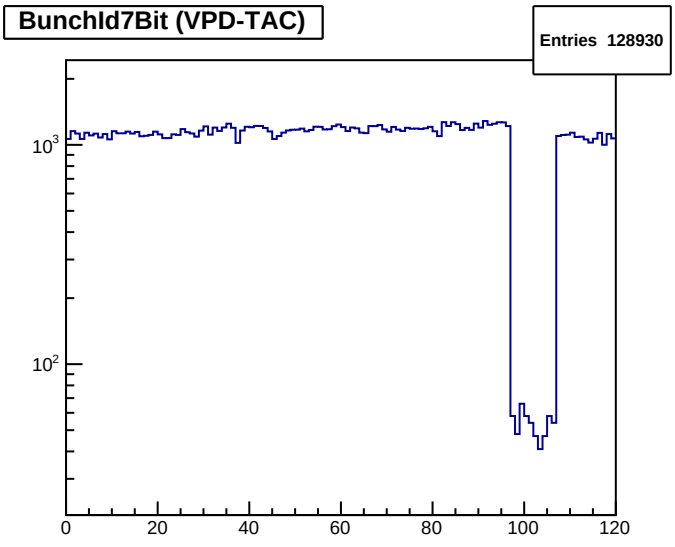
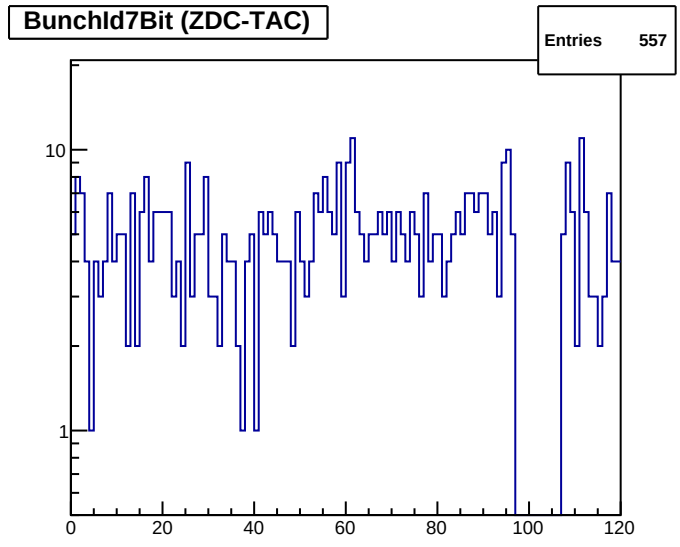
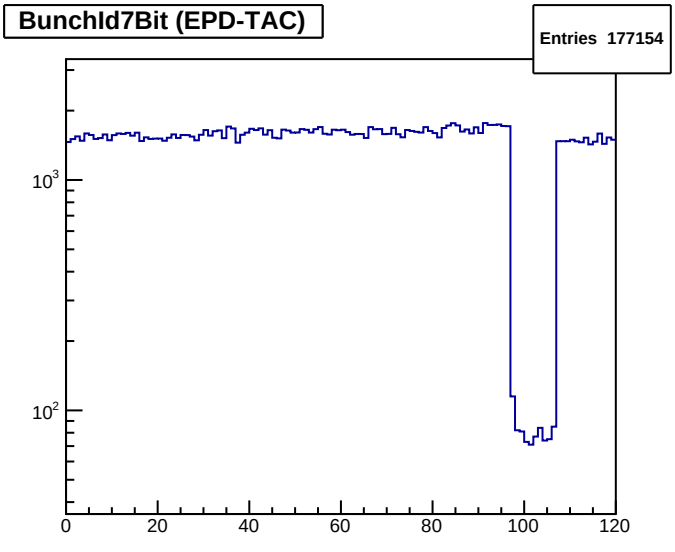
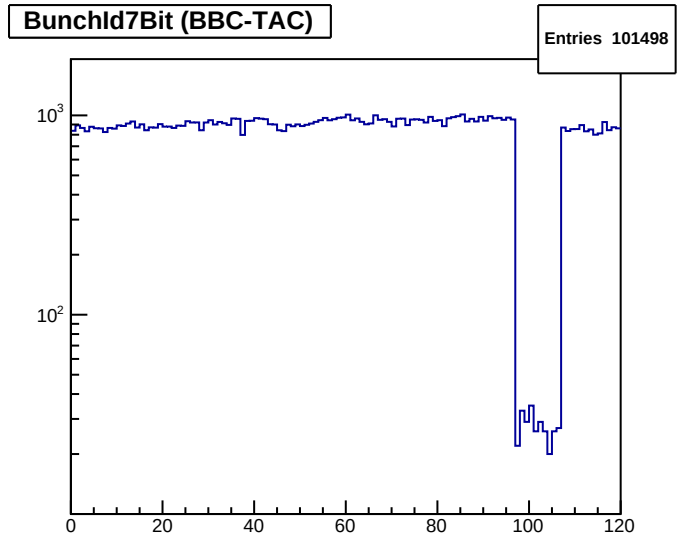
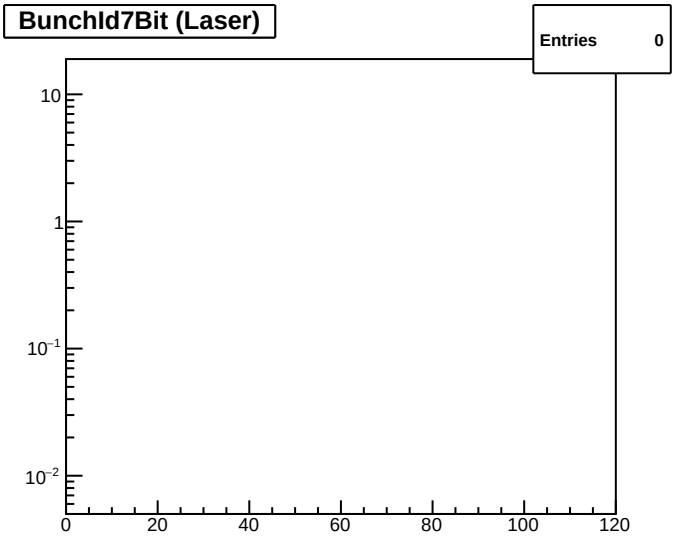
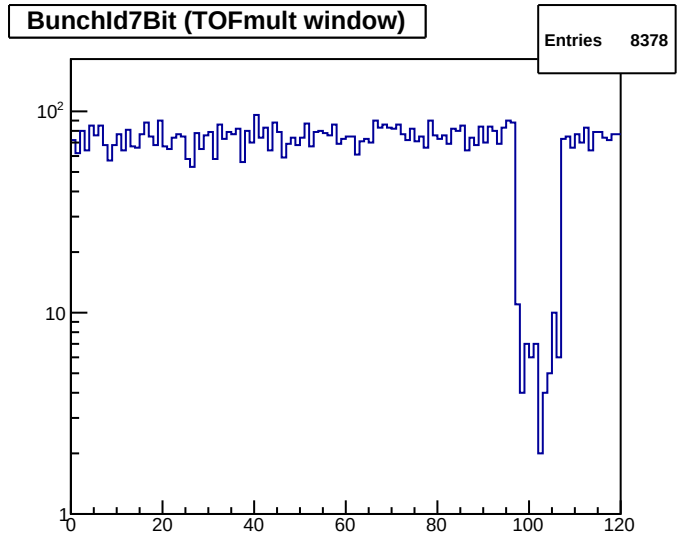

BunchId7Bit (VPD-TAC)
Entries 128930
10^3
10^2
0 20 40 60 80 100 120

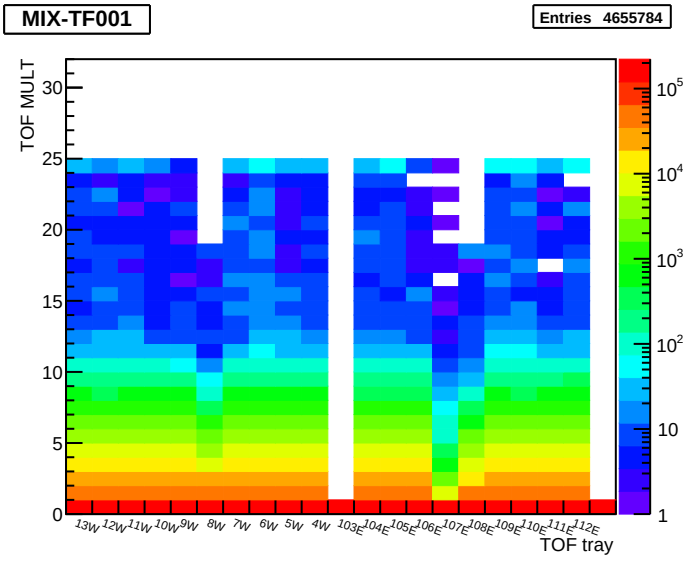

BunchId7Bit (ZDC-TAC)
Entries 557
10
1
0 20 40 60 80 100 120

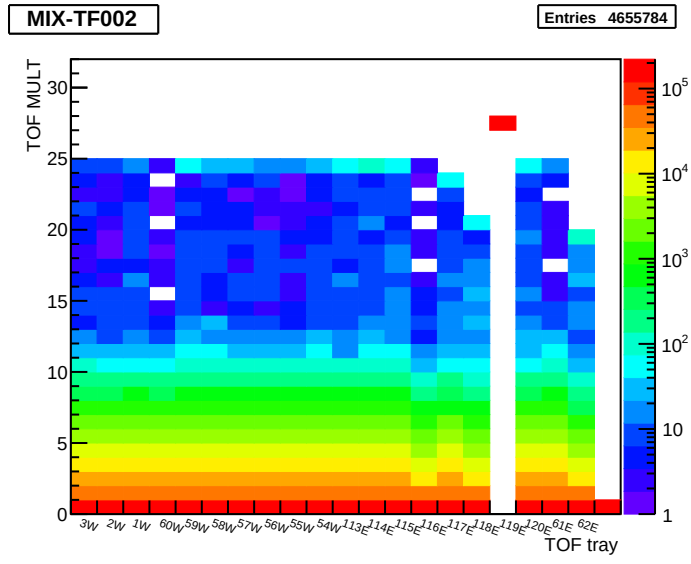

BunchId7Bit (EPD-TAC)
Entries 177154
10^3
10^2
0 20 40 60 80 100 120

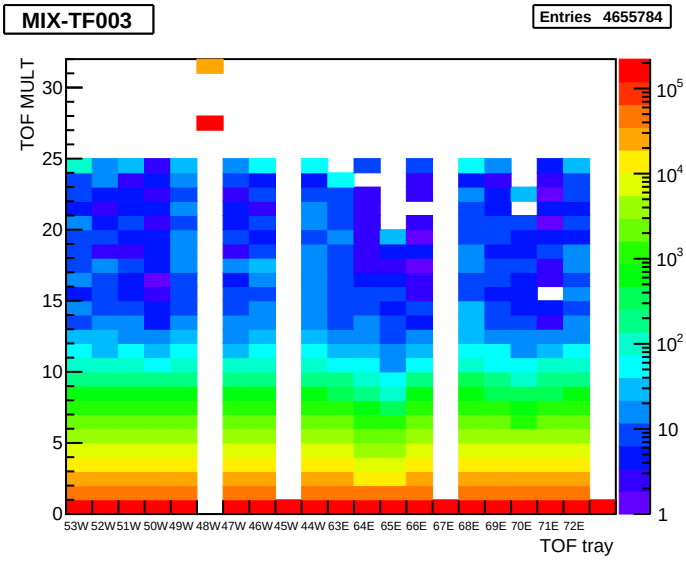

BunchId7Bit (BBC-TAC)
Entries 101498
10^3
10^2
0 20 40 60 80 100 120

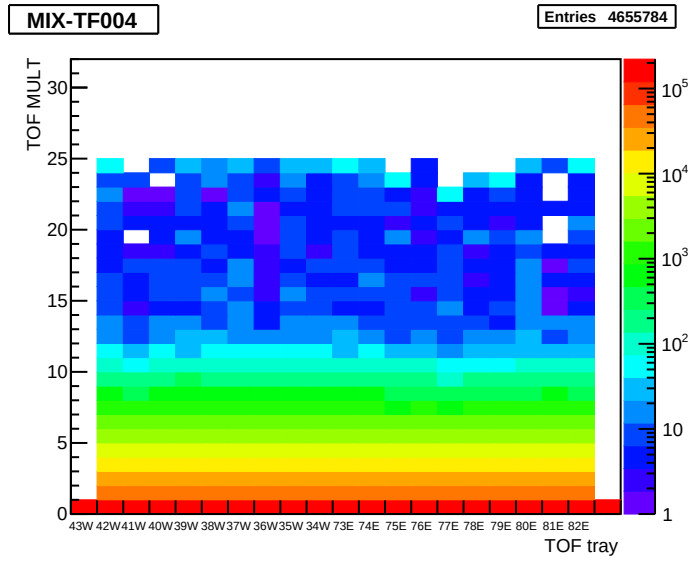

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

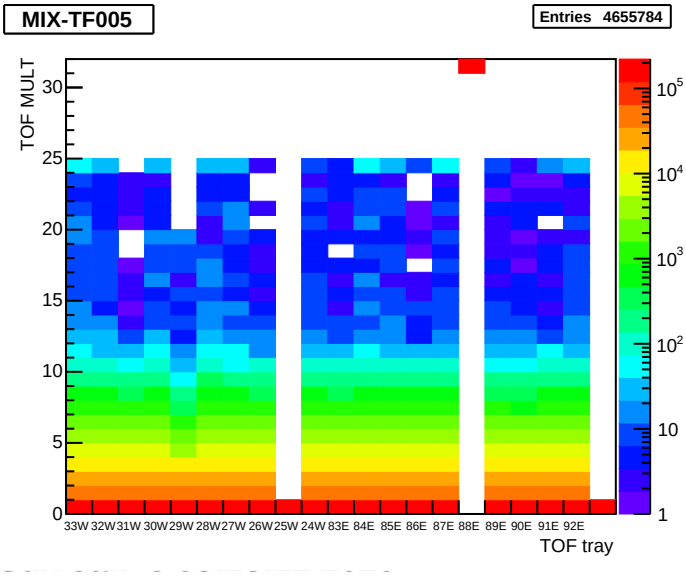

BunchId7Bit (TOFmult window)
Entries 8378
10^2
10
1
0 20 40 60 80 100 120

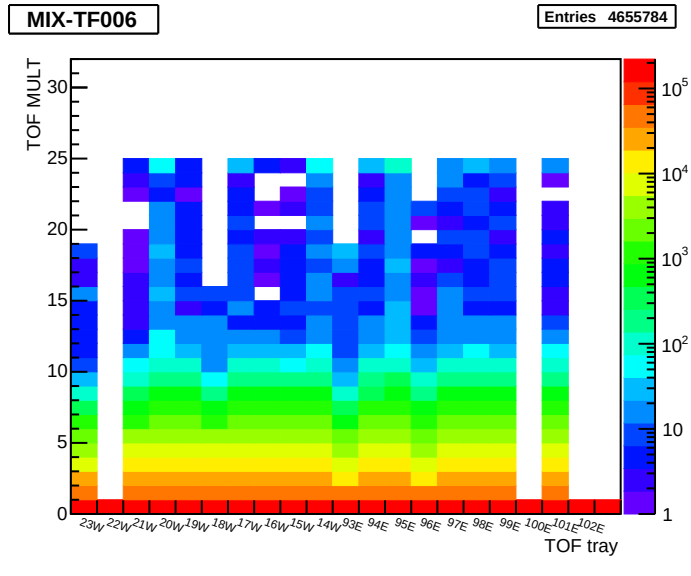

MIX-TF001
Entries 4655784
TOF MULT
TOF tray

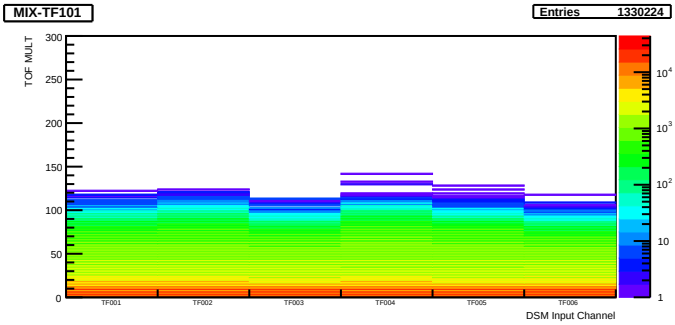

MIX-TF002
Entries 4655784
TOF MULT
TOF tray

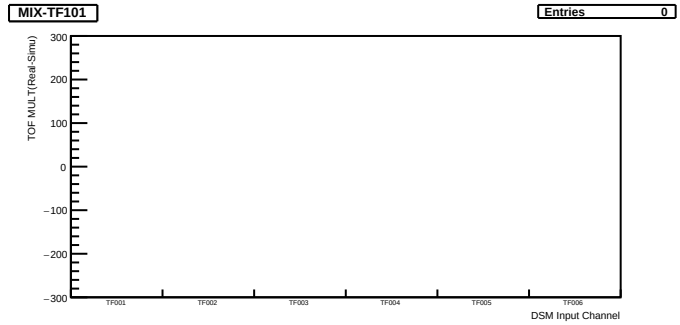

MIX-TF003
Entries 4655784
TOF MULT
TOF tray

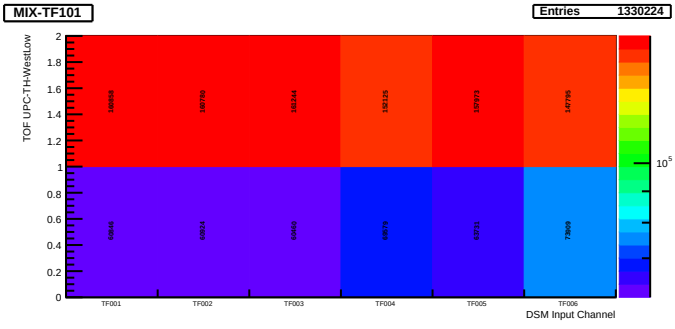

MIX-TF004
Entries 4655784
TOF MULT
TOF tray

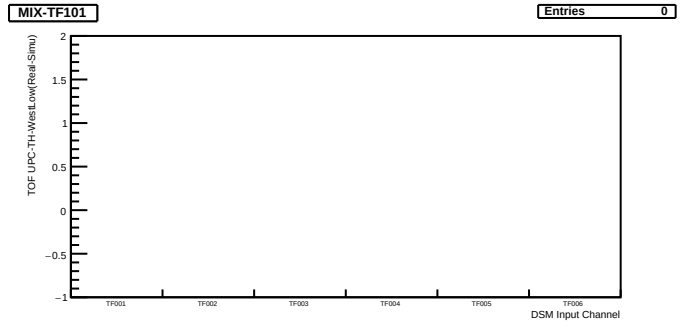

MIX-TF005
Entries 4655784
TOF MULT
TOF tray

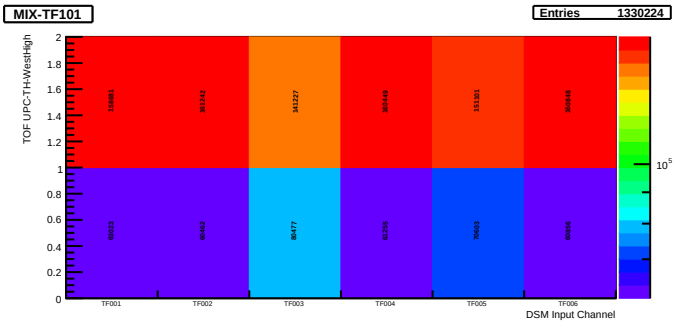

MIX-TF006
Entries 4655784
TOF MULT
TOF tray

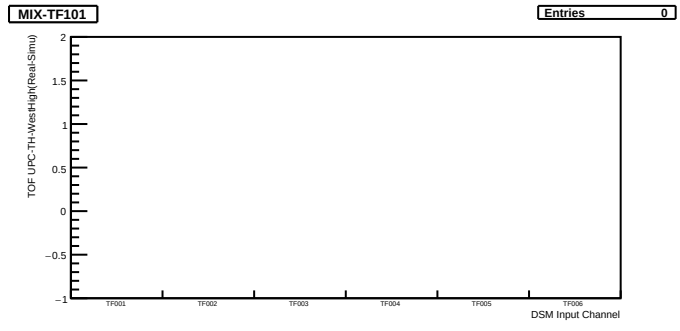

MIX-TF101
Entries 1330224
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

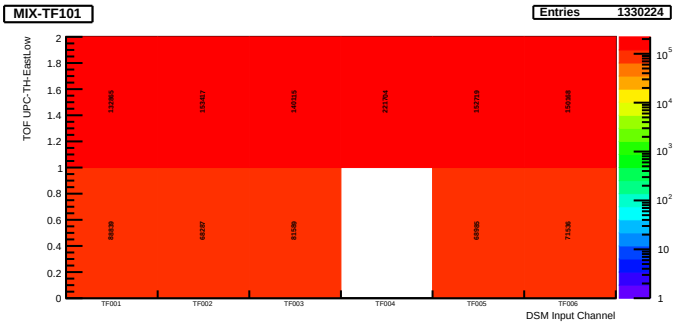

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

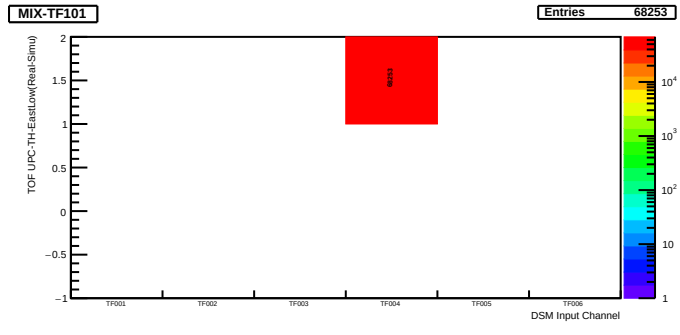

MIX-TF101
Entries 1330224
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

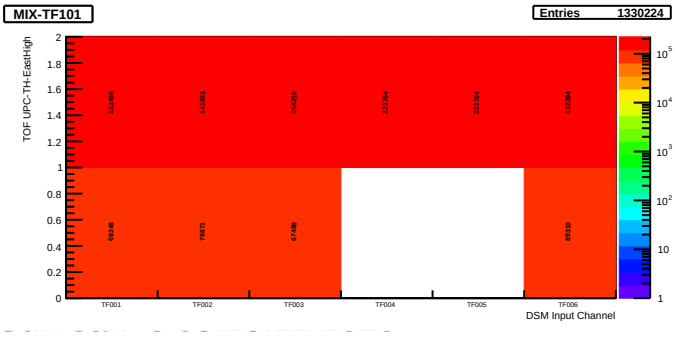

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

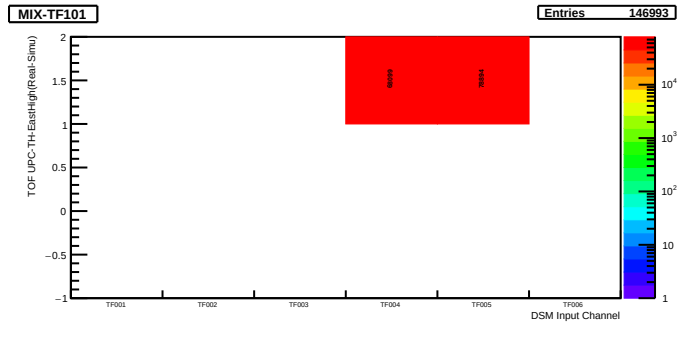

MIX-TF101
Entries 1330224
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

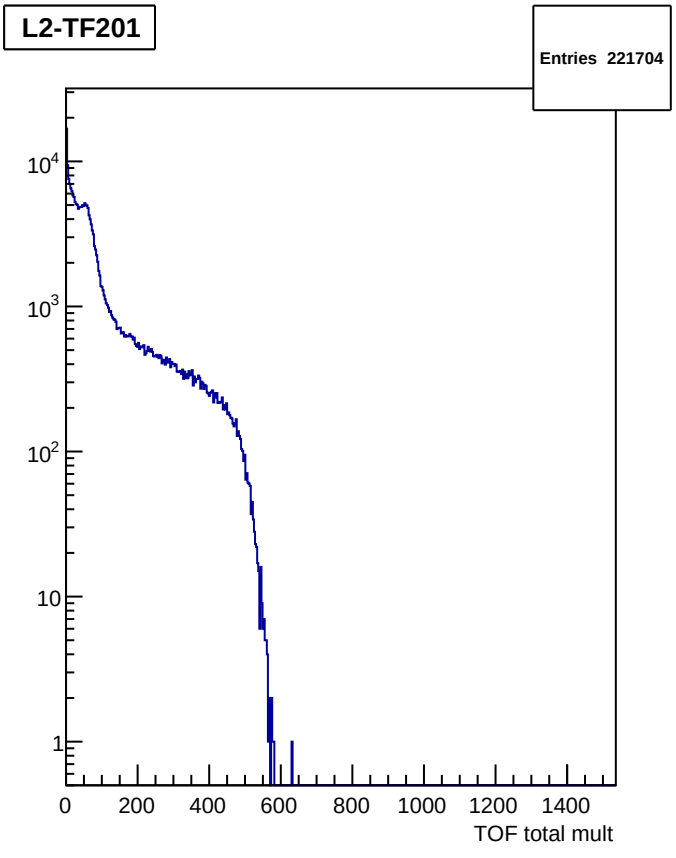

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

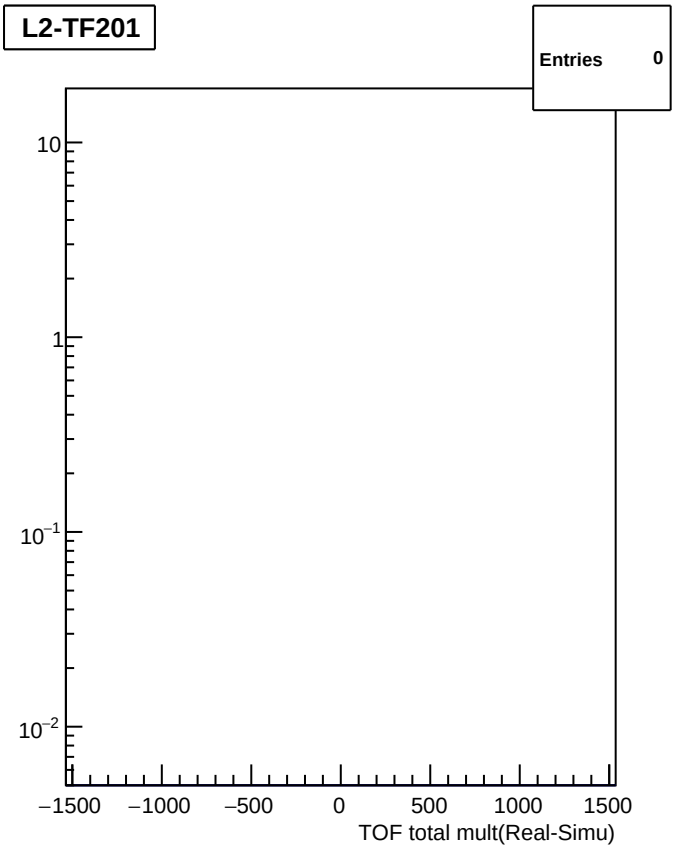

MIX-TF101
Entries 1330224
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

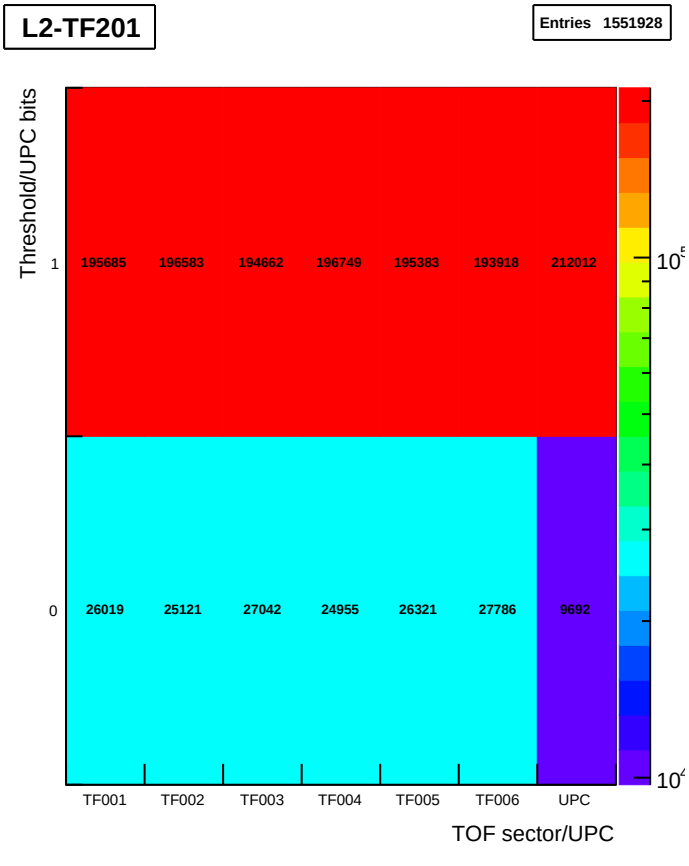

MIX-TF101
Entries 68253
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

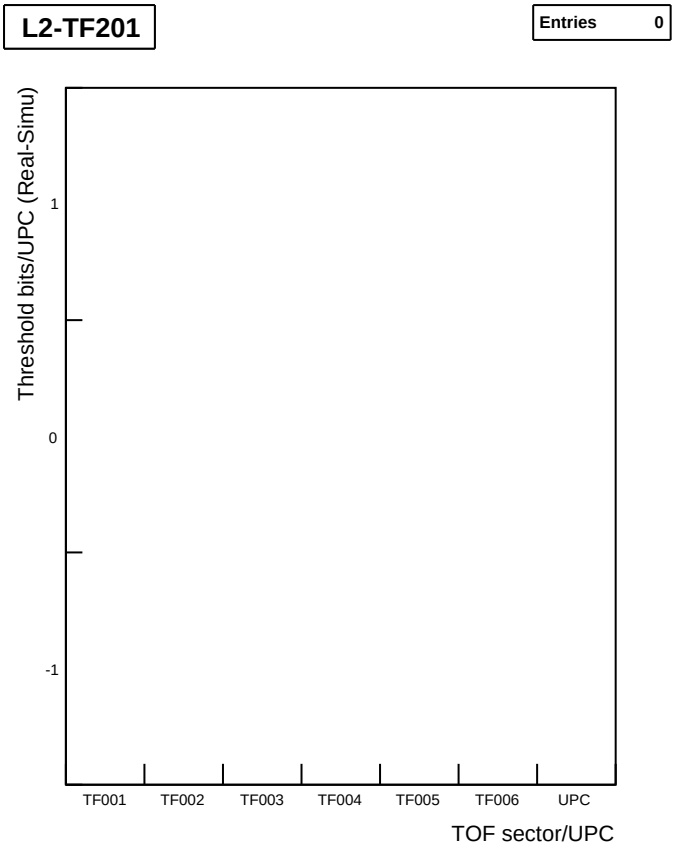

MIX-TF101
Entries 1330224
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

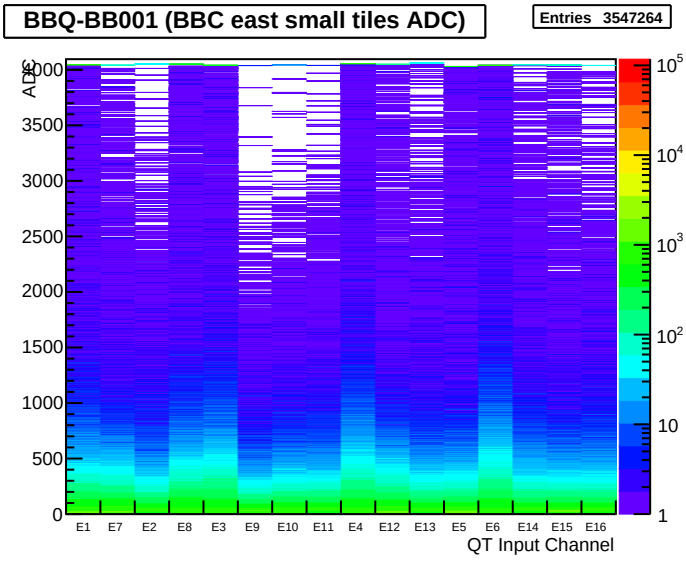

MIX-TF101
Entries 146993
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

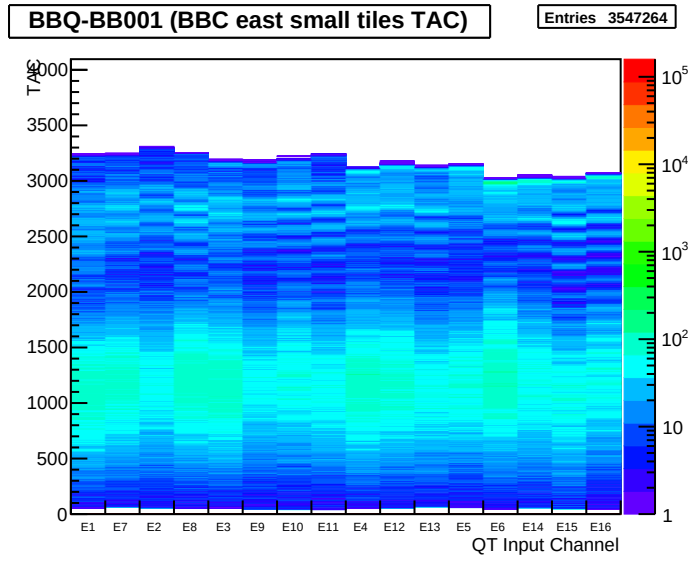

L2-TF201
Entries 221704
TOF total mult

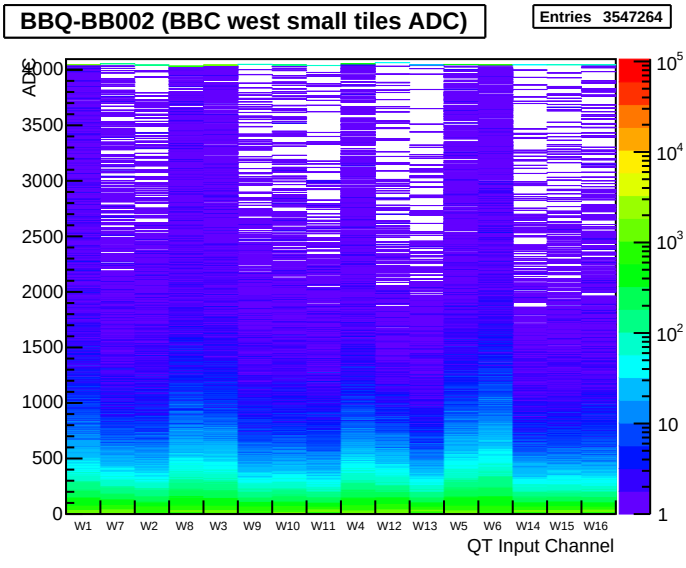

L2-TF201
Entries 0
TOF total mult(Real-Simu)

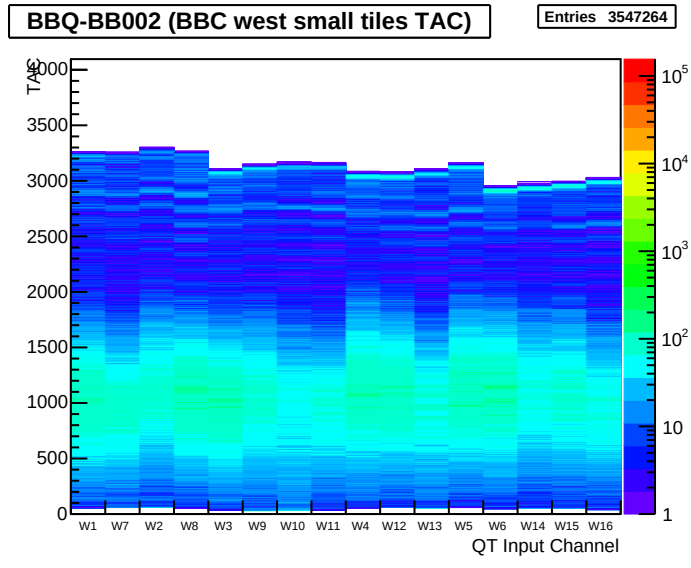

L2-TF201
Entries 1551928
Threshold/UPC bits
195685 196583 194662 196749 195383 193918 212012
26019 25121 27042 24955 26321 27786 9692
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

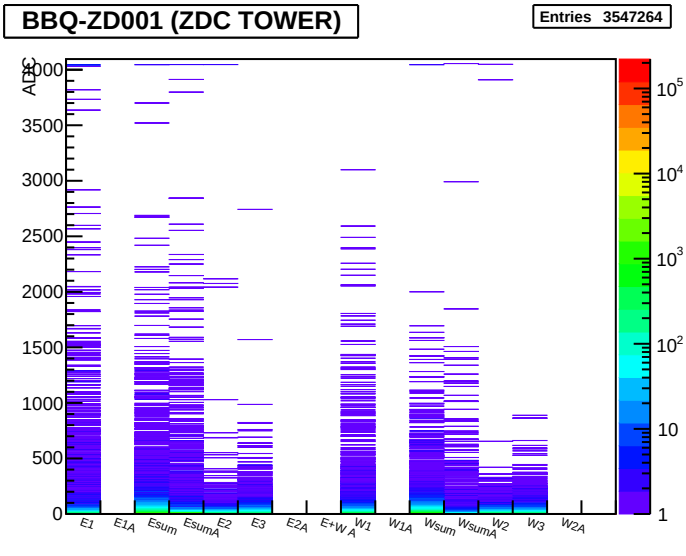

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

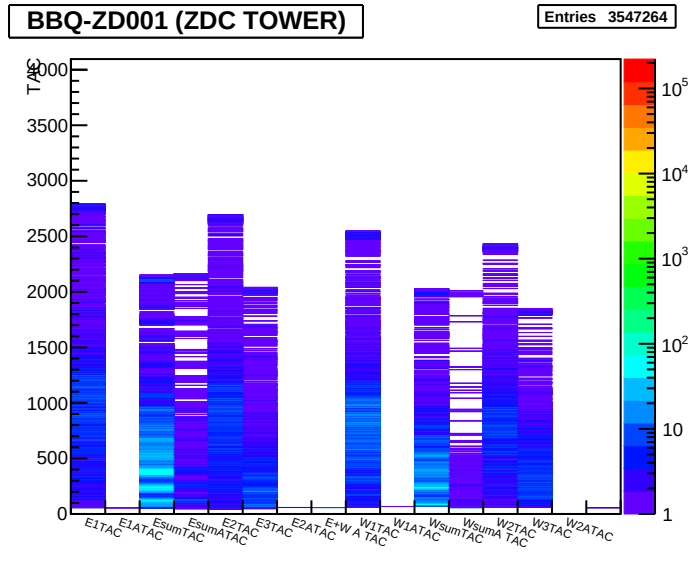

BBQ-BB001 (BBC east small tiles ADC)
Entries 3547264
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

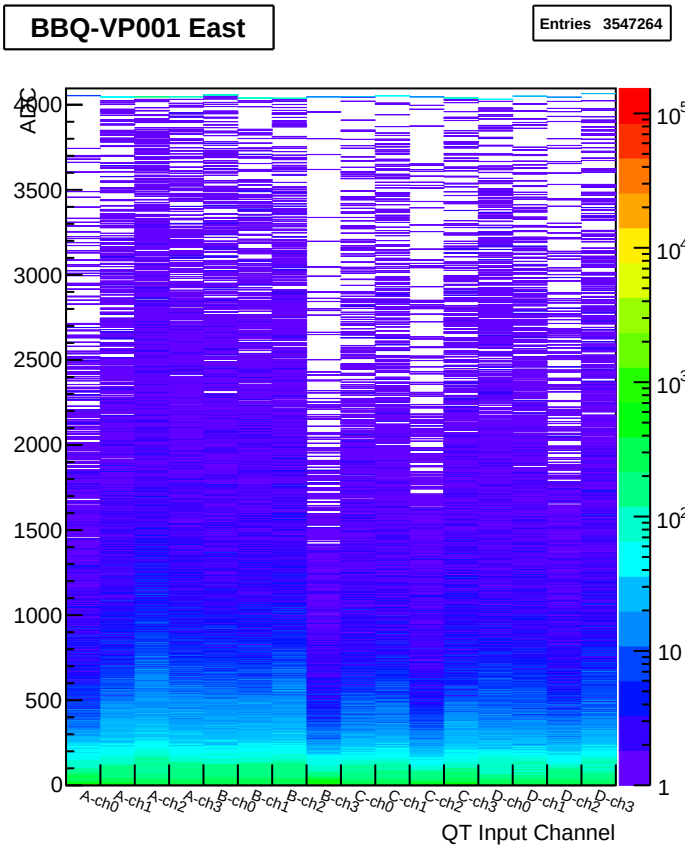

BBQ-BB001 (BBC east small tiles TAC)
Entries 3547264
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

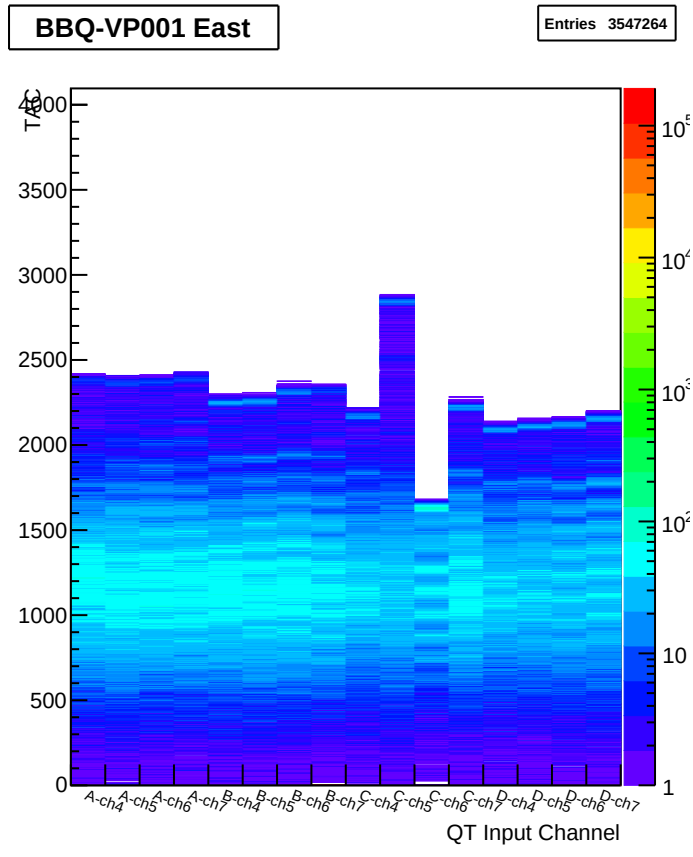

BBQ-BB002 (BBC west small tiles ADC)
Entries 3547264
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

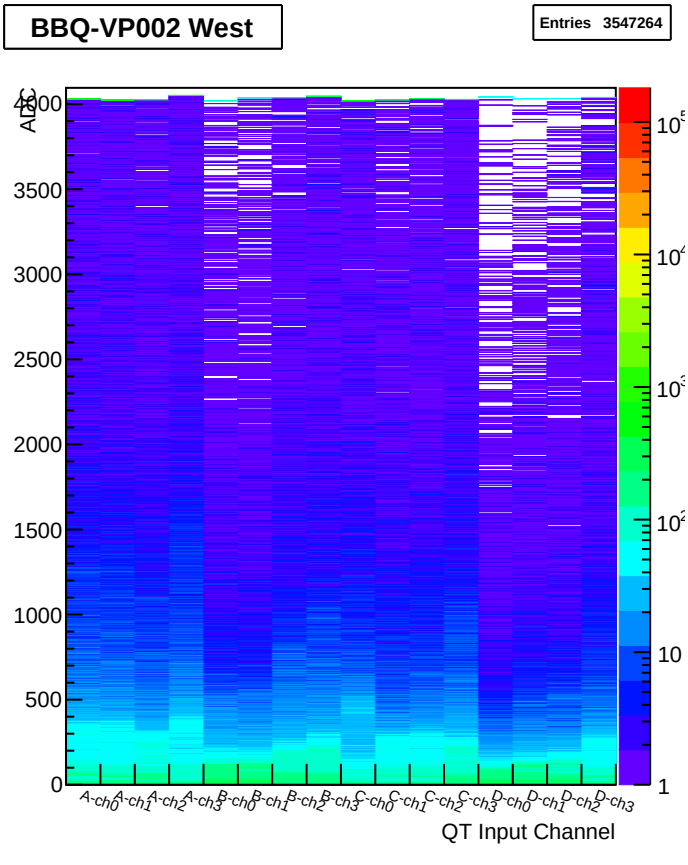

BBQ-BB002 (BBC west small tiles TAC)
Entries 3547264
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

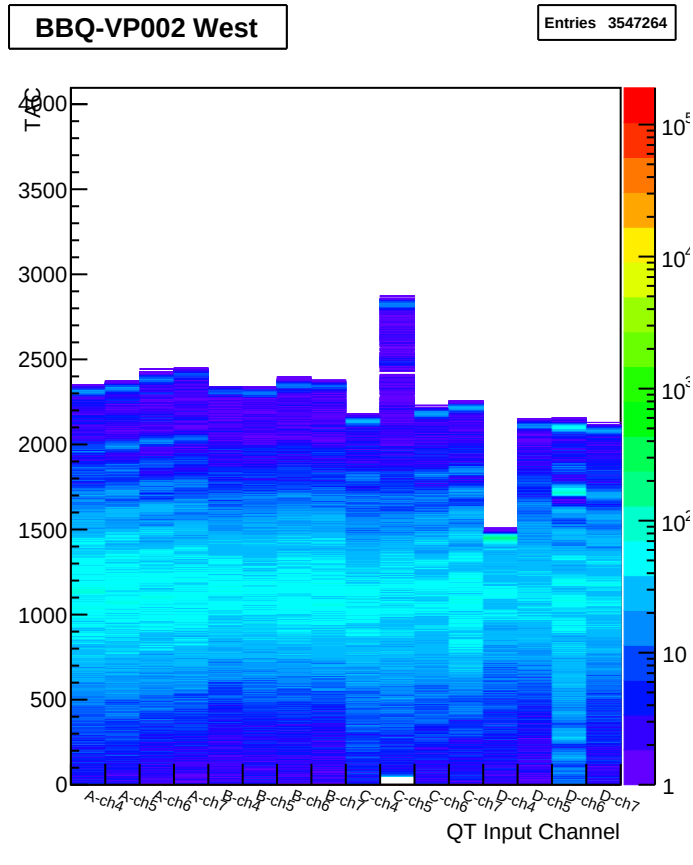

BBQ-ZD001 (ZDC TOWER)
Entries 3547264
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

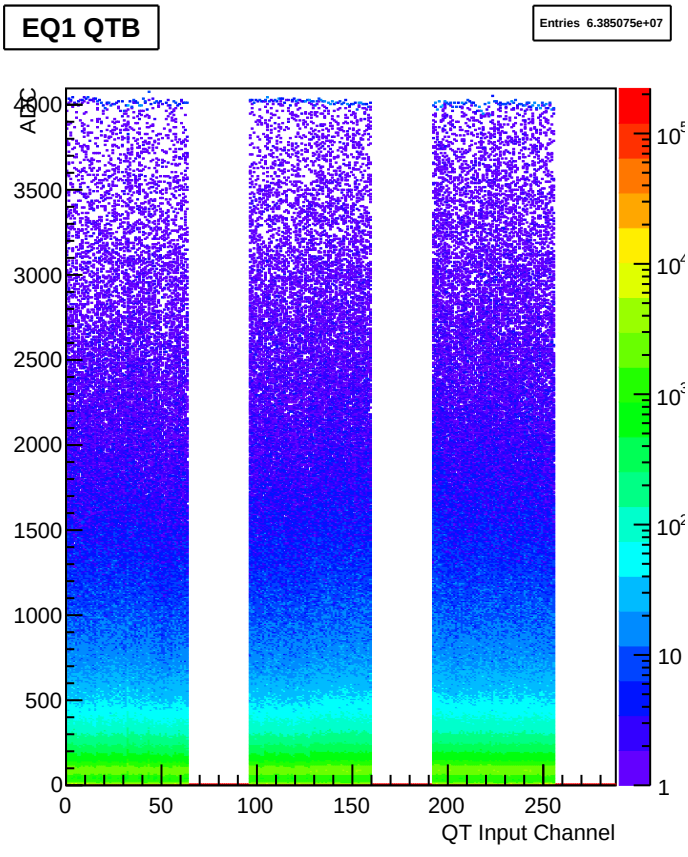

BBQ-ZD001 (ZDC TOWER)
Entries 3547264
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

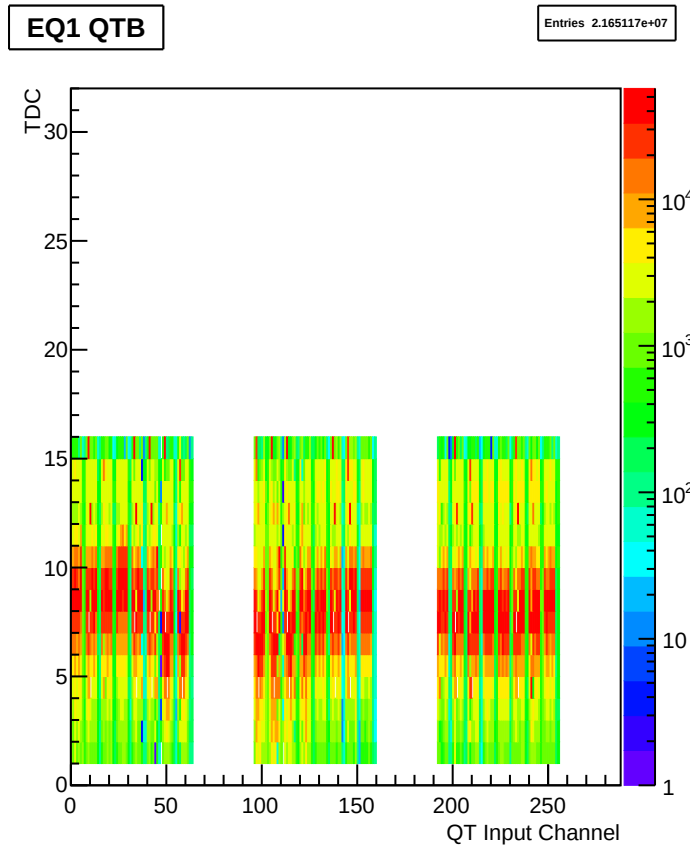

BBQ-VP001 East
Entries 3547264
ADC
QT Input Channel

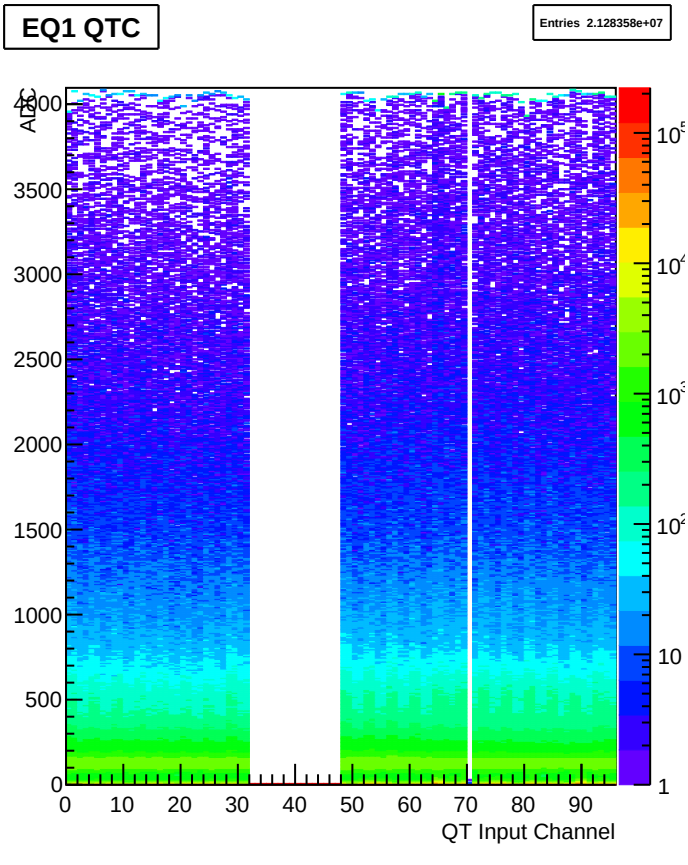

BBQ-VP001 East
Entries 3547264
TADC
QT Input Channel

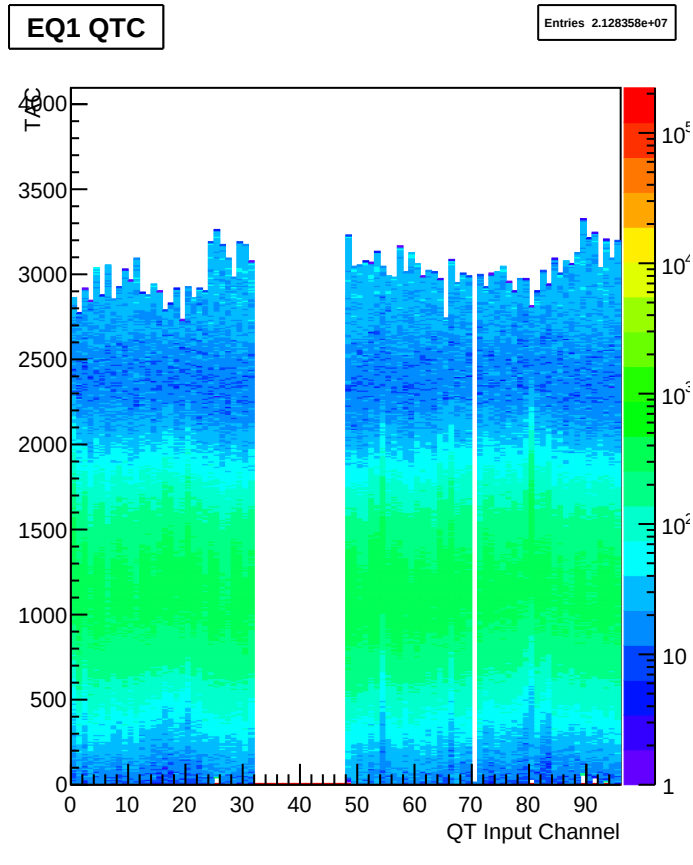

BBQ-VP002 West
Entries 3547264
ADC
QT Input Channel

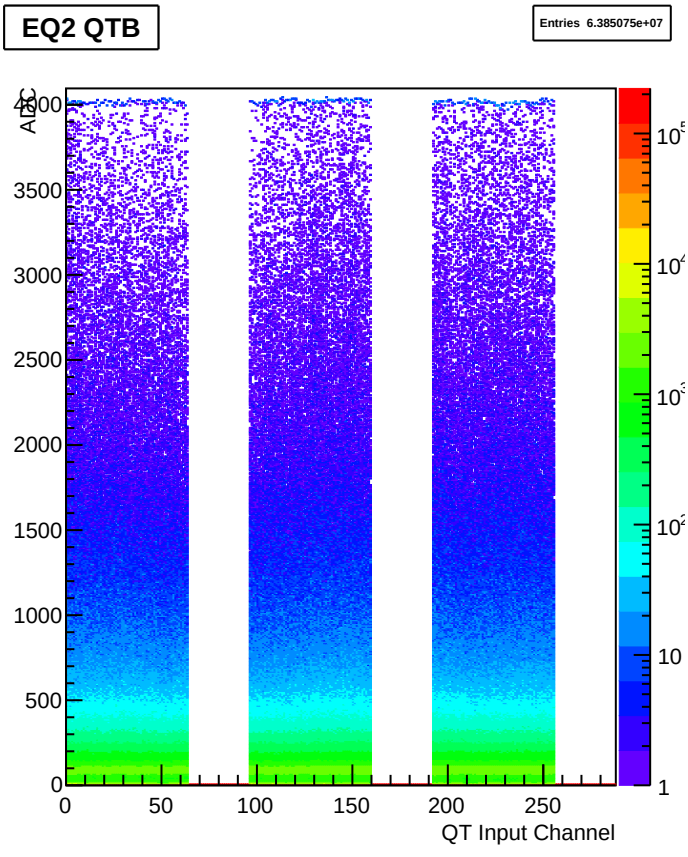

BBQ-VP002 West
Entries 3547264
TADC
QT Input Channel

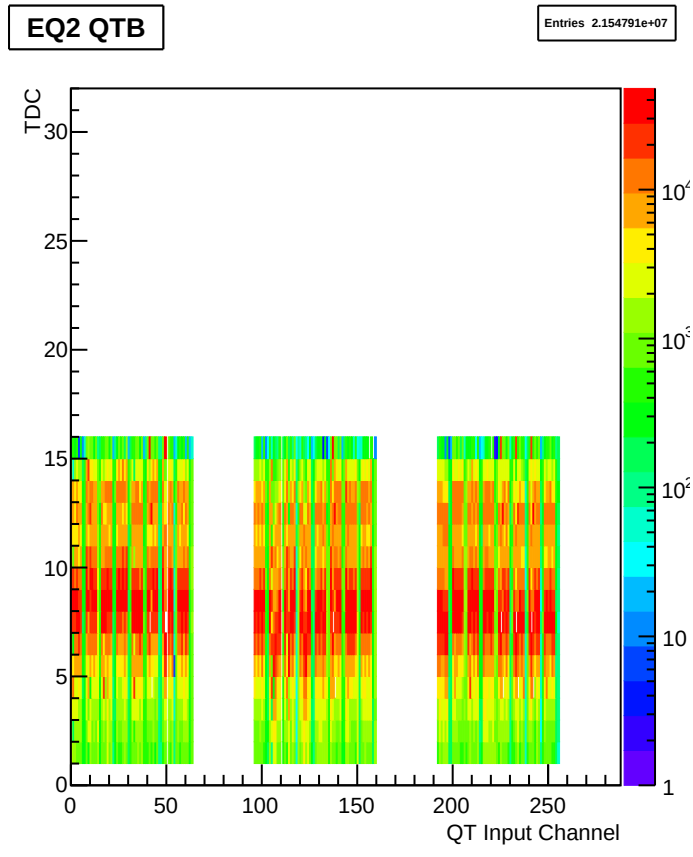

EQ1 QTB
Entries 6.385075e+07
ADC
QT Input Channel

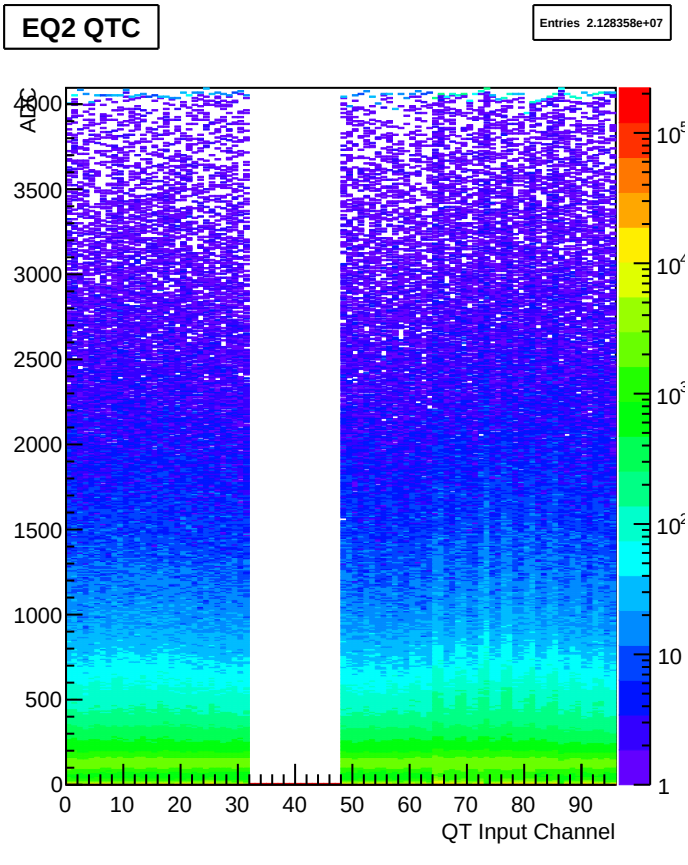

EQ1 QTB
Entries 2.165117e+07
TDC
QT Input Channel

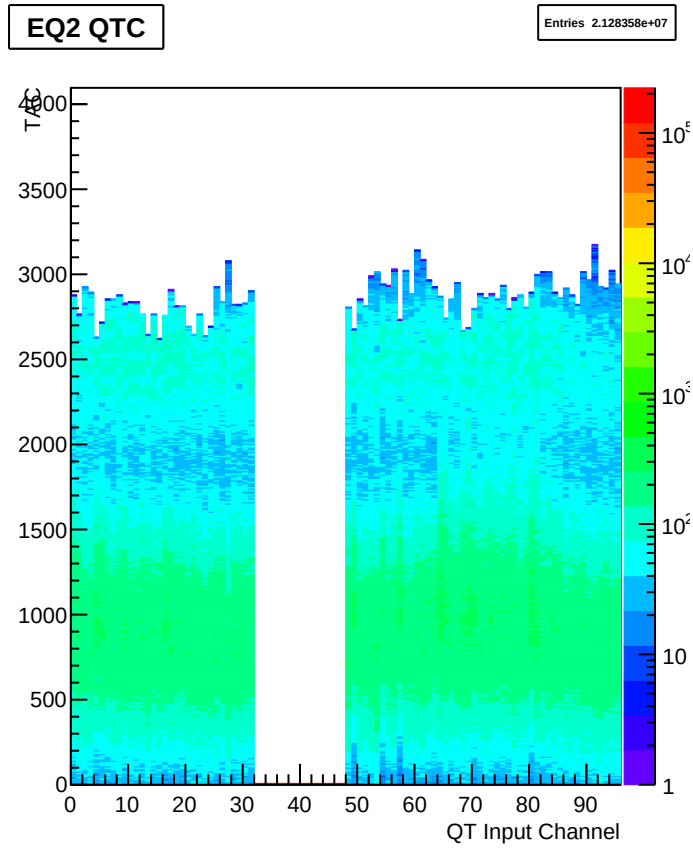

EQ1 QTC
Entries 2.128358e+07
ADC
QT Input Channel

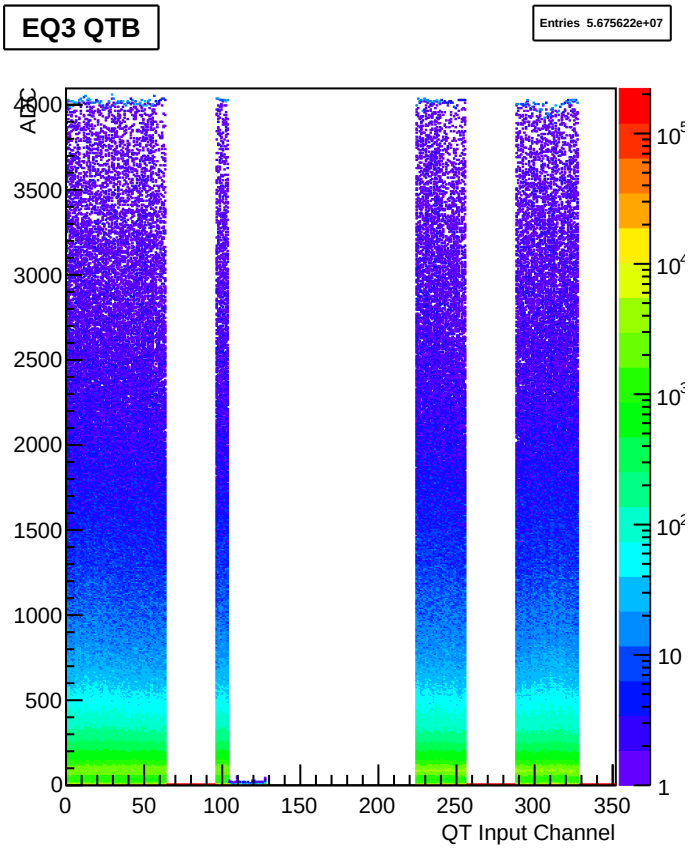

EQ1 QTC
Entries 2.128358e+07
TADC
QT Input Channel

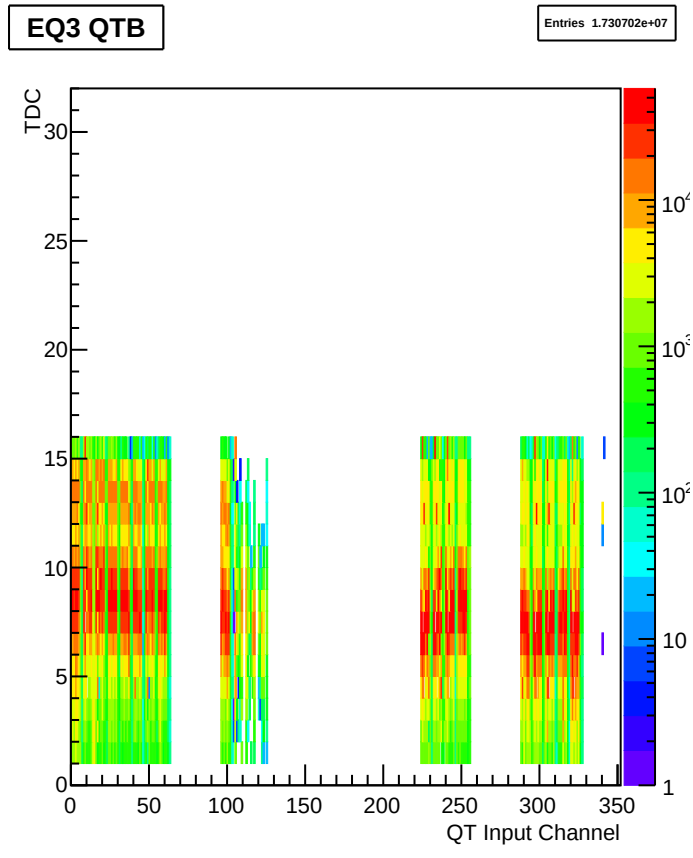

EQ2 QTB
Entries 6.385075e+07
ADC
QT Input Channel

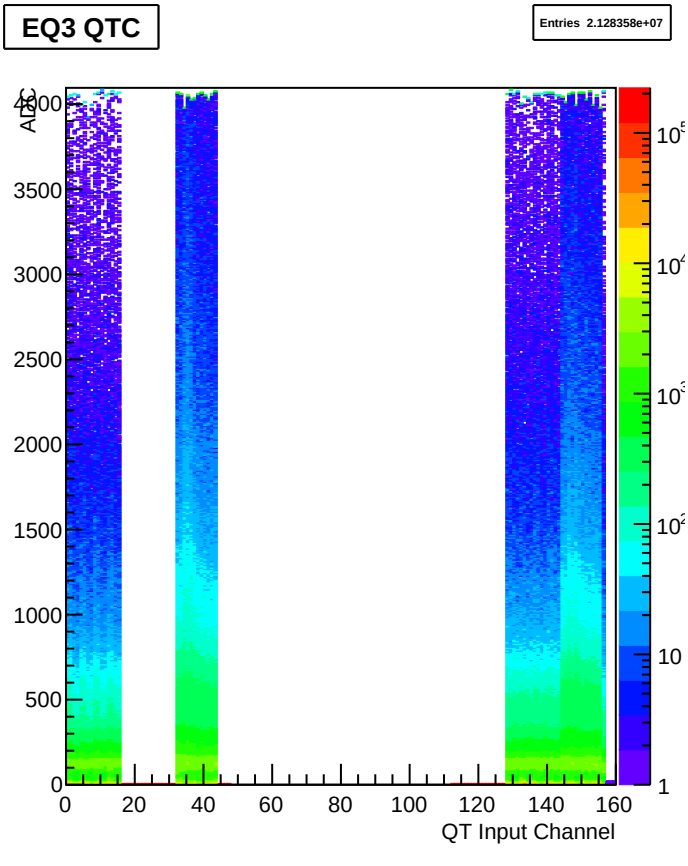

EQ2 QTB
Entries 2.154791e+07
TDC
QT Input Channel

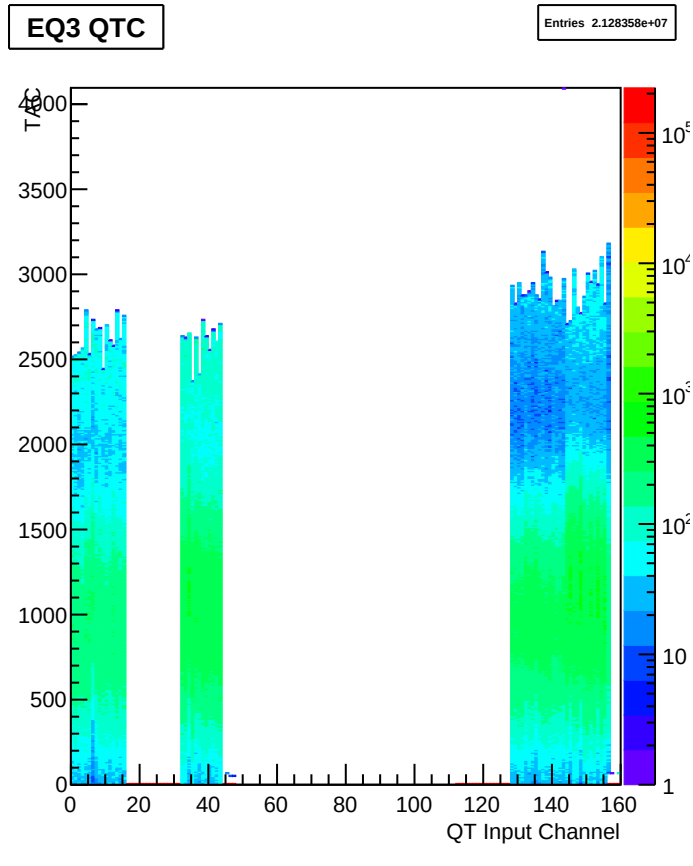

EQ2 QTC
Entries 2.128358e+07
ADC
QT Input Channel

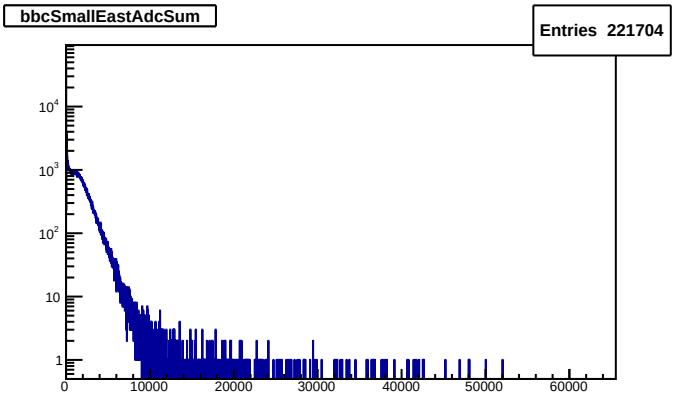

EQ2 QTC
Entries 2.128358e+07
TADC
QT Input Channel

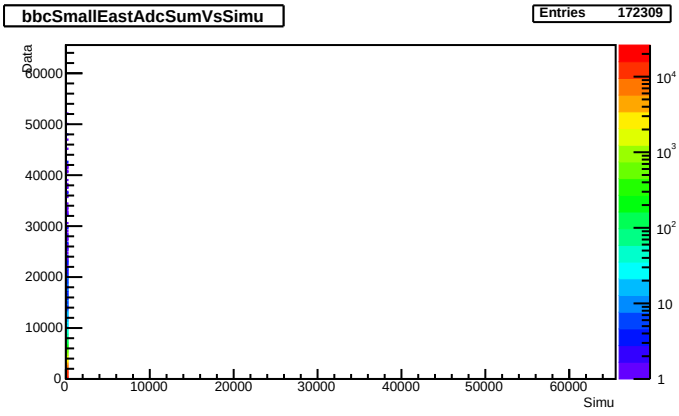

EQ3 QTB
Entries 5.675622e+07
ADC
QT Input Channel

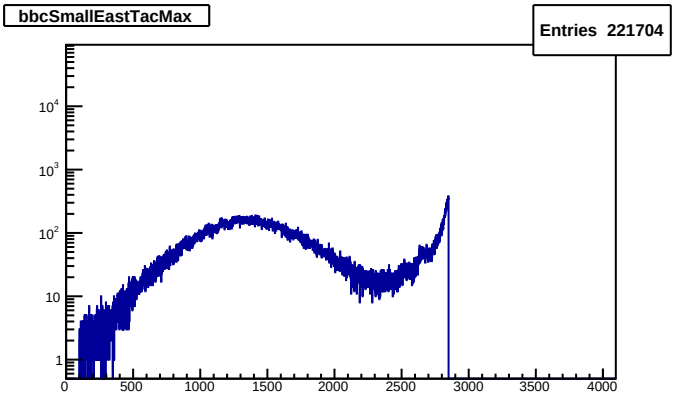

EQ3 QTB
Entries 1.730702e+07
TDC
QT Input Channel

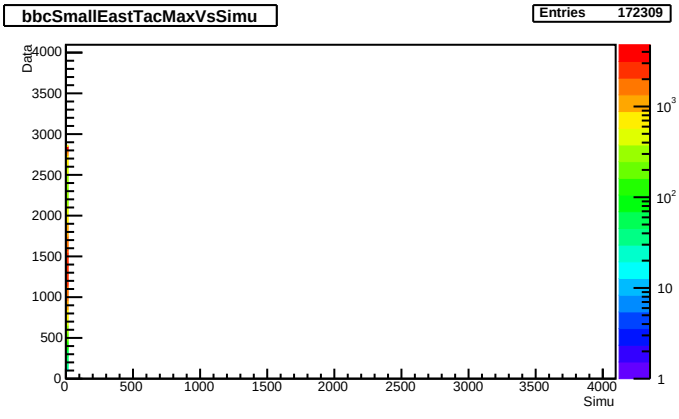

EQ3 QTC
Entries 2.128358e+07
ADC
QT Input Channel

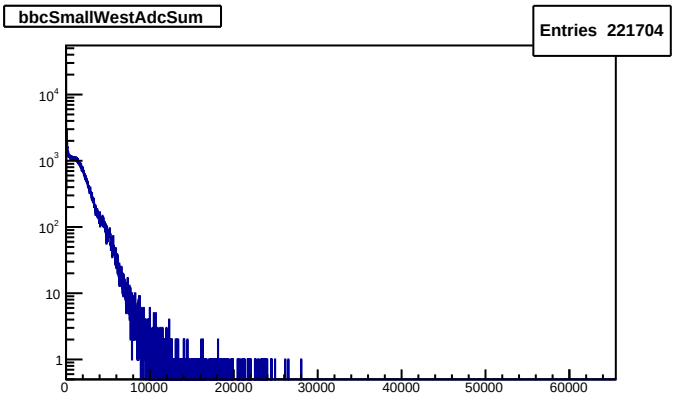

EQ3 QTC
Entries 2.128358e+07
TADC
QT Input Channel

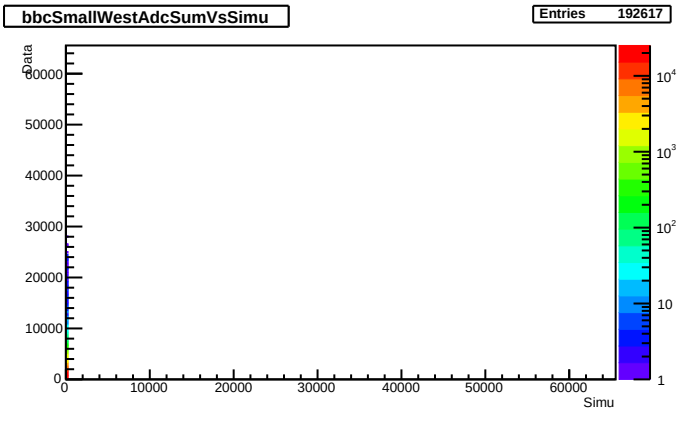

bbcSmallEastAdcSum
Entries 221704


bbcSmallEastAdcSumVsSimu
Entries 172309
Data
Simu


bbcSmallEastTacMax
Entries 221704


bbcSmallEastTacMaxVsSimu
Entries 172309
Data
Simu


bbcSmallWestAdcSum
Entries 221704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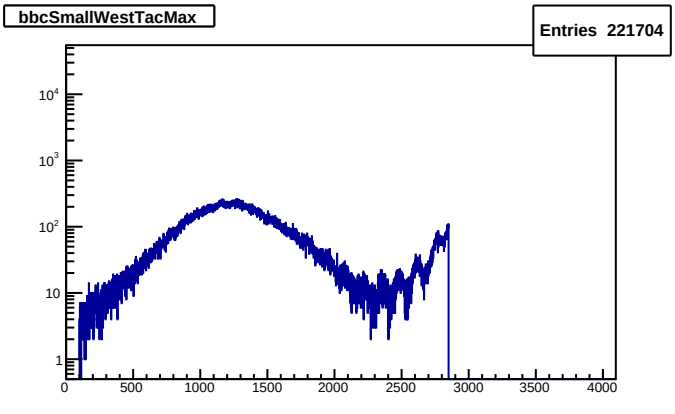
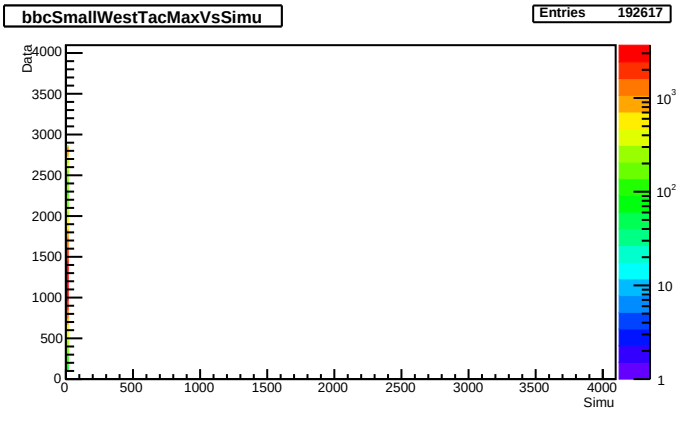
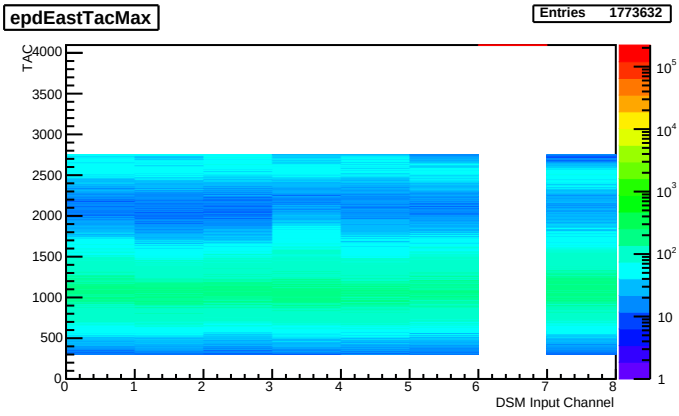
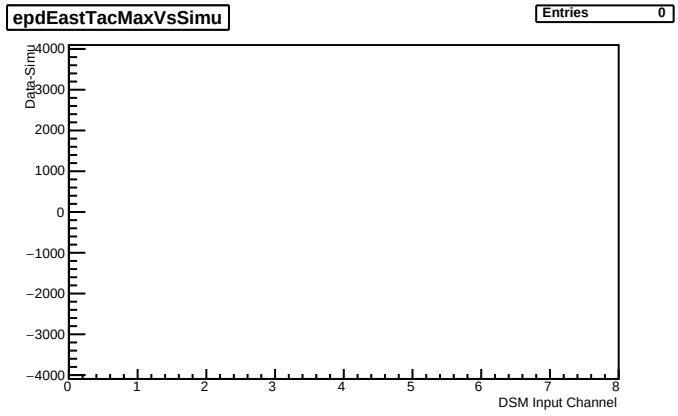
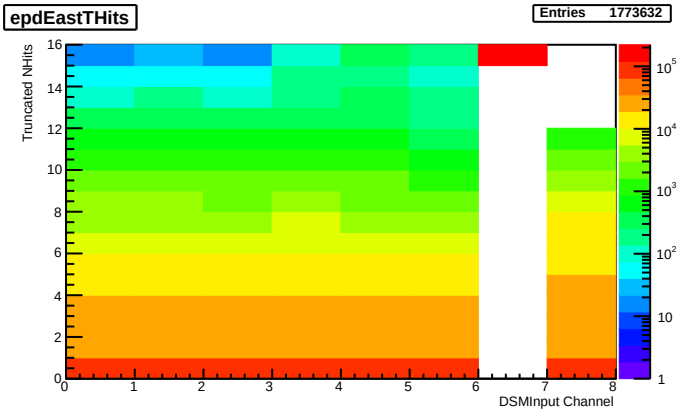
Entries 192617
Data
Simu

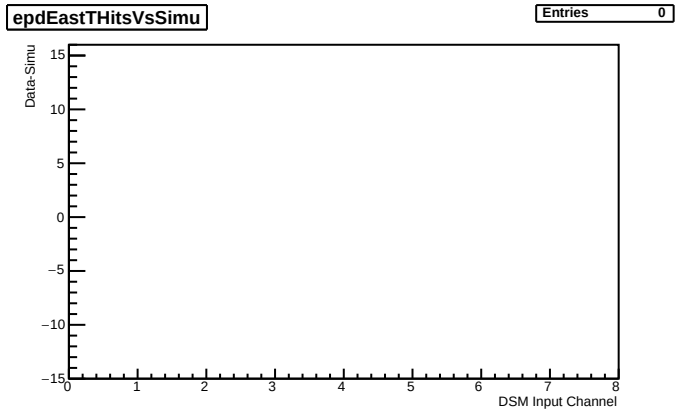

bbcSmallWestTacMax
Entries 221704

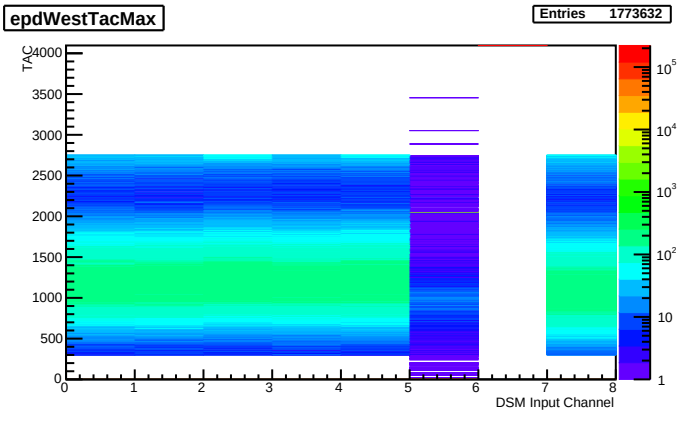

bbcSmallWestTacMaxVsSimu
Entries 192617
Data
Simu

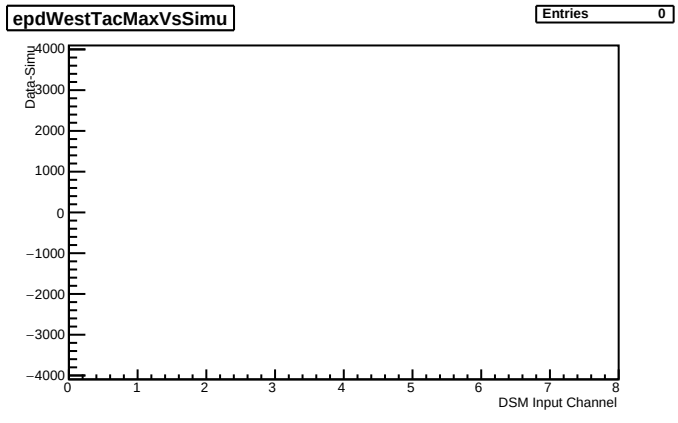

epdEastTacMax
Entries 1773632
TAC
DSM Input Channel

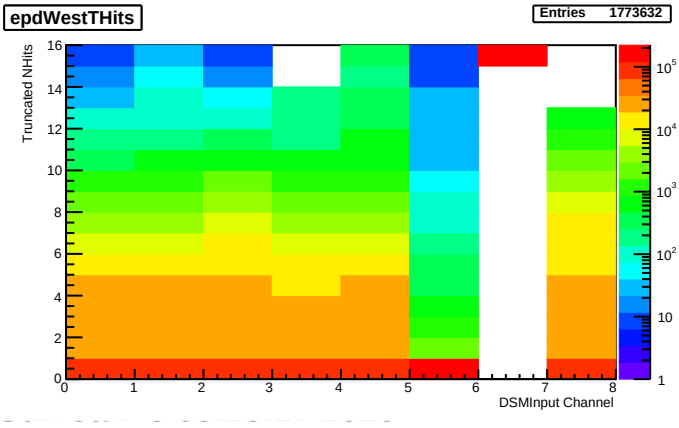

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

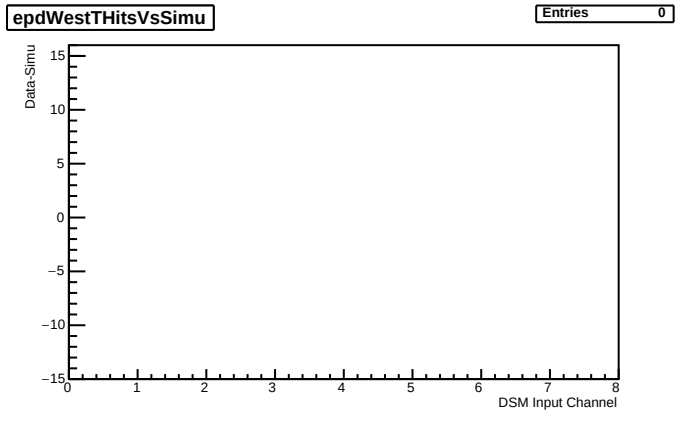

epdEastTHits
Entries 1773632
Truncated NHits
DSMInput Channel

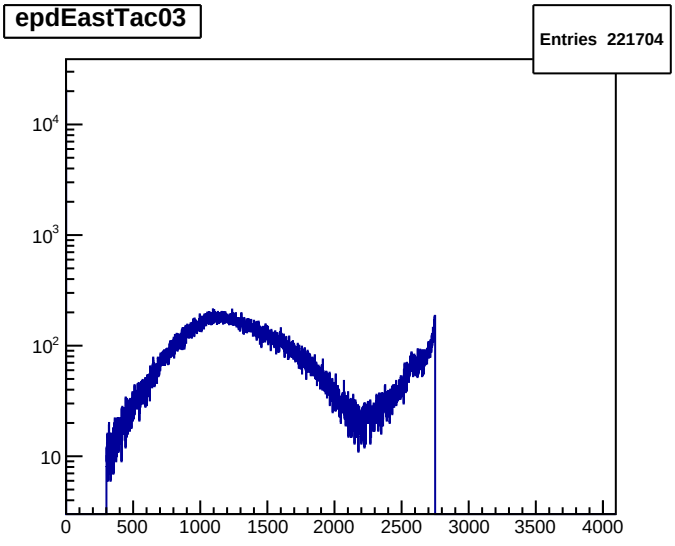

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

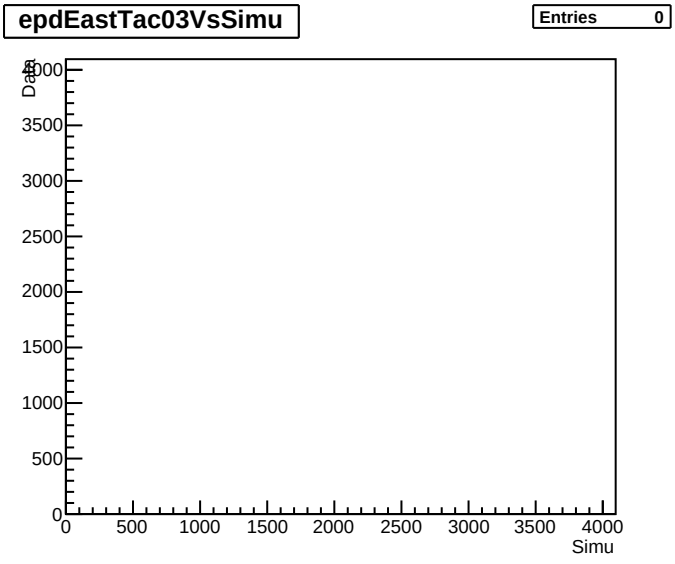

epdWestTacMax
Entries 1773632
TAC
DSM Input Channel

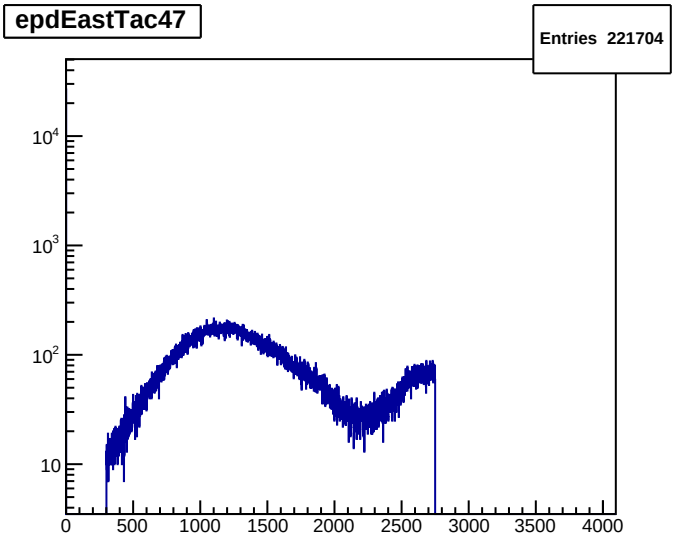

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

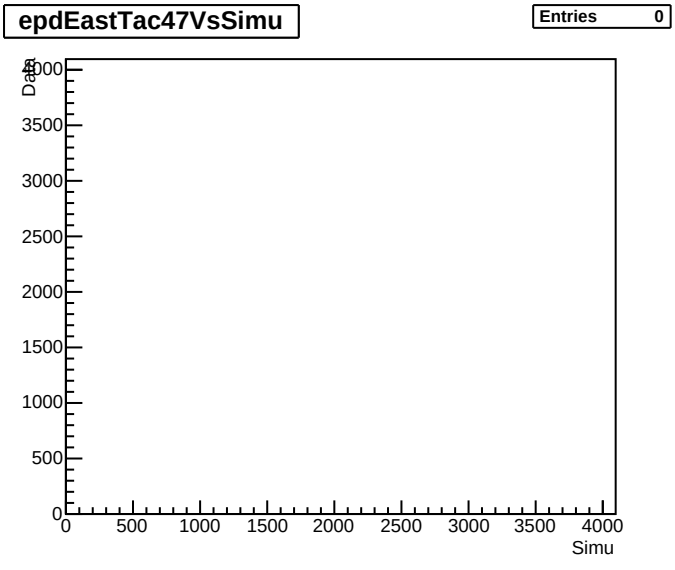

epdWestTHits
Entries 1773632
Truncated NHits
DSMInput Channel

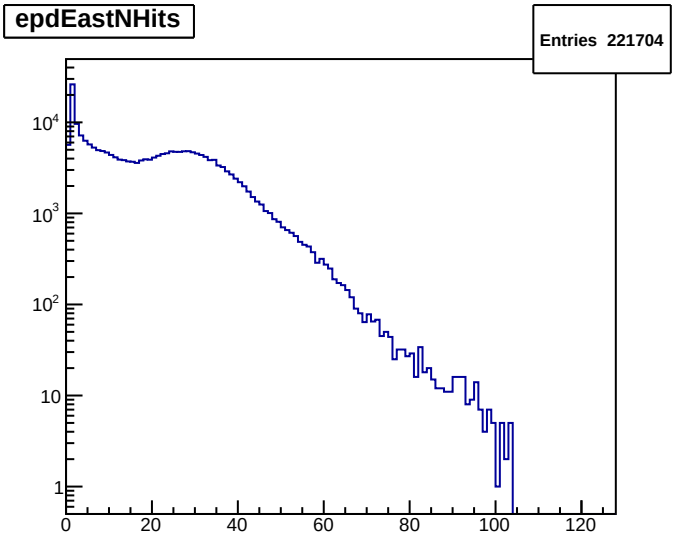

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

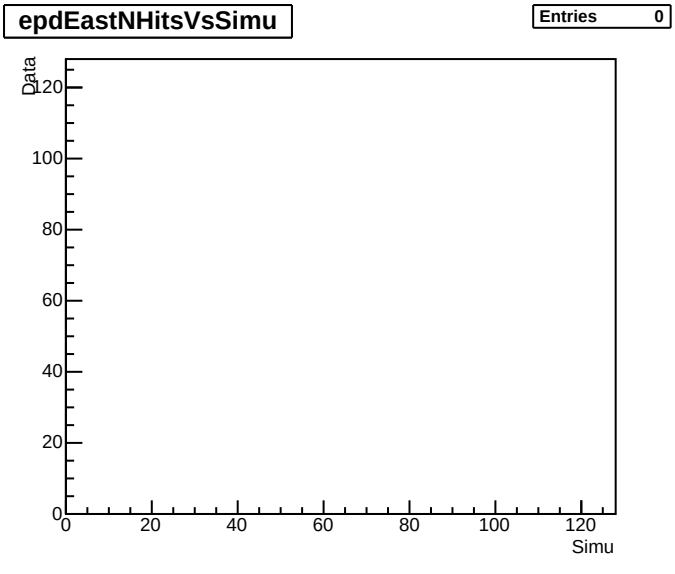

epdEastTac03
Entries 221704

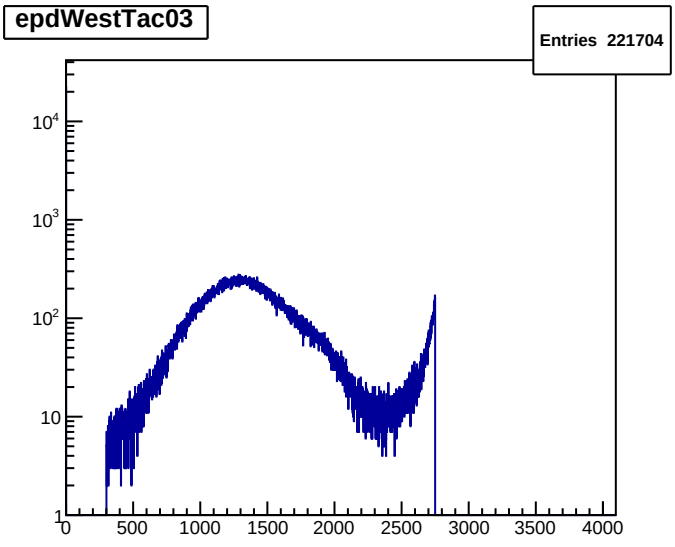

epdEastTac03VsSimu
Entries 0
Data
Simu

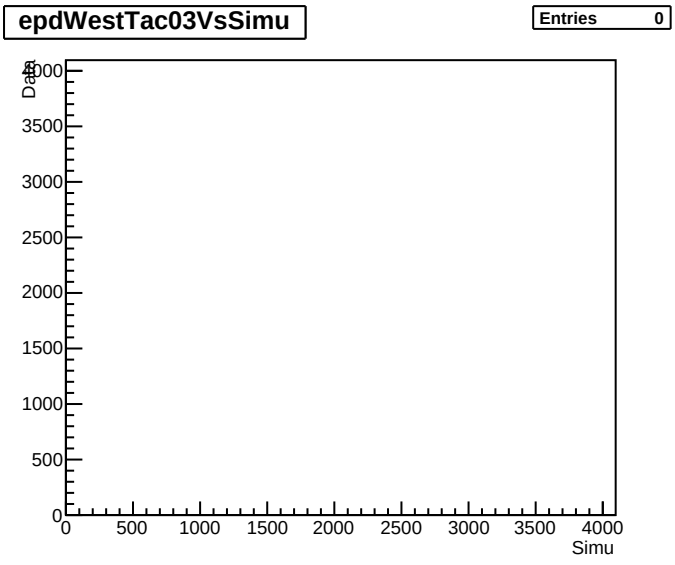

epdEastTac47
Entries 221704

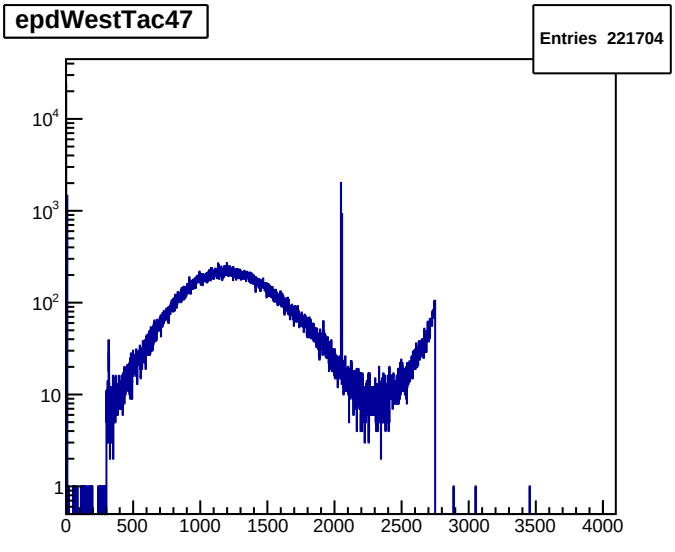

epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 221704


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 221704


epdWestTac03VsSimu
Entries 0
Data
Simu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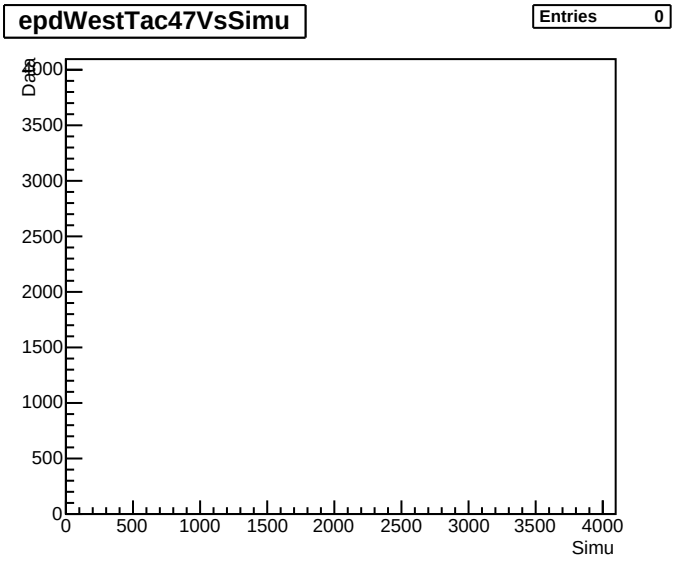
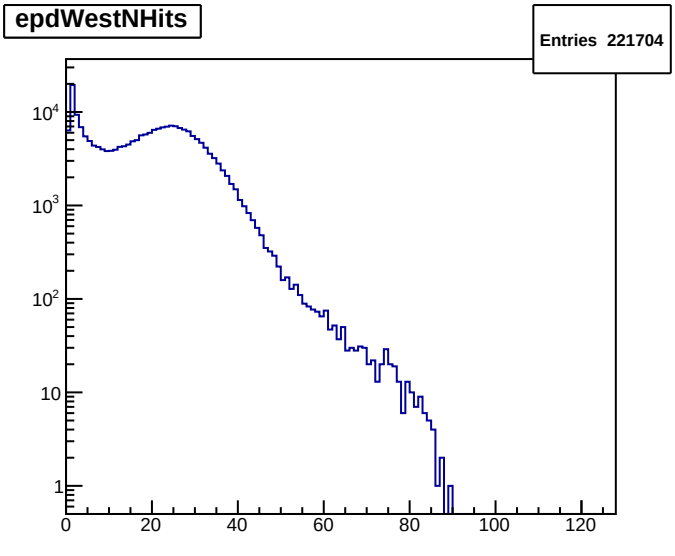
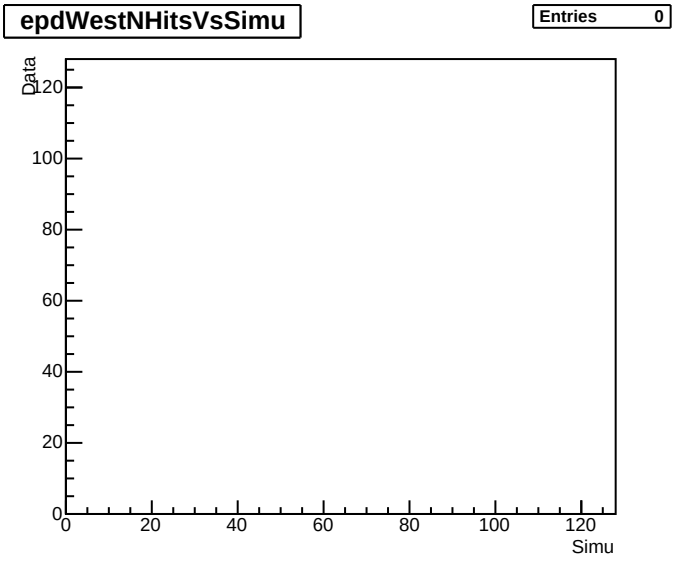
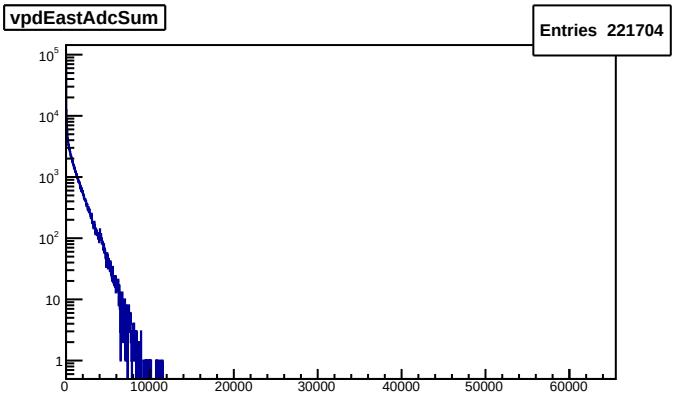
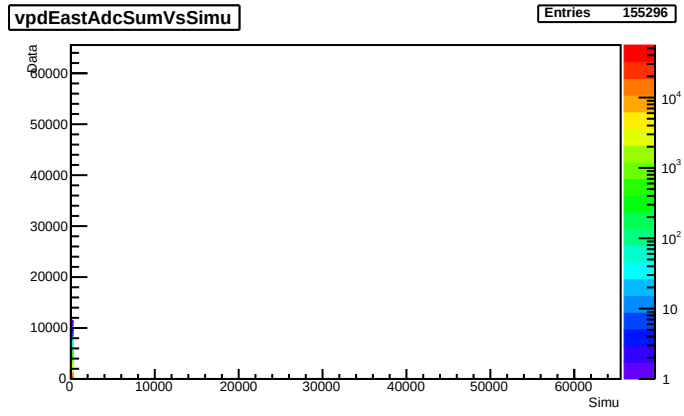
Entries 221704

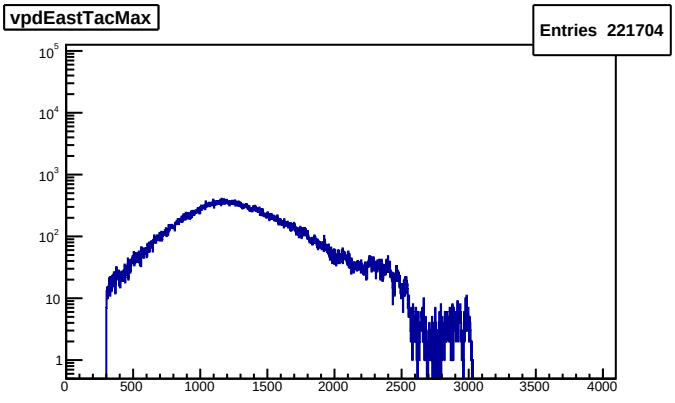

epdWestTac47VsSimu
Entries 0
Data
Simu

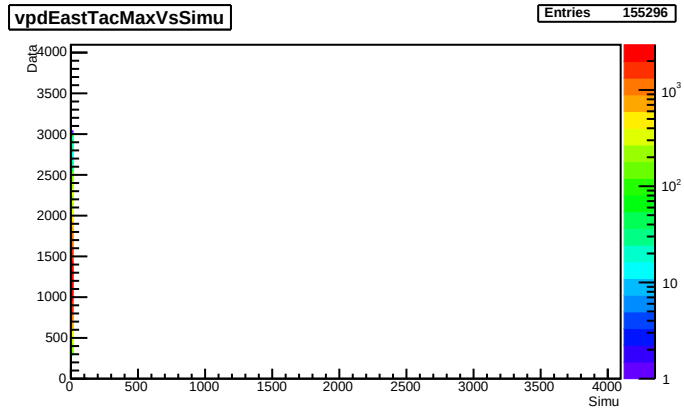

epdWestNHits
Entries 221704

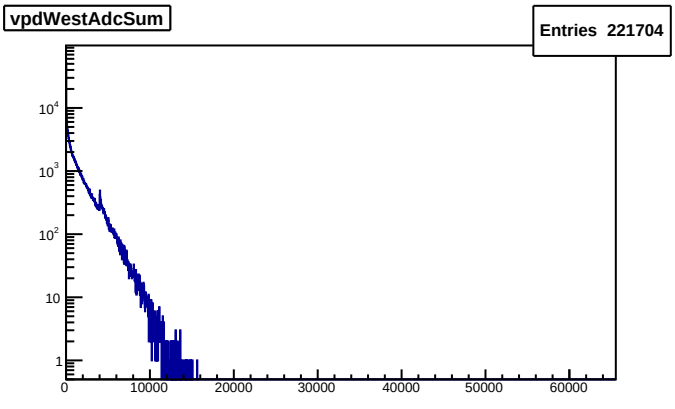

epdWestNHitsVsSimu
Entries 0
Data
Simu

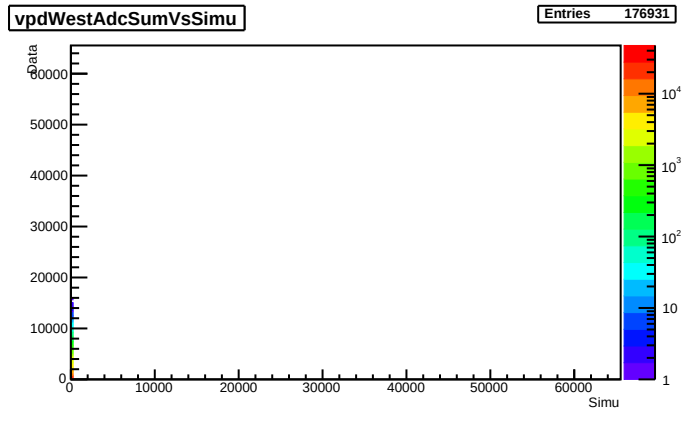

vpdEastAdcSum
Entries 221704

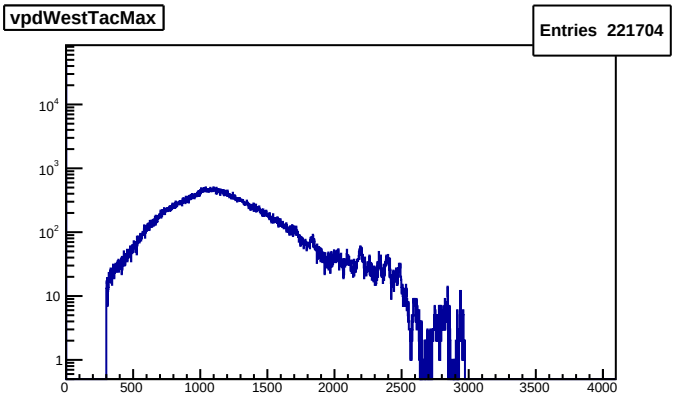

vpdEastAdcSumVsSimu
Entries 155296
Data
Simu

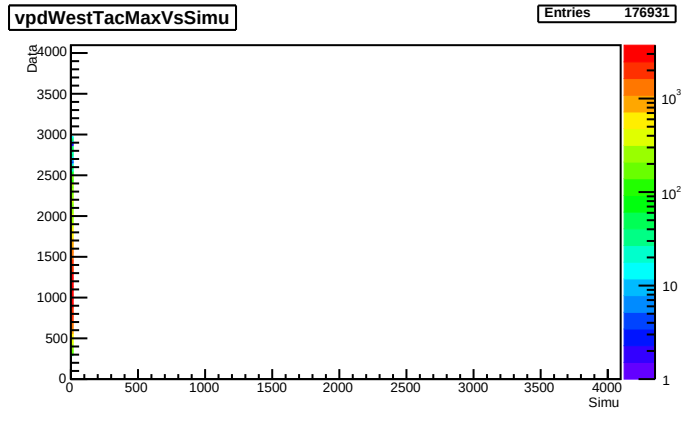

vpdEastTacMax
Entries 221704

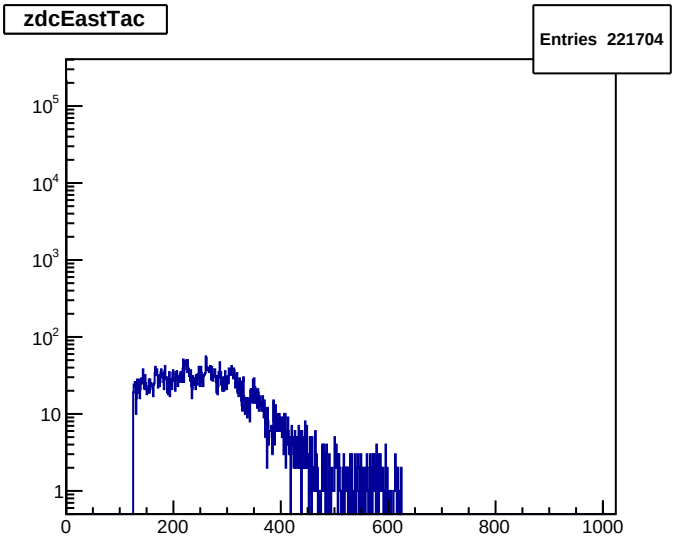

vpdEastTacMaxVsSimu
Entries 155296
Data
Simu

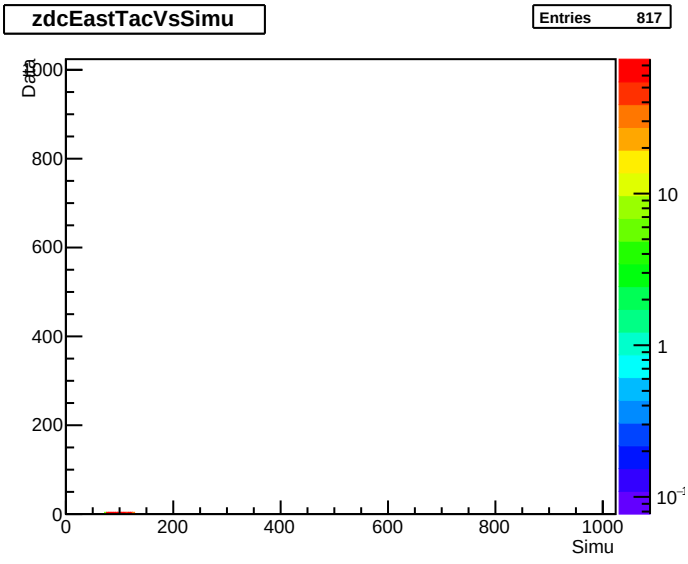

vpdWestAdcSum
Entries 221704

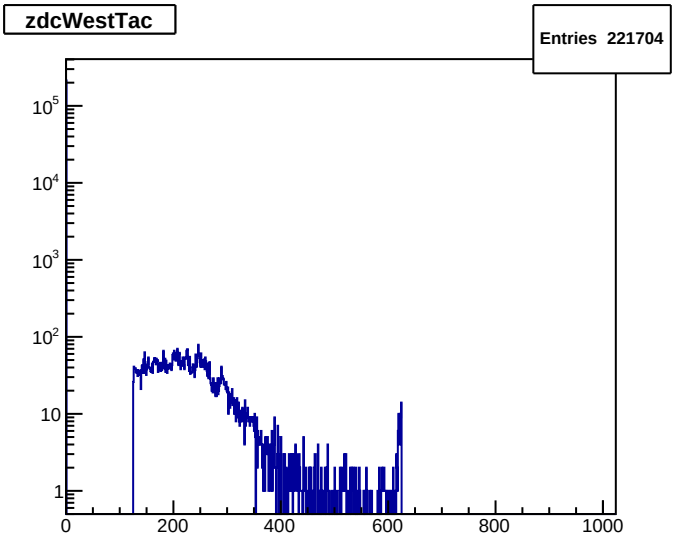

vpdWestAdcSumVsSimu
Entries 176931
Data
Simu

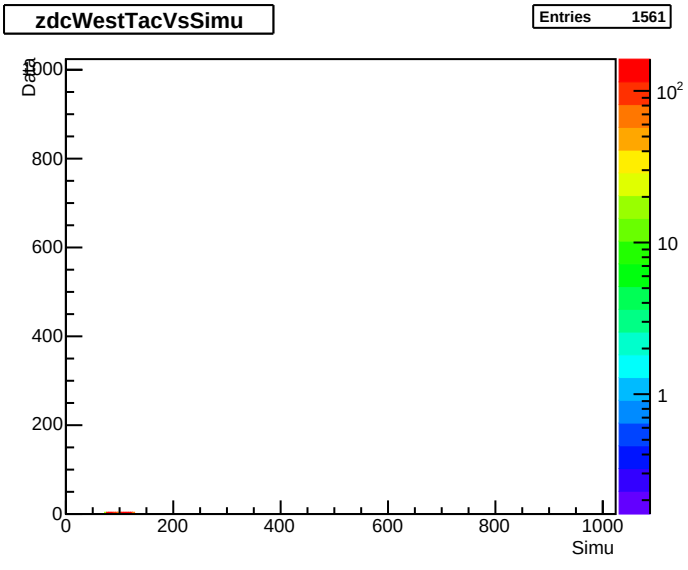

vpdWestTacMax
Entries 221704

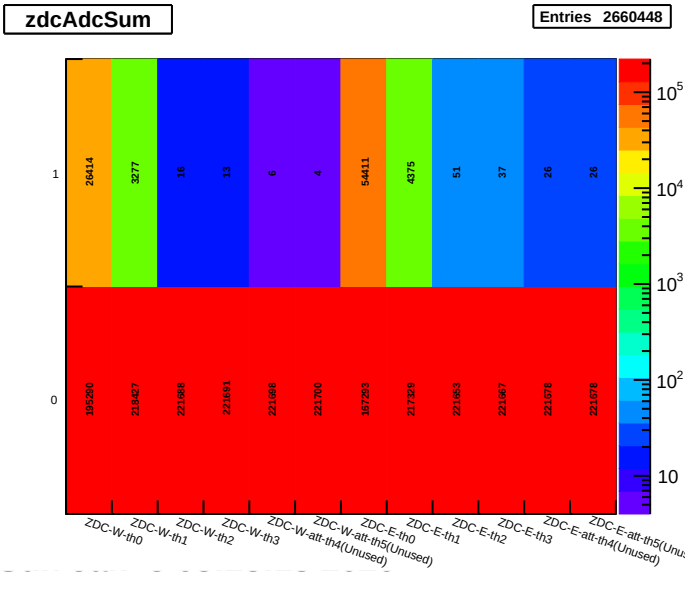

vpdWestTacMaxVsSimu
Entries 176931
Data
Simu

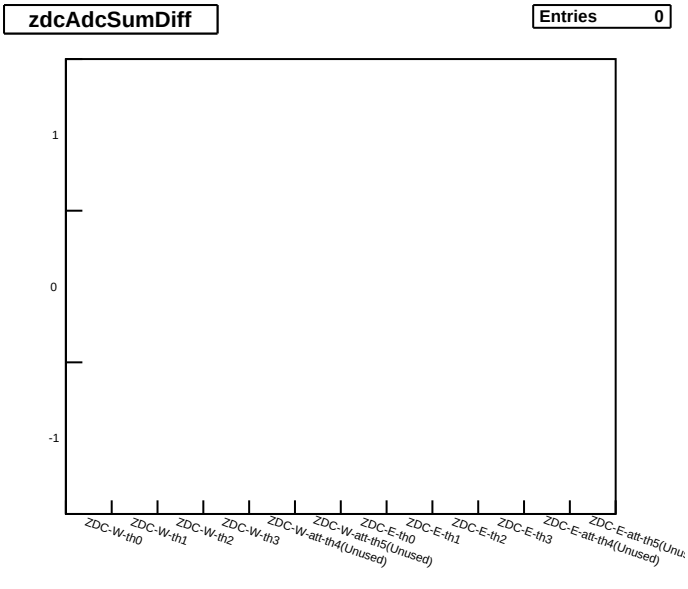

zdcEastTac
Entries 221704

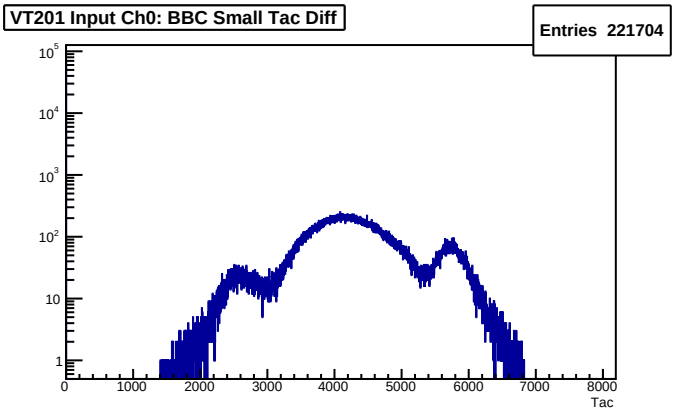

zdcEastTacVsSimu
Entries 817
Data
Simu

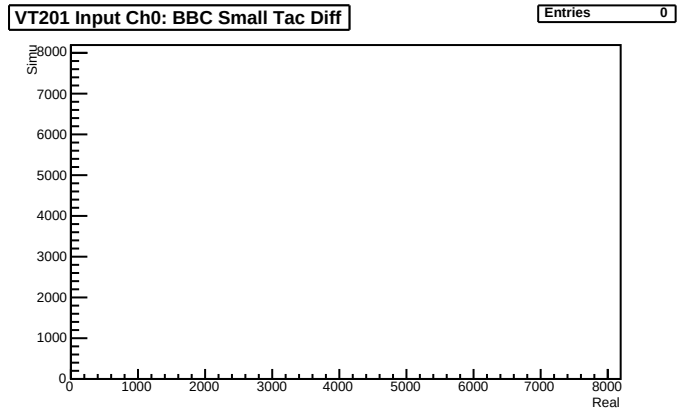

zdcWestTac
Entries 221704

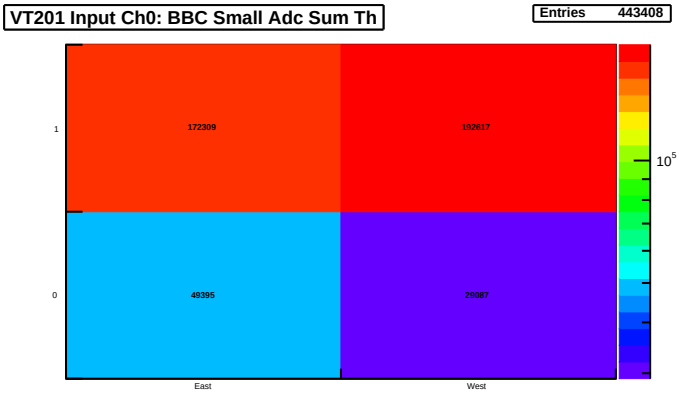

zdcWestTacVsSimu
Entries 1561
Data
Simu

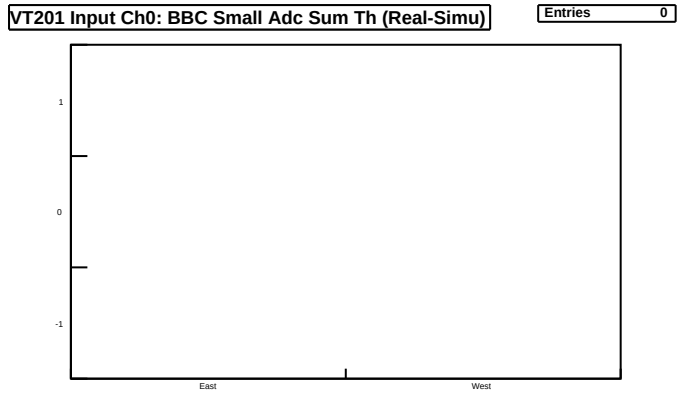

zdcAdcSum
Entries 2660448
26414
3277
16
13
6
4
54411
4375
51
37
26
26
195290
218427
221688
221691
221698
221700
167293
217329
221653
221667
221678
221678
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

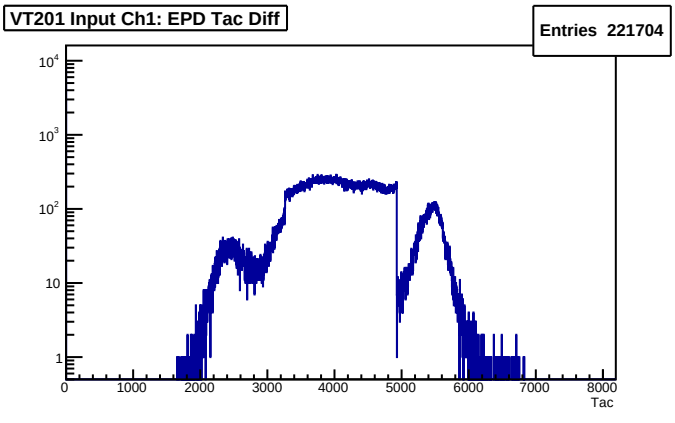

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

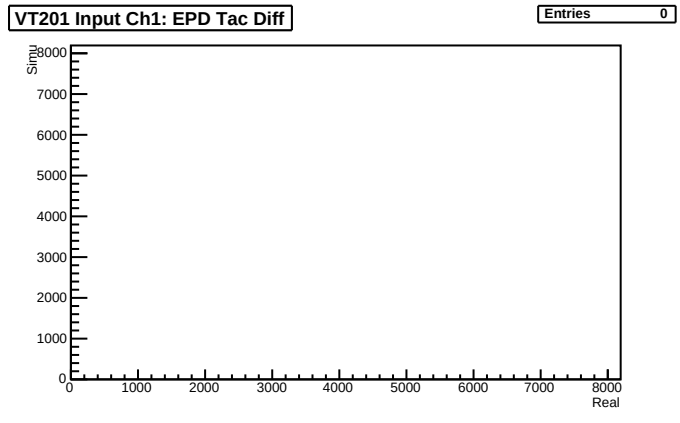

VT201 Input Ch0: BBC Small Tac Diff
Entries 221704
Tac

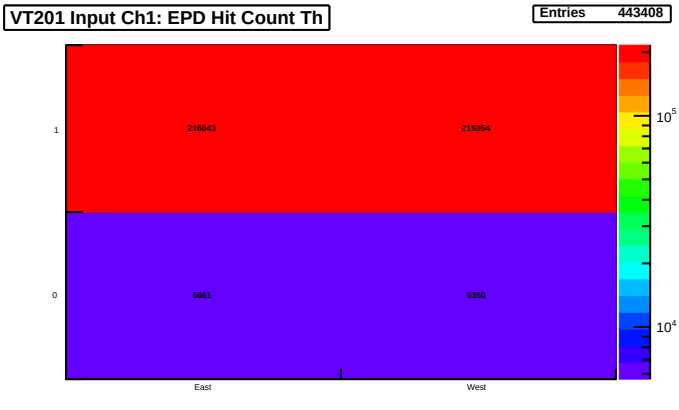

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

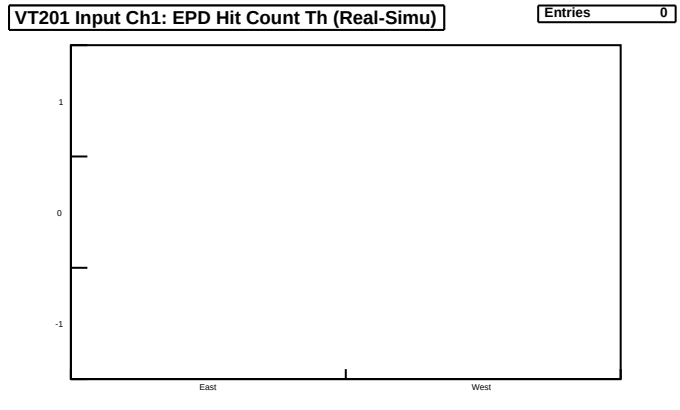

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 443408
172309
192617
49395
29087
East
West

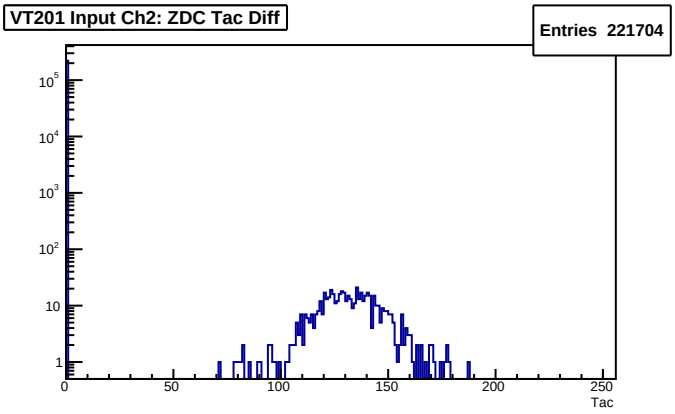

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

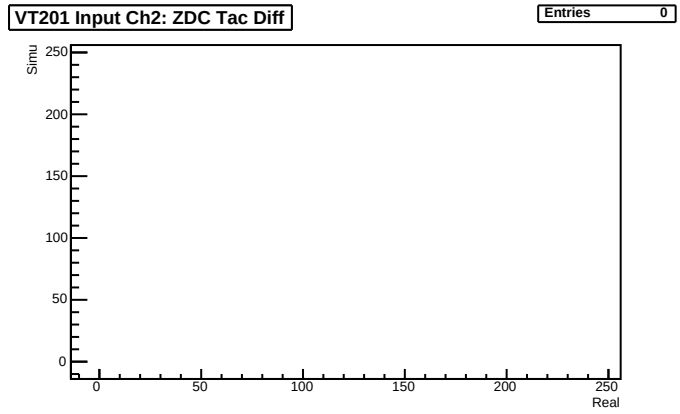

VT201 Input Ch1: EPD Tac Diff
Entries 221704
Tac

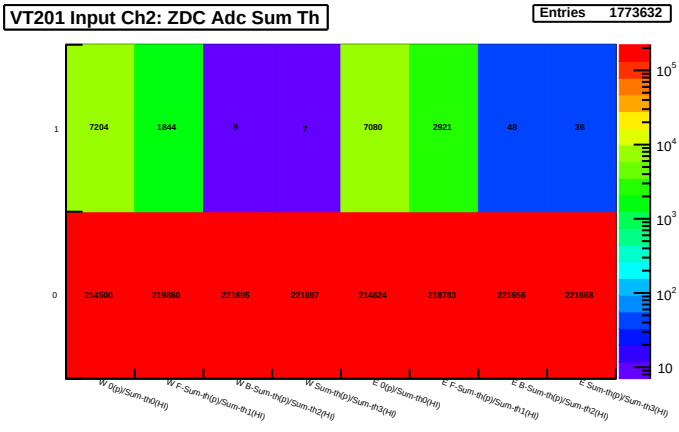

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

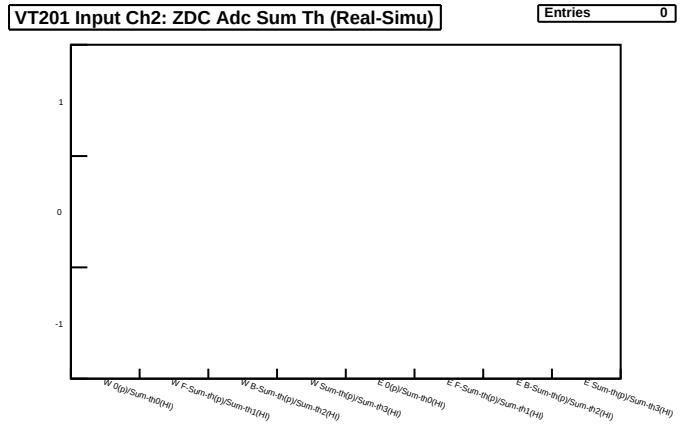

VT201 Input Ch1: EPD Hit Count Th
Entries 443408
216043
215354
5661
6350
East
West

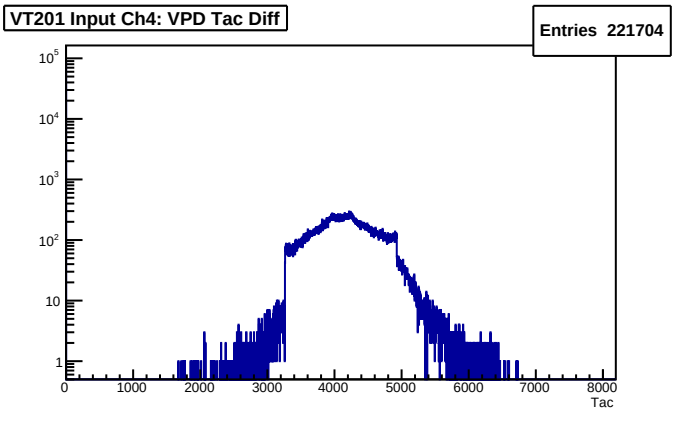

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

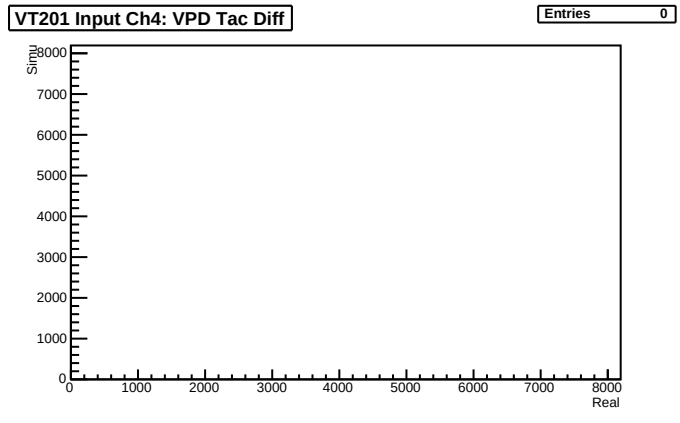

VT201 Input Ch2: ZDC Tac Diff
Entries 221704
Tac

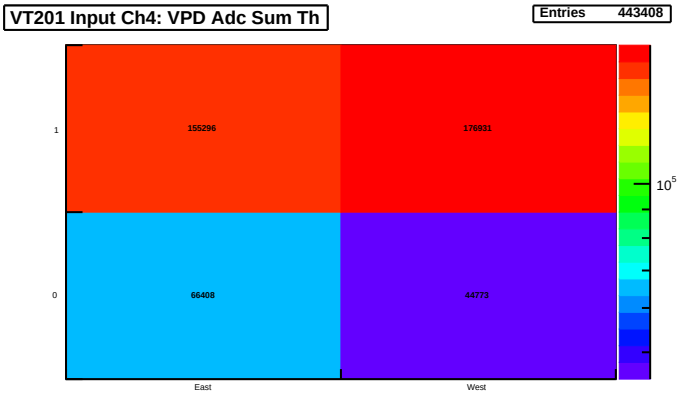

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

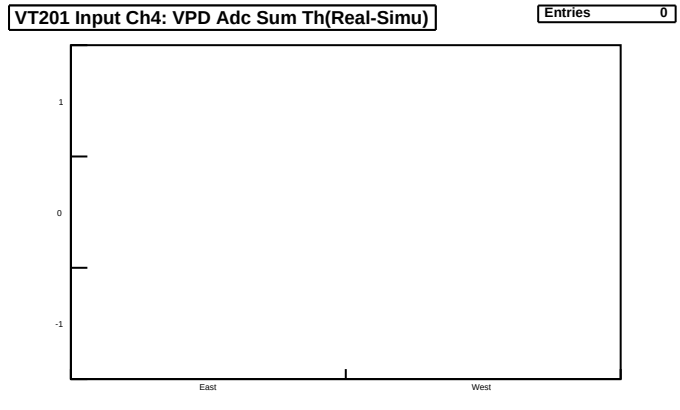

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1773632
7204
1844
9
7
7080
2921
48
36
214500
219860
221695
221697
214624
218783
221656
221668
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

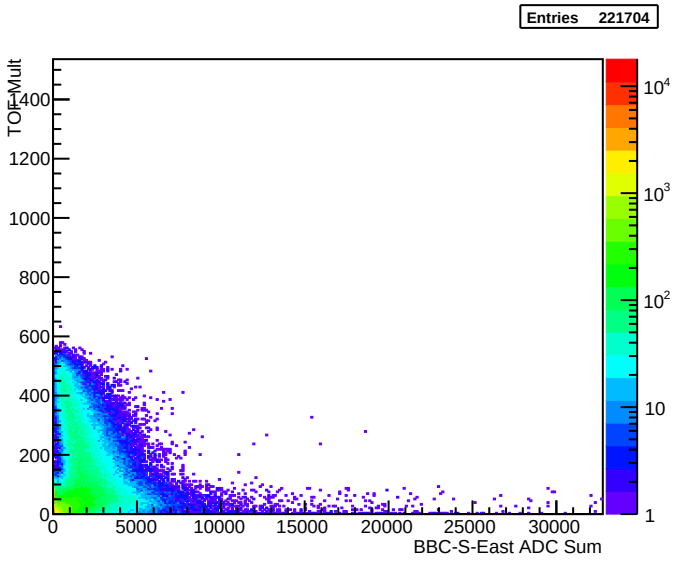

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

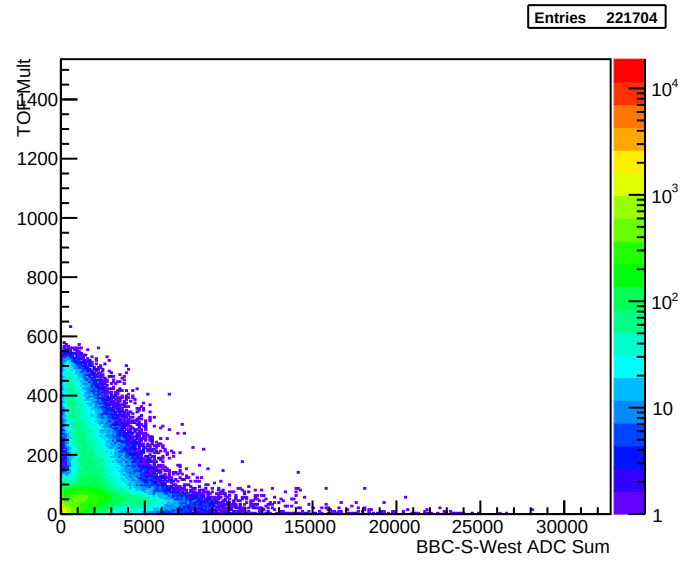

VT201 Input Ch4: VPD Tac Diff
Entries 221704
Tac

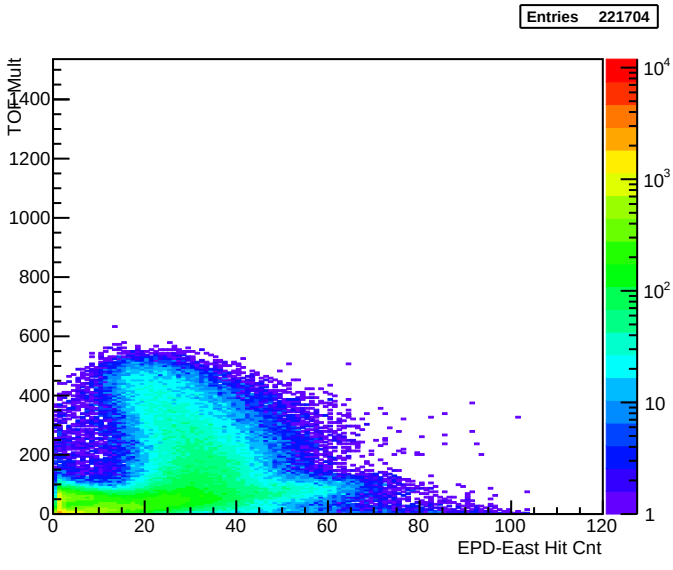

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

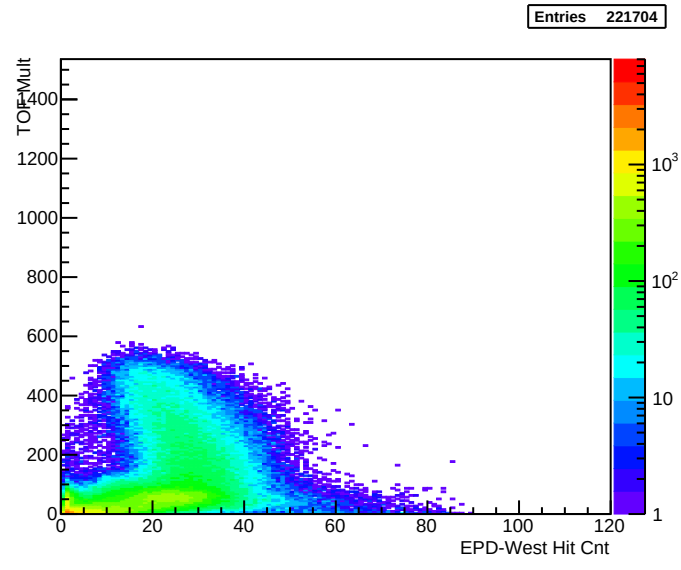

VT201 Input Ch4: VPD Adc Sum Th
Entries 443408
155296
176931
66408
44773
East
West

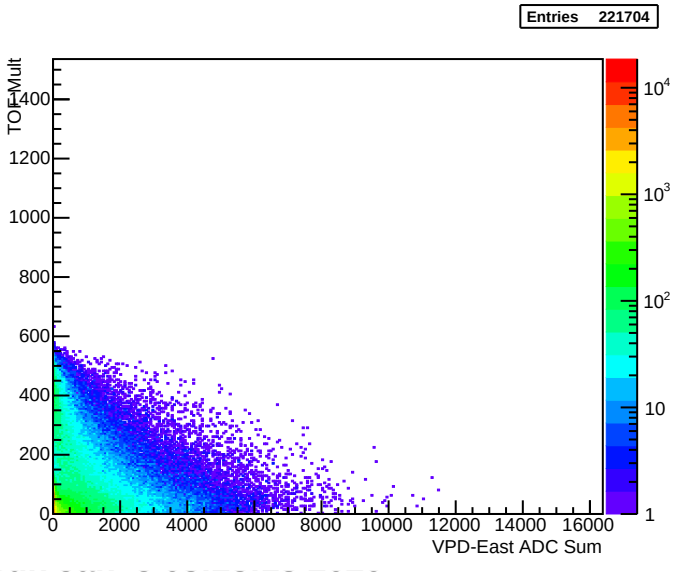

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

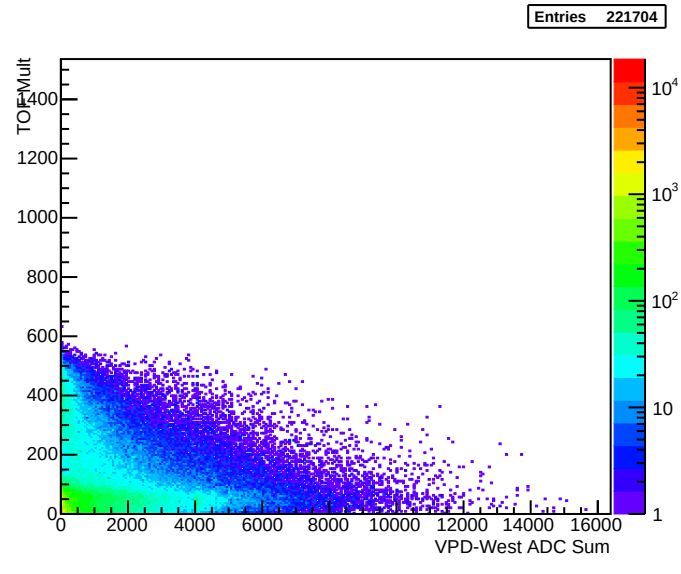

Entries 221704
TOF-Mult
BBC-S-East ADC Sum

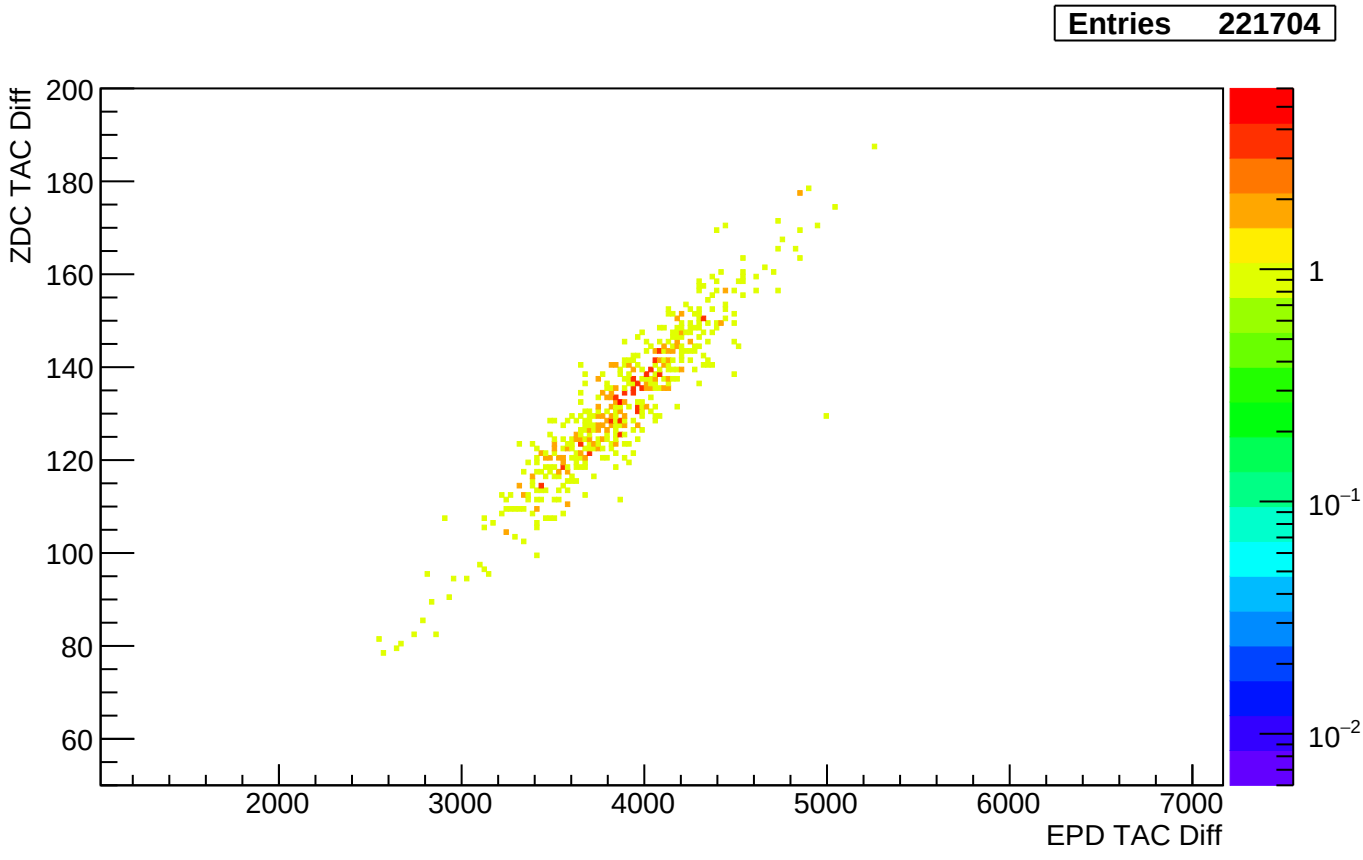

Entries 221704
TOF-Mult
BBC-S-West ADC Sum

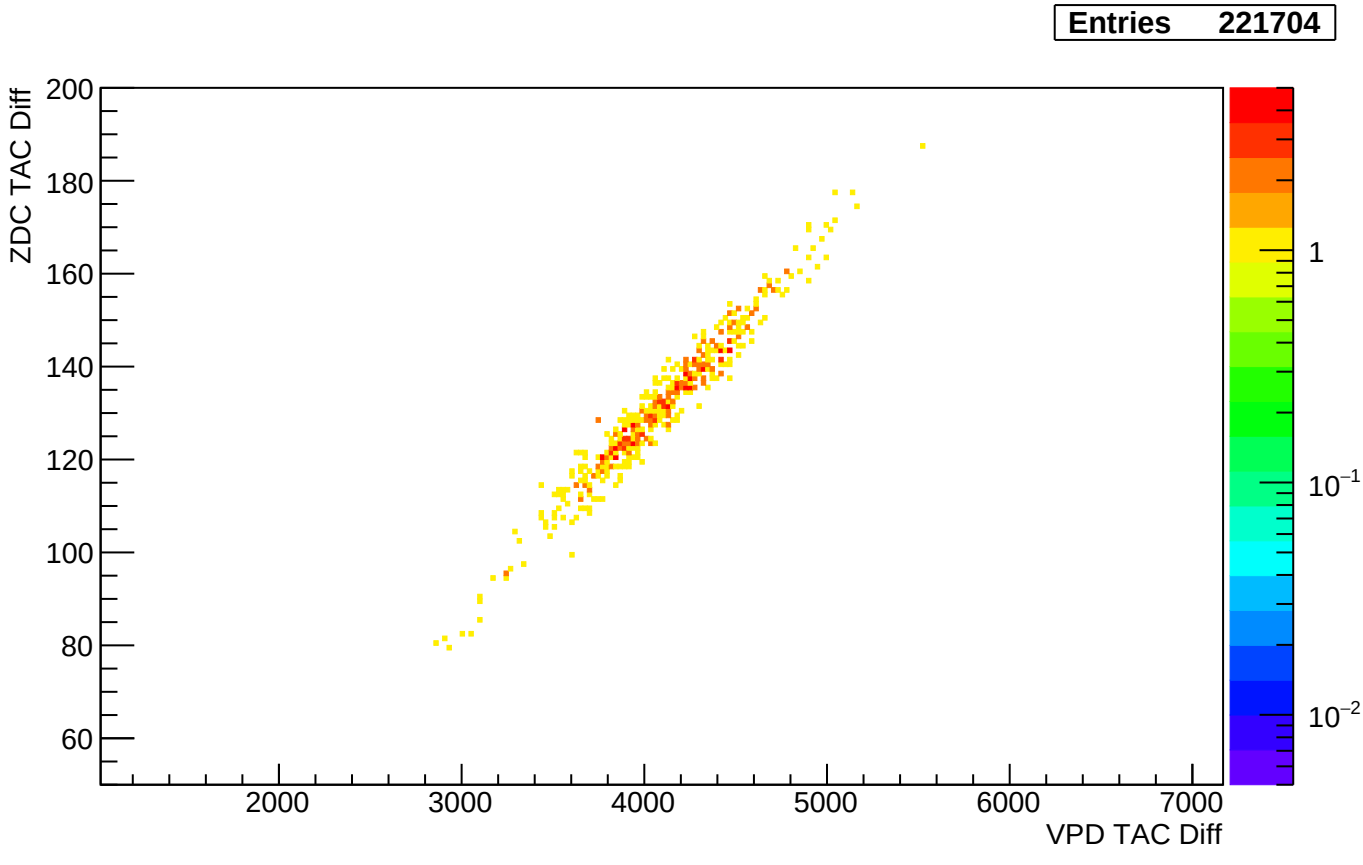

Entries 221704
TOF-Mult
EPD-East Hit Cnt

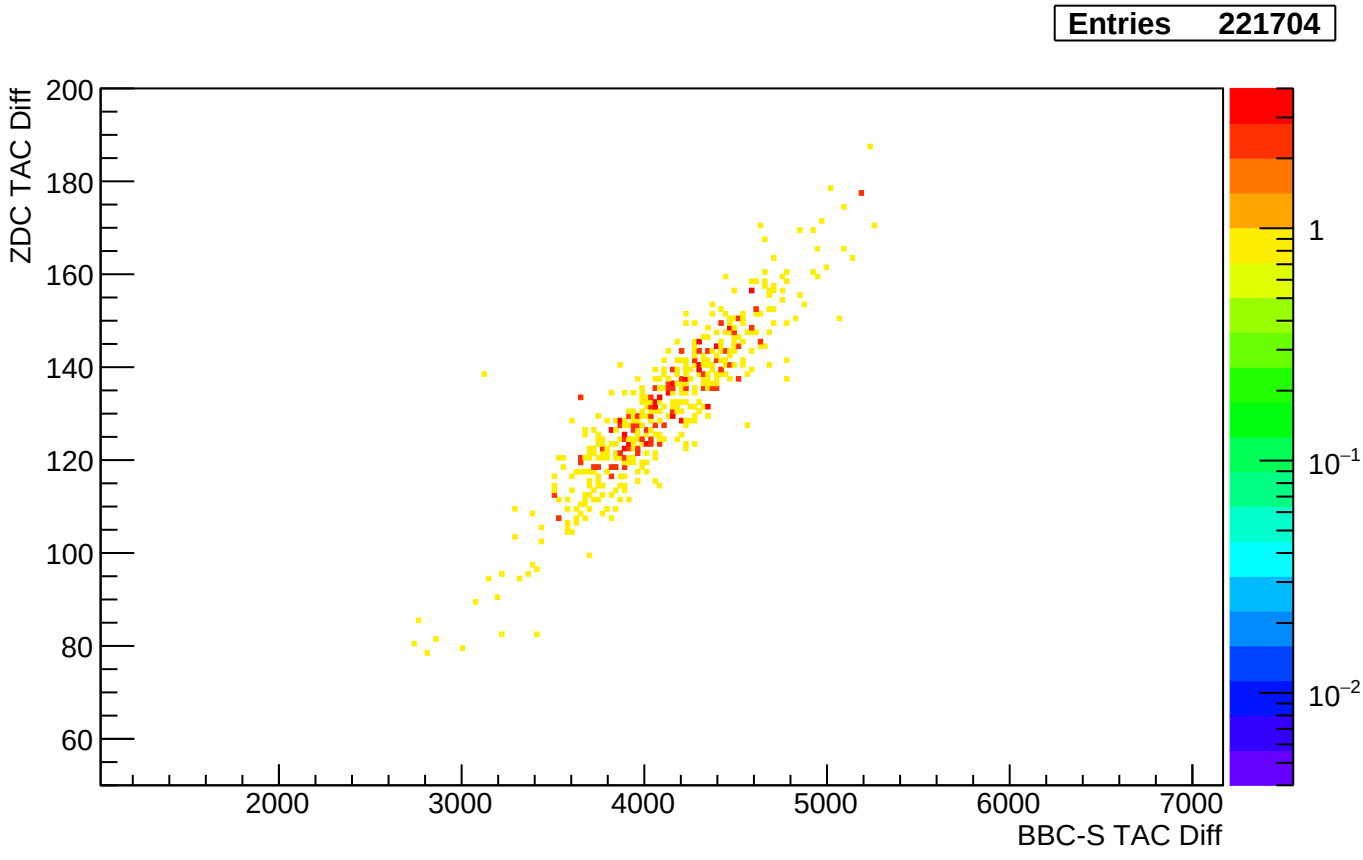

Entries 221704
TOF-Mult
EPD-West Hit Cnt

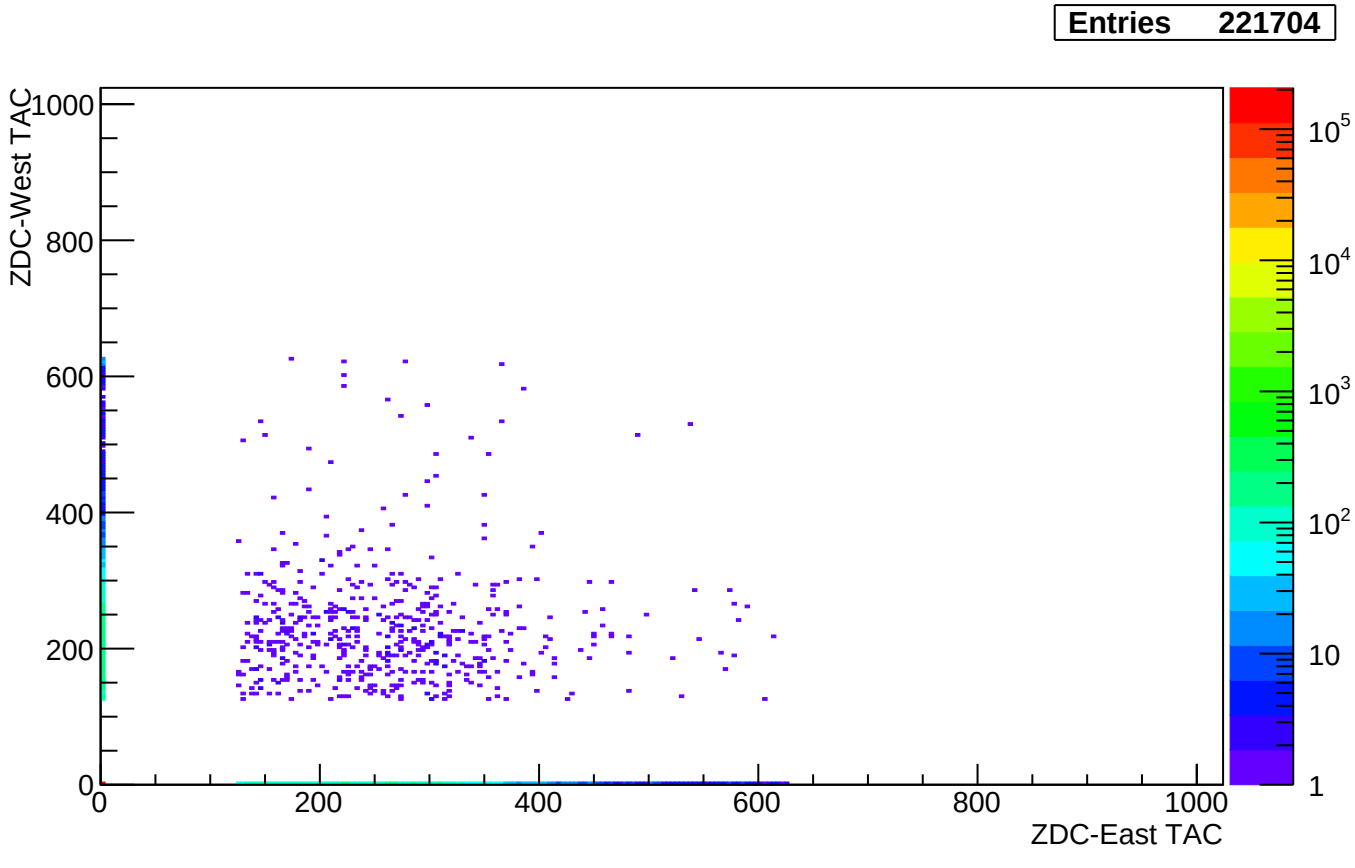

Entries 221704
TOF-Mult
VPD-East ADC Sum

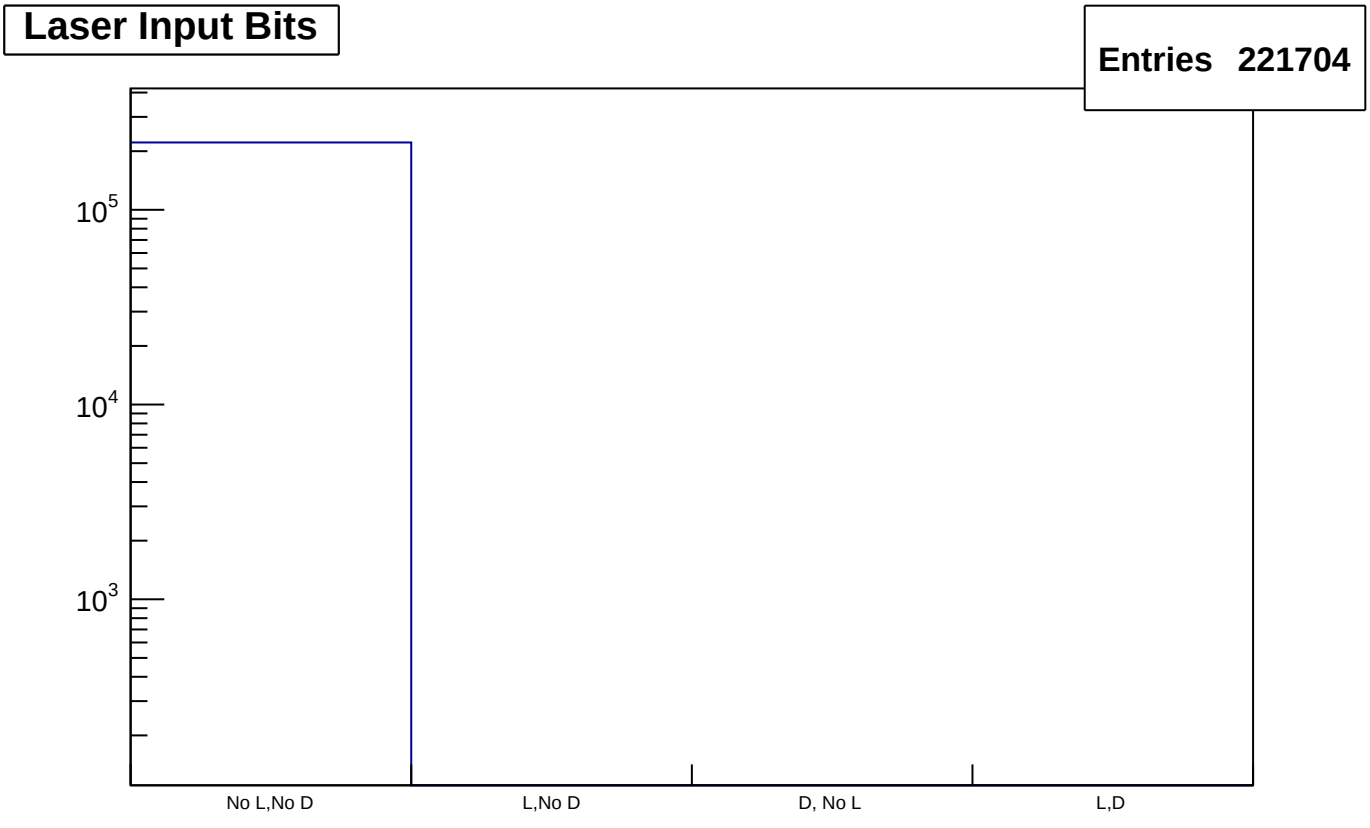

Entries 221704
TOF-Mult
VPD-West ADC Sum

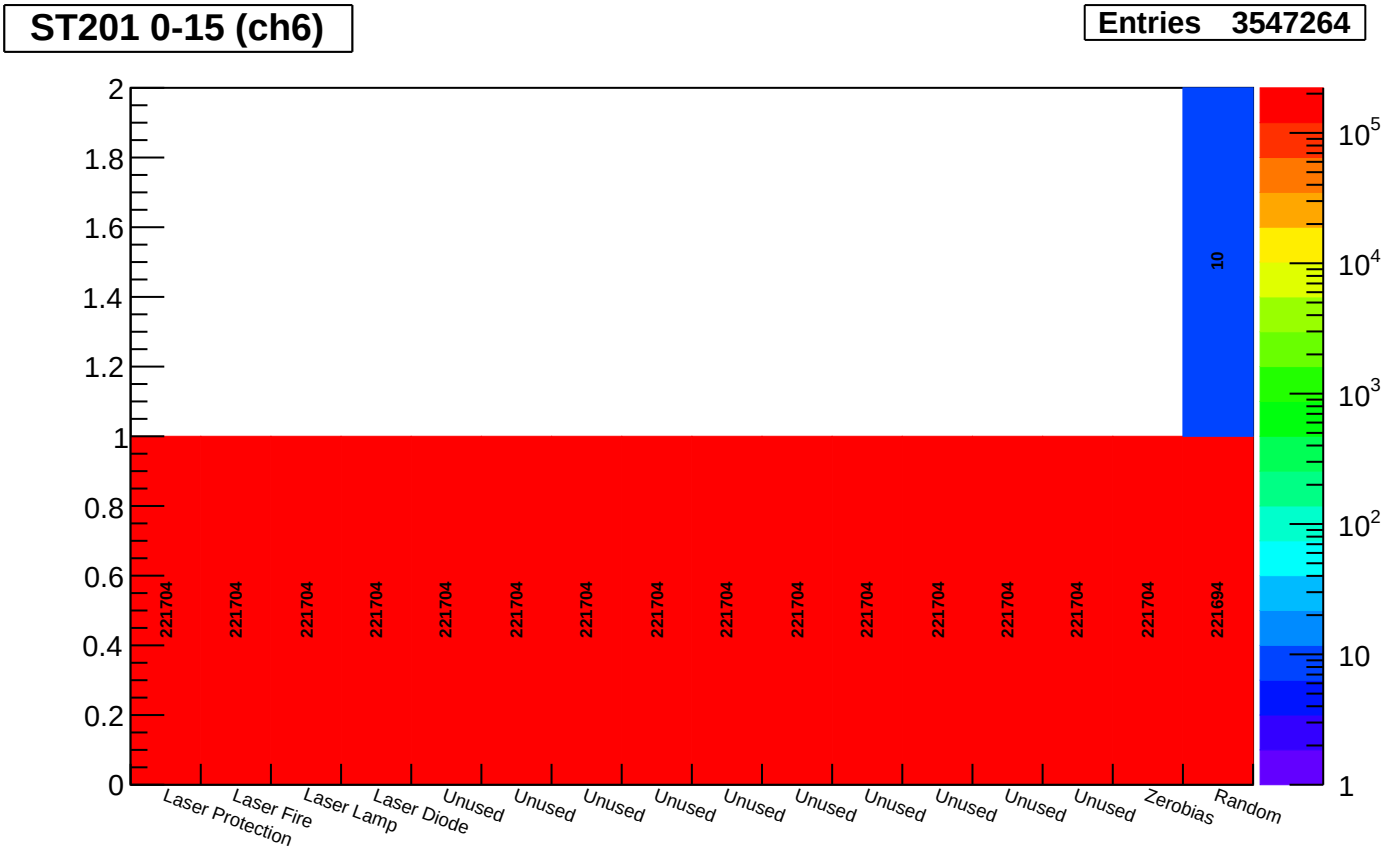

Entries 221704
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

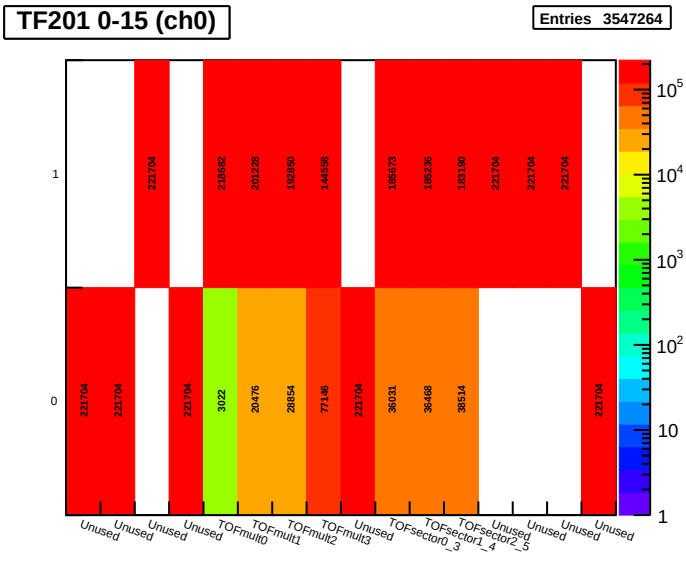

Entries 221704
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

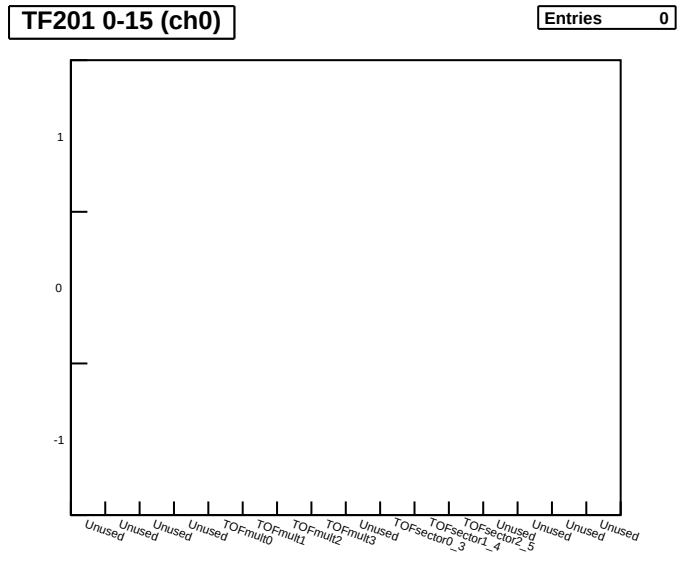

Entries 221704
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

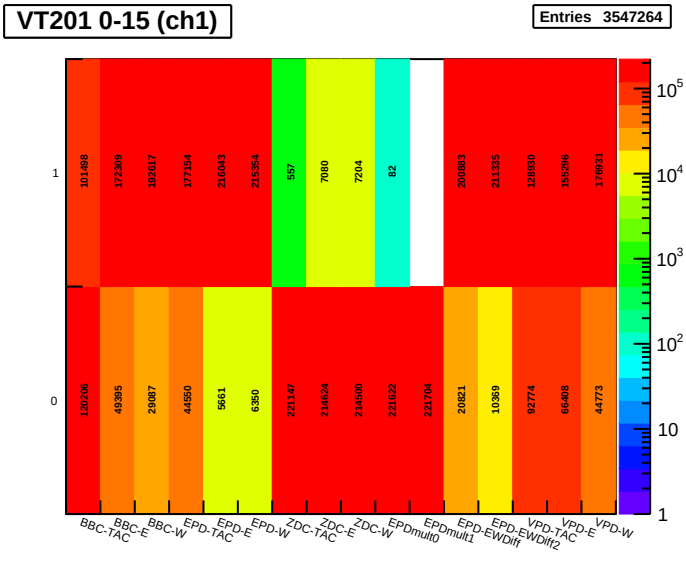

Entries 221704
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

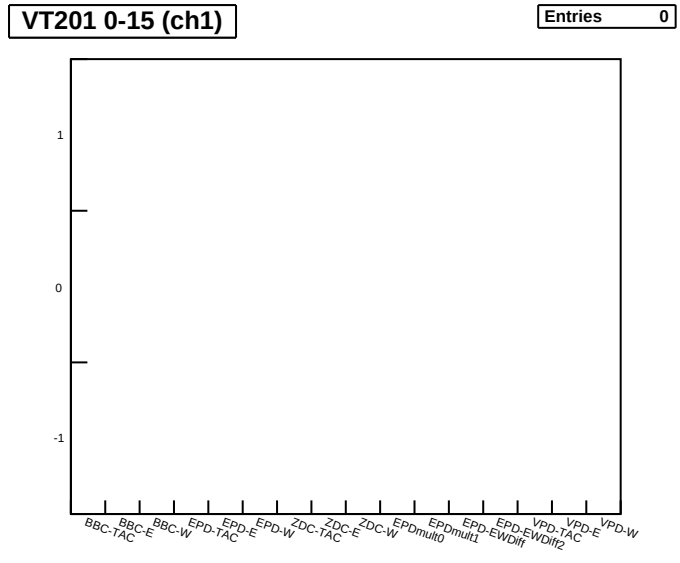

Laser Input Bits
Entries 221704
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

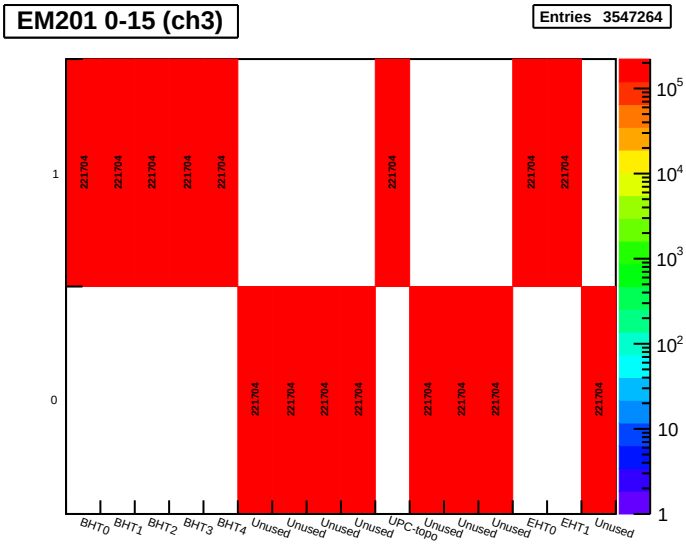

ST201 0-15 (ch6)
Entries 3547264
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221694
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

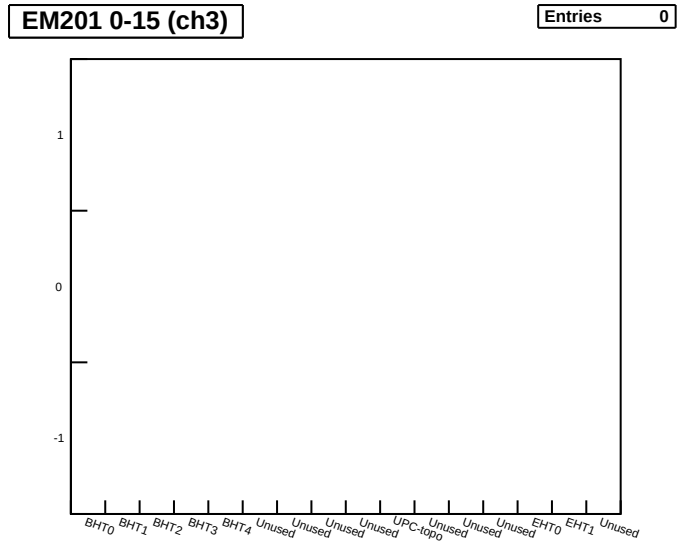

TF201 0-15 (ch0)
Entries 3547264
1
0
221704
218682
201228
182850
144558
185673
185236
183190
221704
221704
221704
221704
221704
221704
3022
20476
28954
77146
221704
36031
36468
38514
221704
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 3547264
1
0
101488
172399
192617
177154
216043
215354
557
7080
7204
82
200883
211335
128930
155286
176931
120206
49395
29087
44560
5661
6350
221147
214624
214500
221622
221704
20821
10369
92774
66408
44773
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


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


EM201 0-15 (ch3)
Entries 3547264
1
0
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
221704
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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