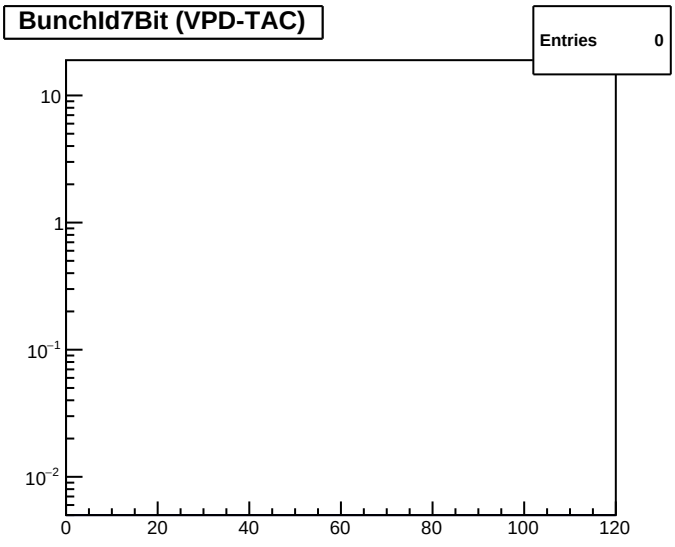
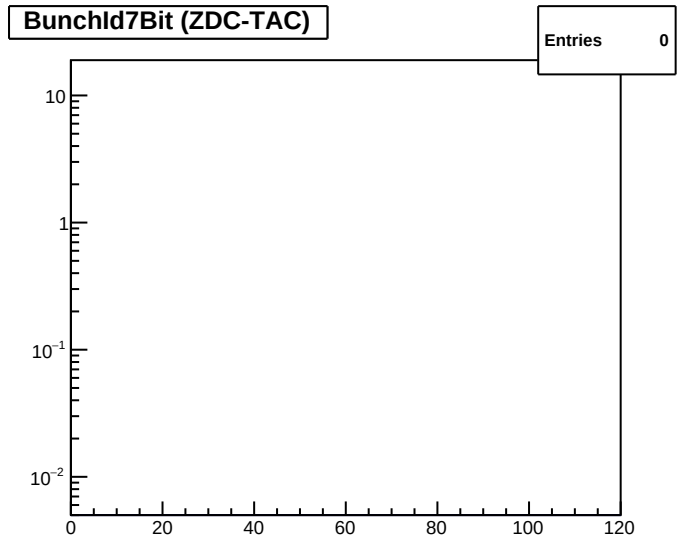
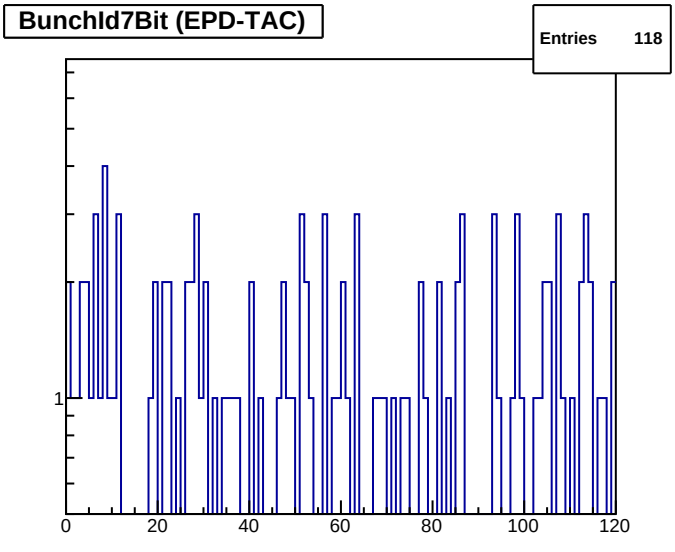
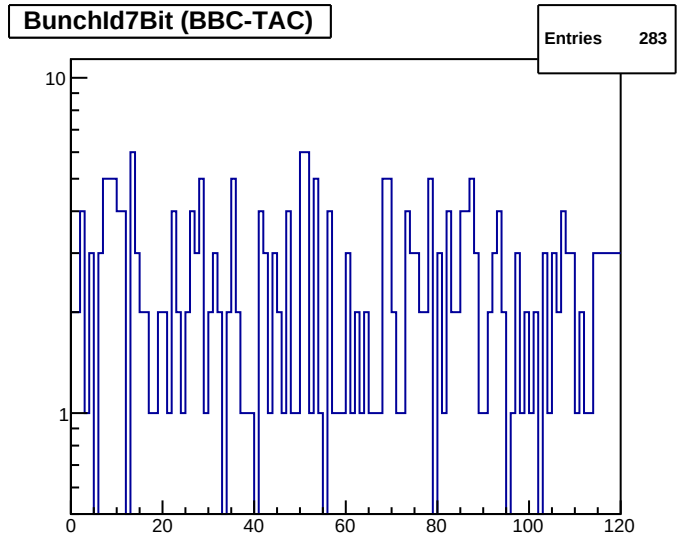
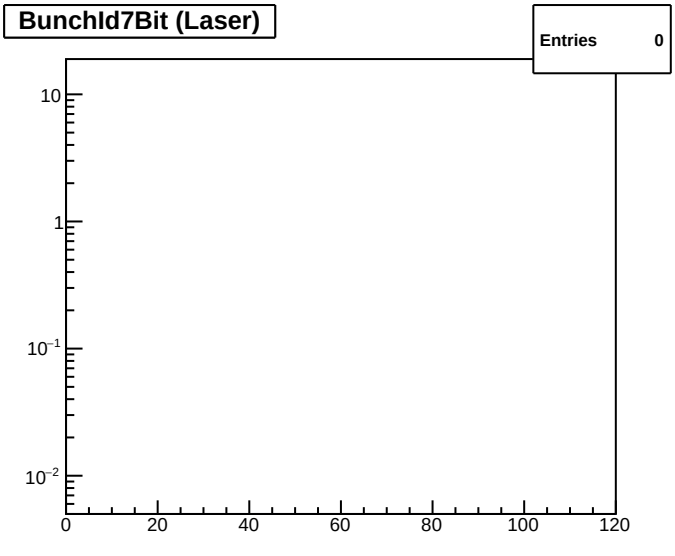
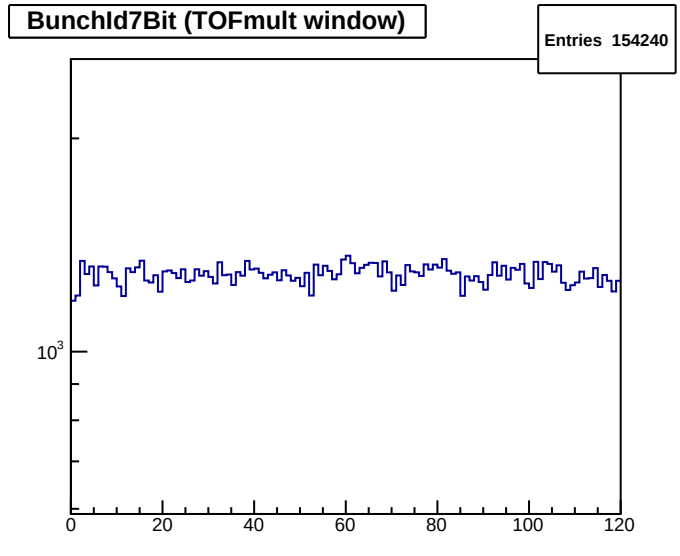

BunchId7Bit (VPD-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

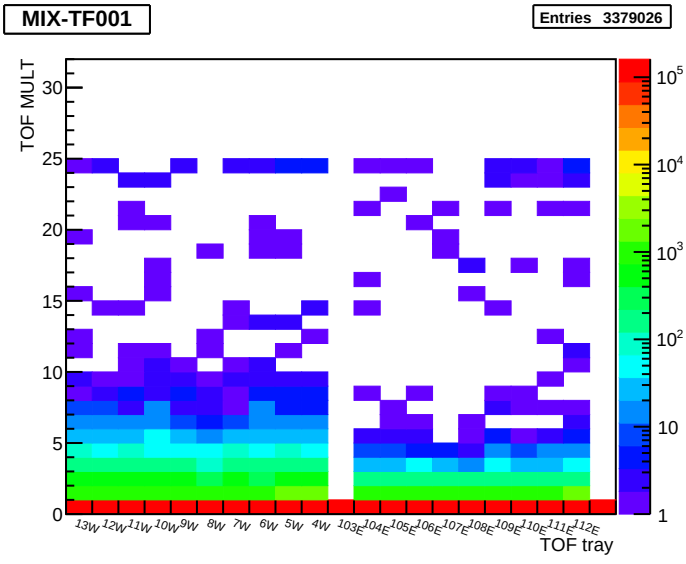

BunchId7Bit (ZDC-TAC)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

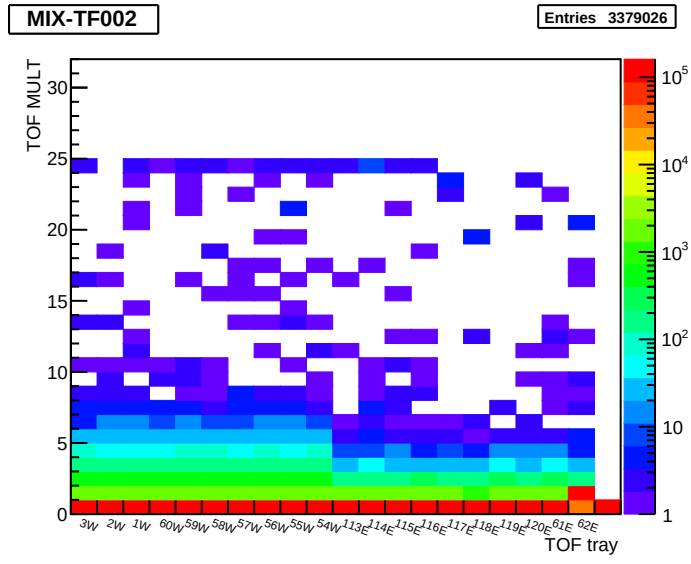

BunchId7Bit (EPD-TAC)
Entries 118
1
0 20 40 60 80 100 120

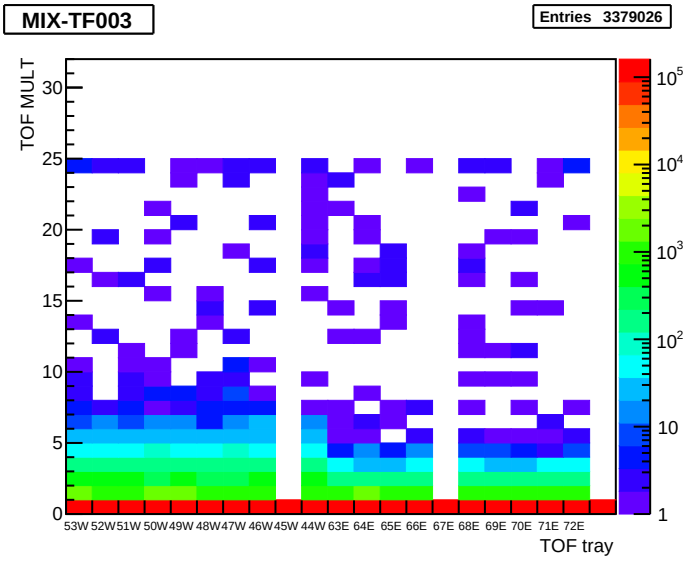

BunchId7Bit (BBC-TAC)
Entries 283
10
1
0 20 40 60 80 100 120

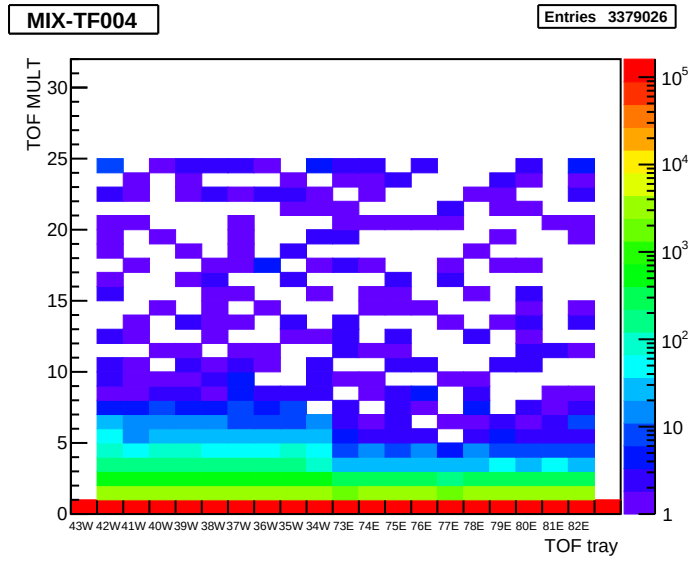

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

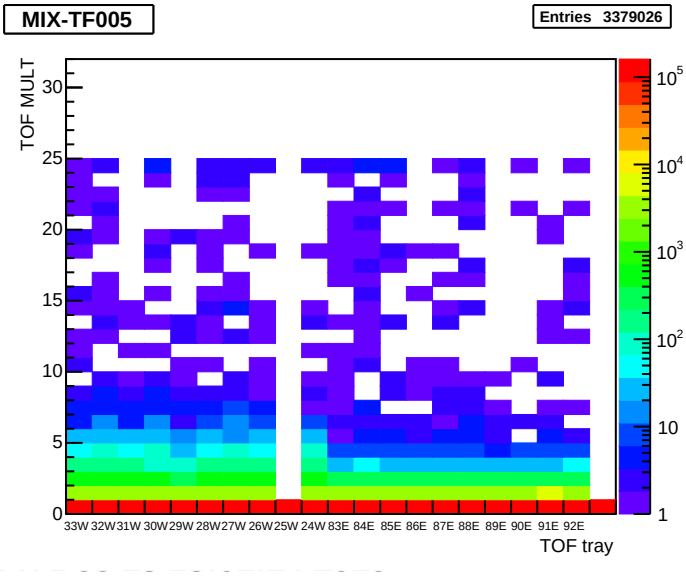

BunchId7Bit (TOFmult window)
Entries 154240
10^{3}
0 20 40 60 80 100 120

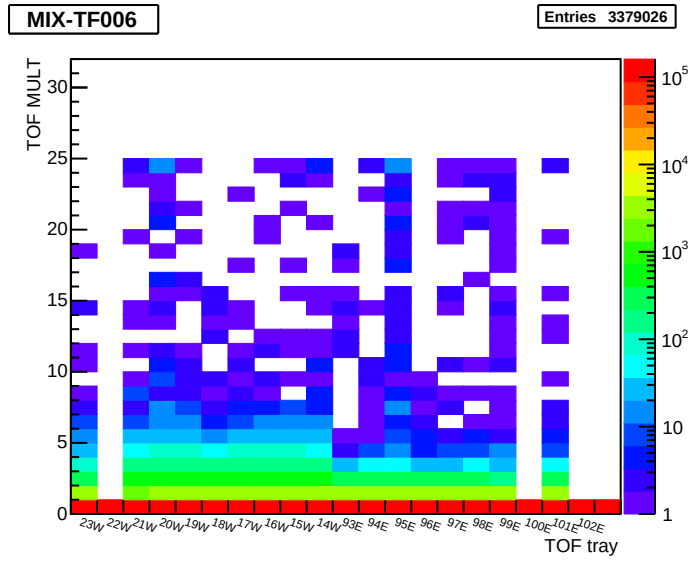

MIX-TF001
Entries 3379026
TOF MULT
TOF tray

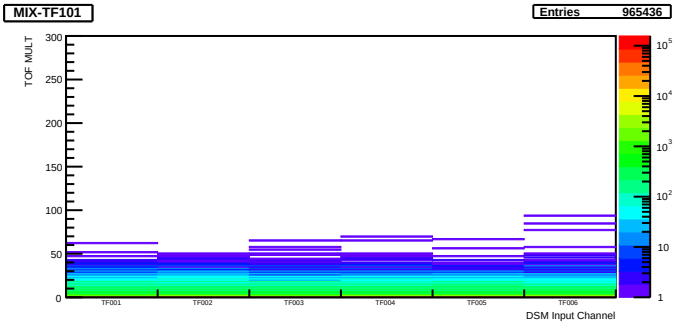

MIX-TF002
Entries 3379026
TOF MULT
TOF tray

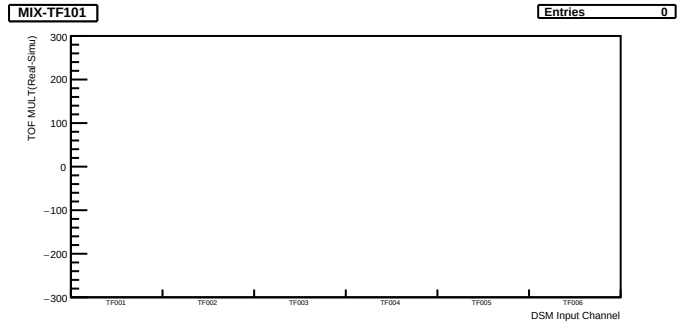

MIX-TF003
Entries 3379026
TOF MULT
TOF tray

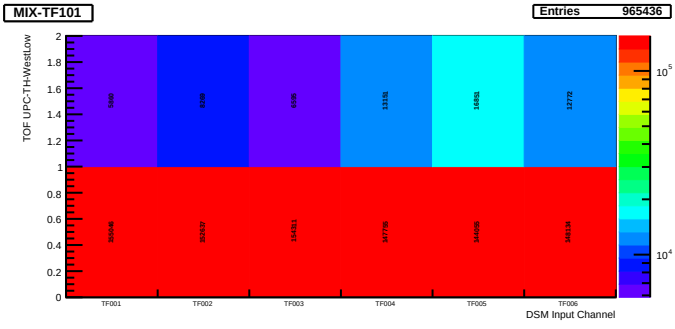

MIX-TF004
Entries 3379026
TOF MULT
TOF tray

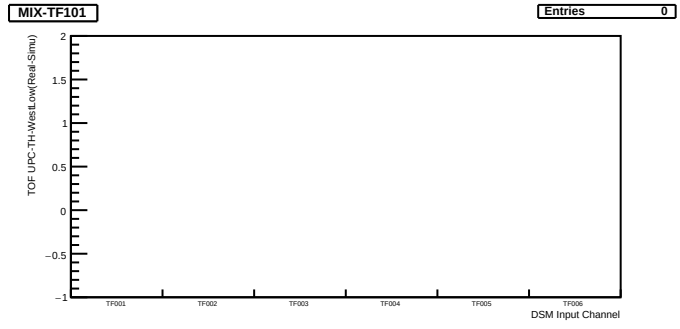

MIX-TF005
Entries 3379026
TOF MULT
TOF tray

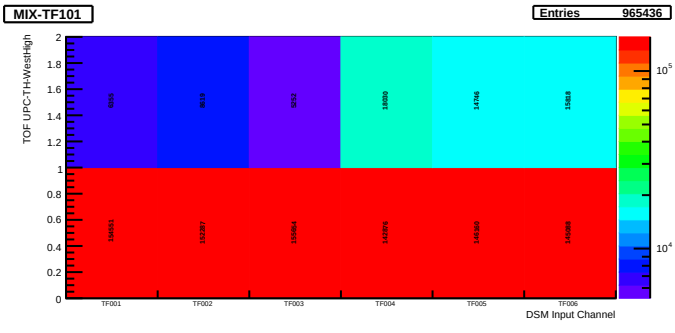

MIX-TF006
Entries 3379026
TOF MULT
TOF tray

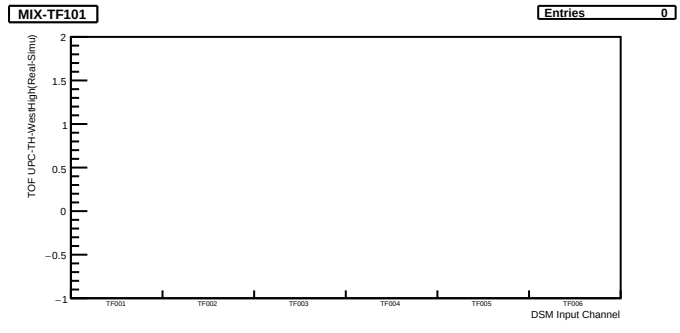

MIX-TF101
Entries 965436
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

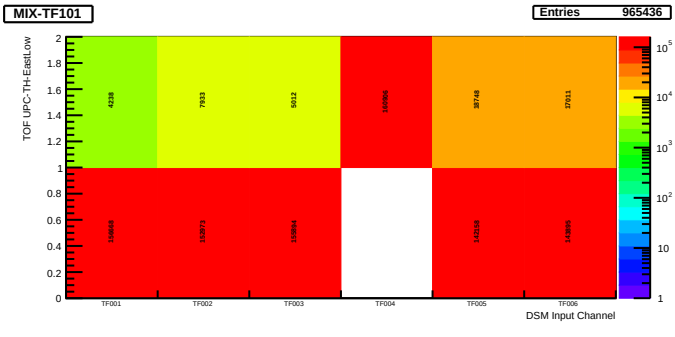

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

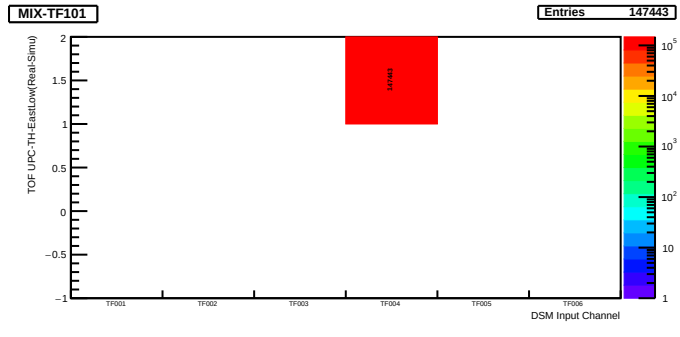

MIX-TF101
Entries 965436
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

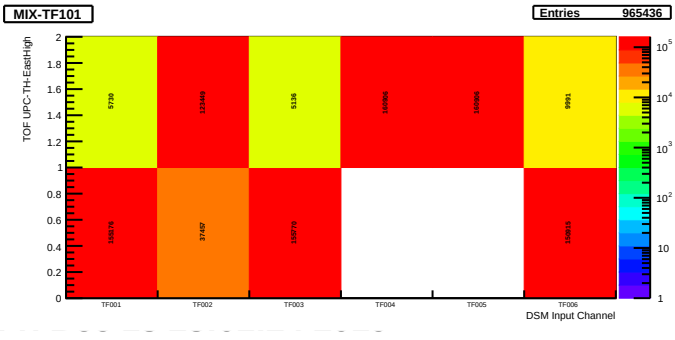

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

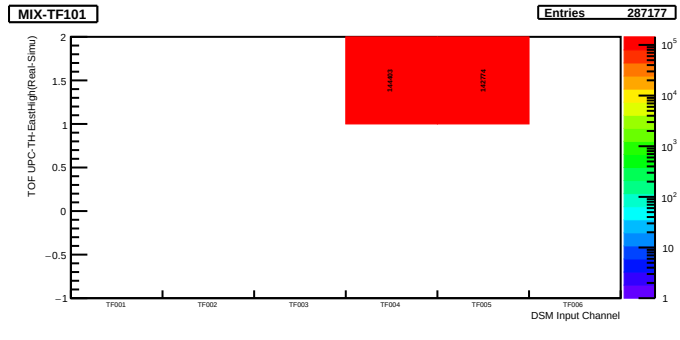

MIX-TF101
Entries 965436
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

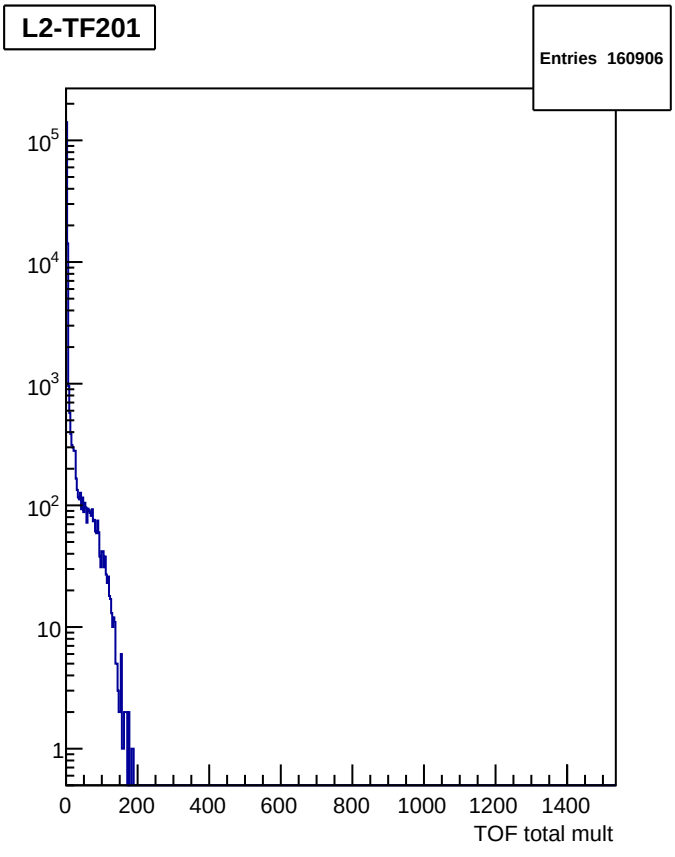

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

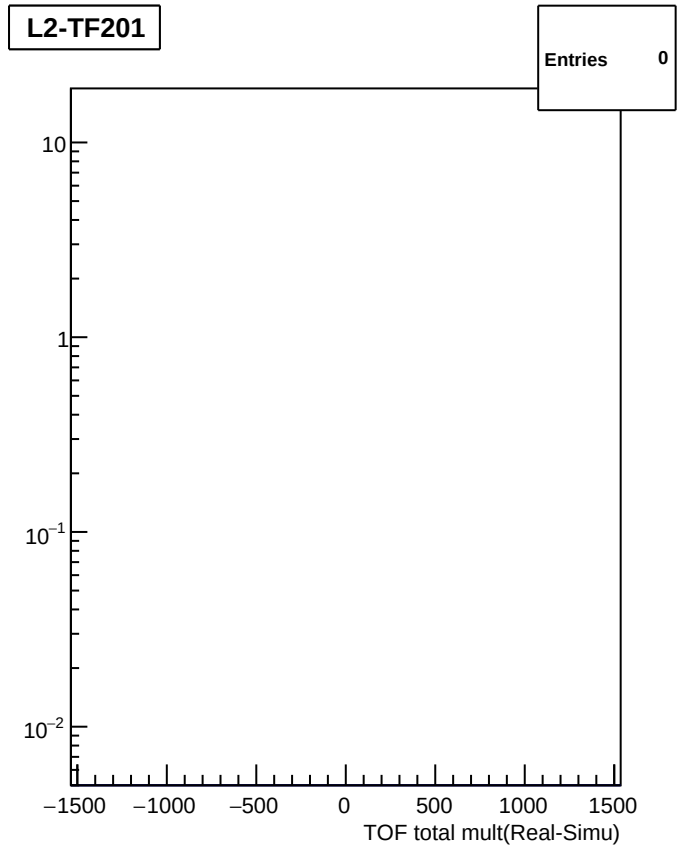

MIX-TF101
Entries 965436
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

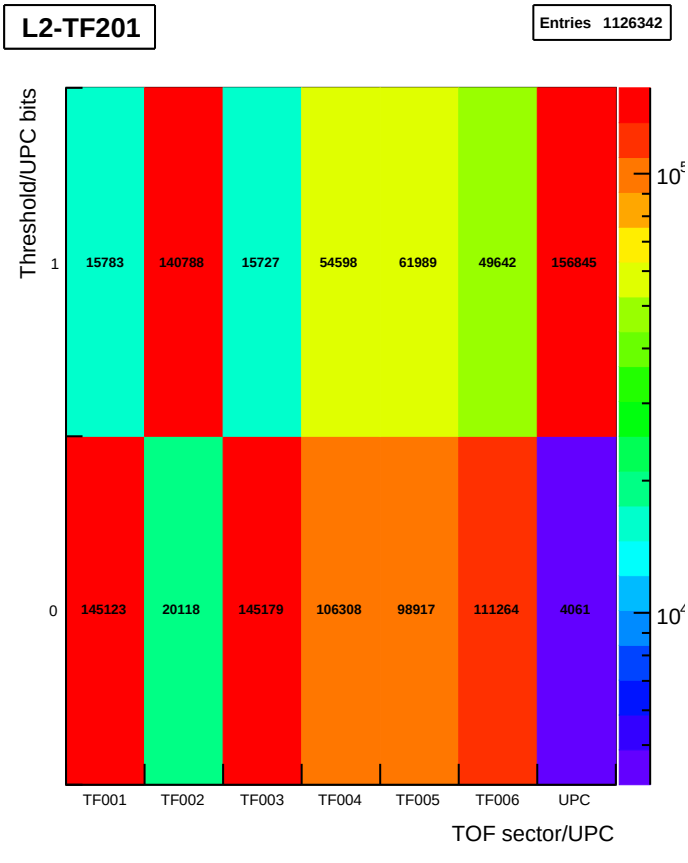

MIX-TF101
Entries 147443
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

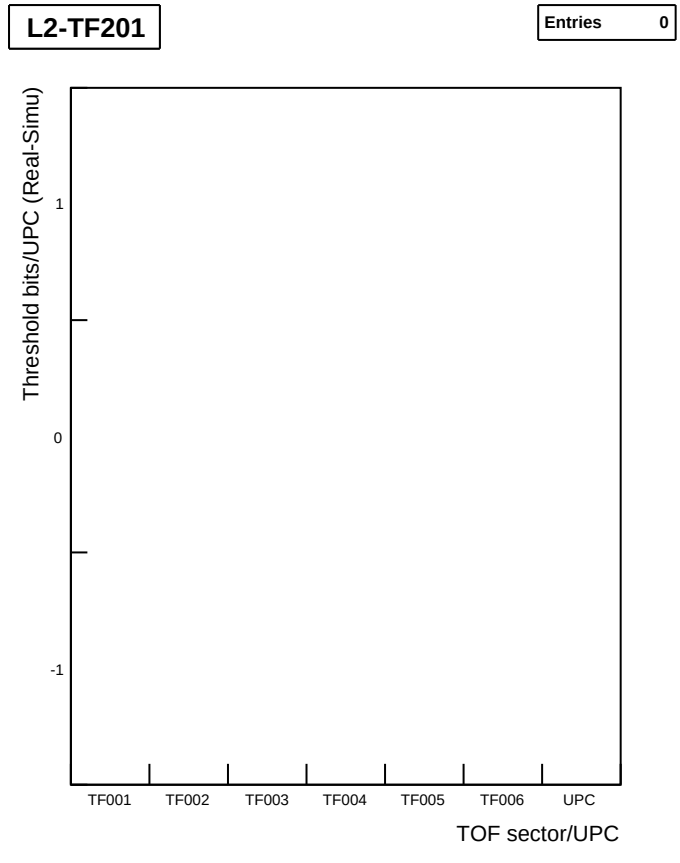

MIX-TF101
Entries 965436
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

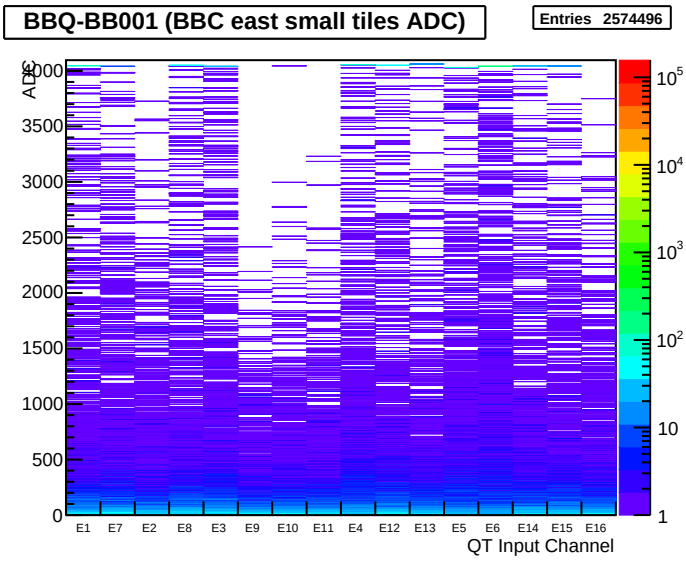

MIX-TF101
Entries 287177
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

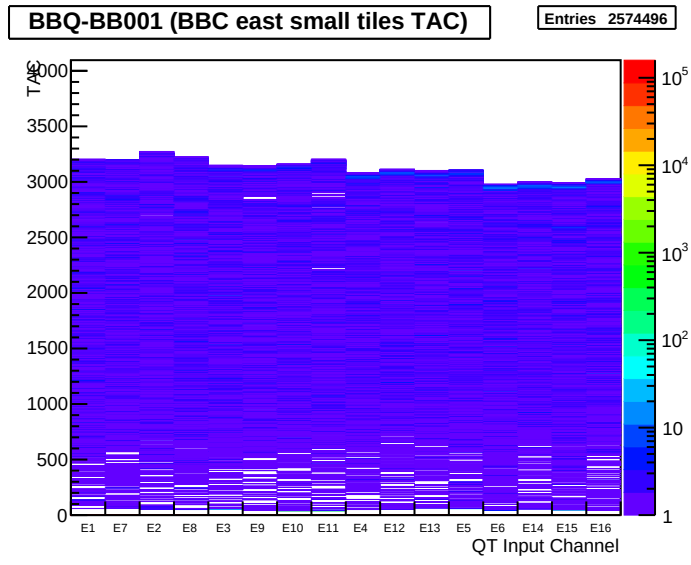

L2-TF201
Entries 160906
TOF total mult

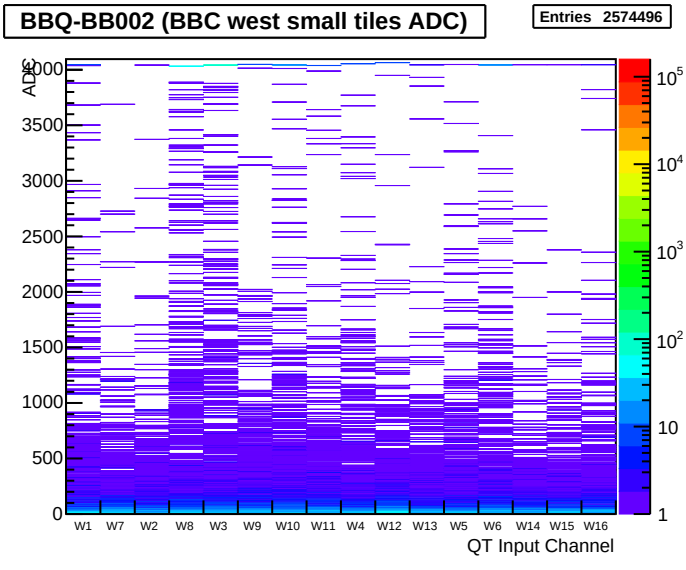

L2-TF201
Entries 0
TOF total mult(Real-Simu)

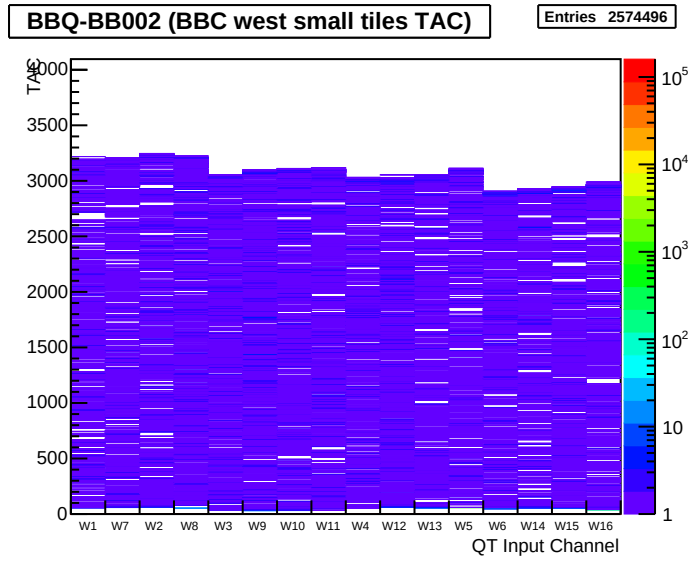

L2-TF201
Entries 1126342
Threshold/UPC bits
15783
140788
15727
54598
61989
49642
156845
145123
20118
145179
106308
98917
111264
4061
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

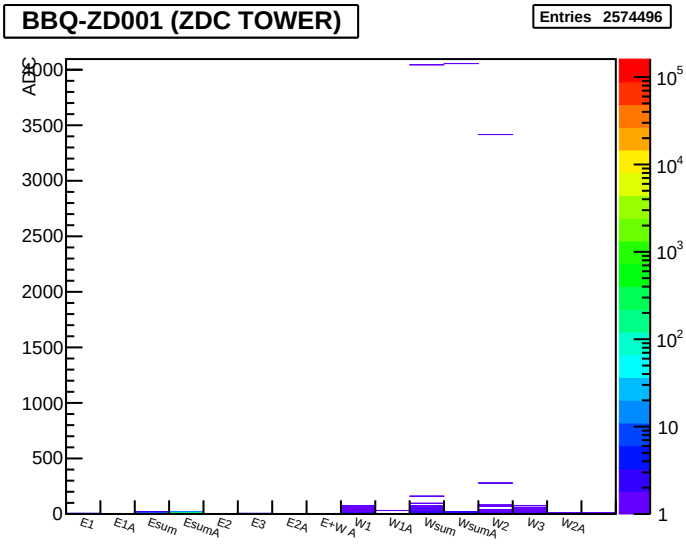

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

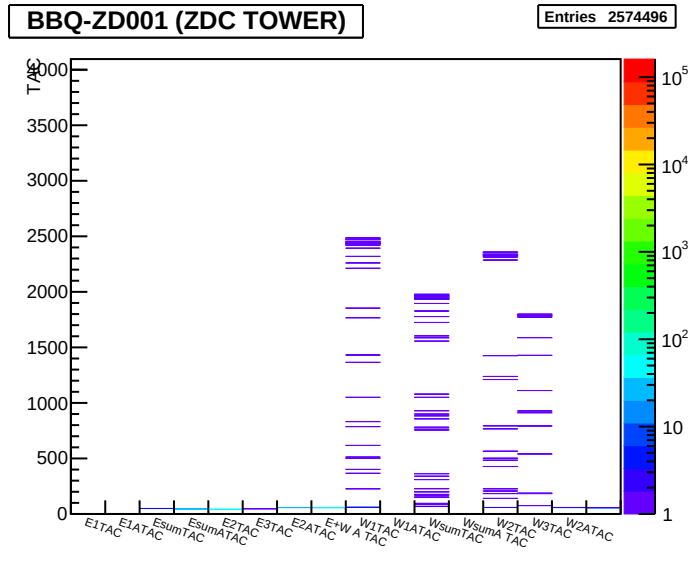

BBQ-BB001 (BBC east small tiles ADC)
Entries 2574496
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

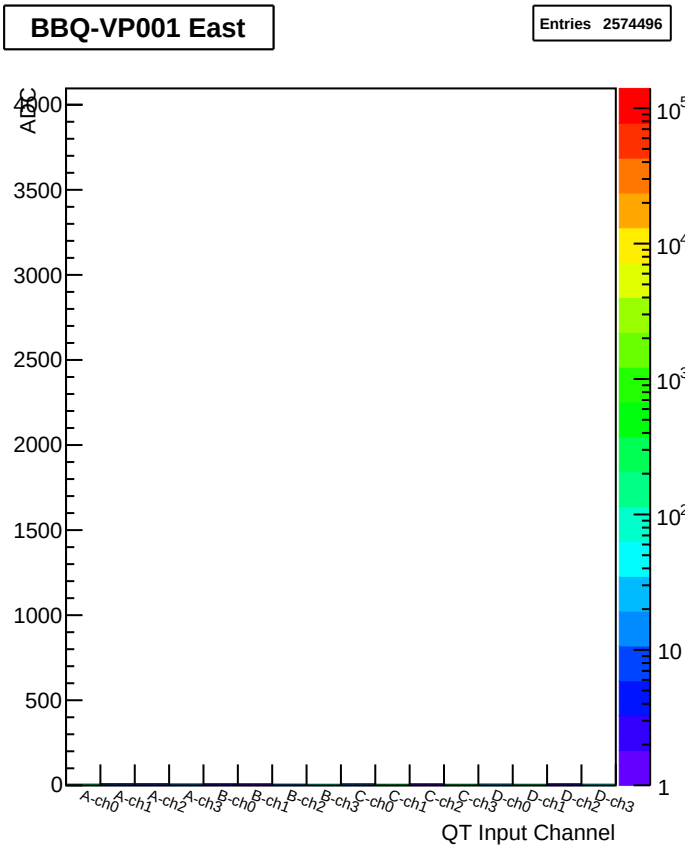

BBQ-BB001 (BBC east small tiles TAC)
Entries 2574496
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

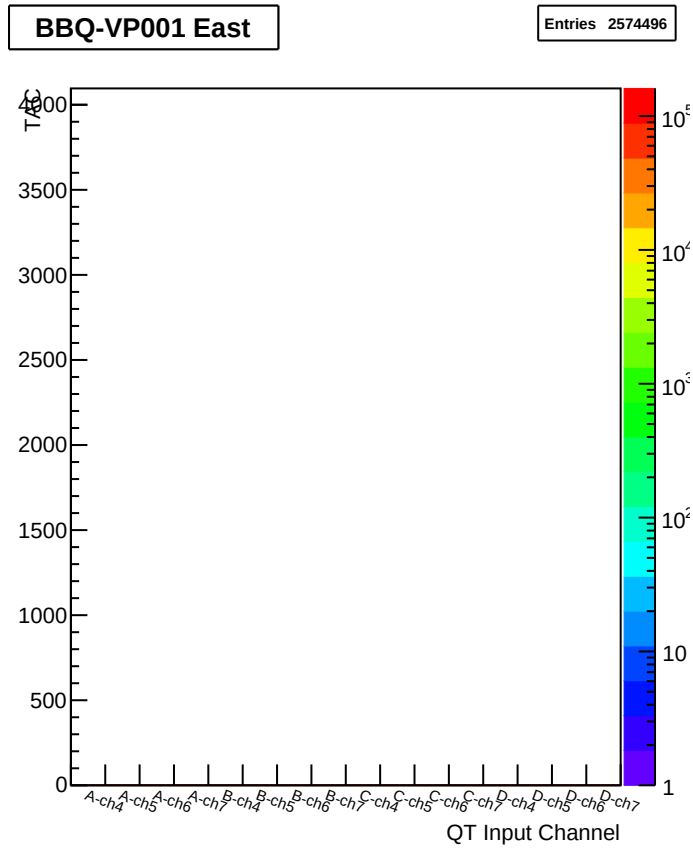

BBQ-BB002 (BBC west small tiles ADC)
Entries 2574496
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

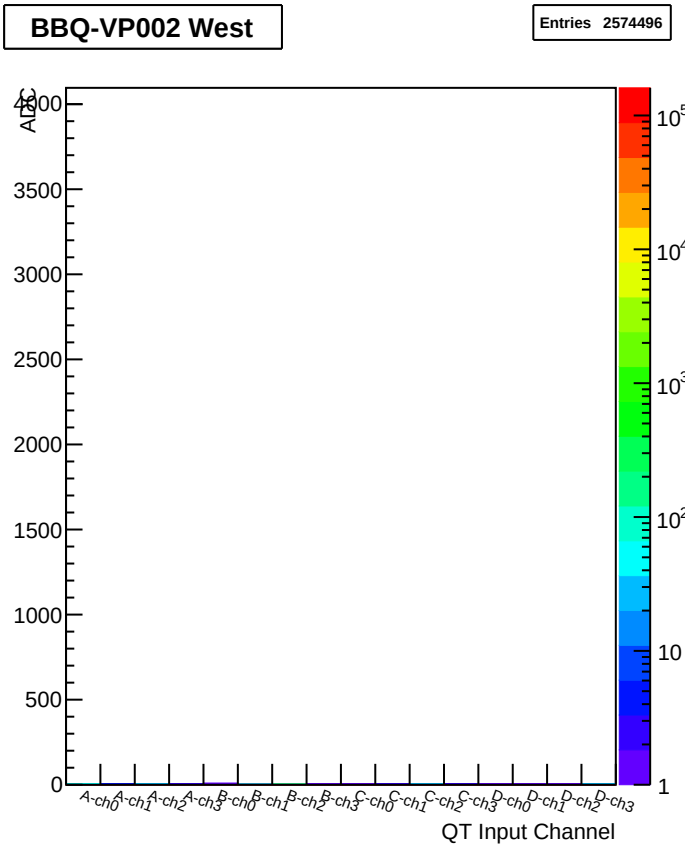

BBQ-BB002 (BBC west small tiles TAC)
Entries 2574496
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

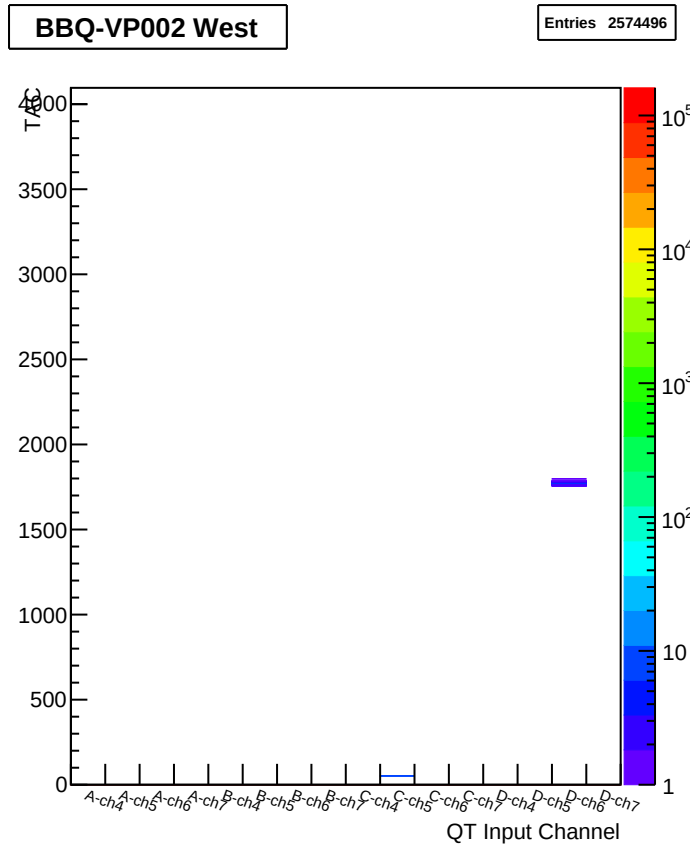

BBQ-ZD001 (ZDC TOWER)
Entries 2574496
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

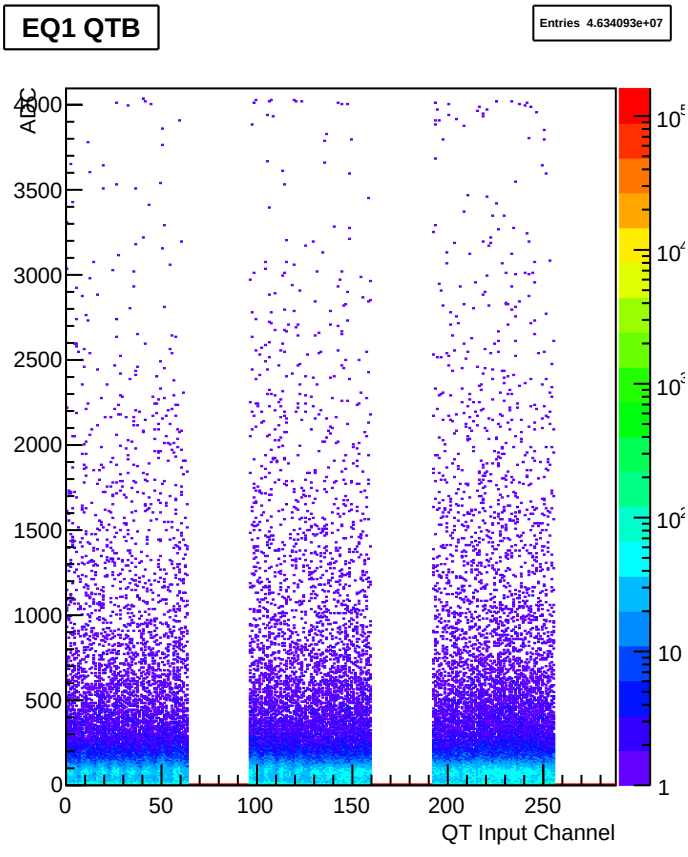

BBQ-ZD001 (ZDC TOWER)
Entries 2574496
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

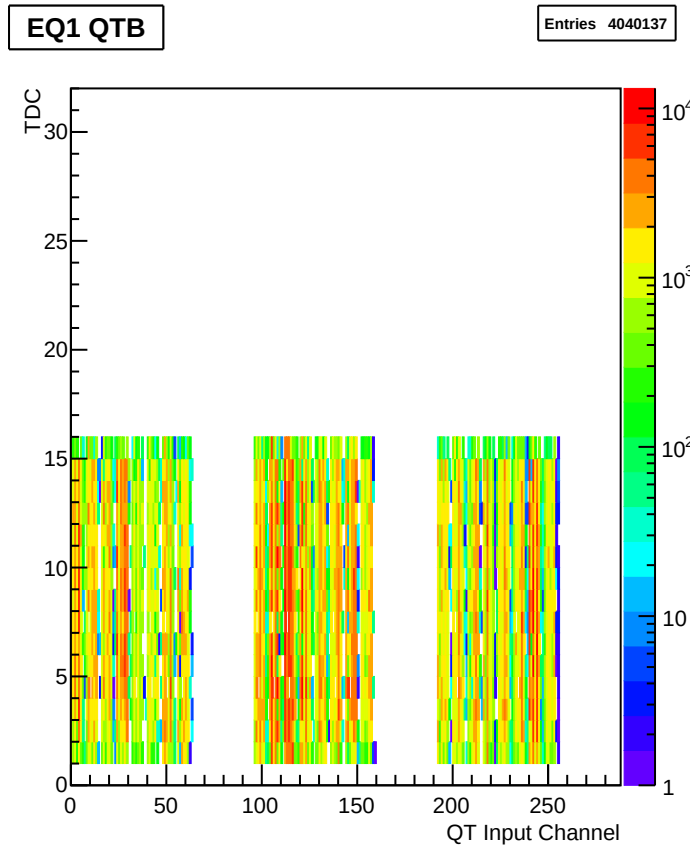

BBQ-VP001 East
Entries 2574496
ADC
QT Input Channel

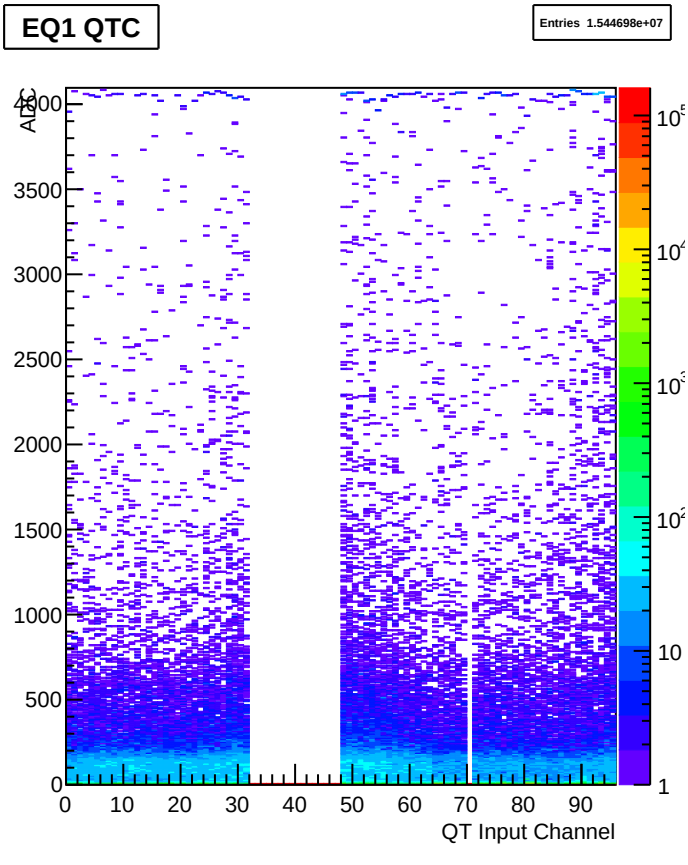

BBQ-VP001 East
Entries 2574496
TADC
QT Input Channel

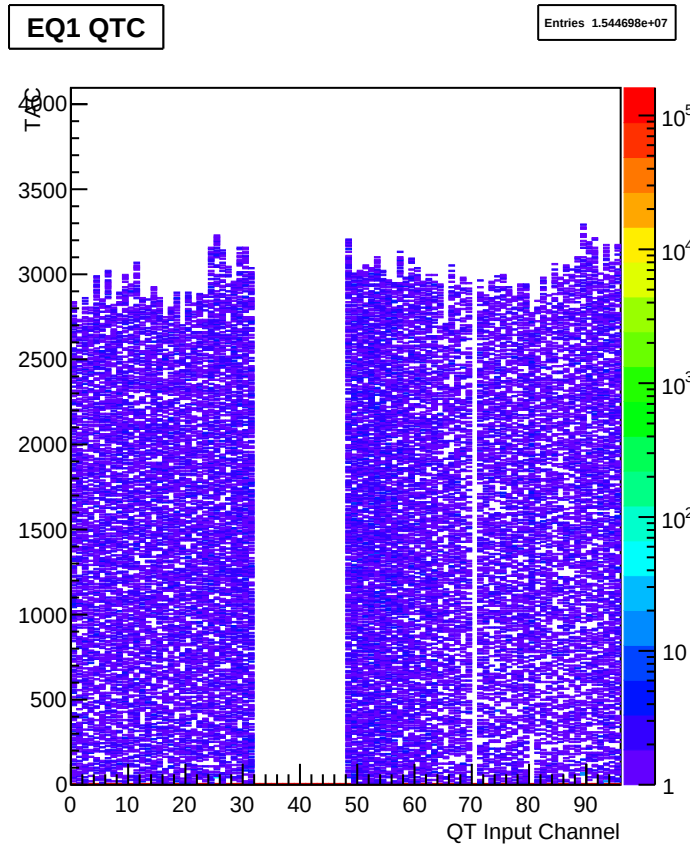

BBQ-VP002 West
Entries 2574496
ADC
QT Input Channel

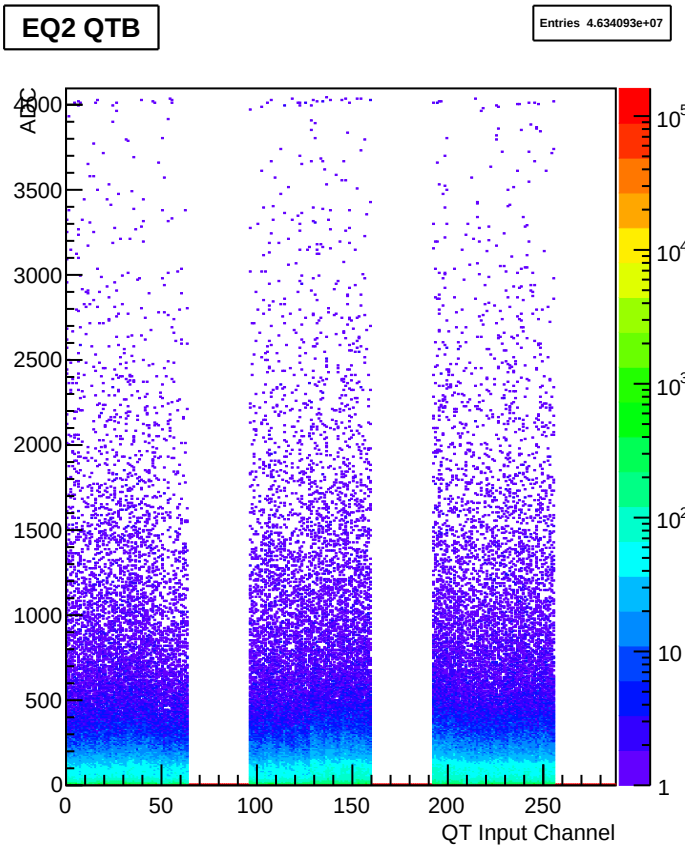

BBQ-VP002 West
Entries 2574496
TADC
QT Input Channel

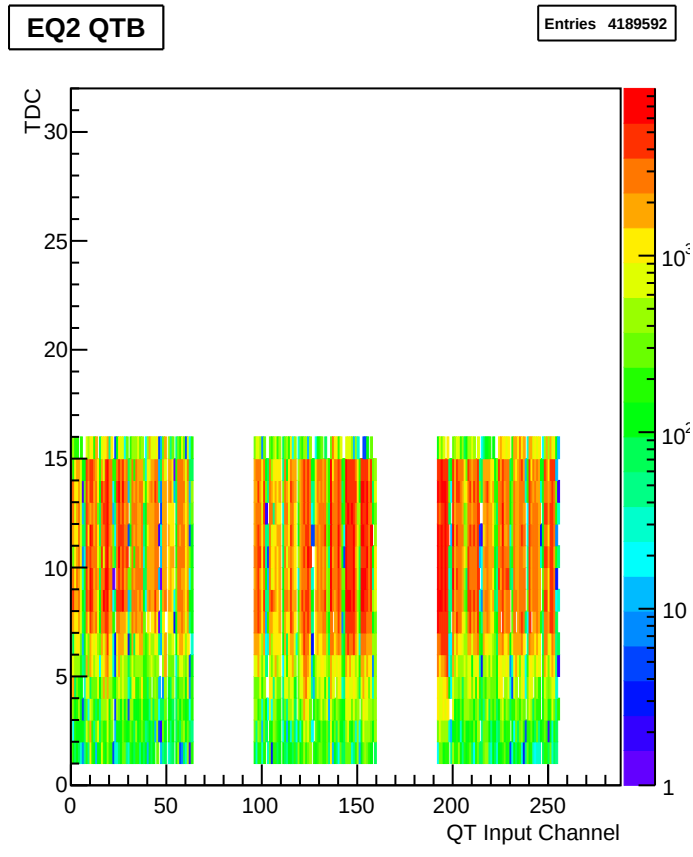

EQ1 QTB
Entries 4.634093e+07
ADC
QT Input Channel

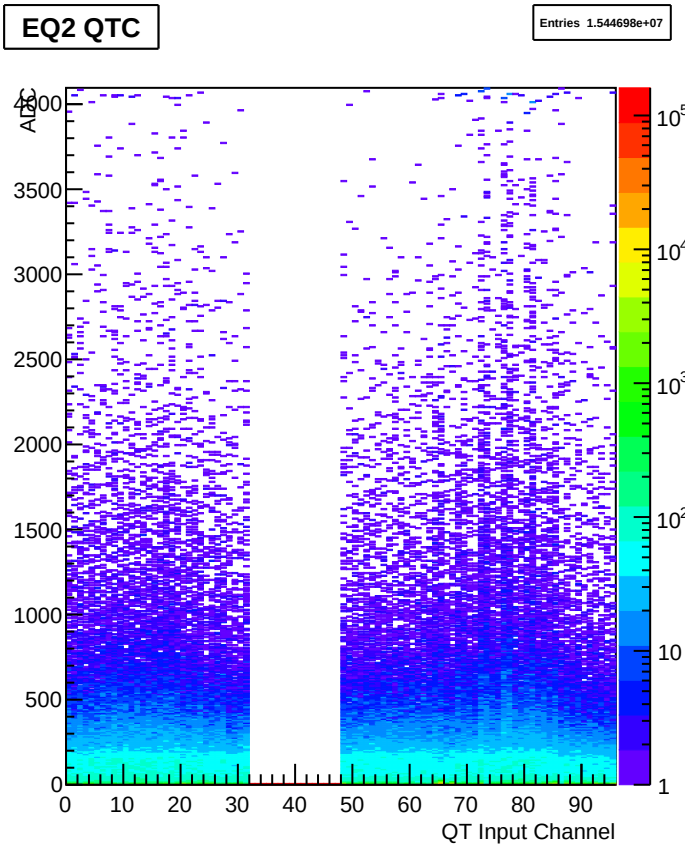

EQ1 QTB
Entries 4040137
TDC
QT Input Channel

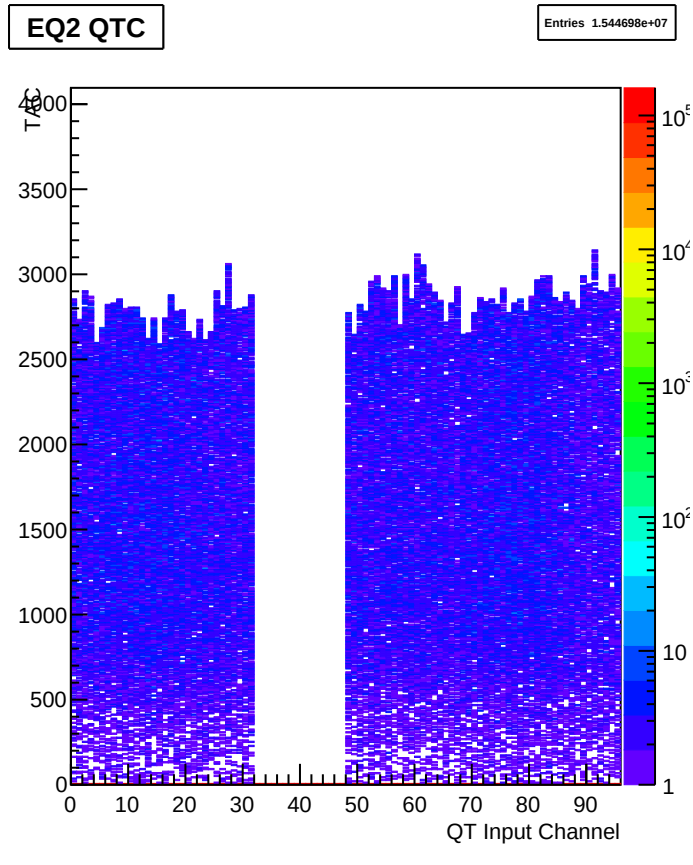

EQ1 QTC
Entries 1.544698e+07
ADC
QT Input Channel

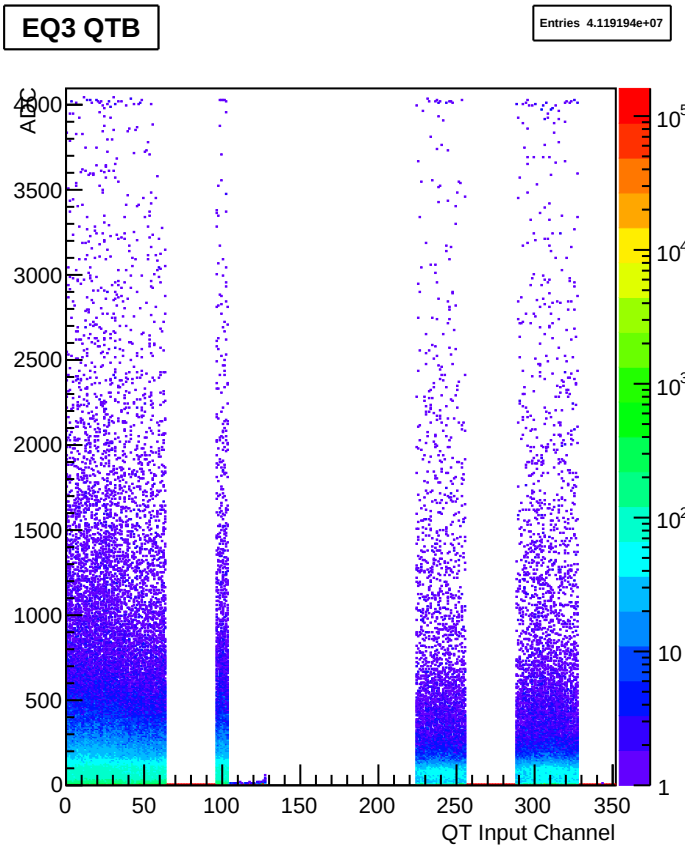

EQ1 QTC
Entries 1.544698e+07
TADC
QT Input Channel

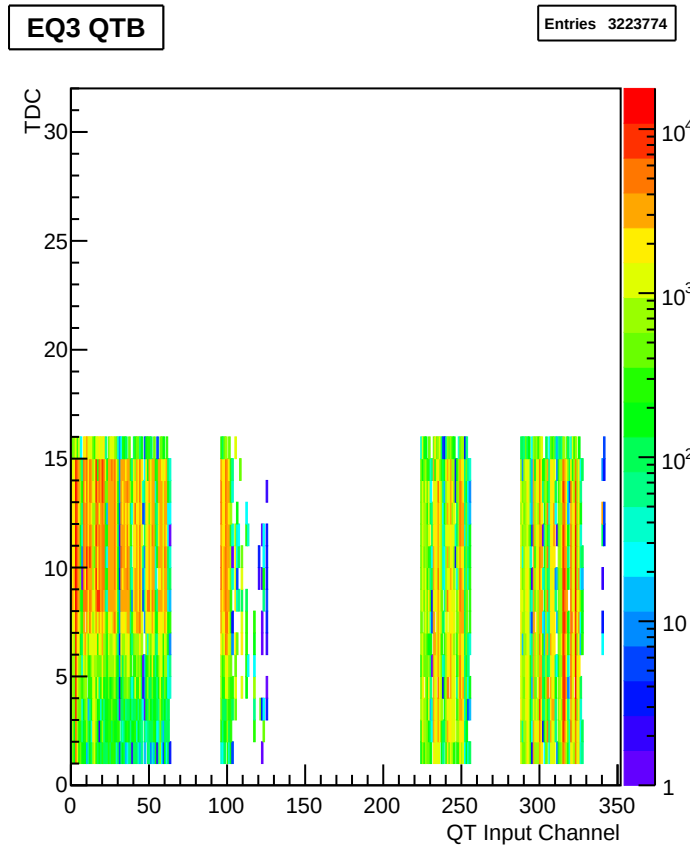

EQ2 QTB
Entries 4.634093e+07
ADC
QT Input Channel

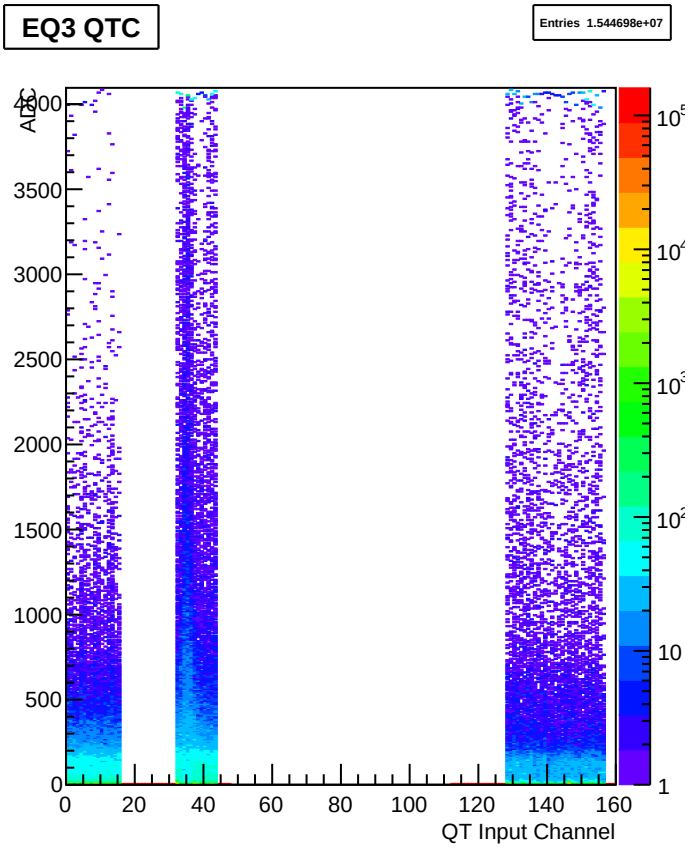

EQ2 QTB
Entries 4189592
TDC
QT Input Channel

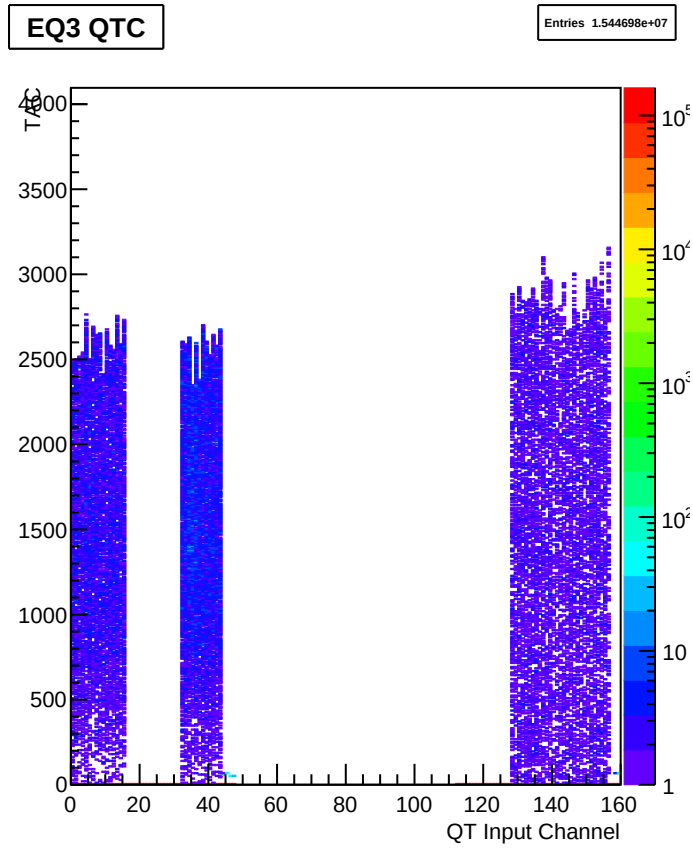

EQ2 QTC
Entries 1.544698e+07
ADC
QT Input Channel

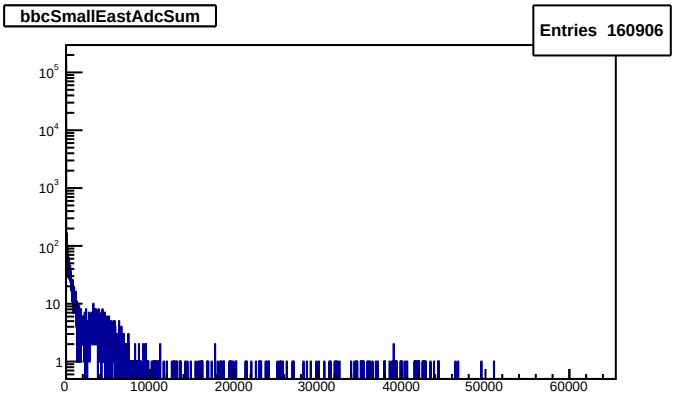

EQ2 QTC
Entries 1.544698e+07
TADC
QT Input Channel

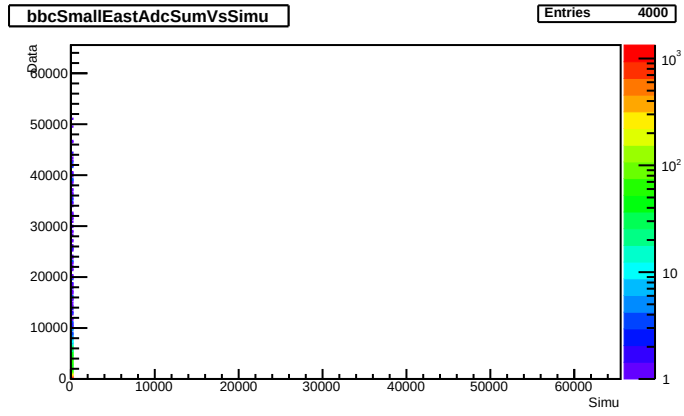

EQ3 QTB
Entries 4.119194e+07
ADC
QT Input Channel

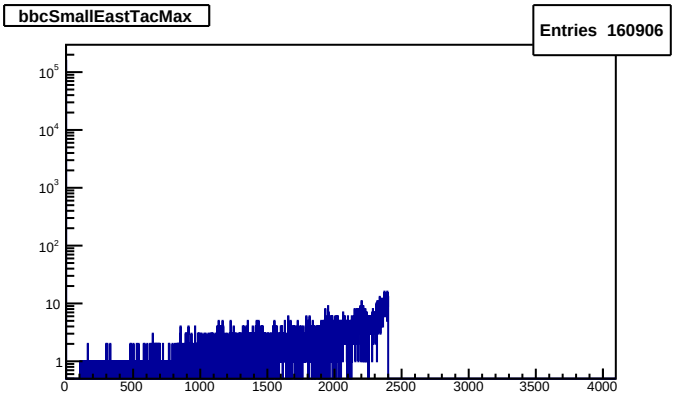

EQ3 QTB
Entries 3223774
TDC
QT Input Channel

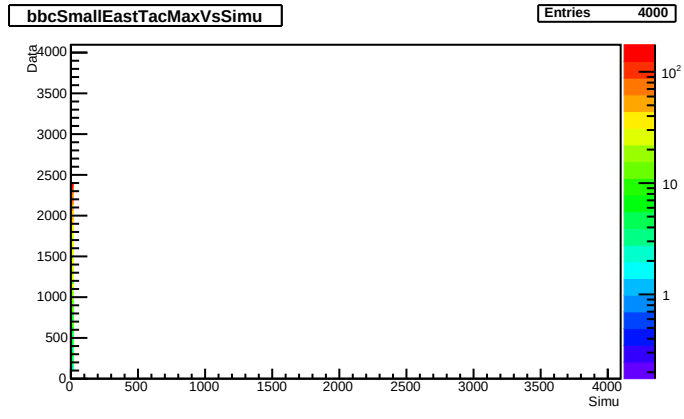

EQ3 QTC
Entries 1.544698e+07
ADC
QT Input Channel

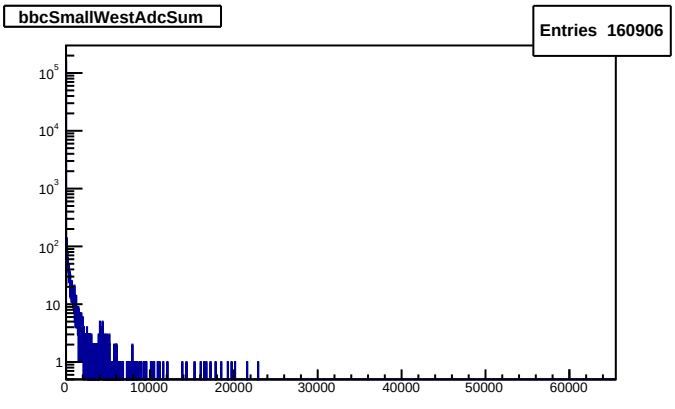

EQ3 QTC
Entries 1.544698e+07
TAC
QT Input Channel

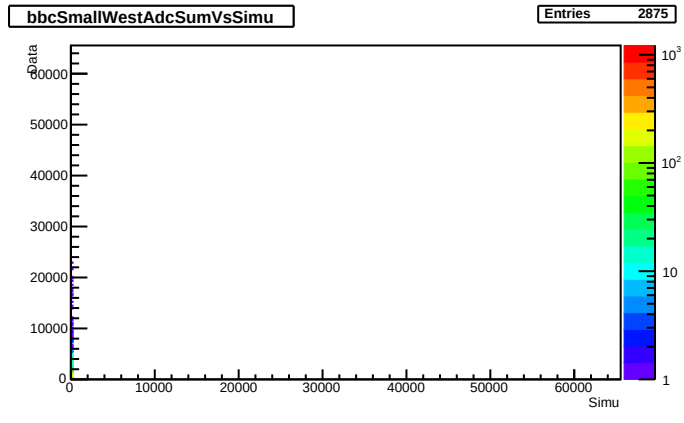

bbcSmallEastAdcSum
Entries 160906

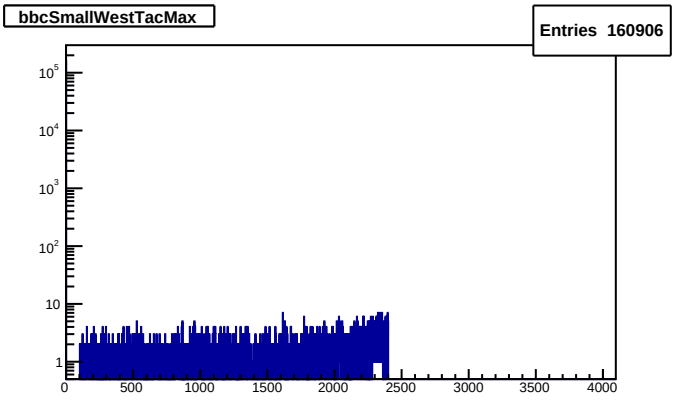

bbcSmallEastAdcSumVsSimu
Entries 4000
Data
Simu


bbcSmallEastTacMax
Entries 160906


bbcSmallEastTacMaxVsSimu
Entries 4000
Data
Simu


bbcSmallWestAdcSum
Entries 160906


bbcSmallWestAdcSumVsSimu
Entries 2875
Data
Simu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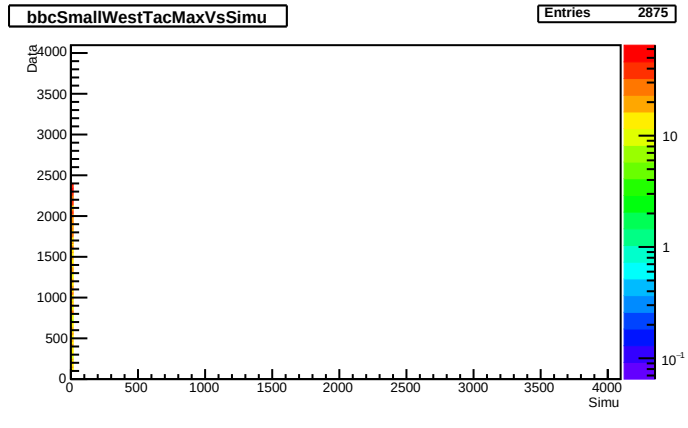
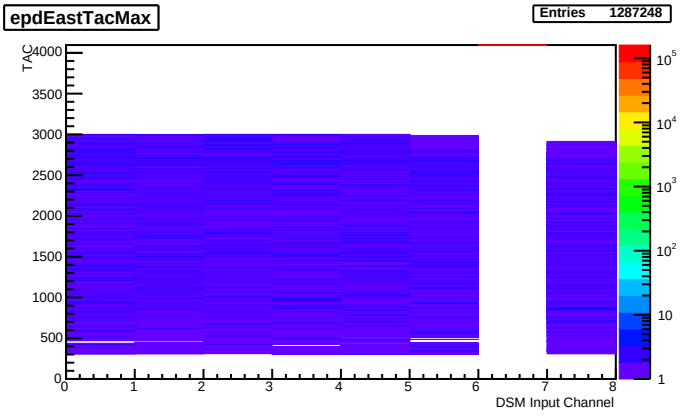
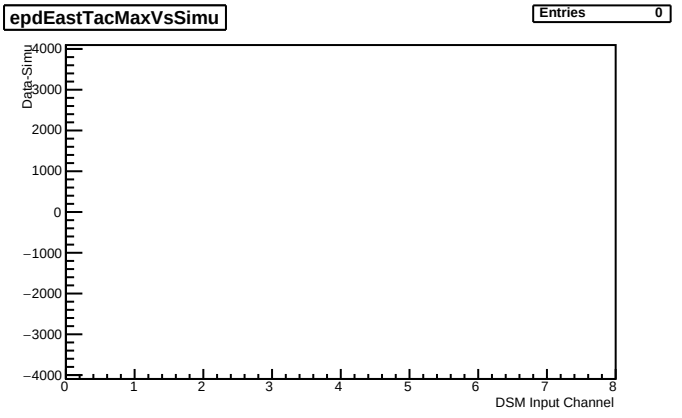
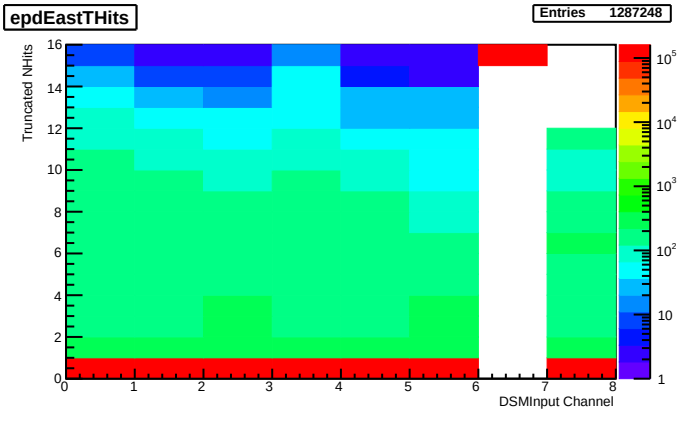
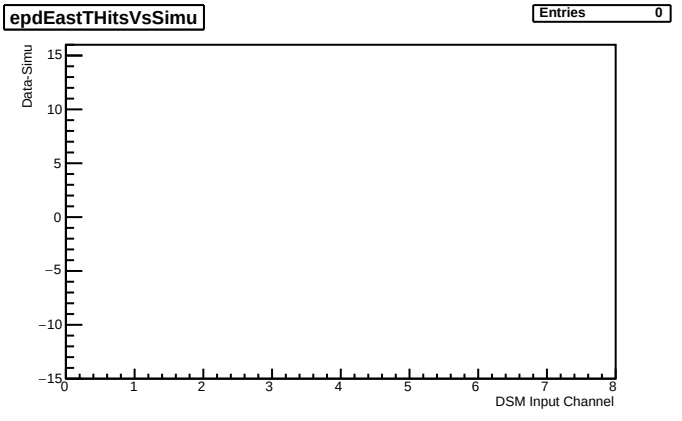

bbcSmallWestTacMaxVsSimu
Entries 2875
Data
Simu


epdEastTacMax
Entries 1287248
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1287248
Truncated NHits
DSMInput Channel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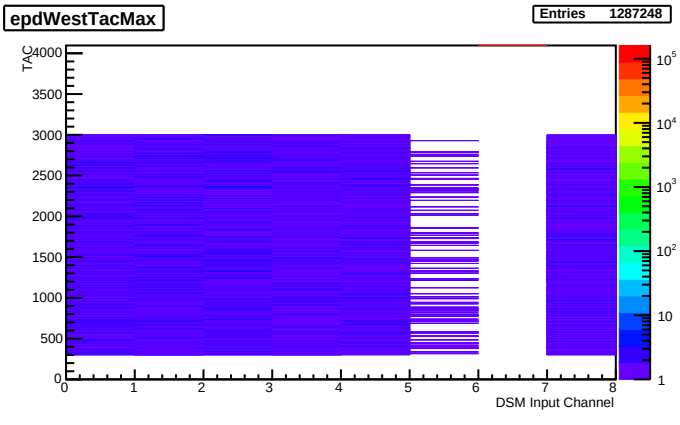
Data-Simu
DSM Input Channel


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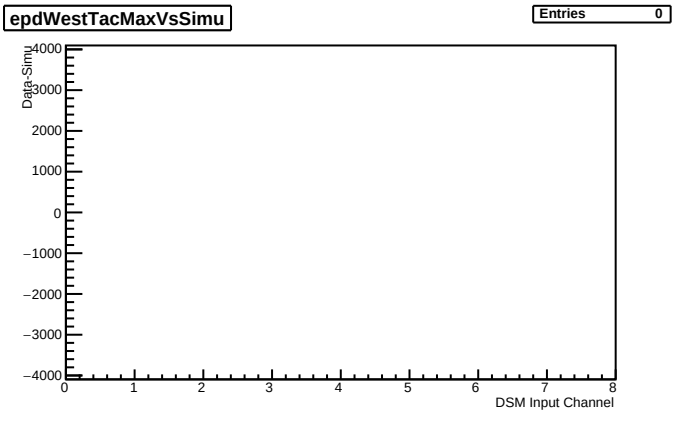
TAC
DSM Input Channel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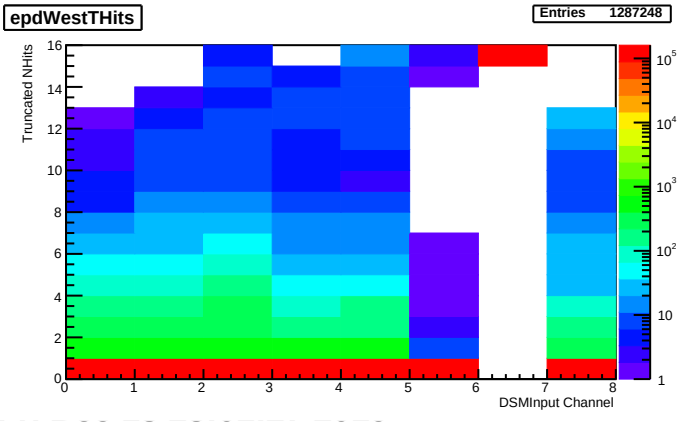
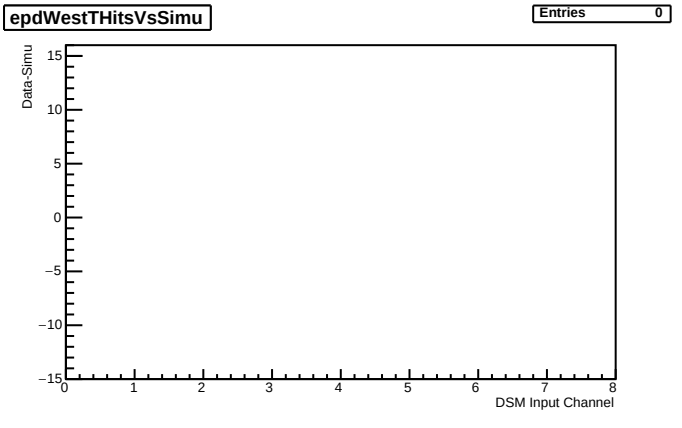
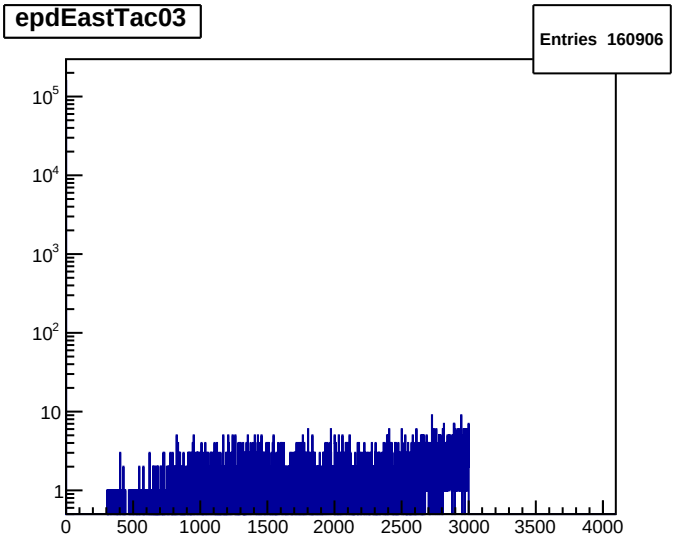
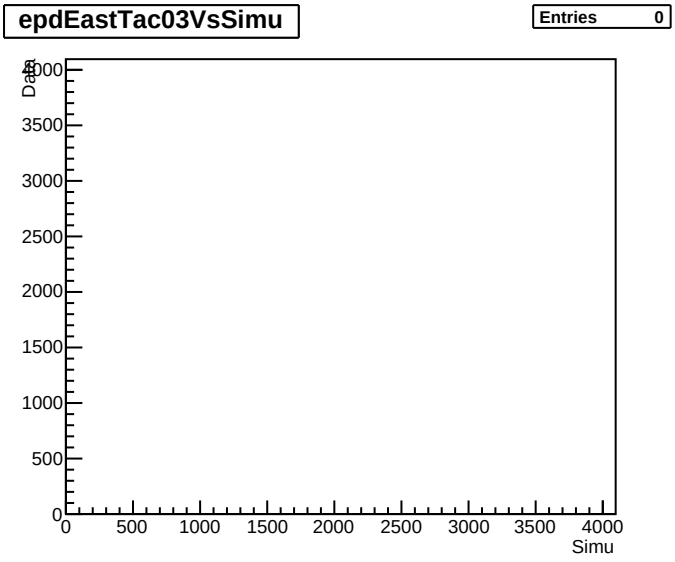
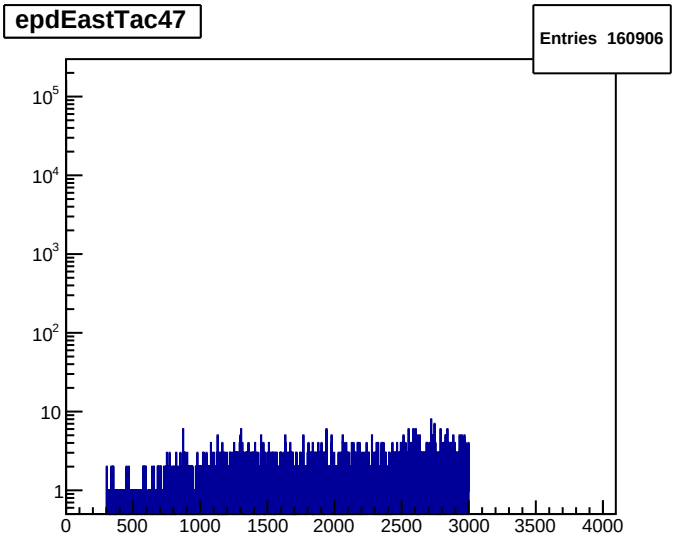
Entries 0
Data-Simu
DSM Input Channel

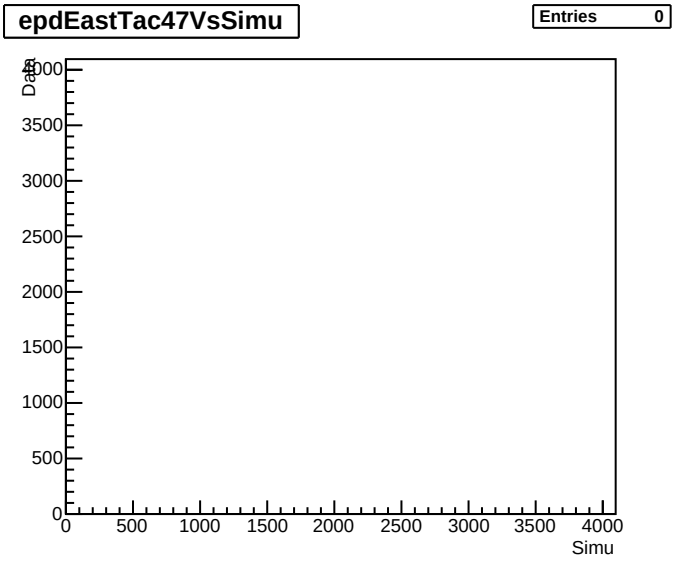

epdWestTHits
Entries 1287248
Truncated NHits
DSMInput Channel

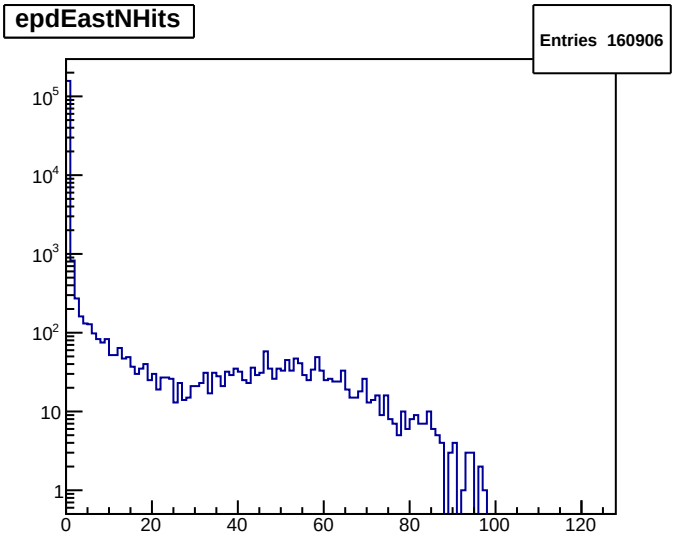

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

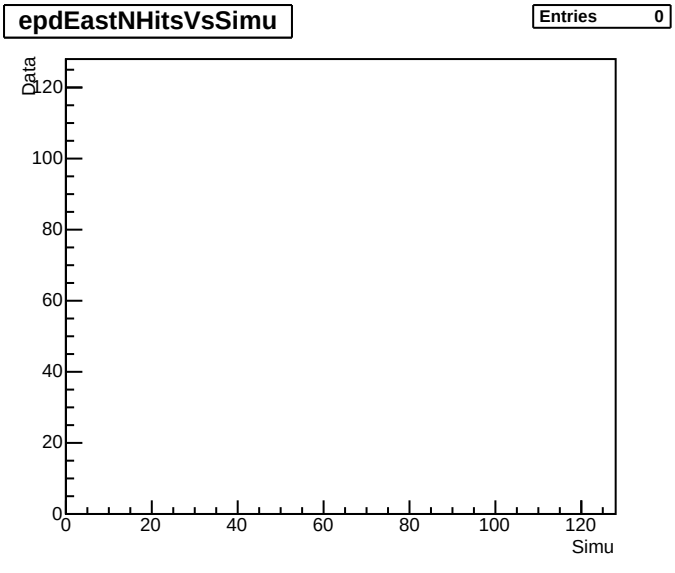

epdEastTac03
Entries 160906

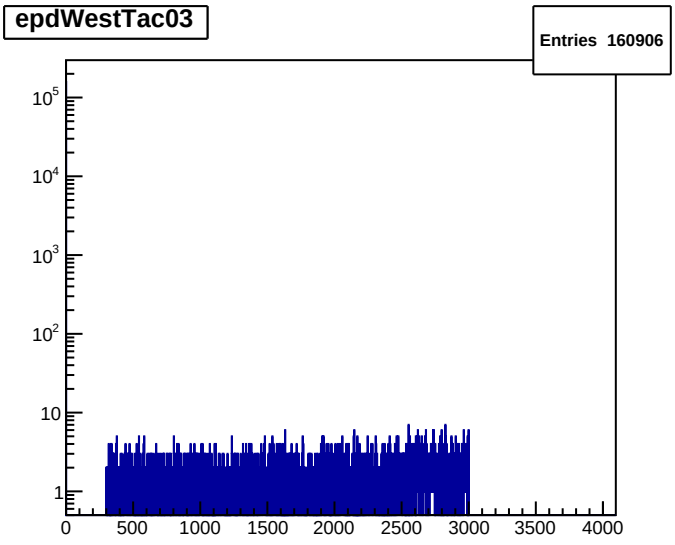

epdEastTac03VsSimu
Entries 0
Data
Simu

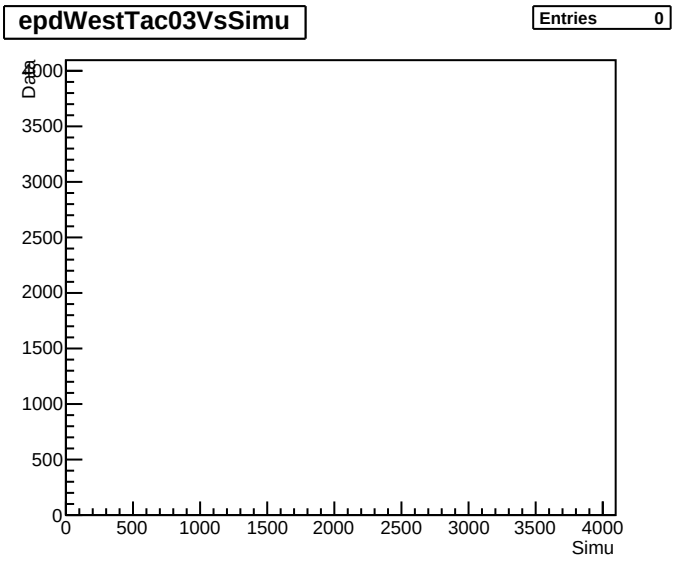

epdEastTac47
Entries 160906


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 160906


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 160906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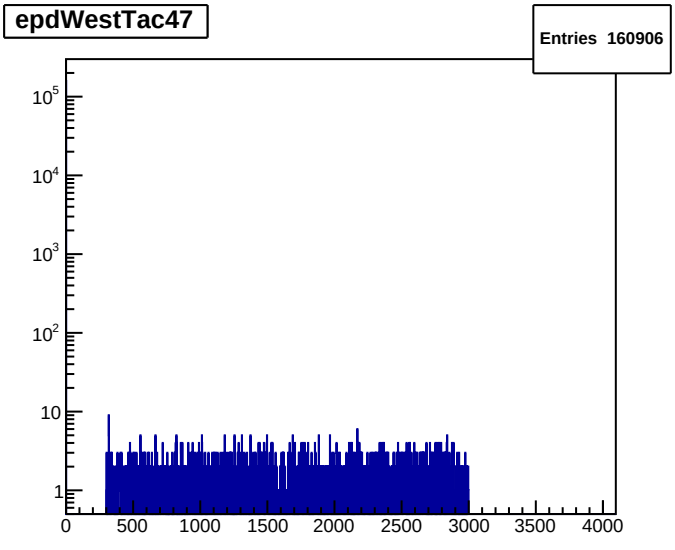
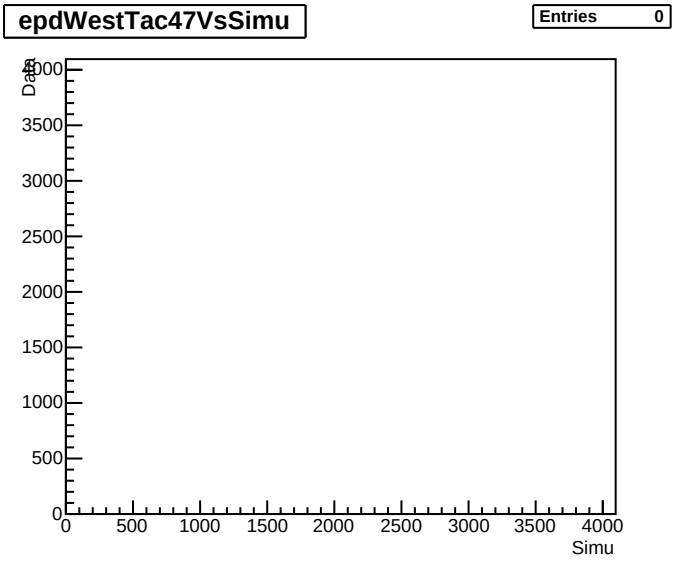
Entries 0
Data
Simu


epdWestTac47
Entries 160906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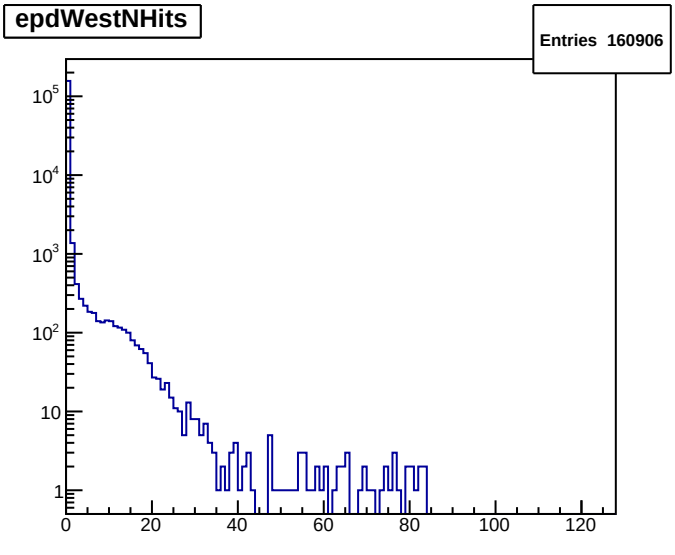
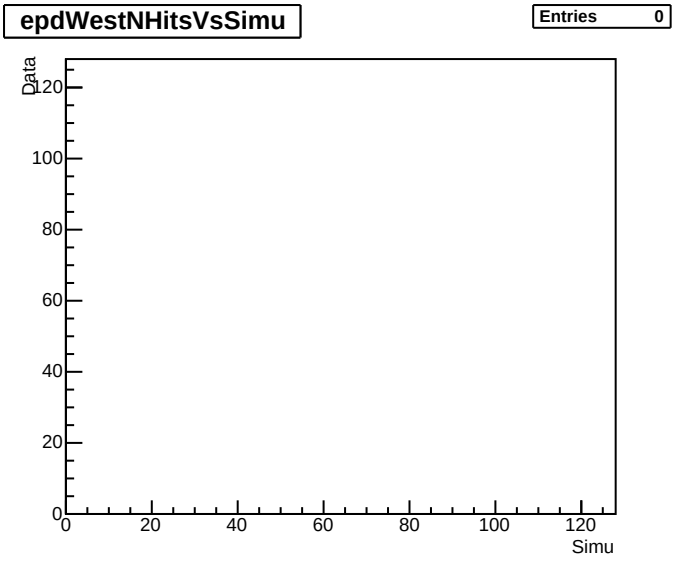
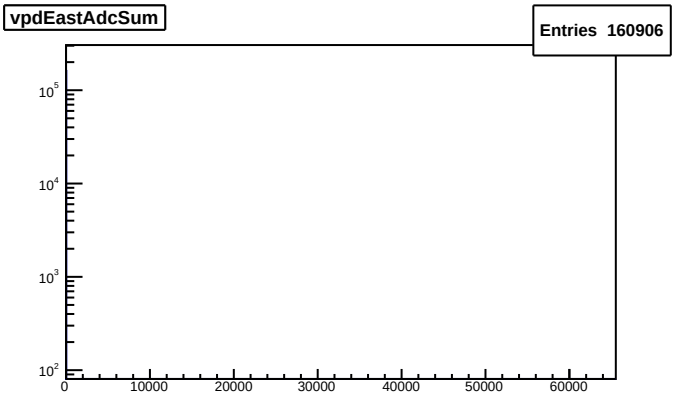
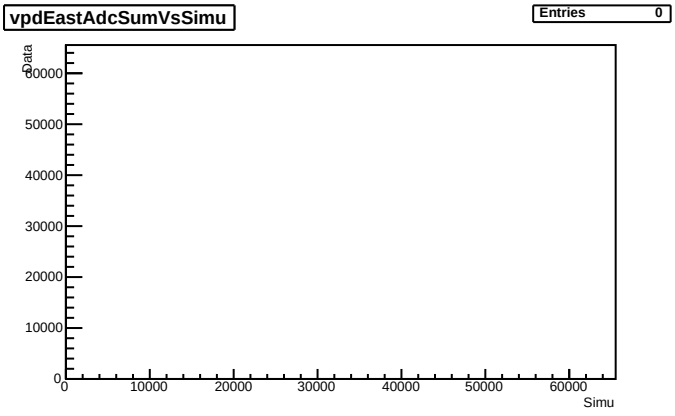
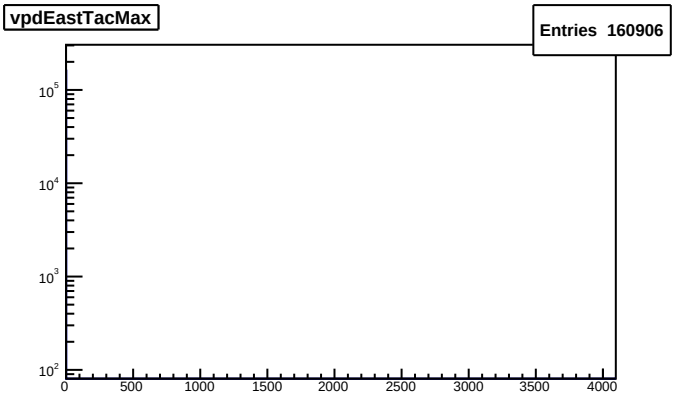
Entries 0
Data
Simu

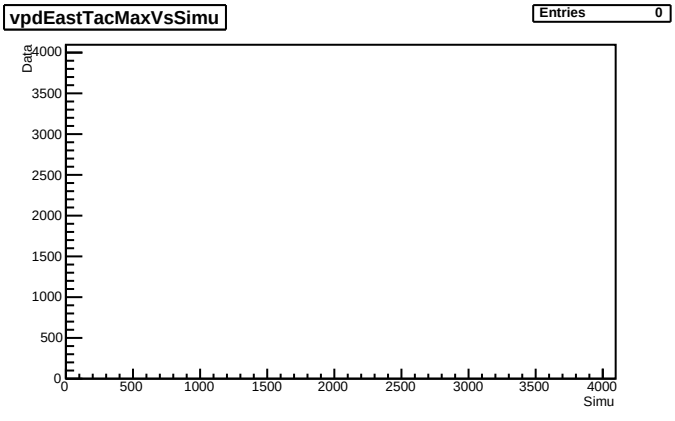

epdWestNHits
Entries 160906


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 160906


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 160906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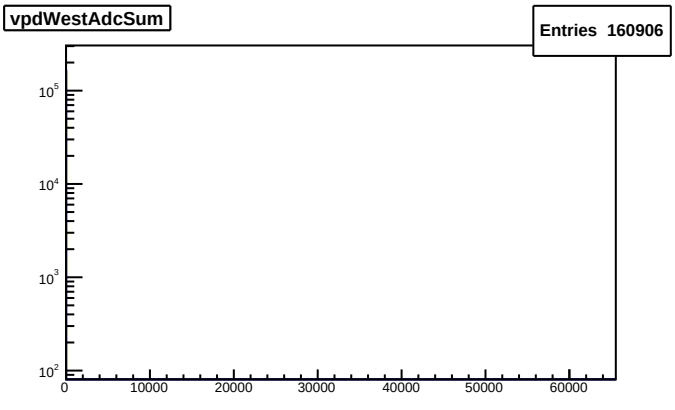
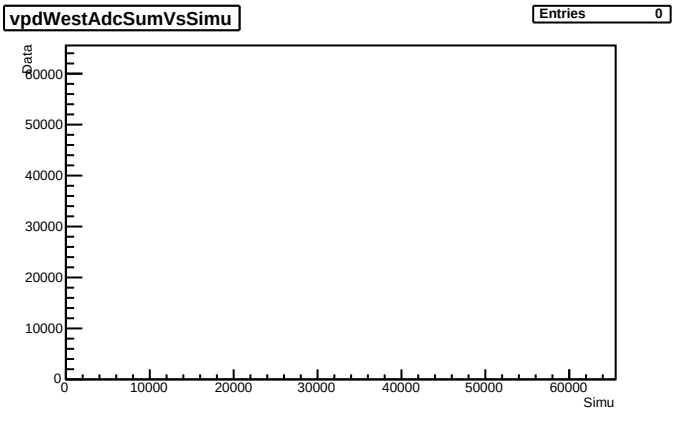
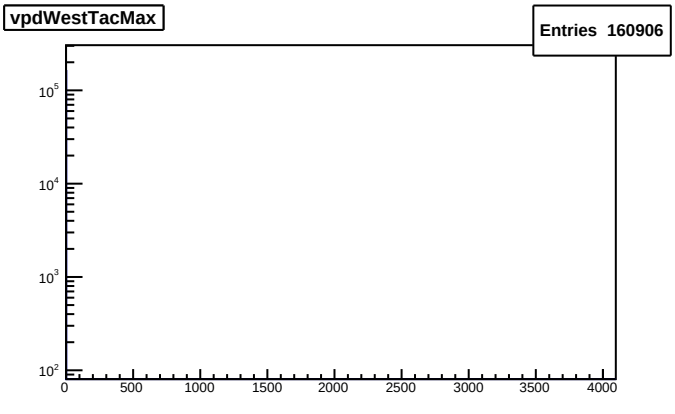
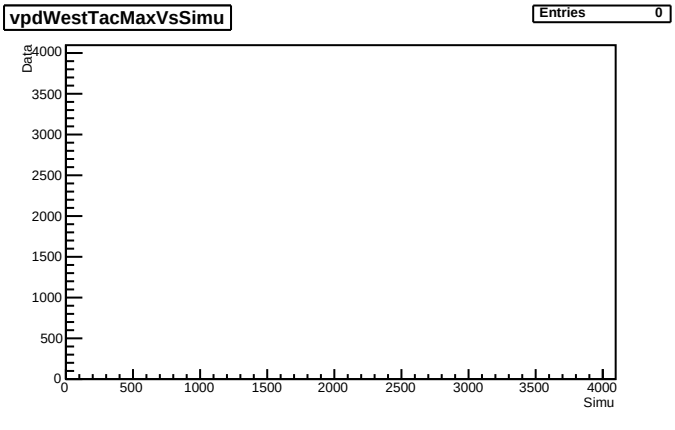
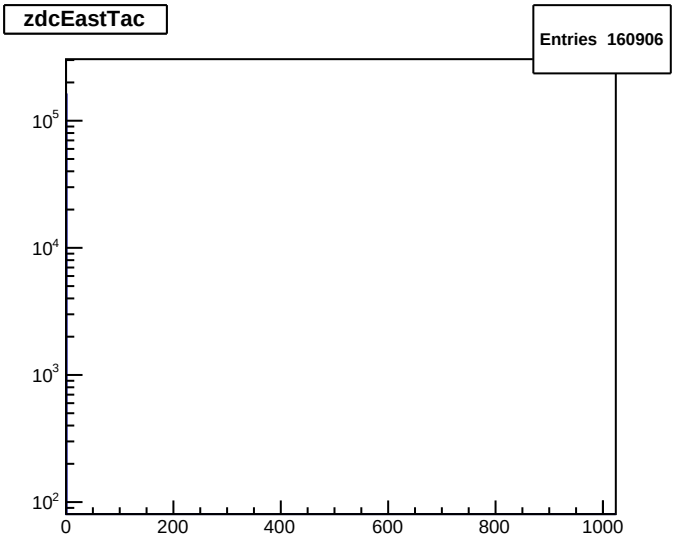
Entries 0
Data
Simu

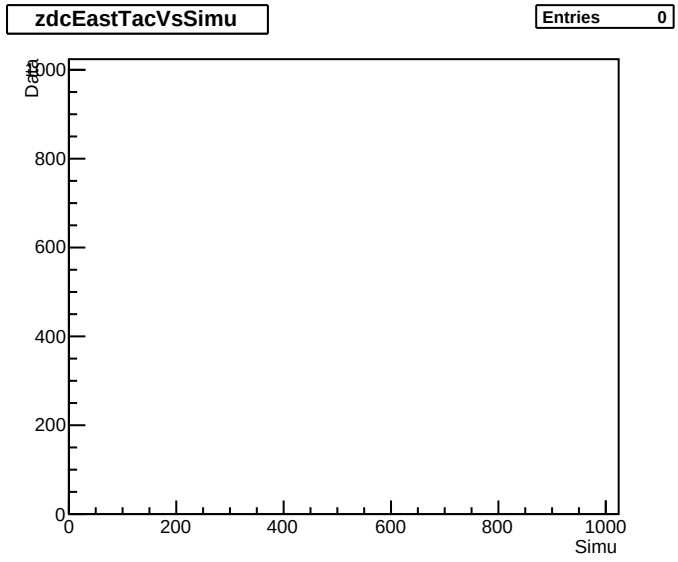

vpdWestAdcSum
Entries 160906

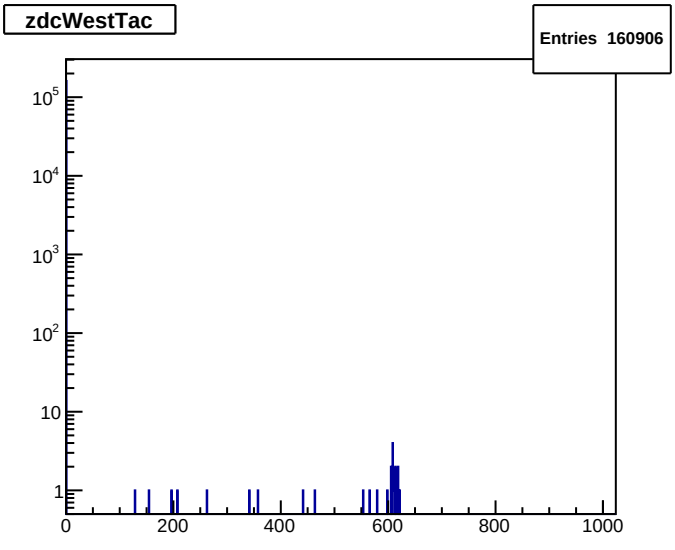

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

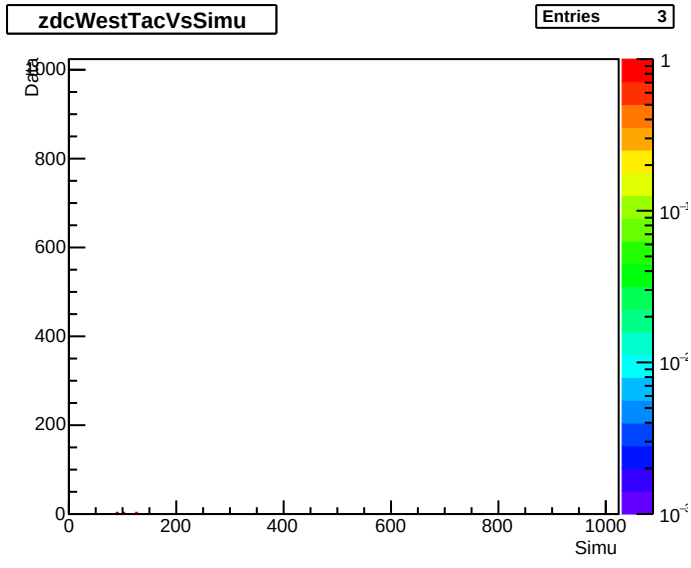

vpdWestTacMax
Entries 160906

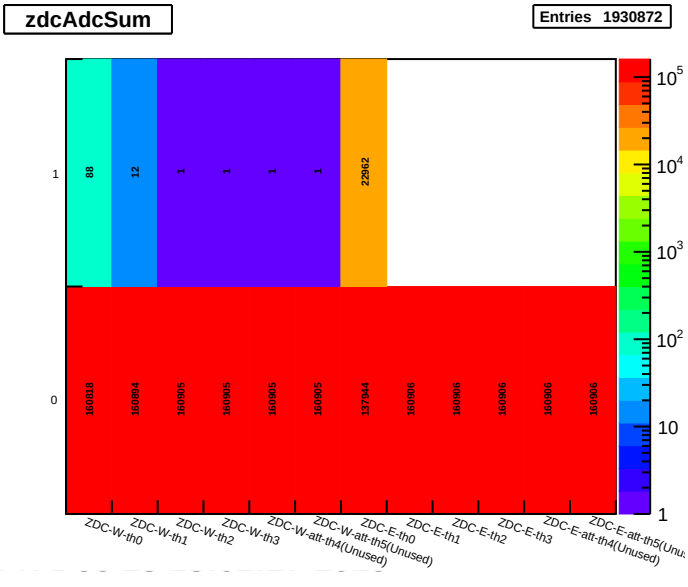

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

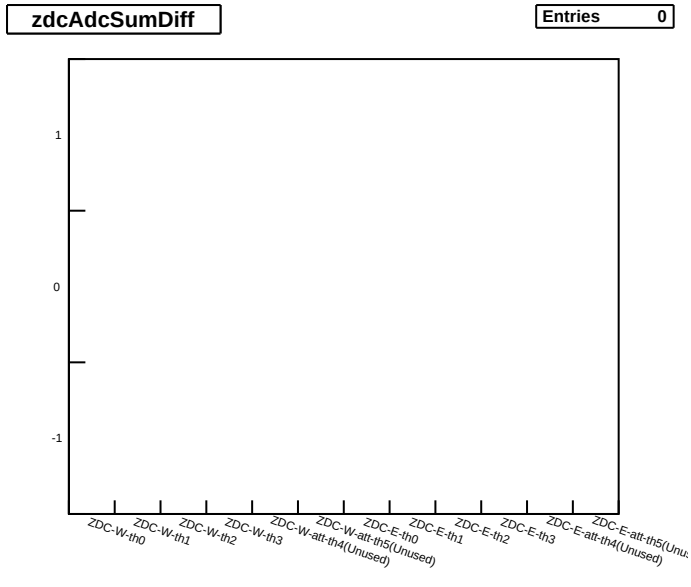

zdcEastTac
Entries 160906
10^5
10^4
10^3
10^2
0
200
400
600
800
1000

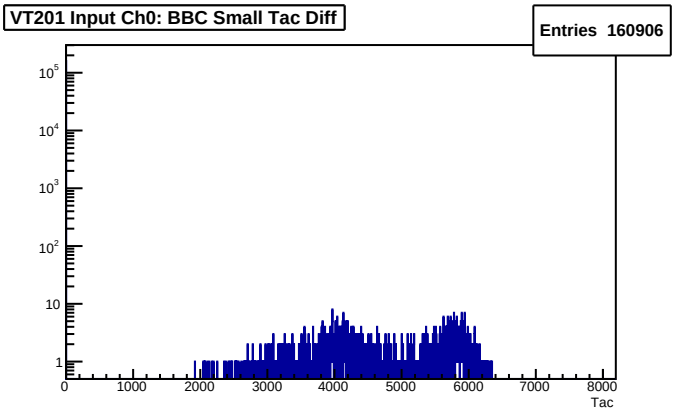

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

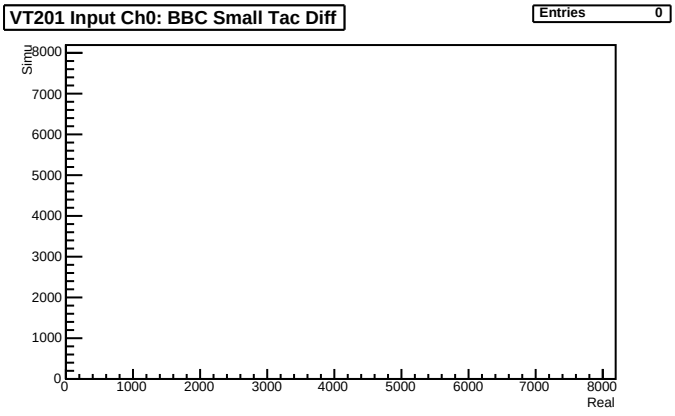

zdcWestTac
Entries 160906
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

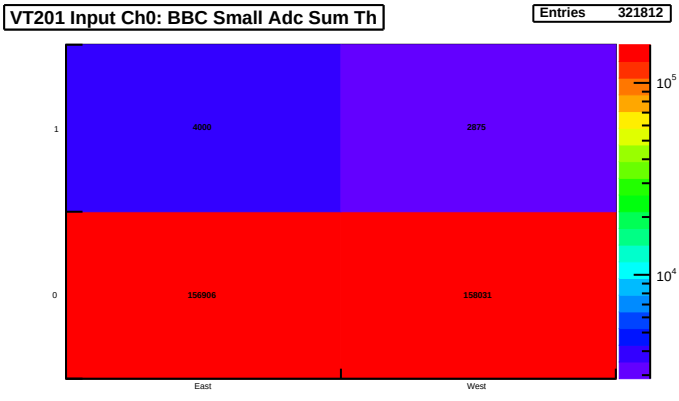

zdcWestTacVsSimu
Entries 3
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu
1

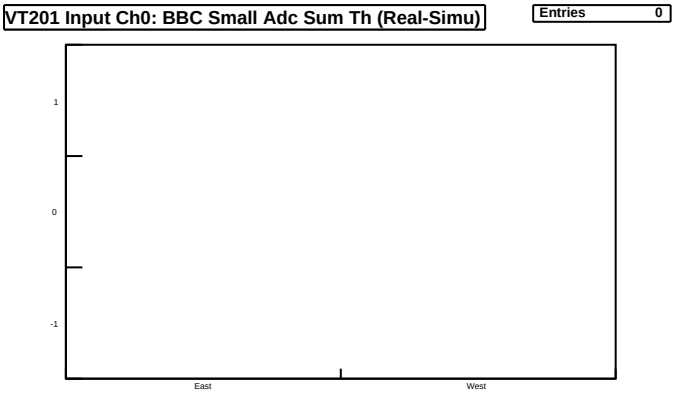

zdcAdcSum
Entries 1930872
1
0
88
12
1
1
1
1
22962
160818
160894
160905
160905
160905
160905
137944
160906
160906
160906
160906
160906
10^5
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

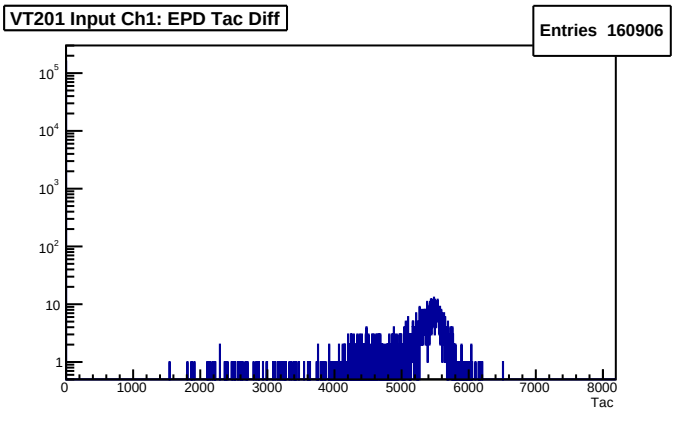

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

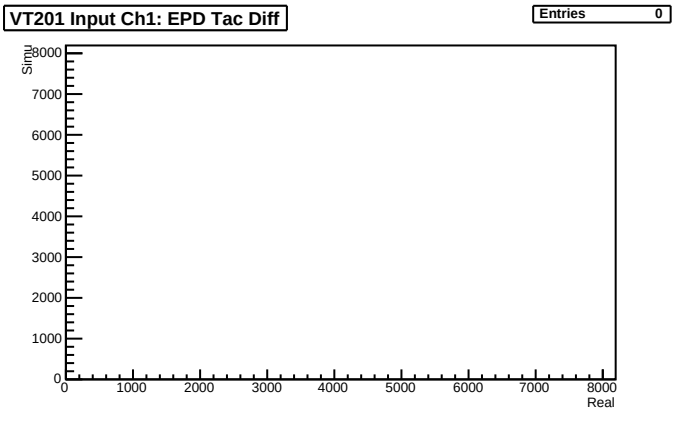

VT201 Input Ch0: BBC Small Tac Diff
Entries 160906
Tac

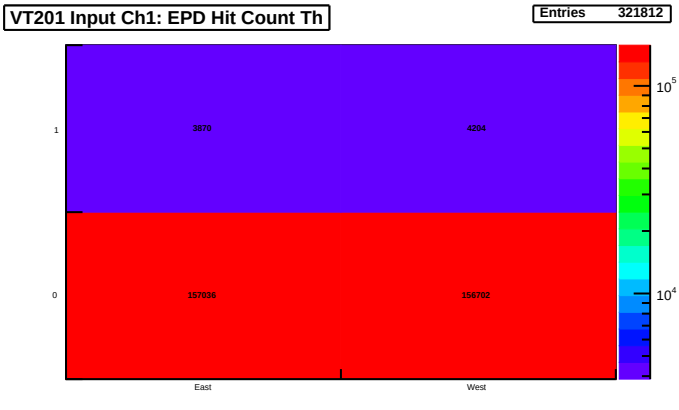

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

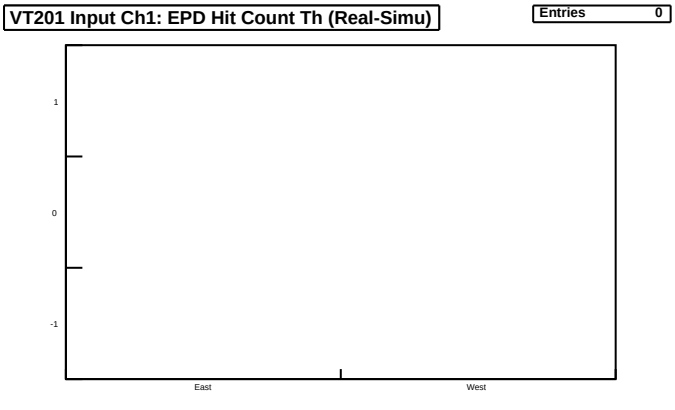

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 321812
4000
2875
156906
158031
East
West

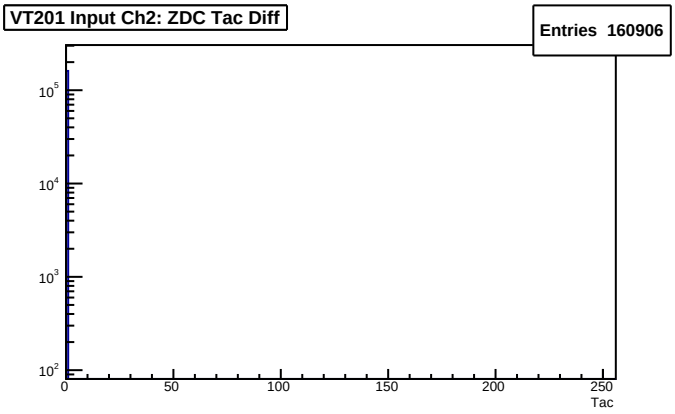

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

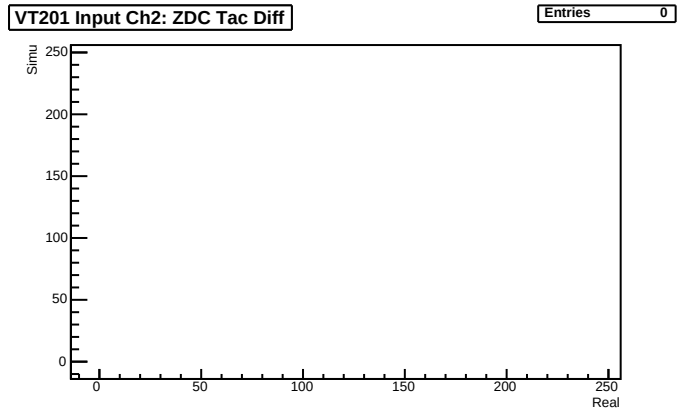

VT201 Input Ch1: EPD Tac Diff
Entries 160906
Tac

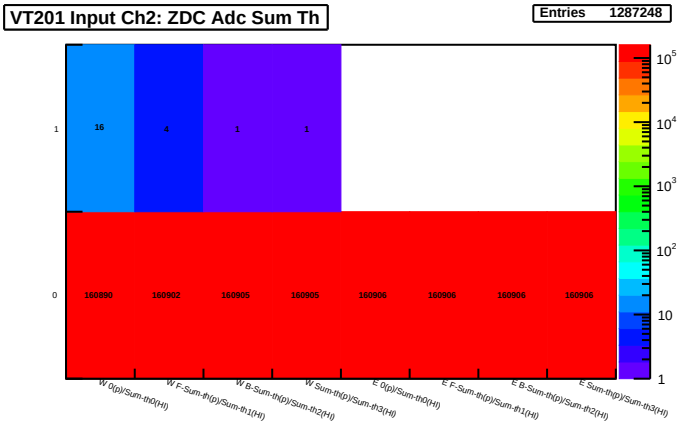

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

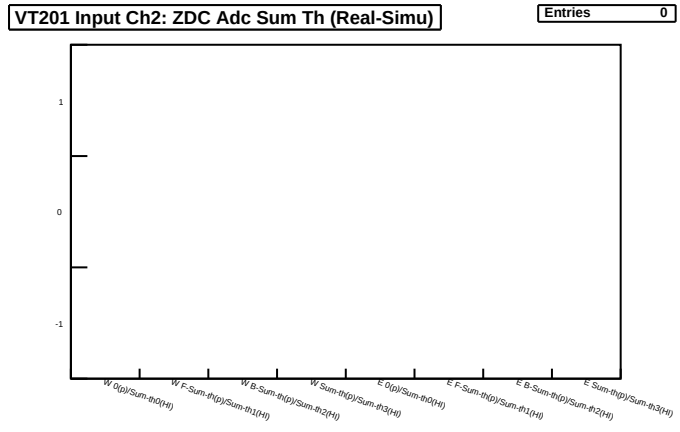

VT201 Input Ch1: EPD Hit Count Th
Entries 321812
3870
4204
157036
156702
East
West

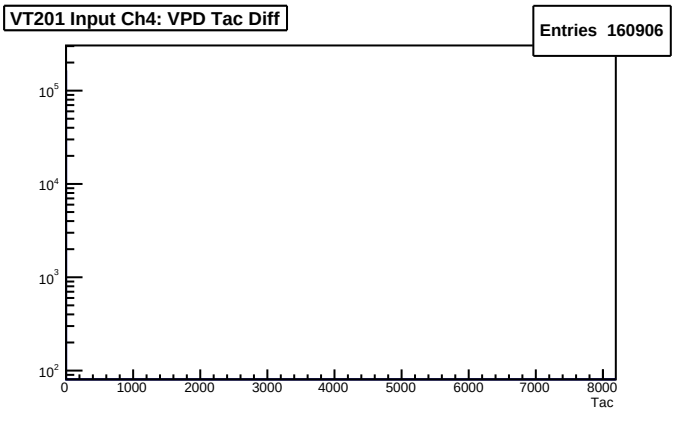

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

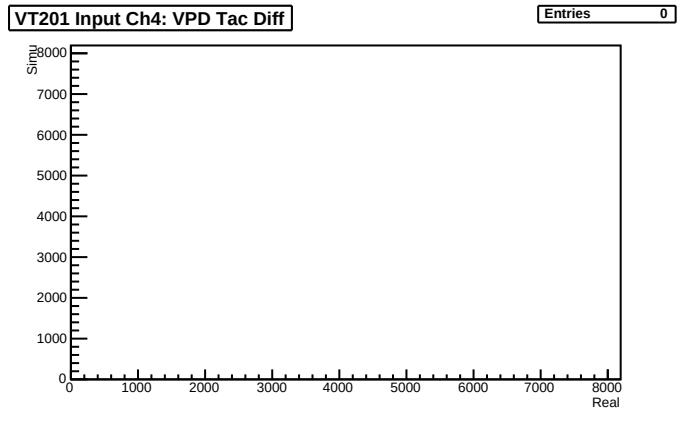

VT201 Input Ch2: ZDC Tac Diff
Entries 160906
Tac

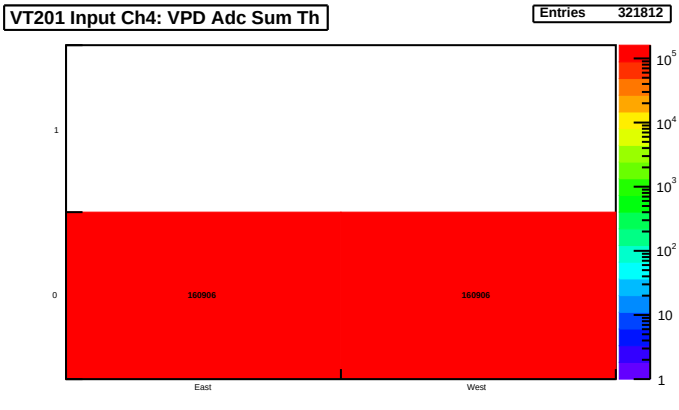

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

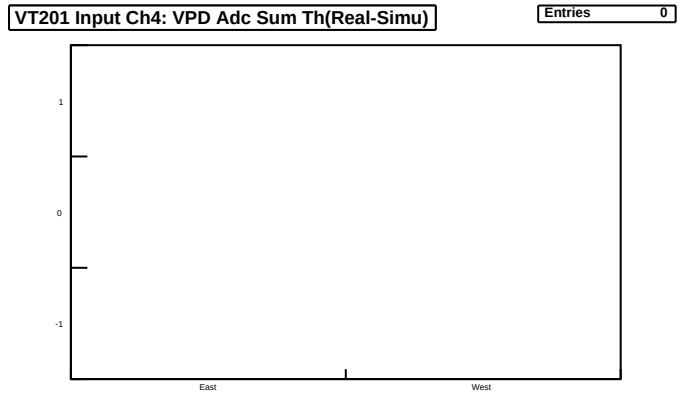

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1287248
16
4
1
1
160890
160902
160905
160905
160906
160906
160906
160906
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

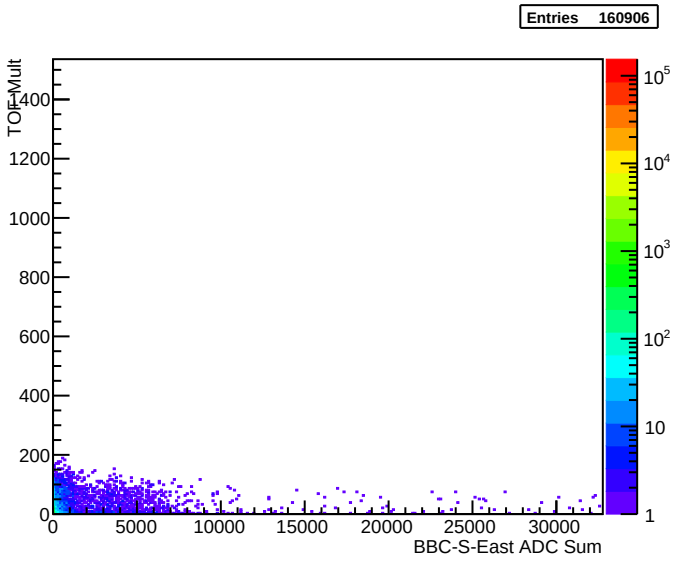

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

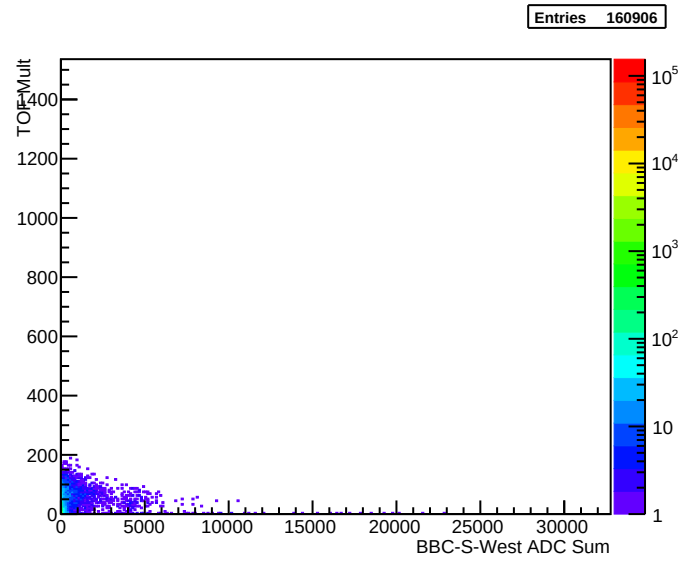

VT201 Input Ch4: VPD Tac Diff
Entries 160906
Tac

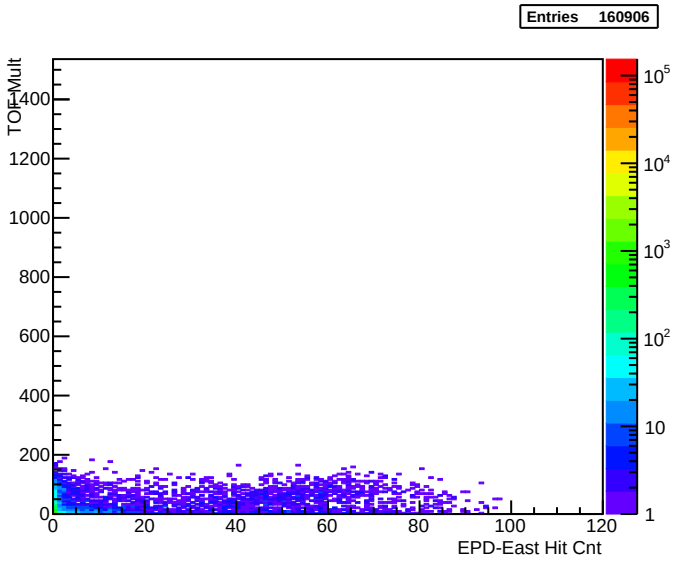

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

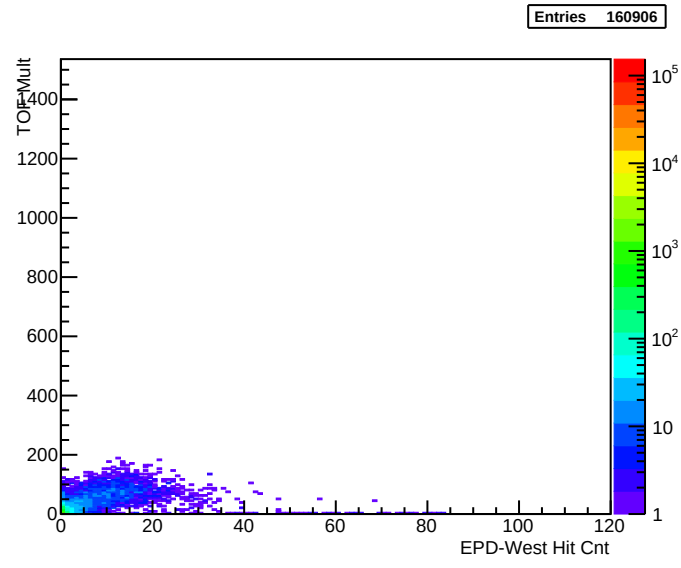

VT201 Input Ch4: VPD Adc Sum Th
Entries 321812
160906
160906
East
West

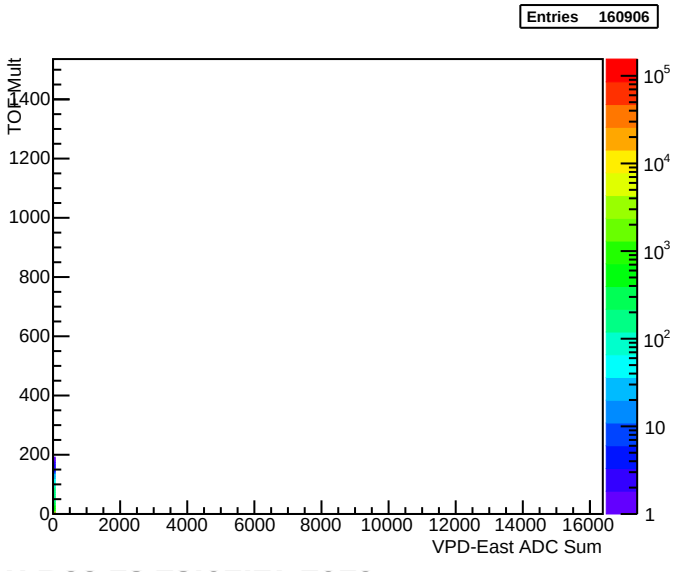

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

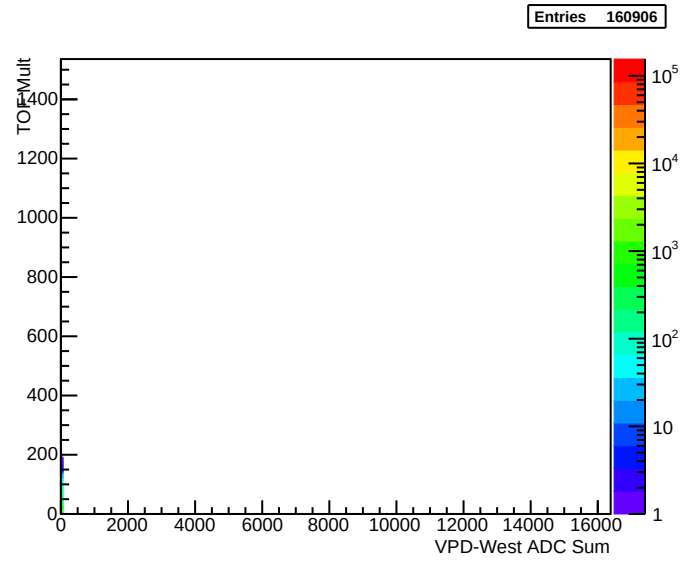

Entries 160906
TOF-Mult
BBC-S-East ADC Sum

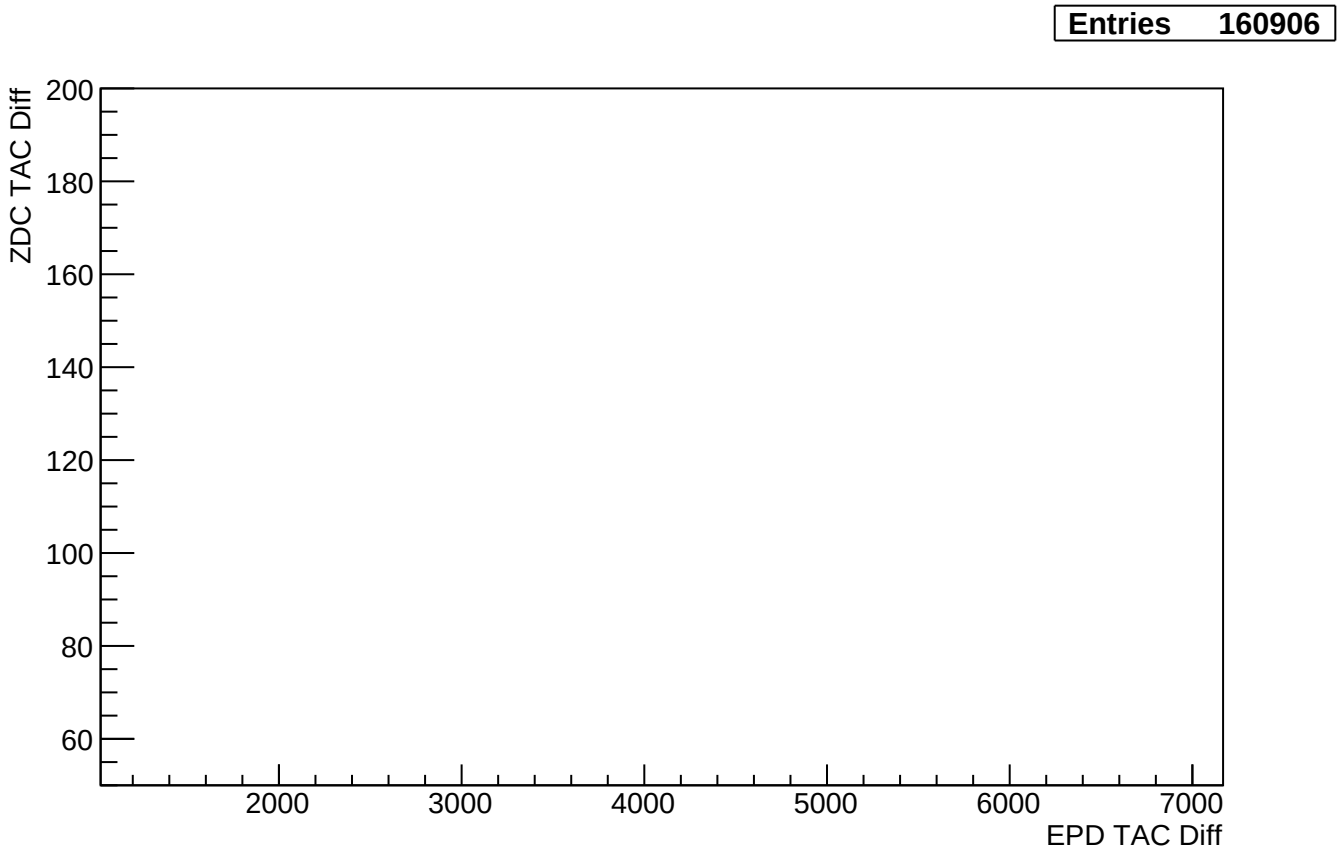

Entries 160906
TOF-Mult
BBC-S-West ADC Sum

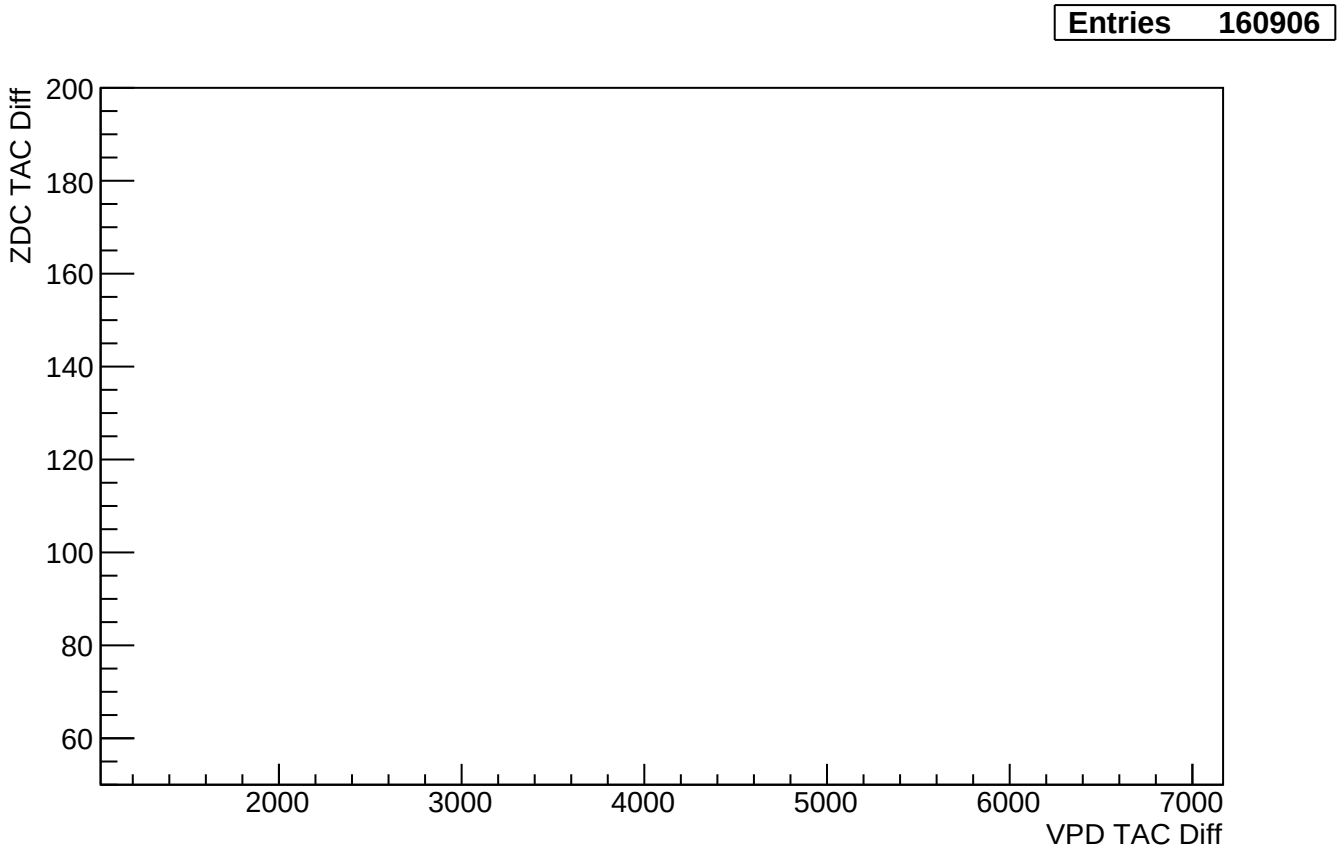

Entries 160906
TOF-Mult
EPD-East Hit Cnt

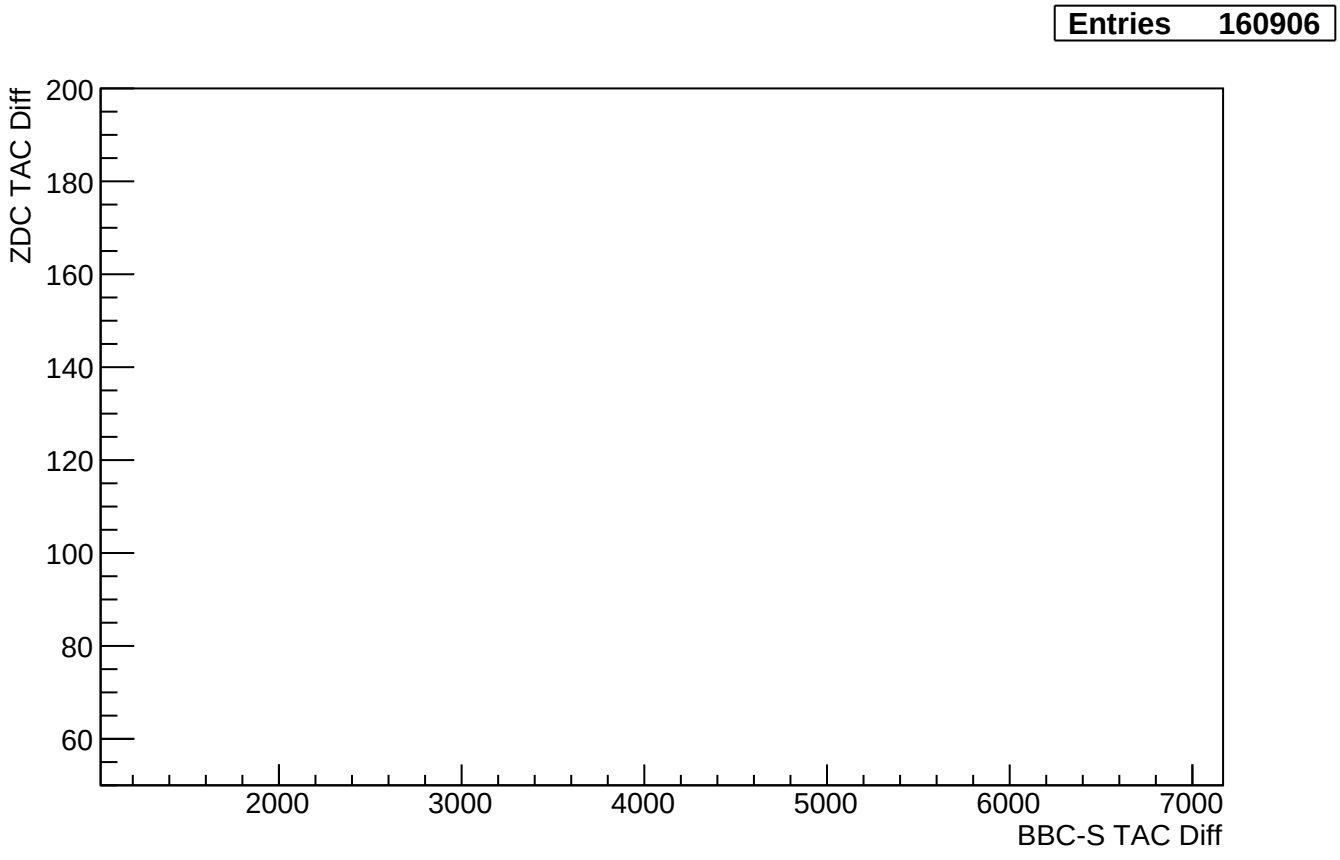

Entries 160906
TOF-Mult
EPD-West Hit Cnt

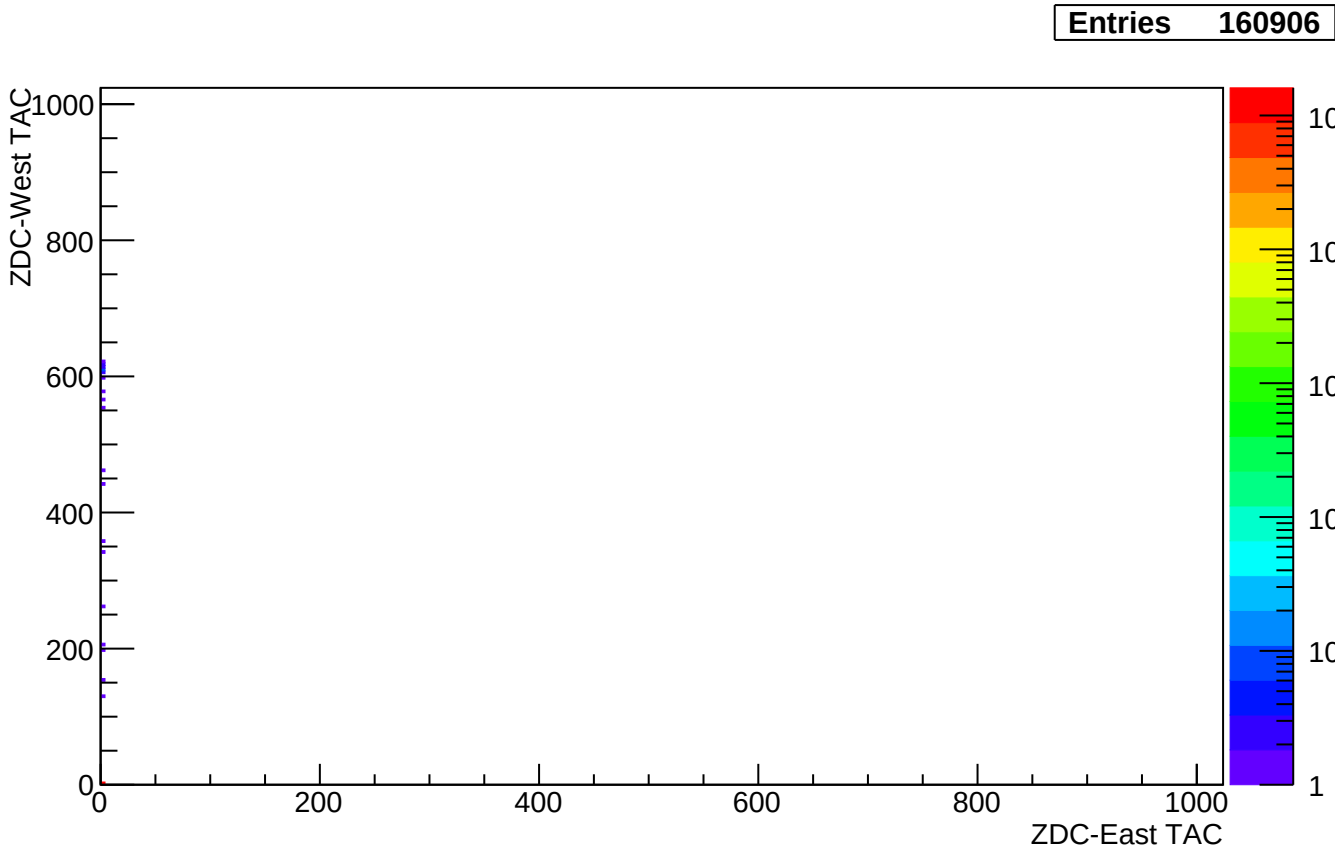

Entries 160906
TOF-Mult
VPD-East ADC Sum

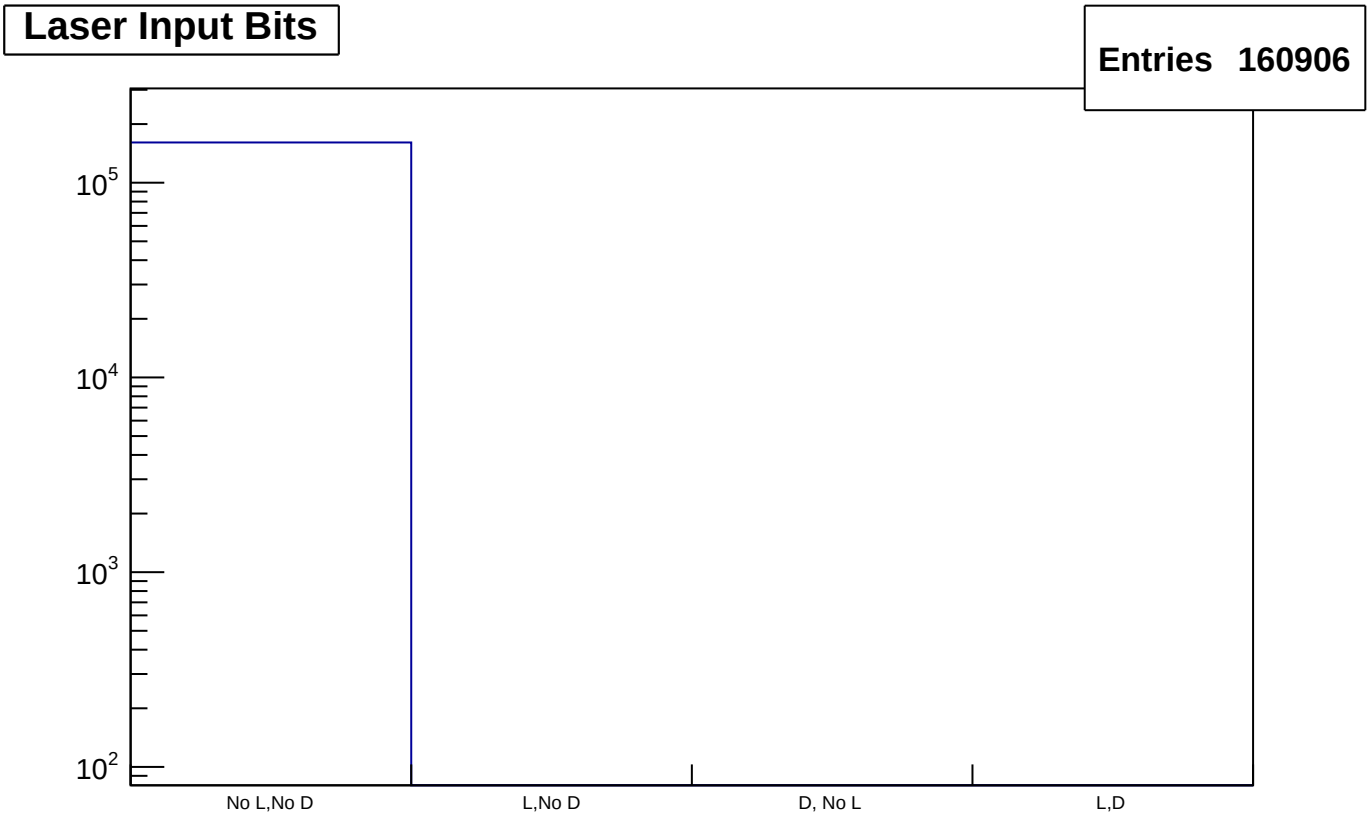

Entries 160906
TOF-Mult
VPD-West ADC Sum

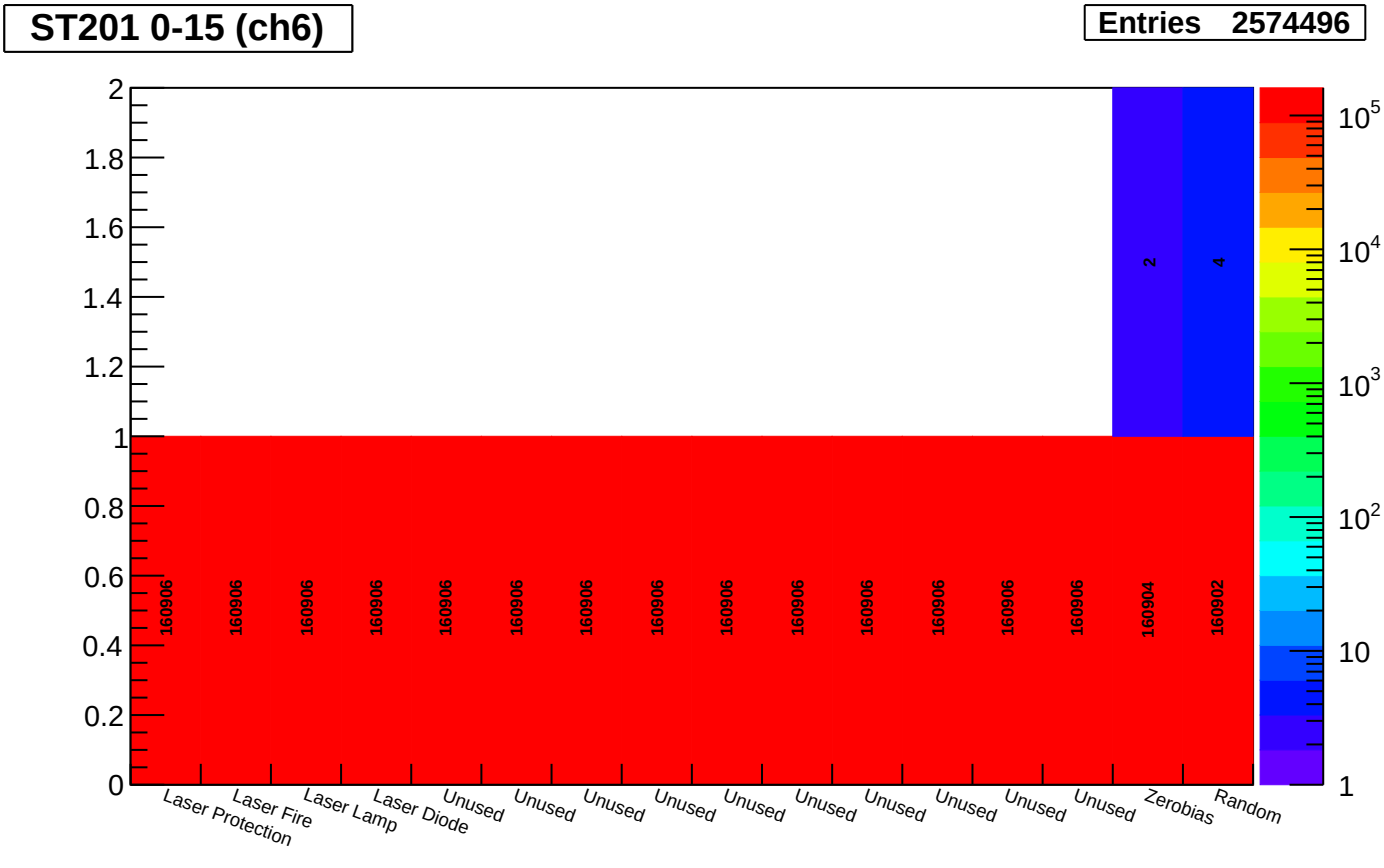

Entries 160906
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff

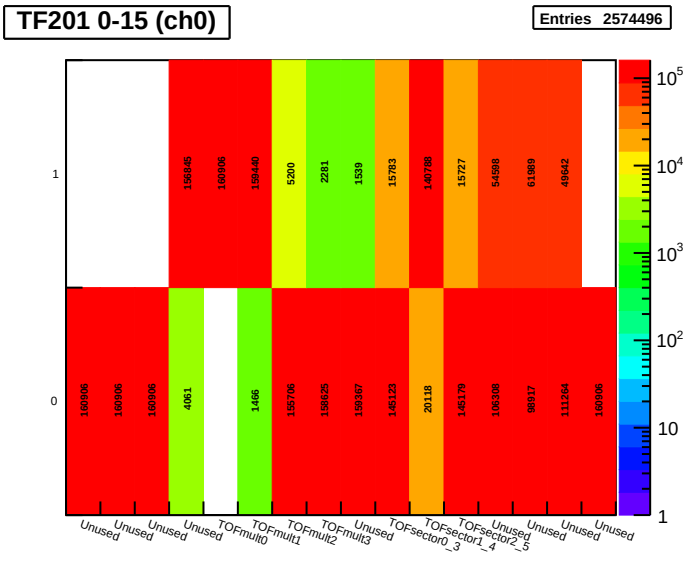

Entries 160906
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff

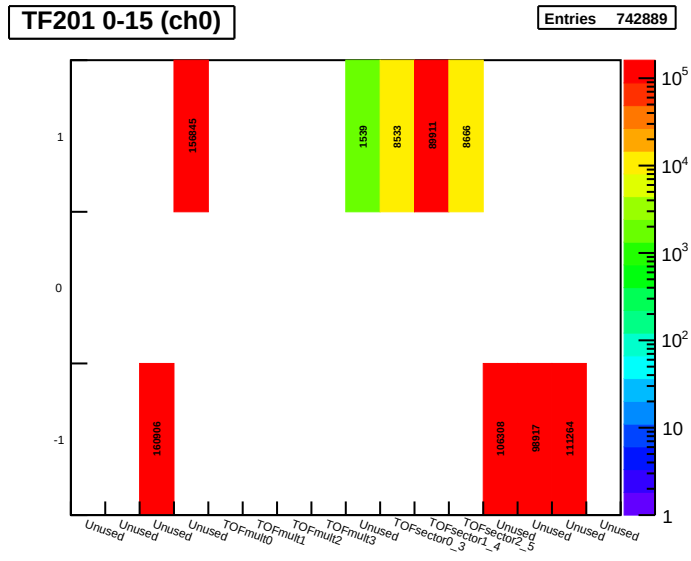

Entries 160906
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff

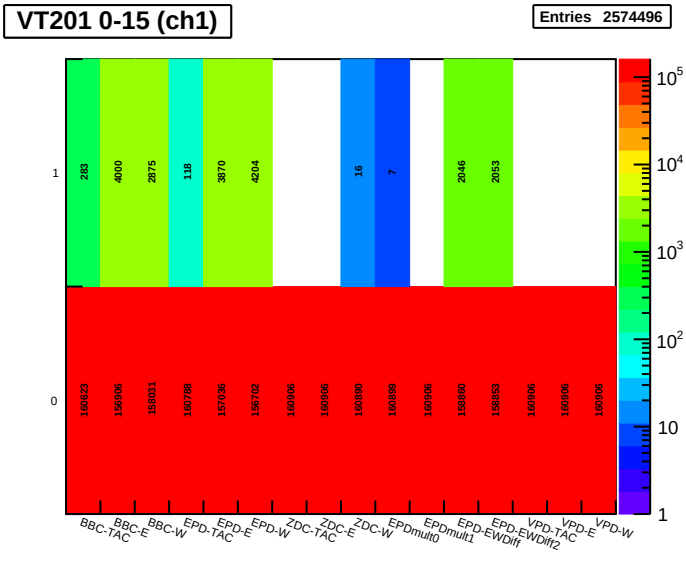

Entries 160906
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

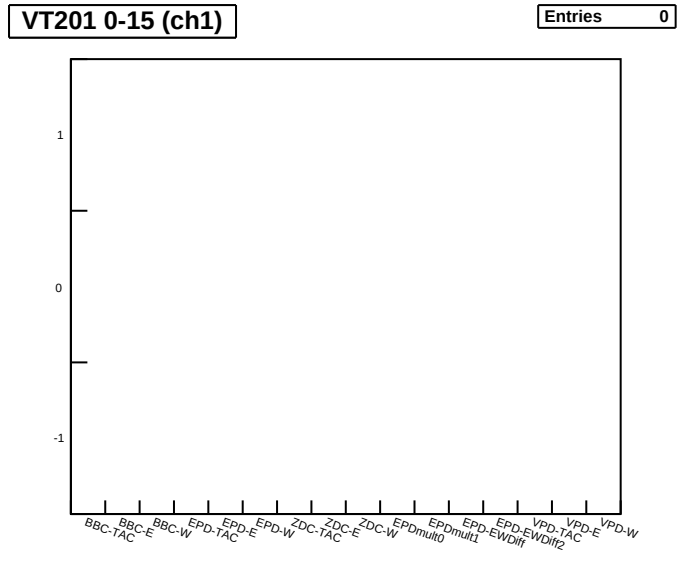

Laser Input Bits
Entries 160906
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

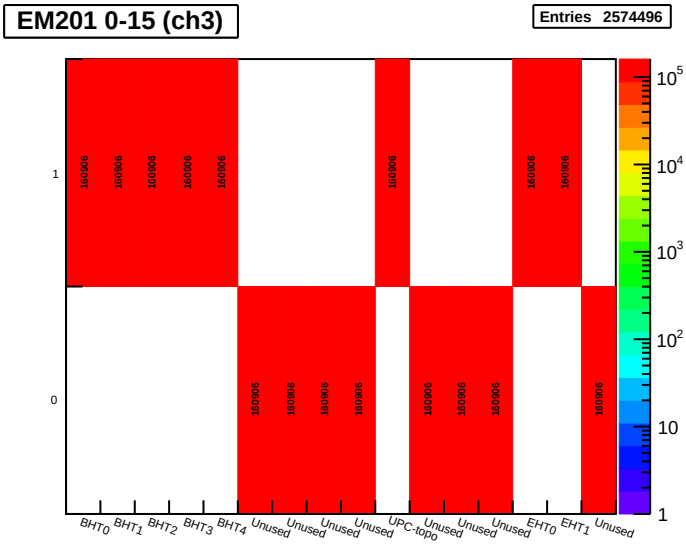

ST201 0-15 (ch6)
Entries 2574496
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
160906
160906
160906
160906
160906
160906
160906
160906
160906
160906
160906
160906
160906
160906
160904
160902
2
4
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

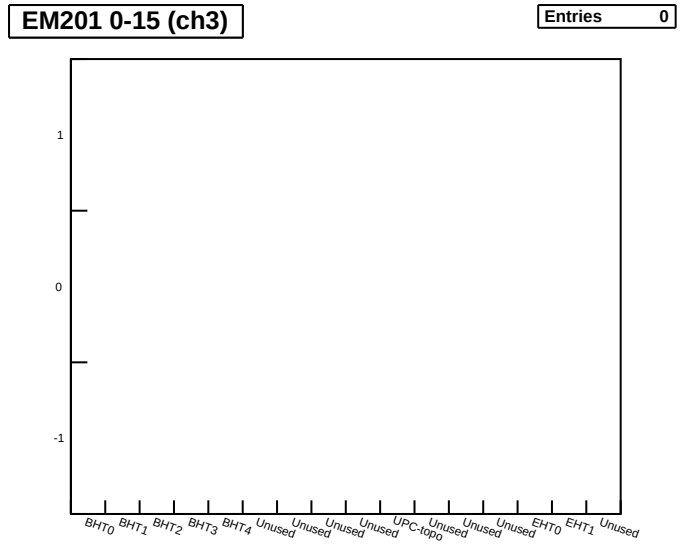

TF201 0-15 (ch0)
Entries 2574496
1
0
156845 160906 159440 5200 2281 1539 15783 140788 15727 54598 61989 49642
160906 160906 160906 4061 1466 155706 158625 159367 145123 20118 145179 106308 98917 111264 160906
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


TF201 0-15 (ch0)
Entries 742889
1
0
-1
158845 1539 8533 89911 8666
160906 106308 98917 111264
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


VT201 0-15 (ch1)
Entries 2574496
1
0
283 4000 2875 118 3870 4204 16 7 2046 2053
160623 158906 158031 160788 157036 156702 160906 160906 160890 160899 160906 158860 158853 160906 160906 160906
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
1 10 10^2 10^3 10^4 10^5


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 2574496
1
0
160906 160906 160906 160906 160906 160906 160906
160906 160906 160906 160906 160906 160906 160906 160906
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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