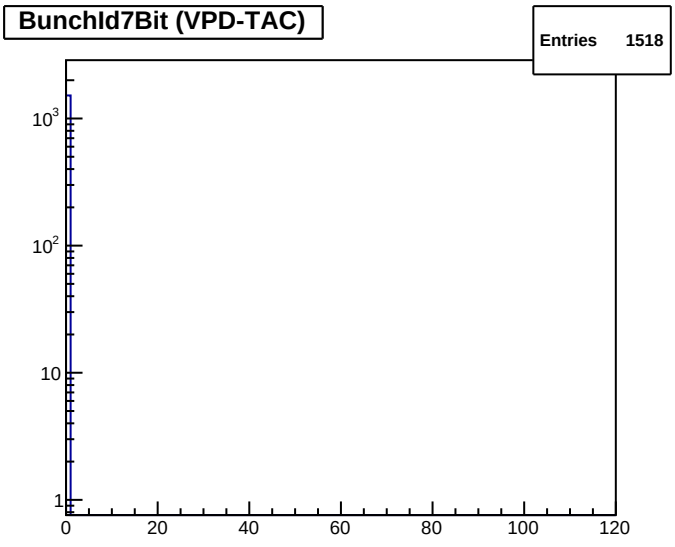
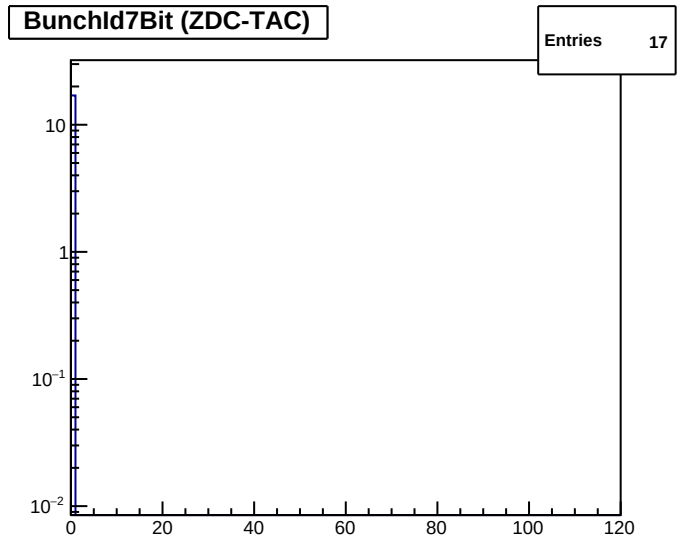
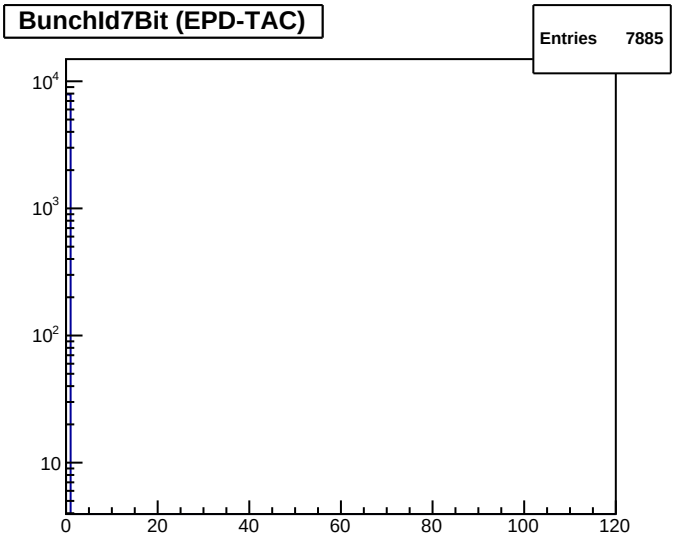
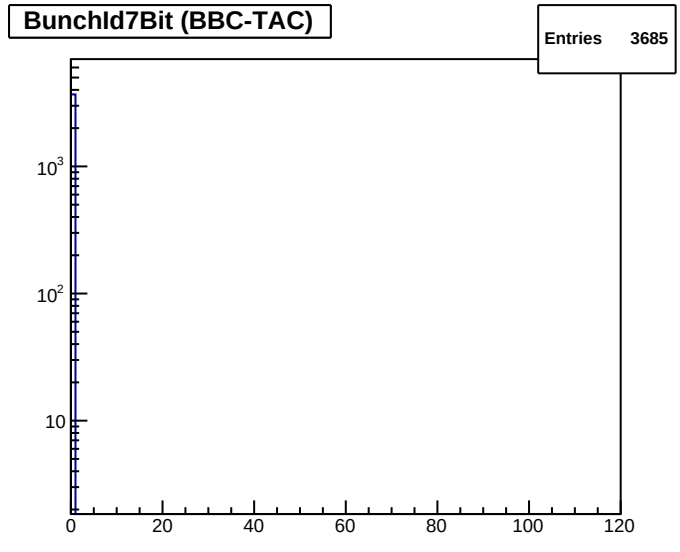
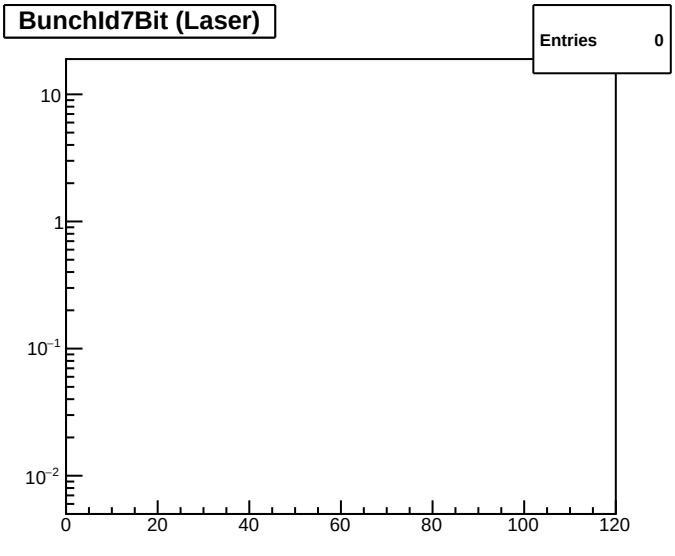
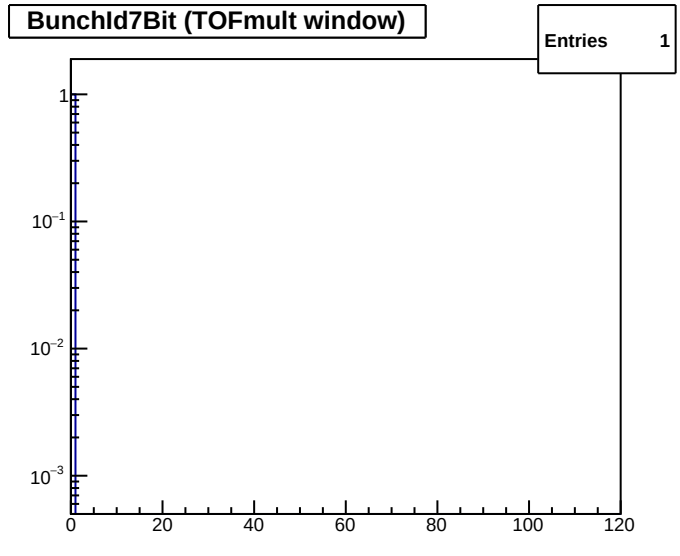

BunchId7Bit (VPD-TAC)
Entries 1518

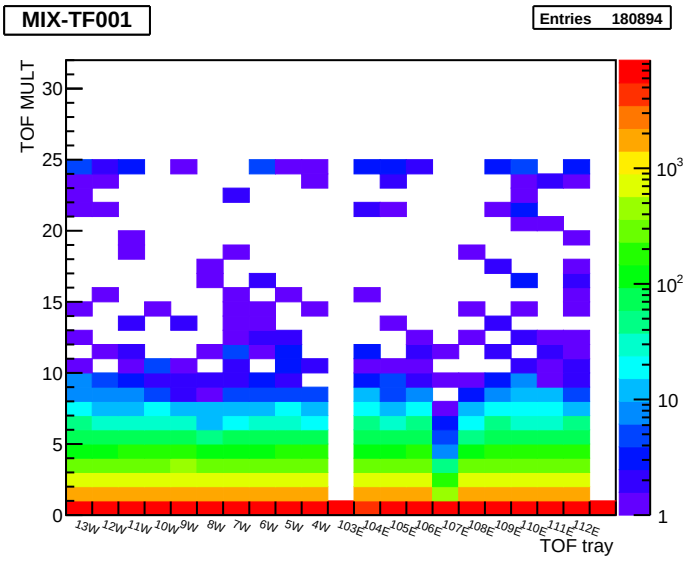

BunchId7Bit (ZDC-TAC)
Entries 17

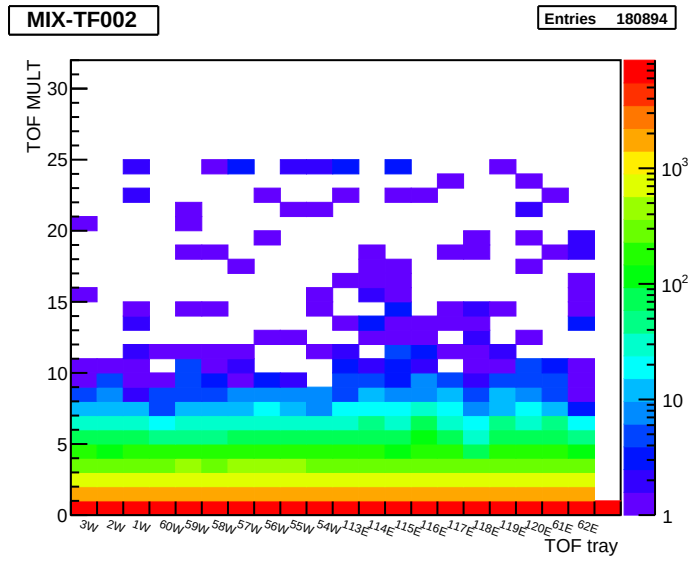

BunchId7Bit (EPD-TAC)
Entries 7885

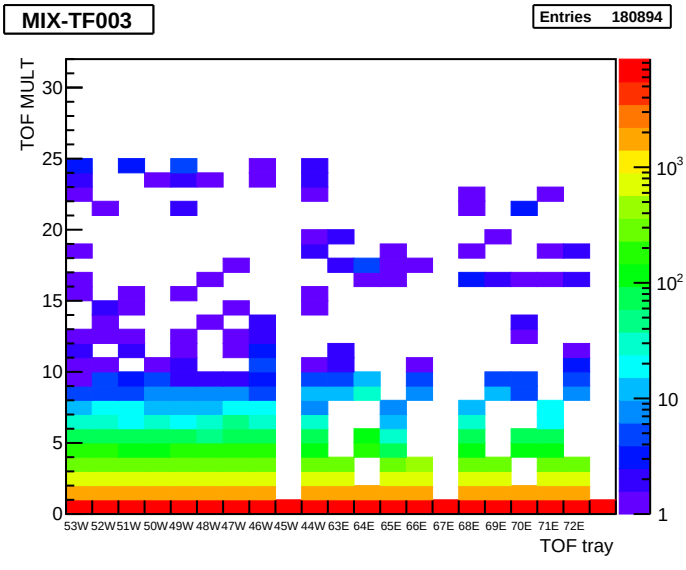

BunchId7Bit (BBC-TAC)
Entries 3685

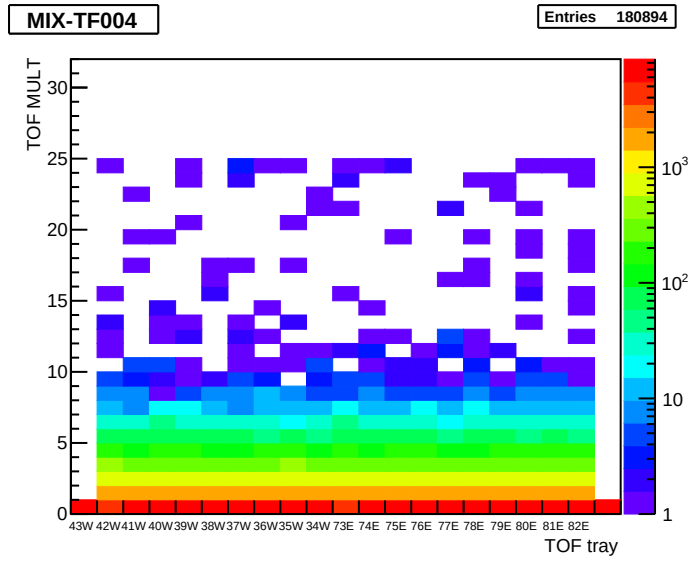

BunchId7Bit (Laser)
Entries 0

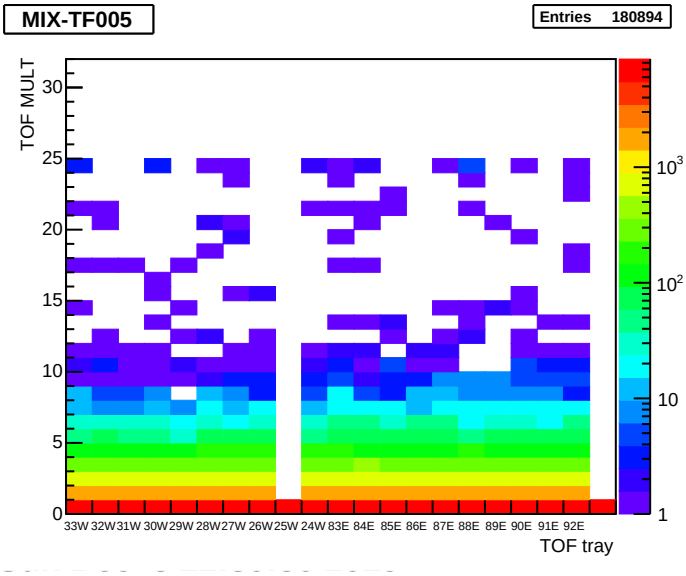

BunchId7Bit (TOFmult window)
Entries 1

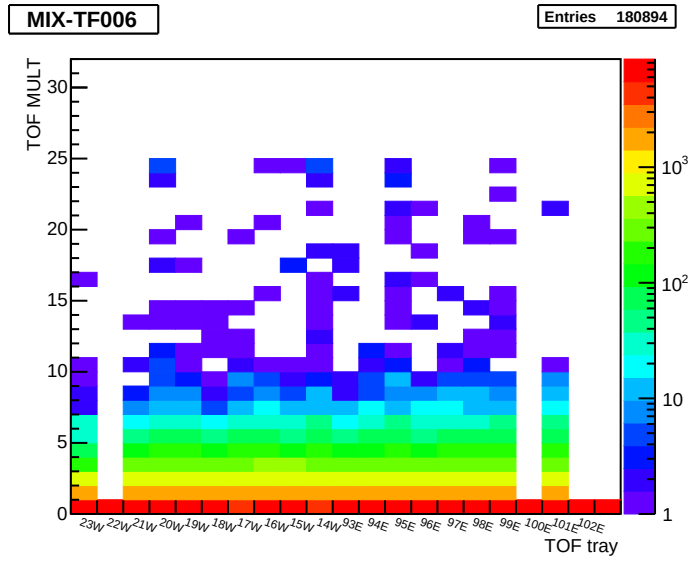

MIX-TF001
Entries 180894
TOF MULT
TOF tray

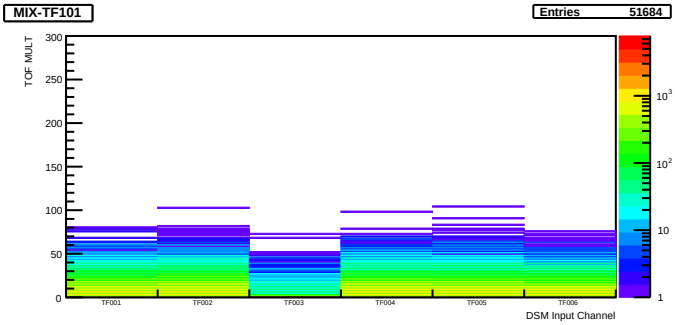

MIX-TF002
Entries 180894
TOF MULT
TOF tray

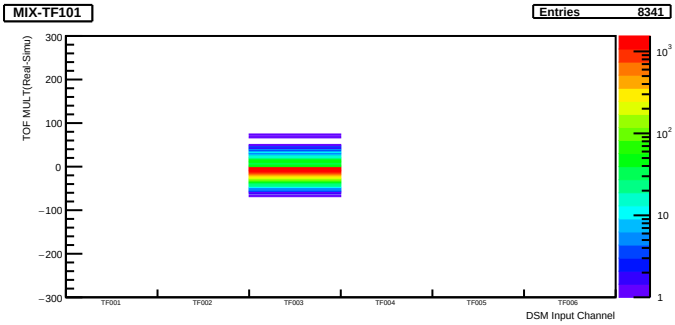

MIX-TF003
Entries 180894
TOF MULT
TOF tray

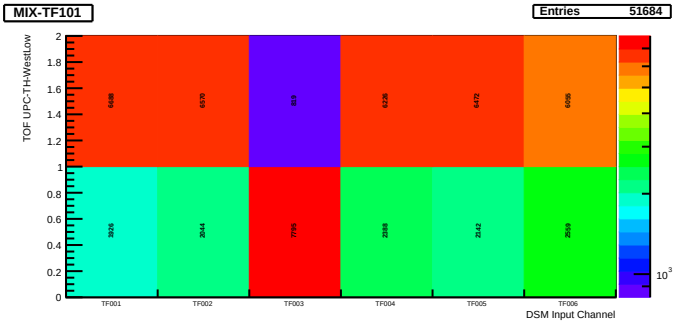

MIX-TF004
Entries 180894
TOF MULT
TOF tray

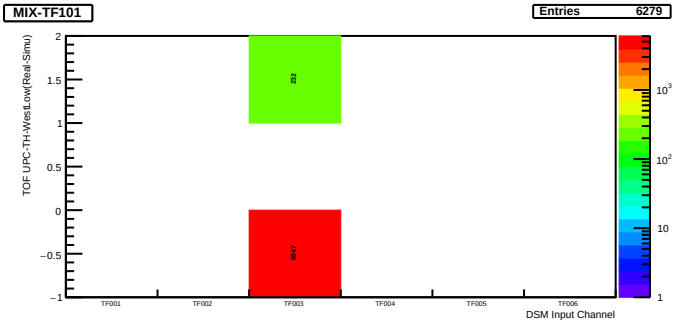

MIX-TF005
Entries 180894
TOF MULT
TOF tray

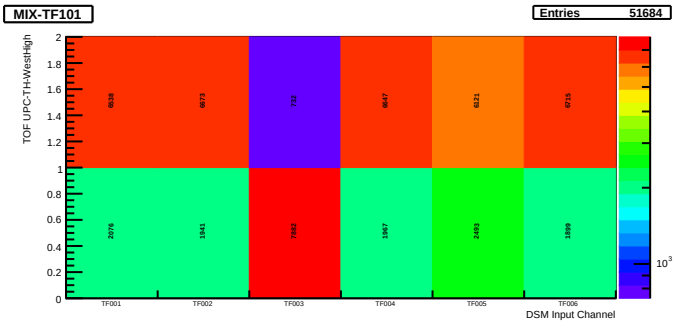

MIX-TF006
Entries 180894
TOF MULT
TOF tray

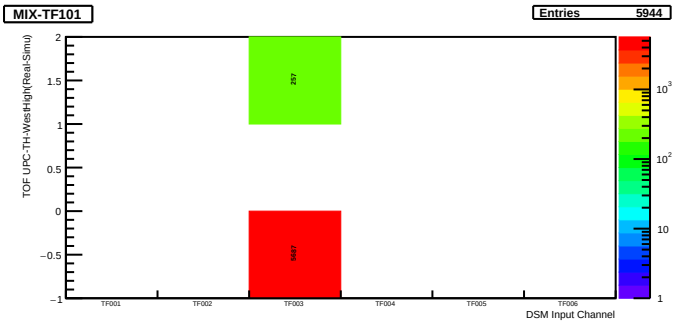

MIX-TF101
Entries 51684
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

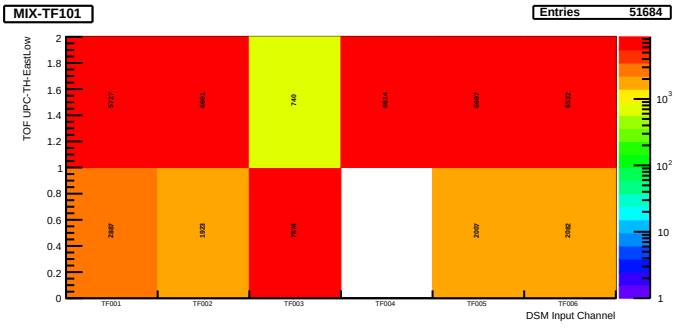

MIX-TF101
Entries 8341
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

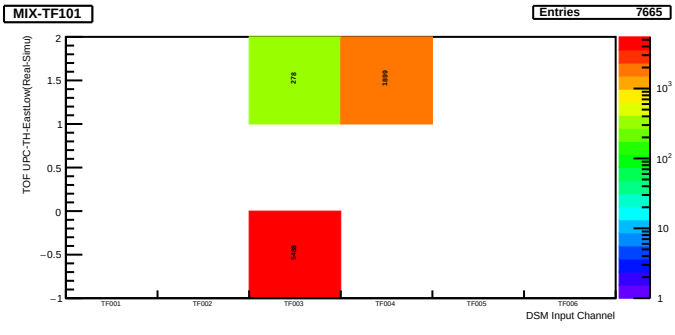

MIX-TF101
Entries 51684
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

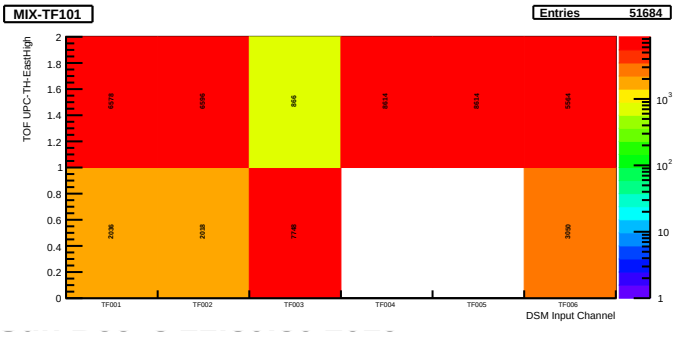

MIX-TF101
Entries 6279
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

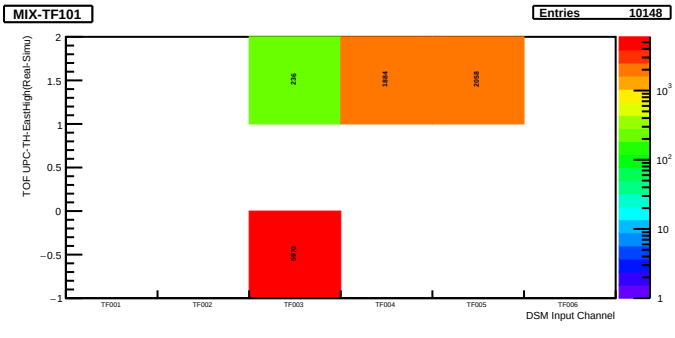

MIX-TF101
Entries 51684
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

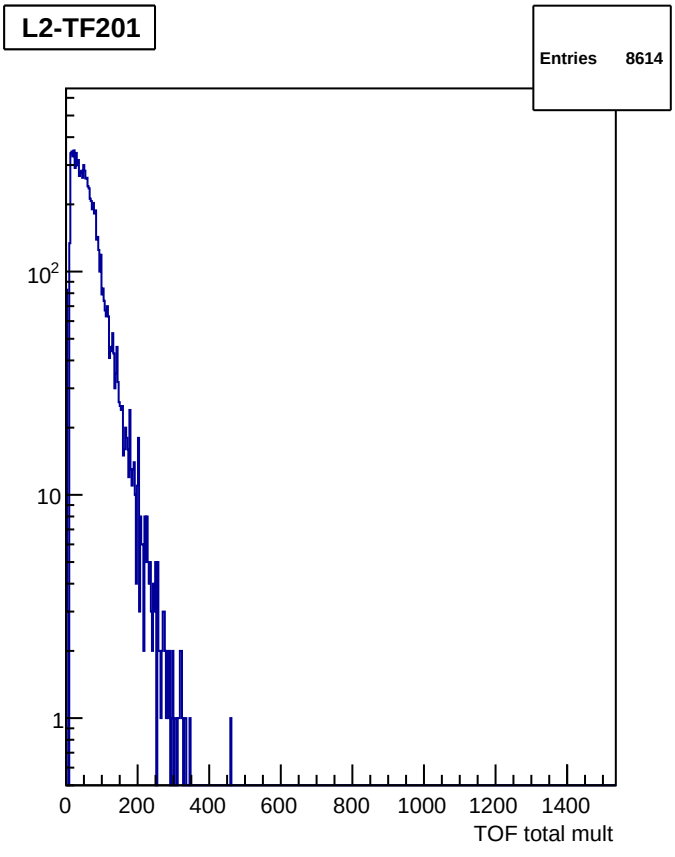

MIX-TF101
Entries 5944
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

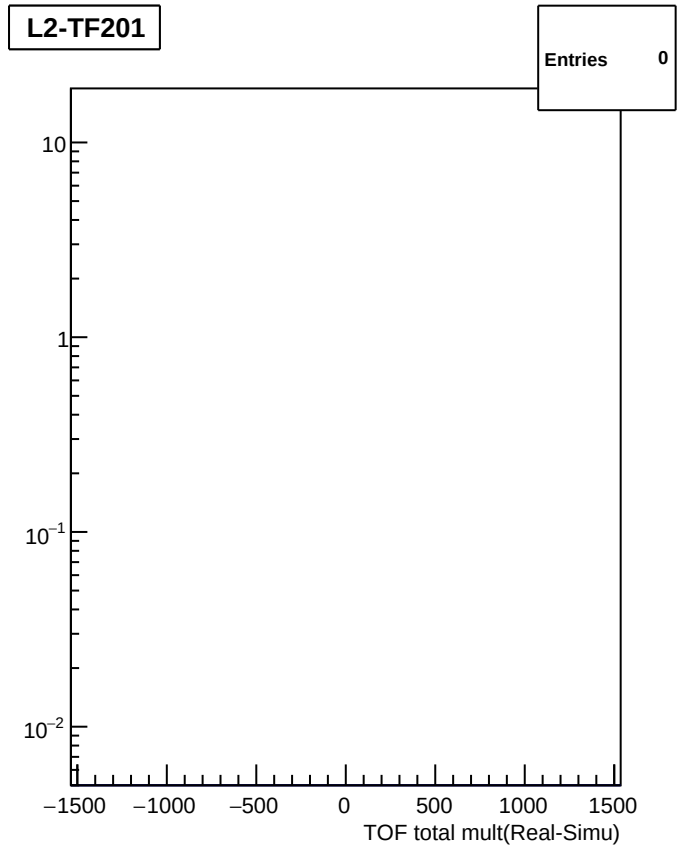

MIX-TF101
Entries 51684
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

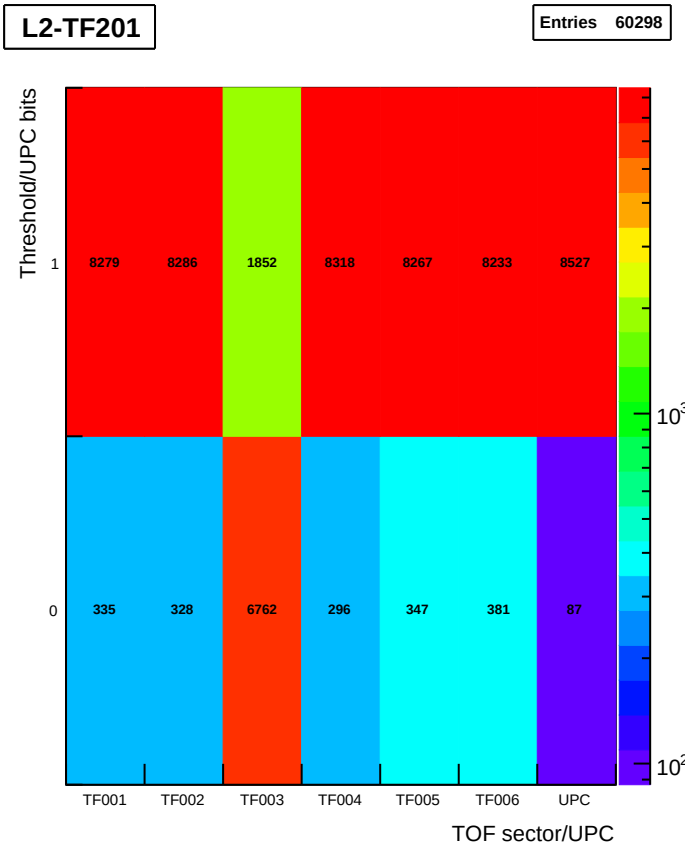

MIX-TF101
Entries 7665
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

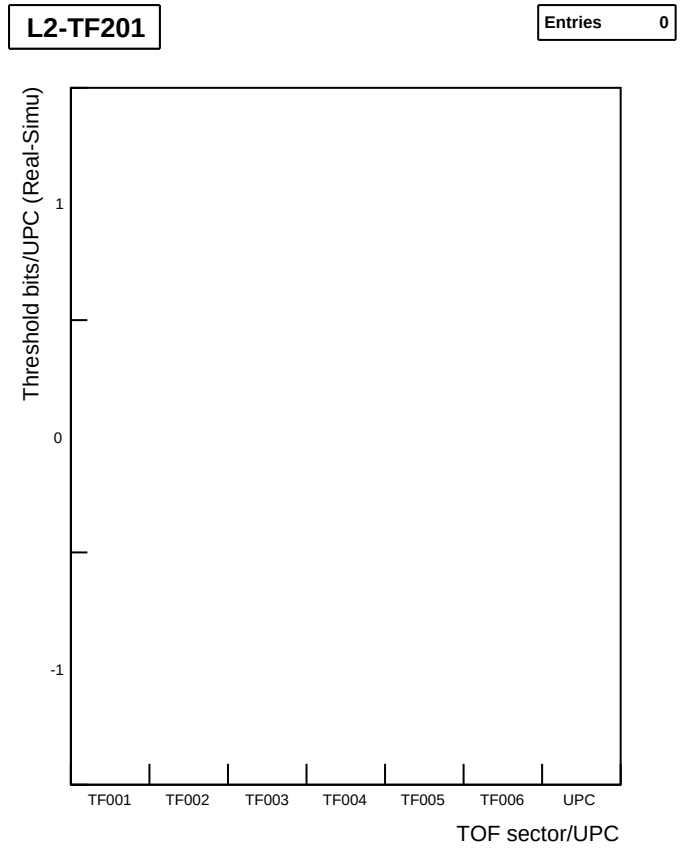

MIX-TF101
Entries 51684
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

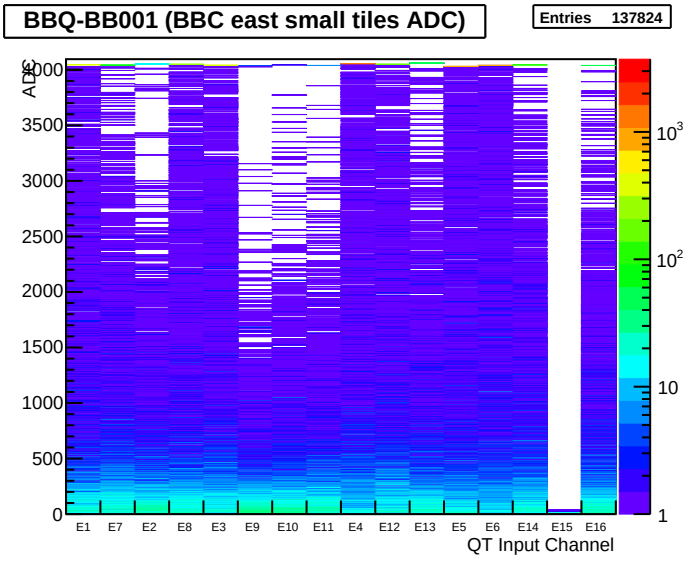

MIX-TF101
Entries 10148
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

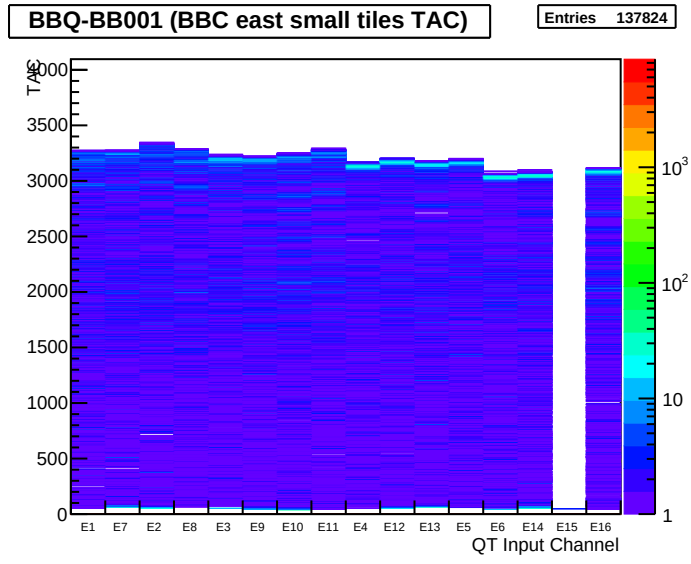

L2-TF201
Entries 8614
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

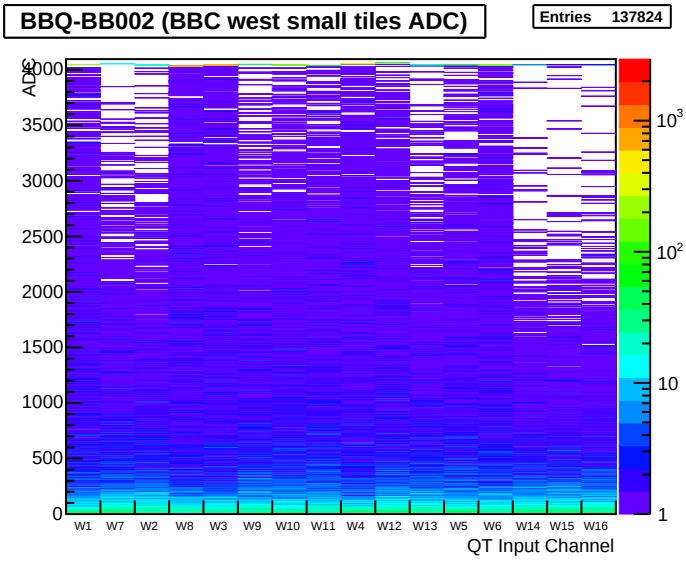

L2-TF201
Entries 0
10
1
$10^{-1}$
$10^{-2}$
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

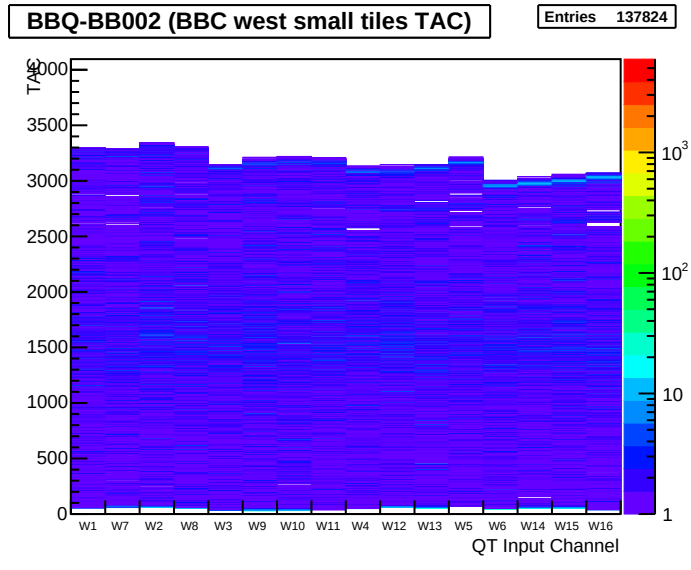

L2-TF201
Entries 60298
Threshold/UPC bits
1
0
8279
8286
1852
8318
8267
8233
8527
335
328
6762
296
347
381
87
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

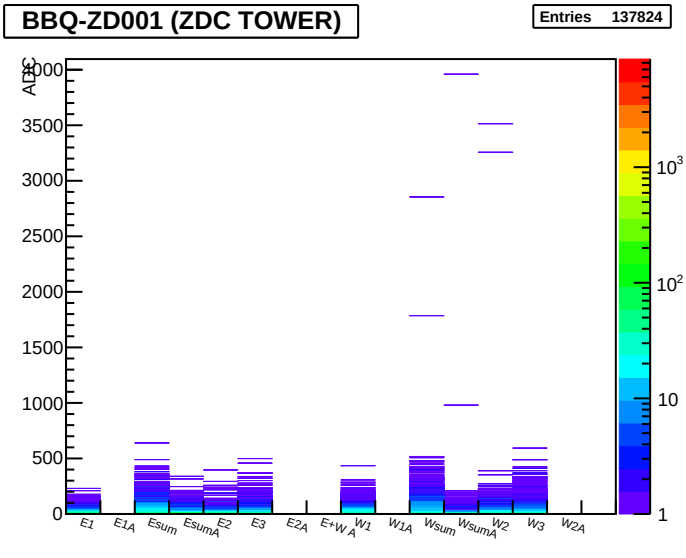

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

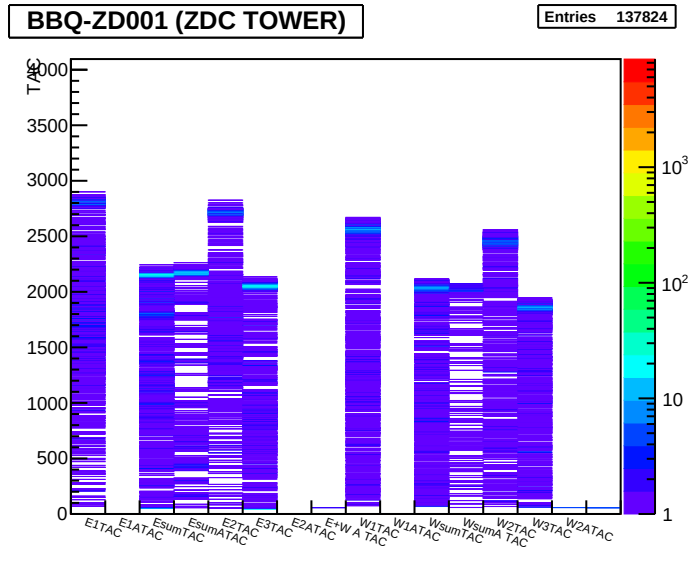

BBQ-BB001 (BBC east small tiles ADC)
Entries 137824
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

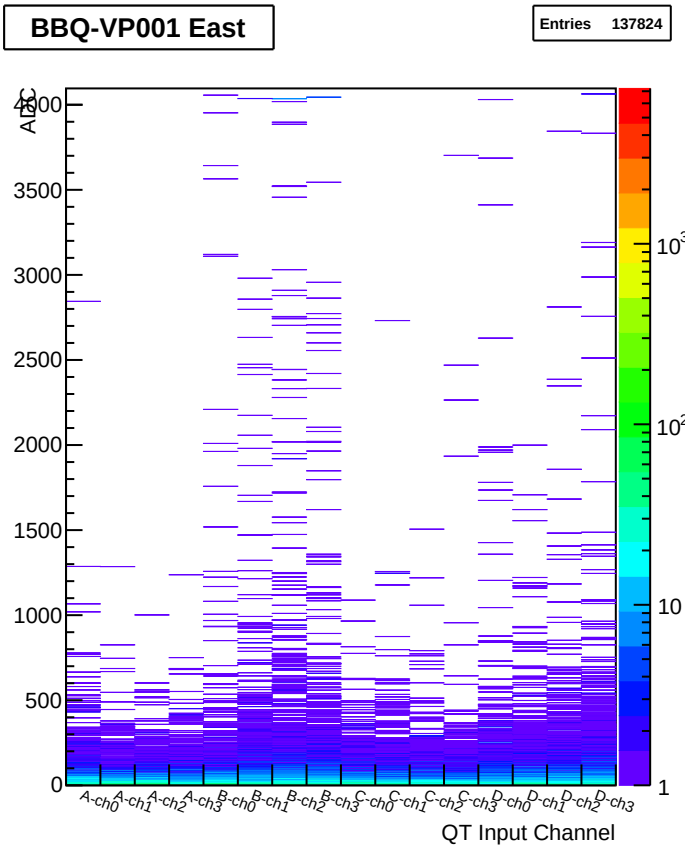

BBQ-BB001 (BBC east small tiles TAC)
Entries 137824
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

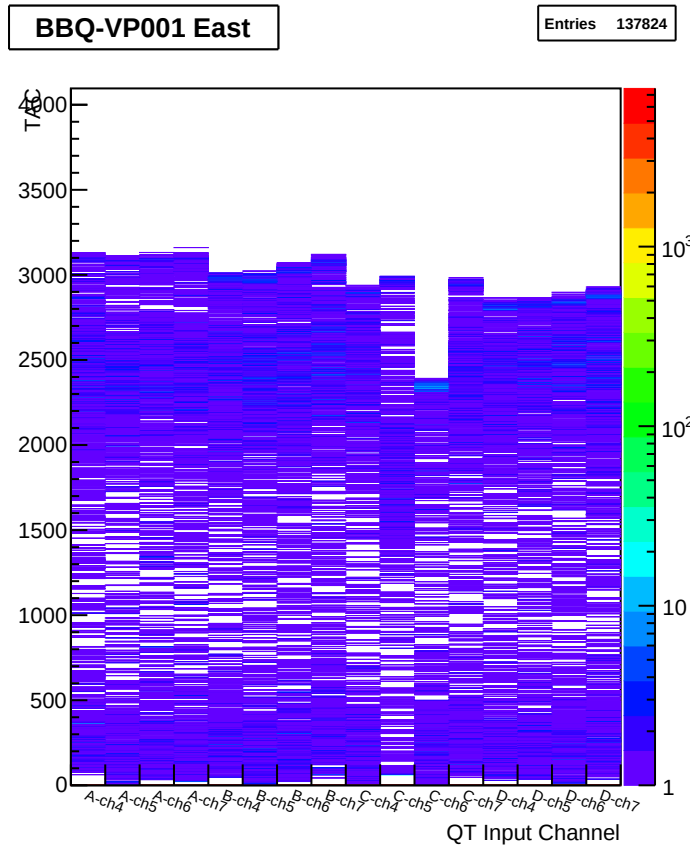

BBQ-BB002 (BBC west small tiles ADC)
Entries 137824
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

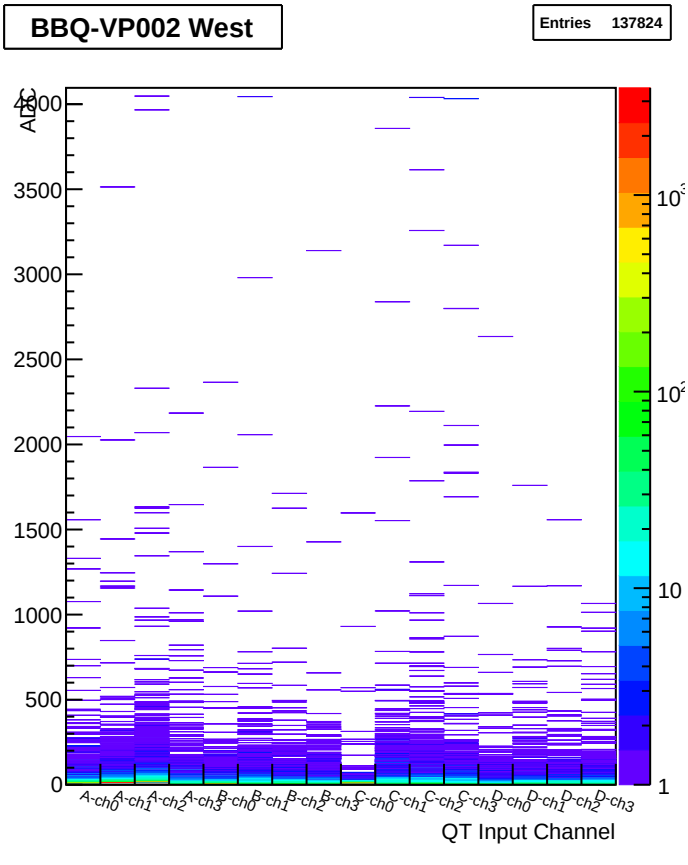

BBQ-BB002 (BBC west small tiles TAC)
Entries 137824
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

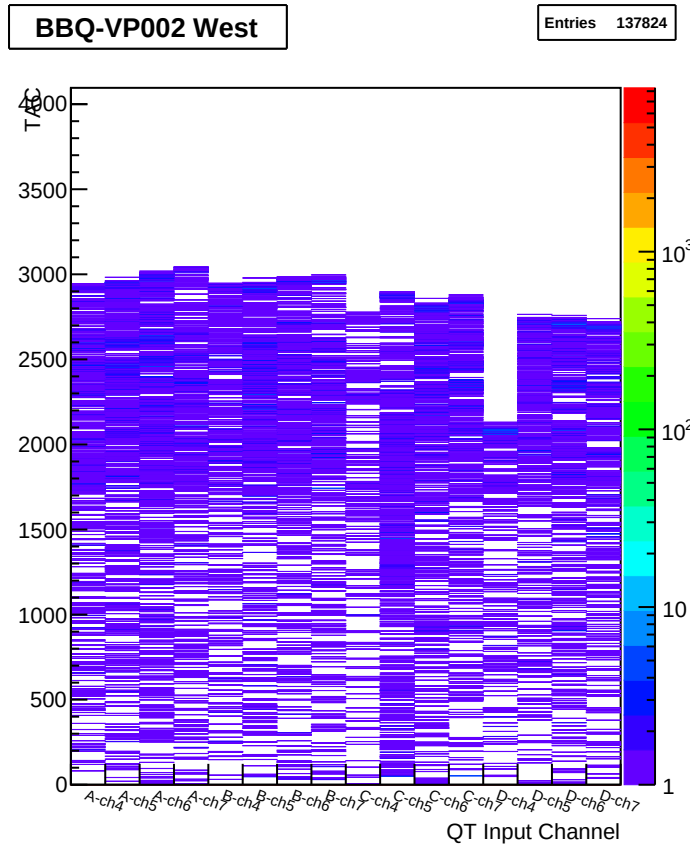

BBQ-ZD001 (ZDC TOWER)
Entries 137824
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

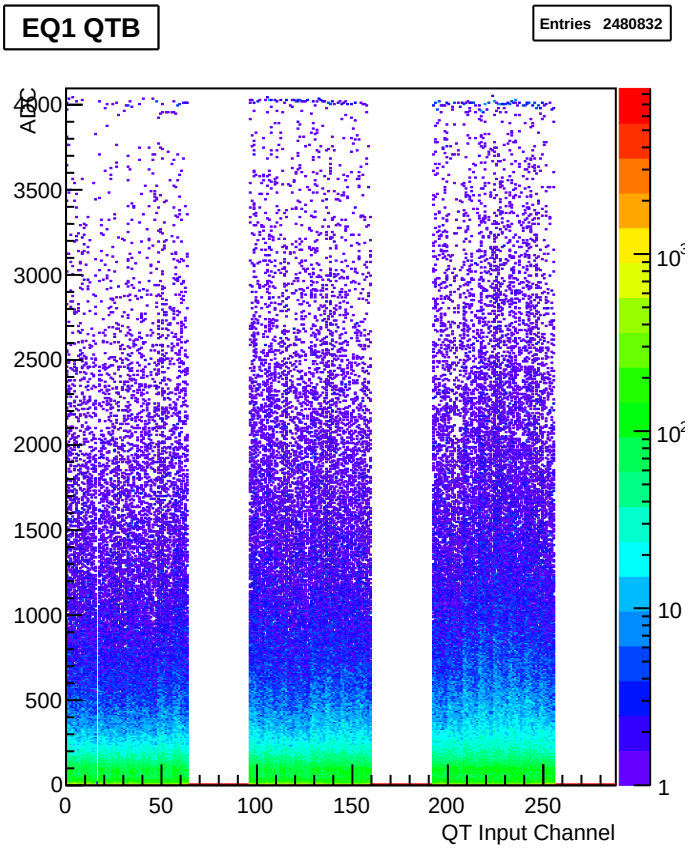

BBQ-ZD001 (ZDC TOWER)
Entries 137824
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

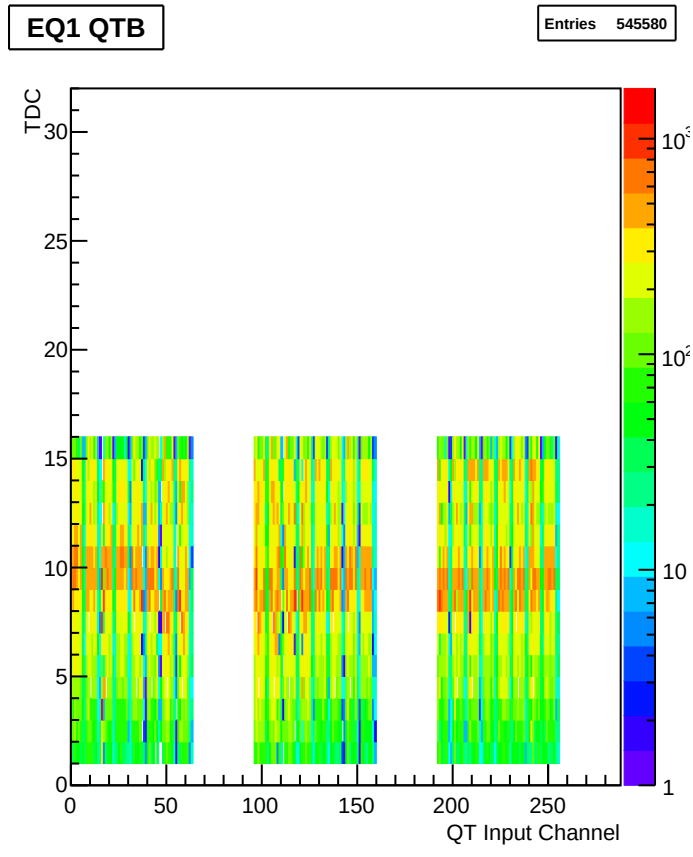

BBQ-VP001 East
Entries 137824
ADC
QT Input Channel

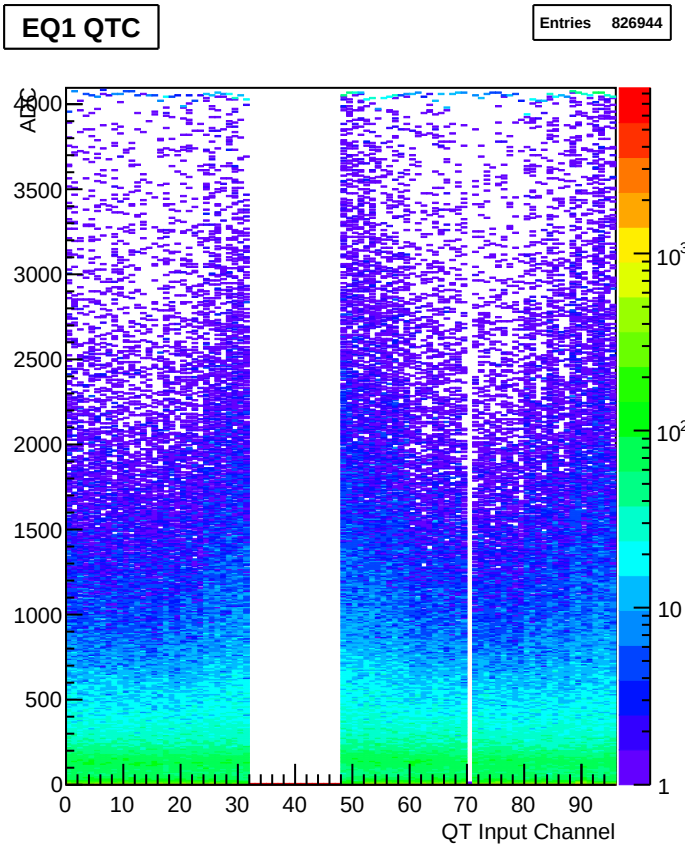

BBQ-VP001 East
Entries 137824
TADC
QT Input Channel

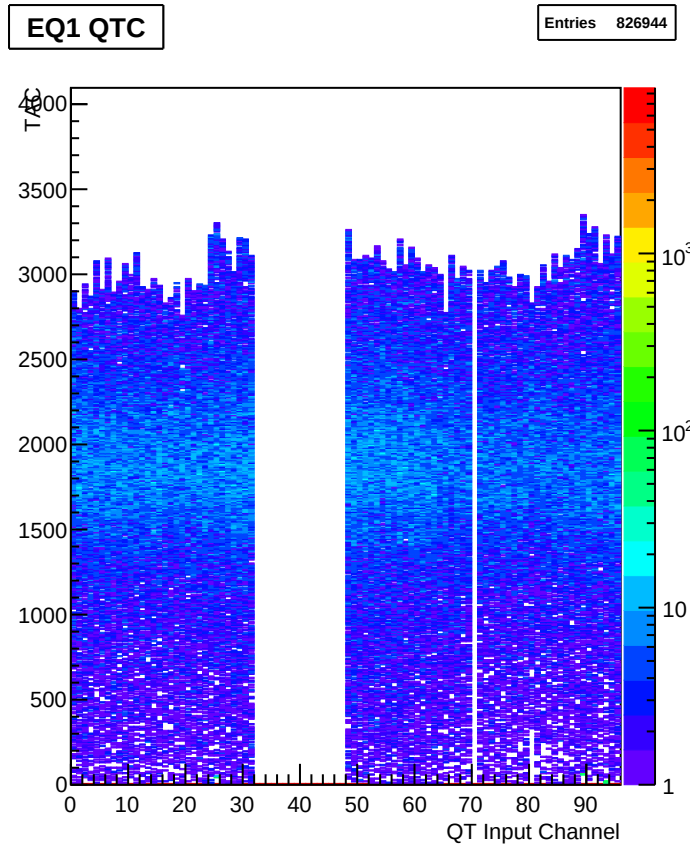

BBQ-VP002 West
Entries 137824
ADC
QT Input Channel

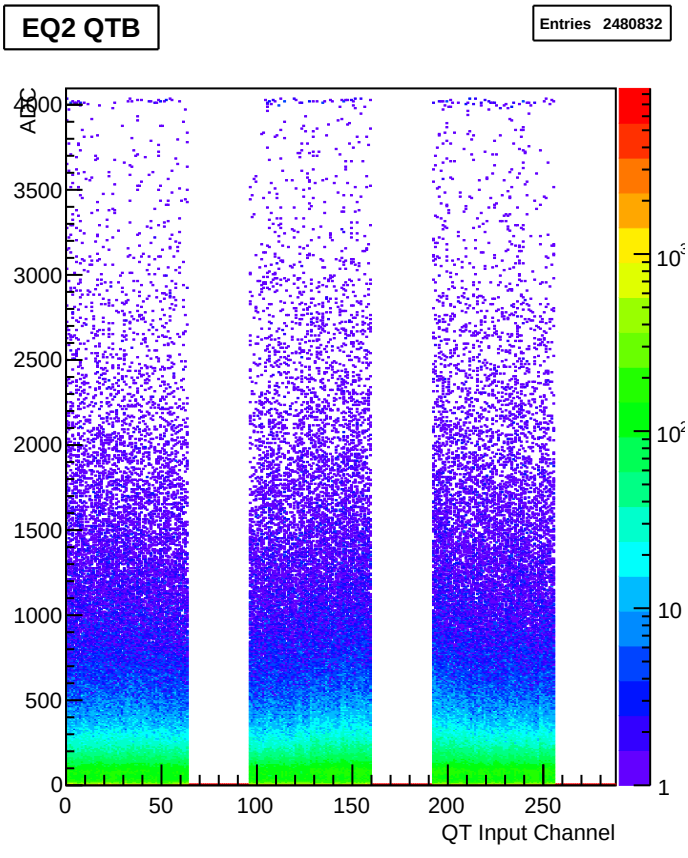

BBQ-VP002 West
Entries 137824
TADC
QT Input Channel

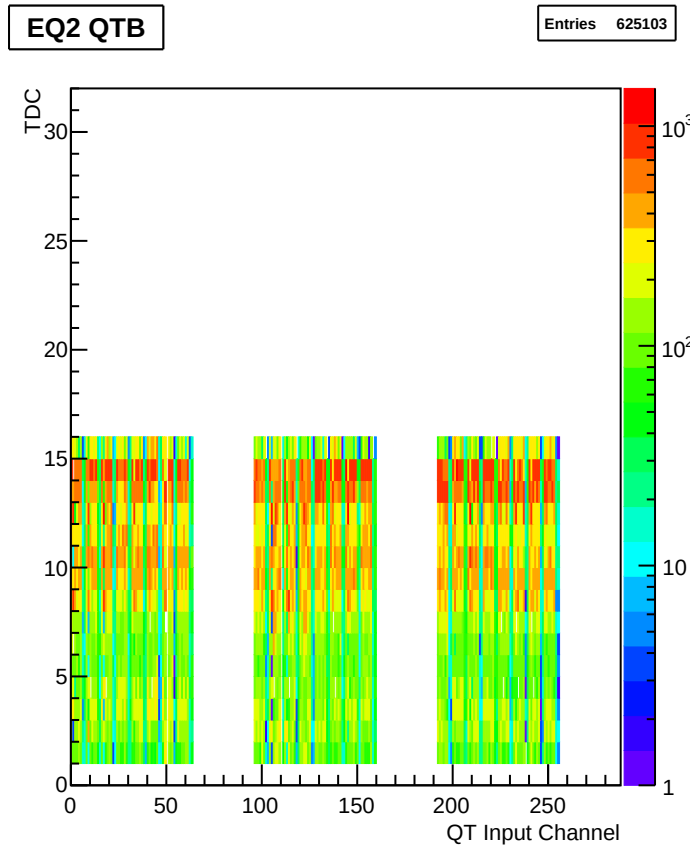

EQ1 QTB
Entries 2480832
ADC
QT Input Channel

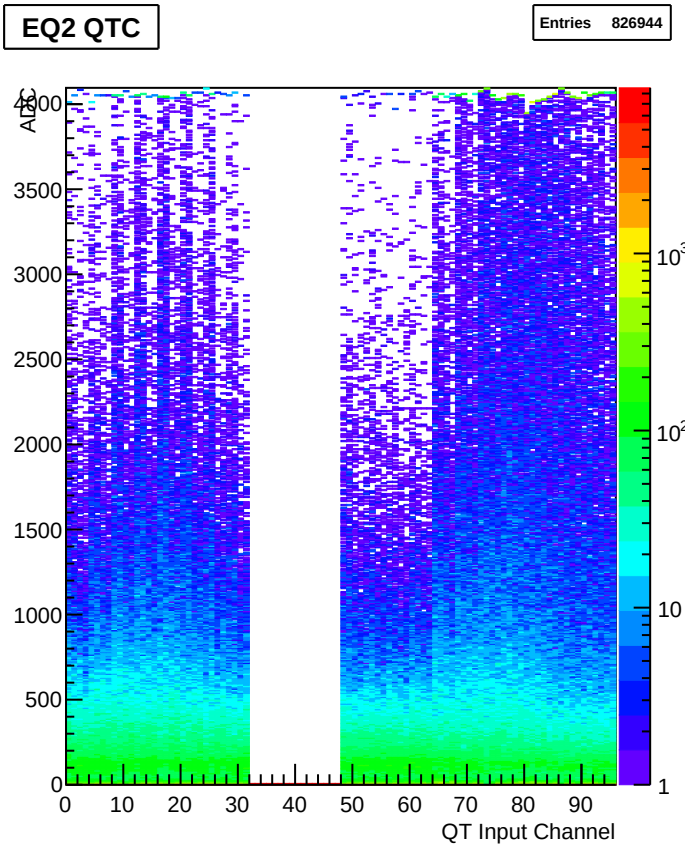

EQ1 QTB
Entries 545580
TDC
QT Input Channel

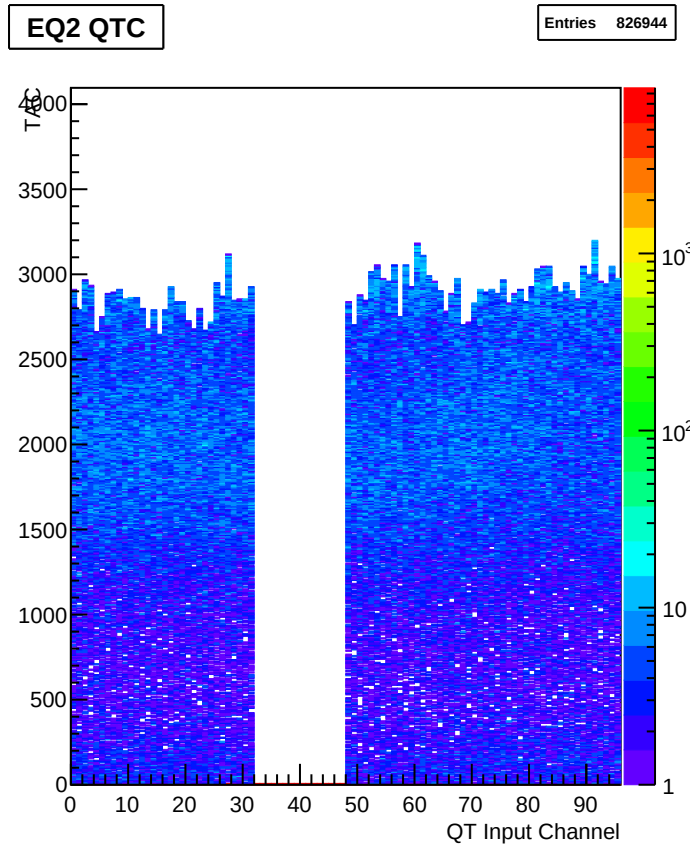

EQ1 QTC
Entries 826944
ADC
QT Input Channel

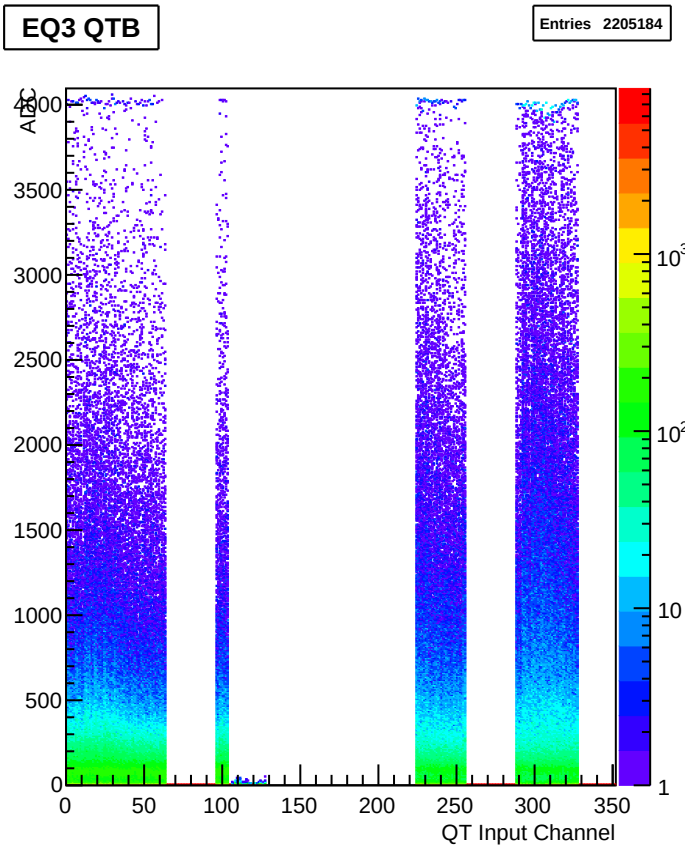

EQ1 QTC
Entries 826944
TADC
QT Input Channel

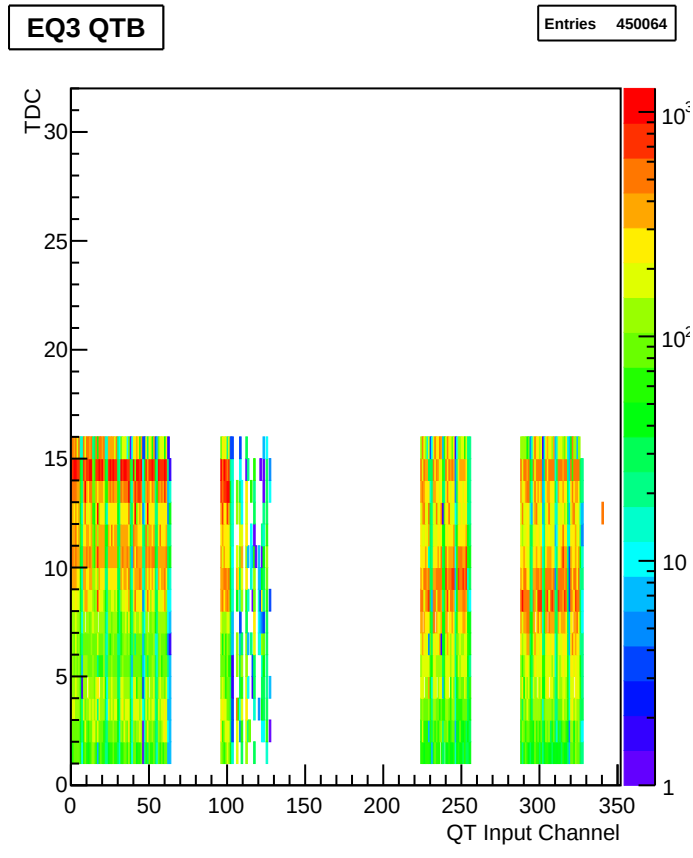

EQ2 QTB
Entries 2480832
ADC
QT Input Channel

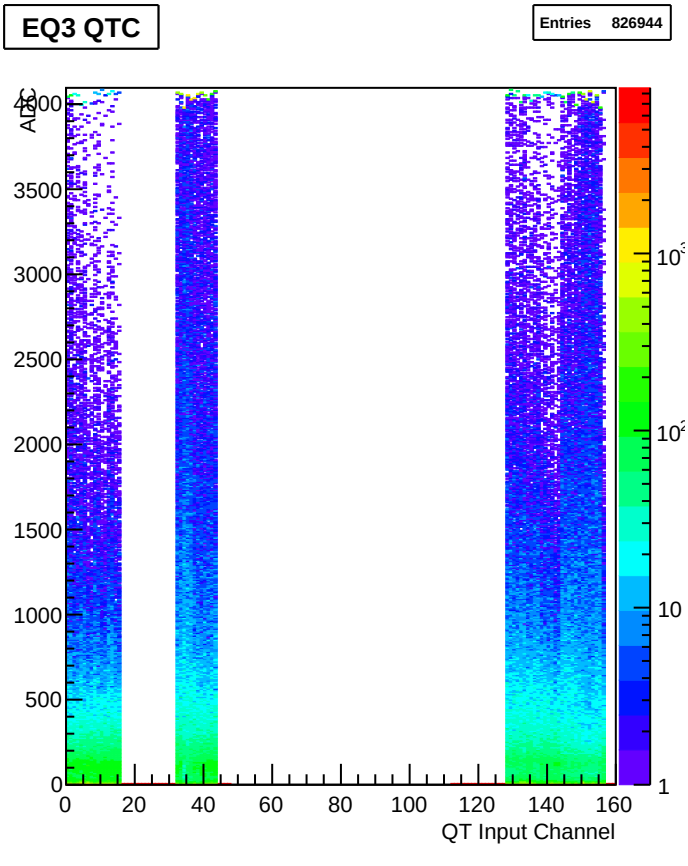

EQ2 QTB
Entries 625103
TDC
QT Input Channel

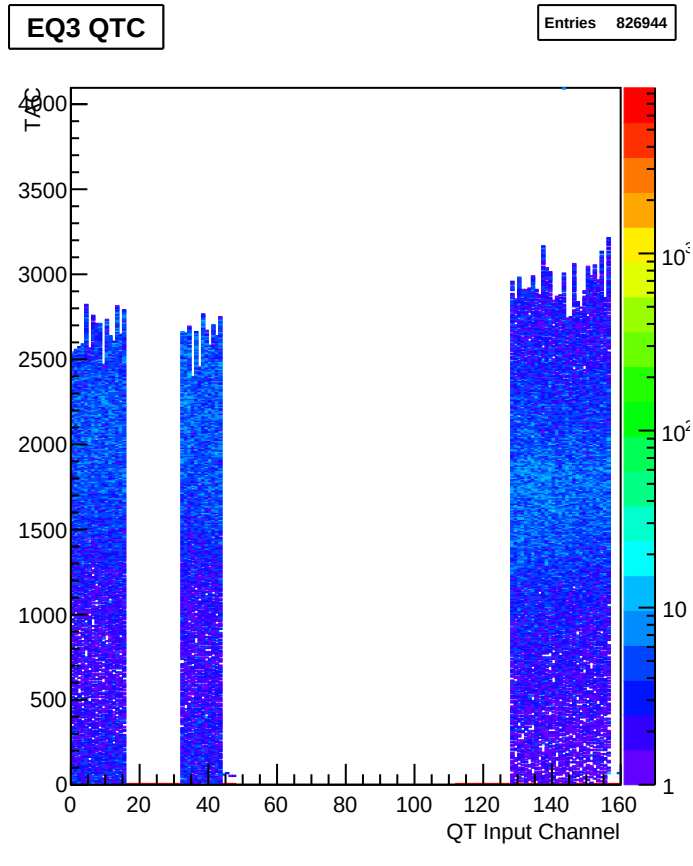

EQ2 QTC
Entries 826944
ADC
QT Input Channel

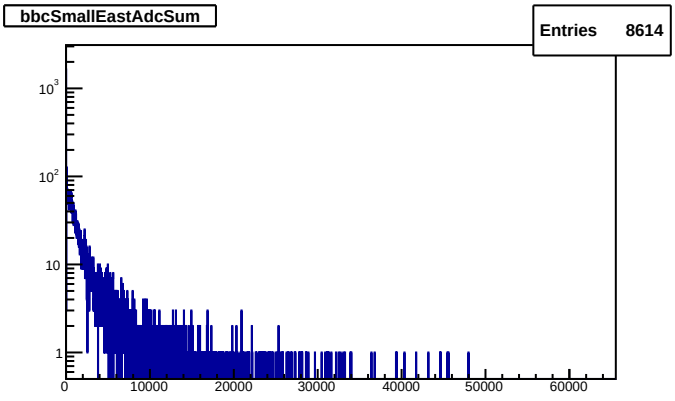

EQ2 QTC
Entries 826944
TADC
QT Input Channel

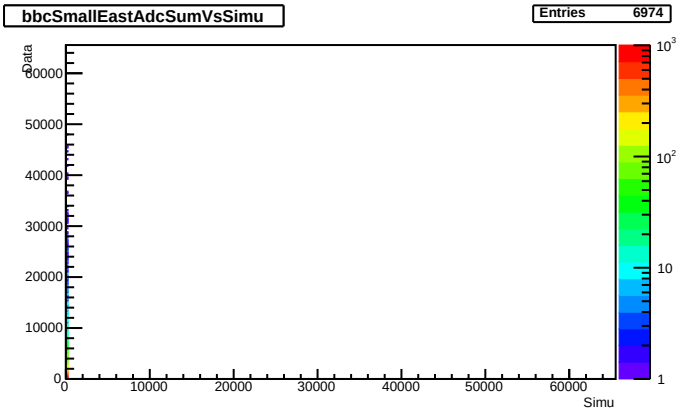

EQ3 QTB
Entries 2205184
ADC
QT Input Channel

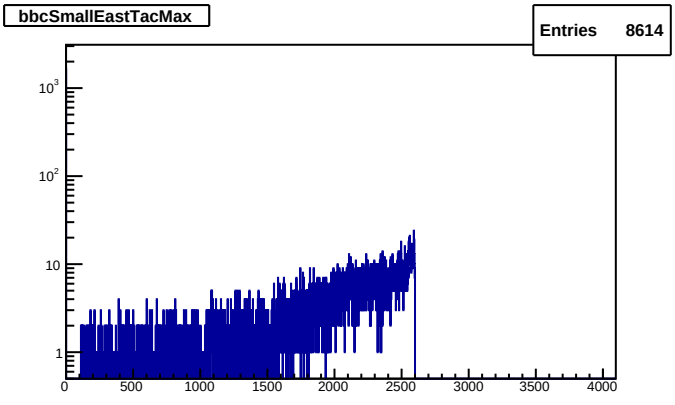

EQ3 QTB
Entries 450064
TDC
QT Input Channel

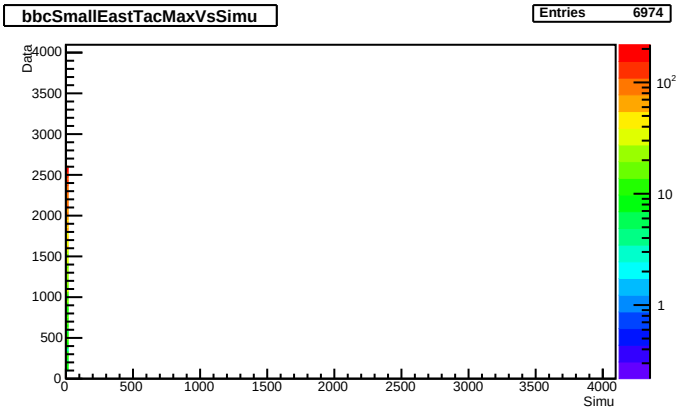

EQ3 QTC
Entries 826944
ADC
QT Input Channel

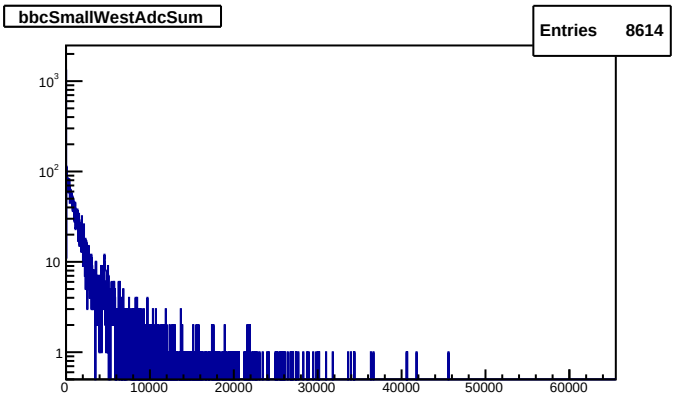

EQ3 QTC
Entries 826944
TADC
QT Input Channel

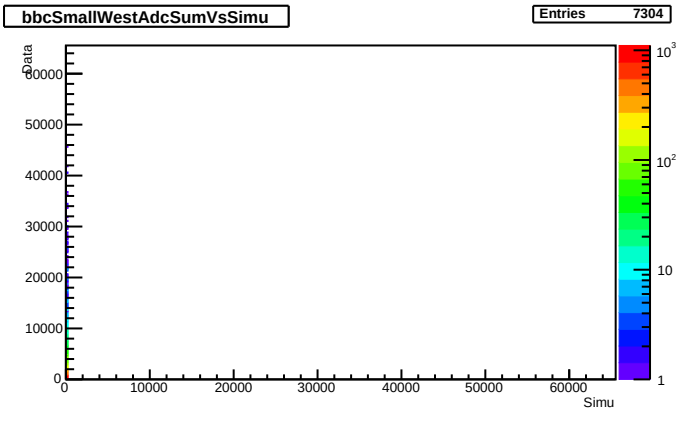

bbcSmallEastAdcSum
Entries 8614

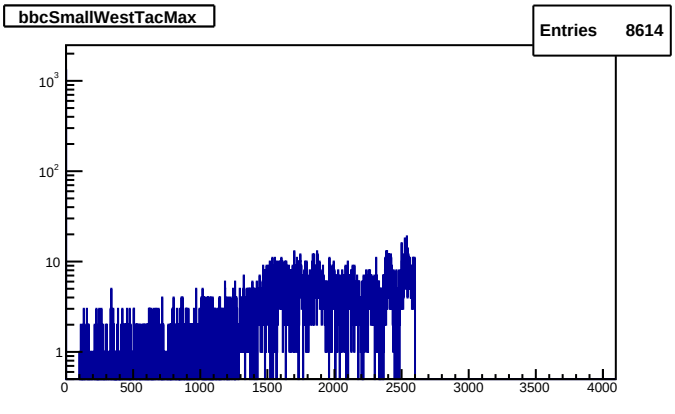

bbcSmallEastAdcSumVsSimu
Entries 6974
Data
Simu

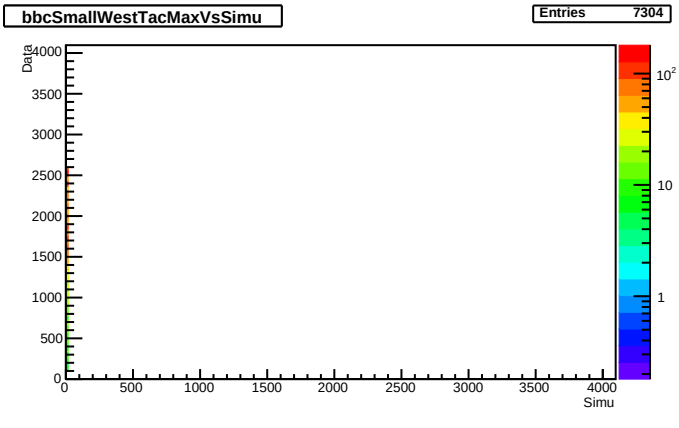

bbcSmallEastTacMax
Entries 8614

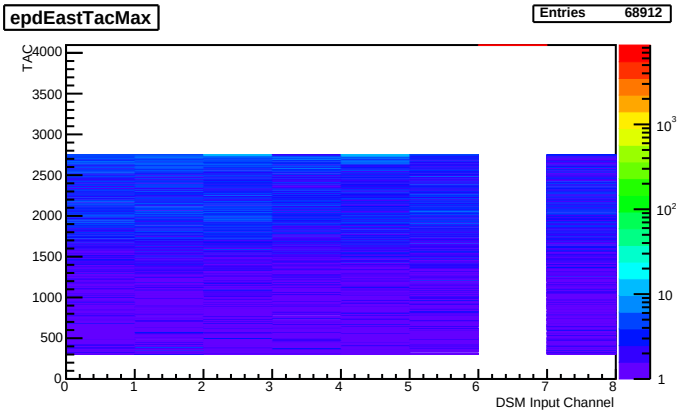

bbcSmallEastTacMaxVsSimu
Entries 6974
Data
Simu

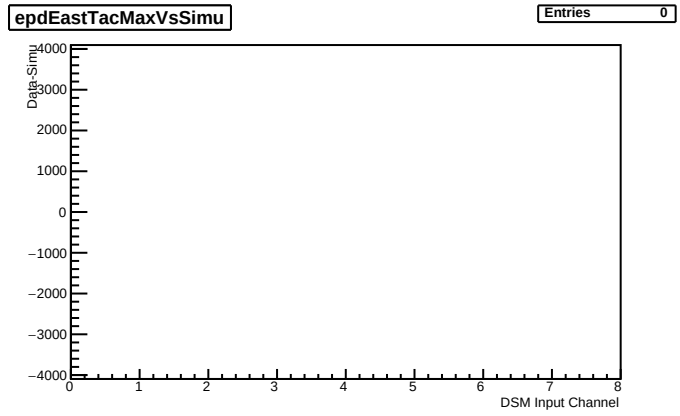

bbcSmallWestAdcSum
Entries 8614

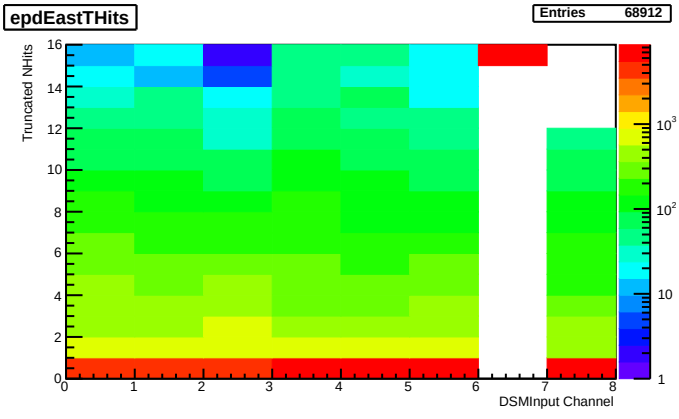

bbcSmallWestAdcSumVsSimu
Entries 7304
Data
Simu

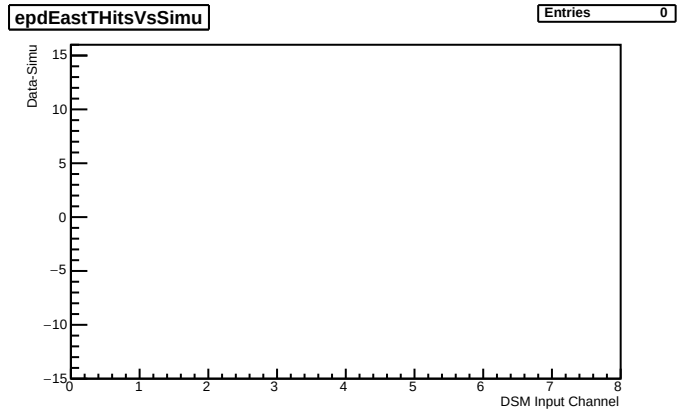

bbcSmallWestTacMax
Entries 8614

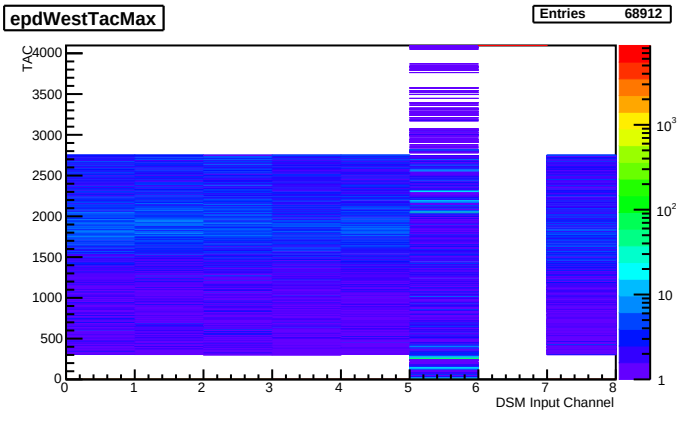

bbcSmallWestTacMaxVsSimu
Entries 7304
Data
Simu

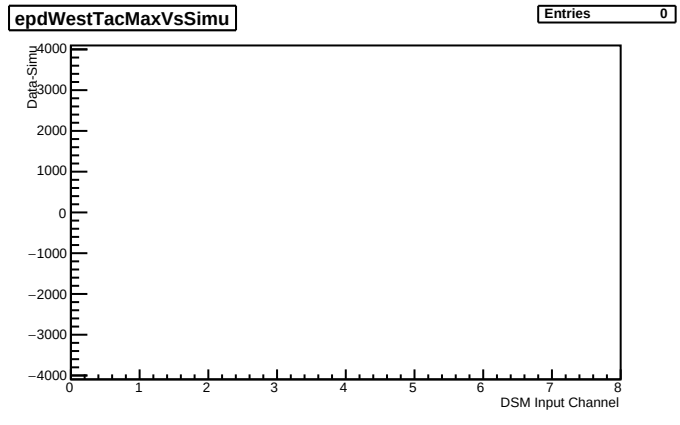

epdEastTacMax
Entries 68912
TAC
DSM Input Channel

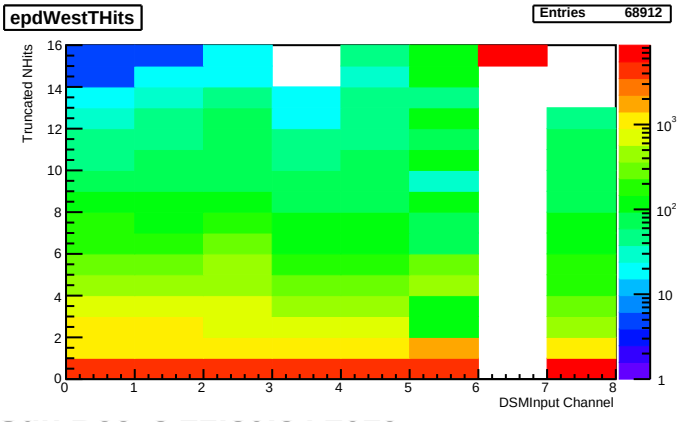

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

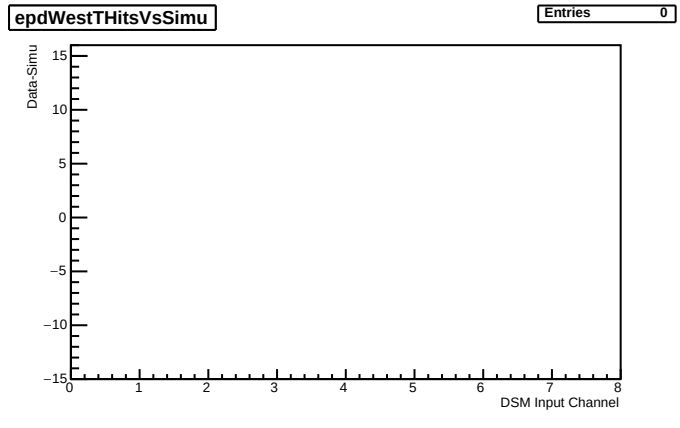

epdEastTHits
Entries 68912
Truncated NHits
DSMInput Channel

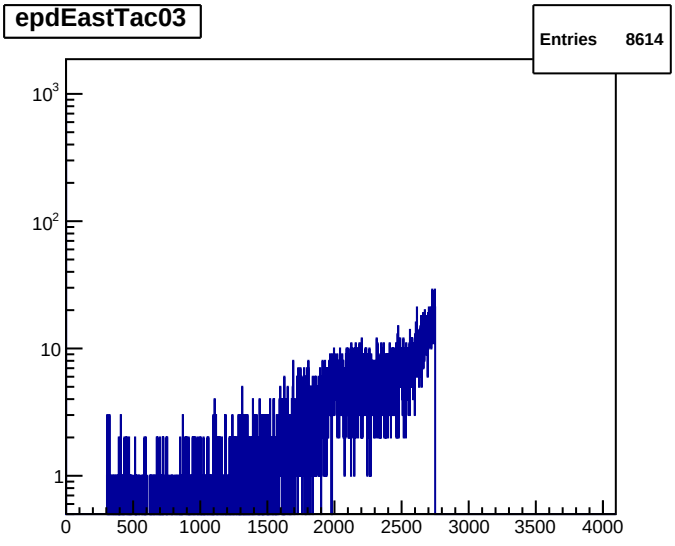

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

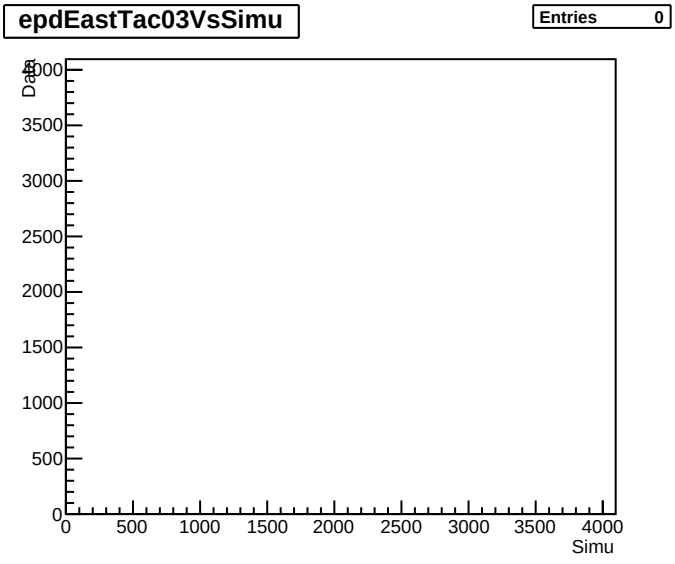

epdWestTacMax
Entries 68912
TAC
DSM Input Channel

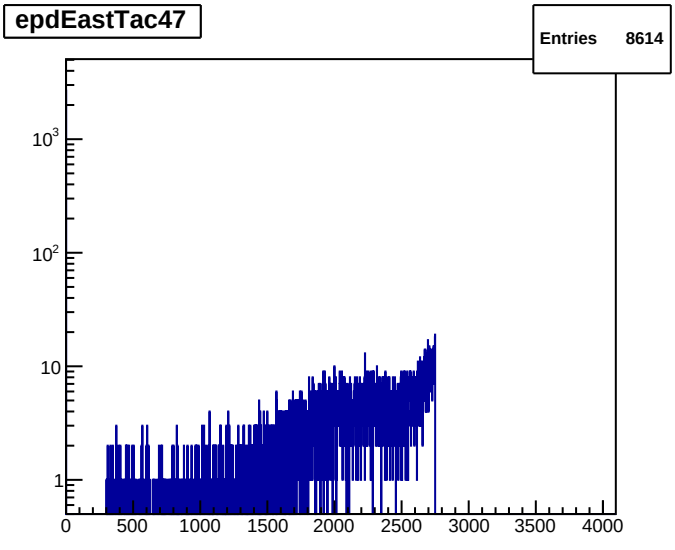

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

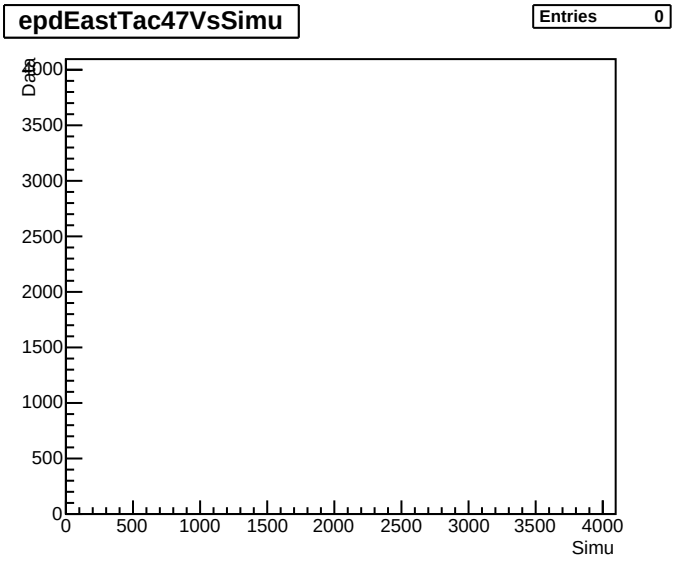

epdWestTHits
Entries 68912
Truncated NHits
DSMInput Channel

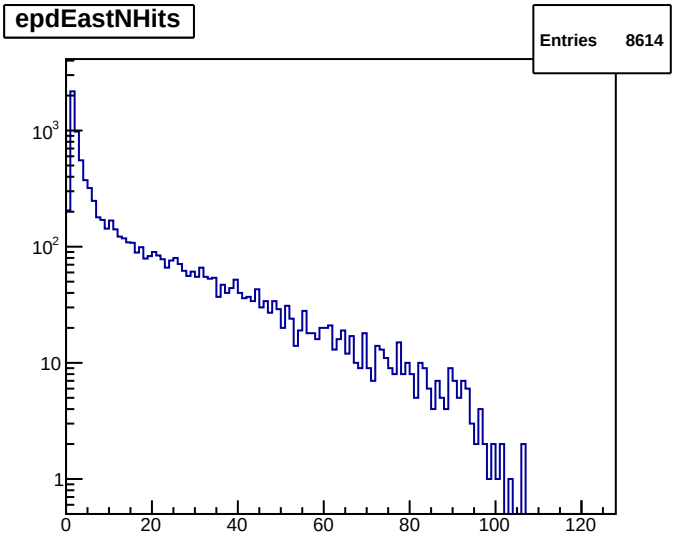

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

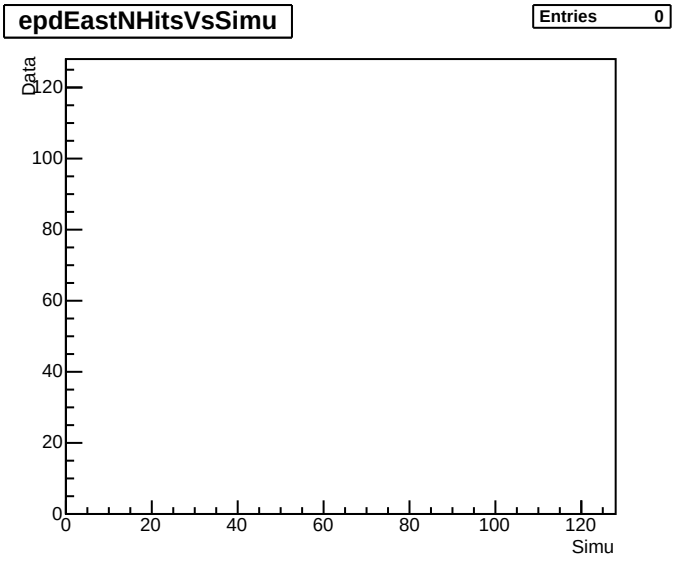

epdEastTac03
Entries 8614

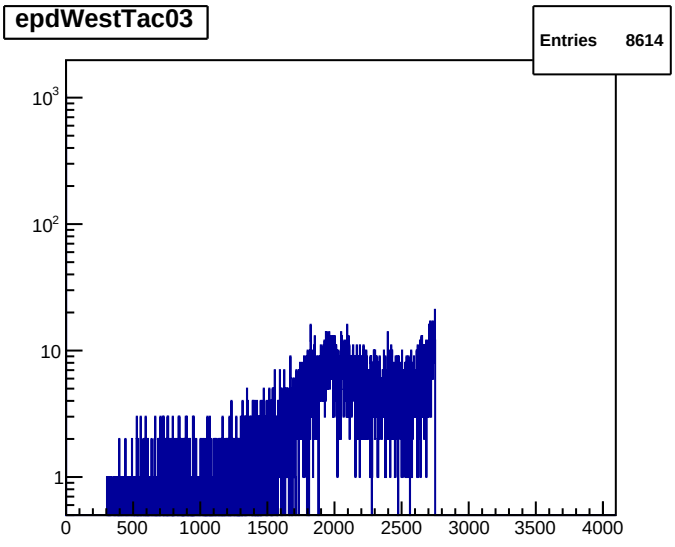

epdEastTac03VsSimu
Entries 0
Data
Simu

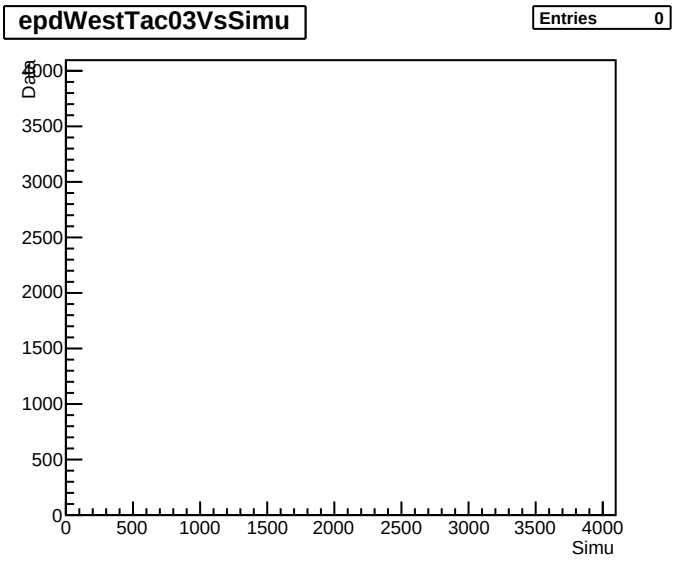

epdEastTac47
Entries 8614


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 8614


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 8614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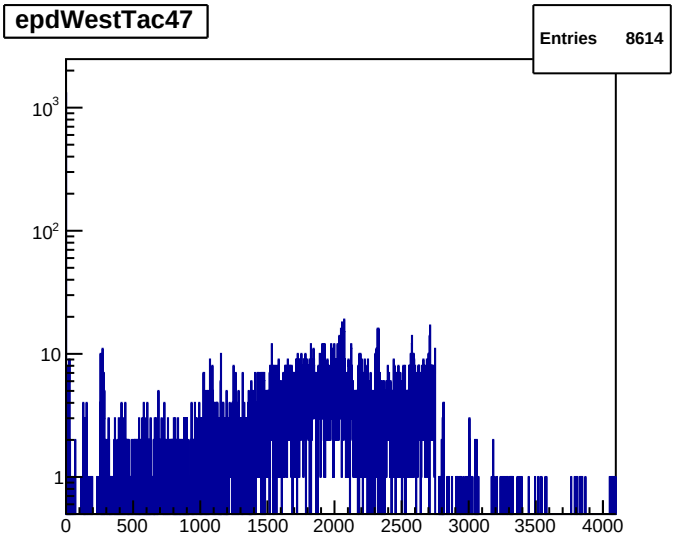
Entries 0
Data
Simu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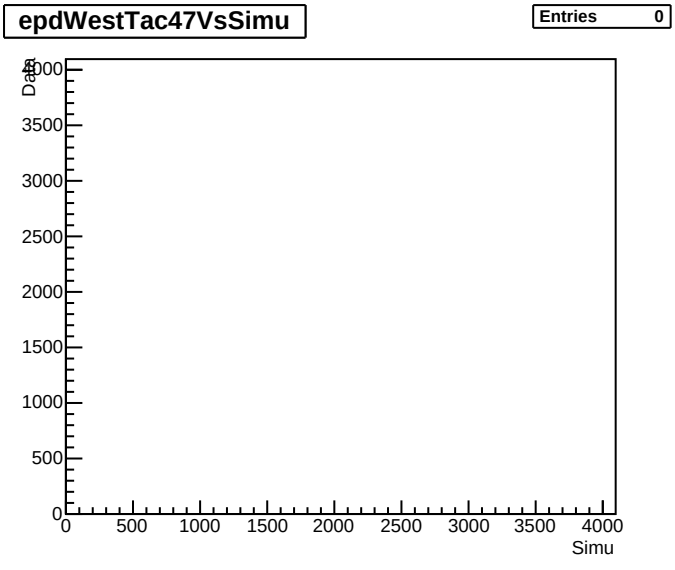
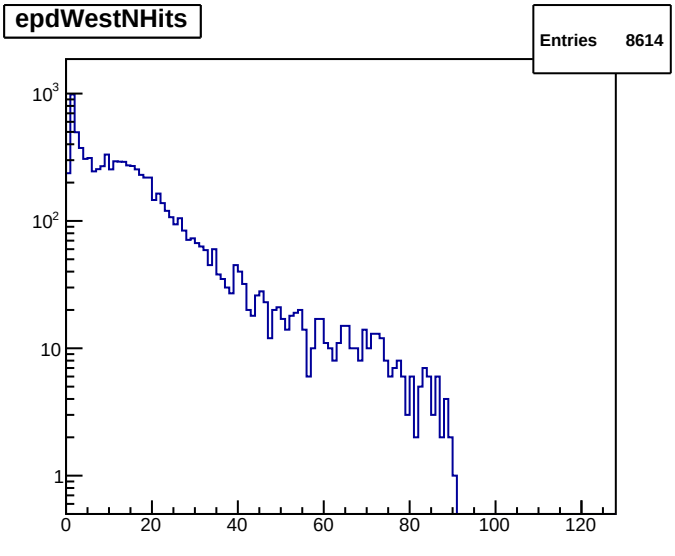
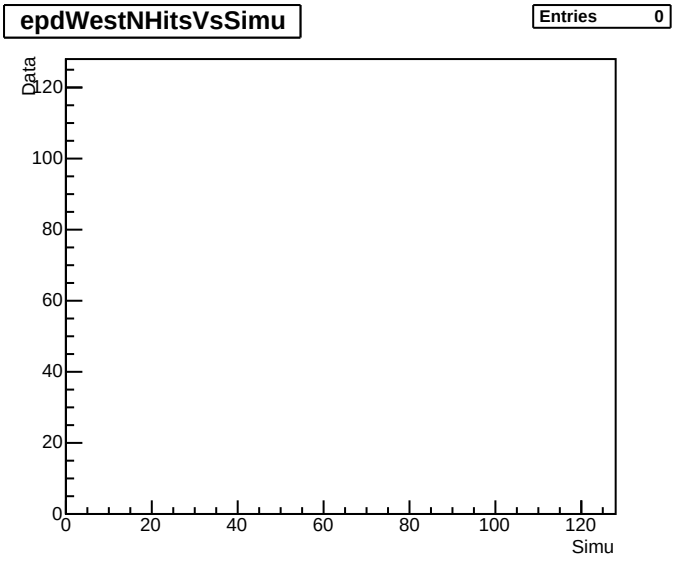
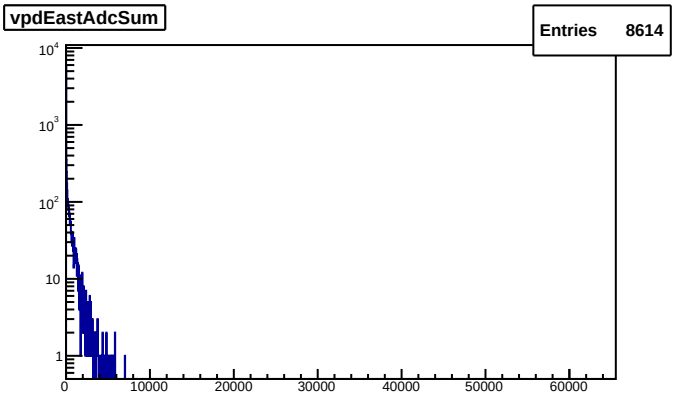
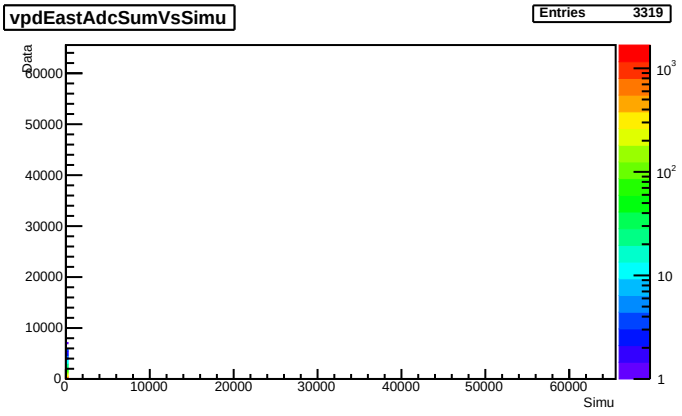
Entries 8614

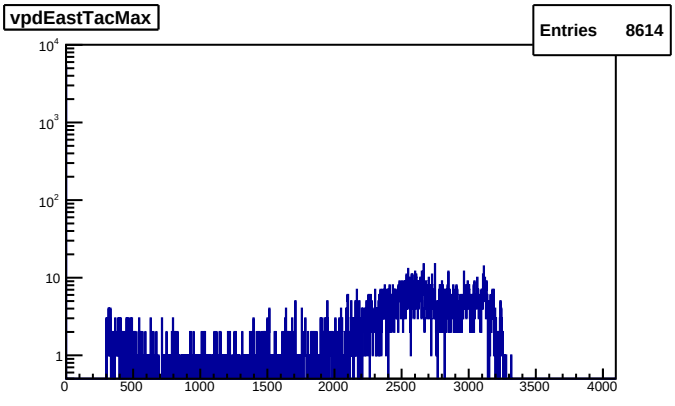

epdWestTac47VsSimu
Entries 0
Data
Simu

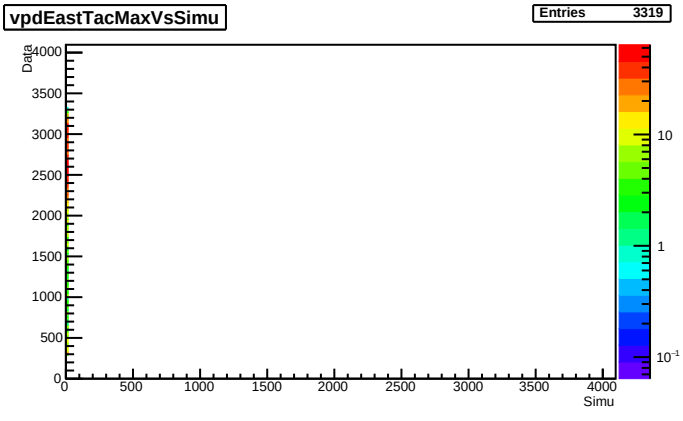

epdWestNHits
Entries 8614

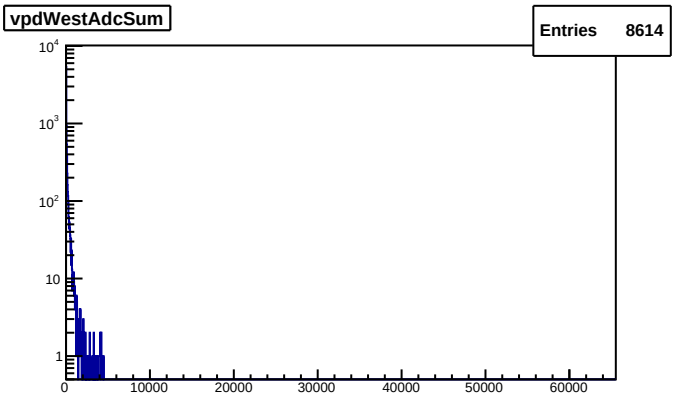

epdWestNHitsVsSimu
Entries 0
Data
Simu

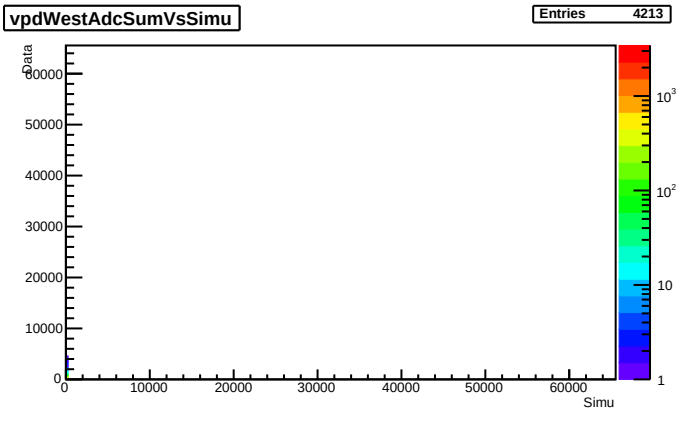

vpdEastAdcSum
Entries 8614

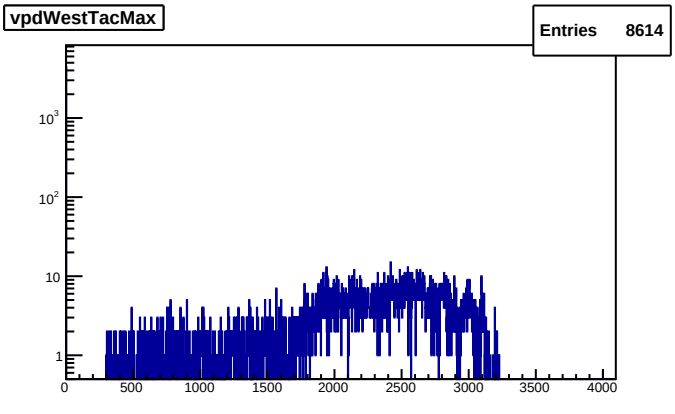

vpdEastAdcSumVsSimu
Entries 3319
Data
Simu

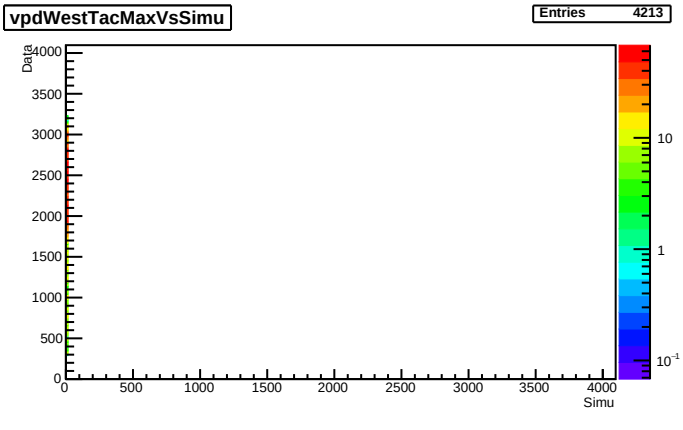

vpdEastTacMax
Entries 8614

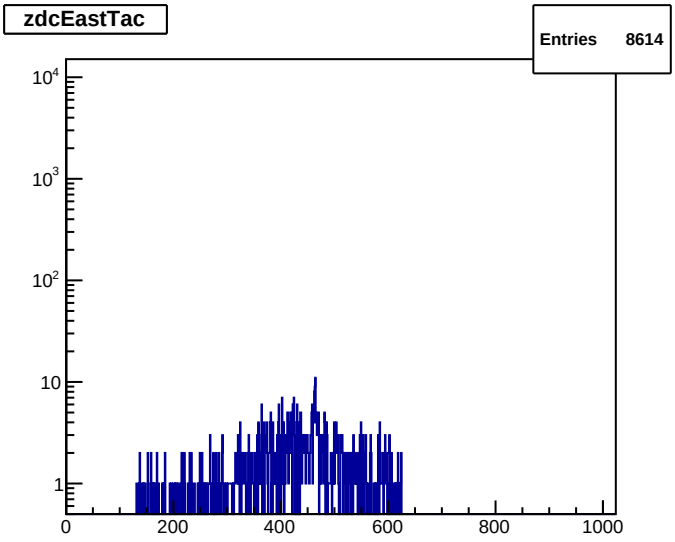

vpdEastTacMaxVsSimu
Entries 3319
Data
Simu

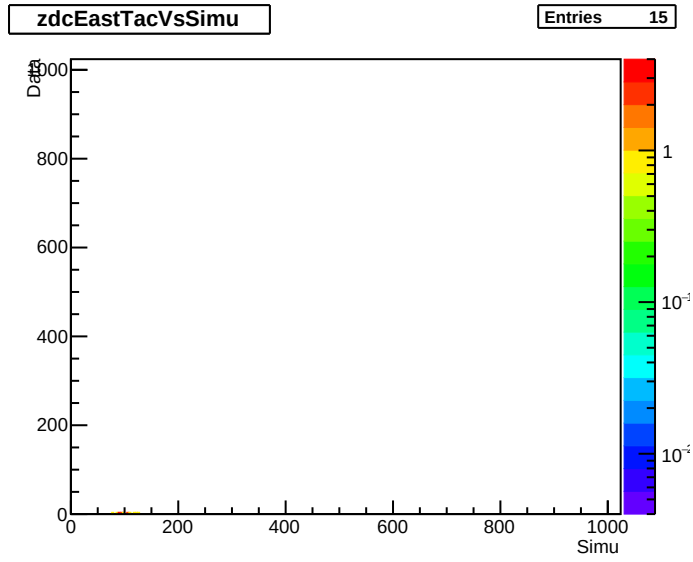

vpdWestAdcSum
Entries 8614

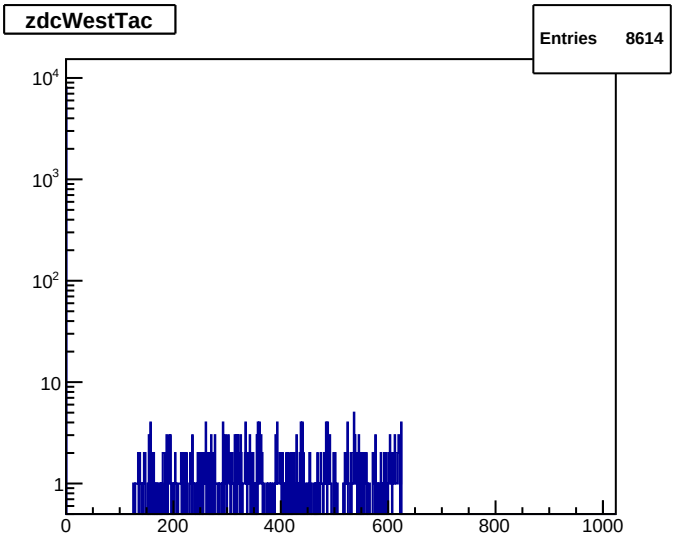

vpdWestAdcSumVsSimu
Entries 4213
Data
Simu

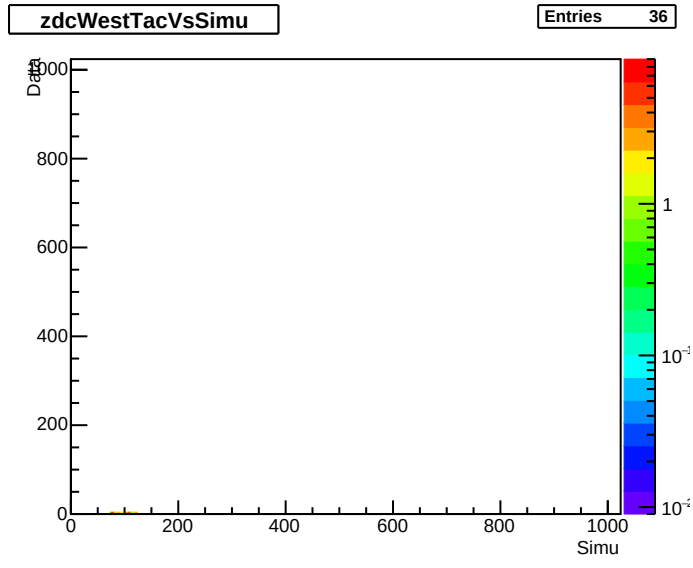

vpdWestTacMax
Entries 8614

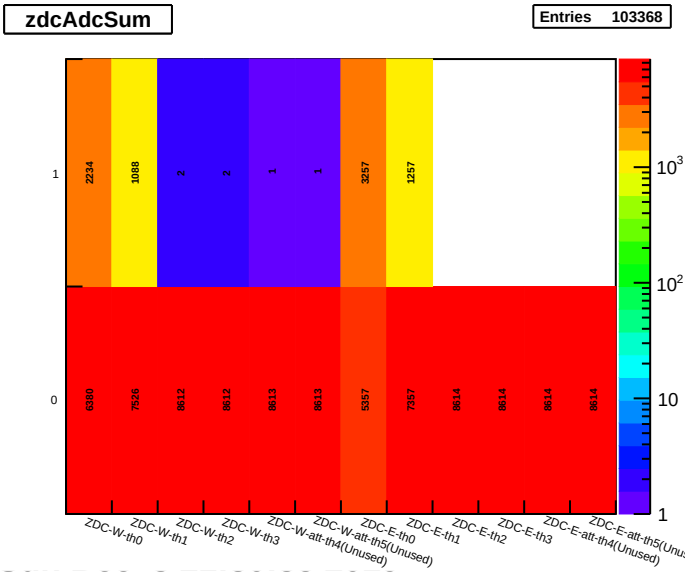

vpdWestTacMaxVsSimu
Entries 4213
Data
Simu

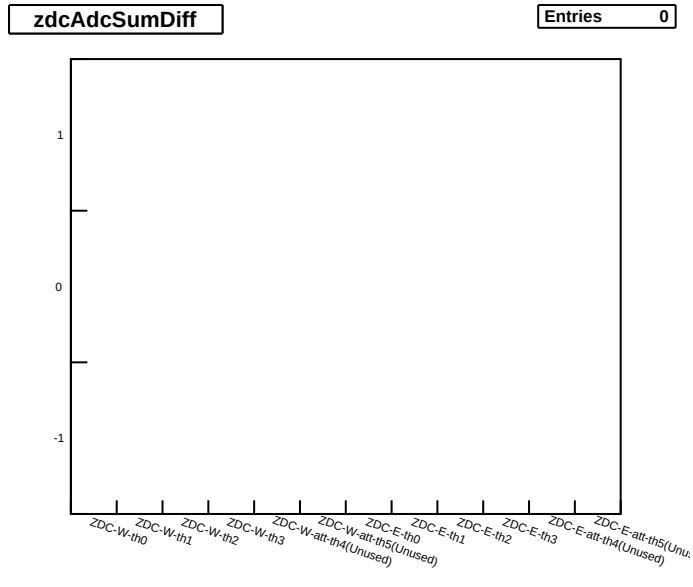

zdcEastTac
Entries 8614

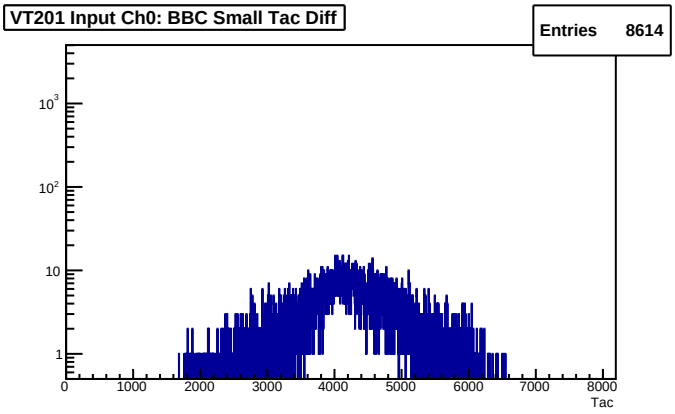

zdcEastTacVsSimu
Entries 15
Data
Simu

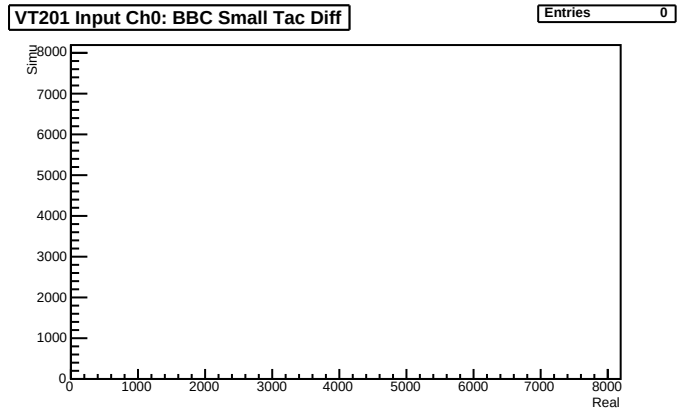

zdcWestTac
Entries 8614

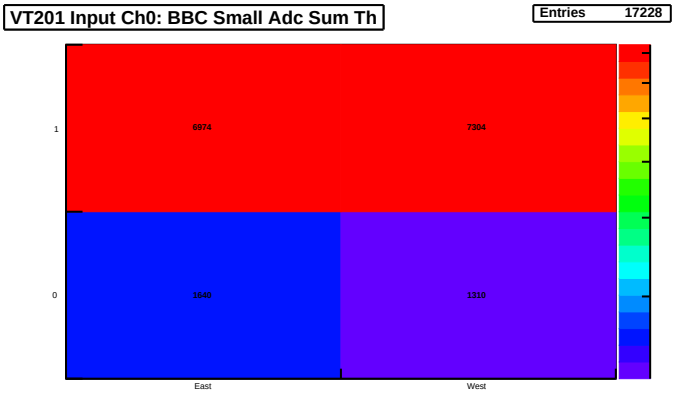

zdcWestTacVsSimu
Entries 36
Data
Simu

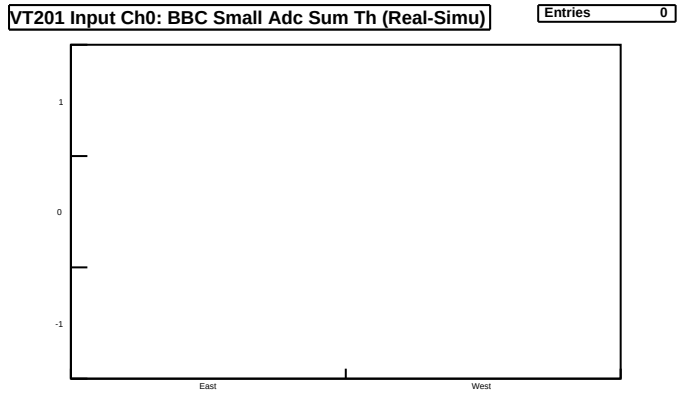

zdcAdcSum
Entries 103368
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

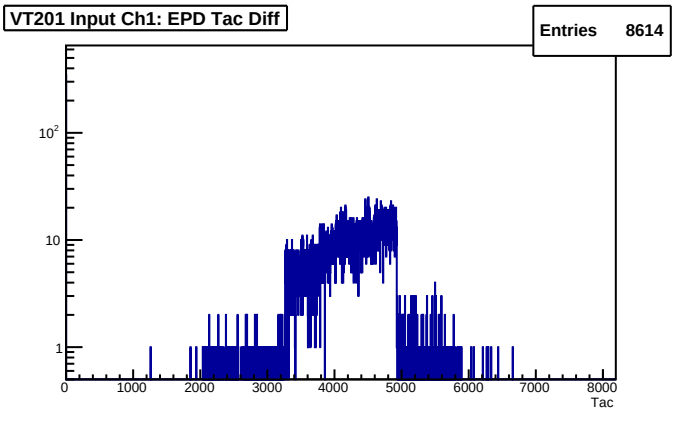

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

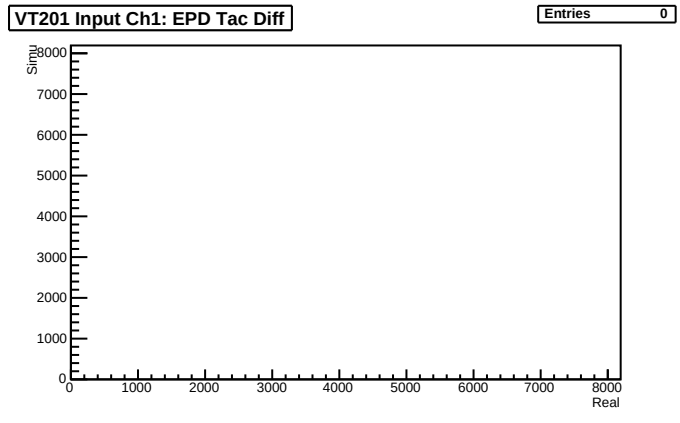

VT201 Input Ch0: BBC Small Tac Diff
Entries 8614
Tac

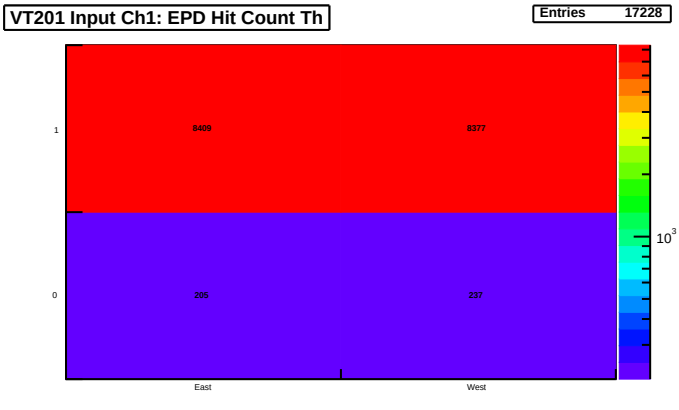

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

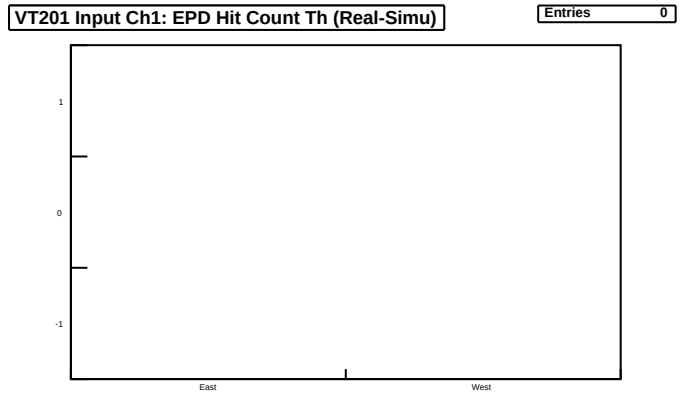

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 17228
6974
7304
1640
1310
East
West

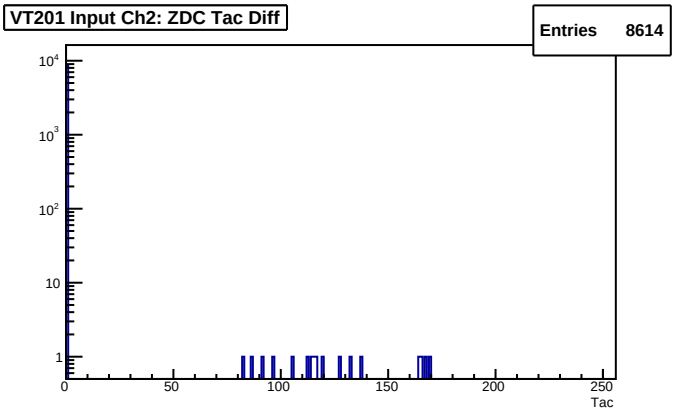

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

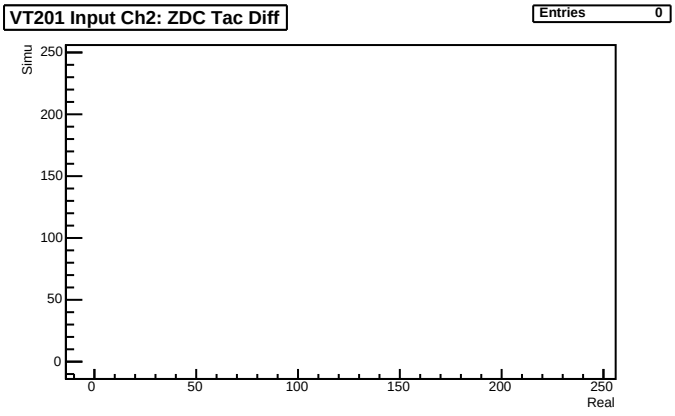

VT201 Input Ch1: EPD Tac Diff
Entries 8614
Tac

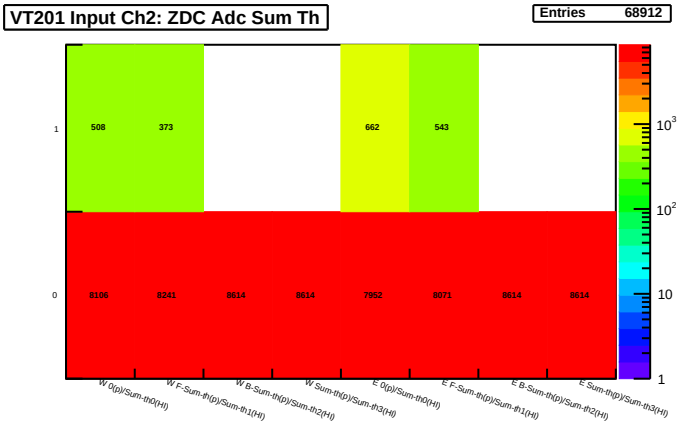

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

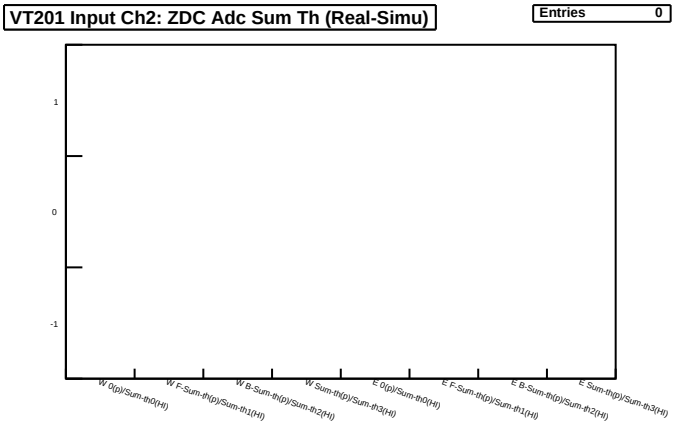

VT201 Input Ch1: EPD Hit Count Th
Entries 17228
8409
8377
205
237
East
West

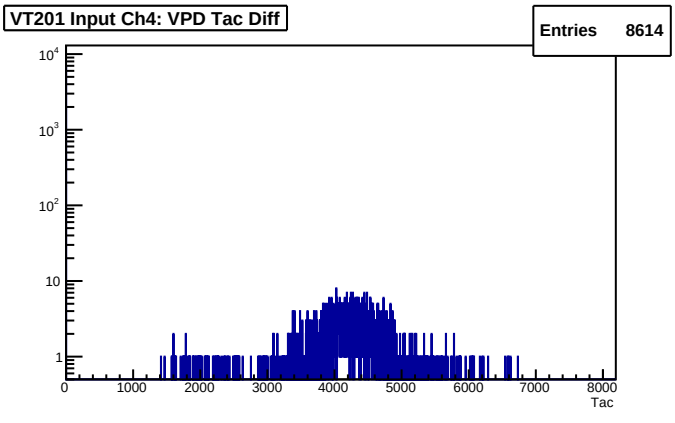

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

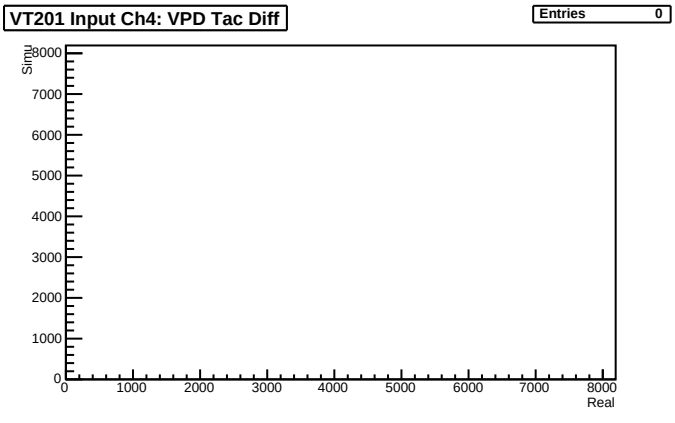

VT201 Input Ch2: ZDC Tac Diff
Entries 8614
Tac

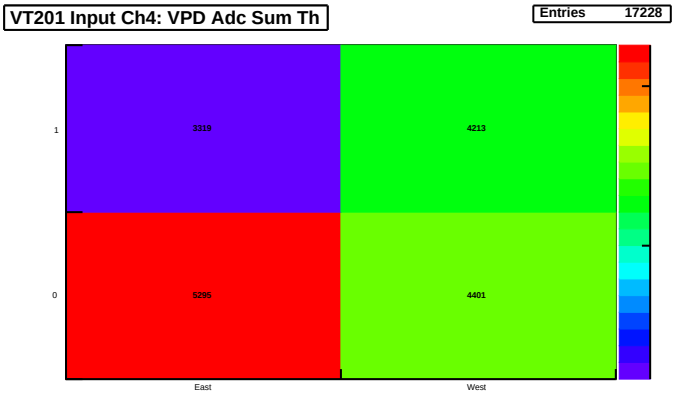

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

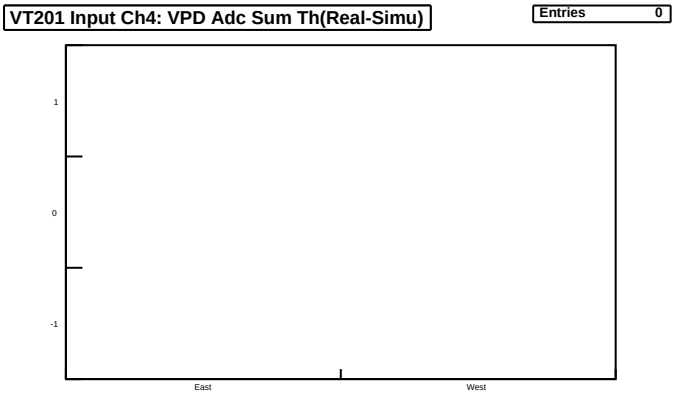

VT201 Input Ch2: ZDC Adc Sum Th
Entries 68912
508
373
662
543
8106
8241
8614
8614
7952
8071
8614
8614
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

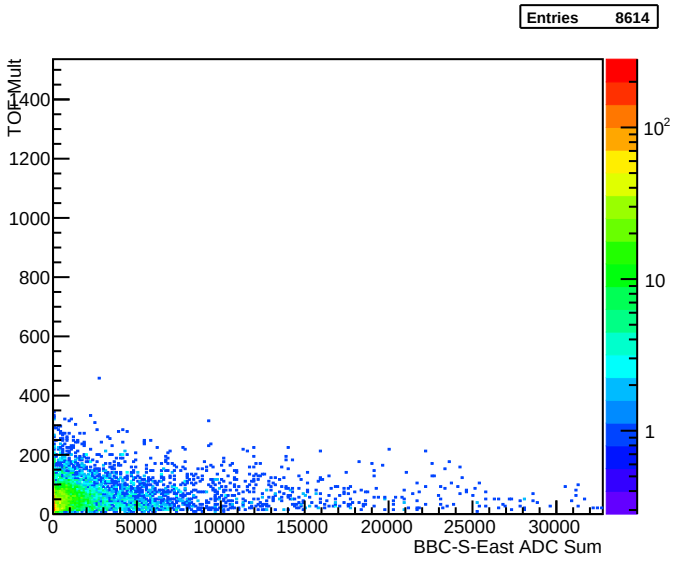

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

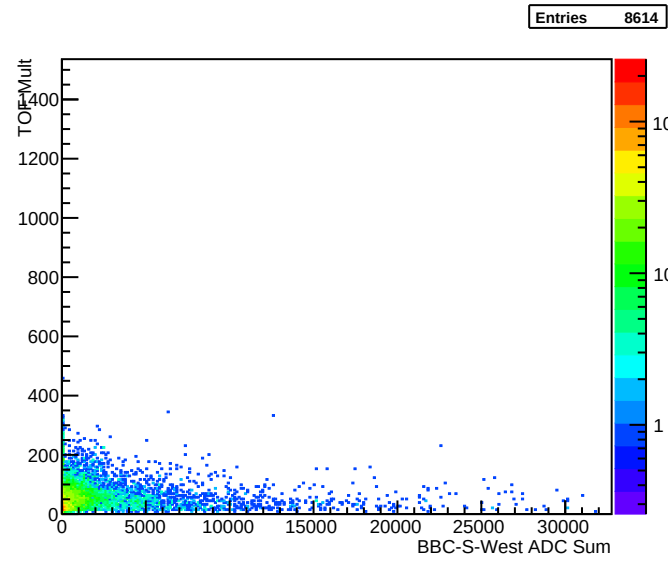

VT201 Input Ch4: VPD Tac Diff
Entries 8614
Tac

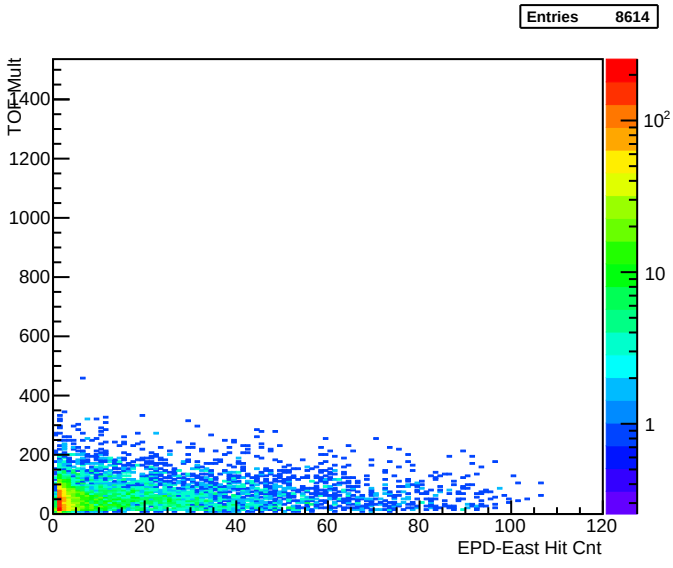

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

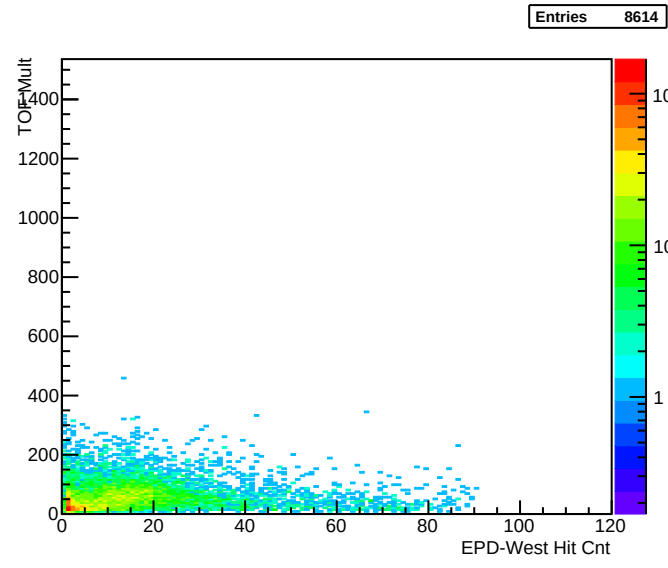

VT201 Input Ch4: VPD Adc Sum Th
Entries 17228
3319
4213
5295
4401
East
West

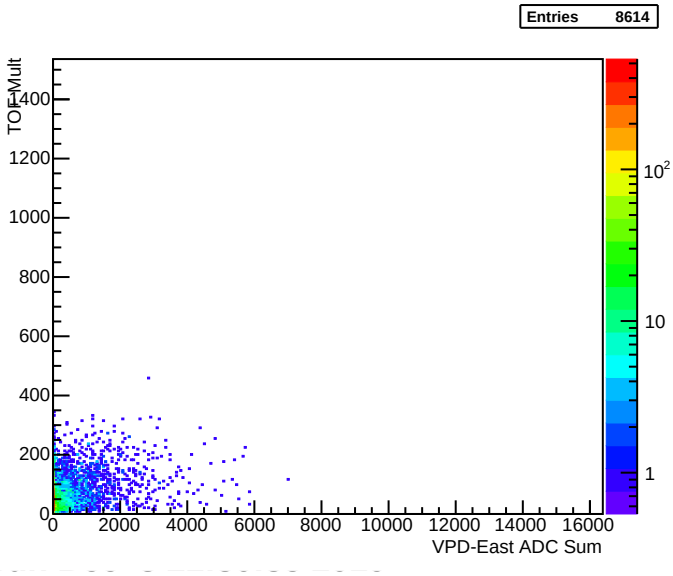

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

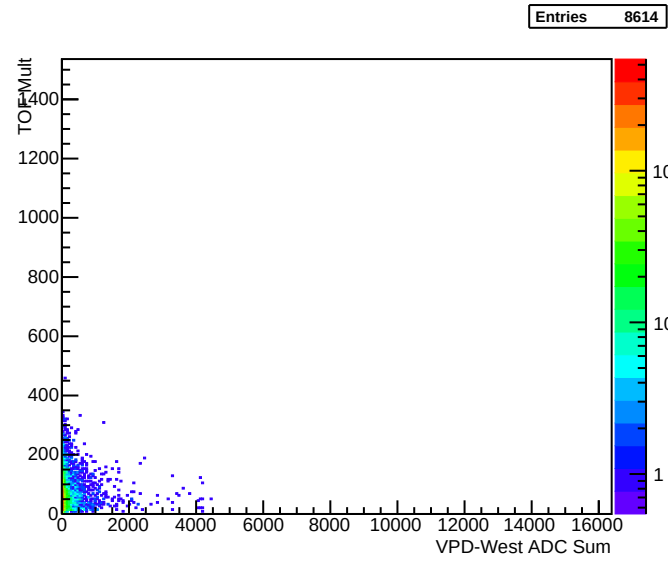

Entries 8614
TOF-Mult
BBC-S-East ADC Sum

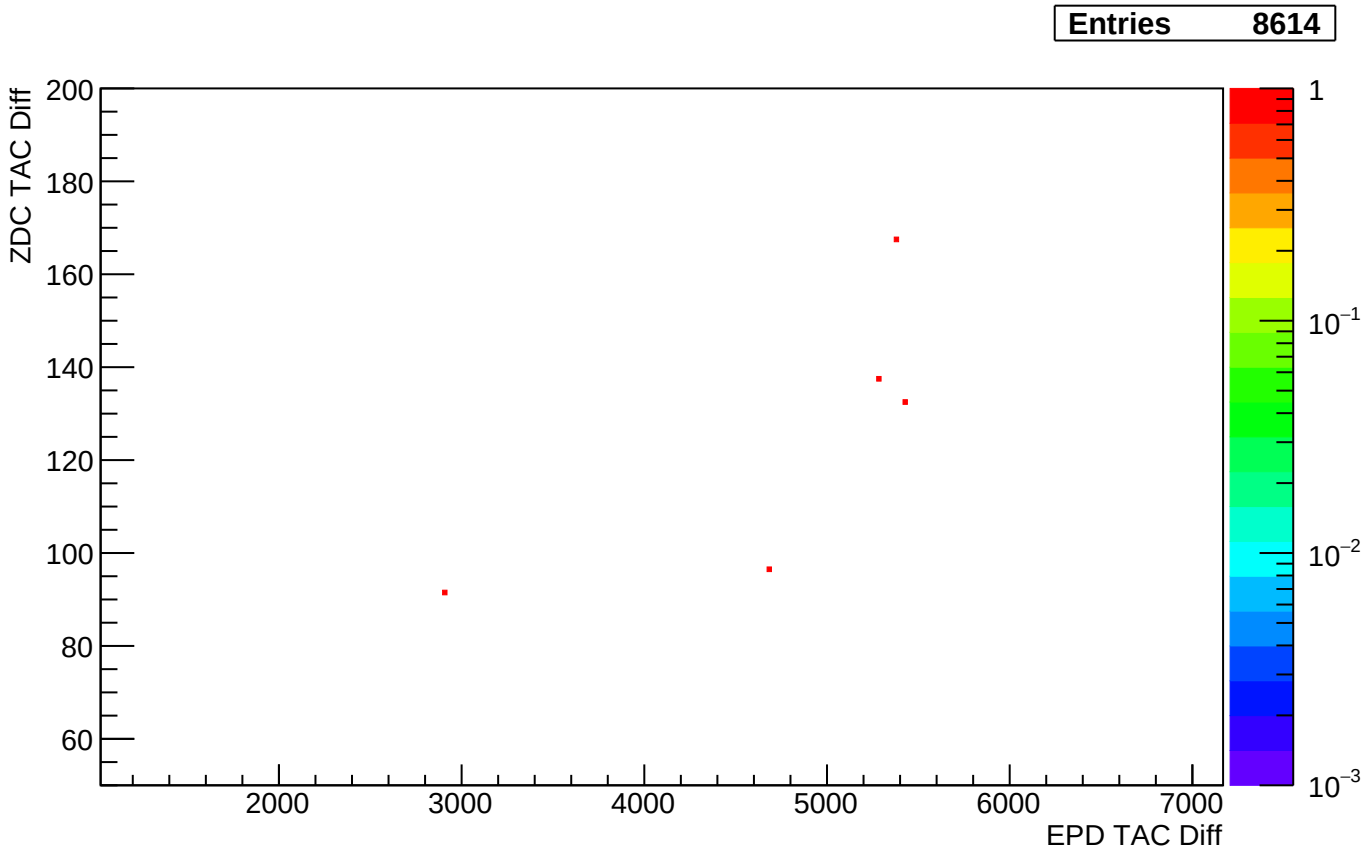

Entries 8614
TOF-Mult
BBC-S-West ADC Sum

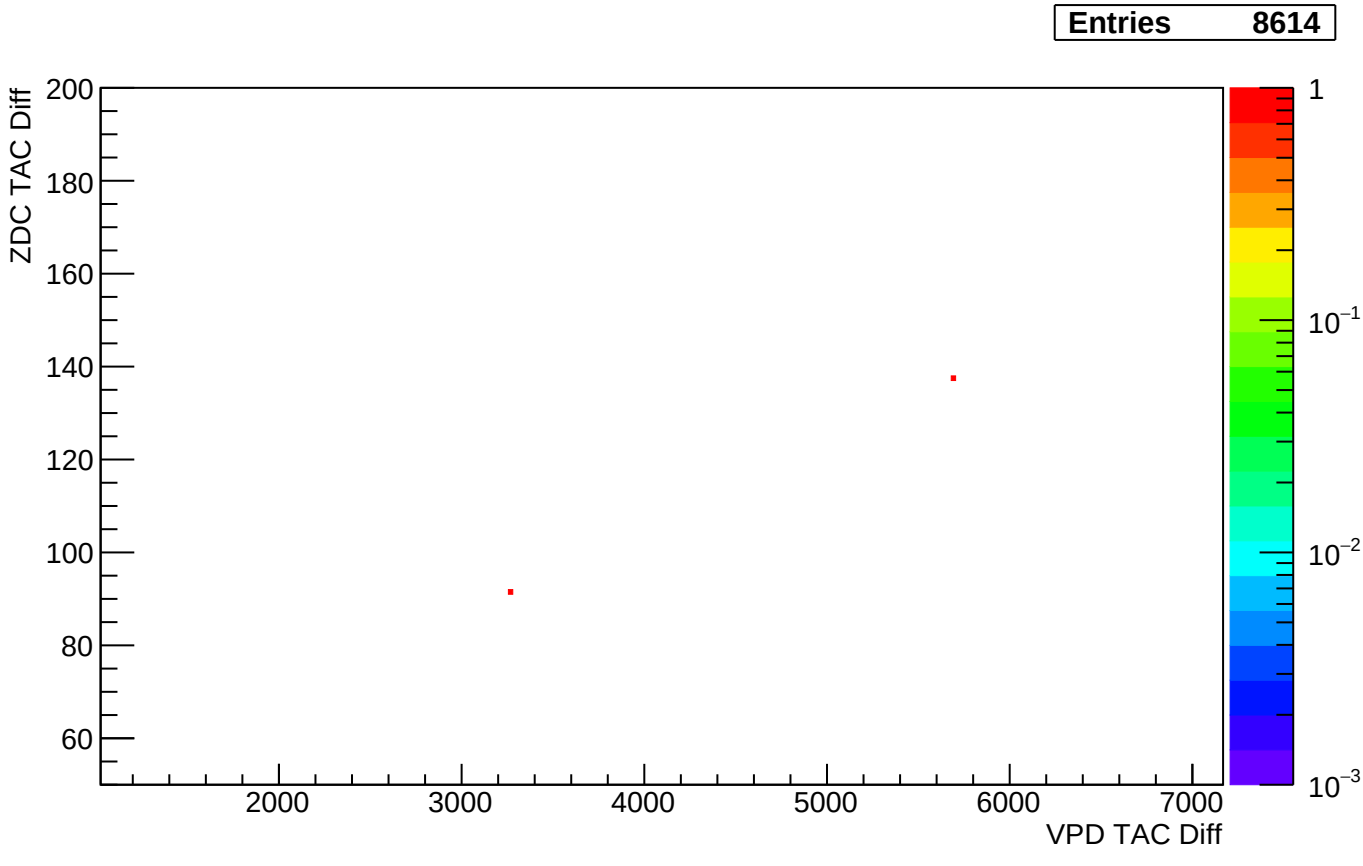

Entries 8614
TOF-Mult
EPD-East Hit Cnt

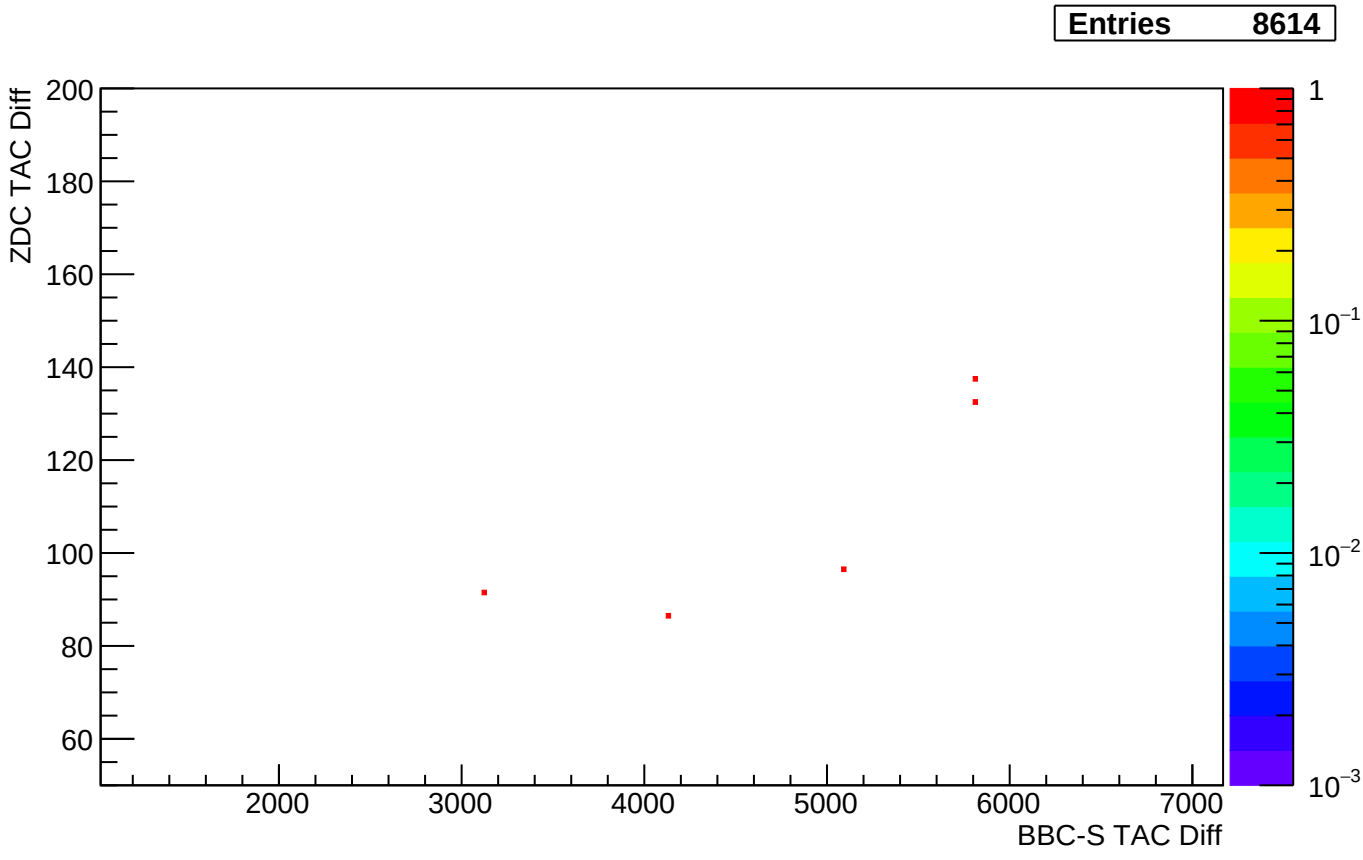

Entries 8614
TOF-Mult
EPD-West Hit Cnt

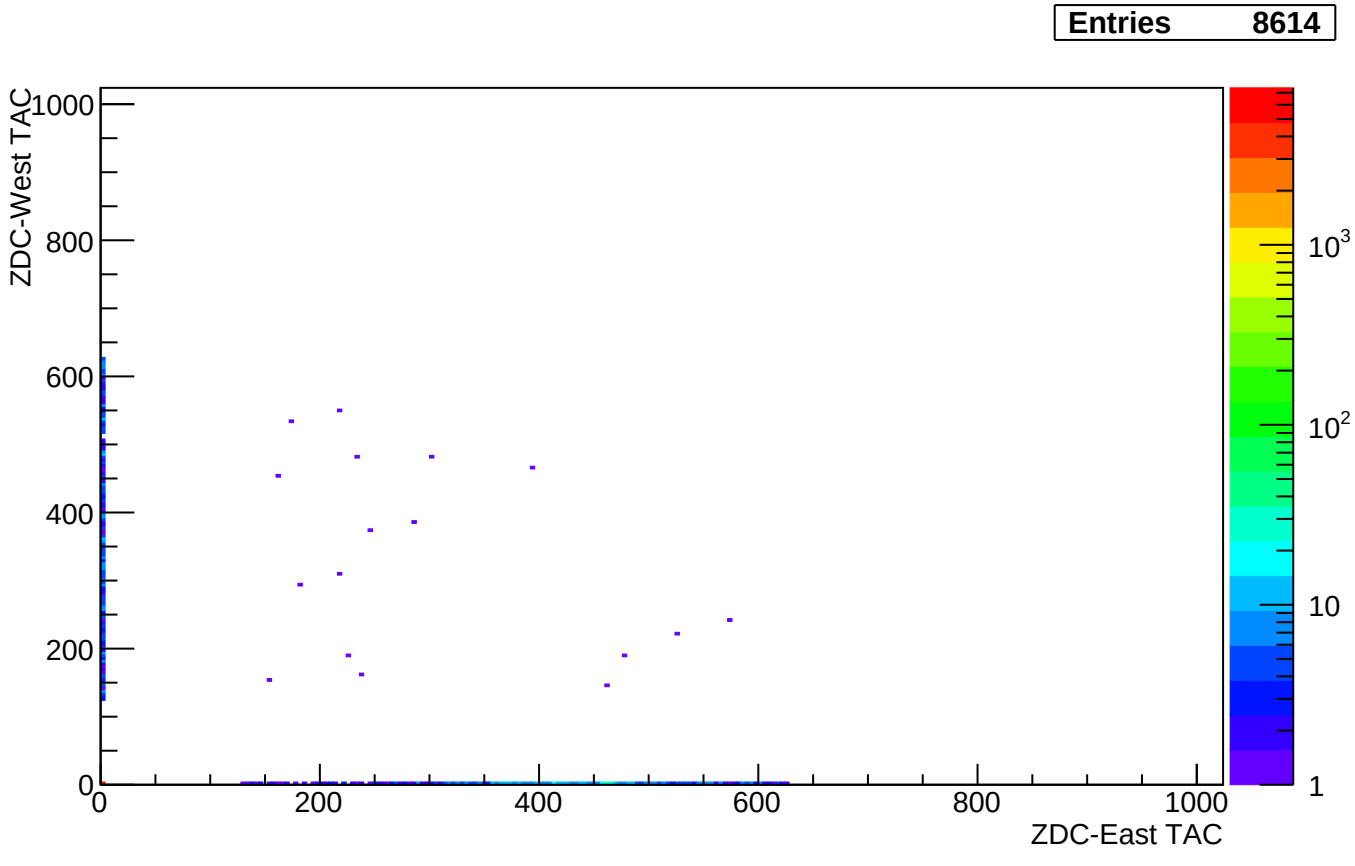

Entries 8614
TOF-Mult
VPD-East ADC Sum

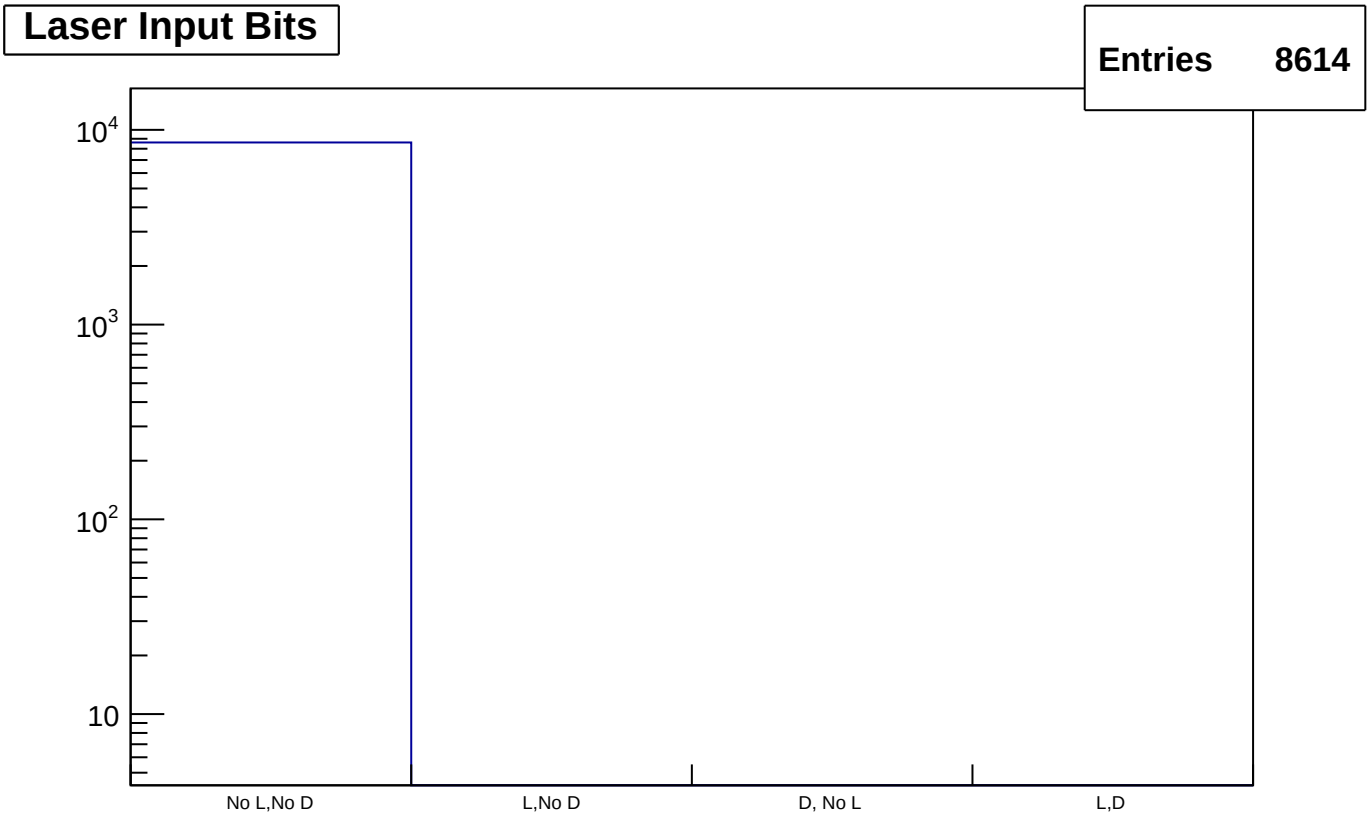

Entries 8614
TOF-Mult
VPD-West ADC Sum

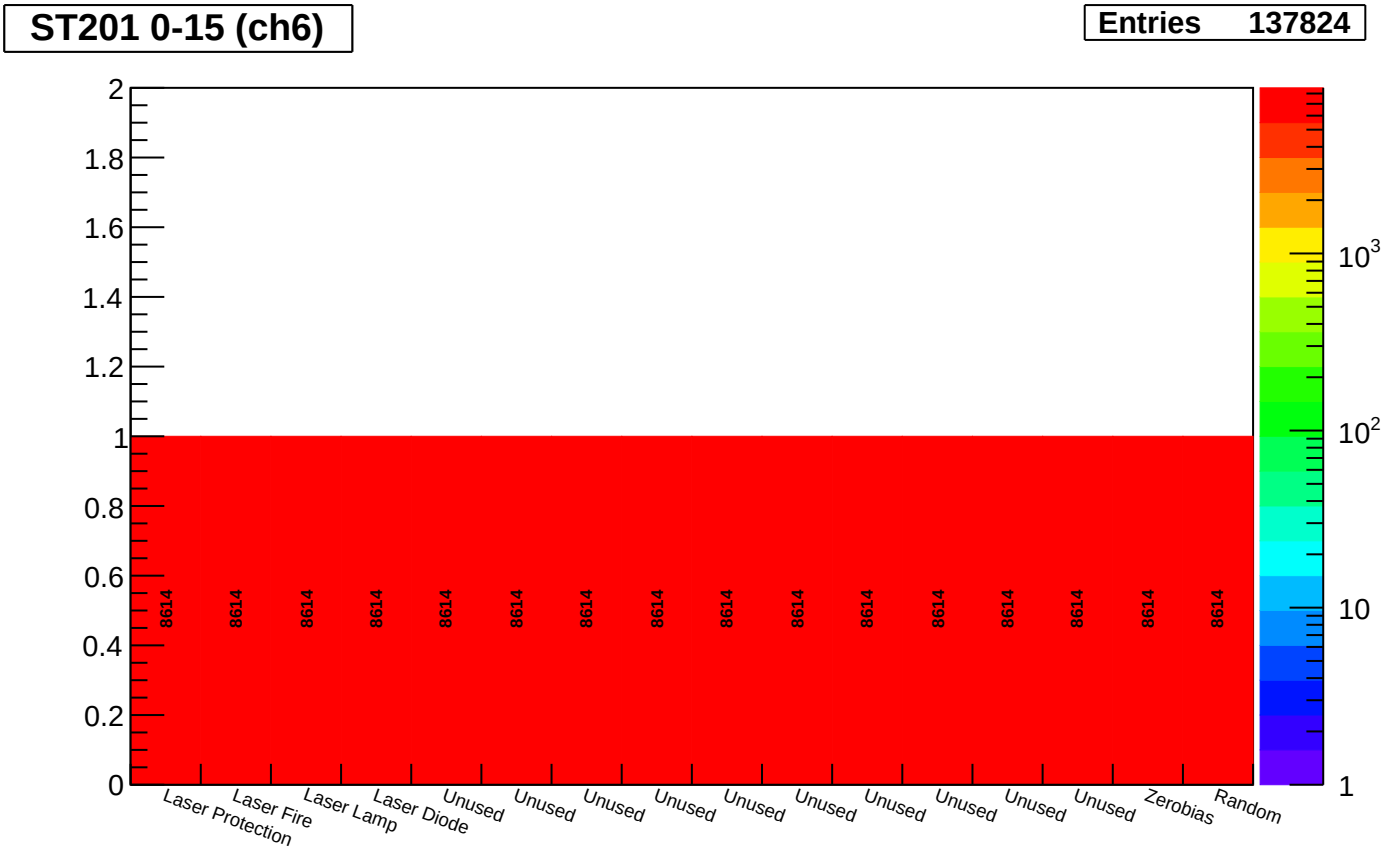

Entries 8614
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$
$10^{-3}$

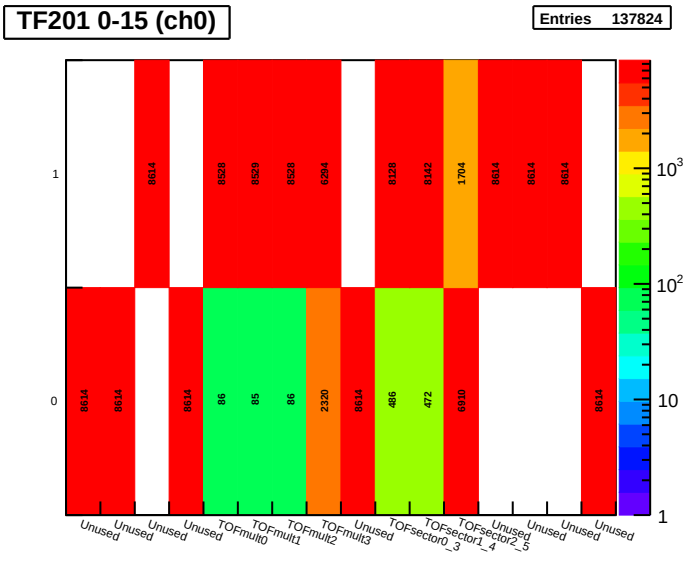

Entries 8614
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$
$10^{-3}$

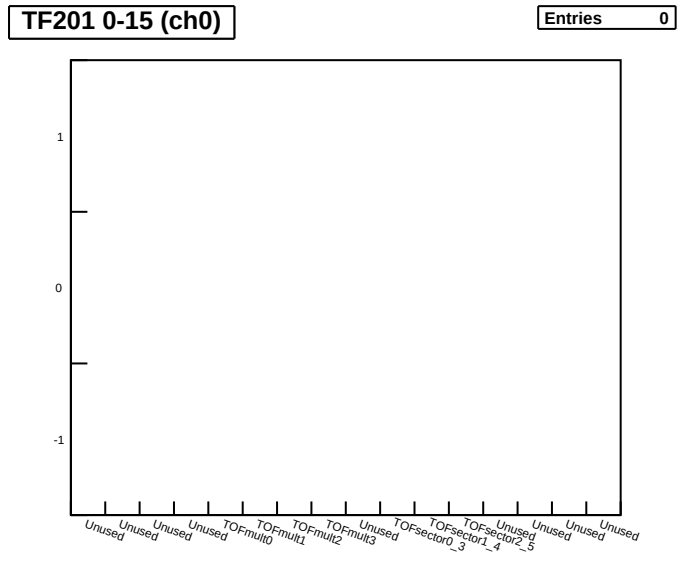

Entries 8614
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$
$10^{-3}$

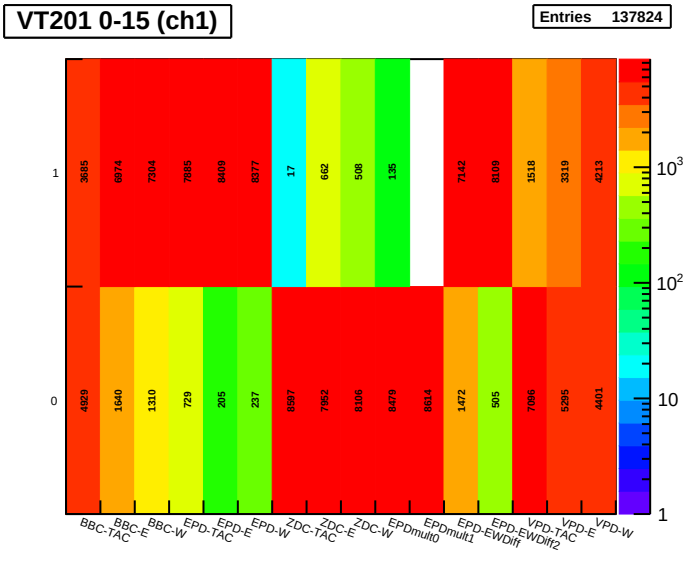

Entries 8614
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^3$
$10^2$
10
1

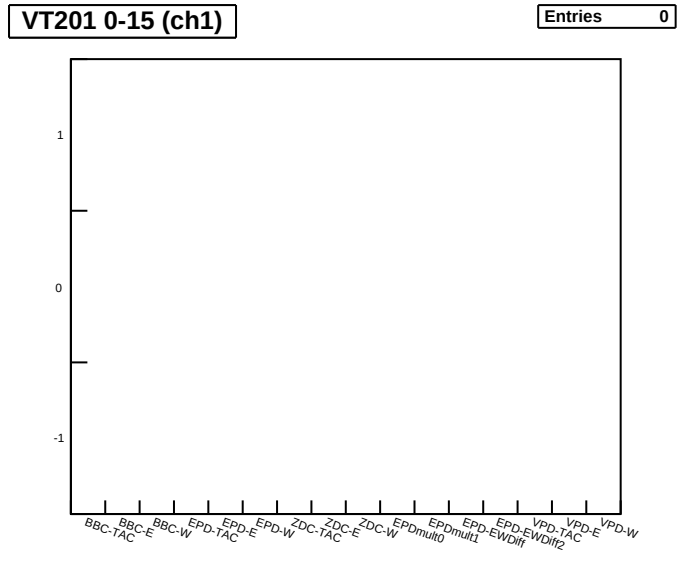

Laser Input Bits
Entries 8614
$10^4$
$10^3$
$10^2$
10
No L,No D
L,No D
D, No L
L,D

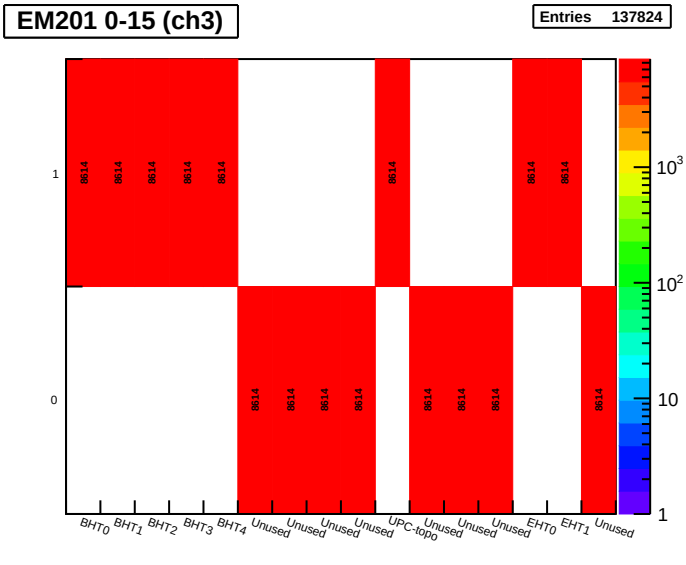

ST201 0-15 (ch6)
Entries 137824
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
8614
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
$10^3$
$10^2$
10
1

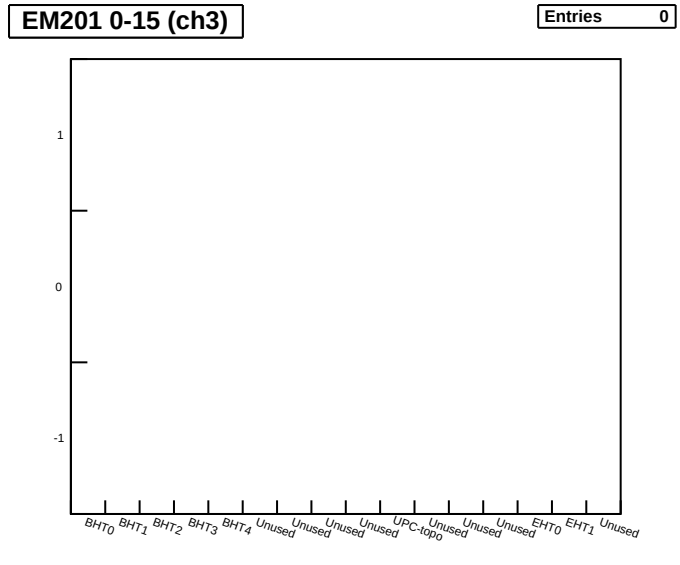

TF201 0-15 (ch0)
Entries 137824
1
0
8614 8528 8529 8528 6294 8128 8142 1704 8614 8614 8614
8614 8614 8614 86 85 86 2320 8614 486 472 6910 8614
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
$10^3$
$10^2$
10
1


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 137824
1
0
3685 6974 7304 7885 8409 8377 17 662 508 135 7142 8109 1518 3319 4213
4929 1640 1310 729 205 237 8597 7952 8106 8479 8614 1472 505 7096 5295 4401
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 137824
1
0
8614 8614 8614 8614 8614 8614 8614 8614
8614 8614 8614 8614 8614 8614 8614 8614
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