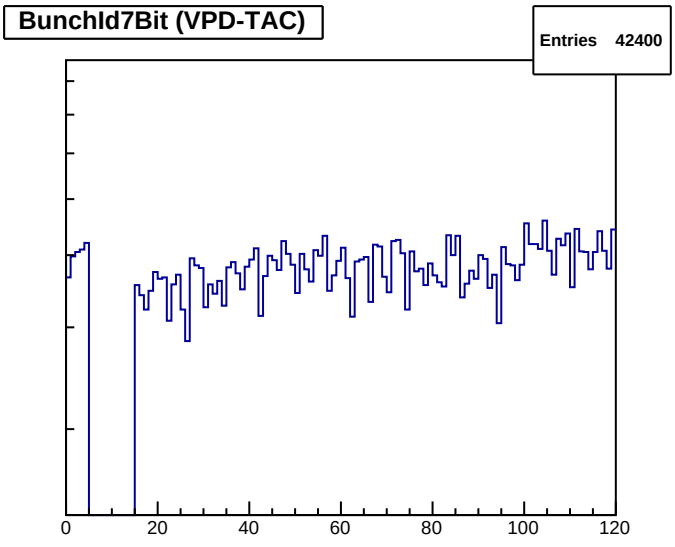
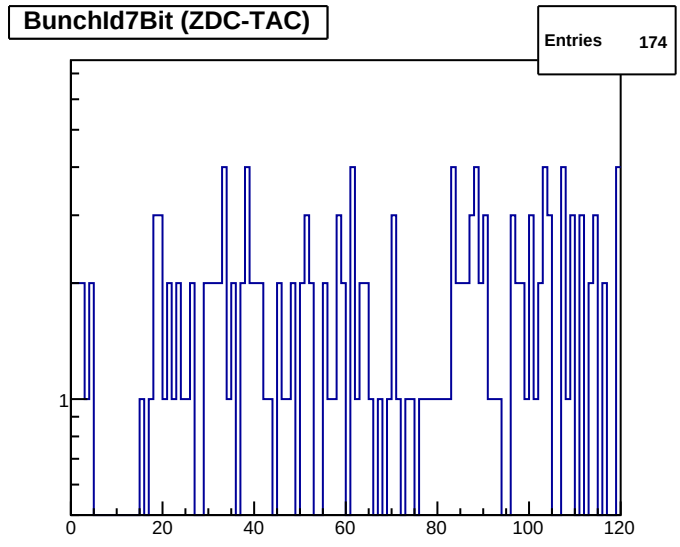
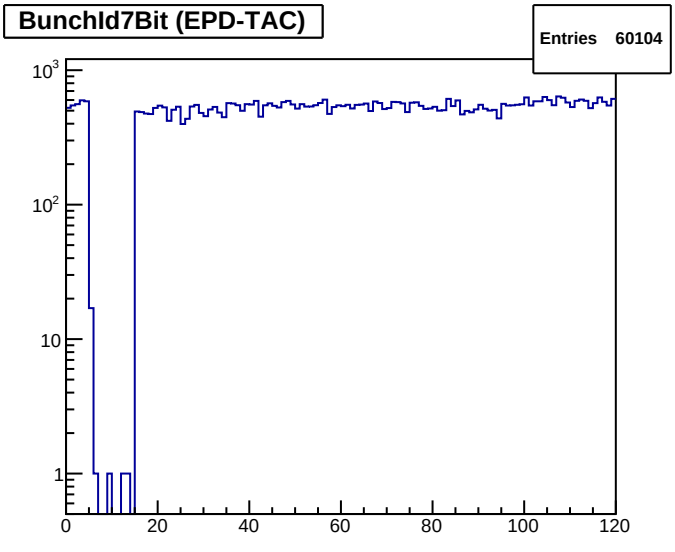
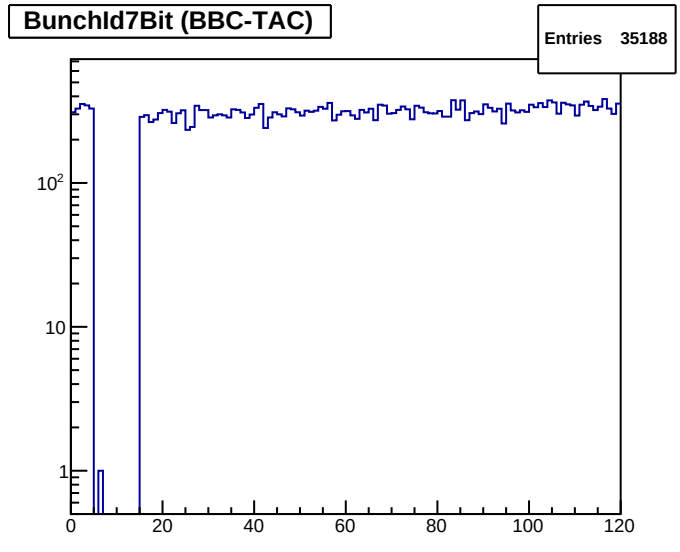
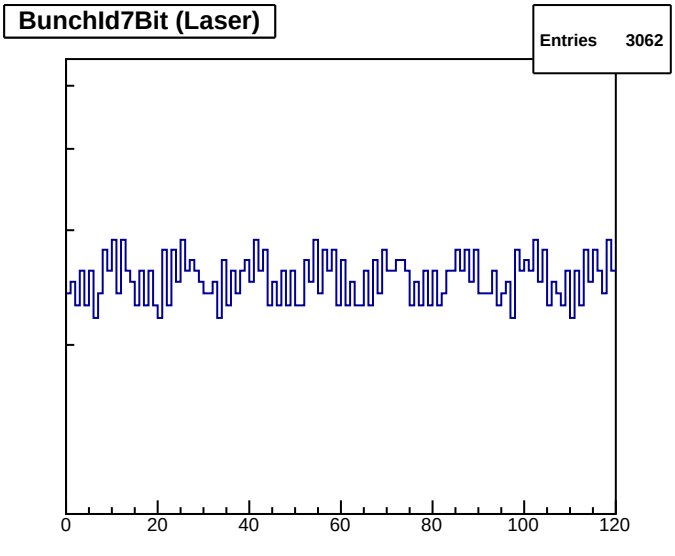
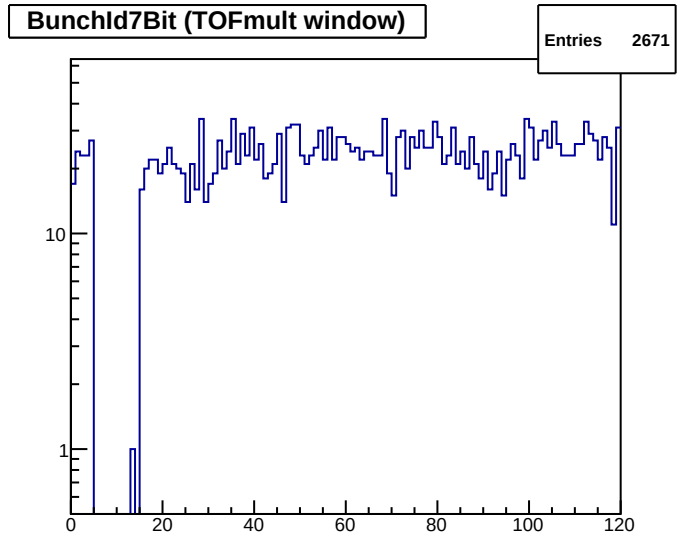

BunchId7Bit (VPD-TAC)
Entries 42400
0
20
40
60
80
100
120

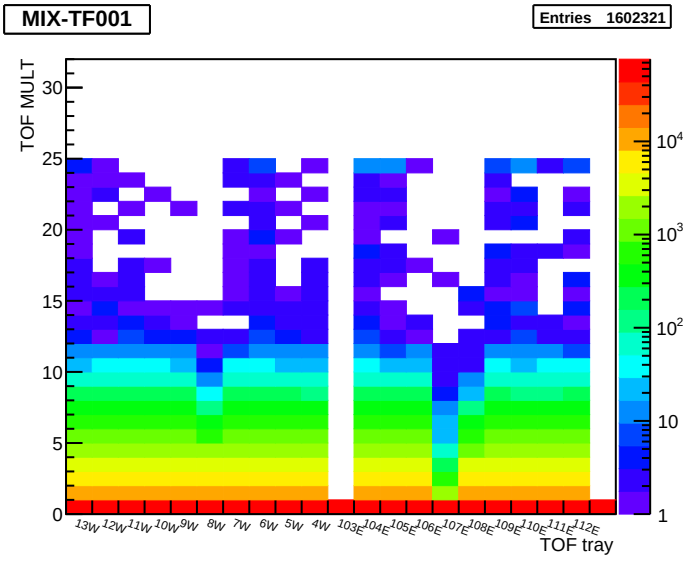

BunchId7Bit (ZDC-TAC)
Entries 174
1
0
20
40
60
80
100
120

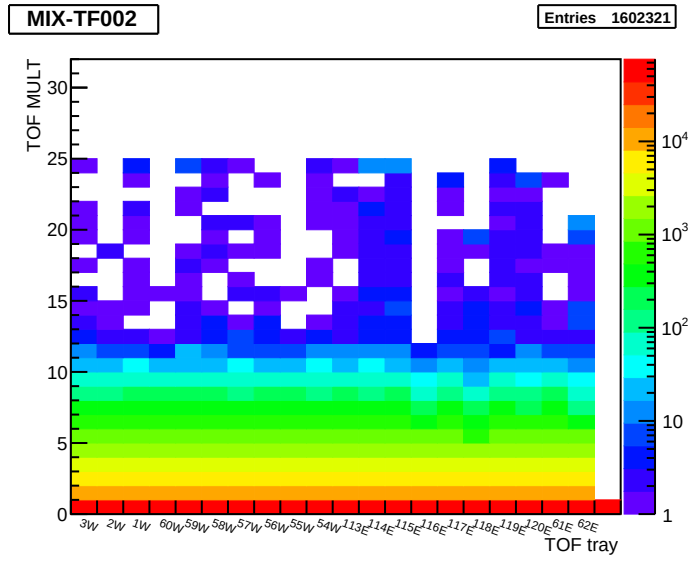

BunchId7Bit (EPD-TAC)
Entries 60104
10^3
10^2
10
1
0
20
40
60
80
100
120

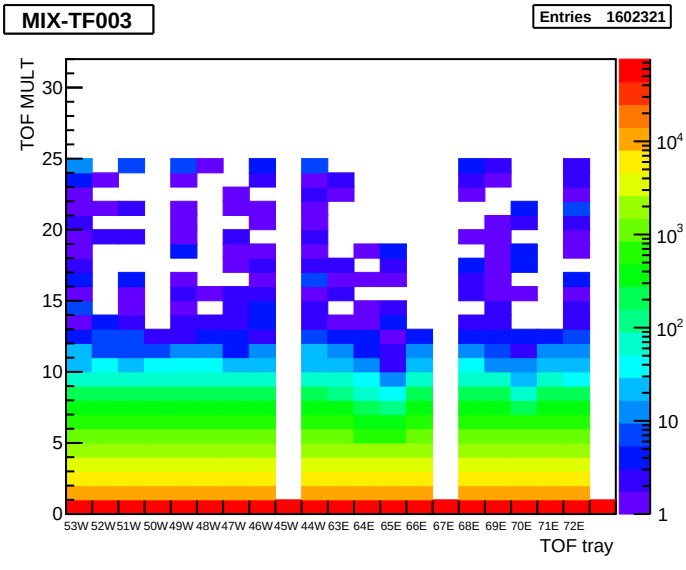

BunchId7Bit (BBC-TAC)
Entries 35188
10^2
10
1
0
20
40
60
80
100
120

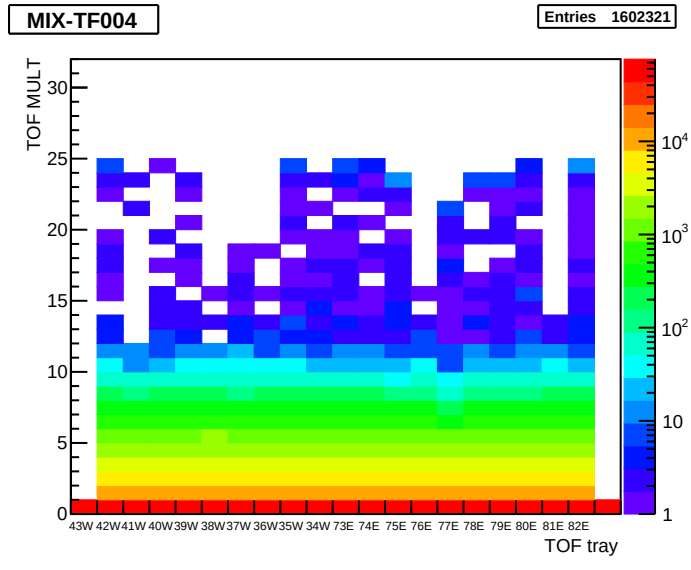

BunchId7Bit (Laser)
Entries 3062
0
20
40
60
80
100
120

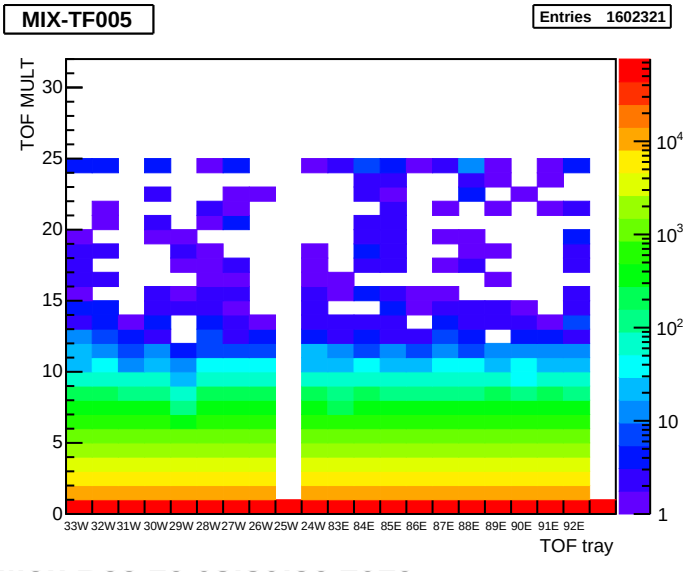

BunchId7Bit (TOFmult window)
Entries 2671
10
1
0
20
40
60
80
100
120

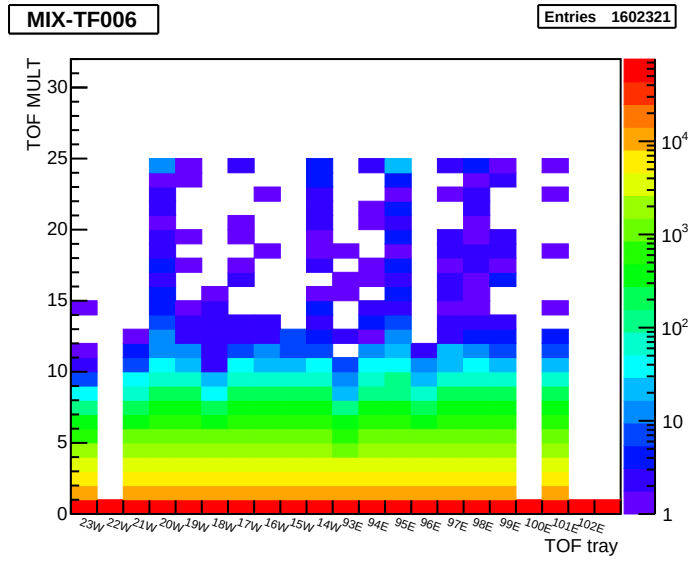

MIX-TF001
Entries 1602321
TOF MULT
TOF tray

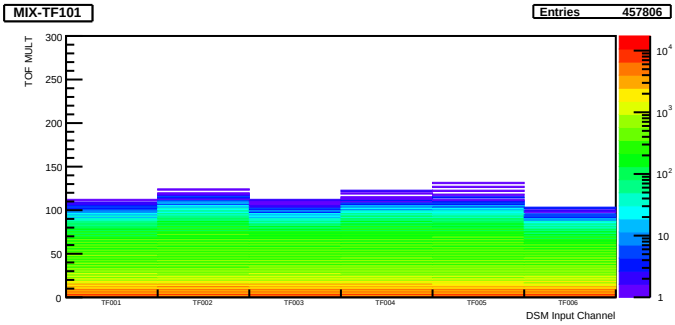

MIX-TF002
Entries 1602321
TOF MULT
TOF tray

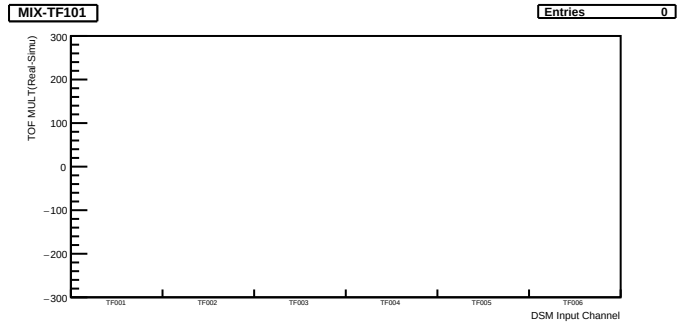

MIX-TF003
Entries 1602321
TOF MULT
TOF tray

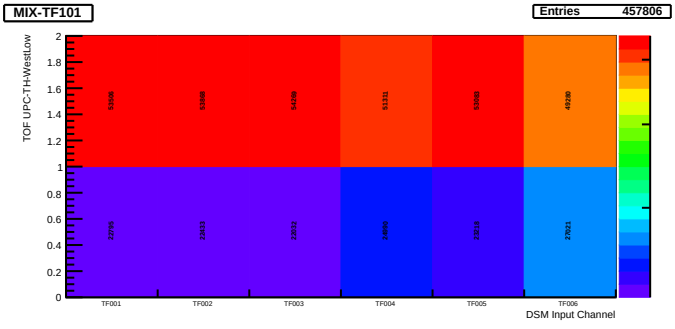

MIX-TF004
Entries 1602321
TOF MULT
TOF tray

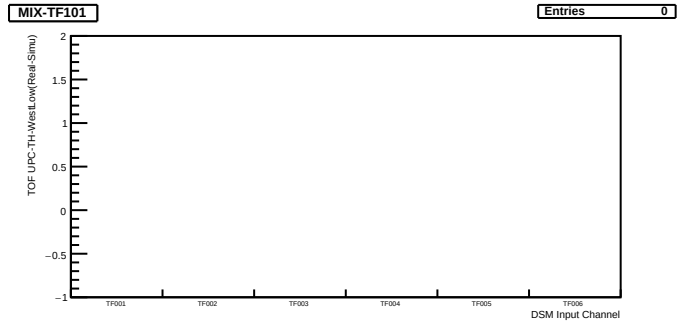

MIX-TF005
Entries 1602321
TOF MULT
TOF tray

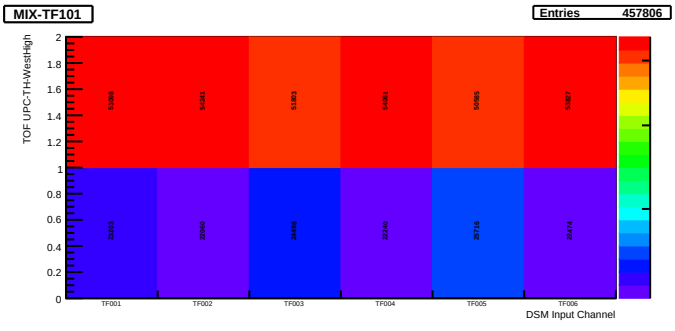

MIX-TF006
Entries 1602321
TOF MULT
TOF tray

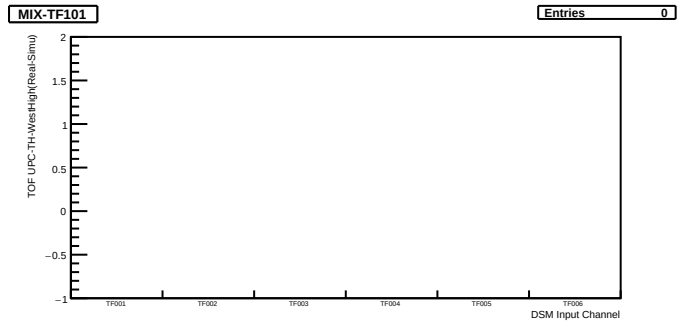

MIX-TF101
Entries 457806
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

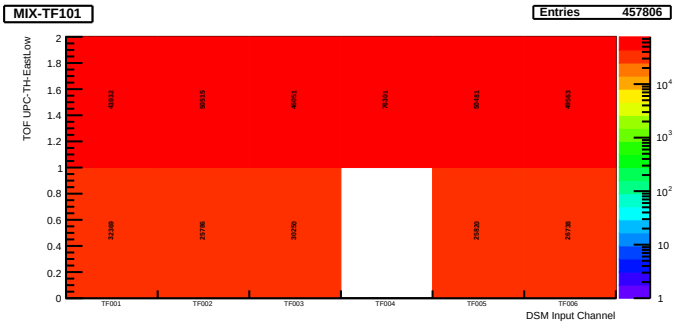

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

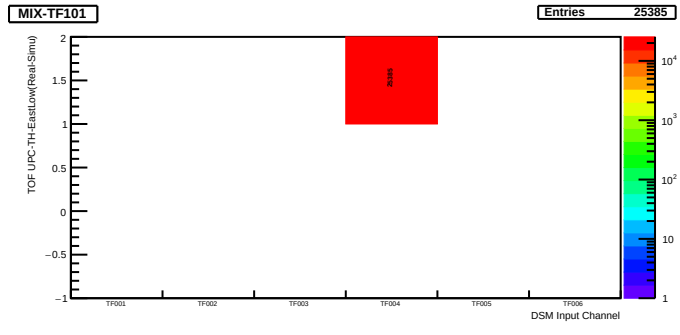

MIX-TF101
Entries 457806
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

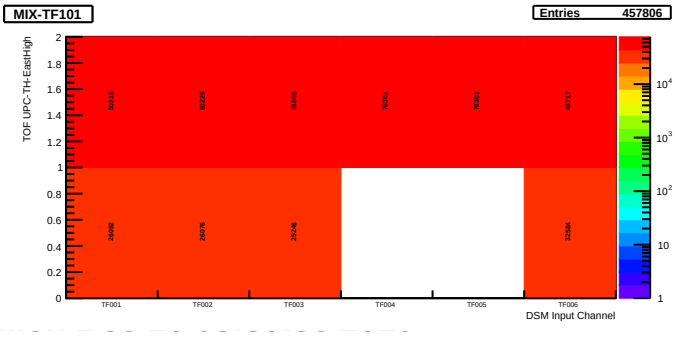

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

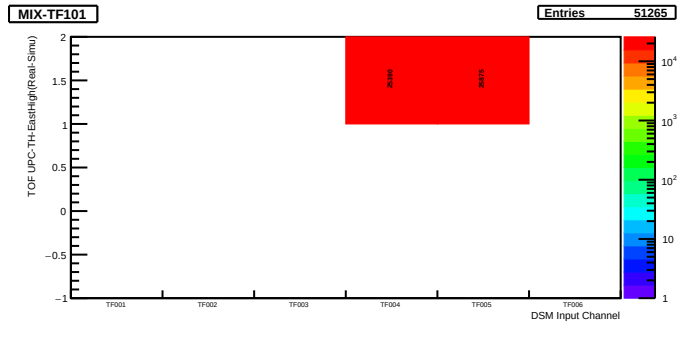

MIX-TF101
Entries 457806
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

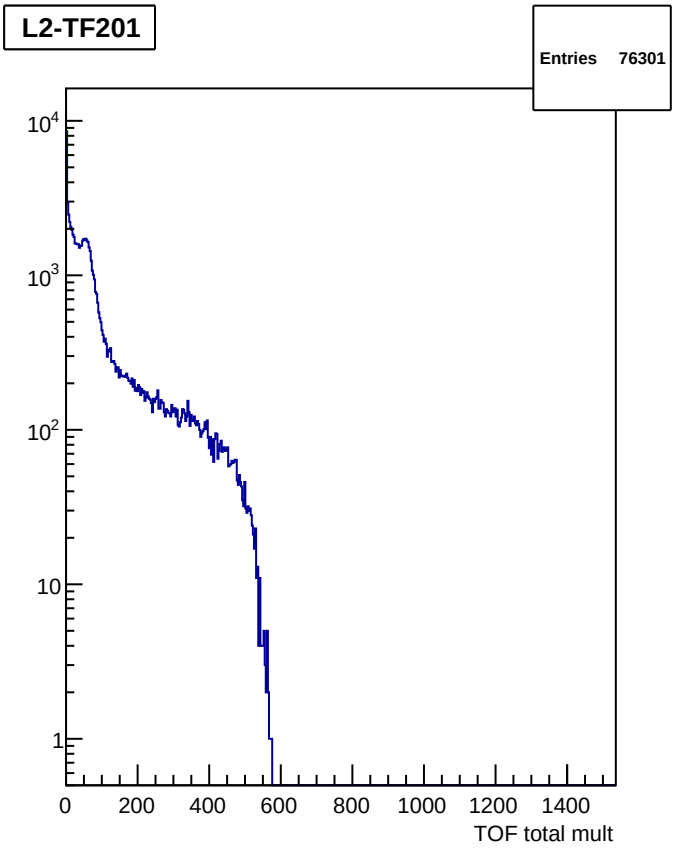

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

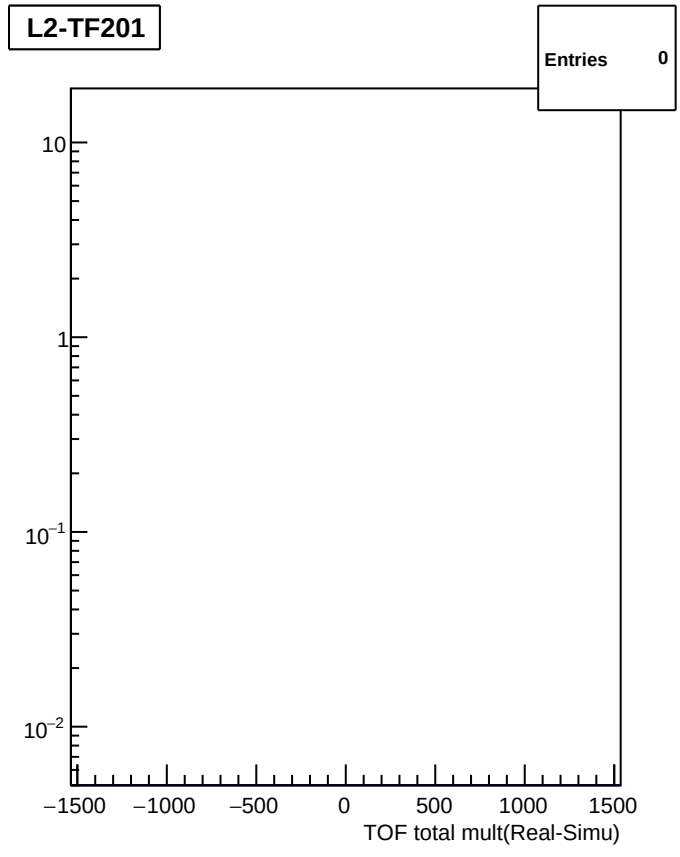

MIX-TF101
Entries 457806
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

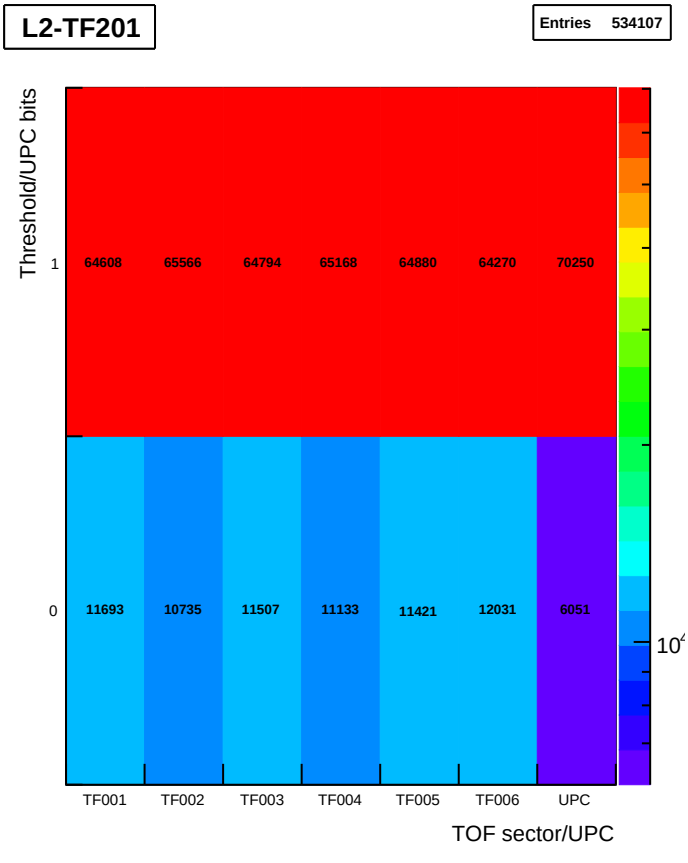

MIX-TF101
Entries 25385
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

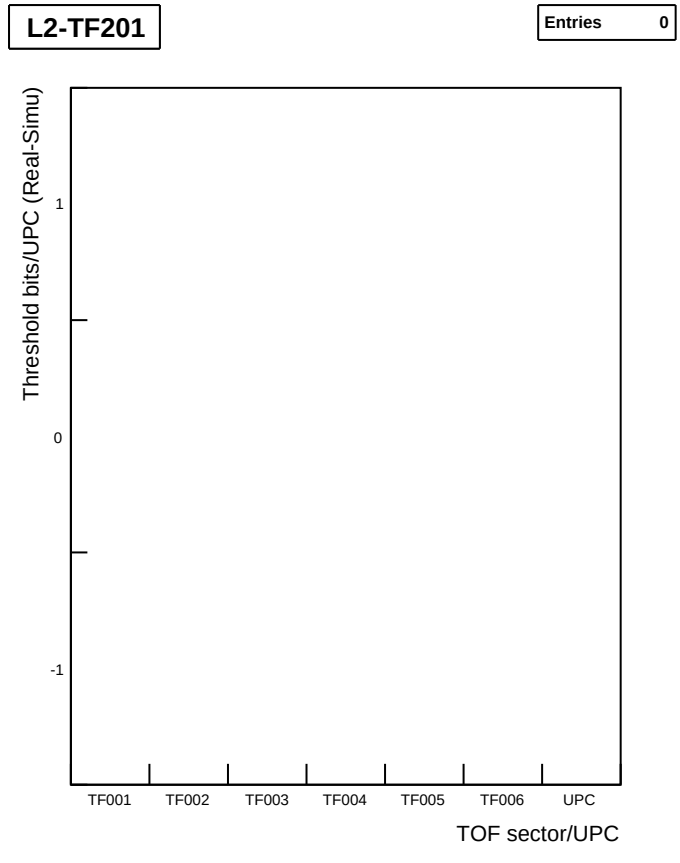

MIX-TF101
Entries 457806
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

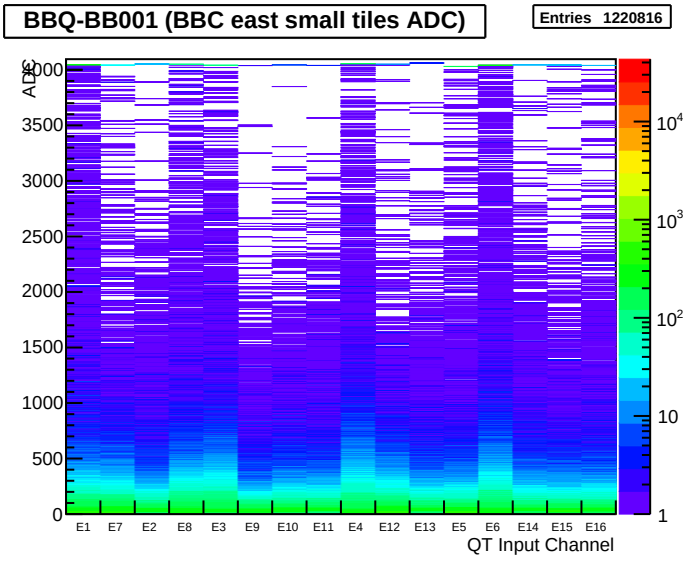

MIX-TF101
Entries 51265
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

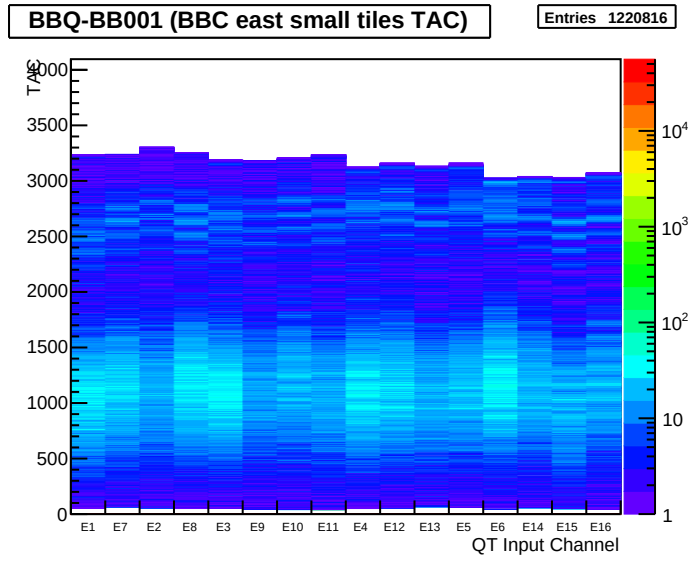

L2-TF201
Entries 76301
TOF total mult

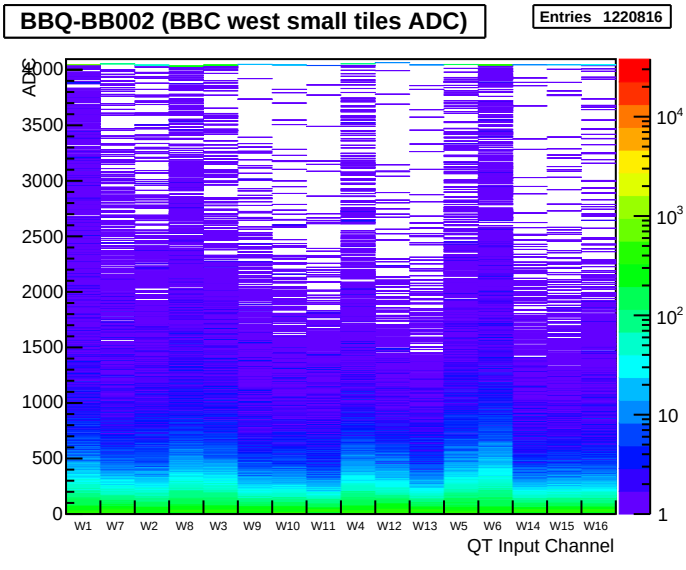

L2-TF201
Entries 0
TOF total mult(Real-Simu)

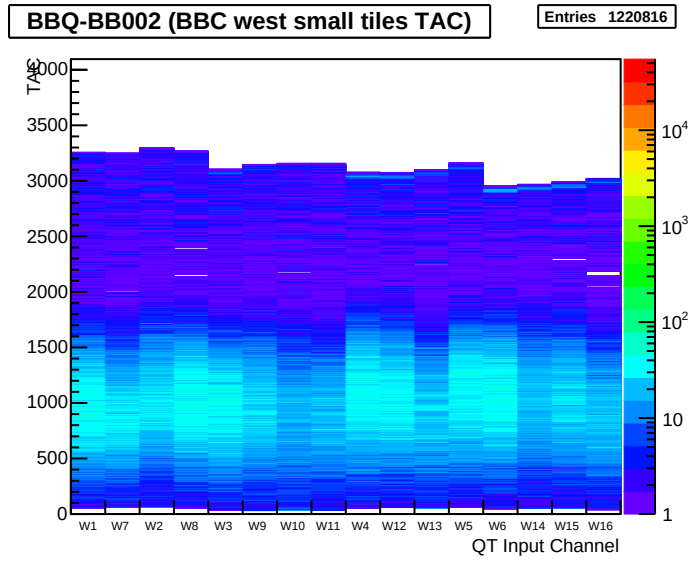

L2-TF201
Entries 534107
Threshold/UPC bits
64608
65566
64794
65168
64880
64270
70250
11693
10735
11507
11133
11421
12031
6051
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

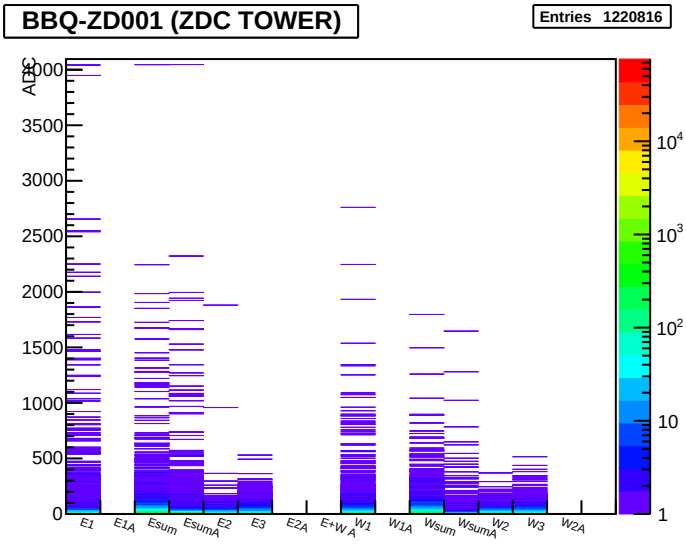

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

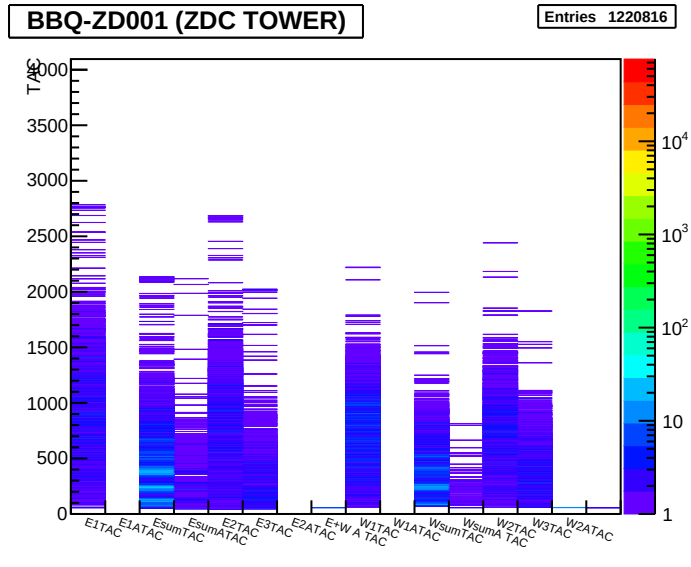

BBQ-BB001 (BBC east small tiles ADC)
Entries 1220816
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

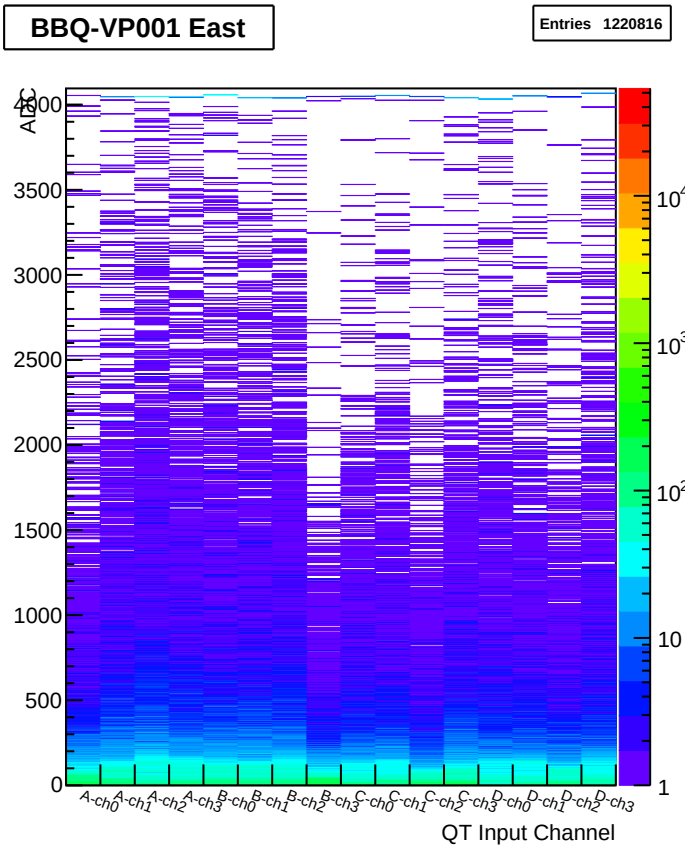

BBQ-BB001 (BBC east small tiles TAC)
Entries 1220816
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

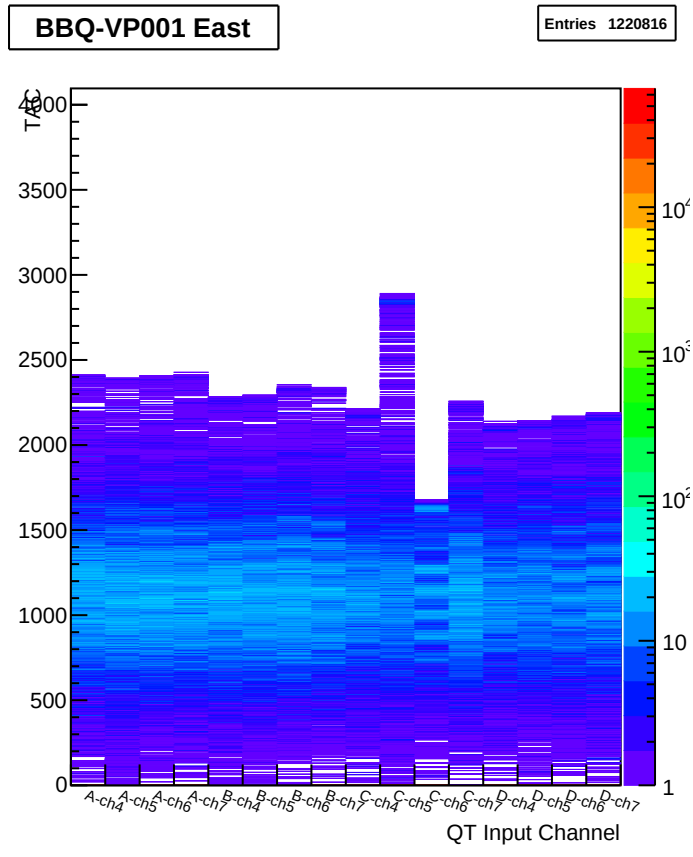

BBQ-BB002 (BBC west small tiles ADC)
Entries 1220816
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

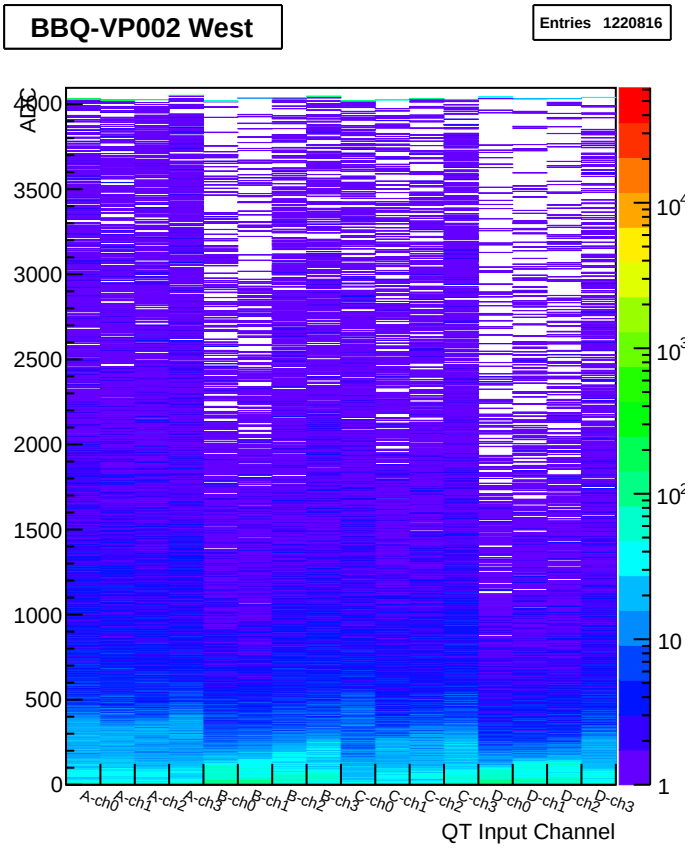

BBQ-BB002 (BBC west small tiles TAC)
Entries 1220816
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

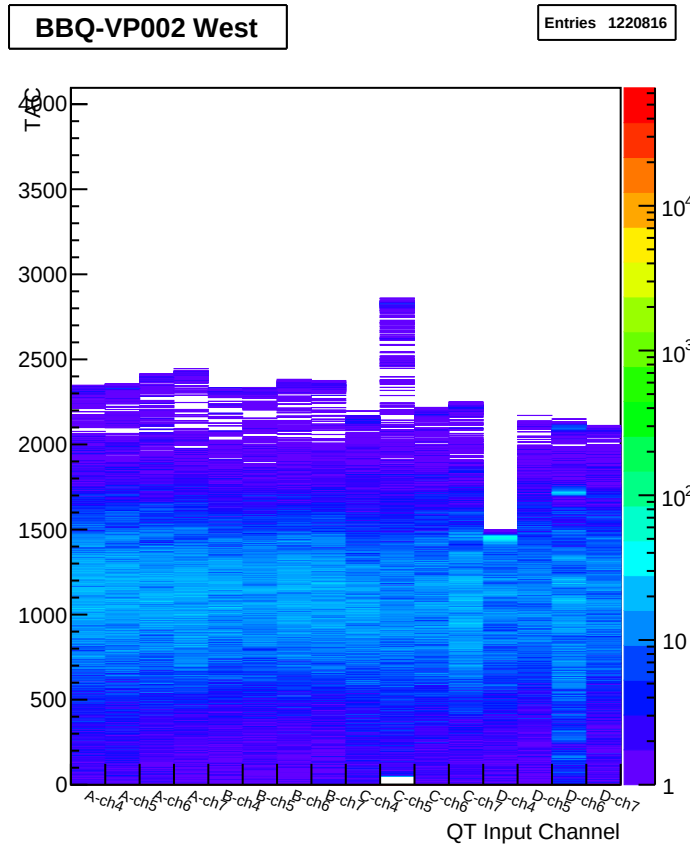

BBQ-ZD001 (ZDC TOWER)
Entries 1220816
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

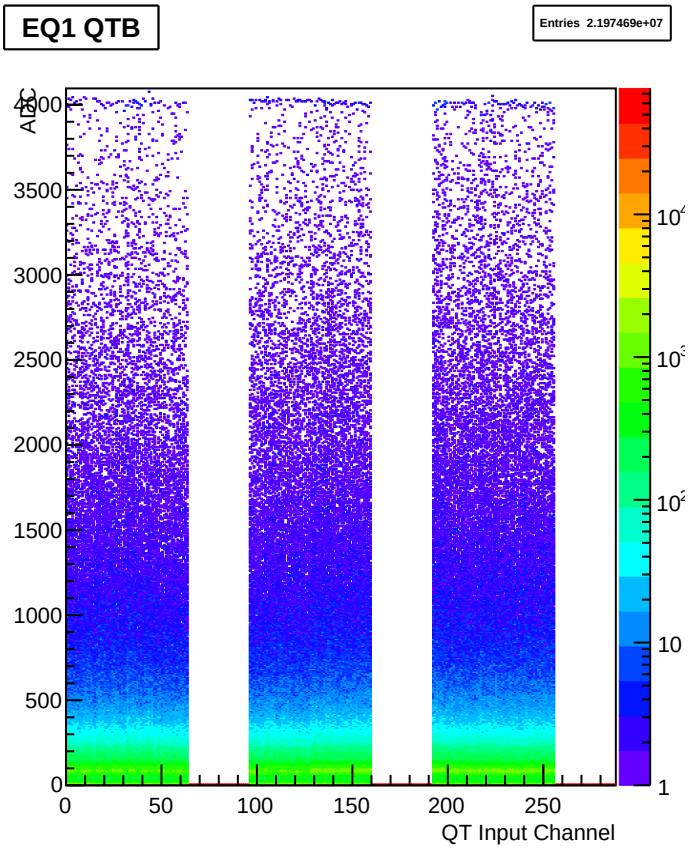

BBQ-ZD001 (ZDC TOWER)
Entries 1220816
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

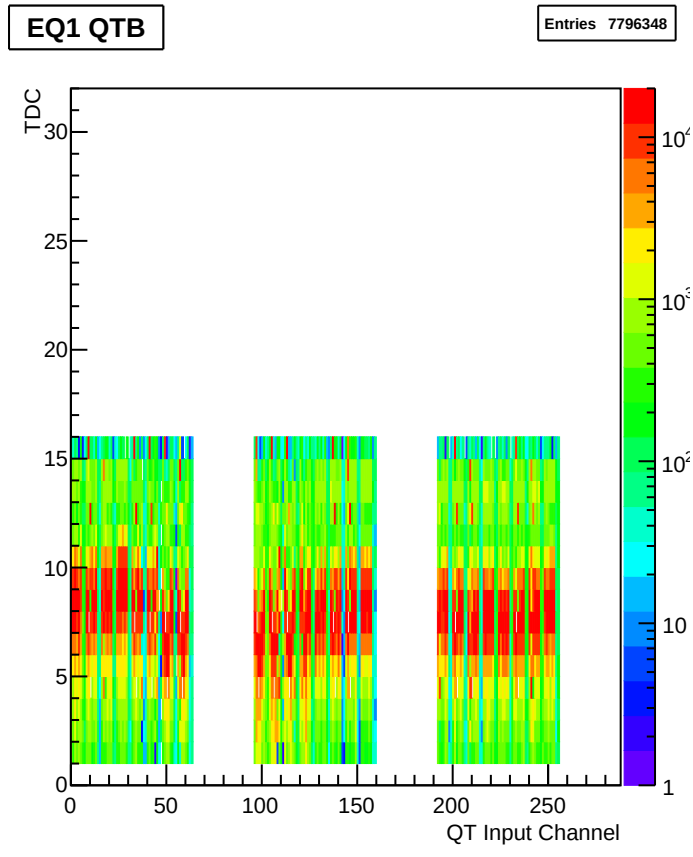

BBQ-VP001 East
Entries 1220816
ADC
QT Input Channel

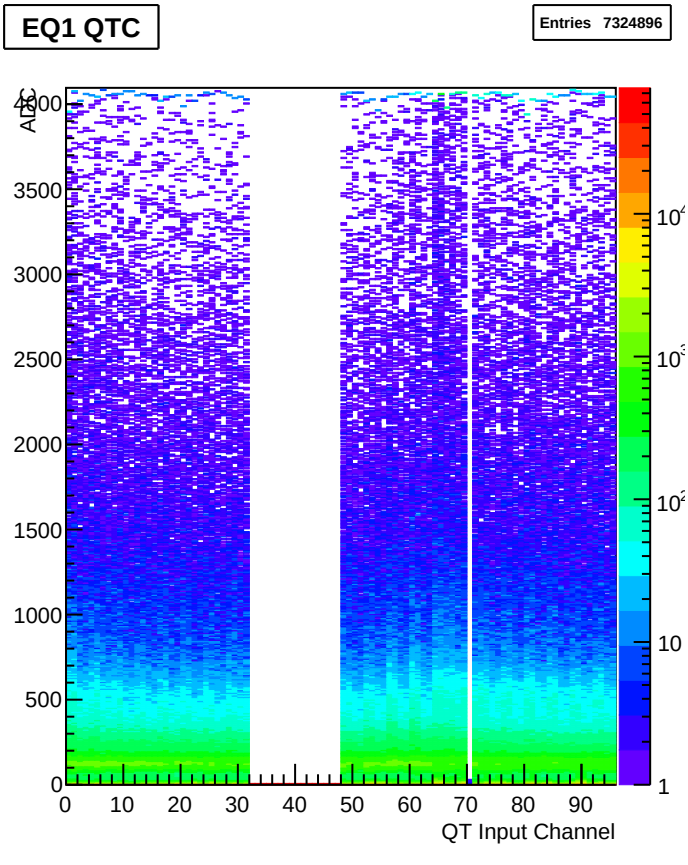

BBQ-VP001 East
Entries 1220816
TADC
QT Input Channel

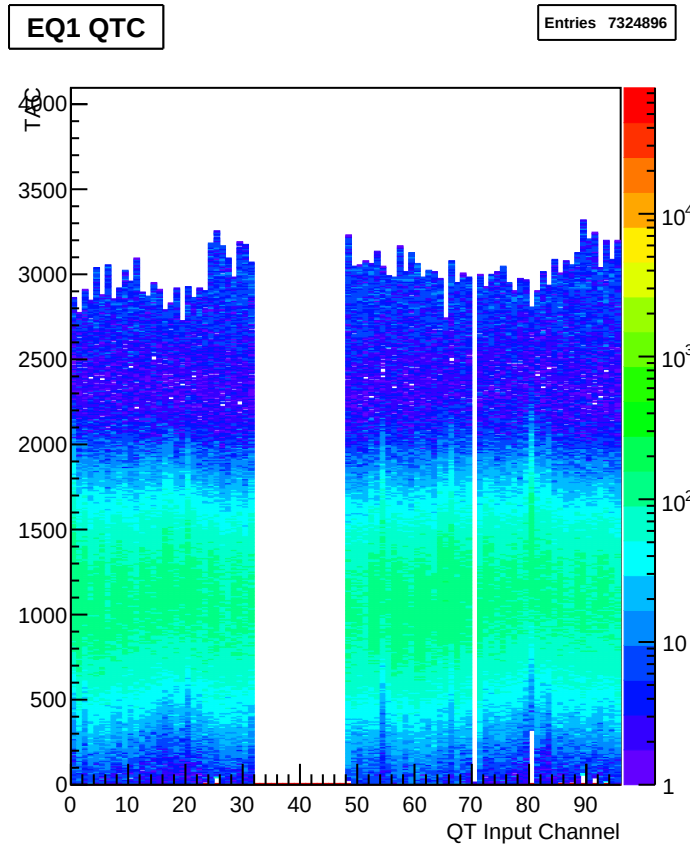

BBQ-VP002 West
Entries 1220816
ADC
QT Input Channel

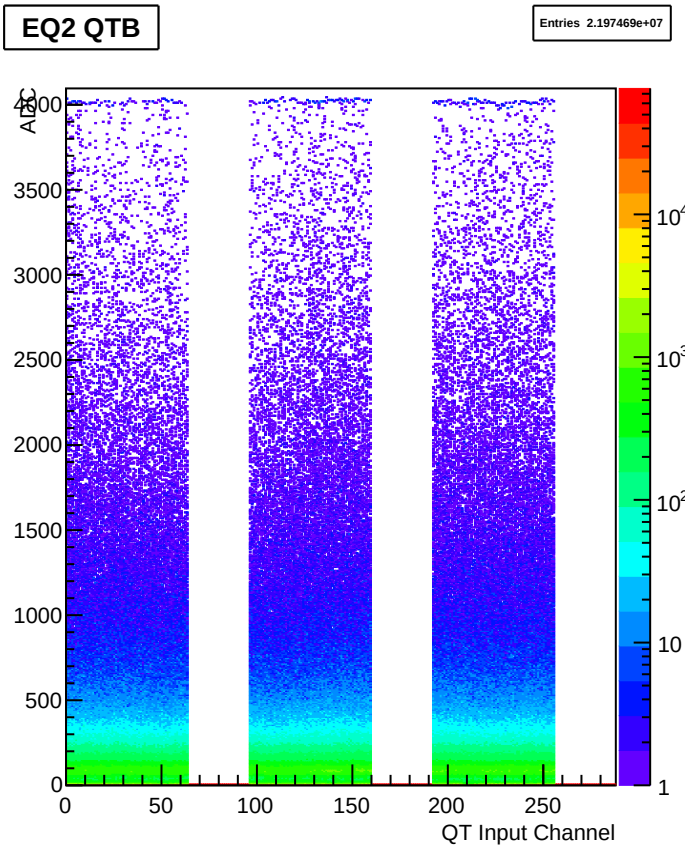

BBQ-VP002 West
Entries 1220816
TADC
QT Input Channel

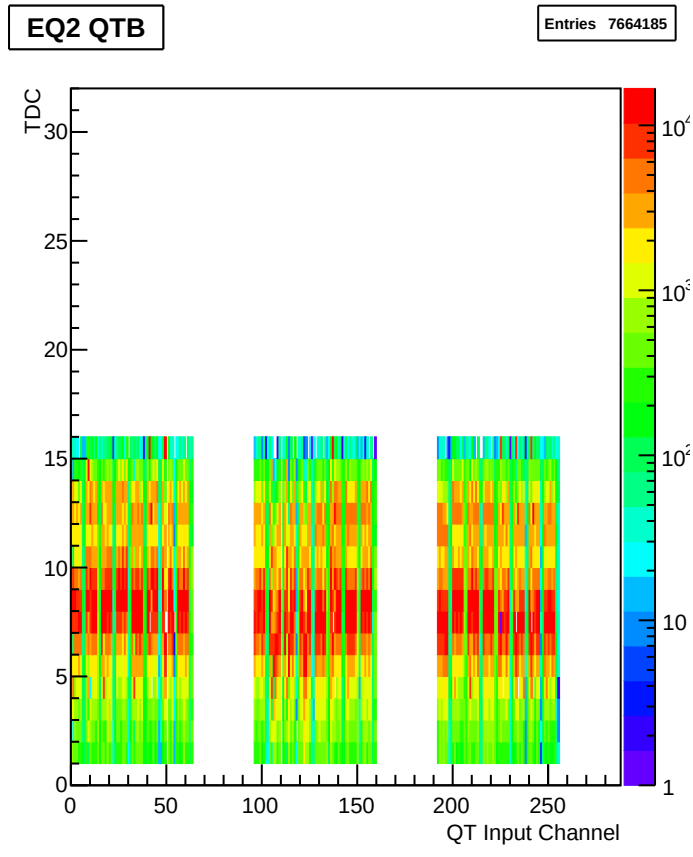

EQ1 QTB
Entries 2.197469e+07
ADC
QT Input Channel

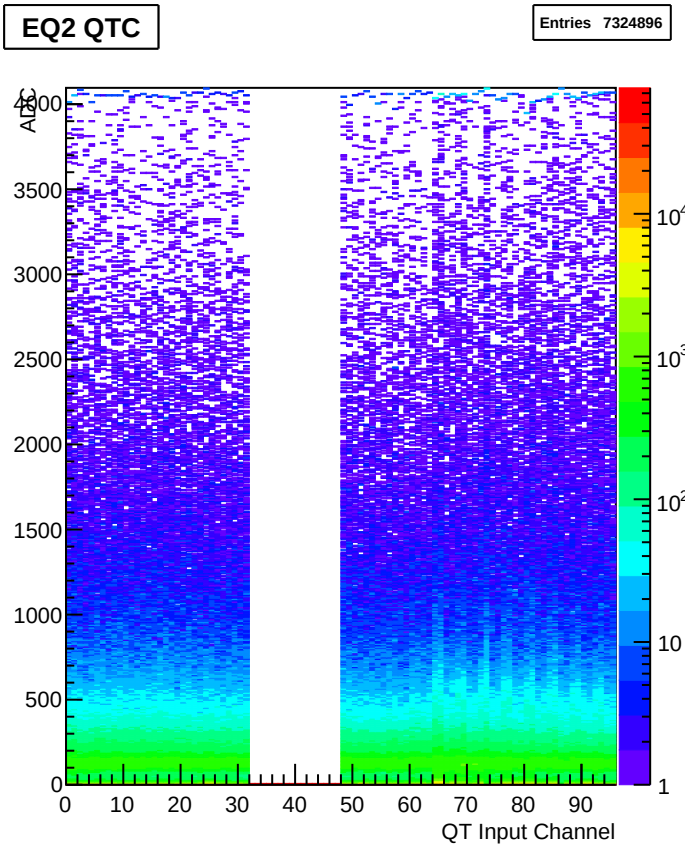

EQ1 QTB
Entries 7796348
TDC
QT Input Channel

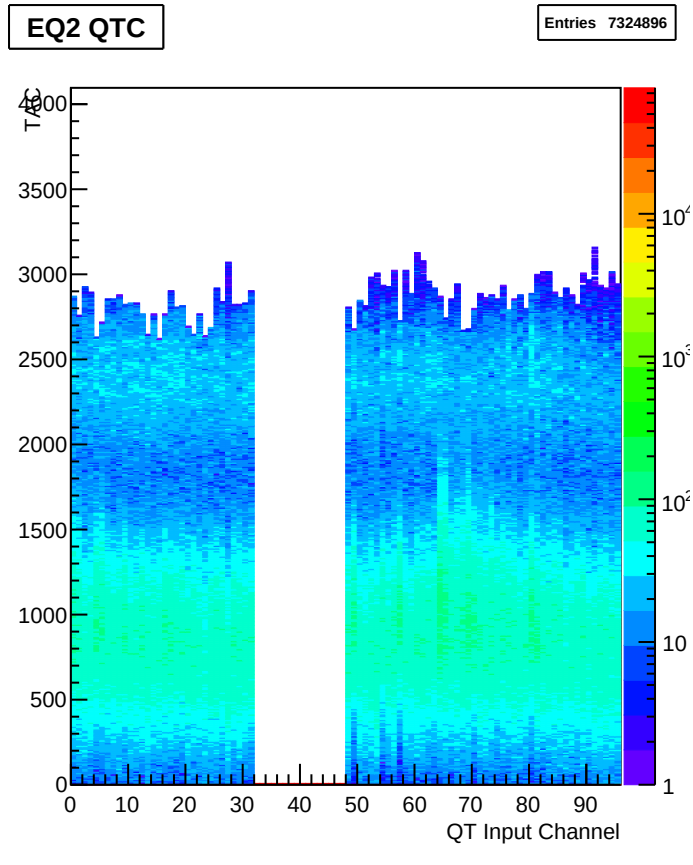

EQ1 QTC
Entries 7324896
ADC
QT Input Channel

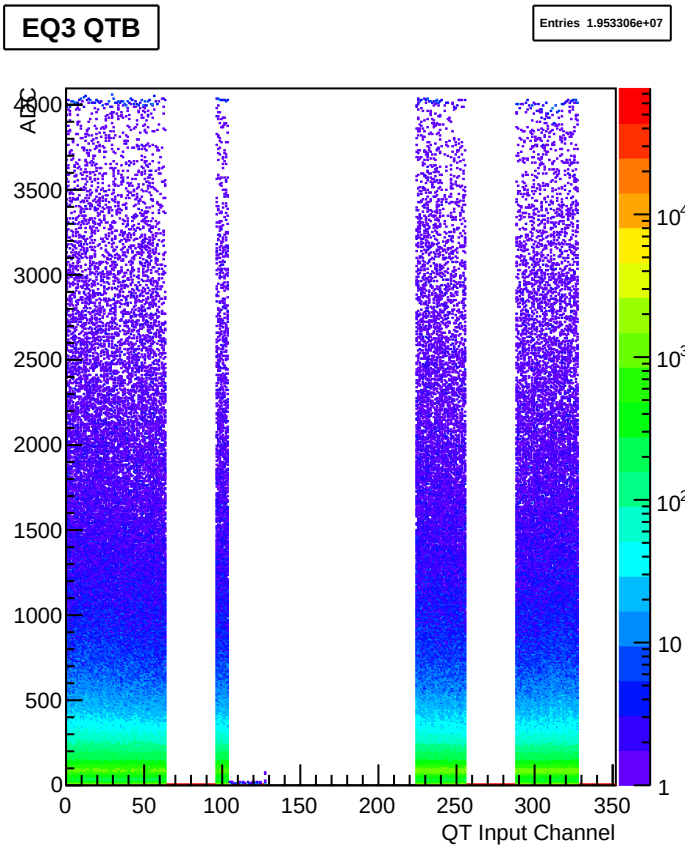

EQ1 QTC
Entries 7324896
TADC
QT Input Channel

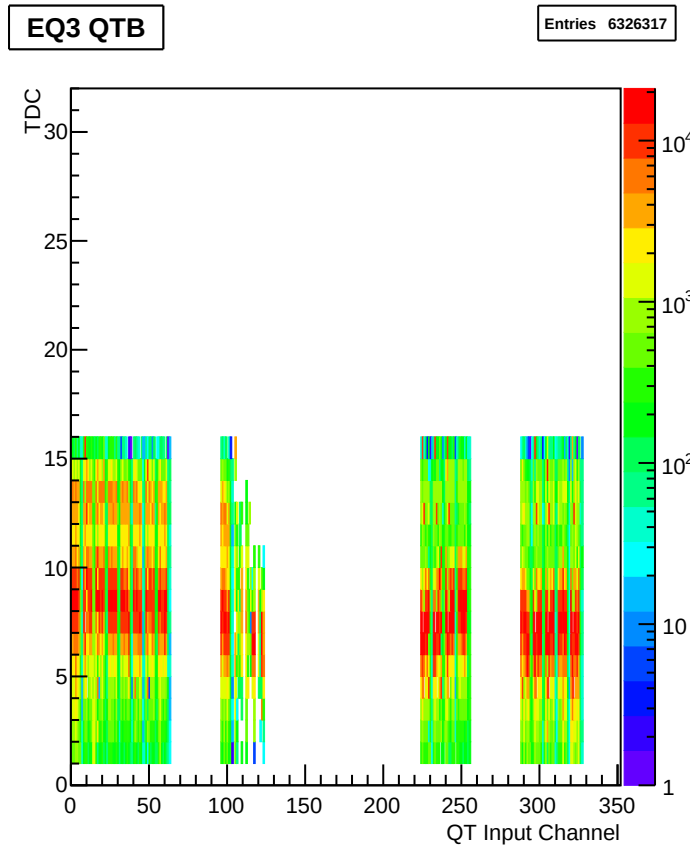

EQ2 QTB
Entries 2.197469e+07
ADC
QT Input Channel

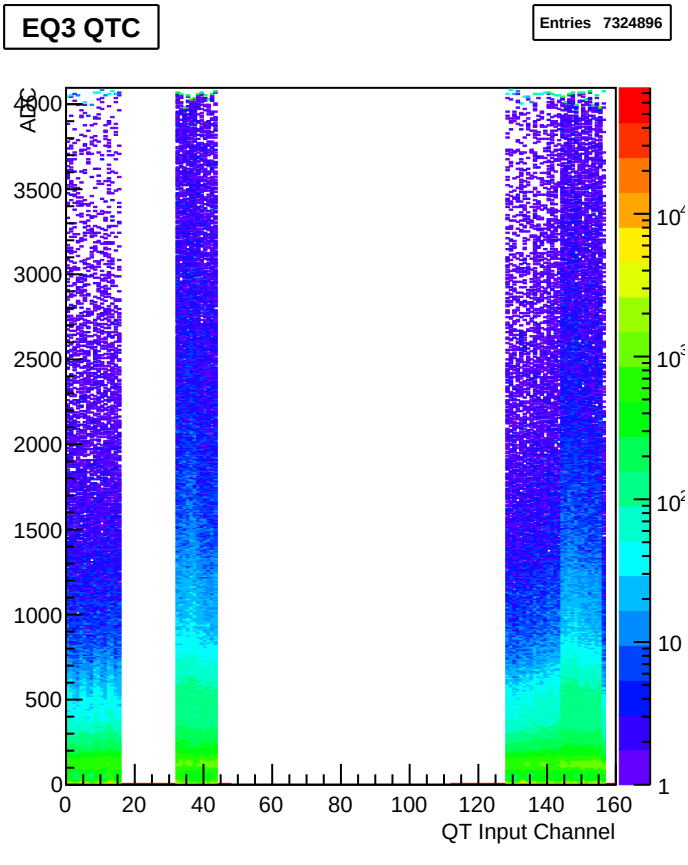

EQ2 QTB
Entries 7664185
TDC
QT Input Channel

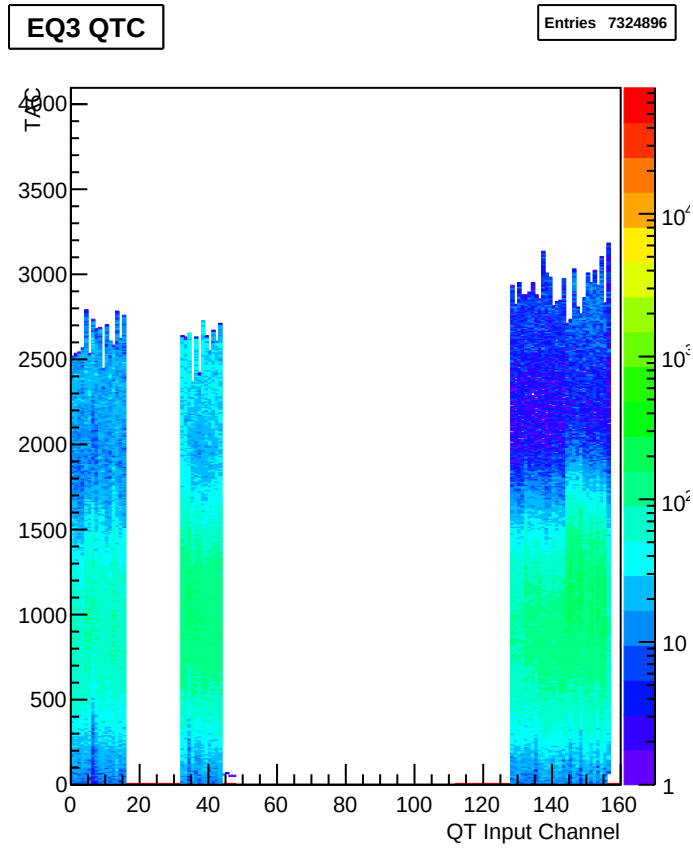

EQ2 QTC
Entries 7324896
ADC
QT Input Channel

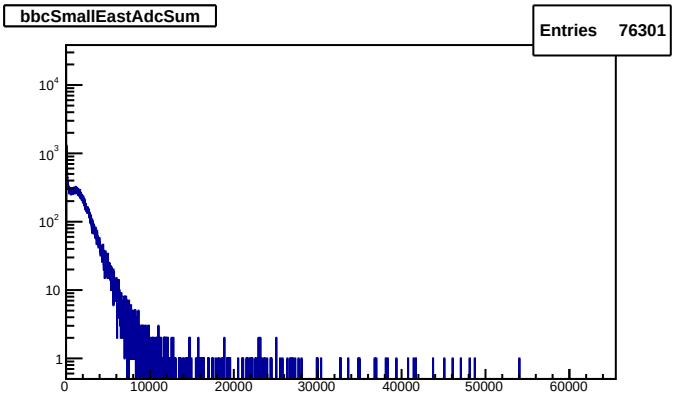

EQ2 QTC
Entries 7324896
TADC
QT Input Channel

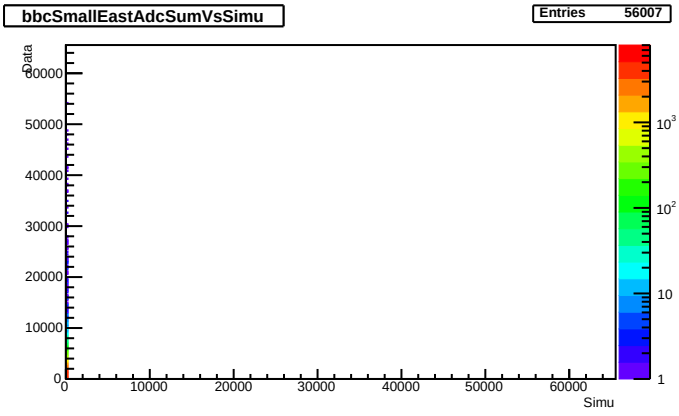

EQ3 QTB
Entries 1.953306e+07
ADC
QT Input Channel

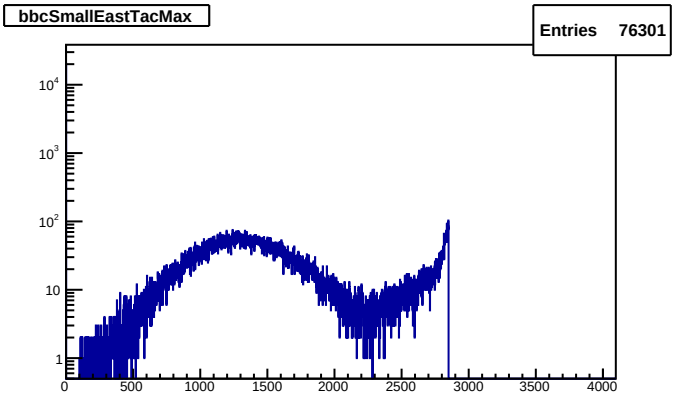

EQ3 QTB
Entries 6326317
TDC
QT Input Channel

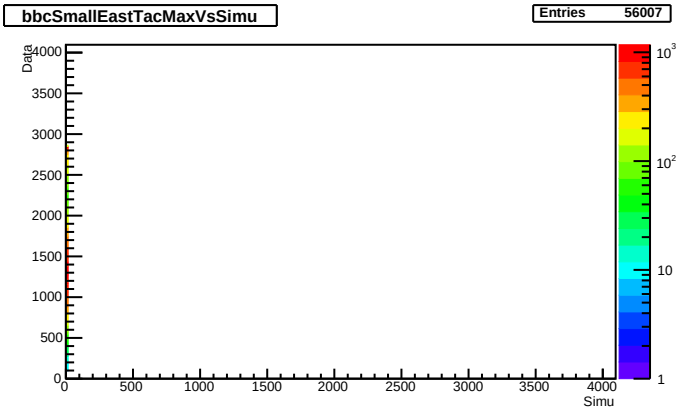

EQ3 QTC
Entries 7324896
ADC
QT Input Channel

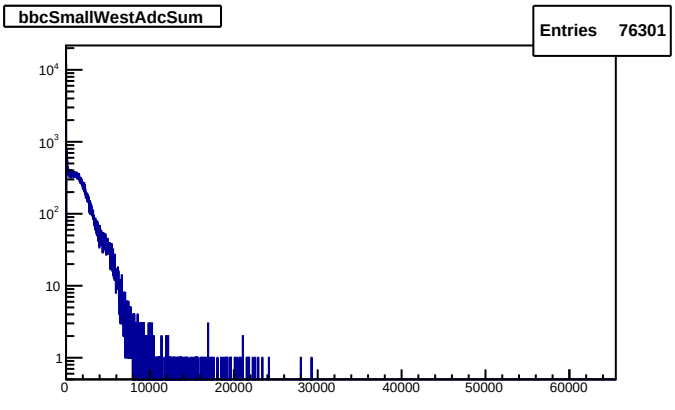

EQ3 QTC
Entries 7324896
TADC
QT Input Channel

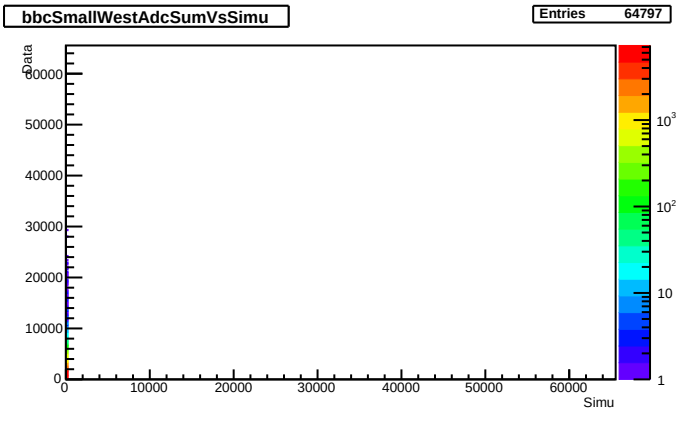

bbcSmallEastAdcSum
Entries 76301


bbcSmallEastAdcSumVsSimu
Entries 56007
Data
Simu


bbcSmallEastTacMax
Entries 76301


bbcSmallEastTacMaxVsSimu
Entries 56007
Data
Simu


bbcSmallWestAdcSum
Entries 76301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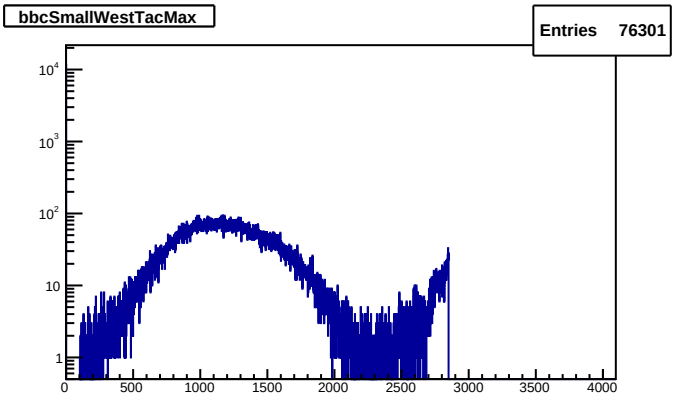
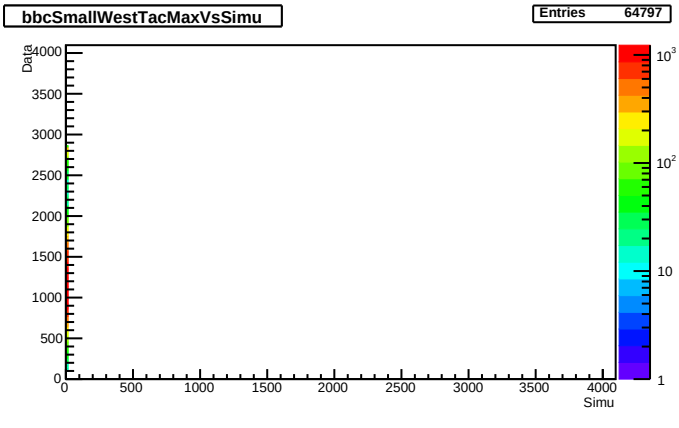
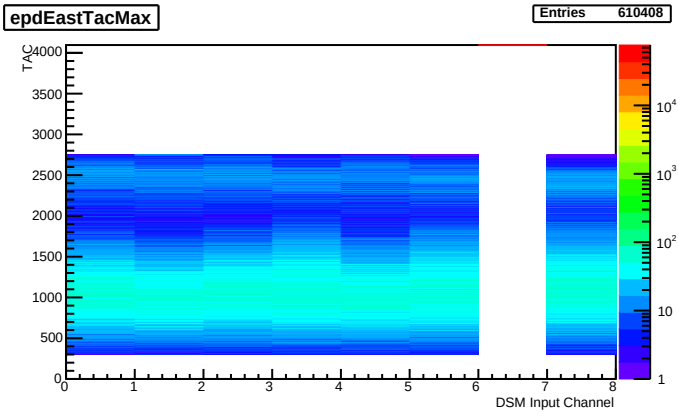
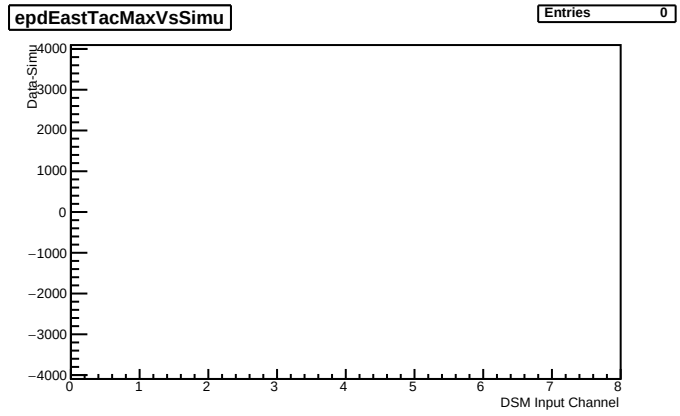
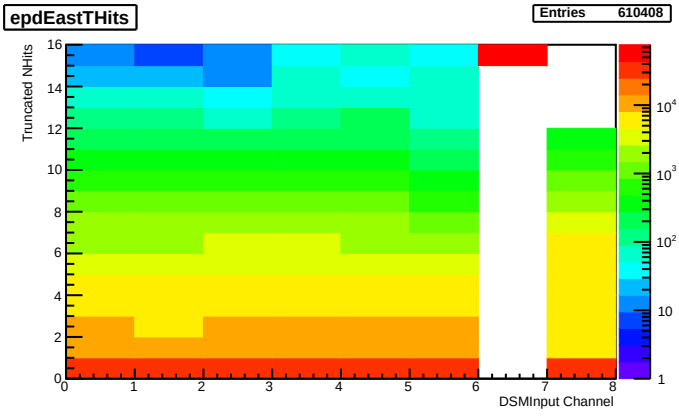
Entries 64797
Data
Simu

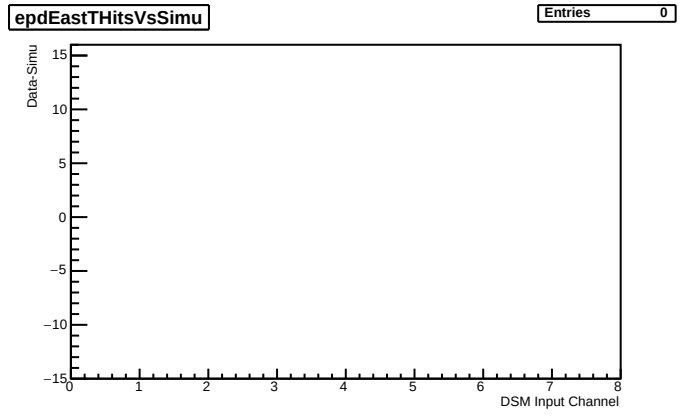

bbcSmallWestTacMax
Entries 76301


bbcSmallWestTacMaxVsSimu
Entries 64797
Data
Simu


epdEastTacMax
Entries 610408
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 610408
Truncated NHits
DSMInput Channel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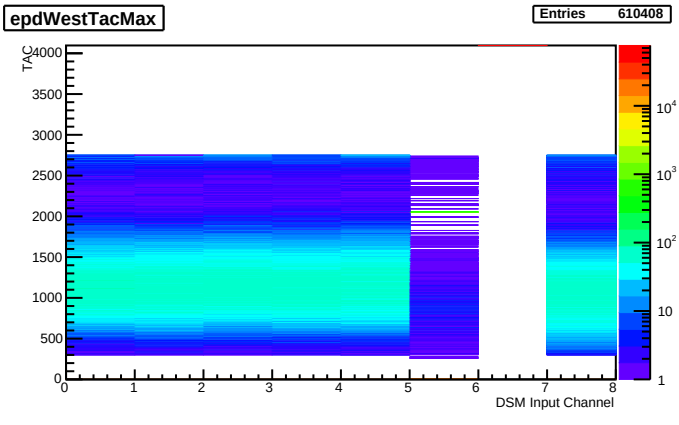
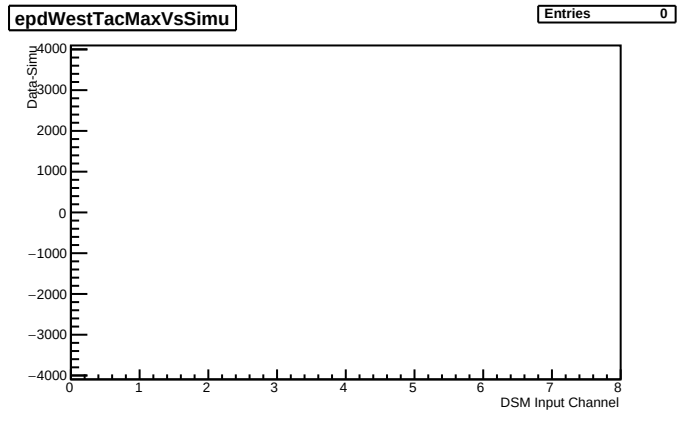
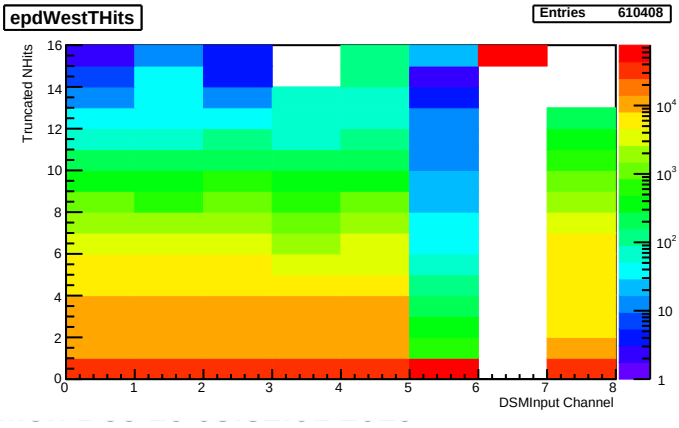
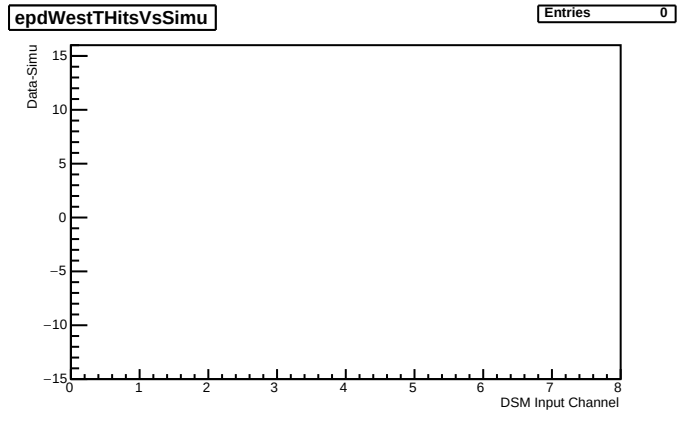
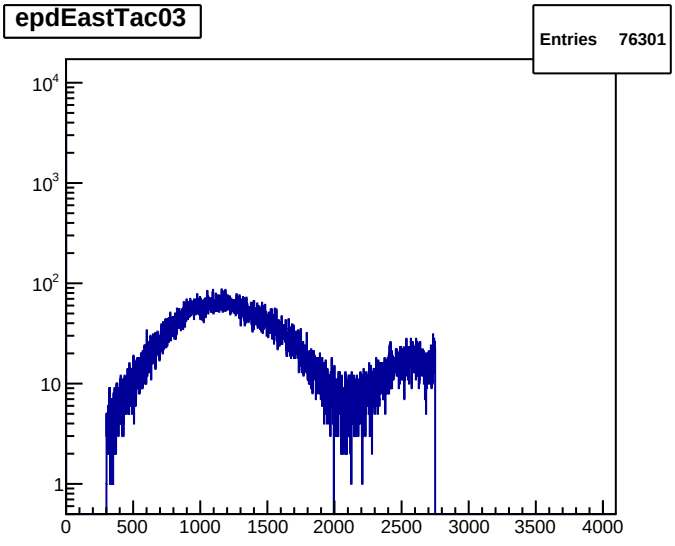
Entries 0
Data-Simu
DSM Input Channel

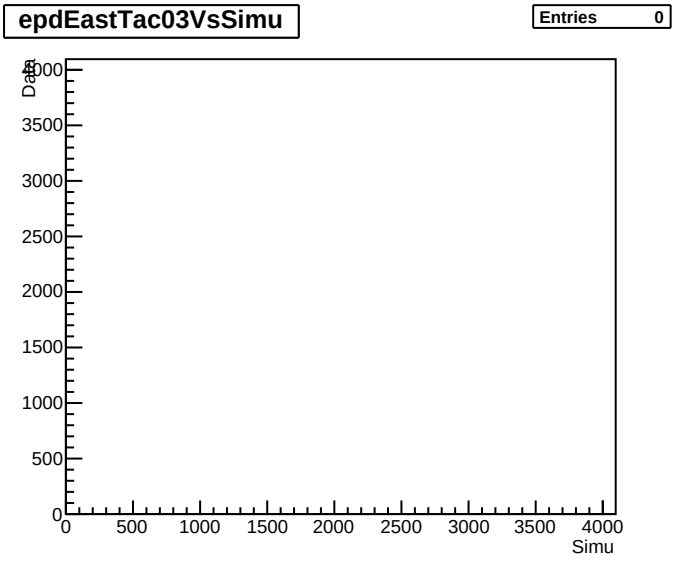

epdWestTacMax
Entries 610408
TAC
DSM Input Channel

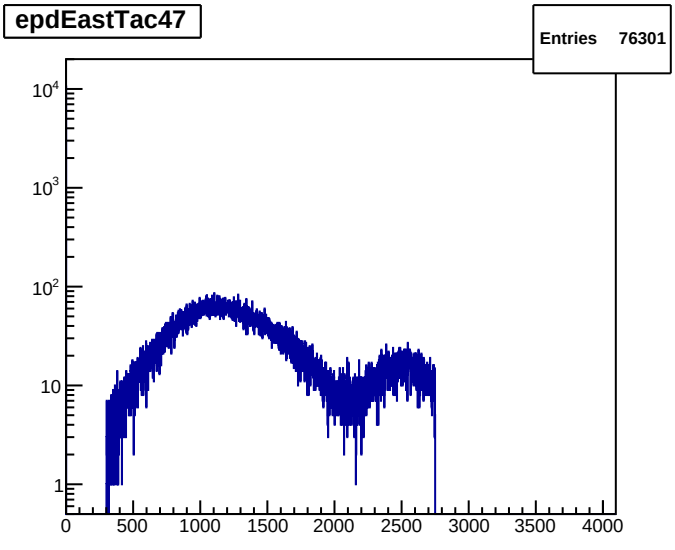

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

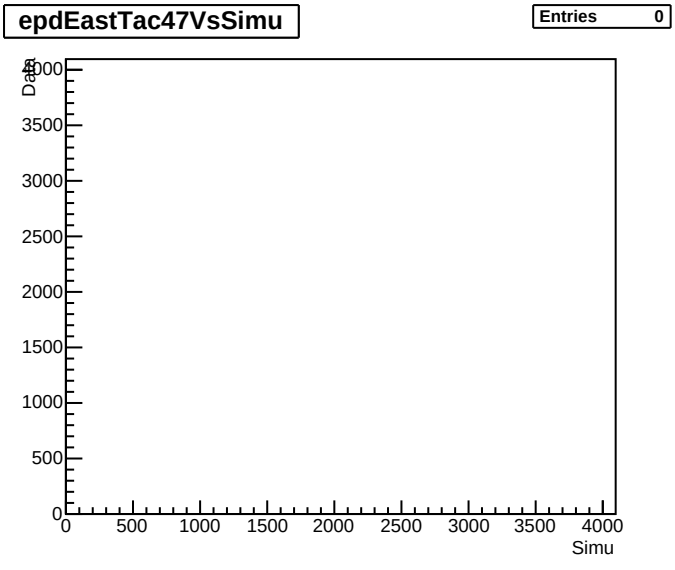

epdWestTHits
Entries 610408
Truncated NHits
DSMInput Channel

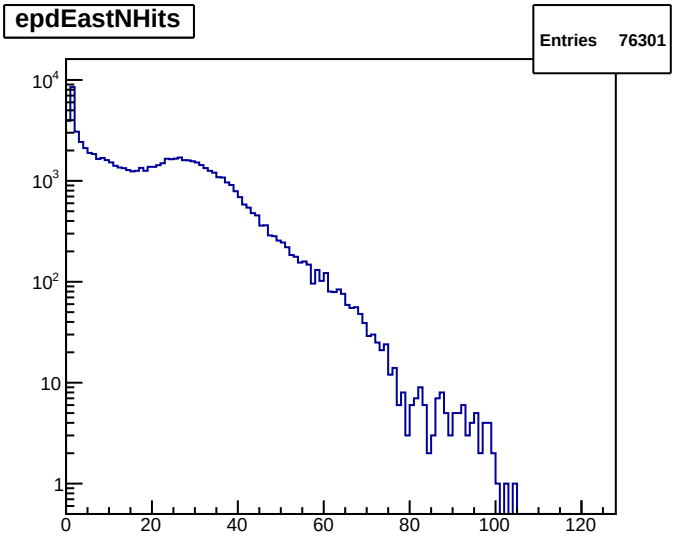

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

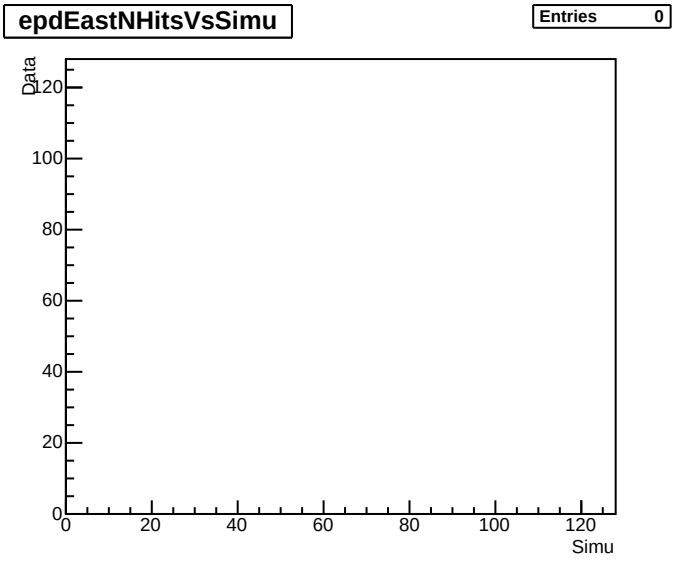

epdEastTac03
Entries 76301


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 76301


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 76301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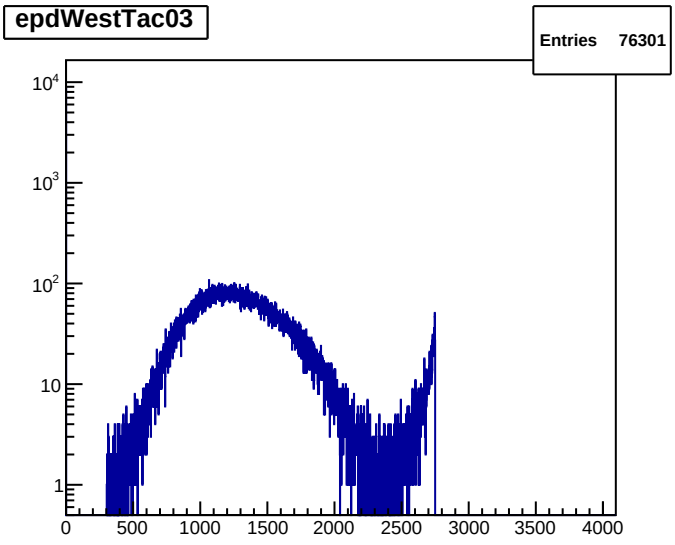
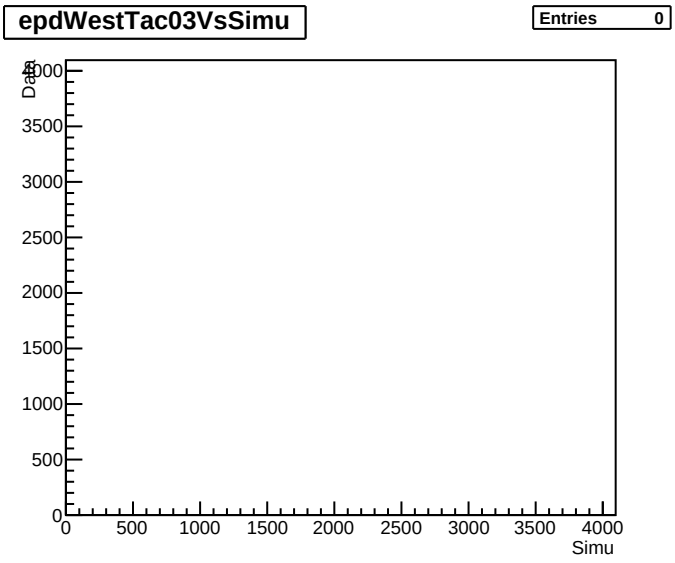
Entries 0
Data
Simu


epdWestTac03
Entries 76301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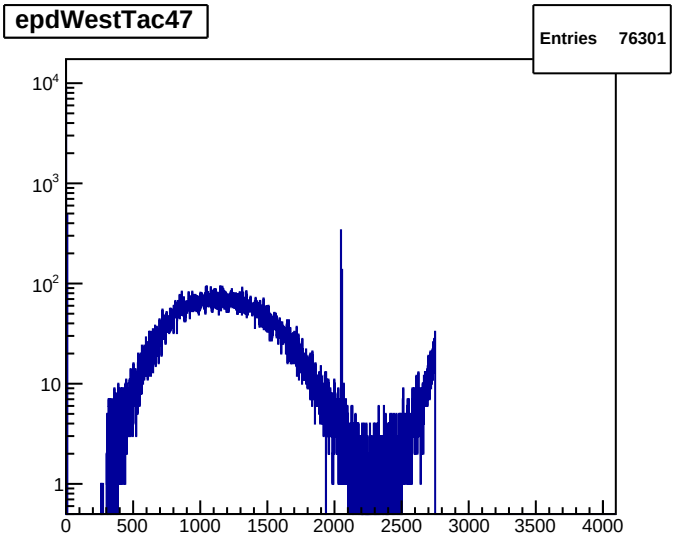
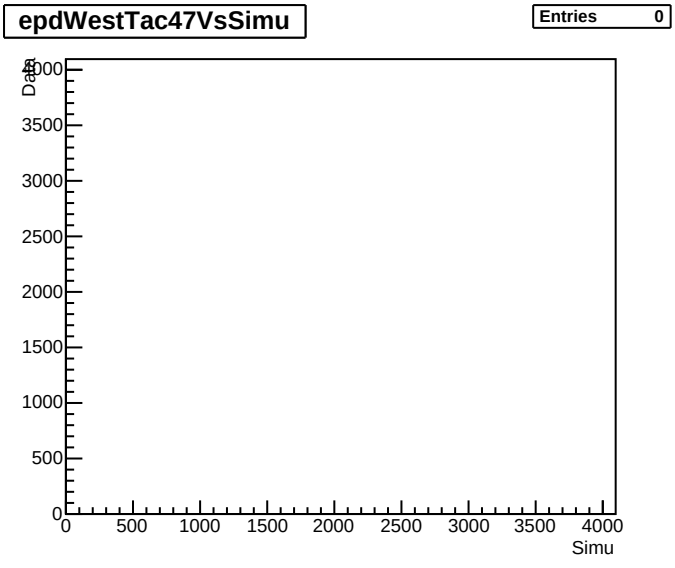
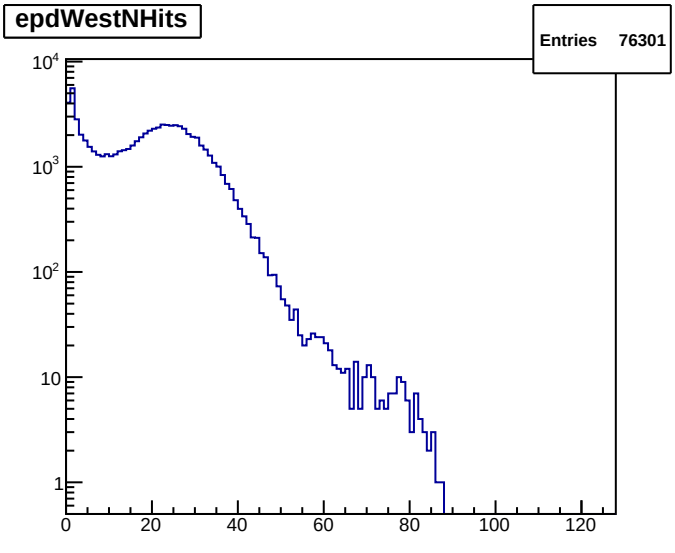
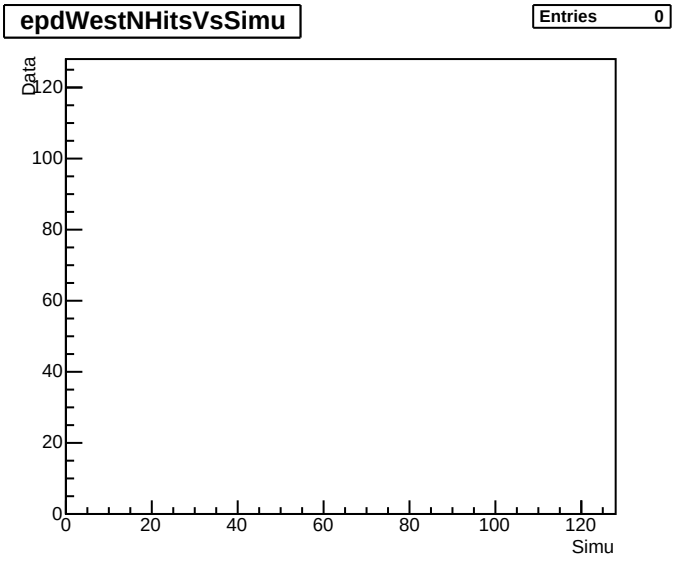
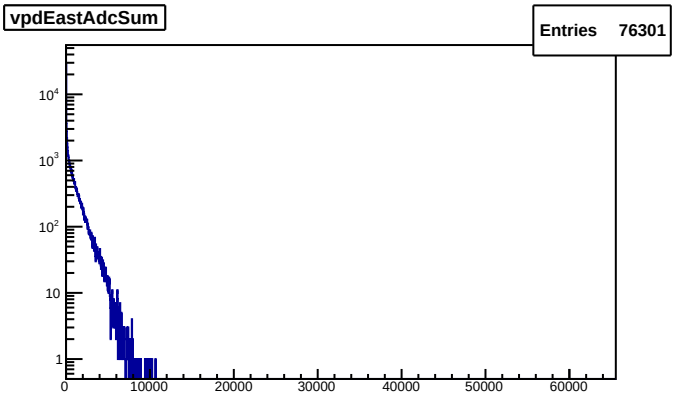
Entries 0
Data
Simu

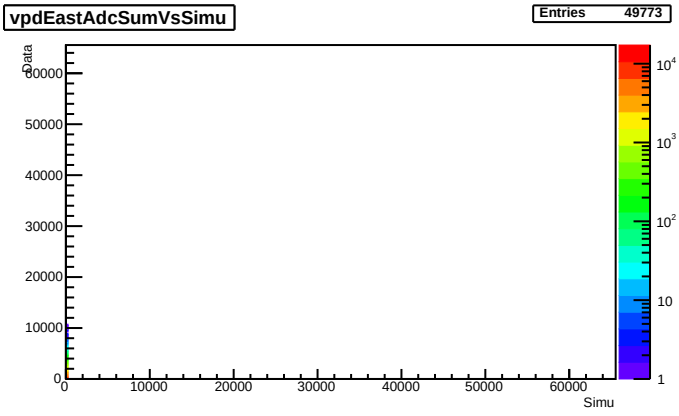

epdWestTac47
Entries 76301

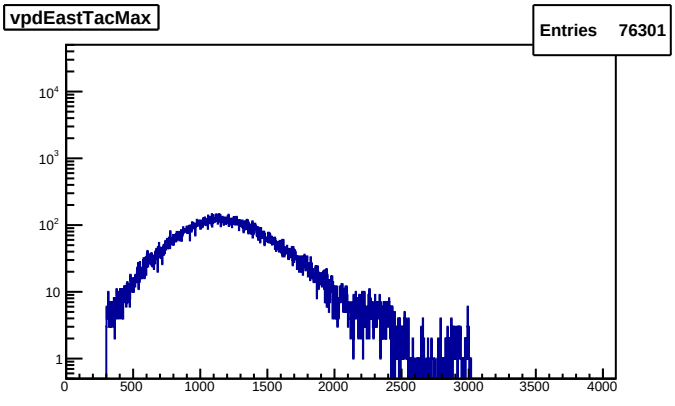

epdWestTac47VsSimu
Entries 0
Data
Simu

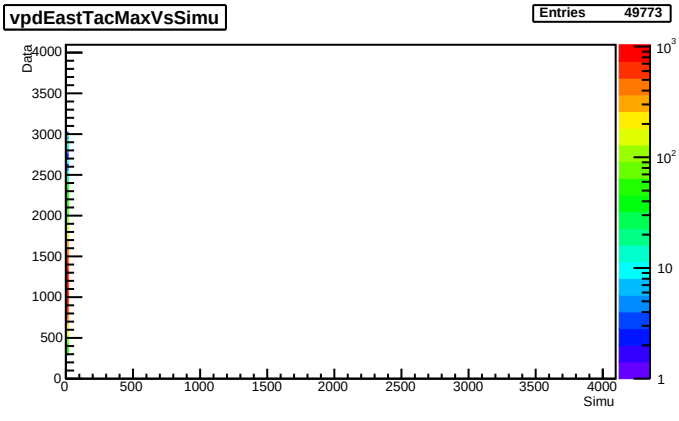

epdWestNHits
Entries 76301

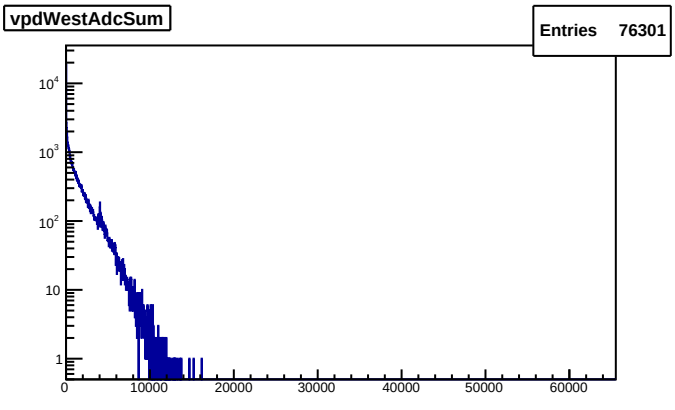

epdWestNHitsVsSimu
Entries 0
Data
Simu

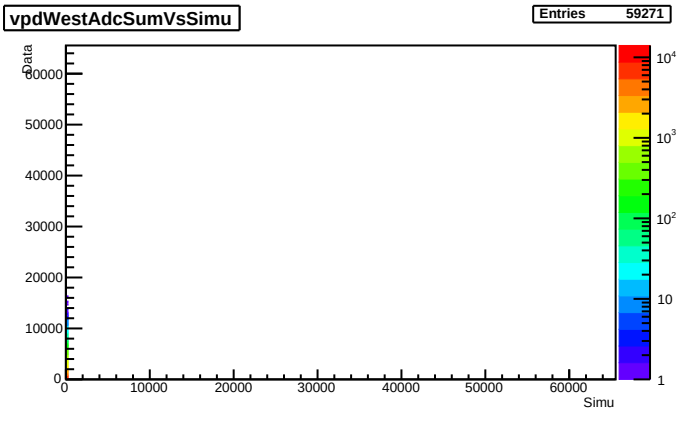

vpdEastAdcSum
Entries 76301

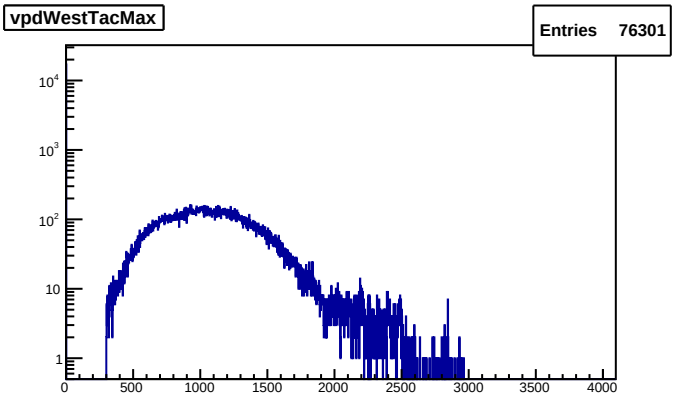

vpdEastAdcSumVsSimu
Entries 49773
Data
Simu

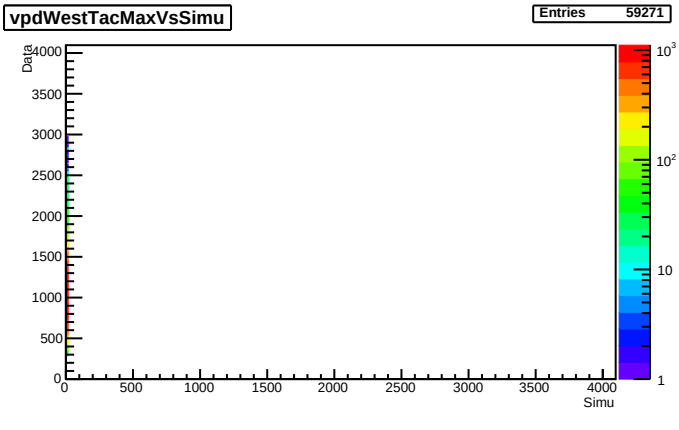

vpdEastTacMax
Entries 76301

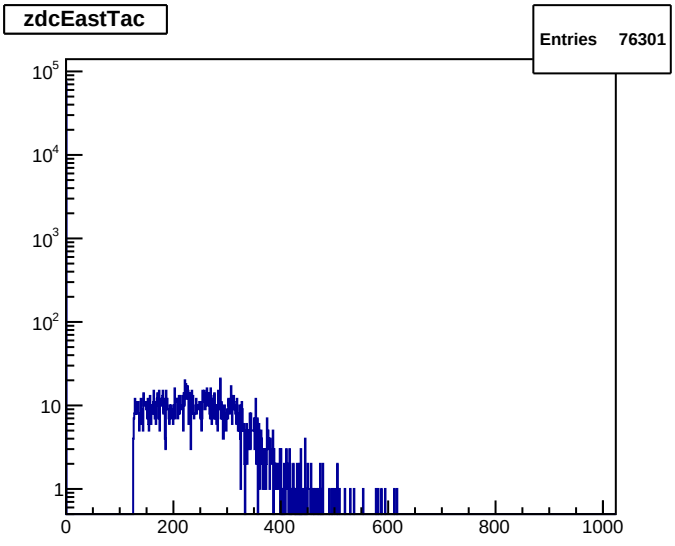

vpdEastTacMaxVsSimu
Entries 49773
Data
Simu

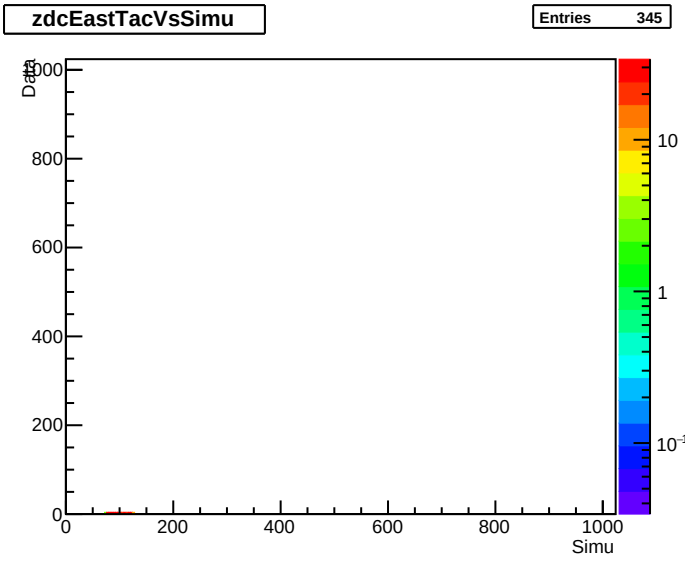

vpdWestAdcSum
Entries 76301

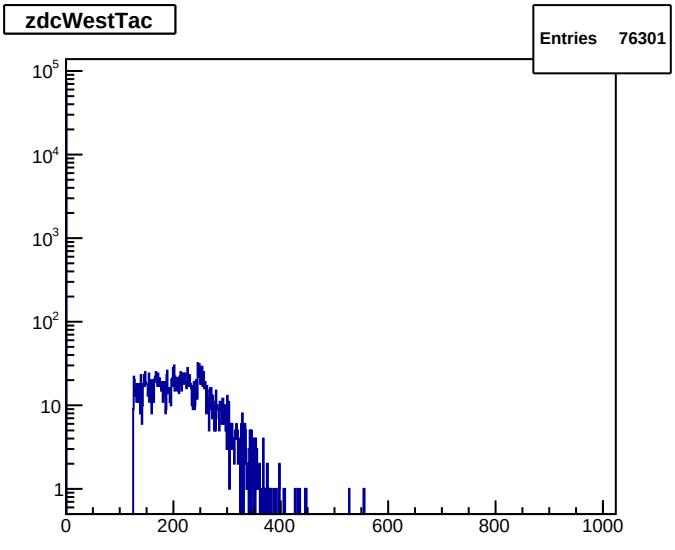

vpdWestAdcSumVsSimu
Entries 59271
Data
Simu

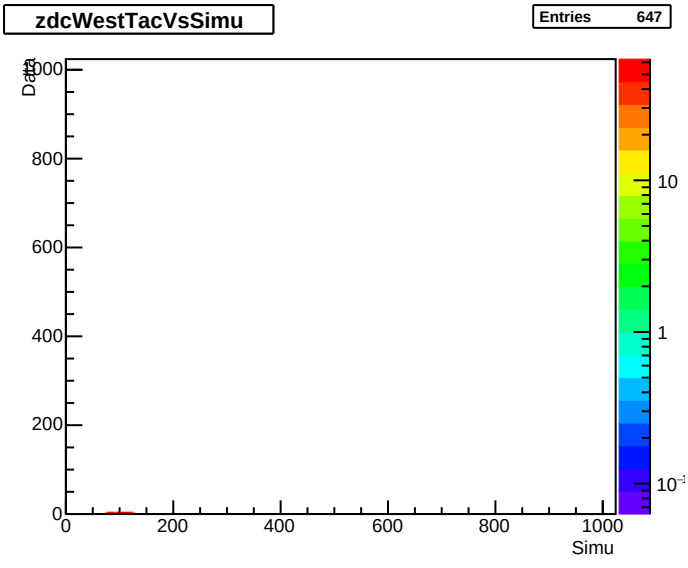

vpdWestTacMax
Entries 76301

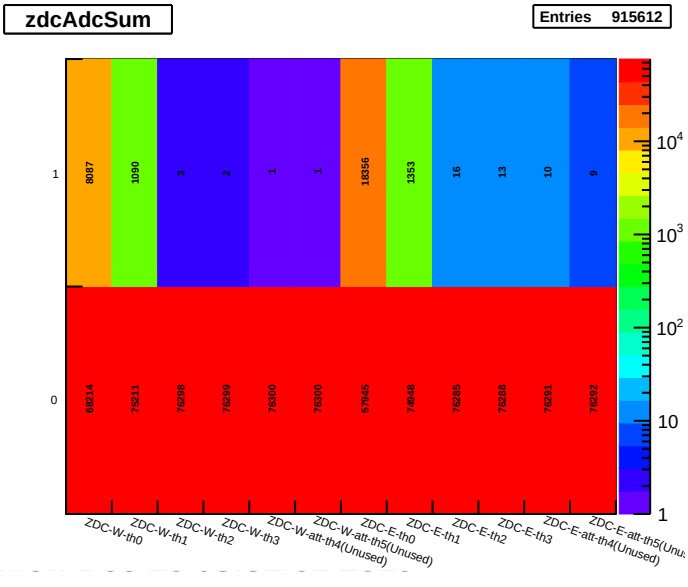

vpdWestTacMaxVsSimu
Entries 59271
Data
Simu

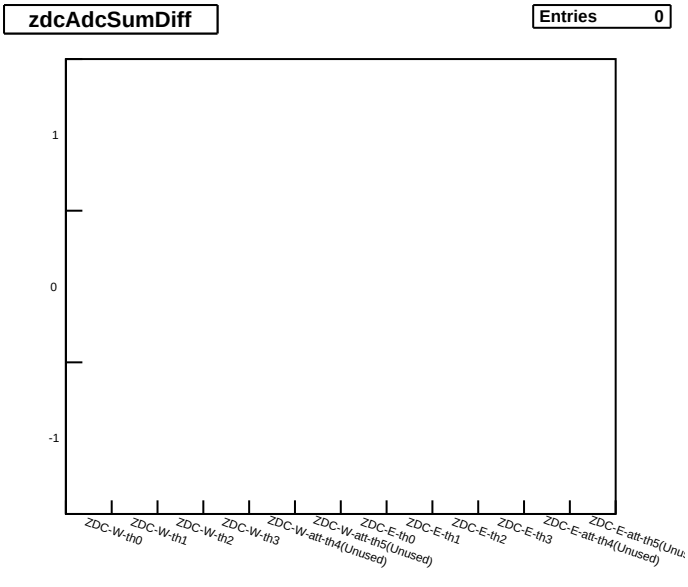

zdcEastTac
Entries 76301

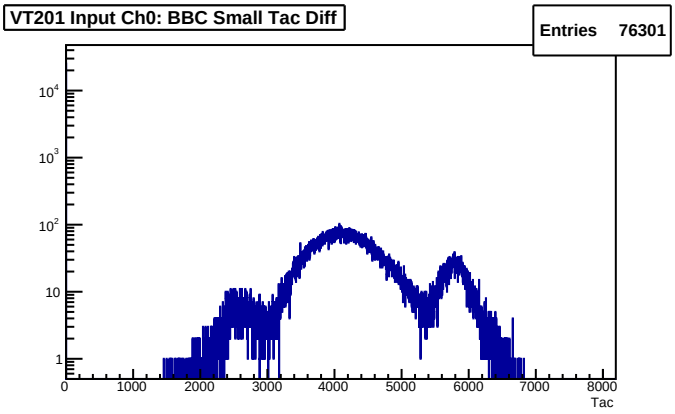

zdcEastTacVsSimu
Entries 345
Data
Simu

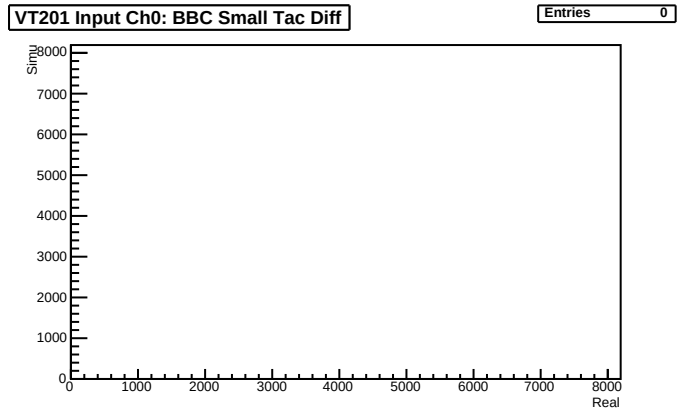

zdcWestTac
Entries 76301

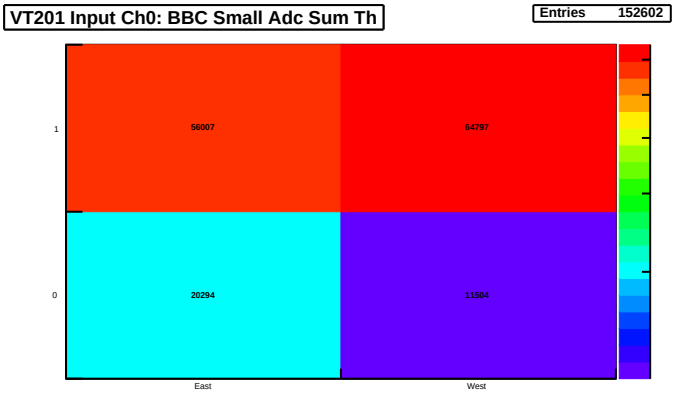

zdcWestTacVsSimu
Entries 647
Data
Simu

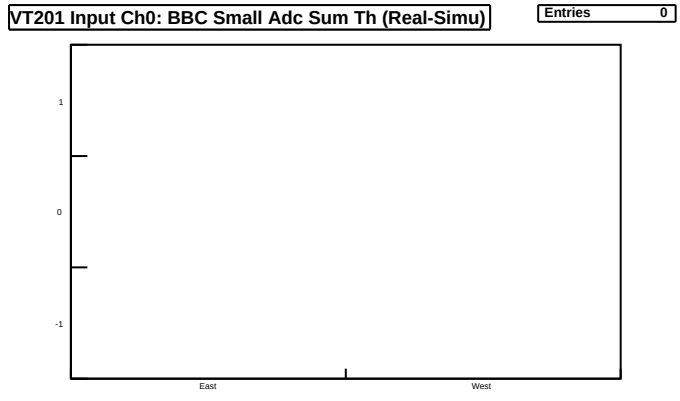

zdcAdcSum
Entries 915612
8087
1090
3
2
1
1
18356
1353
16
13
10
9
68214
75211
76298
76299
76300
76300
57945
74948
76285
76288
76291
76292
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

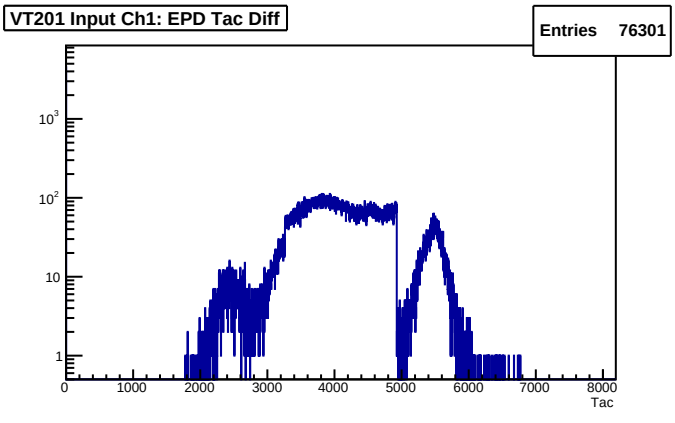

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

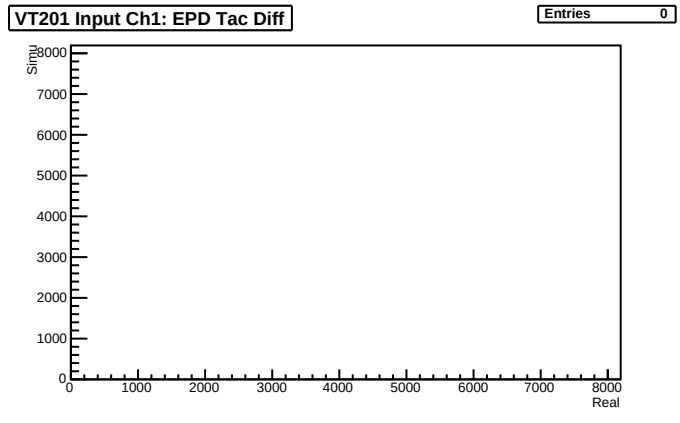

VT201 Input Ch0: BBC Small Tac Diff
Entries 76301
Tac

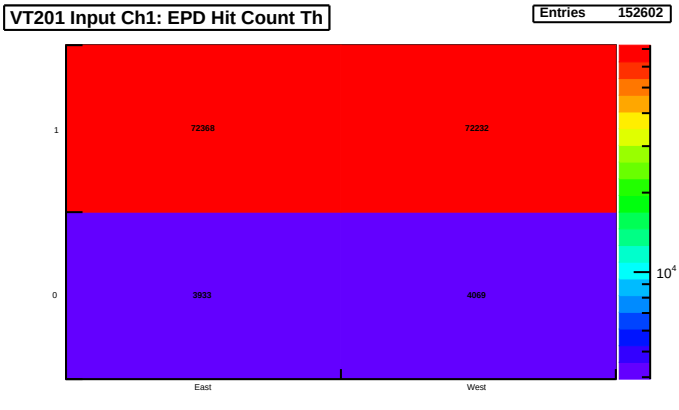

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

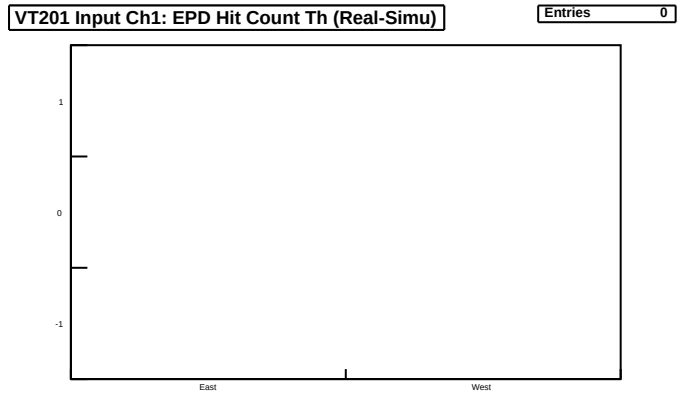

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 152602
56007
64797
20294
11504
East
West

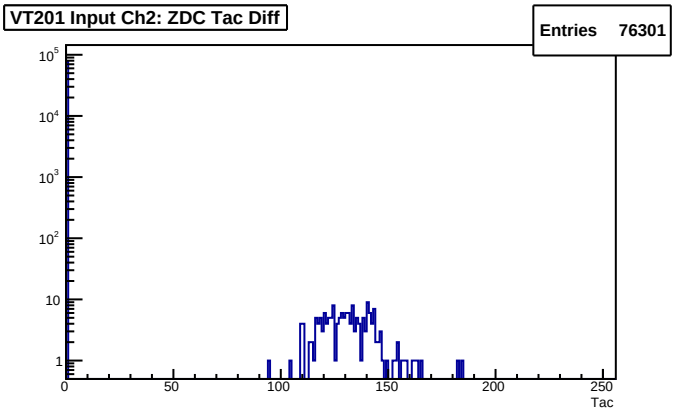

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

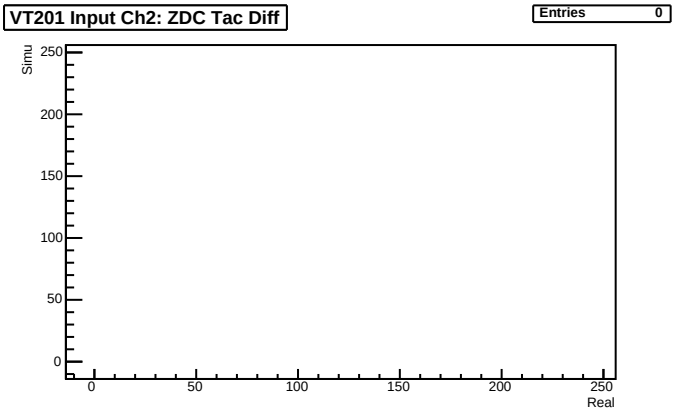

VT201 Input Ch1: EPD Tac Diff
Entries 76301
Tac

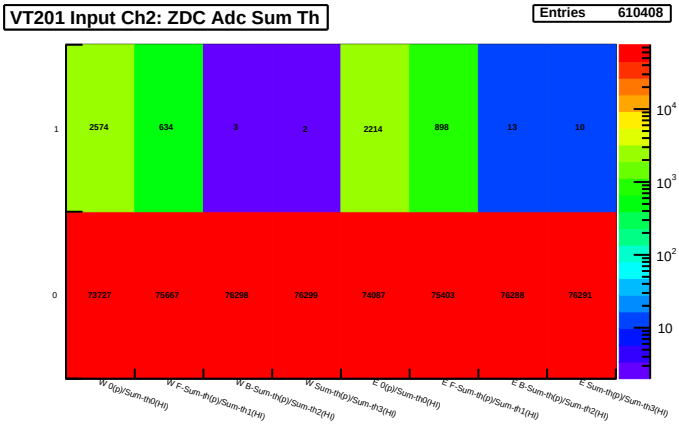

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

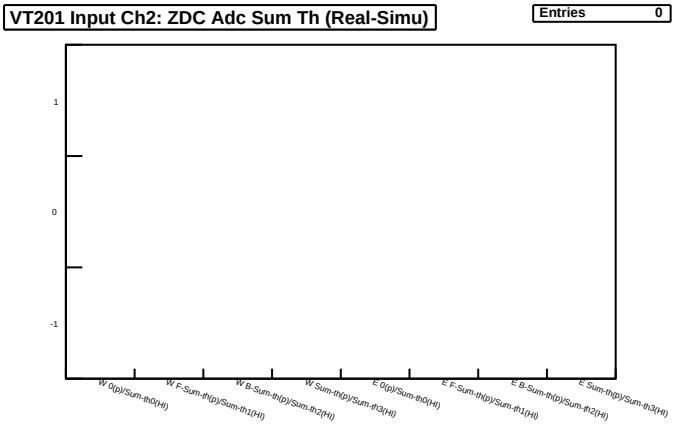

VT201 Input Ch1: EPD Hit Count Th
Entries 152602
72368
72232
3933
4069
East
West

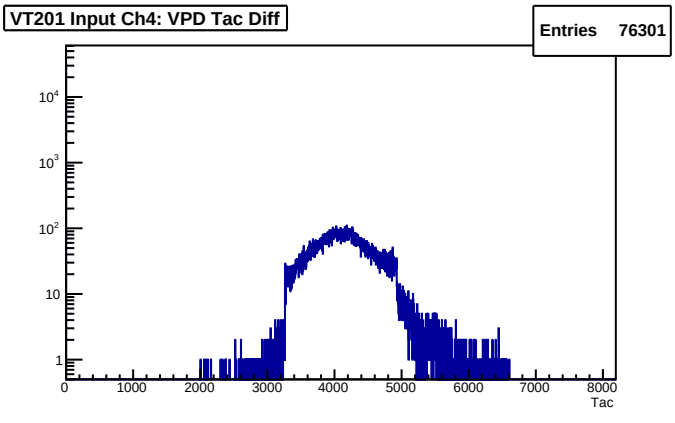

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

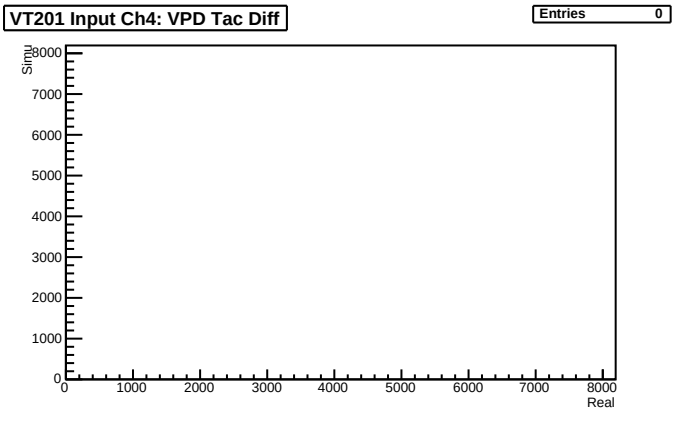

VT201 Input Ch2: ZDC Tac Diff
Entries 76301
Tac

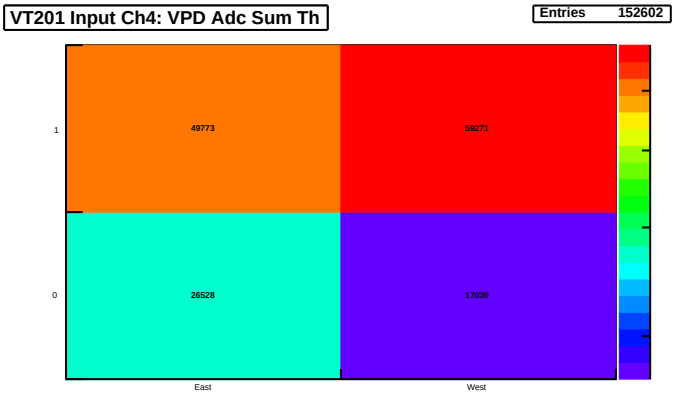

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

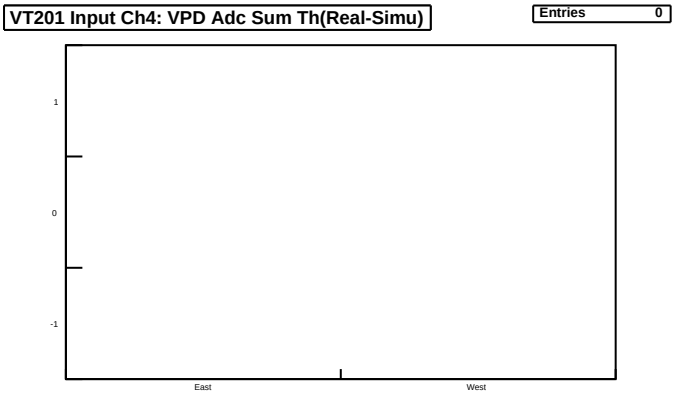

VT201 Input Ch2: ZDC Adc Sum Th
Entries 610408
2574
634
3
2
2214
898
13
10
73727
75667
76298
76299
74087
75403
76288
76291
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

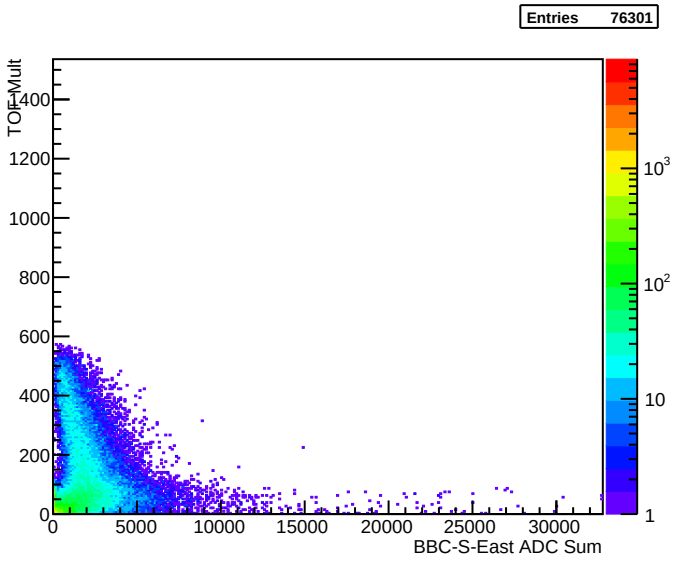

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

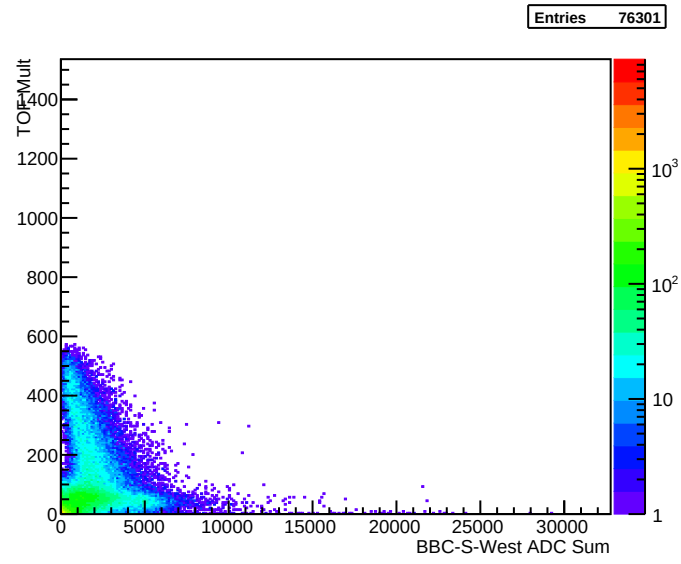

VT201 Input Ch4: VPD Tac Diff
Entries 76301
Tac

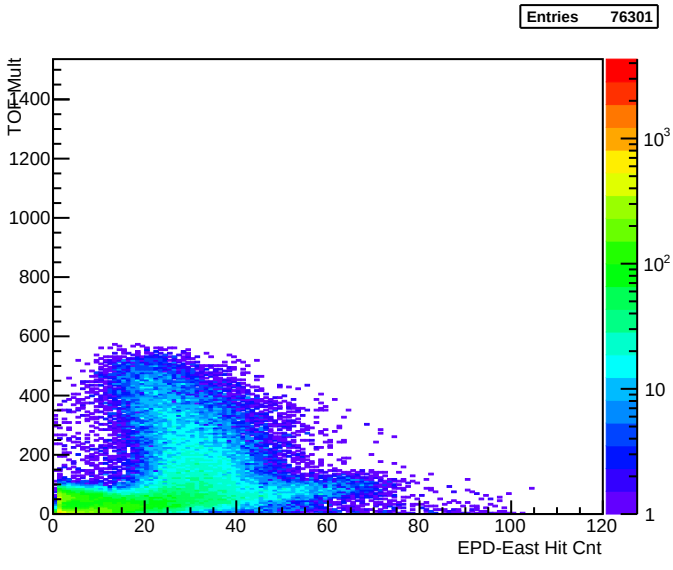

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

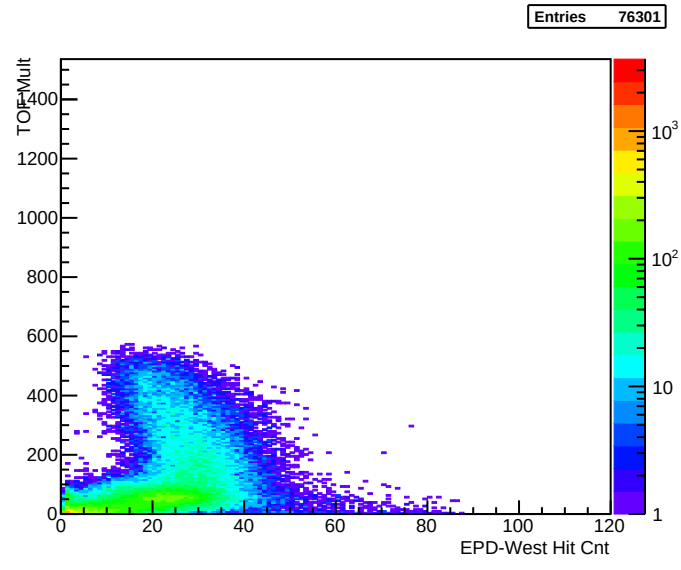

VT201 Input Ch4: VPD Adc Sum Th
Entries 152602
49773
59271
26528
17030
East
West

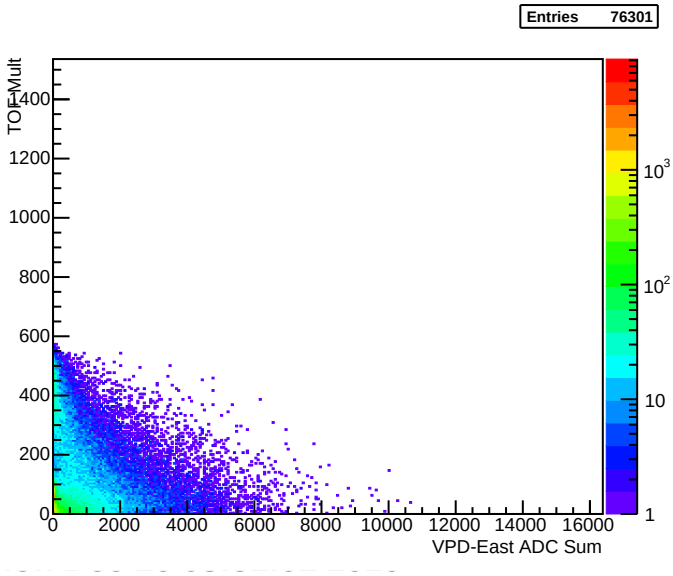

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

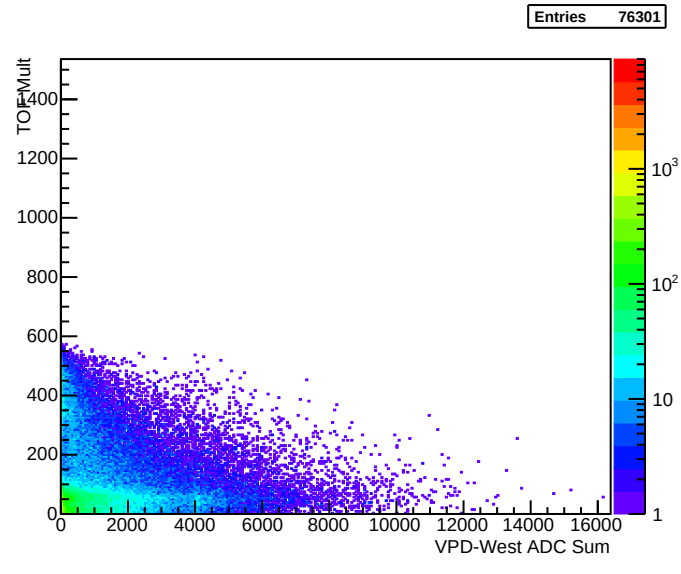

Entries 76301
TOF-Mult
BBC-S-East ADC Sum

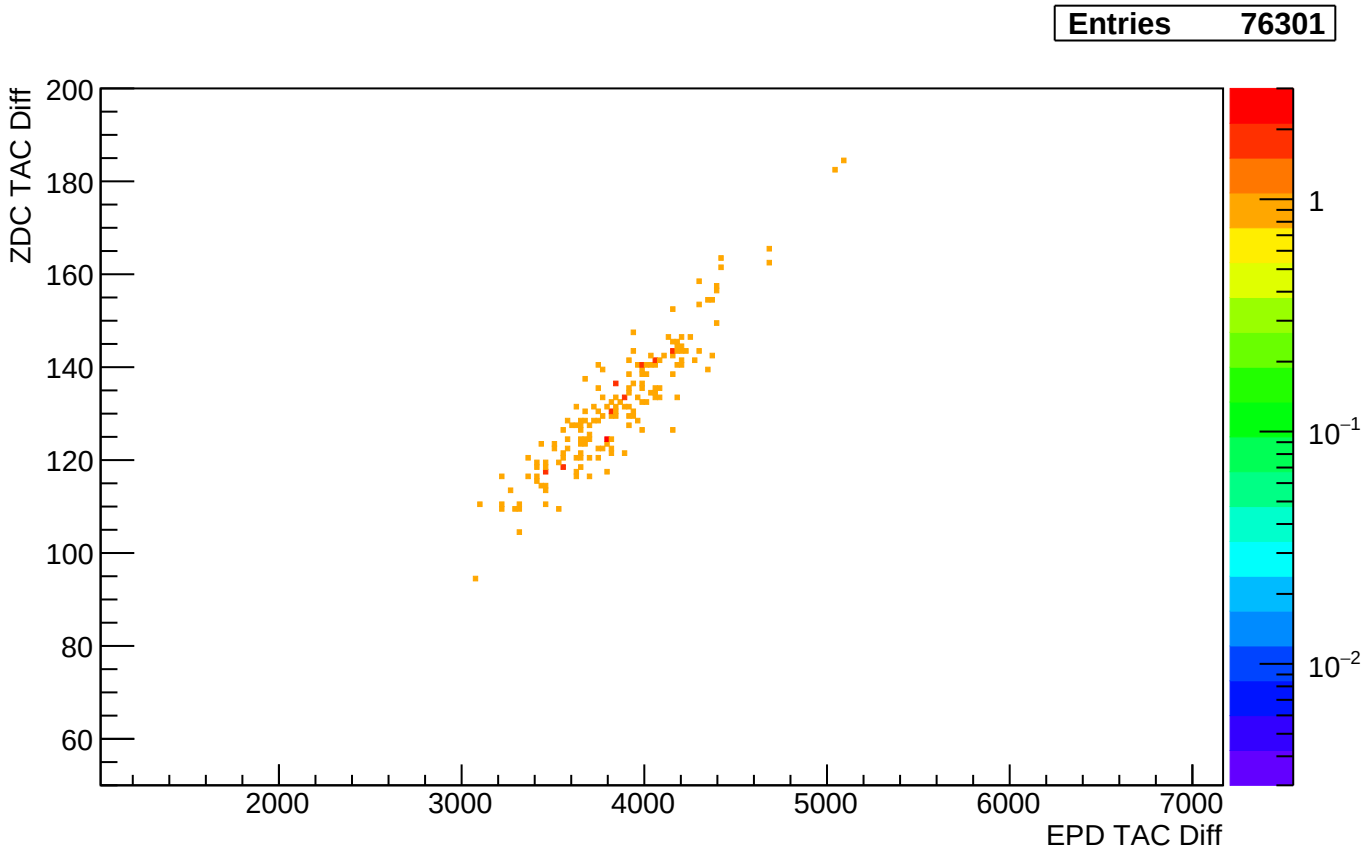

Entries 76301
TOF-Mult
BBC-S-West ADC Sum

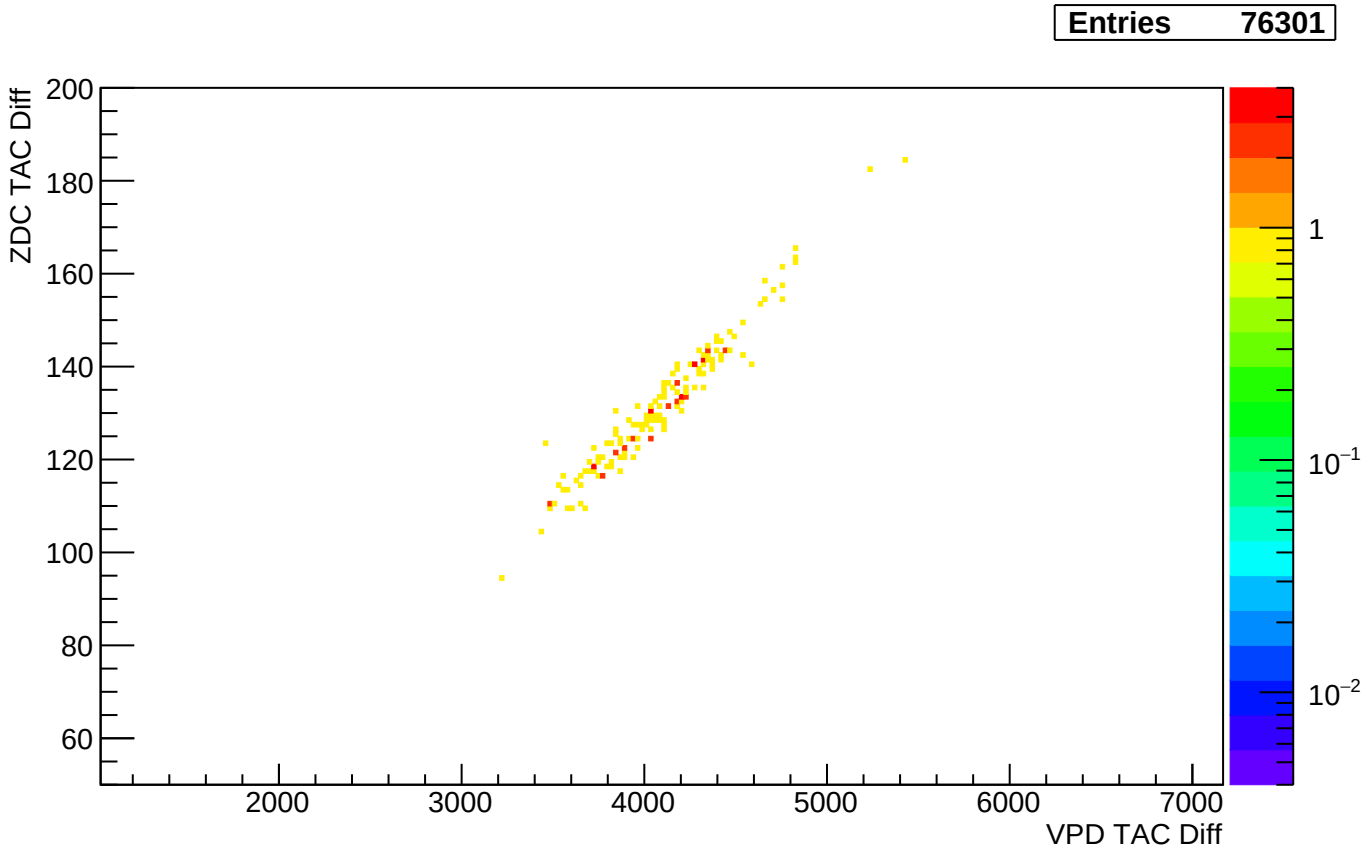

Entries 76301
TOF-Mult
EPD-East Hit Cnt

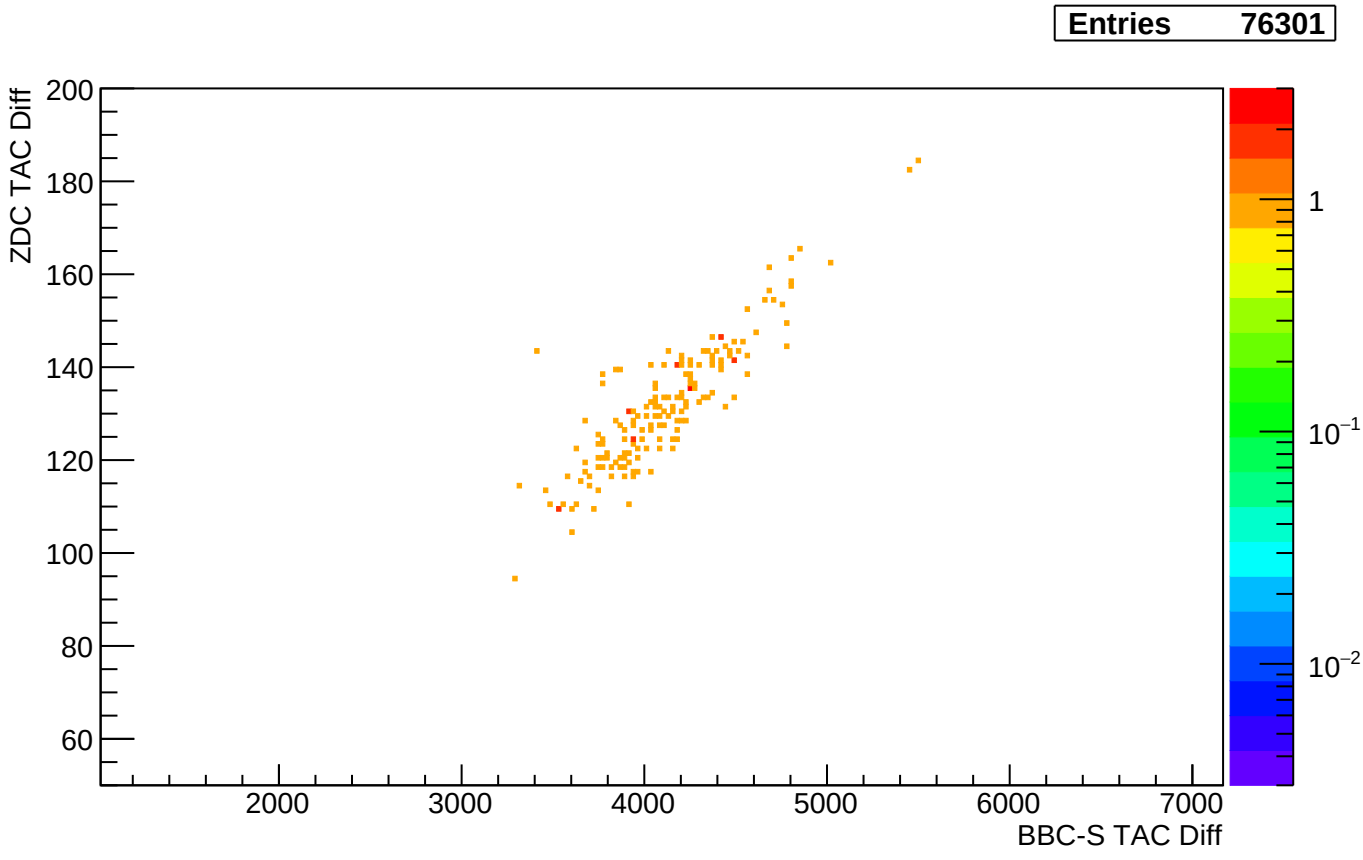

Entries 76301
TOF-Mult
EPD-West Hit Cnt

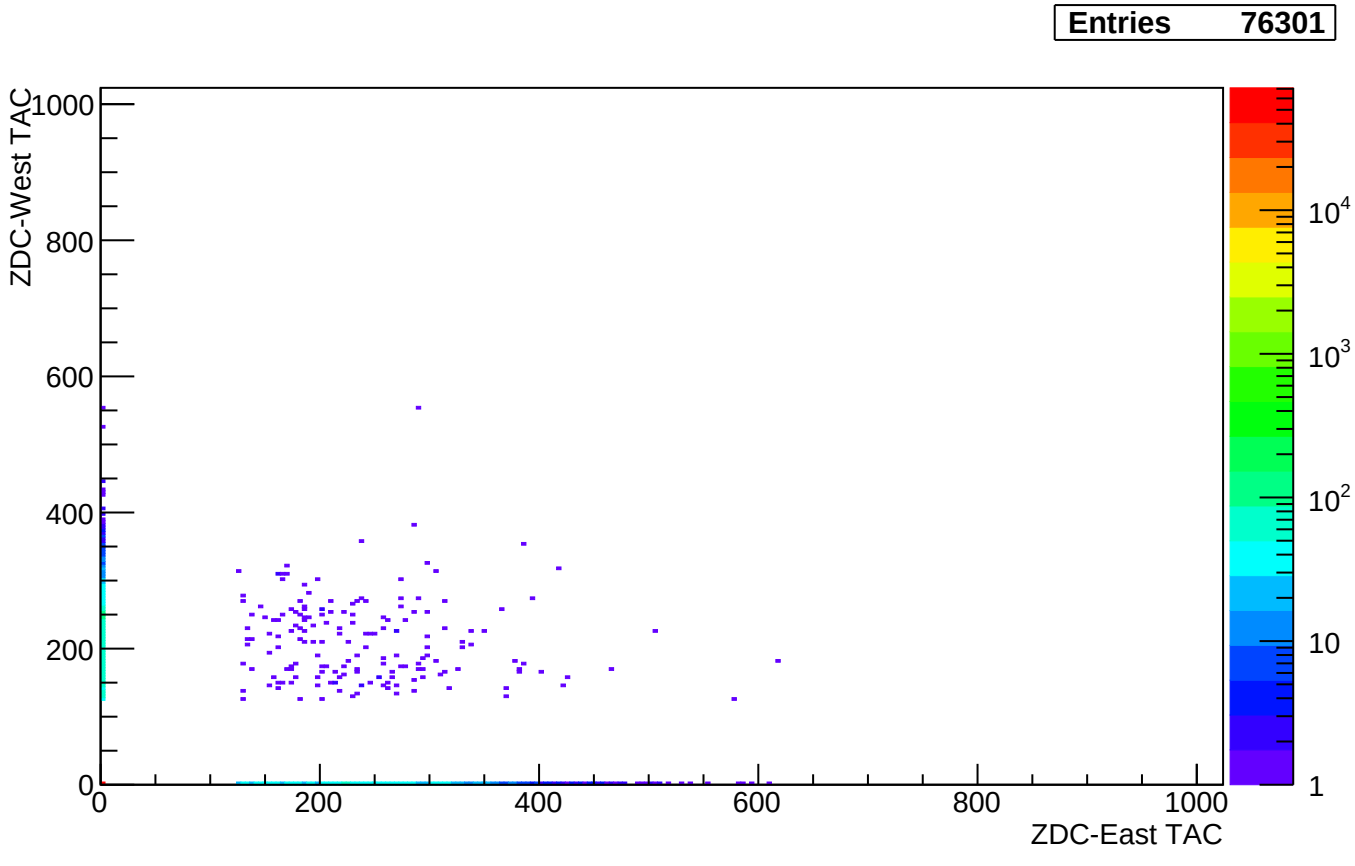

Entries 76301
TOF-Mult
VPD-East ADC Sum

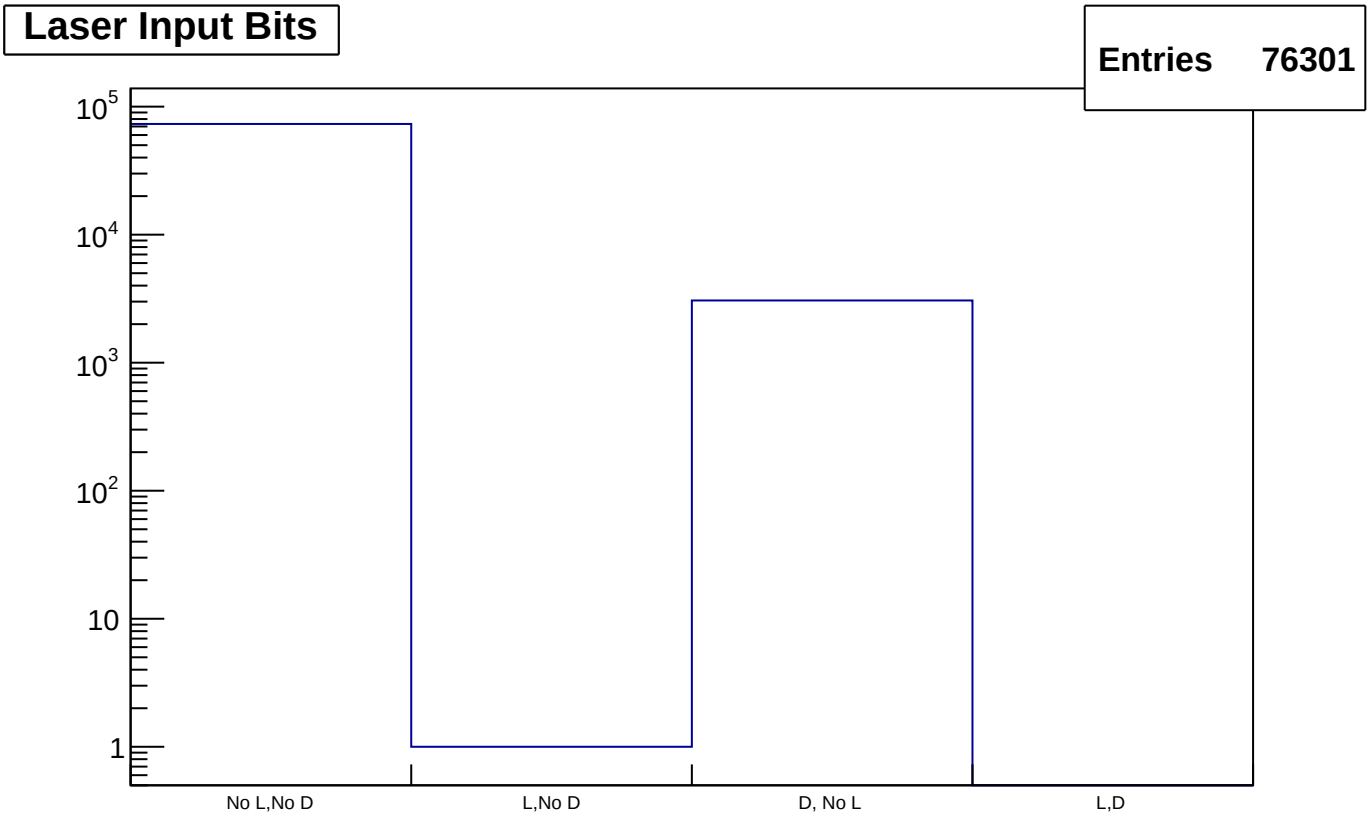

Entries 76301
TOF-Mult
VPD-West ADC Sum

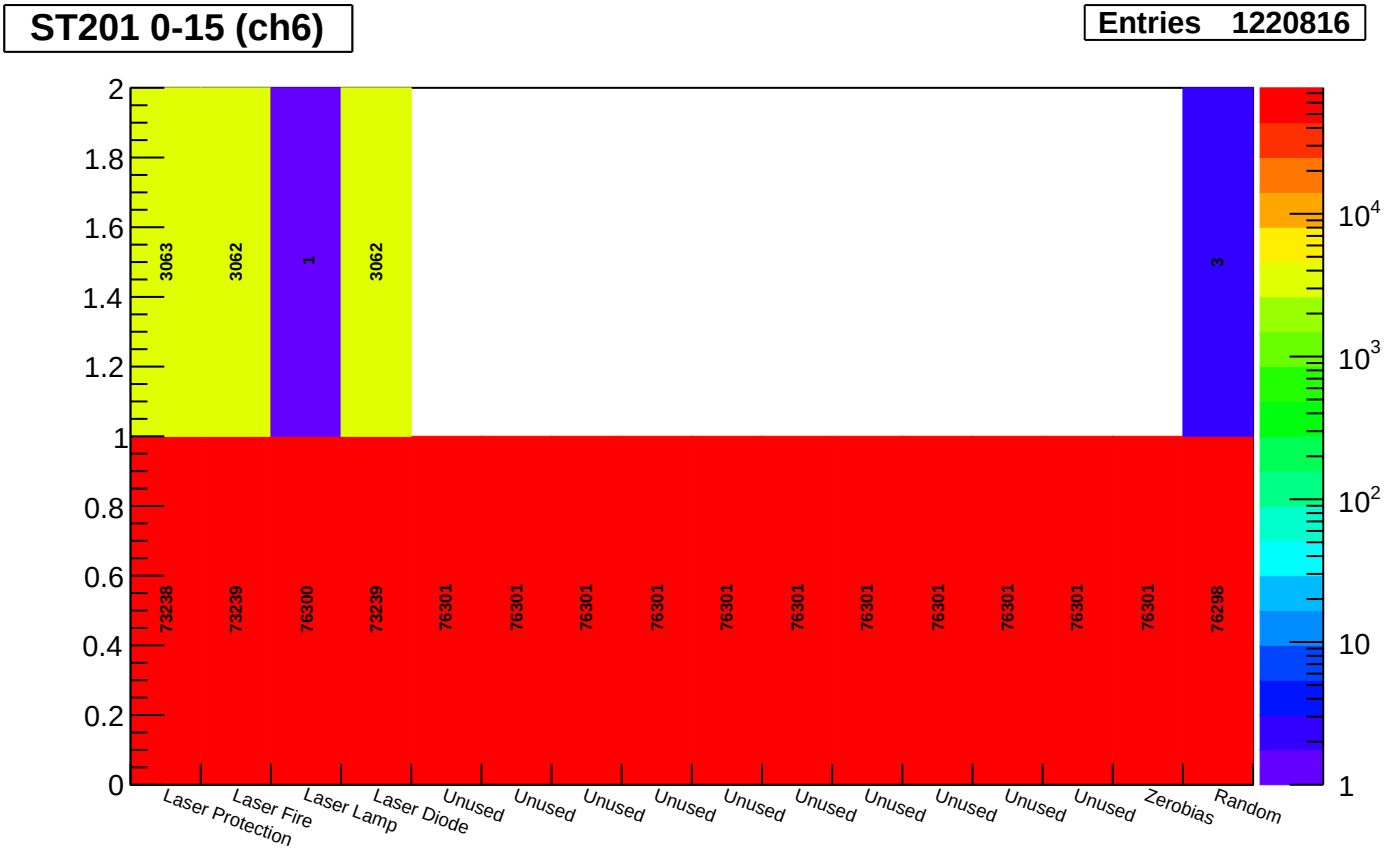

Entries 76301
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

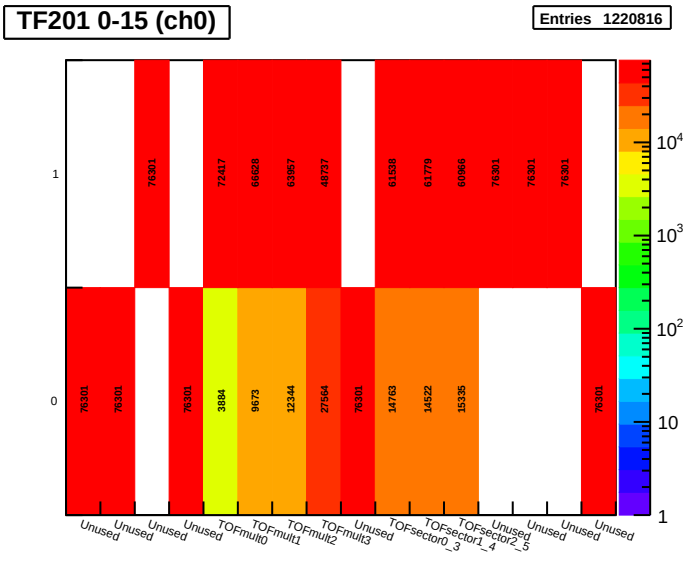

Entries 76301
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

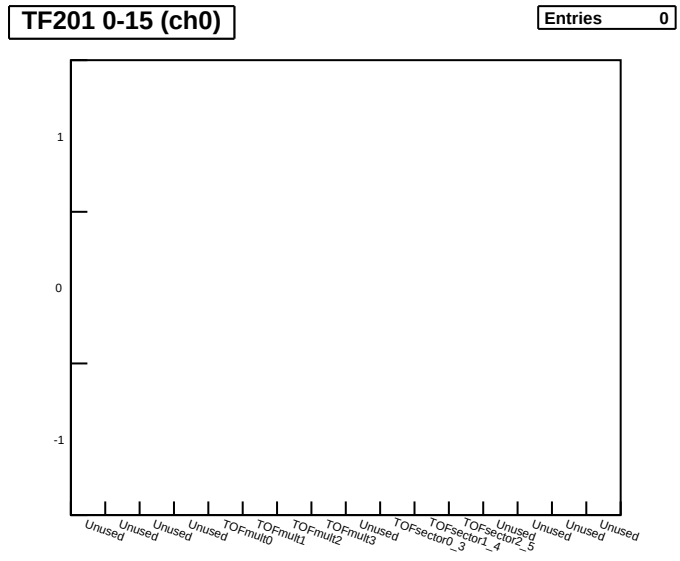

Entries 76301
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

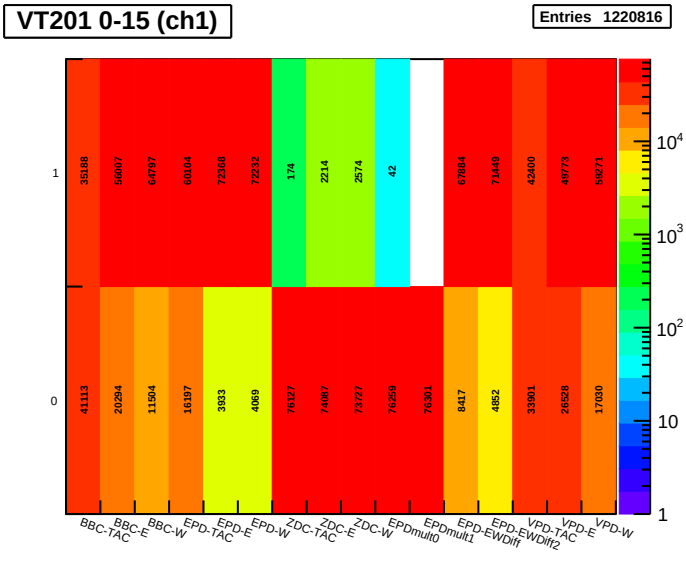

Entries 76301
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

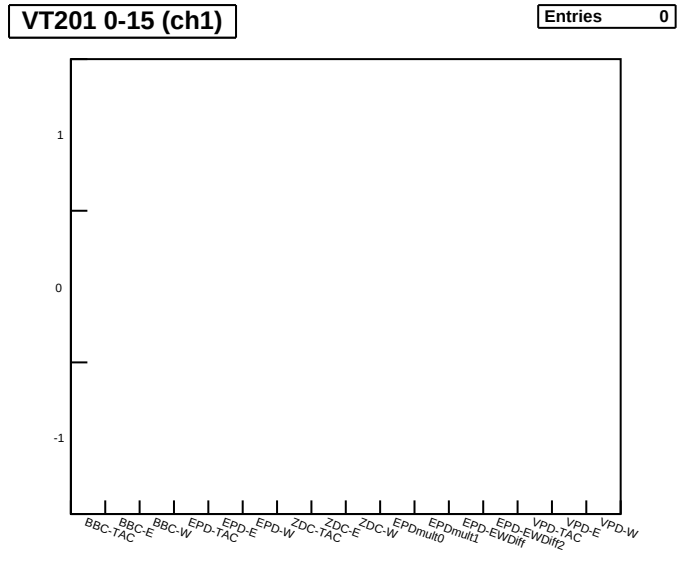

Laser Input Bits
Entries 76301
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

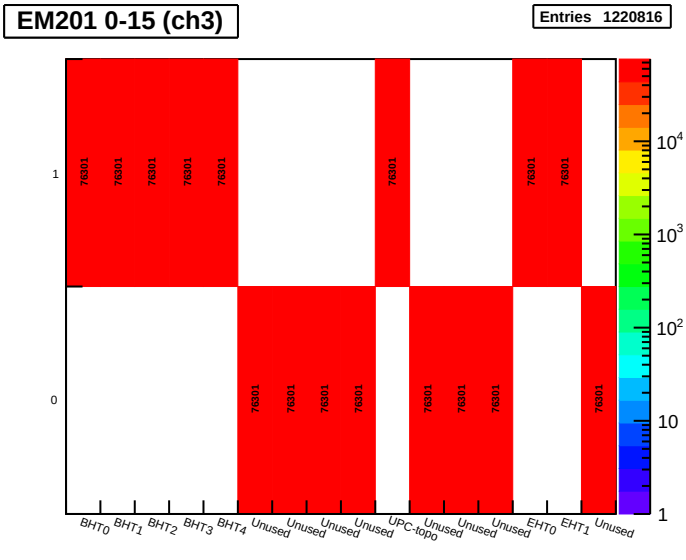

ST201 0-15 (ch6)
Entries 1220816
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3063
3062
1
3062
3
73238
73239
76300
73239
76301
76301
76301
76301
76301
76301
76301
76301
76301
76301
76298
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

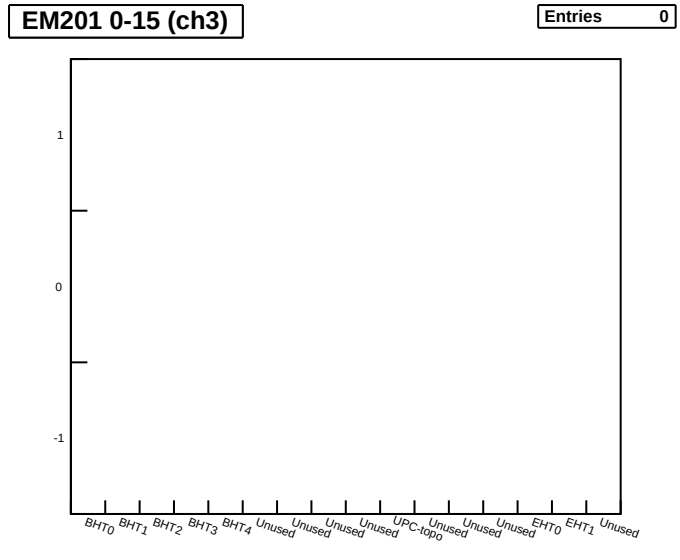

TF201 0-15 (ch0)
Entries 1220816
1
0
76301 76301 76301 76301 72417 66628 63957 48737 61538 61779 60966 76301 76301 76301
76301 76301 76301 3984 9673 12344 27564 76301 14763 14522 15335 76301
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 1220816
1
0
35188 56007 64797 60104 72368 72232 174 2214 2574 42 67884 71449 42400 49773 58271
41113 20294 11504 16197 3933 4069 76127 74087 73227 76259 76301 8417 4852 33901 26528 17030
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
10^4
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 1220816
1
0
76301 76301 76301 76301 76301 76301 76301
76301 76301 76301 76301 76301 76301 76301 76301
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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