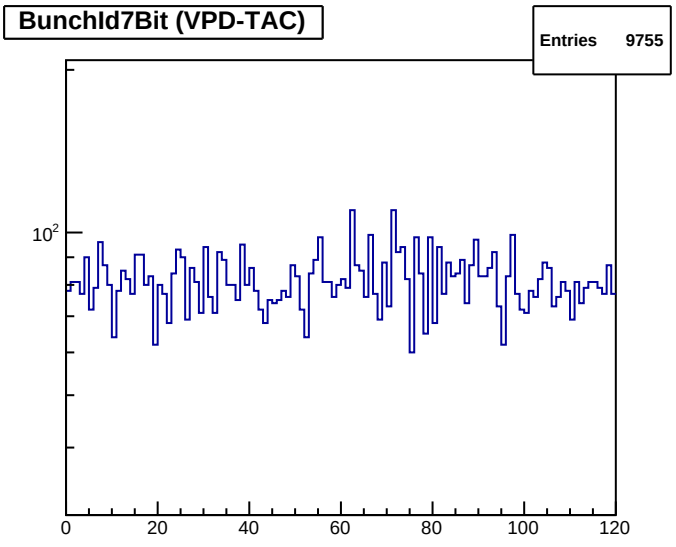
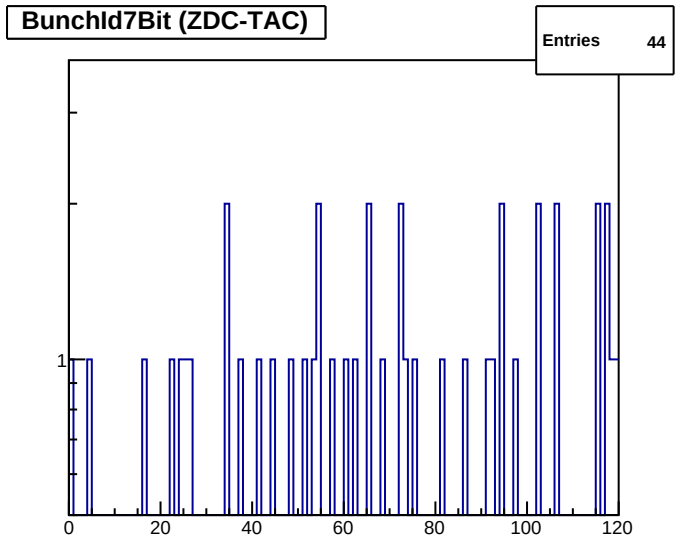
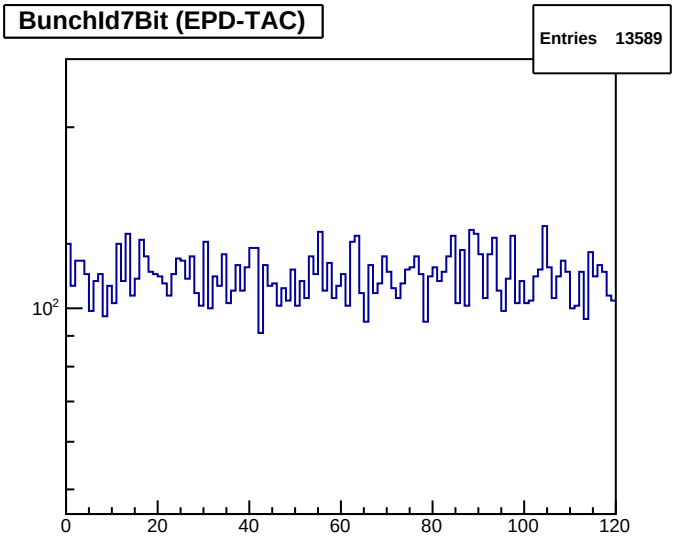
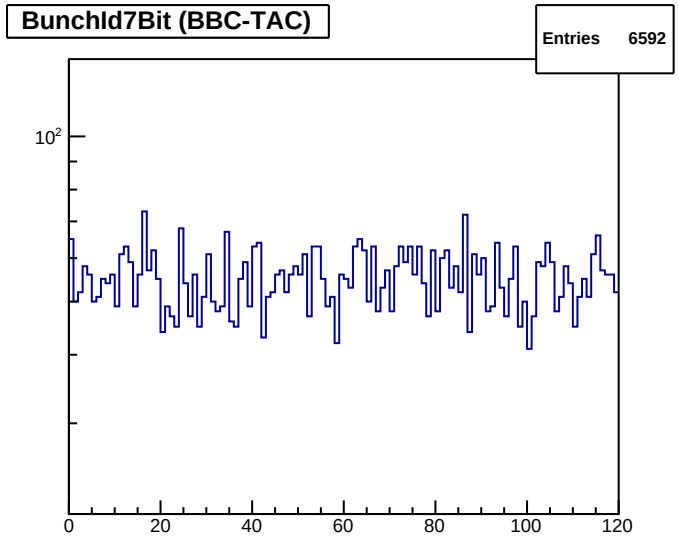
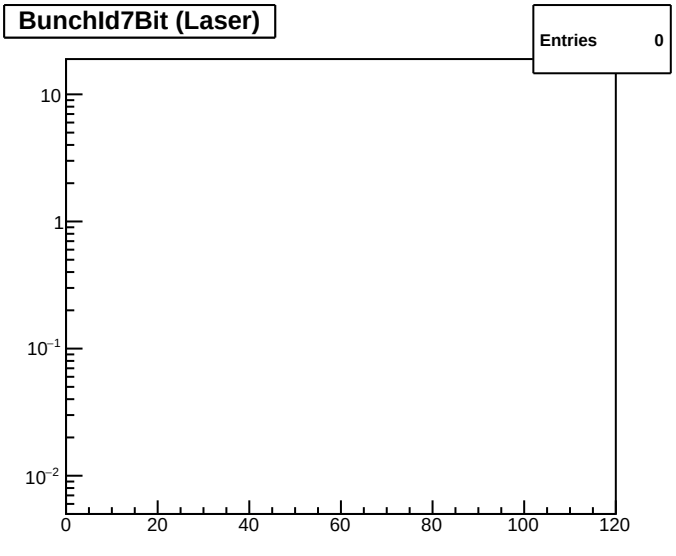
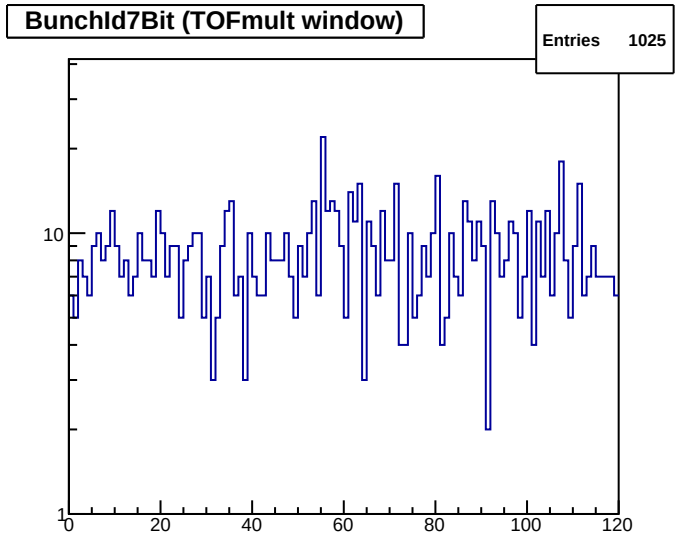

BunchId7Bit (VPD-TAC)
Entries 9755
10^2
0 20 40 60 80 100 120

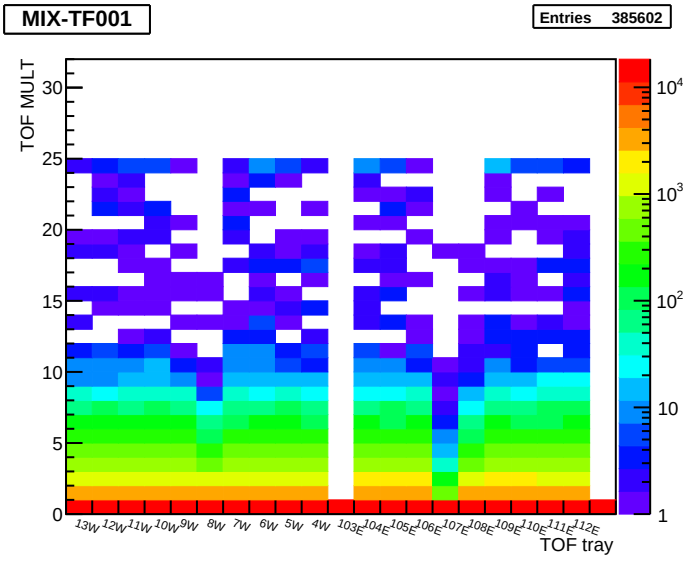

BunchId7Bit (ZDC-TAC)
Entries 44
1
0 20 40 60 80 100 120

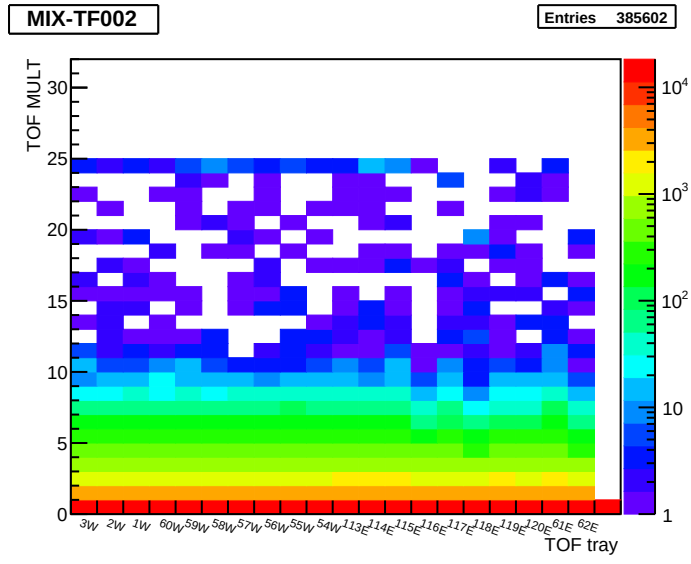

BunchId7Bit (EPD-TAC)
Entries 13589
10^2
0 20 40 60 80 100 120

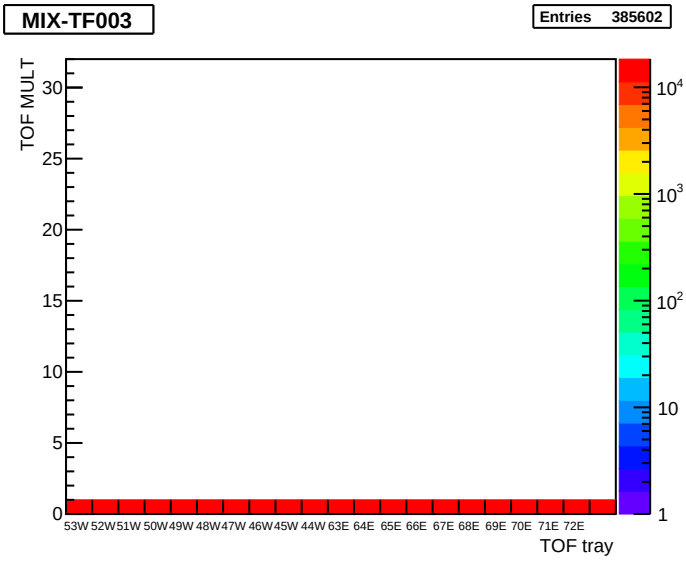

BunchId7Bit (BBC-TAC)
Entries 6592
10^2
0 20 40 60 80 100 120

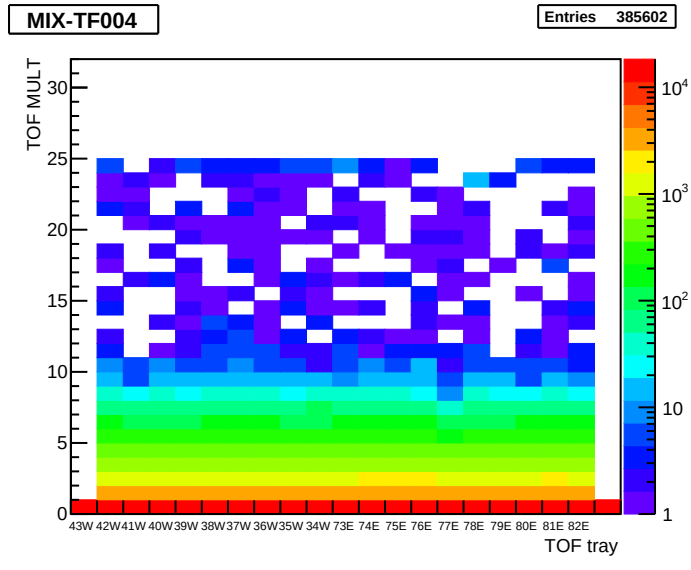

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

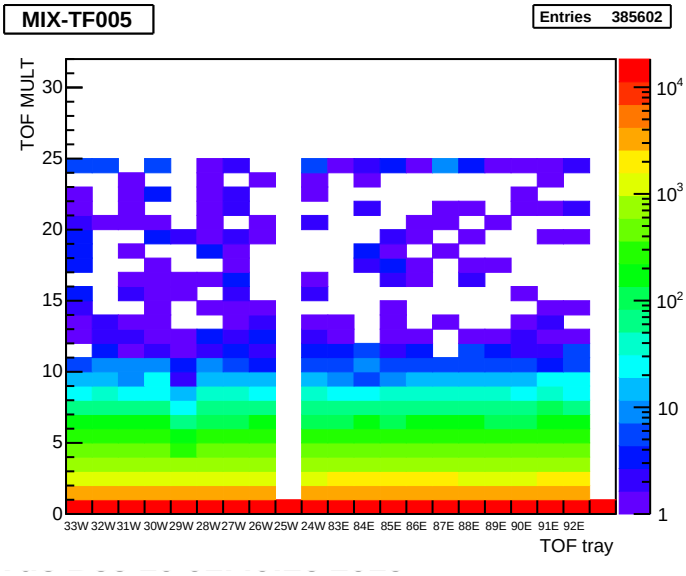

BunchId7Bit (TOFmult window)
Entries 1025
10
1
0 20 40 60 80 100 120

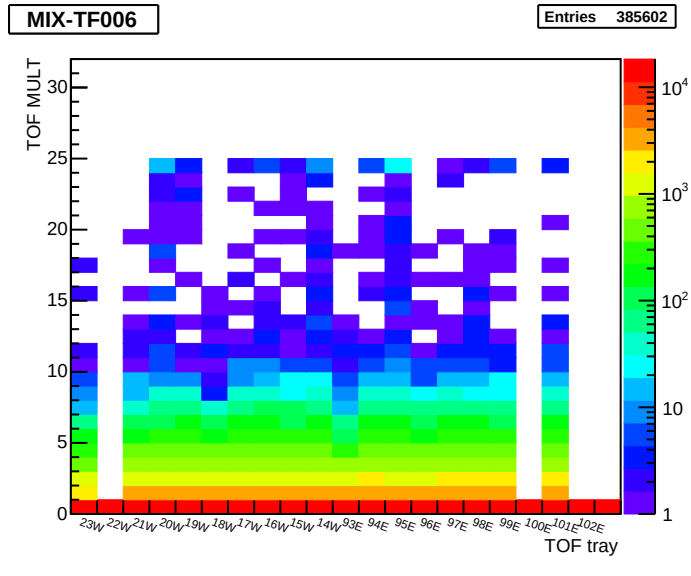

MIX-TF001
Entries 385602
TOF MULT
TOF tray

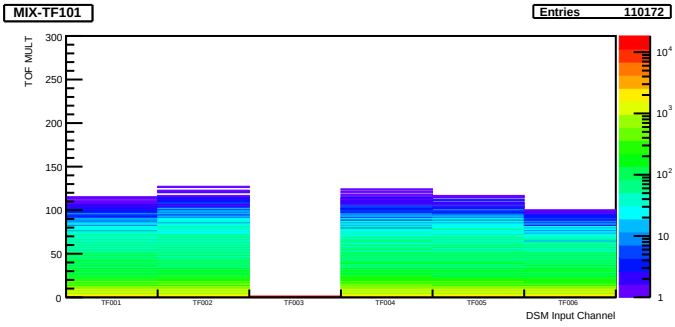

MIX-TF002
Entries 385602
TOF MULT
TOF tray

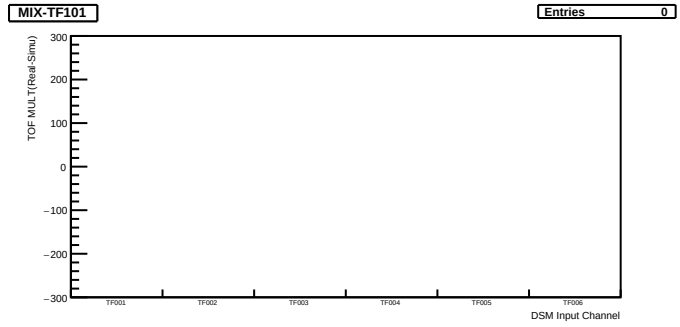

MIX-TF003
Entries 385602
TOF MULT
TOF tray

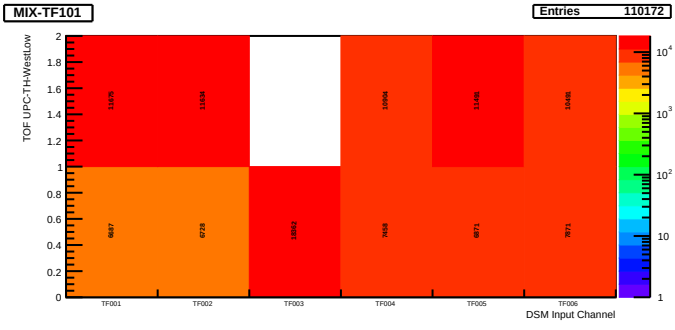

MIX-TF004
Entries 385602
TOF MULT
TOF tray

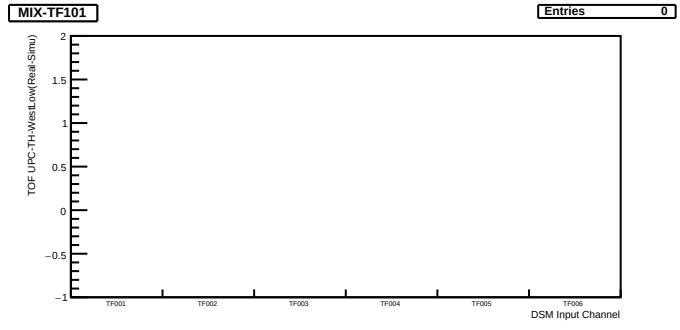

MIX-TF005
Entries 385602
TOF MULT
TOF tray

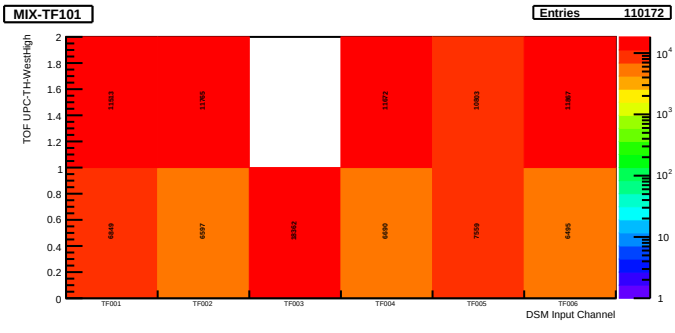

MIX-TF006
Entries 385602
TOF MULT
TOF tray

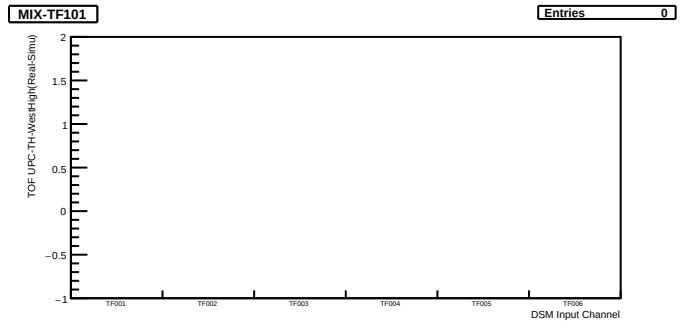

MIX-TF101
Entries 110172
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

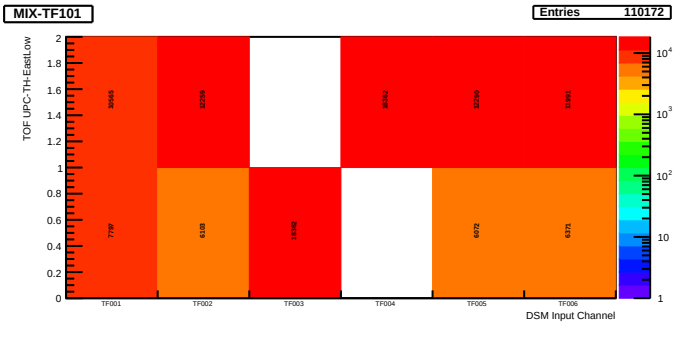

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

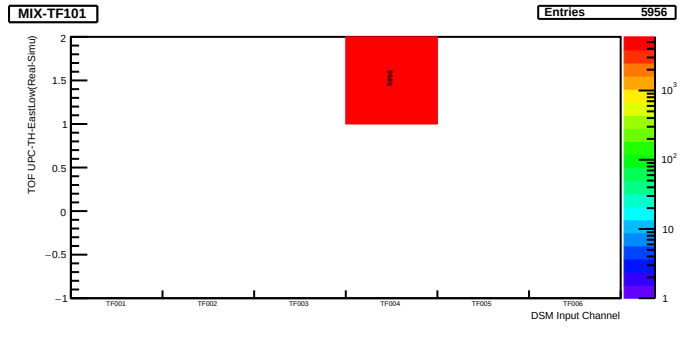

MIX-TF101
Entries 110172
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

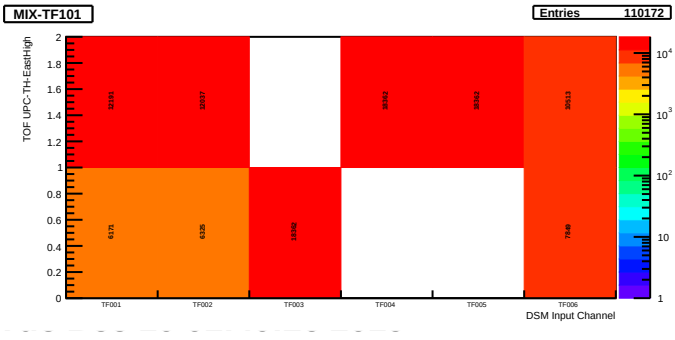

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

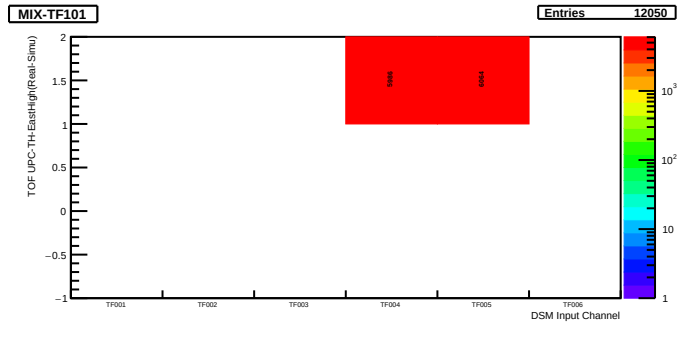

MIX-TF101
Entries 110172
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

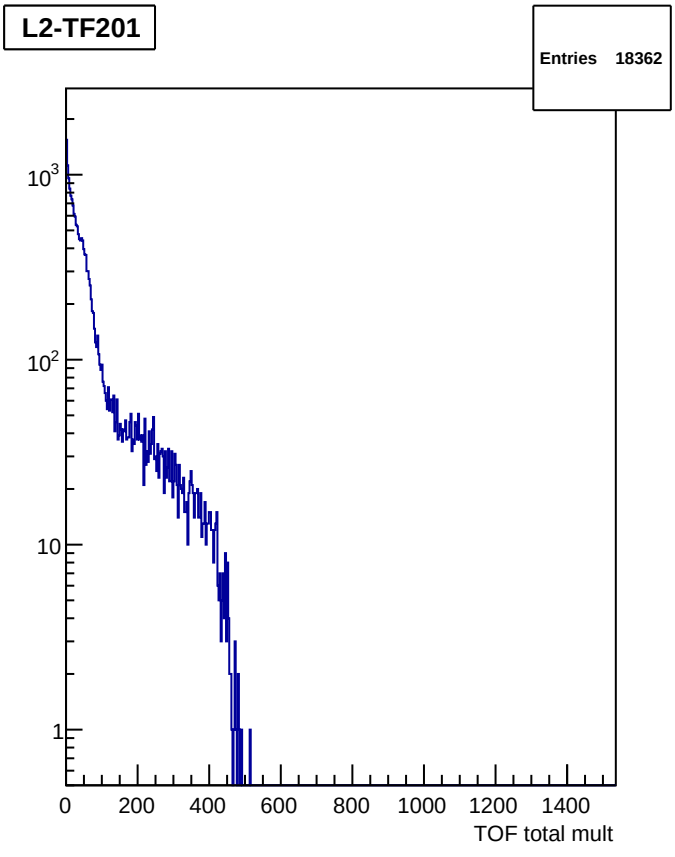

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

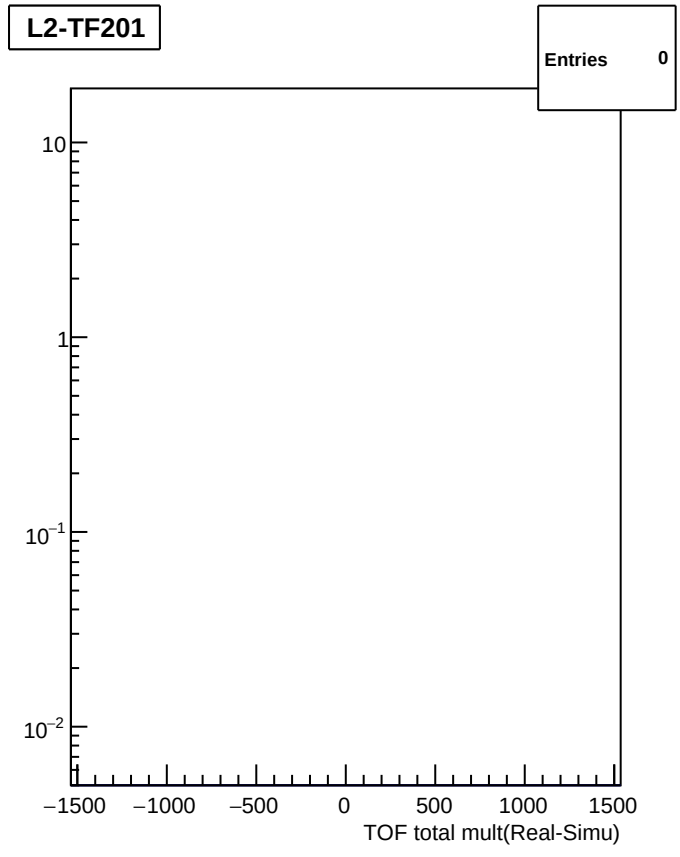

MIX-TF101
Entries 110172
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

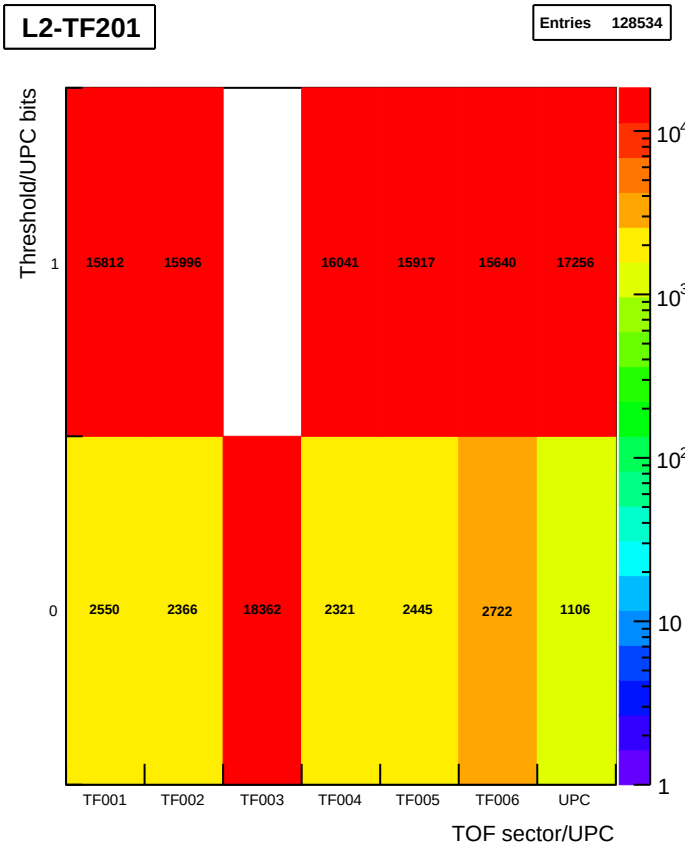

MIX-TF101
Entries 5956
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

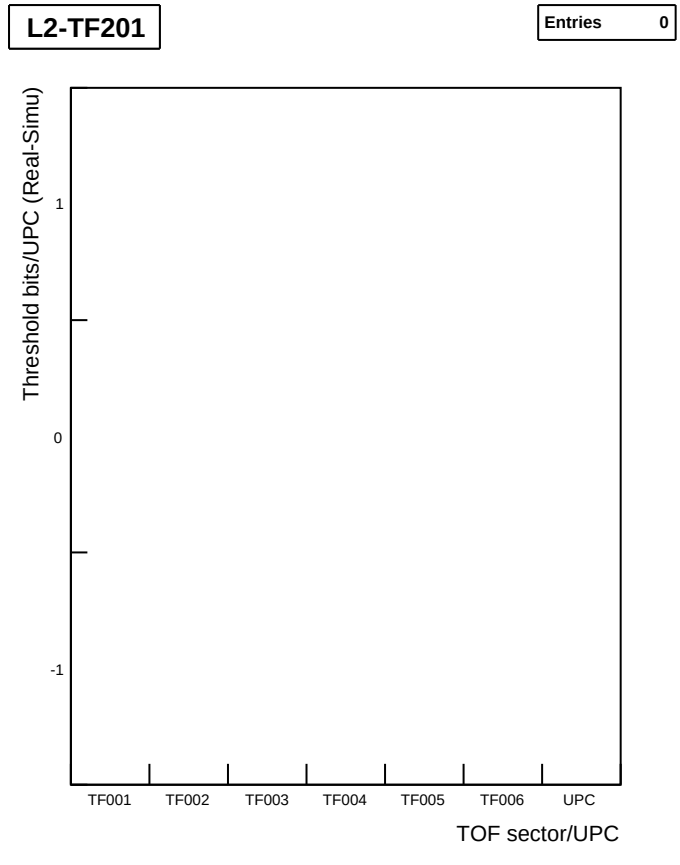

MIX-TF101
Entries 110172
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

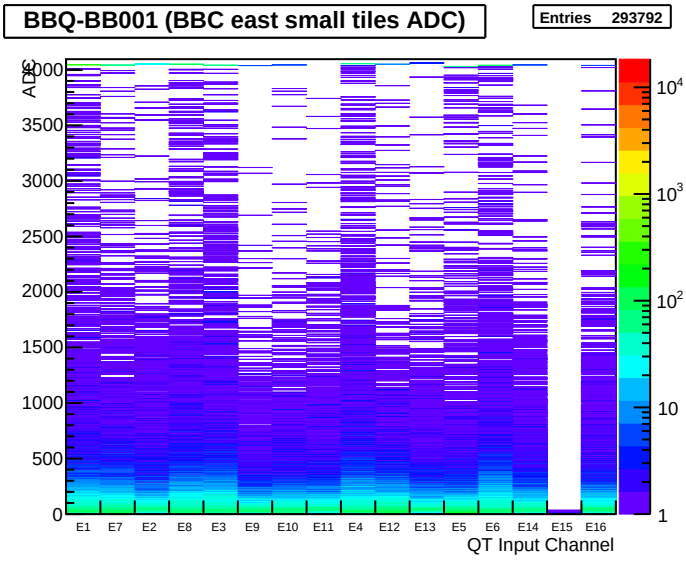

MIX-TF101
Entries 12050
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

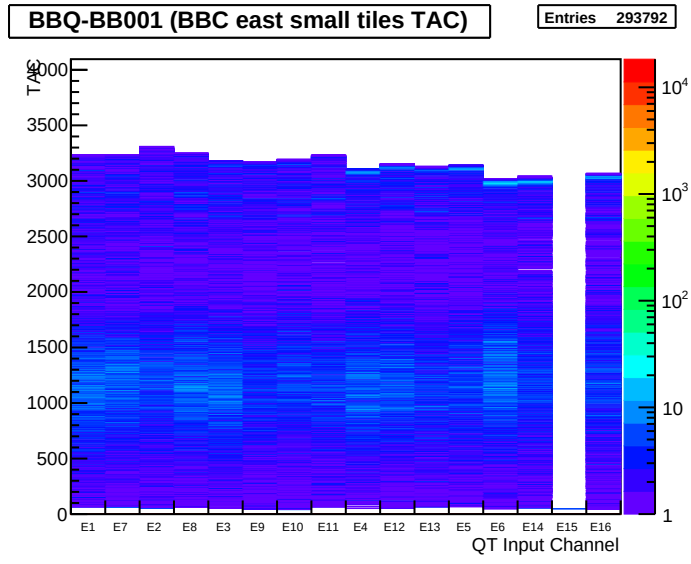

L2-TF201
Entries 18362
TOF total mult

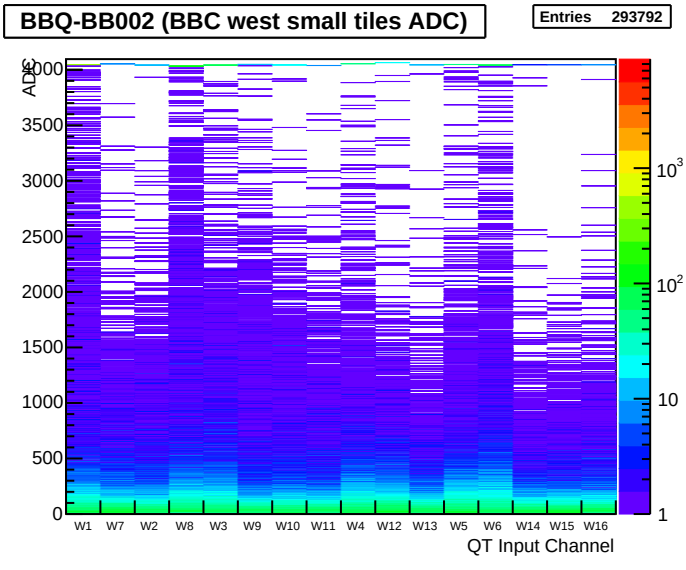

L2-TF201
Entries 0
TOF total mult(Real-Simu)

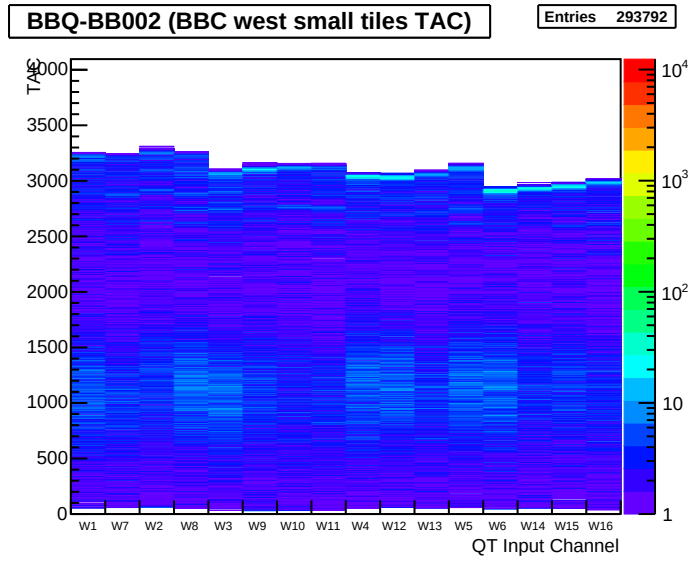

L2-TF201
Entries 128534
Threshold/UPC bits
15812
15996
16041
15917
15640
17256
2550
2366
18362
2321
2445
2722
1106
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

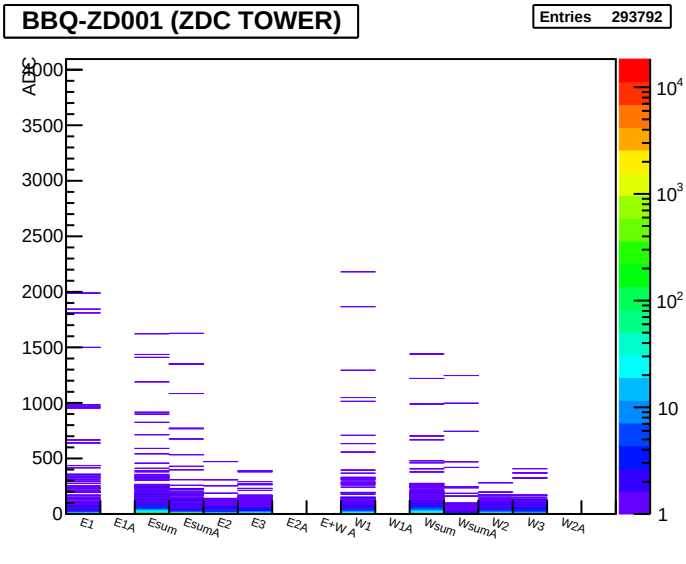

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

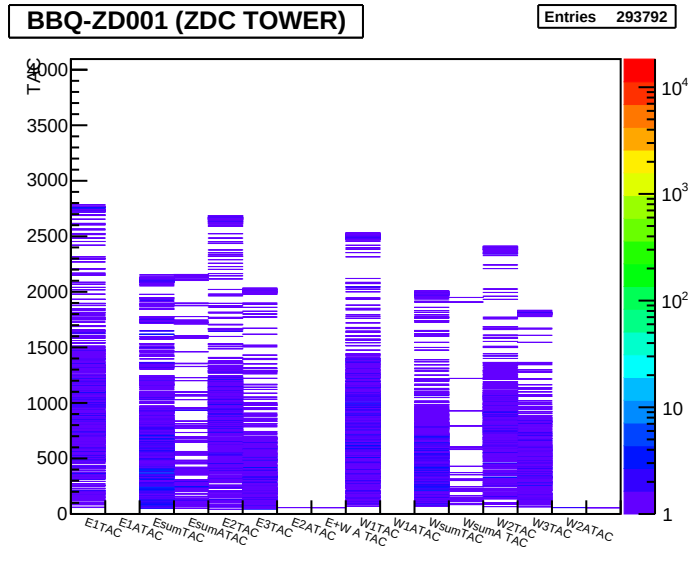

BBQ-BB001 (BBC east small tiles ADC)
Entries 293792
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

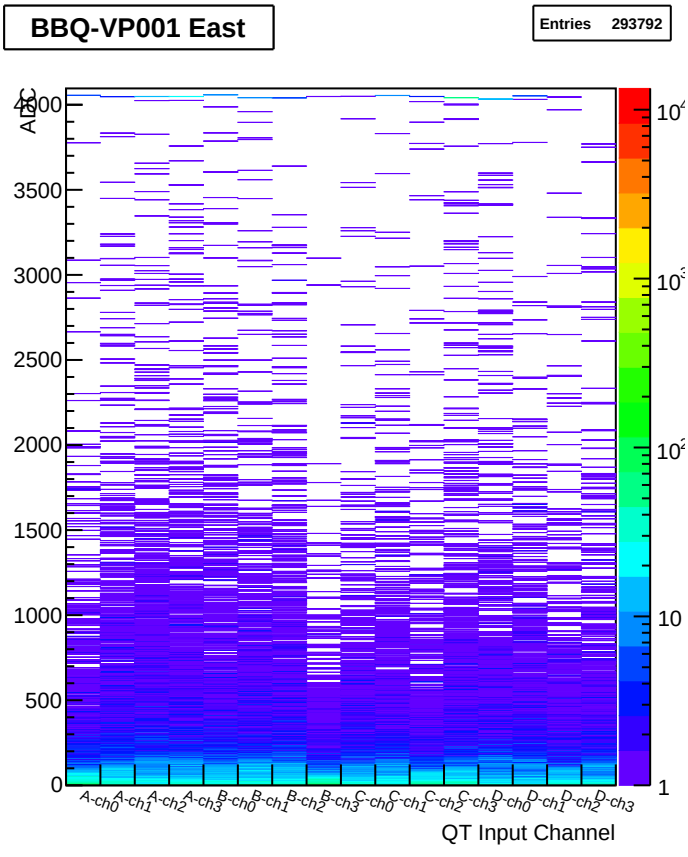

BBQ-BB001 (BBC east small tiles TAC)
Entries 293792
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

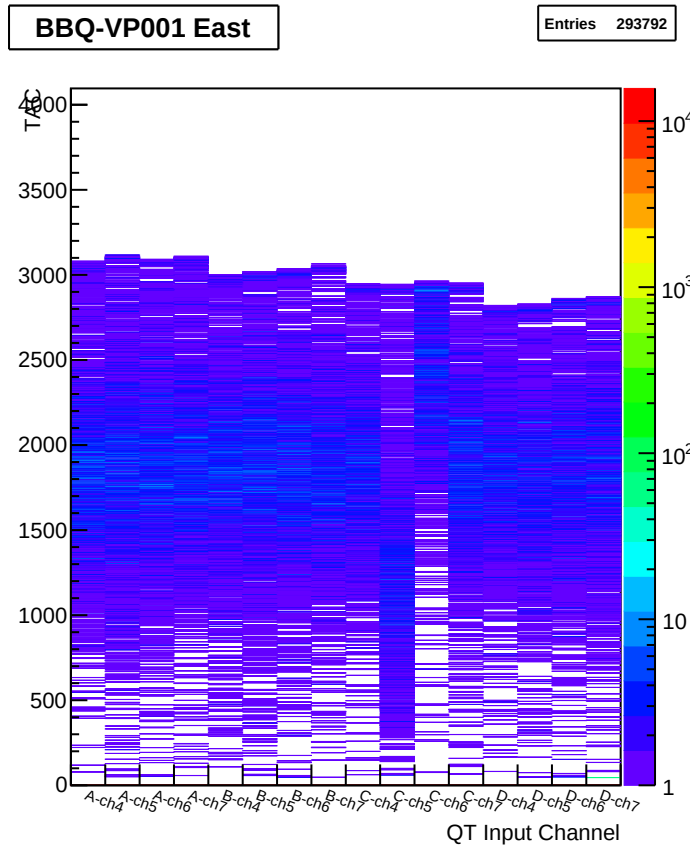

BBQ-BB002 (BBC west small tiles ADC)
Entries 293792
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

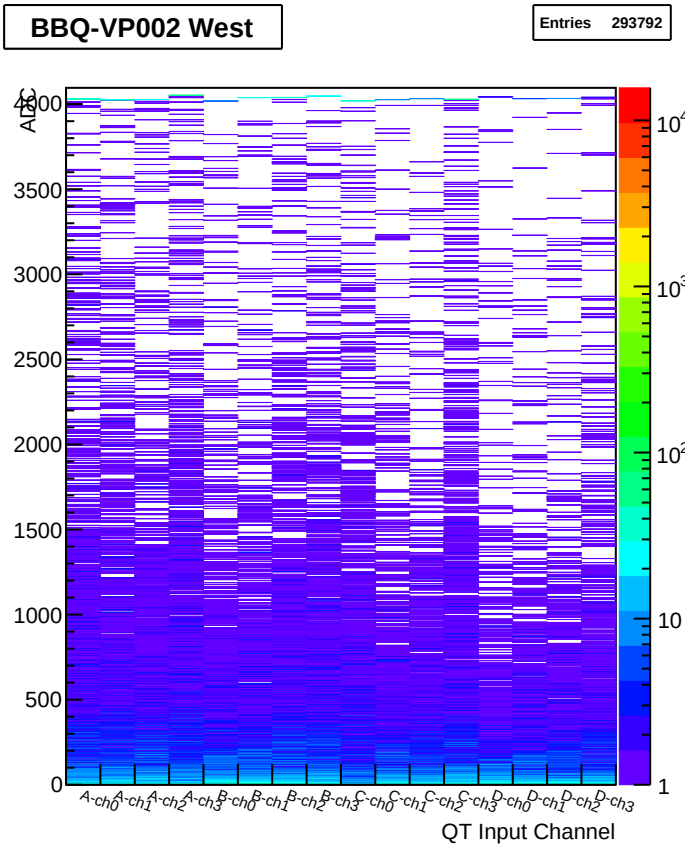

BBQ-BB002 (BBC west small tiles TAC)
Entries 293792
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

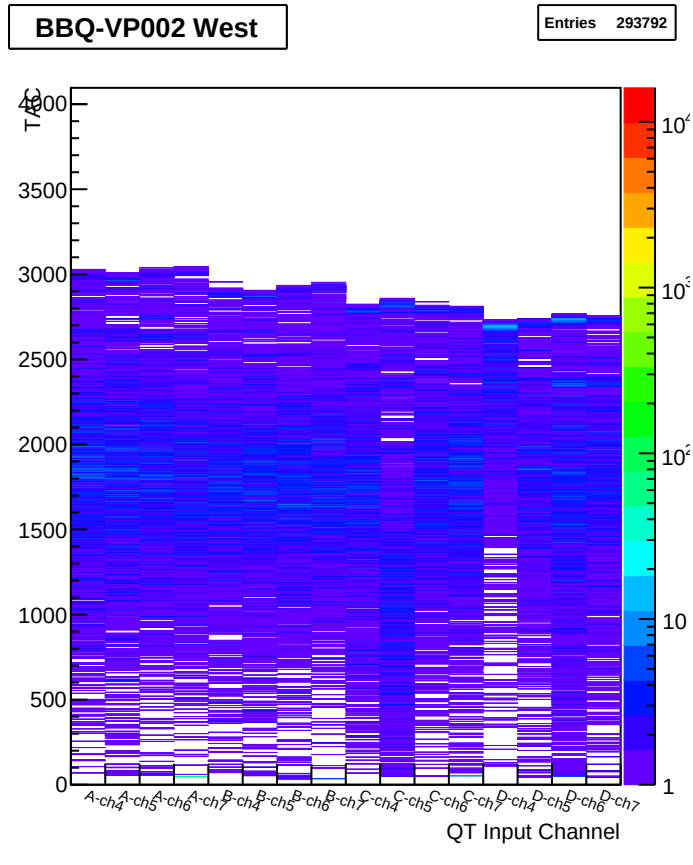

BBQ-ZD001 (ZDC TOWER)
Entries 293792
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

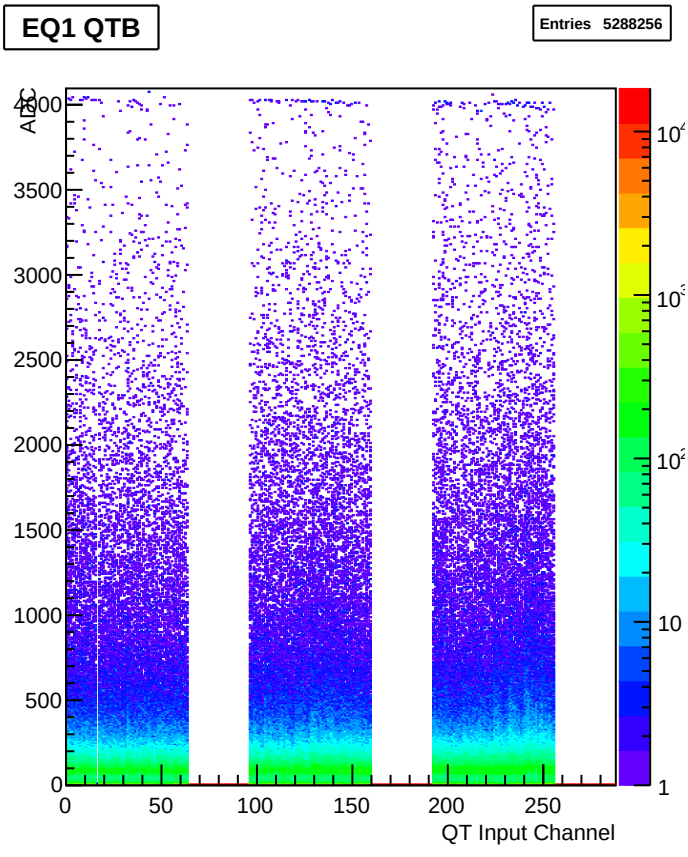

BBQ-ZD001 (ZDC TOWER)
Entries 293792
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

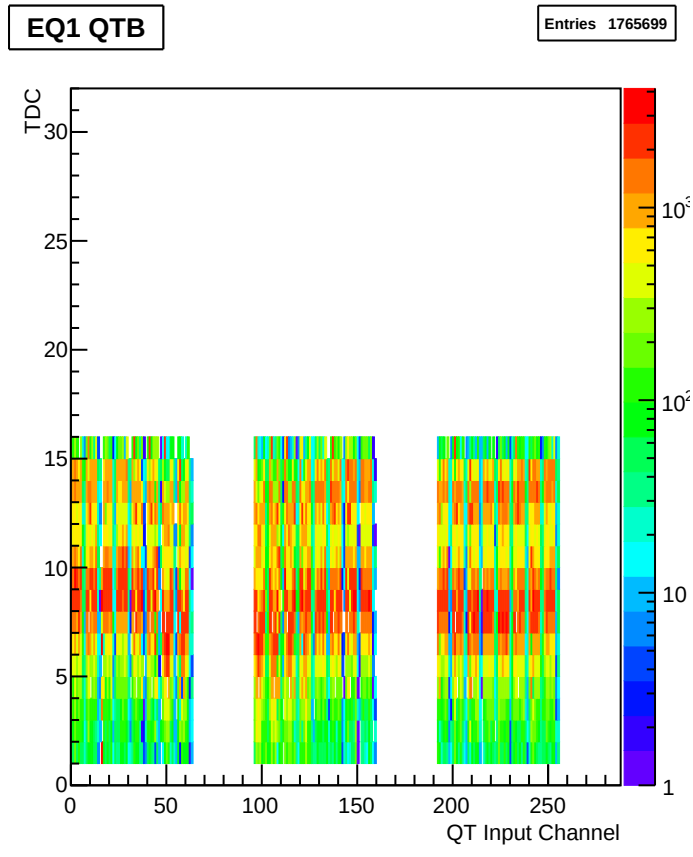

BBQ-VP001 East
Entries 293792
ADC
QT Input Channel

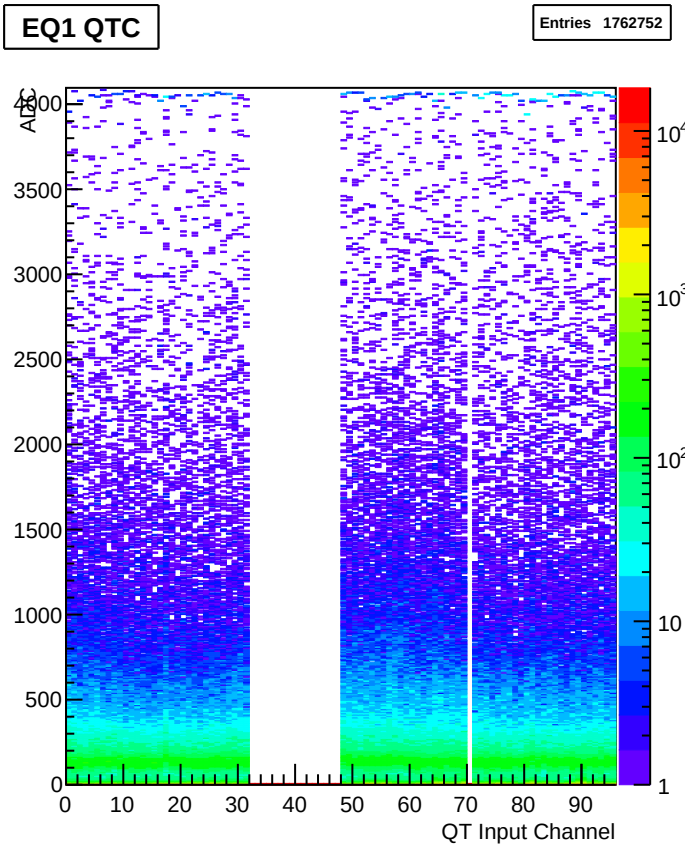

BBQ-VP001 East
Entries 293792
TADC
QT Input Channel

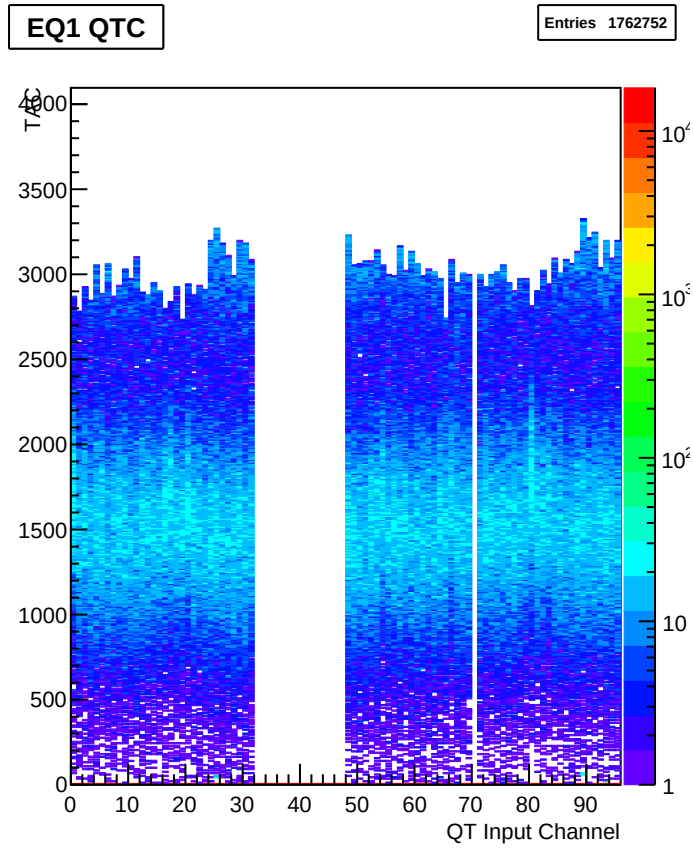

BBQ-VP002 West
Entries 293792
ADC
QT Input Channel

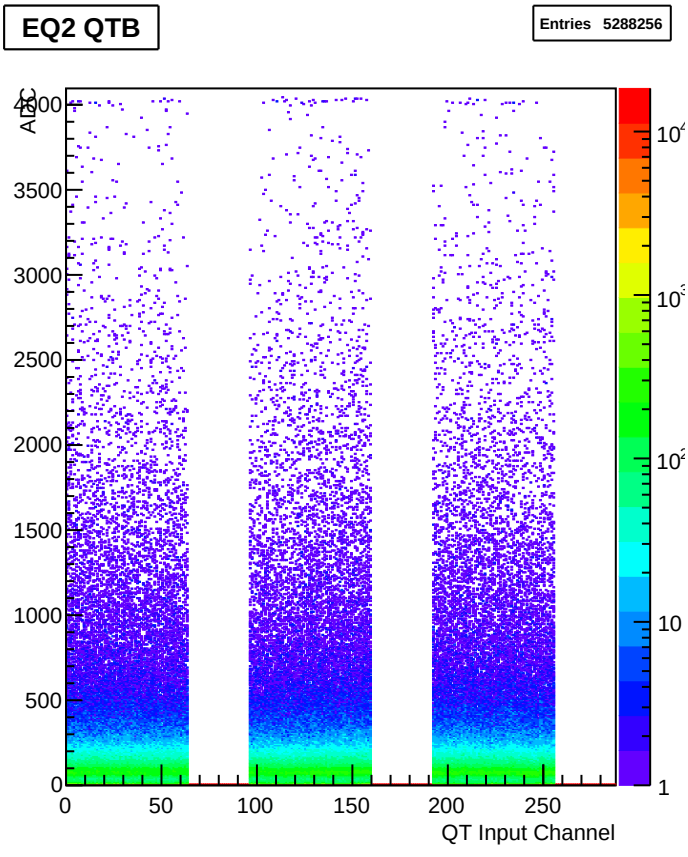

BBQ-VP002 West
Entries 293792
TADC
QT Input Channel

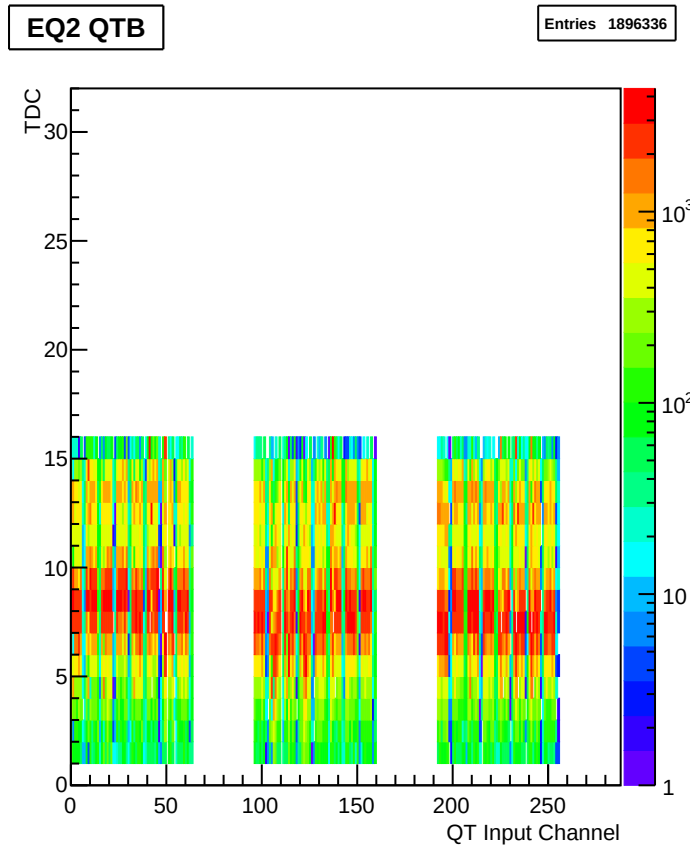

EQ1 QTB
Entries 5288256
ADC
QT Input Channel

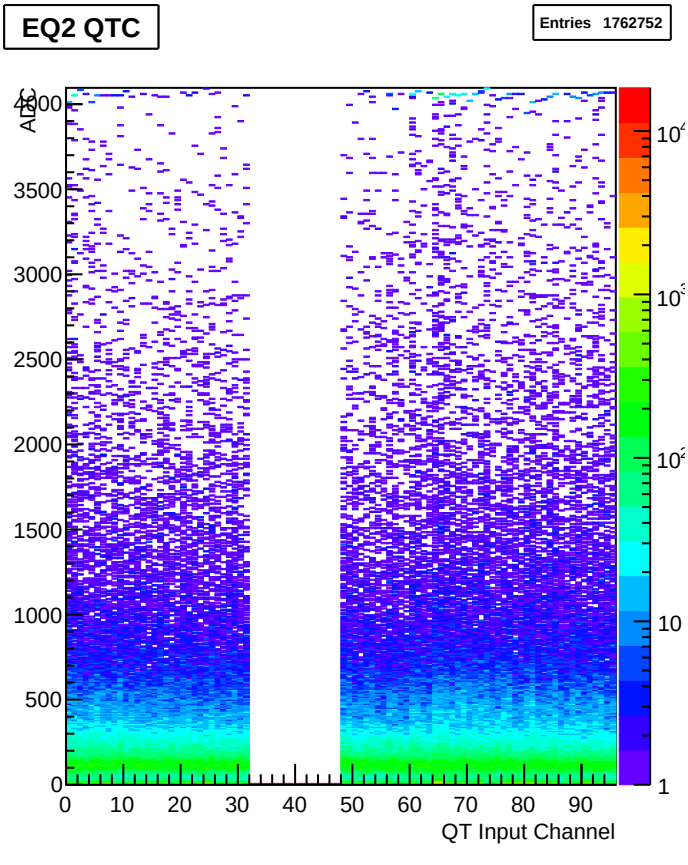

EQ1 QTB
Entries 1765699
TDC
QT Input Channel

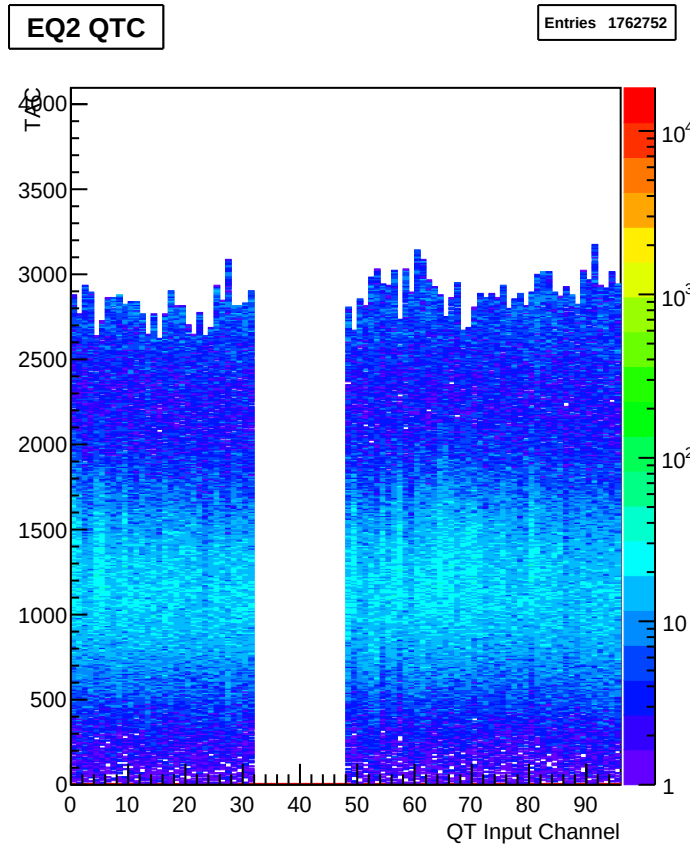

EQ1 QTC
Entries 1762752
ADC
QT Input Channel

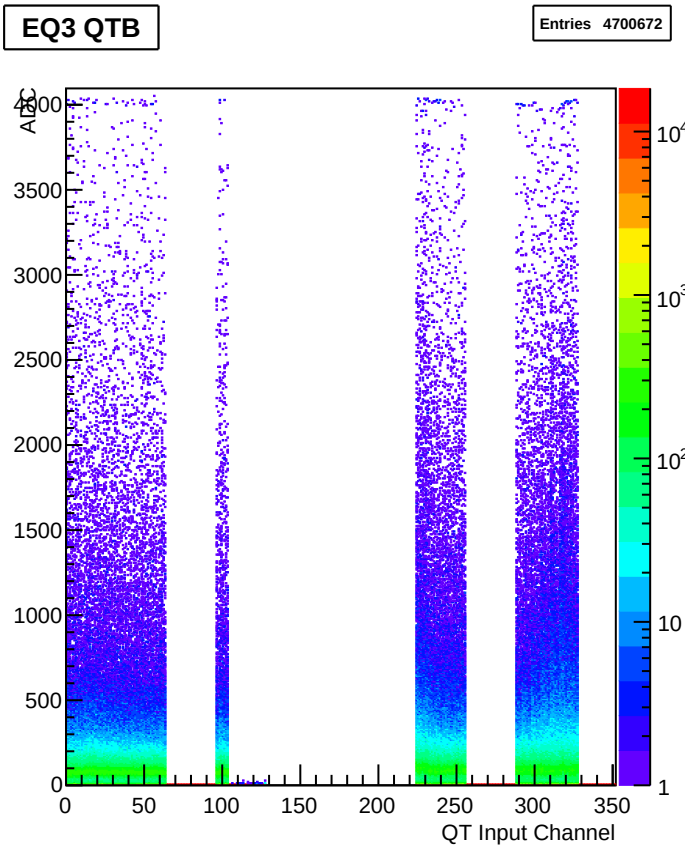

EQ1 QTC
Entries 1762752
TADC
QT Input Channel

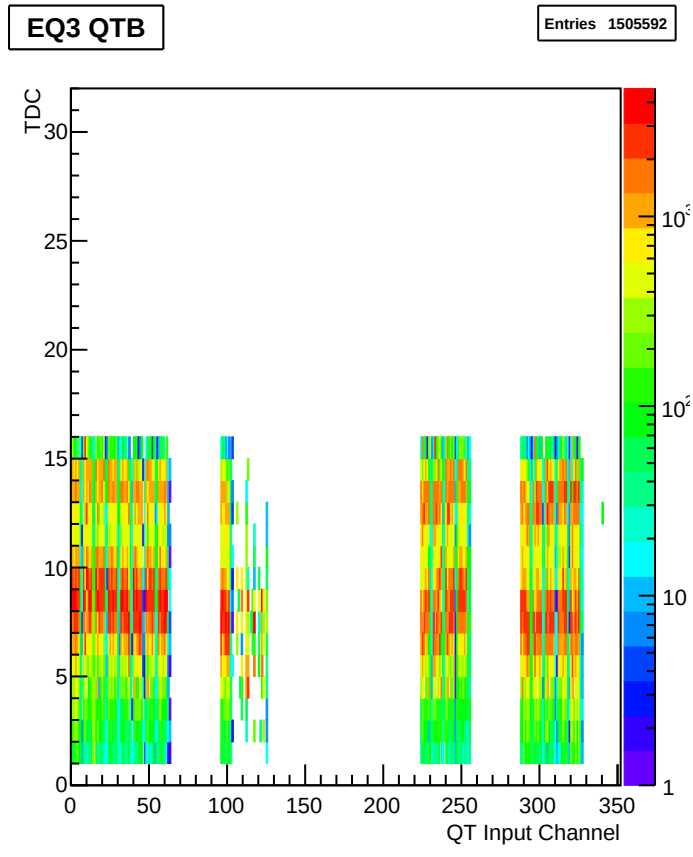

EQ2 QTB
Entries 5288256
ADC
QT Input Channel

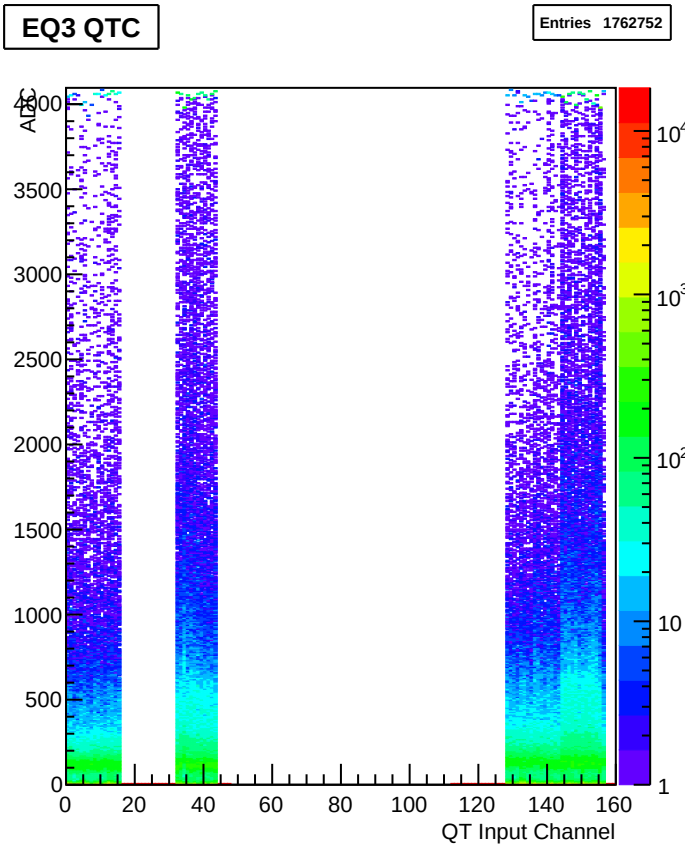

EQ2 QTB
Entries 1896336
TDC
QT Input Channel

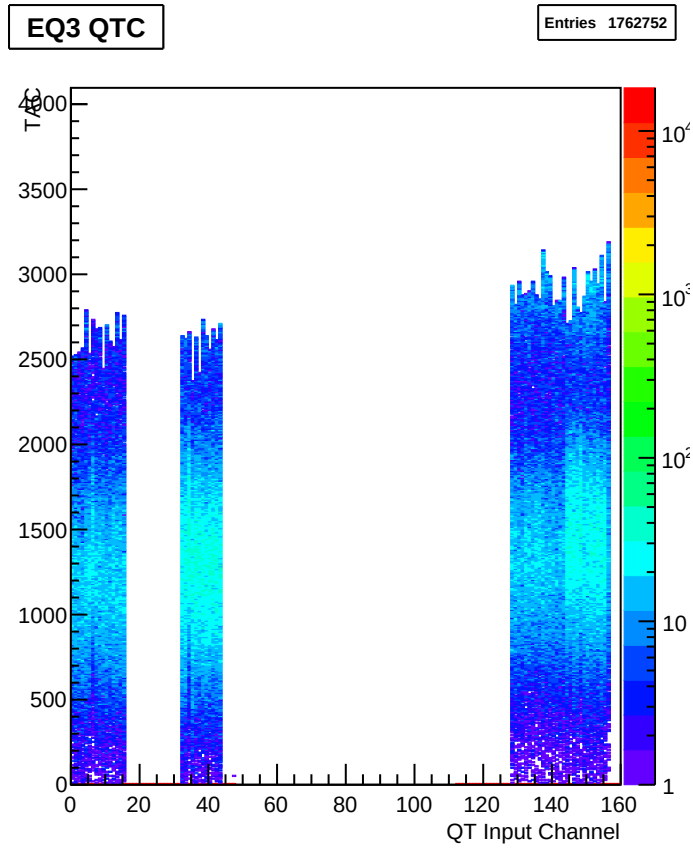

EQ2 QTC
Entries 1762752
ADC
QT Input Channel

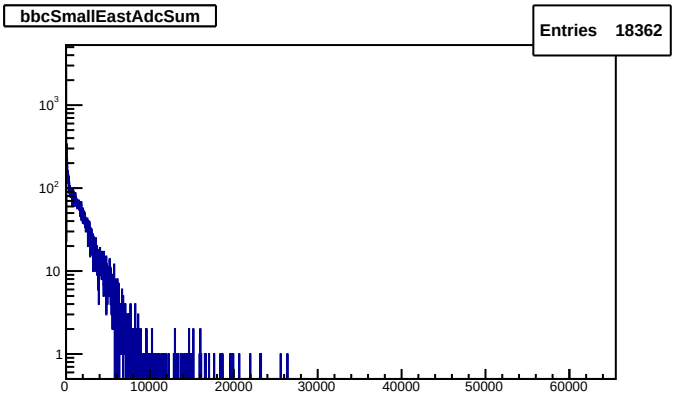

EQ2 QTC
Entries 1762752
TADC
QT Input Channel

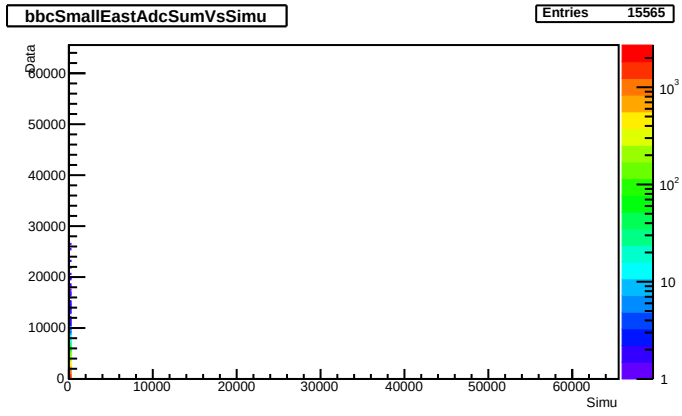

EQ3 QTB
Entries 4700672
ADC
QT Input Channel

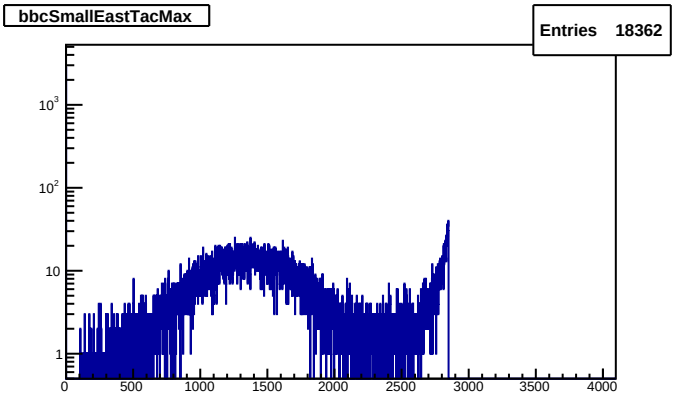

EQ3 QTB
Entries 1505592
TDC
QT Input Channel

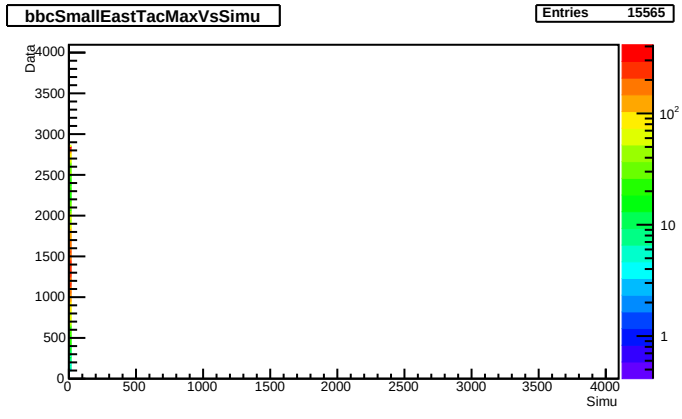

EQ3 QTC
Entries 1762752
ADC
QT Input Channel

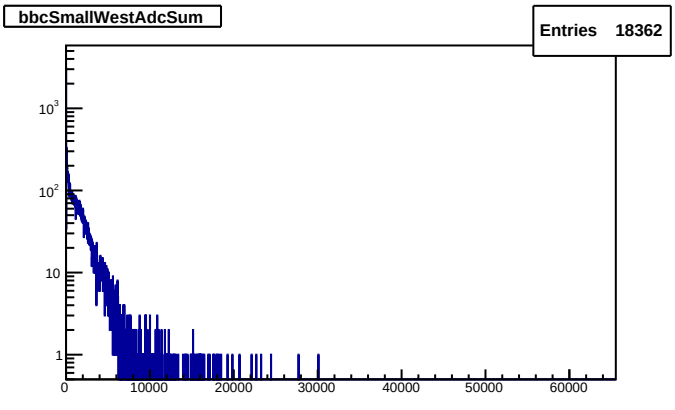

EQ3 QTC
Entries 1762752
TADC
QT Input Channel

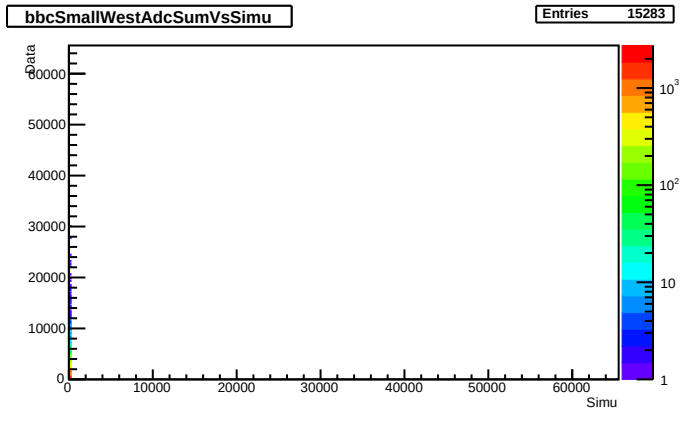

bbcSmallEastAdcSum
Entries 18362

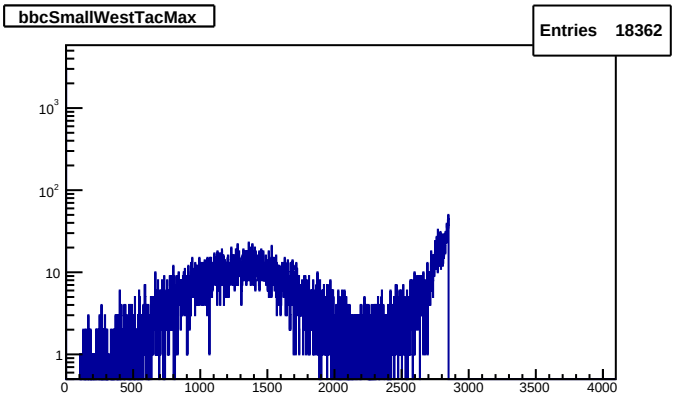

bbcSmallEastAdcSumVsSimu
Entries 15565
Data
Simu

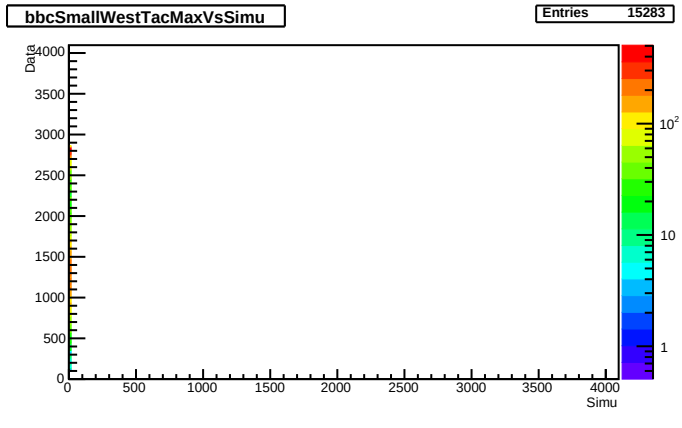

bbcSmallEastTacMax
Entries 18362

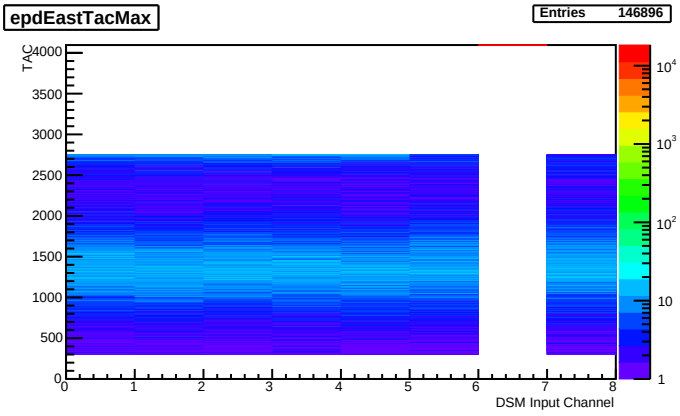

bbcSmallEastTacMaxVsSimu
Entries 15565
Data
Simu

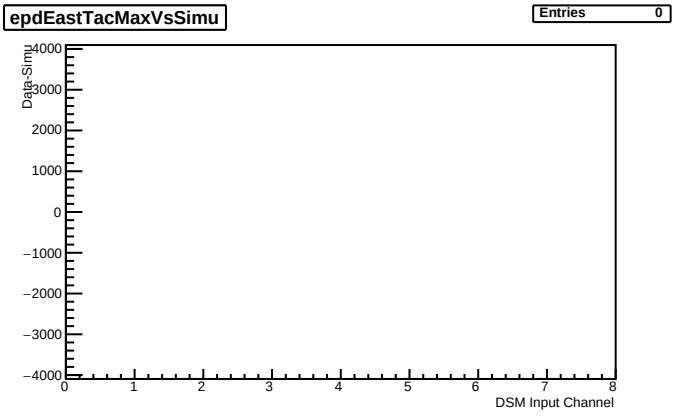

bbcSmallWestAdcSum
Entries 18362

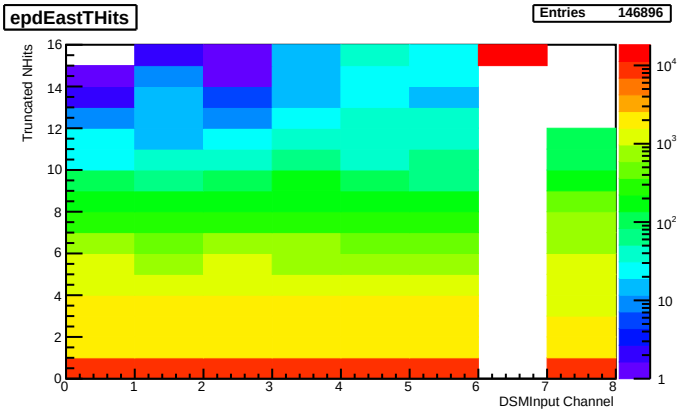

bbcSmallWestAdcSumVsSimu
Entries 15283
Data
Simu

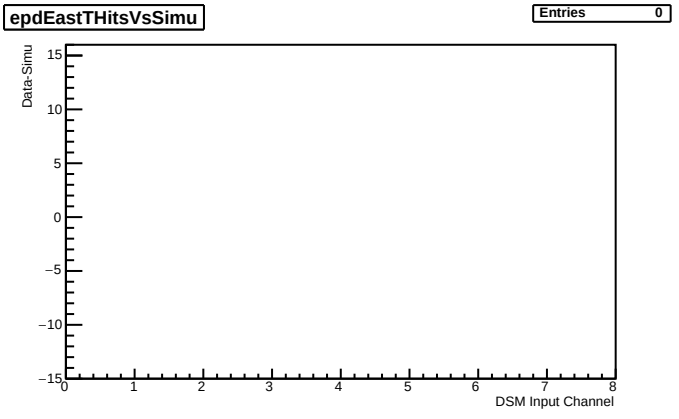

bbcSmallWestTacMax
Entries 18362

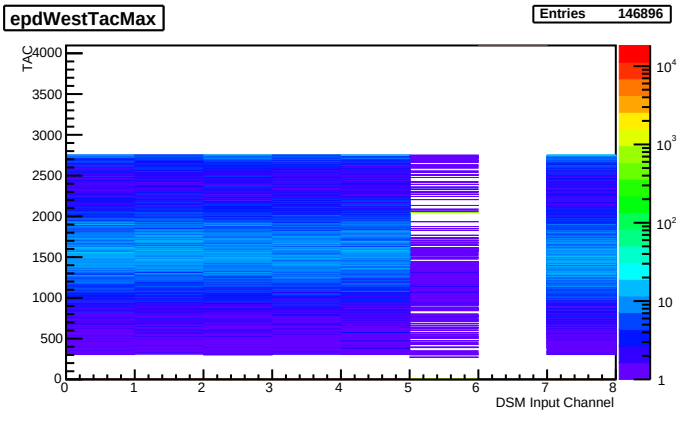

bbcSmallWestTacMaxVsSimu
Entries 15283
Data
Simu

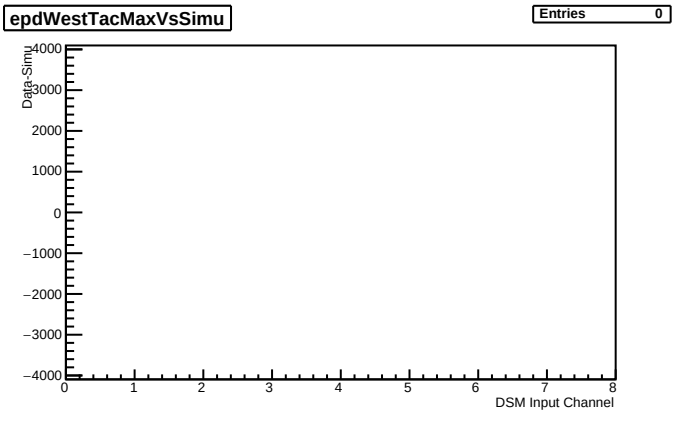

epdEastTacMax
Entries 146896
TAC
DSM Input Channel

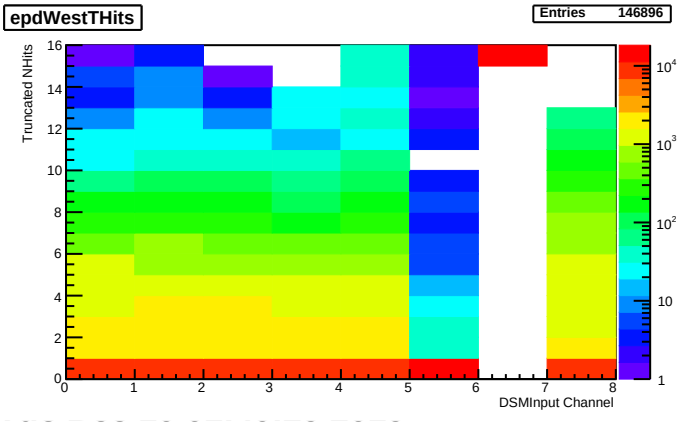

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

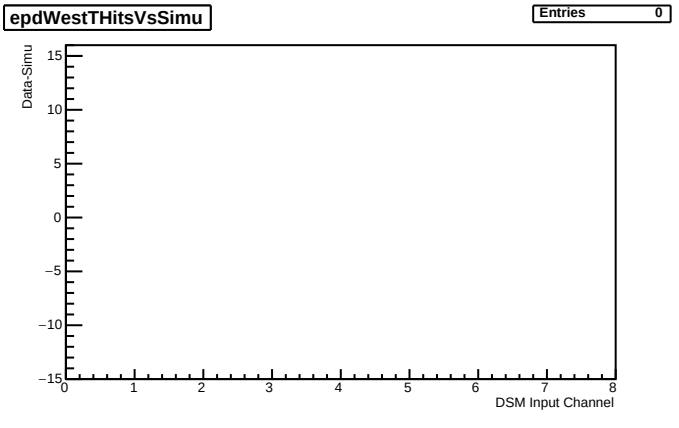

epdEastTHits
Entries 146896
Truncated NHits
DSMInput Channel

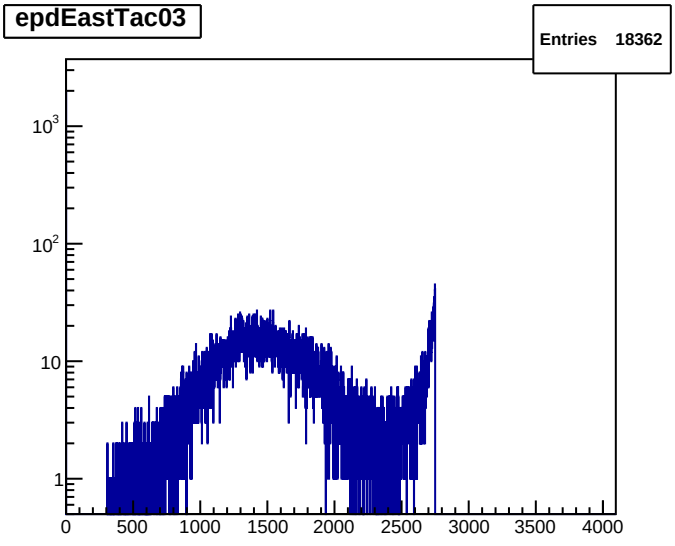

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

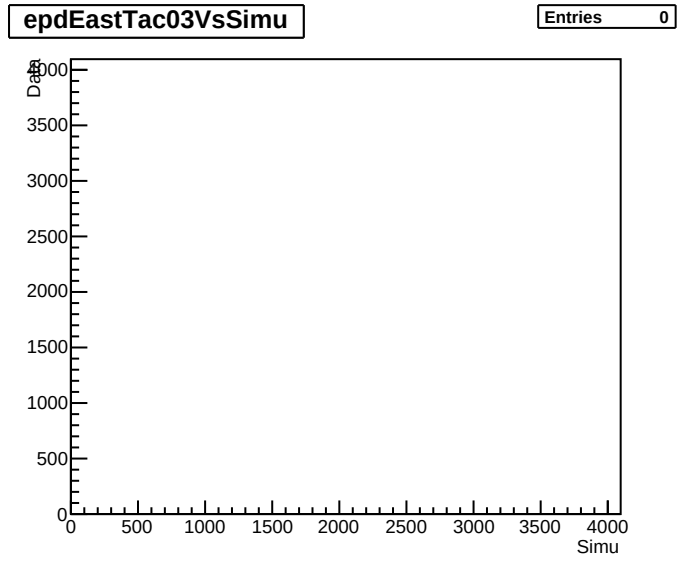

epdWestTacMax
Entries 146896
TAC
DSM Input Channel

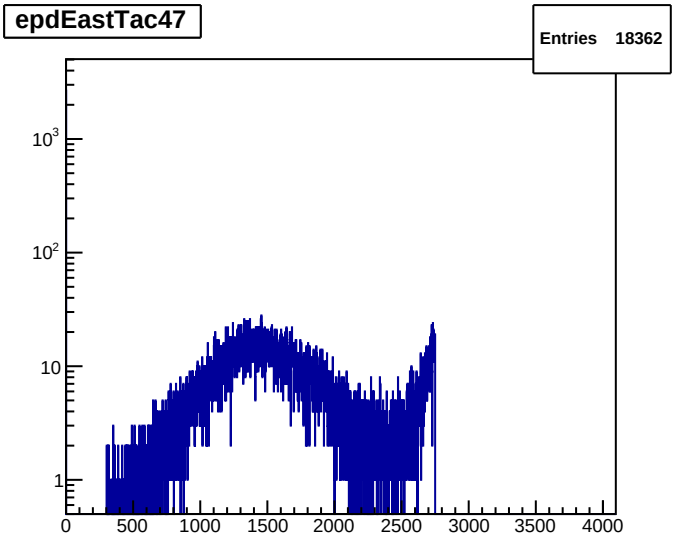

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

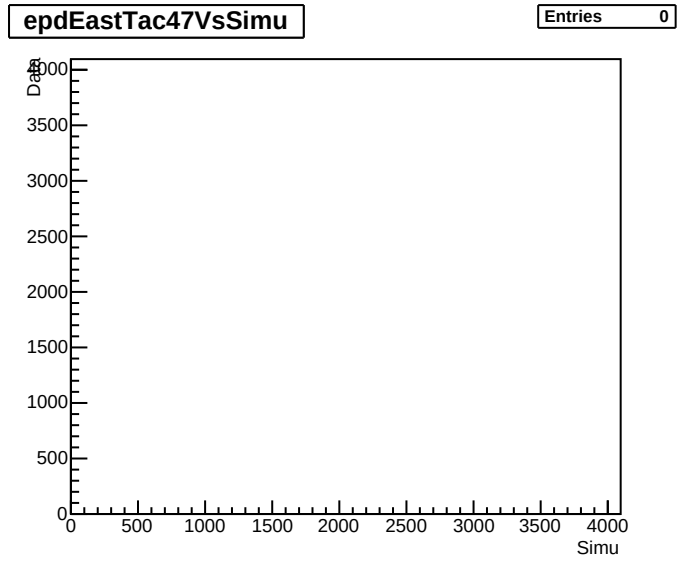

epdWestTHits
Entries 146896
Truncated NHits
DSMInput Channel

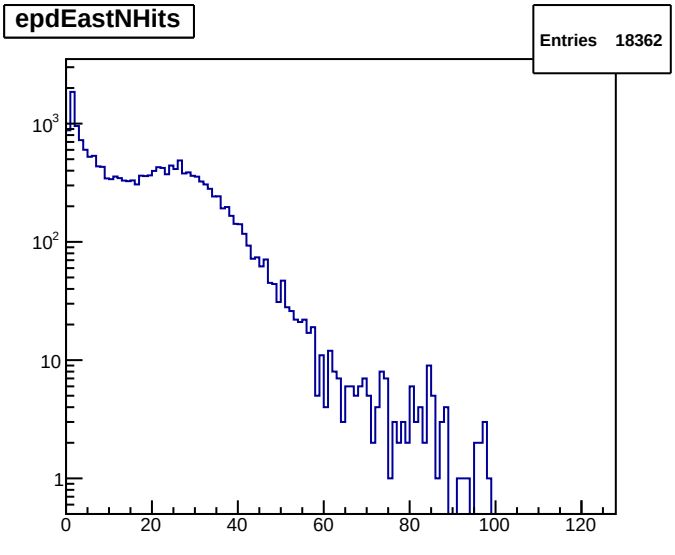

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

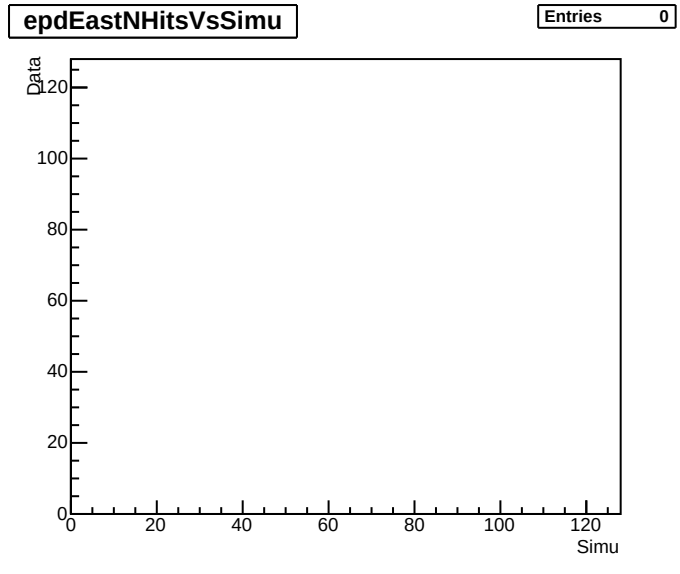

epdEastTac03
Entries 18362
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

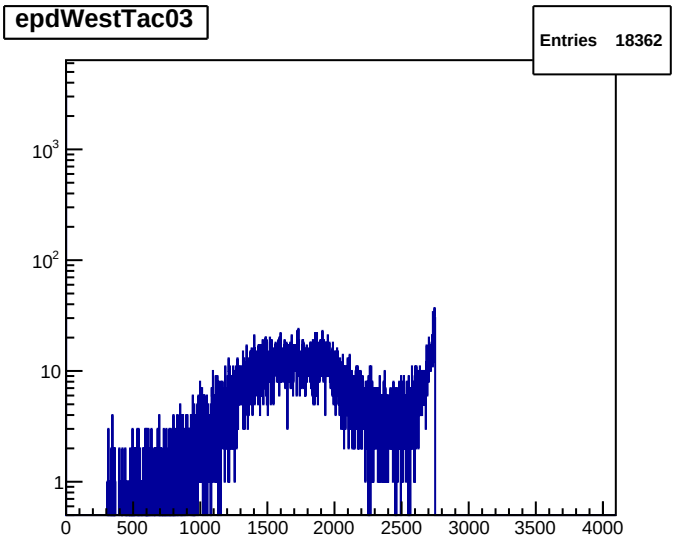

epdEastTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

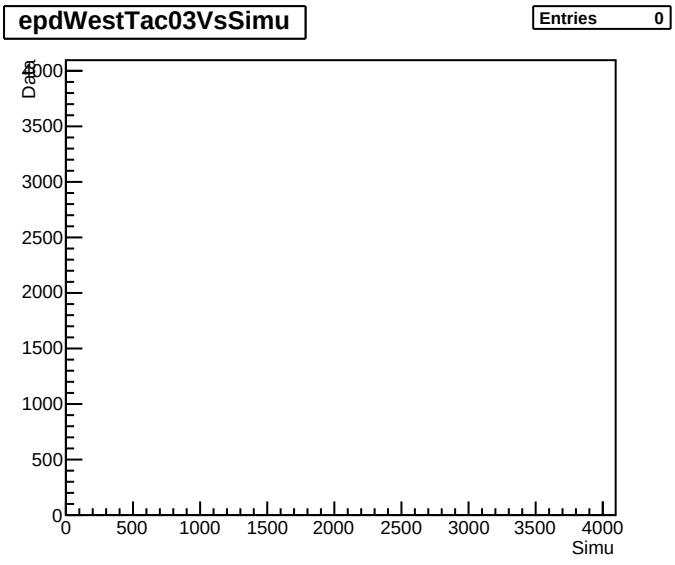

epdEastTac47
Entries 18362
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

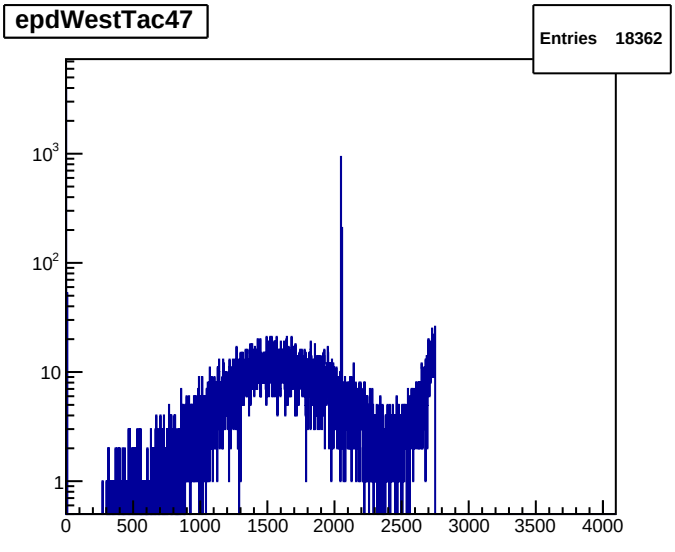

epdEastTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

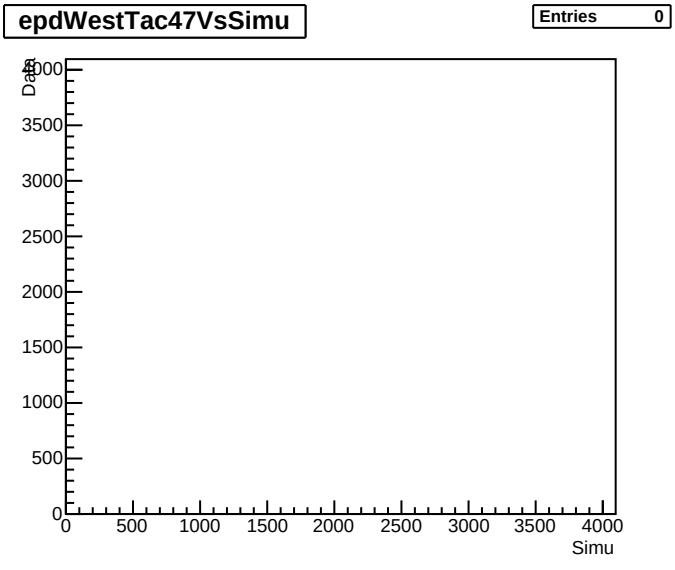

epdEastNHits
Entries 18362
10^3
10^2
10
1
0 20 40 60 80 100 120

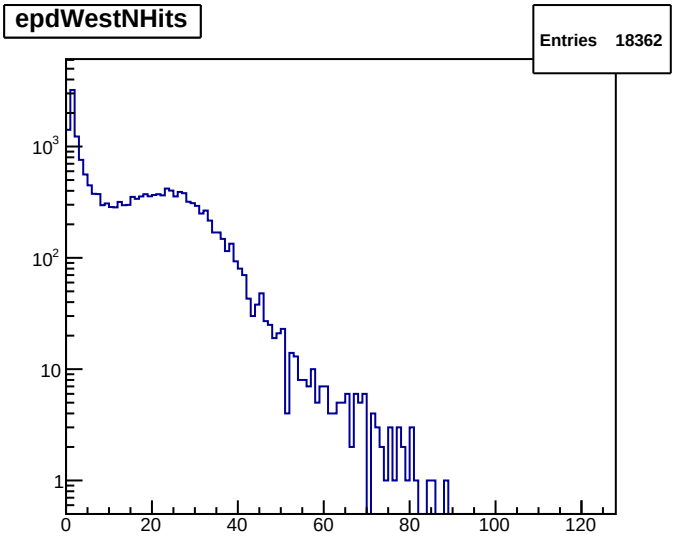

epdEastNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

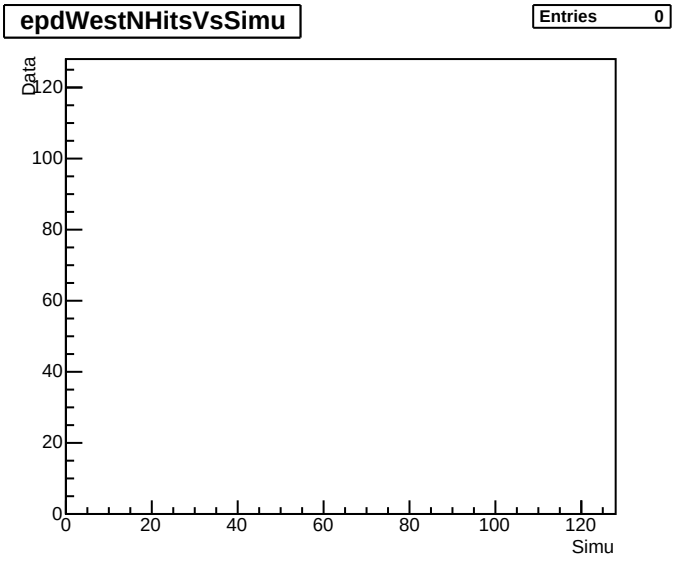

epdWestTac03
Entries 18362

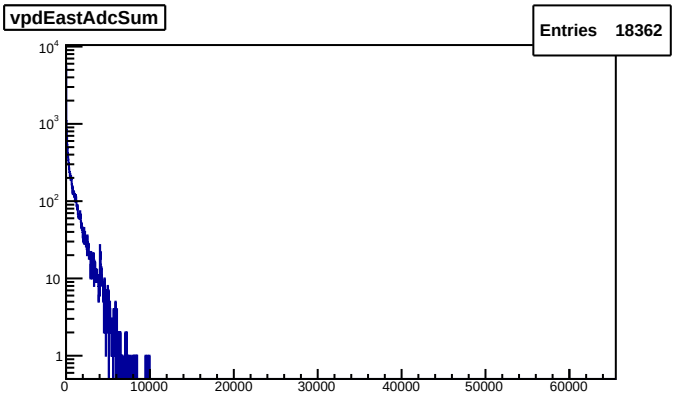

epdWestTac03VsSimu
Entries 0
Data
Simu

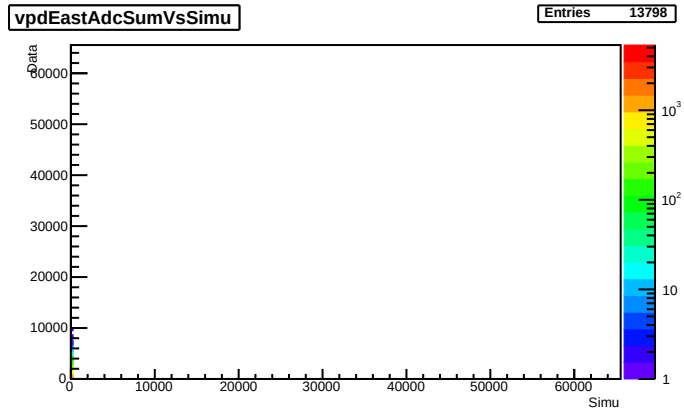

epdWestTac47
Entries 18362

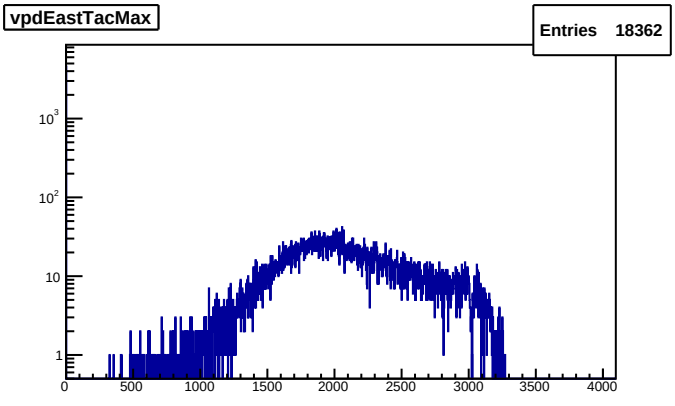

epdWestTac47VsSimu
Entries 0
Data
Simu

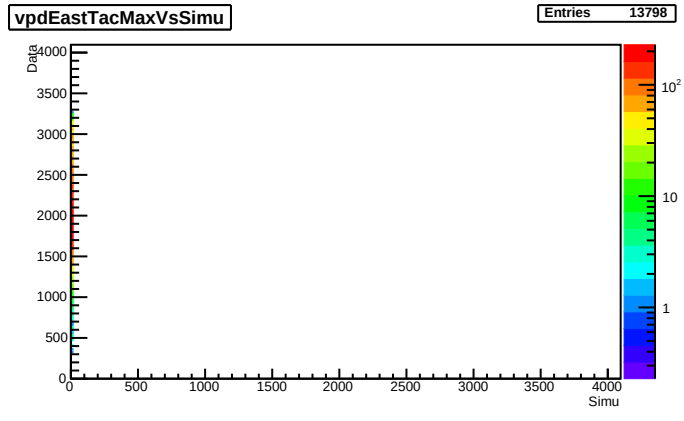

epdWestNHits
Entries 18362

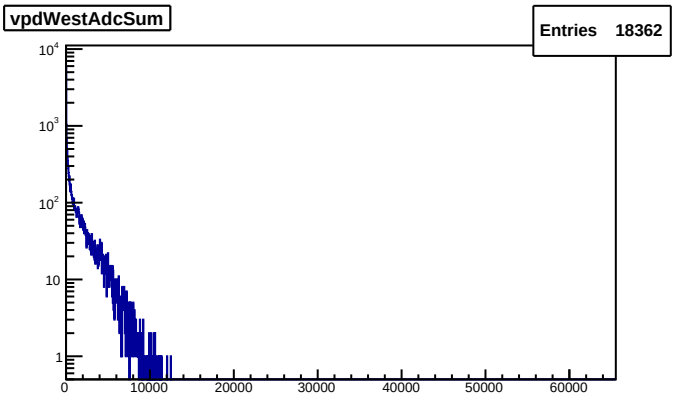

epdWestNHitsVsSimu
Entries 0
Data
Simu

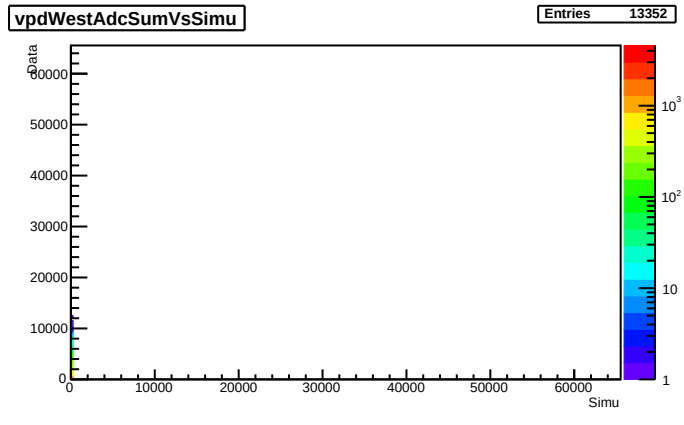

vpdEastAdcSum
Entries 18362

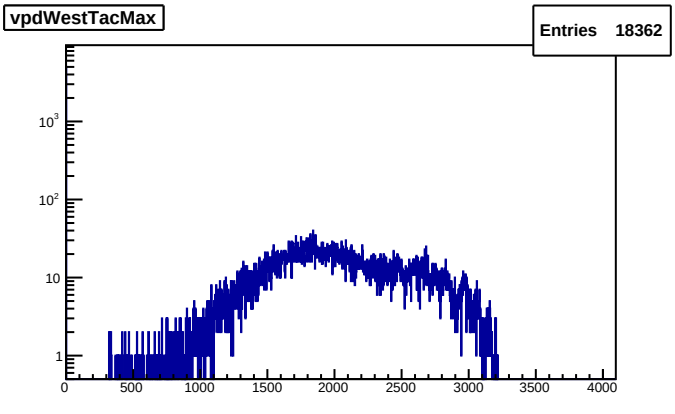

vpdEastAdcSumVsSimu
Entries 13798
Data
Simu

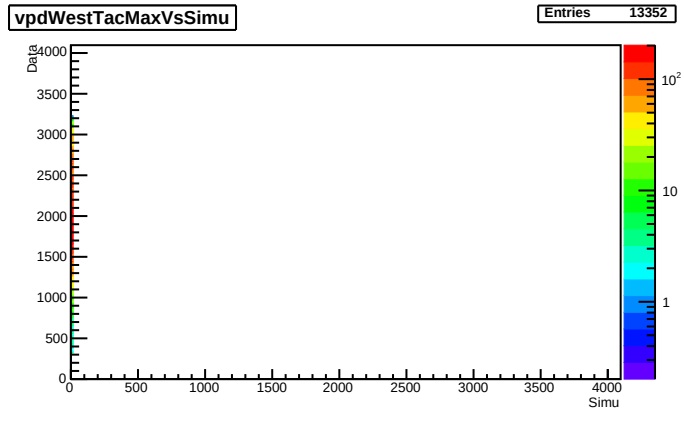

vpdEastTacMax
Entries 18362

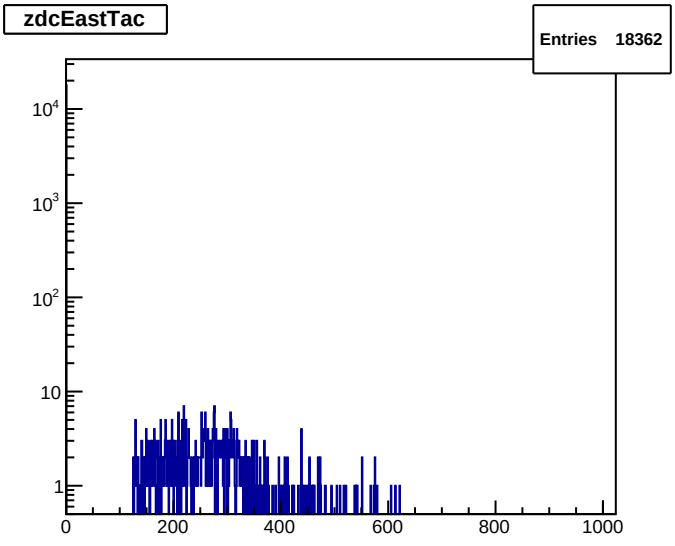

vpdEastTacMaxVsSimu
Entries 13798
Data
Simu

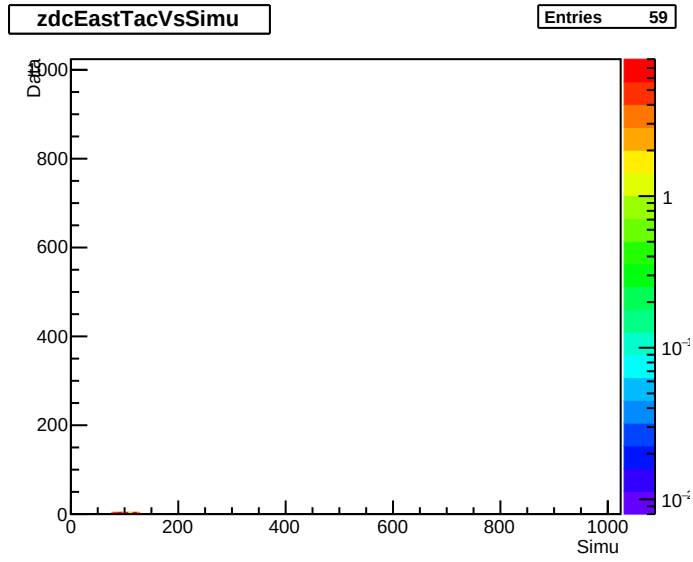

vpdWestAdcSum
Entries 18362

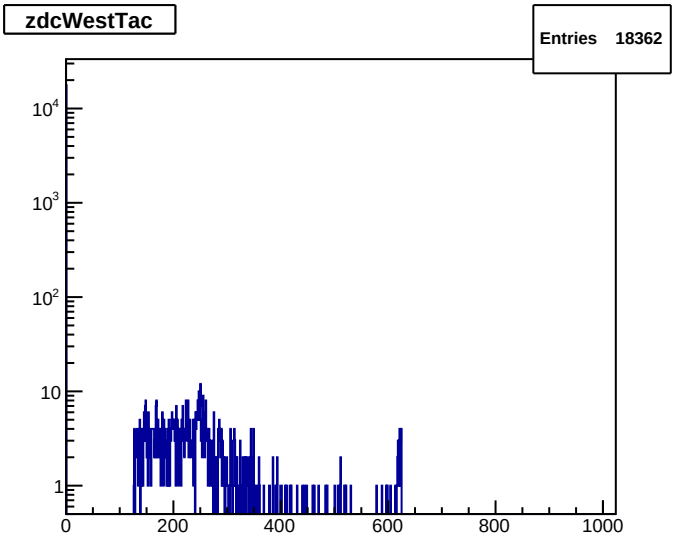

vpdWestAdcSumVsSimu
Entries 13352
Data
Simu

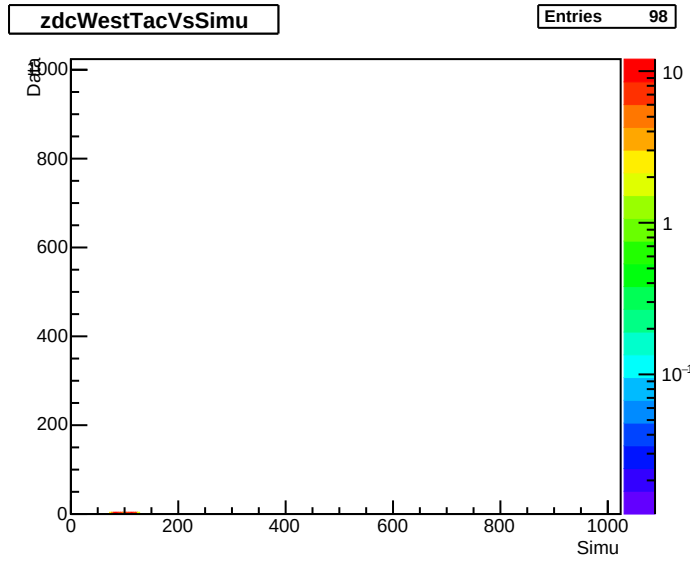

vpdWestTacMax
Entries 18362

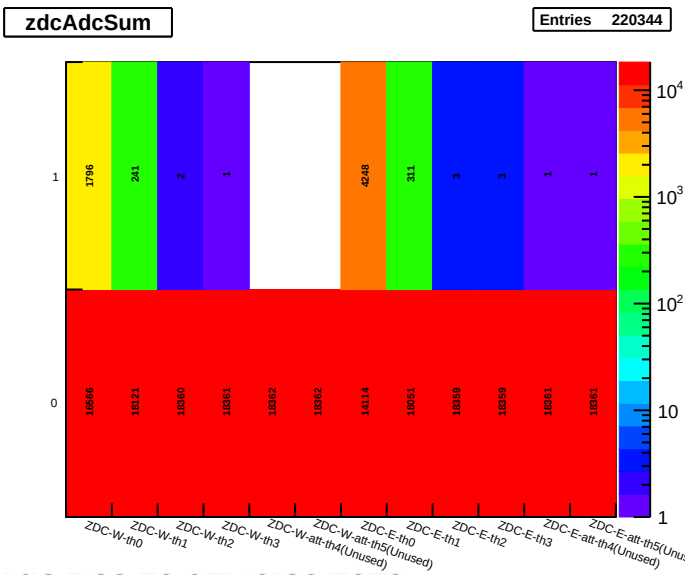

vpdWestTacMaxVsSimu
Entries 13352
Data
Simu

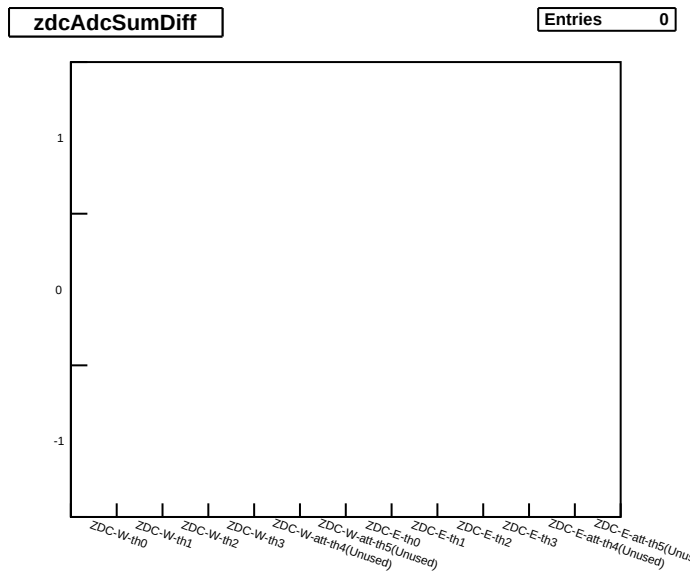

zdcEastTac
Entries 18362

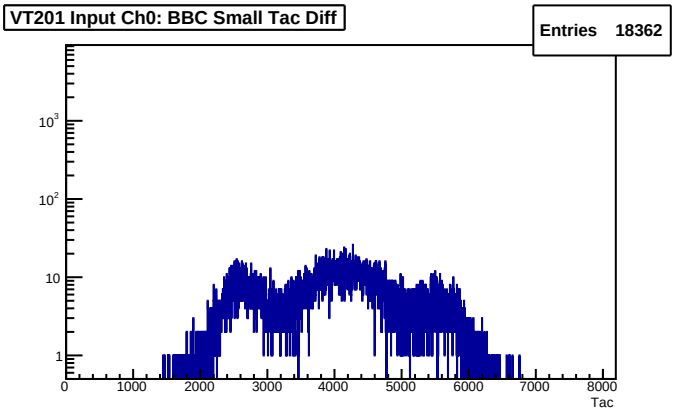

zdcEastTacVsSimu
Entries 59
Data
Simu

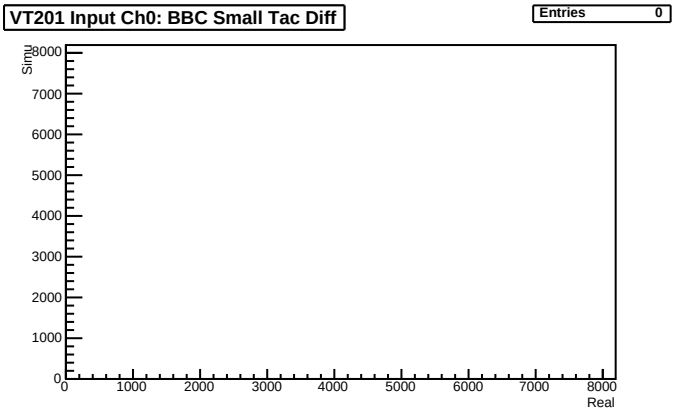

zdcWestTac
Entries 18362

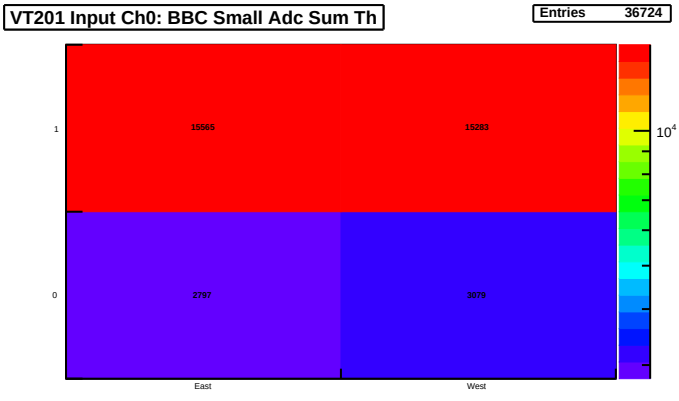

zdcWestTacVsSimu
Entries 98
Data
Simu

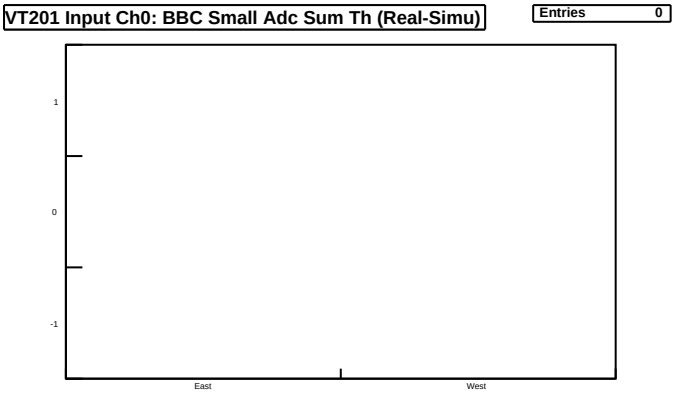

zdcAdcSum
Entries 220344
1796
241
2
1
4248
311
3
3
1
1
16566
18121
18360
18361
18362
18362
14114
18351
18359
18359
18361
18361
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

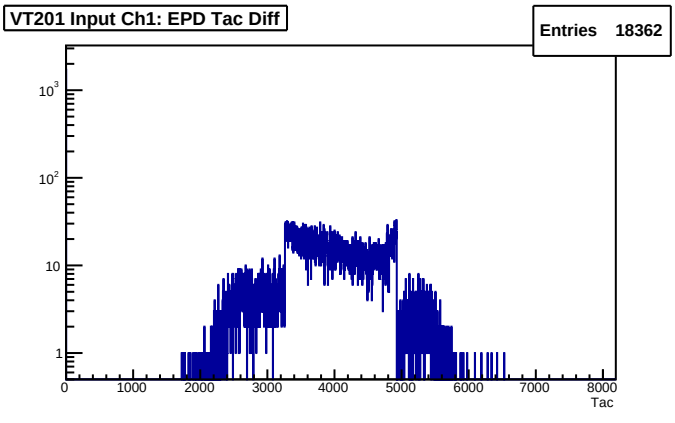

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

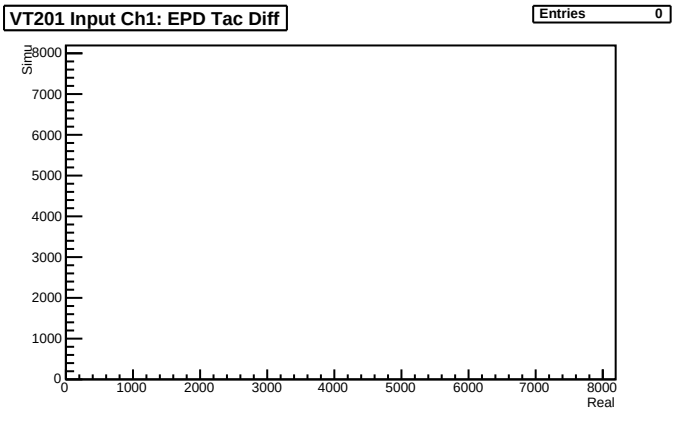

VT201 Input Ch0: BBC Small Tac Diff
Entries 18362
Tac

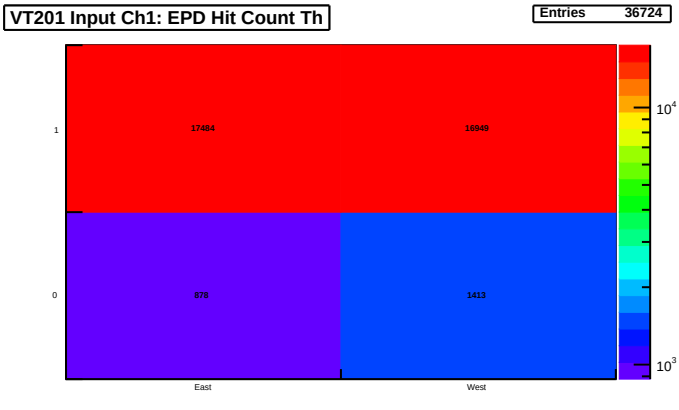

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

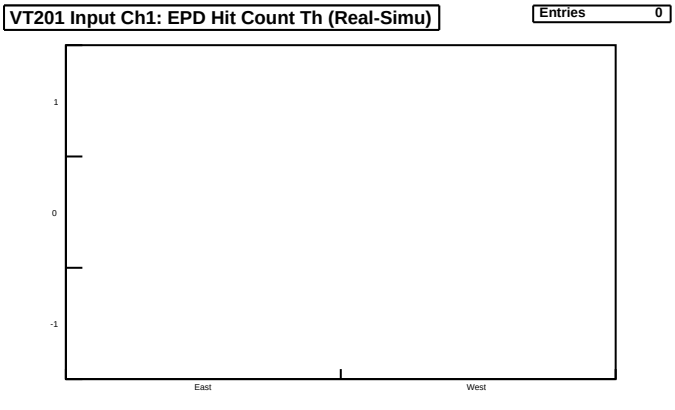

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 36724
15565
15283
2797
3079
East
West

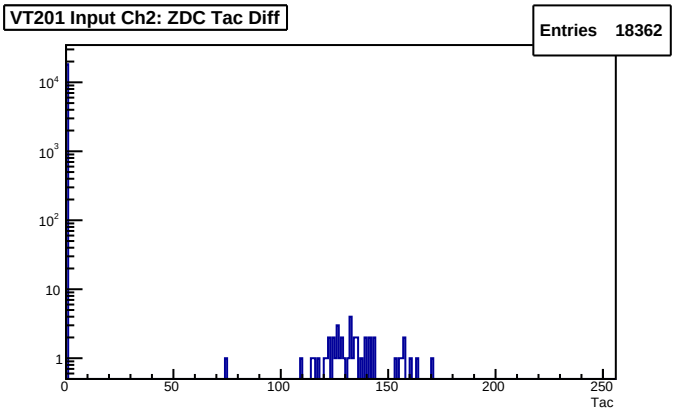

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

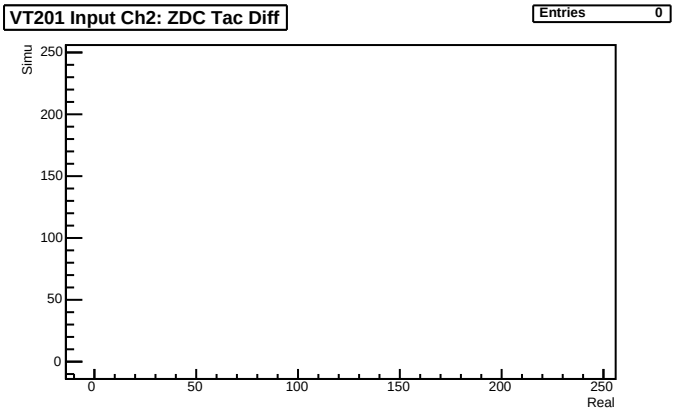

VT201 Input Ch1: EPD Tac Diff
Entries 18362
Tac

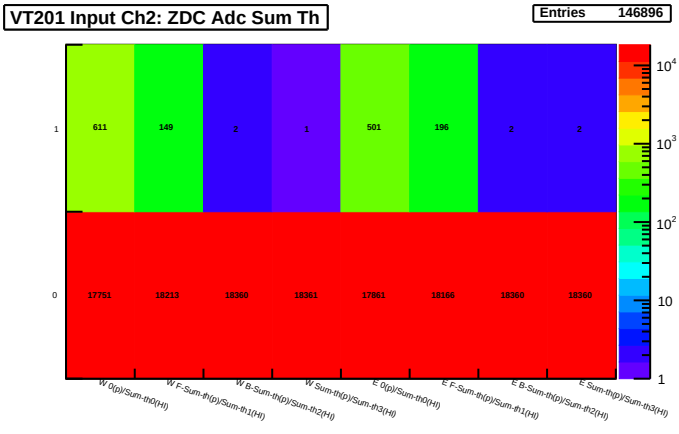

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

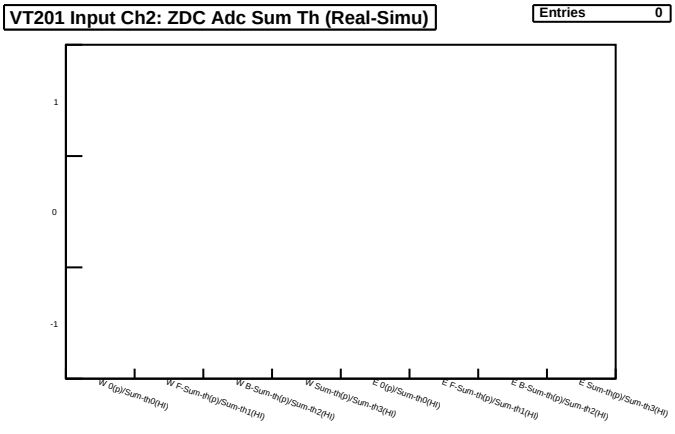

VT201 Input Ch1: EPD Hit Count Th
Entries 36724
17484
16949
878
1413
East
West

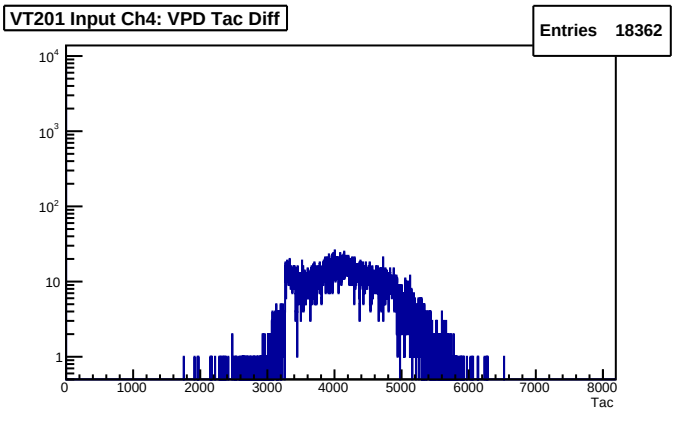

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

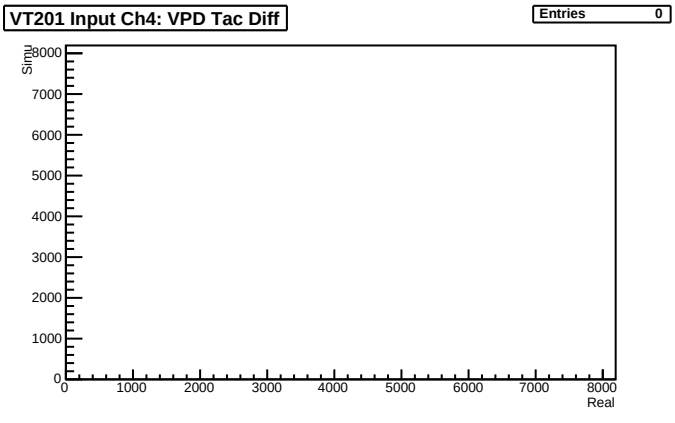

VT201 Input Ch2: ZDC Tac Diff
Entries 18362
Tac

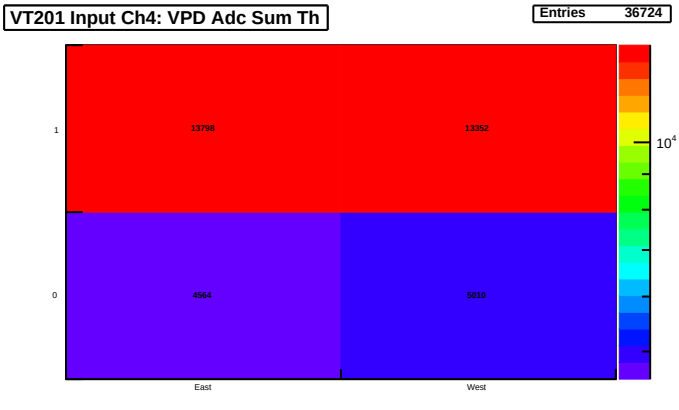

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

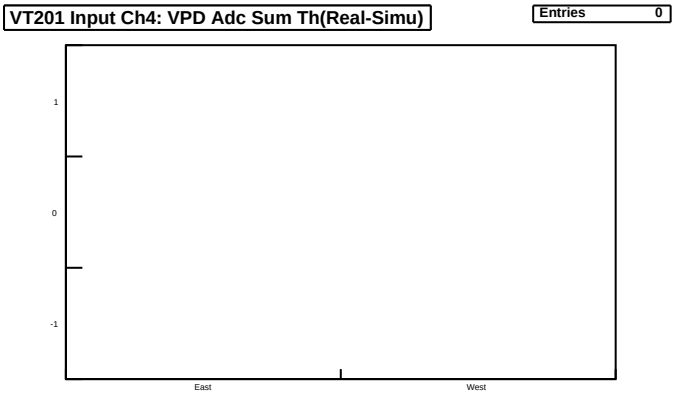

VT201 Input Ch2: ZDC Adc Sum Th
Entries 146896
611
149
2
1
501
196
2
2
17751
18213
18360
18361
17861
18166
18360
18360
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

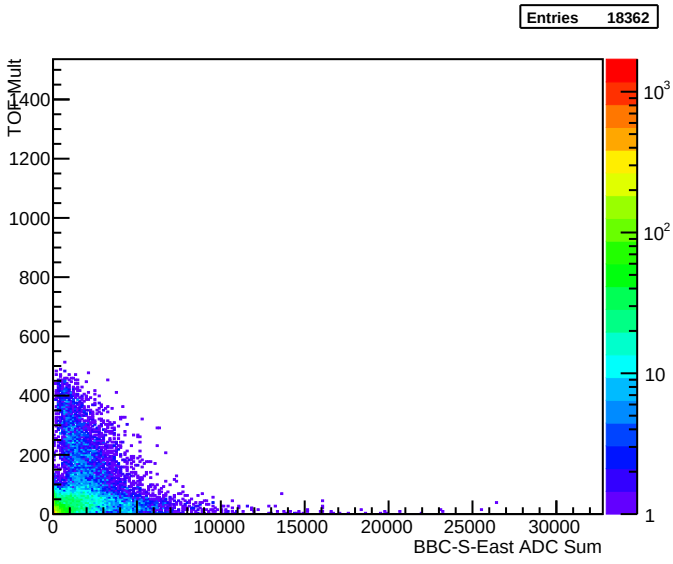

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

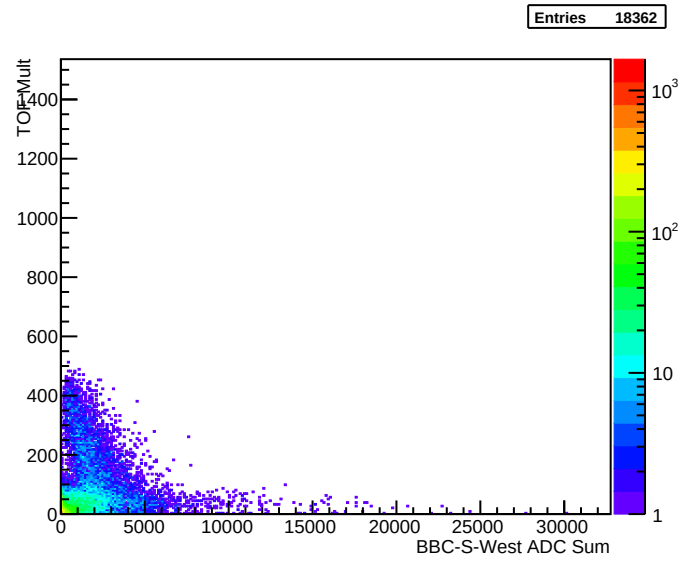

VT201 Input Ch4: VPD Tac Diff
Entries 18362
Tac

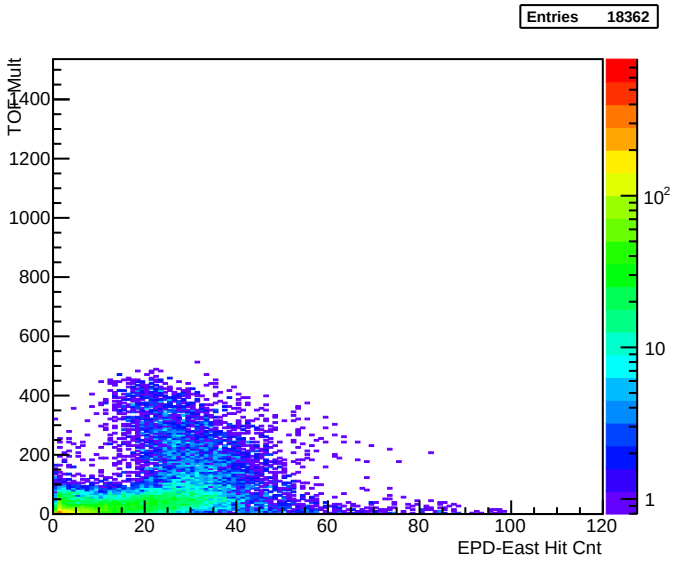

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

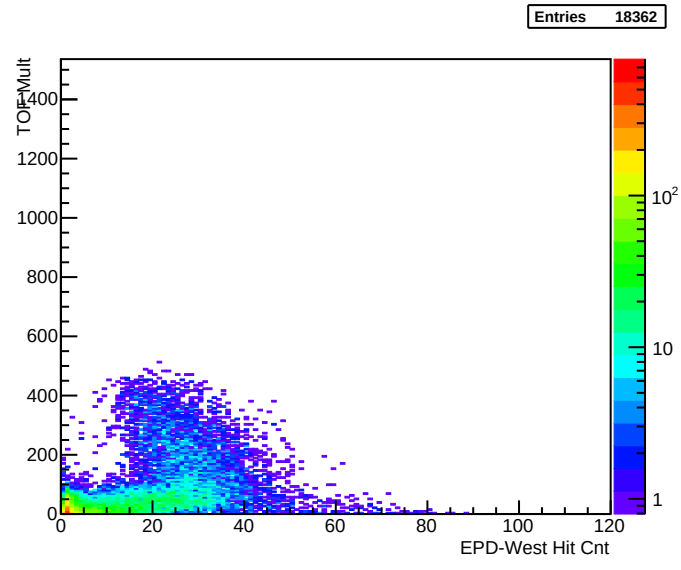

VT201 Input Ch4: VPD Adc Sum Th
Entries 36724
13798
13352
4584
5010
East
West

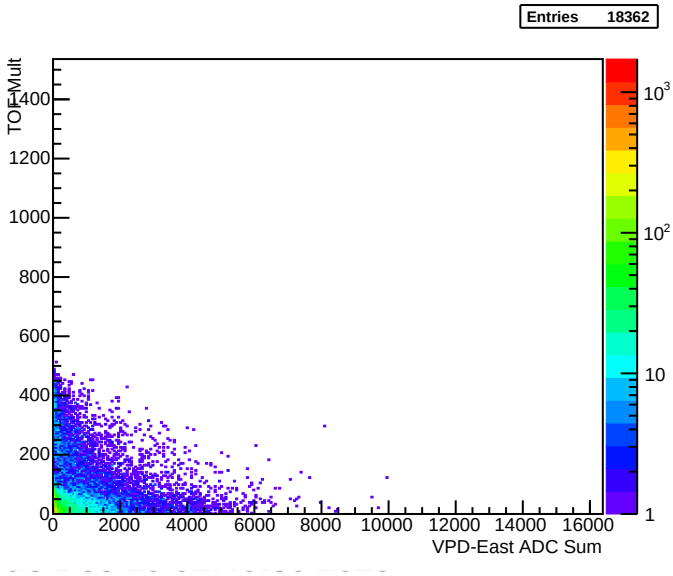

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

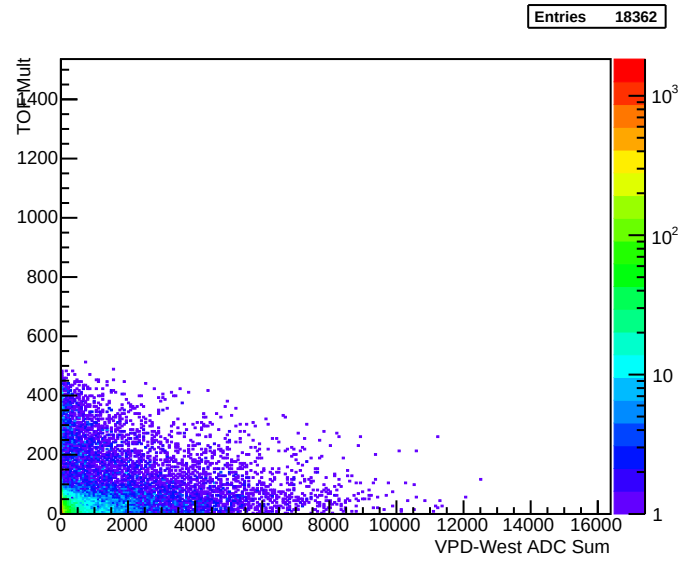

Entries 18362
TOF-Mult
BBC-S-East ADC Sum

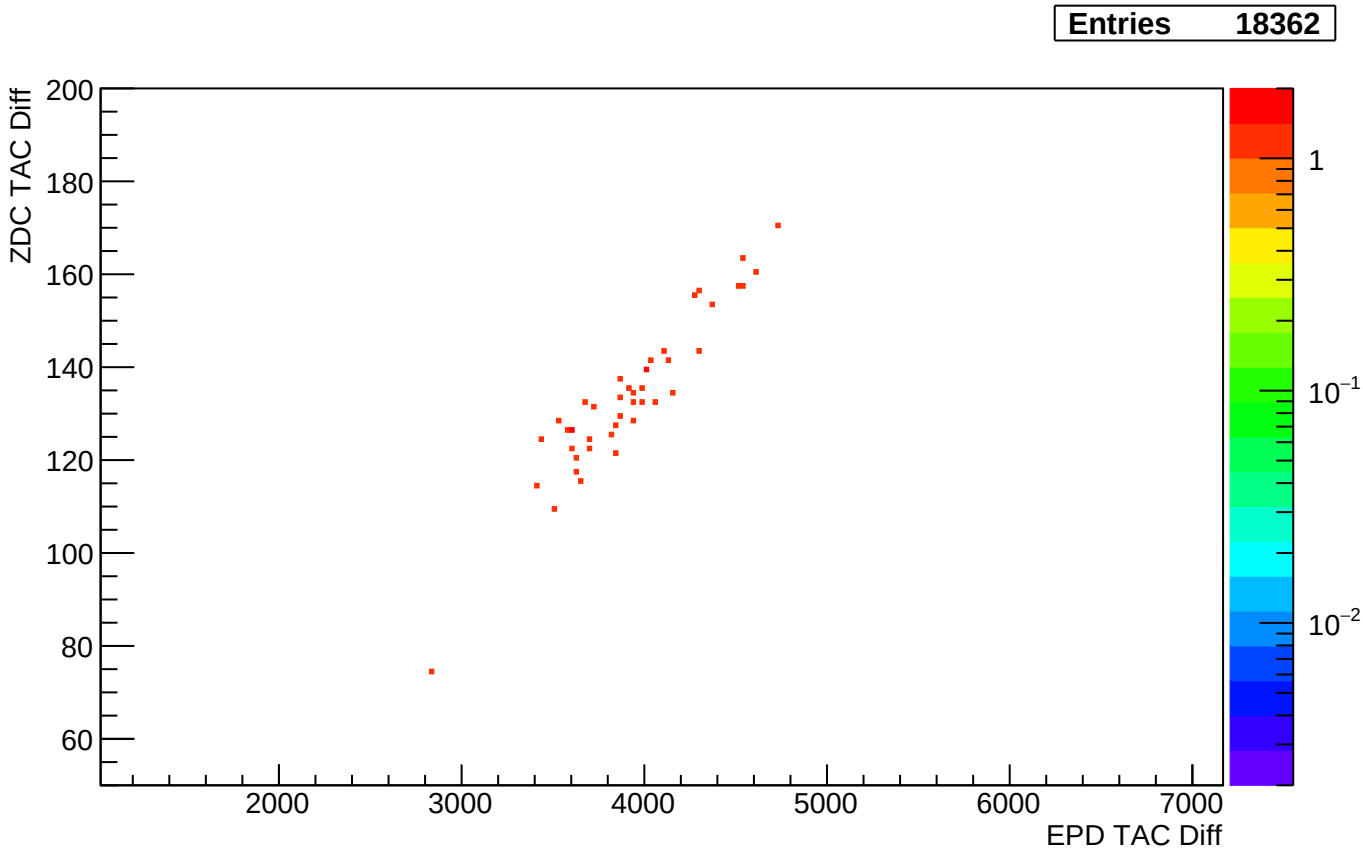

Entries 18362
TOF-Mult
BBC-S-West ADC Sum

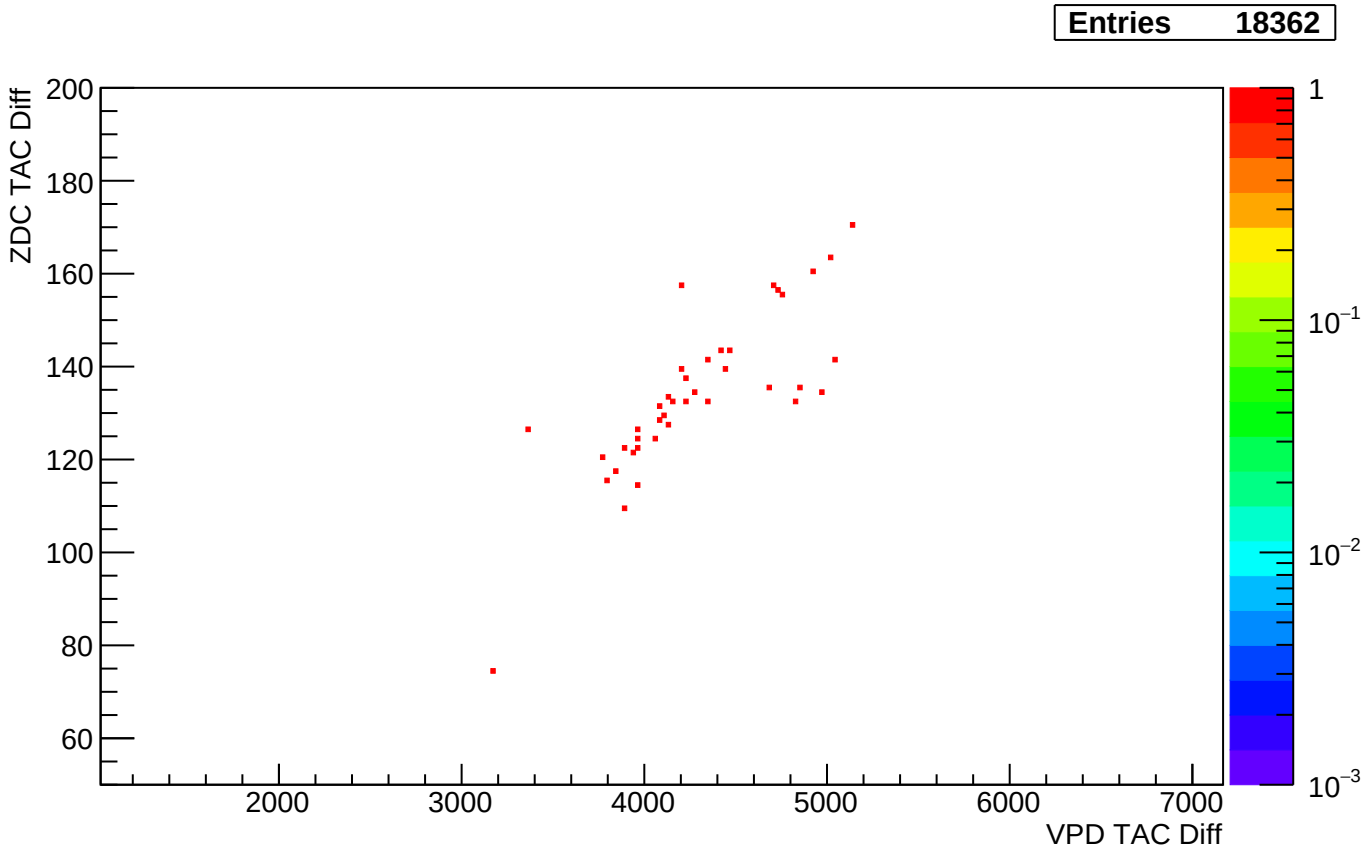

Entries 18362
TOF-Mult
EPD-East Hit Cnt

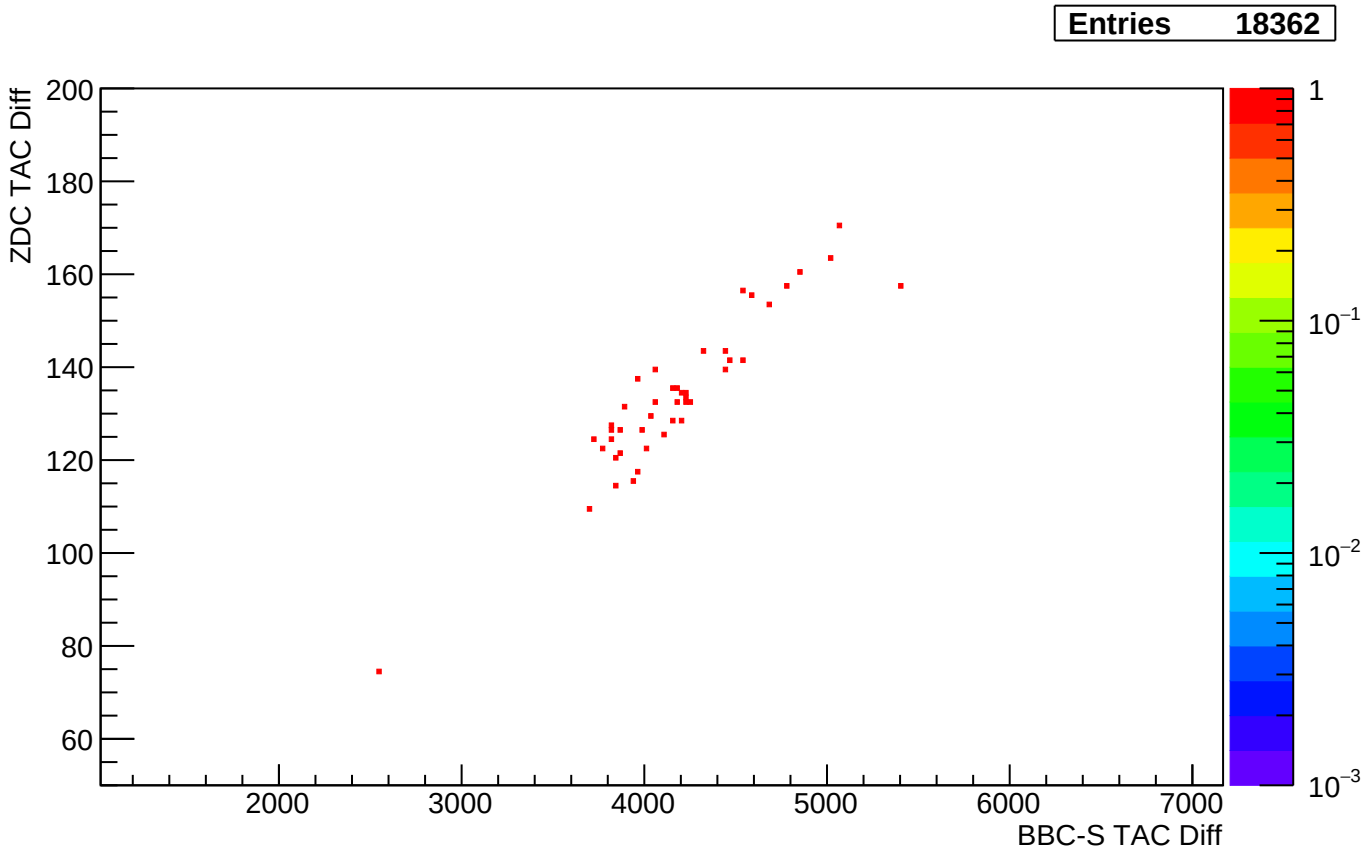

Entries 18362
TOF-Mult
EPD-West Hit Cnt

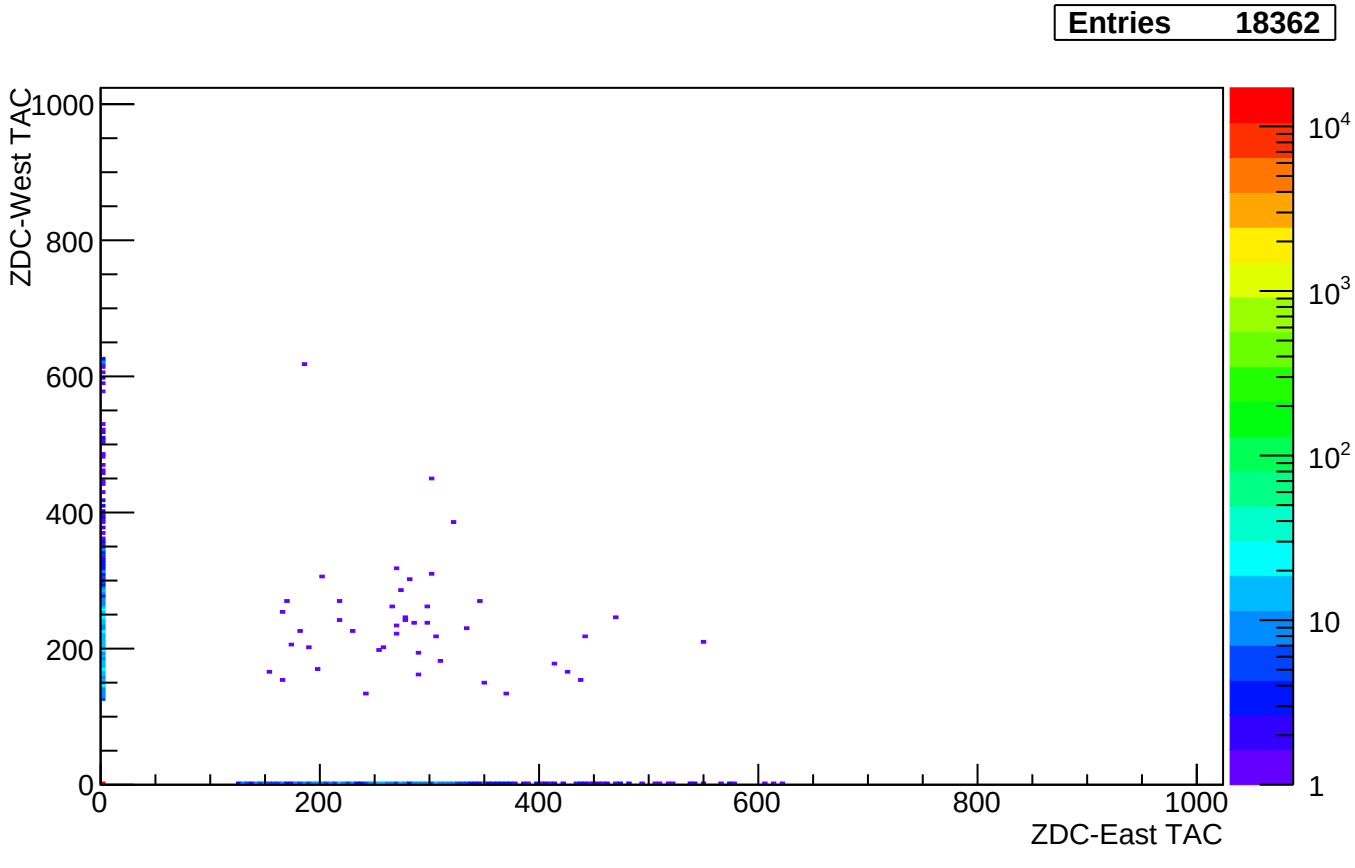

Entries 18362
TOF-Mult
VPD-East ADC Sum

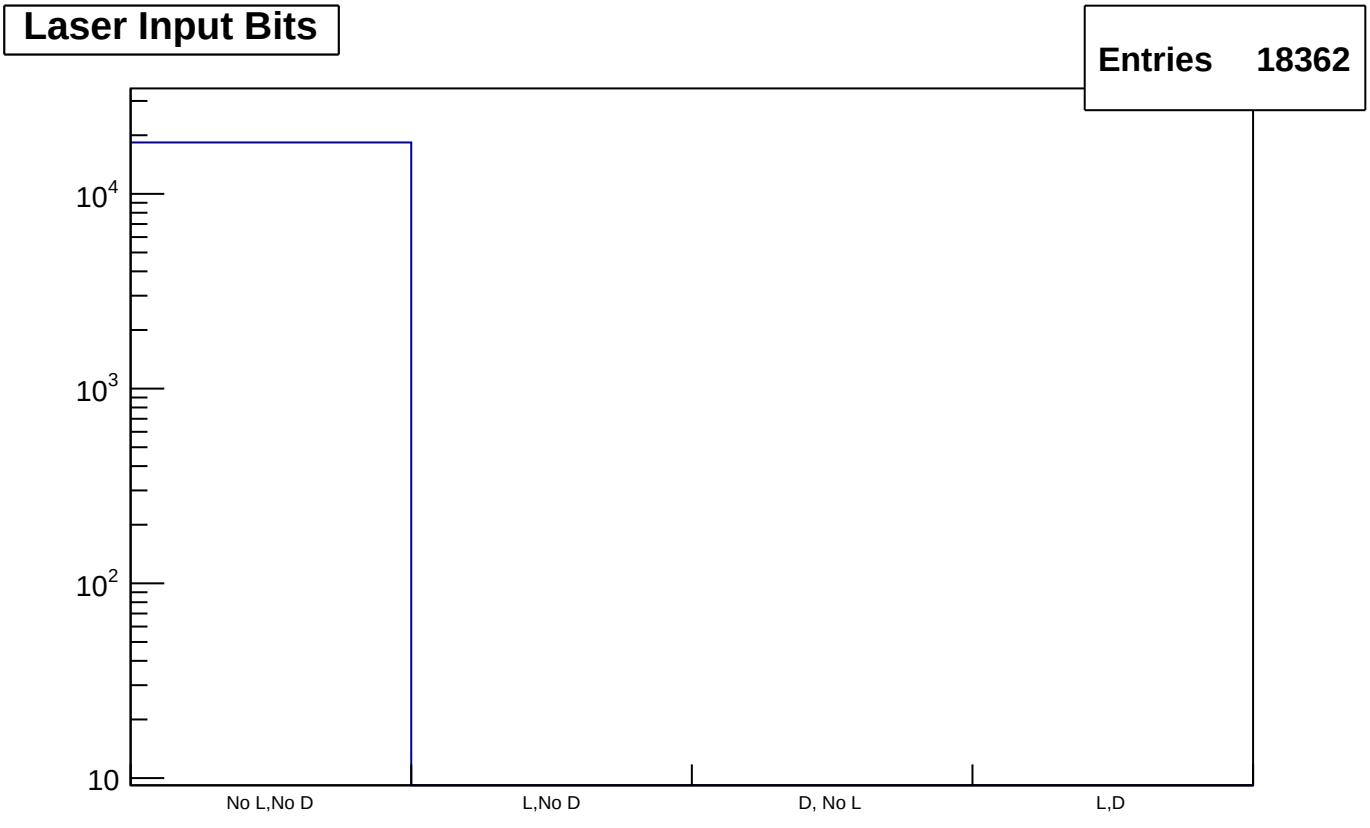

Entries 18362
TOF-Mult
VPD-West ADC Sum

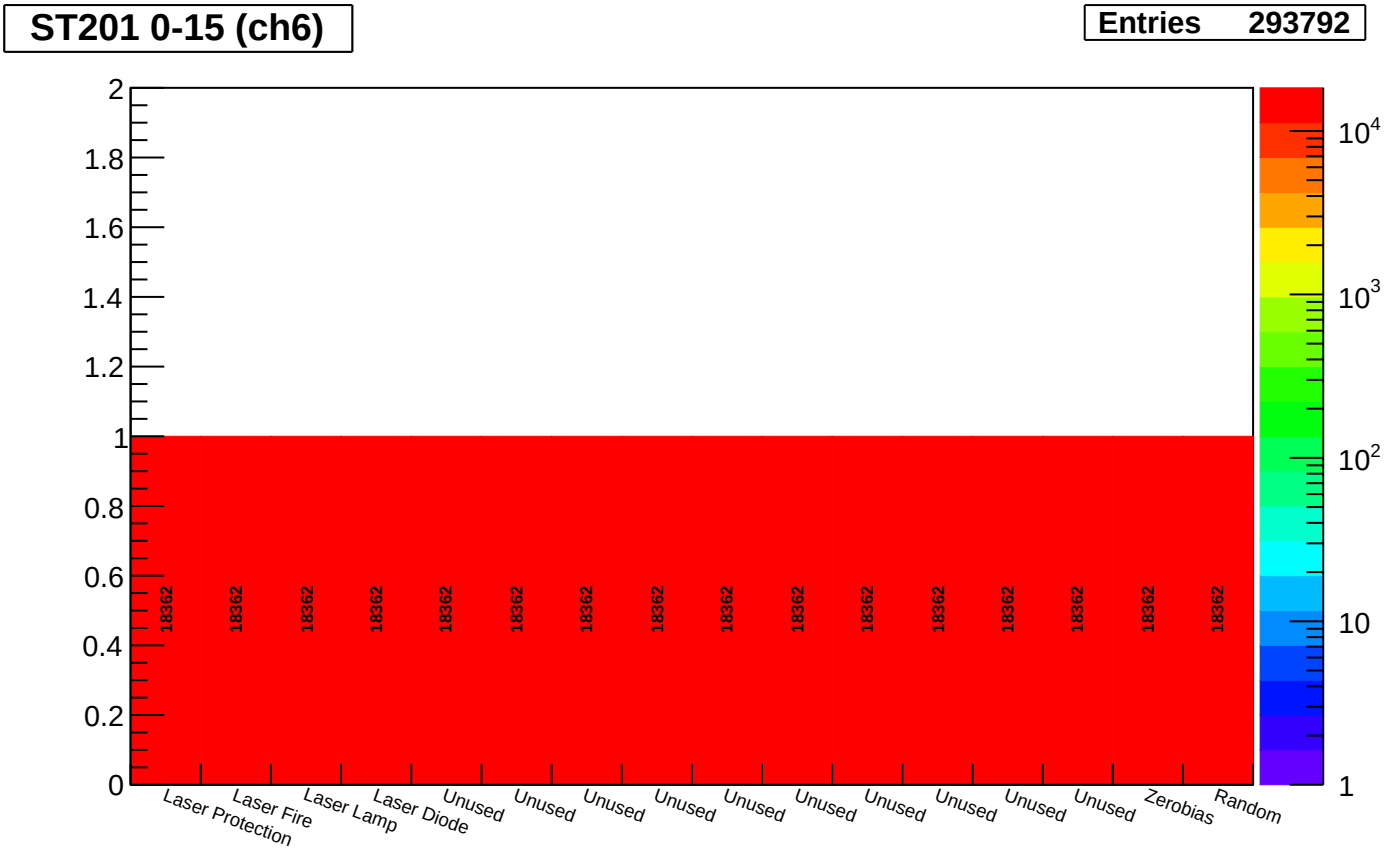

Entries 18362
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

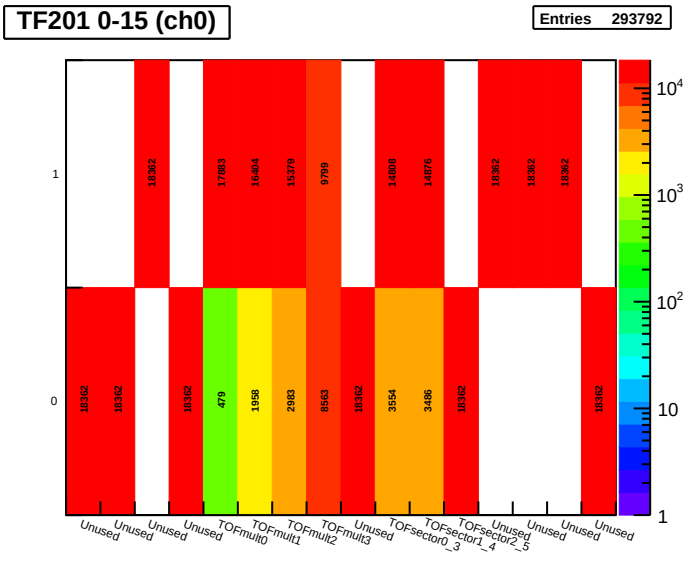

Entries 18362
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

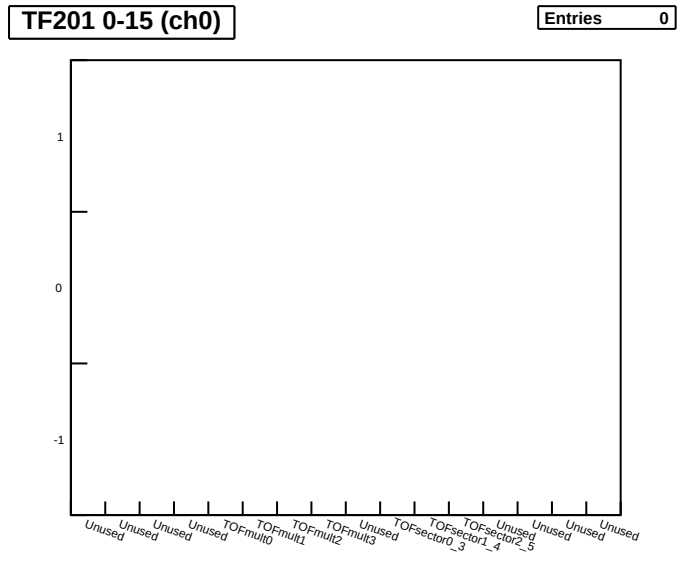

Entries 18362
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

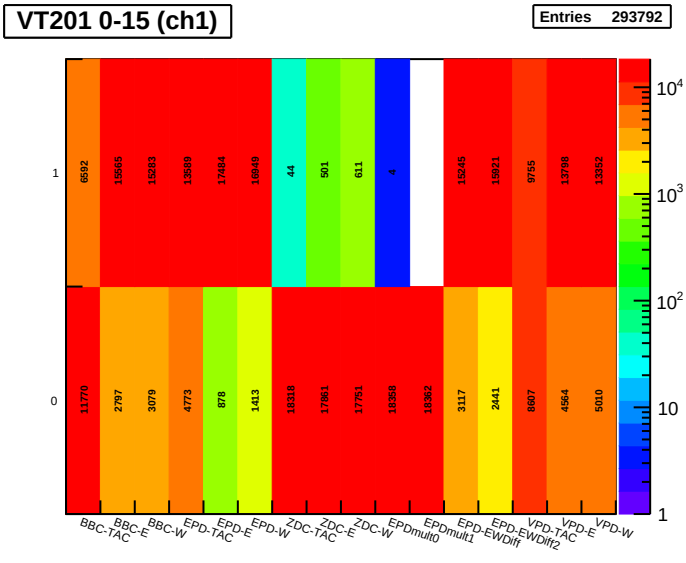

Entries 18362
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

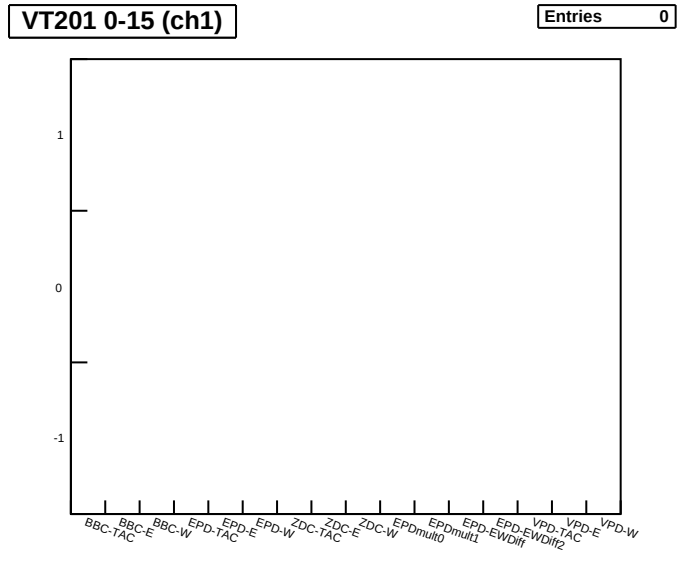

Laser Input Bits
Entries 18362
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

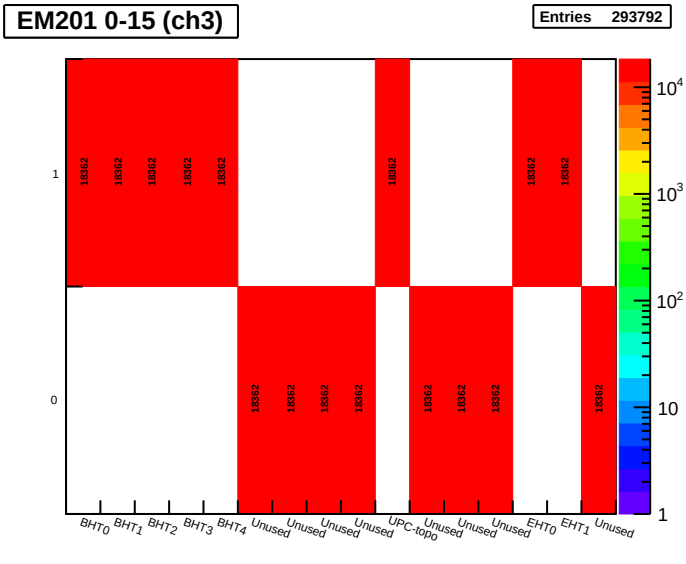

ST201 0-15 (ch6)
Entries 293792
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
18362
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

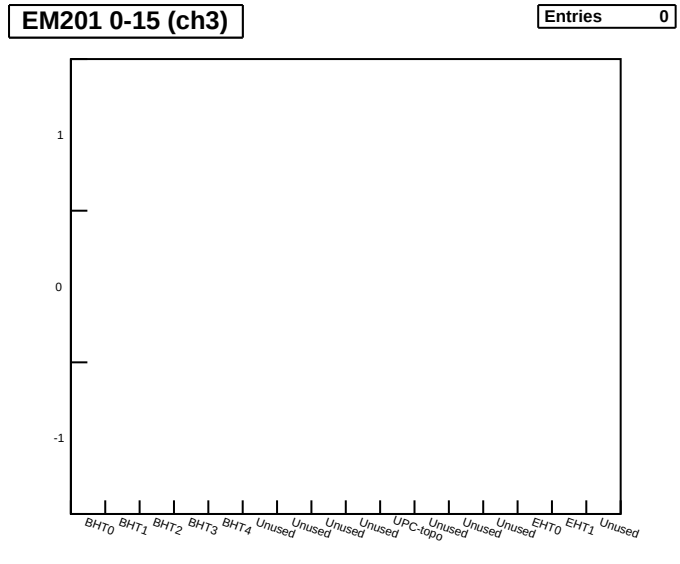

TF201 0-15 (ch0)
Entries 293792
1
0
18362 17883 16404 15379 9799 14898 14876 18362 18362 18362
18362 18362 18362 479 1958 2983 8563 18362 3554 3486 18362 18362
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 293792
1
0
6592 15565 15283 15589 17484 16949 44 501 611 4 15245 15921 9755 13798 13352
11770 2797 3079 4773 878 1413 18318 17861 17751 18358 18362 3117 2441 8607 4564 5010
BBC-TAC BBC-E BBC-W EPD-TAC EPD-E EPD-W ZDC-TAC ZDC-E ZDC-W EPDmult0 EPDmult1 EPD-EWDiff EPD-EWDiff2 VPD-TAC VPD-E VPD-W
10^4
10^3
10^2
10
1


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


EM201 0-15 (ch3)
Entries 293792
1
0
18362 18362 18362 18362 18362 18362 18362 18362
18362 18362 18362 18362 18362 18362 18362 18362
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
10^4
10^3
10^2
10
1


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