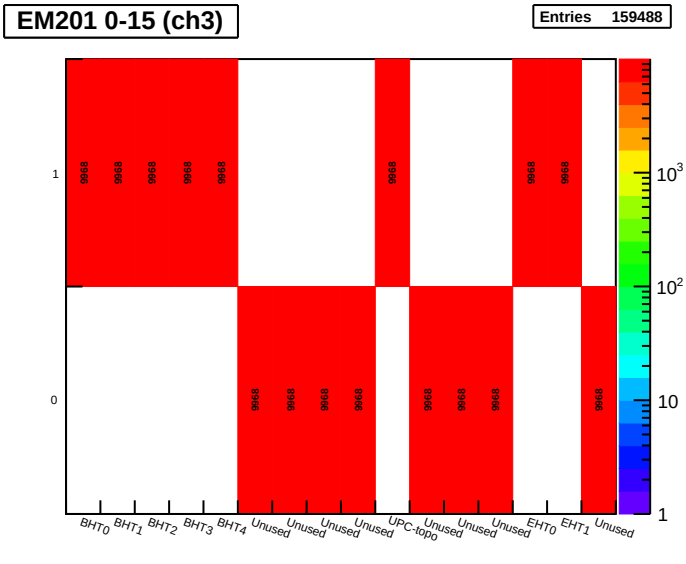

ST201 0-15 (ch6)
Entries 159488
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
152
151
1
151
9816
9817
9967
9817
9968
9968
9968
9968
9968
9968
9968
9968
9968
9968
9968
9968
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

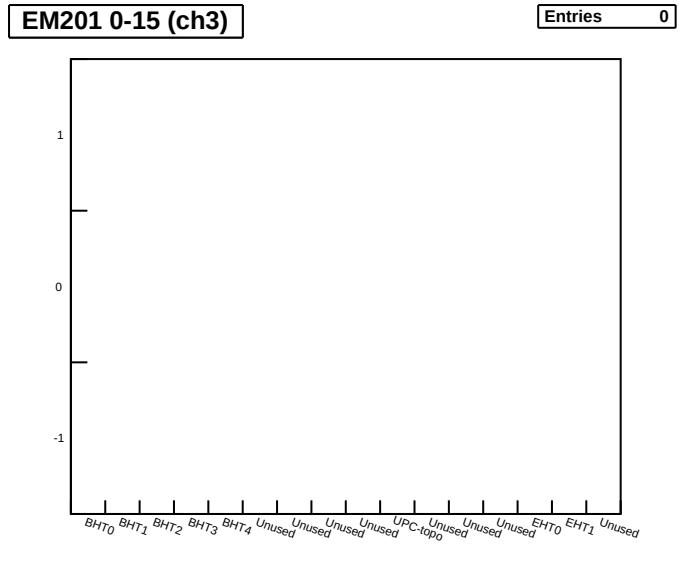

TF201 0-15 (ch0)
Entries 159488
1
0
9968 9733 9317 9027 7217 8754 8754 8688 9968 9968 9968
9968 9968 9968 235 651 941 2751 9968 1214 1214 1280 9968
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^3
10^2
10
1


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 159488
1
0
3981 5969 9165 8707 9756 9739 19 247 328 8 9246 9707 4292 4956 8110
5987 3999 783 1261 212 229 9949 9721 9640 9950 9968 722 261 5676 5012 1858
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 159488
1
0
9968 9968 9968 9968 9968 9968 9968 9968
9968 9968 9968 9968 9968 9968 9968 9968
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