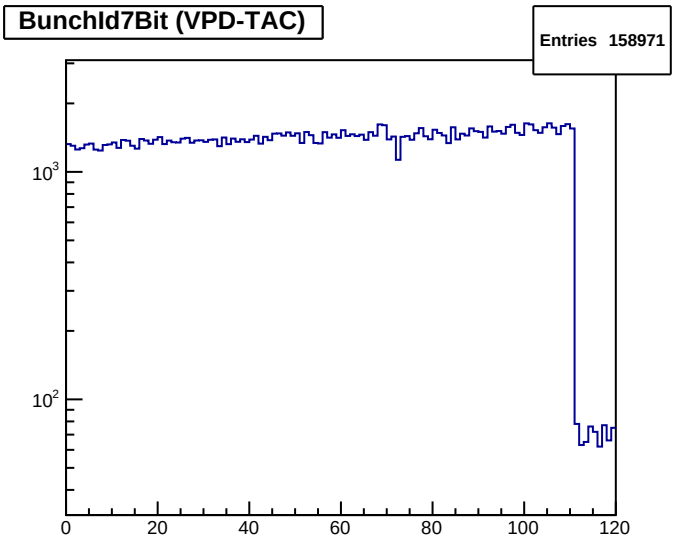
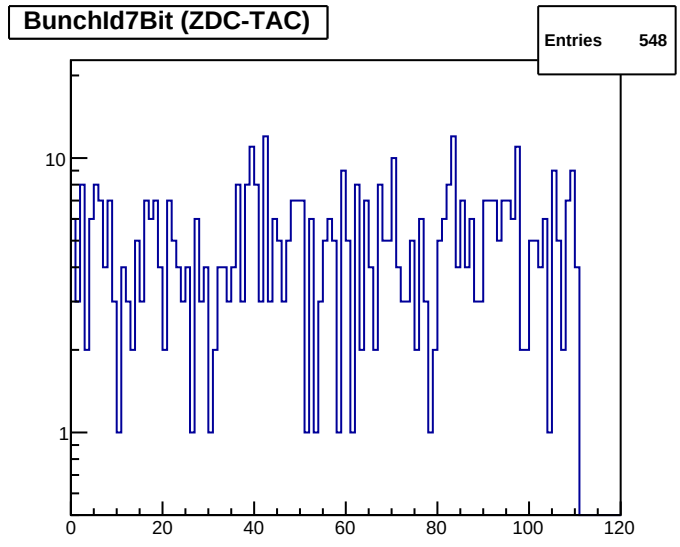
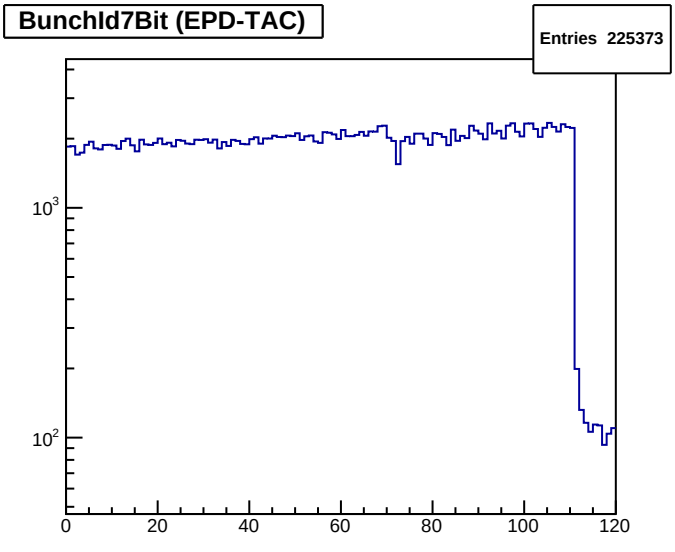
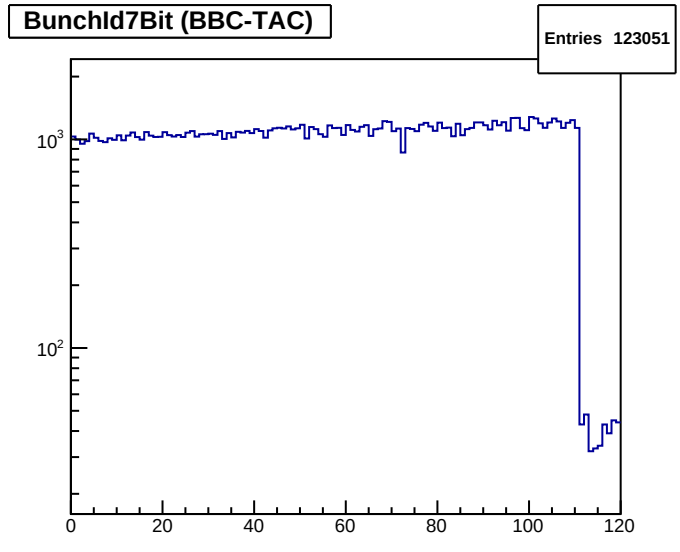
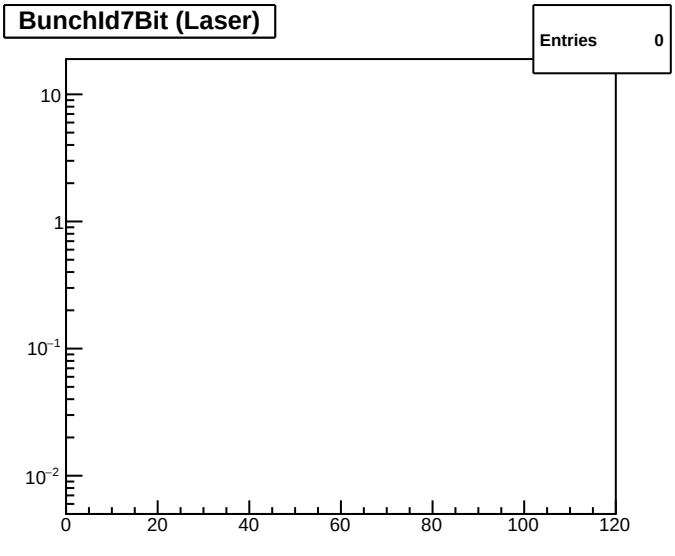
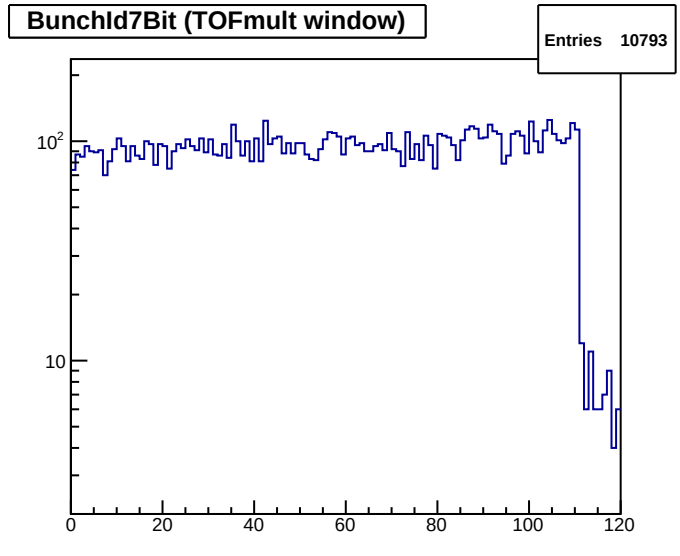

BunchId7Bit (VPD-TAC)
Entries 158971
10^3
10^2
0 20 40 60 80 100 120

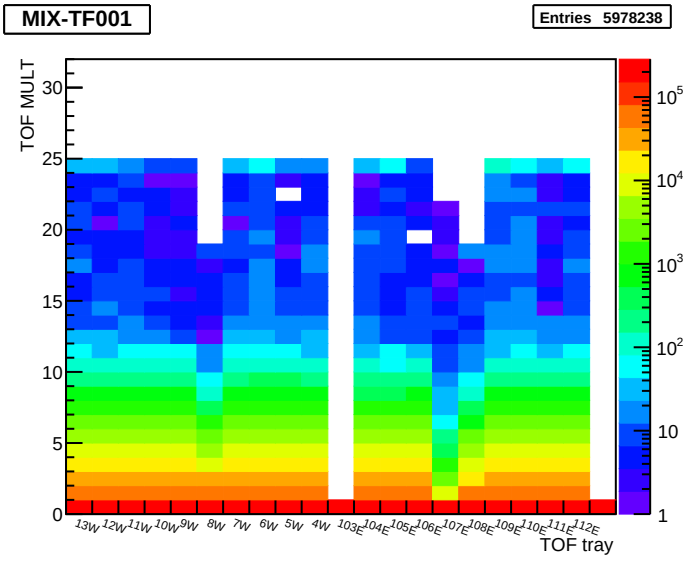

BunchId7Bit (ZDC-TAC)
Entries 548
10
1
0 20 40 60 80 100 120

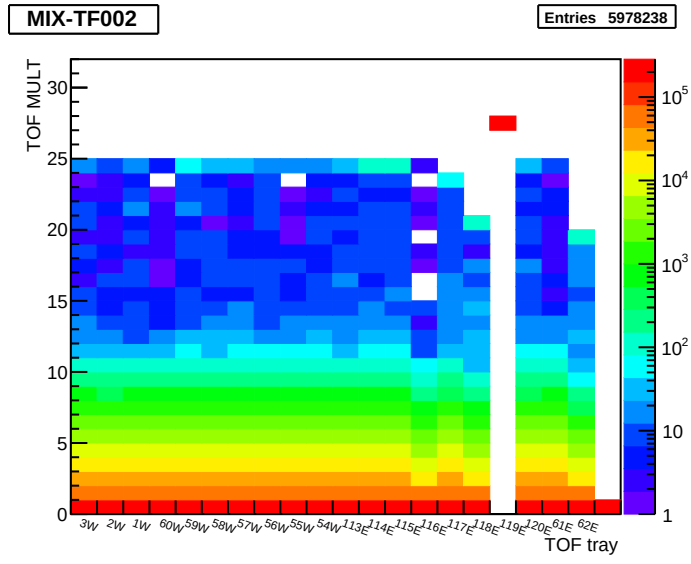

BunchId7Bit (EPD-TAC)
Entries 225373
10^3
10^2
0 20 40 60 80 100 120

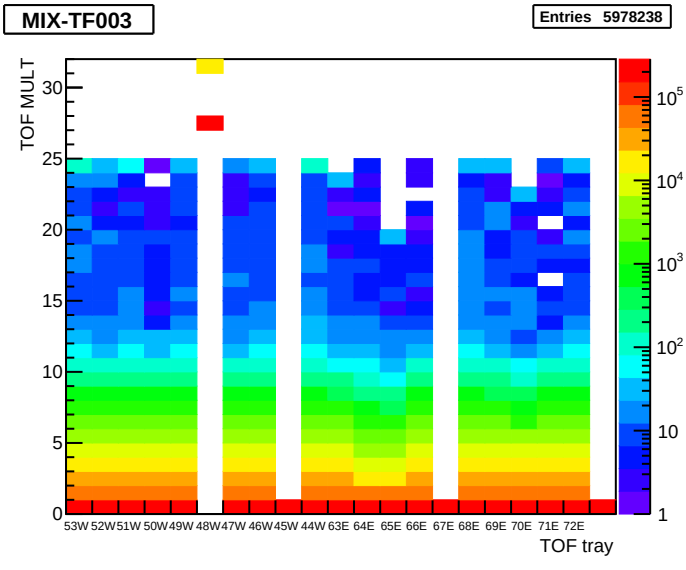

BunchId7Bit (BBC-TAC)
Entries 123051
10^3
10^2
0 20 40 60 80 100 120

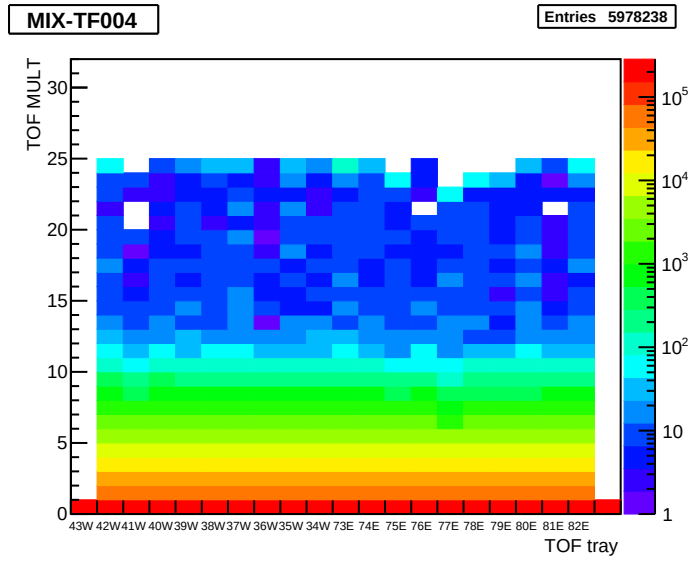

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

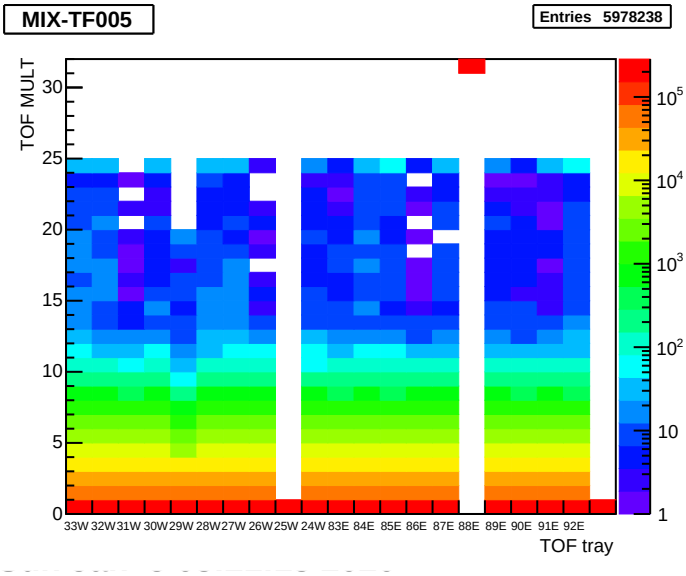

BunchId7Bit (TOFmult window)
Entries 10793
10^2
10
0 20 40 60 80 100 120

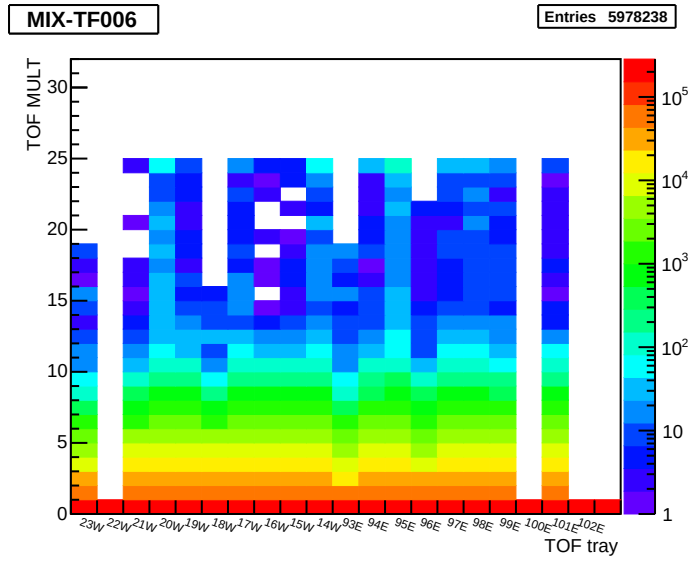

MIX-TF001
Entries 5978238
TOF MULT
TOF tray

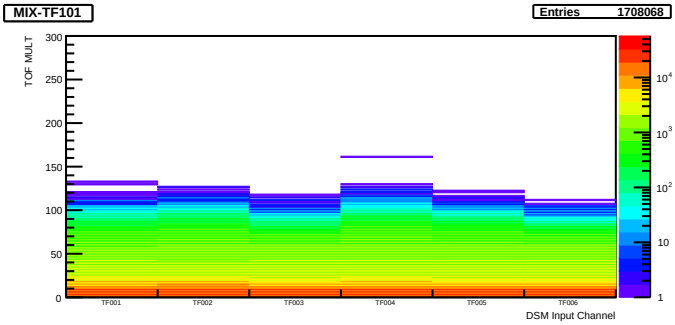

MIX-TF002
Entries 5978238
TOF MULT
TOF tray

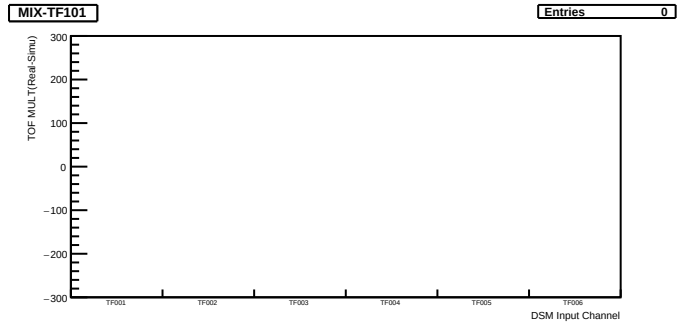

MIX-TF003
Entries 5978238
TOF MULT
TOF tray

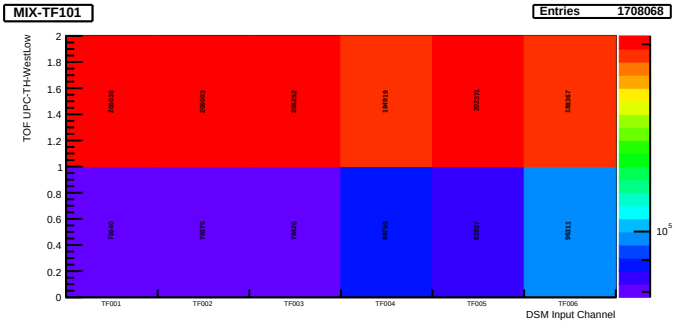

MIX-TF004
Entries 5978238
TOF MULT
TOF tray

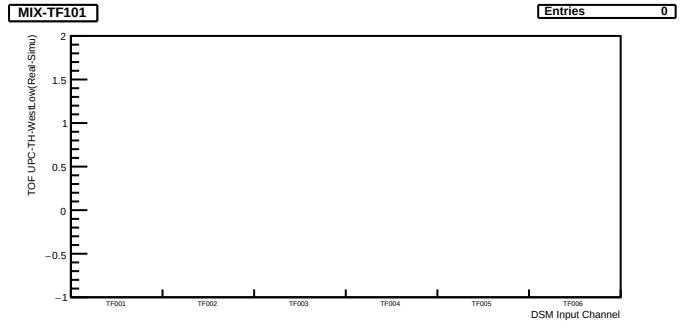

MIX-TF005
Entries 5978238
TOF MULT
TOF tray

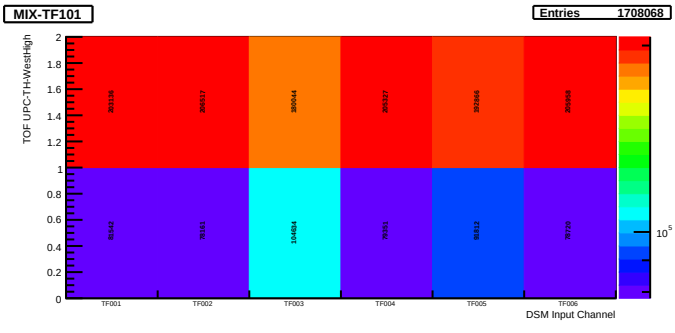

MIX-TF006
Entries 5978238
TOF MULT
TOF tray

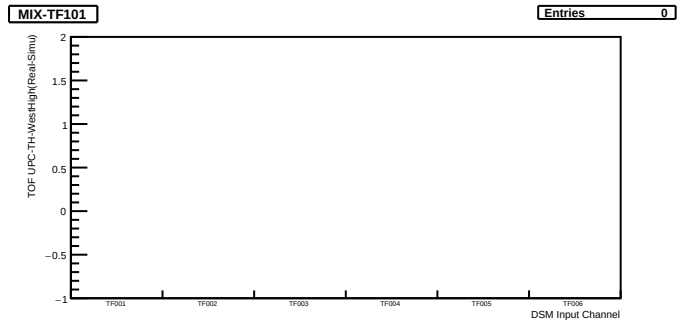

MIX-TF101
Entries 1708068
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

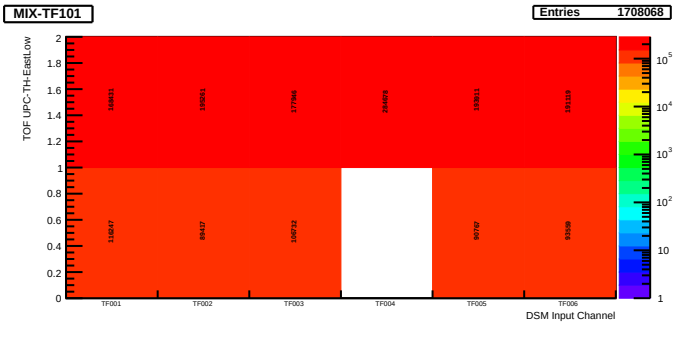

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

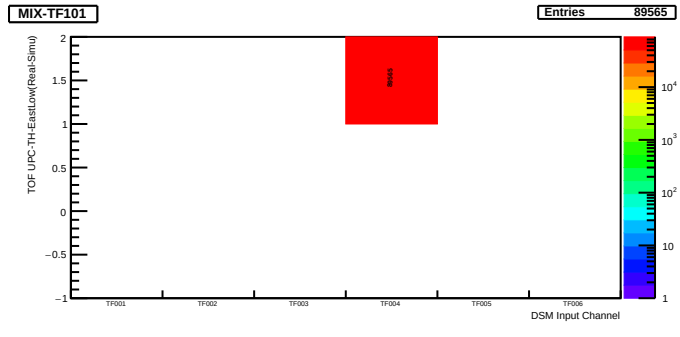

MIX-TF101
Entries 1708068
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

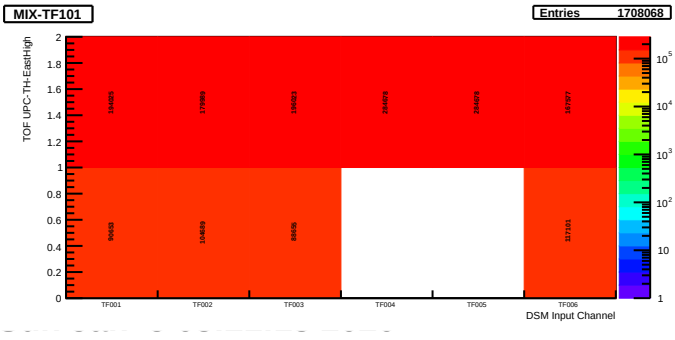

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

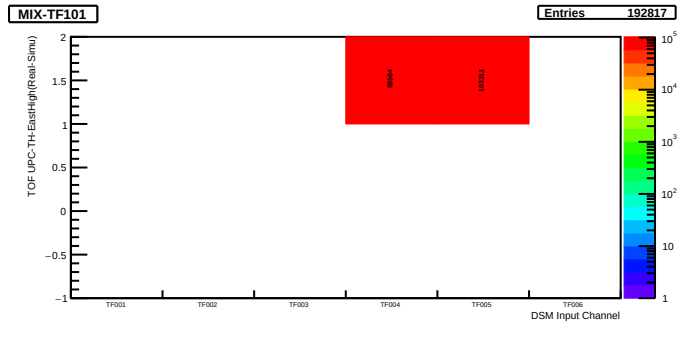

MIX-TF101
Entries 1708068
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

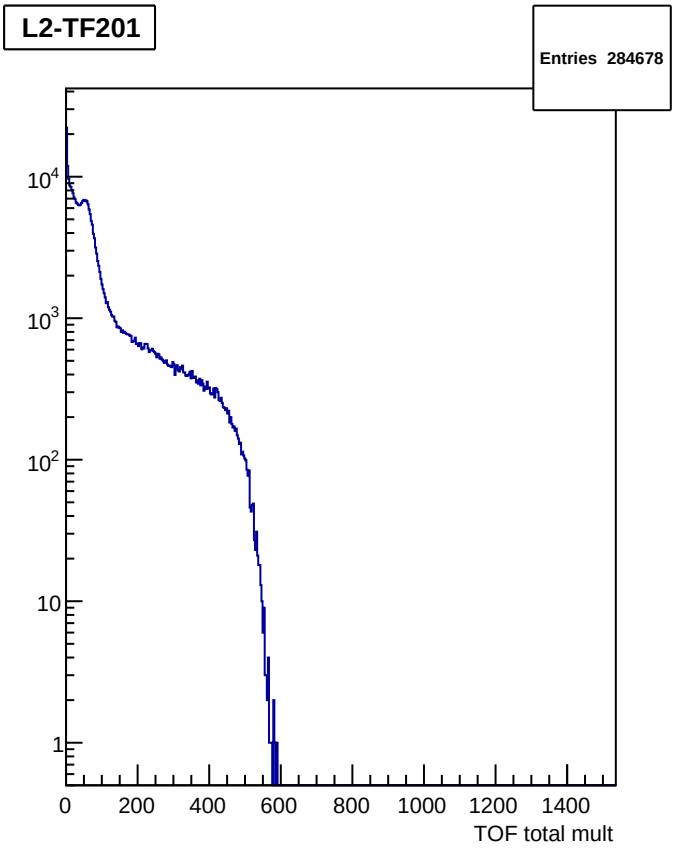

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

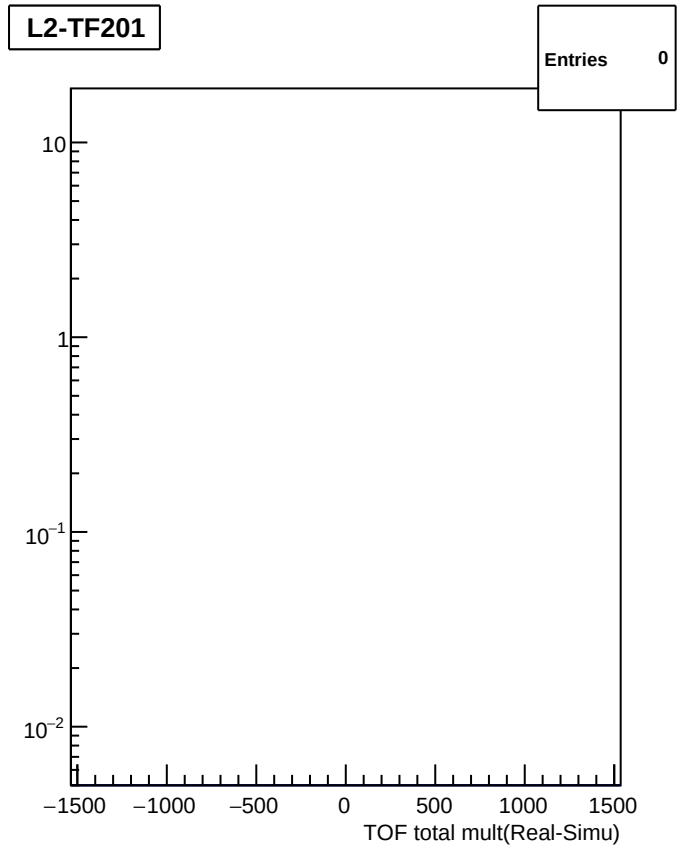

MIX-TF101
Entries 1708068
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

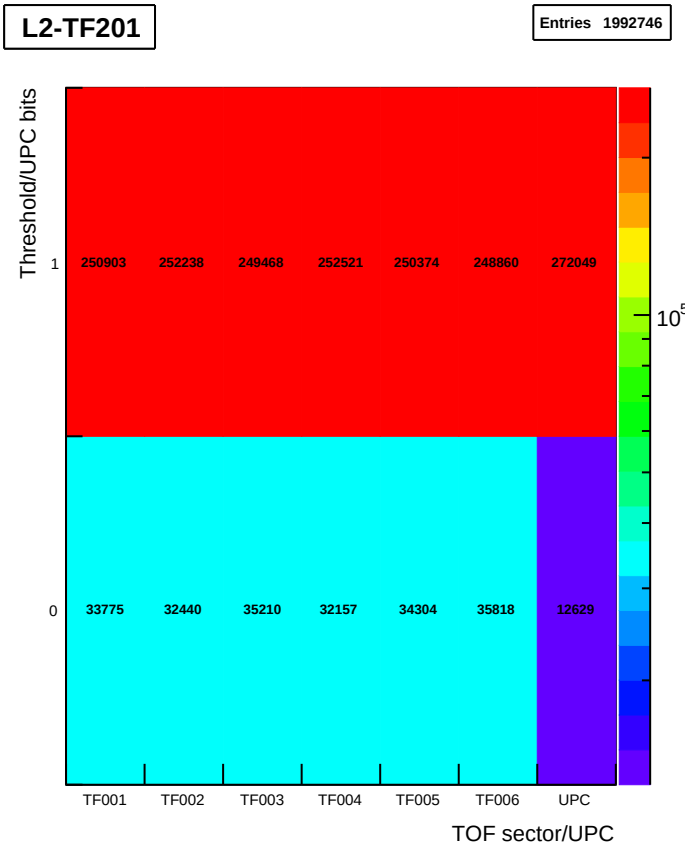

MIX-TF101
Entries 89565
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

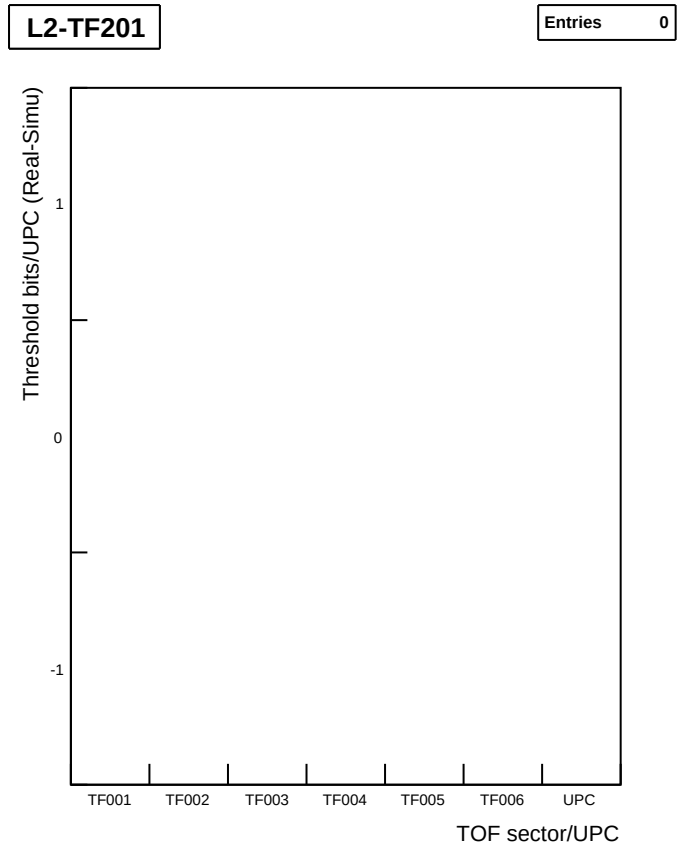

MIX-TF101
Entries 1708068
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

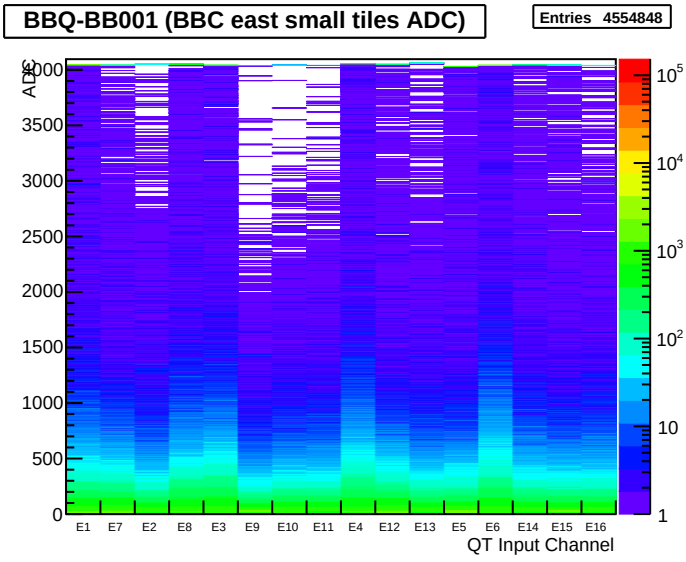

MIX-TF101
Entries 192817
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

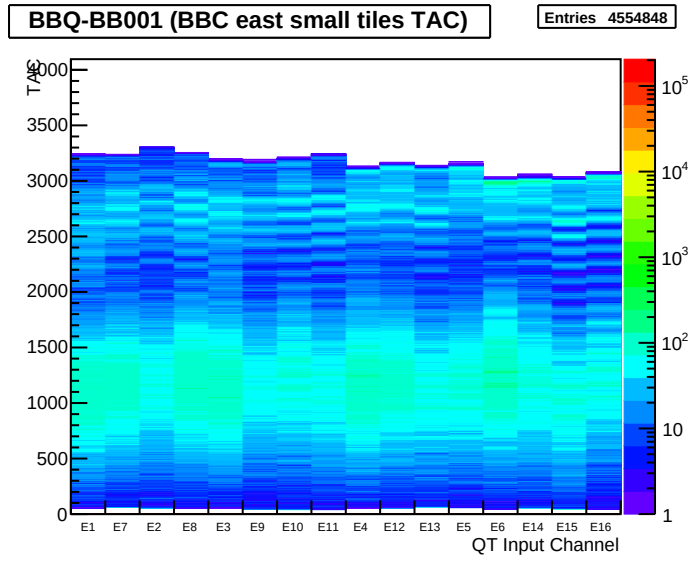

L2-TF201
Entries 284678
TOF total mult

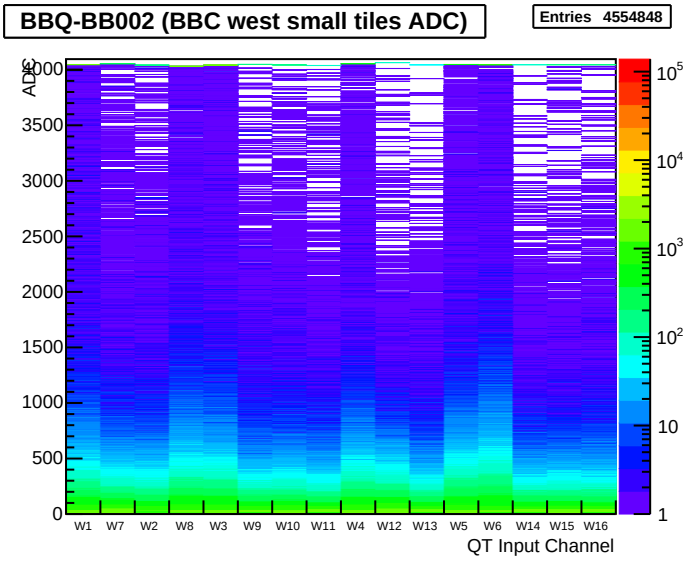

L2-TF201
Entries 0
TOF total mult(Real-Simu)

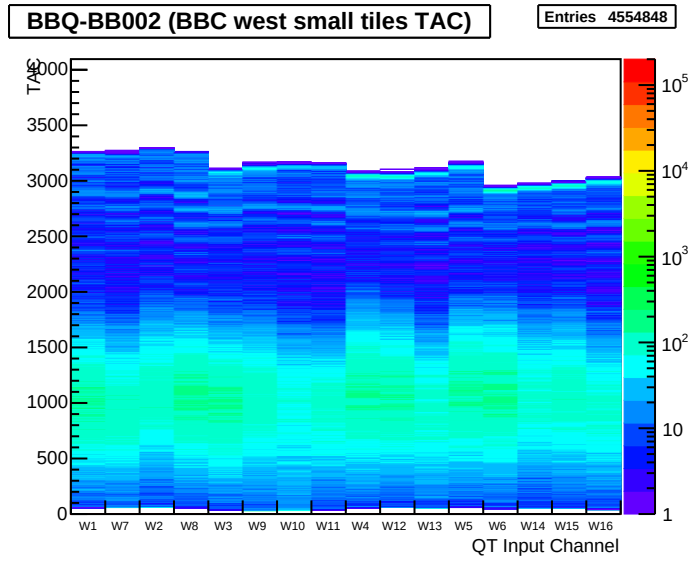

L2-TF201
Entries 1992746
Threshold/UPC bits
250903
252238
249468
252521
250374
248860
272049
33775
32440
35210
32157
34304
35818
12629
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

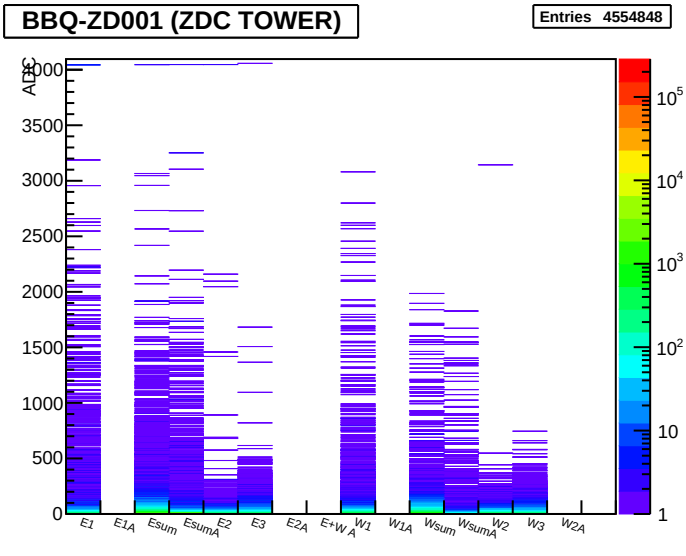

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

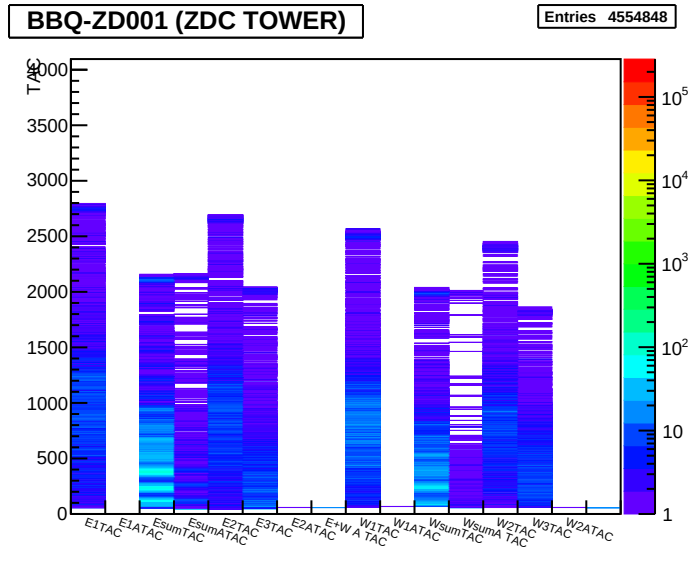

BBQ-BB001 (BBC east small tiles ADC)
Entries 4554848
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

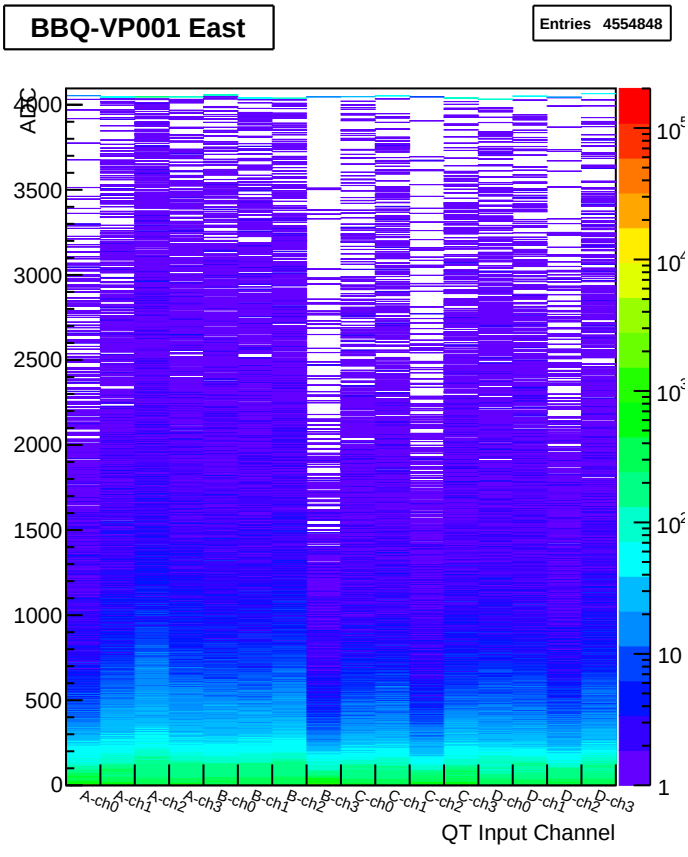

BBQ-BB001 (BBC east small tiles TAC)
Entries 4554848
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

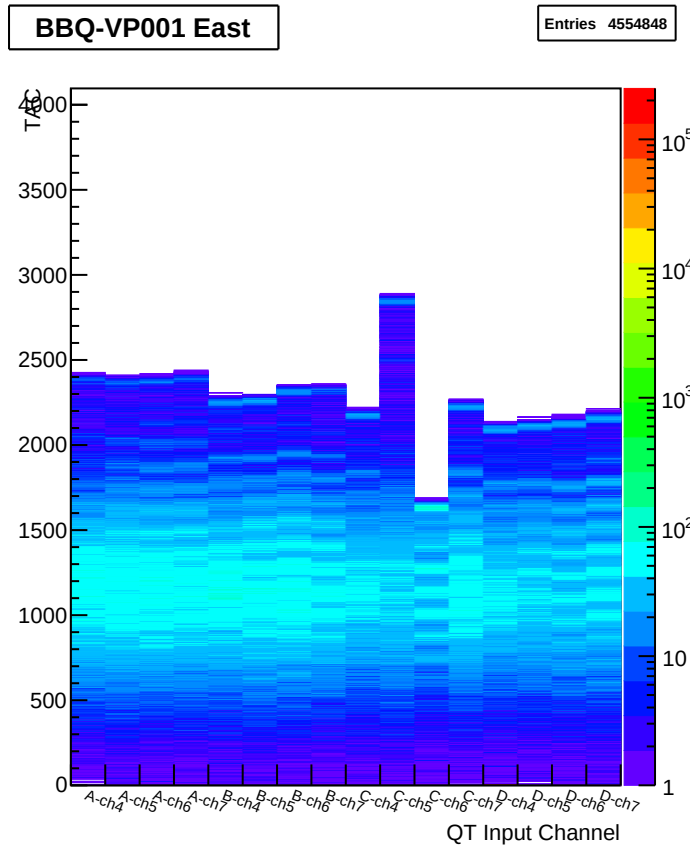

BBQ-BB002 (BBC west small tiles ADC)
Entries 4554848
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

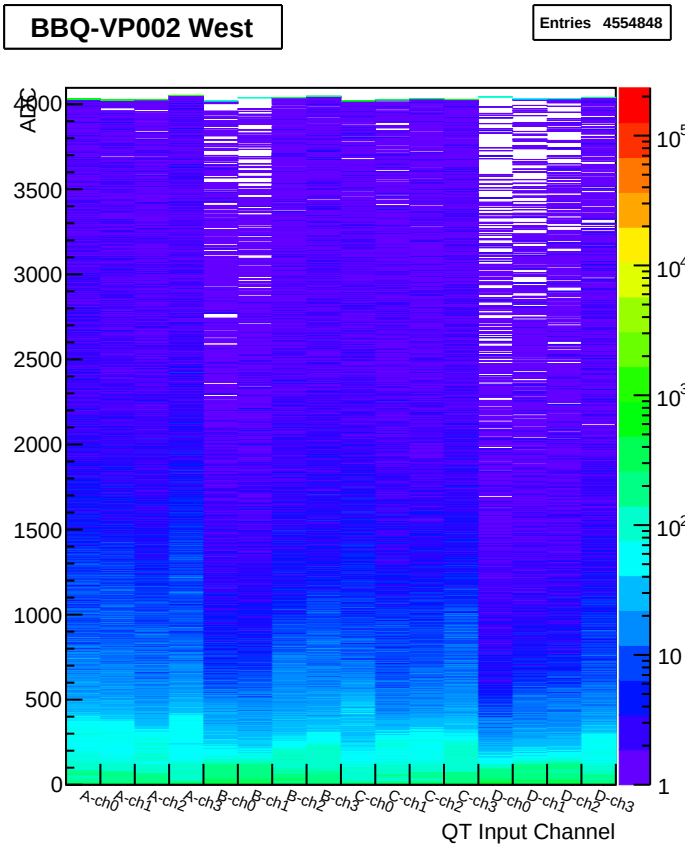

BBQ-BB002 (BBC west small tiles TAC)
Entries 4554848
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

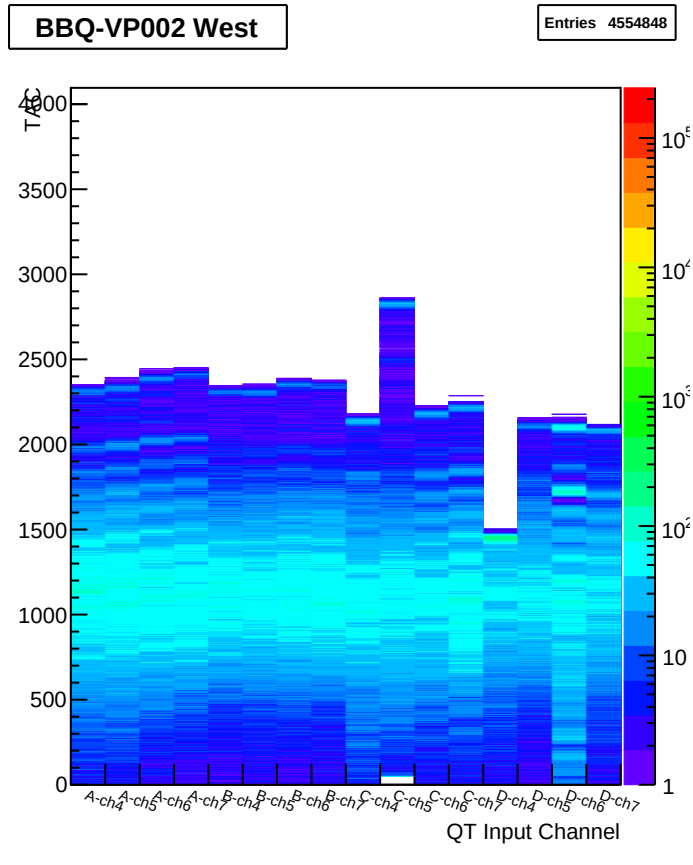

BBQ-ZD001 (ZDC TOWER)
Entries 4554848
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

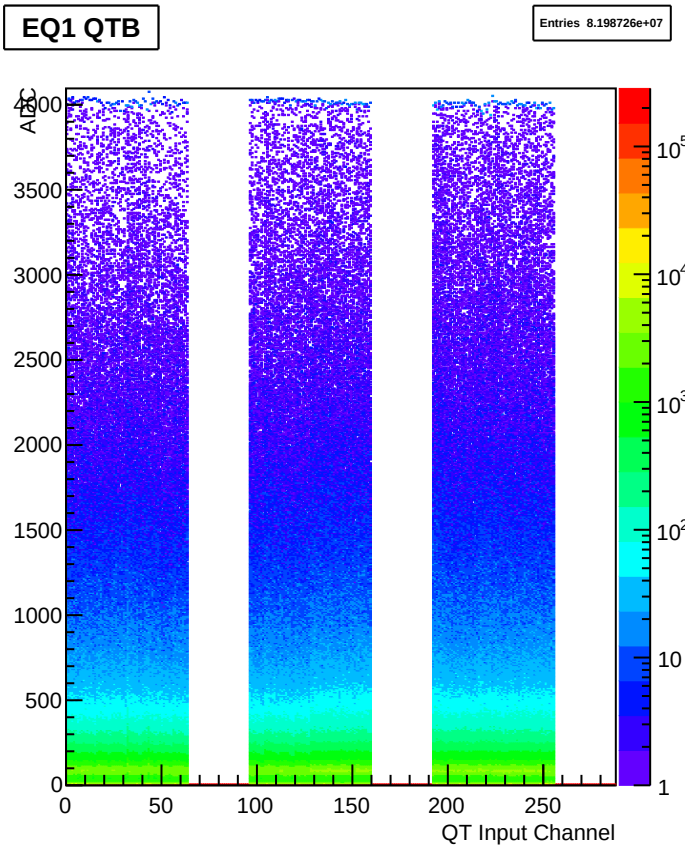

BBQ-ZD001 (ZDC TOWER)
Entries 4554848
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

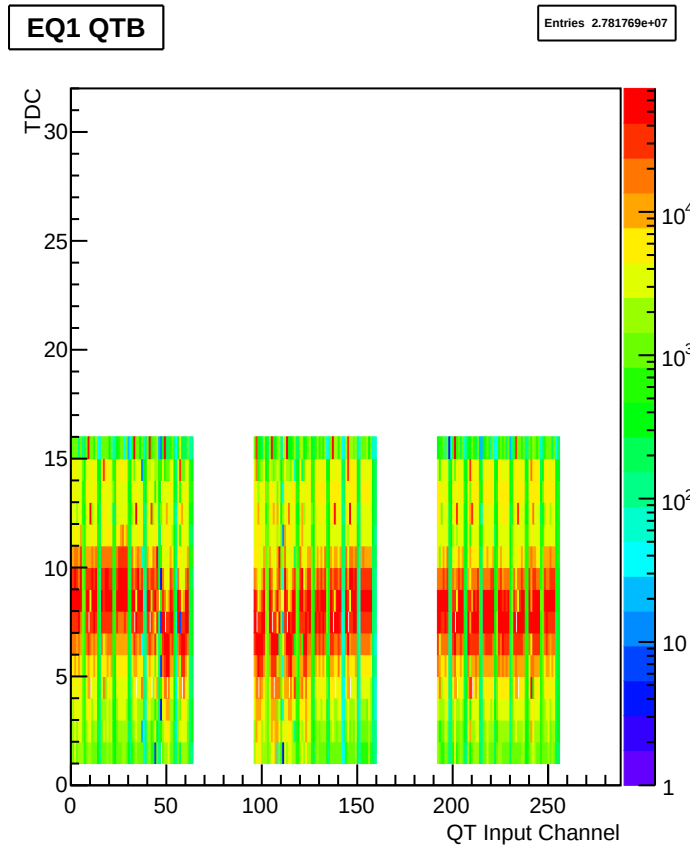

BBQ-VP001 East
Entries 4554848
ADC
QT Input Channel

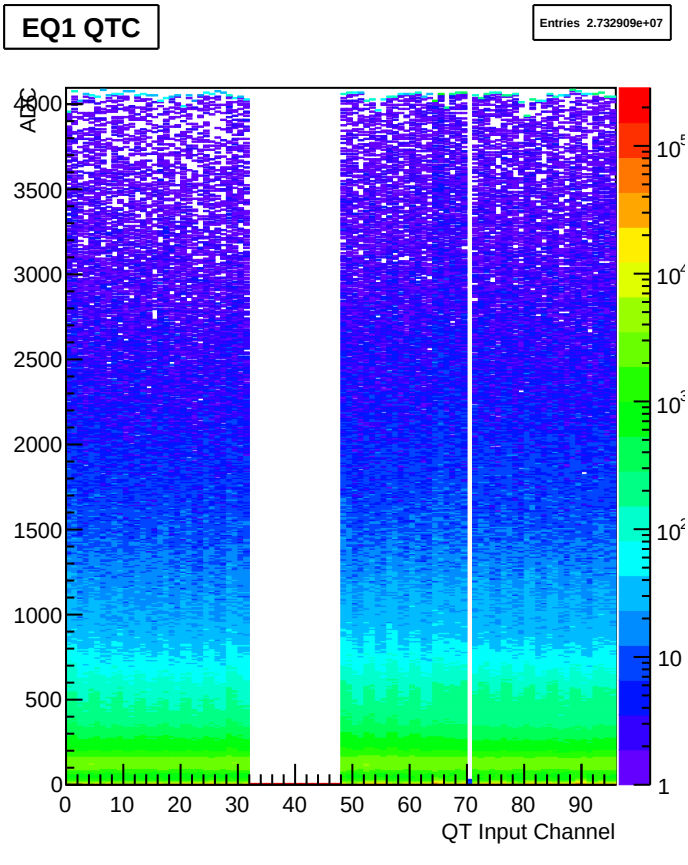

BBQ-VP001 East
Entries 4554848
TADC
QT Input Channel

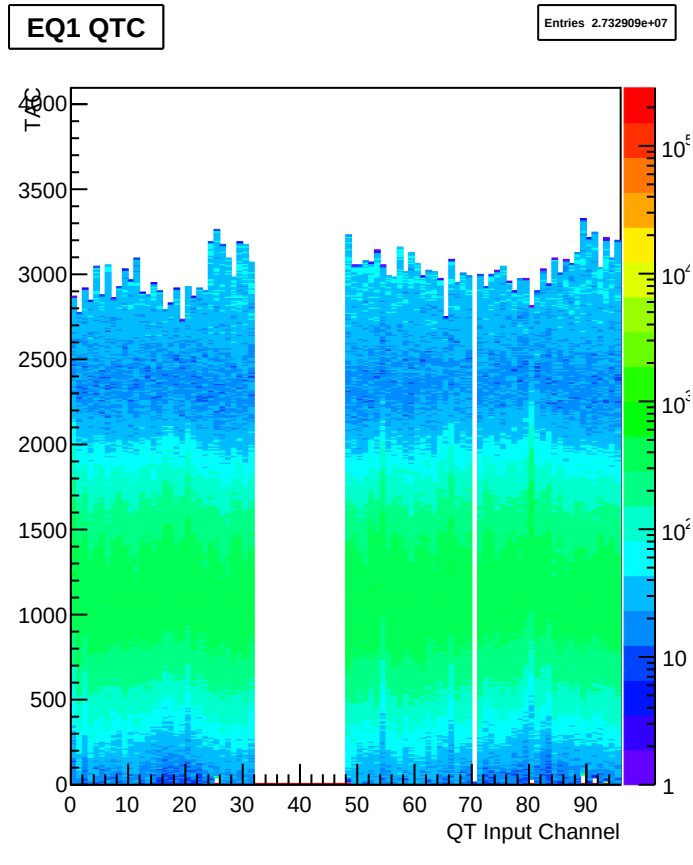

BBQ-VP002 West
Entries 4554848
ADC
QT Input Channel

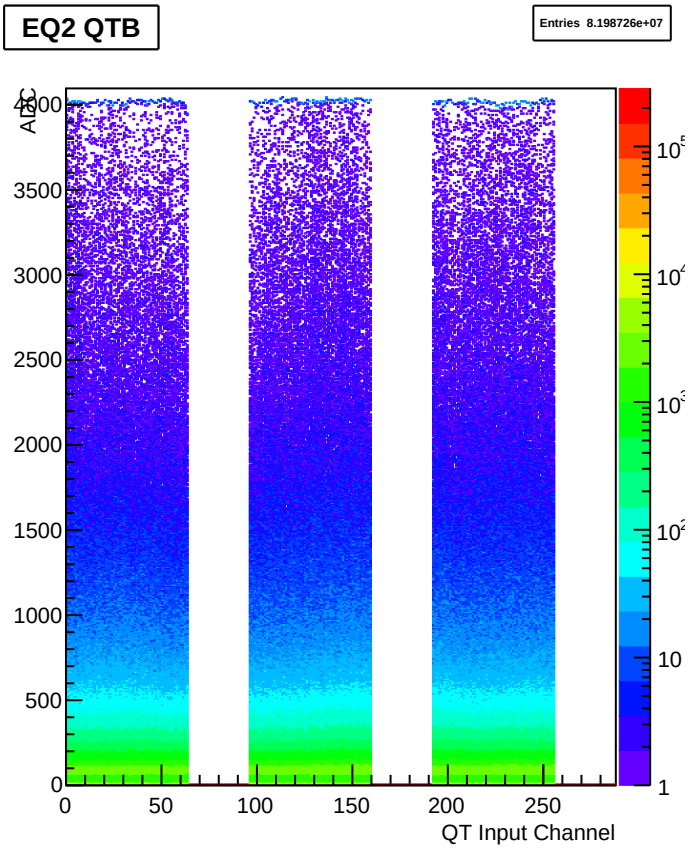

BBQ-VP002 West
Entries 4554848
TADC
QT Input Channel

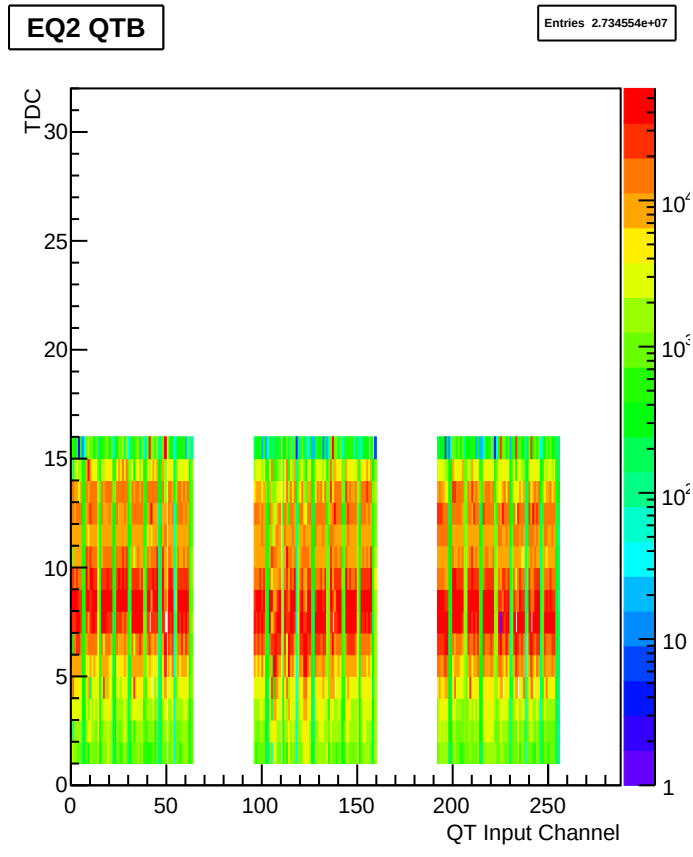

EQ1 QTB
Entries 8.198726e+07
ADC
QT Input Channel

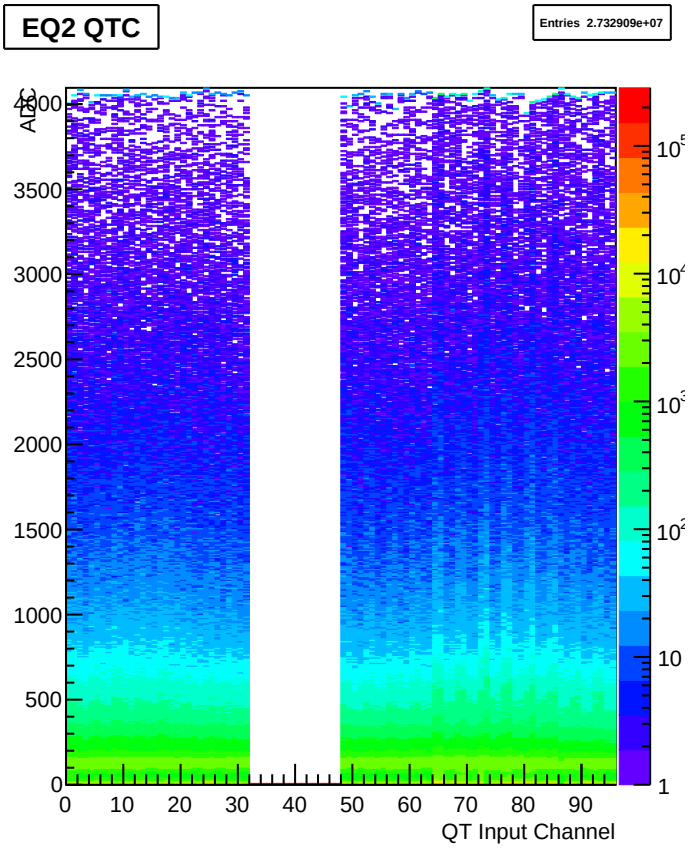

EQ1 QTB
Entries 2.781769e+07
TDC
QT Input Channel

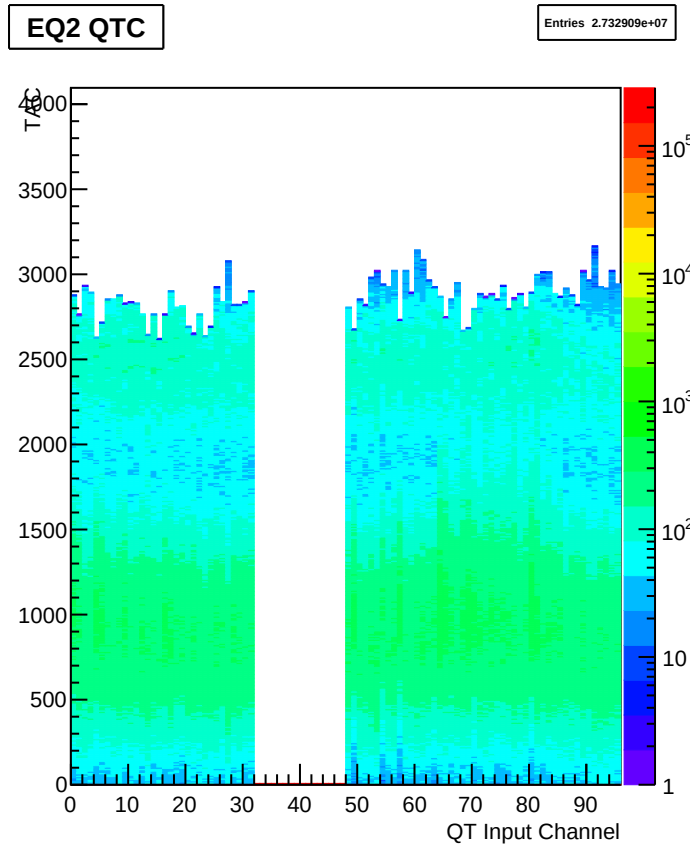

EQ1 QTC
Entries 2.732909e+07
ADC
QT Input Channel

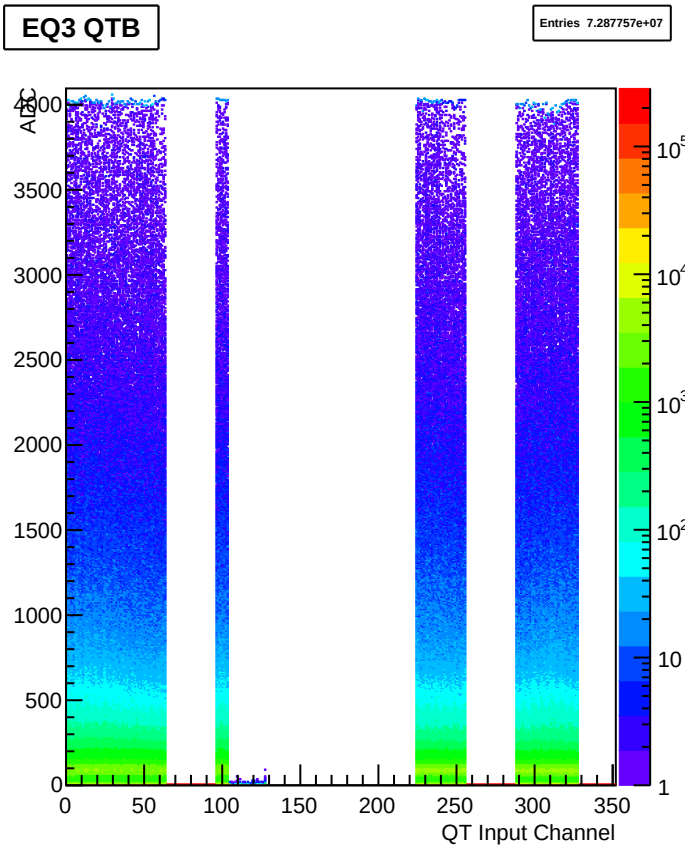

EQ1 QTC
Entries 2.732909e+07
TADC
QT Input Channel

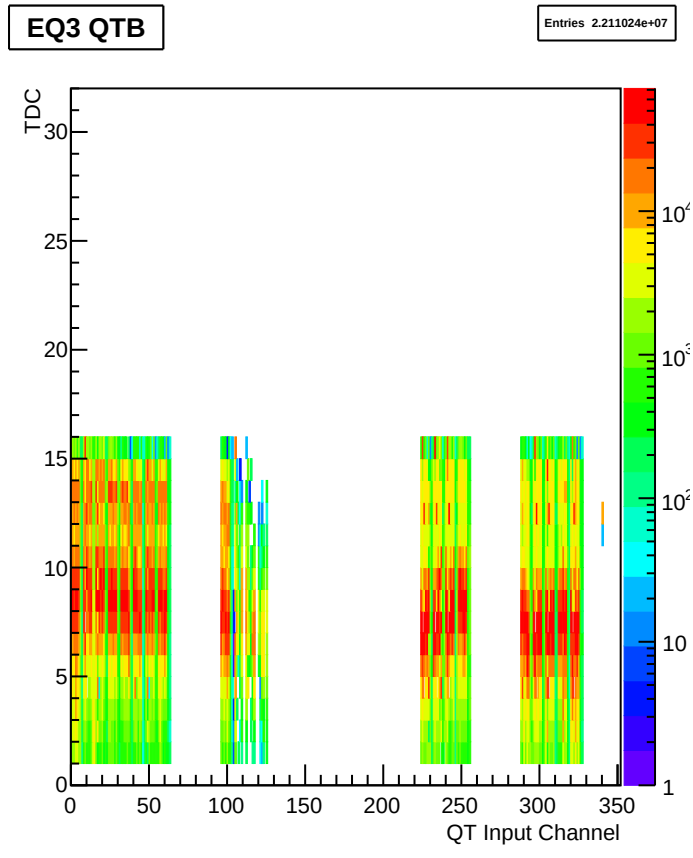

EQ2 QTB
Entries 8.198726e+07
ADC
QT Input Channel

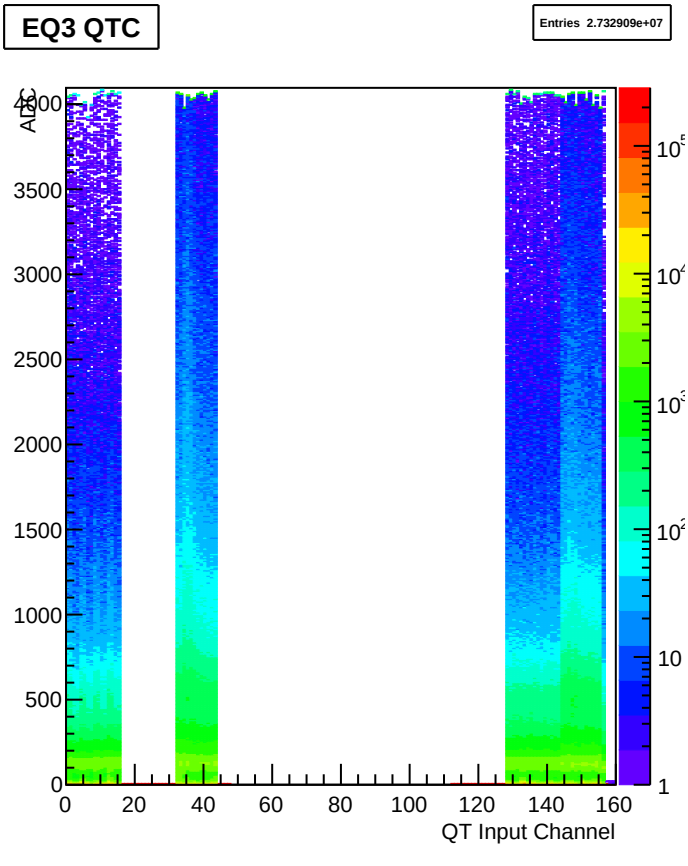

EQ2 QTB
Entries 2.734554e+07
TDC
QT Input Channel

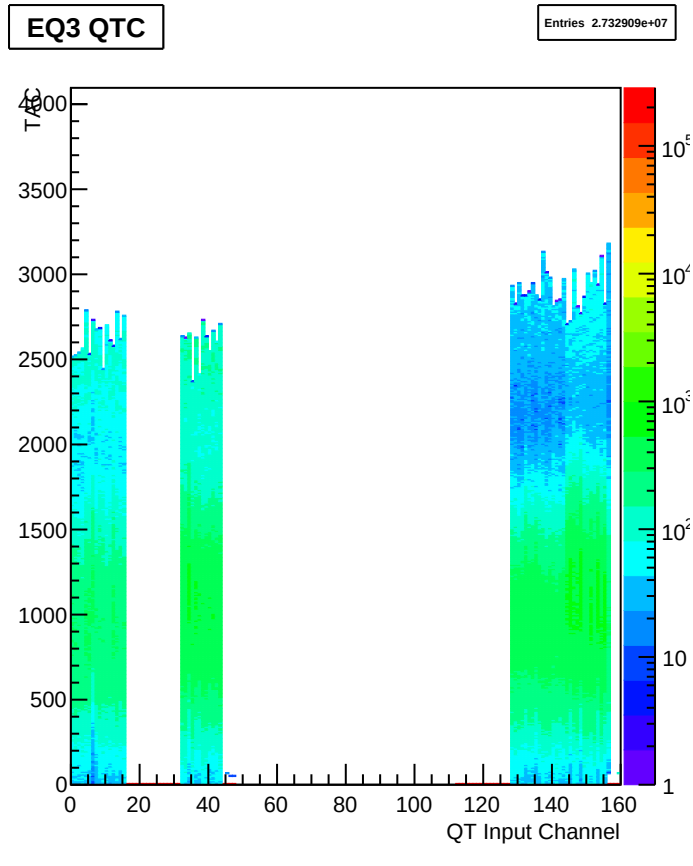

EQ2 QTC
Entries 2.732909e+07
ADC
QT Input Channel

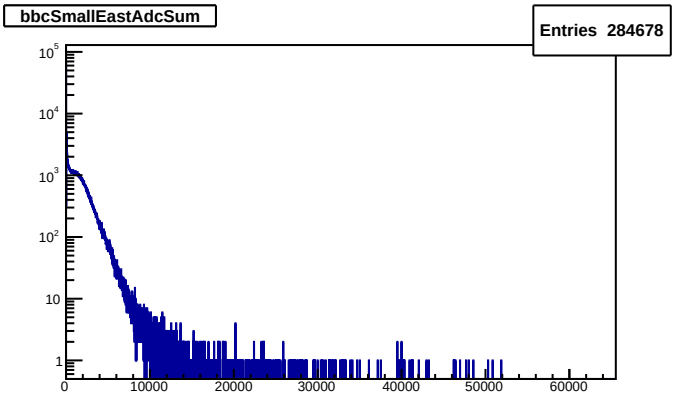

EQ2 QTC
Entries 2.732909e+07
TADC
QT Input Channel

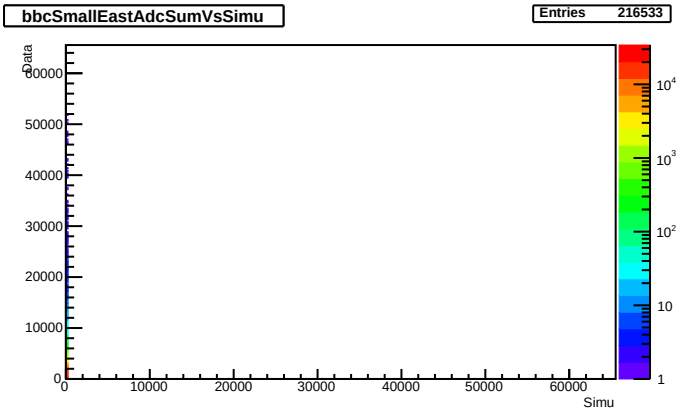

EQ3 QTB
Entries 7.287757e+07
ADC
QT Input Channel

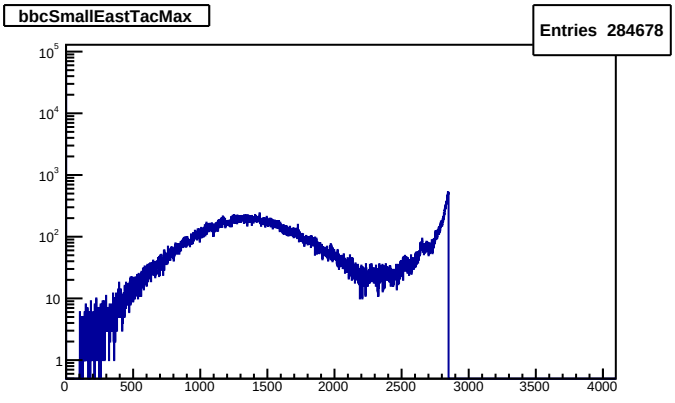

EQ3 QTB
Entries 2.211024e+07
TDC
QT Input Channel

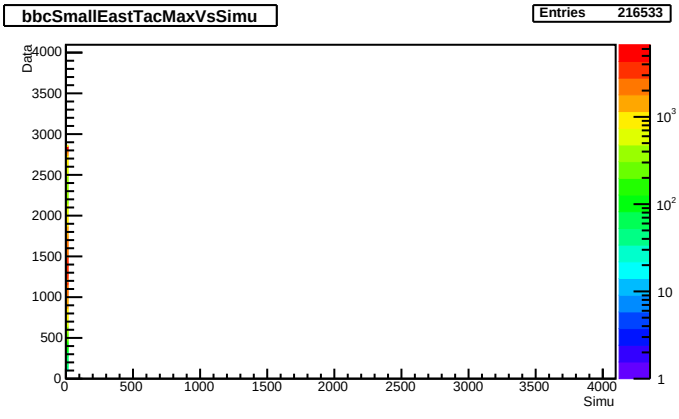

EQ3 QTC
Entries 2.732909e+07
ADC
QT Input Channel

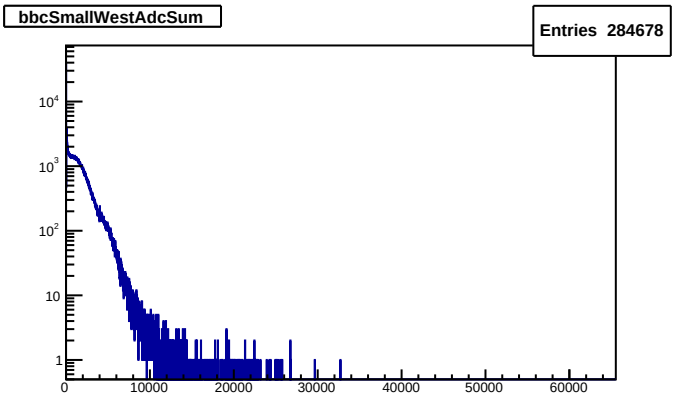

EQ3 QTC
Entries 2.732909e+07
TADC
QT Input Channel

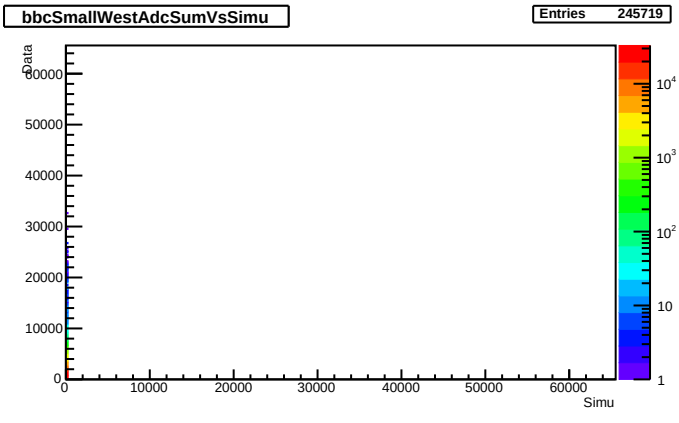

bbcSmallEastAdcSum
Entries 284678


bbcSmallEastAdcSumVsSimu
Entries 216533
Data
Simu


bbcSmallEastTacMax
Entries 284678


bbcSmallEastTacMaxVsSimu
Entries 216533
Data
Simu


bbcSmallWestAdcSum
Entries 284678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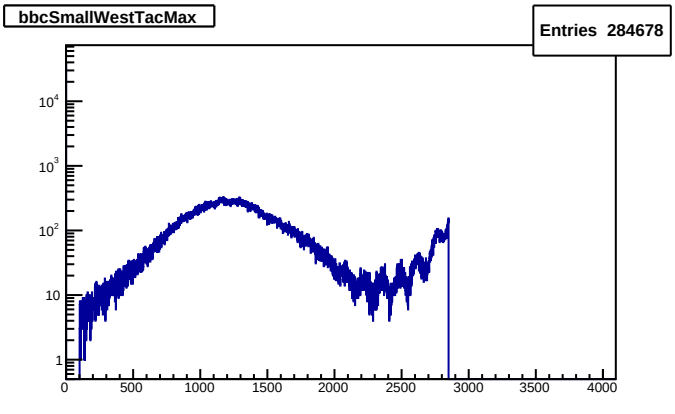
Entries 245719
Data
Simu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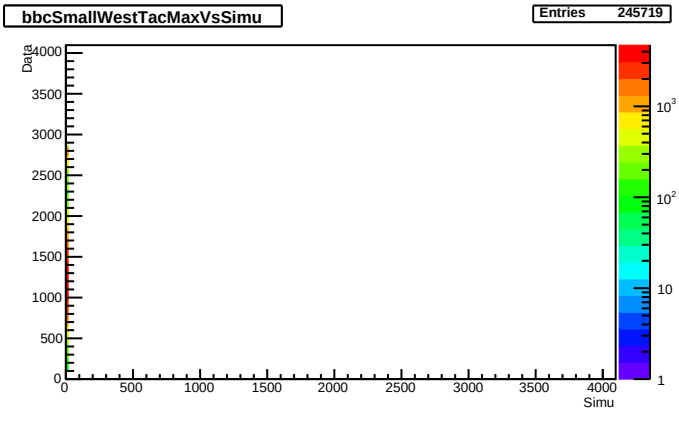
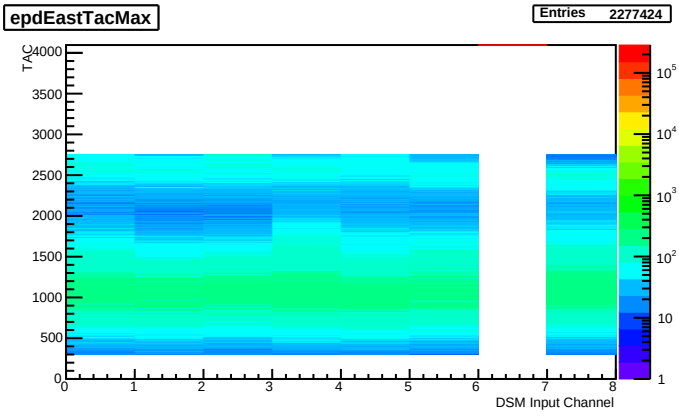
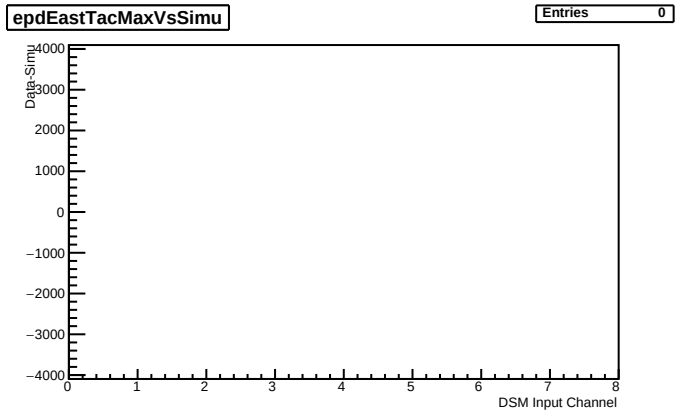
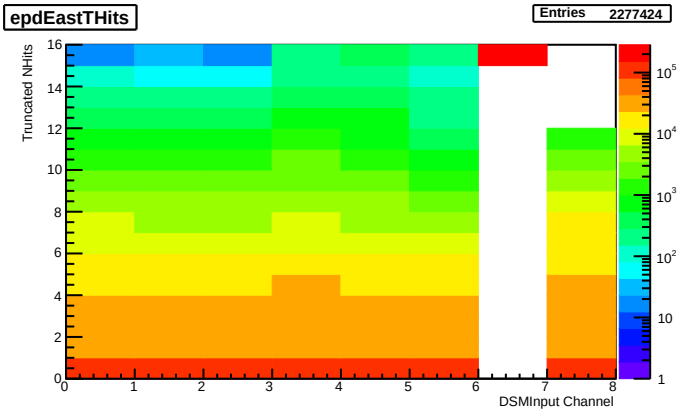
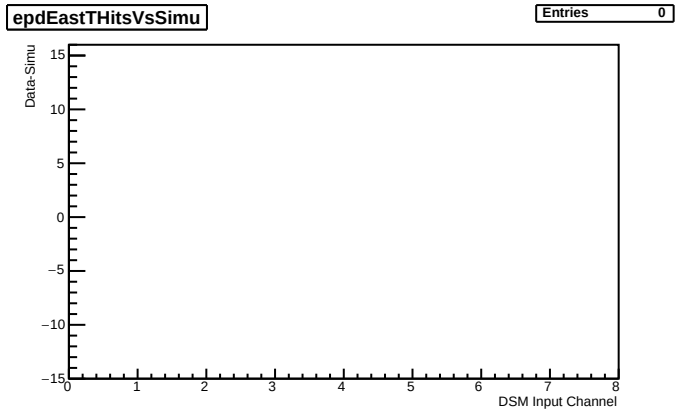
Entries 284678


bbcSmallWestTacMaxVsSimu
Entries 245719
Data
Simu


epdEastTacMax
Entries 2277424
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2277424
Truncated NHits
DSMInput Channel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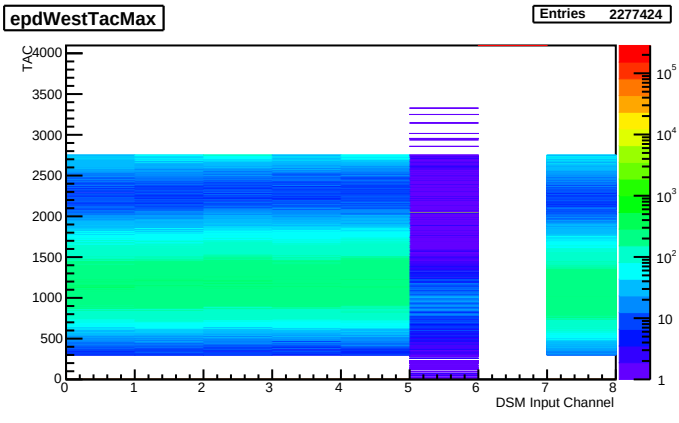
Data-Simu
DSM Input Channel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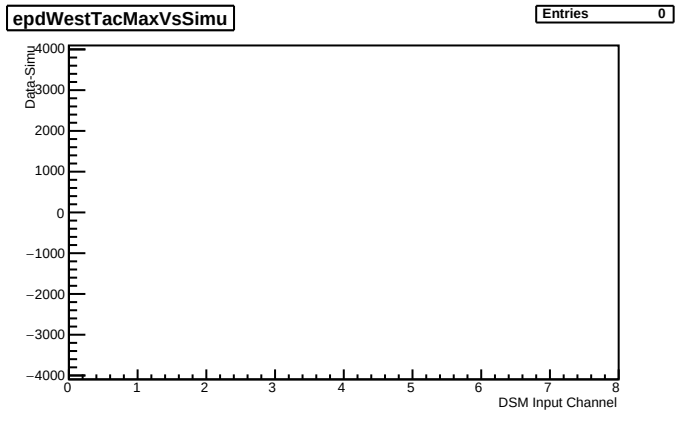
Entries 2277424
TAC
DSM Input Channel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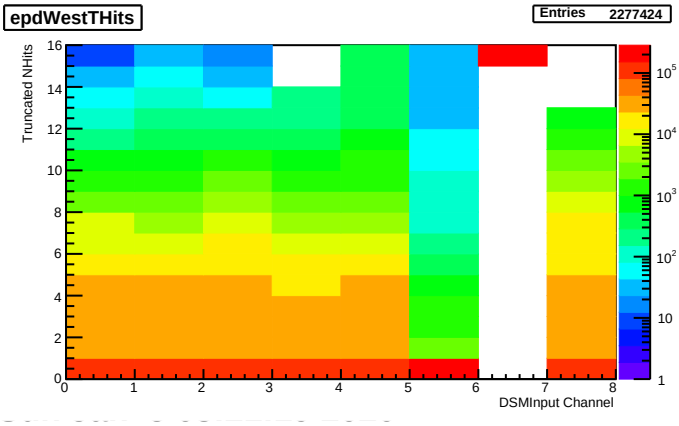
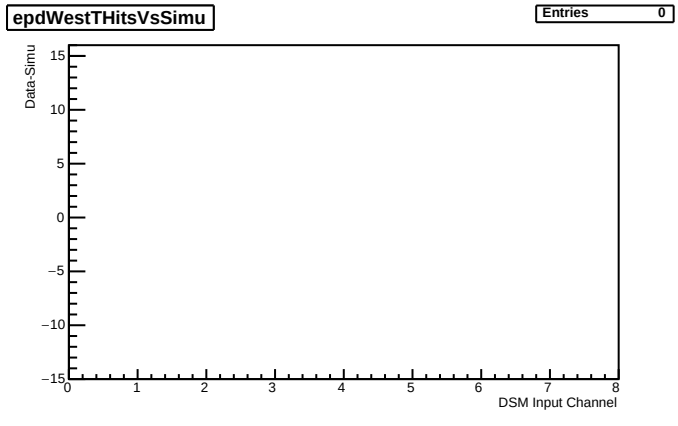
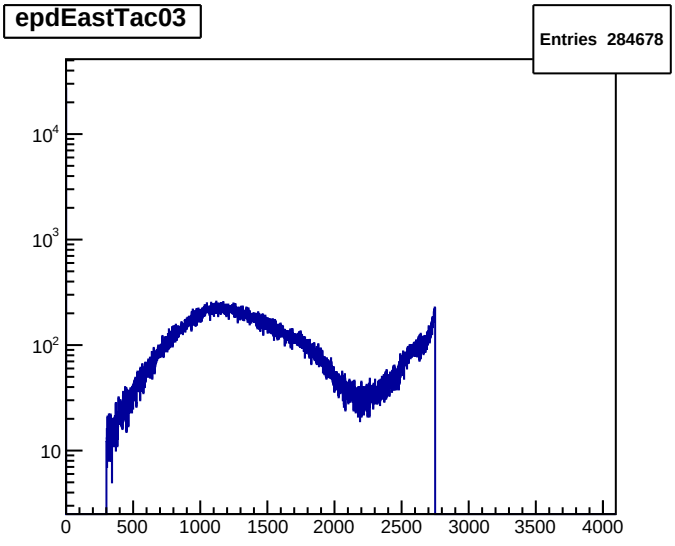
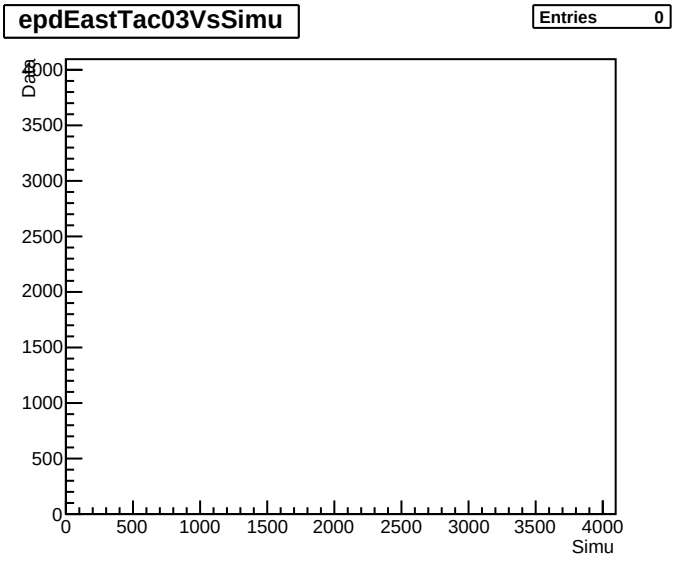
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2277424
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 284678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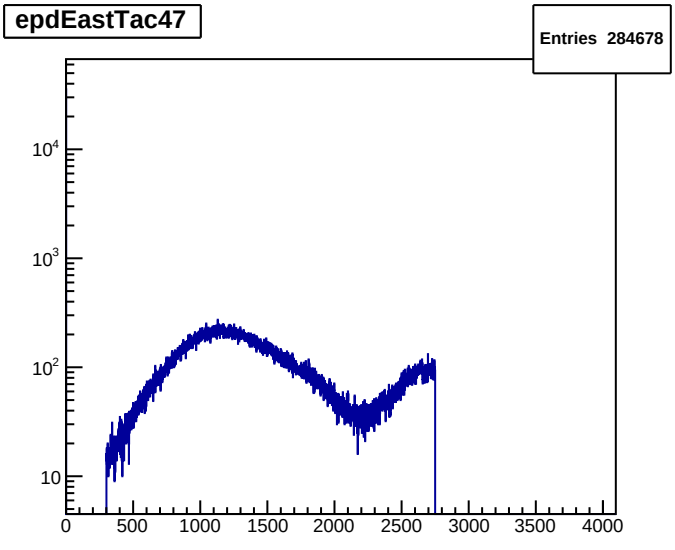
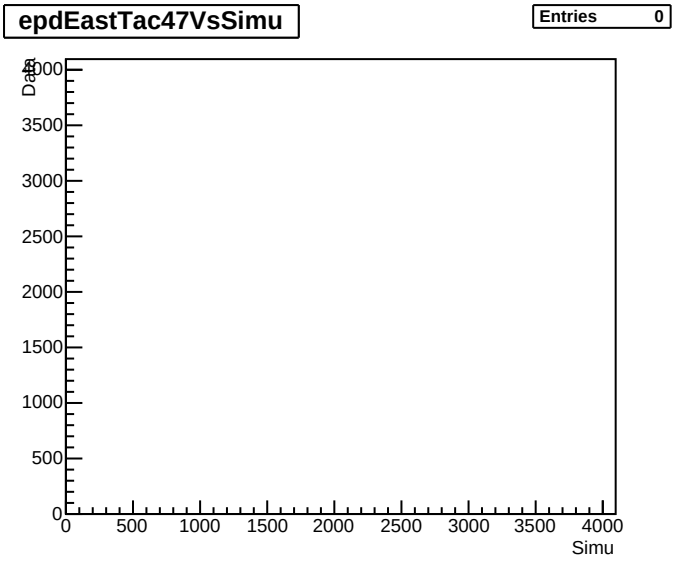
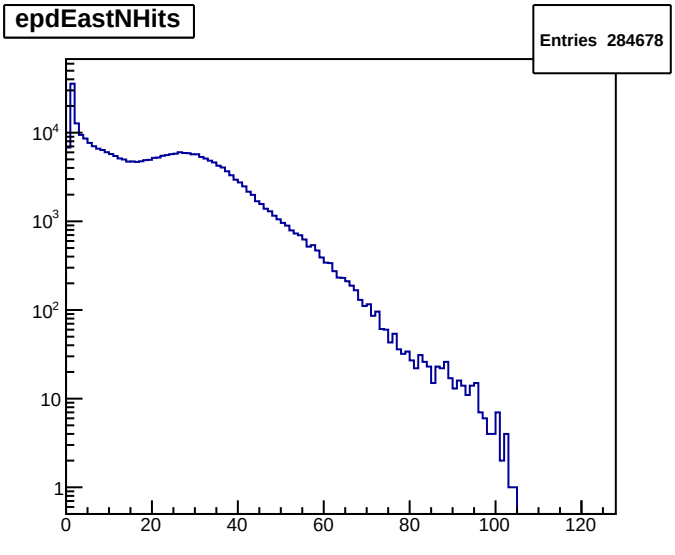
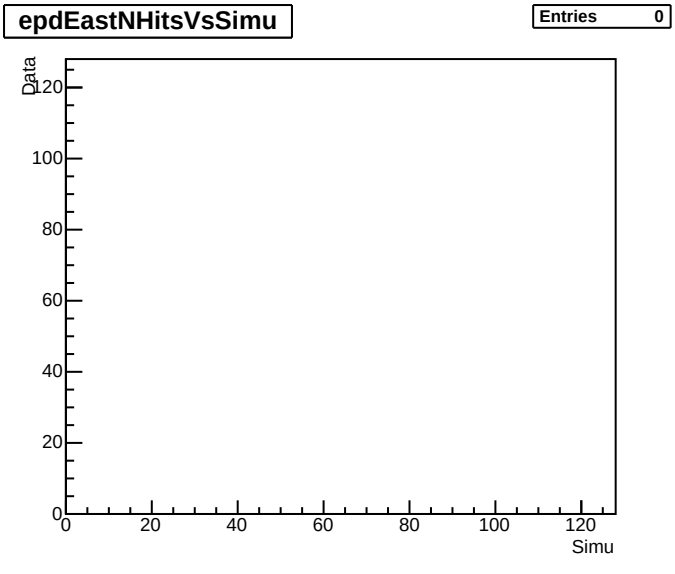
Entries 0
Data
Simu


epdEastTac47
Entries 284678


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 284678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Data
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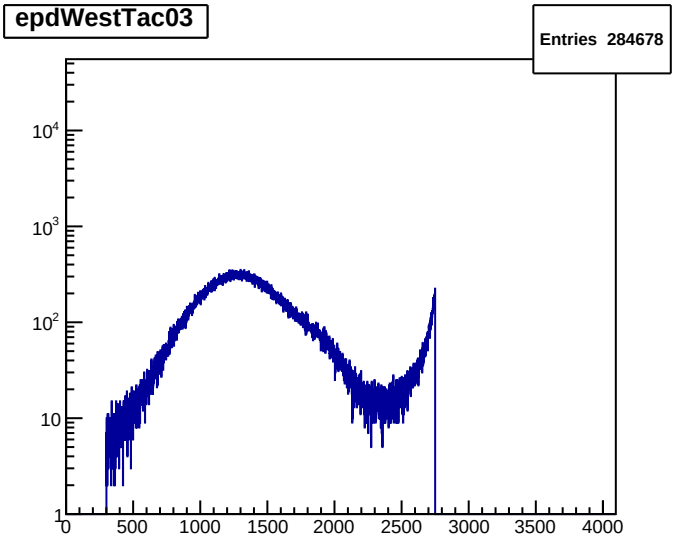
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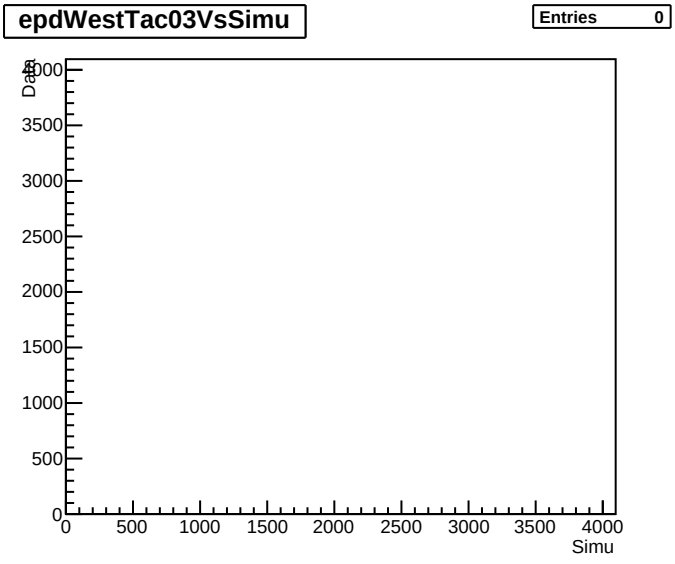
Entries 284678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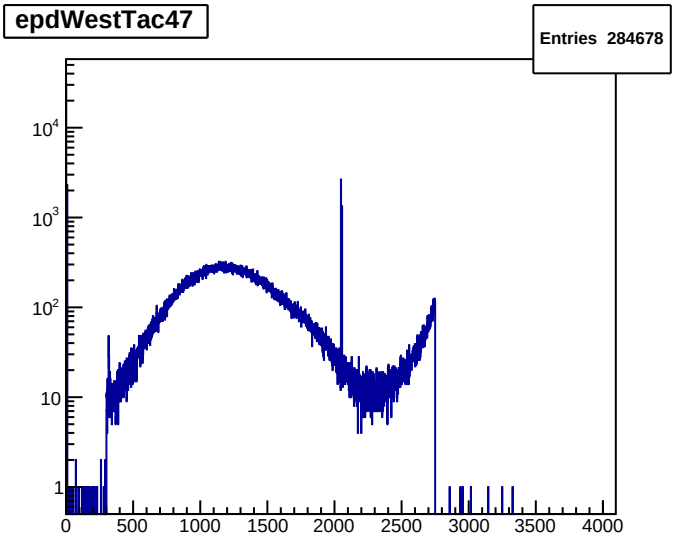
Entries 0
Data
Simu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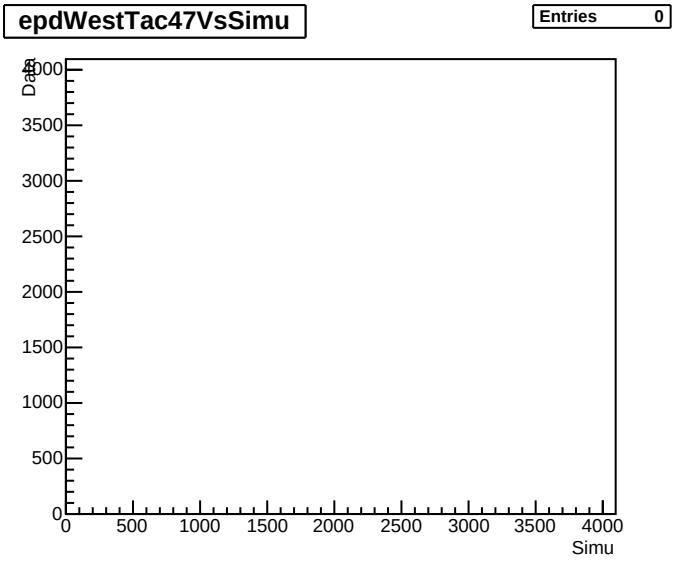
Entries 284678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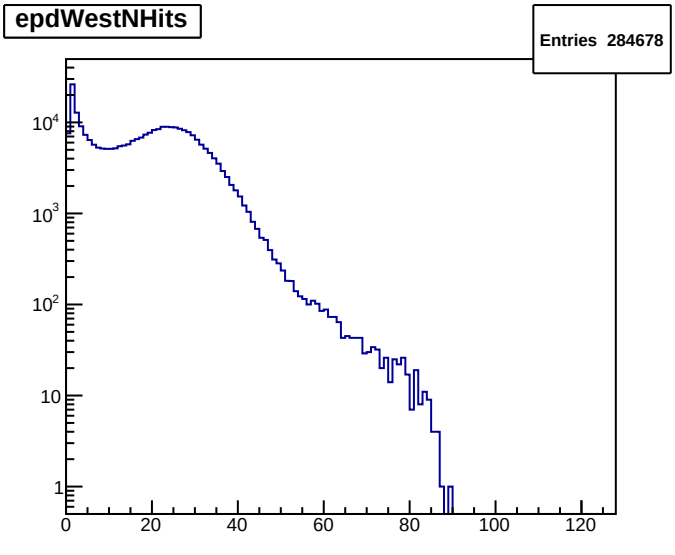
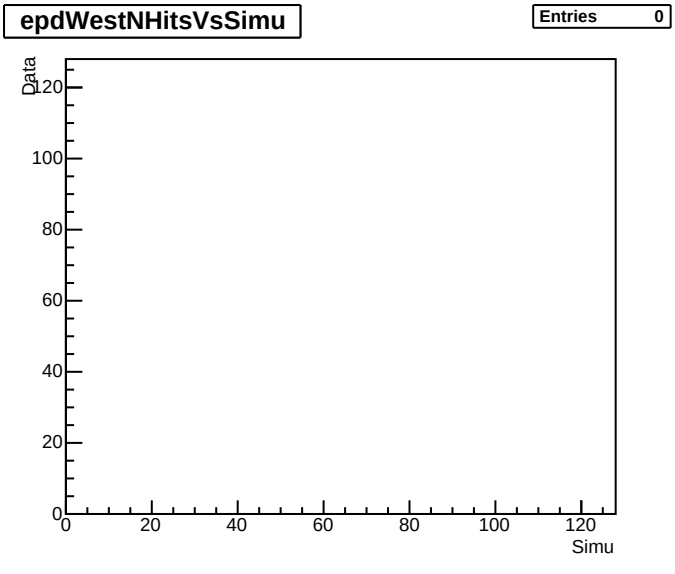
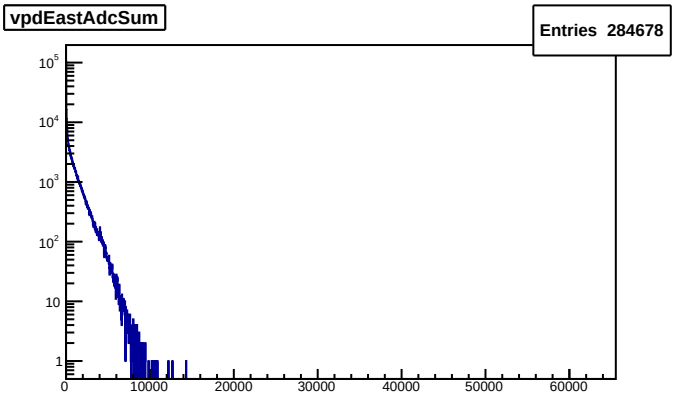
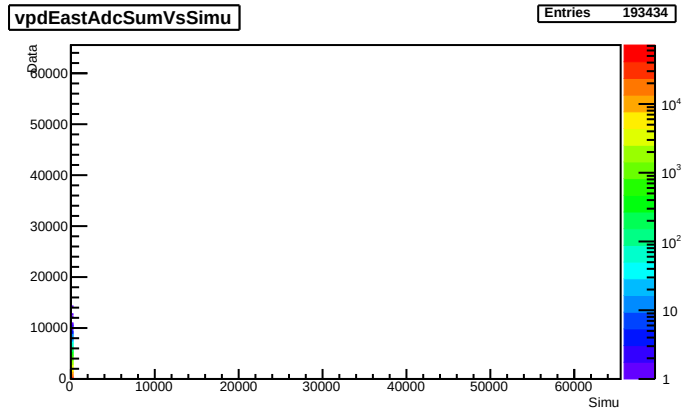
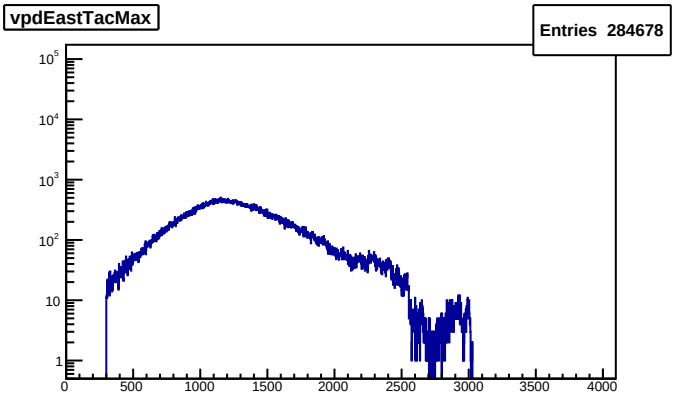
Entries 0
Data
Simu

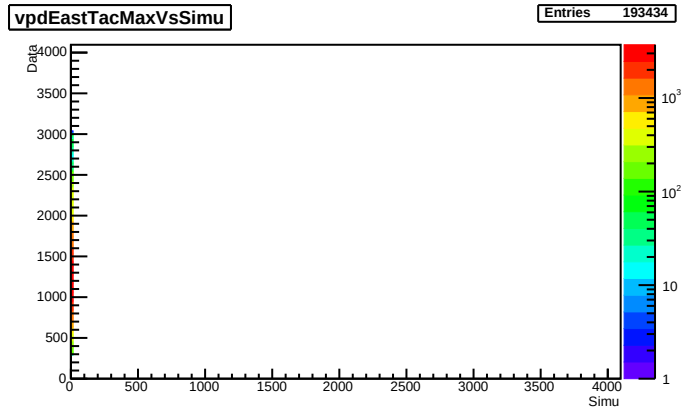

epdWestNHits
Entries 284678

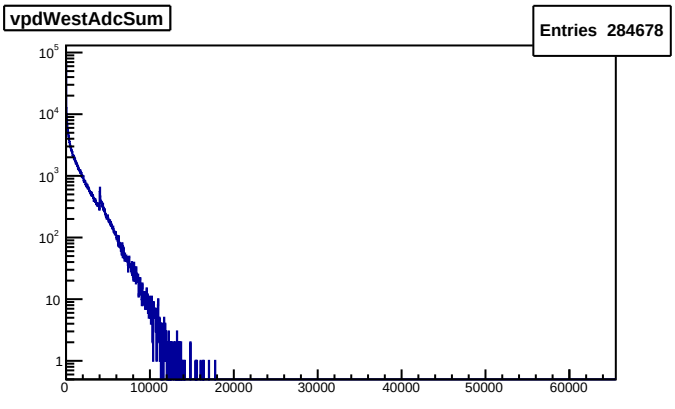

epdWestNHitsVsSimu
Entries 0
Data
Simu

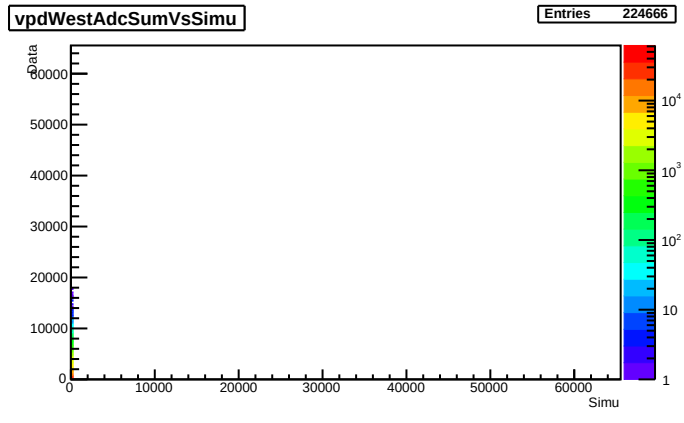

vpdEastAdcSum
Entries 284678

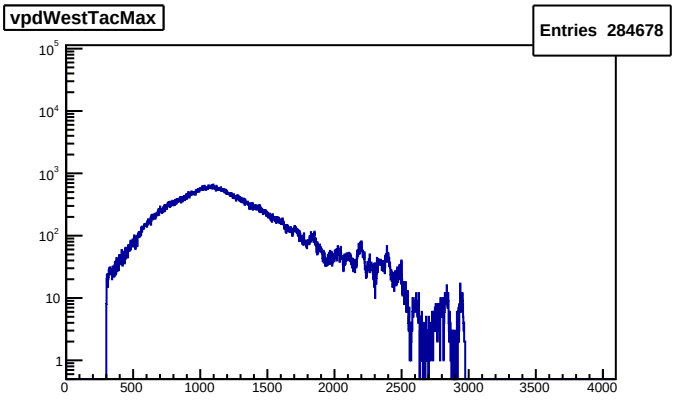

vpdEastAdcSumVsSimu
Entries 193434
Data
Simu

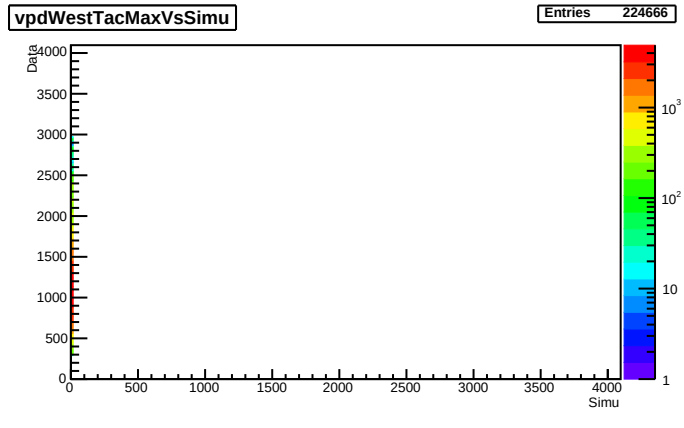

vpdEastTacMax
Entries 284678

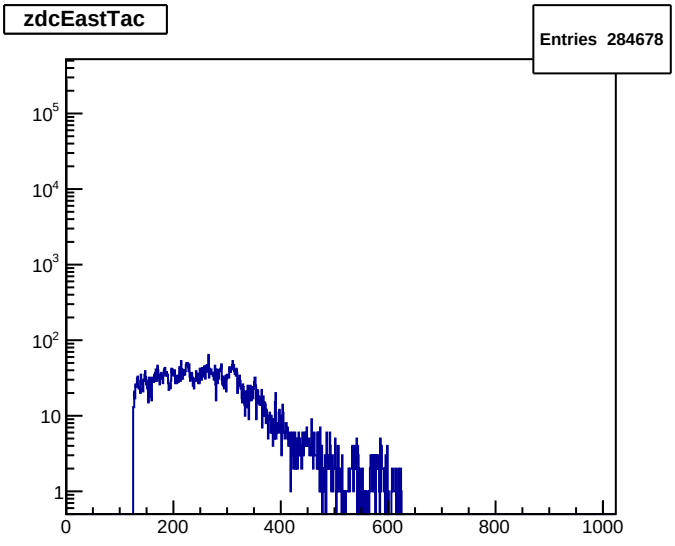

vpdEastTacMaxVsSimu
Entries 193434
Data
Simu

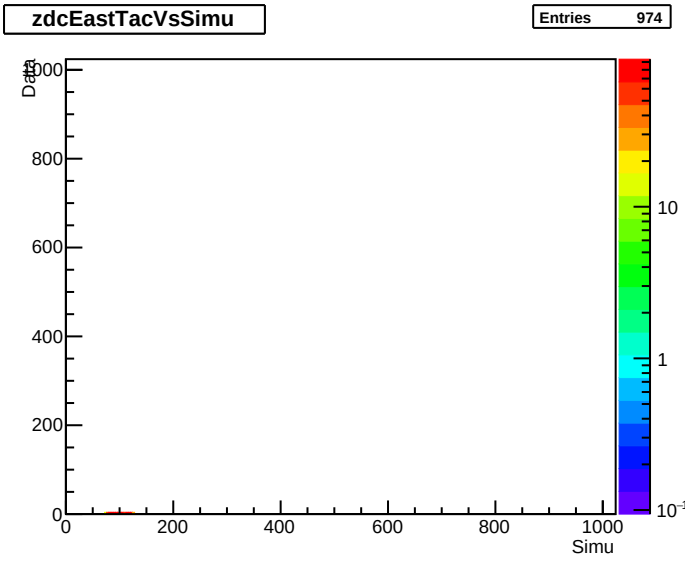

vpdWestAdcSum
Entries 284678

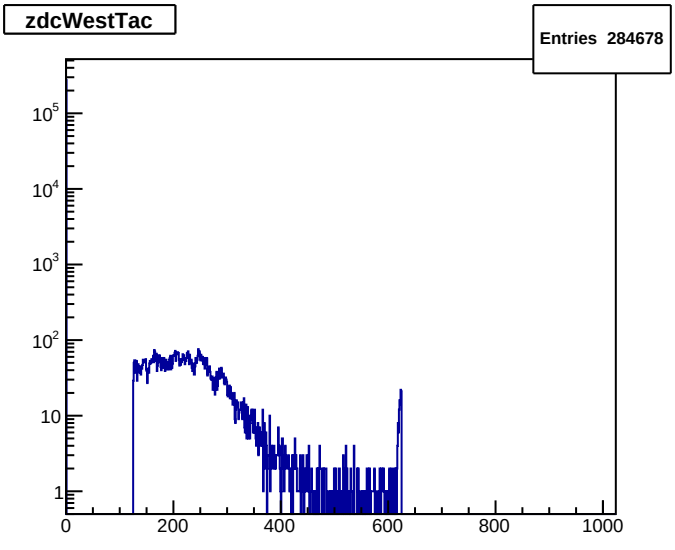

vpdWestAdcSumVsSimu
Entries 224666
Data
Simu

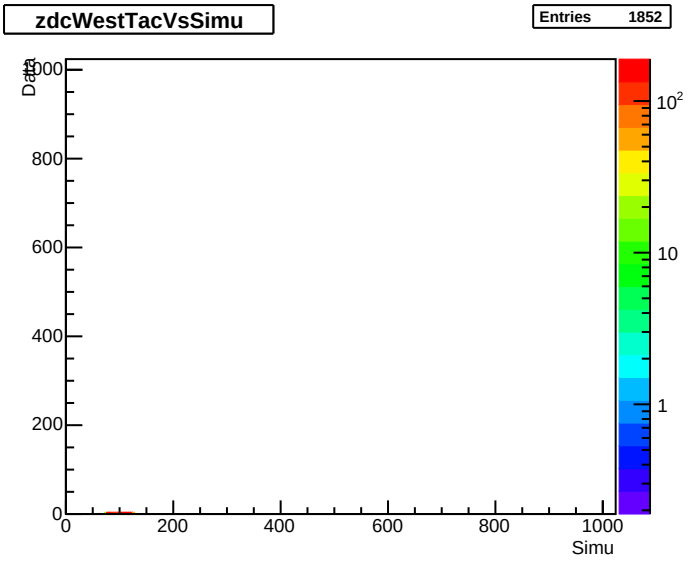

vpdWestTacMax
Entries 284678

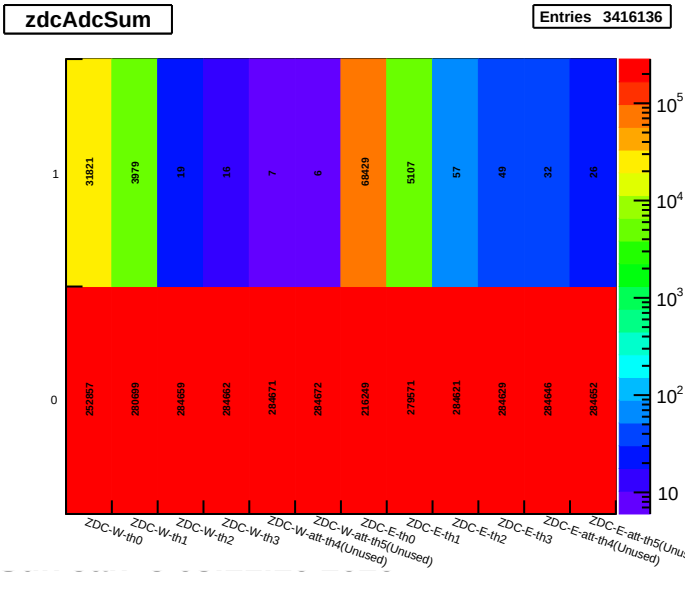

vpdWestTacMaxVsSimu
Entries 224666
Data
Simu

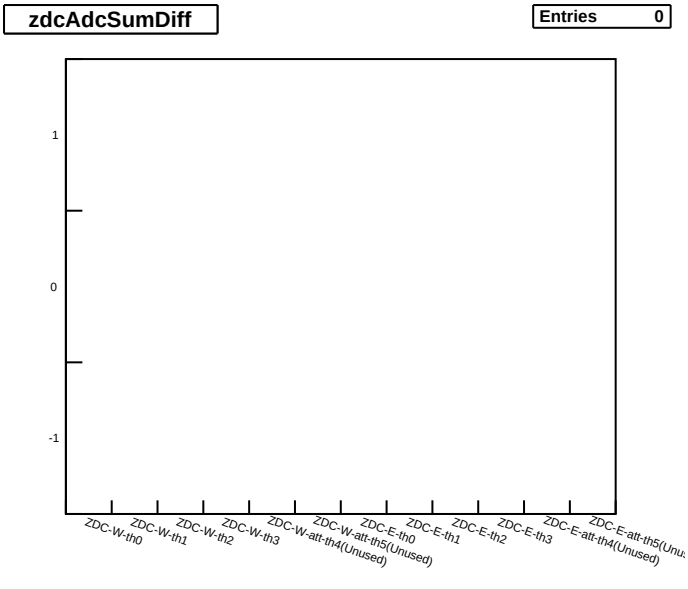

zdcEastTac
Entries 284678

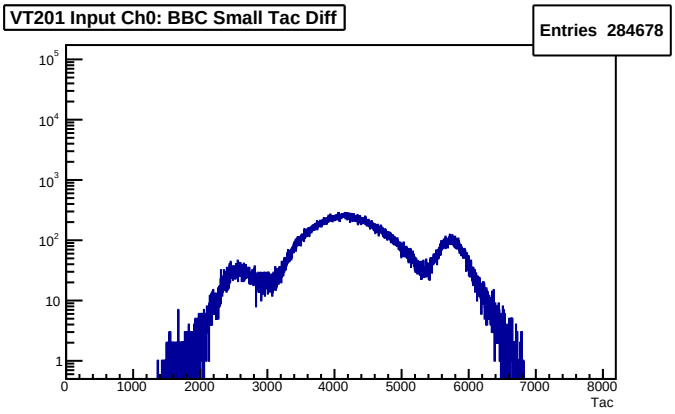

zdcEastTacVsSimu
Entries 974
Data
Simu

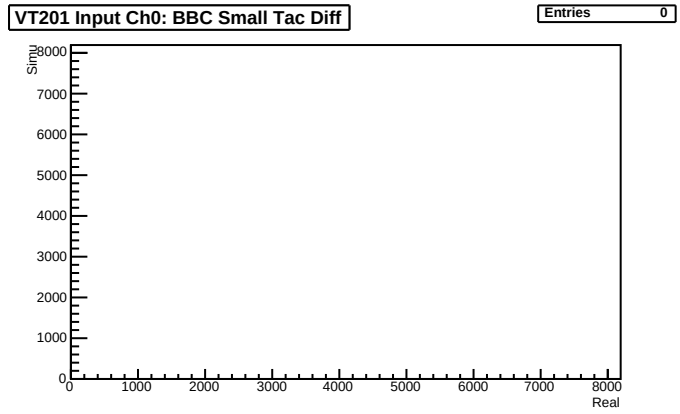

zdcWestTac
Entries 284678

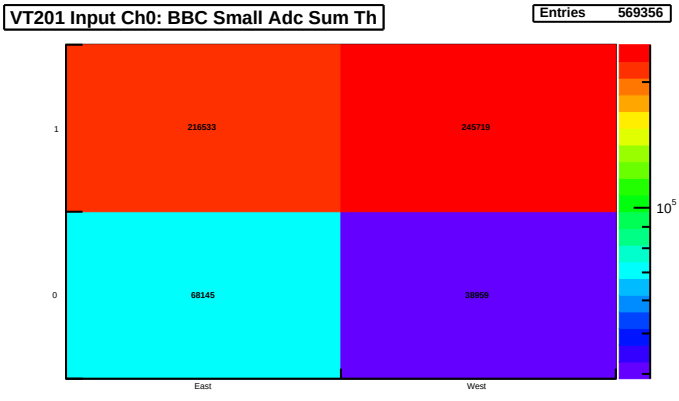

zdcWestTacVsSimu
Entries 1852
Data
Simu

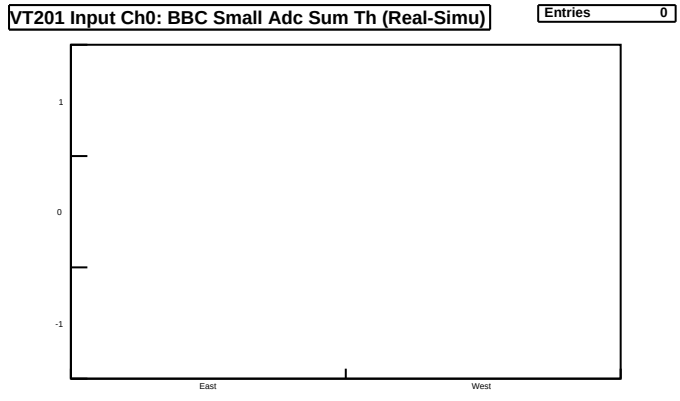

zdcAdcSum
Entries 3416136
31821
3979
19
16
7
6
68429
5107
57
49
32
26
252857
280699
284659
284662
284671
284672
216249
279571
284621
284629
284646
284652
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

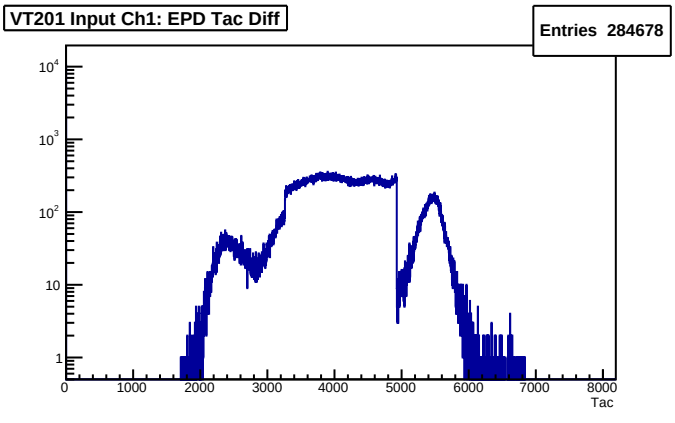

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

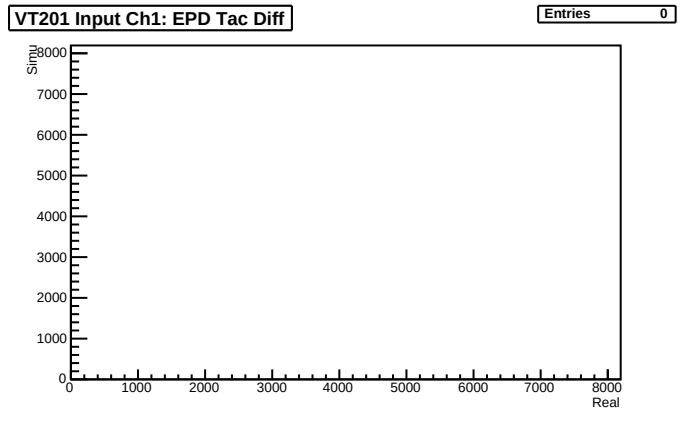

VT201 Input Ch0: BBC Small Tac Diff
Entries 284678
Tac

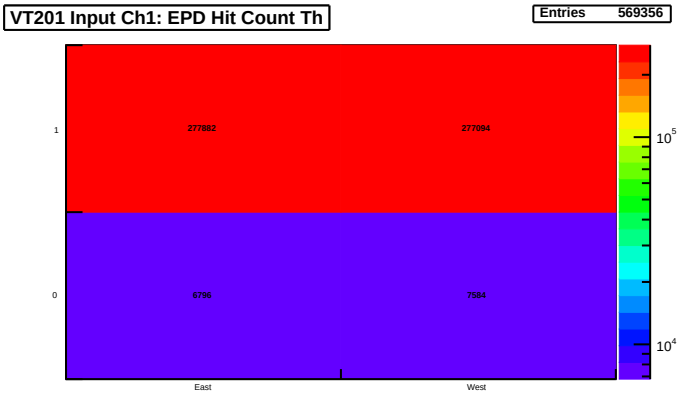

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

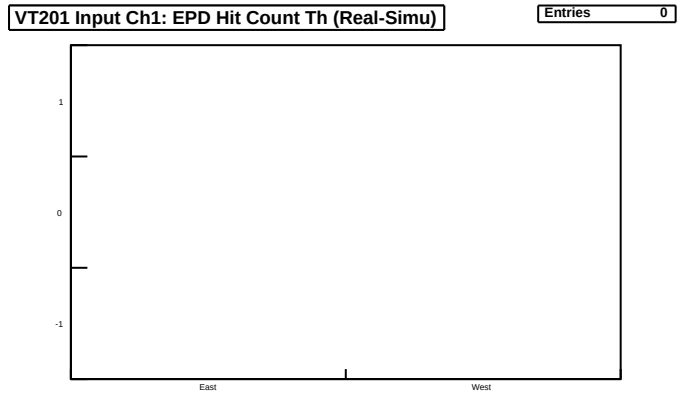

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 569356
216533
245719
68145
38959
East
West

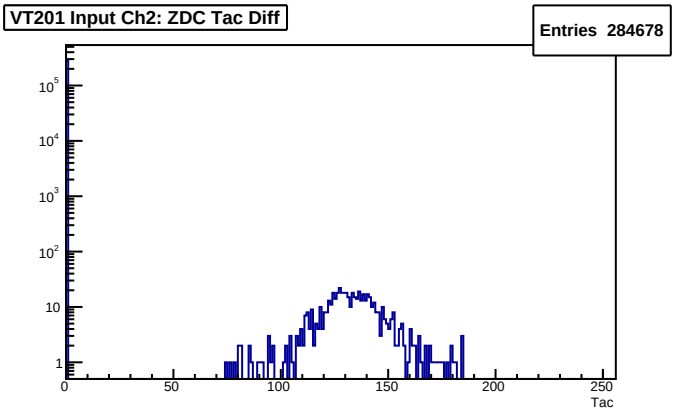

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

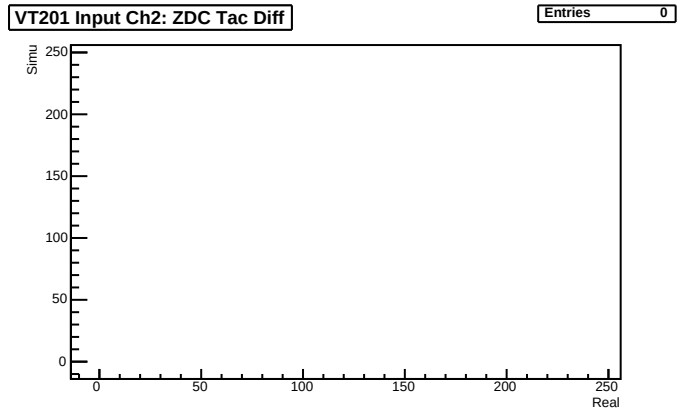

VT201 Input Ch1: EPD Tac Diff
Entries 284678
Tac

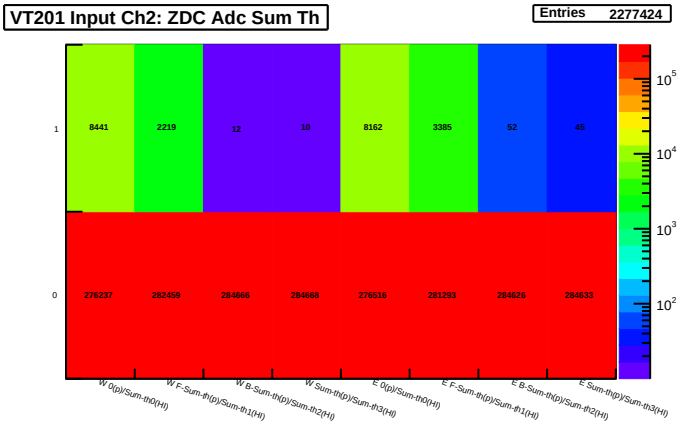

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

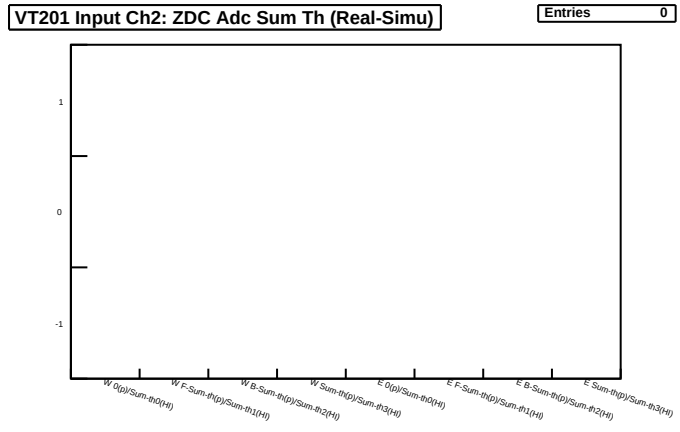

VT201 Input Ch1: EPD Hit Count Th
Entries 569356
277882
277094
6796
7584
East
West

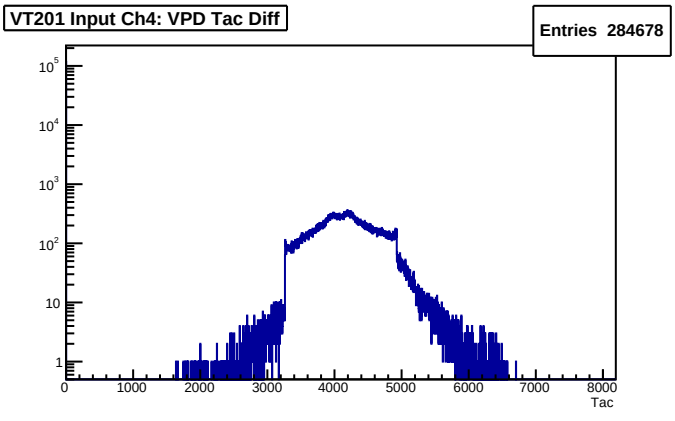

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

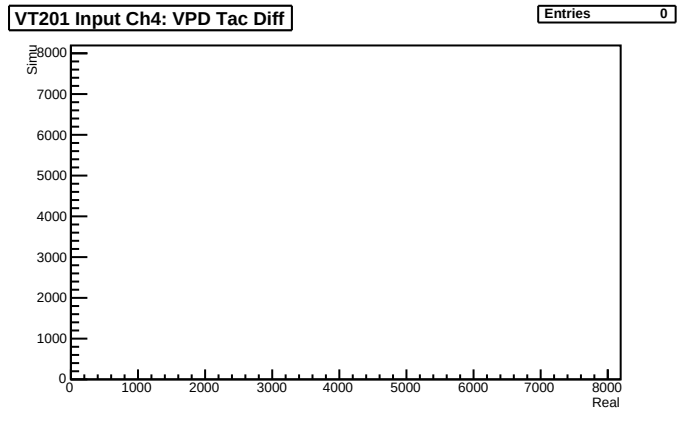

VT201 Input Ch2: ZDC Tac Diff
Entries 284678
Tac

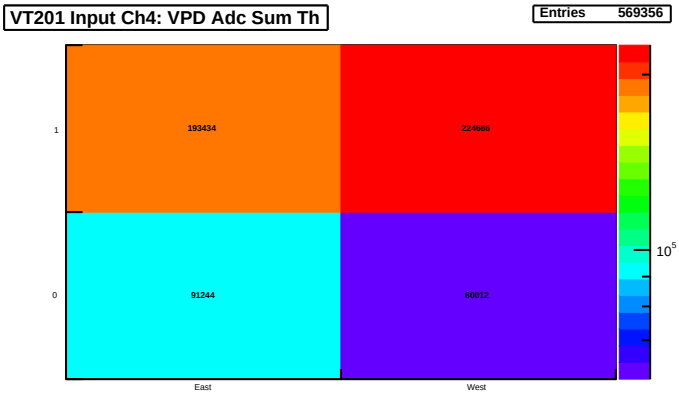

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

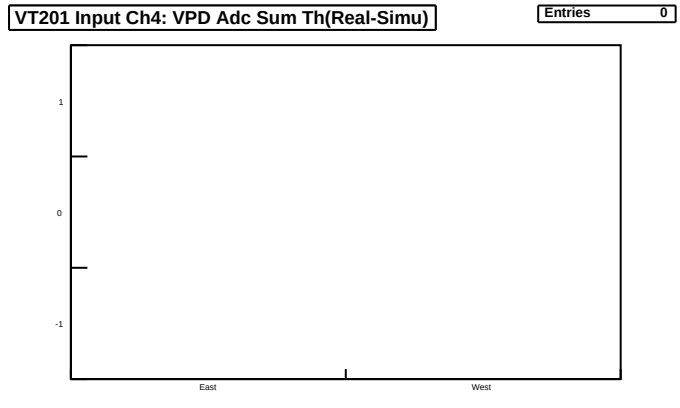

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2277424
8441
2219
12
10
8162
3385
52
45
276237
282459
284666
284668
276516
281293
284626
284633
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

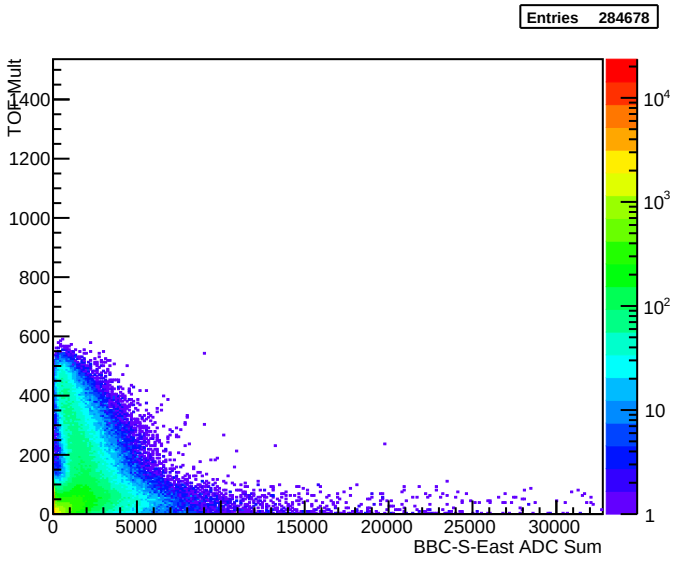

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

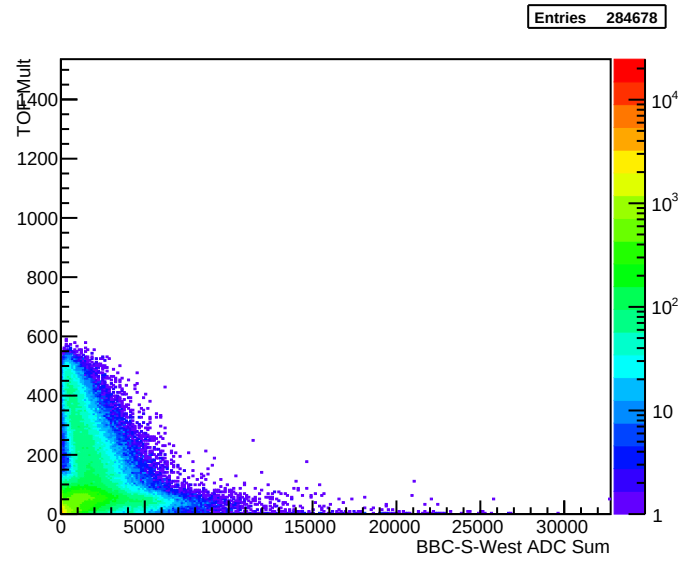

VT201 Input Ch4: VPD Tac Diff
Entries 284678
Tac

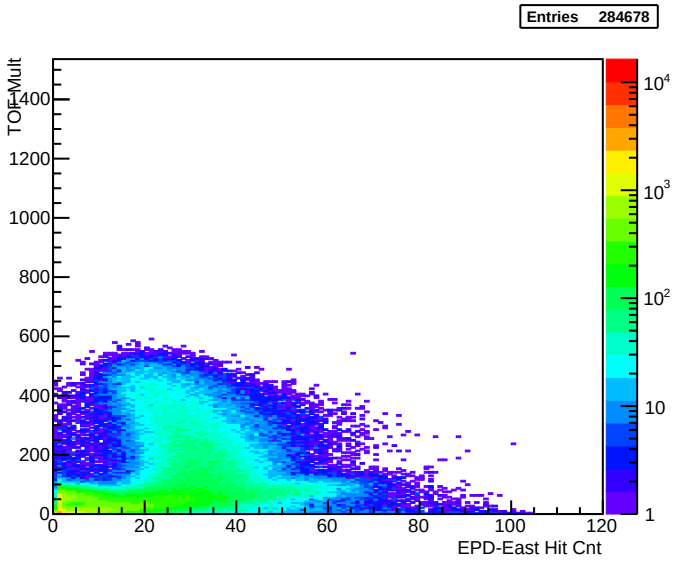

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

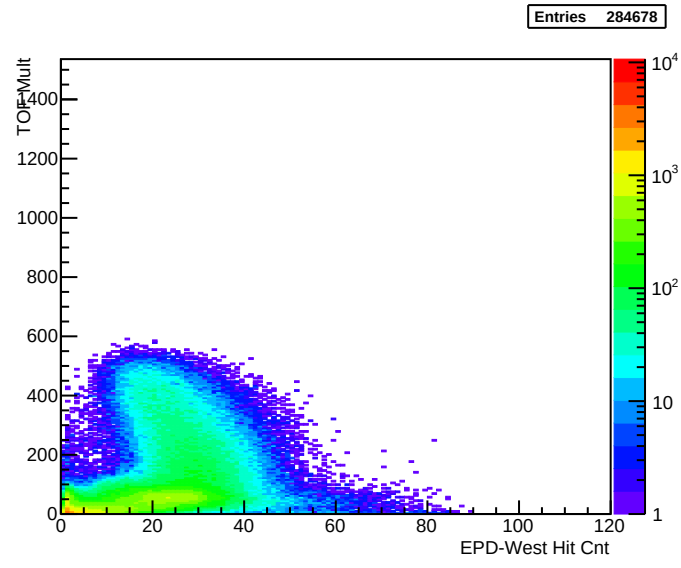

VT201 Input Ch4: VPD Adc Sum Th
Entries 569356
193434
224666
91244
60012
East
West

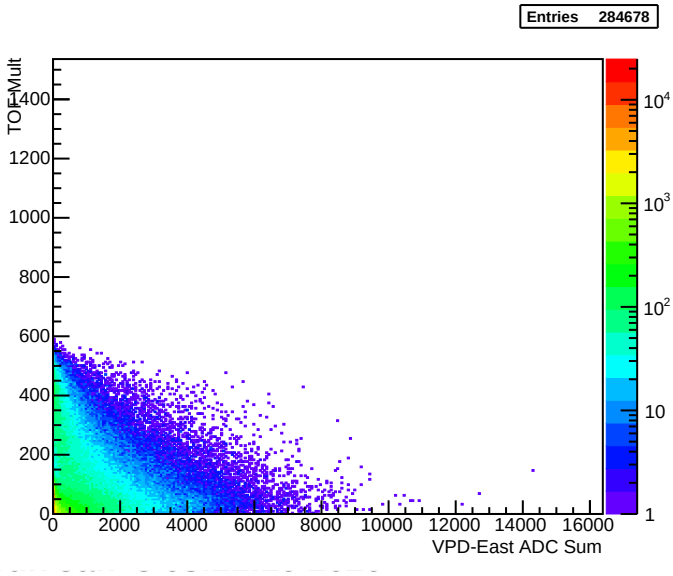

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

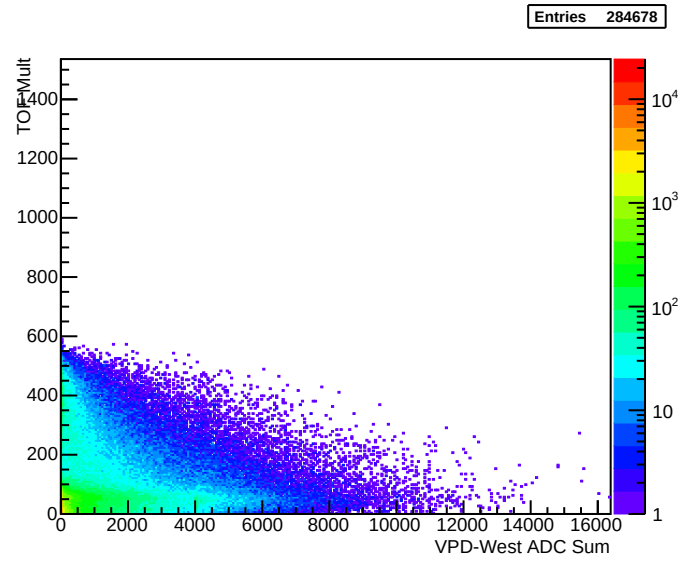

Entries 284678
TOF-Mult
BBC-S-East ADC Sum

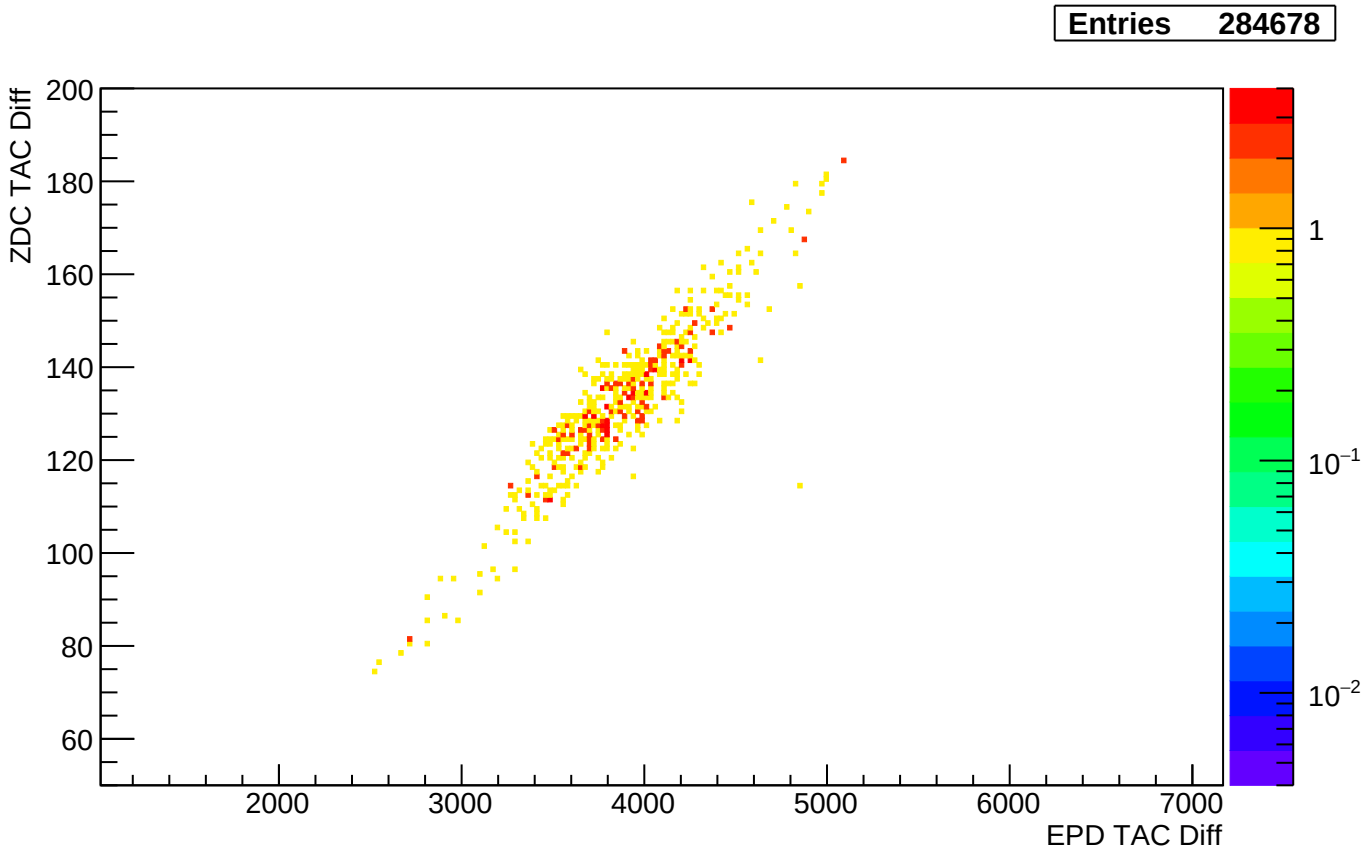

Entries 284678
TOF-Mult
BBC-S-West ADC Sum

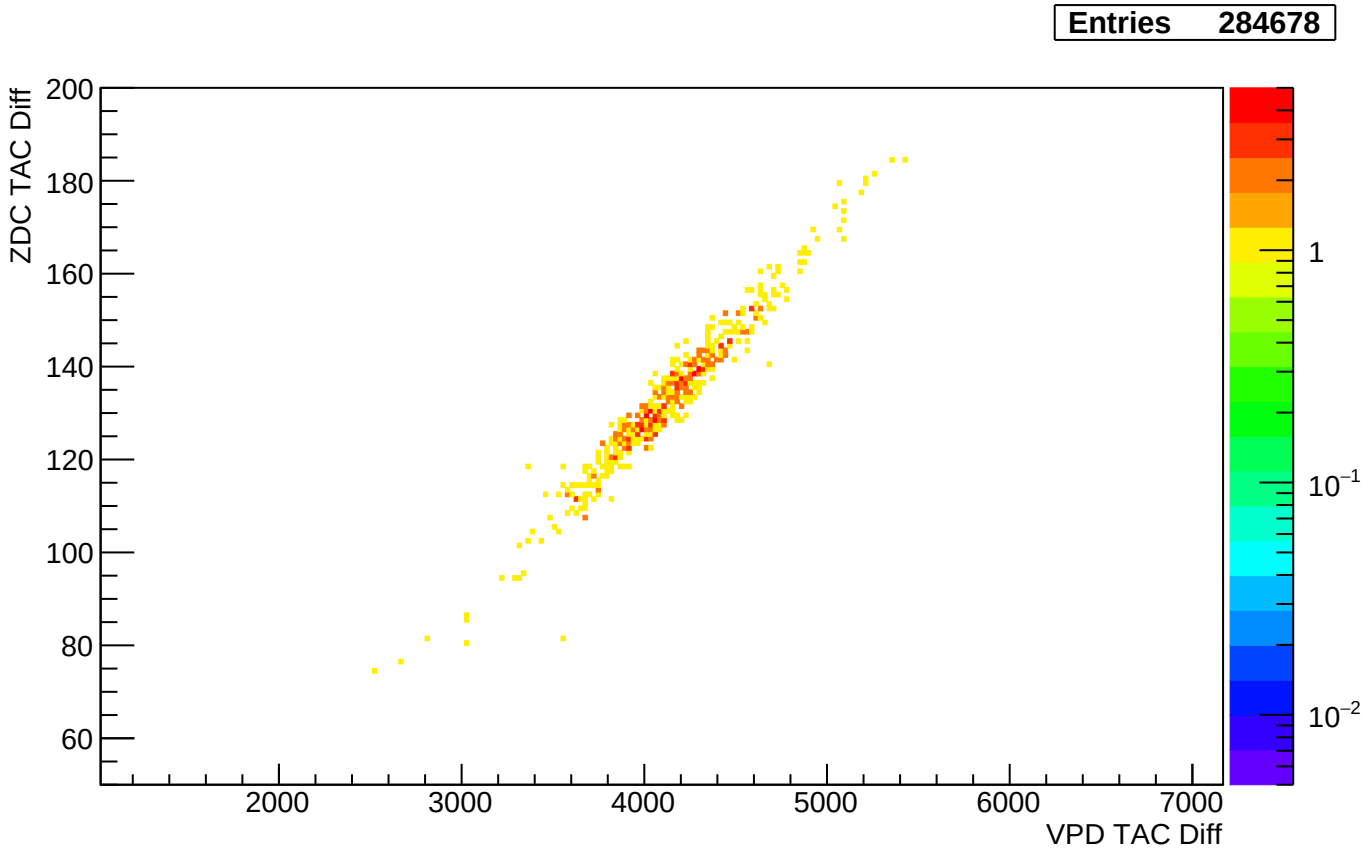

Entries 284678
TOF-Mult
EPD-East Hit Cnt

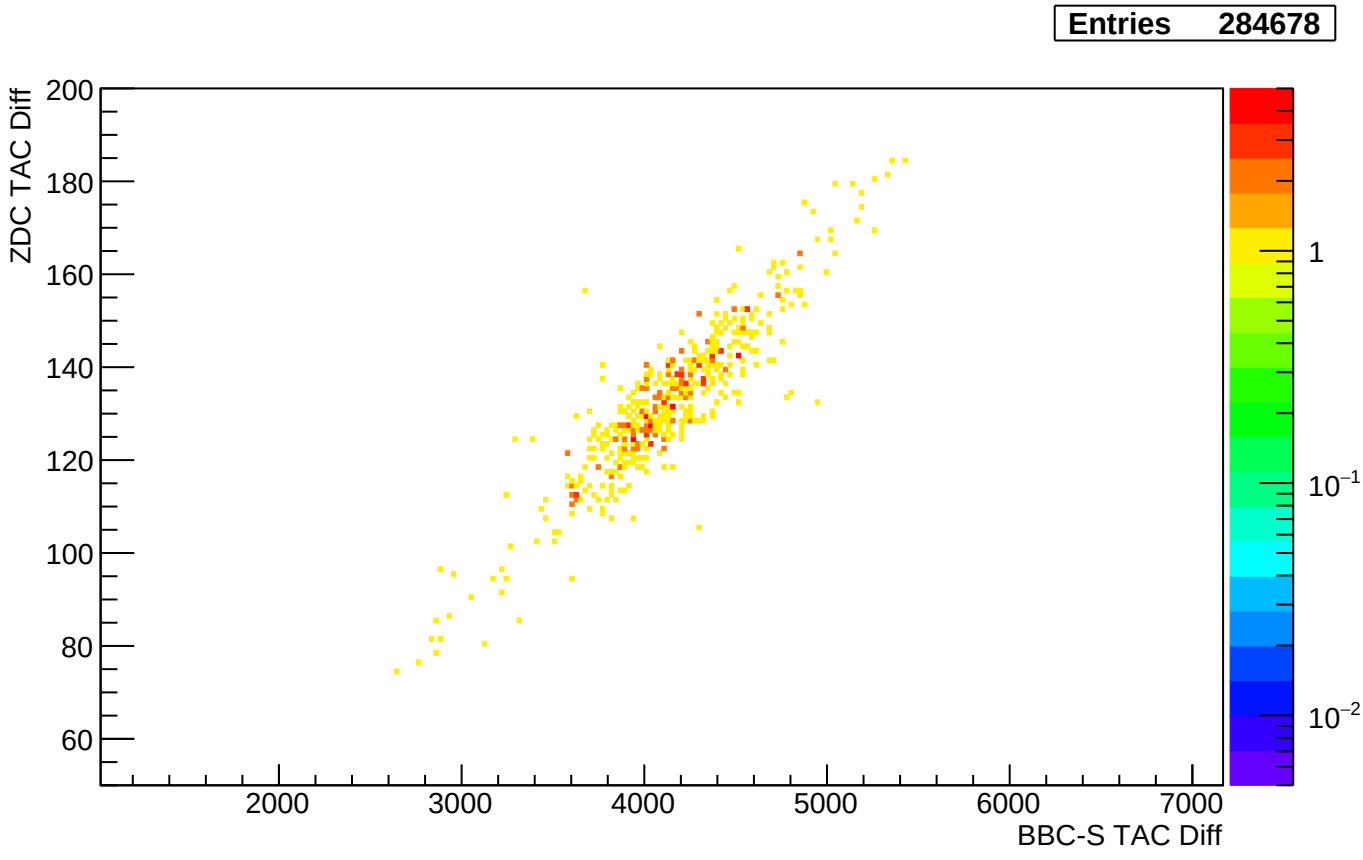

Entries 284678
TOF-Mult
EPD-West Hit Cnt

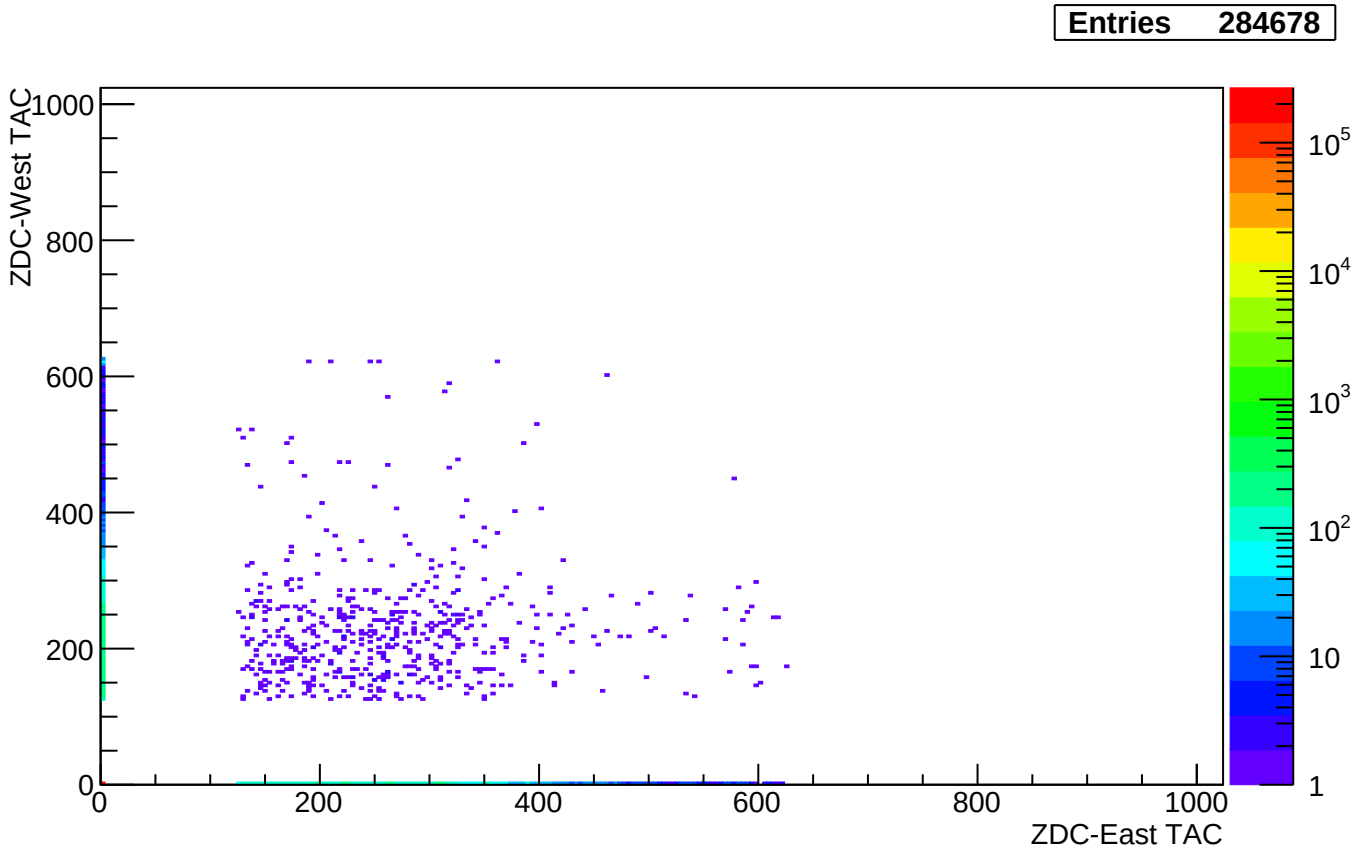

Entries 284678
TOF-Mult
VPD-East ADC Sum

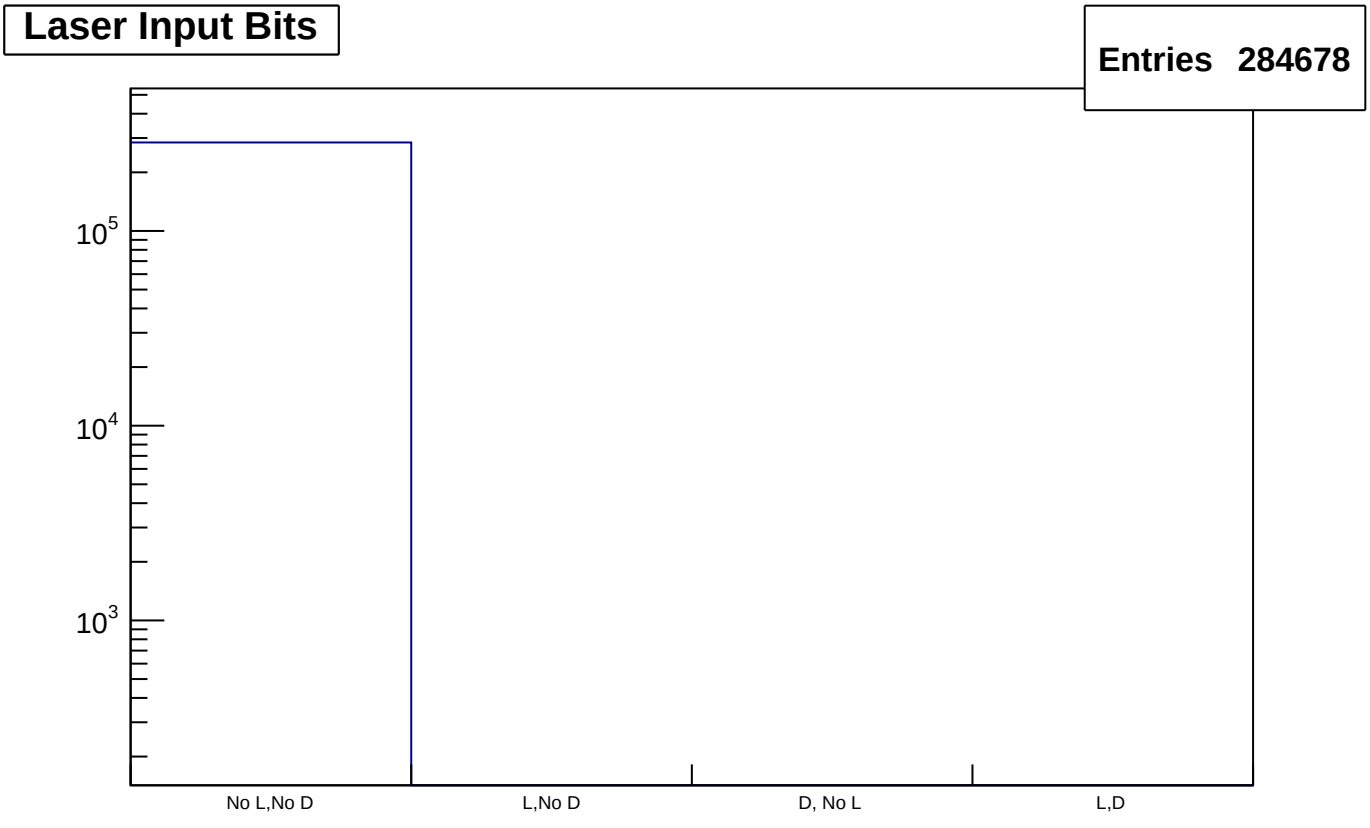

Entries 284678
TOF-Mult
VPD-West ADC Sum

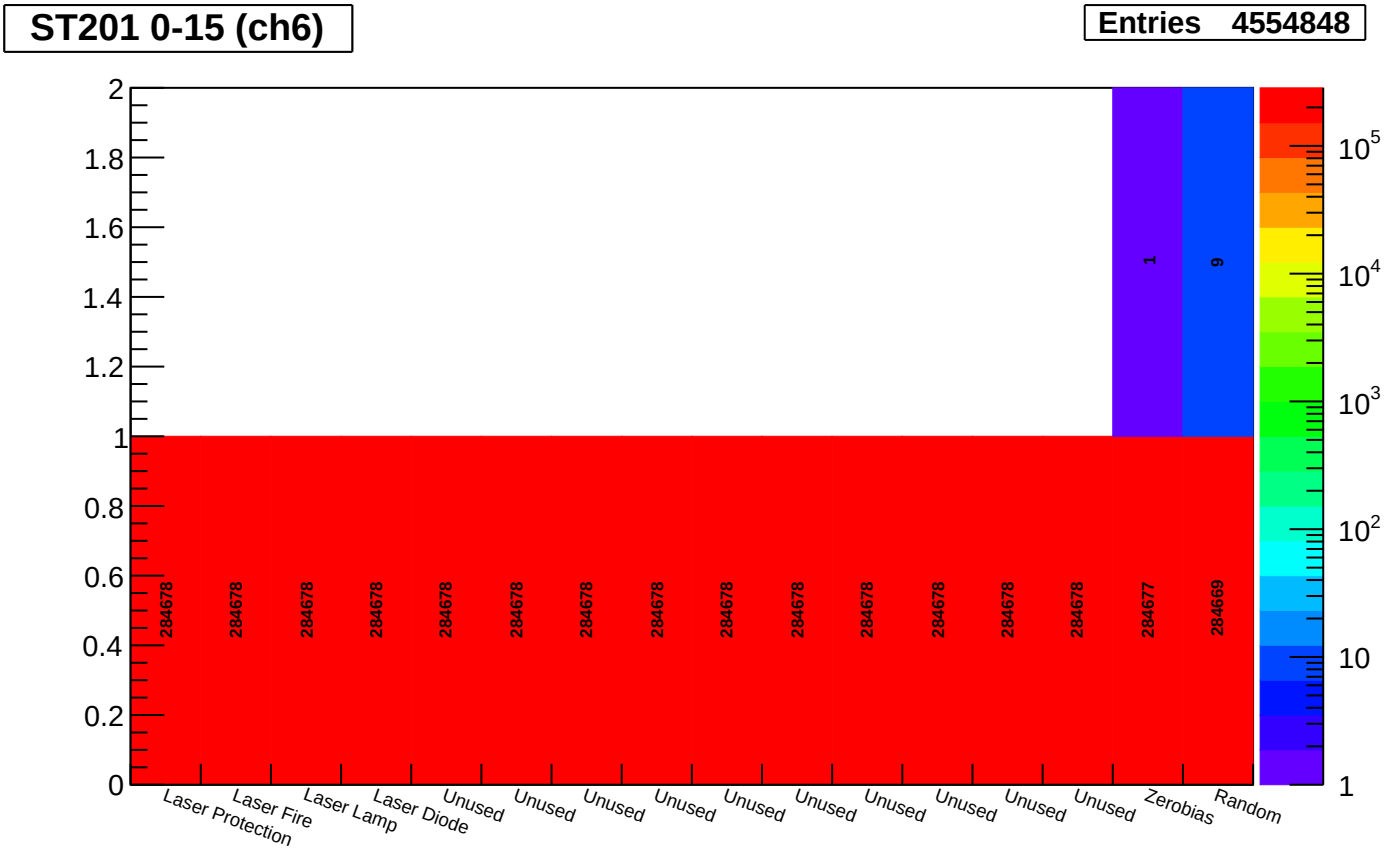

Entries 284678
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

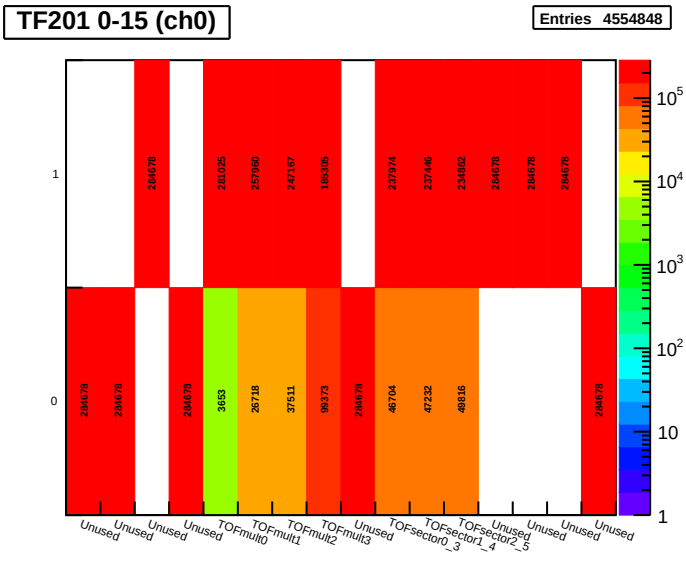

Entries 284678
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

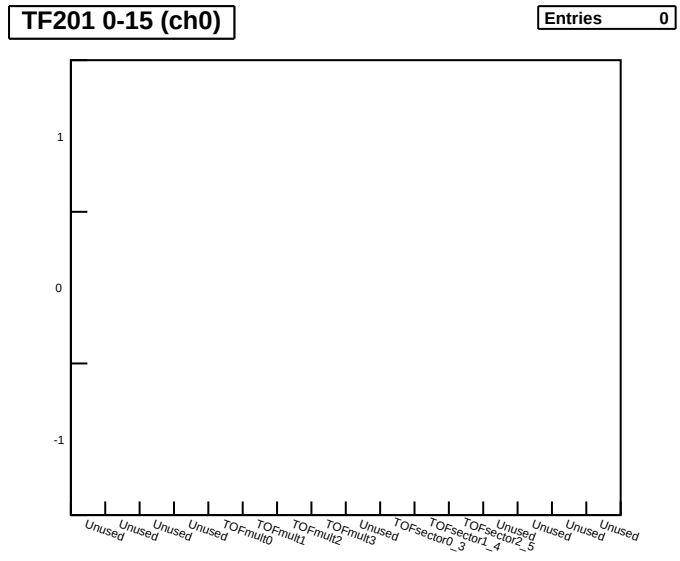

Entries 284678
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

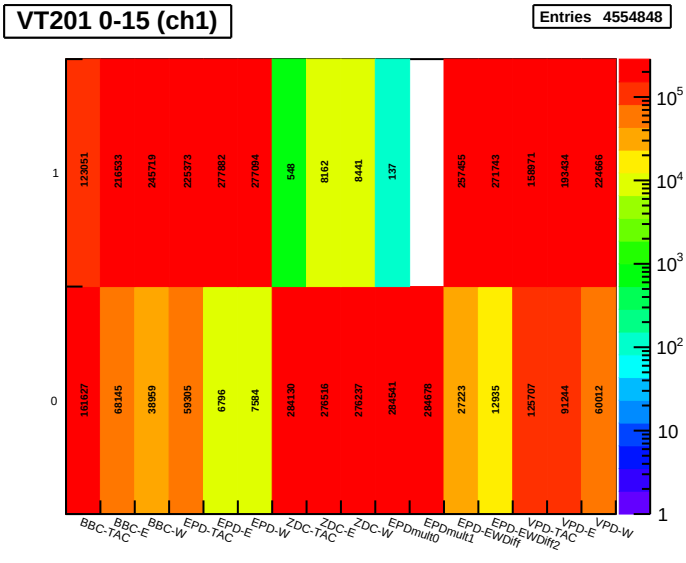

Entries 284678
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

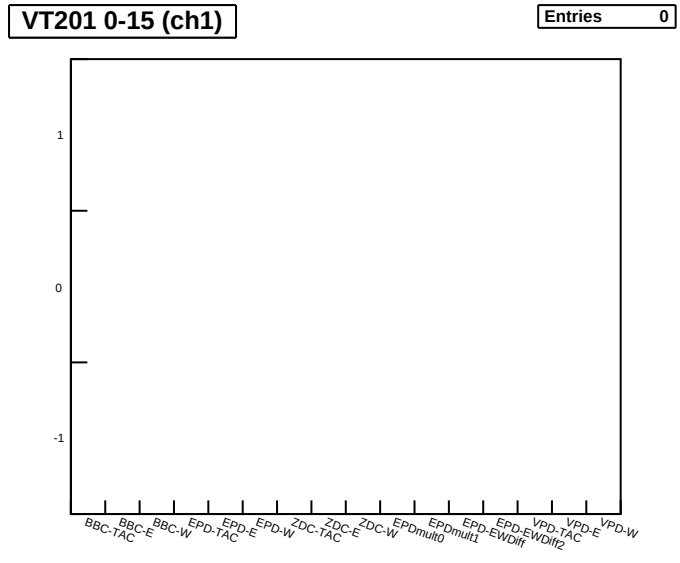

Laser Input Bits
Entries 284678
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

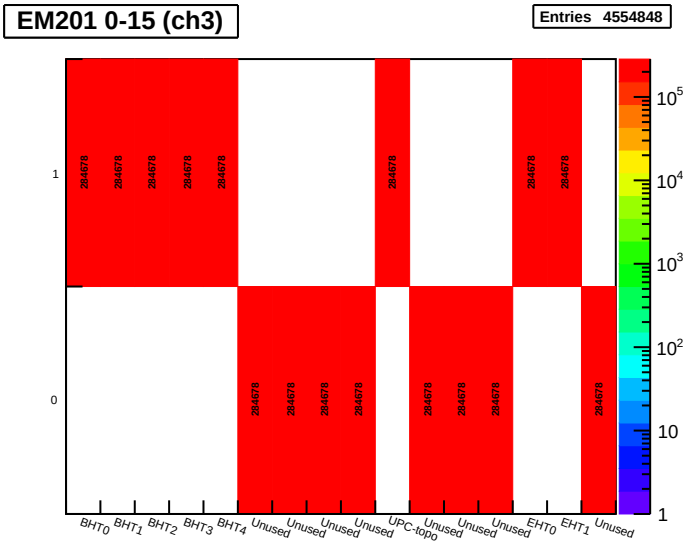

ST201 0-15 (ch6)
Entries 4554848
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
284678
284678
284678
284678
284678
284678
284678
284678
284678
284678
284678
284678
284678
284678
284677
284669
1
9
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

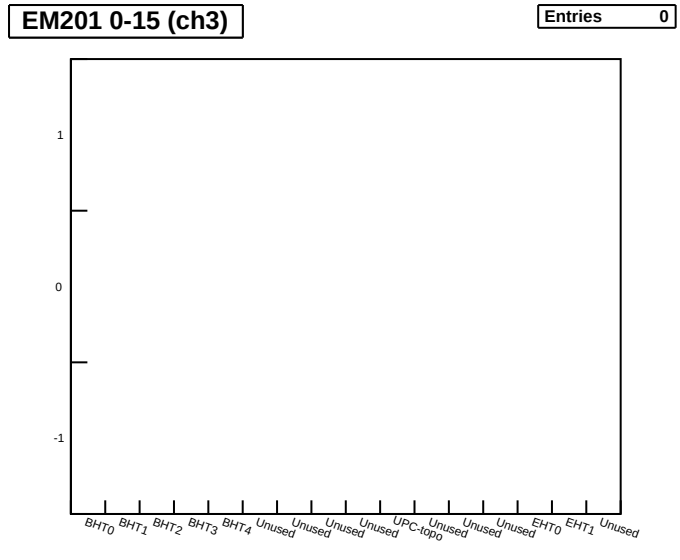

TF201 0-15 (ch0)
Entries 4554848
1
0
284678 284678 284678 281025 257960 247167 185305 237974 237446 234862 284678 284678 284678
284678 284678 284678 3653 26718 37511 99373 284678 46704 47232 49816 284678
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
1 10 10^2 10^3 10^4 10^5


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 4554848
1
0
123051 216533 245719 225373 277882 277094 548 8162 8441 137 257455 271743 159971 193454 224666
161627 68145 38959 59305 6796 7584 284130 276516 276237 284541 284678 27223 12935 125707 91244 60012
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff 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 VPD-TAC VPD-E VPD-W


EM201 0-15 (ch3)
Entries 4554848
1
0
284678 284678 284678 284678 284678 284678 284678 284678
284678 284678 284678 284678 284678 284678 284678 284678
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
1 10 10^2 10^3 10^4 10^5


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