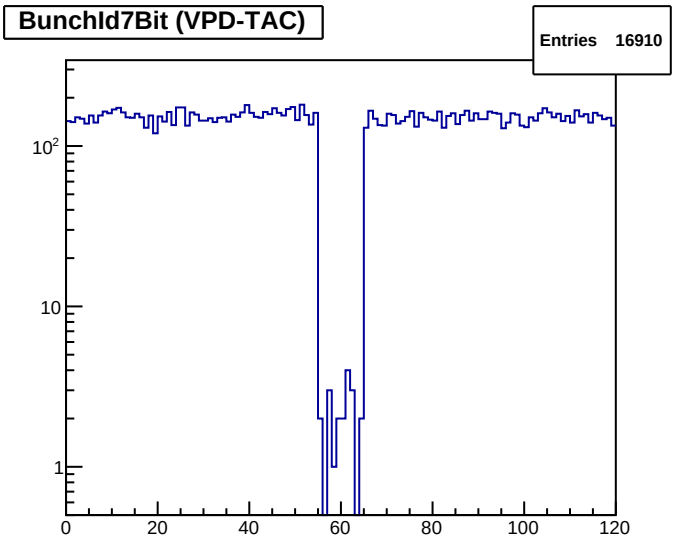
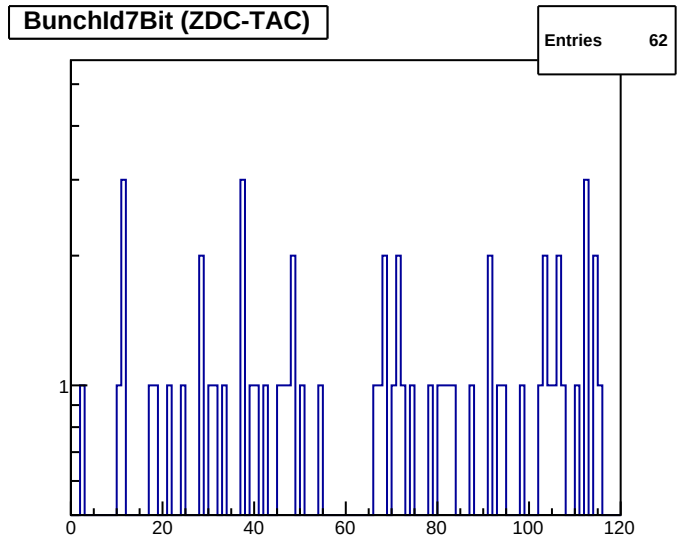
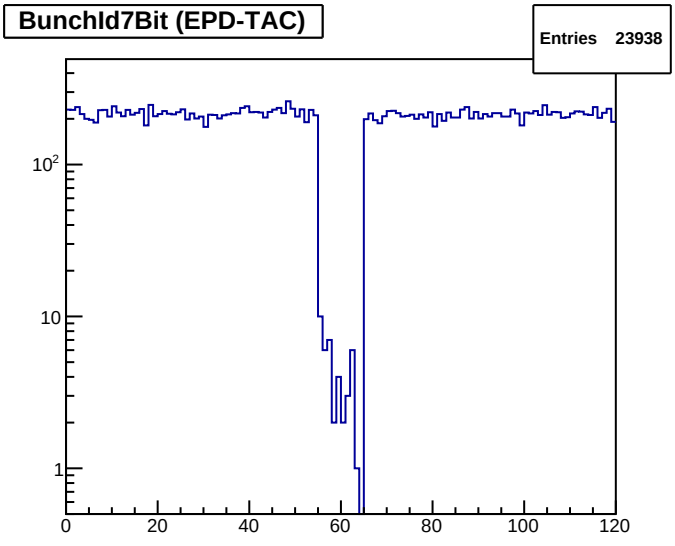
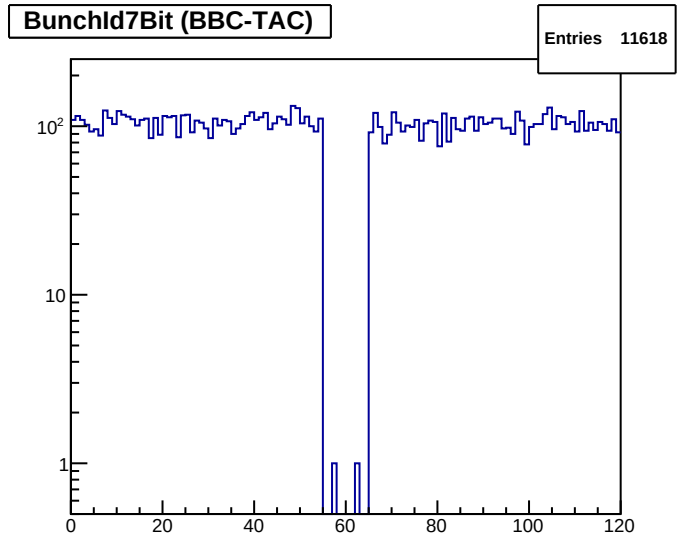
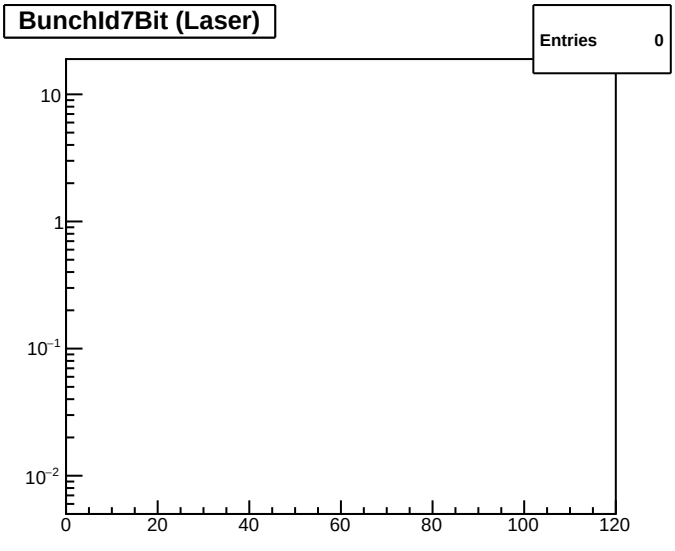
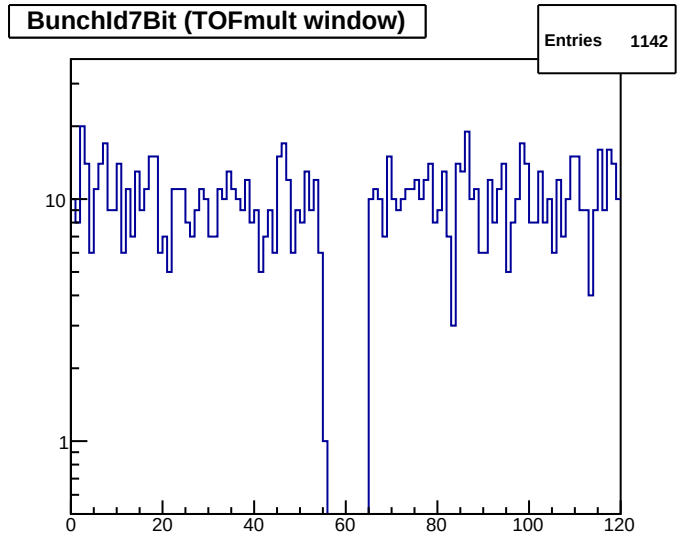

BunchId7Bit (VPD-TAC)
Entries 16910
10^2
10
1
0
20
40
60
80
100
120

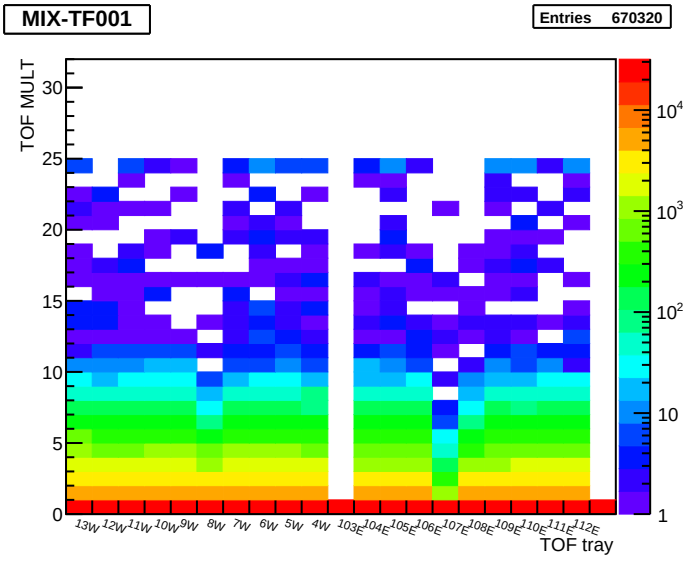

BunchId7Bit (ZDC-TAC)
Entries 62
1
0
20
40
60
80
100
120

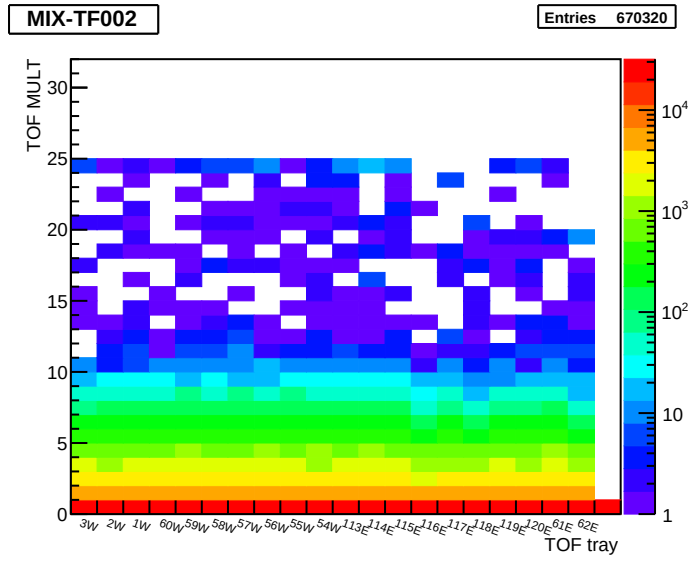

BunchId7Bit (EPD-TAC)
Entries 23938
10^2
10
1
0
20
40
60
80
100
120

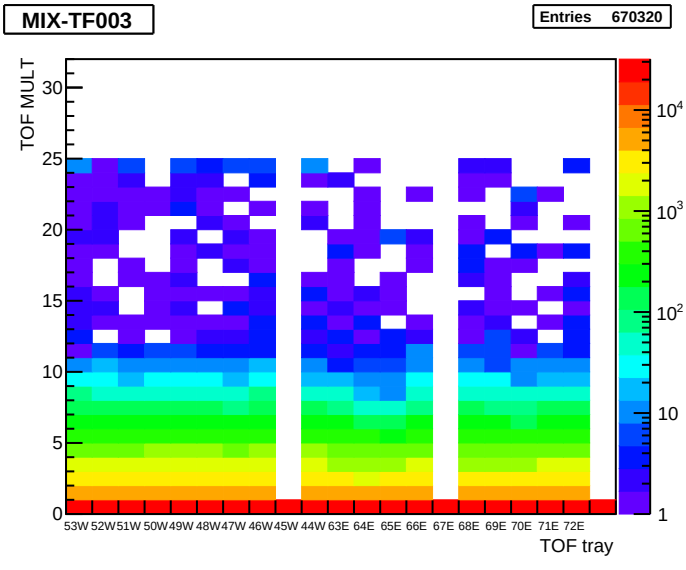

BunchId7Bit (BBC-TAC)
Entries 11618
10^2
10
1
0
20
40
60
80
100
120

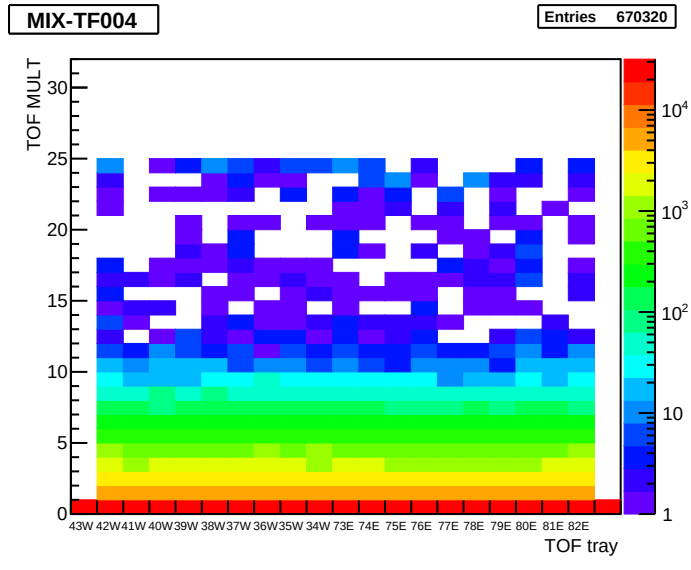

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

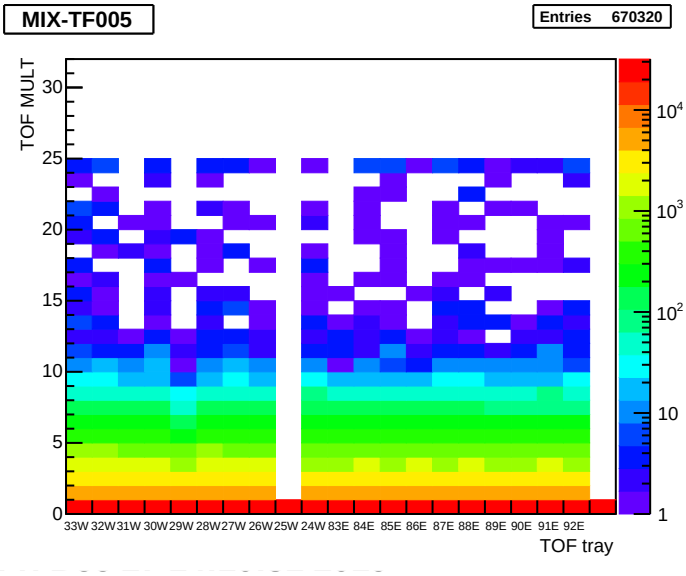

BunchId7Bit (TOFmult window)
Entries 1142
10
1
0
20
40
60
80
100
120

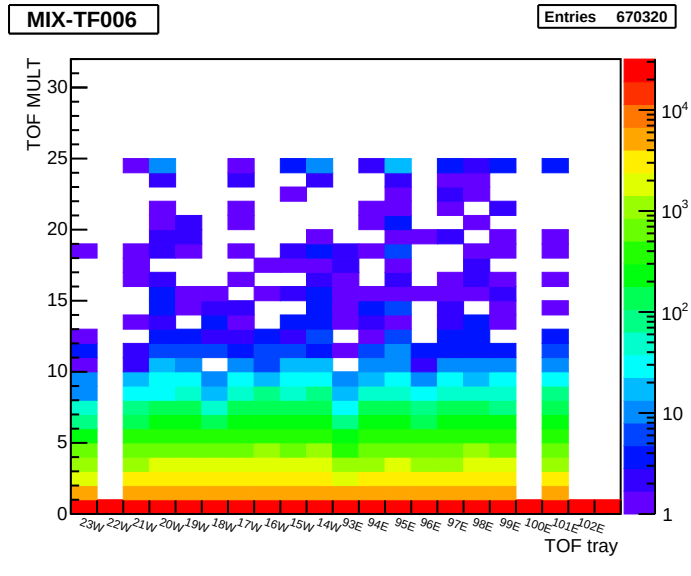

MIX-TF001
Entries 670320
TOF MULT
TOF tray

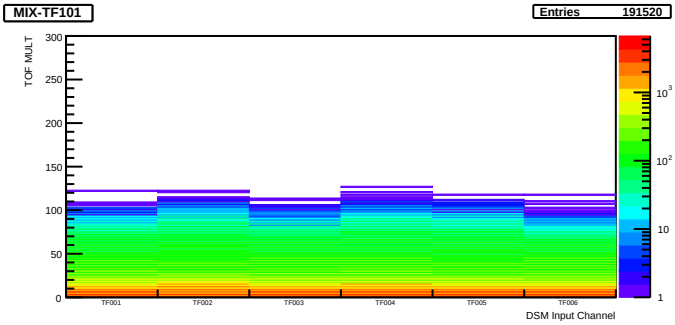

MIX-TF002
Entries 670320
TOF MULT
TOF tray

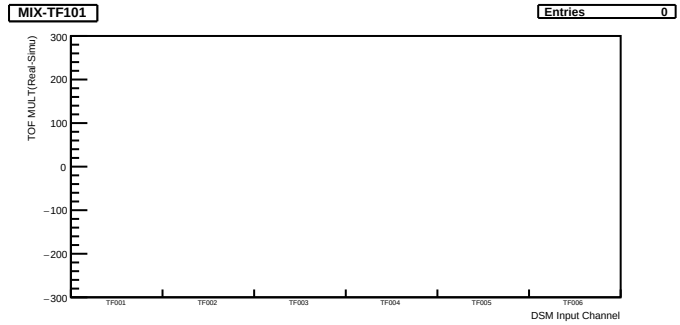

MIX-TF003
Entries 670320
TOF MULT
TOF tray

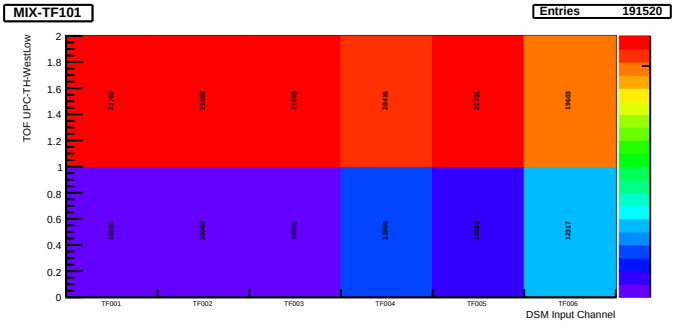

MIX-TF004
Entries 670320
TOF MULT
TOF tray

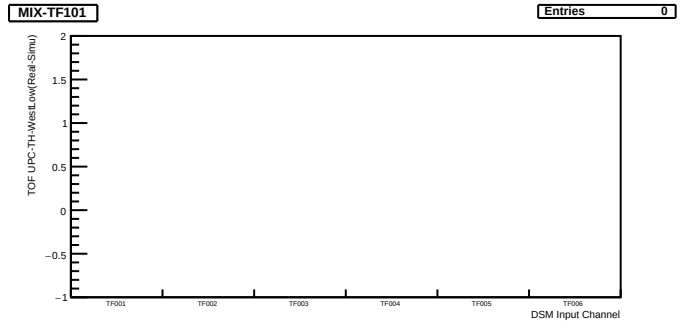

MIX-TF005
Entries 670320
TOF MULT
TOF tray

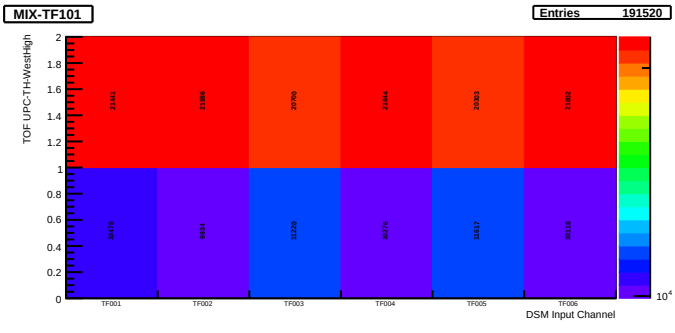

MIX-TF006
Entries 670320
TOF MULT
TOF tray

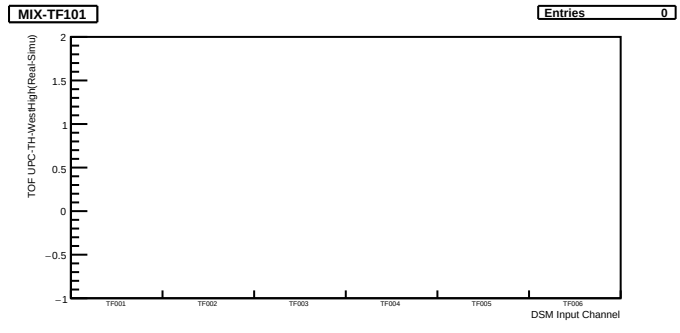

MIX-TF101
Entries 191520
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

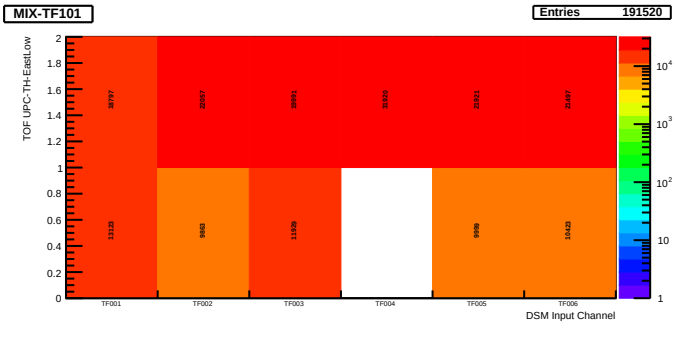

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

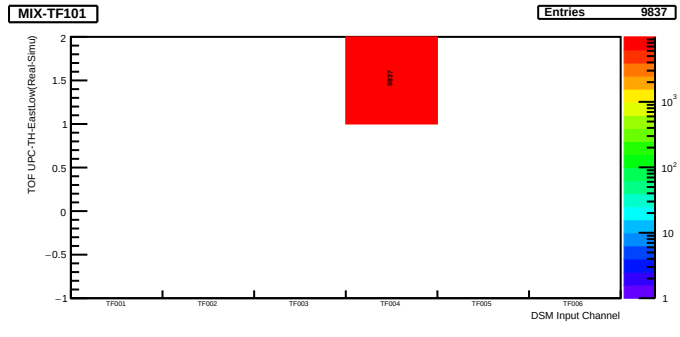

MIX-TF101
Entries 191520
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

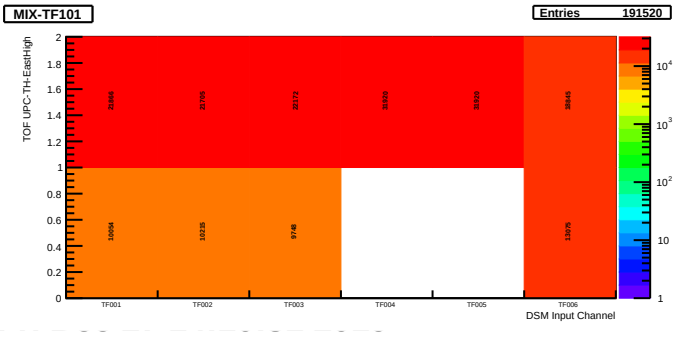

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

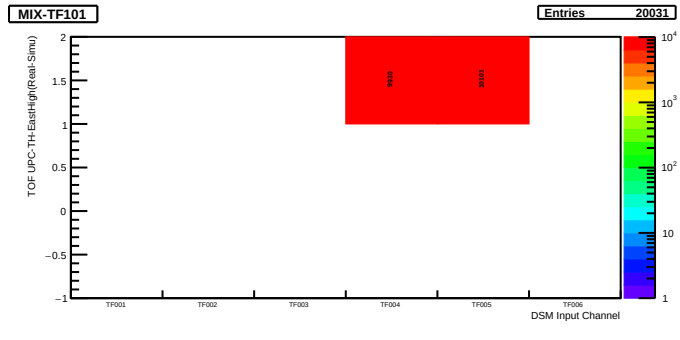

MIX-TF101
Entries 191520
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

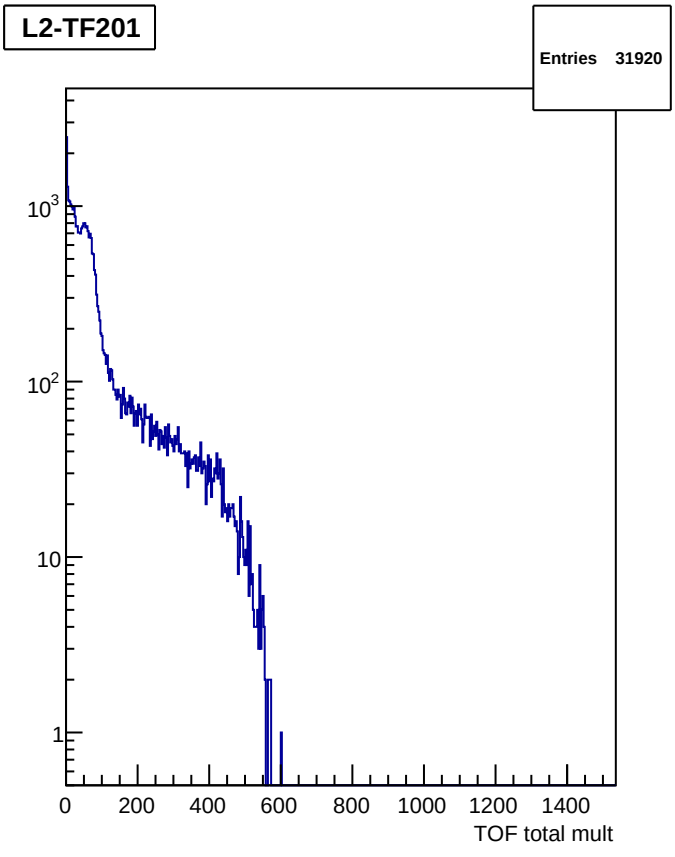

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

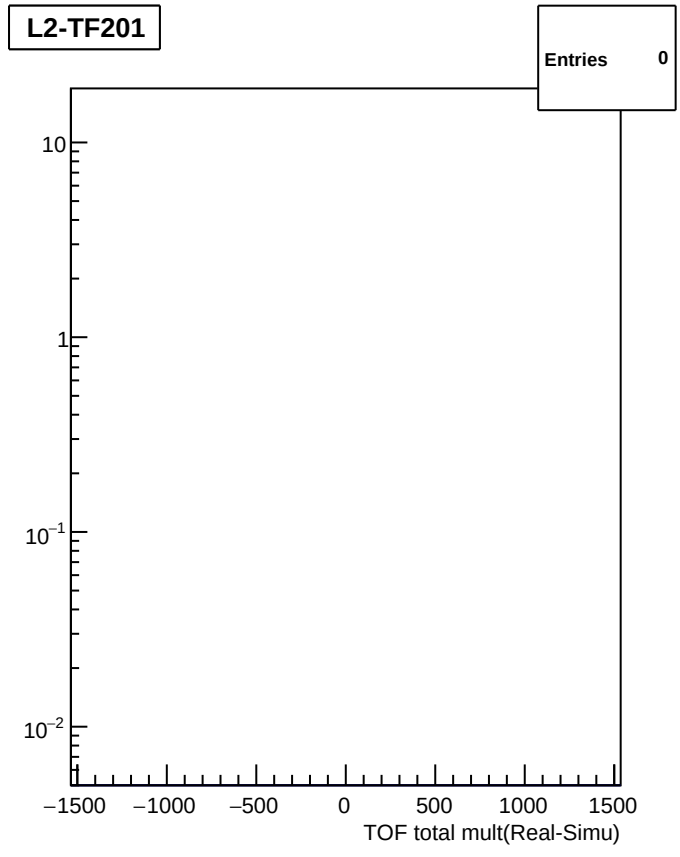

MIX-TF101
Entries 191520
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

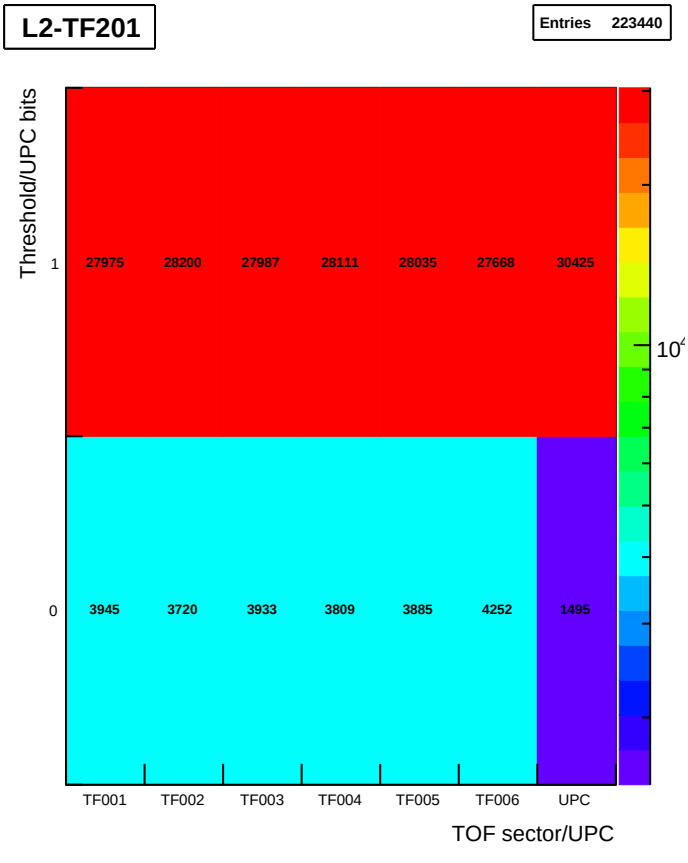

MIX-TF101
Entries 9837
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

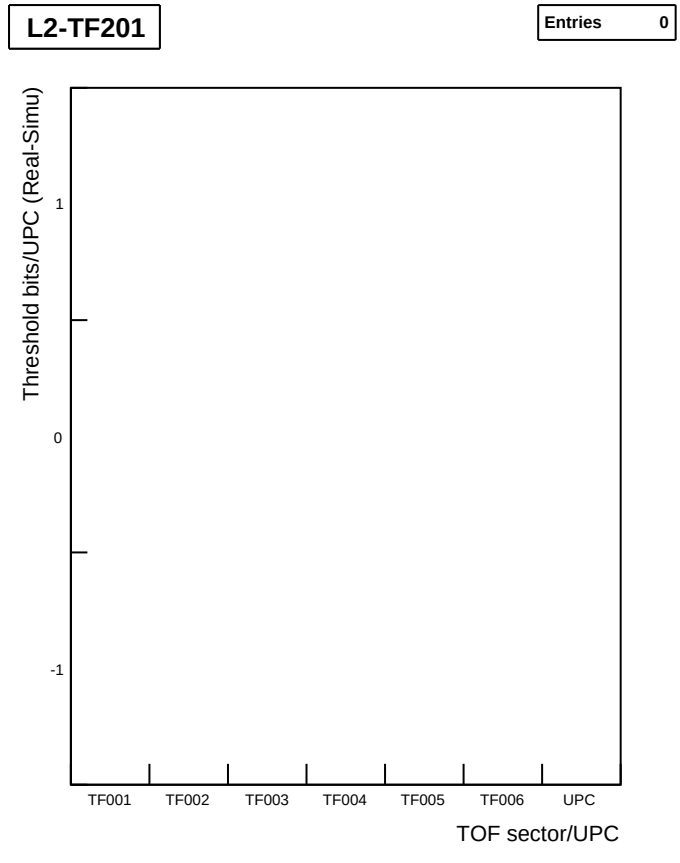

MIX-TF101
Entries 191520
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

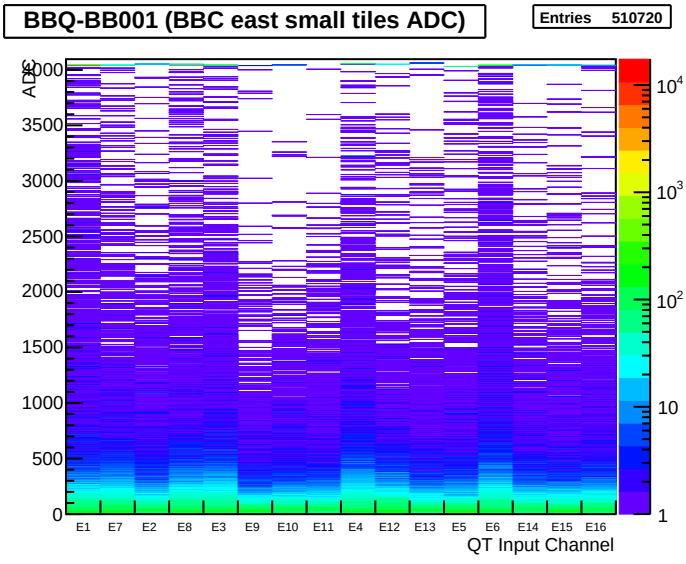

MIX-TF101
Entries 20031
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

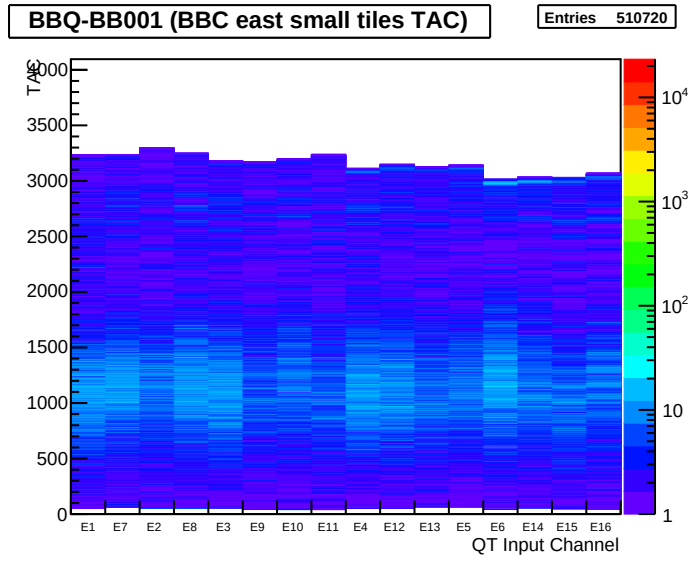

L2-TF201
Entries 31920
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

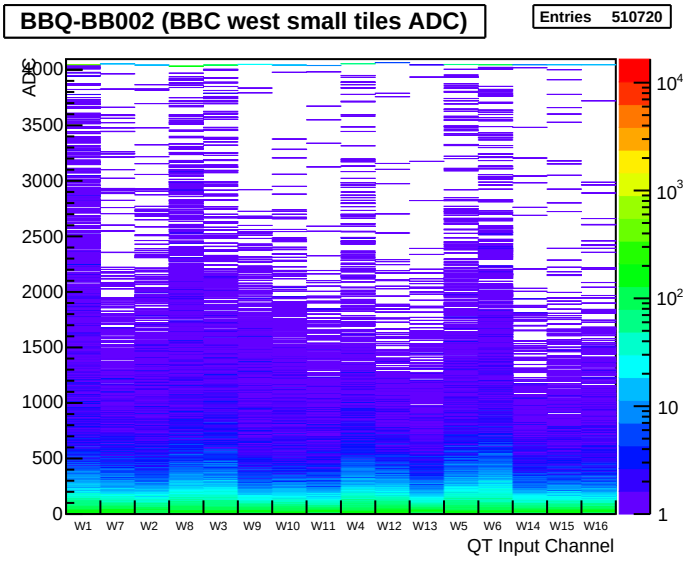

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

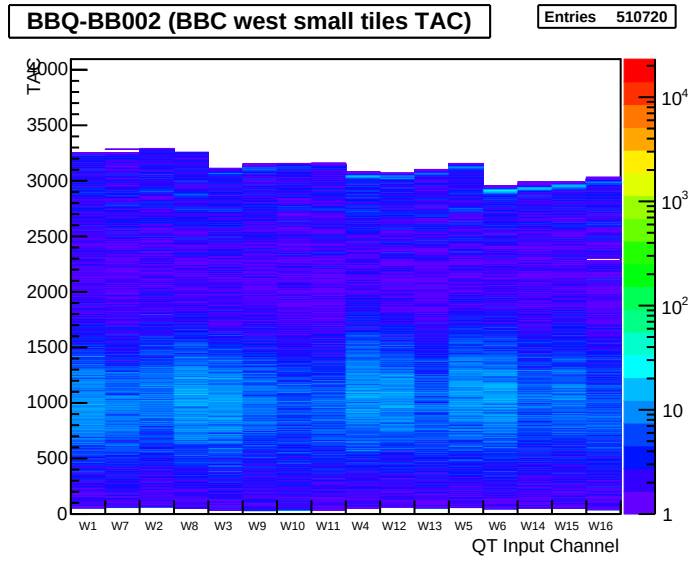

L2-TF201
Entries 223440
Threshold/UPC bits
1
0
27975
28200
27987
28111
28035
27668
30425
3945
3720
3933
3809
3885
4252
1495
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

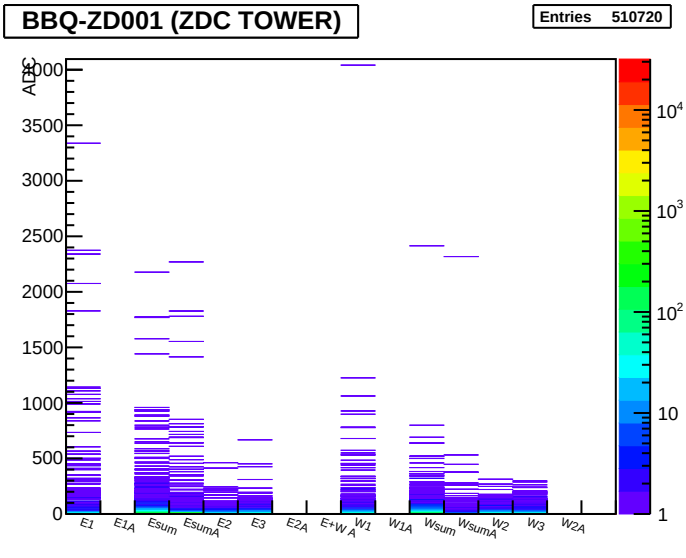

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

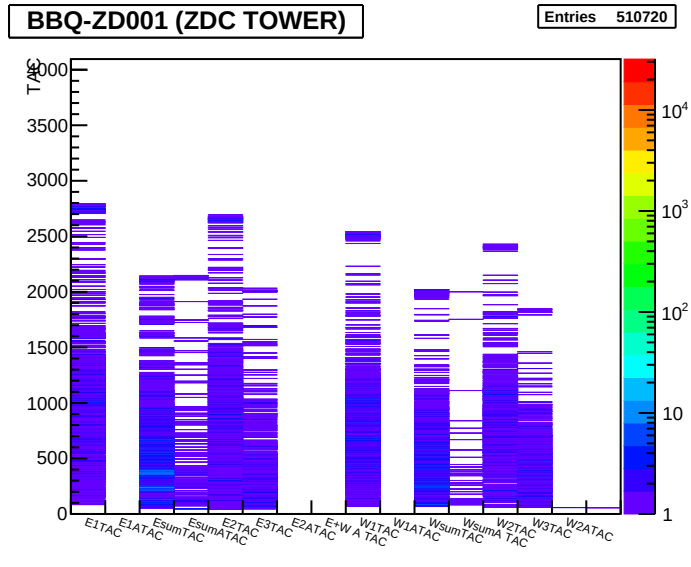

BBQ-BB001 (BBC east small tiles ADC)
Entries 510720
ADC
QT Input Channel

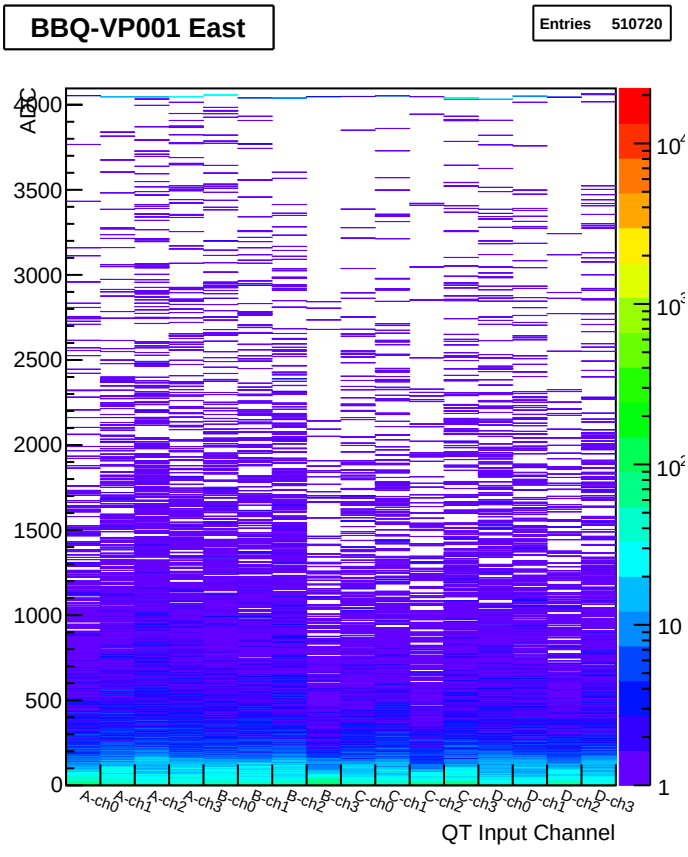

BBQ-BB001 (BBC east small tiles TAC)
Entries 510720
TAC
QT Input Channel

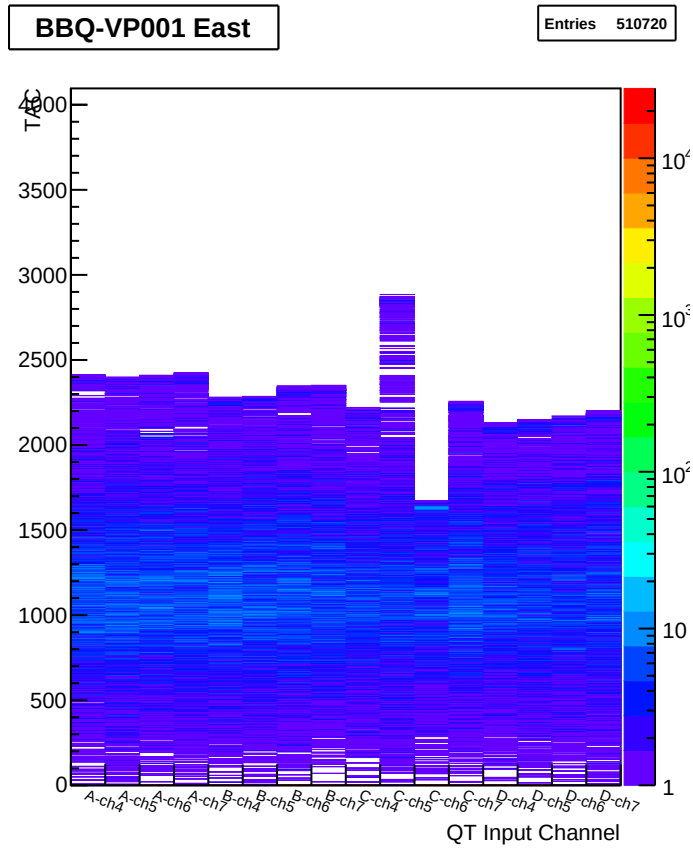

BBQ-BB002 (BBC west small tiles ADC)
Entries 510720
ADC
QT Input Channel

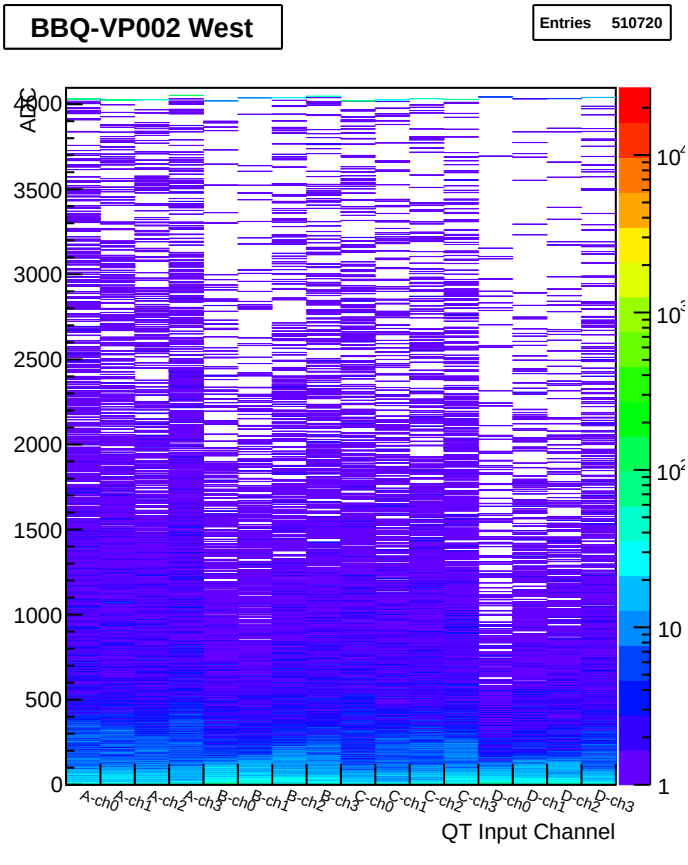

BBQ-BB002 (BBC west small tiles TAC)
Entries 510720
TAC
QT Input Channel

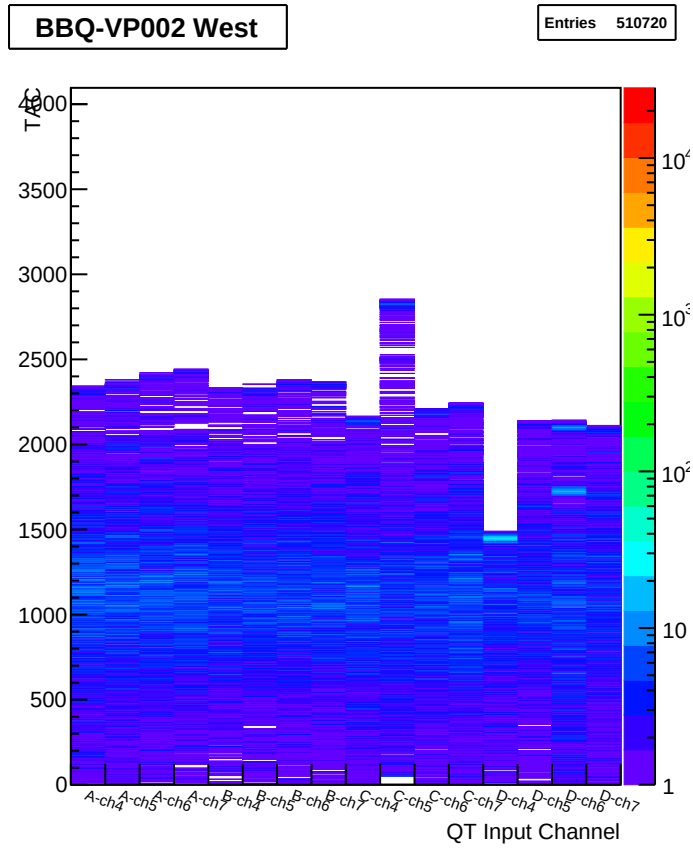

BBQ-ZD001 (ZDC TOWER)
Entries 510720
ADC

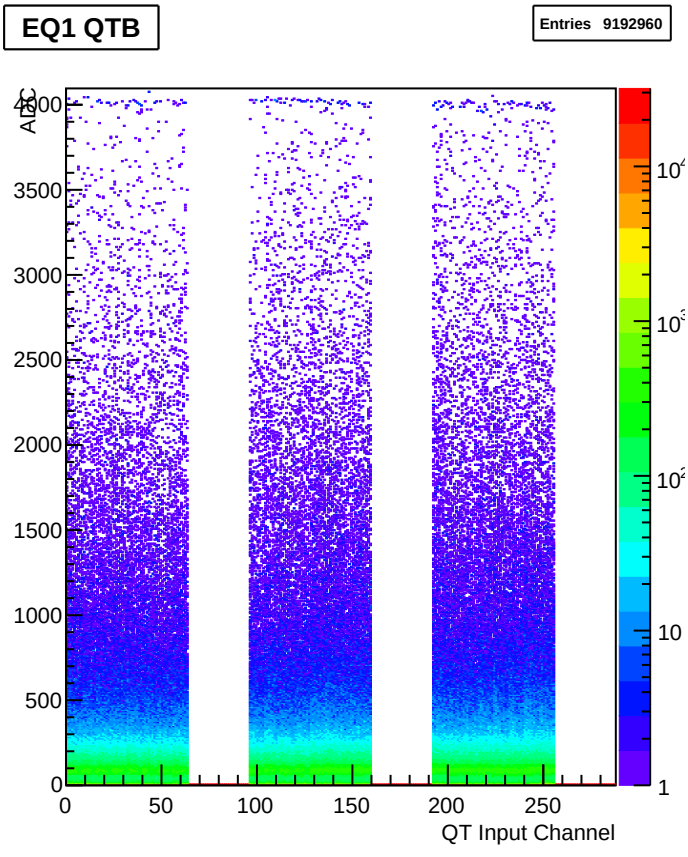

BBQ-ZD001 (ZDC TOWER)
Entries 510720
TAC

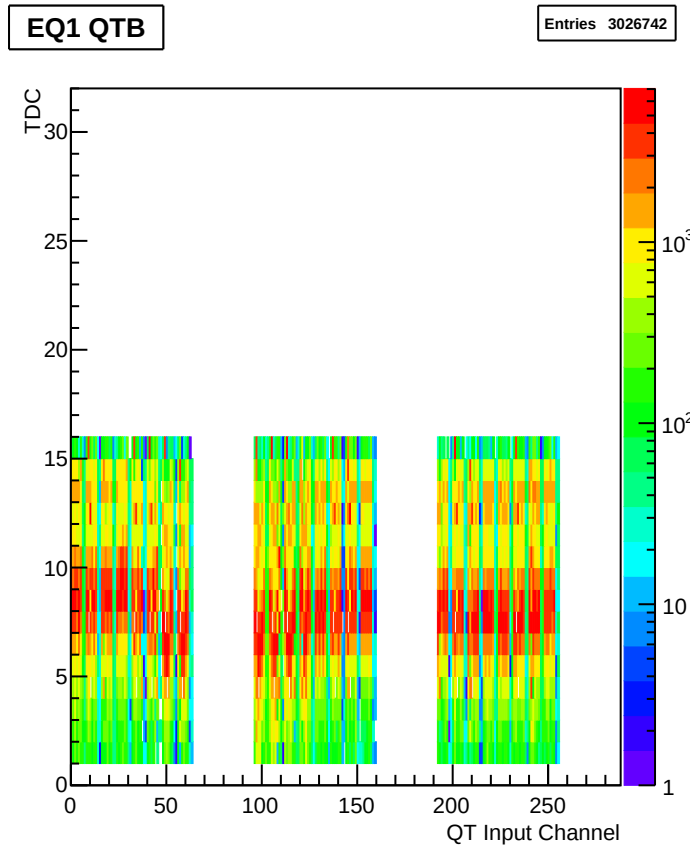

BBQ-VP001 East
Entries 510720
ADC
QT Input Channel

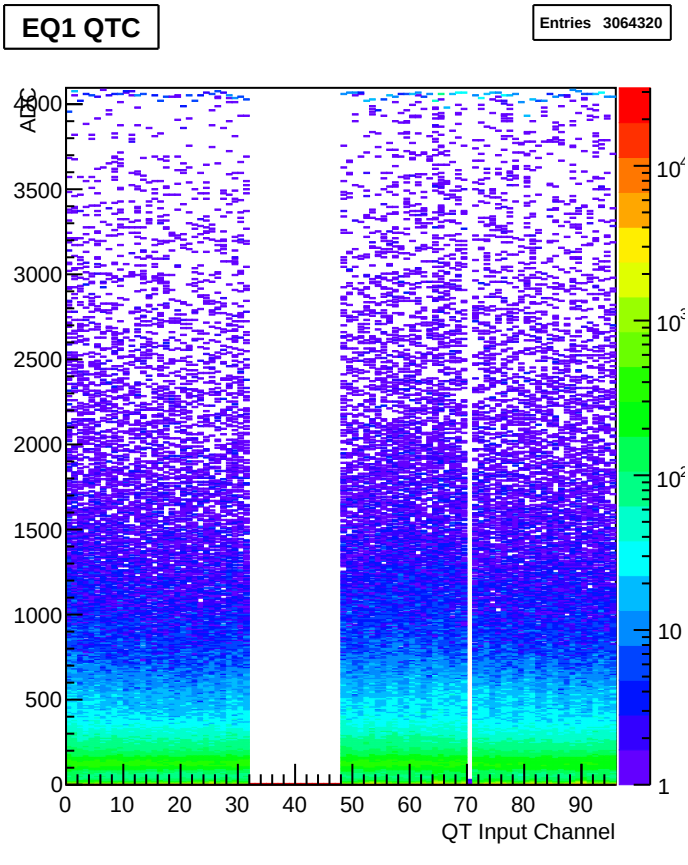

BBQ-VP001 East
Entries 510720
TAC
QT Input Channel

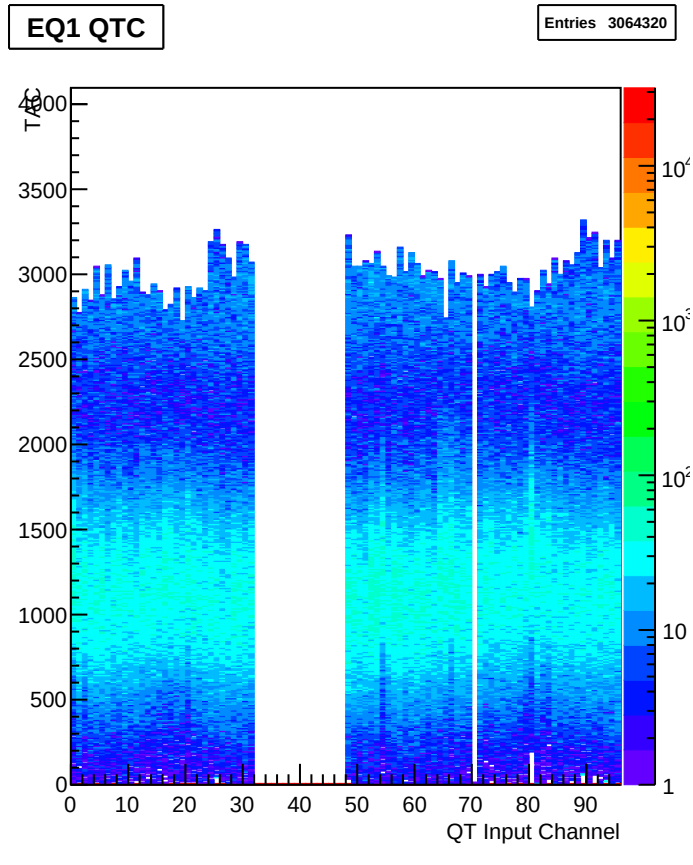

BBQ-VP002 West
Entries 510720
ADC
QT Input Channel

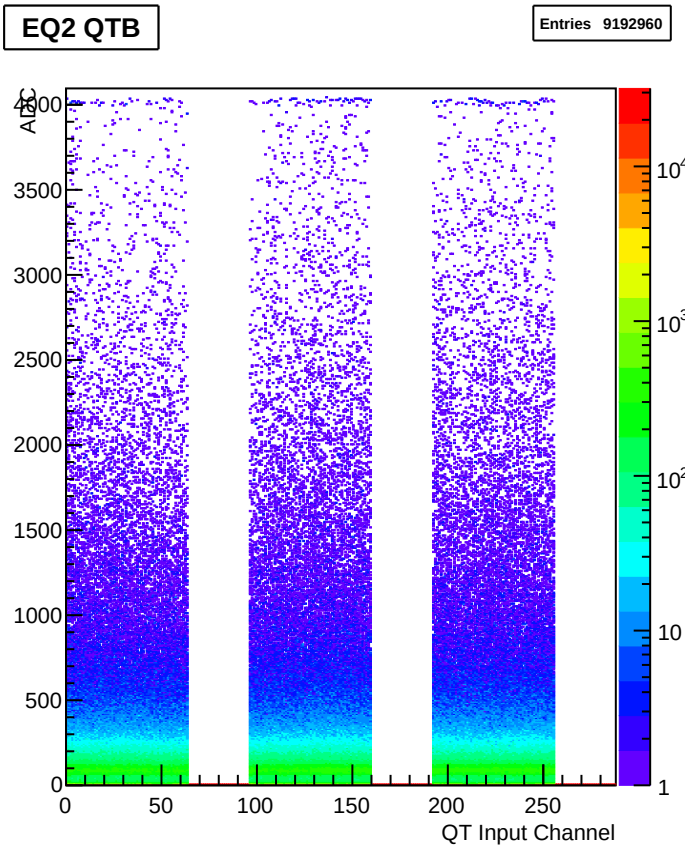

BBQ-VP002 West
Entries 510720
TAC
QT Input Channel

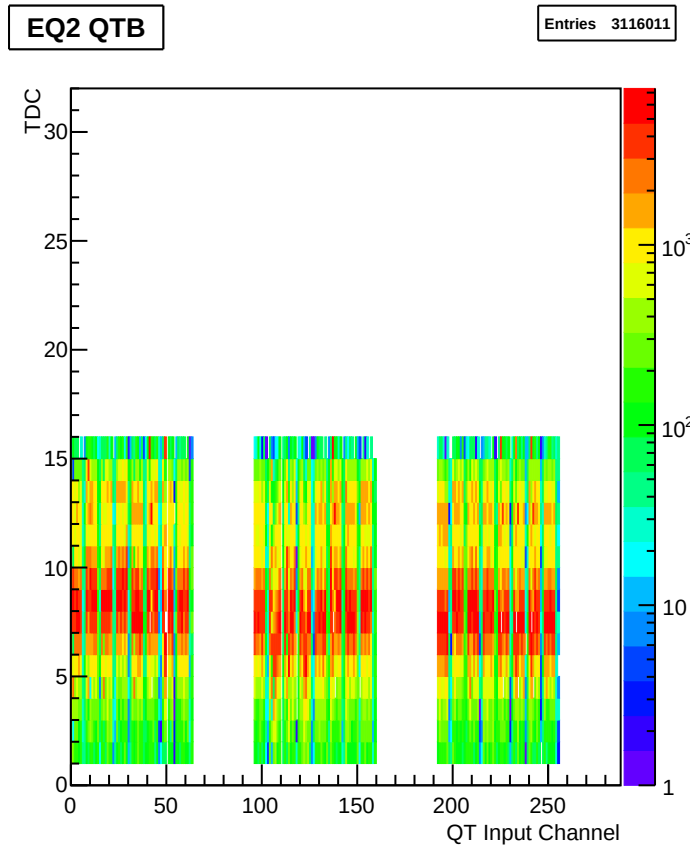

EQ1 QTB
Entries 9192960
ADC
QT Input Channel

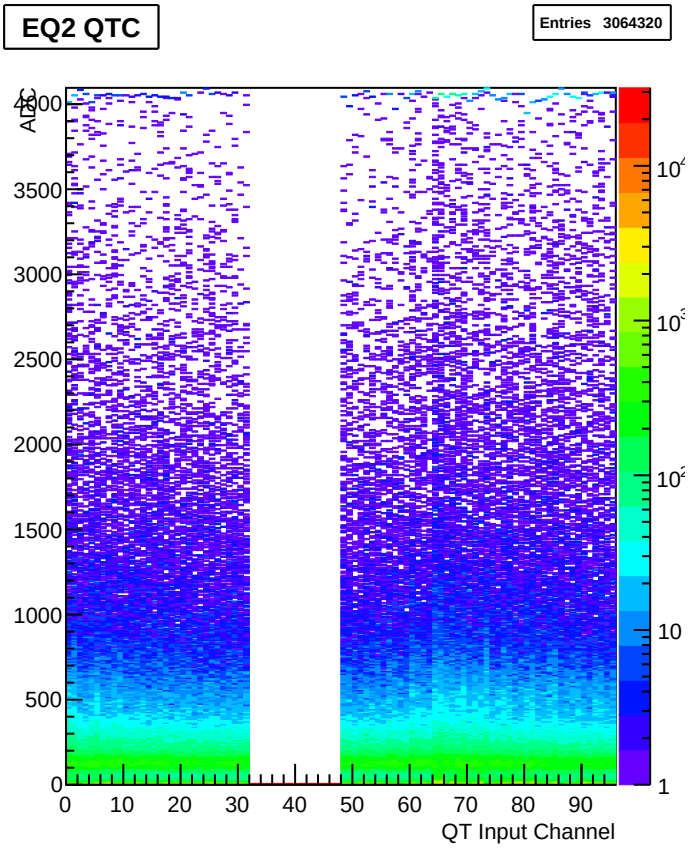

EQ1 QTB
Entries 3026742
TDC
QT Input Channel

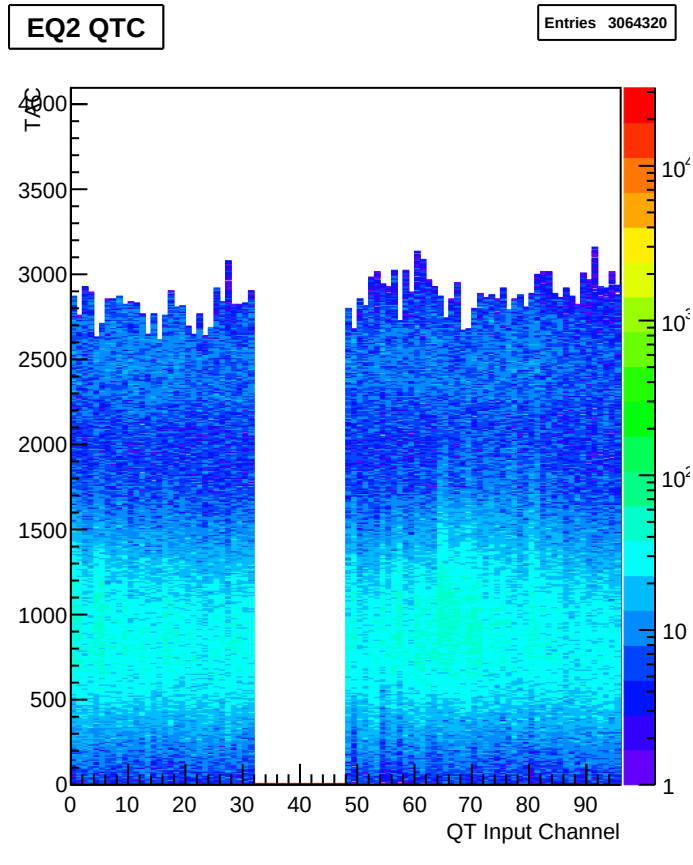

EQ1 QTC
Entries 3064320
ADC
QT Input Channel

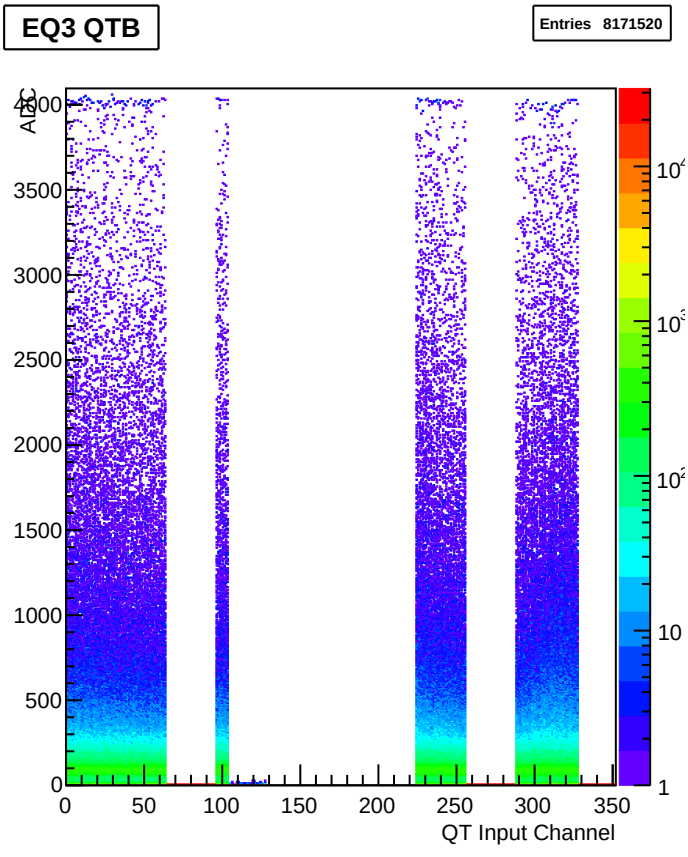

EQ1 QTC
Entries 3064320
TADC
QT Input Channel

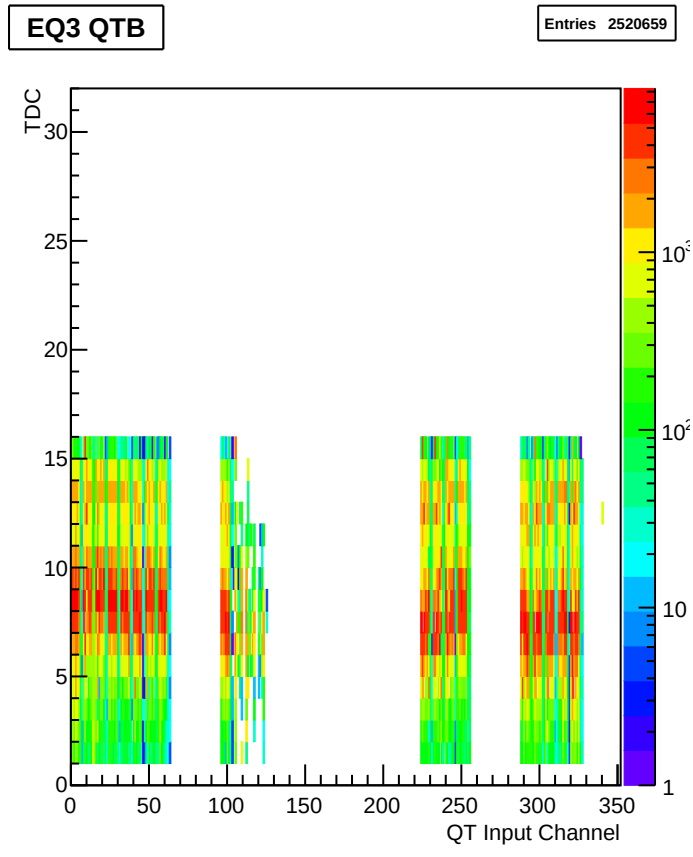

EQ2 QTB
Entries 9192960
ADC
QT Input Channel

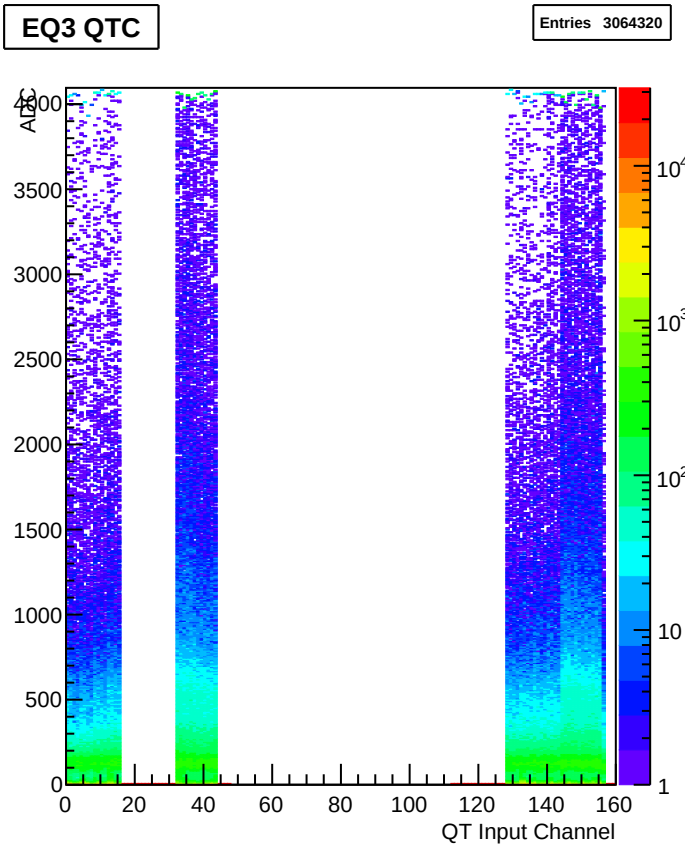

EQ2 QTB
Entries 3116011
TDC
QT Input Channel

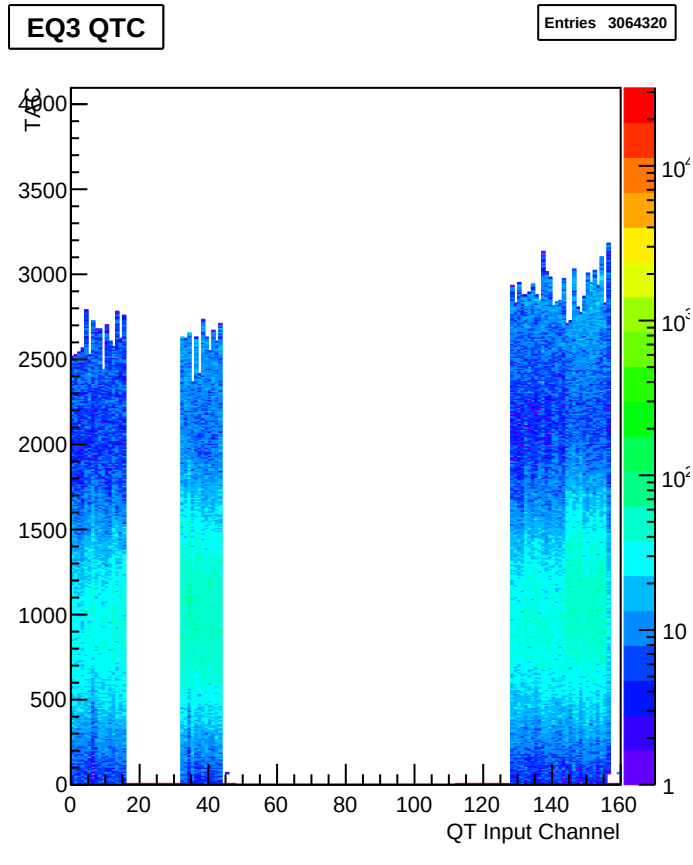

EQ2 QTC
Entries 3064320
ADC
QT Input Channel

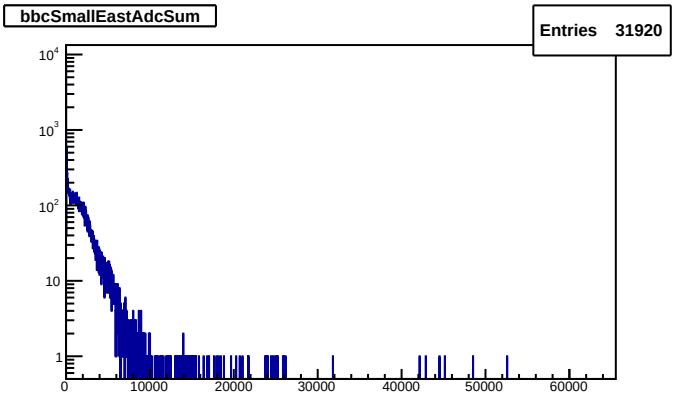

EQ2 QTC
Entries 3064320
TADC
QT Input Channel

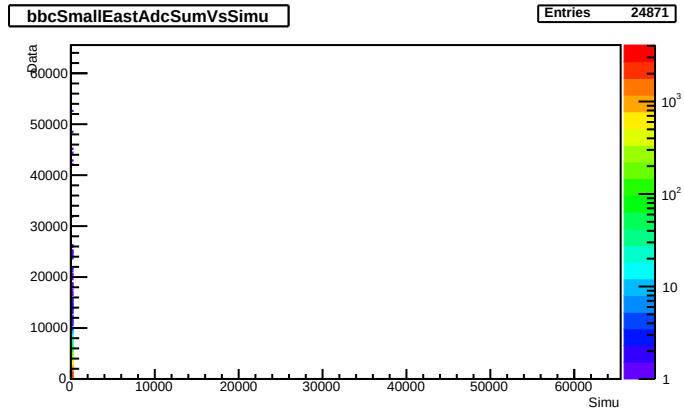

EQ3 QTB
Entries 8171520
ADC
QT Input Channel

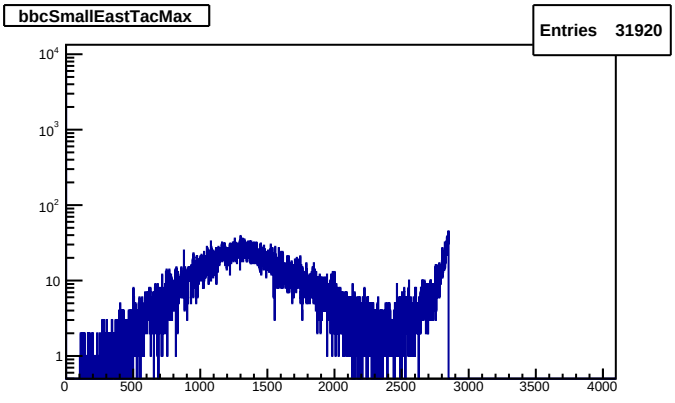

EQ3 QTB
Entries 2520659
TDC
QT Input Channel

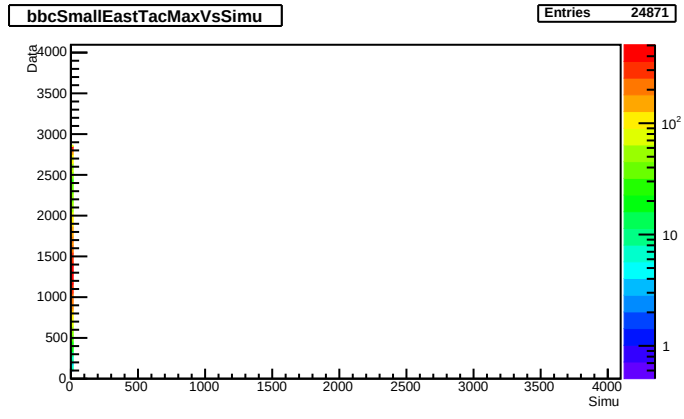

EQ3 QTC
Entries 3064320
ADC
QT Input Channel

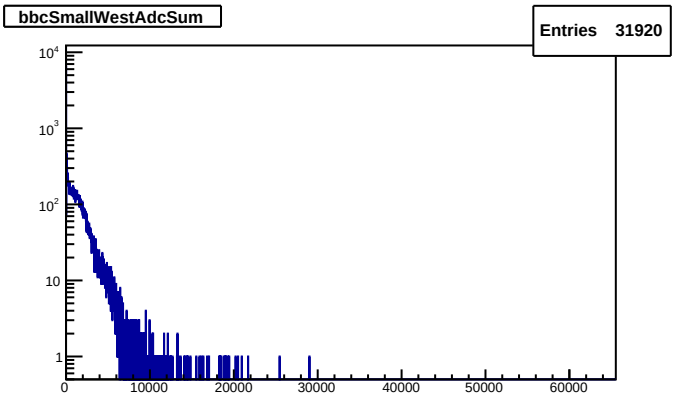

EQ3 QTC
Entries 3064320
TADC
QT Input Channel

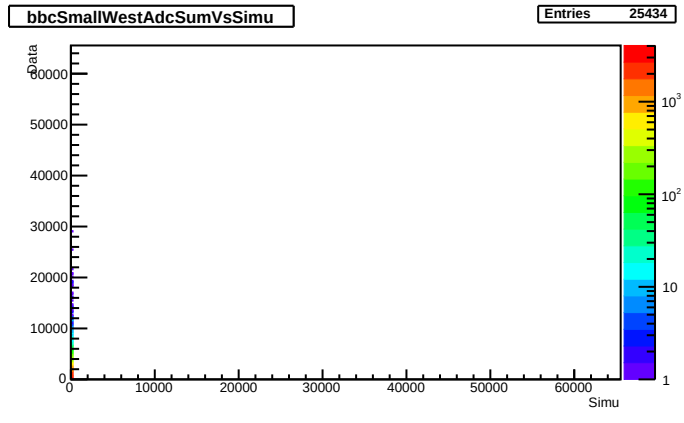

bbcSmallEastAdcSum
Entries 31920

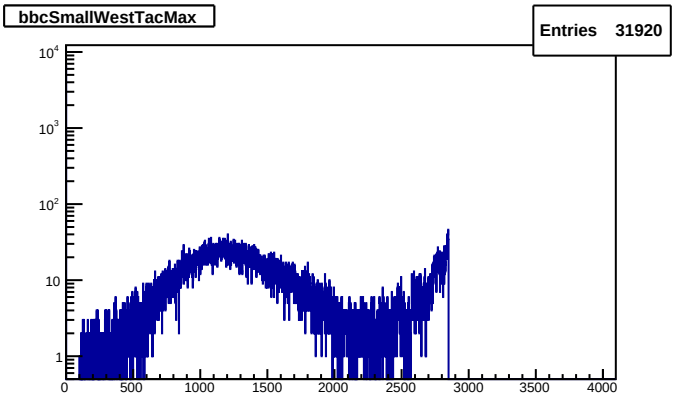

bbcSmallEastAdcSumVsSimu
Entries 24871
Data
Simu

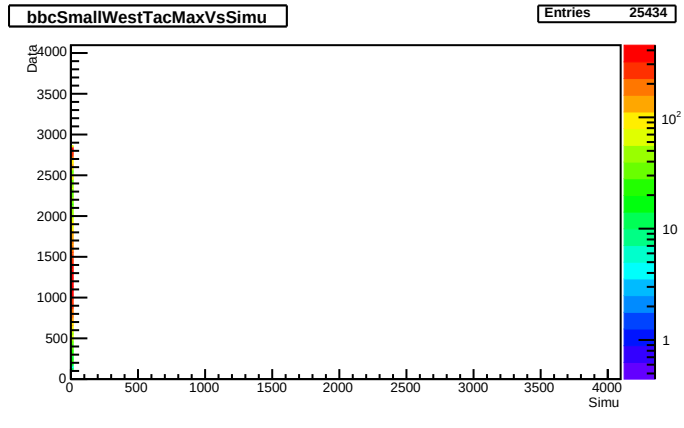

bbcSmallEastTacMax
Entries 31920

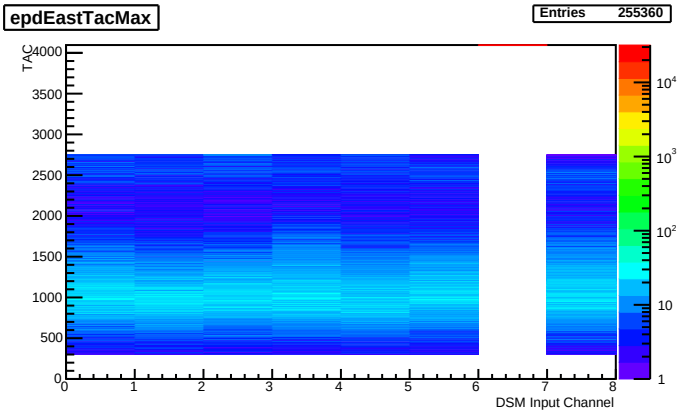

bbcSmallEastTacMaxVsSimu
Entries 24871
Data
Simu

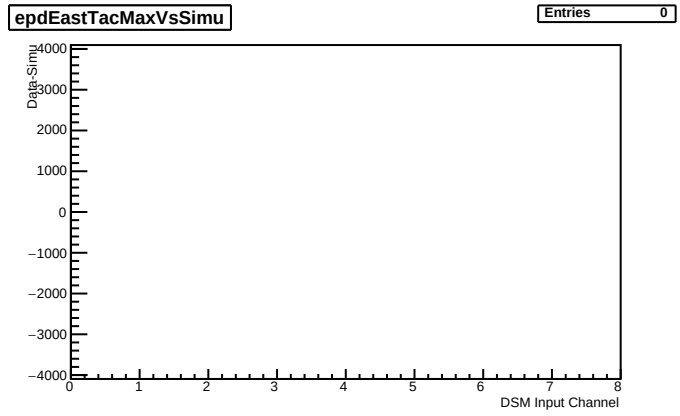

bbcSmallWestAdcSum
Entries 31920

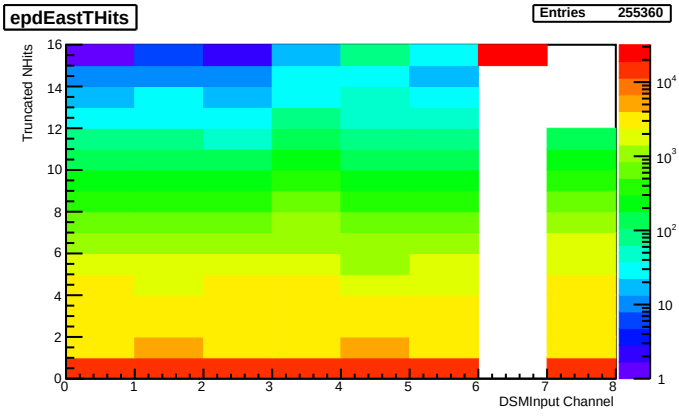

bbcSmallWestAdcSumVsSimu
Entries 25434
Data
Simu

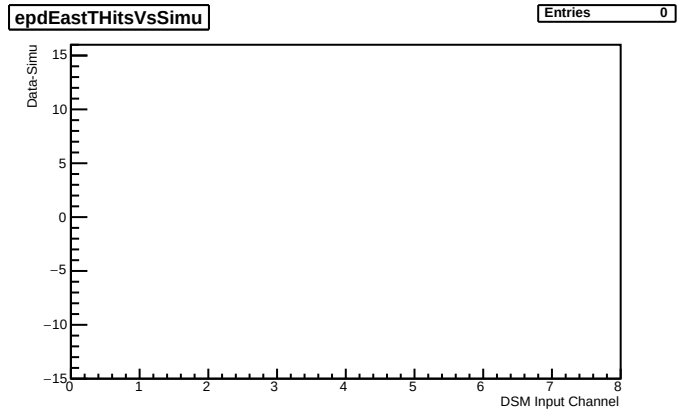

bbcSmallWestTacMax
Entries 31920

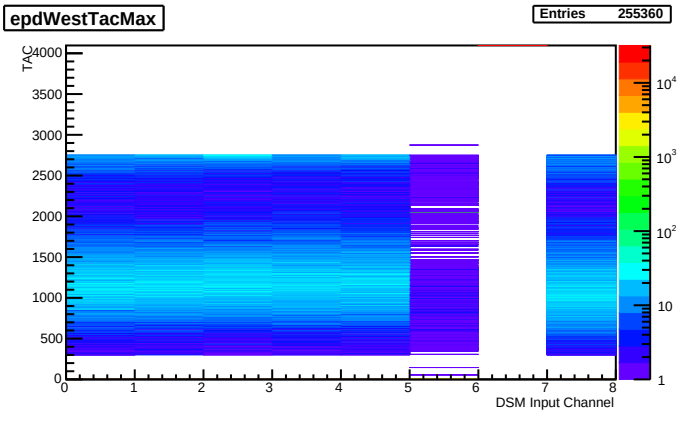

bbcSmallWestTacMaxVsSimu
Entries 25434
Data
Simu

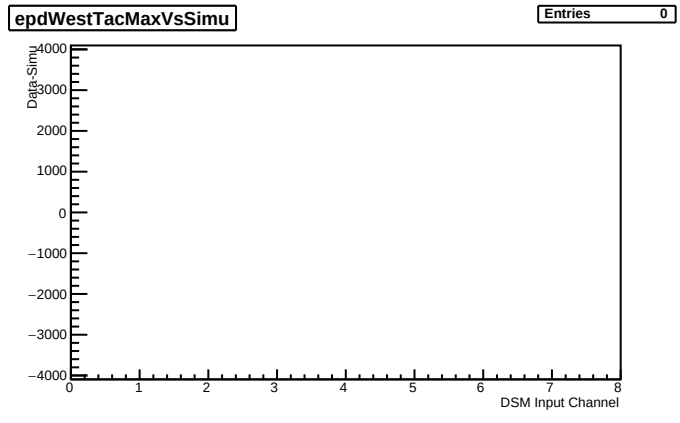

epdEastTacMax
Entries 255360
TAC
DSM Input Channel

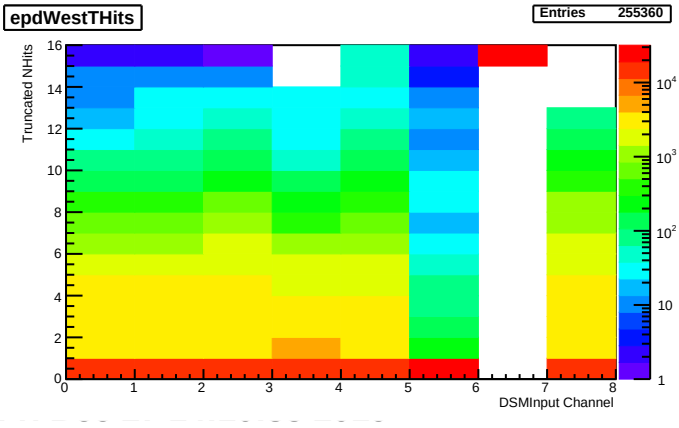

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

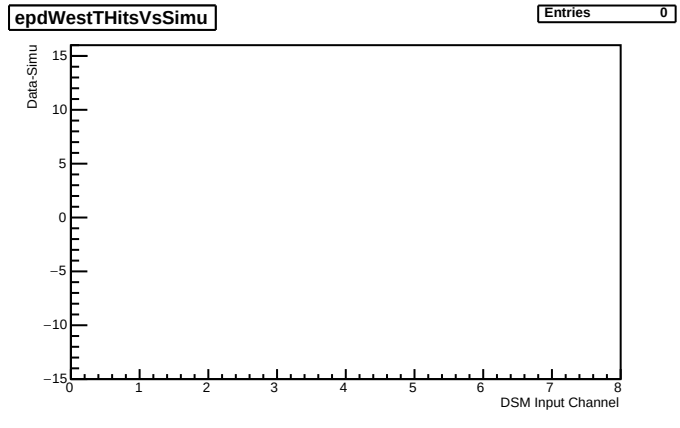

epdEastTHits
Entries 255360
Truncated NHits
DSMInput Channel

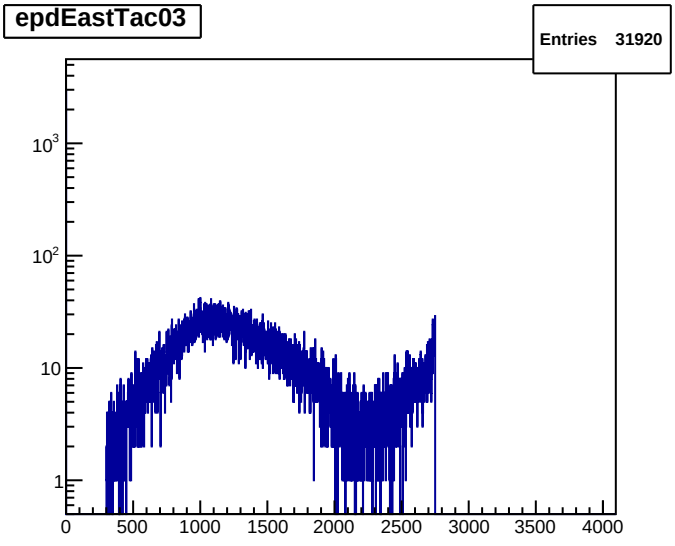

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

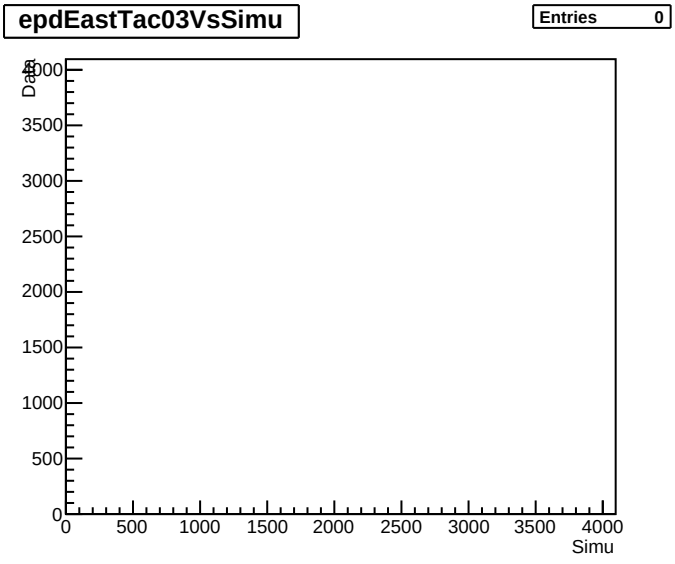

epdWestTacMax
Entries 255360
TAC
DSM Input Channel

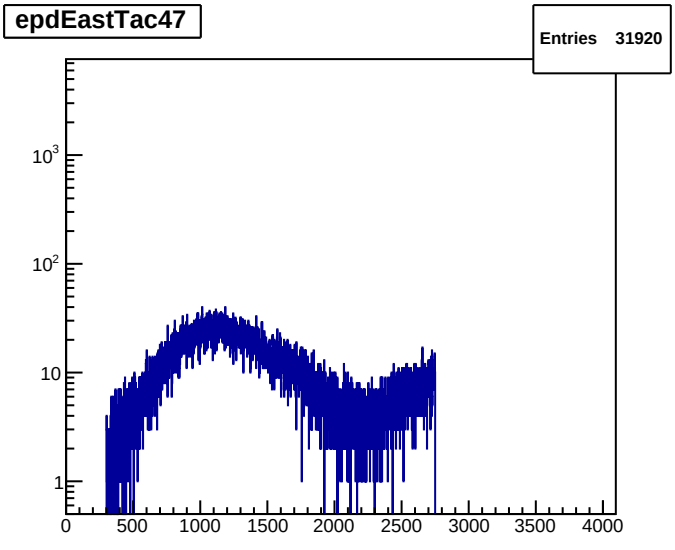

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

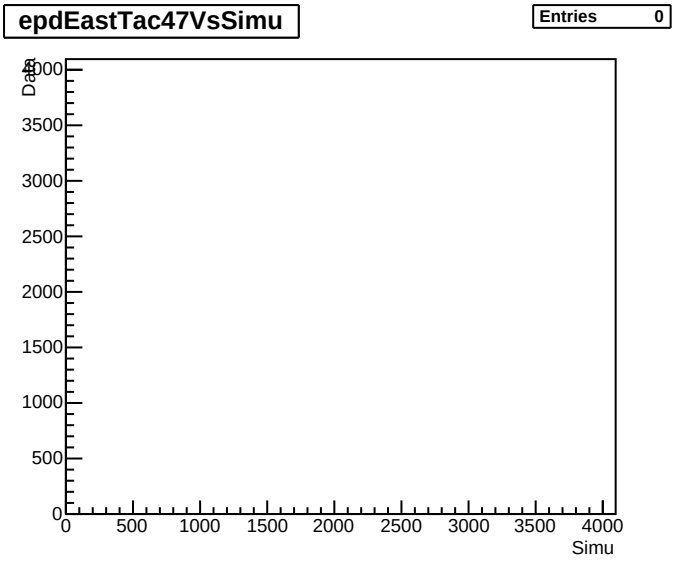

epdWestTHits
Entries 255360
Truncated NHits
DSMInput Channel

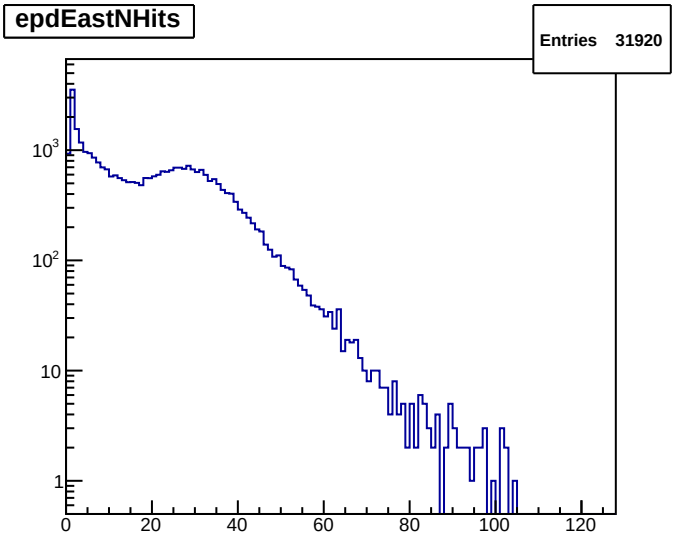

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

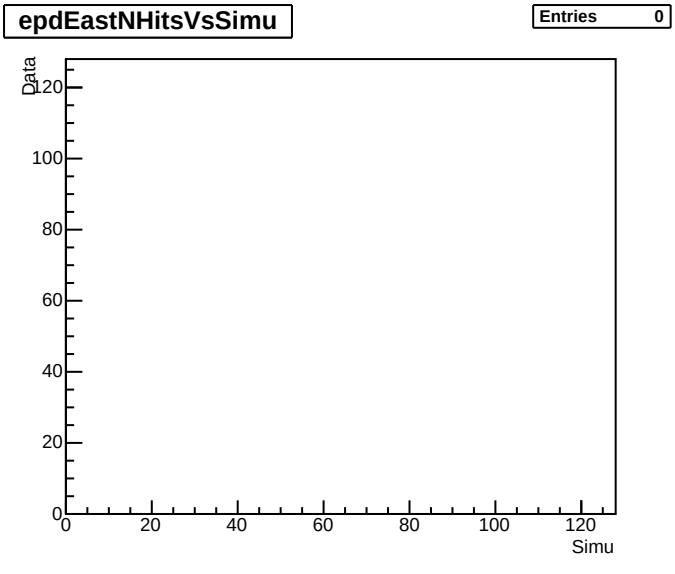

epdEastTac03
Entries 31920

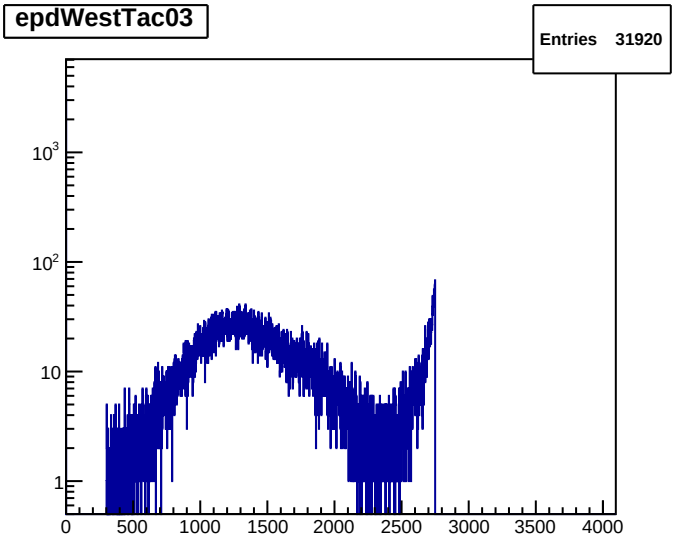

epdEastTac03VsSimu
Entries 0
Data
Simu

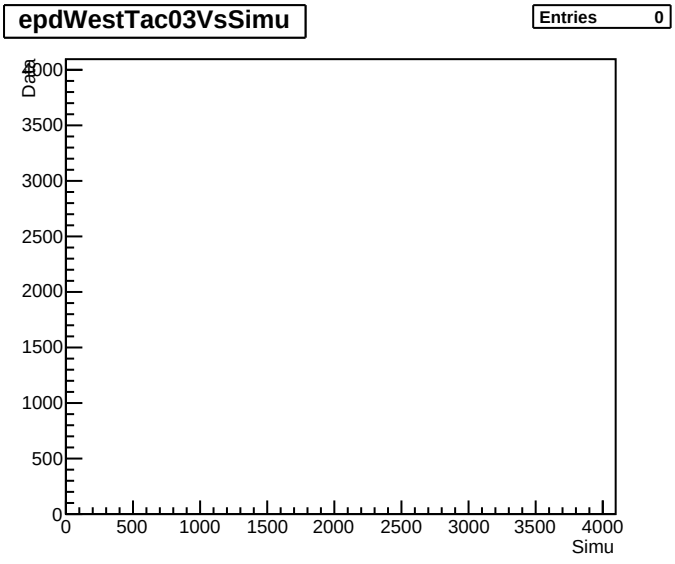

epdEastTac47
Entries 31920

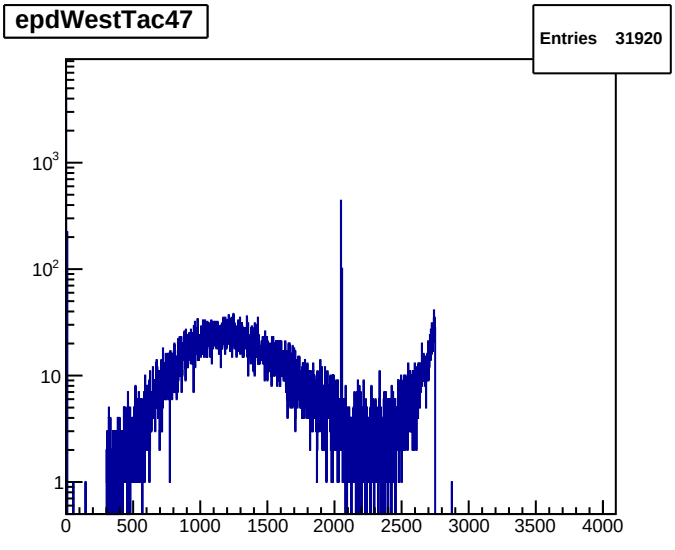

epdEastTac47VsSimu
Entries 0
Data
Simu

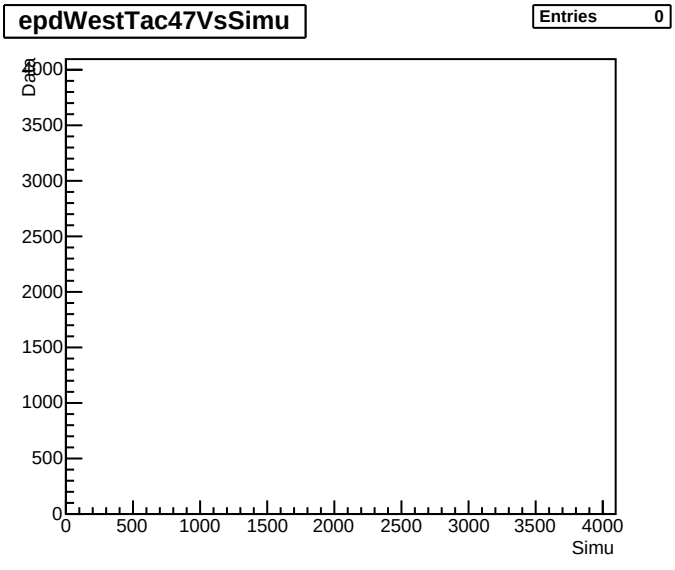

epdEastNHits
Entries 31920

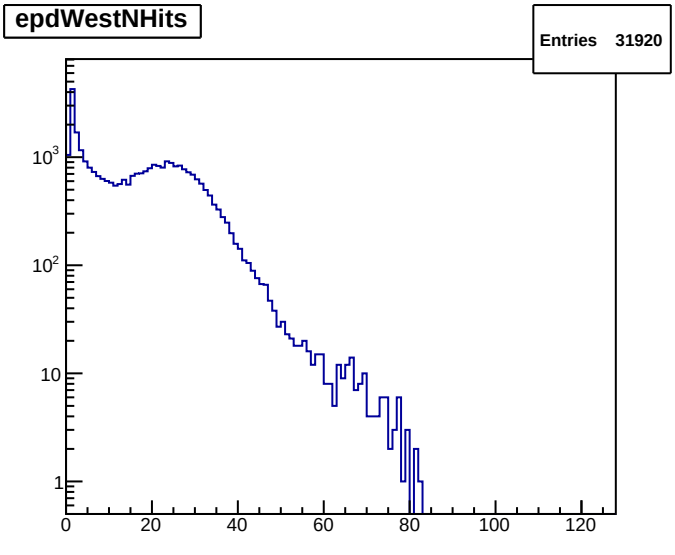

epdEastNHitsVsSimu
Entries 0
Data
Simu

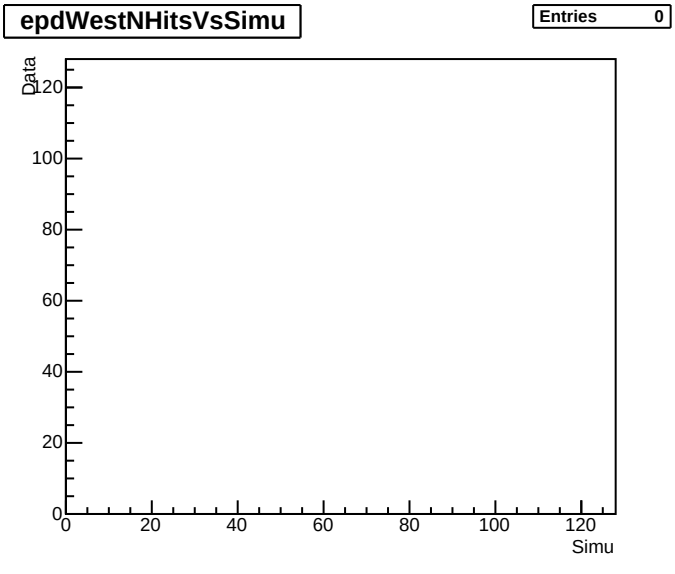

epdWestTac03
Entries 31920

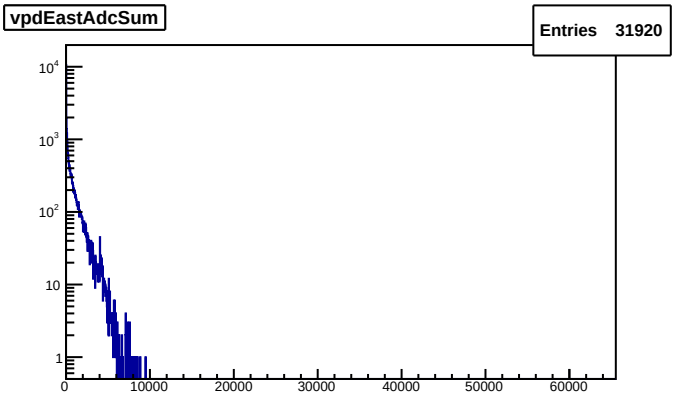

epdWestTac03VsSimu
Entries 0
Data
Simu

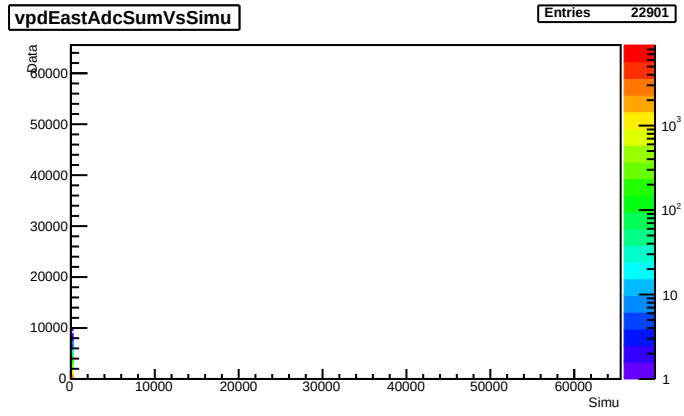

epdWestTac47
Entries 31920

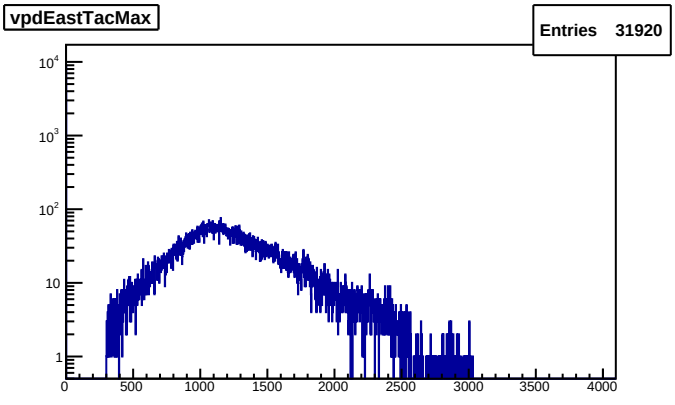

epdWestTac47VsSimu
Entries 0
Data
Simu

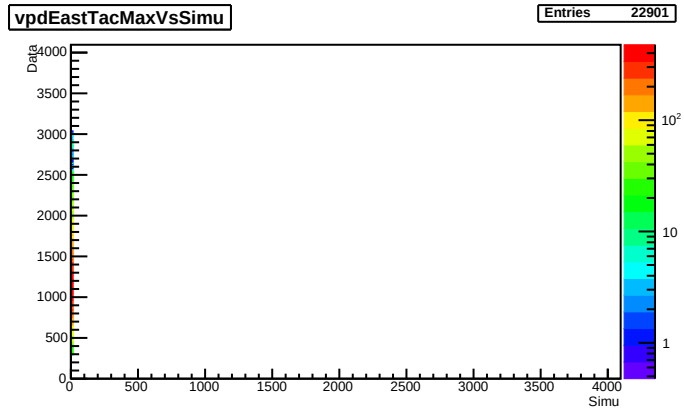

epdWestNHits
Entries 31920

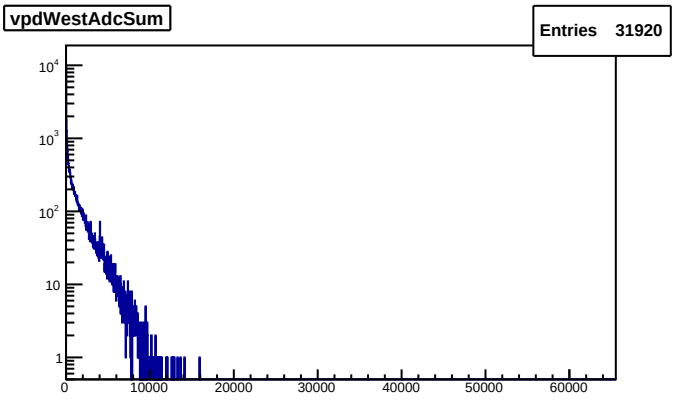

epdWestNHitsVsSimu
Entries 0
Data
Simu

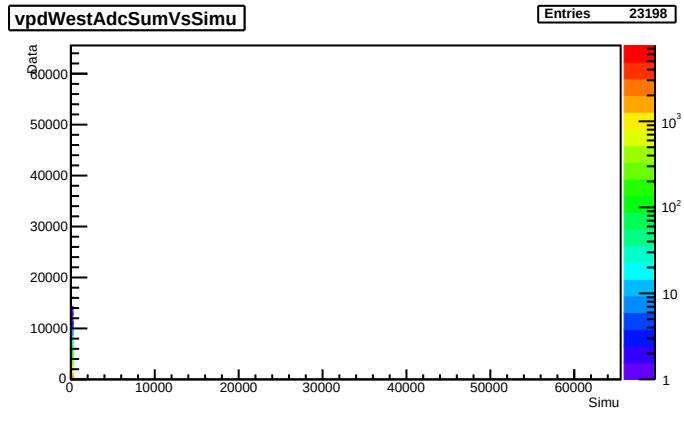

vpdEastAdcSum
Entries 31920

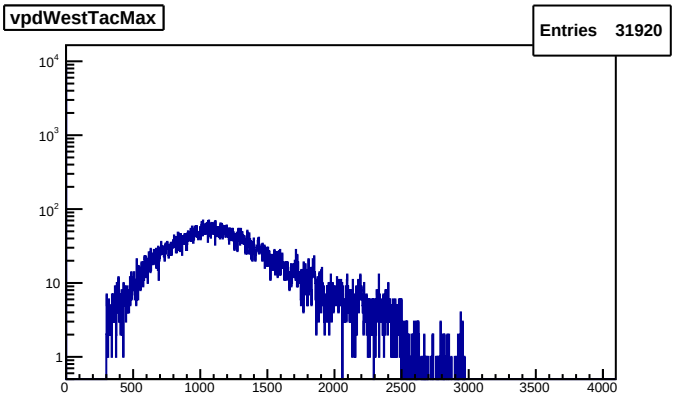

vpdEastAdcSumVsSimu
Entries 22901
Data
Simu

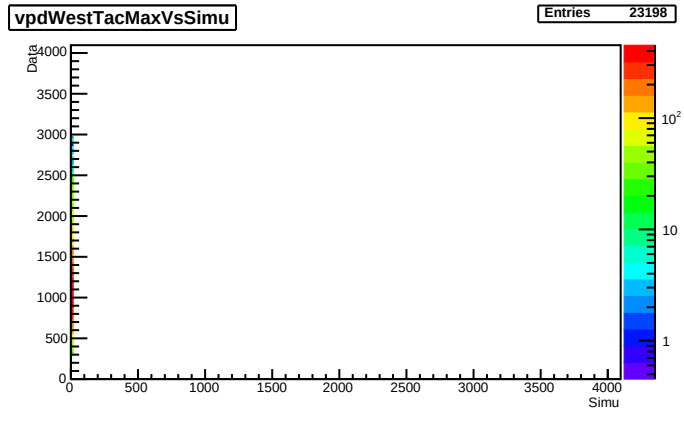

vpdEastTacMax
Entries 31920

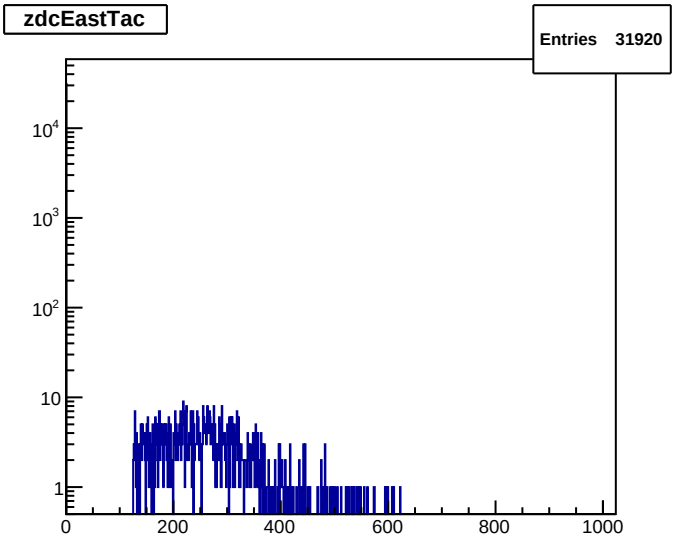

vpdEastTacMaxVsSimu
Entries 22901
Data
Simu

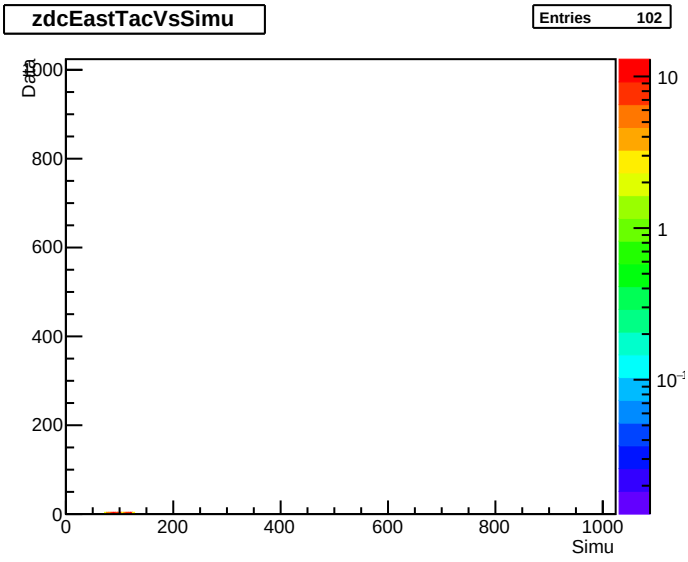

vpdWestAdcSum
Entries 31920

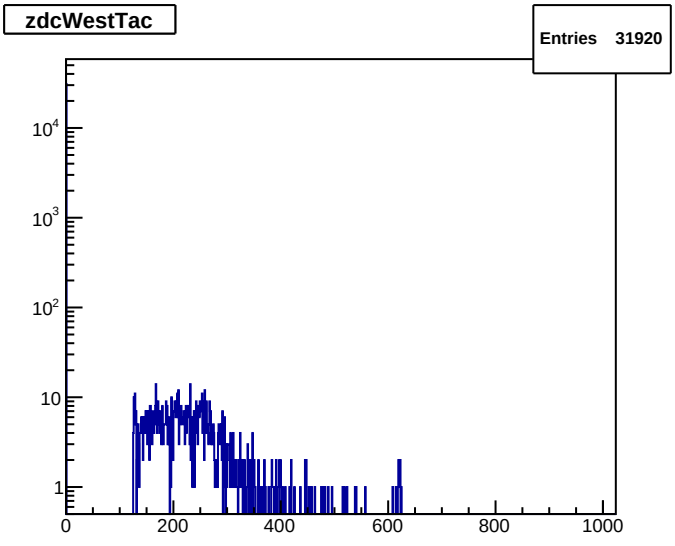

vpdWestAdcSumVsSimu
Entries 23198
Data
Simu

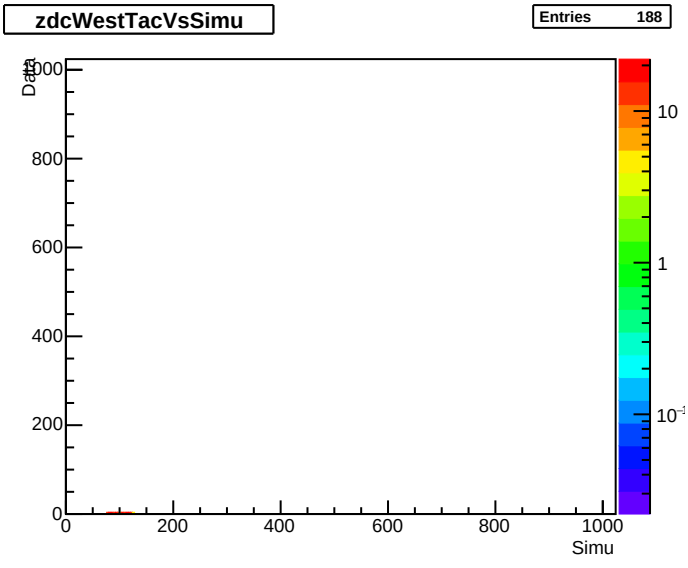

vpdWestTacMax
Entries 31920

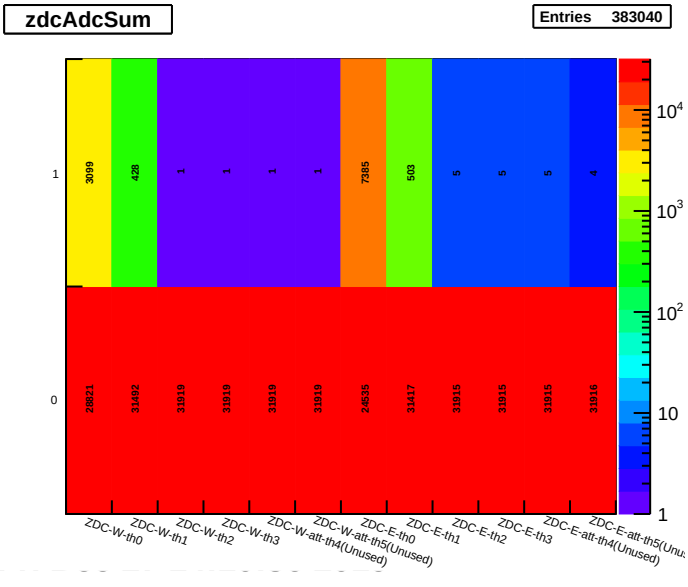

vpdWestTacMaxVsSimu
Entries 23198
Data
Simu

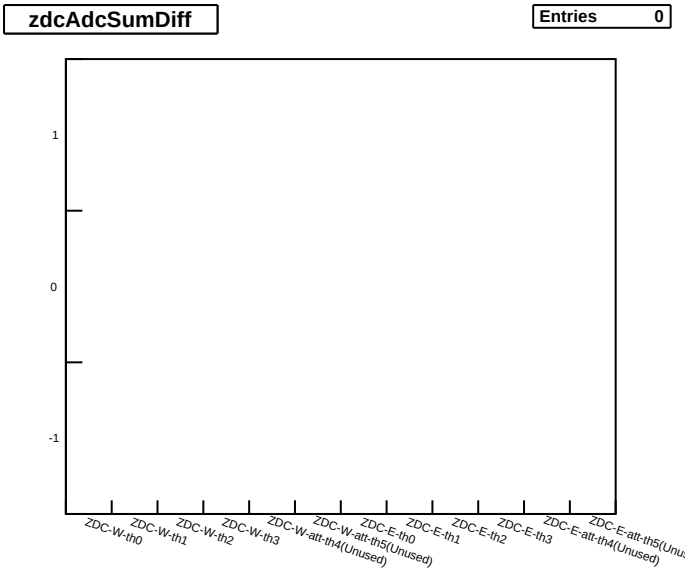

zdcEastTac
Entries 31920

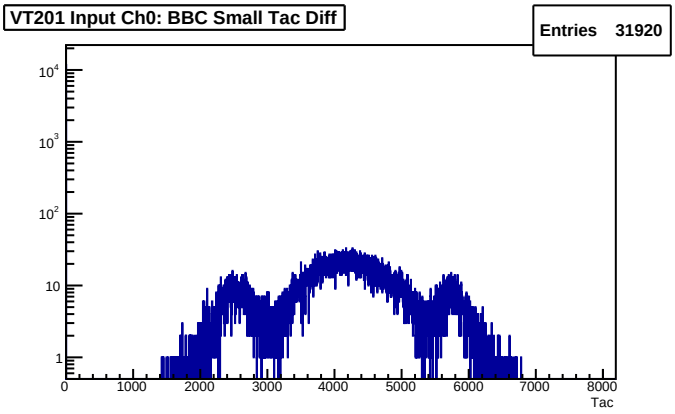

zdcEastTacVsSimu
Entries 102
Data
Simu

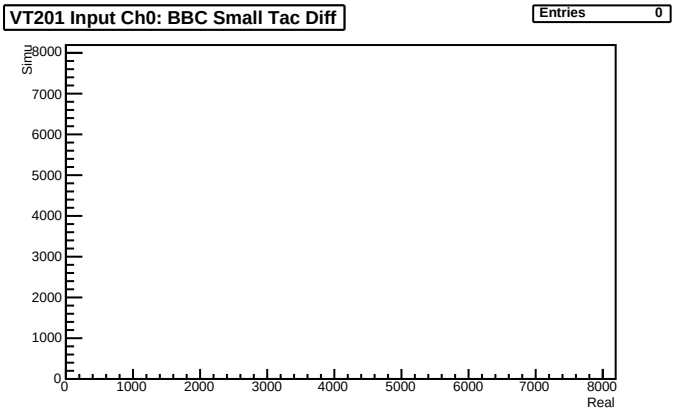

zdcWestTac
Entries 31920

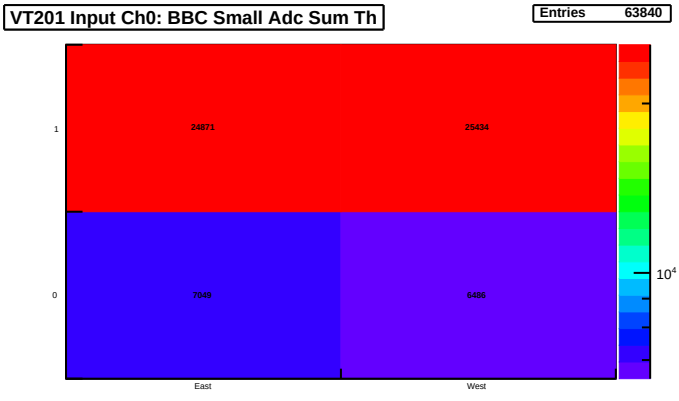

zdcWestTacVsSimu
Entries 188
Data
Simu

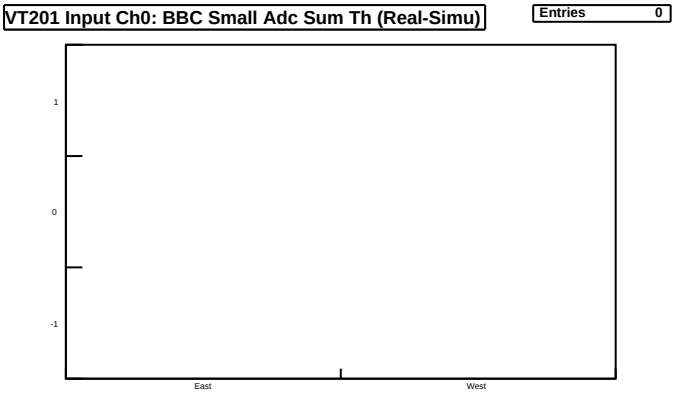

zdcAdcSum
Entries 383040
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

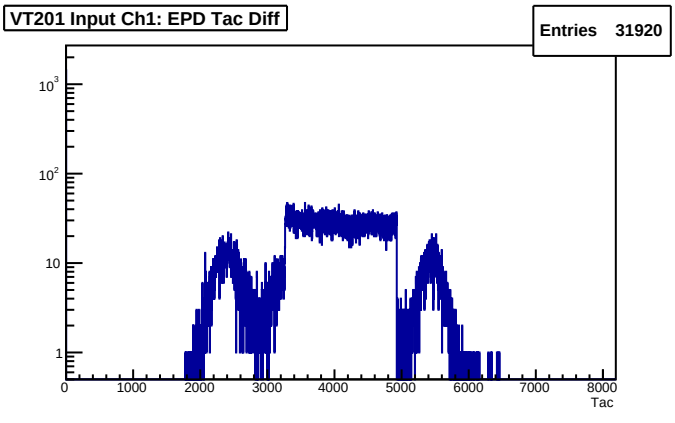

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unus

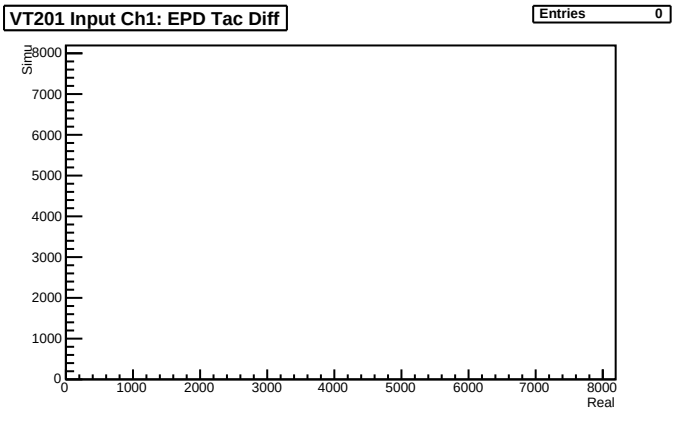

VT201 Input Ch0: BBC Small Tac Diff
Entries 31920
Tac

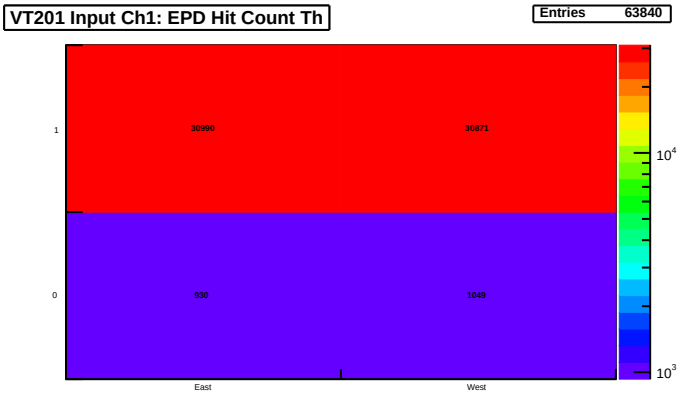

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

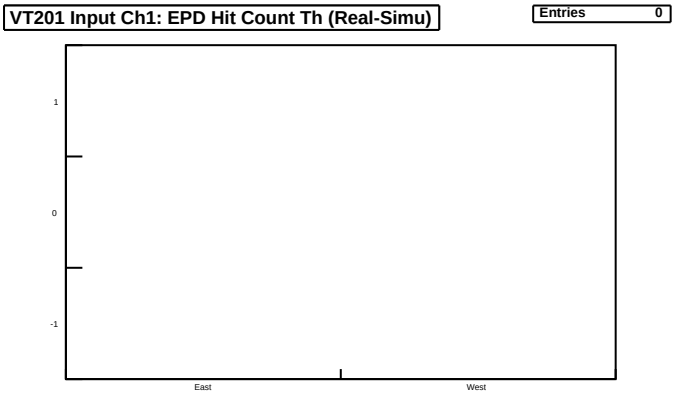

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 63840
24871
25434
7049
6486
East
West

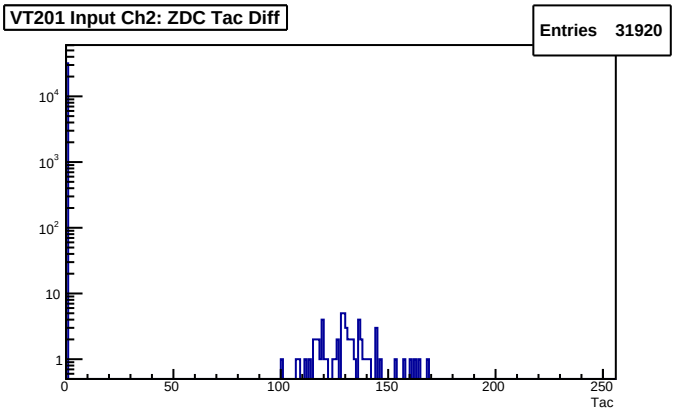

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

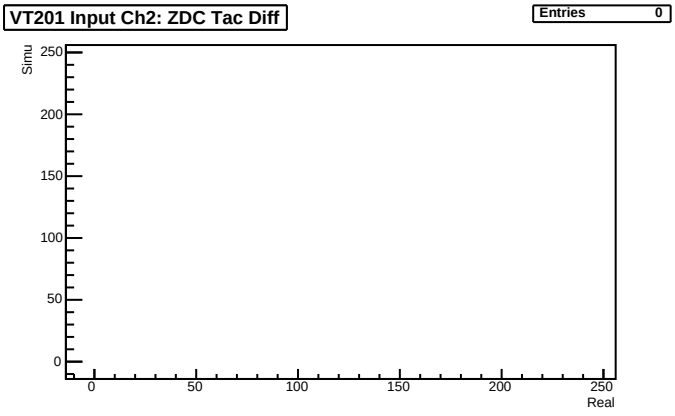

VT201 Input Ch1: EPD Tac Diff
Entries 31920
Tac

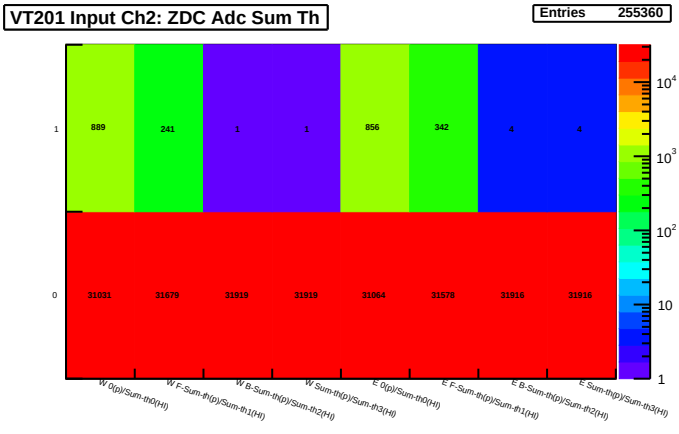

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

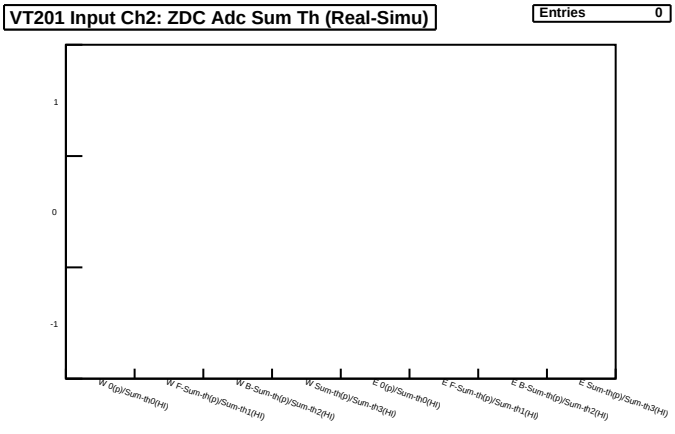

VT201 Input Ch1: EPD Hit Count Th
Entries 63840
30990
30871
930
1049
East
West

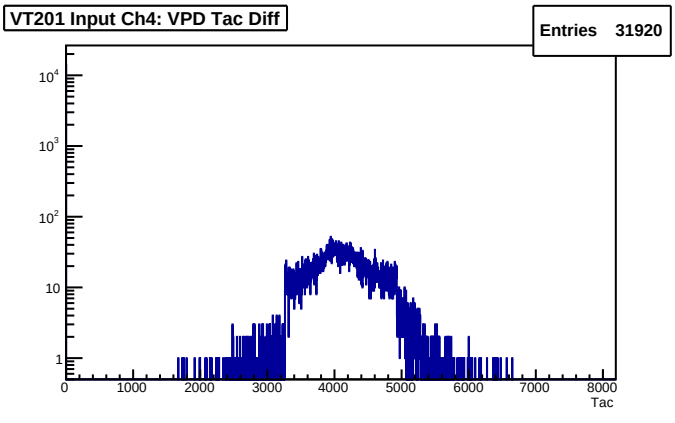

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

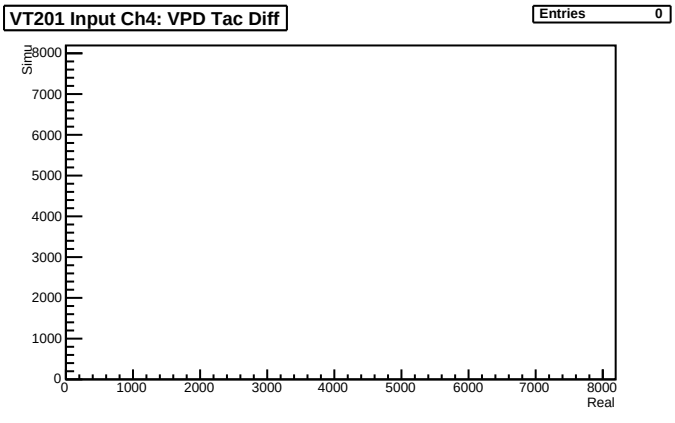

VT201 Input Ch2: ZDC Tac Diff
Entries 31920
Tac

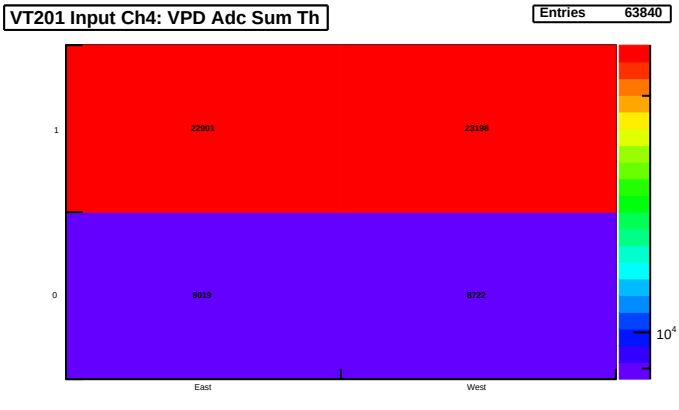

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

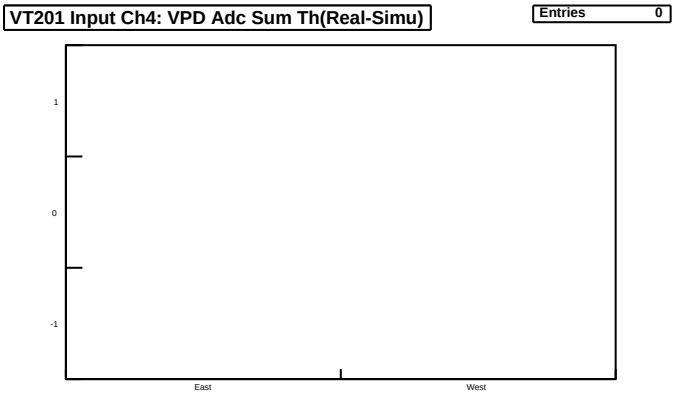

VT201 Input Ch2: ZDC Adc Sum Th
Entries 255360
889
241
1
1
856
342
4
4
31031
31679
31919
31919
31064
31578
31916
31916
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

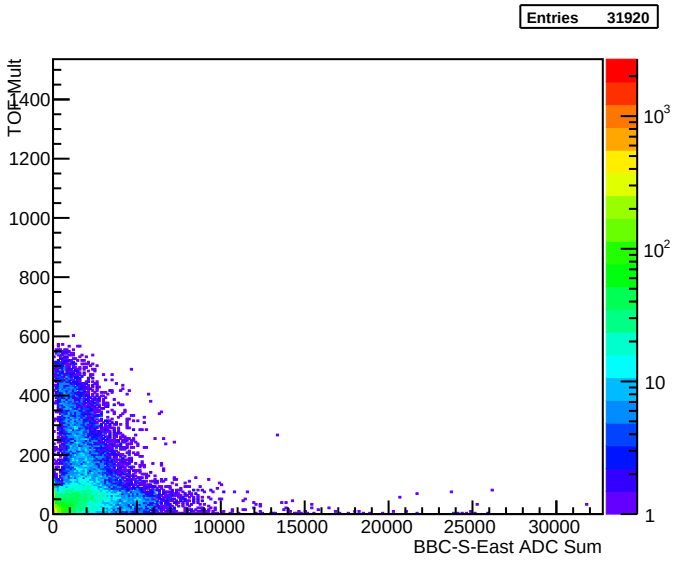

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

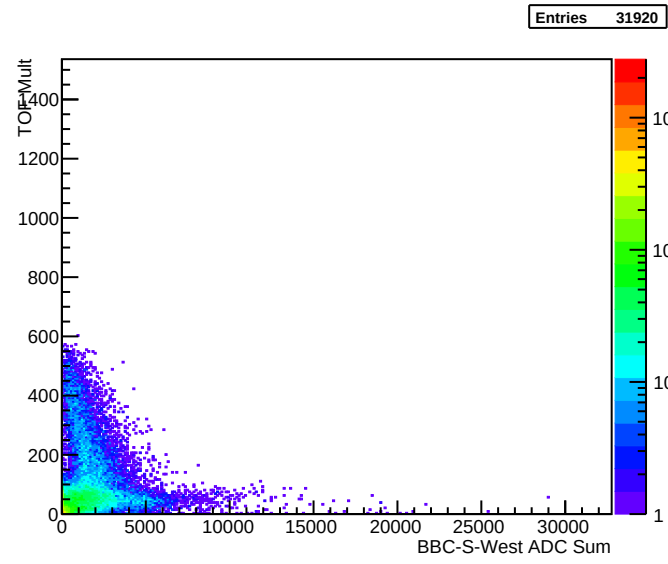

VT201 Input Ch4: VPD Tac Diff
Entries 31920
Tac

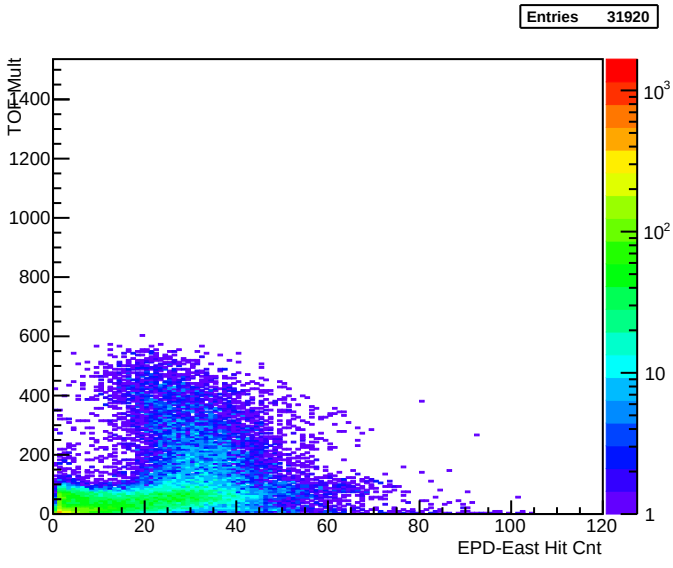

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

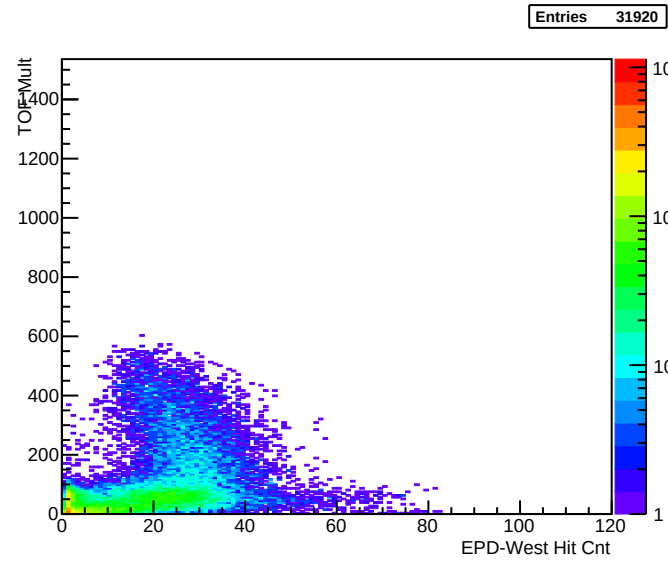

VT201 Input Ch4: VPD Adc Sum Th
Entries 63840
22901
23198
9019
8722
East
West

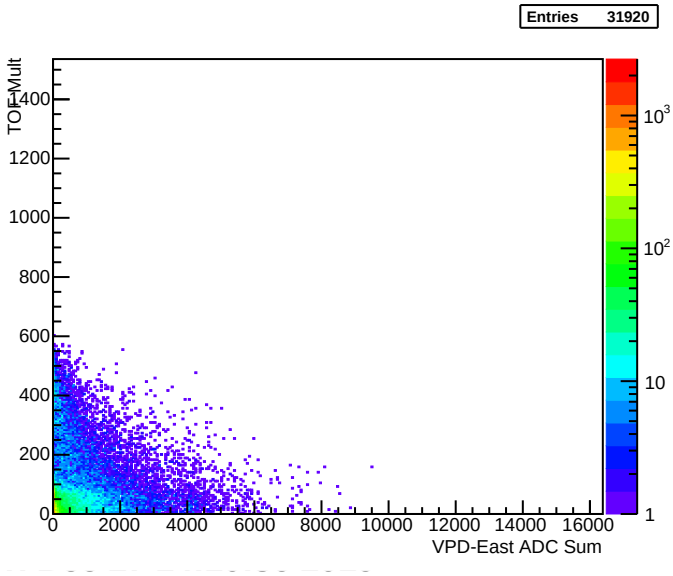

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

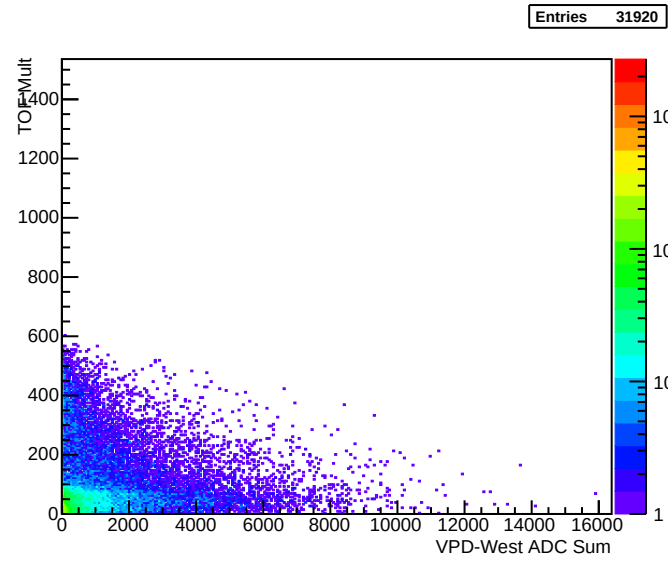

Entries 31920
TOF-Mult
BBC-S-East ADC Sum

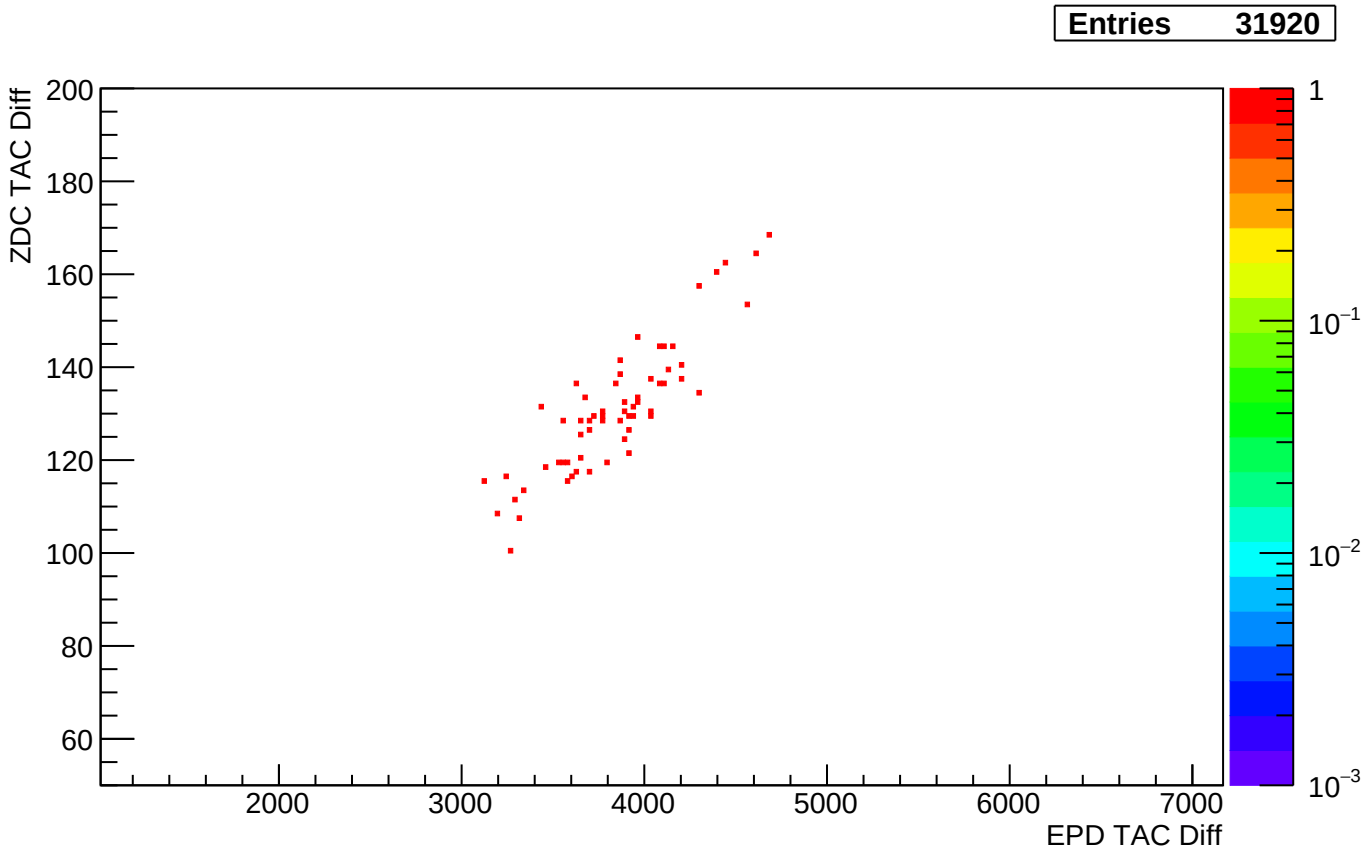

Entries 31920
TOF-Mult
BBC-S-West ADC Sum

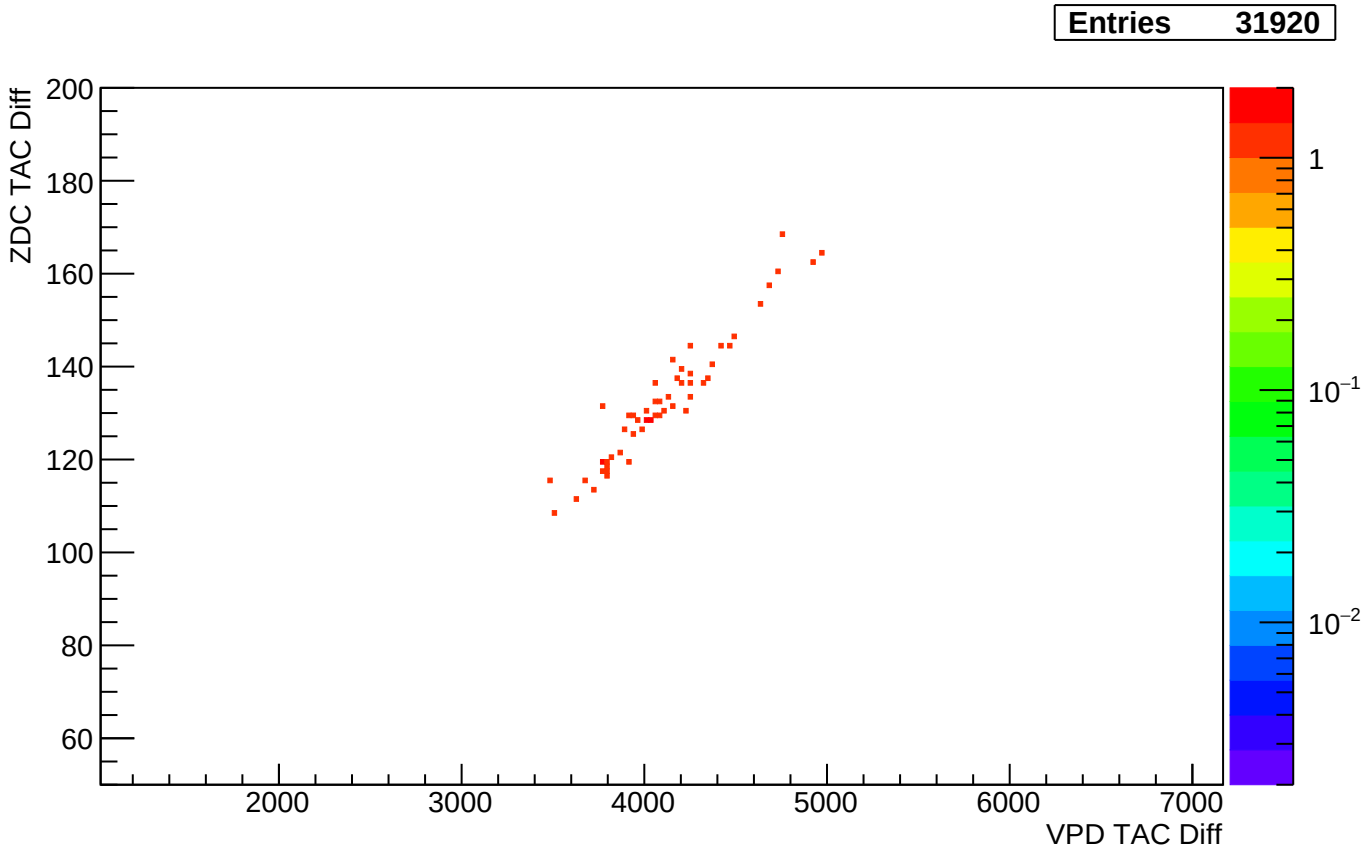

Entries 31920
TOF-Mult
EPD-East Hit Cnt

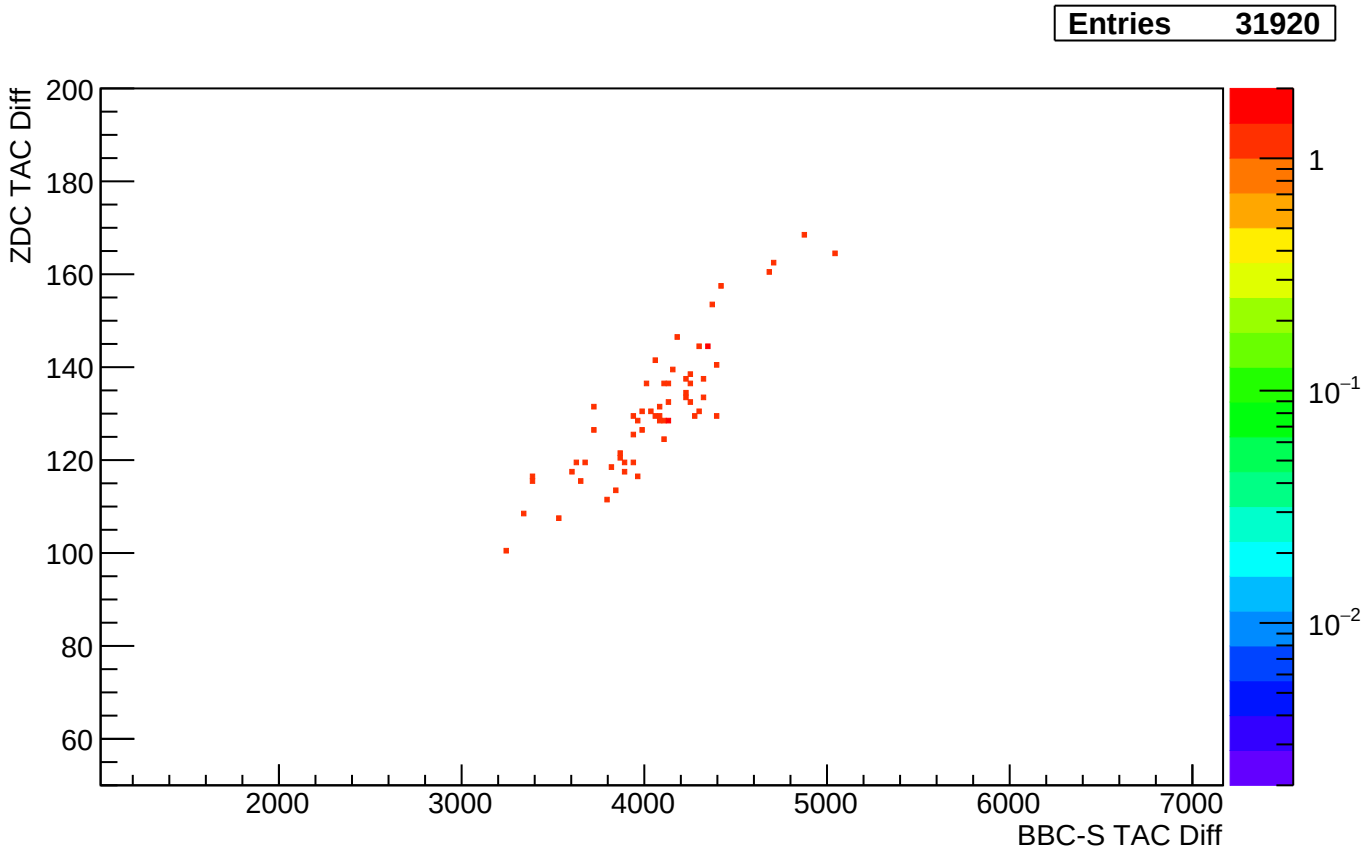

Entries 31920
TOF-Mult
EPD-West Hit Cnt

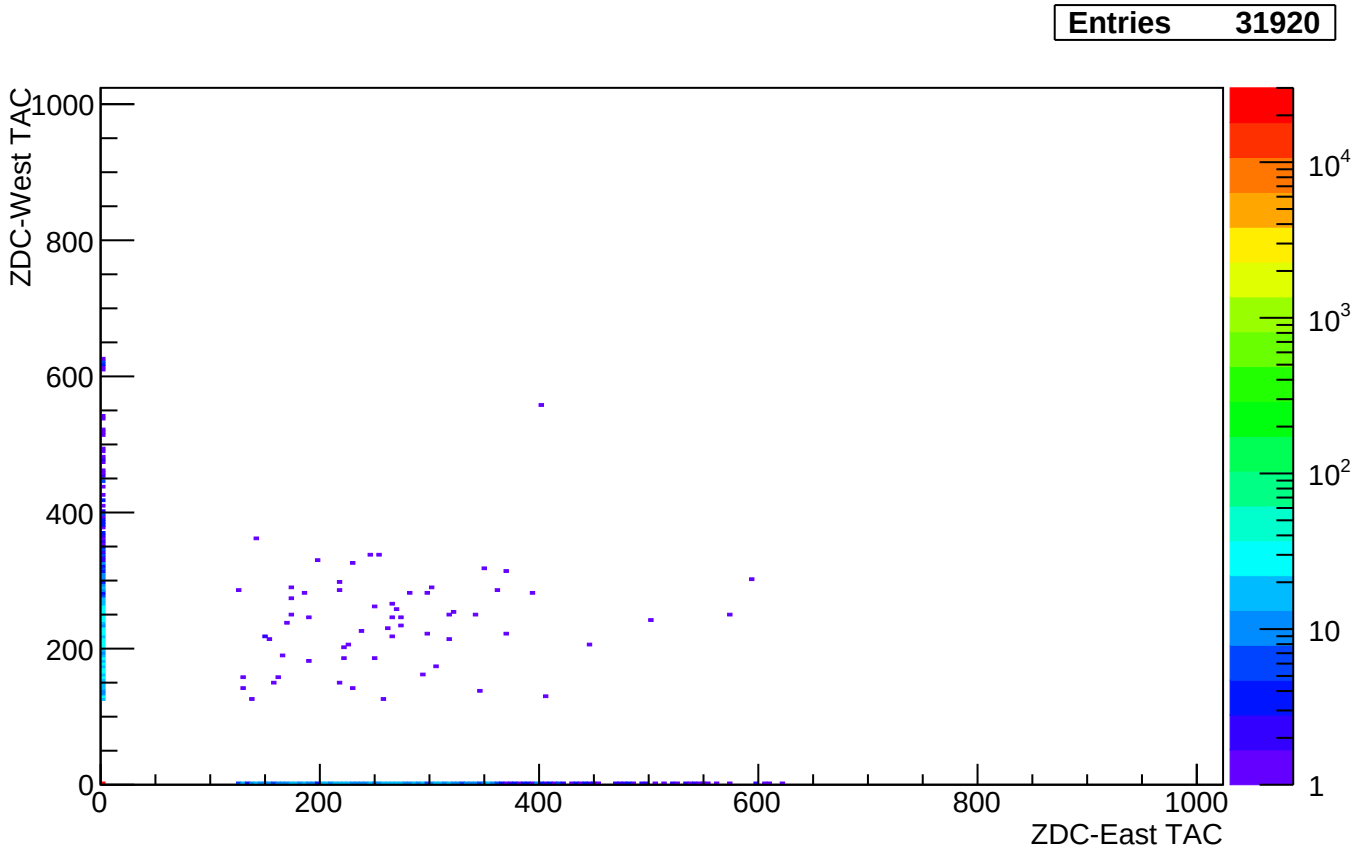

Entries 31920
TOF-Mult
VPD-East ADC Sum

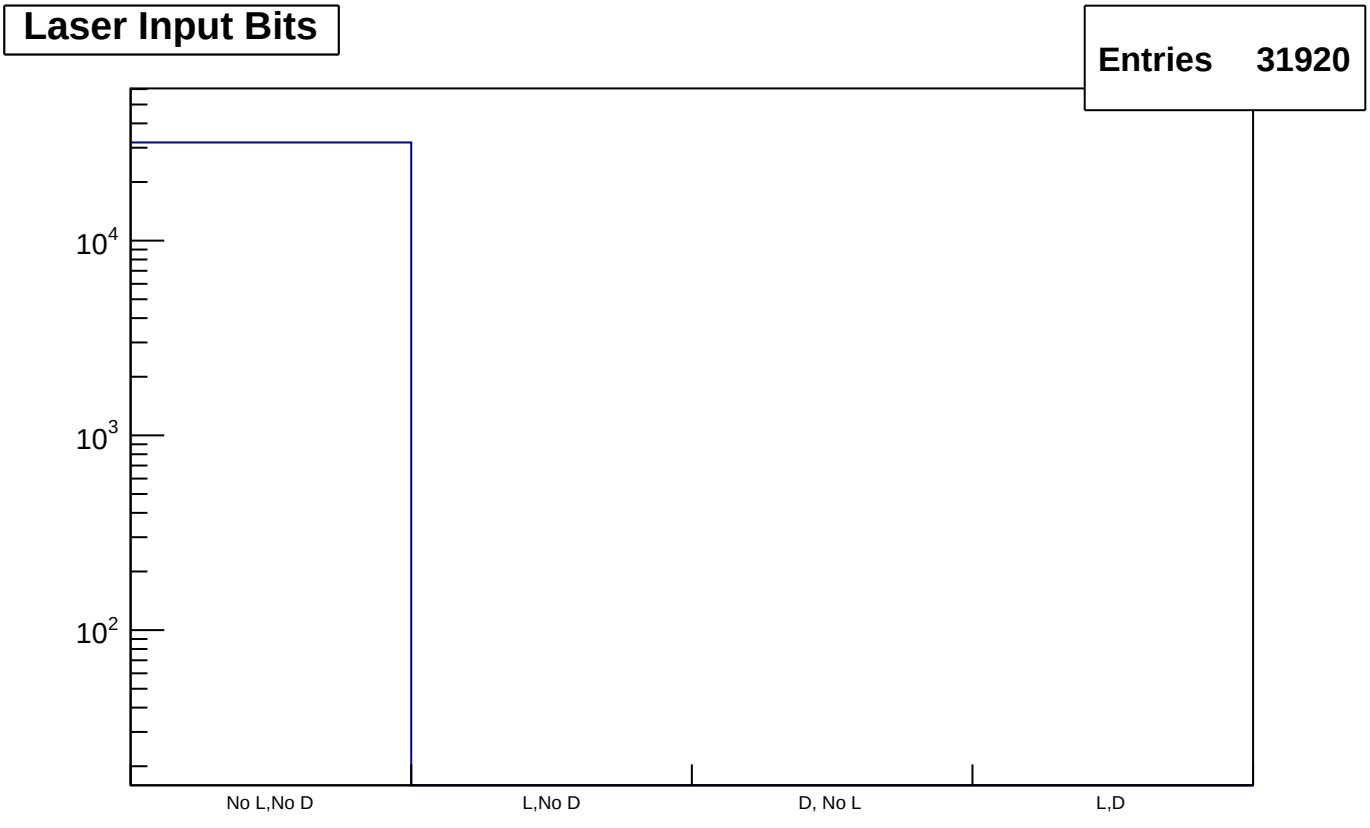

Entries 31920
TOF-Mult
VPD-West ADC Sum

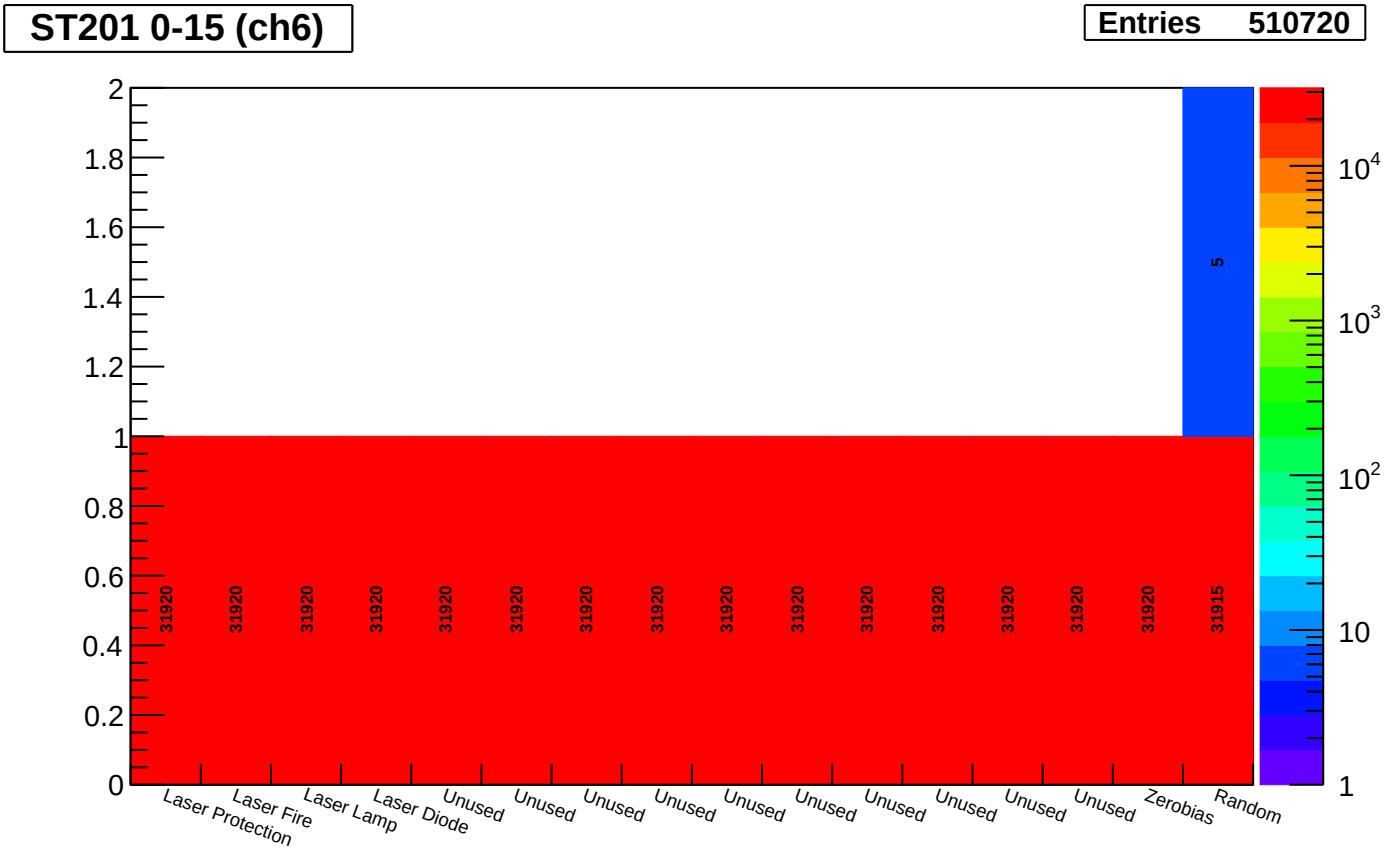

Entries 31920
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

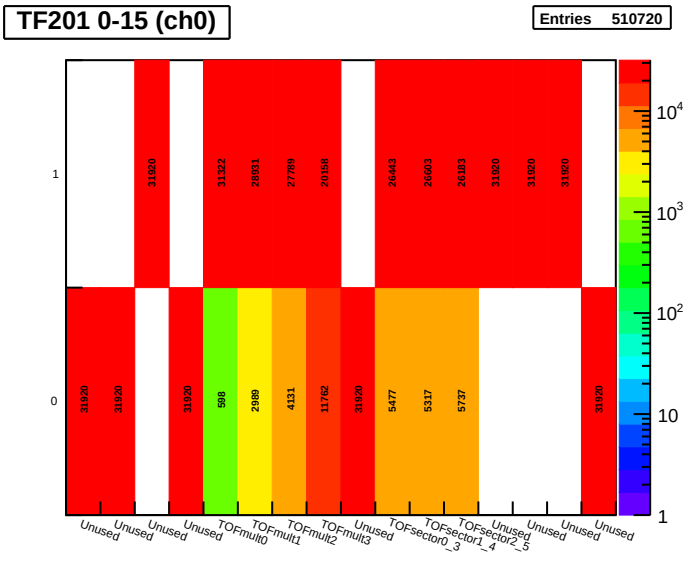

Entries 31920
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

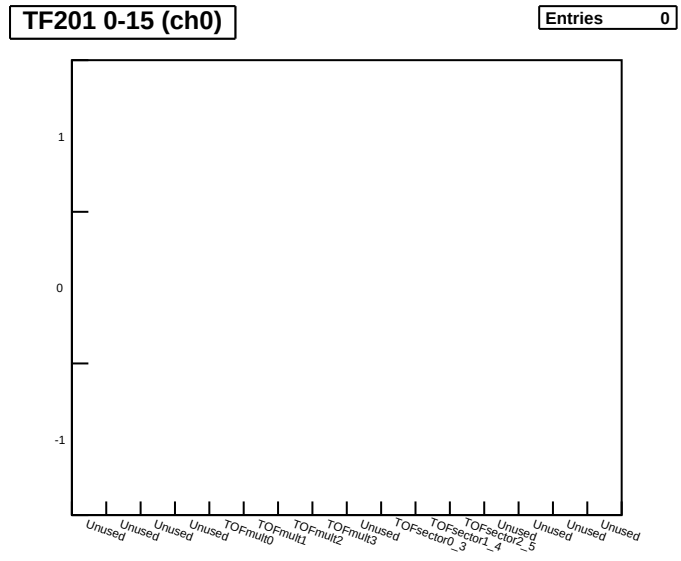

Entries 31920
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

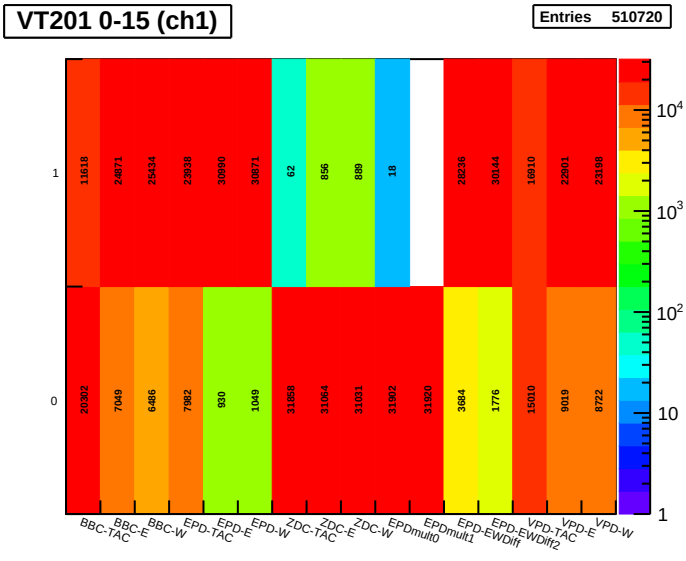

Entries 31920
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

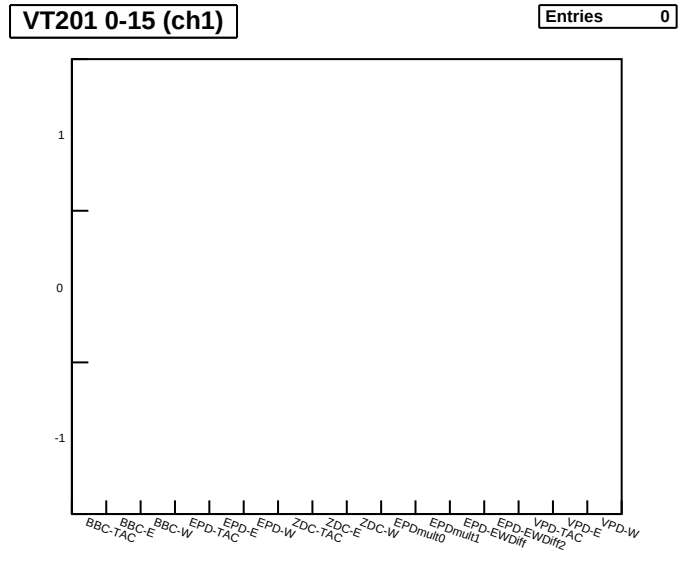

Laser Input Bits
Entries 31920
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

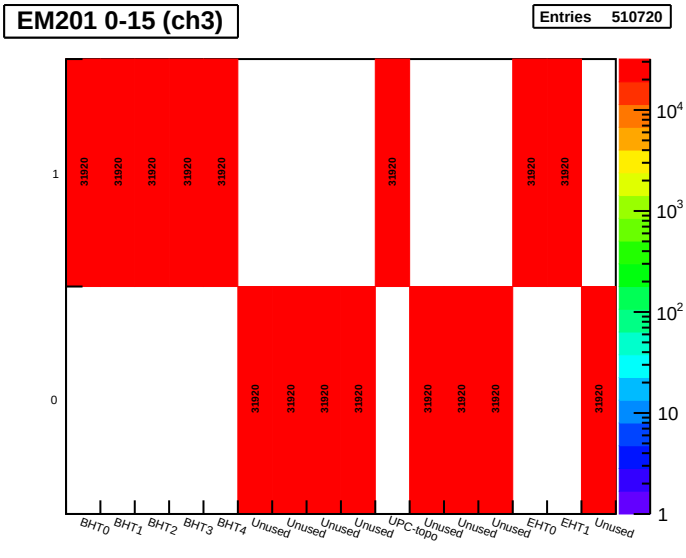

ST201 0-15 (ch6)
Entries 510720
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31915
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

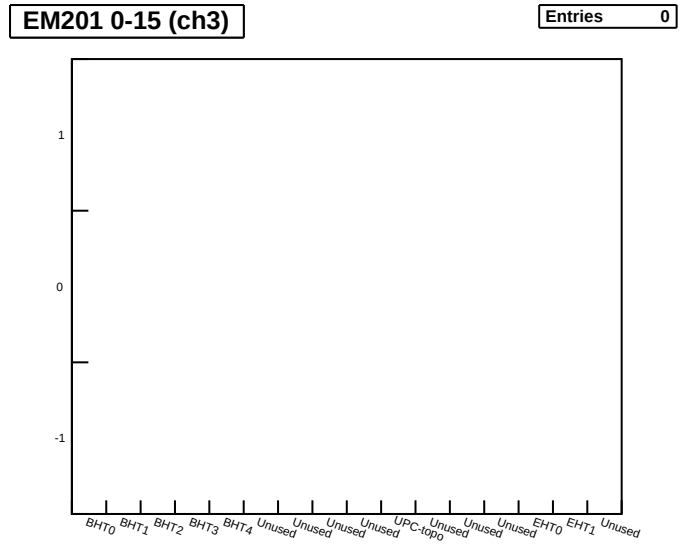

TF201 0-15 (ch0)
Entries 510720
1
0
31920
31322
28931
27789
20158
26443
26603
26183
31920
31920
31920
31920
31920
598
2989
4131
11762
31920
5477
5317
5737
31920
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 510720
1
0
11618
24871
25434
28938
30990
30871
62
856
889
18
28236
30144
16910
22901
23198
20302
7049
6486
7982
930
1049
31858
31064
31031
31902
31920
3684
1776
15010
9019
8722
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 510720
1
0
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
31920
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1