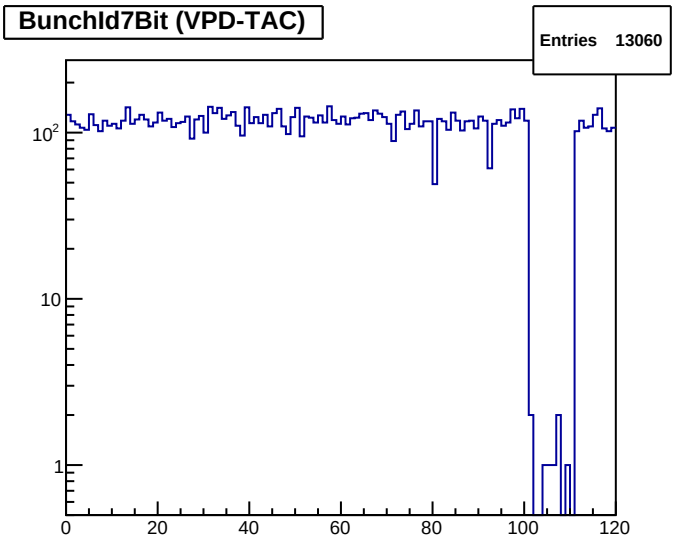
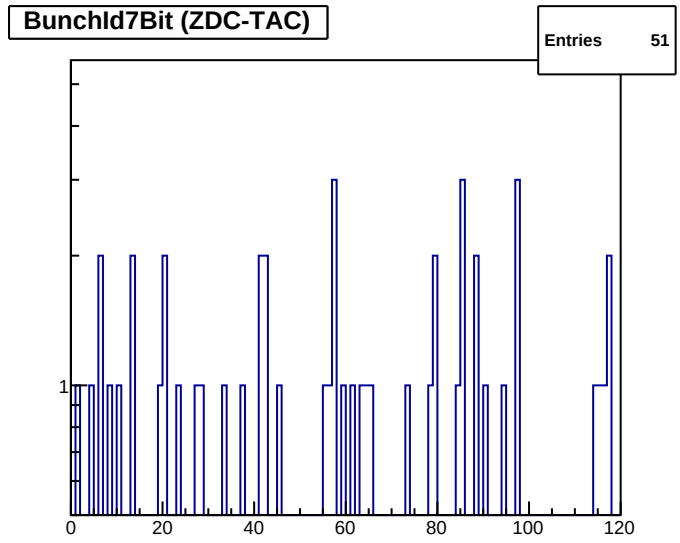
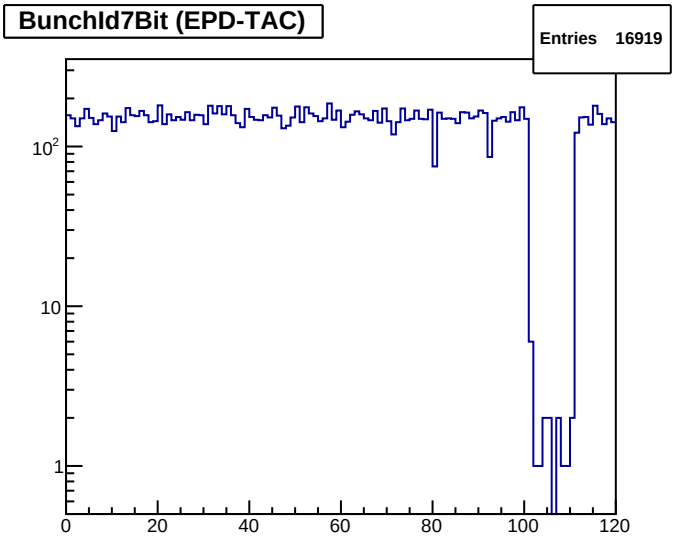
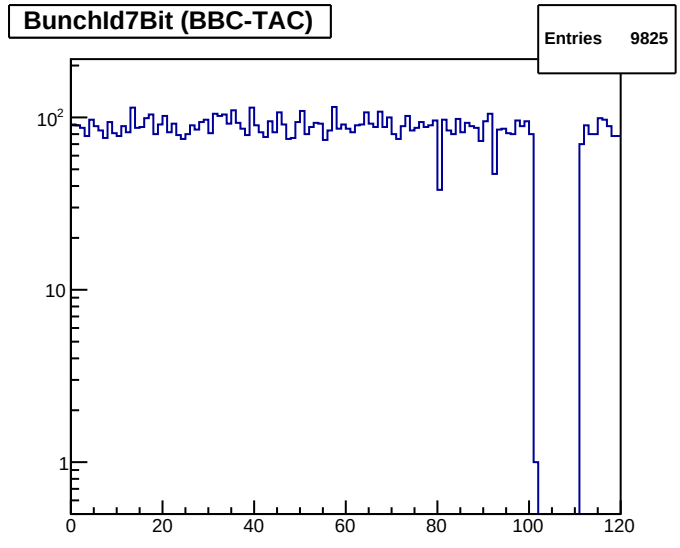
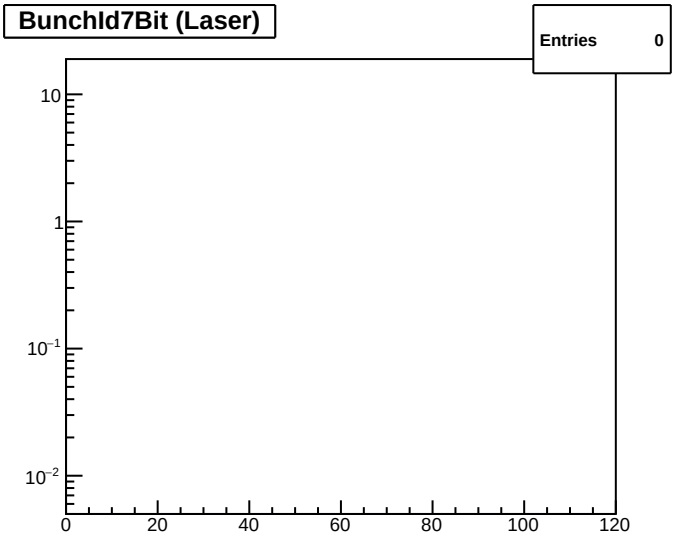
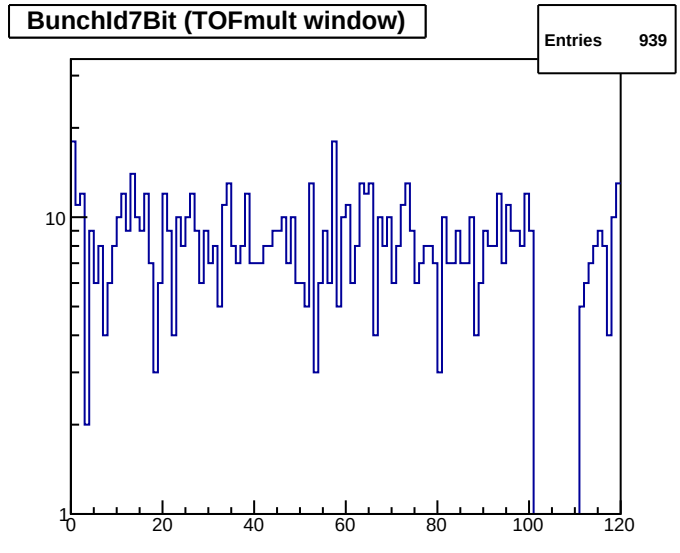

BunchId7Bit (VPD-TAC)
Entries 13060
10^2
10
1
0
20
40
60
80
100
120

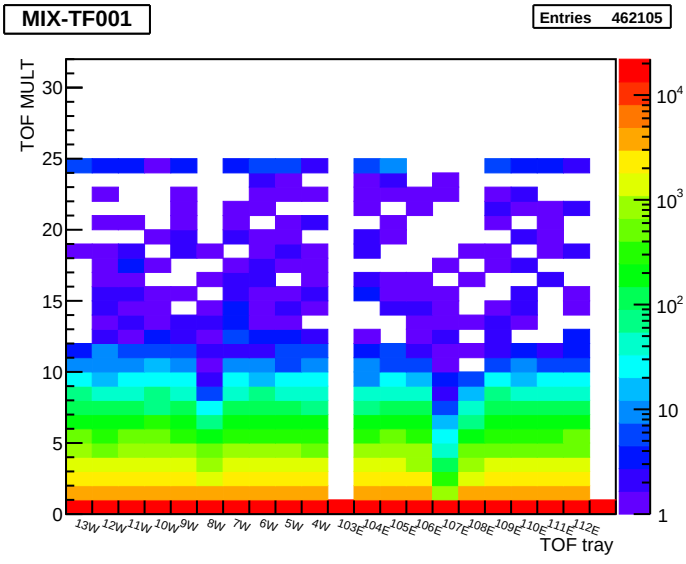

BunchId7Bit (ZDC-TAC)
Entries 51
1
0
20
40
60
80
100
120

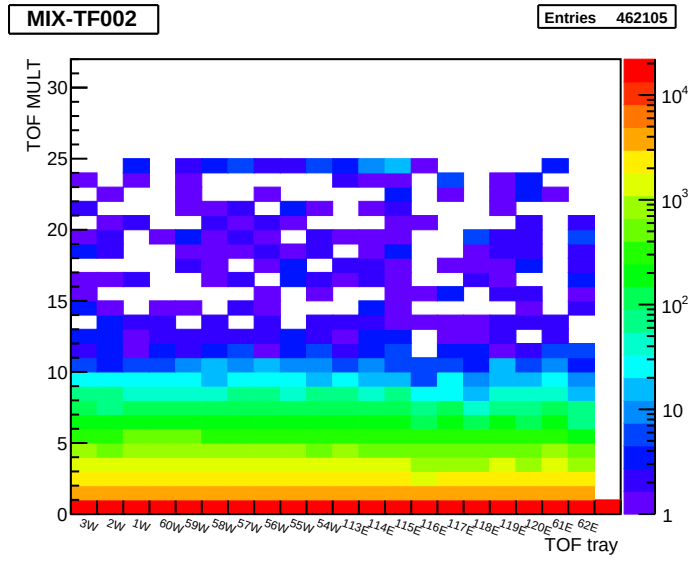

BunchId7Bit (EPD-TAC)
Entries 16919
10^2
10
1
0
20
40
60
80
100
120

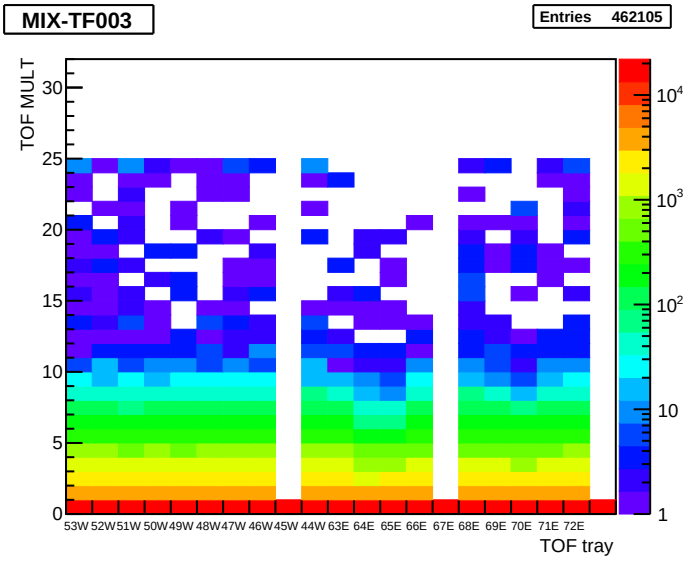

BunchId7Bit (BBC-TAC)
Entries 9825
10^2
10
1
0
20
40
60
80
100
120

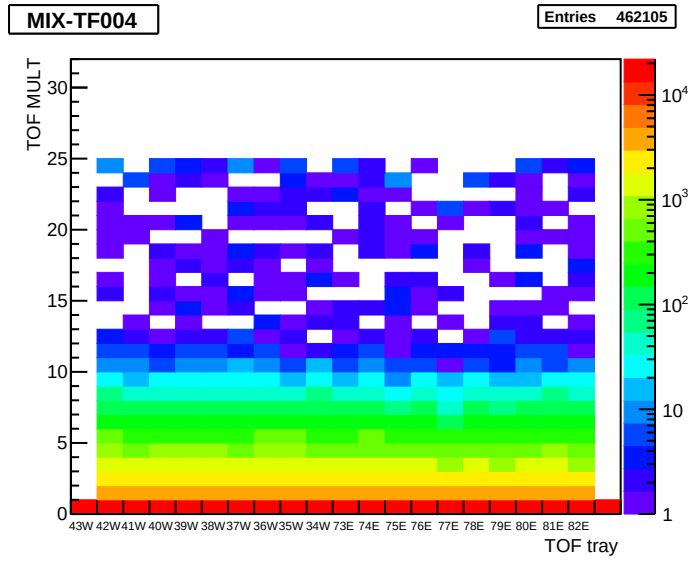

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

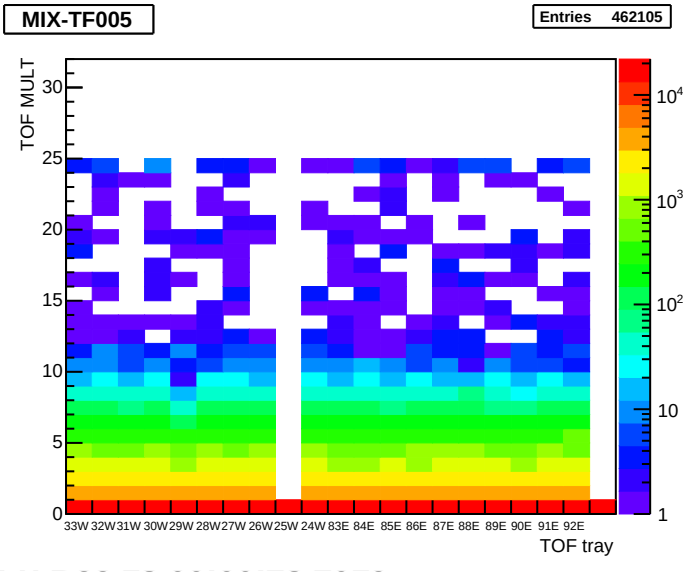

BunchId7Bit (TOFmult window)
Entries 939
10
1
0
20
40
60
80
100
120

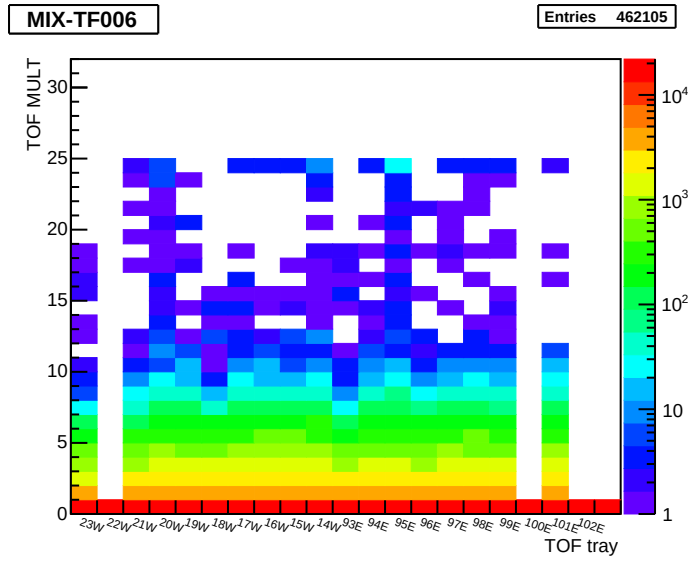

MIX-TF001
Entries 462105
TOF MULT
TOF tray

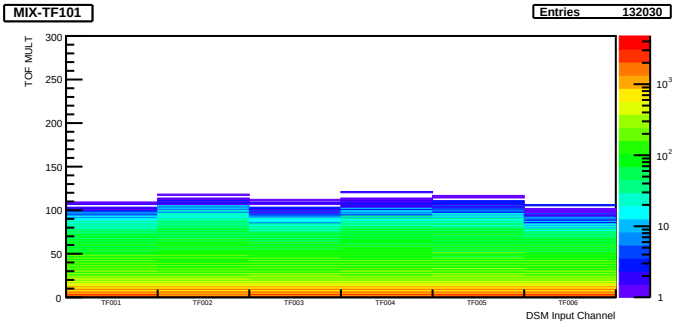

MIX-TF002
Entries 462105
TOF MULT
TOF tray

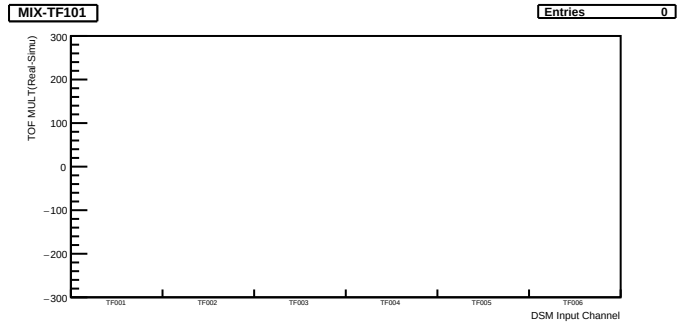

MIX-TF003
Entries 462105
TOF MULT
TOF tray

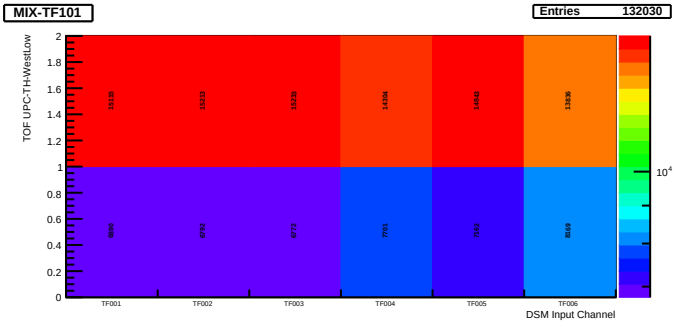

MIX-TF004
Entries 462105
TOF MULT
TOF tray

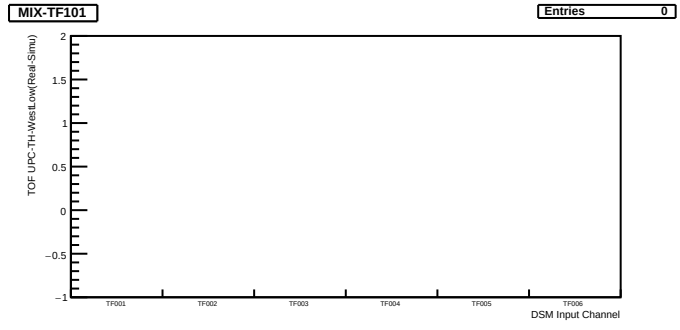

MIX-TF005
Entries 462105
TOF MULT
TOF tray

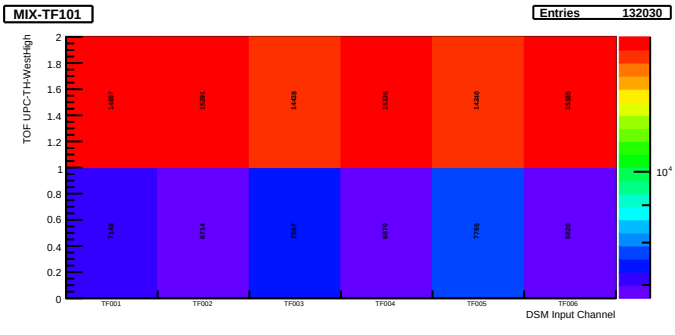

MIX-TF006
Entries 462105
TOF MULT
TOF tray

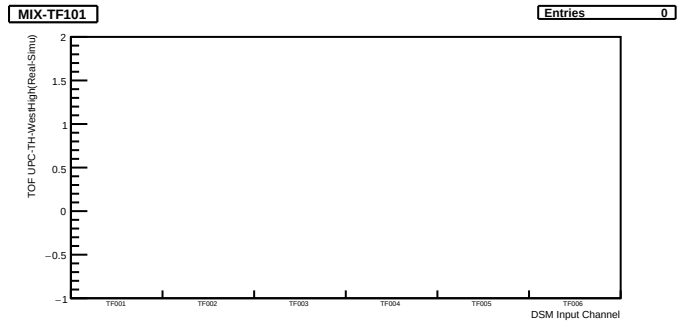

MIX-TF101
Entries 132030
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

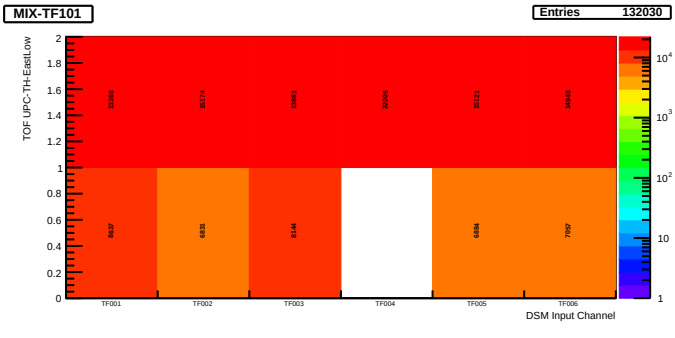

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

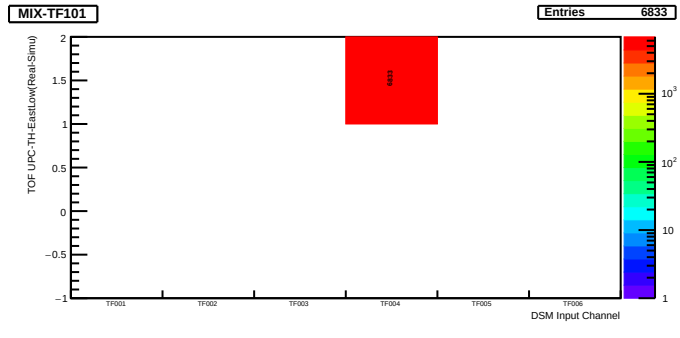

MIX-TF101
Entries 132030
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

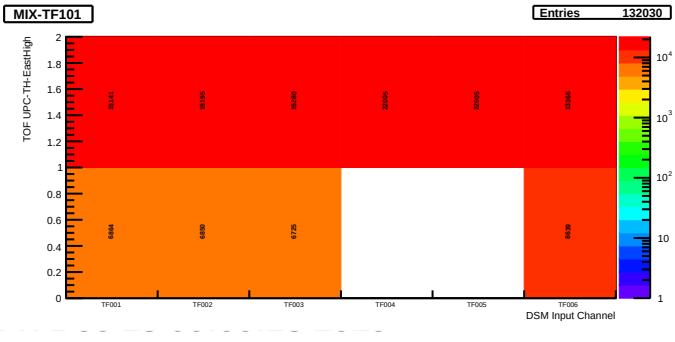

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

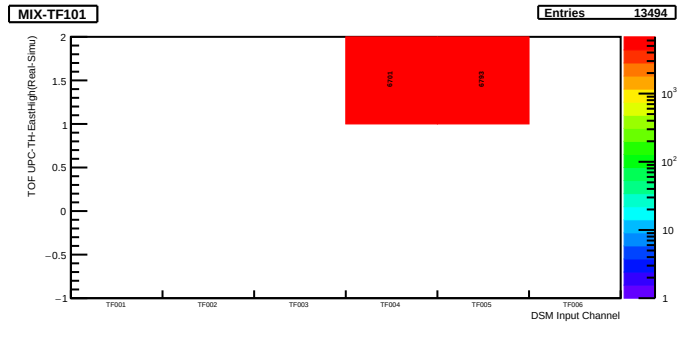

MIX-TF101
Entries 132030
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

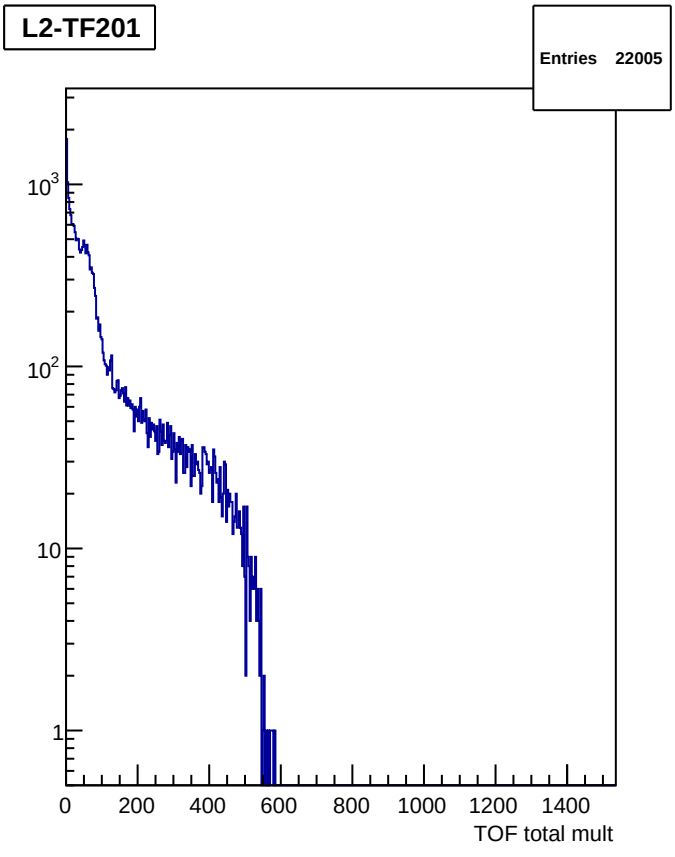

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

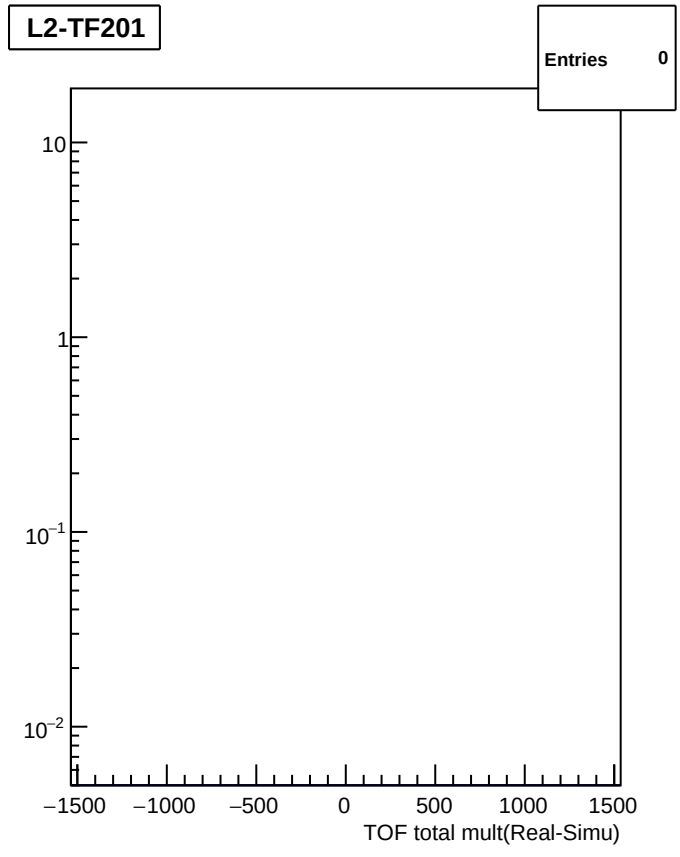

MIX-TF101
Entries 132030
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

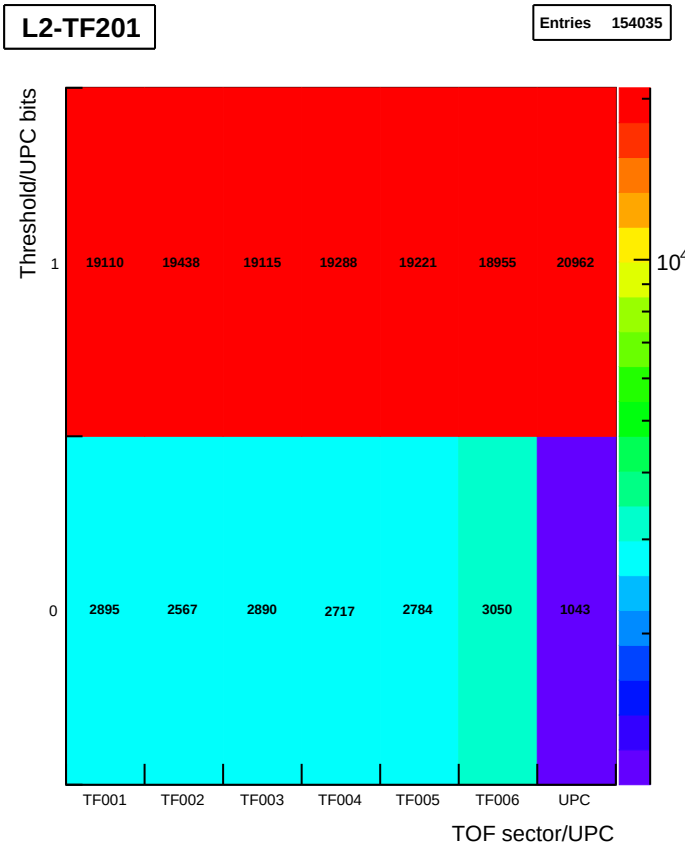

MIX-TF101
Entries 6833
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

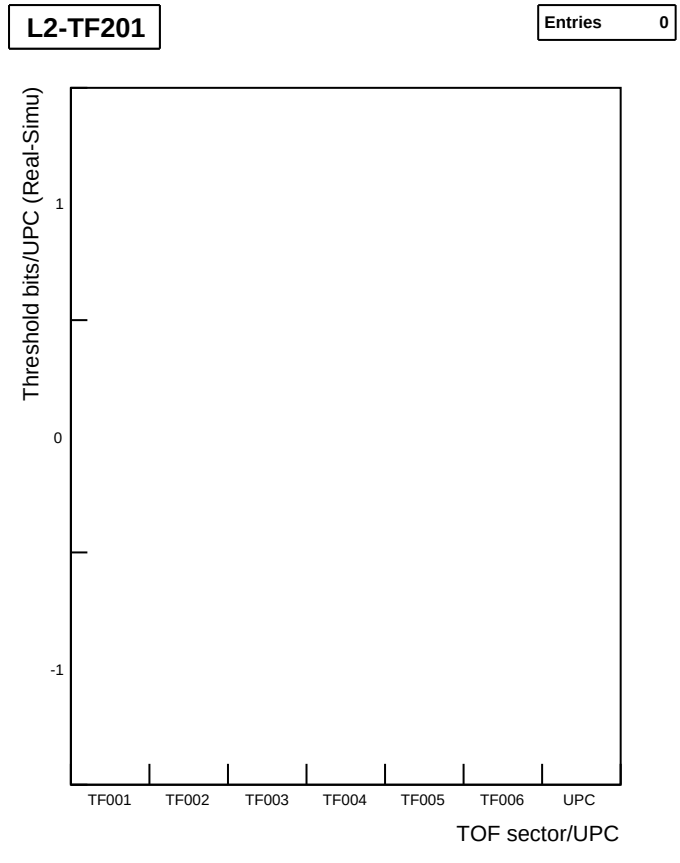

MIX-TF101
Entries 132030
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

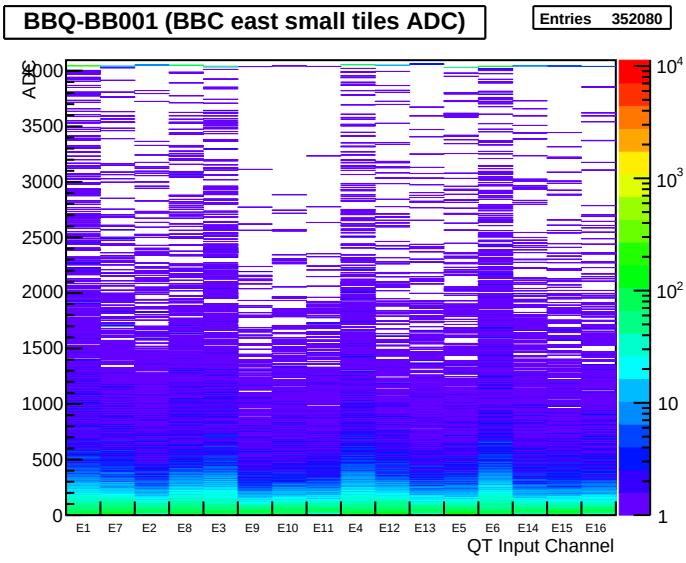

MIX-TF101
Entries 13494
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

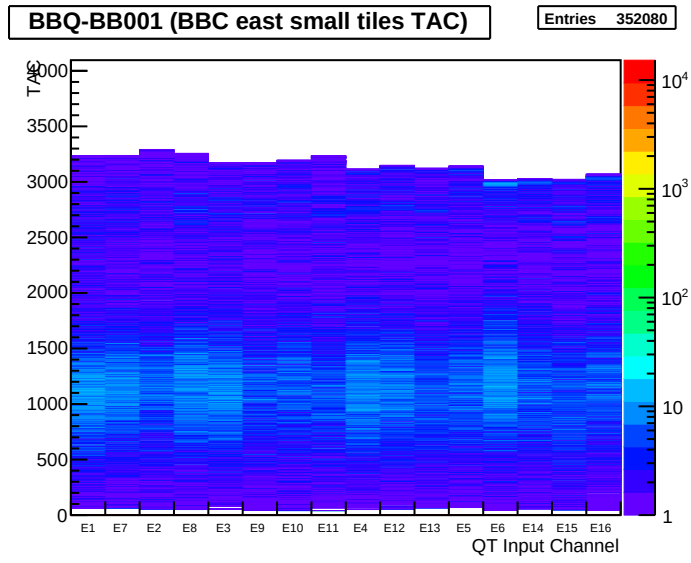

L2-TF201
Entries 22005
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

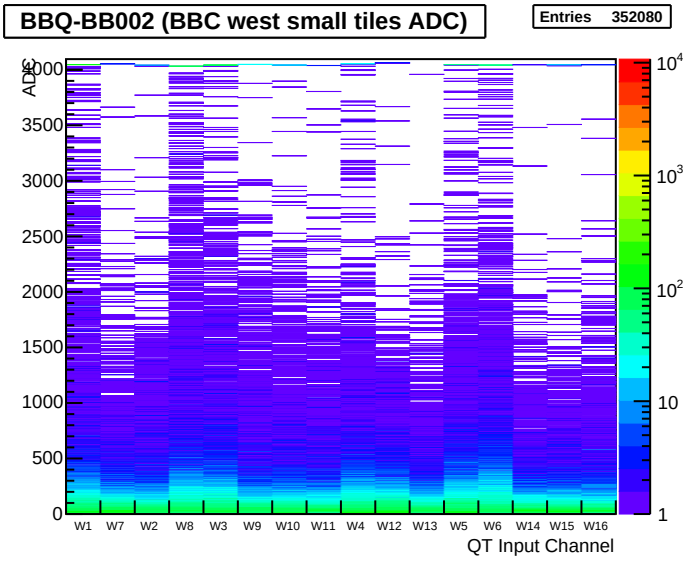

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

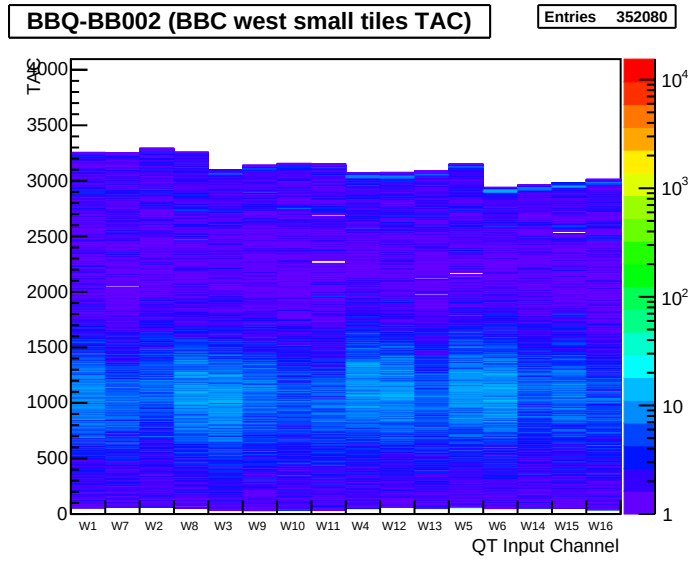

L2-TF201
Entries 154035
Threshold/UPC bits
1
0
19110
19438
19115
19288
19221
18955
20962
2895
2567
2890
2717
2784
3050
1043
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

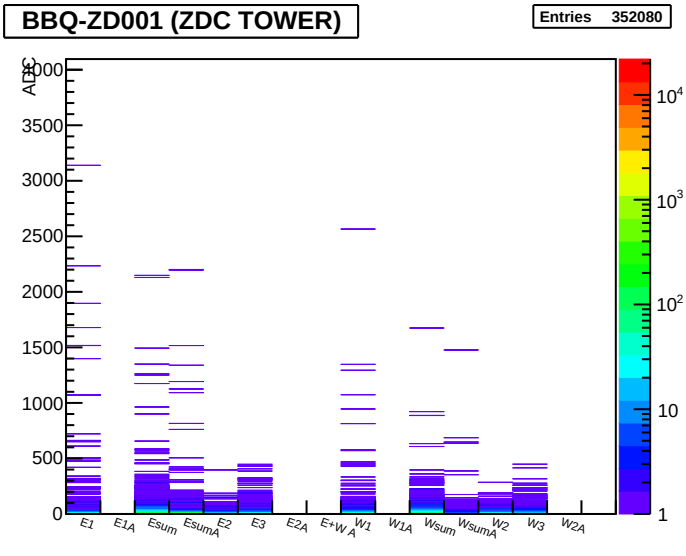

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

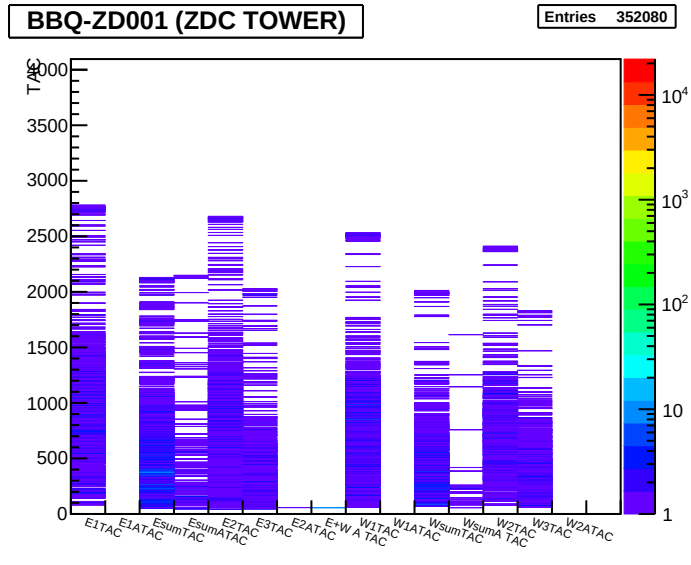

BBQ-BB001 (BBC east small tiles ADC)
Entries 352080
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

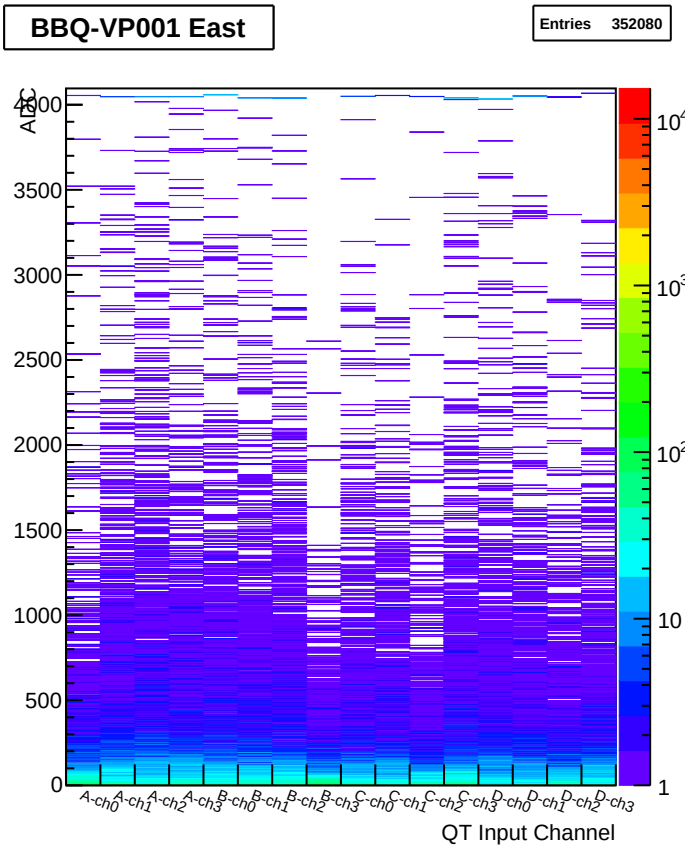

BBQ-BB001 (BBC east small tiles TAC)
Entries 352080
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

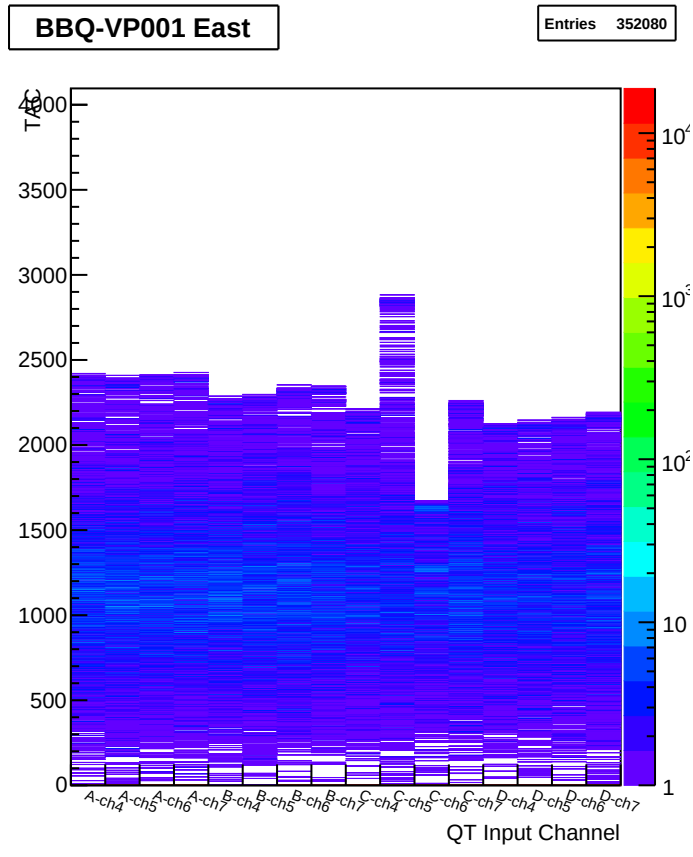

BBQ-BB002 (BBC west small tiles ADC)
Entries 352080
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

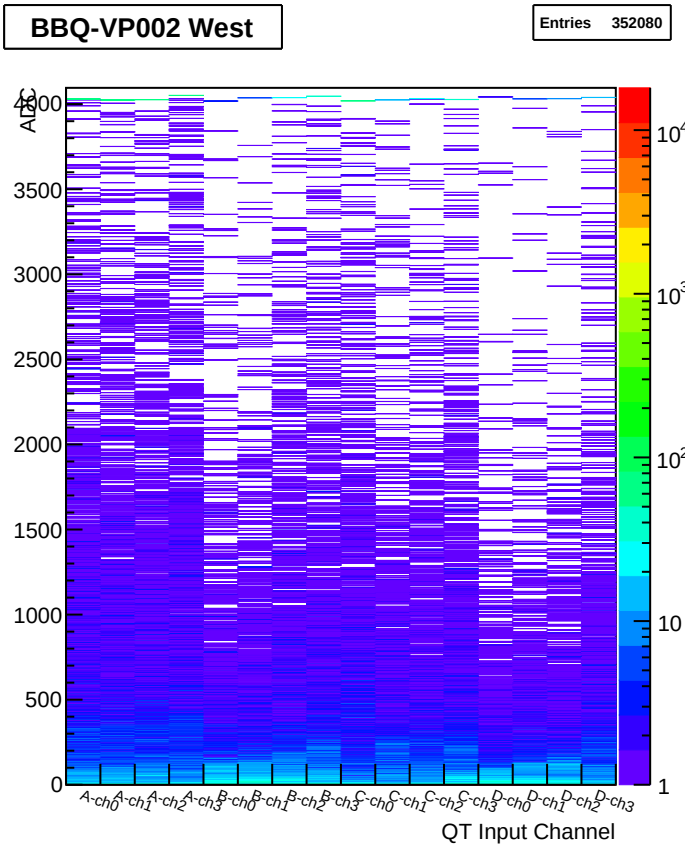

BBQ-BB002 (BBC west small tiles TAC)
Entries 352080
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

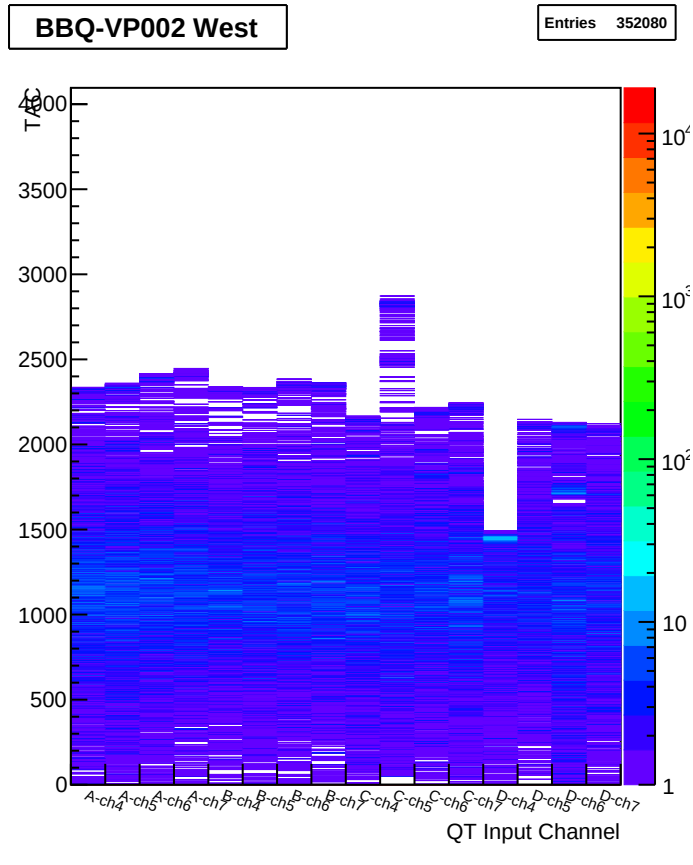

BBQ-ZD001 (ZDC TOWER)
Entries 352080
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

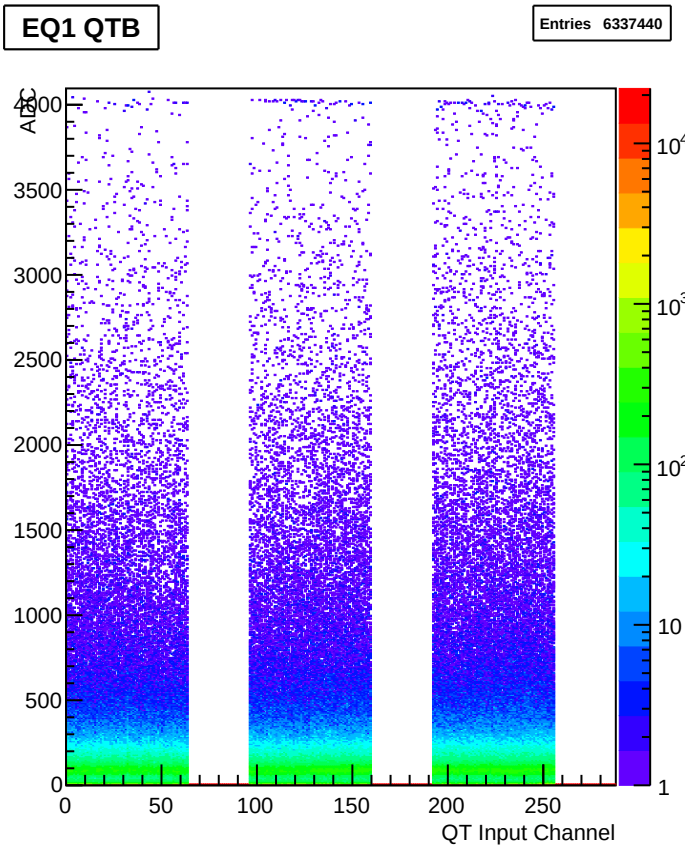

BBQ-ZD001 (ZDC TOWER)
Entries 352080
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

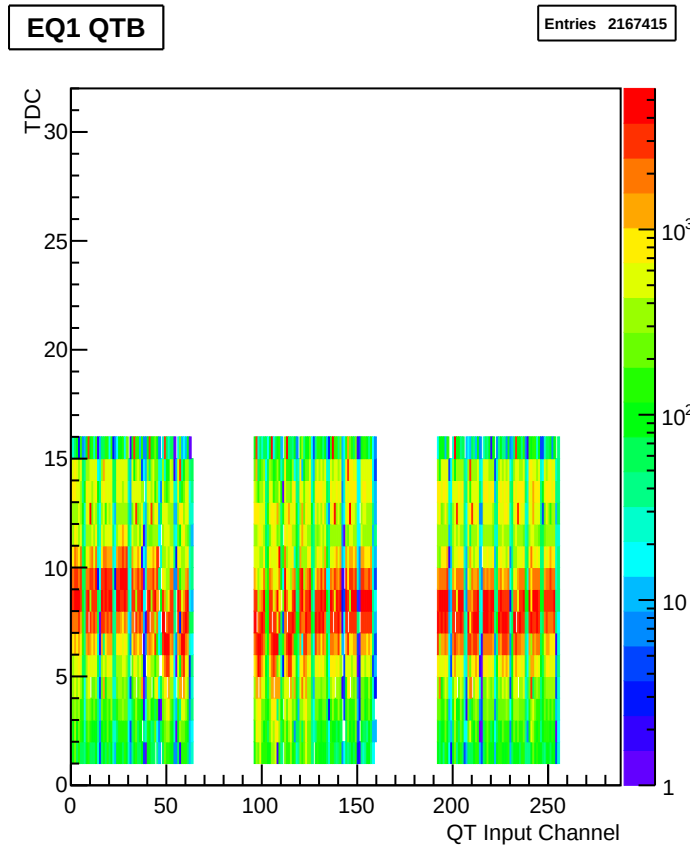

BBQ-VP001 East
Entries 352080
ADC
QT Input Channel

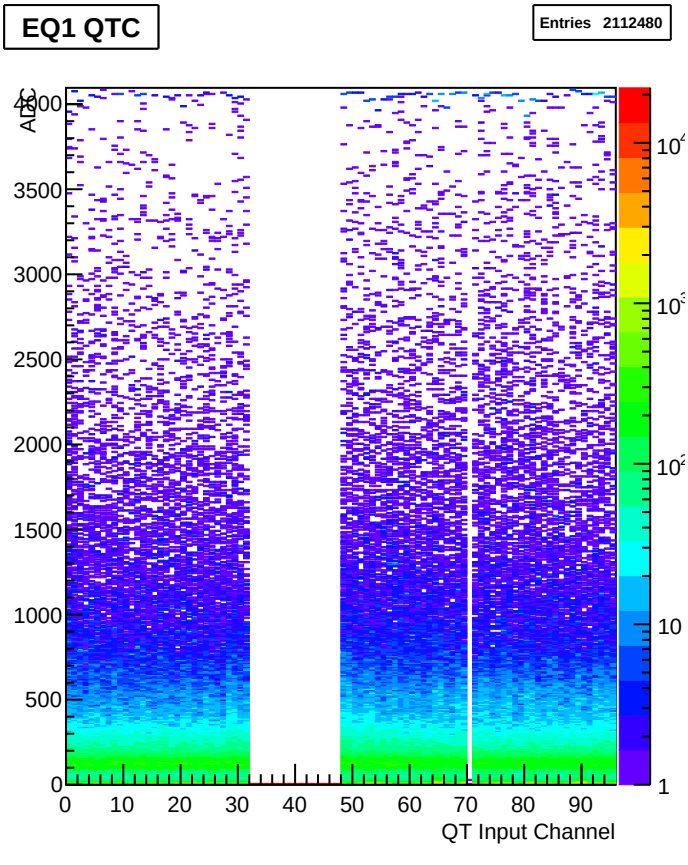

BBQ-VP001 East
Entries 352080
TADC
QT Input Channel

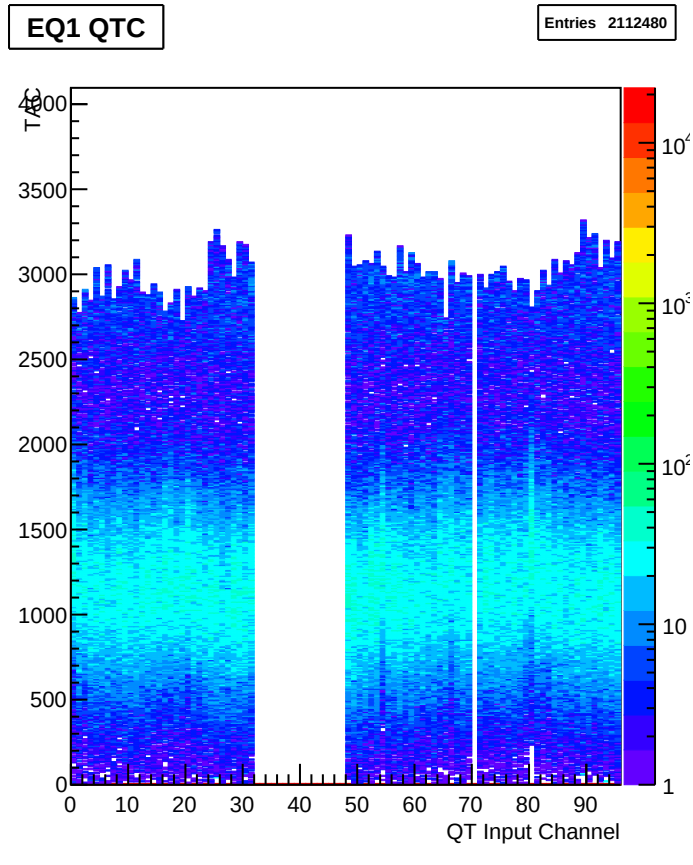

BBQ-VP002 West
Entries 352080
ADC
QT Input Channel

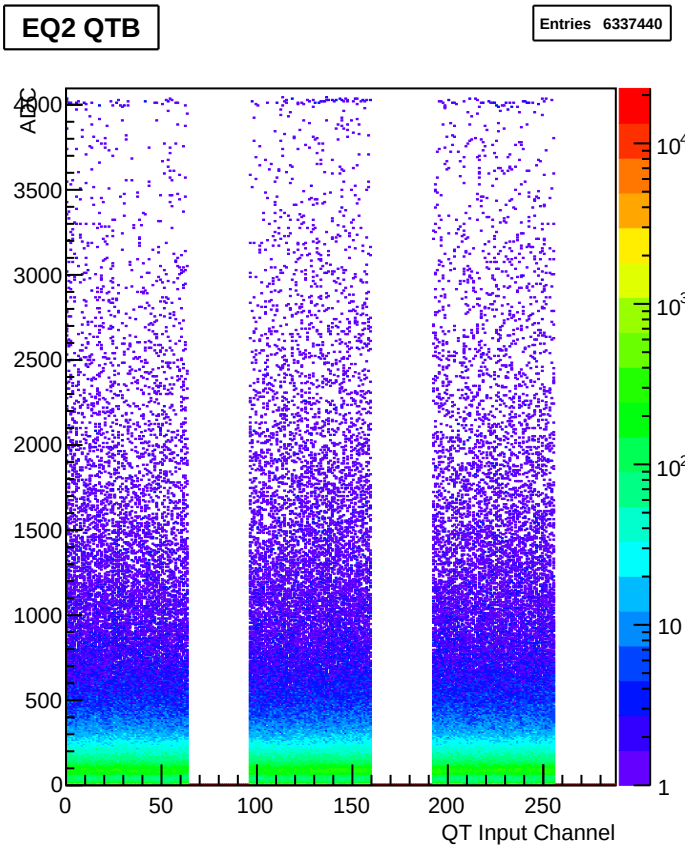

BBQ-VP002 West
Entries 352080
TADC
QT Input Channel

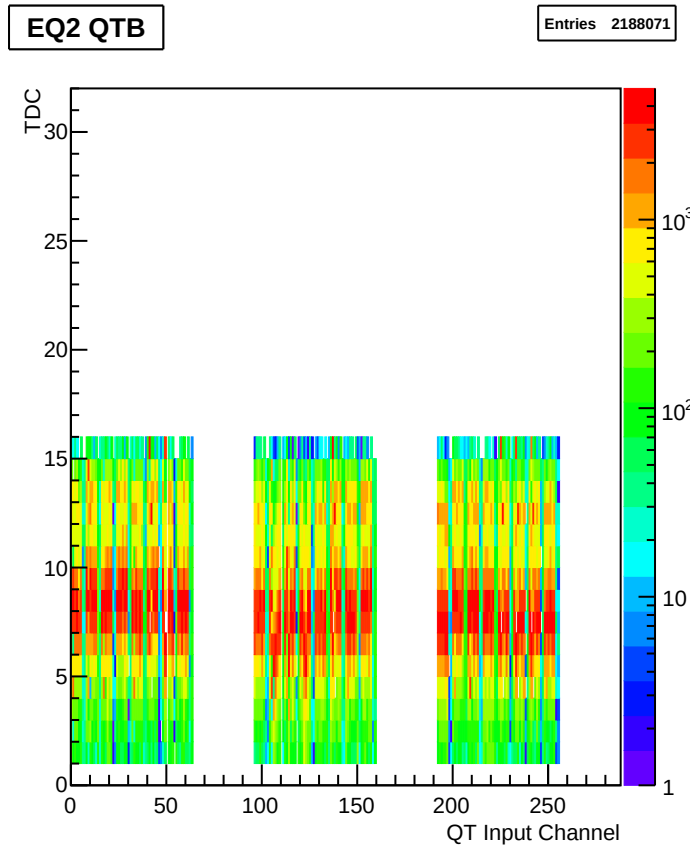

EQ1 QTB
Entries 6337440
ADC
QT Input Channel

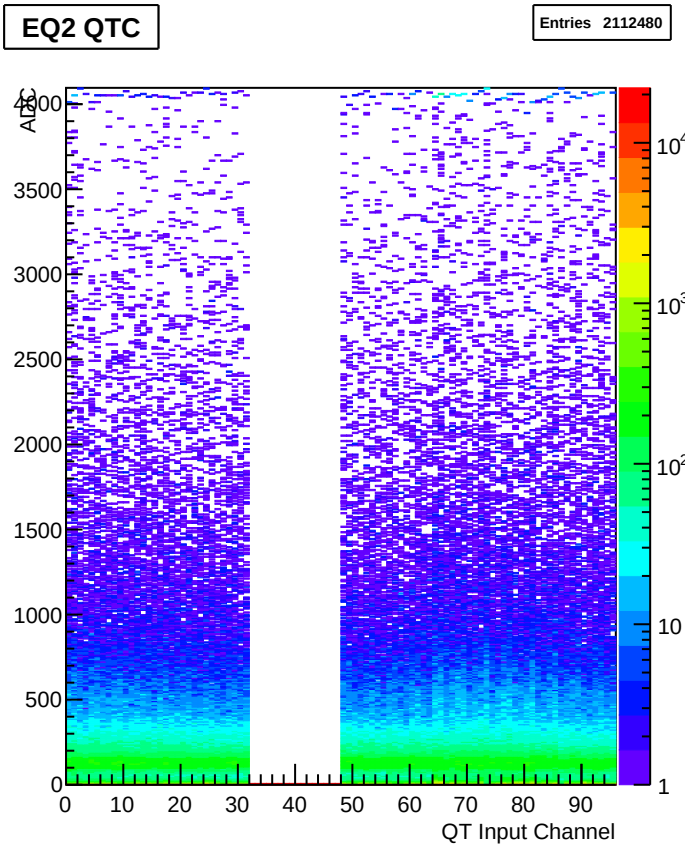

EQ1 QTB
Entries 2167415
TDC
QT Input Channel

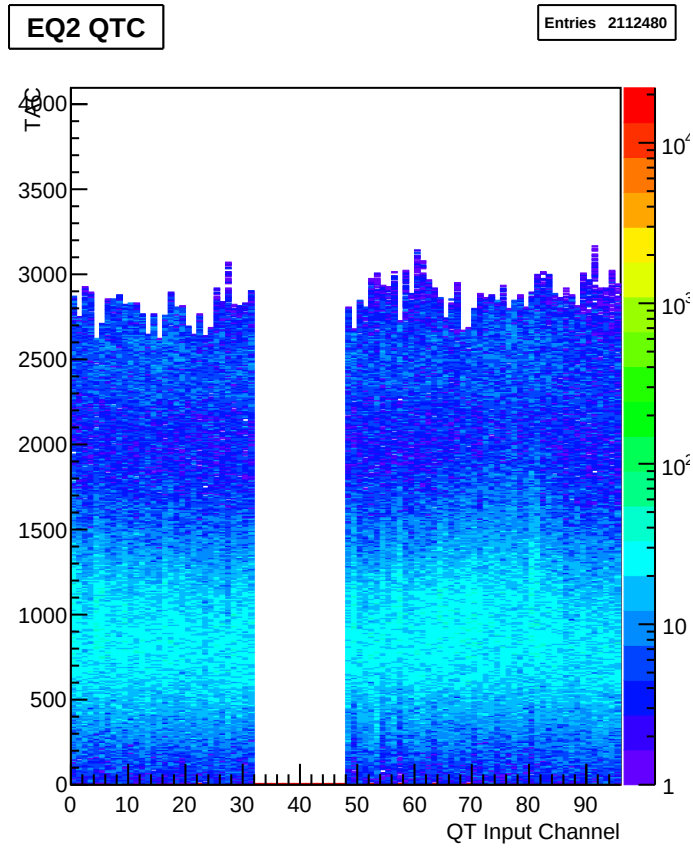

EQ1 QTC
Entries 2112480
ADC
QT Input Channel

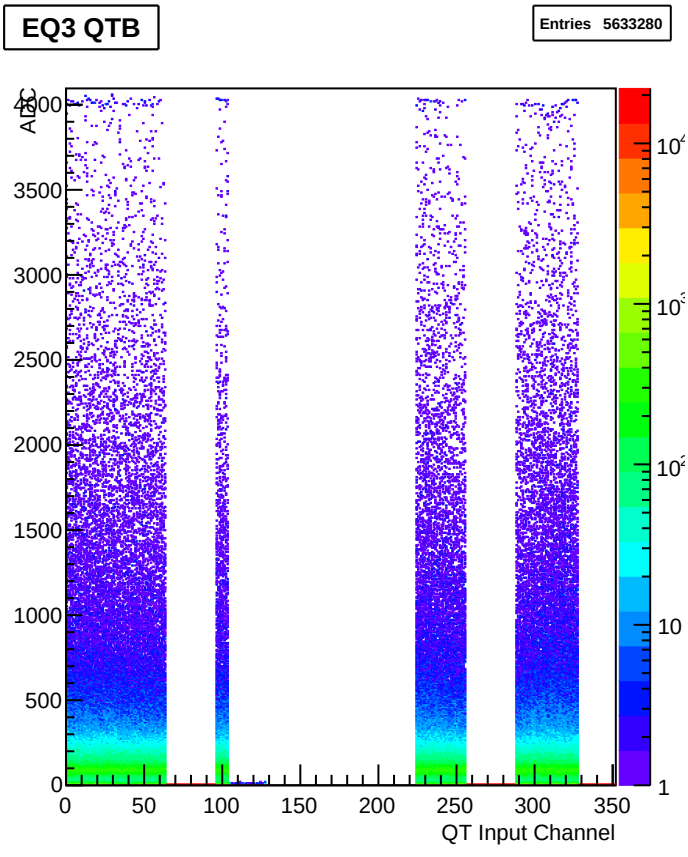

EQ1 QTC
Entries 2112480
TADC
QT Input Channel

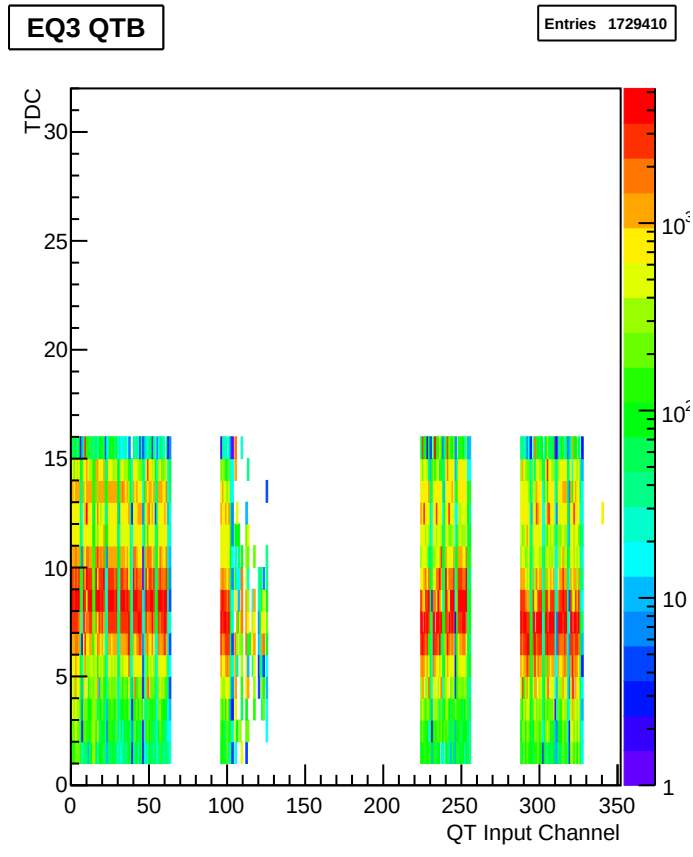

EQ2 QTB
Entries 6337440
ADC
QT Input Channel

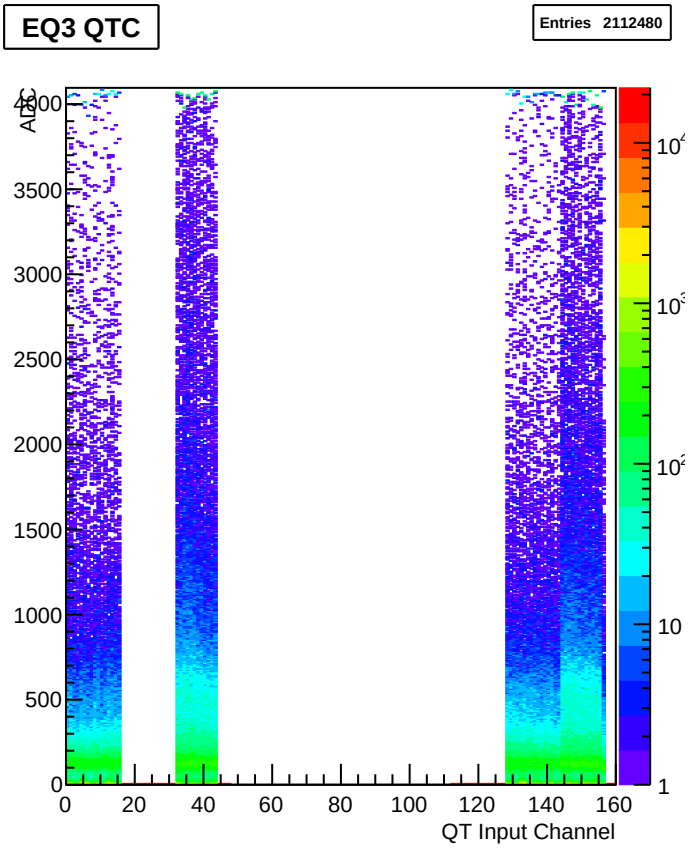

EQ2 QTB
Entries 2188071
TDC
QT Input Channel

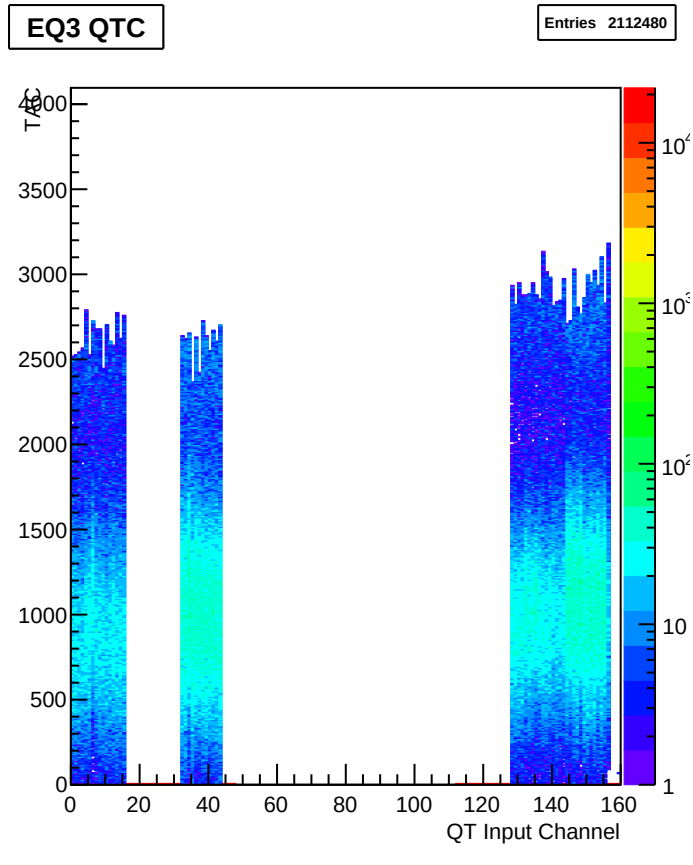

EQ2 QTC
Entries 2112480
ADC
QT Input Channel

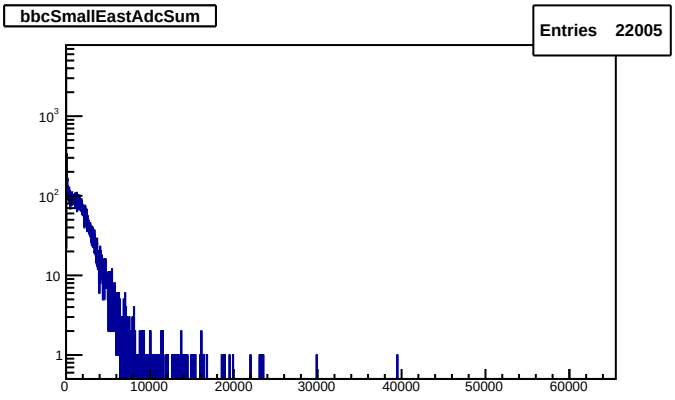

EQ2 QTC
Entries 2112480
TADC
QT Input Channel

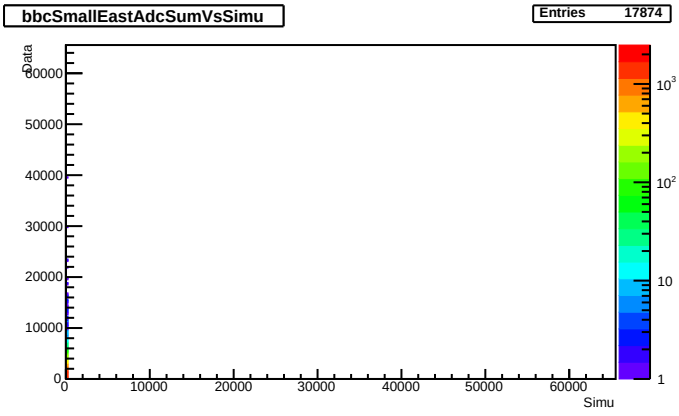

EQ3 QTB
Entries 5633280
ADC
QT Input Channel

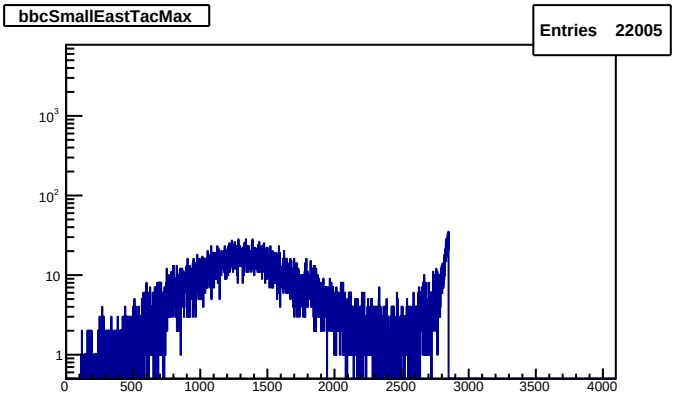

EQ3 QTB
Entries 1729410
TDC
QT Input Channel

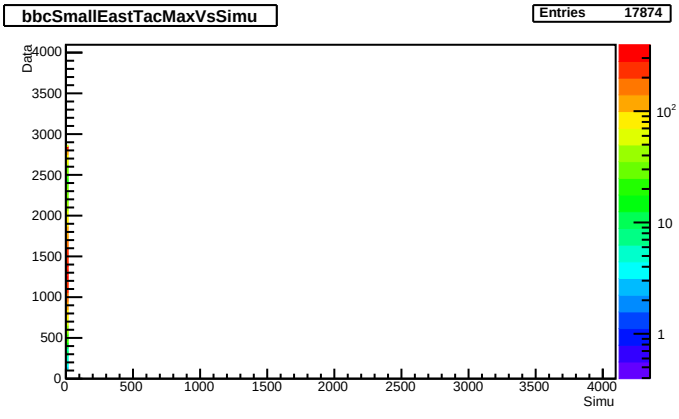

EQ3 QTC
Entries 2112480
ADC
QT Input Channel

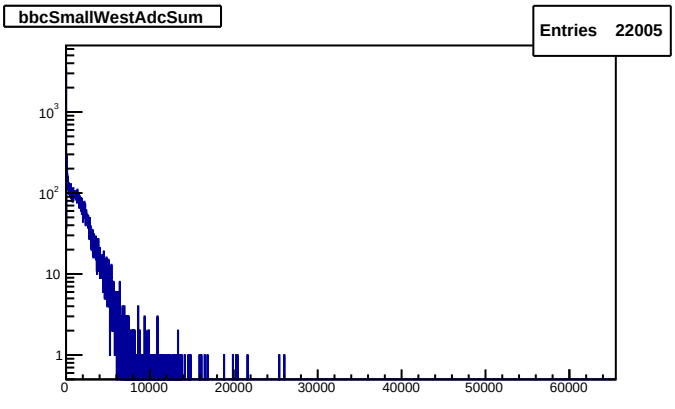

EQ3 QTC
Entries 2112480
TADC
QT Input Channel

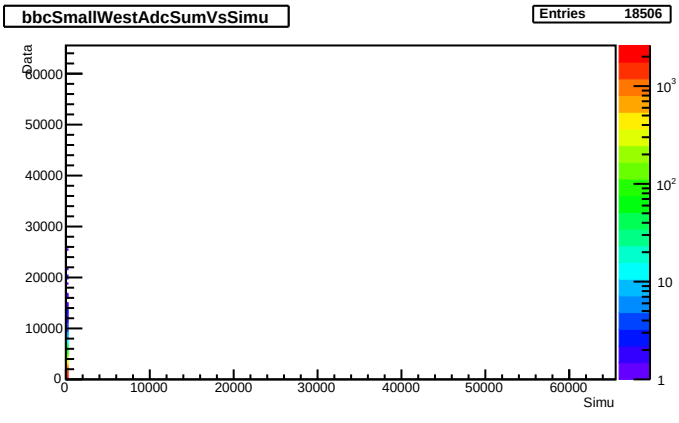

bbcSmallEastAdcSum
Entries 22005

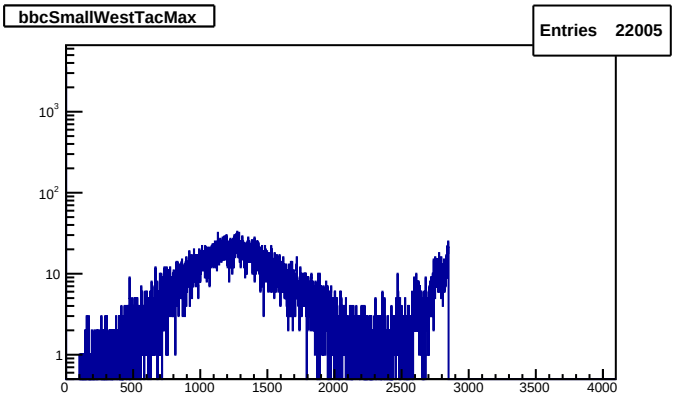

bbcSmallEastAdcSumVsSimu
Entries 17874
Data
Simu

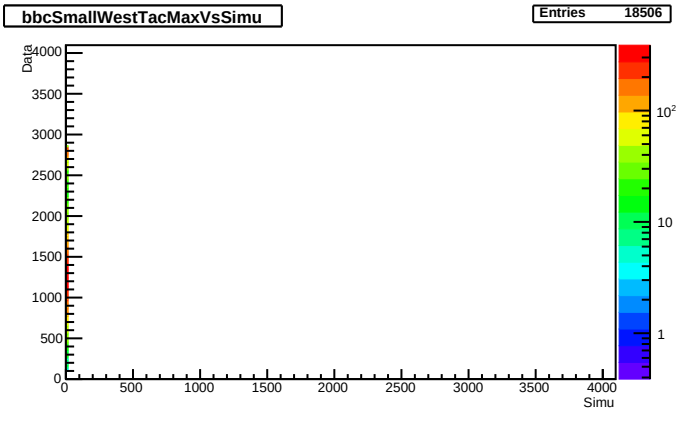

bbcSmallEastTacMax
Entries 22005

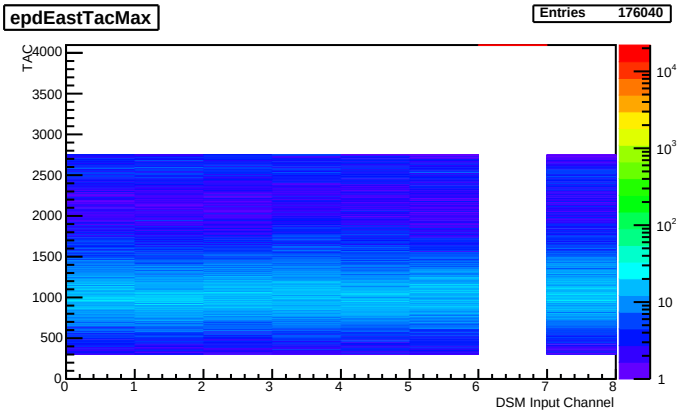

bbcSmallEastTacMaxVsSimu
Entries 17874
Data
Simu

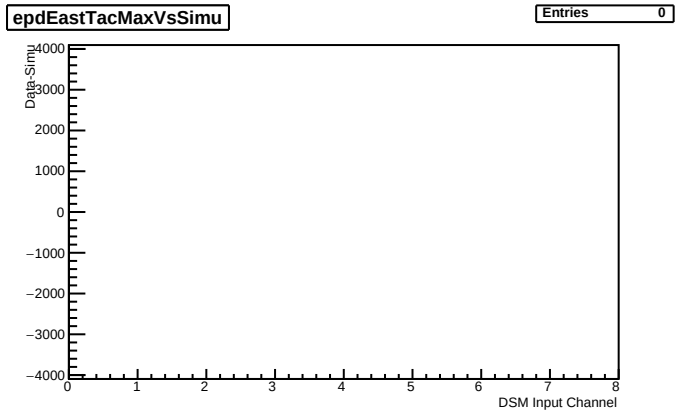

bbcSmallWestAdcSum
Entries 22005

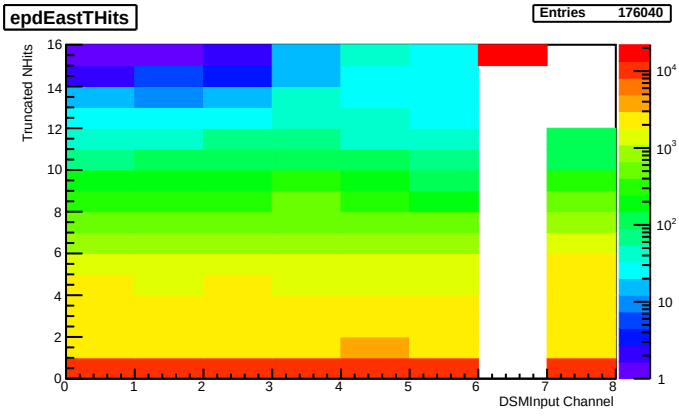

bbcSmallWestAdcSumVsSimu
Entries 18506
Data
Simu

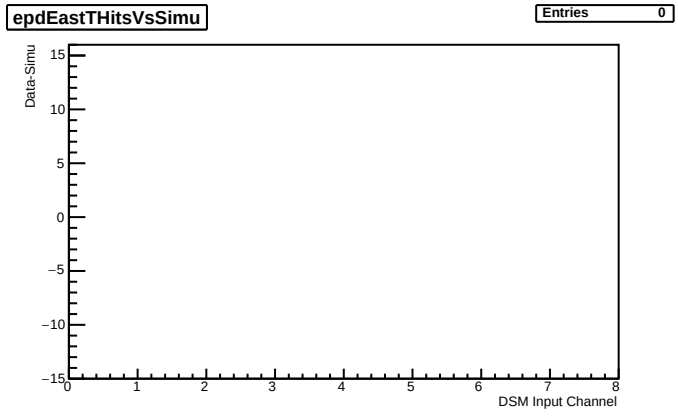

bbcSmallWestTacMax
Entries 22005

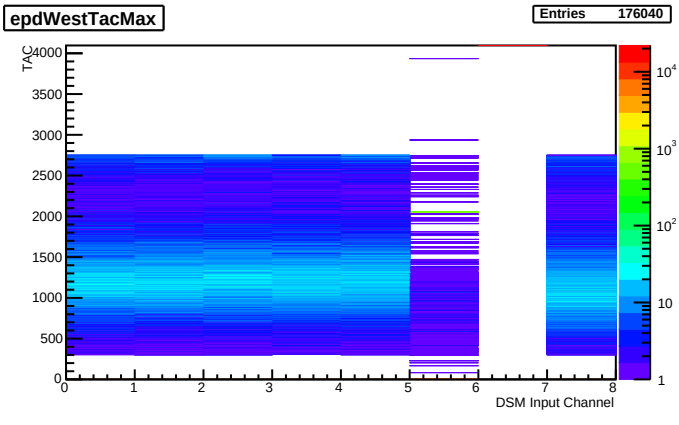

bbcSmallWestTacMaxVsSimu
Entries 18506
Data
Simu

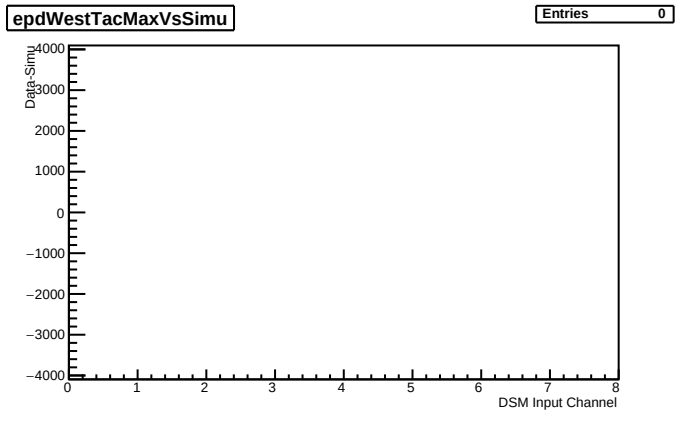

epdEastTacMax
Entries 176040
TAC
DSM Input Channel

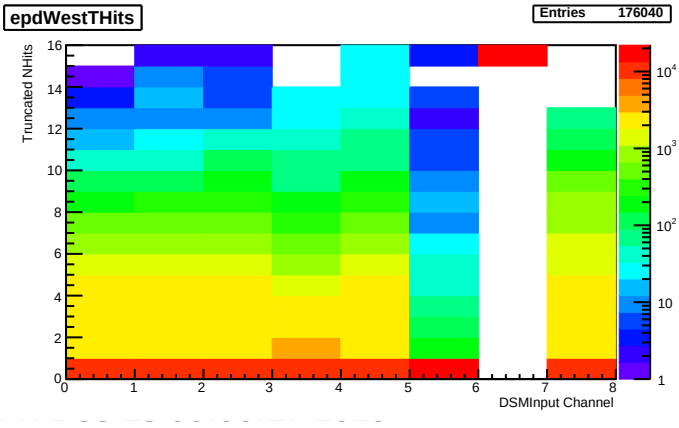

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

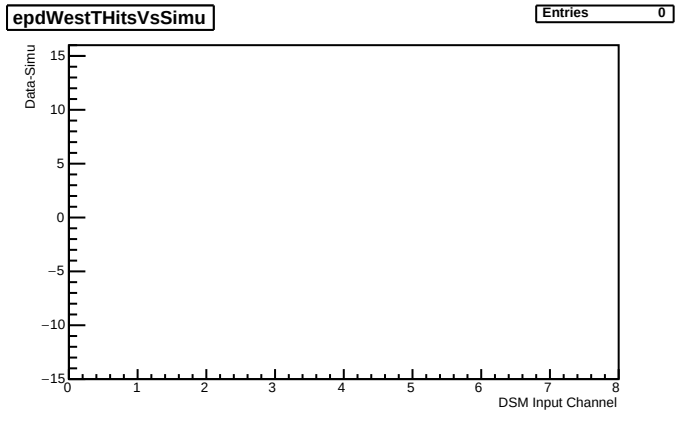

epdEastTHits
Entries 176040
Truncated NHits
DSMInput Channel

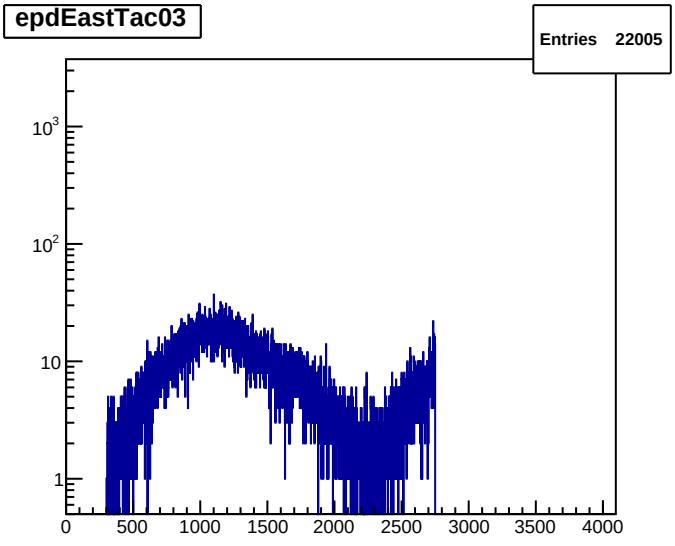

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

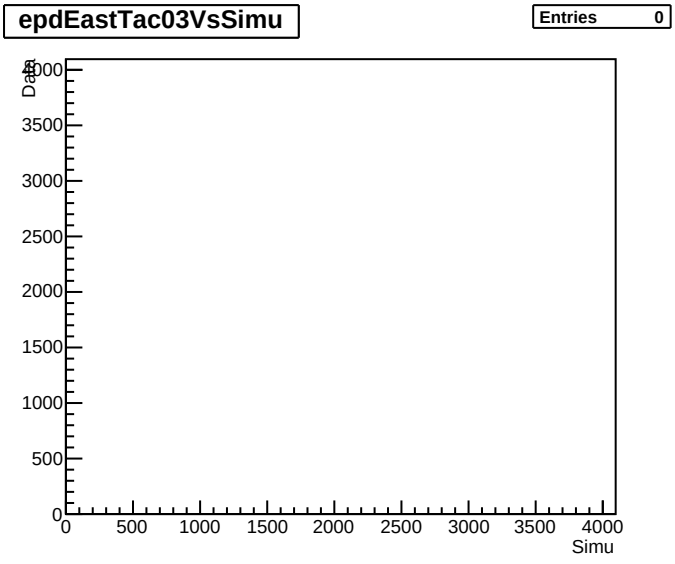

epdWestTacMax
Entries 176040
TAC
DSM Input Channel

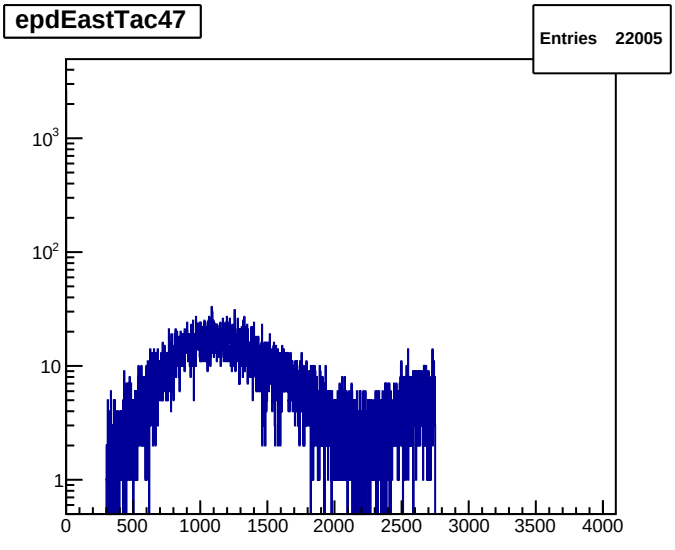

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

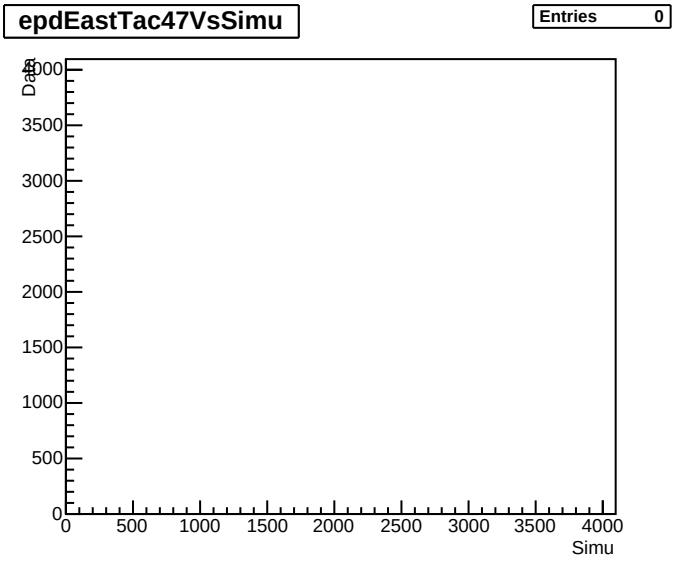

epdWestTHits
Entries 176040
Truncated NHits
DSMInput Channel

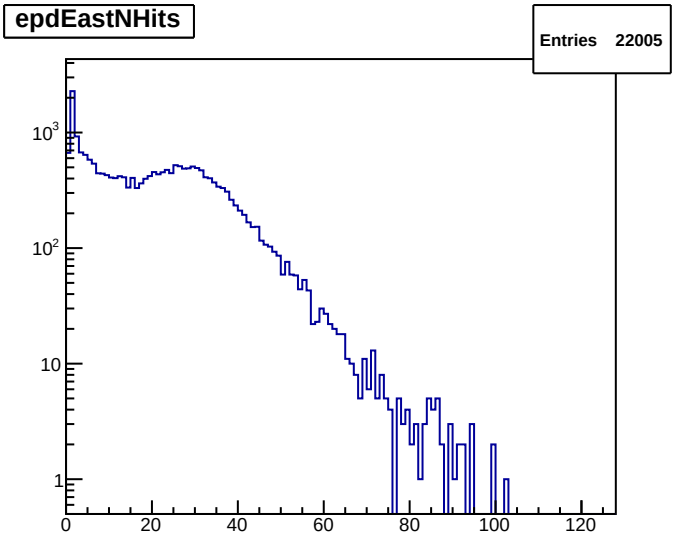

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

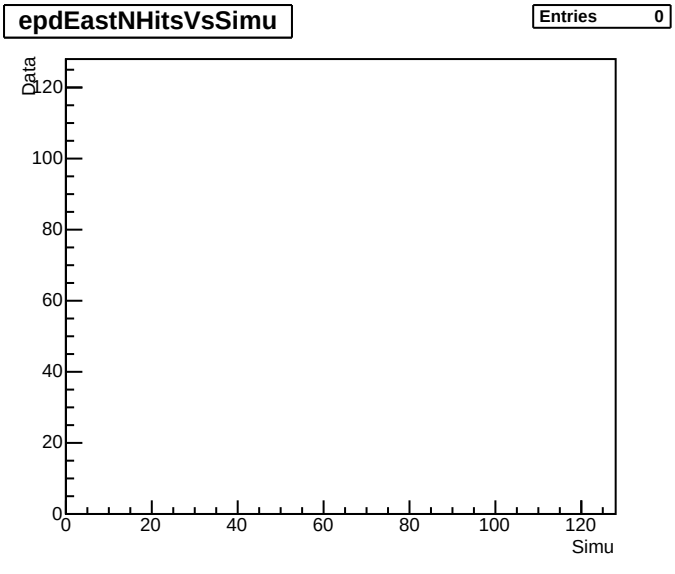

epdEastTac03
Entries 22005

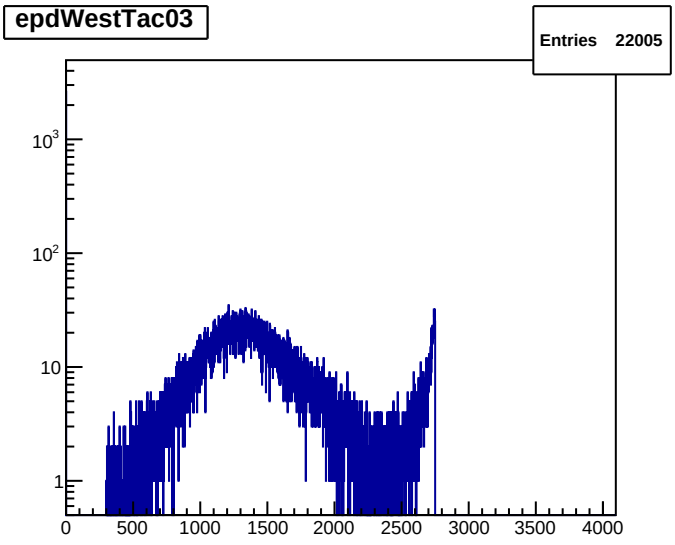

epdEastTac03VsSimu
Entries 0
Data
Simu

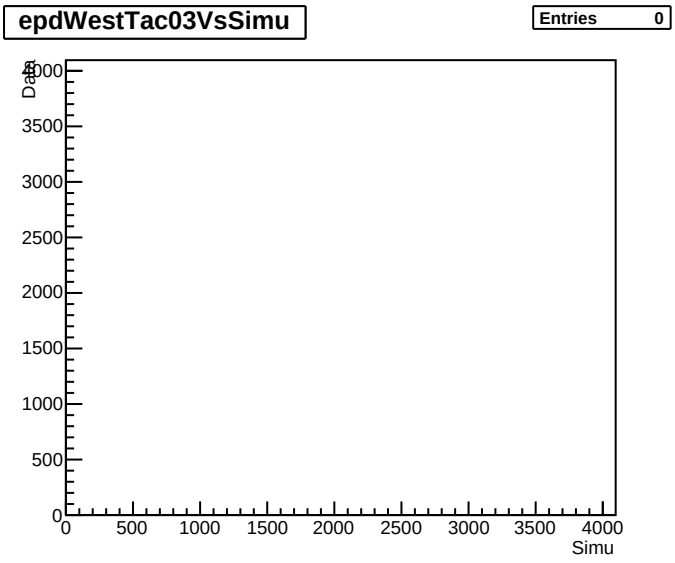

epdEastTac47
Entries 22005

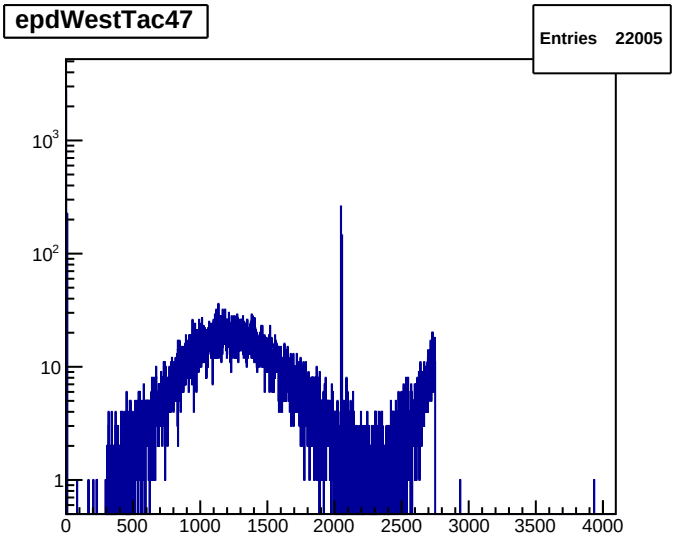

epdEastTac47VsSimu
Entries 0
Data
Simu

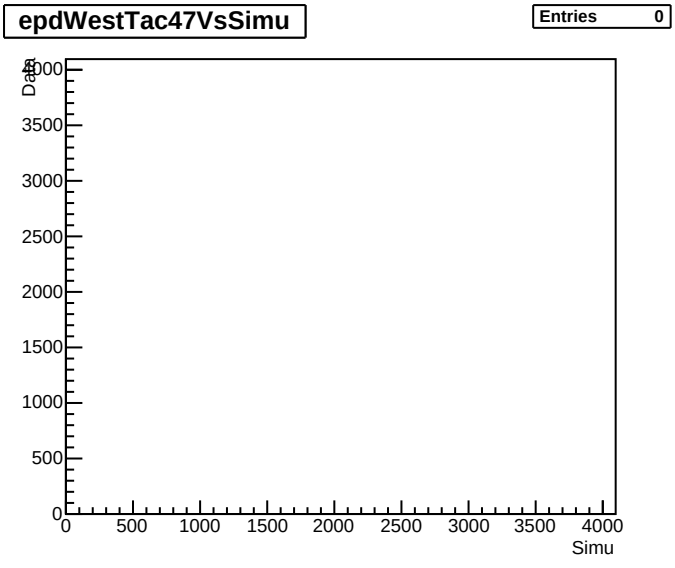

epdEastNHits
Entries 22005

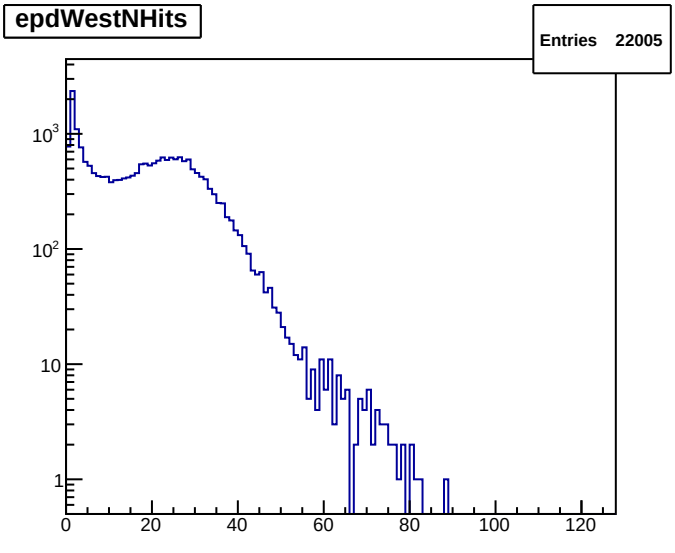

epdEastNHitsVsSimu
Entries 0
Data
Simu

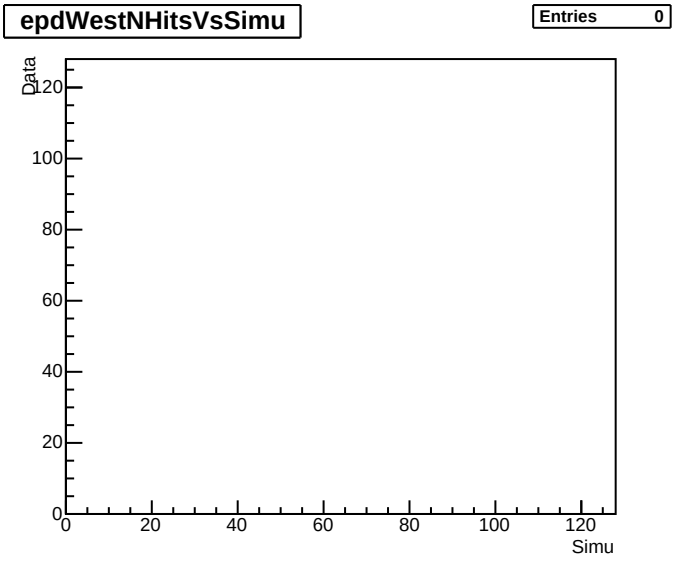

epdWestTac03
Entries 22005
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

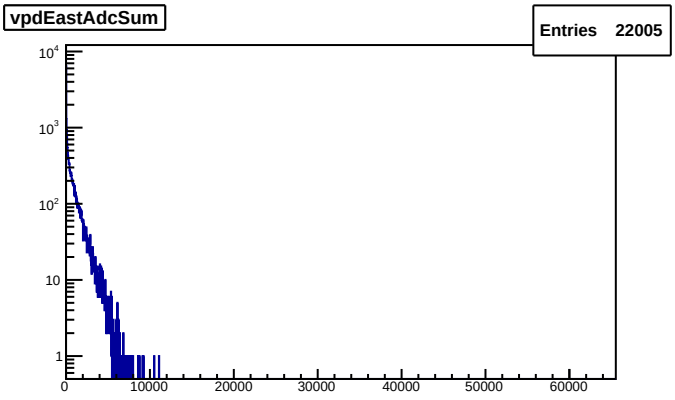

epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

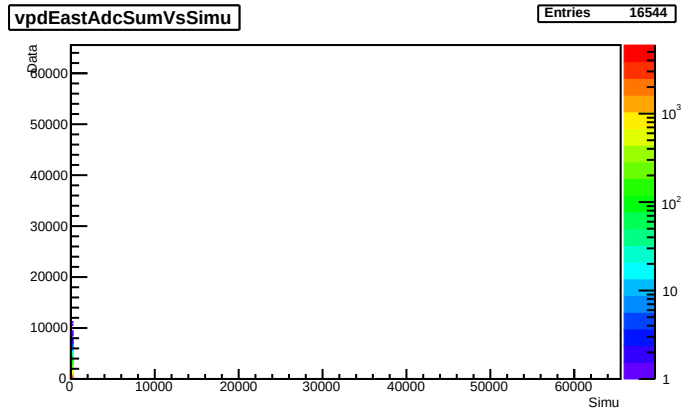

epdWestTac47
Entries 22005
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

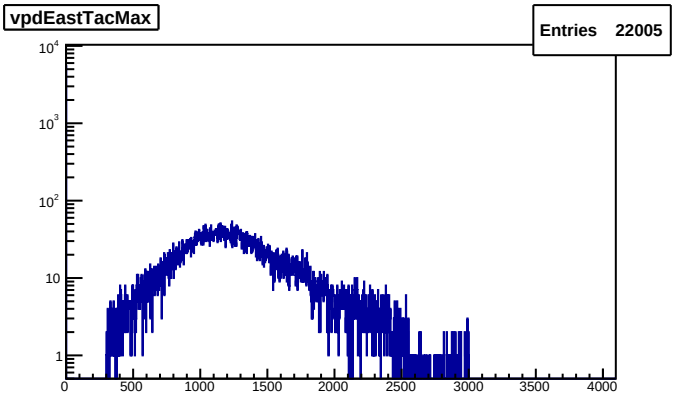

epdWestTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

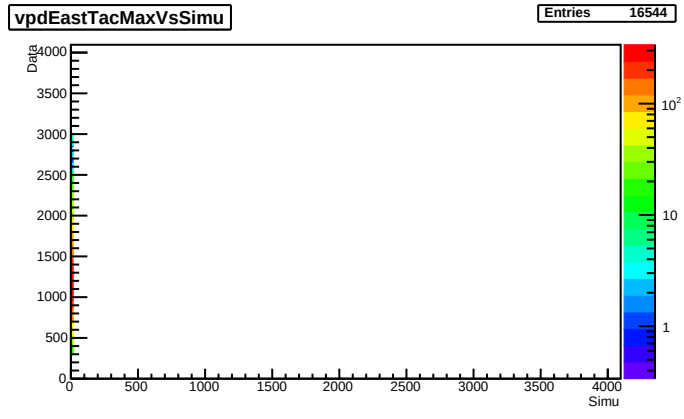

epdWestNHits
Entries 22005
10^3
10^2
10
1
0 20 40 60 80 100 120

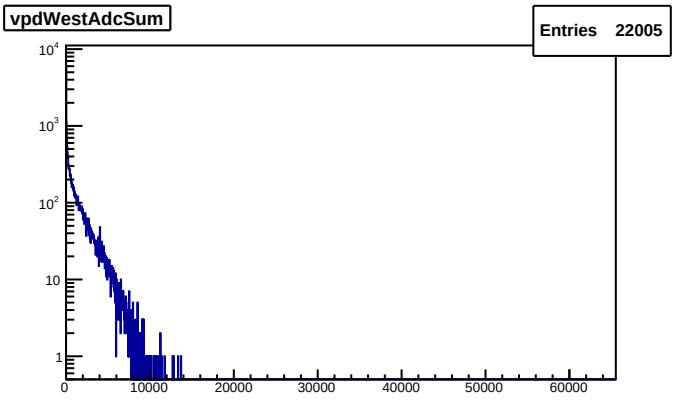

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

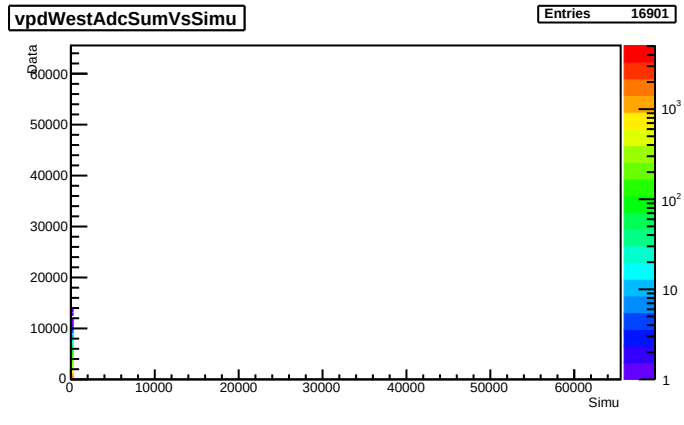

vpdEastAdcSum
Entries 22005

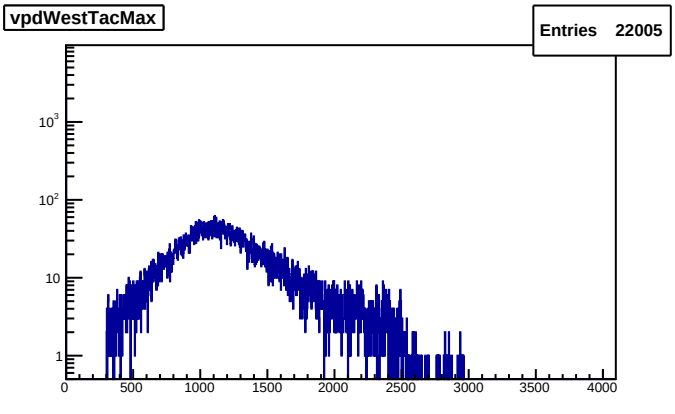

vpdEastAdcSumVsSimu
Entries 16544
Data
Simu

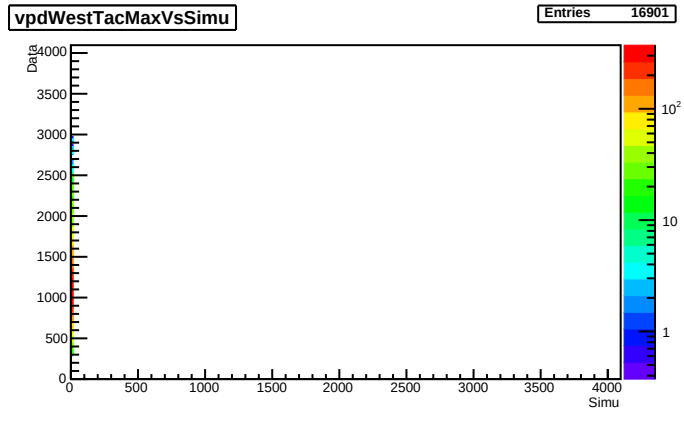

vpdEastTacMax
Entries 22005

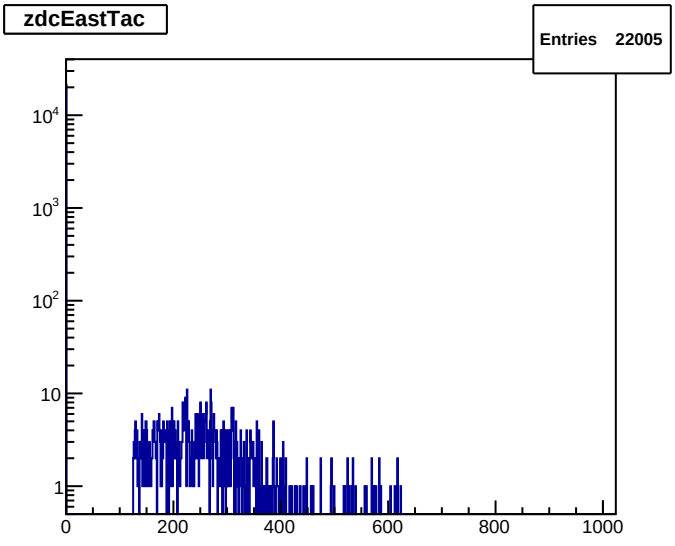

vpdEastTacMaxVsSimu
Entries 16544
Data
Simu

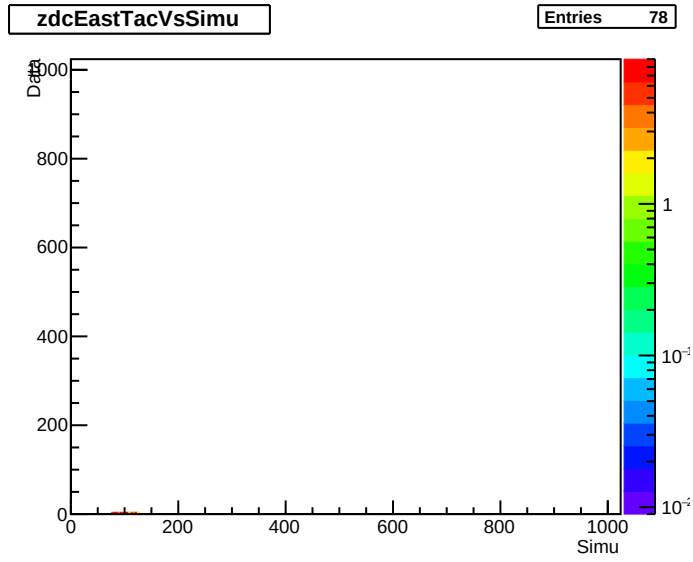

vpdWestAdcSum
Entries 22005

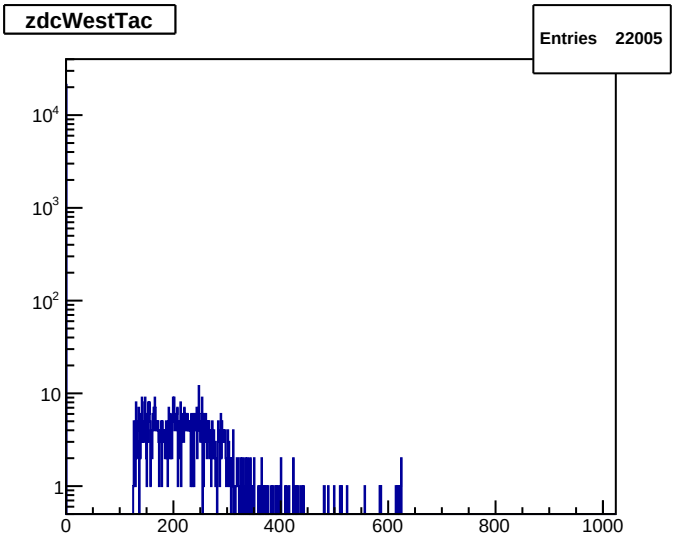

vpdWestAdcSumVsSimu
Entries 16901
Data
Simu

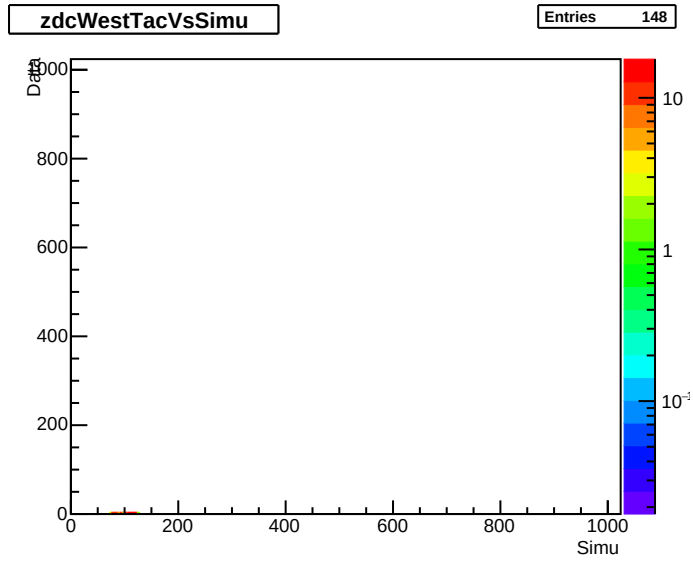

vpdWestTacMax
Entries 22005

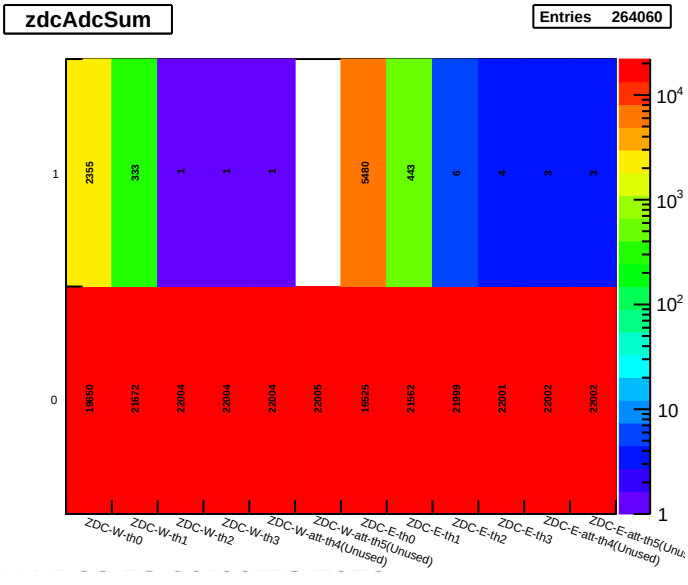

vpdWestTacMaxVsSimu
Entries 16901
Data
Simu

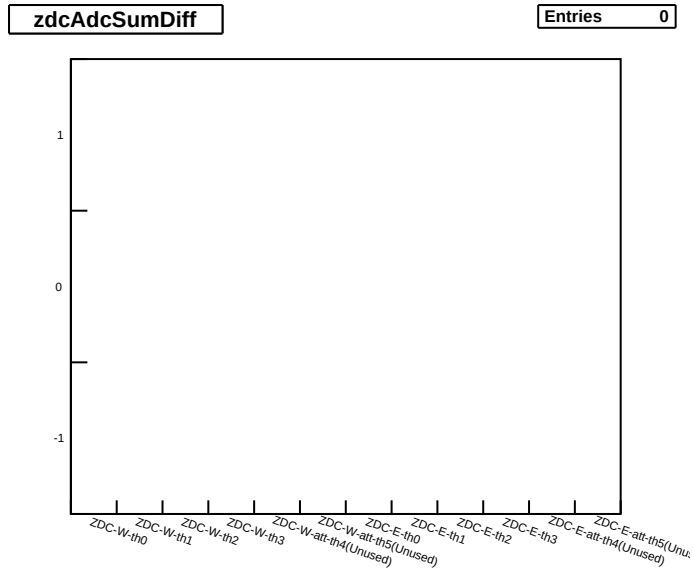

zdcEastTac
Entries 22005

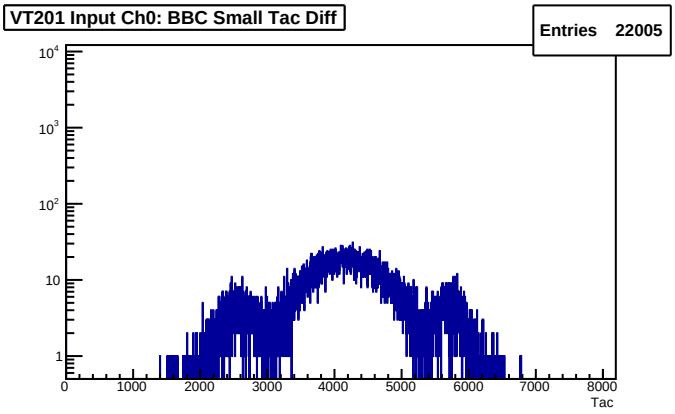

zdcEastTacVsSimu
Entries 78
Data
Simu

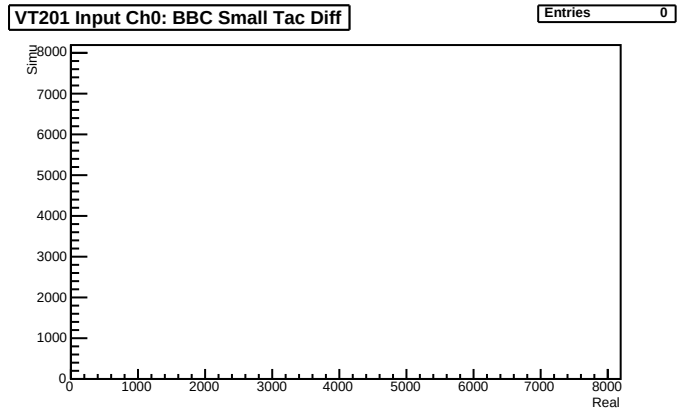

zdcWestTac
Entries 22005

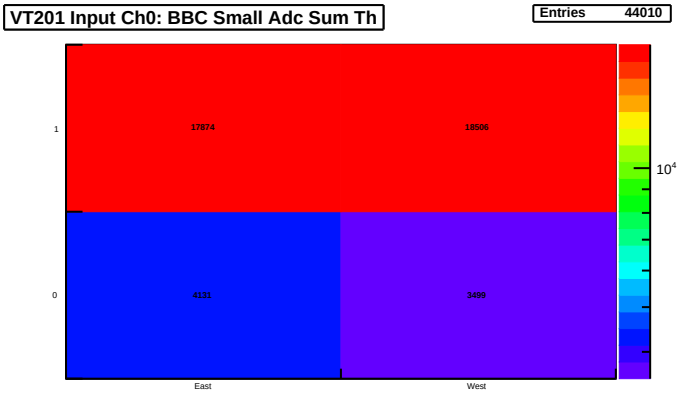

zdcWestTacVsSimu
Entries 148
Data
Simu

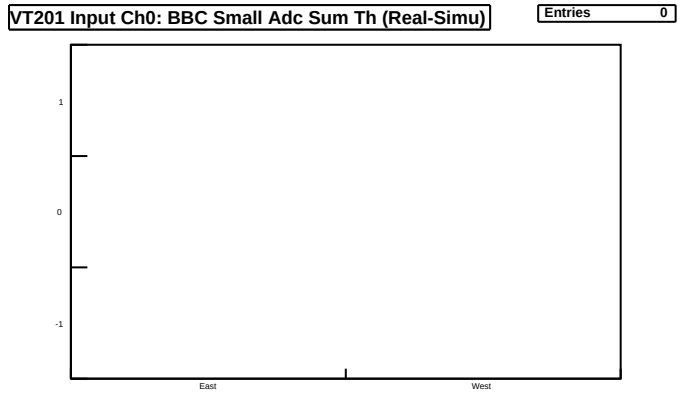

zdcAdcSum
Entries 264060
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

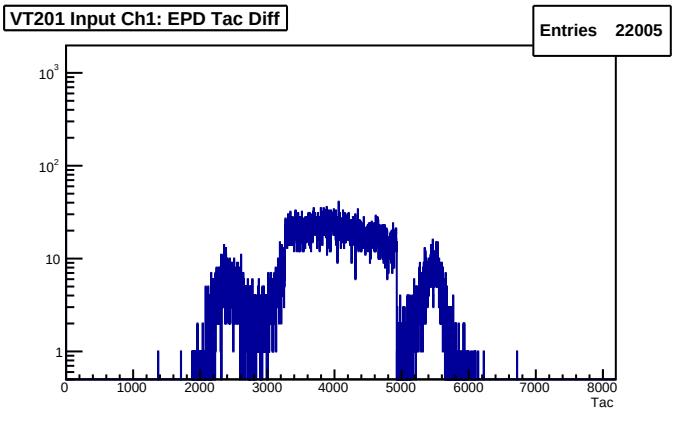

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

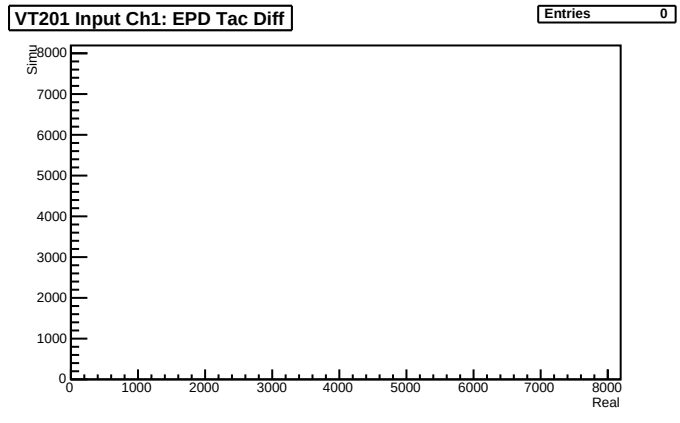

VT201 Input Ch0: BBC Small Tac Diff
Entries 22005
Tac

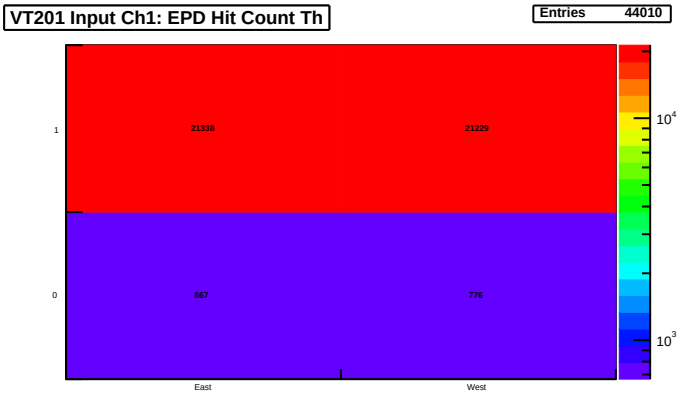

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

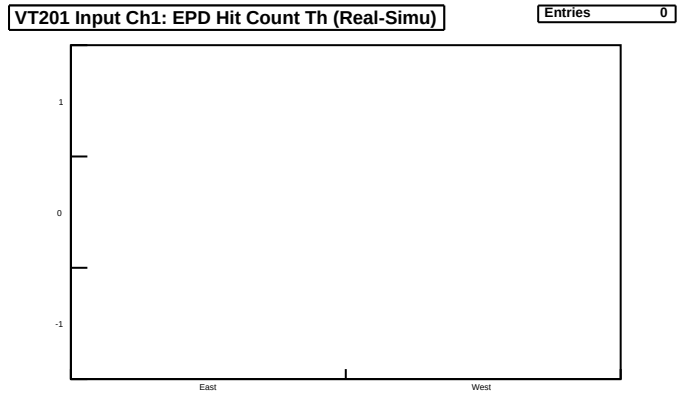

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 44010
17874
18506
4131
3499
East
West

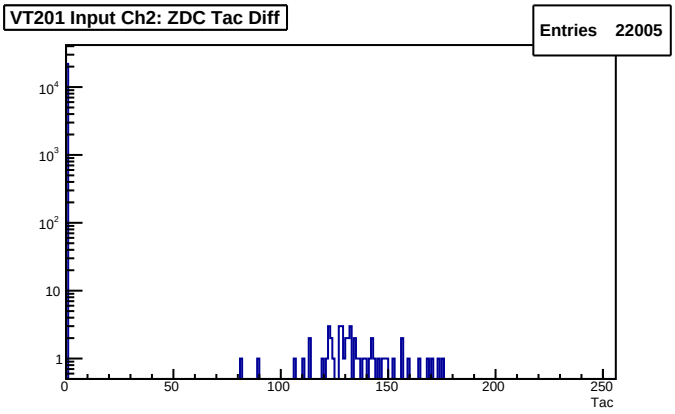

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

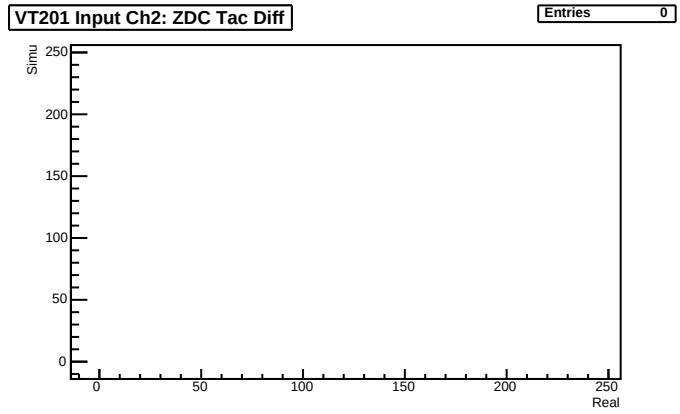

VT201 Input Ch1: EPD Tac Diff
Entries 22005
Tac

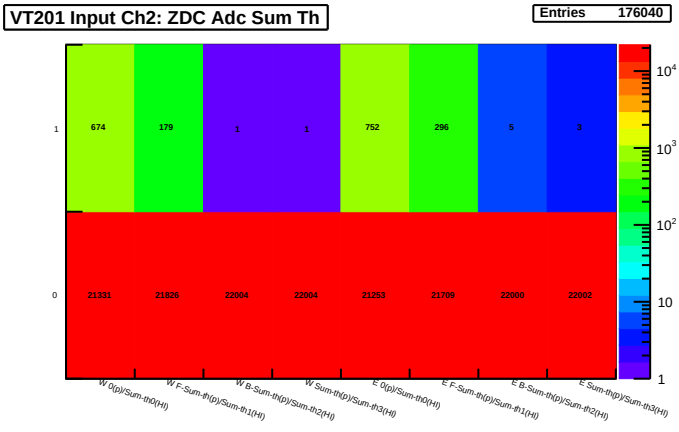

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

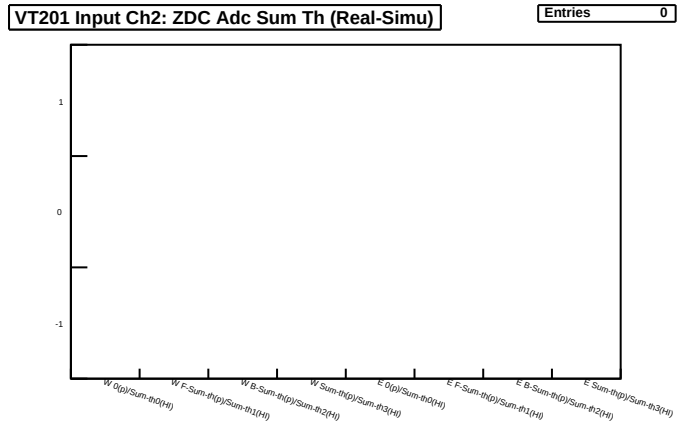

VT201 Input Ch1: EPD Hit Count Th
Entries 44010
21338
21229
667
776
East
West

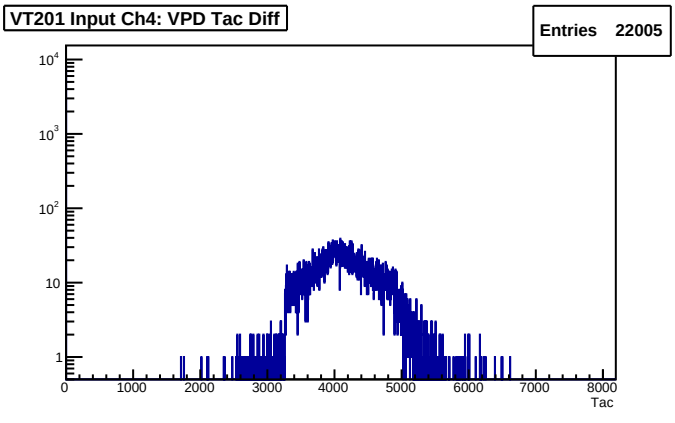

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

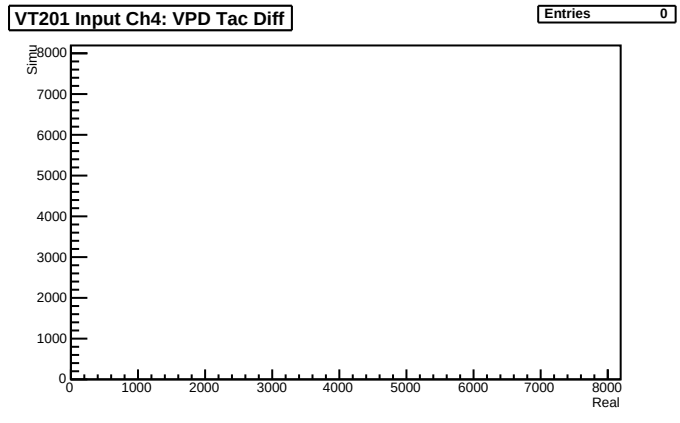

VT201 Input Ch2: ZDC Tac Diff
Entries 22005
Tac

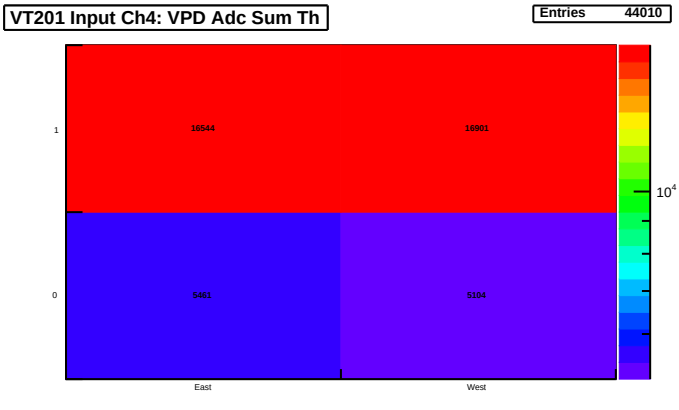

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

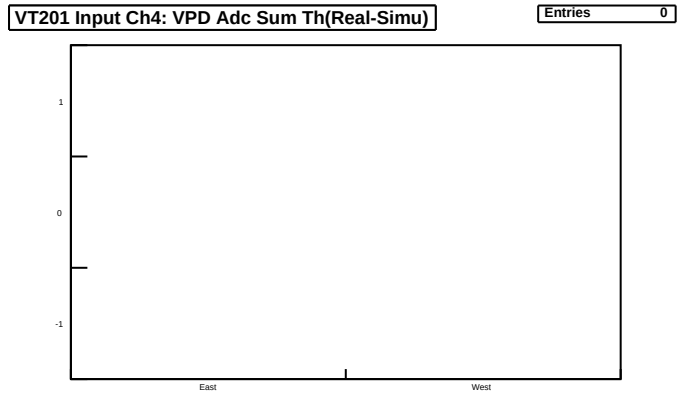

VT201 Input Ch2: ZDC Adc Sum Th
Entries 176040
674
179
1
1
752
296
5
3
21331
21826
22004
22004
21253
21709
22000
22002
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

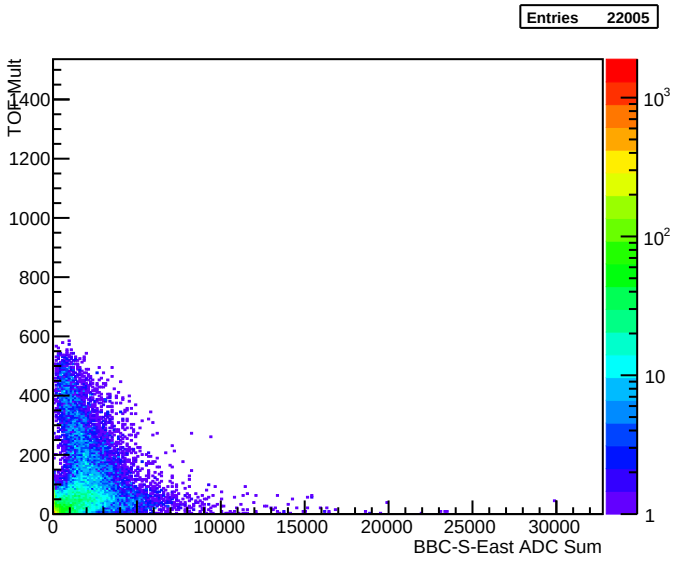

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

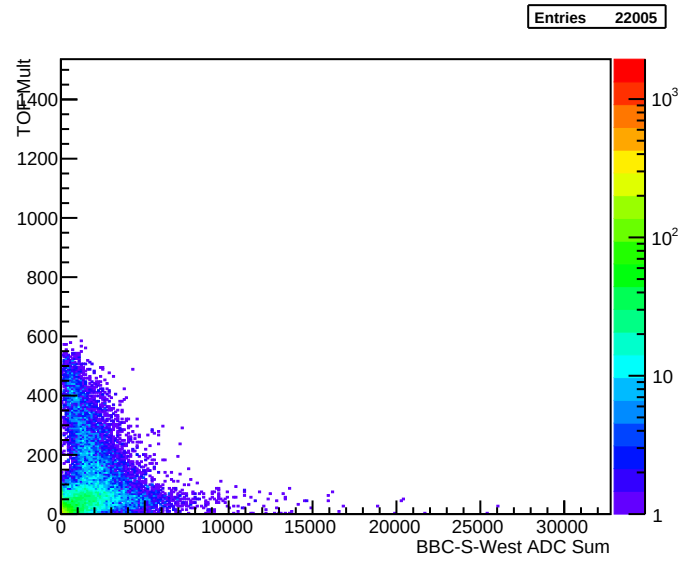

VT201 Input Ch4: VPD Tac Diff
Entries 22005
Tac

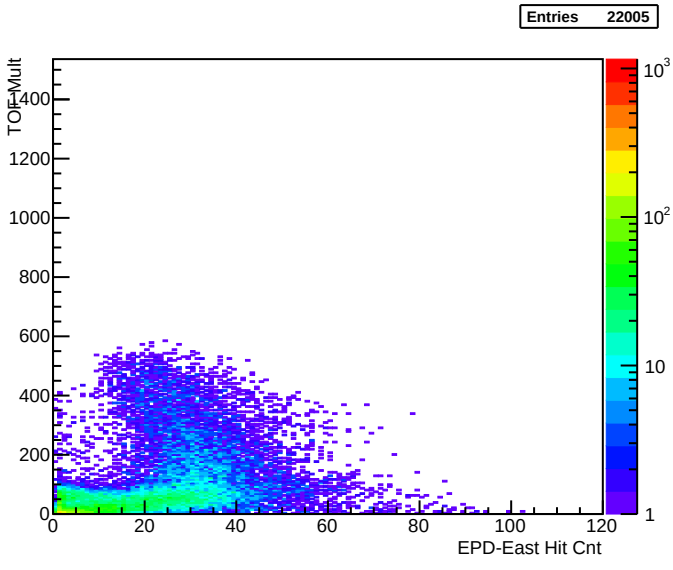

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

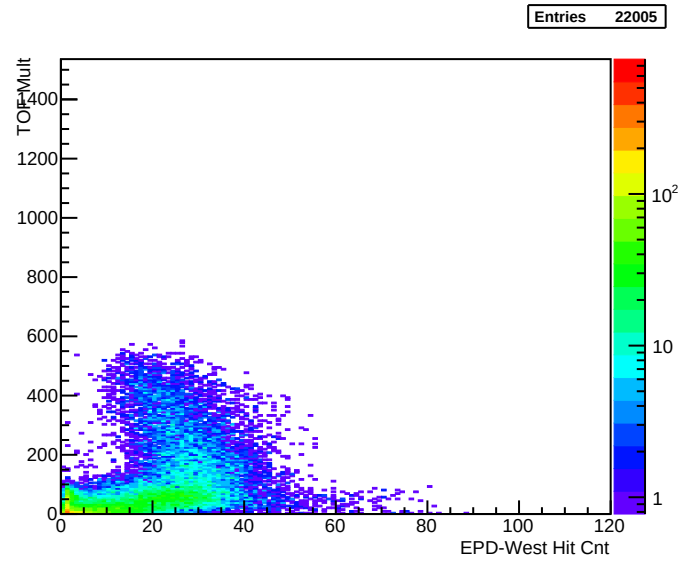

VT201 Input Ch4: VPD Adc Sum Th
Entries 44010
16544
16901
5461
5104
East
West

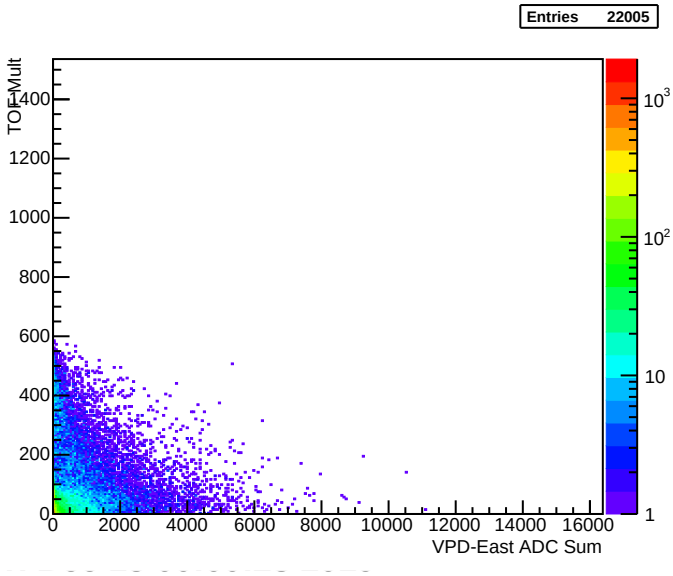

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

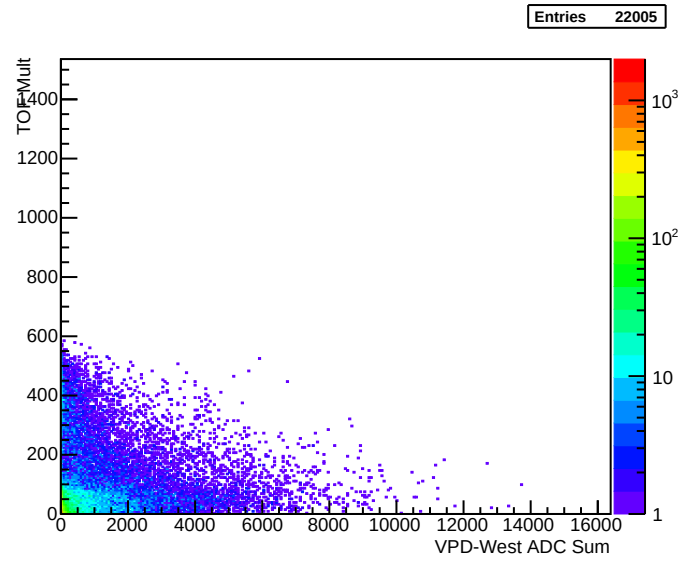

Entries 22005
TOF-Mult
BBC-S-East ADC Sum

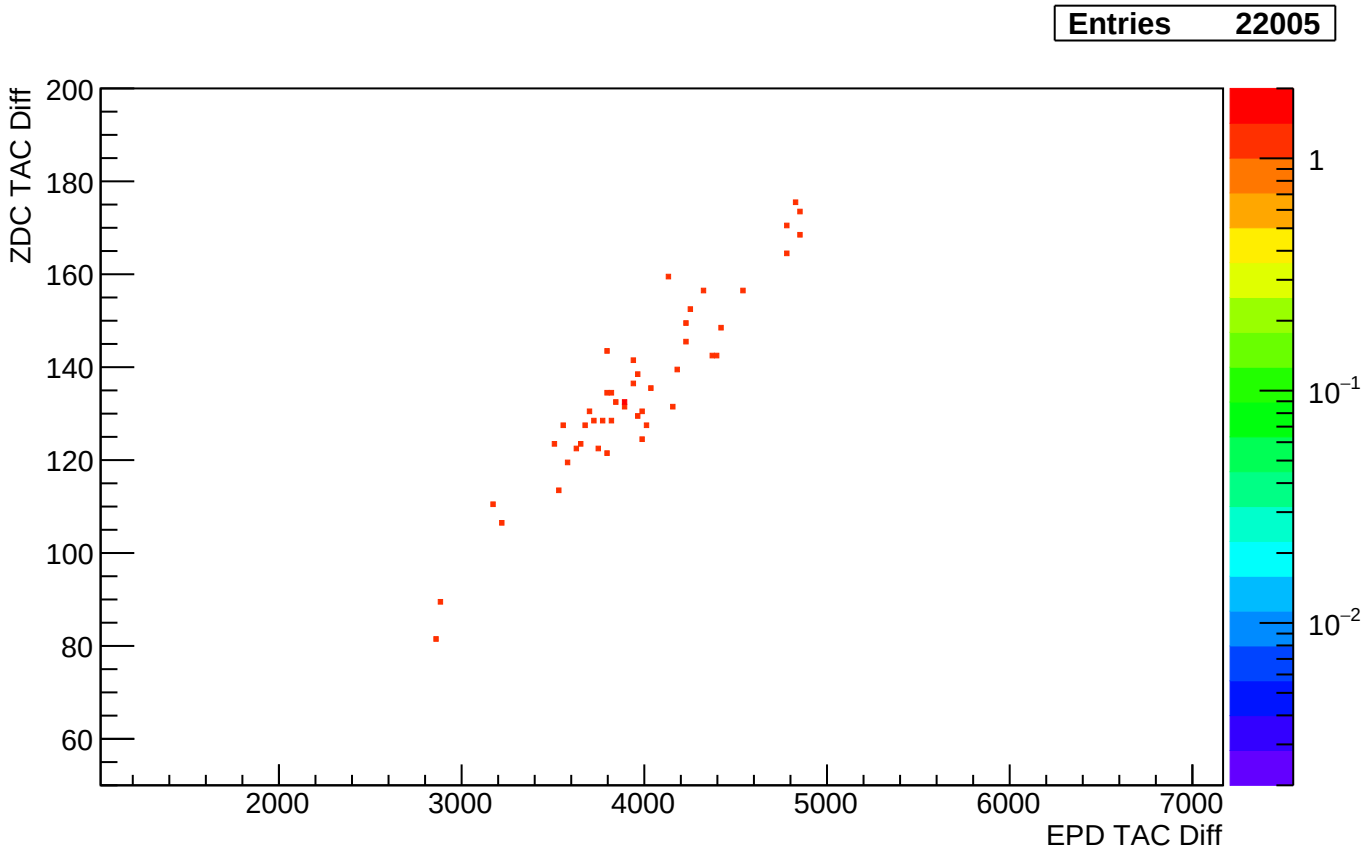

Entries 22005
TOF-Mult
BBC-S-West ADC Sum

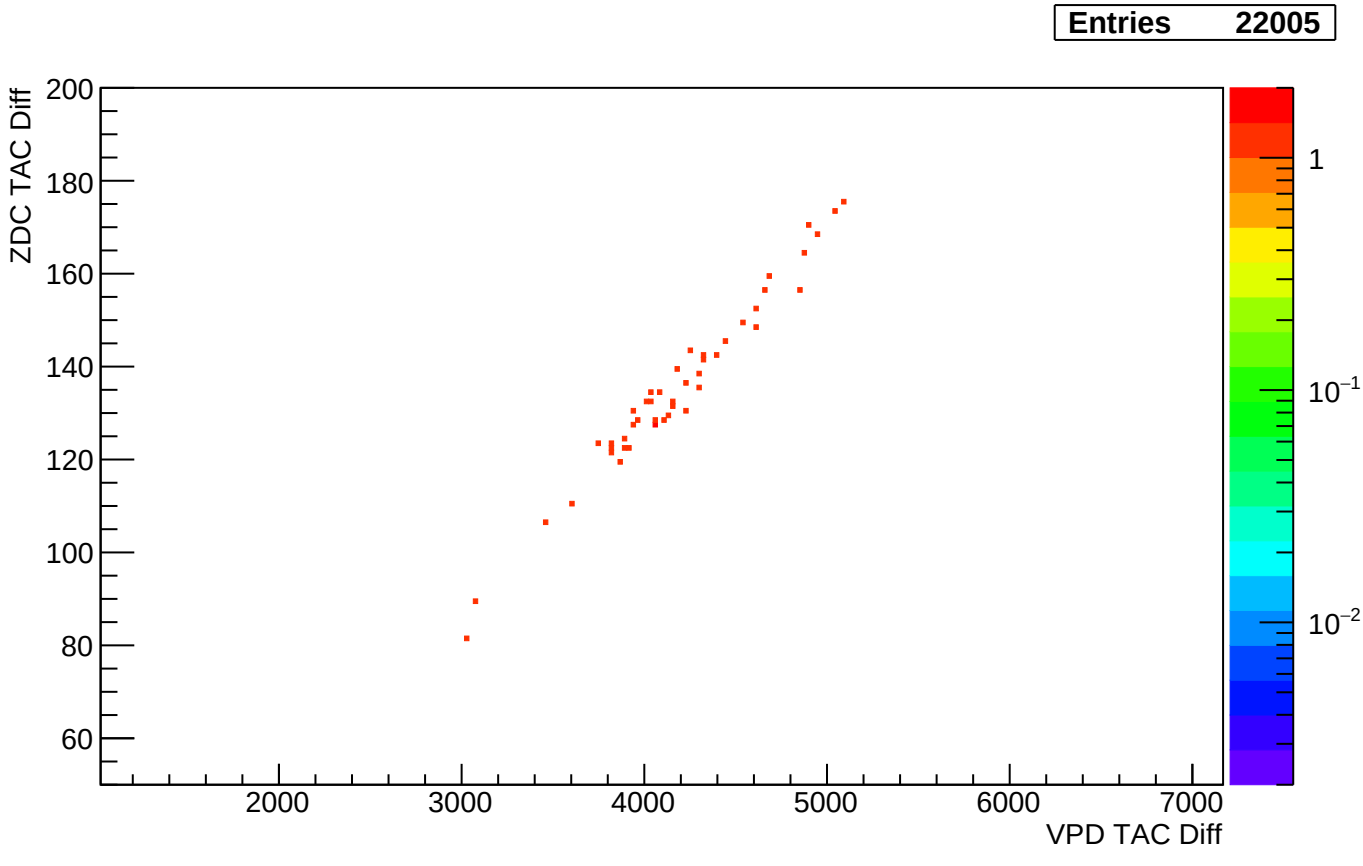

Entries 22005
TOF-Mult
EPD-East Hit Cnt

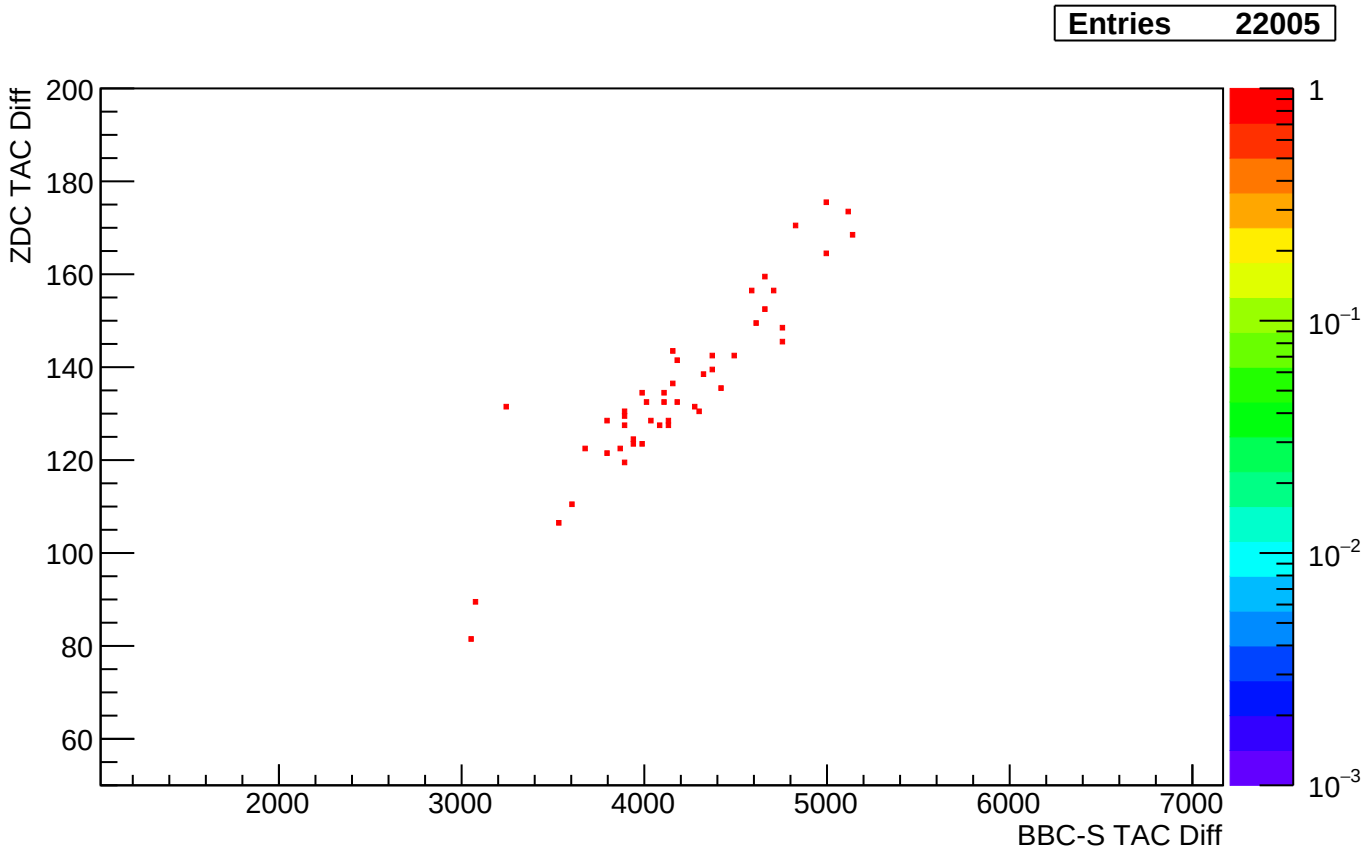

Entries 22005
TOF-Mult
EPD-West Hit Cnt

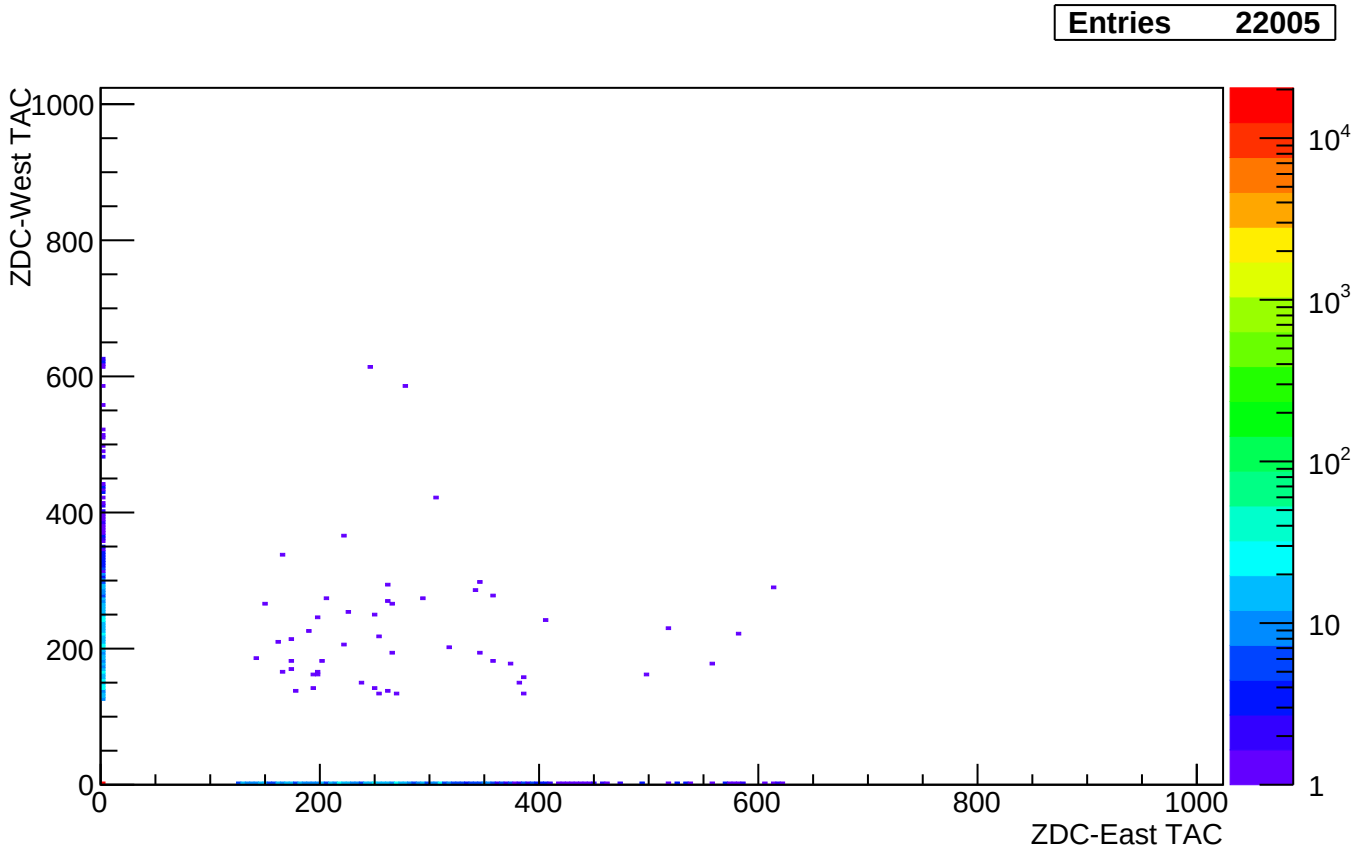

Entries 22005
TOF-Mult
VPD-East ADC Sum

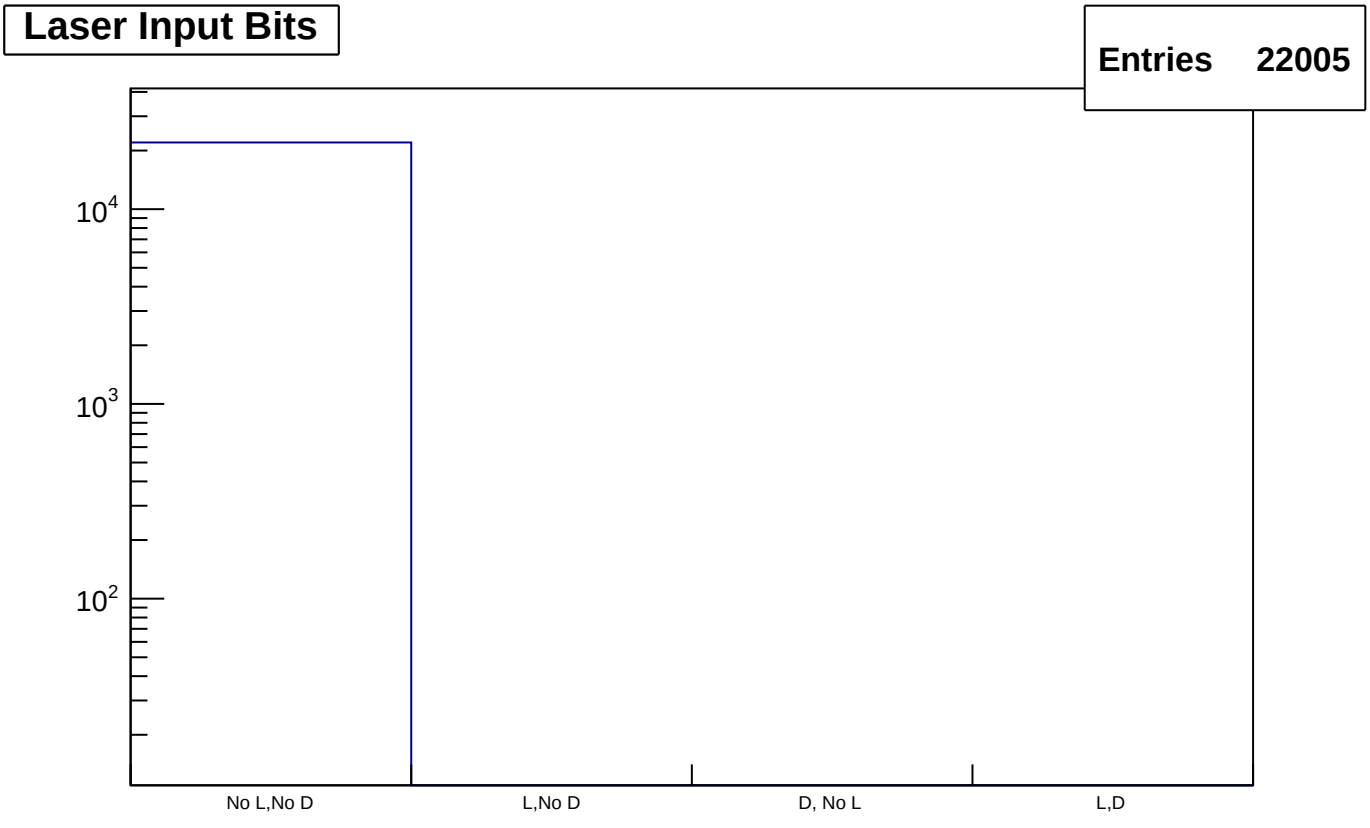

Entries 22005
TOF-Mult
VPD-West ADC Sum

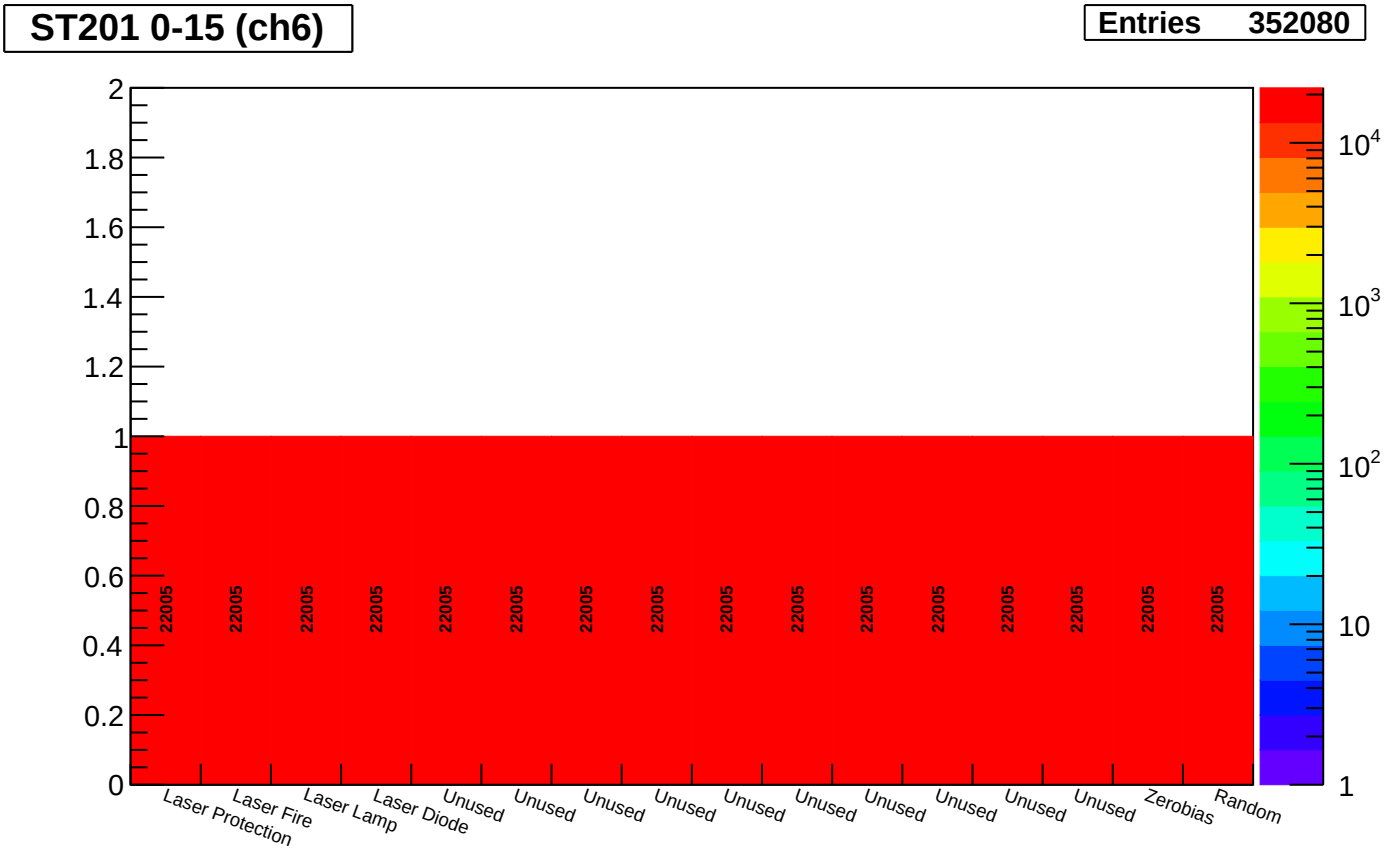

Entries 22005
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

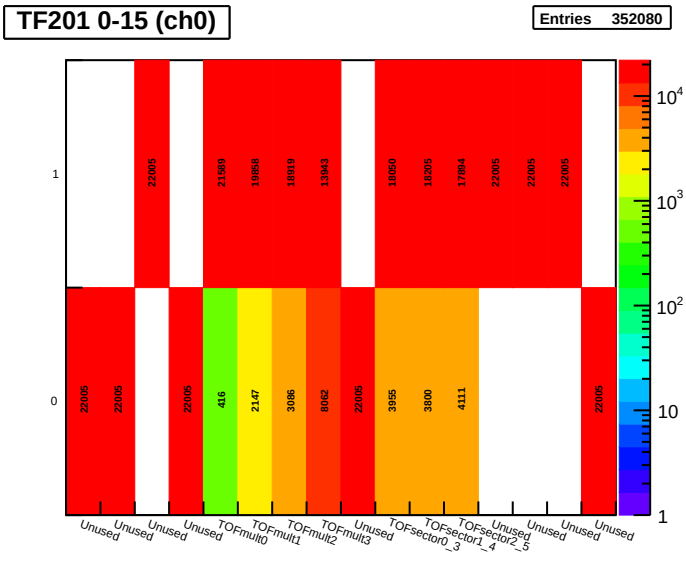

Entries 22005
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

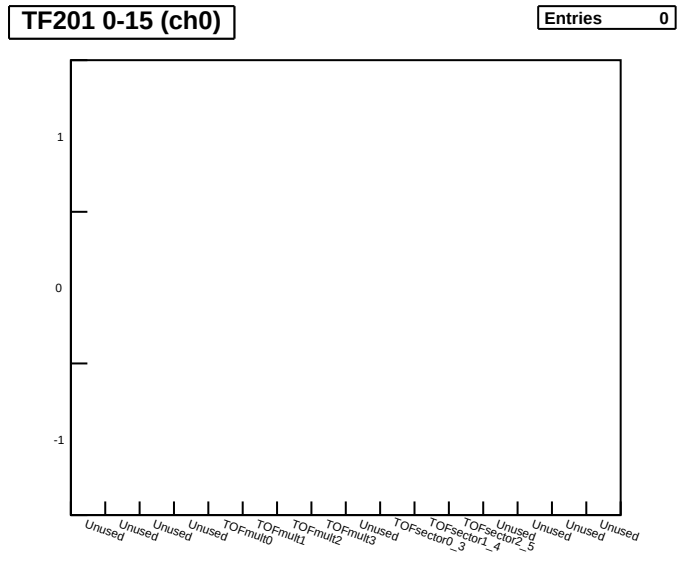

Entries 22005
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

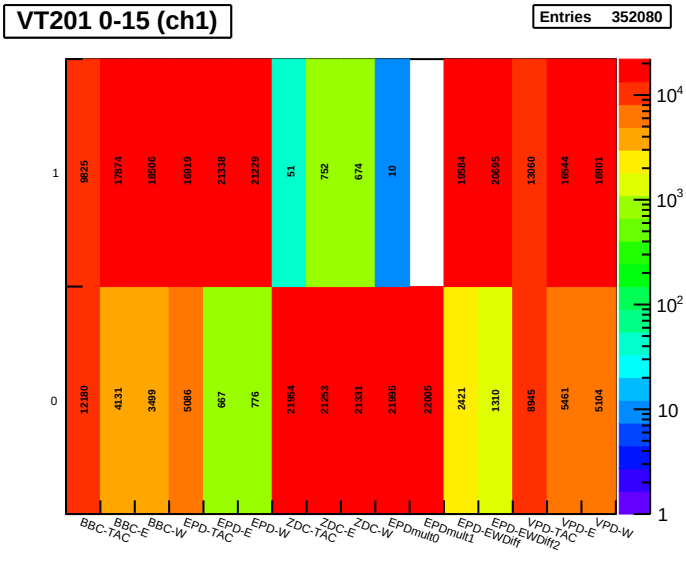

Entries 22005
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

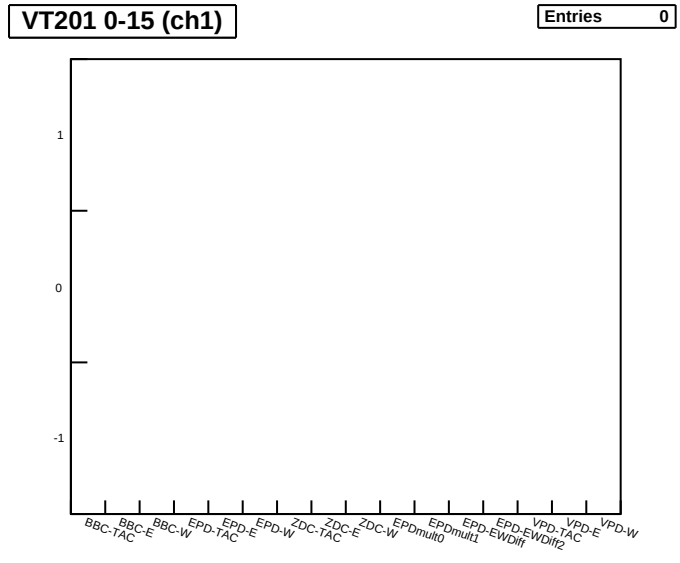

Laser Input Bits
Entries 22005
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

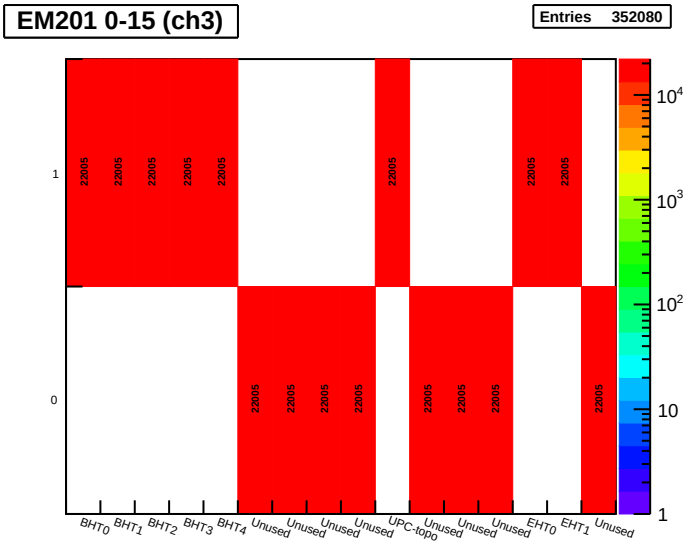

ST201 0-15 (ch6)
Entries 352080
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
22005
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

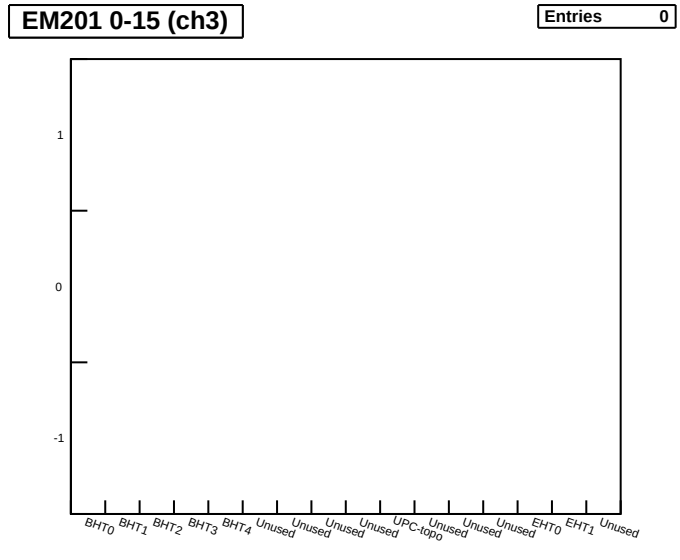

TF201 0-15 (ch0)
Entries 352080
22005 21589 19958 18919 13943 18050 18205 17894 22005 22005 22005
22005 22005 22005 416 2147 3086 8062 22005 3955 3800 4111 22005
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 352080
9825 17874 18506 16919 21338 22229 51 752 674 10 15584 20695 13060 16544 18001
12180 4131 3499 5086 667 776 21954 21253 21331 21995 22005 2421 1310 8945 5461 5104
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


VT201 0-15 (ch1)
Entries 0
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 352080
22005 22005 22005 22005 22005 22005 22005 22005
22005 22005 22005 22005 22005 22005 22005 22005
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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