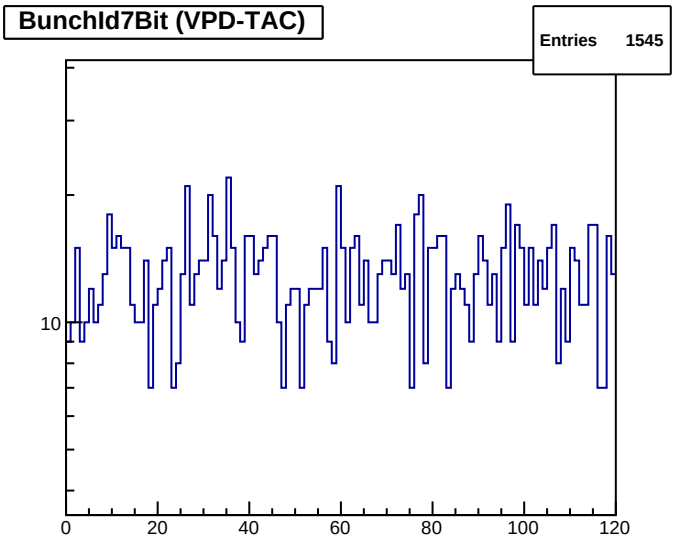
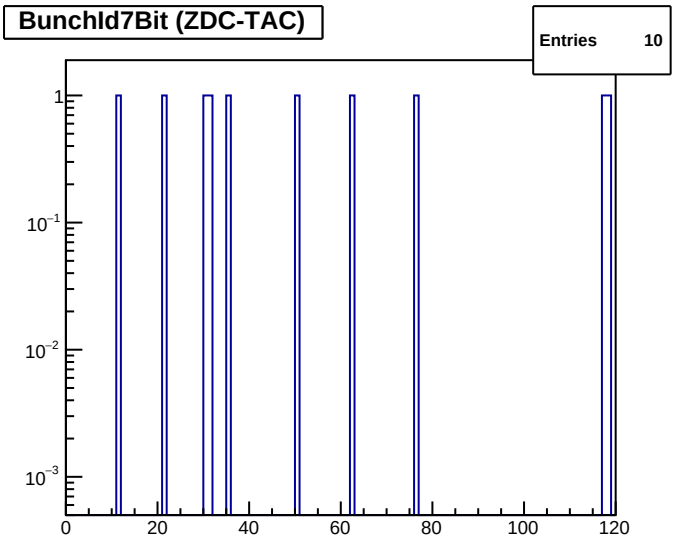
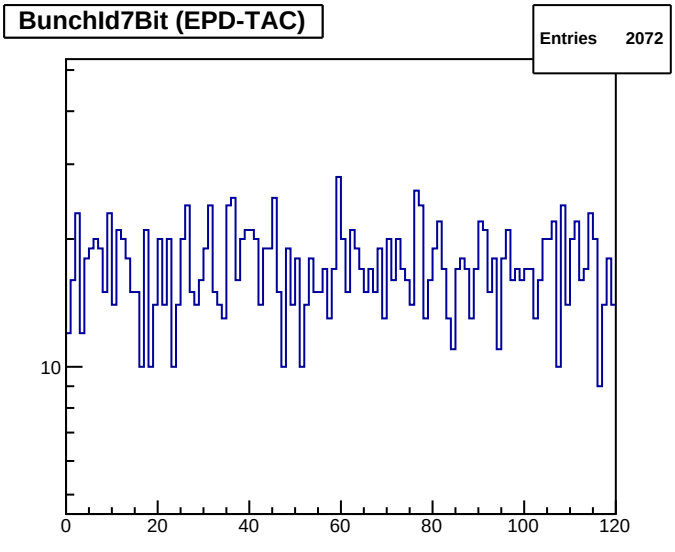
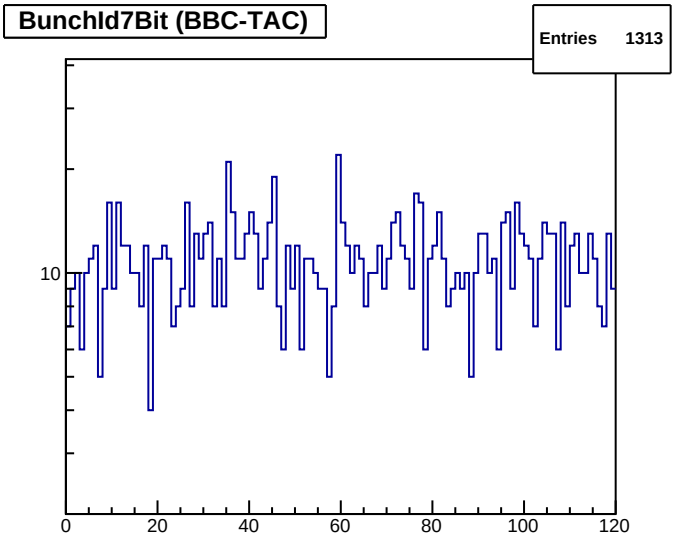
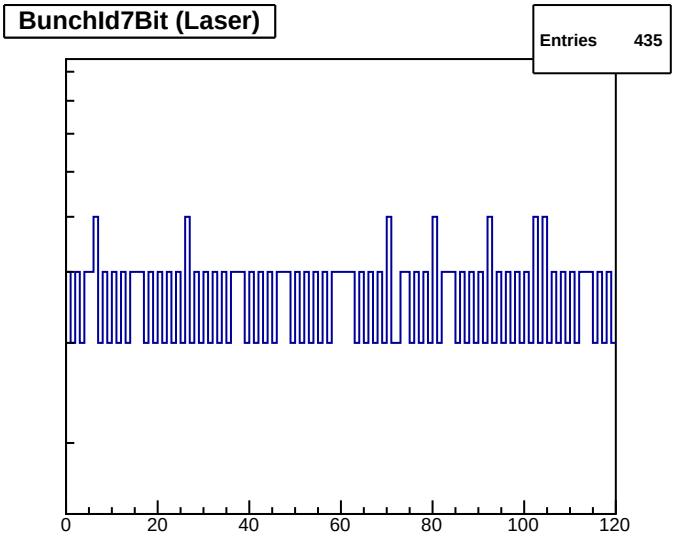
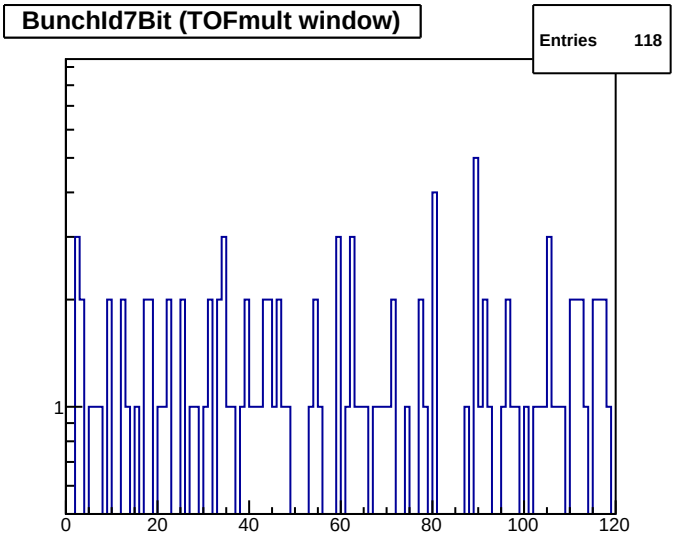

BunchId7Bit (VPD-TAC)
Entries 1545
10
0
20
40
60
80
100
120

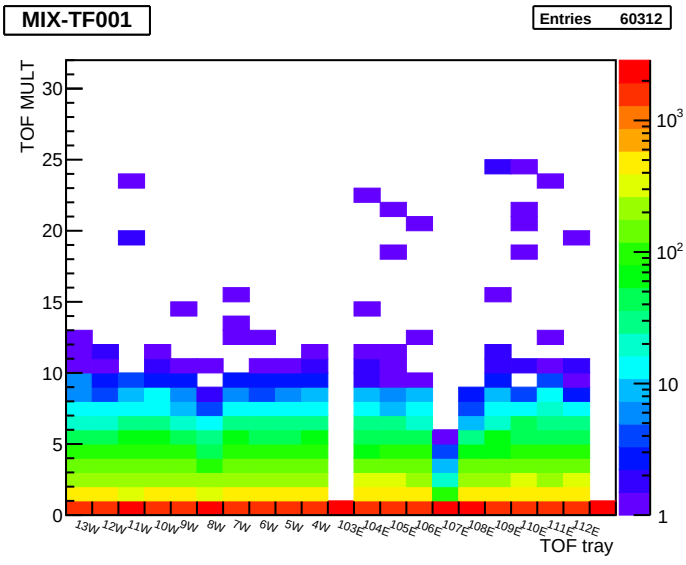

BunchId7Bit (ZDC-TAC)
Entries 10
1
10^{-1}
10^{-2}
10^{-3}
0
20
40
60
80
100
120

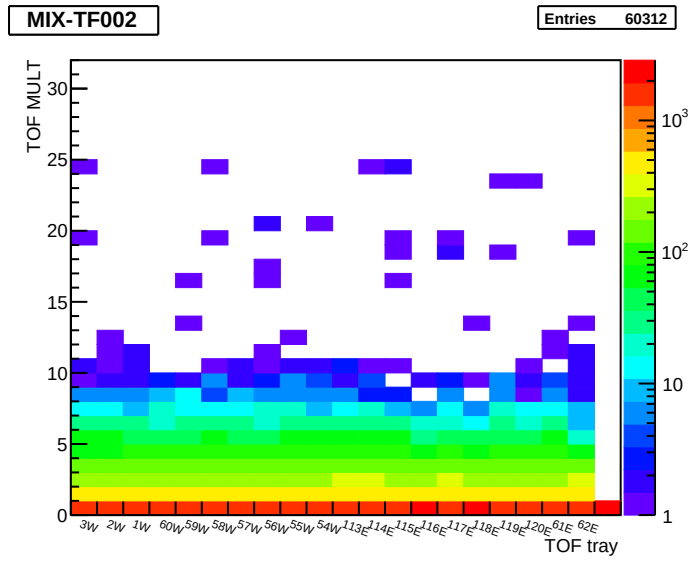

BunchId7Bit (EPD-TAC)
Entries 2072
10
0
20
40
60
80
100
120

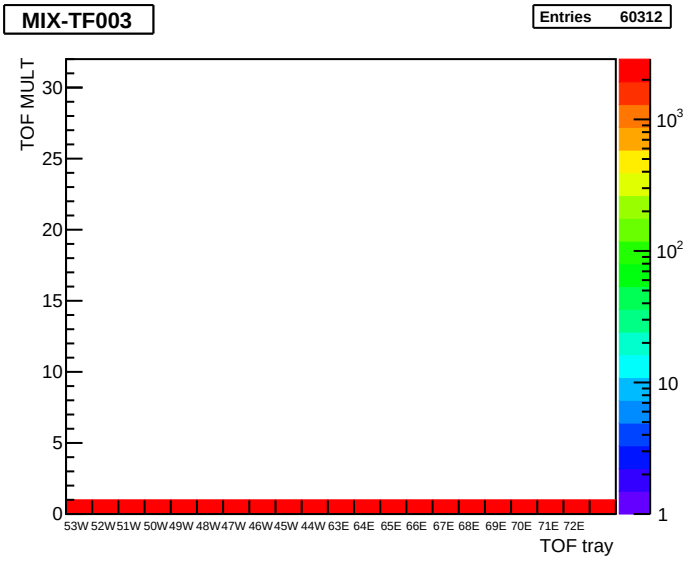

BunchId7Bit (BBC-TAC)
Entries 1313
10
0
20
40
60
80
100
120

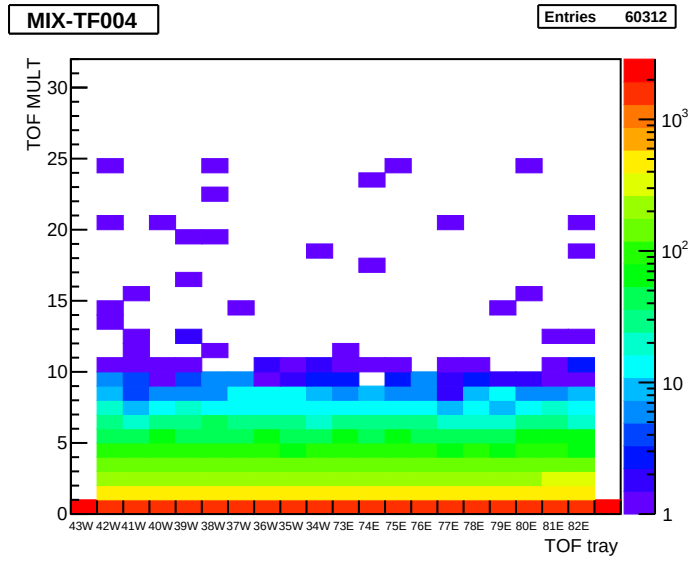

BunchId7Bit (Laser)
Entries 435
0
20
40
60
80
100
120

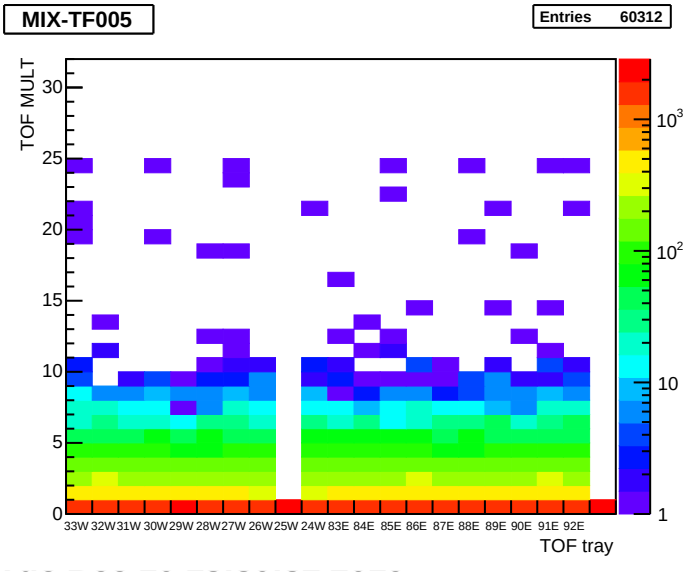

BunchId7Bit (TOFmult window)
Entries 118
1
0
20
40
60
80
100
120

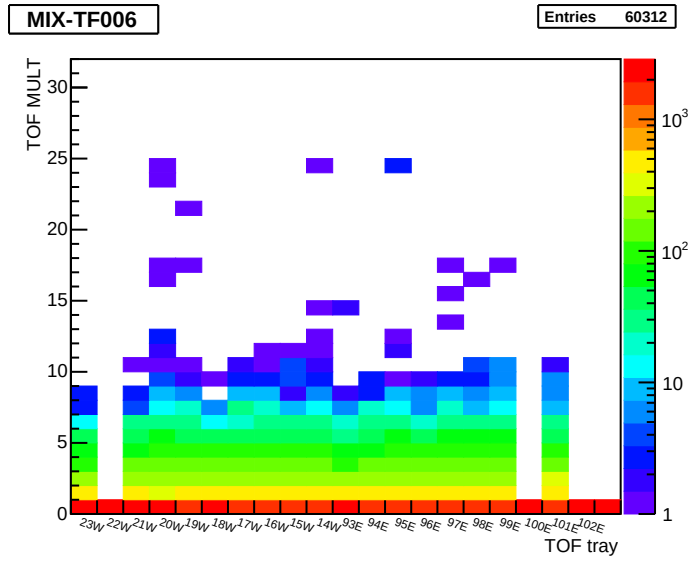

MIX-TF001
Entries 60312
TOF MULT
TOF tray

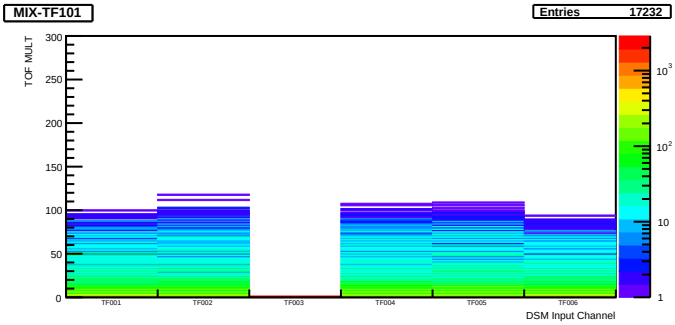

MIX-TF002
Entries 60312
TOF MULT
TOF tray

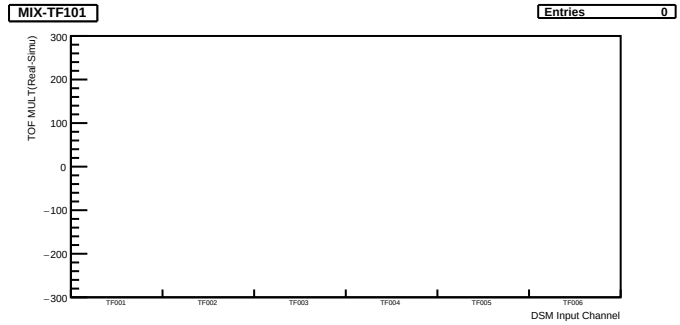

MIX-TF003
Entries 60312
TOF MULT
TOF tray

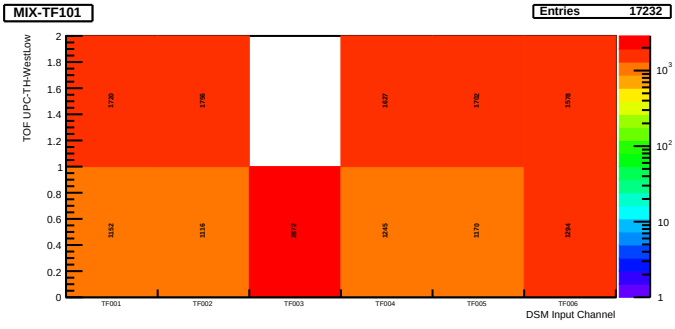

MIX-TF004
Entries 60312
TOF MULT
TOF tray

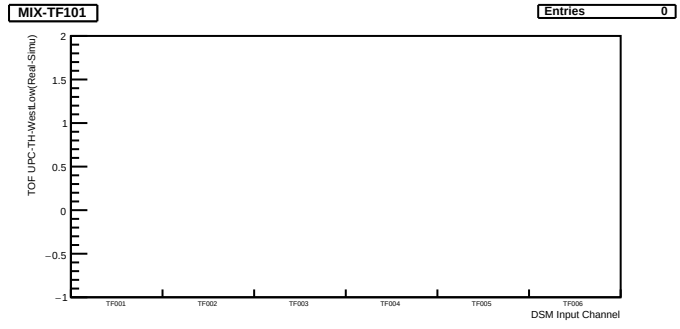

MIX-TF005
Entries 60312
TOF MULT
TOF tray

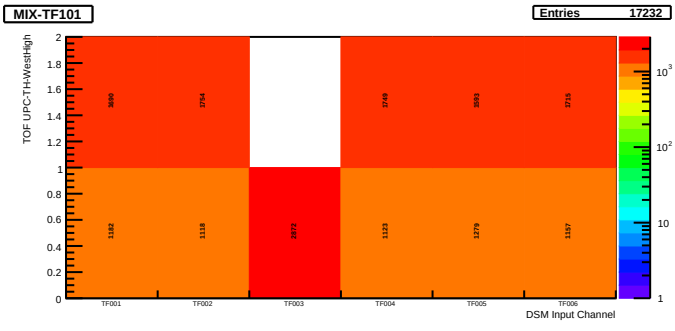

MIX-TF006
Entries 60312
TOF MULT
TOF tray

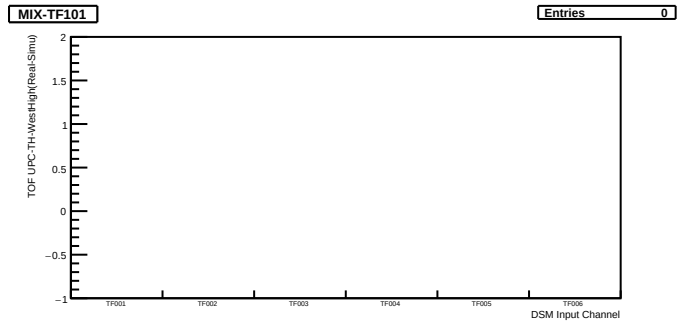

MIX-TF101
Entries 17232
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

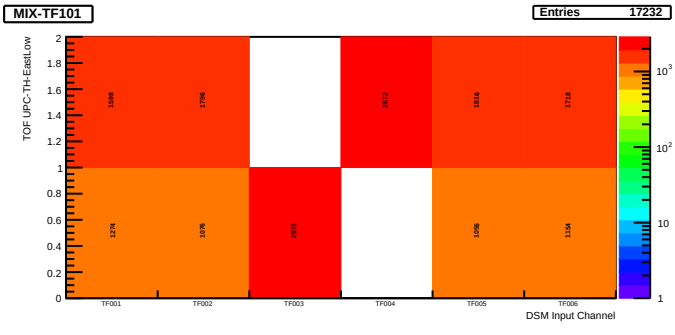

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

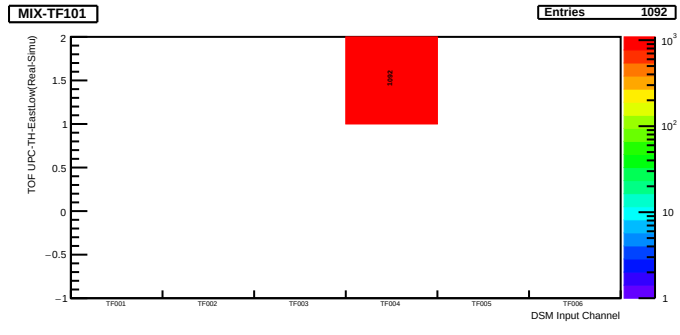

MIX-TF101
Entries 17232
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

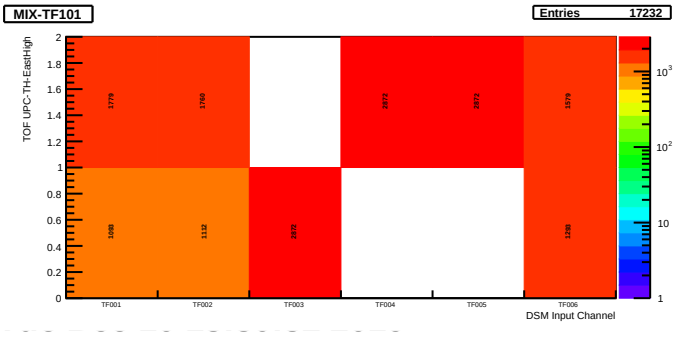

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

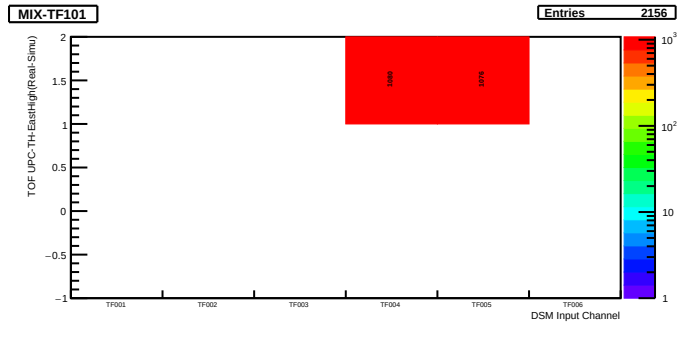

MIX-TF101
Entries 17232
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

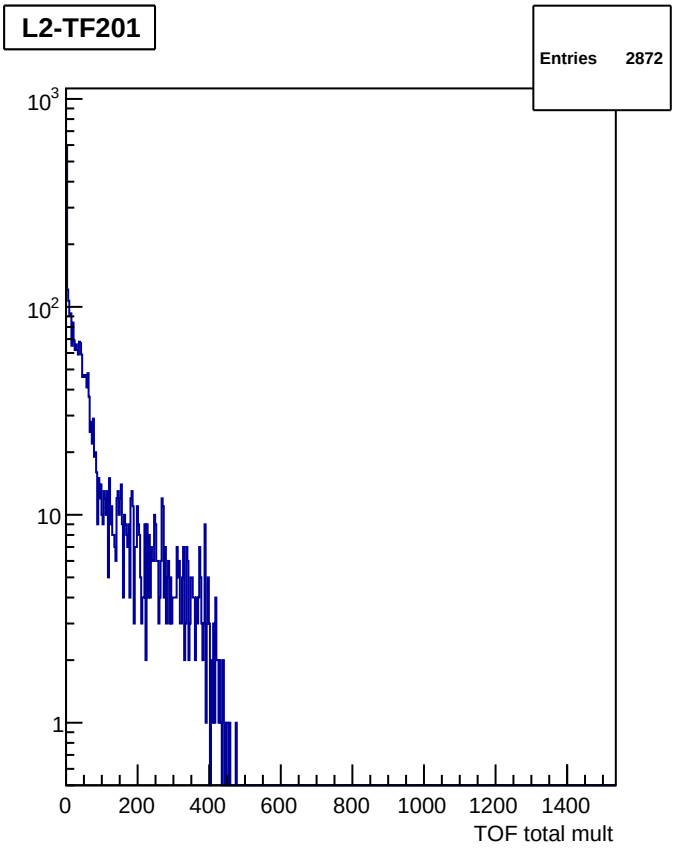

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

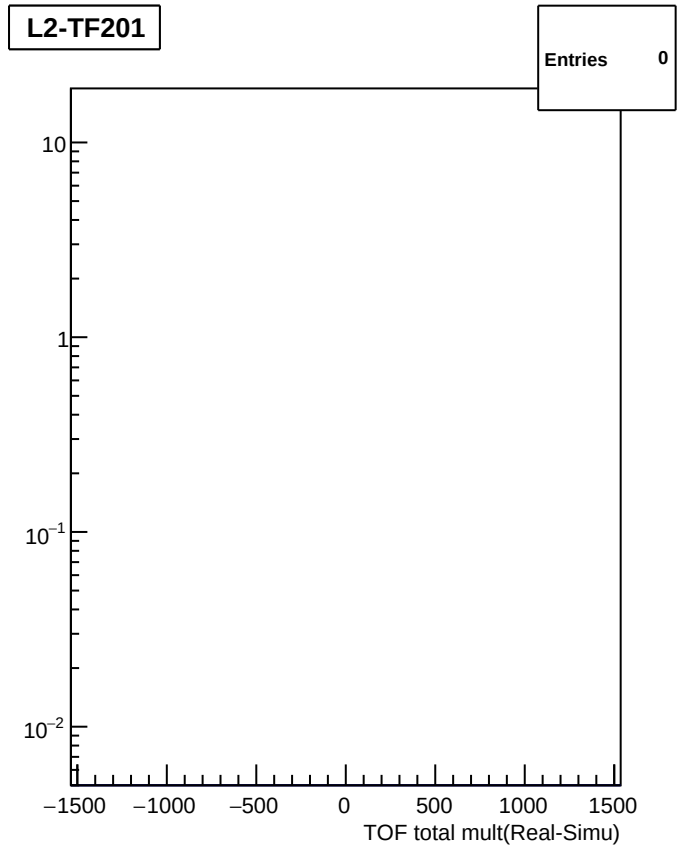

MIX-TF101
Entries 17232
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

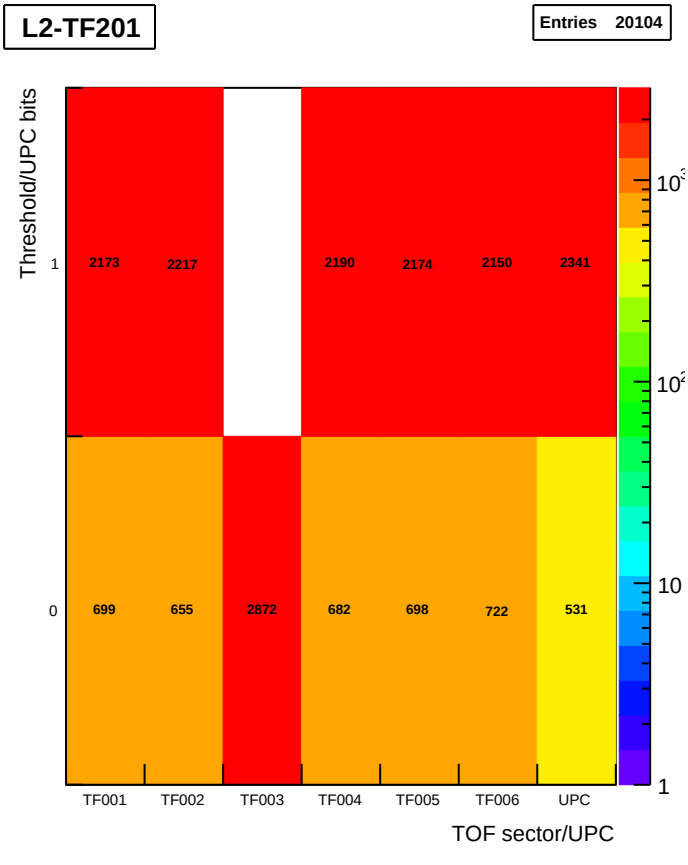

MIX-TF101
Entries 1092
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

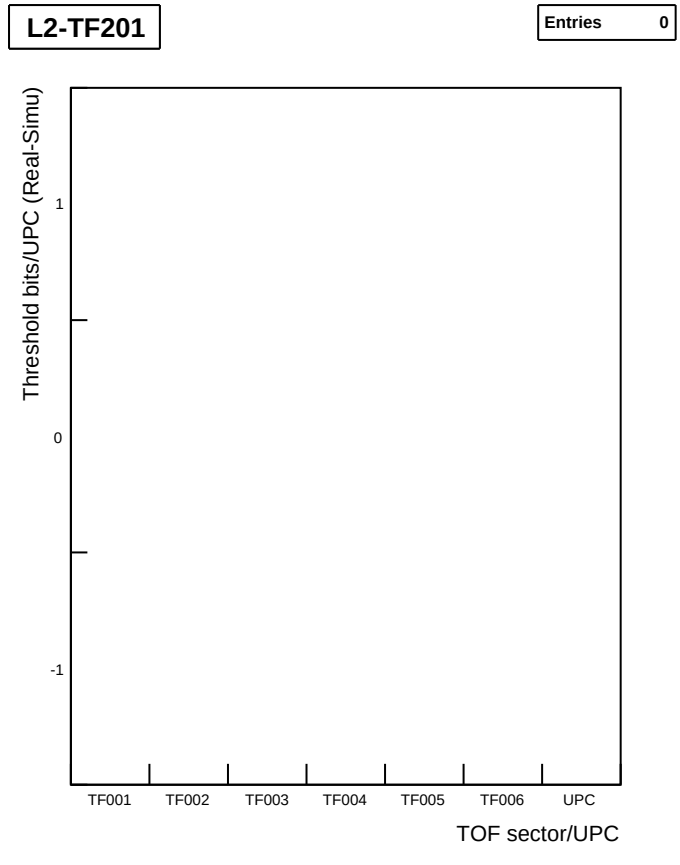

MIX-TF101
Entries 17232
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

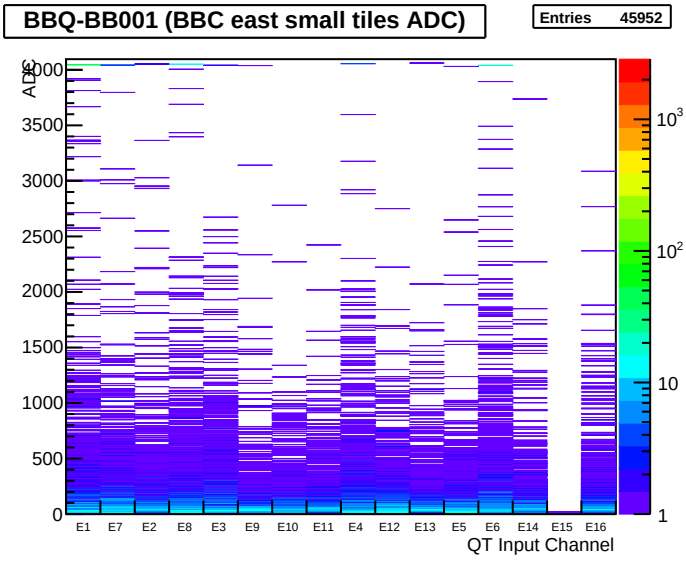

MIX-TF101
Entries 2156
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

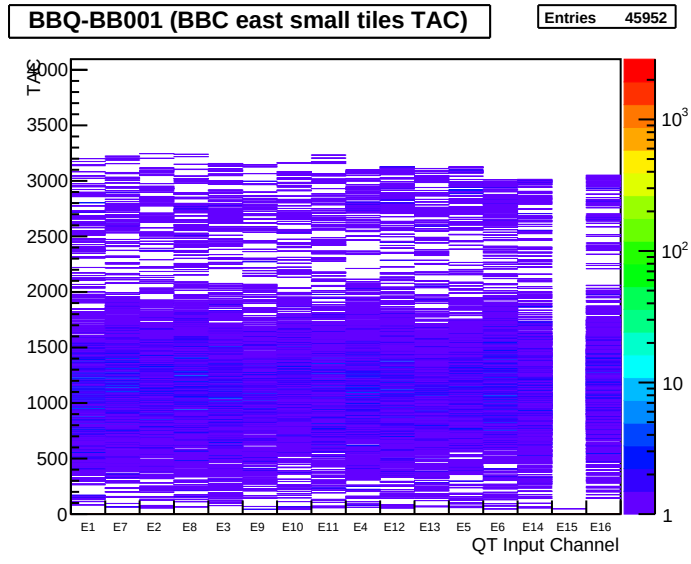

L2-TF201
Entries 2872
TOF total mult

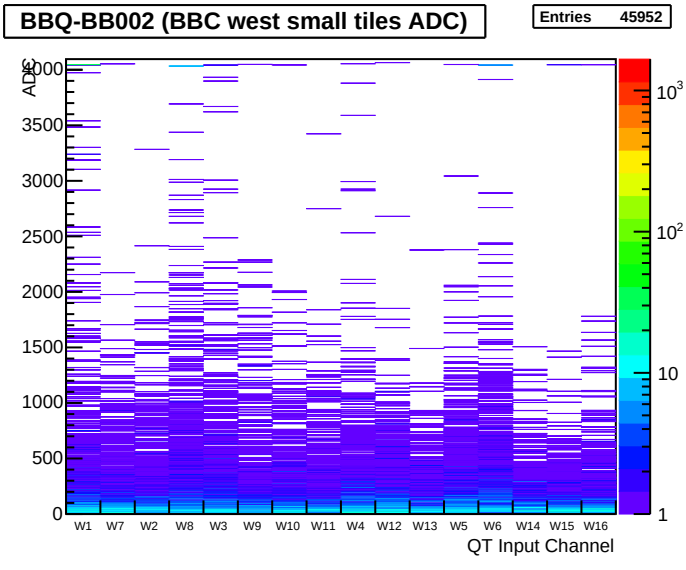

L2-TF201
Entries 0
TOF total mult(Real-Simu)

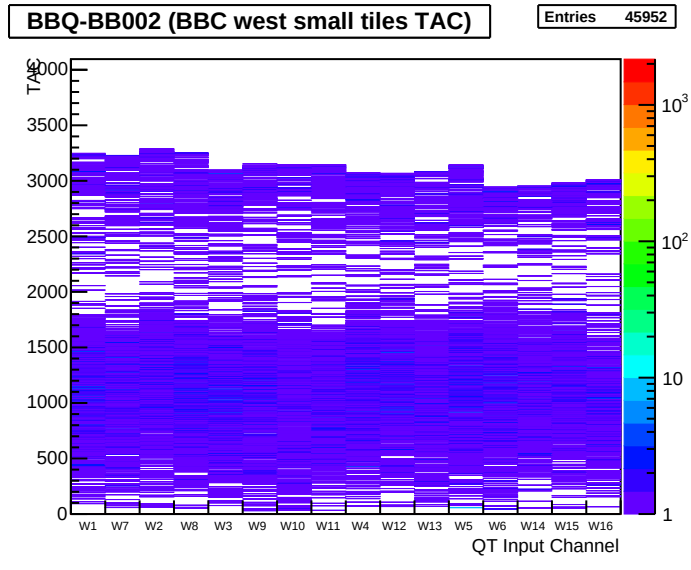

L2-TF201
Entries 20104
Threshold/UPC bits
2173
2217
2190
2174
2150
2341
699
655
2872
682
698
722
531
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

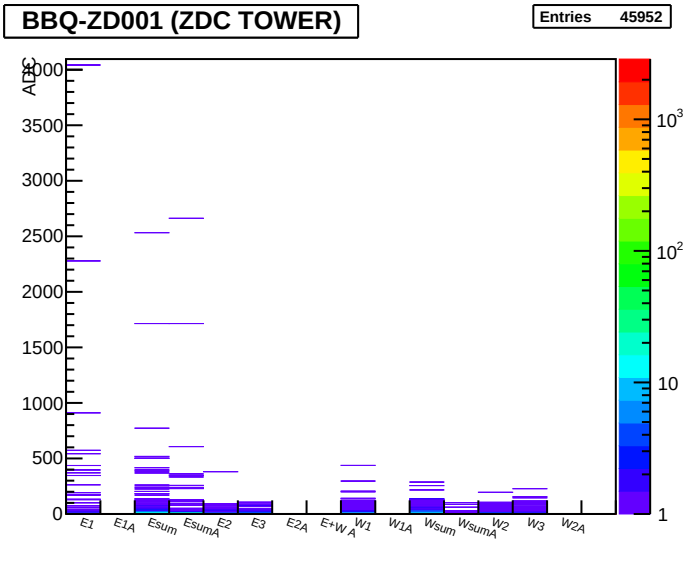

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

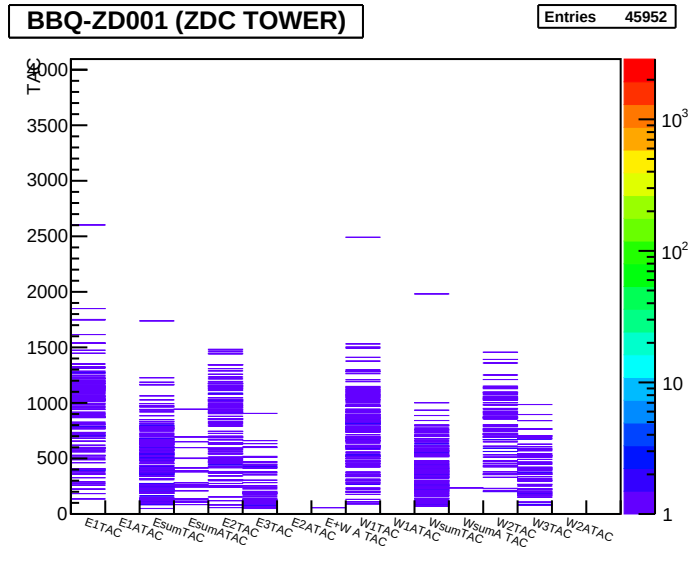

BBQ-BB001 (BBC east small tiles ADC)
Entries 45952
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

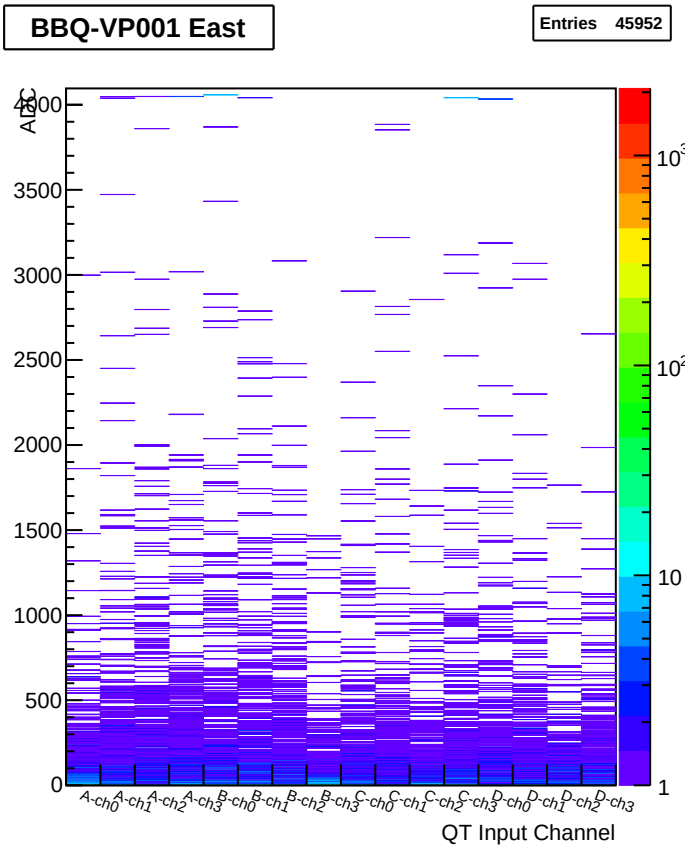

BBQ-BB001 (BBC east small tiles TAC)
Entries 45952
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

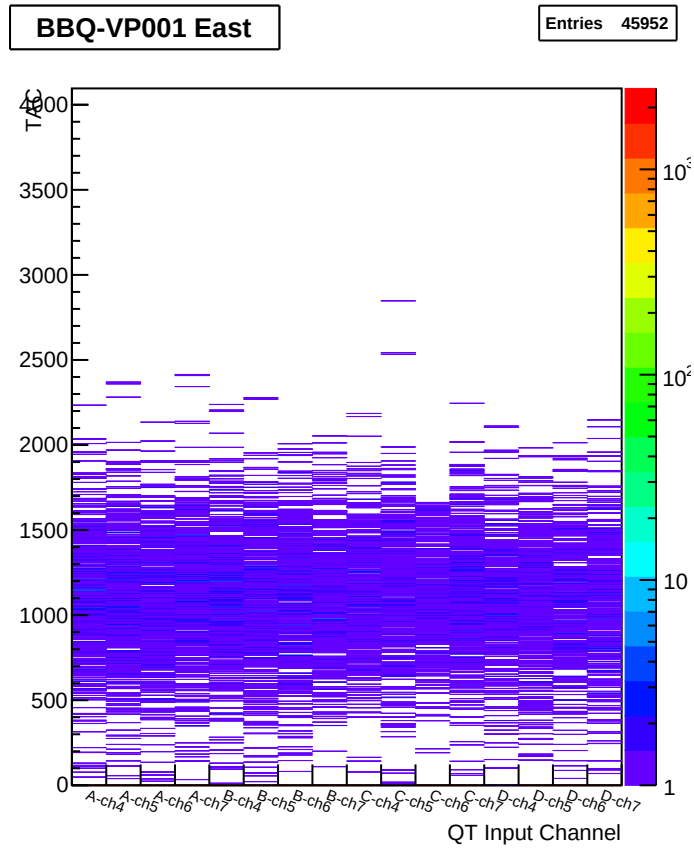

BBQ-BB002 (BBC west small tiles ADC)
Entries 45952
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

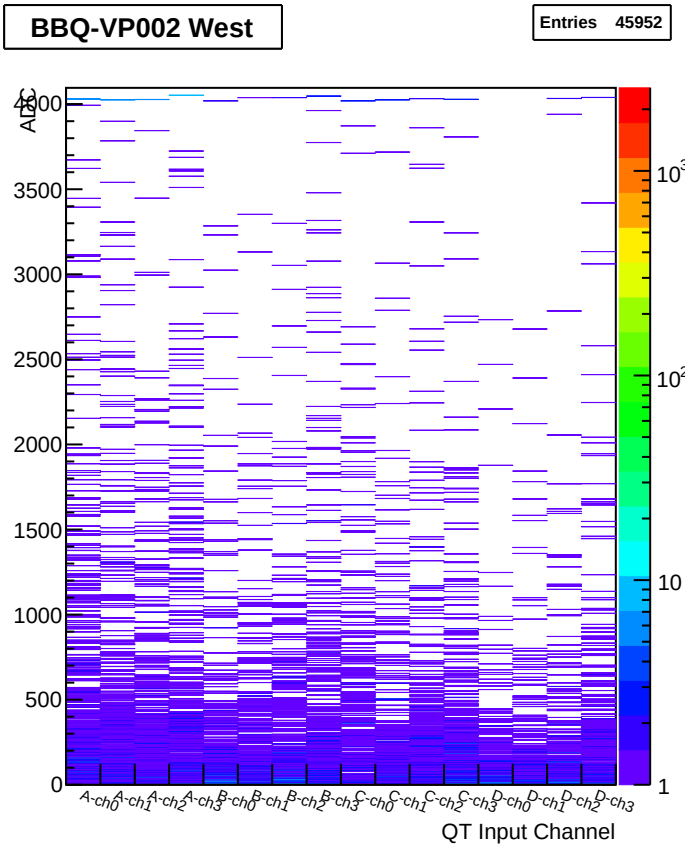

BBQ-BB002 (BBC west small tiles TAC)
Entries 45952
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

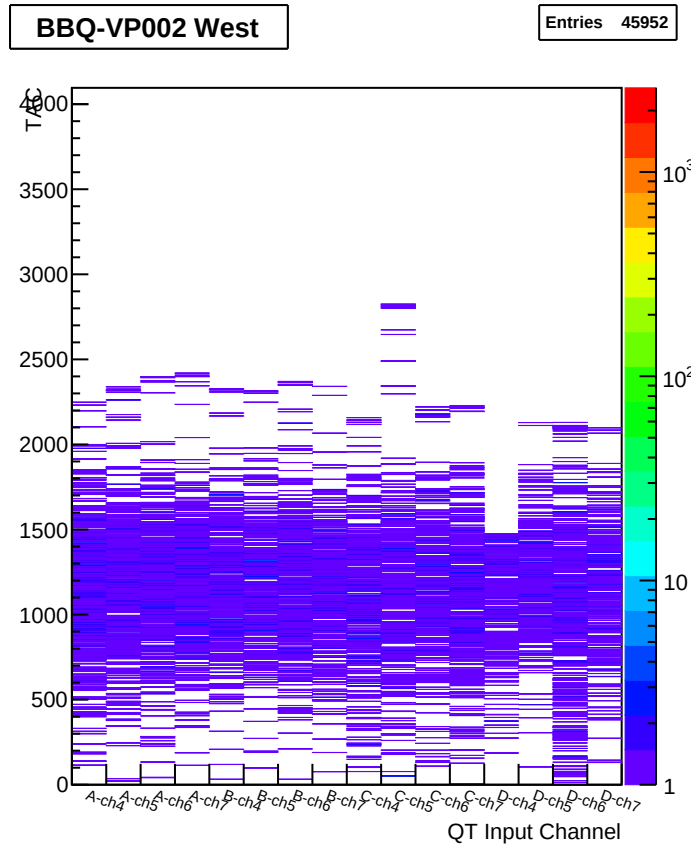

BBQ-ZD001 (ZDC TOWER)
Entries 45952
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

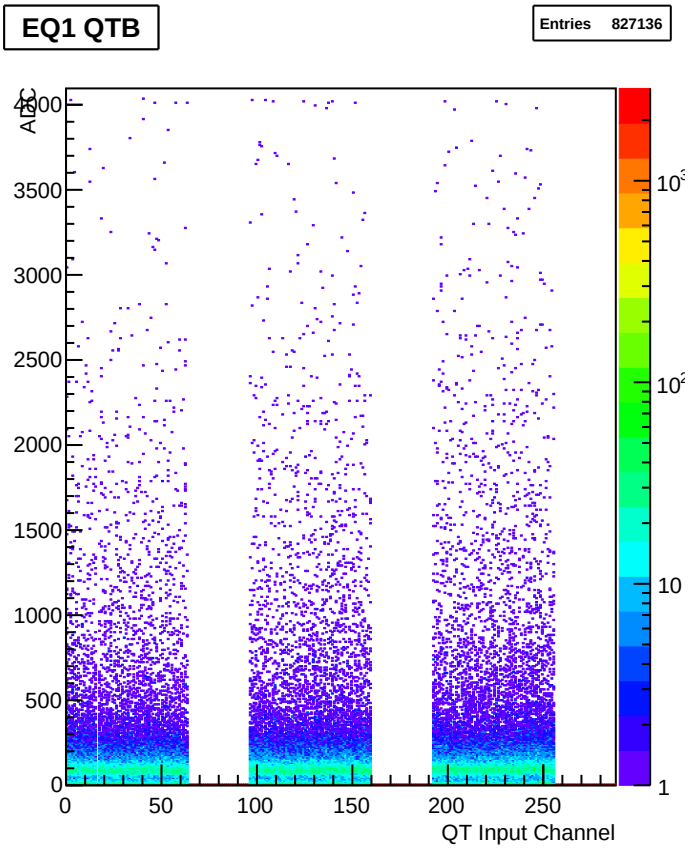

BBQ-ZD001 (ZDC TOWER)
Entries 45952
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

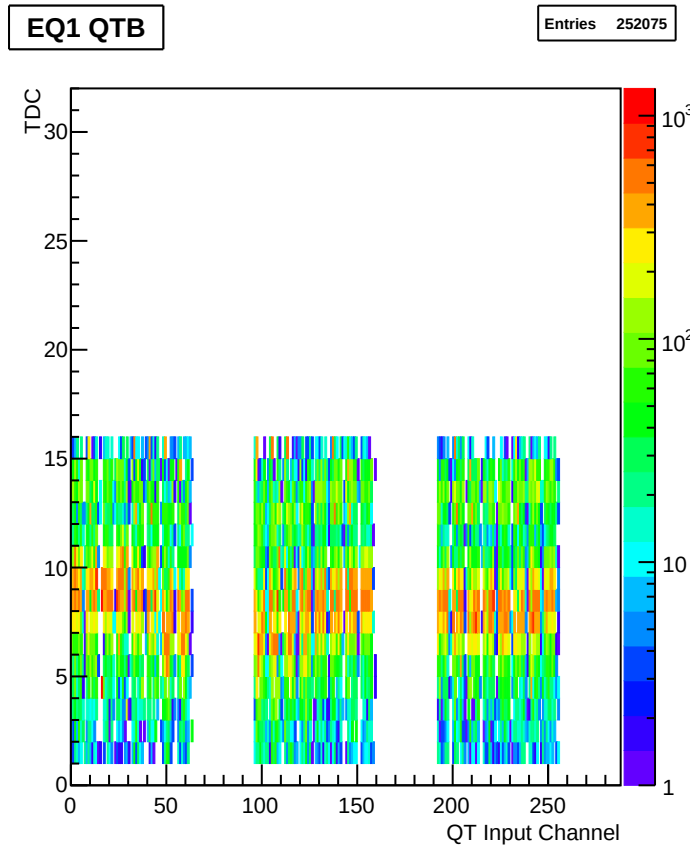

BBQ-VP001 East
Entries 45952
ADC
QT Input Channel

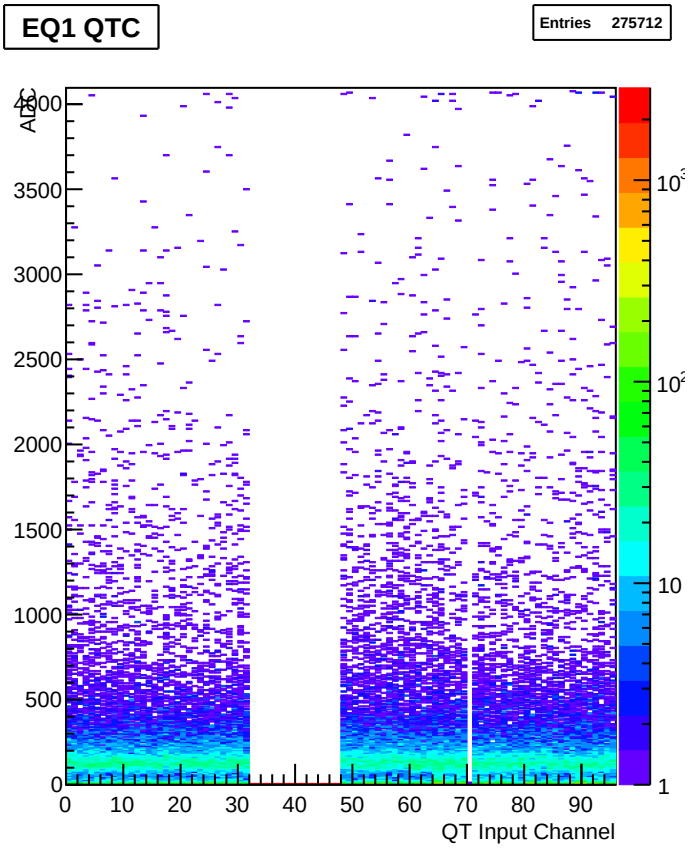

BBQ-VP001 East
Entries 45952
TAC
QT Input Channel

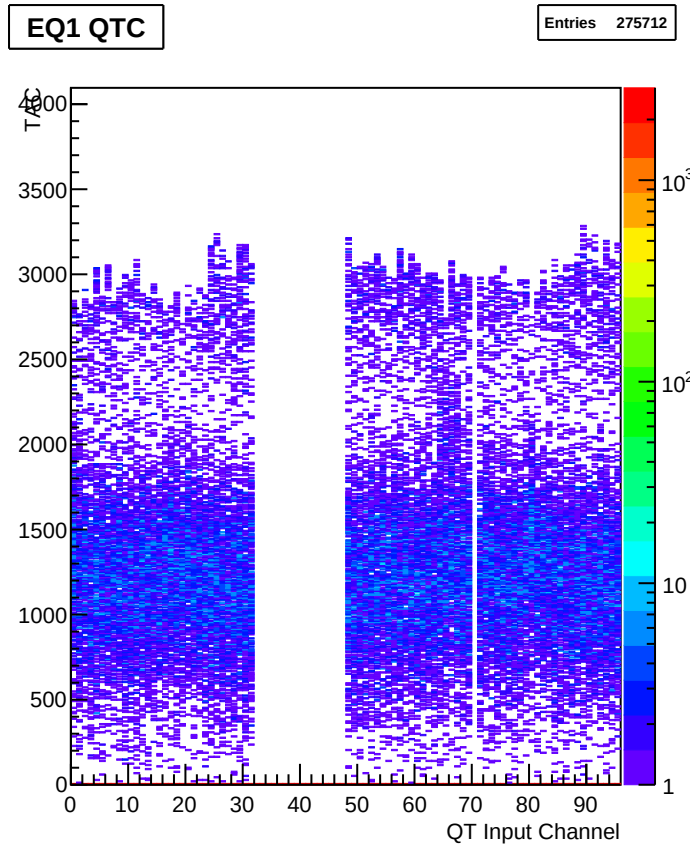

BBQ-VP002 West
Entries 45952
ADC
QT Input Channel

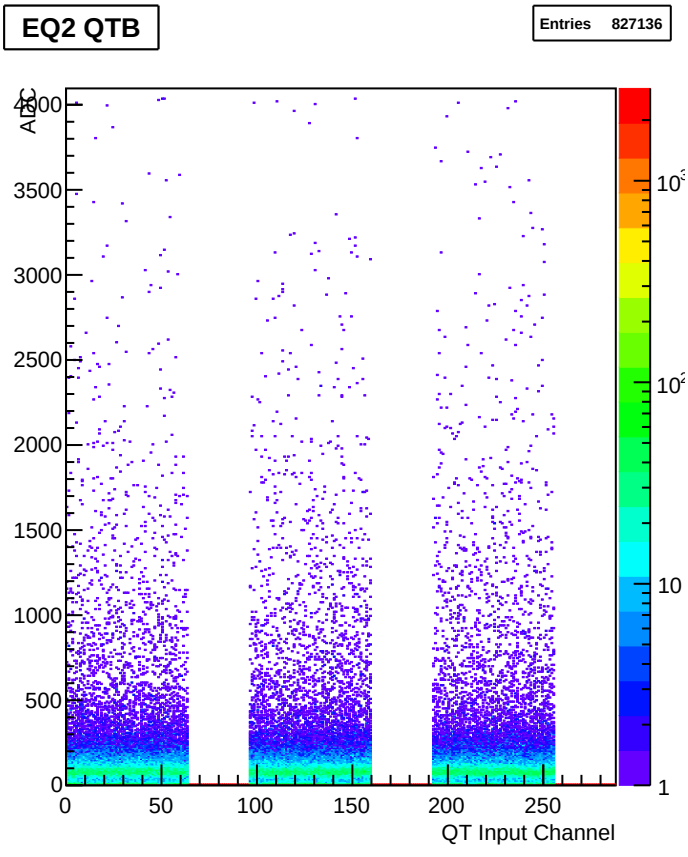

BBQ-VP002 West
Entries 45952
TAC
QT Input Channel

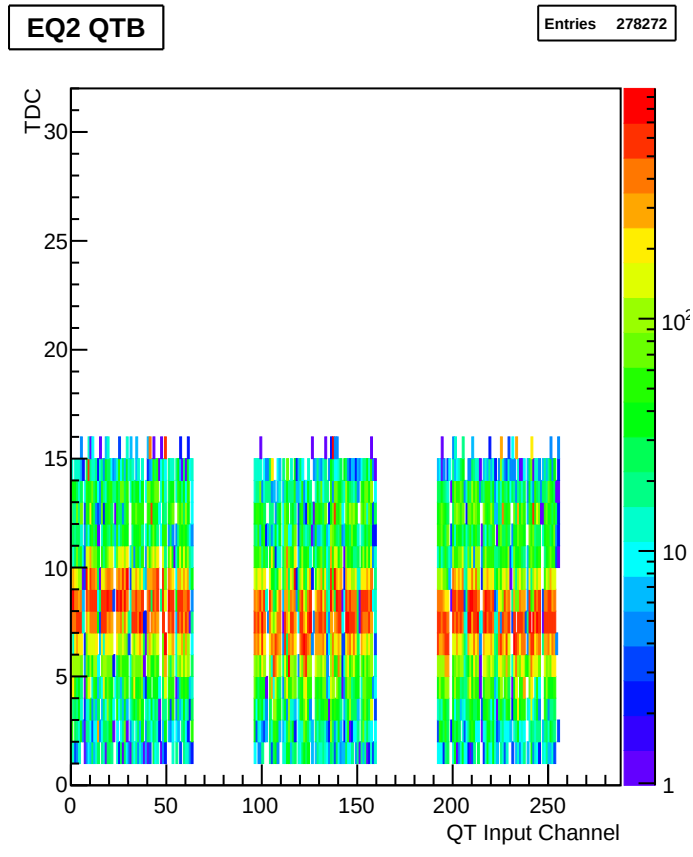

EQ1 QTB
Entries 827136
ADC
QT Input Channel

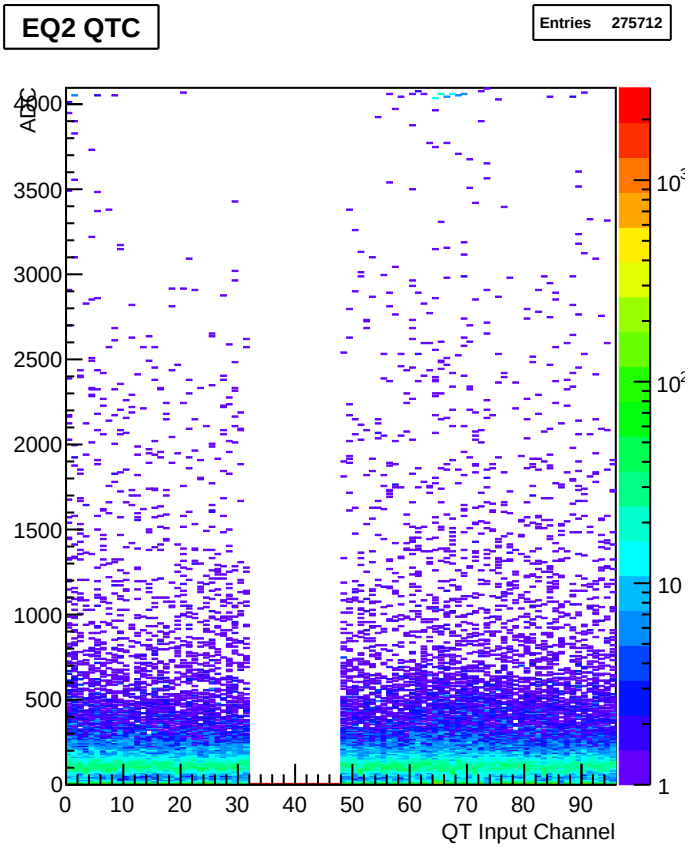

EQ1 QTB
Entries 252075
TDC
QT Input Channel

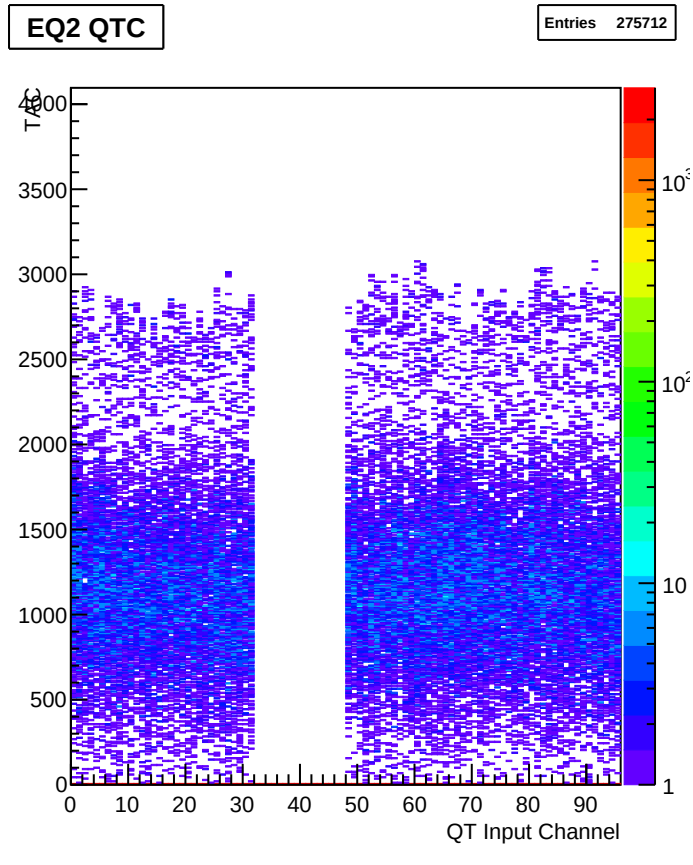

EQ1 QTC
Entries 275712
ADC
QT Input Channel

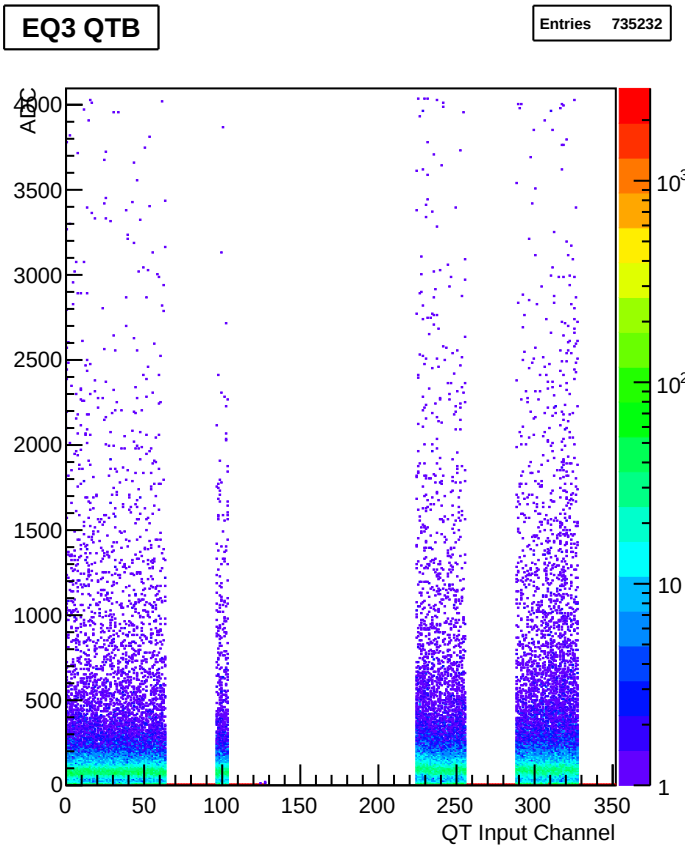

EQ1 QTC
Entries 275712
TADC
QT Input Channel

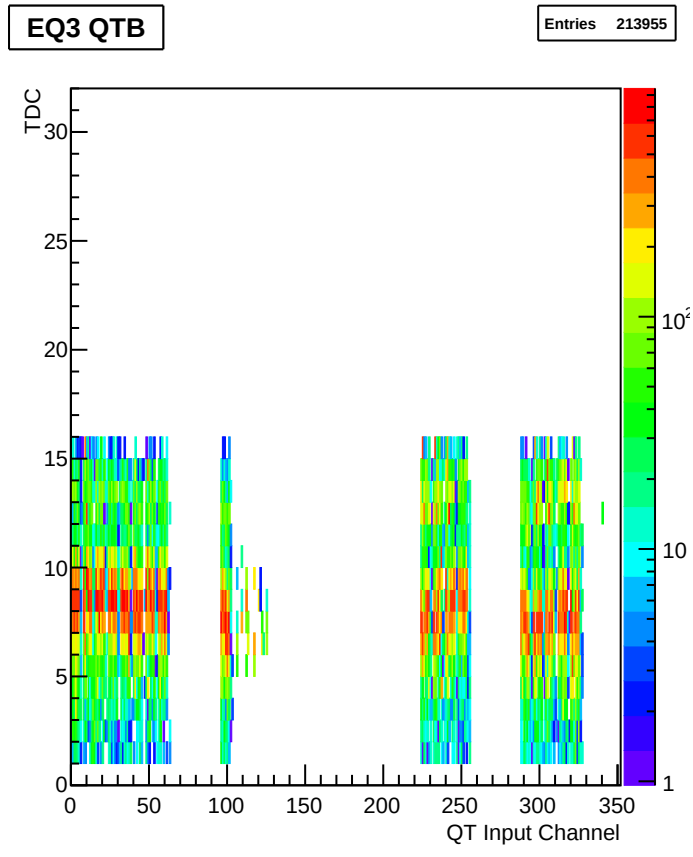

EQ2 QTB
Entries 827136
ADC
QT Input Channel

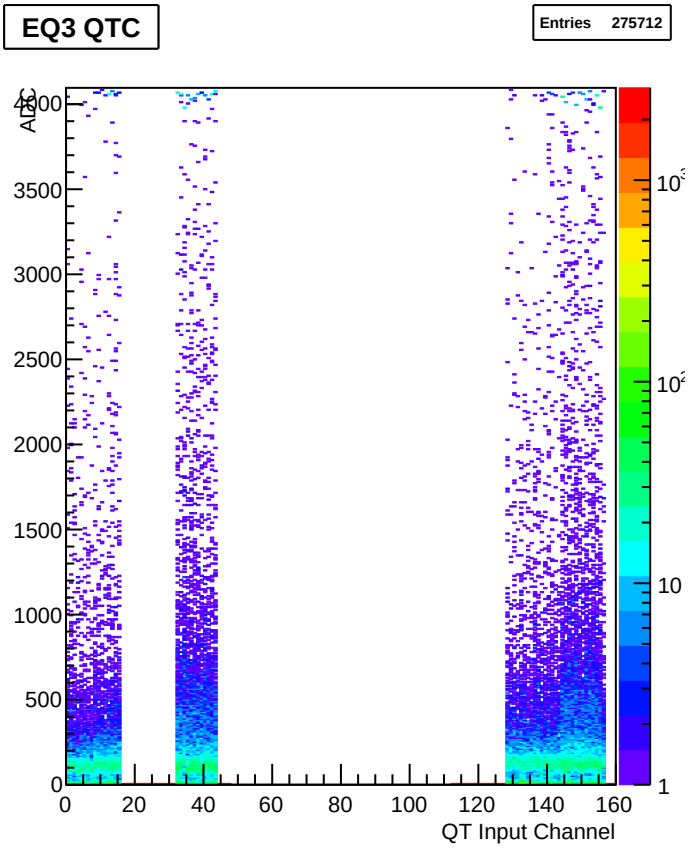

EQ2 QTB
Entries 278272
TDC
QT Input Channel

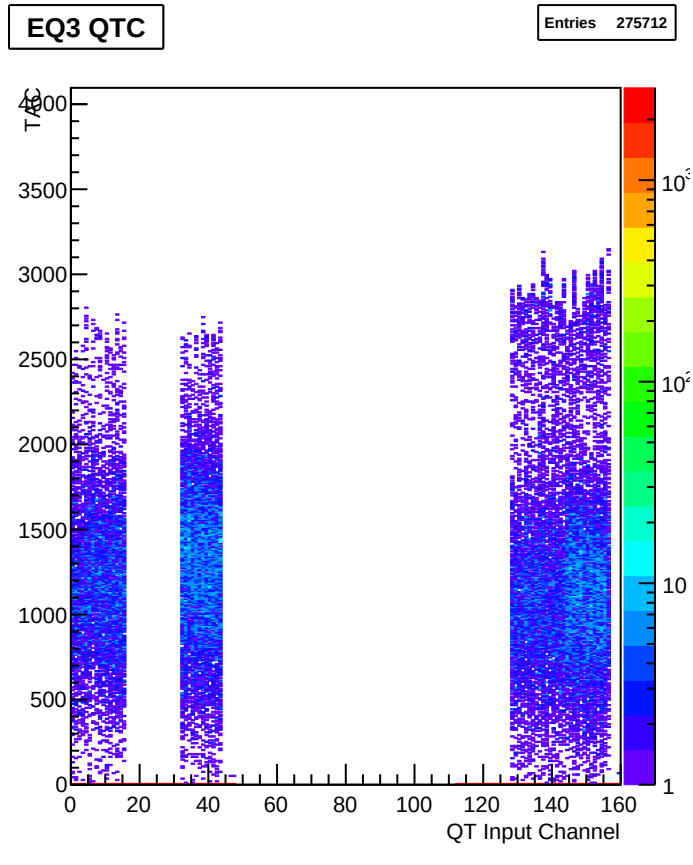

EQ2 QTC
Entries 275712
ADC
QT Input Channel

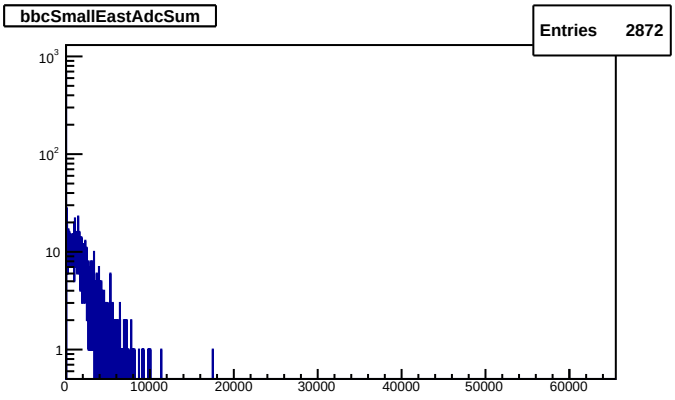

EQ2 QTC
Entries 275712
TADC
QT Input Channel

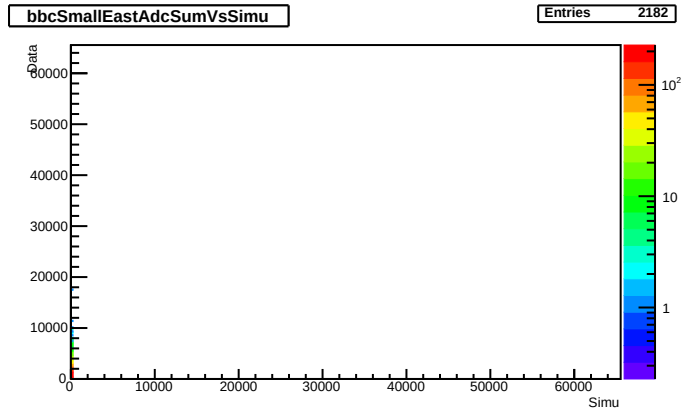

EQ3 QTB
Entries 735232
ADC
QT Input Channel

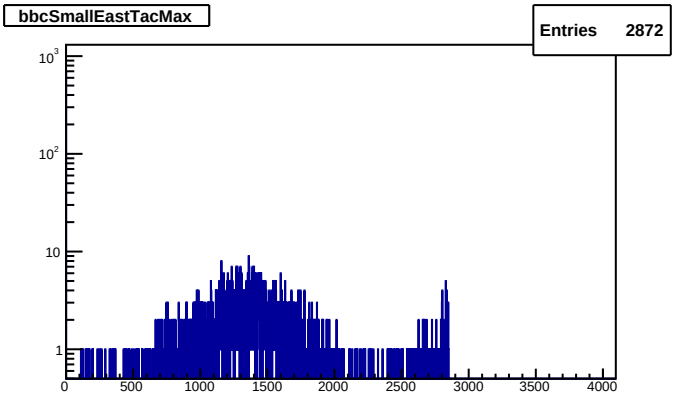

EQ3 QTB
Entries 213955
TDC
QT Input Channel

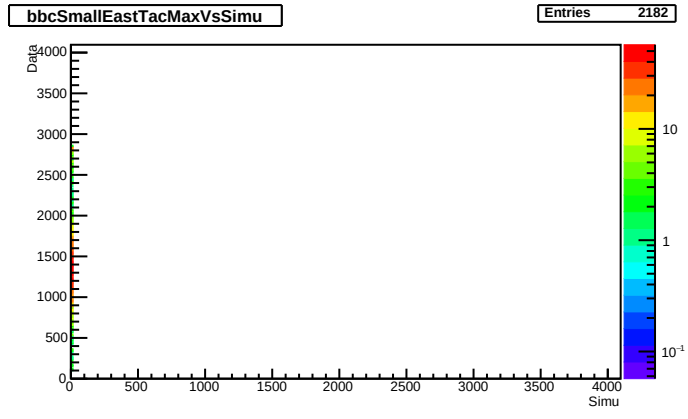

EQ3 QTC
Entries 275712
ADC
QT Input Channel

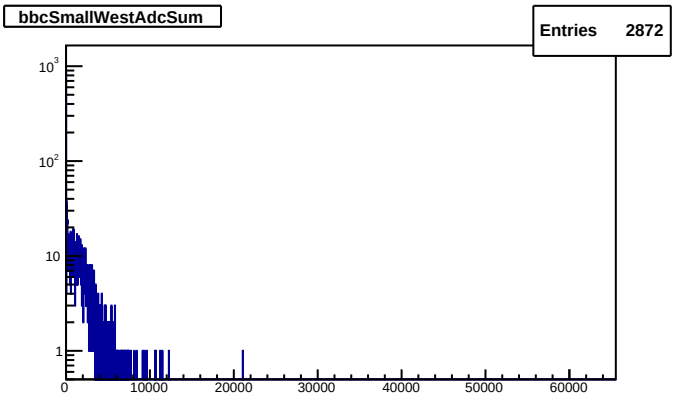

EQ3 QTC
Entries 275712
TADC
QT Input Channel

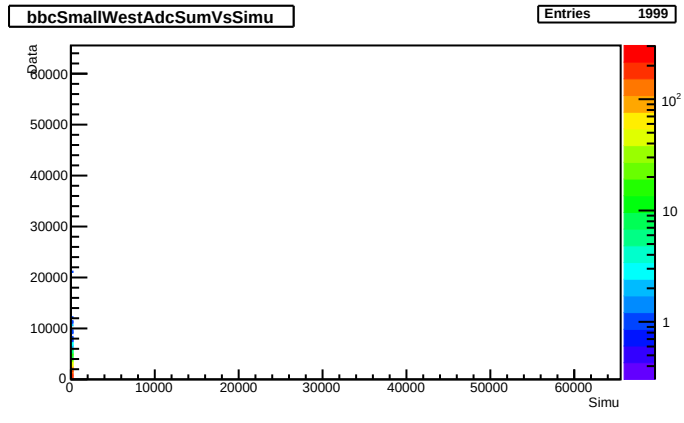

bbcSmallEastAdcSum
Entries 2872

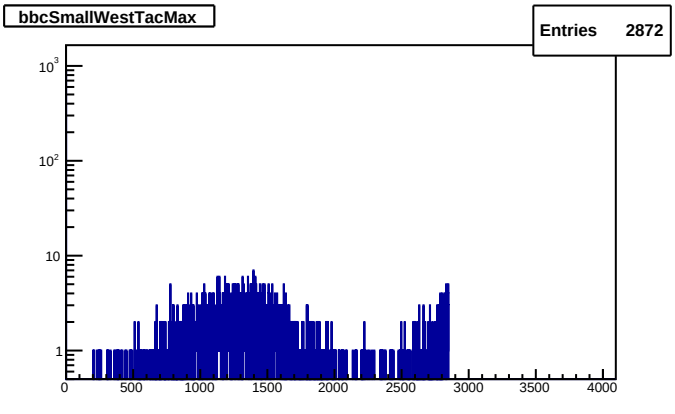

bbcSmallEastAdcSumVsSimu
Entries 2182
Data
Simu

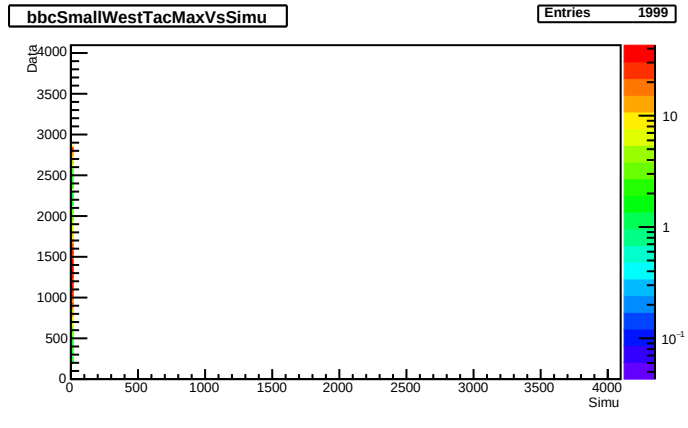

bbcSmallEastTacMax
Entries 2872

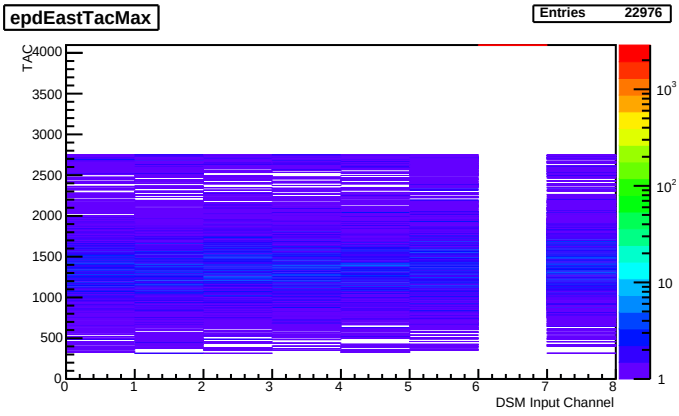

bbcSmallEastTacMaxVsSimu
Entries 2182
Data
Simu

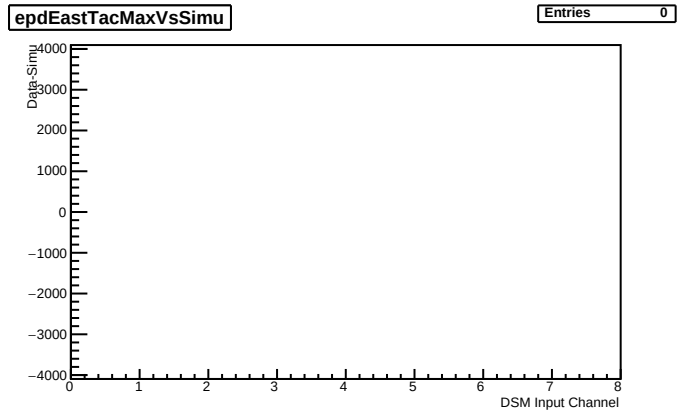

bbcSmallWestAdcSum
Entries 2872

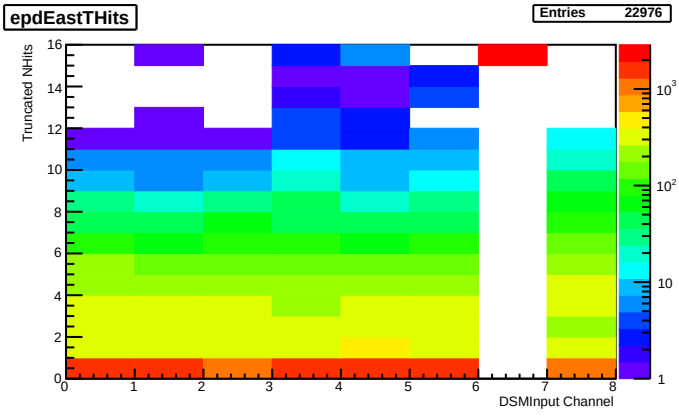

bbcSmallWestAdcSumVsSimu
Entries 1999
Data
Simu

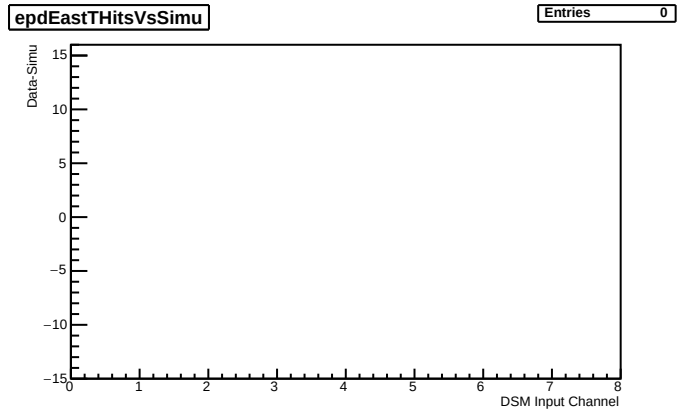

bbcSmallWestTacMax
Entries 2872

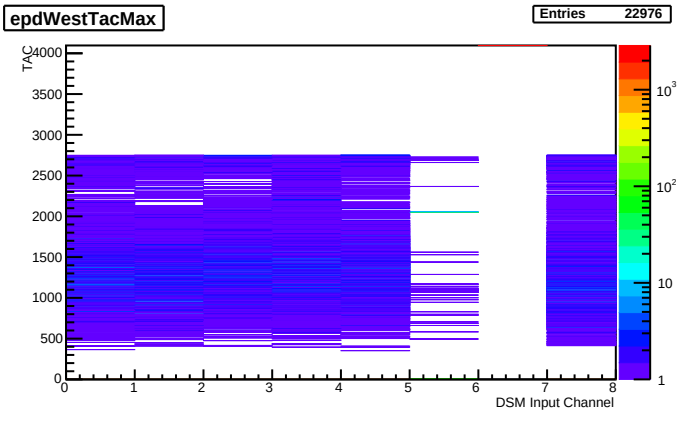

bbcSmallWestTacMaxVsSimu
Entries 1999
Data
Simu

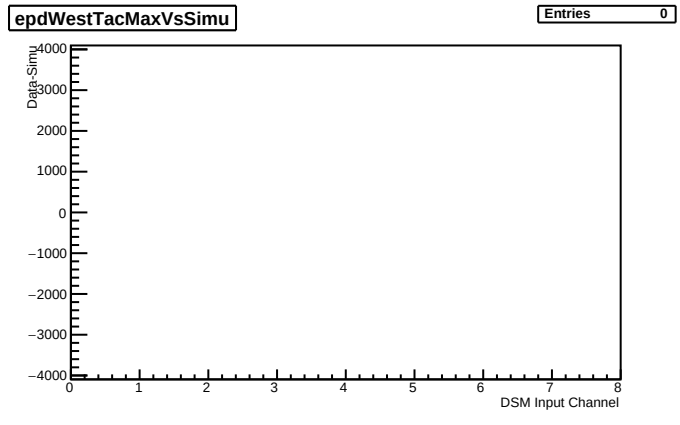

epdEastTacMax
Entries 22976
TAC
DSM Input Channel

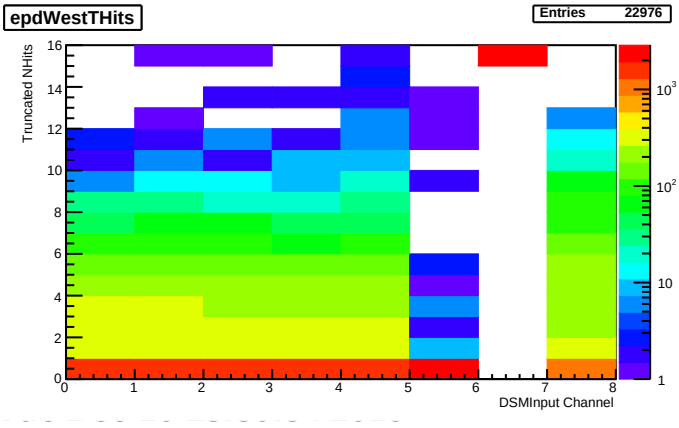

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

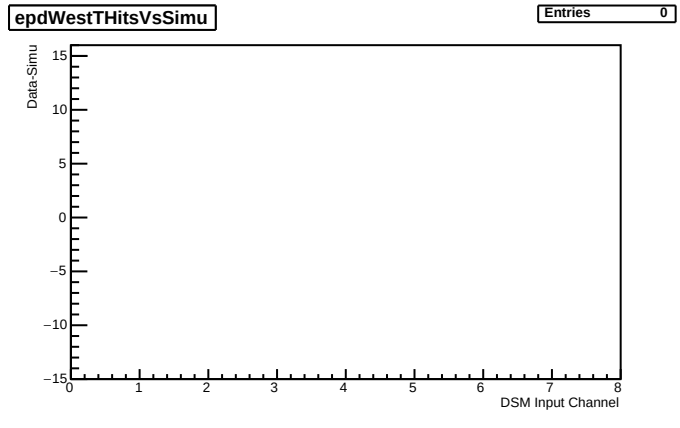

epdEastTHits
Entries 22976
Truncated NHits
DSMInput Channel

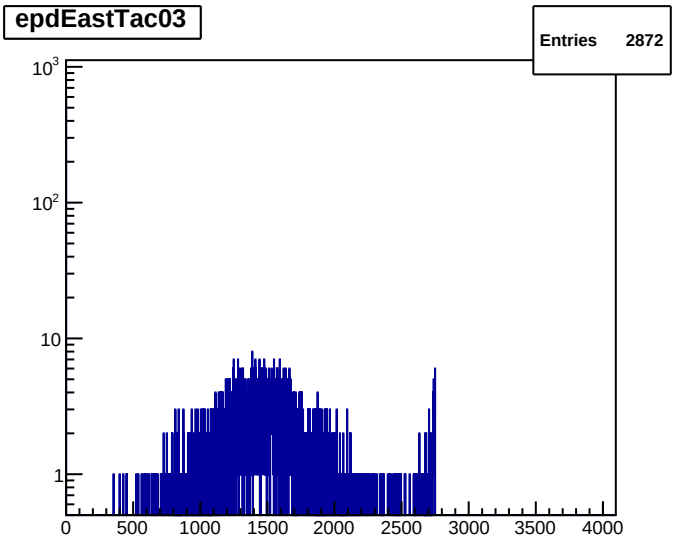

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

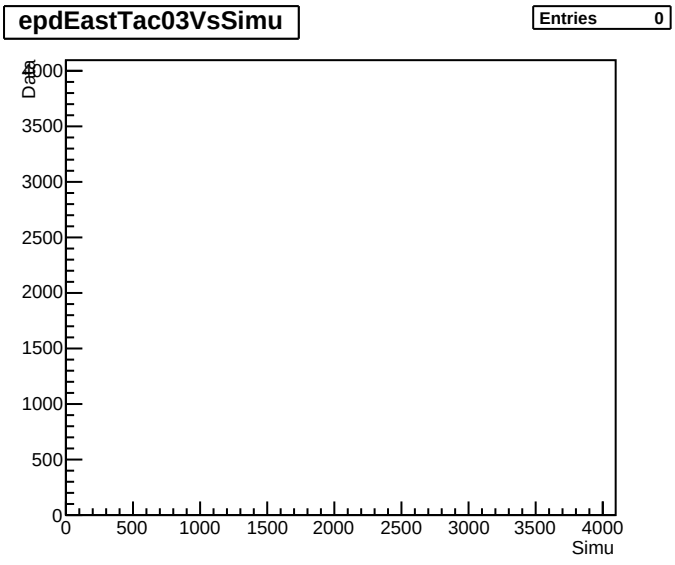

epdWestTacMax
Entries 22976
TAC
DSM Input Channel

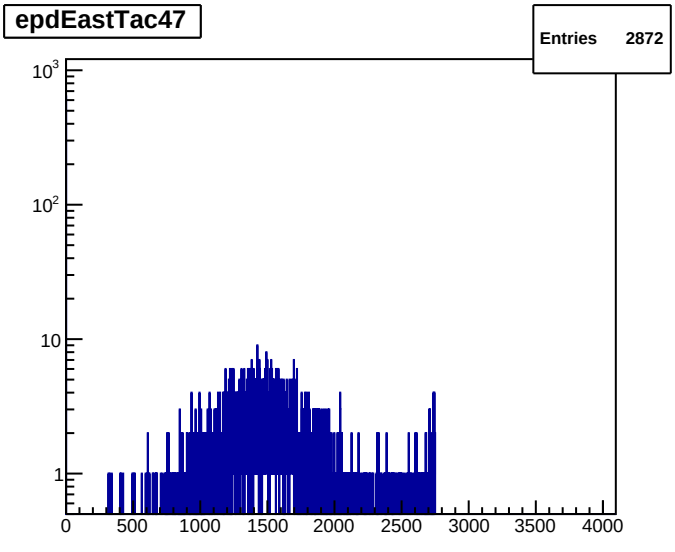

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

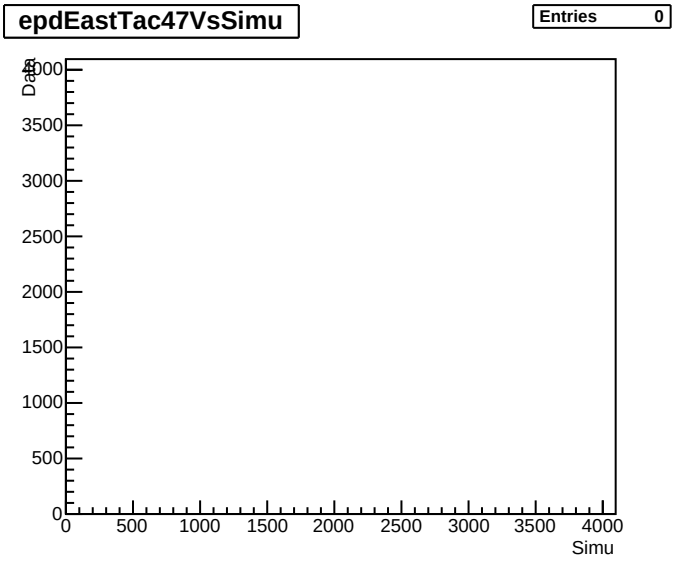

epdWestTHits
Entries 22976
Truncated NHits
DSMInput Channel

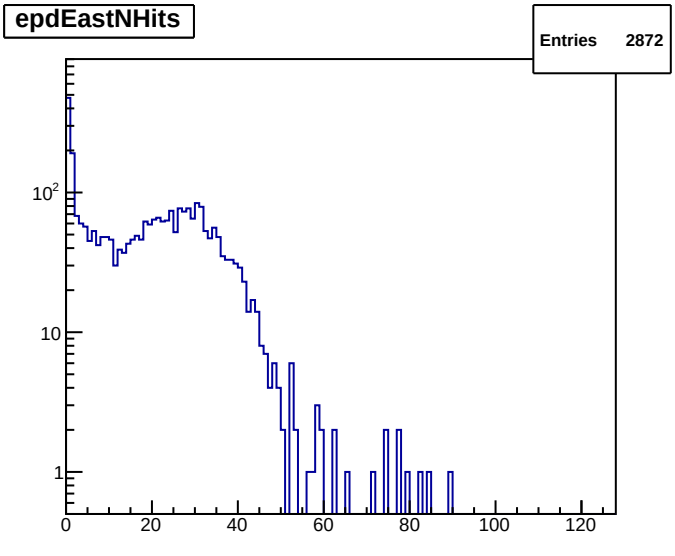

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

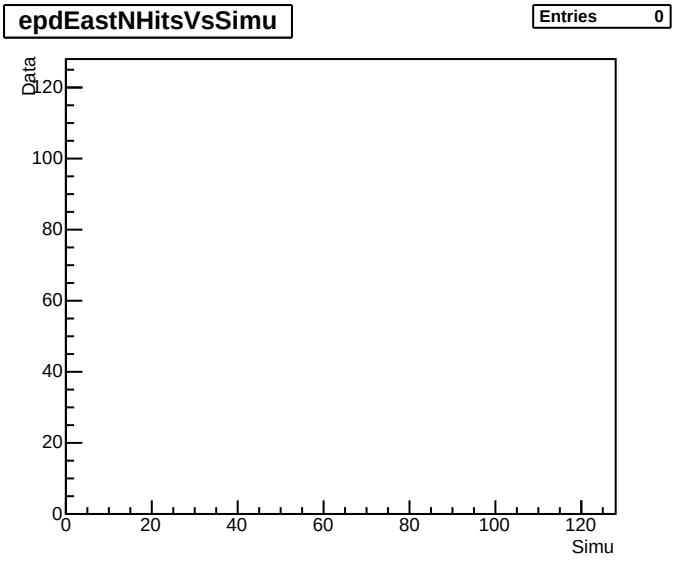

epdEastTac03
Entries 2872

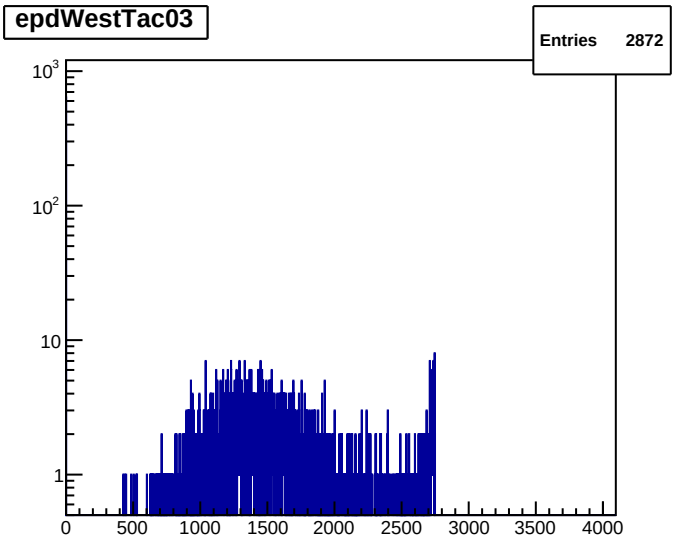

epdEastTac03VsSimu
Entries 0
Data
Simu

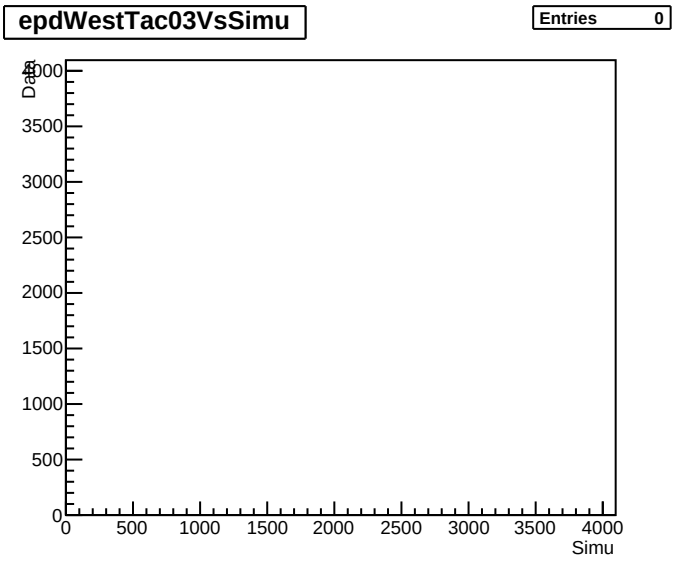

epdEastTac47
Entries 2872

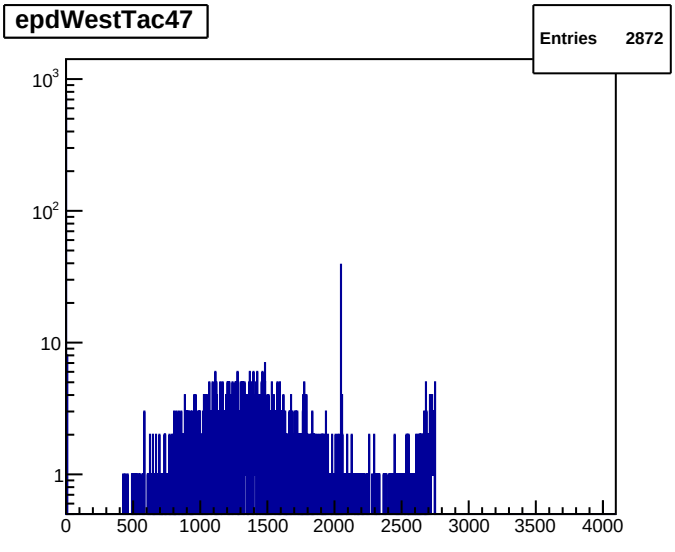

epdEastTac47VsSimu
Entries 0
Data
Simu

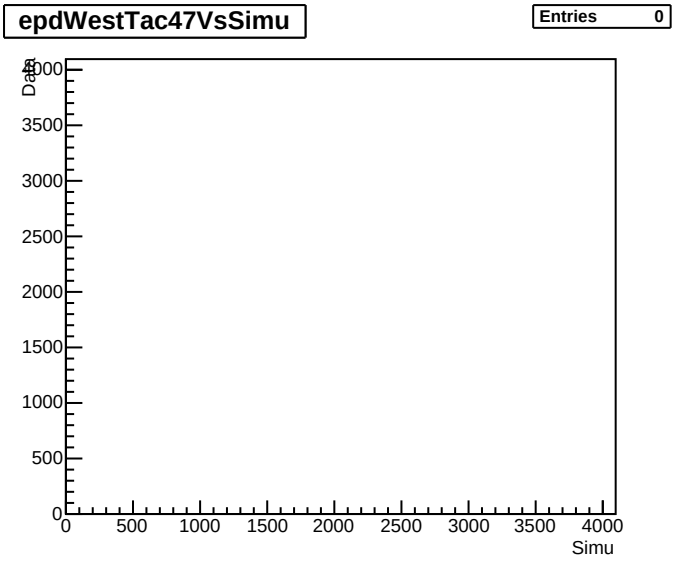

epdEastNHits
Entries 2872

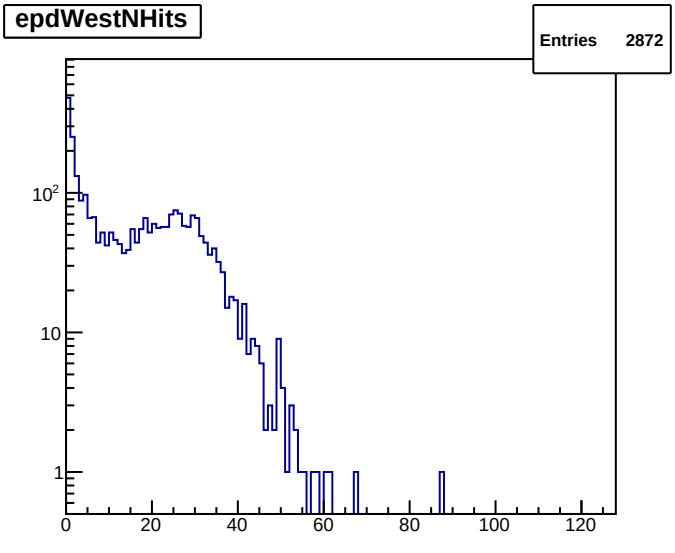

epdEastNHitsVsSimu
Entries 0
Data
Simu

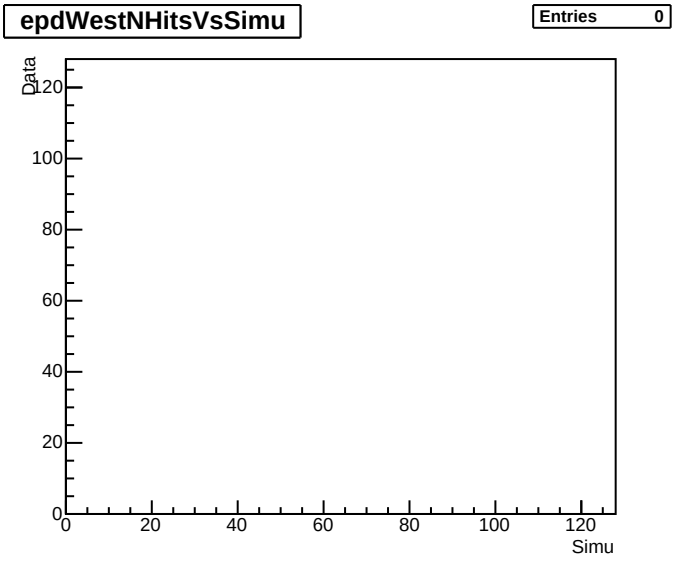

epdWestTac03
Entries 2872
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

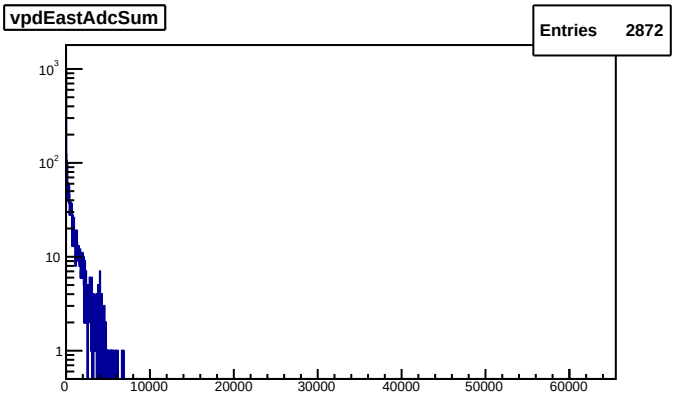

epdWestTac03VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

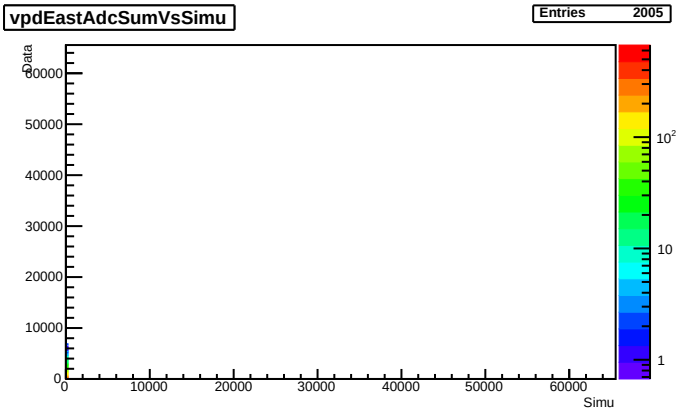

epdWestTac47
Entries 2872
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

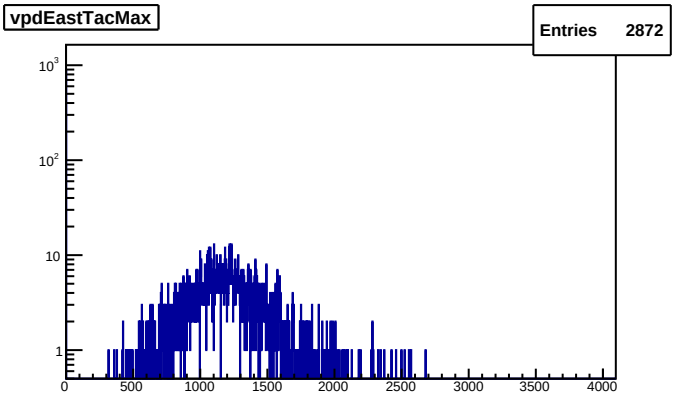

epdWestTac47VsSimu
Entries 0
Data
4000
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

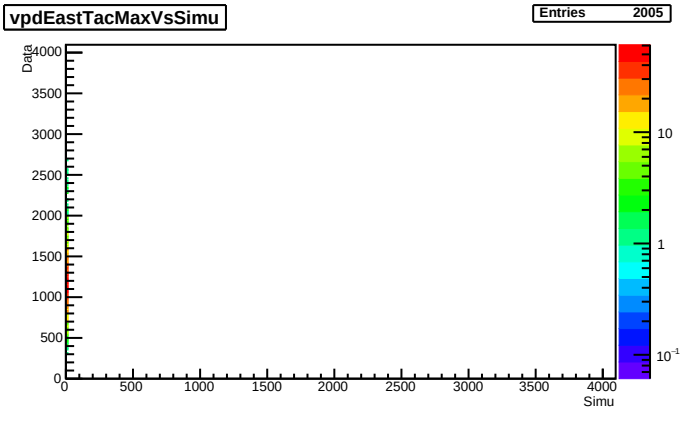

epdWestNHits
Entries 2872
10^2
10
1
0 20 40 60 80 100 120

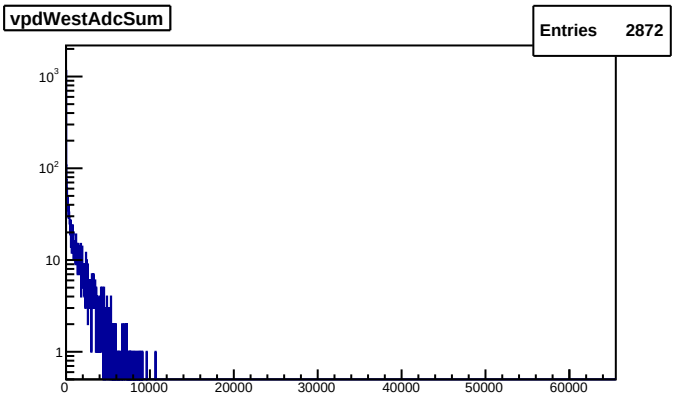

epdWestNHitsVsSimu
Entries 0
Data
120
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu

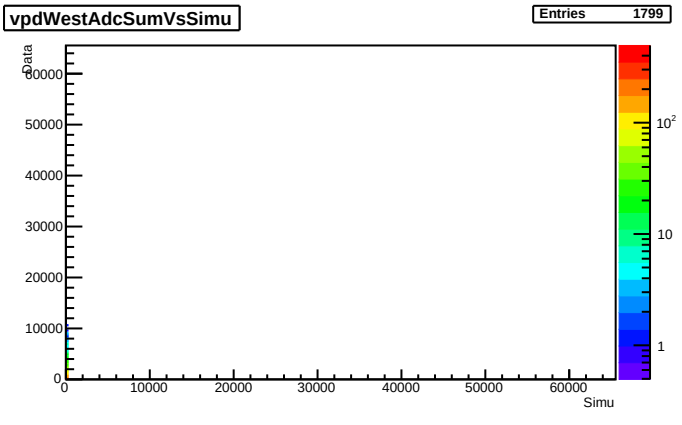

vpdEastAdcSum
Entries 2872

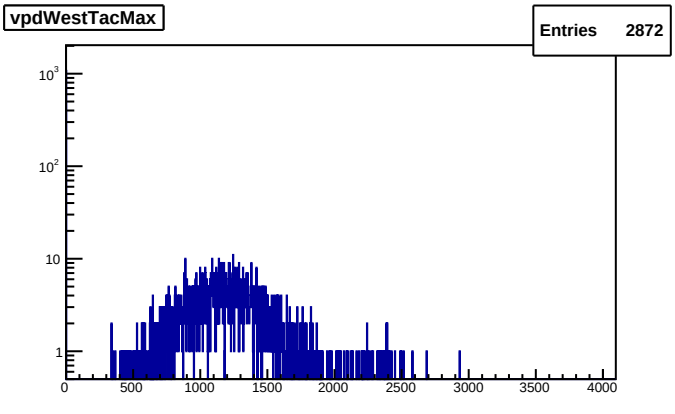

vpdEastAdcSumVsSimu
Entries 2005
Data
Simu

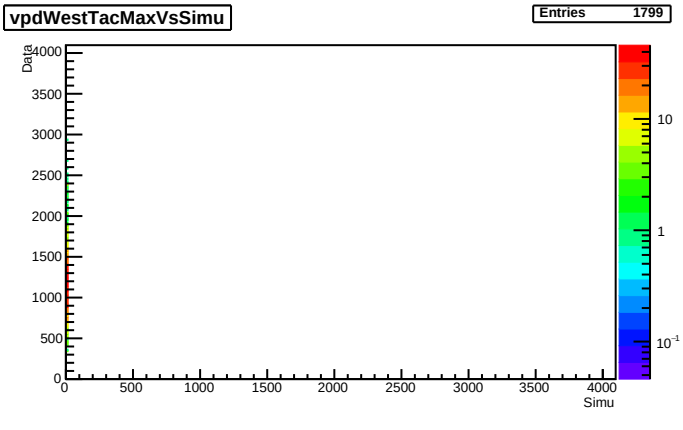

vpdEastTacMax
Entries 2872

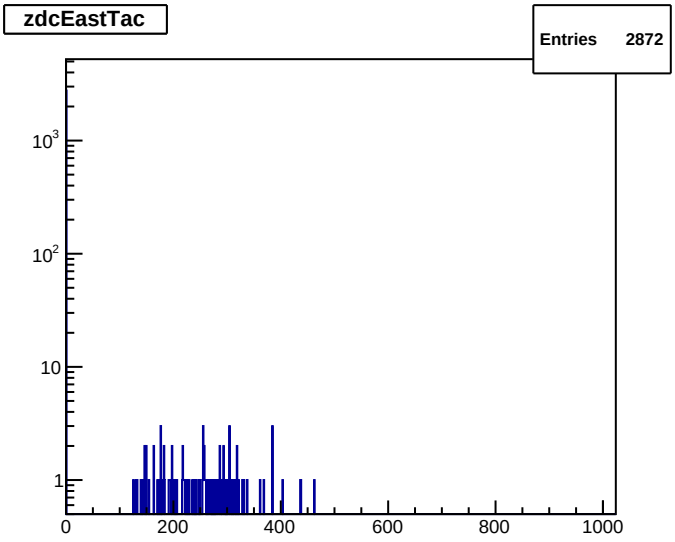

vpdEastTacMaxVsSimu
Entries 2005
Data
Simu

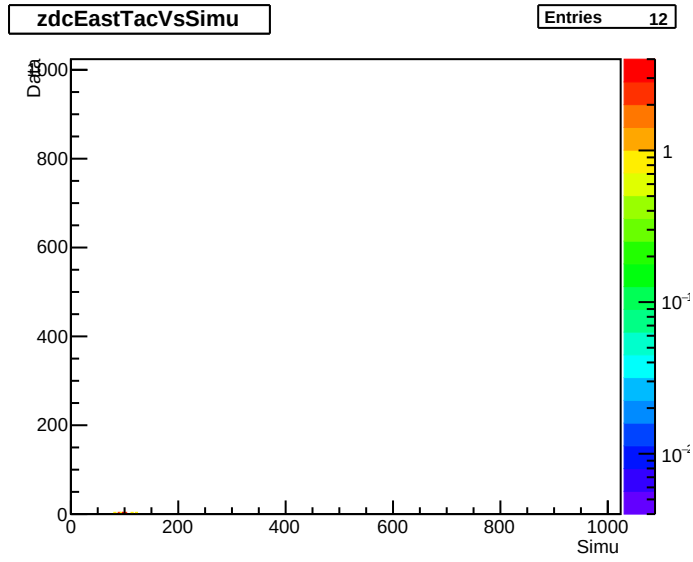

vpdWestAdcSum
Entries 2872

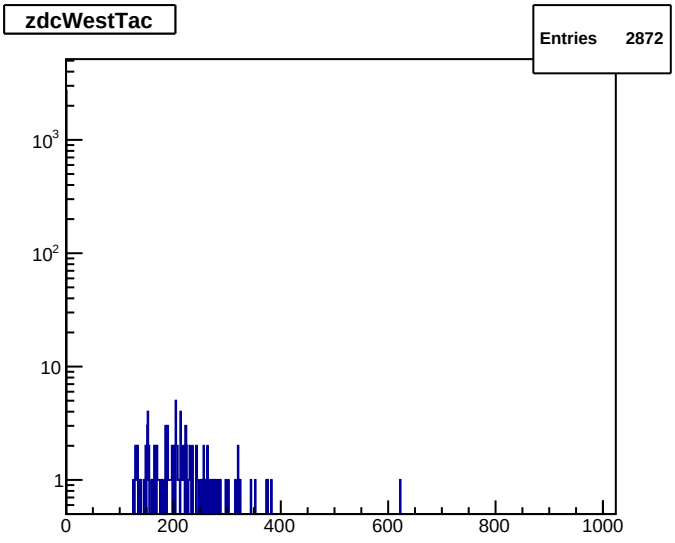

vpdWestAdcSumVsSimu
Entries 1799
Data
Simu

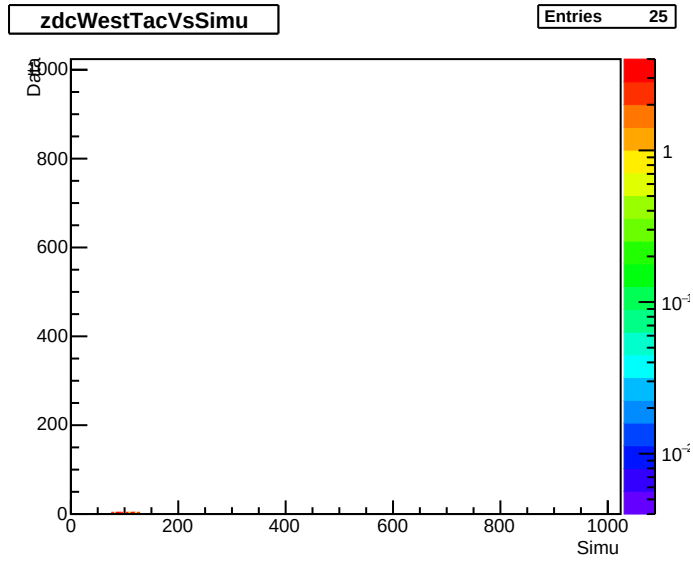

vpdWestTacMax
Entries 2872

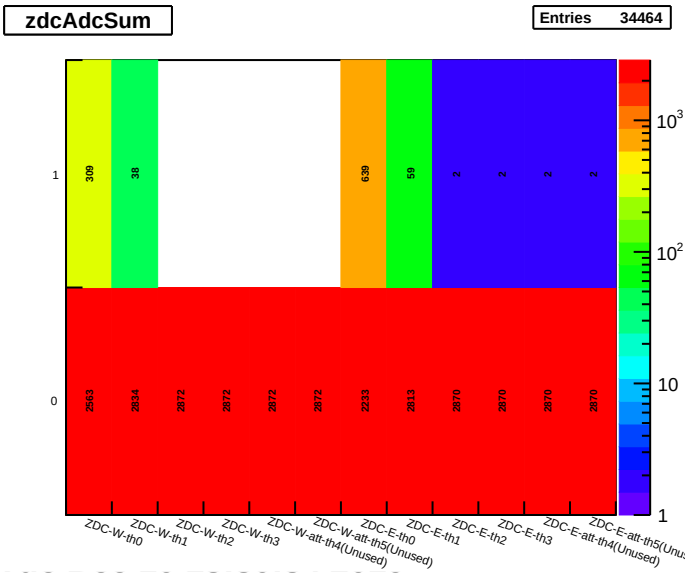

vpdWestTacMaxVsSimu
Entries 1799
Data
Simu

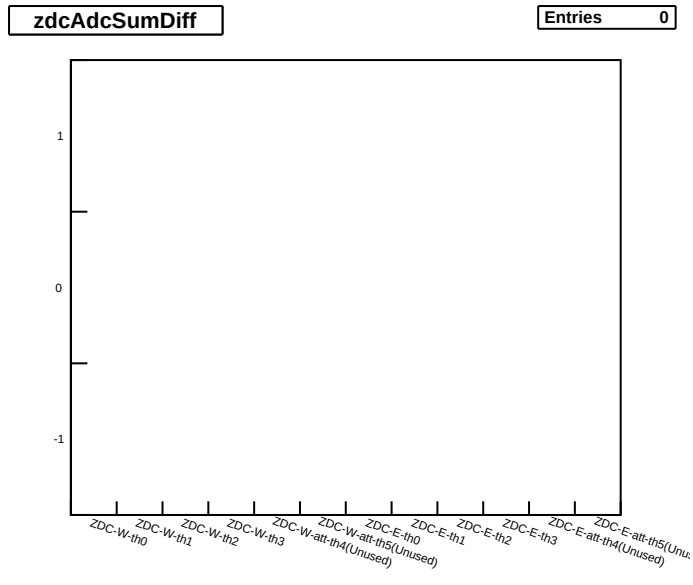

zdcEastTac
Entries 2872
10^3
10^2
10
1
0
200
400
600
800
1000

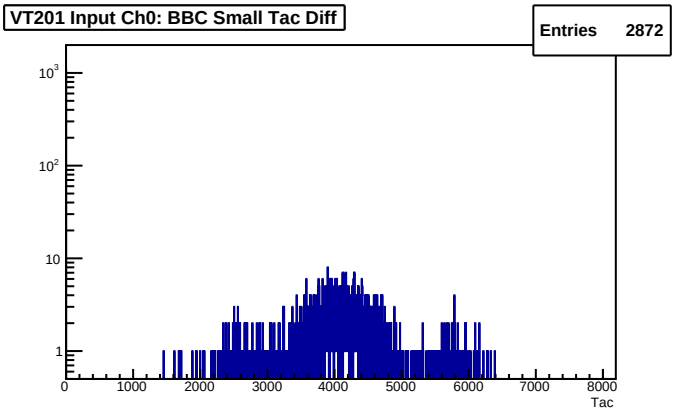

zdcEastTacVsSimu
Entries 12
Data
Simu
0
200
400
600
800
1000
1

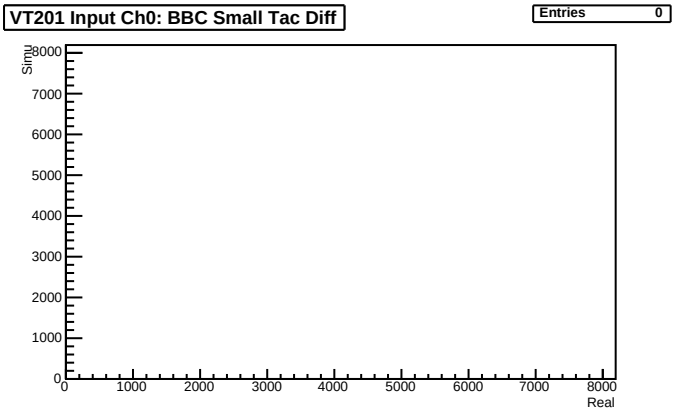

zdcWestTac
Entries 2872
10^3
10^2
10
1
0
200
400
600
800
1000

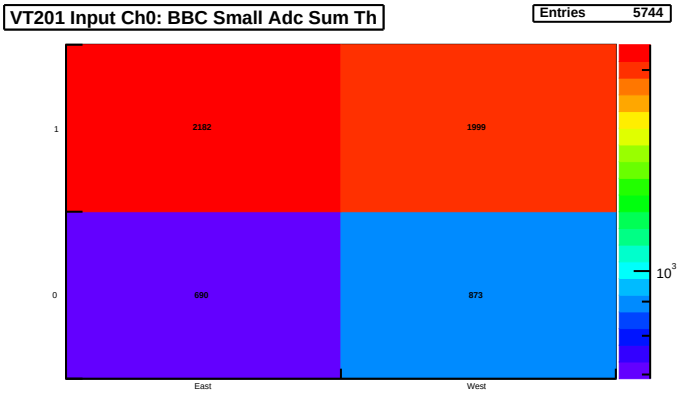

zdcWestTacVsSimu
Entries 25
Data
Simu
0
200
400
600
800
1000
1

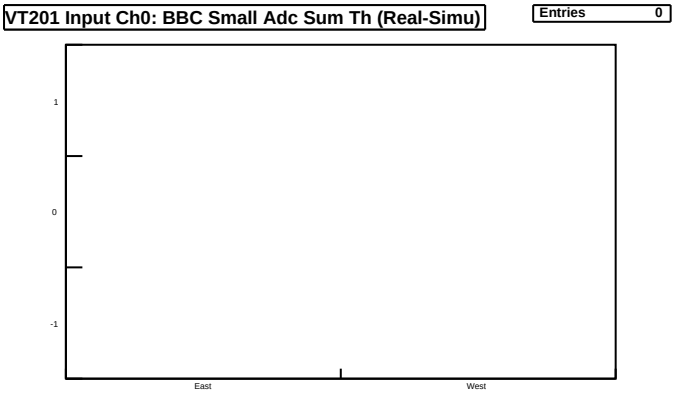

zdcAdcSum
Entries 34464
1
0
309
38
639
59
2
2
2
2
2563
2834
2872
2872
2872
2872
2233
2813
2870
2870
2870
2870
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

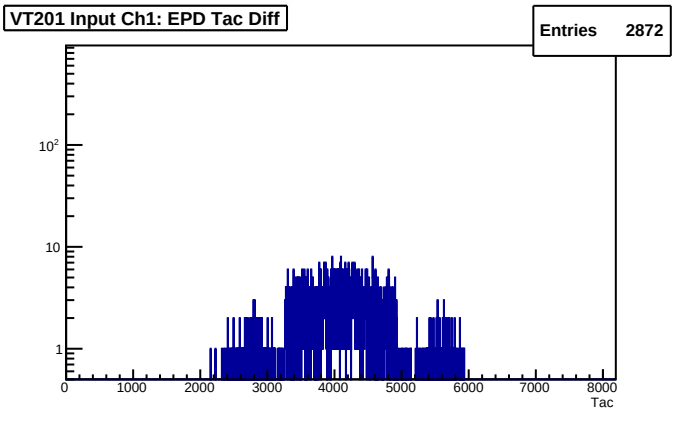

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

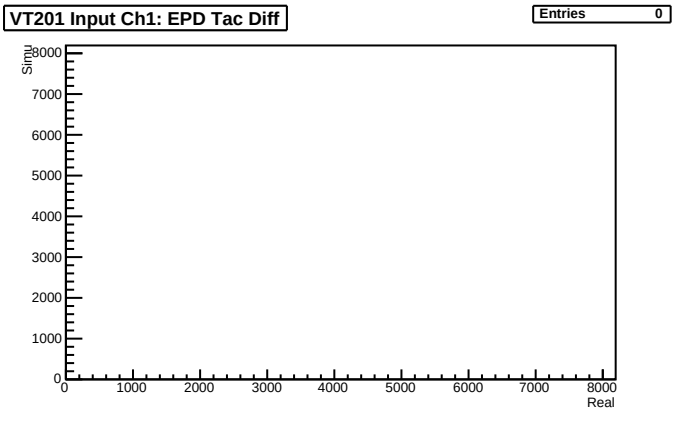

VT201 Input Ch0: BBC Small Tac Diff
Entries 2872
Tac

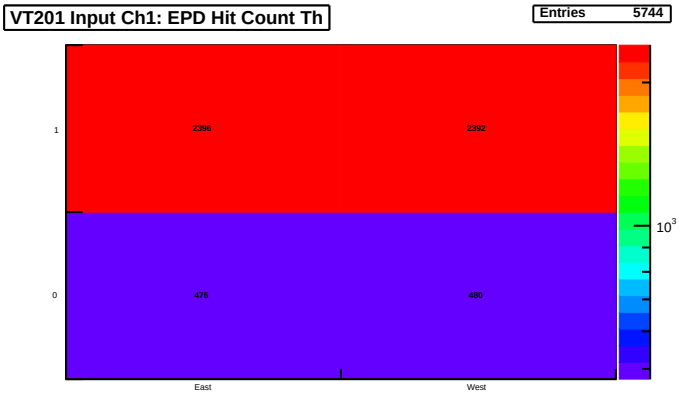

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

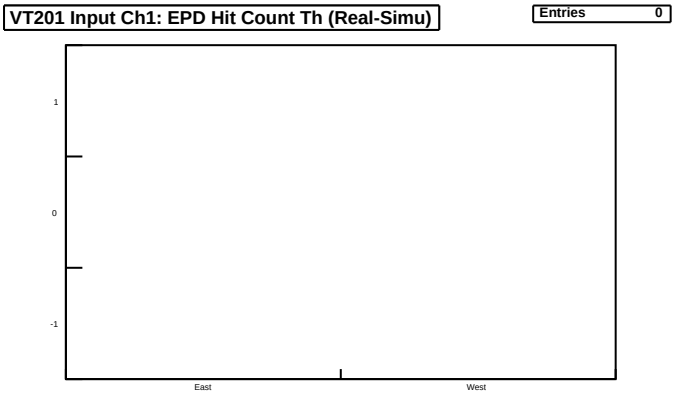

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 5744
2182
1999
690
873
East
West

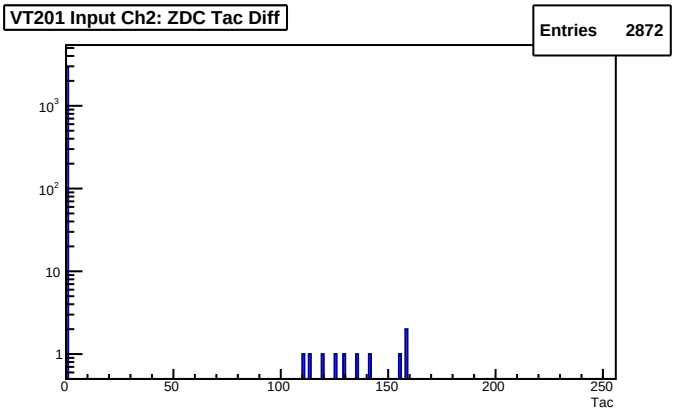

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

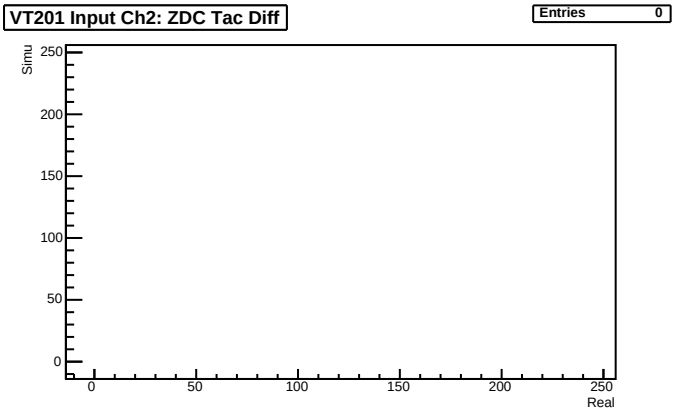

VT201 Input Ch1: EPD Tac Diff
Entries 2872
Tac

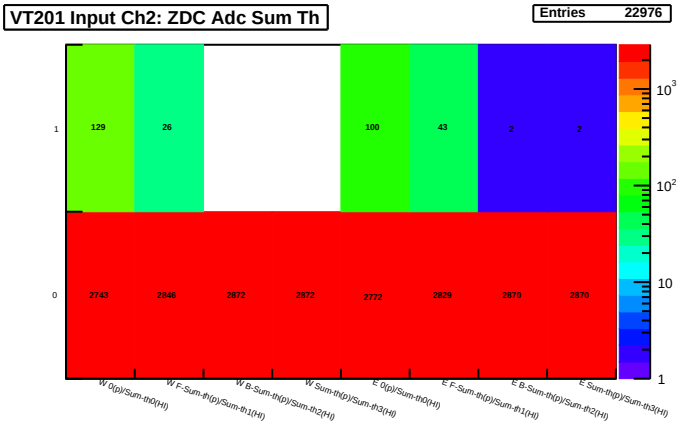

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

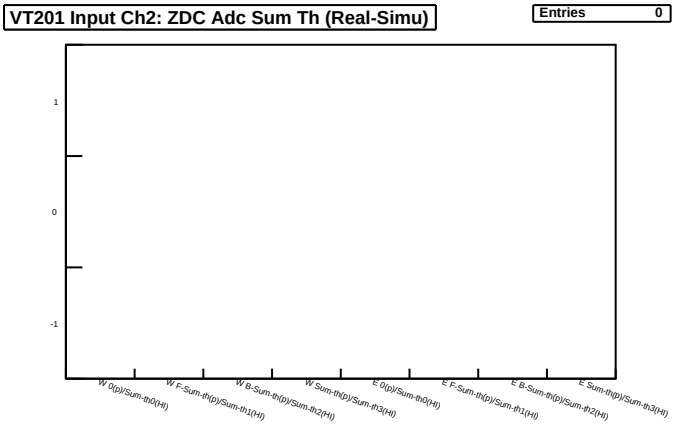

VT201 Input Ch1: EPD Hit Count Th
Entries 5744
2396
2392
476
480
East
West

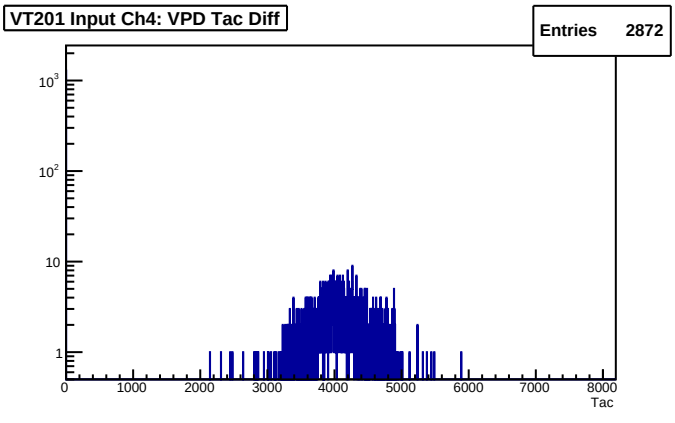

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

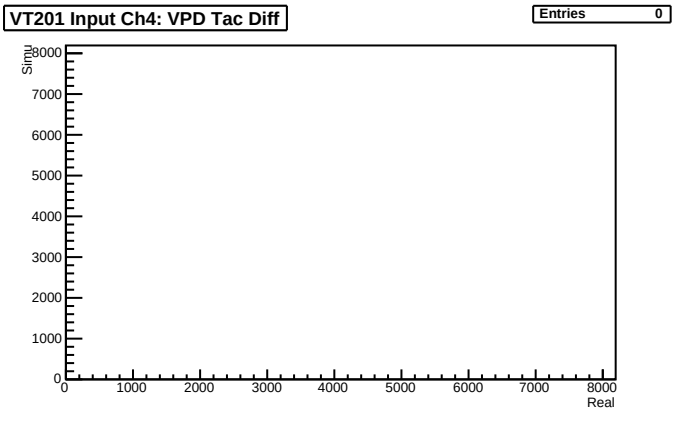

VT201 Input Ch2: ZDC Tac Diff
Entries 2872
Tac

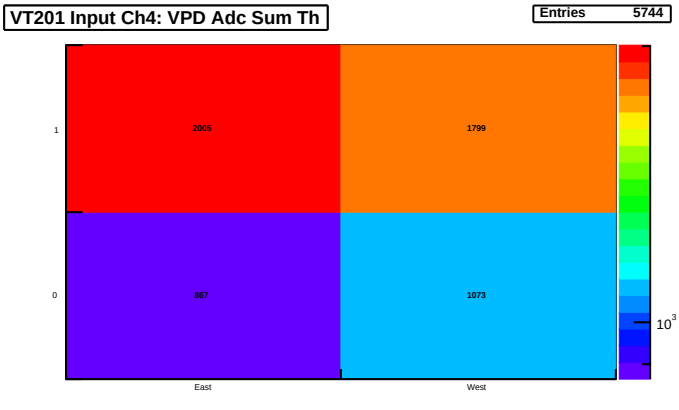

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

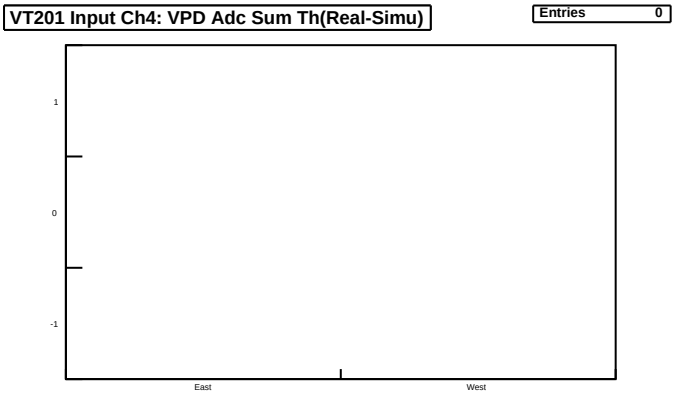

VT201 Input Ch2: ZDC Adc Sum Th
Entries 22976
129
26
100
43
2
2
2743
2846
2872
2872
2772
2829
2870
2870
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

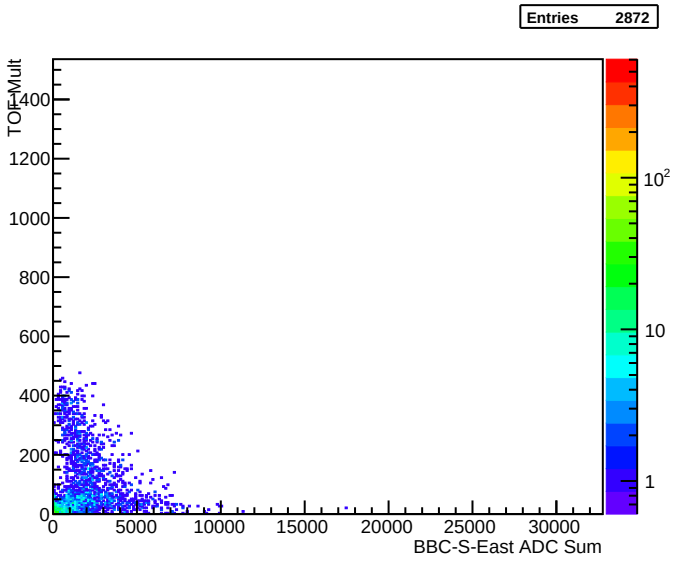

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

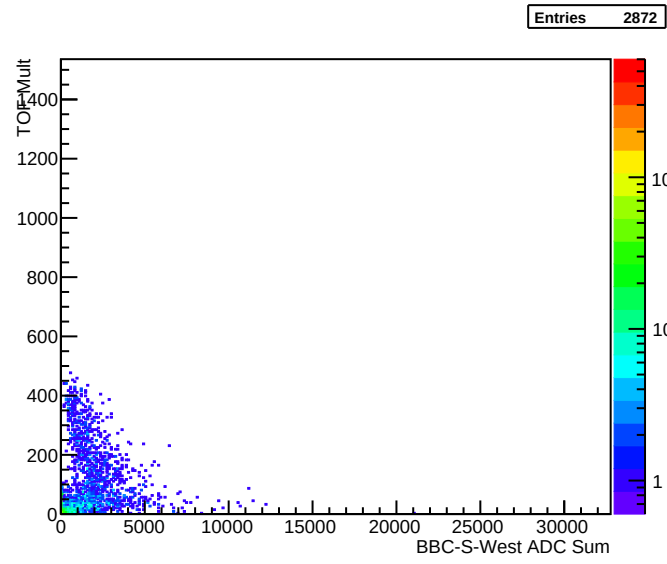

VT201 Input Ch4: VPD Tac Diff
Entries 2872
Tac

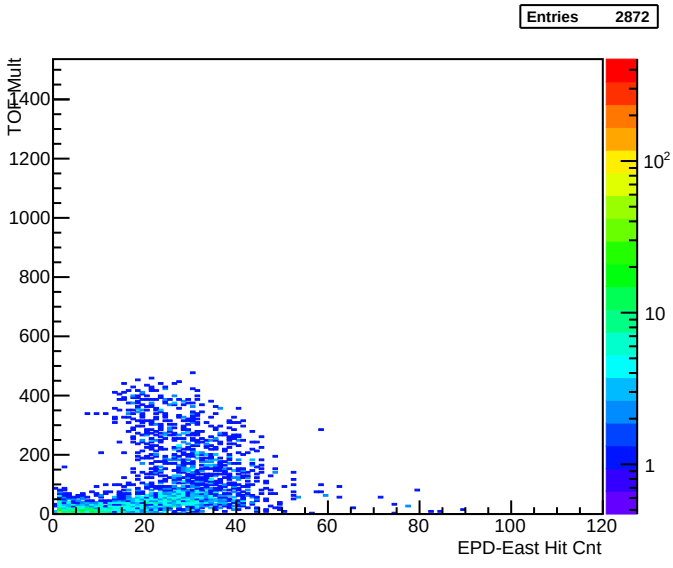

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

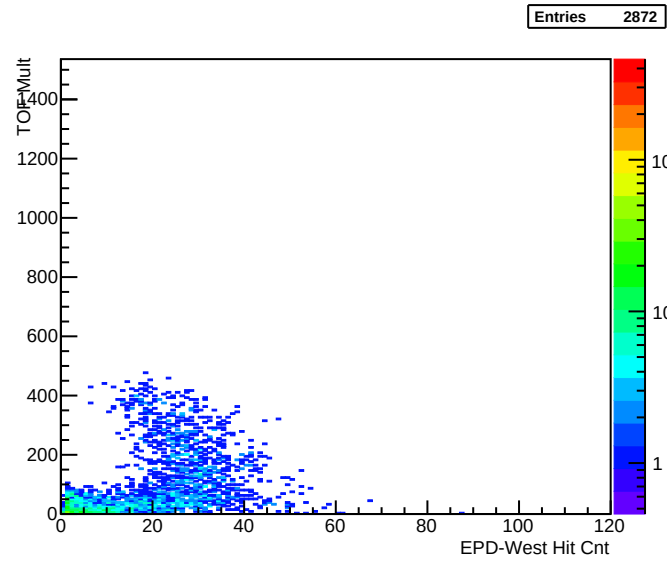

VT201 Input Ch4: VPD Adc Sum Th
Entries 5744
2005
1799
867
1073
East
West

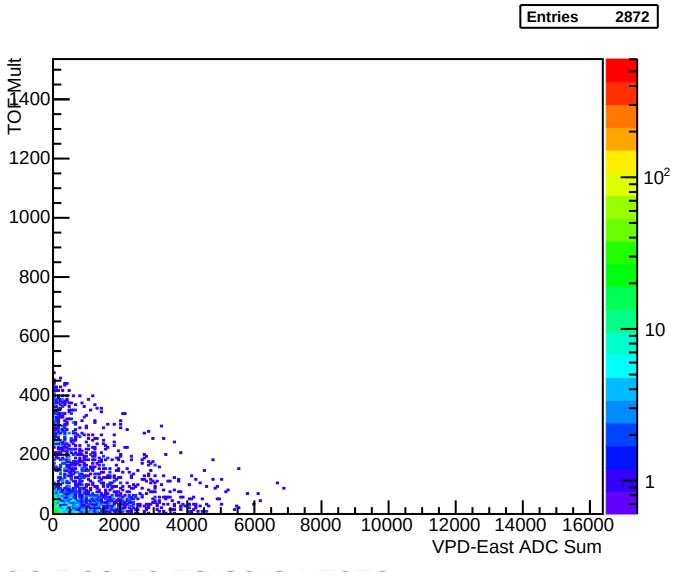

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

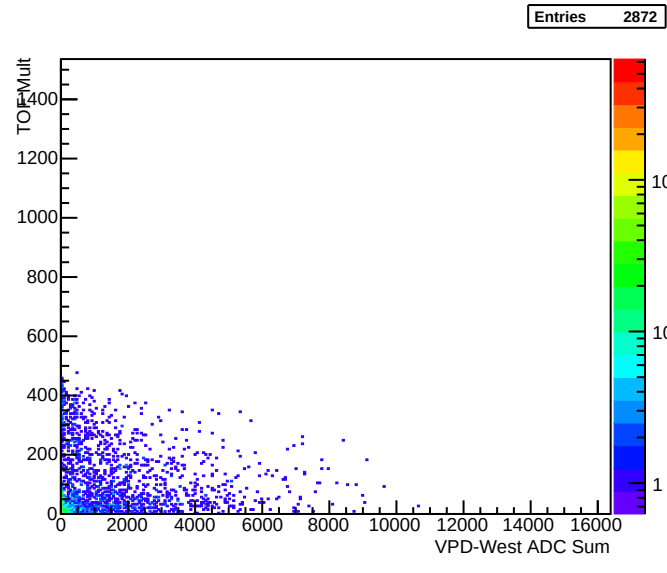

Entries 2872
TOF-Mult
BBC-S-East ADC Sum

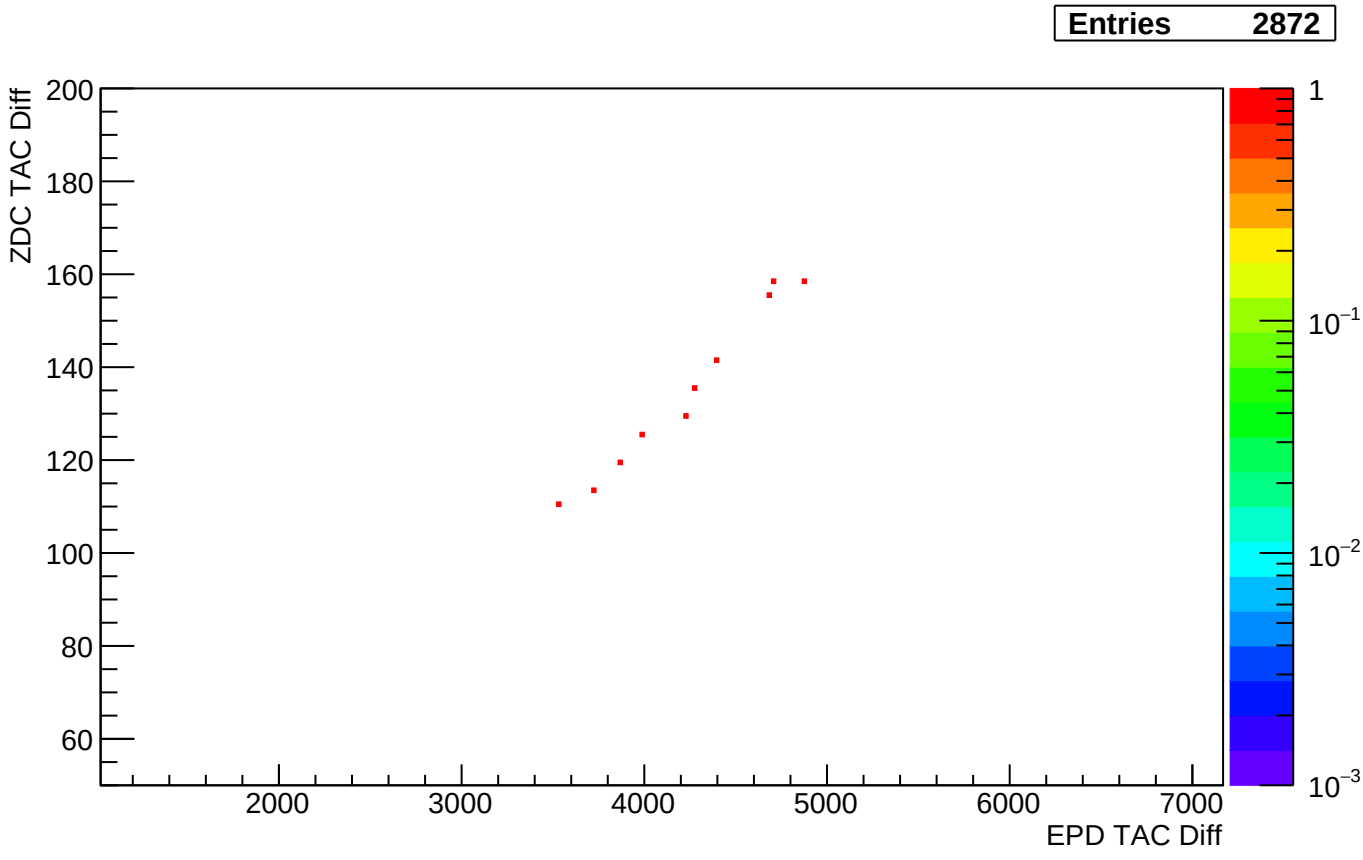

Entries 2872
TOF-Mult
BBC-S-West ADC Sum

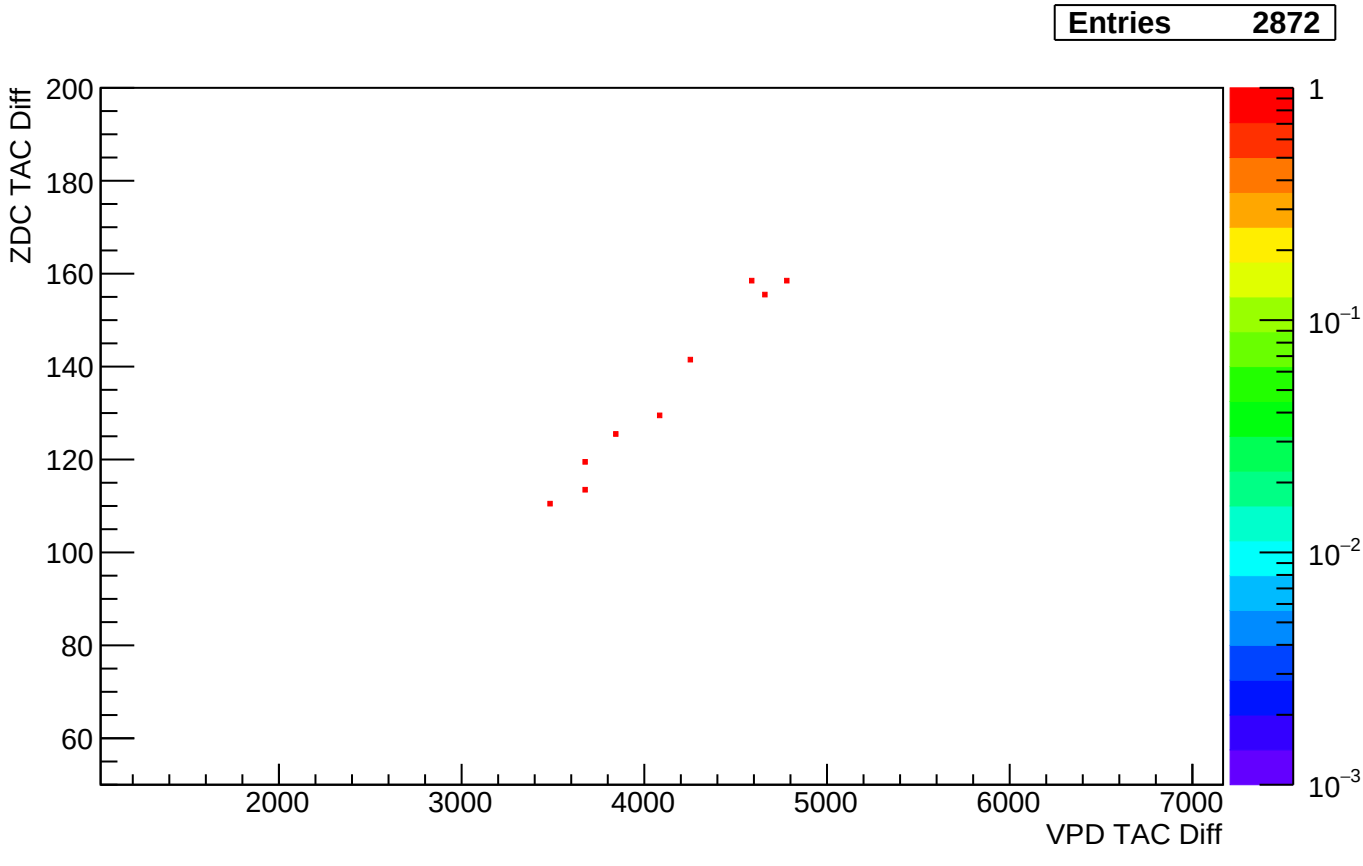

Entries 2872
TOF-Mult
EPD-East Hit Cnt

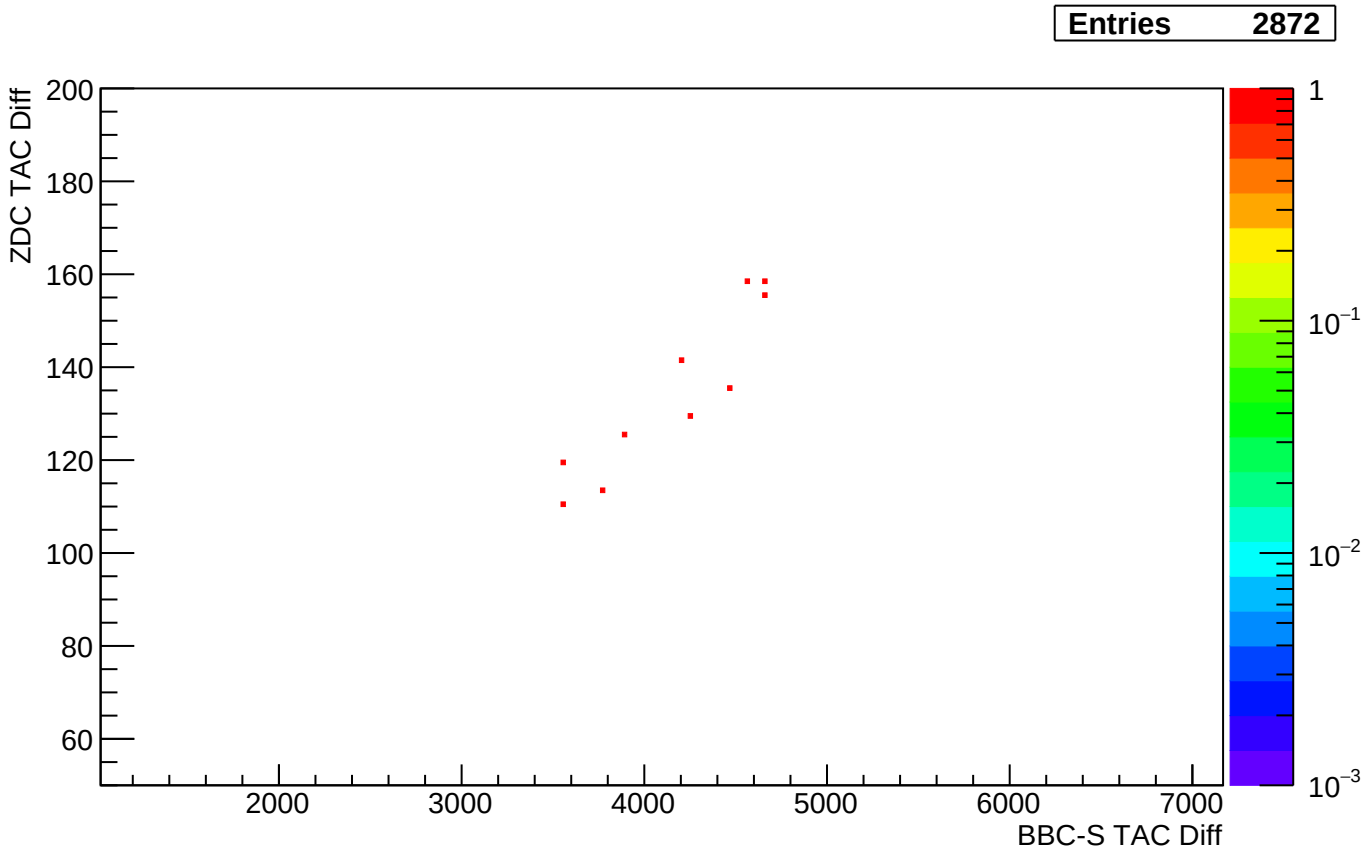

Entries 2872
TOF-Mult
EPD-West Hit Cnt

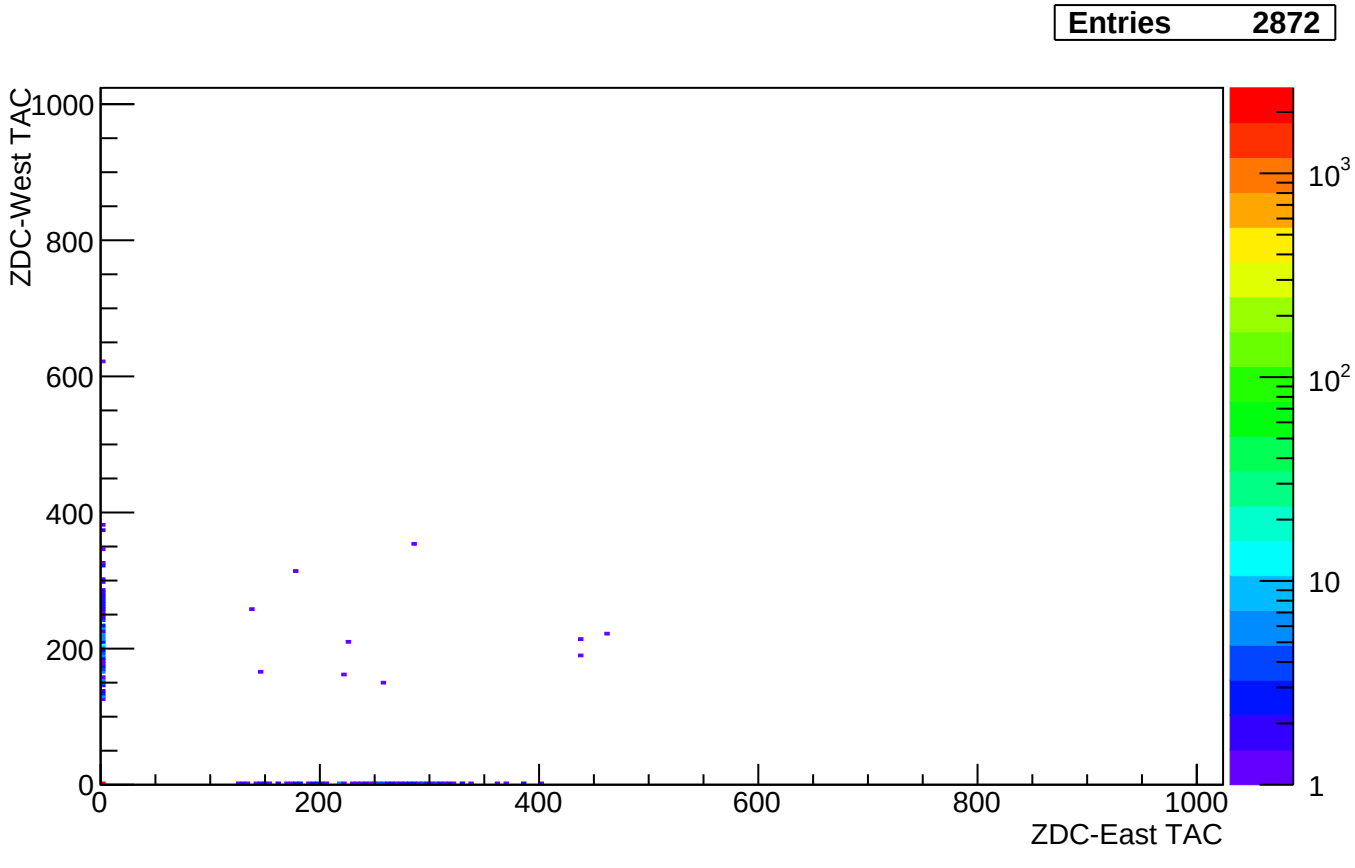

Entries 2872
TOF-Mult
VPD-East ADC Sum

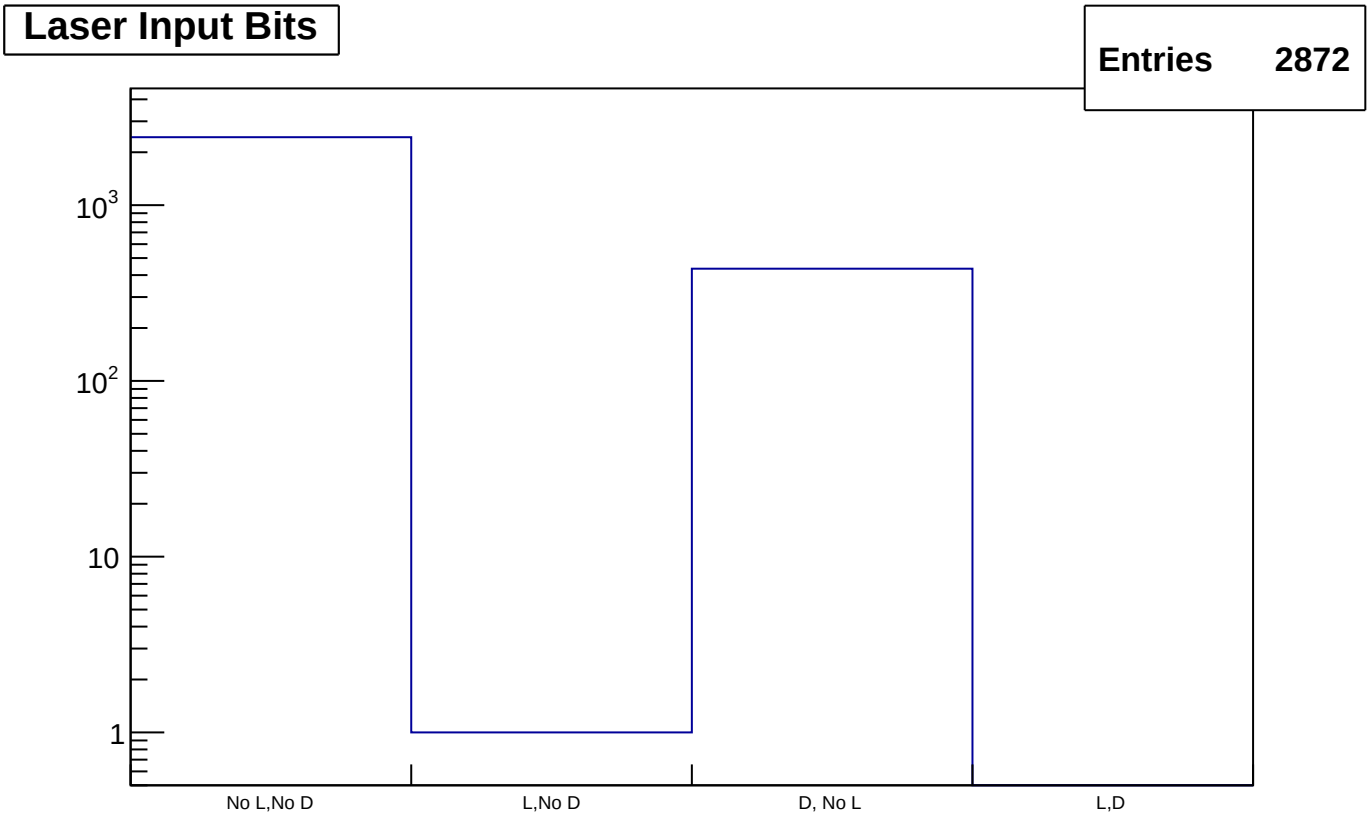

Entries 2872
TOF-Mult
VPD-West ADC Sum

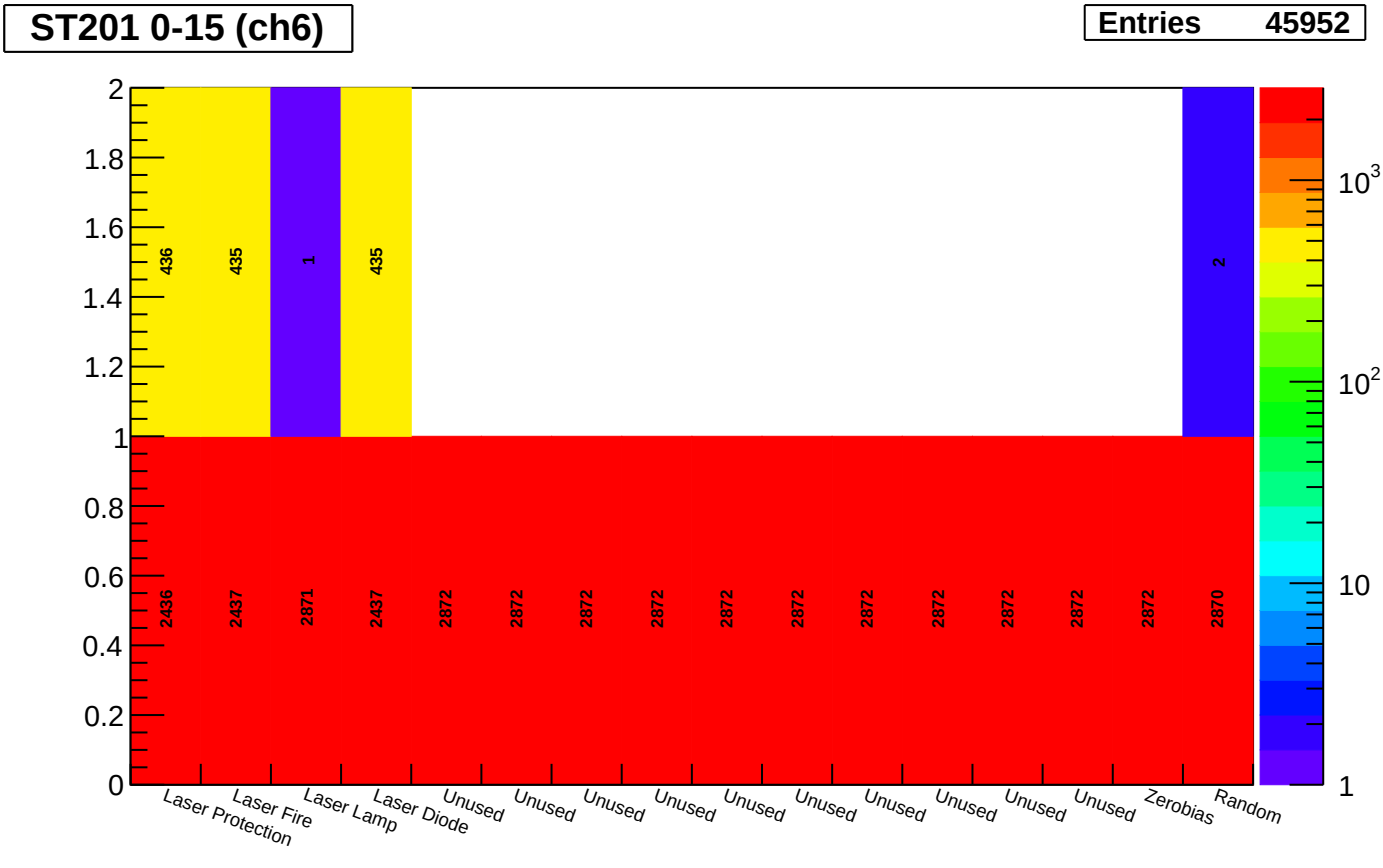

Entries 2872
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

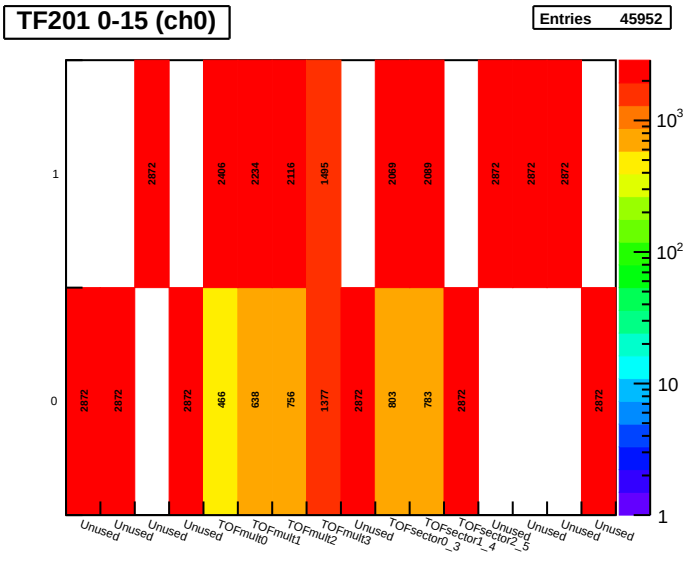

Entries 2872
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

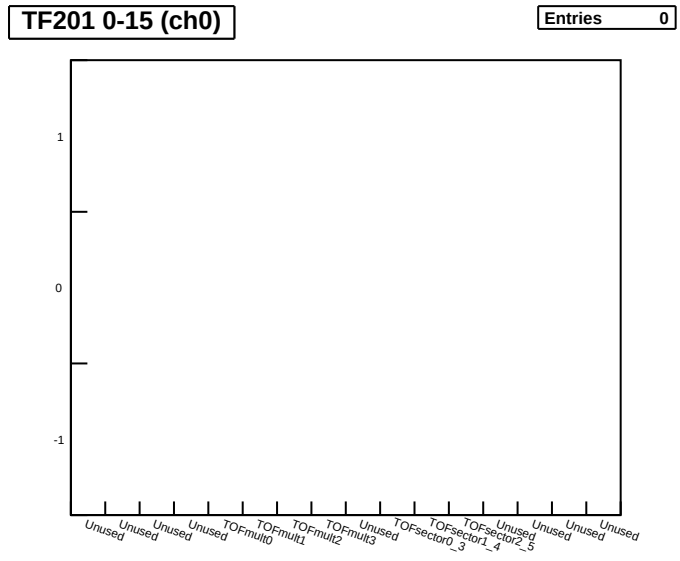

Entries 2872
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

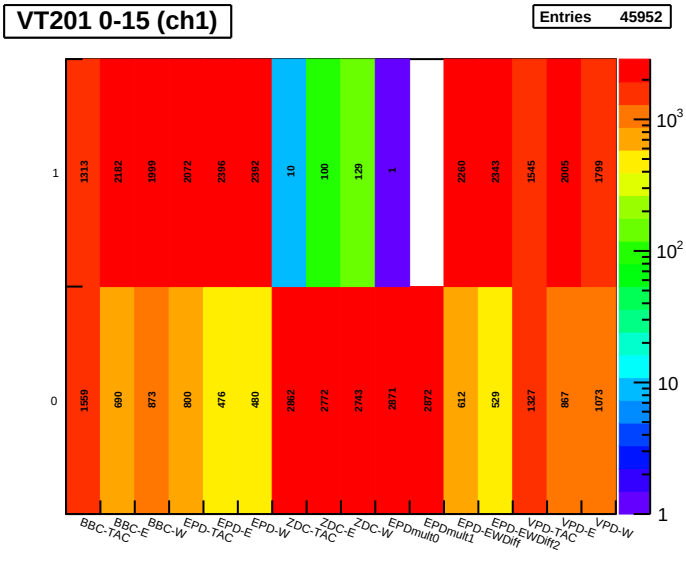

Entries 2872
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^3
10^2
10
1

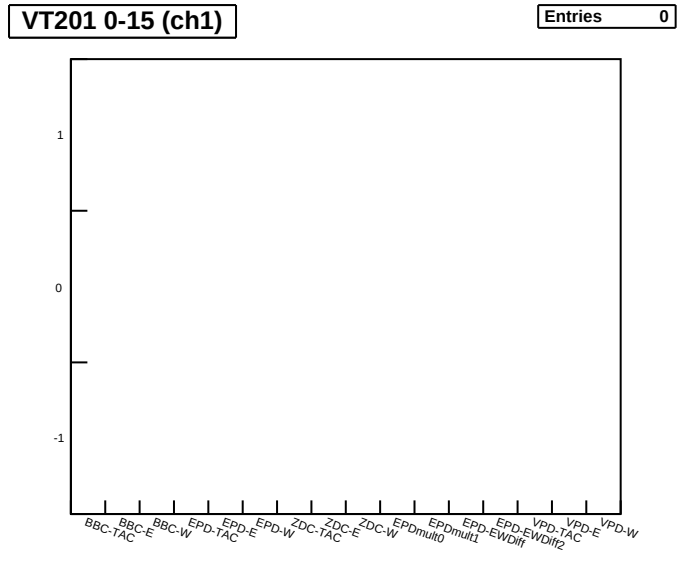

Laser Input Bits
Entries 2872
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

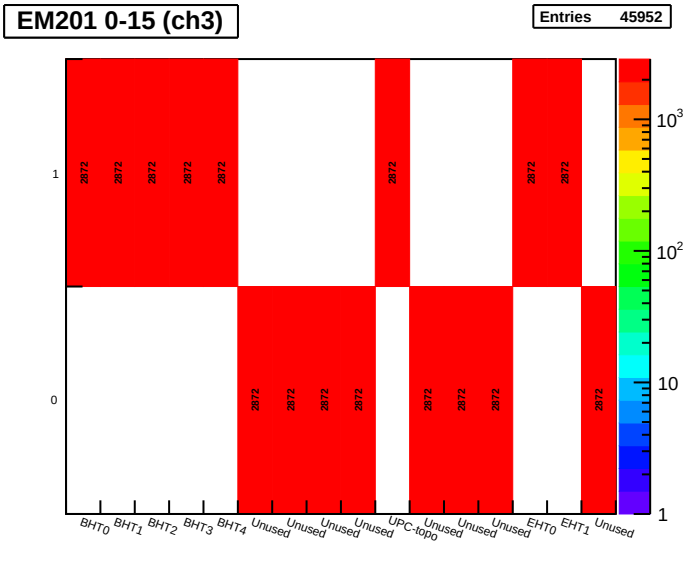

ST201 0-15 (ch6)
Entries 45952
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
436
435
1
435
2
2436
2437
2871
2437
2872
2872
2872
2872
2872
2872
2872
2872
2872
2872
2872
2870
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^3
10^2
10
1

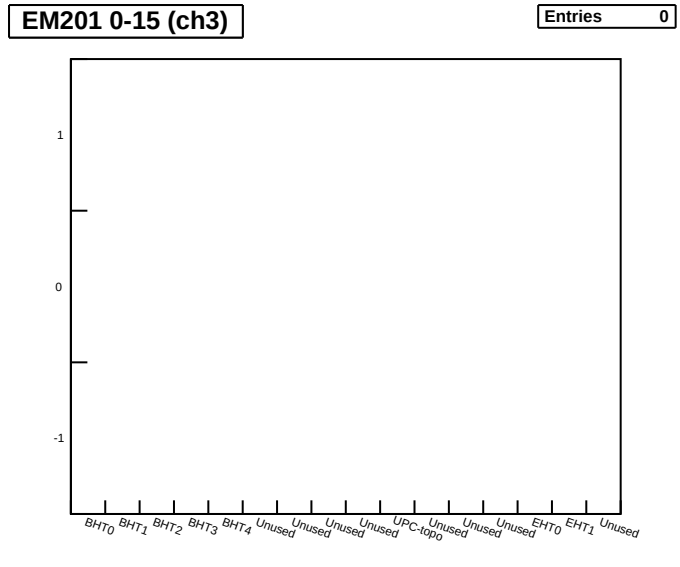

TF201 0-15 (ch0)
Entries 45952
1
0
2872 2406 2234 2116 1495 2069 2089 2872 2872 2872
2872 2872 2872 466 638 756 1377 2872 803 783 2872 2872
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^3
10^2
10
1


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 Unused


VT201 0-15 (ch1)
Entries 45952
1
0
1313 2182 1999 2072 2396 2392 10 100 129 1 2260 2343 1545 2005 1799
1559 690 873 800 476 480 2862 2772 2743 2871 2872 612 529 1327 867 1073
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 45952
1
0
2872 2872 2872 2872 2872 2872 2872 2872
2872 2872 2872 2872 2872 2872 2872 2872
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