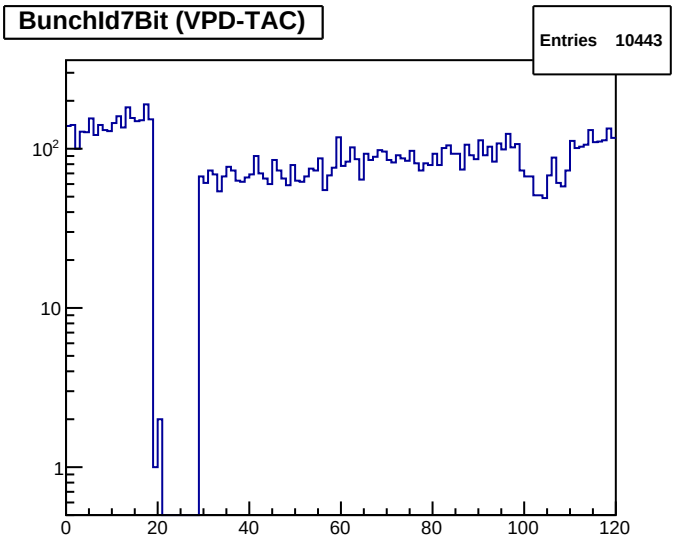
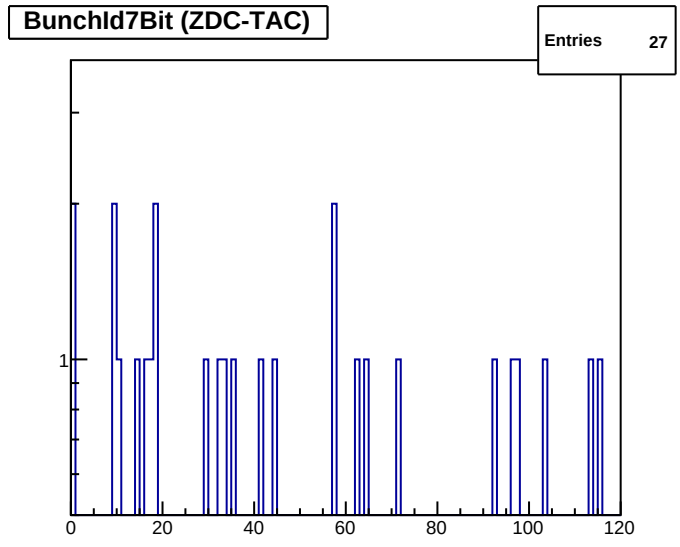
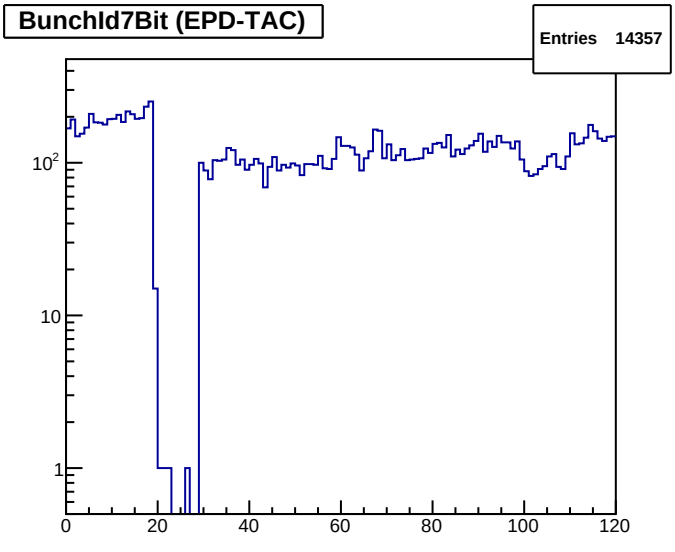
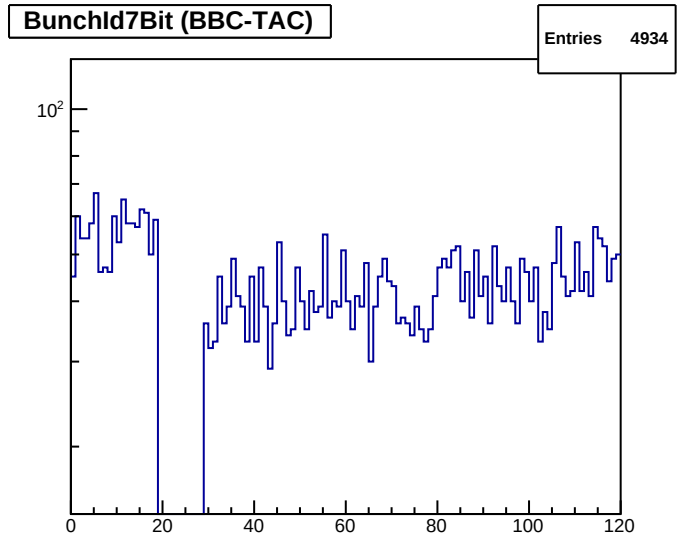
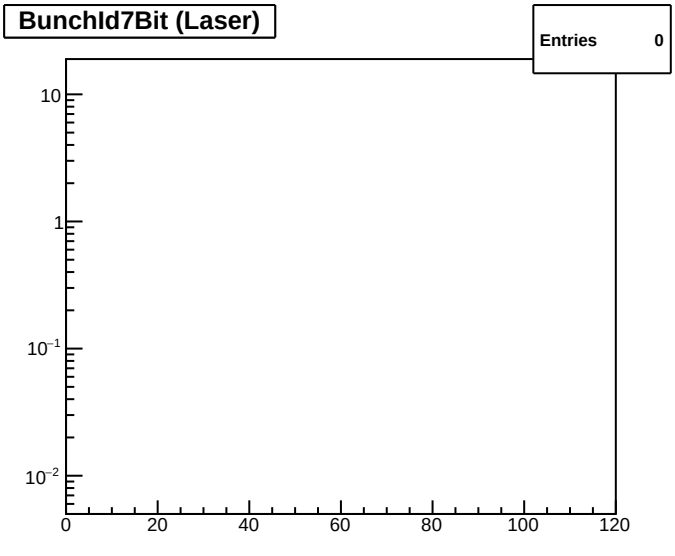
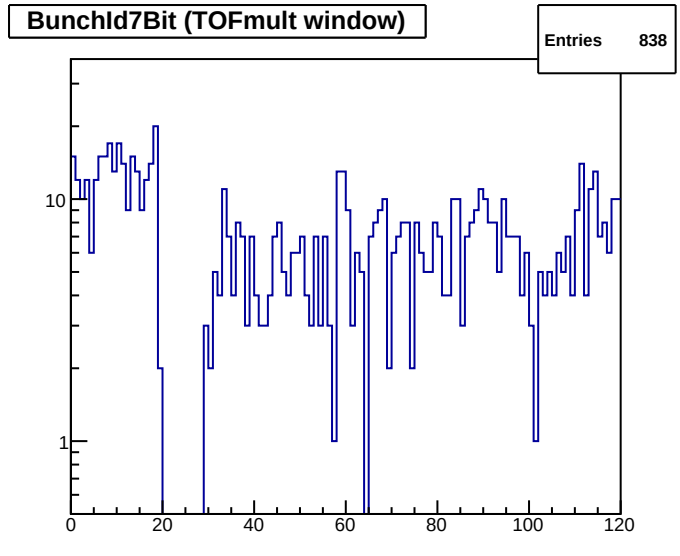

BunchId7Bit (VPD-TAC)
Entries 10443
10^2
10
1
0
20
40
60
80
100
120

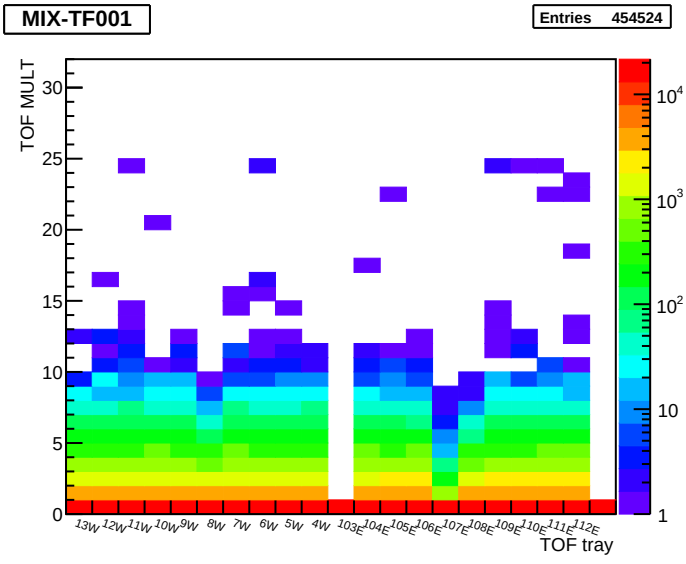

BunchId7Bit (ZDC-TAC)
Entries 27
1
0
20
40
60
80
100
120

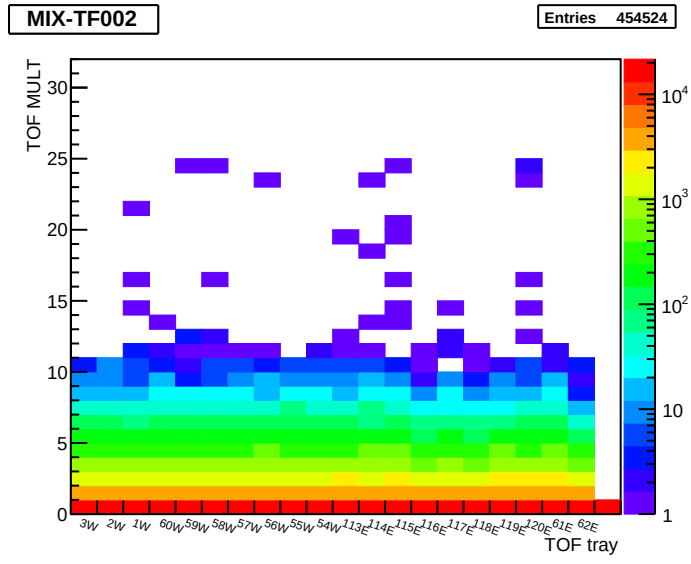

BunchId7Bit (EPD-TAC)
Entries 14357
10^2
10
1
0
20
40
60
80
100
120

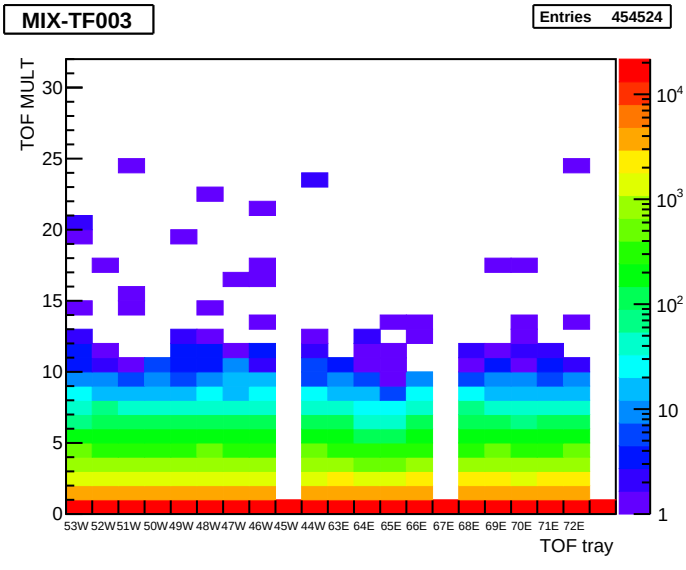

BunchId7Bit (BBC-TAC)
Entries 4934
10^2
0
20
40
60
80
100
120

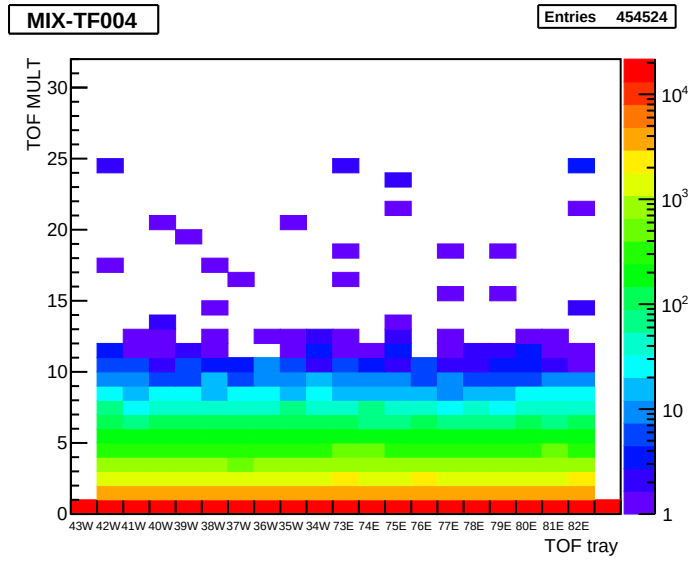

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

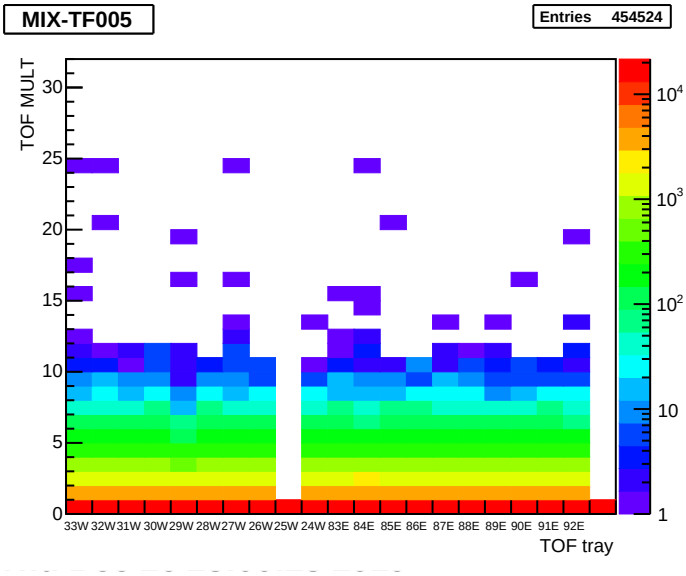

BunchId7Bit (TOFmult window)
Entries 838
10
1
0
20
40
60
80
100
120

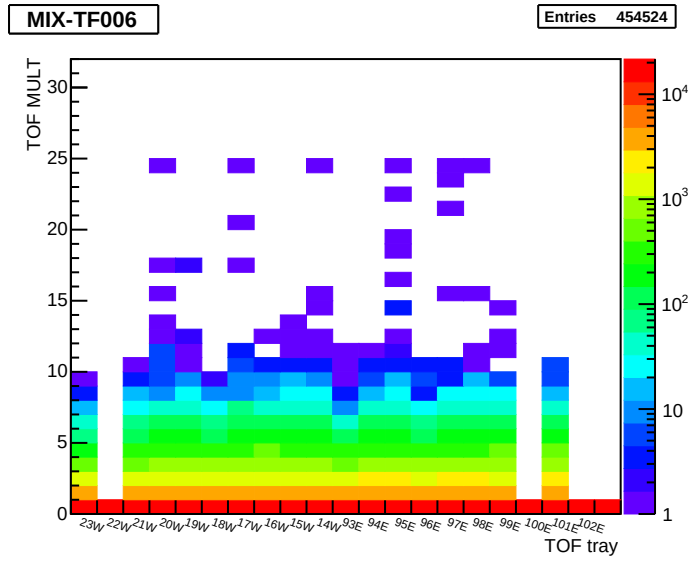

MIX-TF001
Entries 454524
TOF MULT
TOF tray

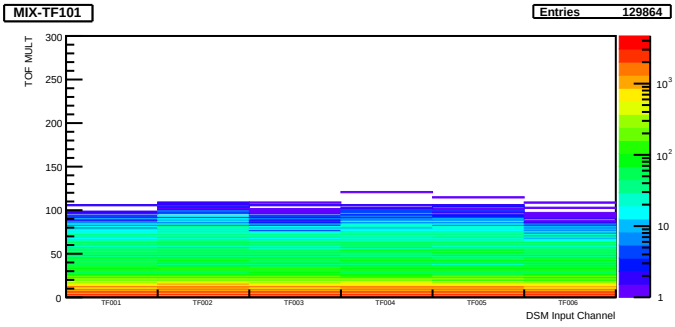

MIX-TF002
Entries 454524
TOF MULT
TOF tray

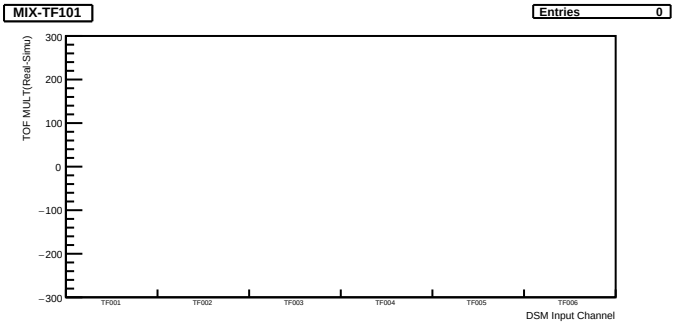

MIX-TF003
Entries 454524
TOF MULT
TOF tray

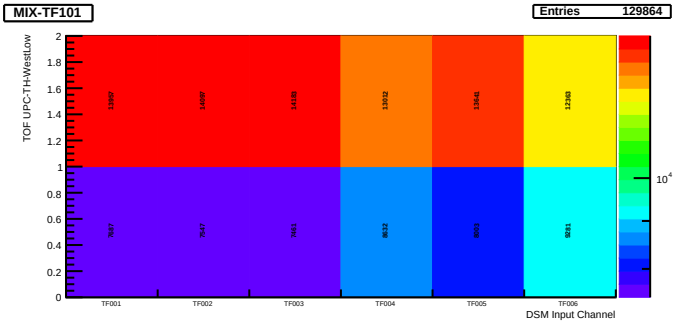

MIX-TF004
Entries 454524
TOF MULT
TOF tray

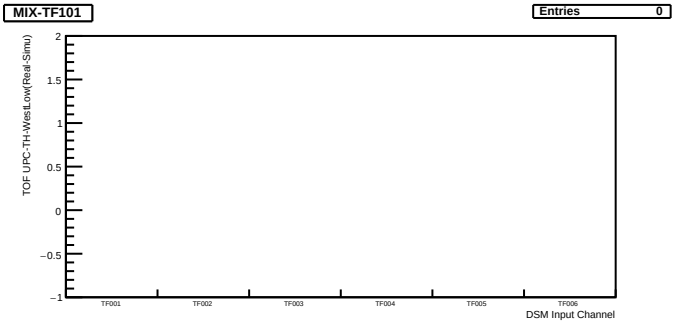

MIX-TF005
Entries 454524
TOF MULT
TOF tray

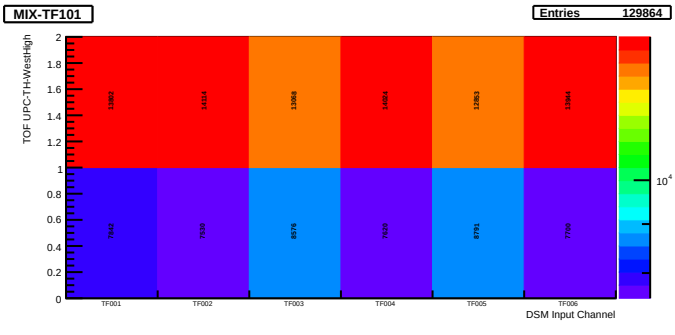

MIX-TF006
Entries 454524
TOF MULT
TOF tray

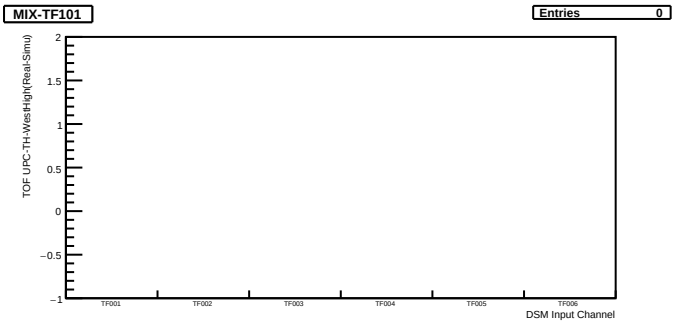

MIX-TF101
Entries 129864
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

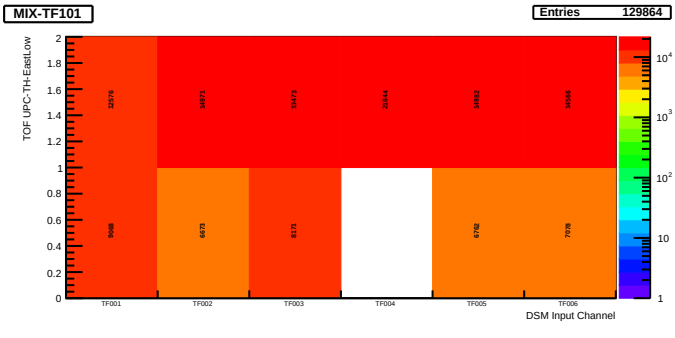

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

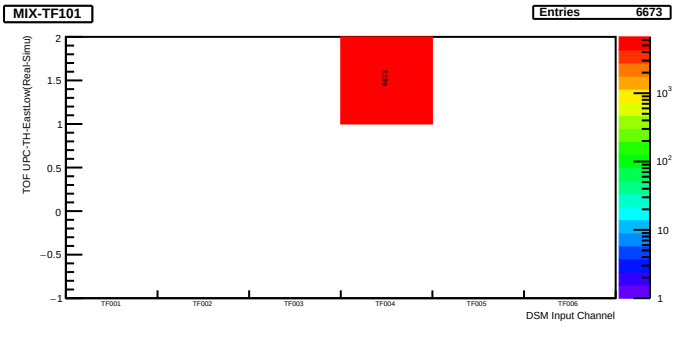

MIX-TF101
Entries 129864
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

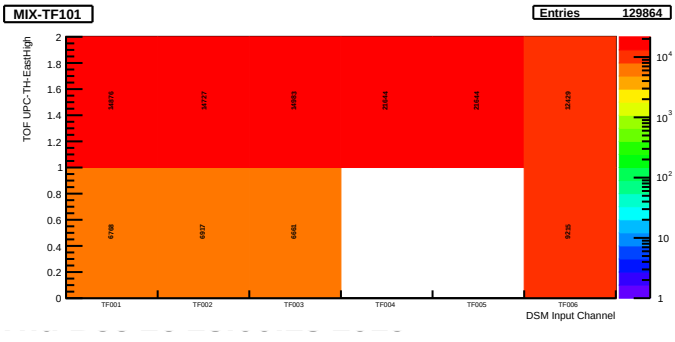

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

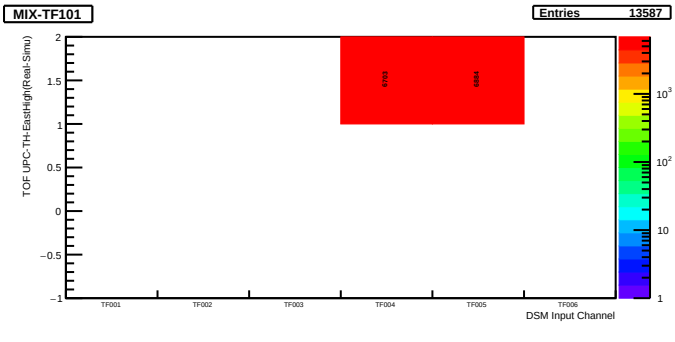

MIX-TF101
Entries 129864
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

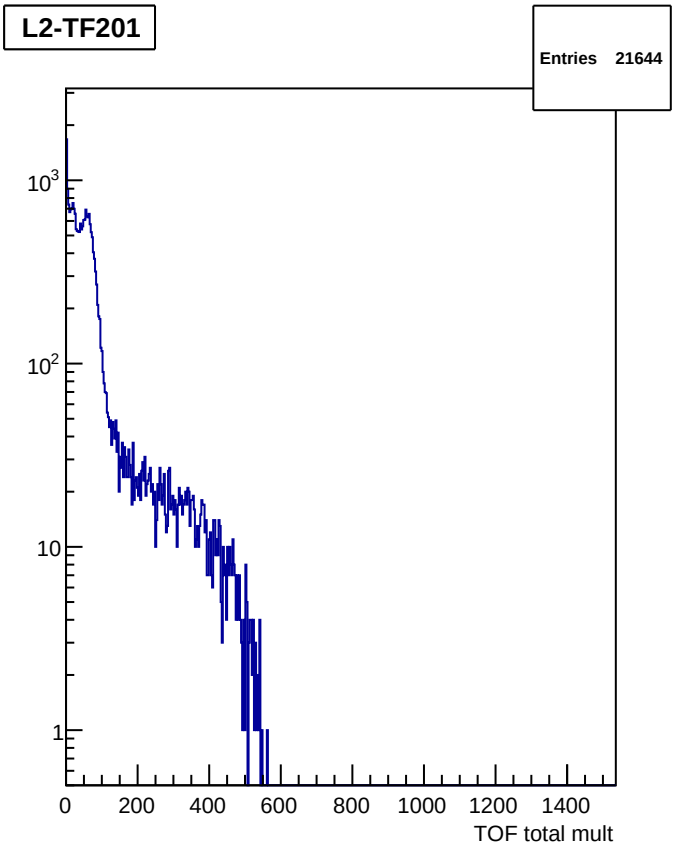

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

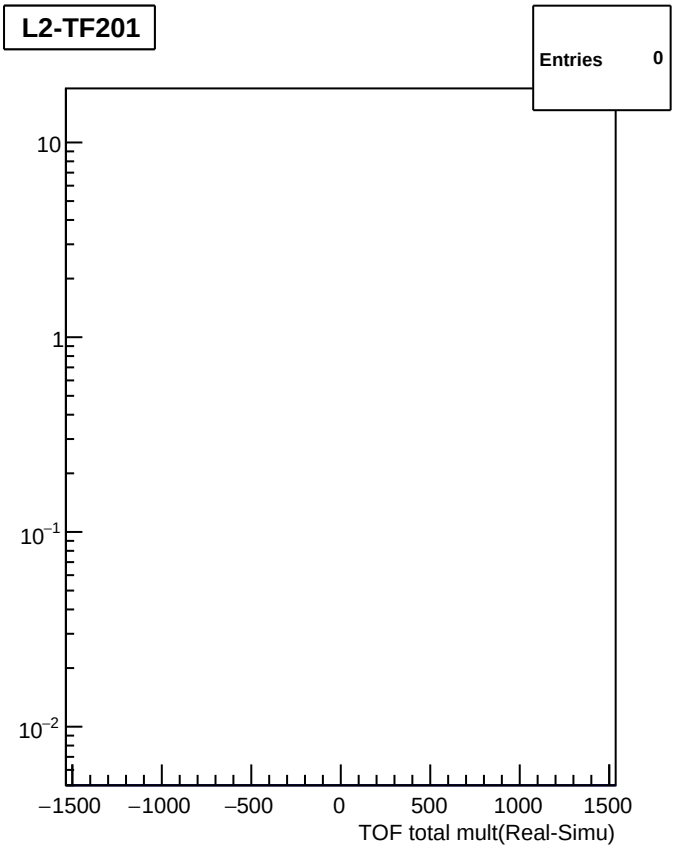

MIX-TF101
Entries 129864
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

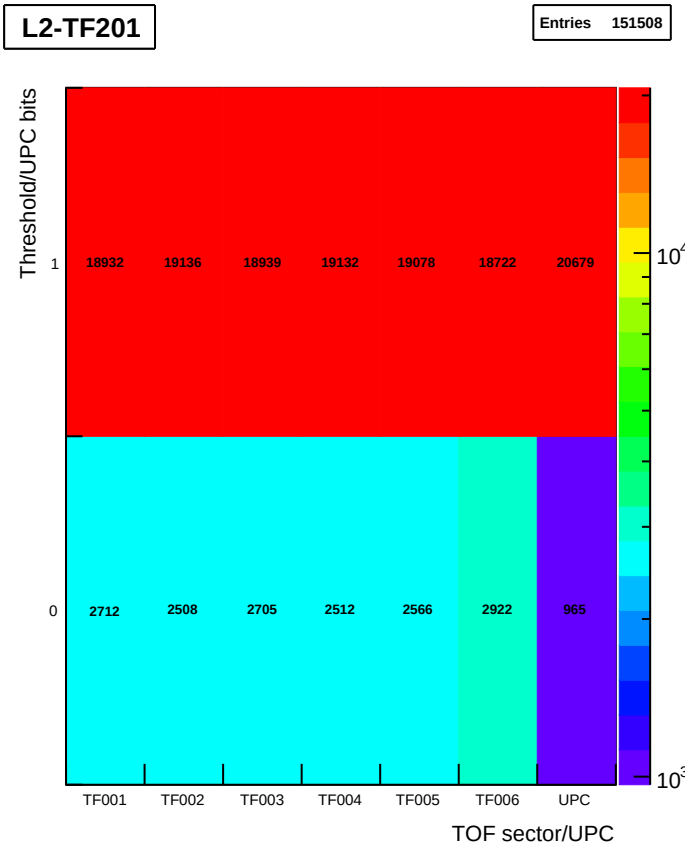

MIX-TF101
Entries 6673
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

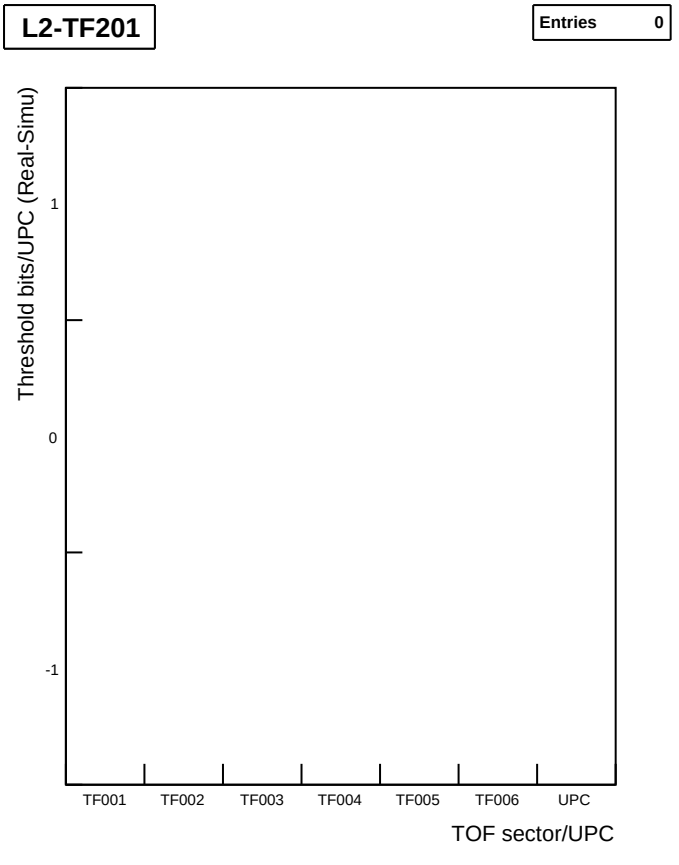

MIX-TF101
Entries 129864
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

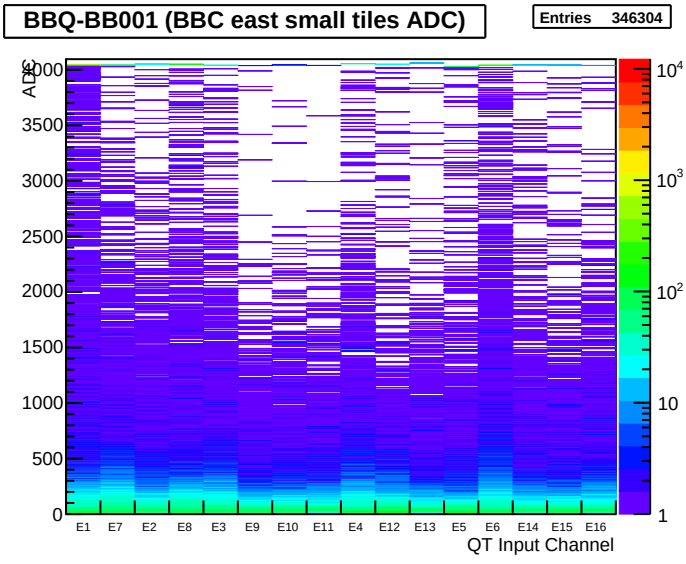

MIX-TF101
Entries 13587
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

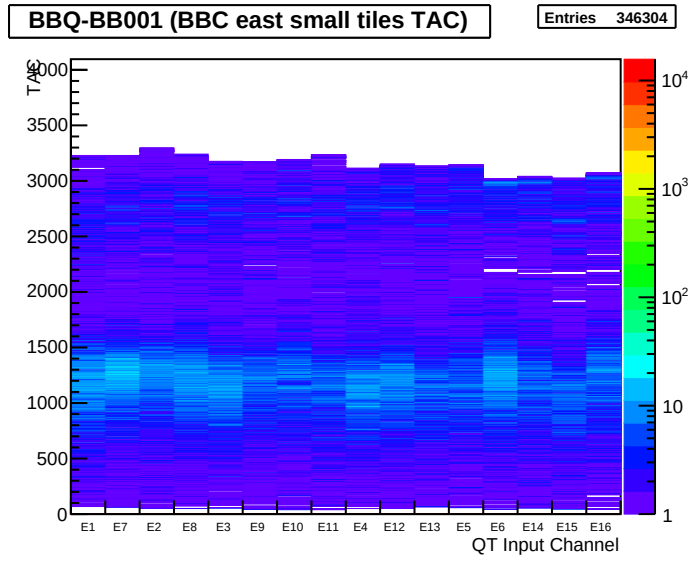

L2-TF201
Entries 21644
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

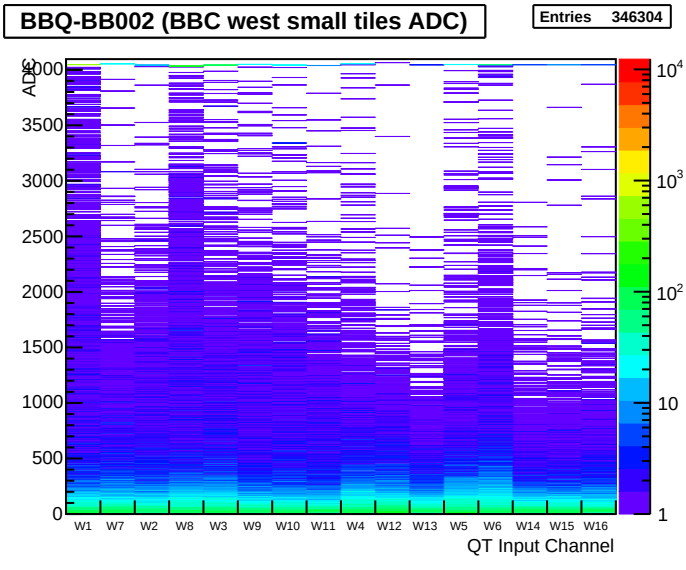

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

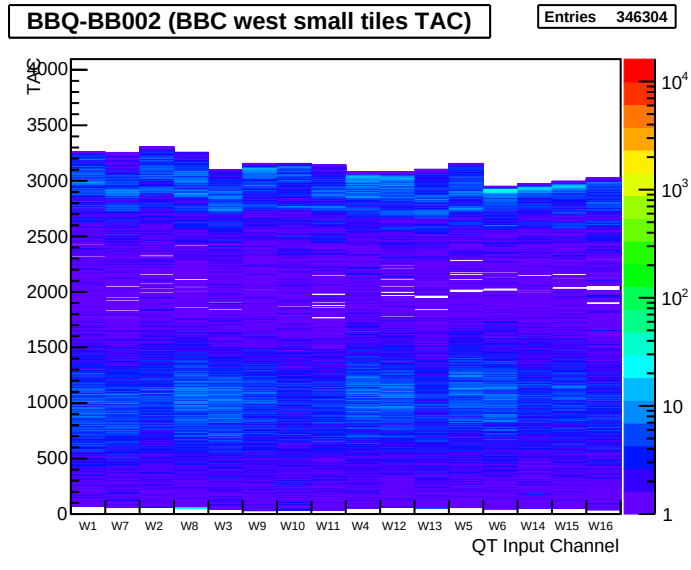

L2-TF201
Entries 151508
Threshold/UPC bits
1
0
18932
19136
18939
19132
19078
18722
20679
2712
2508
2705
2512
2566
2922
965
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

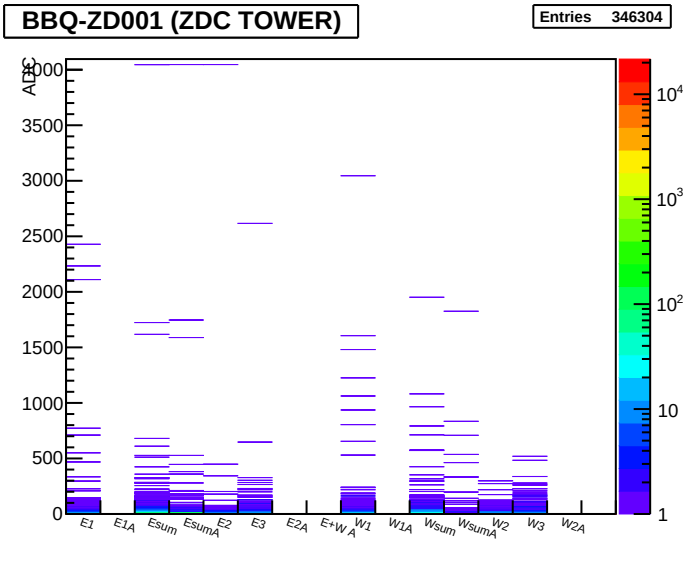

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

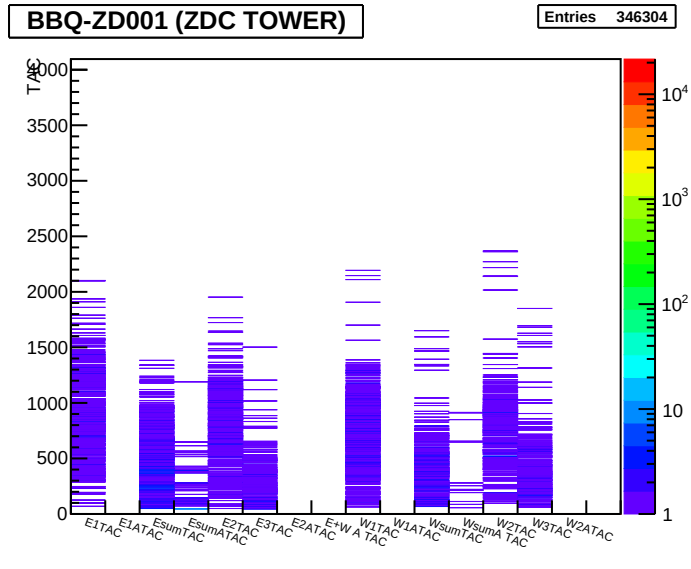

BBQ-BB001 (BBC east small tiles ADC)
Entries 346304
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

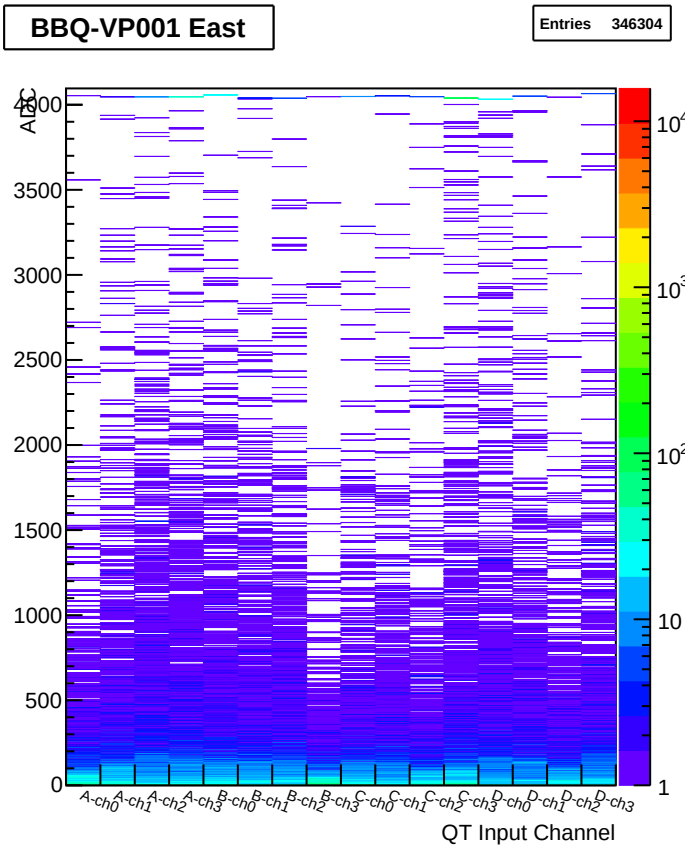

BBQ-BB001 (BBC east small tiles TAC)
Entries 346304
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

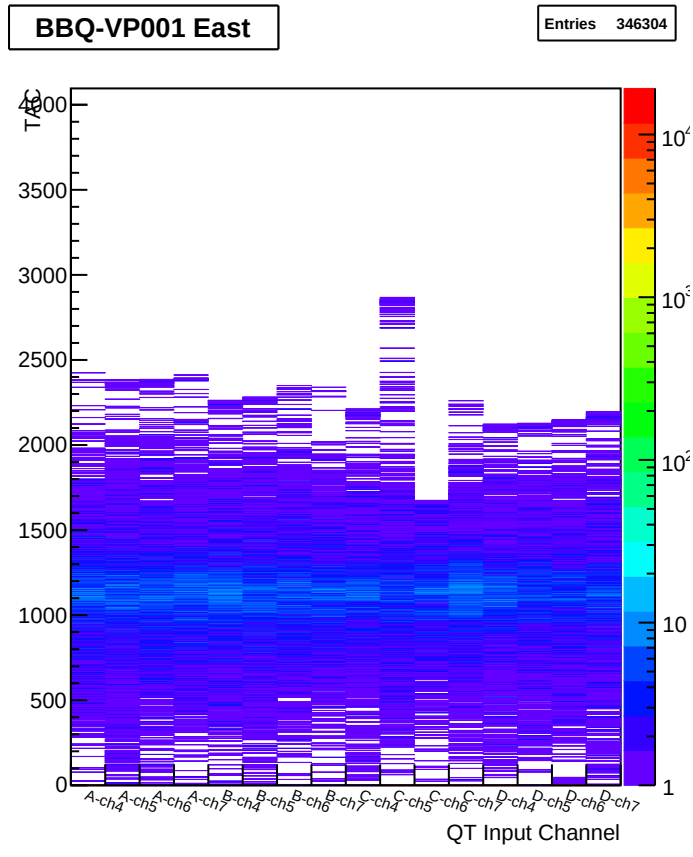

BBQ-BB002 (BBC west small tiles ADC)
Entries 346304
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

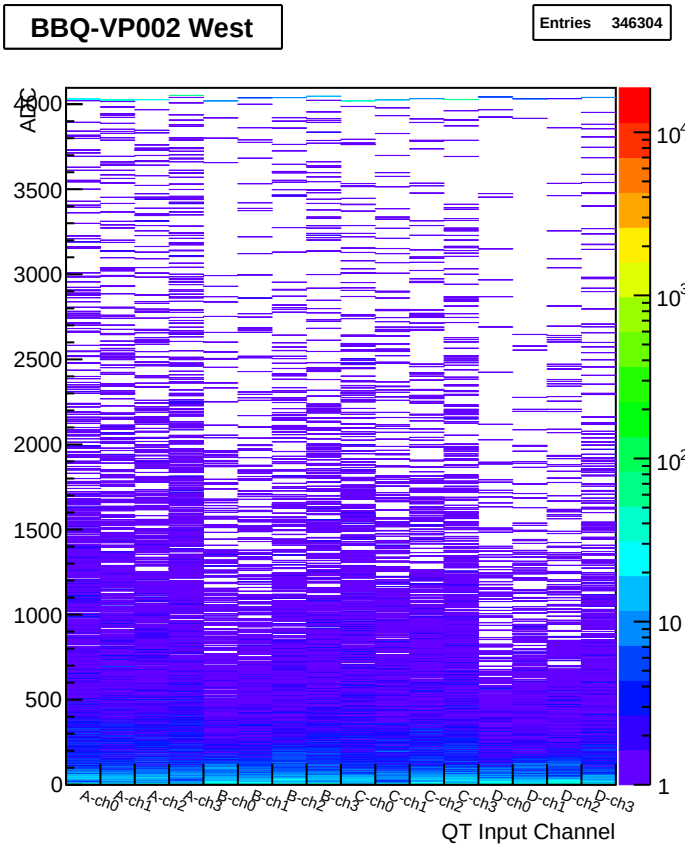

BBQ-BB002 (BBC west small tiles TAC)
Entries 346304
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

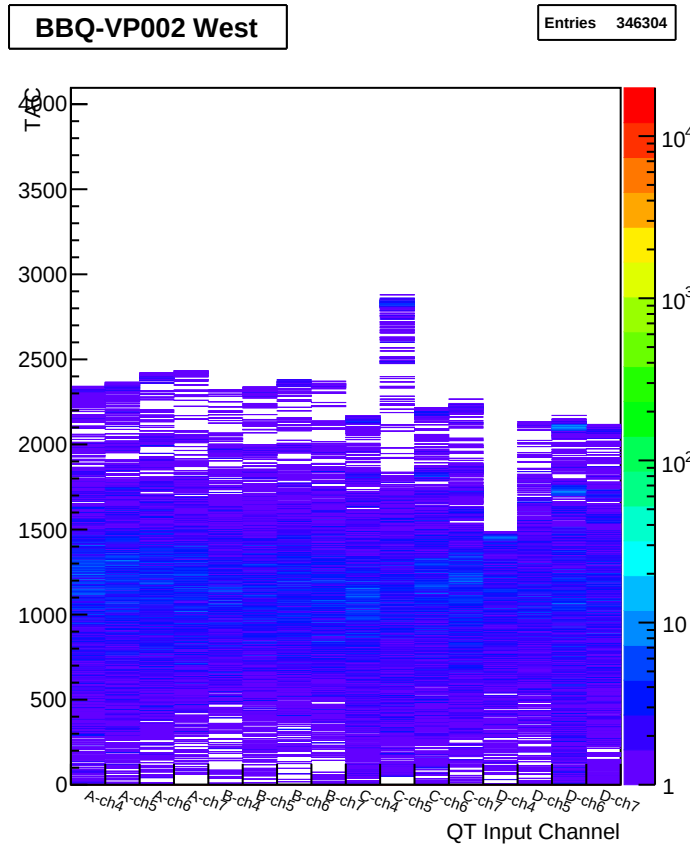

BBQ-ZD001 (ZDC TOWER)
Entries 346304
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

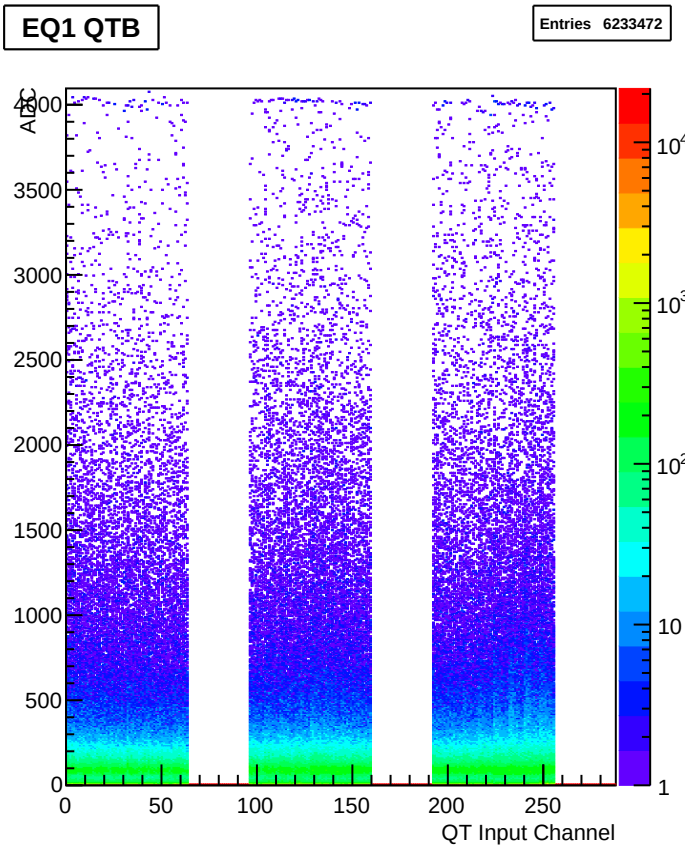

BBQ-ZD001 (ZDC TOWER)
Entries 346304
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

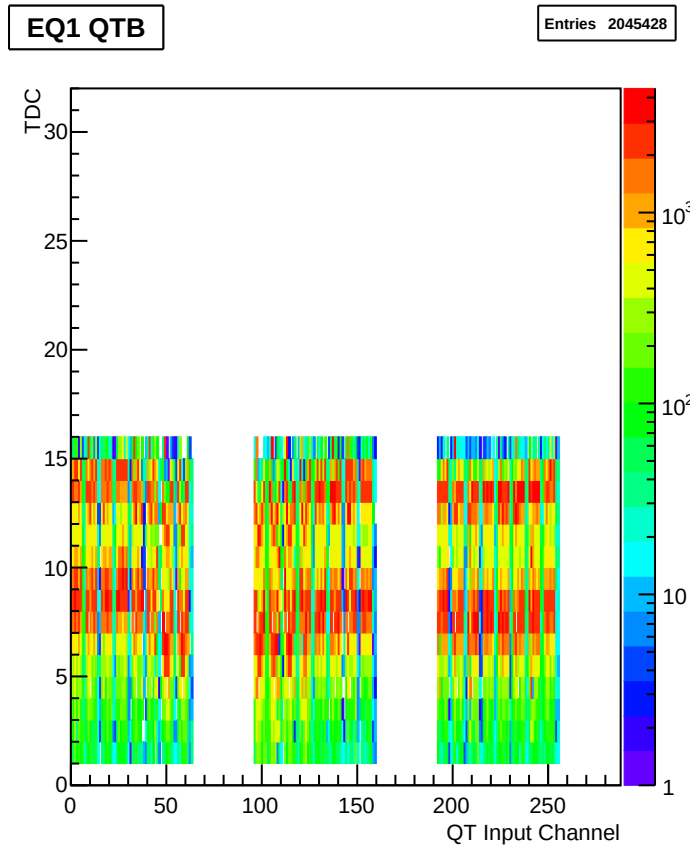

BBQ-VP001 East
Entries 346304
ADC
QT Input Channel

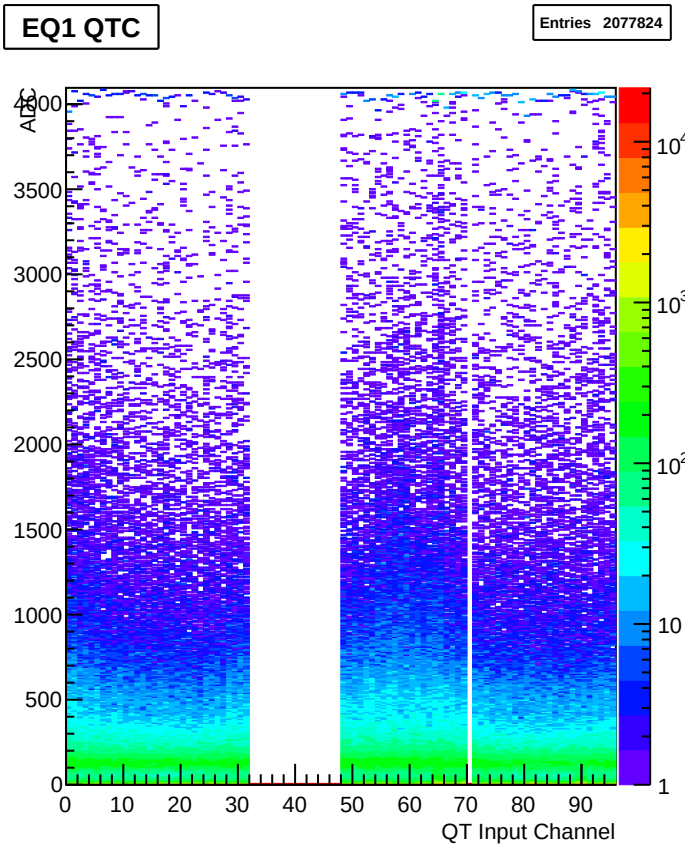

BBQ-VP001 East
Entries 346304
TADC
QT Input Channel

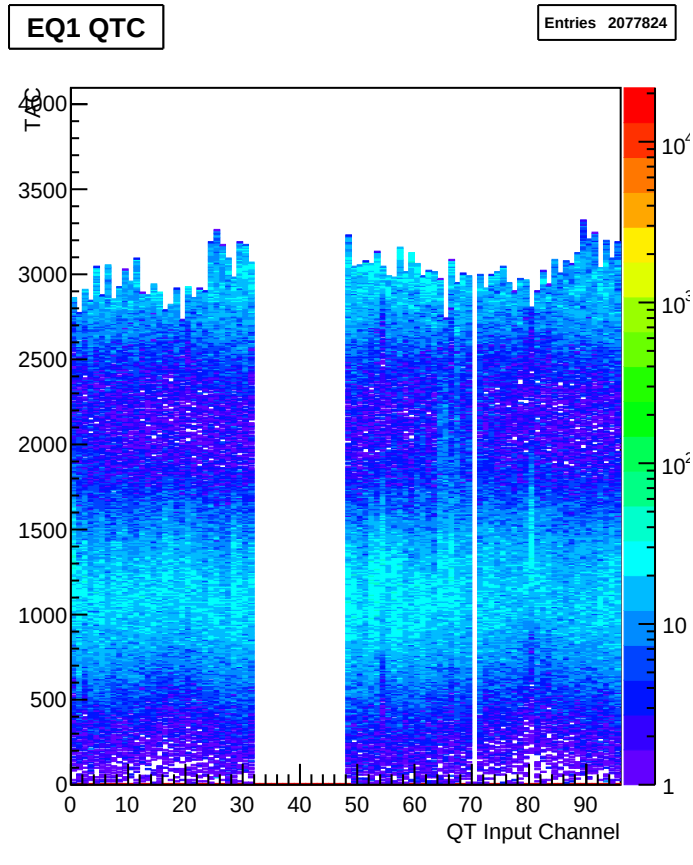

BBQ-VP002 West
Entries 346304
ADC
QT Input Channel

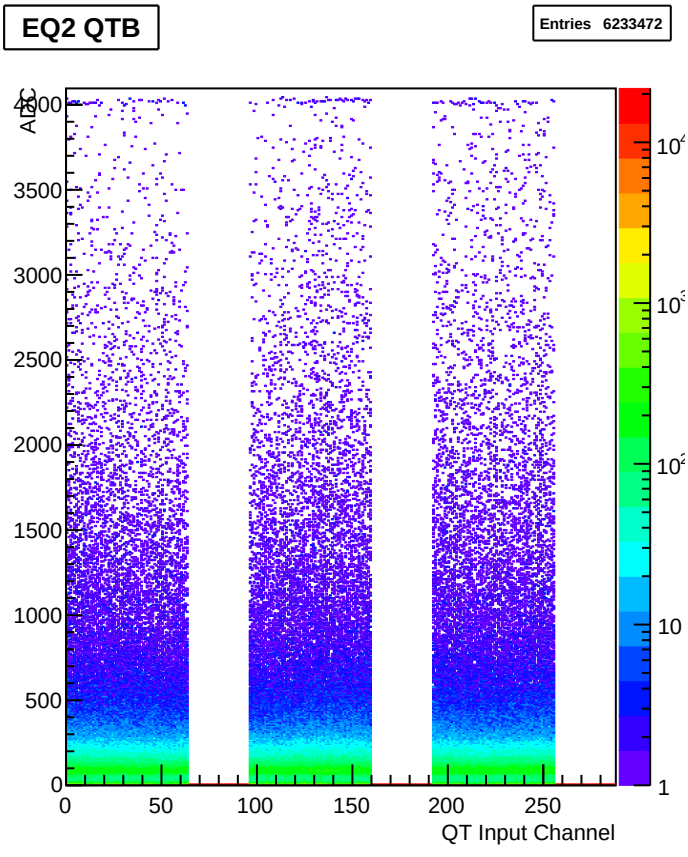

BBQ-VP002 West
Entries 346304
TADC
QT Input Channel

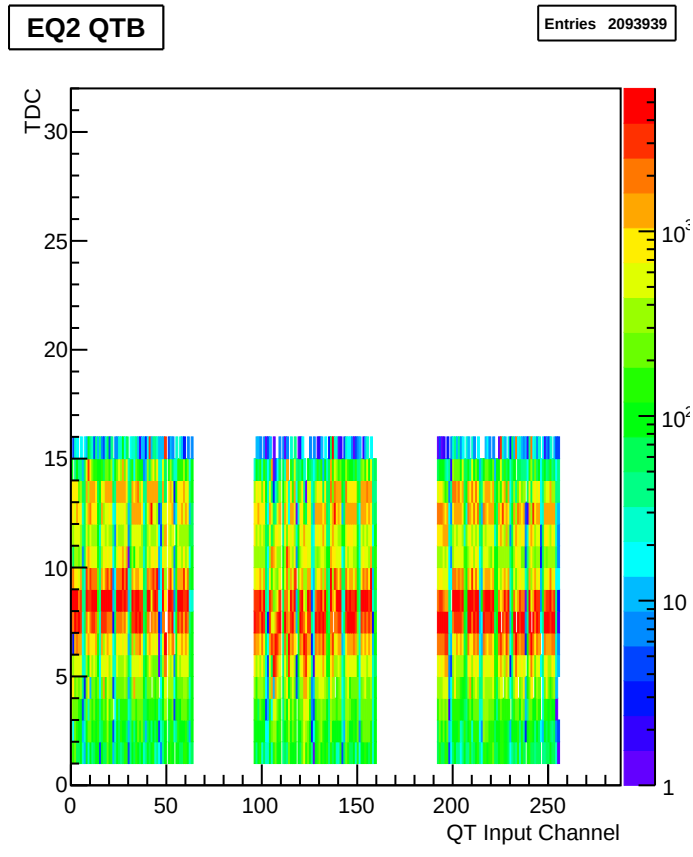

EQ1 QTB
Entries 6233472
ADC
QT Input Channel

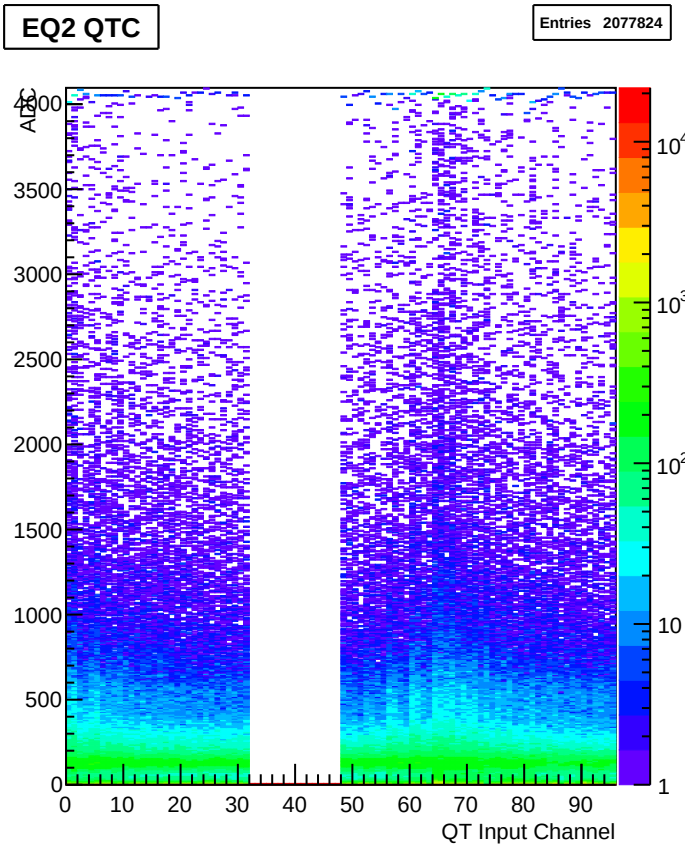

EQ1 QTB
Entries 2045428
TDC
QT Input Channel

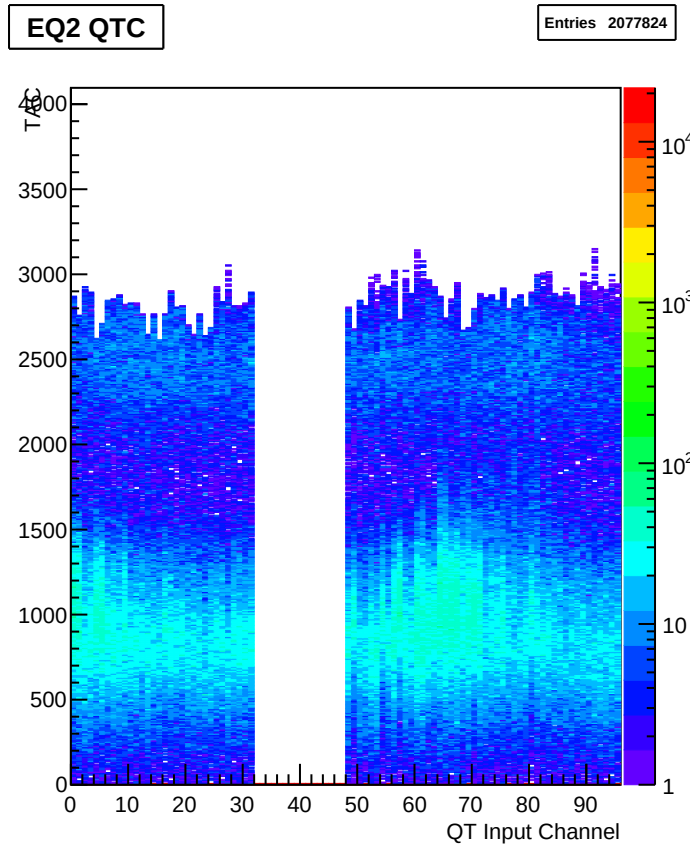

EQ1 QTC
Entries 2077824
ADC
QT Input Channel

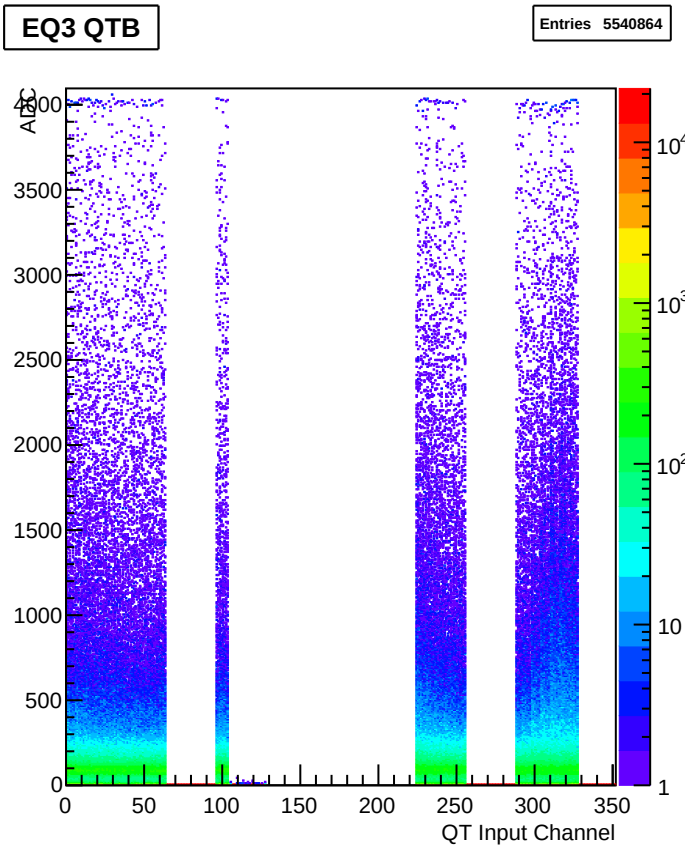

EQ1 QTC
Entries 2077824
TADC
QT Input Channel

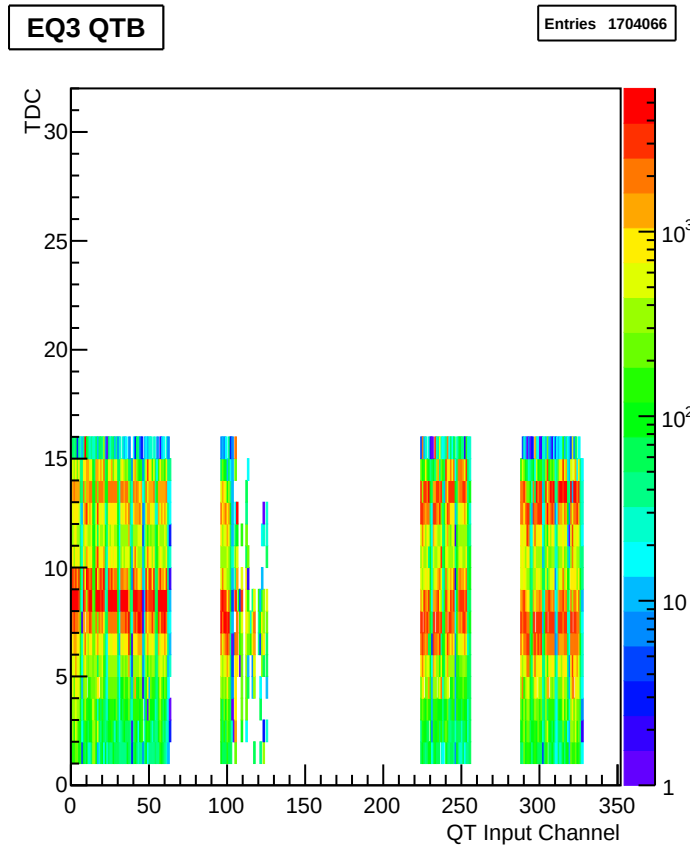

EQ2 QTB
Entries 6233472
ADC
QT Input Channel

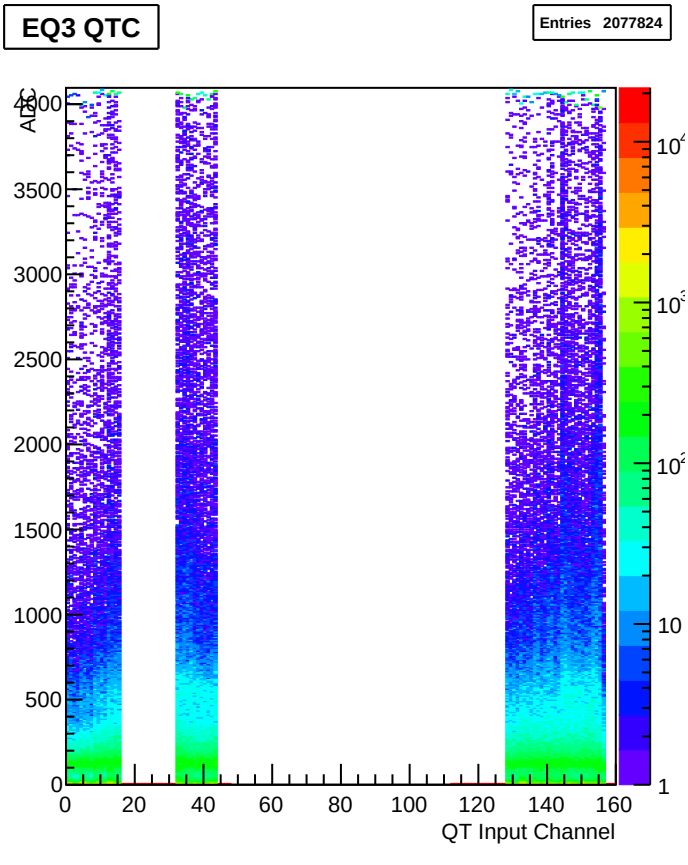

EQ2 QTB
Entries 2093939
TDC
QT Input Channel

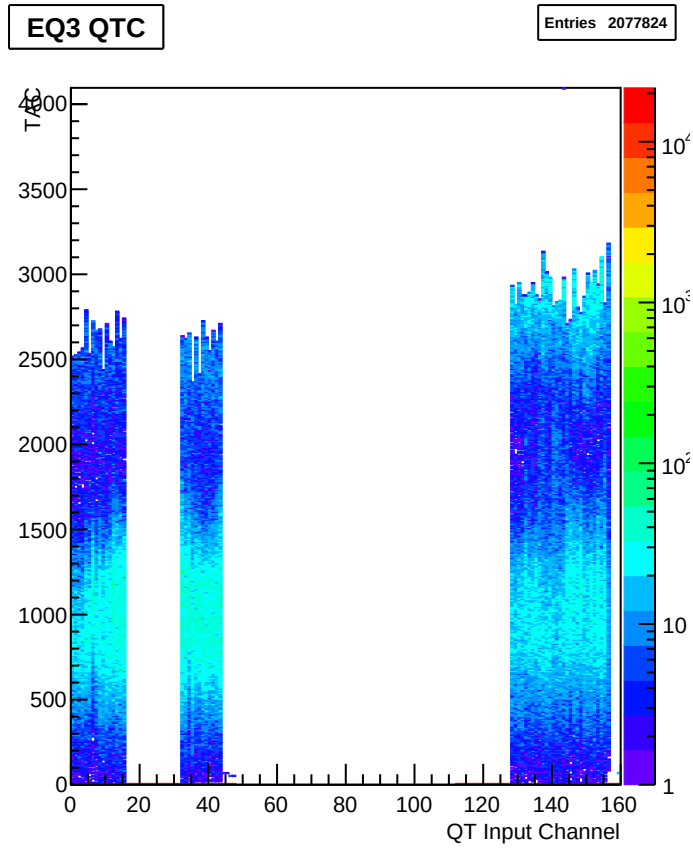

EQ2 QTC
Entries 2077824
ADC
QT Input Channel

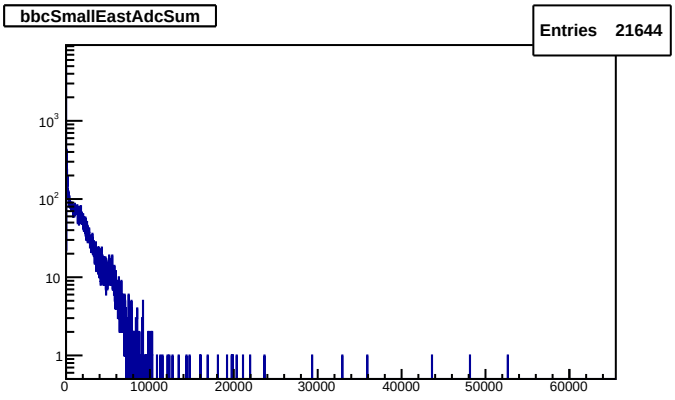

EQ2 QTC
Entries 2077824
TADC
QT Input Channel

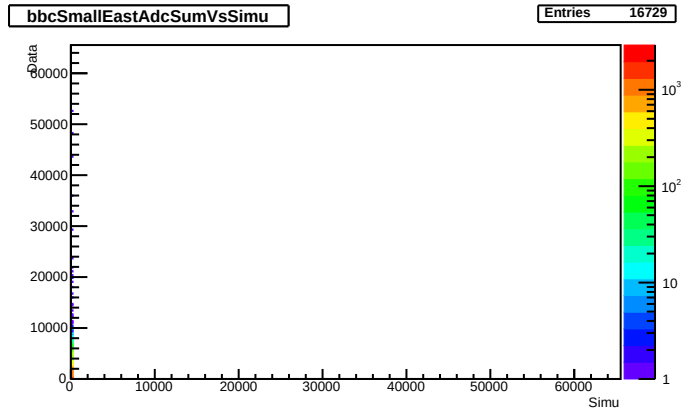

EQ3 QTB
Entries 5540864
ADC
QT Input Channel

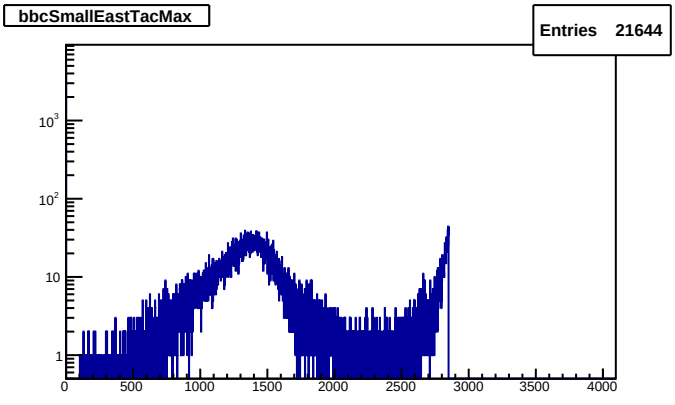

EQ3 QTB
Entries 1704066
TDC
QT Input Channel

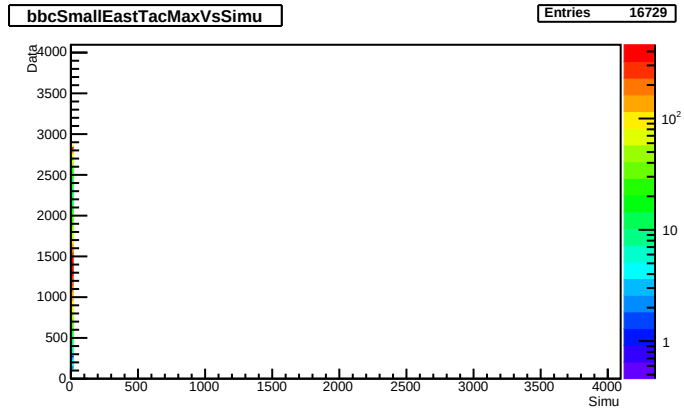

EQ3 QTC
Entries 2077824
ADC
QT Input Channel

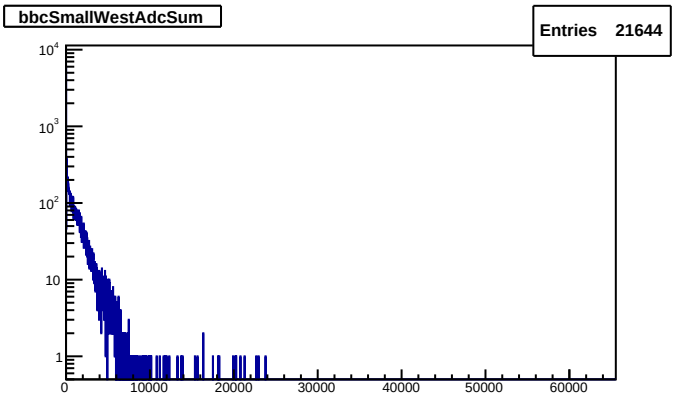

EQ3 QTC
Entries 2077824
TADC
QT Input Channel

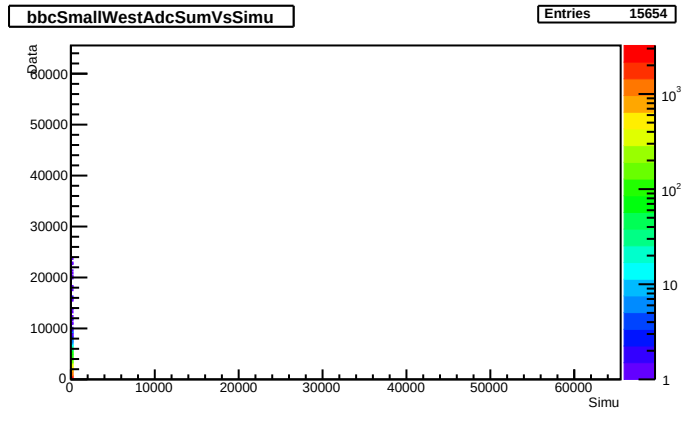

bbcSmallEastAdcSum
Entries 21644

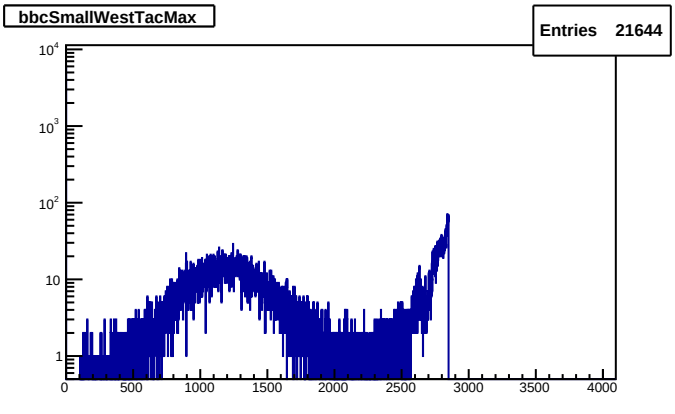

bbcSmallEastAdcSumVsSimu
Entries 16729
Data
Simu

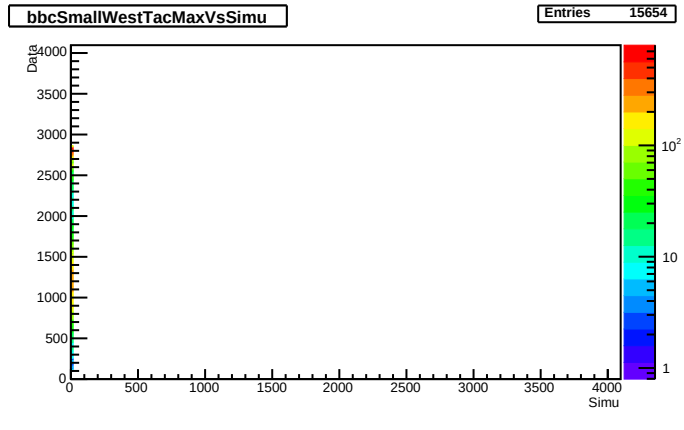

bbcSmallEastTacMax
Entries 21644

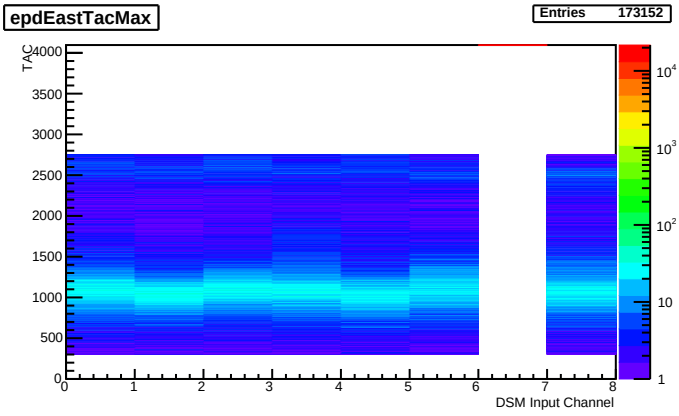

bbcSmallEastTacMaxVsSimu
Entries 16729
Data
Simu

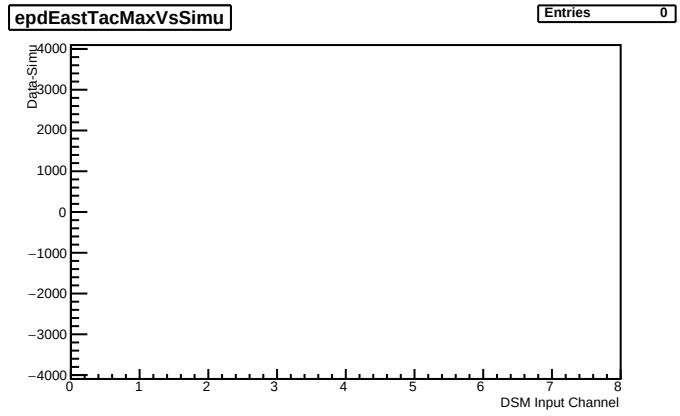

bbcSmallWestAdcSum
Entries 21644

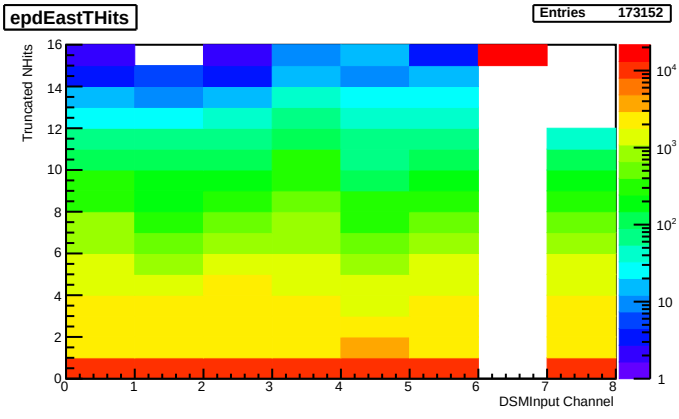

bbcSmallWestAdcSumVsSimu
Entries 15654
Data
Simu

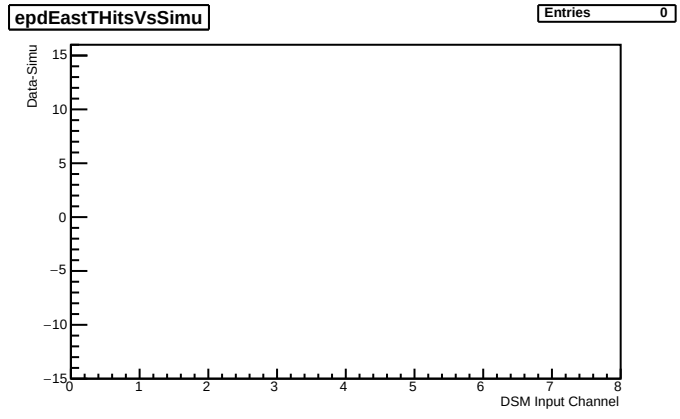

bbcSmallWestTacMax
Entries 21644

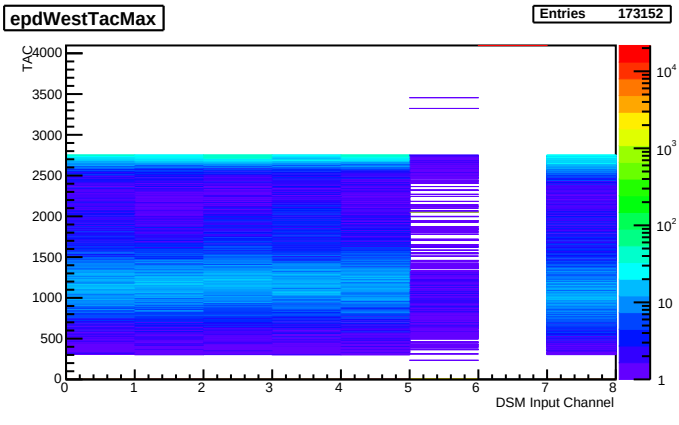

bbcSmallWestTacMaxVsSimu
Entries 15654
Data
Simu

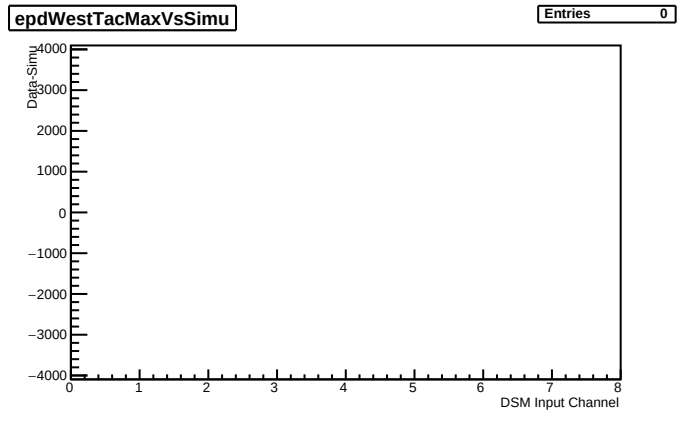

epdEastTacMax
Entries 173152
TAC
DSM Input Channel

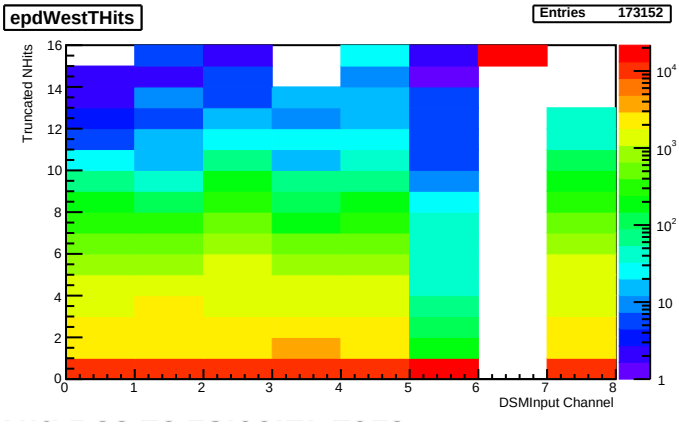

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

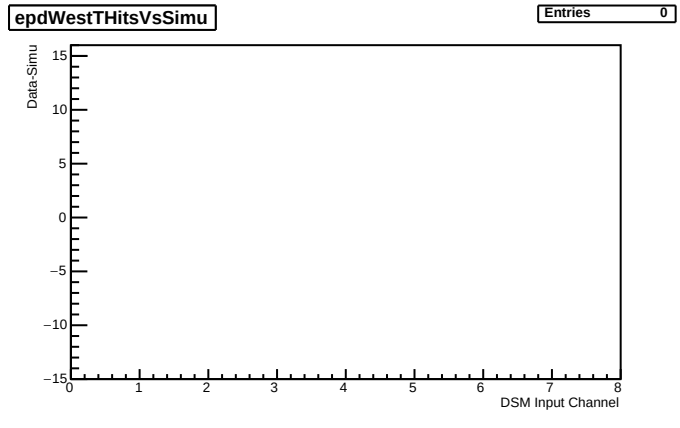

epdEastTHits
Entries 173152
Truncated NHits
DSMInput Channel

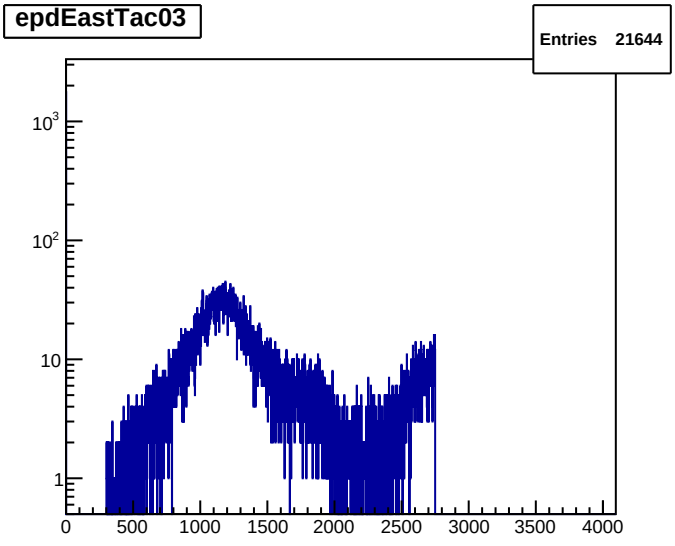

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

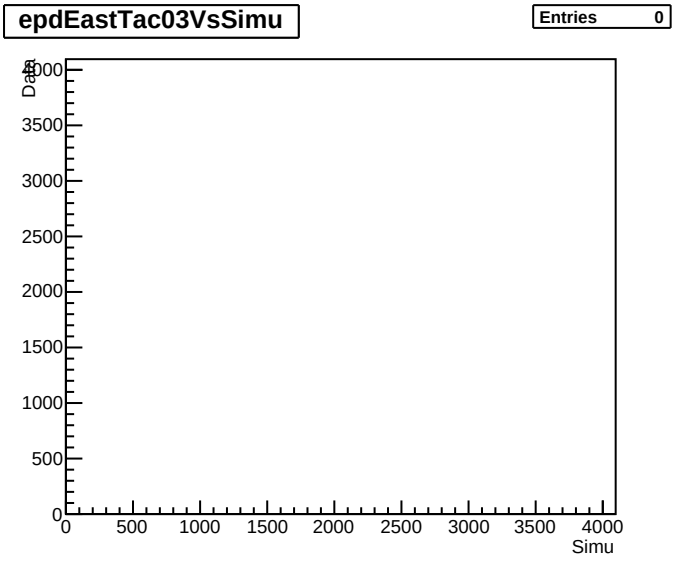

epdWestTacMax
Entries 173152
TAC
DSM Input Channel

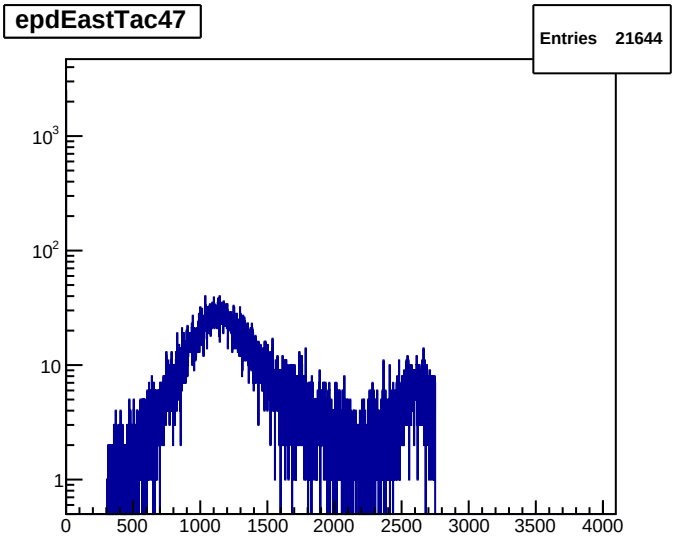

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

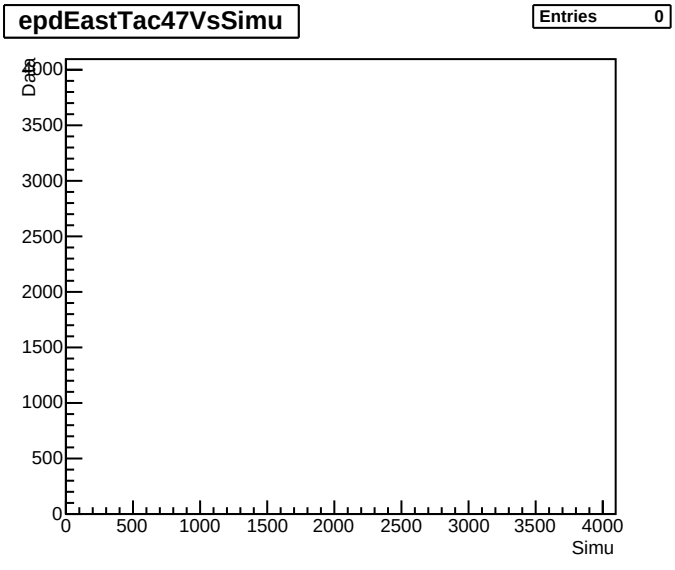

epdWestTHits
Entries 173152
Truncated NHits
DSMInput Channel

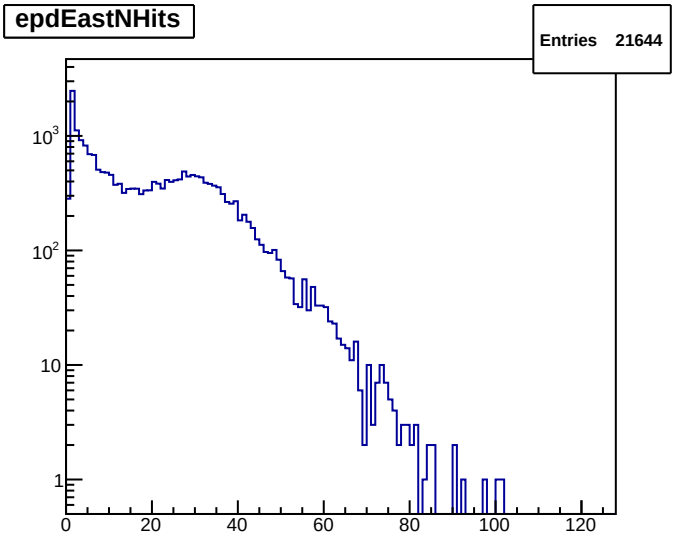

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

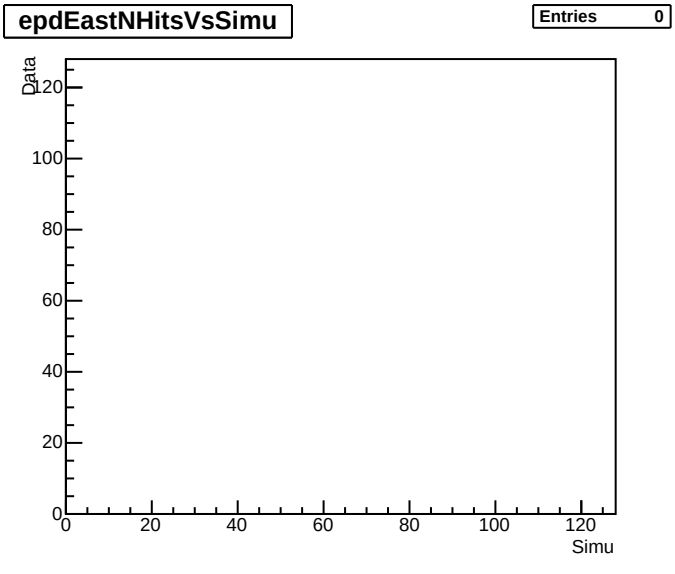

epdEastTac03
Entries 21644

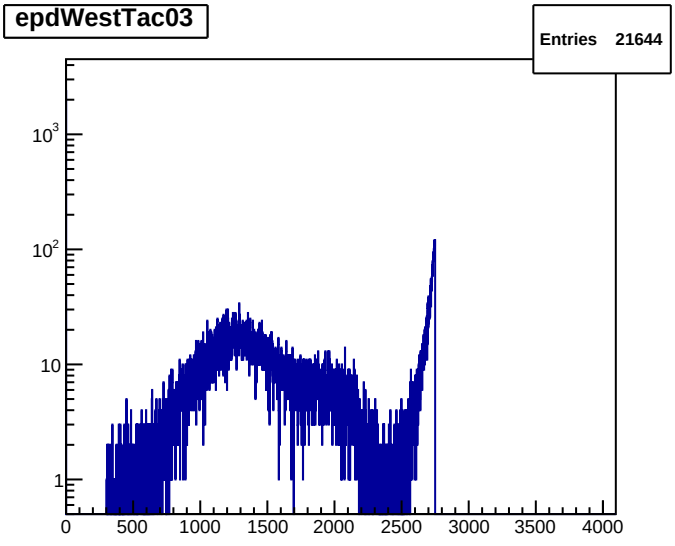

epdEastTac03VsSimu
Entries 0
Data
Simu

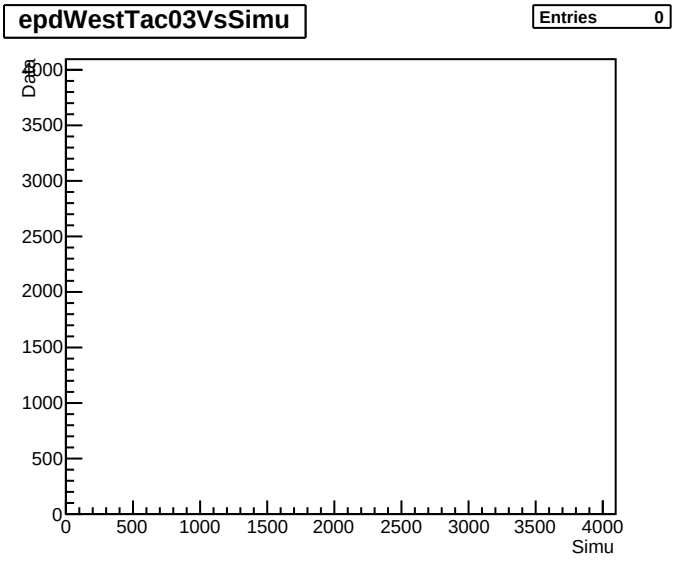

epdEastTac47
Entries 21644

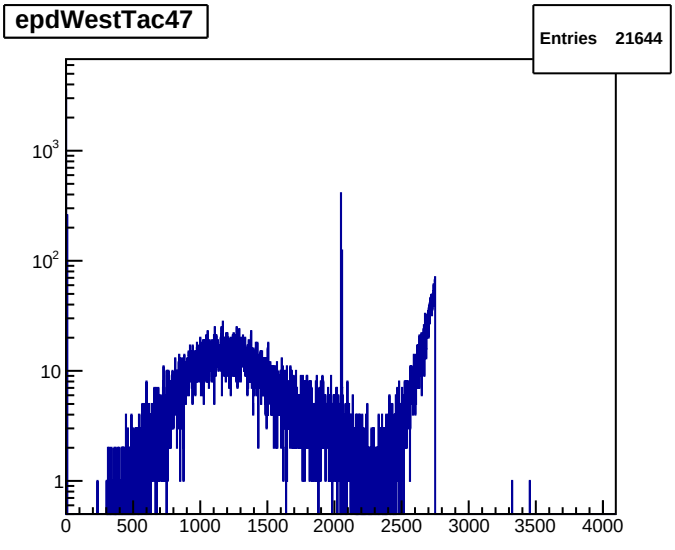

epdEastTac47VsSimu
Entries 0
Data
Simu

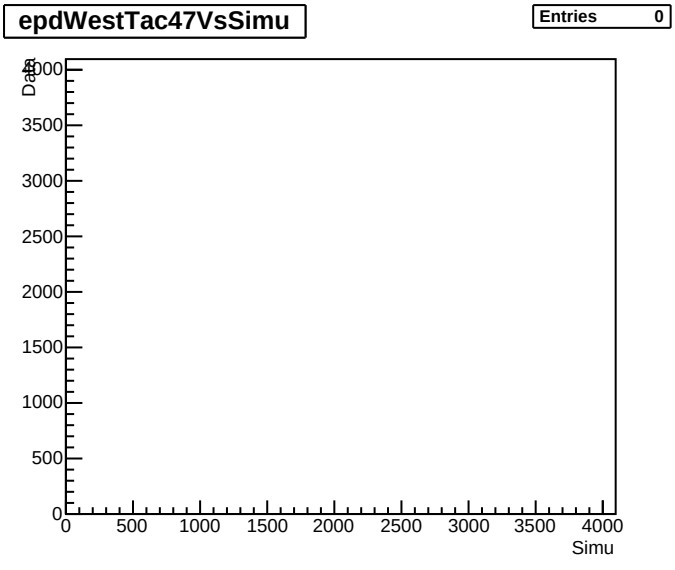

epdEastNHits
Entries 21644

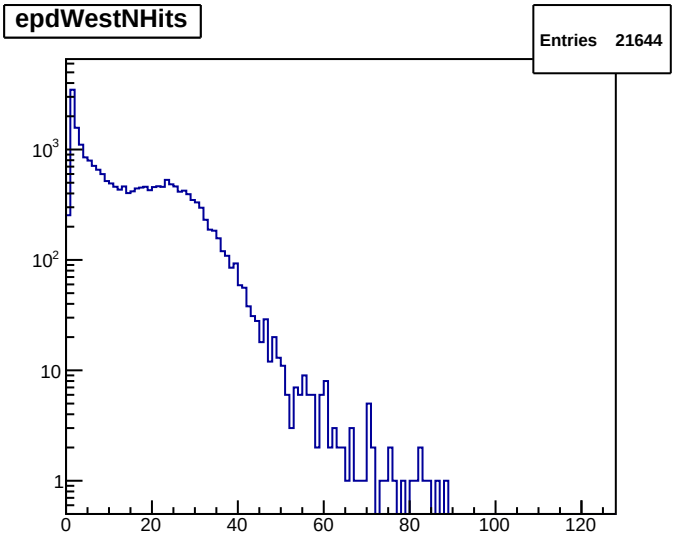

epdEastNHitsVsSimu
Entries 0
Data
Simu

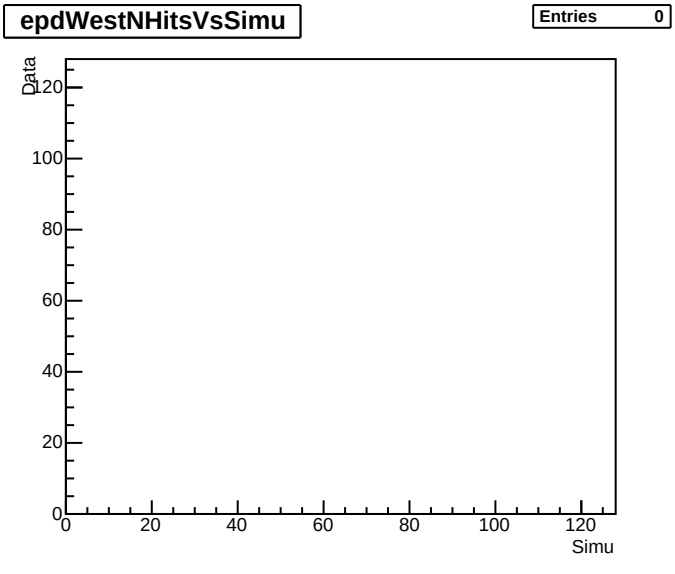

epdWestTac03
Entries 21644
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

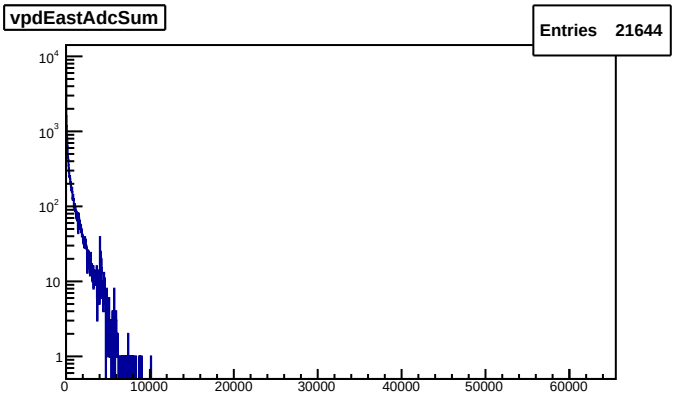

epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

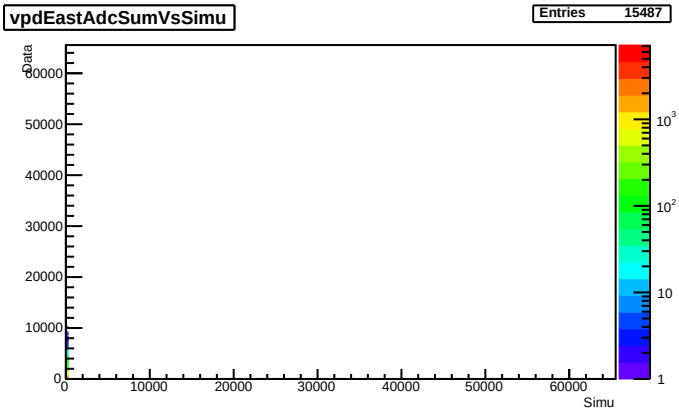

epdWestTac47
Entries 21644
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

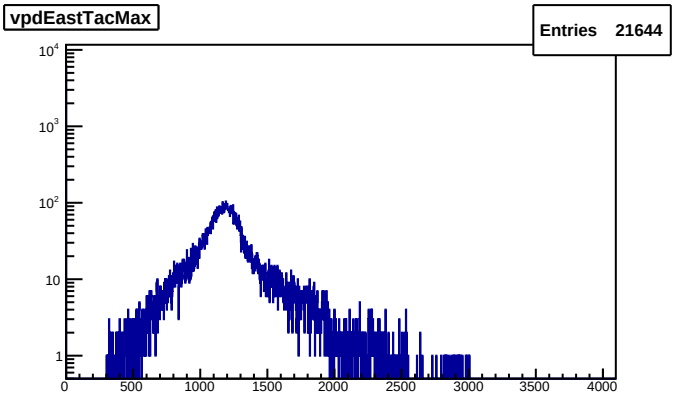

epdWestTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

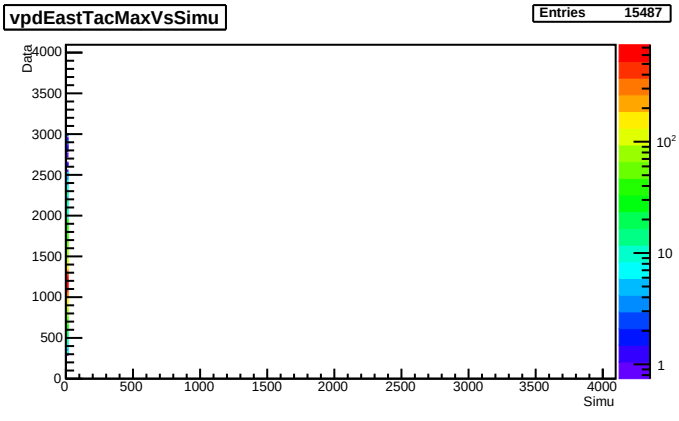

epdWestNHits
Entries 21644
10^3
10^2
10
1
0 20 40 60 80 100 120

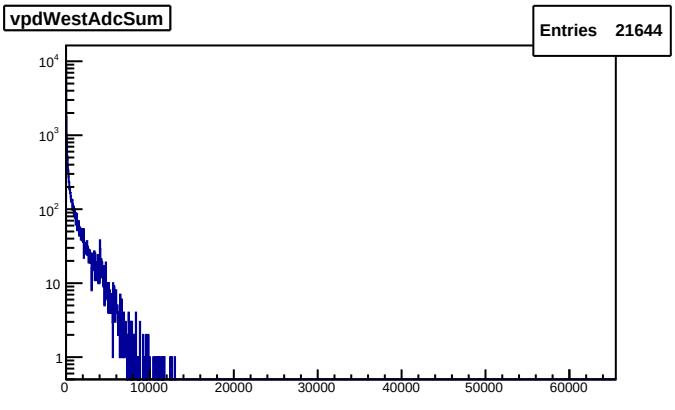

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

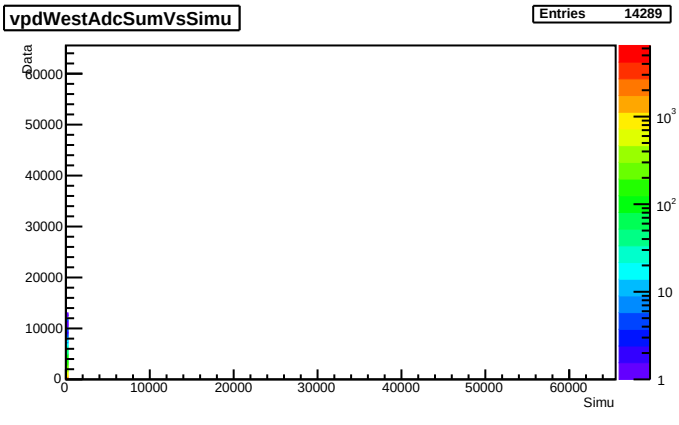

vpdEastAdcSum
Entries 21644

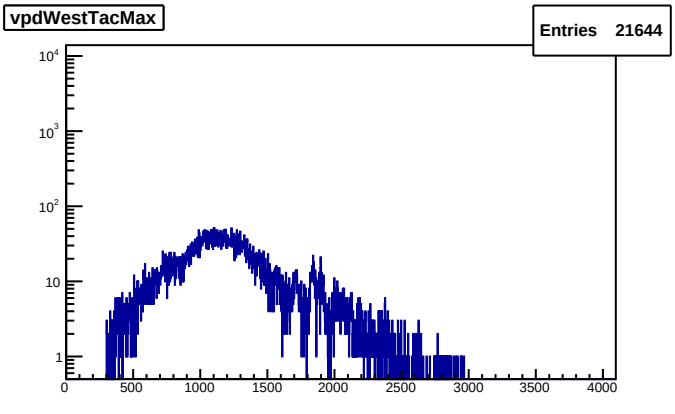

vpdEastAdcSumVsSimu
Entries 15487
Data
Simu

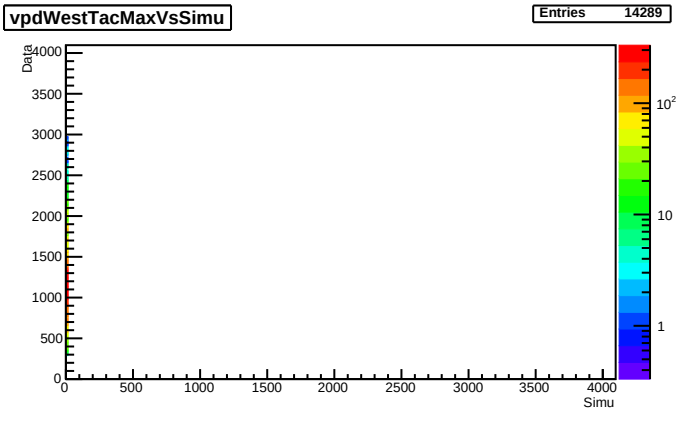

vpdEastTacMax
Entries 21644

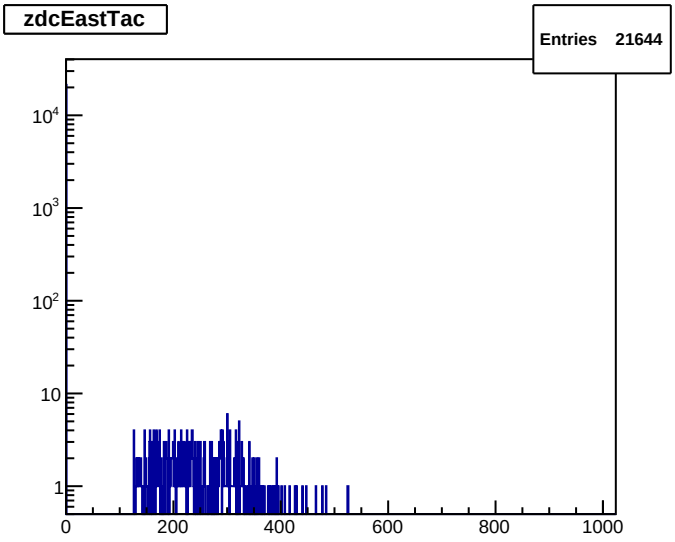

vpdEastTacMaxVsSimu
Entries 15487
Data
Simu

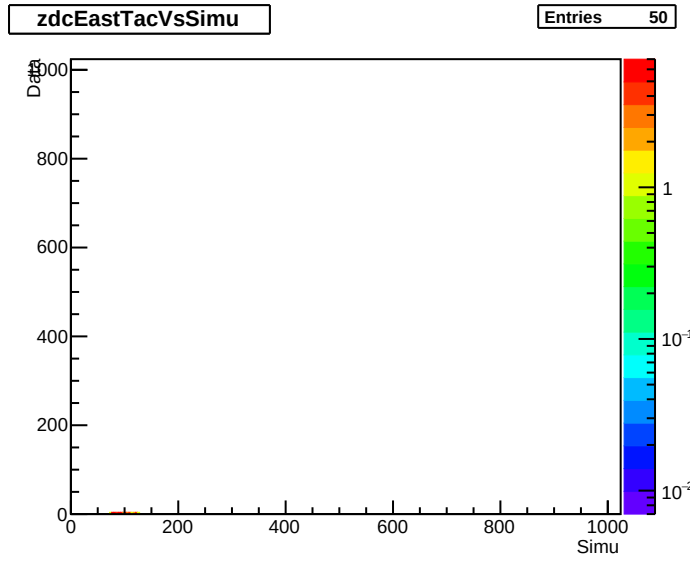

vpdWestAdcSum
Entries 21644

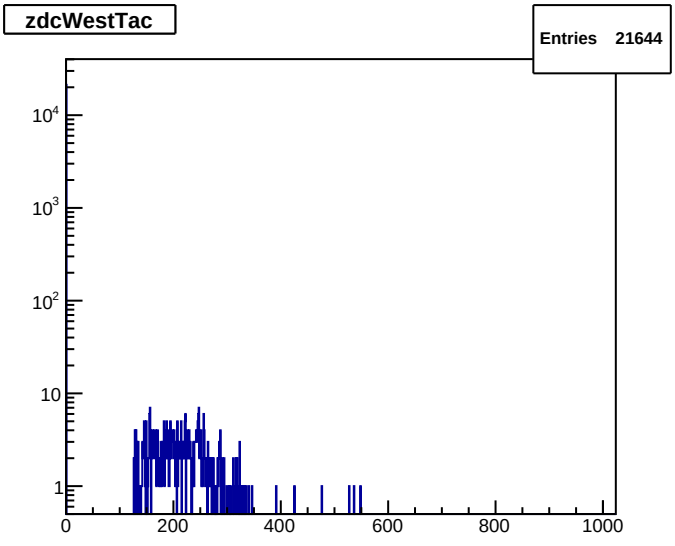

vpdWestAdcSumVsSimu
Entries 14289
Data
Simu

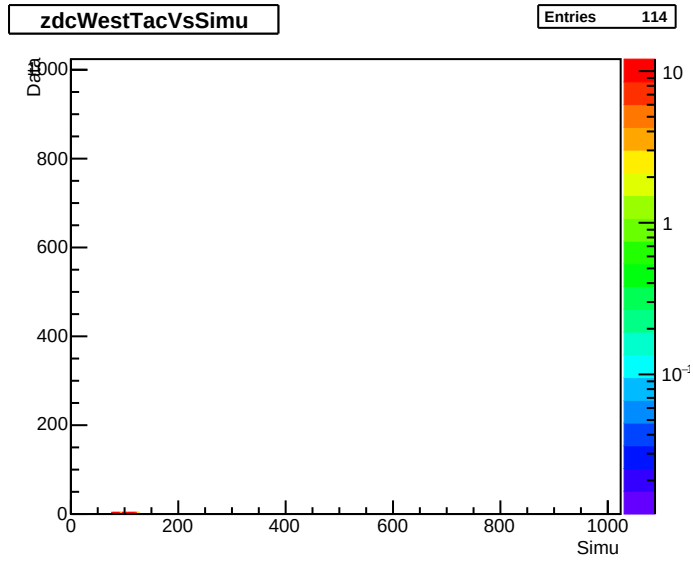

vpdWestTacMax
Entries 21644

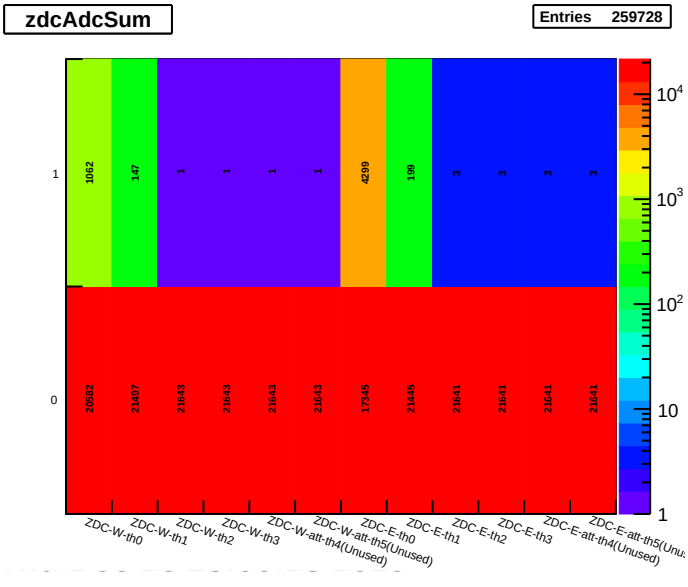

vpdWestTacMaxVsSimu
Entries 14289
Data
Simu

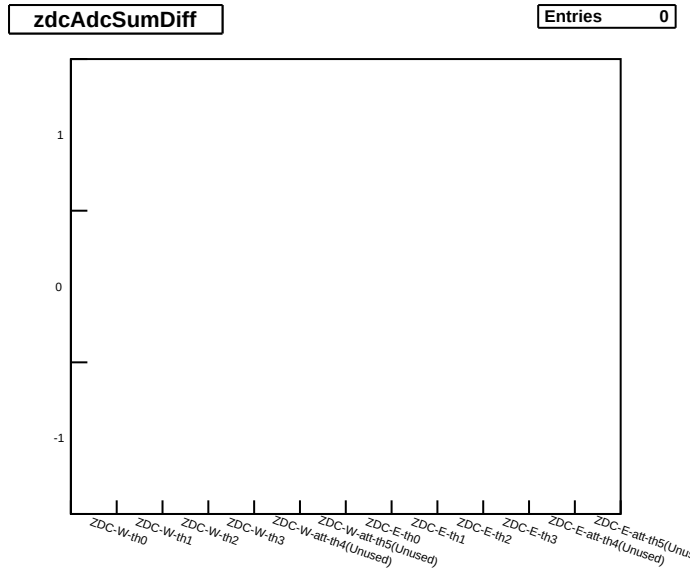

zdcEastTac
Entries 21644

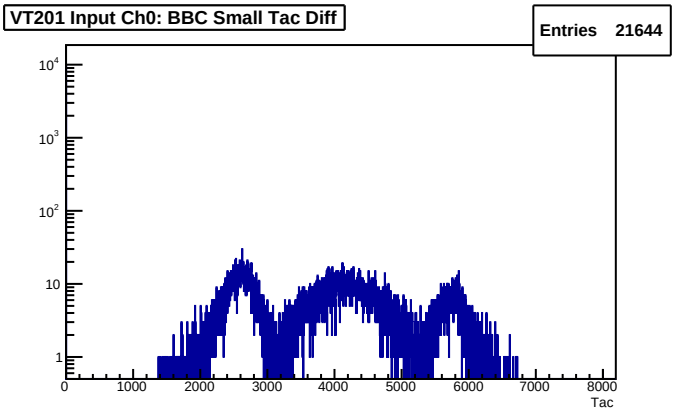

zdcEastTacVsSimu
Entries 50
Data
Simu

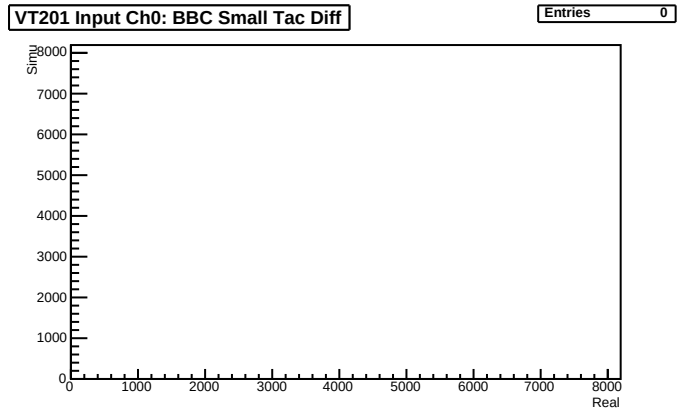

zdcWestTac
Entries 21644

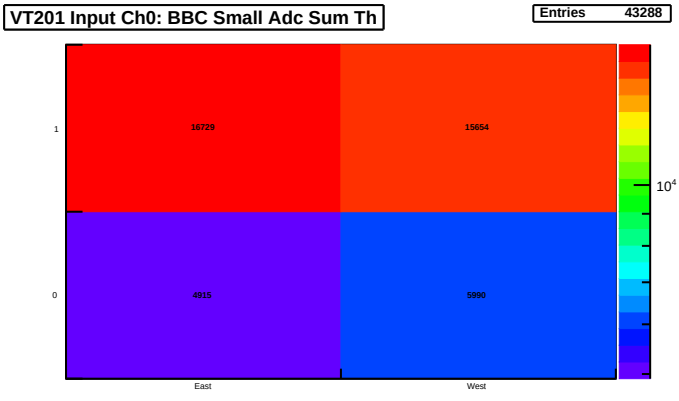

zdcWestTacVsSimu
Entries 114
Data
Simu

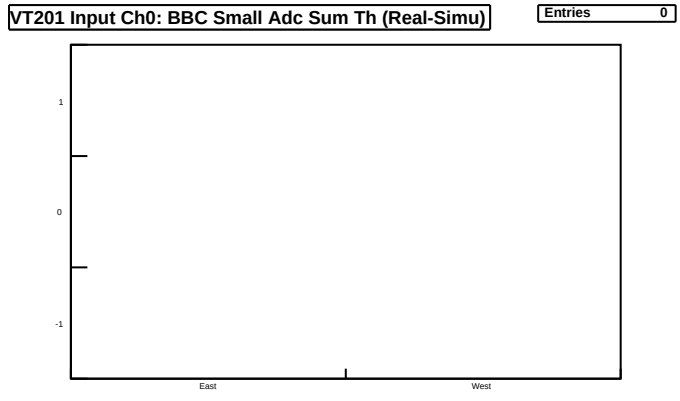

zdcAdcSum
Entries 259728
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

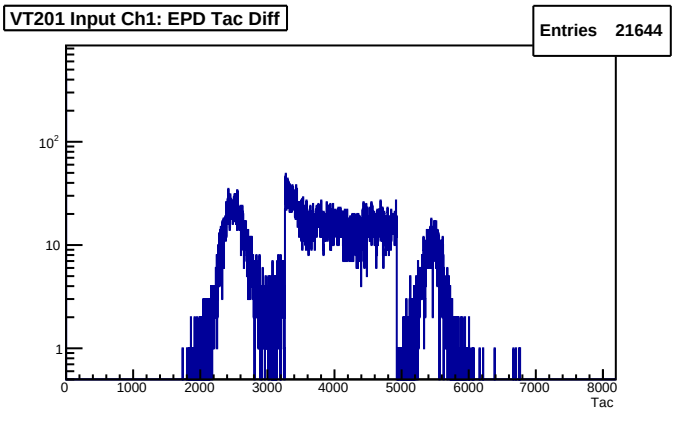

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

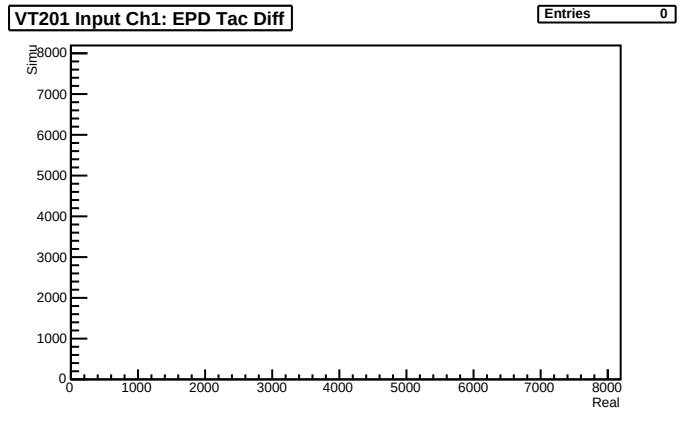

VT201 Input Ch0: BBC Small Tac Diff
Entries 21644
Tac

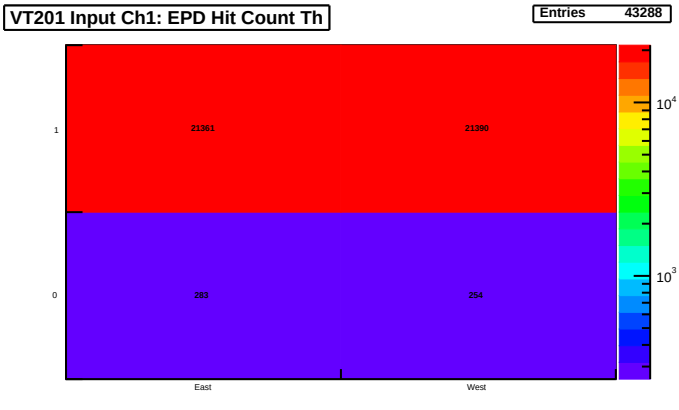

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

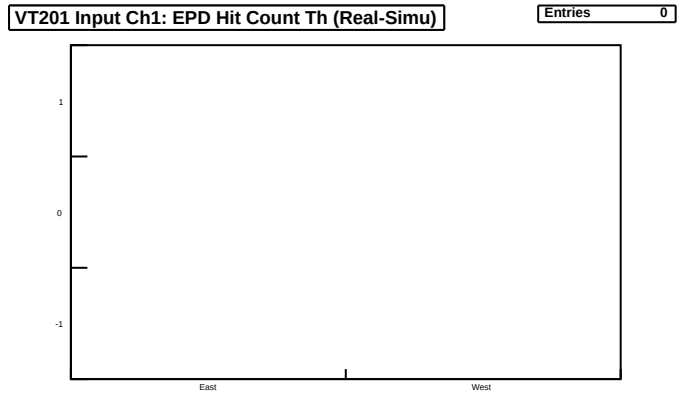

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 43288
16729
15654
4915
5990
East
West

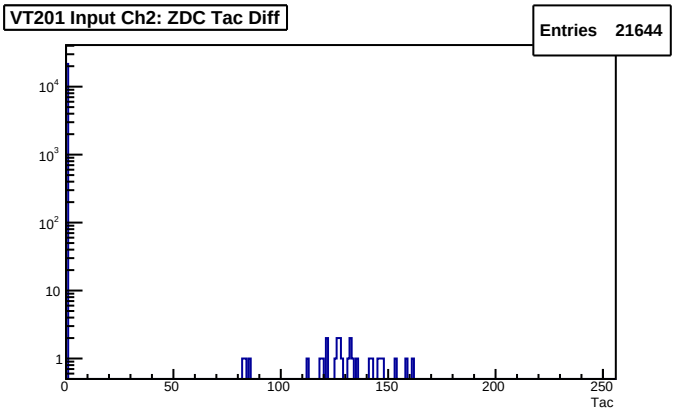

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

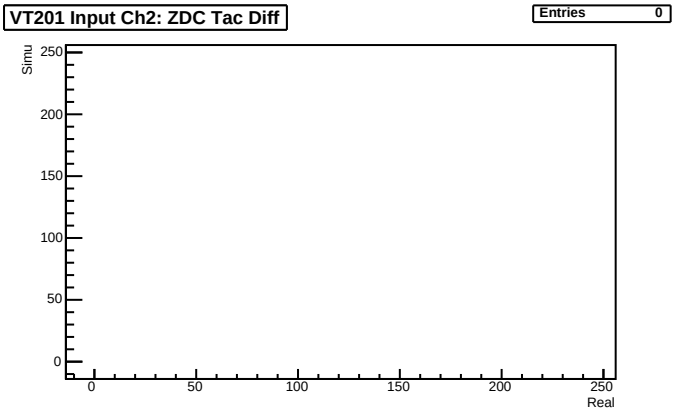

VT201 Input Ch1: EPD Tac Diff
Entries 21644
Tac

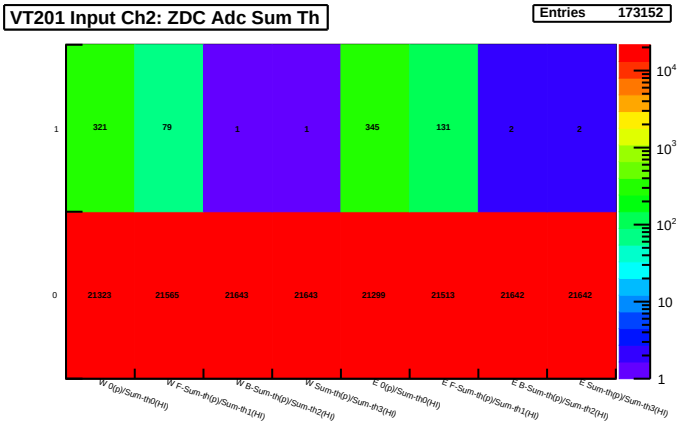

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

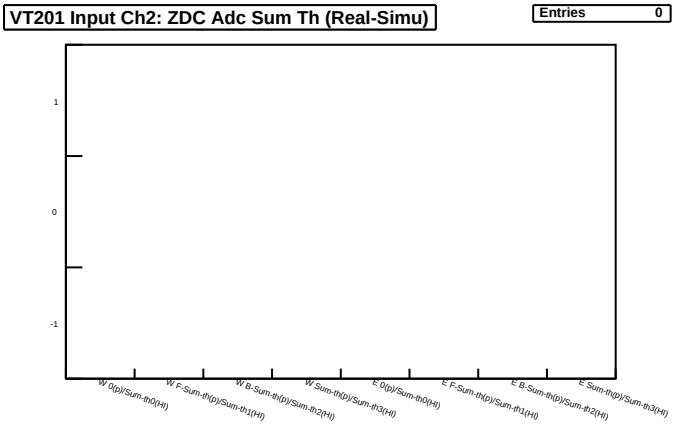

VT201 Input Ch1: EPD Hit Count Th
Entries 43288
21361
21390
283
254
East
West

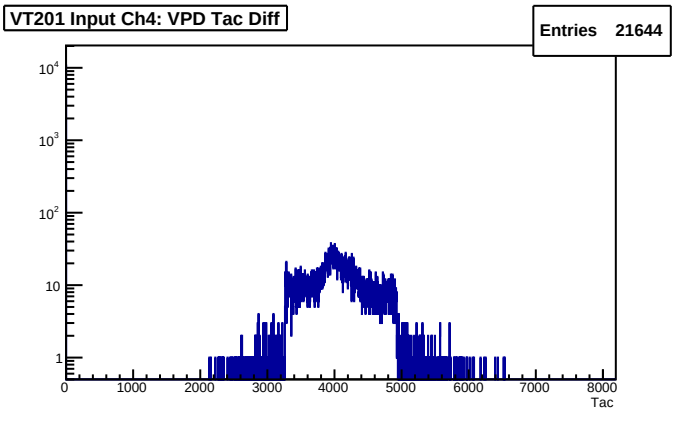

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

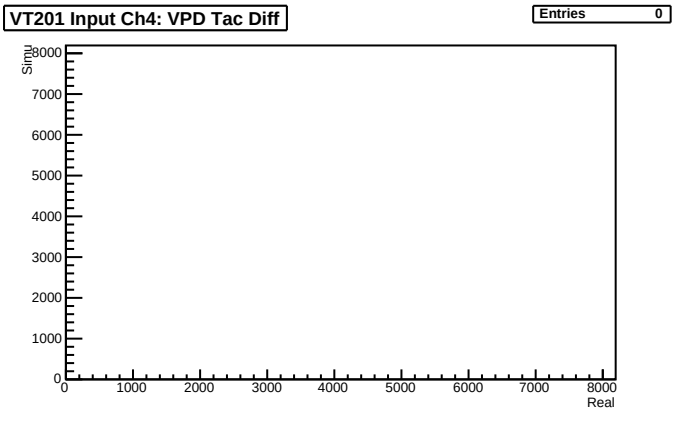

VT201 Input Ch2: ZDC Tac Diff
Entries 21644
Tac

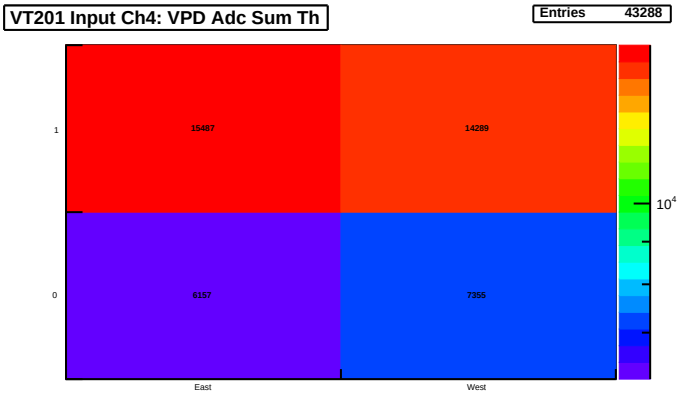

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

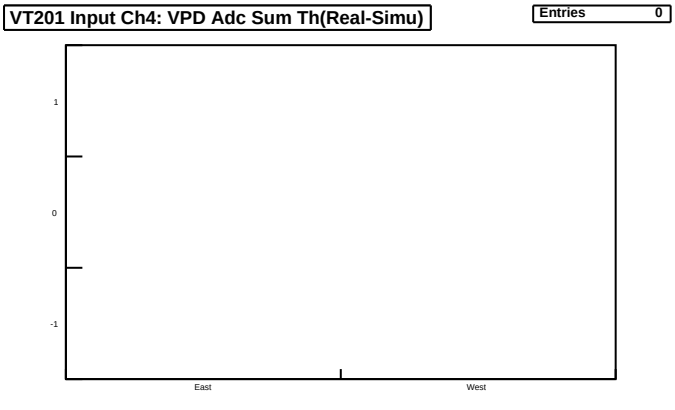

VT201 Input Ch2: ZDC Adc Sum Th
Entries 173152
321 79 1 1 345 131 2 2
21323 21565 21643 21643 21299 21513 21642 21642
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

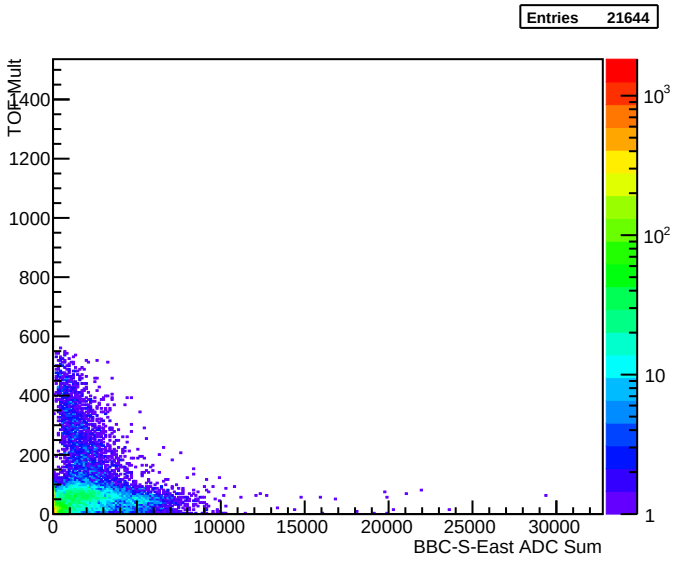

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

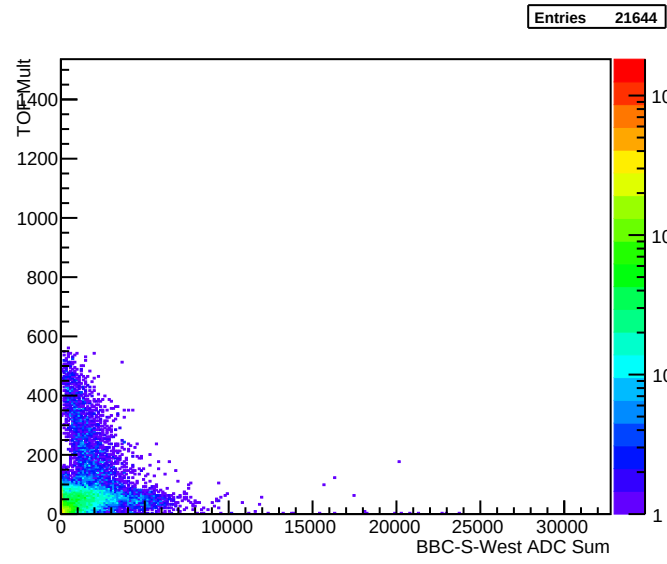

VT201 Input Ch4: VPD Tac Diff
Entries 21644
Tac

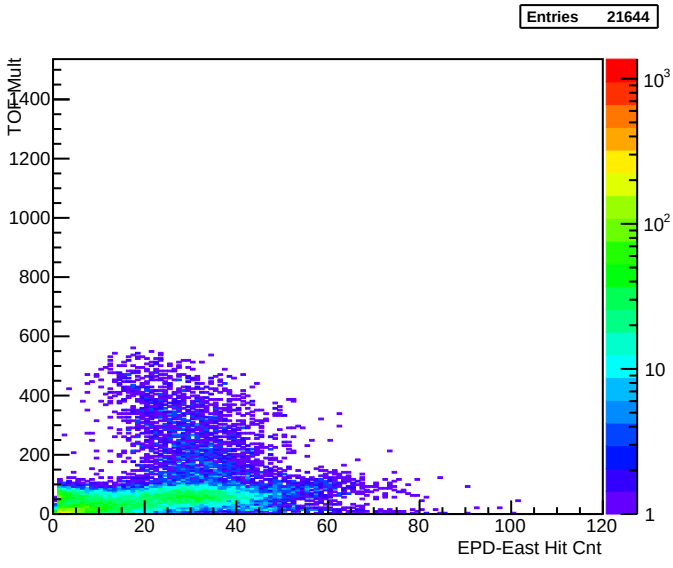

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

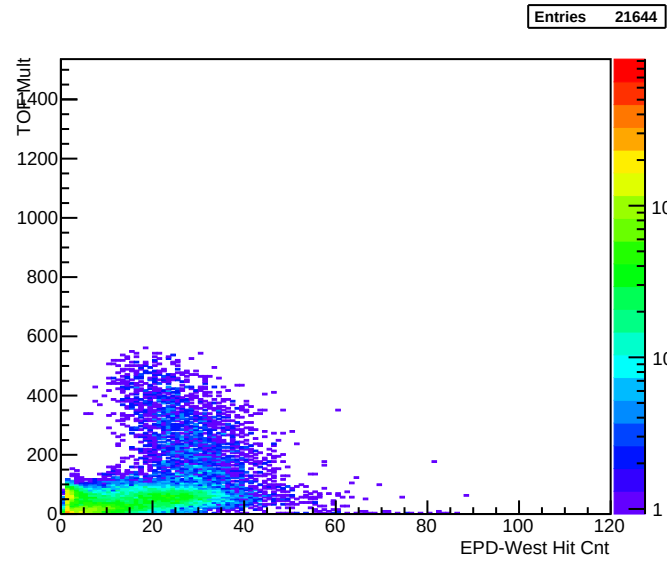

VT201 Input Ch4: VPD Adc Sum Th
Entries 43288
15487 14289
6157 7355
East
West

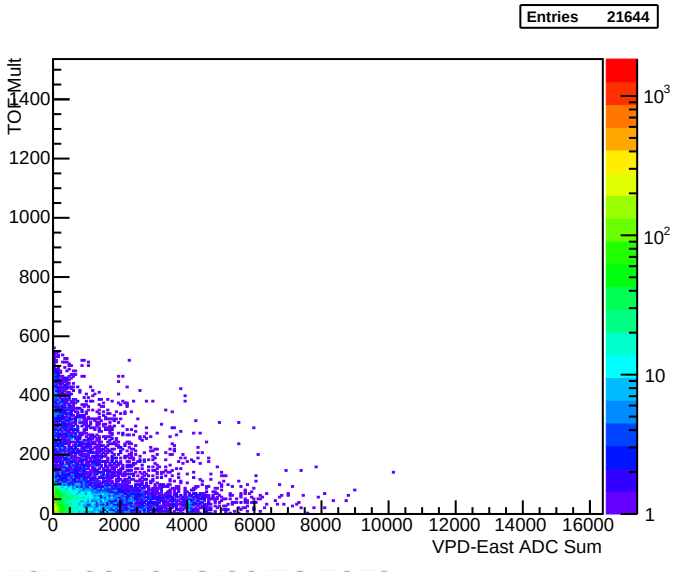

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

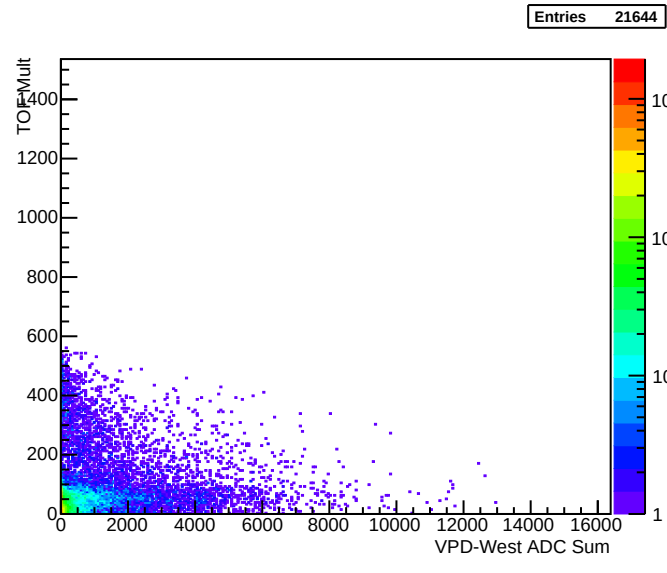

Entries 21644
TOF-Mult
BBC-S-East ADC Sum

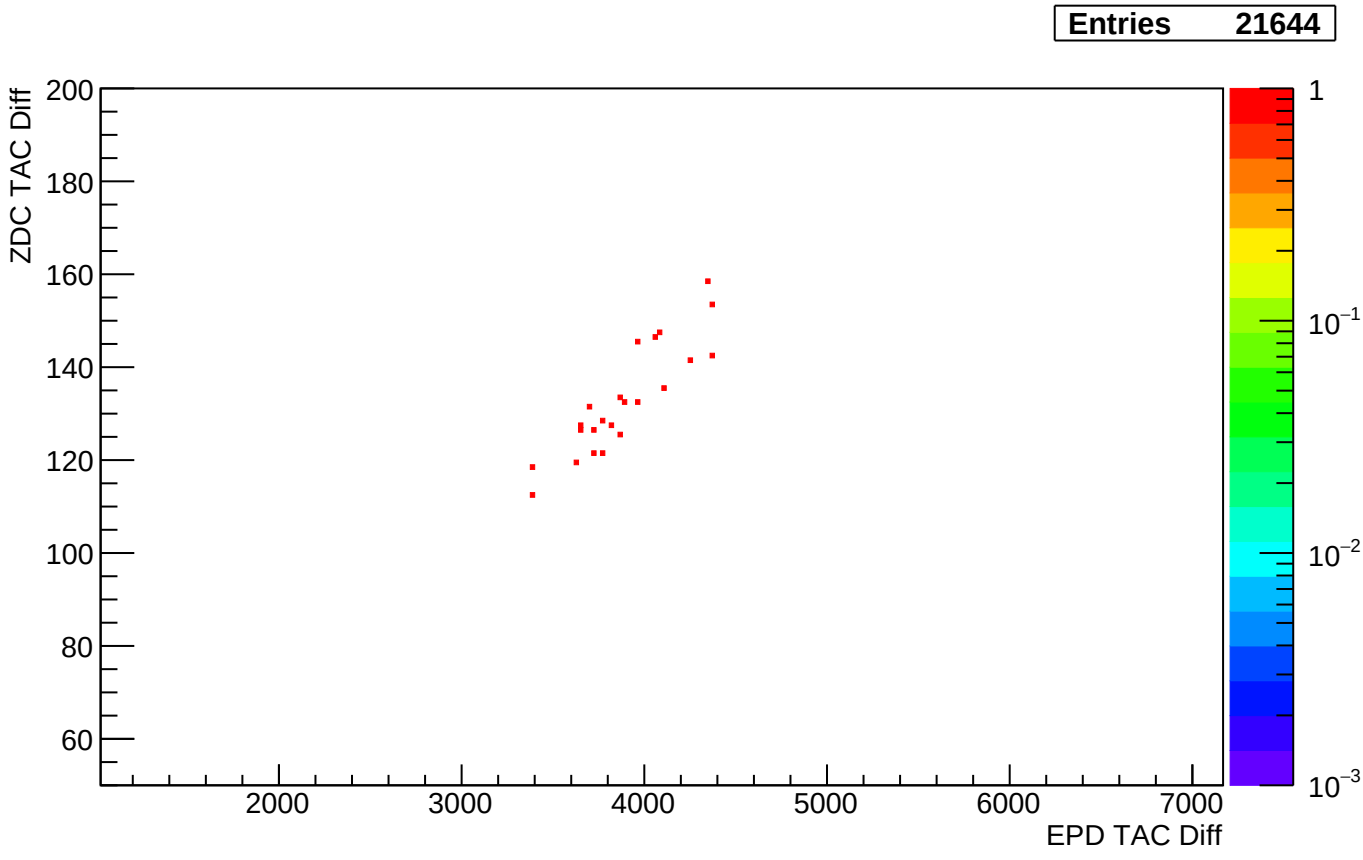

Entries 21644
TOF-Mult
BBC-S-West ADC Sum

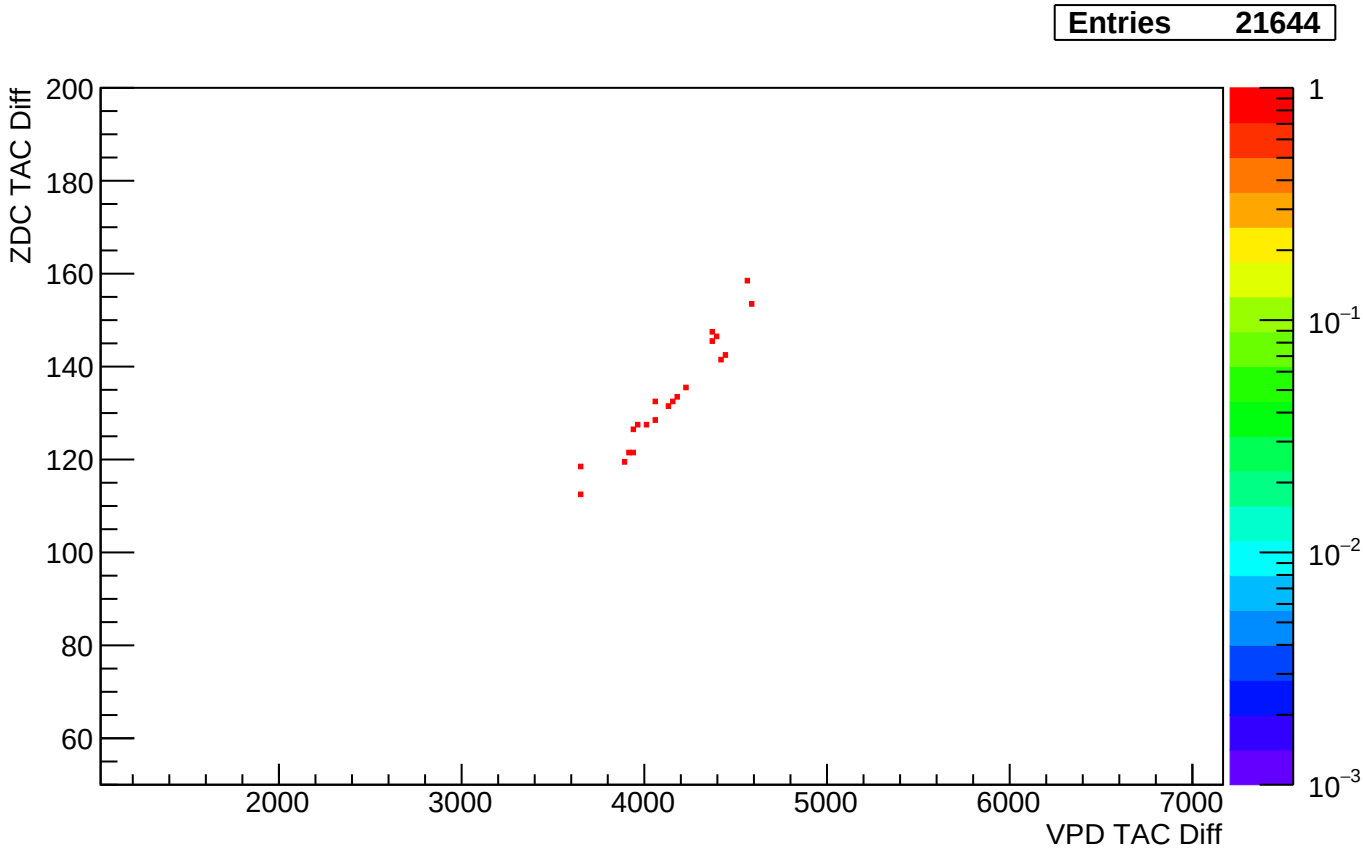

Entries 21644
TOF-Mult
EPD-East Hit Cnt

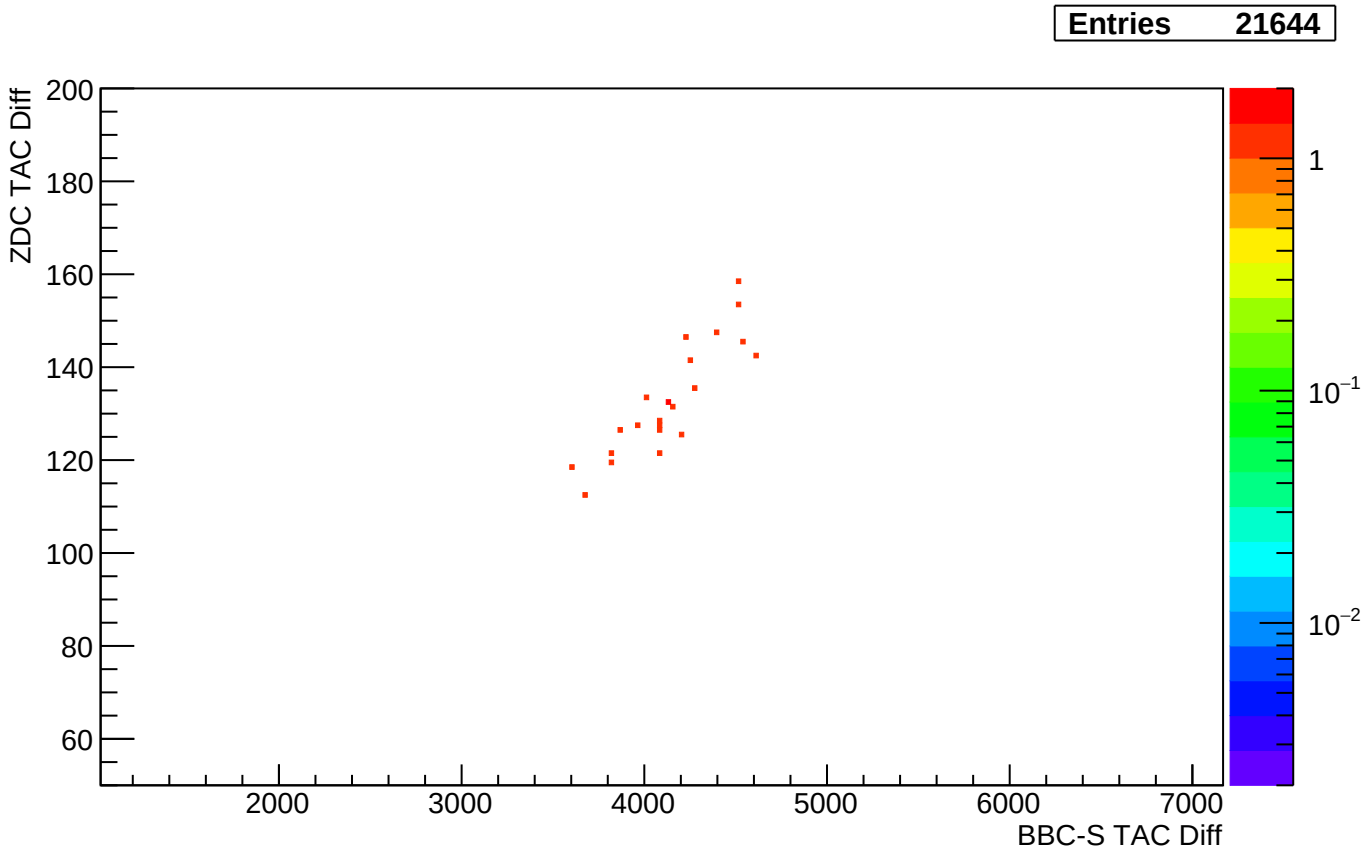

Entries 21644
TOF-Mult
EPD-West Hit Cnt

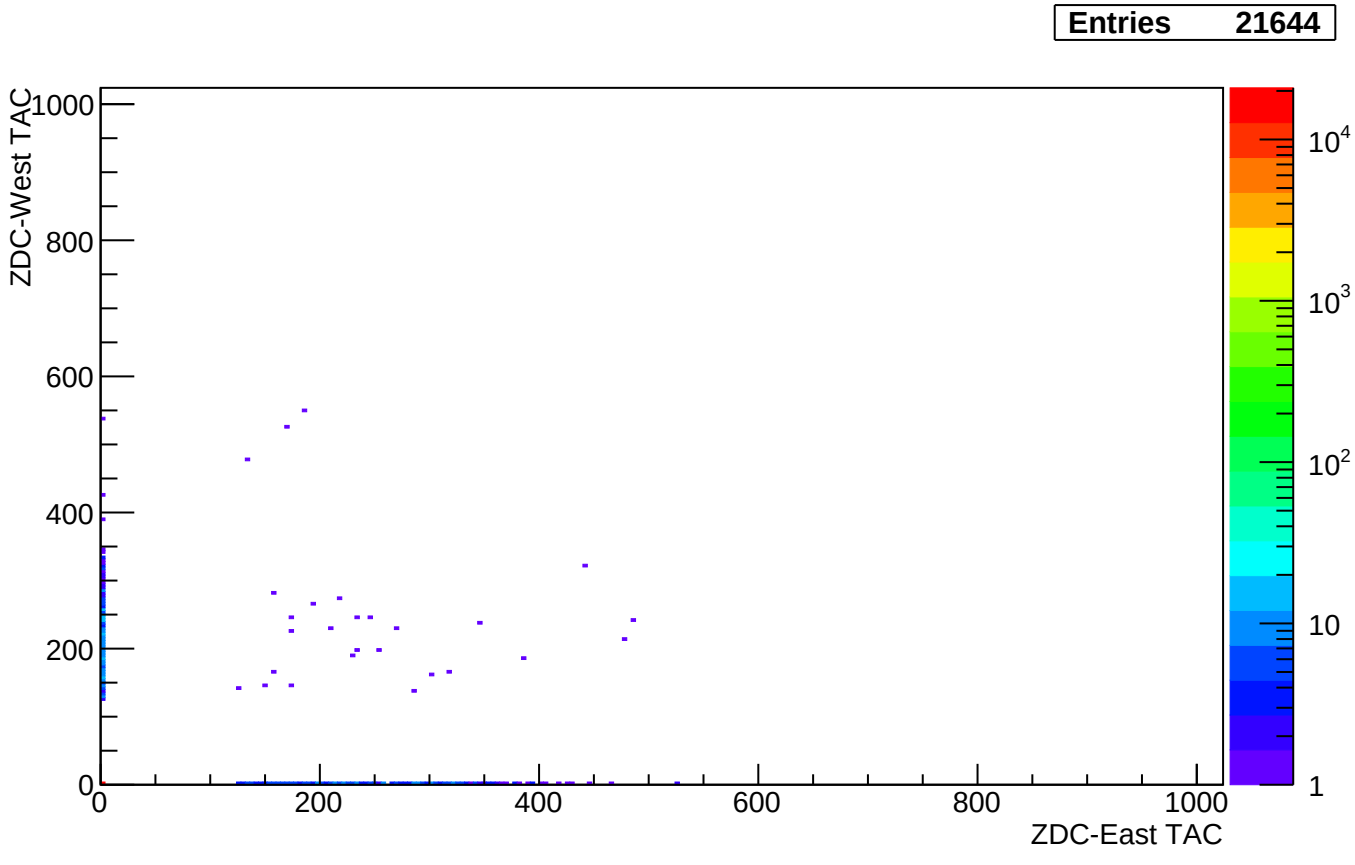

Entries 21644
TOF-Mult
VPD-East ADC Sum

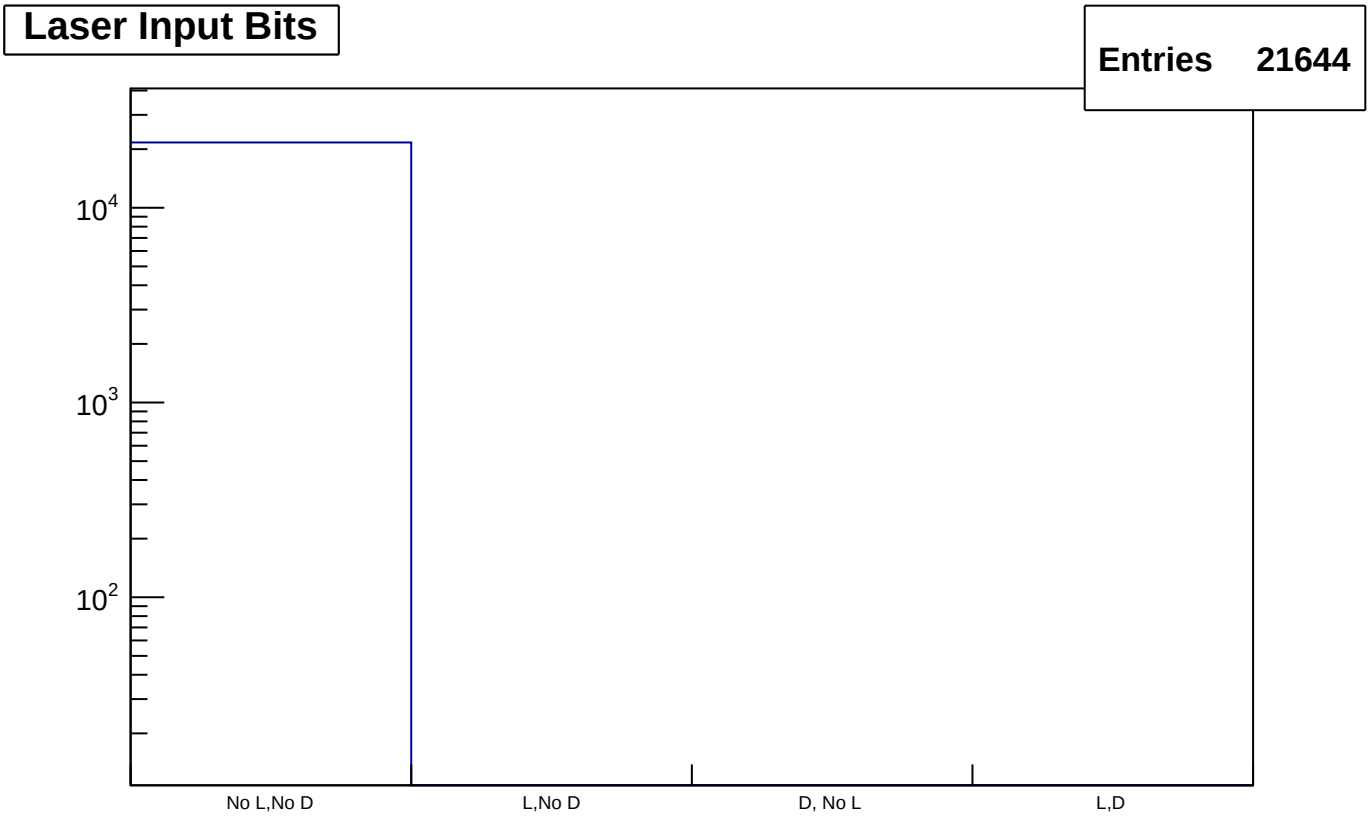

Entries 21644
TOF-Mult
VPD-West ADC Sum

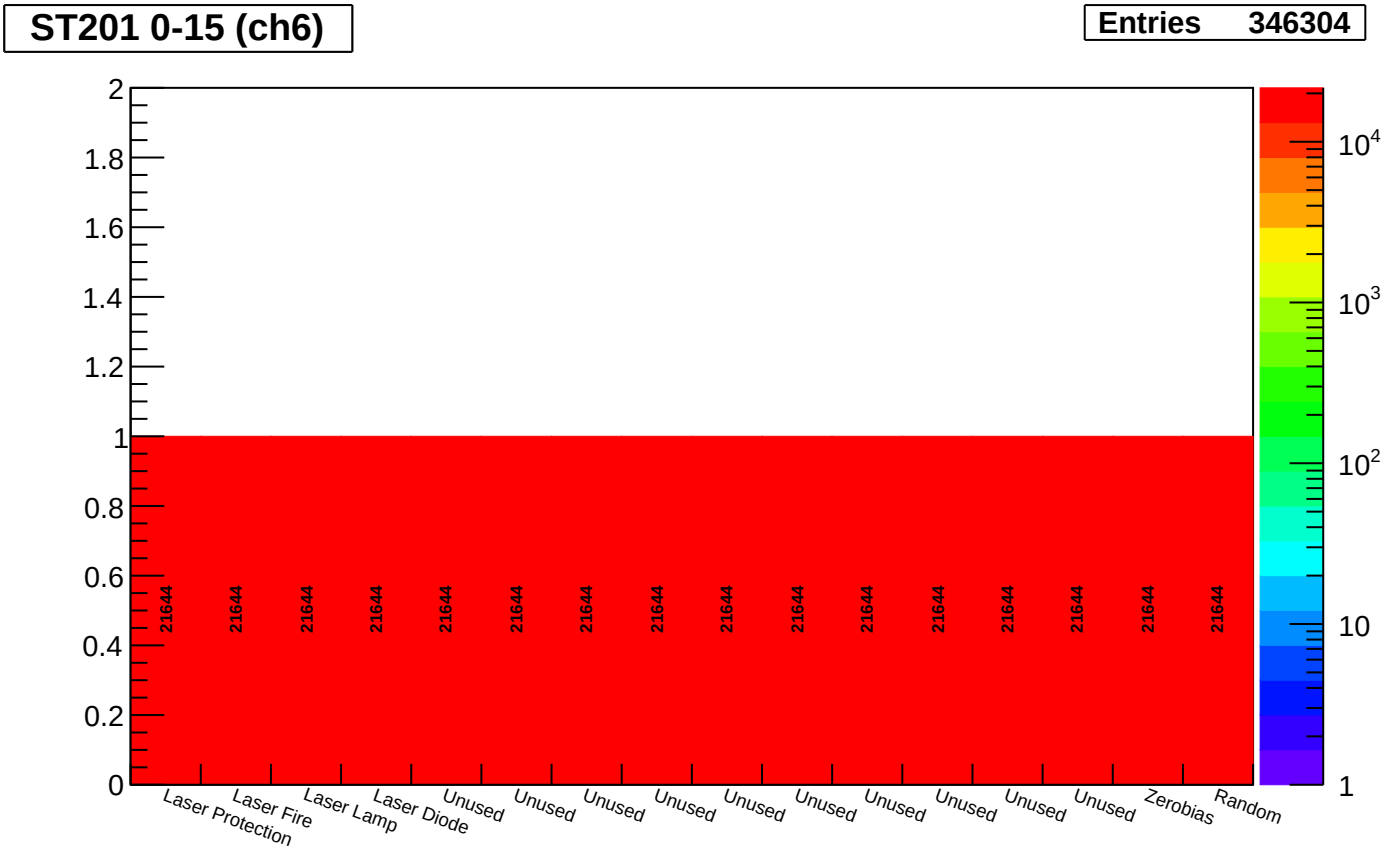

Entries 21644
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

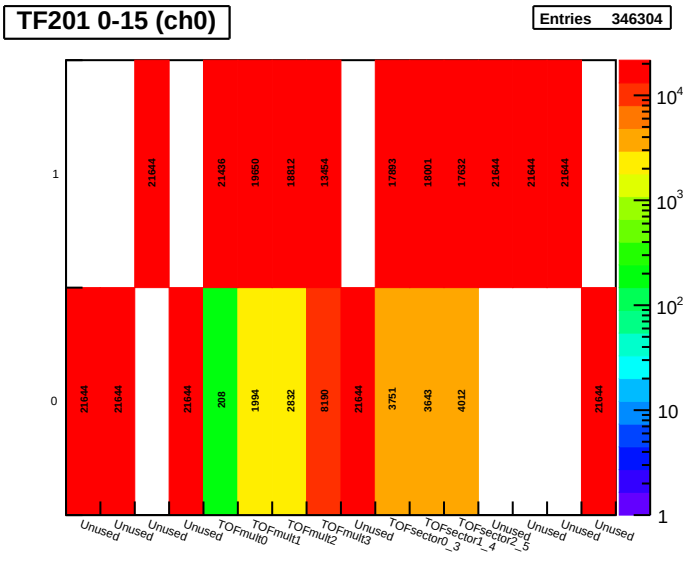

Entries 21644
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

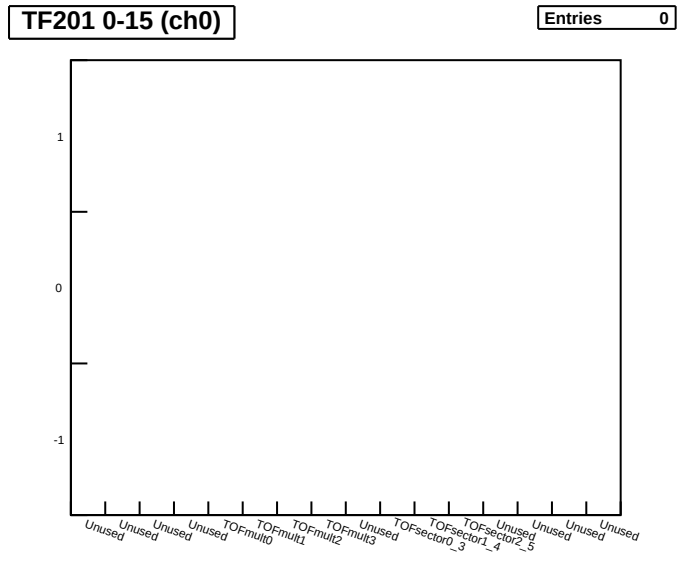

Entries 21644
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

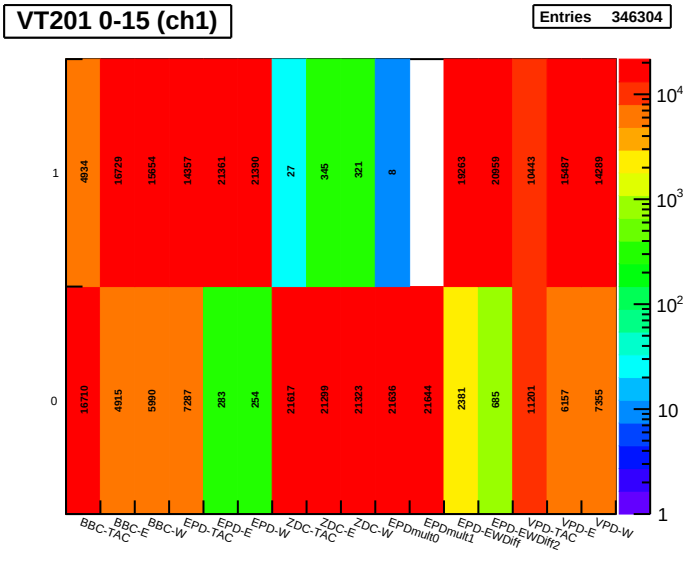

Entries 21644
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

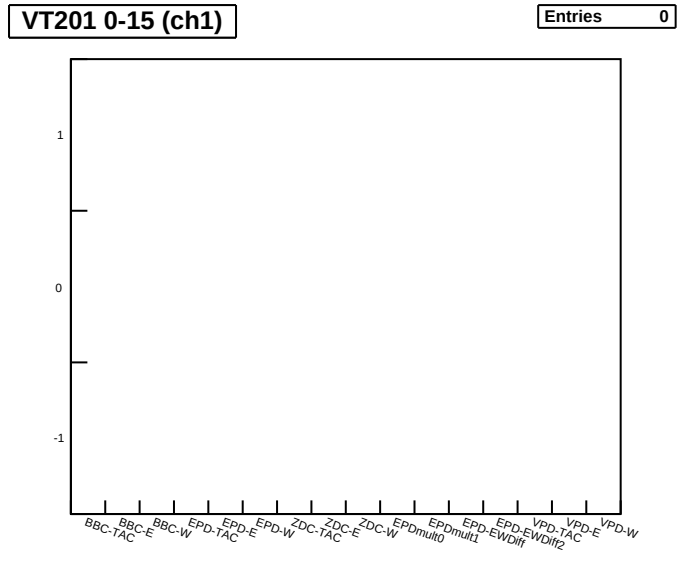

Laser Input Bits
Entries 21644
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

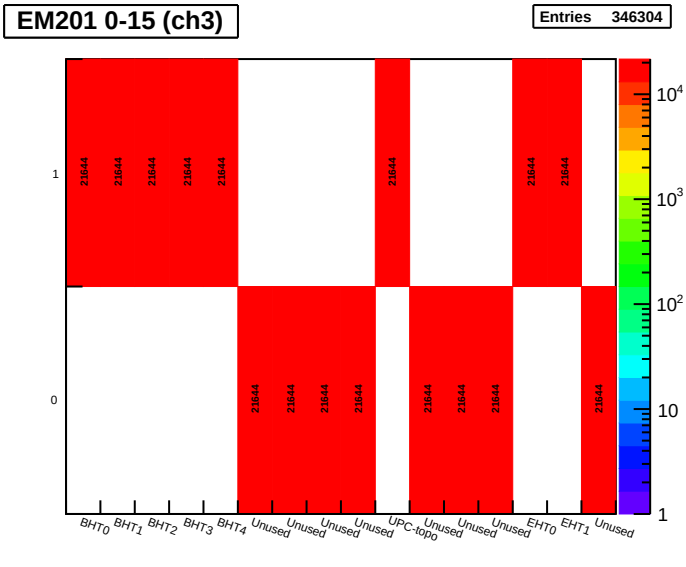

ST201 0-15 (ch6)
Entries 346304
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
21644
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

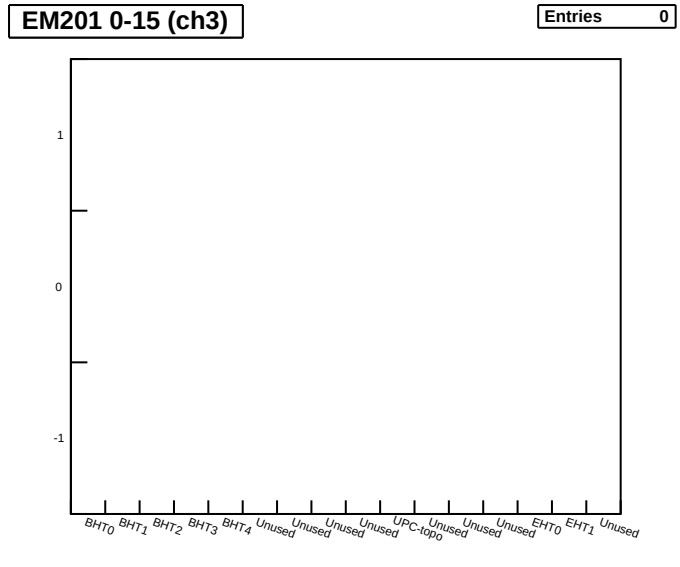

TF201 0-15 (ch0)
Entries 346304
1
0
21644 21436 19650 18812 13454 17893 18001 17632 21644 21644 21644
21644 21644 21644 208 1994 2832 8190 21644 3751 3643 4012 21644
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
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 346304
1
0
4934 15729 15654 14357 21361 21390 27 345 321 8 19263 20959 10443 15487 14289
16710 4915 5990 7287 283 254 21617 21299 21323 21636 21644 2381 685 11201 6157 7355
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 346304
1
0
21644 21644 21644 21644 21644 21644 21644 21644
21644 21644 21644 21644 21644 21644 21644 21644
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