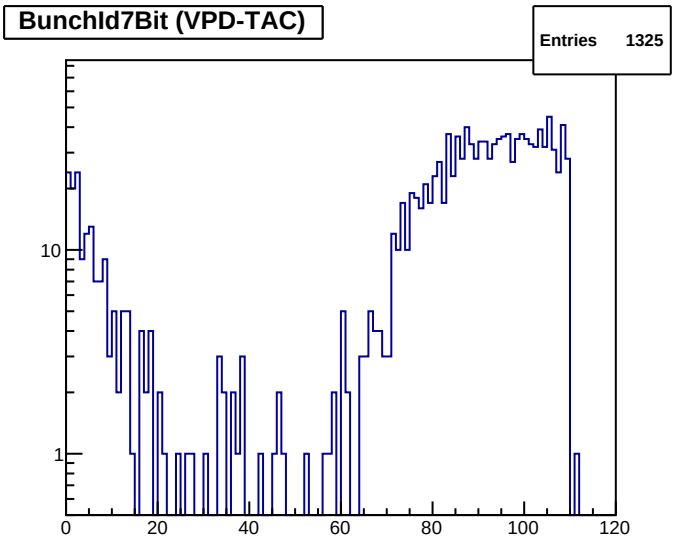
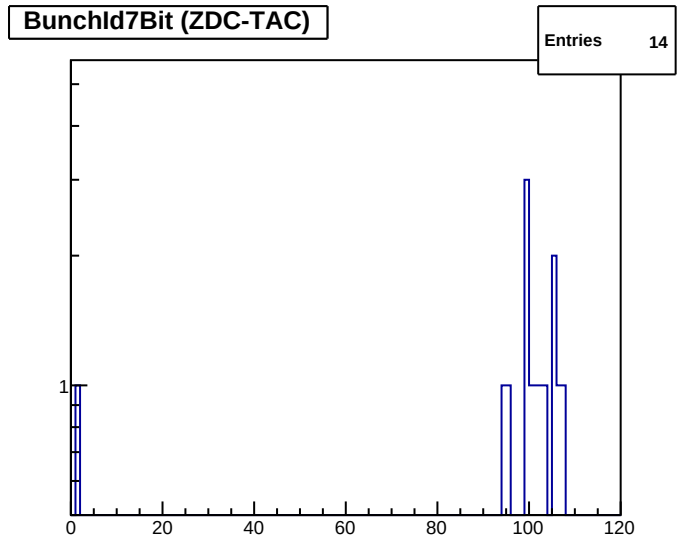
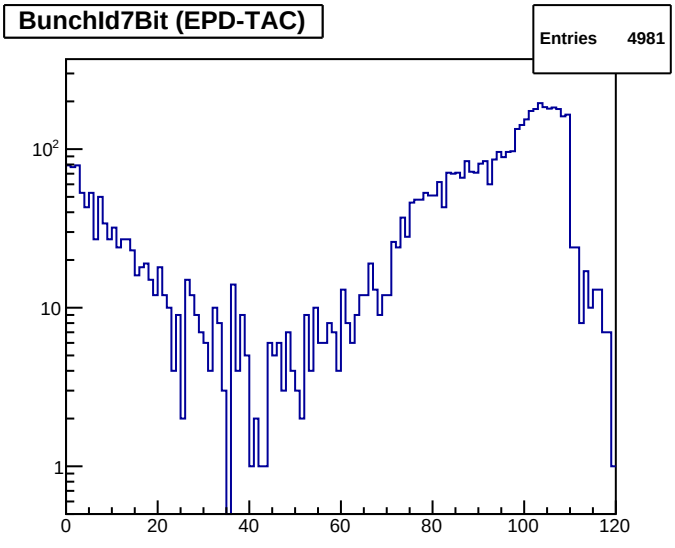
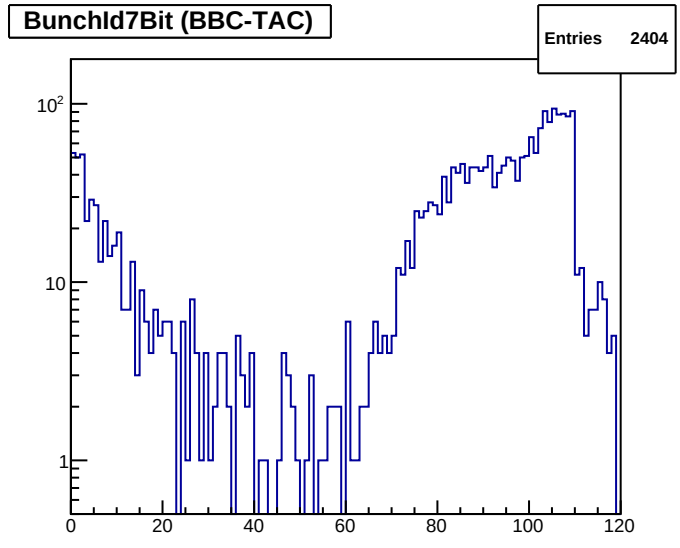
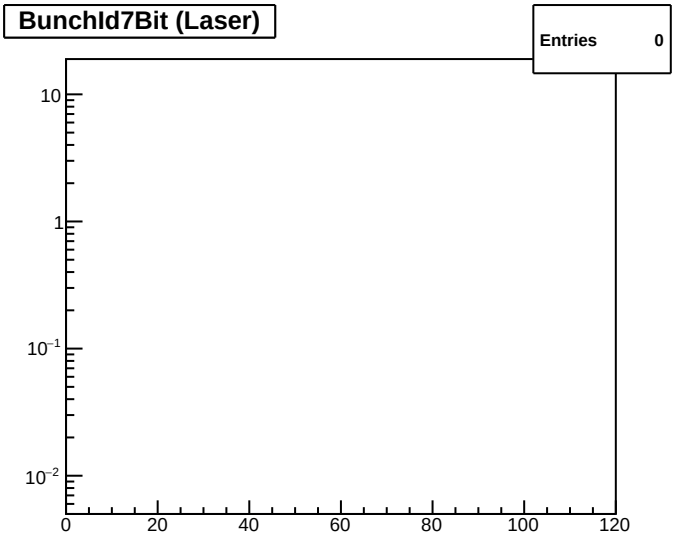
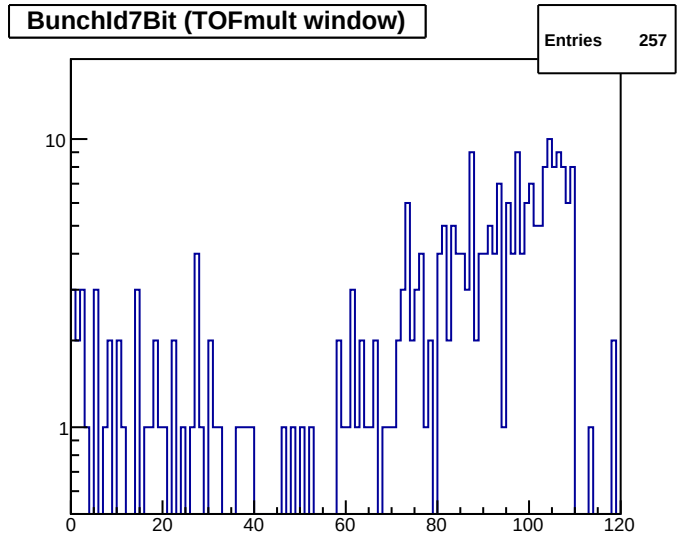

BunchId7Bit (VPD-TAC)
Entries 1325
10
1
0
20
40
60
80
100
120

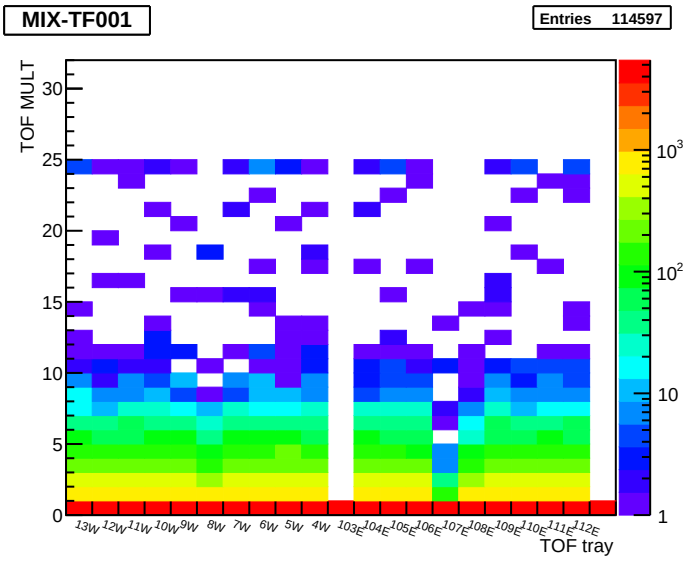

BunchId7Bit (ZDC-TAC)
Entries 14
1
0
20
40
60
80
100
120

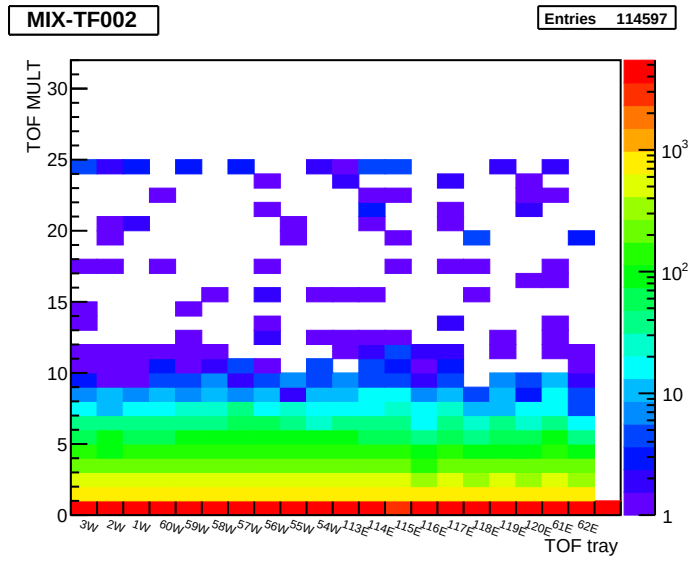

BunchId7Bit (EPD-TAC)
Entries 4981
10^2
10
1
0
20
40
60
80
100
120

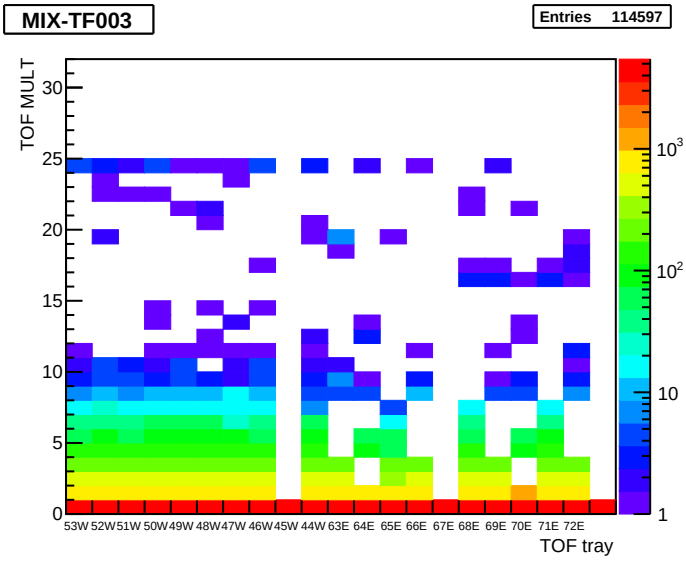

BunchId7Bit (BBC-TAC)
Entries 2404
10^2
10
1
0
20
40
60
80
100
120

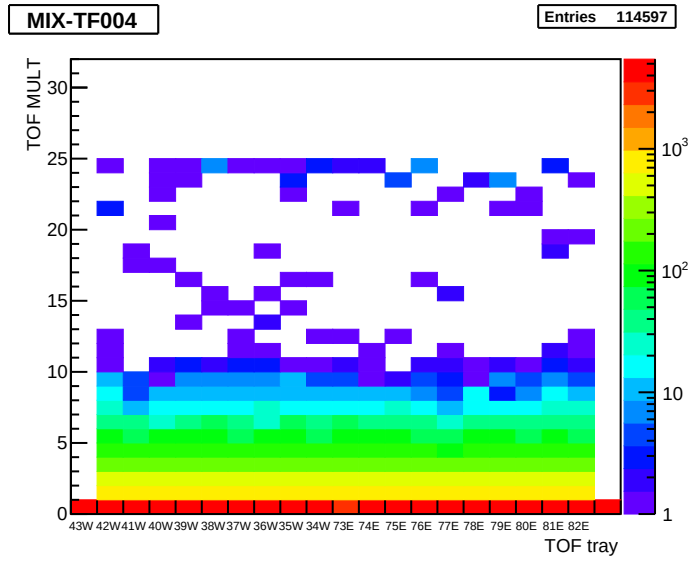

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

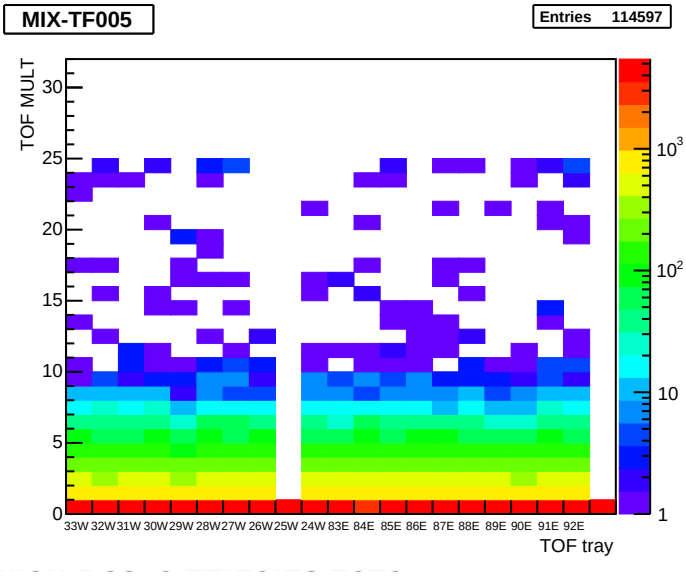

BunchId7Bit (TOFmult window)
Entries 257
10
1
0
20
40
60
80
100
120

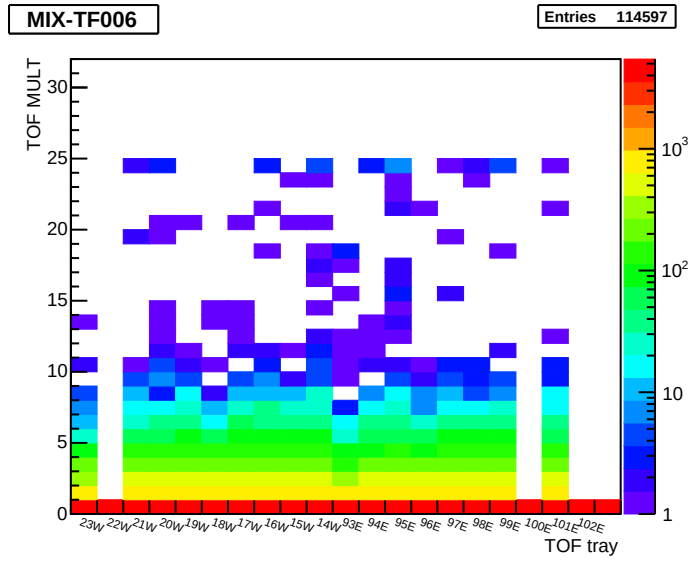

MIX-TF001
Entries 114597
TOF MULT
TOF tray

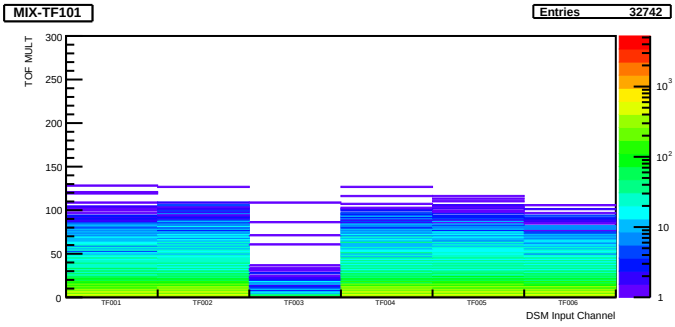

MIX-TF002
Entries 114597
TOF MULT
TOF tray

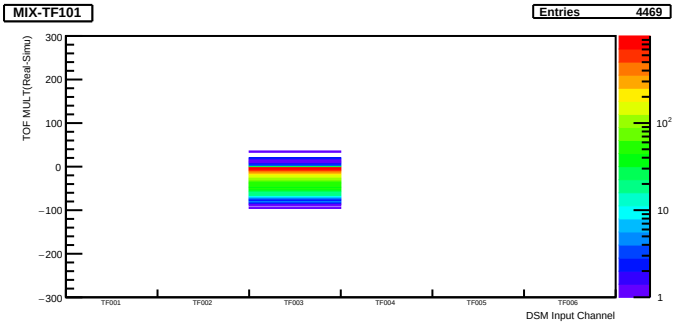

MIX-TF003
Entries 114597
TOF MULT
TOF tray

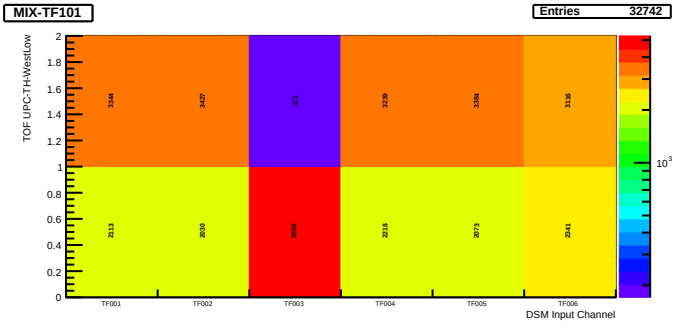

MIX-TF004
Entries 114597
TOF MULT
TOF tray

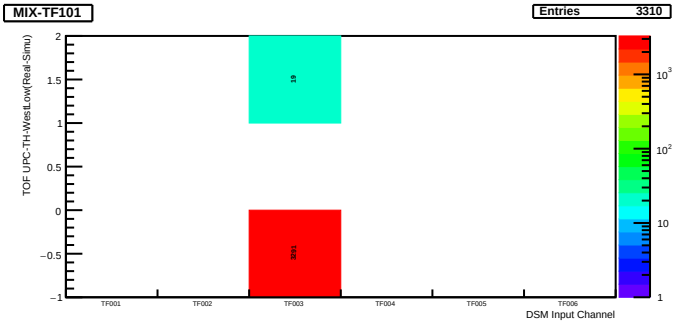

MIX-TF005
Entries 114597
TOF MULT
TOF tray

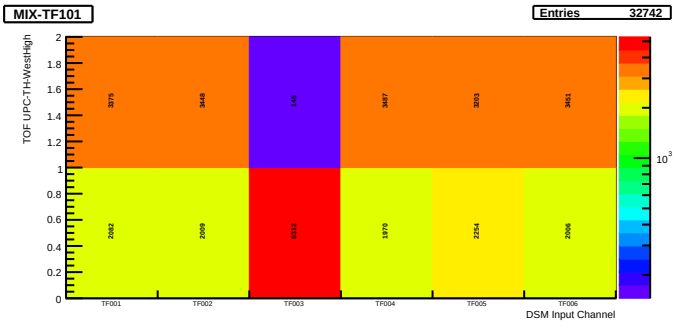

MIX-TF006
Entries 114597
TOF MULT
TOF tray

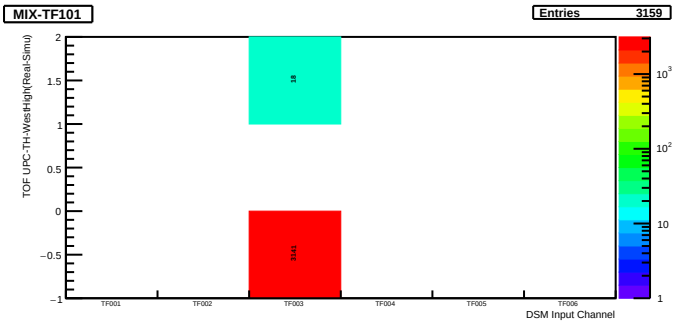

MIX-TF101
Entries 32742
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

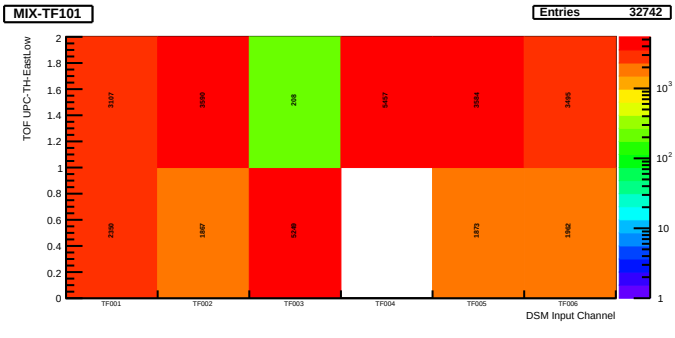

MIX-TF101
Entries 4469
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

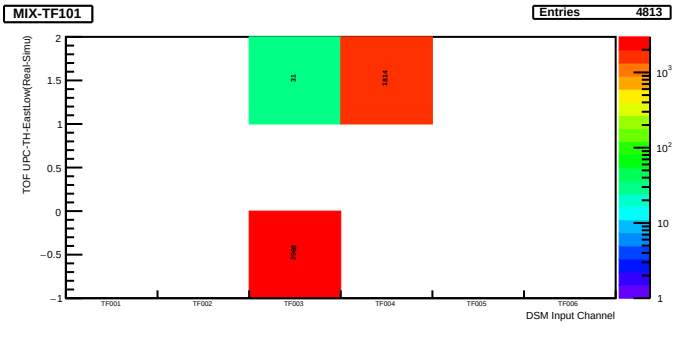

MIX-TF101
Entries 32742
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

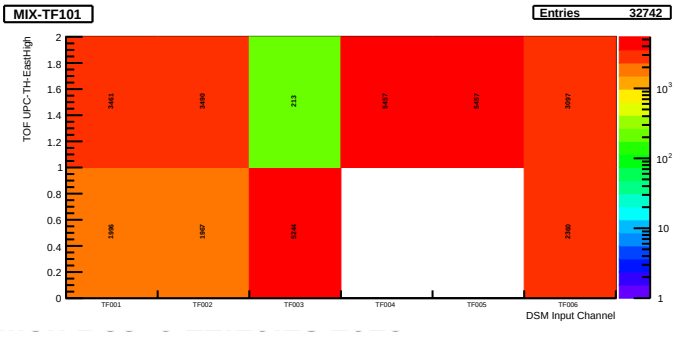

MIX-TF101
Entries 3310
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

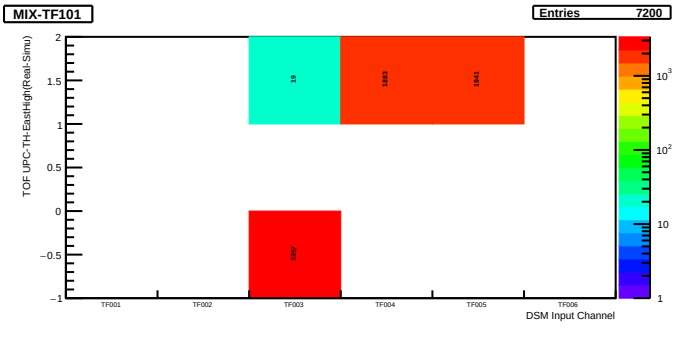

MIX-TF101
Entries 32742
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

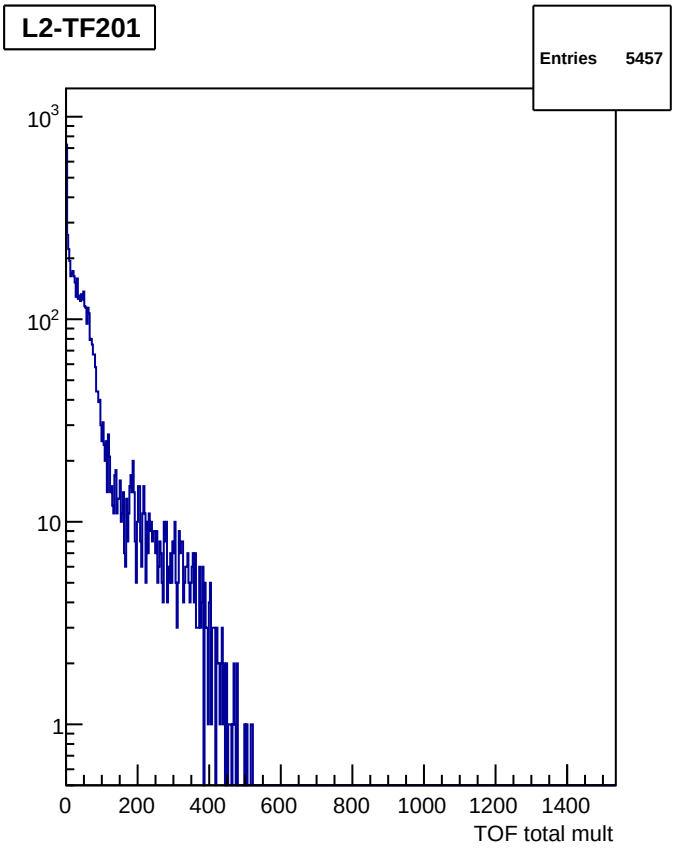

MIX-TF101
Entries 3159
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

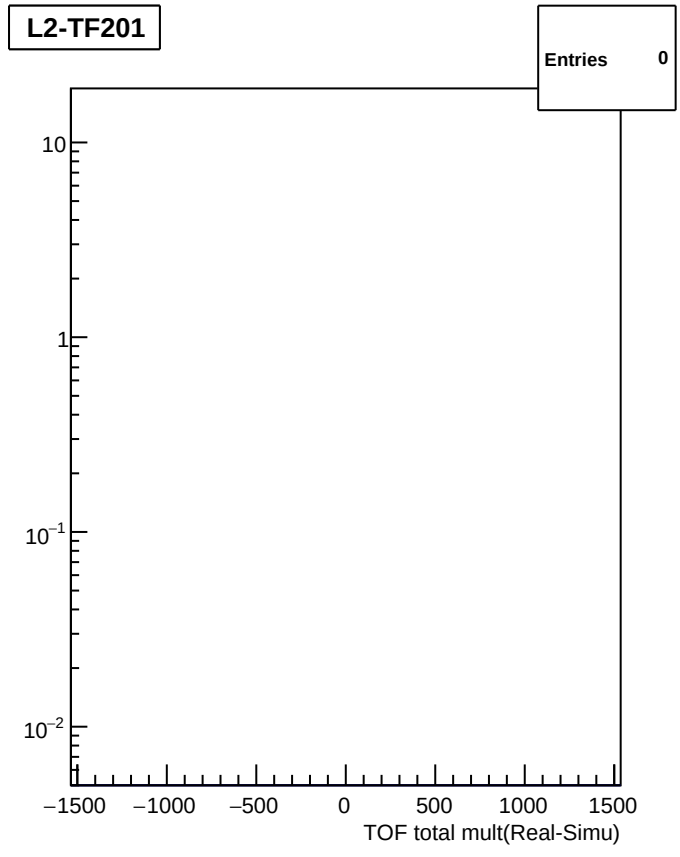

MIX-TF101
Entries 32742
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

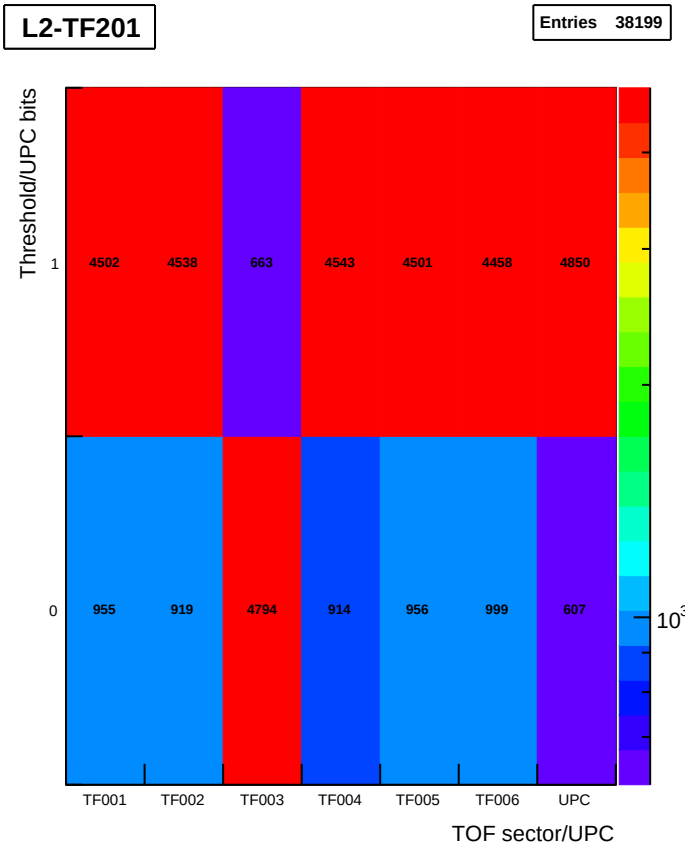

MIX-TF101
Entries 4813
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

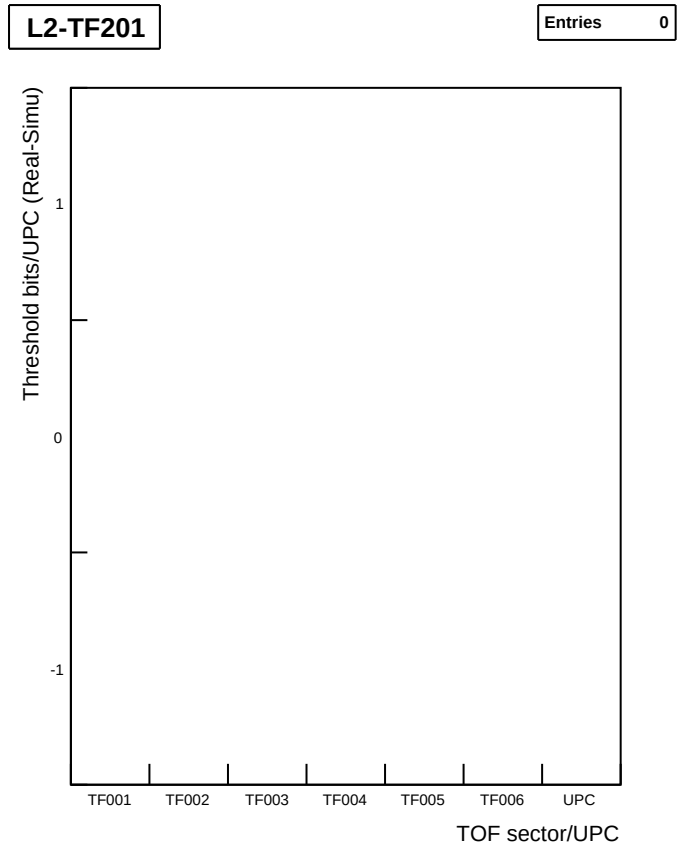

MIX-TF101
Entries 32742
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

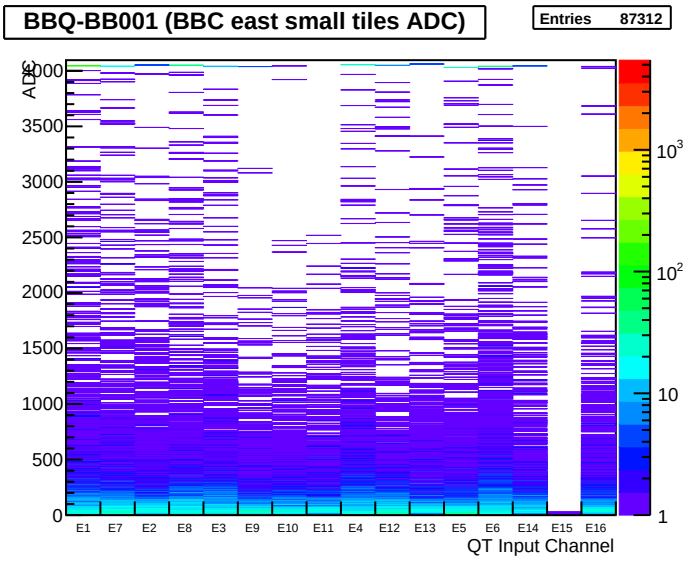

MIX-TF101
Entries 7200
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

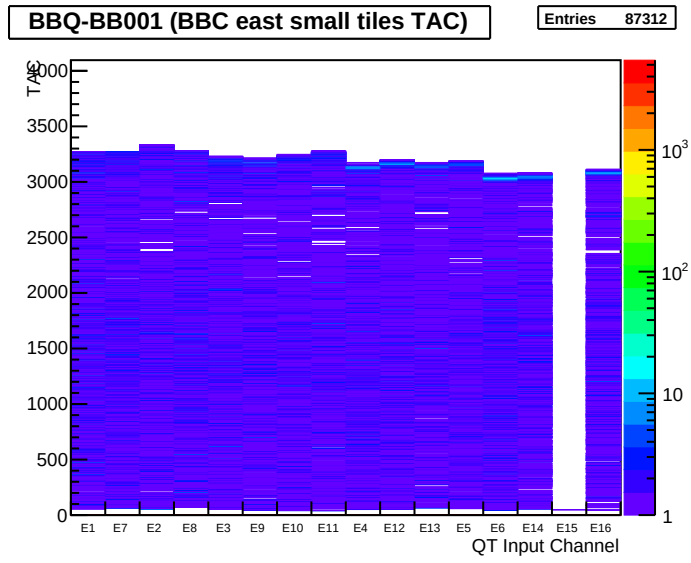

L2-TF201
Entries 5457
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

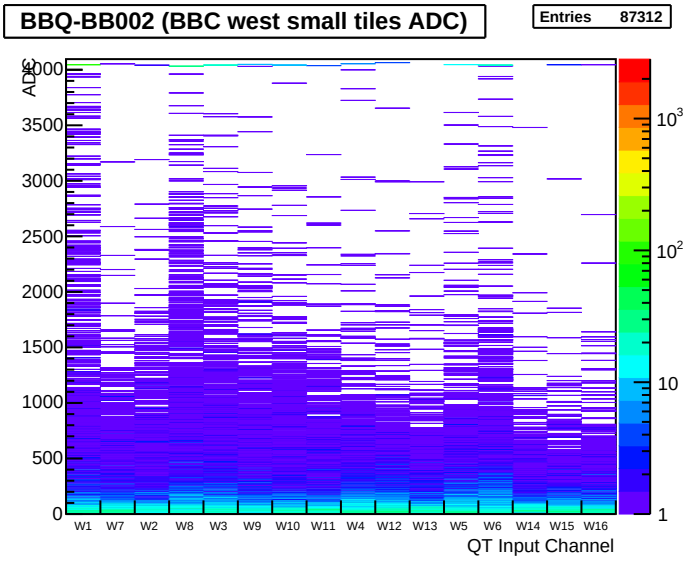

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

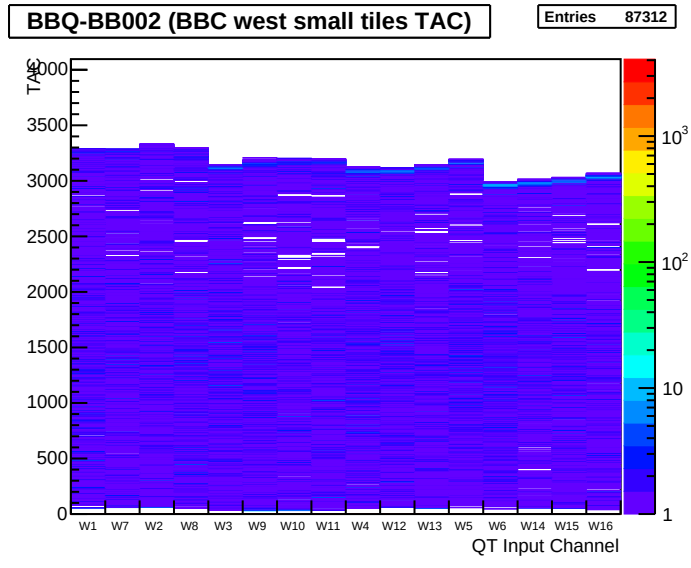

L2-TF201
Entries 38199
Threshold/UPC bits
1
0
4502
4538
663
4543
4501
4458
4850
955
919
4794
914
956
999
607
10^3
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

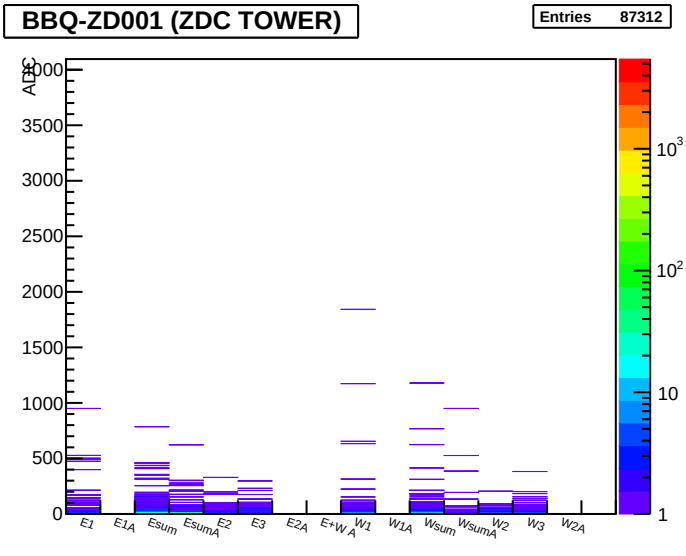

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

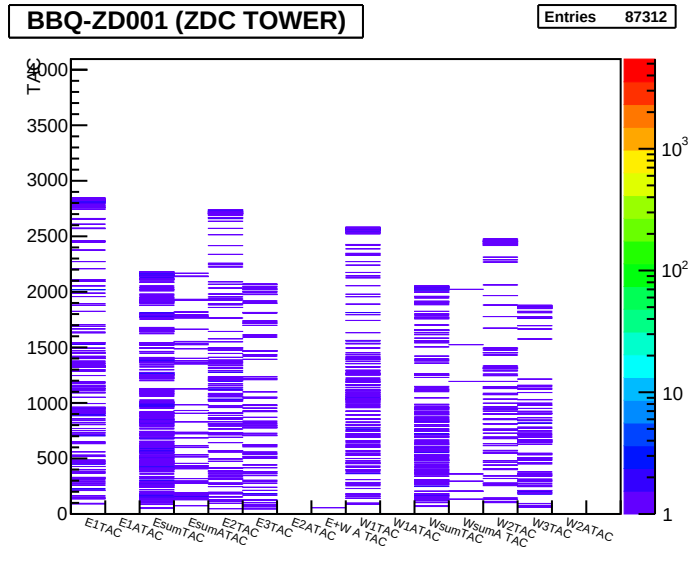

BBQ-BB001 (BBC east small tiles ADC)
Entries 87312
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

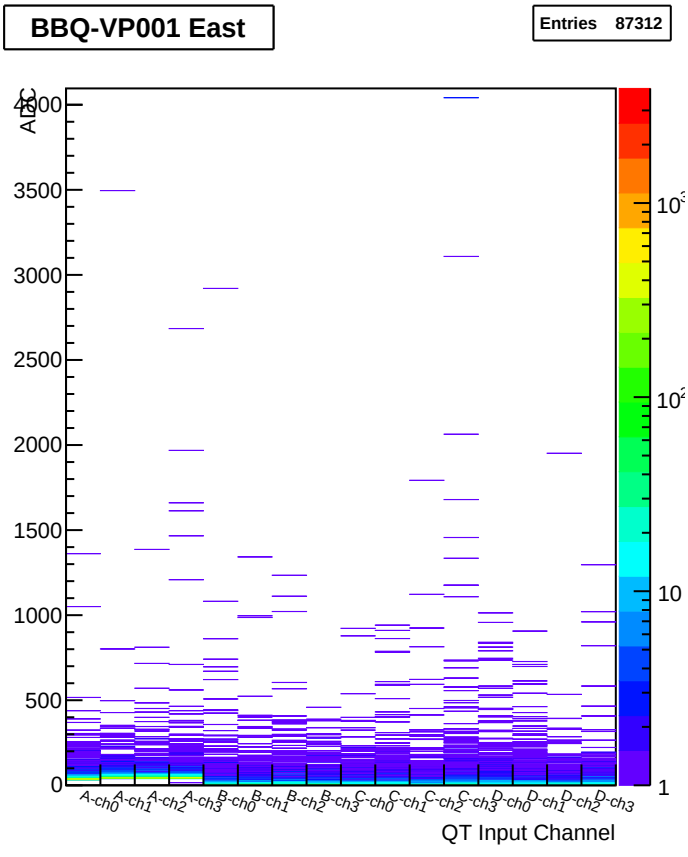

BBQ-BB001 (BBC east small tiles TAC)
Entries 87312
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

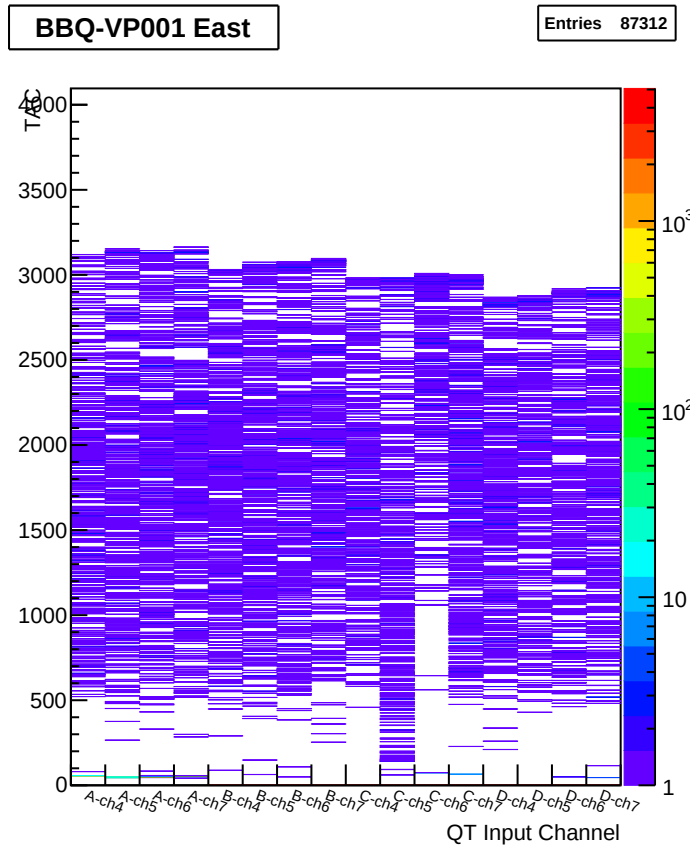

BBQ-BB002 (BBC west small tiles ADC)
Entries 87312
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

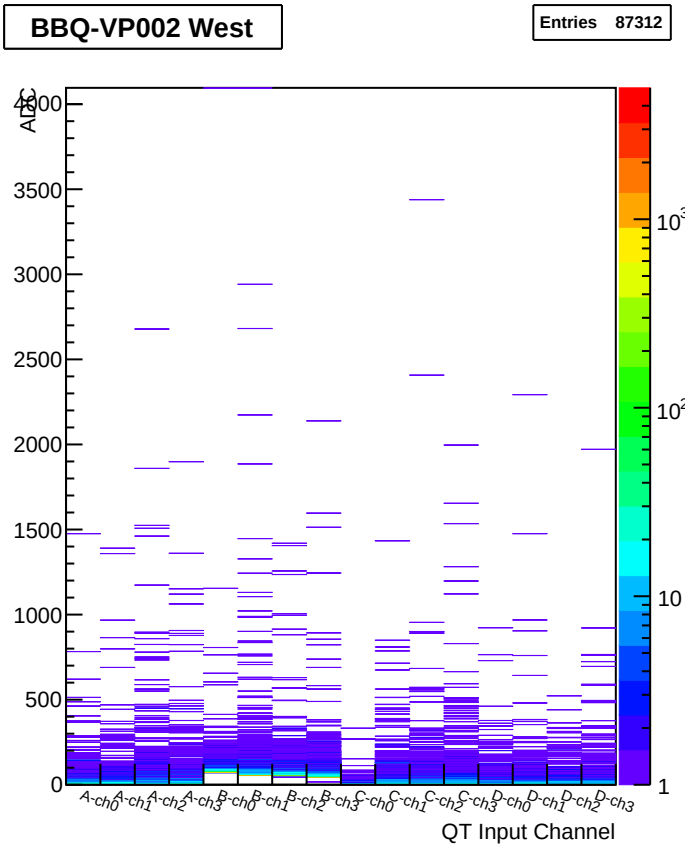

BBQ-BB002 (BBC west small tiles TAC)
Entries 87312
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

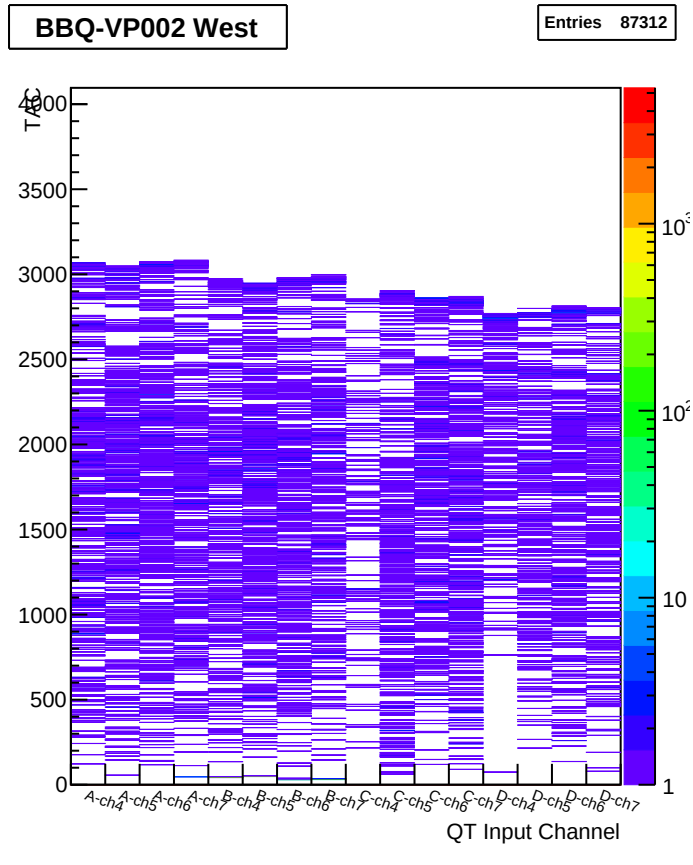

BBQ-ZD001 (ZDC TOWER)
Entries 87312
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

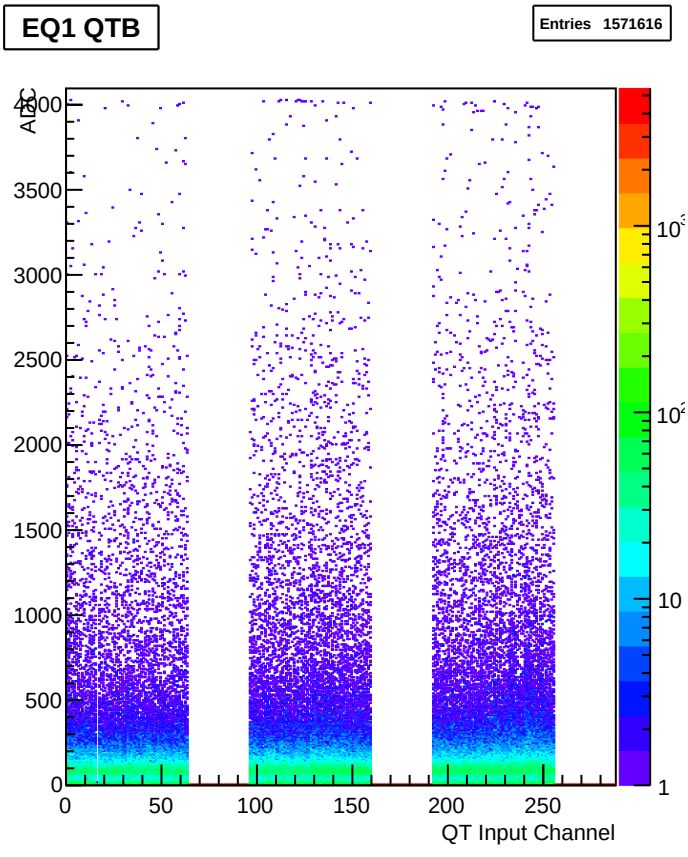

BBQ-ZD001 (ZDC TOWER)
Entries 87312
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

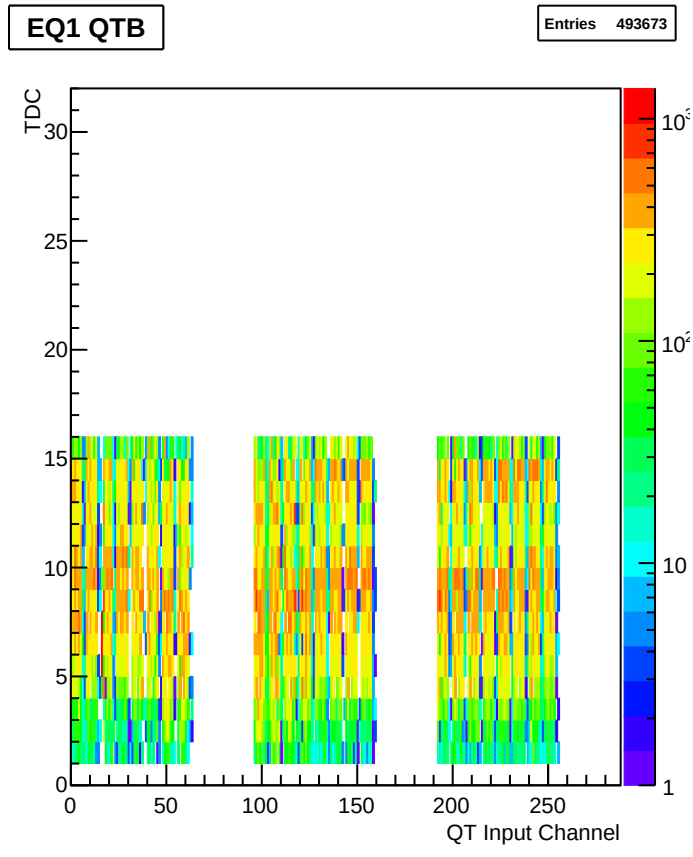

BBQ-VP001 East
Entries 87312
ADC
QT Input Channel

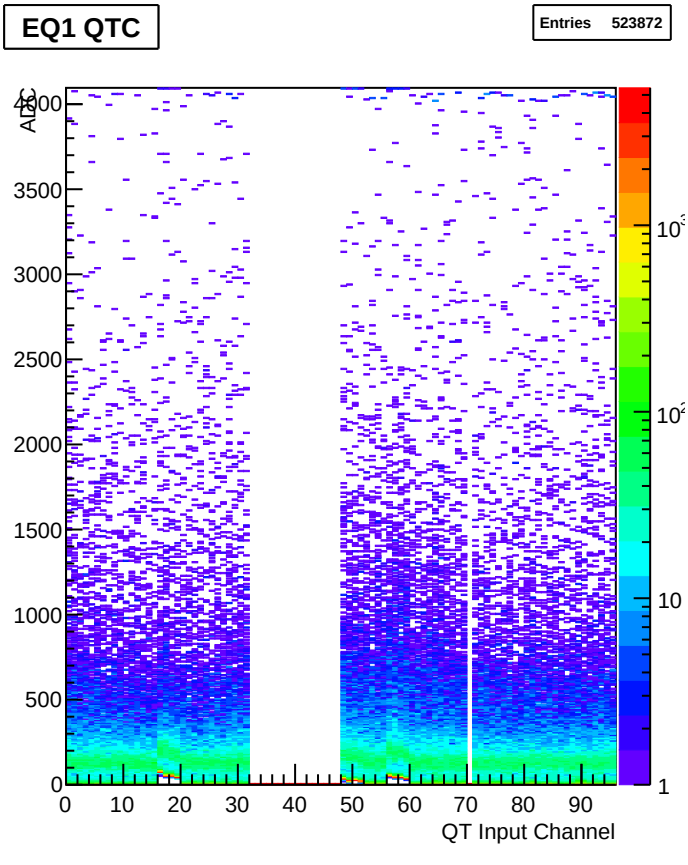

BBQ-VP001 East
Entries 87312
TADC
QT Input Channel

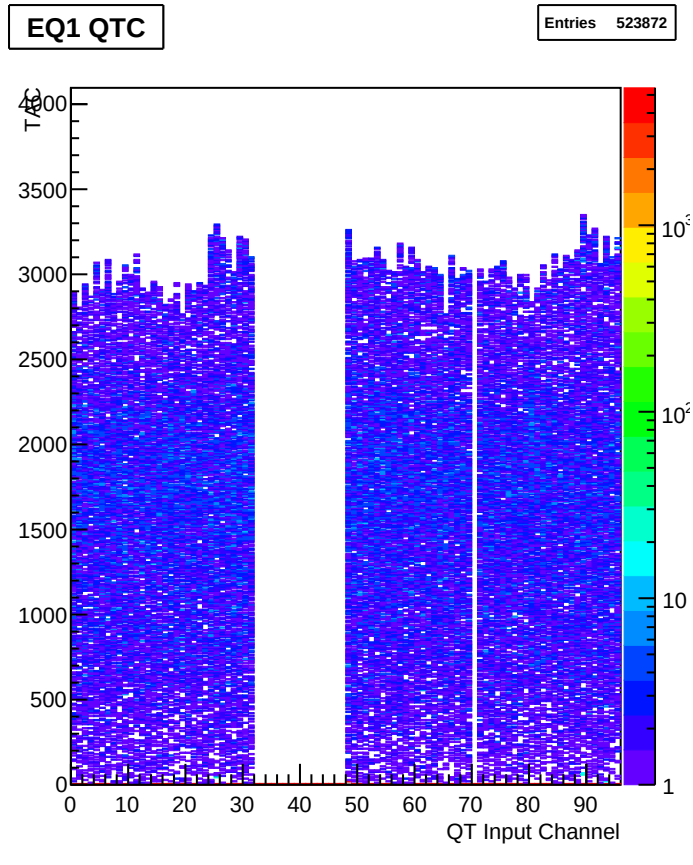

BBQ-VP002 West
Entries 87312
ADC
QT Input Channel

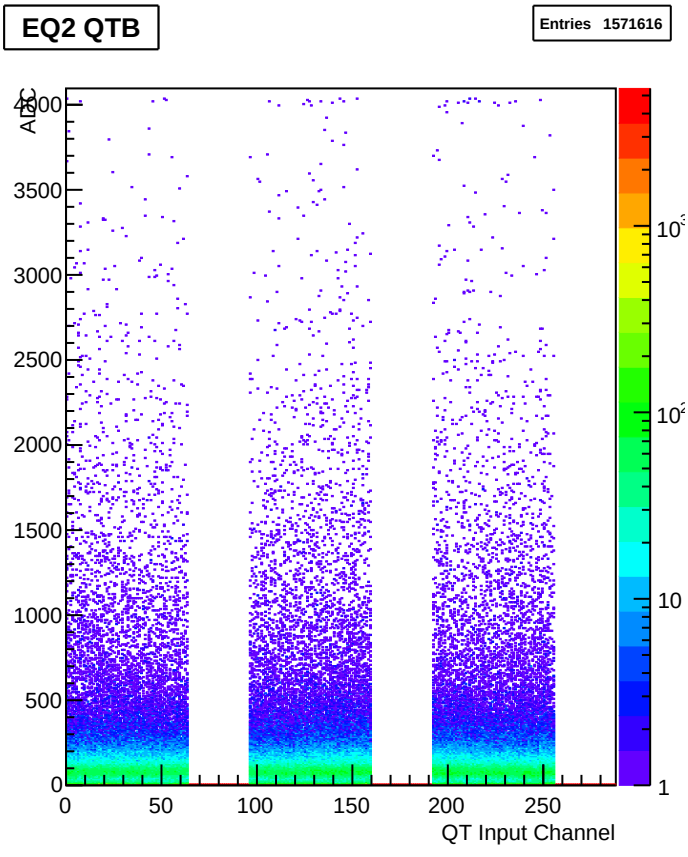

BBQ-VP002 West
Entries 87312
TADC
QT Input Channel

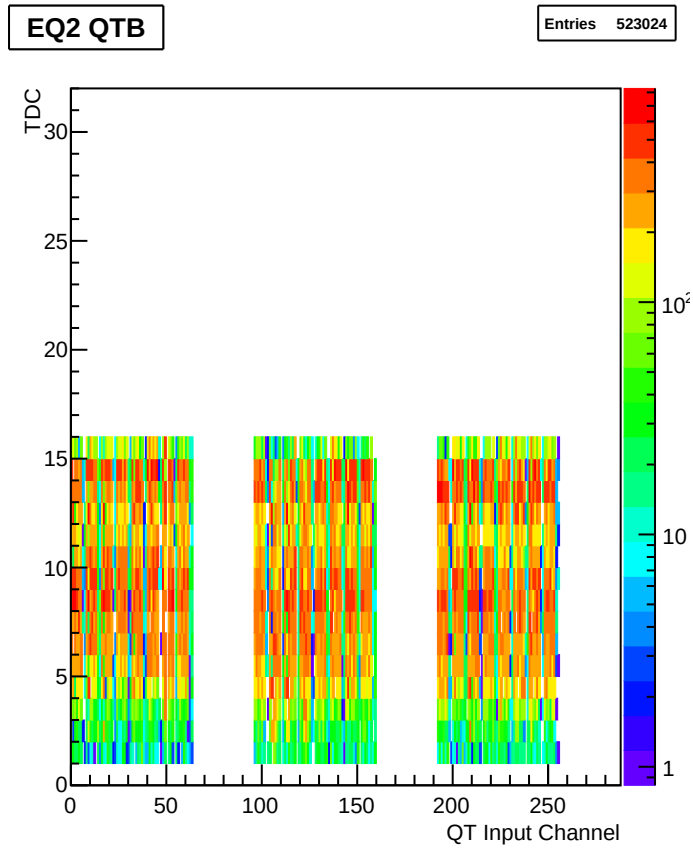

EQ1 QTB
Entries 1571616
ADC
QT Input Channel

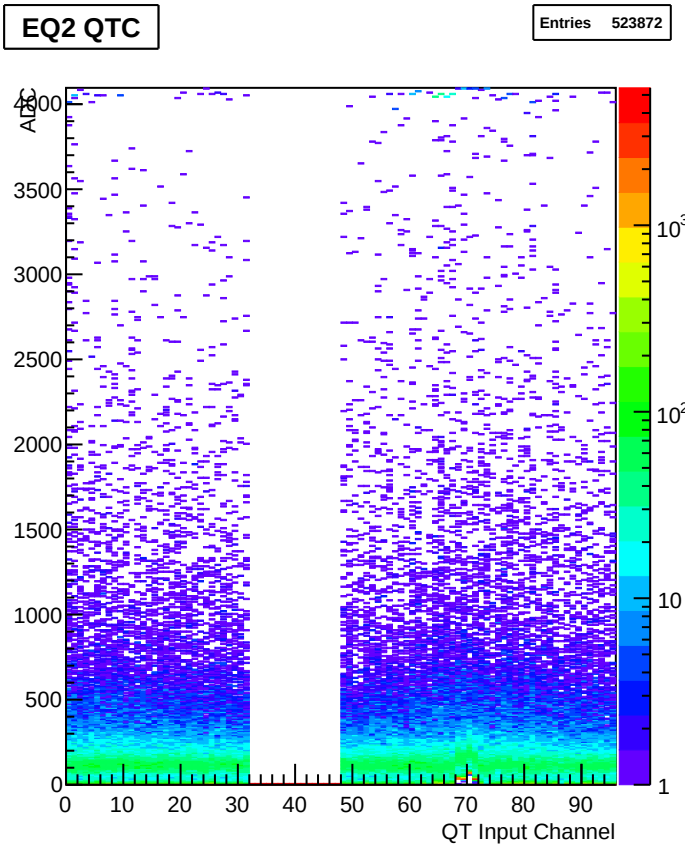

EQ1 QTB
Entries 493673
TDC
QT Input Channel

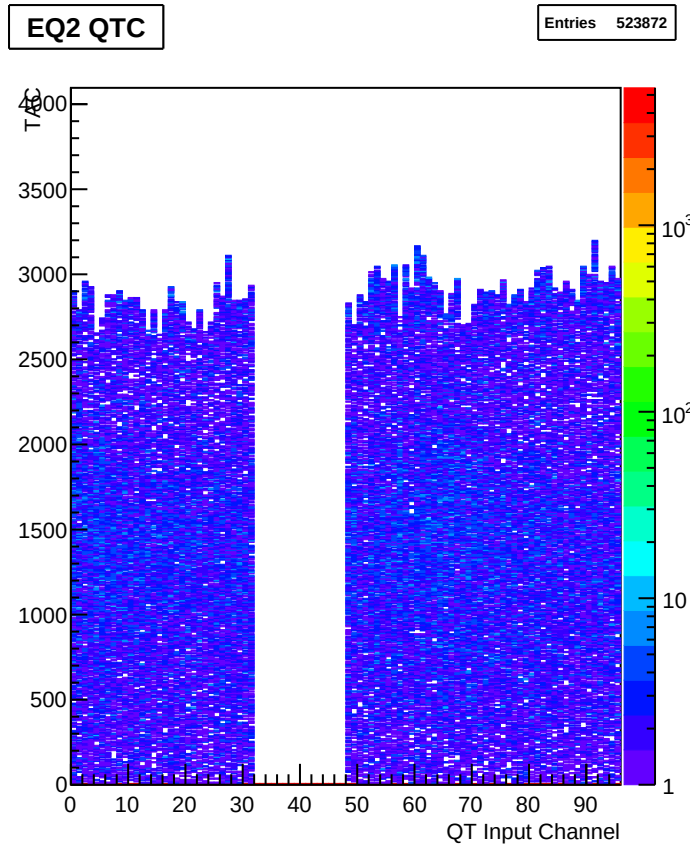

EQ1 QTC
Entries 523872
ADC
QT Input Channel

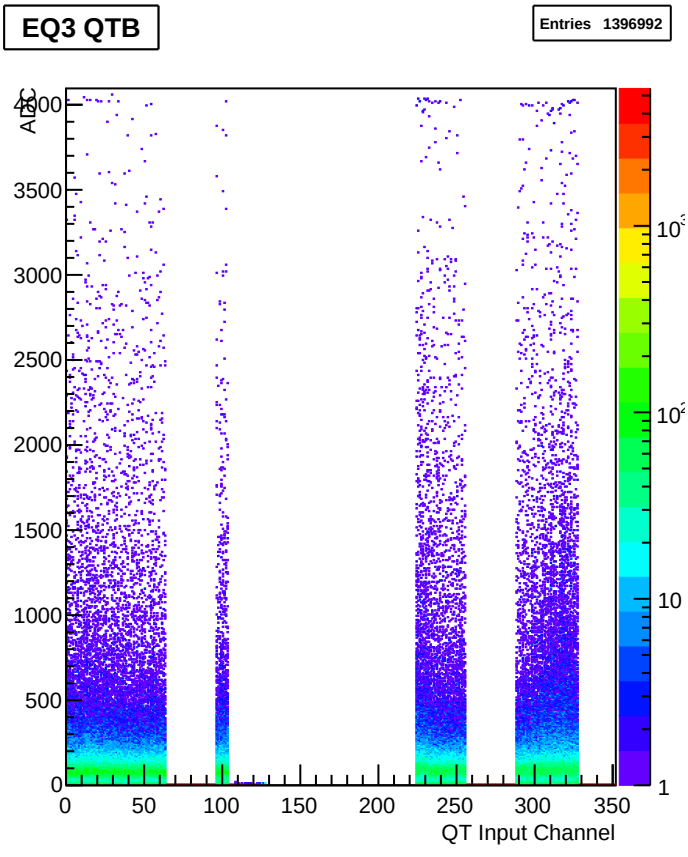

EQ1 QTC
Entries 523872
TADC
QT Input Channel

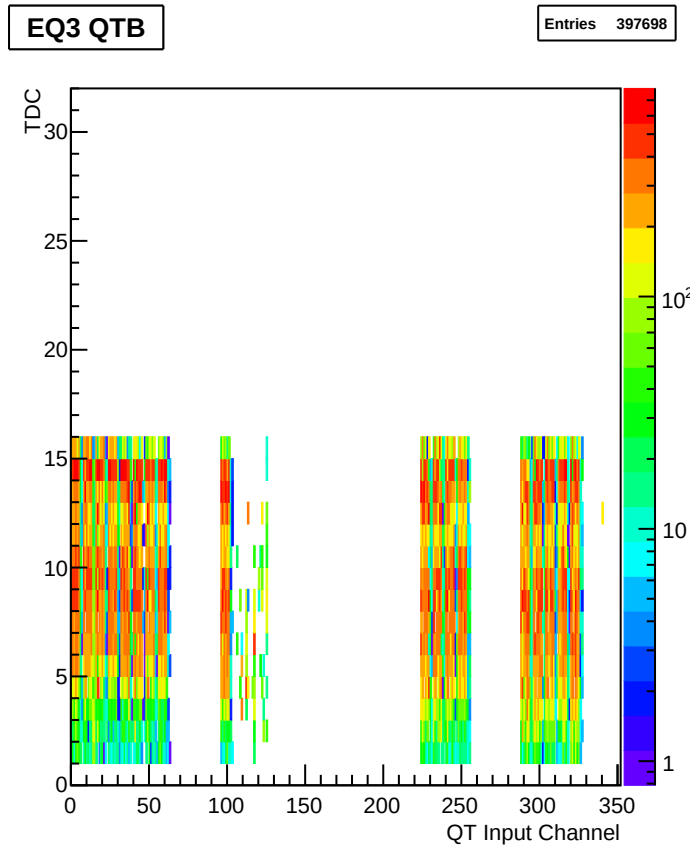

EQ2 QTB
Entries 1571616
ADC
QT Input Channel

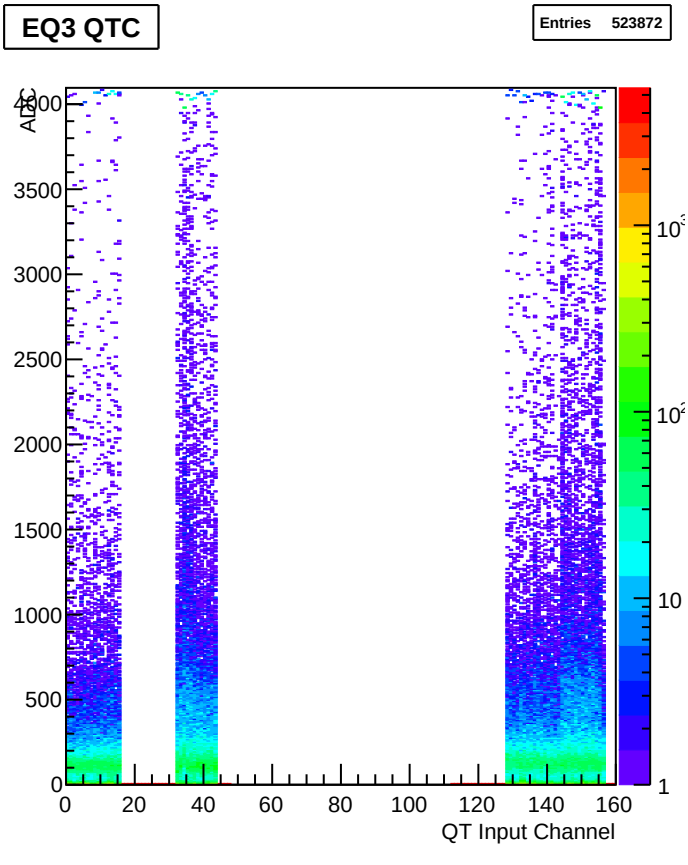

EQ2 QTB
Entries 523024
TDC
QT Input Channel

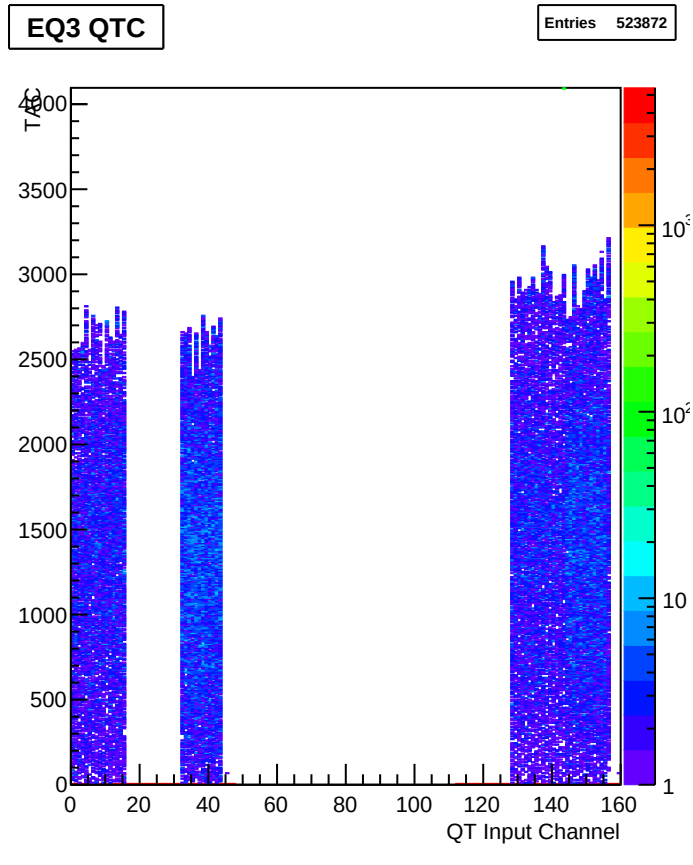

EQ2 QTC
Entries 523872
ADC
QT Input Channel

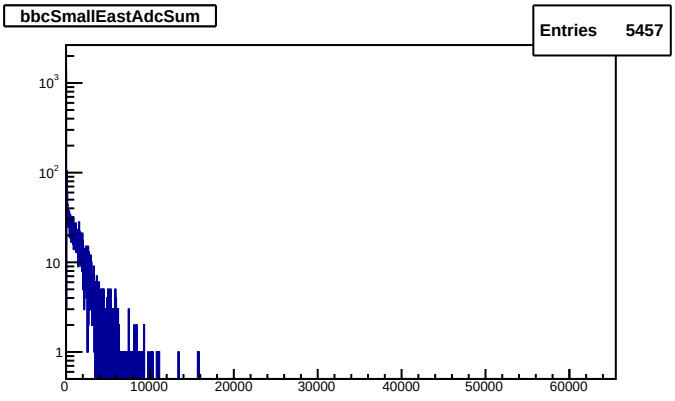

EQ2 QTC
Entries 523872
TADC
QT Input Channel

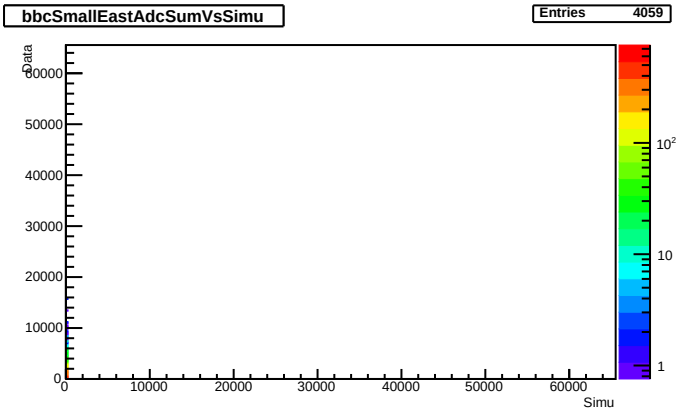

EQ3 QTB
Entries 1396992
ADC
QT Input Channel

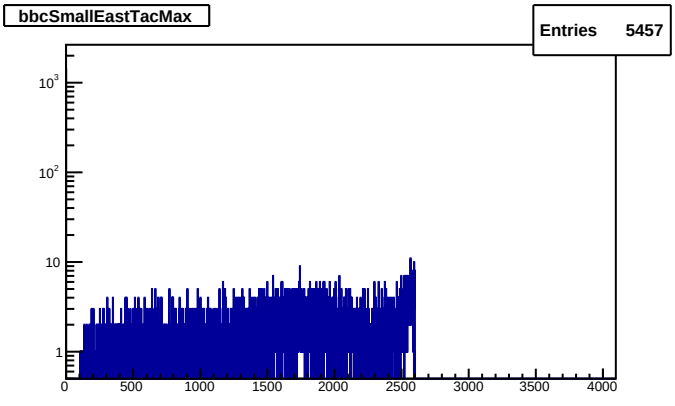

EQ3 QTB
Entries 397698
TDC
QT Input Channel

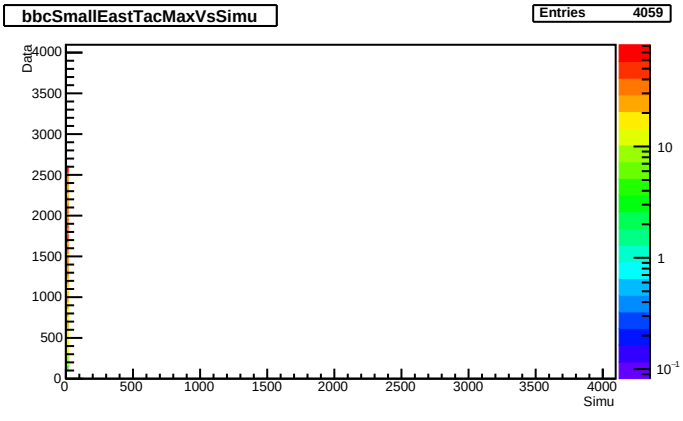

EQ3 QTC
Entries 523872
ADC
QT Input Channel

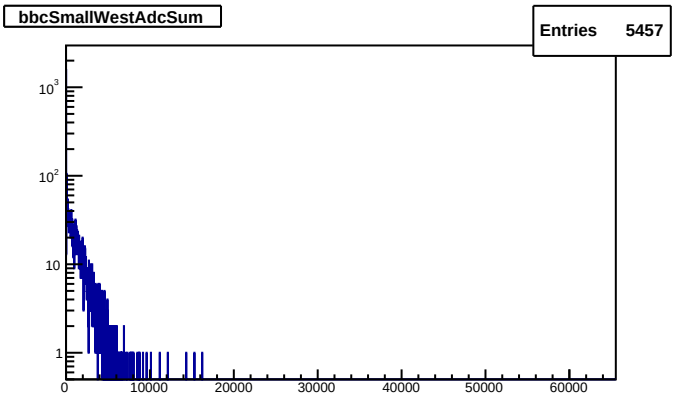

EQ3 QTC
Entries 523872
TADC
QT Input Channel

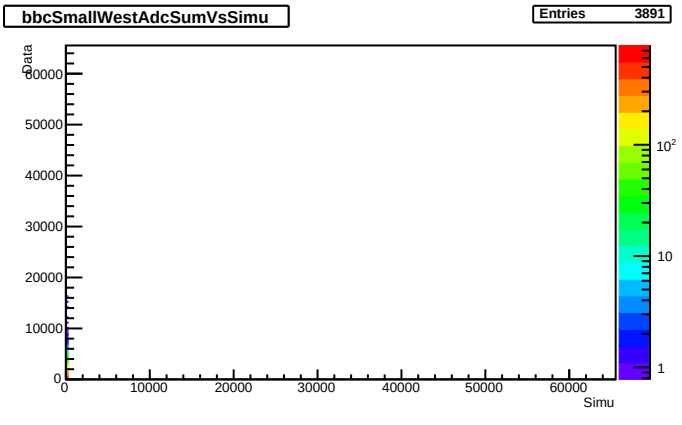

bbcSmallEastAdcSum
Entries 5457

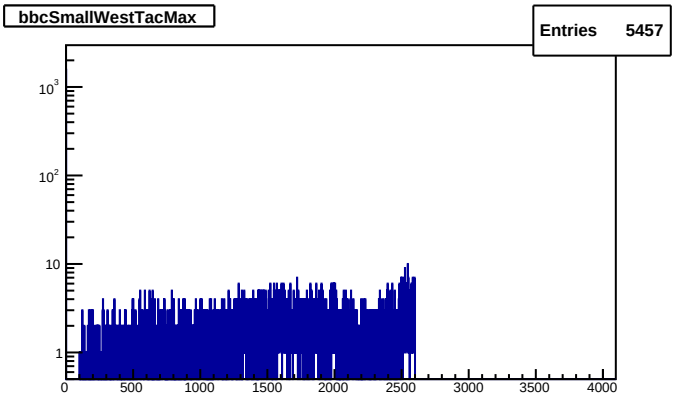

bbcSmallEastAdcSumVsSimu
Entries 4059
Data
Simu

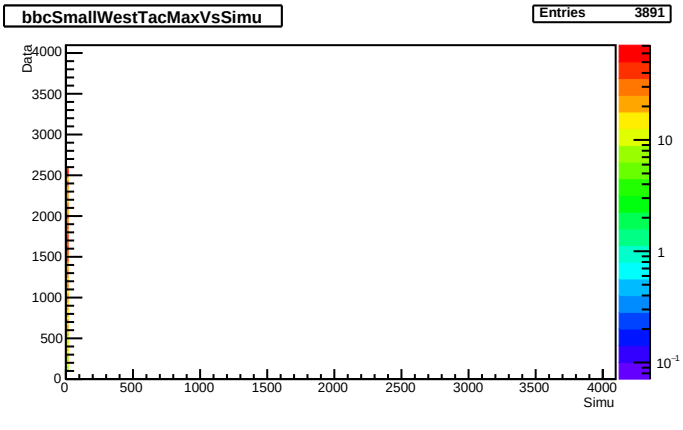

bbcSmallEastTacMax
Entries 5457

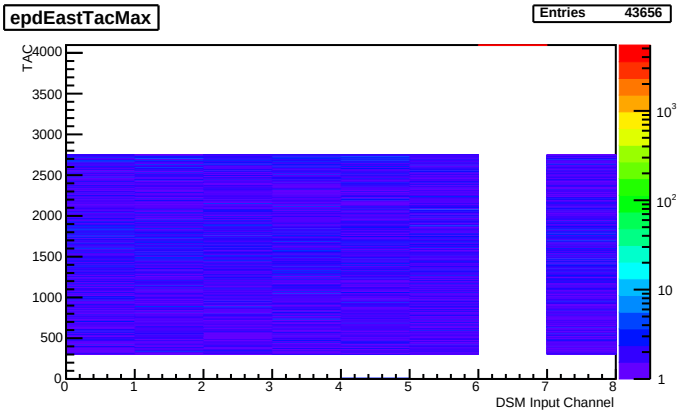

bbcSmallEastTacMaxVsSimu
Entries 4059
Data
Simu

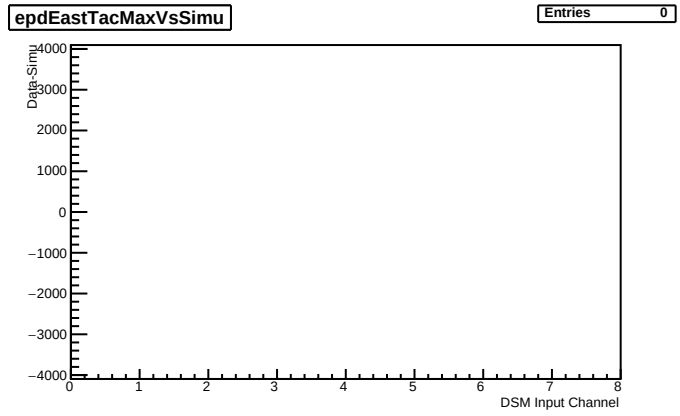

bbcSmallWestAdcSum
Entries 5457

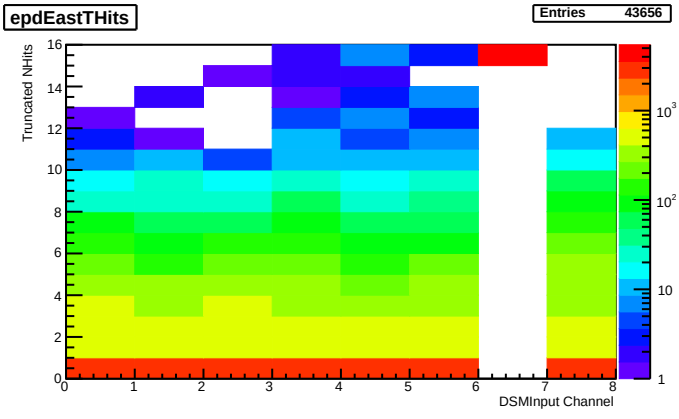

bbcSmallWestAdcSumVsSimu
Entries 3891
Data
Simu

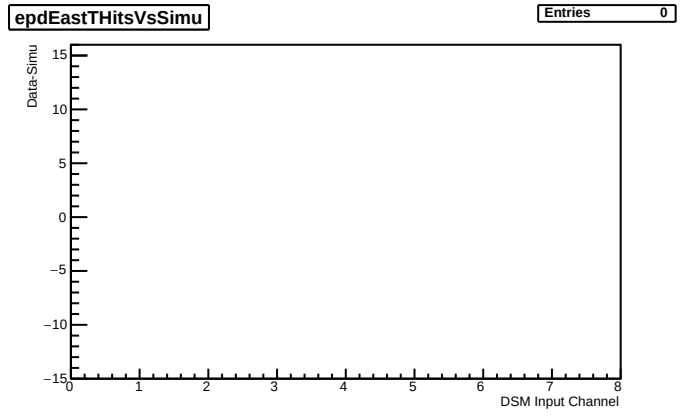

bbcSmallWestTacMax
Entries 5457

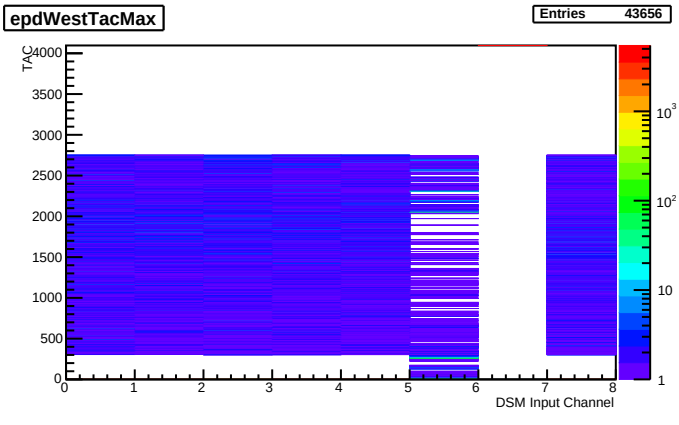

bbcSmallWestTacMaxVsSimu
Entries 3891
Data
Simu

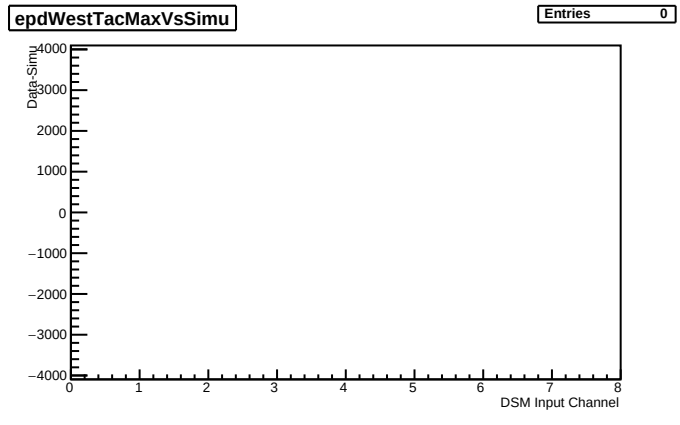

epdEastTacMax
Entries 43656
TAC
DSM Input Channel

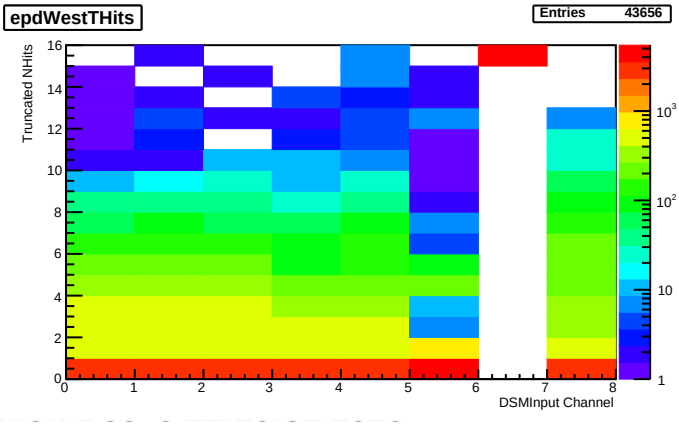

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

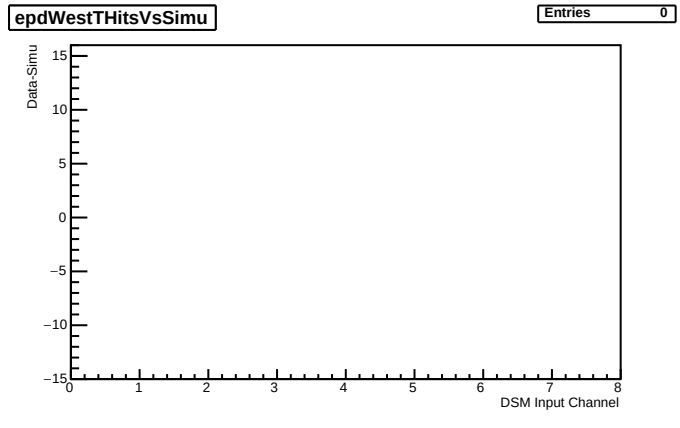

epdEastTHits
Entries 43656
Truncated NHits
DSMInput Channel

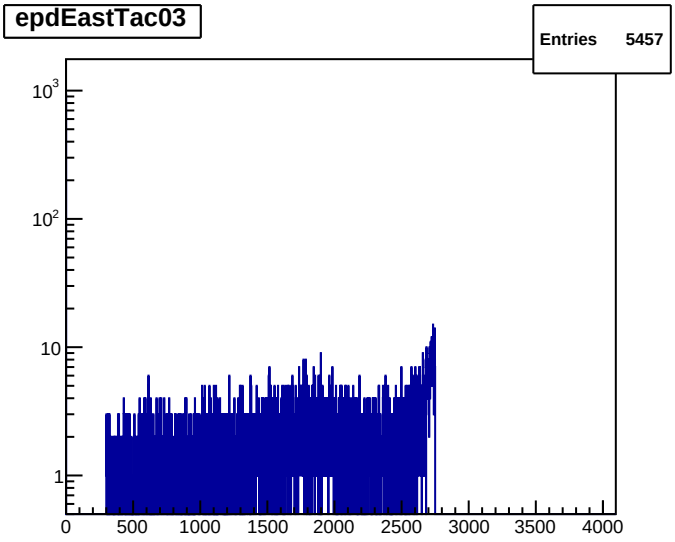

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

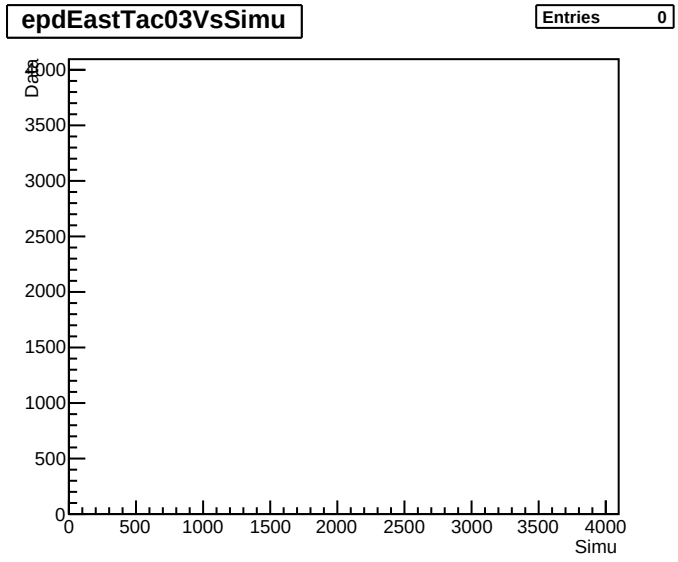

epdWestTacMax
Entries 43656
TAC
DSM Input Channel

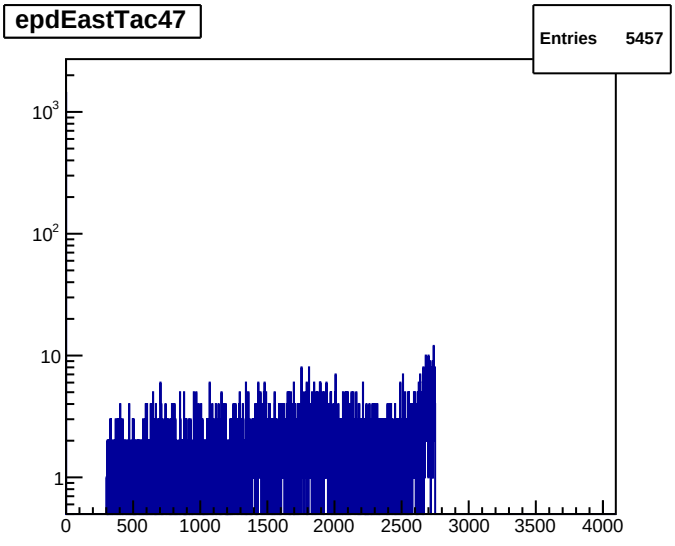

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

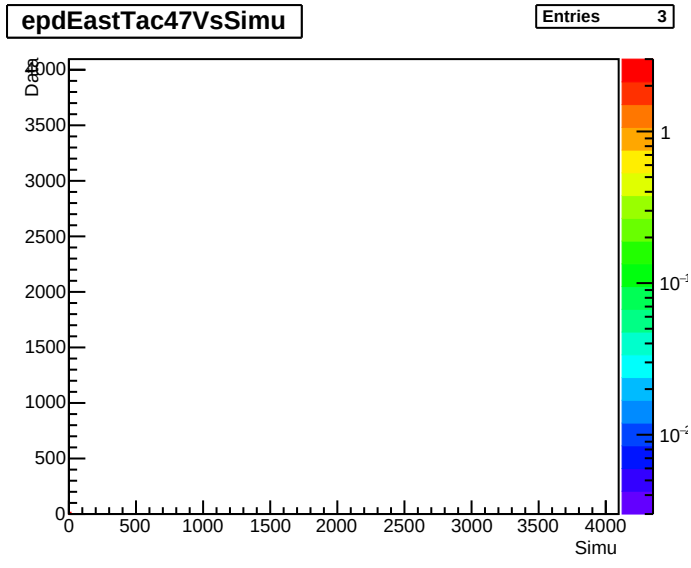

epdWestTHits
Entries 43656
Truncated NHits
DSMInput Channel

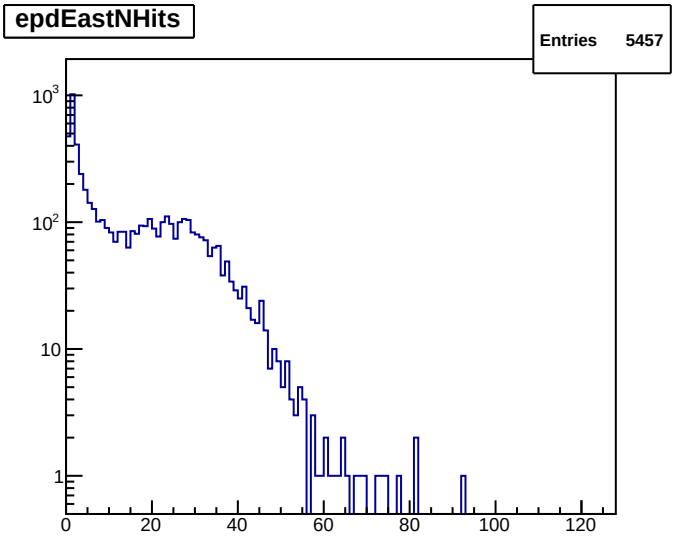

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

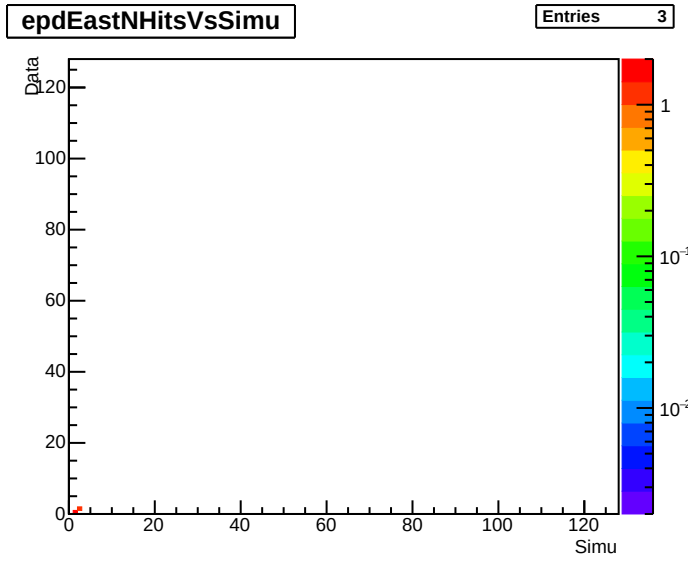

epdEastTac03
Entries 5457

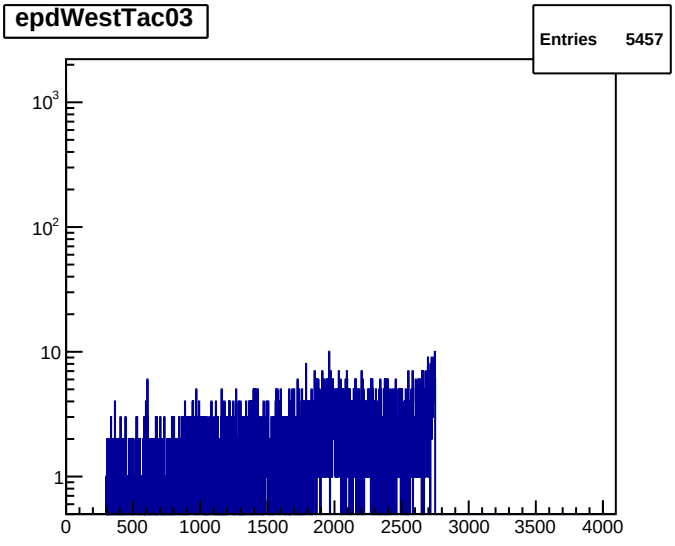

epdEastTac03VsSimu
Entries 0
Data
Simu

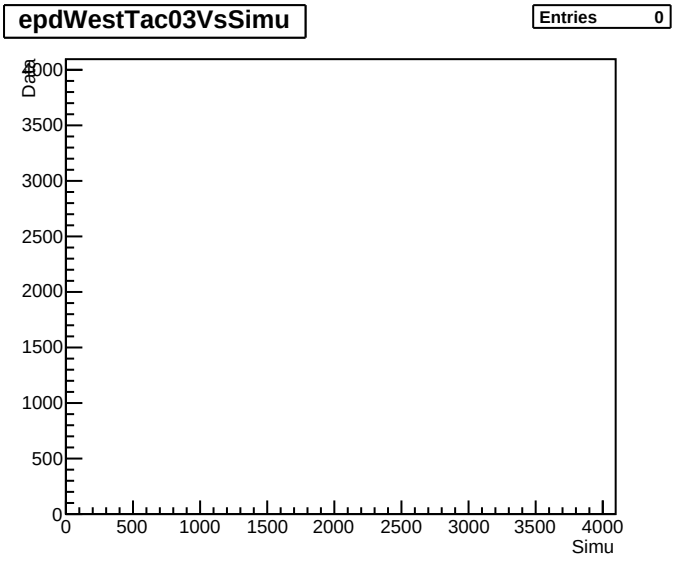

epdEastTac47
Entries 5457

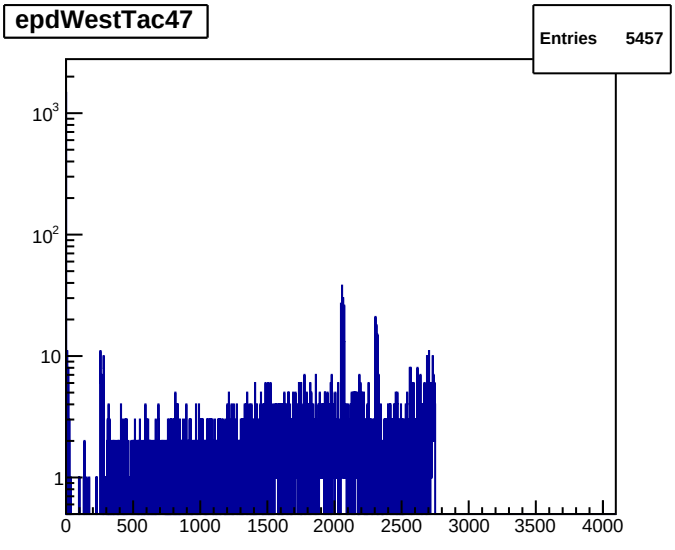

epdEastTac47VsSimu
Entries 3
Data
Simu

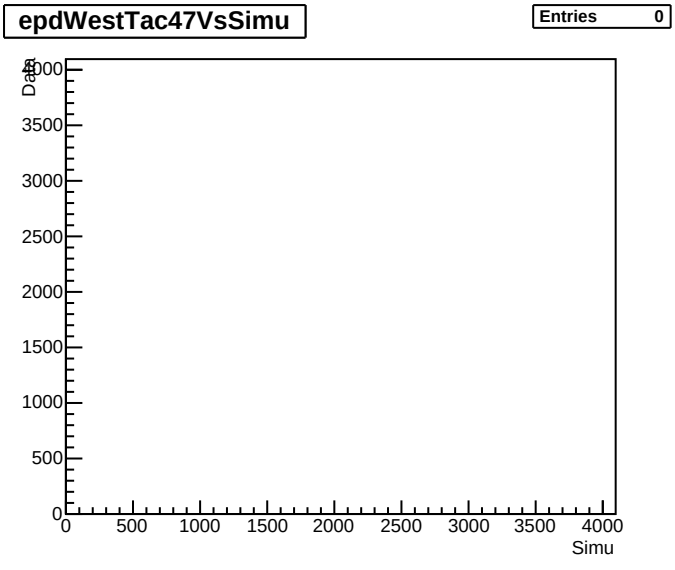

epdEastNHits
Entries 5457

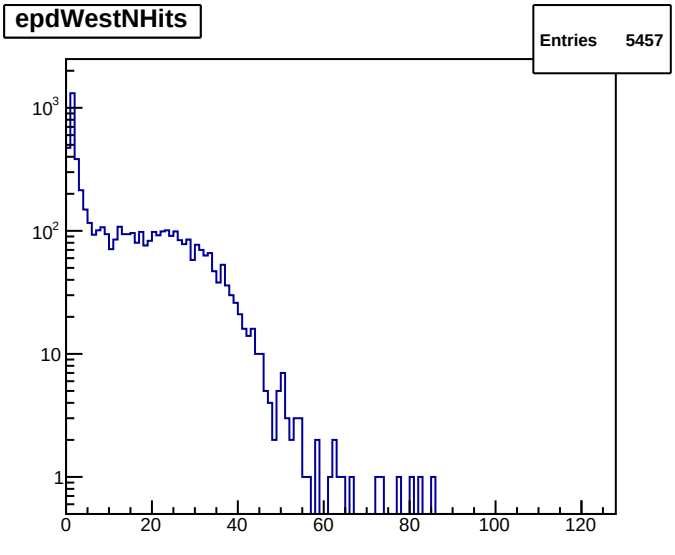

epdEastNHitsVsSimu
Entries 3
Data
Simu

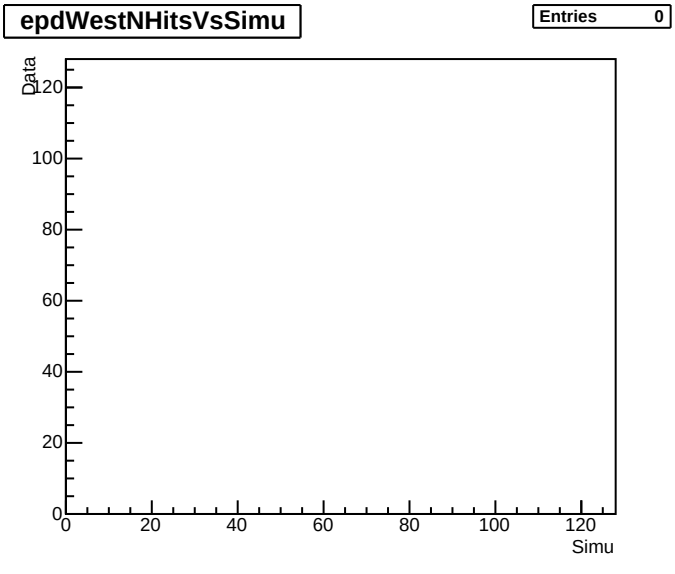

epdWestTac03
Entries 5457

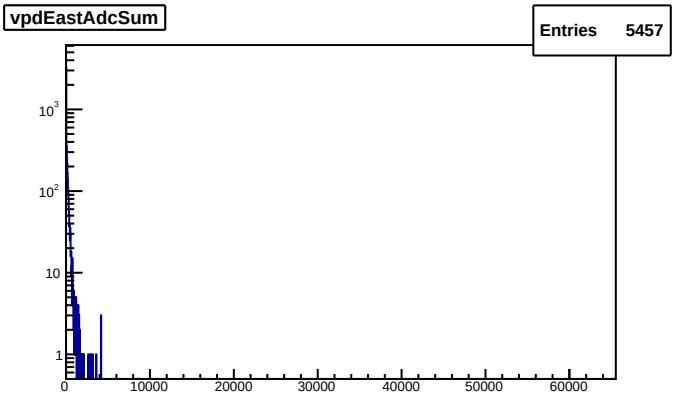

epdWestTac03VsSimu
Entries 0
Data
Simu

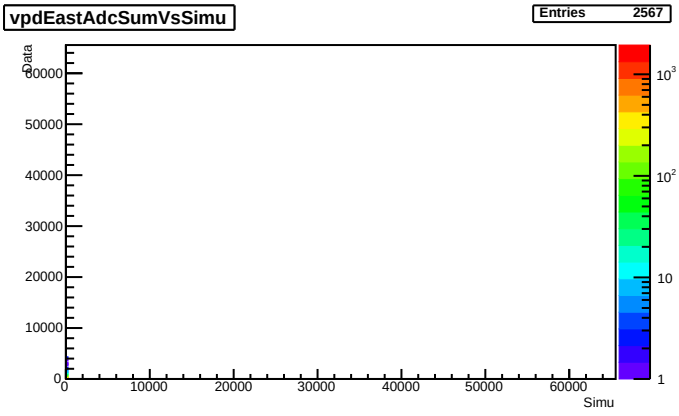

epdWestTac47
Entries 5457

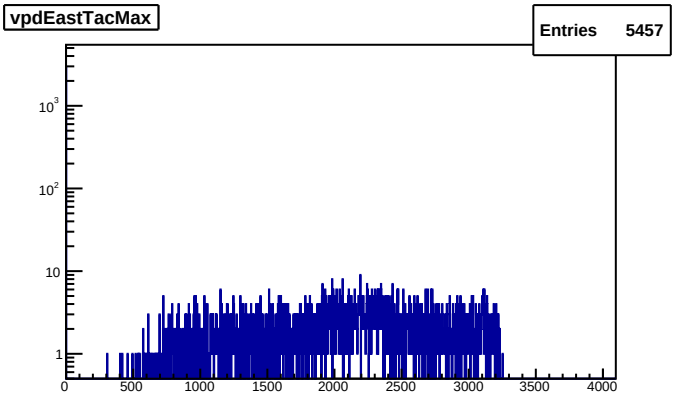

epdWestTac47VsSimu
Entries 0
Data
Simu

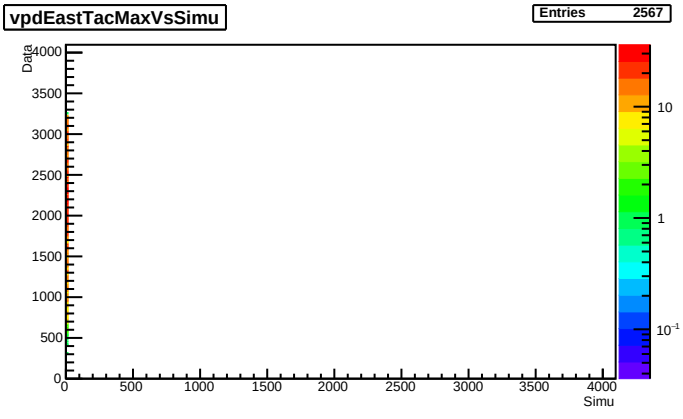

epdWestNHits
Entries 5457

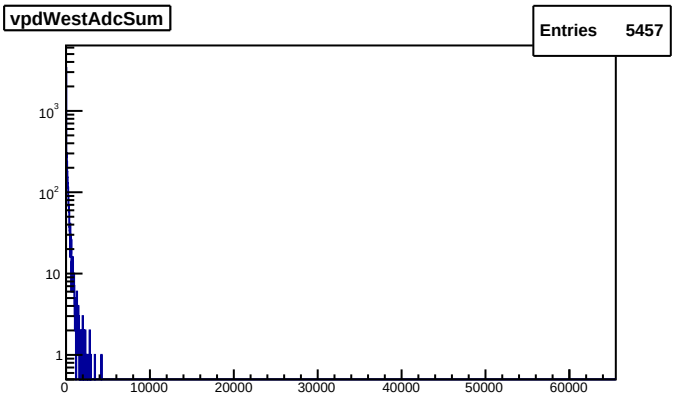

epdWestNHitsVsSimu
Entries 0
Data
Simu

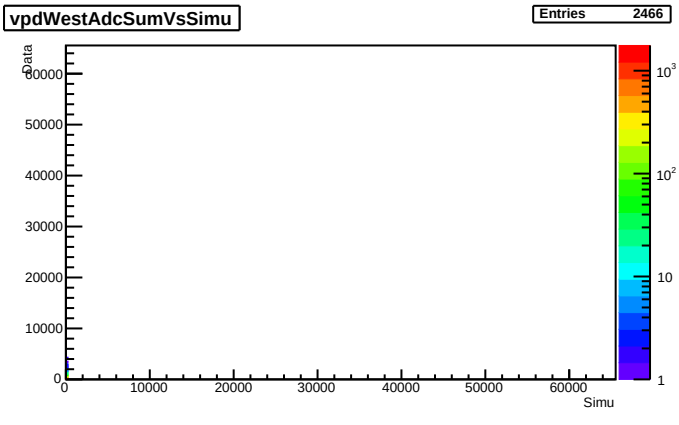

vpdEastAdcSum
Entries 5457

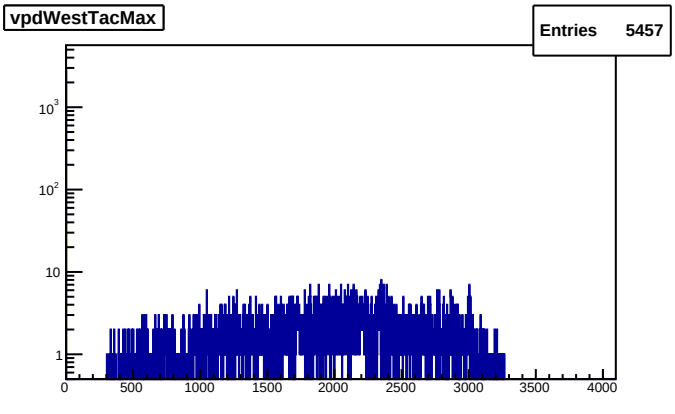

vpdEastAdcSumVsSimu
Entries 2567
Data
Simu

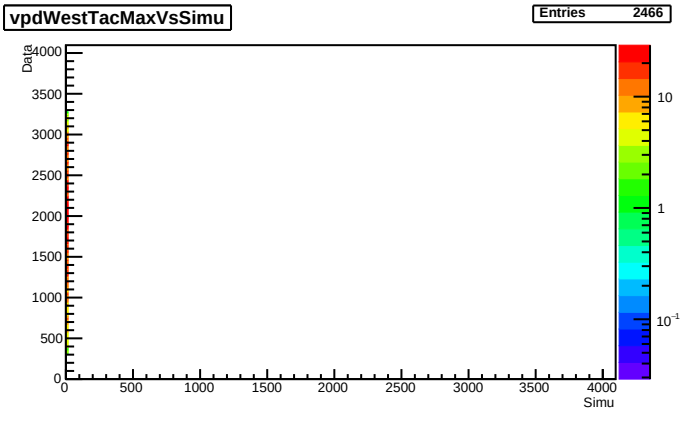

vpdEastTacMax
Entries 5457

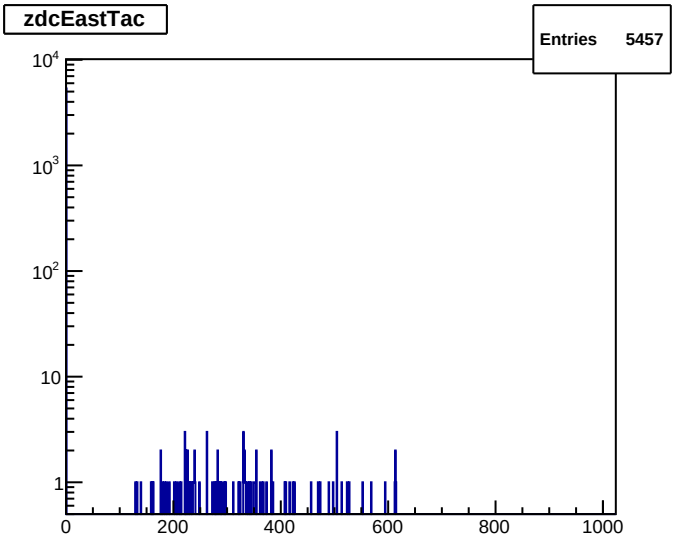

vpdEastTacMaxVsSimu
Entries 2567
Data
Simu

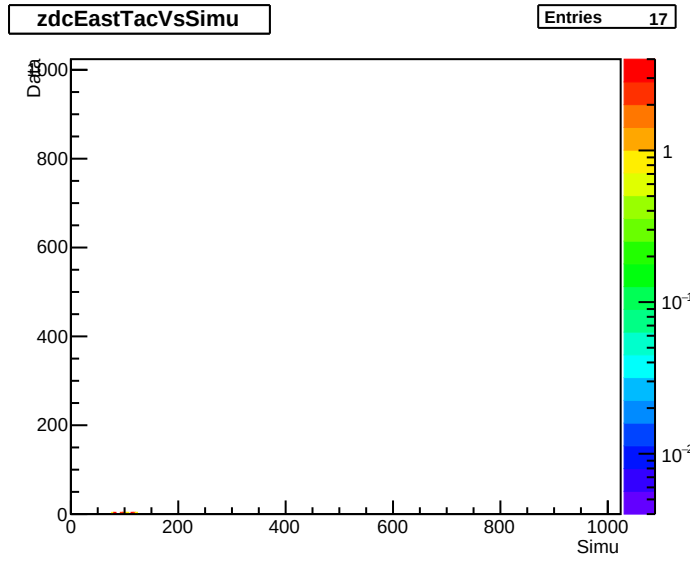

vpdWestAdcSum
Entries 5457

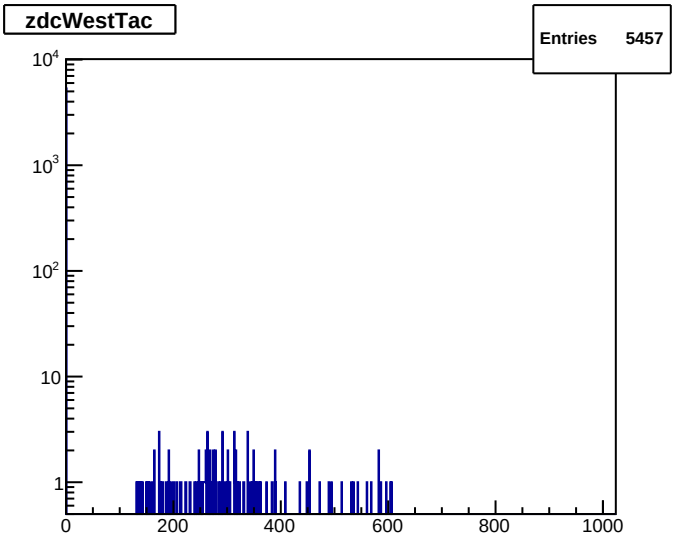

vpdWestAdcSumVsSimu
Entries 2466
Data
Simu

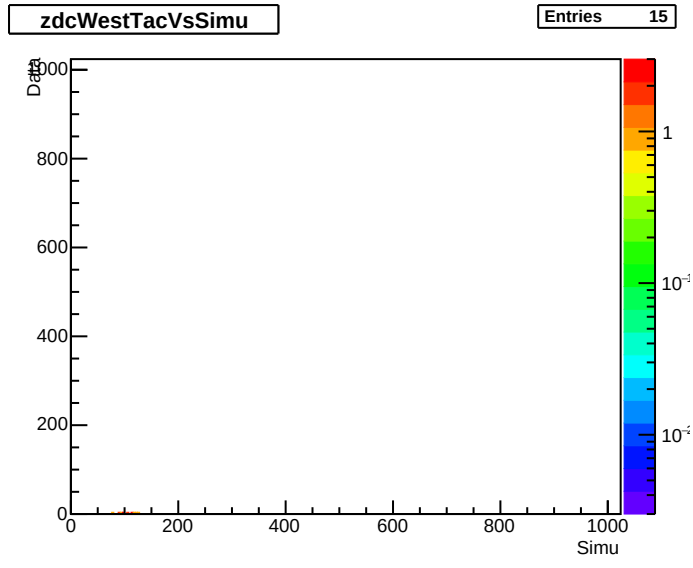

vpdWestTacMax
Entries 5457

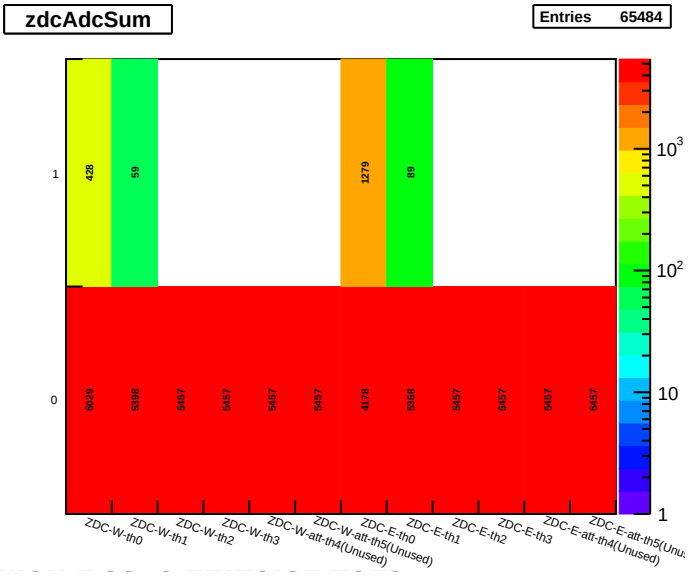

vpdWestTacMaxVsSimu
Entries 2466
Data
Simu

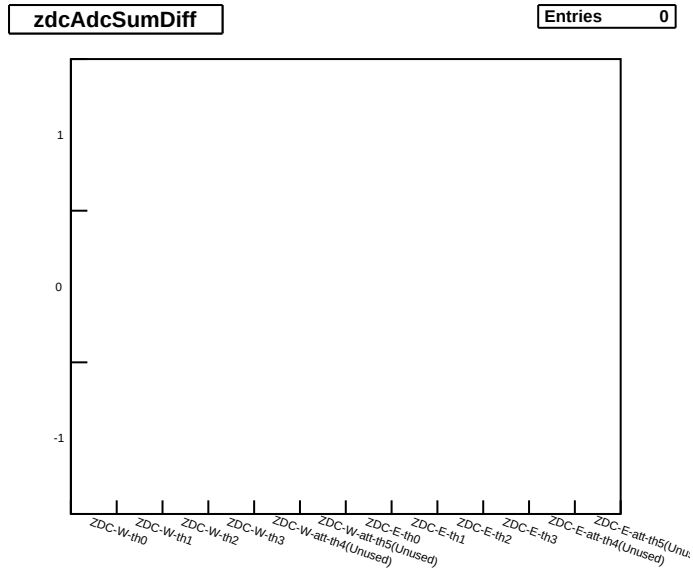

zdcEastTac
Entries 5457

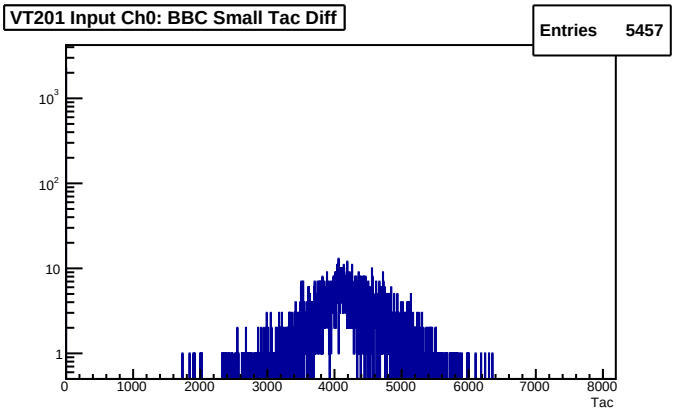

zdcEastTacVsSimu
Entries 17
Data
Simu

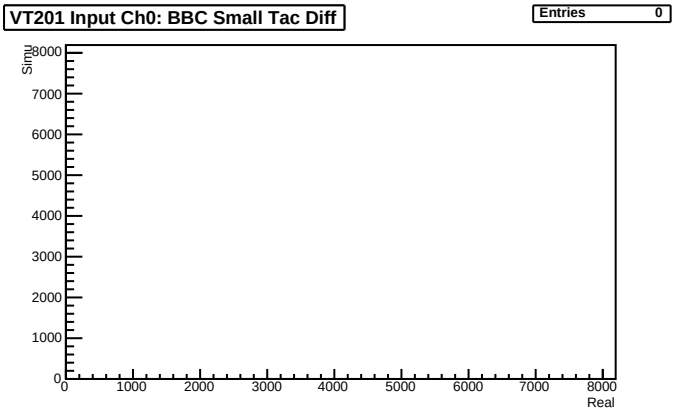

zdcWestTac
Entries 5457

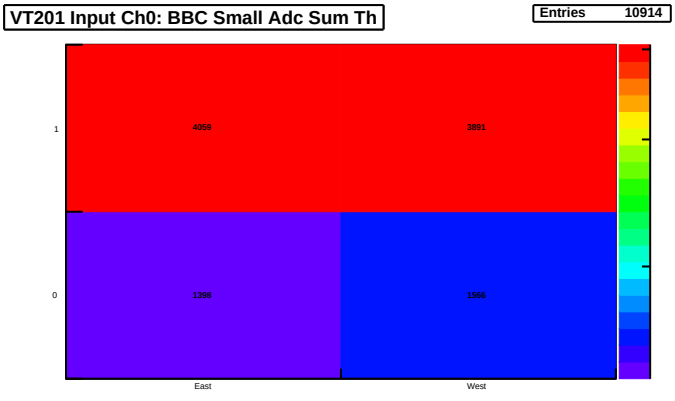

zdcWestTacVsSimu
Entries 15
Data
Simu

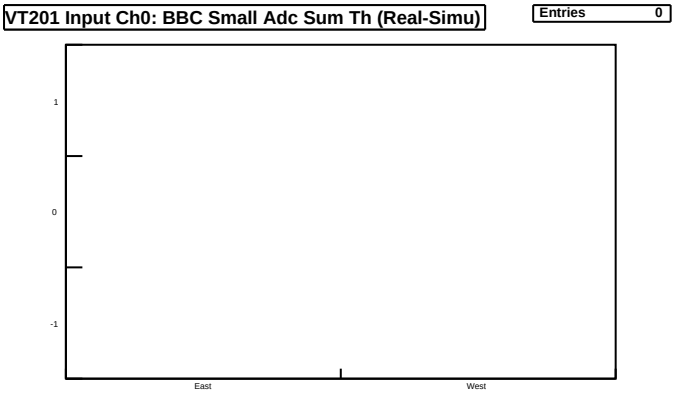

zdcAdcSum
Entries 65484
428
59
1279
89
5029
5398
5457
5457
5457
5457
4178
5368
5457
5457
5457
5457
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

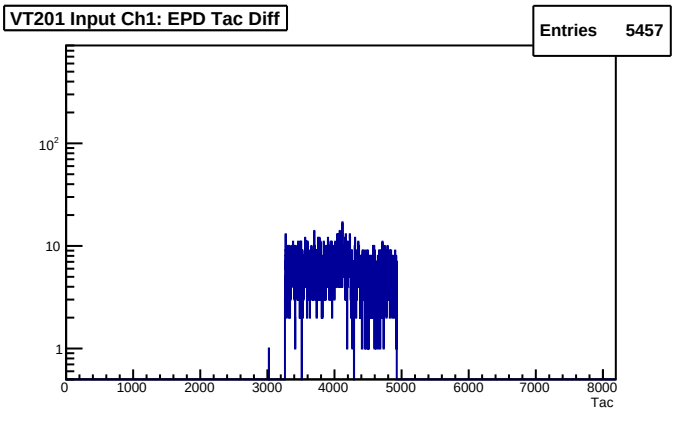

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

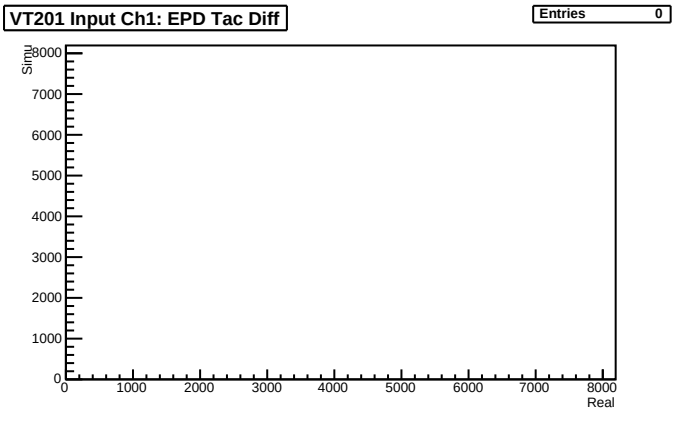

VT201 Input Ch0: BBC Small Tac Diff
Entries 5457
Tac

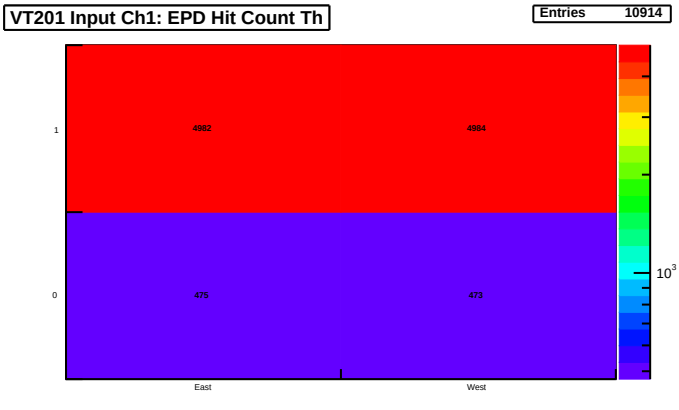

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

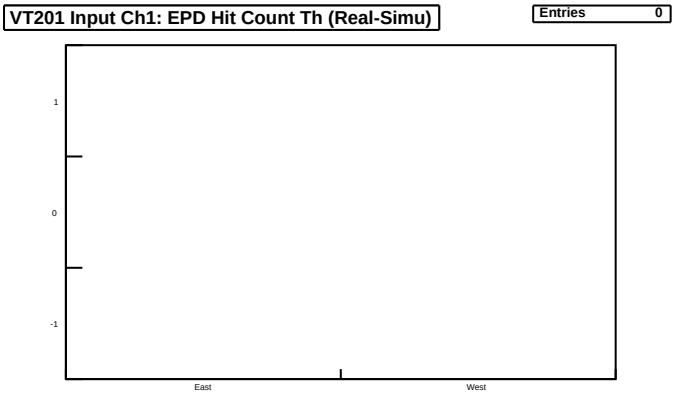

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 10914
4059
3891
1398
1566
East
West

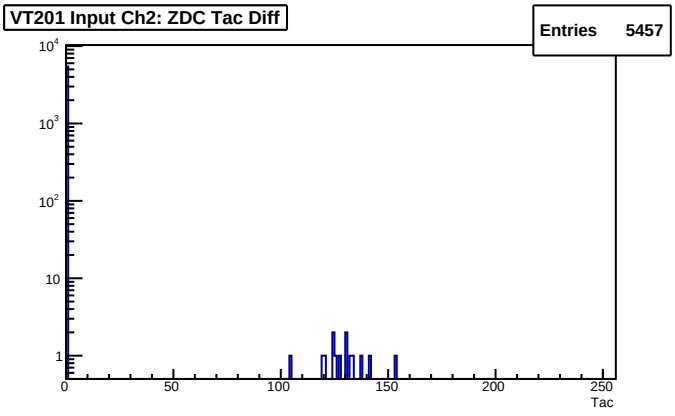

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

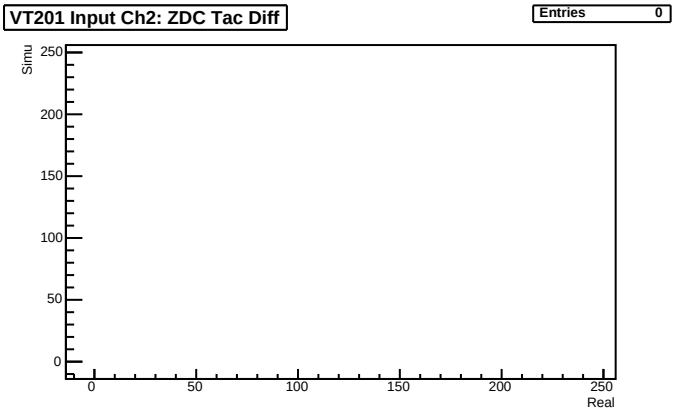

VT201 Input Ch1: EPD Tac Diff
Entries 5457
Tac

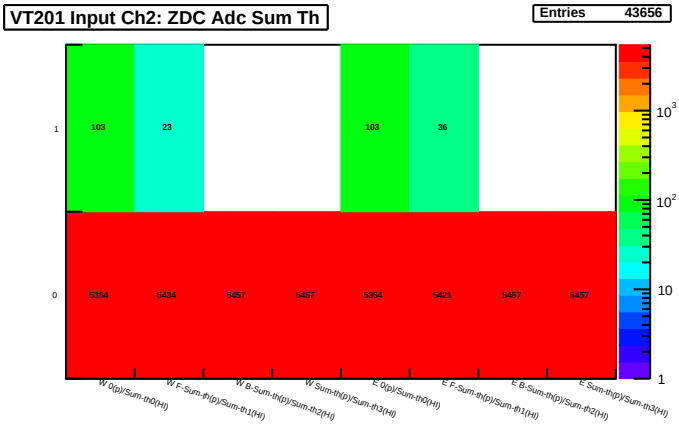

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

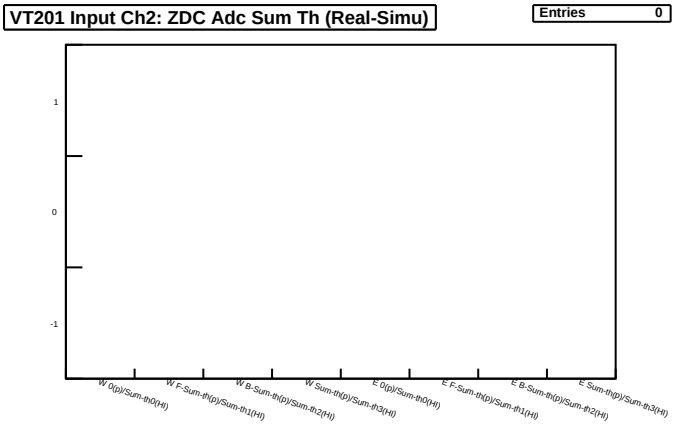

VT201 Input Ch1: EPD Hit Count Th
Entries 10914
4982
4984
475
473
East
West

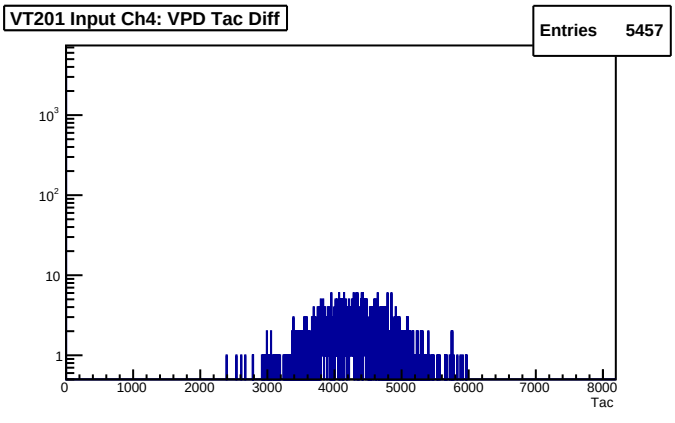

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

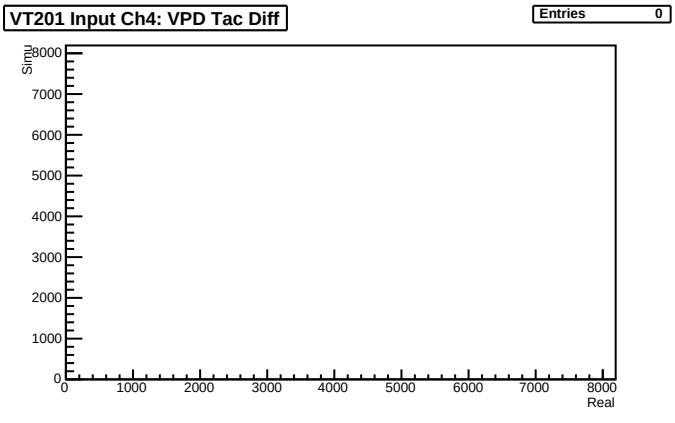

VT201 Input Ch2: ZDC Tac Diff
Entries 5457
Tac

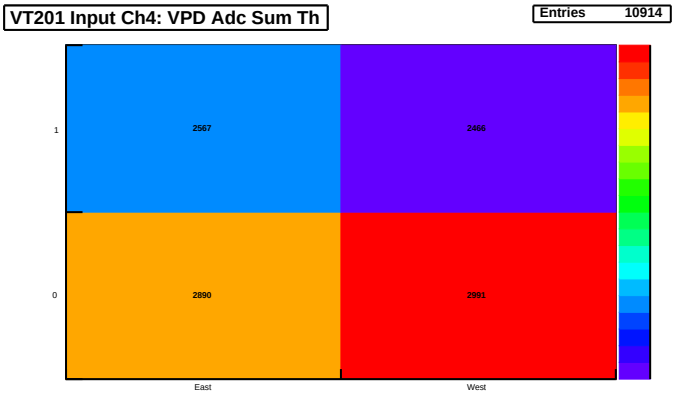

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

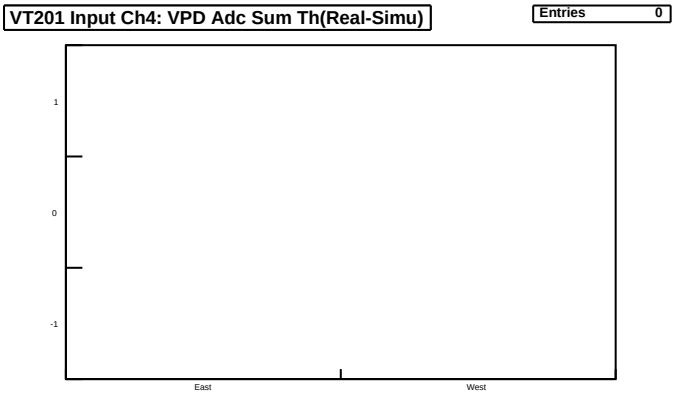

VT201 Input Ch2: ZDC Adc Sum Th
Entries 43656
103
23
103
36
5354
5434
5457
5457
5354
5421
5457
5457
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

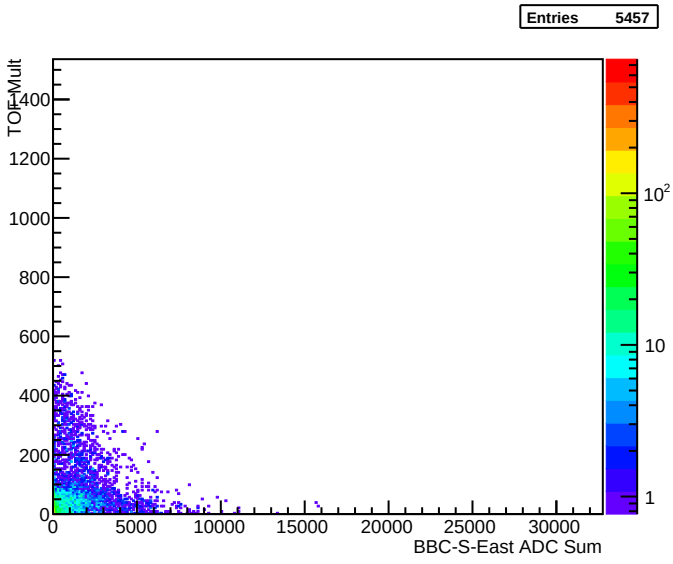

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

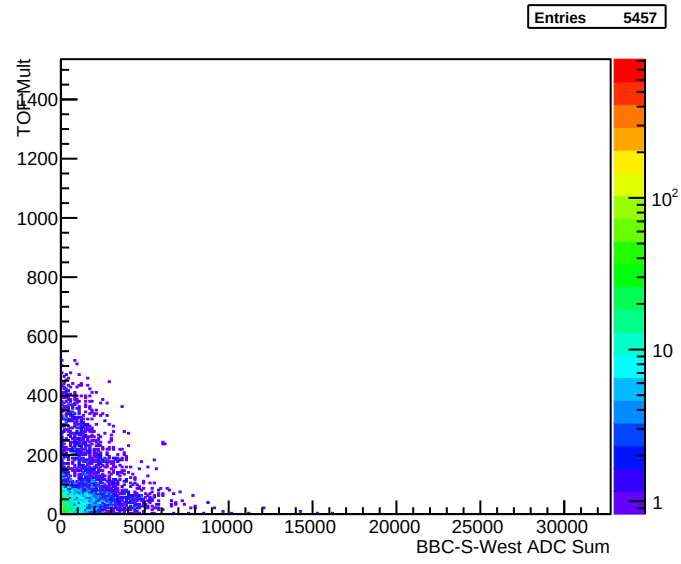

VT201 Input Ch4: VPD Tac Diff
Entries 5457
Tac

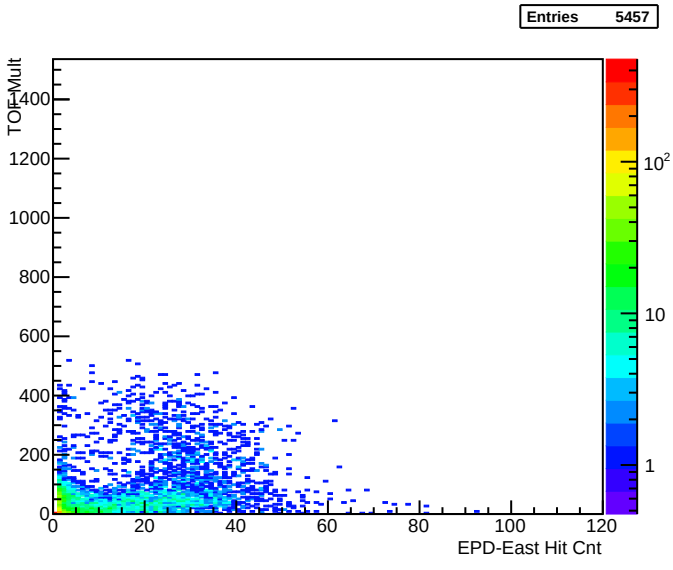

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

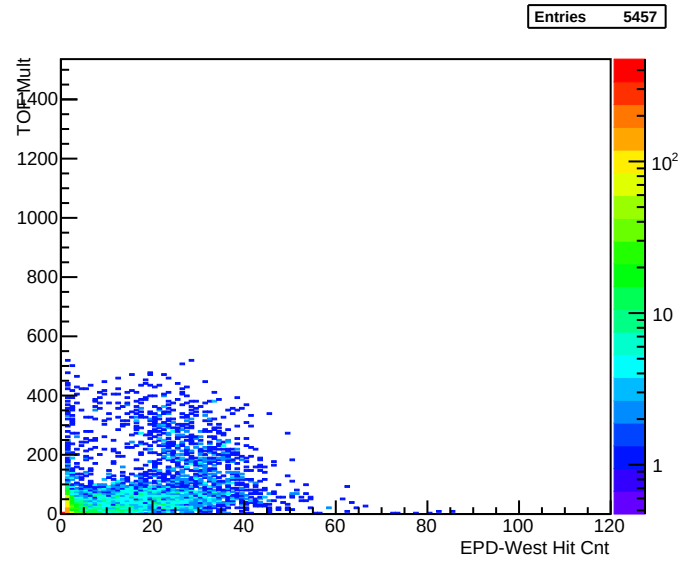

VT201 Input Ch4: VPD Adc Sum Th
Entries 10914
2567
2466
2890
2991
East
West

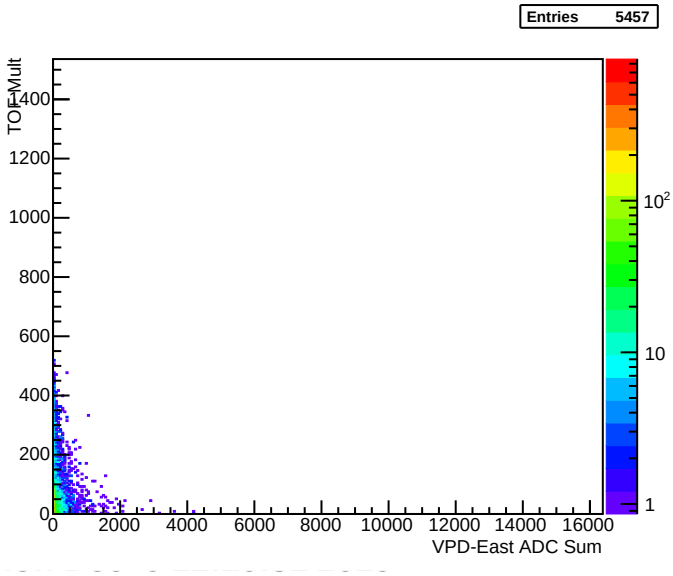

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

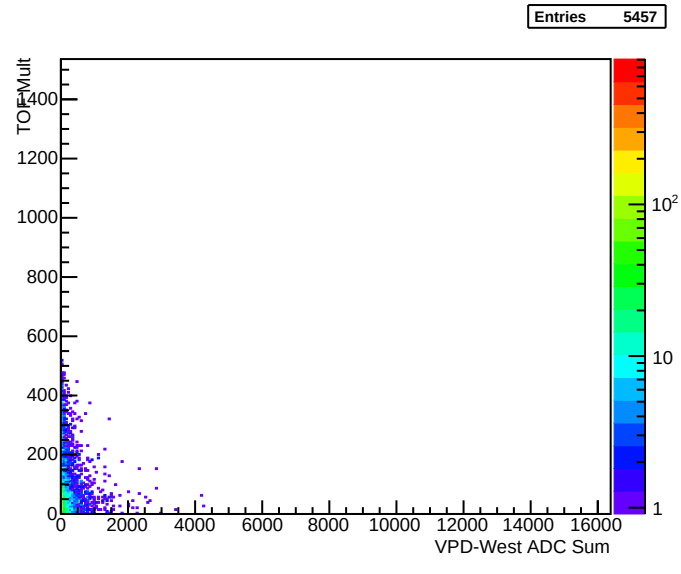

Entries 5457
TOF-Mult
BBC-S-East ADC Sum

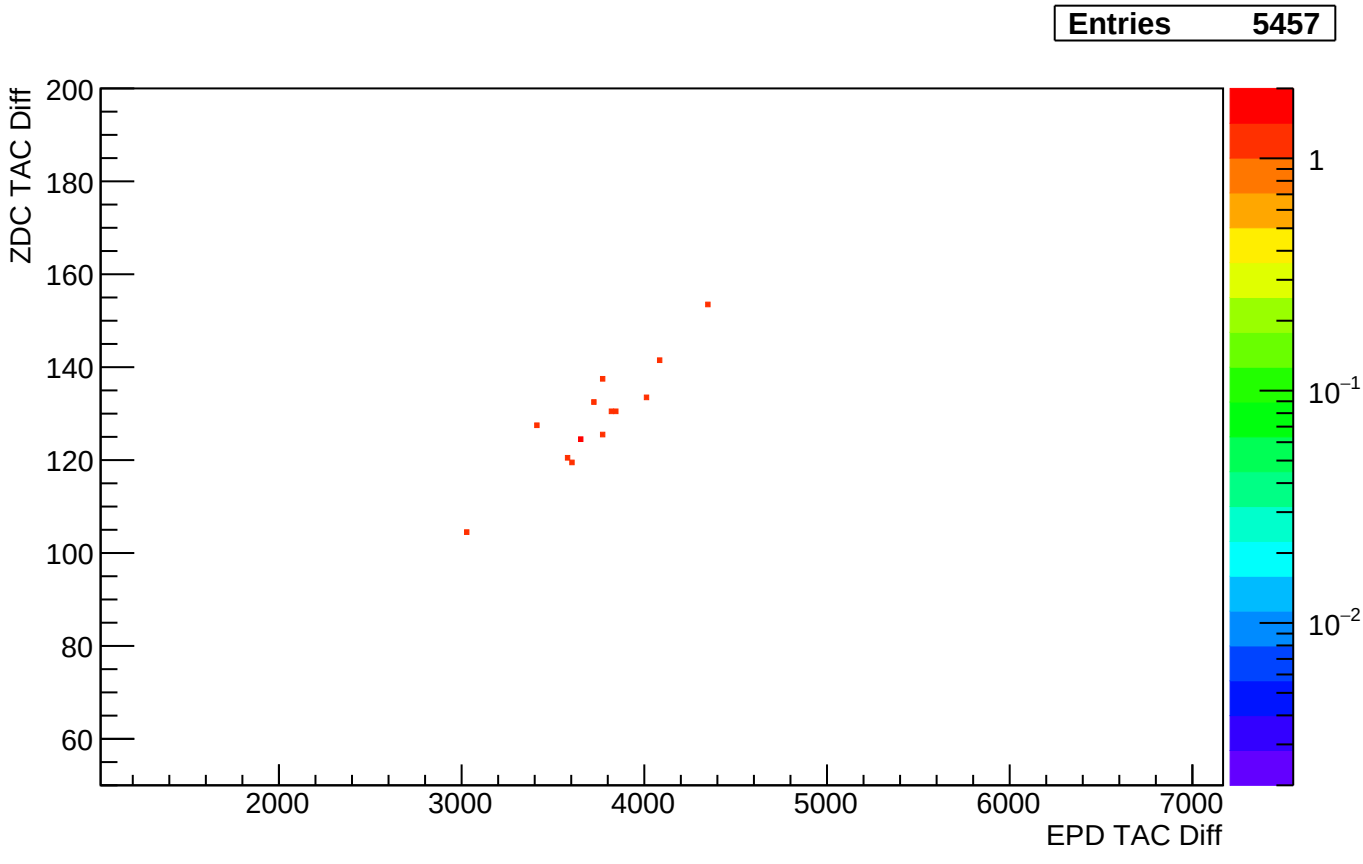

Entries 5457
TOF-Mult
BBC-S-West ADC Sum

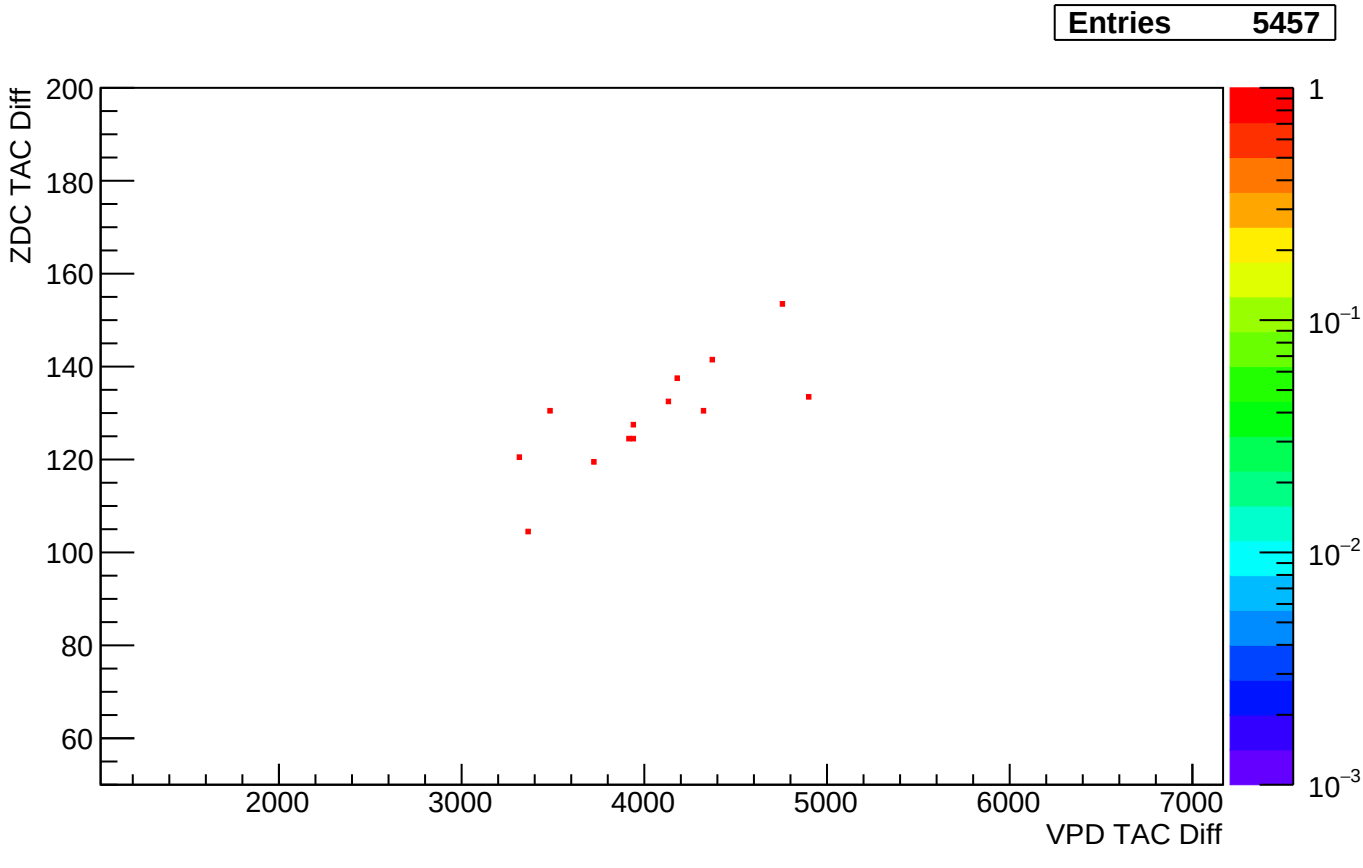

Entries 5457
TOF-Mult
EPD-East Hit Cnt

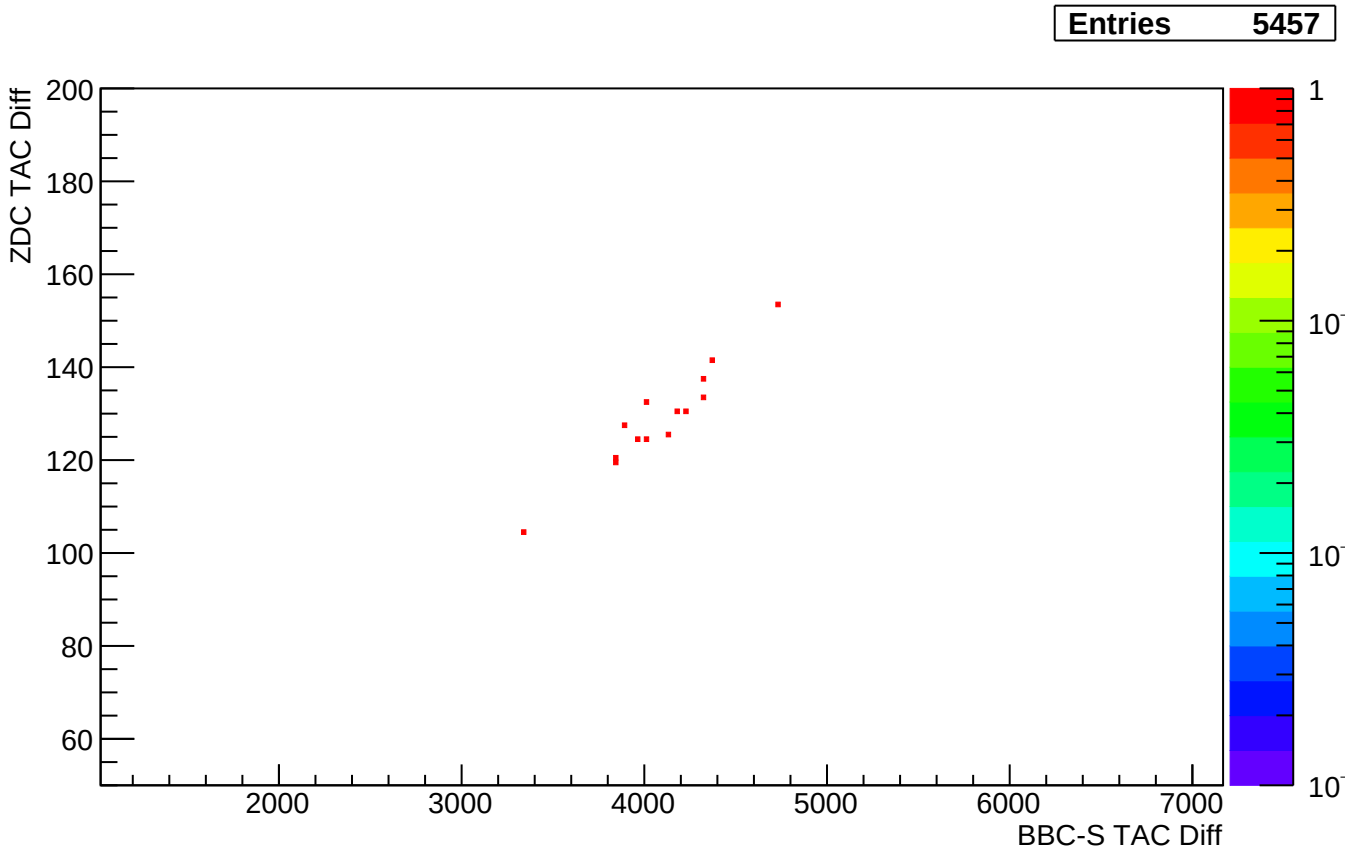

Entries 5457
TOF-Mult
EPD-West Hit Cnt

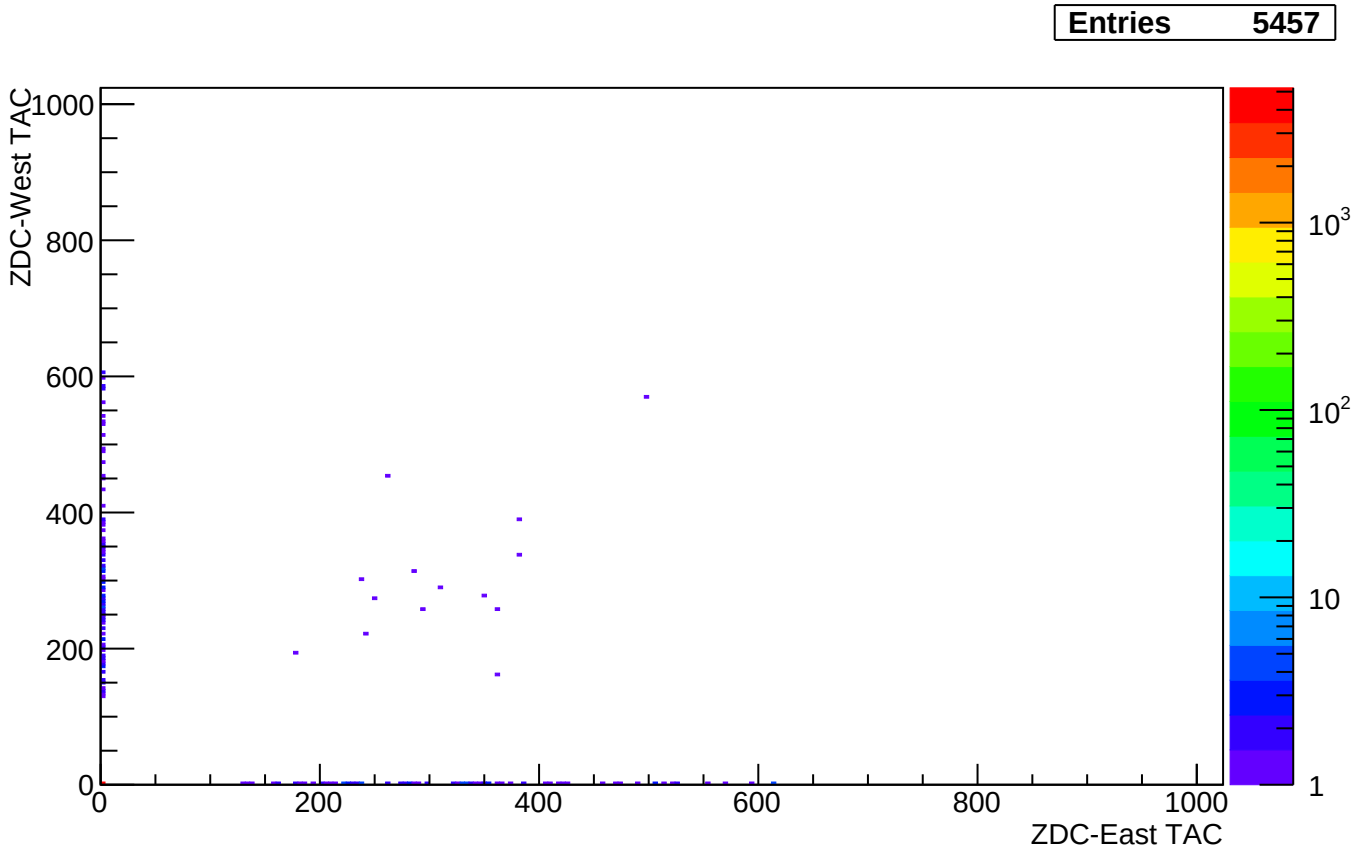

Entries 5457
TOF-Mult
VPD-East ADC Sum

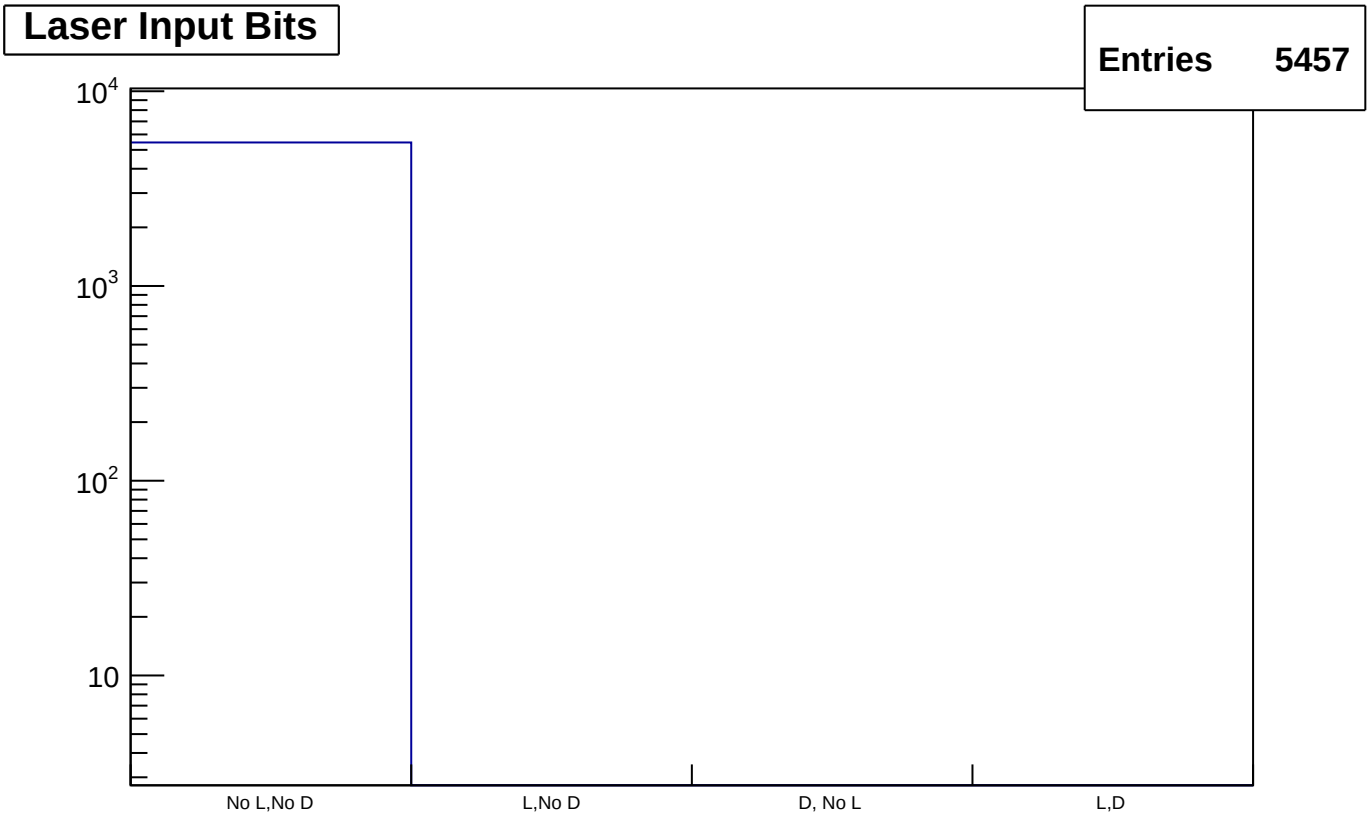

Entries 5457
TOF-Mult
VPD-West ADC Sum

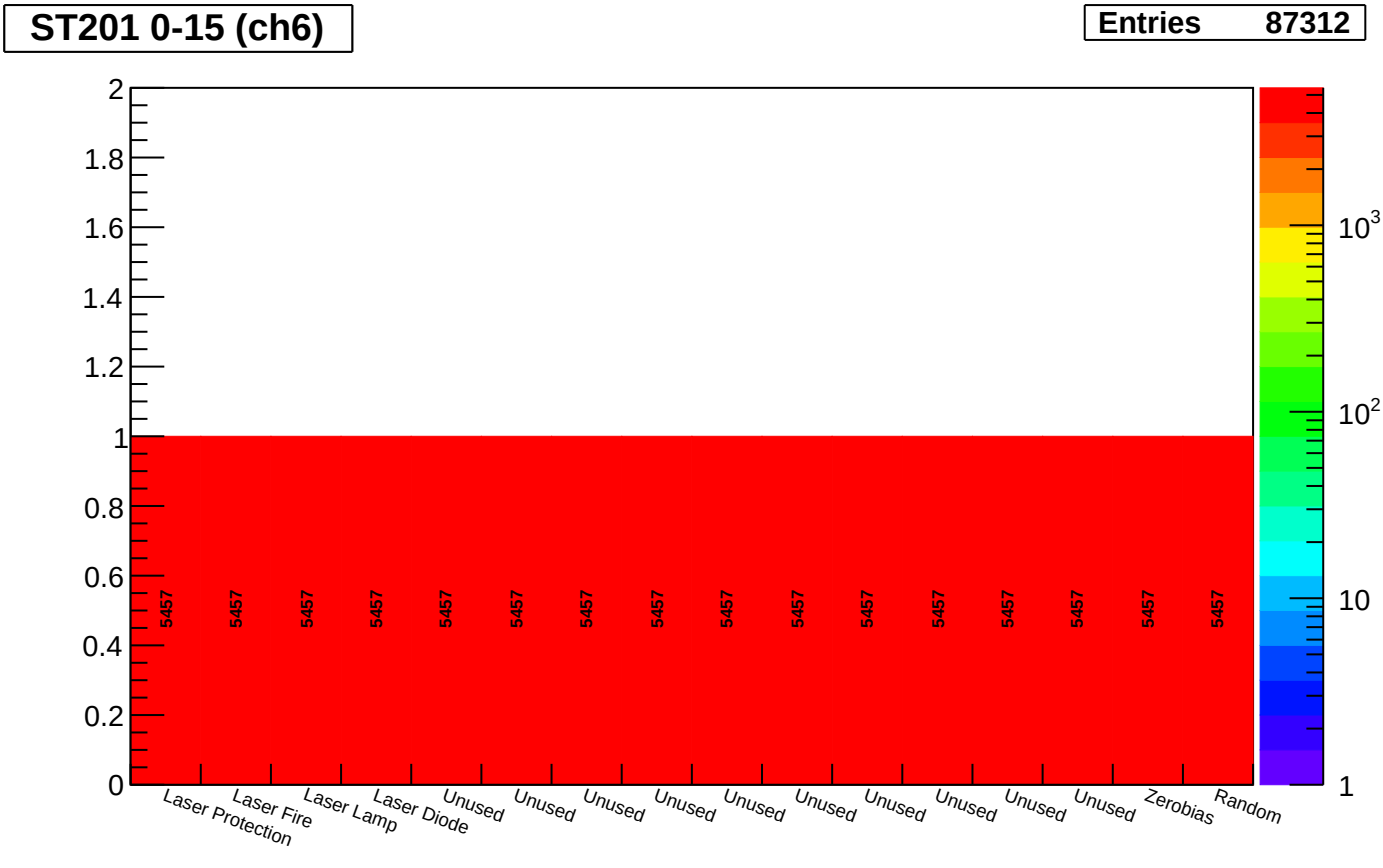

Entries 5457
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

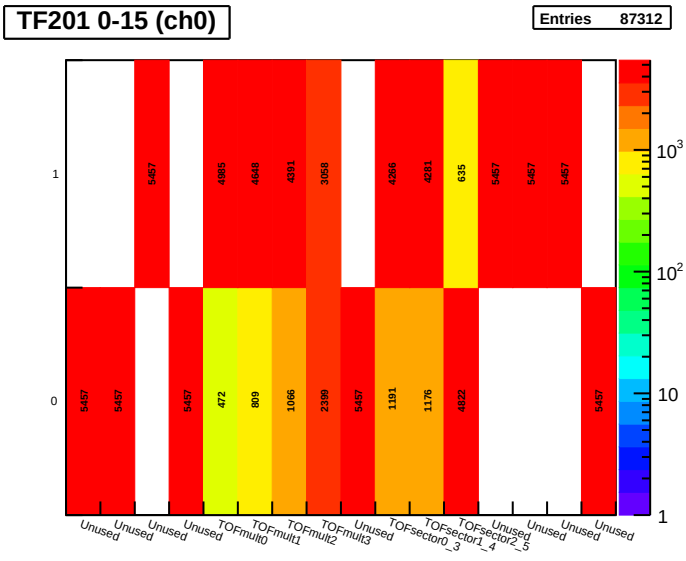

Entries 5457
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}
10^{-3}

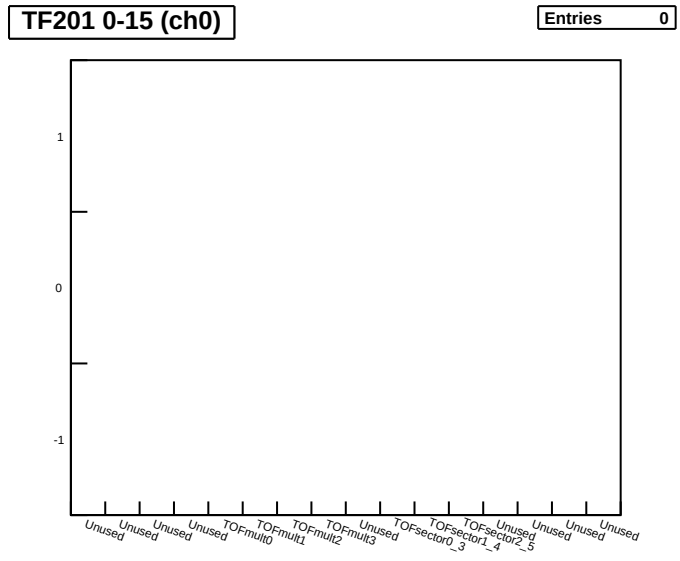

Entries 5457
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

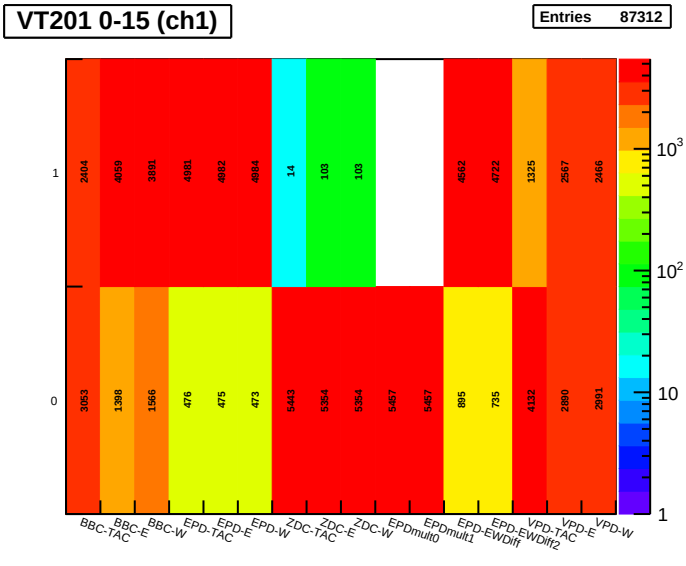

Entries 5457
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^3
10^2
10
1

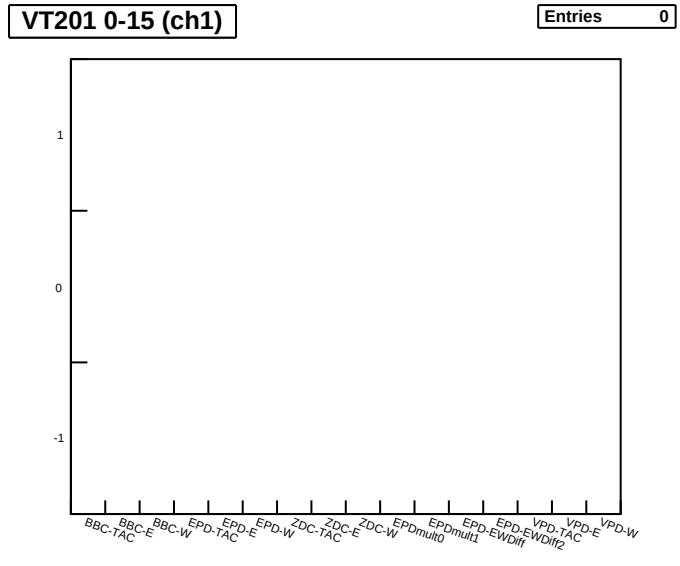

Laser Input Bits
Entries 5457
10^4
10^3
10^2
10
No L,No D
L,No D
D, No L
L,D

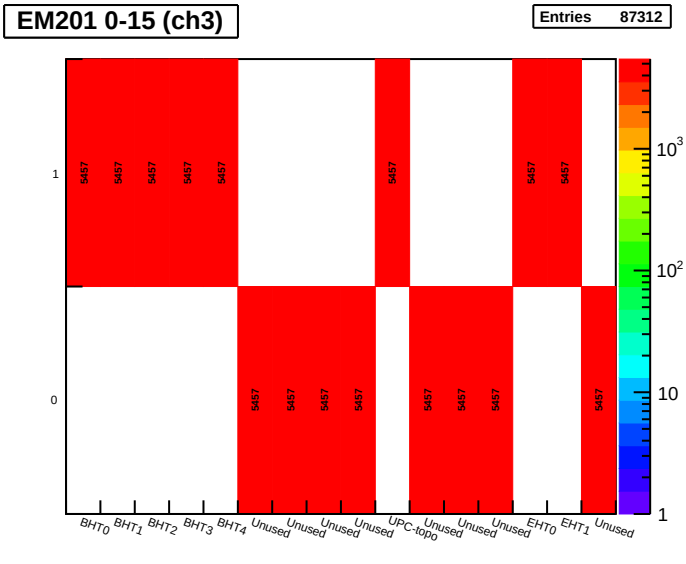

ST201 0-15 (ch6)
Entries 87312
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
5457
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^3
10^2
10
1

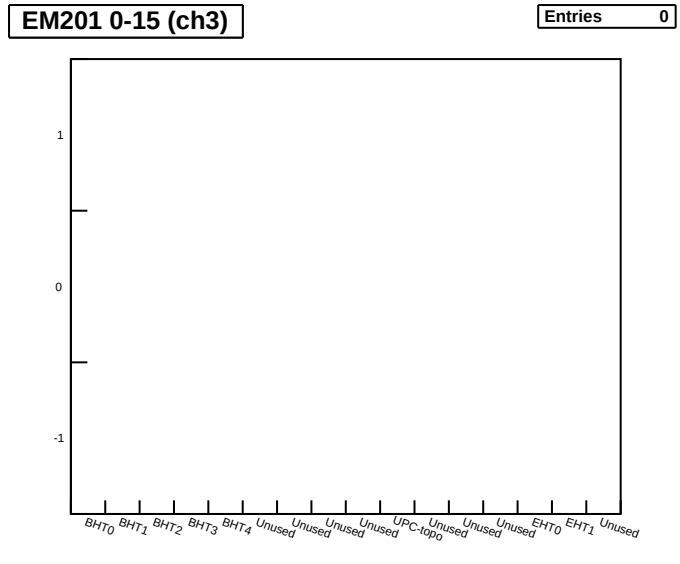

TF201 0-15 (ch0)
Entries 87312
1
0
5457
4085
4648
4391
3058
4266
4251
635
5457
5457
5457
5457
5457
5457
472
809
1066
2399
5457
1191
1176
4822
5457
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 87312
1
0
2404
4059
3891
4981
4982
4984
14
103
103
4562
4722
1325
2567
2466
3053
1398
1566
476
475
473
5443
5354
5354
5457
5457
895
735
4132
2890
2931
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 87312
1
0
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
5457
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^3
10^2
10
1


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