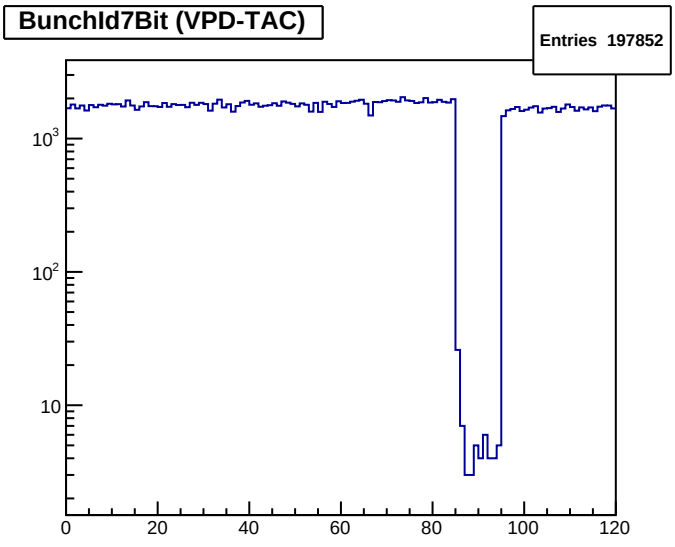
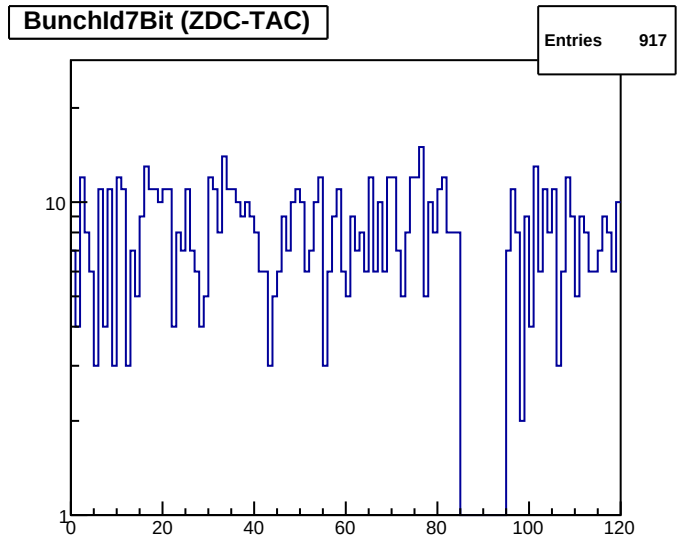
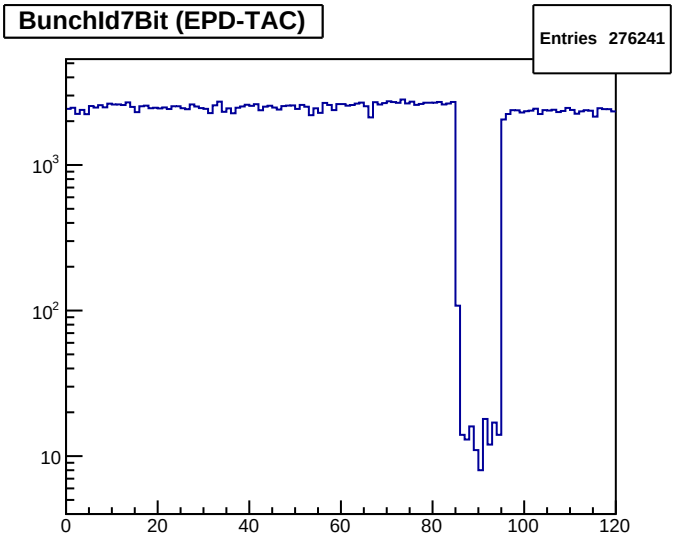
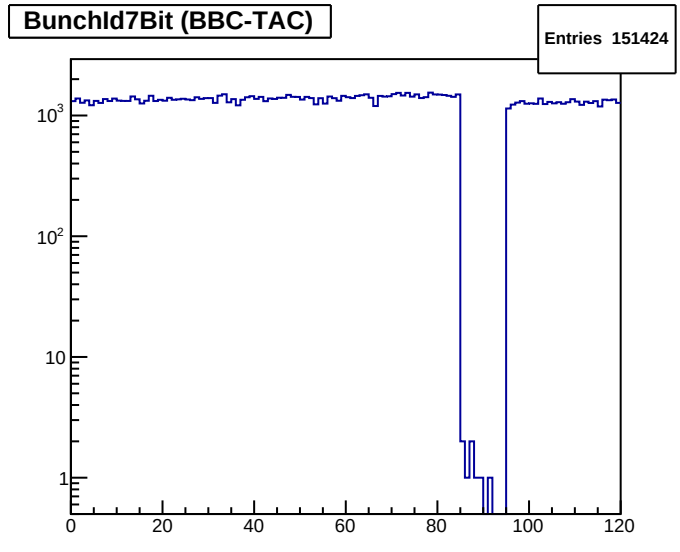
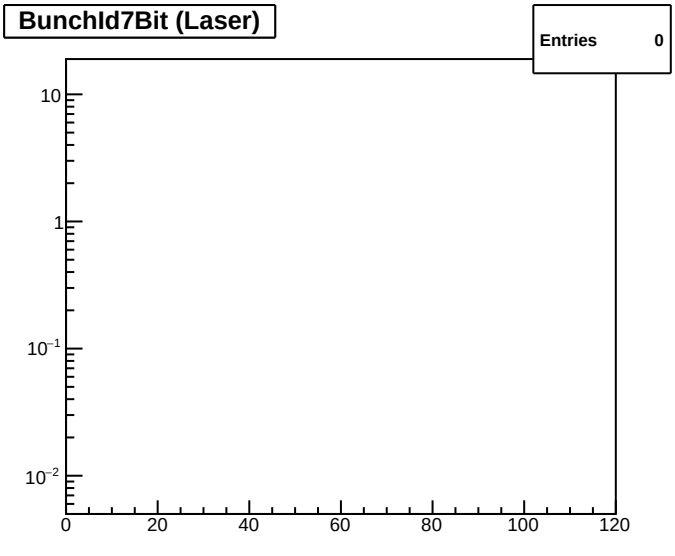
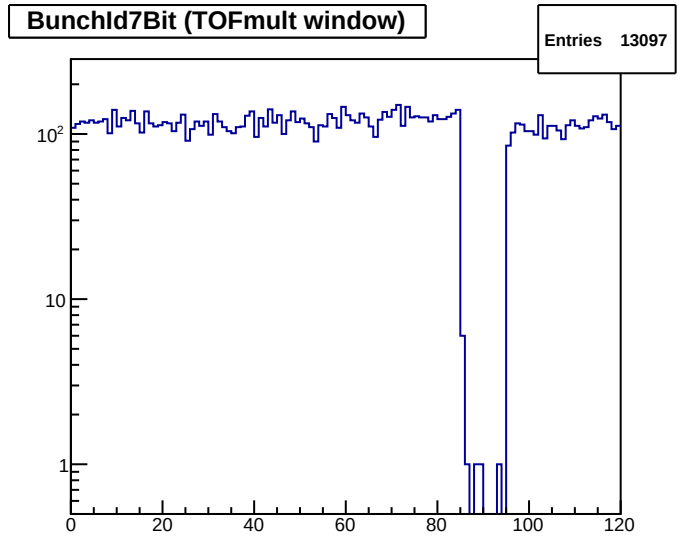

BunchId7Bit (VPD-TAC)
Entries 197852
10^3
10^2
10
0 20 40 60 80 100 120

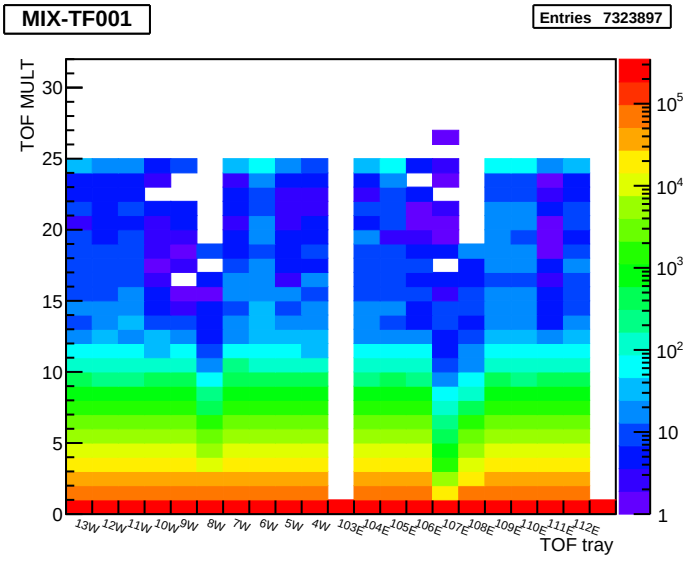

BunchId7Bit (ZDC-TAC)
Entries 917
10
1
0 20 40 60 80 100 120

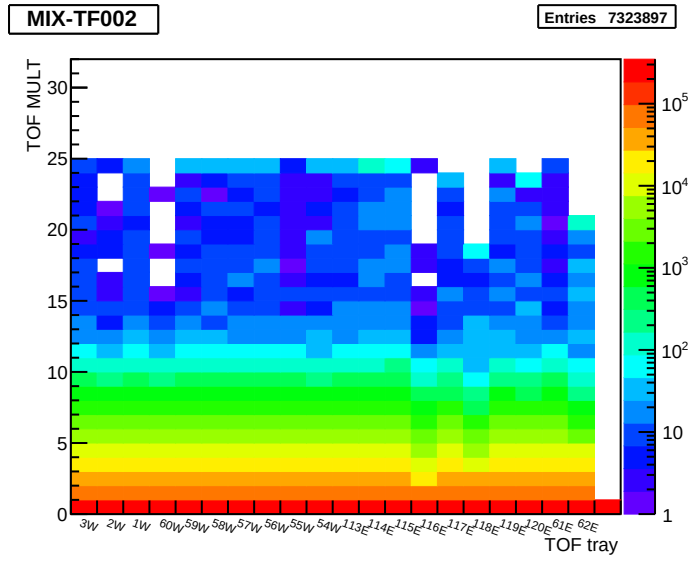

BunchId7Bit (EPD-TAC)
Entries 276241
10^3
10^2
10
0 20 40 60 80 100 120

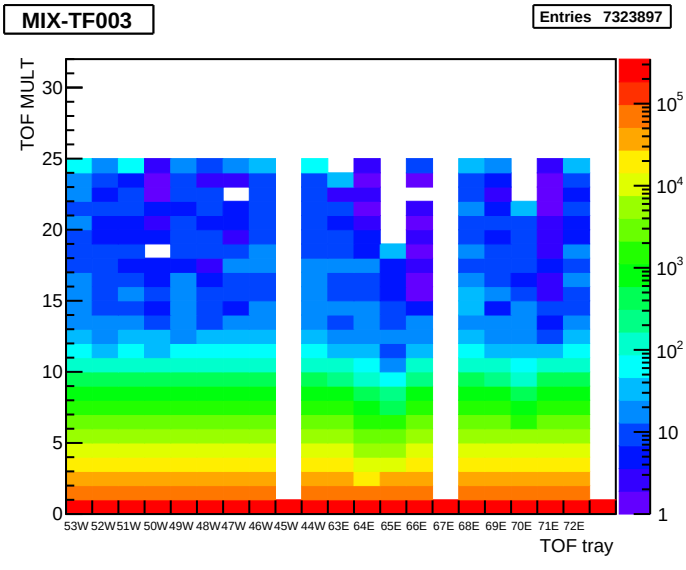

BunchId7Bit (BBC-TAC)
Entries 151424
10^3
10^2
10
1
0 20 40 60 80 100 120

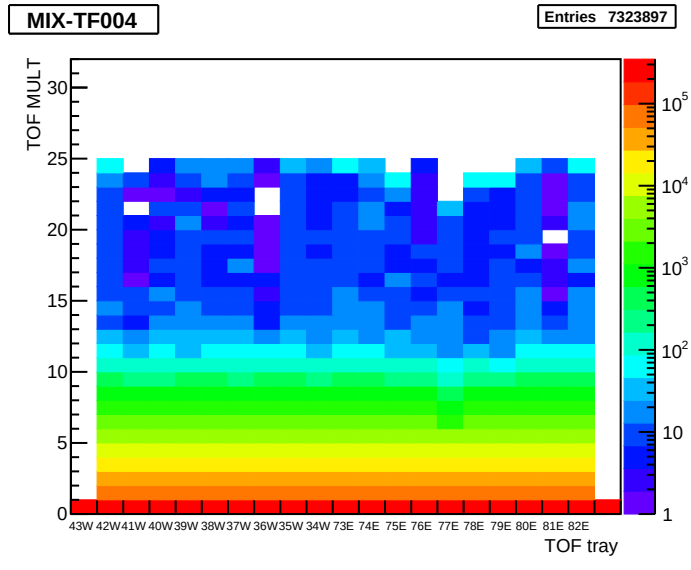

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

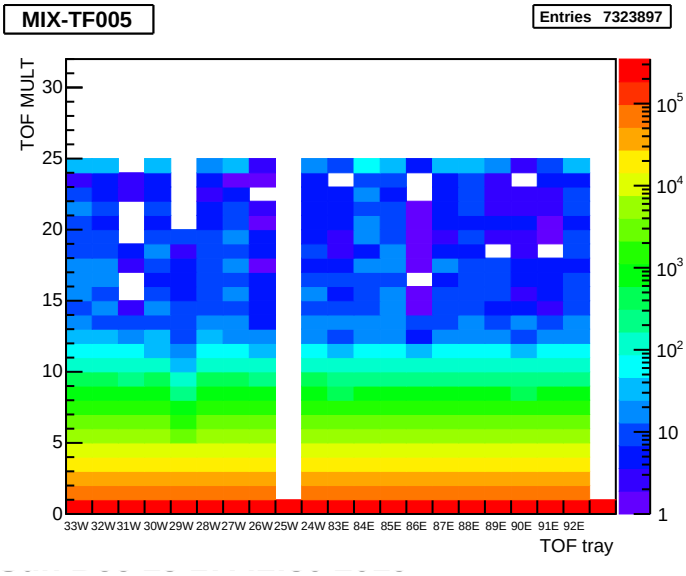

BunchId7Bit (TOFmult window)
Entries 13097
10^2
10
1
0 20 40 60 80 100 120

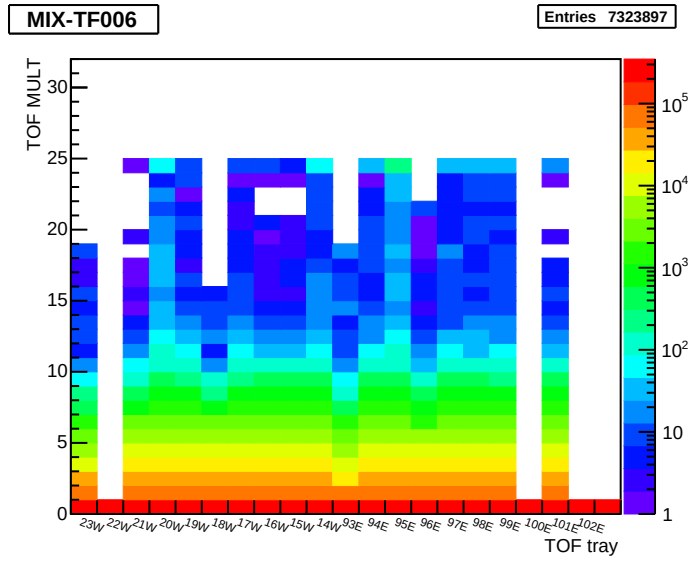

MIX-TF001
Entries 7323897
TOF MULT
TOF tray

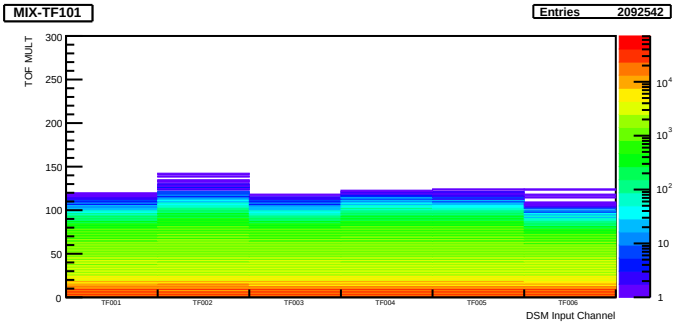

MIX-TF002
Entries 7323897
TOF MULT
TOF tray

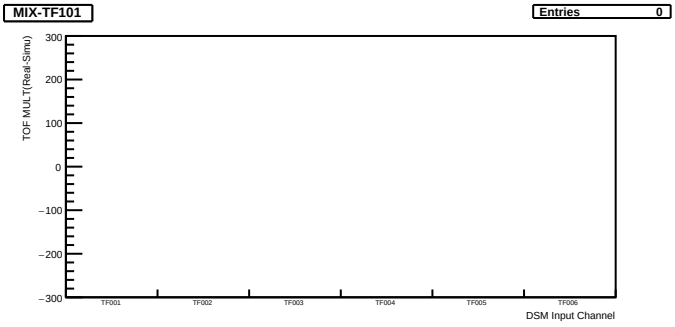

MIX-TF003
Entries 7323897
TOF MULT
TOF tray

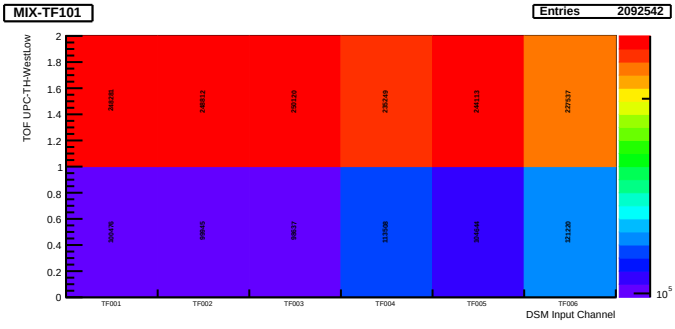

MIX-TF004
Entries 7323897
TOF MULT
TOF tray

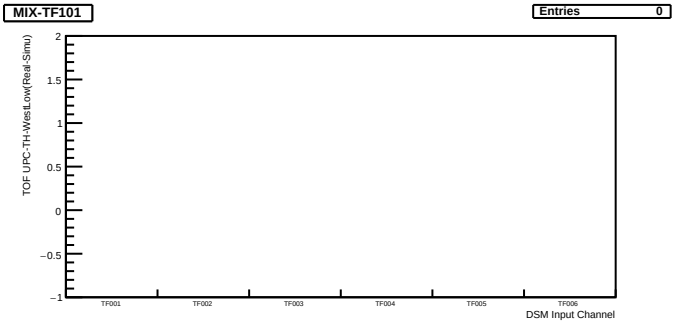

MIX-TF005
Entries 7323897
TOF MULT
TOF tray

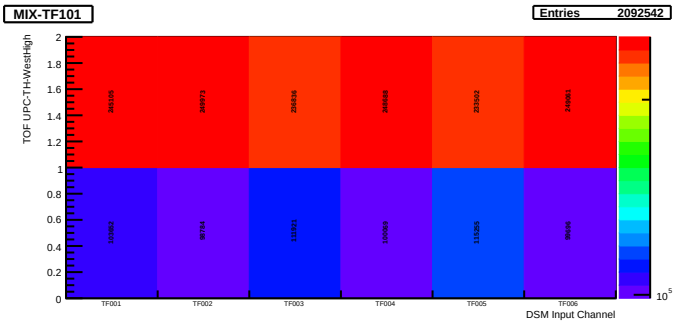

MIX-TF006
Entries 7323897
TOF MULT
TOF tray

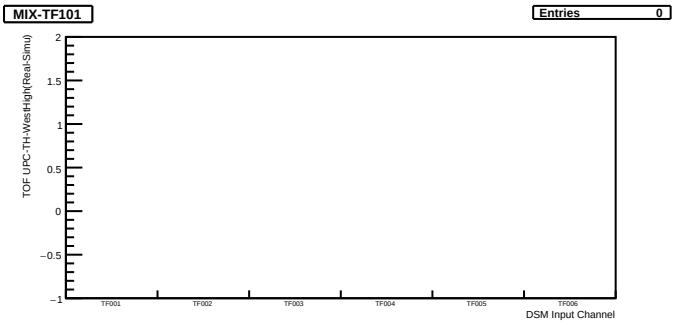

MIX-TF101
Entries 2092542
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

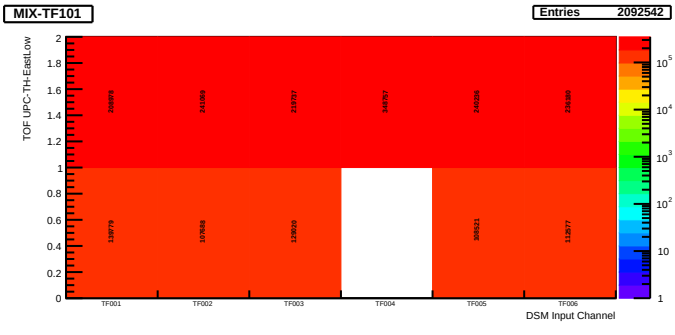

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

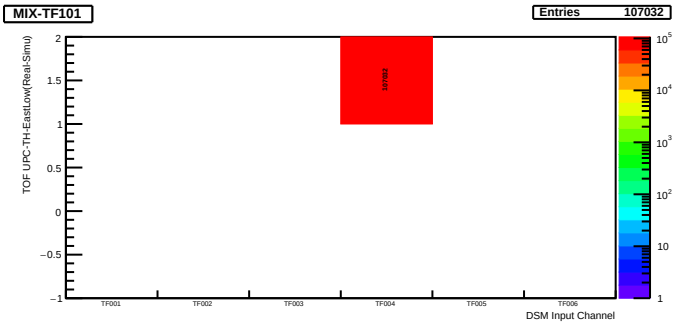

MIX-TF101
Entries 2092542
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

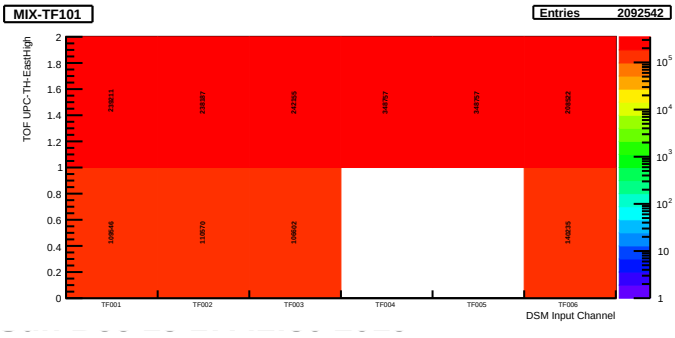

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

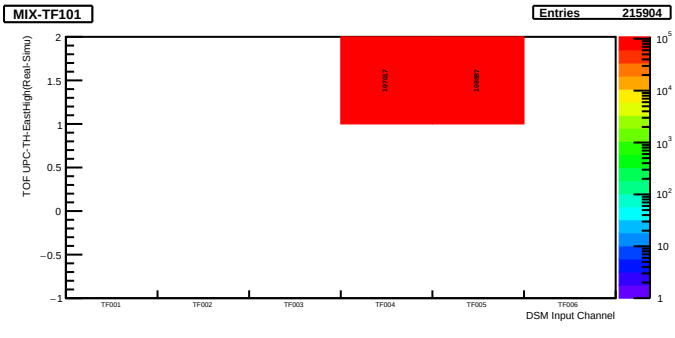

MIX-TF101
Entries 2092542
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

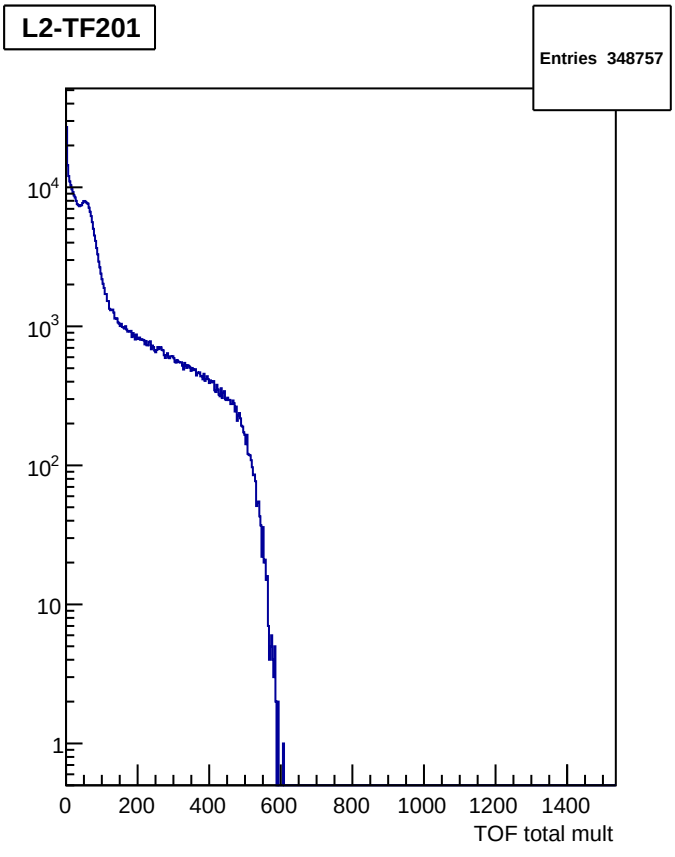

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

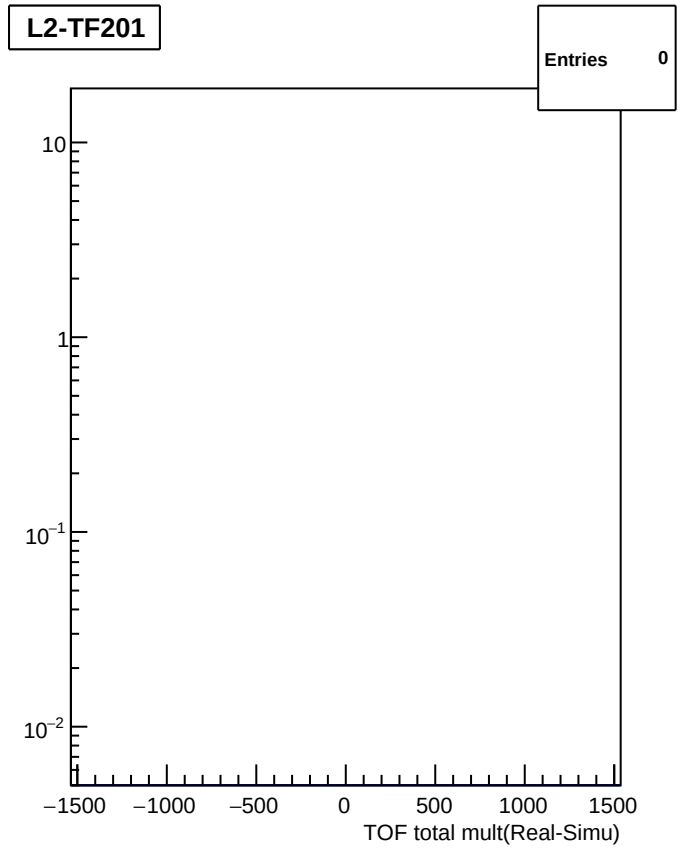

MIX-TF101
Entries 2092542
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

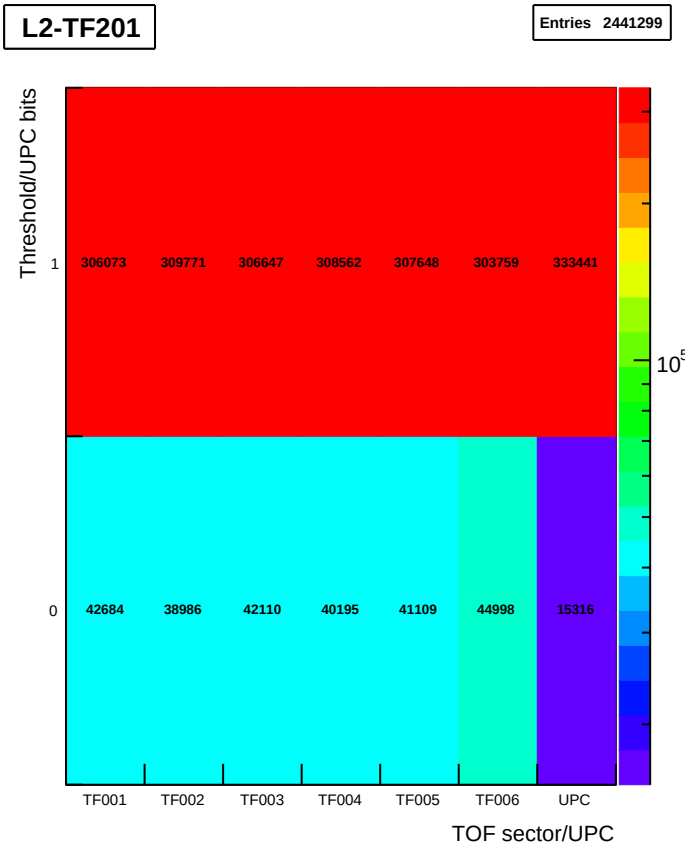

MIX-TF101
Entries 107032
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

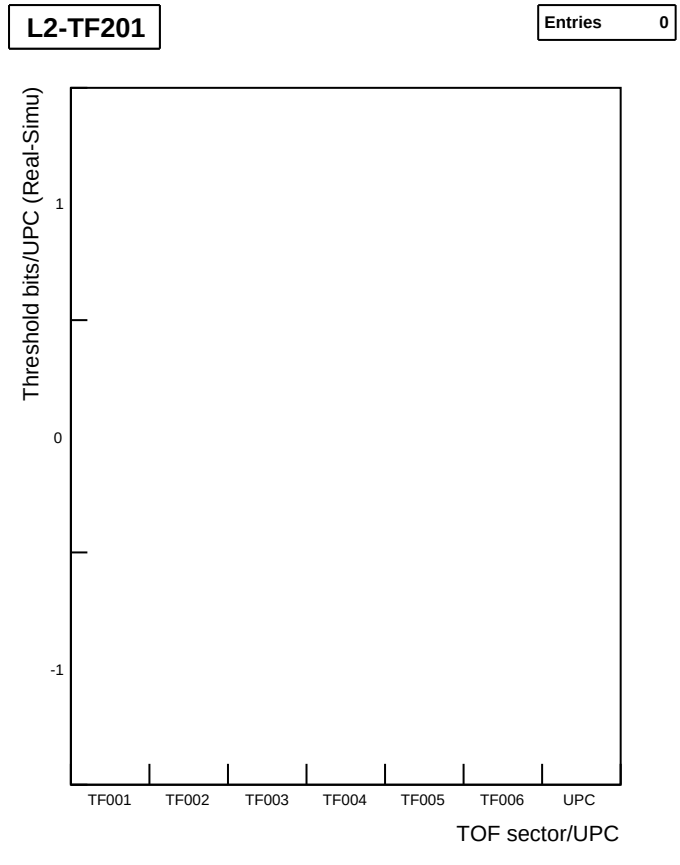

MIX-TF101
Entries 2092542
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

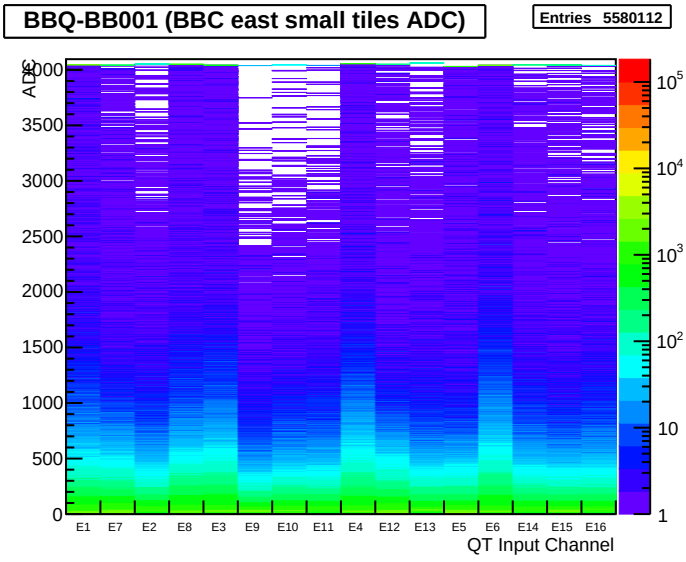

MIX-TF101
Entries 215904
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

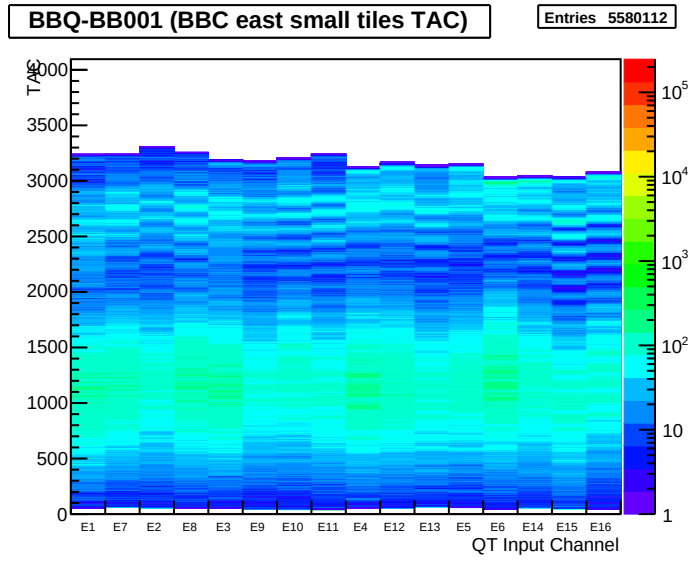

L2-TF201
Entries 348757
TOF total mult

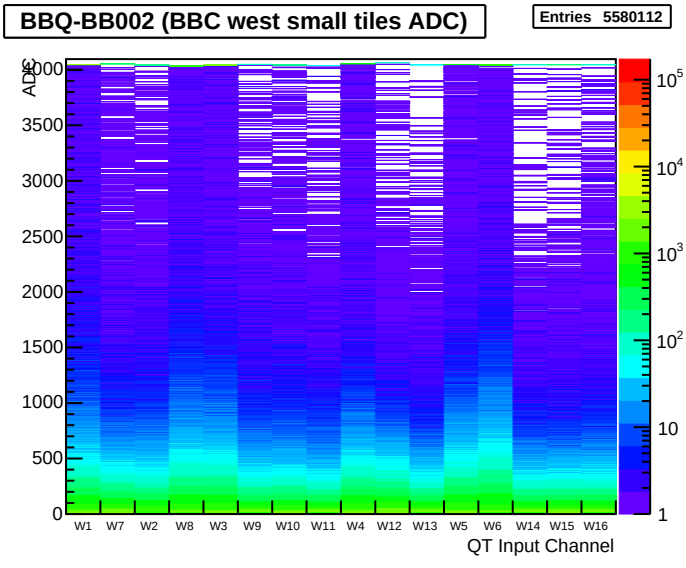

L2-TF201
Entries 0
TOF total mult(Real-Simu)

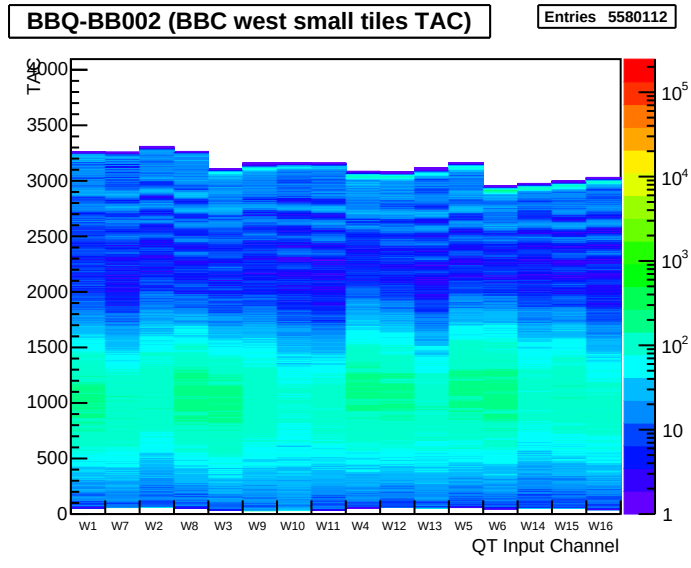

L2-TF201
Entries 2441299
Threshold/UPC bits
306073
309771
306647
308562
307648
303759
333441
42684
38986
42110
40195
41109
44998
15316
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

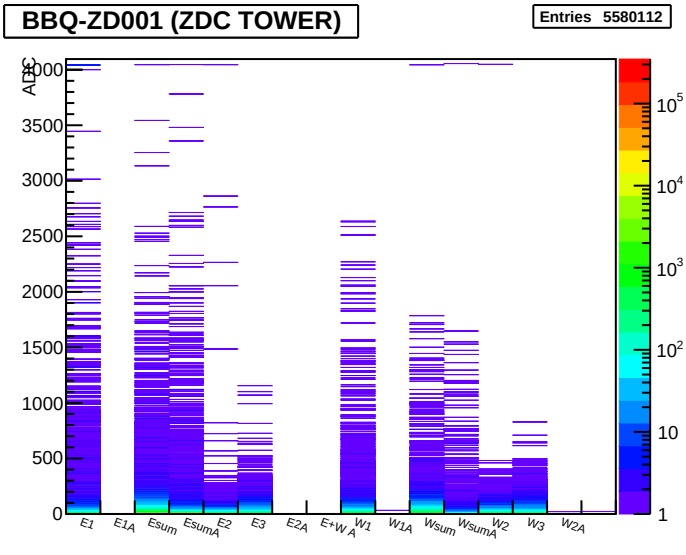

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

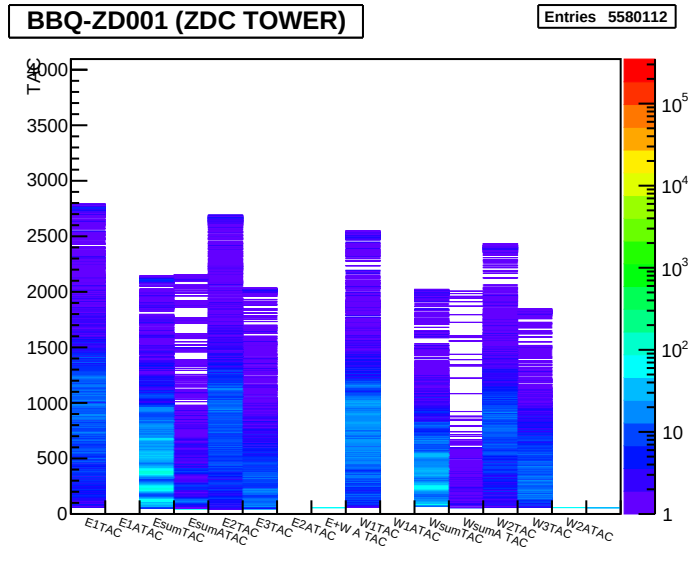

BBQ-BB001 (BBC east small tiles ADC)
Entries 5580112
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

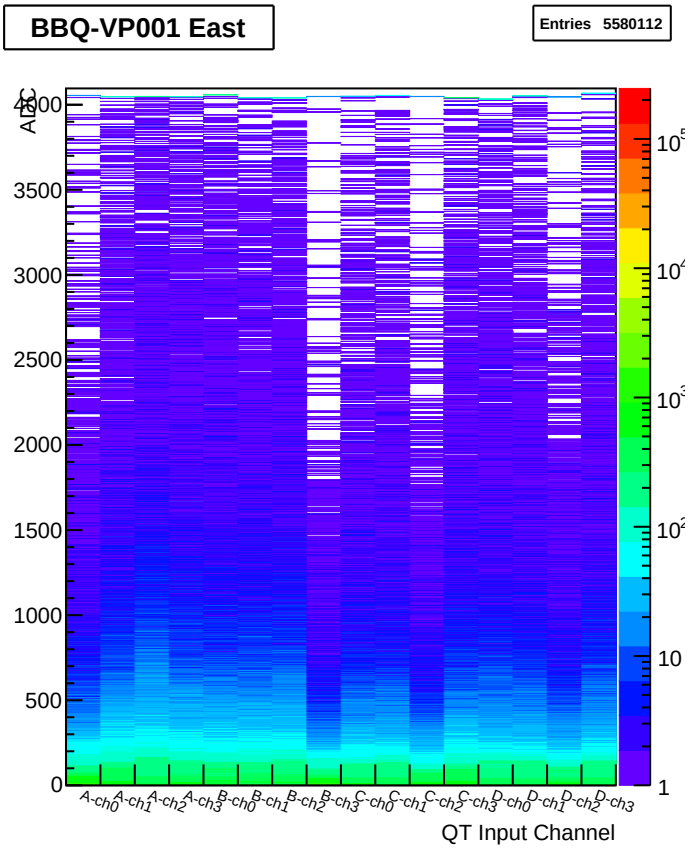

BBQ-BB001 (BBC east small tiles TAC)
Entries 5580112
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

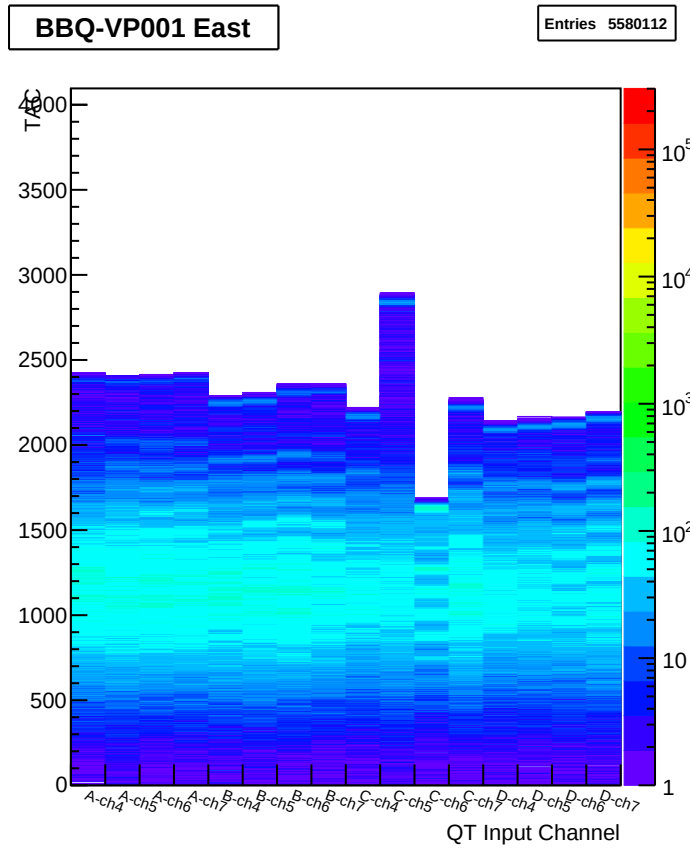

BBQ-BB002 (BBC west small tiles ADC)
Entries 5580112
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

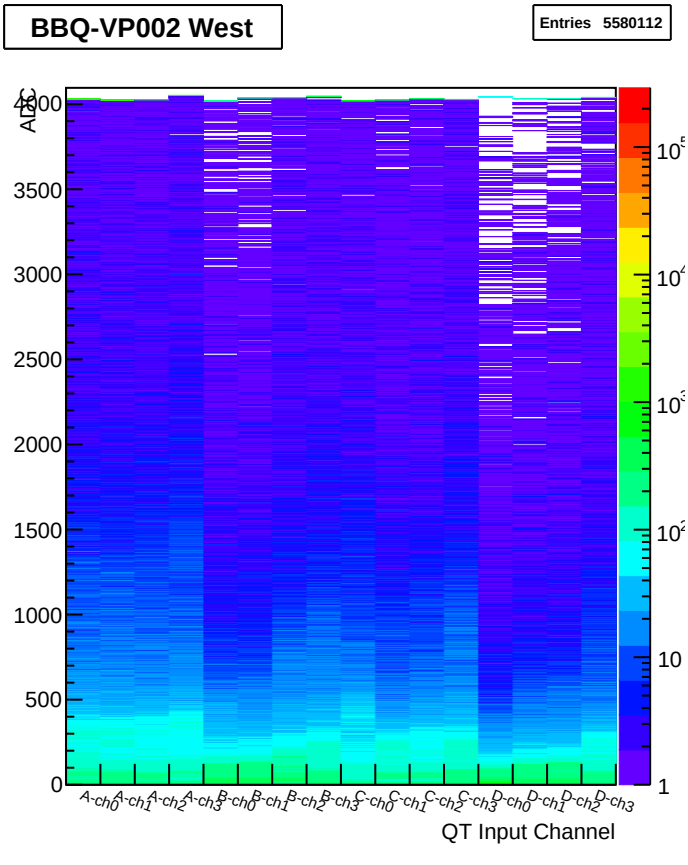

BBQ-BB002 (BBC west small tiles TAC)
Entries 5580112
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

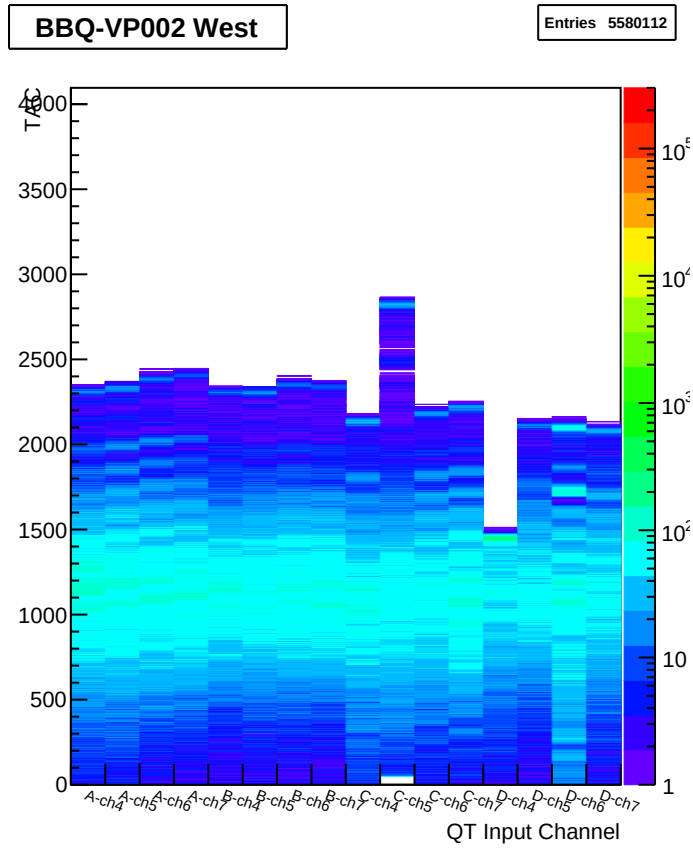

BBQ-ZD001 (ZDC TOWER)
Entries 5580112
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

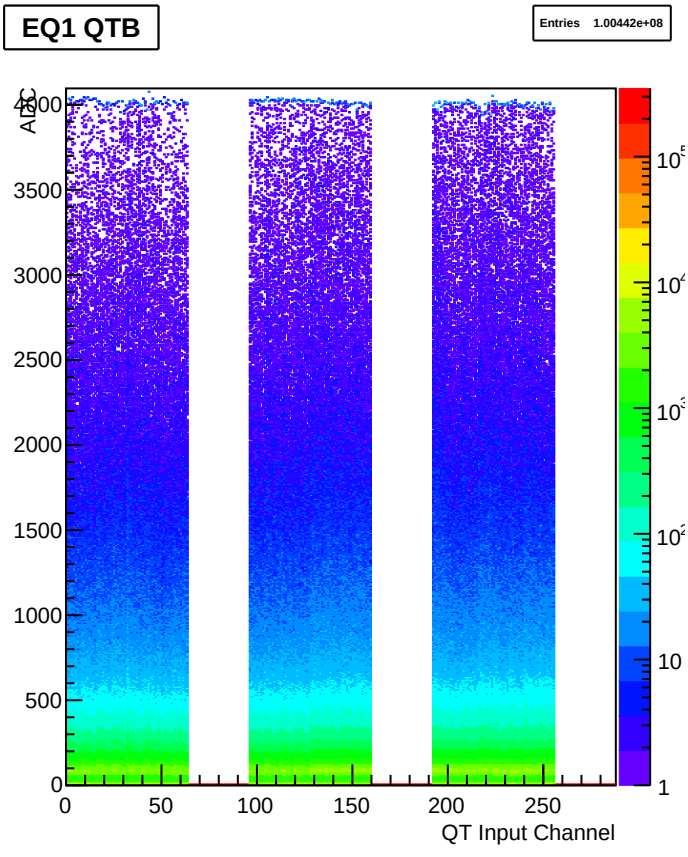

BBQ-ZD001 (ZDC TOWER)
Entries 5580112
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

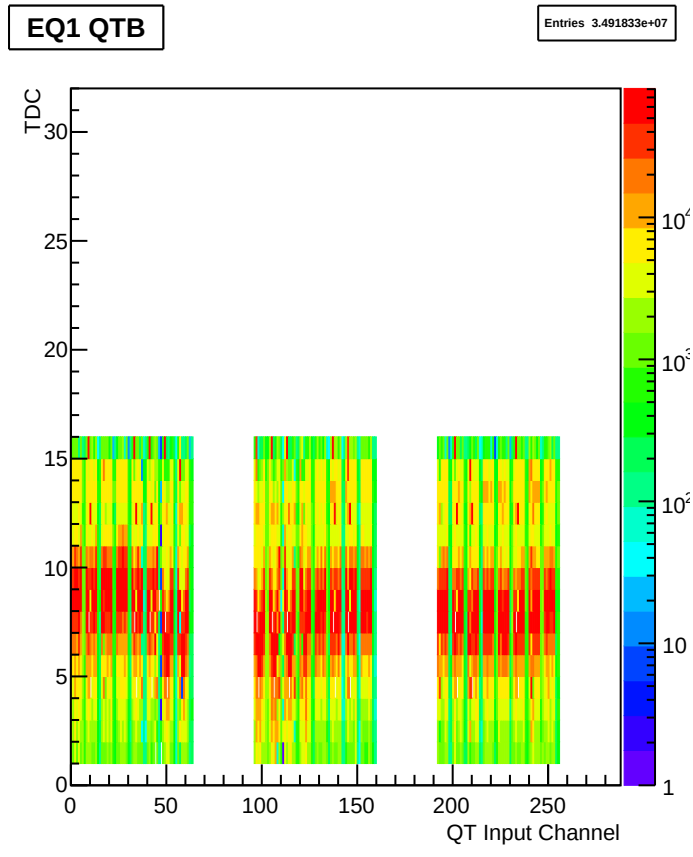

BBQ-VP001 East
Entries 5580112
ADC
QT Input Channel

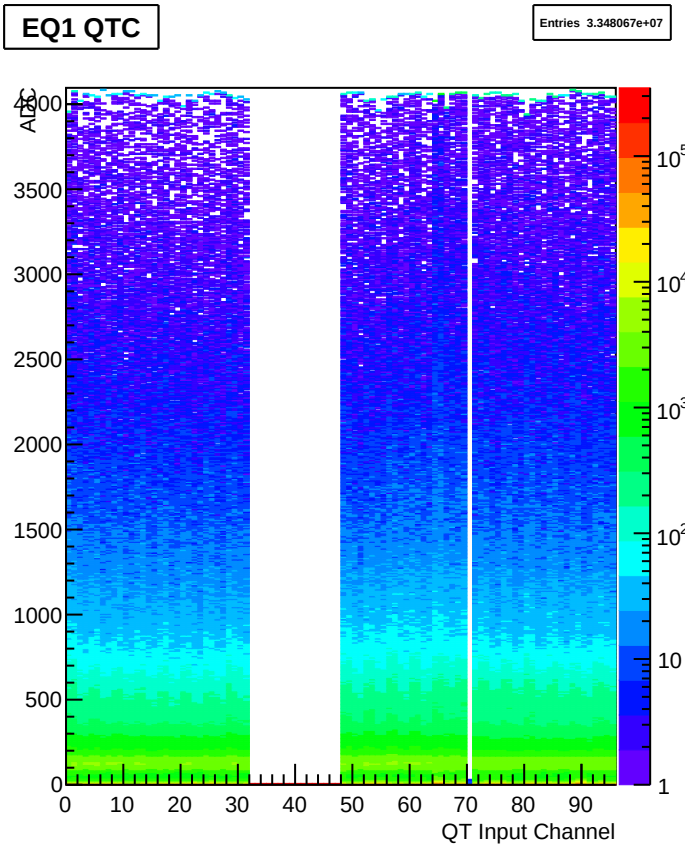

BBQ-VP001 East
Entries 5580112
TADC
QT Input Channel

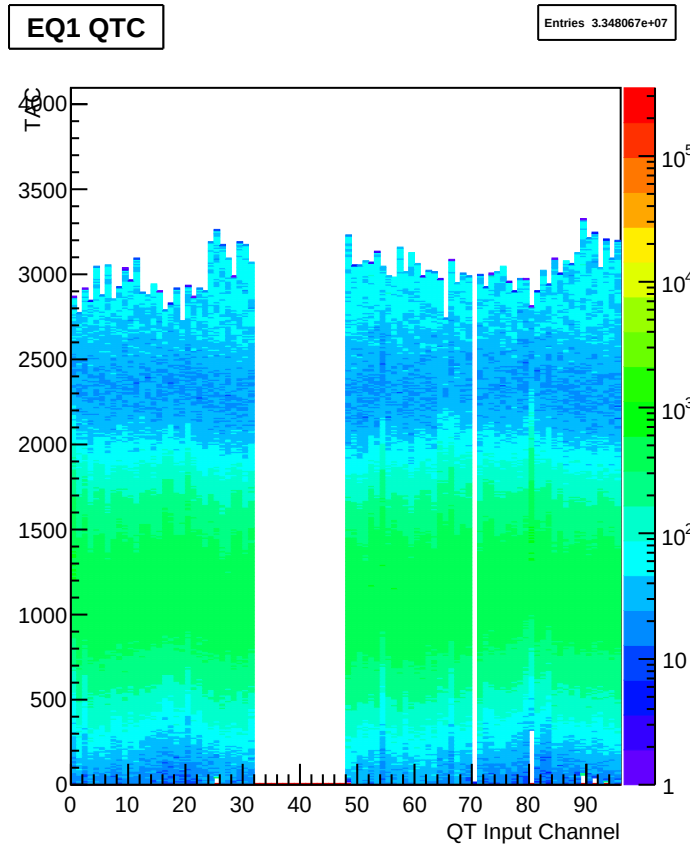

BBQ-VP002 West
Entries 5580112
ADC
QT Input Channel

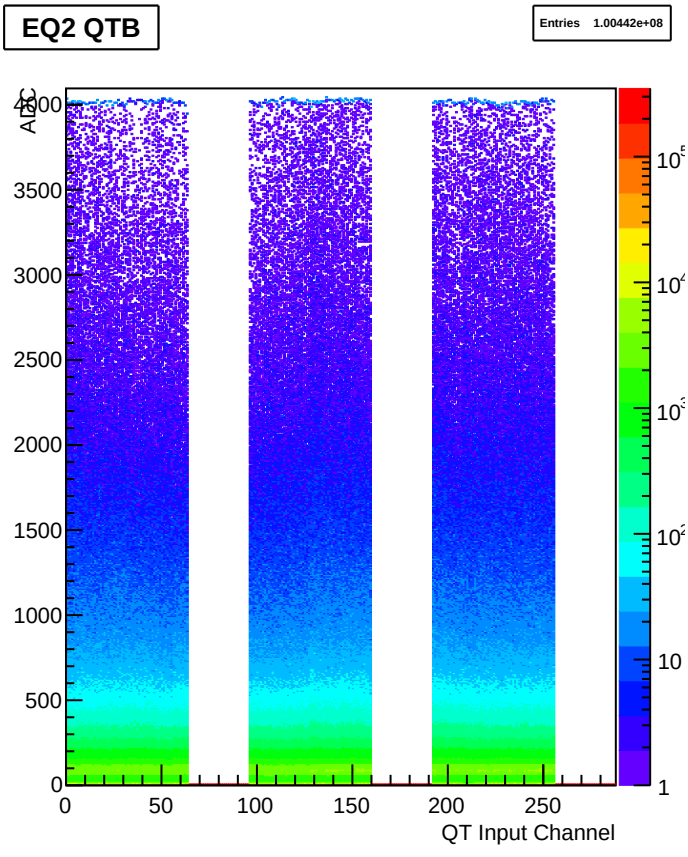

BBQ-VP002 West
Entries 5580112
TADC
QT Input Channel

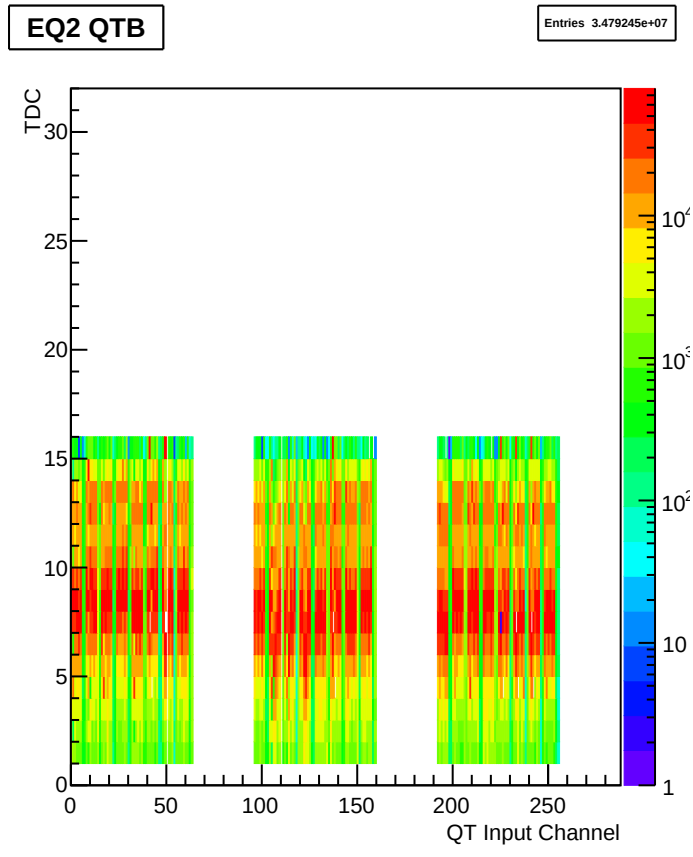

EQ1 QTB
Entries 1.00442e+08
ADC
QT Input Channel

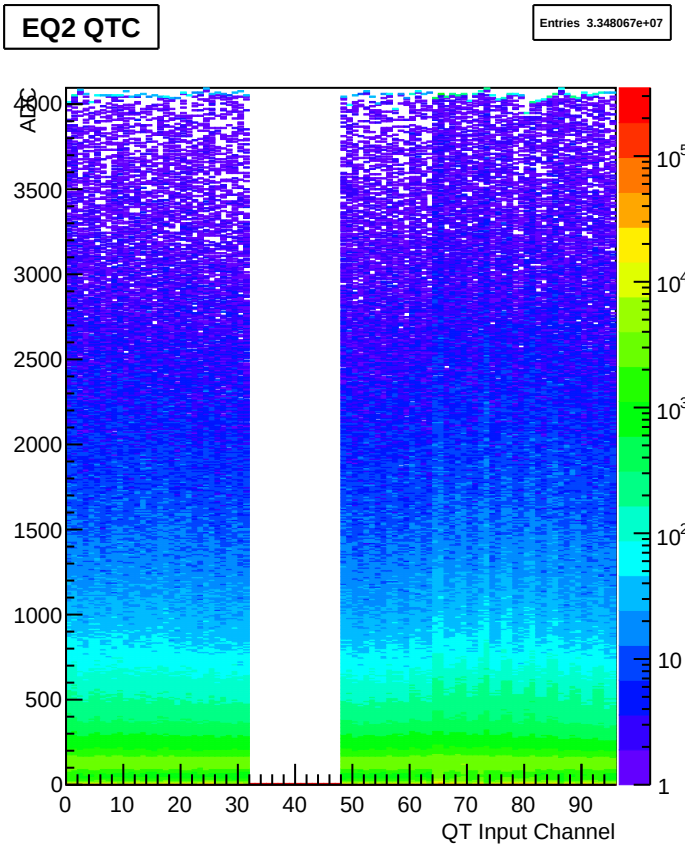

EQ1 QTB
Entries 3.491833e+07
TDC
QT Input Channel

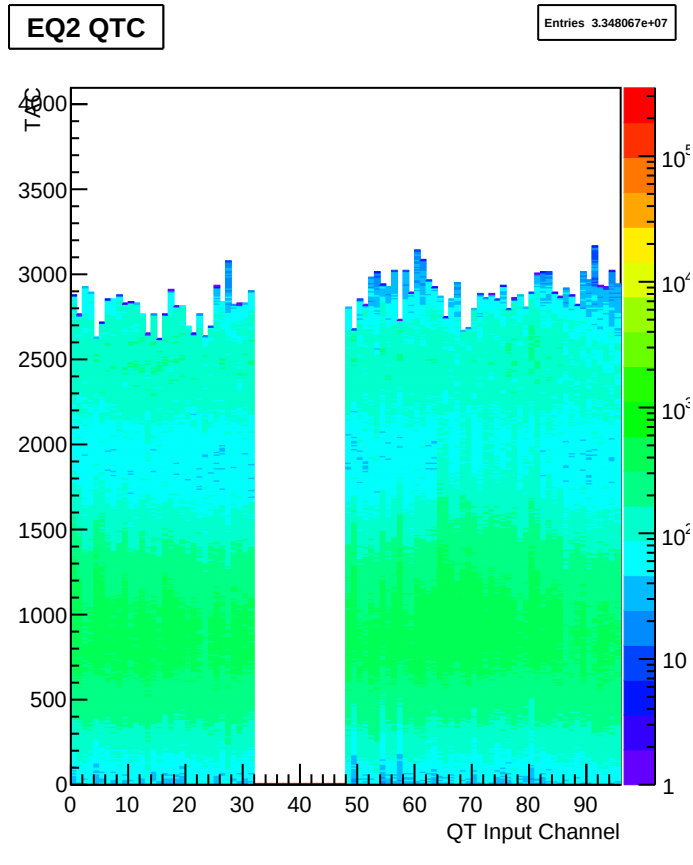

EQ1 QTC
Entries 3.348067e+07
ADC
QT Input Channel

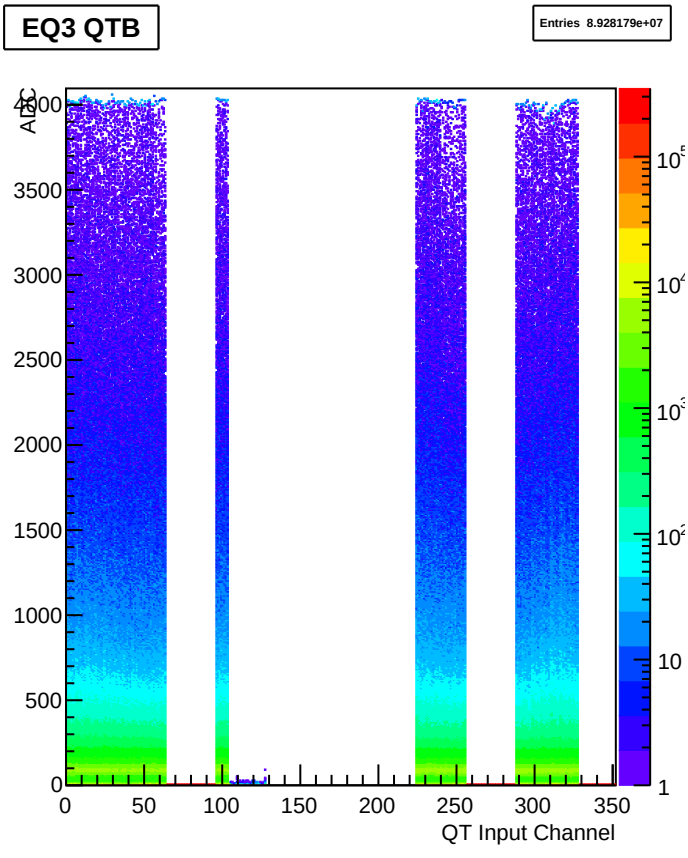

EQ1 QTC
Entries 3.348067e+07
TADC
QT Input Channel

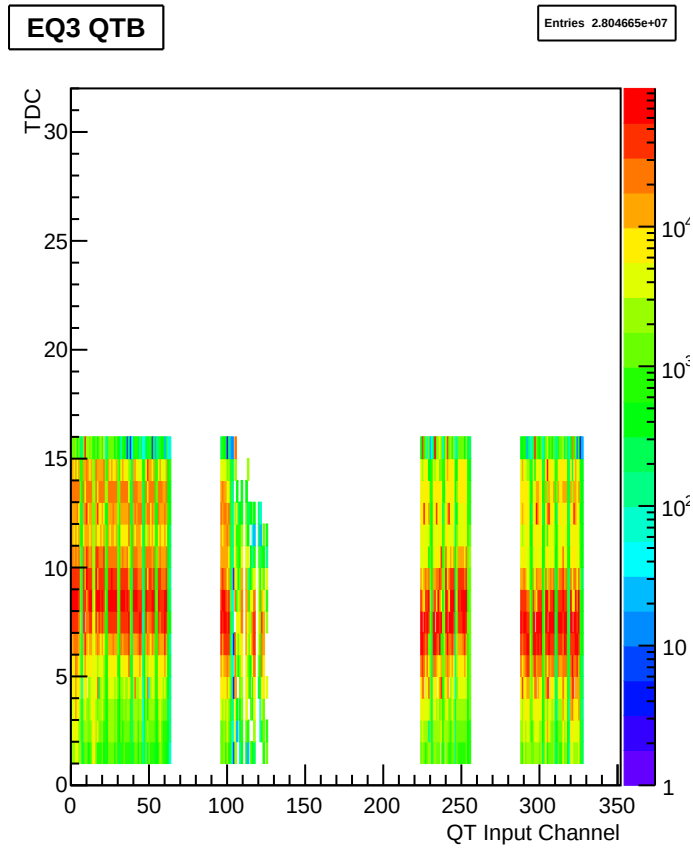

EQ2 QTB
Entries 1.00442e+08
ADC
QT Input Channel

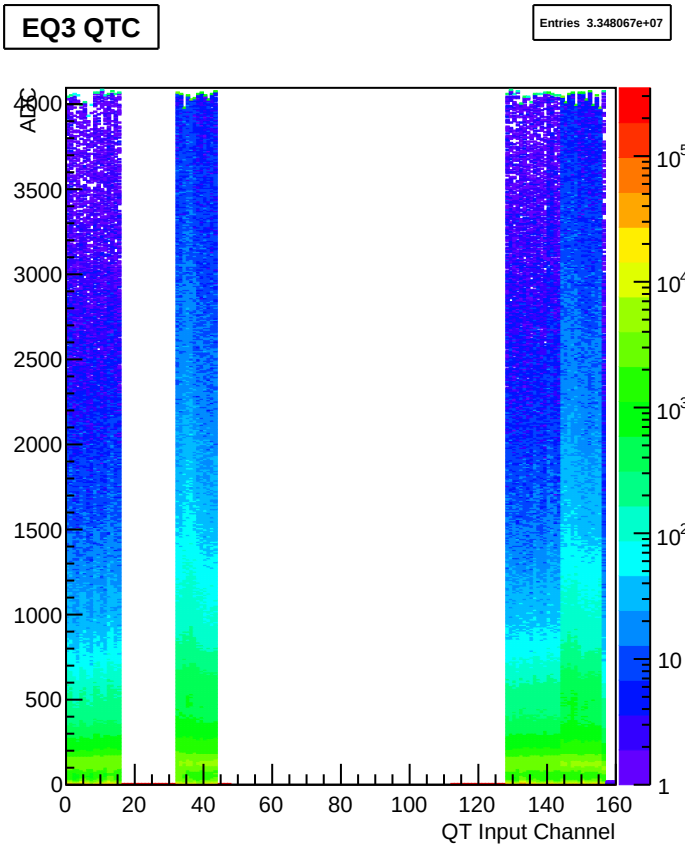

EQ2 QTB
Entries 3.479245e+07
TDC
QT Input Channel

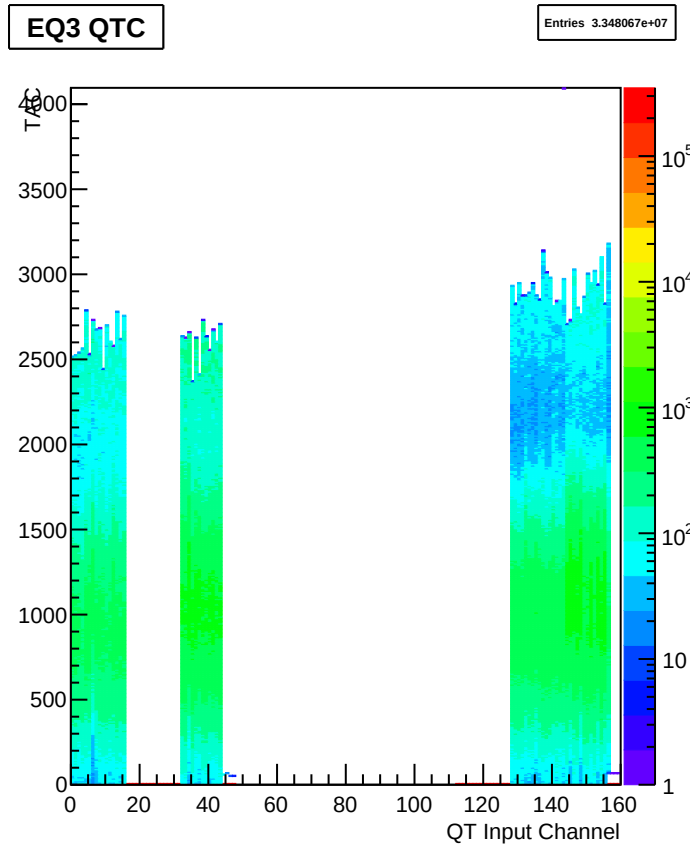

EQ2 QTC
Entries 3.348067e+07
ADC
QT Input Channel

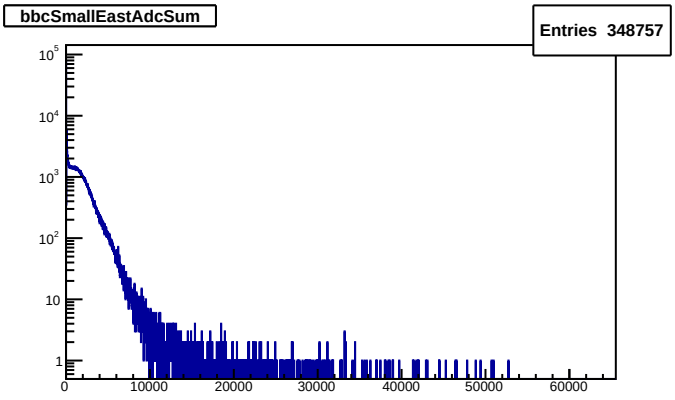

EQ2 QTC
Entries 3.348067e+07
TADC
QT Input Channel

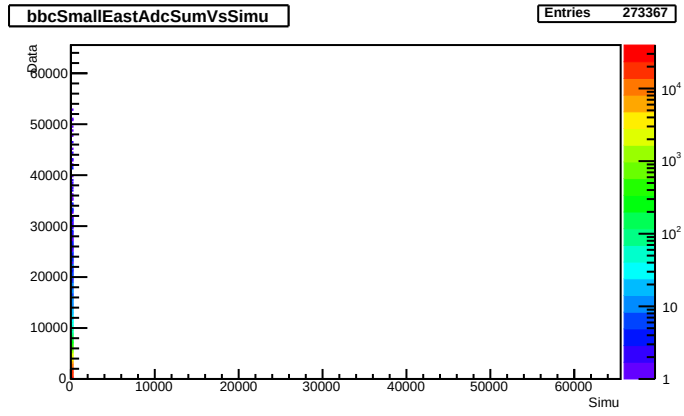

EQ3 QTB
Entries 8.928179e+07
ADC
QT Input Channel

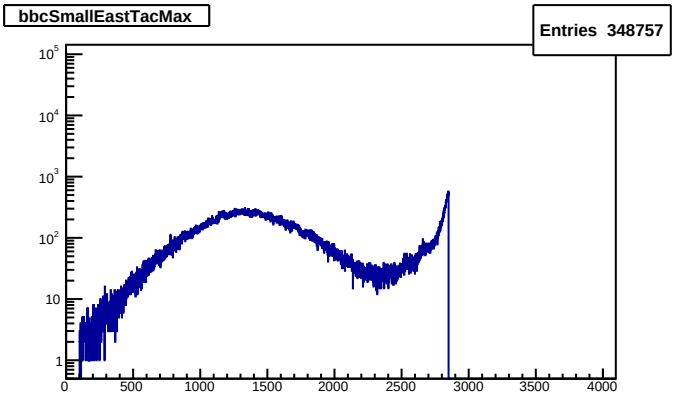

EQ3 QTB
Entries 2.804665e+07
TDC
QT Input Channel

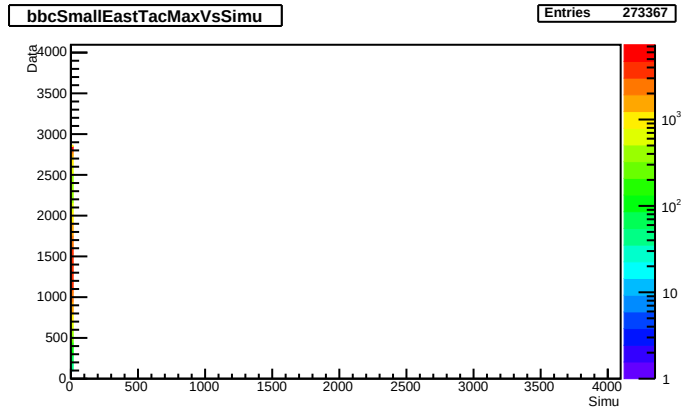

EQ3 QTC
Entries 3.348067e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.348067e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 348757


bbcSmallEastAdcSumVsSimu
Entries 273367
Data
Simu


bbcSmallEastTacMax
Entries 348757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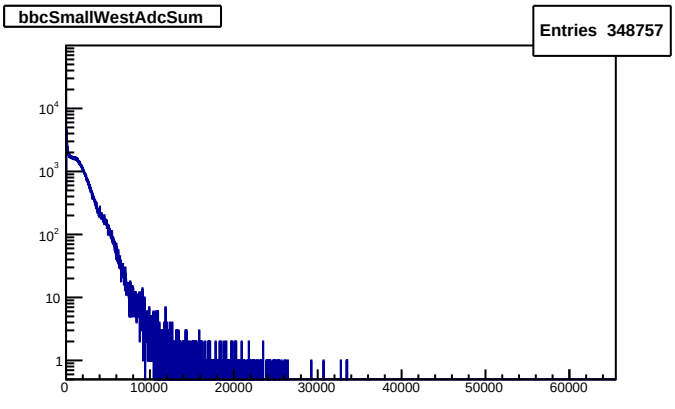
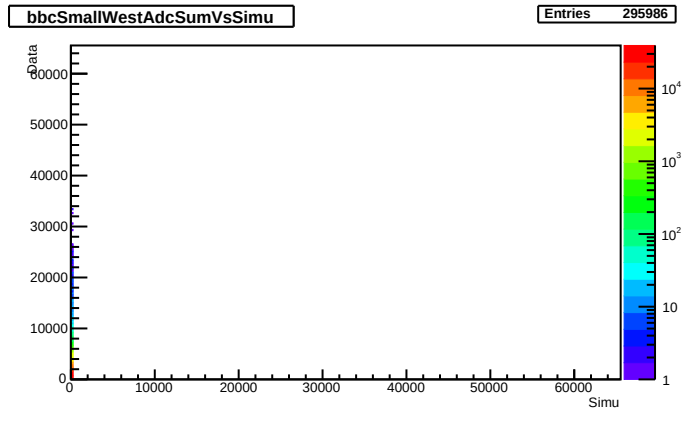
Entries 273367
Data
Simu


bbcSmallWestAdcSum
Entries 348757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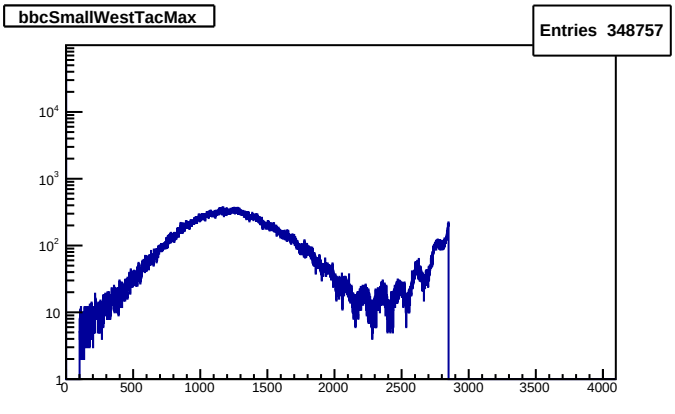
Entries 295986
Data
Simu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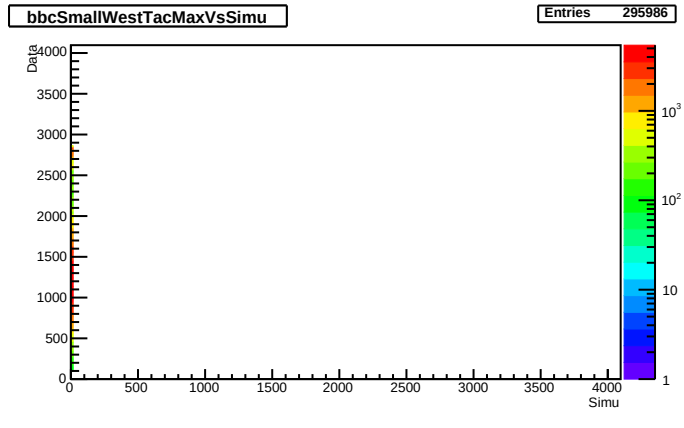
Entries 348757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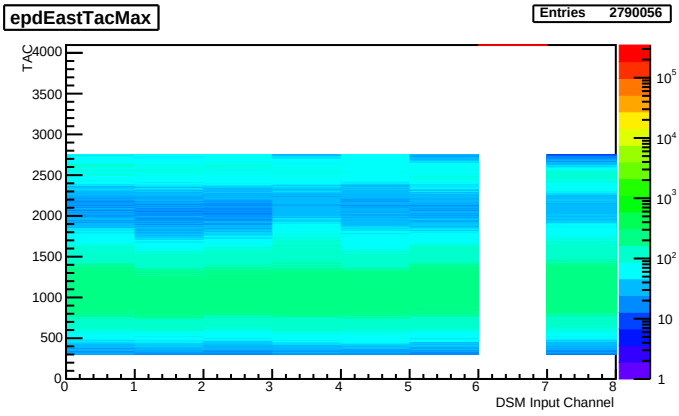
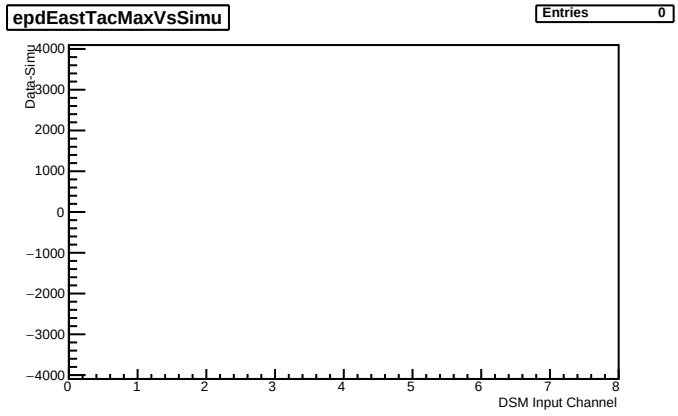
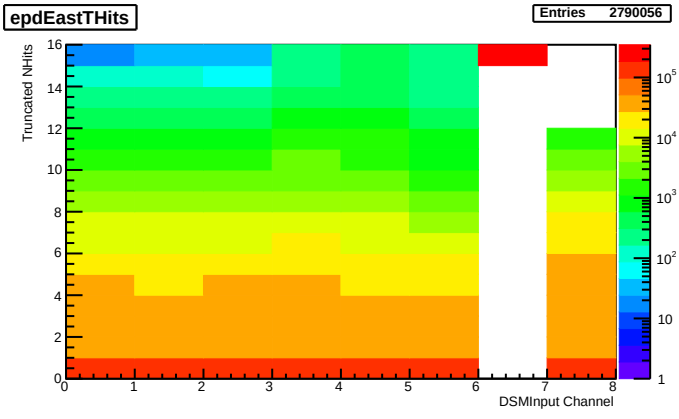
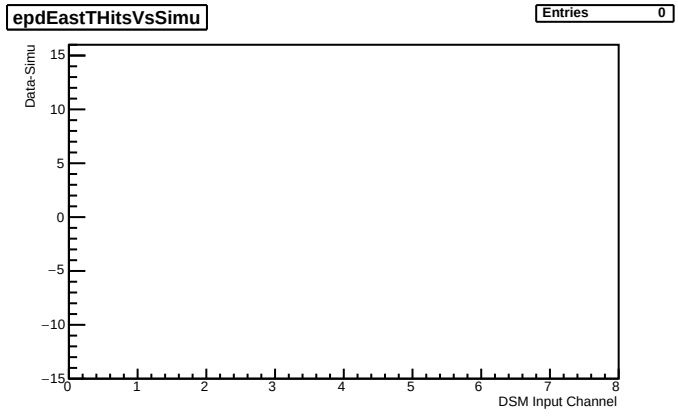
Entries 295986
Data
Simu


epdEastTacMax
Entries 2790056
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2790056
Truncated NHits
DSMInput Channel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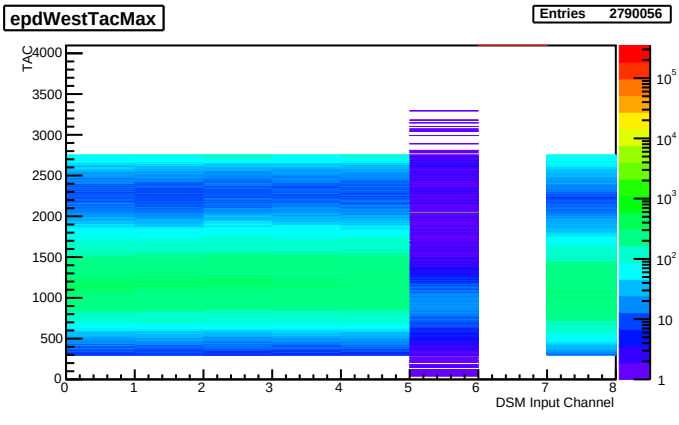
Data-Simu
DSM Input Channel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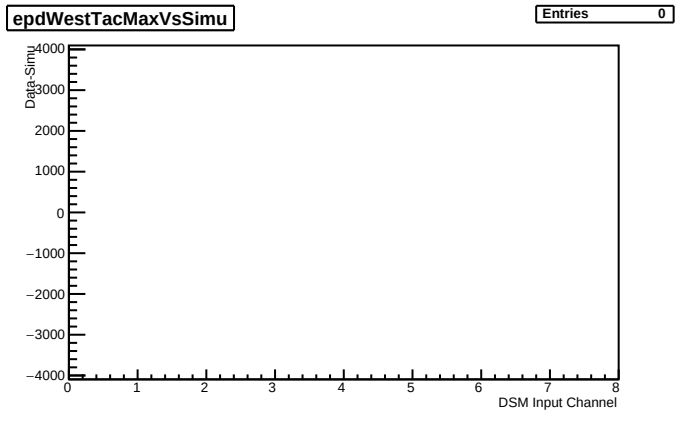
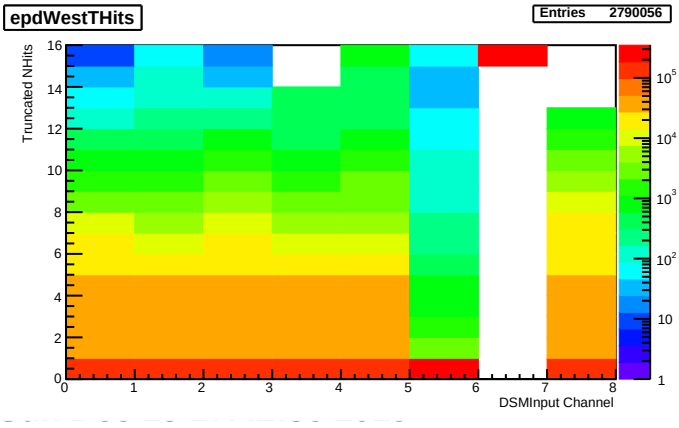
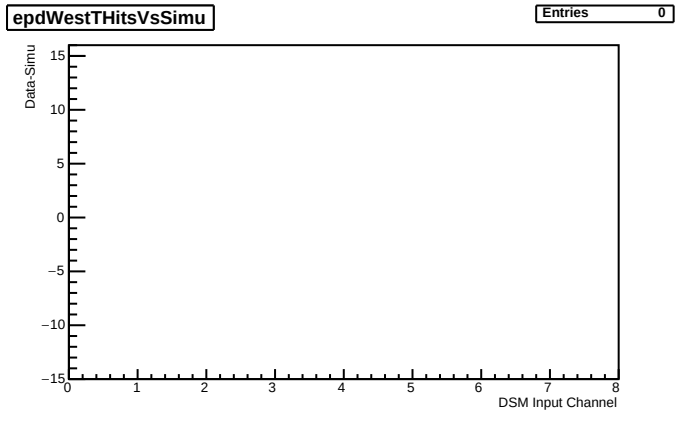
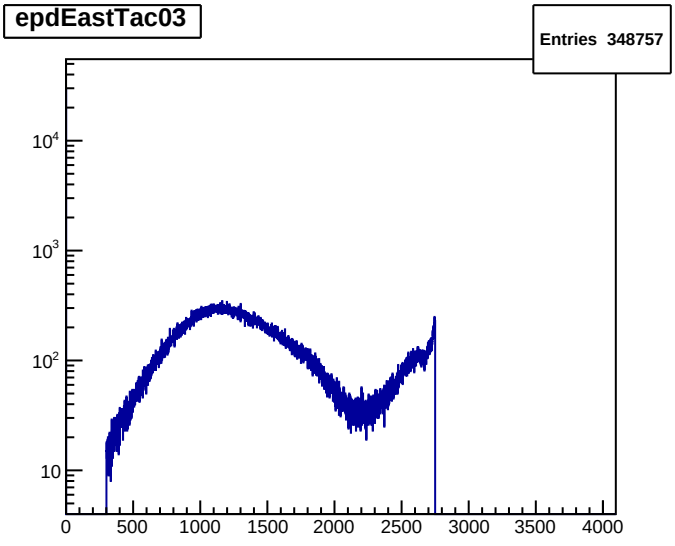
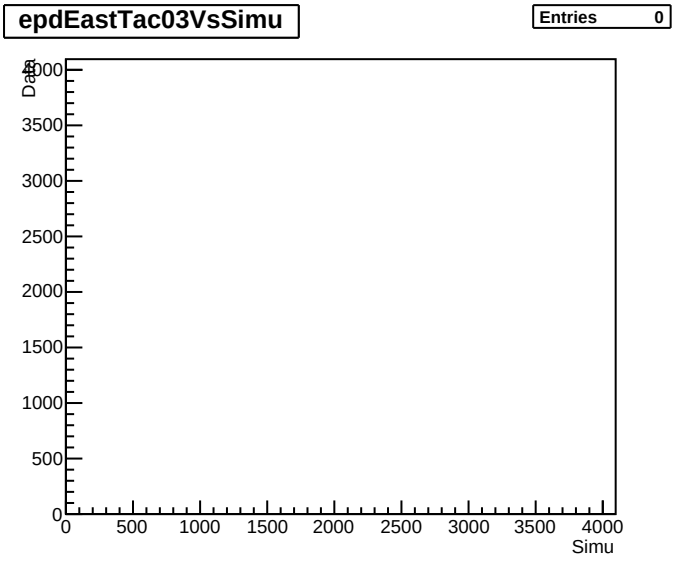
Entries 2790056
TAC
DSM Input Channel

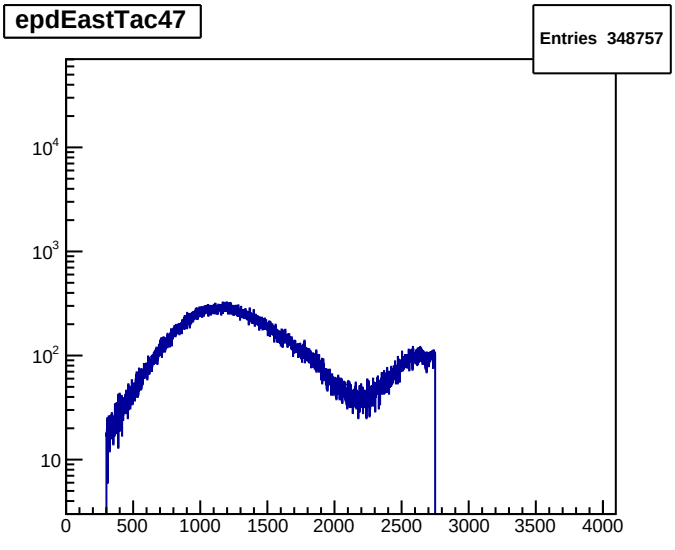

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

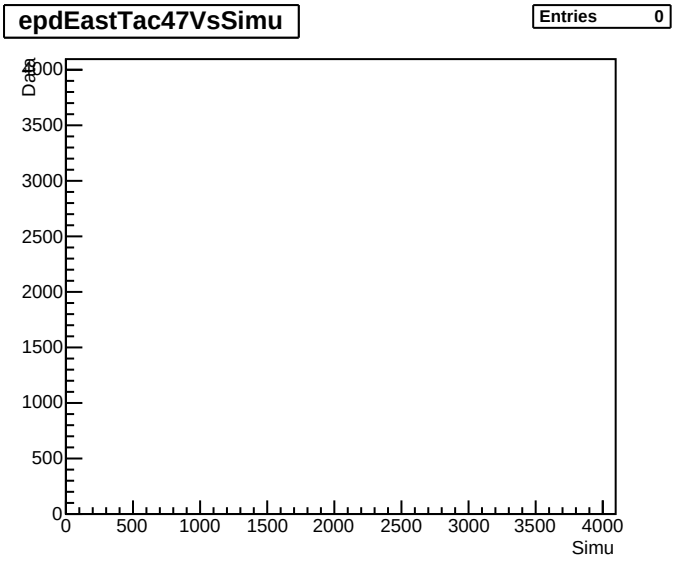

epdWestTHits
Entries 2790056
Truncated NHits
DSMInput Channel

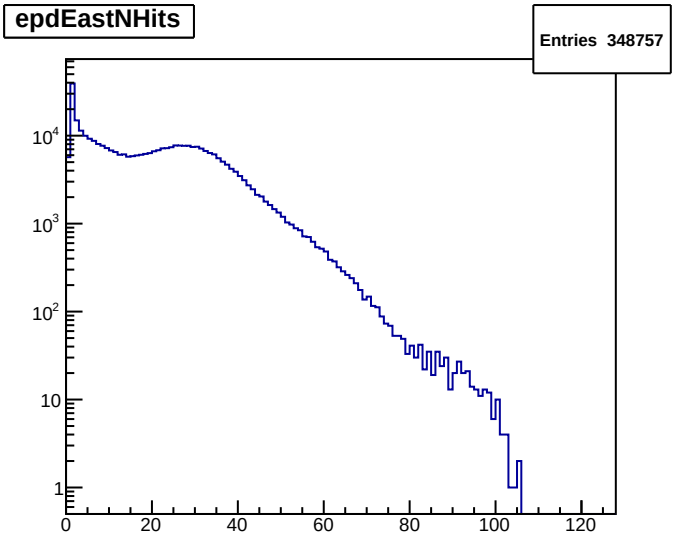

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

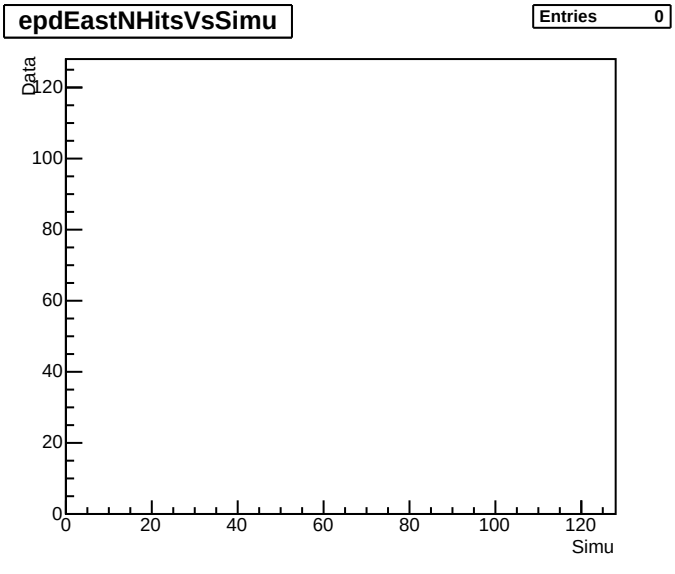

epdEastTac03
Entries 348757
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 348757
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 348757
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120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Entries 0
Data
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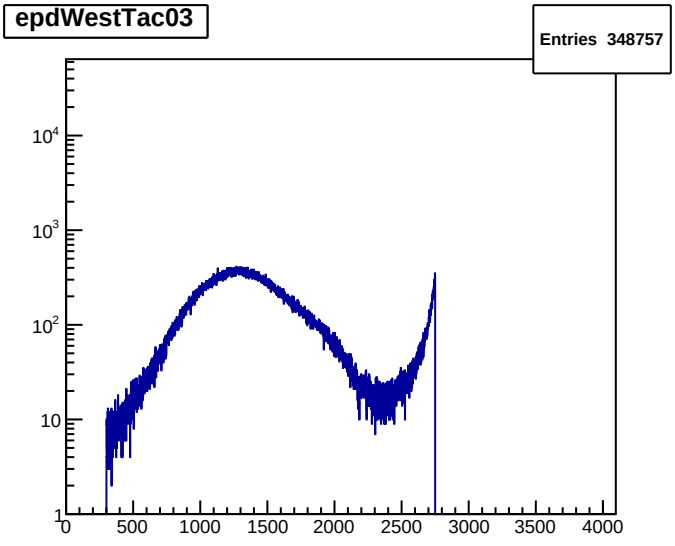
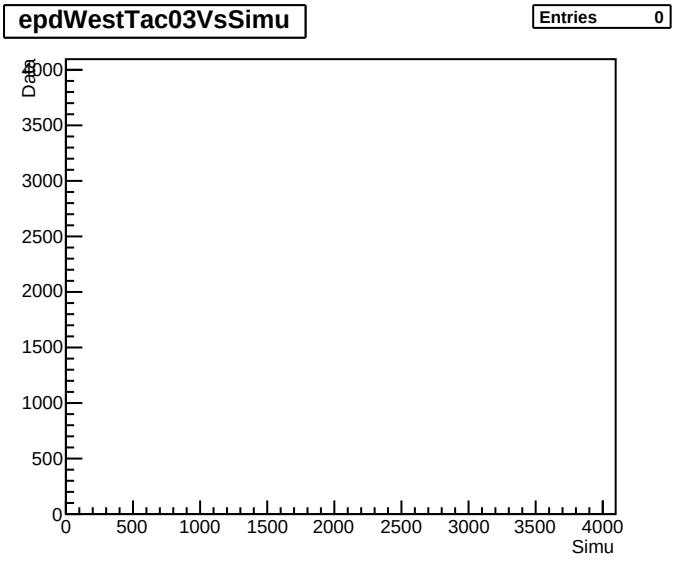
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 348757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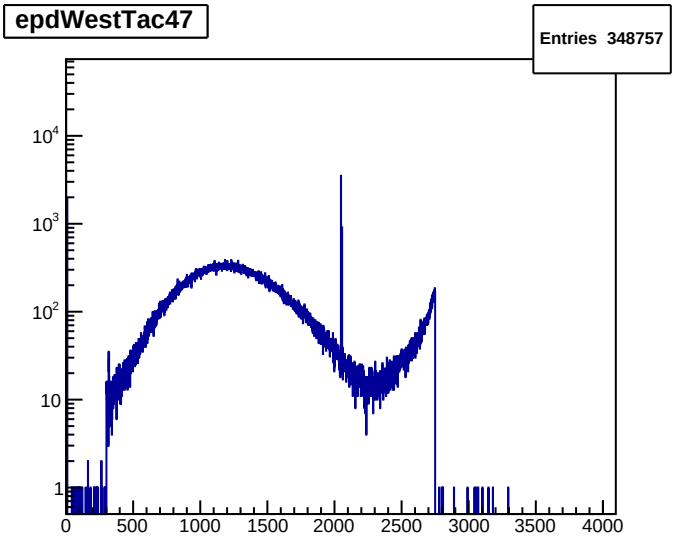
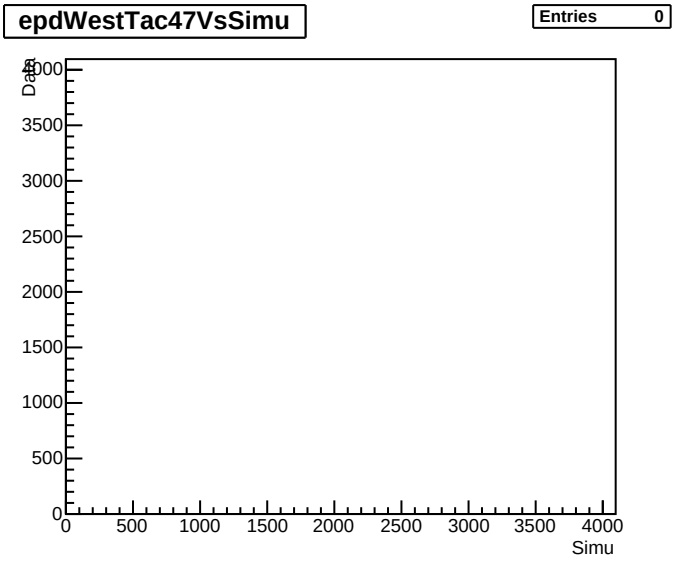
Data
Simu


epdWestTac47
Entries 348757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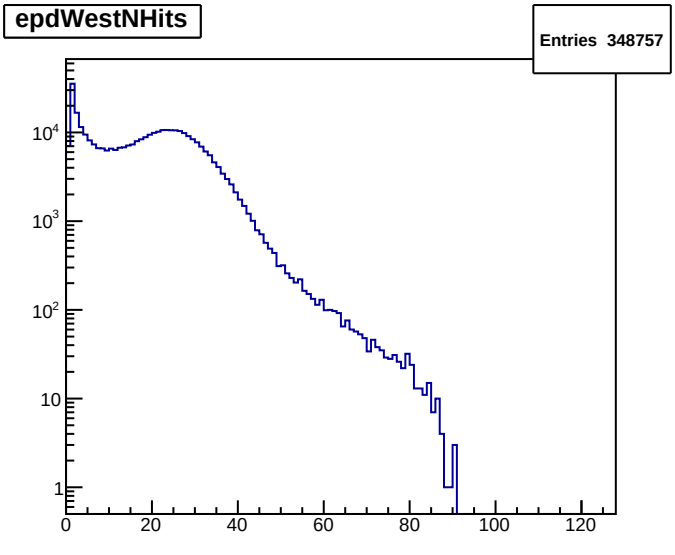
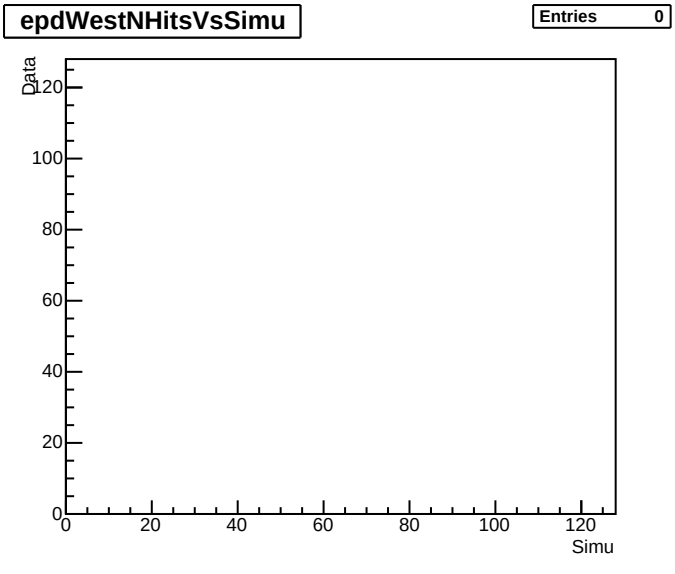
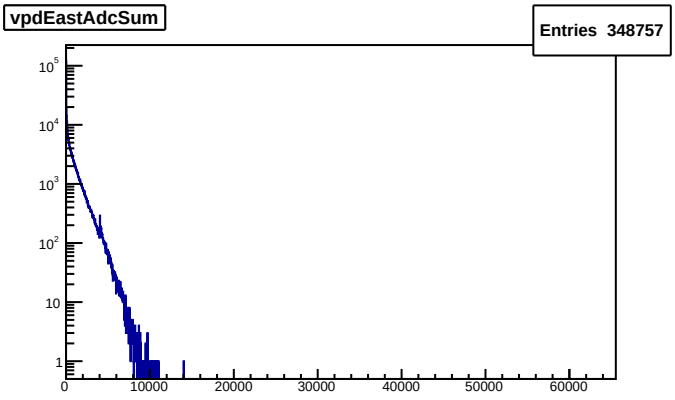
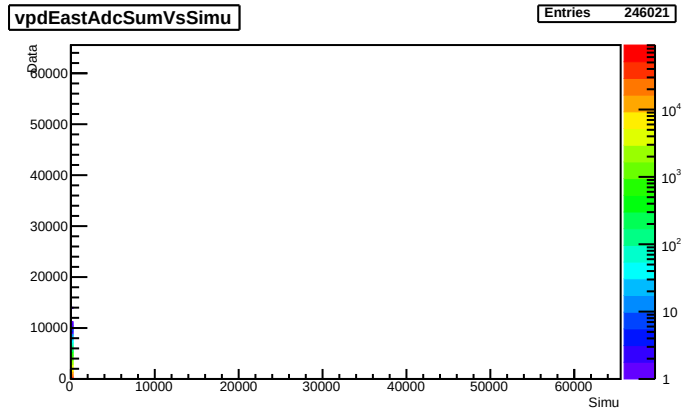
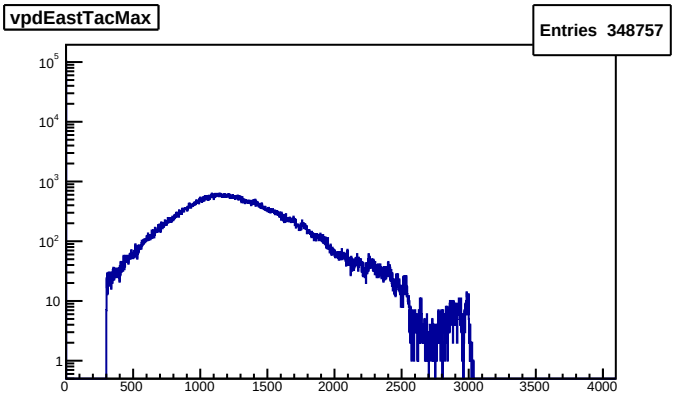
Entries 0
Data
Simu

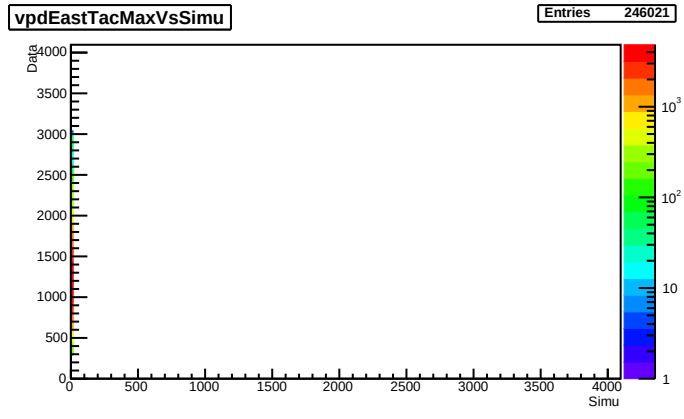

epdWestNHits
Entries 348757

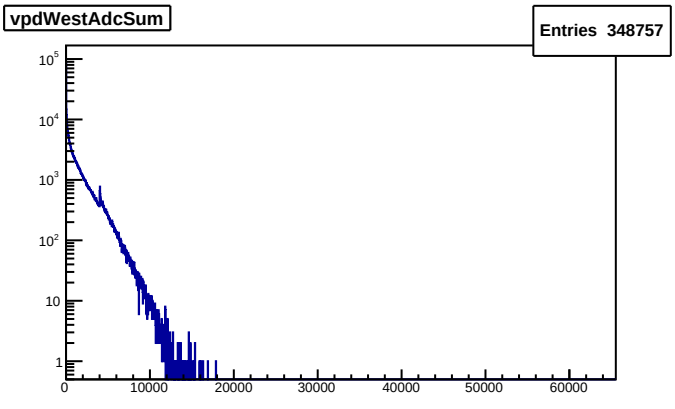

epdWestNHitsVsSimu
Entries 0
Data
Simu

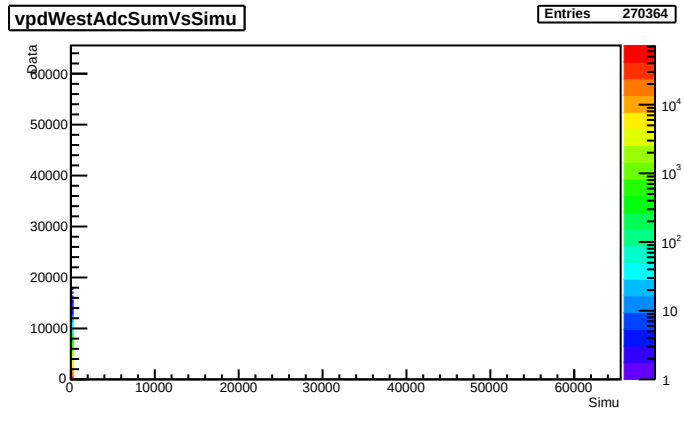

vpdEastAdcSum
Entries 348757


vpdEastAdcSumVsSimu
Entries 246021
Data
Simu


vpdEastTacMax
Entries 348757


vpdEastTacMaxVsSimu
Entries 246021
Data
Simu


vpdWestAdcSum
Entries 348757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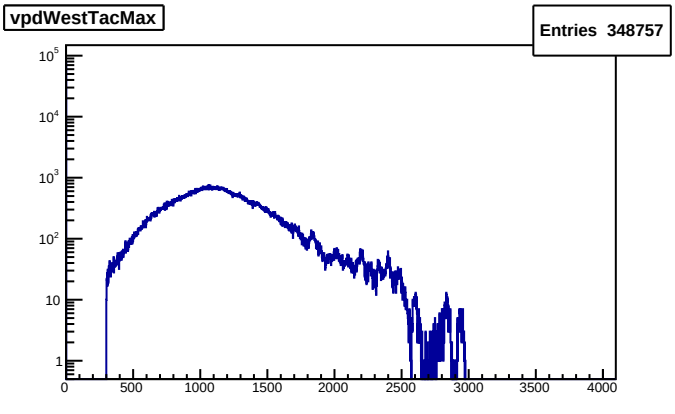
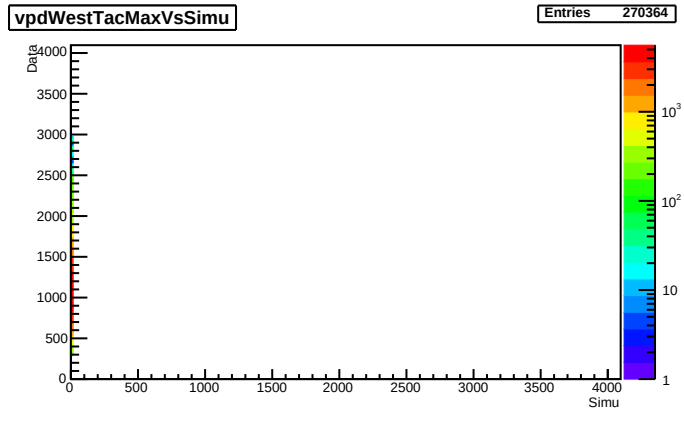
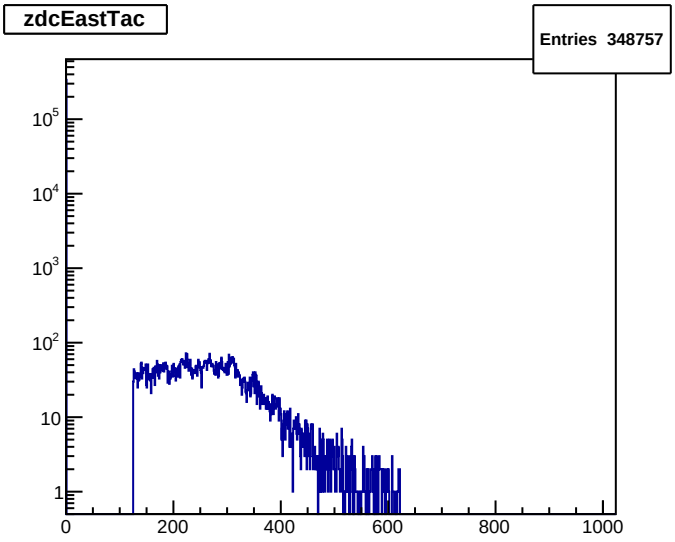
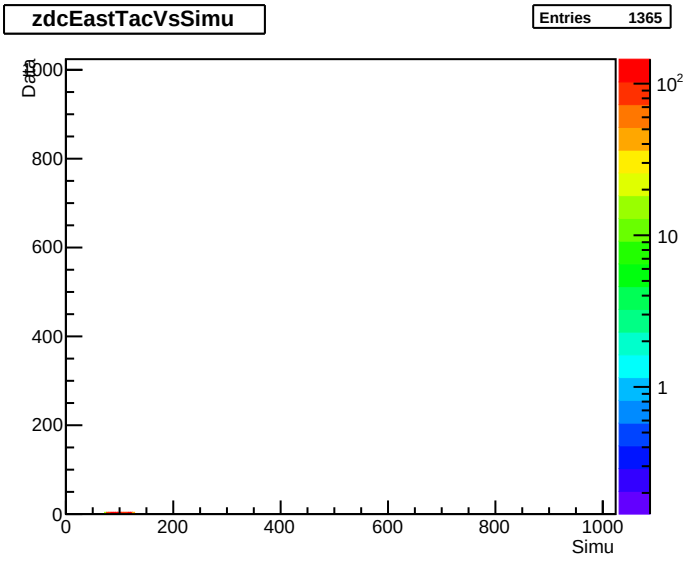
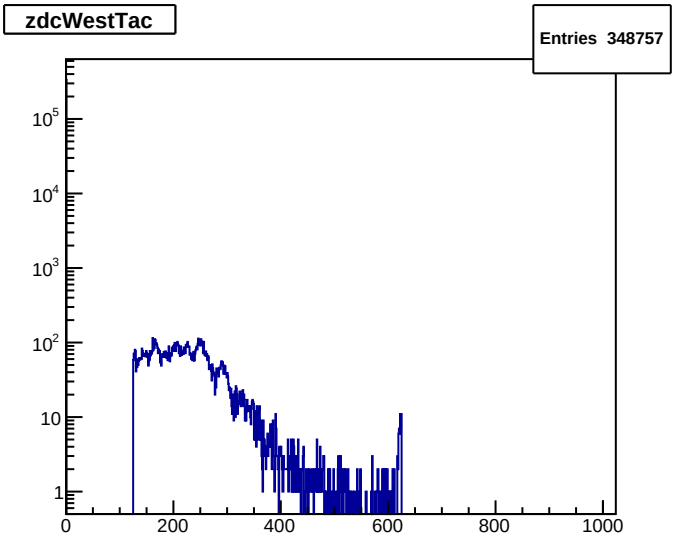
Entries 270364
Data
Simu

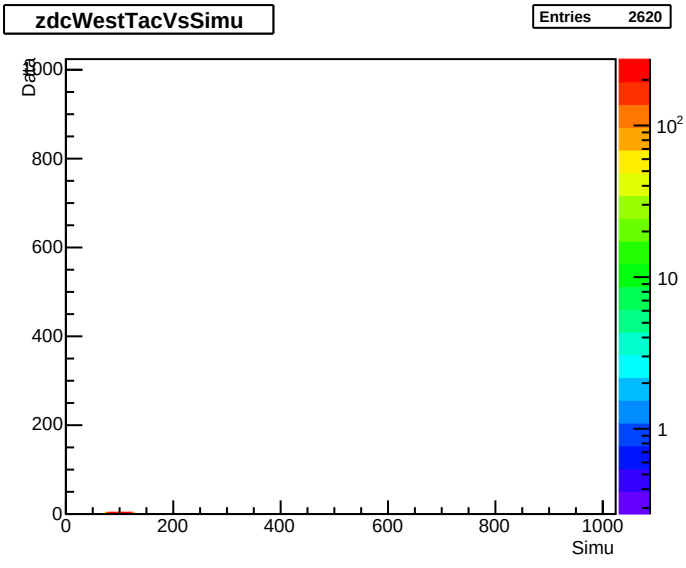

vpdWestTacMax
Entries 348757

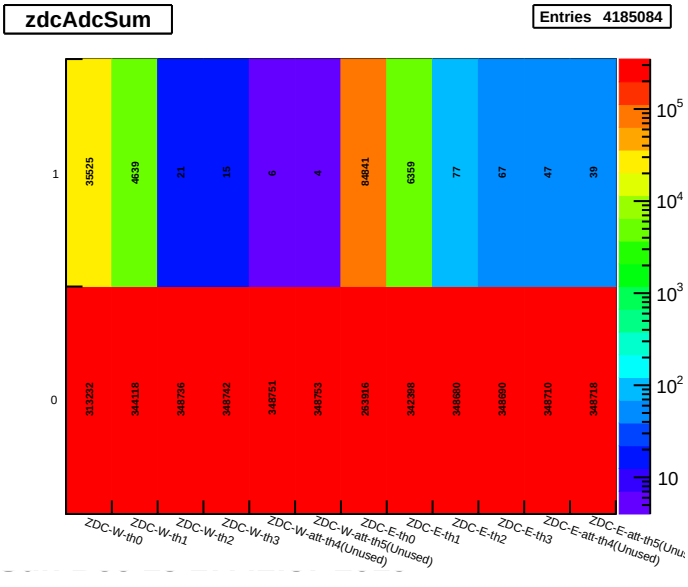

vpdWestTacMaxVsSimu
Entries 270364
Data
Simu

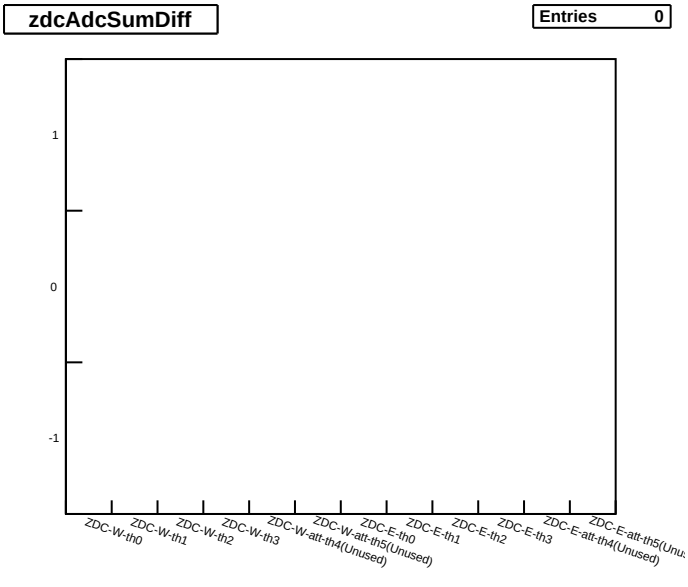

zdcEastTac
Entries 348757

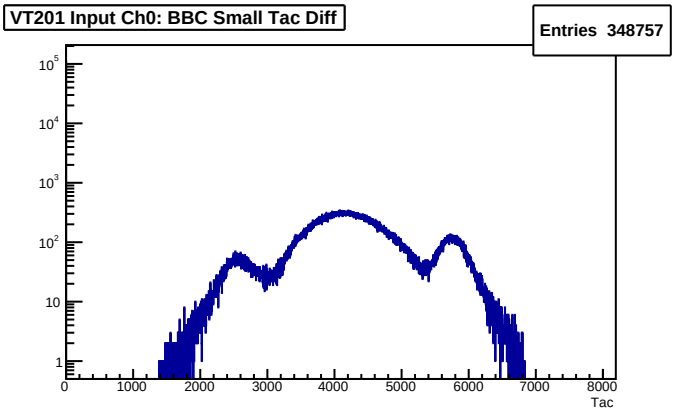

zdcEastTacVsSimu
Entries 1365
Data
Simu

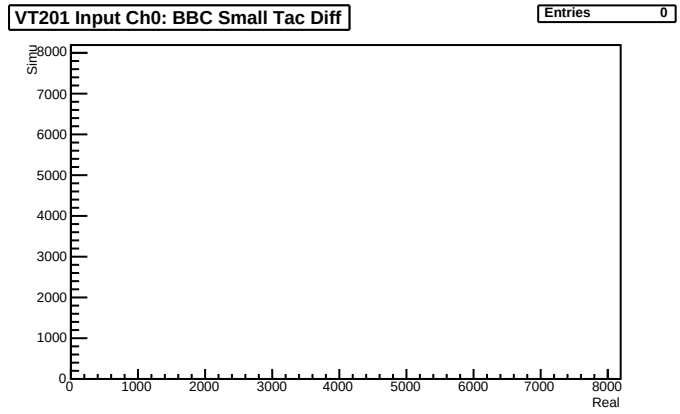

zdcWestTac
Entries 348757

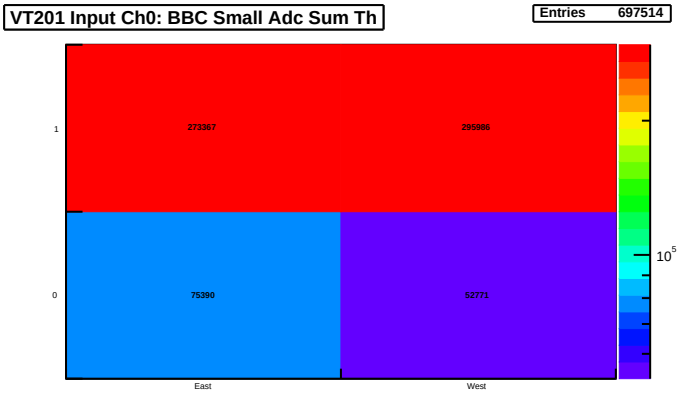

zdcWestTacVsSimu
Entries 2620
Data
Simu

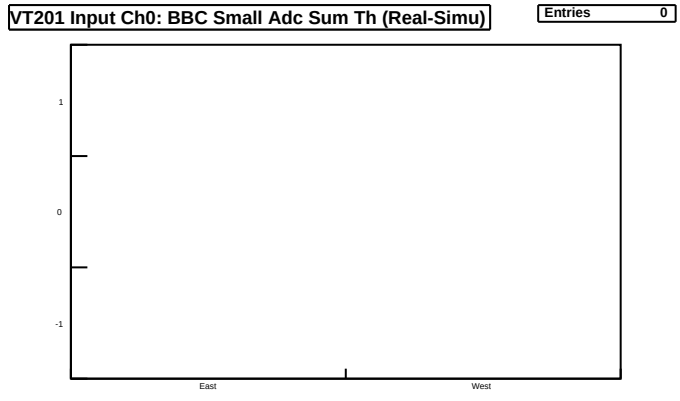

zdcAdcSum
Entries 4185084
35525
4639
21
15
6
4
84841
6359
77
67
47
39
313232
344118
348736
348742
348751
348753
263916
342386
348680
348690
348710
348718
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

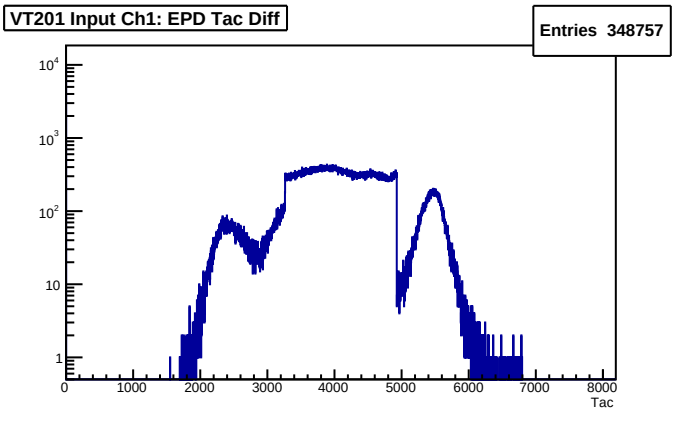

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

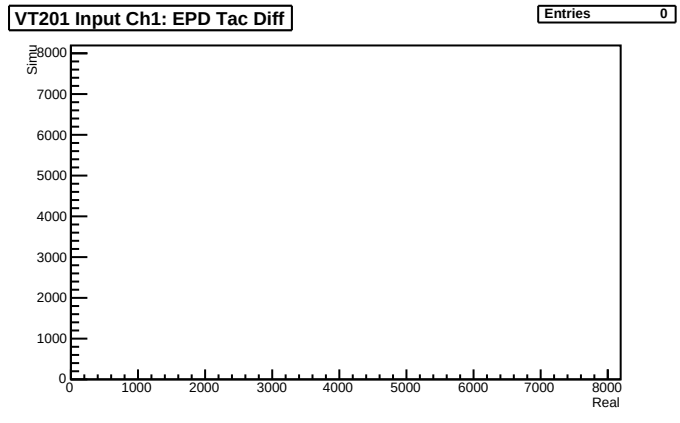

VT201 Input Ch0: BBC Small Tac Diff
Entries 348757
Tac

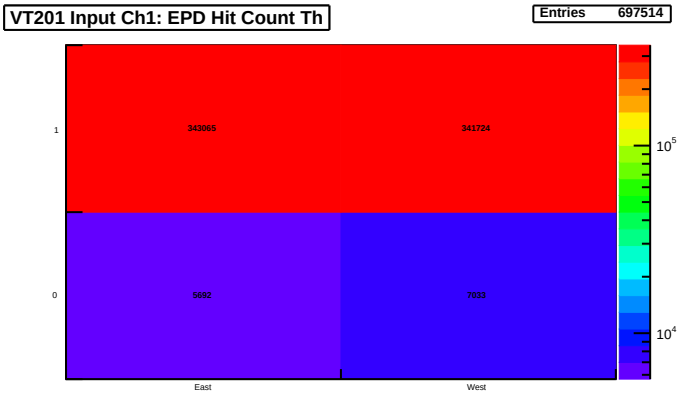

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

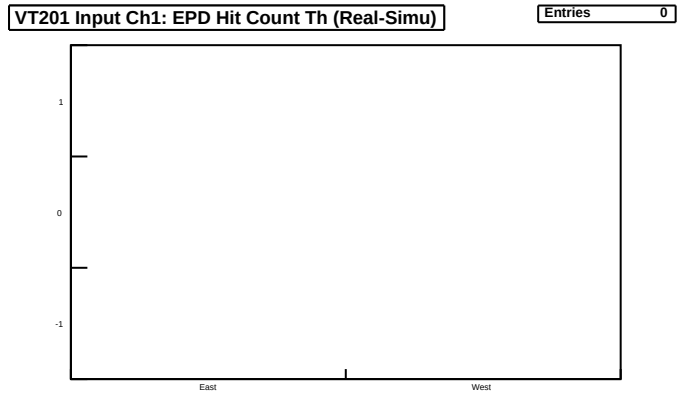

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 697514
273367
295986
75390
52771
East
West

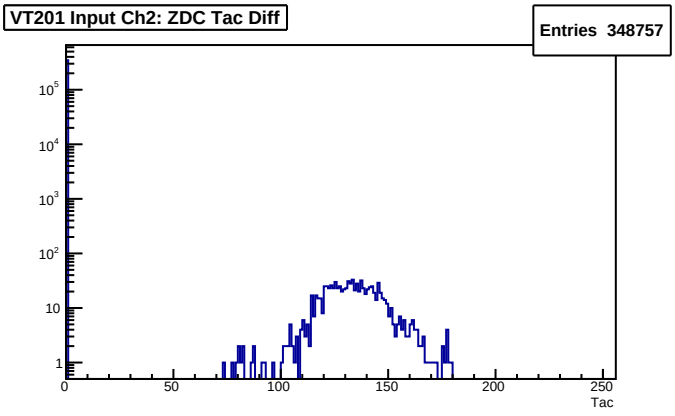

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

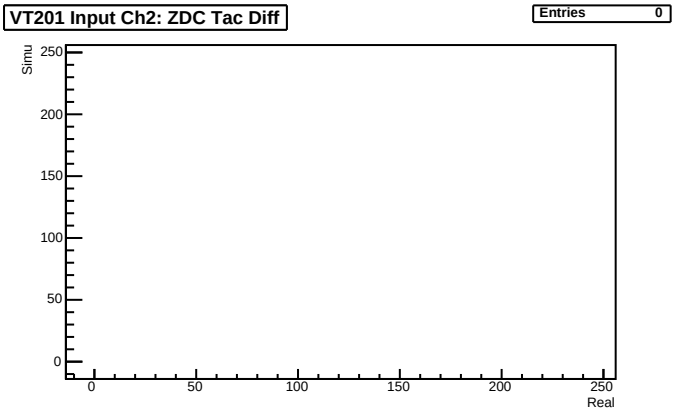

VT201 Input Ch1: EPD Tac Diff
Entries 348757
Tac

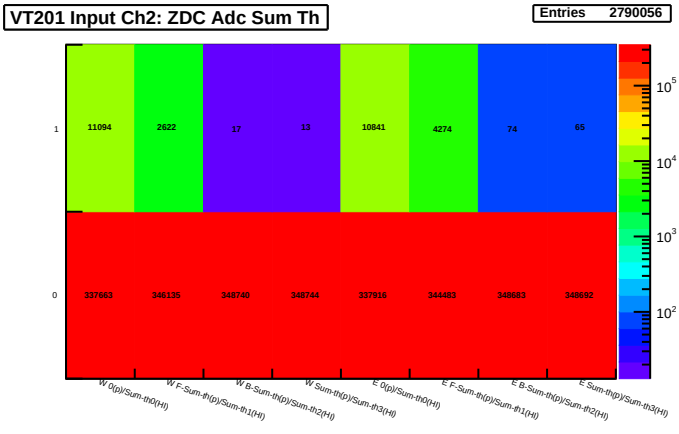

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

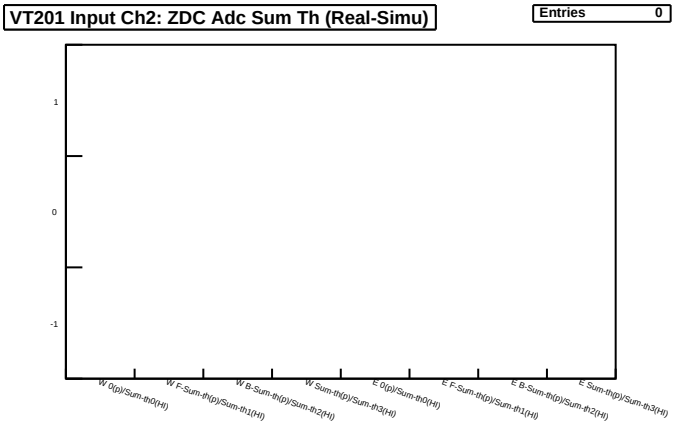

VT201 Input Ch1: EPD Hit Count Th
Entries 697514
343065
341724
5692
7033
East
West

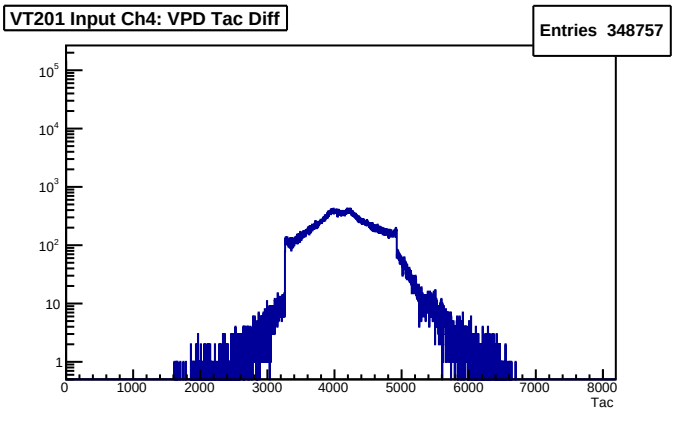

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

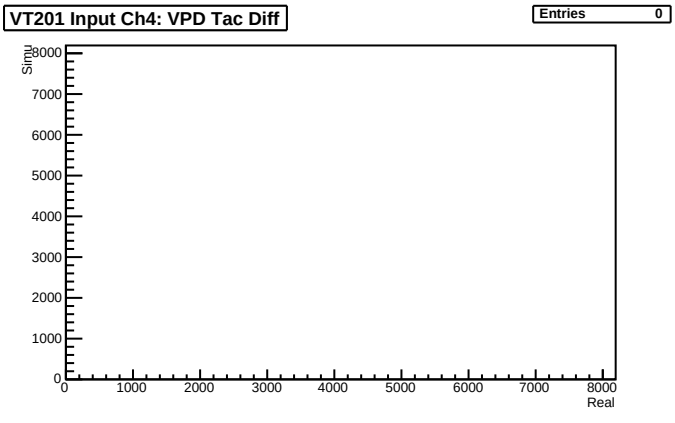

VT201 Input Ch2: ZDC Tac Diff
Entries 348757
Tac

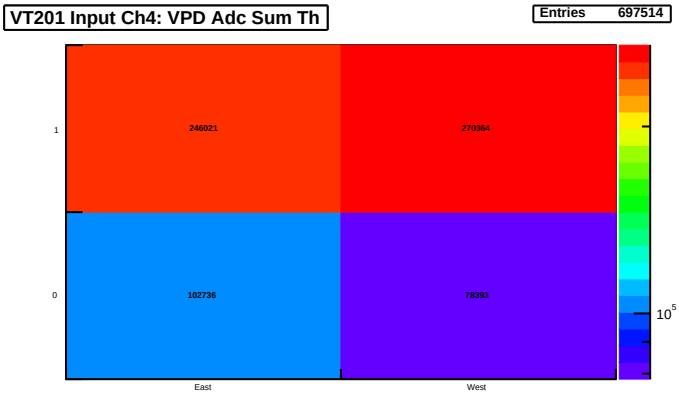

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

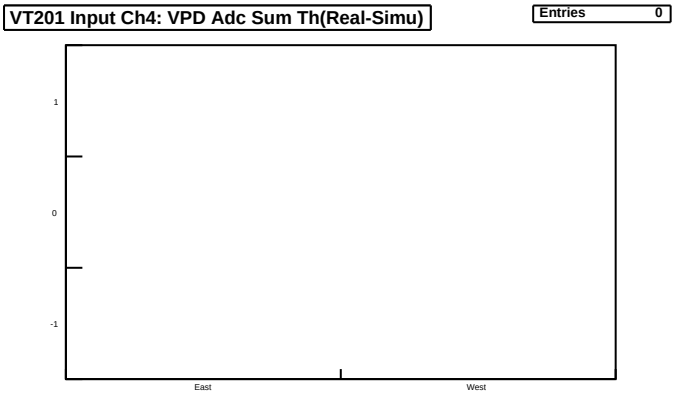

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2790056
11094
2622
17
13
10841
4274
74
65
337663
346135
348740
348744
337916
344483
348683
348692
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

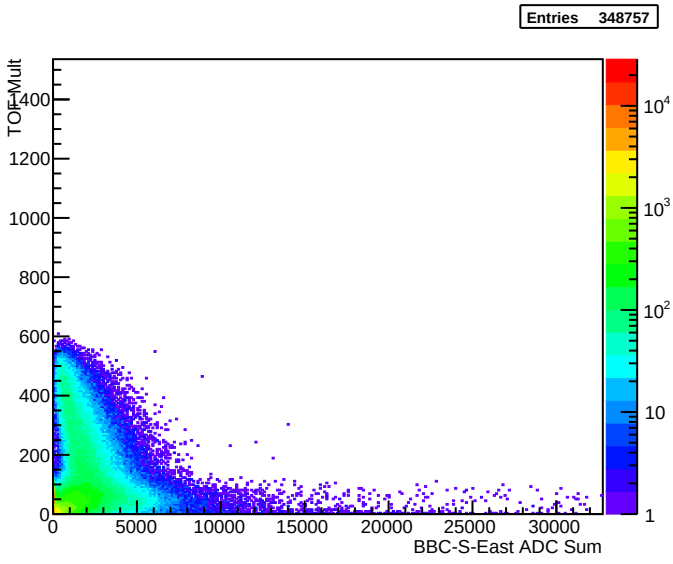

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

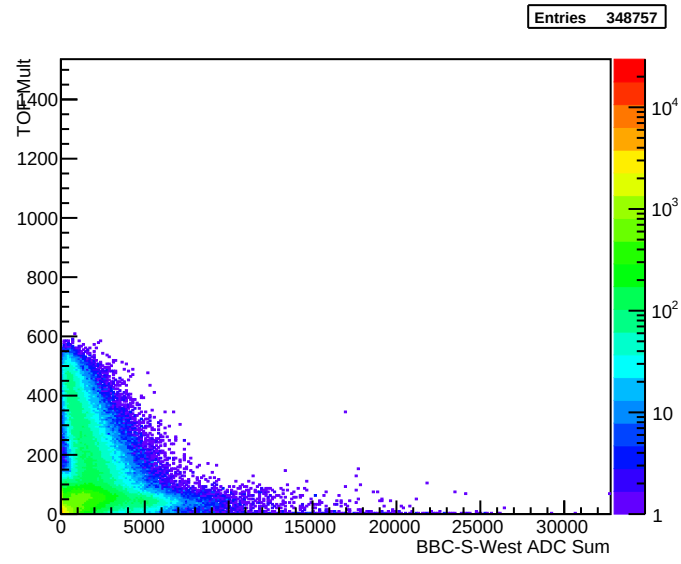

VT201 Input Ch4: VPD Tac Diff
Entries 348757
Tac

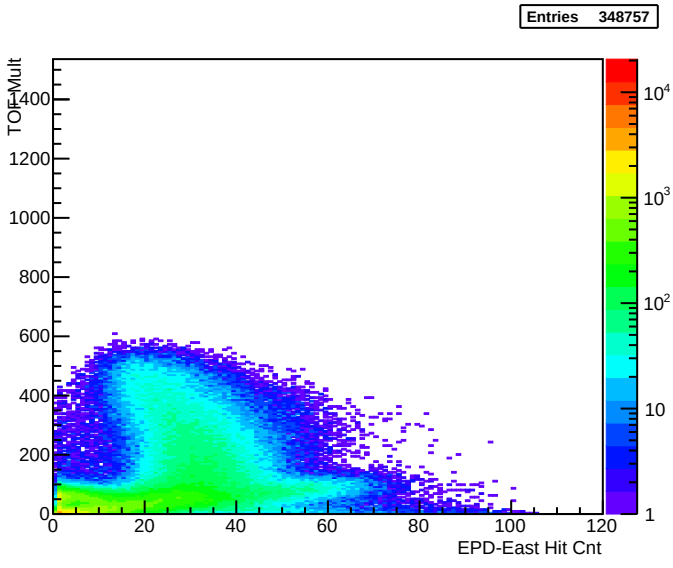

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

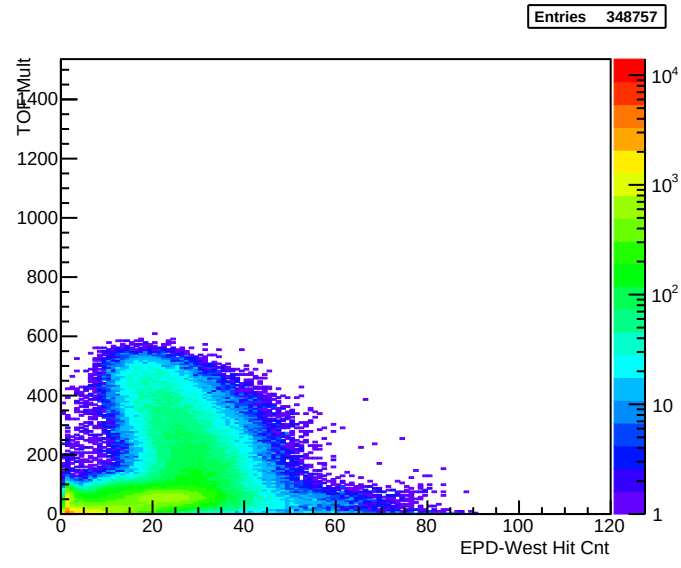

VT201 Input Ch4: VPD Adc Sum Th
Entries 697514
246021
270364
102736
78393
East
West

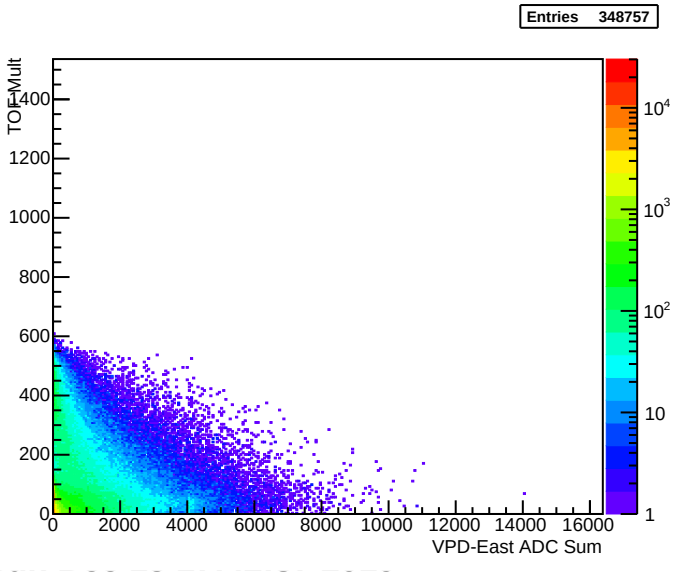

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

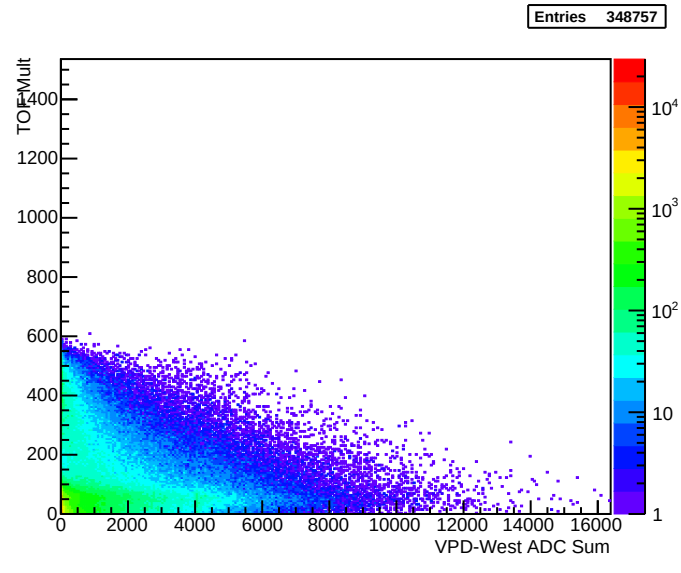

Entries 348757
TOF-Mult
BBC-S-East ADC Sum

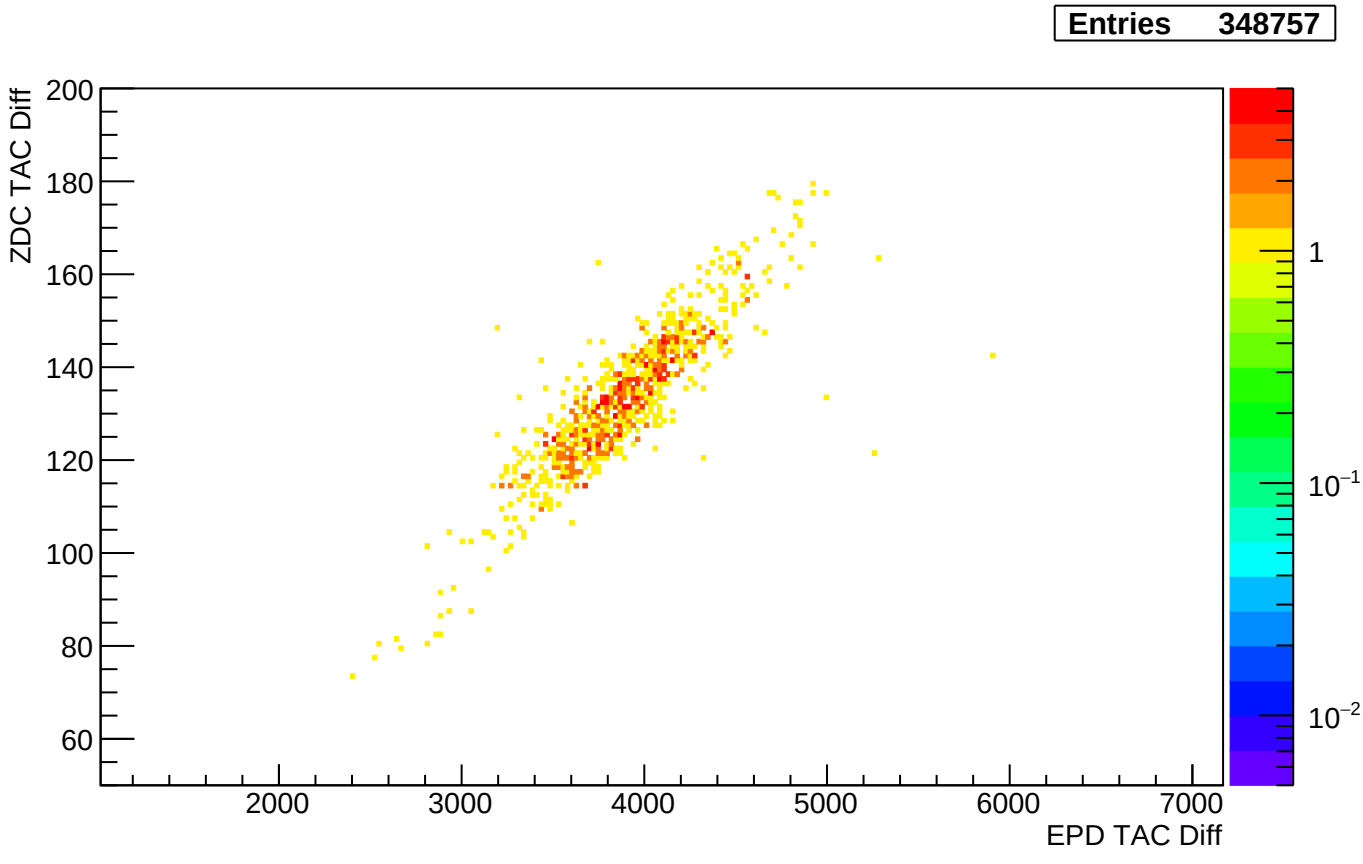

Entries 348757
TOF-Mult
BBC-S-West ADC Sum

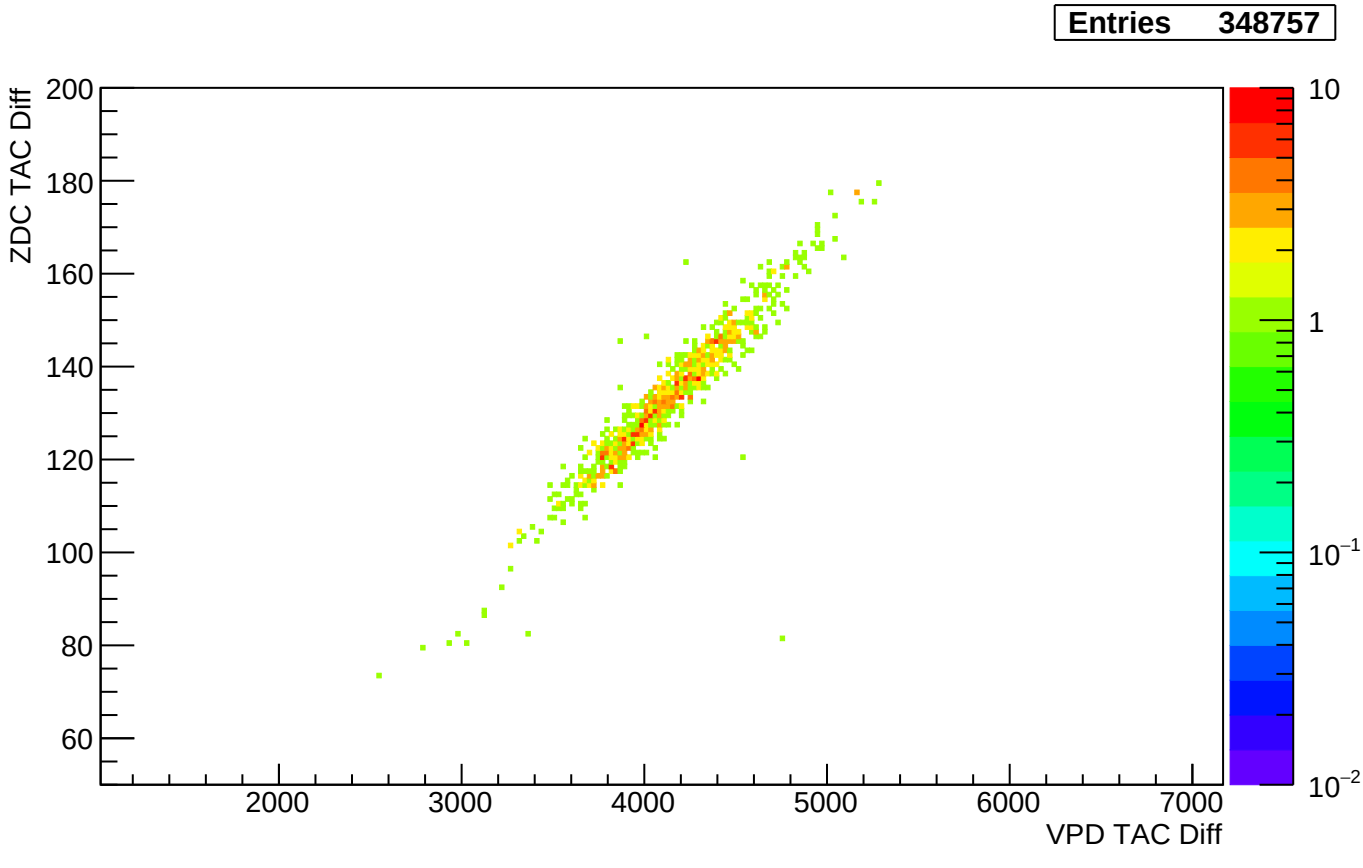

Entries 348757
TOF-Mult
EPD-East Hit Cnt

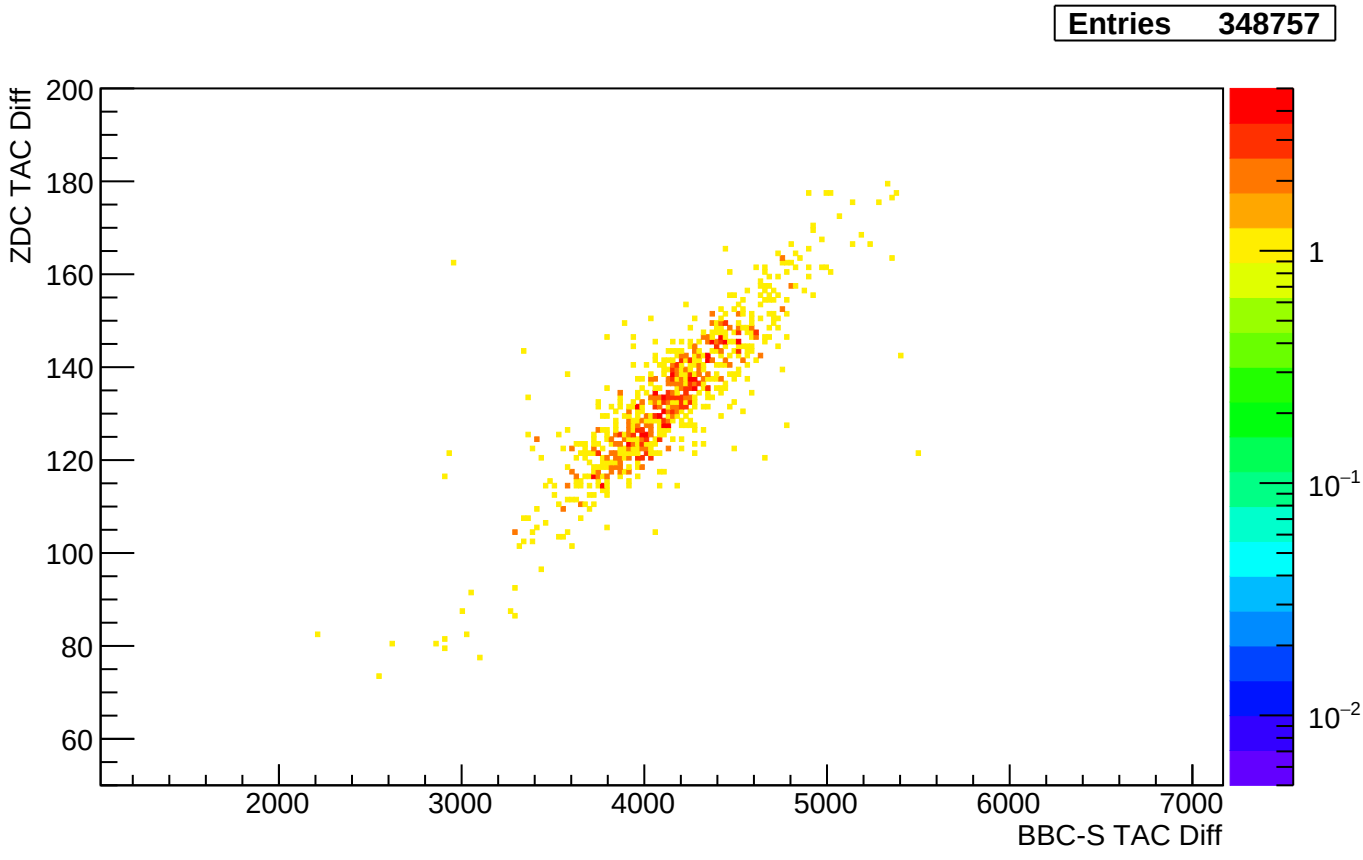

Entries 348757
TOF-Mult
EPD-West Hit Cnt

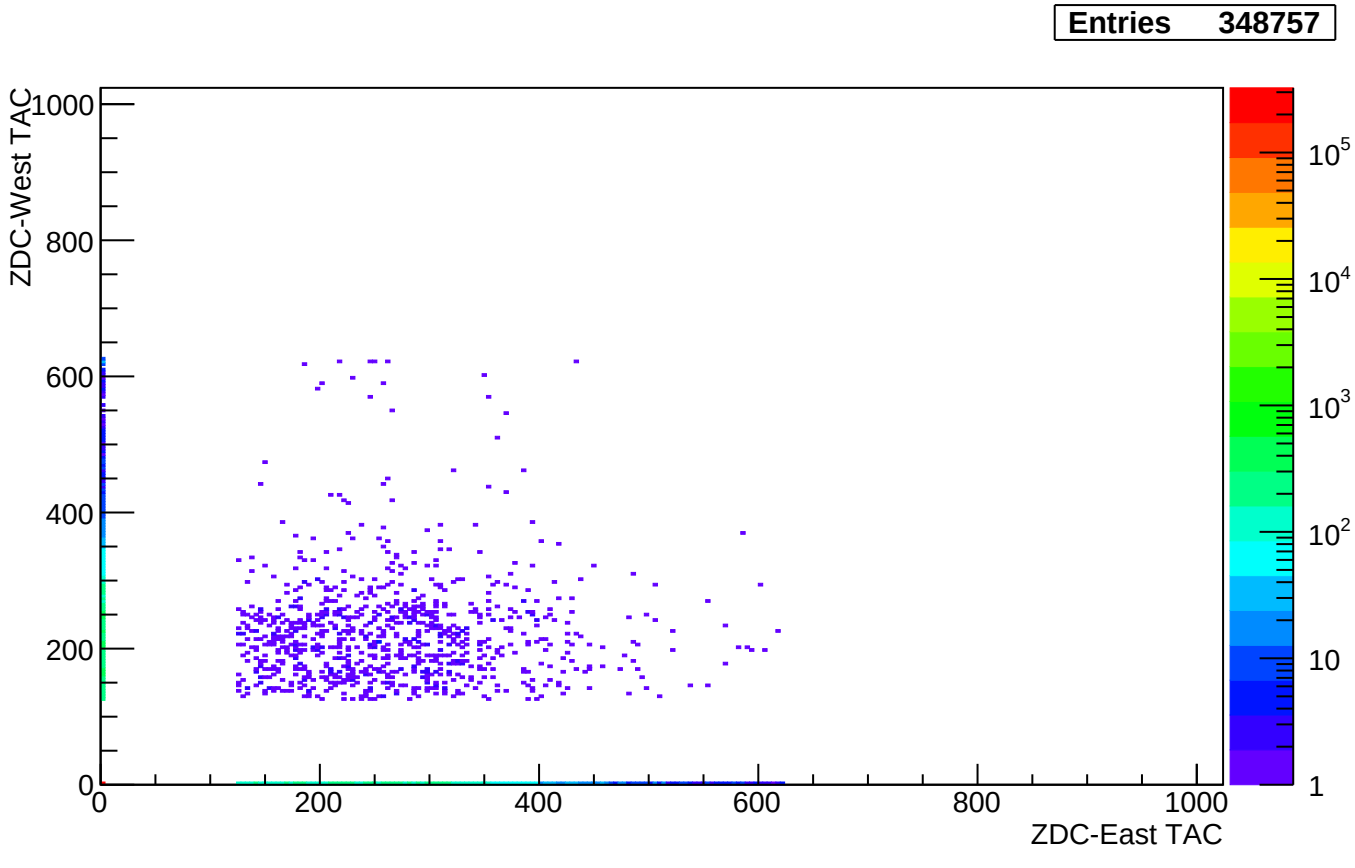

Entries 348757
TOF-Mult
VPD-East ADC Sum

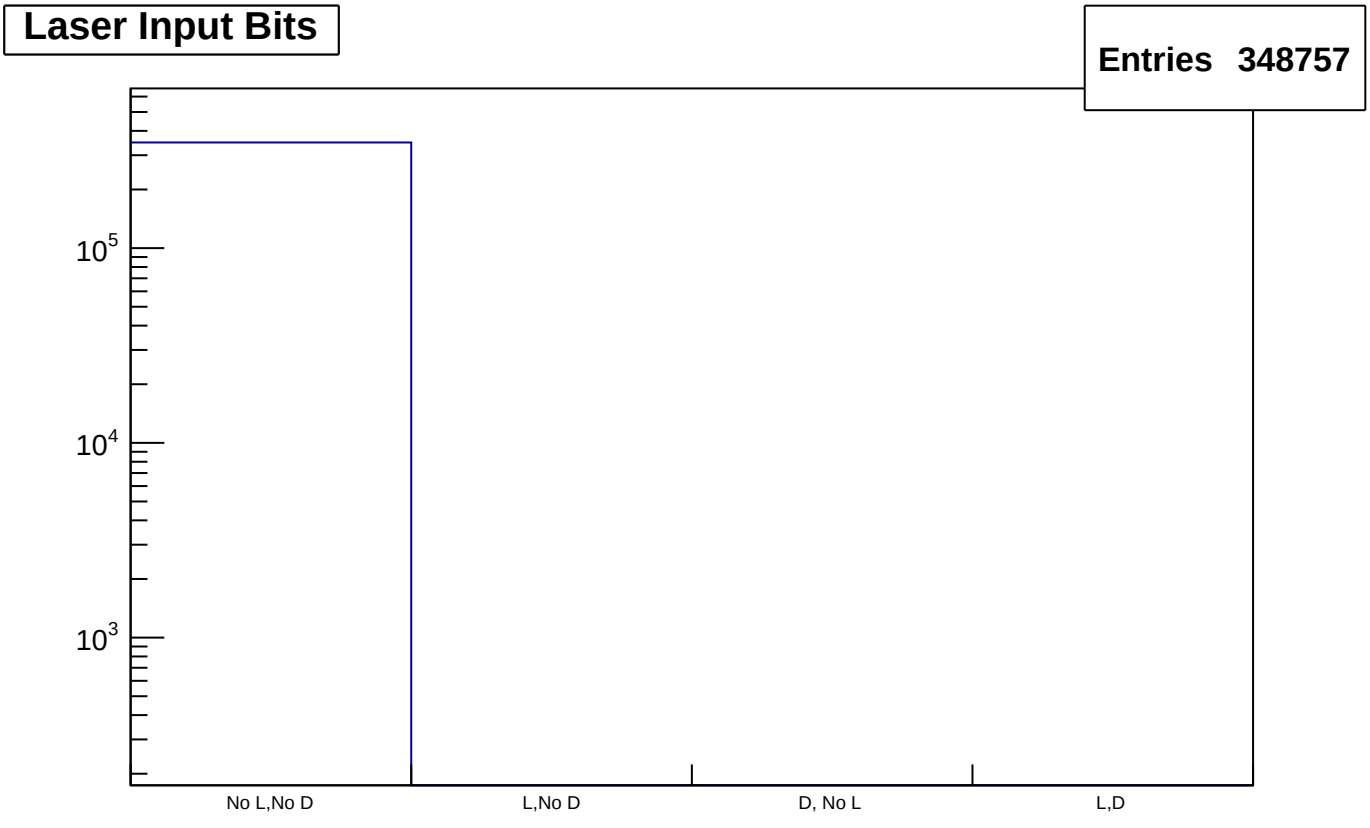

Entries 348757
TOF-Mult
VPD-West ADC Sum

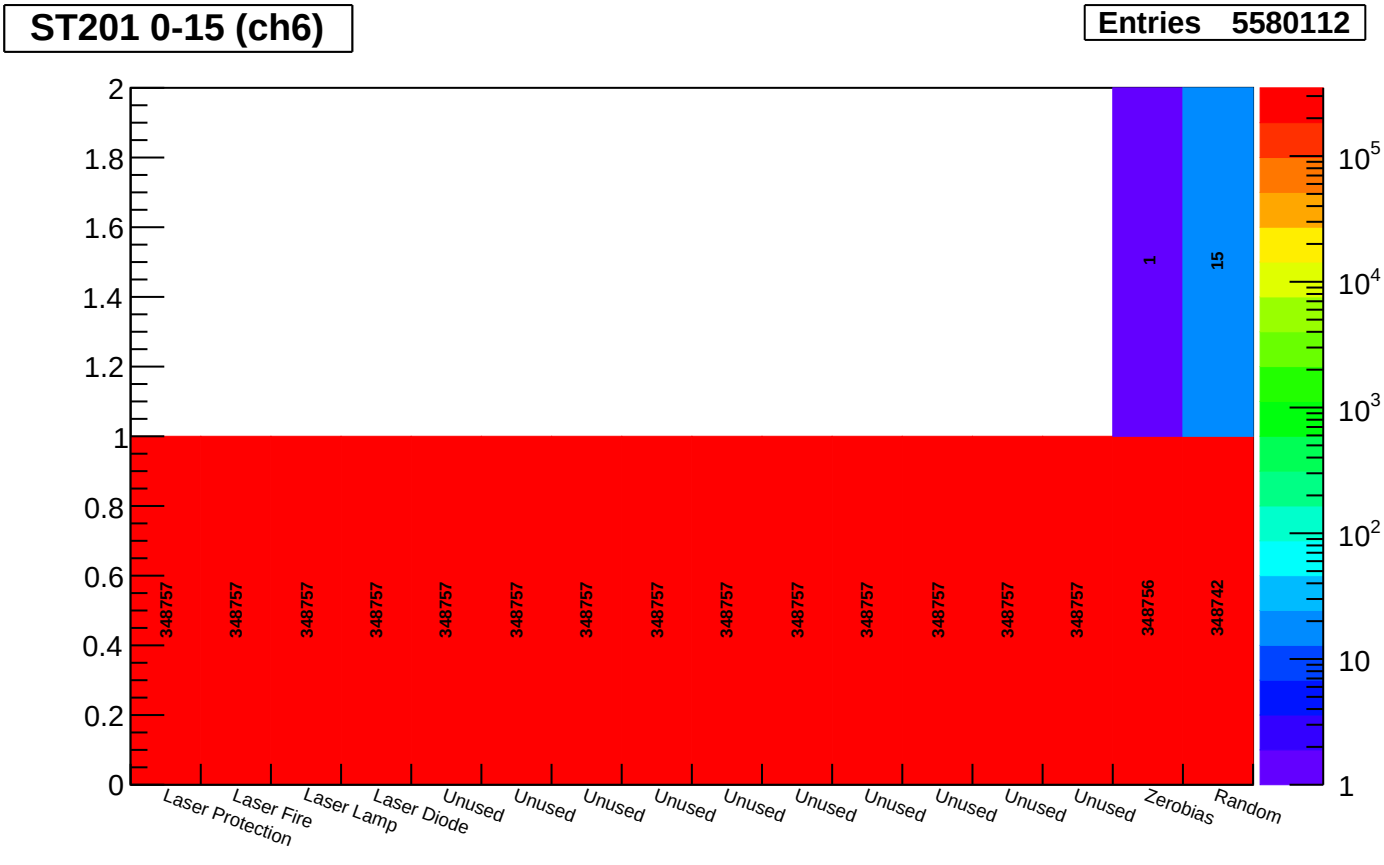

Entries 348757
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

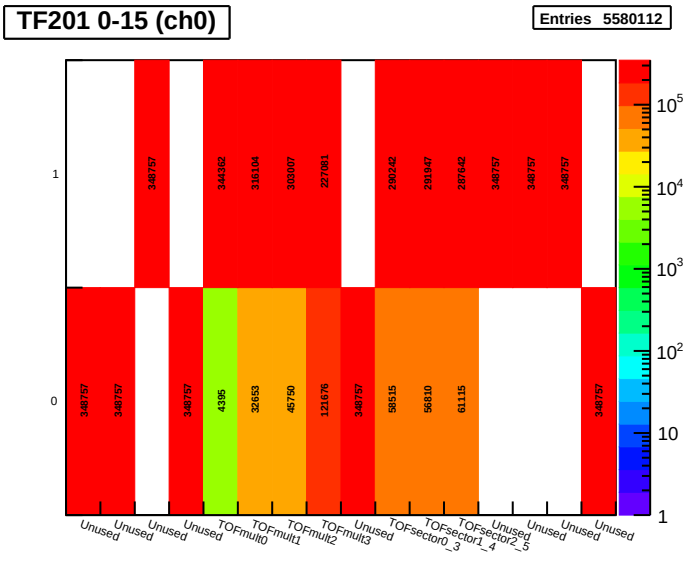

Entries 348757
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}
10^{-2}

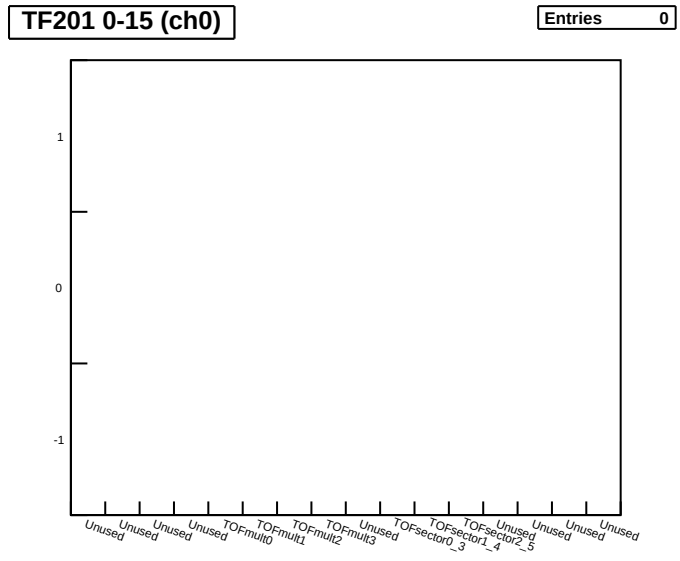

Entries 348757
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

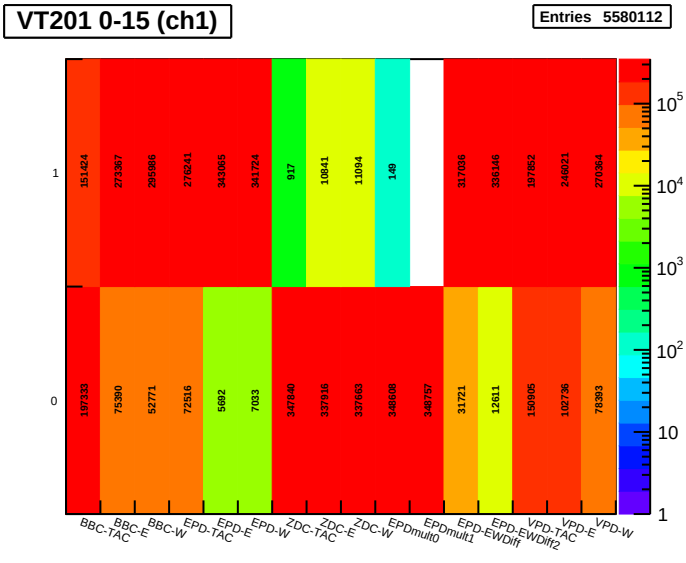

Entries 348757
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

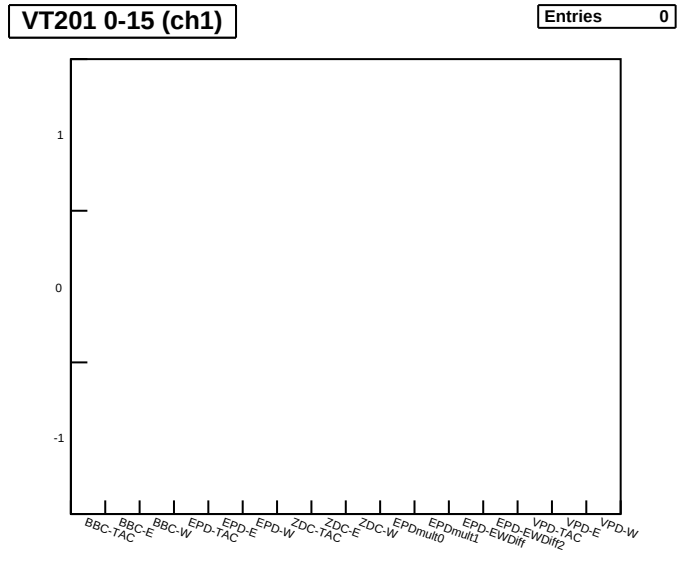

Laser Input Bits
Entries 348757
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

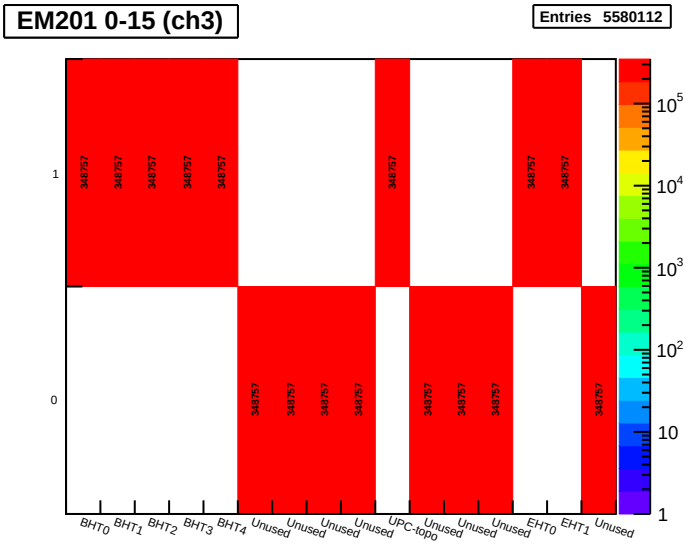

ST201 0-15 (ch6)
Entries 5580112
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348756
348742
1
15
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

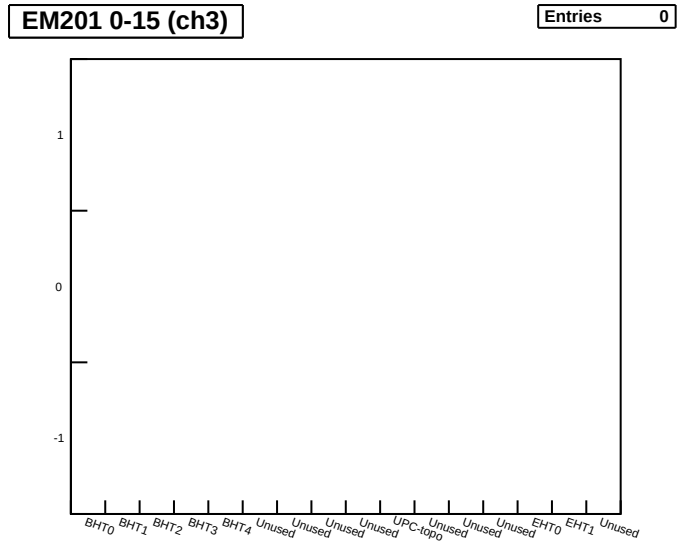

TF201 0-15 (ch0)
Entries 5580112
1
0
348757
344362
316104
303007
227081
290242
291947
287642
348757
348757
348757
348757
348757
348757
348757
4395
32653
45750
121676
348757
58515
56810
61115
348757
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10
10^2
10^3
10^4
10^5


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 5580112
1
0
151424
273357
295986
276241
343065
341724
917
10841
11094
149
317056
336146
197852
246021
270364
197333
75390
52771
72516
5692
7033
347840
337916
337663
348608
348757
31721
12611
150905
102736
78393
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
1
10
10^2
10^3
10^4
10^5


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 5580112
1
0
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
348757
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
1
10
10^2
10^3
10^4
10^5


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1