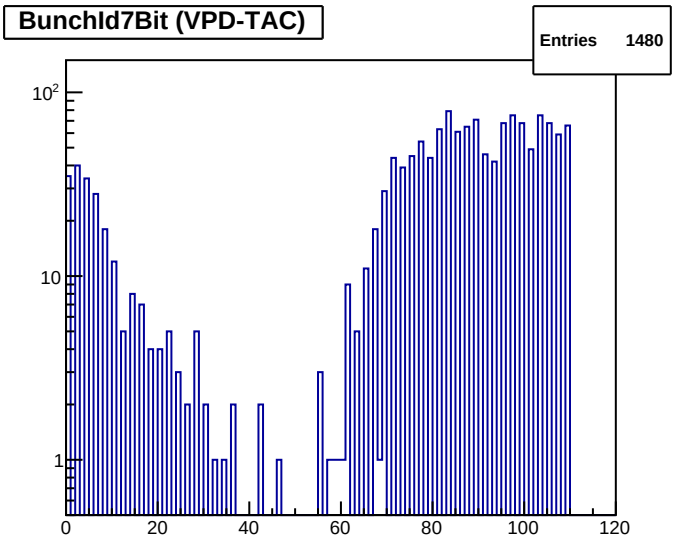
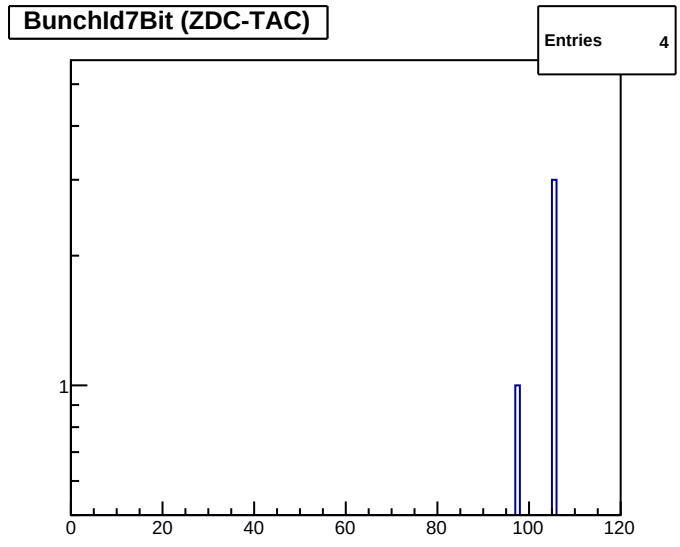
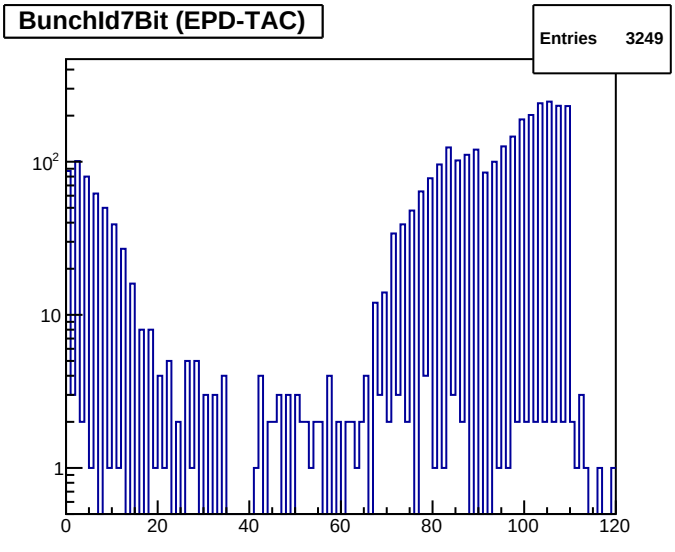
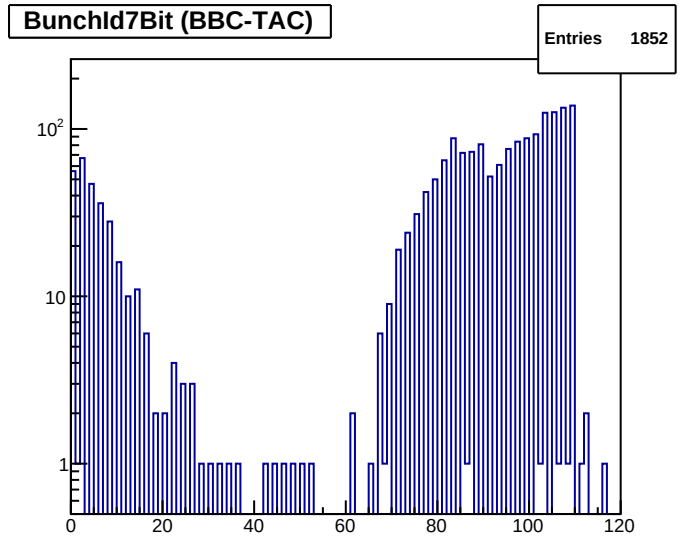
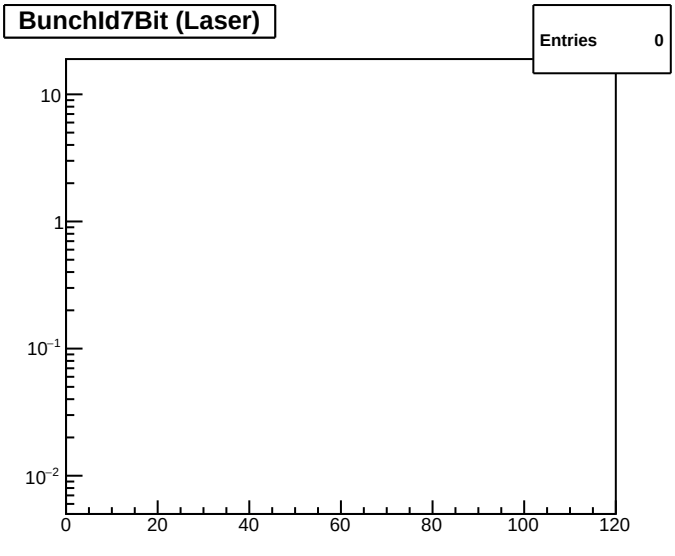
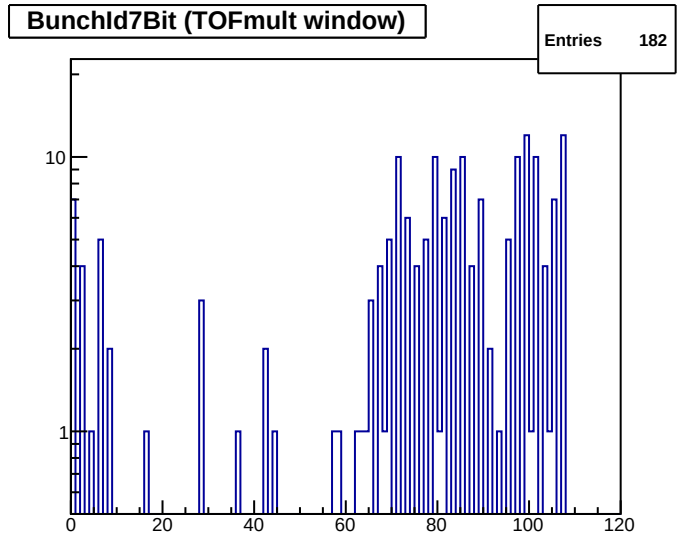

BunchId7Bit (VPD-TAC)
Entries 1480

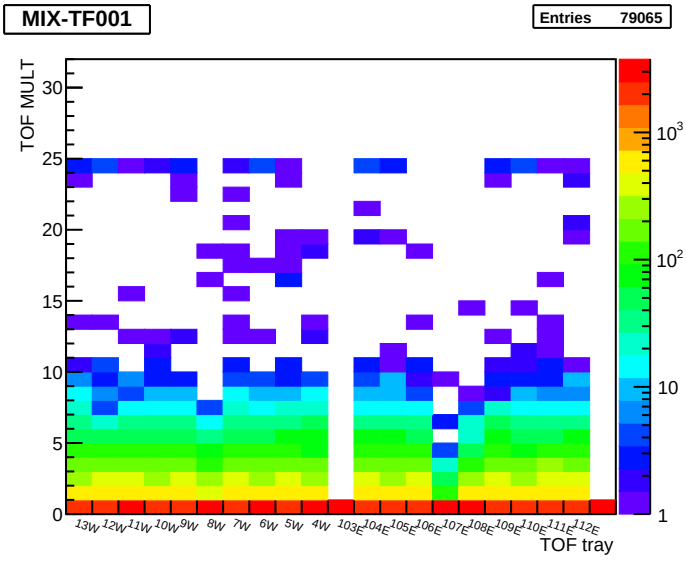

BunchId7Bit (ZDC-TAC)
Entries 4

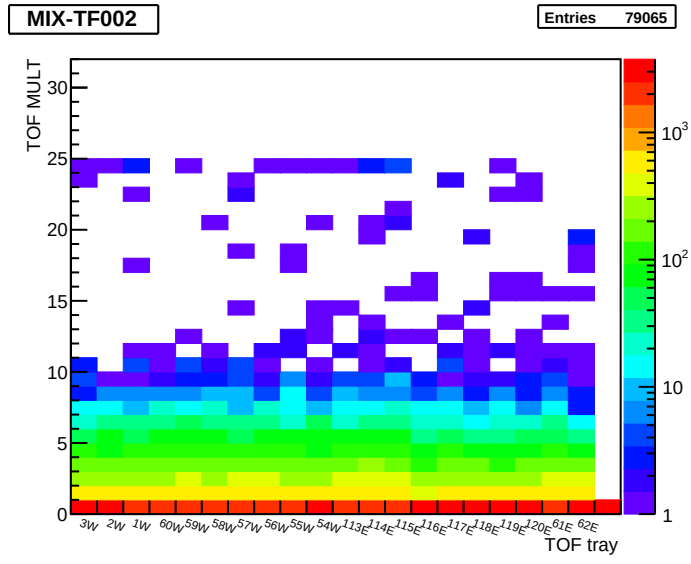

BunchId7Bit (EPD-TAC)
Entries 3249

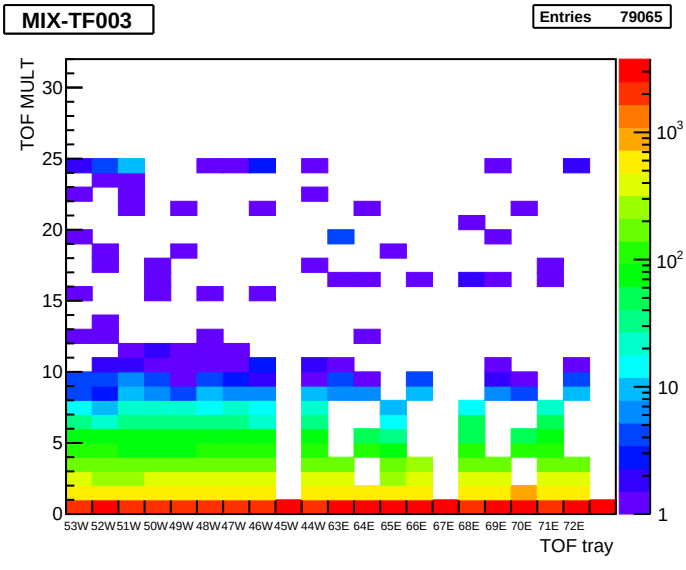

BunchId7Bit (BBC-TAC)
Entries 1852

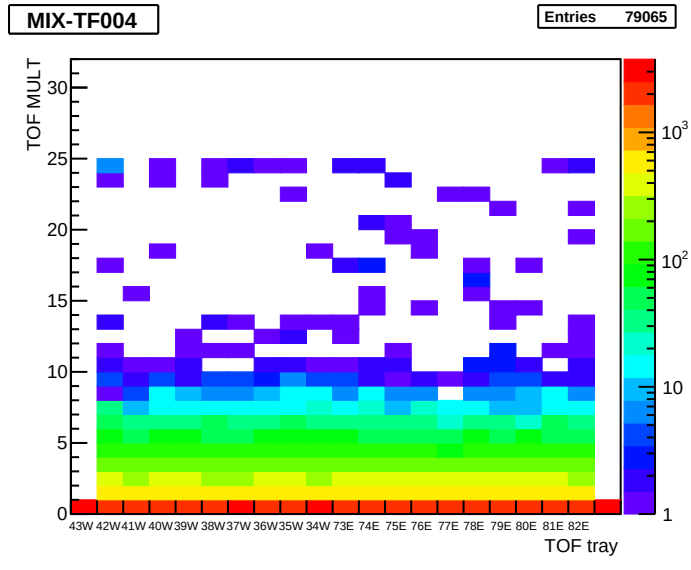

BunchId7Bit (Laser)
Entries 0

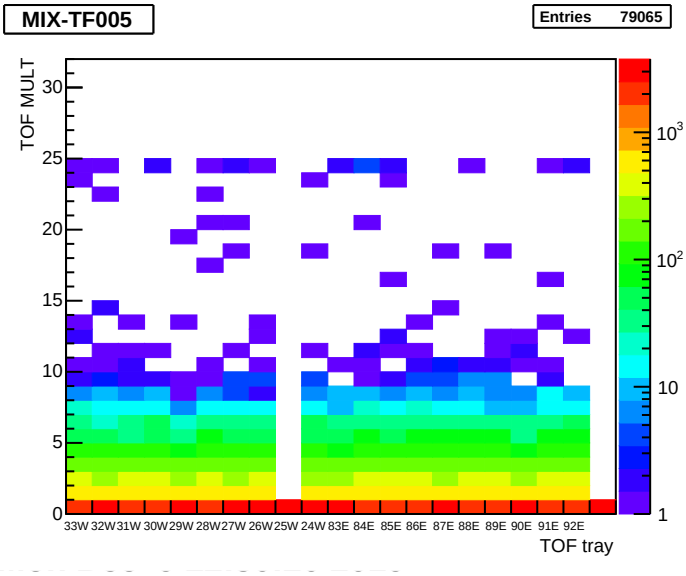

BunchId7Bit (TOFmult window)
Entries 182

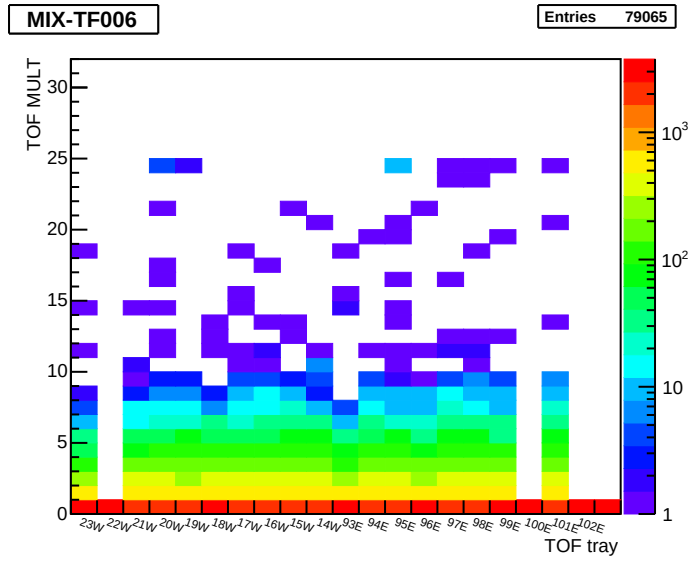

MIX-TF001
Entries 79065
TOF MULT
TOF tray

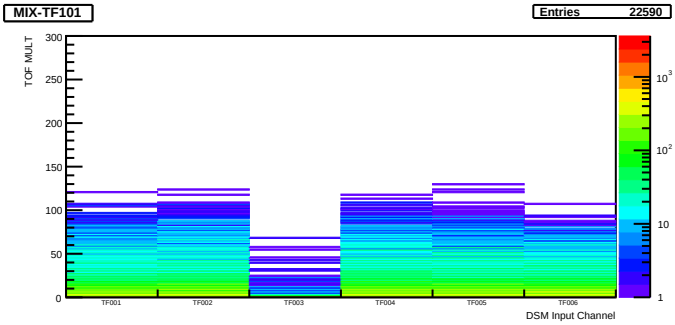

MIX-TF002
Entries 79065
TOF MULT
TOF tray

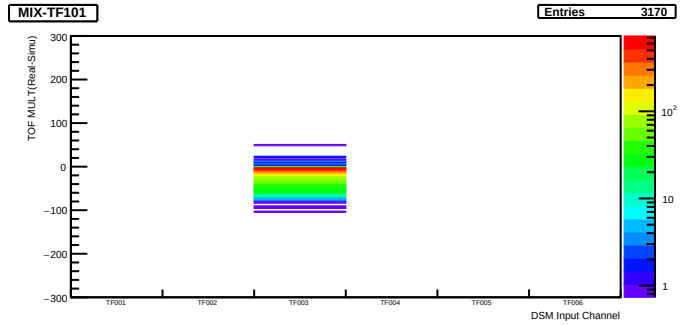

MIX-TF003
Entries 79065
TOF MULT
TOF tray

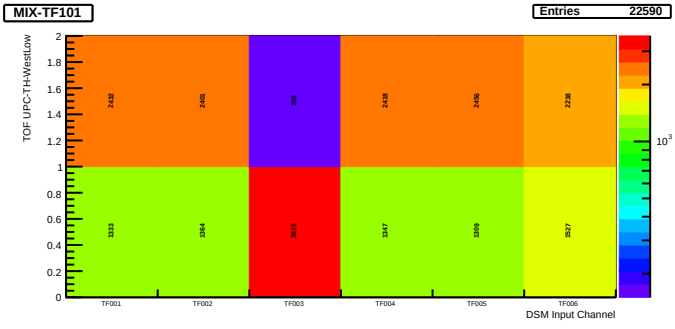

MIX-TF004
Entries 79065
TOF MULT
TOF tray

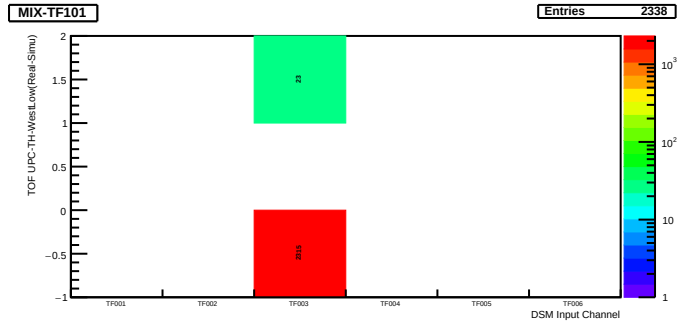

MIX-TF005
Entries 79065
TOF MULT
TOF tray

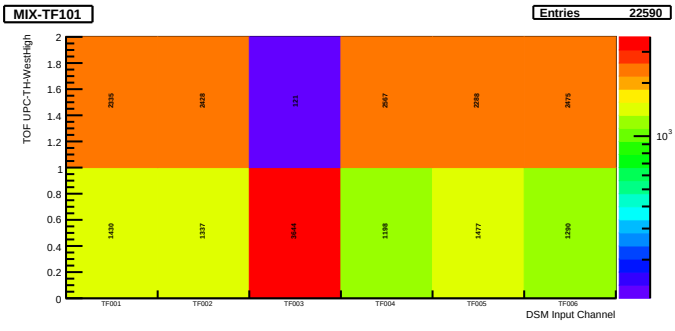

MIX-TF006
Entries 79065
TOF MULT
TOF tray

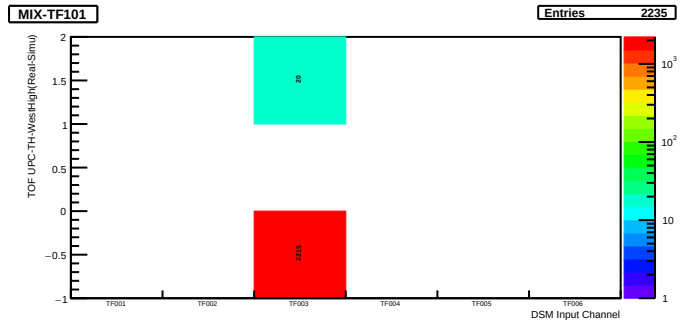

MIX-TF101
Entries 22590
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

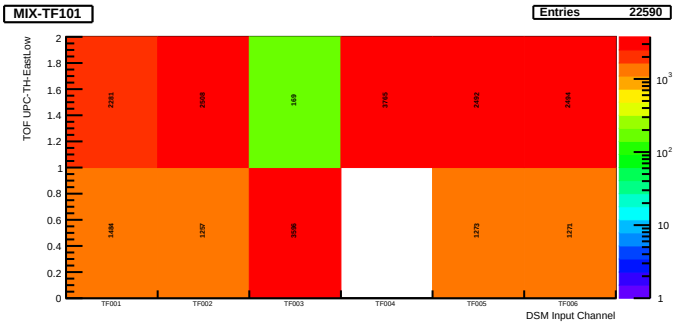

MIX-TF101
Entries 3170
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

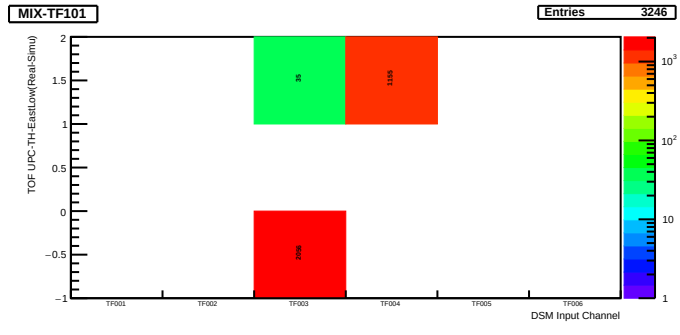

MIX-TF101
Entries 22590
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

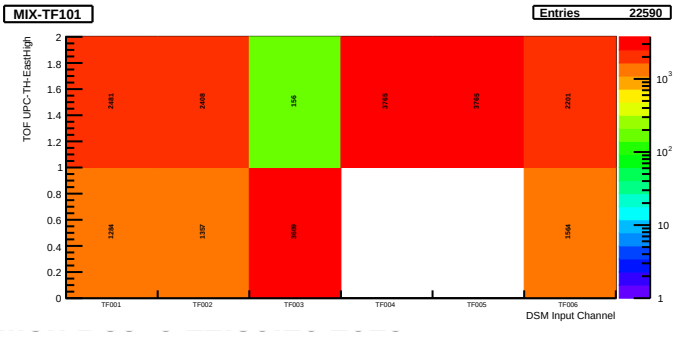

MIX-TF101
Entries 2338
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

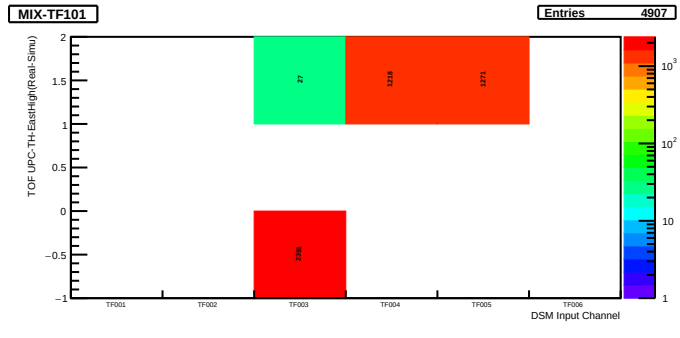

MIX-TF101
Entries 22590
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

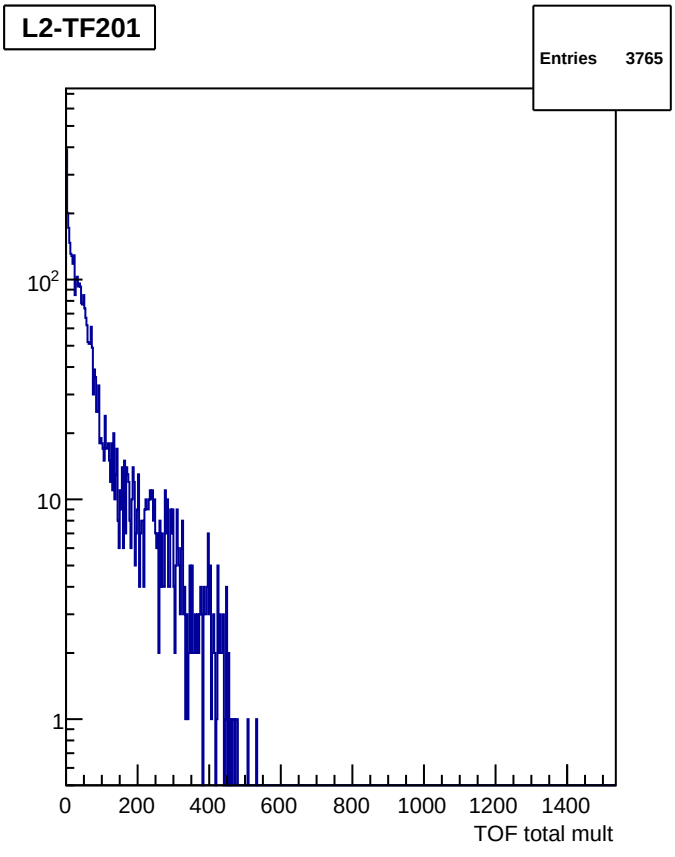

MIX-TF101
Entries 2235
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

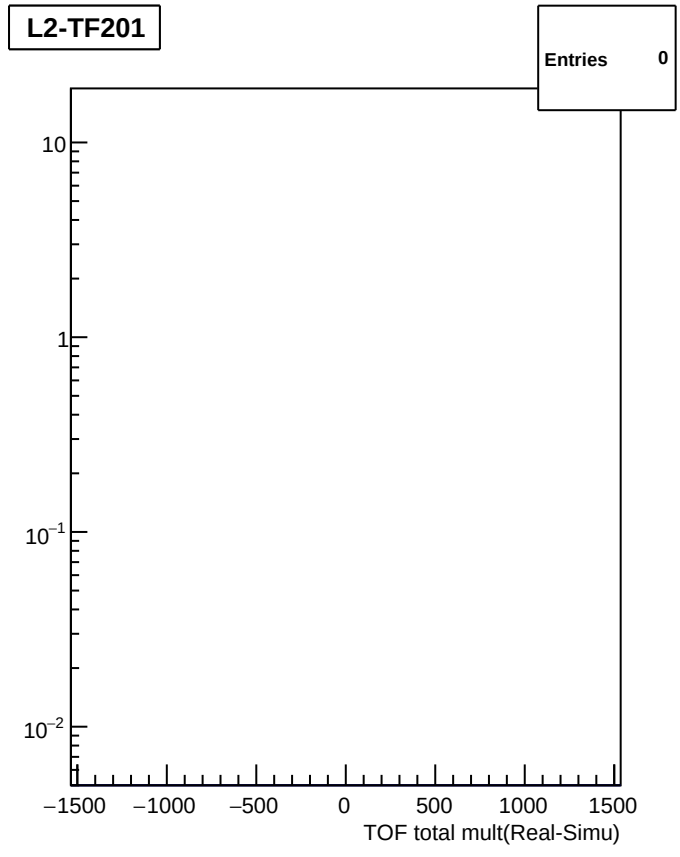

MIX-TF101
Entries 22590
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

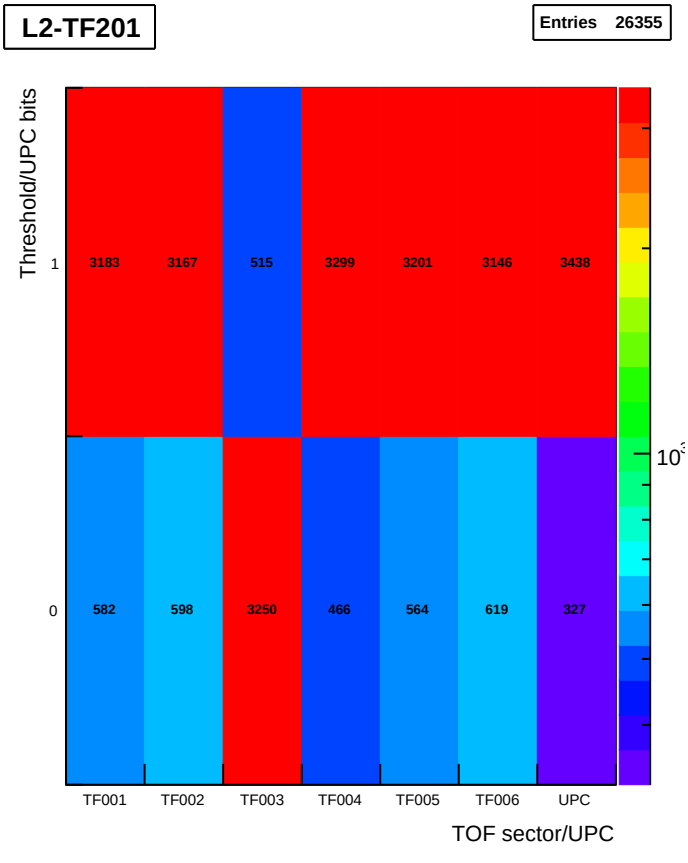

MIX-TF101
Entries 3246
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

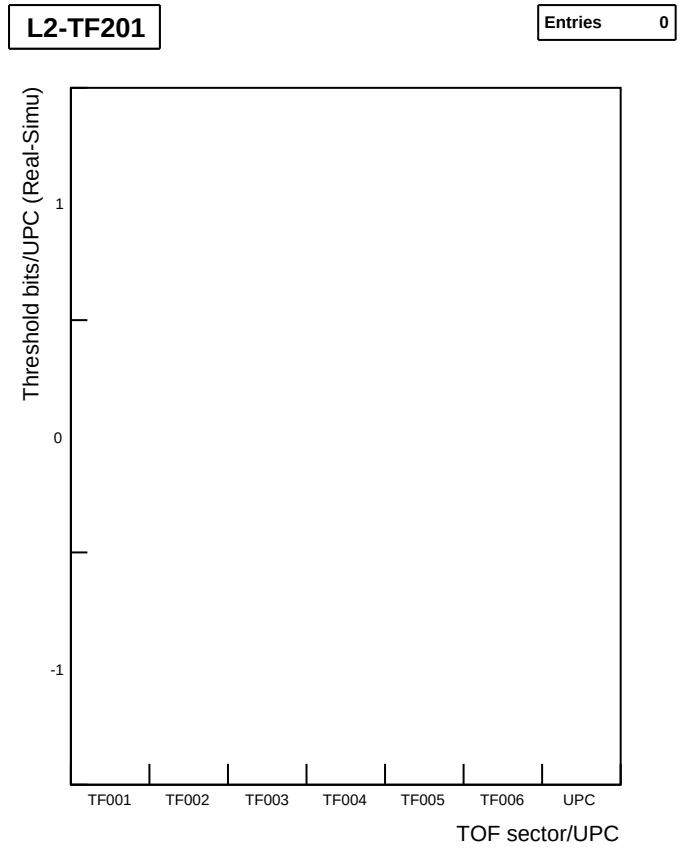

MIX-TF101
Entries 22590
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

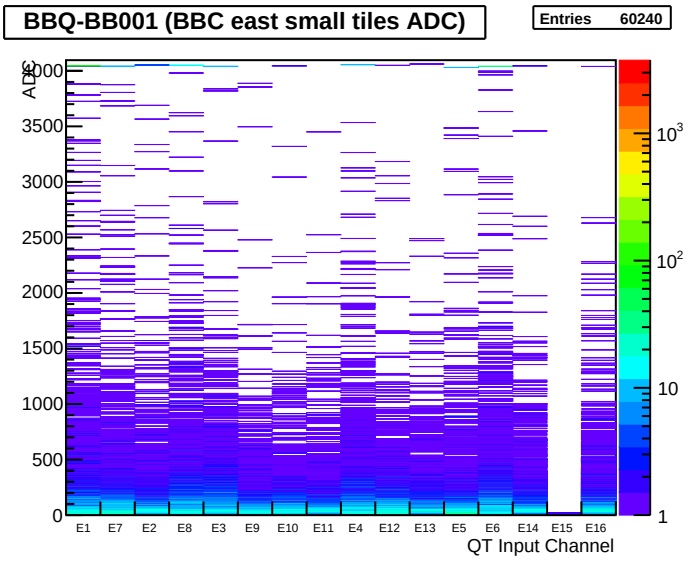

MIX-TF101
Entries 4907
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

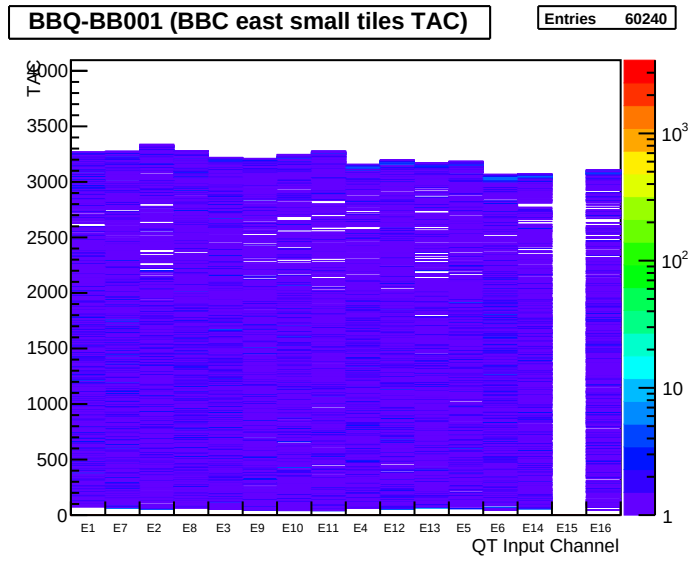

L2-TF201
Entries 3765
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

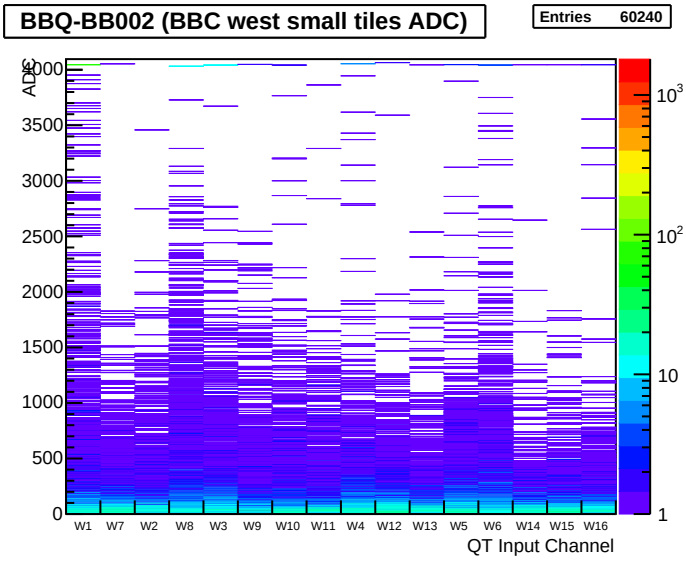

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

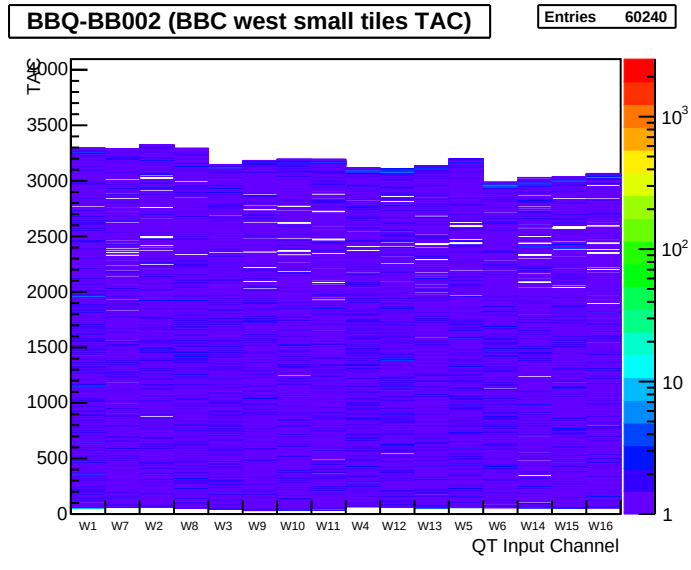

L2-TF201
Entries 26355
Threshold/UPC bits
1
0
3183
3167
515
3299
3201
3146
3438
582
598
3250
466
564
619
327
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

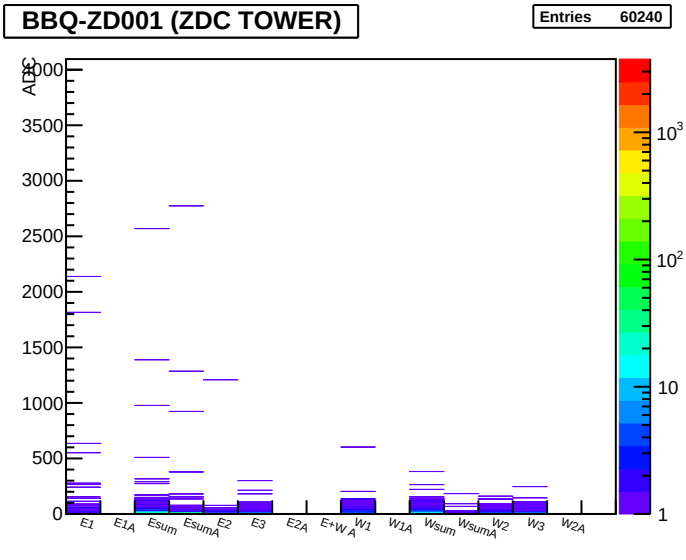

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

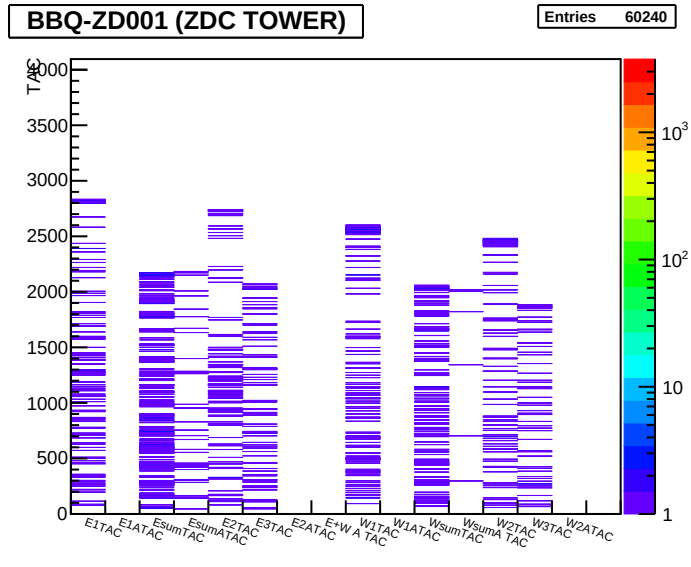

BBQ-BB001 (BBC east small tiles ADC)
Entries 60240
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

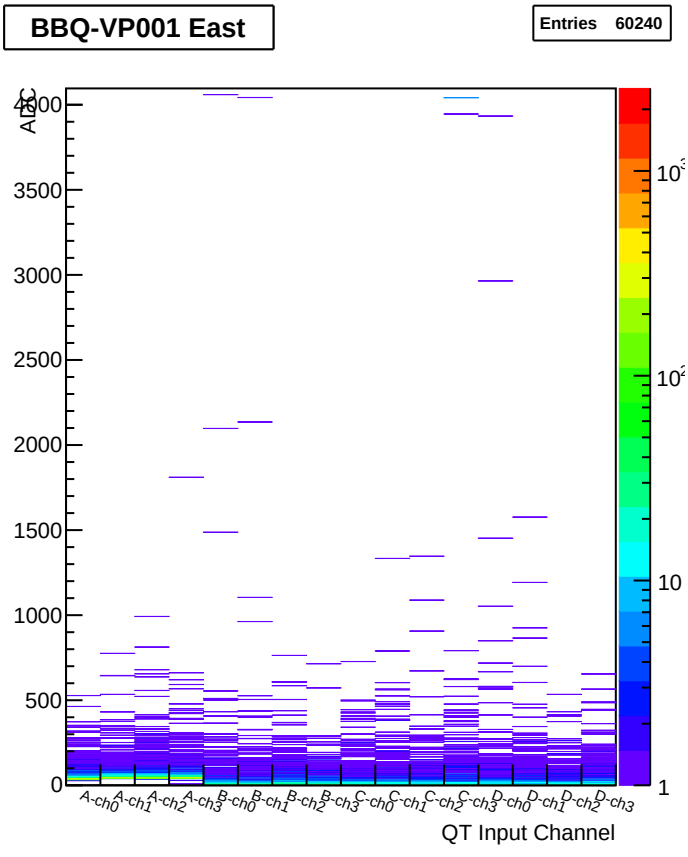

BBQ-BB001 (BBC east small tiles TAC)
Entries 60240
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

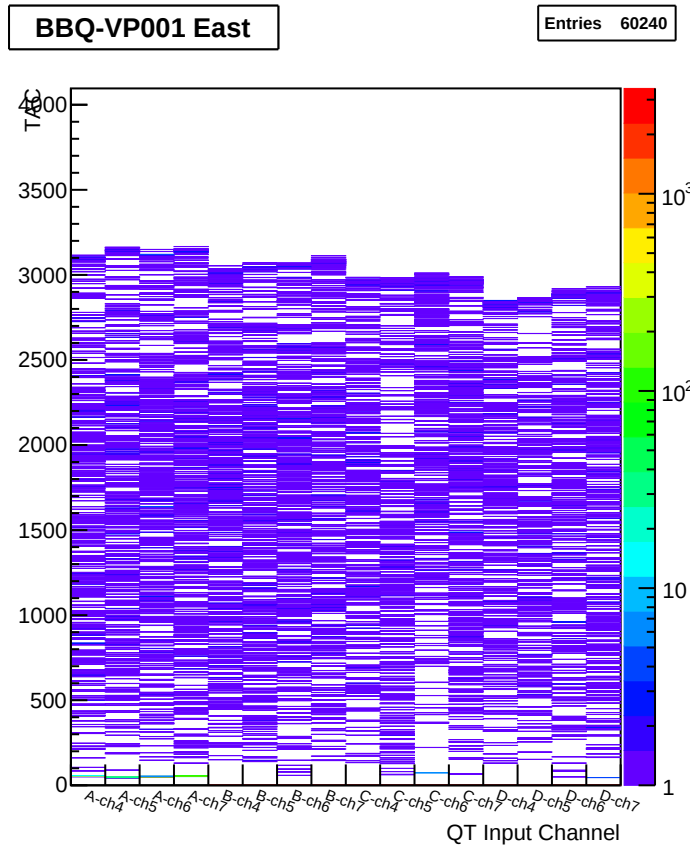

BBQ-BB002 (BBC west small tiles ADC)
Entries 60240
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

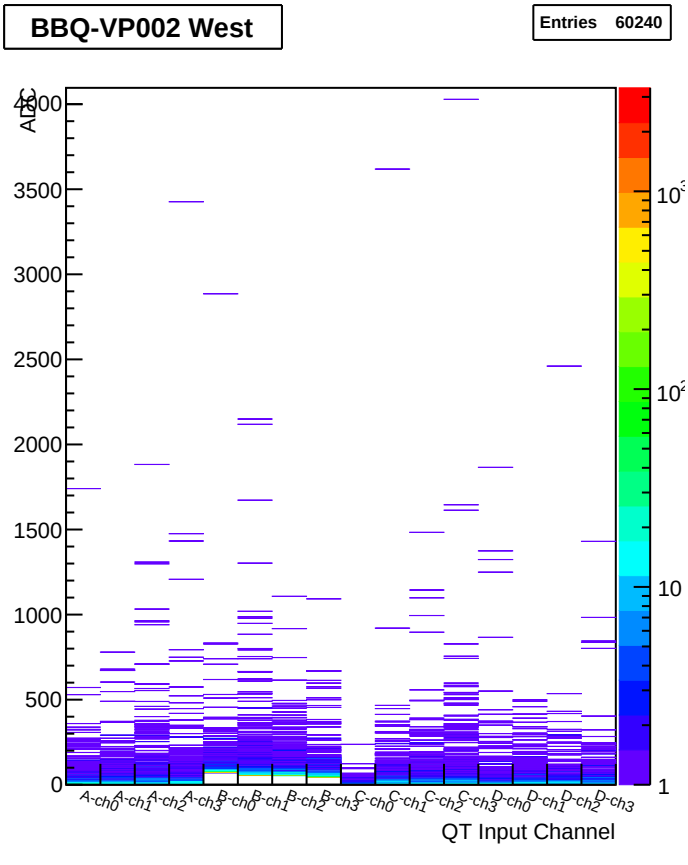

BBQ-BB002 (BBC west small tiles TAC)
Entries 60240
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

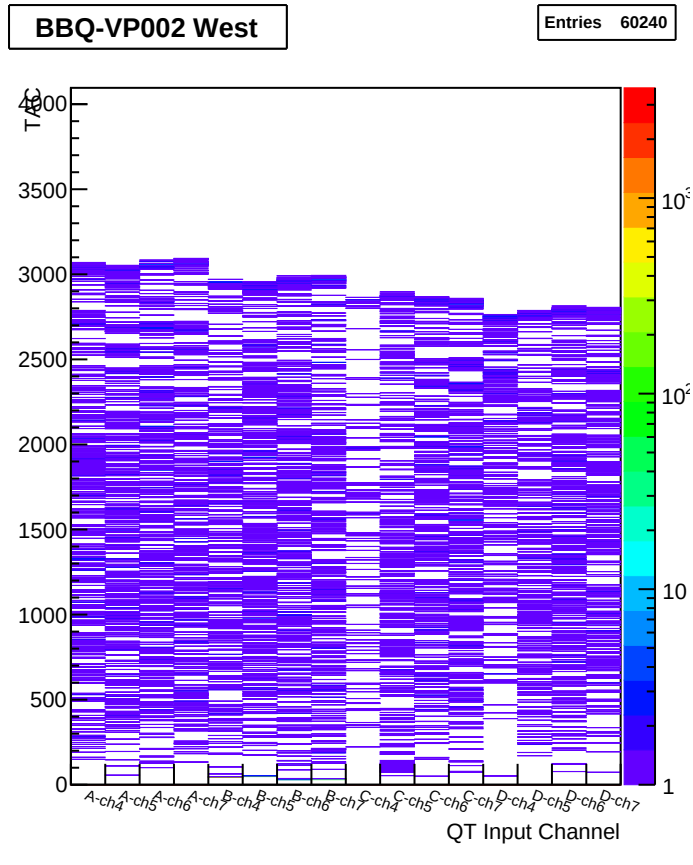

BBQ-ZD001 (ZDC TOWER)
Entries 60240
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

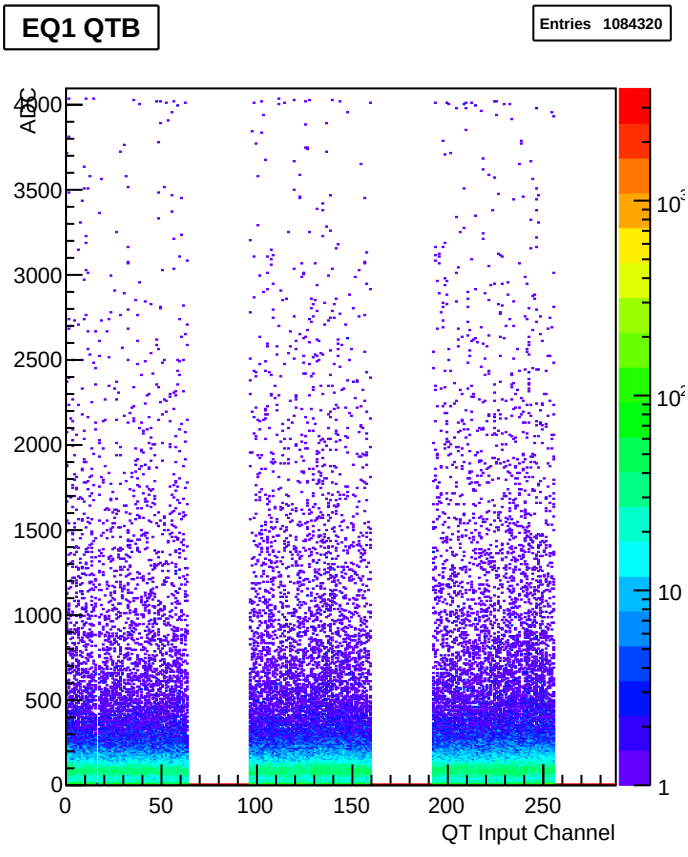

BBQ-ZD001 (ZDC TOWER)
Entries 60240
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

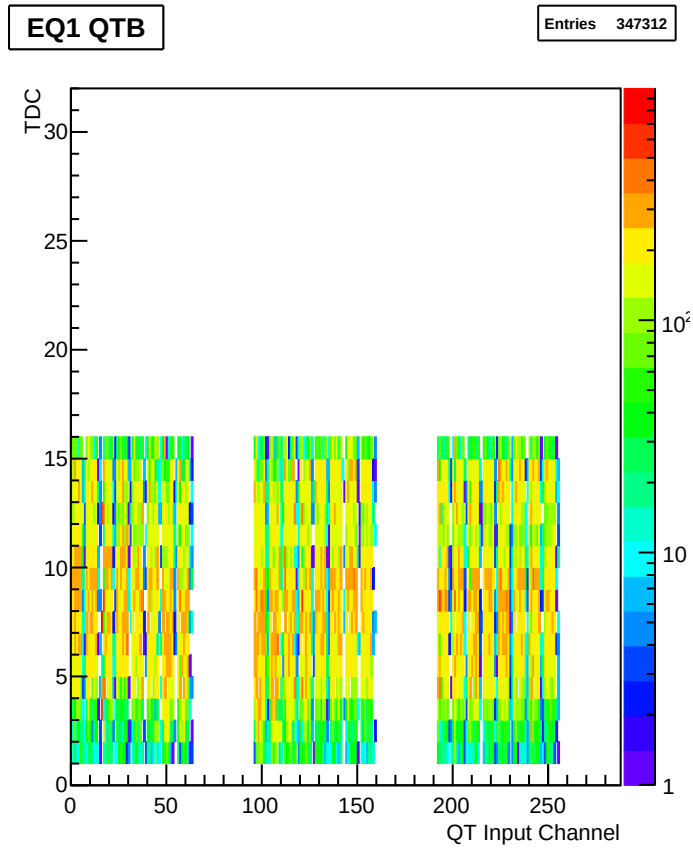

BBQ-VP001 East
Entries 60240
ADC
QT Input Channel

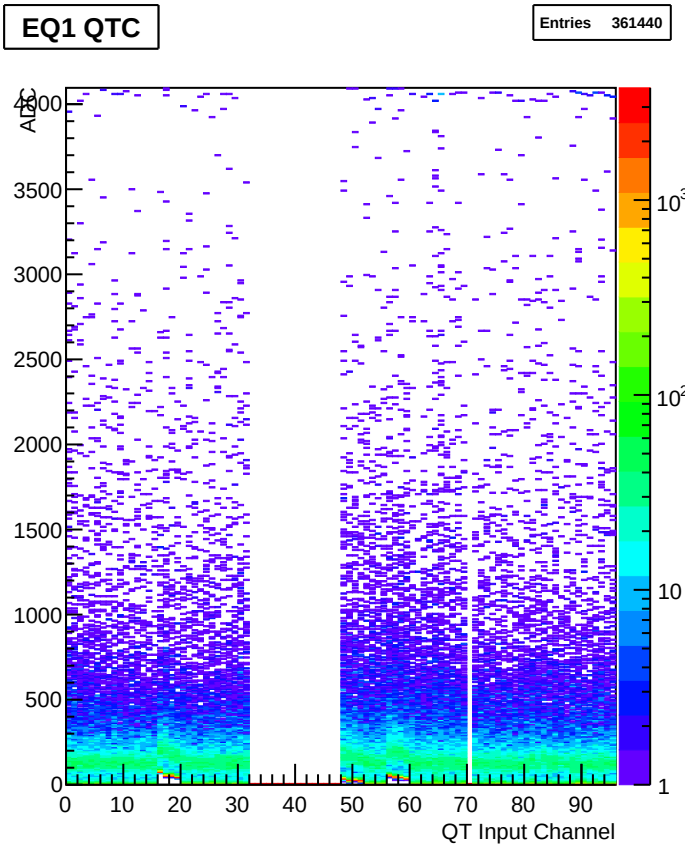

BBQ-VP001 East
Entries 60240
TAC
QT Input Channel

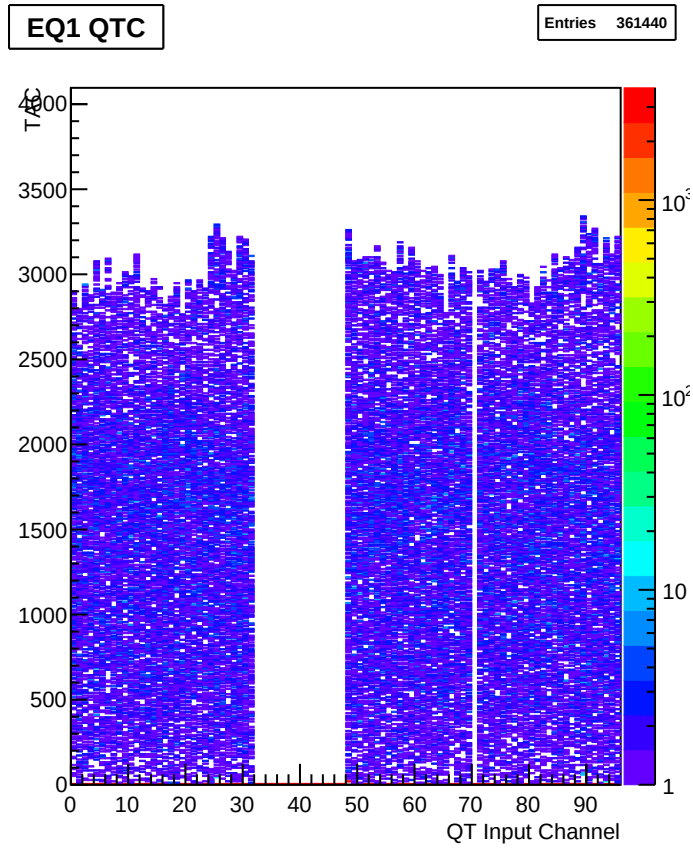

BBQ-VP002 West
Entries 60240
ADC
QT Input Channel

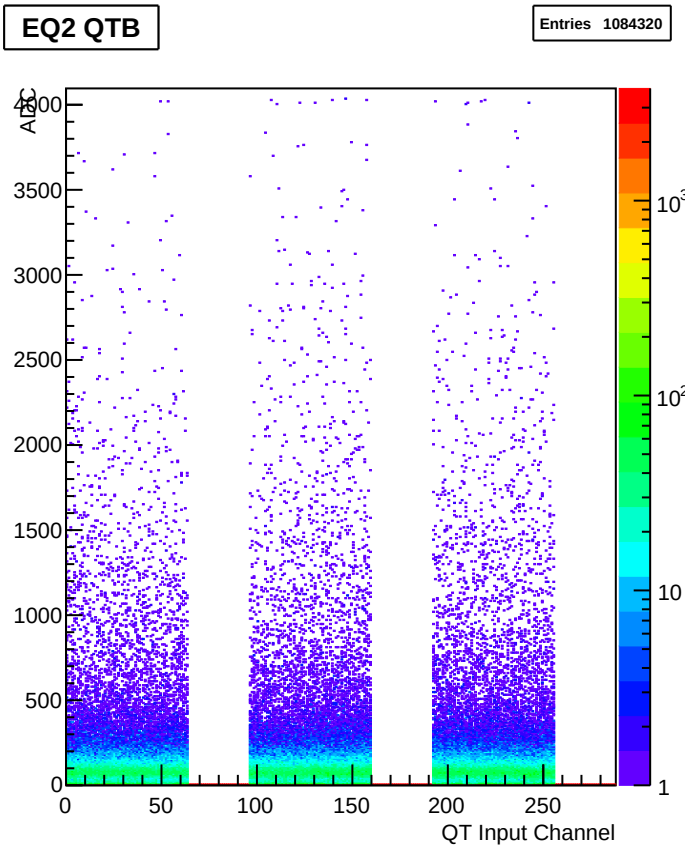

BBQ-VP002 West
Entries 60240
TAC
QT Input Channel

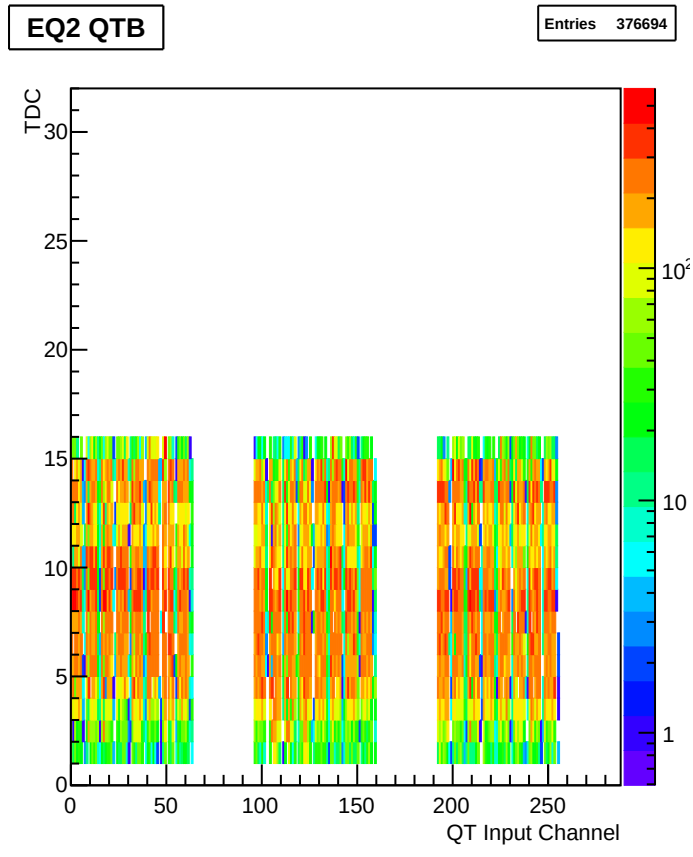

EQ1 QTB
Entries 1084320
ADC
QT Input Channel

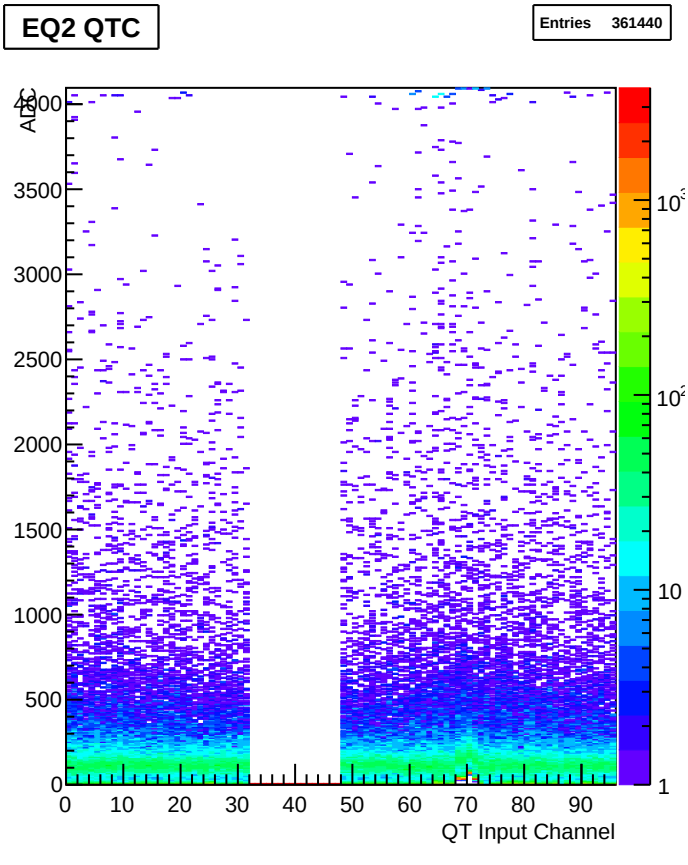

EQ1 QTB
Entries 347312
TDC
QT Input Channel

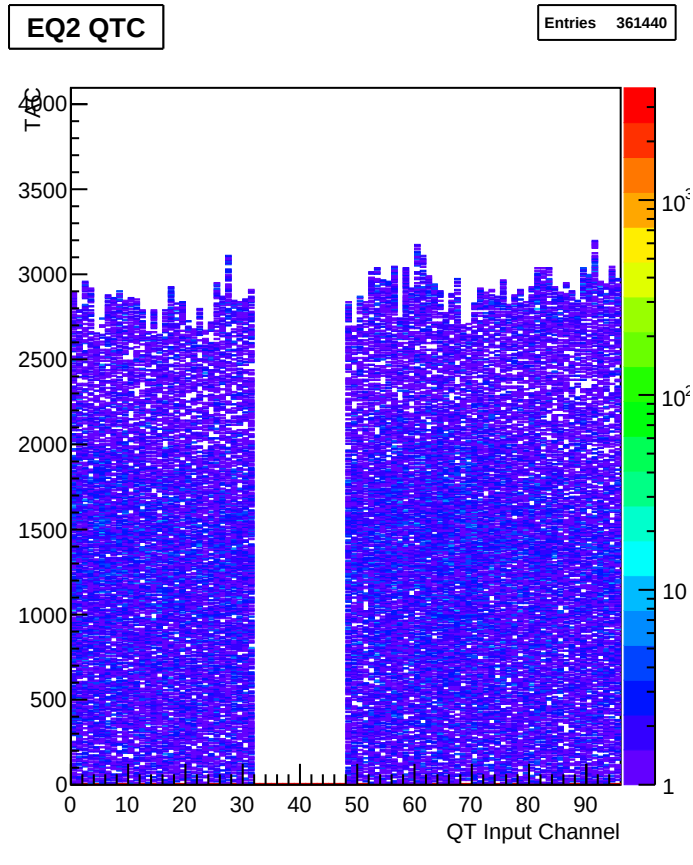

EQ1 QTC
Entries 361440
ADC
QT Input Channel

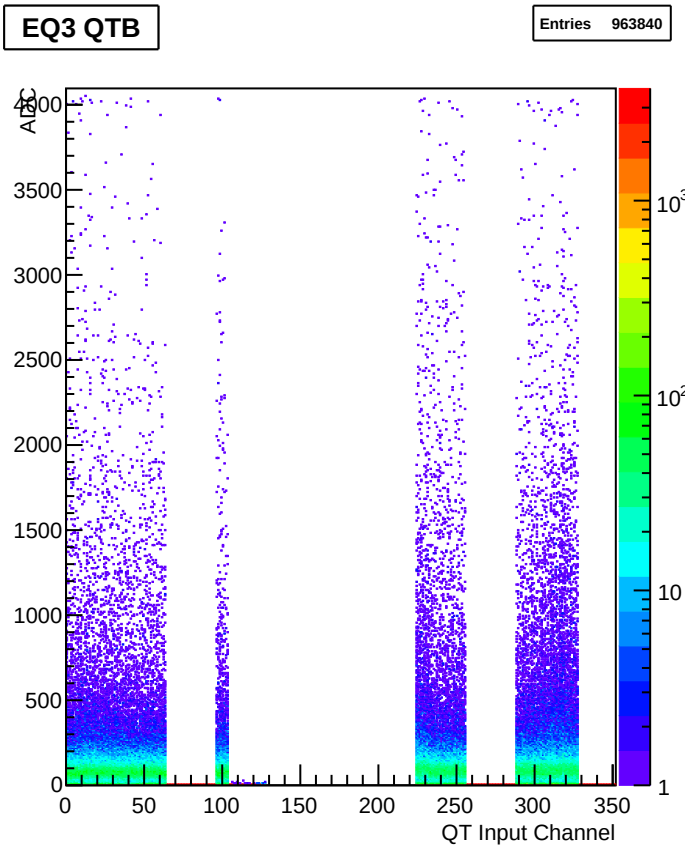

EQ1 QTC
Entries 361440
TADC
QT Input Channel

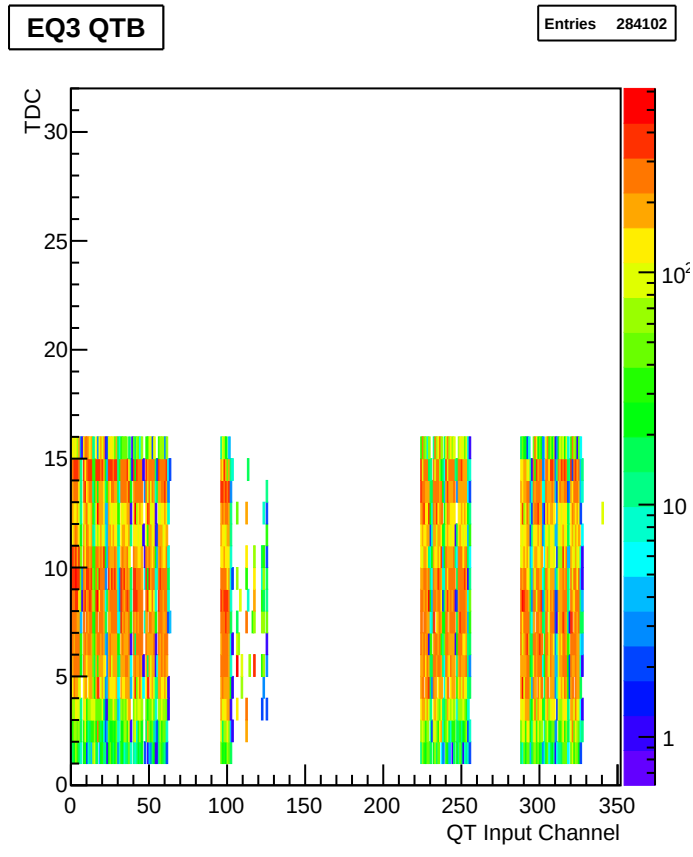

EQ2 QTB
Entries 1084320
ADC
QT Input Channel

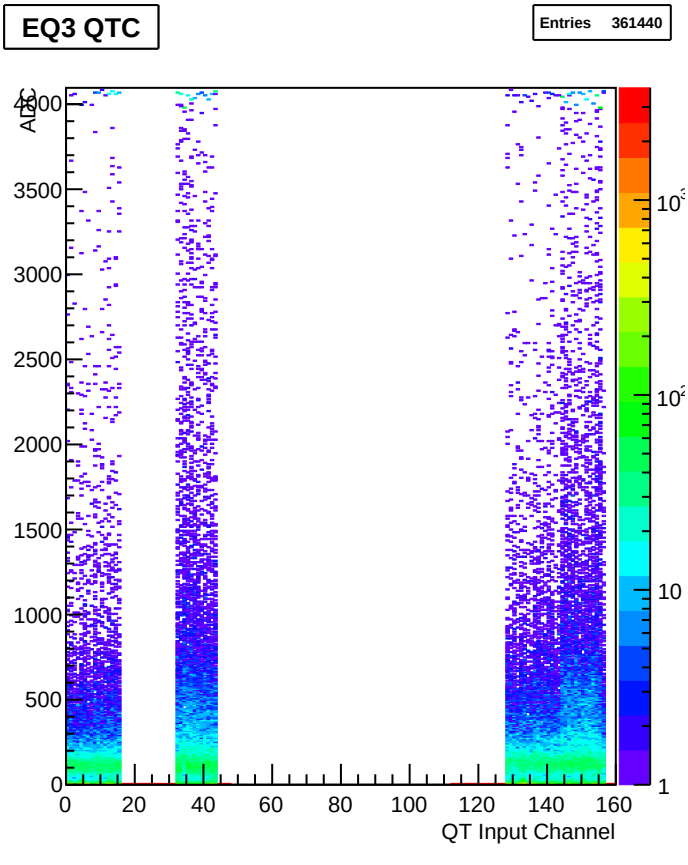

EQ2 QTB
Entries 376694
TDC
QT Input Channel

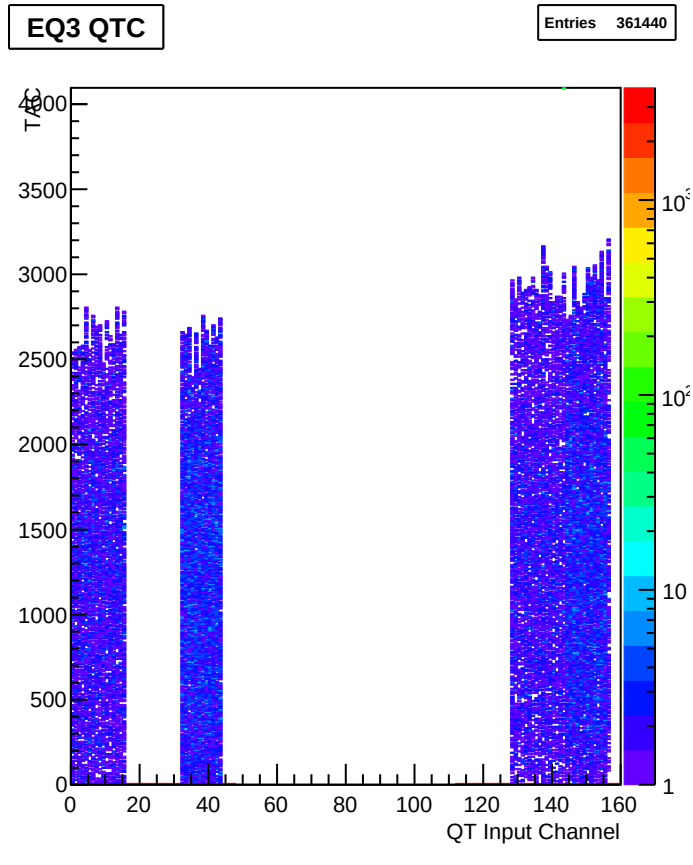

EQ2 QTC
Entries 361440
ADC
QT Input Channel

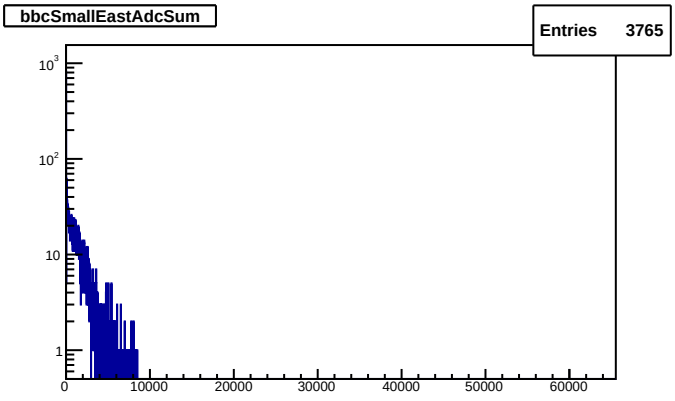

EQ2 QTC
Entries 361440
TADC
QT Input Channel

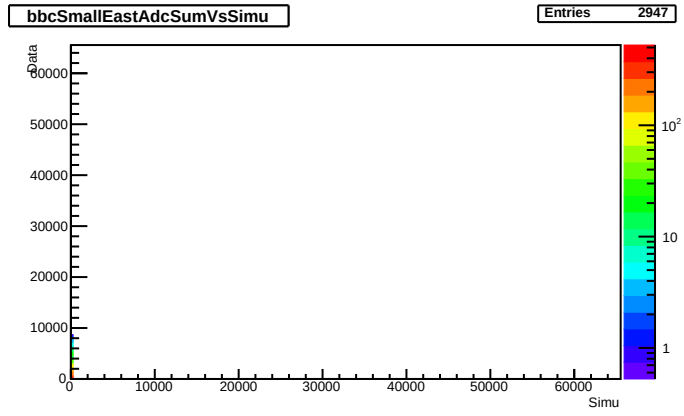

EQ3 QTB
Entries 963840
ADC
QT Input Channel

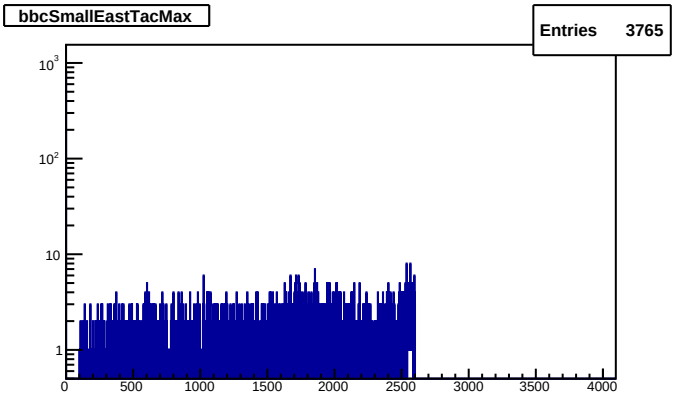

EQ3 QTB
Entries 284102
TDC
QT Input Channel

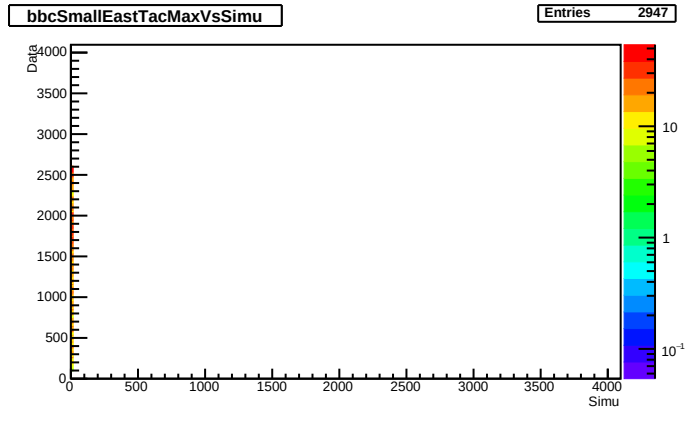

EQ3 QTC
Entries 361440
ADC
QT Input Channel

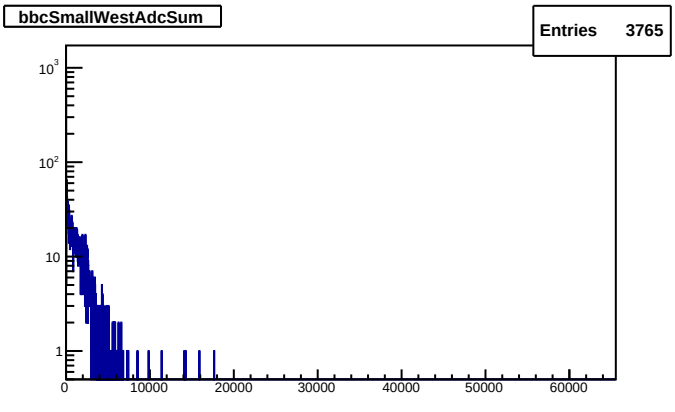

EQ3 QTC
Entries 361440
TADC
QT Input Channel

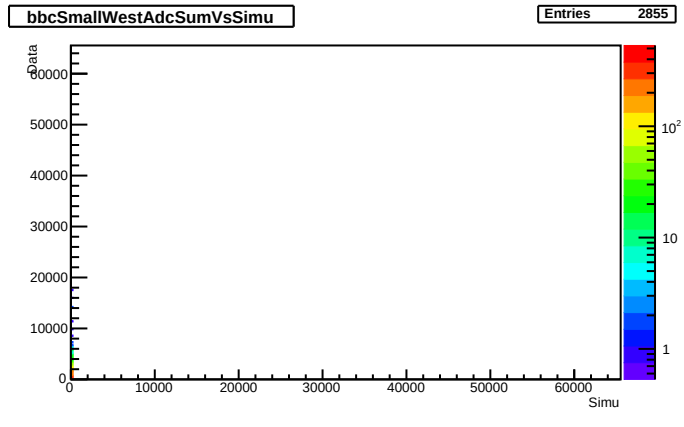

bbcSmallEastAdcSum
Entries 3765

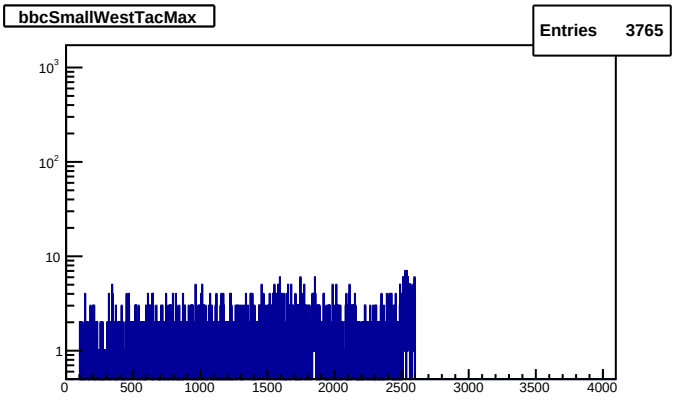

bbcSmallEastAdcSumVsSimu
Entries 2947
Data
Simu

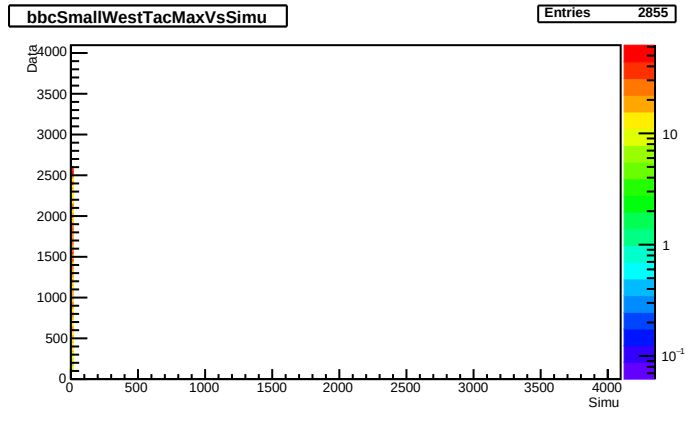

bbcSmallEastTacMax
Entries 3765

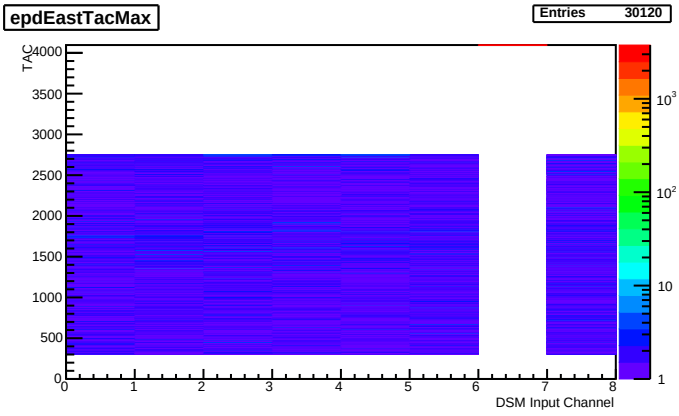

bbcSmallEastTacMaxVsSimu
Entries 2947
Data
Simu

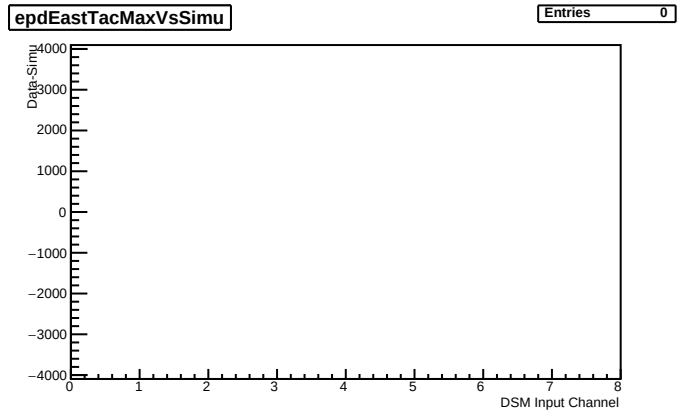

bbcSmallWestAdcSum
Entries 3765

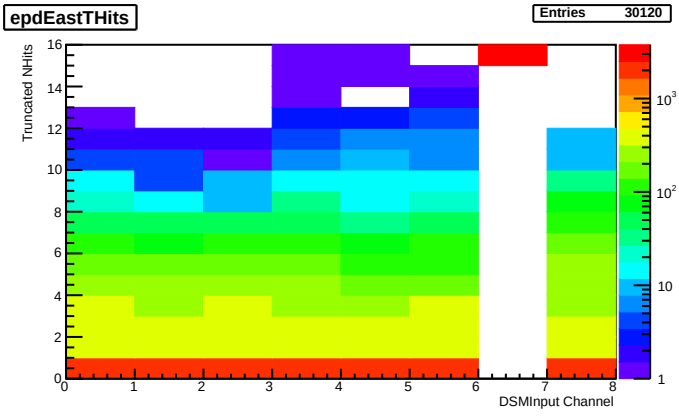

bbcSmallWestAdcSumVsSimu
Entries 2855
Data
Simu

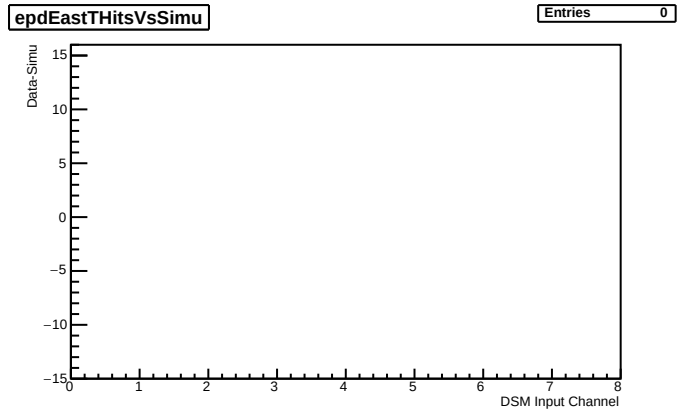

bbcSmallWestTacMax
Entries 3765

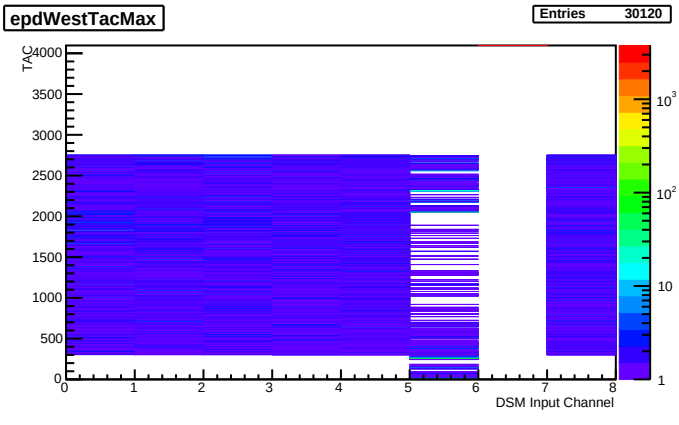

bbcSmallWestTacMaxVsSimu
Entries 2855
Data
Simu

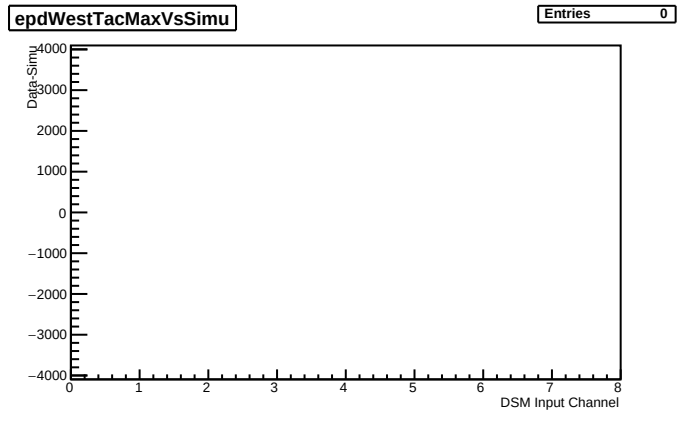

epdEastTacMax
Entries 30120
TAC
DSM Input Channel

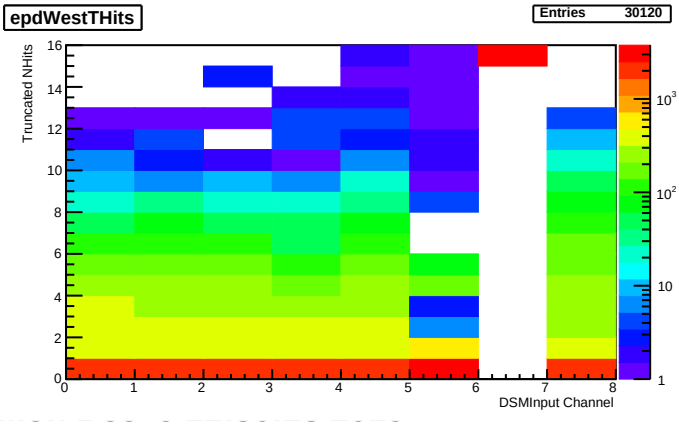

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

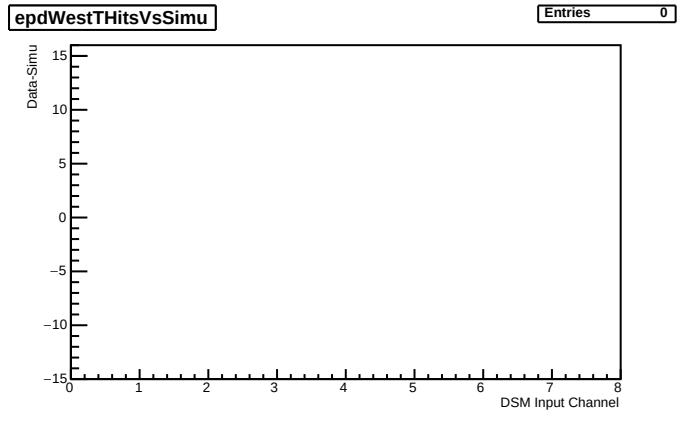

epdEastTHits
Entries 30120
Truncated NHits
DSMInput Channel

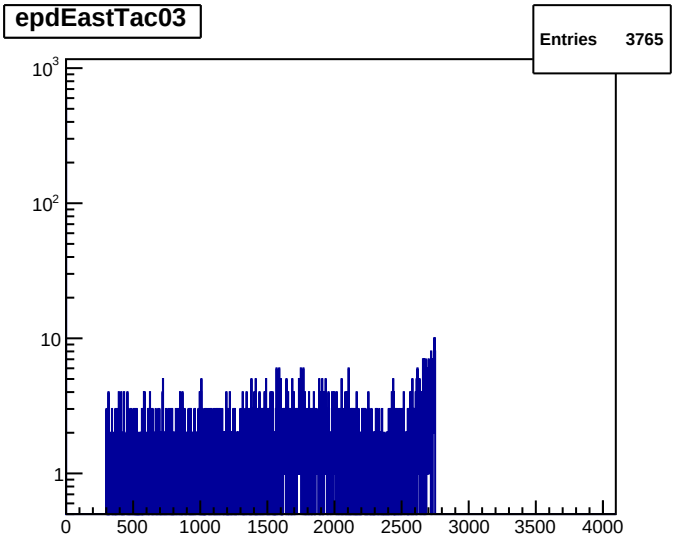

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

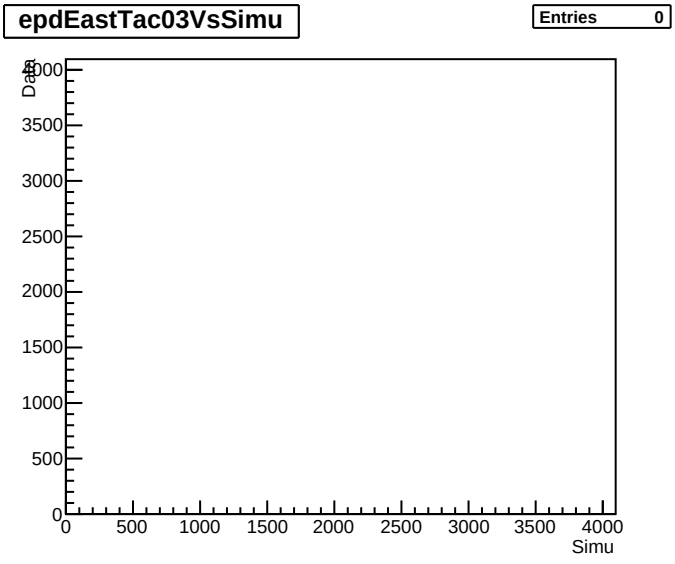

epdWestTacMax
Entries 30120
TAC
DSM Input Channel

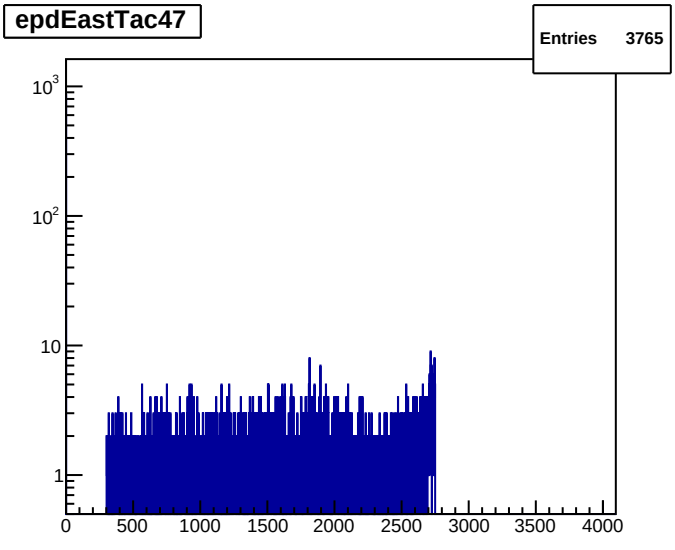

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

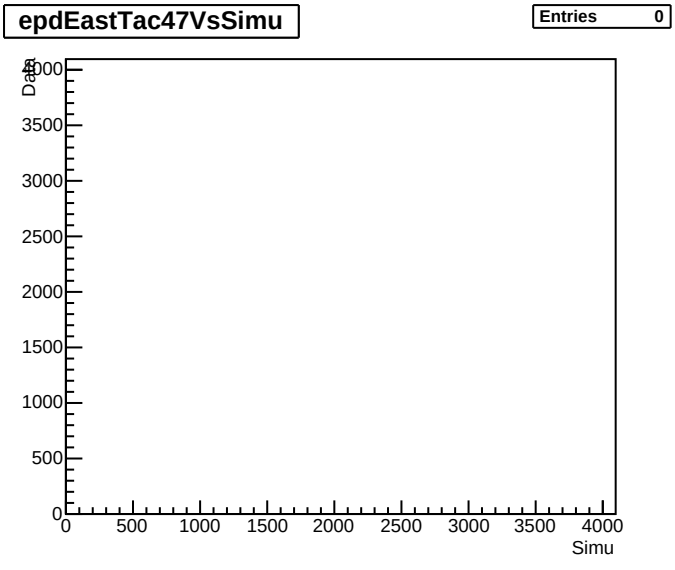

epdWestTHits
Entries 30120
Truncated NHits
DSMInput Channel

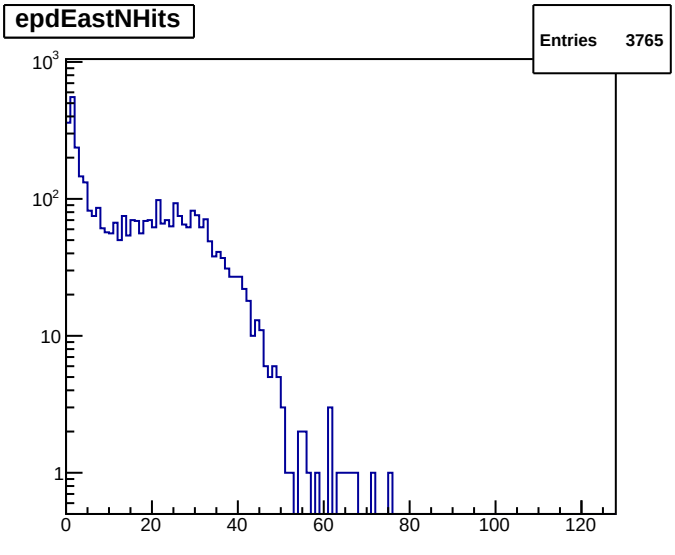

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

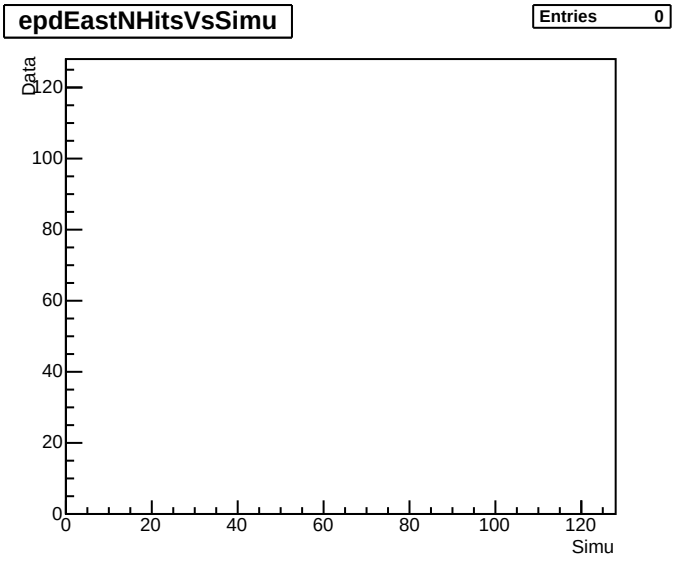

epdEastTac03
Entries 3765

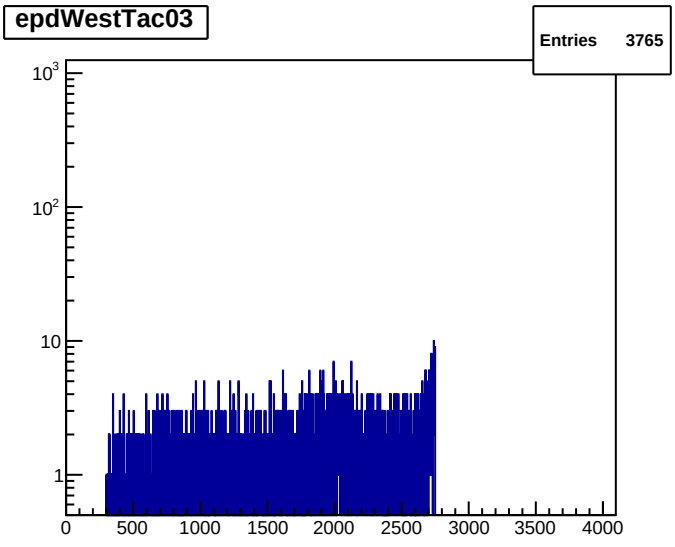

epdEastTac03VsSimu
Entries 0
Data
Simu

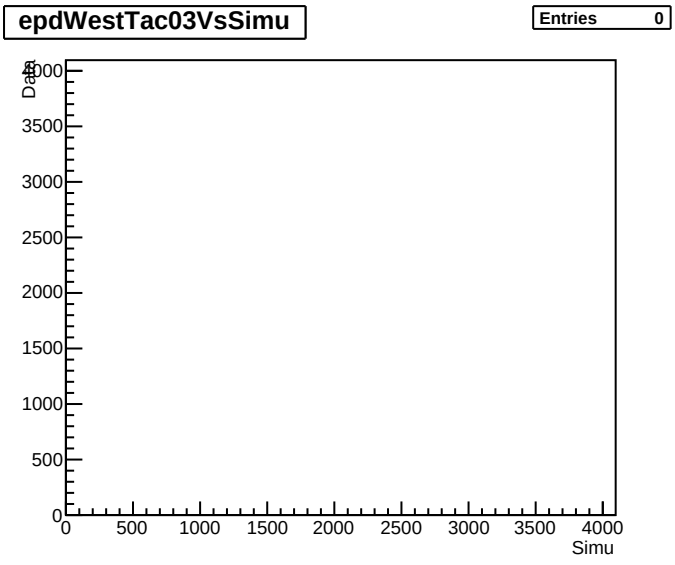

epdEastTac47
Entries 3765

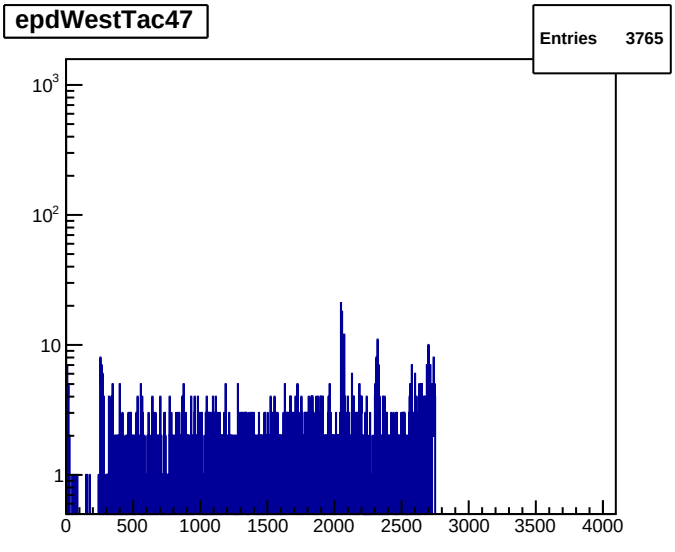

epdEastTac47VsSimu
Entries 0
Data
Simu

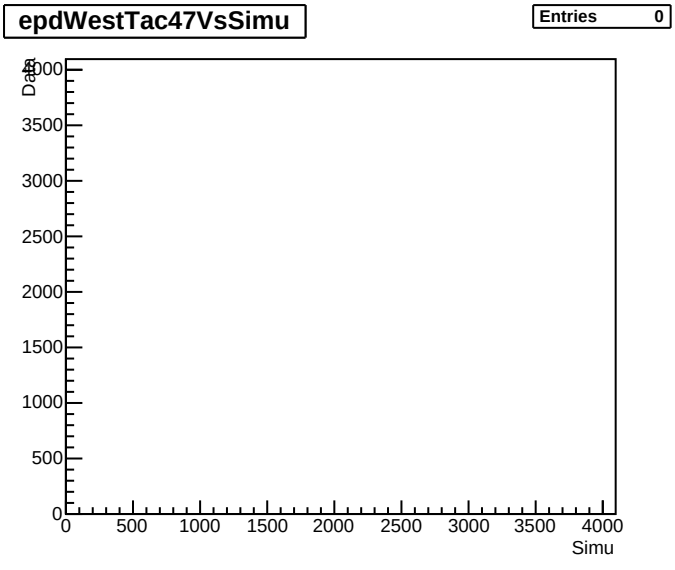

epdEastNHits
Entries 3765

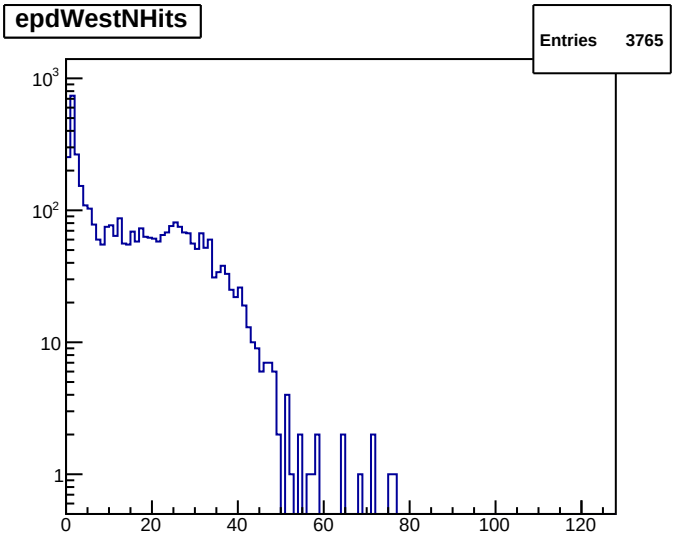

epdEastNHitsVsSimu
Entries 0
Data
Simu

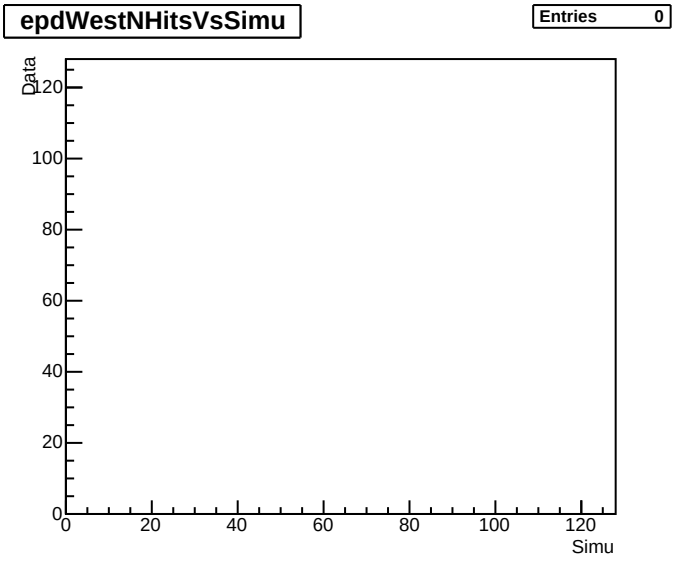

epdWestTac03
Entries 3765

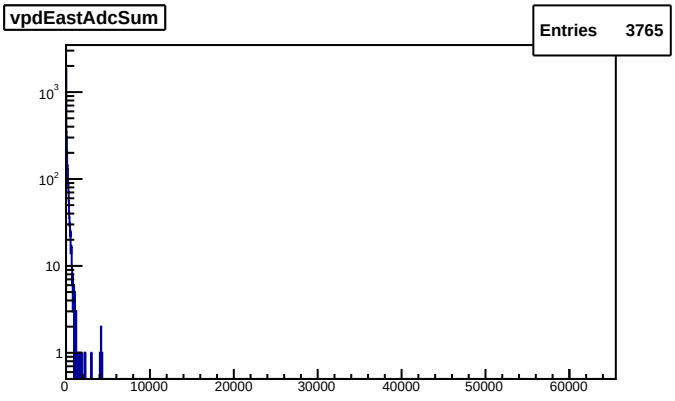

epdWestTac03VsSimu
Entries 0
Data
Simu

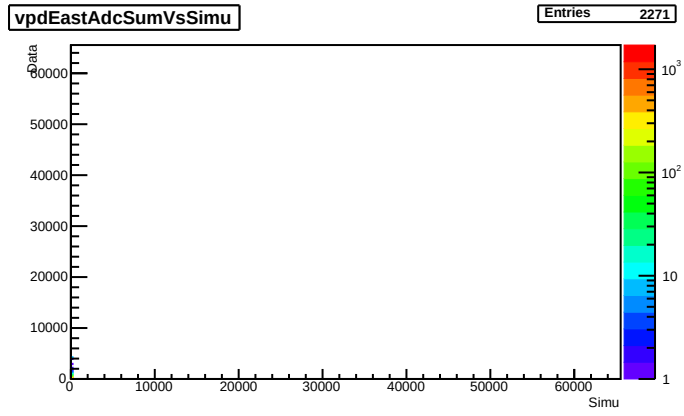

epdWestTac47
Entries 3765

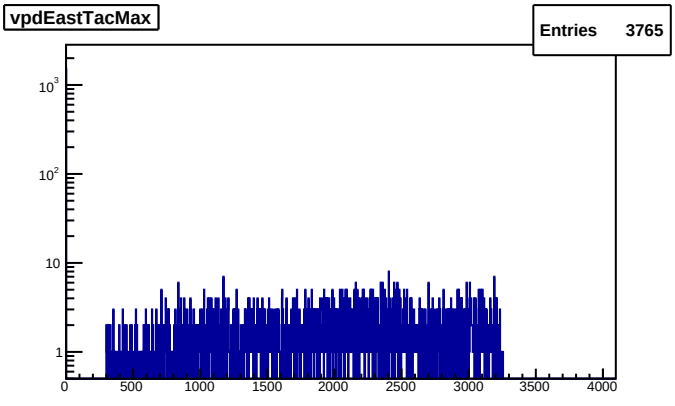

epdWestTac47VsSimu
Entries 0
Data
Simu

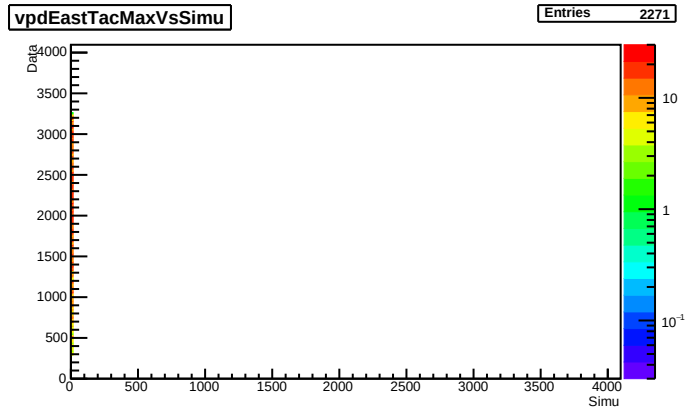

epdWestNHits
Entries 3765

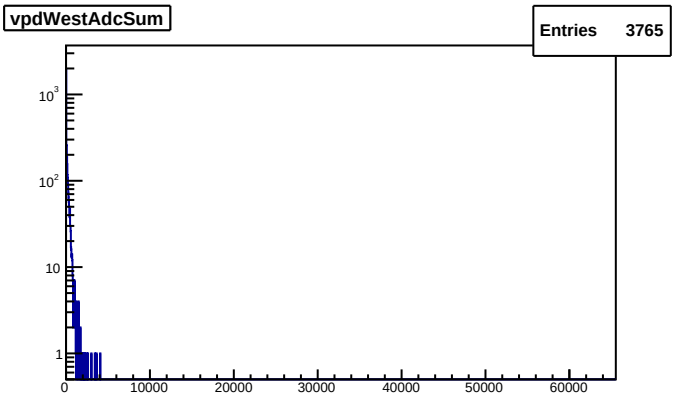

epdWestNHitsVsSimu
Entries 0
Data
Simu

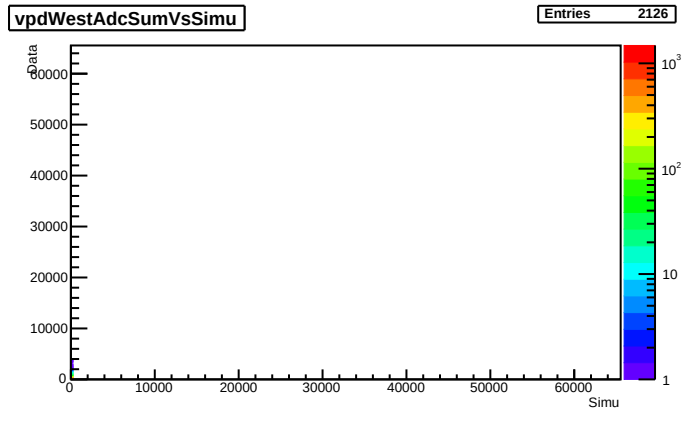

vpdEastAdcSum
Entries 3765

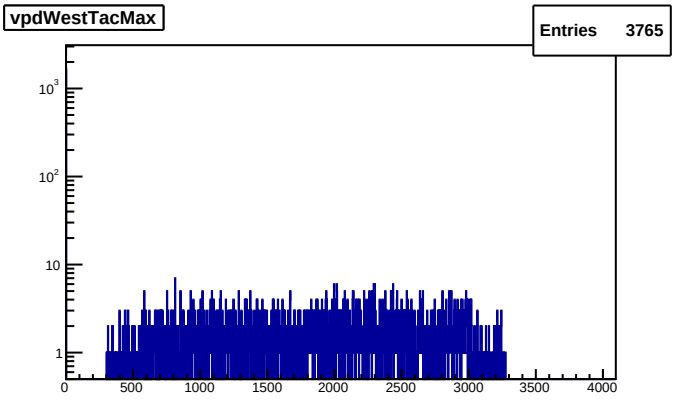

vpdEastAdcSumVsSimu
Entries 2271
Data
Simu

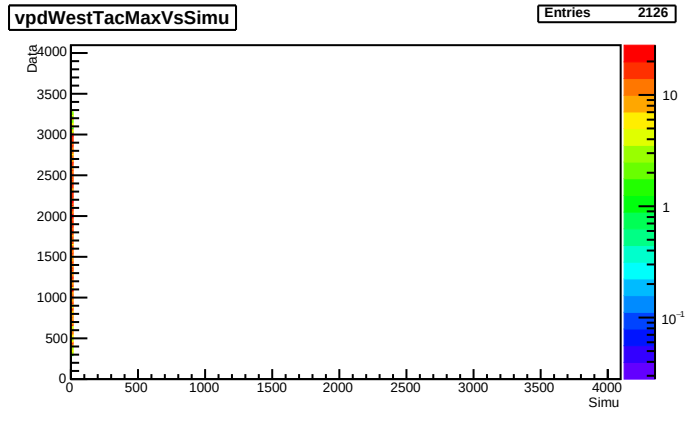

vpdEastTacMax
Entries 3765

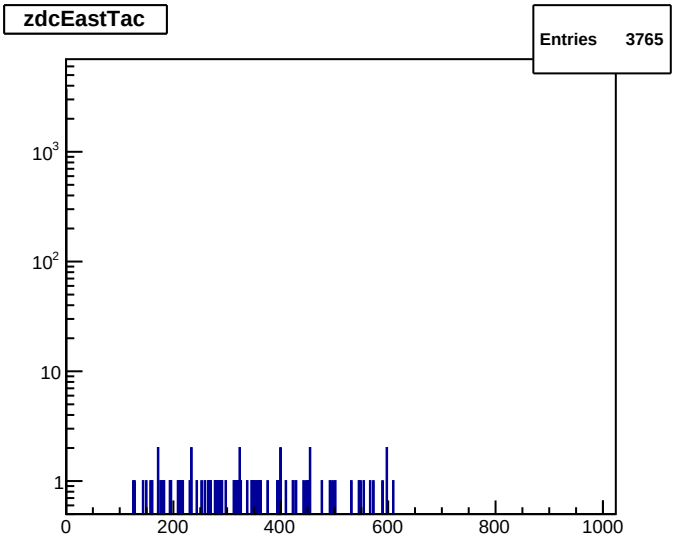

vpdEastTacMaxVsSimu
Entries 2271
Data
Simu

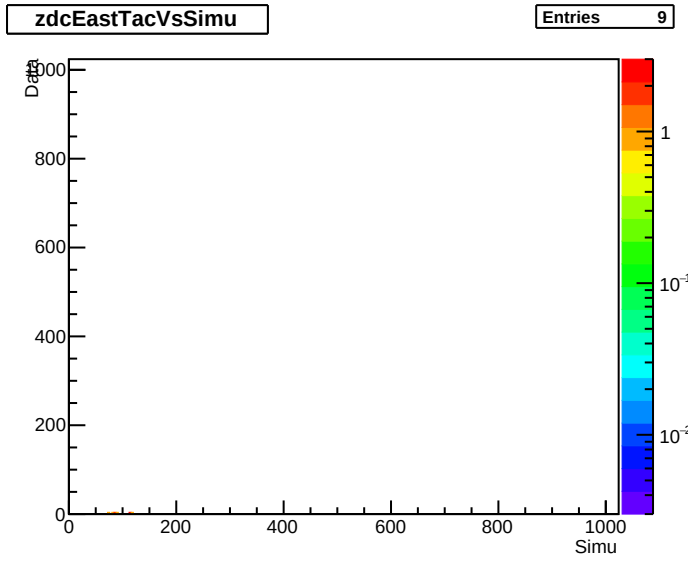

vpdWestAdcSum
Entries 3765

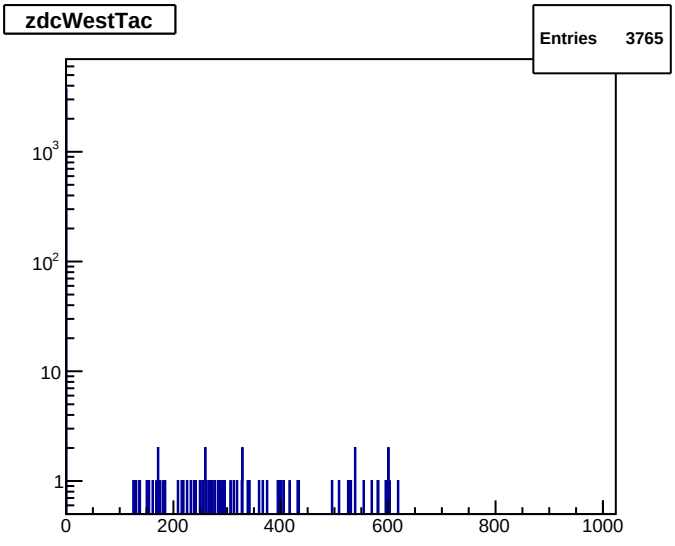

vpdWestAdcSumVsSimu
Entries 2126
Data
Simu

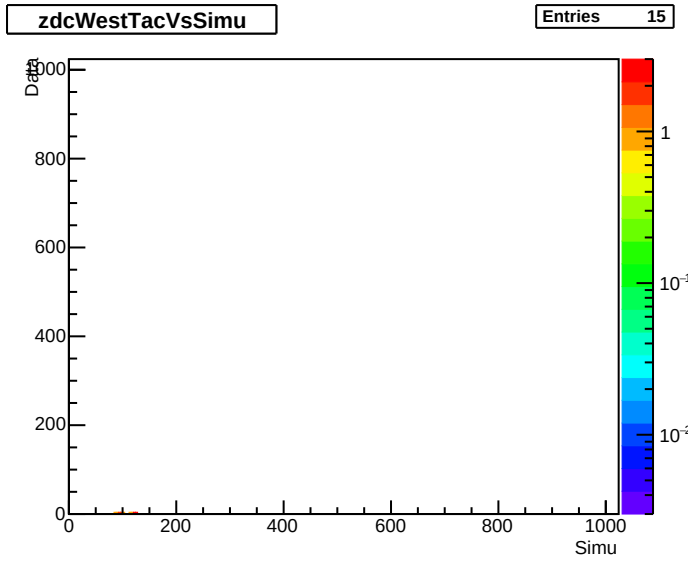

vpdWestTacMax
Entries 3765

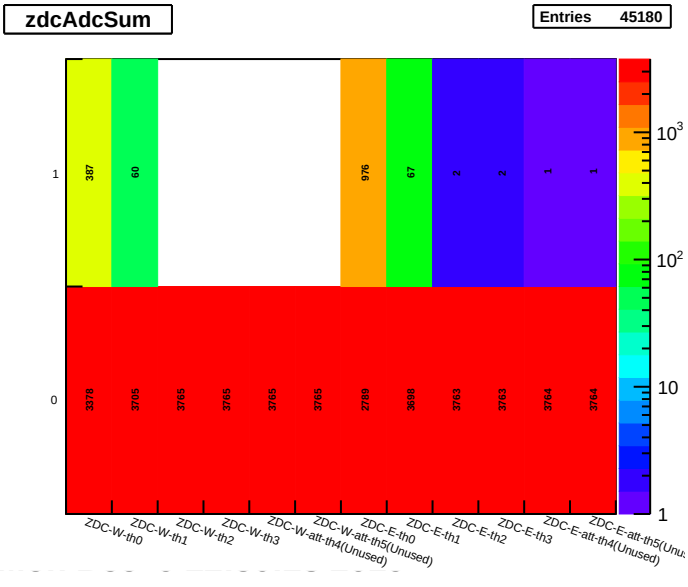

vpdWestTacMaxVsSimu
Entries 2126
Data
Simu

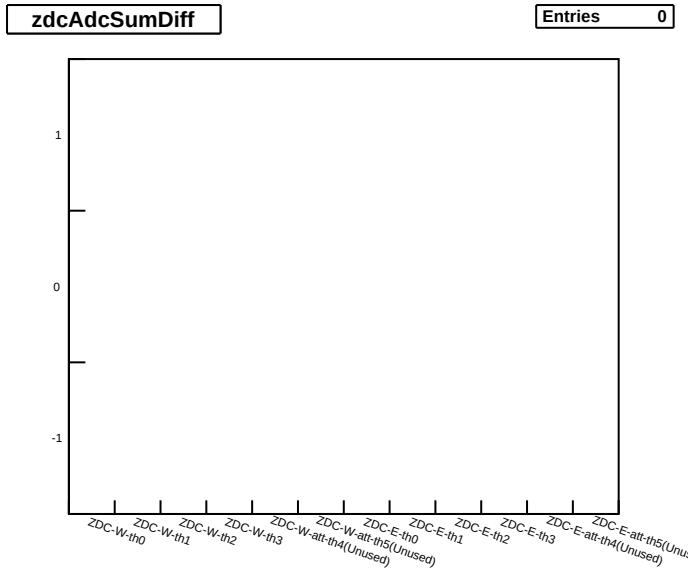

zdcEastTac
Entries 3765

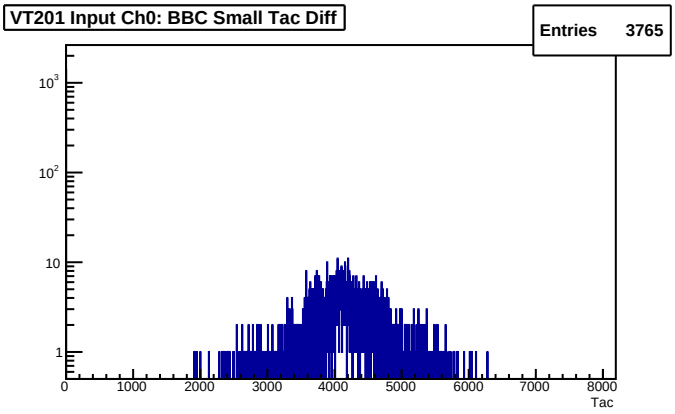

zdcEastTacVsSimu
Entries 9
Data
Simu

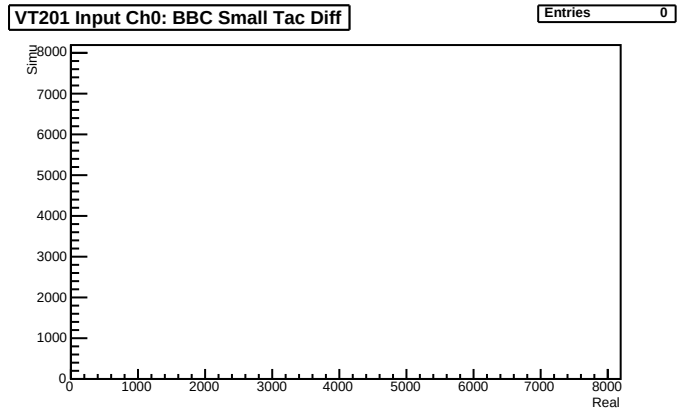

zdcWestTac
Entries 3765

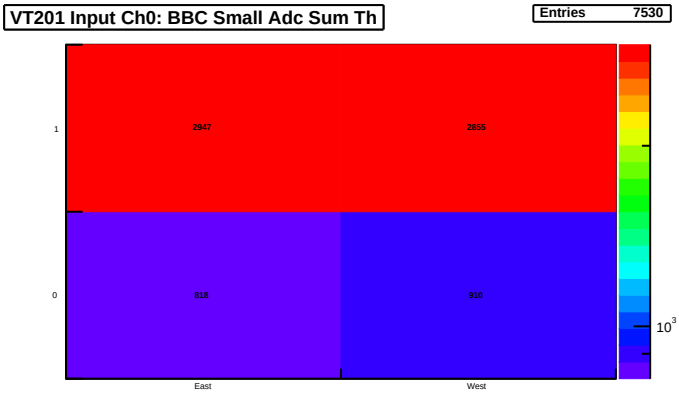

zdcWestTacVsSimu
Entries 15
Data
Simu

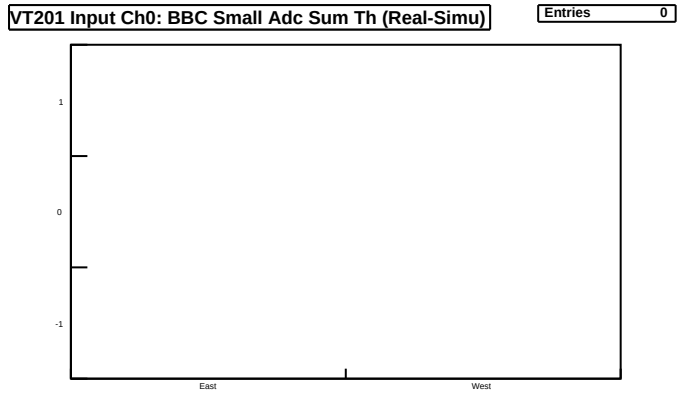

zdcAdcSum
Entries 45180
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

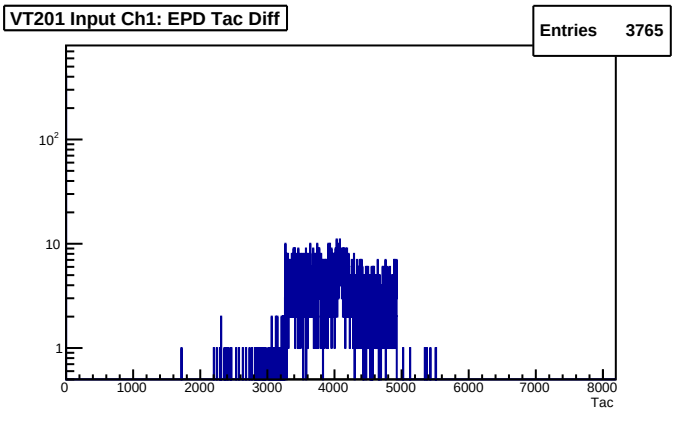

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

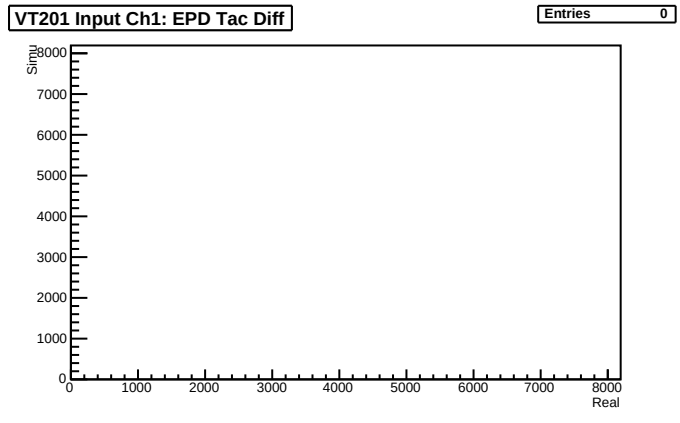

VT201 Input Ch0: BBC Small Tac Diff
Entries 3765
Tac

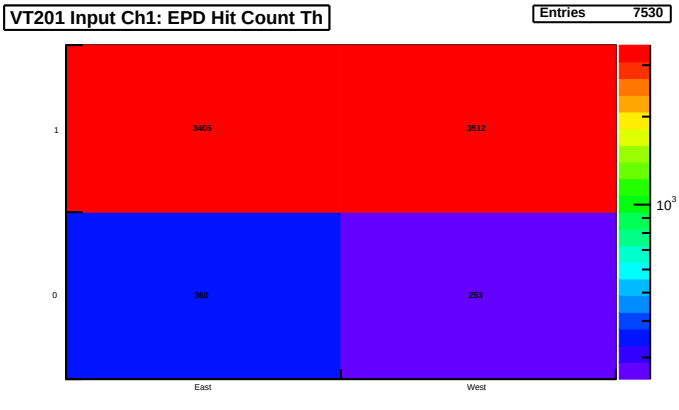

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

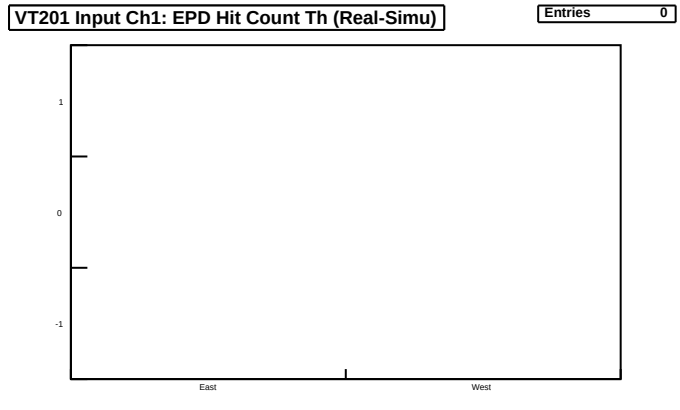

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 7530
2947
2855
818
910
East
West

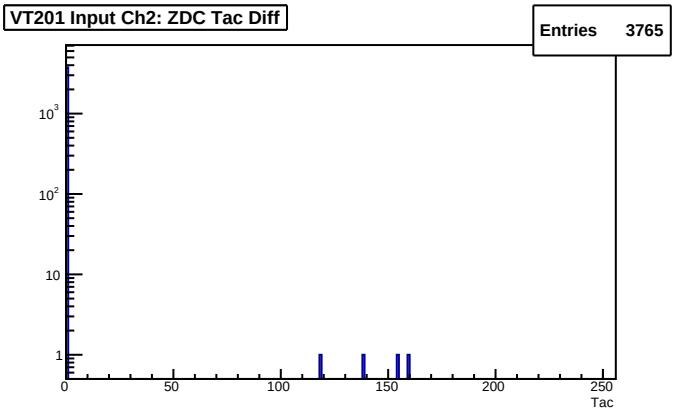

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

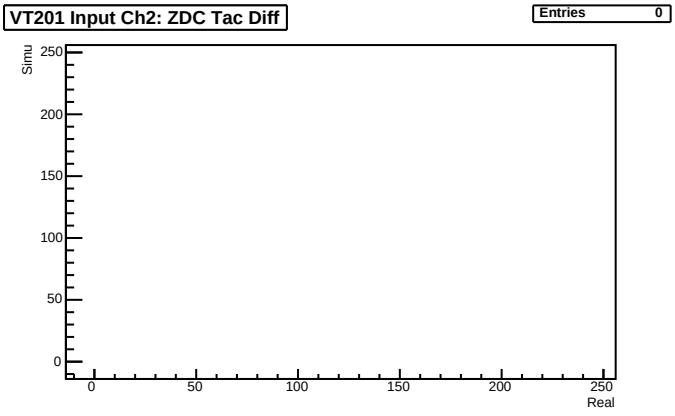

VT201 Input Ch1: EPD Tac Diff
Entries 3765
Tac

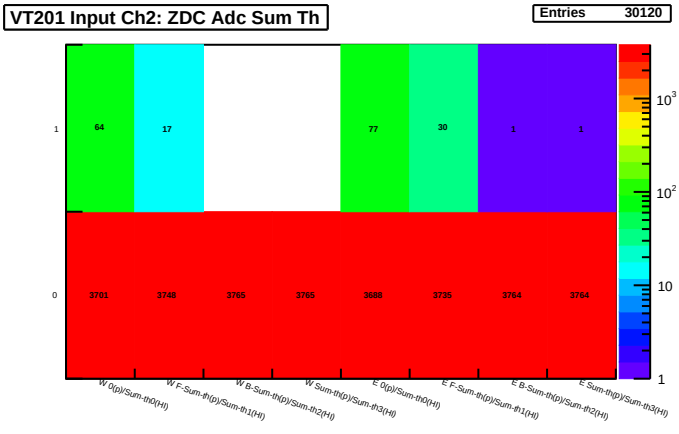

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

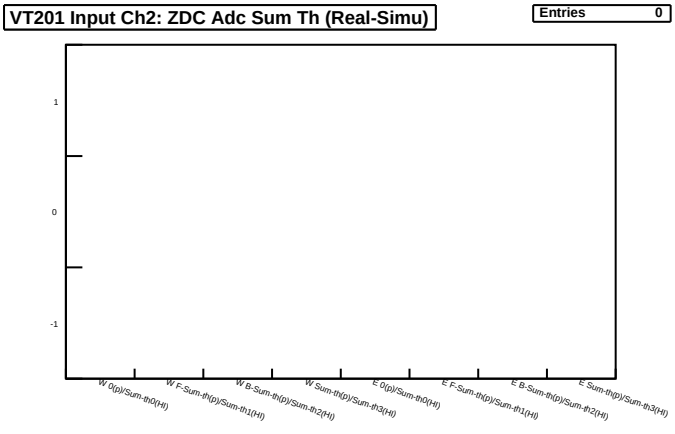

VT201 Input Ch1: EPD Hit Count Th
Entries 7530
3405
3512
360
253
East
West

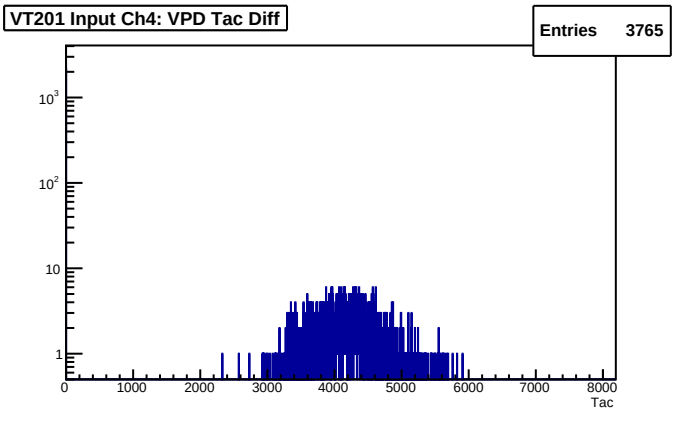

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

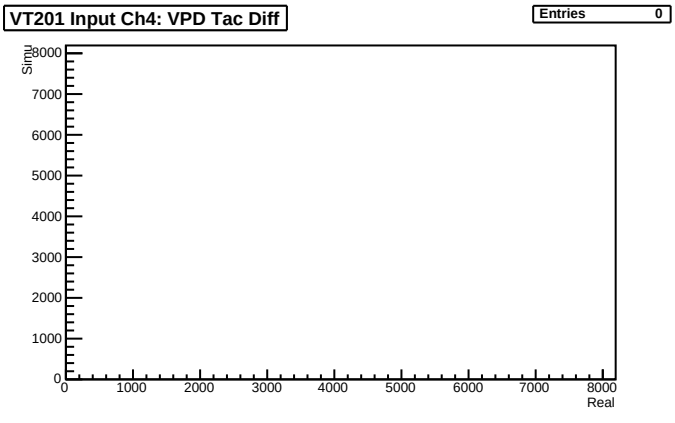

VT201 Input Ch2: ZDC Tac Diff
Entries 3765
Tac

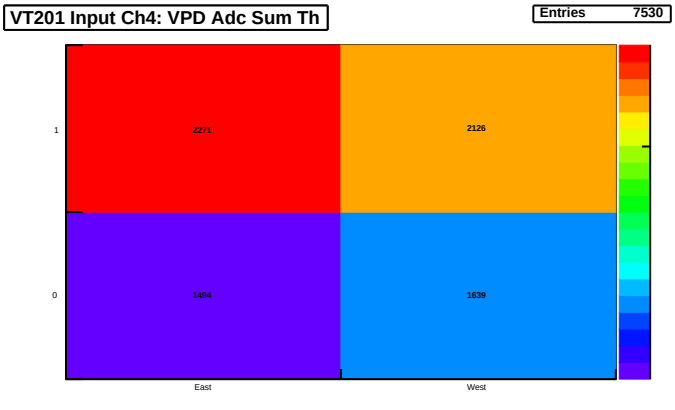

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

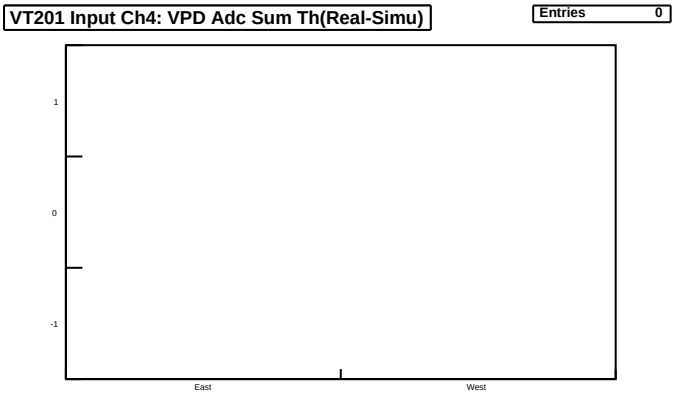

VT201 Input Ch2: ZDC Adc Sum Th
Entries 30120
64
17
77
30
1
1
3701
3748
3765
3765
3688
3735
3764
3764
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

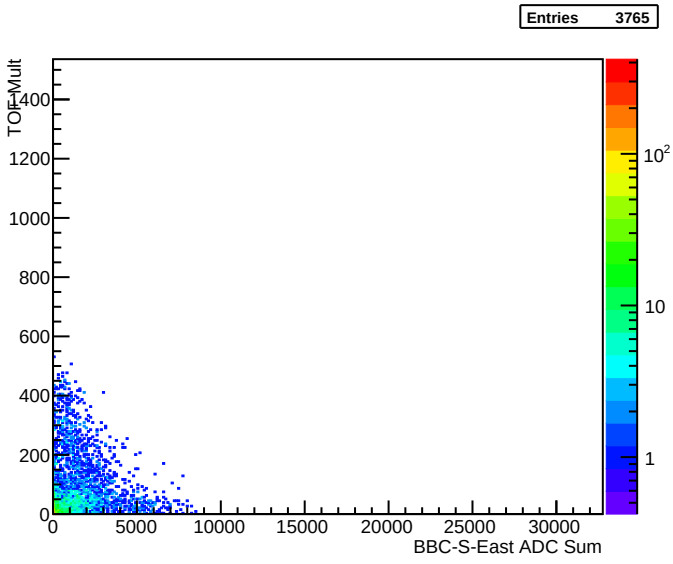

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

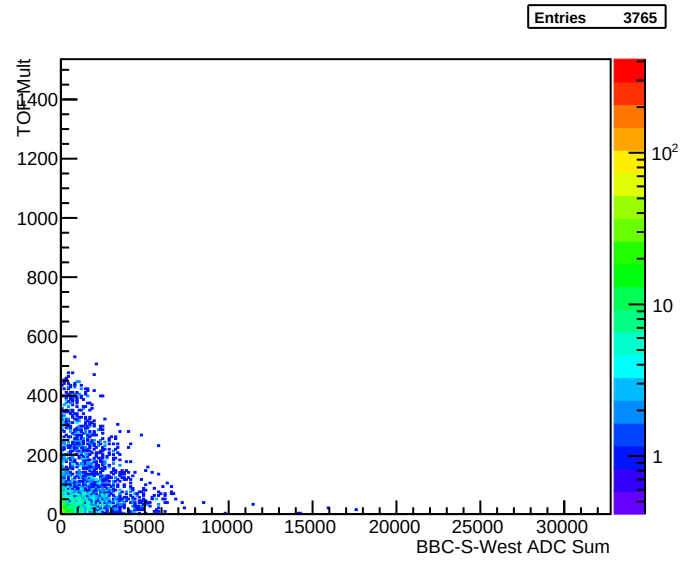

VT201 Input Ch4: VPD Tac Diff
Entries 3765
Tac

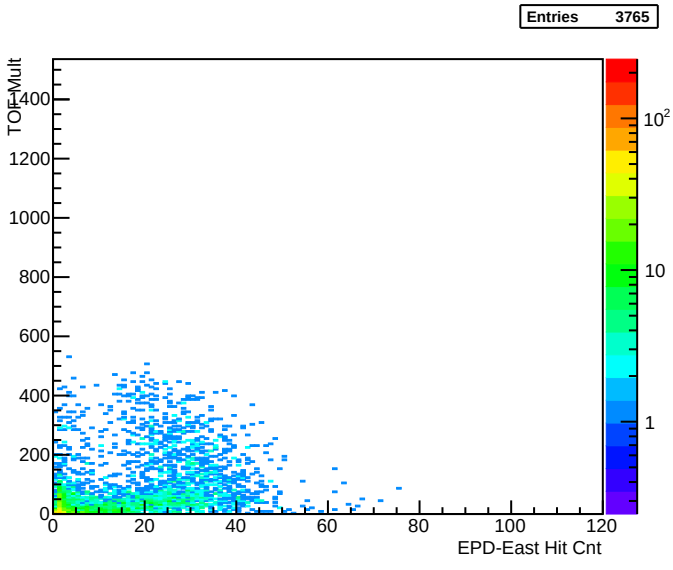

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

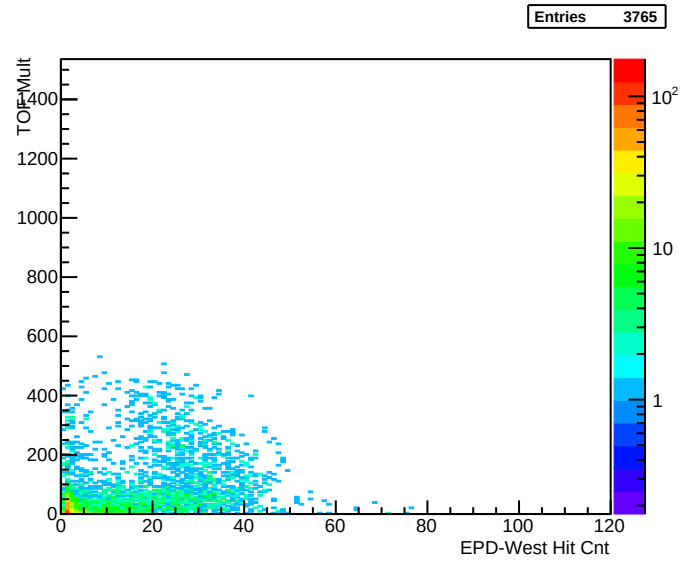

VT201 Input Ch4: VPD Adc Sum Th
Entries 7530
2271
2126
1494
1639
East
West

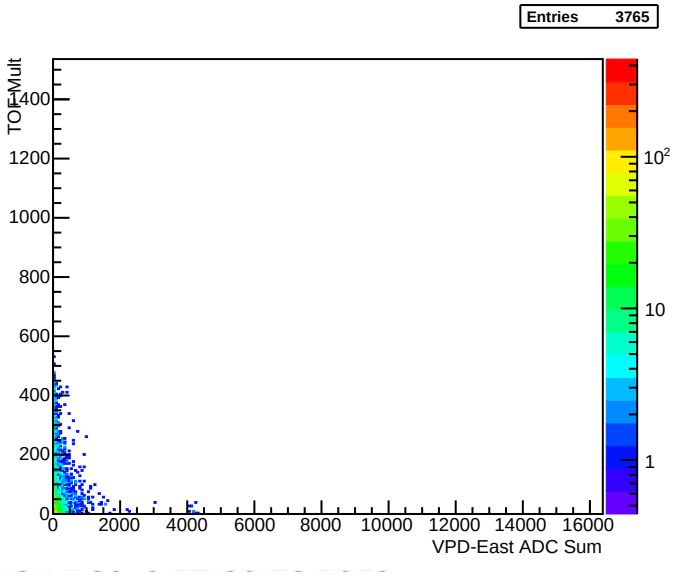

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

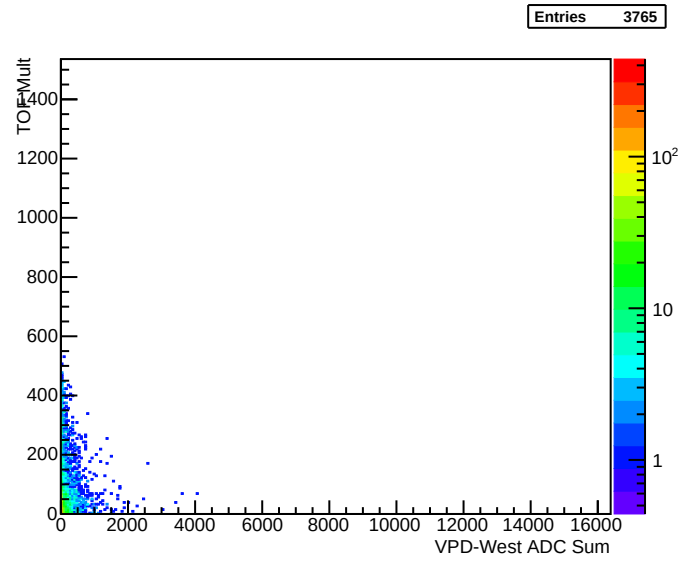

Entries 3765
TOF-Mult
BBC-S-East ADC Sum

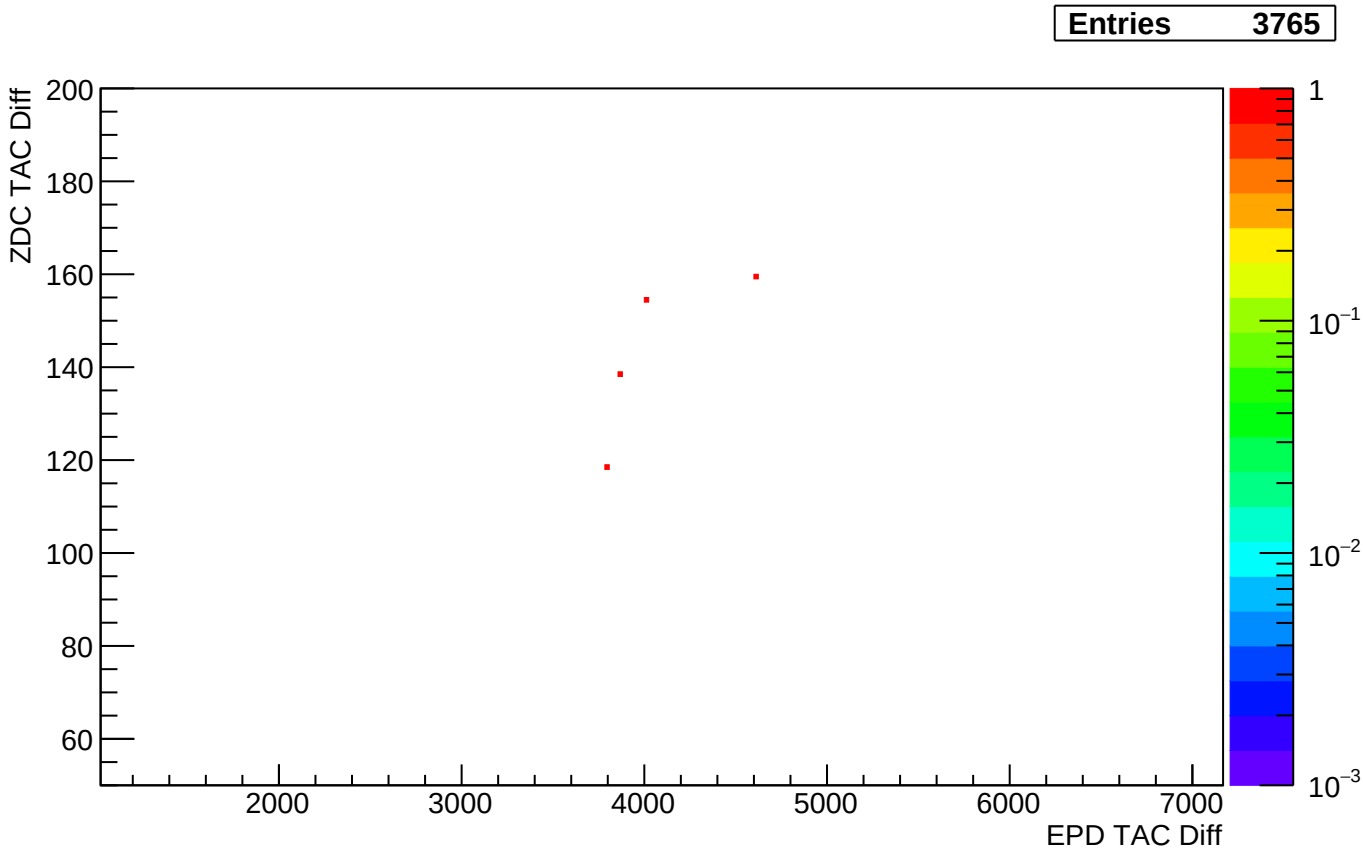

Entries 3765
TOF-Mult
BBC-S-West ADC Sum

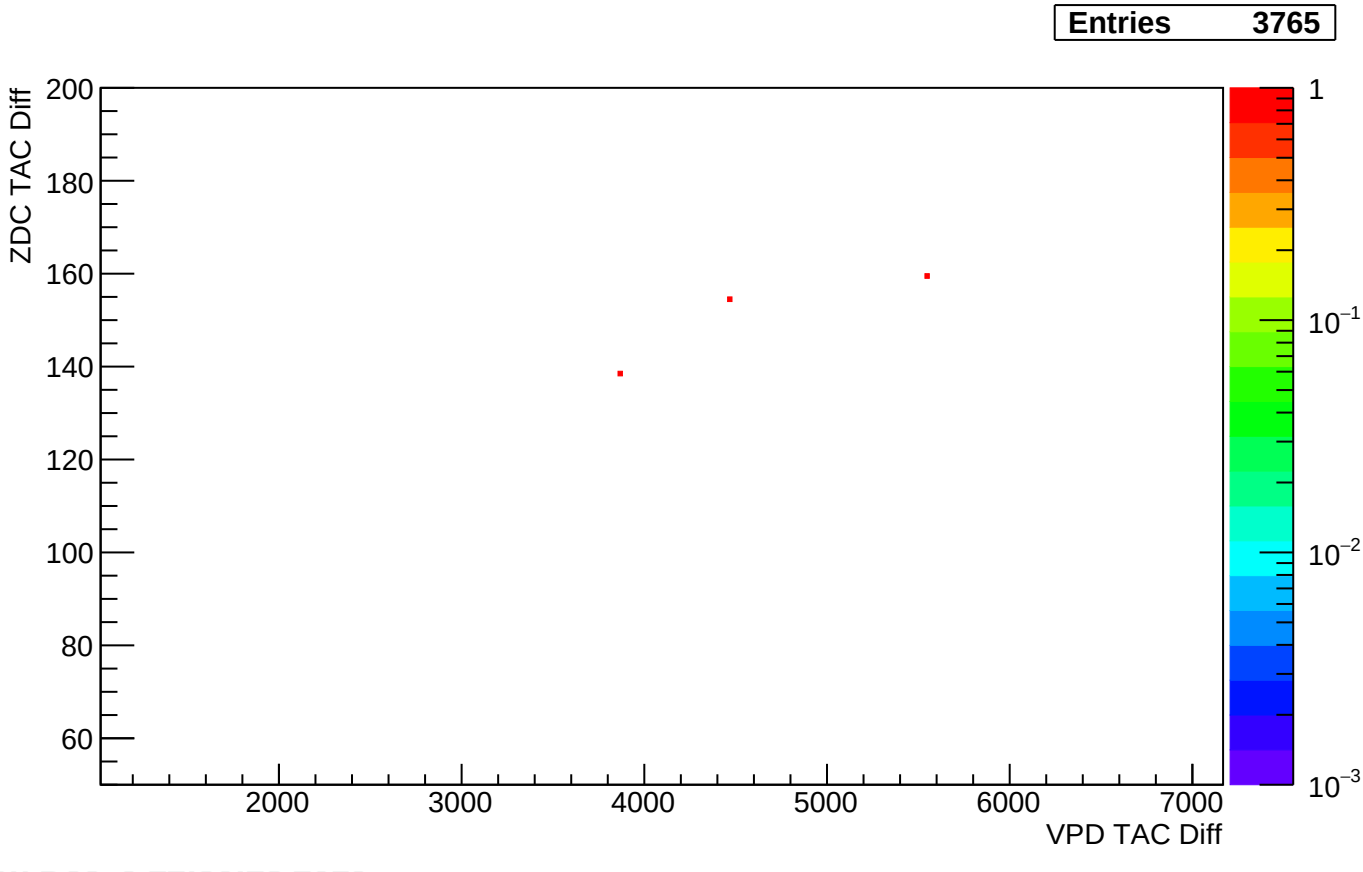

Entries 3765
TOF-Mult
EPD-East Hit Cnt

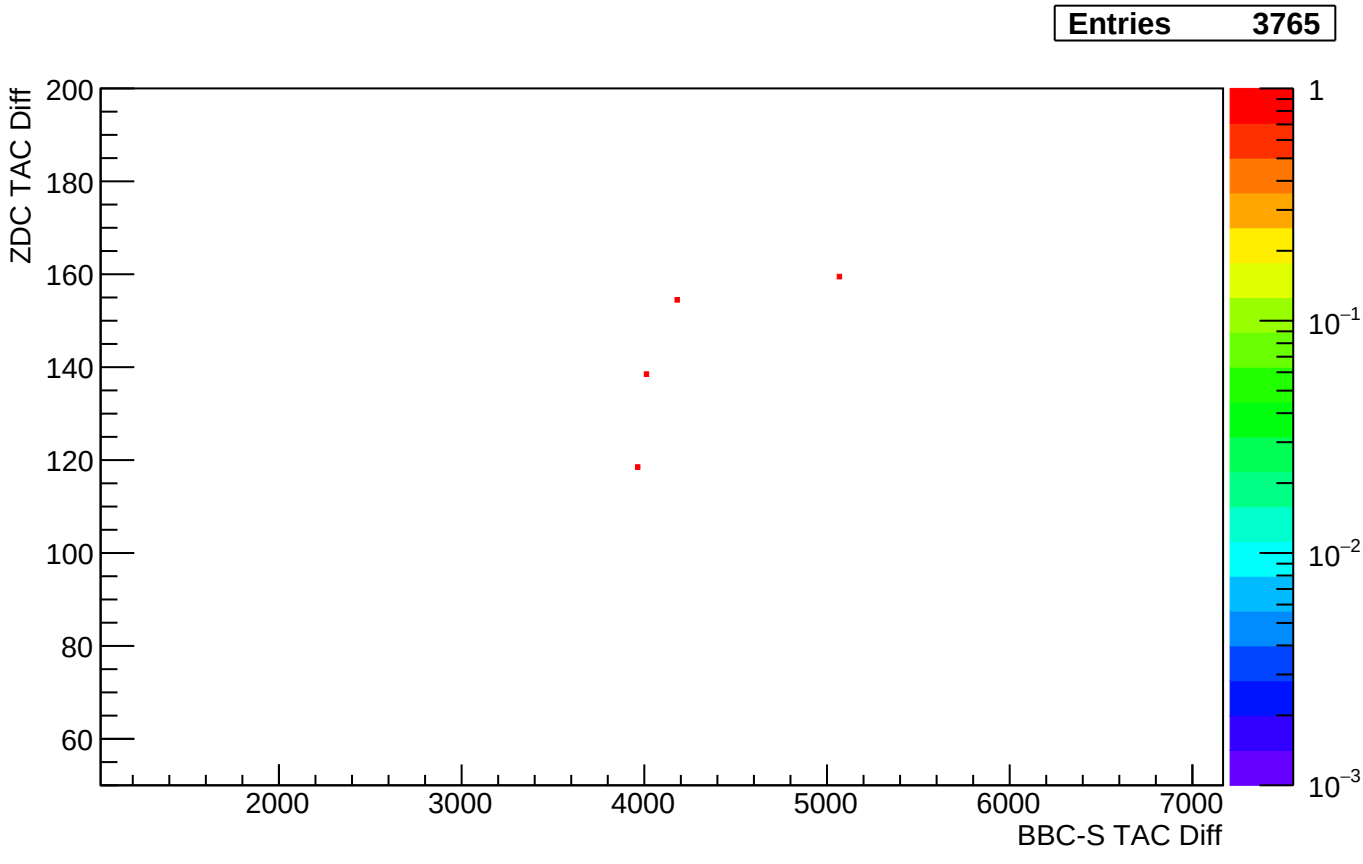

Entries 3765
TOF-Mult
EPD-West Hit Cnt

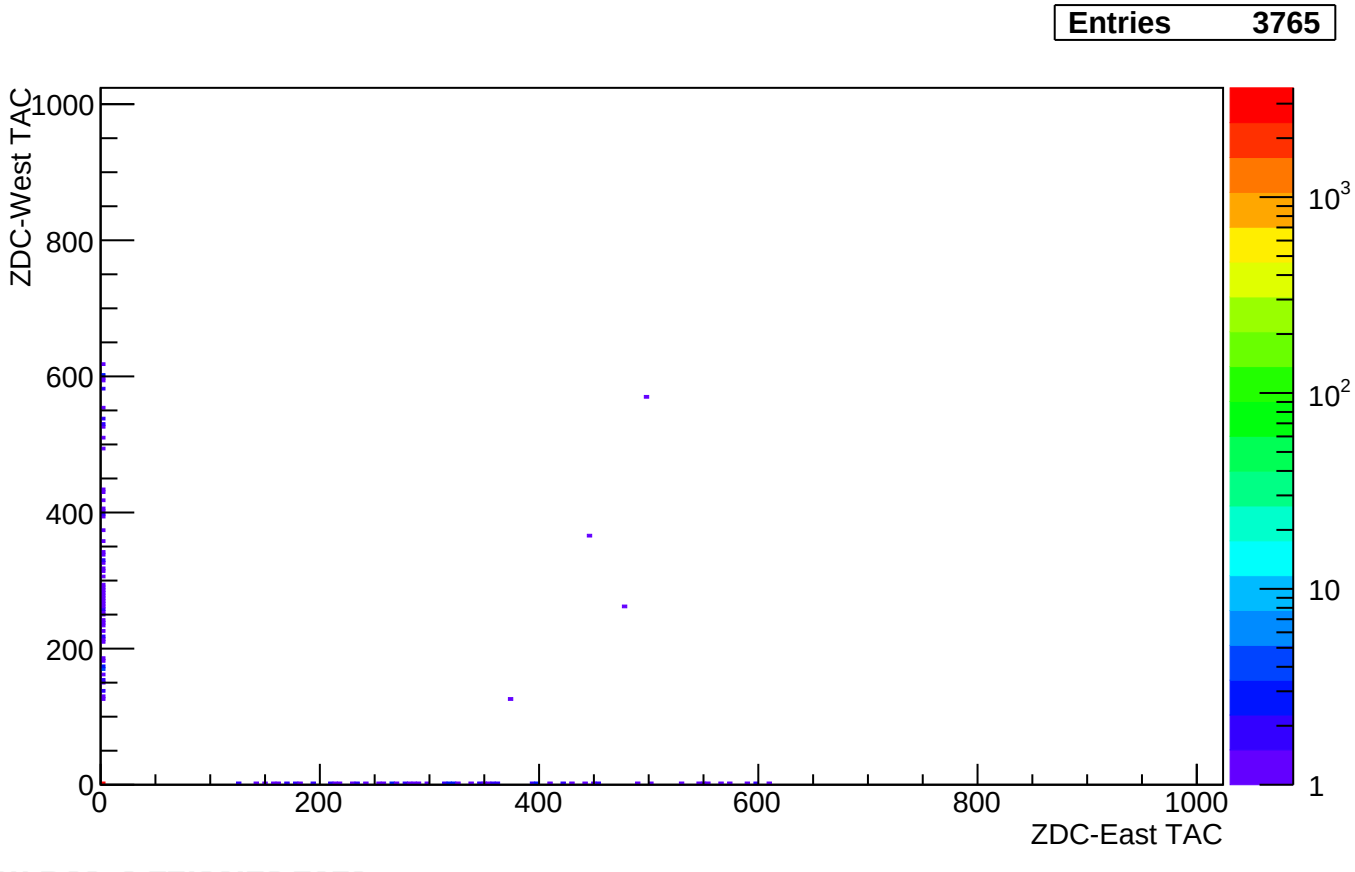

Entries 3765
TOF-Mult
VPD-East ADC Sum

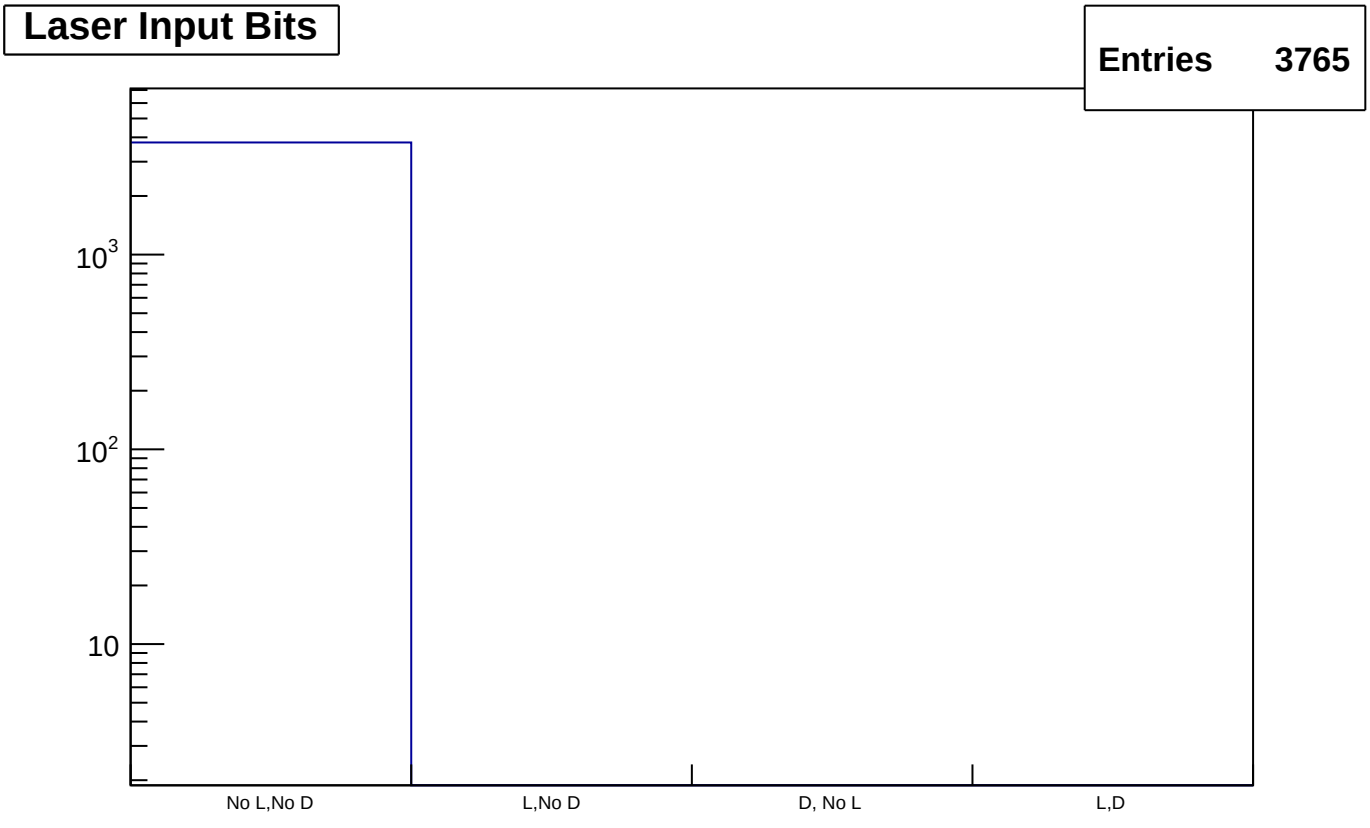

Entries 3765
TOF-Mult
VPD-West ADC Sum

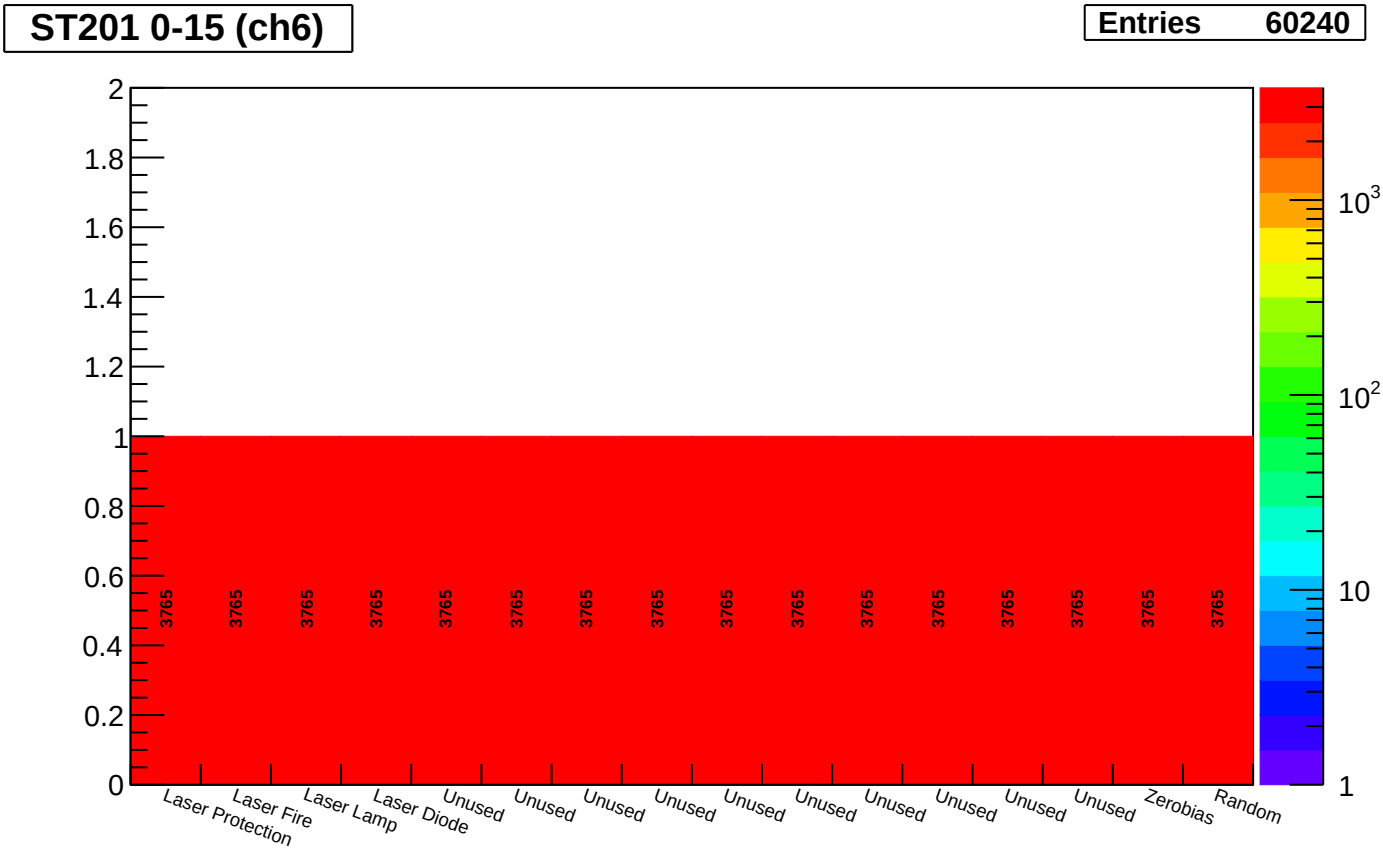

Entries 3765
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

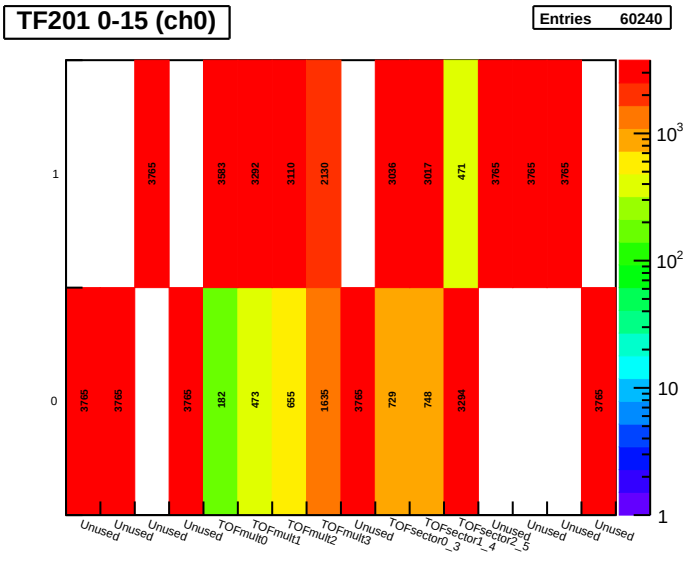

Entries 3765
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

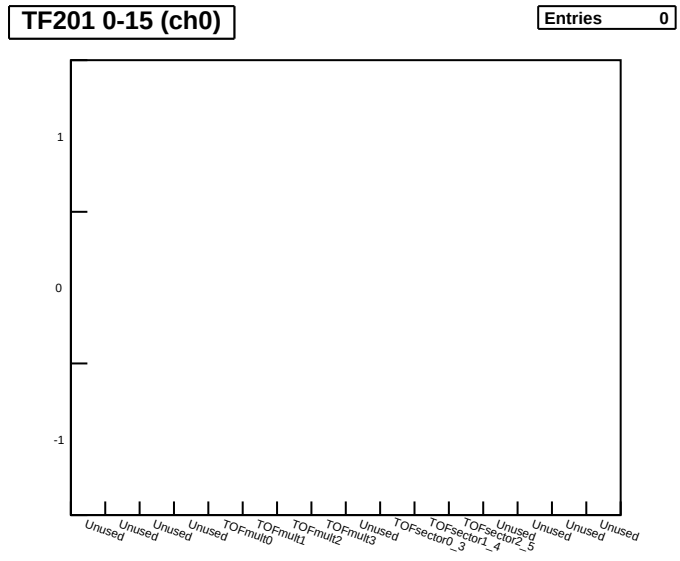

Entries 3765
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

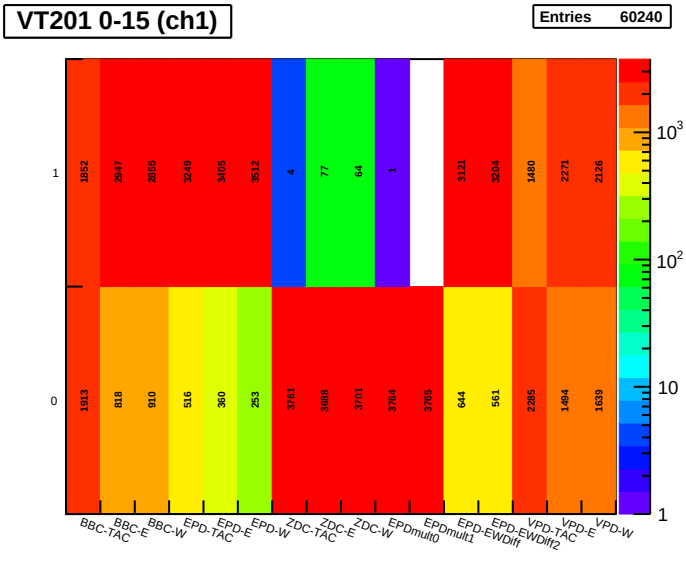

Entries 3765
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^{3}
10^{2}
10
1

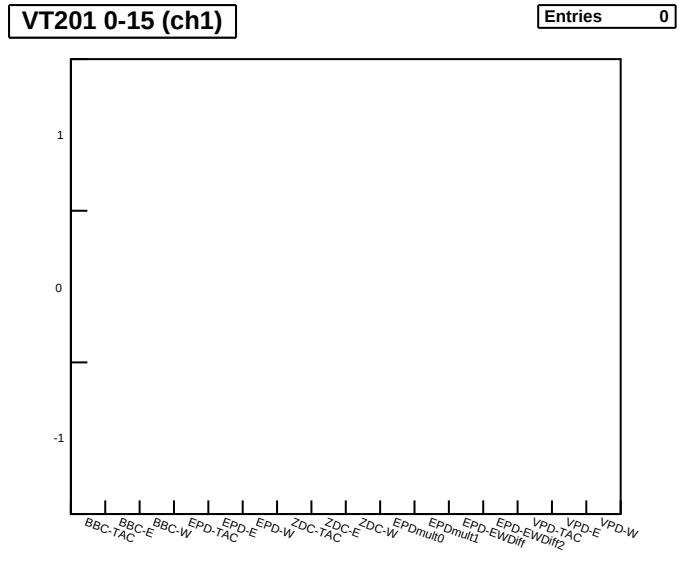

Laser Input Bits
Entries 3765
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

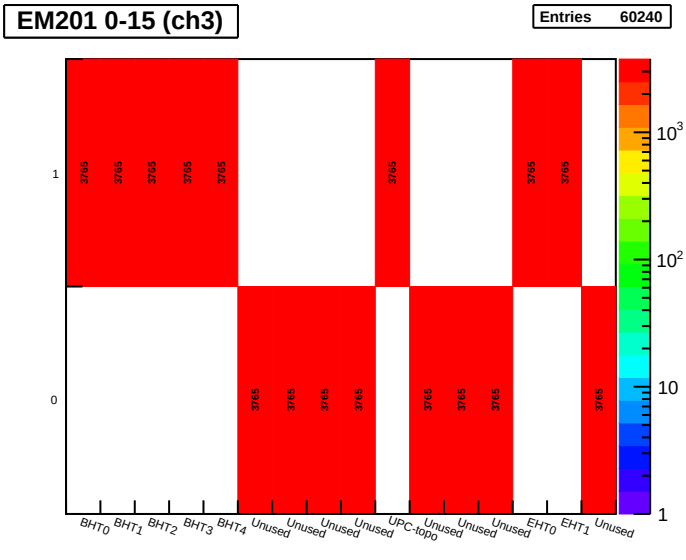

ST201 0-15 (ch6)
Entries 60240
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3765
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

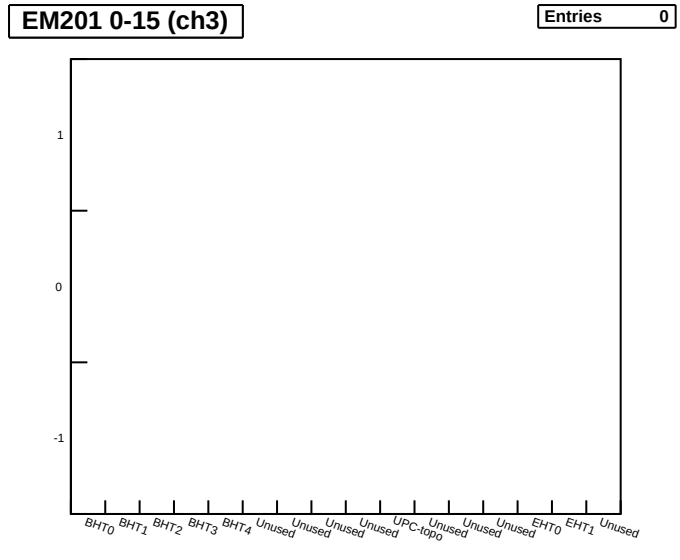

TF201 0-15 (ch0)
Entries 60240
1
0
3765
3583
3292
3110
2130
3036
3017
471
3765
3765
3765
3765
3765
3765
182
473
655
1635
3765
729
748
3294
3765
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 60240
1
0
1952
2947
2955
3249
3405
3512
4
77
64
1
3121
3204
1480
2271
2126
1913
818
910
516
360
253
3761
3688
3701
3764
3765
644
561
2285
1494
1639
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 60240
1
0
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
3765
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^3
10^2
10
1


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