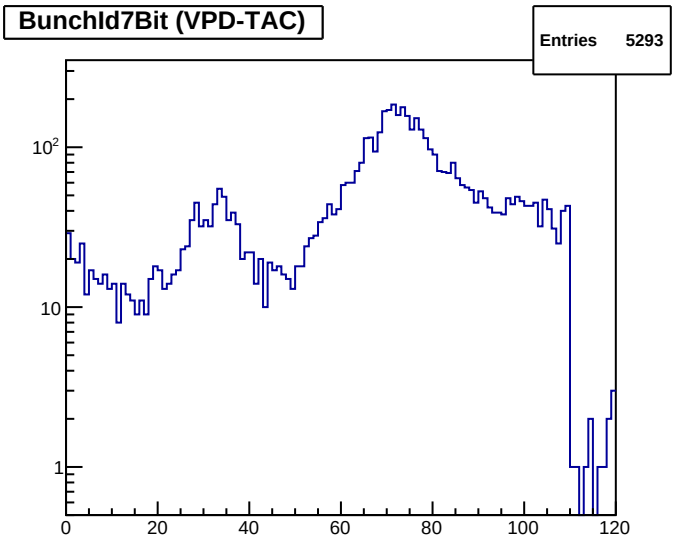
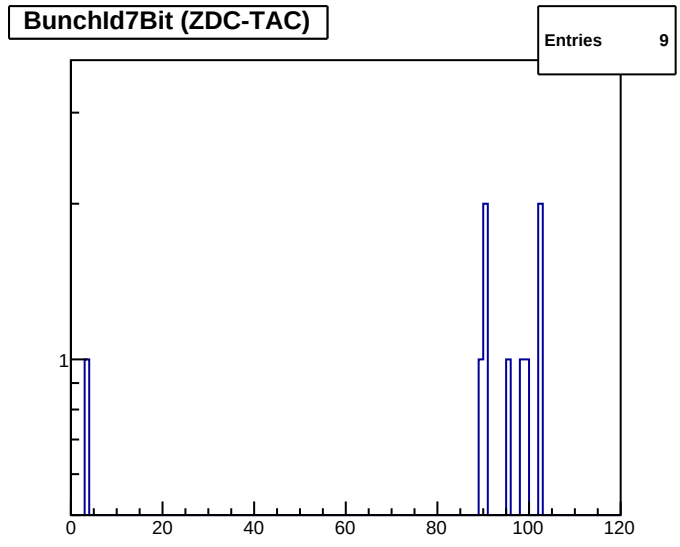
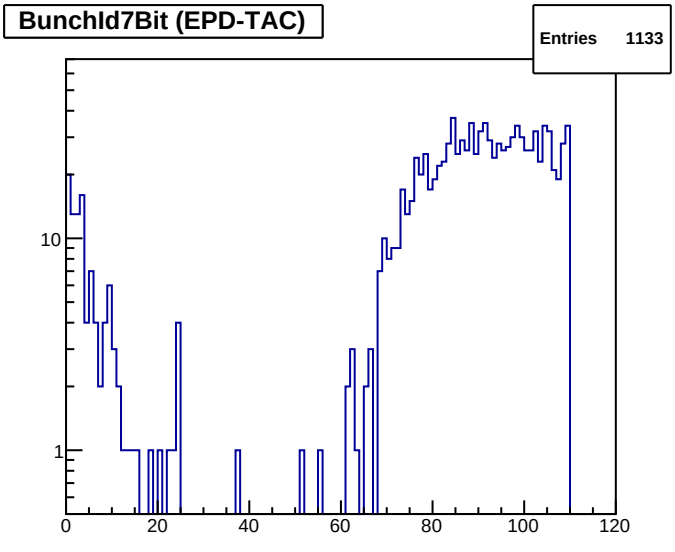
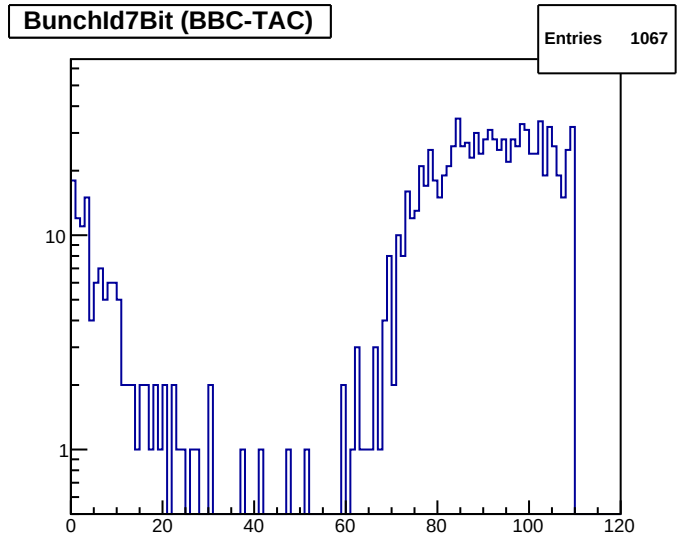
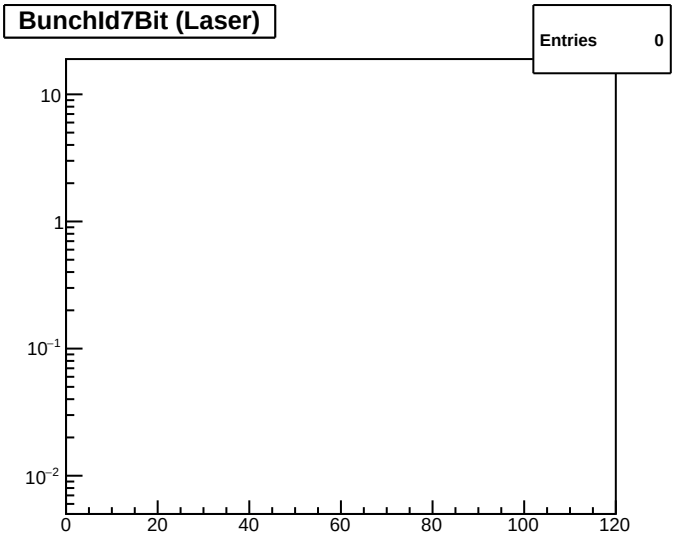
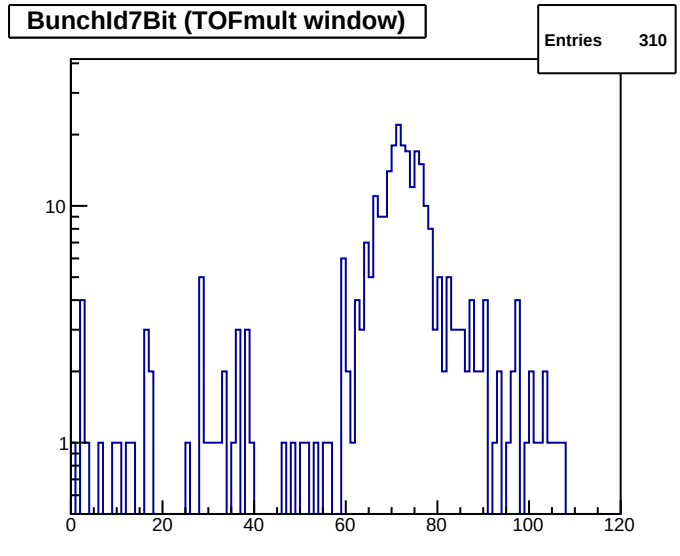

BunchId7Bit (VPD-TAC)
Entries 5293
10^2
10
1
0
20
40
60
80
100
120

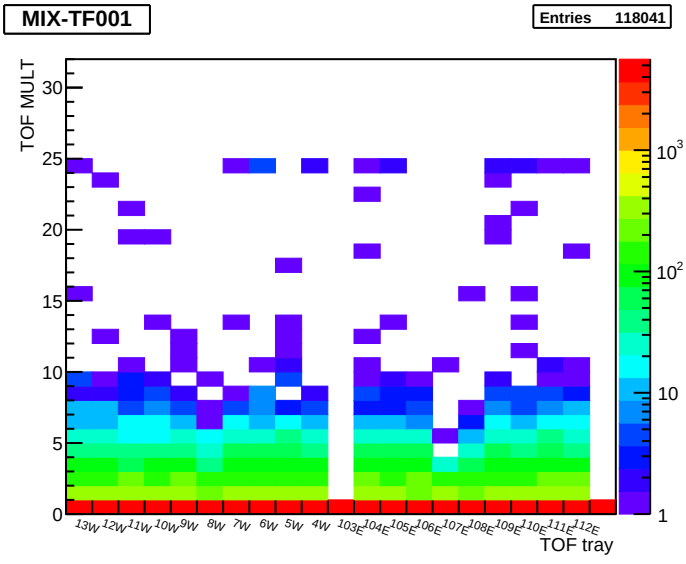

BunchId7Bit (ZDC-TAC)
Entries 9
1
0
20
40
60
80
100
120

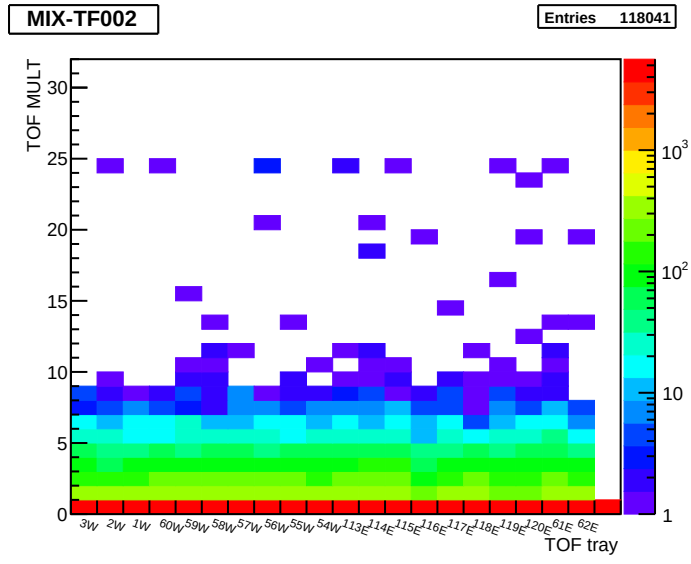

BunchId7Bit (EPD-TAC)
Entries 1133
10
1
0
20
40
60
80
100
120

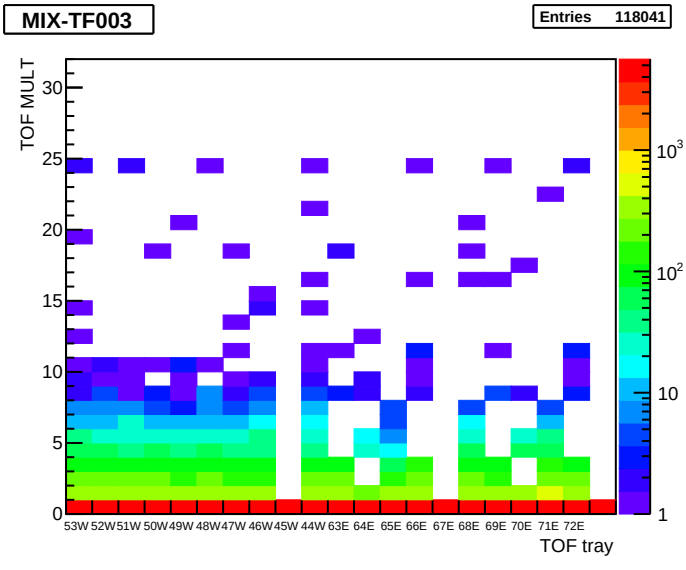

BunchId7Bit (BBC-TAC)
Entries 1067
10
1
0
20
40
60
80
100
120

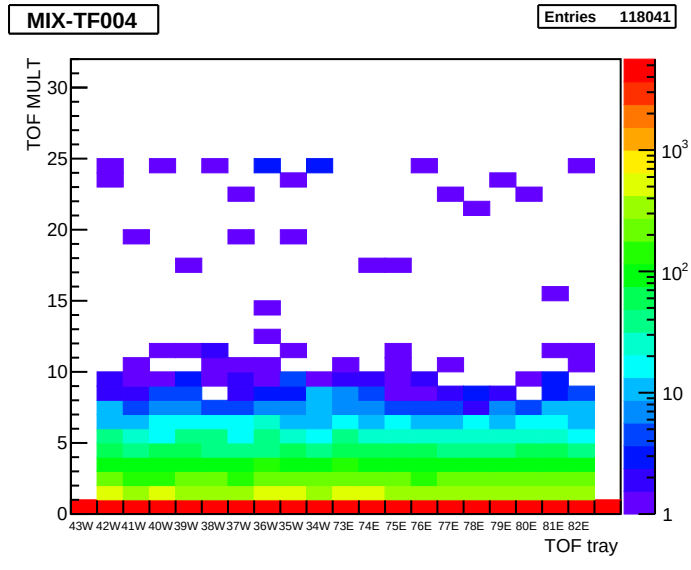

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

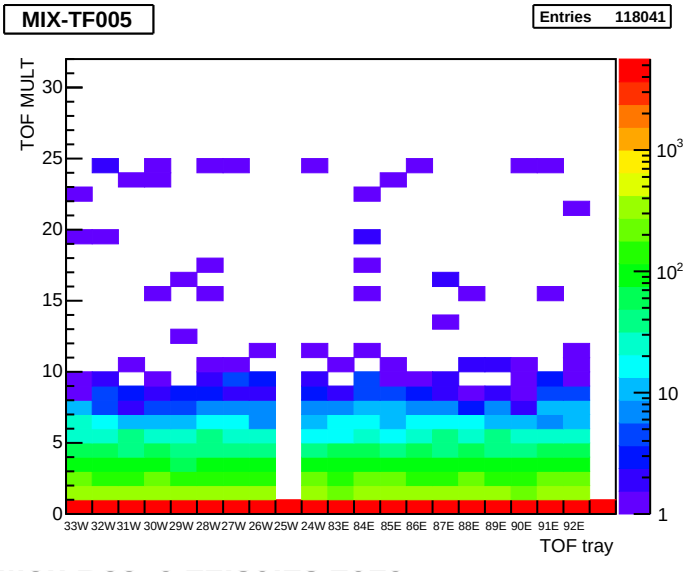

BunchId7Bit (TOFmult window)
Entries 310
10
1
0
20
40
60
80
100
120

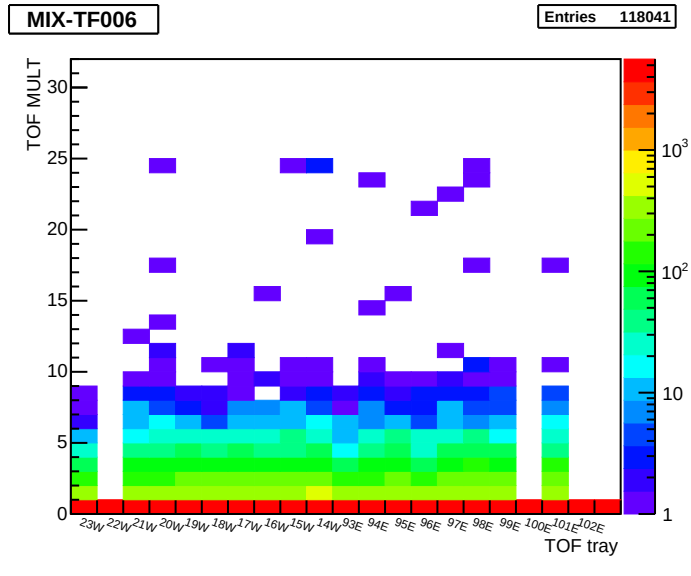

MIX-TF001
Entries 118041
TOF MULT
TOF tray

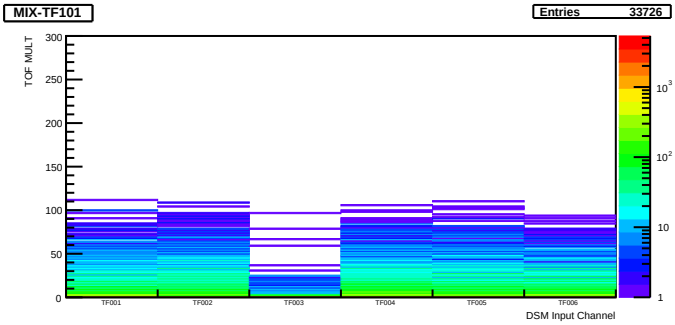

MIX-TF002
Entries 118041
TOF MULT
TOF tray

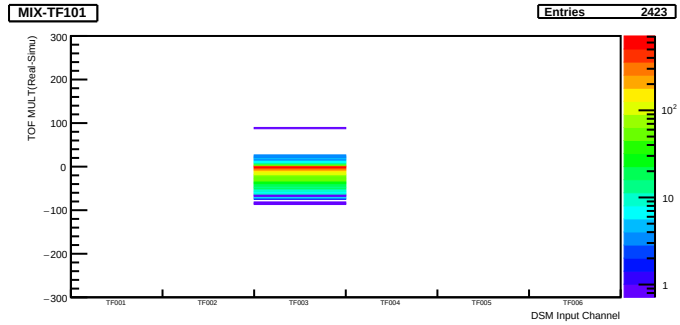

MIX-TF003
Entries 118041
TOF MULT
TOF tray

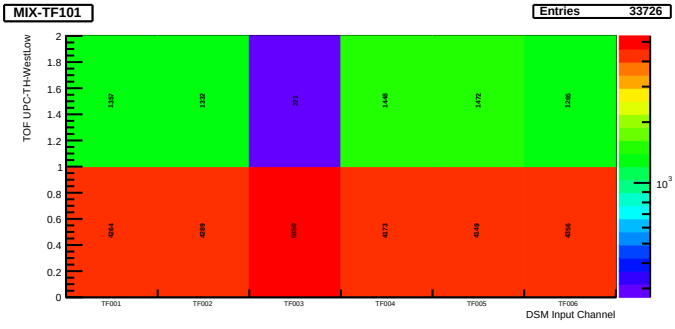

MIX-TF004
Entries 118041
TOF MULT
TOF tray

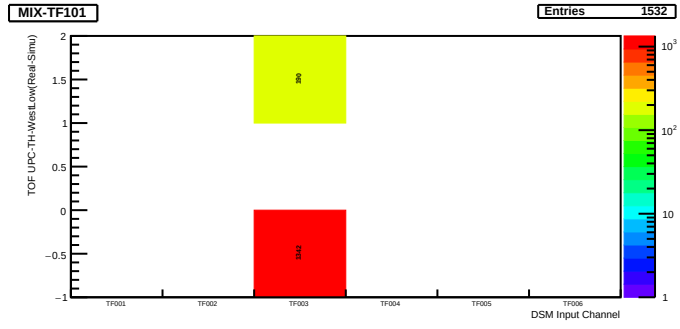

MIX-TF005
Entries 118041
TOF MULT
TOF tray

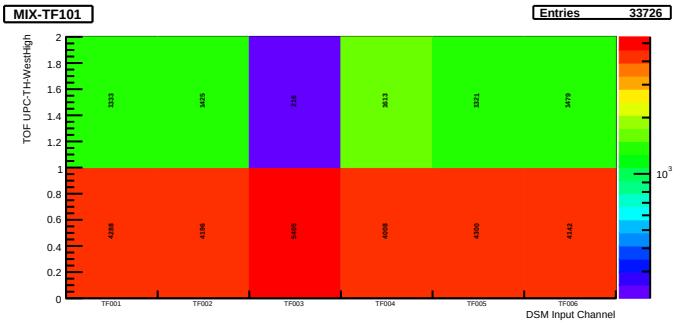

MIX-TF006
Entries 118041
TOF MULT
TOF tray

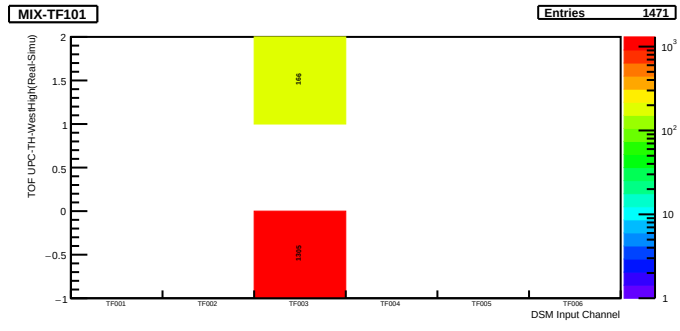

MIX-TF101
Entries 33726
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

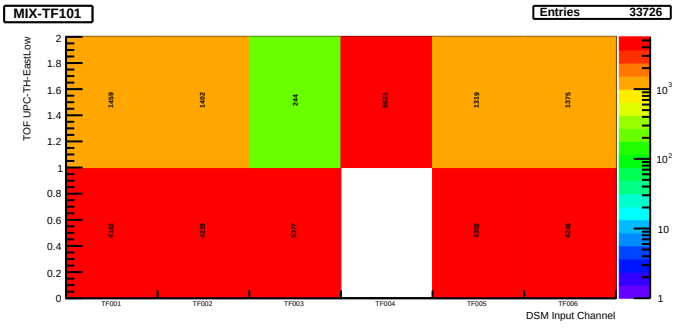

MIX-TF101
Entries 2423
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

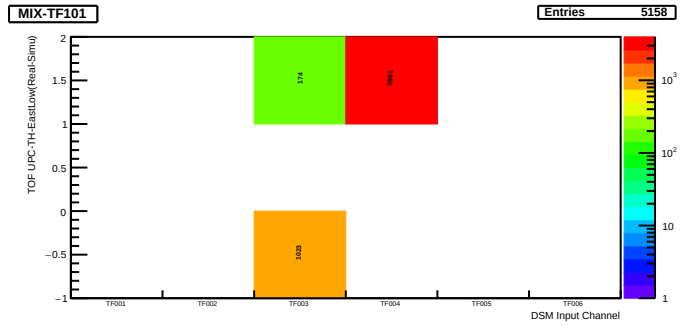

MIX-TF101
Entries 33726
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

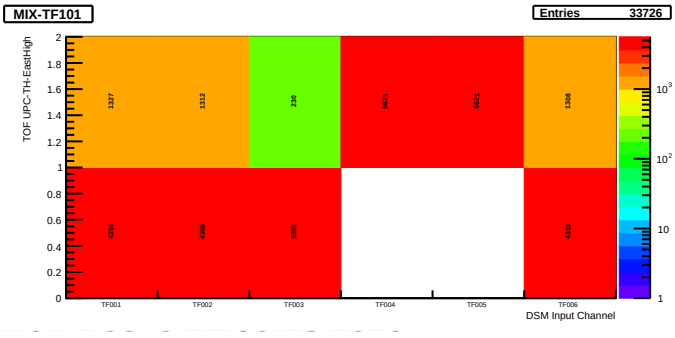

MIX-TF101
Entries 1532
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

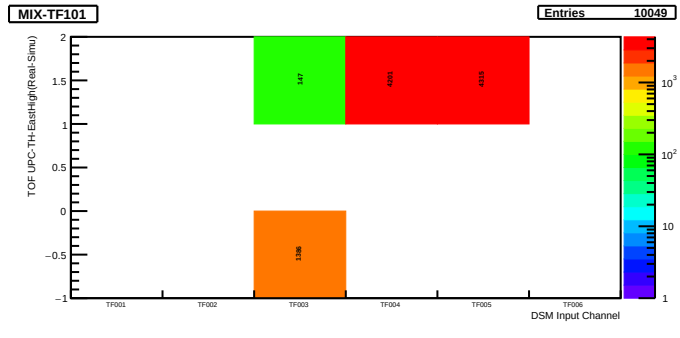

MIX-TF101
Entries 33726
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

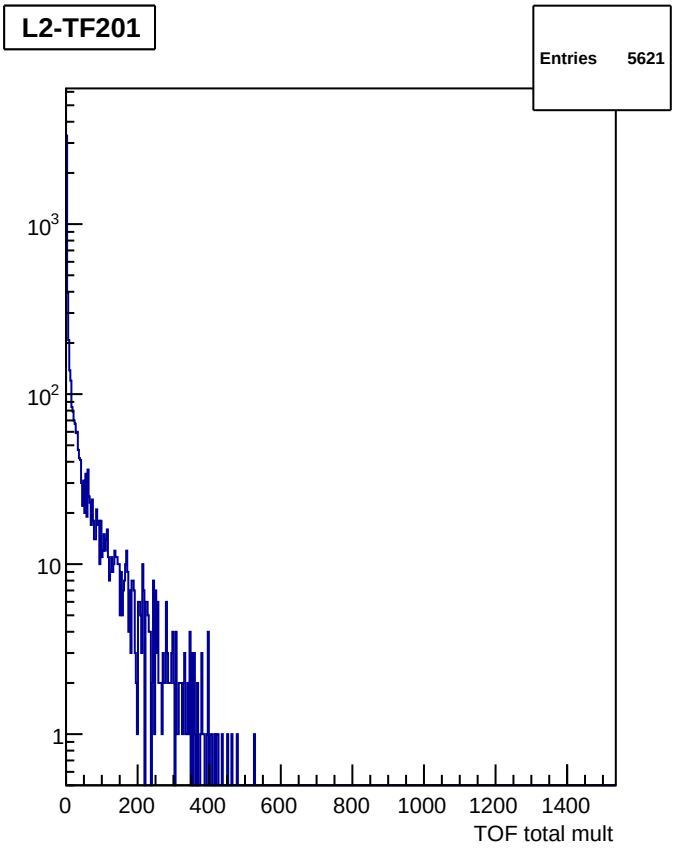

MIX-TF101
Entries 1471
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

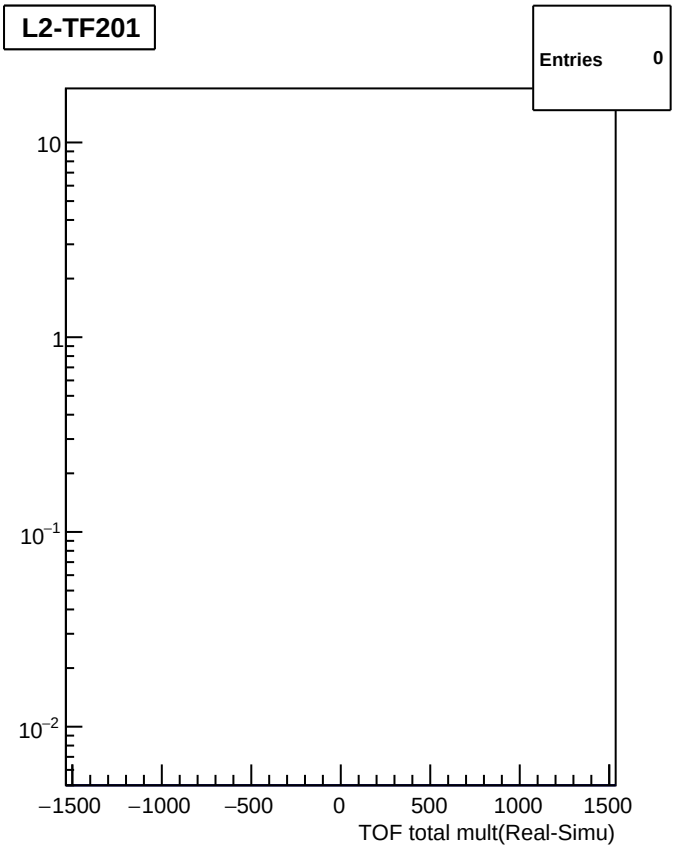

MIX-TF101
Entries 33726
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

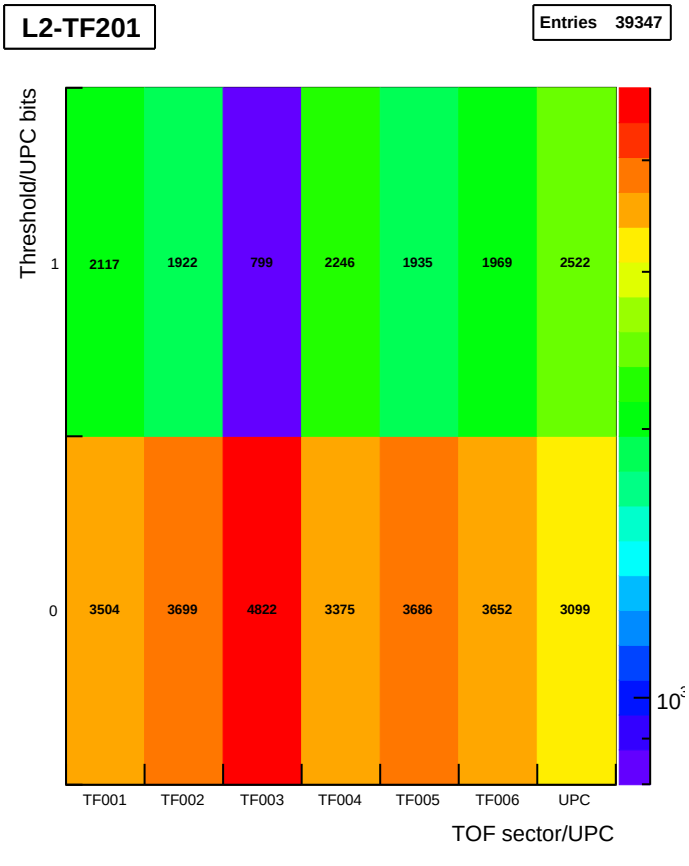

MIX-TF101
Entries 5158
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

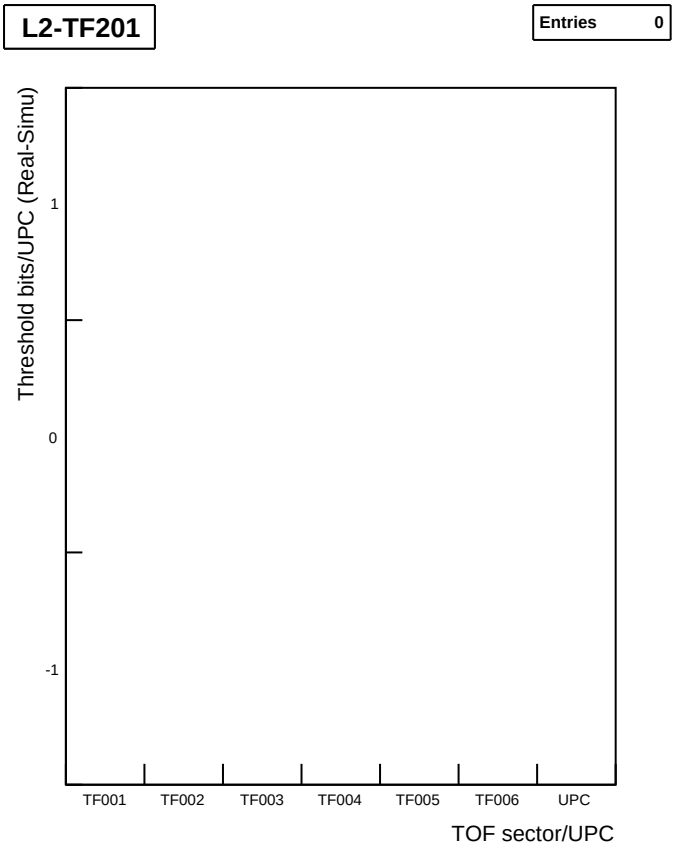

MIX-TF101
Entries 33726
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

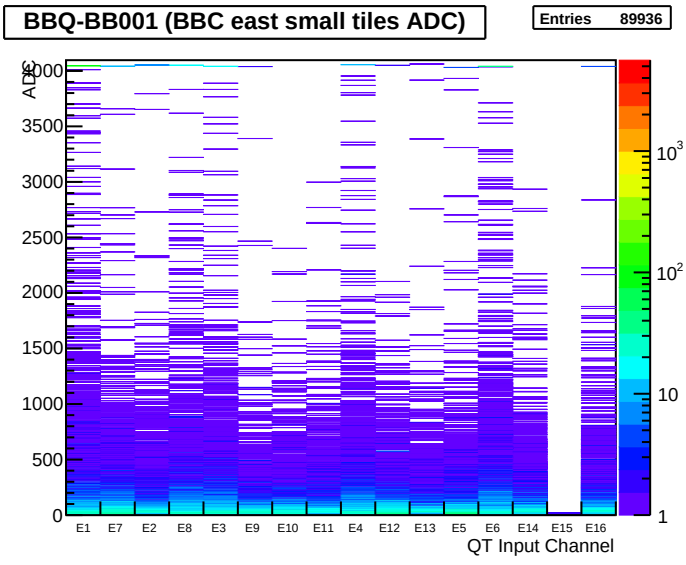

MIX-TF101
Entries 10049
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

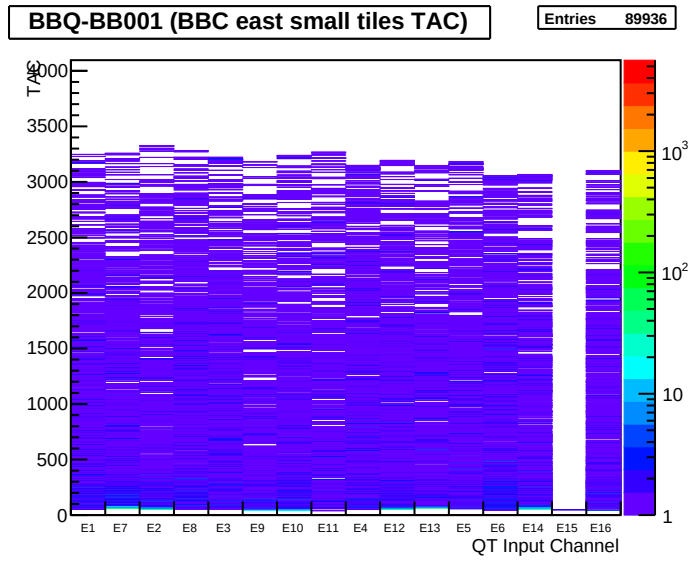

L2-TF201
Entries 5621
TOF total mult

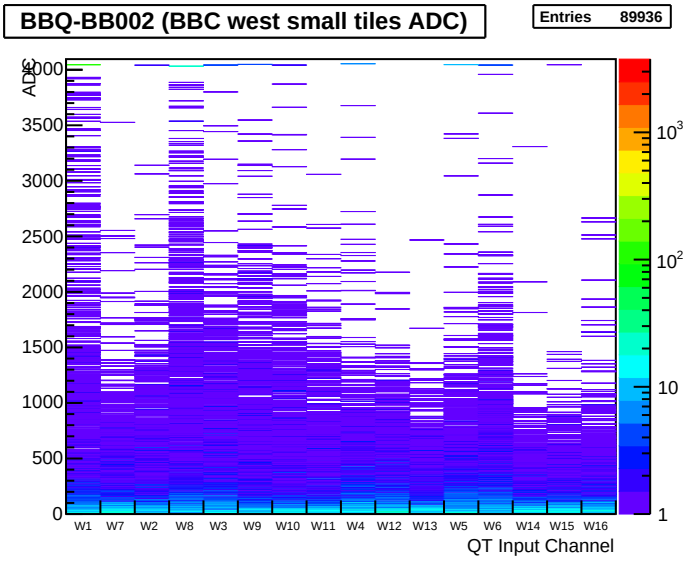

L2-TF201
Entries 0
TOF total mult(Real-Simu)

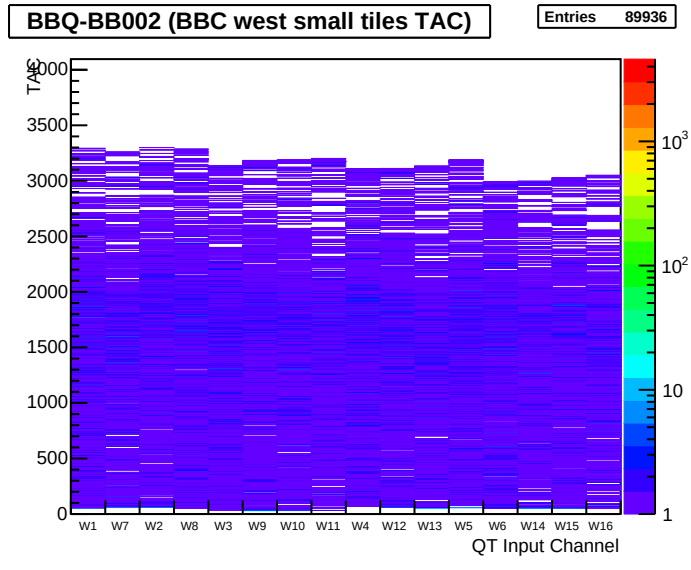

L2-TF201
Entries 39347
Threshold/UPC bits
2117
1922
799
2246
1935
1969
2522
3504
3699
4822
3375
3686
3652
3099
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

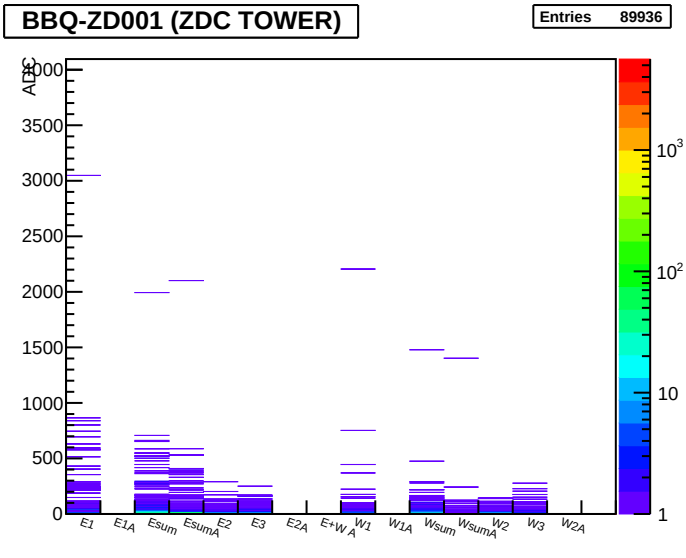

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

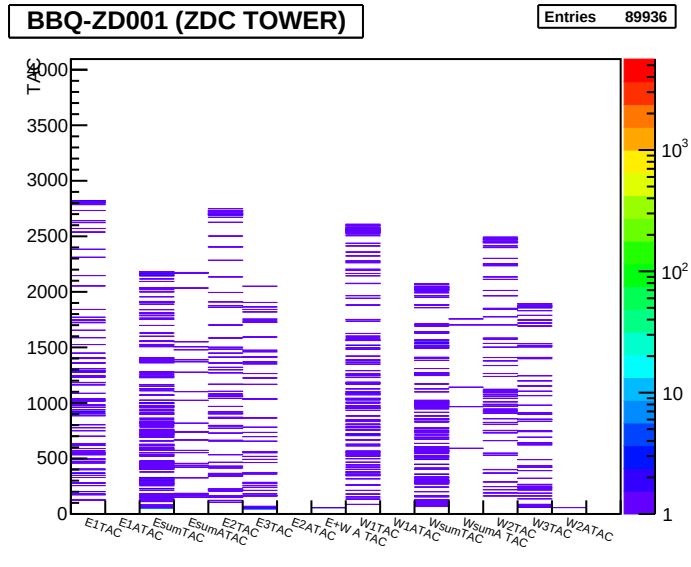

BBQ-BB001 (BBC east small tiles ADC)
Entries 89936
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

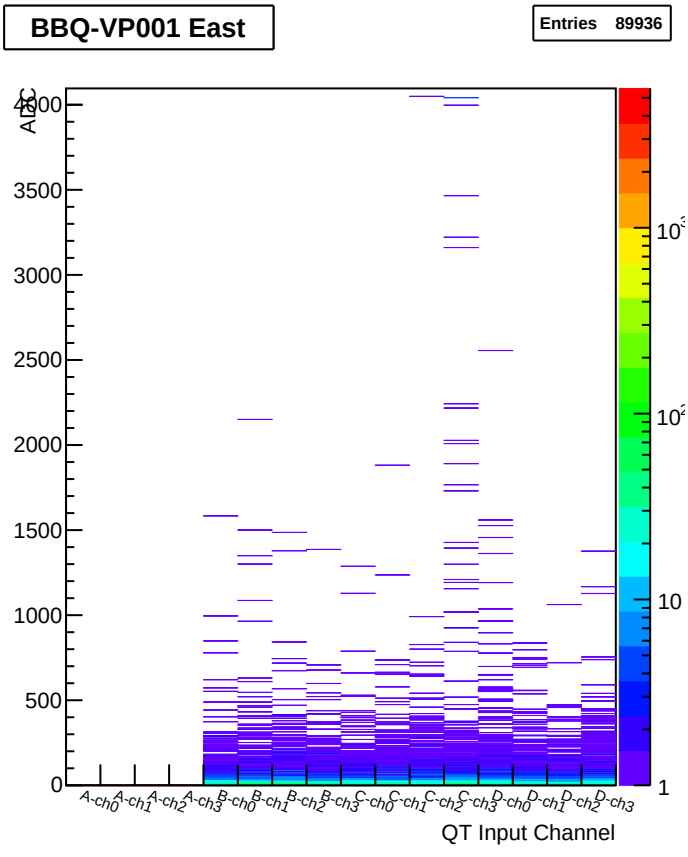

BBQ-BB001 (BBC east small tiles TAC)
Entries 89936
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

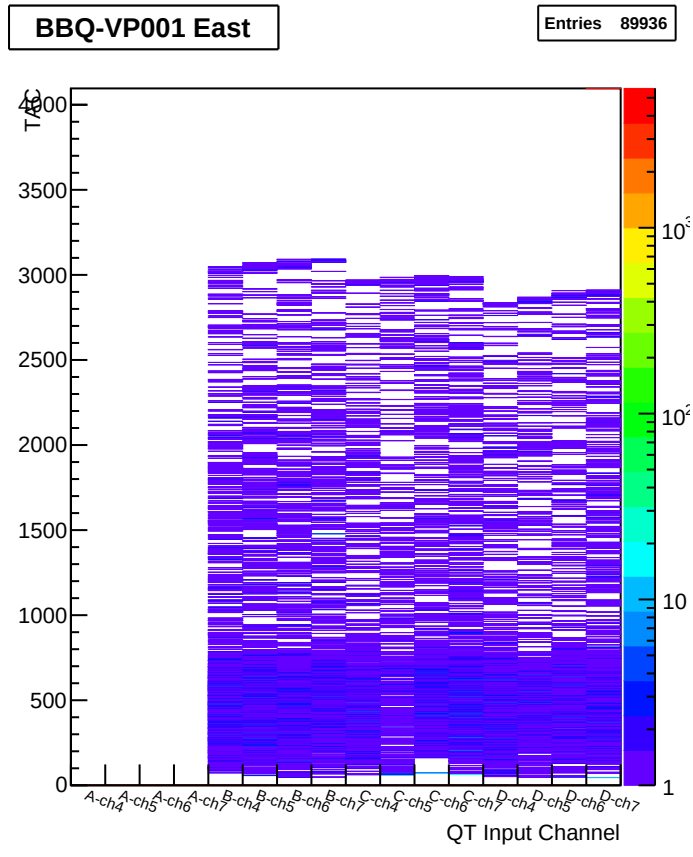

BBQ-BB002 (BBC west small tiles ADC)
Entries 89936
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

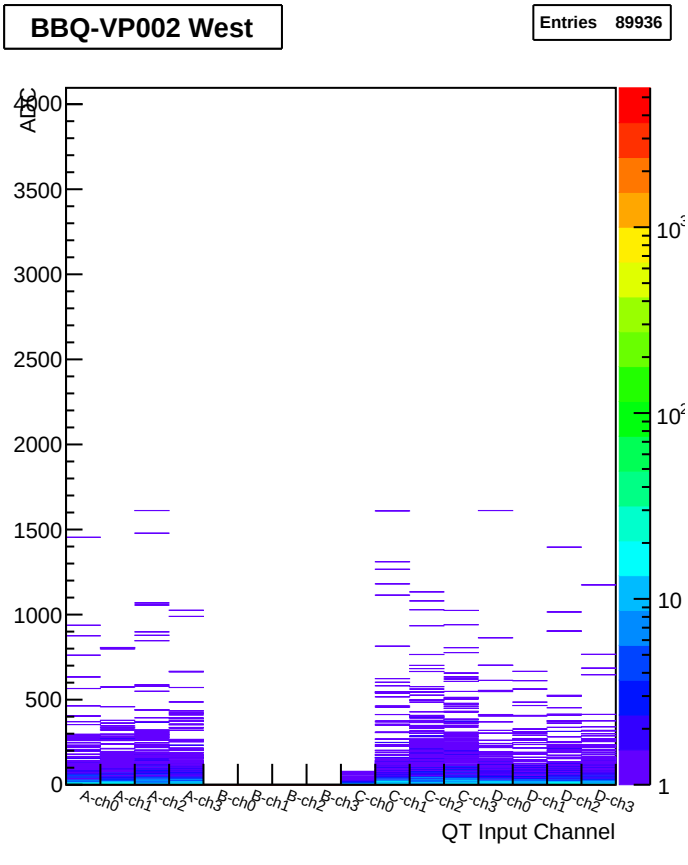

BBQ-BB002 (BBC west small tiles TAC)
Entries 89936
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

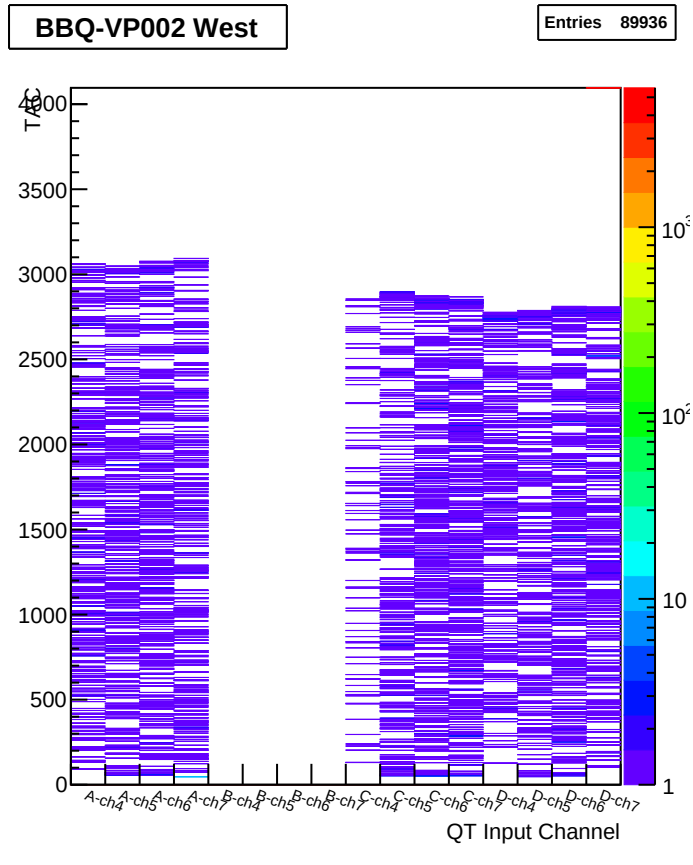

BBQ-ZD001 (ZDC TOWER)
Entries 89936
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

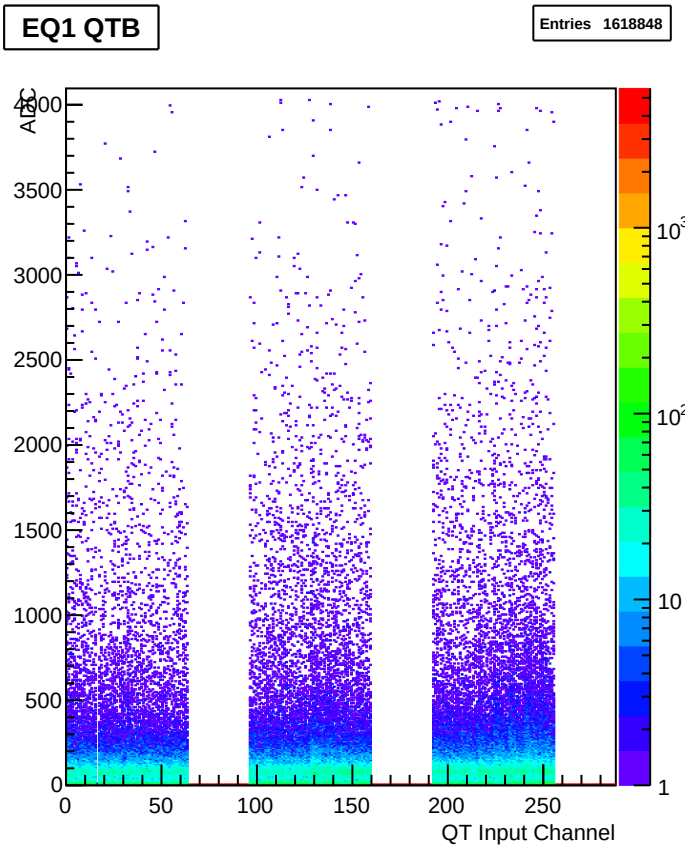

BBQ-ZD001 (ZDC TOWER)
Entries 89936
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

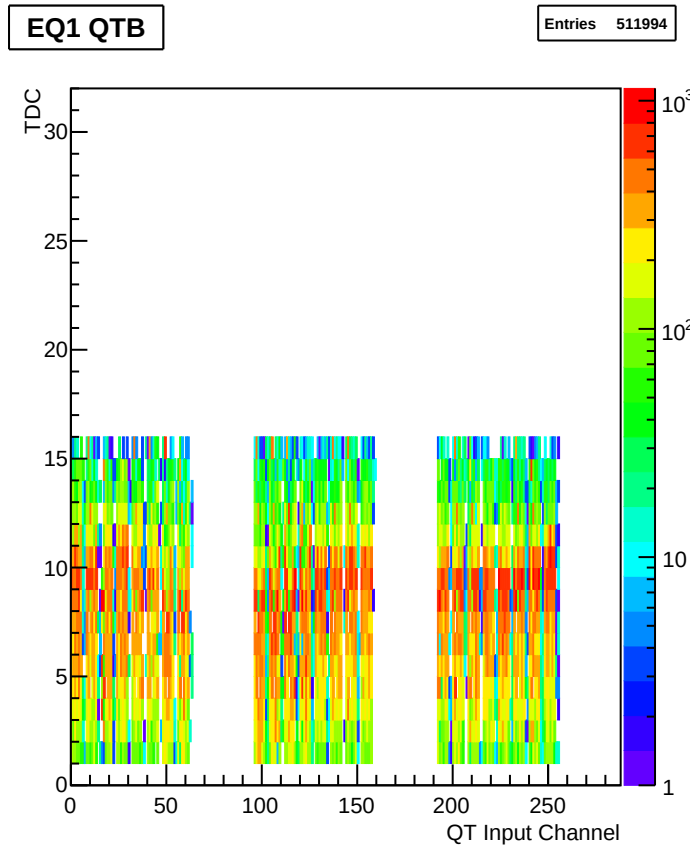

BBQ-VP001 East
Entries 89936
ADC
QT Input Channel

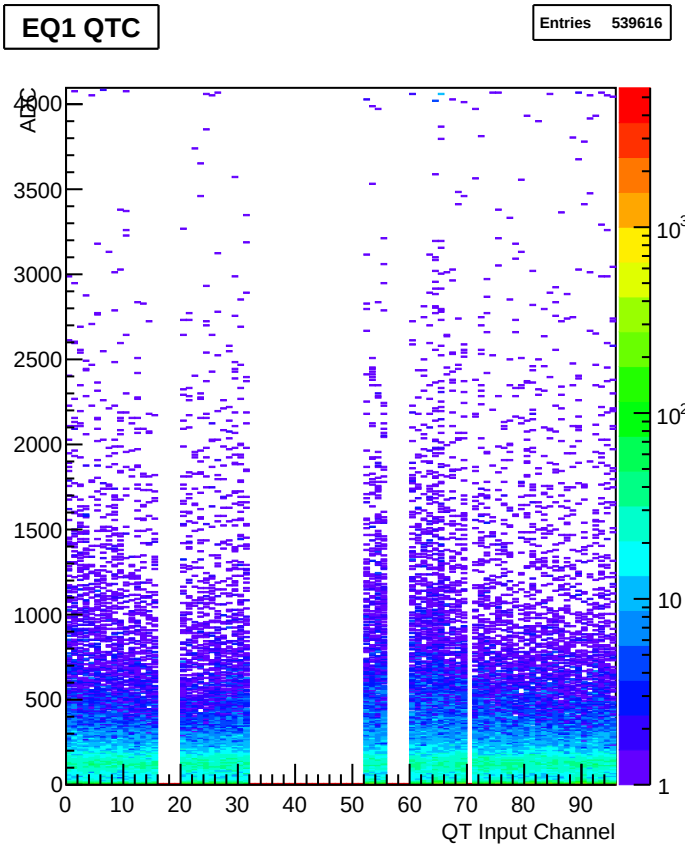

BBQ-VP001 East
Entries 89936
TADC
QT Input Channel

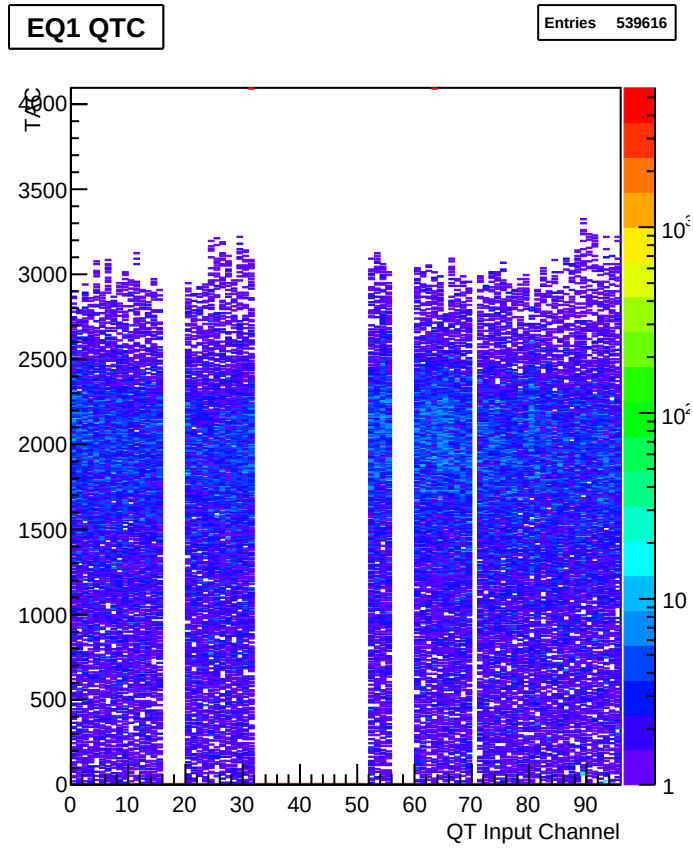

BBQ-VP002 West
Entries 89936
ADC
QT Input Channel

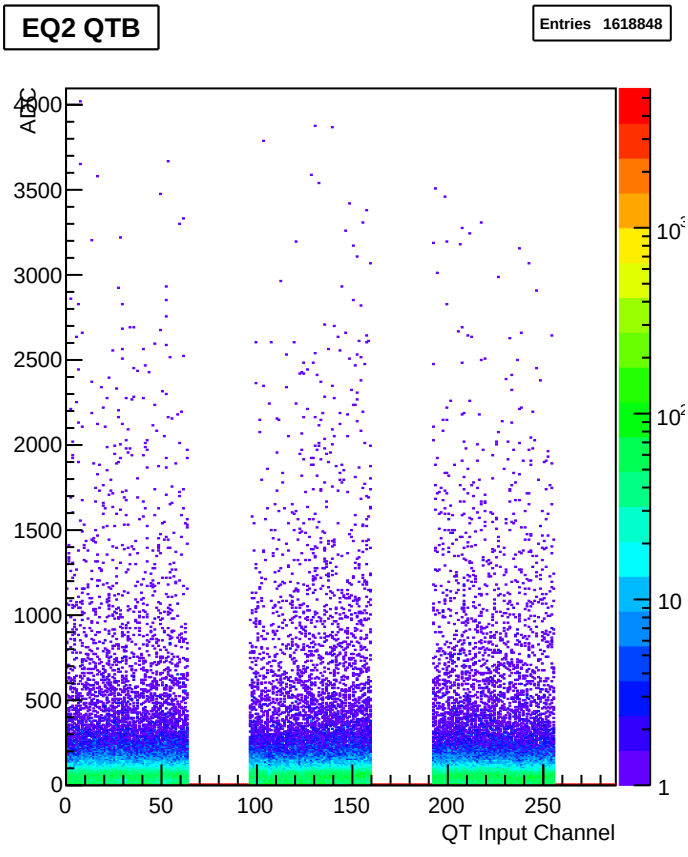

BBQ-VP002 West
Entries 89936
TADC
QT Input Channel

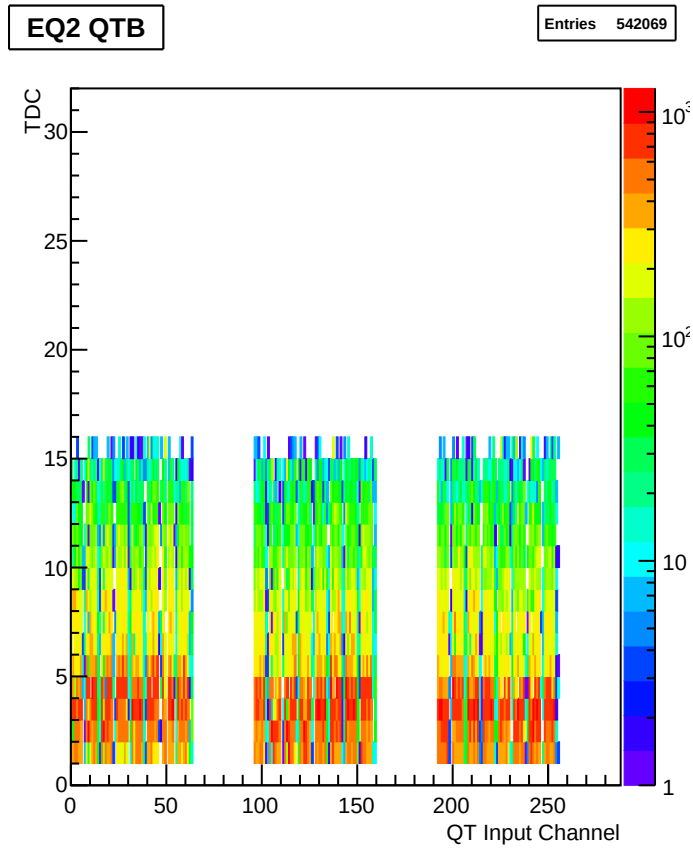

EQ1 QTB
Entries 1618848
ADC
QT Input Channel

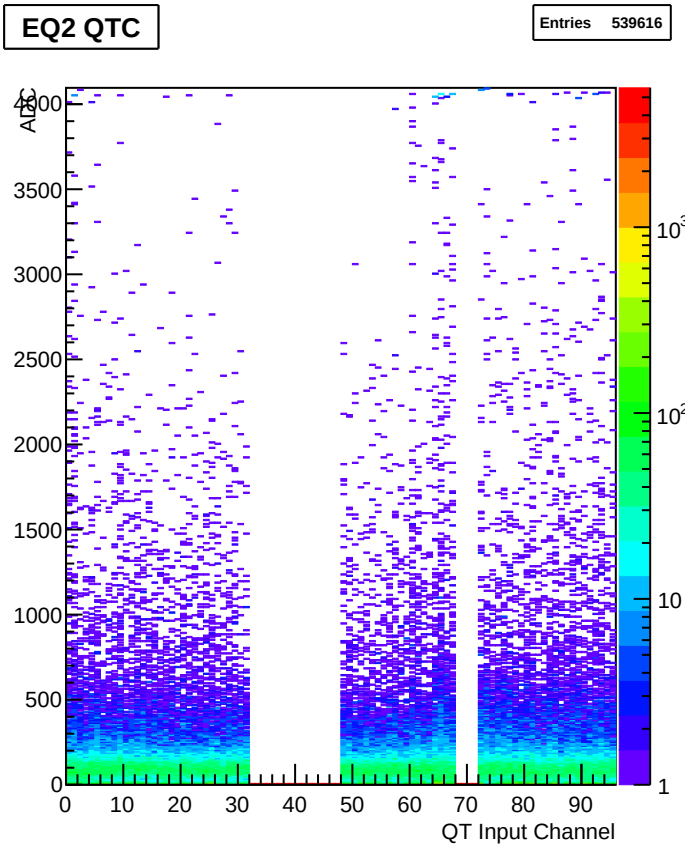

EQ1 QTB
Entries 511994
TDC
QT Input Channel

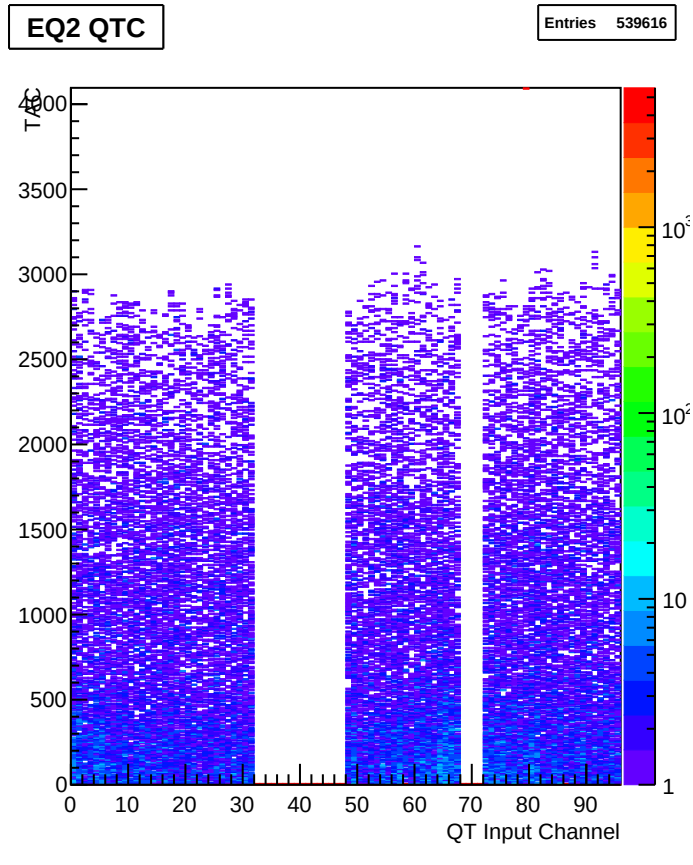

EQ1 QTC
Entries 539616
ADC
QT Input Channel

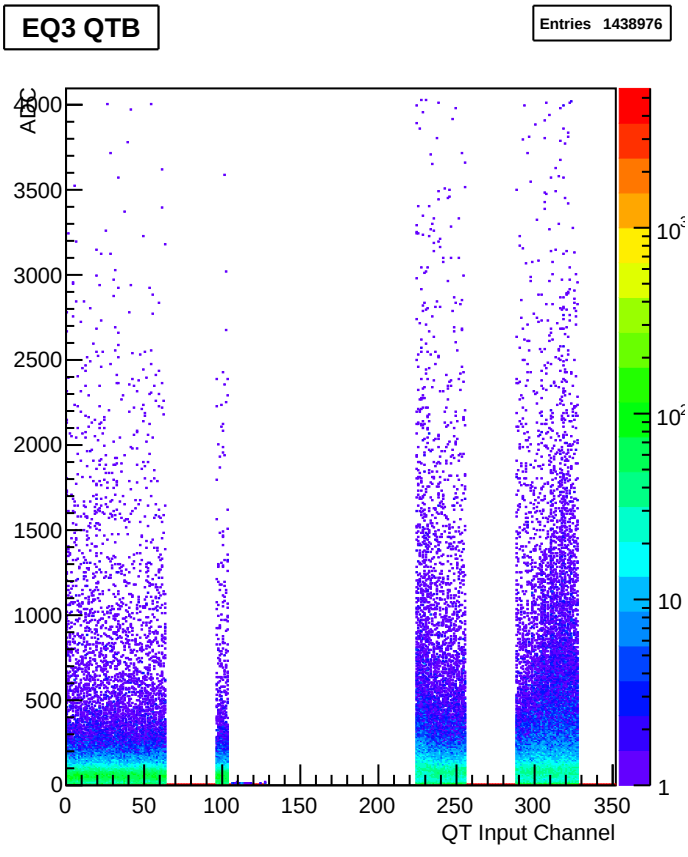

EQ1 QTC
Entries 539616
TADC
QT Input Channel

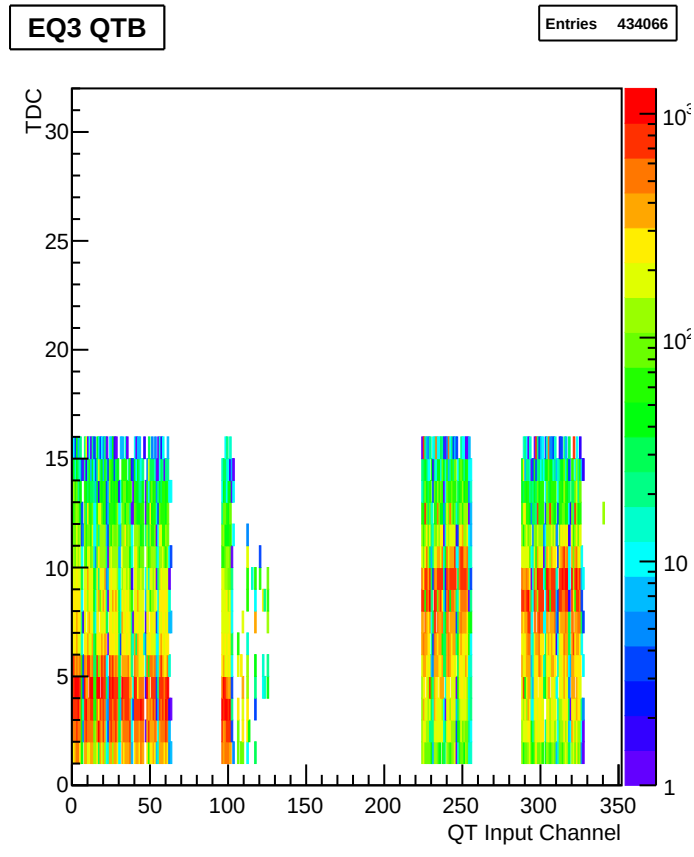

EQ2 QTB
Entries 1618848
ADC
QT Input Channel

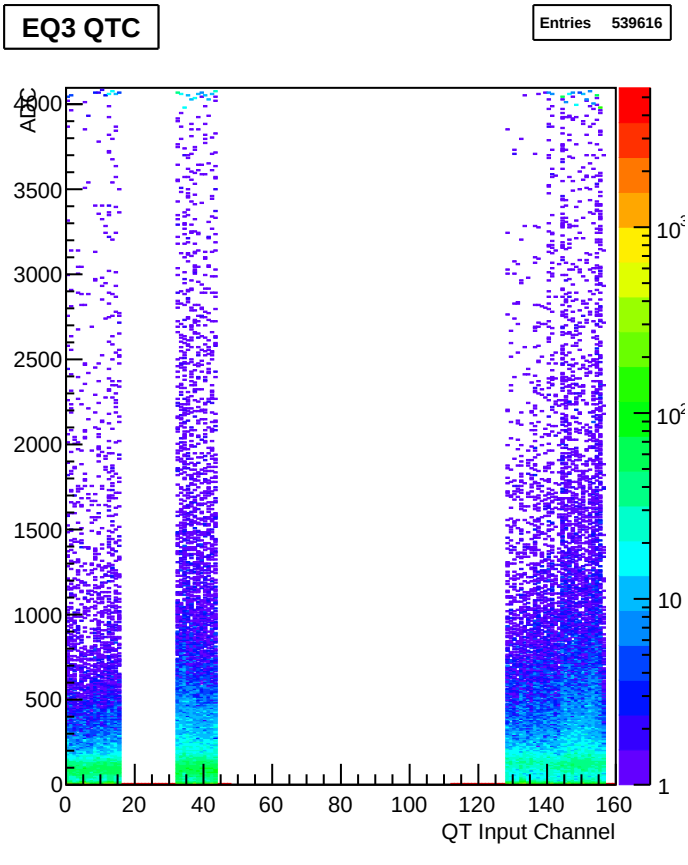

EQ2 QTB
Entries 542069
TDC
QT Input Channel

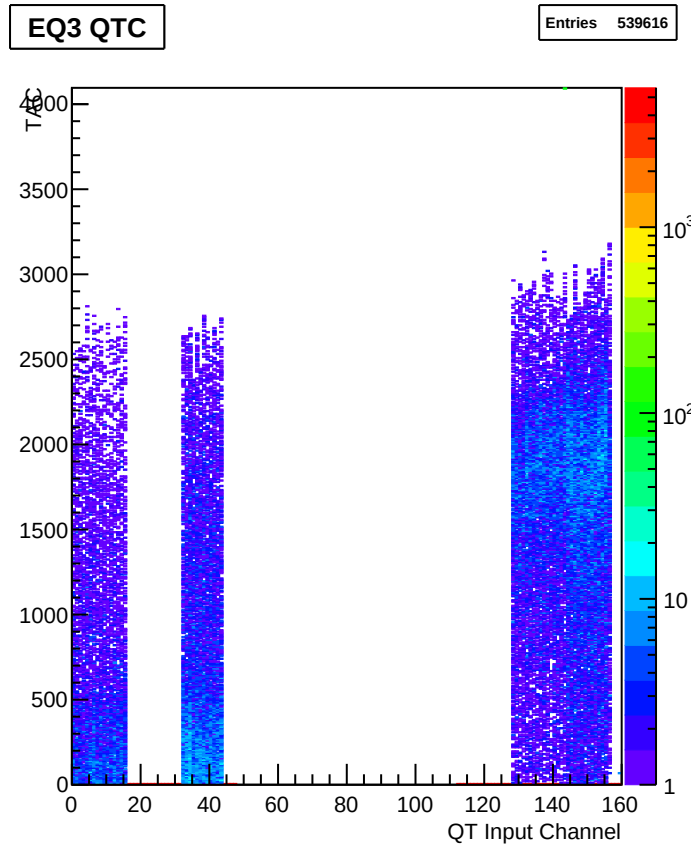

EQ2 QTC
Entries 539616
ADC
QT Input Channel

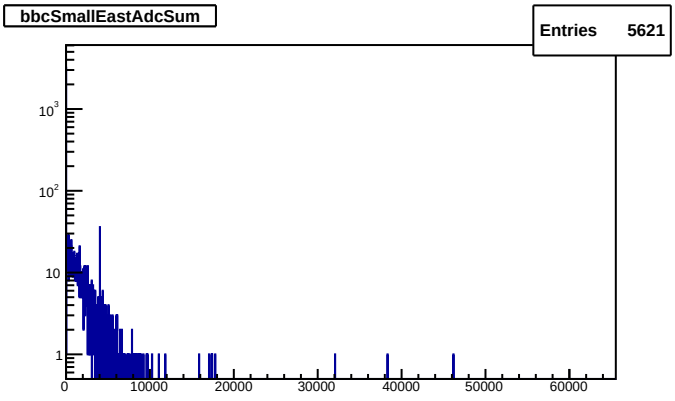

EQ2 QTC
Entries 539616
TADC
QT Input Channel

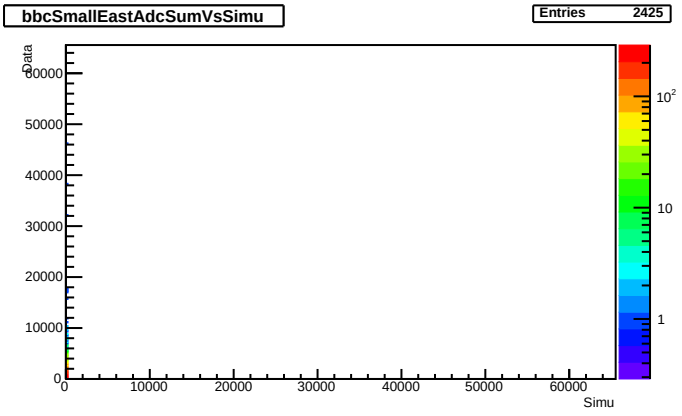

EQ3 QTB
Entries 1438976
ADC
QT Input Channel

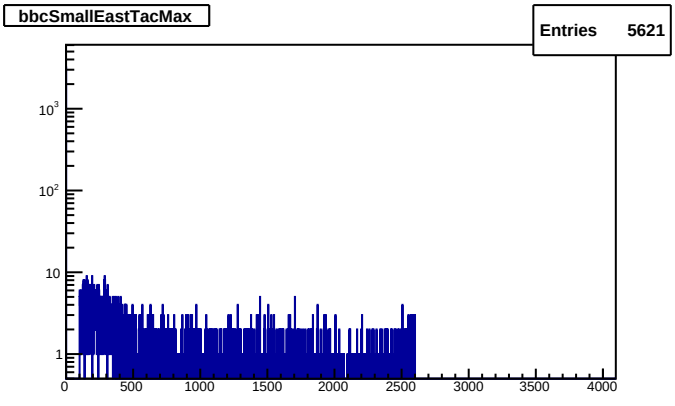

EQ3 QTB
Entries 434066
TDC
QT Input Channel

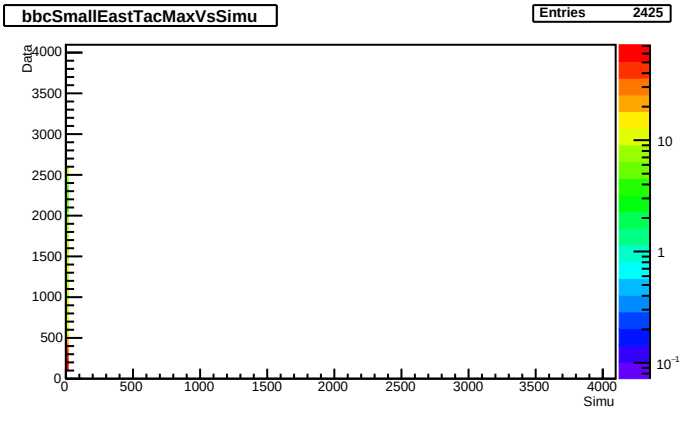

EQ3 QTC
Entries 539616
ADC
QT Input Channel

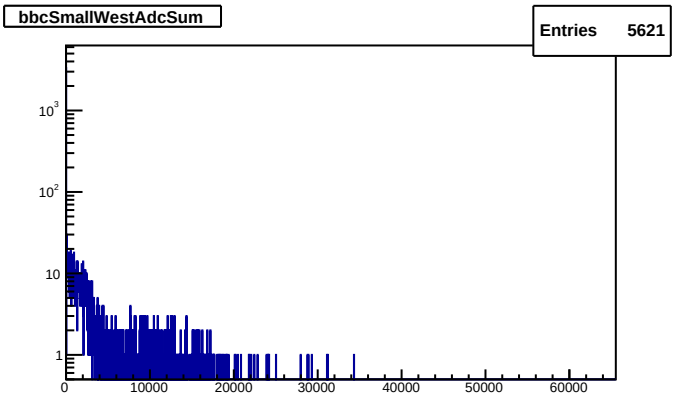

EQ3 QTC
Entries 539616
TADC
QT Input Channel

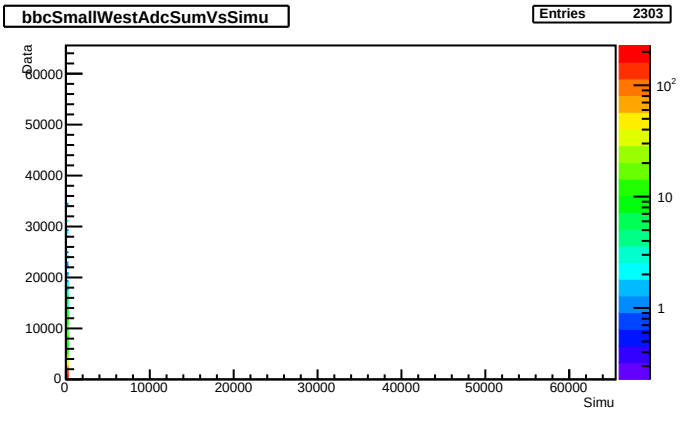

bbcSmallEastAdcSum
Entries 5621

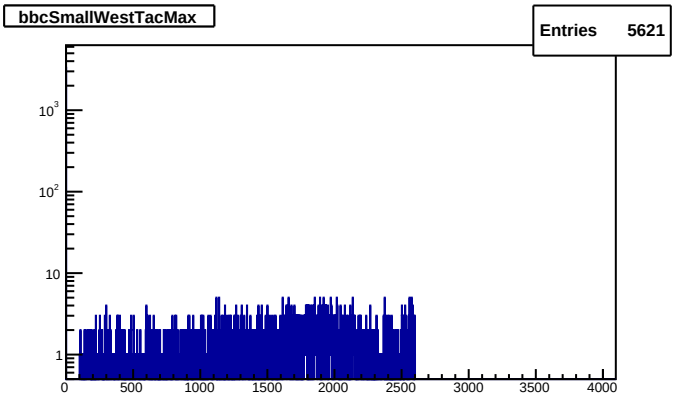

bbcSmallEastAdcSumVsSimu
Entries 2425
Data
Simu

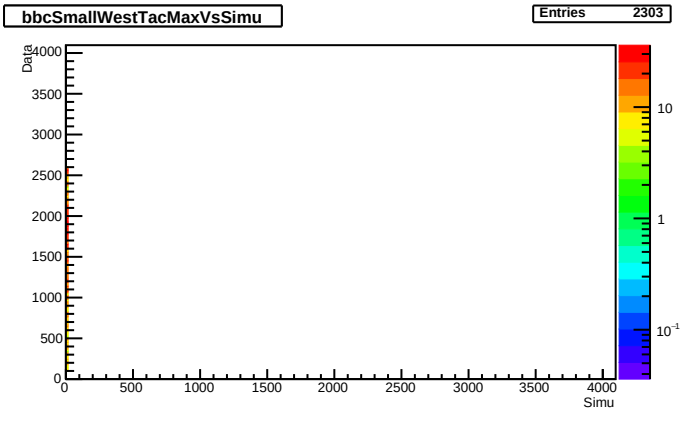

bbcSmallEastTacMax
Entries 5621

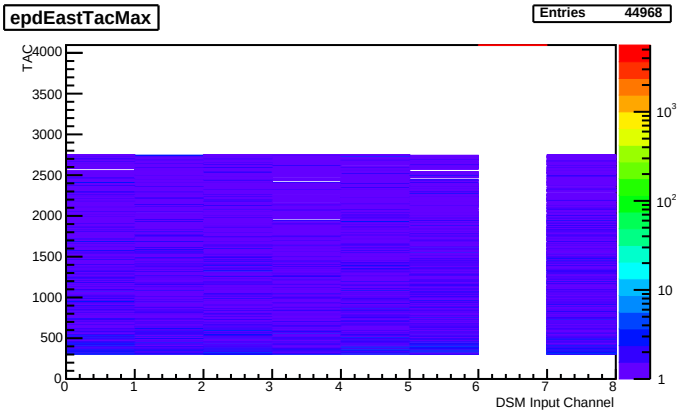

bbcSmallEastTacMaxVsSimu
Entries 2425
Data
Simu

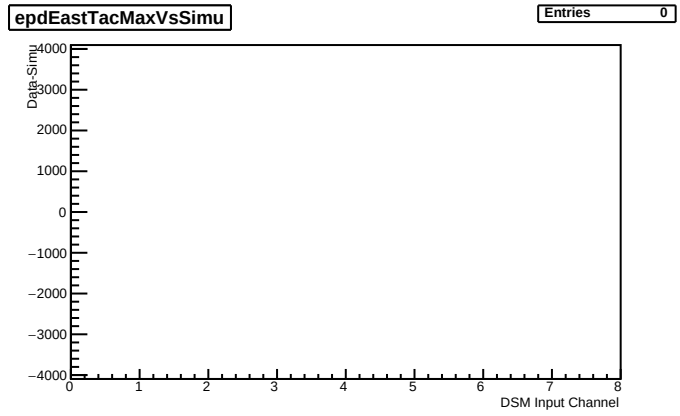

bbcSmallWestAdcSum
Entries 5621

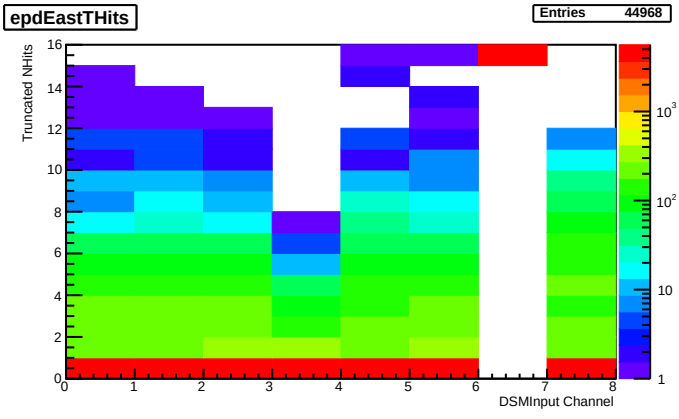

bbcSmallWestAdcSumVsSimu
Entries 2303
Data
Simu

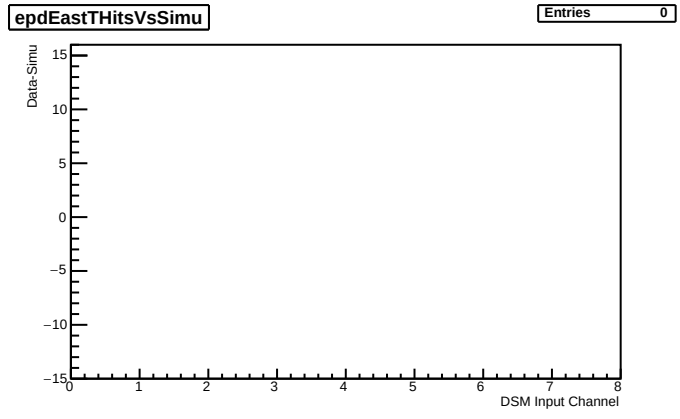

bbcSmallWestTacMax
Entries 5621

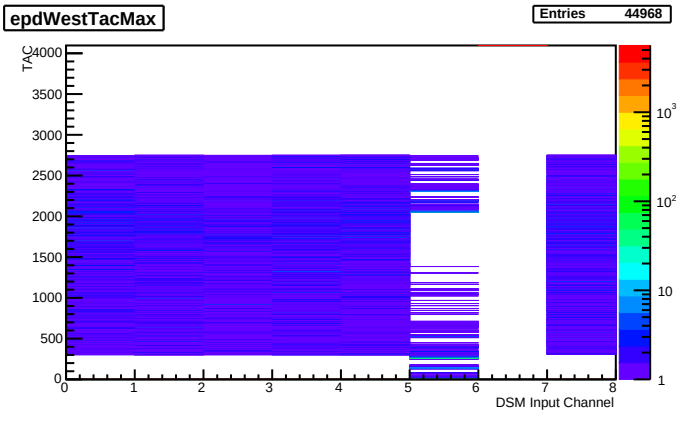

bbcSmallWestTacMaxVsSimu
Entries 2303
Data
Simu

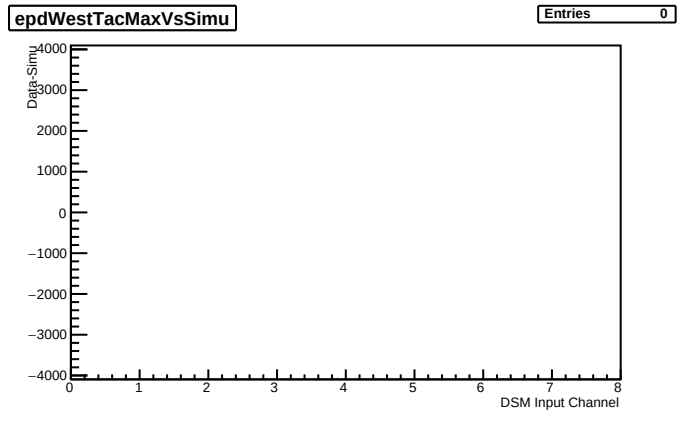

epdEastTacMax
Entries 44968
TAC
DSM Input Channel

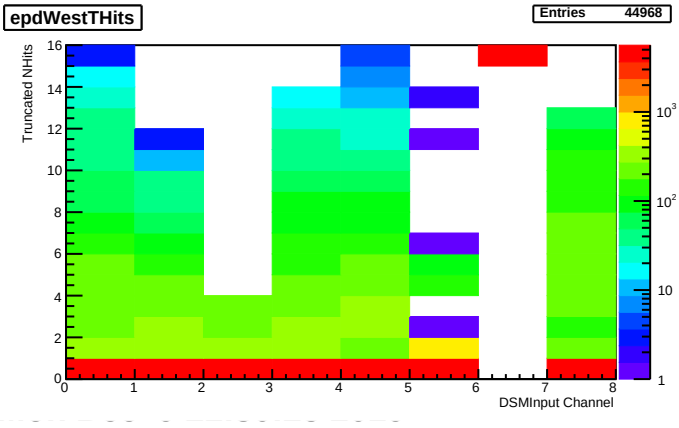

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

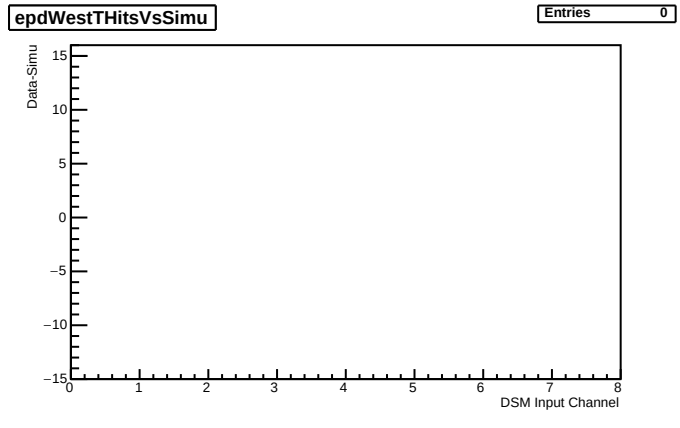

epdEastTHits
Entries 44968
Truncated NHits
DSMInput Channel

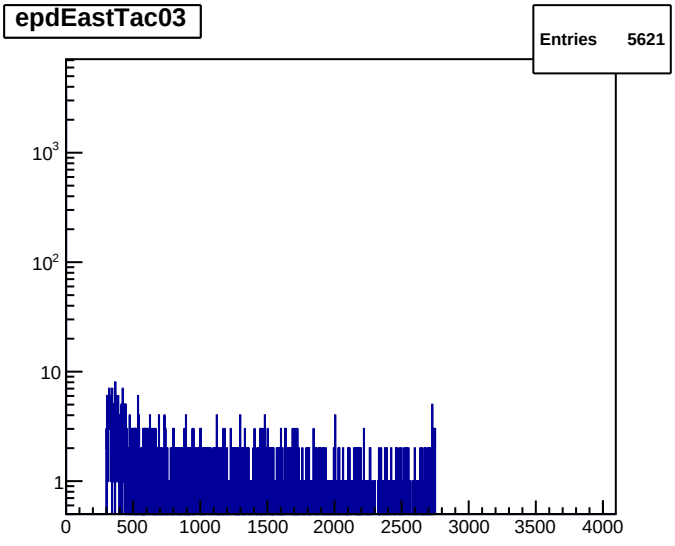

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

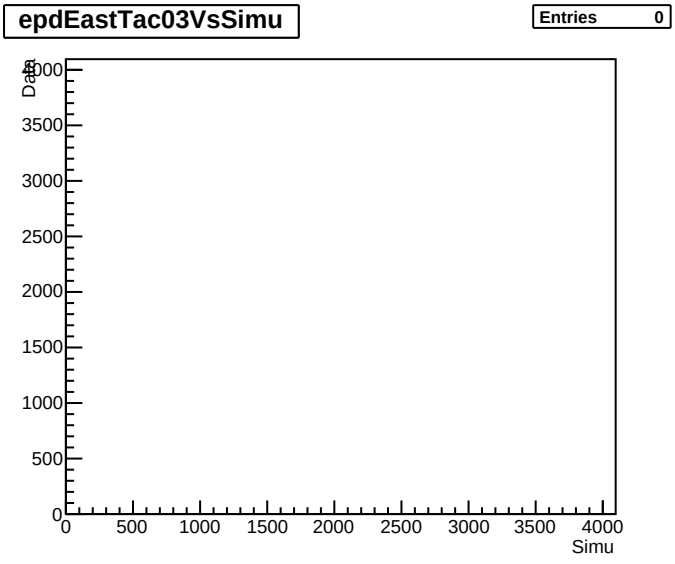

epdWestTacMax
Entries 44968
TAC
DSM Input Channel

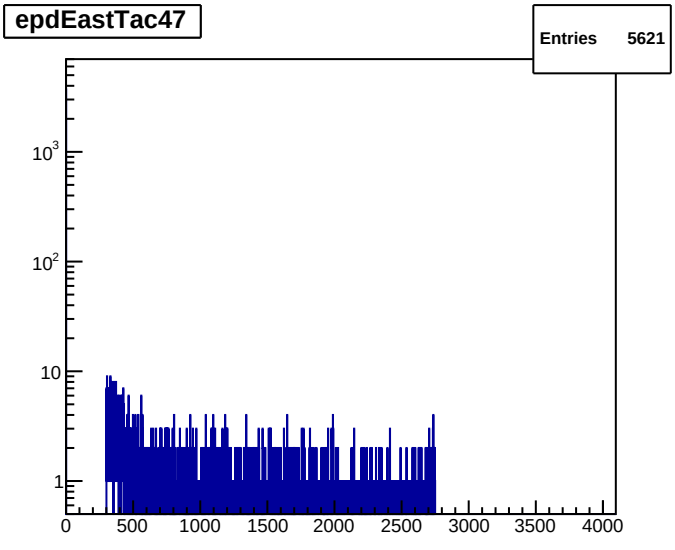

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

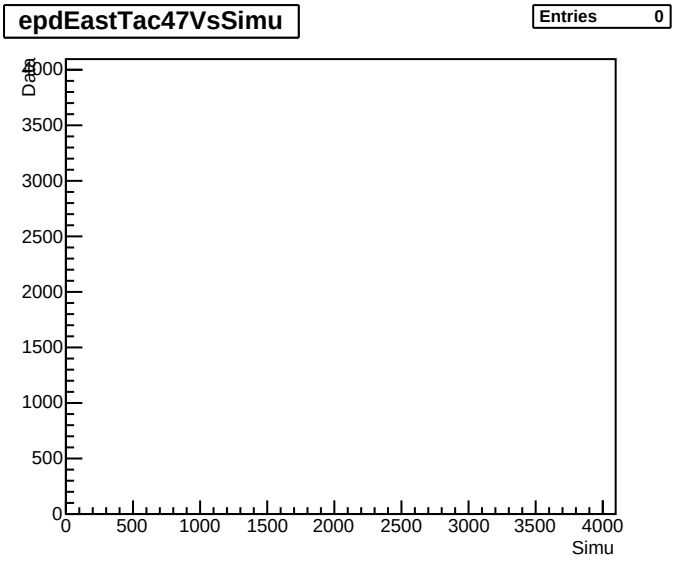

epdWestTHits
Entries 44968
Truncated NHits
DSMInput Channel

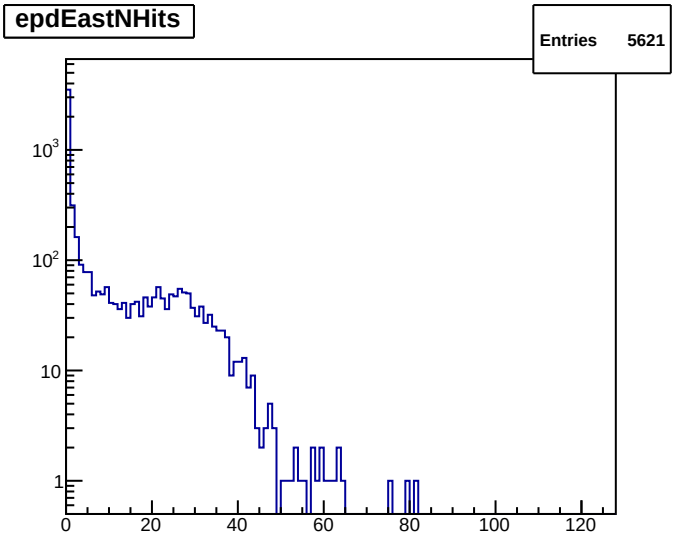

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

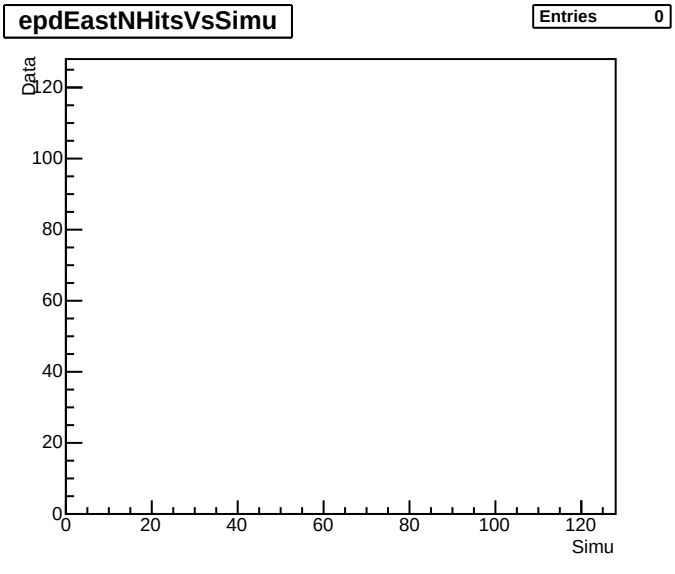

epdEastTac03
Entries 5621

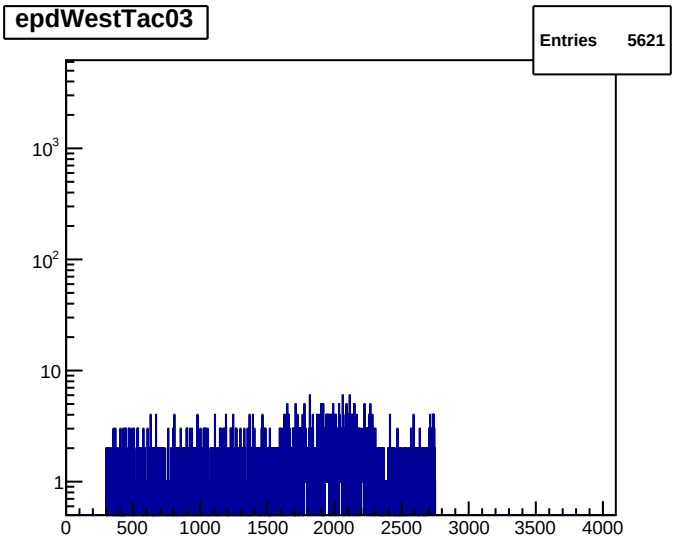

epdEastTac03VsSimu
Entries 0
Data
Simu

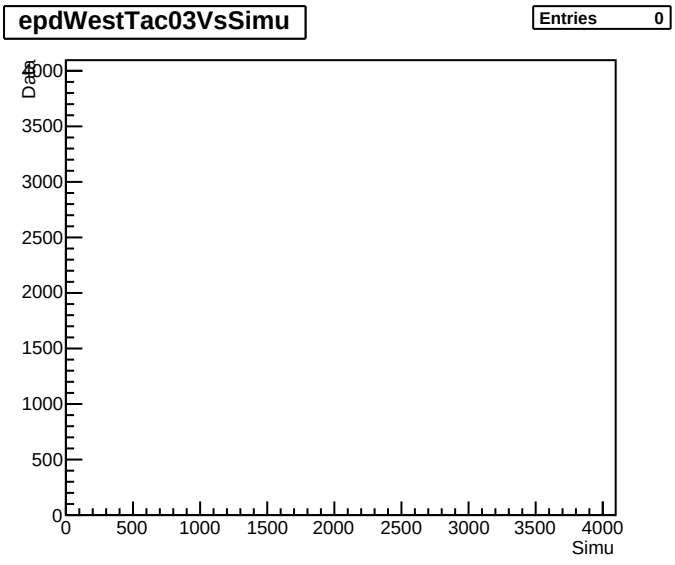

epdEastTac47
Entries 5621

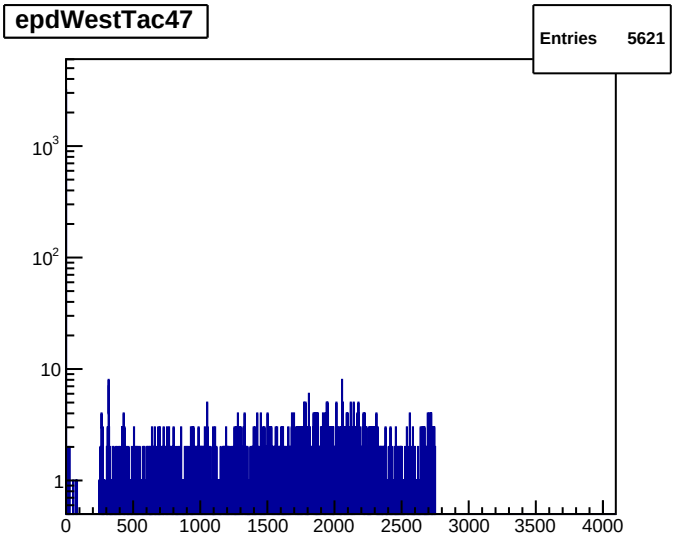

epdEastTac47VsSimu
Entries 0
Data
Simu

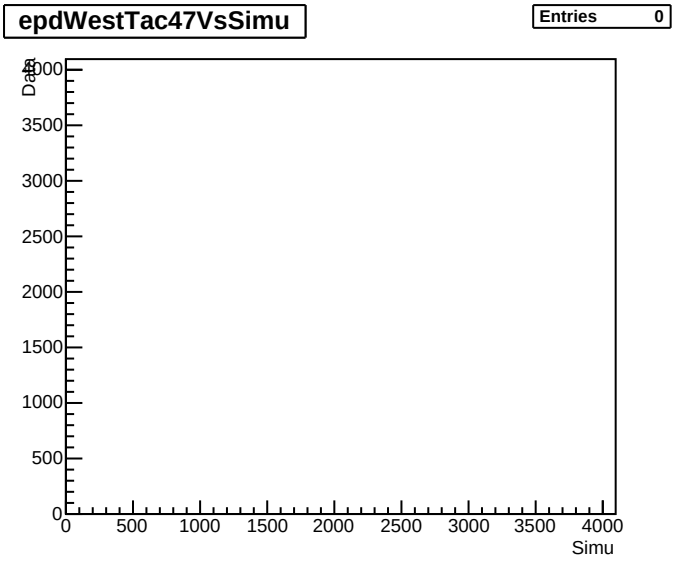

epdEastNHits
Entries 5621

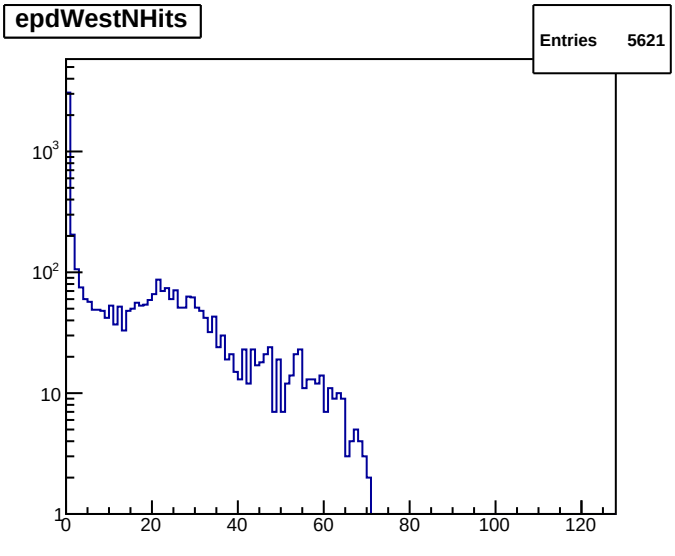

epdEastNHitsVsSimu
Entries 0
Data
Simu

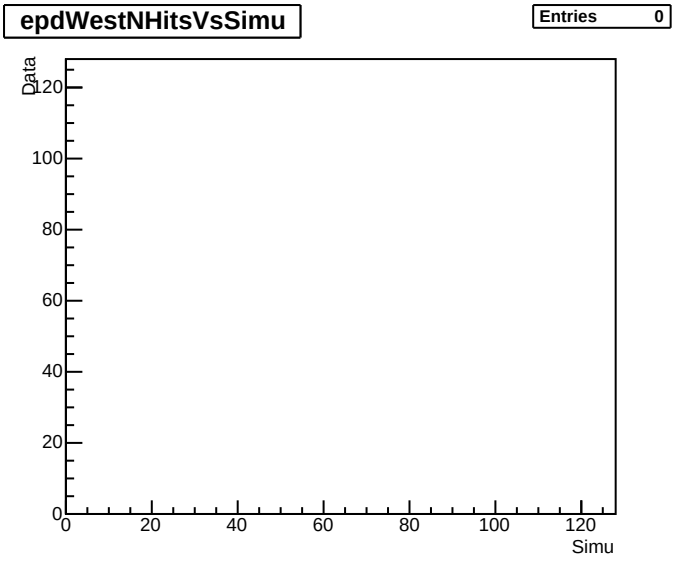

epdWestTac03
Entries 5621

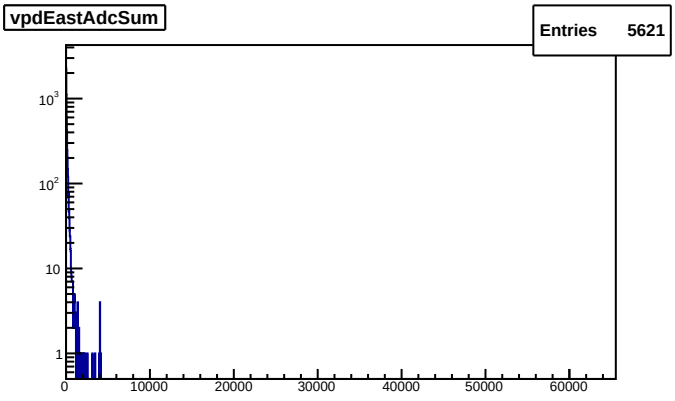

epdWestTac03VsSimu
Entries 0
Data
Simu

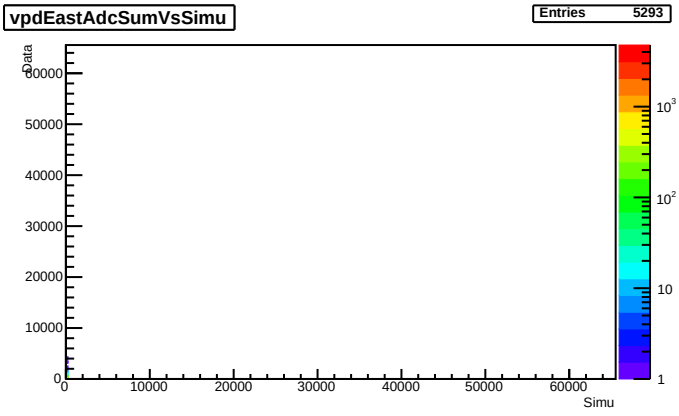

epdWestTac47
Entries 5621

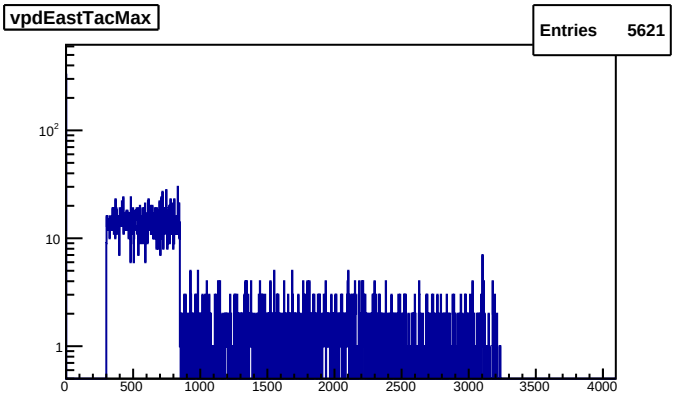

epdWestTac47VsSimu
Entries 0
Data
Simu

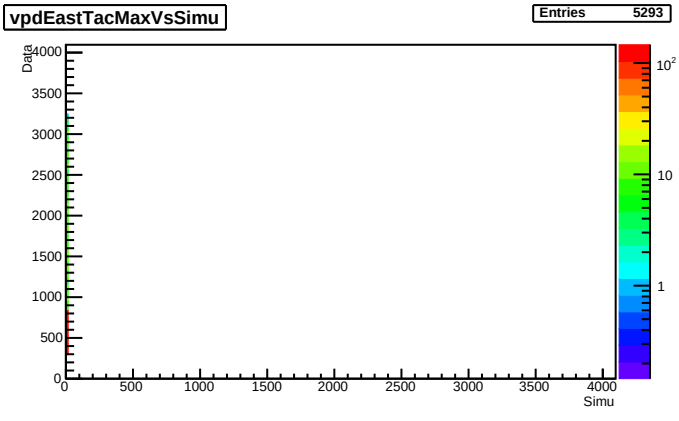

epdWestNHits
Entries 5621

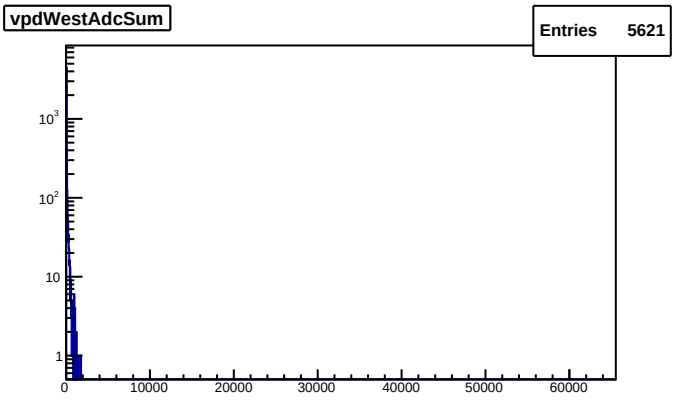

epdWestNHitsVsSimu
Entries 0
Data
Simu

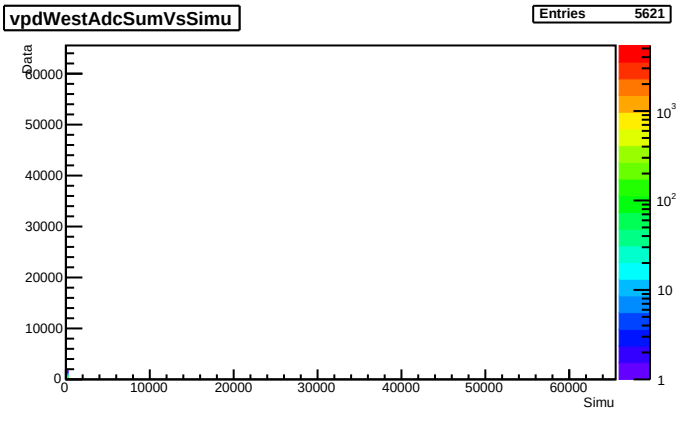

vpdEastAdcSum
Entries 5621

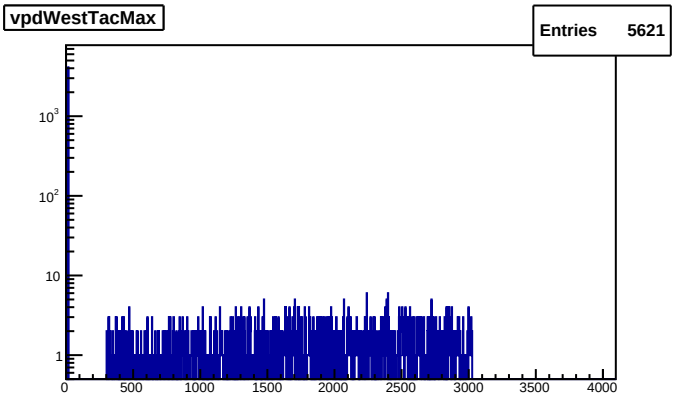

vpdEastAdcSumVsSimu
Entries 5293
Data
Simu

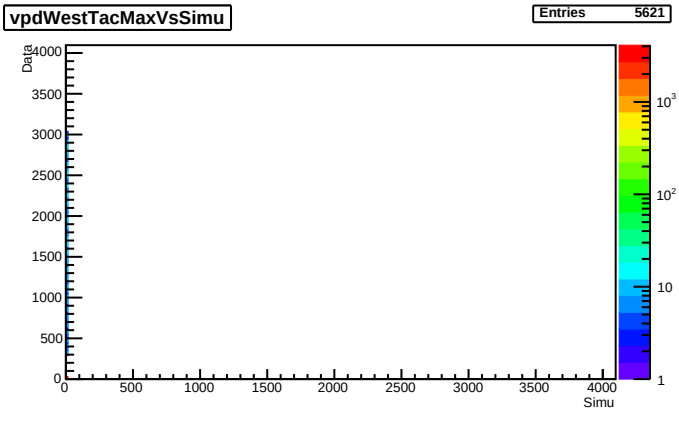

vpdEastTacMax
Entries 5621

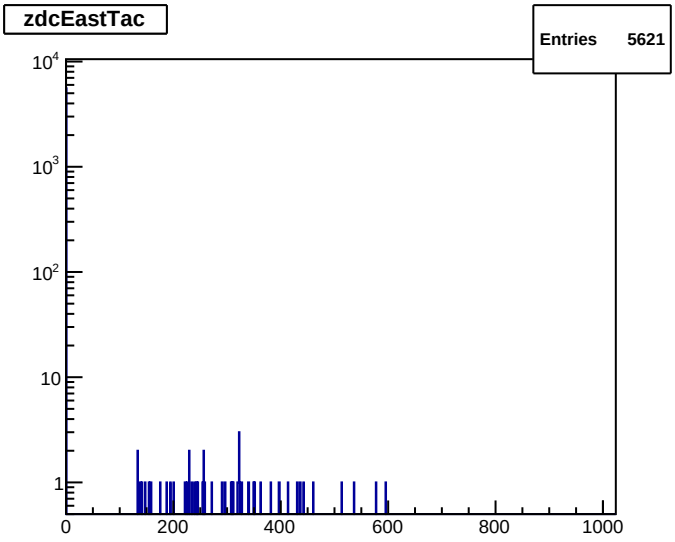

vpdEastTacMaxVsSimu
Entries 5293
Data
Simu

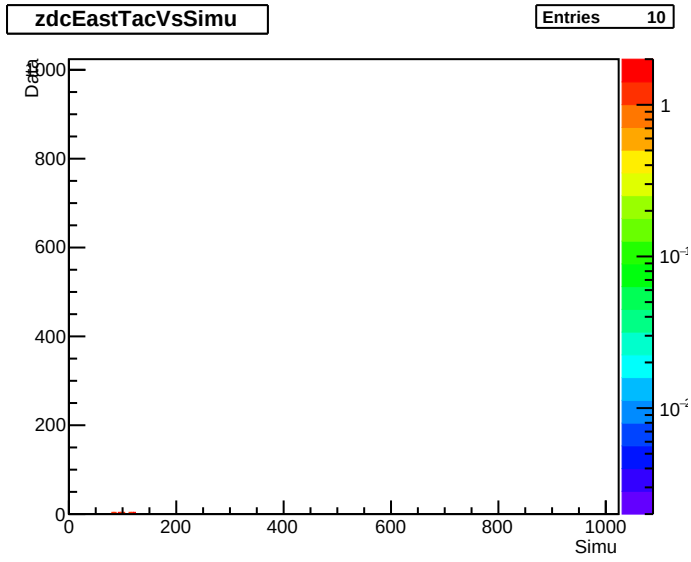

vpdWestAdcSum
Entries 5621

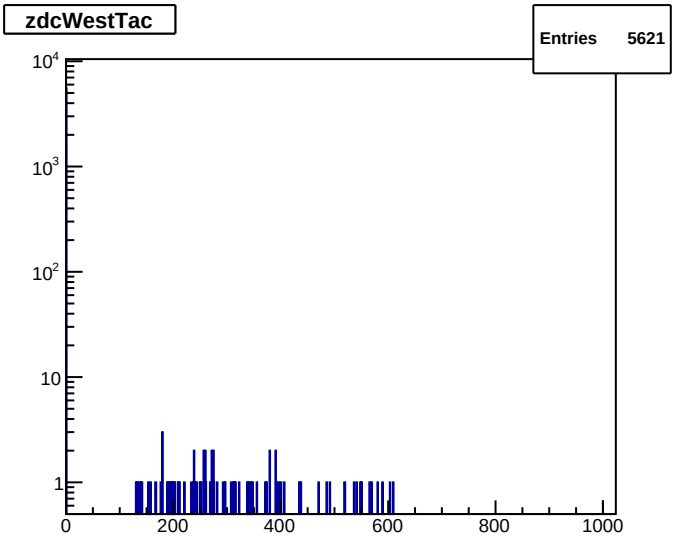

vpdWestAdcSumVsSimu
Entries 5621
Data
Simu

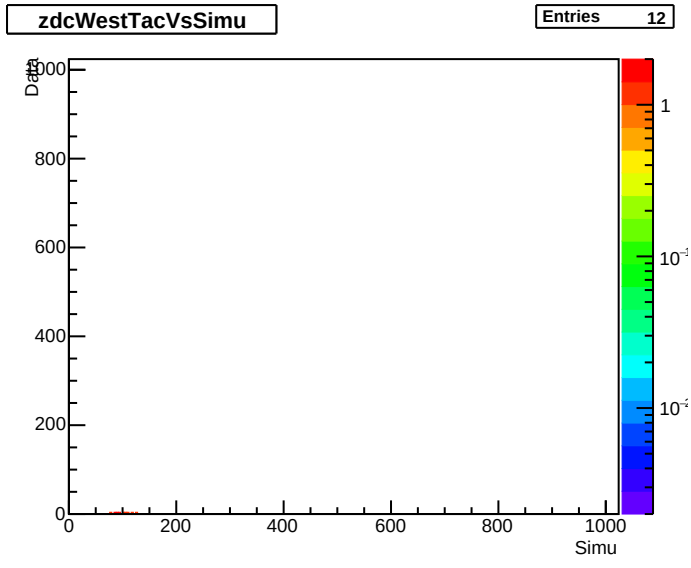

vpdWestTacMax
Entries 5621

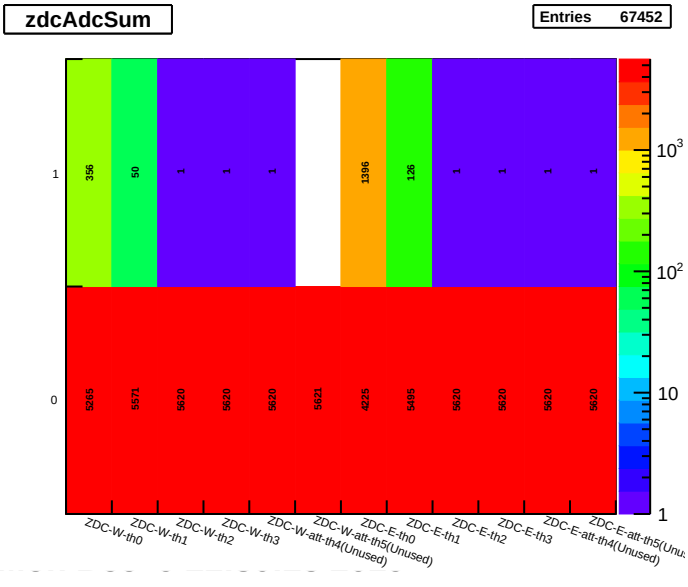

vpdWestTacMaxVsSimu
Entries 5621
Data
Simu

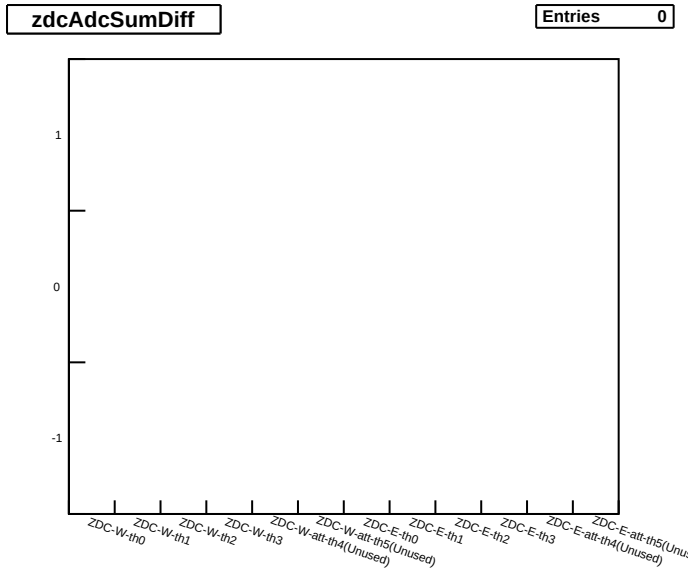

zdcEastTac
Entries 5621

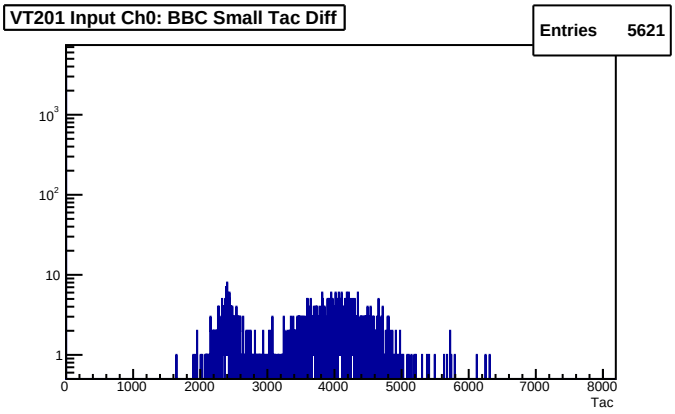

zdcEastTacVsSimu
Entries 10
Data
Simu

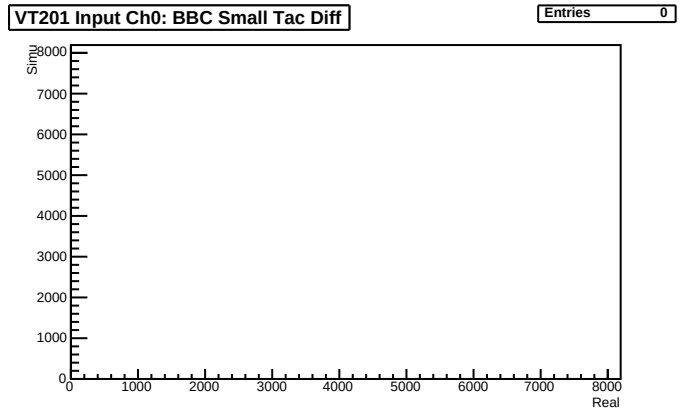

zdcWestTac
Entries 5621

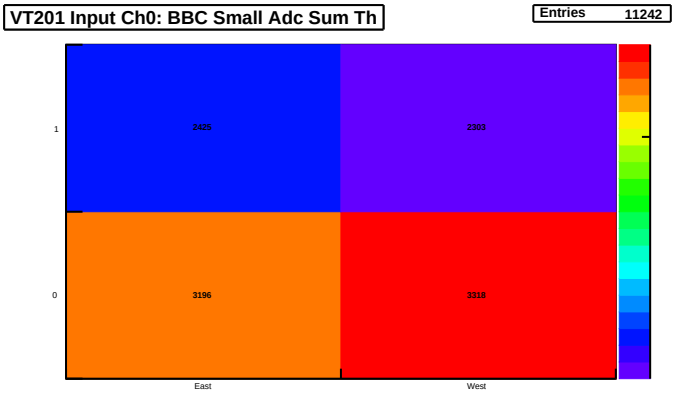

zdcWestTacVsSimu
Entries 12
Data
Simu

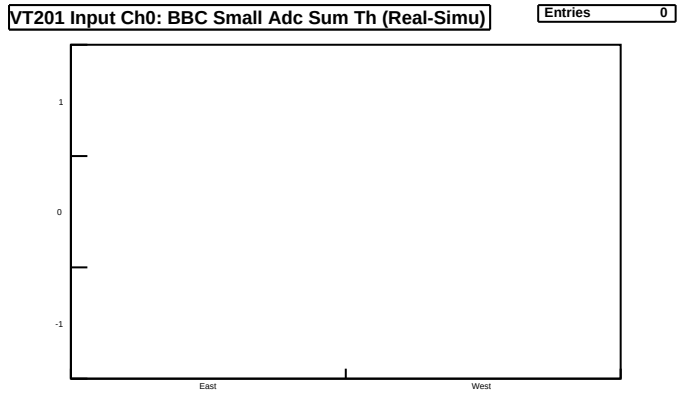

zdcAdcSum
Entries 67452
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

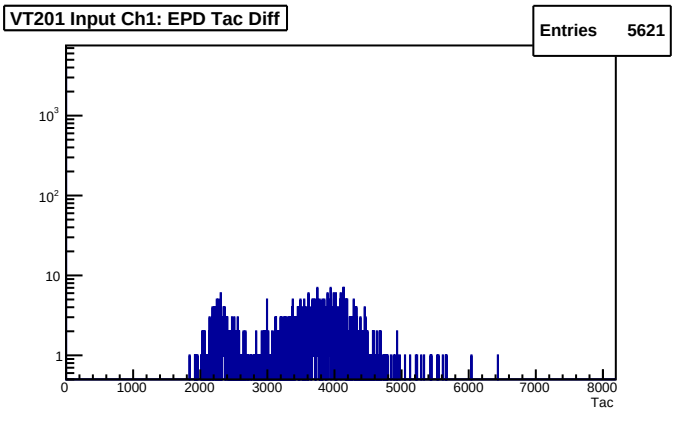

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

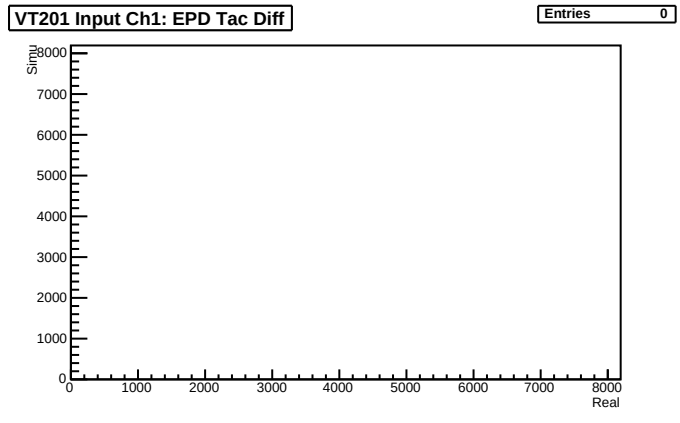

VT201 Input Ch0: BBC Small Tac Diff
Entries 5621
Tac

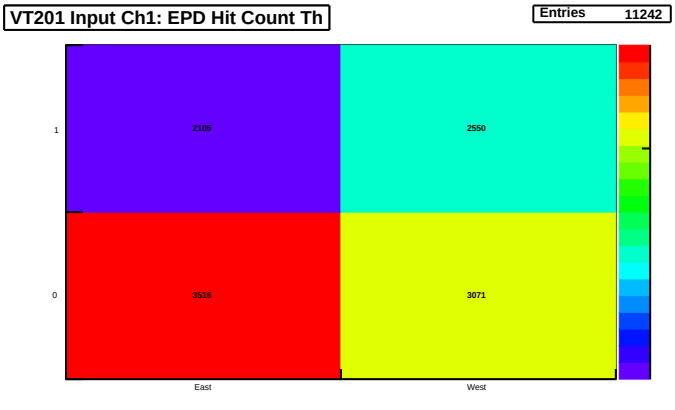

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

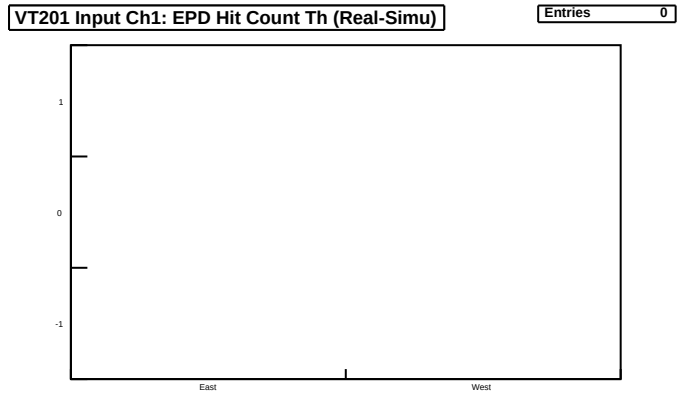

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 11242
2425
2303
3196
3318
East
West

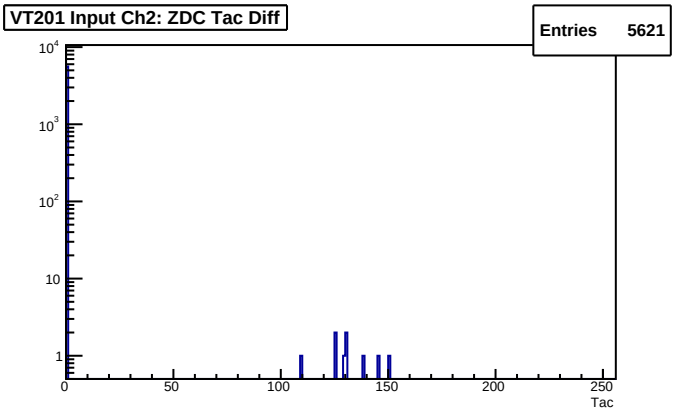

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

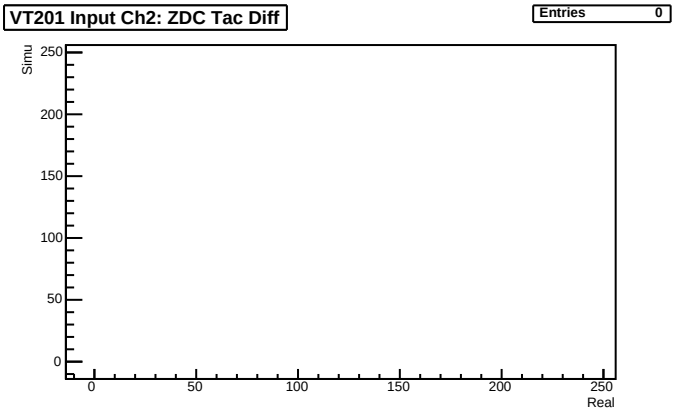

VT201 Input Ch1: EPD Tac Diff
Entries 5621
Tac

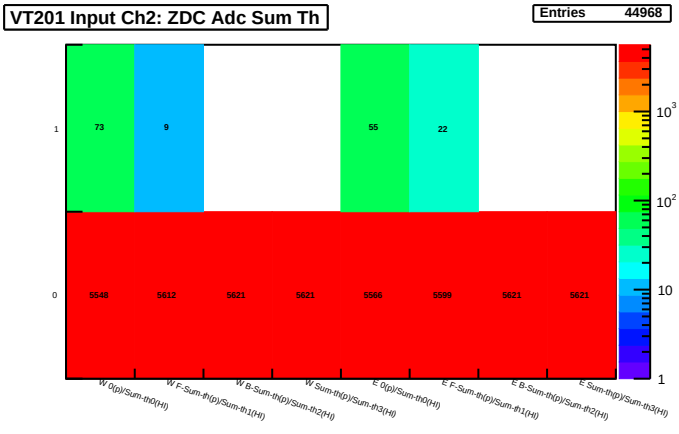

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

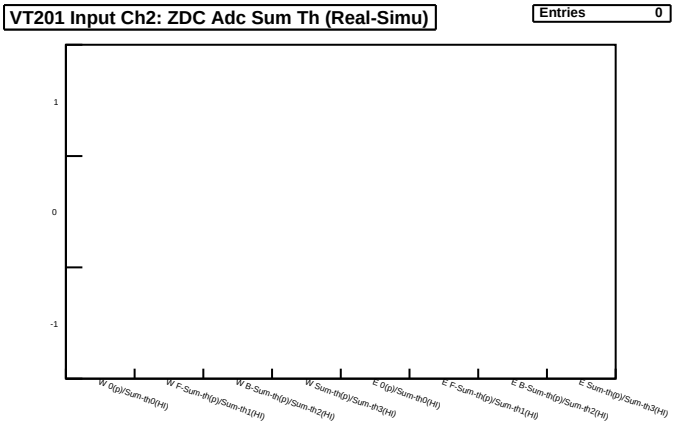

VT201 Input Ch1: EPD Hit Count Th
Entries 11242
2105
2550
3516
3071
East
West

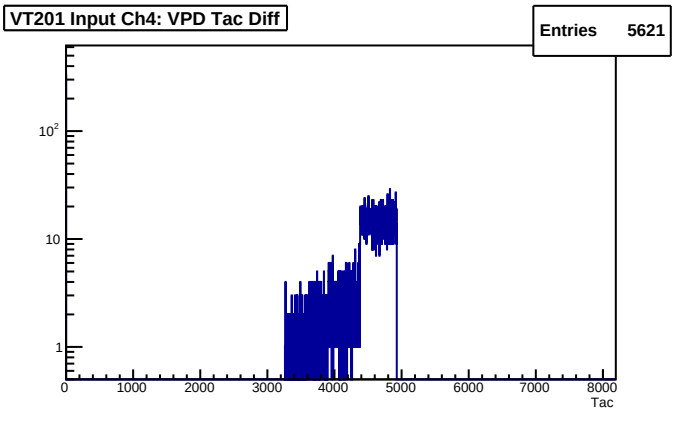

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

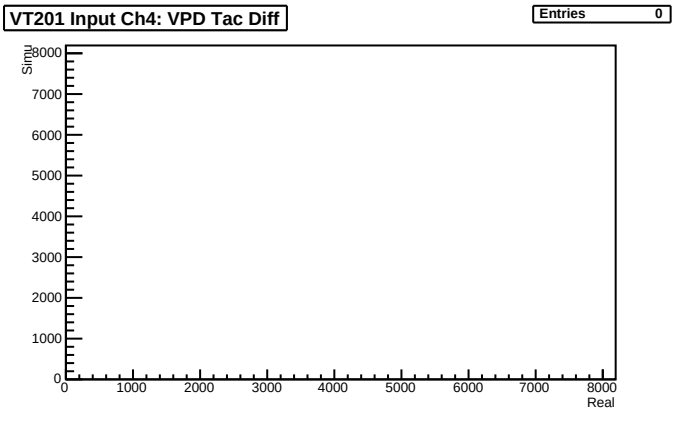

VT201 Input Ch2: ZDC Tac Diff
Entries 5621
Tac

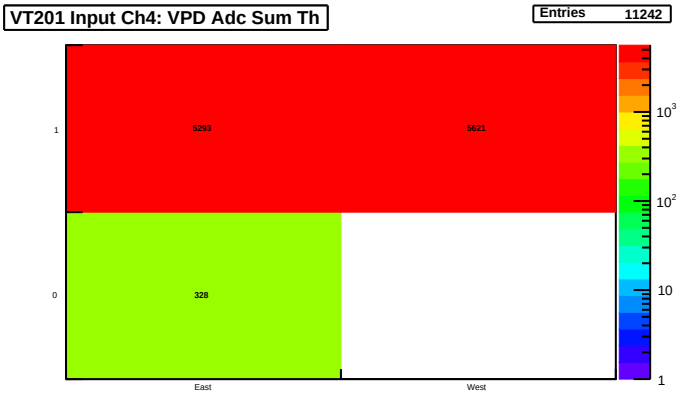

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

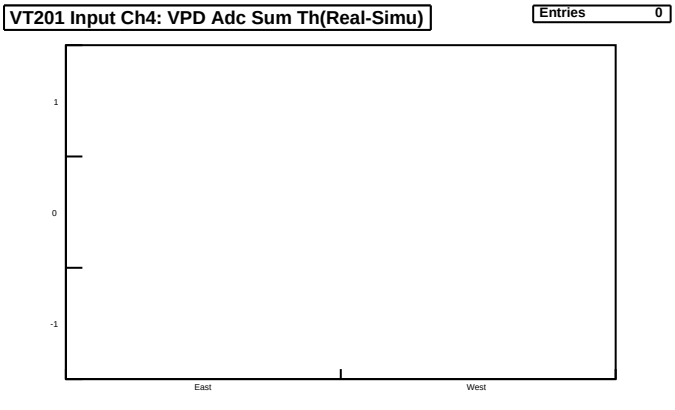

VT201 Input Ch2: ZDC Adc Sum Th
Entries 44968
73
9
55
22
5548
5612
5621
5621
5566
5599
5621
5621
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

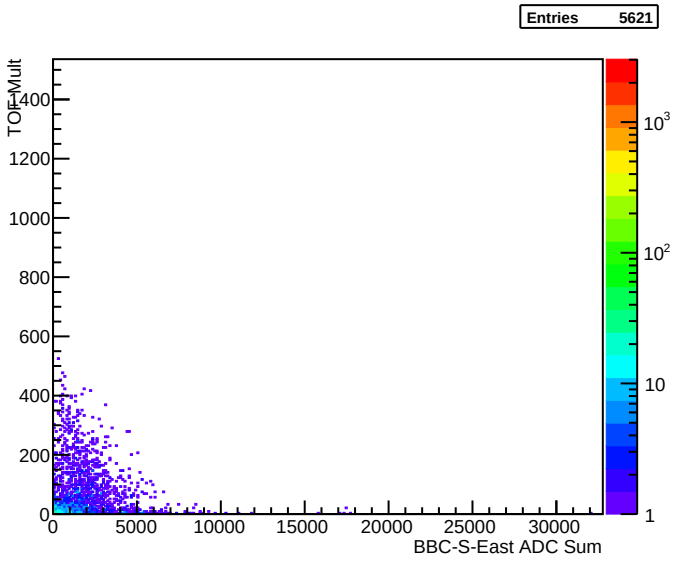

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

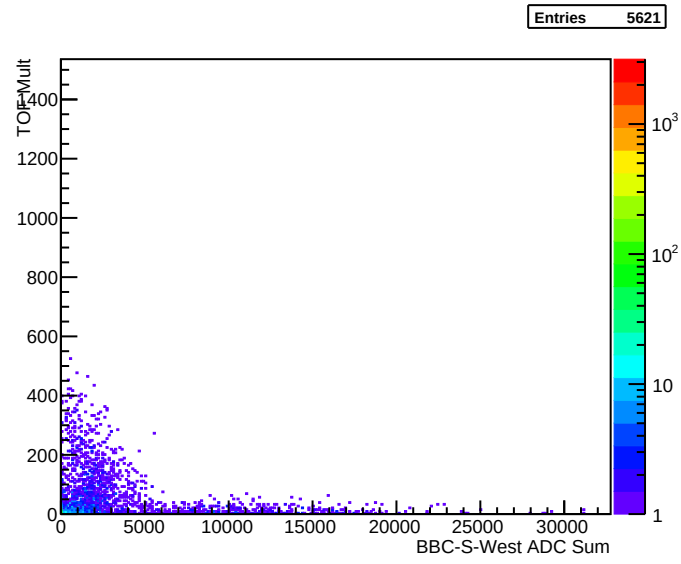

VT201 Input Ch4: VPD Tac Diff
Entries 5621
Tac

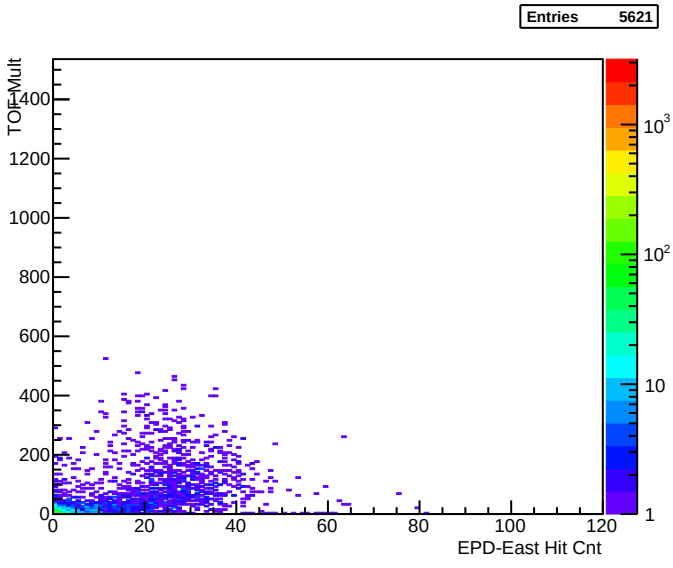

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

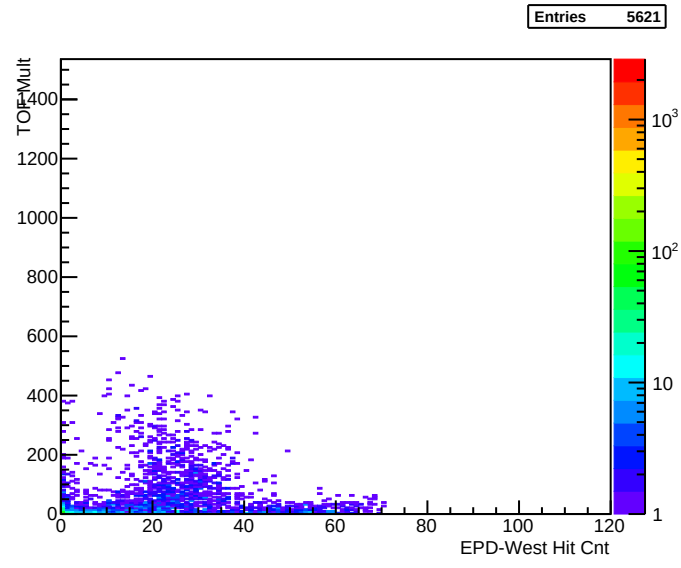

VT201 Input Ch4: VPD Adc Sum Th
Entries 11242
5293
5621
328
East
West

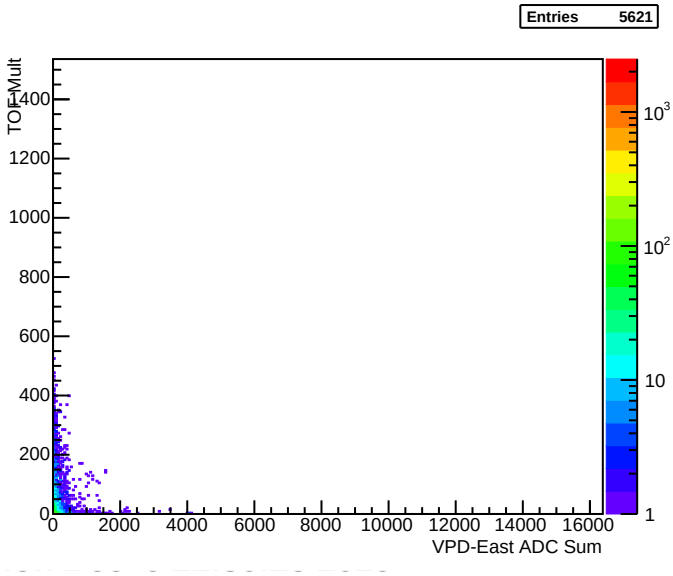

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

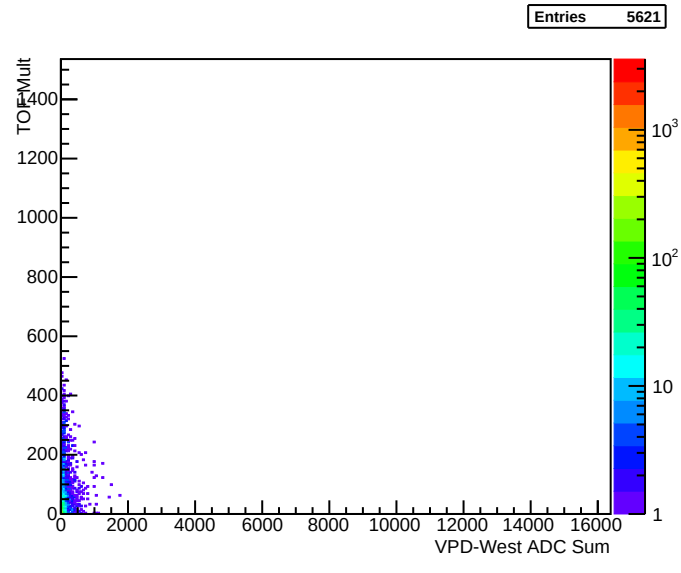

Entries 5621
TOF-Mult
BBC-S-East ADC Sum

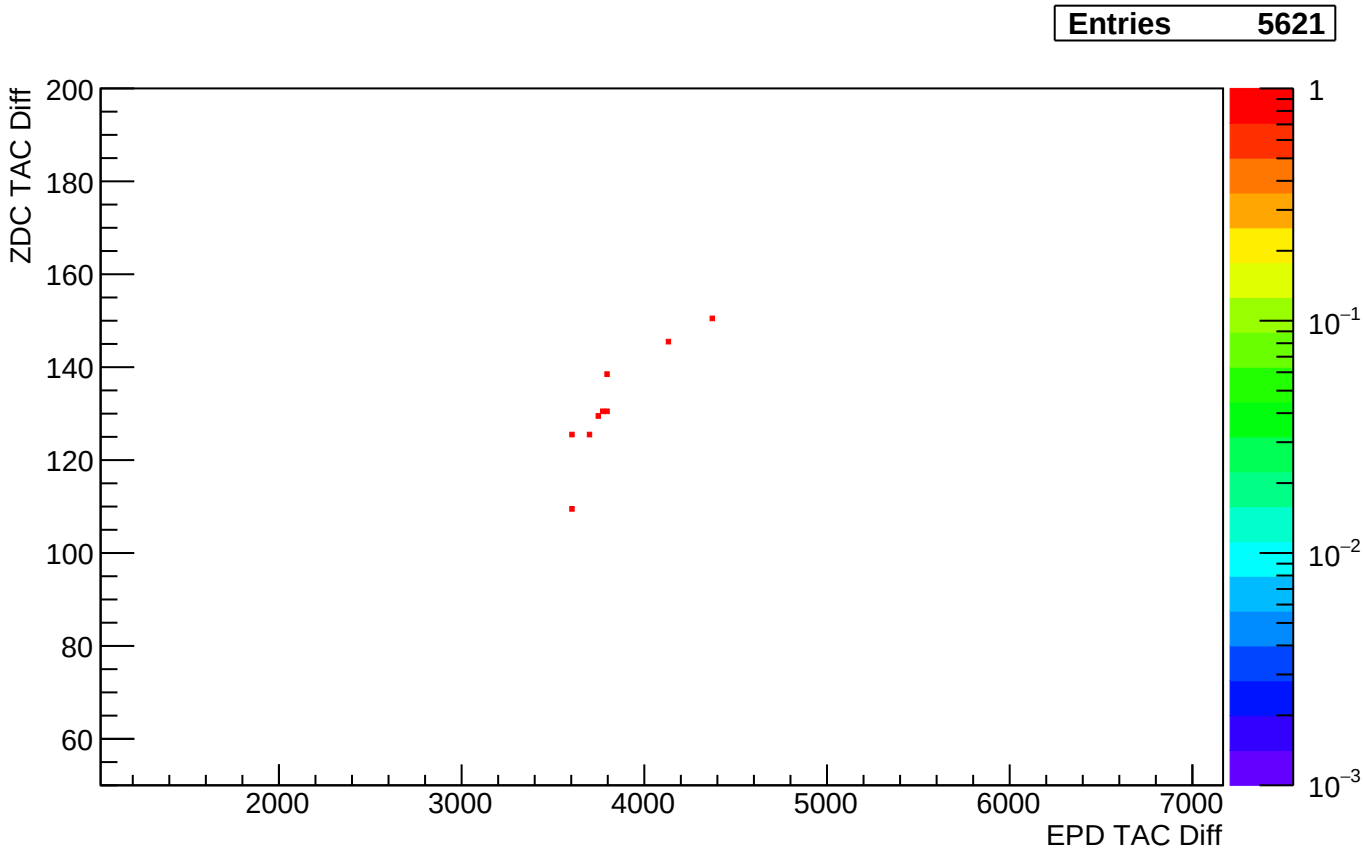

Entries 5621
TOF-Mult
BBC-S-West ADC Sum

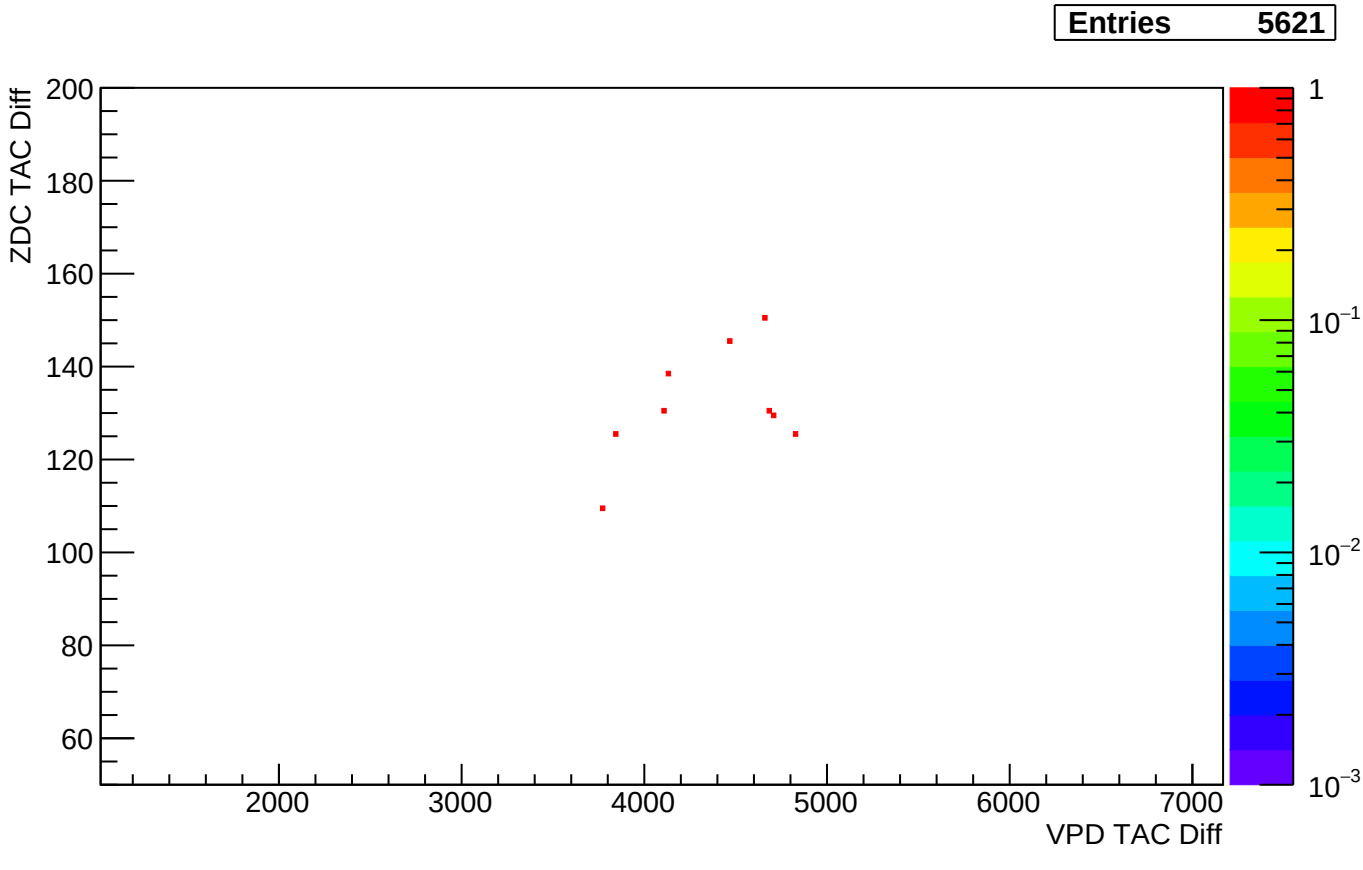

Entries 5621
TOF-Mult
EPD-East Hit Cnt

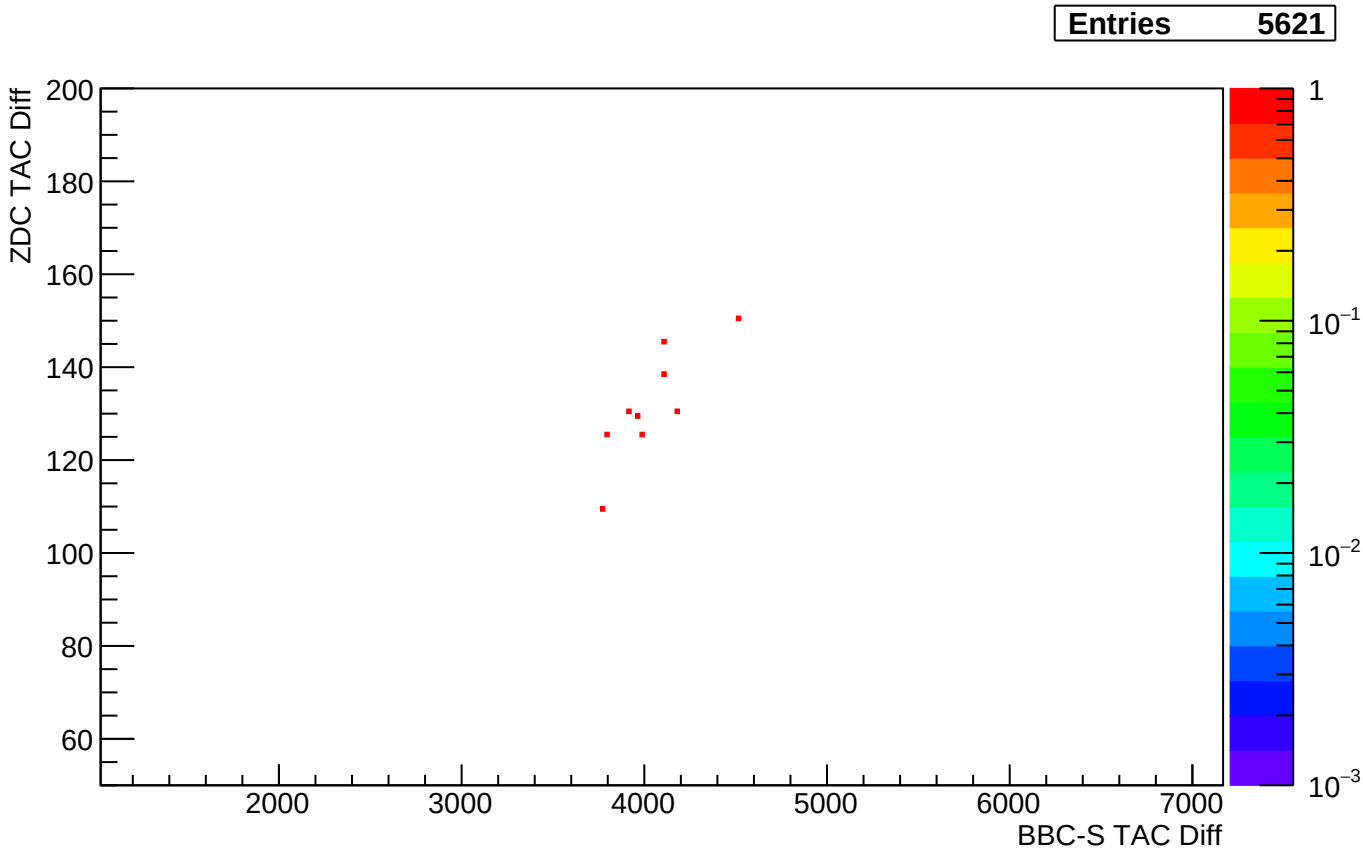

Entries 5621
TOF-Mult
EPD-West Hit Cnt

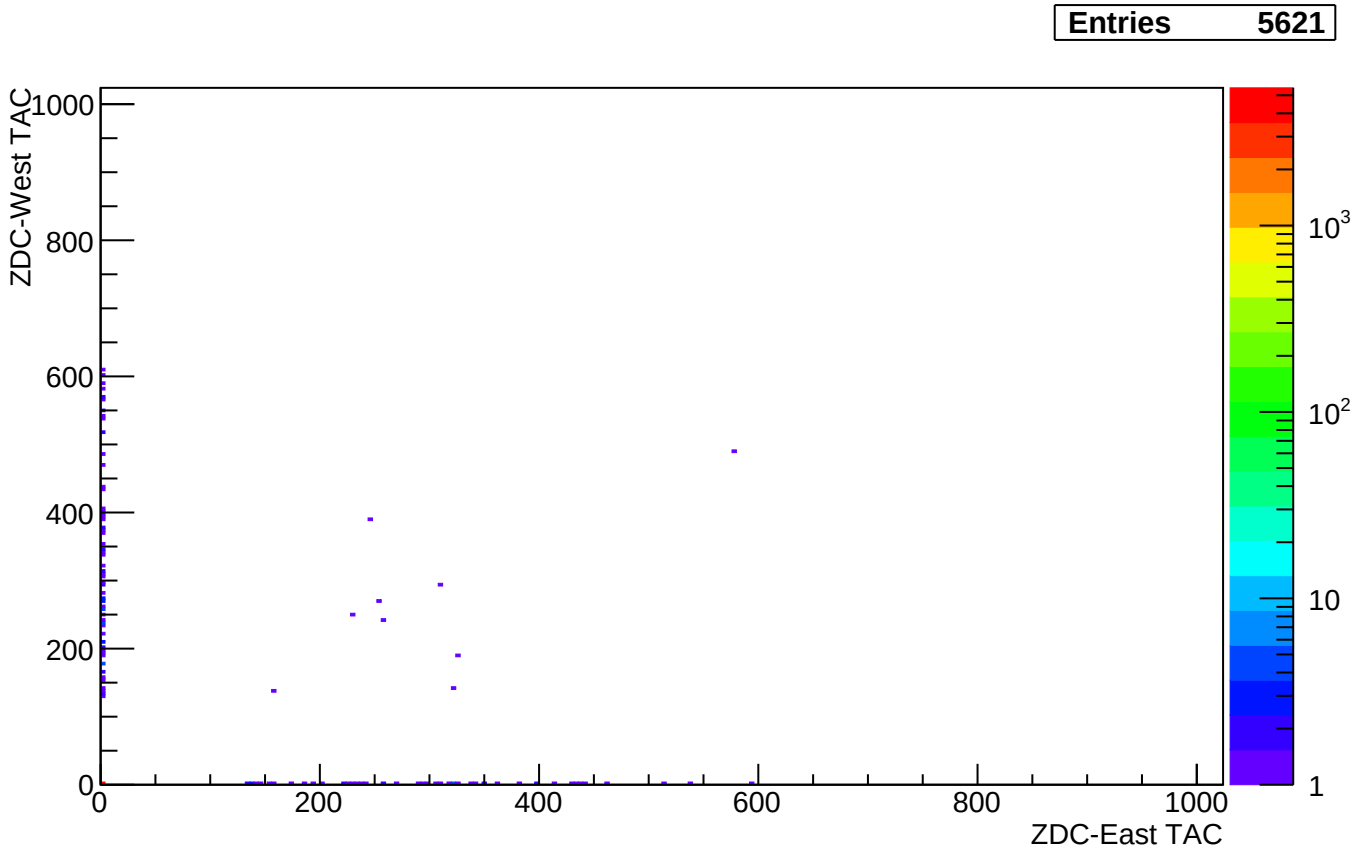

Entries 5621
TOF-Mult
VPD-East ADC Sum

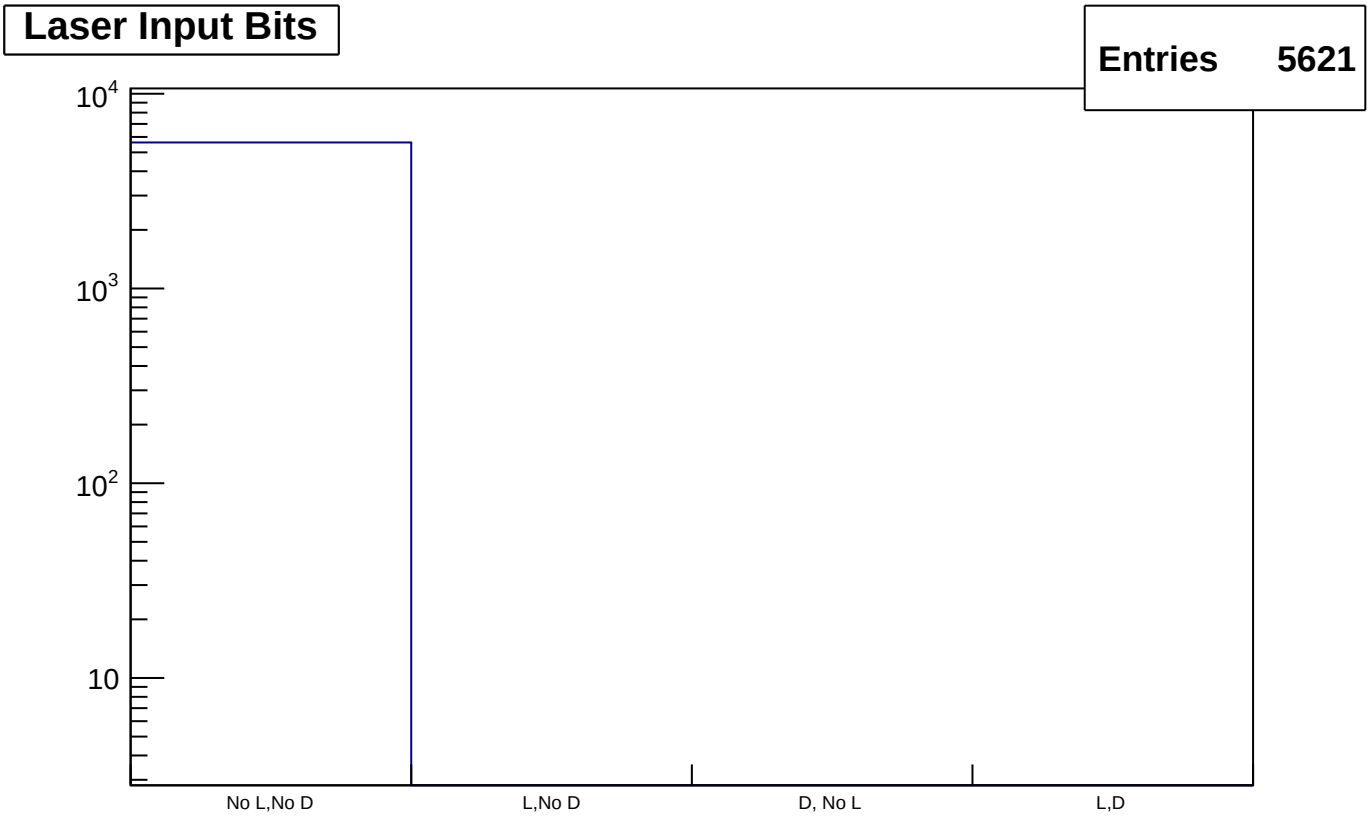

Entries 5621
TOF-Mult
VPD-West ADC Sum

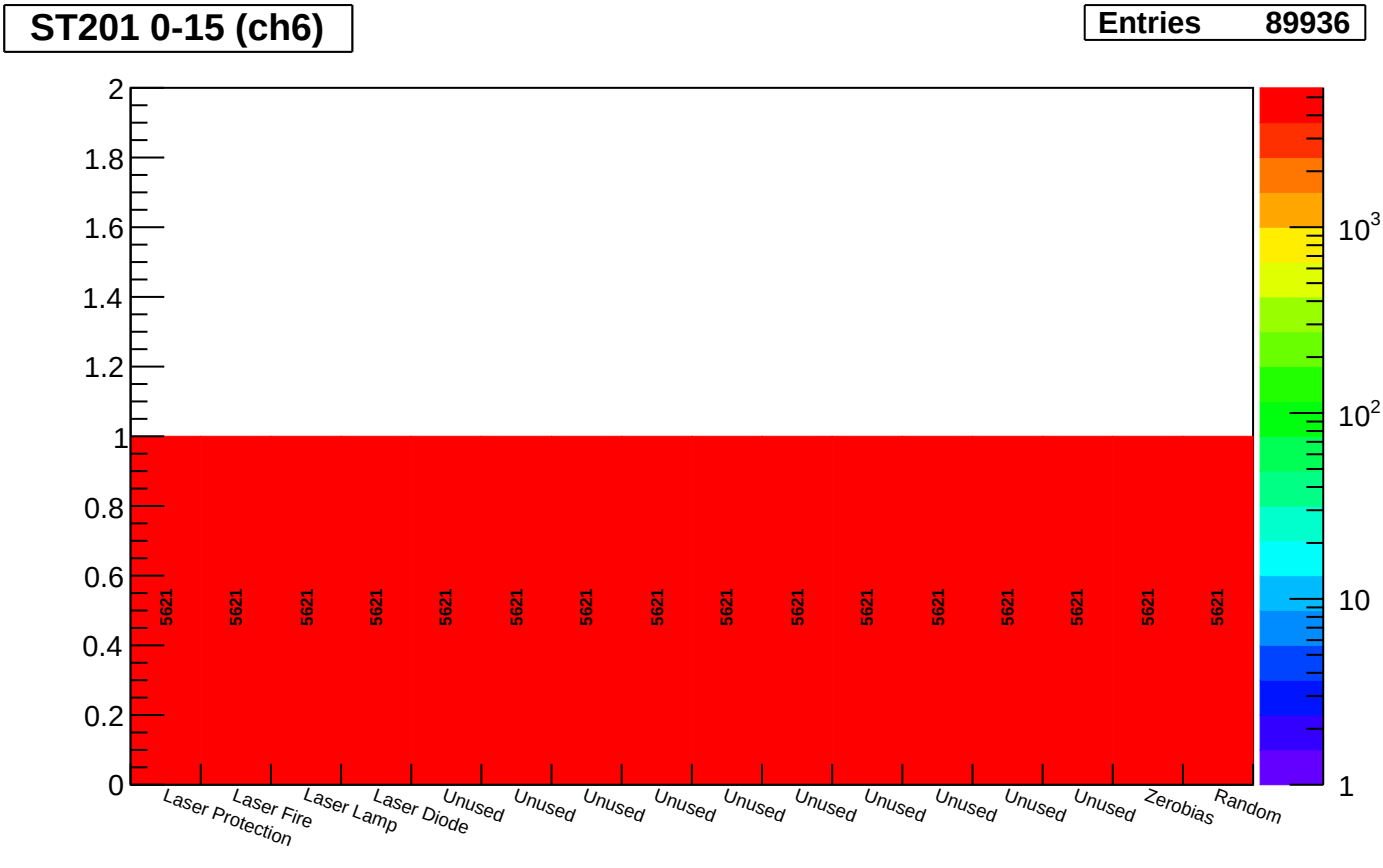

Entries 5621
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

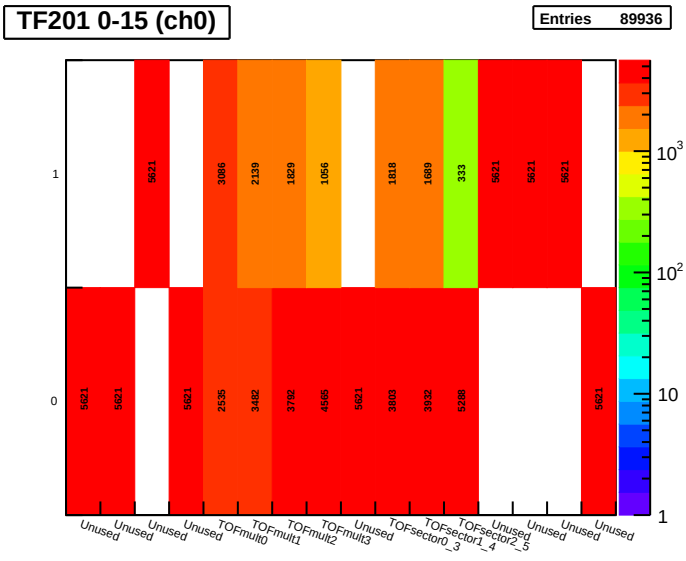

Entries 5621
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

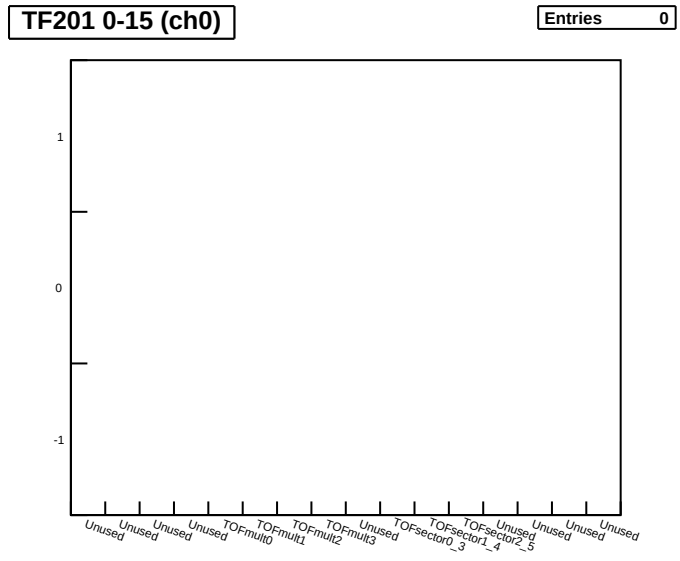

Entries 5621
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

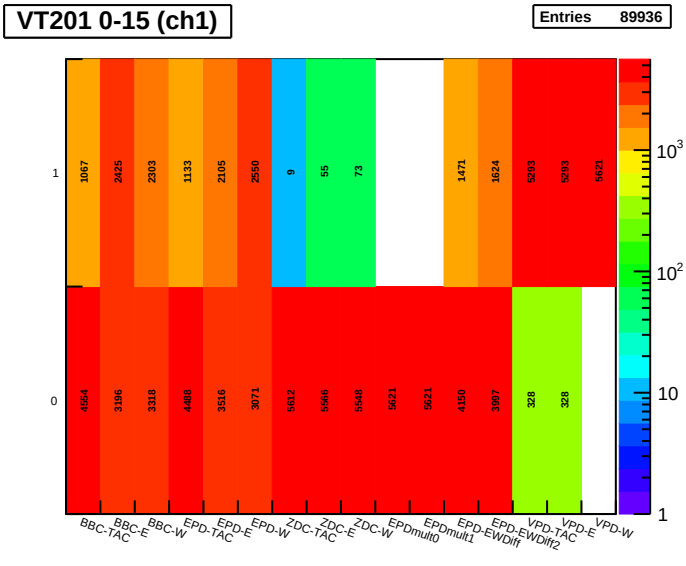

Entries 5621
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^3
10^2
10
1

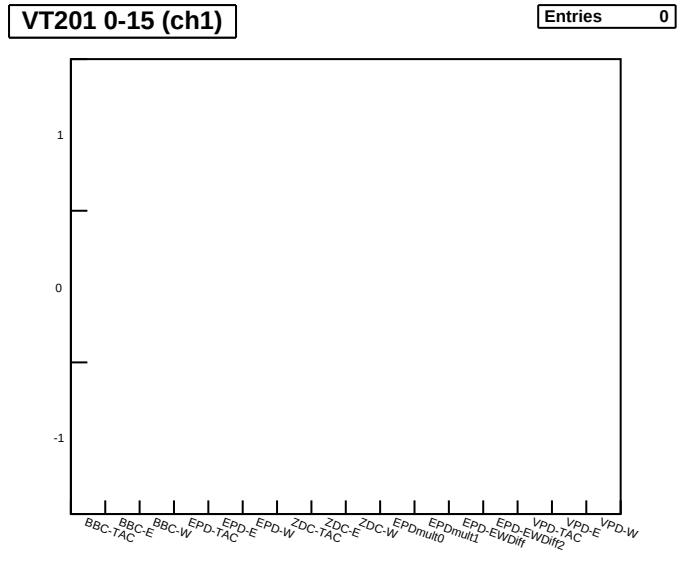

Laser Input Bits
Entries 5621
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

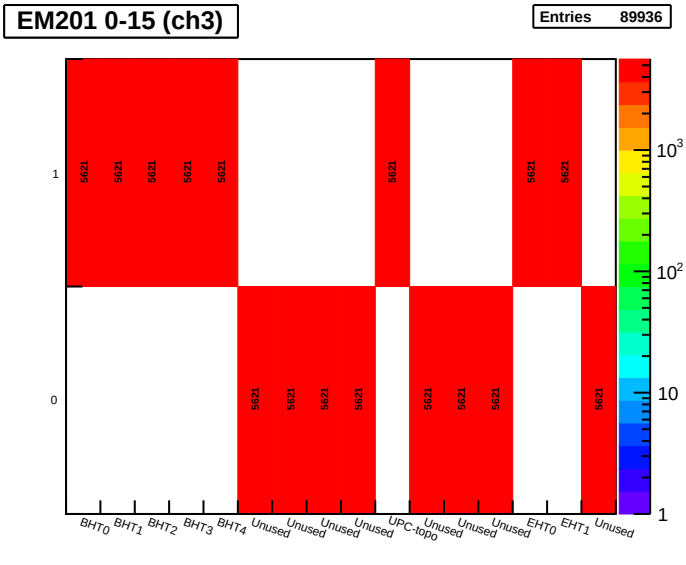

ST201 0-15 (ch6)
Entries 89936
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5621
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

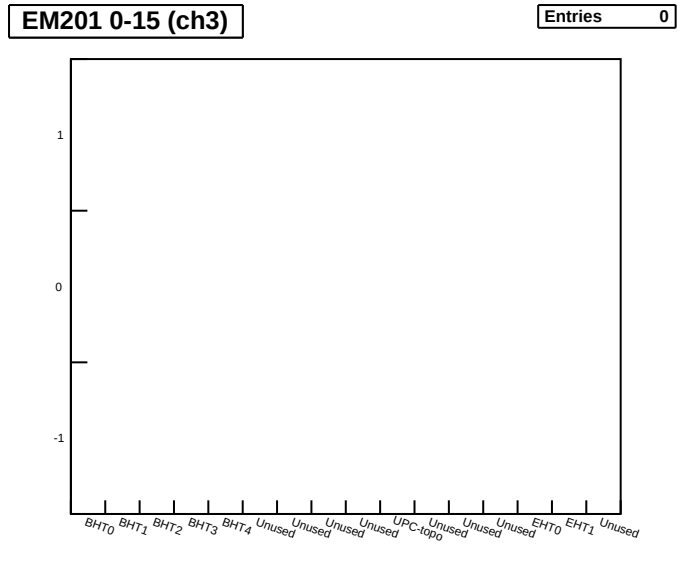

TF201 0-15 (ch0)
Entries 89936
1
0
5621 3086 2139 1829 1056 1818 1689 333 5621 5621 5621
5621 5621 5621 2535 3482 3792 4565 5621 3803 3932 5288 5621
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^3
10^2
10
1


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 89936
1
0
1067 2425 2303 1133 2105 2550 9 55 73 1471 1624 5293 5293 5621
4554 3196 3318 4488 3516 3071 5612 5566 5548 5621 5621 4150 3987 328 328
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
10^3
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 89936
1
0
5621 5621 5621 5621 5621 5621 5621 5621
5621 5621 5621 5621 5621 5621 5621 5621
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused
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