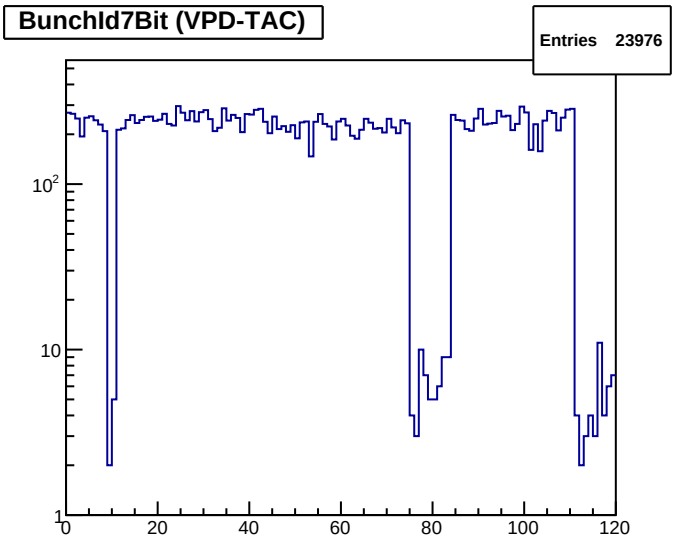
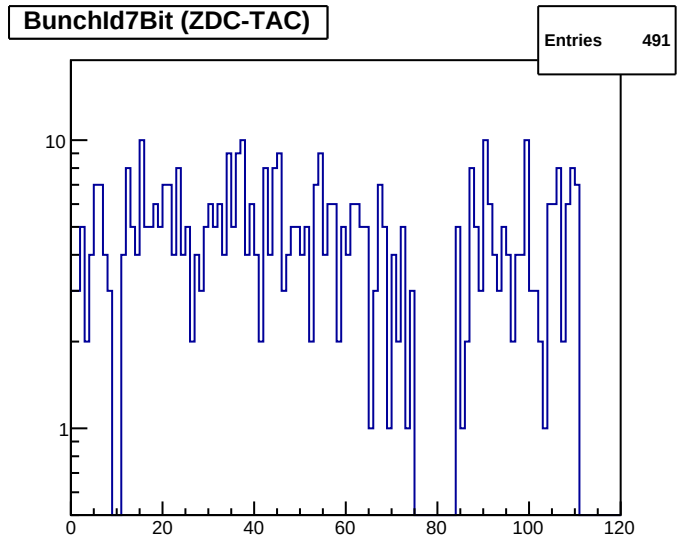
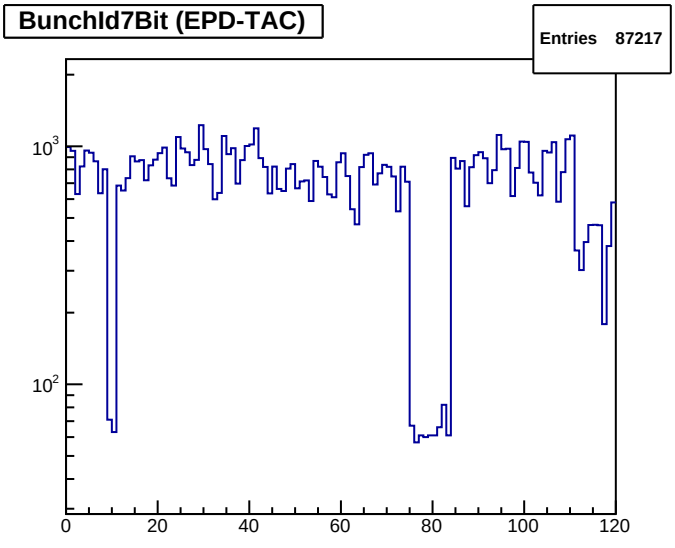
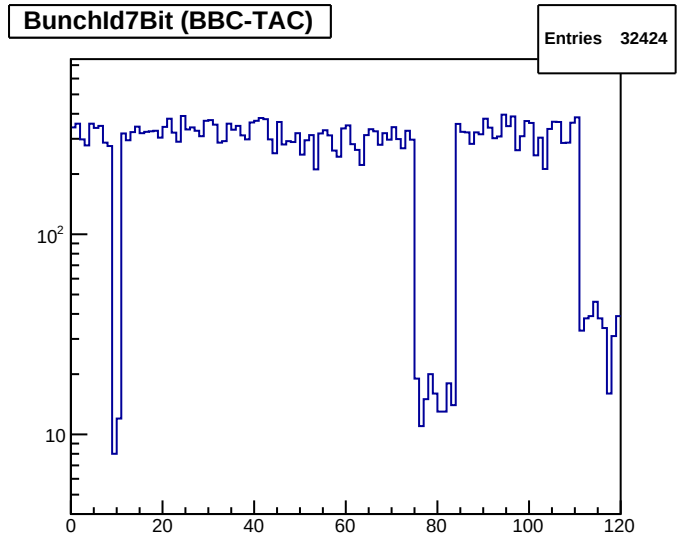
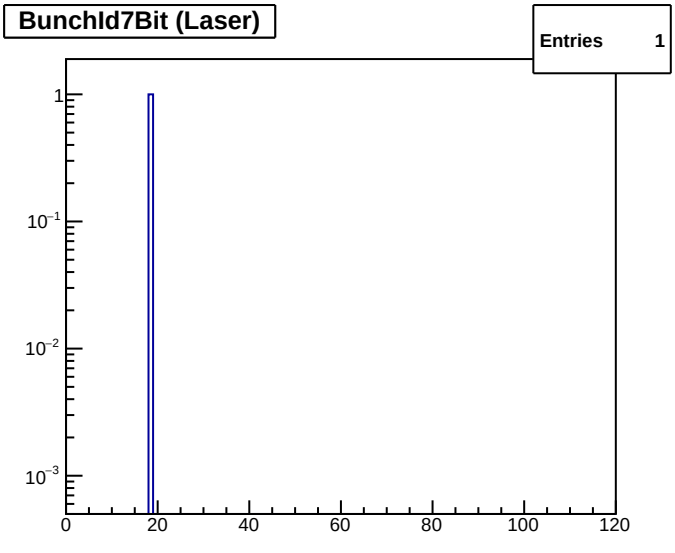
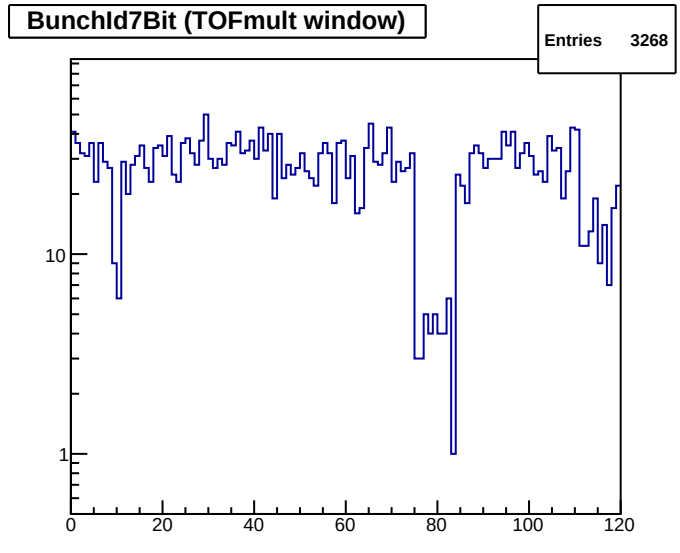

BunchId7Bit (VPD-TAC)
Entries 23976

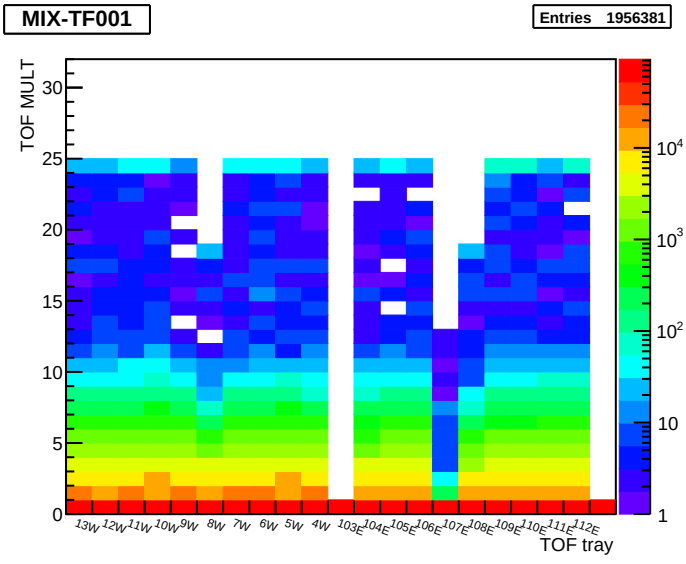

BunchId7Bit (ZDC-TAC)
Entries 491

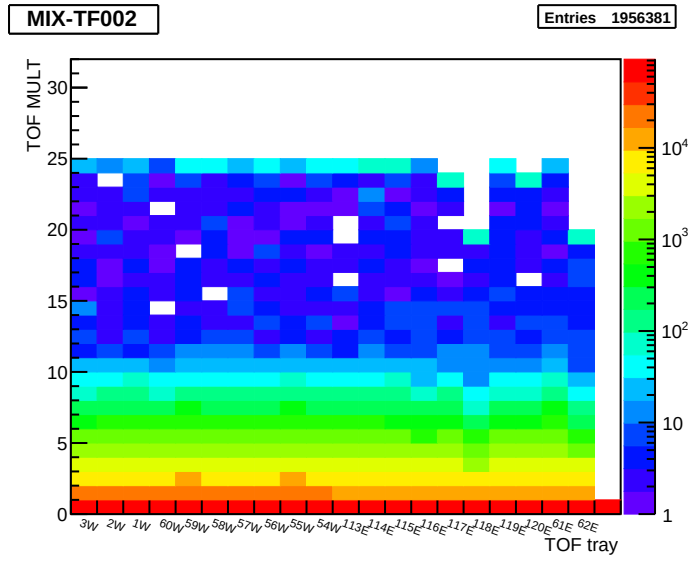

BunchId7Bit (EPD-TAC)
Entries 87217

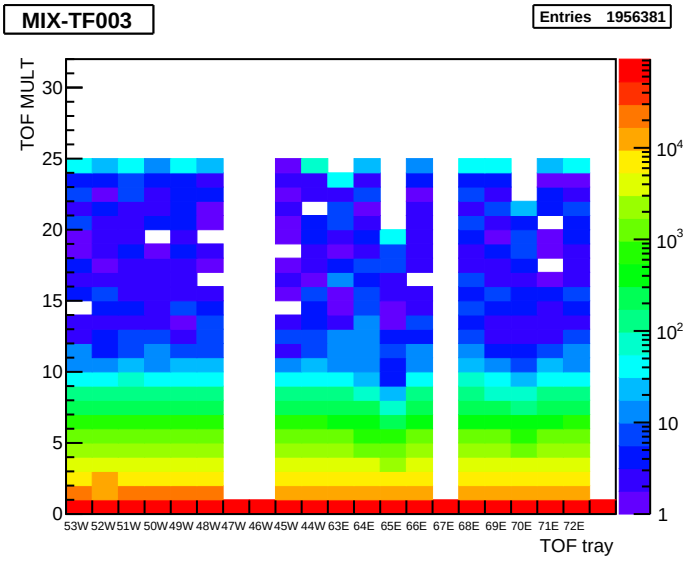

BunchId7Bit (BBC-TAC)
Entries 32424

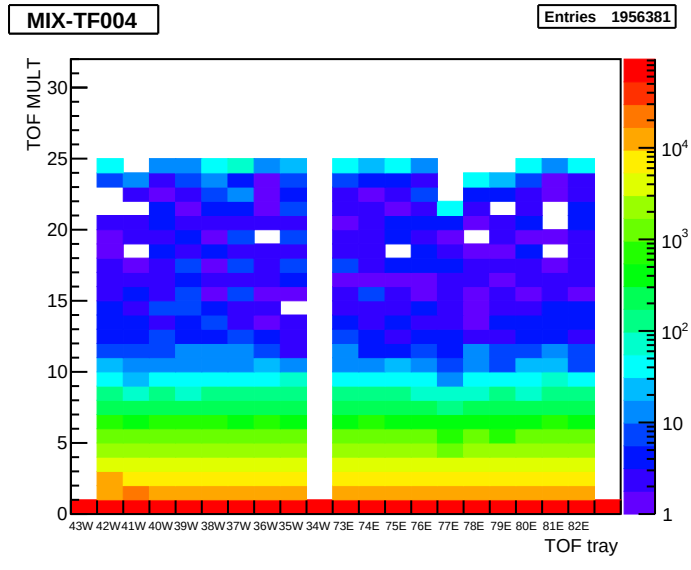

BunchId7Bit (Laser)
Entries 1

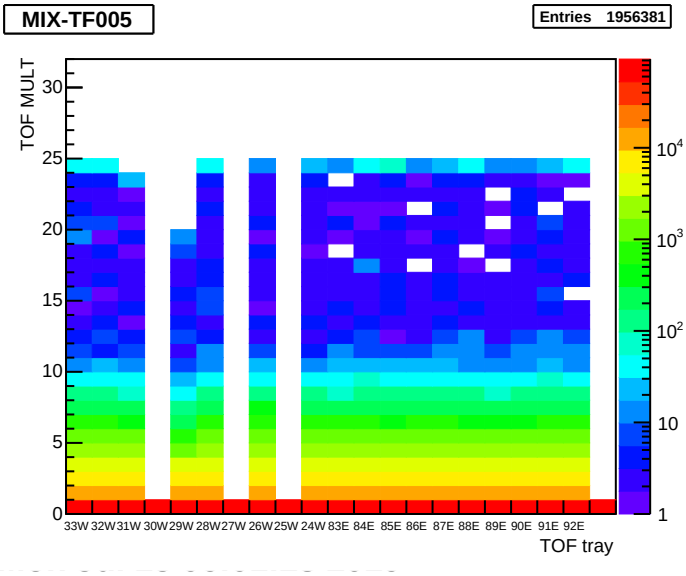

BunchId7Bit (TOFmult window)
Entries 3268

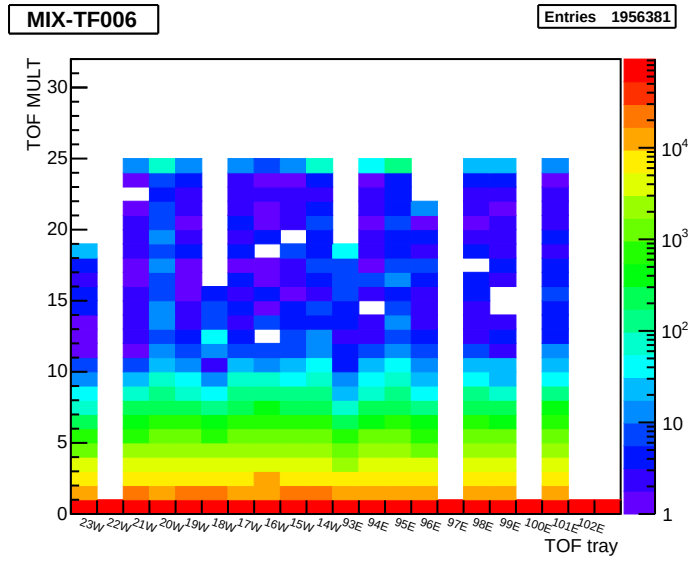

MIX-TF001
Entries 1956381
TOF MULT
TOF tray

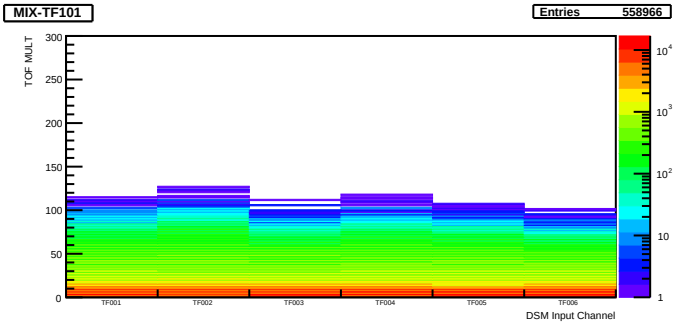

MIX-TF002
Entries 1956381
TOF MULT
TOF tray

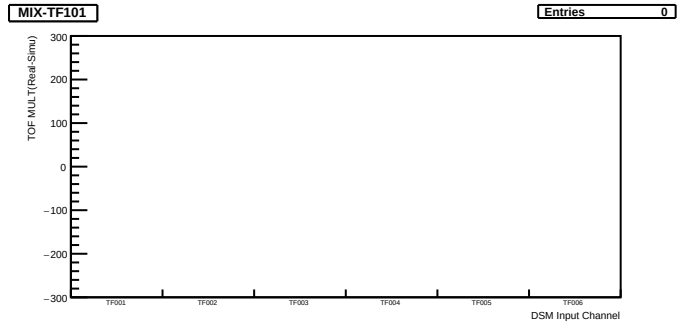

MIX-TF003
Entries 1956381
TOF MULT
TOF tray

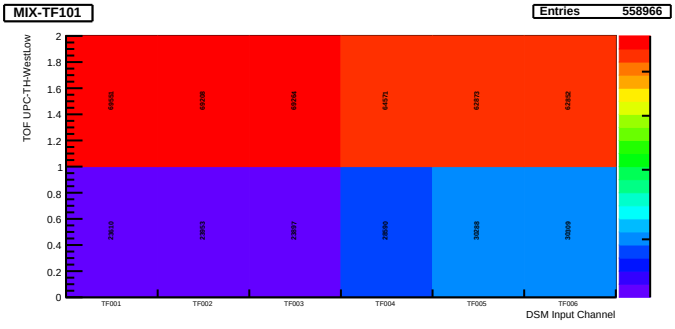

MIX-TF004
Entries 1956381
TOF MULT
TOF tray

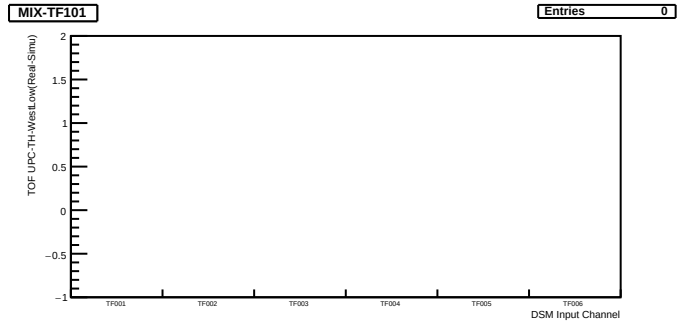

MIX-TF005
Entries 1956381
TOF MULT
TOF tray

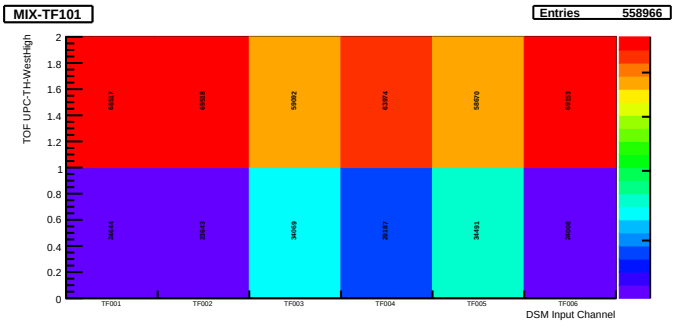

MIX-TF006
Entries 1956381
TOF MULT
TOF tray

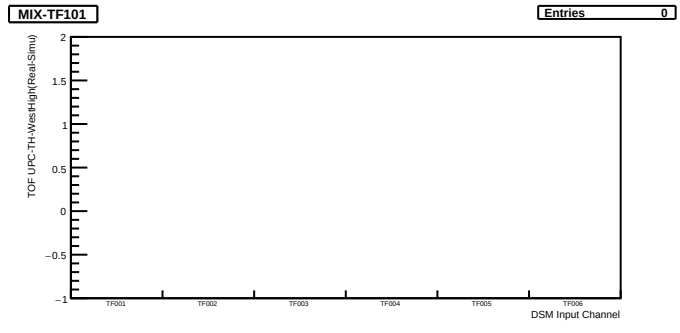

MIX-TF101
Entries 558966
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

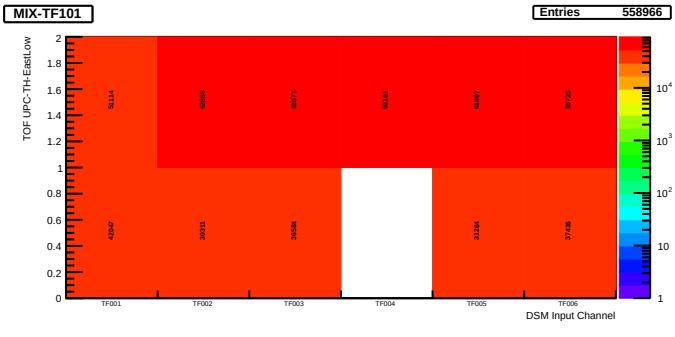

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

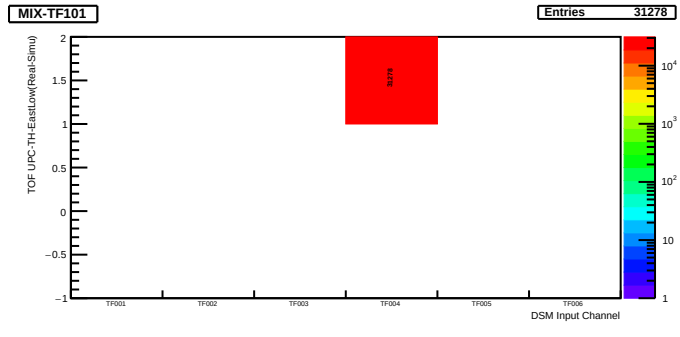

MIX-TF101
Entries 558966
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

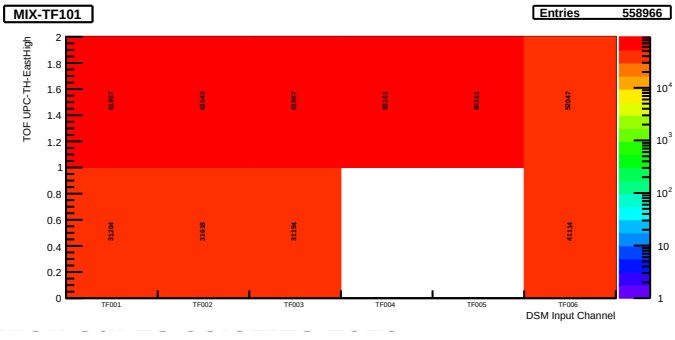

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

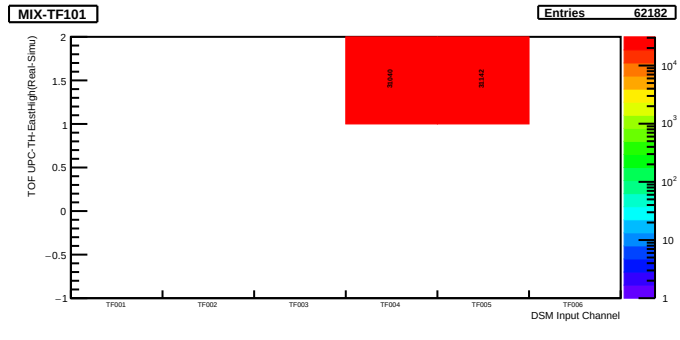

MIX-TF101
Entries 558966
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

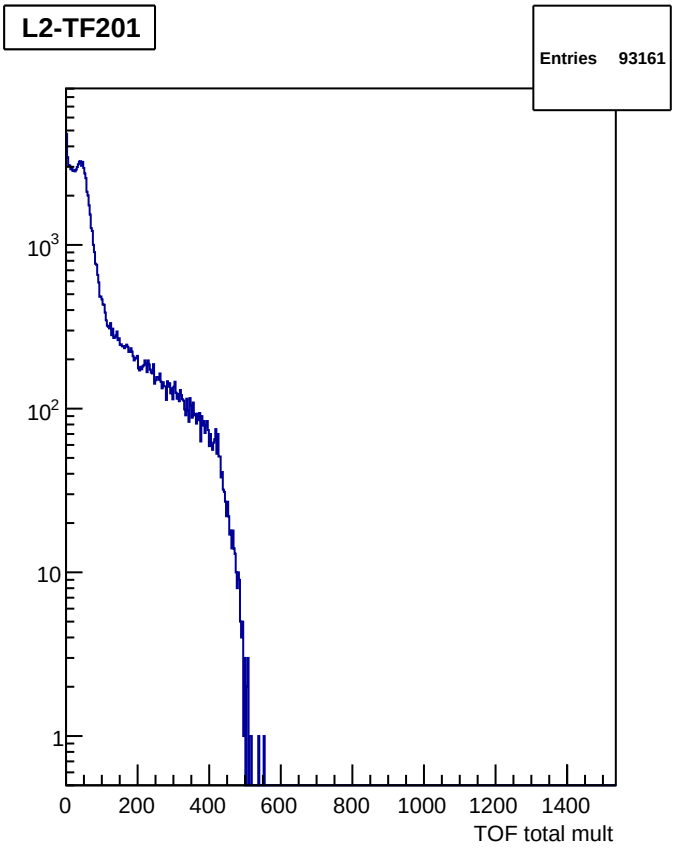

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

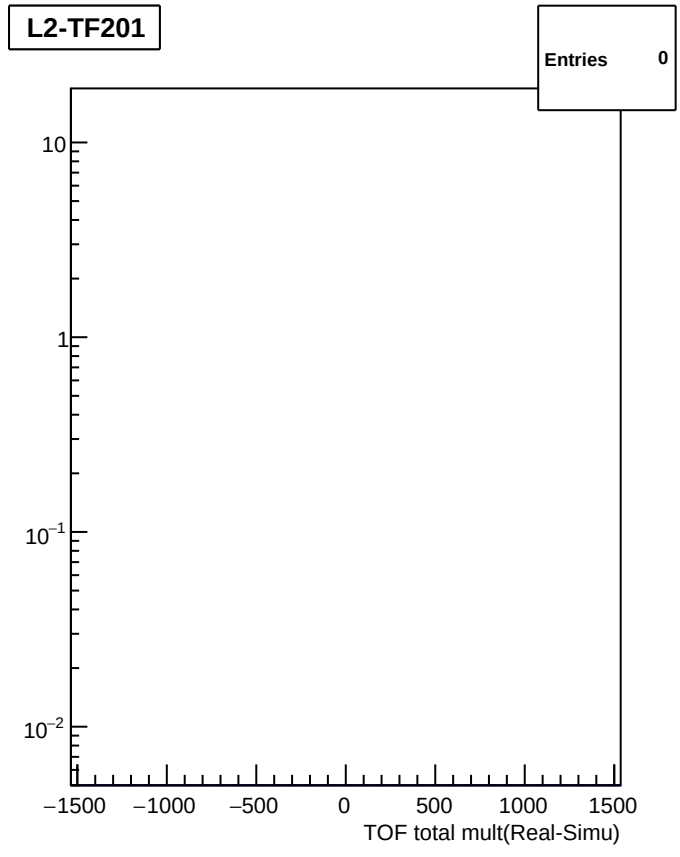

MIX-TF101
Entries 558966
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

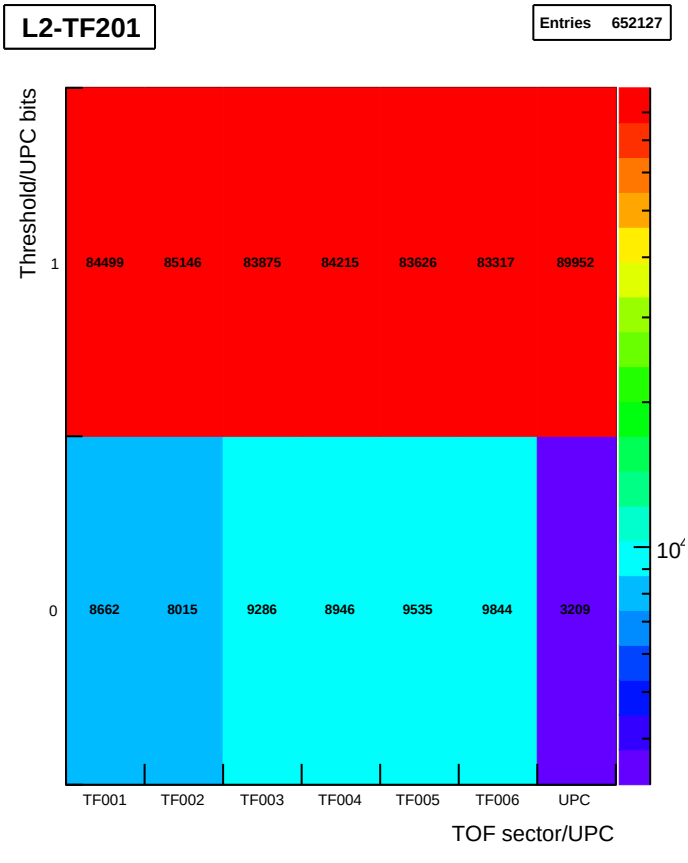

MIX-TF101
Entries 31278
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

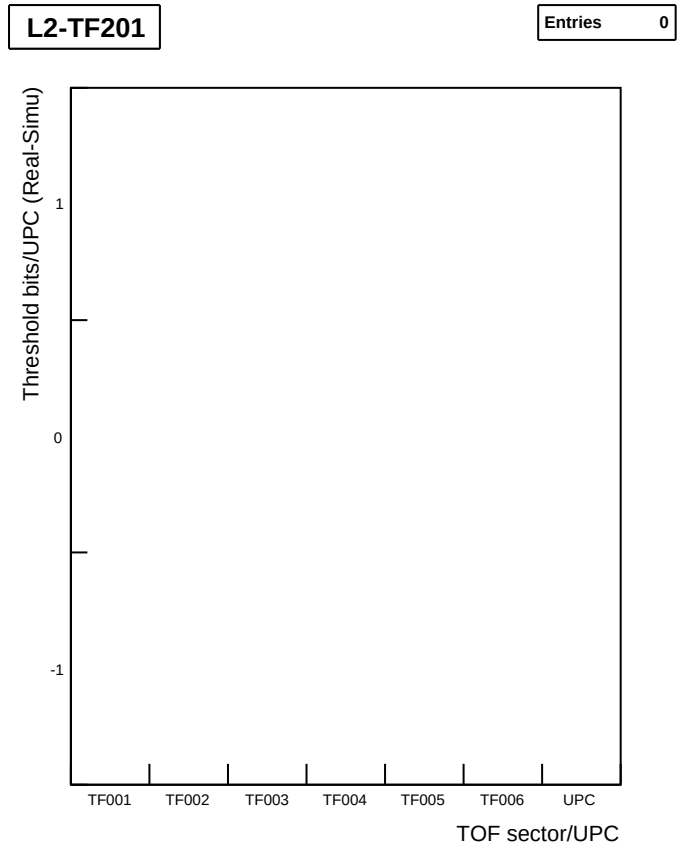

MIX-TF101
Entries 558966
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

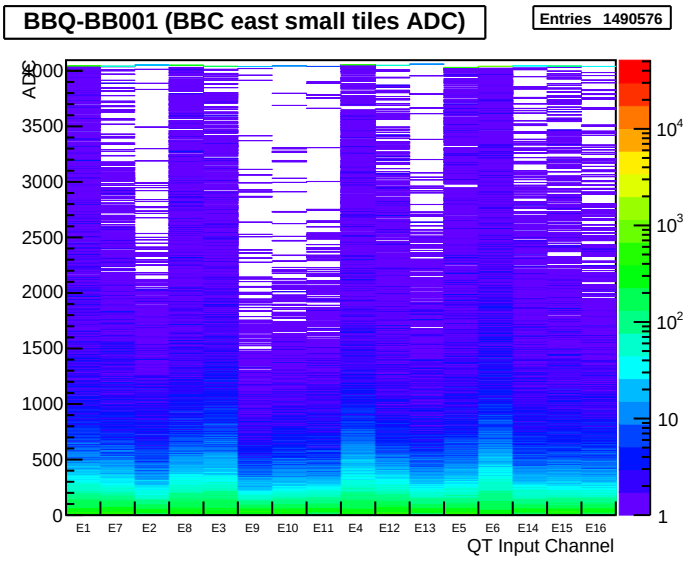

MIX-TF101
Entries 62182
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

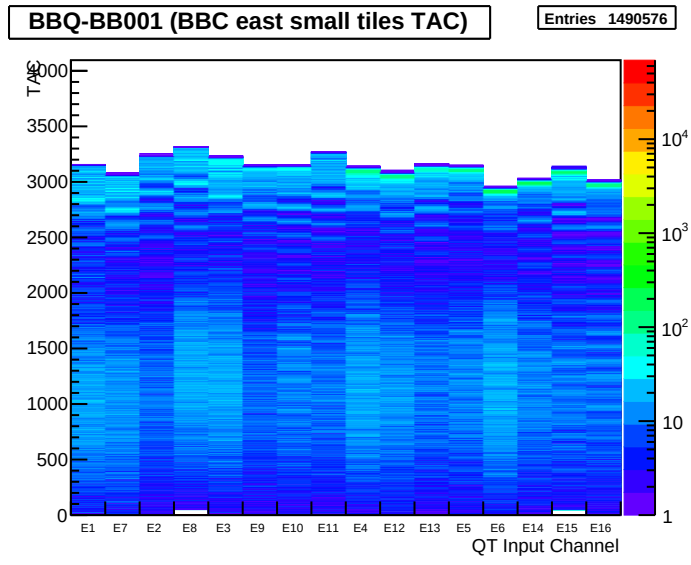

L2-TF201
Entries 93161
$10^3$
$10^2$
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

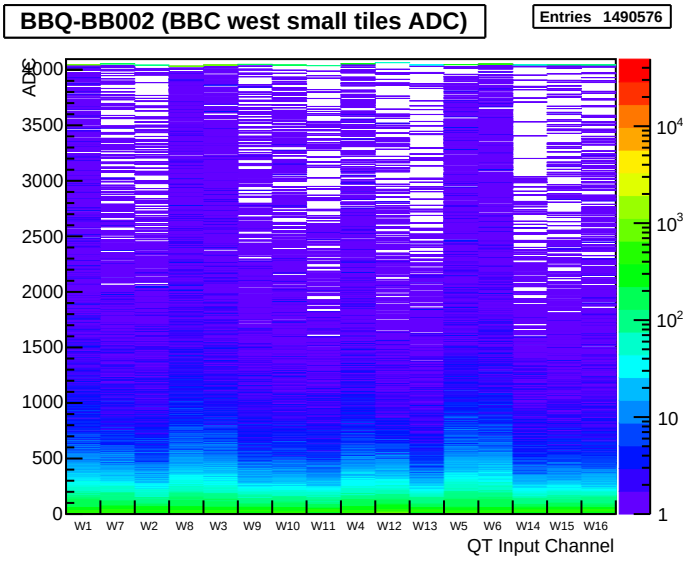

L2-TF201
Entries 0
10
1
$10^{-1}$
$10^{-2}$
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

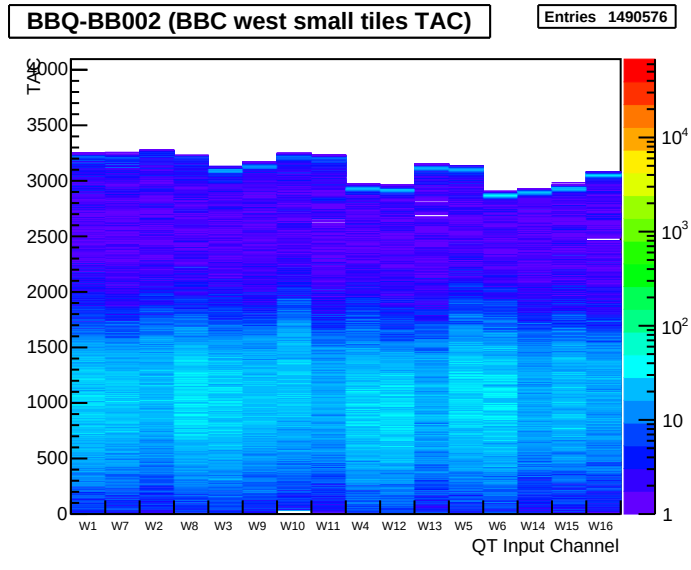

L2-TF201
Entries 652127
Threshold/UPC bits
1
0
84499
85146
83875
84215
83626
83317
89952
8662
8015
9286
8946
9535
9844
3209
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

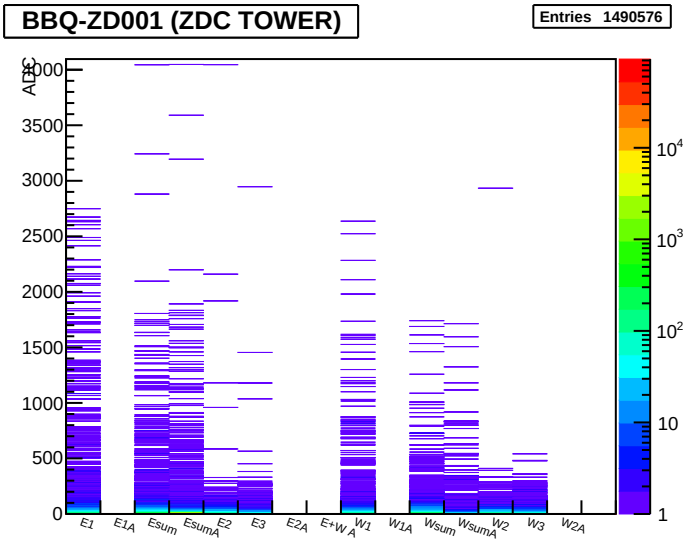

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

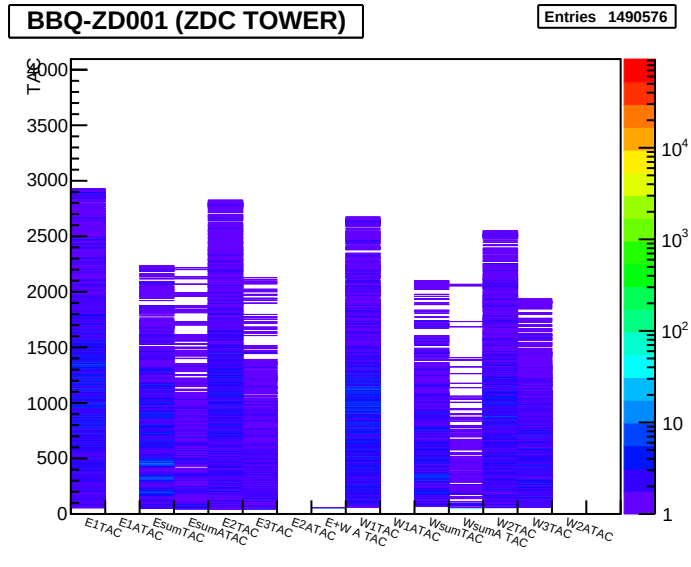

BBQ-BB001 (BBC east small tiles ADC)
Entries 1490576
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

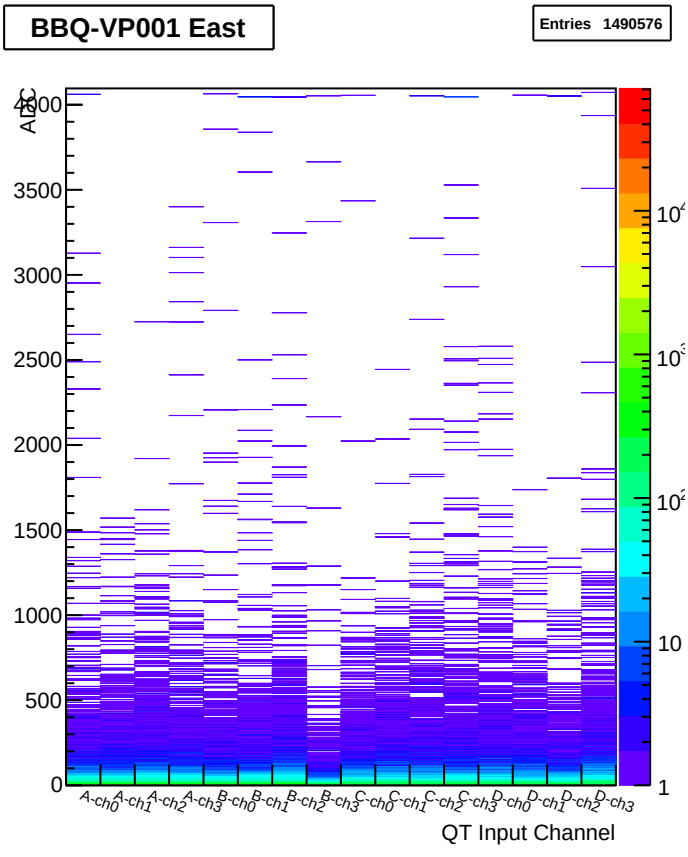

BBQ-BB001 (BBC east small tiles TAC)
Entries 1490576
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

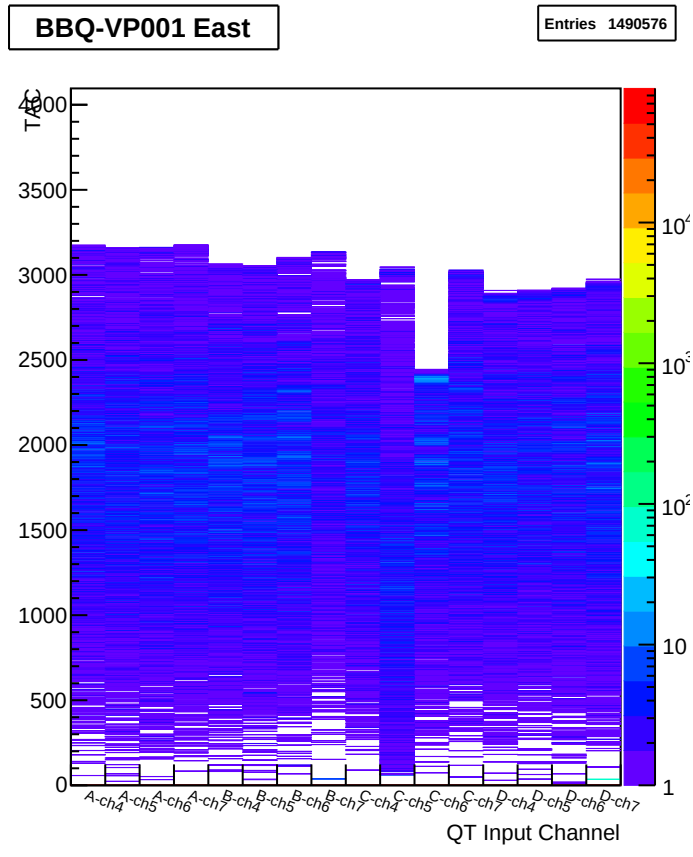

BBQ-BB002 (BBC west small tiles ADC)
Entries 1490576
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

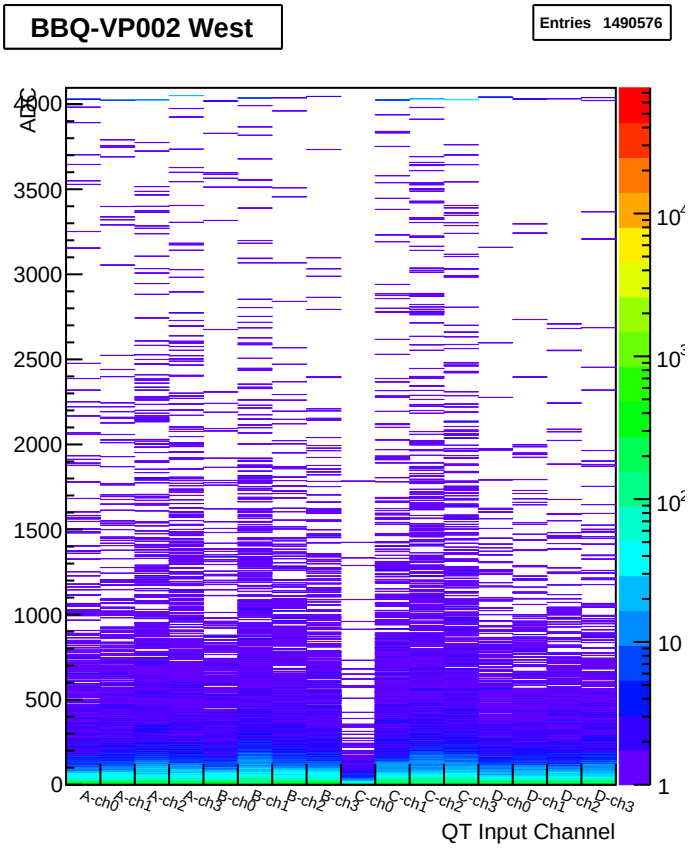

BBQ-BB002 (BBC west small tiles TAC)
Entries 1490576
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

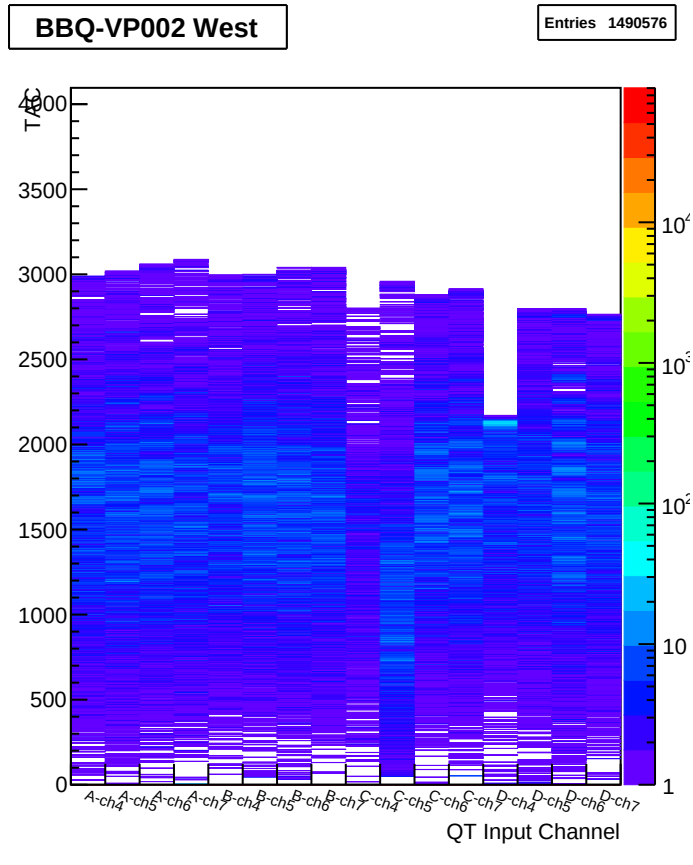

BBQ-ZD001 (ZDC TOWER)
Entries 1490576
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

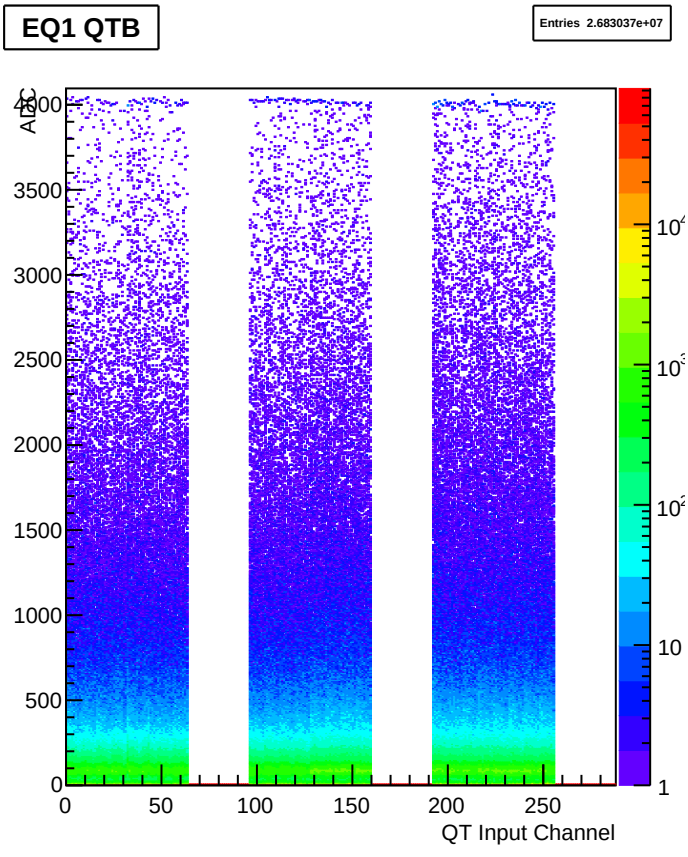

BBQ-ZD001 (ZDC TOWER)
Entries 1490576
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

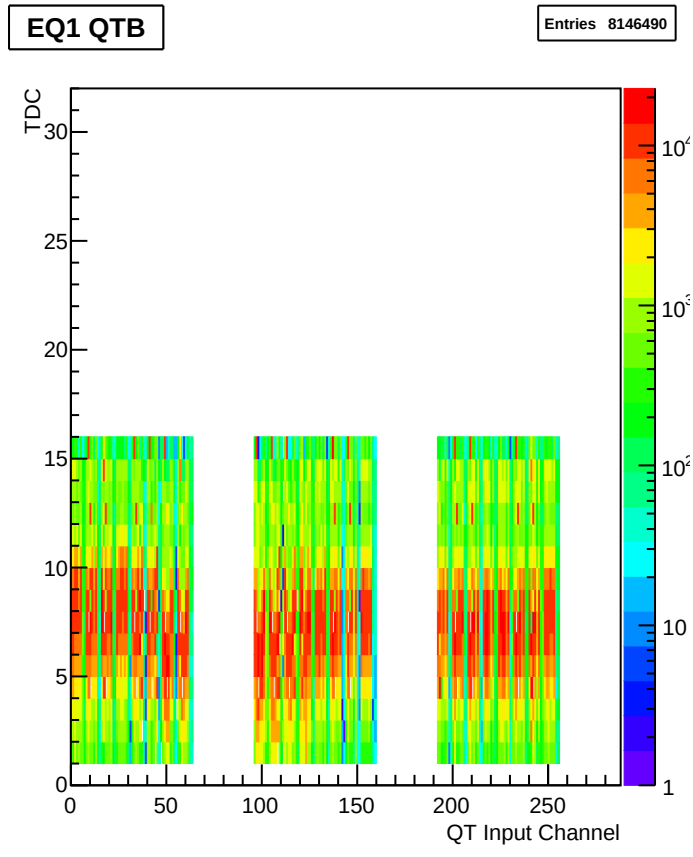

BBQ-VP001 East
Entries 1490576
ADC
QT Input Channel

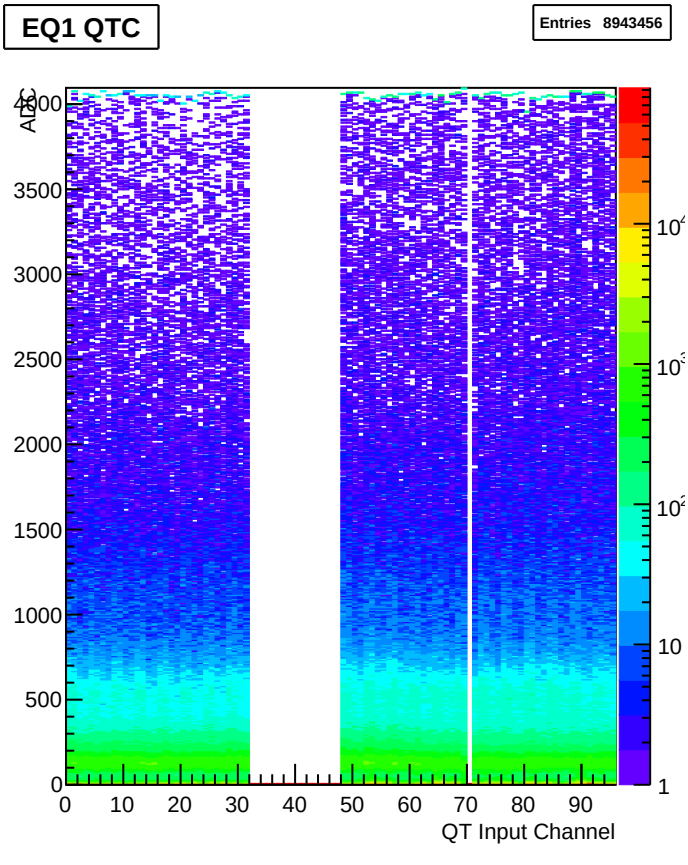

BBQ-VP001 East
Entries 1490576
TADC
QT Input Channel

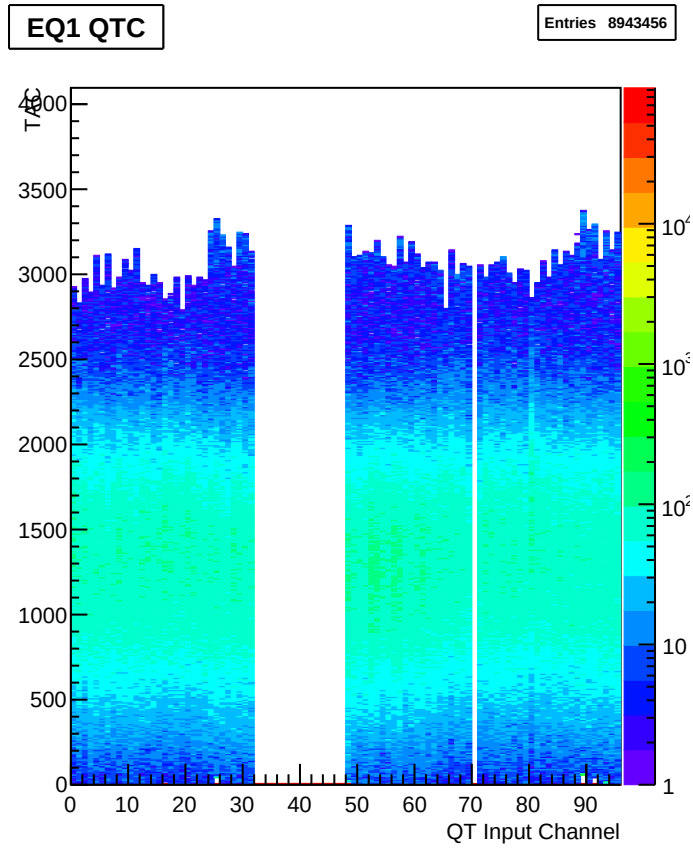

BBQ-VP002 West
Entries 1490576
ADC
QT Input Channel

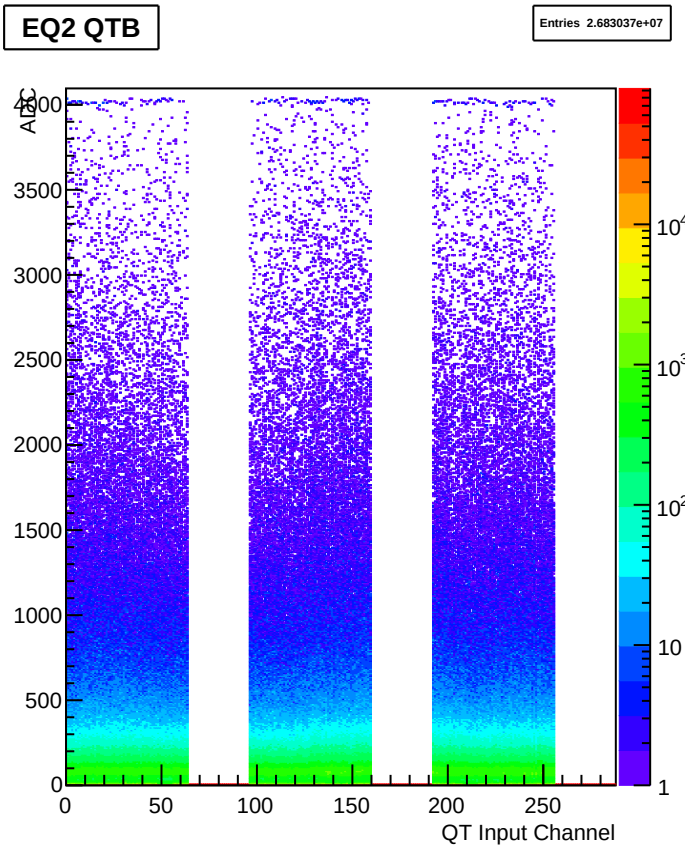

BBQ-VP002 West
Entries 1490576
TADC
QT Input Channel

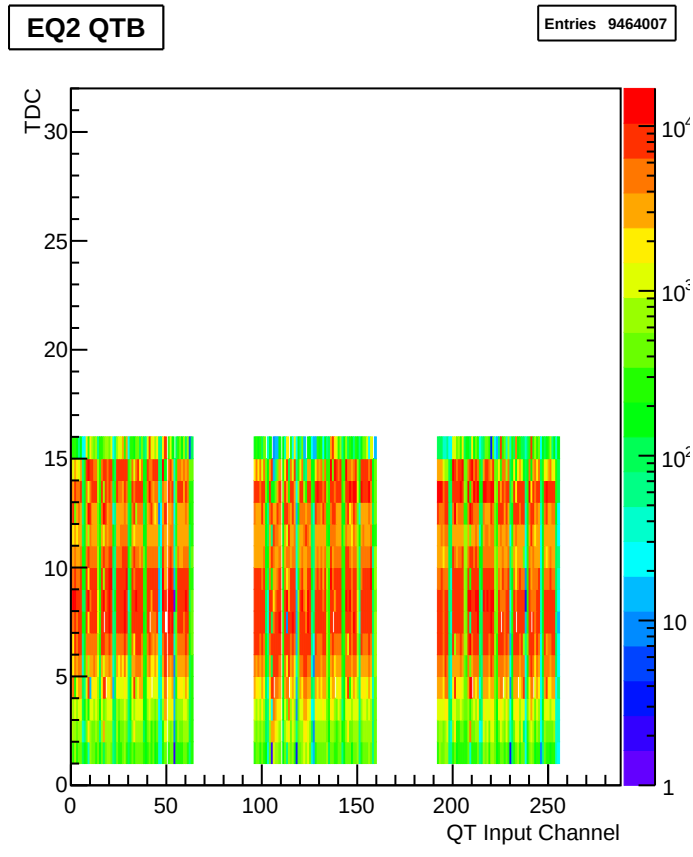

EQ1 QTB
Entries 2.683037e+07
ADC
QT Input Channel

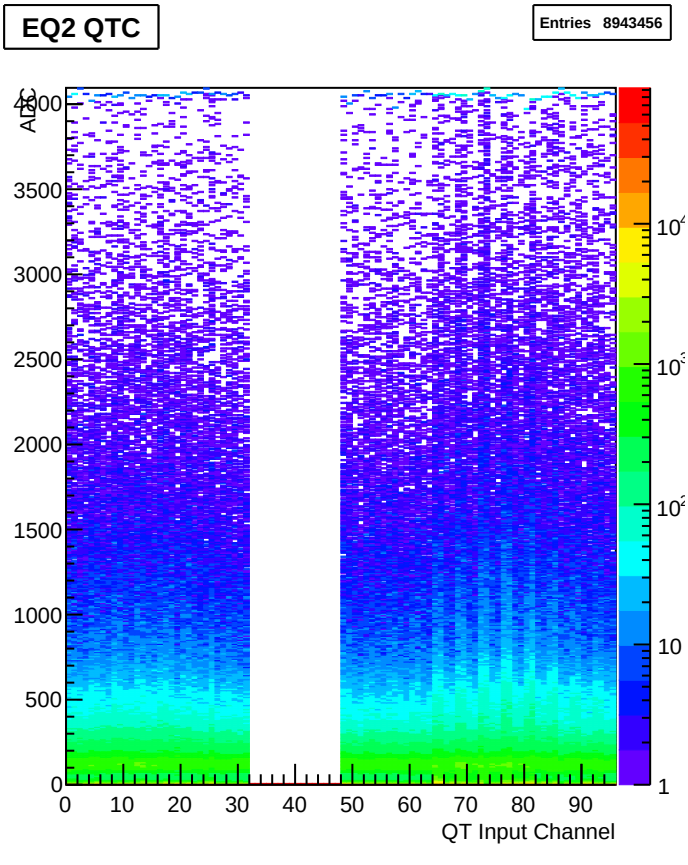

EQ1 QTB
Entries 8146490
TDC
QT Input Channel

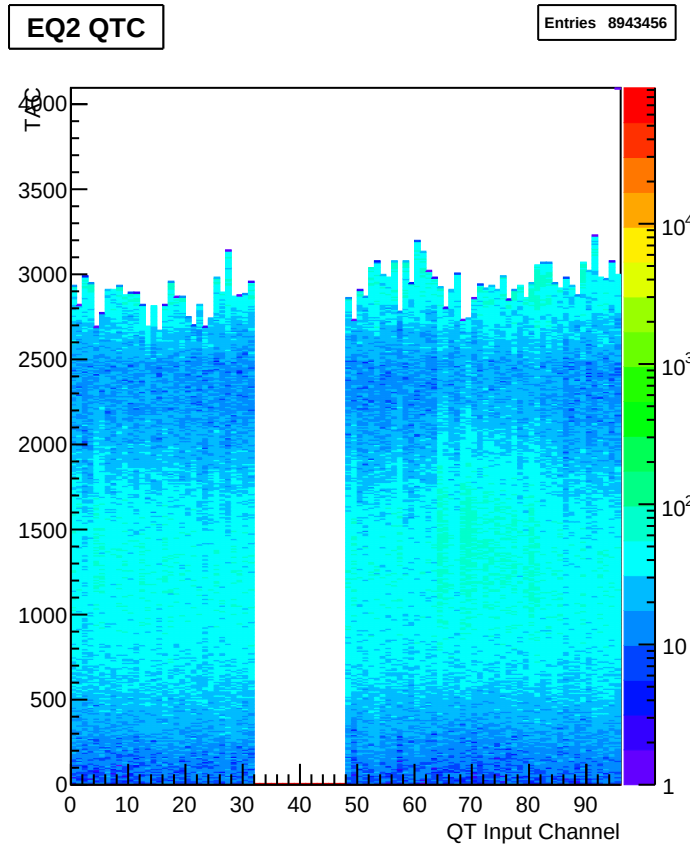

EQ1 QTC
Entries 8943456
ADC
QT Input Channel

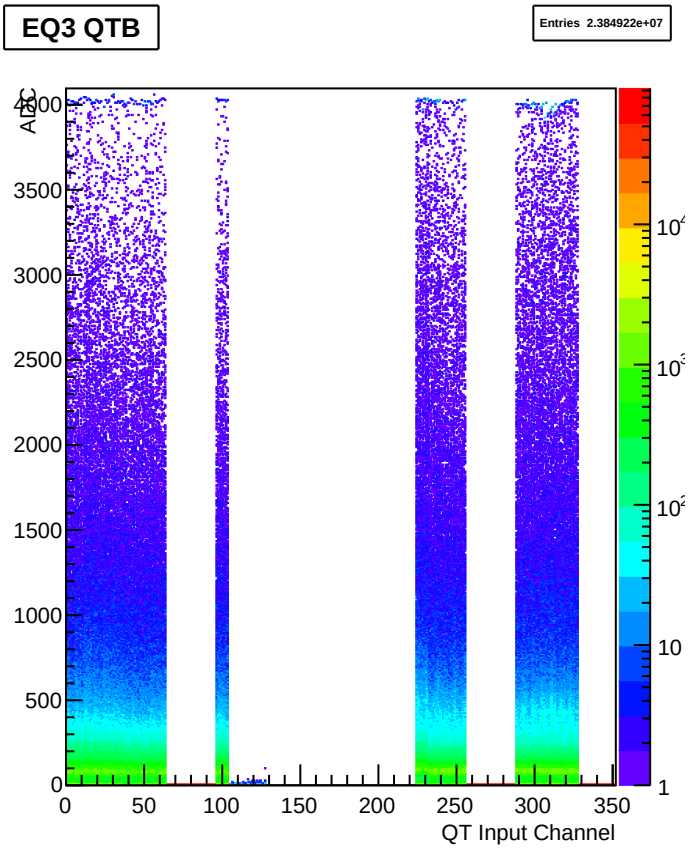

EQ1 QTC
Entries 8943456
TADC
QT Input Channel

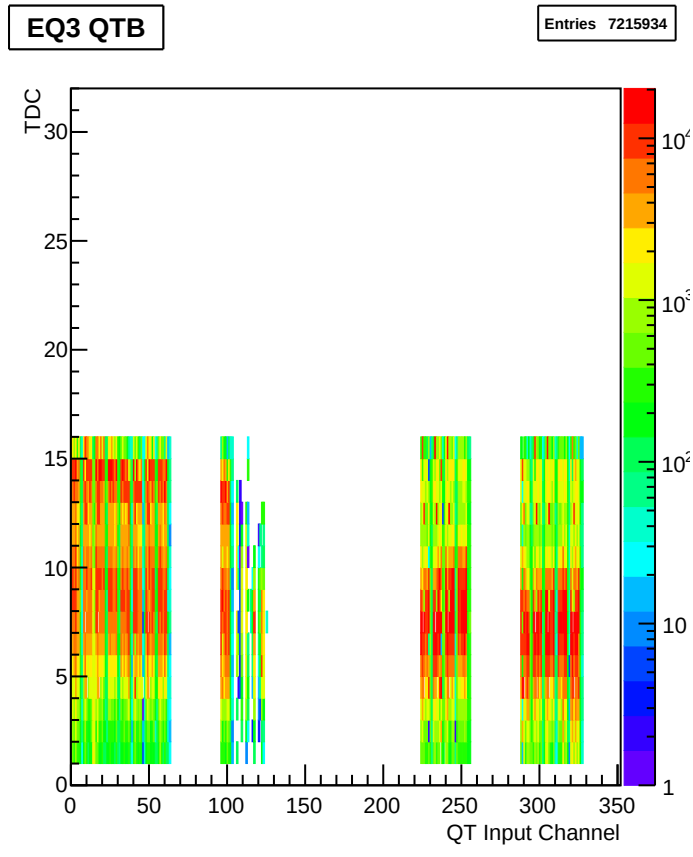

EQ2 QTB
Entries 2.683037e+07
ADC
QT Input Channel

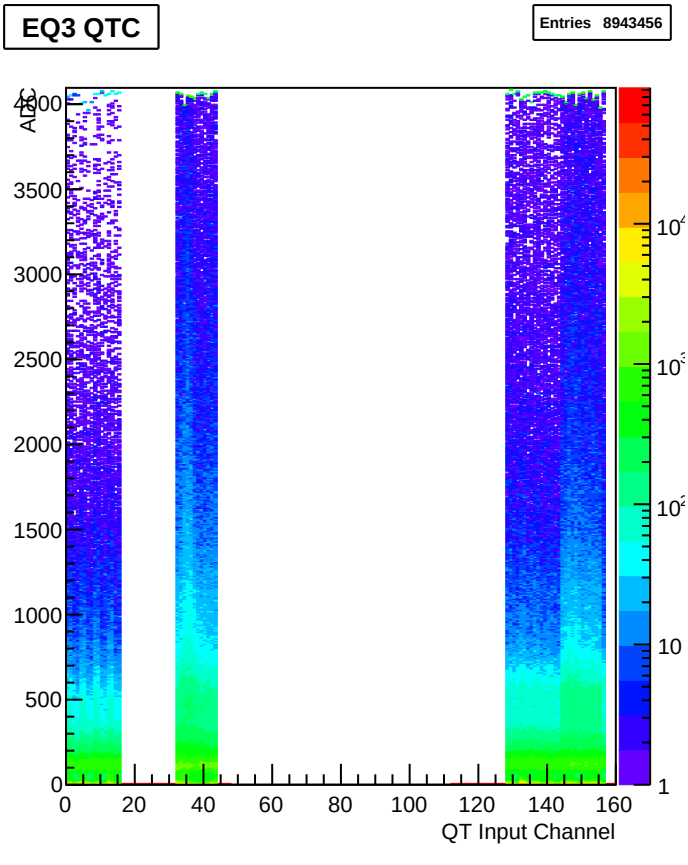

EQ2 QTB
Entries 9464007
TDC
QT Input Channel

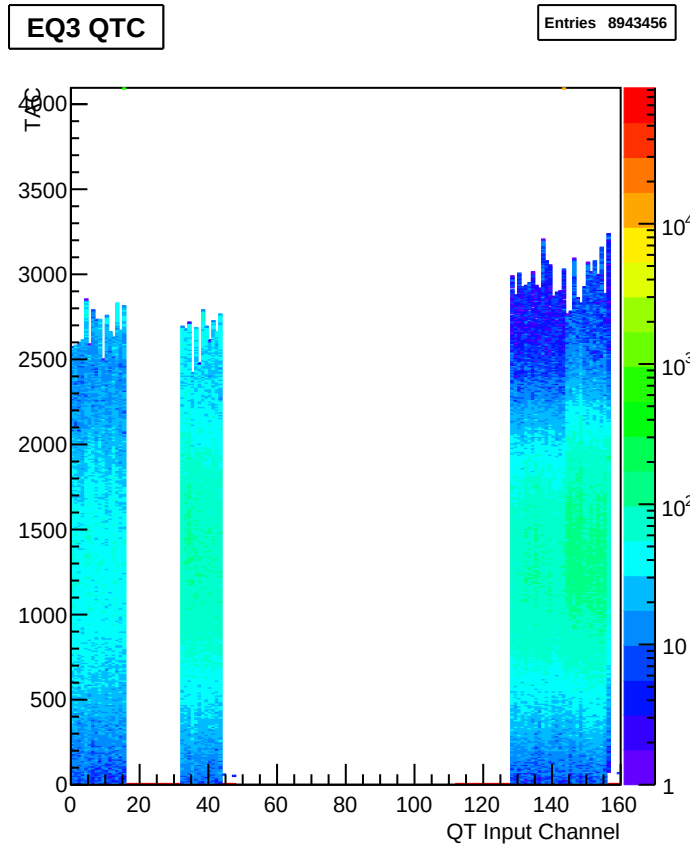

EQ2 QTC
Entries 8943456
ADC
QT Input Channel

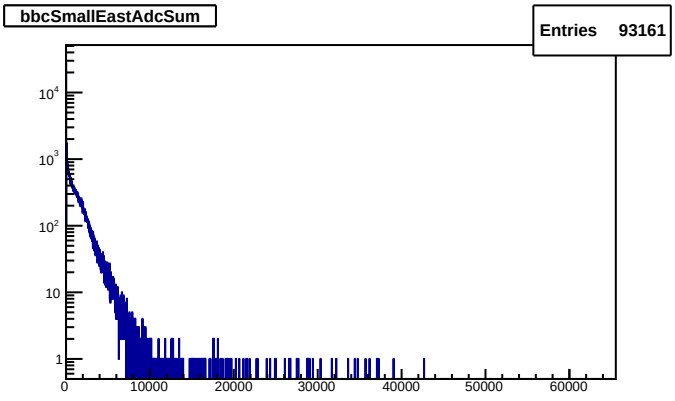

EQ2 QTC
Entries 8943456
TADC
QT Input Channel

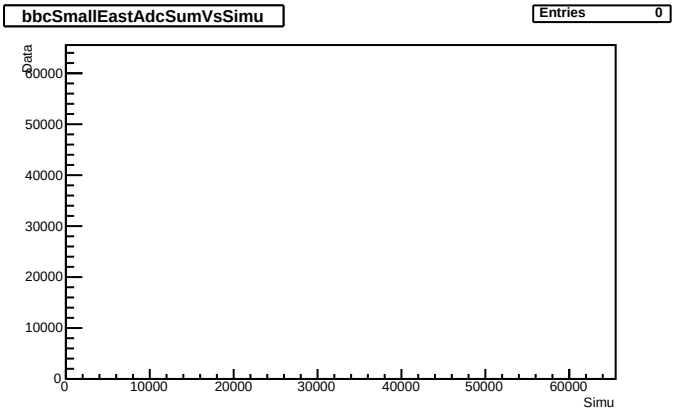

EQ3 QTB
Entries 2.384922e+07
ADC
QT Input Channel

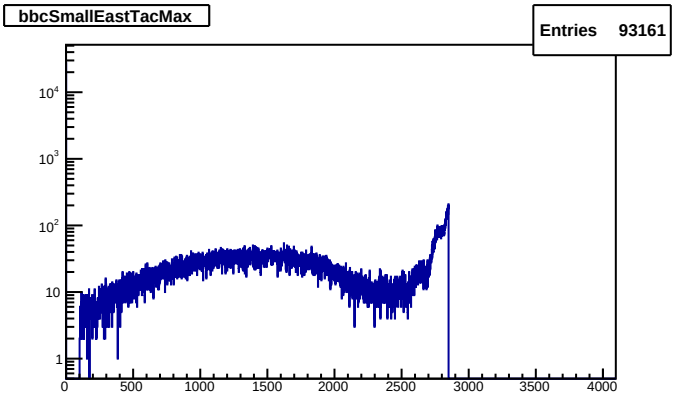

EQ3 QTB
Entries 7215934
TDC
QT Input Channel

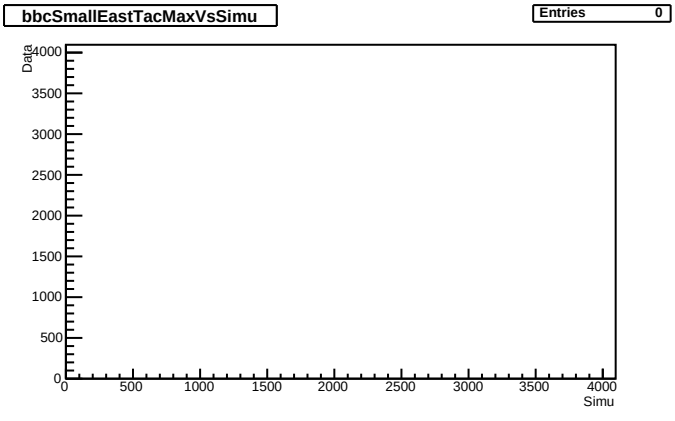

EQ3 QTC
Entries 8943456
ADC
QT Input Channel

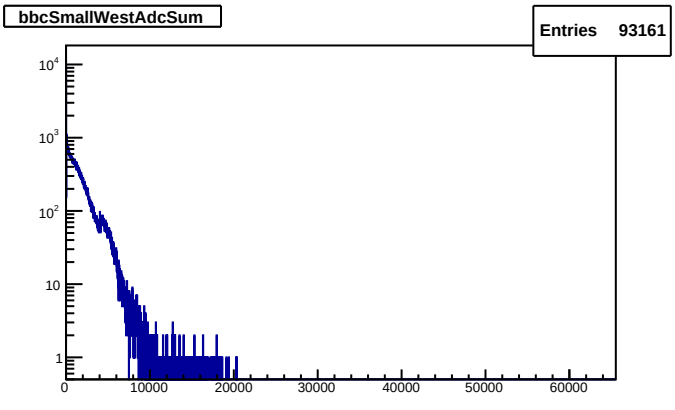

EQ3 QTC
Entries 8943456
TADC
QT Input Channel

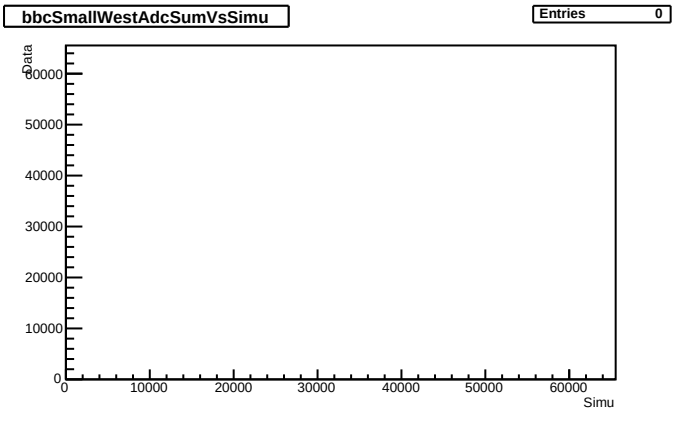

bbcSmallEastAdcSum
Entries 93161

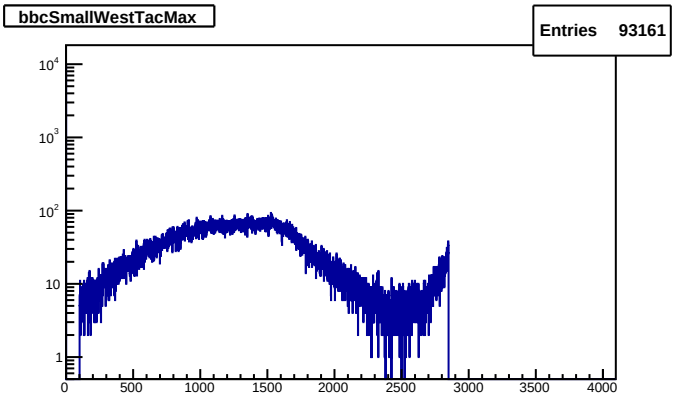

bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 93161


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 93161


bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu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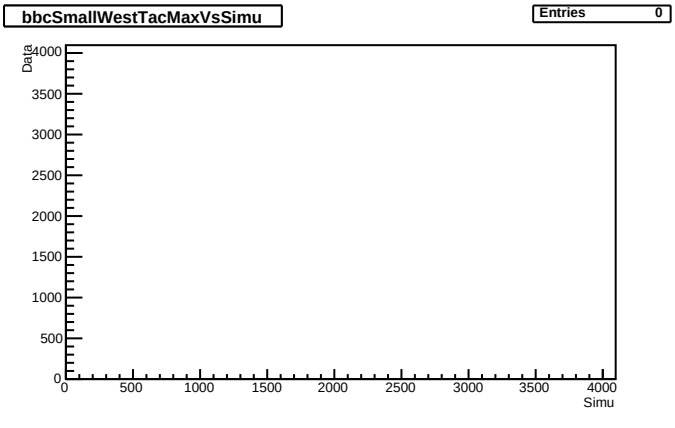
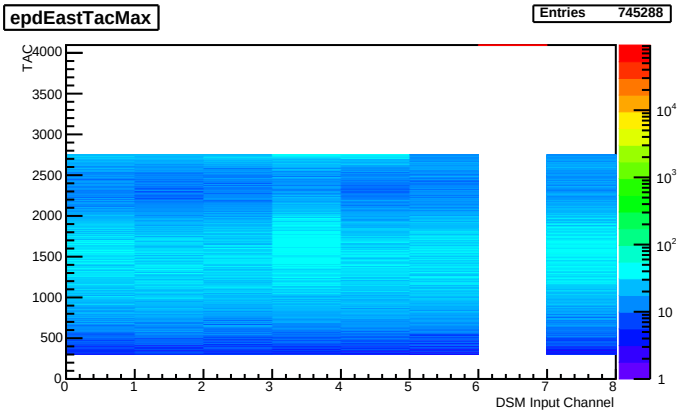
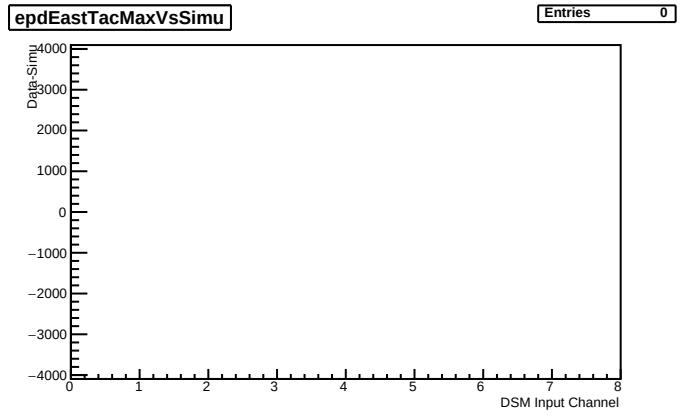
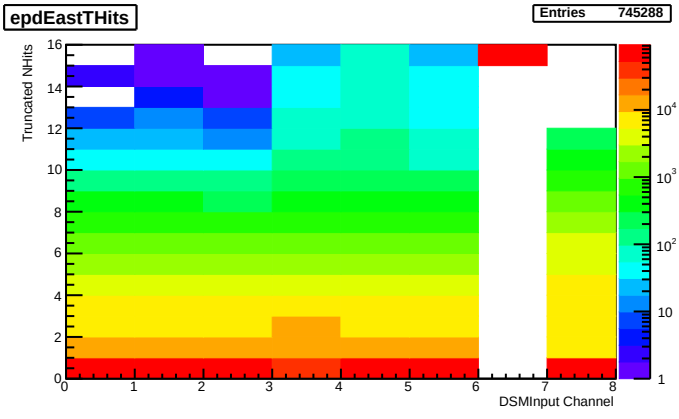
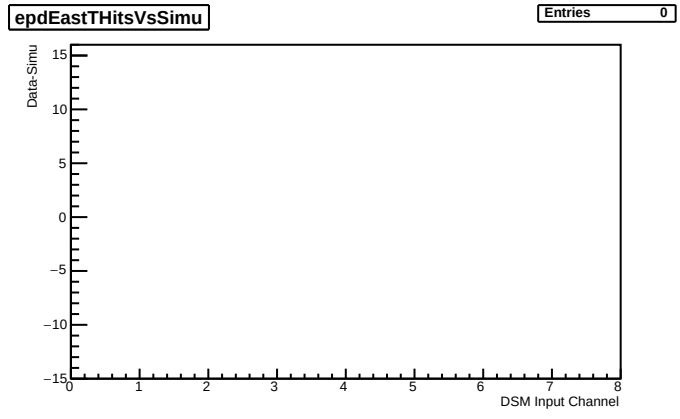
Entries 93161


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 745288
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 745288
Truncated NHits
DSMInput Channel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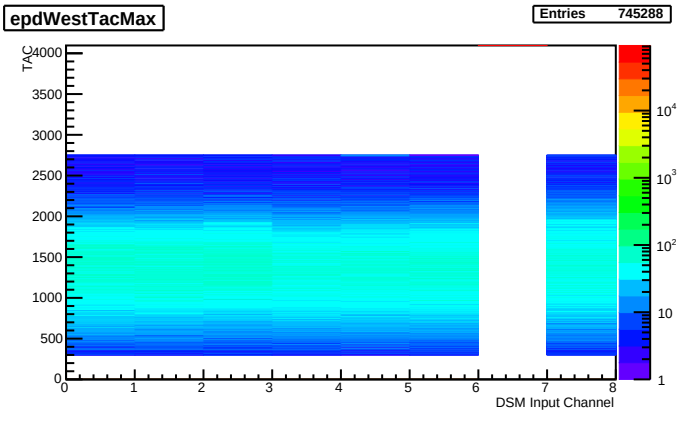
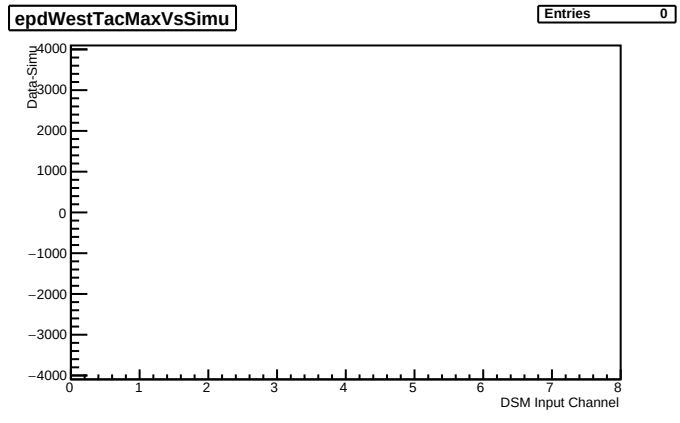
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 745288
TAC
DSM Input Channel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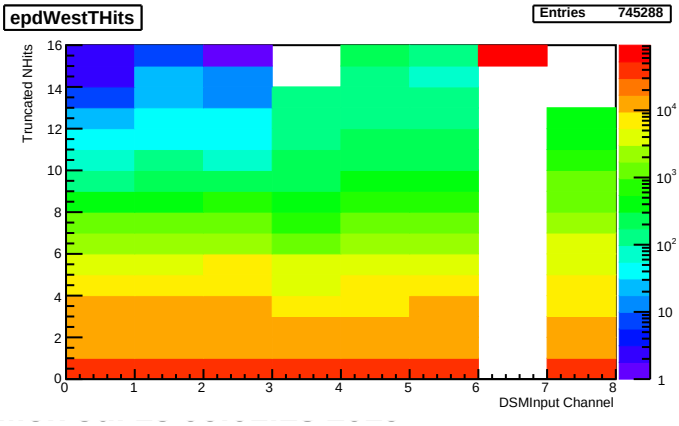
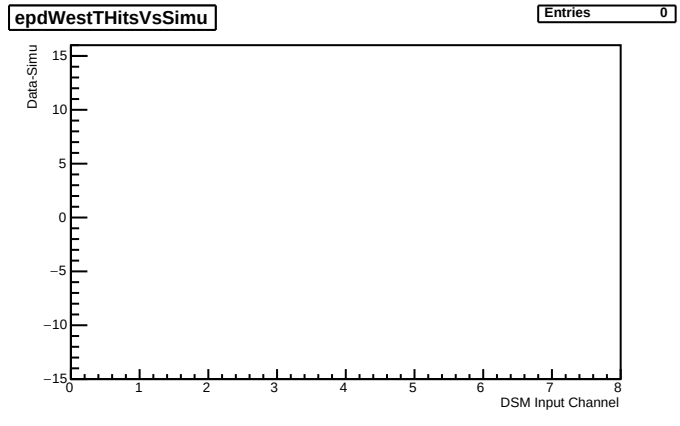
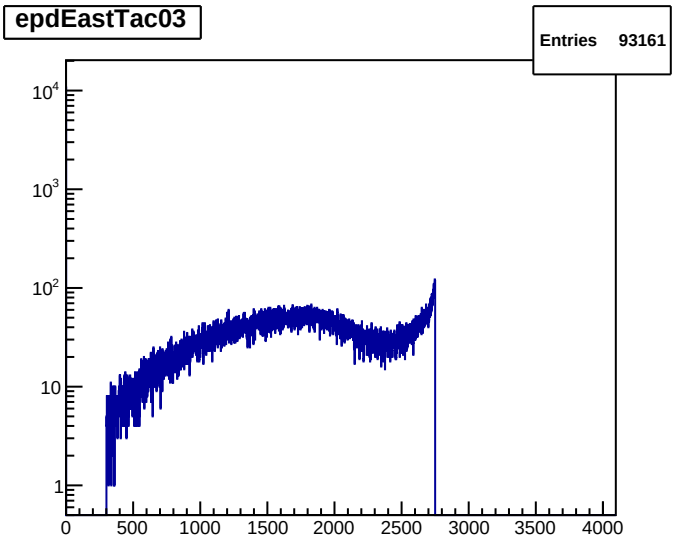
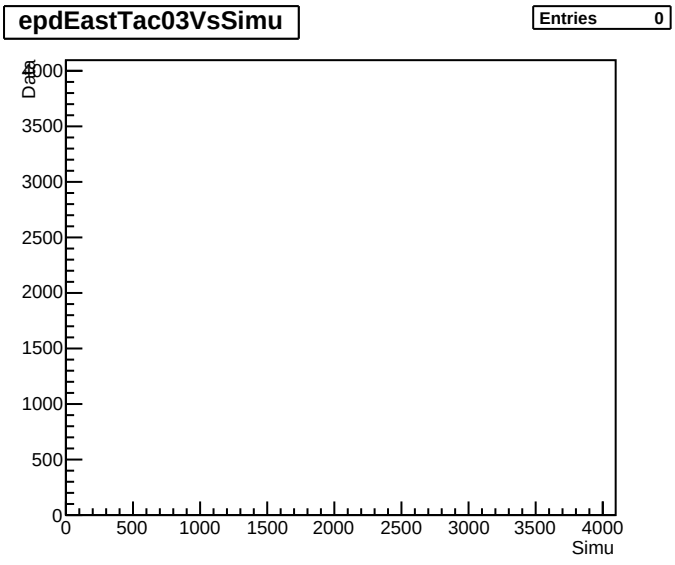
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 745288
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 93161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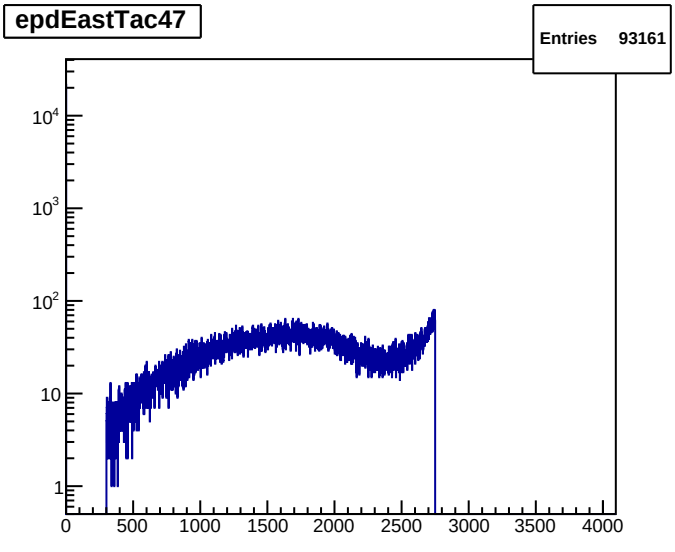
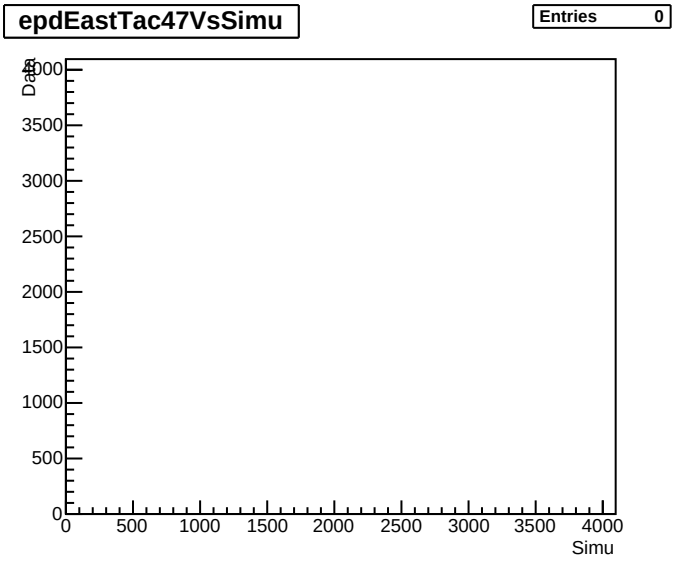
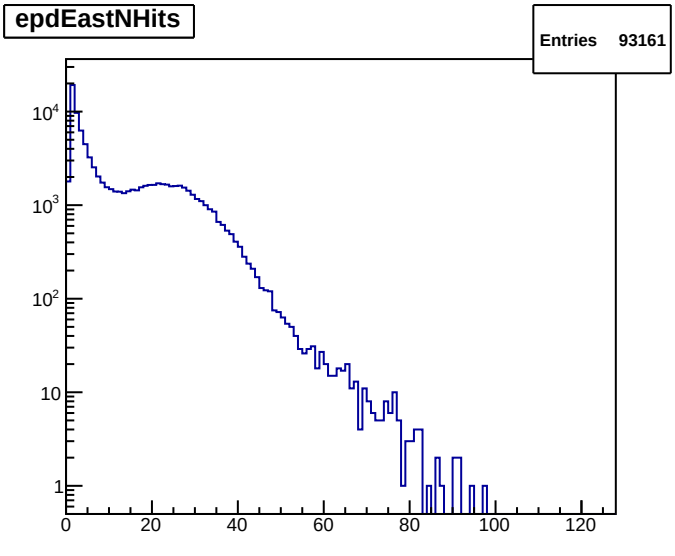
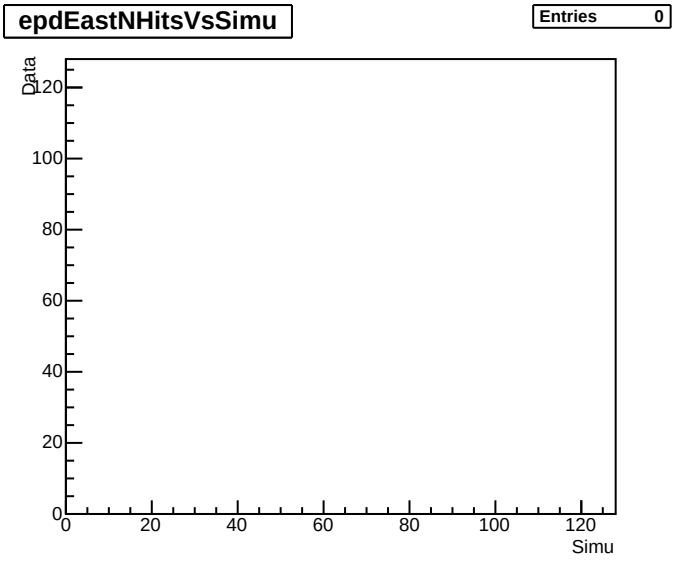
Entries 0
Data
Simu


epdEastTac47
Entries 93161


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 93161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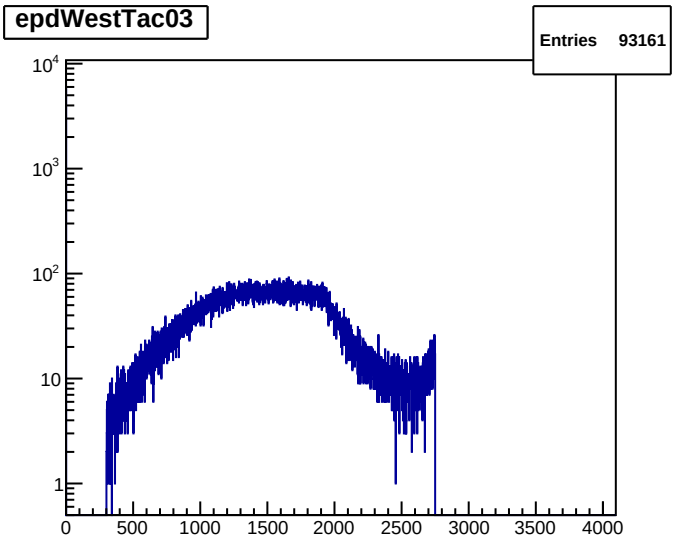
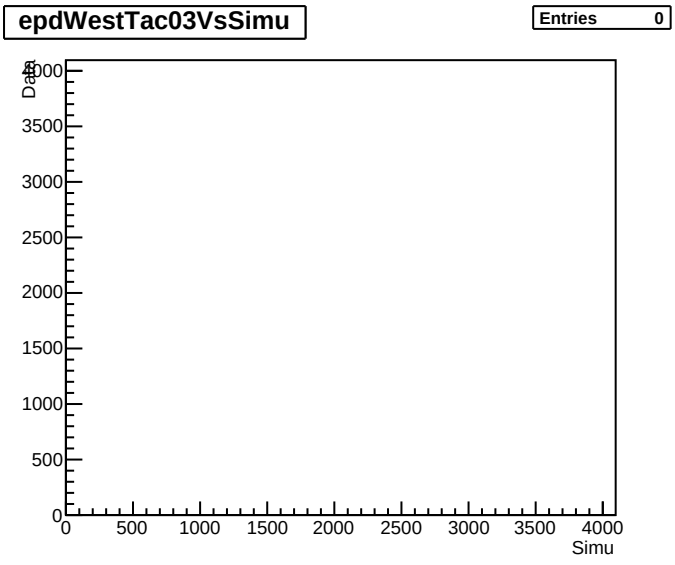
Entries 0
Data
Simu


epdWestTac03
Entries 93161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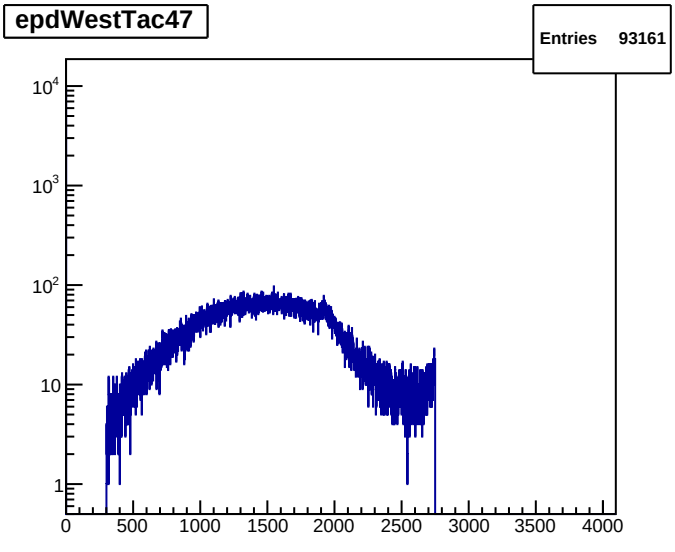
Entries 0
Data
Simu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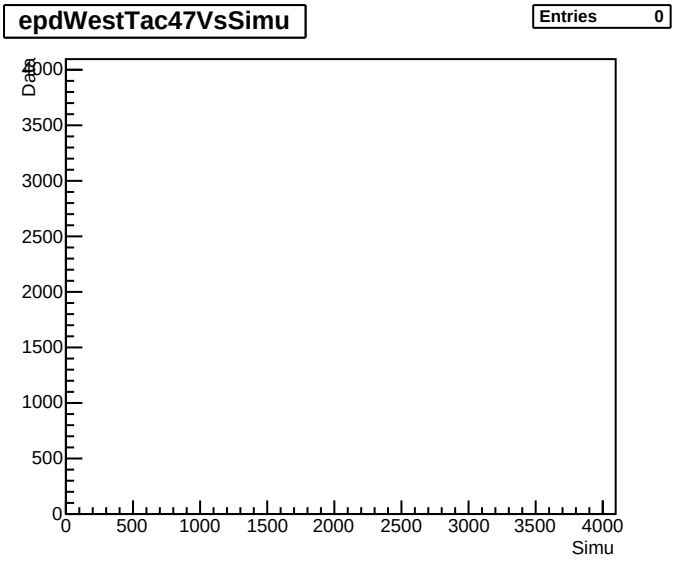
Entries 93161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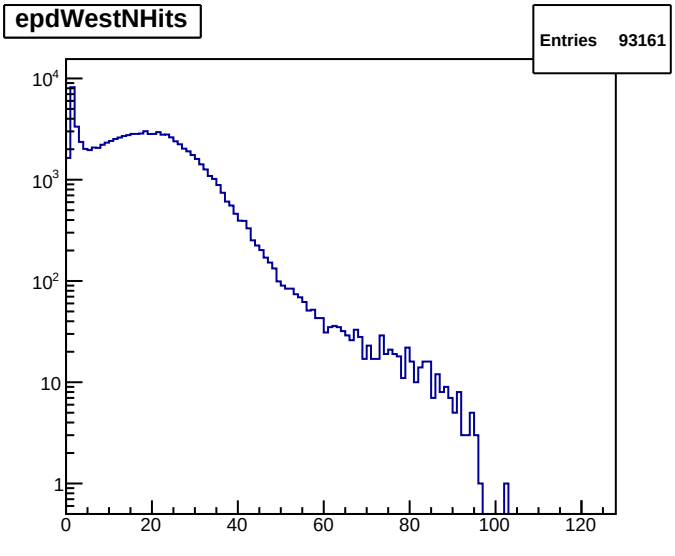
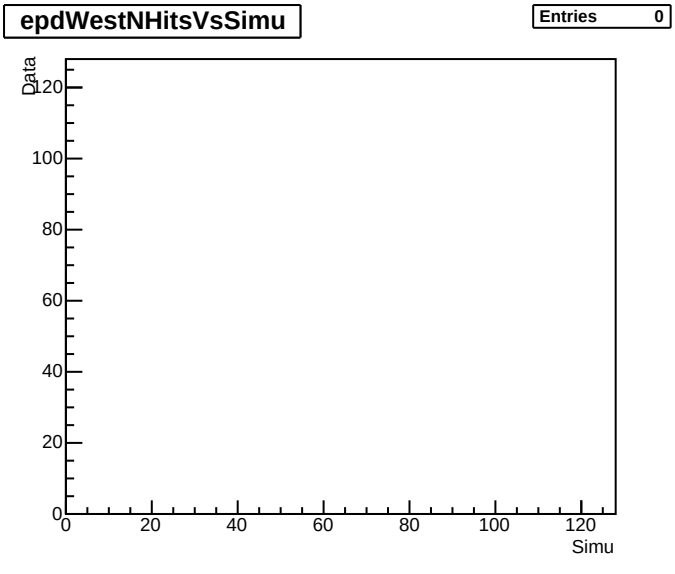
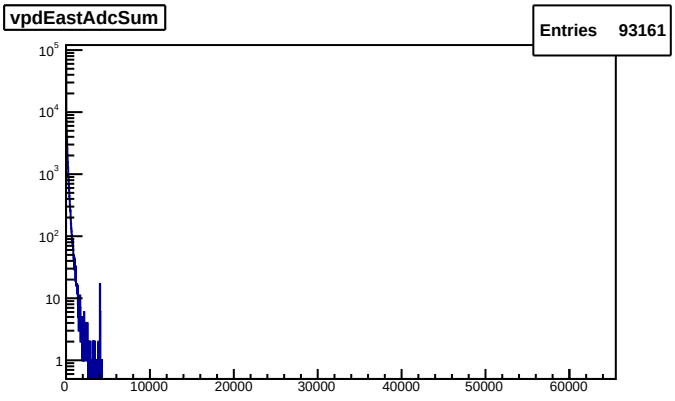
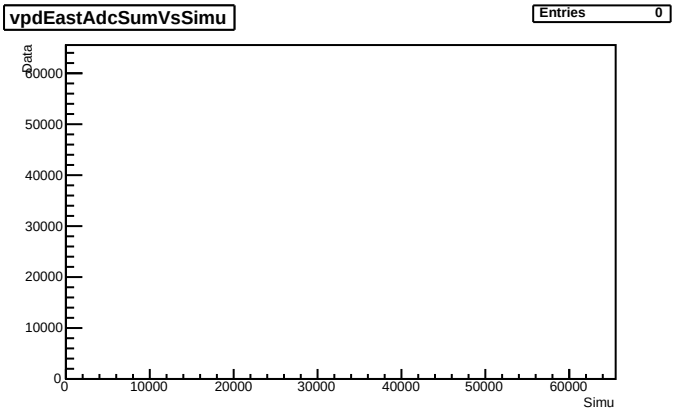
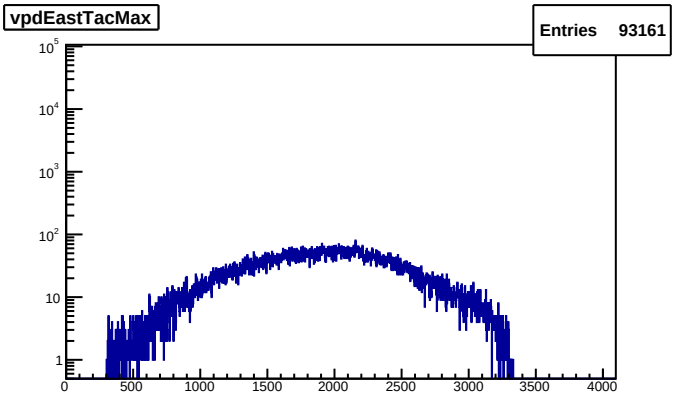
Entries 0
Data
Simu

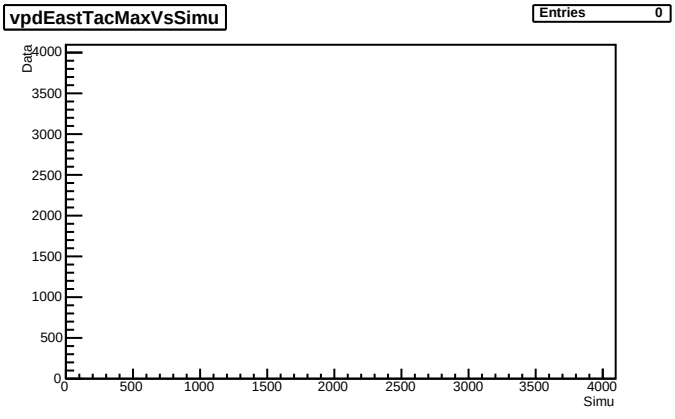

epdWestNHits
Entries 93161

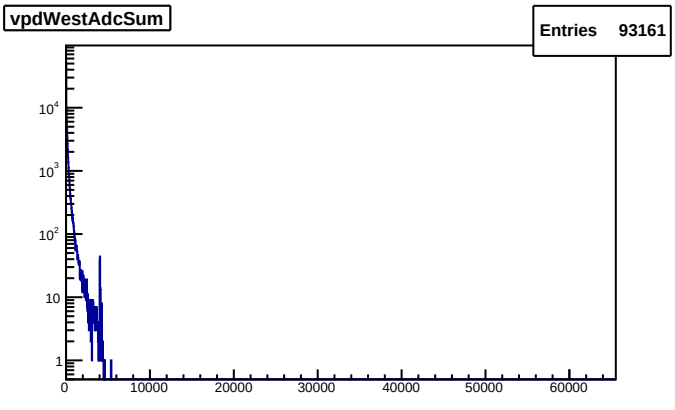

epdWestNHitsVsSimu
Entries 0
Data
Simu

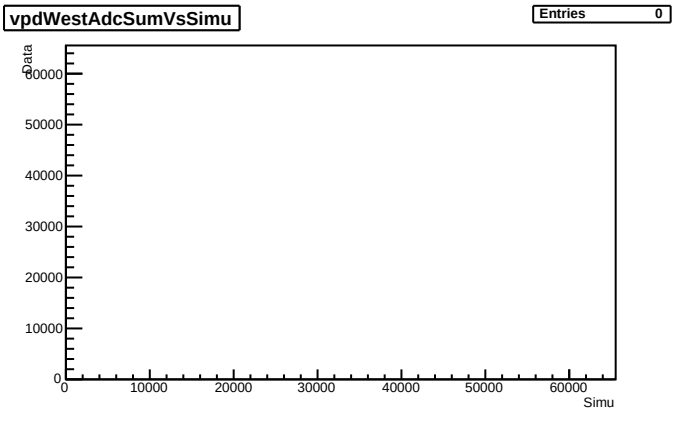

vpdEastAdcSum
Entries 93161


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 93161


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 93161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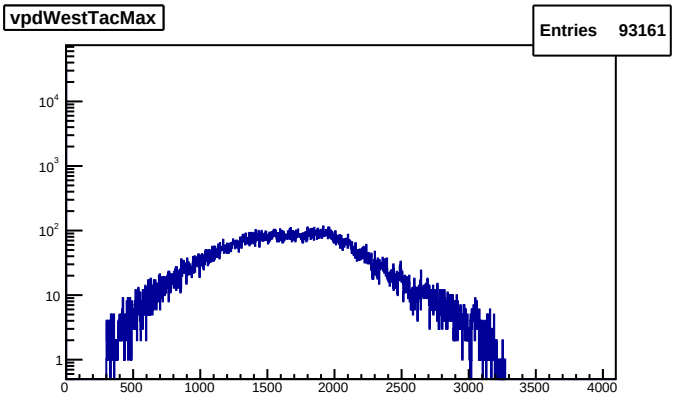
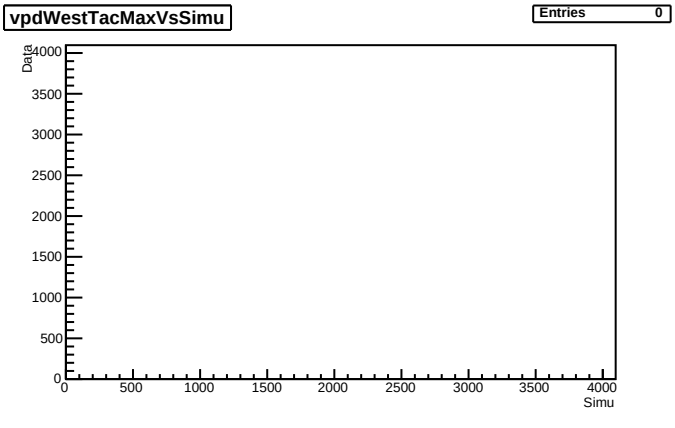
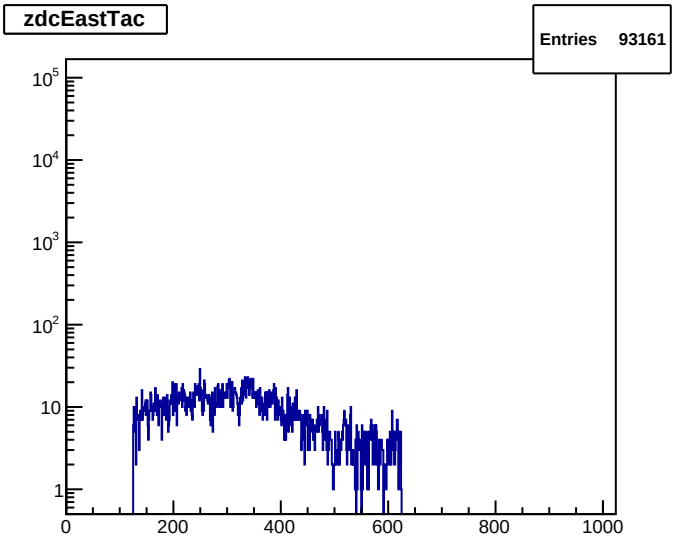
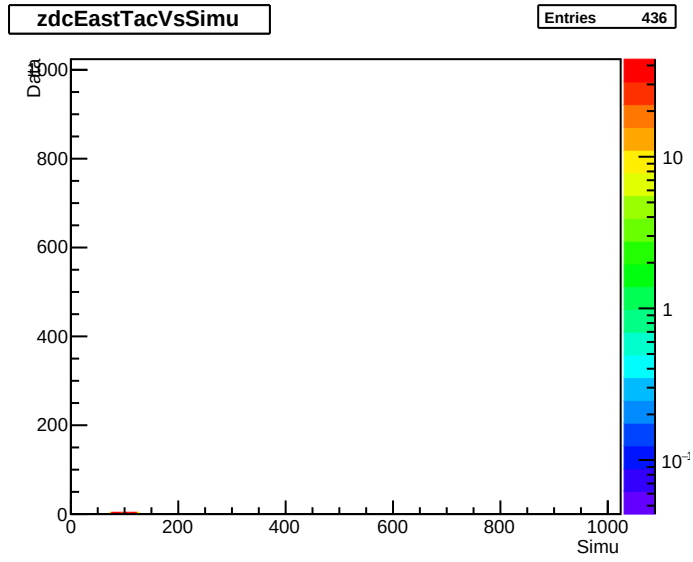
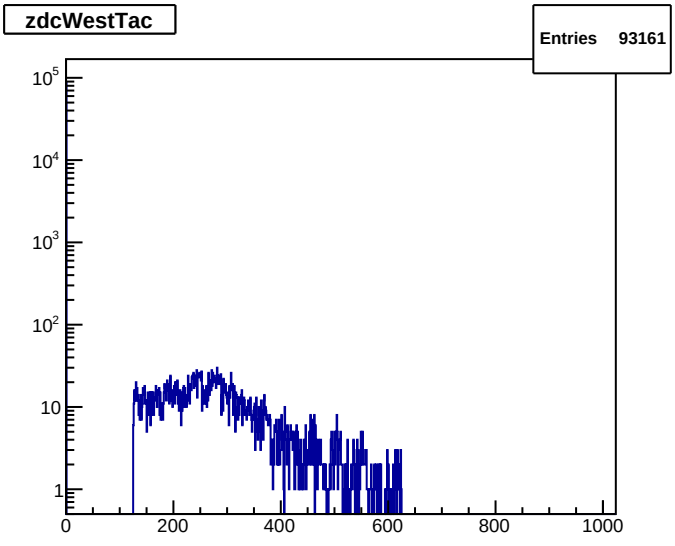
Entries 0
Data
Simu

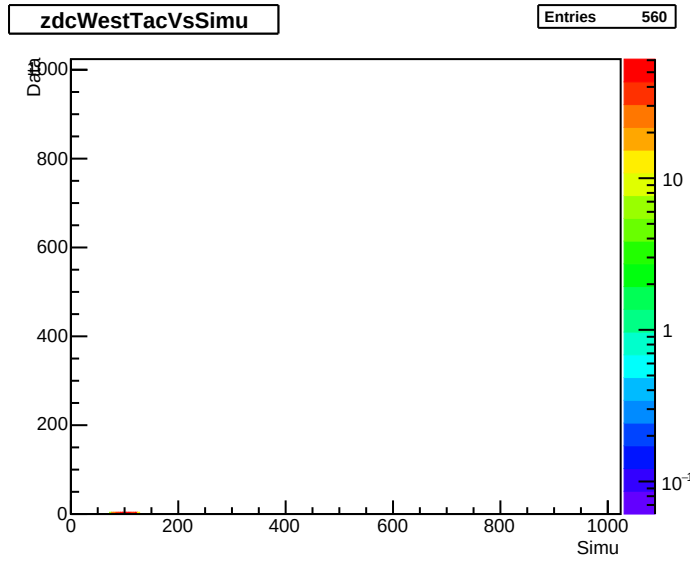

vpdWestTacMax
Entries 93161

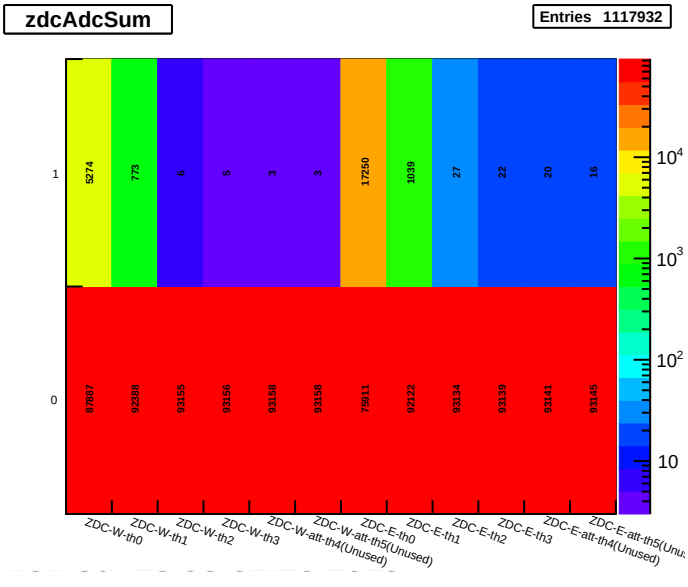

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

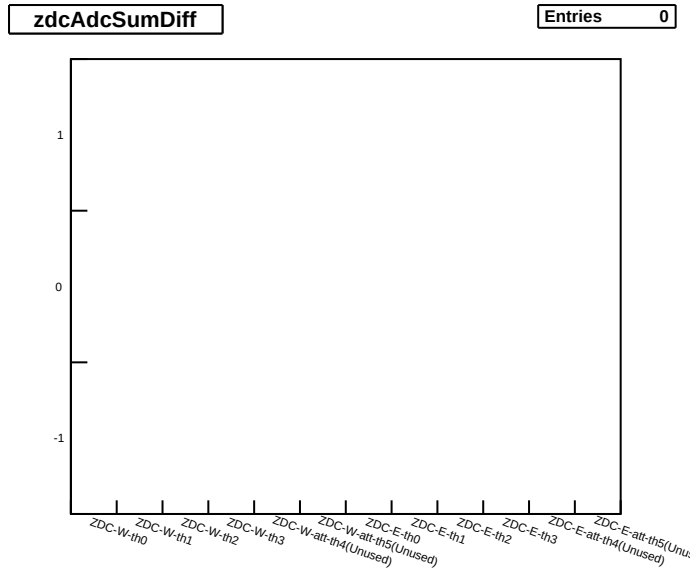

zdcEastTac
Entries 93161

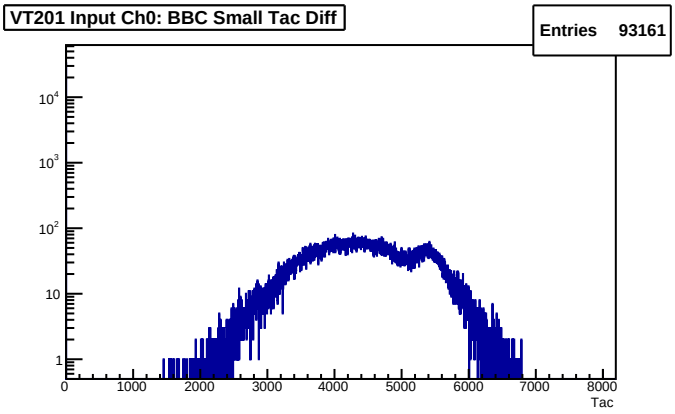

zdcEastTacVsSimu
Entries 436
Data
Simu

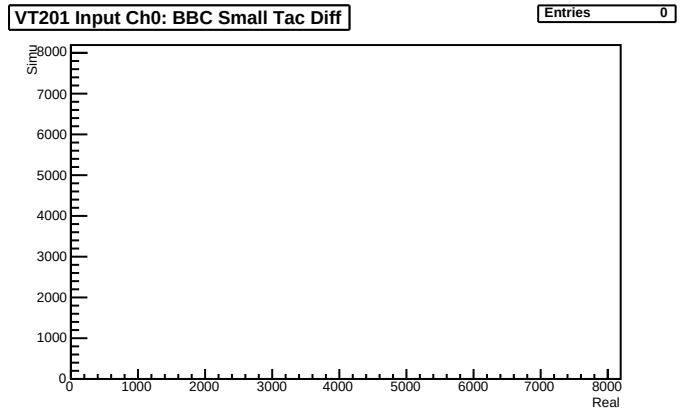

zdcWestTac
Entries 93161

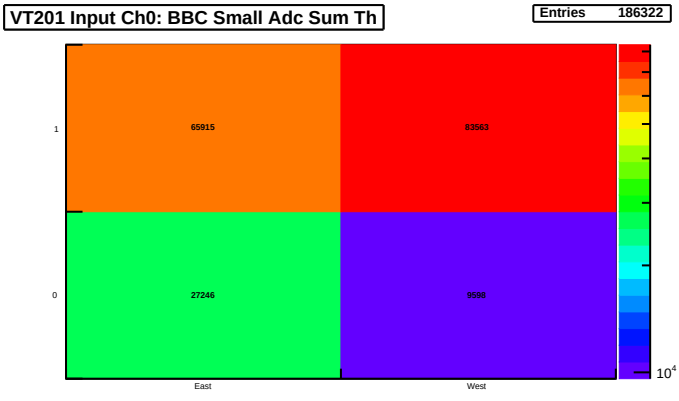

zdcWestTacVsSimu
Entries 560
Data
Simu

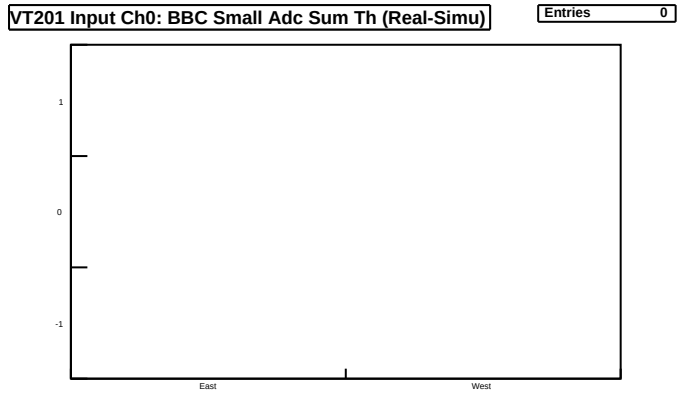

zdcAdcSum
Entries 1117932
5274
773
6
5
3
3
17250
1039
27
22
20
16
87887
92288
93155
93156
93158
93158
79911
92222
93134
93339
93141
93145
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

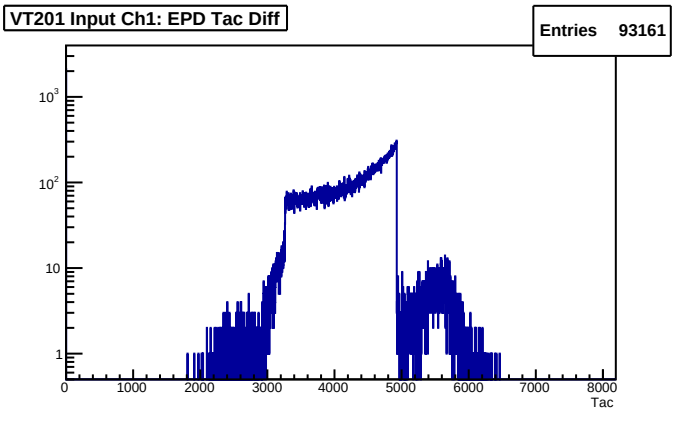

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

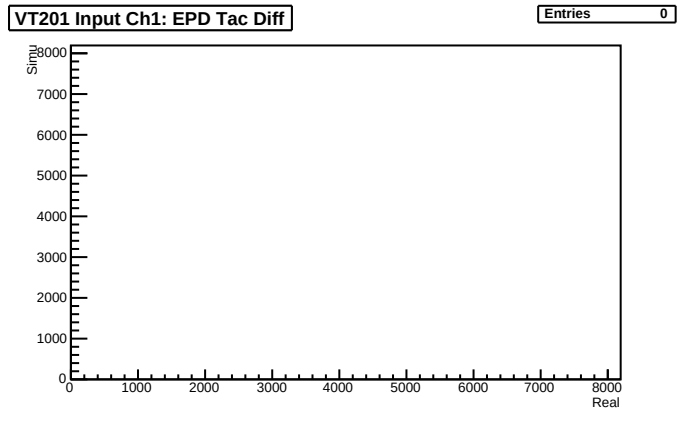

VT201 Input Ch0: BBC Small Tac Diff
Entries 93161
Tac

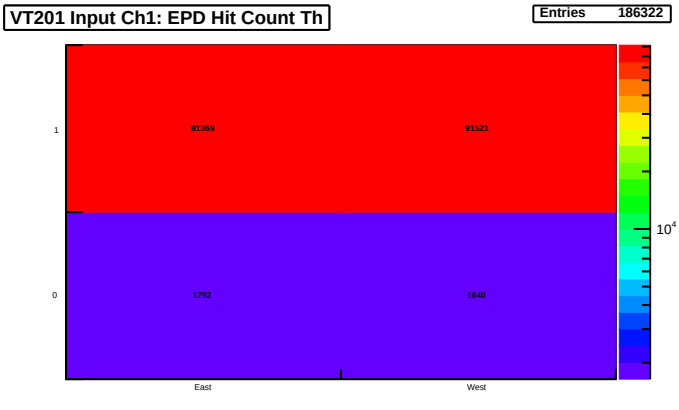

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

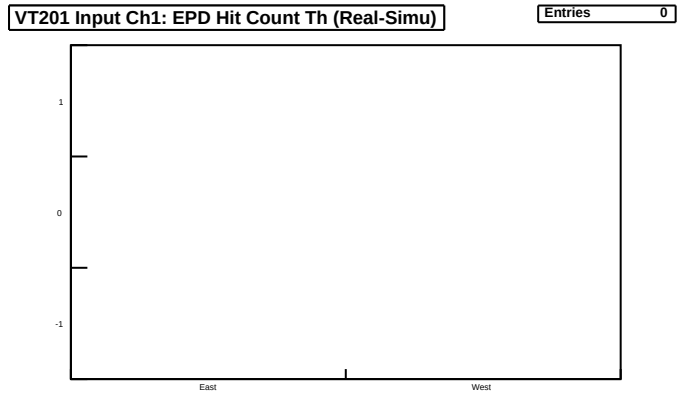

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 186322
65915
83563
27246
9598
East
West

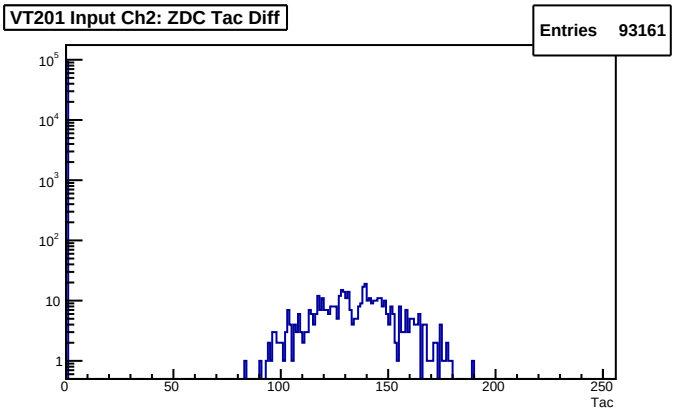

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

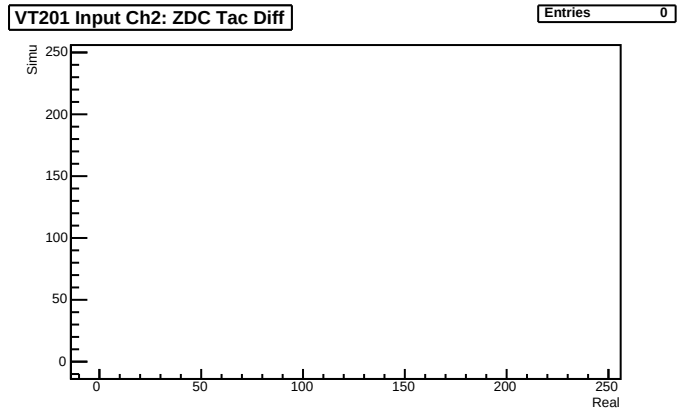

VT201 Input Ch1: EPD Tac Diff
Entries 93161
Tac

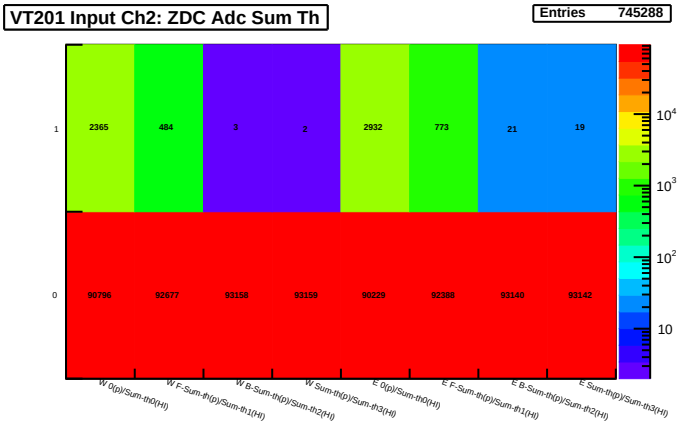

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

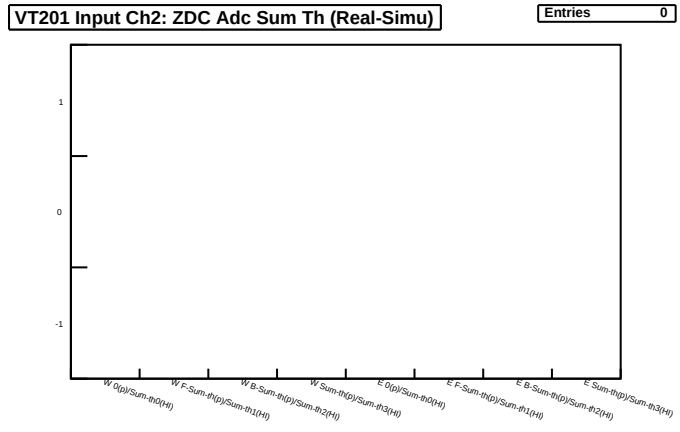

VT201 Input Ch1: EPD Hit Count Th
Entries 186322
91369
91521
1792
1640
East
West

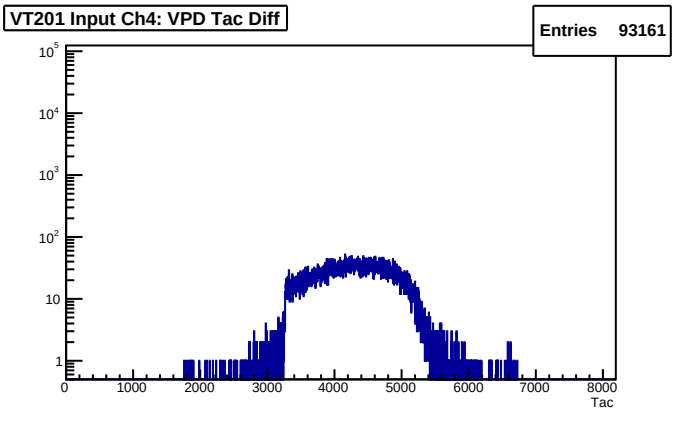

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

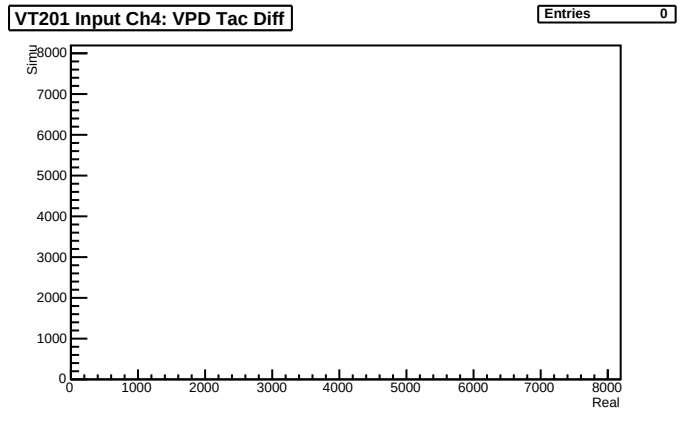

VT201 Input Ch2: ZDC Tac Diff
Entries 93161
Tac

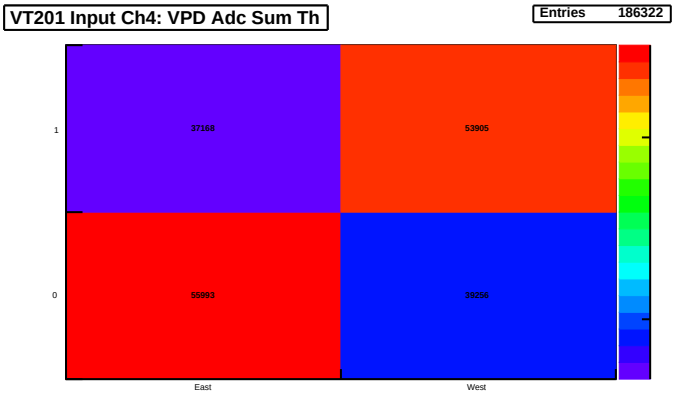

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

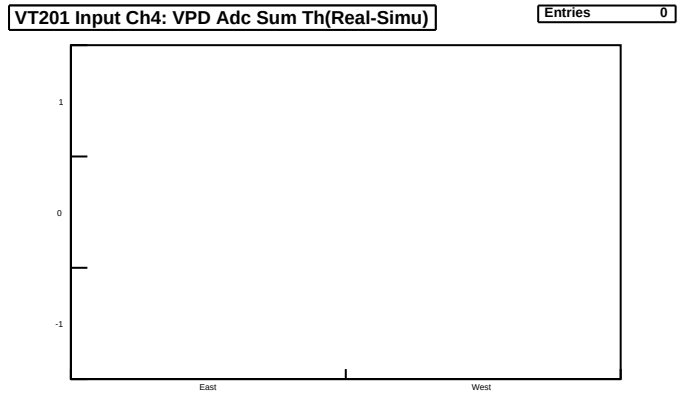

VT201 Input Ch2: ZDC Adc Sum Th
Entries 745288
2365
484
3
2
2932
773
21
19
90796
92677
93158
93159
90229
92388
93140
93142
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

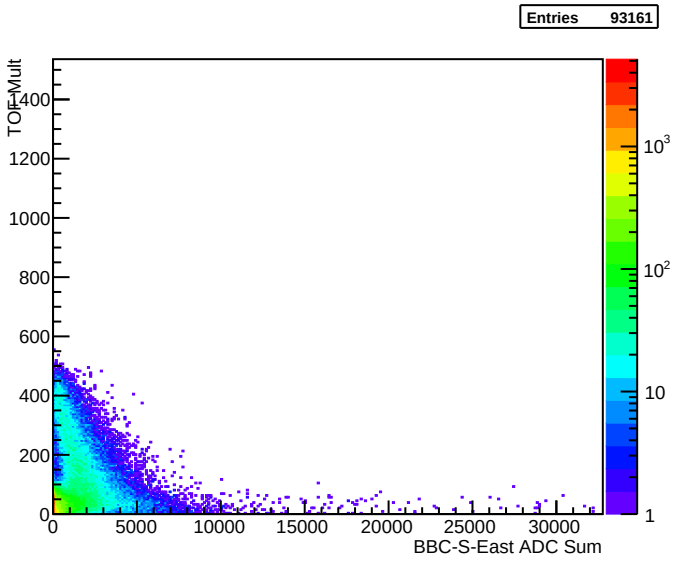

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

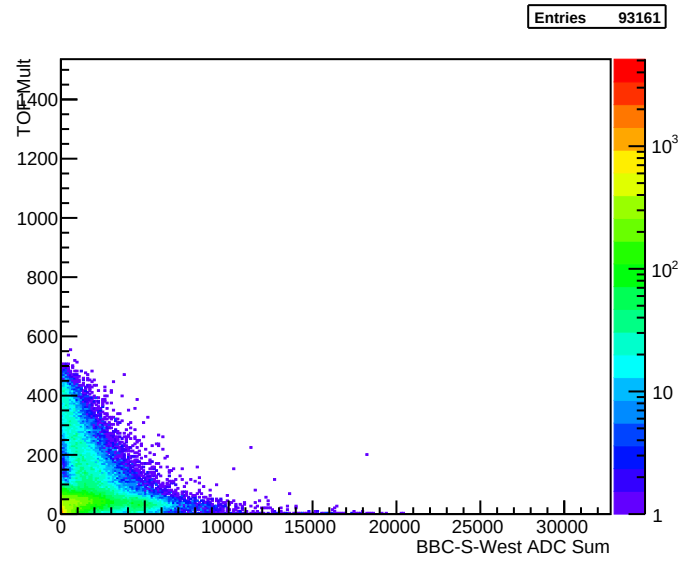

VT201 Input Ch4: VPD Tac Diff
Entries 93161
Tac

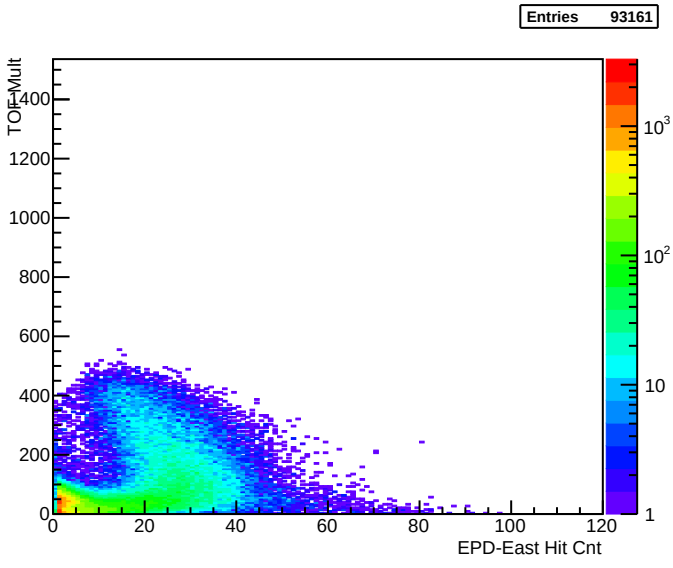

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

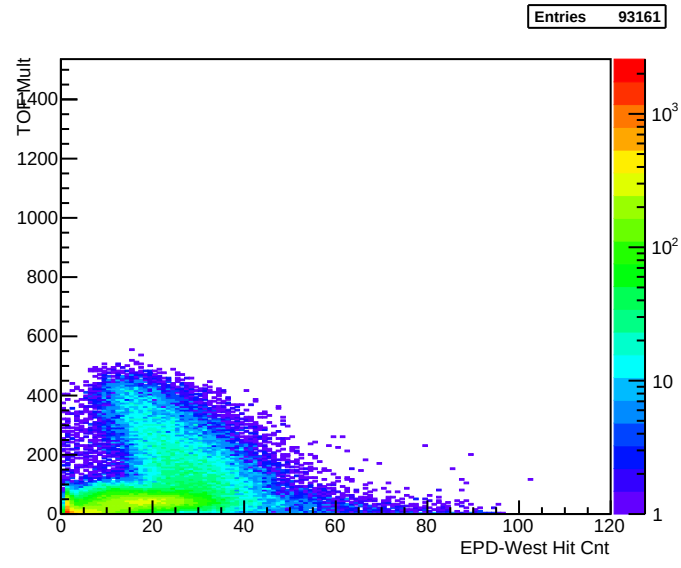

VT201 Input Ch4: VPD Adc Sum Th
Entries 186322
37168
53905
55993
39256
East
West

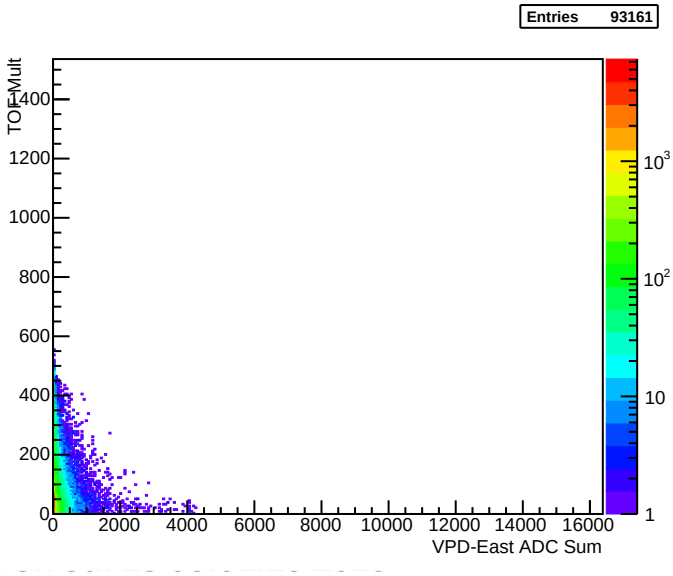

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

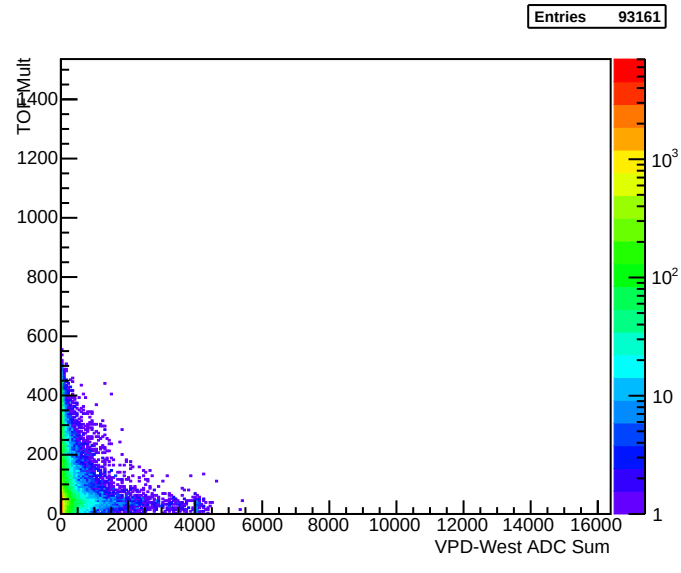

Entries 93161
TOF-Mult
BBC-S-East ADC Sum

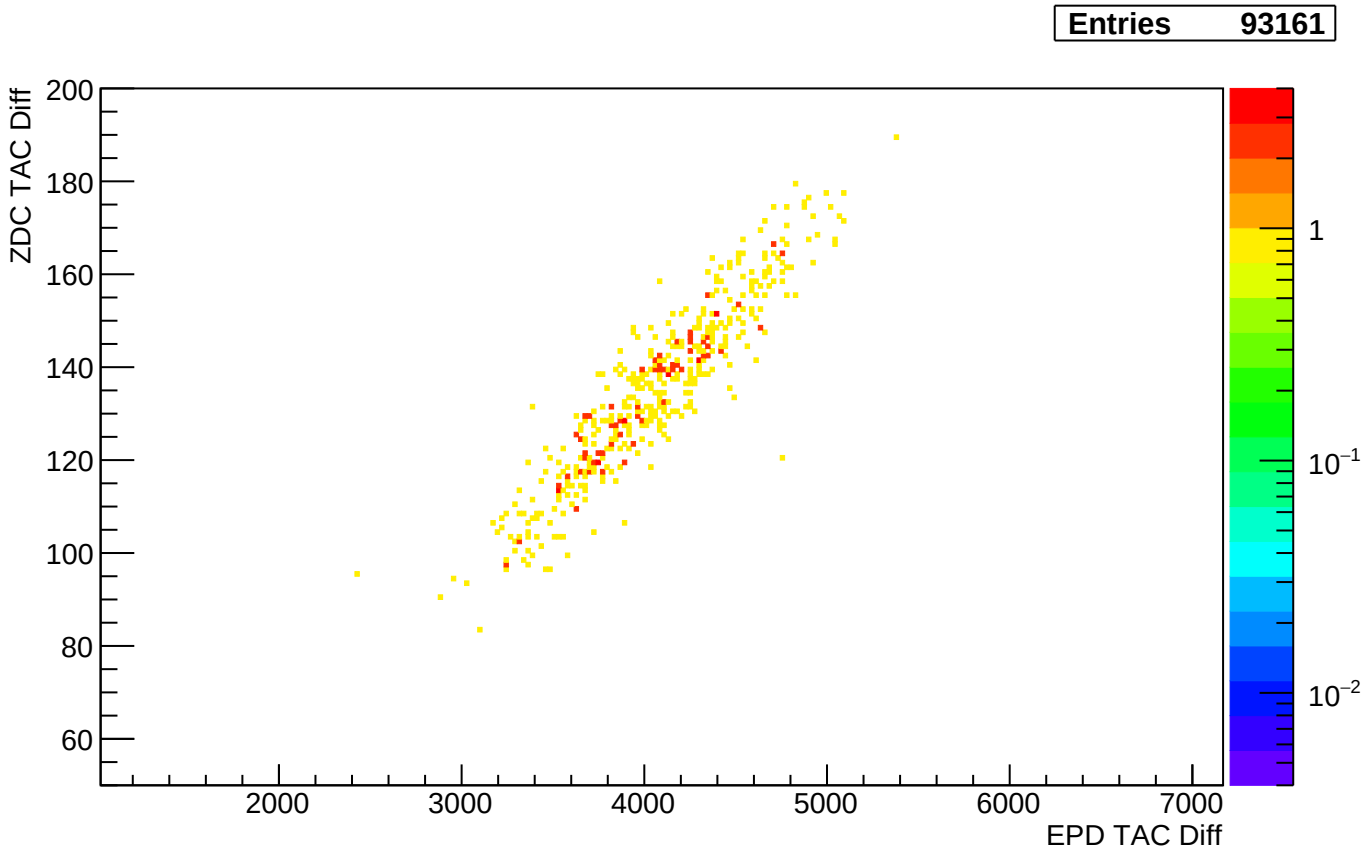

Entries 93161
TOF-Mult
BBC-S-West ADC Sum

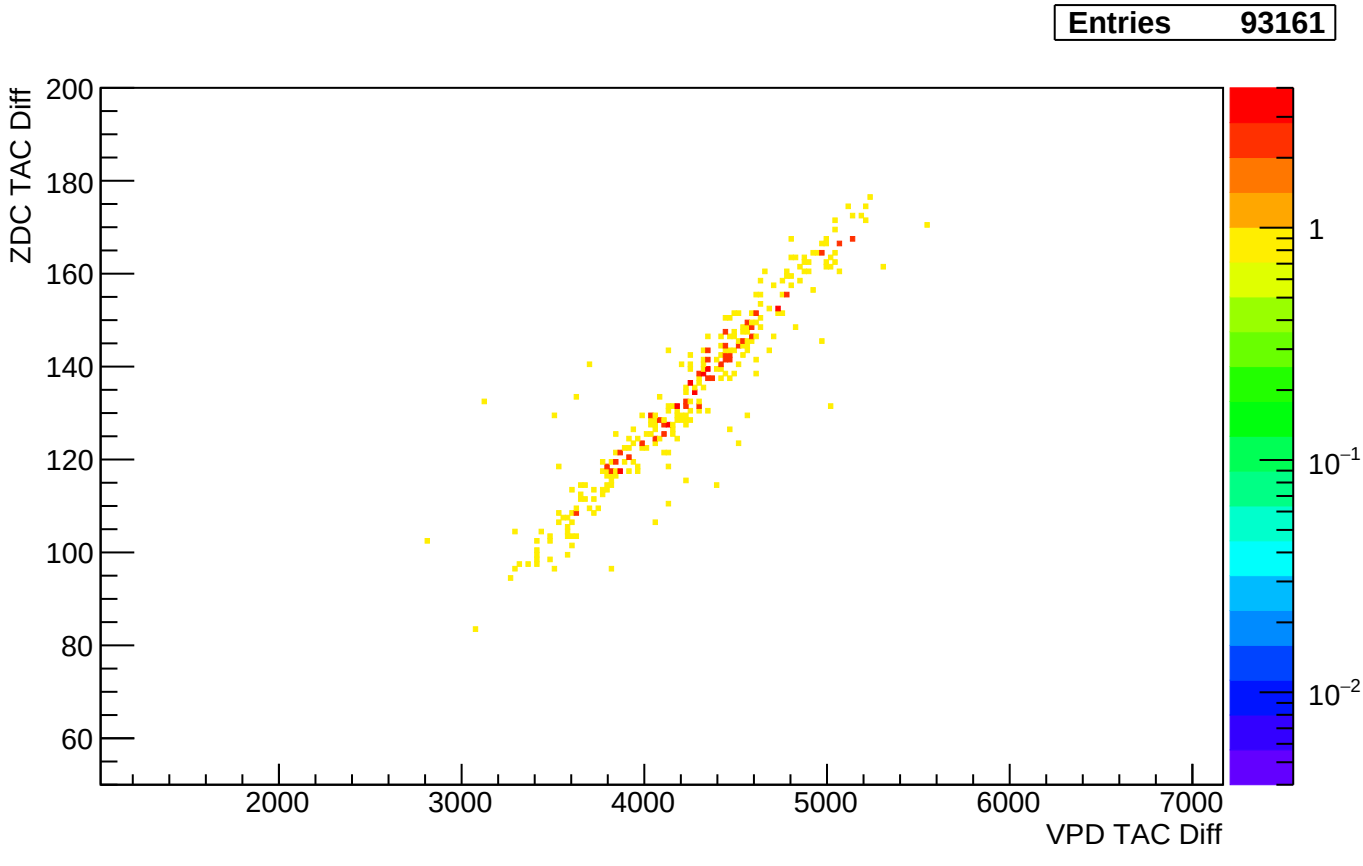

Entries 93161
TOF-Mult
EPD-East Hit Cnt

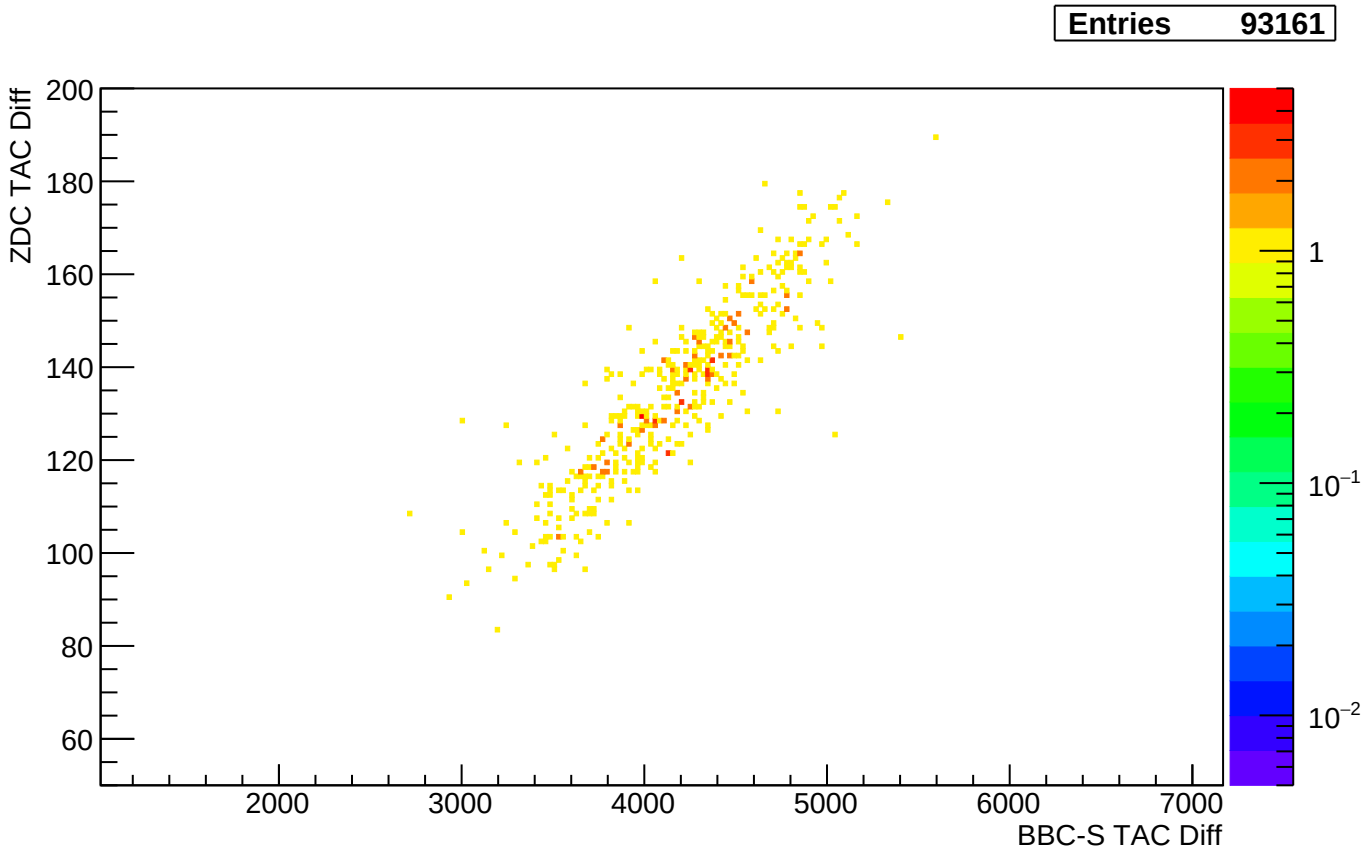

Entries 93161
TOF-Mult
EPD-West Hit Cnt

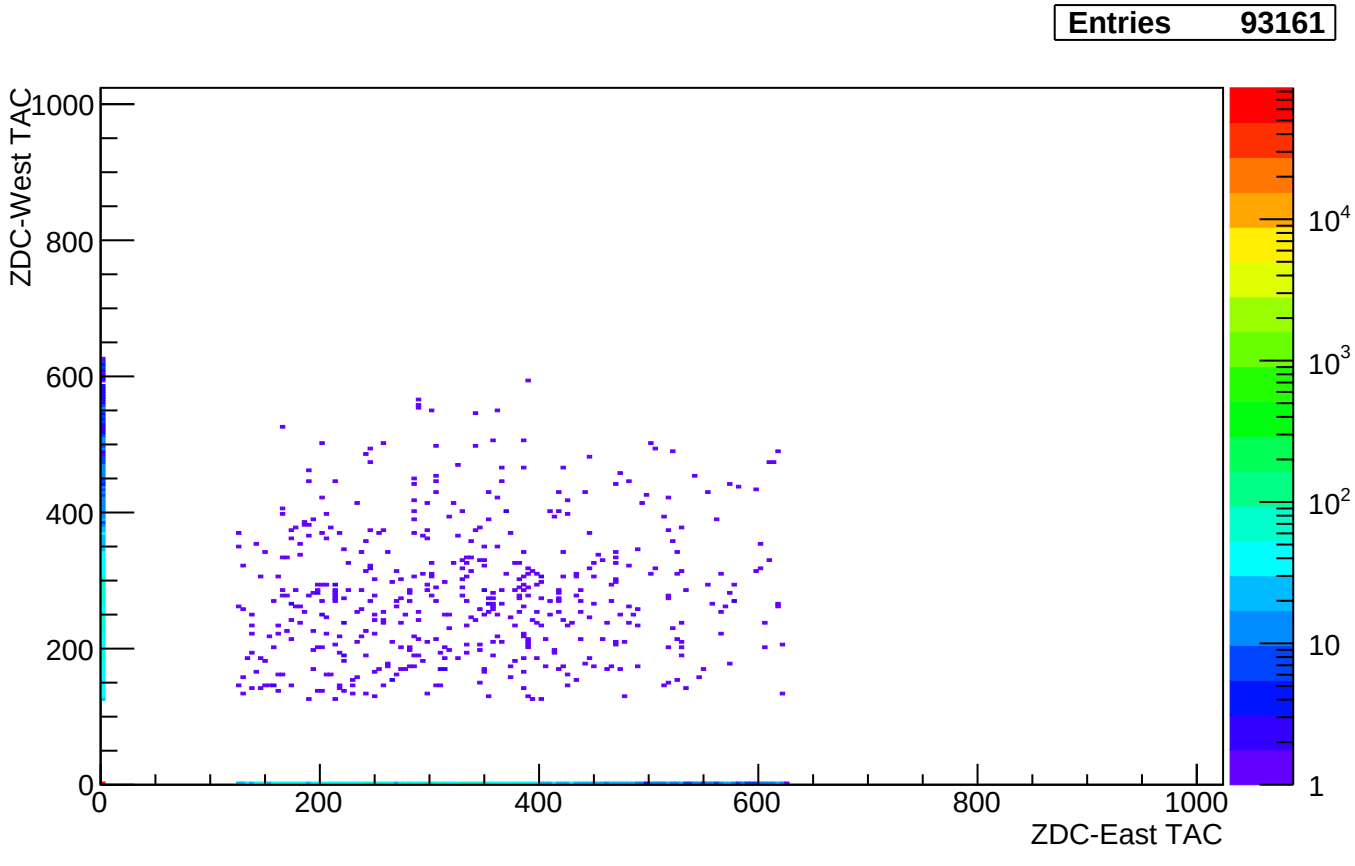

Entries 93161
TOF-Mult
VPD-East ADC Sum

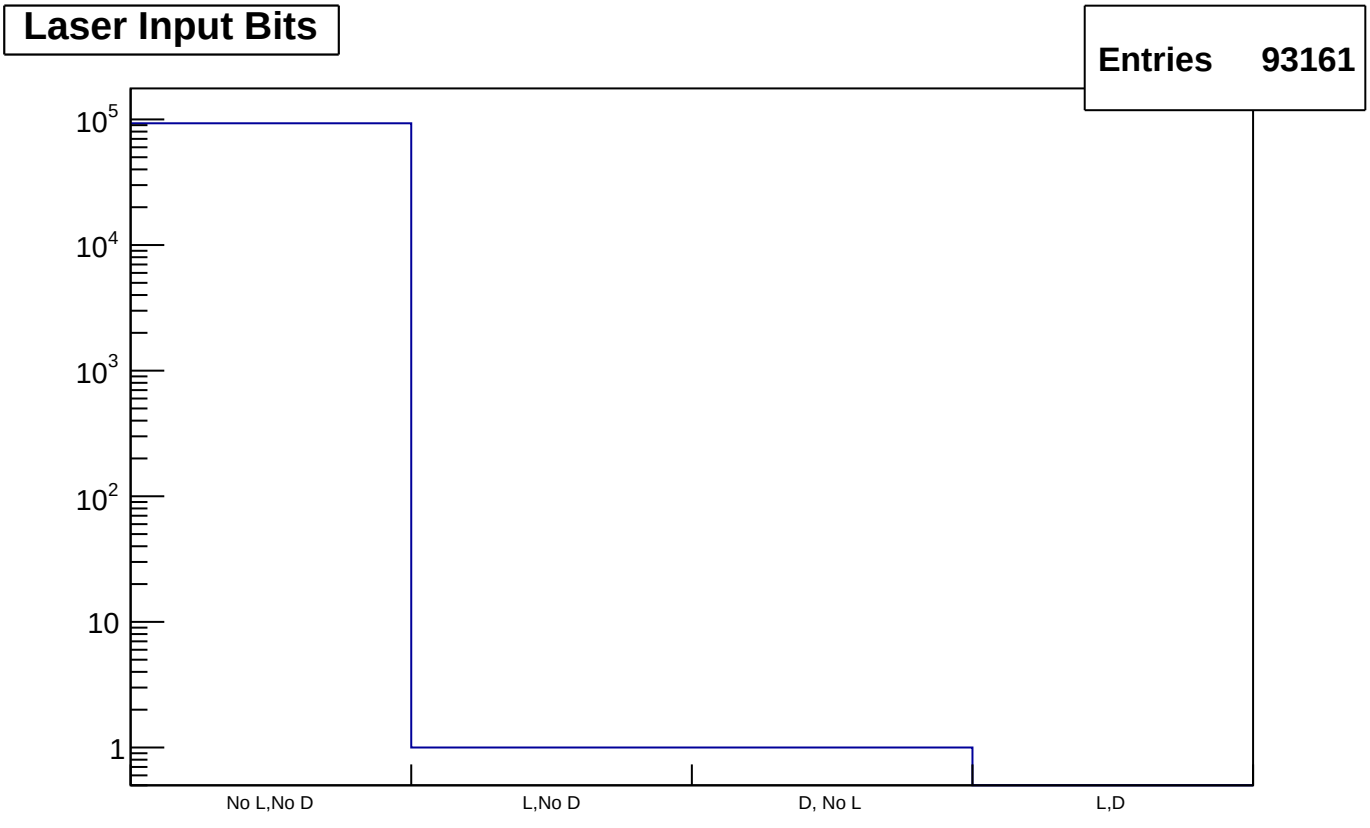

Entries 93161
TOF-Mult
VPD-West ADC Sum

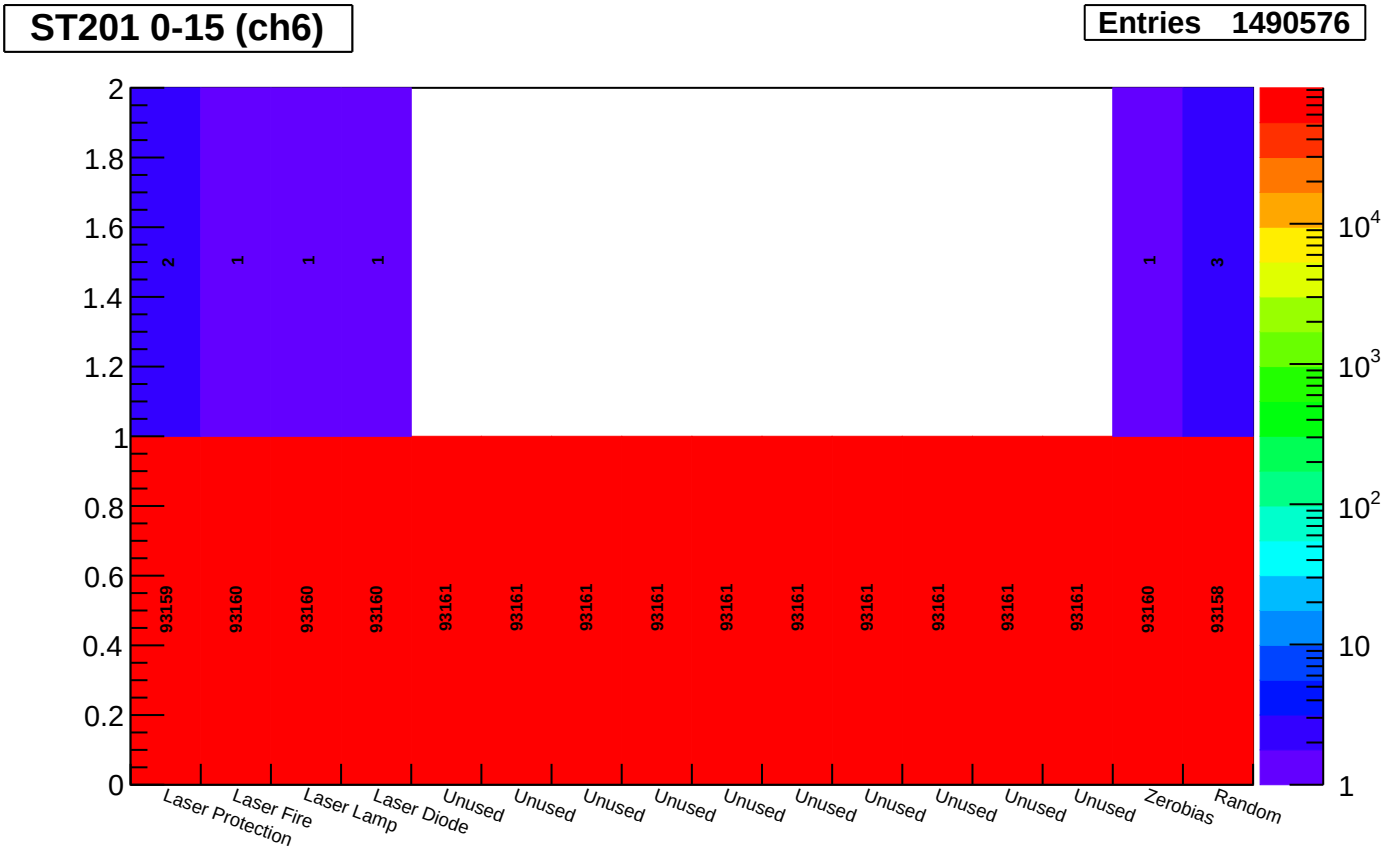

Entries 93161
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$

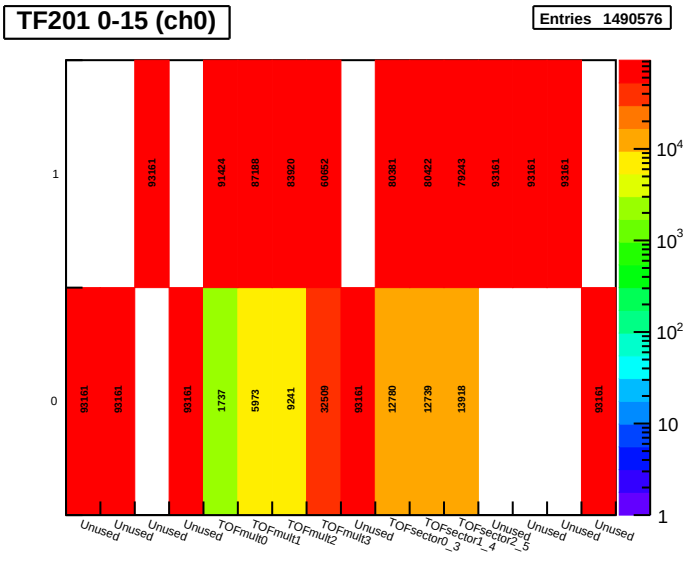

Entries 93161
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
$10^{-1}$
$10^{-2}$

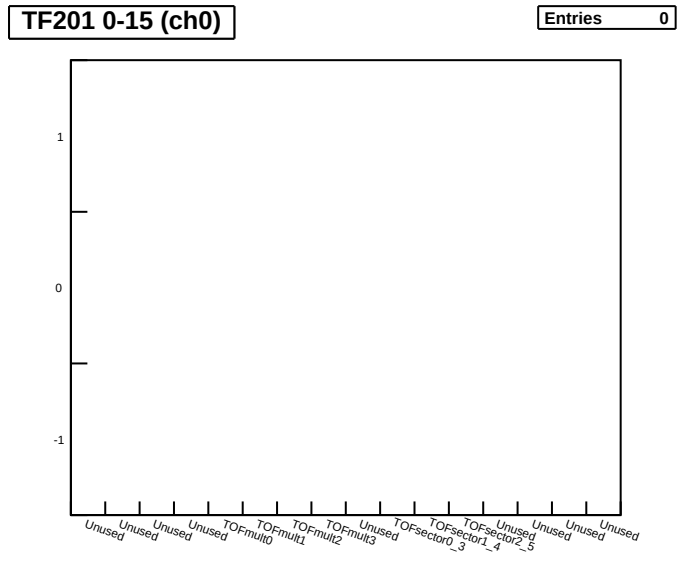

Entries 93161
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
$10^{-1}$
$10^{-2}$

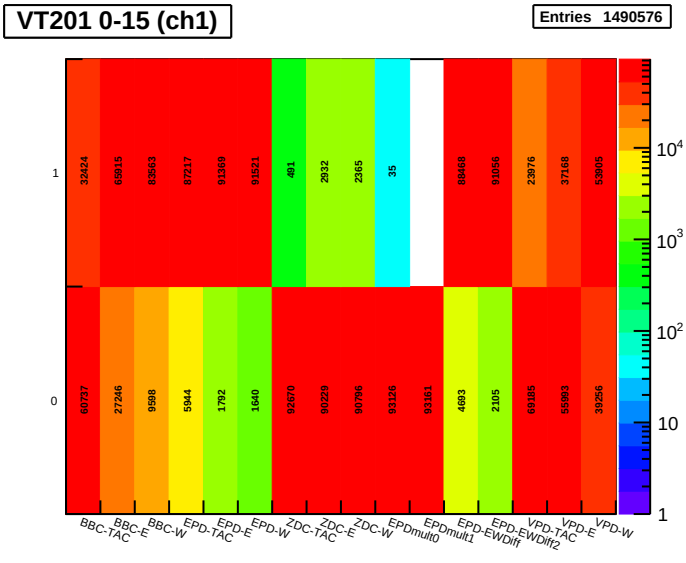

Entries 93161
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^4$
$10^3$
$10^2$
10
1

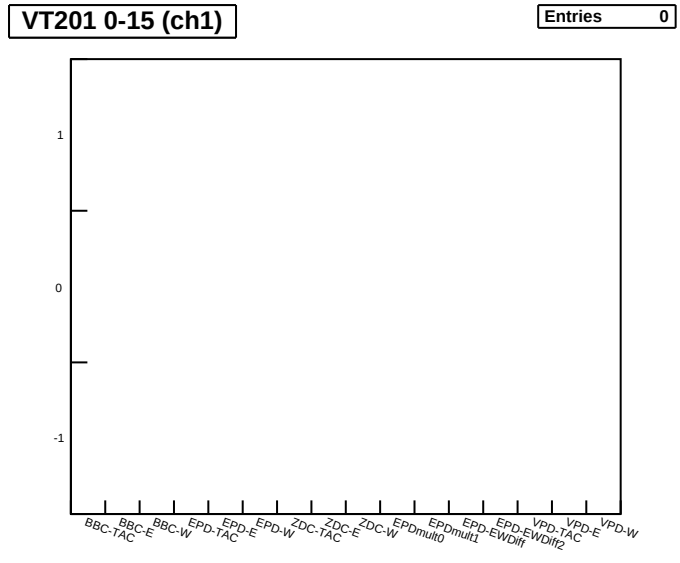

Laser Input Bits
Entries 93161
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

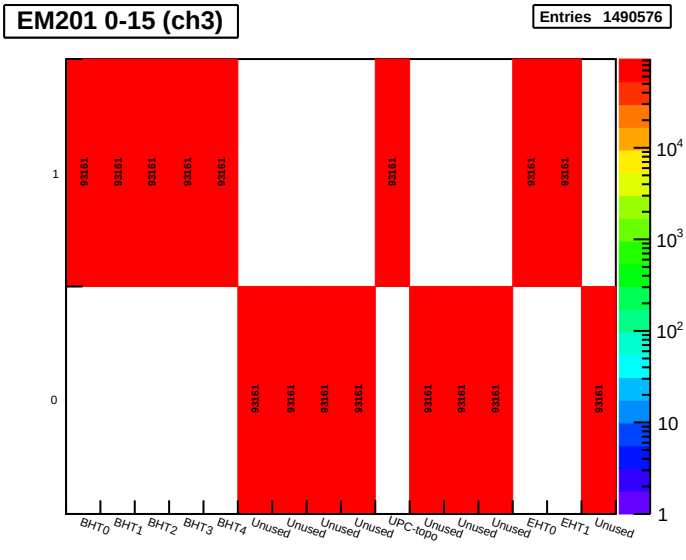

ST201 0-15 (ch6)
Entries 1490576
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
$10^4$
$10^3$
$10^2$
10
1
2
1
1
1
1
3
93159
93160
93160
93160
93161
93161
93161
93161
93161
93161
93161
93161
93161
93161
93160
93158
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random

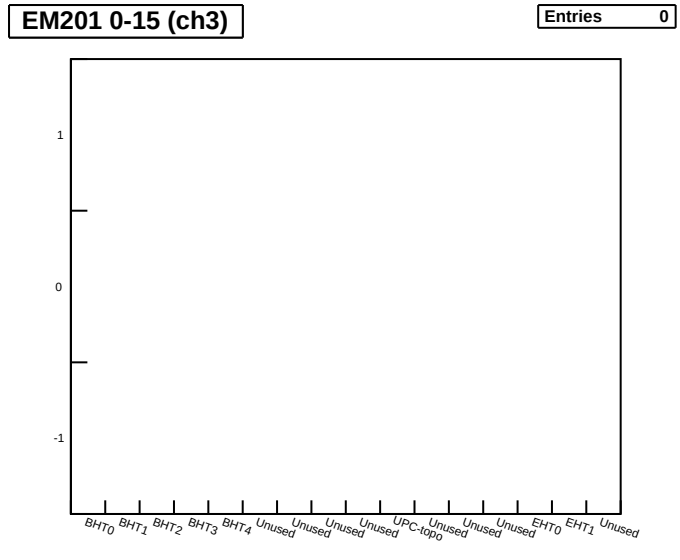

TF201 0-15 (ch0)
Entries 1490576
1
0
93161 91424 87188 83920 60652 80381 80422 79243 93161 93161 93161
93161 93161 93161 1737 5973 9241 32509 93161 12780 12739 13918 93161
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 1490576
1
0
32424 69915 83563 87217 91369 91521 491 2932 2365 35 89468 91056 23976 37168 53905
60737 27246 9598 5944 1792 1640 92670 90229 90796 93126 93161 4693 2105 69185 55993 39256
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 1490576
1
0
93161 93161 93161 93161 93161 93161 93161 93161
93161 93161 93161 93161 93161 93161 93161 93161
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