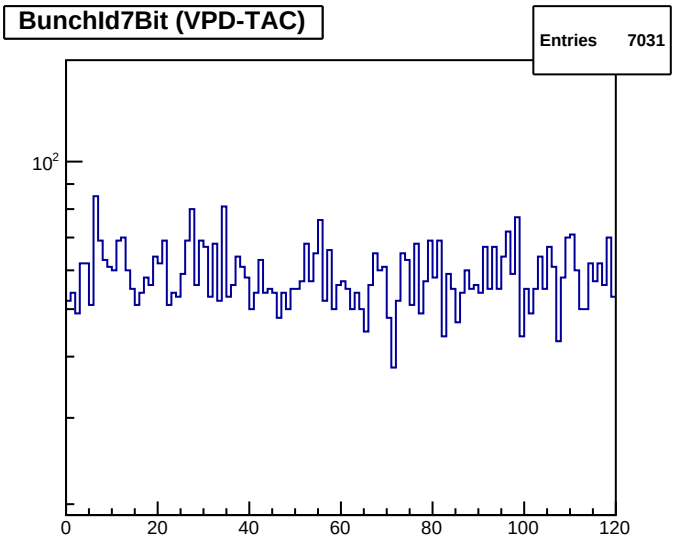
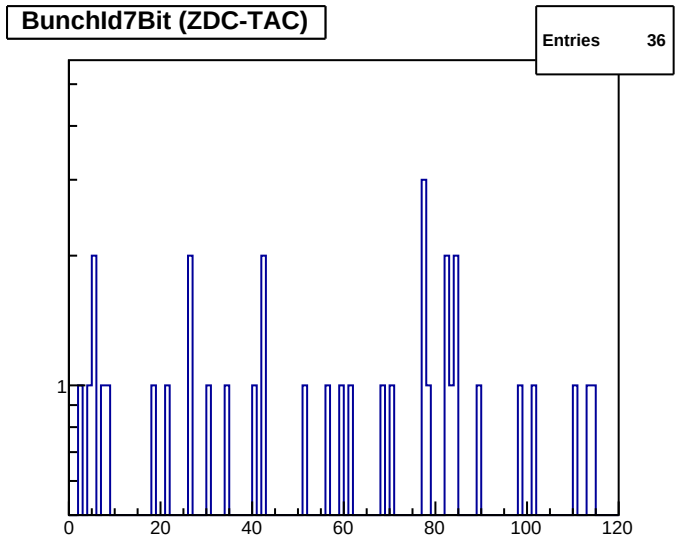
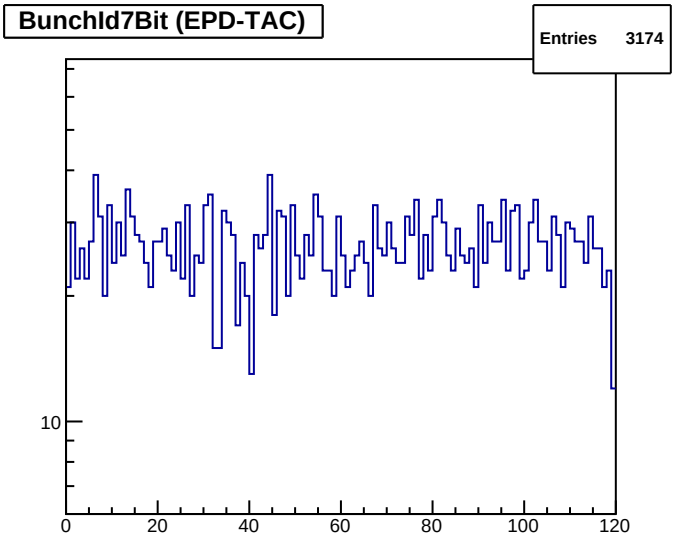
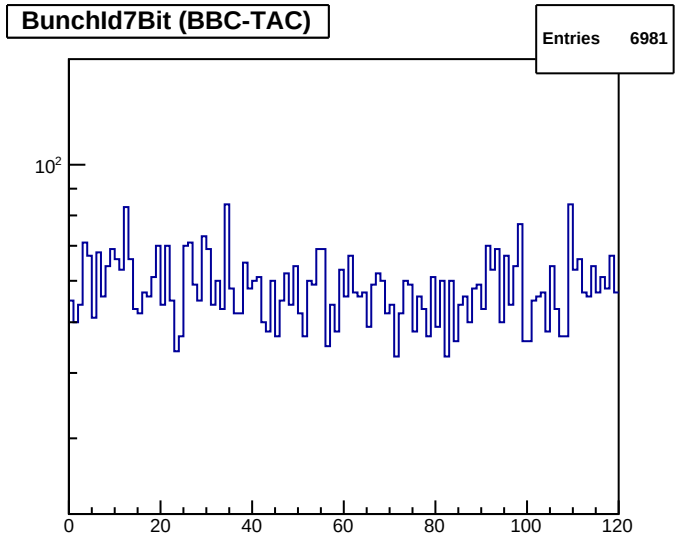
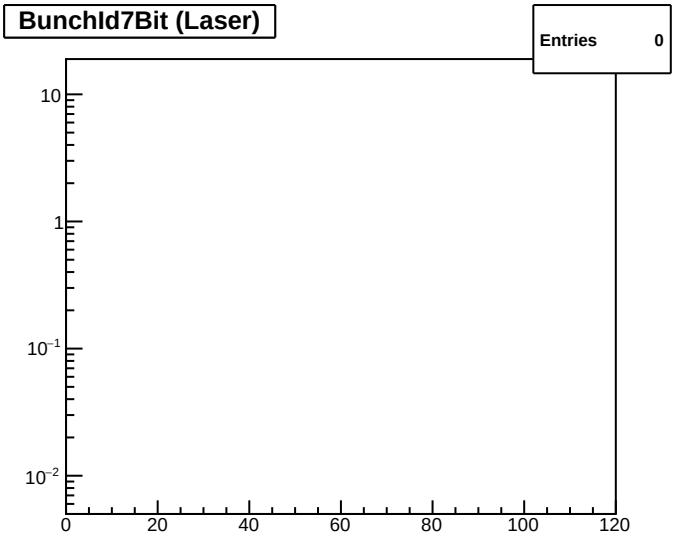
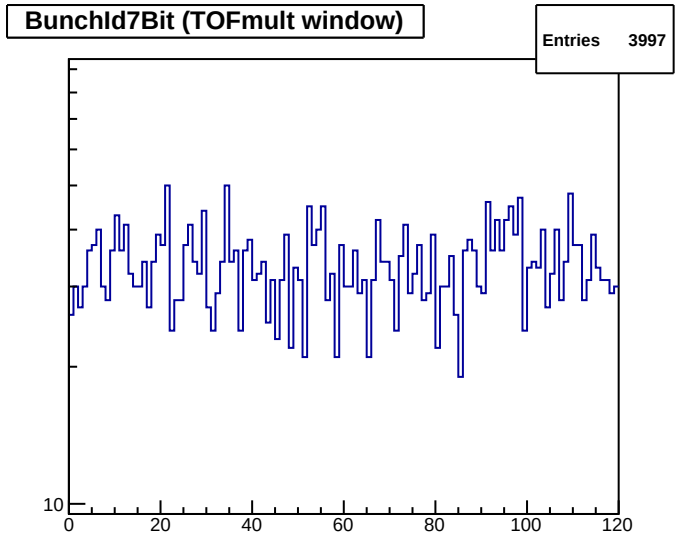

BunchId7Bit (VPD-TAC)
Entries 7031
10^2
0 20 40 60 80 100 120

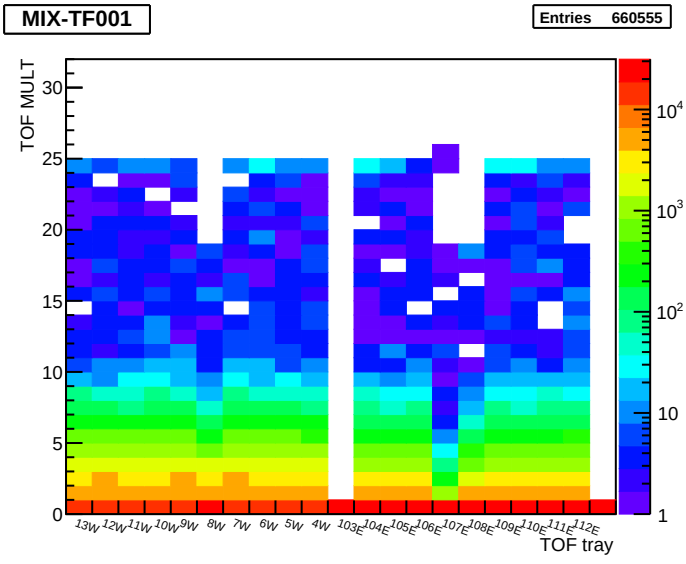

BunchId7Bit (ZDC-TAC)
Entries 36
1
0 20 40 60 80 100 120

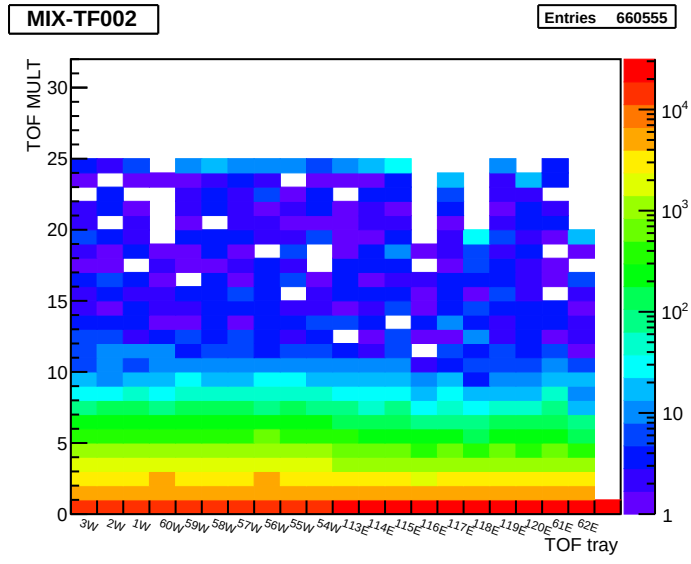

BunchId7Bit (EPD-TAC)
Entries 3174
10
0 20 40 60 80 100 120

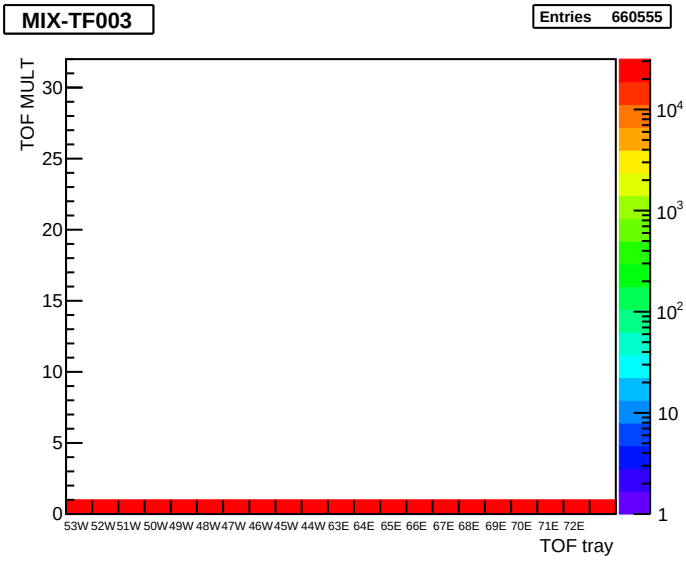

BunchId7Bit (BBC-TAC)
Entries 6981
10^2
0 20 40 60 80 100 120

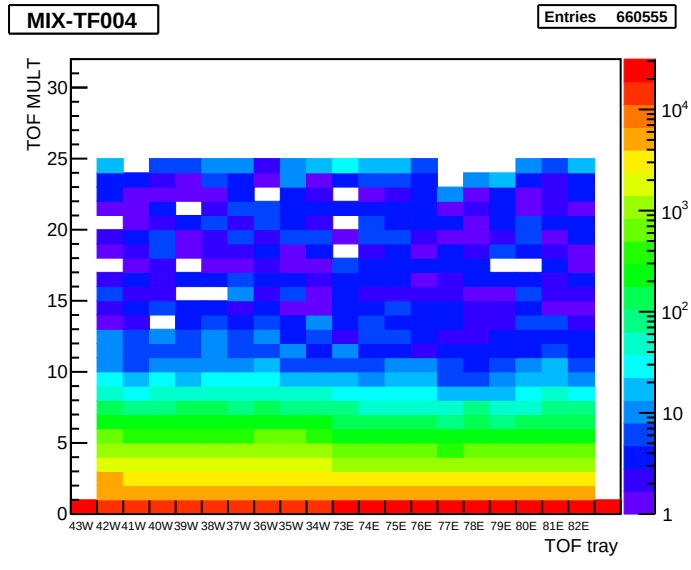

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

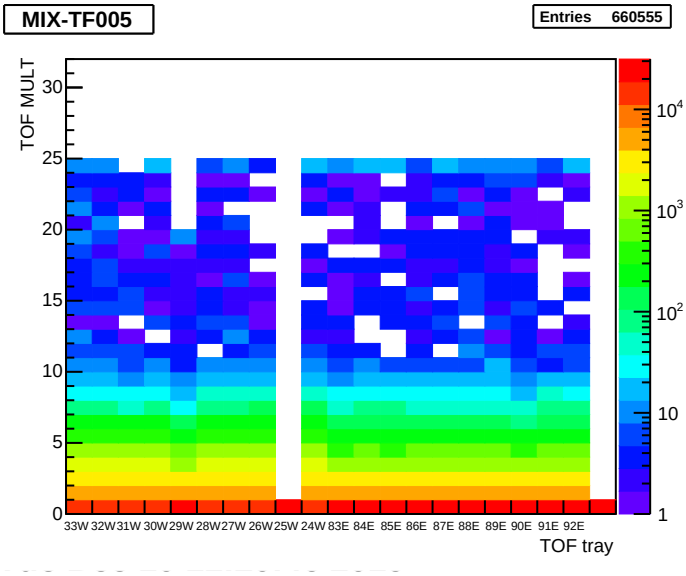

BunchId7Bit (TOFmult window)
Entries 3997
10
0 20 40 60 80 100 120

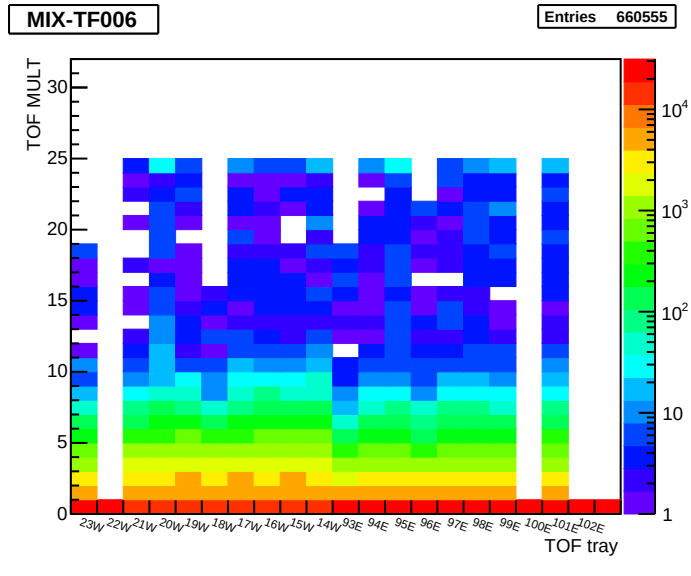

MIX-TF001
Entries 660555
TOF MULT
TOF tray

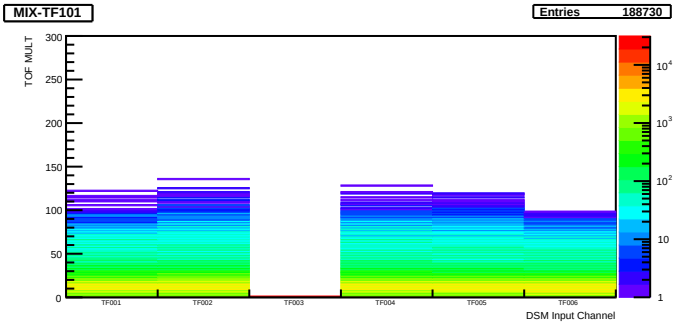

MIX-TF002
Entries 660555
TOF MULT
TOF tray

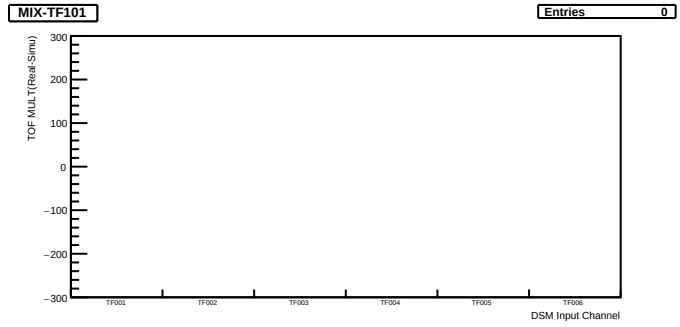

MIX-TF003
Entries 660555
TOF MULT
TOF tray

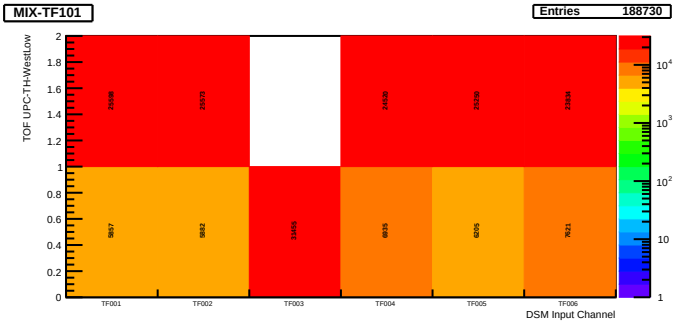

MIX-TF004
Entries 660555
TOF MULT
TOF tray

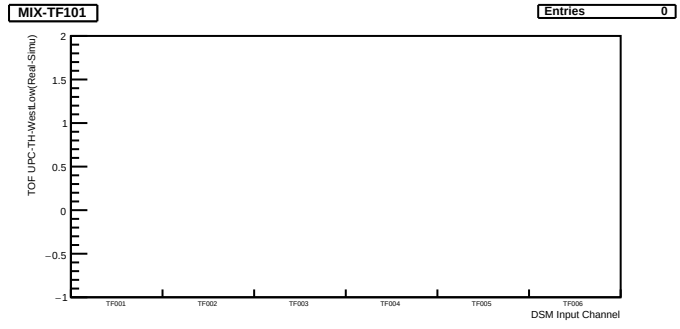

MIX-TF005
Entries 660555
TOF MULT
TOF tray

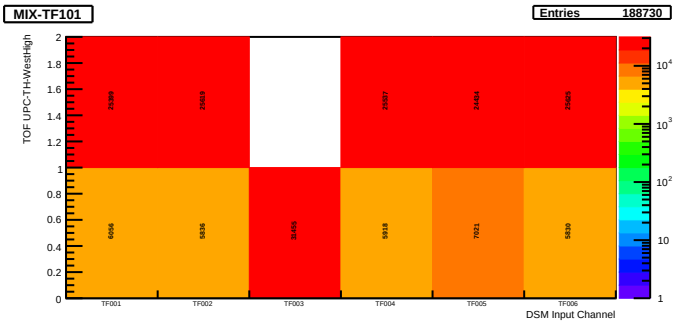

MIX-TF006
Entries 660555
TOF MULT
TOF tray

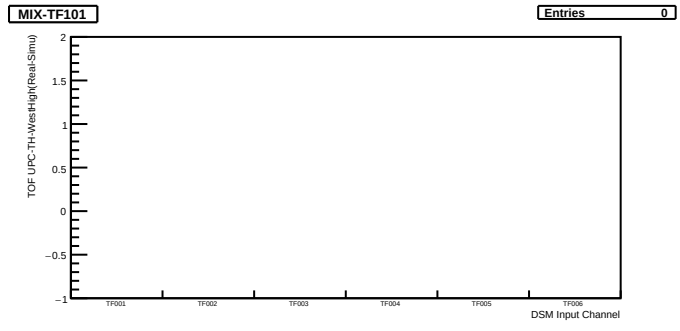

MIX-TF101
Entries 188730
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

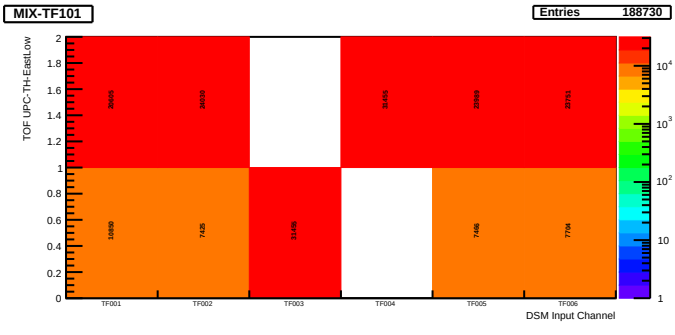

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

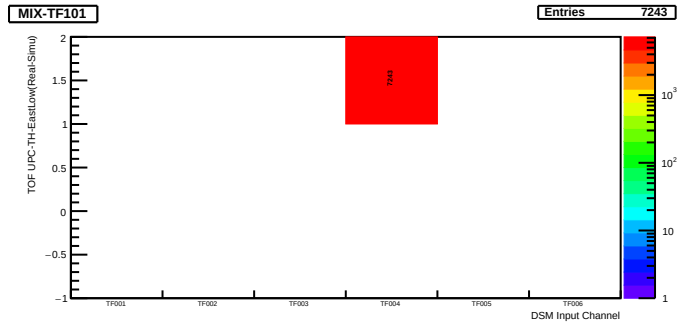

MIX-TF101
Entries 188730
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

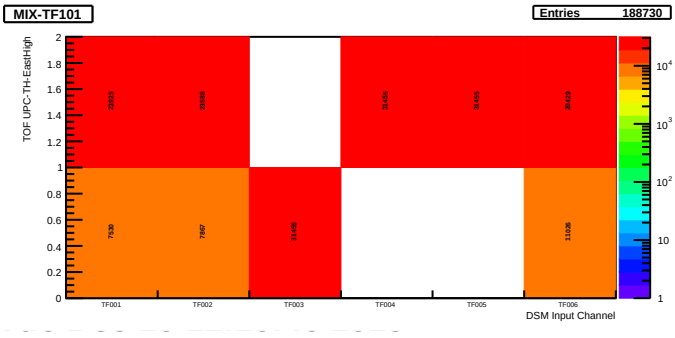

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

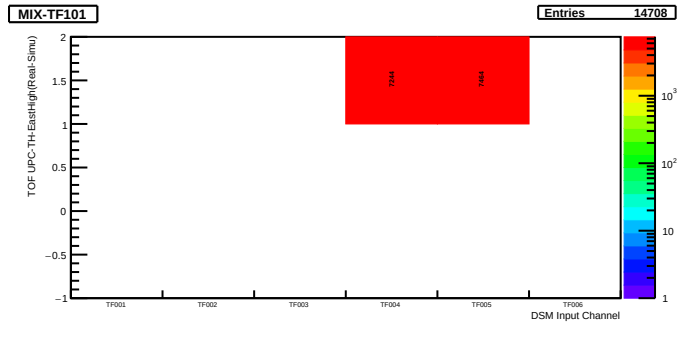

MIX-TF101
Entries 188730
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

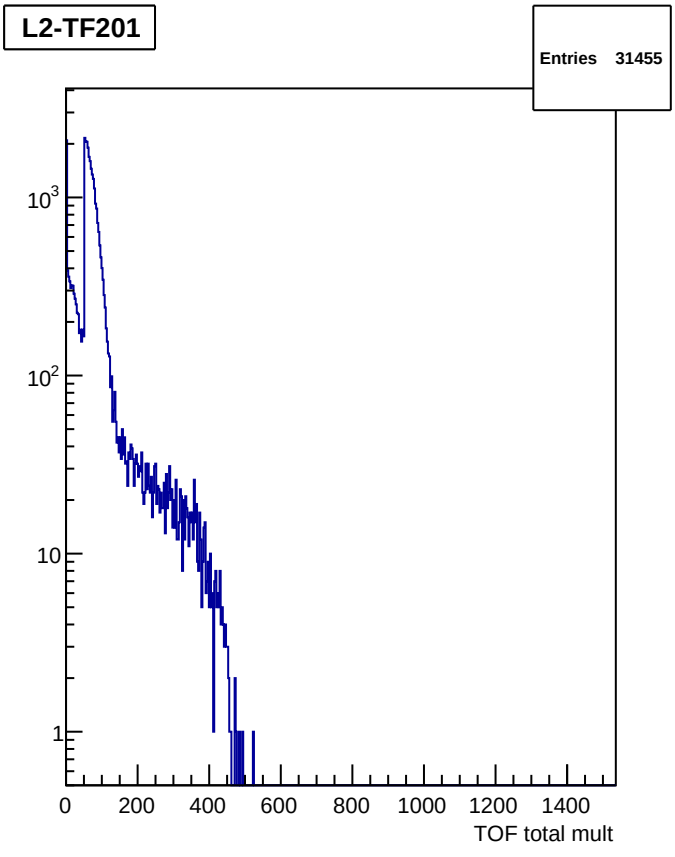

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

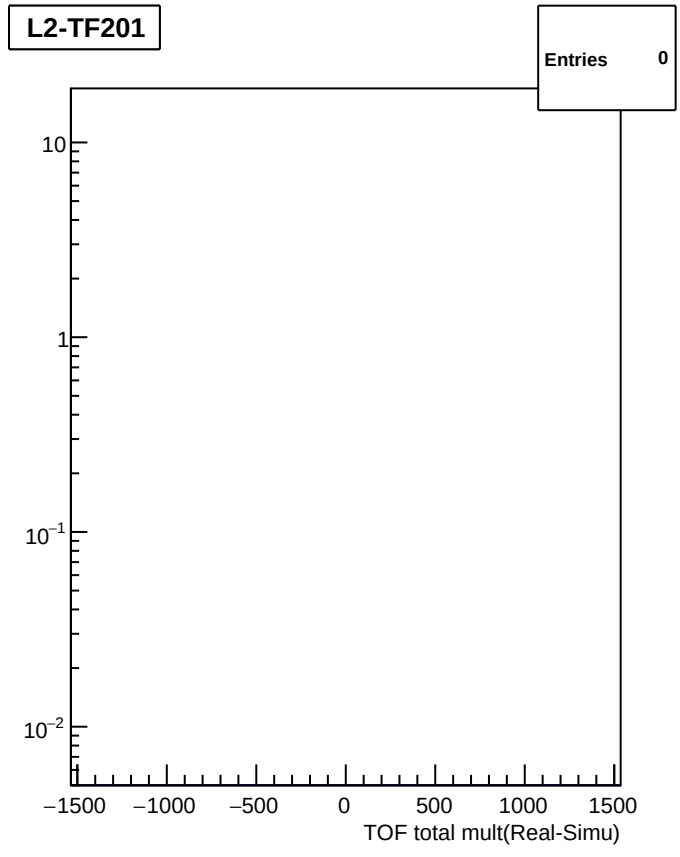

MIX-TF101
Entries 188730
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

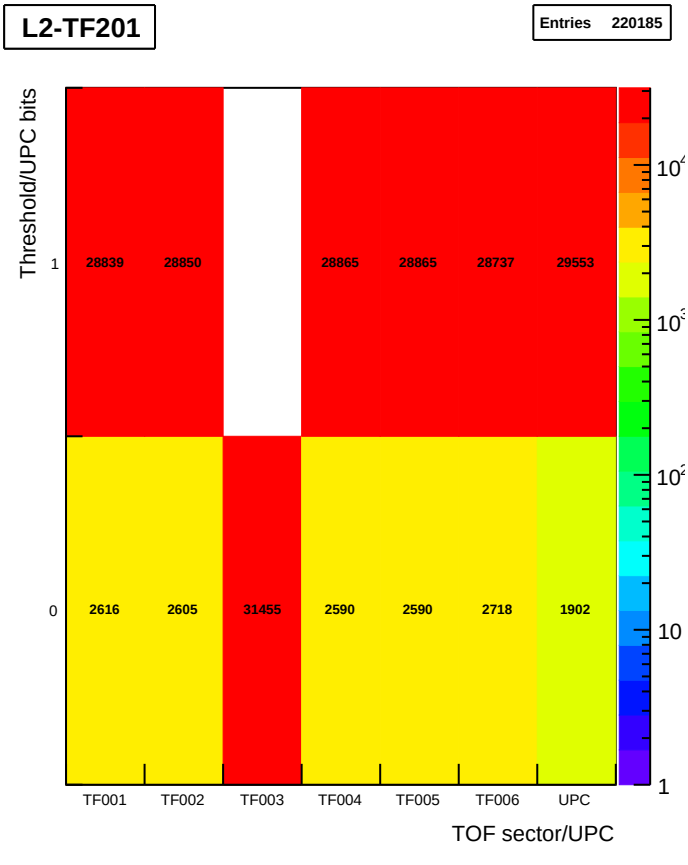

MIX-TF101
Entries 7243
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

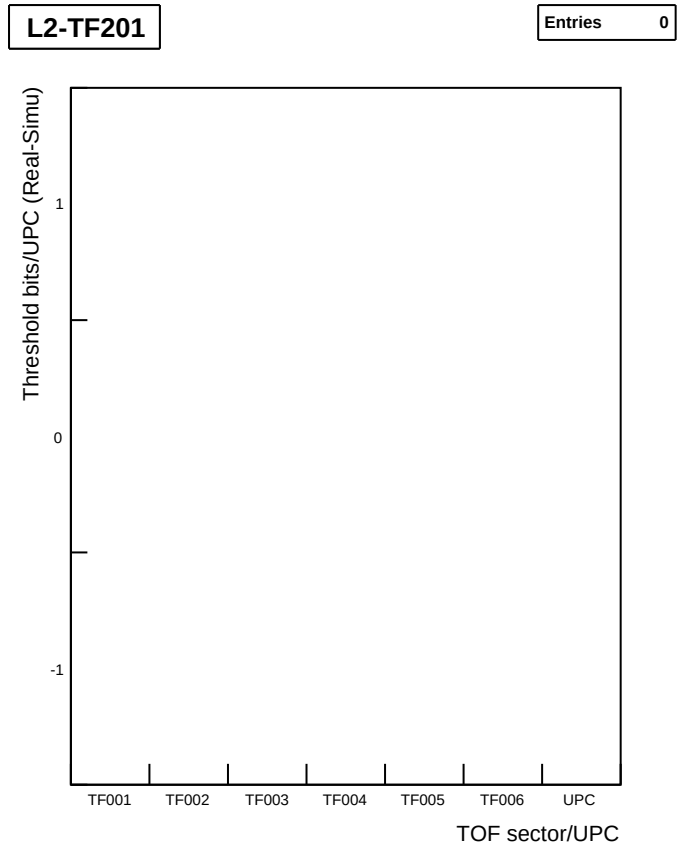

MIX-TF101
Entries 188730
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

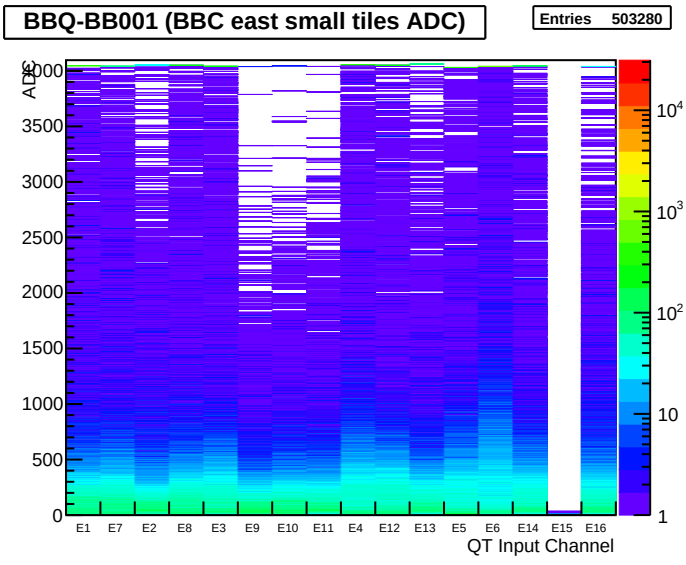

MIX-TF101
Entries 14708
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

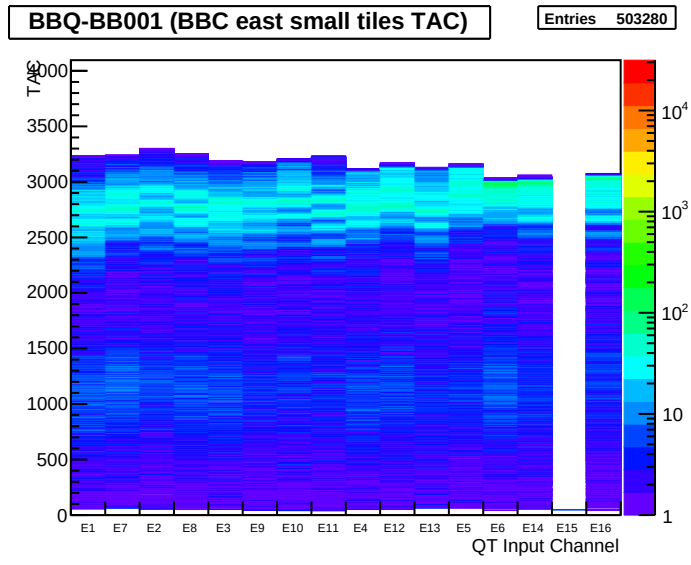

L2-TF201
Entries 31455
TOF total mult

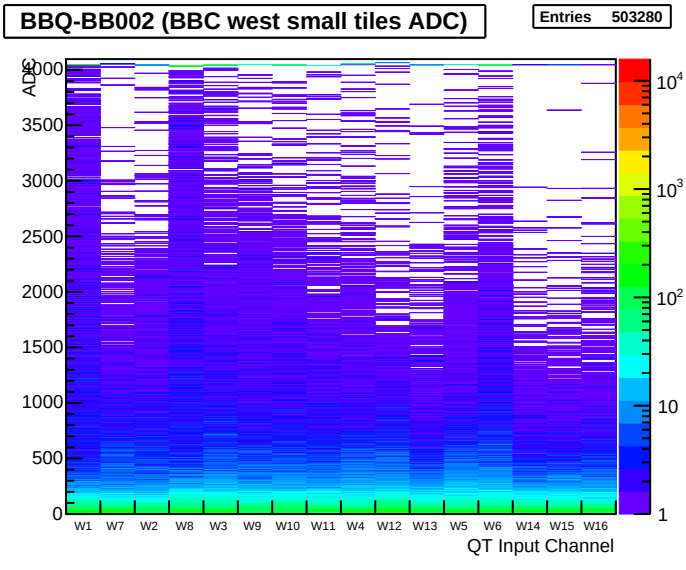

L2-TF201
Entries 0
TOF total mult(Real-Simu)

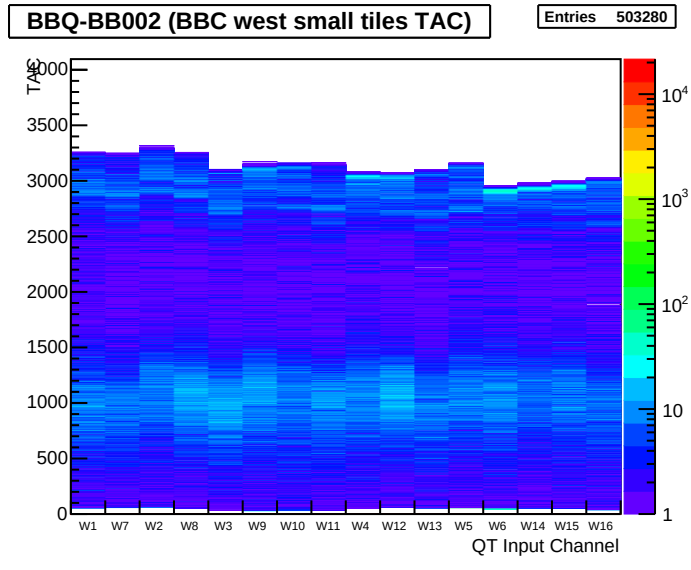

L2-TF201
Entries 220185
Threshold/UPC bits
28839
28850
28865
28865
28737
29553
2616
2605
31455
2590
2590
2718
1902
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

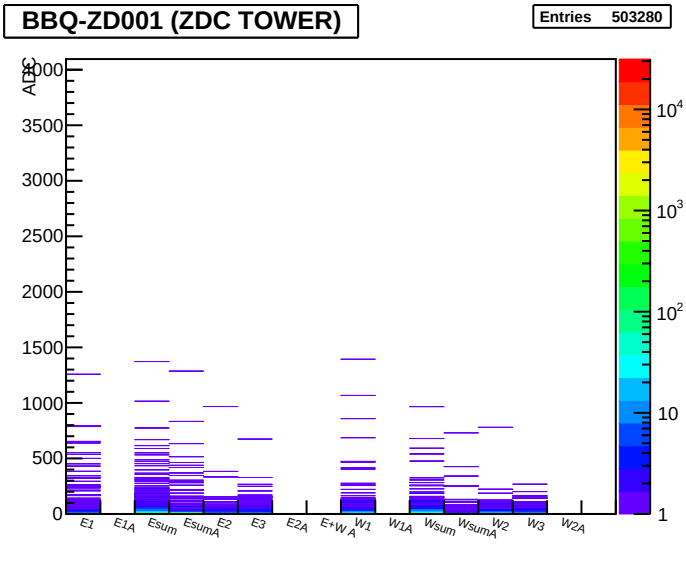

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

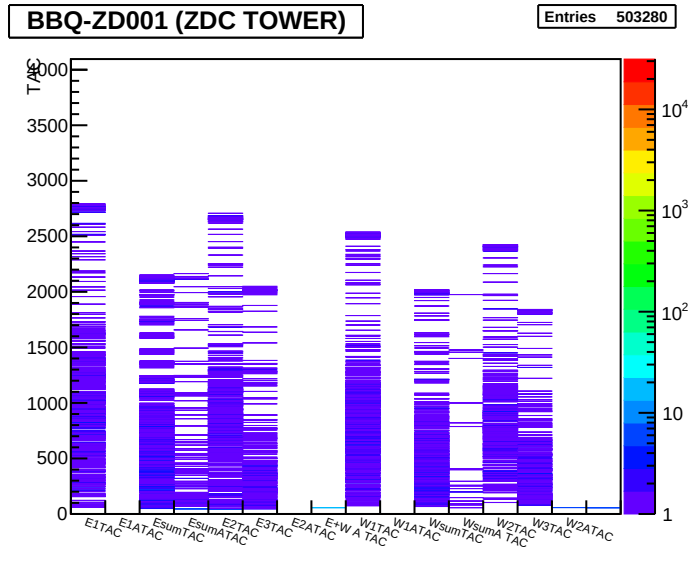

BBQ-BB001 (BBC east small tiles ADC)
Entries 503280
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

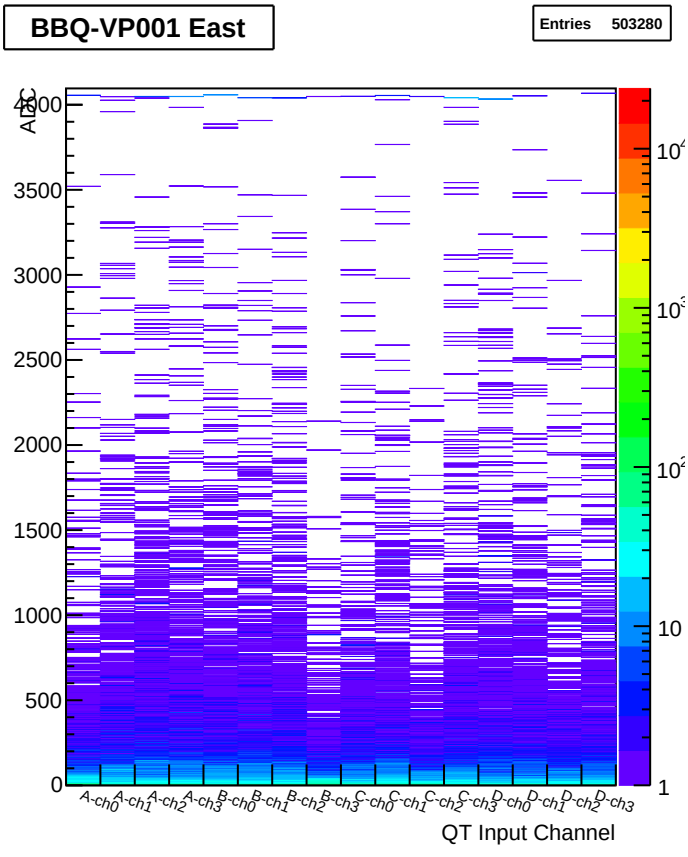

BBQ-BB001 (BBC east small tiles TAC)
Entries 503280
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

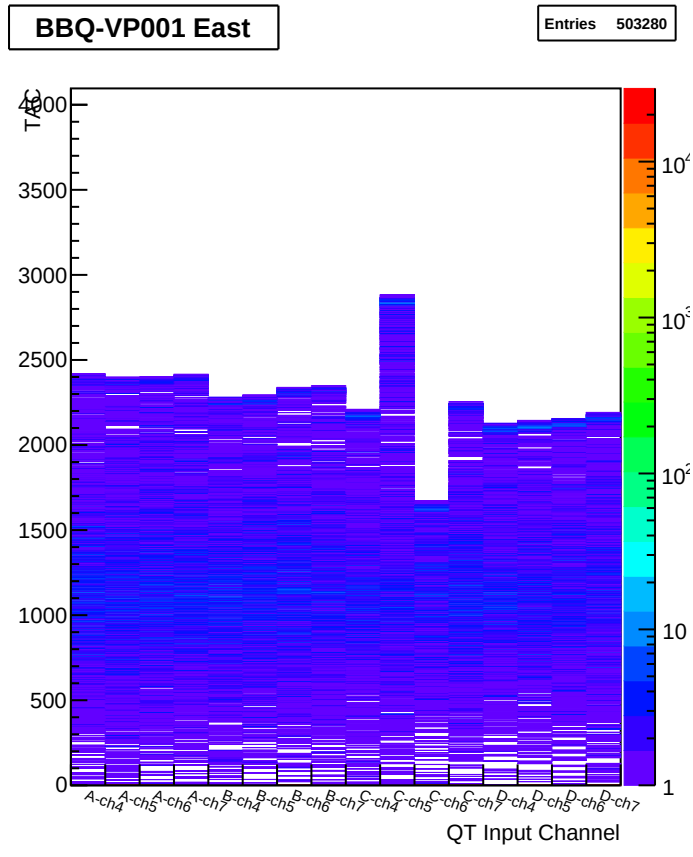

BBQ-BB002 (BBC west small tiles ADC)
Entries 503280
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

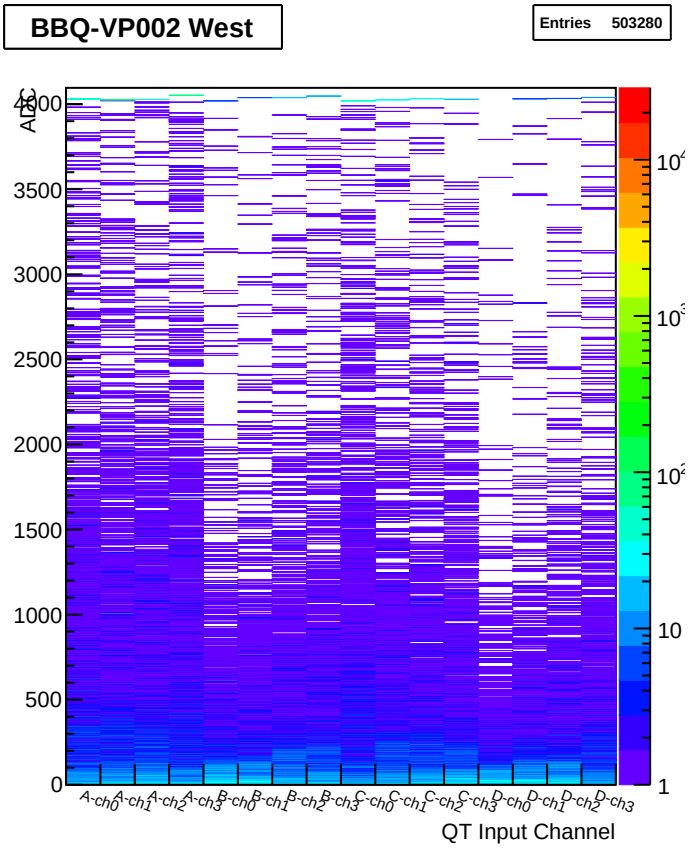

BBQ-BB002 (BBC west small tiles TAC)
Entries 503280
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

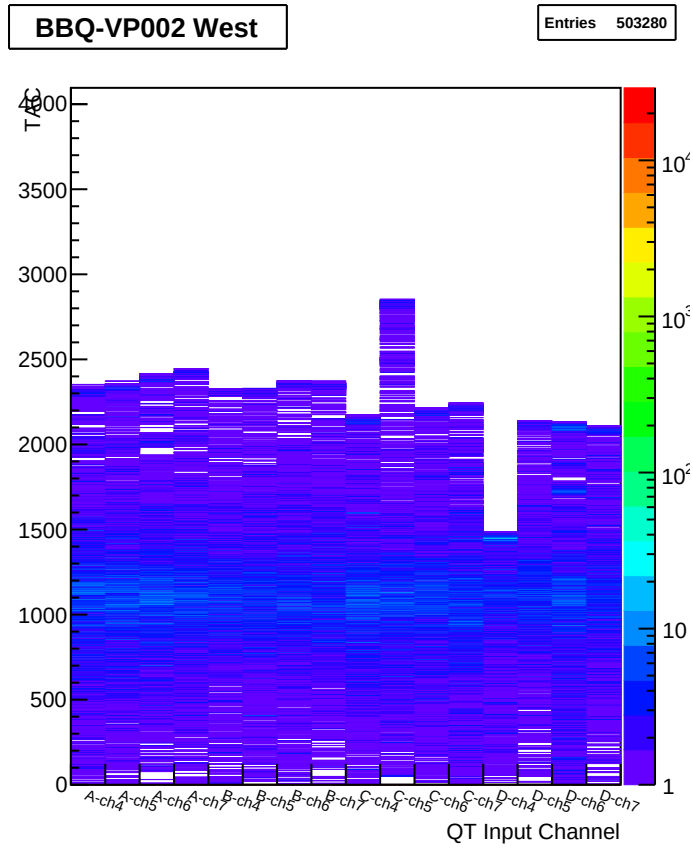

BBQ-ZD001 (ZDC TOWER)
Entries 503280
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

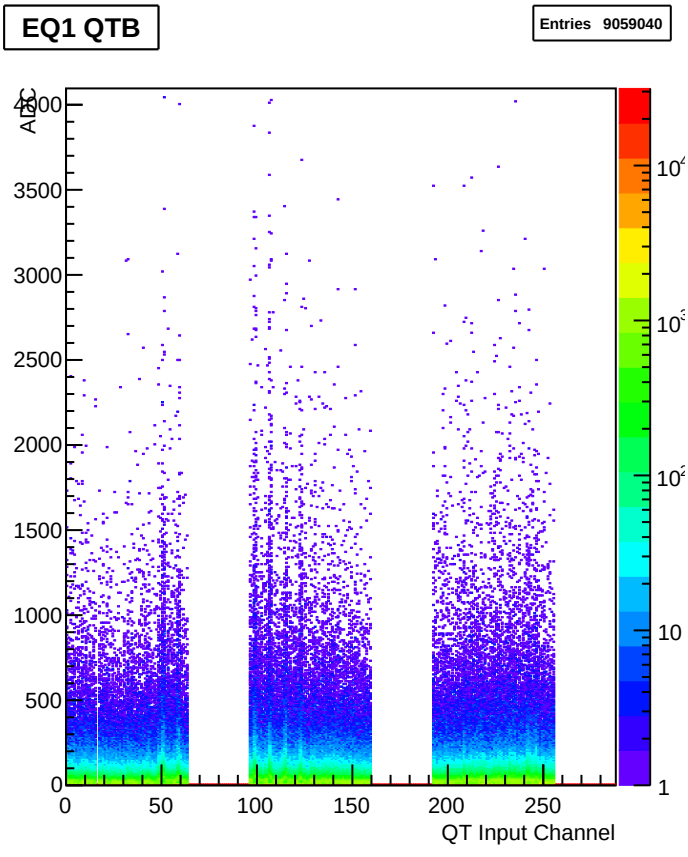

BBQ-ZD001 (ZDC TOWER)
Entries 503280
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

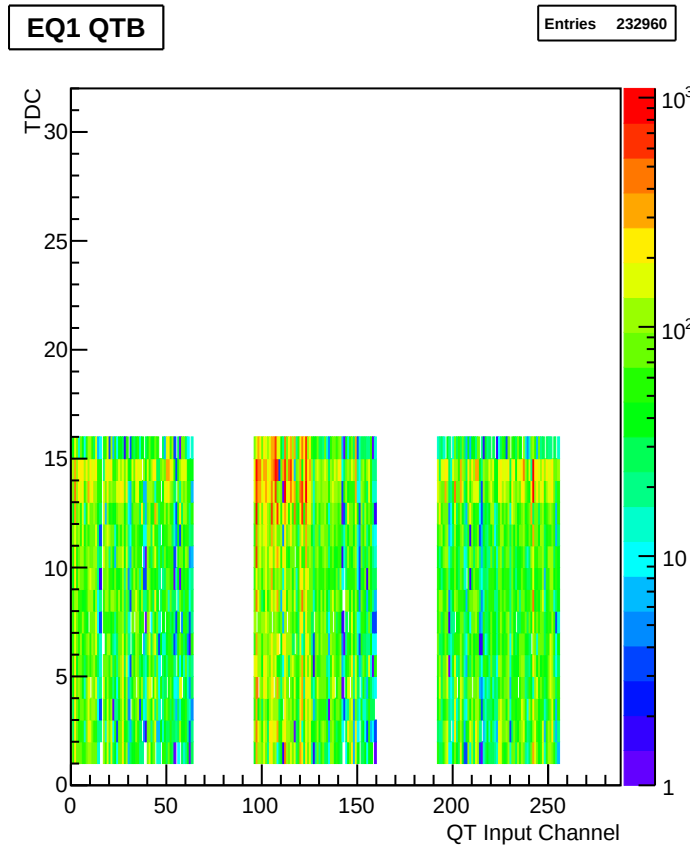

BBQ-VP001 East
Entries 503280
ADC
QT Input Channel

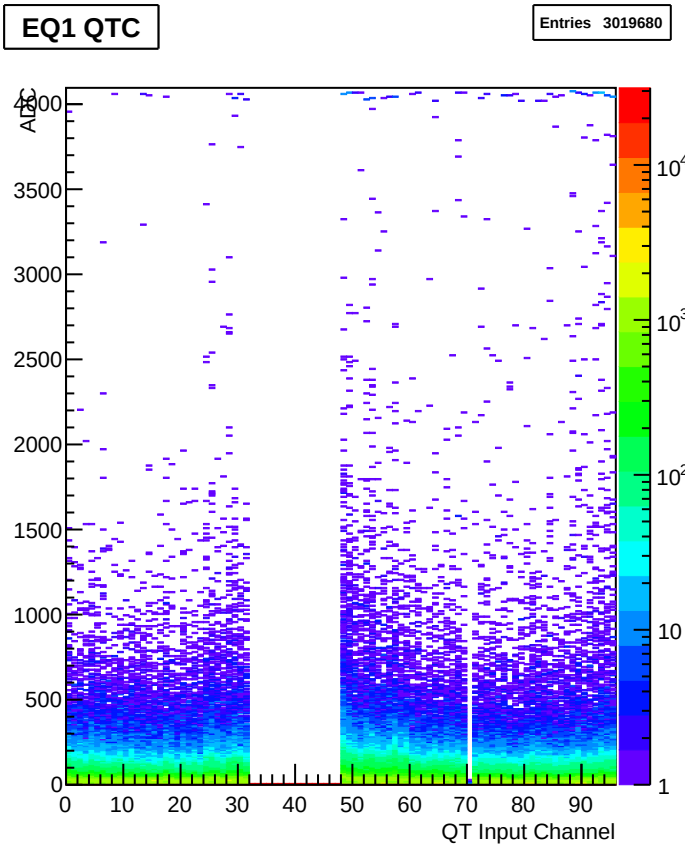

BBQ-VP001 East
Entries 503280
TADC
QT Input Channel

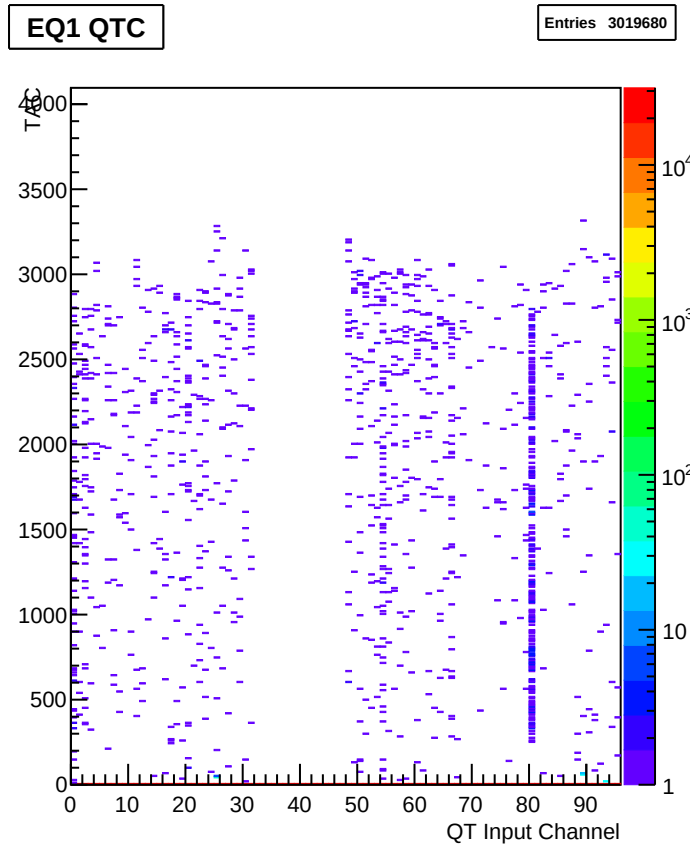

BBQ-VP002 West
Entries 503280
ADC
QT Input Channel

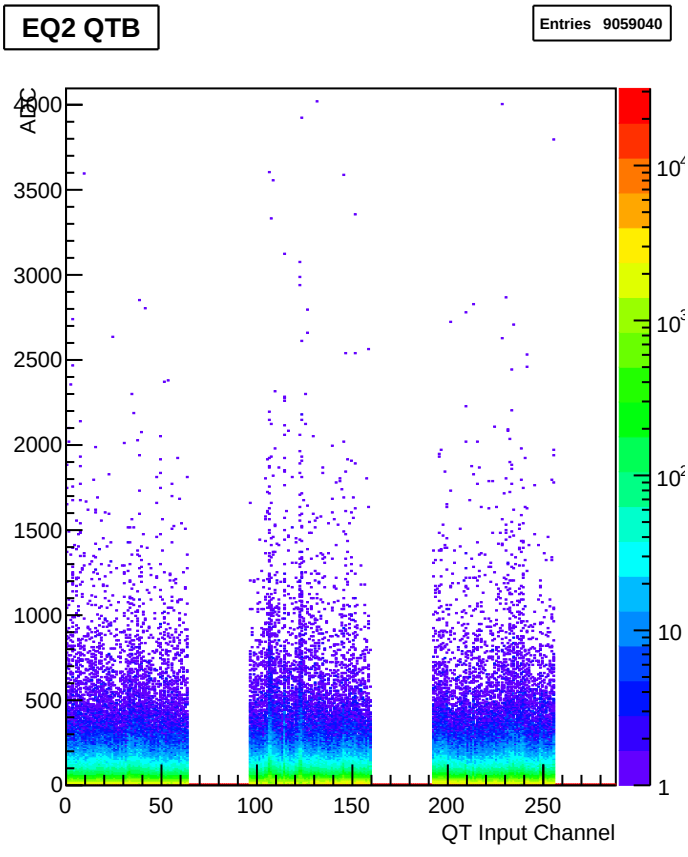

BBQ-VP002 West
Entries 503280
TADC
QT Input Channel

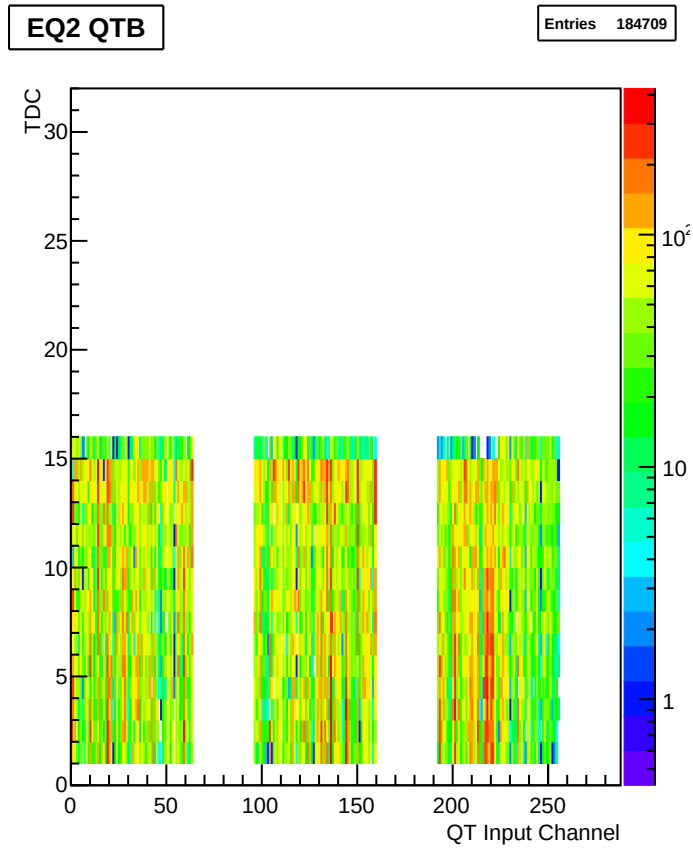

EQ1 QTB
Entries 9059040
ADC
QT Input Channel

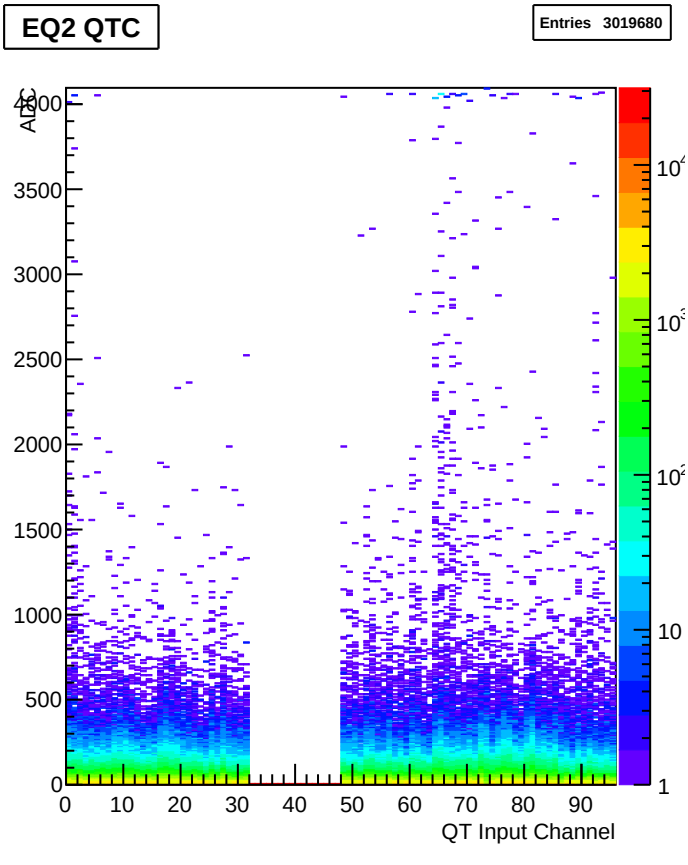

EQ1 QTB
Entries 232960
TDC
QT Input Channel

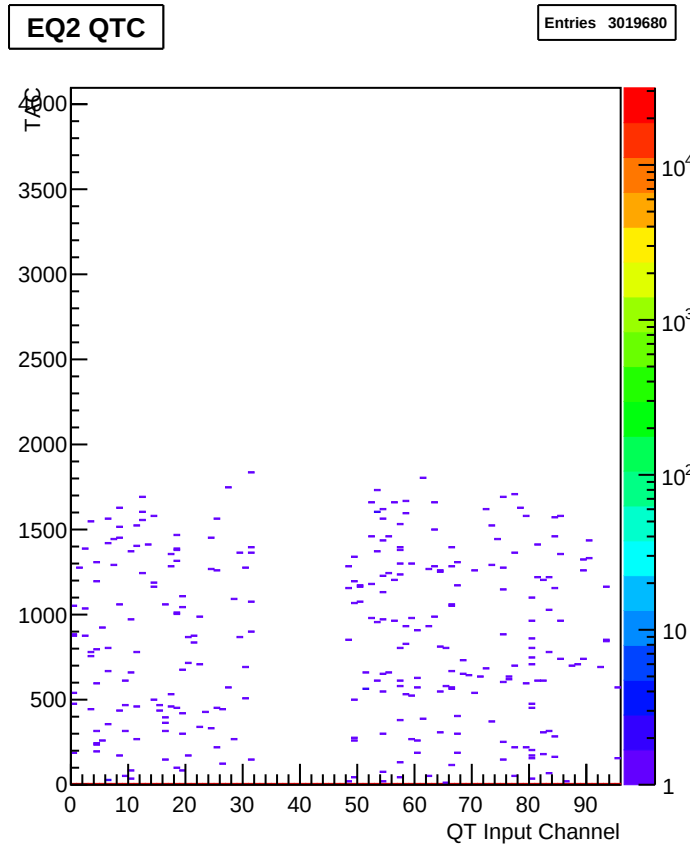

EQ1 QTC
Entries 3019680
ADC
QT Input Channel

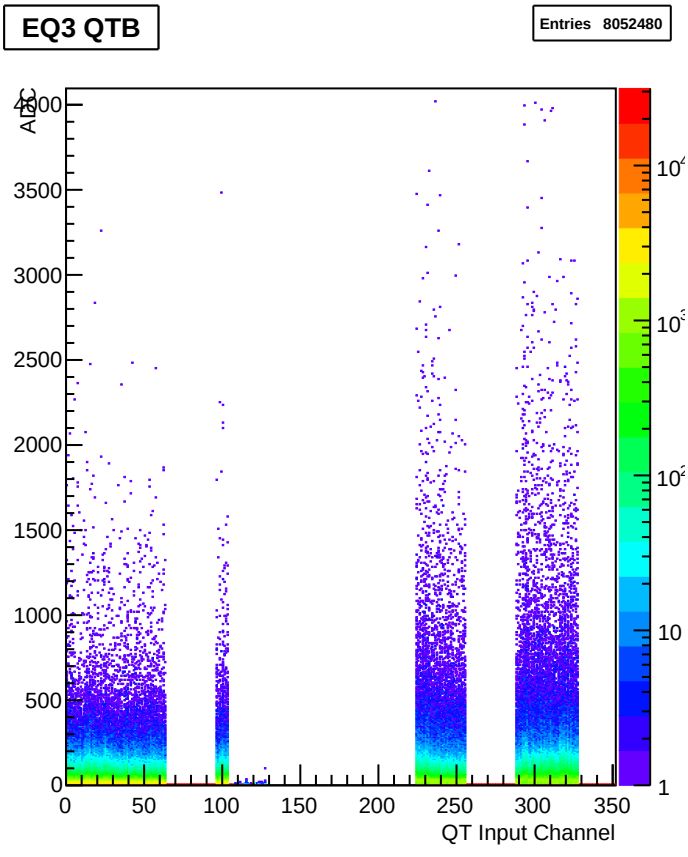

EQ1 QTC
Entries 3019680
TADC
QT Input Channel

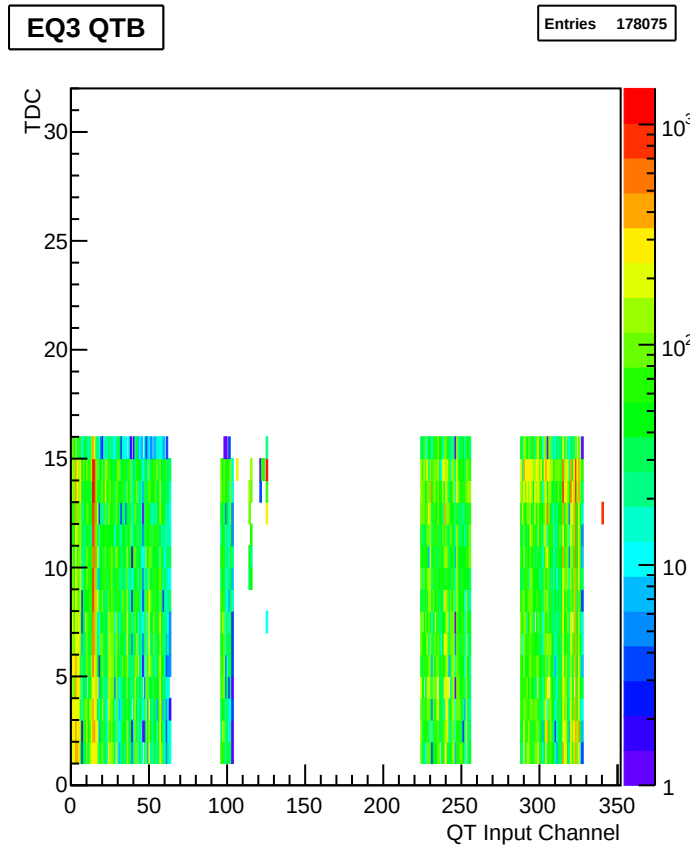

EQ2 QTB
Entries 9059040
ADC
QT Input Channel

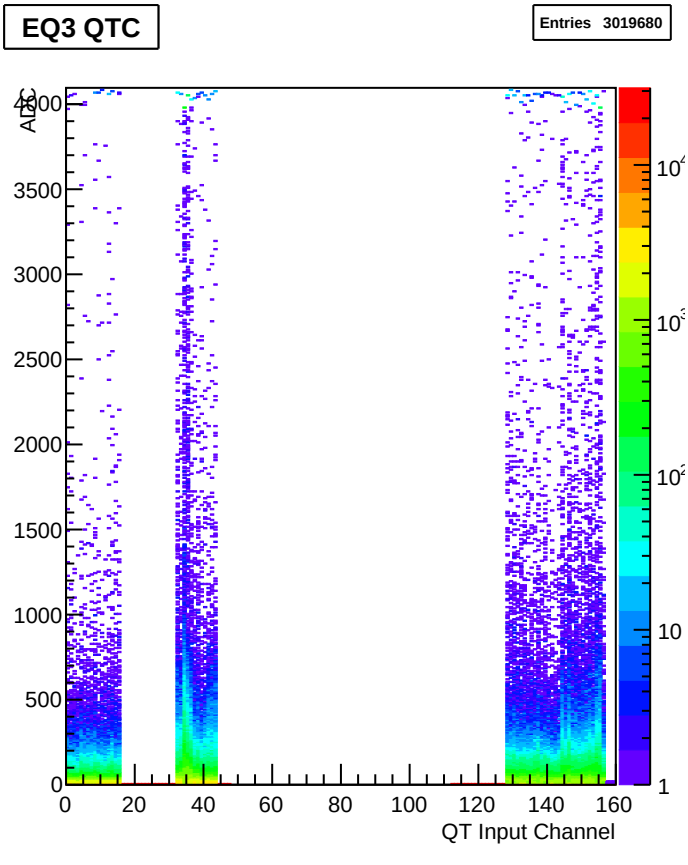

EQ2 QTB
Entries 184709
TDC
QT Input Channel

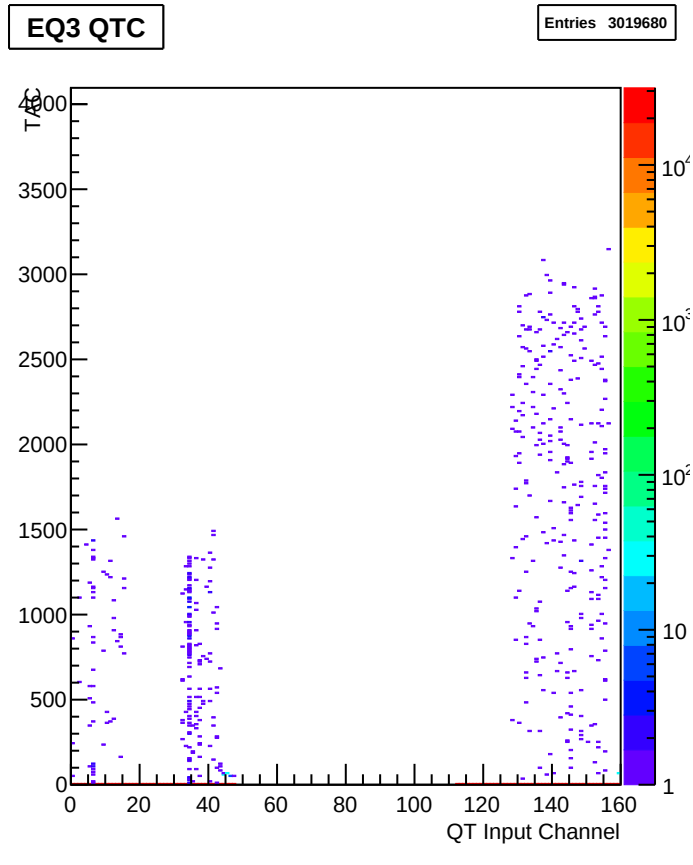

EQ2 QTC
Entries 3019680
ADC
QT Input Channel

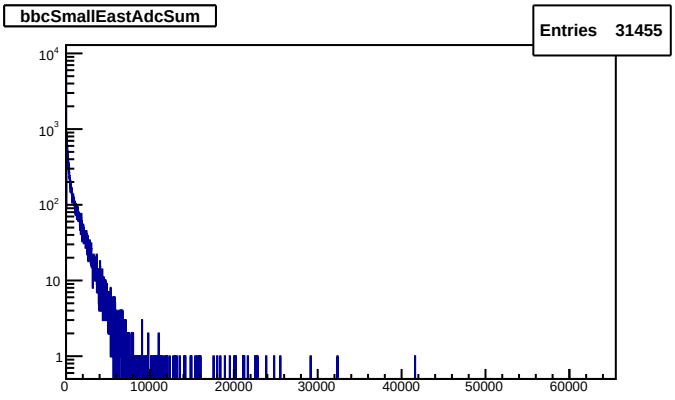

EQ2 QTC
Entries 3019680
TADC
QT Input Channel

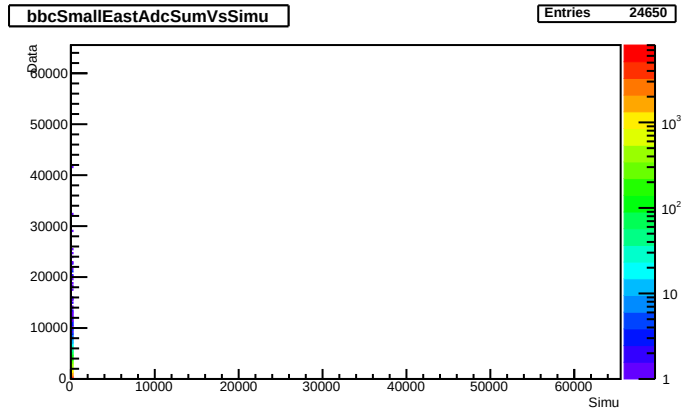

EQ3 QTB
Entries 8052480
ADC
QT Input Channel

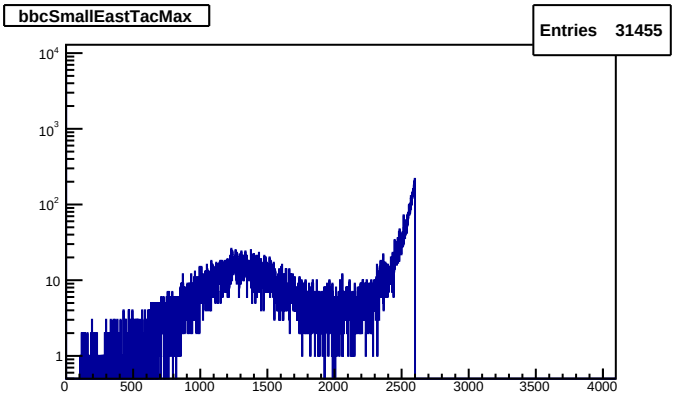

EQ3 QTB
Entries 178075
TDC
QT Input Channel

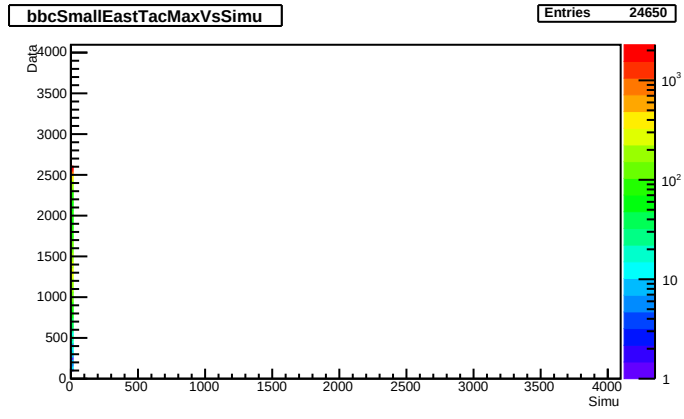

EQ3 QTC
Entries 3019680
ADC
QT Input Channel

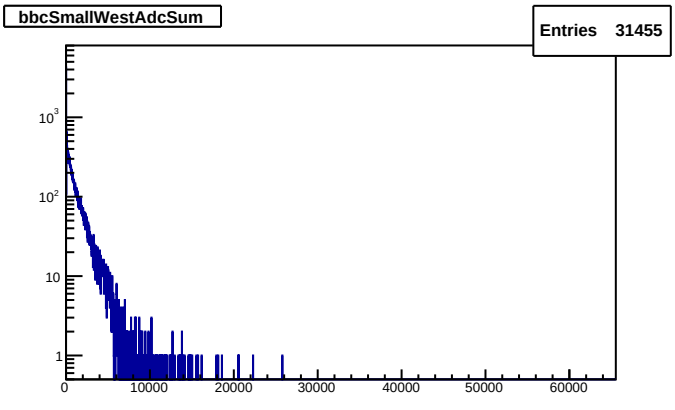

EQ3 QTC
Entries 3019680
TADC
QT Input Channel

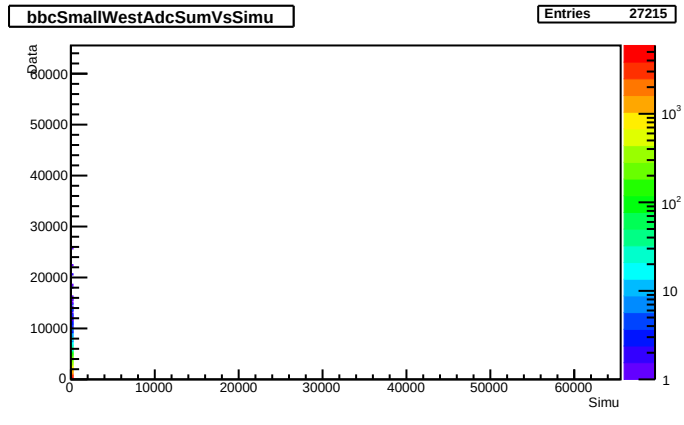

bbcSmallEastAdcSum
Entries 31455

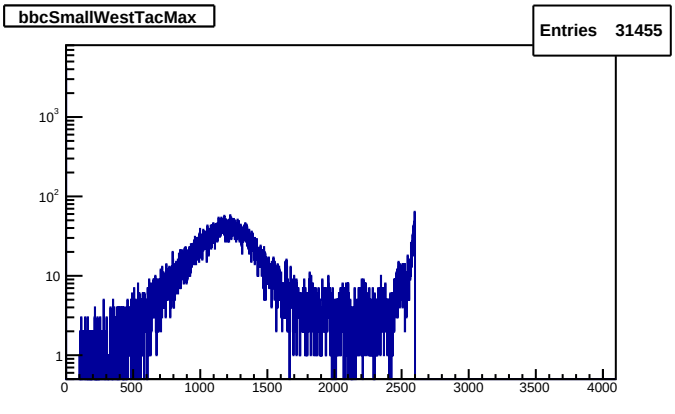

bbcSmallEastAdcSumVsSimu
Entries 24650
Data
Simu

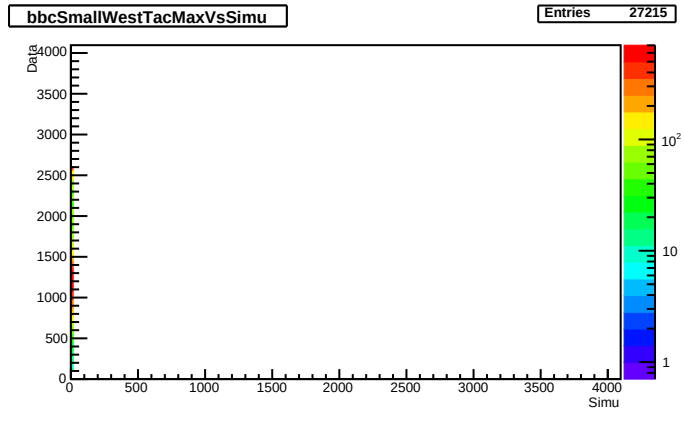

bbcSmallEastTacMax
Entries 31455

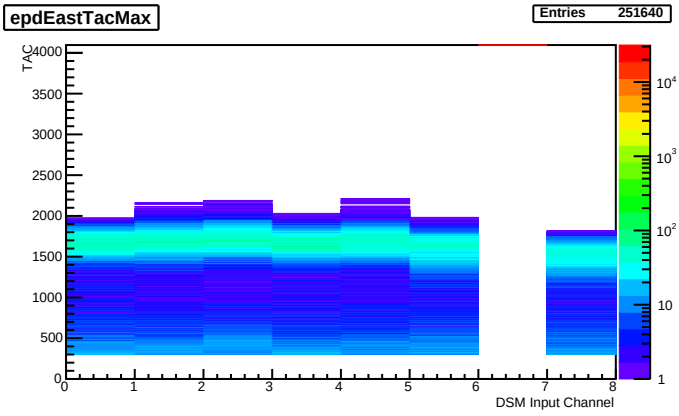

bbcSmallEastTacMaxVsSimu
Entries 24650
Data
Simu

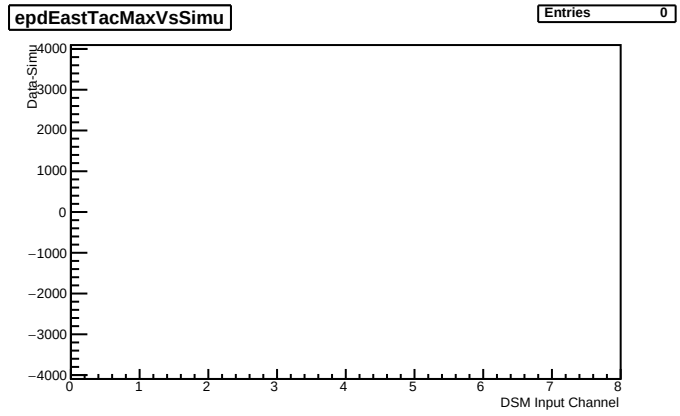

bbcSmallWestAdcSum
Entries 31455

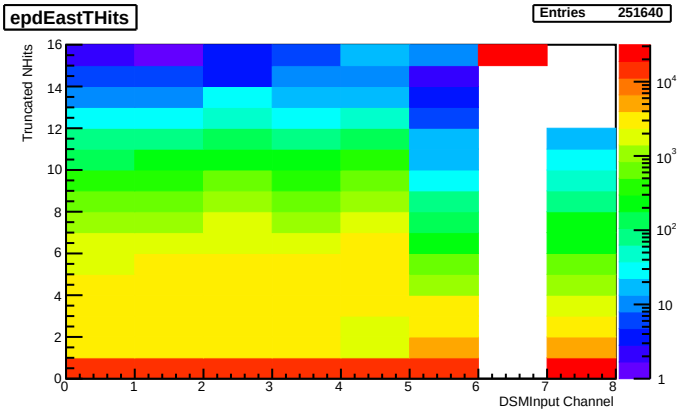

bbcSmallWestAdcSumVsSimu
Entries 27215
Data
Simu

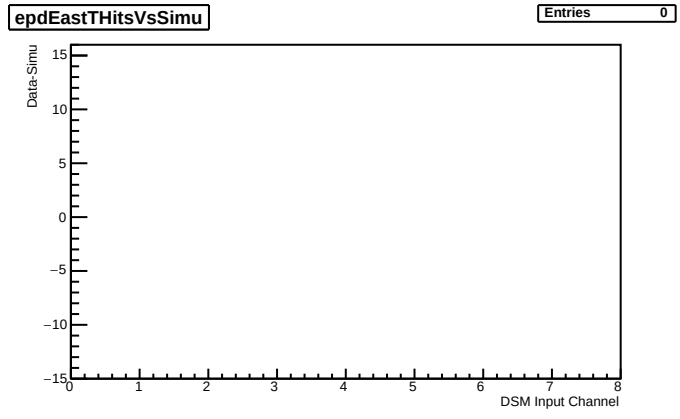

bbcSmallWestTacMax
Entries 31455

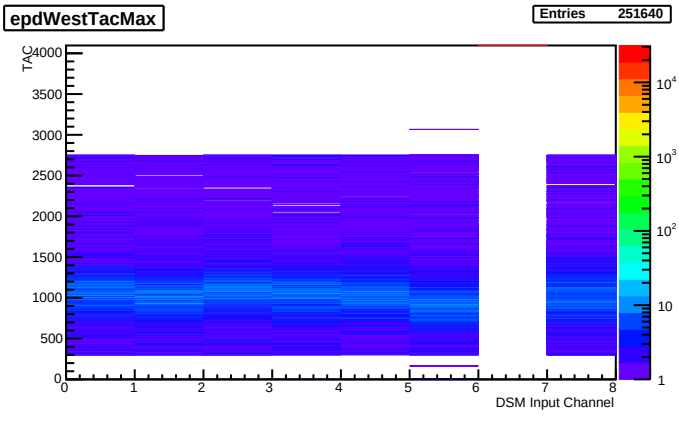

bbcSmallWestTacMaxVsSimu
Entries 27215
Data
Simu

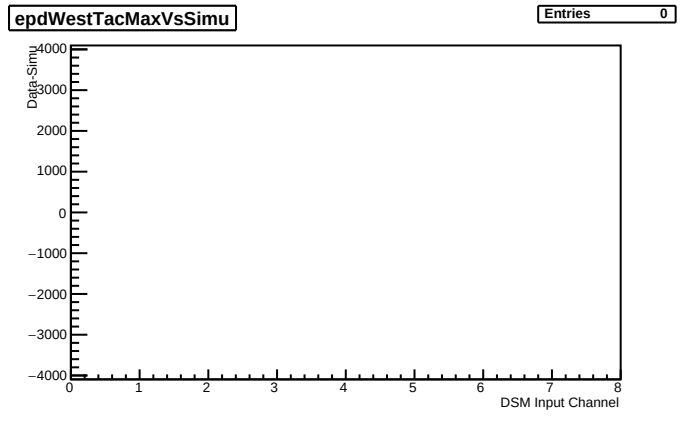

epdEastTacMax
Entries 251640
TAC
DSM Input Channel

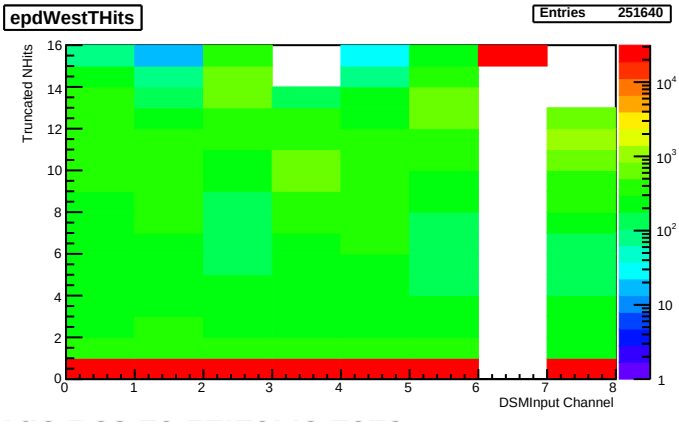

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

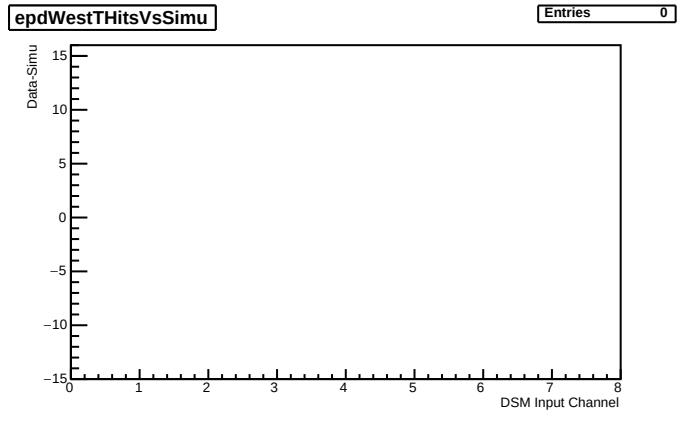

epdEastTHits
Entries 251640
Truncated NHits
DSMInput Channel

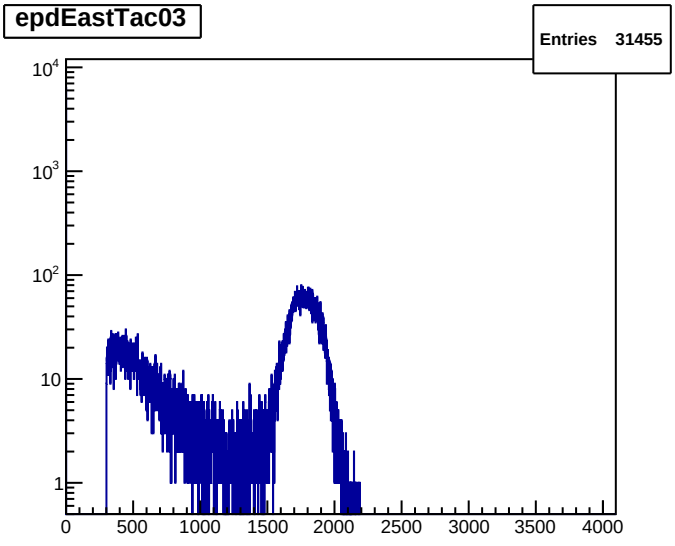

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

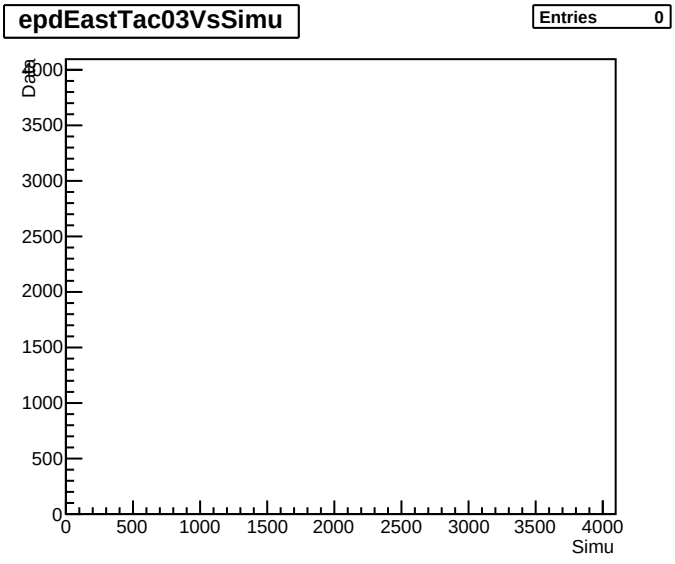

epdWestTacMax
Entries 251640
TAC
DSM Input Channel

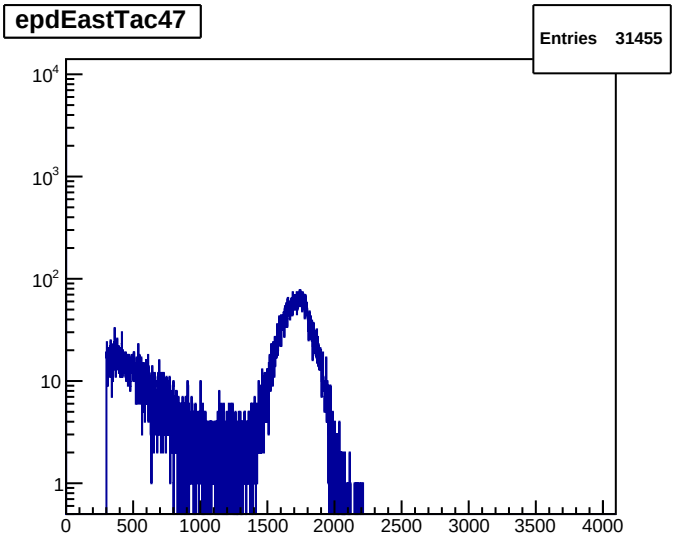

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

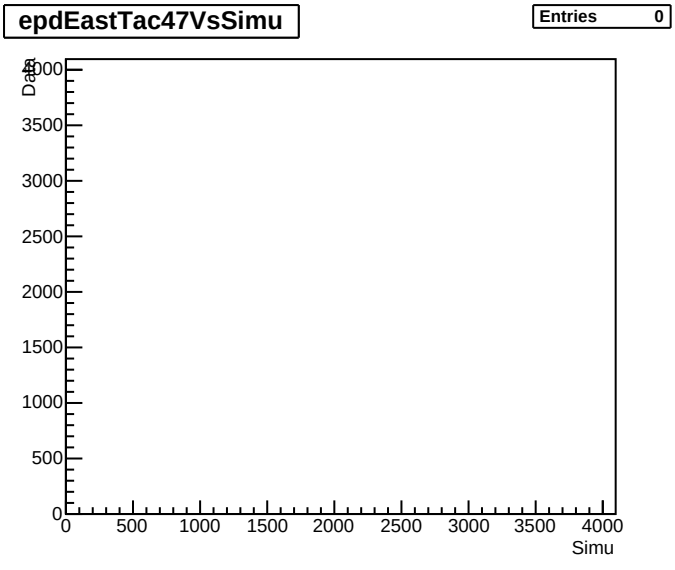

epdWestTHits
Entries 251640
Truncated NHits
DSMInput Channel

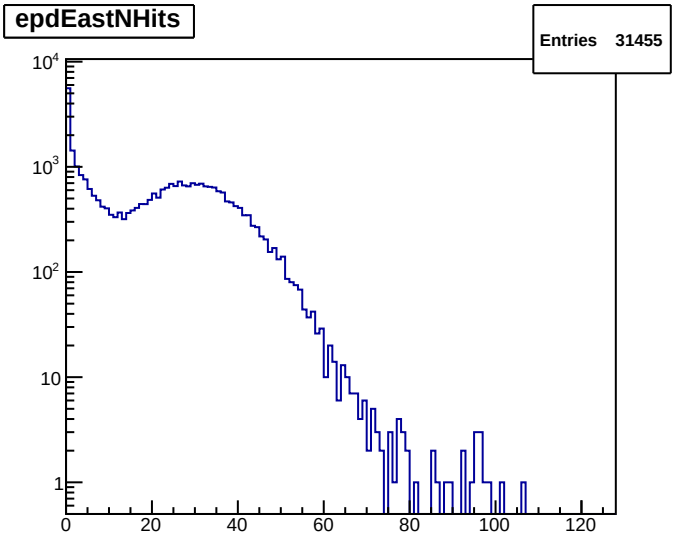

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

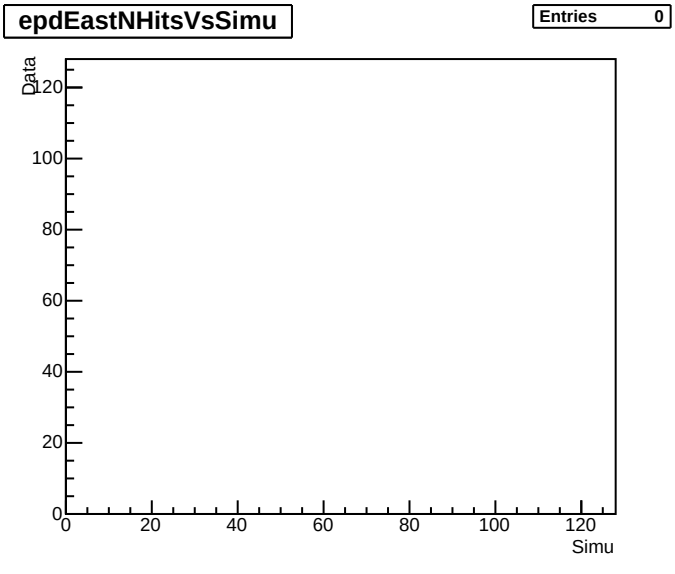

epdEastTac03
Entries 31455

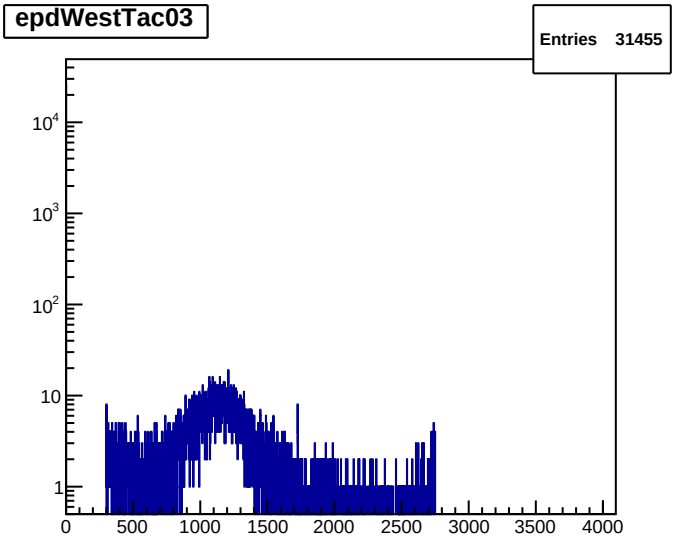

epdEastTac03VsSimu
Entries 0
Data
Simu

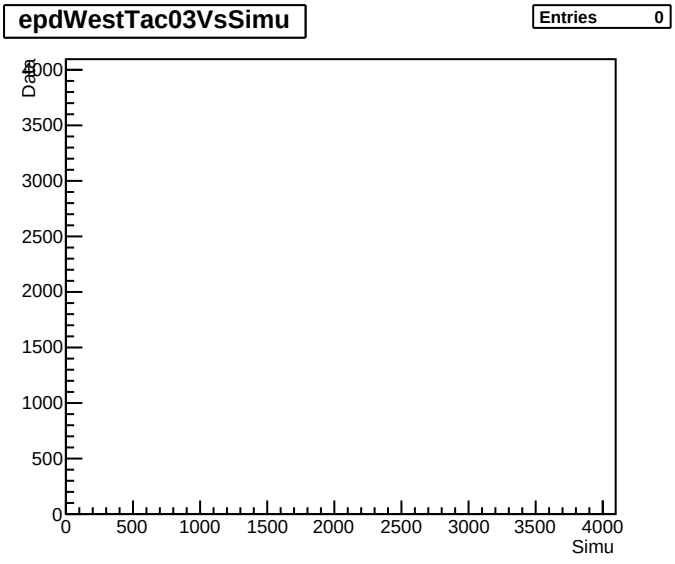

epdEastTac47
Entries 31455

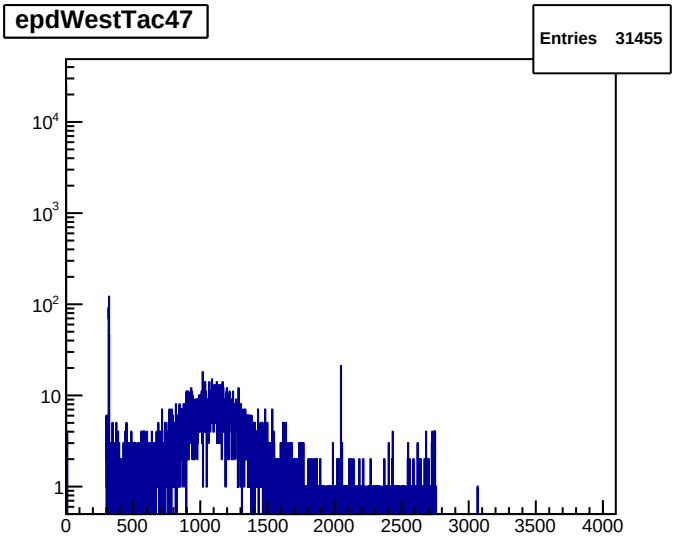

epdEastTac47VsSimu
Entries 0
Data
Simu

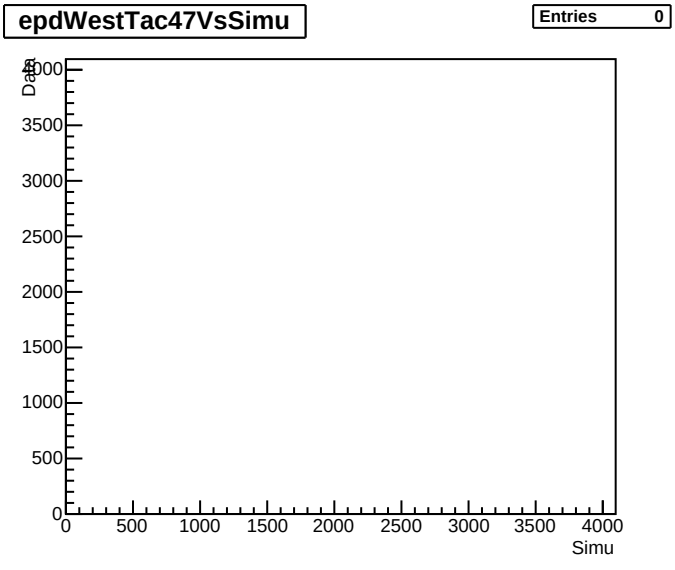

epdEastNHits
Entries 31455

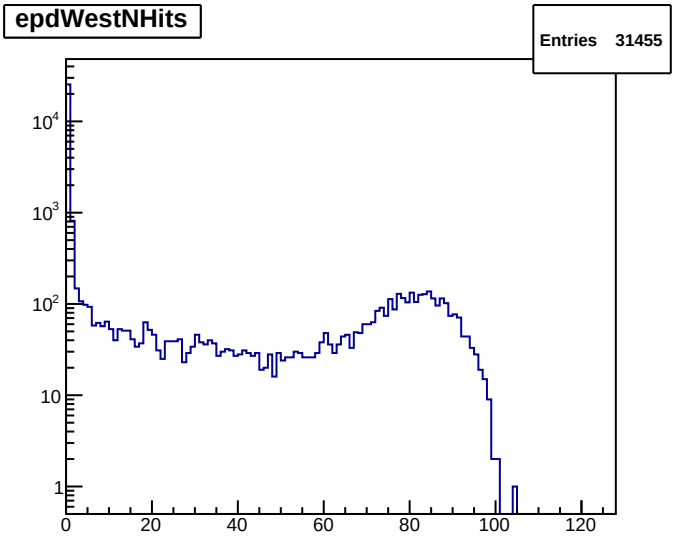

epdEastNHitsVsSimu
Entries 0
Data
Simu

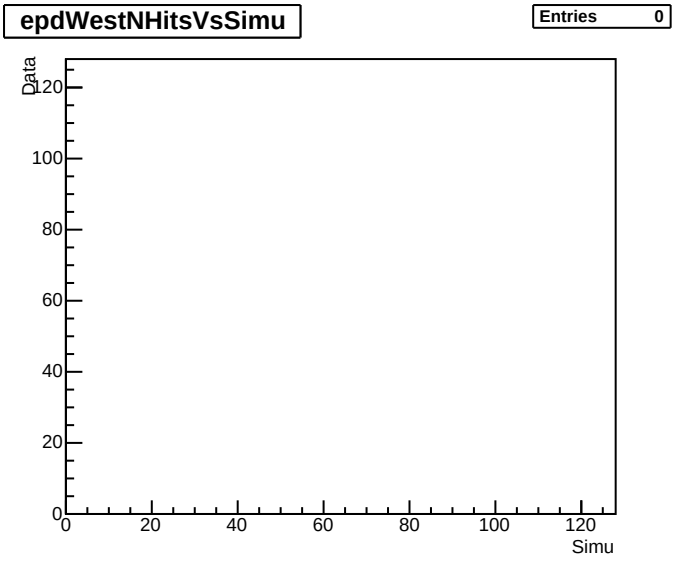

epdWestTac03
Entries 31455

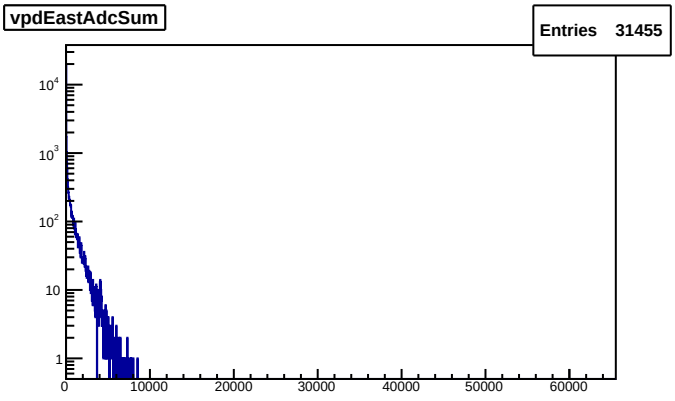

epdWestTac03VsSimu
Entries 0
Data
Simu

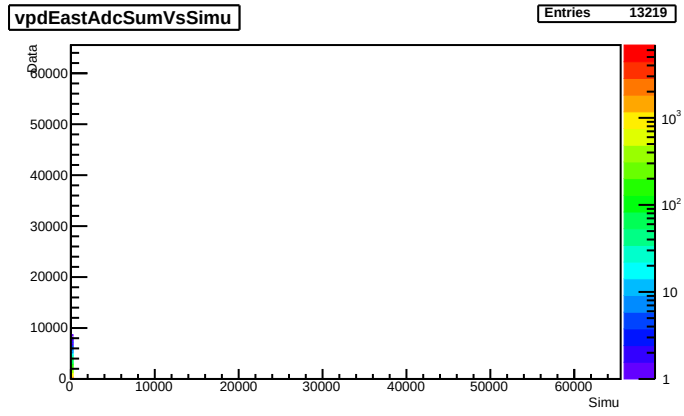

epdWestTac47
Entries 31455

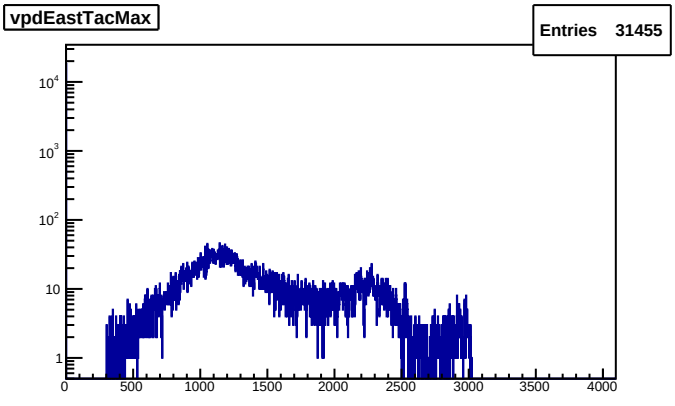

epdWestTac47VsSimu
Entries 0
Data
Simu

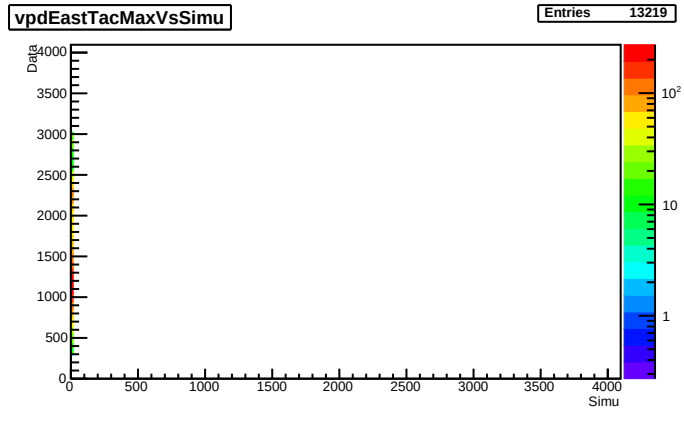

epdWestNHits
Entries 31455

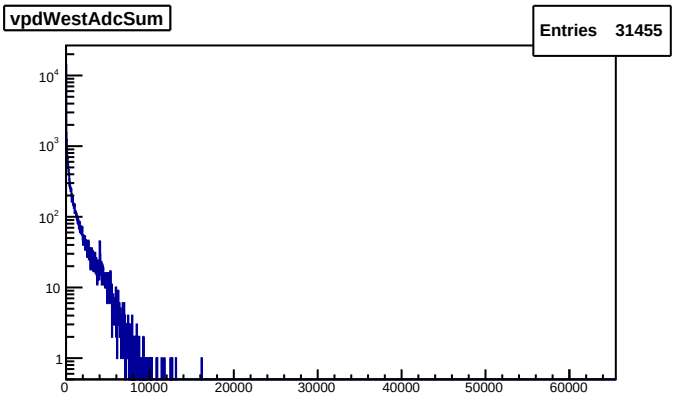

epdWestNHitsVsSimu
Entries 0
Data
Simu

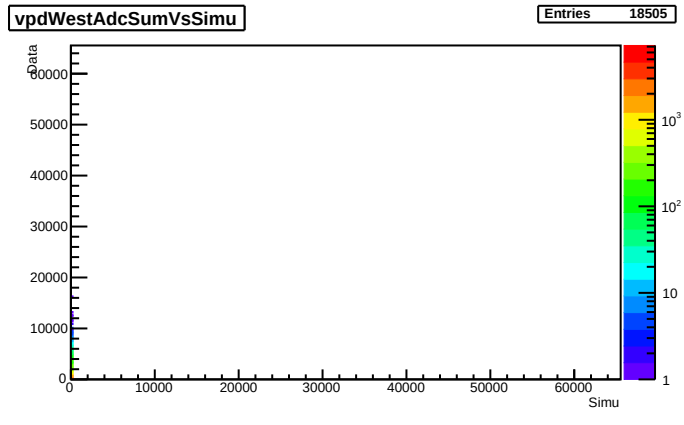

vpdEastAdcSum
Entries 31455

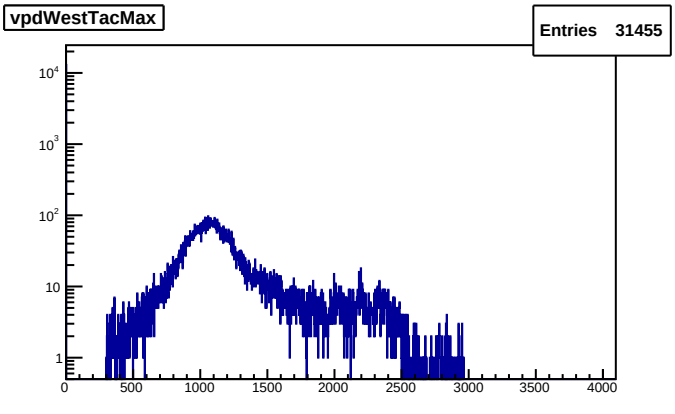

vpdEastAdcSumVsSimu
Entries 13219
Data
Simu

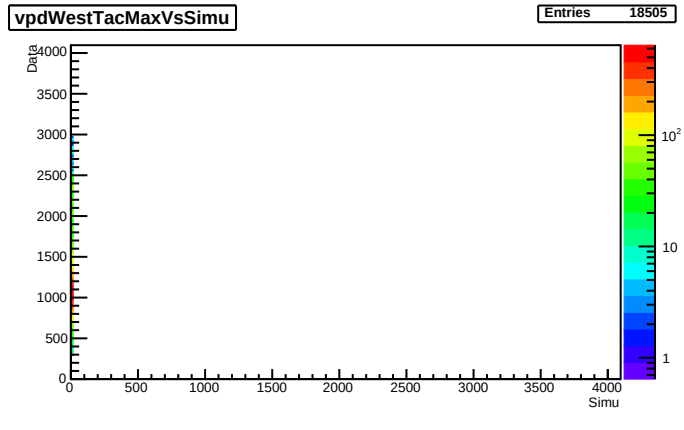

vpdEastTacMax
Entries 31455

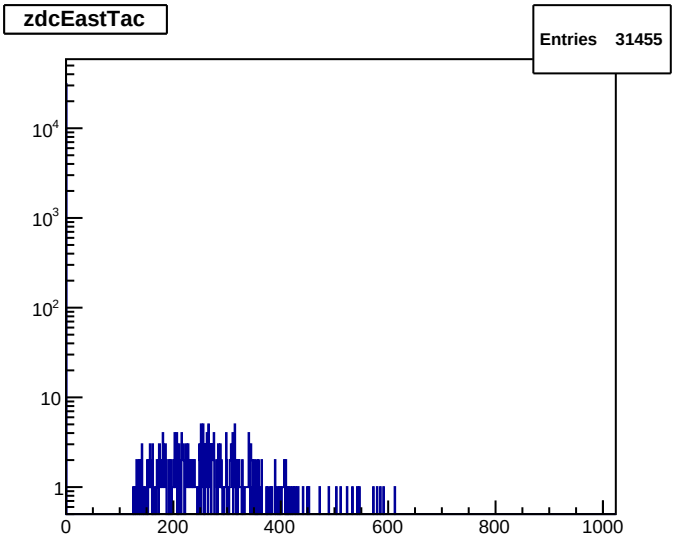

vpdEastTacMaxVsSimu
Entries 13219
Data
Simu

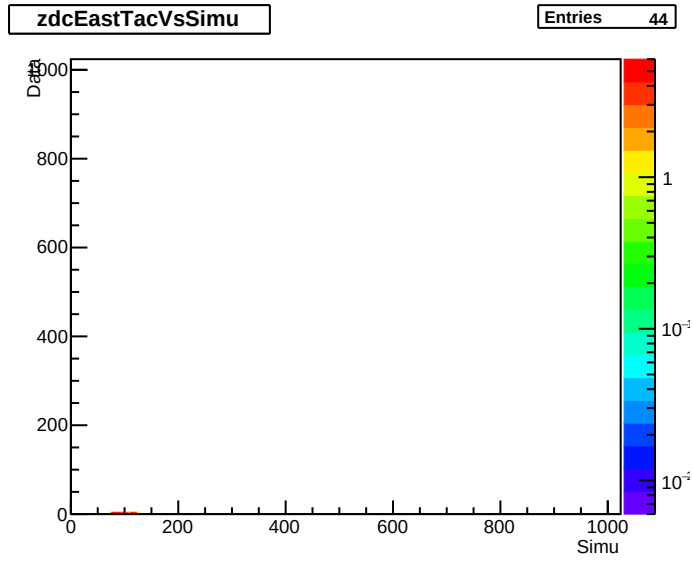

vpdWestAdcSum
Entries 31455

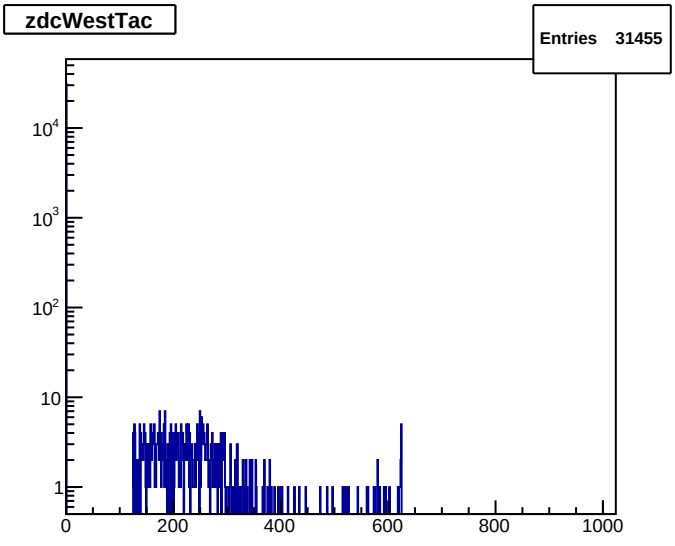

vpdWestAdcSumVsSimu
Entries 18505
Data
Simu

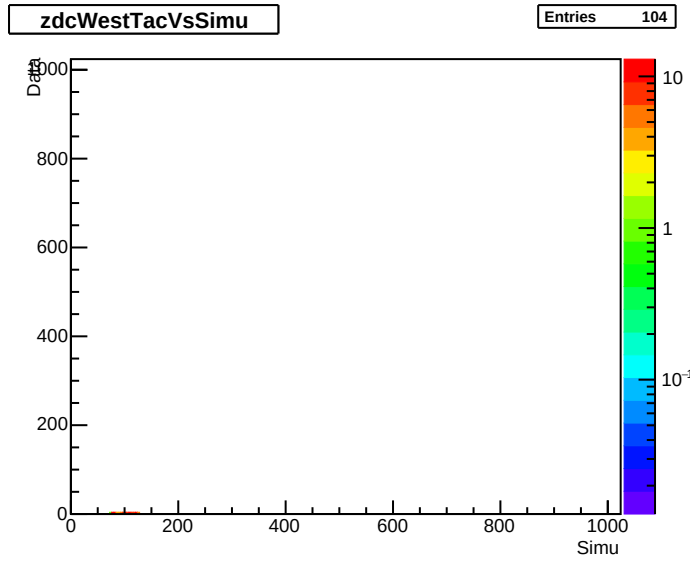

vpdWestTacMax
Entries 31455

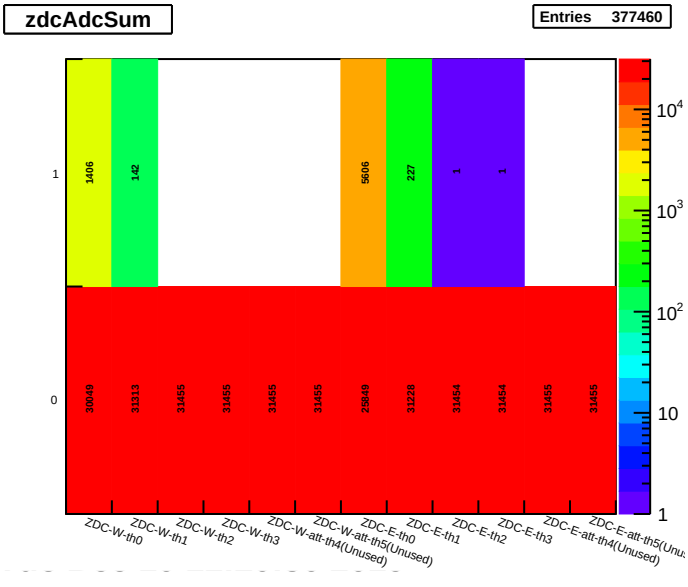

vpdWestTacMaxVsSimu
Entries 18505
Data
Simu

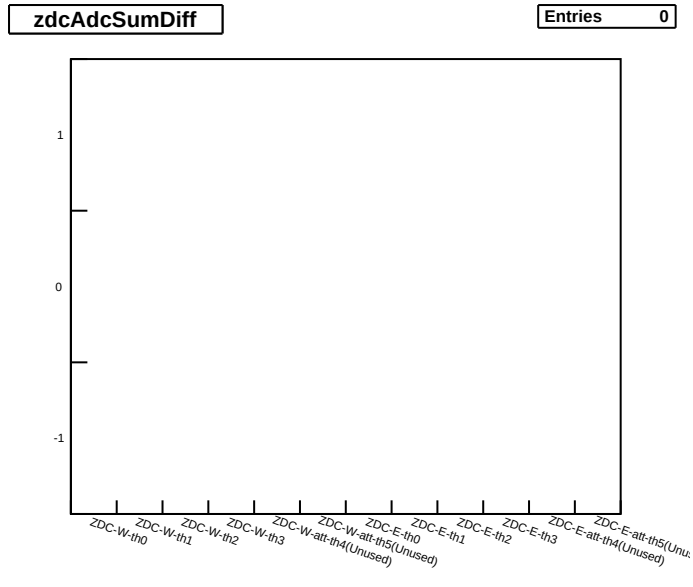

zdcEastTac
Entries 31455

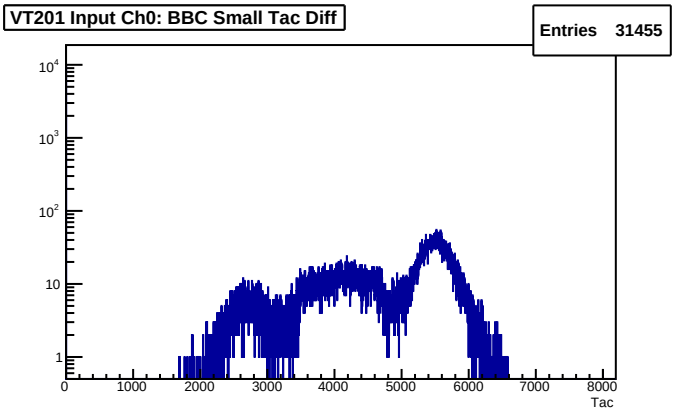

zdcEastTacVsSimu
Entries 44
Data
Simu

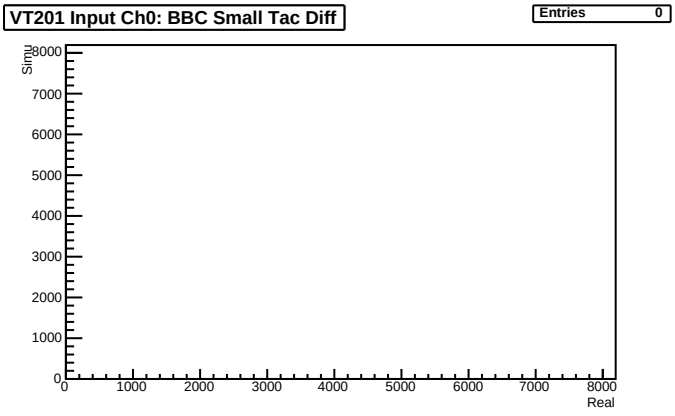

zdcWestTac
Entries 31455

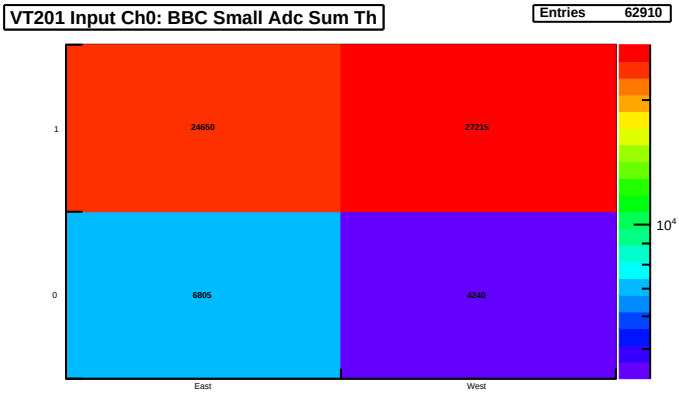

zdcWestTacVsSimu
Entries 104
Data
Simu

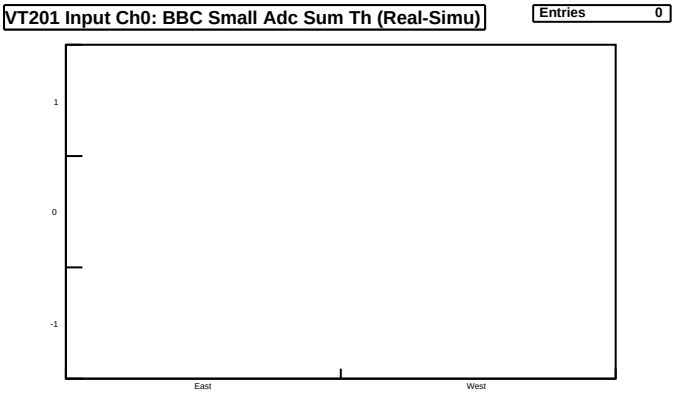

zdcAdcSum
Entries 377460
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

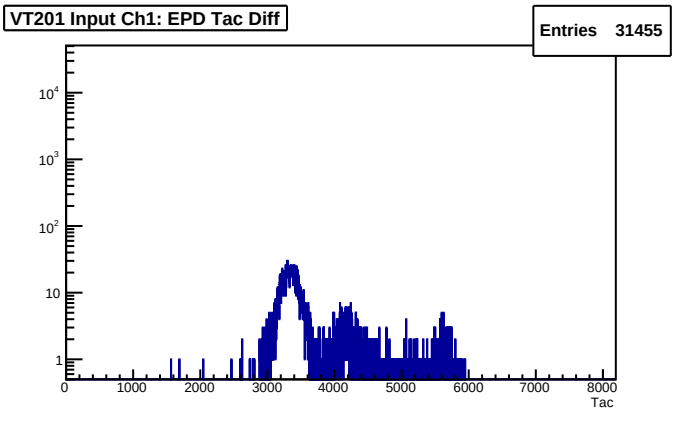

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

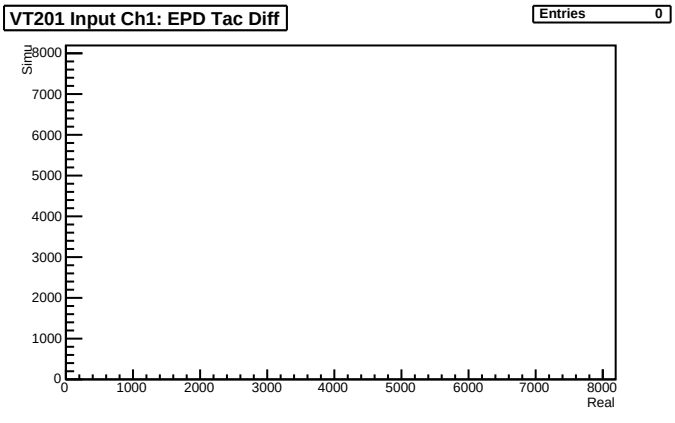

VT201 Input Ch0: BBC Small Tac Diff
Entries 31455
Tac

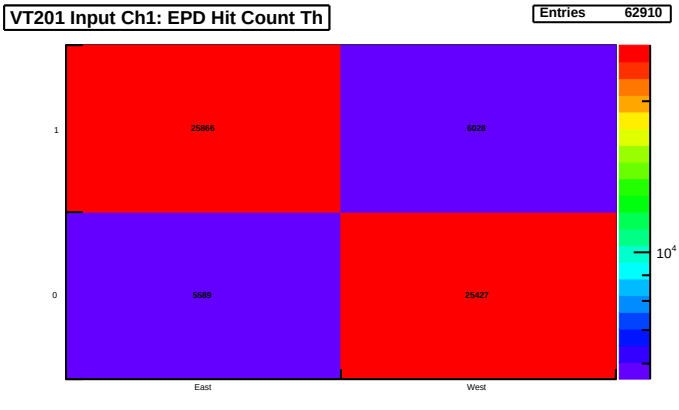

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

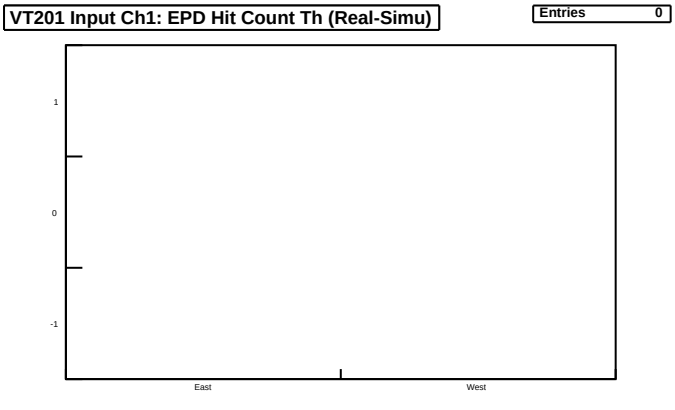

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 62910
24650
27215
6805
4240
East
West

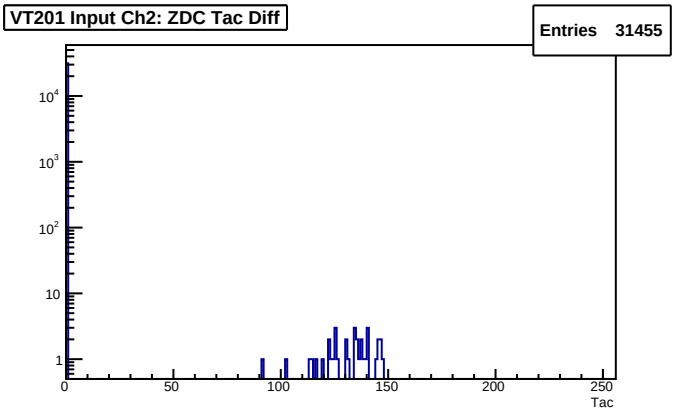

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

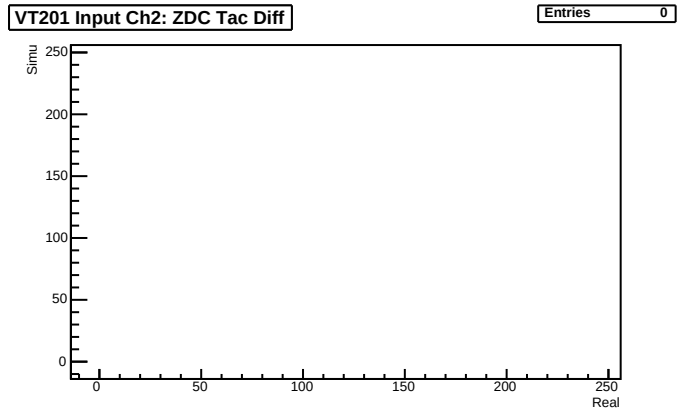

VT201 Input Ch1: EPD Tac Diff
Entries 31455
Tac

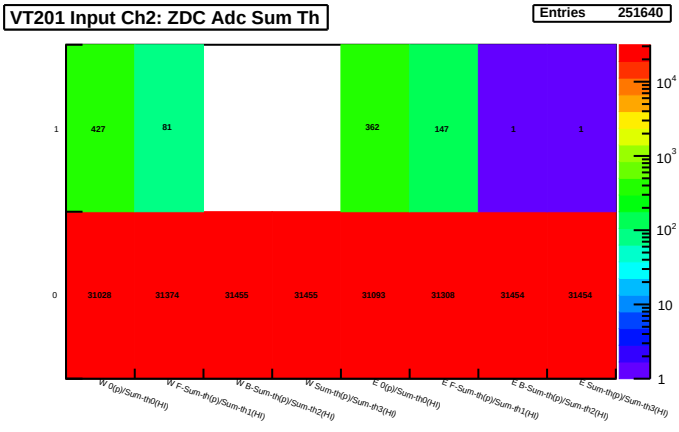

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

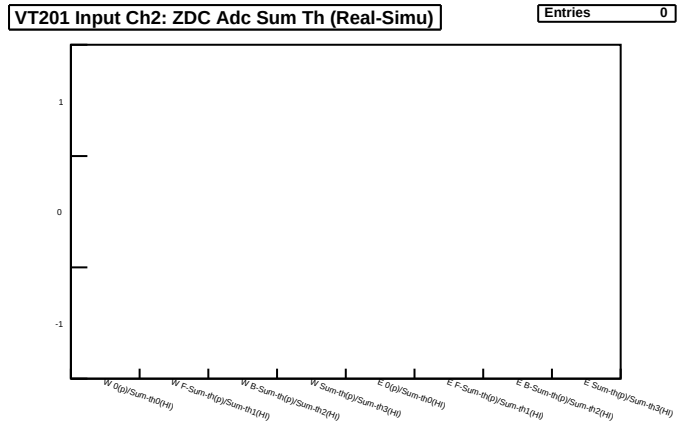

VT201 Input Ch1: EPD Hit Count Th
Entries 62910
25866
6028
5589
25427
East
West

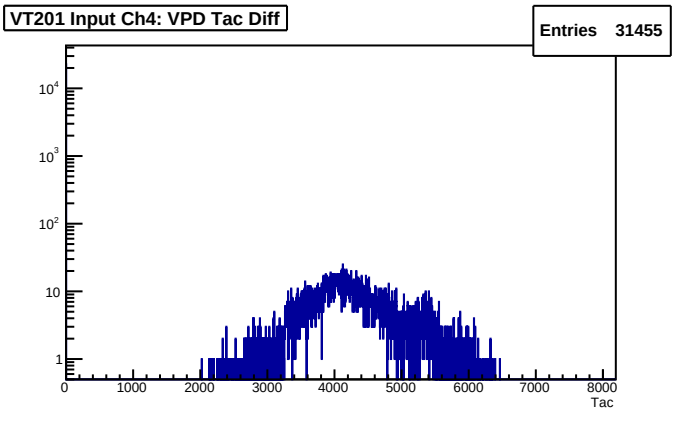

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

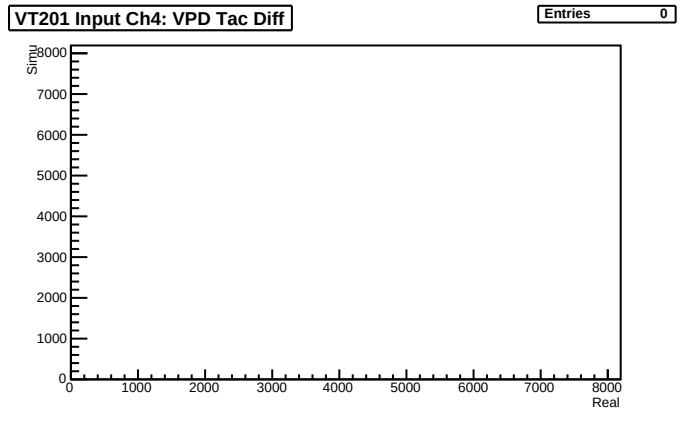

VT201 Input Ch2: ZDC Tac Diff
Entries 31455
Tac

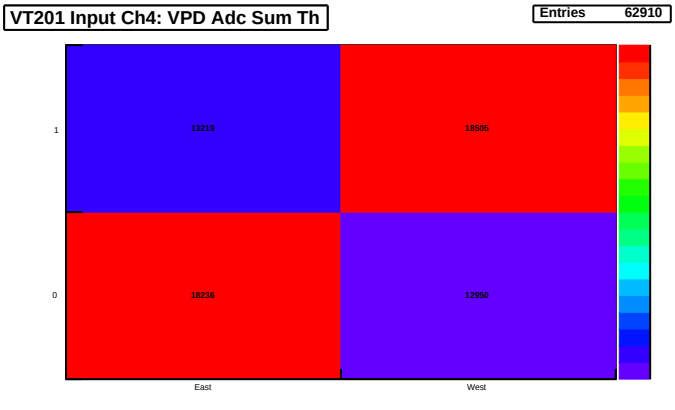

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

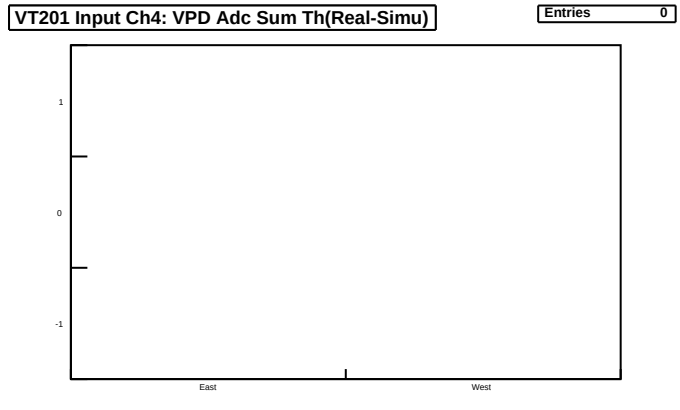

VT201 Input Ch2: ZDC Adc Sum Th
Entries 251640
427
81
362
147
1
1
31028
31374
31455
31455
31093
31308
31454
31454
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

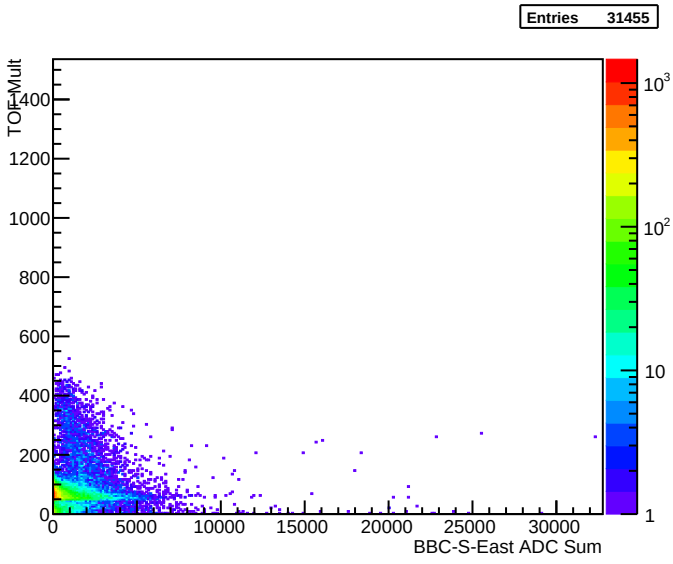

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

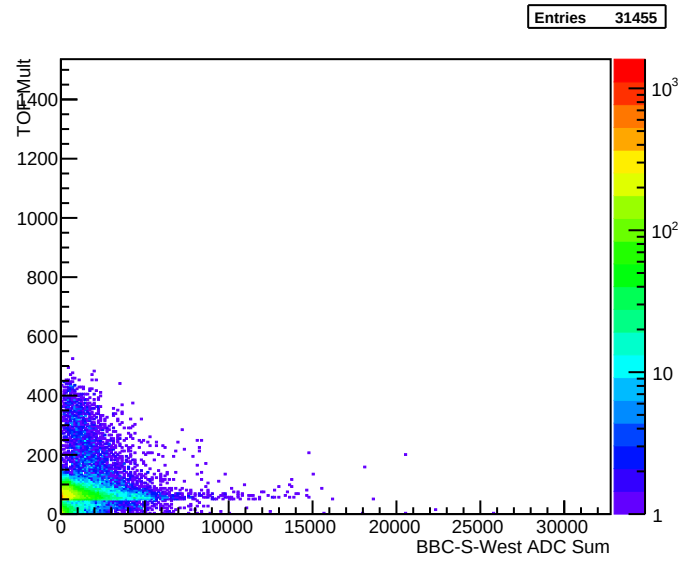

VT201 Input Ch4: VPD Tac Diff
Entries 31455
Tac

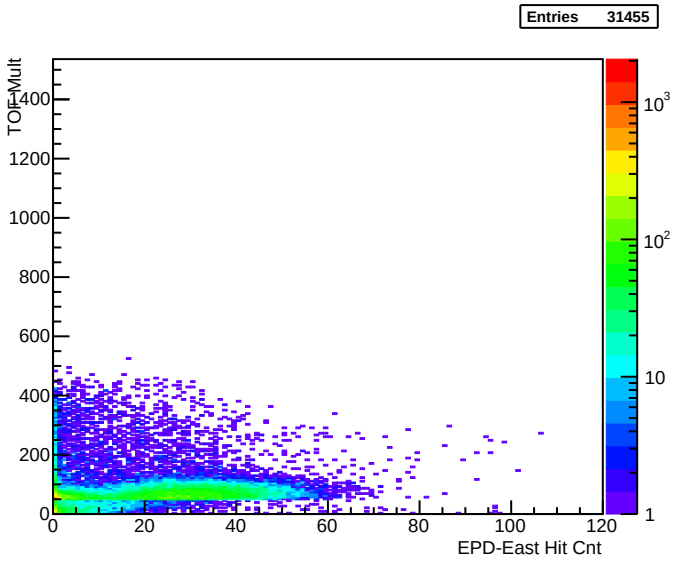

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

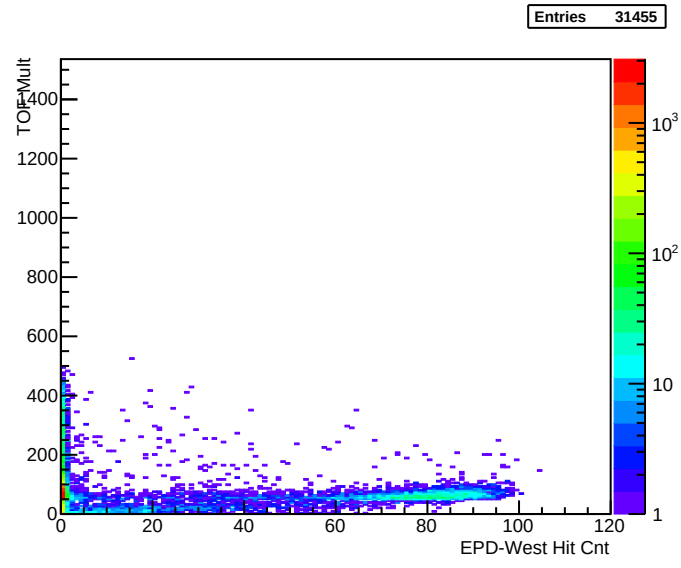

VT201 Input Ch4: VPD Adc Sum Th
Entries 62910
13219
18505
18236
12950
East
West

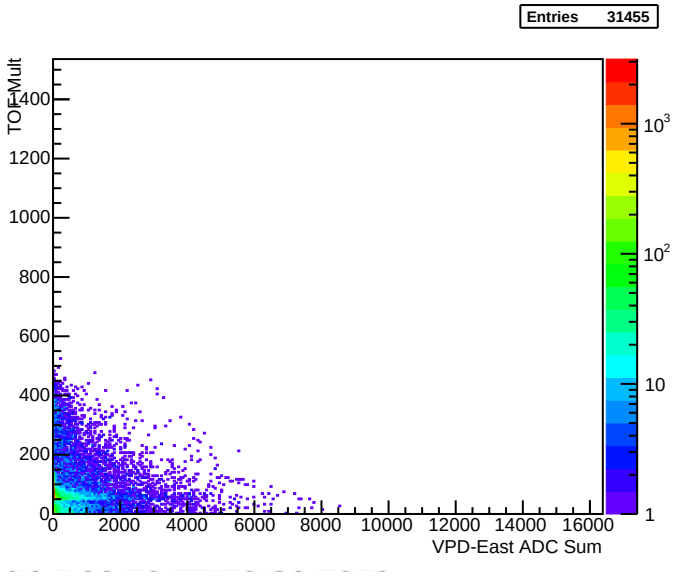

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

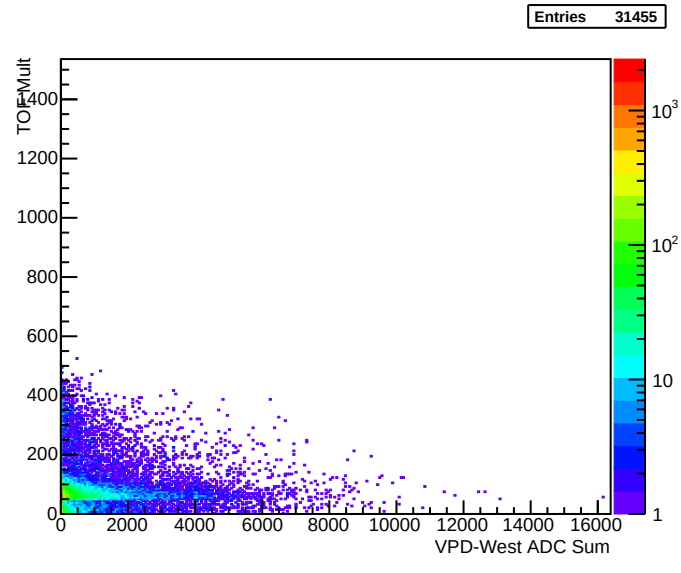

Entries 31455
TOF-Mult
BBC-S-East ADC Sum

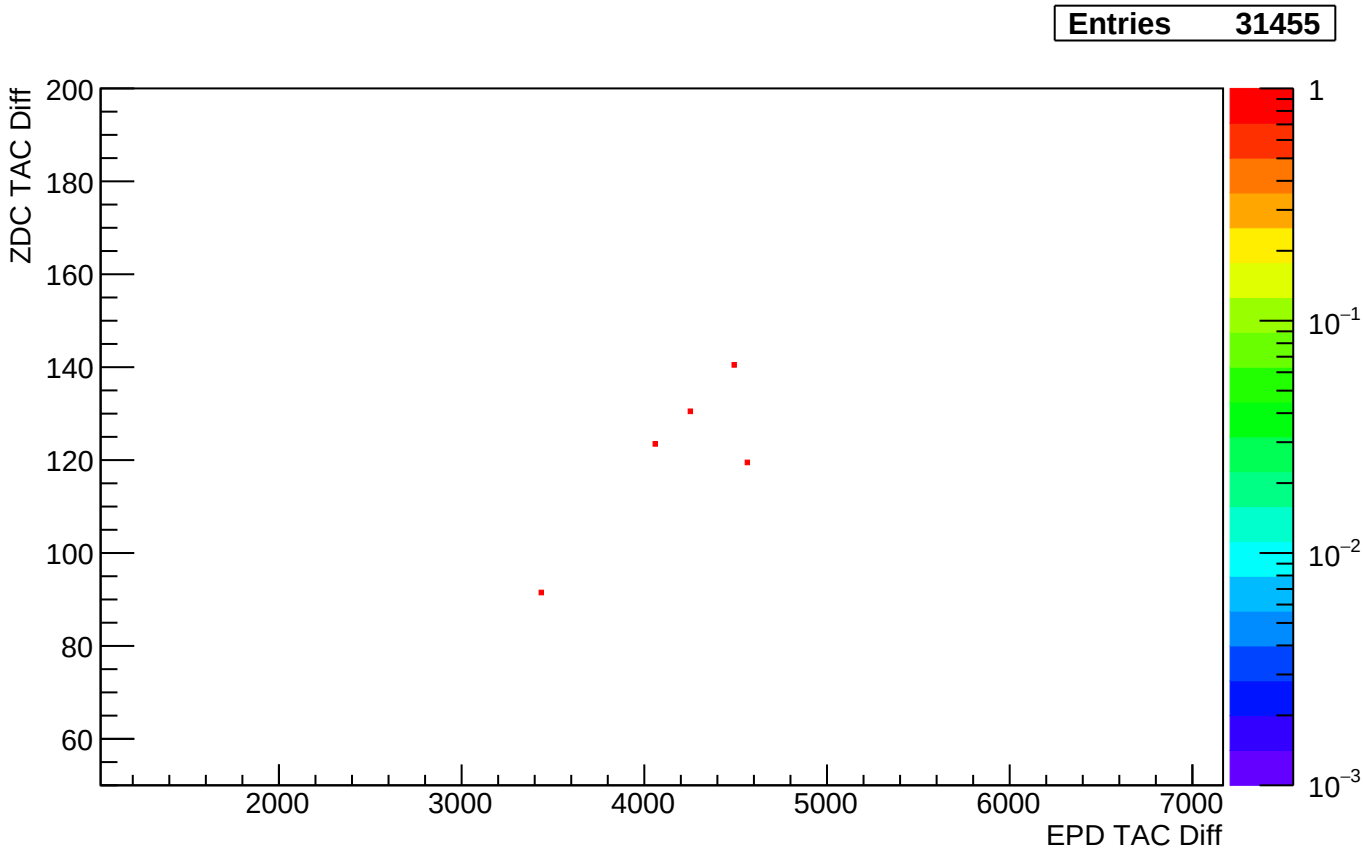

Entries 31455
TOF-Mult
BBC-S-West ADC Sum

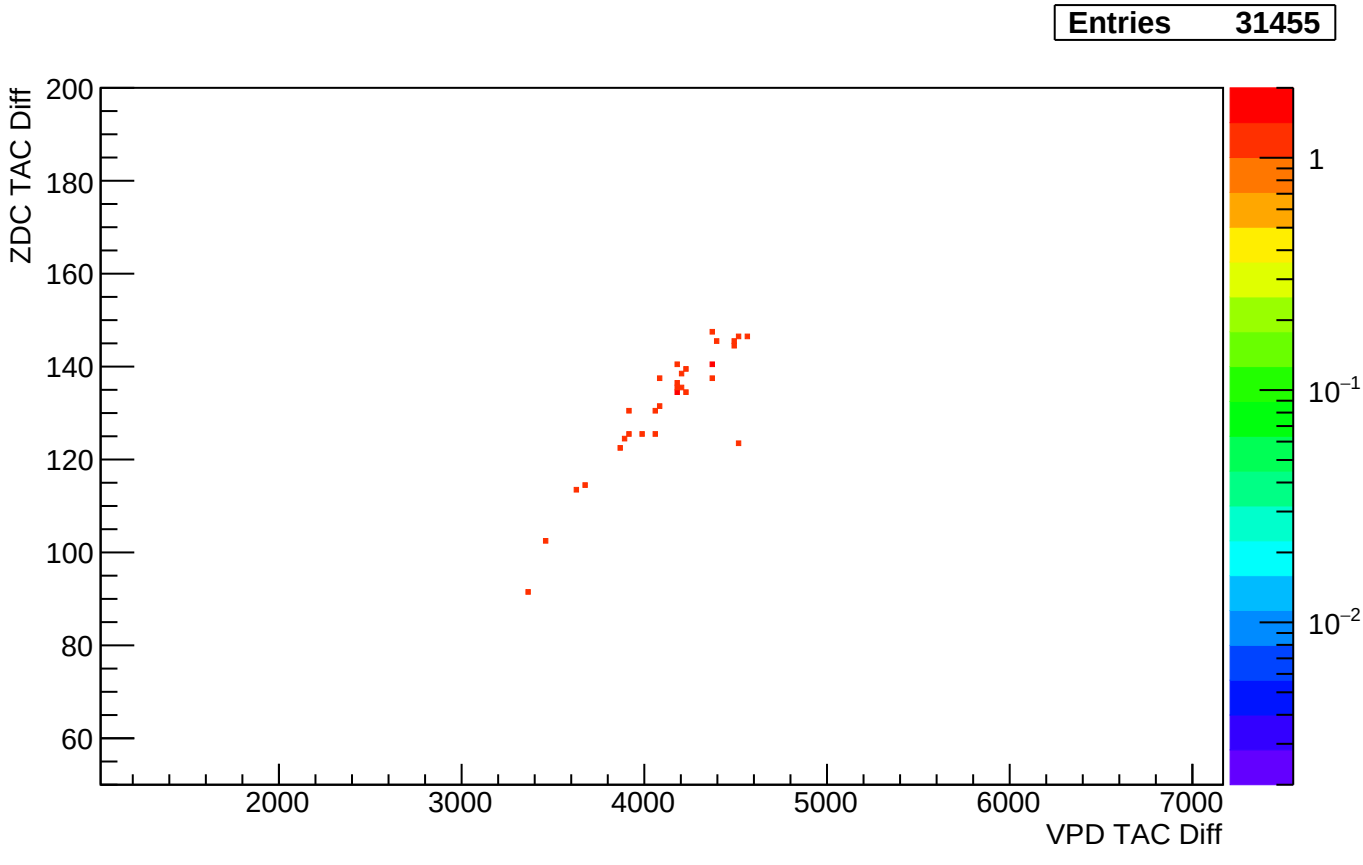

Entries 31455
TOF-Mult
EPD-East Hit Cnt

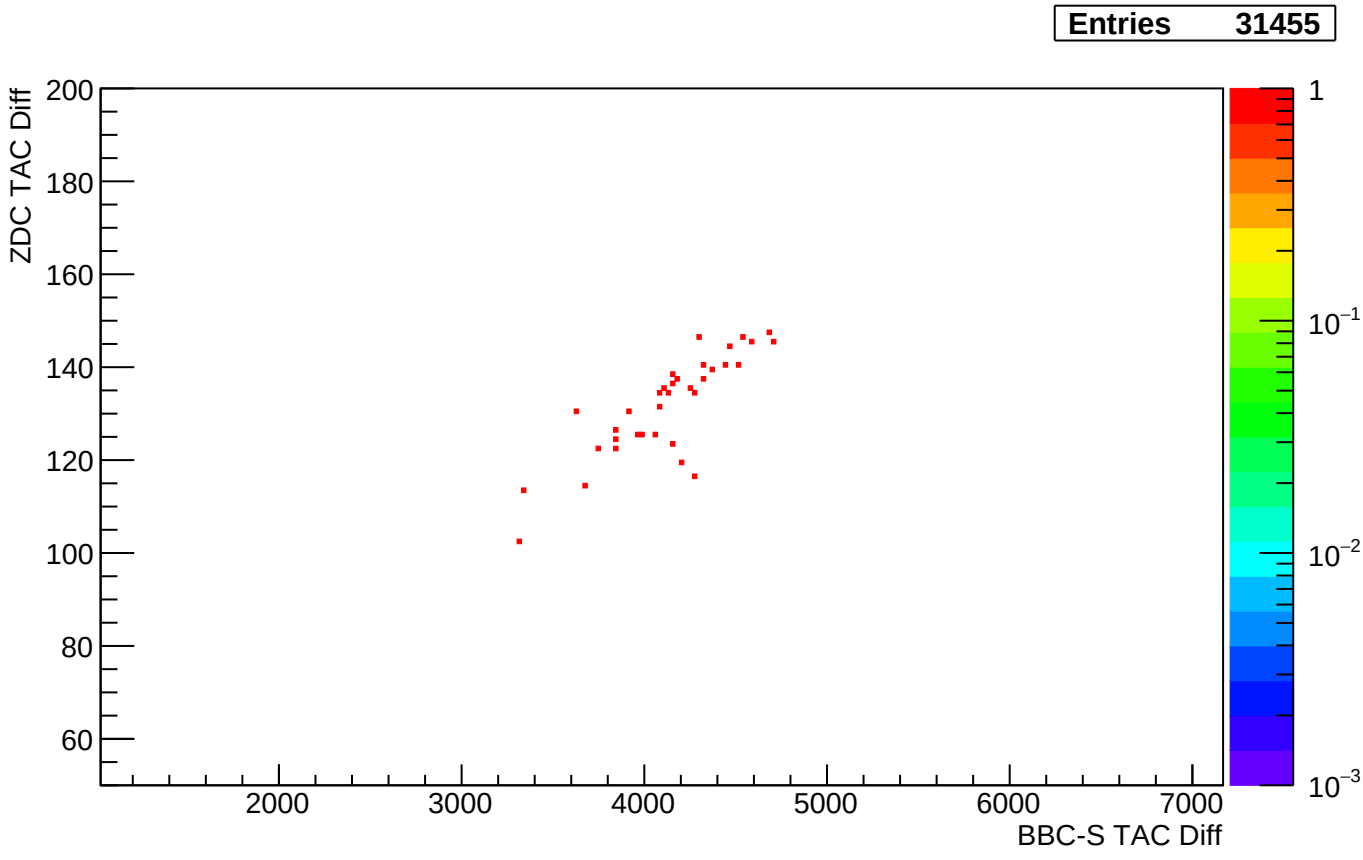

Entries 31455
TOF-Mult
EPD-West Hit Cnt

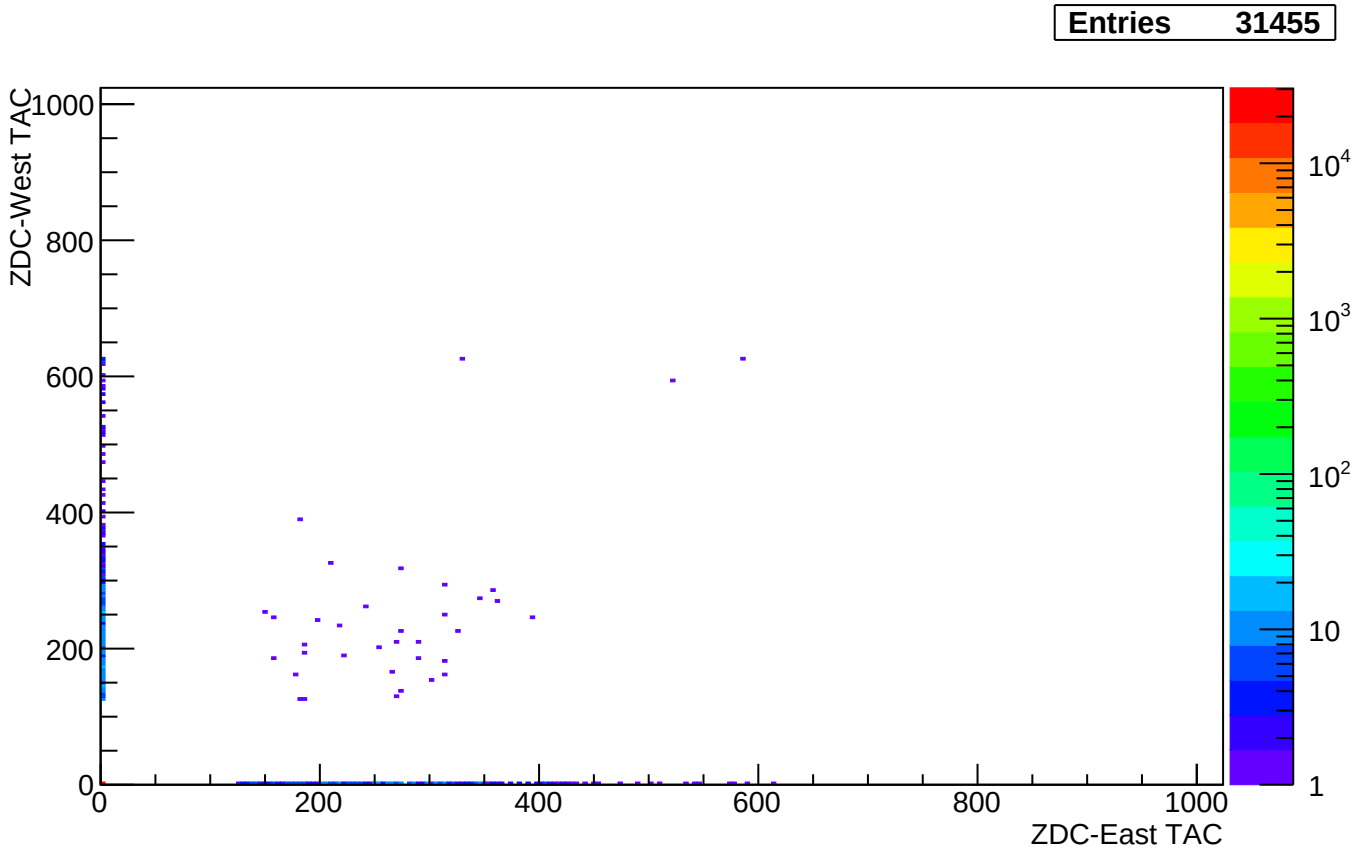

Entries 31455
TOF-Mult
VPD-East ADC Sum

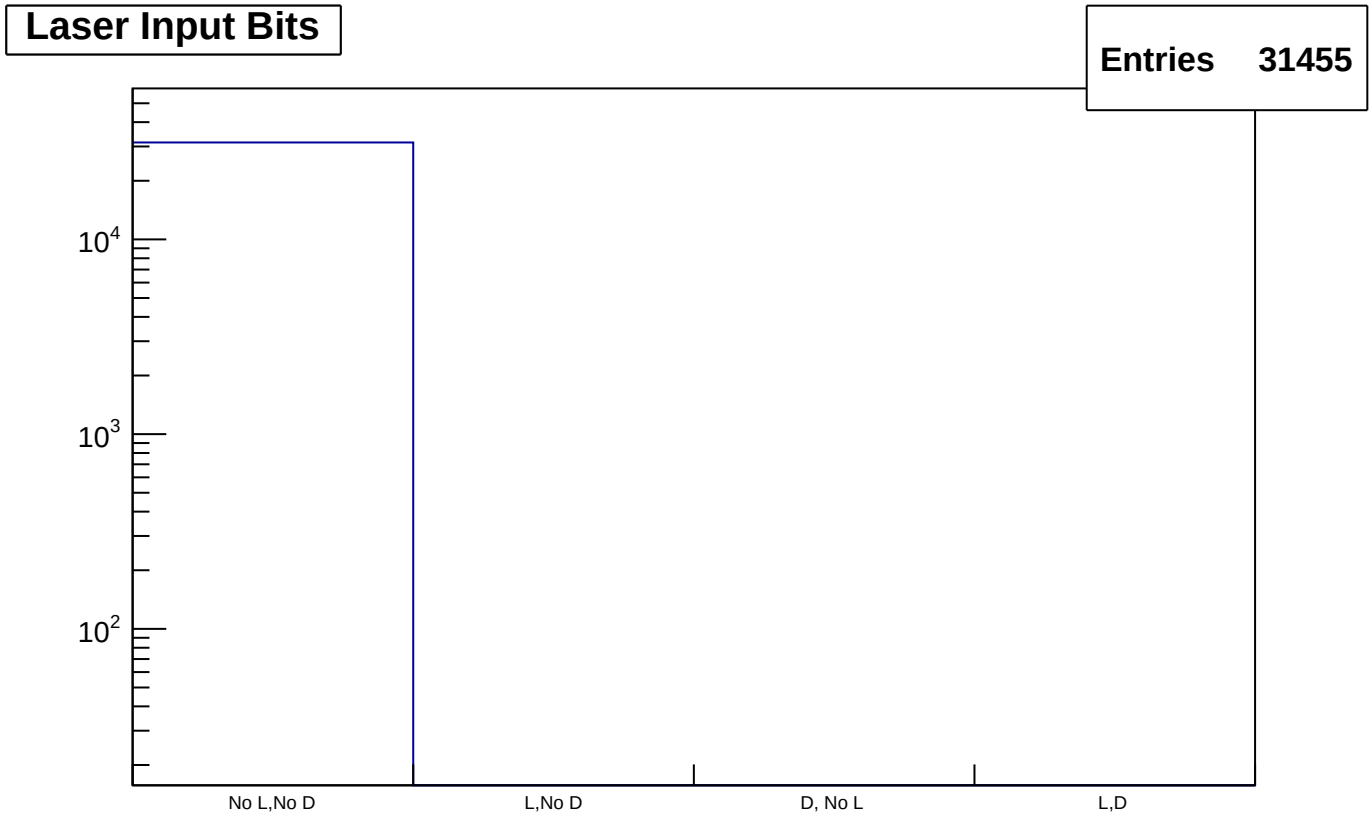

Entries 31455
TOF-Mult
VPD-West ADC Sum

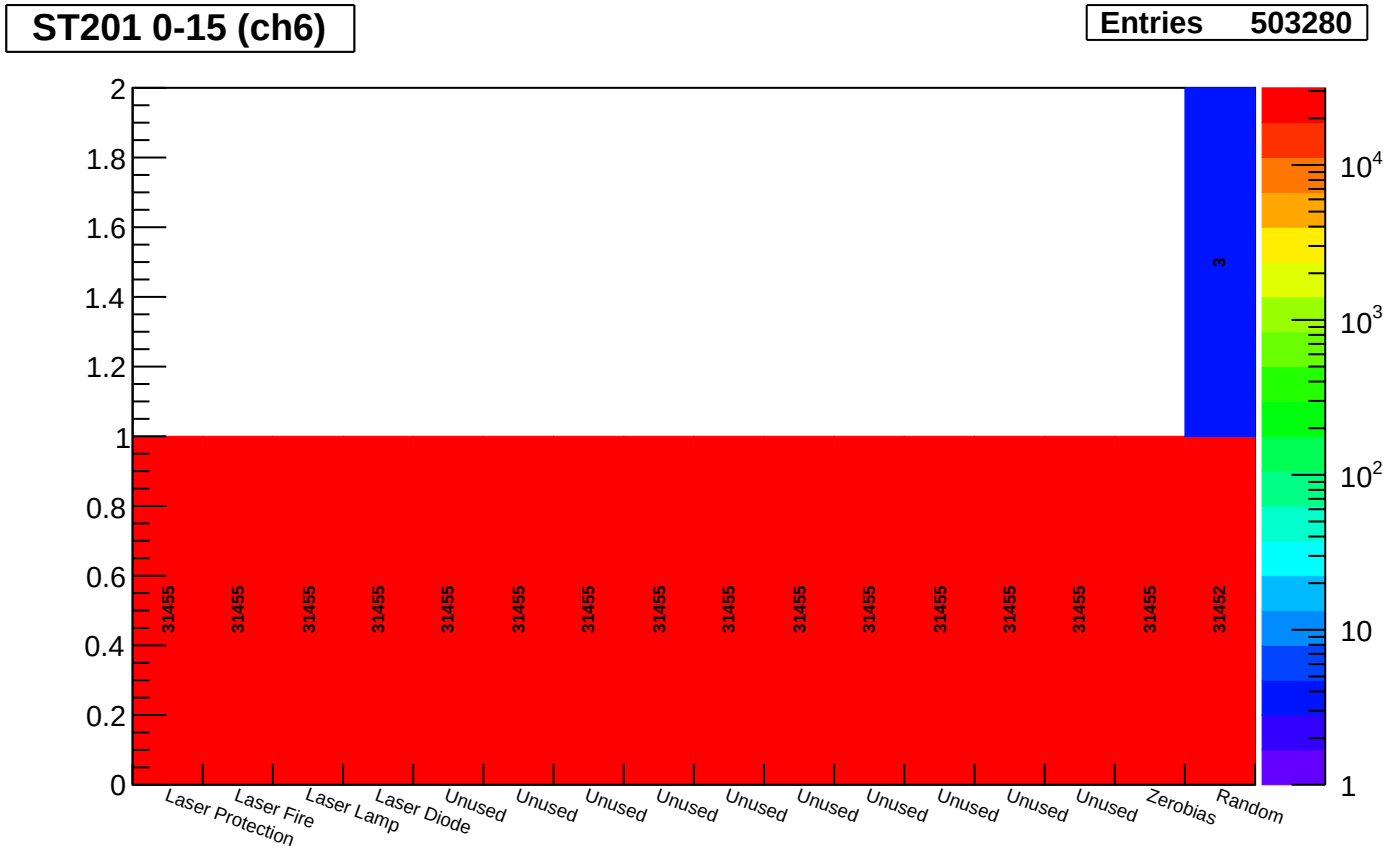

Entries 31455
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

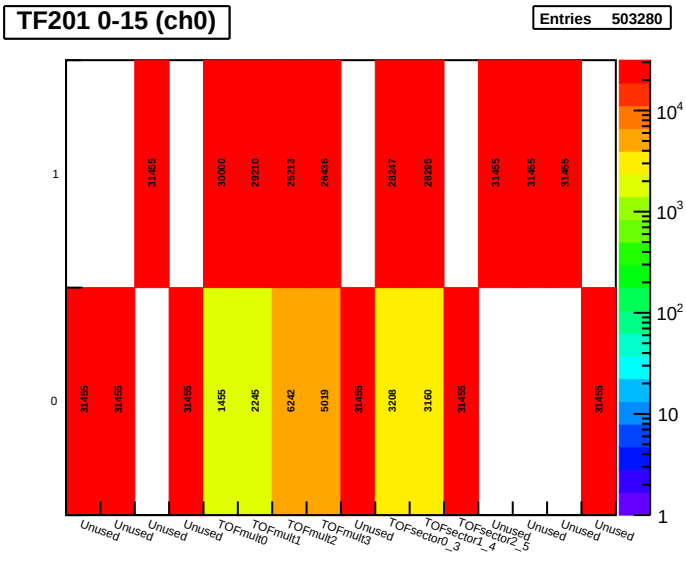

Entries 31455
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

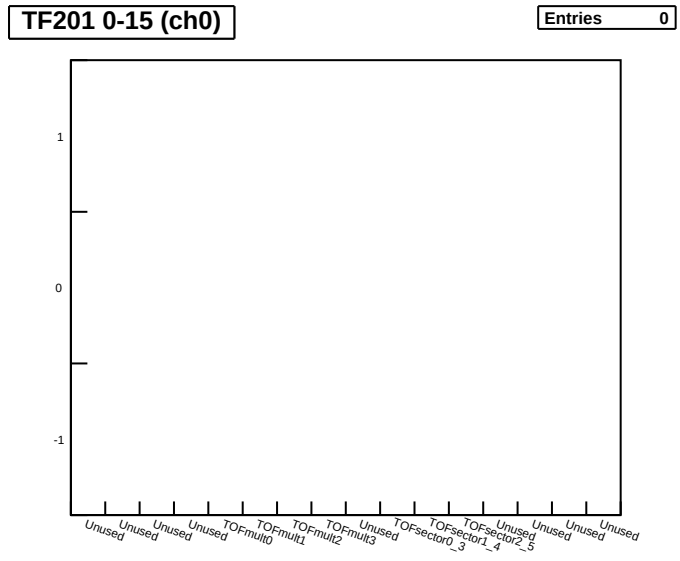

Entries 31455
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

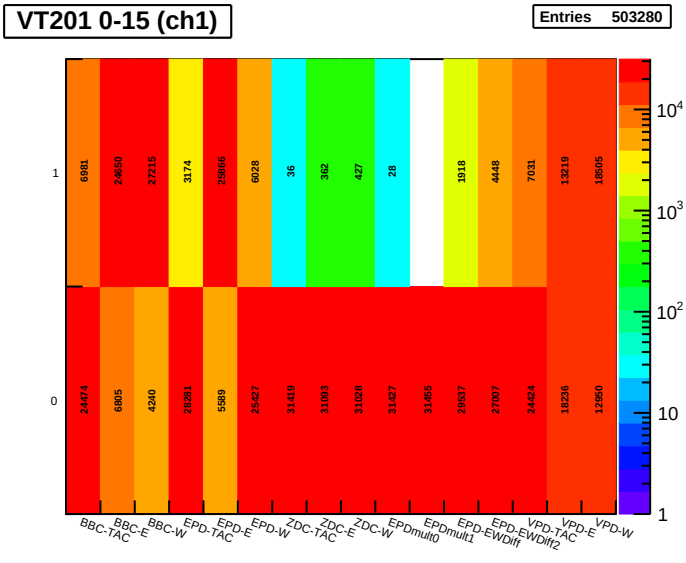

Entries 31455
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

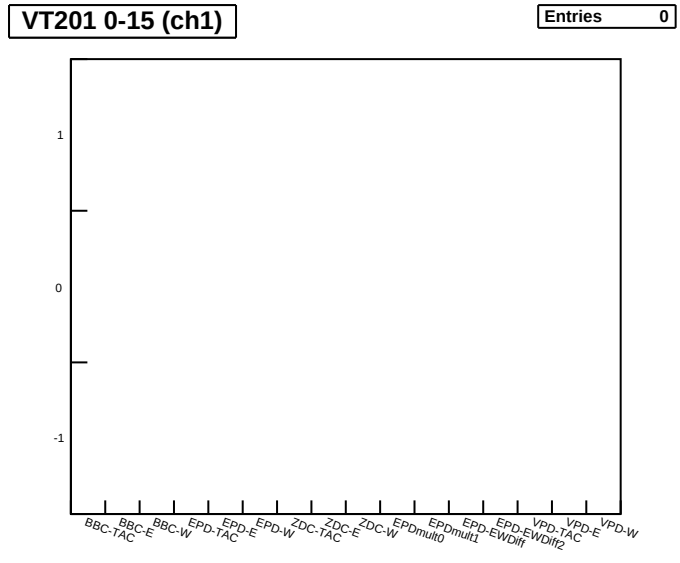

Laser Input Bits
Entries 31455
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

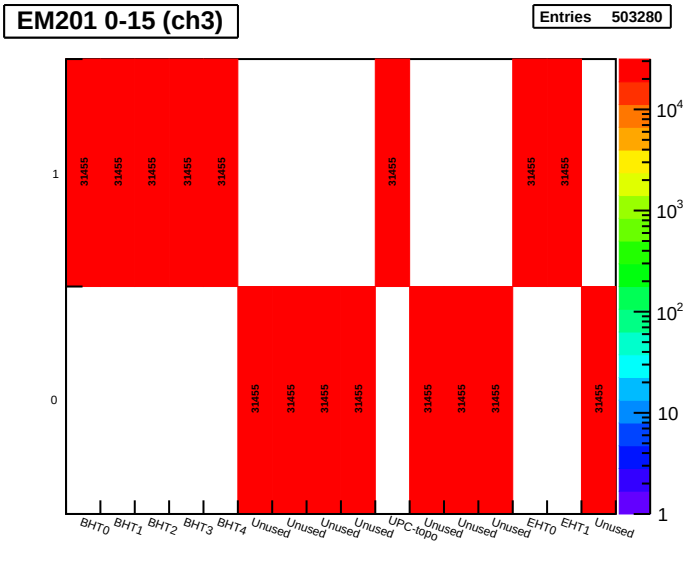

ST201 0-15 (ch6)
Entries 503280
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
31455
31452
3
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

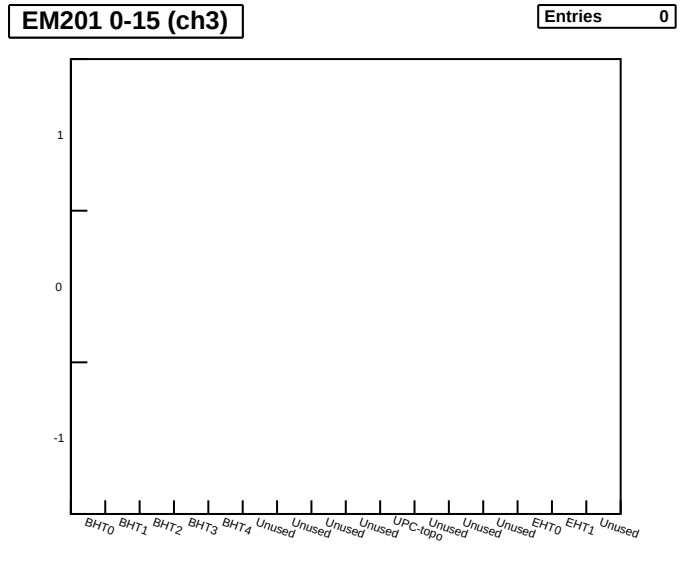

TF201 0-15 (ch0)
Entries 503280
1
0
31455
30000
29210
25213
26436
28247
28295
31455
31455
31455
31455
31455
1455
2245
6242
5019
31455
3208
3160
31455
31455
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 503280
1
0
6981
24650
27215
3174
25866
6028
36
362
427
28
1918
4448
7031
13219
18505
24474
6805
4240
28281
5589
25427
31419
31093
31028
31427
31455
29537
27007
24424
18236
12950
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 503280
1
0
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
31455
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