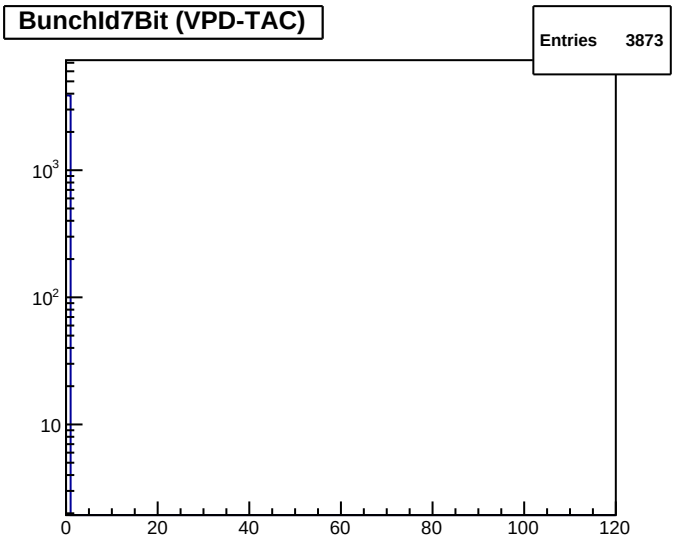
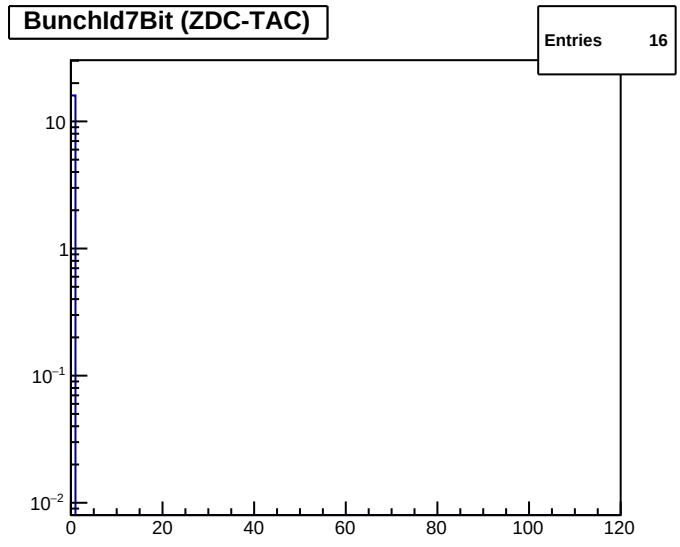
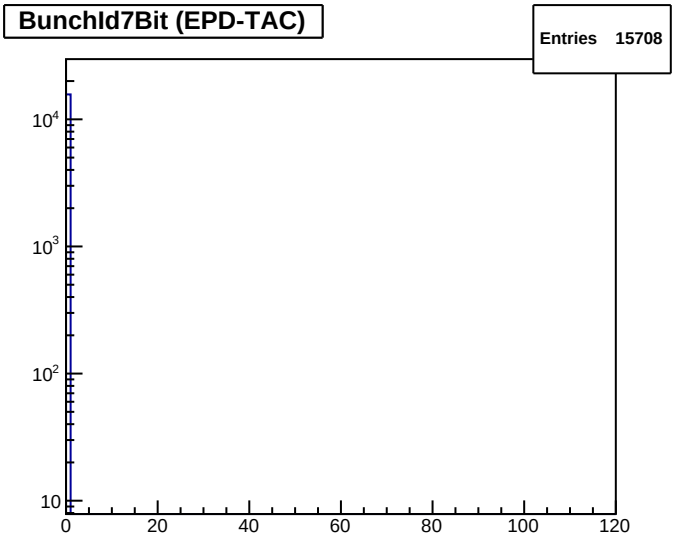
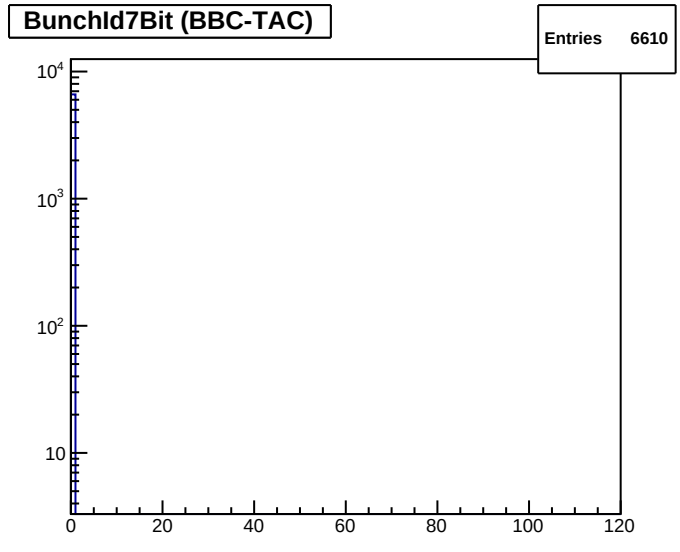
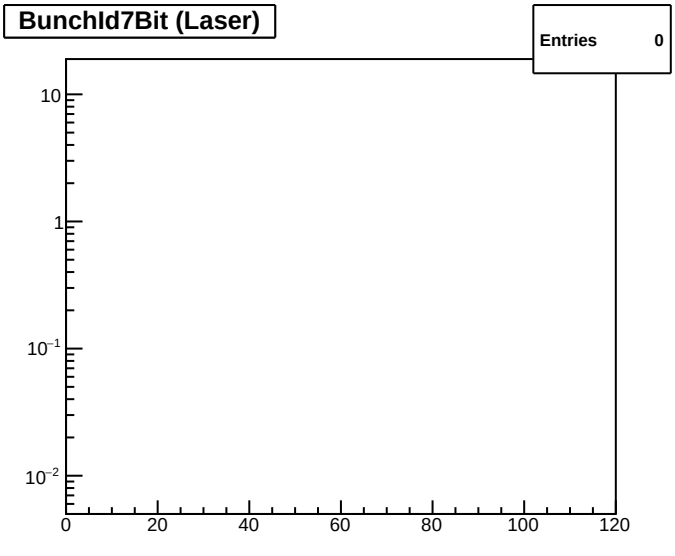
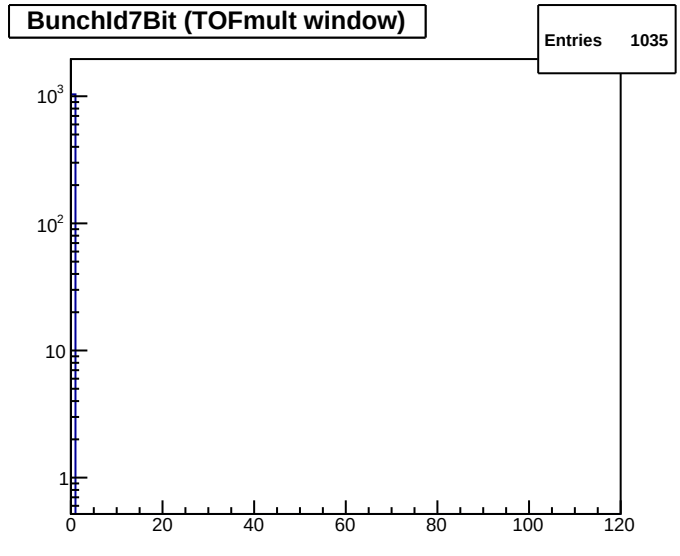

BunchId7Bit (VPD-TAC)
Entries 3873
10^3
10^2
10
0 20 40 60 80 100 120

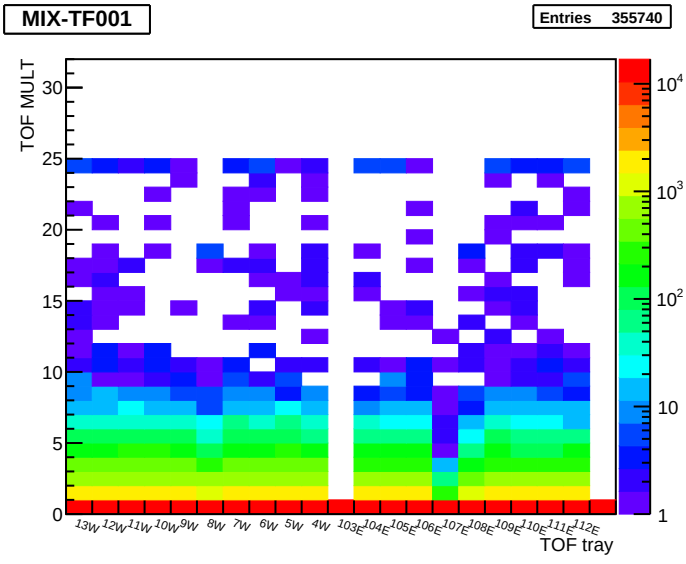

BunchId7Bit (ZDC-TAC)
Entries 16
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

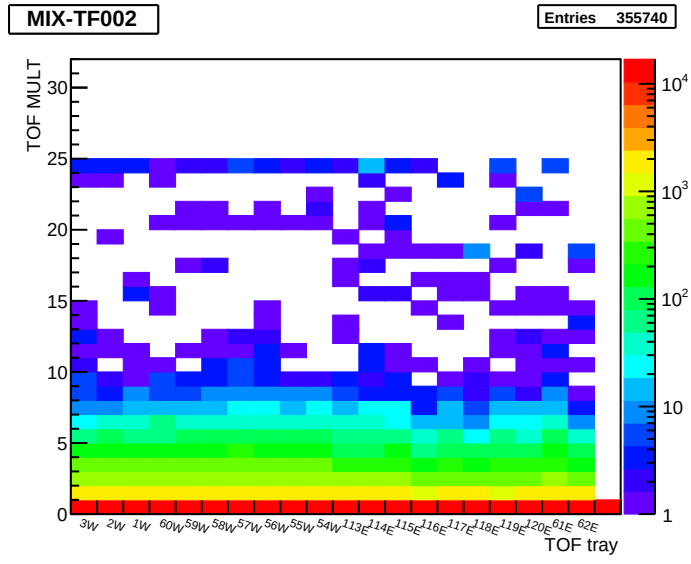

BunchId7Bit (EPD-TAC)
Entries 15708
10^4
10^3
10^2
10
0 20 40 60 80 100 120

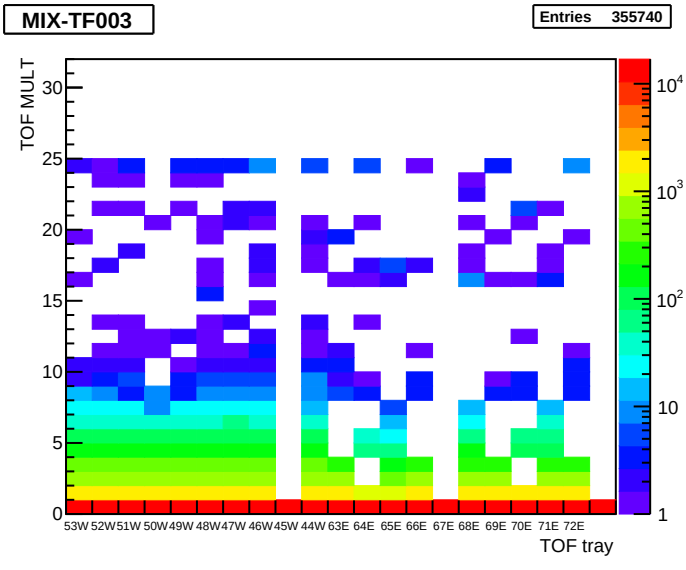

BunchId7Bit (BBC-TAC)
Entries 6610
10^4
10^3
10^2
10
0 20 40 60 80 100 120

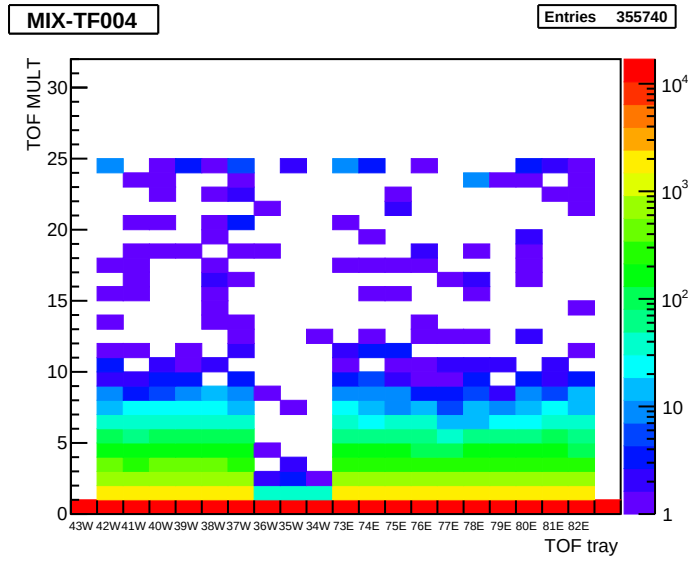

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

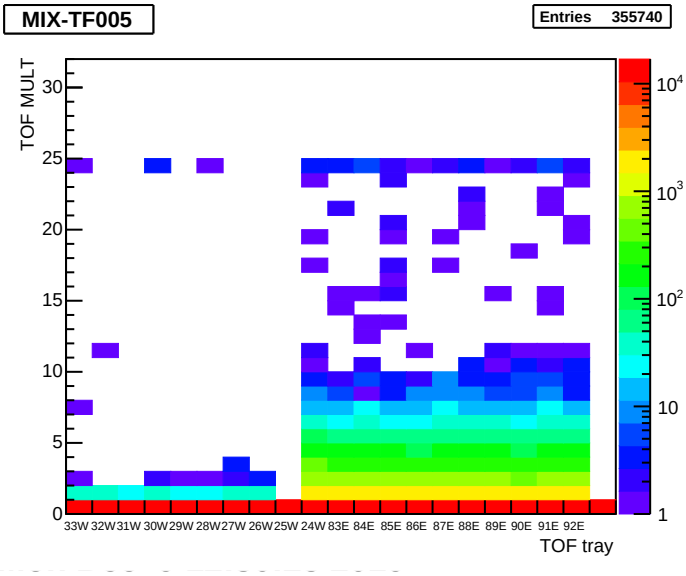

BunchId7Bit (TOFmult window)
Entries 1035
10^3
10^2
10
1
0 20 40 60 80 100 120

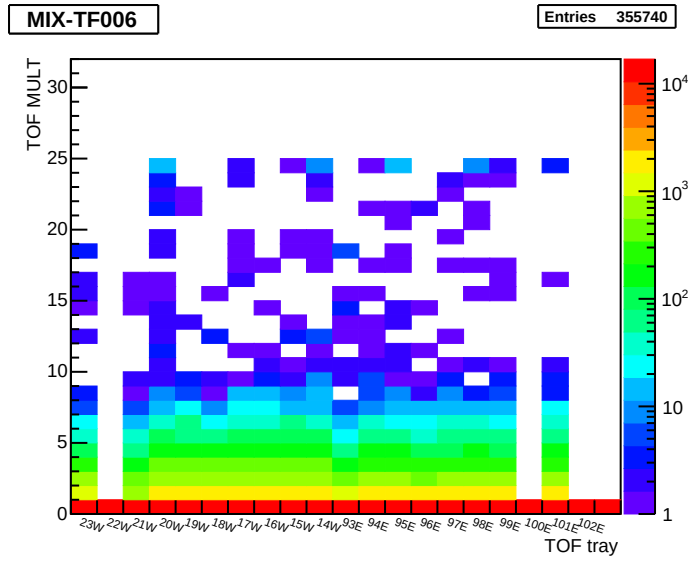

MIX-TF001
Entries 355740
TOF MULT
TOF tray

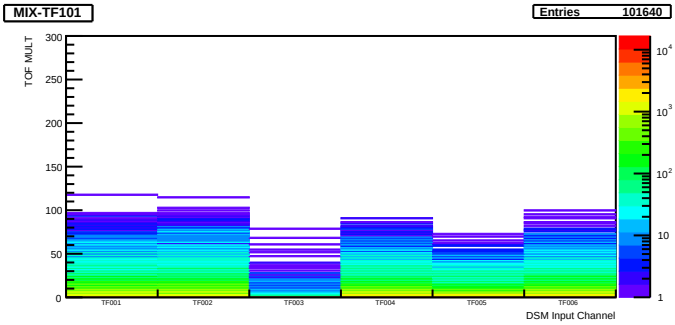

MIX-TF002
Entries 355740
TOF MULT
TOF tray

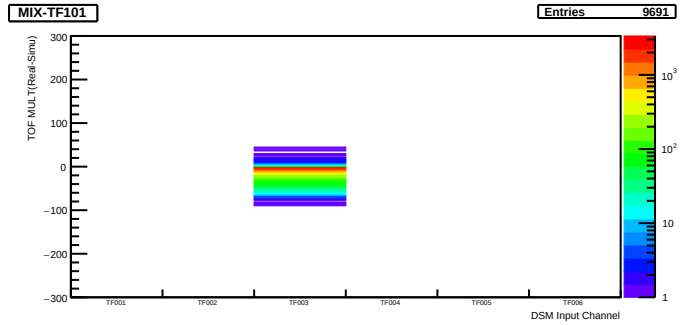

MIX-TF003
Entries 355740
TOF MULT
TOF tray

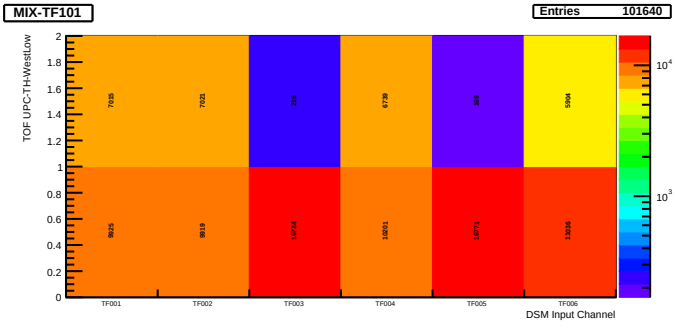

MIX-TF004
Entries 355740
TOF MULT
TOF tray

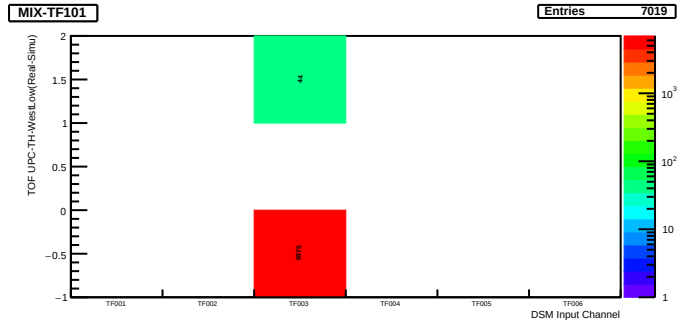

MIX-TF005
Entries 355740
TOF MULT
TOF tray

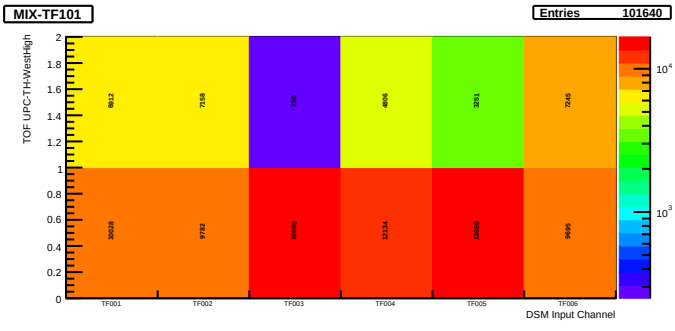

MIX-TF006
Entries 355740
TOF MULT
TOF tray

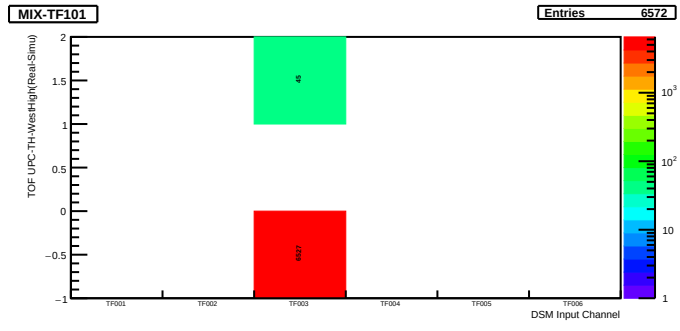

MIX-TF101
Entries 101640
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

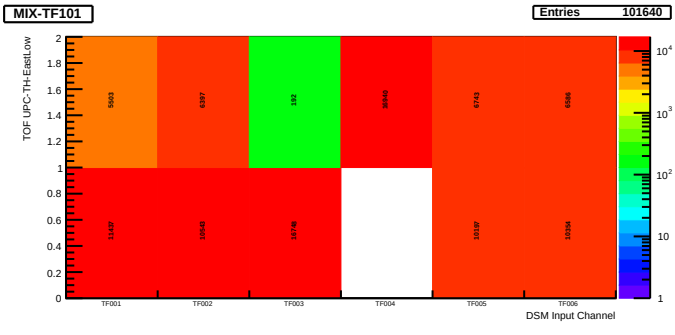

MIX-TF101
Entries 9691
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

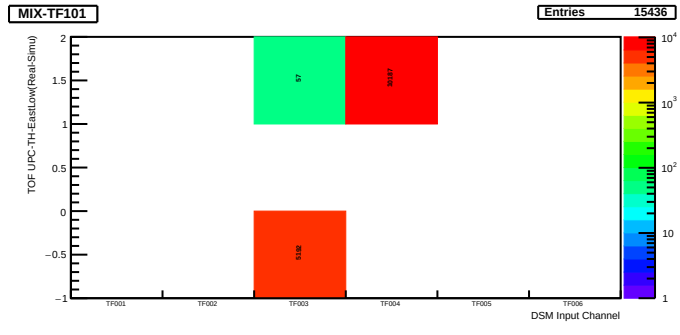

MIX-TF101
Entries 101640
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

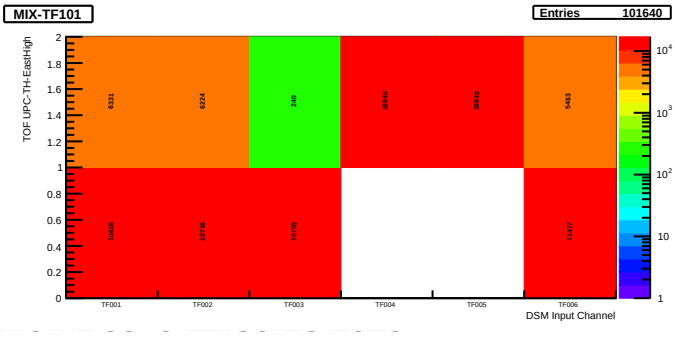

MIX-TF101
Entries 7019
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

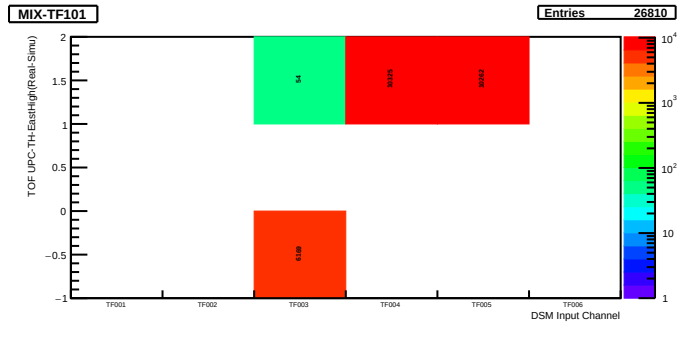

MIX-TF101
Entries 101640
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

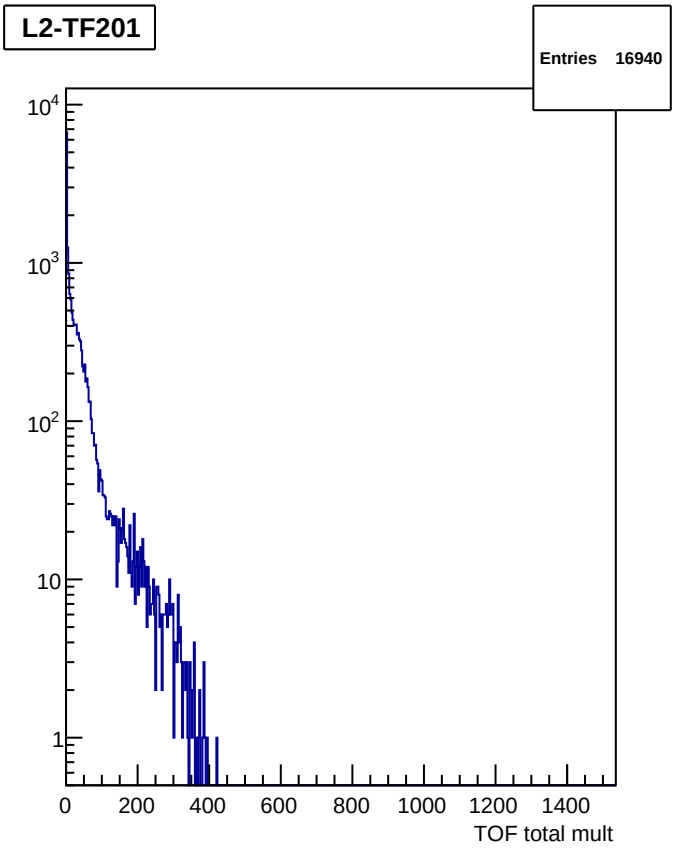

MIX-TF101
Entries 6572
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

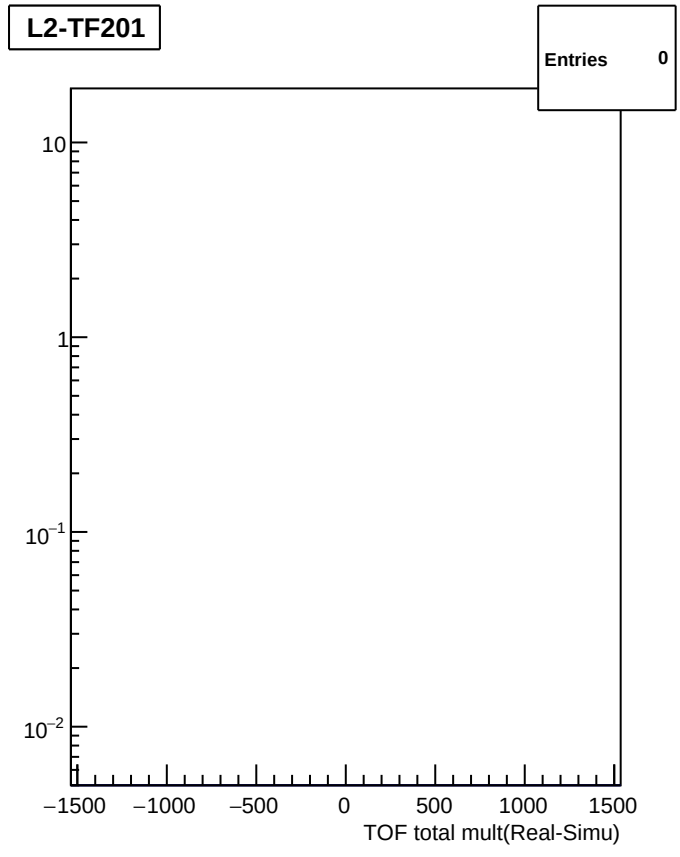

MIX-TF101
Entries 101640
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

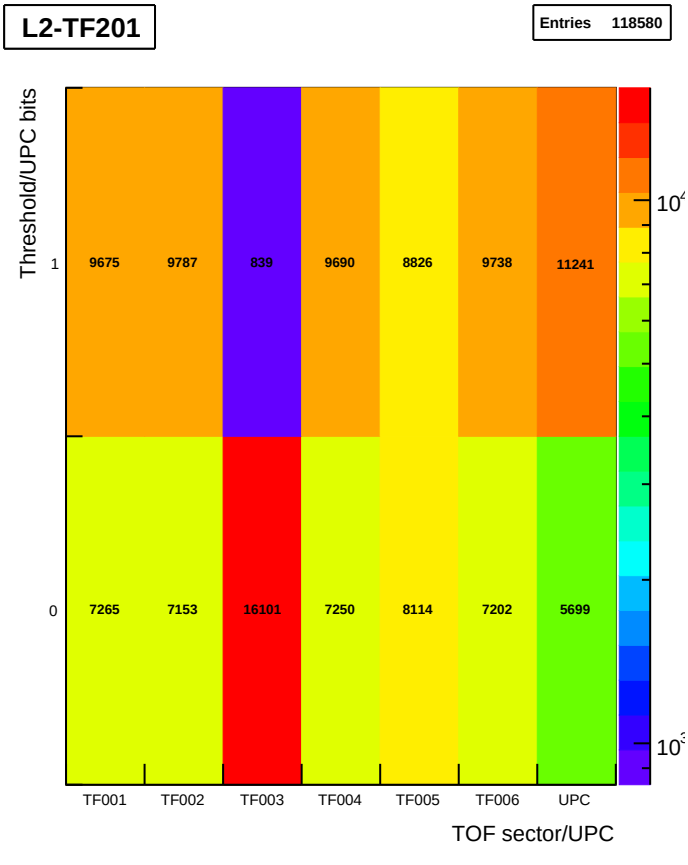

MIX-TF101
Entries 15436
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

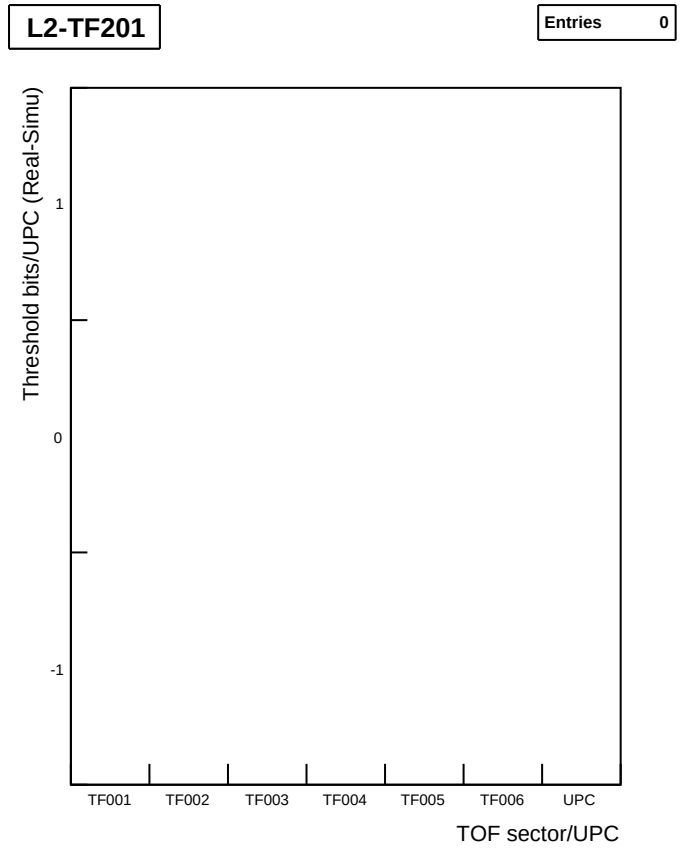

MIX-TF101
Entries 101640
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

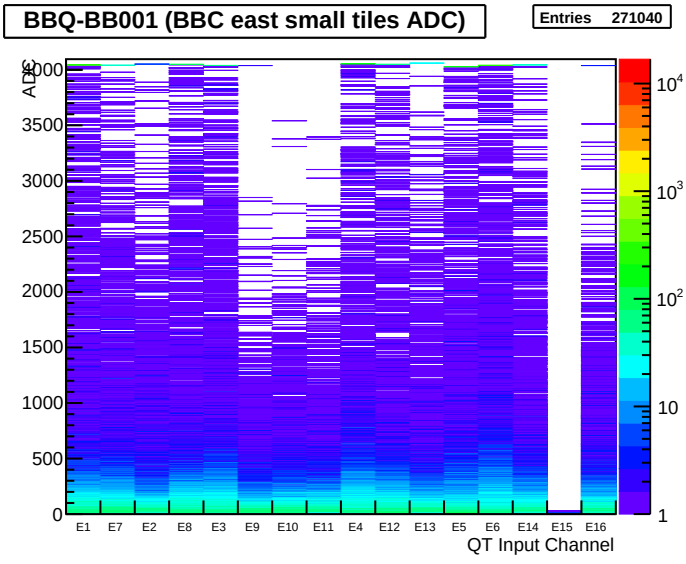

MIX-TF101
Entries 26810
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

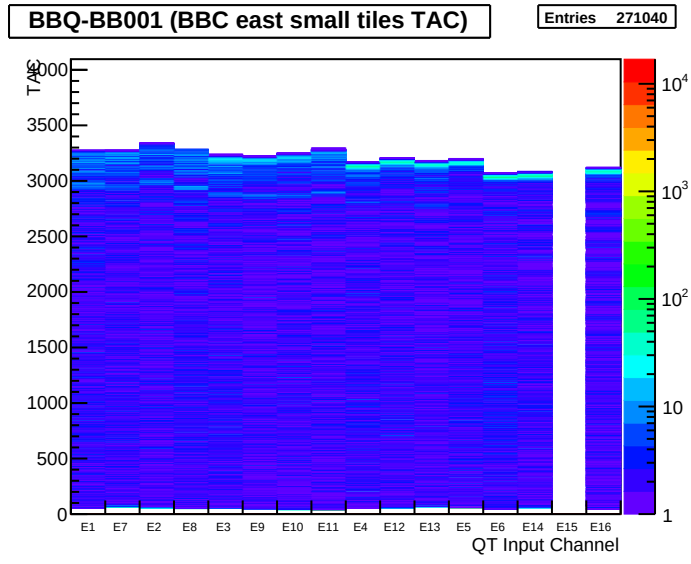

L2-TF201
Entries 16940
TOF total mult

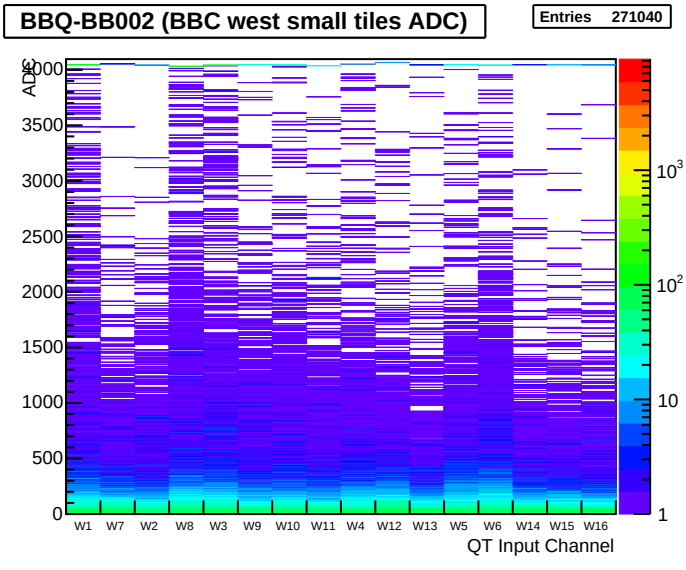

L2-TF201
Entries 0
TOF total mult(Real-Simu)

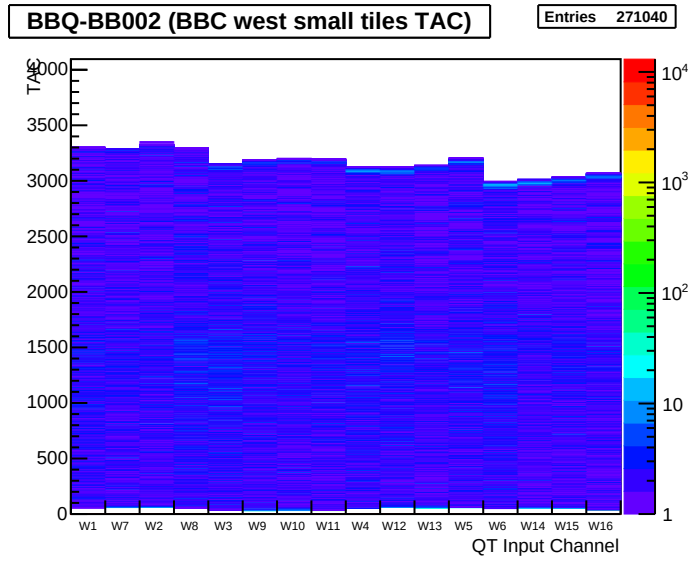

L2-TF201
Entries 118580
Threshold/UPC bits
9675
9787
839
9690
8826
9738
11241
7265
7153
16101
7250
8114
7202
5699
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

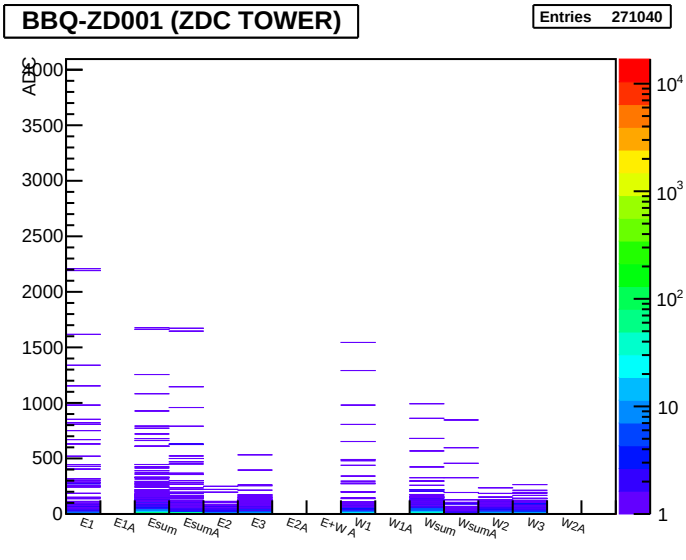

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

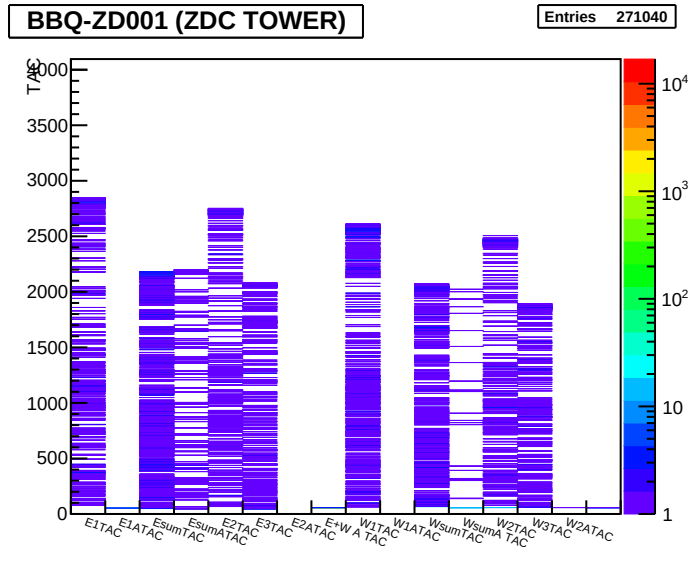

BBQ-BB001 (BBC east small tiles ADC)
Entries 271040
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

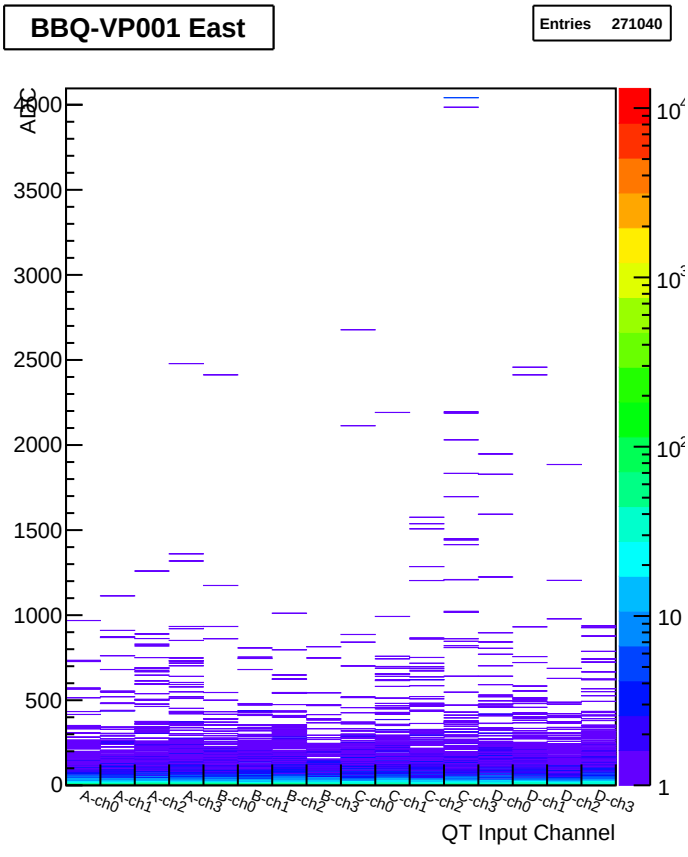

BBQ-BB001 (BBC east small tiles TAC)
Entries 271040
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

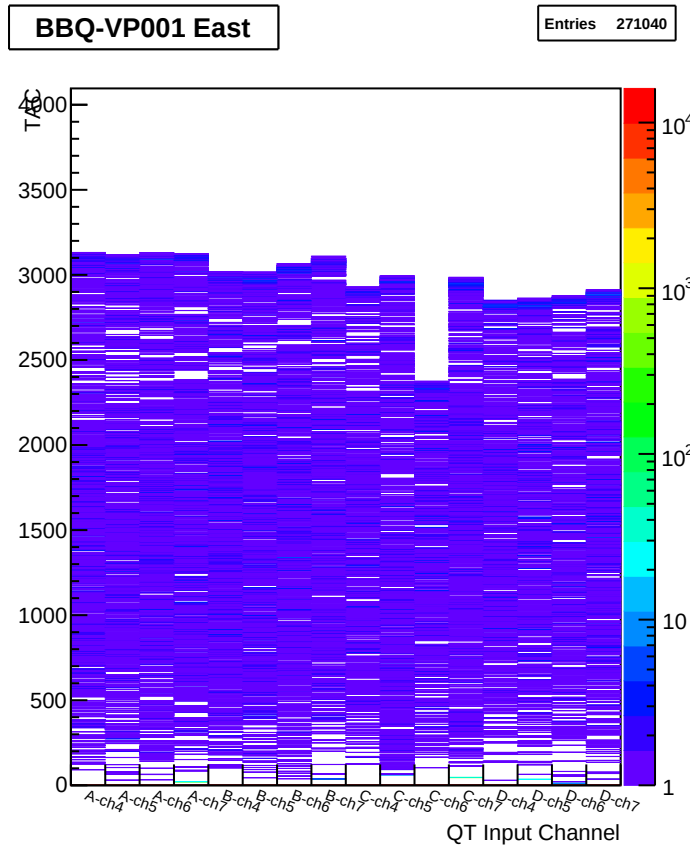

BBQ-BB002 (BBC west small tiles ADC)
Entries 271040
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

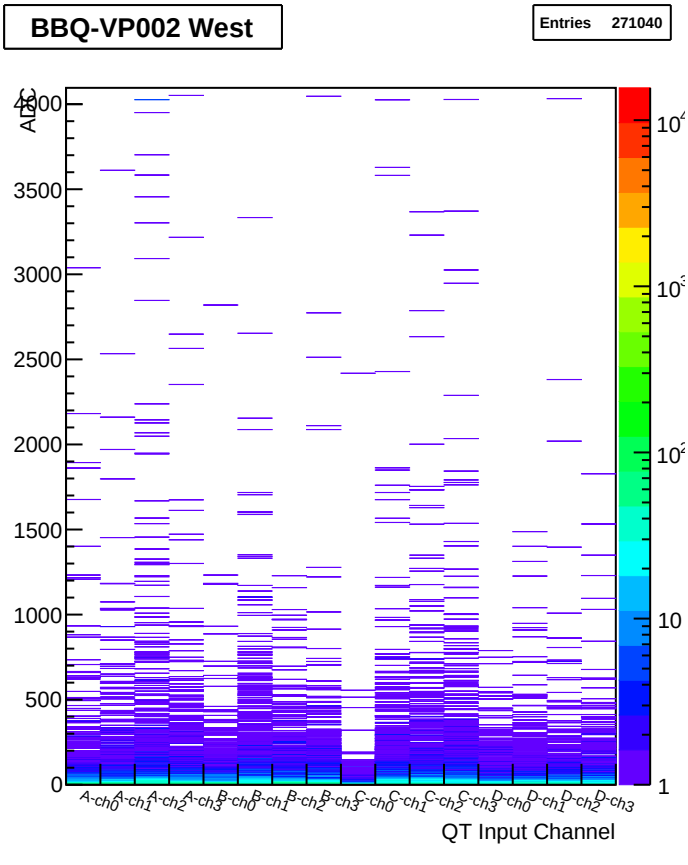

BBQ-BB002 (BBC west small tiles TAC)
Entries 271040
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

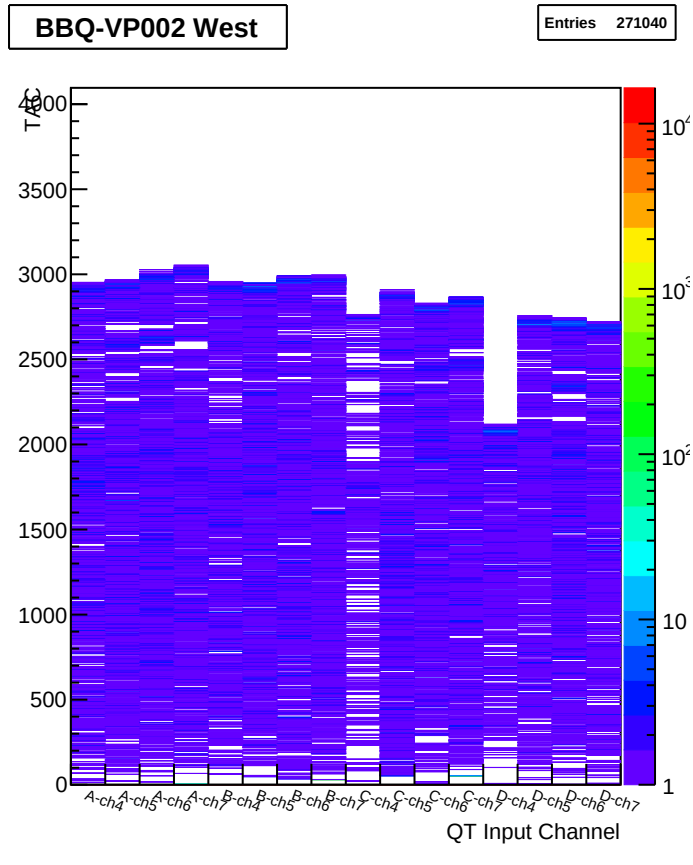

BBQ-ZD001 (ZDC TOWER)
Entries 271040
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

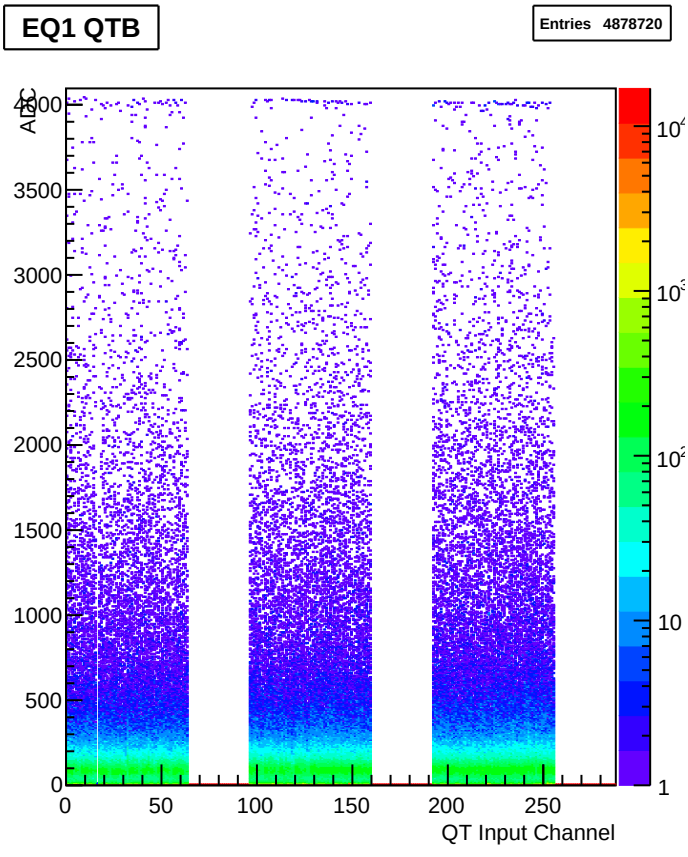

BBQ-ZD001 (ZDC TOWER)
Entries 271040
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

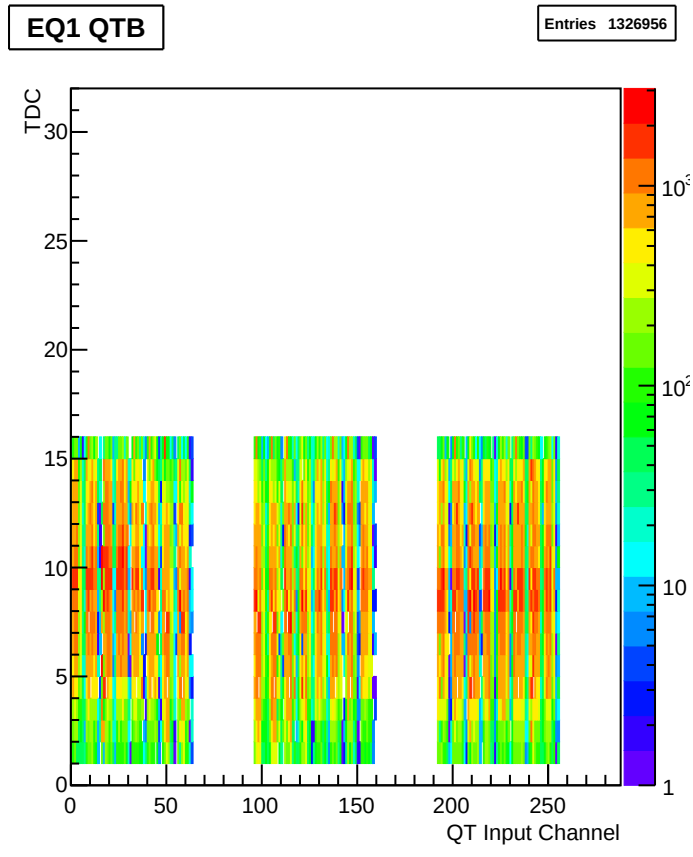

BBQ-VP001 East
Entries 271040
ADC
QT Input Channel

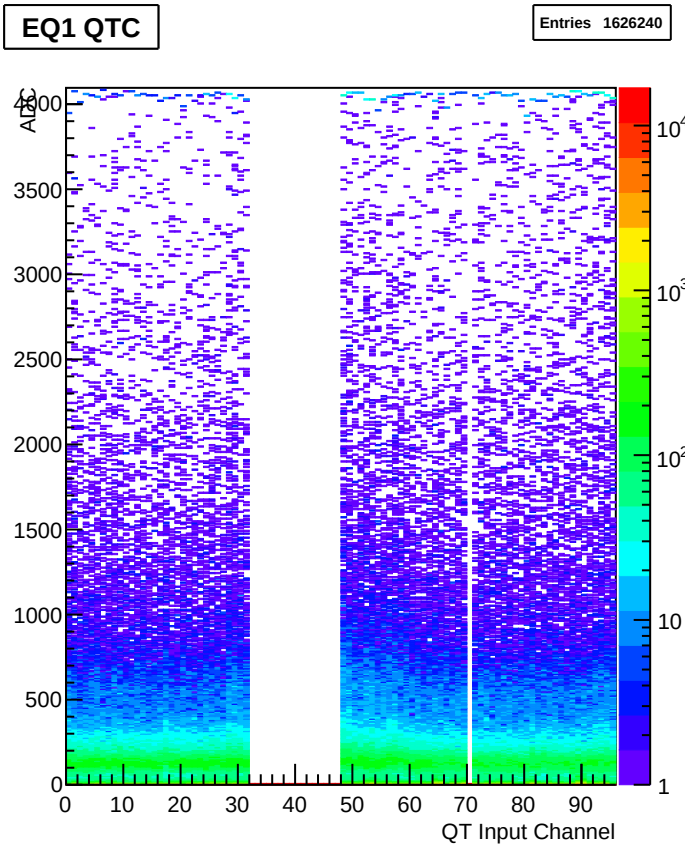

BBQ-VP001 East
Entries 271040
TAC
QT Input Channel

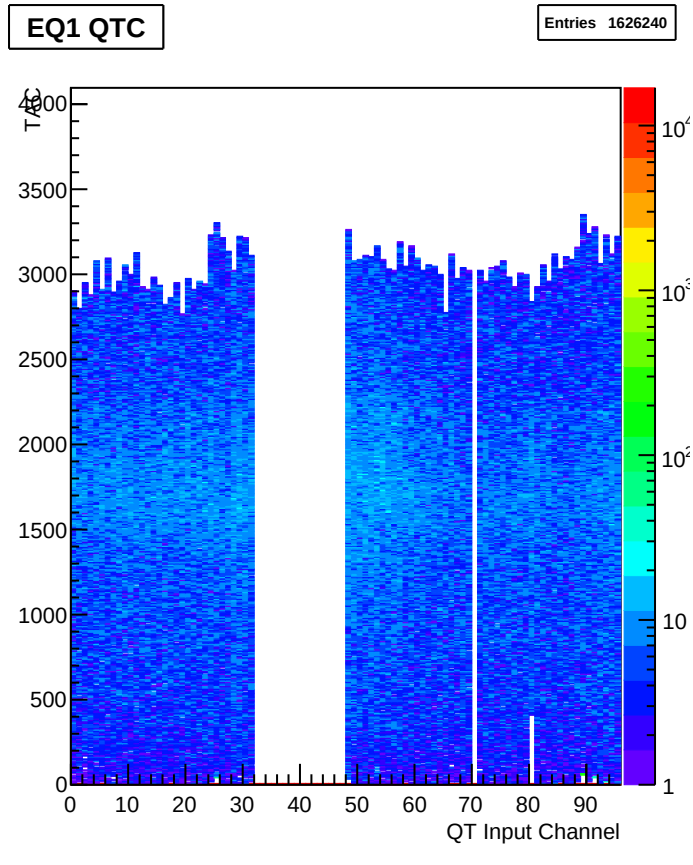

BBQ-VP002 West
Entries 271040
ADC
QT Input Channel

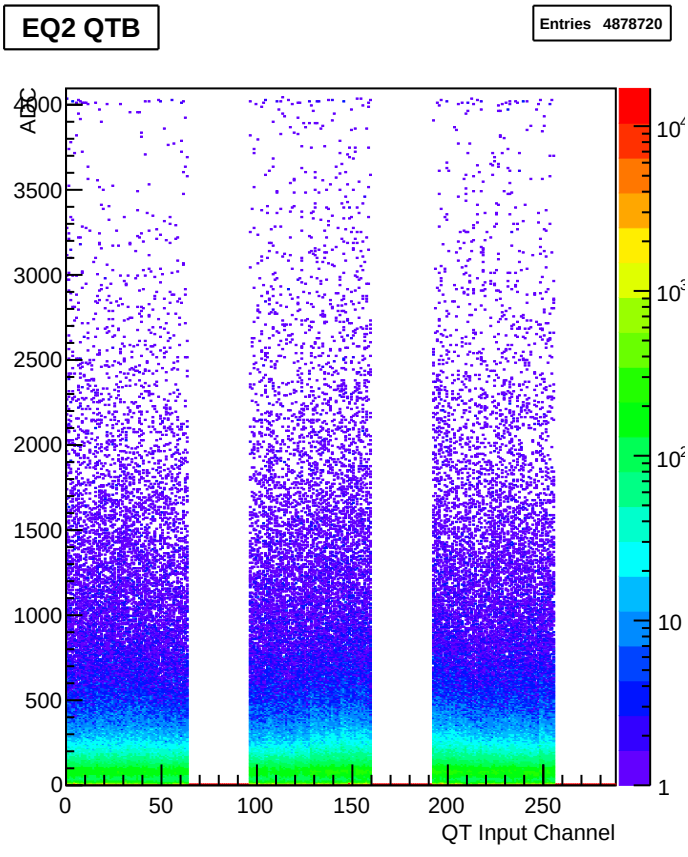

BBQ-VP002 West
Entries 271040
TAC
QT Input Channel

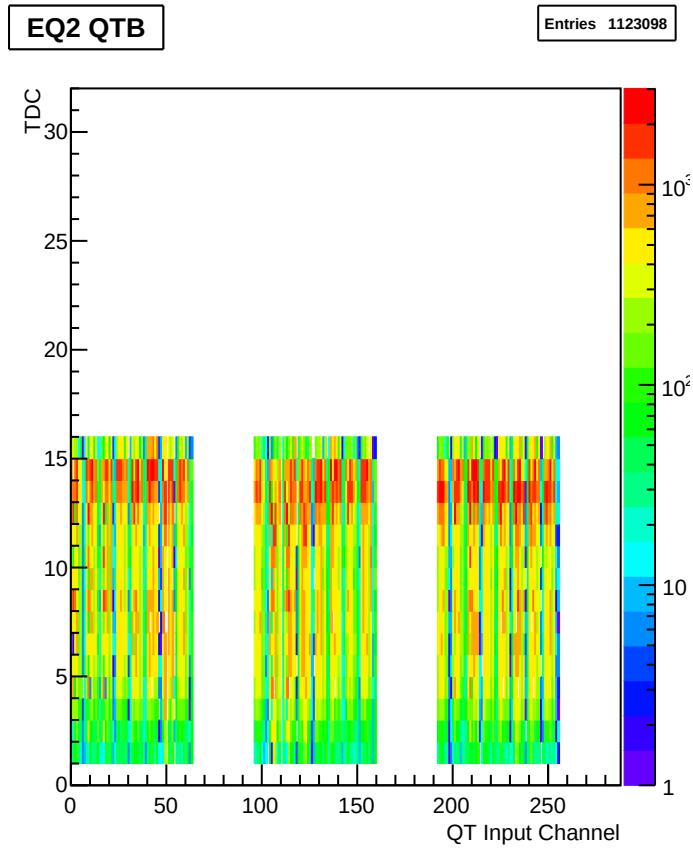

EQ1 QTB
Entries 4878720
ADC
QT Input Channel

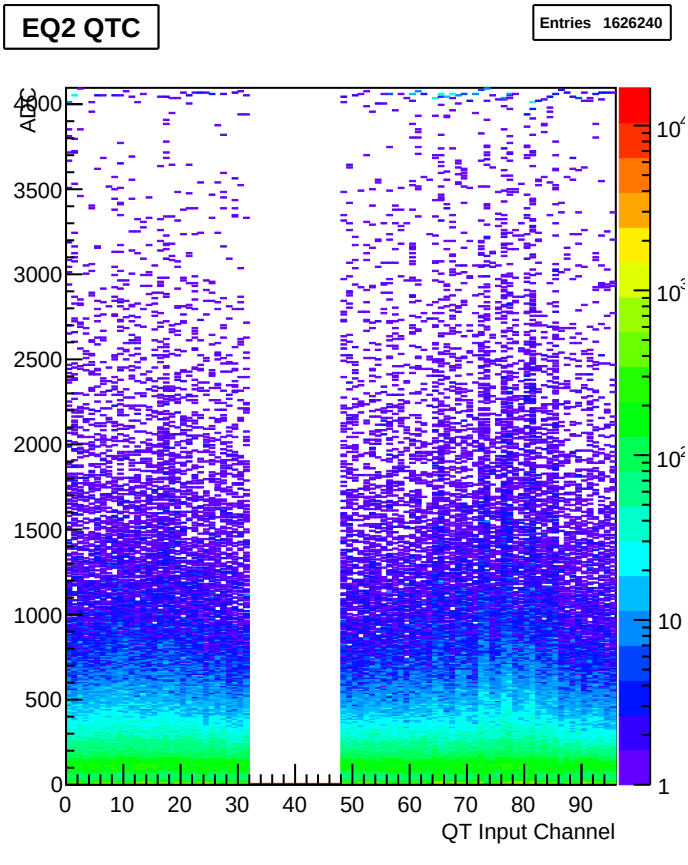

EQ1 QTB
Entries 1326956
TDC
QT Input Channel

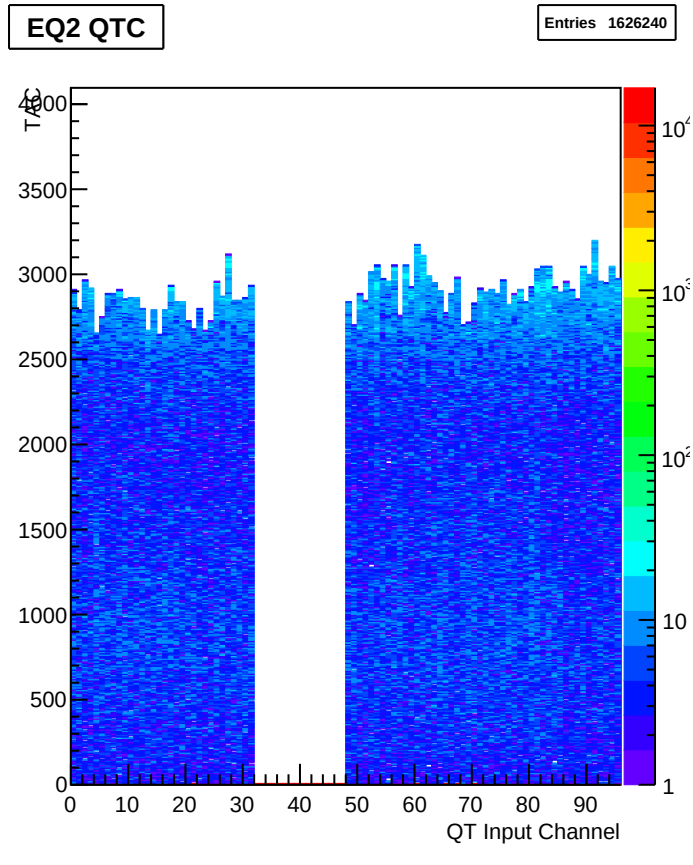

EQ1 QTC
Entries 1626240
ADC
QT Input Channel

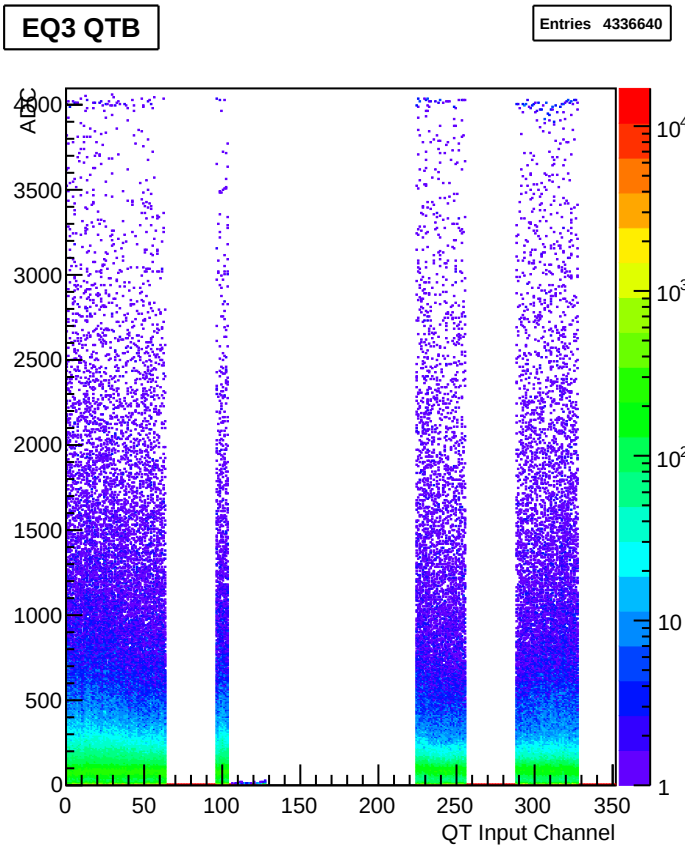

EQ1 QTC
Entries 1626240
TADC
QT Input Channel

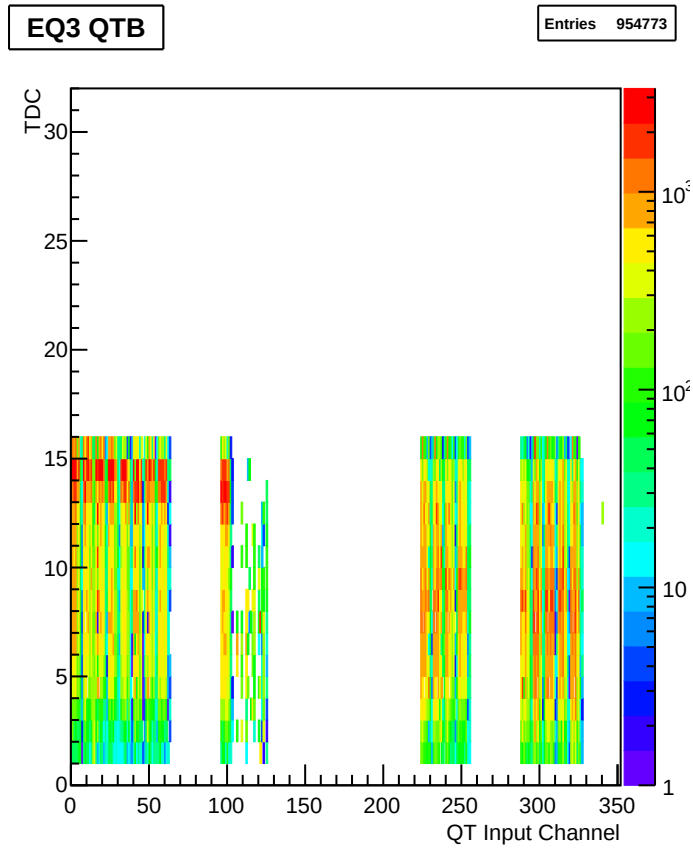

EQ2 QTB
Entries 4878720
ADC
QT Input Channel

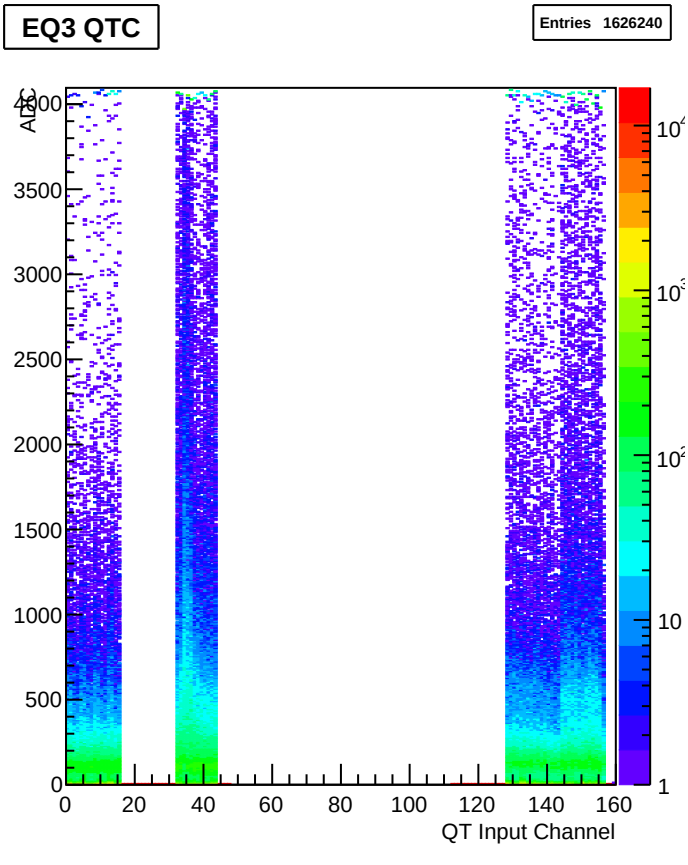

EQ2 QTB
Entries 1123098
TDC
QT Input Channel

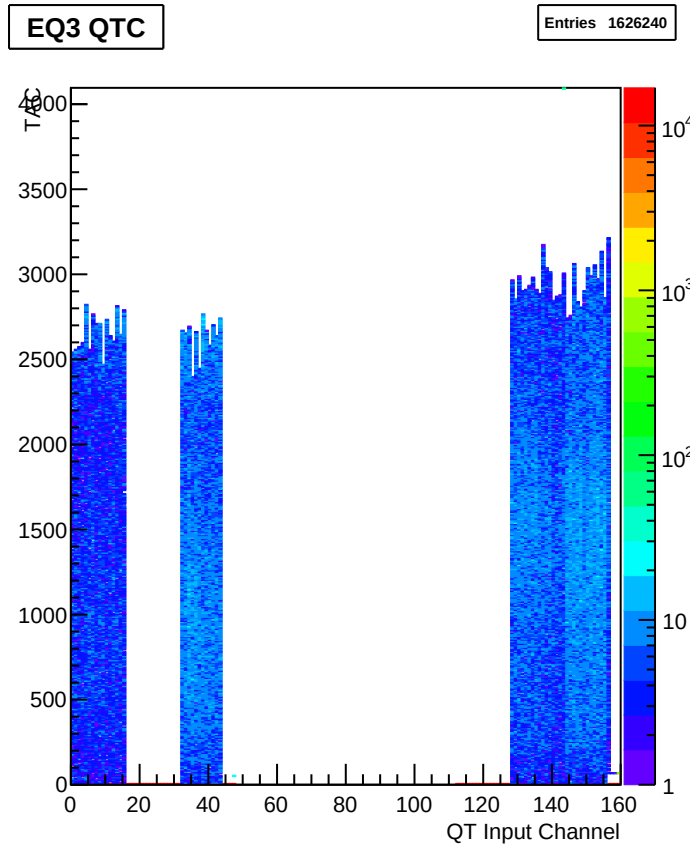

EQ2 QTC
Entries 1626240
ADC
QT Input Channel

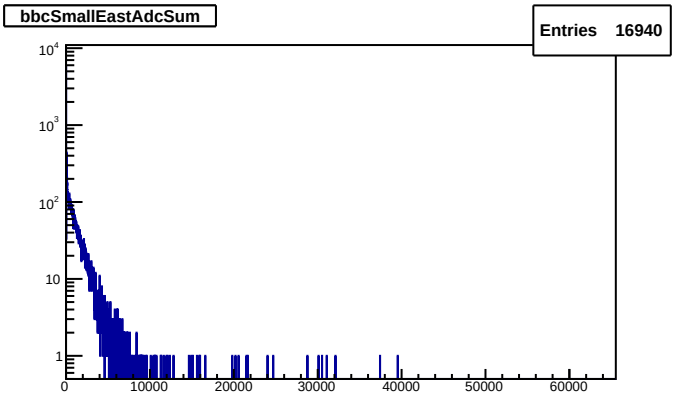

EQ2 QTC
Entries 1626240
TADC
QT Input Channel

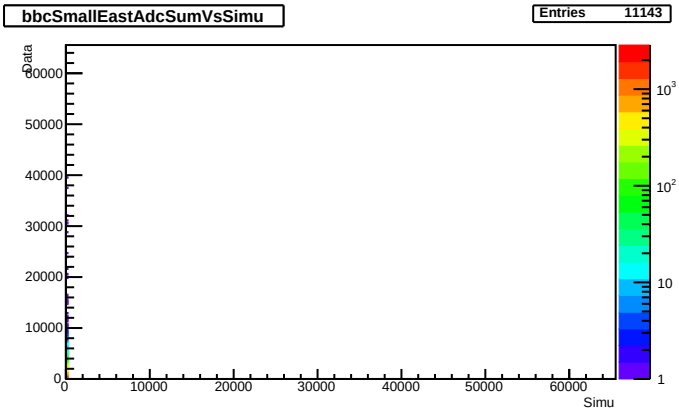

EQ3 QTB
Entries 4336640
ADC
QT Input Channel

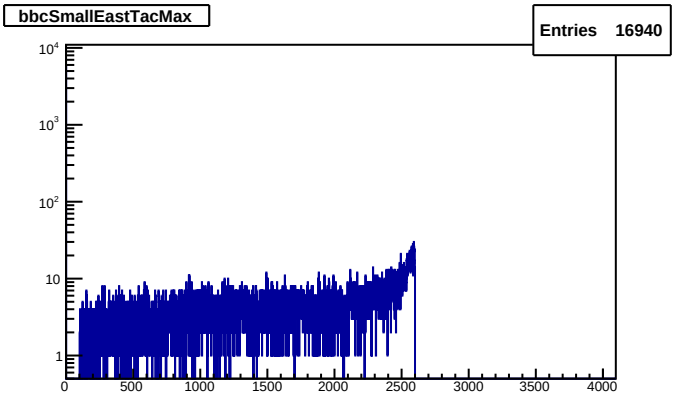

EQ3 QTB
Entries 954773
TDC
QT Input Channel

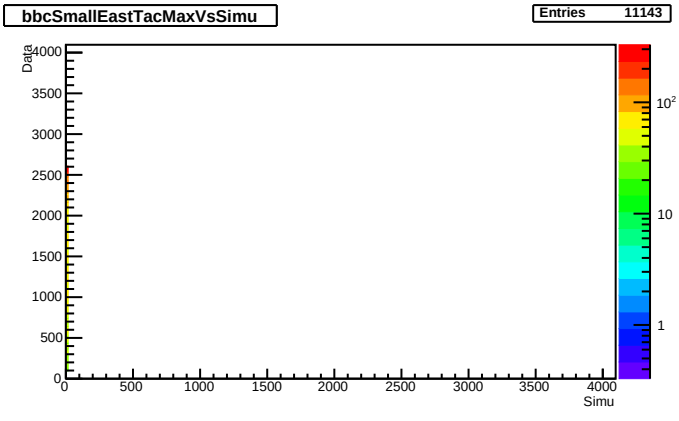

EQ3 QTC
Entries 1626240
ADC
QT Input Channel

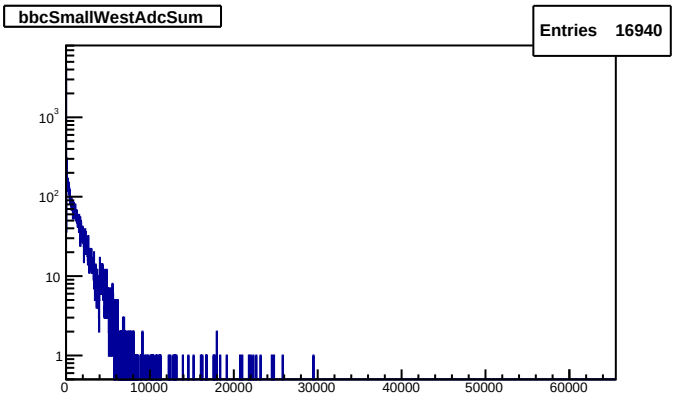

EQ3 QTC
Entries 1626240
TADC
QT Input Channel

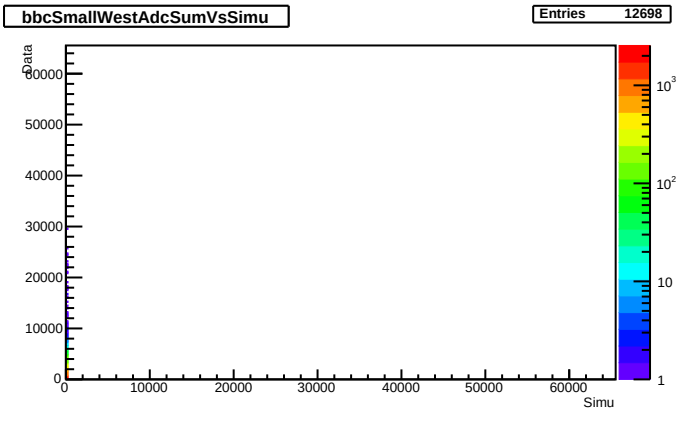

bbcSmallEastAdcSum
Entries 16940

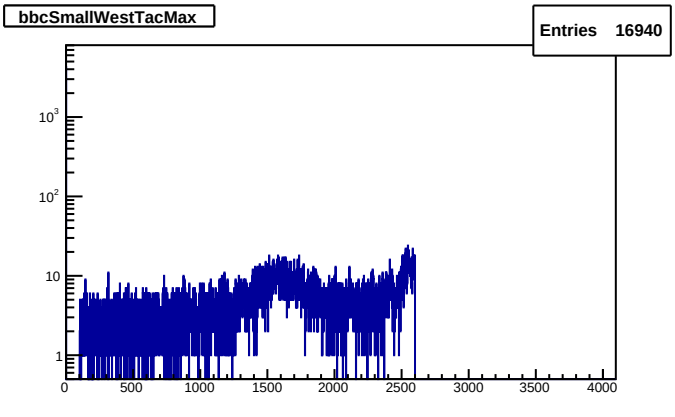

bbcSmallEastAdcSumVsSimu
Entries 11143
Data
Simu

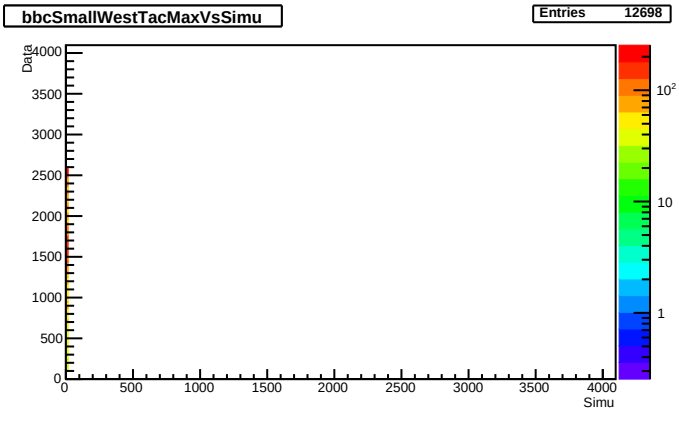

bbcSmallEastTacMax
Entries 16940

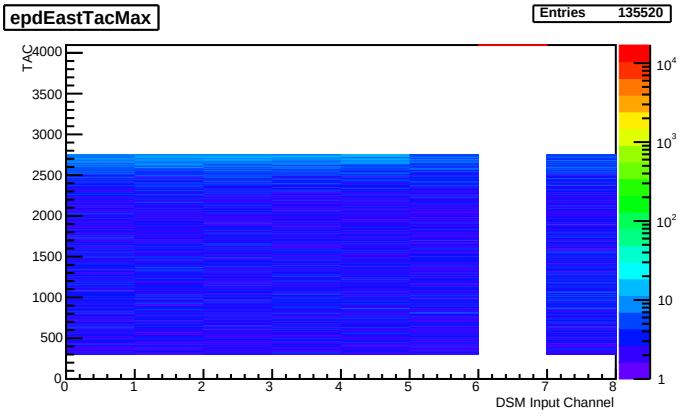

bbcSmallEastTacMaxVsSimu
Entries 11143
Data
Simu

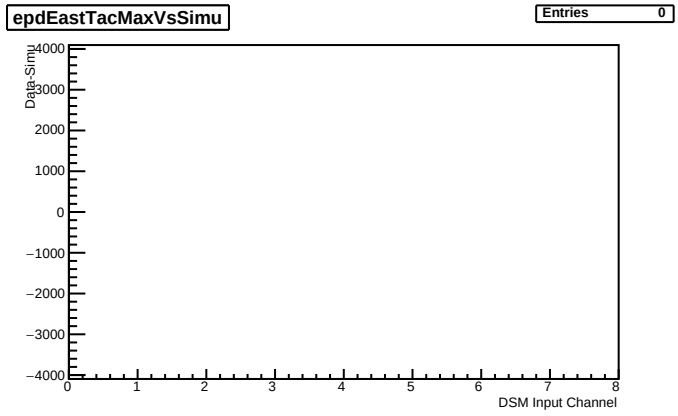

bbcSmallWestAdcSum
Entries 16940

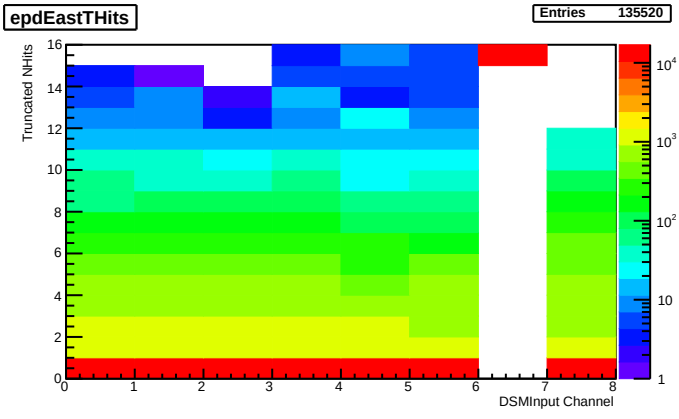

bbcSmallWestAdcSumVsSimu
Entries 12698
Data
Simu

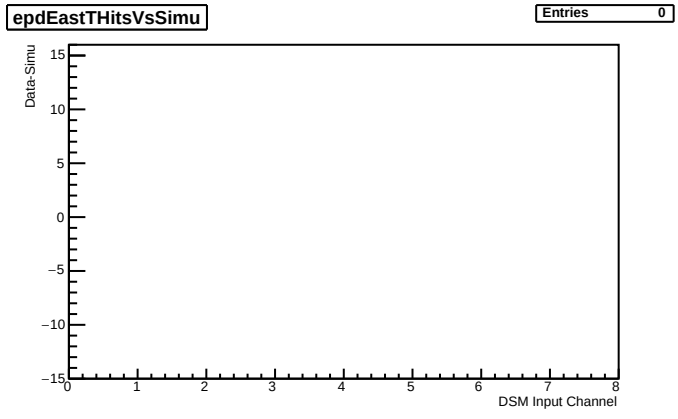

bbcSmallWestTacMax
Entries 16940

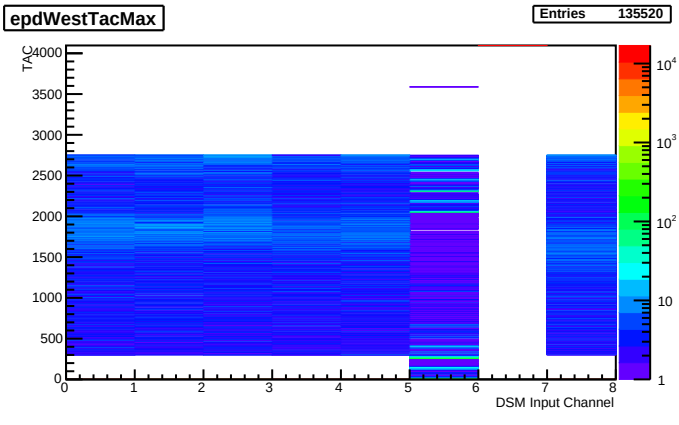

bbcSmallWestTacMaxVsSimu
Entries 12698
Data
Simu

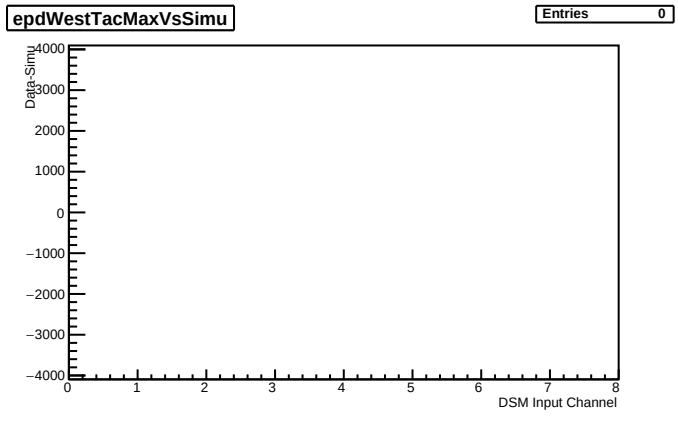

epdEastTacMax
Entries 135520
TAC
DSM Input Channel

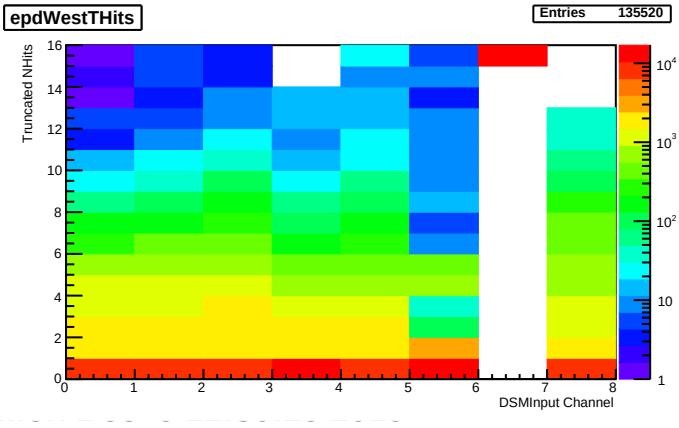

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

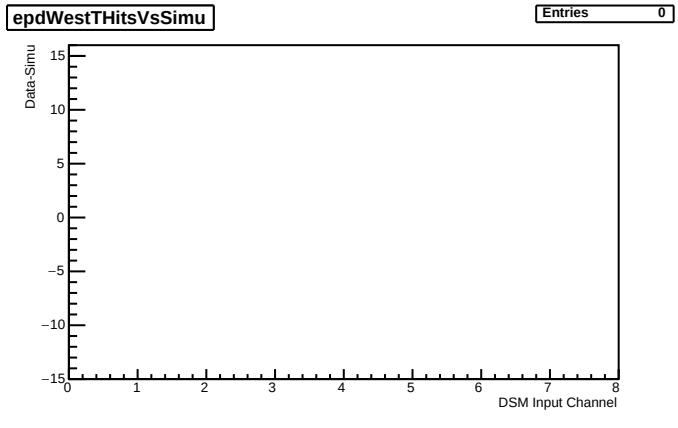

epdEastTHits
Entries 135520
Truncated NHits
DSMInput Channel

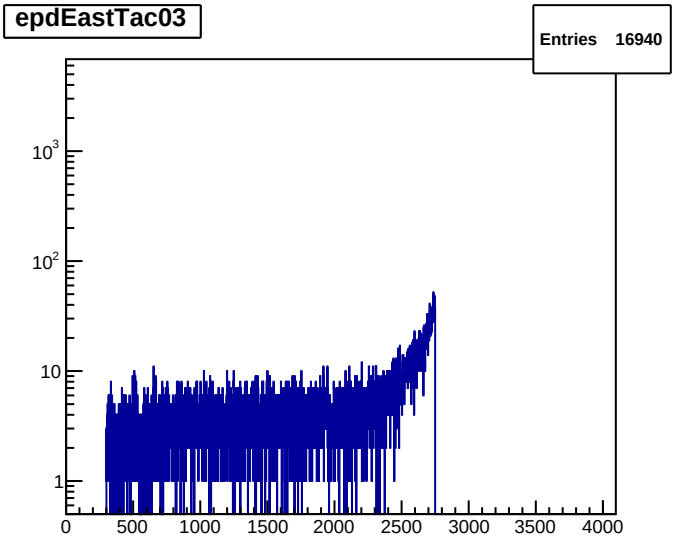

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

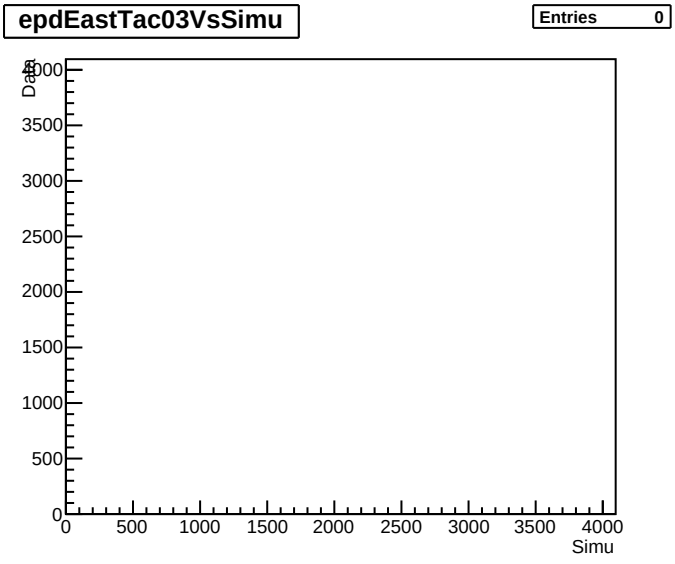

epdWestTacMax
Entries 135520
TAC
DSM Input Channel

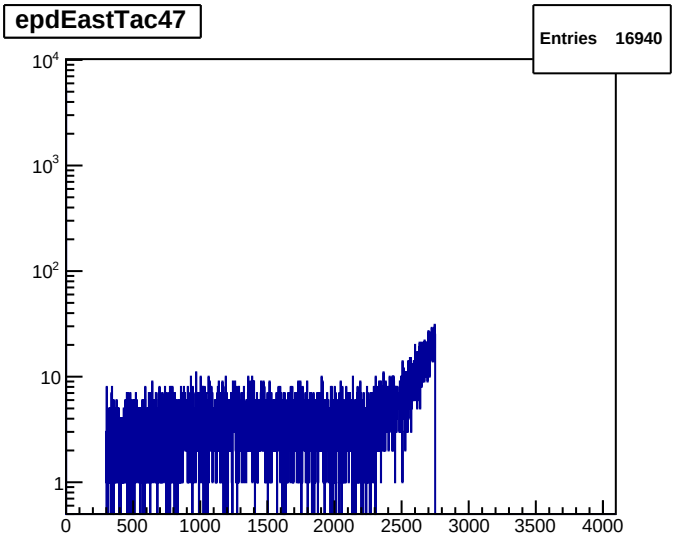

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

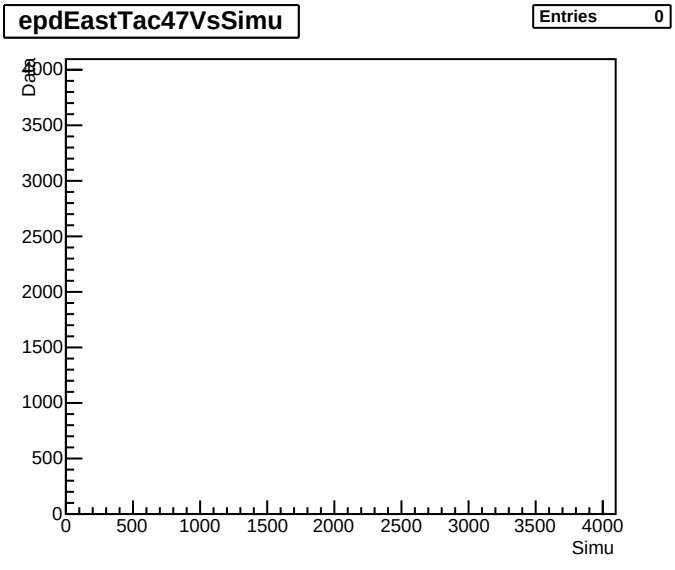

epdWestTHits
Entries 135520
Truncated NHits
DSMInput Channel

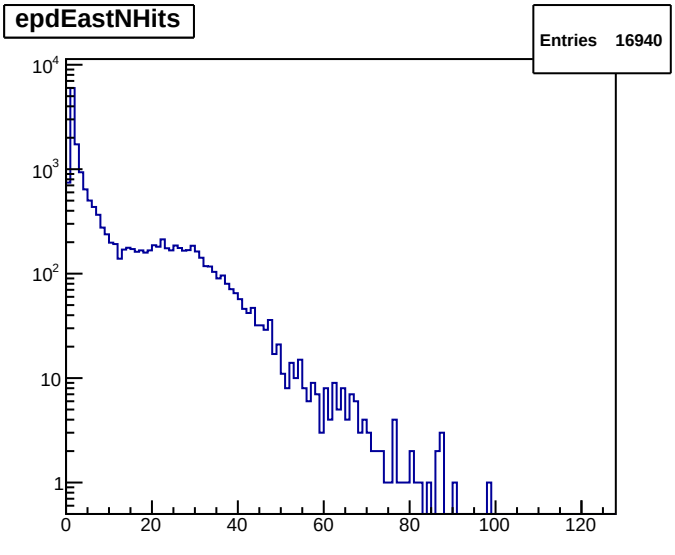

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

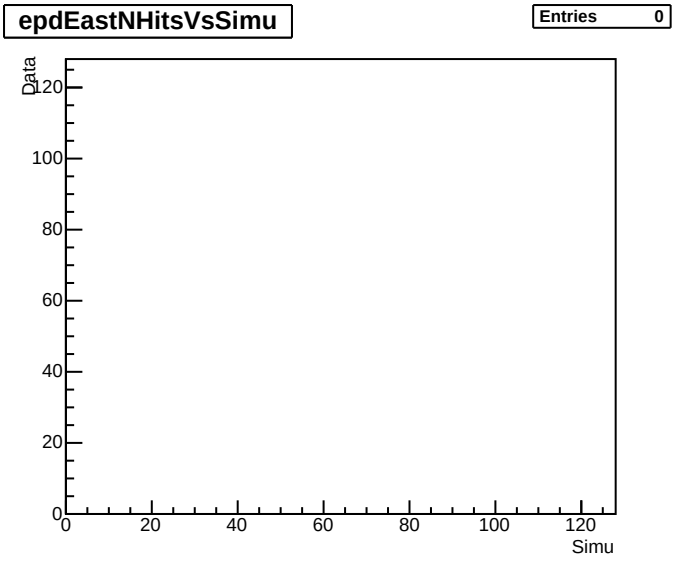

epdEastTac03
Entries 16940

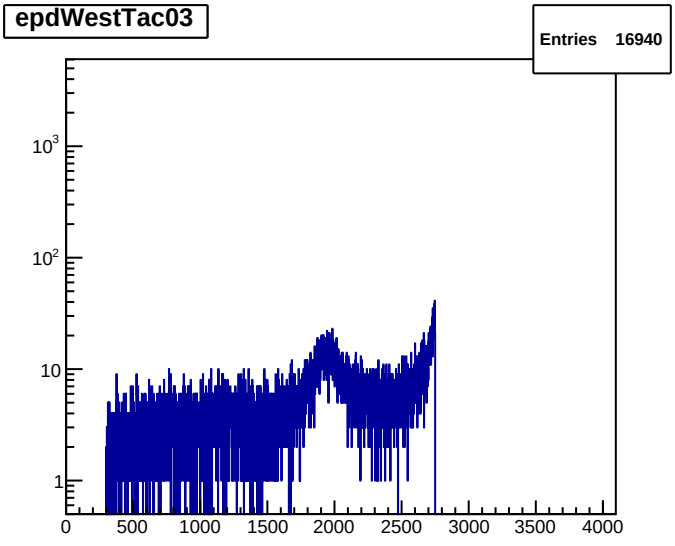

epdEastTac03VsSimu
Entries 0
Data
Simu

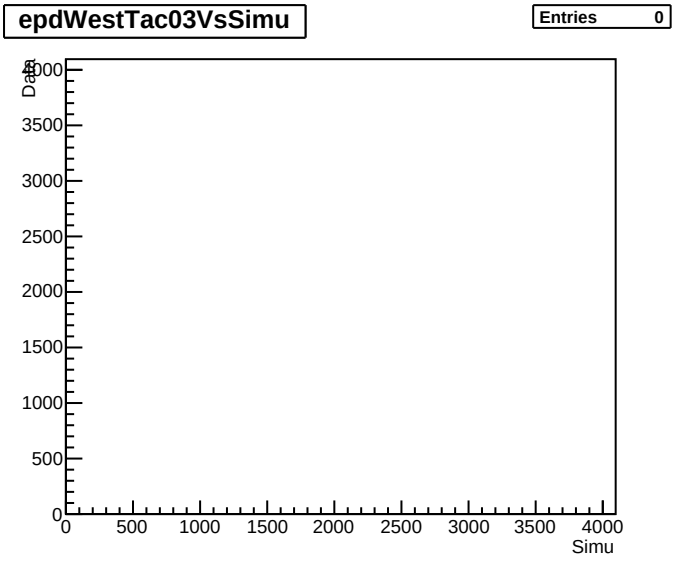

epdEastTac47
Entries 16940

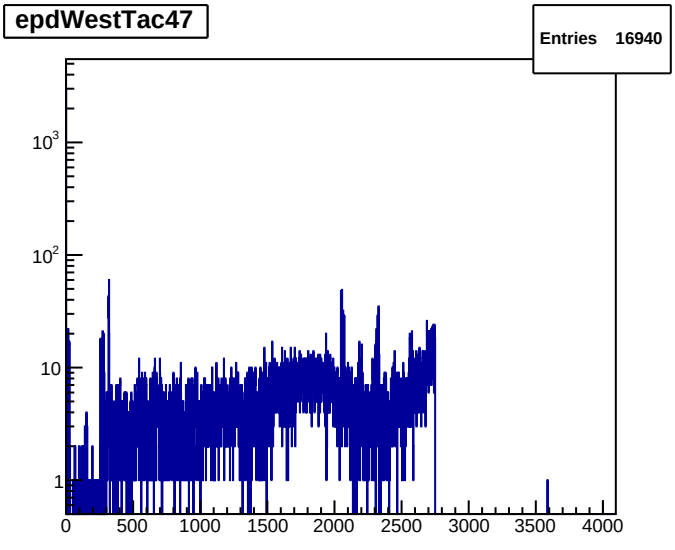

epdEastTac47VsSimu
Entries 0
Data
Simu

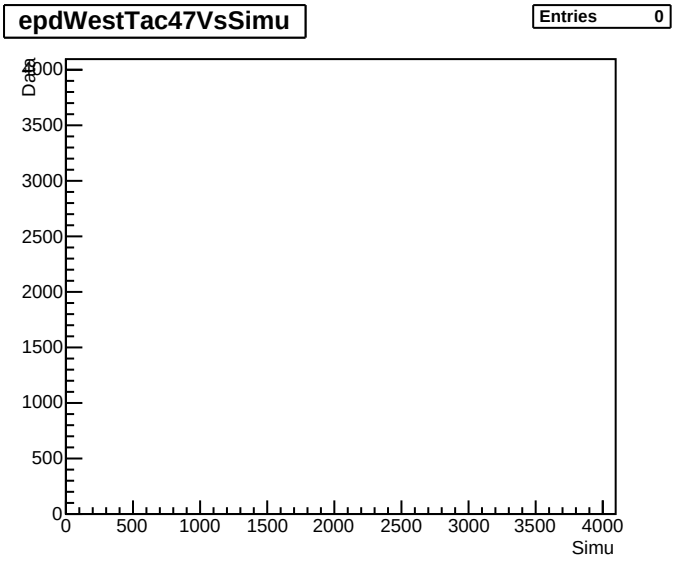

epdEastNHits
Entries 16940

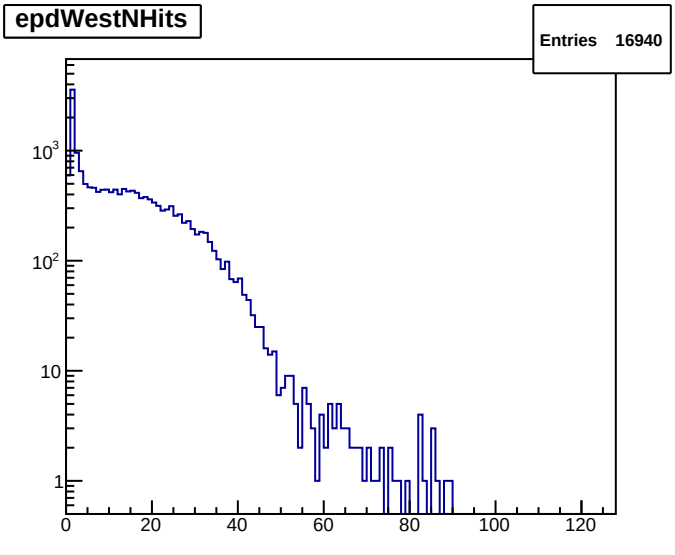

epdEastNHitsVsSimu
Entries 0
Data
Simu

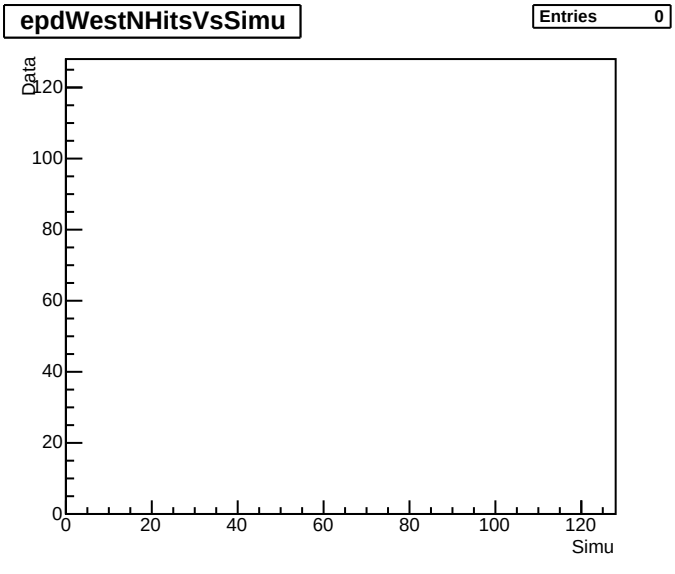

epdWestTac03
Entries 16940

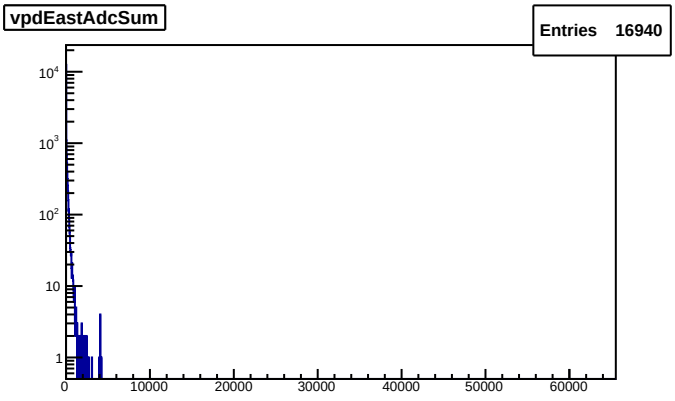

epdWestTac03VsSimu
Entries 0
Data
Simu

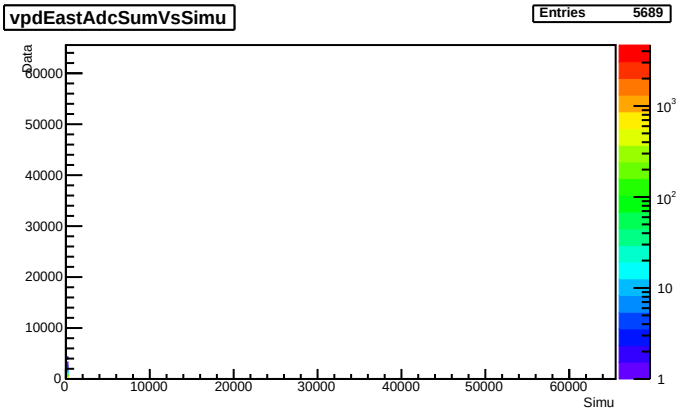

epdWestTac47
Entries 16940

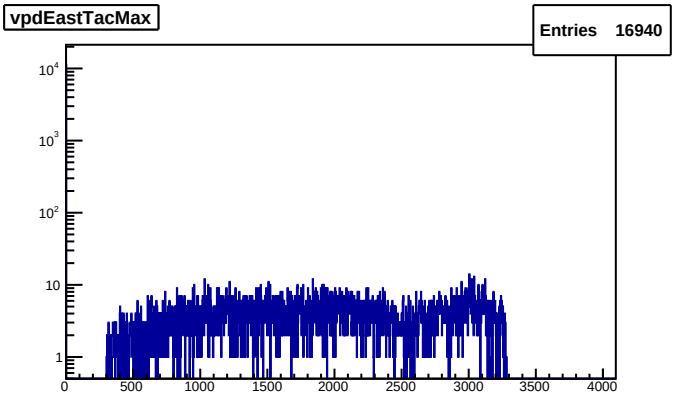

epdWestTac47VsSimu
Entries 0
Data
Simu

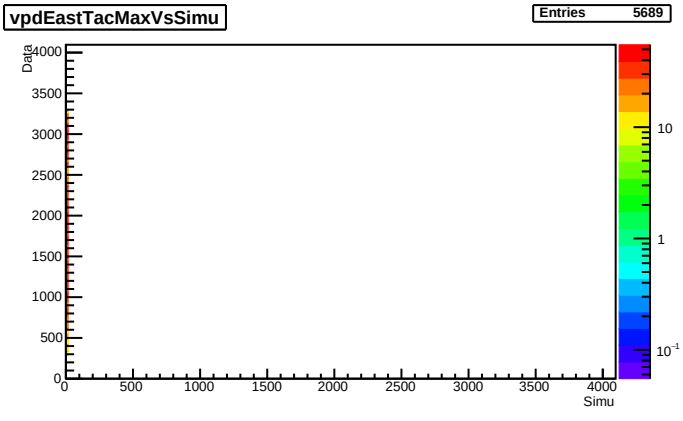

epdWestNHits
Entries 16940

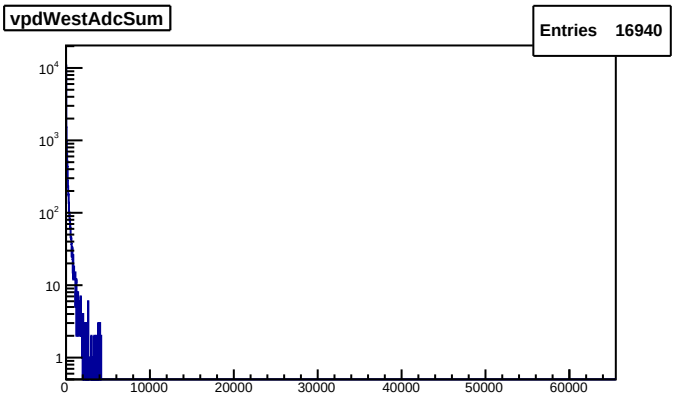

epdWestNHitsVsSimu
Entries 0
Data
Simu

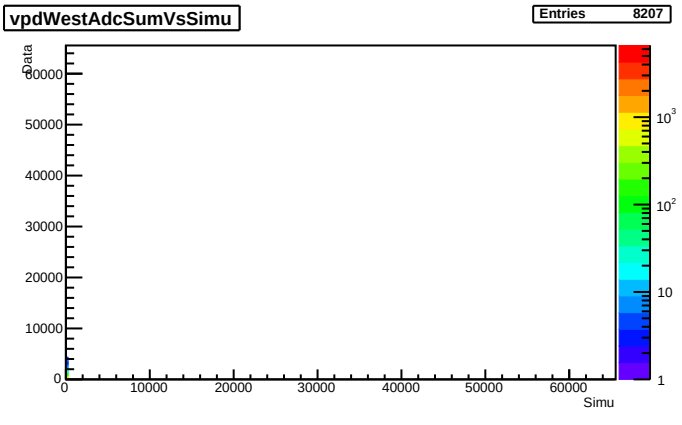

vpdEastAdcSum
Entries 16940

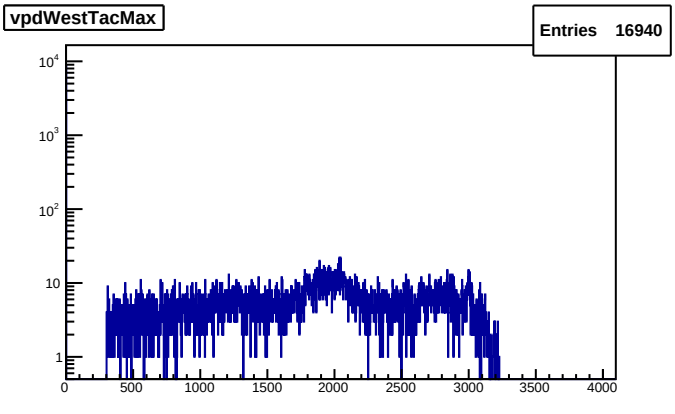

vpdEastAdcSumVsSimu
Entries 5689
Data
Simu

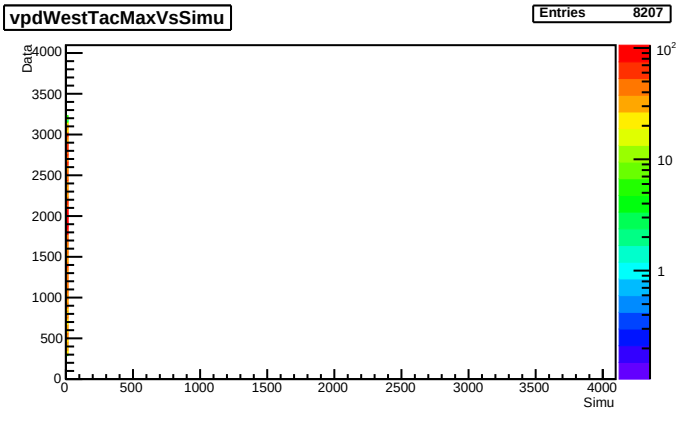

vpdEastTacMax
Entries 16940

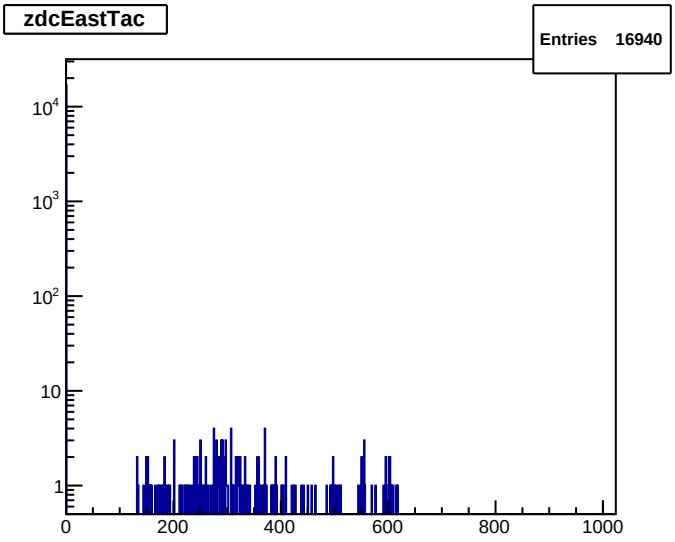

vpdEastTacMaxVsSimu
Entries 5689
Data
Simu

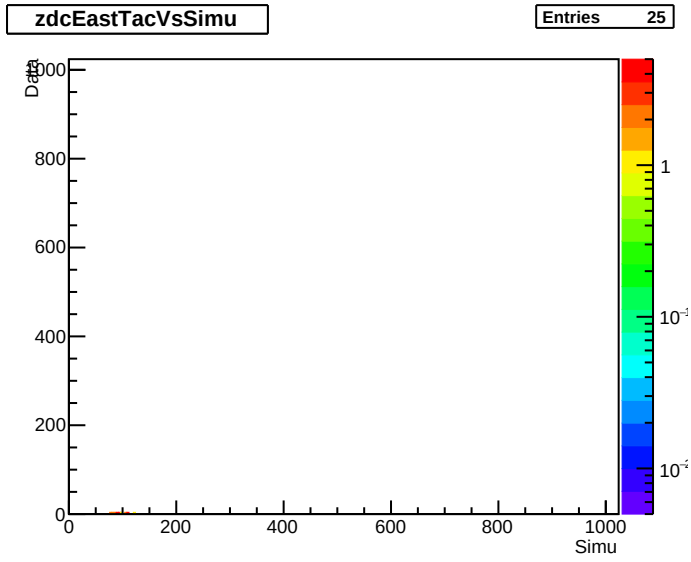

vpdWestAdcSum
Entries 16940

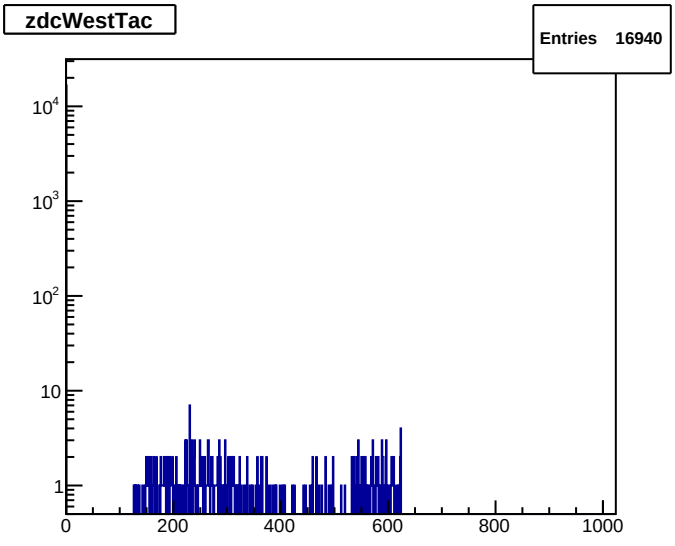

vpdWestAdcSumVsSimu
Entries 8207
Data
Simu

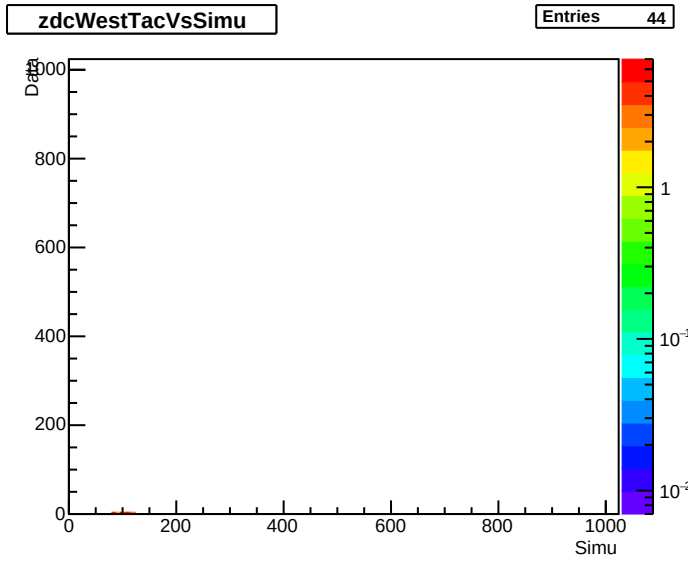

vpdWestTacMax
Entries 16940

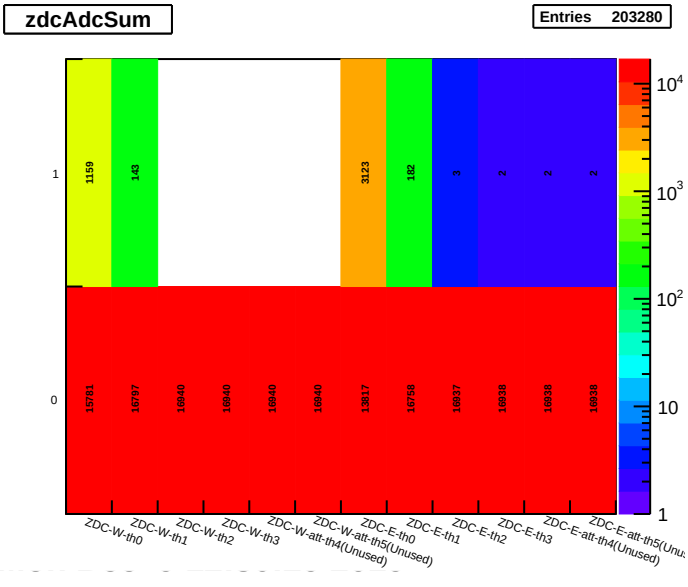

vpdWestTacMaxVsSimu
Entries 8207
Data
Simu

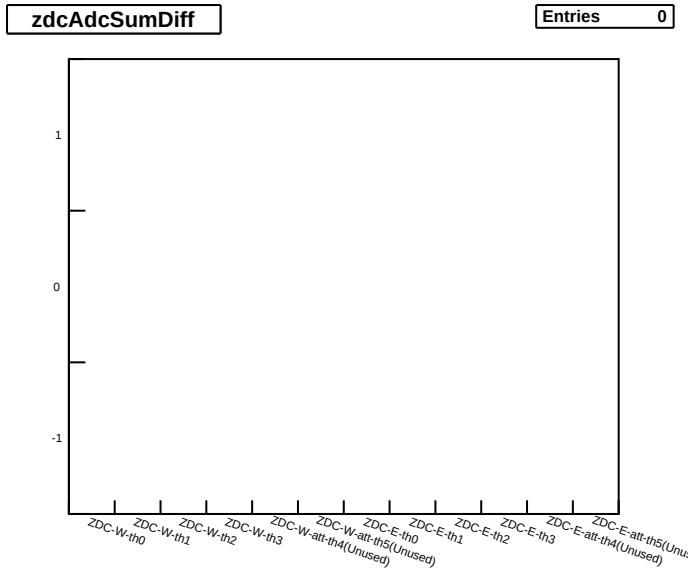

zdcEastTac
Entries 16940

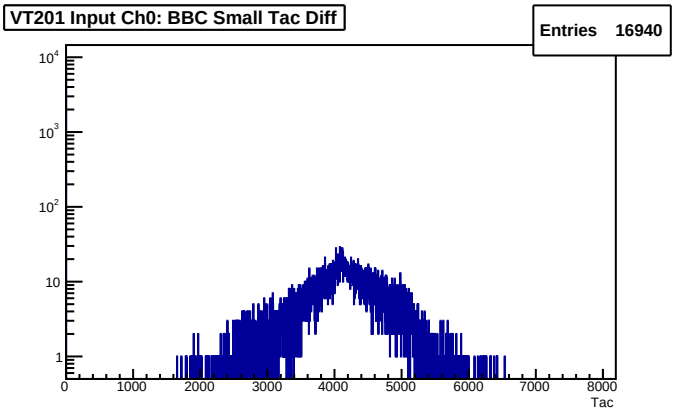

zdcEastTacVsSimu
Entries 25
Data
Simu

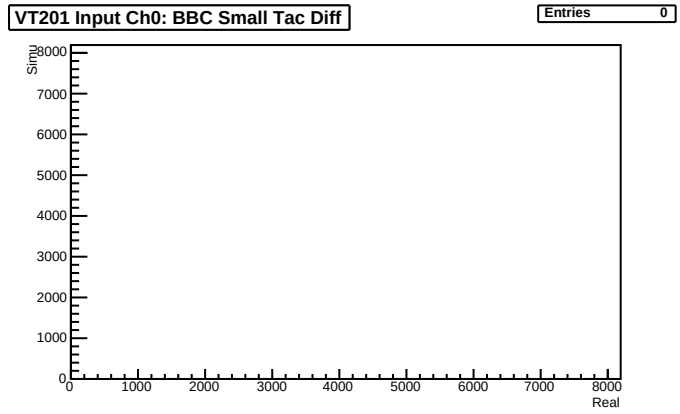

zdcWestTac
Entries 16940

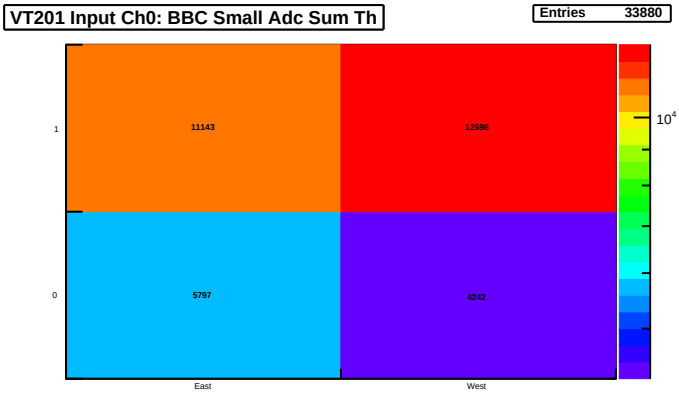

zdcWestTacVsSimu
Entries 44
Data
Simu

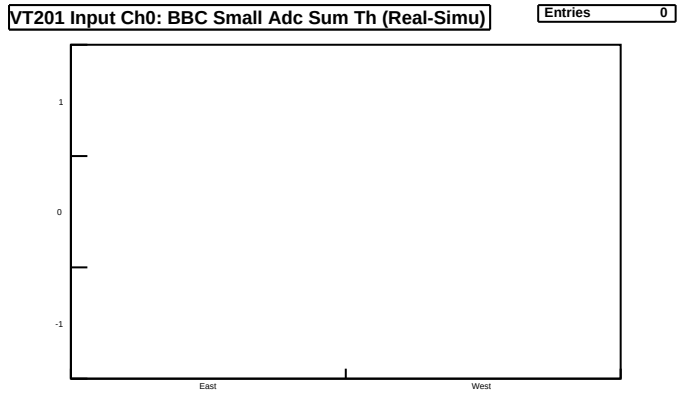

zdcAdcSum
Entries 203280
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

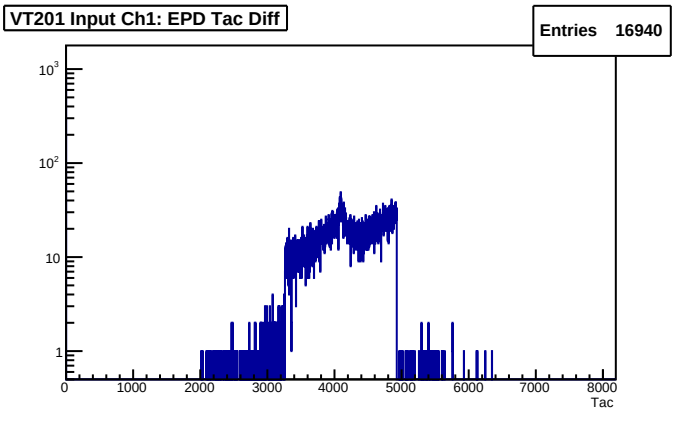

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

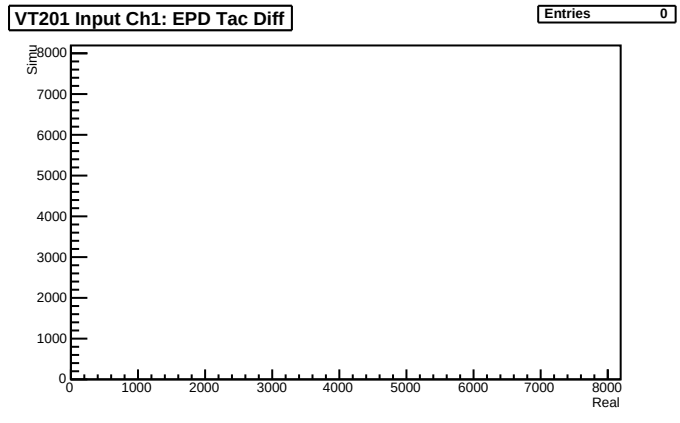

VT201 Input Ch0: BBC Small Tac Diff
Entries 16940
Tac

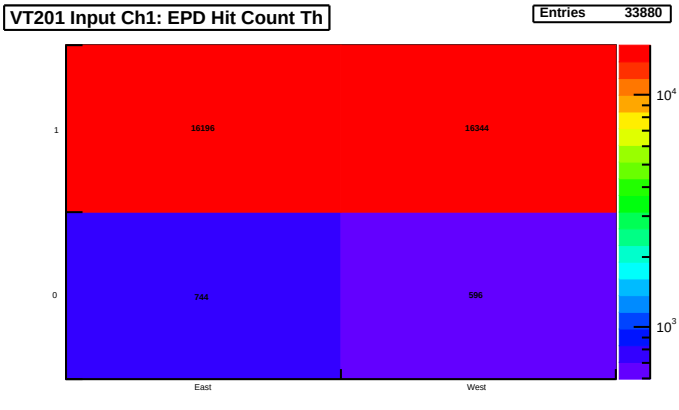

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

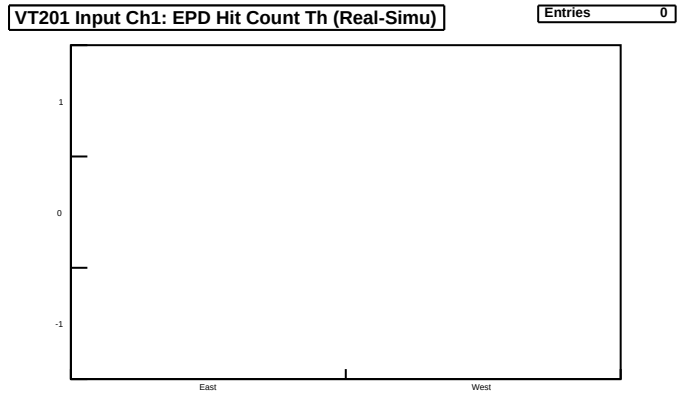

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 33880
11143
12698
5797
4242
East
West

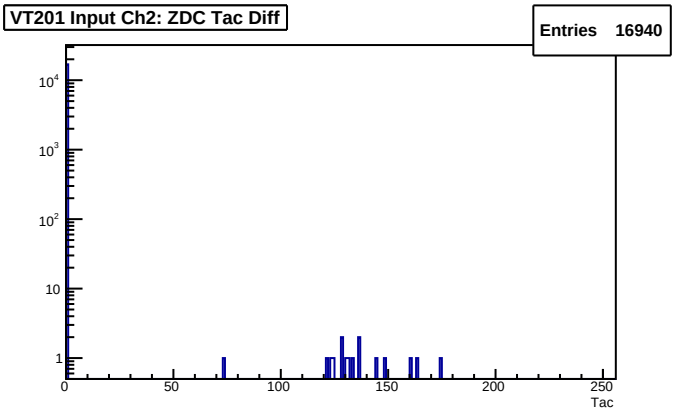

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

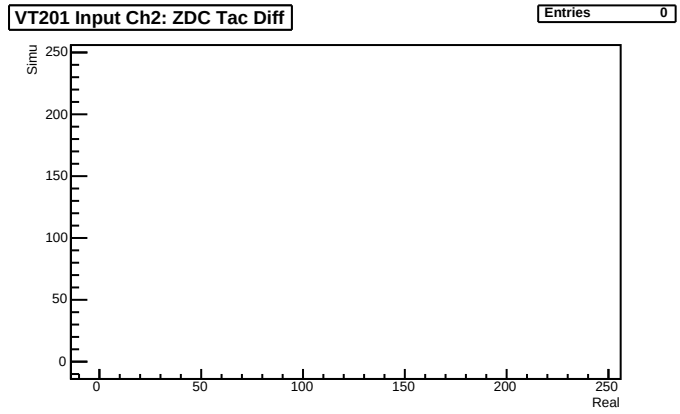

VT201 Input Ch1: EPD Tac Diff
Entries 16940
Tac

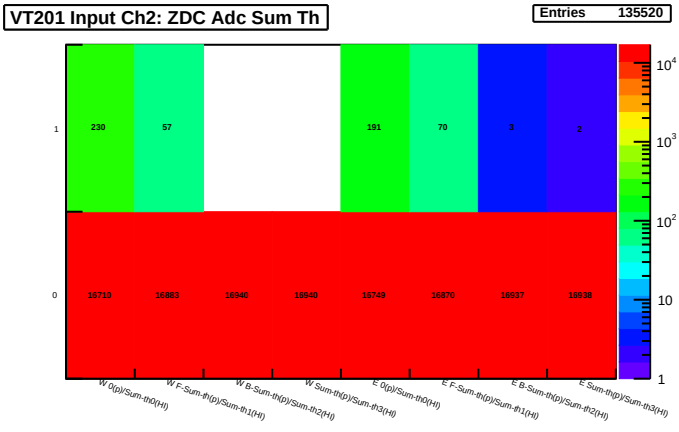

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

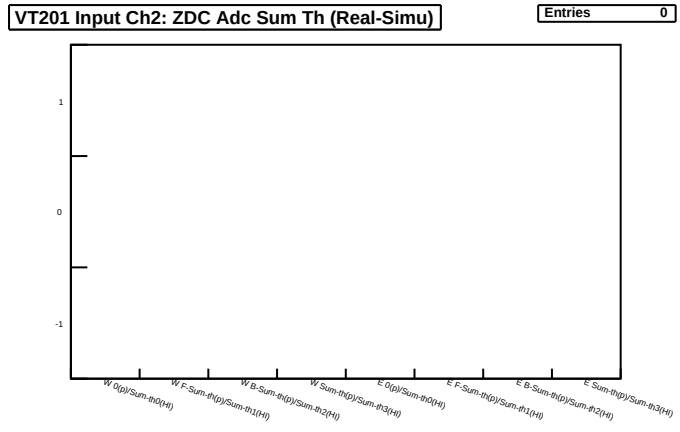

VT201 Input Ch1: EPD Hit Count Th
Entries 33880
16196
16344
744
596
East
West

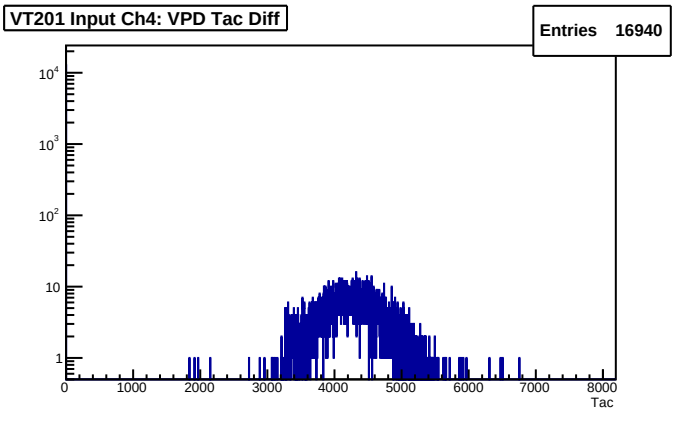

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

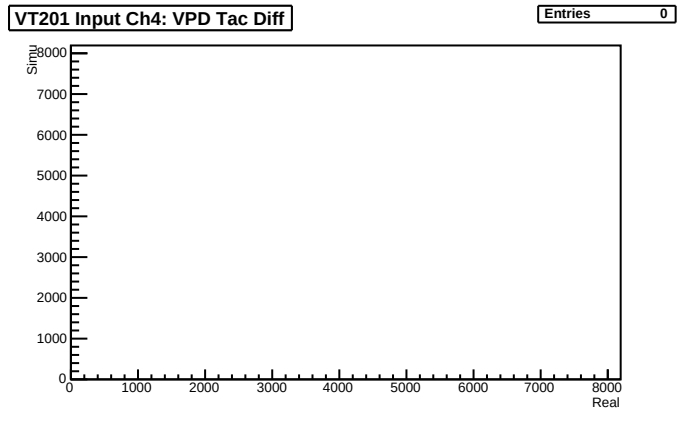

VT201 Input Ch2: ZDC Tac Diff
Entries 16940
Tac

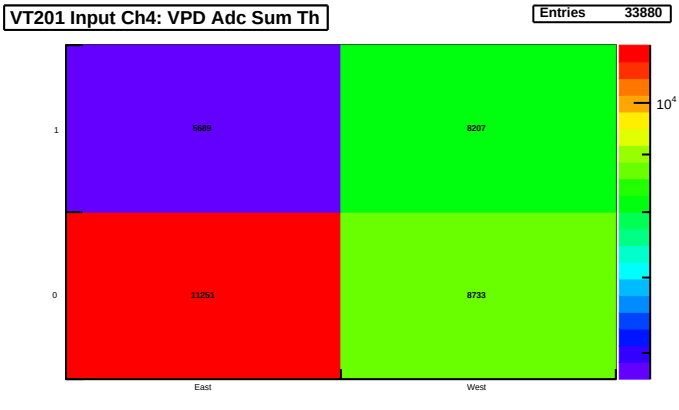

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

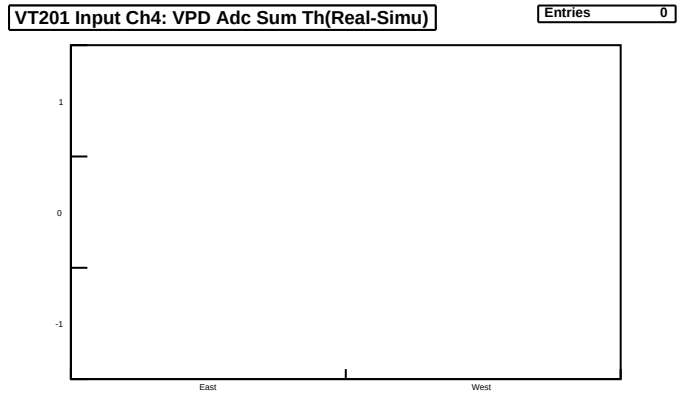

VT201 Input Ch2: ZDC Adc Sum Th
Entries 135520
230
57
191
70
3
2
16710
16883
16940
16940
16749
16870
16937
16938
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

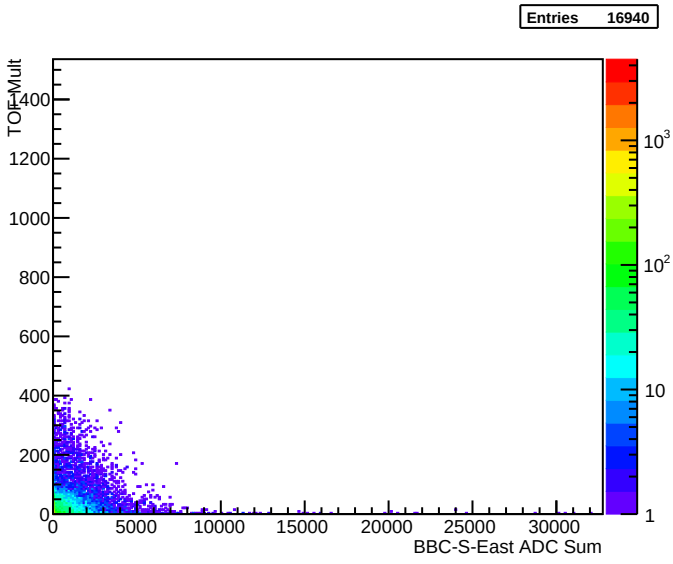

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

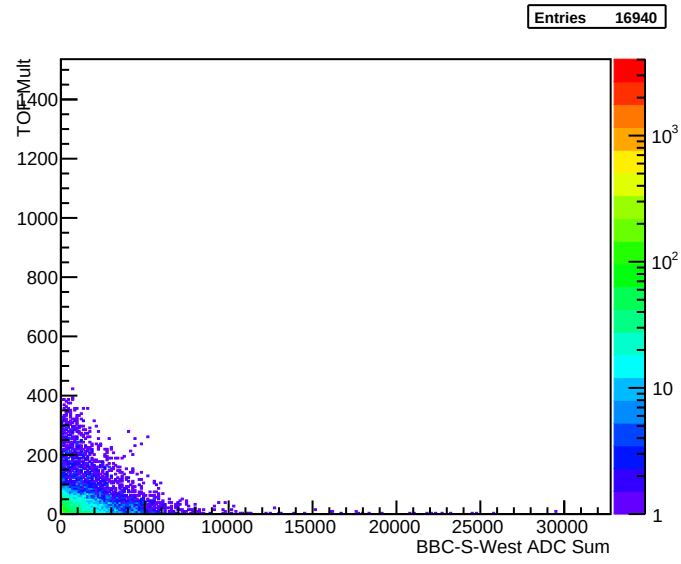

VT201 Input Ch4: VPD Tac Diff
Entries 16940
Tac

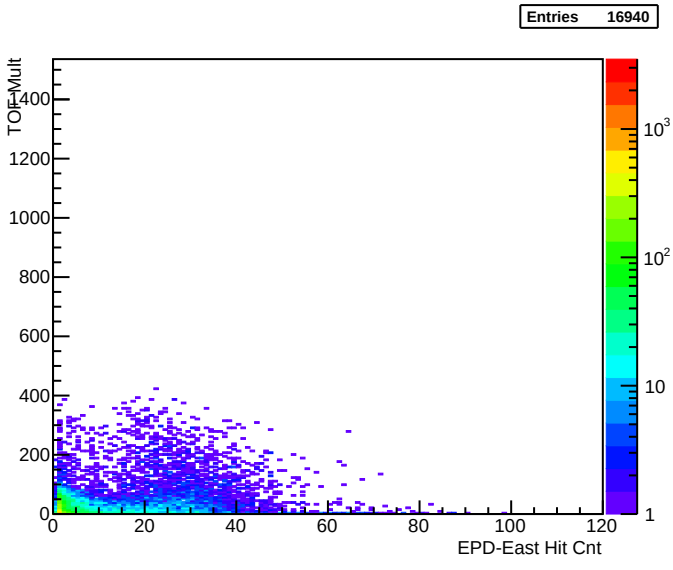

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

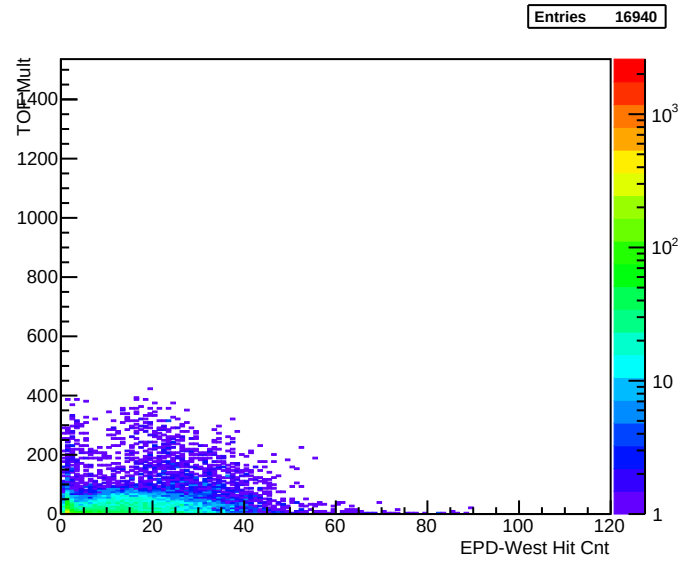

VT201 Input Ch4: VPD Adc Sum Th
Entries 33880
5689
8207
11251
8733
East
West

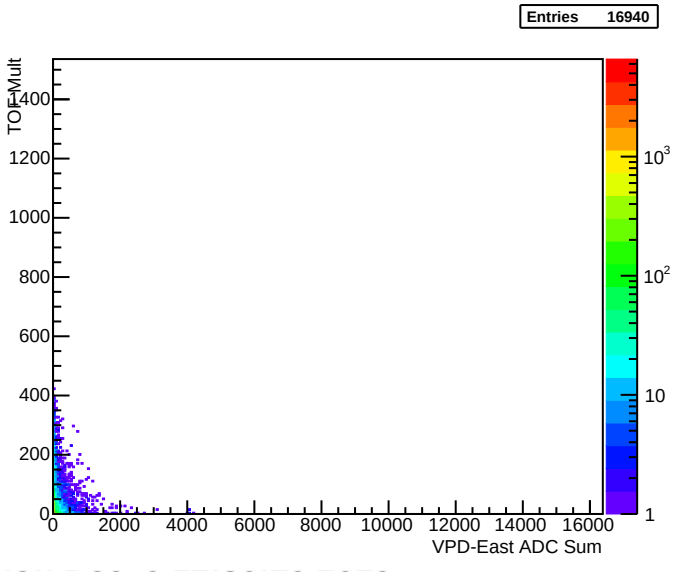

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

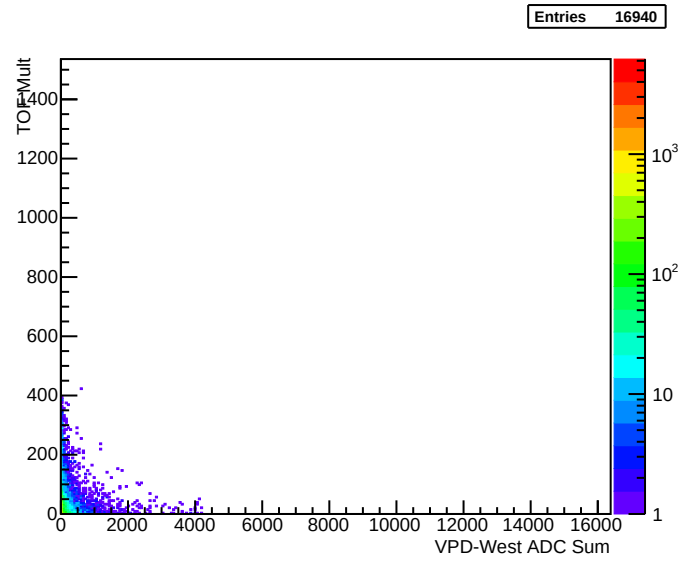

Entries 16940
TOF-Mult
BBC-S-East ADC Sum

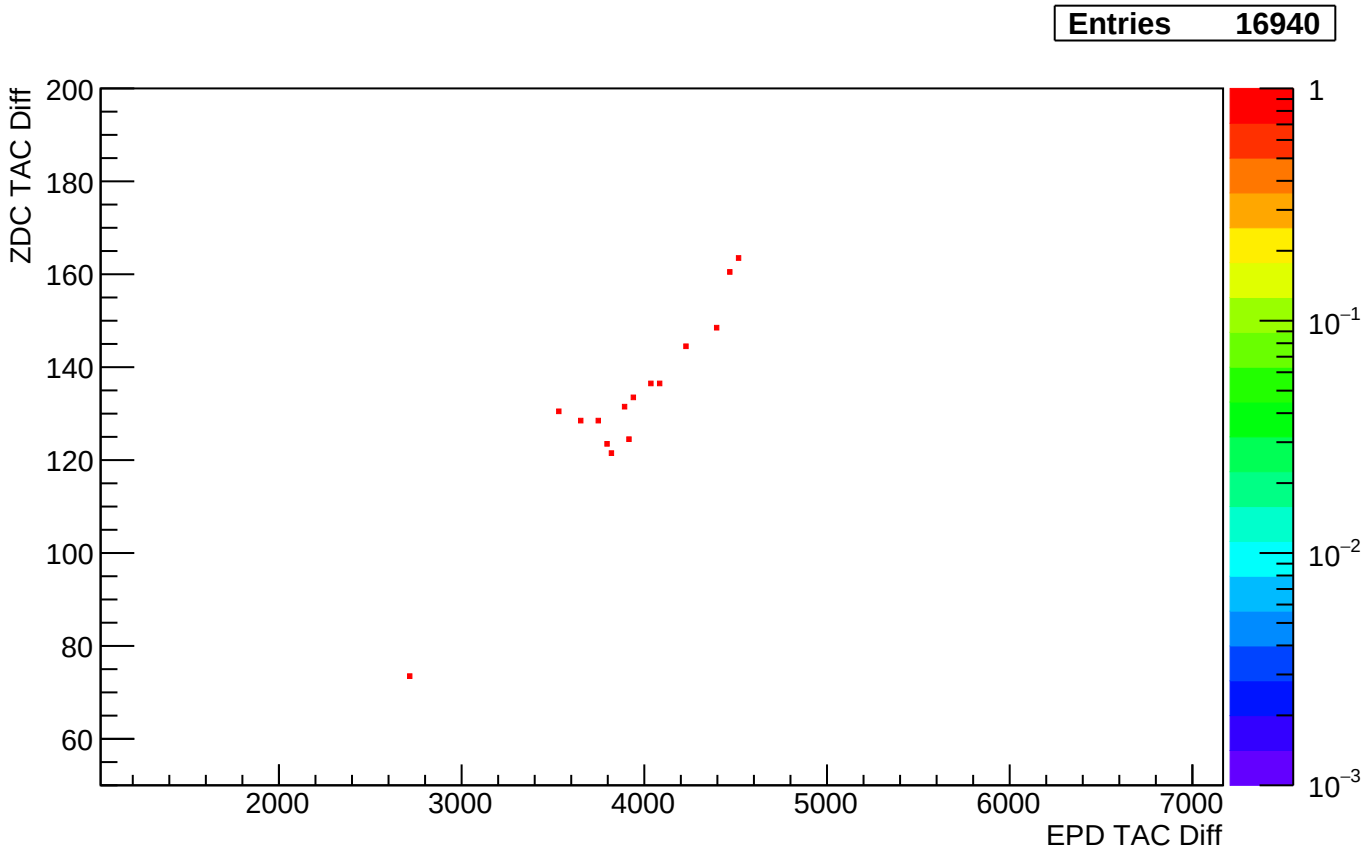

Entries 16940
TOF-Mult
BBC-S-West ADC Sum

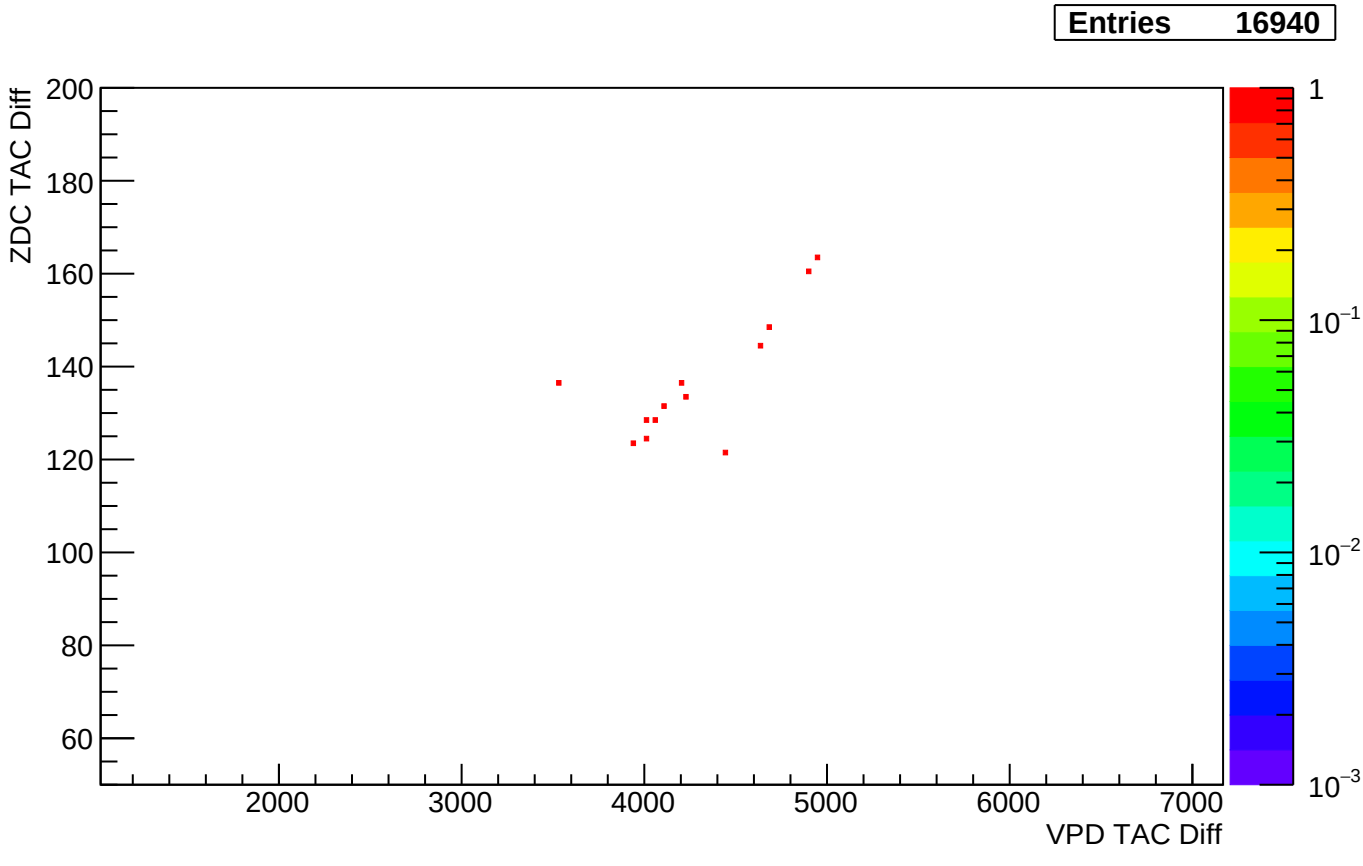

Entries 16940
TOF-Mult
EPD-East Hit Cnt

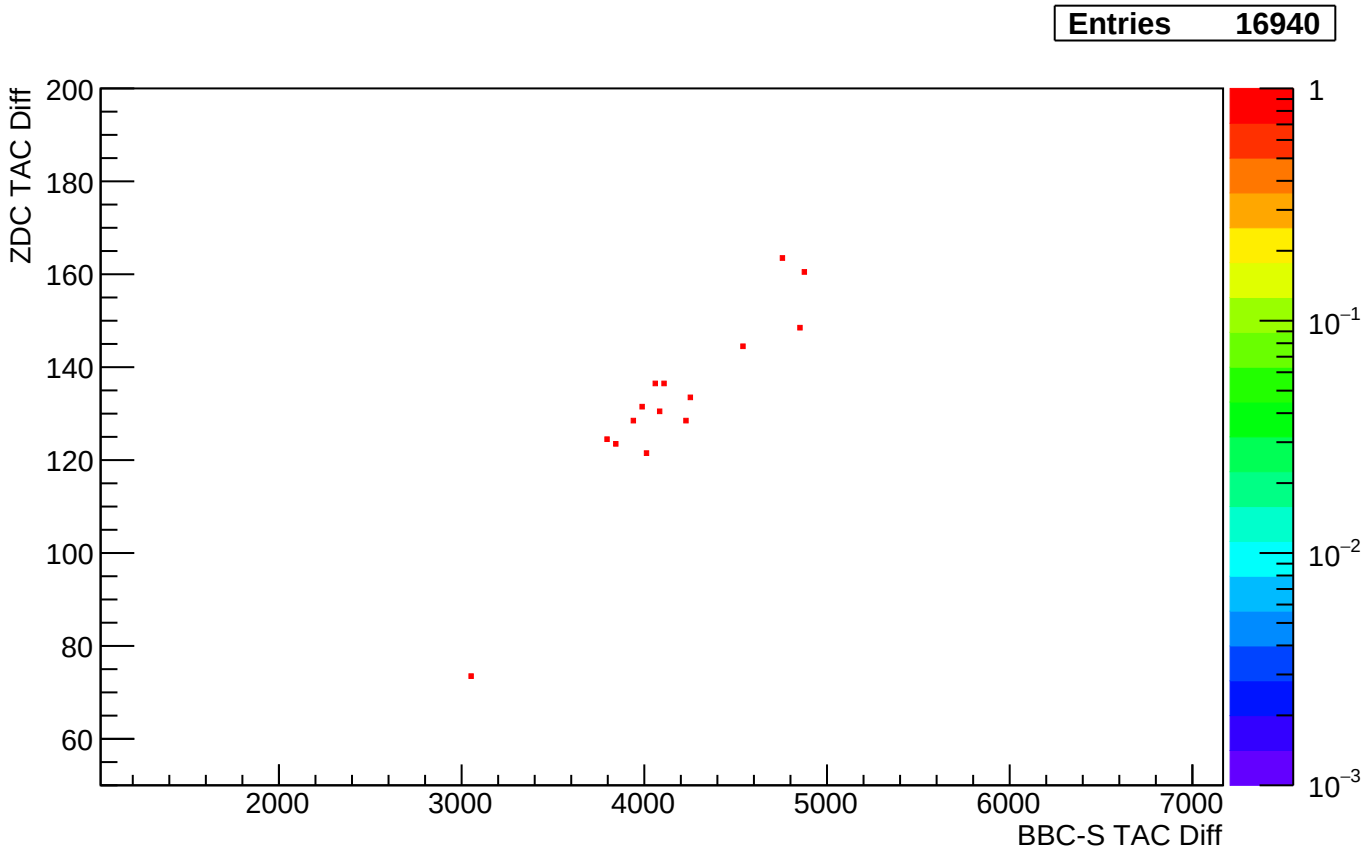

Entries 16940
TOF-Mult
EPD-West Hit Cnt

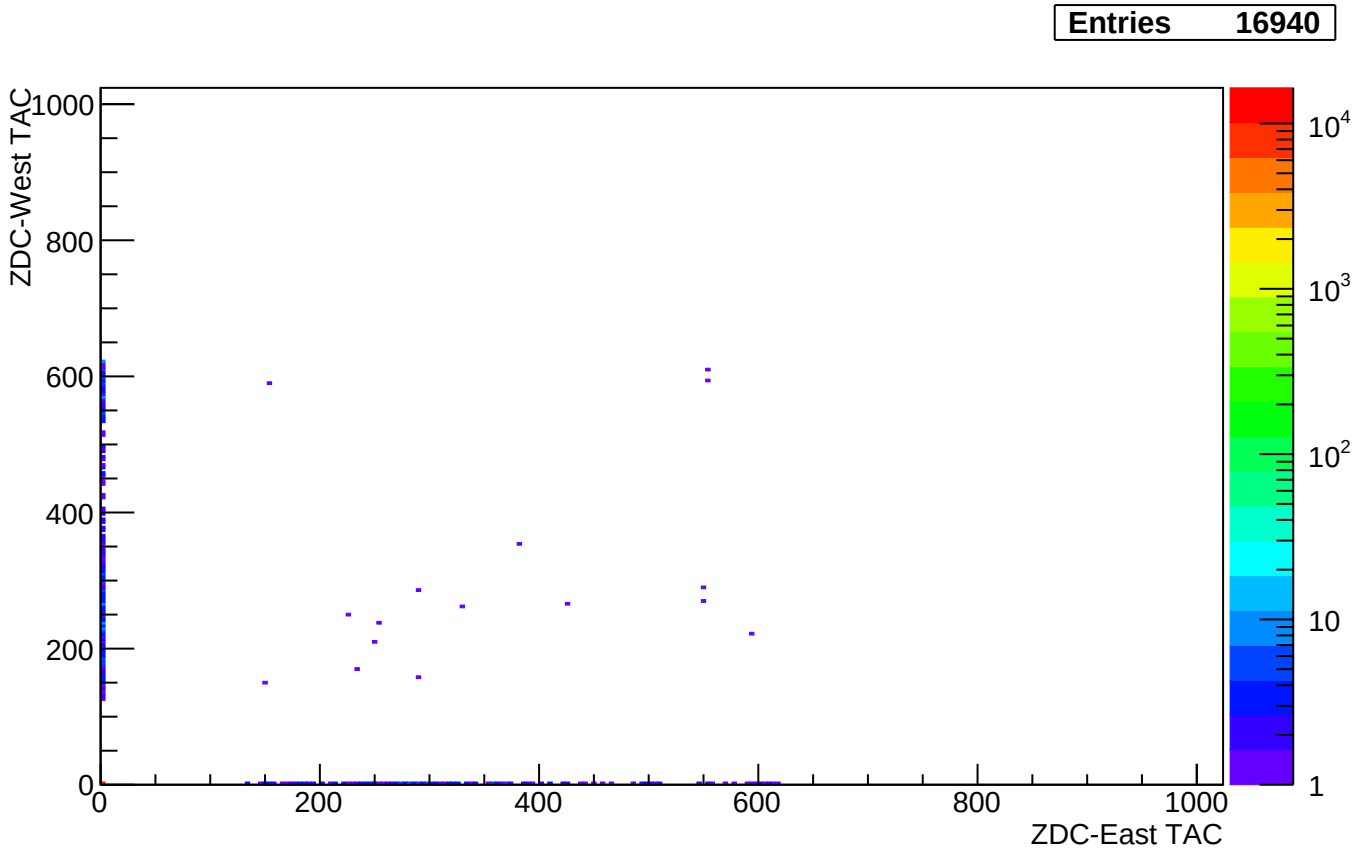

Entries 16940
TOF-Mult
VPD-East ADC Sum

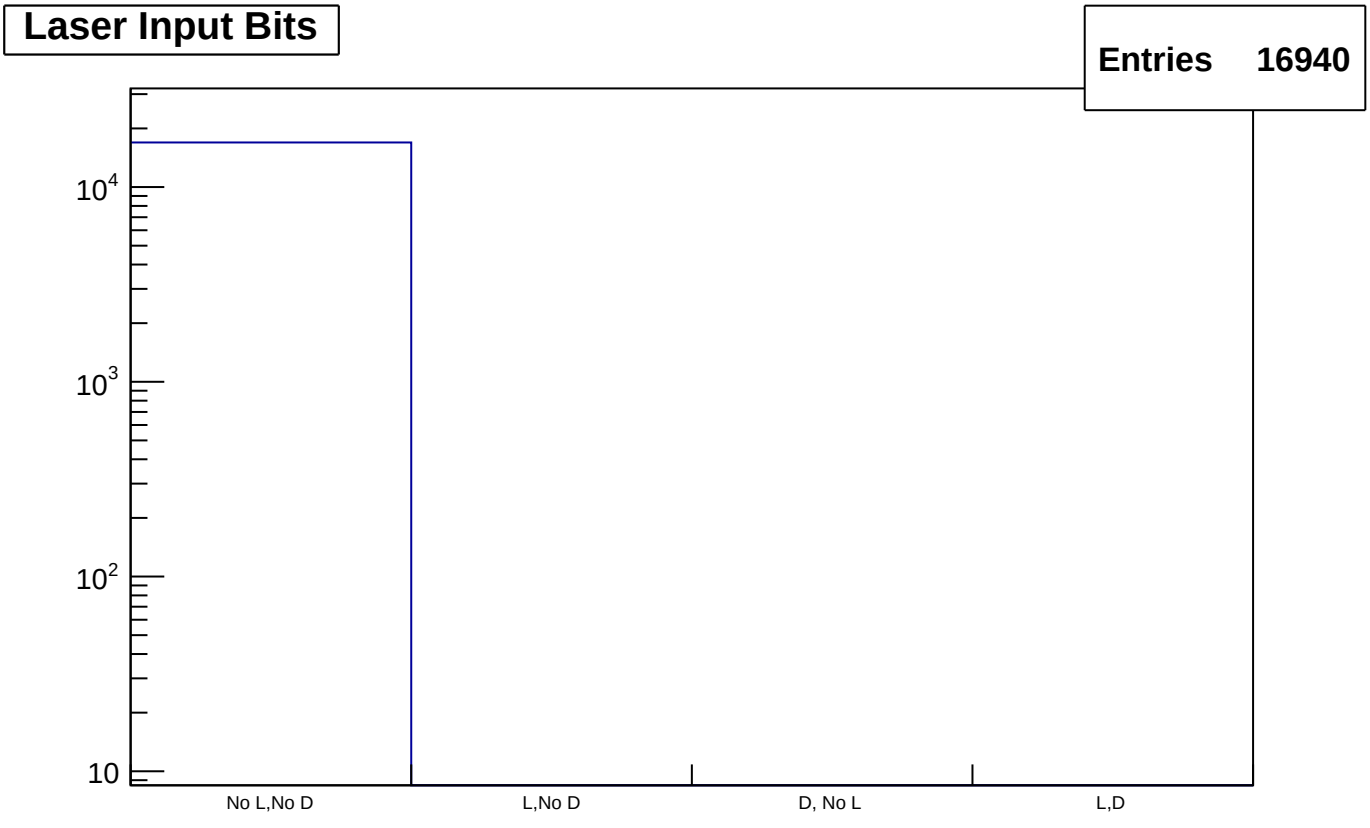

Entries 16940
TOF-Mult
VPD-West ADC Sum

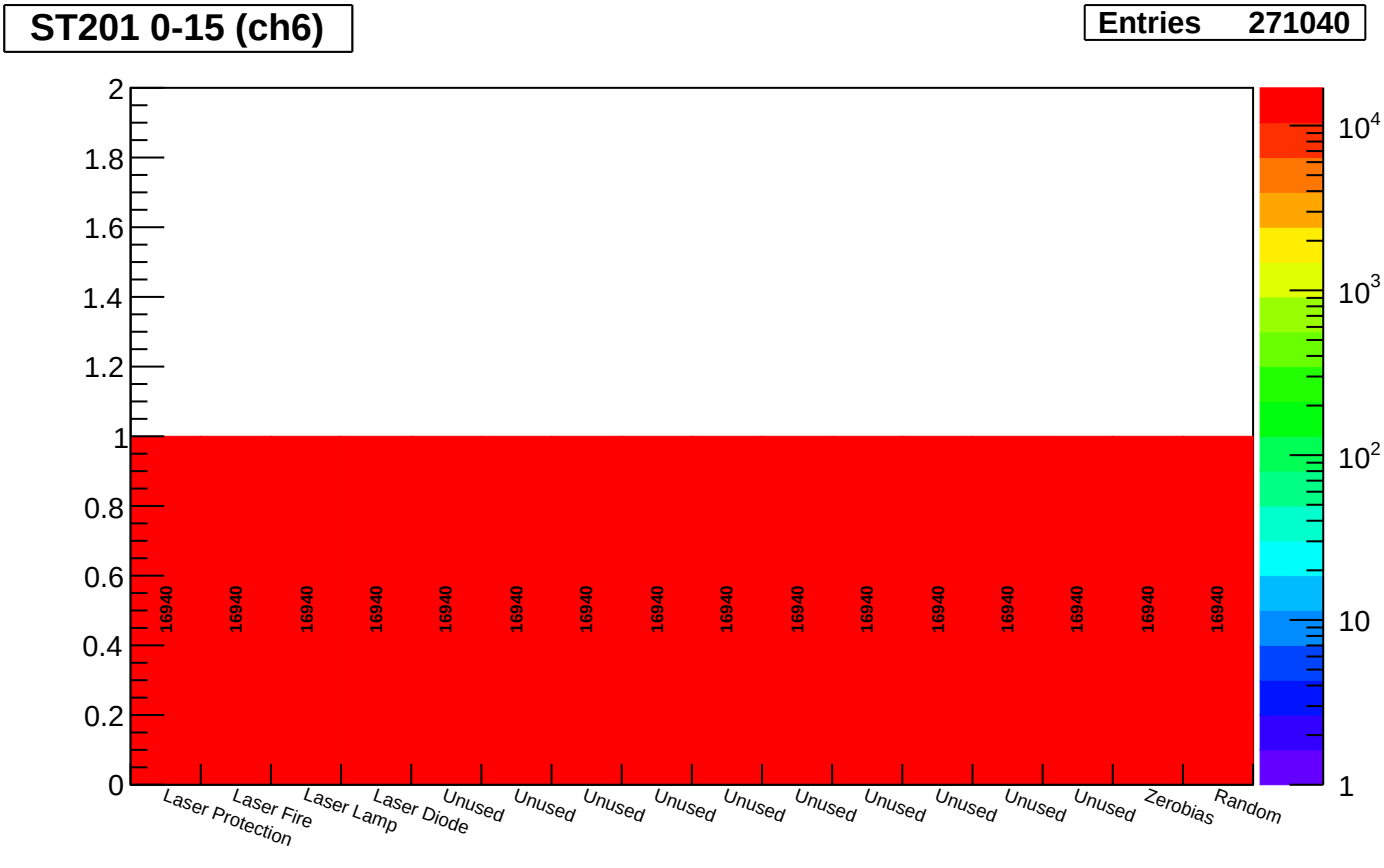

Entries 16940
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

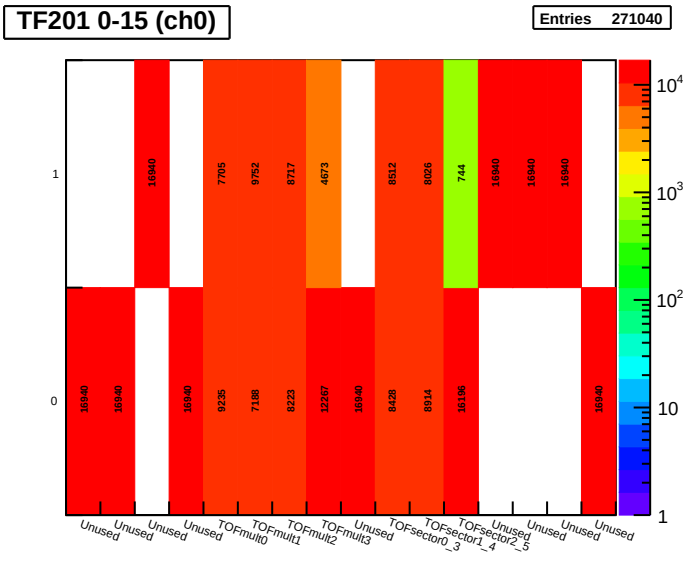

Entries 16940
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

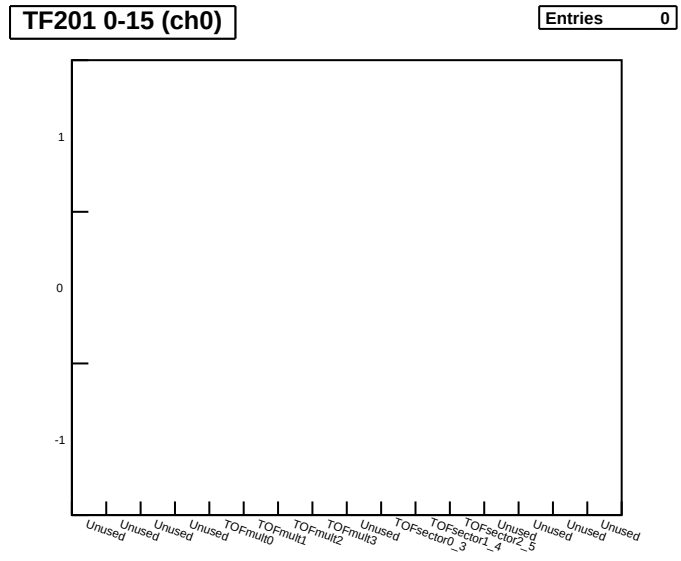

Entries 16940
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

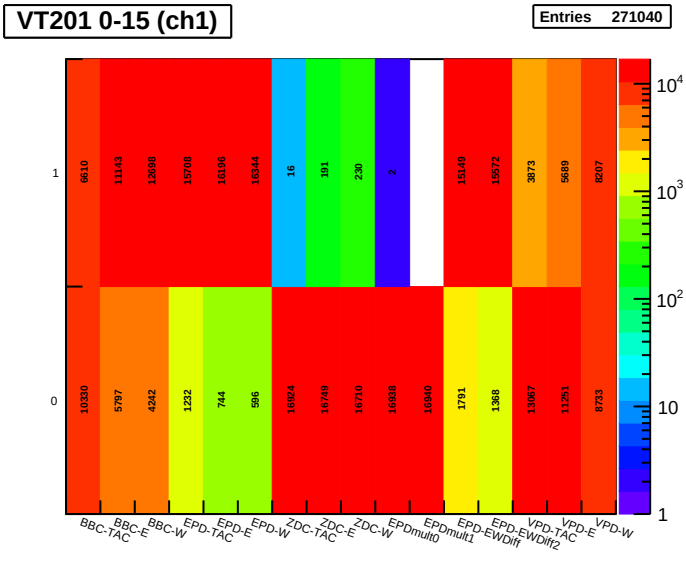

Entries 16940
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

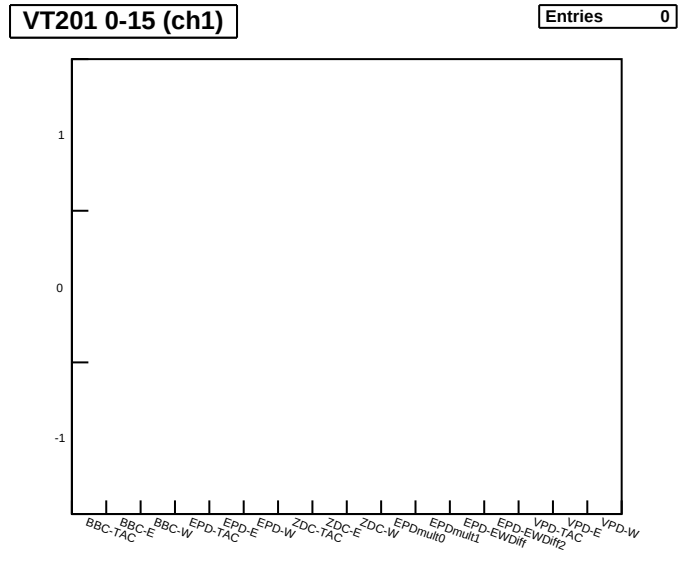

Laser Input Bits
Entries 16940
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

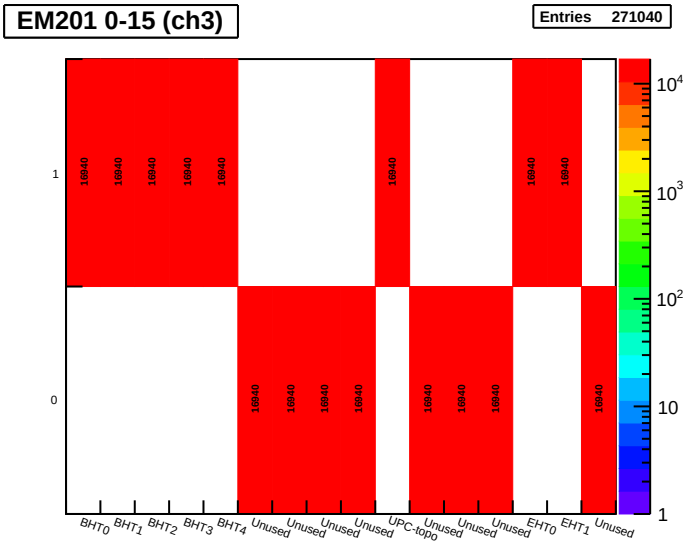

ST201 0-15 (ch6)
Entries 271040
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
16940
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

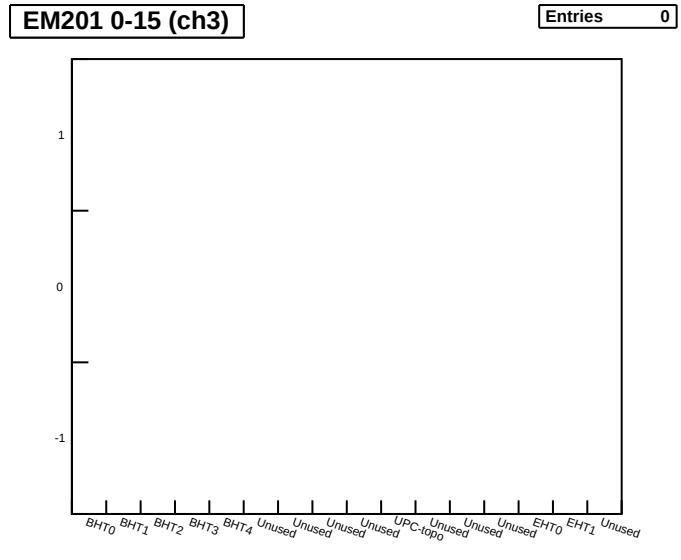

TF201 0-15 (ch0)
Entries 271040
1
0
16940
7705
9752
8717
4673
8512
8026
744
16940
16940
16940
16940
16940
9235
7188
8223
12267
16940
8428
8914
16196
16940
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
10^3
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
Unused


VT201 0-15 (ch1)
Entries 271040
1
0
6610
11143
12698
15708
16196
16344
16
191
230
2
15149
15572
3873
5689
8207
10330
5797
4242
1232
744
596
16824
16749
16710
16838
16940
1791
1368
13067
11251
8733
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 271040
1
0
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
16940
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