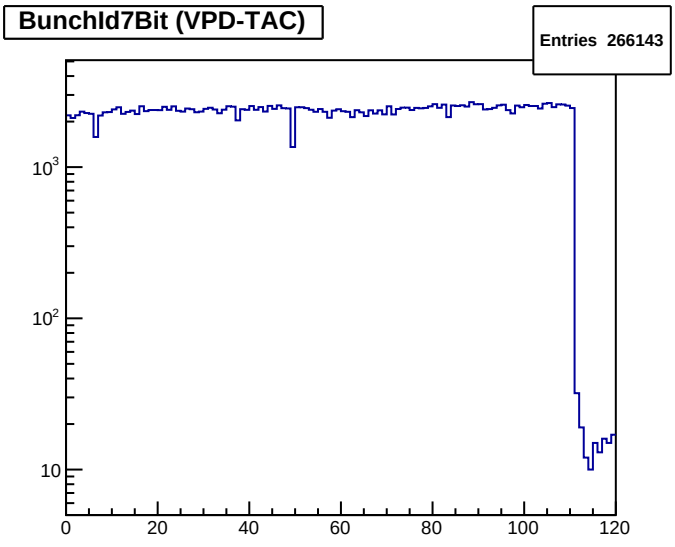
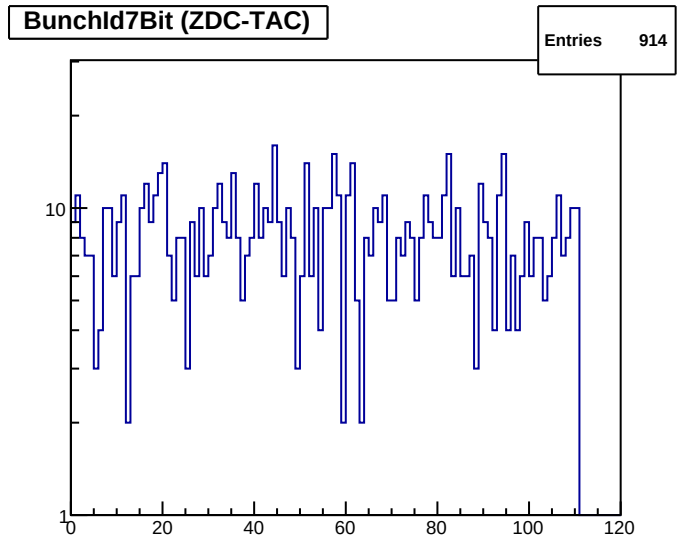
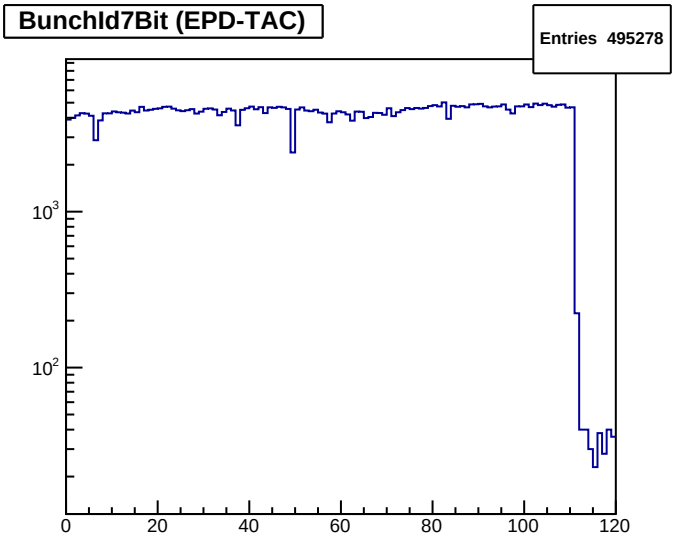
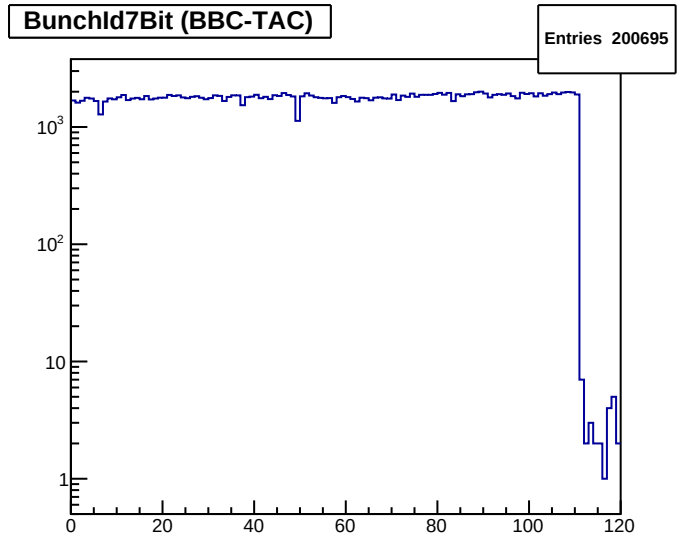
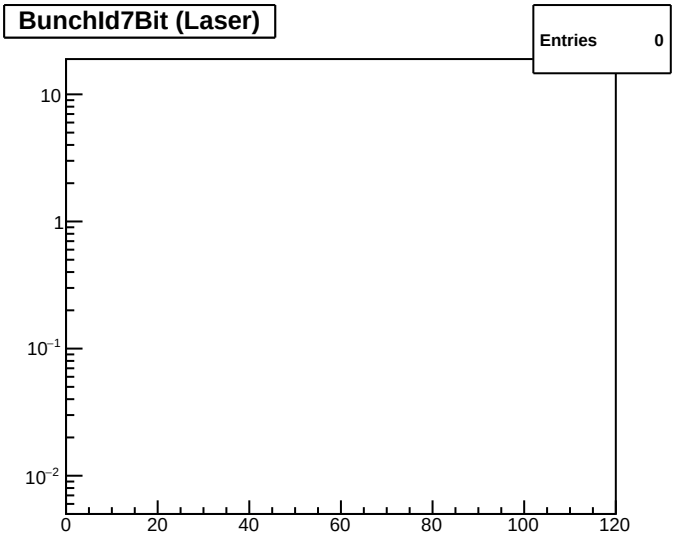
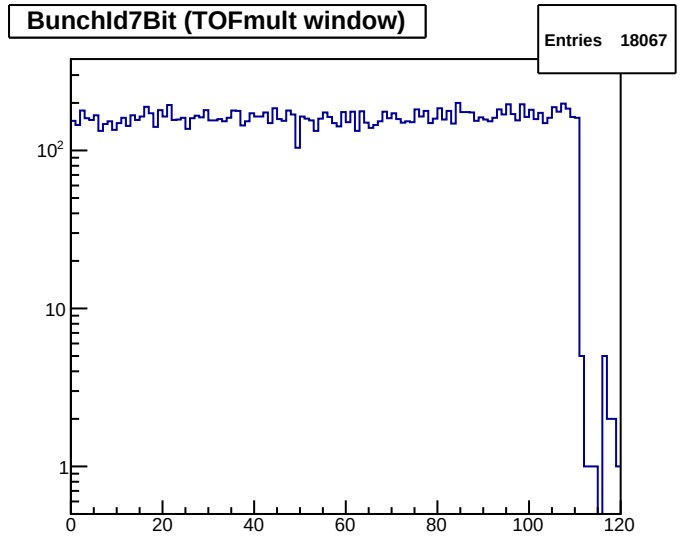

BunchId7Bit (VPD-TAC)
Entries 266143
10^3
10^2
10
0 20 40 60 80 100 120

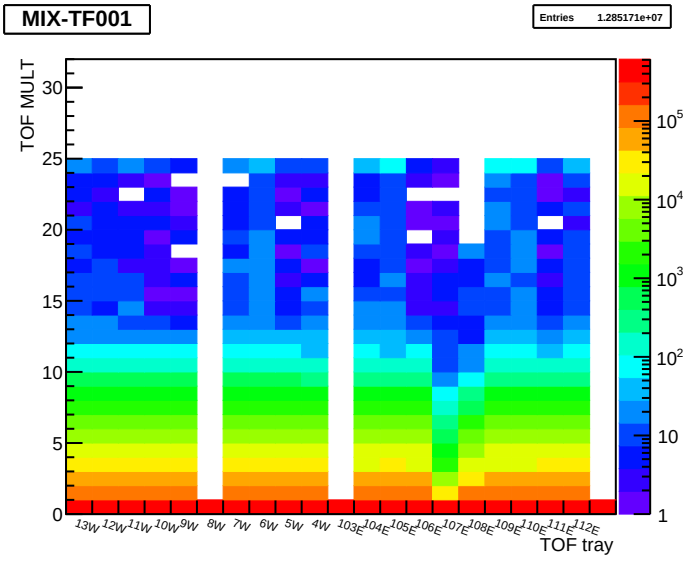

BunchId7Bit (ZDC-TAC)
Entries 914
10
1
0 20 40 60 80 100 120

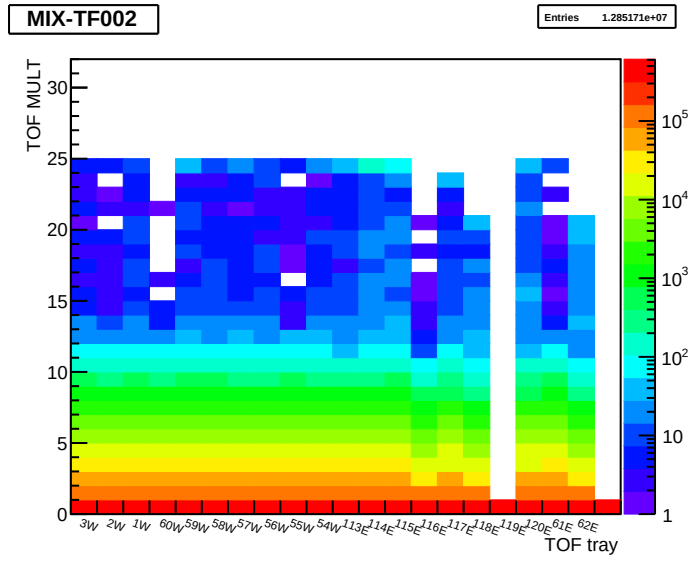

BunchId7Bit (EPD-TAC)
Entries 495278
10^3
10^2
0 20 40 60 80 100 120

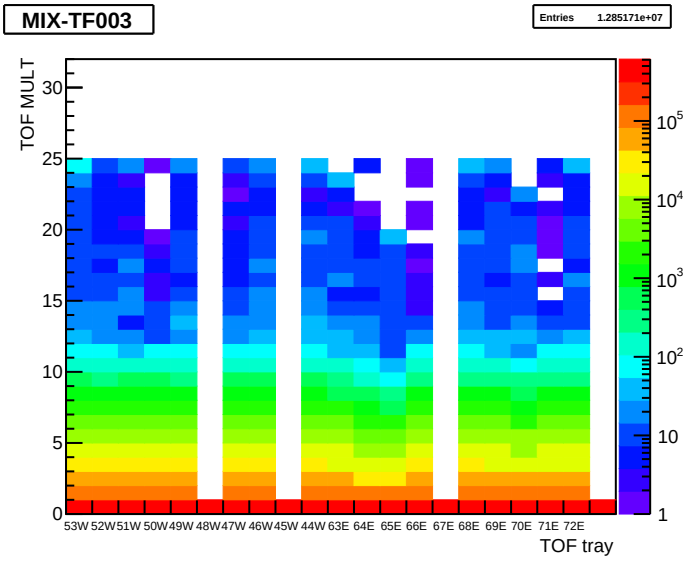

BunchId7Bit (BBC-TAC)
Entries 200695
10^3
10^2
10
1
0 20 40 60 80 100 120

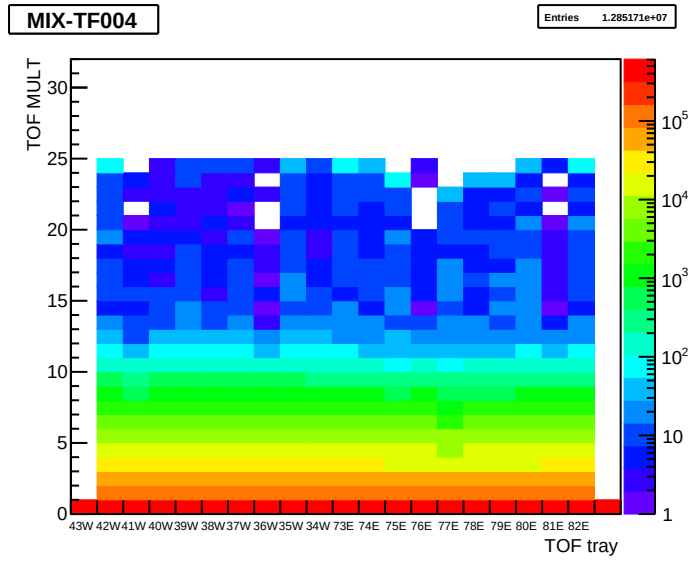

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

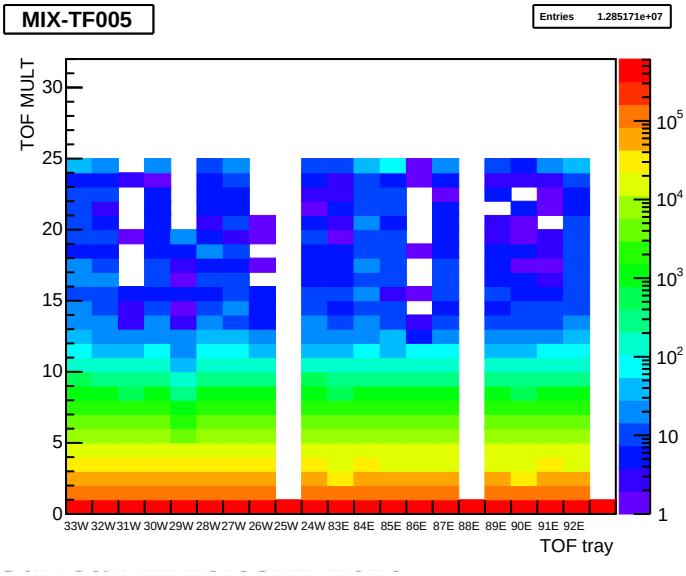

BunchId7Bit (TOFmult window)
Entries 18067
10^2
10
1
0 20 40 60 80 100 120

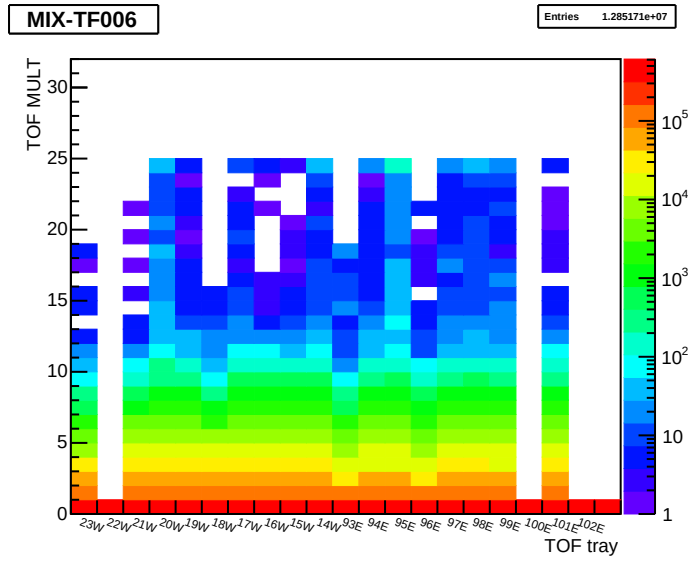

MIX-TF001
Entries 1.285171e+07
TOF MULT
TOF tray

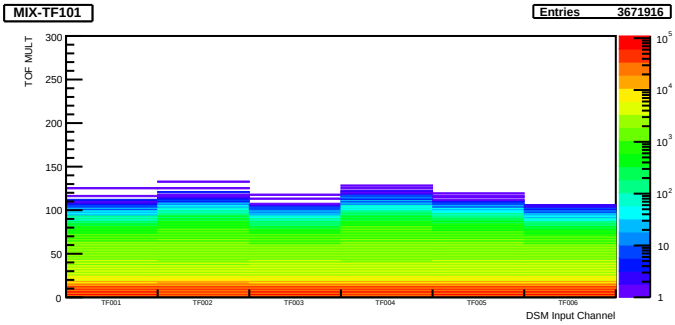

MIX-TF002
Entries 1.285171e+07
TOF MULT
TOF tray

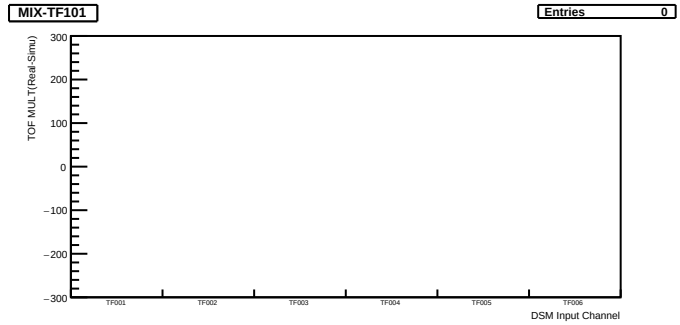

MIX-TF003
Entries 1.285171e+07
TOF MULT
TOF tray

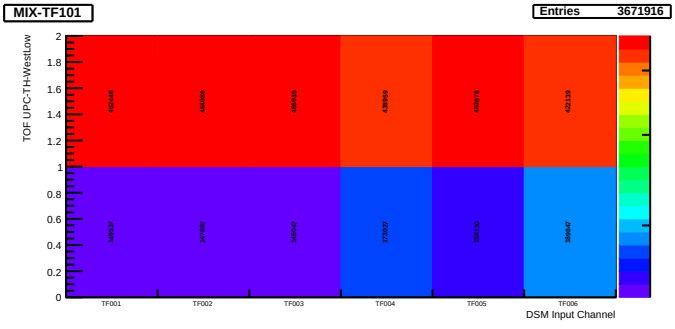

MIX-TF004
Entries 1.285171e+07
TOF MULT
TOF tray

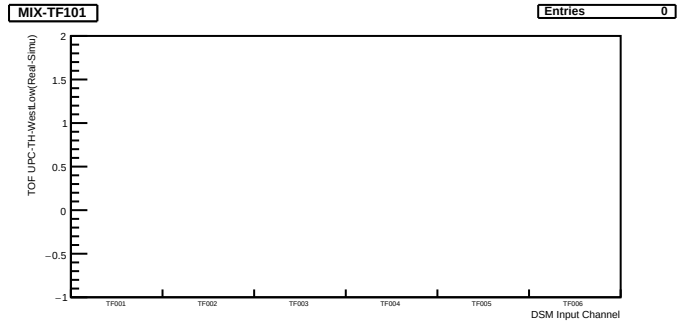

MIX-TF005
Entries 1.285171e+07
TOF MULT
TOF tray

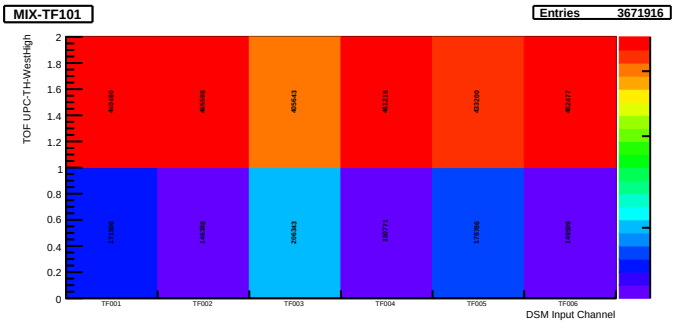

MIX-TF006
Entries 1.285171e+07
TOF MULT
TOF tray

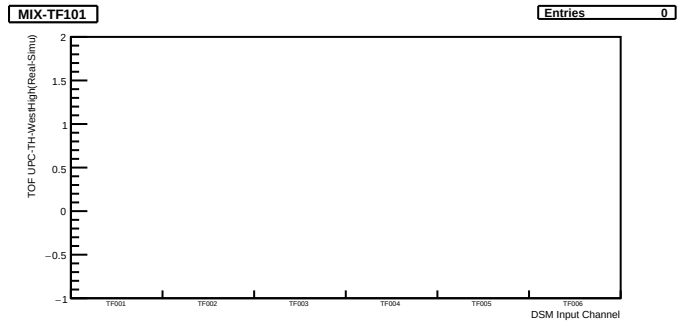

MIX-TF101
Entries 3671916
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

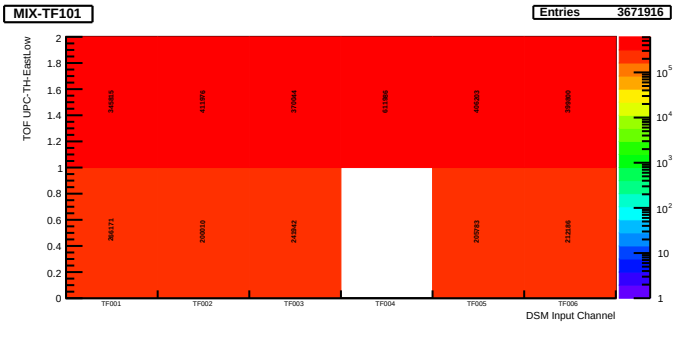

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

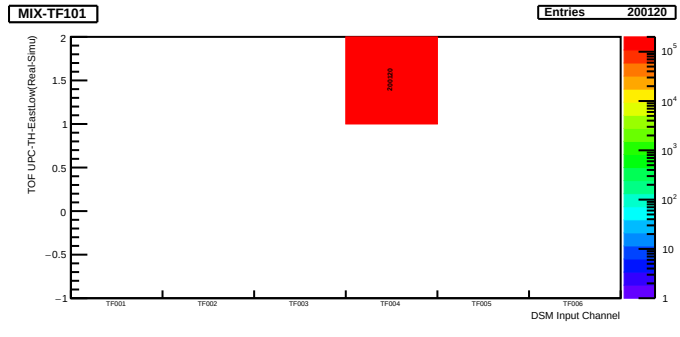

MIX-TF101
Entries 3671916
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

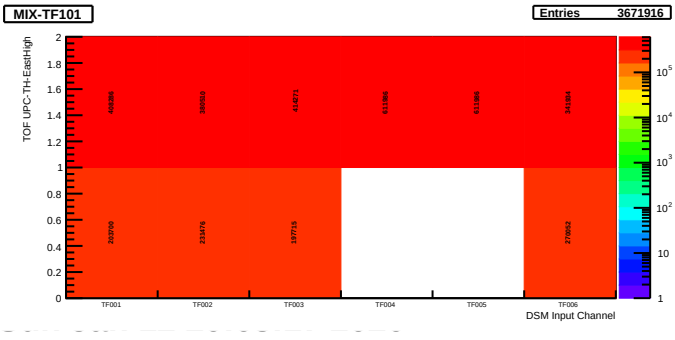

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

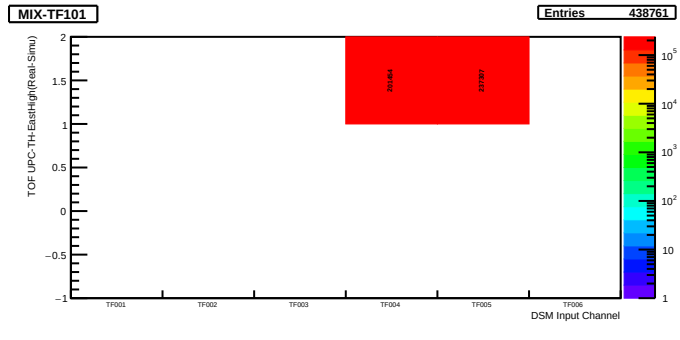

MIX-TF101
Entries 3671916
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

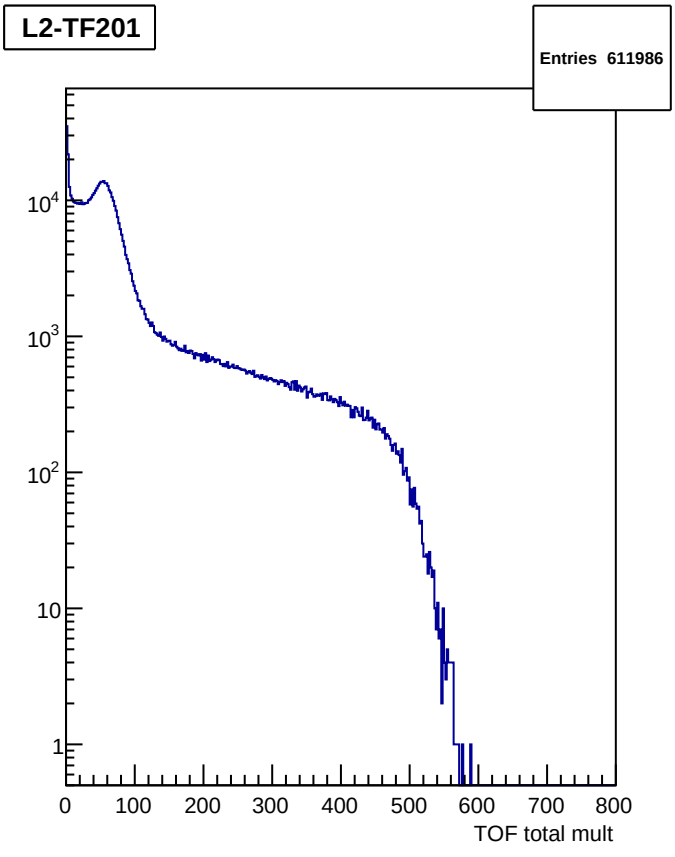

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

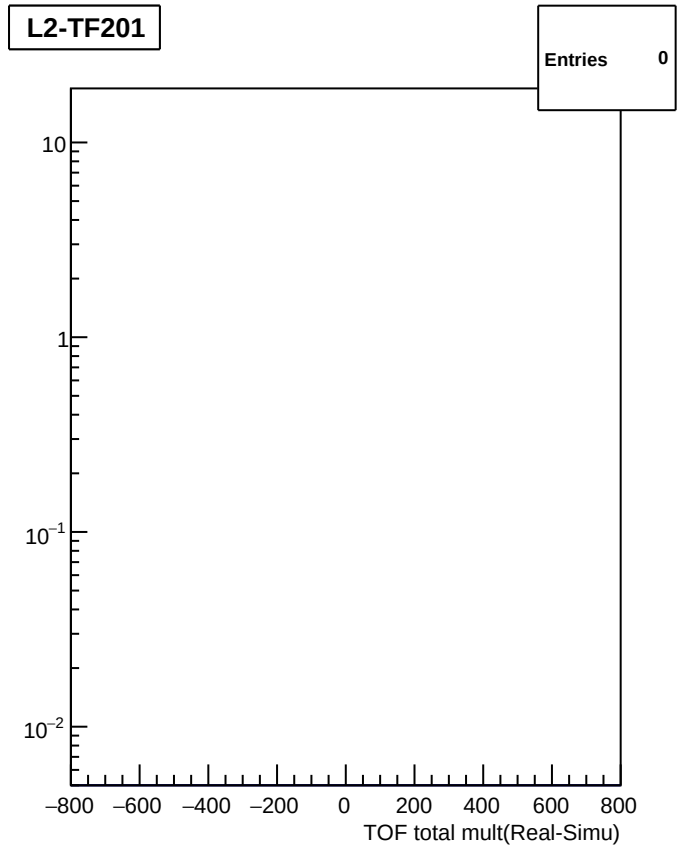

MIX-TF101
Entries 3671916
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

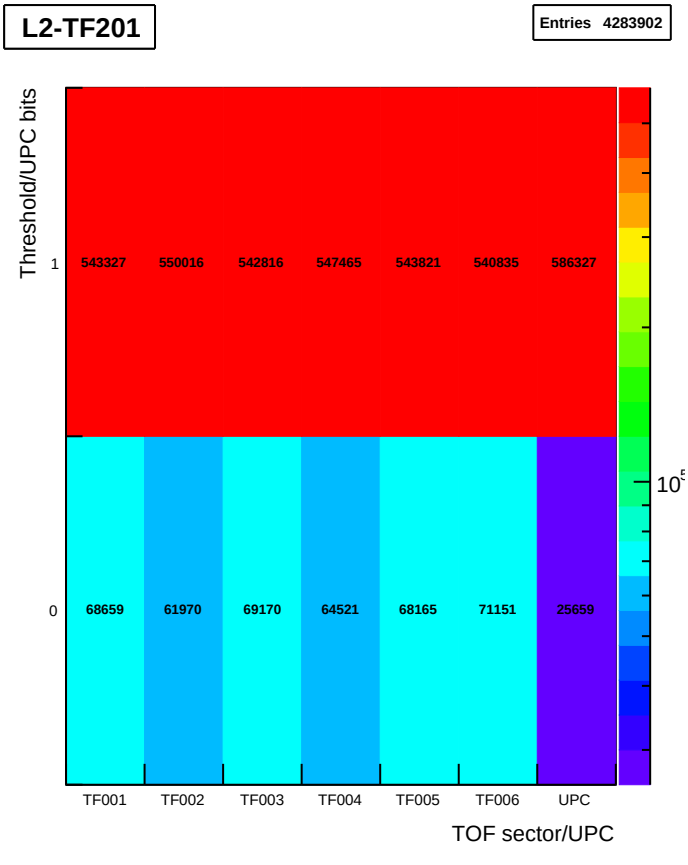

MIX-TF101
Entries 200120
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

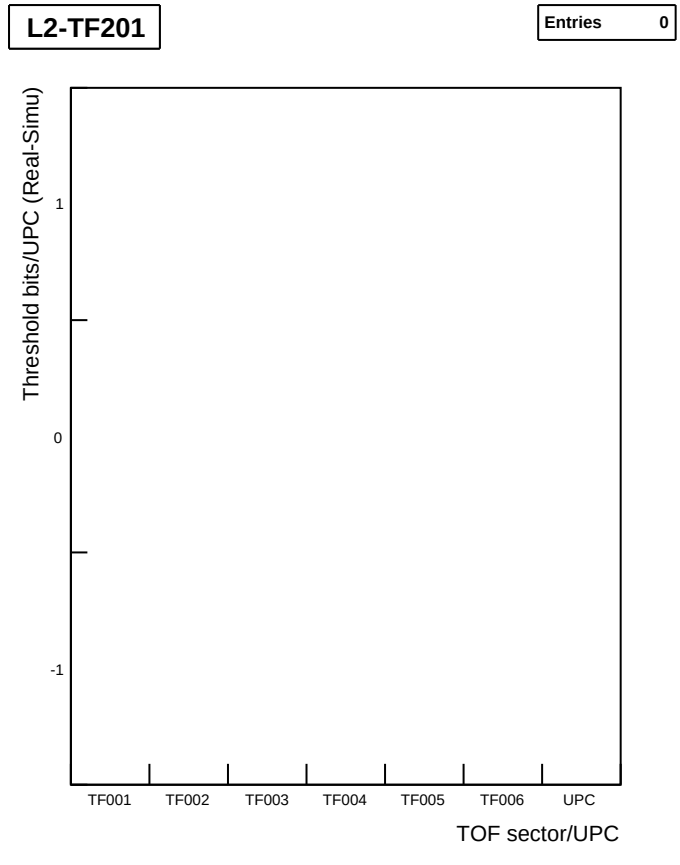

MIX-TF101
Entries 3671916
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

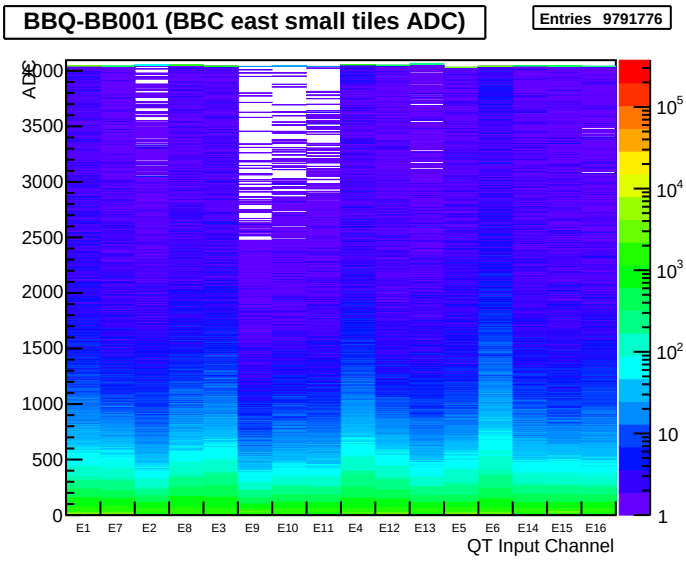

MIX-TF101
Entries 438761
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

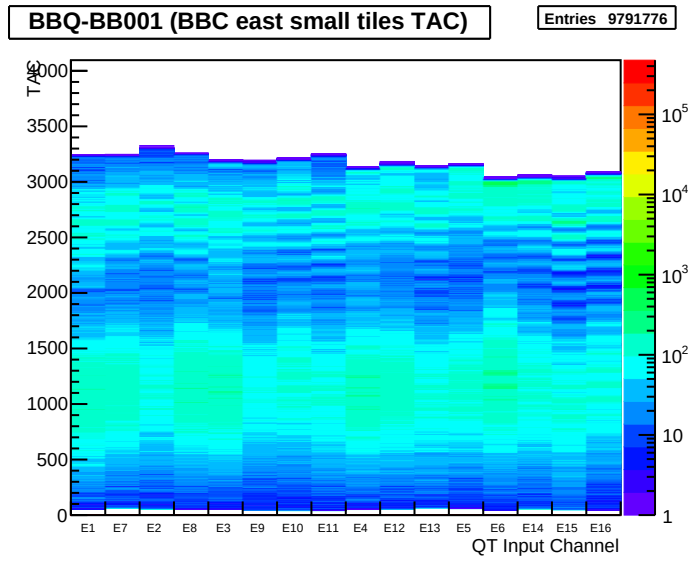

L2-TF201
Entries 611986
TOF total mult

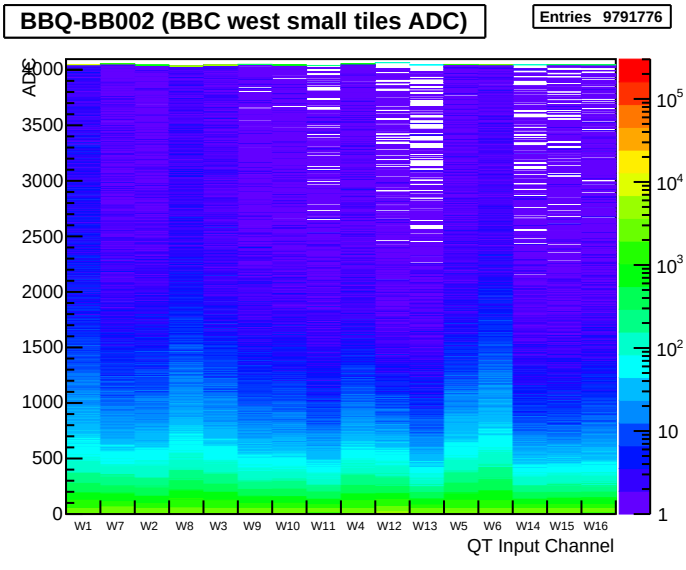

L2-TF201
Entries 0
TOF total mult(Real-Simu)

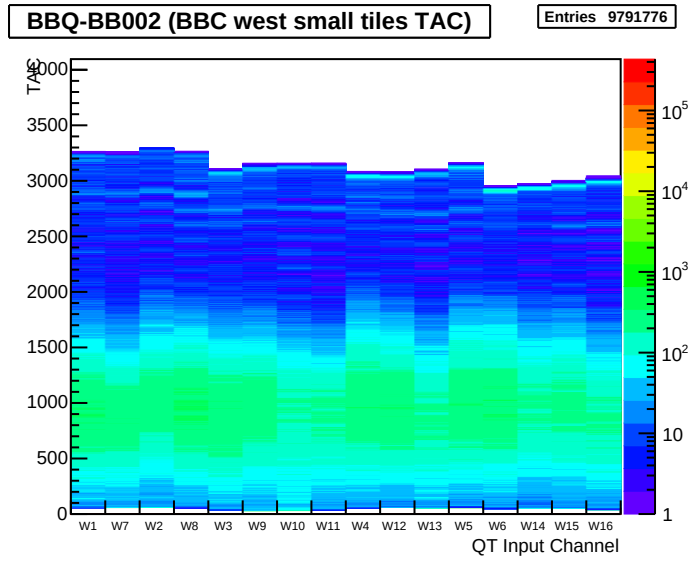

L2-TF201
Entries 4283902
Threshold/UPC bits
543327
550016
542816
547465
543821
540835
586327
68659
61970
69170
64521
68165
71151
25659
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

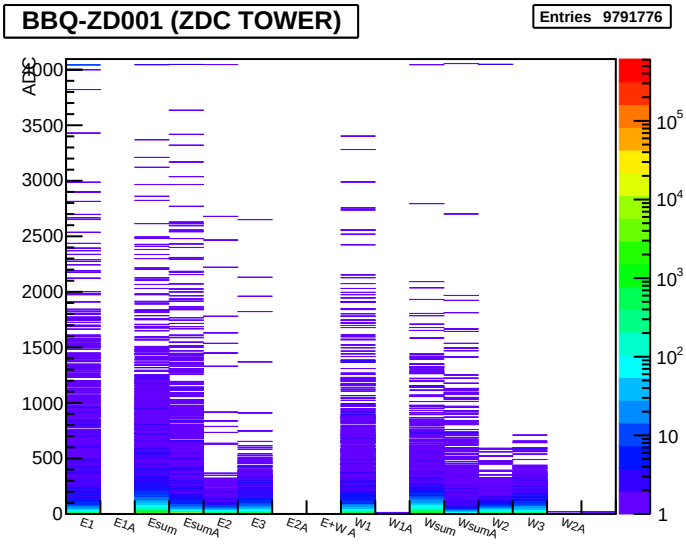

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

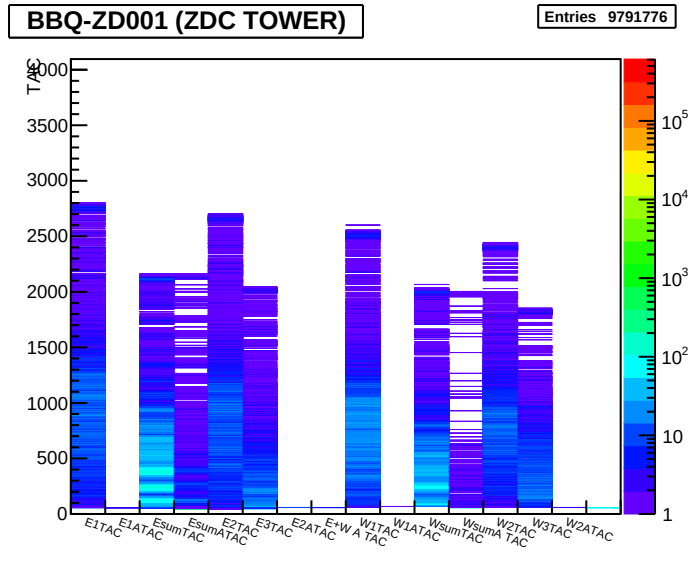

BBQ-BB001 (BBC east small tiles ADC)
Entries 9791776
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

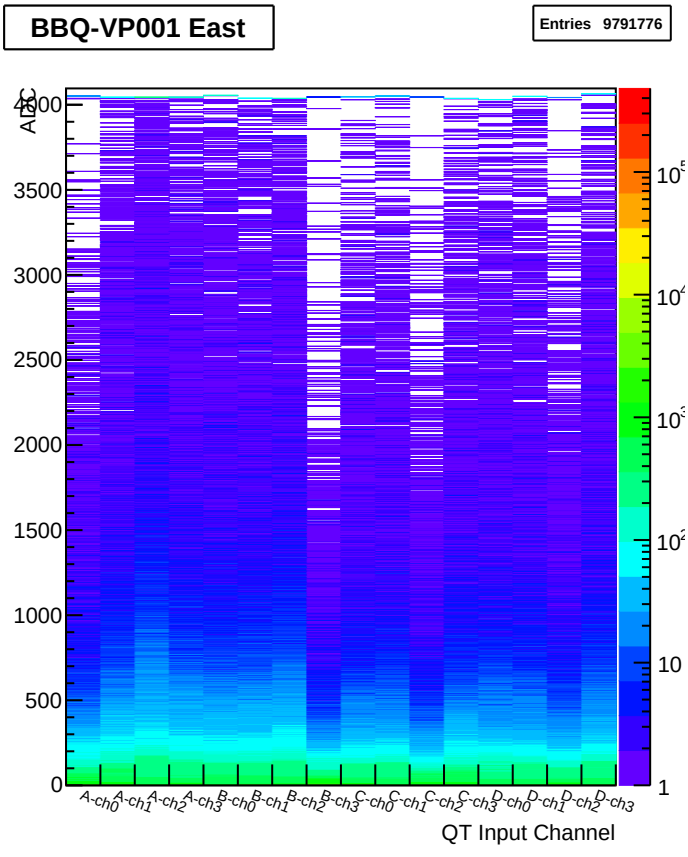

BBQ-BB001 (BBC east small tiles TAC)
Entries 9791776
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

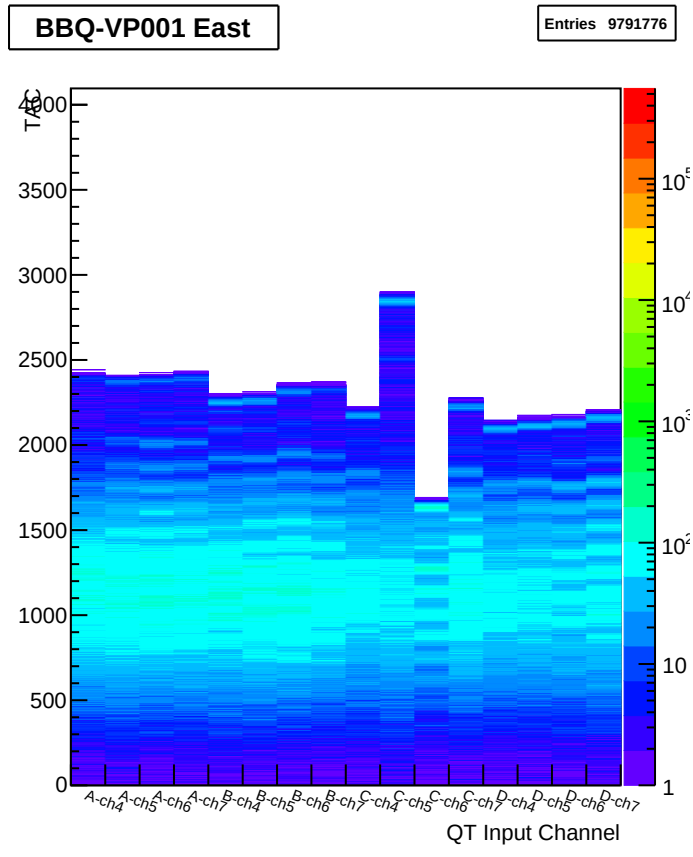

BBQ-BB002 (BBC west small tiles ADC)
Entries 9791776
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

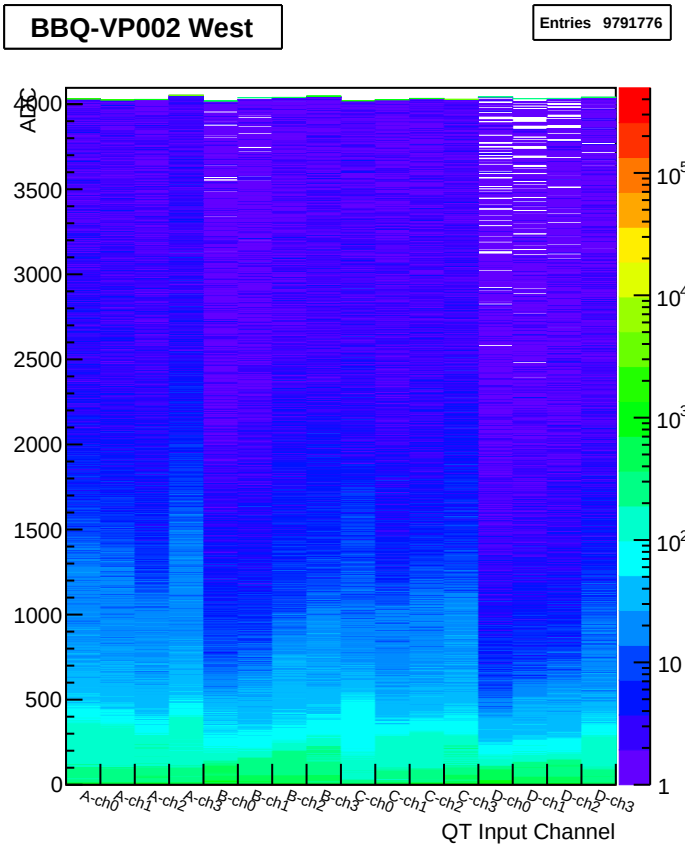

BBQ-BB002 (BBC west small tiles TAC)
Entries 9791776
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

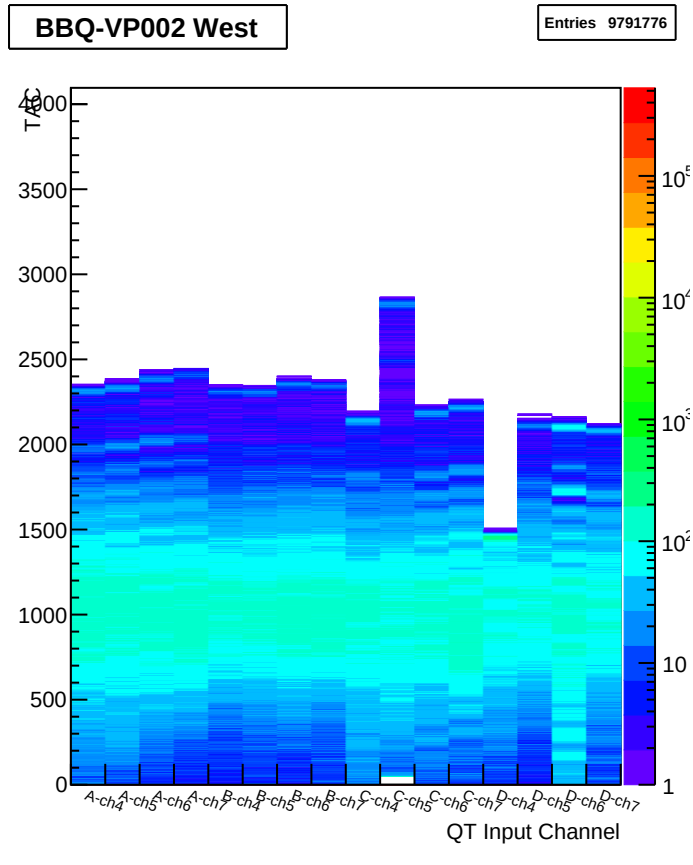

BBQ-ZD001 (ZDC TOWER)
Entries 9791776
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

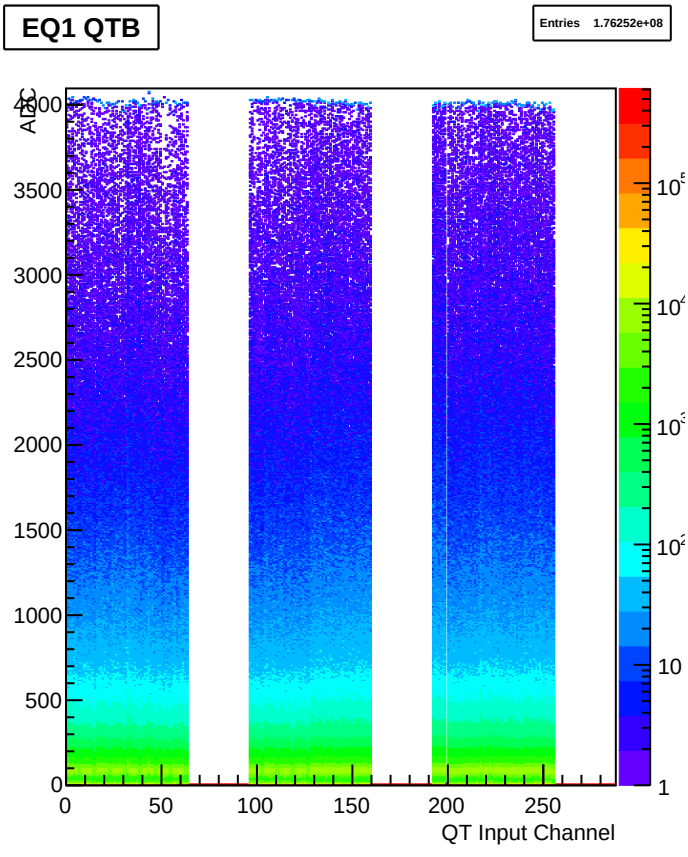

BBQ-ZD001 (ZDC TOWER)
Entries 9791776
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

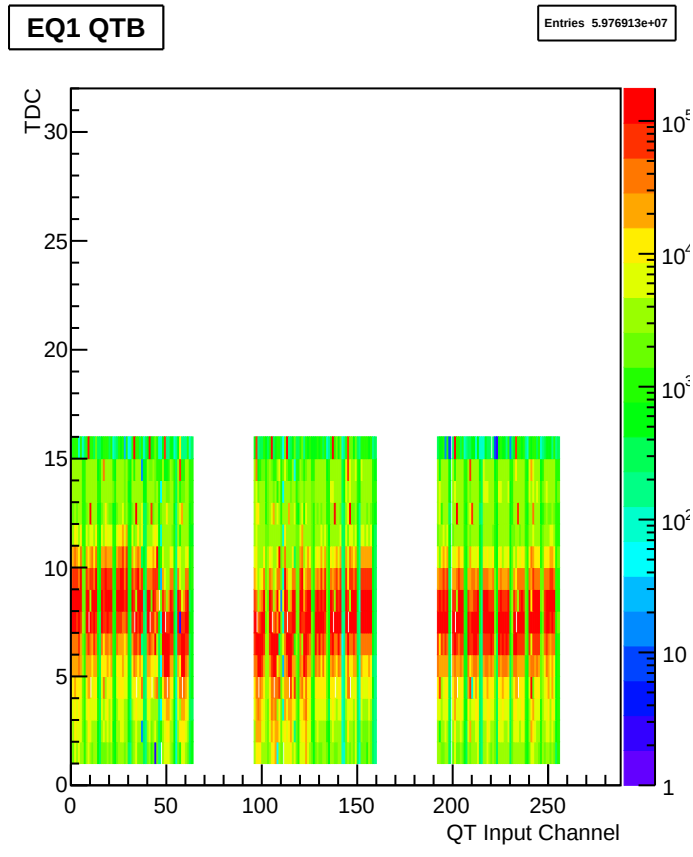

BBQ-VP001 East
Entries 9791776
ADC
QT Input Channel

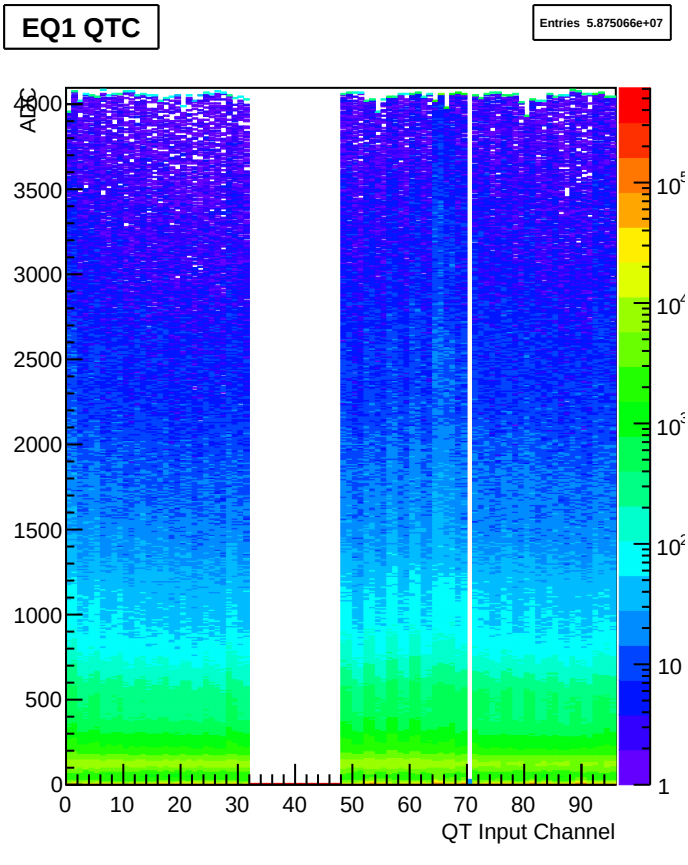

BBQ-VP001 East
Entries 9791776
TADC
QT Input Channel

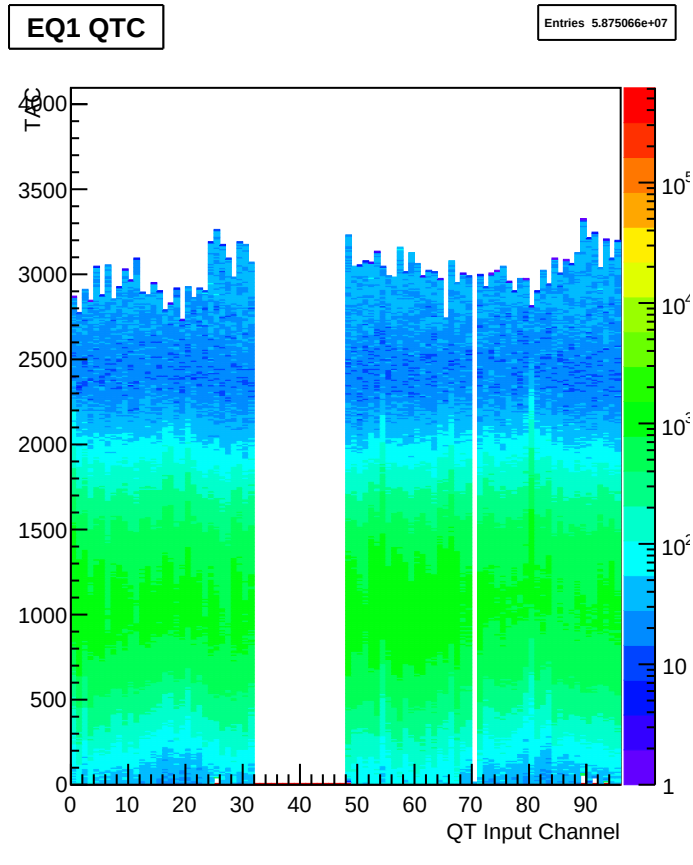

BBQ-VP002 West
Entries 9791776
ADC
QT Input Channel

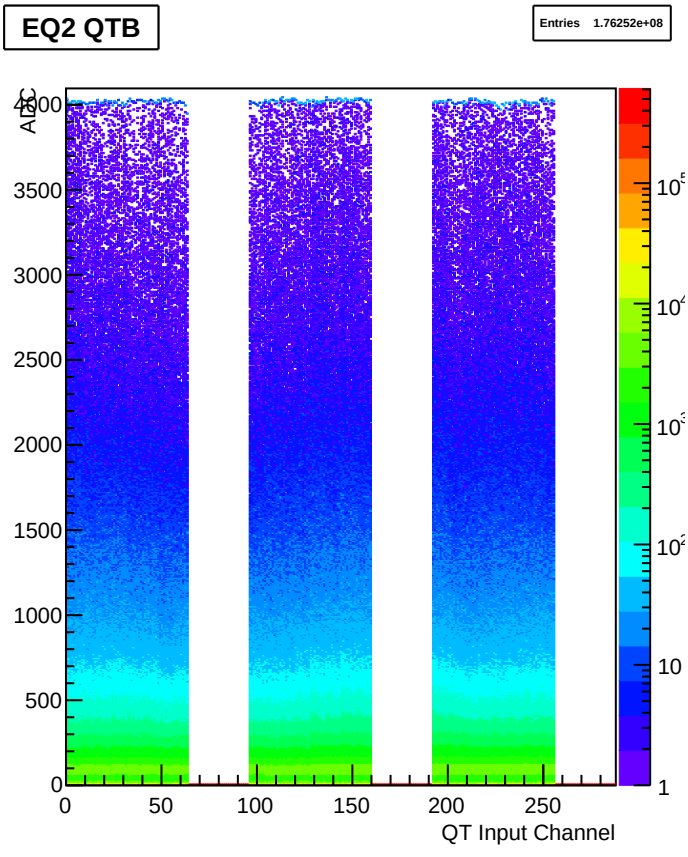

BBQ-VP002 West
Entries 9791776
TADC
QT Input Channel

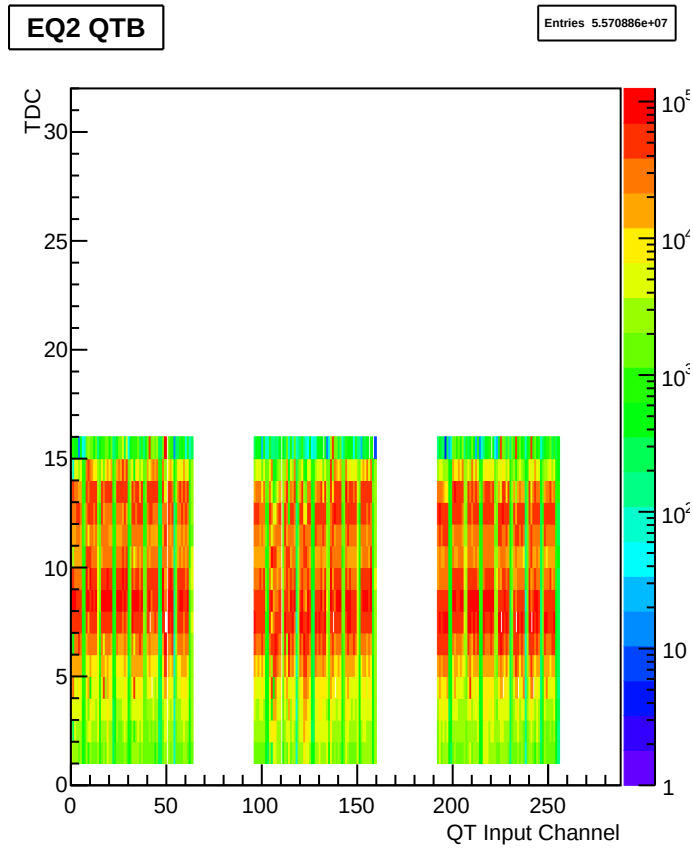

EQ1 QTB
Entries 1.76252e+08
ADC
QT Input Channel

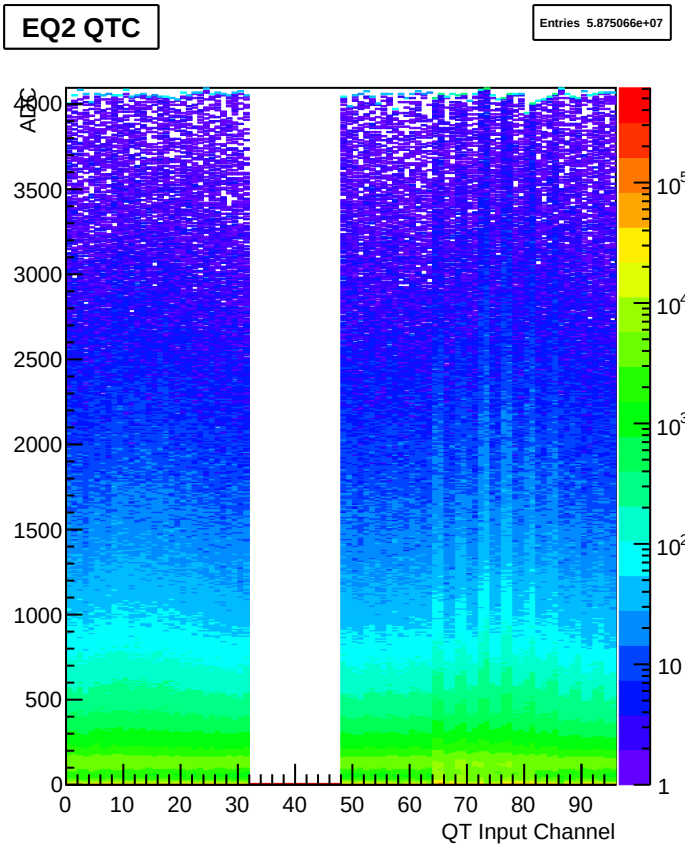

EQ1 QTB
Entries 5.976913e+07
TDC
QT Input Channel

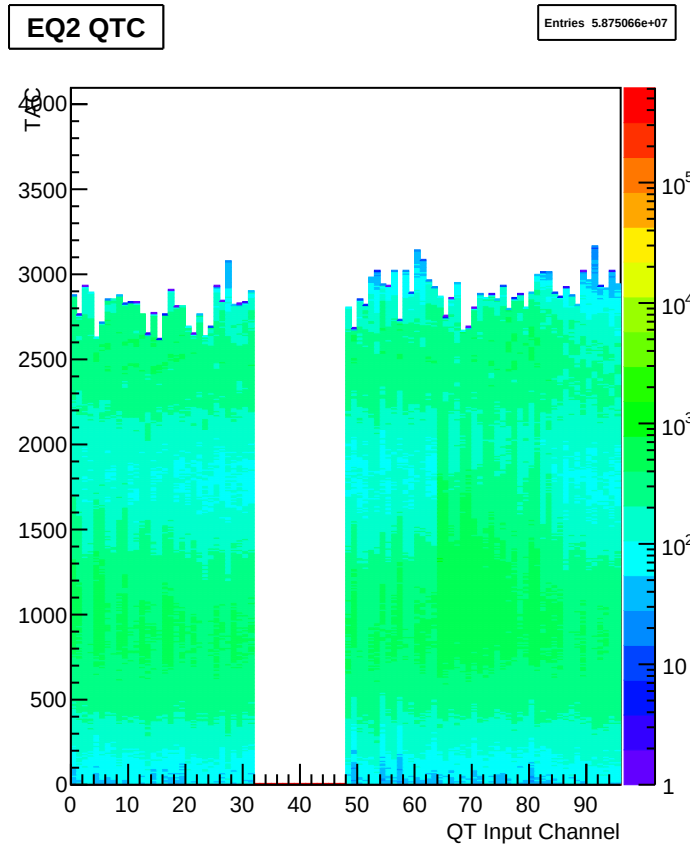

EQ1 QTC
Entries 5.875066e+07
ADC
QT Input Channel

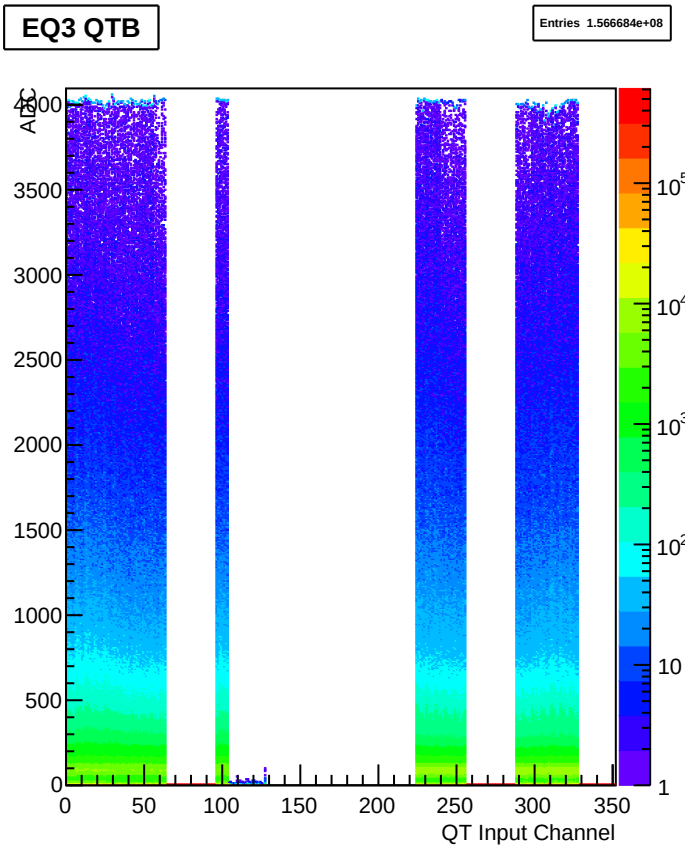

EQ1 QTC
Entries 5.875066e+07
TADC
QT Input Channel

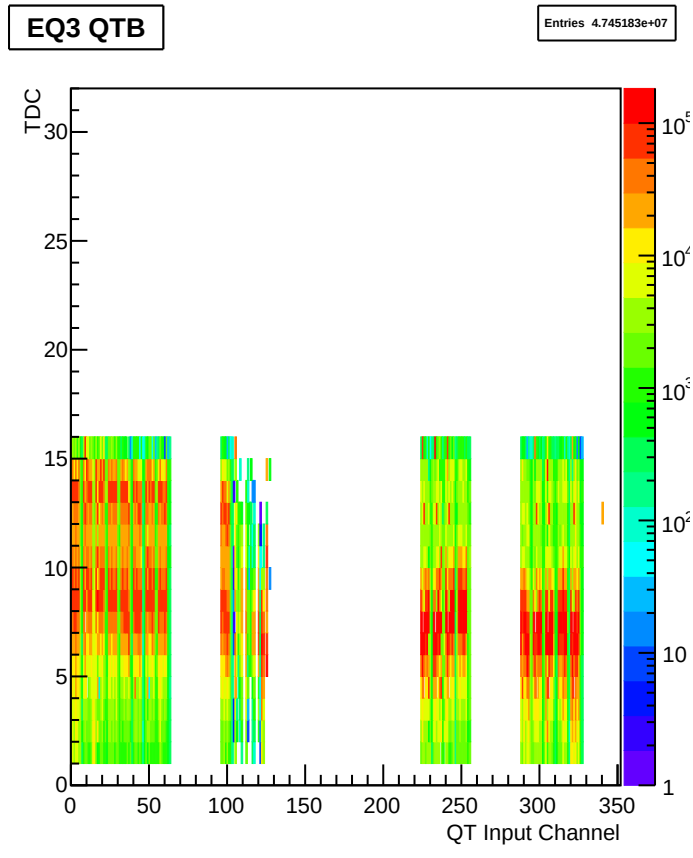

EQ2 QTB
Entries 1.76252e+08
ADC
QT Input Channel

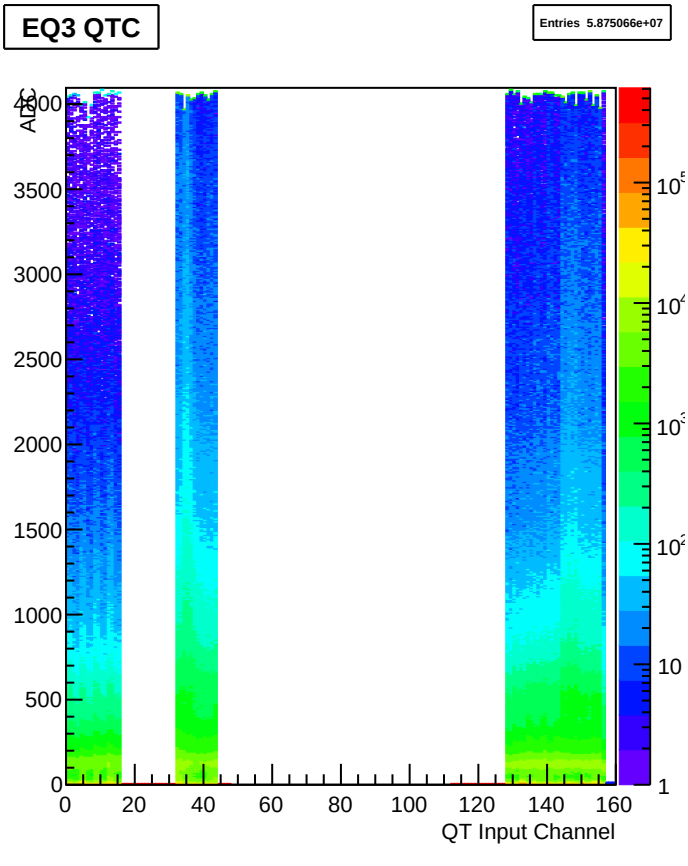

EQ2 QTB
Entries 5.570886e+07
TDC
QT Input Channel

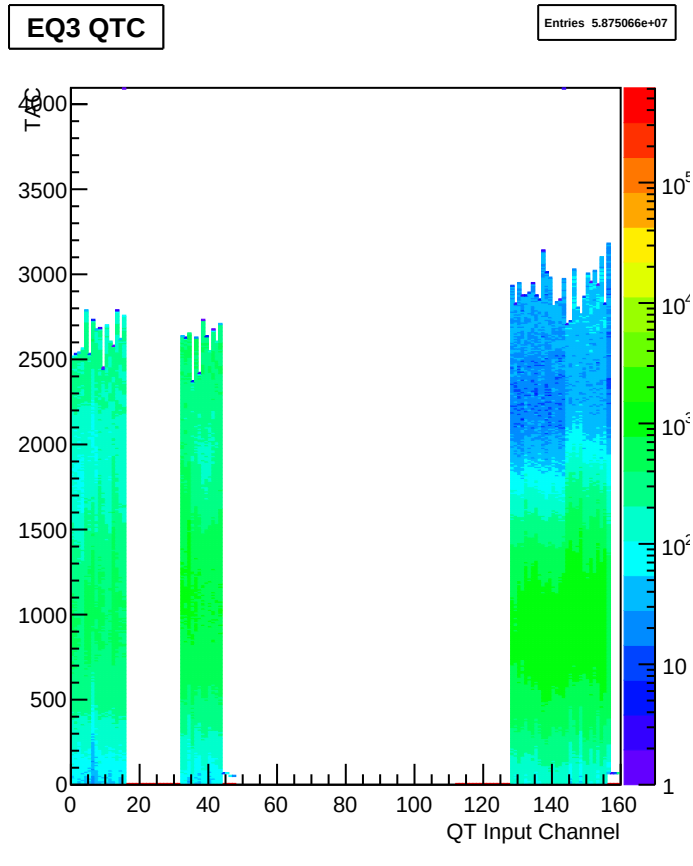

EQ2 QTC
Entries 5.875066e+07
ADC
QT Input Channel

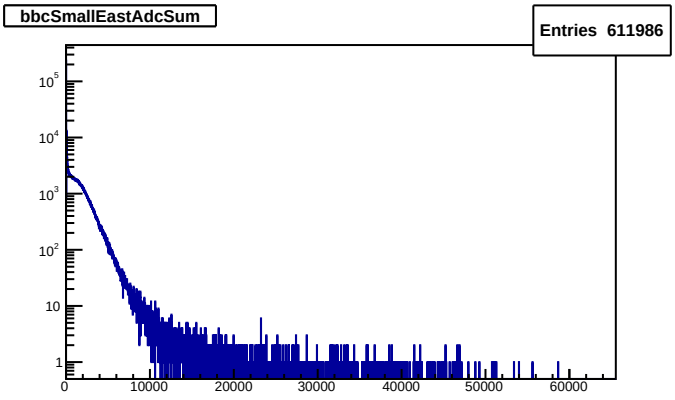

EQ2 QTC
Entries 5.875066e+07
TADC
QT Input Channel

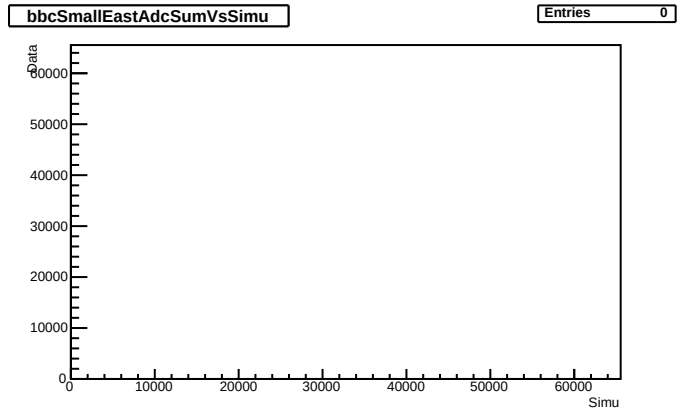

EQ3 QTB
Entries 1.566684e+08
ADC
QT Input Channel

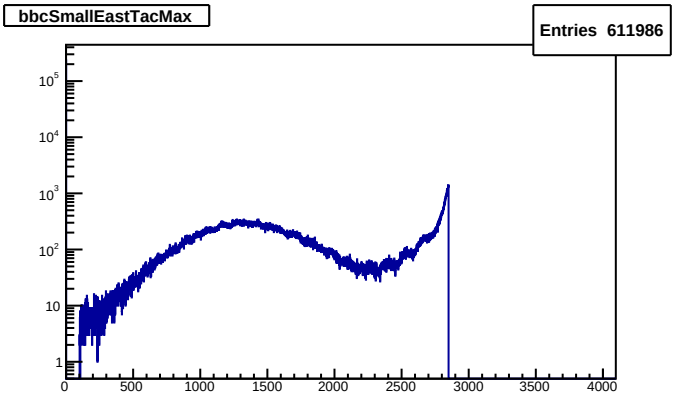

EQ3 QTB
Entries 4.745183e+07
TDC
QT Input Channel

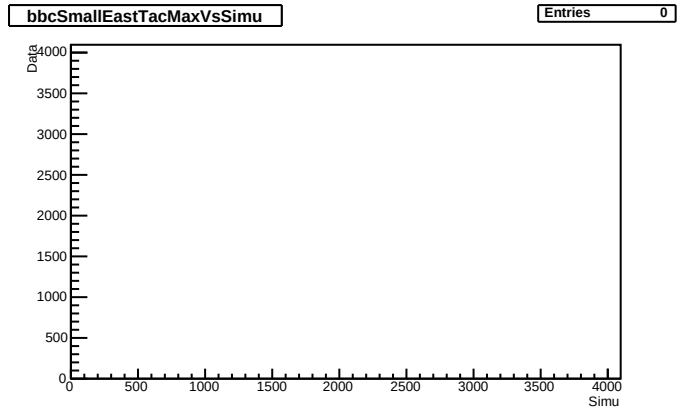

EQ3 QTC
Entries 5.875066e+07
ADC
QT Input Channel

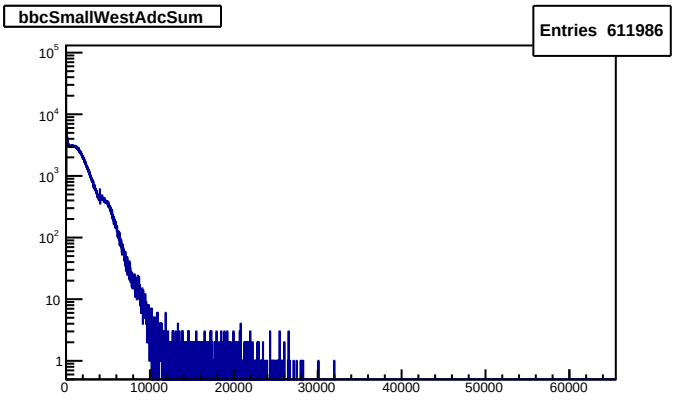

EQ3 QTC
Entries 5.875066e+07
TADC
QT Input Channel

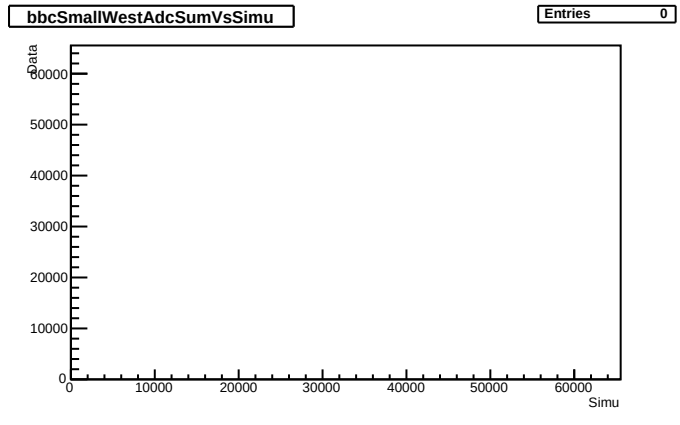

bbcSmallEastAdcSum
Entries 611986


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 611986


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 611986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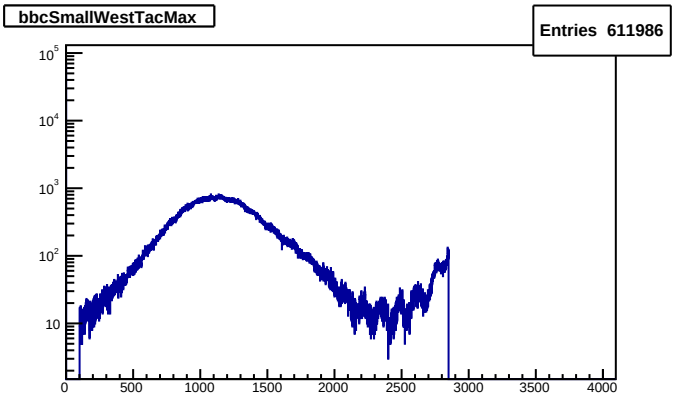
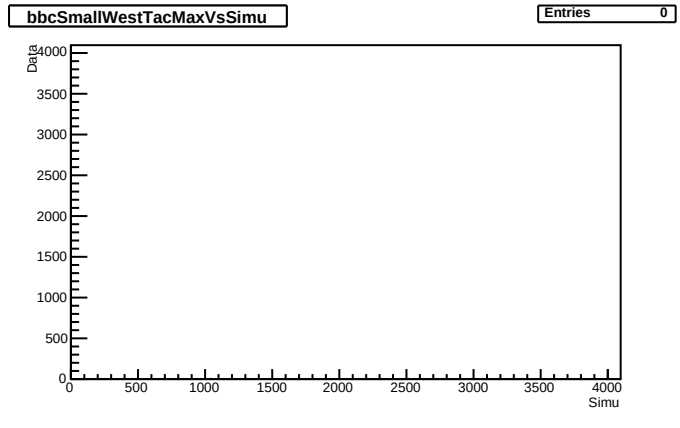
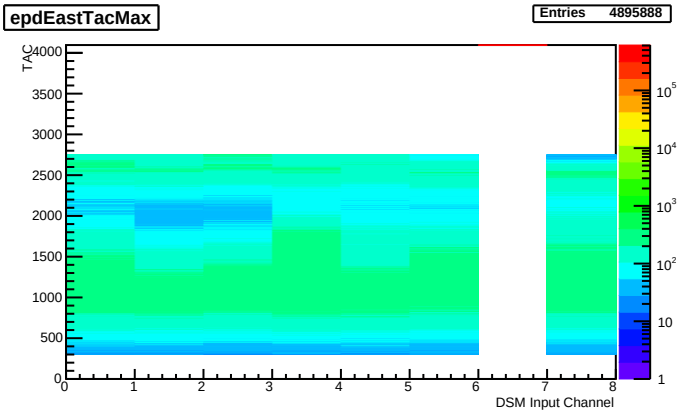
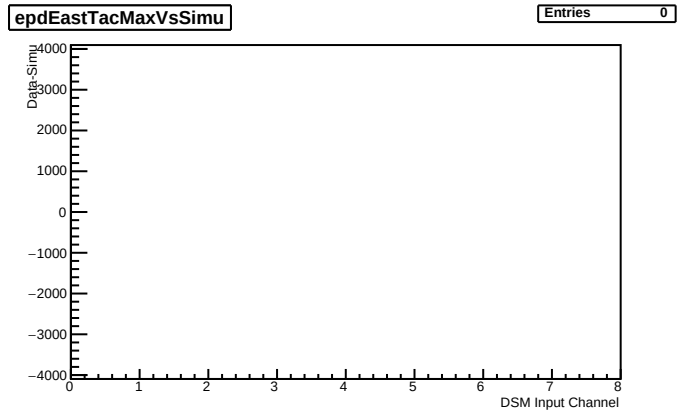
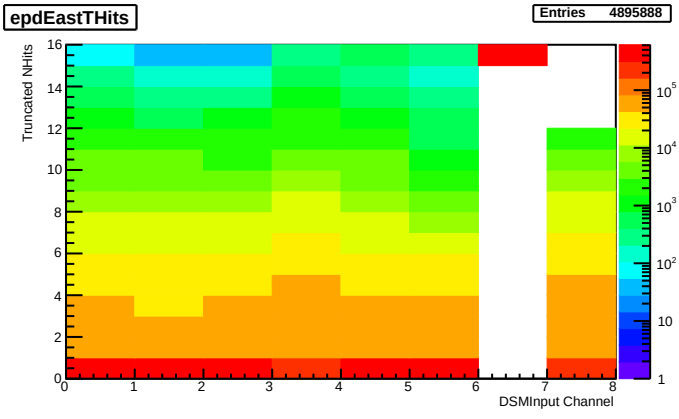
Entries 0
Data
Simu

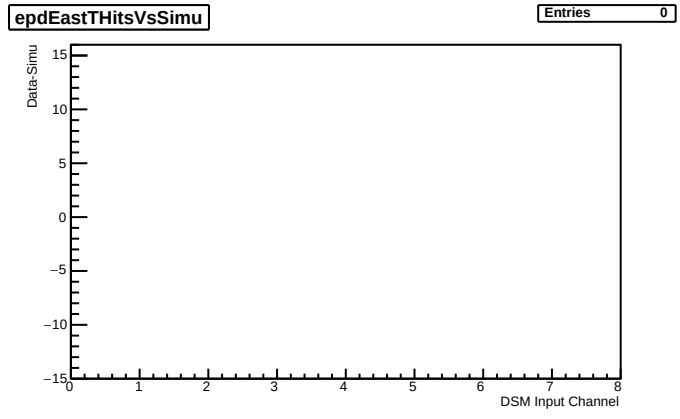

bbcSmallWestTacMax
Entries 611986


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4895888
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4895888
Truncated NHits
DSMInput Channel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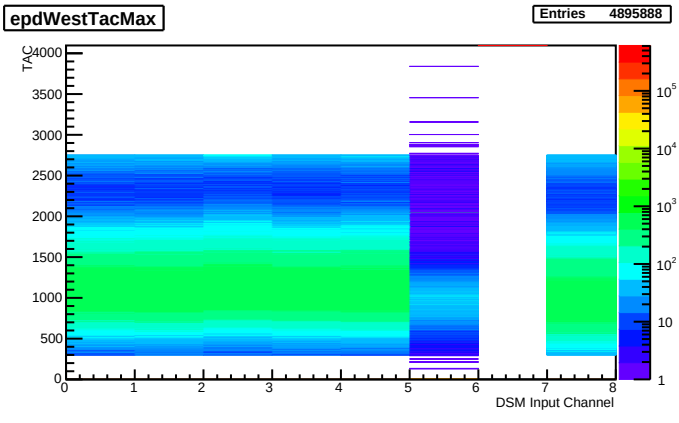
Entries 0
Data-Simu
DSM Input Channel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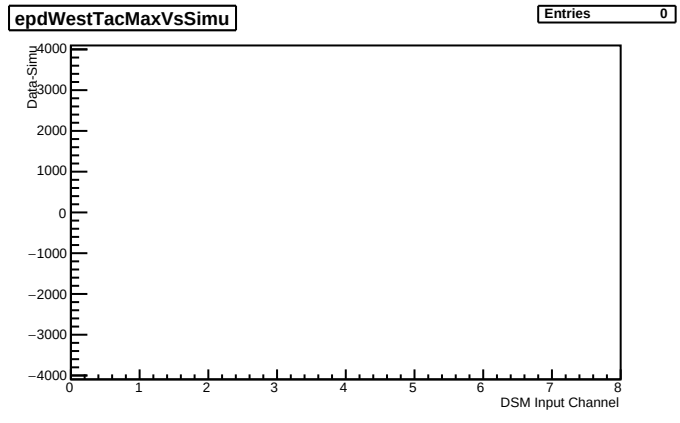
Entries 4895888
TAC
DSM Input Channel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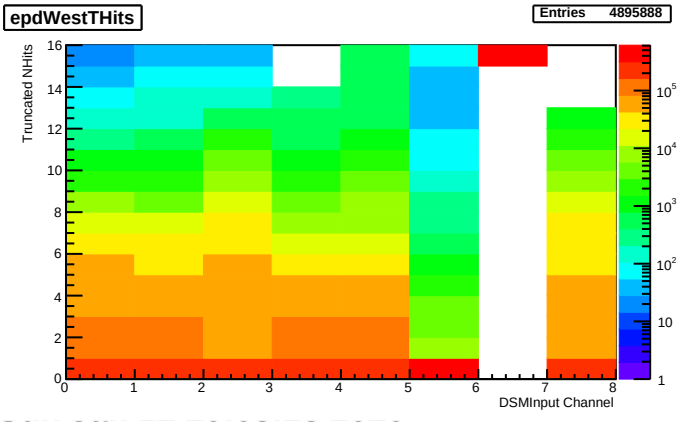
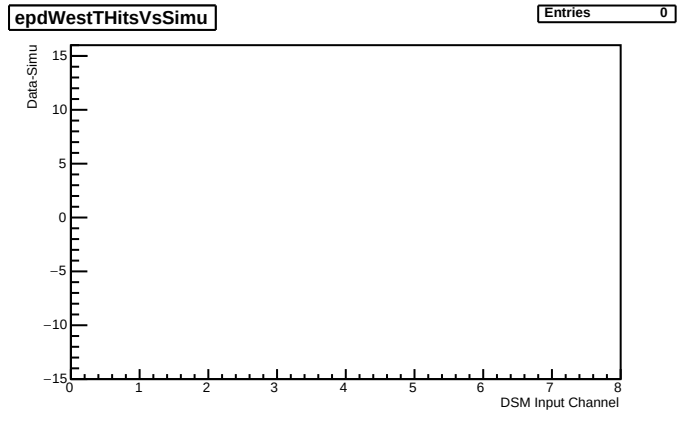
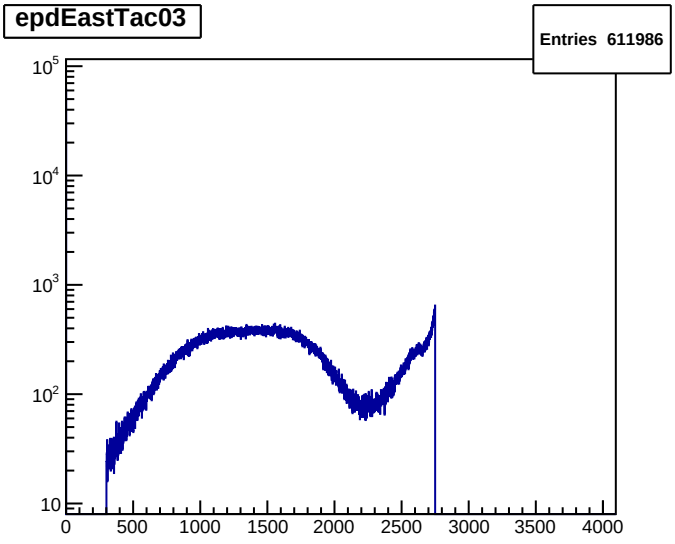
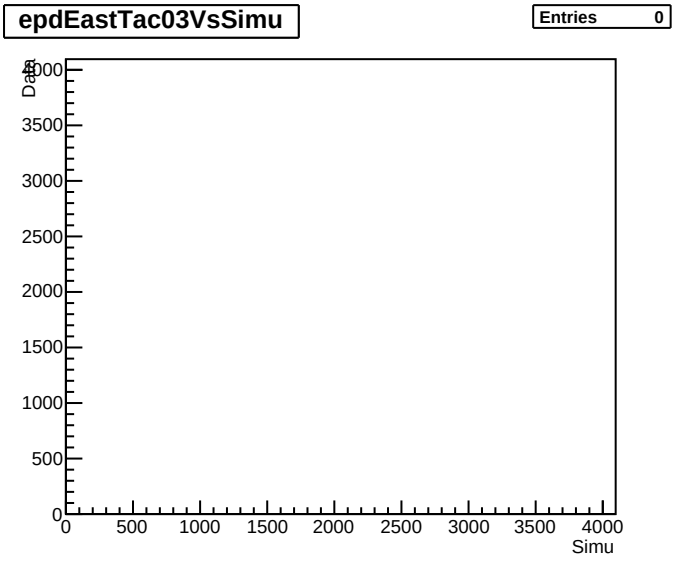
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4895888
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 611986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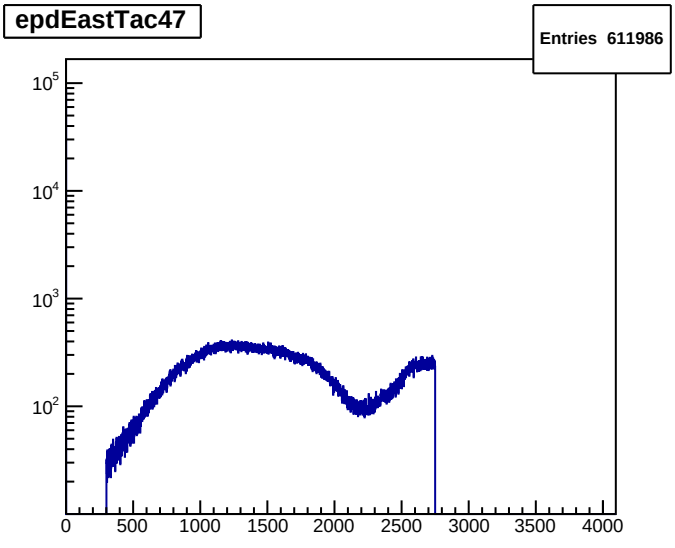
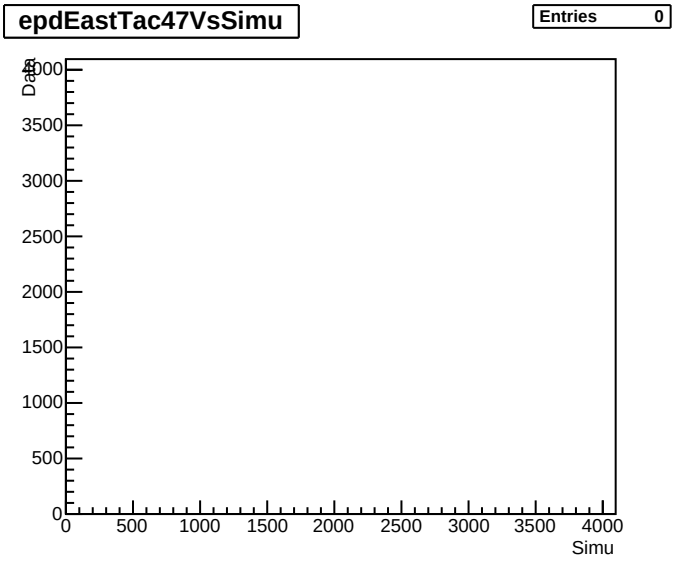
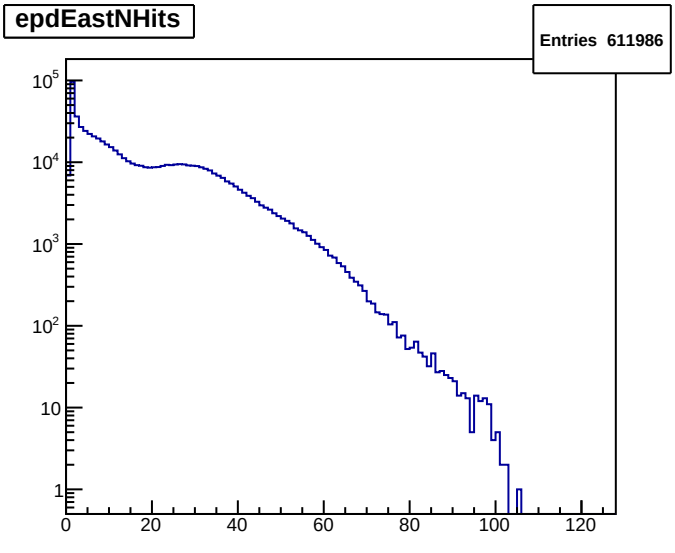
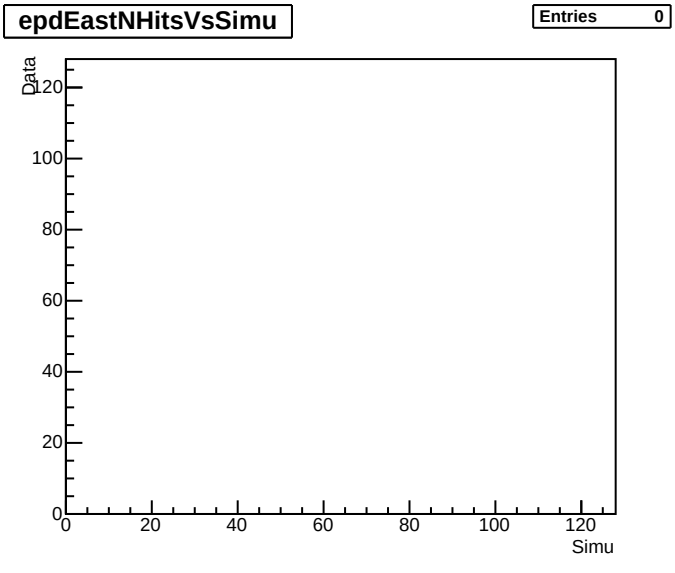
Entries 0
Data
Simu


epdEastTac47
Entries 611986


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 611986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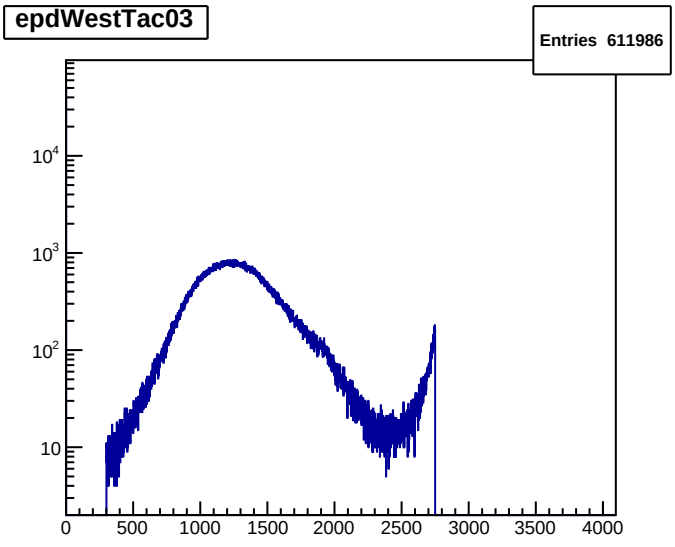
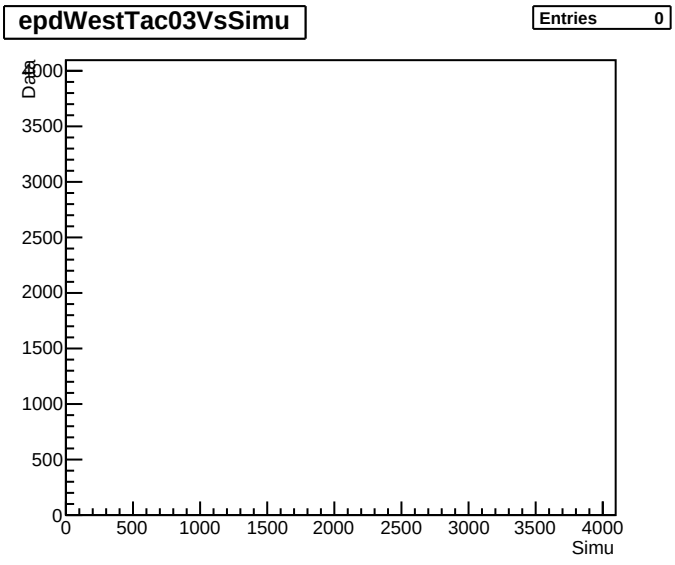
Entries 0
Data
Simu


epdWestTac03
Entries 611986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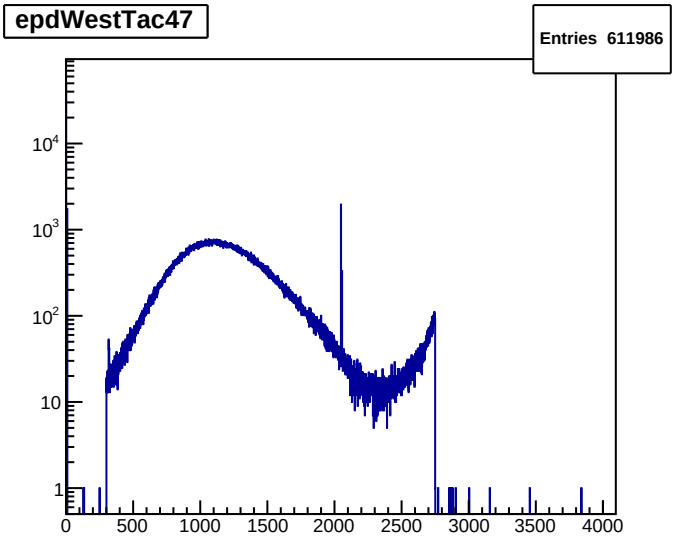
Entries 0
Data
Simu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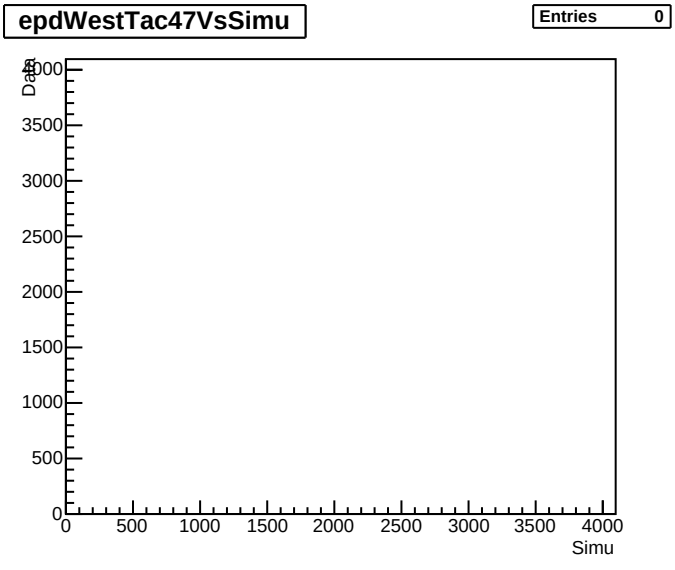
Entries 611986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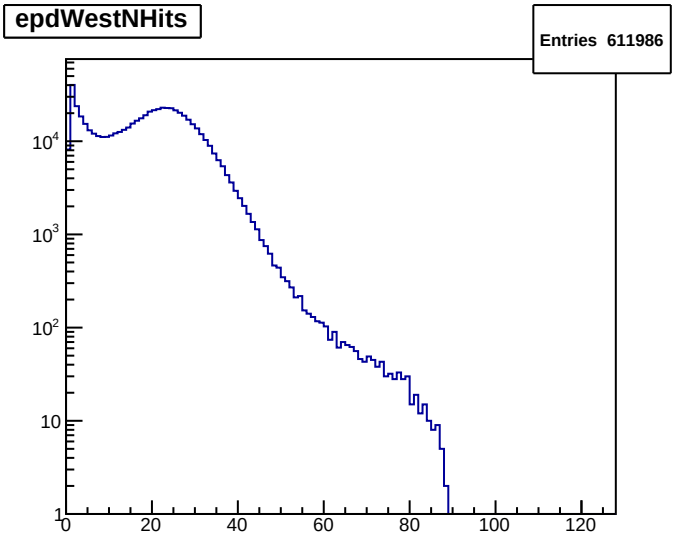
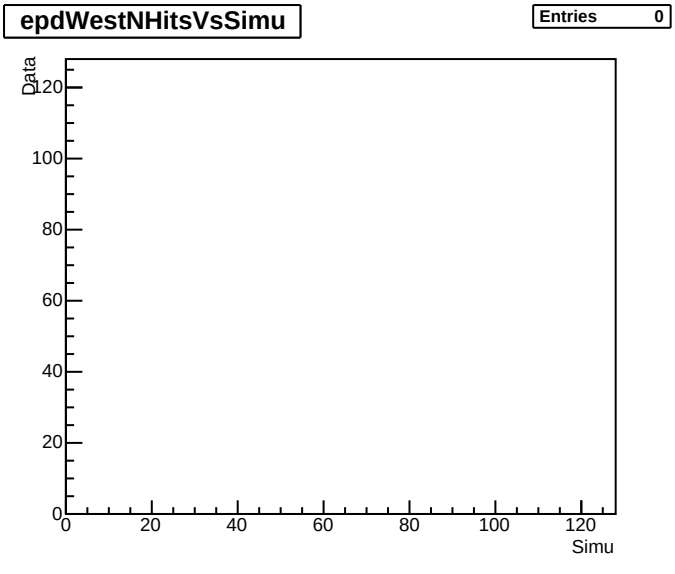
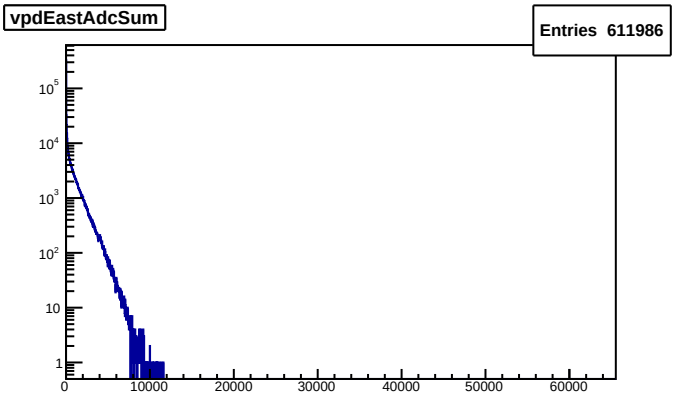
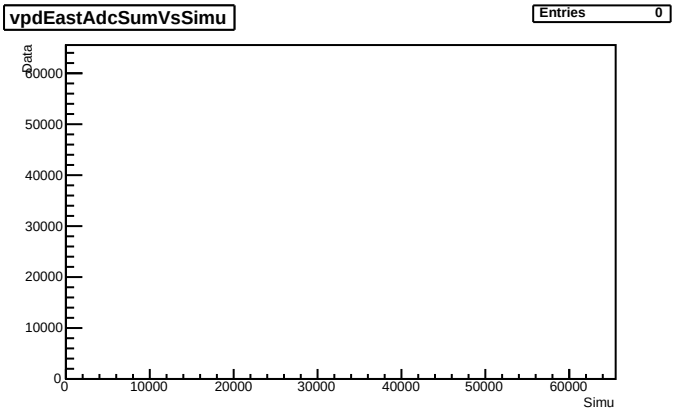
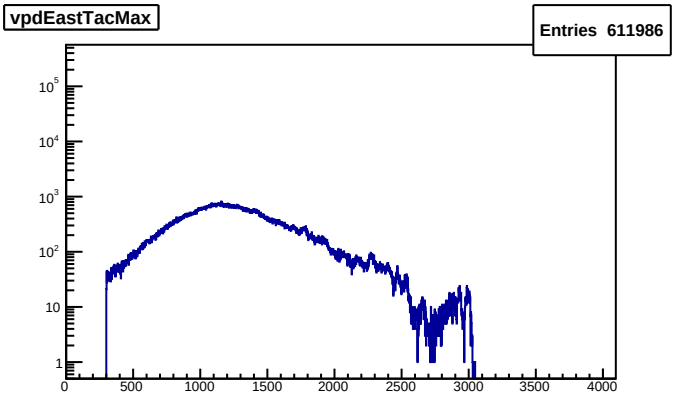
Entries 0
Data
Simu

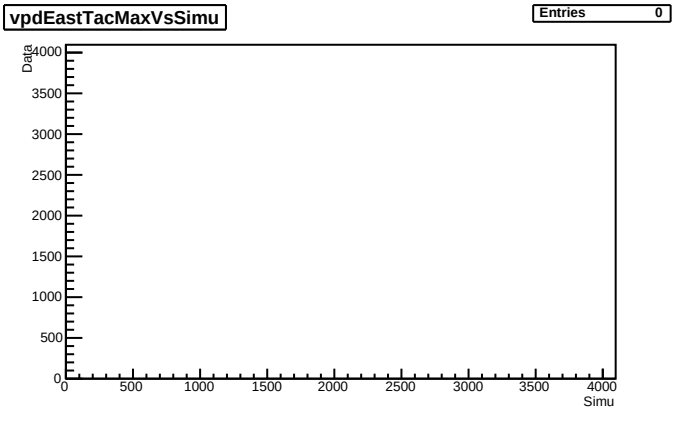

epdWestNHits
Entries 611986


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 611986


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 611986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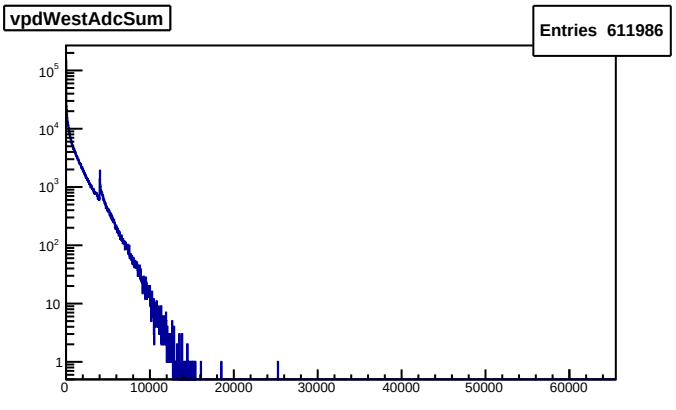
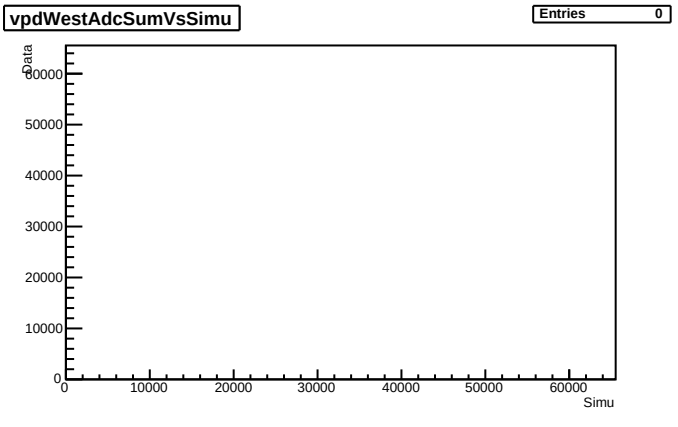
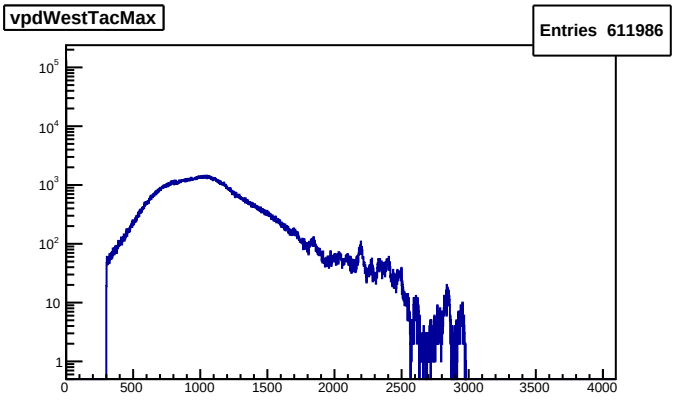
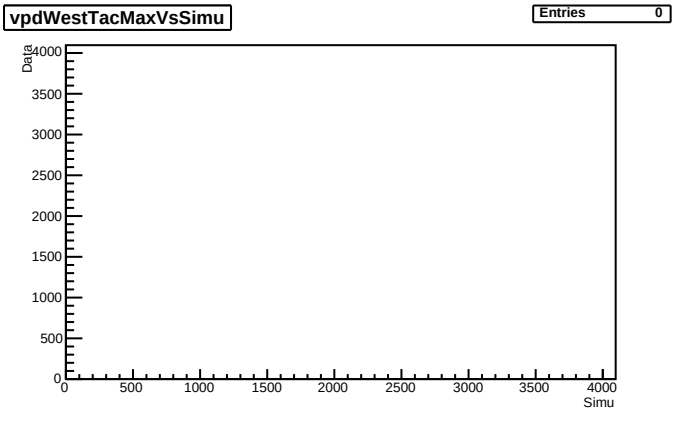
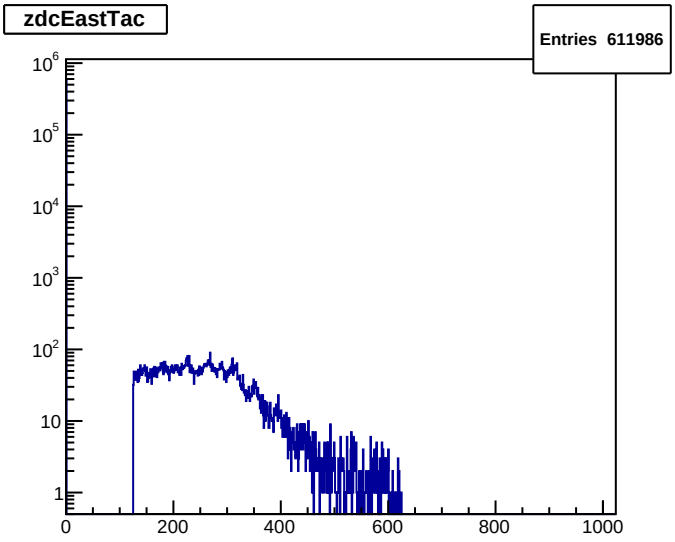
Entries 0
Data
Simu

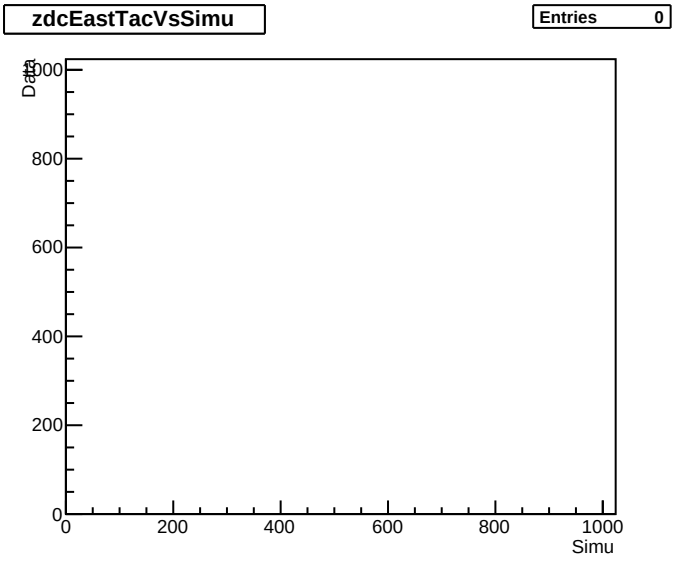

vpdWestAdcSum
Entries 611986

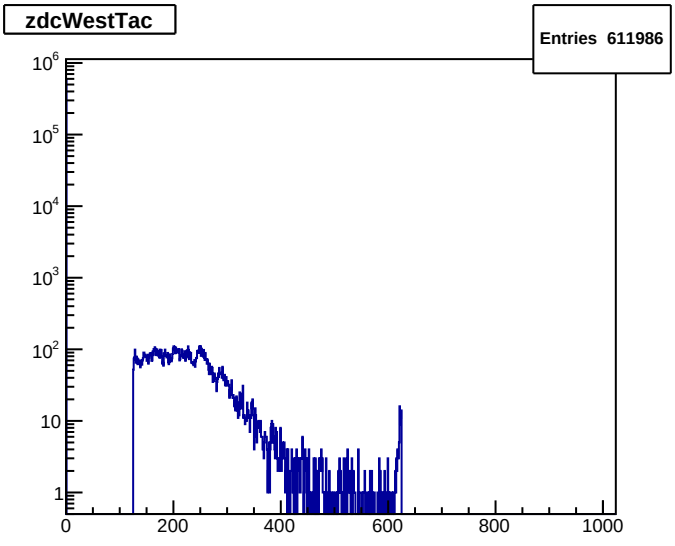

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

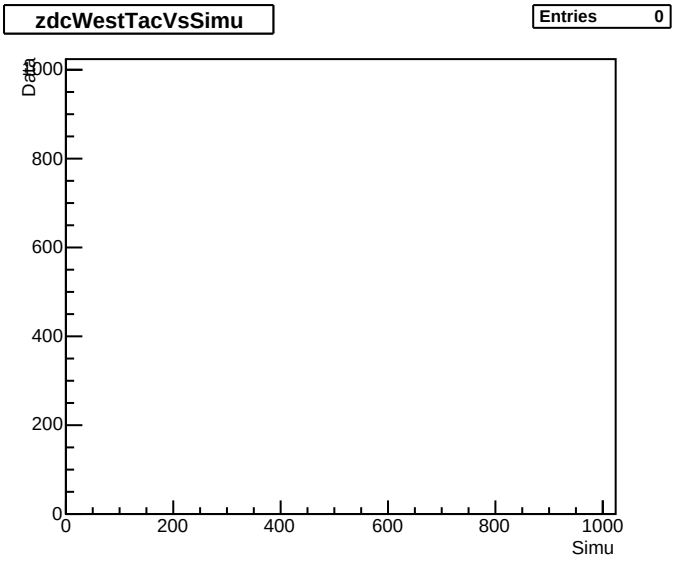

vpdWestTacMax
Entries 611986

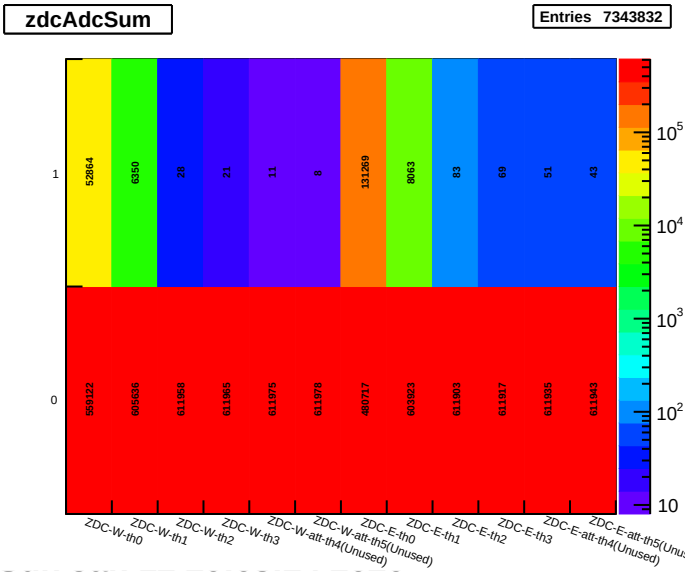

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

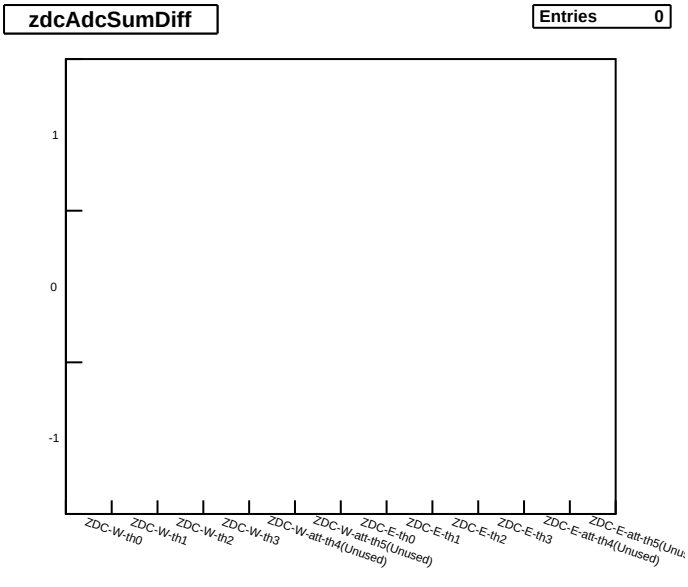

zdcEastTac
Entries 611986

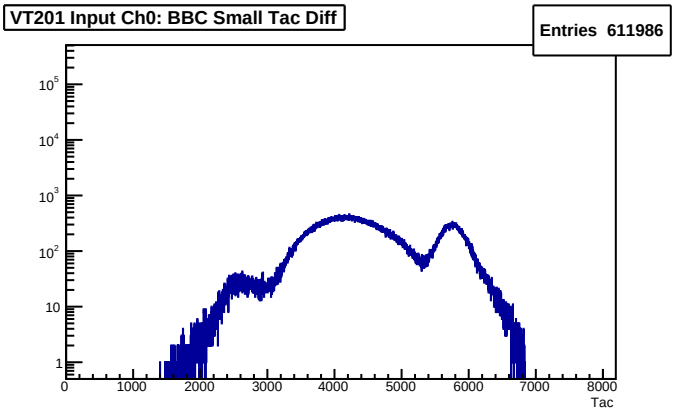

zdcEastTacVsSimu
Entries 0
Data
Simu

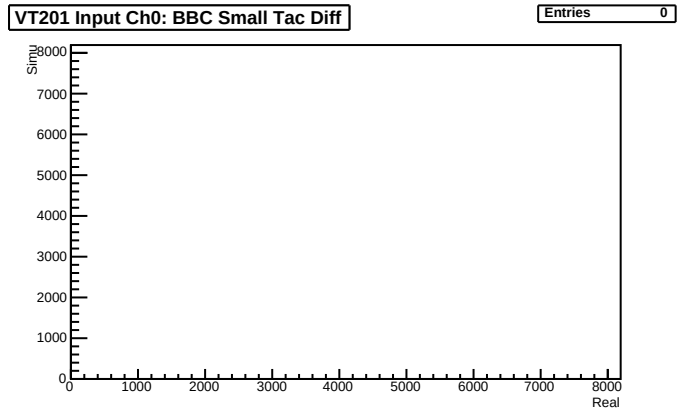

zdcWestTac
Entries 611986

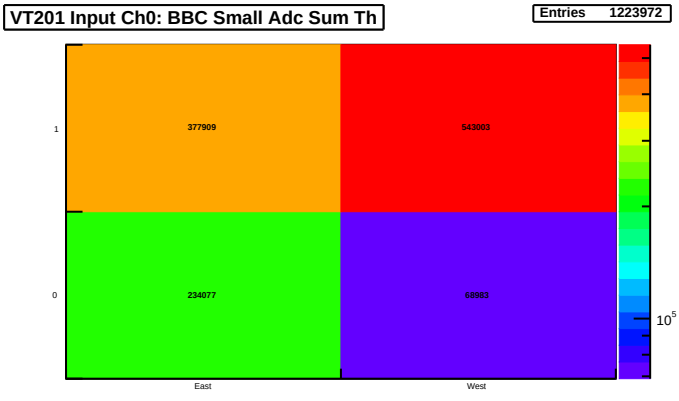

zdcWestTacVsSimu
Entries 0
Data
Simu

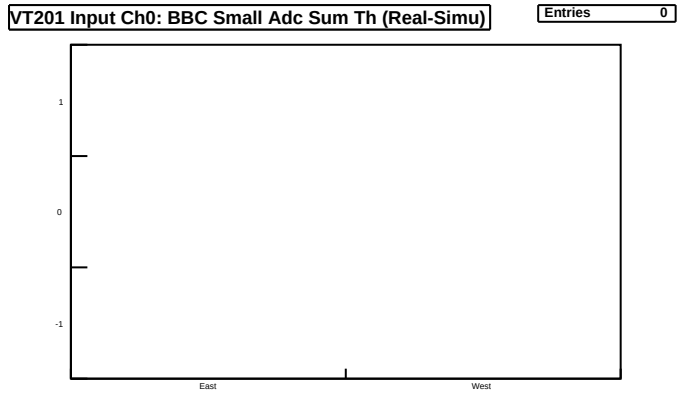

zdcAdcSum
Entries 7343832
52864
6350
28
21
11
8
131269
8063
83
69
51
43
559122
605636
611958
611965
611975
611978
480717
603923
611903
611917
611935
611943
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

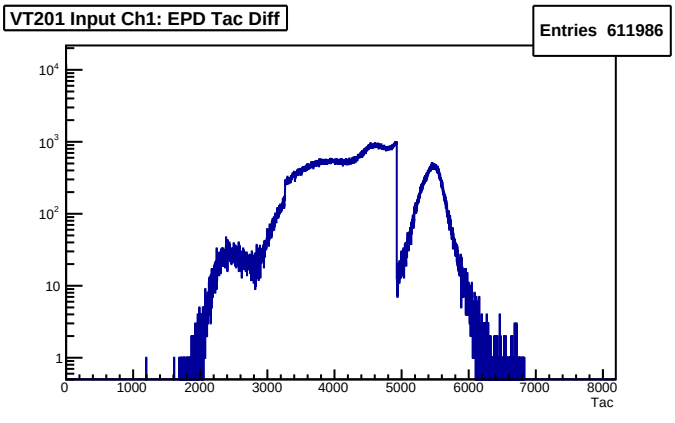

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

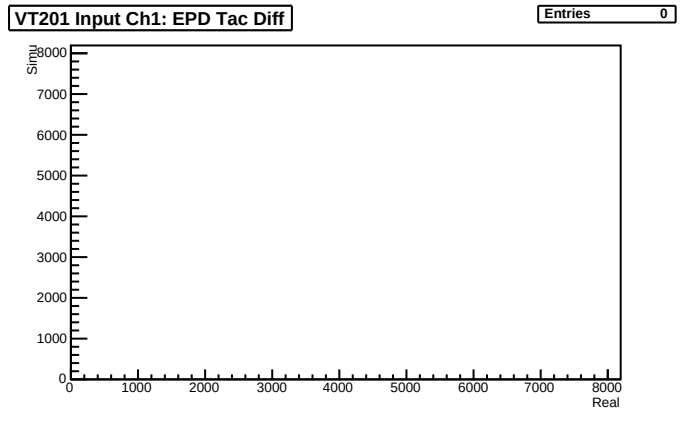

VT201 Input Ch0: BBC Small Tac Diff
Entries 611986
Tac

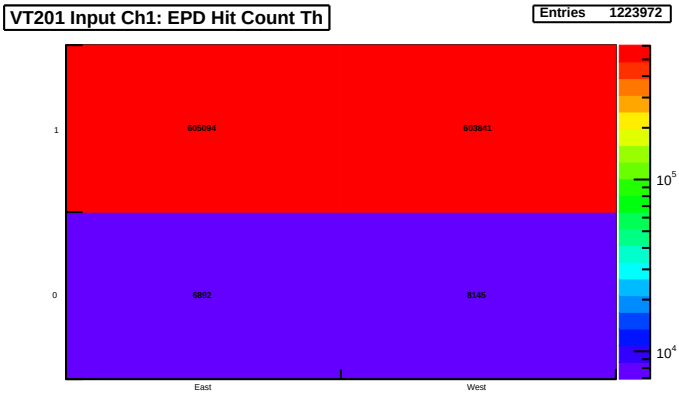

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

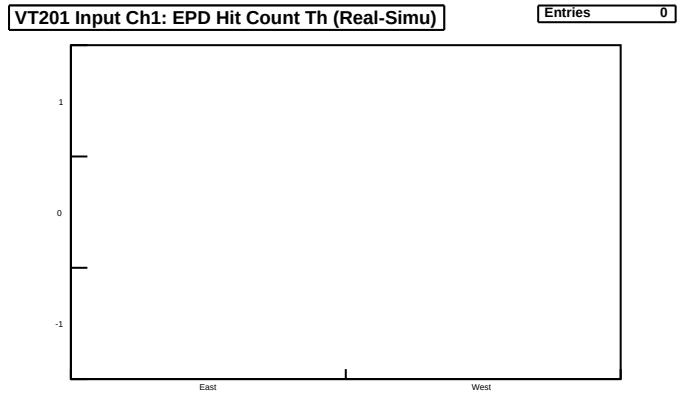

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1223972
377909
543003
234077
68983
East
West

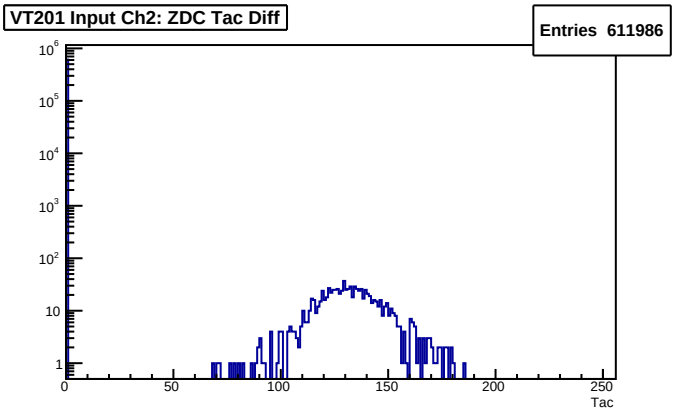

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

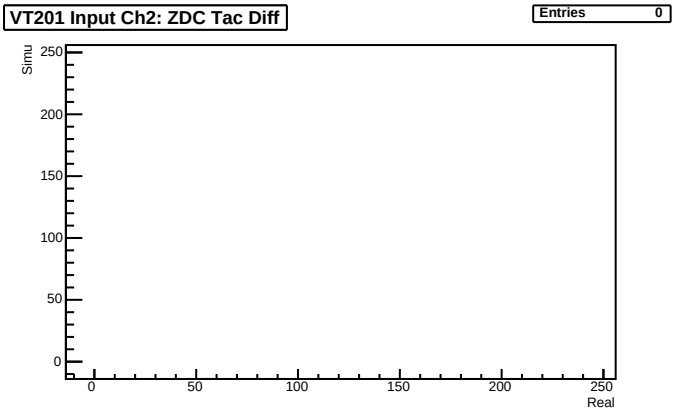

VT201 Input Ch1: EPD Tac Diff
Entries 611986
Tac

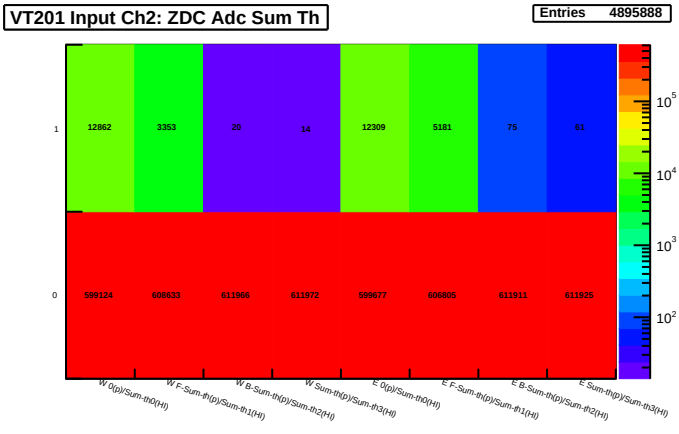

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

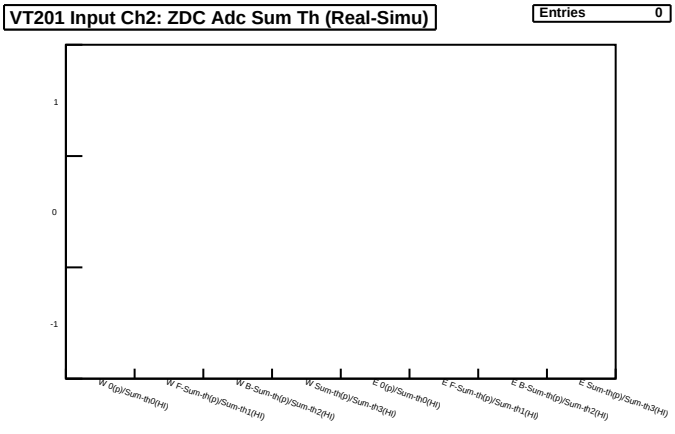

VT201 Input Ch1: EPD Hit Count Th
Entries 1223972
605094
603841
6892
8145
East
West

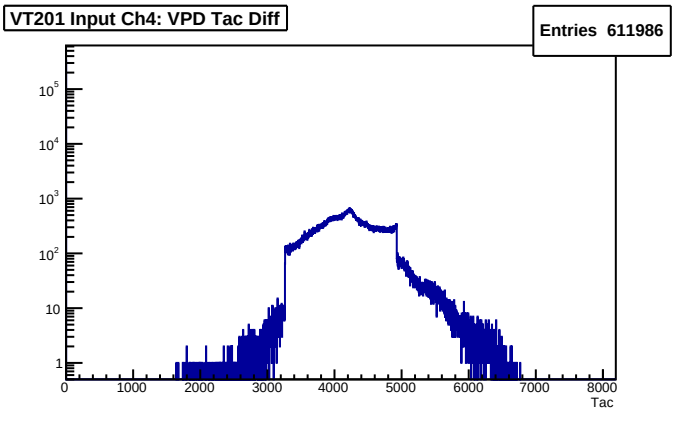

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

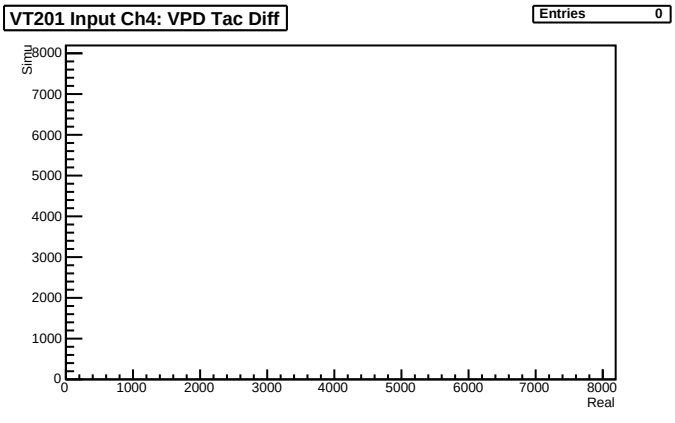

VT201 Input Ch2: ZDC Tac Diff
Entries 611986
Tac

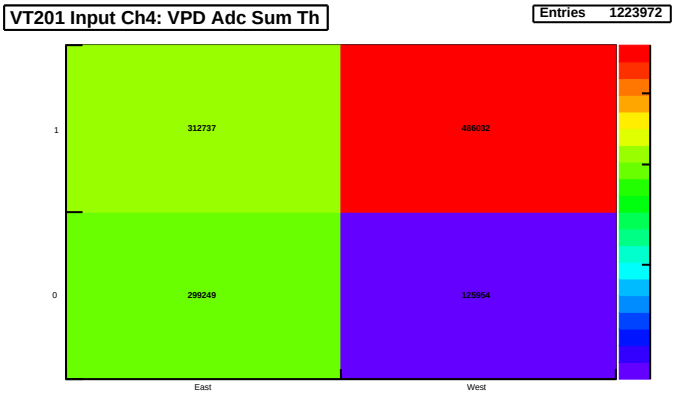

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

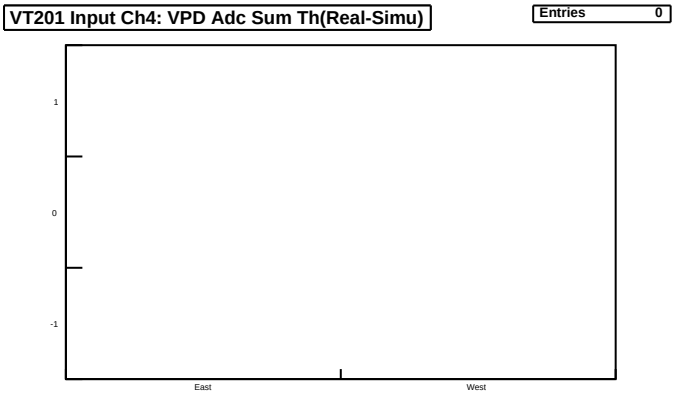

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4895888
12862
3353
20
14
12309
5181
75
61
599124
608633
611966
611972
599677
606805
611911
611925
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

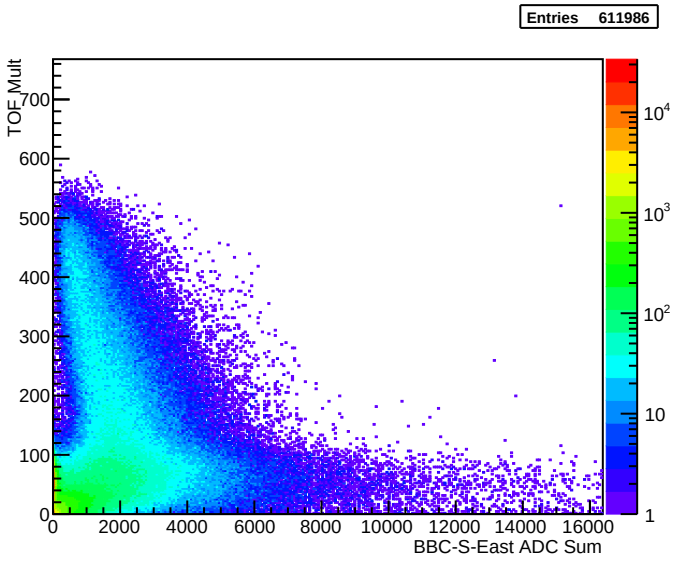

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

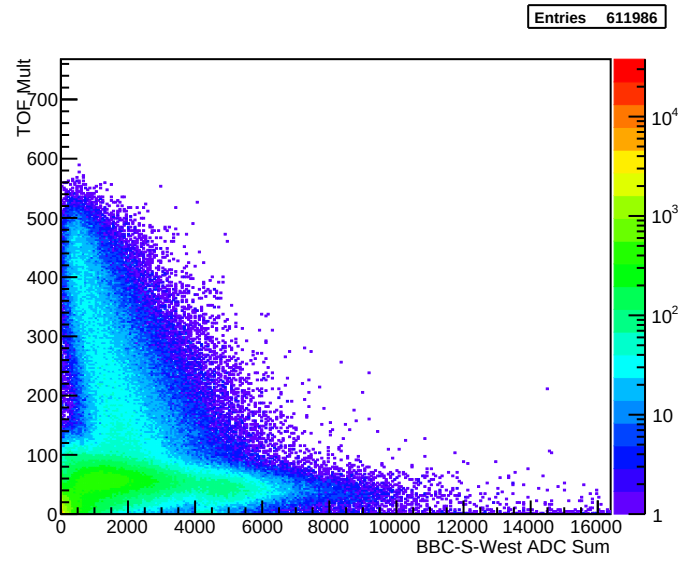

VT201 Input Ch4: VPD Tac Diff
Entries 611986
Tac

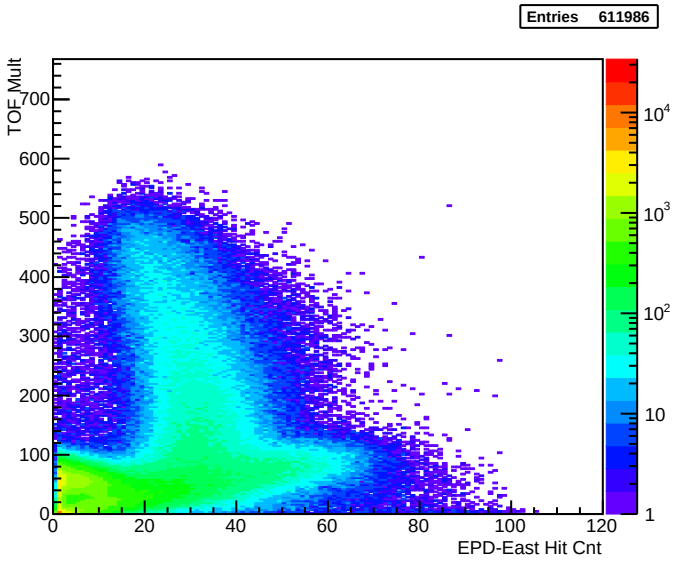

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

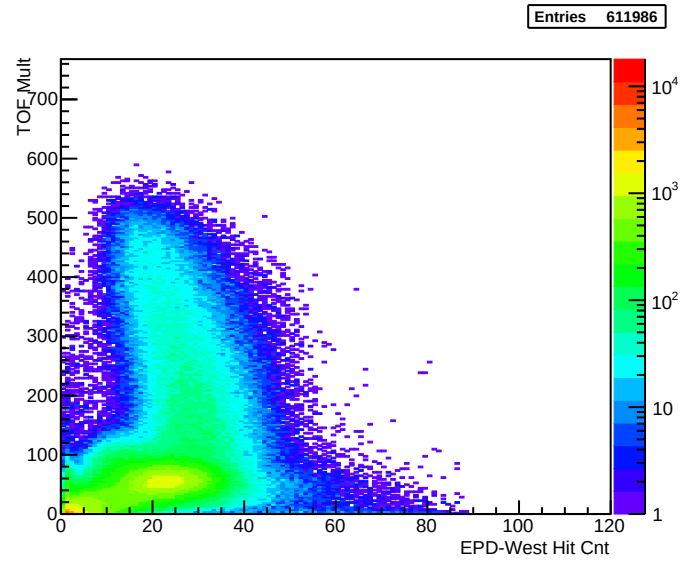

VT201 Input Ch4: VPD Adc Sum Th
Entries 1223972
312737
480032
299249
125954
East
West

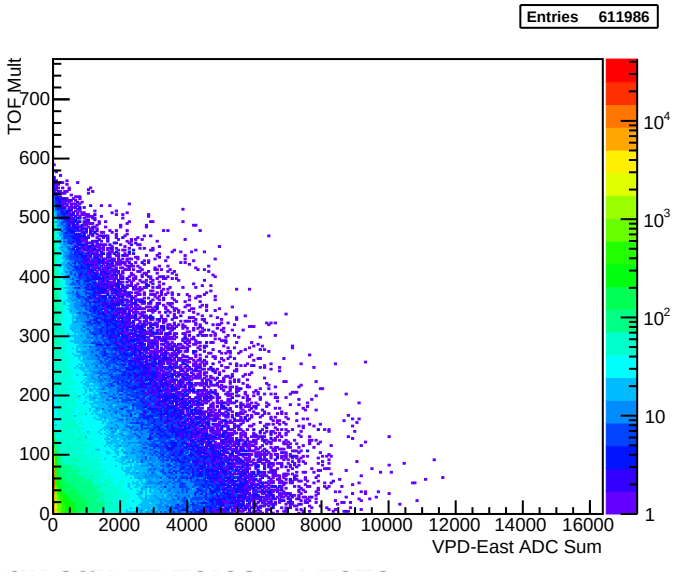

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

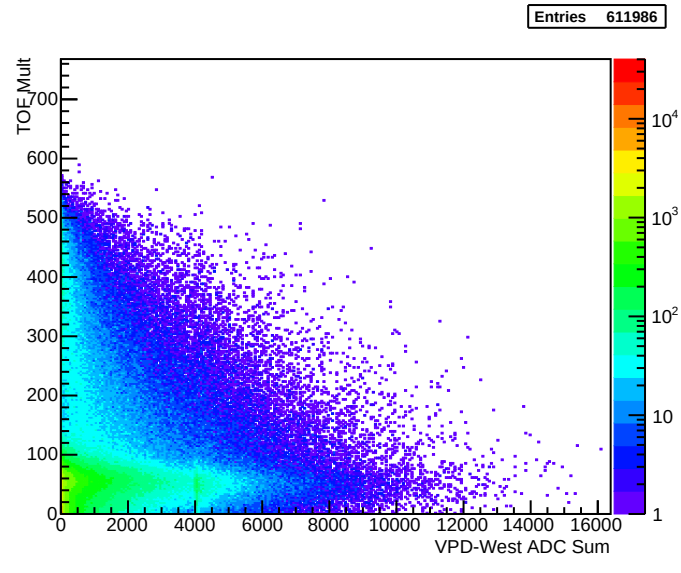

Entries 611986
TOF_Mult
BBC-S-East ADC Sum

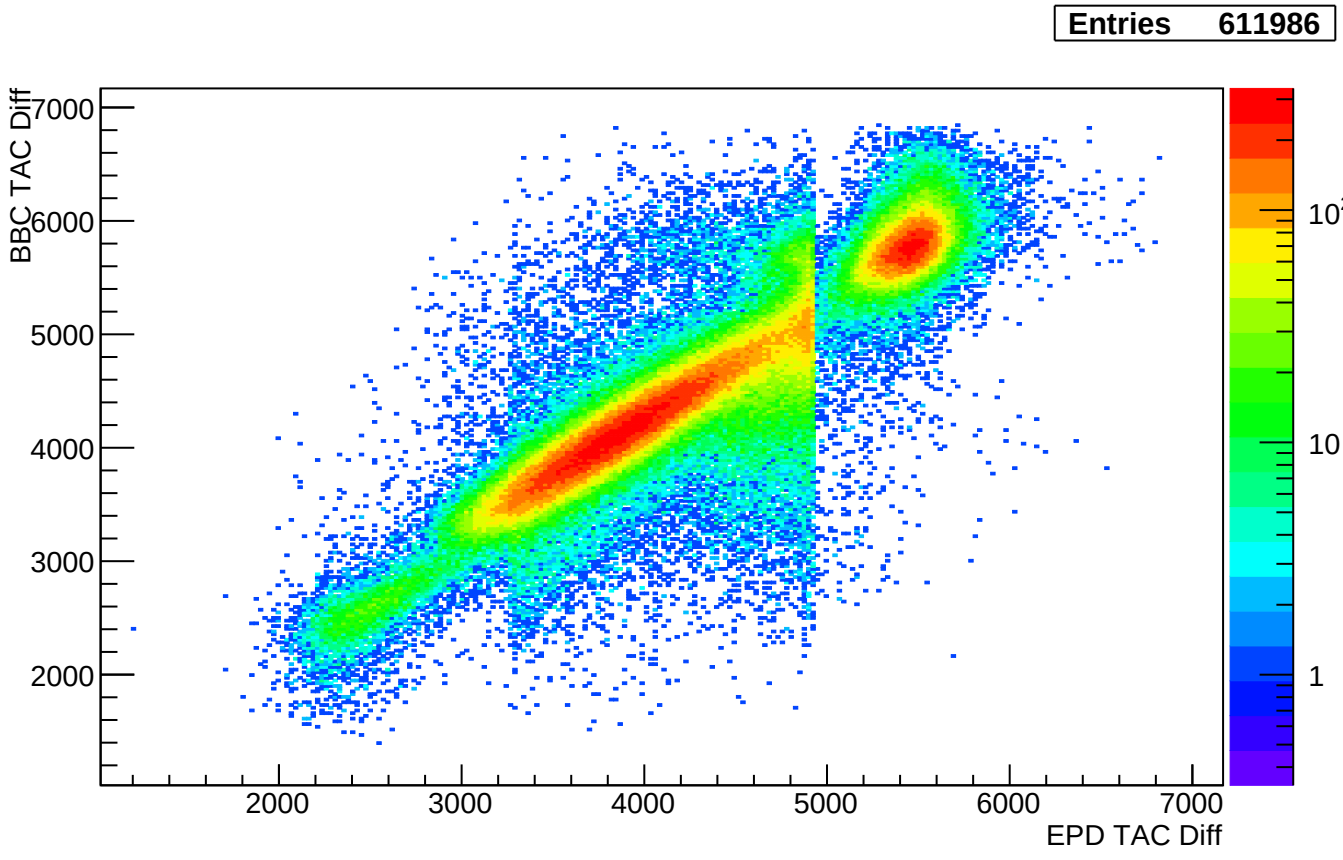

Entries 611986
TOF_Mult
BBC-S-West ADC Sum

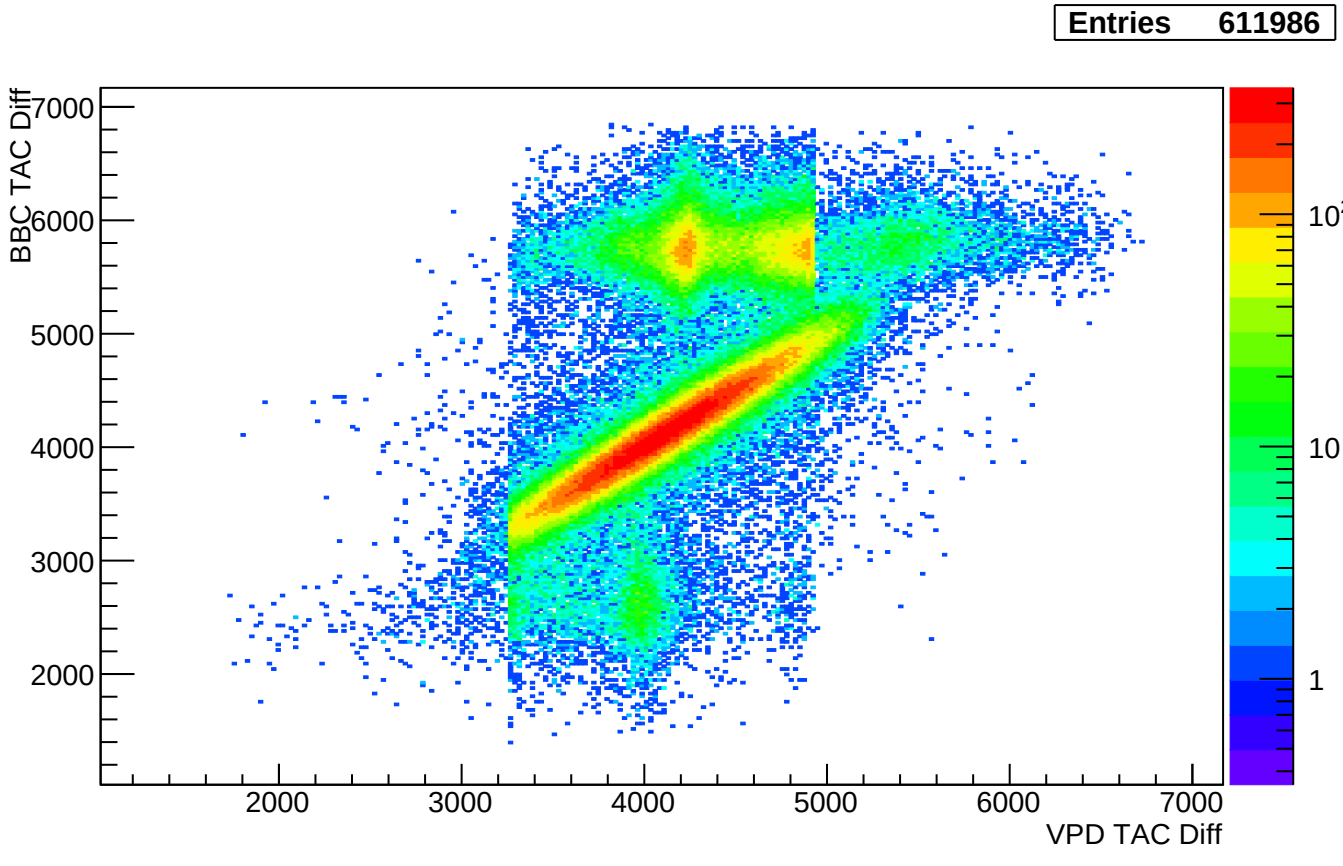

Entries 611986
TOF_Mult
EPD-East Hit Cnt

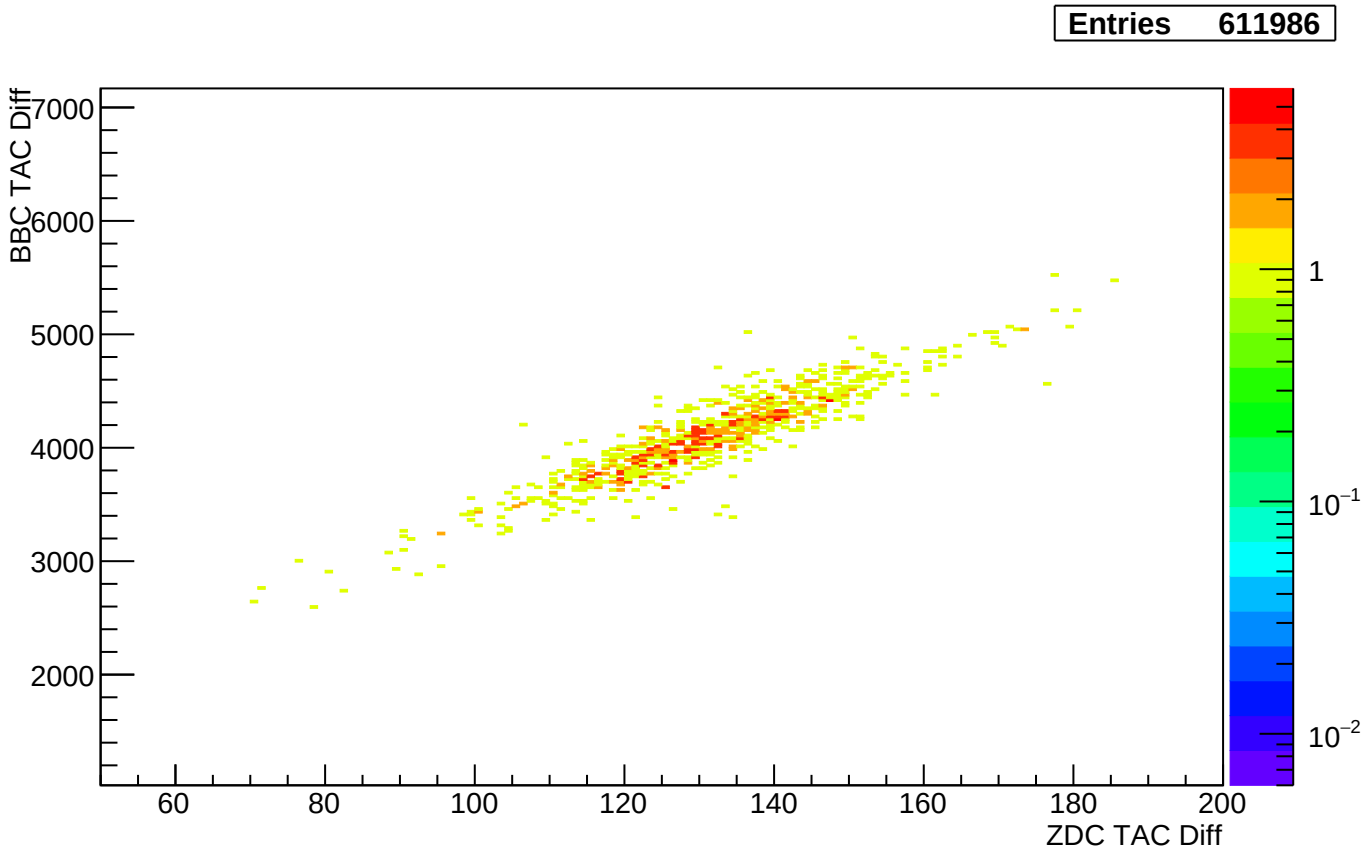

Entries 611986
TOF_Mult
EPD-West Hit Cnt

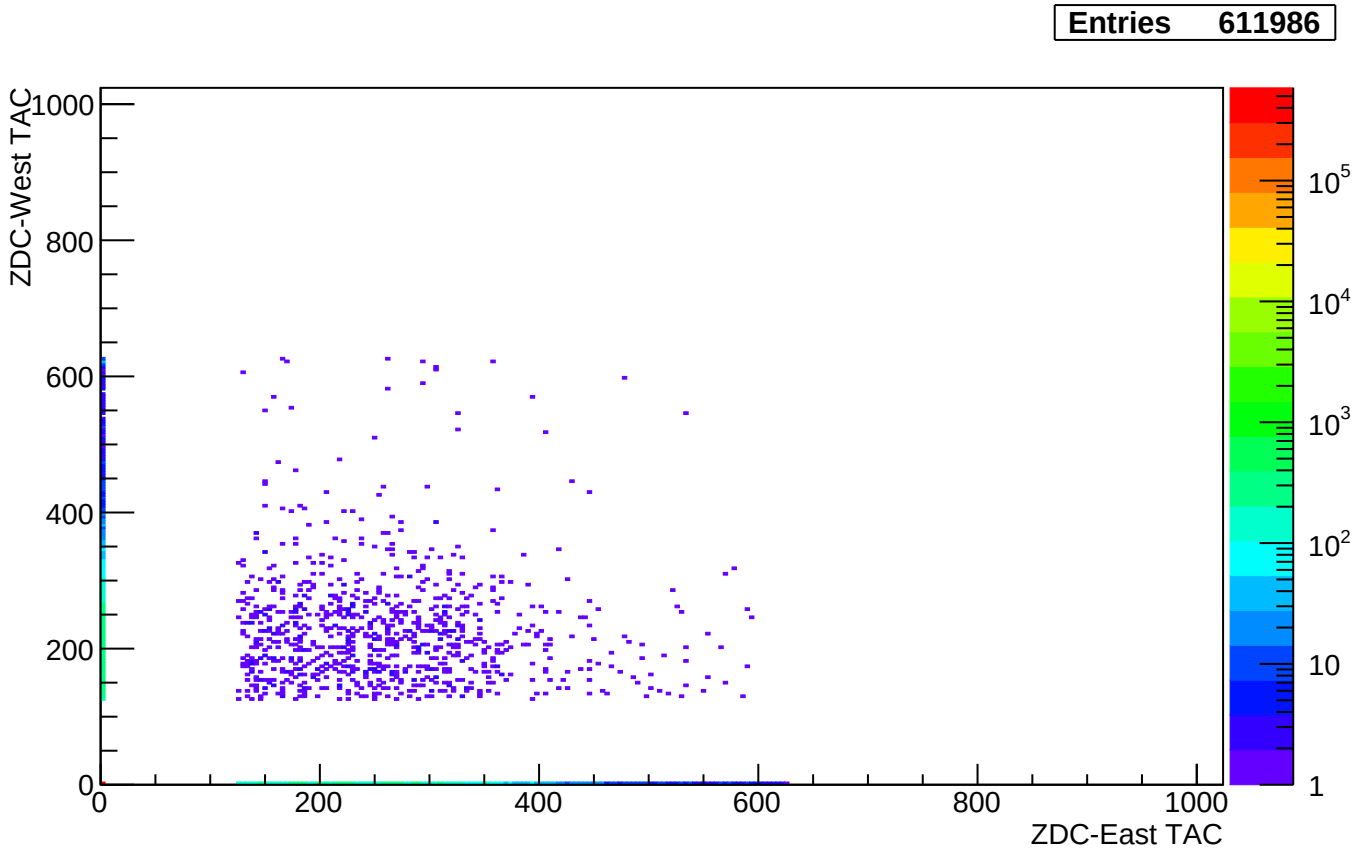

Entries 611986
TOF_Mult
VPD-East ADC Sum

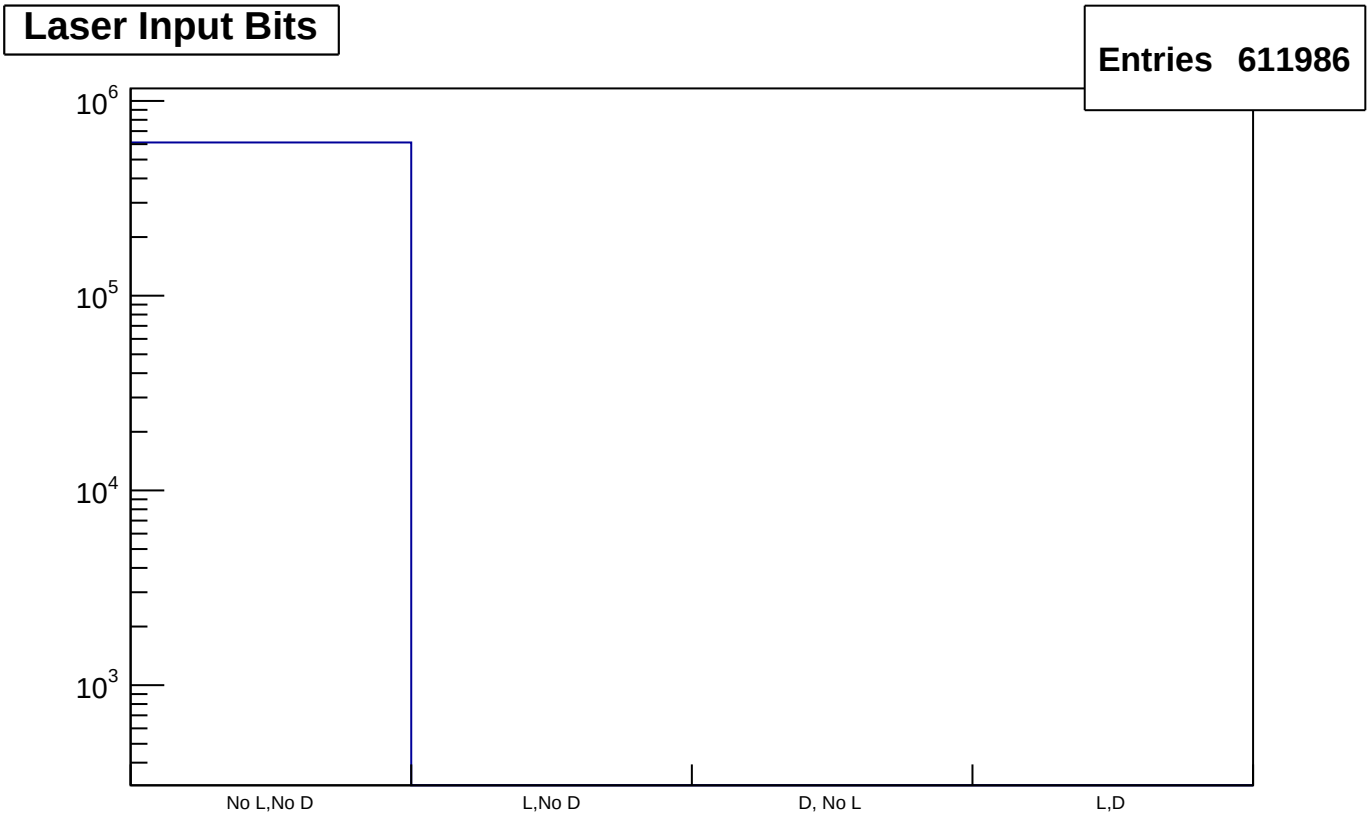

Entries 611986
TOF_Mult
VPD-West ADC Sum

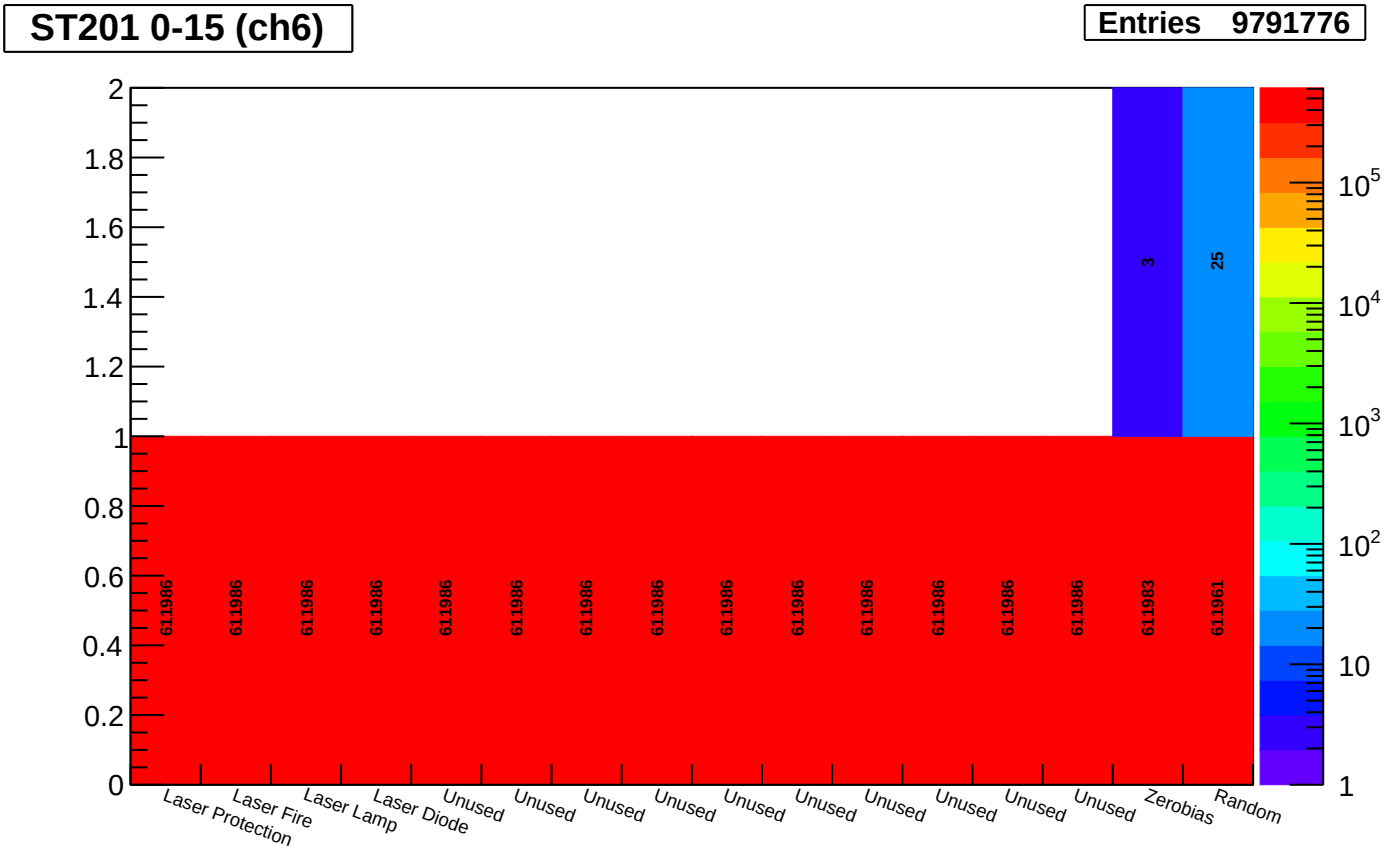

Entries 611986
BBC TAC Diff
EPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
10^2

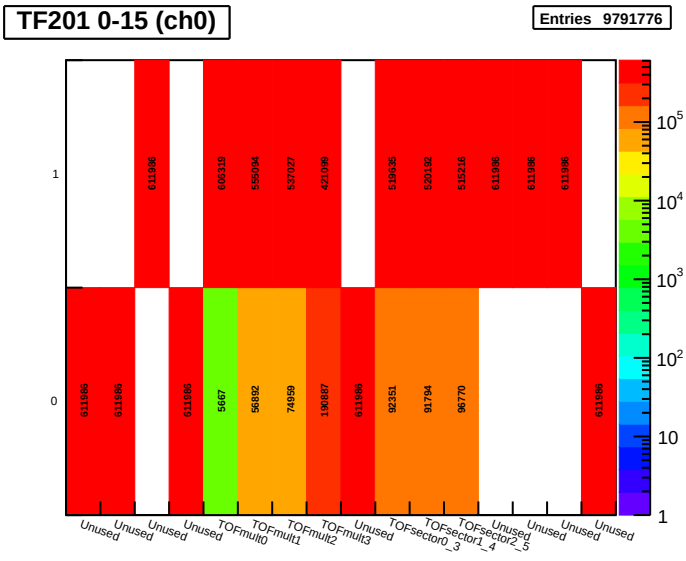

Entries 611986
BBC TAC Diff
VPD TAC Diff
2000
3000
4000
5000
6000
7000
1
10
10^2

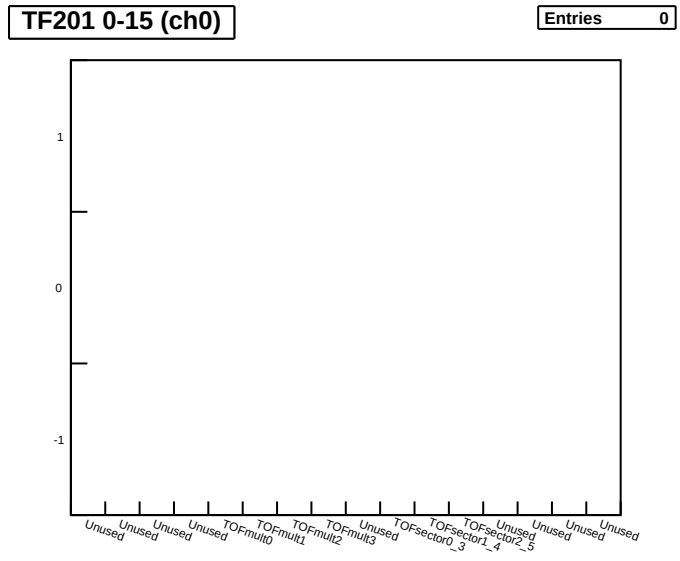

Entries 611986
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

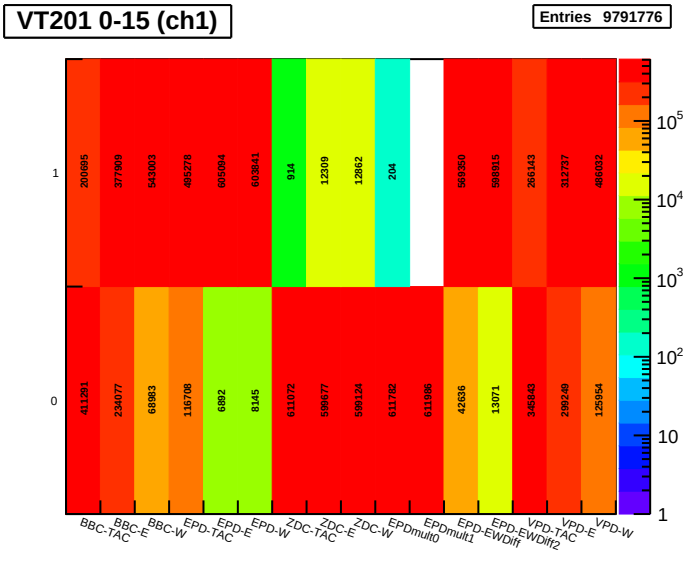

Entries 611986
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

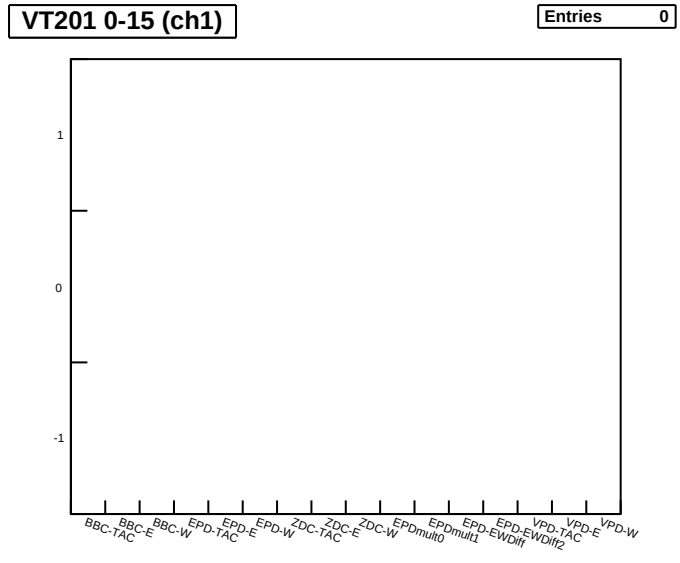

Laser Input Bits
Entries 611986
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

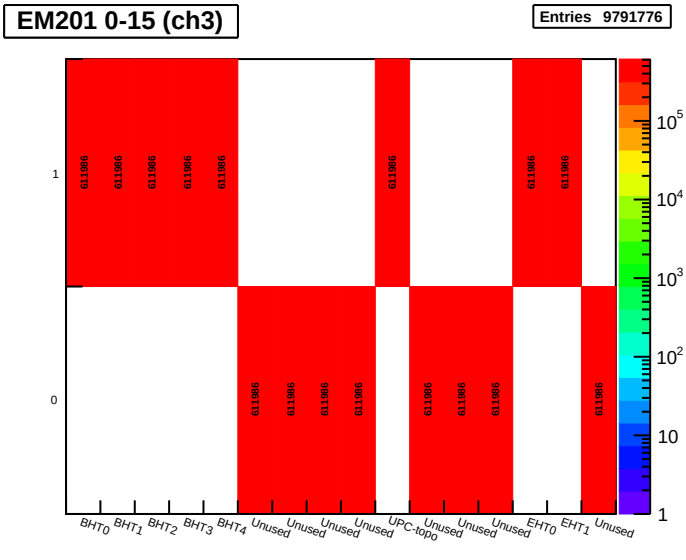

ST201 0-15 (ch6)
Entries 9791776
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
611986
611986
611986
611986
611986
611986
611986
611986
611986
611986
611986
611986
611986
611986
611983
611961
3
25
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

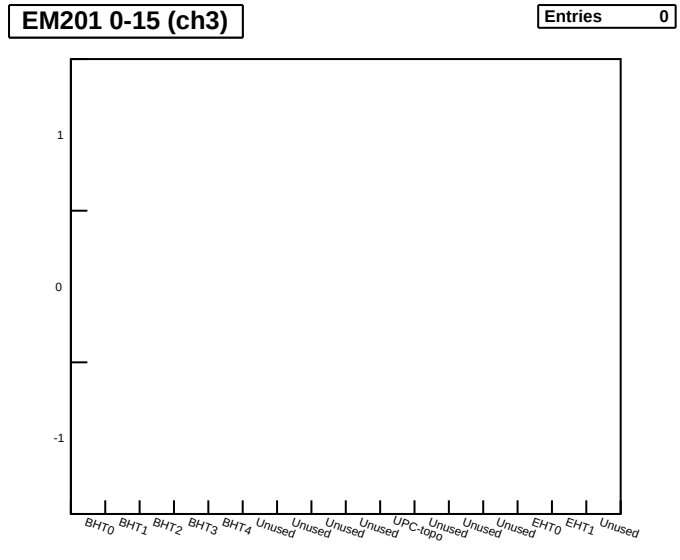

TF201 0-15 (ch0)
Entries 9791776
1
0
611986 611986 611986 5667 56892 74959 190887 611986 92351 91794 96770 611986
611986 606319 555094 537027 421099 519635 520192 515216 611986 611986 611986
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 9791776
1
0
200695 377999 543003 495278 605094 603841 914 12309 12862 204 569350 598915 265143 312757 486032
411291 234077 68983 116708 6992 8145 611072 599677 599124 611782 611986 42636 13071 345843 299249 129954
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 9791776
1
0
611986 611986 611986 611986 611986 611986 611986 611986
611986 611986 611986 611986 611986 611986 611986 611986
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