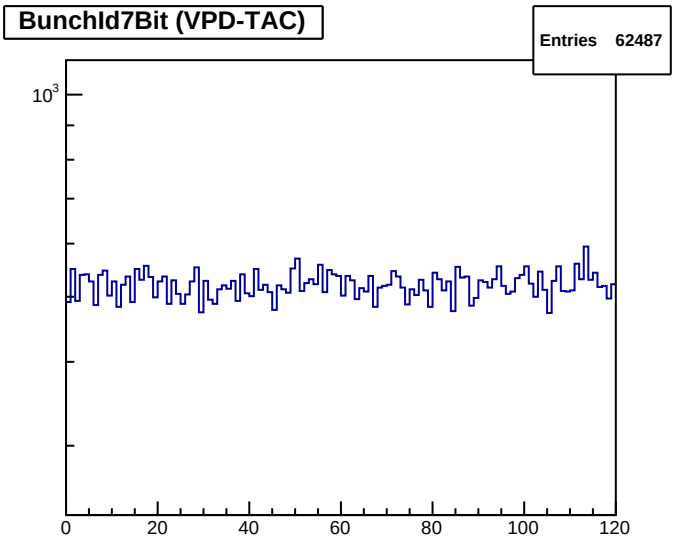
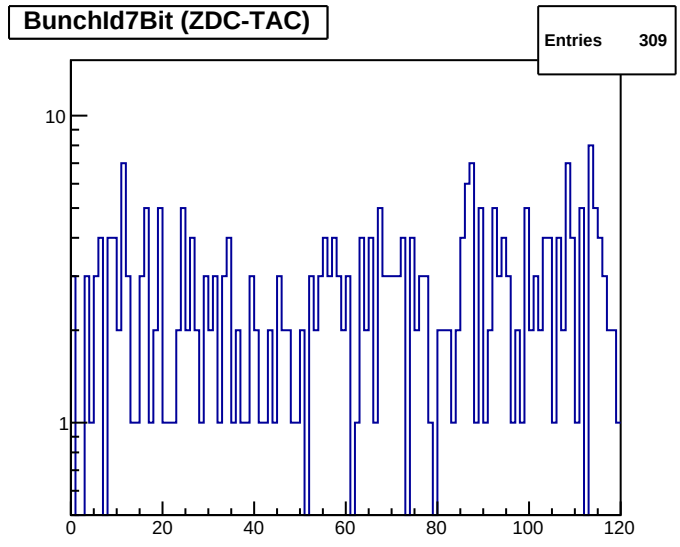
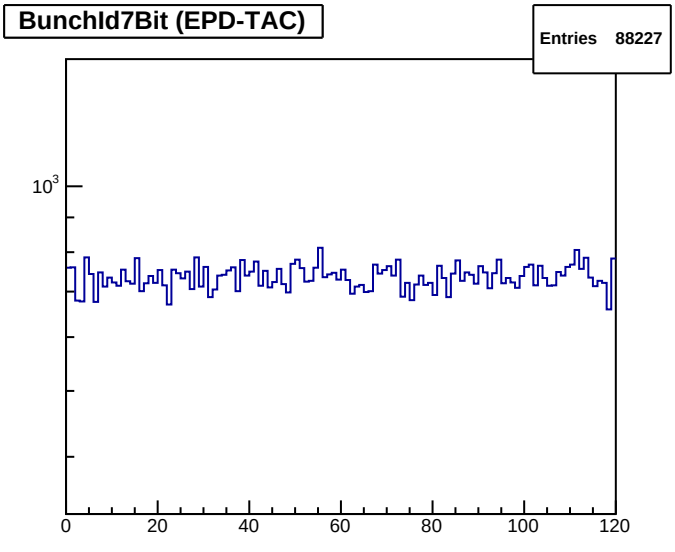
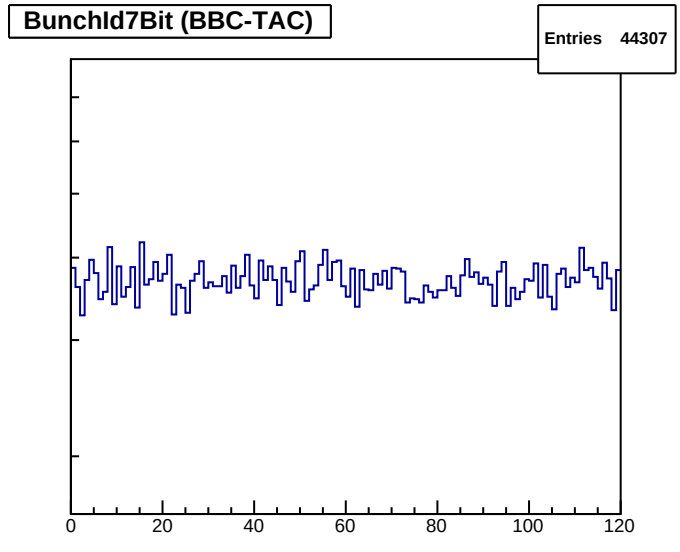
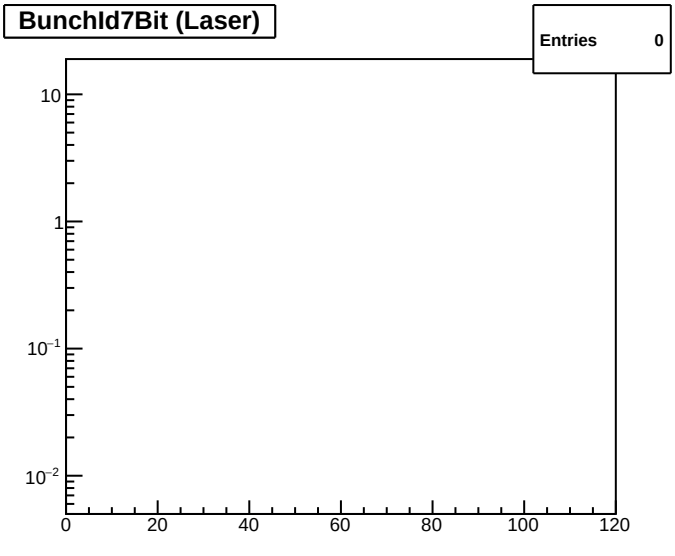
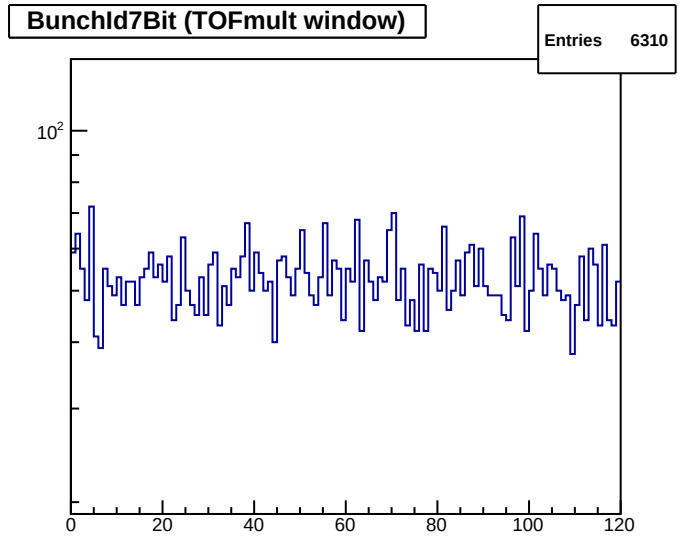

BunchId7Bit (VPD-TAC)
Entries 62487
10^3
0 20 40 60 80 100 120

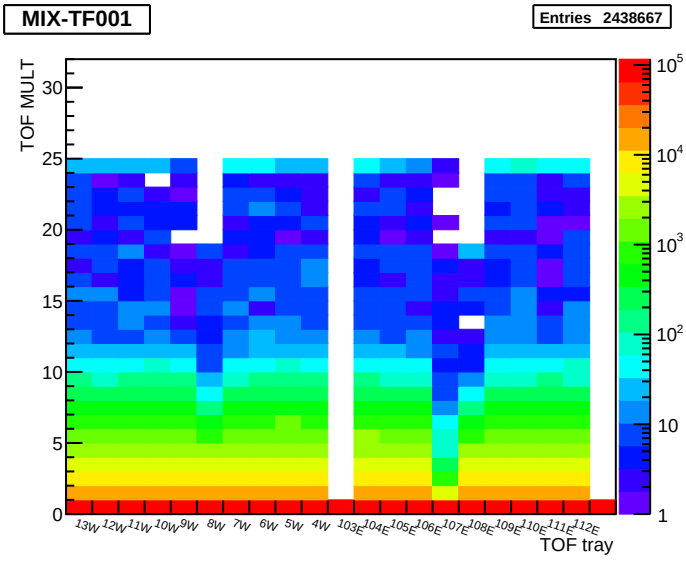

BunchId7Bit (ZDC-TAC)
Entries 309
10
1
0 20 40 60 80 100 120

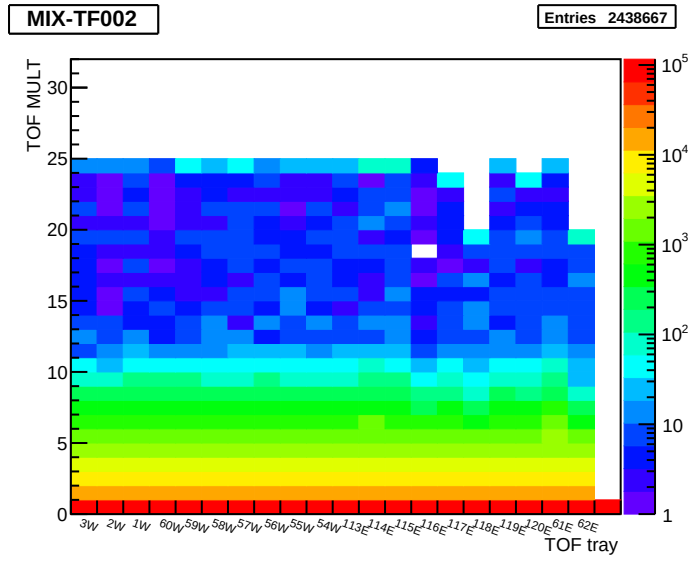

BunchId7Bit (EPD-TAC)
Entries 88227
10^3
0 20 40 60 80 100 120

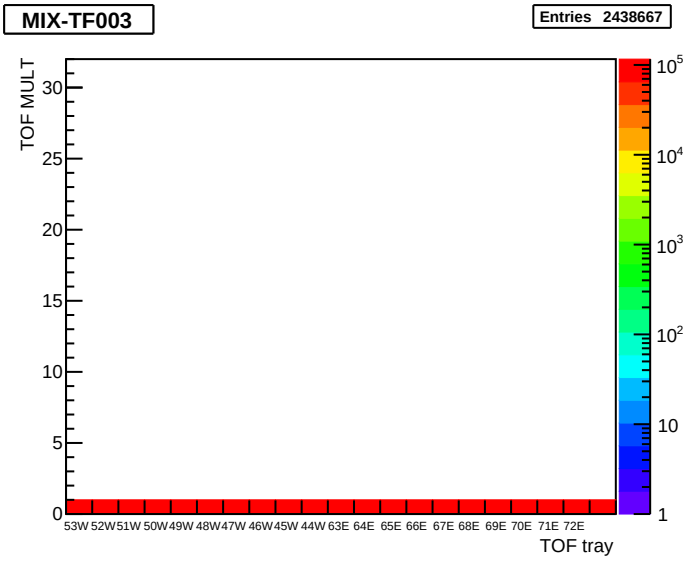

BunchId7Bit (BBC-TAC)
Entries 44307
0 20 40 60 80 100 120

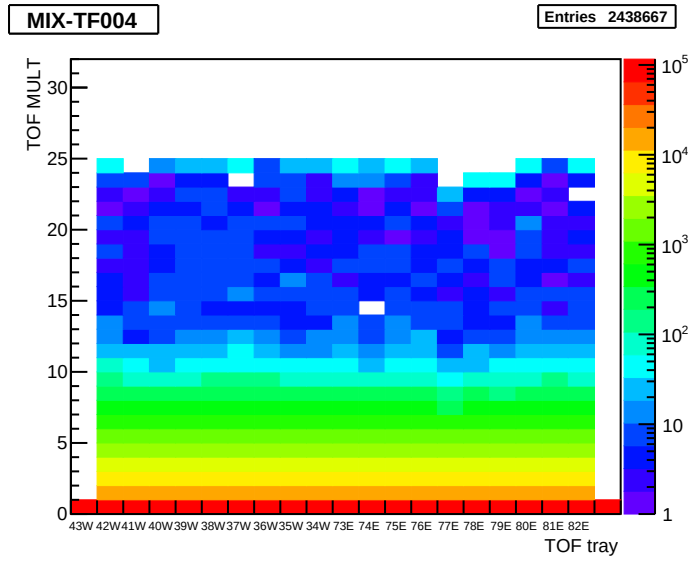

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

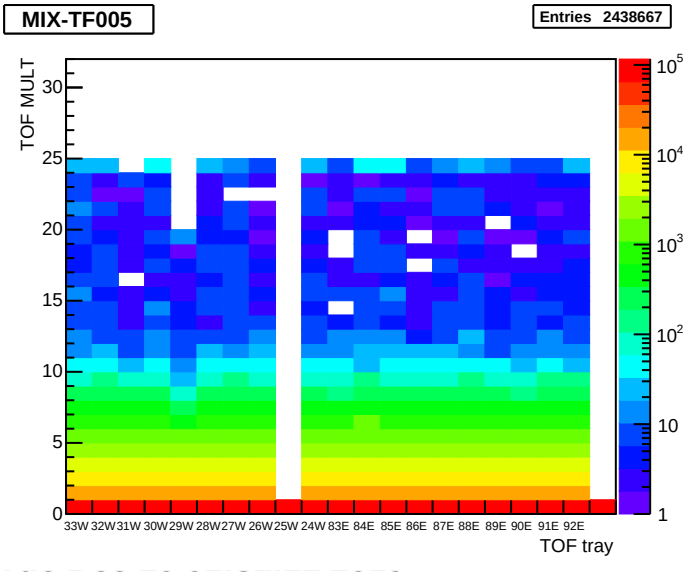

BunchId7Bit (TOFmult window)
Entries 6310
10^2
0 20 40 60 80 100 120

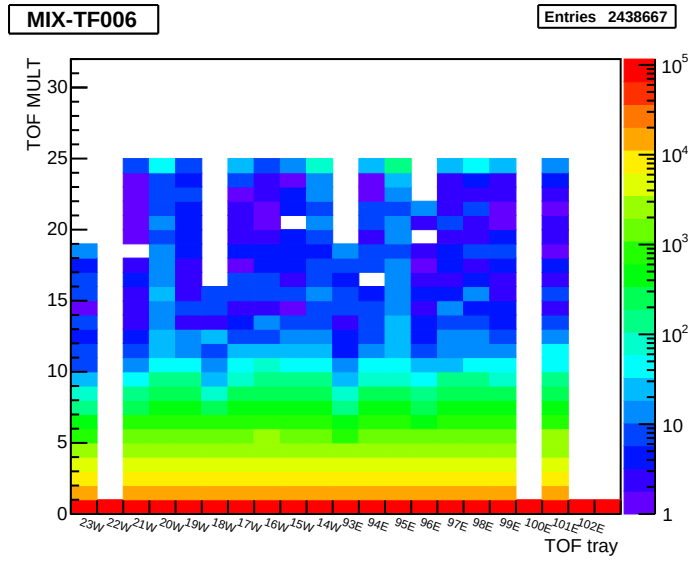

MIX-TF001
Entries 2438667
TOF MULT
TOF tray

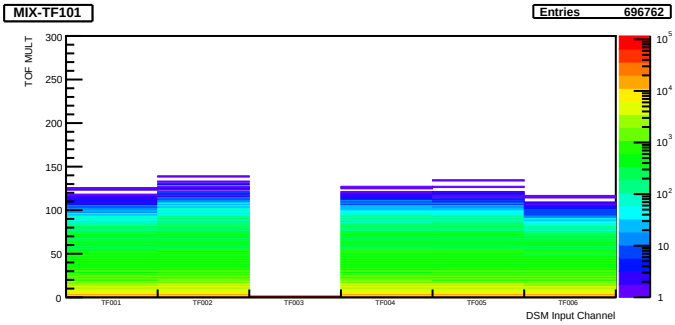

MIX-TF002
Entries 2438667
TOF MULT
TOF tray

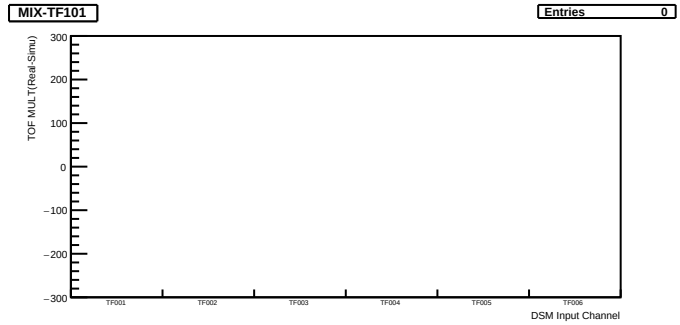

MIX-TF003
Entries 2438667
TOF MULT
TOF tray

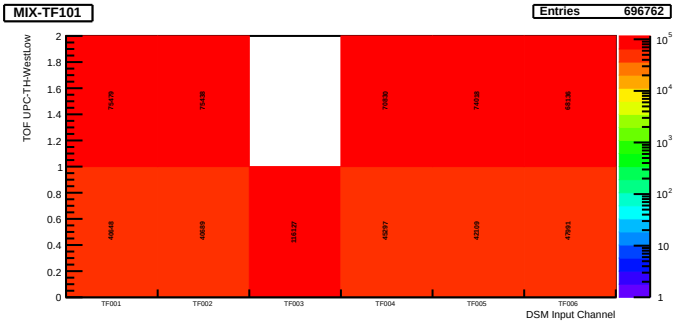

MIX-TF004
Entries 2438667
TOF MULT
TOF tray

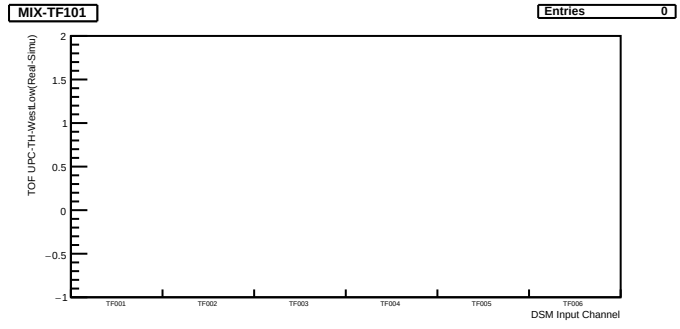

MIX-TF005
Entries 2438667
TOF MULT
TOF tray

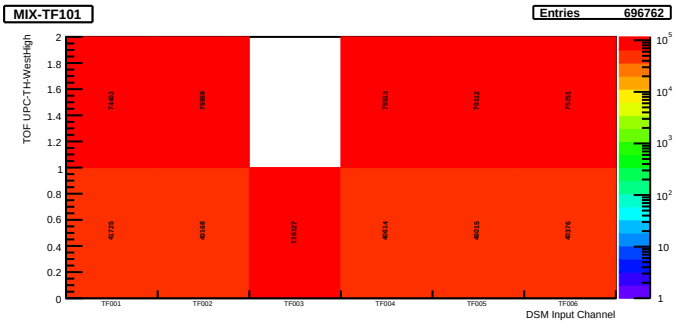

MIX-TF006
Entries 2438667
TOF MULT
TOF tray

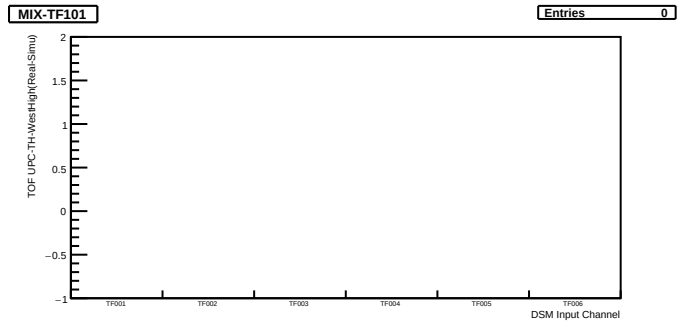

MIX-TF101
Entries 696762
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

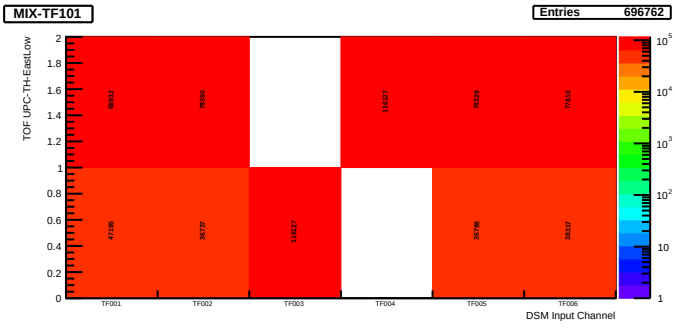

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

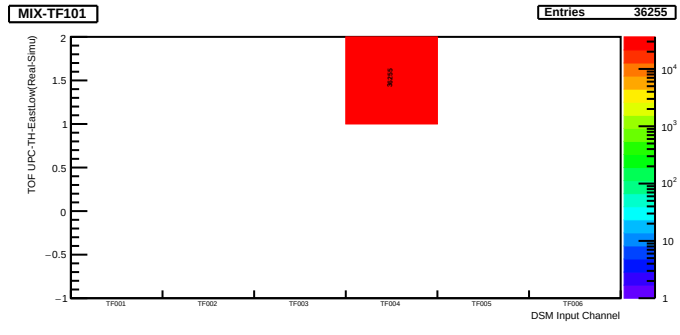

MIX-TF101
Entries 696762
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

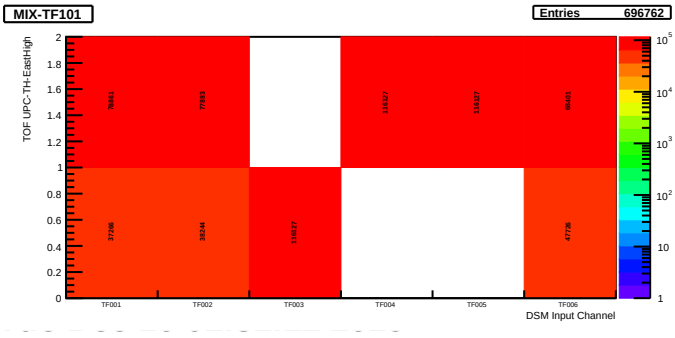

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

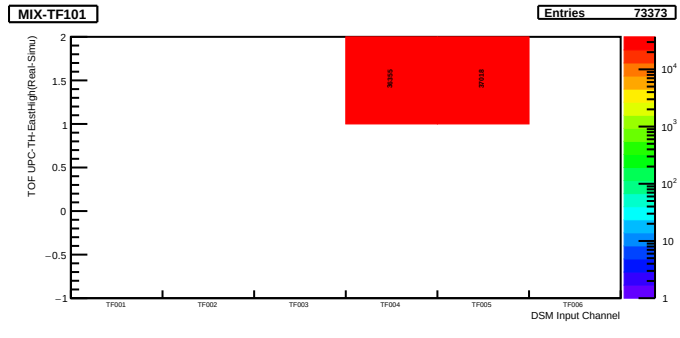

MIX-TF101
Entries 696762
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

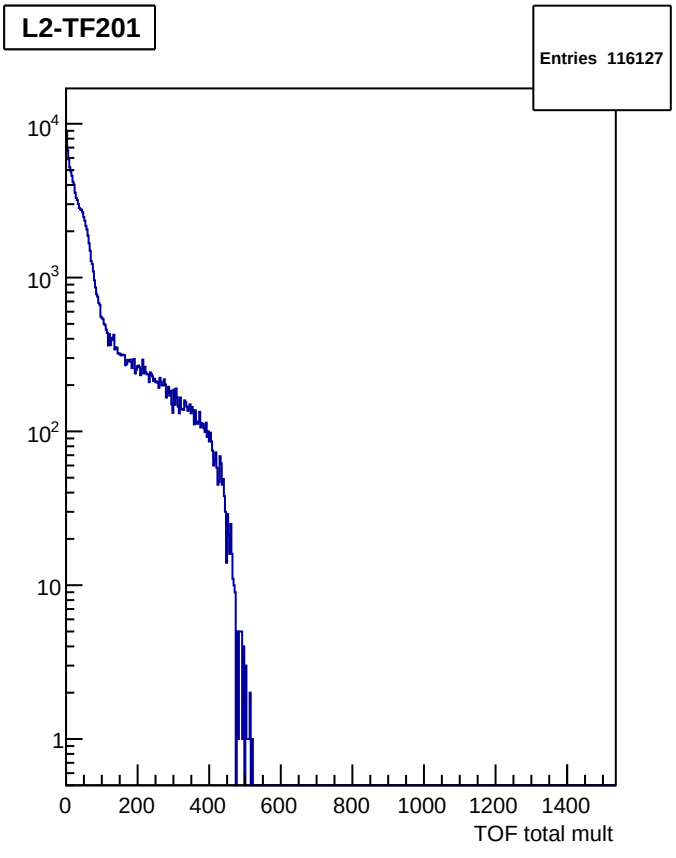

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

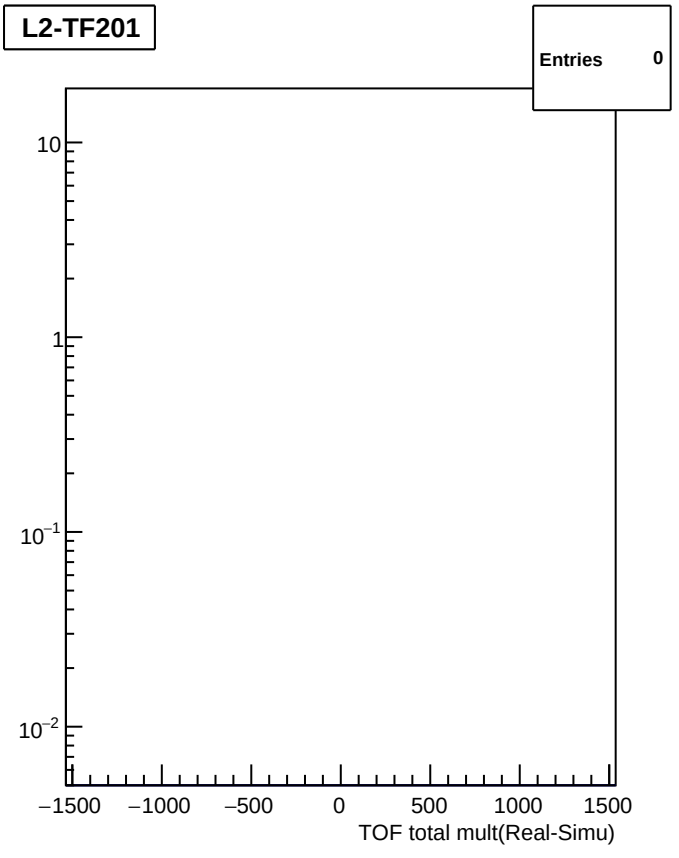

MIX-TF101
Entries 696762
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

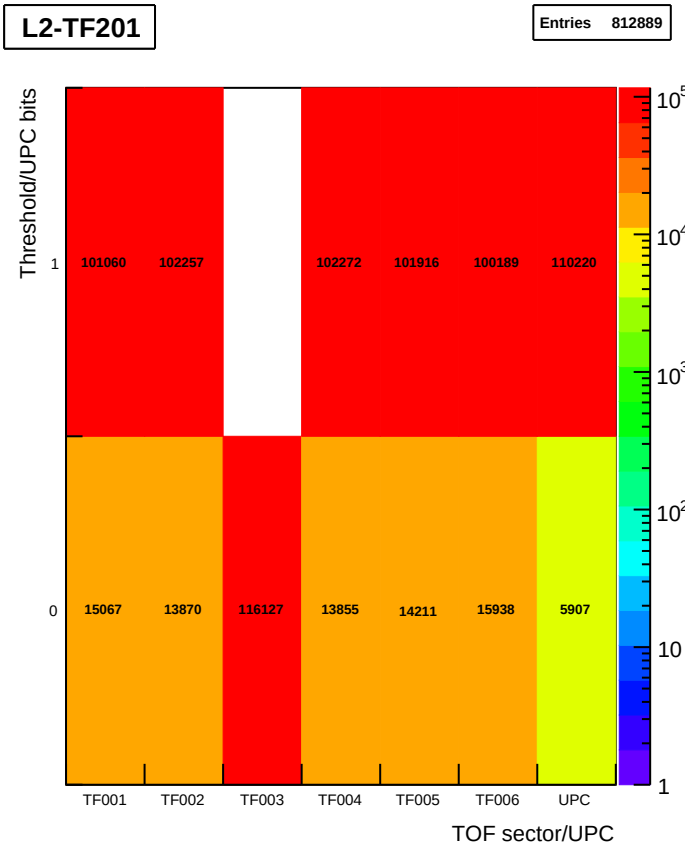

MIX-TF101
Entries 36255
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

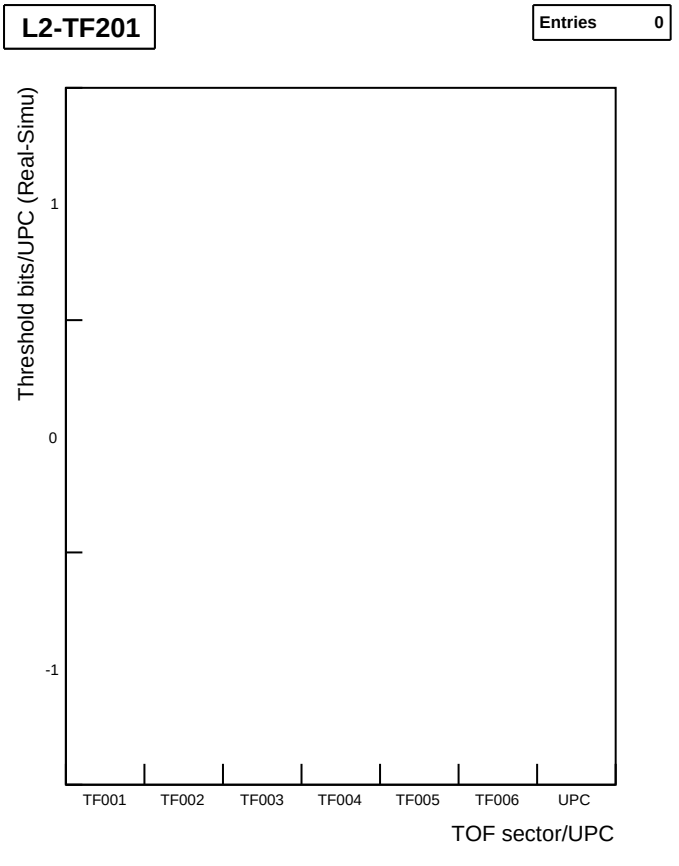

MIX-TF101
Entries 696762
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

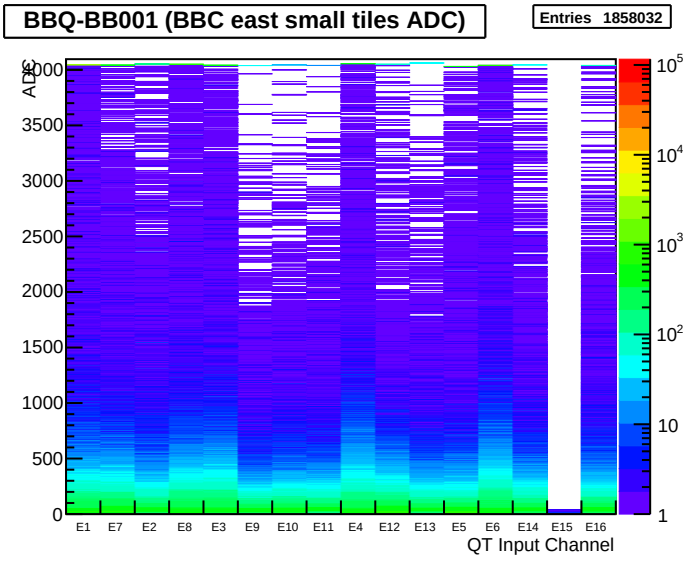

MIX-TF101
Entries 73373
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

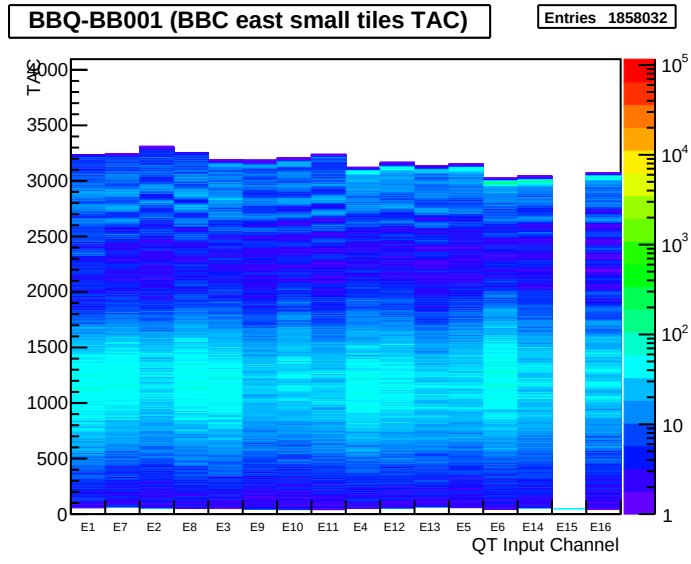

L2-TF201
Entries 116127
TOF total mult

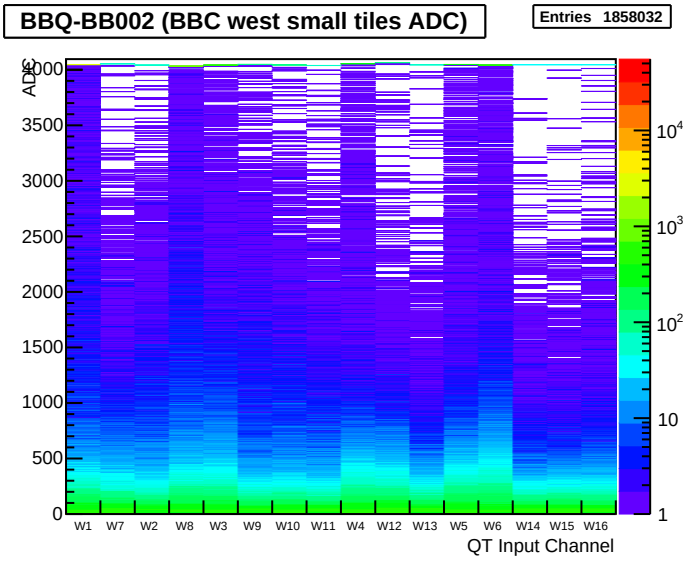

L2-TF201
Entries 0
TOF total mult(Real-Simu)

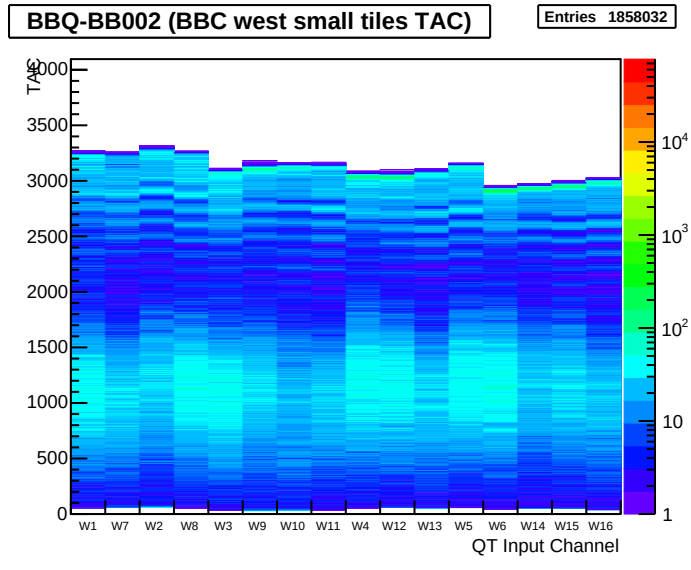

L2-TF201
Entries 812889
Threshold/UPC bits
101060
102257
102272
101916
100189
110220
15067
13870
116127
13855
14211
15938
5907
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

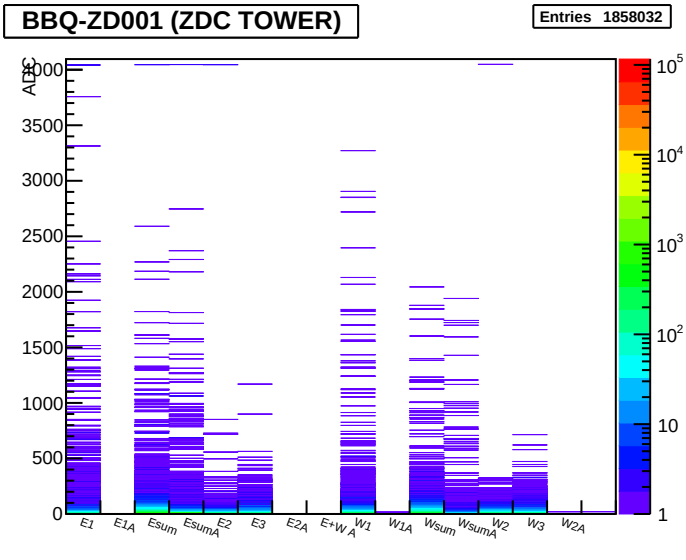

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

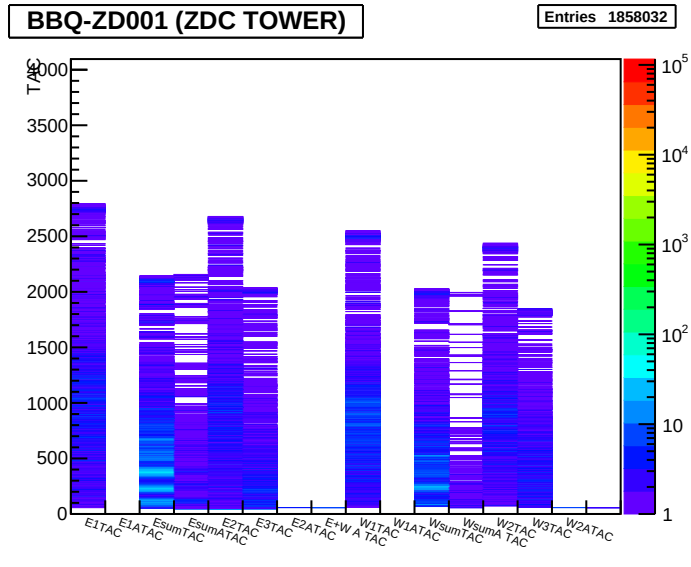

BBQ-BB001 (BBC east small tiles ADC)
Entries 1858032
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

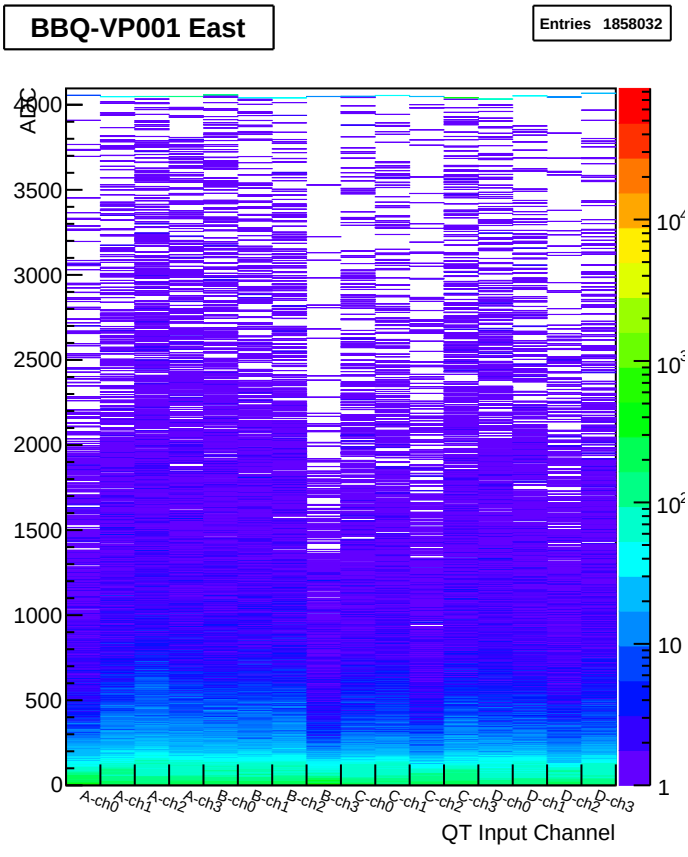

BBQ-BB001 (BBC east small tiles TAC)
Entries 1858032
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

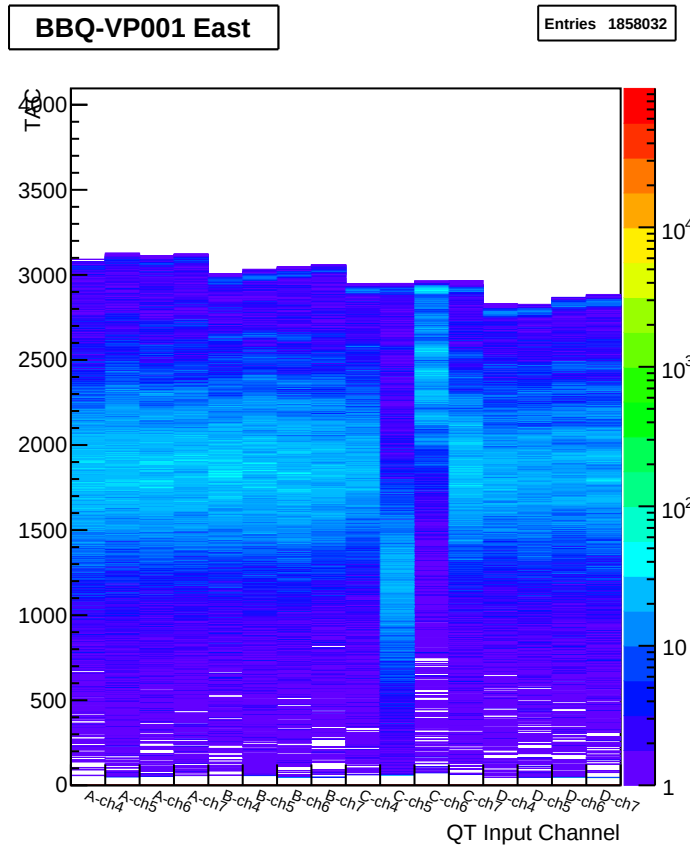

BBQ-BB002 (BBC west small tiles ADC)
Entries 1858032
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

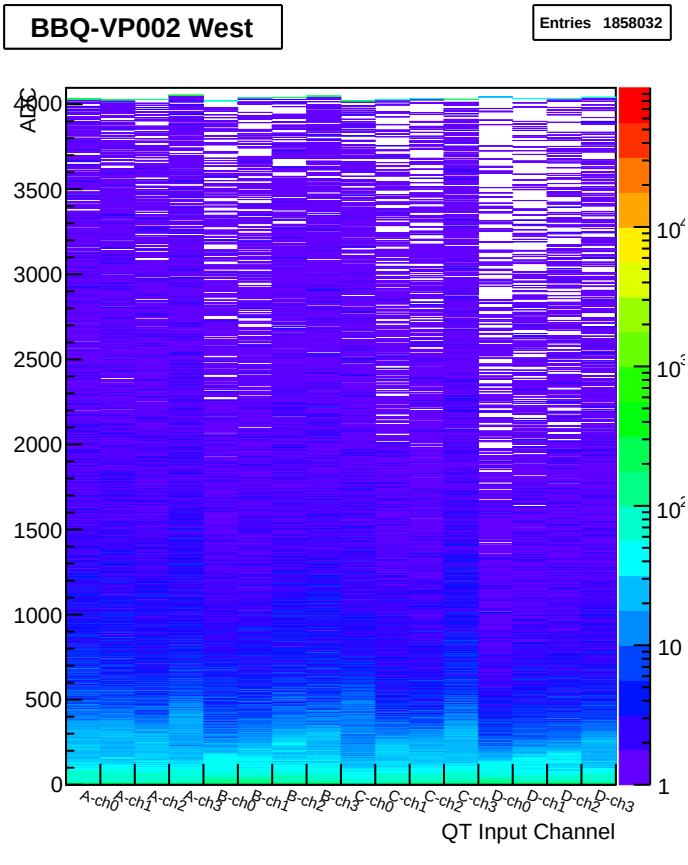

BBQ-BB002 (BBC west small tiles TAC)
Entries 1858032
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

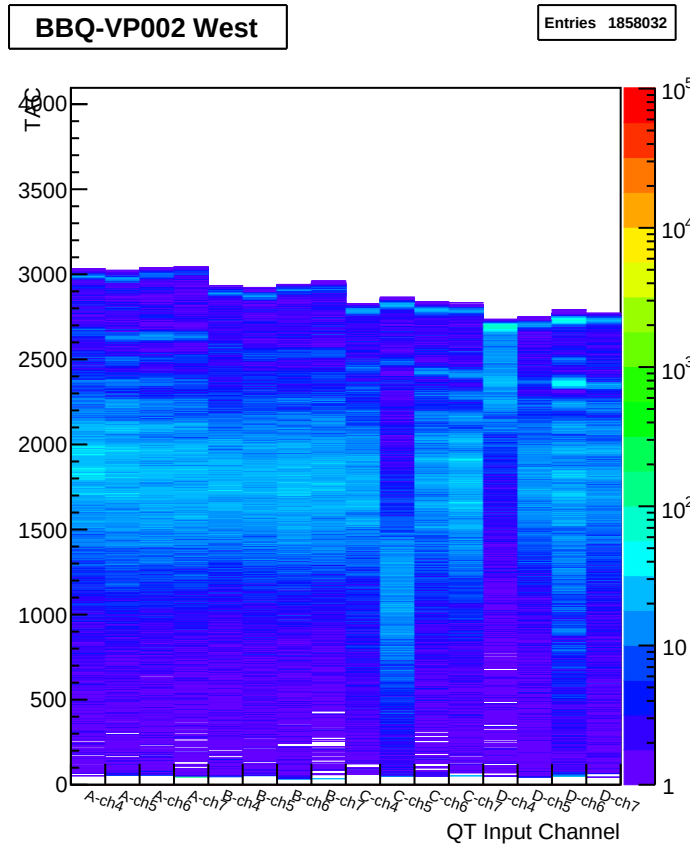

BBQ-ZD001 (ZDC TOWER)
Entries 1858032
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

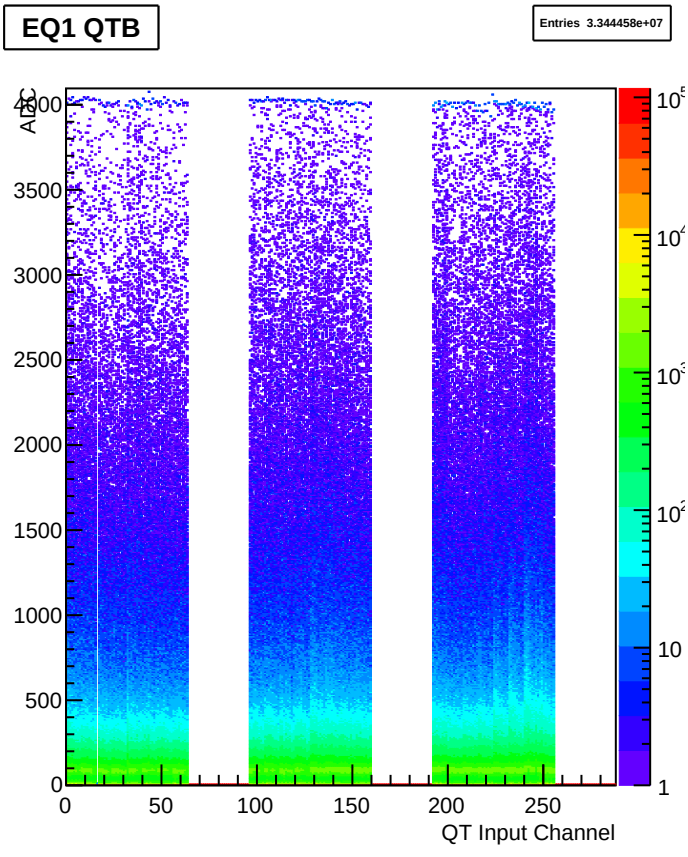

BBQ-ZD001 (ZDC TOWER)
Entries 1858032
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

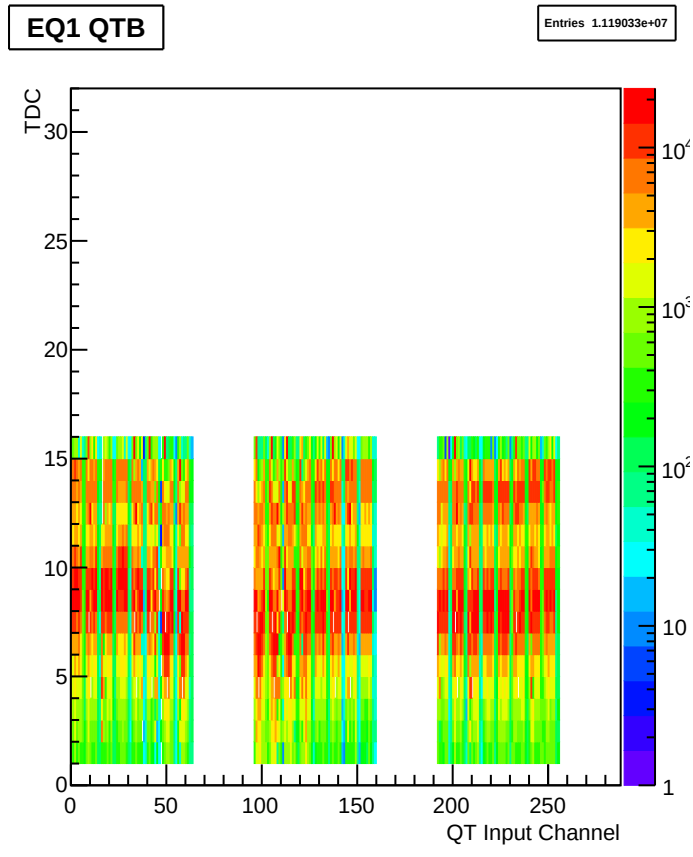

BBQ-VP001 East
Entries 1858032
ADC
QT Input Channel

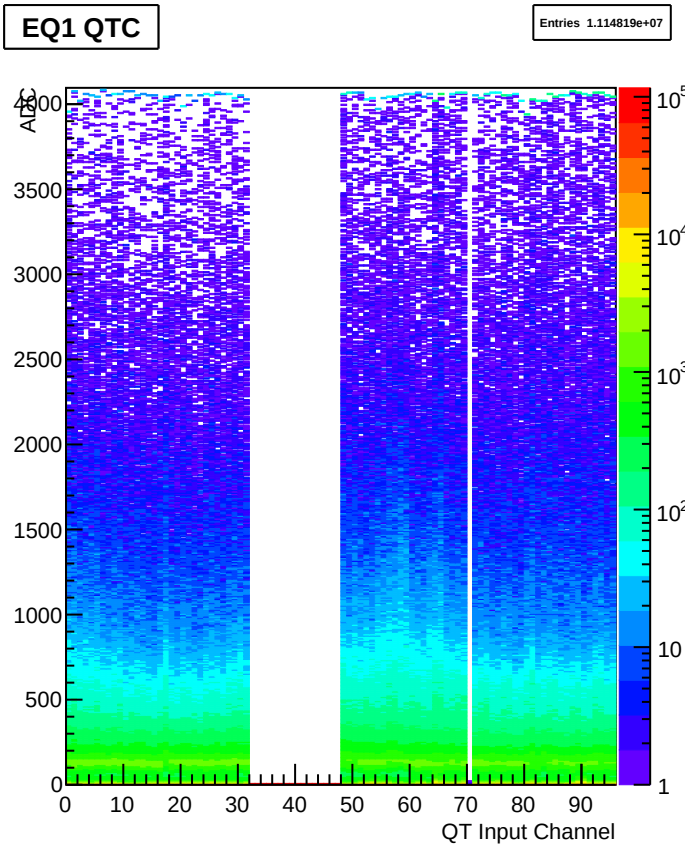

BBQ-VP001 East
Entries 1858032
ADC
QT Input Channel

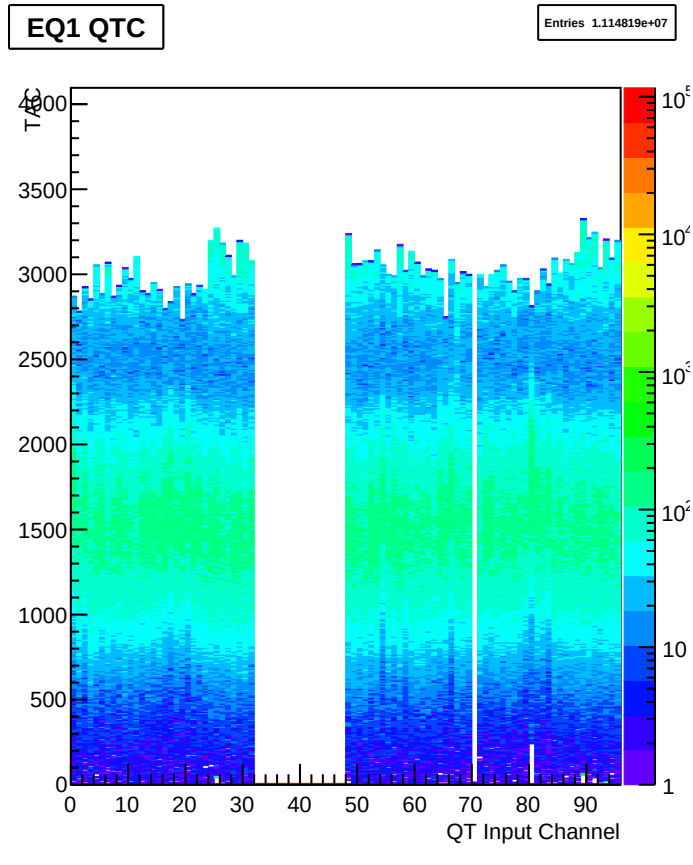

BBQ-VP002 West
Entries 1858032
ADC
QT Input Channel

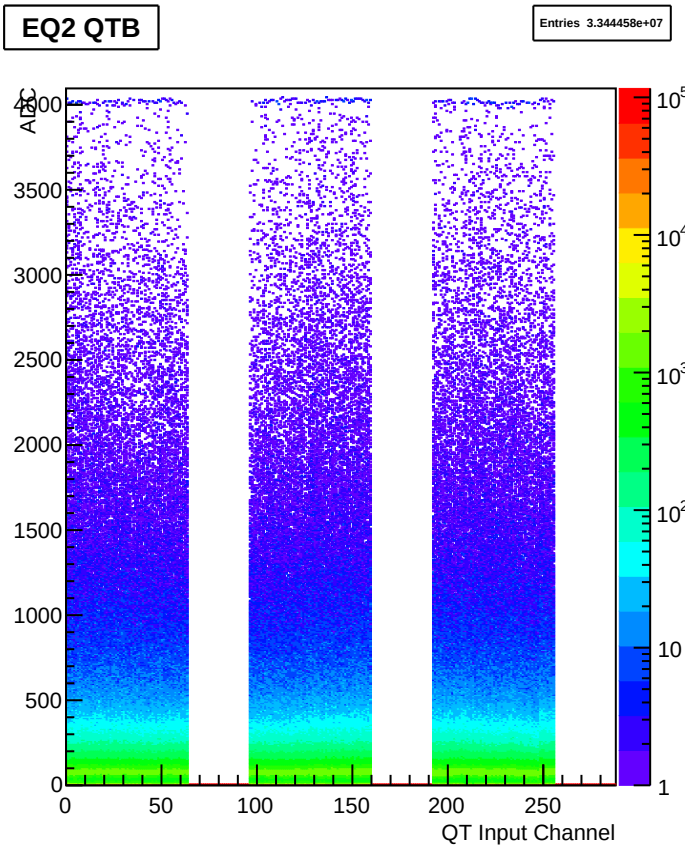

BBQ-VP002 West
Entries 1858032
ADC
QT Input Channel

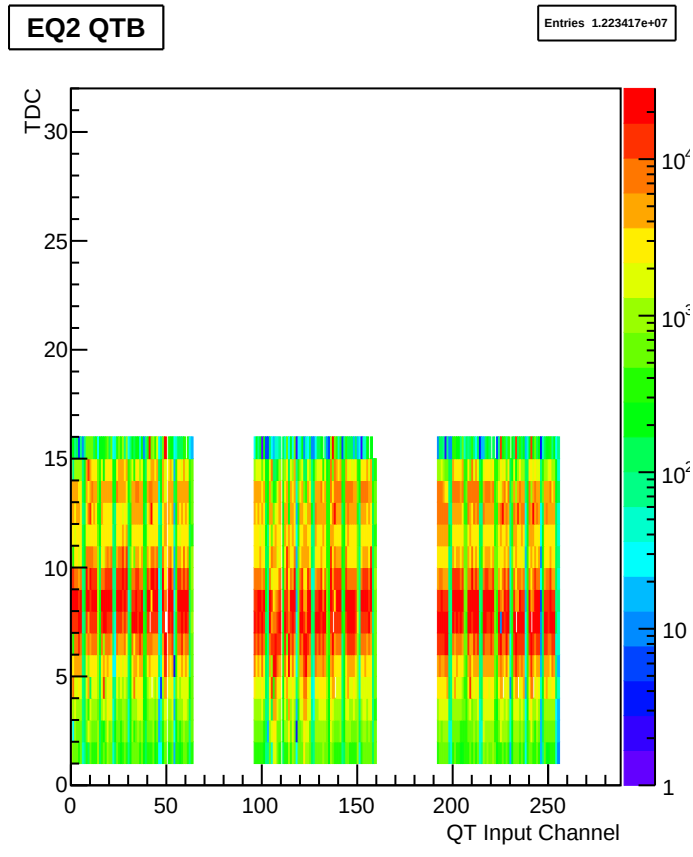

EQ1 QTB
Entries 3.344458e+07
ADC
QT Input Channel

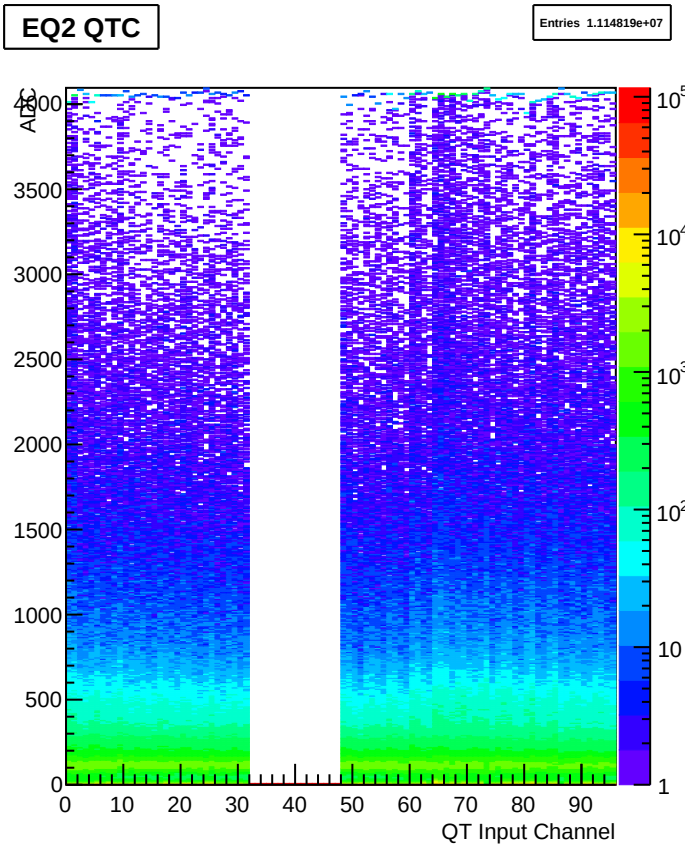

EQ1 QTB
Entries 1.119033e+07
TDC
QT Input Channel

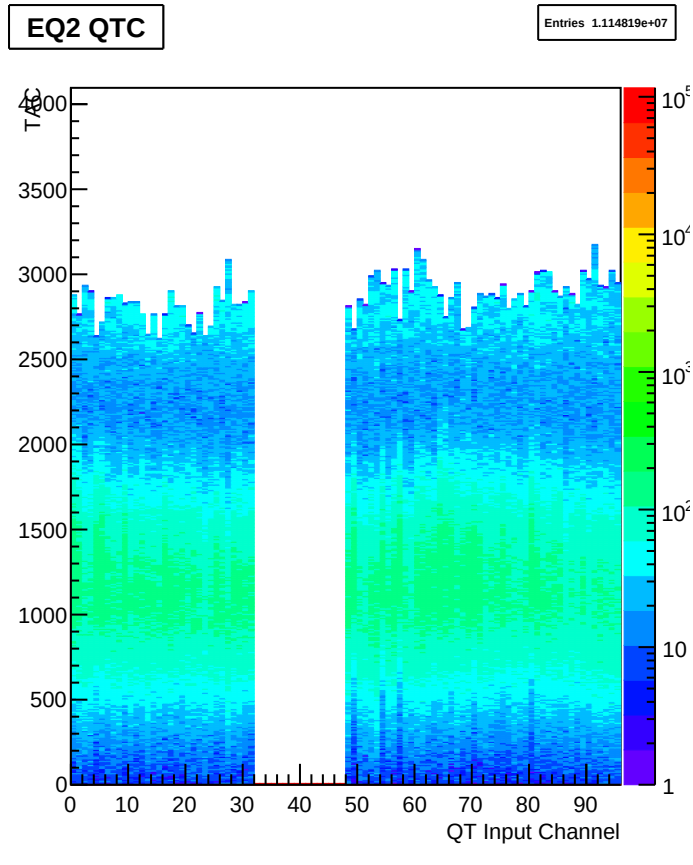

EQ1 QTC
Entries 1.114819e+07
ADC
QT Input Channel

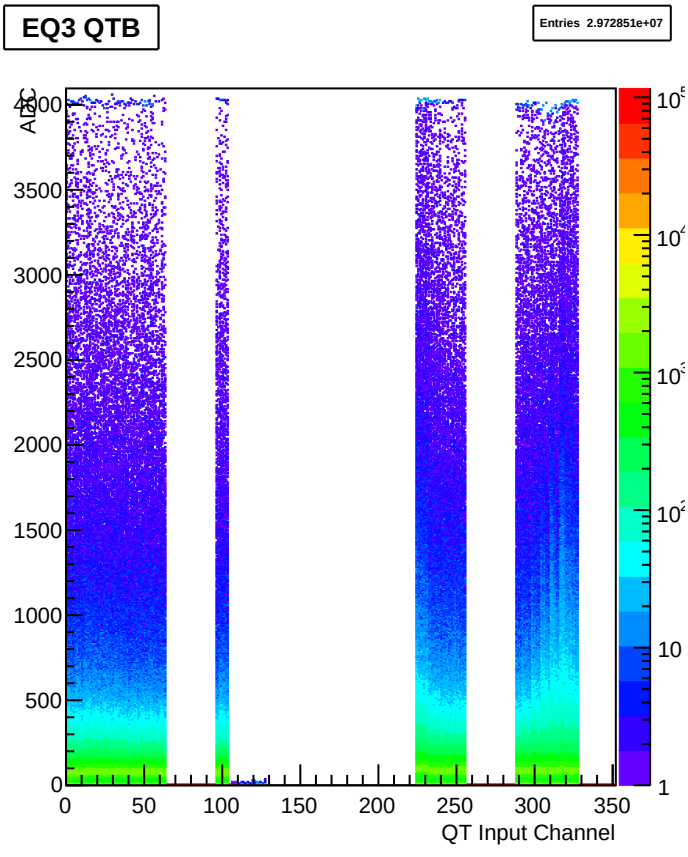

EQ1 QTC
Entries 1.114819e+07
TADC
QT Input Channel

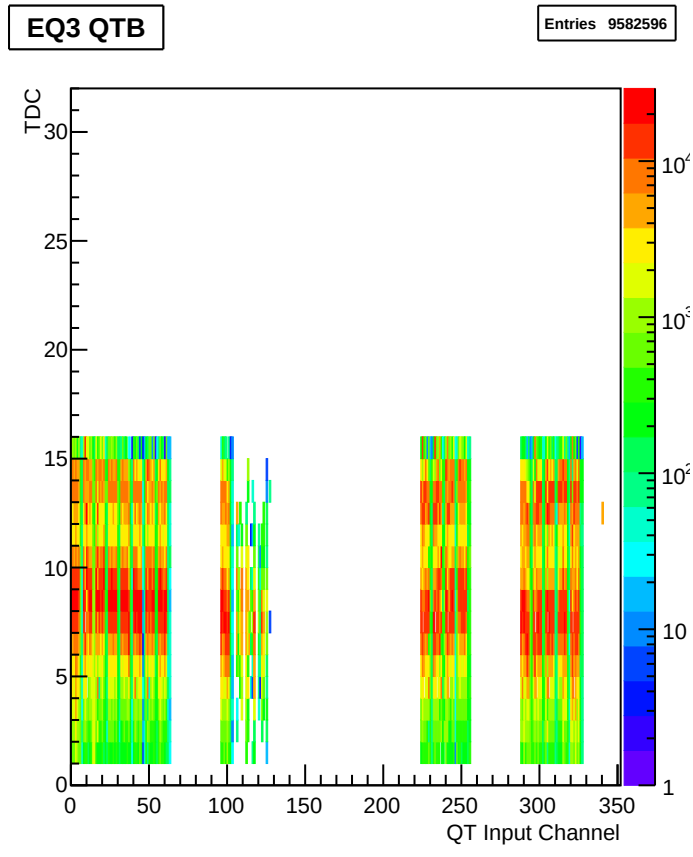

EQ2 QTB
Entries 3.344458e+07
ADC
QT Input Channel

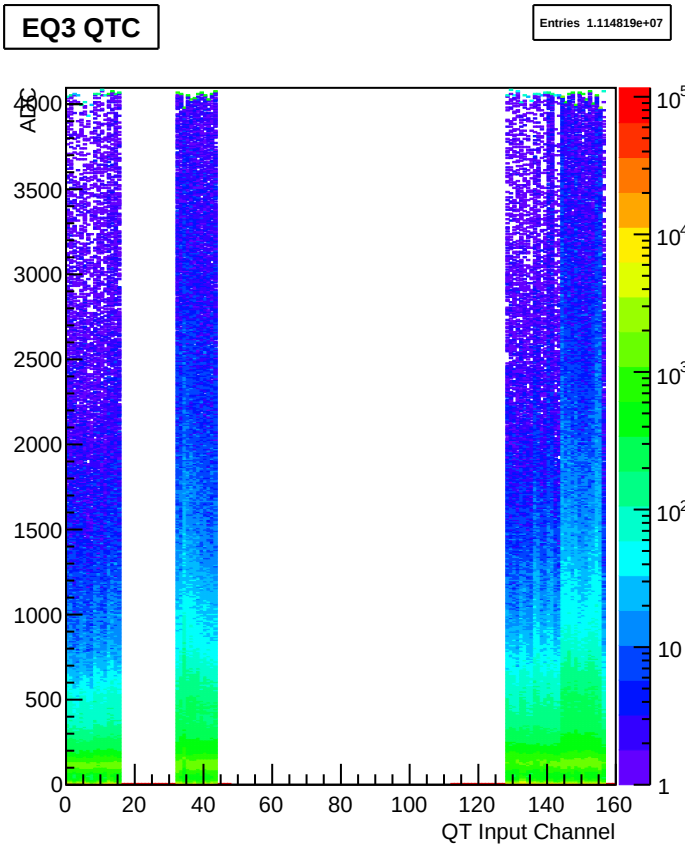

EQ2 QTB
Entries 1.223417e+07
TDC
QT Input Channel

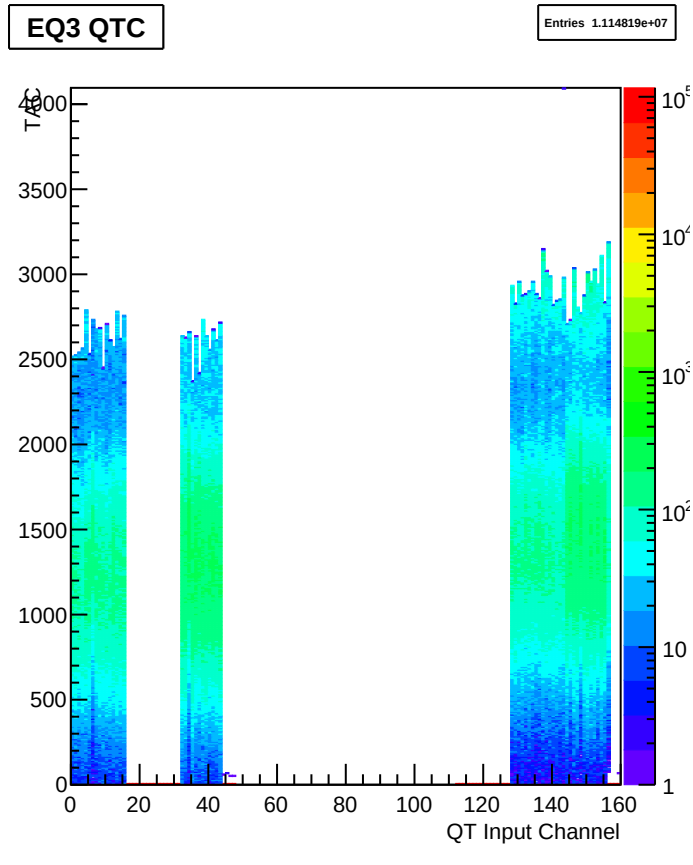

EQ2 QTC
Entries 1.114819e+07
ADC
QT Input Channel

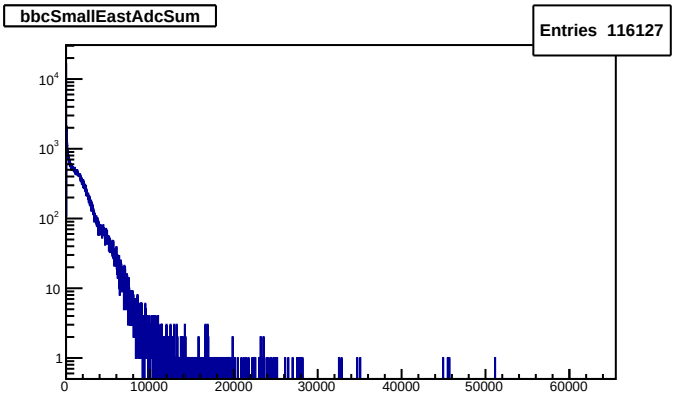

EQ2 QTC
Entries 1.114819e+07
TADC
QT Input Channel

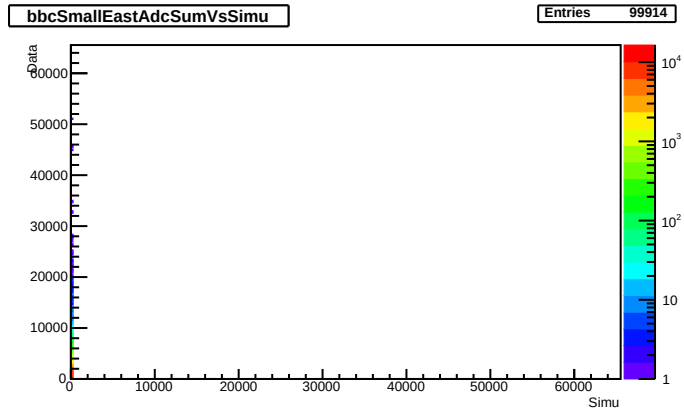

EQ3 QTB
Entries 2.972851e+07
ADC
QT Input Channel

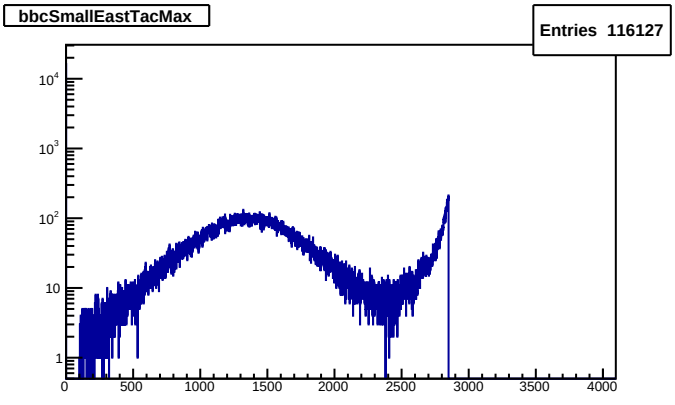

EQ3 QTB
Entries 9582596
TDC
QT Input Channel

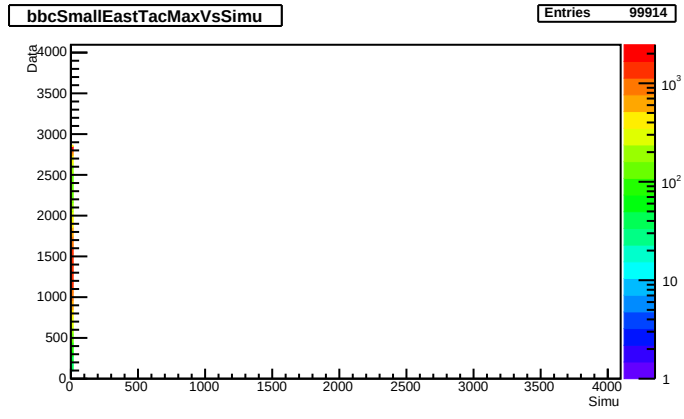

EQ3 QTC
Entries 1.114819e+07
ADC
QT Input Channel

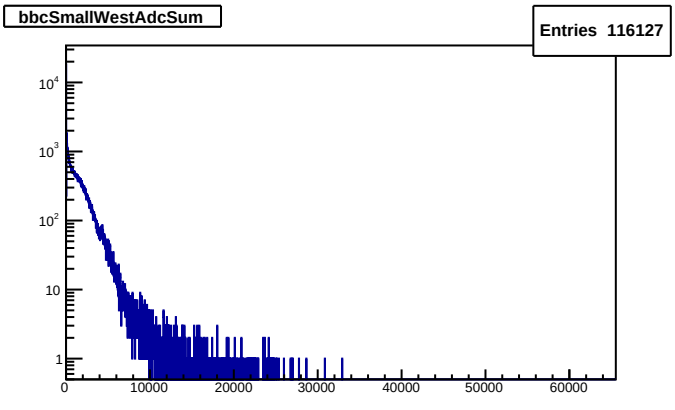

EQ3 QTC
Entries 1.114819e+07
TADC
QT Input Channel

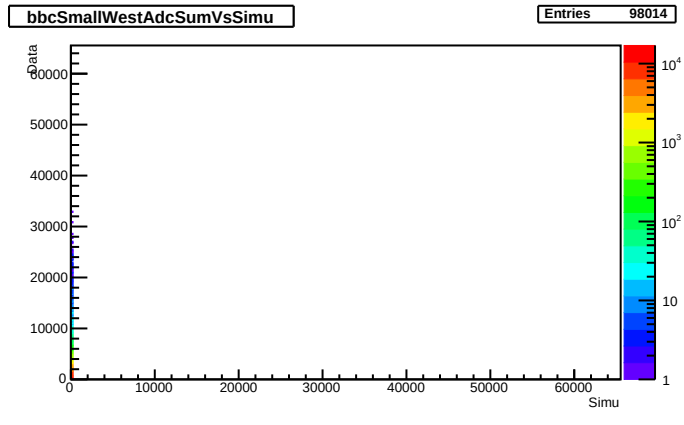

bbcSmallEastAdcSum
Entries 116127

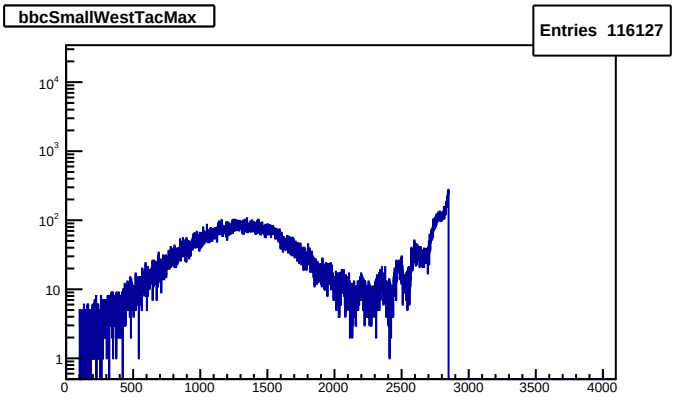

bbcSmallEastAdcSumVsSimu
Entries 99914
Data
Simu

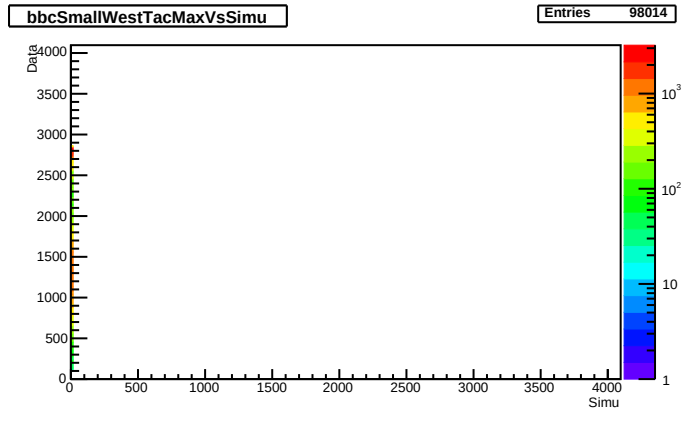

bbcSmallEastTacMax
Entries 116127

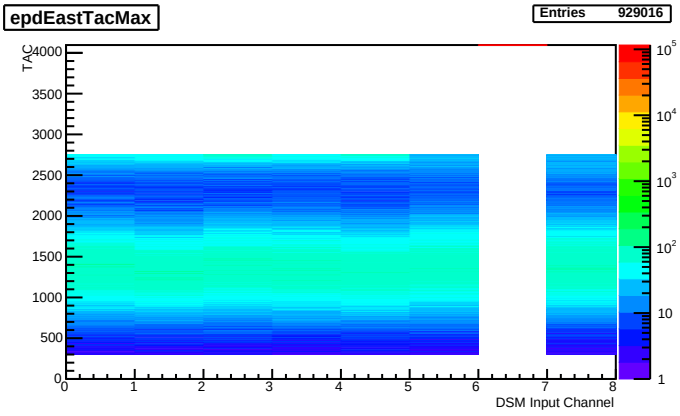

bbcSmallEastTacMaxVsSimu
Entries 99914
Data
Simu

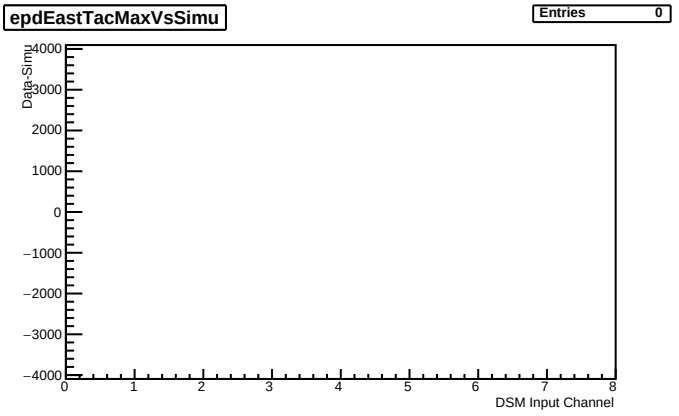

bbcSmallWestAdcSum
Entries 116127

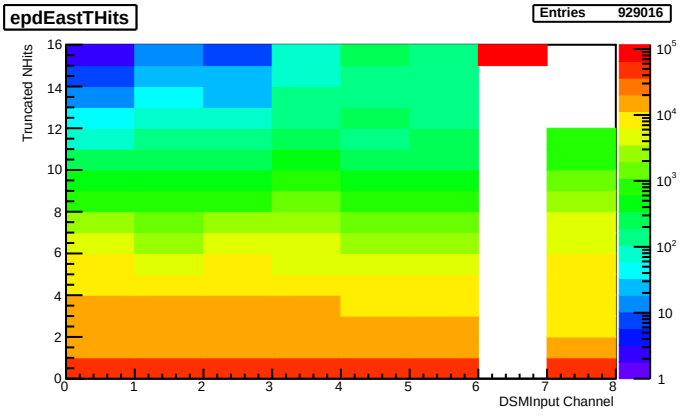

bbcSmallWestAdcSumVsSimu
Entries 98014
Data
Simu

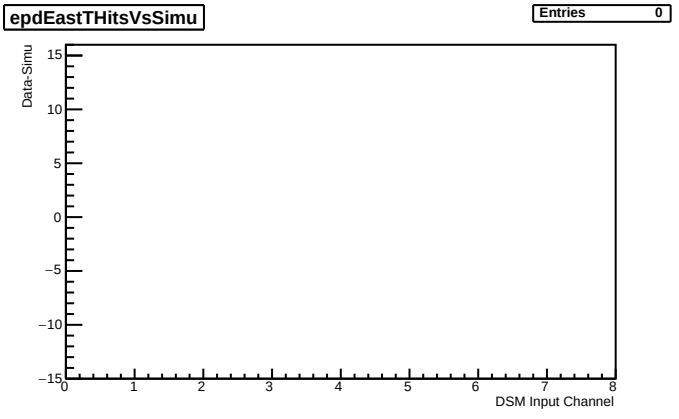

bbcSmallWestTacMax
Entries 116127

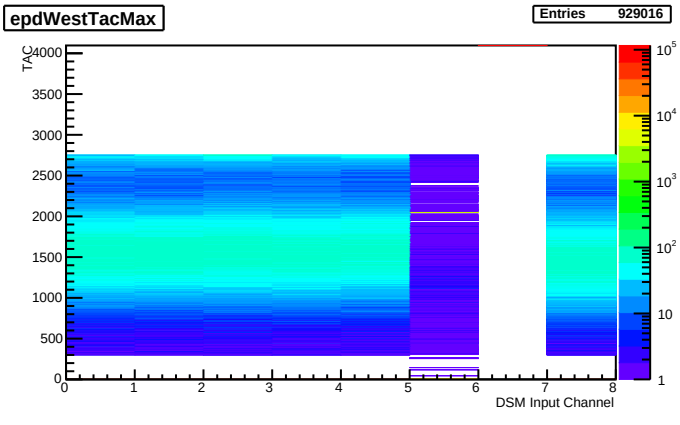

bbcSmallWestTacMaxVsSimu
Entries 98014
Data
Simu

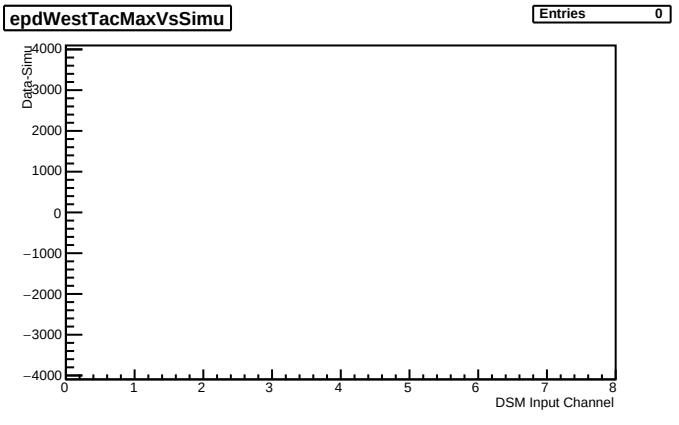

epdEastTacMax
Entries 929016
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 929016
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 929016
TAC
DSM Input Channel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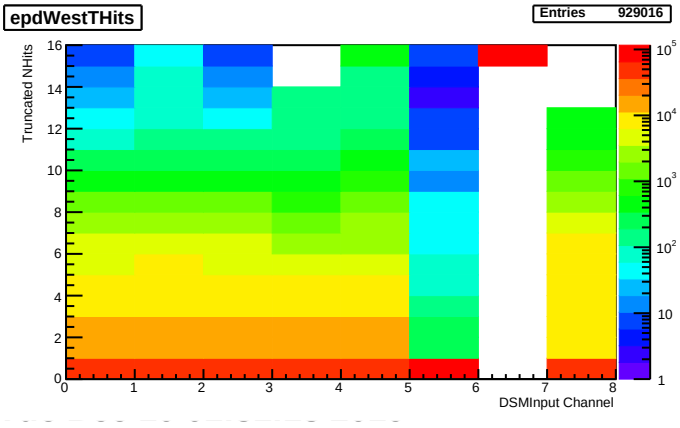
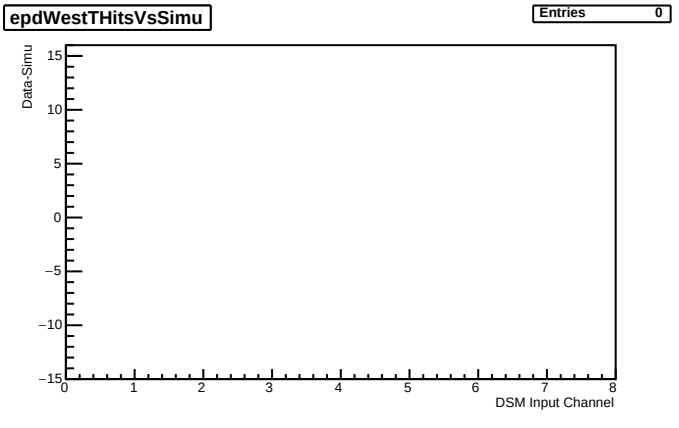
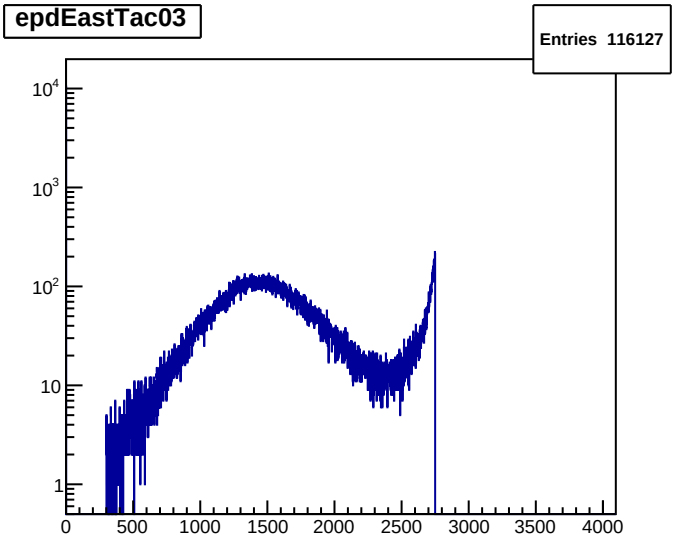
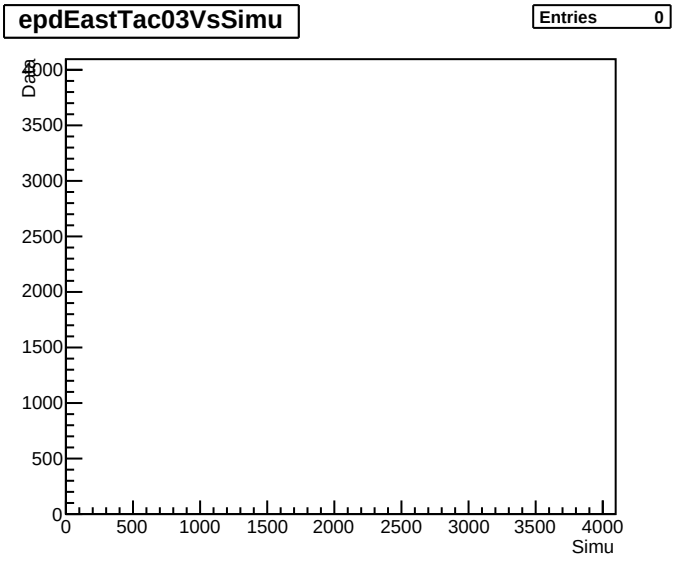
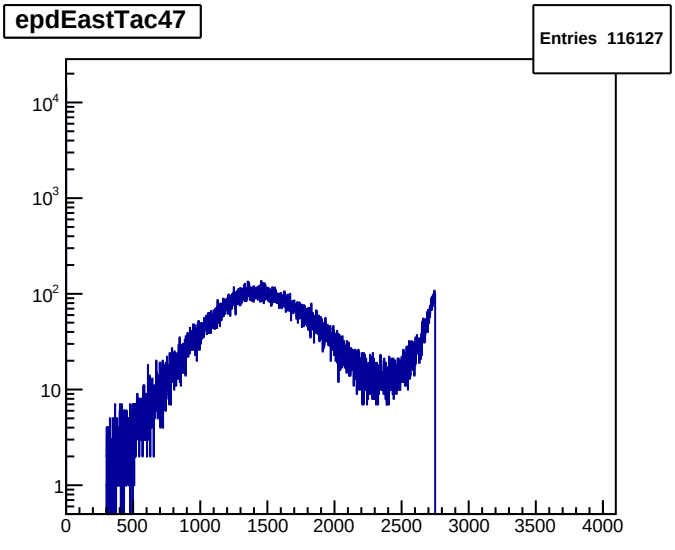
Entries 0
Data-Simu
DSM Input Channel

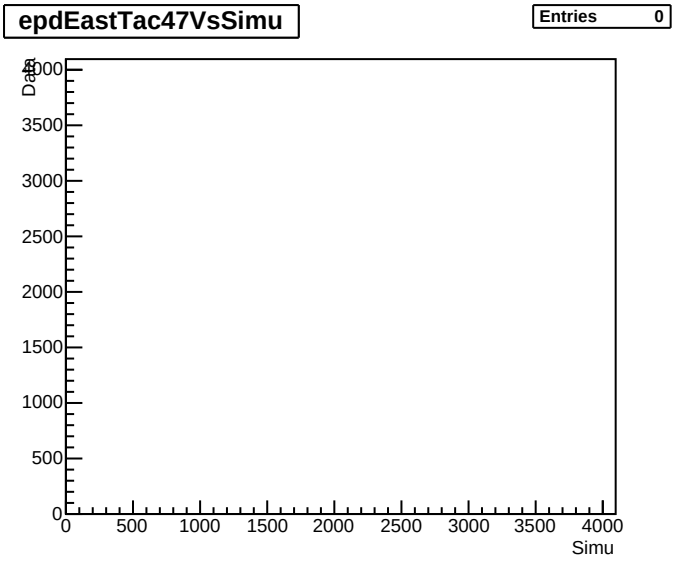

epdWestTHits
Entries 929016
Truncated NHits
DSMInput Channel

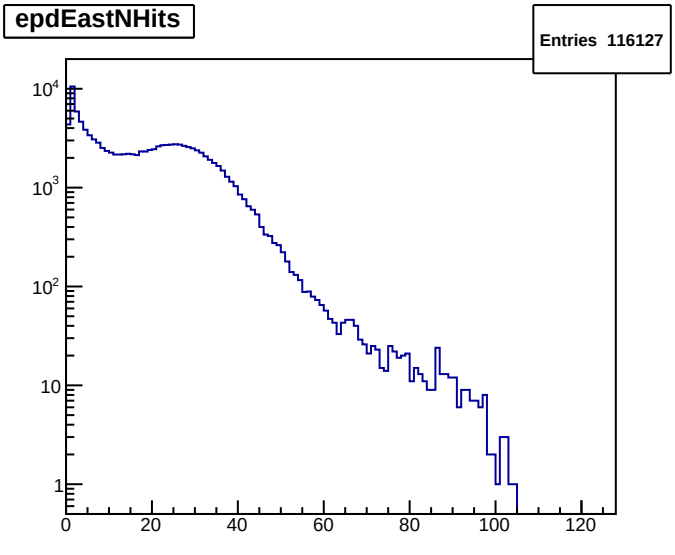

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

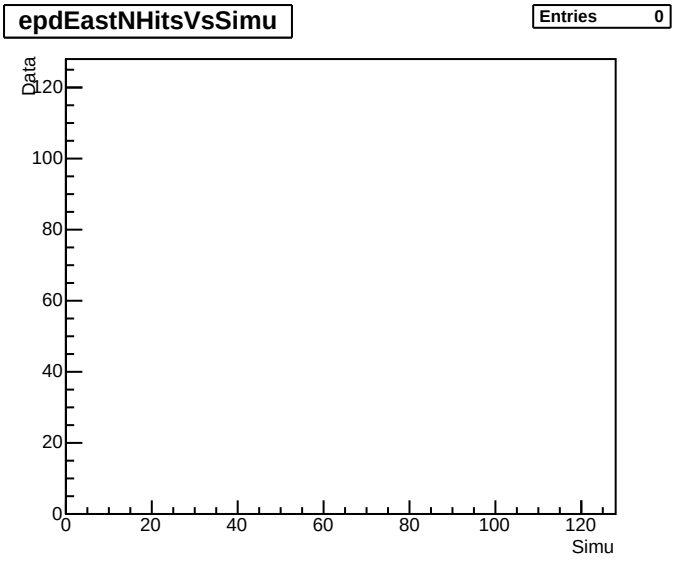

epdEastTac03
Entries 116127

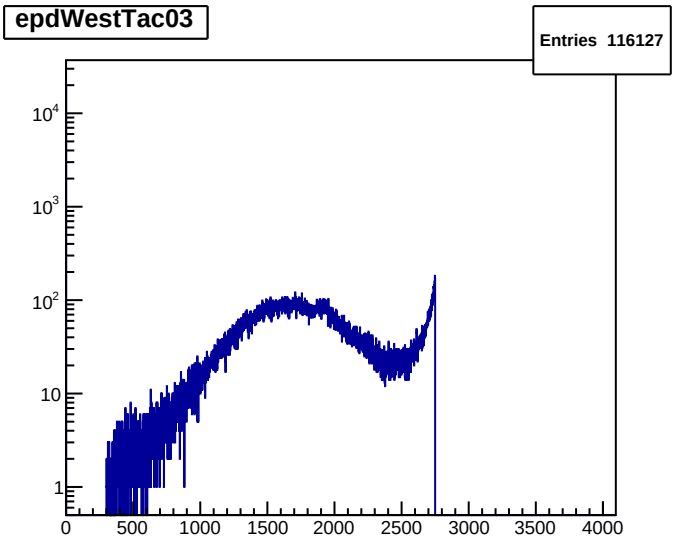

epdEastTac03VsSimu
Entries 0
Data
Simu

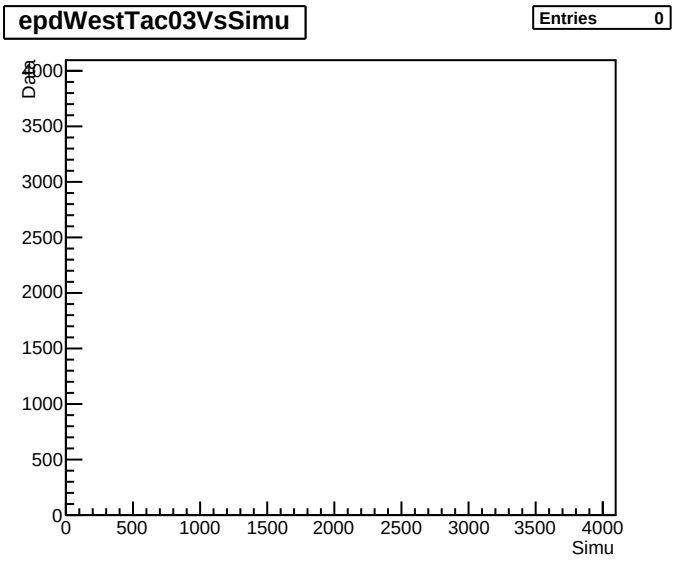

epdEastTac47
Entries 116127


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 116127


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 116127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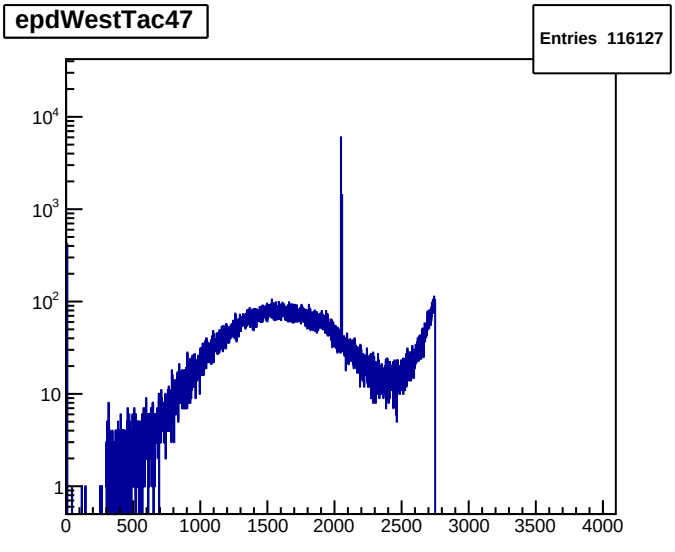
Entries 0
Data
Simu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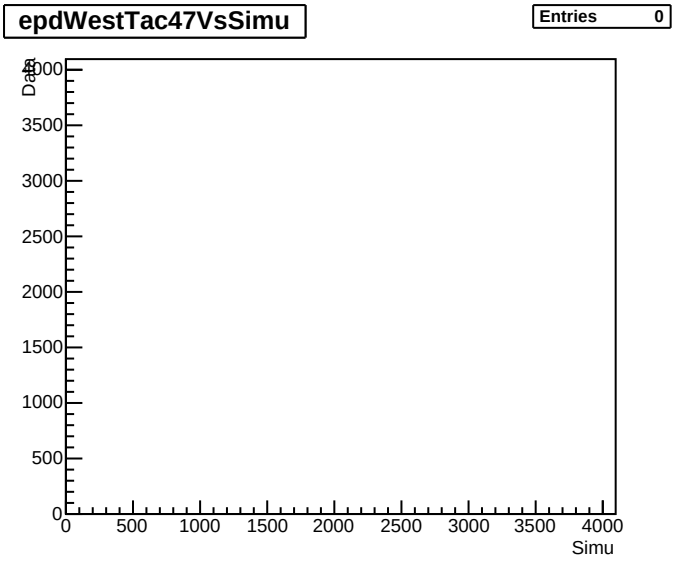
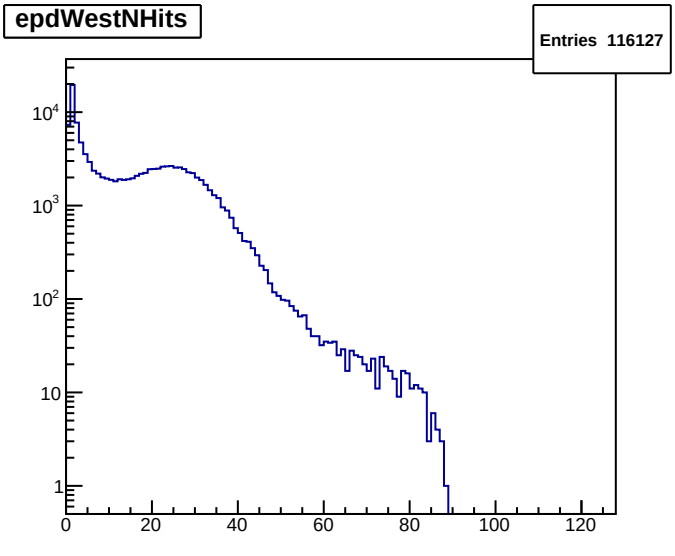
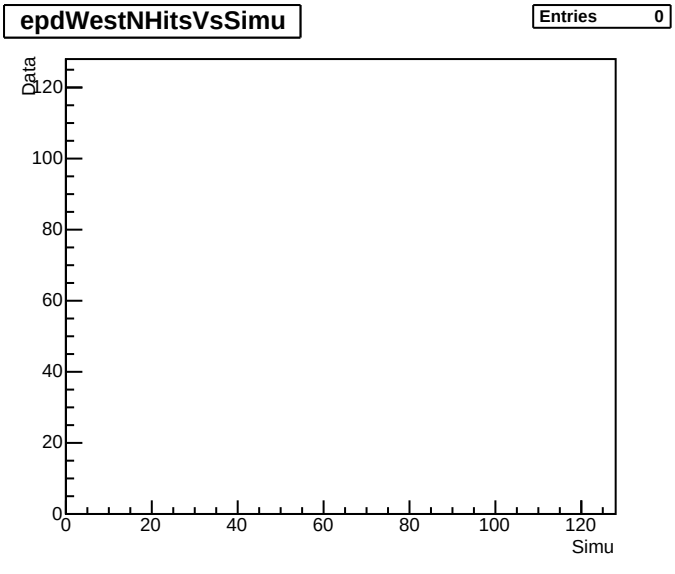
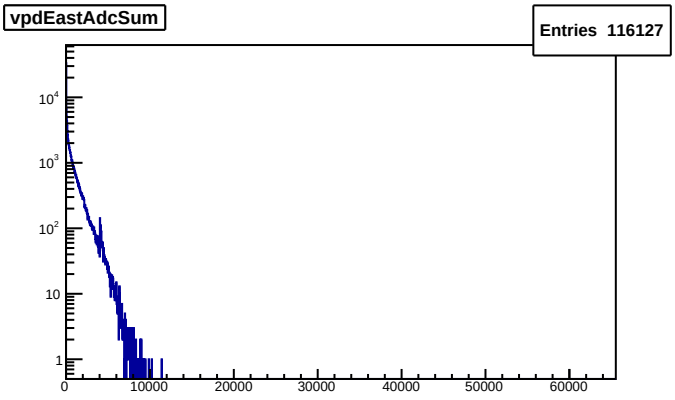
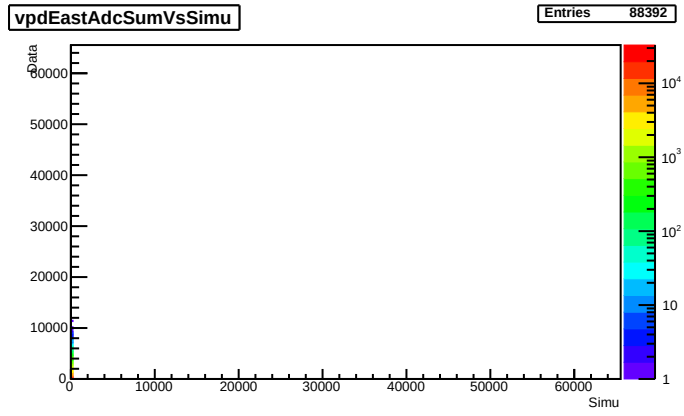
Entries 116127

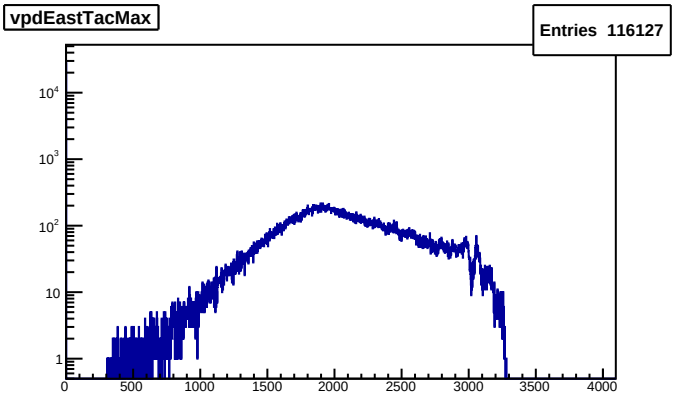

epdWestTac47VsSimu
Entries 0
Data
Simu

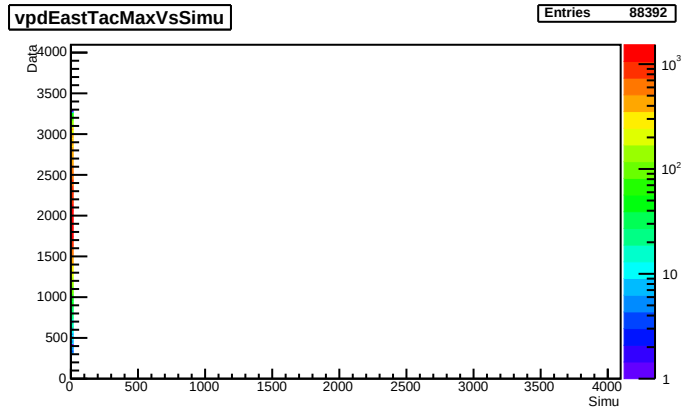

epdWestNHits
Entries 116127

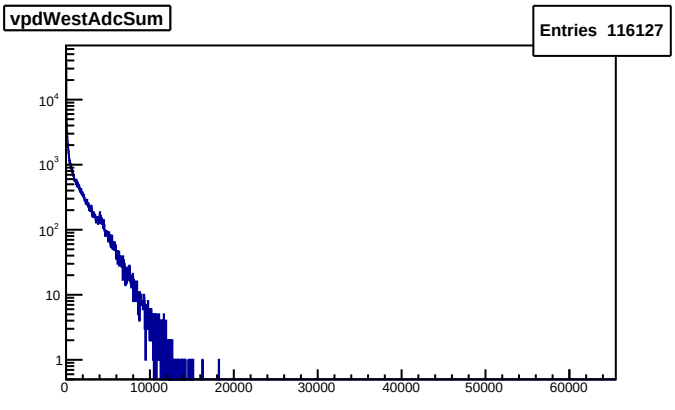

epdWestNHitsVsSimu
Entries 0
Data
Simu

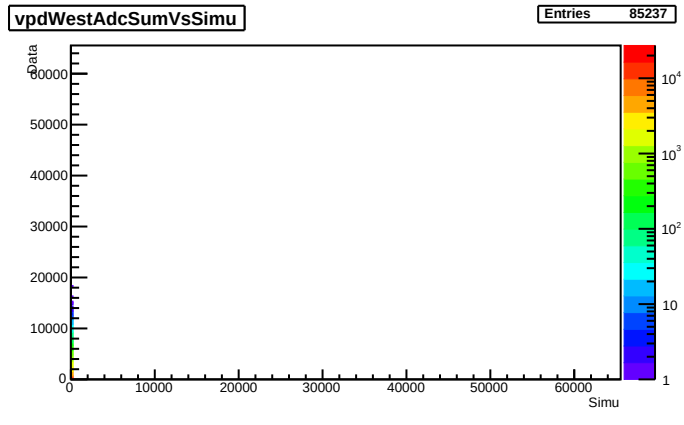

vpdEastAdcSum
Entries 116127

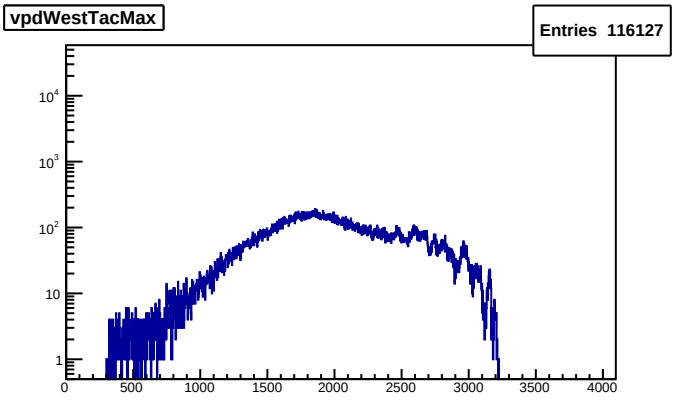

vpdEastAdcSumVsSimu
Entries 88392
Data
Simu

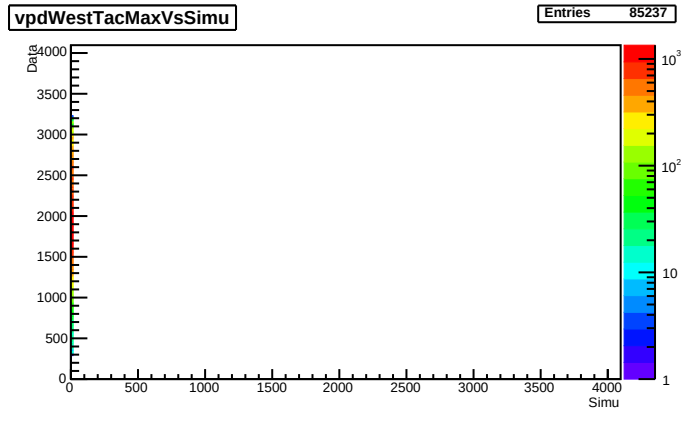

vpdEastTacMax
Entries 116127

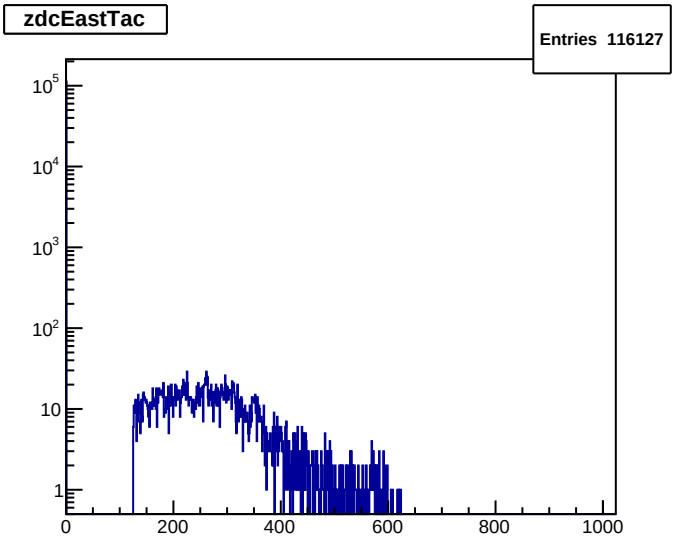

vpdEastTacMaxVsSimu
Entries 88392
Data
Simu

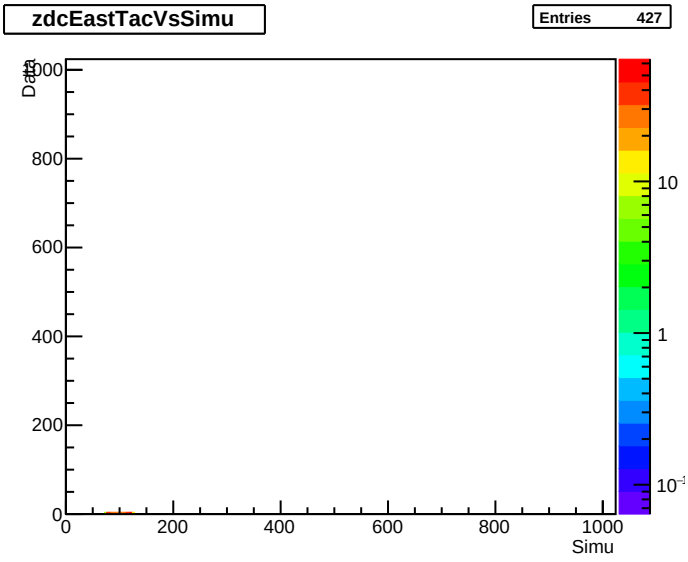

vpdWestAdcSum
Entries 116127

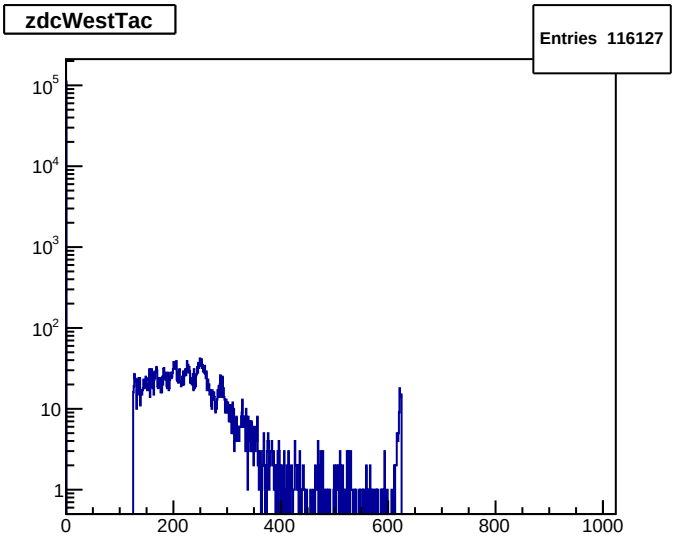

vpdWestAdcSumVsSimu
Entries 85237
Data
Simu

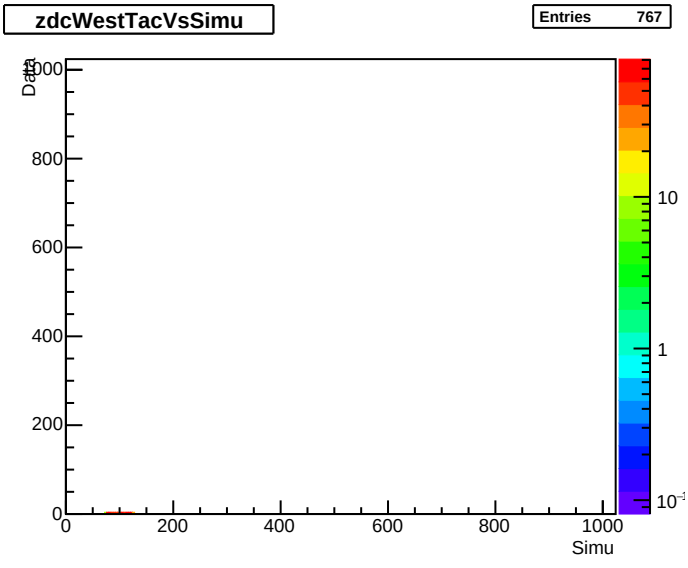

vpdWestTacMax
Entries 116127

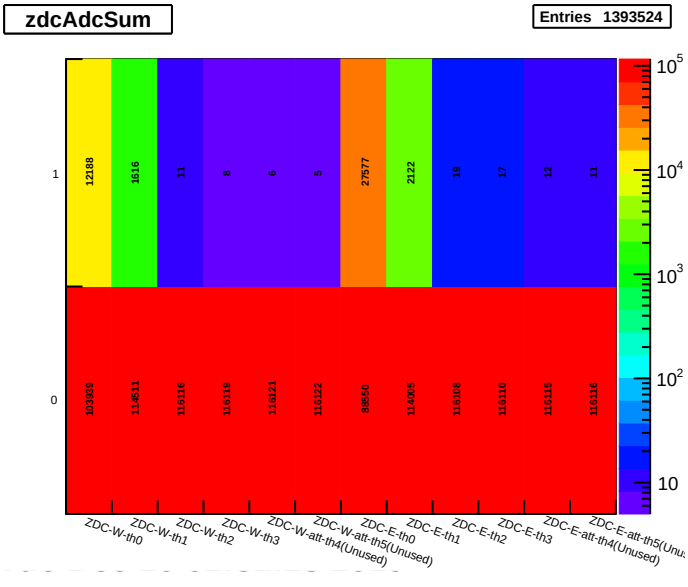

vpdWestTacMaxVsSimu
Entries 85237
Data
Simu

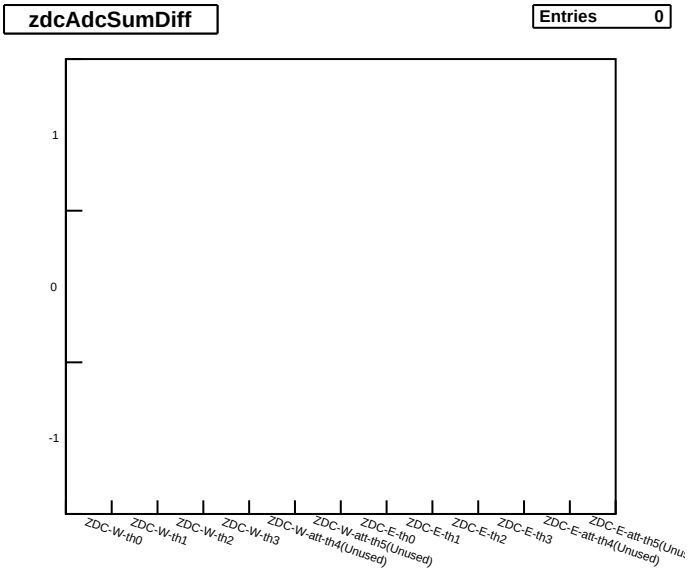

zdcEastTac
Entries 116127

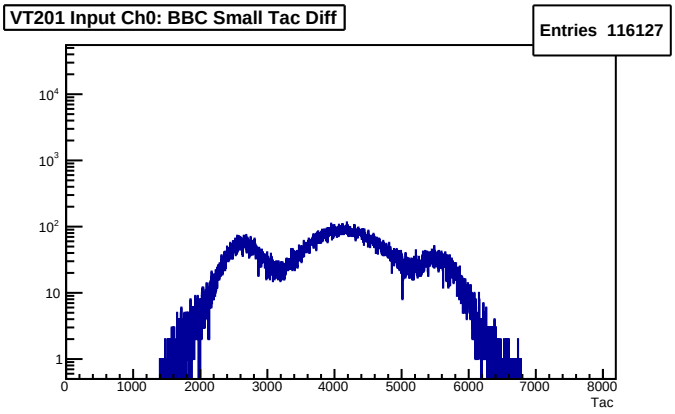

zdcEastTacVsSimu
Entries 427
Data
Simu

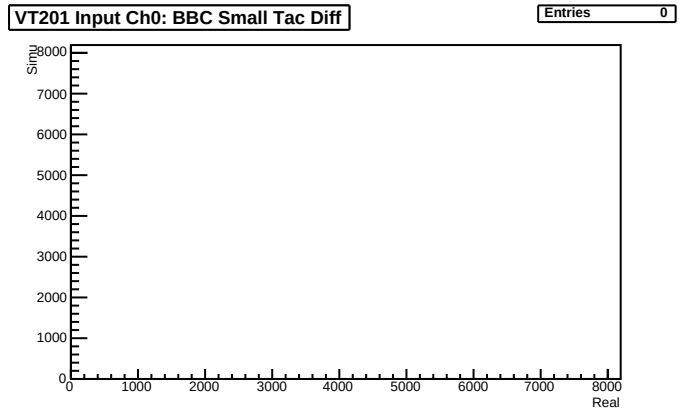

zdcWestTac
Entries 116127

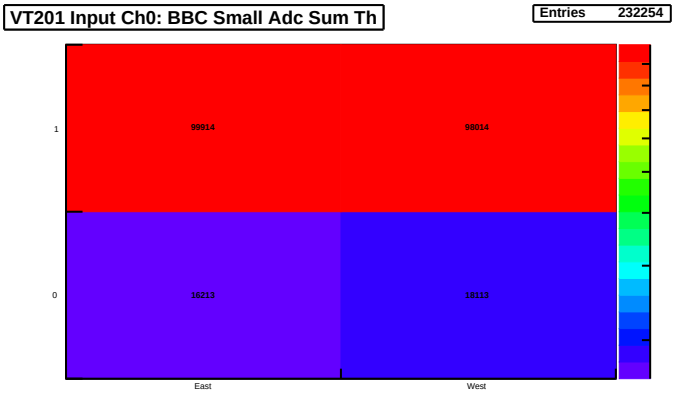

zdcWestTacVsSimu
Entries 767
Data
Simu

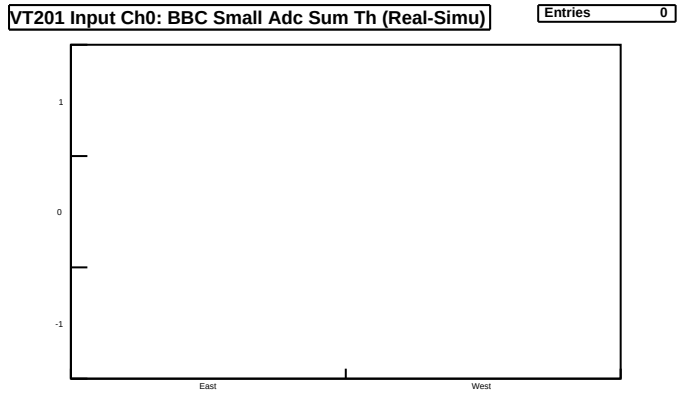

zdcAdcSum
Entries 1393524
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

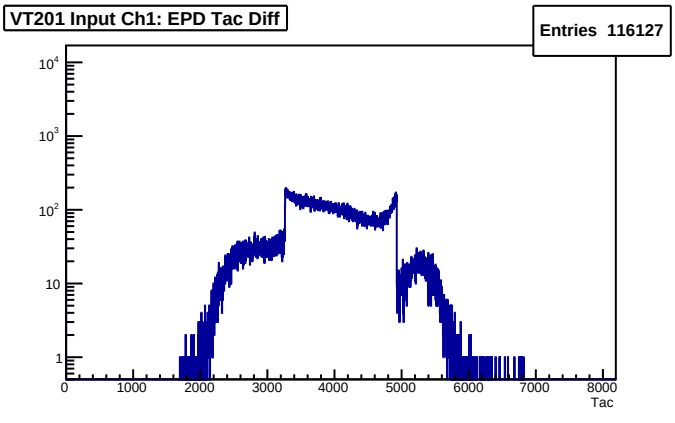

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

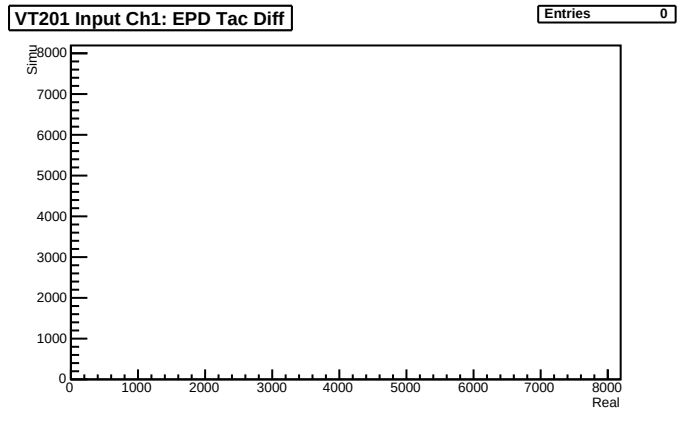

VT201 Input Ch0: BBC Small Tac Diff
Entries 116127
Tac

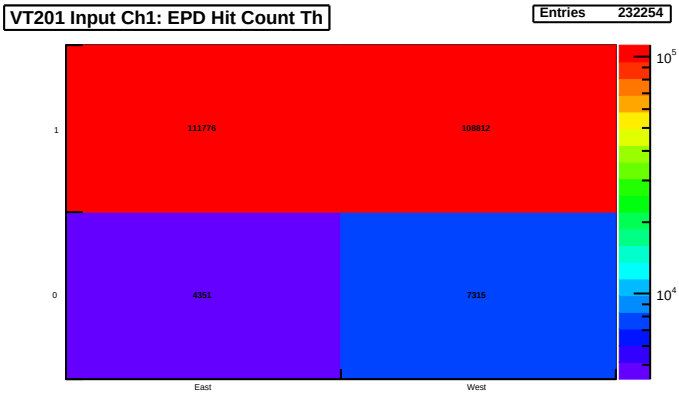

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

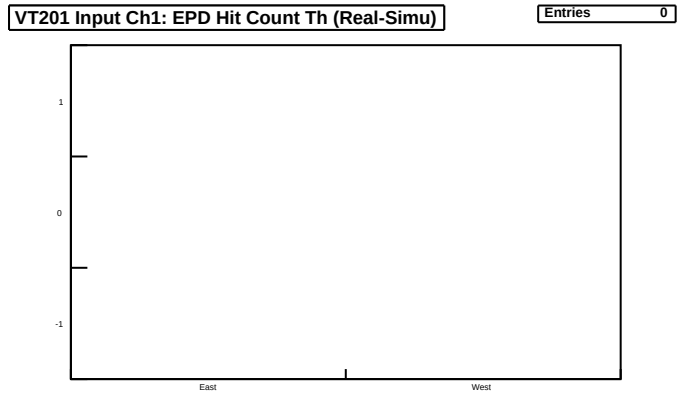

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 232254
99914
98014
16213
18113
East
West

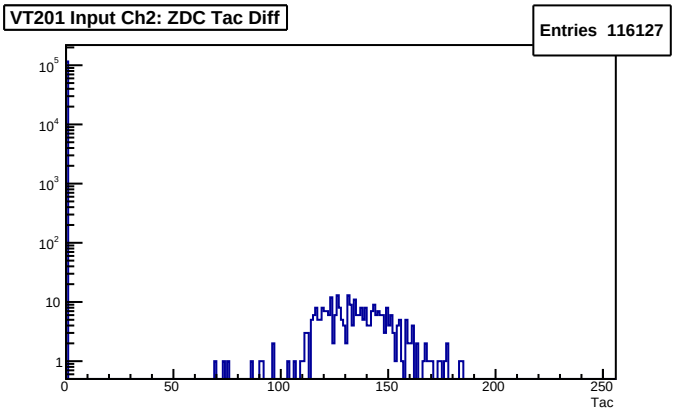

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

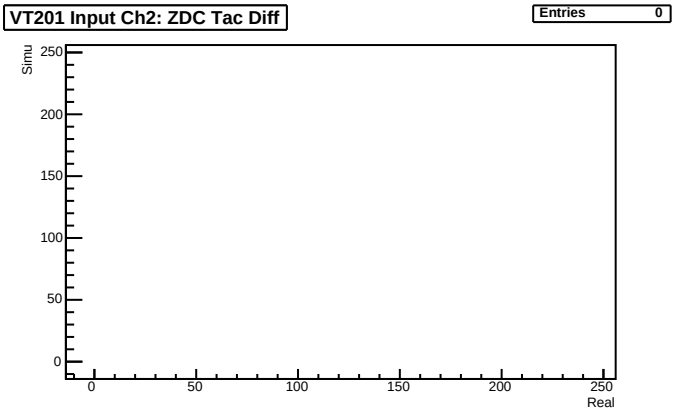

VT201 Input Ch1: EPD Tac Diff
Entries 116127
Tac

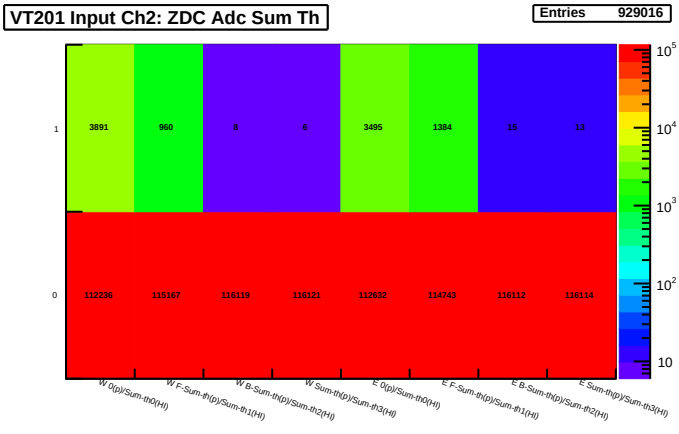

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

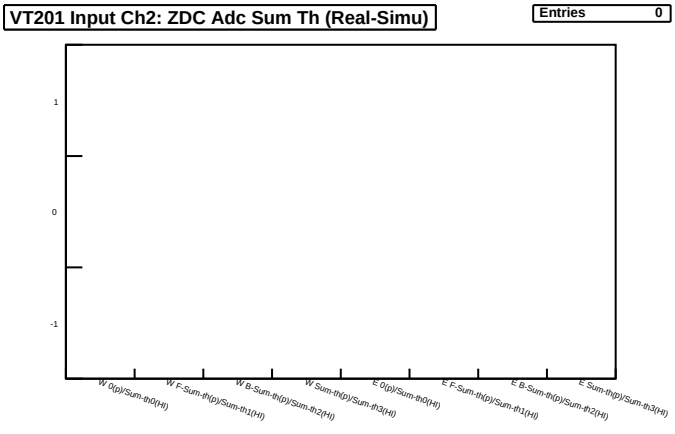

VT201 Input Ch1: EPD Hit Count Th
Entries 232254
111776
108812
4351
7315
East
West

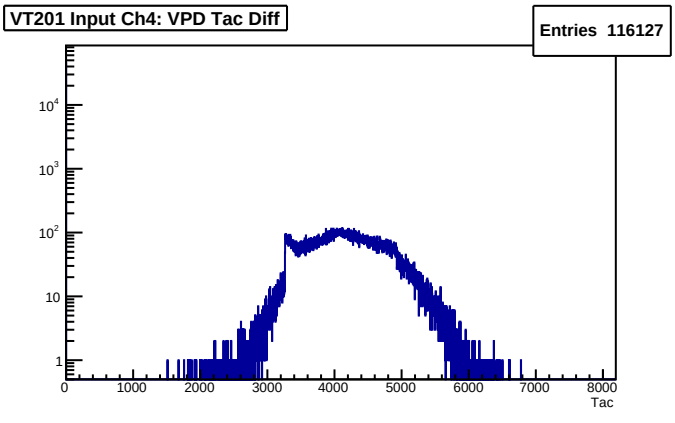

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

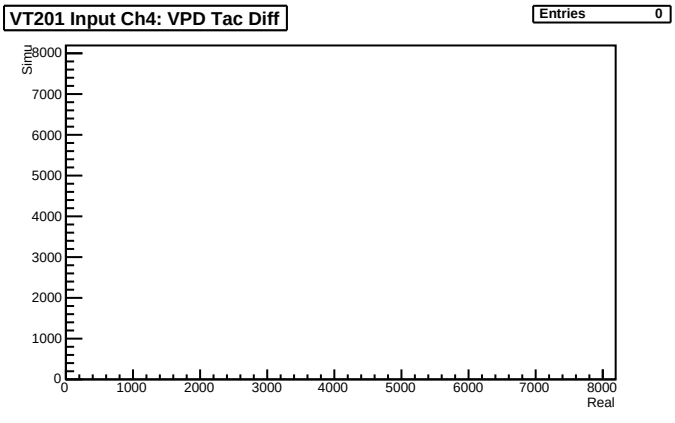

VT201 Input Ch2: ZDC Tac Diff
Entries 116127
Tac

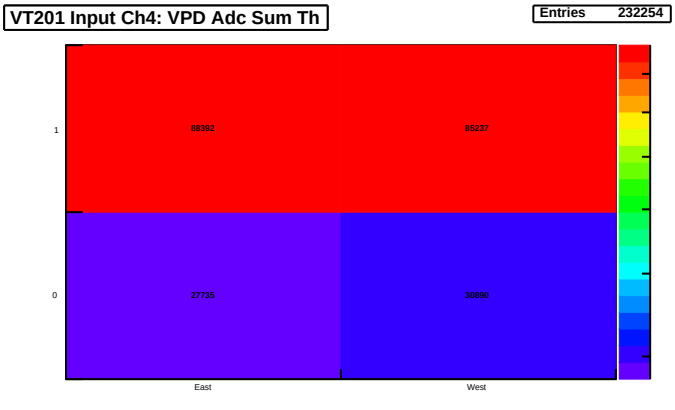

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

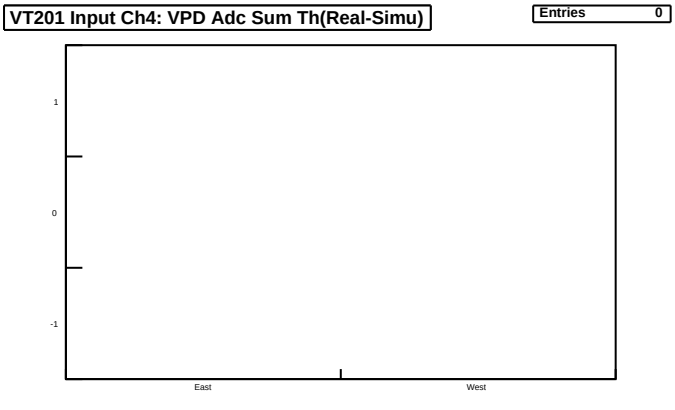

VT201 Input Ch2: ZDC Adc Sum Th
Entries 929016
3891
960
8
6
3495
1384
15
13
112236
115167
116119
116121
112632
114743
116112
116114
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

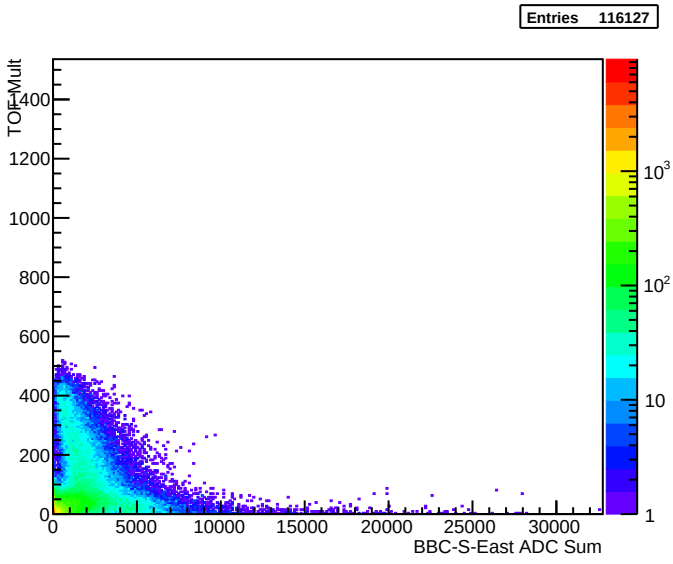

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

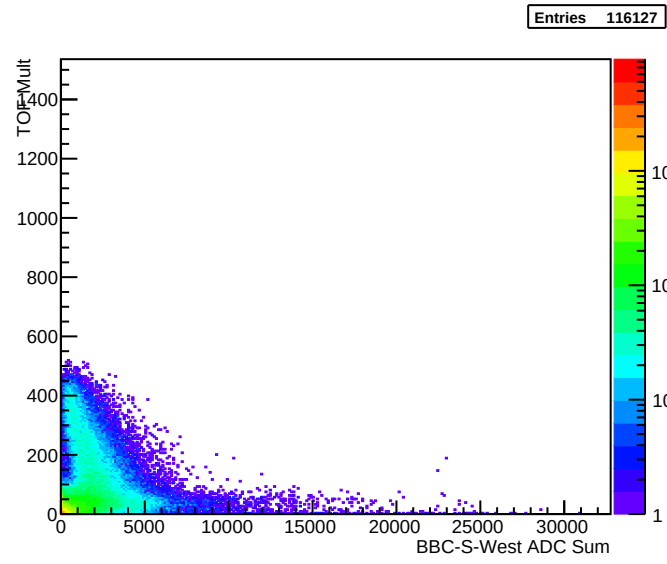

VT201 Input Ch4: VPD Tac Diff
Entries 116127
Tac

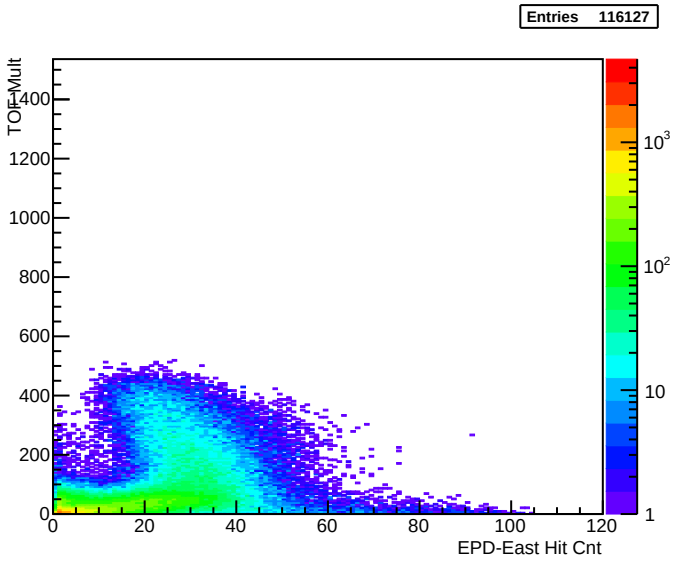

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

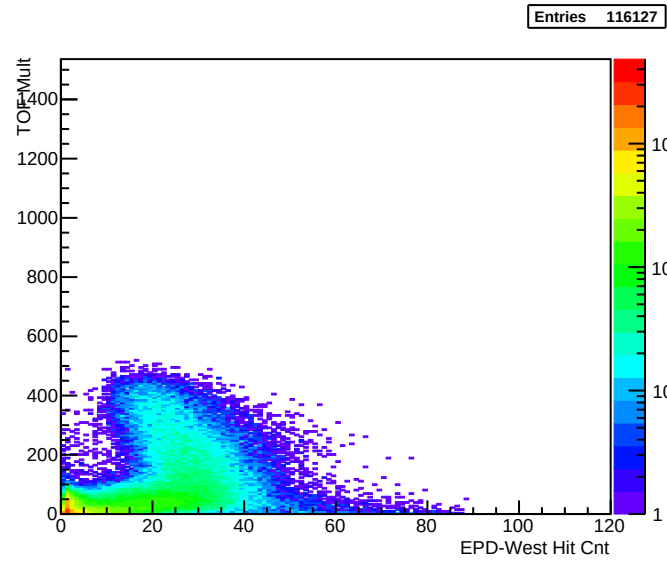

VT201 Input Ch4: VPD Adc Sum Th
Entries 232254
88392
85237
27735
30890
East
West

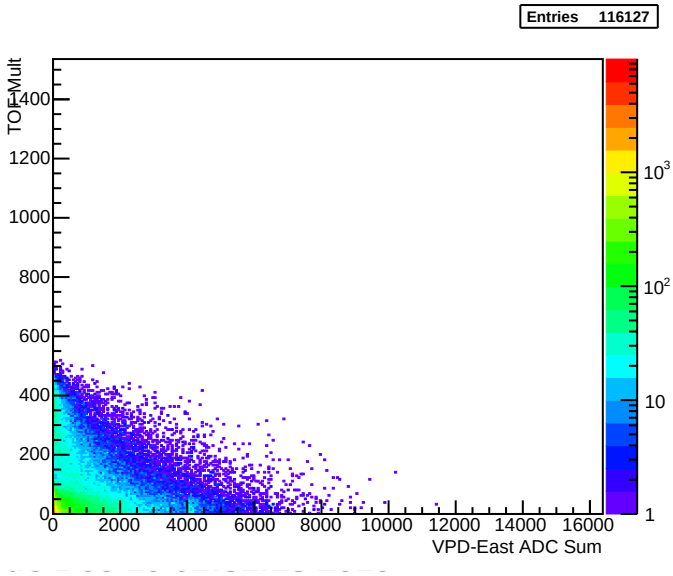

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

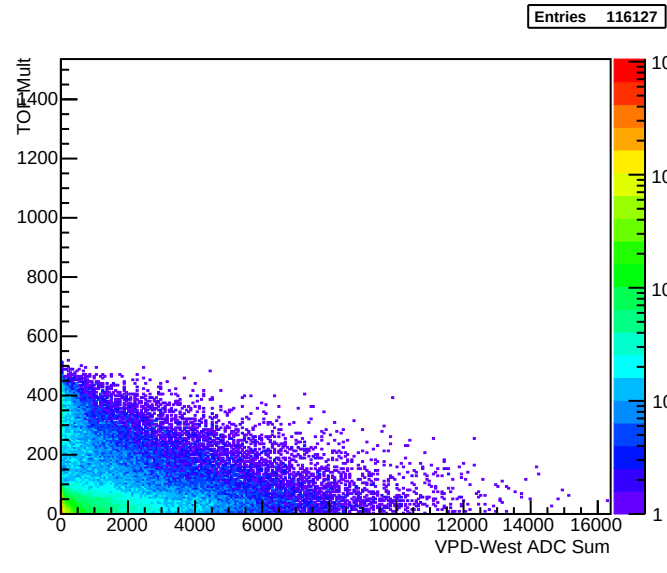

Entries 116127
TOF-Mult
BBC-S-East ADC Sum

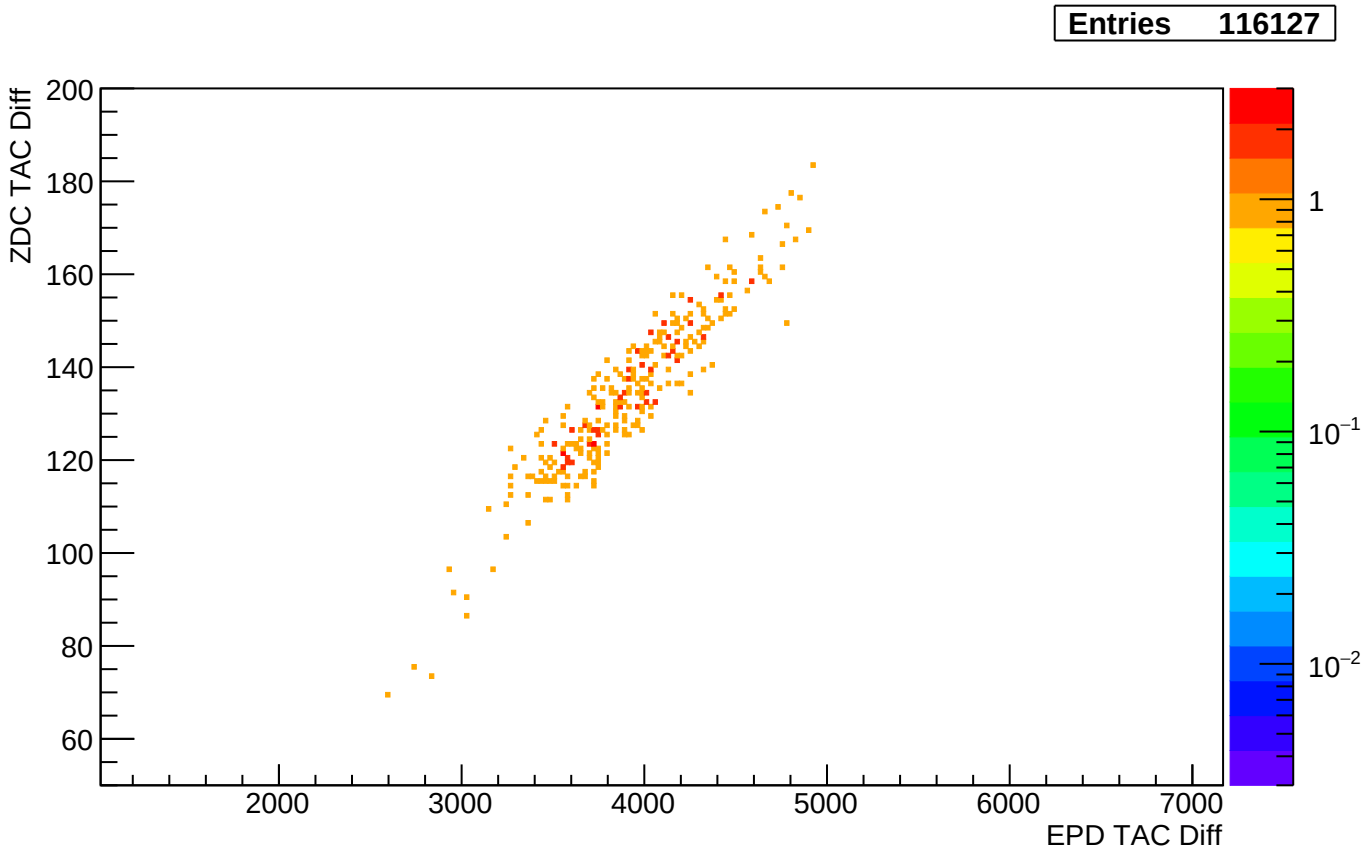

Entries 116127
TOF-Mult
BBC-S-West ADC Sum

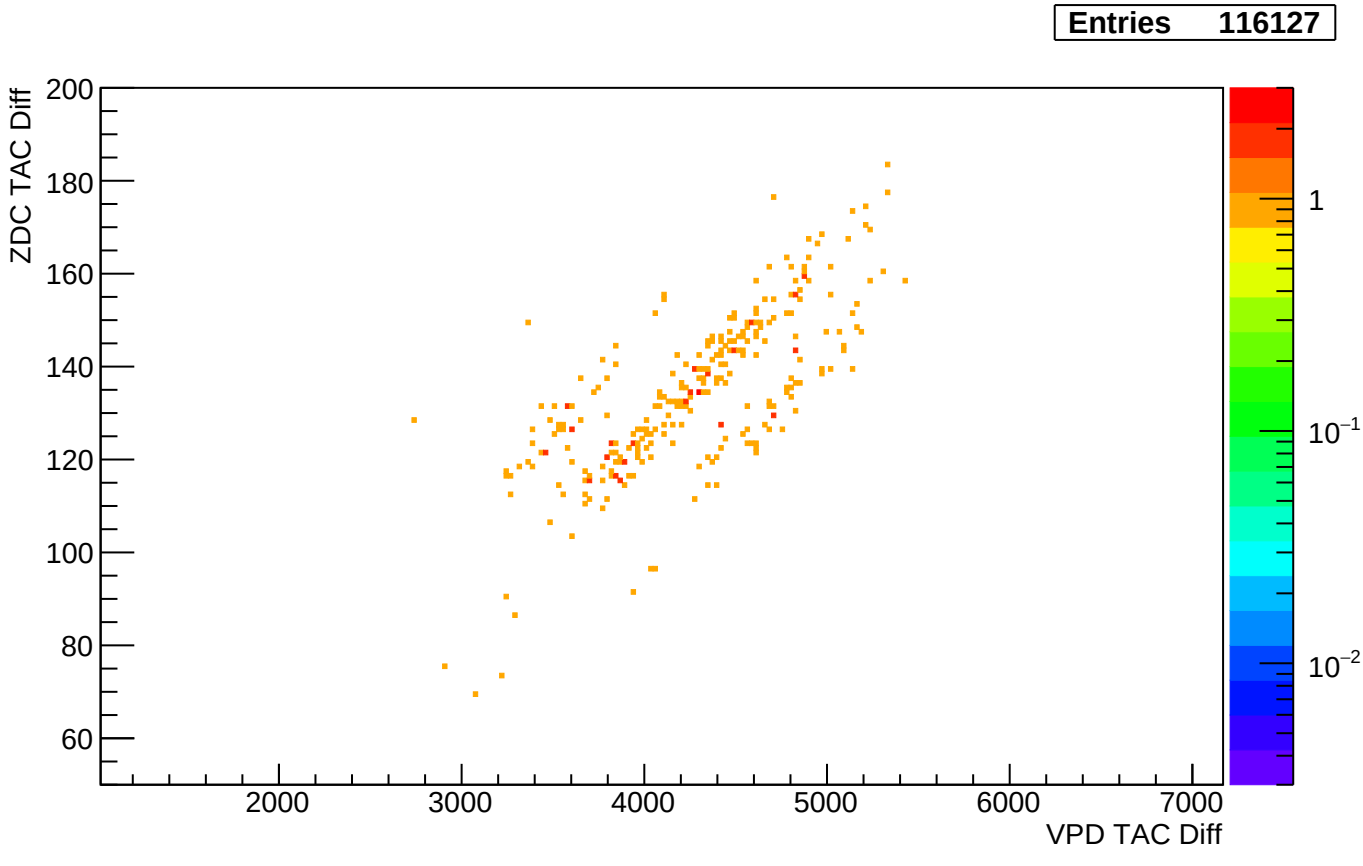

Entries 116127
TOF-Mult
EPD-East Hit Cnt

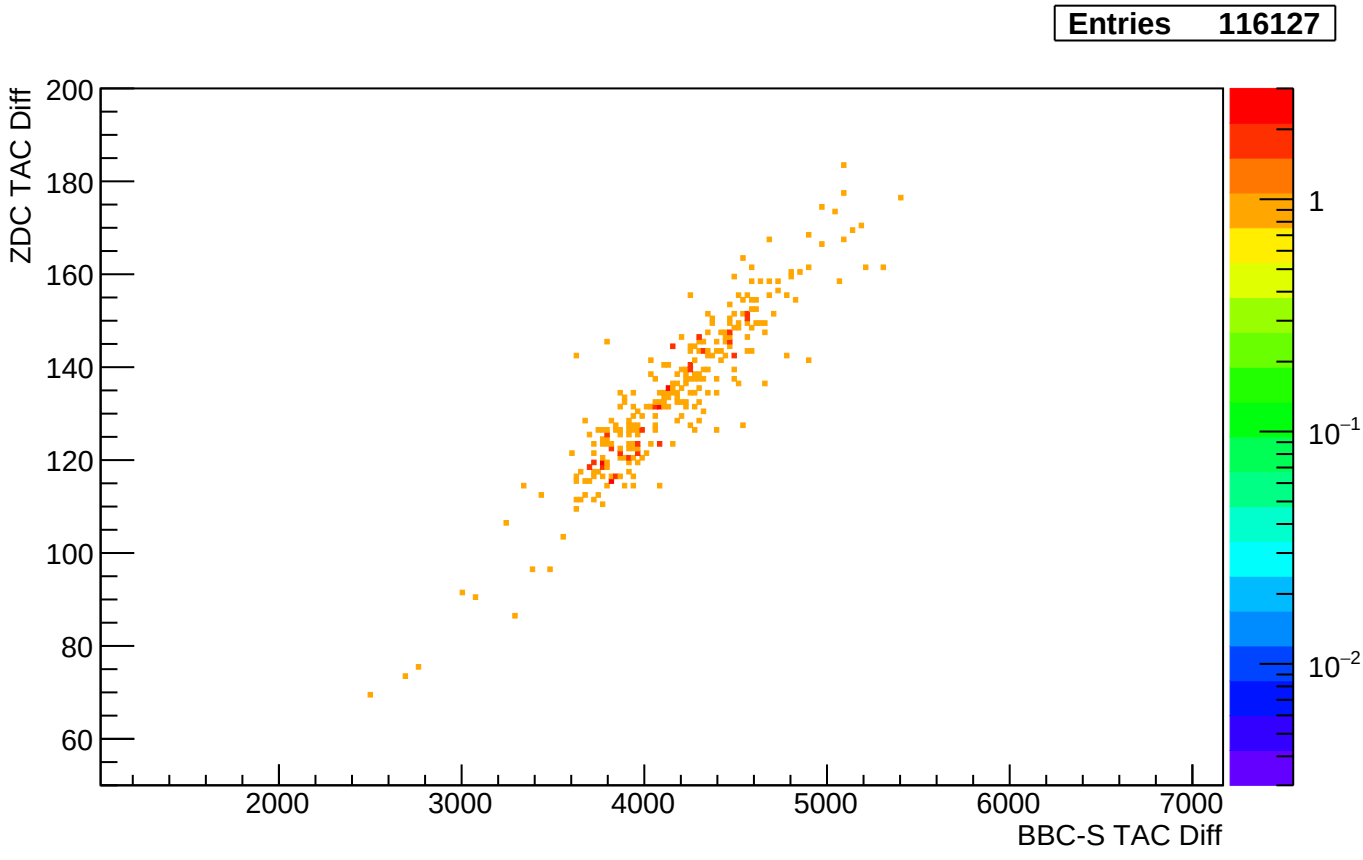

Entries 116127
TOF-Mult
EPD-West Hit Cnt

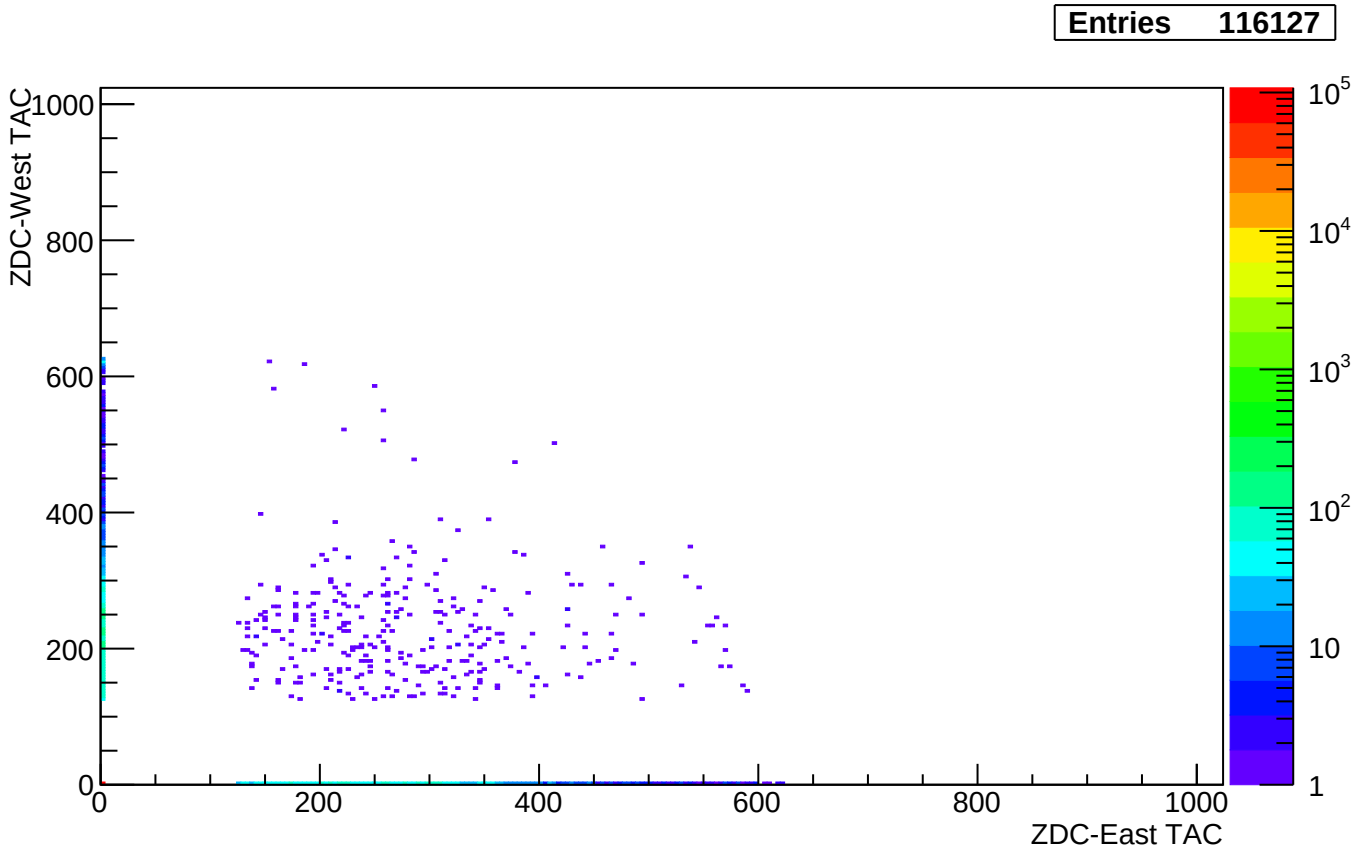

Entries 116127
TOF-Mult
VPD-East ADC Sum

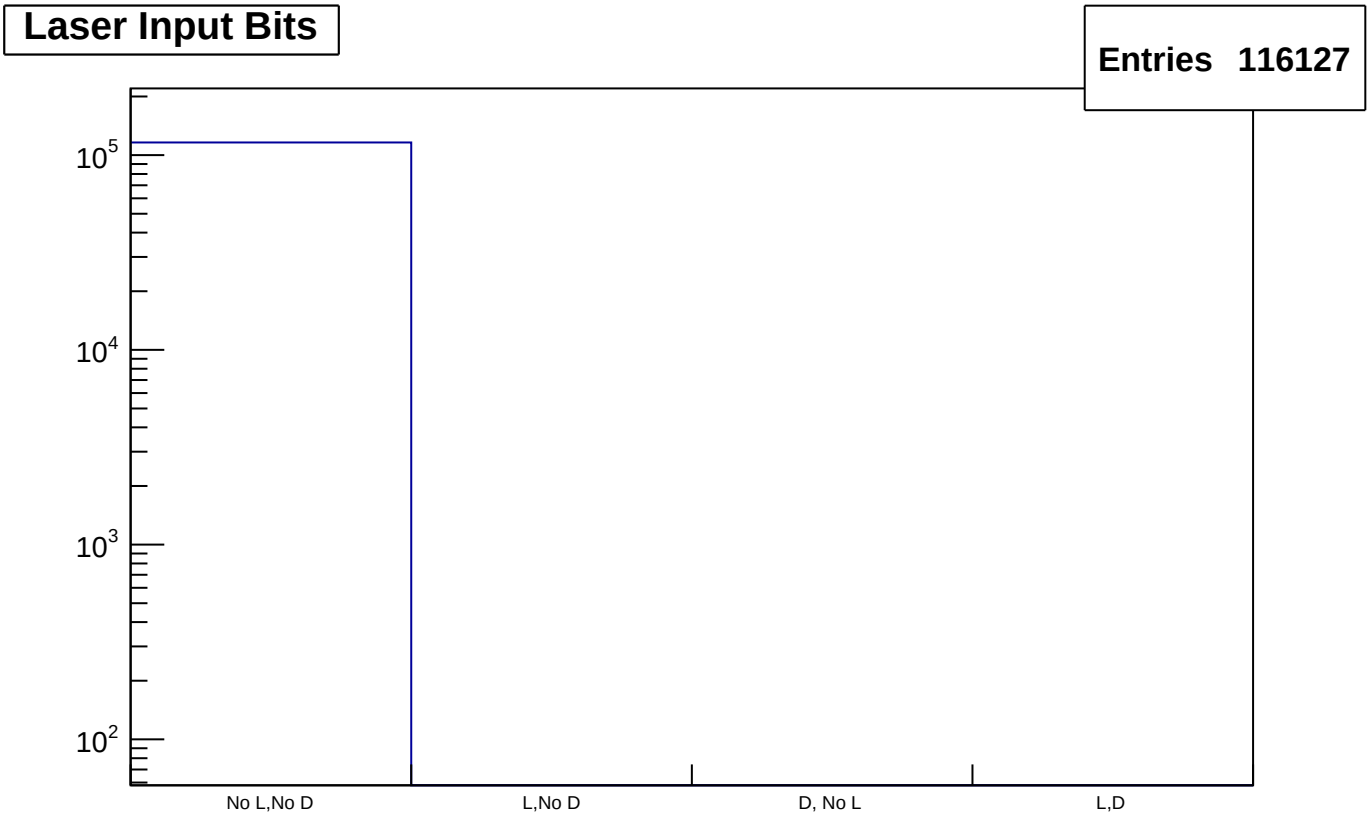

Entries 116127
TOF-Mult
VPD-West ADC Sum

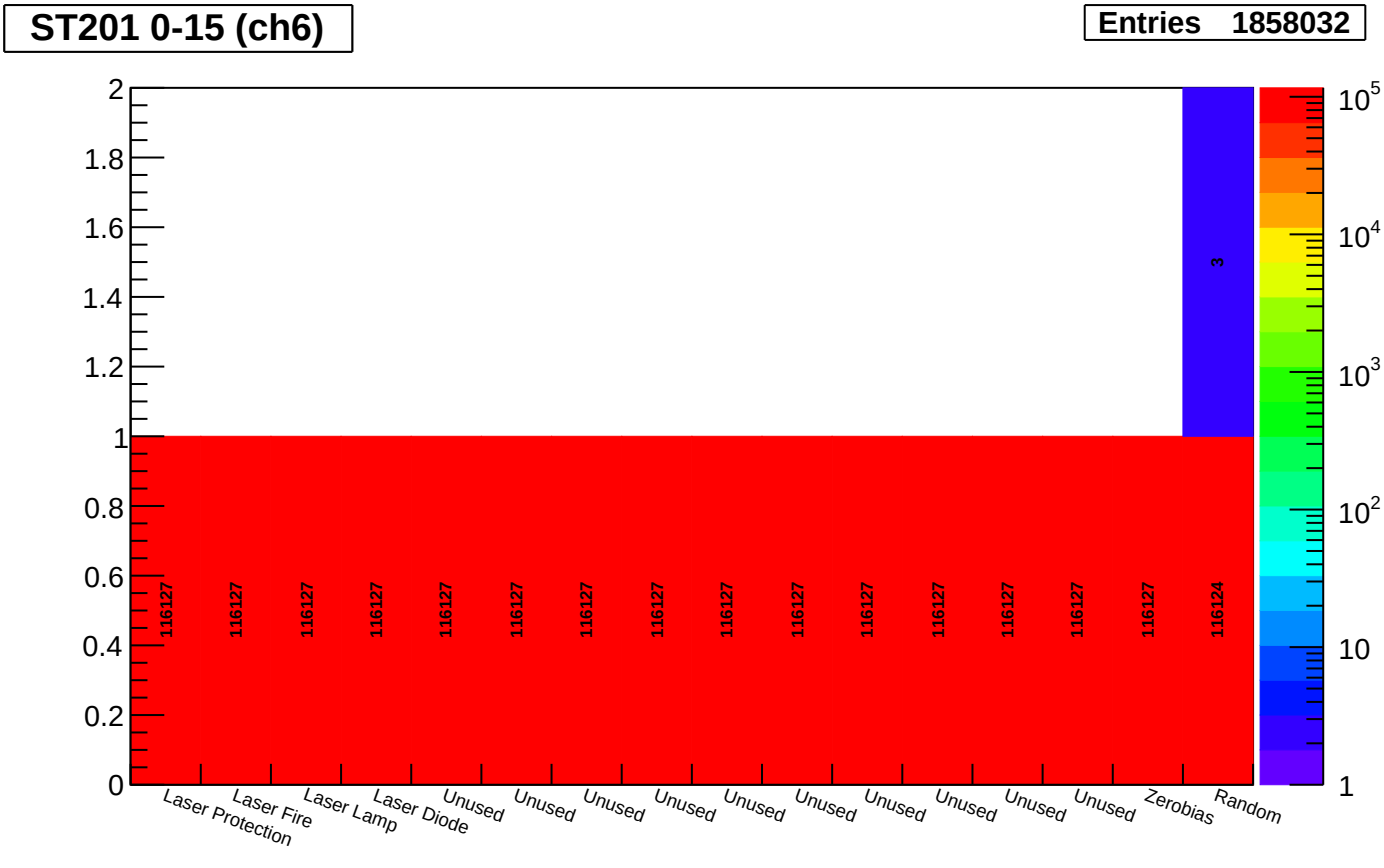

Entries 116127
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

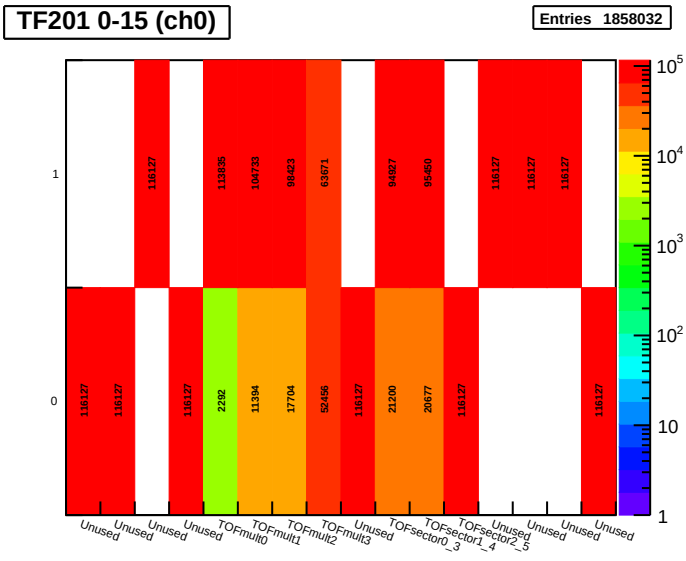

Entries 116127
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

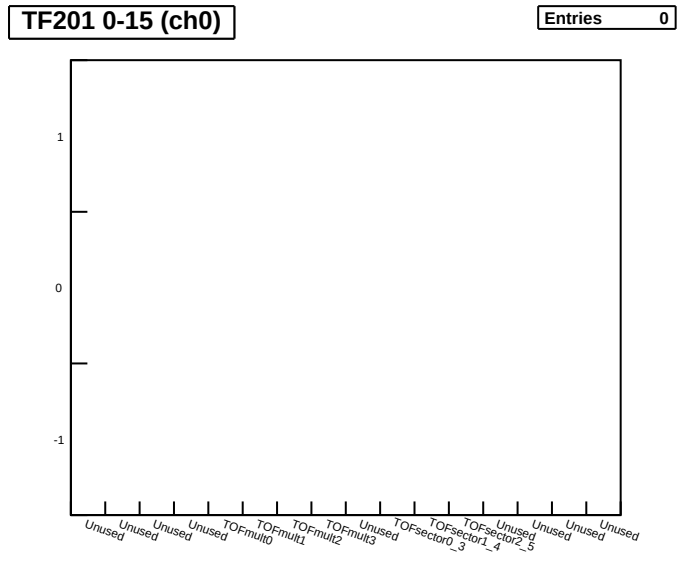

Entries 116127
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

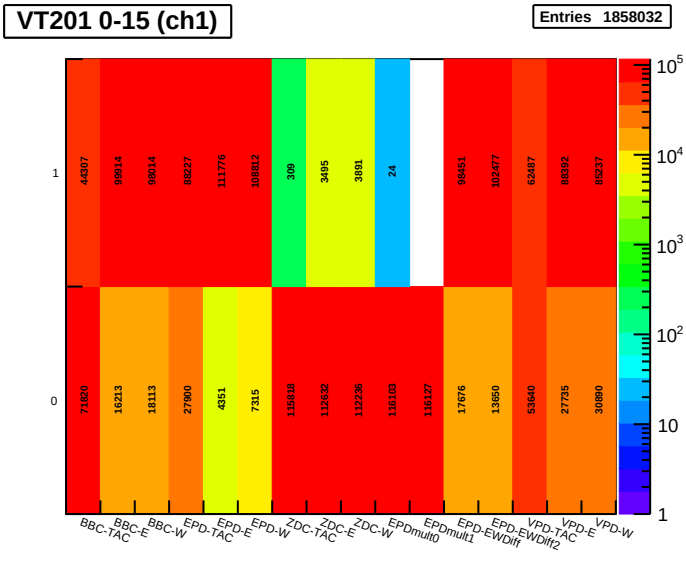

Entries 116127
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

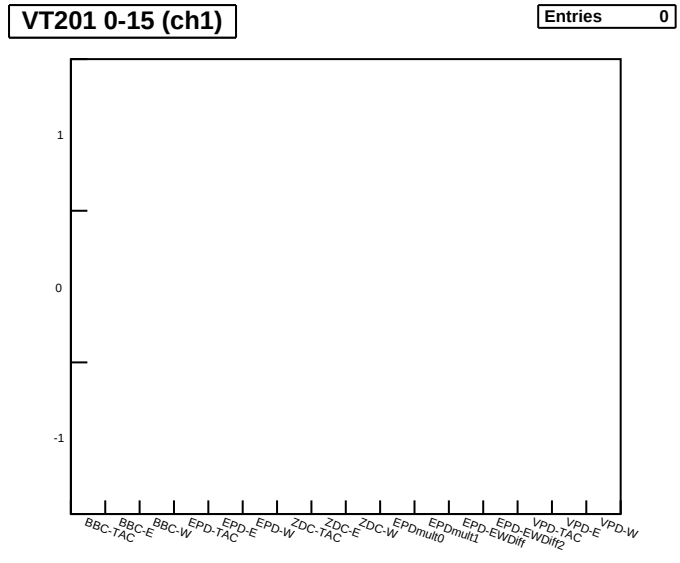

Laser Input Bits
Entries 116127
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

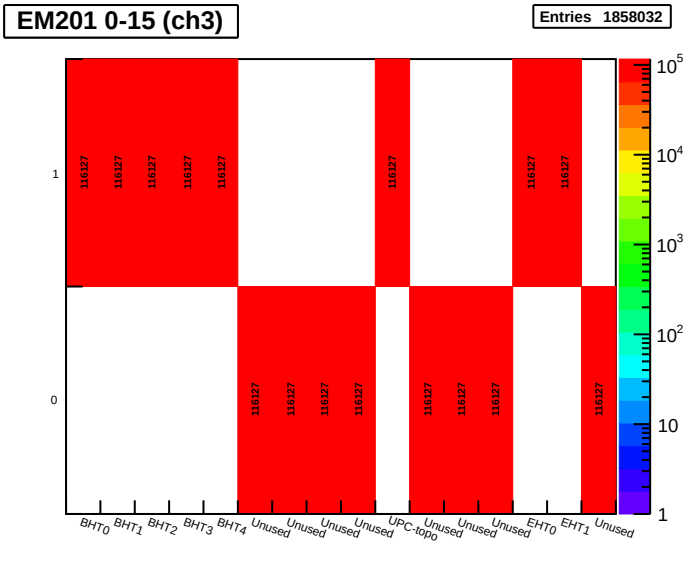

ST201 0-15 (ch6)
Entries 1858032
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
116127
116127
116127
116127
116127
116127
116127
116127
116127
116127
116127
116127
116127
116127
116124
3
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

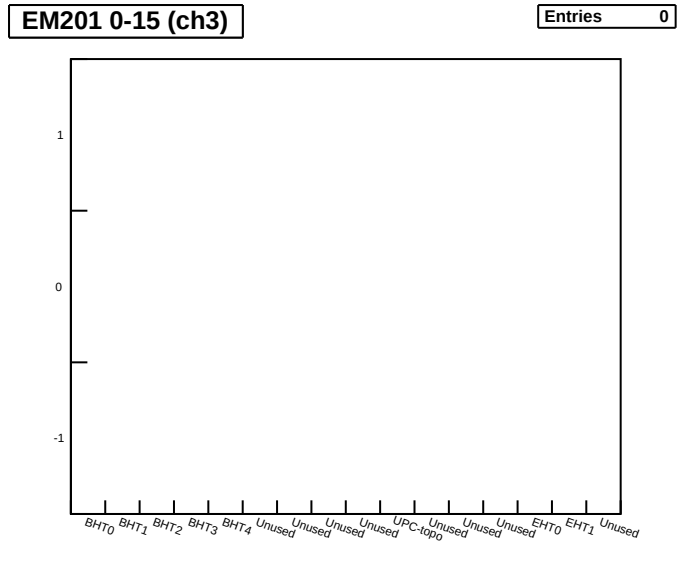

TF201 0-15 (ch0)
Entries 1858032
1
0
116127 116127 116127 113835 104733 98423 63671 94927 95450 116127 116127 116127
116127 116127 116127 2292 11394 17704 52456 116127 21200 20677 116127 116127
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 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 Unused


VT201 0-15 (ch1)
Entries 1858032
1
0
44307 99914 98014 83227 111776 108812 309 3495 3891 24 99451 102477 62487 83392 85237
71820 16213 18113 27900 4351 7315 115818 112632 112236 116103 116127 17676 13660 53640 27735 30890
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
10^5 10^4 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 1858032
1
0
116127 116127 116127 116127 116127 116127 116127 116127
116127 116127 116127 116127 116127 116127 116127 116127
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^5 10^4 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