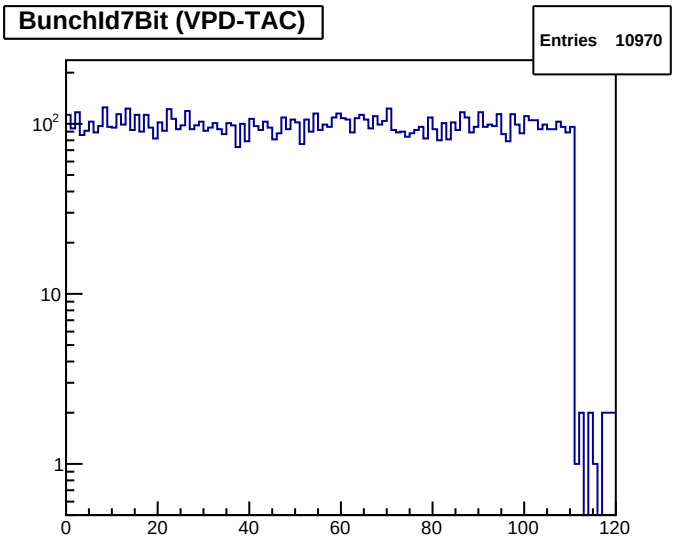
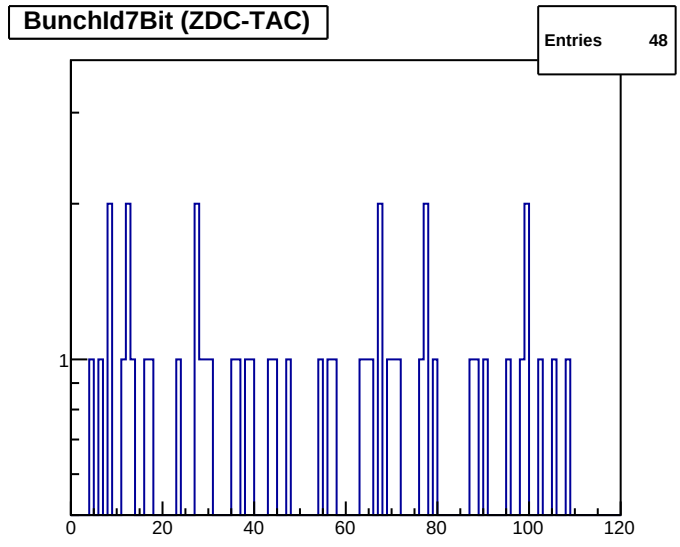
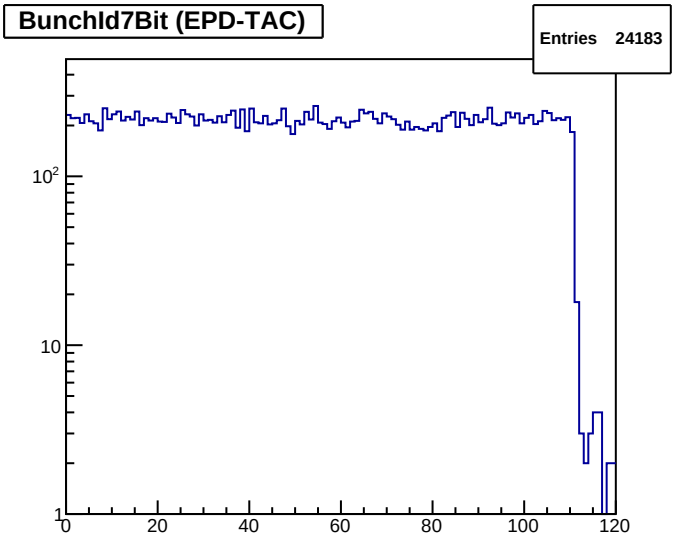
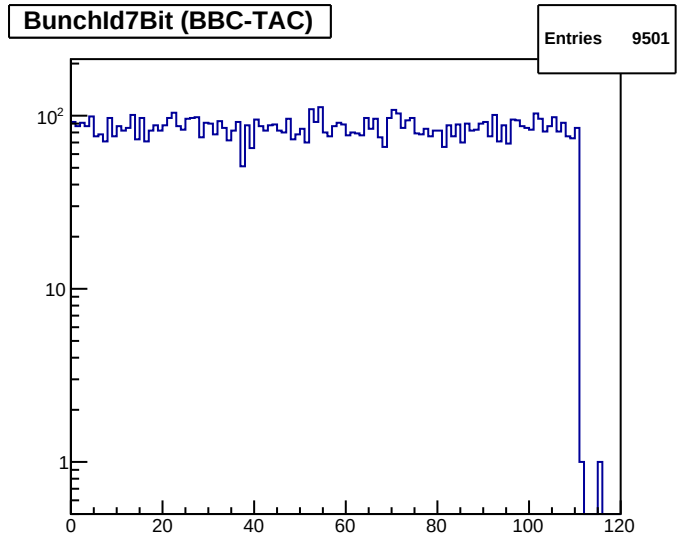
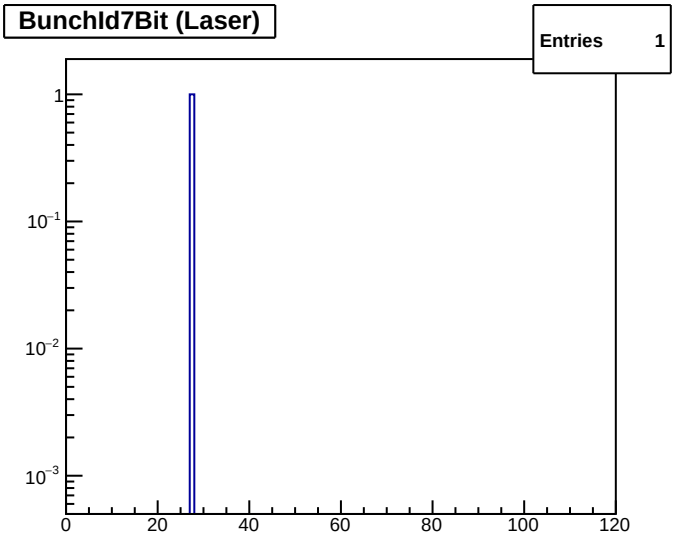
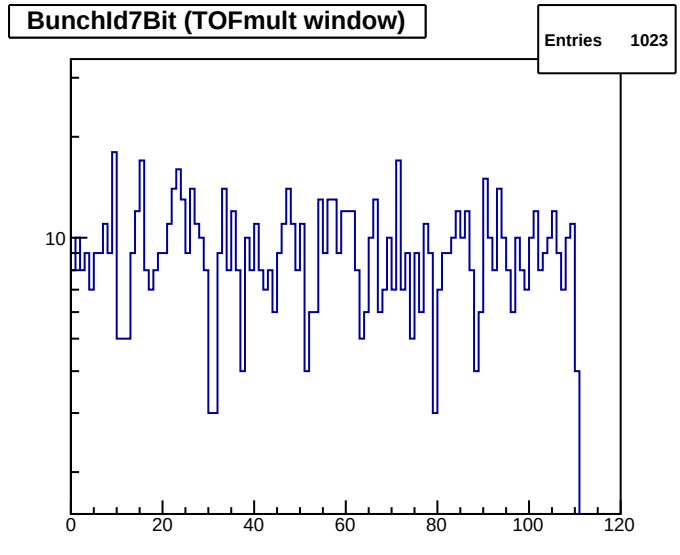

BunchId7Bit (VPD-TAC)
Entries 10970
10^2
10
1
0
20
40
60
80
100
120

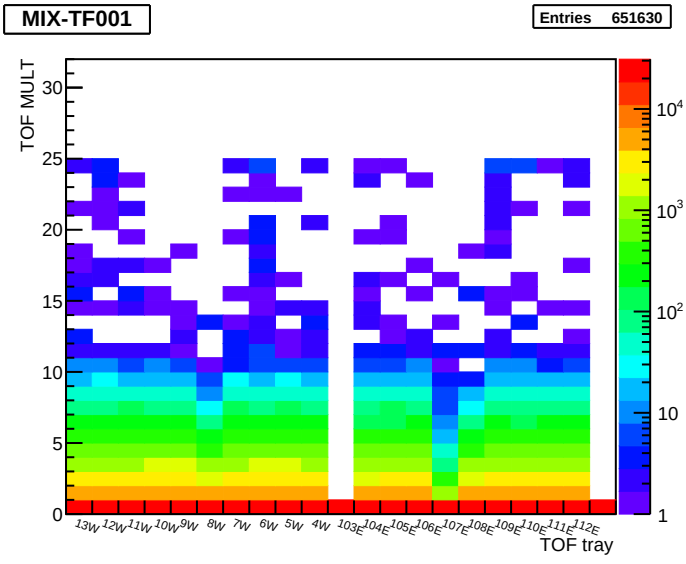

BunchId7Bit (ZDC-TAC)
Entries 48
1
0
20
40
60
80
100
120

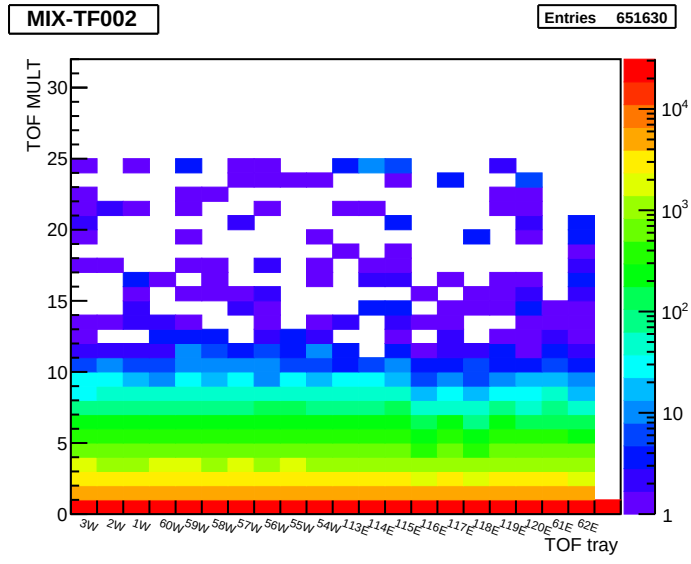

BunchId7Bit (EPD-TAC)
Entries 24183
10^2
10
1
0
20
40
60
80
100
120

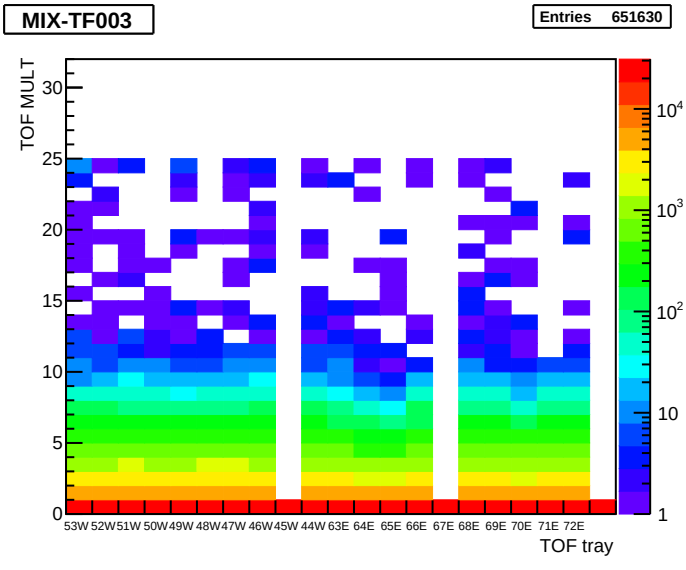

BunchId7Bit (BBC-TAC)
Entries 9501
10^2
10
1
0
20
40
60
80
100
120

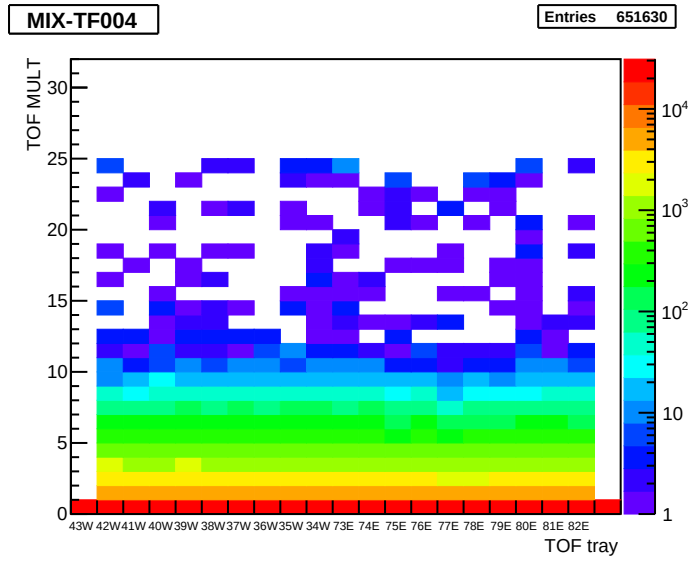

BunchId7Bit (Laser)
Entries 1
1
10^{-1}
10^{-2}
10^{-3}
0
20
40
60
80
100
120

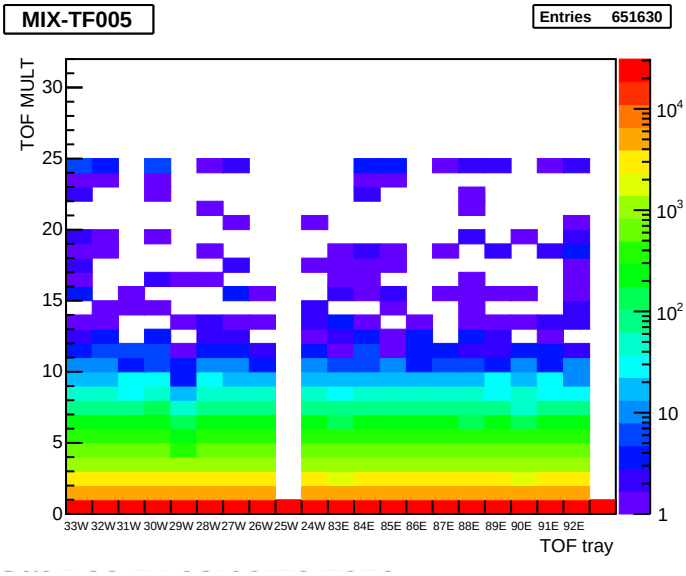

BunchId7Bit (TOFmult window)
Entries 1023
10
0
20
40
60
80
100
120

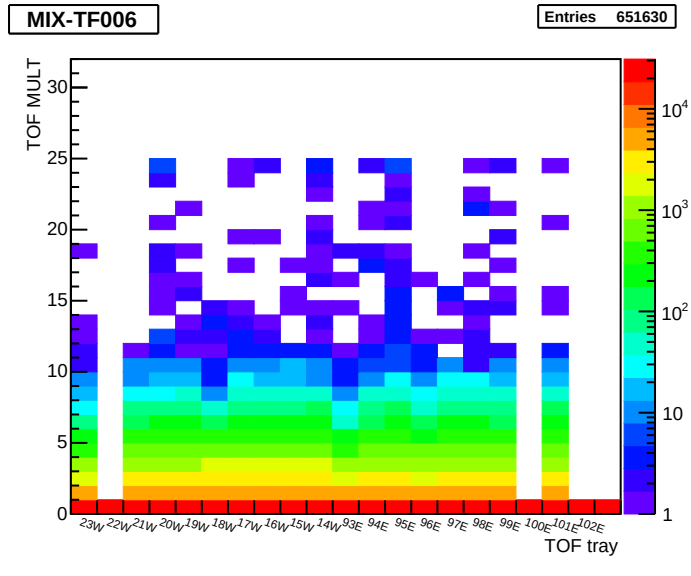

MIX-TF001
Entries 651630
TOF MULT
TOF tray

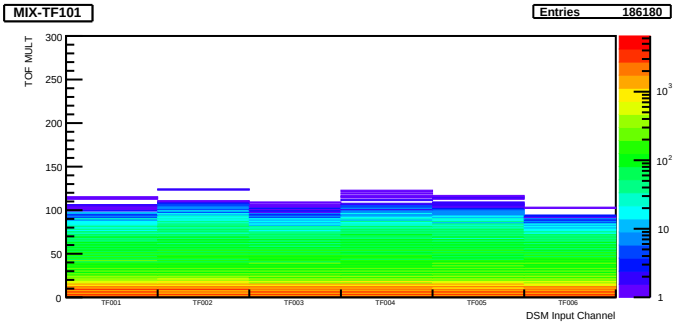

MIX-TF002
Entries 651630
TOF MULT
TOF tray

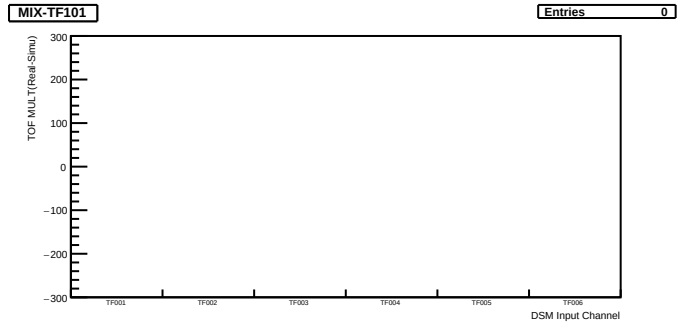

MIX-TF003
Entries 651630
TOF MULT
TOF tray

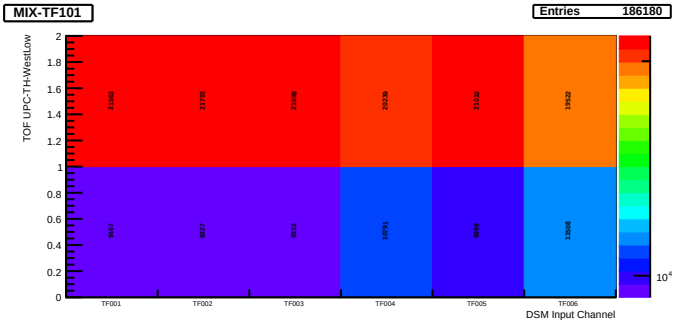

MIX-TF004
Entries 651630
TOF MULT
TOF tray

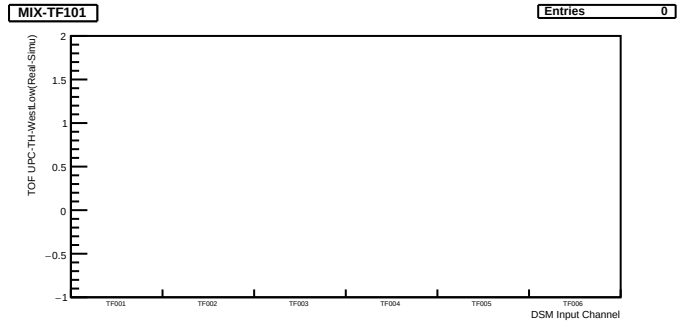

MIX-TF005
Entries 651630
TOF MULT
TOF tray

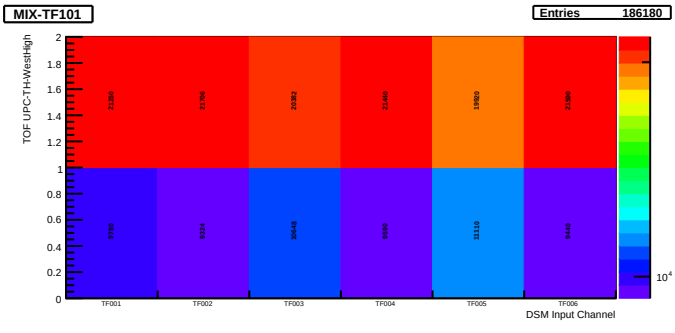

MIX-TF006
Entries 651630
TOF MULT
TOF tray

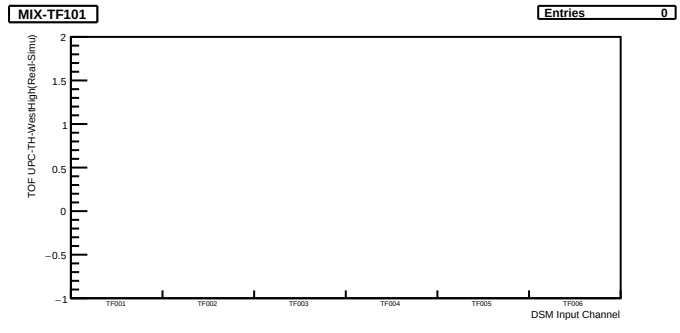

MIX-TF101
Entries 186180
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

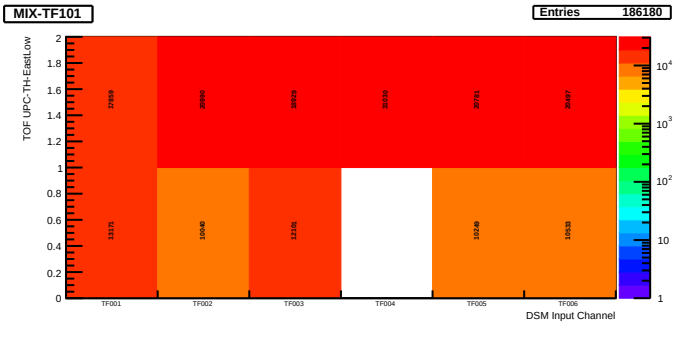

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

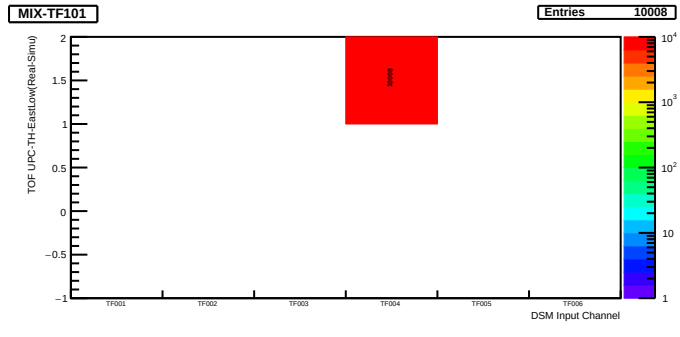

MIX-TF101
Entries 186180
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

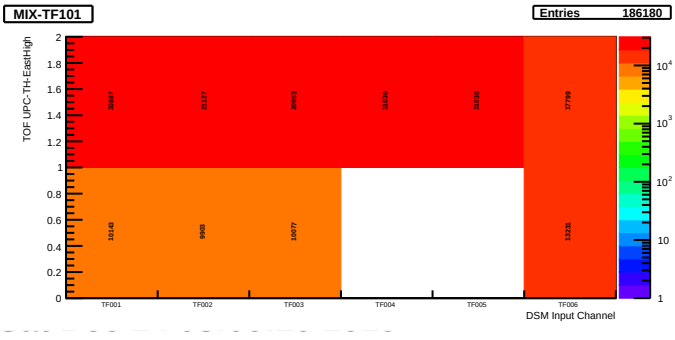

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

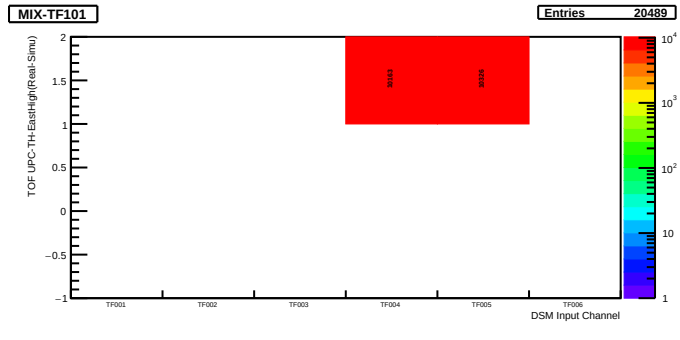

MIX-TF101
Entries 186180
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

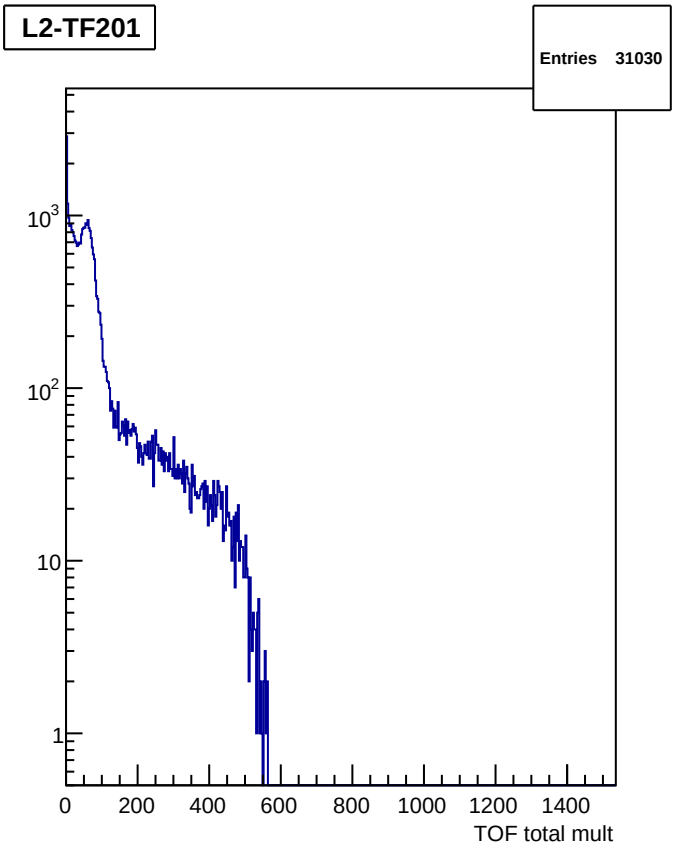

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

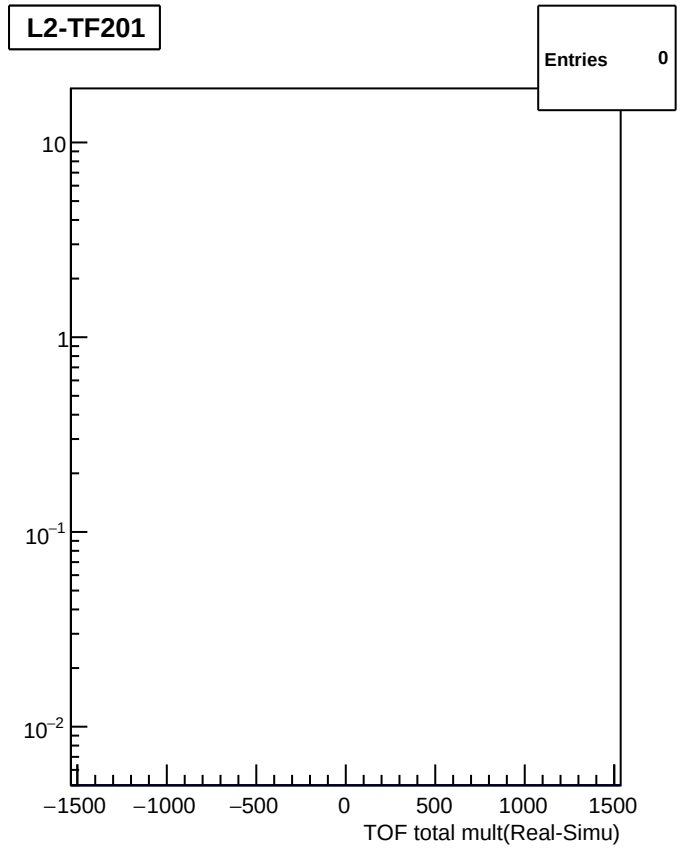

MIX-TF101
Entries 186180
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

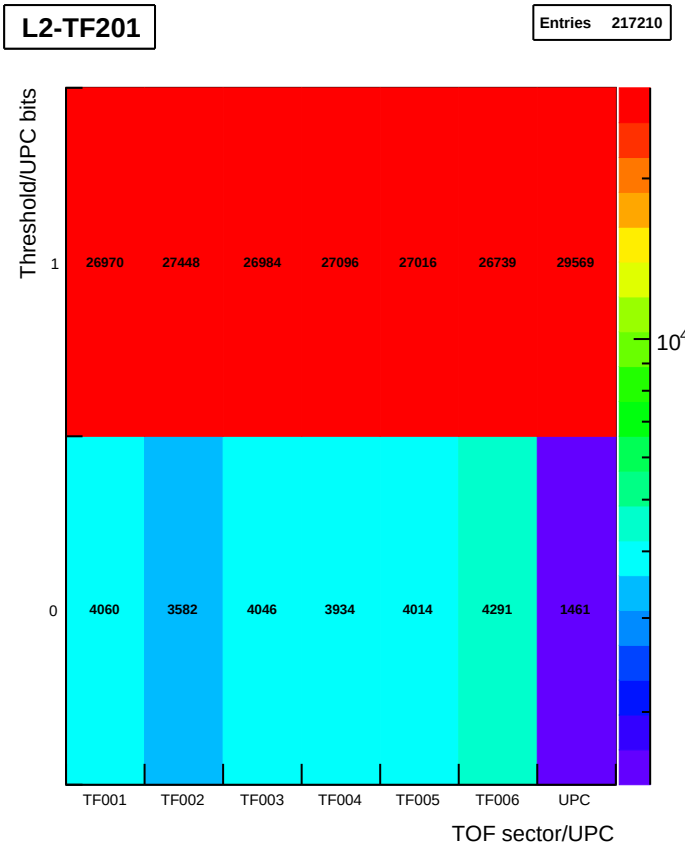

MIX-TF101
Entries 10008
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

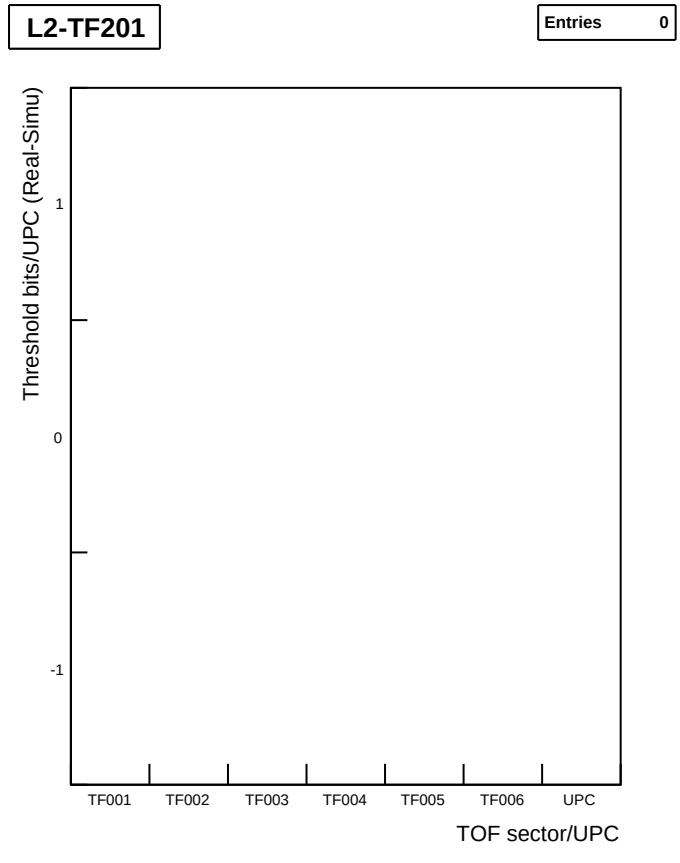

MIX-TF101
Entries 186180
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

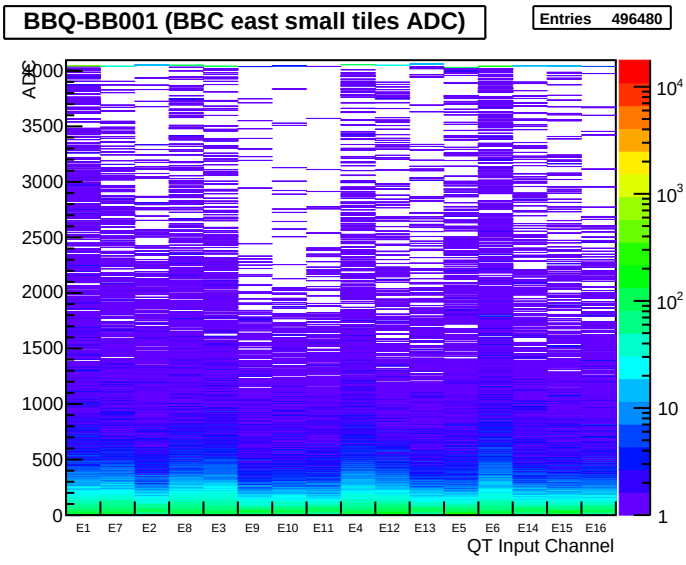

MIX-TF101
Entries 20489
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

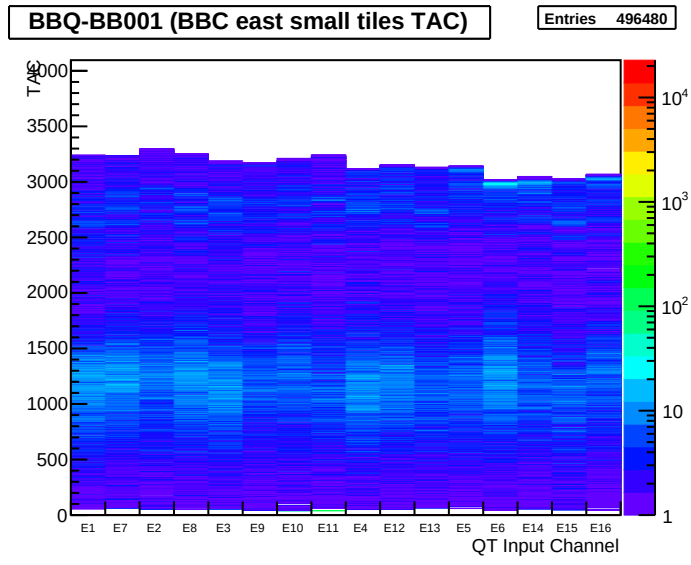

L2-TF201
Entries 31030
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

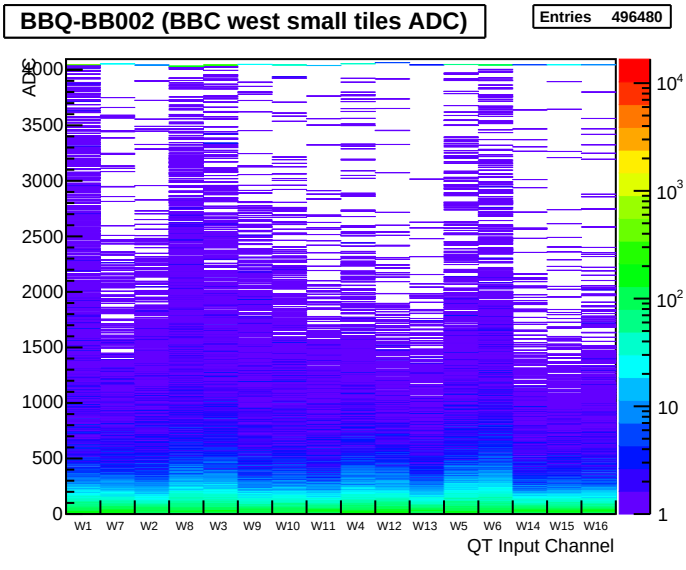

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

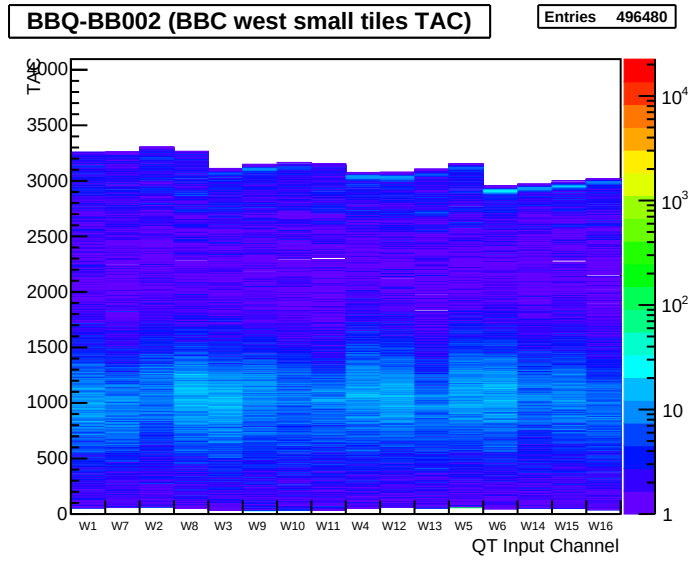

L2-TF201
Entries 217210
Threshold/UPC bits
1
0
26970
27448
26984
27096
27016
26739
29569
4060
3582
4046
3934
4014
4291
1461
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

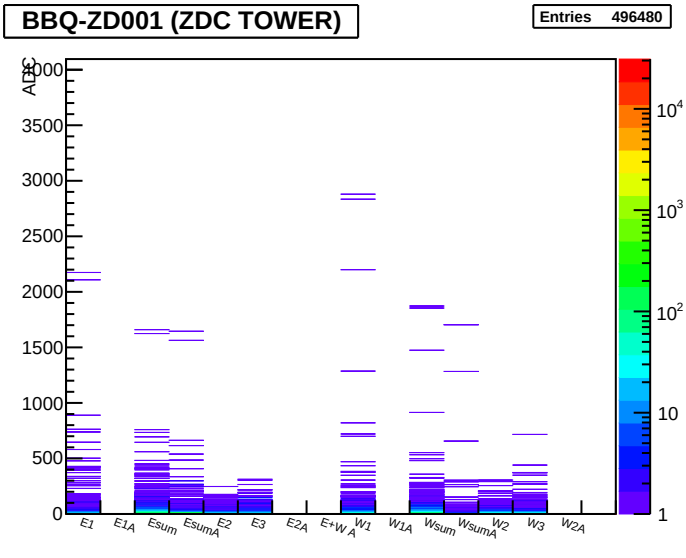

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

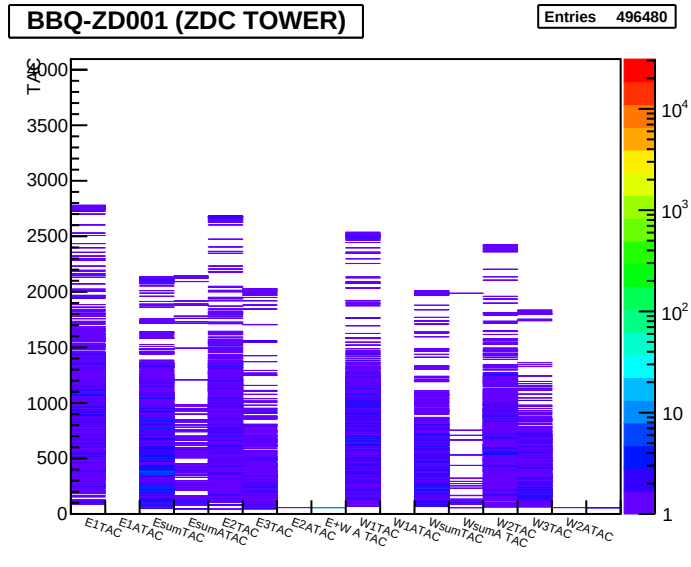

BBQ-BB001 (BBC east small tiles ADC)
Entries 496480
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

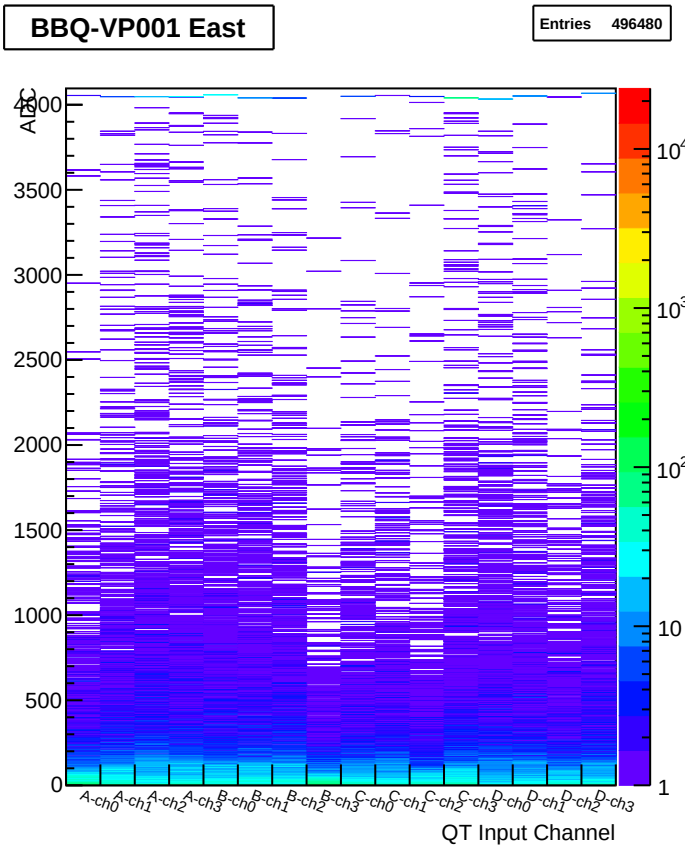

BBQ-BB001 (BBC east small tiles TAC)
Entries 496480
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

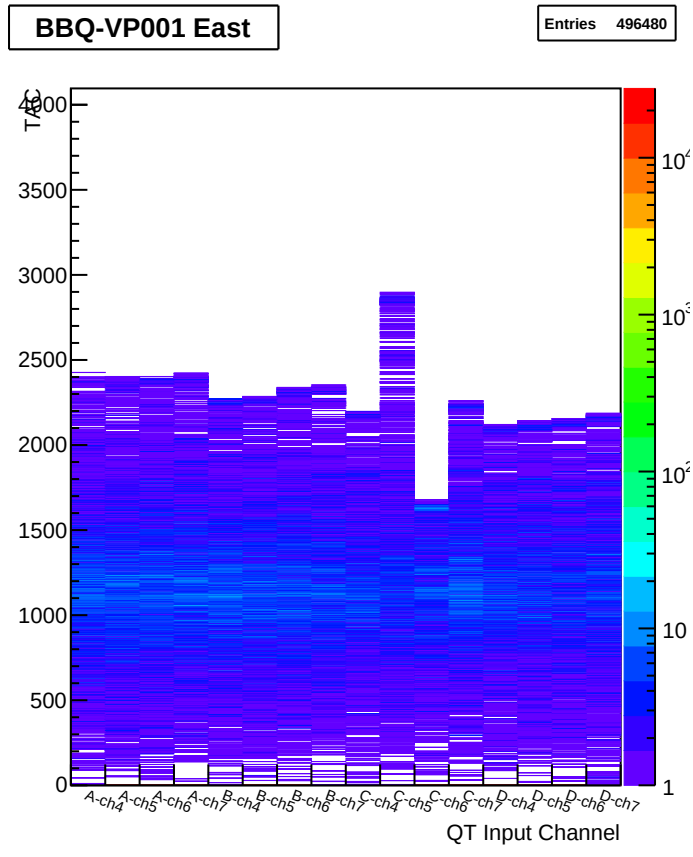

BBQ-BB002 (BBC west small tiles ADC)
Entries 496480
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

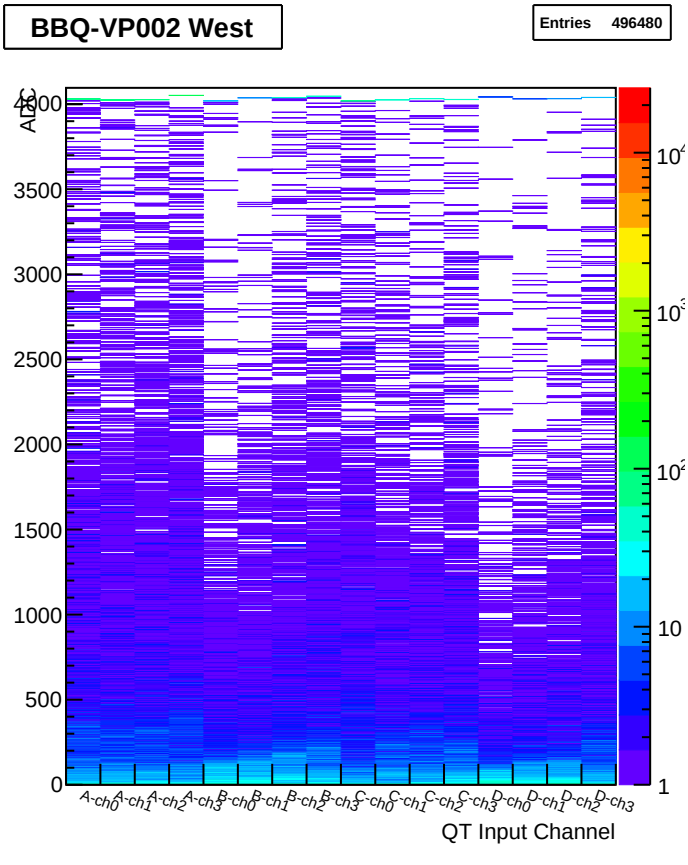

BBQ-BB002 (BBC west small tiles TAC)
Entries 496480
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

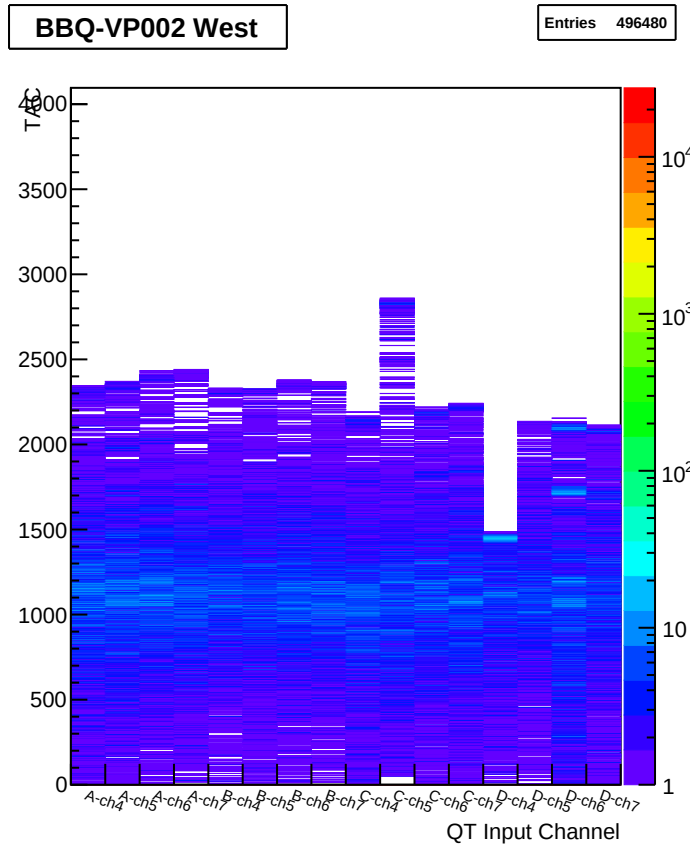

BBQ-ZD001 (ZDC TOWER)
Entries 496480
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

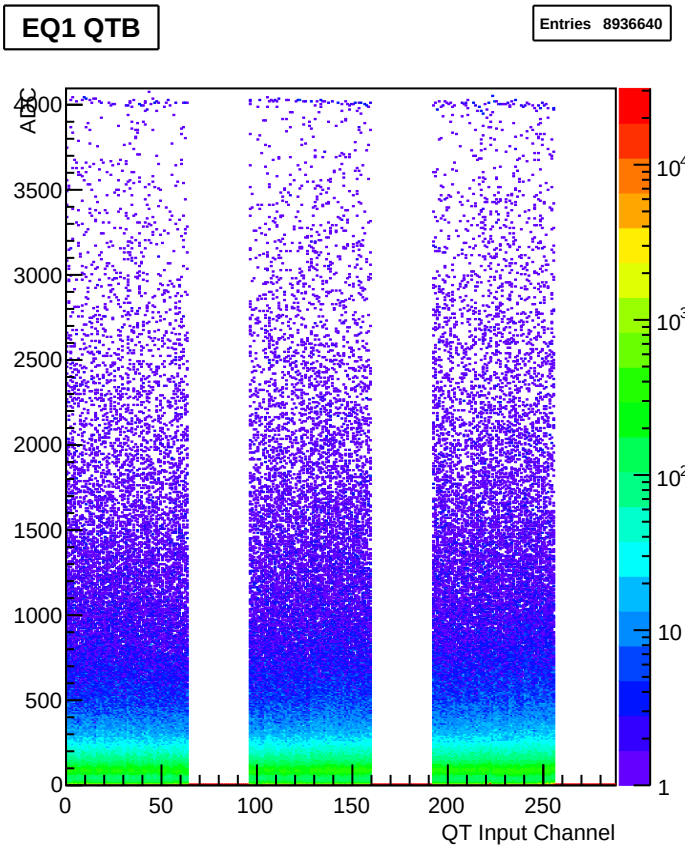

BBQ-ZD001 (ZDC TOWER)
Entries 496480
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

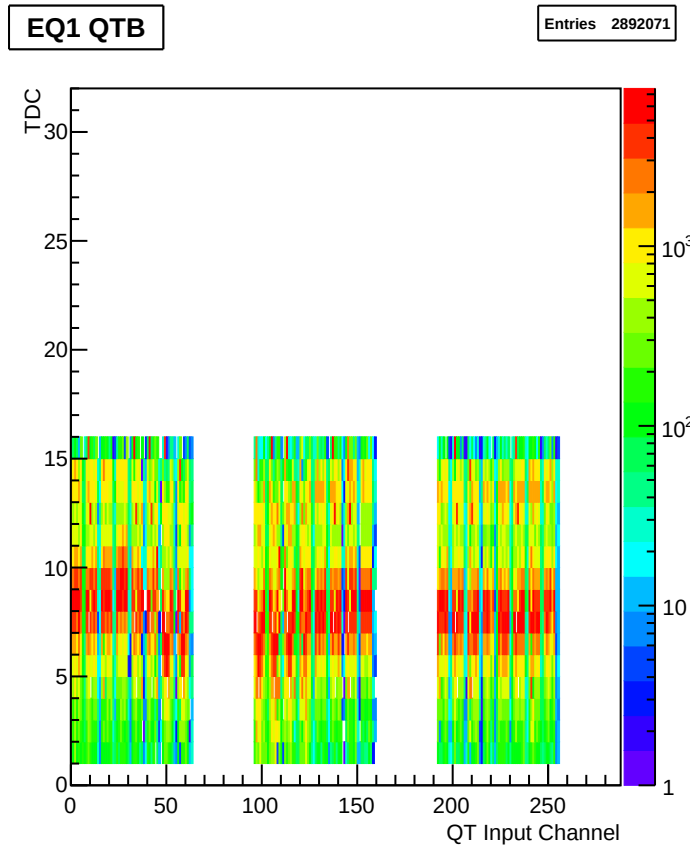

BBQ-VP001 East
Entries 496480
ADC
QT Input Channel

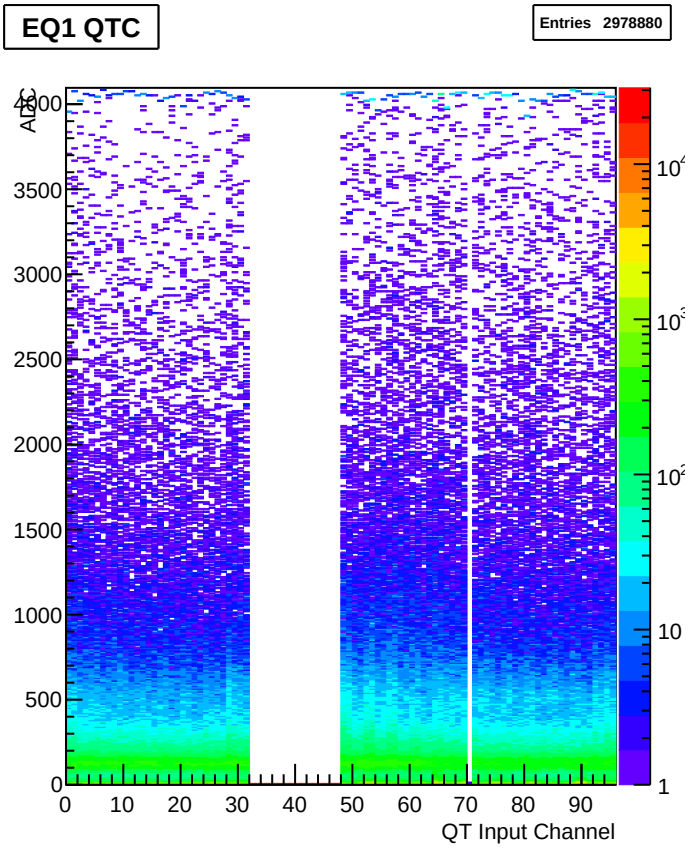

BBQ-VP001 East
Entries 496480
TADC
QT Input Channel

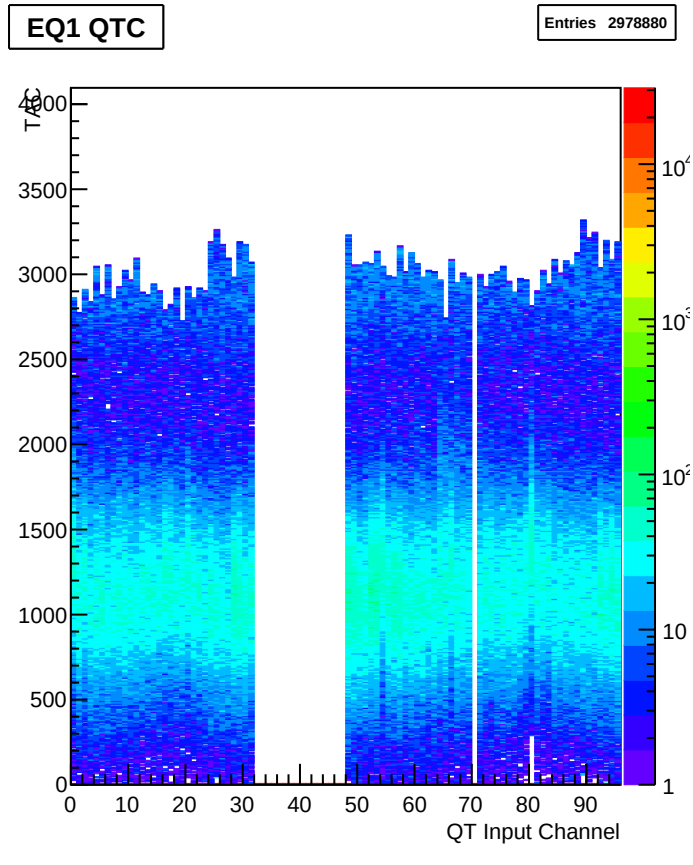

BBQ-VP002 West
Entries 496480
ADC
QT Input Channel

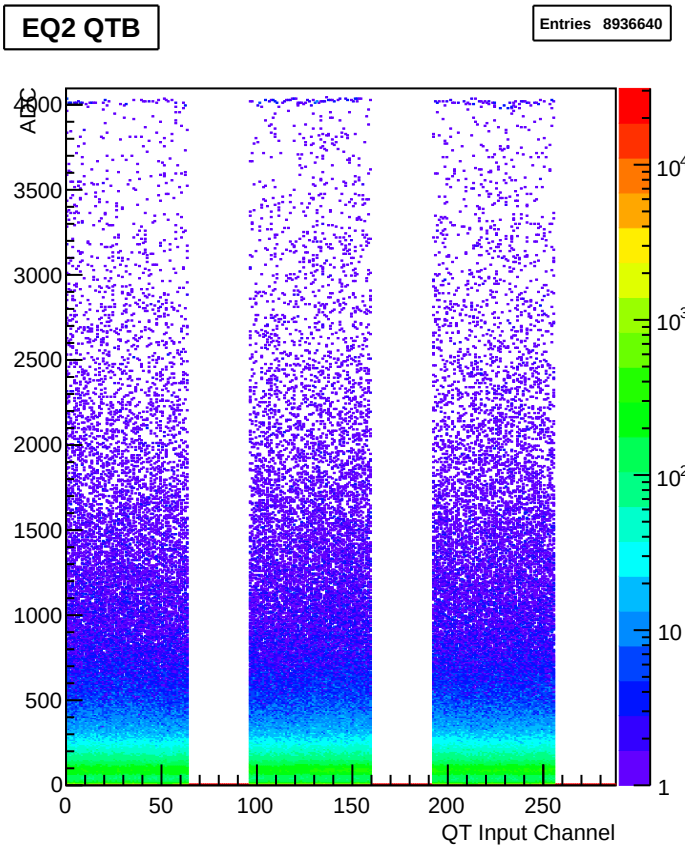

BBQ-VP002 West
Entries 496480
TADC
QT Input Channel

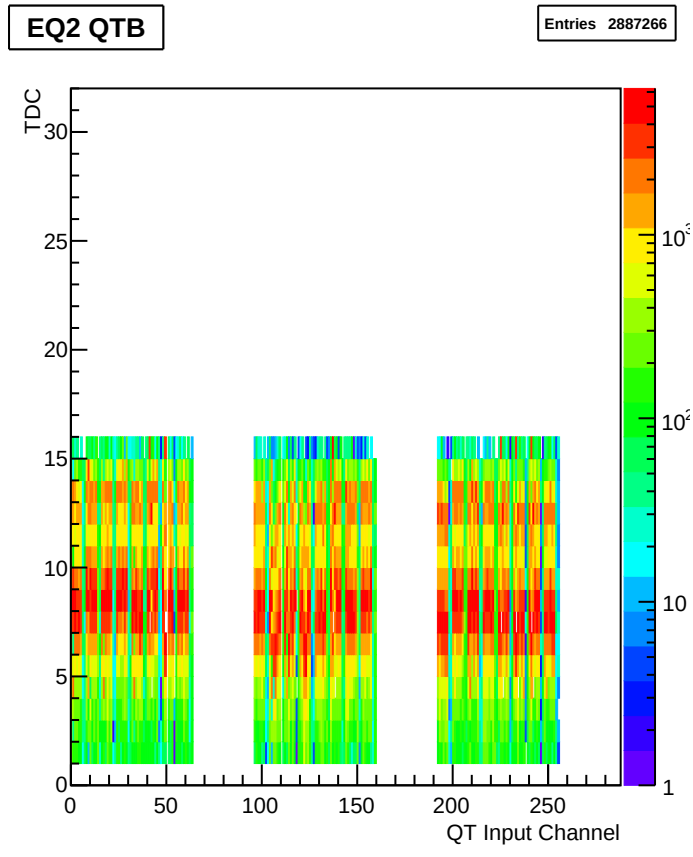

EQ1 QTB
Entries 8936640
ADC
QT Input Channel

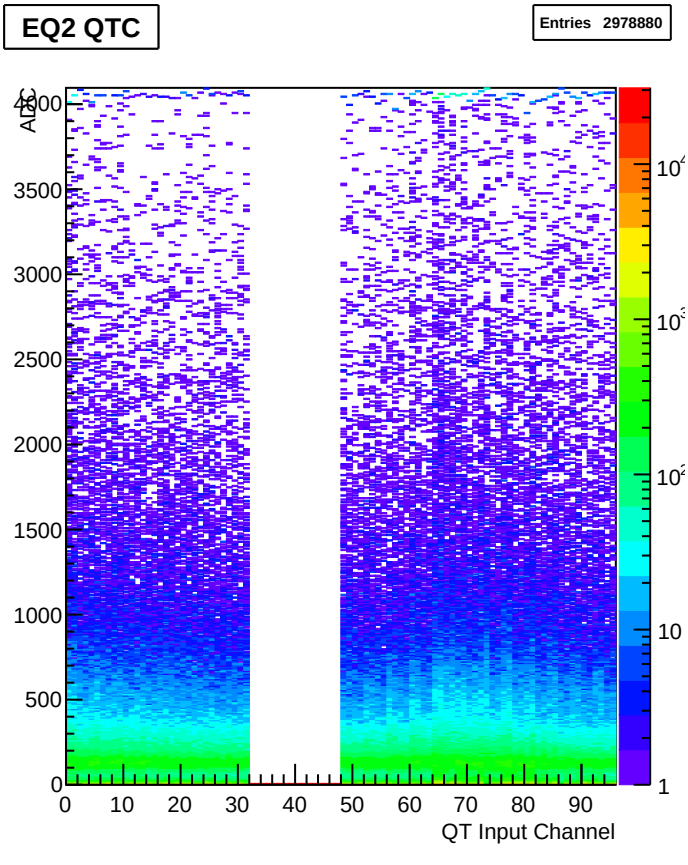

EQ1 QTB
Entries 2892071
TDC
QT Input Channel

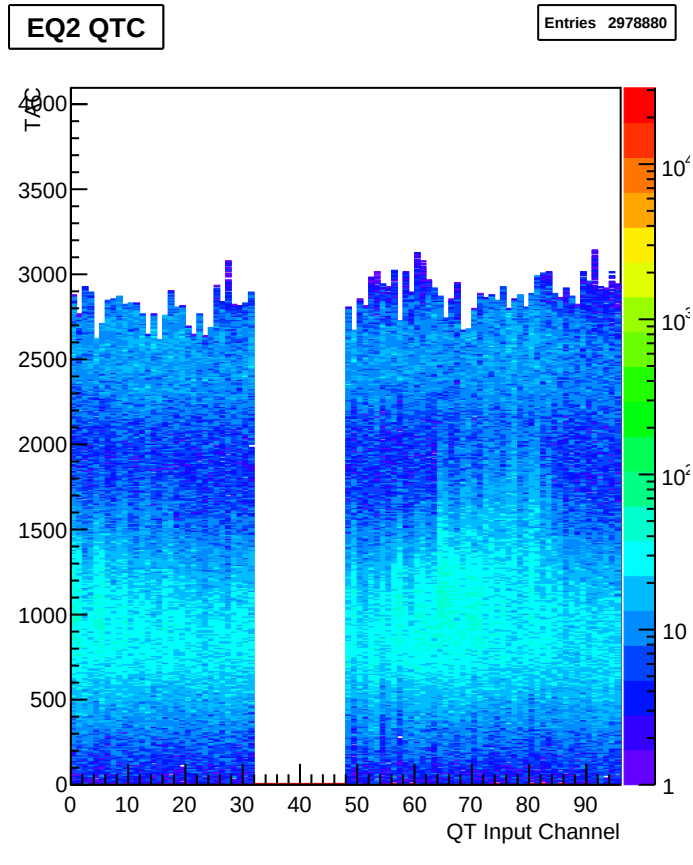

EQ1 QTC
Entries 2978880
ADC
QT Input Channel

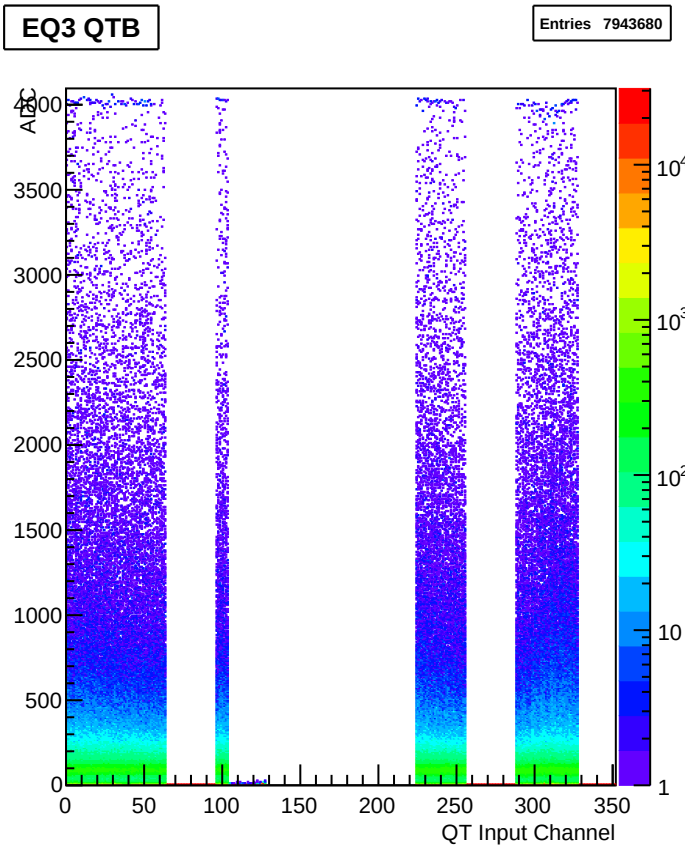

EQ1 QTC
Entries 2978880
TADC
QT Input Channel

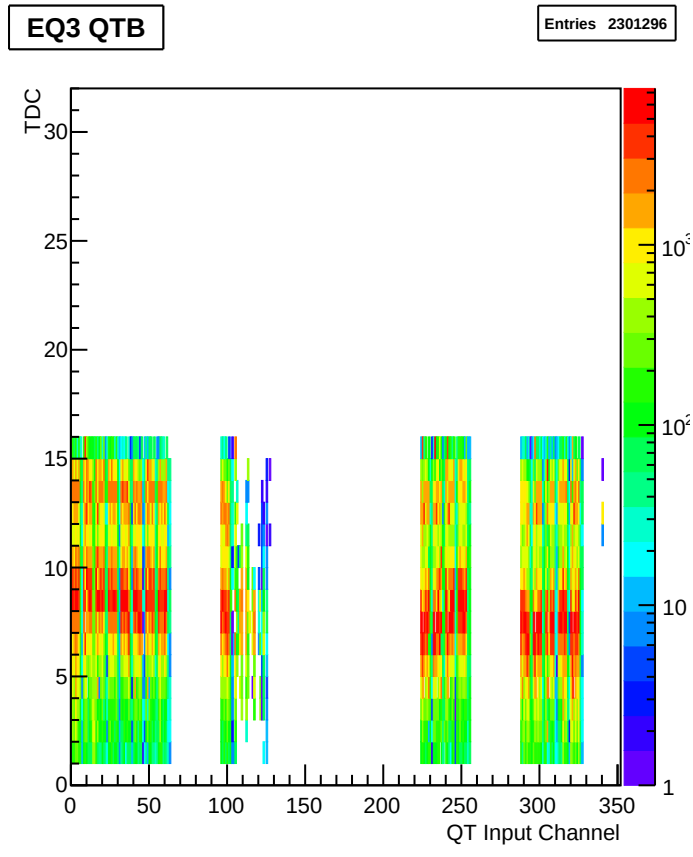

EQ2 QTB
Entries 8936640
ADC
QT Input Channel

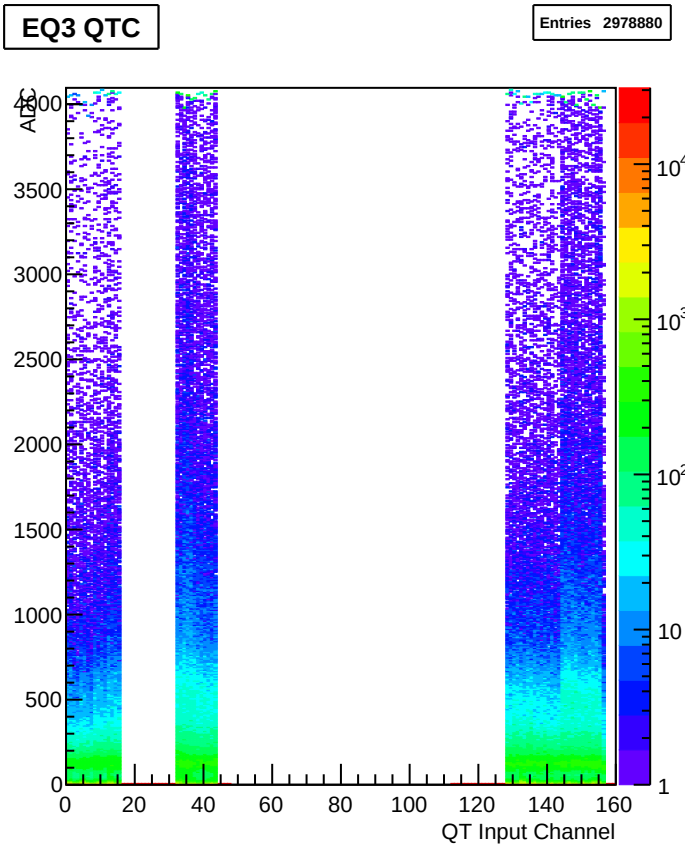

EQ2 QTB
Entries 2887266
TDC
QT Input Channel

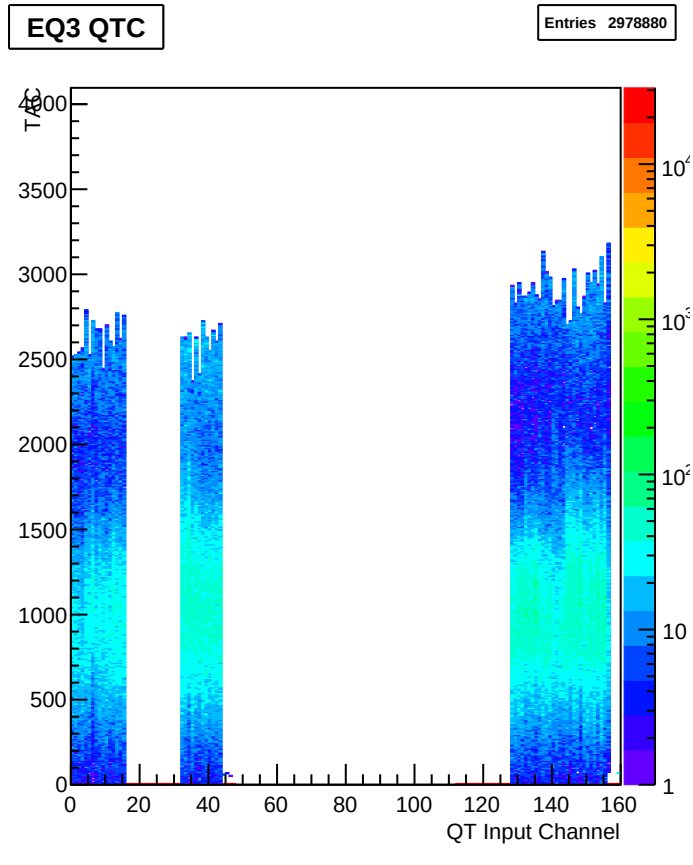

EQ2 QTC
Entries 2978880
ADC
QT Input Channel

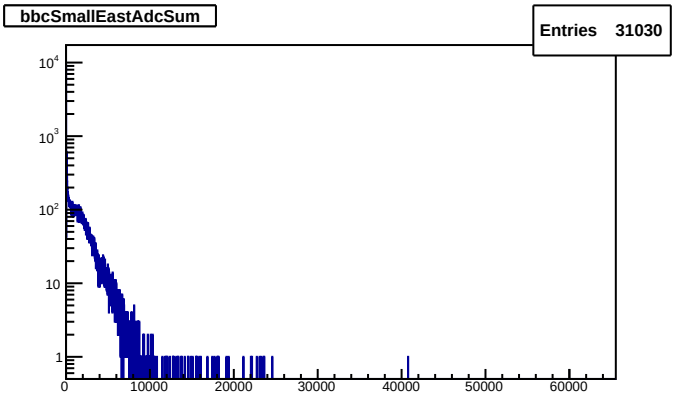

EQ2 QTC
Entries 2978880
TADC
QT Input Channel

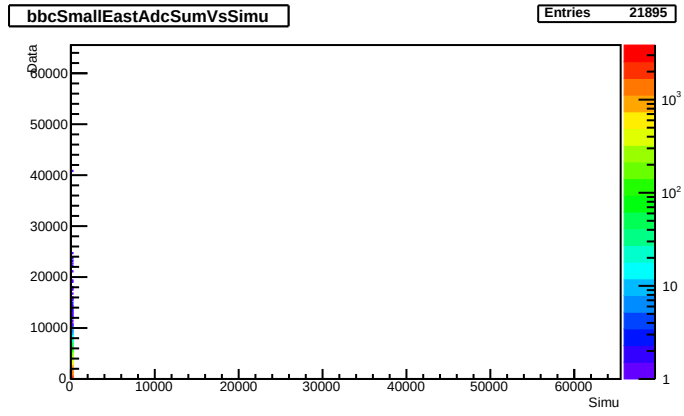

EQ3 QTB
Entries 7943680
ADC
QT Input Channel

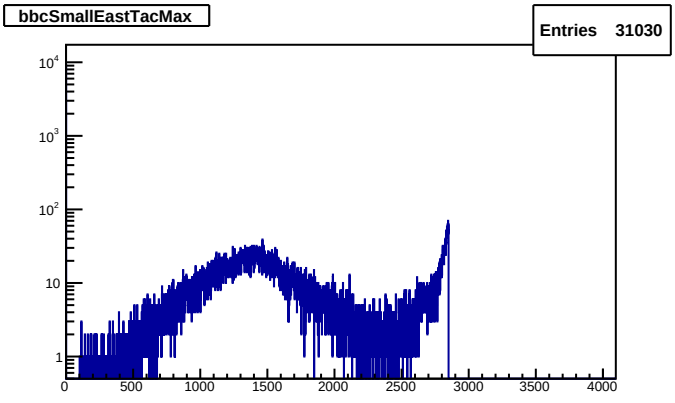

EQ3 QTB
Entries 2301296
TDC
QT Input Channel

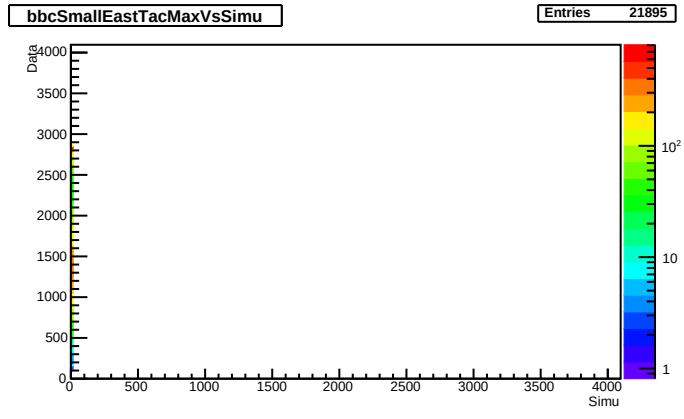

EQ3 QTC
Entries 2978880
ADC
QT Input Channel

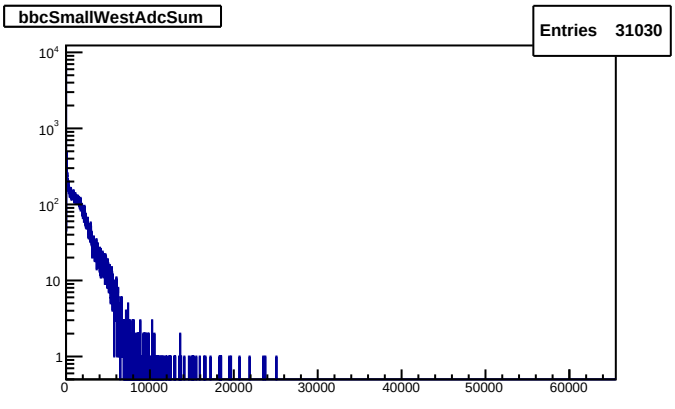

EQ3 QTC
Entries 2978880
TADC
QT Input Channel

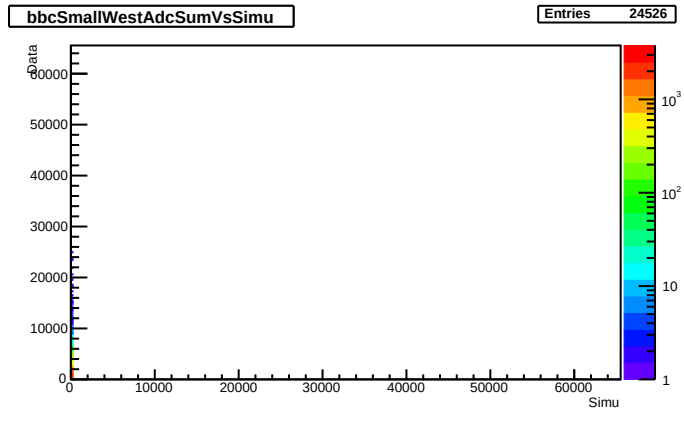

bbcSmallEastAdcSum
Entries 31030

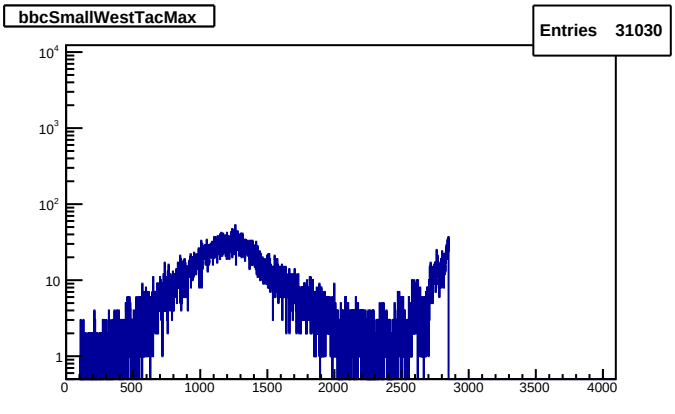

bbcSmallEastAdcSumVsSimu
Entries 21895
Data
Simu

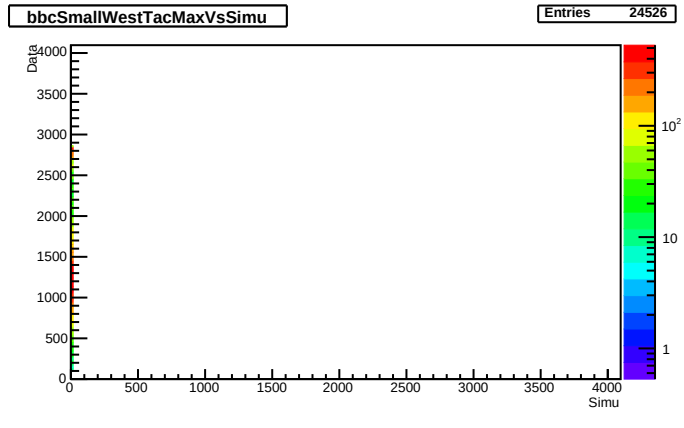

bbcSmallEastTacMax
Entries 31030

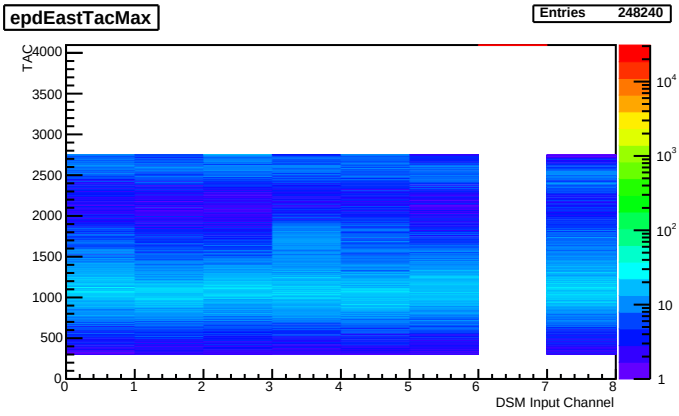

bbcSmallEastTacMaxVsSimu
Entries 21895
Data
Simu

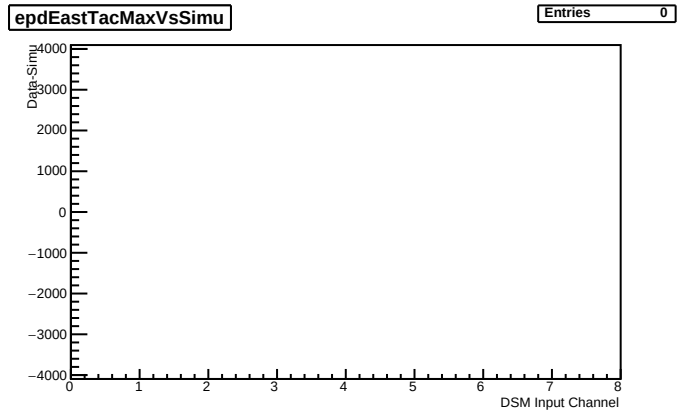

bbcSmallWestAdcSum
Entries 31030

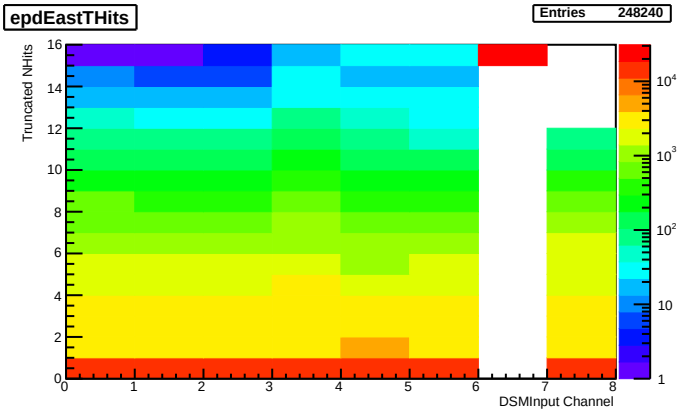

bbcSmallWestAdcSumVsSimu
Entries 24526
Data
Simu

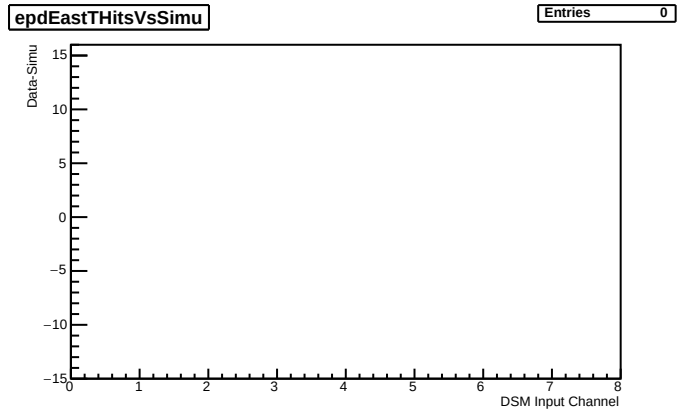

bbcSmallWestTacMax
Entries 31030

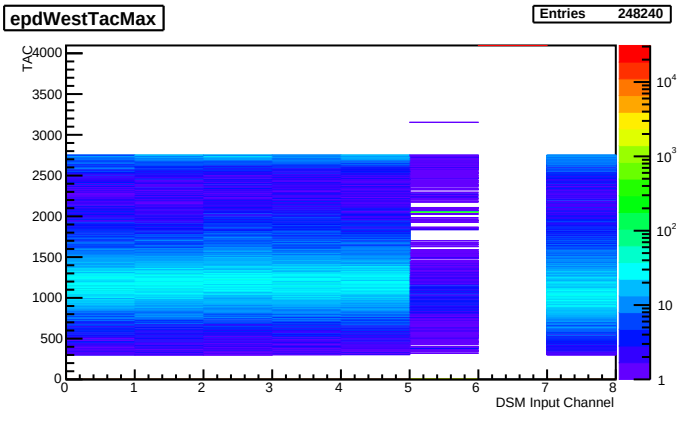

bbcSmallWestTacMaxVsSimu
Entries 24526
Data
Simu

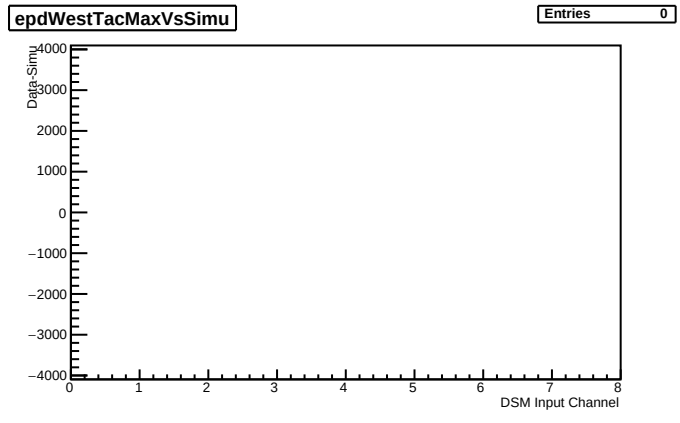

epdEastTacMax
Entries 248240
TAC
DSM Input Channel

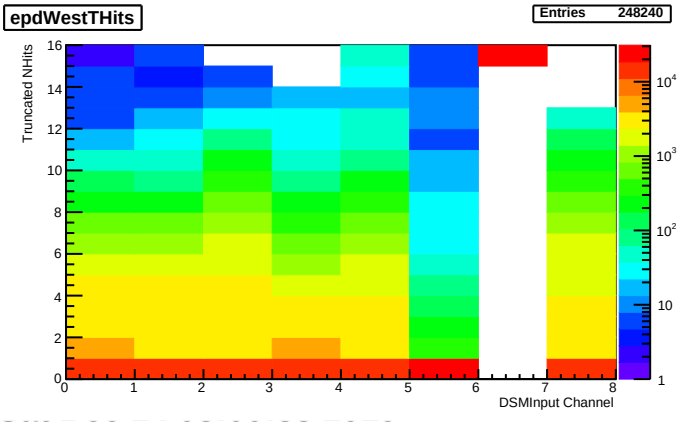

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

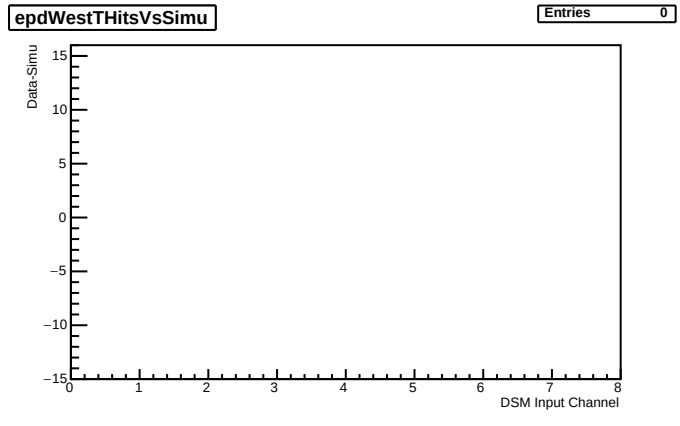

epdEastTHits
Entries 248240
Truncated NHits
DSMInput Channel

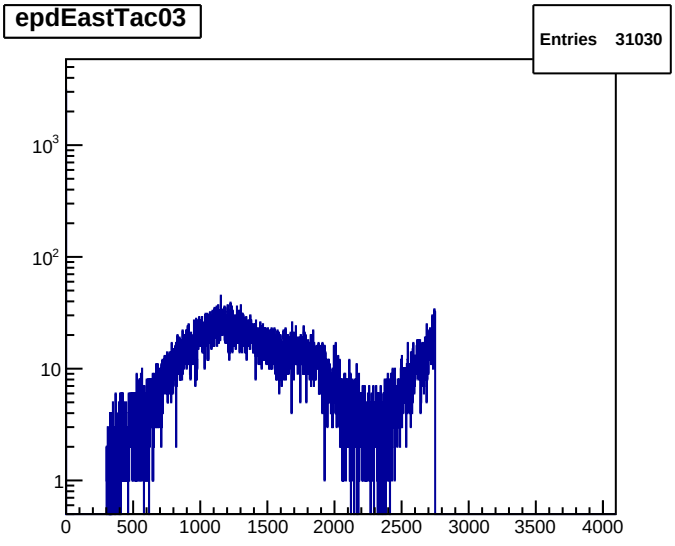

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

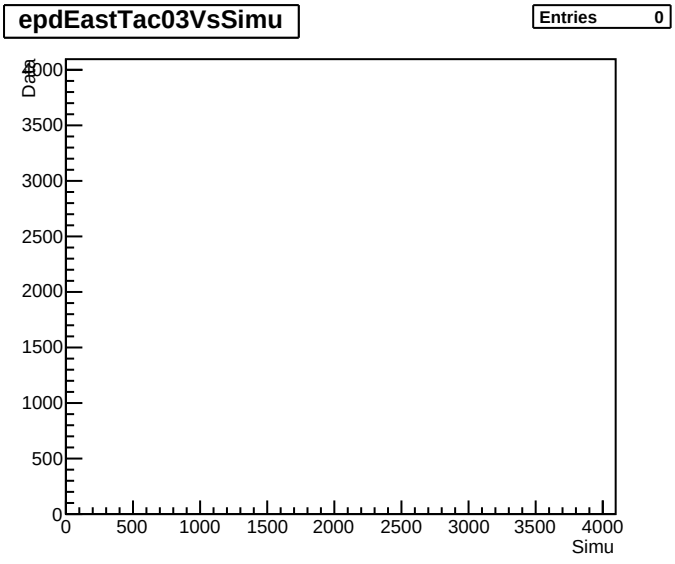

epdWestTacMax
Entries 248240
TAC
DSM Input Channel

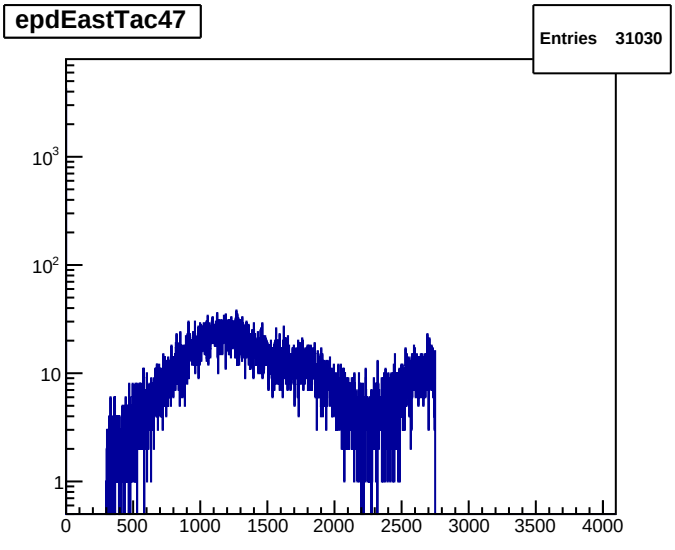

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

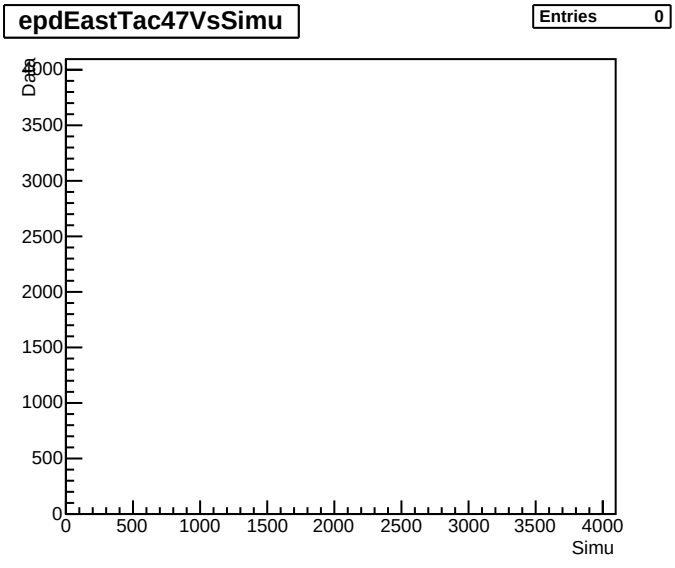

epdWestTHits
Entries 248240
Truncated NHits
DSMInput Channel

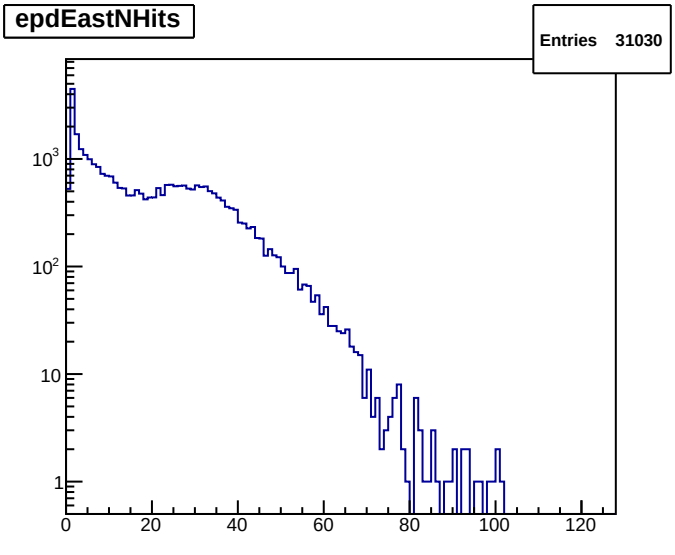

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

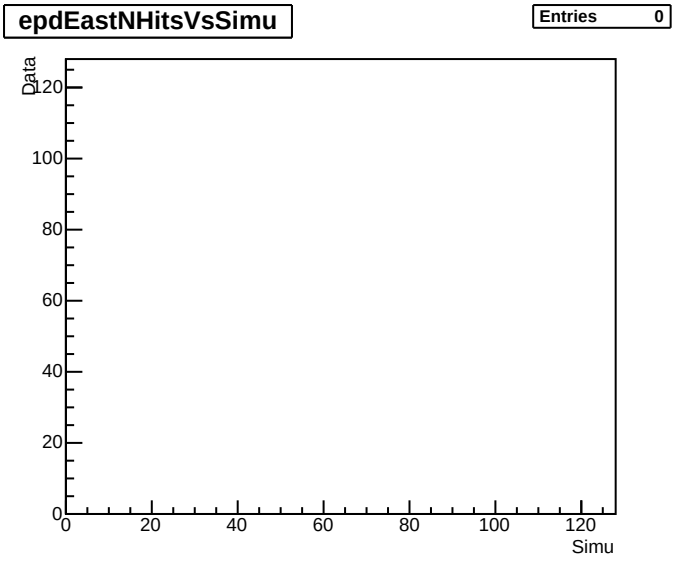

epdEastTac03
Entries 31030
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

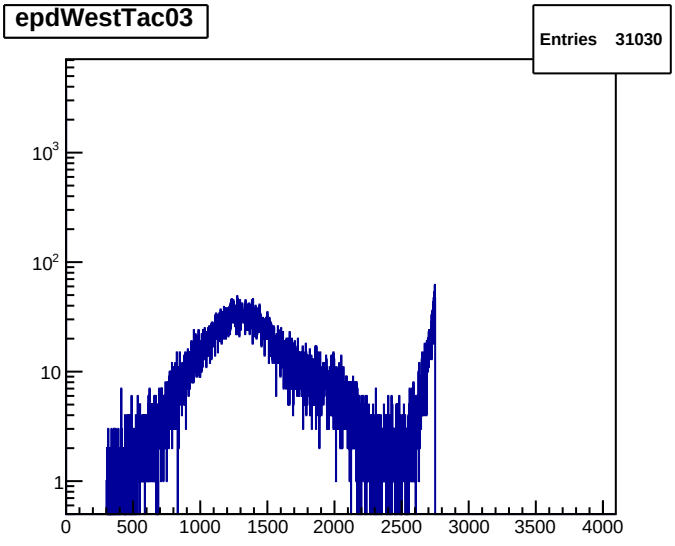

epdEastTac03VsSimu
Entries 0
Data
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

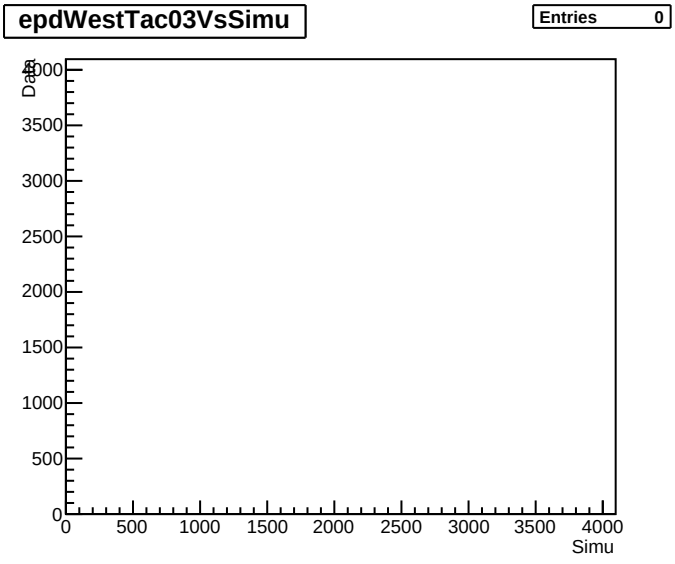

epdEastTac47
Entries 31030
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

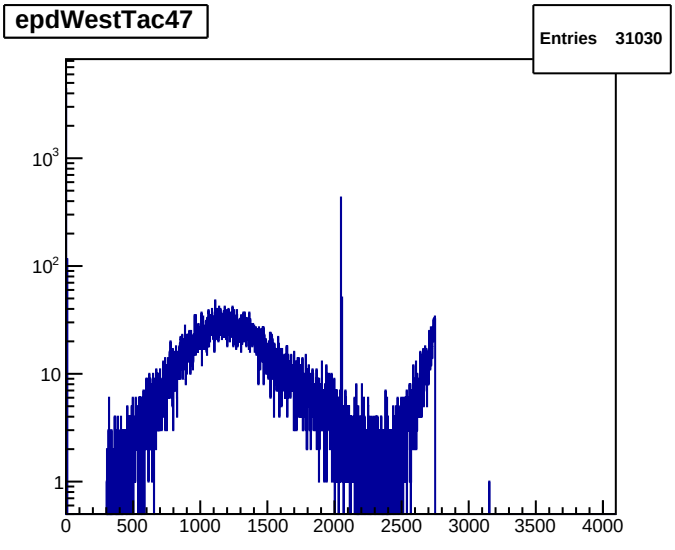

epdEastTac47VsSimu
Entries 0
Data
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

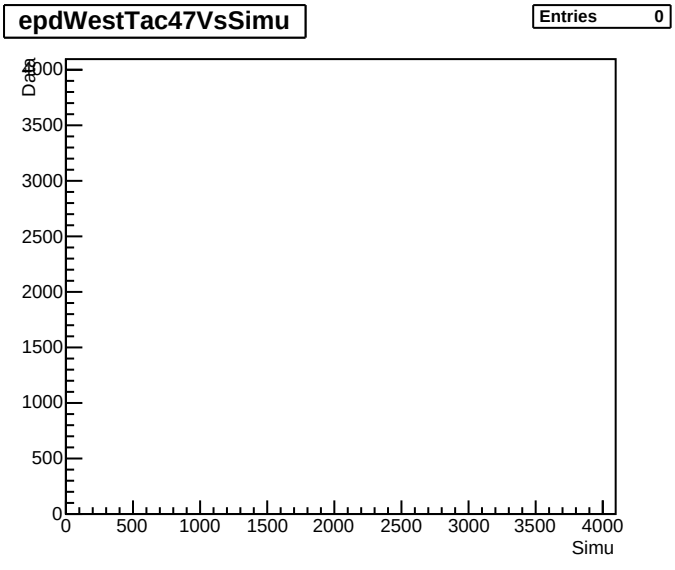

epdEastNHits
Entries 31030
10^3
10^2
10
1
0 20 40 60 80 100 120

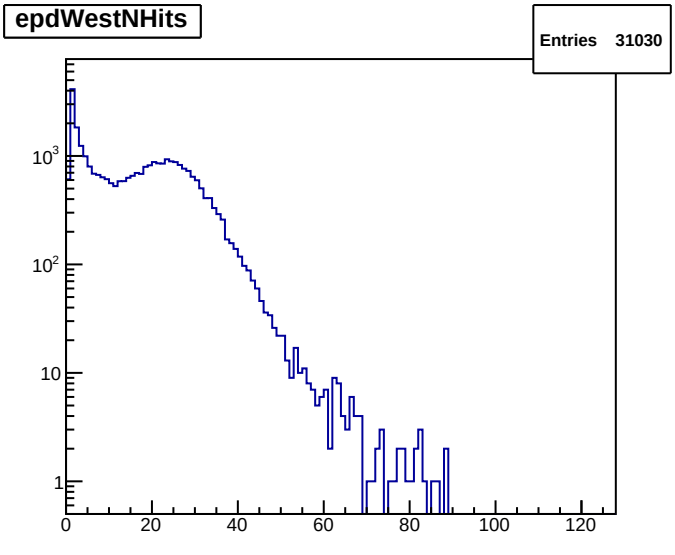

epdEastNHitsVsSimu
Entries 0
Data
0 20 40 60 80 100 120
Simu

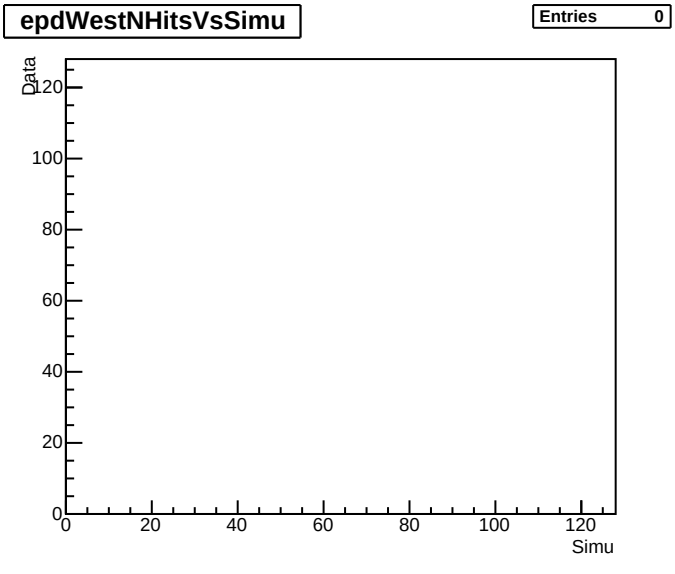

epdWestTac03
Entries 31030

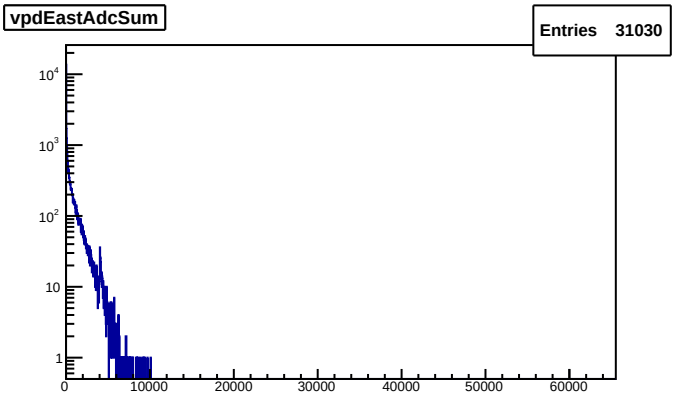

epdWestTac03VsSimu
Entries 0
Data
Simu

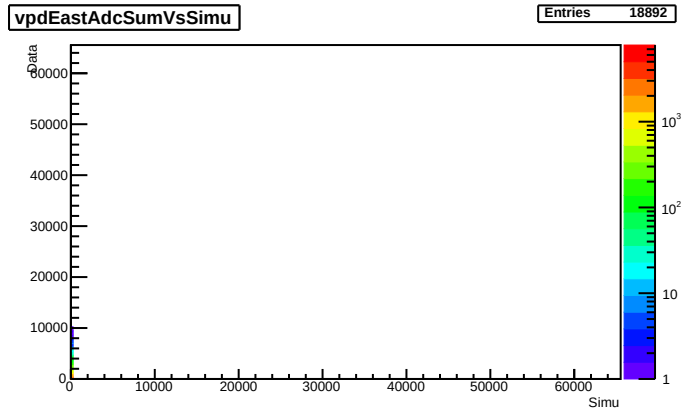

epdWestTac47
Entries 31030

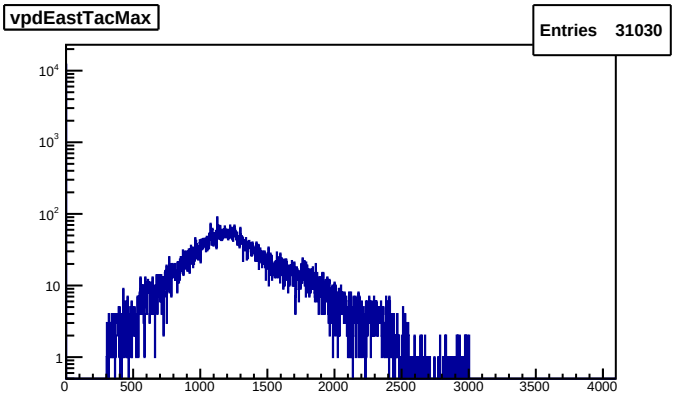

epdWestTac47VsSimu
Entries 0
Data
Simu

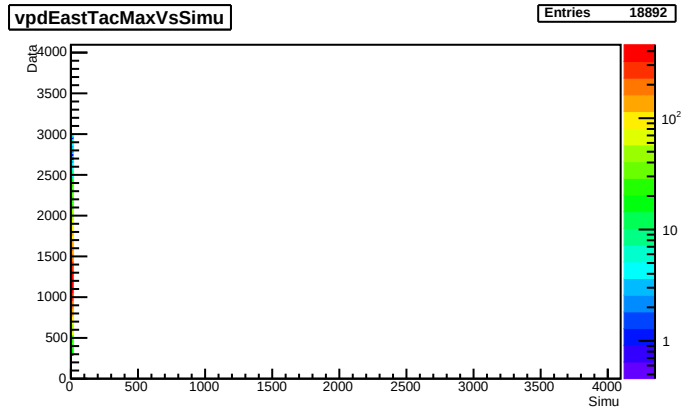

epdWestNHits
Entries 31030

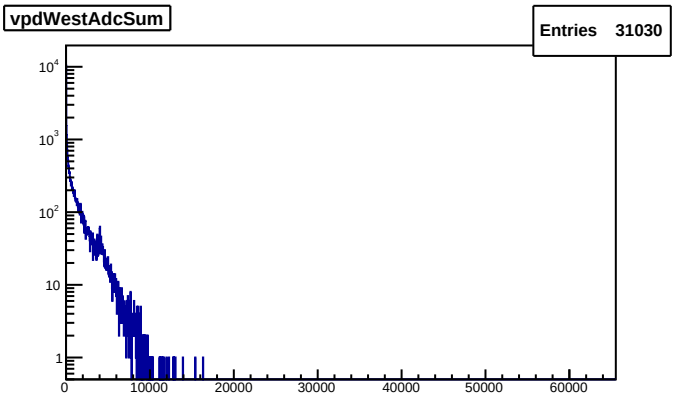

epdWestNHitsVsSimu
Entries 0
Data
Simu

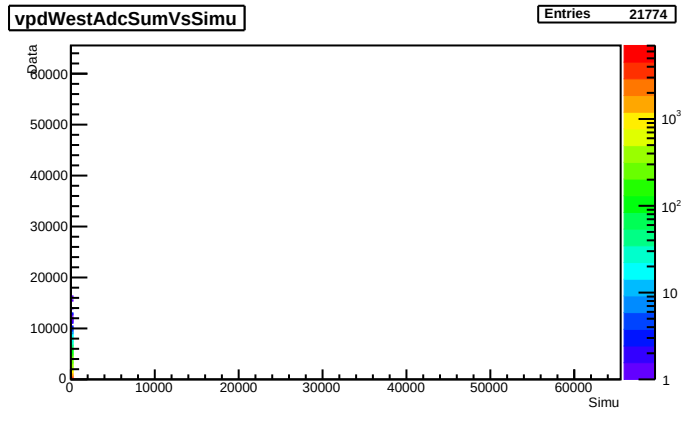

vpdEastAdcSum
Entries 31030

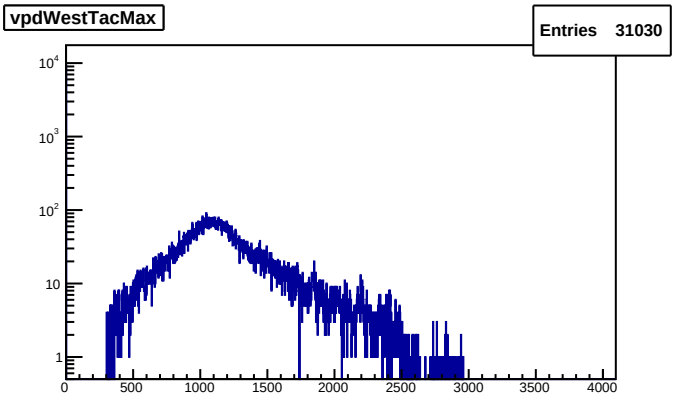

vpdEastAdcSumVsSimu
Entries 18892
Data
Simu

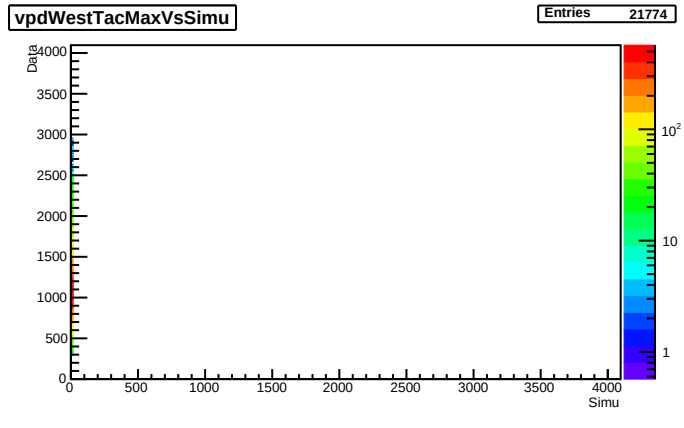

vpdEastTacMax
Entries 31030

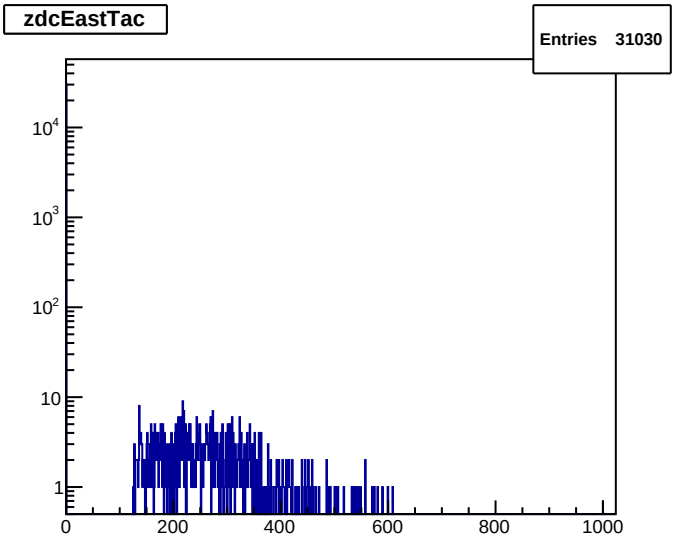

vpdEastTacMaxVsSimu
Entries 18892
Data
Simu

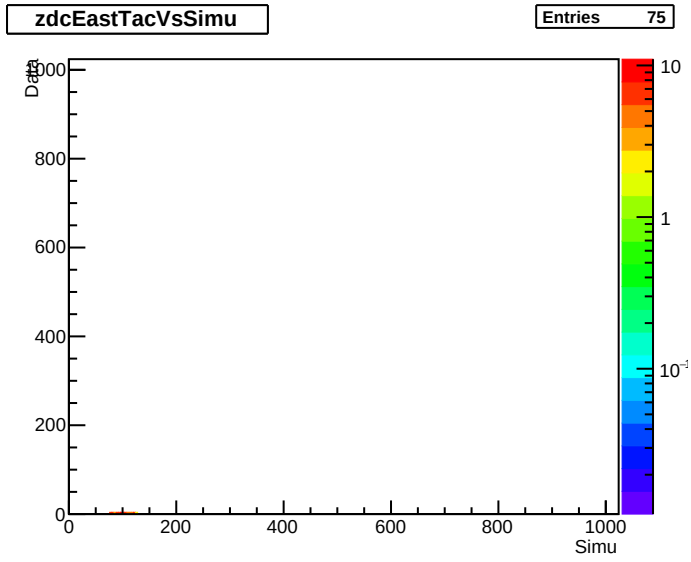

vpdWestAdcSum
Entries 31030

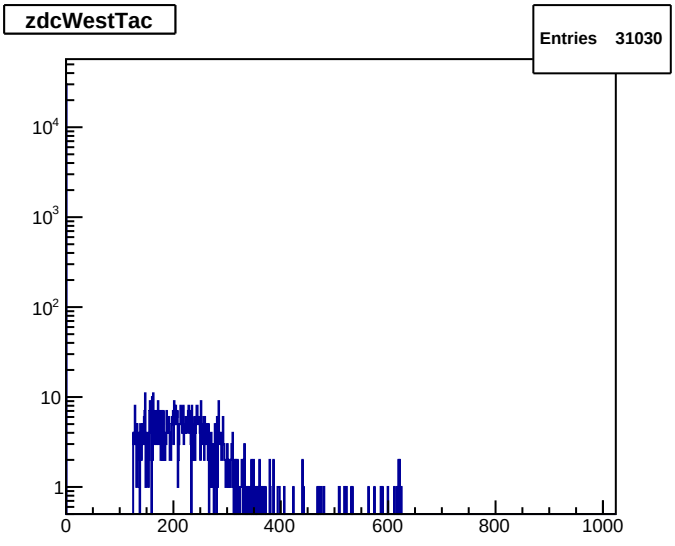

vpdWestAdcSumVsSimu
Entries 21774
Data
Simu

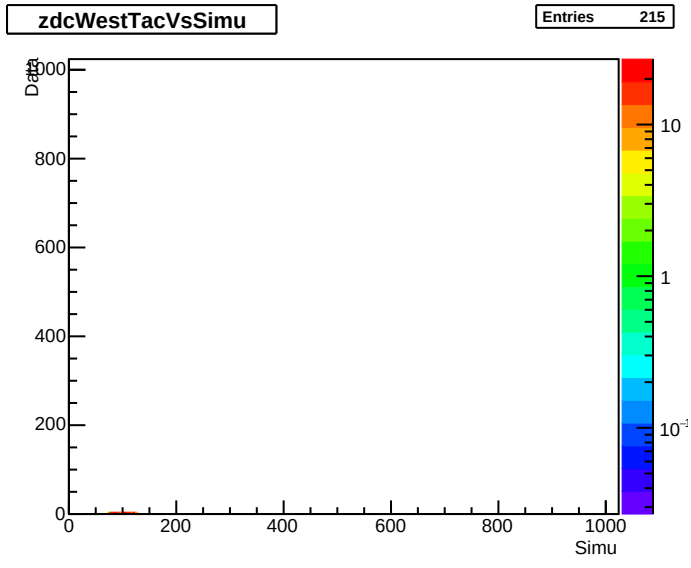

vpdWestTacMax
Entries 31030

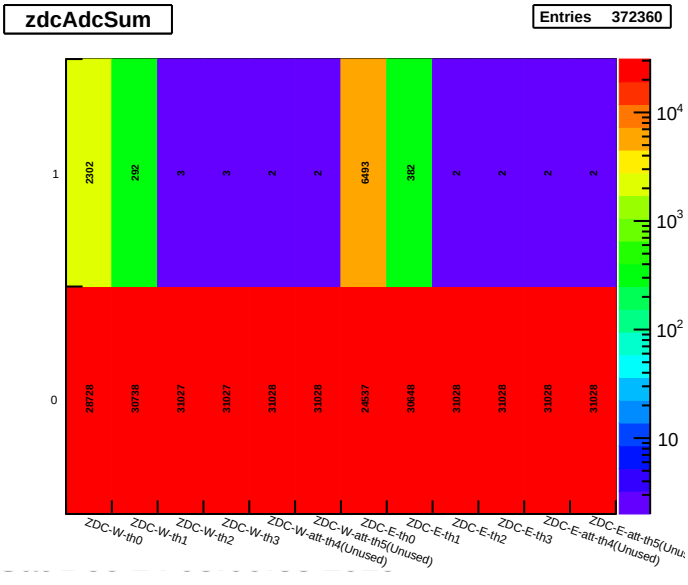

vpdWestTacMaxVsSimu
Entries 21774
Data
Simu

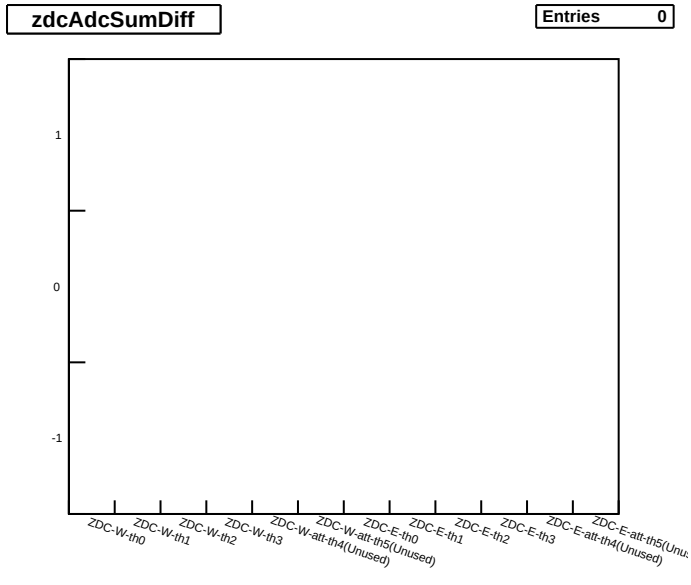

zdcEastTac
Entries 31030

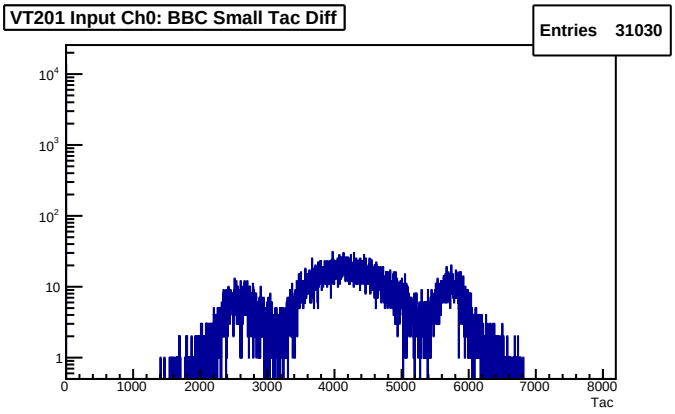

zdcEastTacVsSimu
Entries 75
Data
Simu

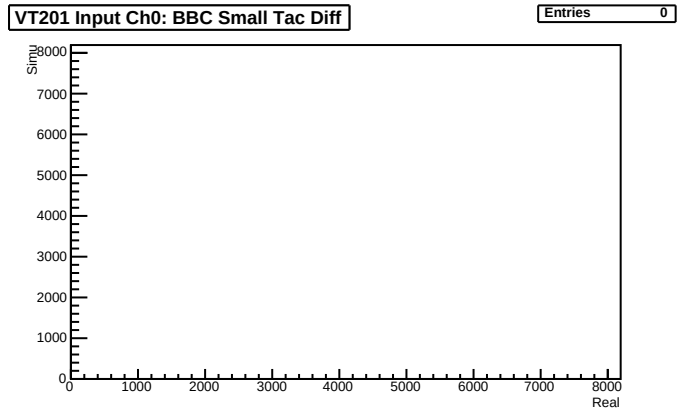

zdcWestTac
Entries 31030

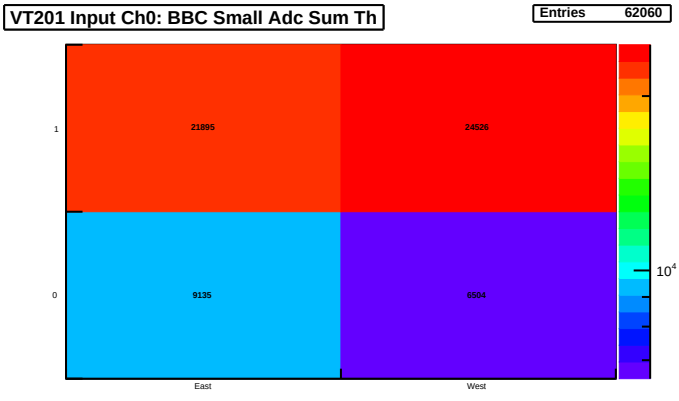

zdcWestTacVsSimu
Entries 215
Data
Simu

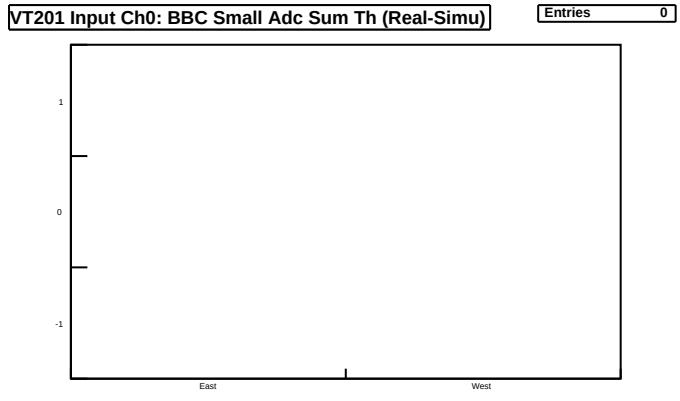

zdcAdcSum
Entries 372360
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

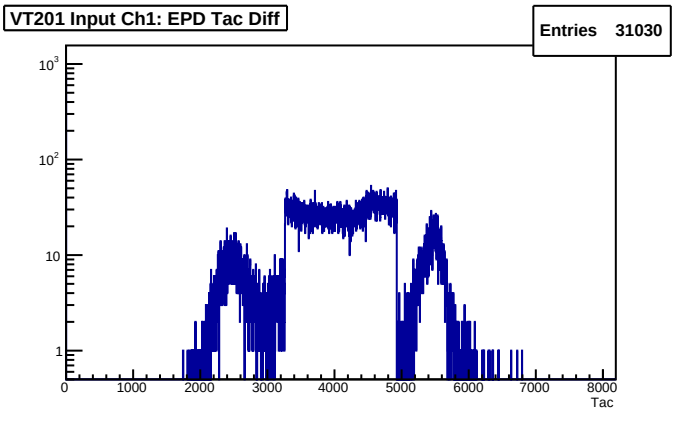

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

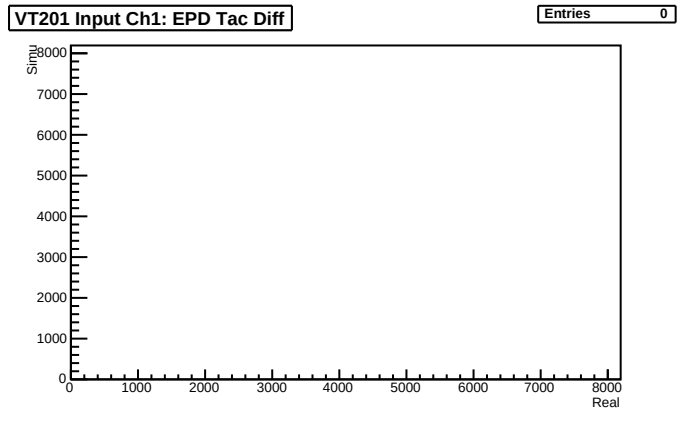

VT201 Input Ch0: BBC Small Tac Diff
Entries 31030
Tac

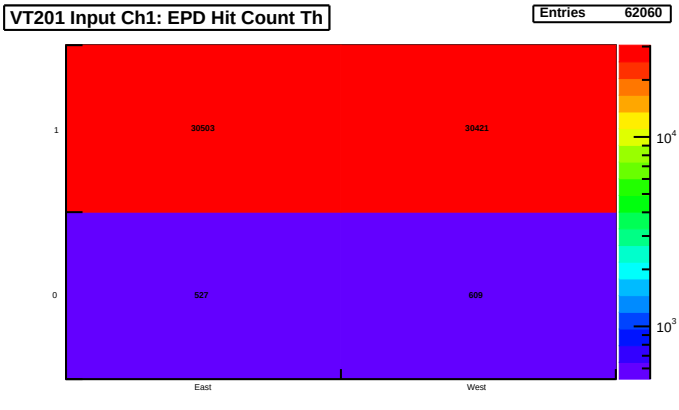

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

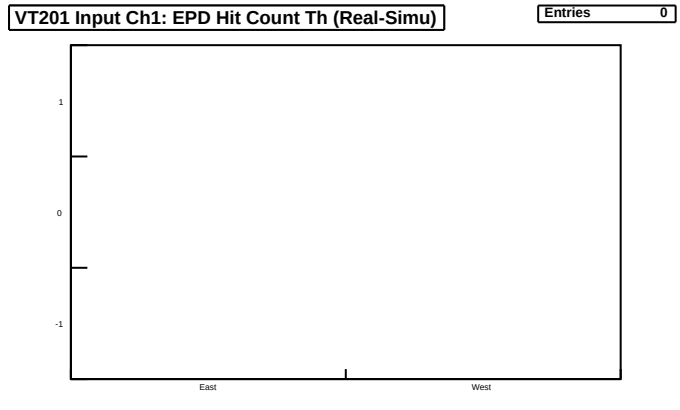

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 62060
21895
24526
9135
6504
East
West

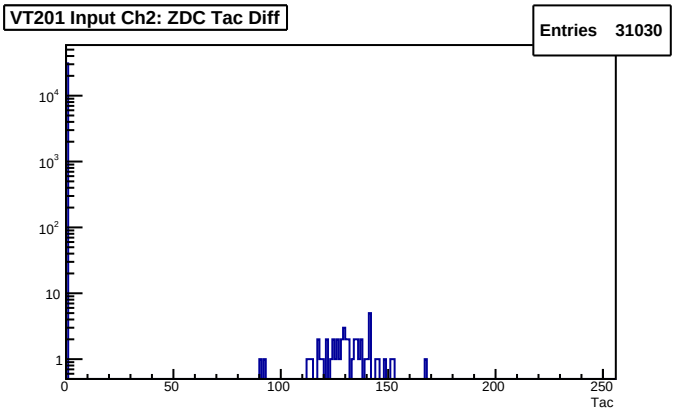

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

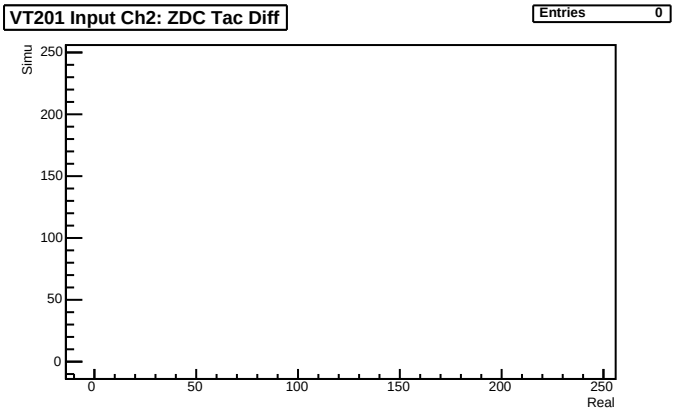

VT201 Input Ch1: EPD Tac Diff
Entries 31030
Tac

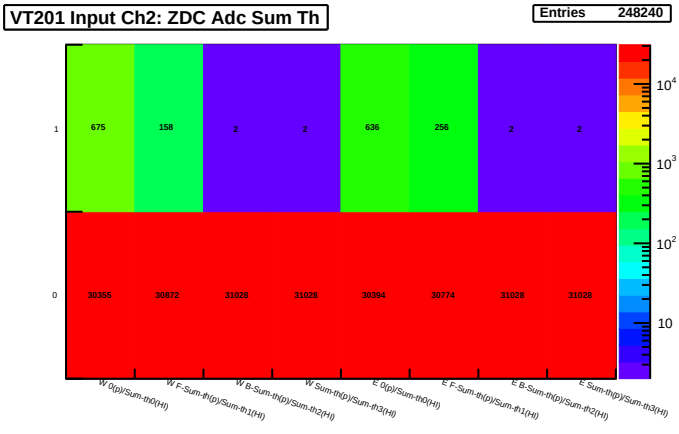

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

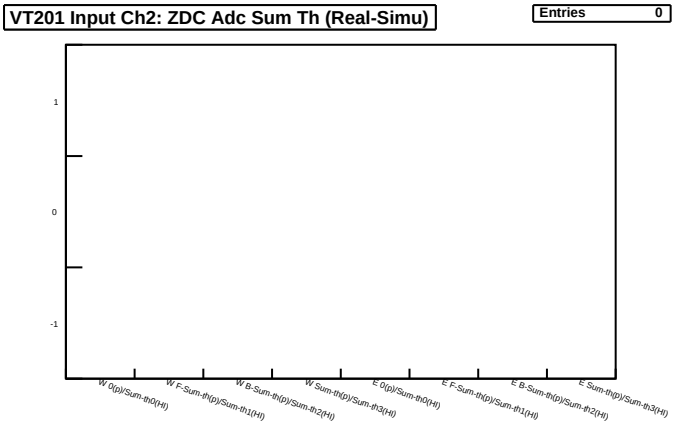

VT201 Input Ch1: EPD Hit Count Th
Entries 62060
30503
30421
527
609
East
West

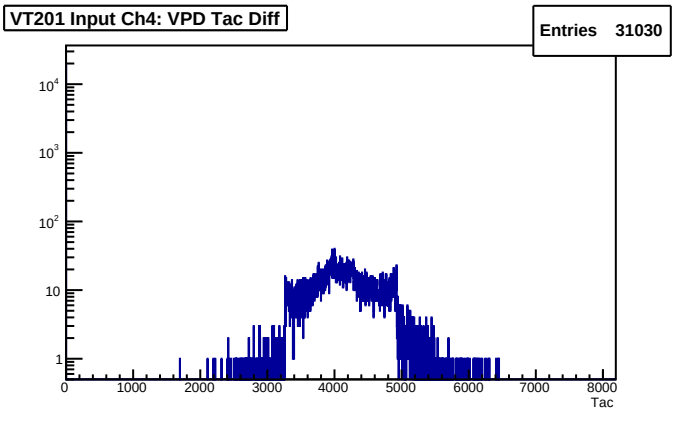

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

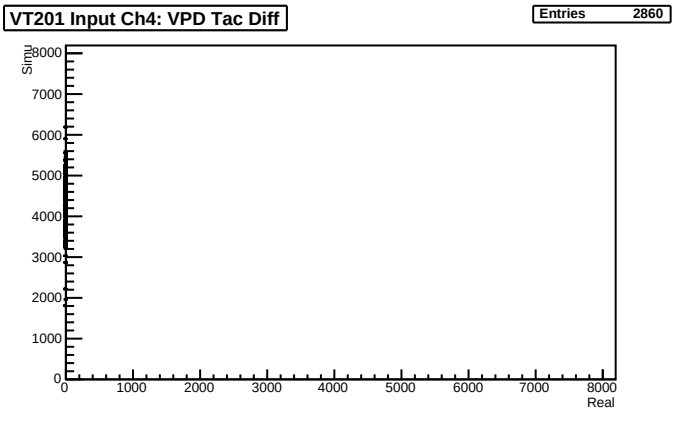

VT201 Input Ch2: ZDC Tac Diff
Entries 31030
Tac

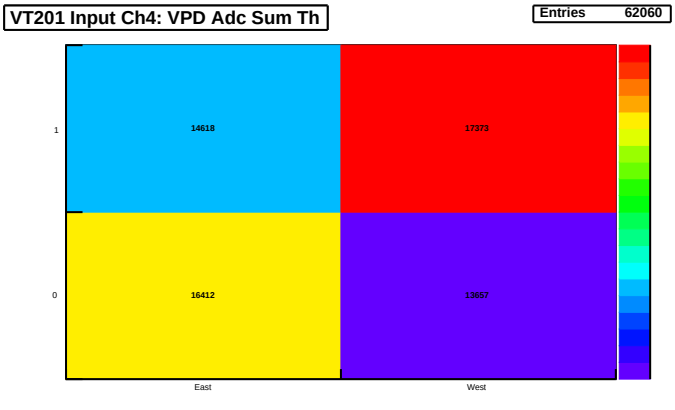

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

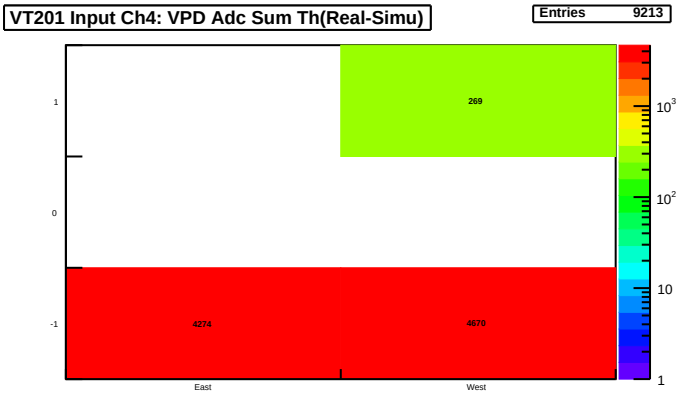

VT201 Input Ch2: ZDC Adc Sum Th
Entries 248240
675
158
2
2
636
256
2
2
30355
30872
31028
31028
30394
30774
31028
31028
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

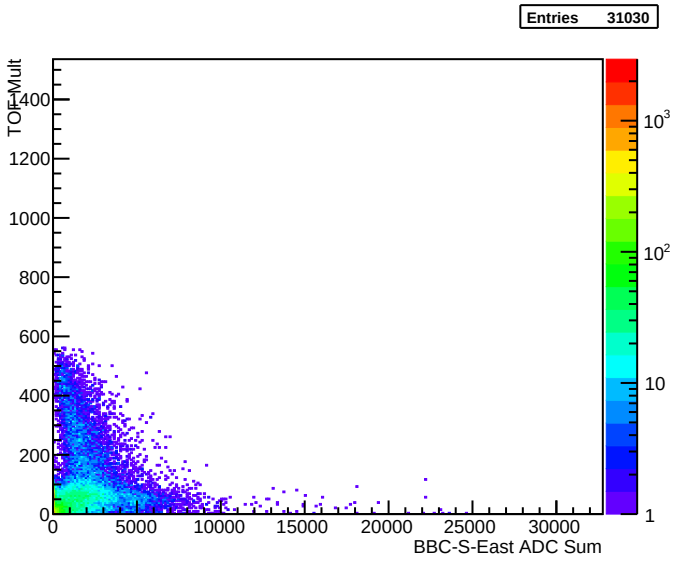

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

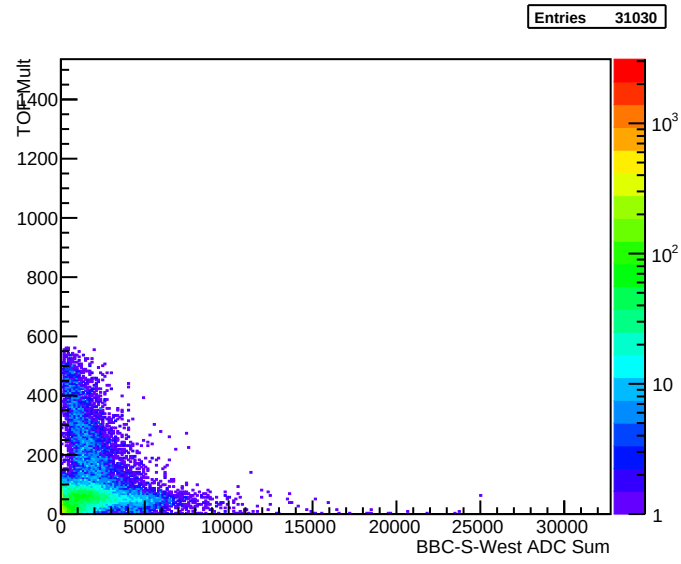

VT201 Input Ch4: VPD Tac Diff
Entries 31030
Tac

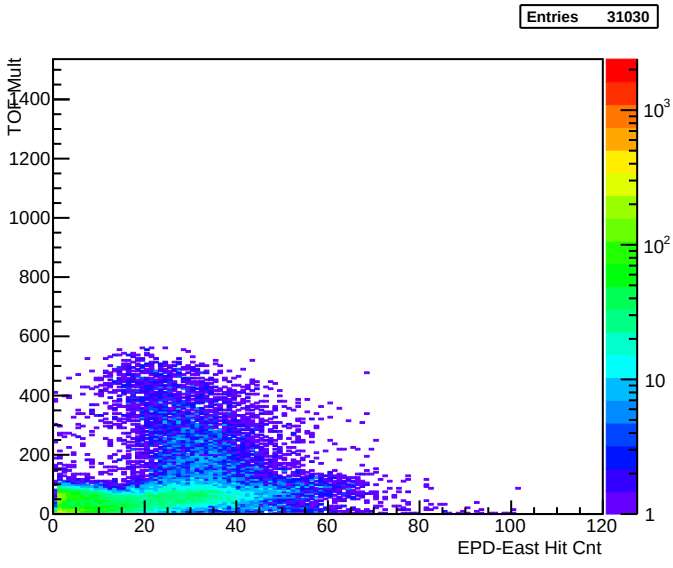

VT201 Input Ch4: VPD Tac Diff
Entries 2860
Simu
Real

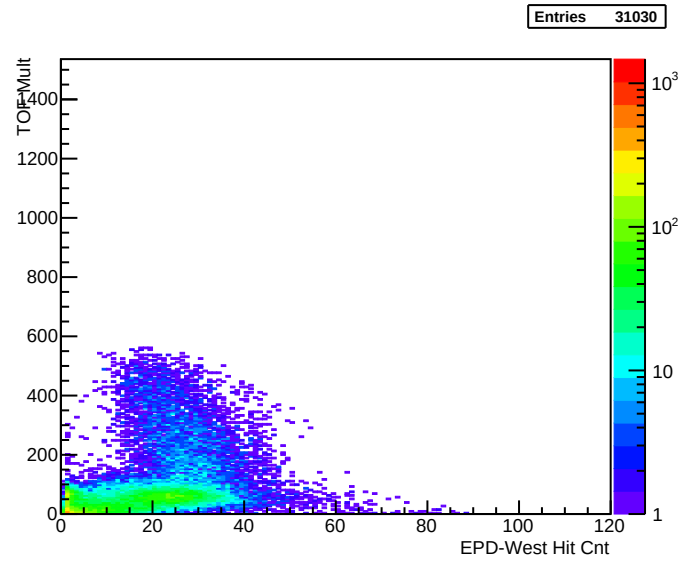

VT201 Input Ch4: VPD Adc Sum Th
Entries 62060
14618
17373
16412
13657
East
West

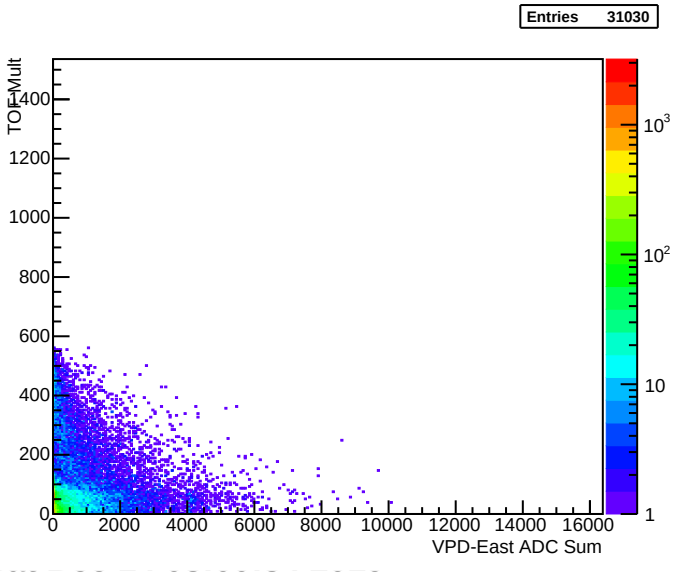

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 9213
269
4274
4670
East
West

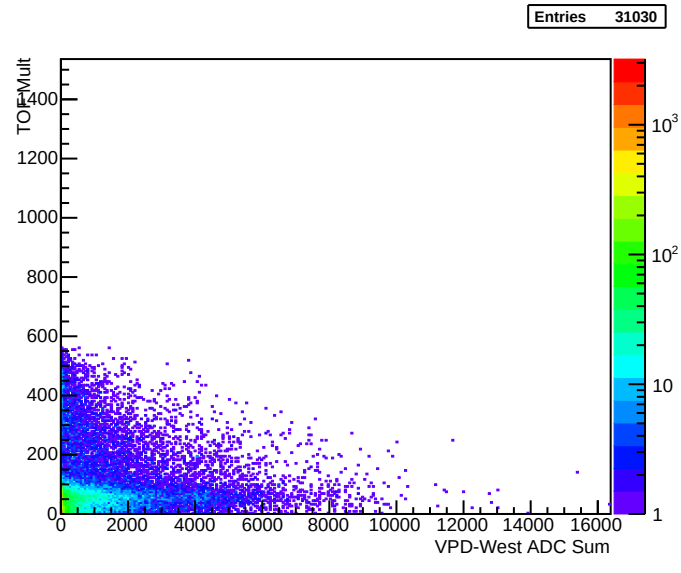

Entries 31030
TOF-Mult
BBC-S-East ADC Sum

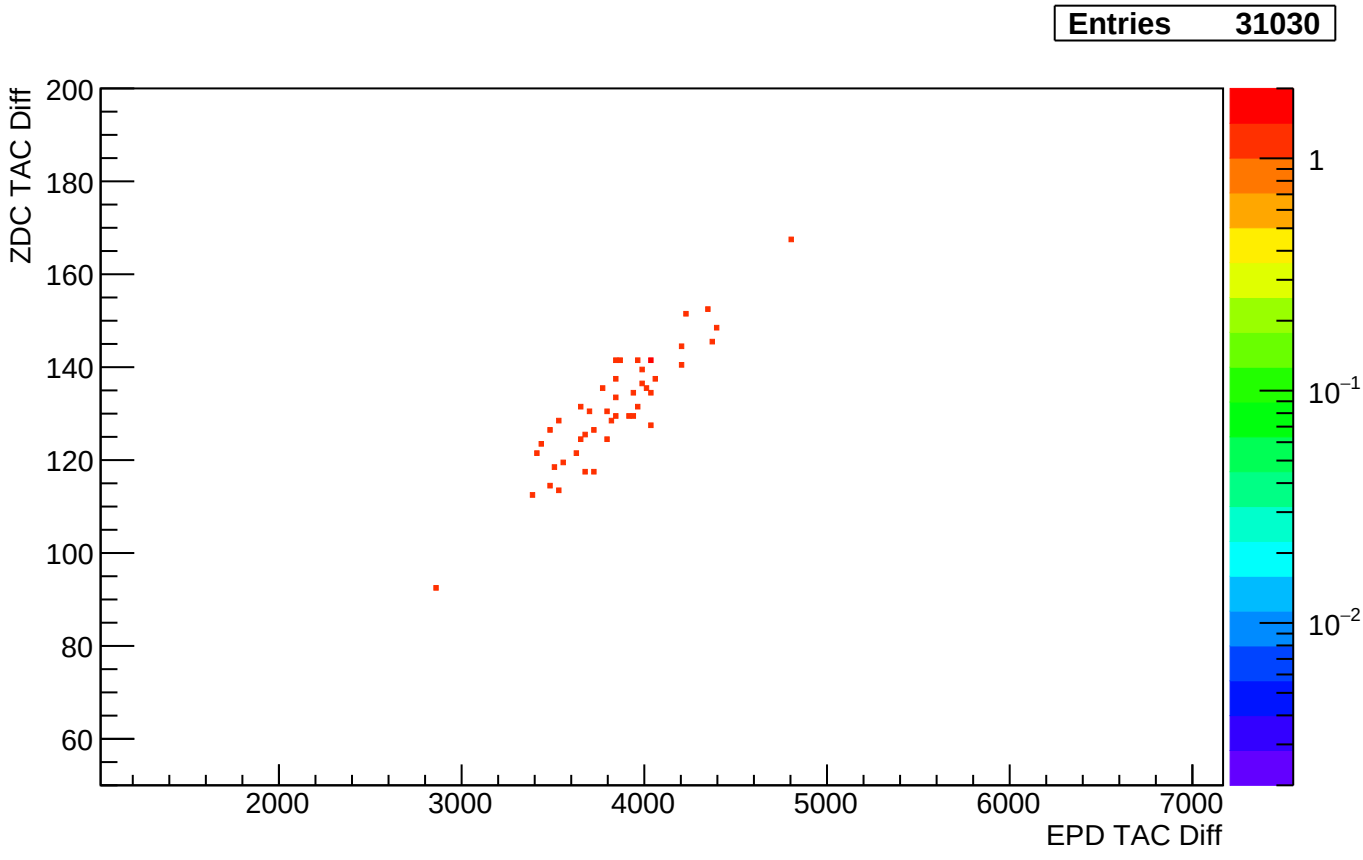

Entries 31030
TOF-Mult
BBC-S-West ADC Sum

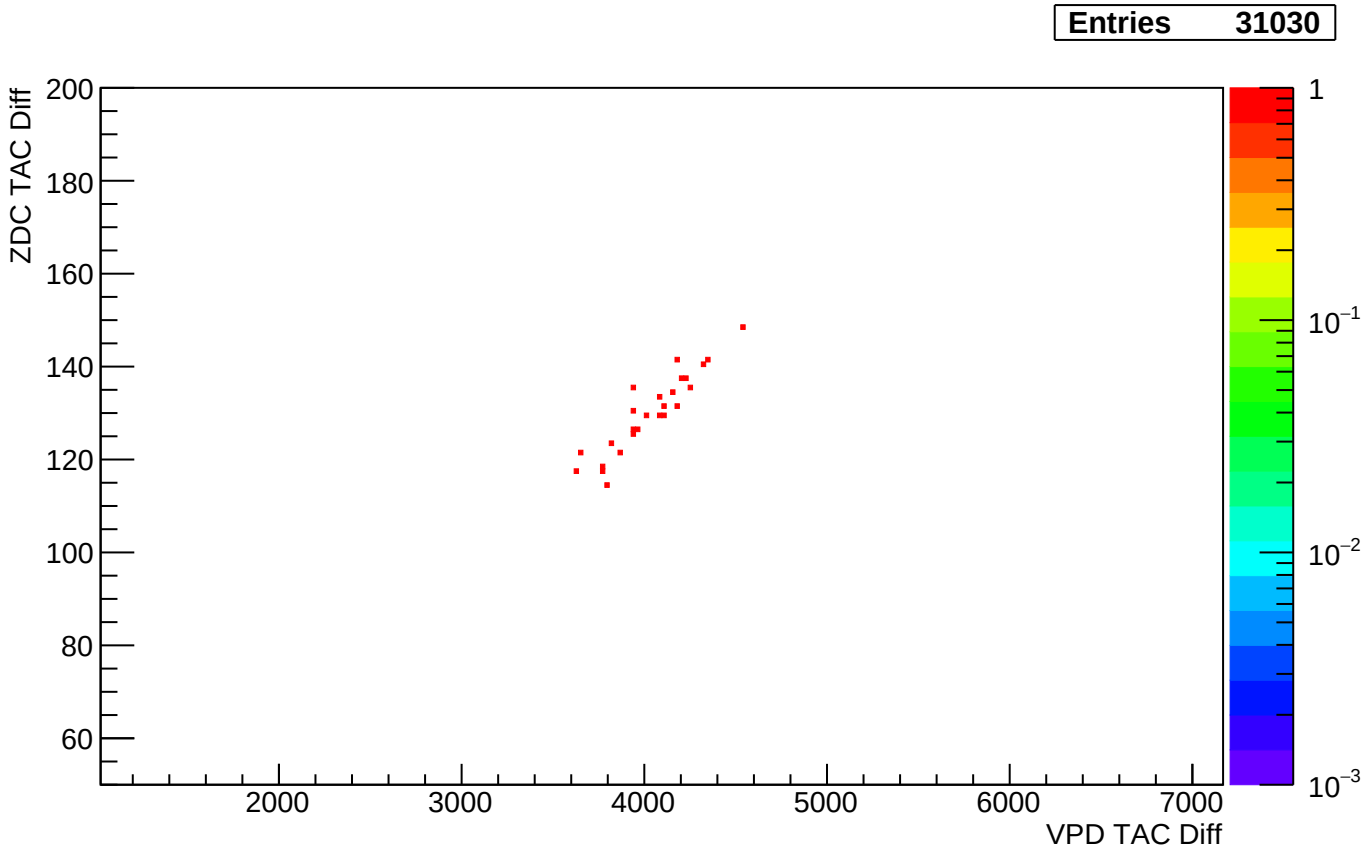

Entries 31030
TOF-Mult
EPD-East Hit Cnt

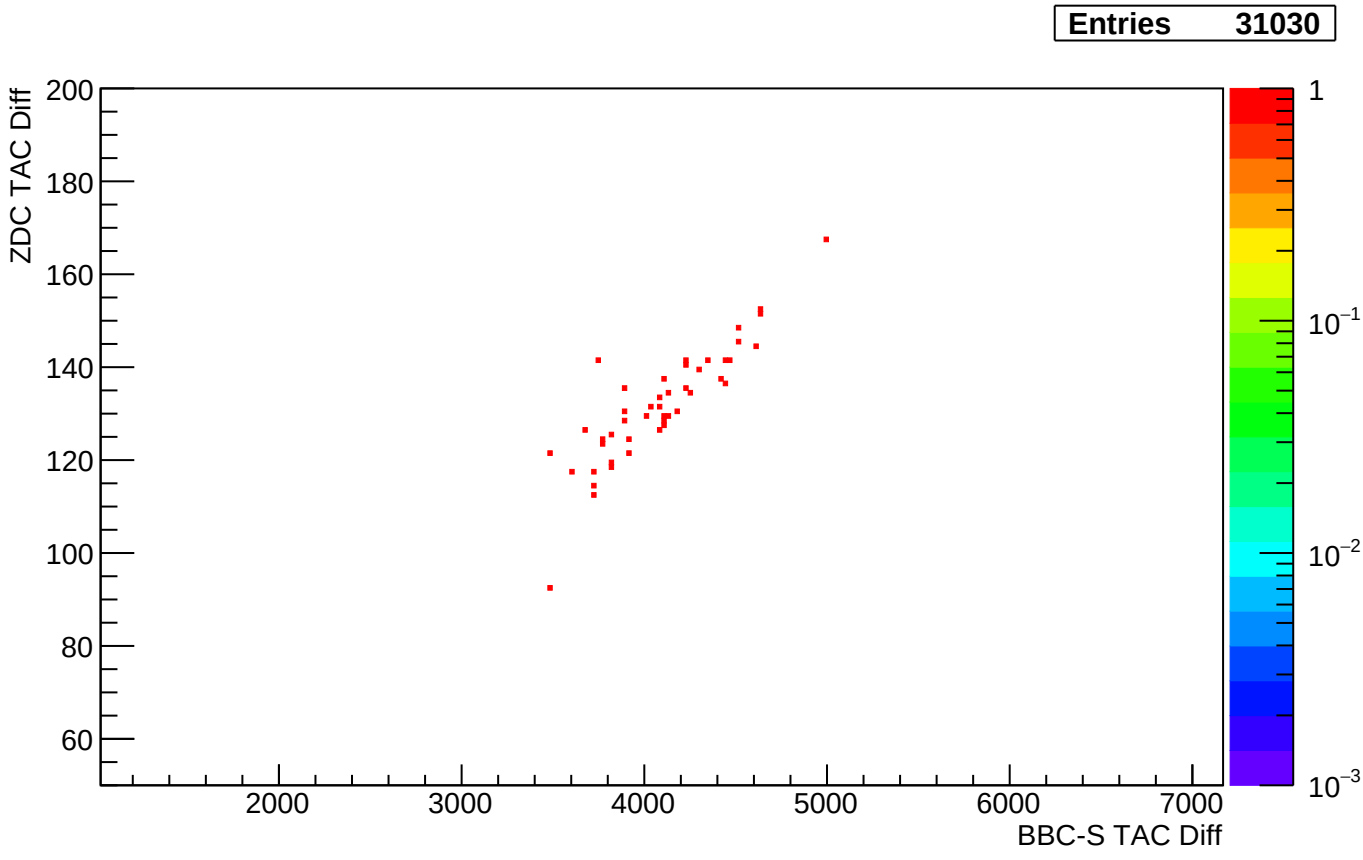

Entries 31030
TOF-Mult
EPD-West Hit Cnt

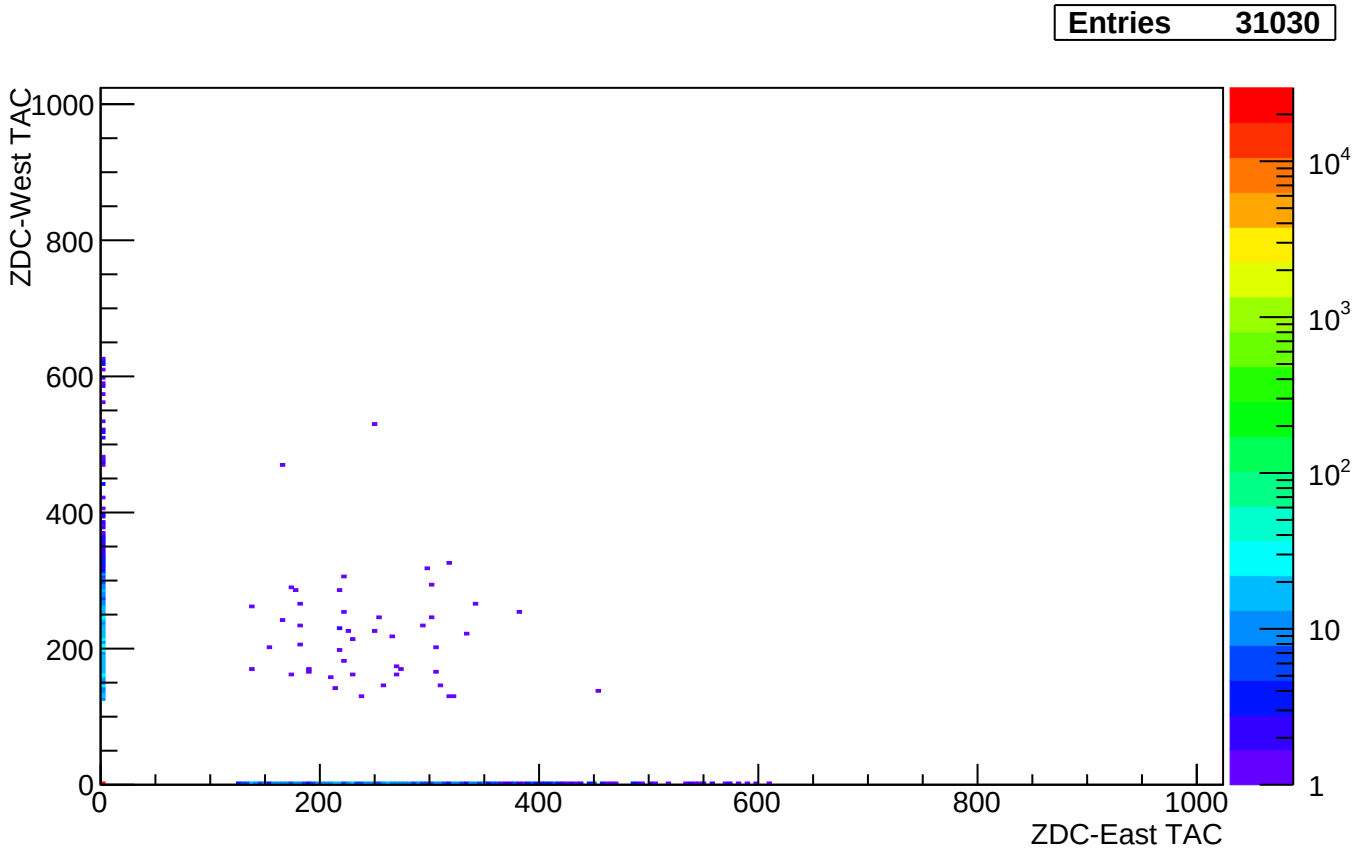

Entries 31030
TOF-Mult
VPD-East ADC Sum

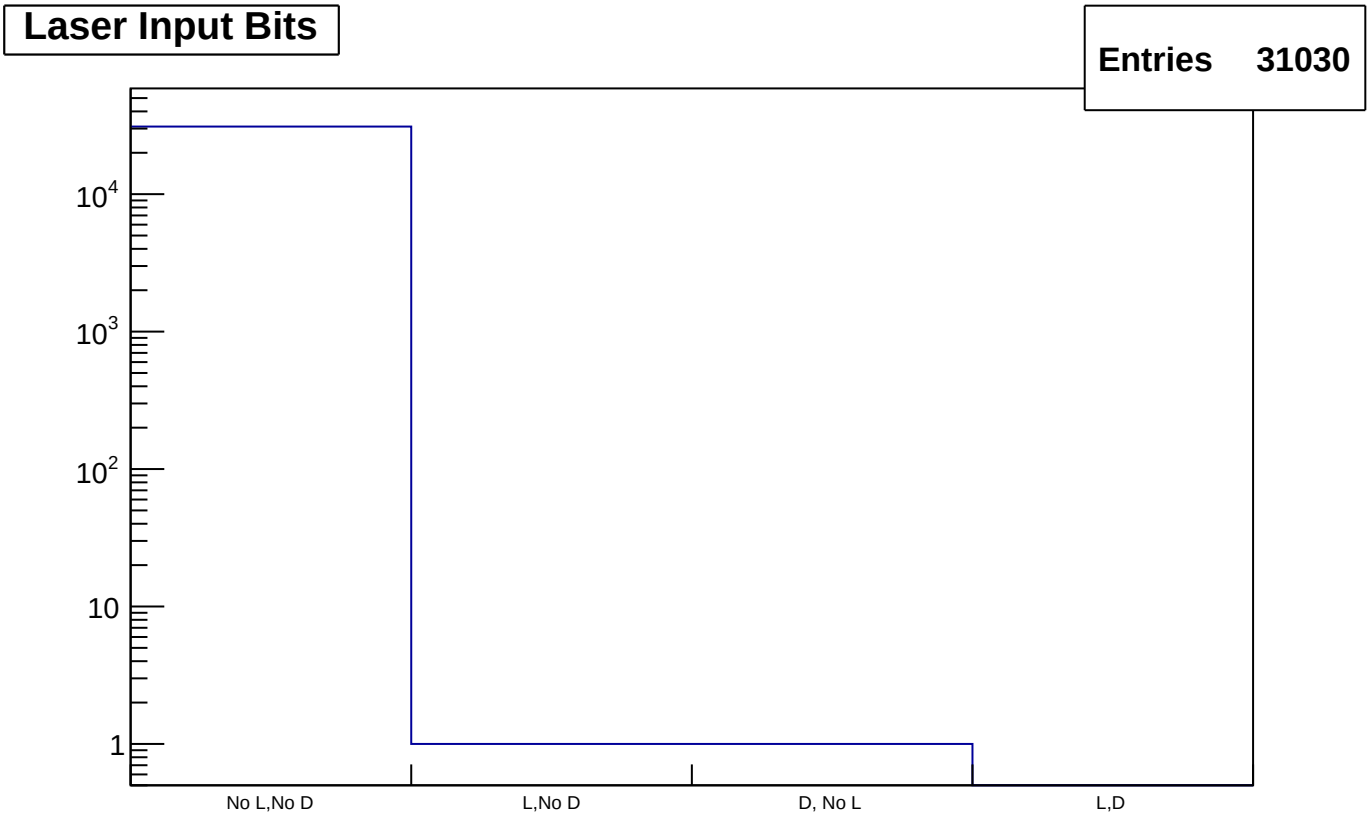

Entries 31030
TOF-Mult
VPD-West ADC Sum

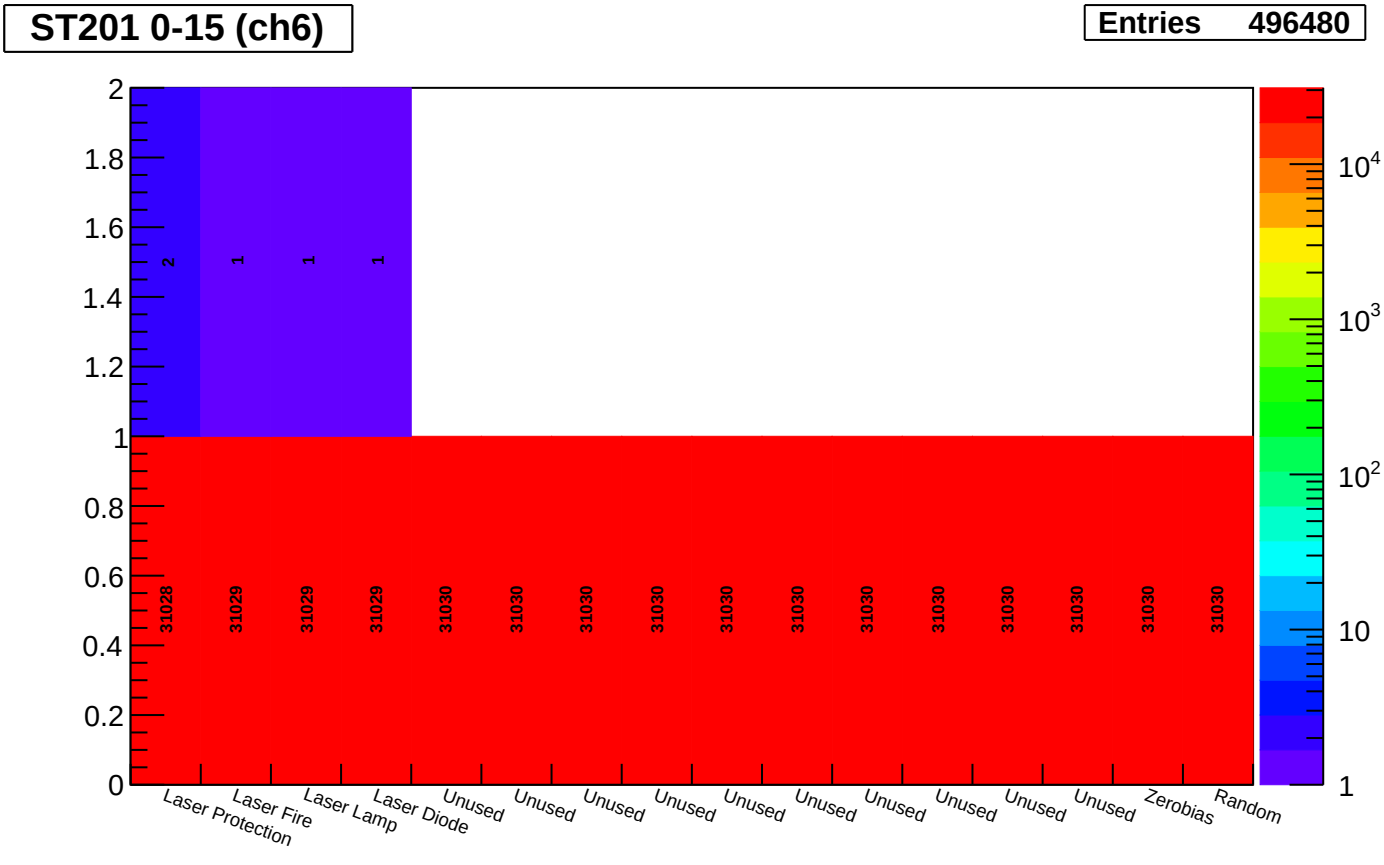

Entries 31030
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

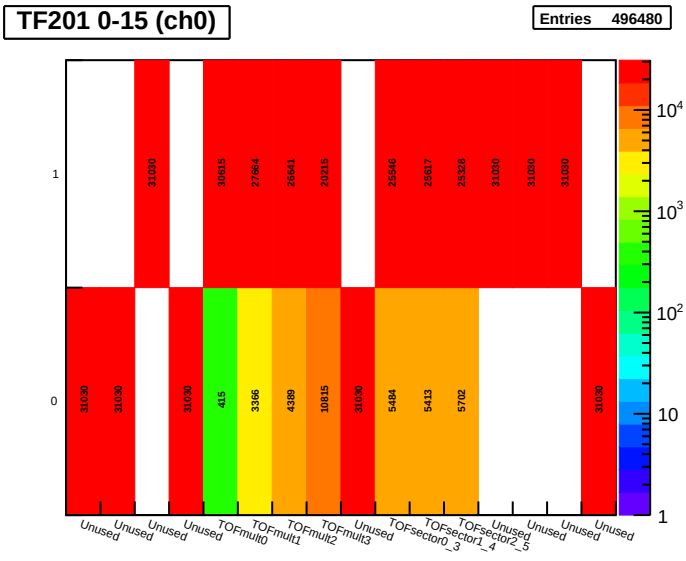

Entries 31030
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

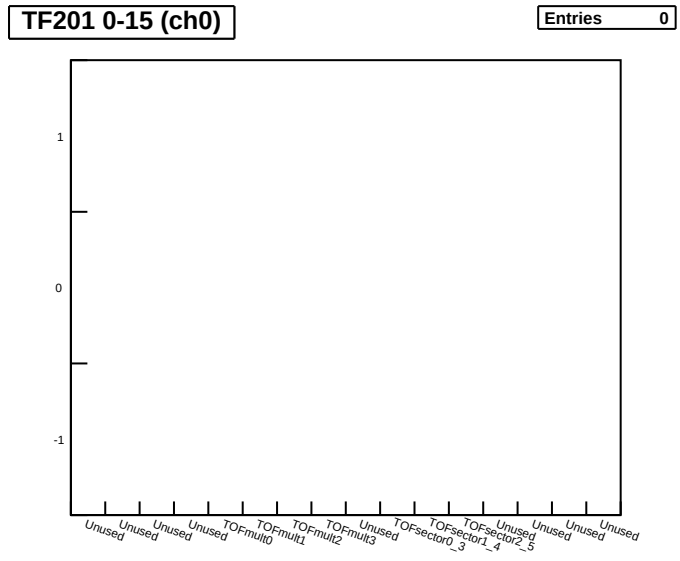

Entries 31030
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

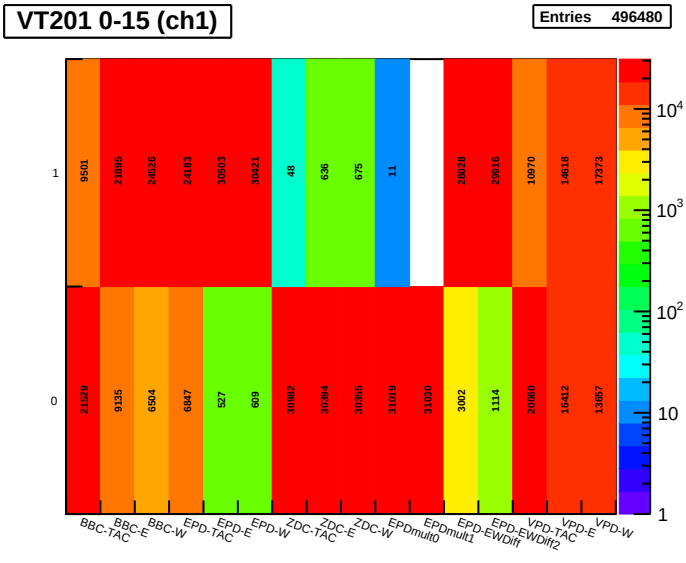

Entries 31030
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

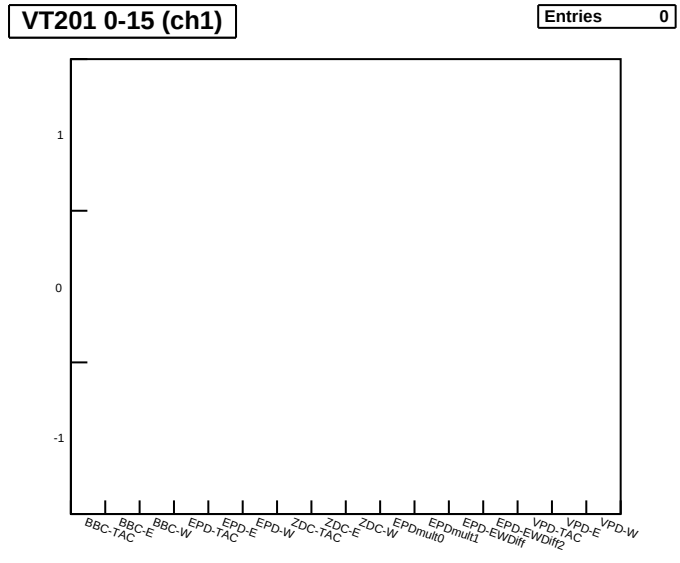

Laser Input Bits
Entries 31030
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

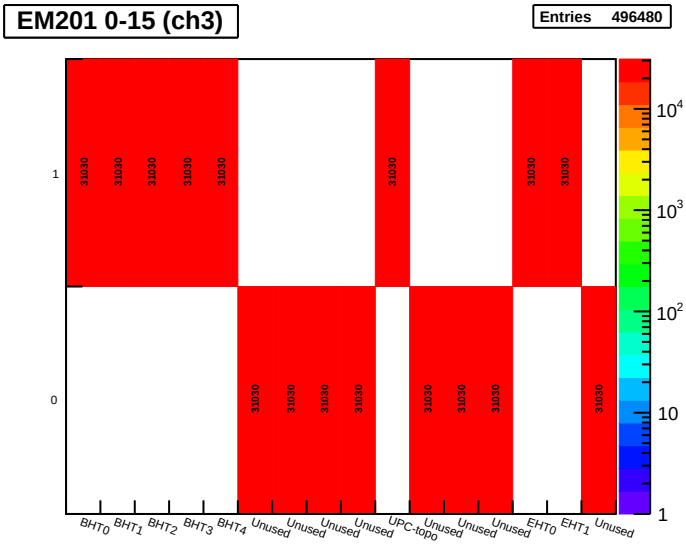

ST201 0-15 (ch6)
Entries 496480
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
2
1
1
1
31028
31029
31029
31029
31030
31030
31030
31030
31030
31030
31030
31030
31030
31030
31030
31030
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^4
10^3
10^2
10
1

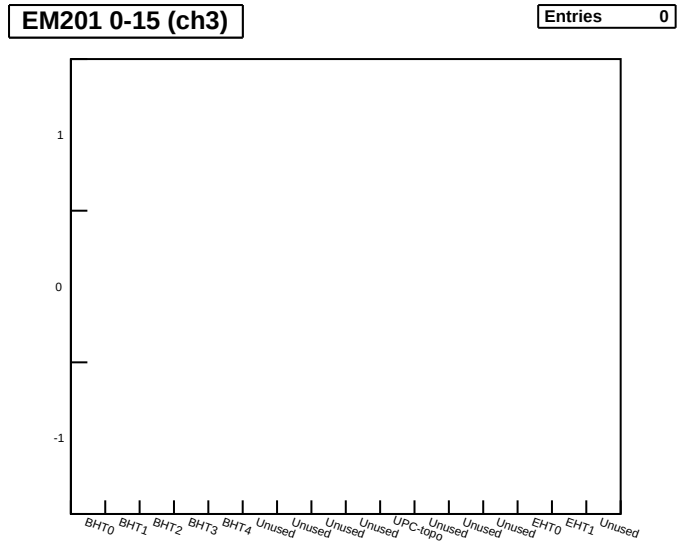

TF201 0-15 (ch0)
Entries 496480
1
0
31030 31030 31030 31030 30615 27664 26641 20215 25546 25617 25328 31030 31030 31030
31030 31030 31030 415 3366 4389 10815 31030 5484 5413 5702 31030
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 496480
1
0
9501 21895 24526 24183 30503 30421 48 636 675 11 28028 29916 10970 14618 17373
21529 9135 6504 6847 527 609 30802 30394 30355 31019 31030 3002 1114 20060 16412 13657
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 496480
1
0
31030 31030 31030 31030 31030 31030 31030 31030 31030
31030 31030 31030 31030 31030 31030 31030 31030
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