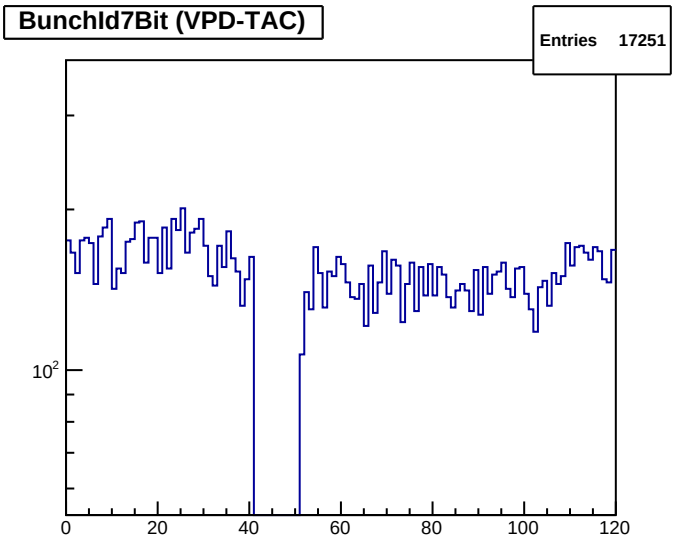
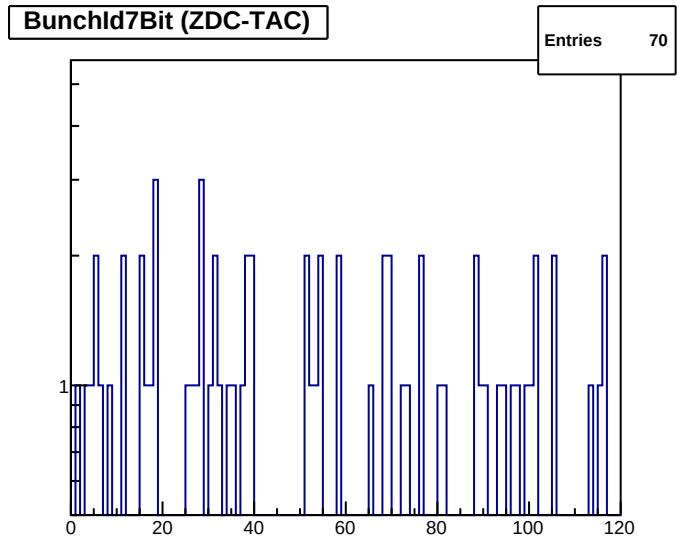
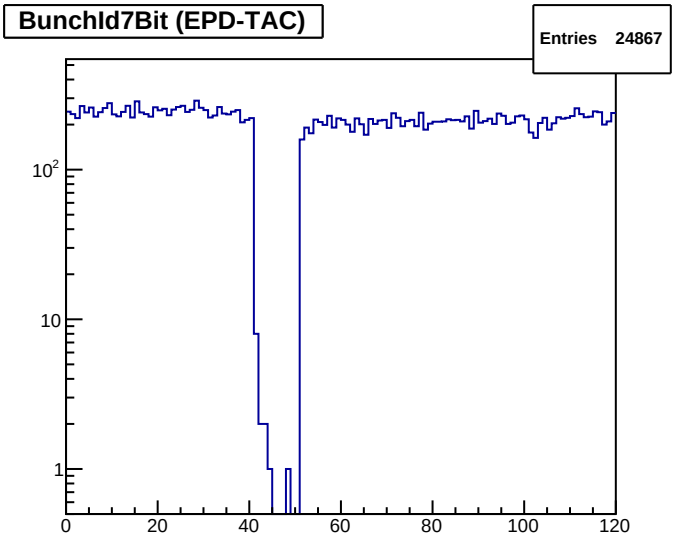
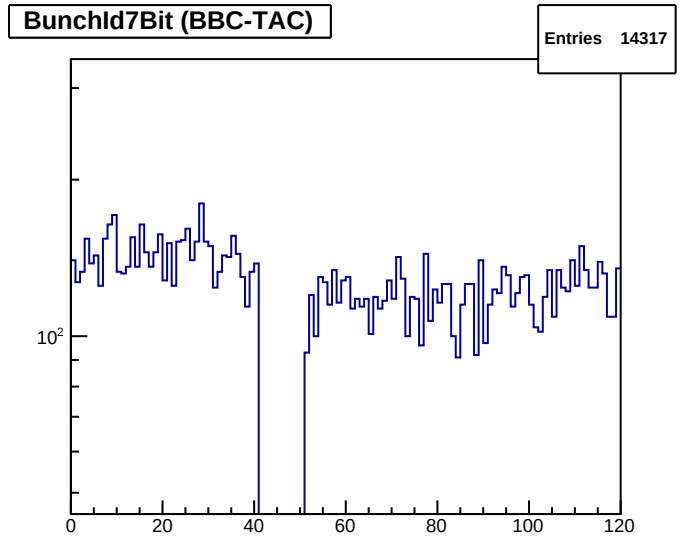
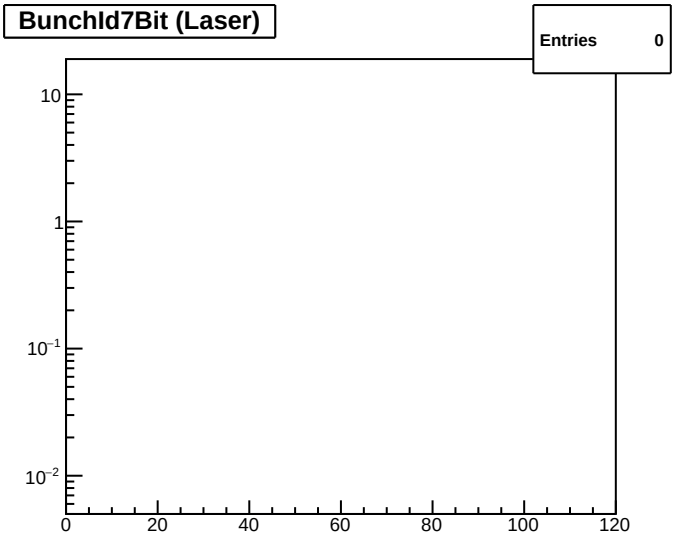
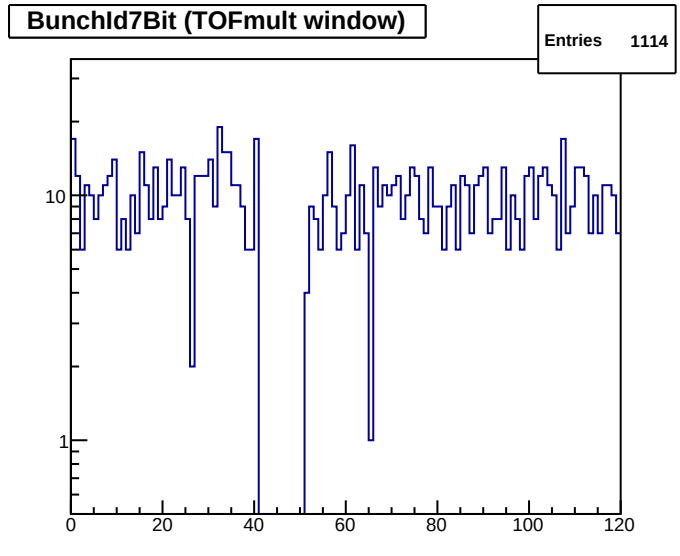

BunchId7Bit (VPD-TAC)
Entries 17251
10^2
0 20 40 60 80 100 120

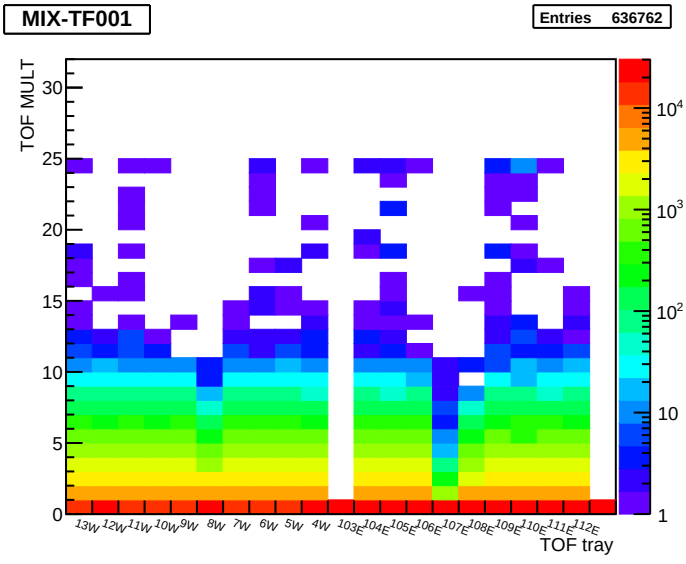

BunchId7Bit (ZDC-TAC)
Entries 70
1
0 20 40 60 80 100 120

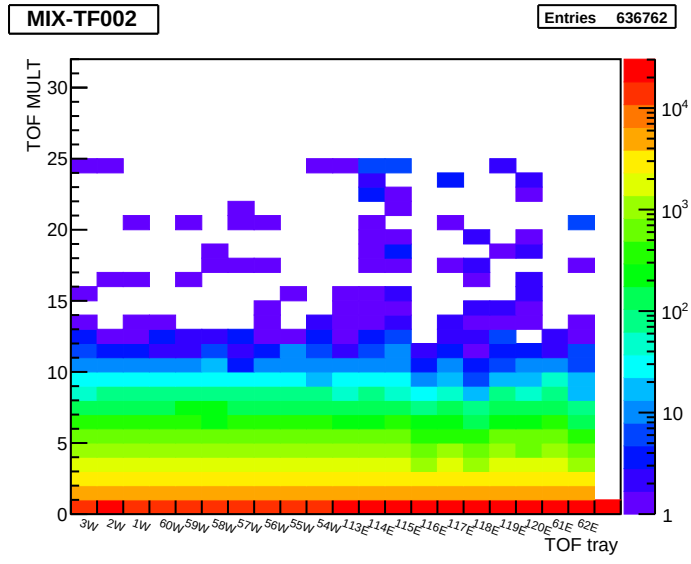

BunchId7Bit (EPD-TAC)
Entries 24867
10^2
10
1
0 20 40 60 80 100 120

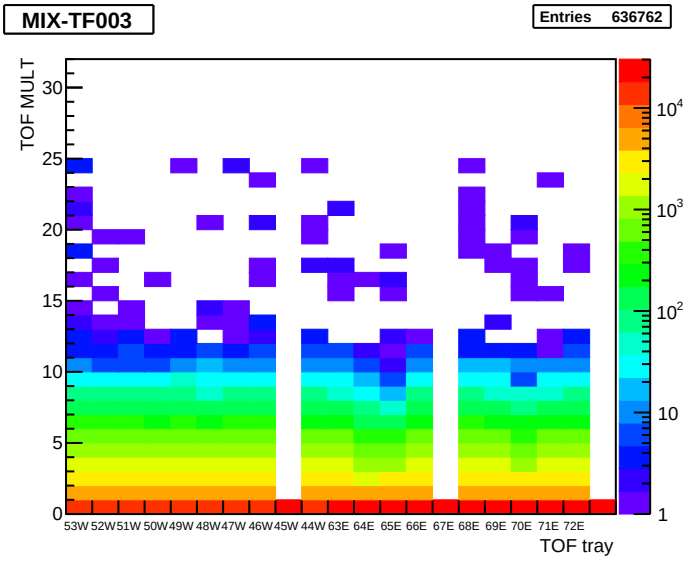

BunchId7Bit (BBC-TAC)
Entries 14317
10^2
0 20 40 60 80 100 120

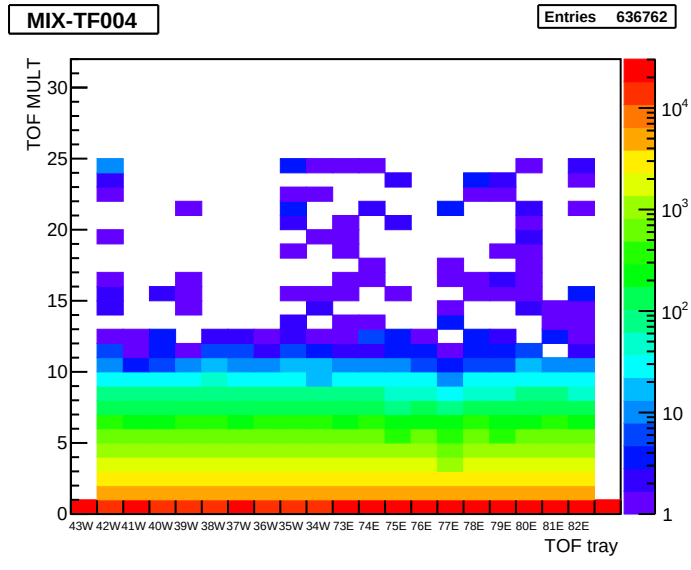

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

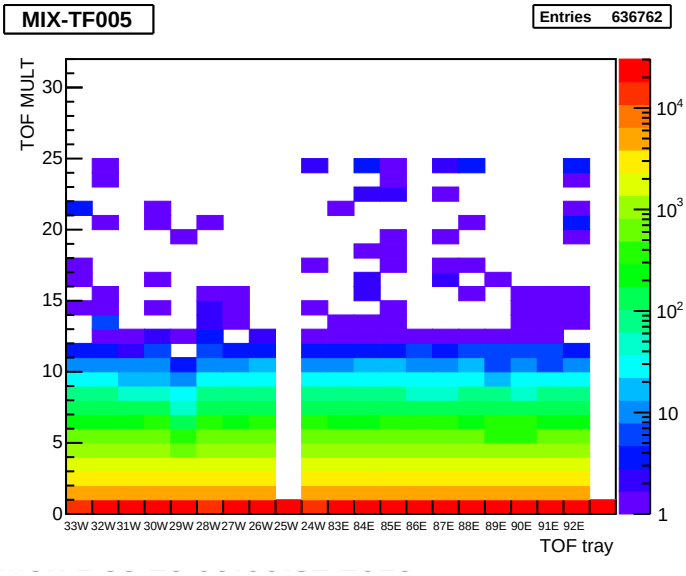

BunchId7Bit (TOFmult window)
Entries 1114
10
1
0 20 40 60 80 100 120

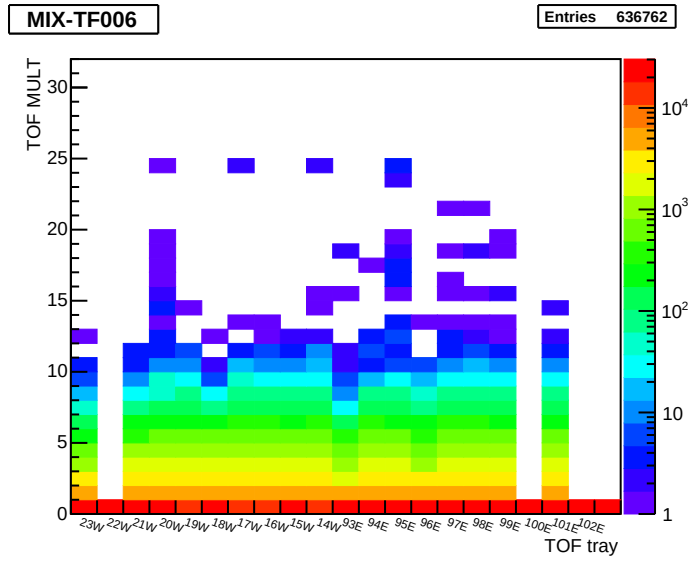

MIX-TF001
Entries 636762
TOF MULT
TOF tray

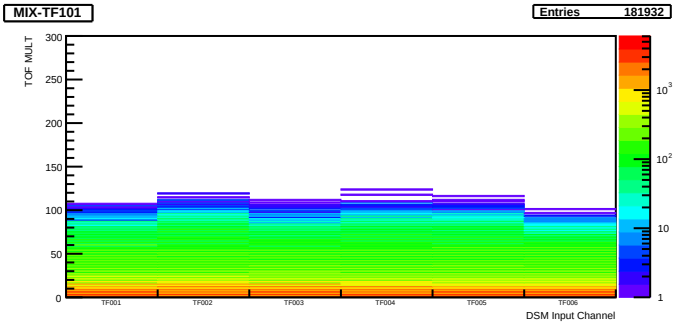

MIX-TF002
Entries 636762
TOF MULT
TOF tray

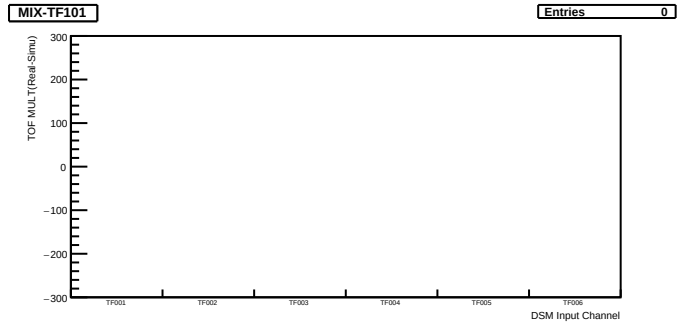

MIX-TF003
Entries 636762
TOF MULT
TOF tray

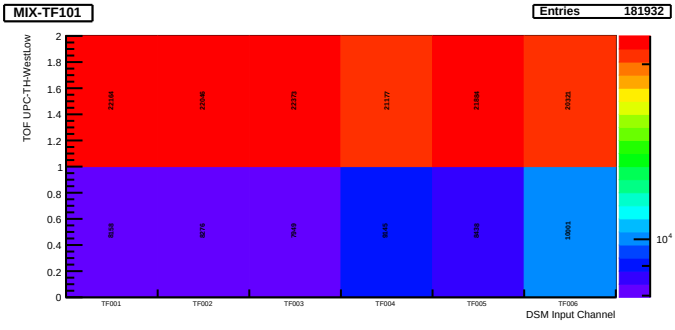

MIX-TF004
Entries 636762
TOF MULT
TOF tray

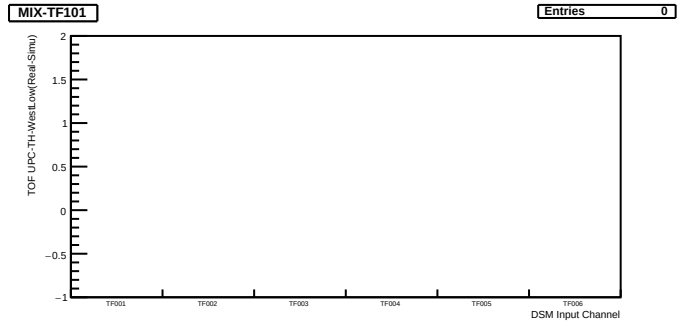

MIX-TF005
Entries 636762
TOF MULT
TOF tray

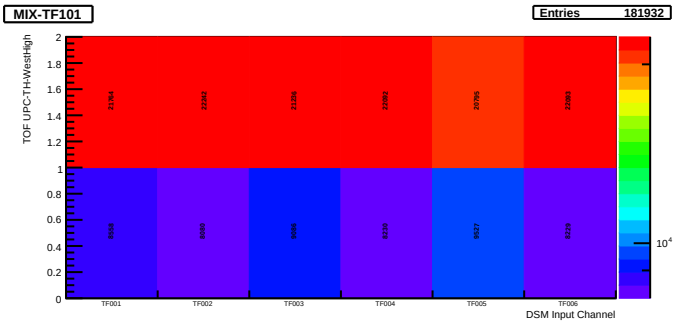

MIX-TF006
Entries 636762
TOF MULT
TOF tray

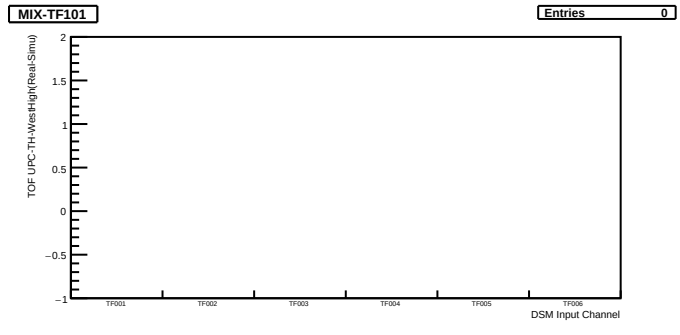

MIX-TF101
Entries 181932
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

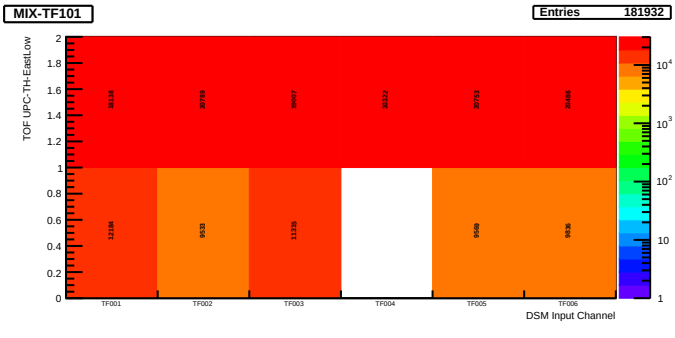

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

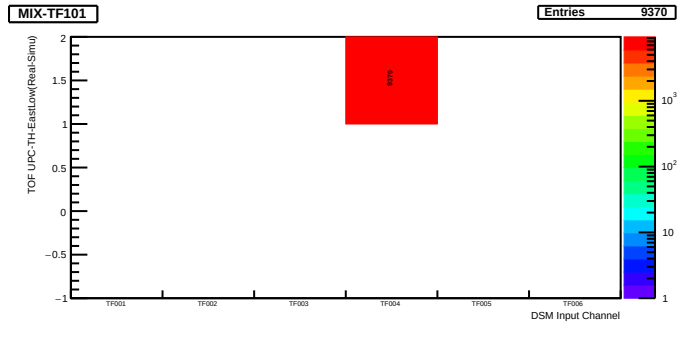

MIX-TF101
Entries 181932
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

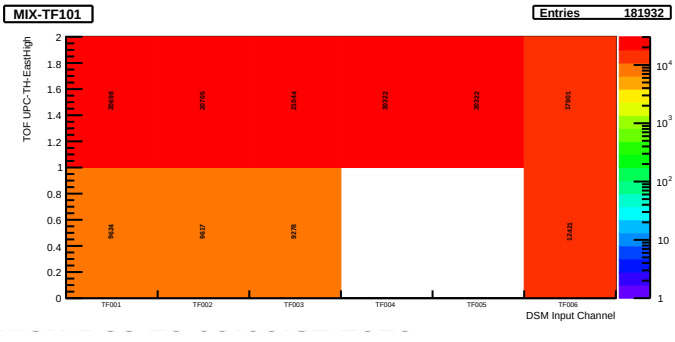

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

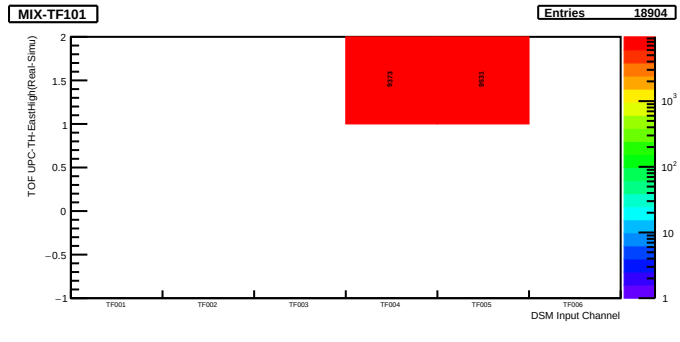

MIX-TF101
Entries 181932
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

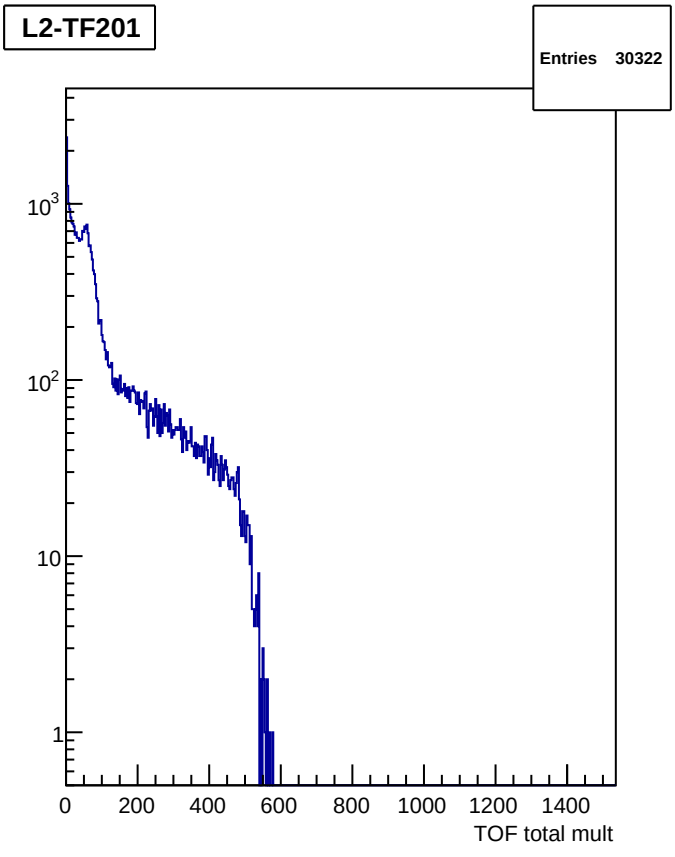

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

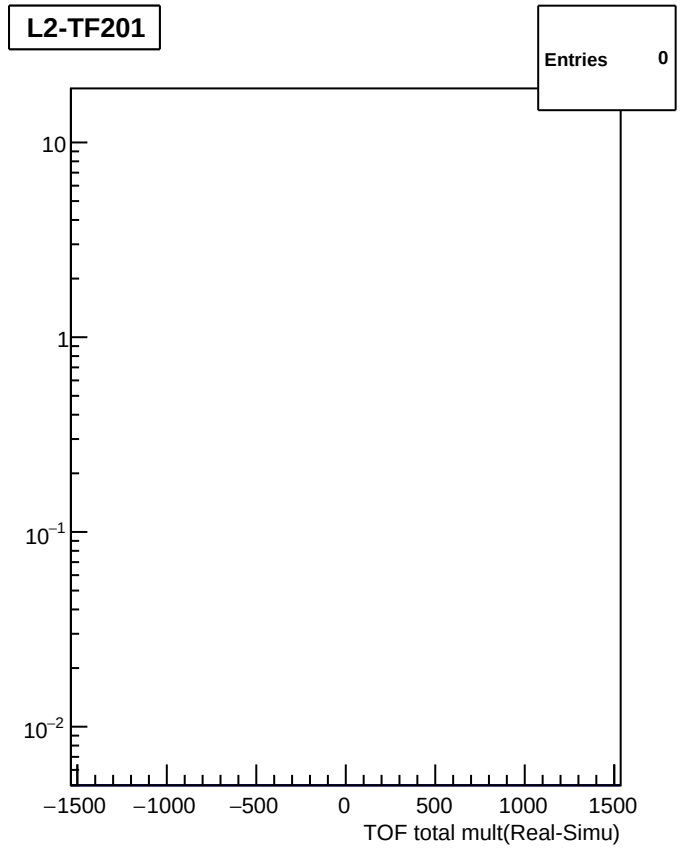

MIX-TF101
Entries 181932
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

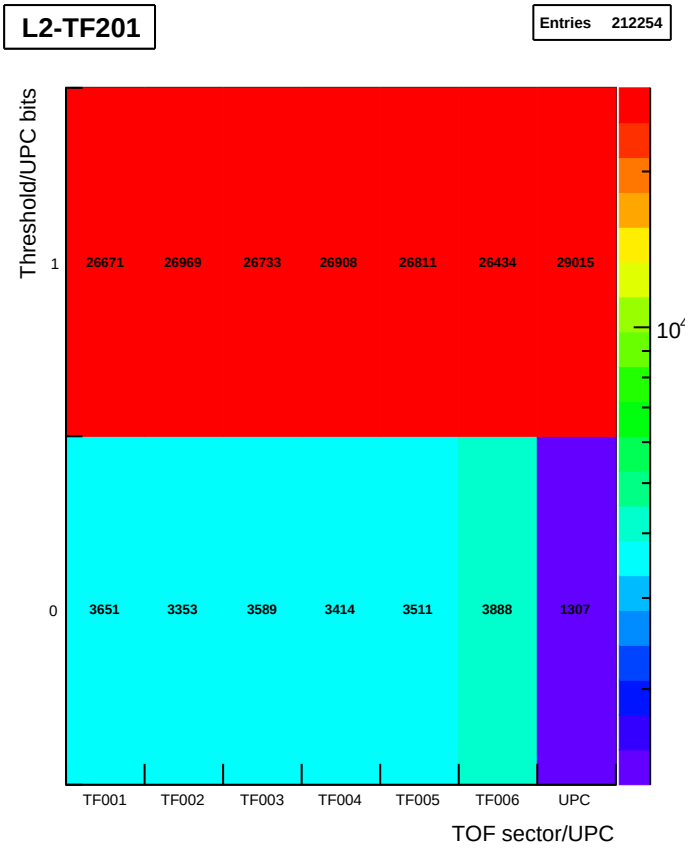

MIX-TF101
Entries 9370
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

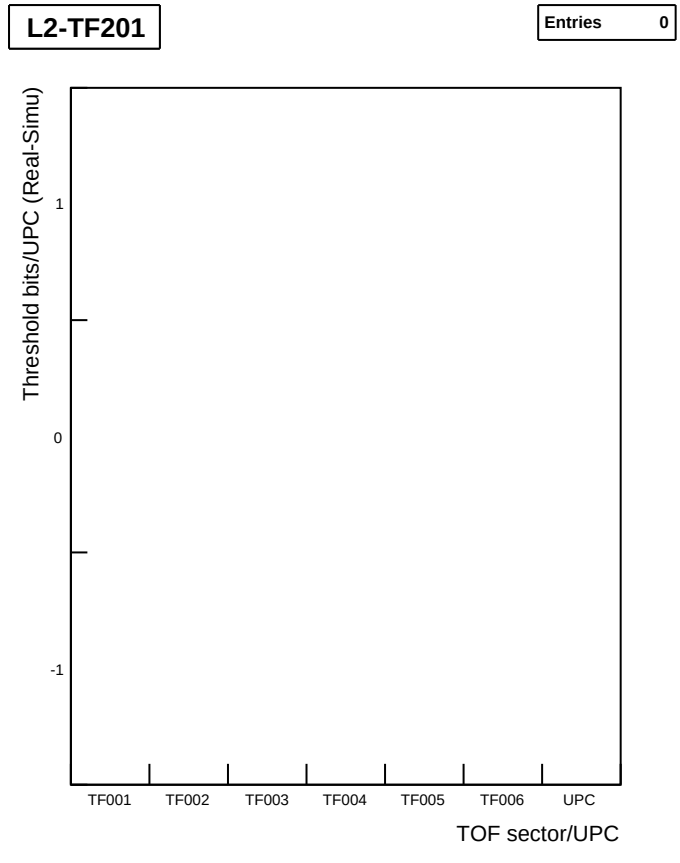

MIX-TF101
Entries 181932
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

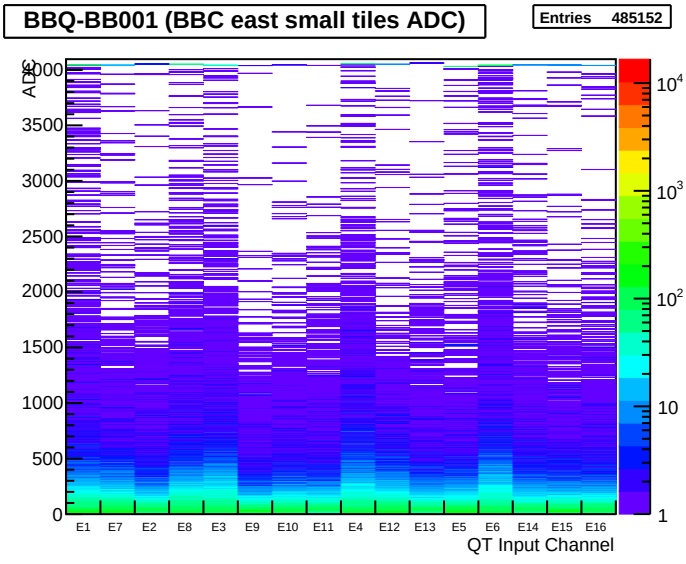

MIX-TF101
Entries 18904
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

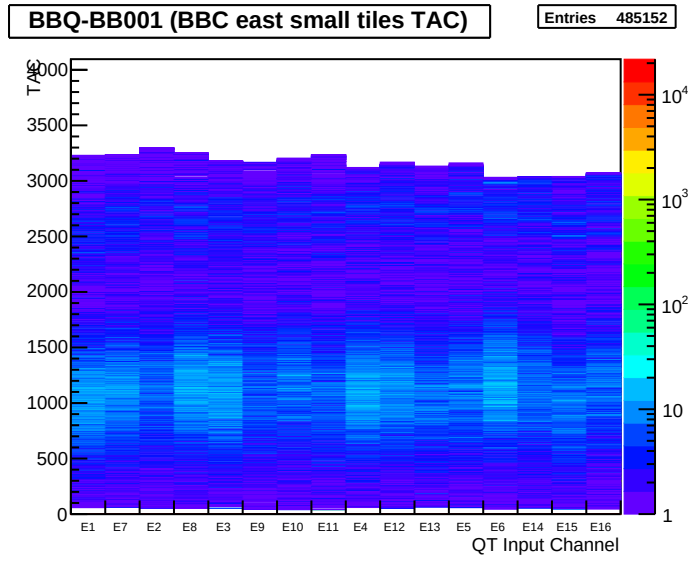

L2-TF201
Entries 30322
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

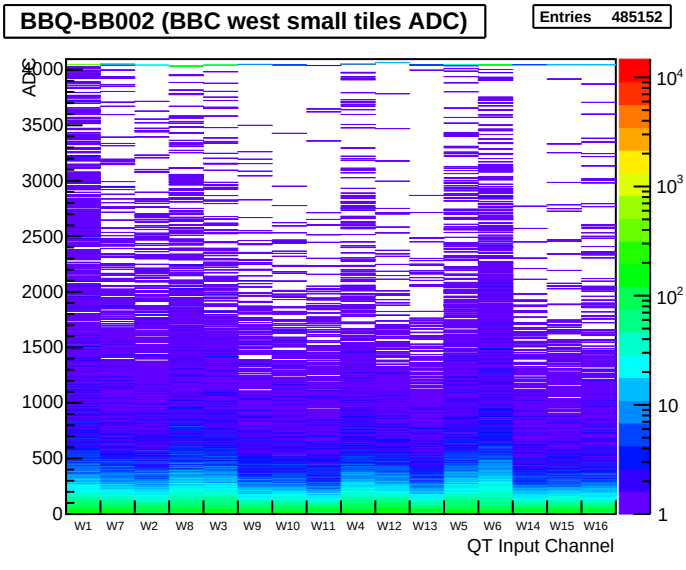

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

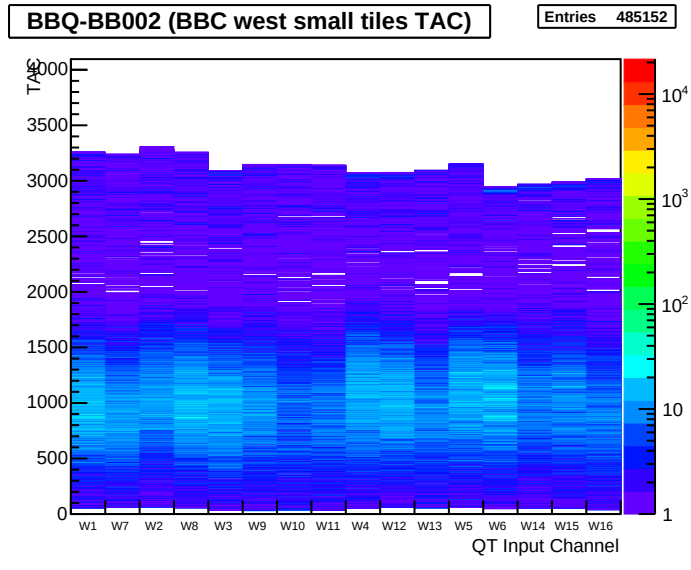

L2-TF201
Entries 212254
Threshold/UPC bits
1
0
26671
26969
26733
26908
26811
26434
29015
3651
3353
3589
3414
3511
3888
1307
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

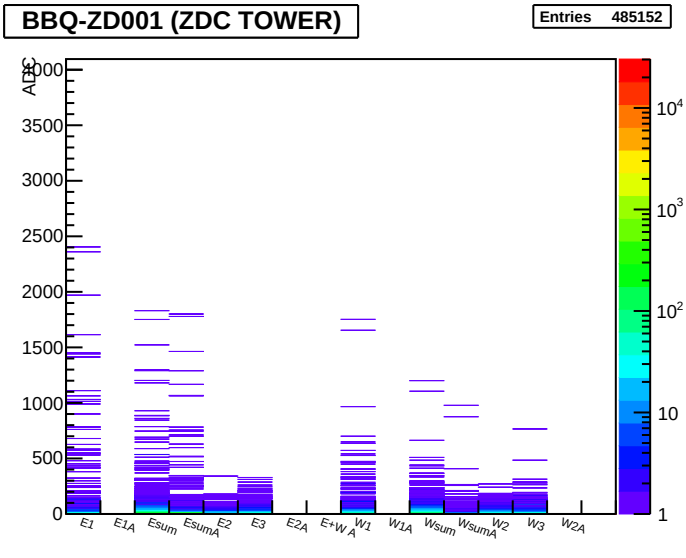

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

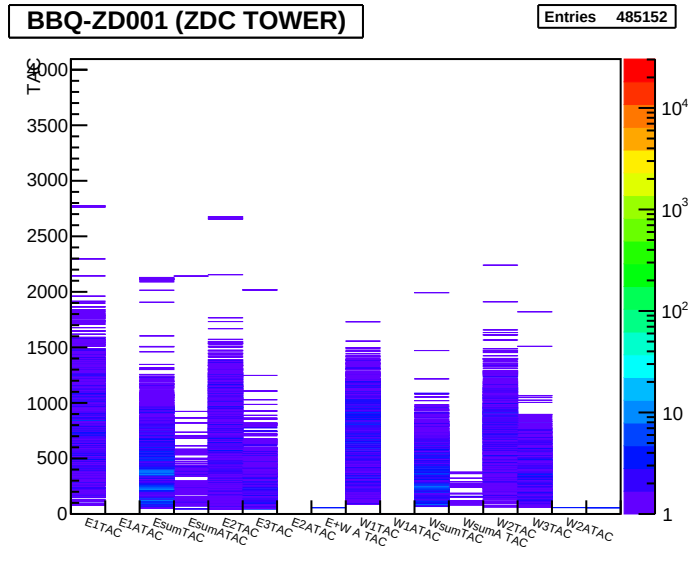

BBQ-BB001 (BBC east small tiles ADC)
Entries 485152
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

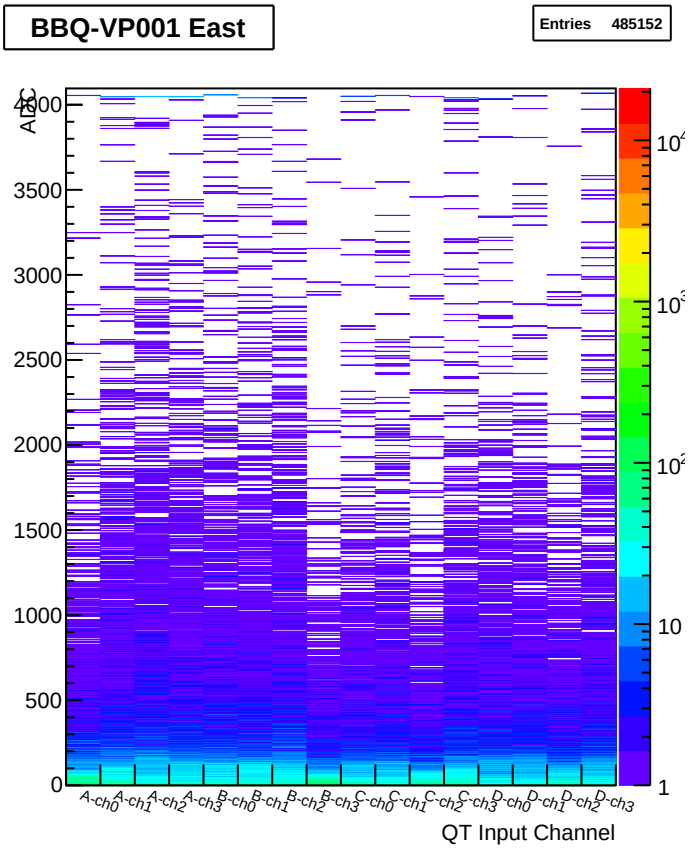

BBQ-BB001 (BBC east small tiles TAC)
Entries 485152
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

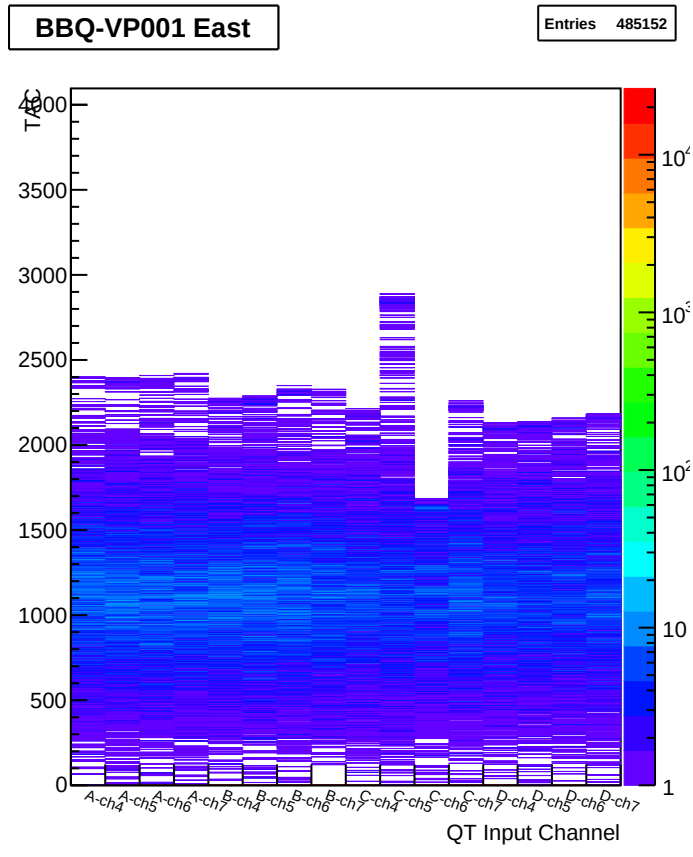

BBQ-BB002 (BBC west small tiles ADC)
Entries 485152
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

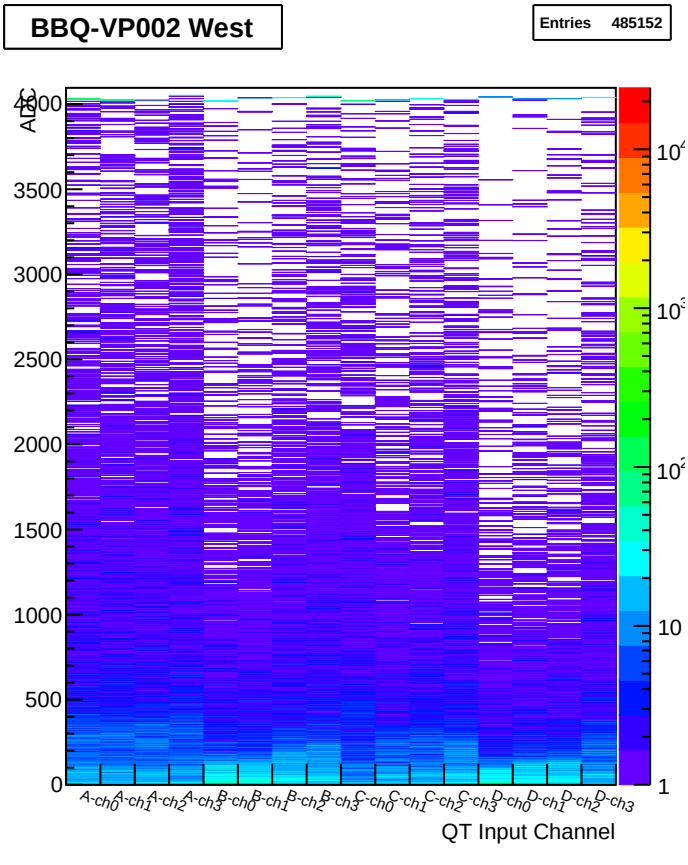

BBQ-BB002 (BBC west small tiles TAC)
Entries 485152
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

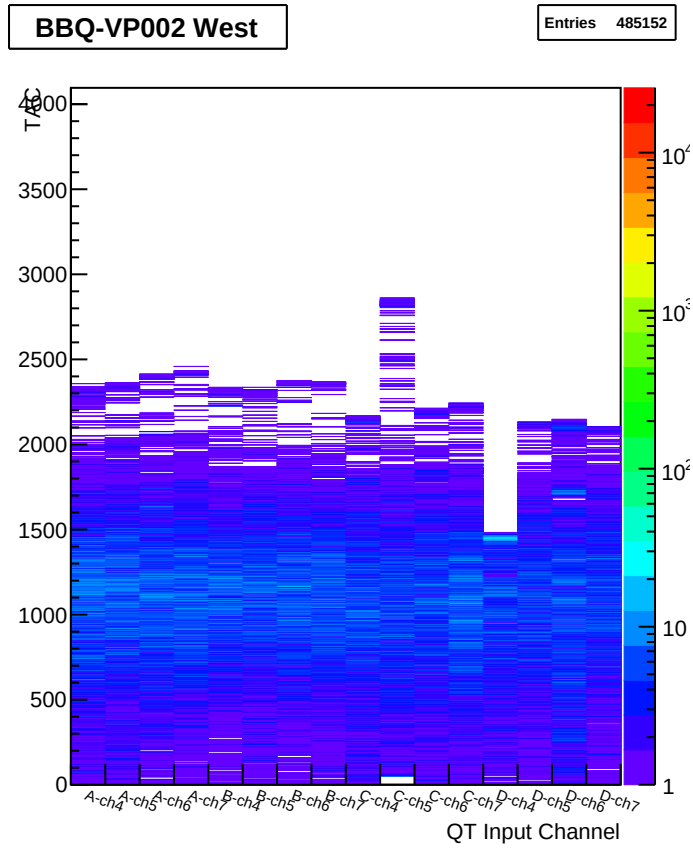

BBQ-ZD001 (ZDC TOWER)
Entries 485152
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

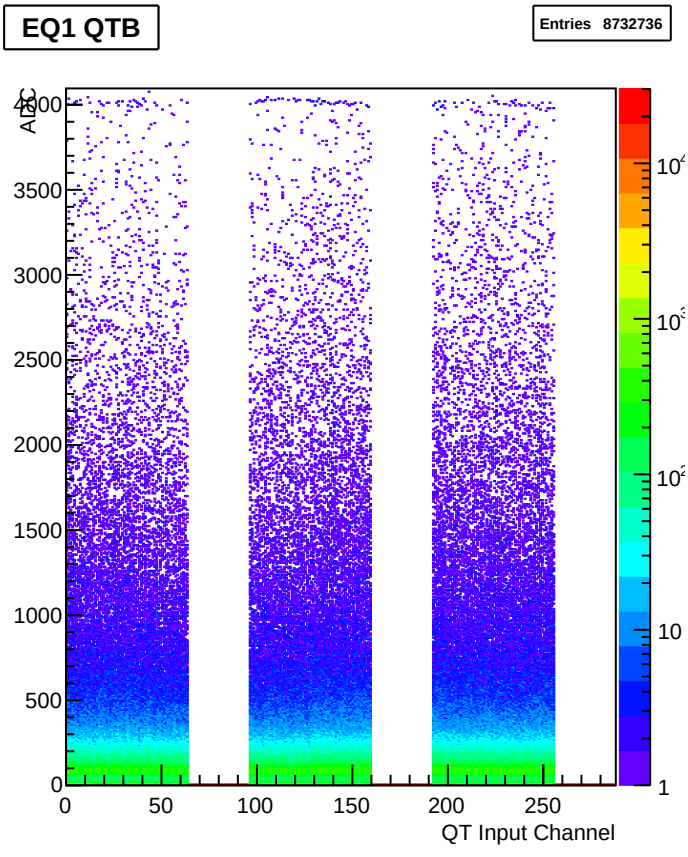

BBQ-ZD001 (ZDC TOWER)
Entries 485152
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

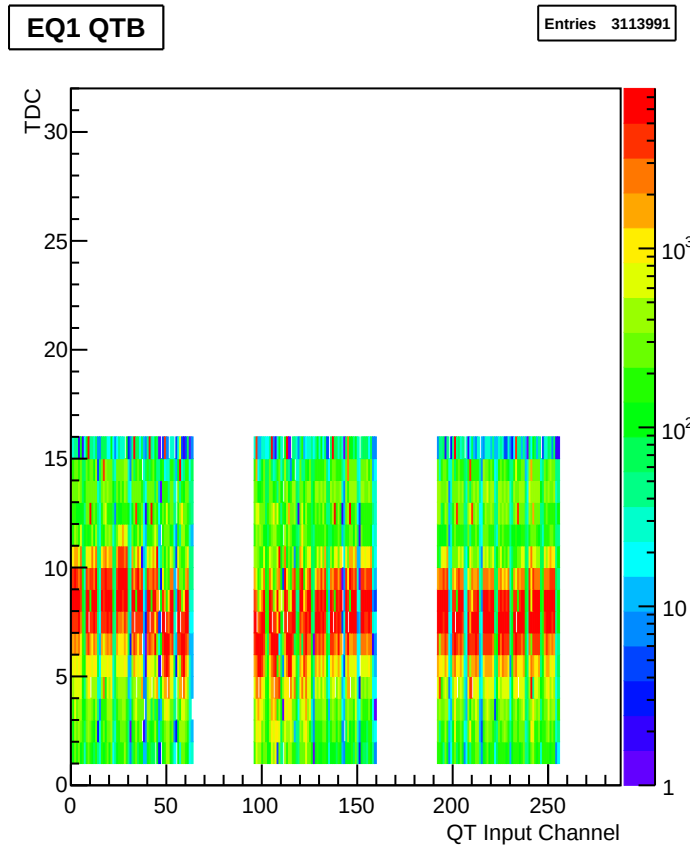

BBQ-VP001 East
Entries 485152
ADC
QT Input Channel

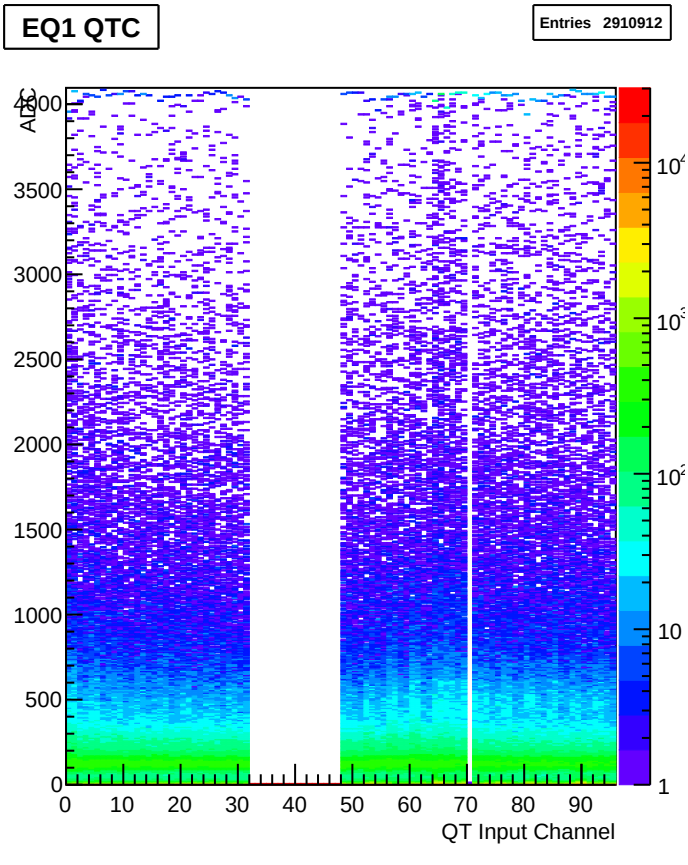

BBQ-VP001 East
Entries 485152
TADC
QT Input Channel

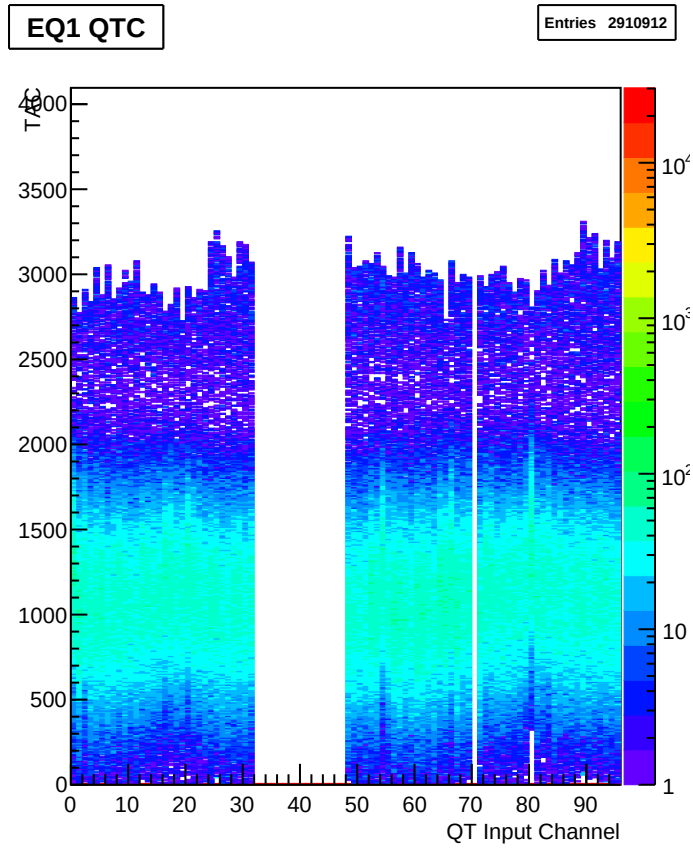

BBQ-VP002 West
Entries 485152
ADC
QT Input Channel

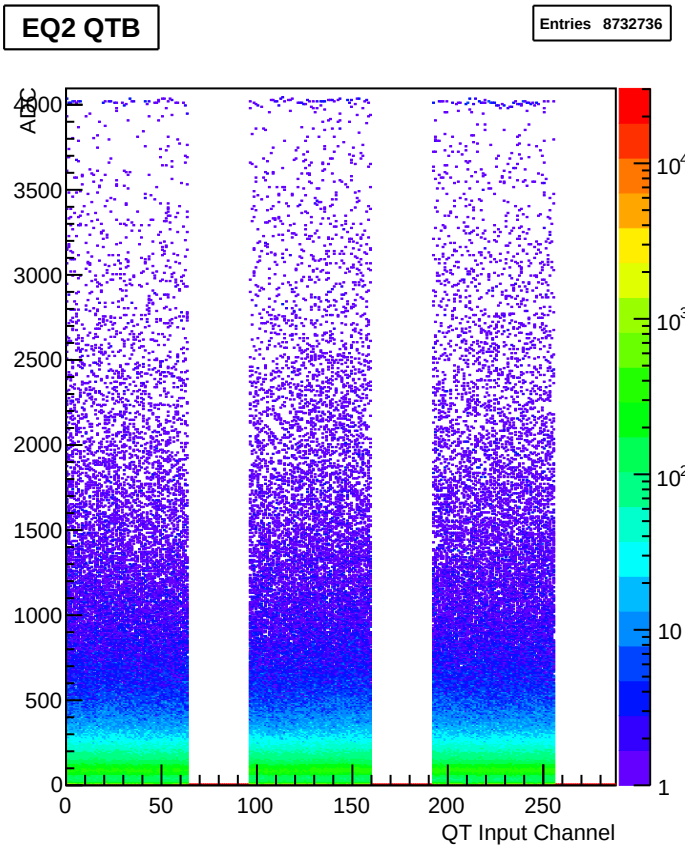

BBQ-VP002 West
Entries 485152
TADC
QT Input Channel

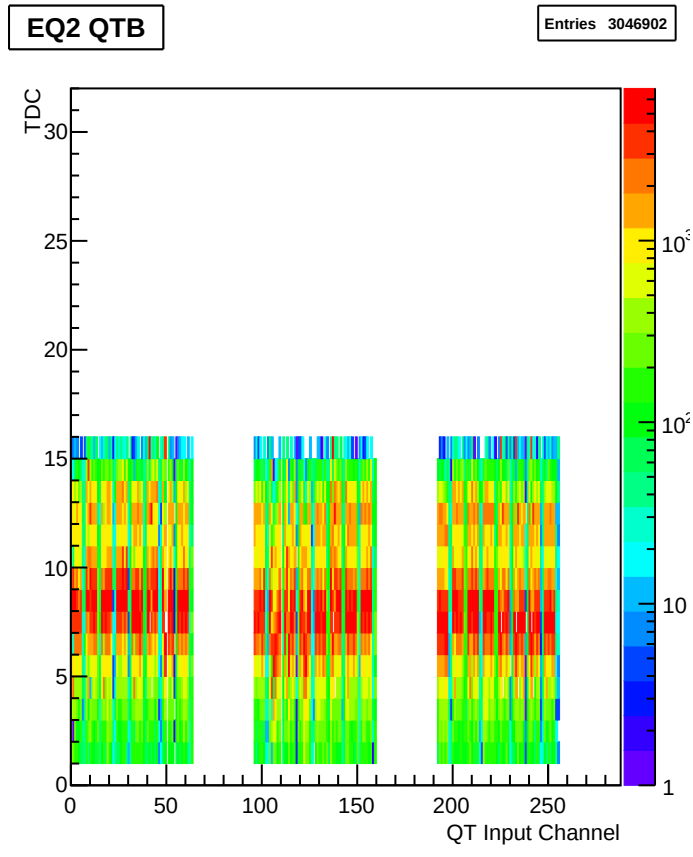

EQ1 QTB
Entries 8732736
ADC
QT Input Channel

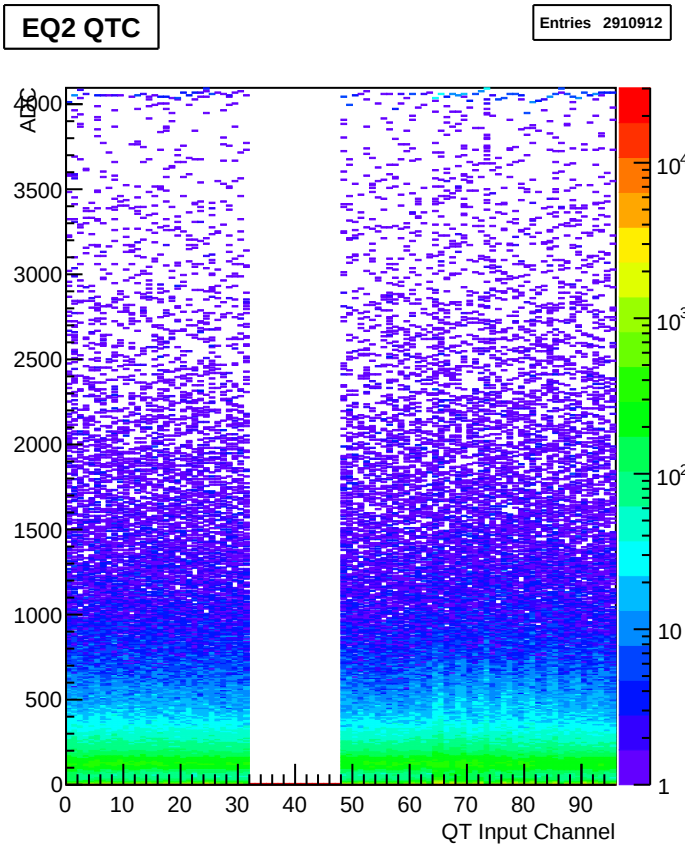

EQ1 QTB
Entries 3113991
TDC
QT Input Channel

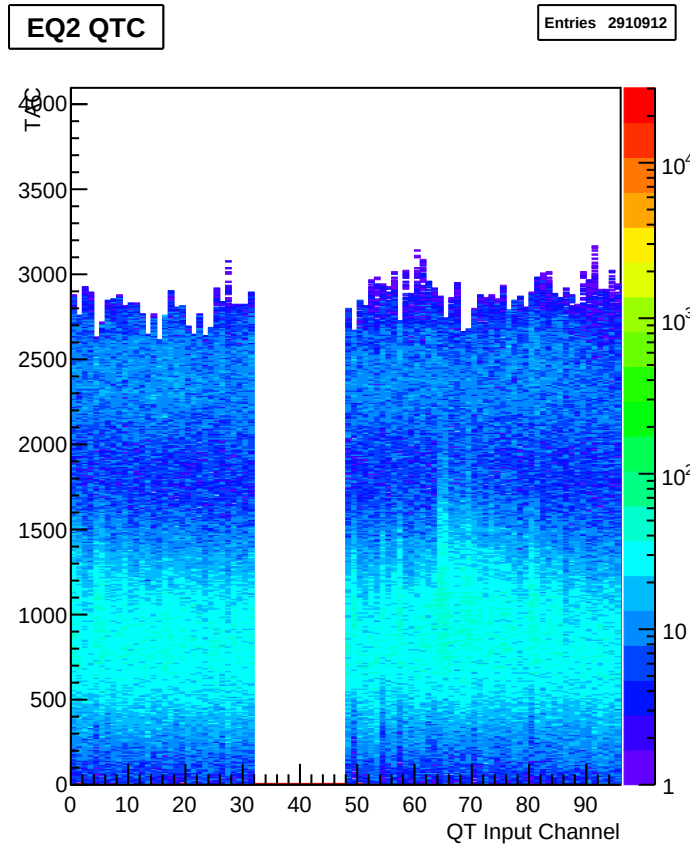

EQ1 QTC
Entries 2910912
ADC
QT Input Channel

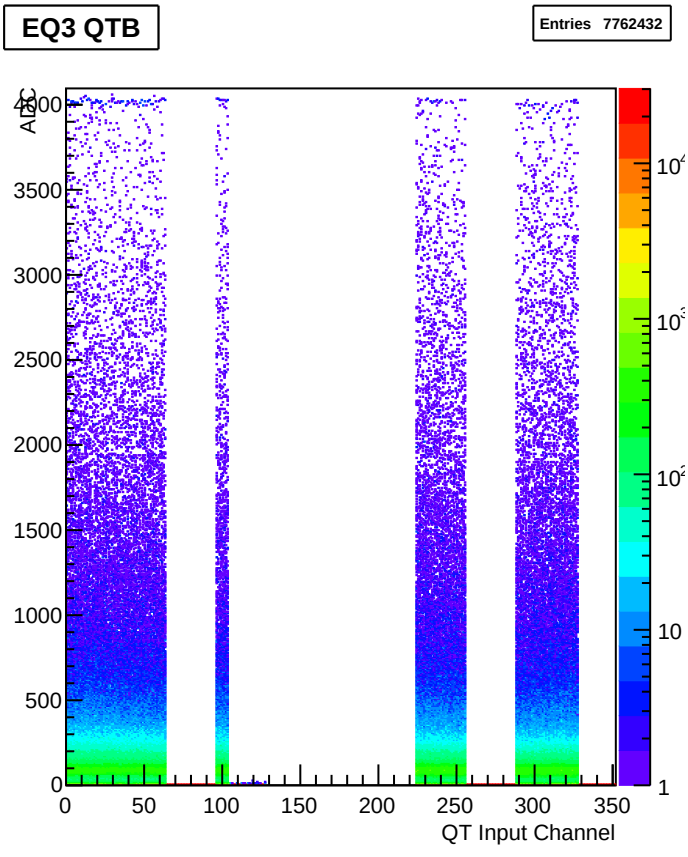

EQ1 QTC
Entries 2910912
TADC
QT Input Channel

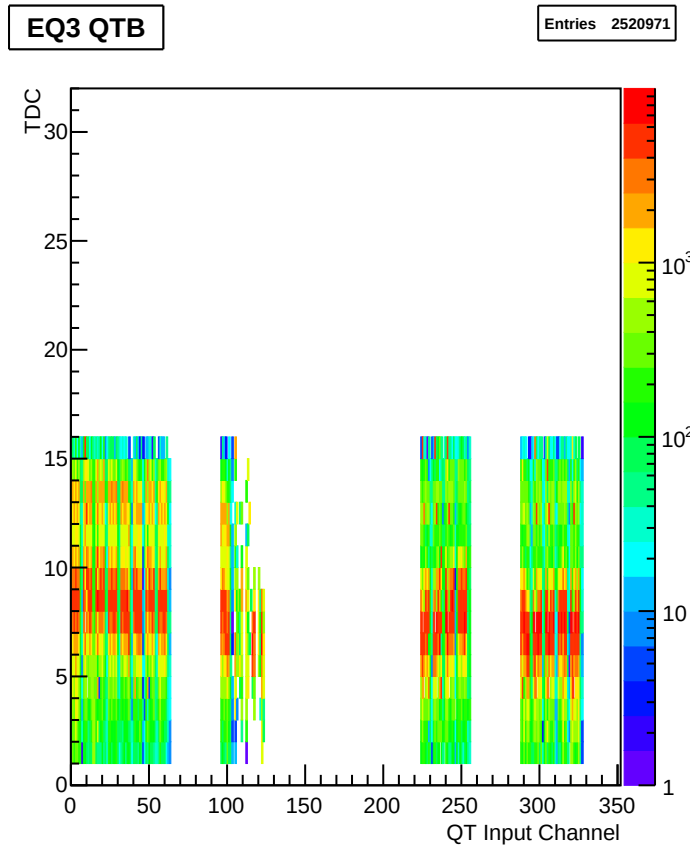

EQ2 QTB
Entries 8732736
ADC
QT Input Channel

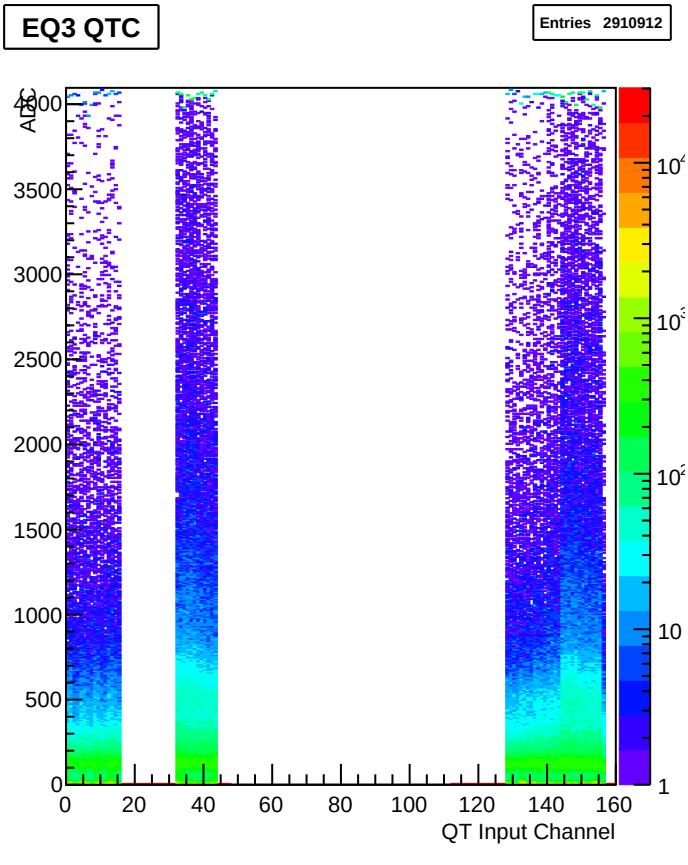

EQ2 QTB
Entries 3046902
TDC
QT Input Channel

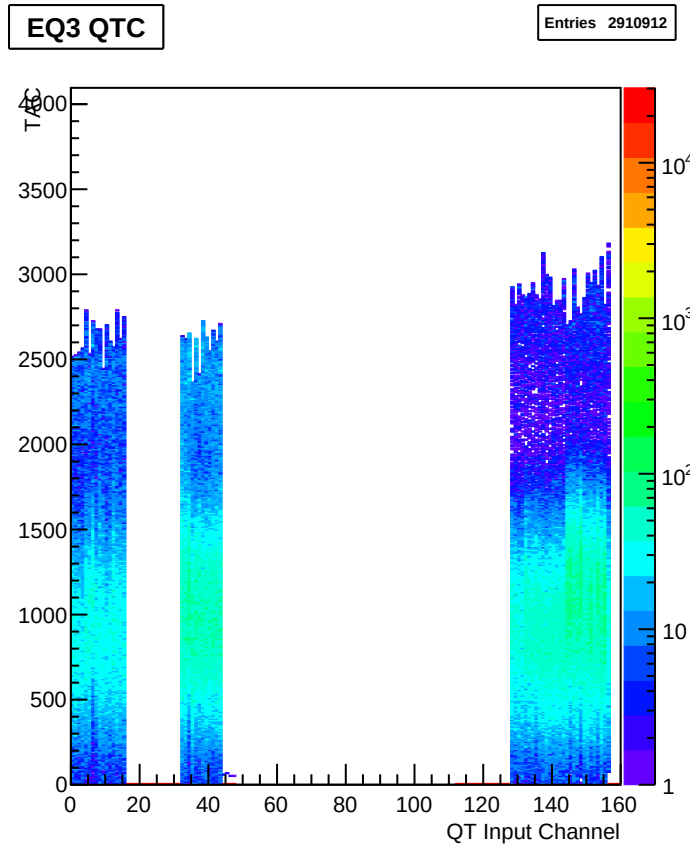

EQ2 QTC
Entries 2910912
ADC
QT Input Channel

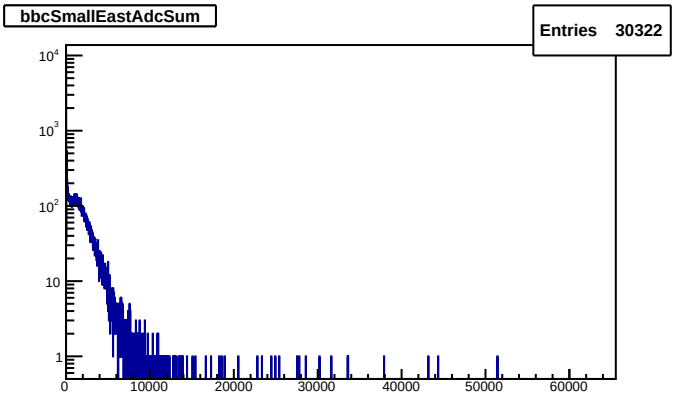

EQ2 QTC
Entries 2910912
TADC
QT Input Channel

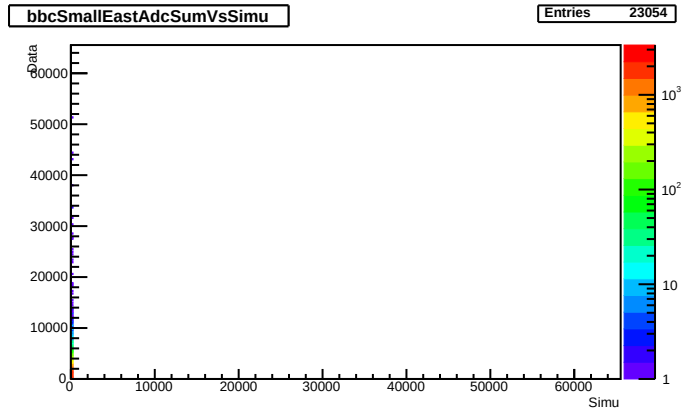

EQ3 QTB
Entries 7762432
ADC
QT Input Channel

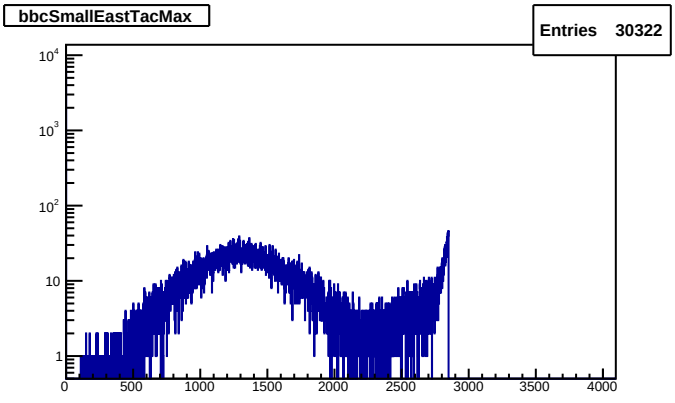

EQ3 QTB
Entries 2520971
TDC
QT Input Channel

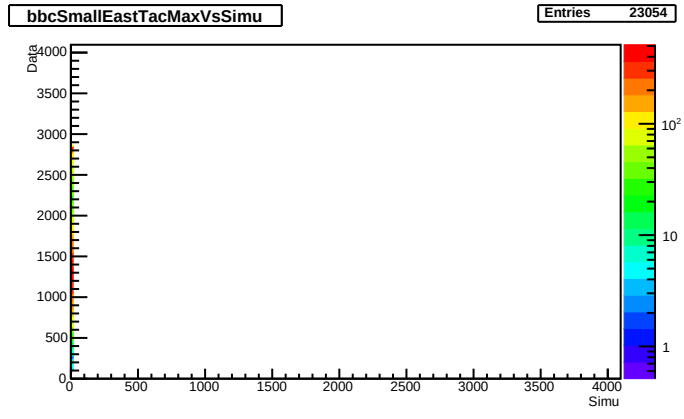

EQ3 QTC
Entries 2910912
ADC
QT Input Channel

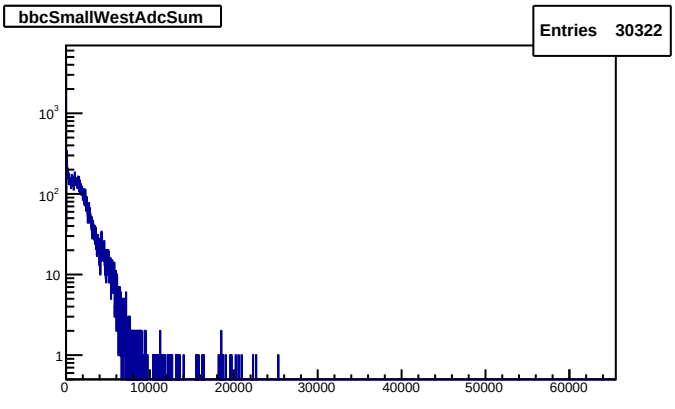

EQ3 QTC
Entries 2910912
TADC
QT Input Channel

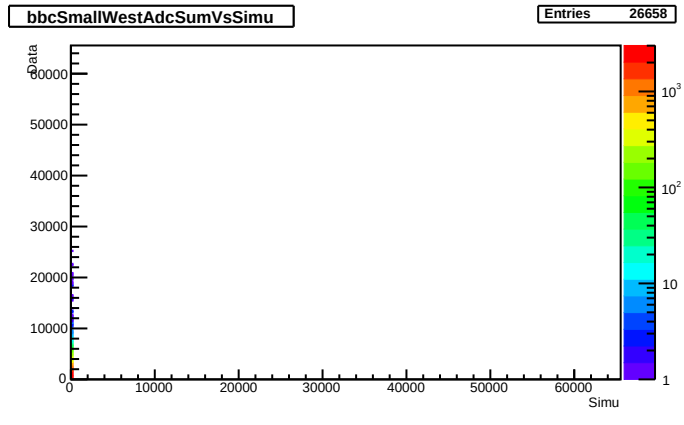

bbcSmallEastAdcSum
Entries 30322

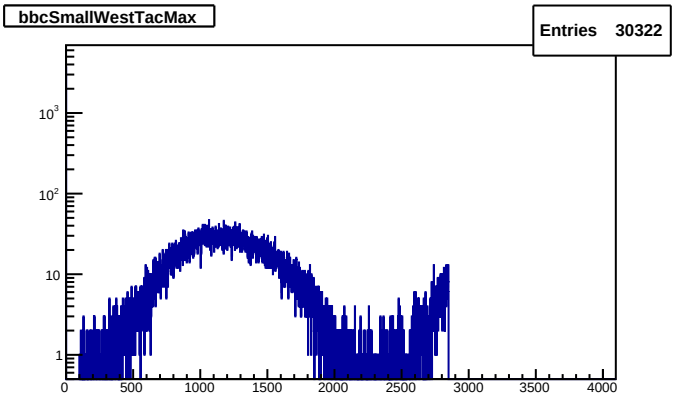

bbcSmallEastAdcSumVsSimu
Entries 23054
Data
Simu

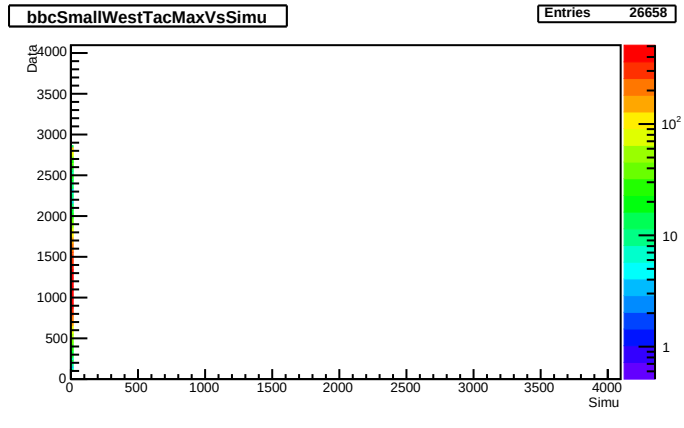

bbcSmallEastTacMax
Entries 30322

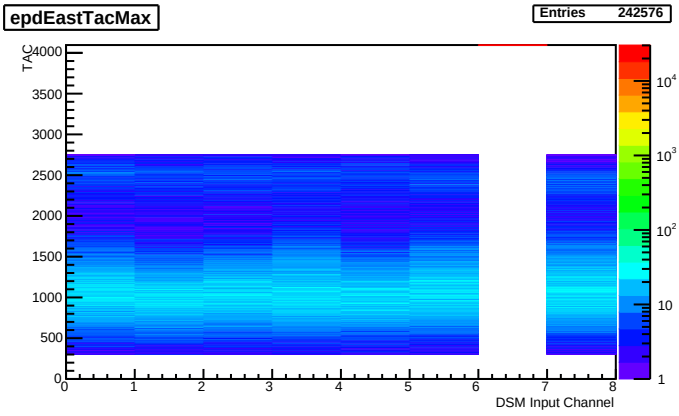

bbcSmallEastTacMaxVsSimu
Entries 23054
Data
Simu

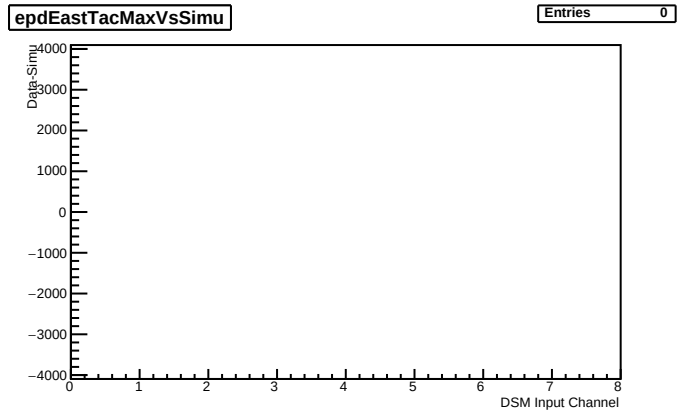

bbcSmallWestAdcSum
Entries 30322

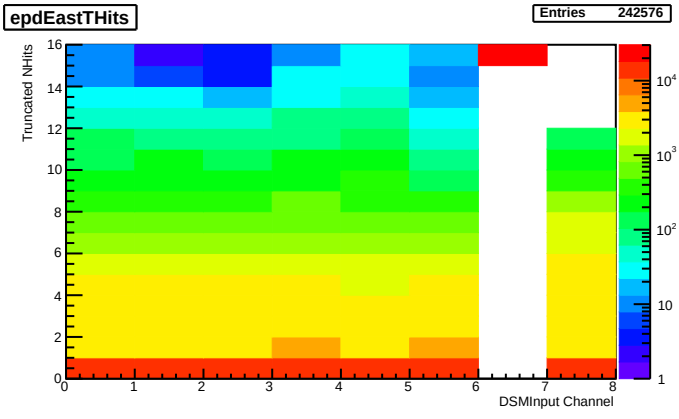

bbcSmallWestAdcSumVsSimu
Entries 26658
Data
Simu

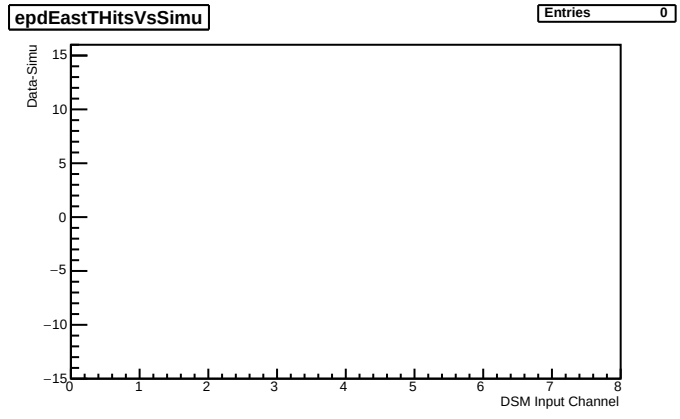

bbcSmallWestTacMax
Entries 30322

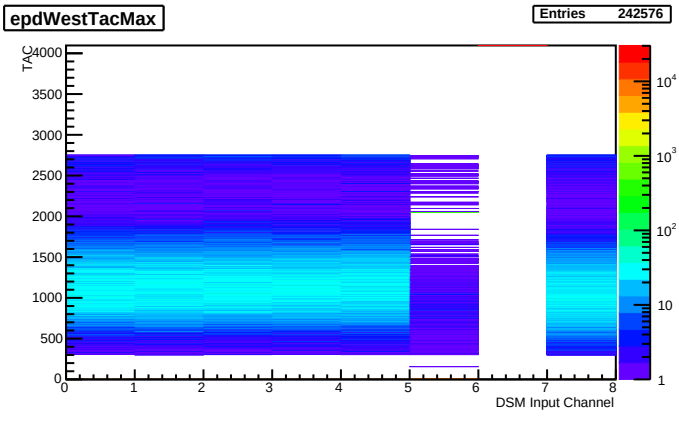

bbcSmallWestTacMaxVsSimu
Entries 26658
Data
Simu

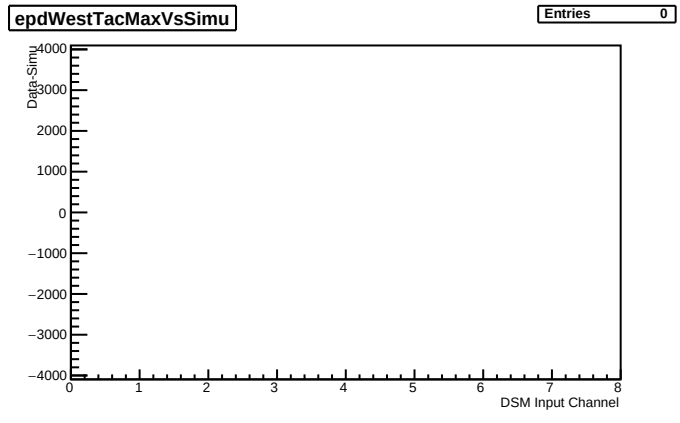

epdEastTacMax
Entries 242576
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 242576
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 242576
TAC
DSM Input Channel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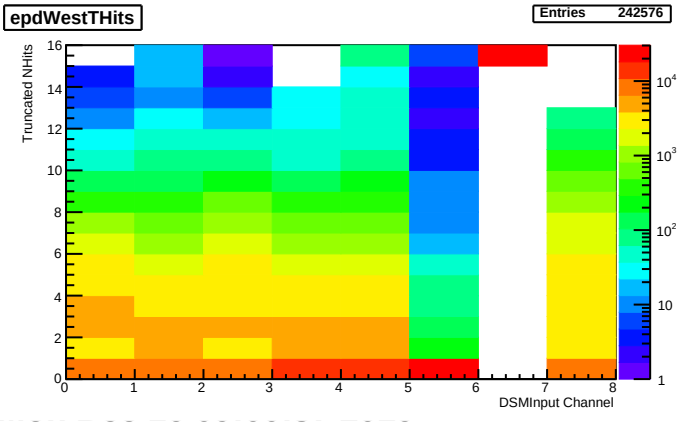
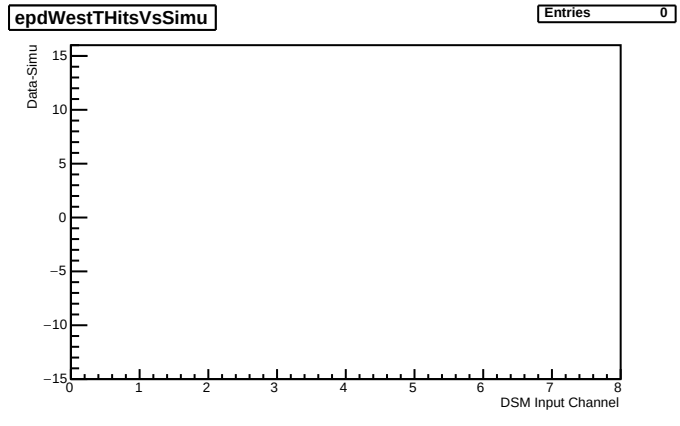
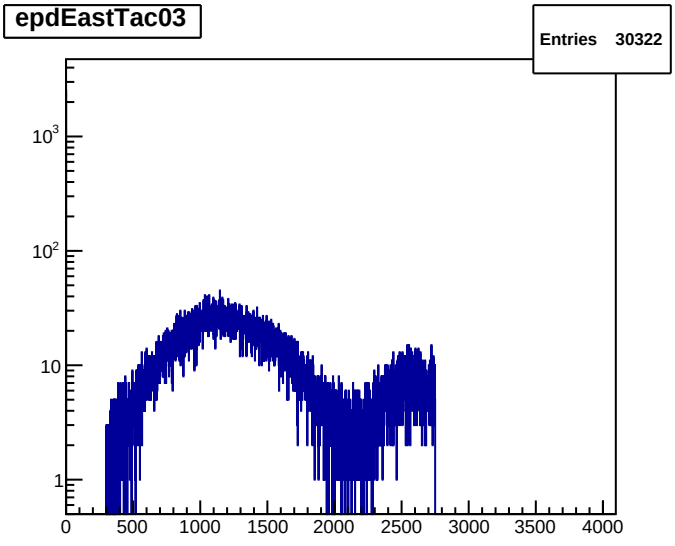
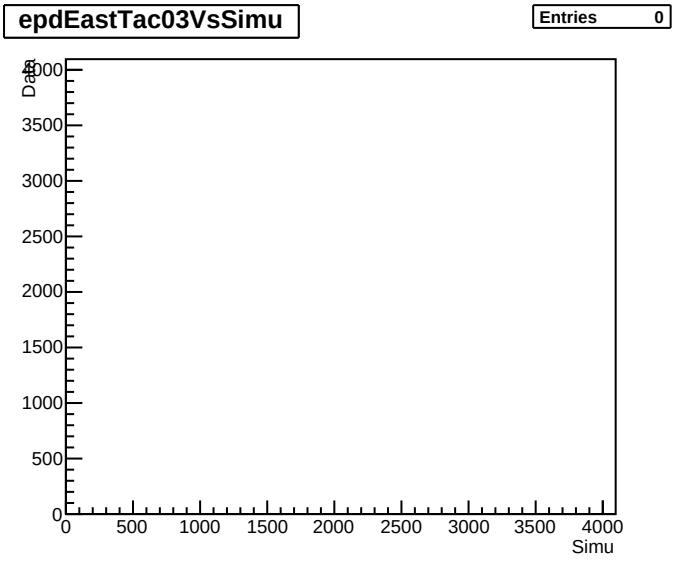
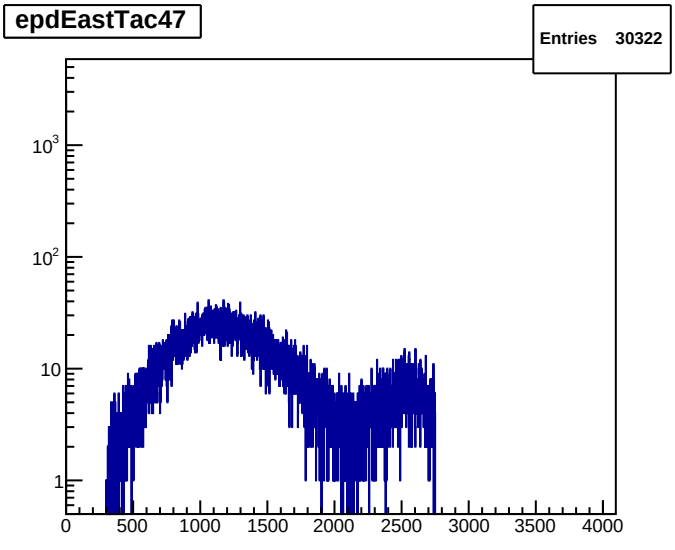
Entries 0
Data-Simu
DSM Input Channel

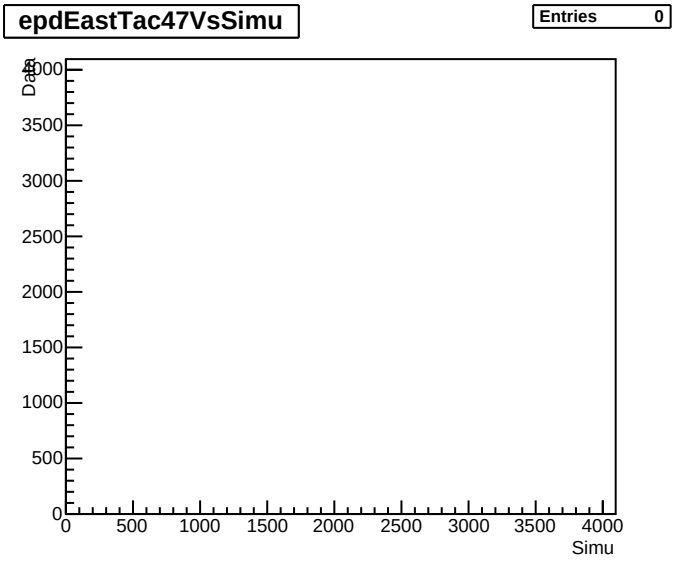

epdWestTHits
Entries 242576
Truncated NHits
DSMInput Channel

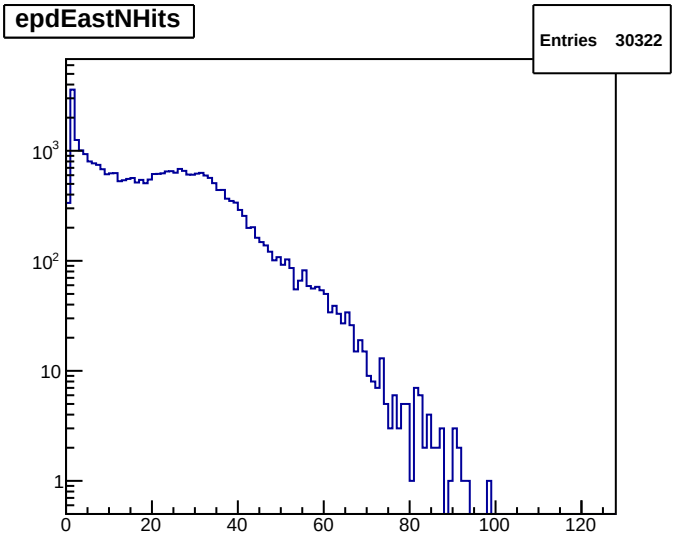

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

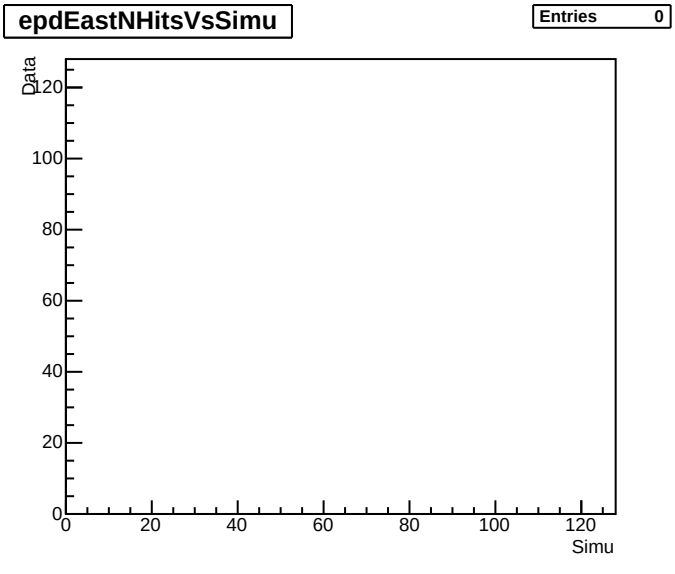

epdEastTac03
Entries 30322


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 30322


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 30322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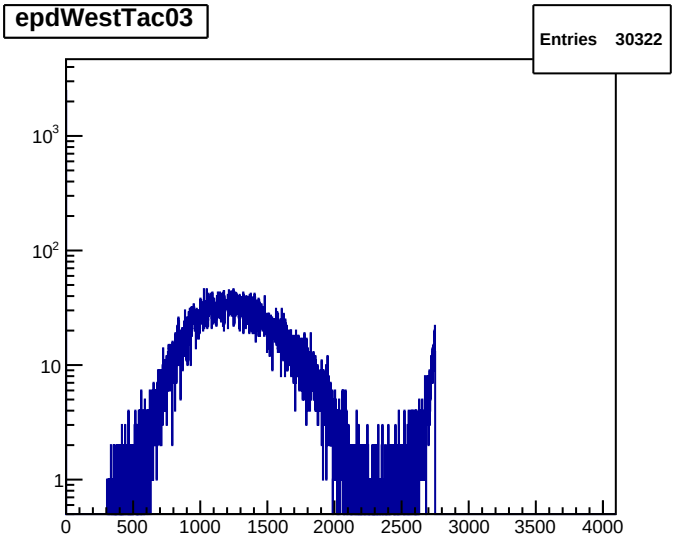
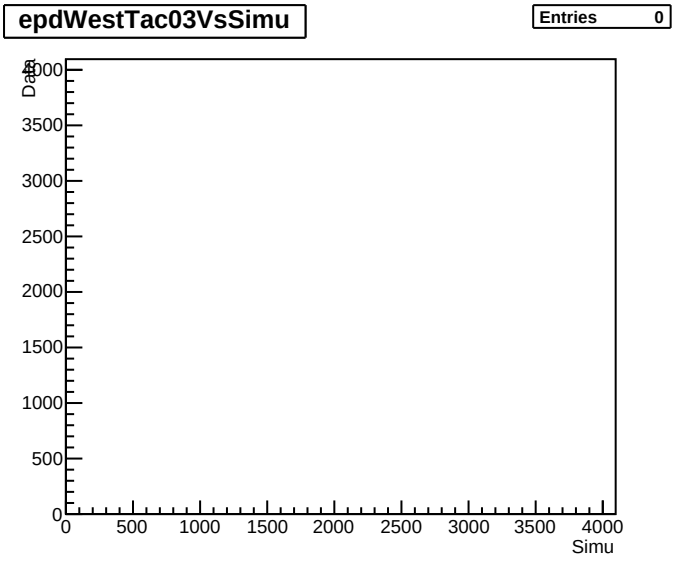
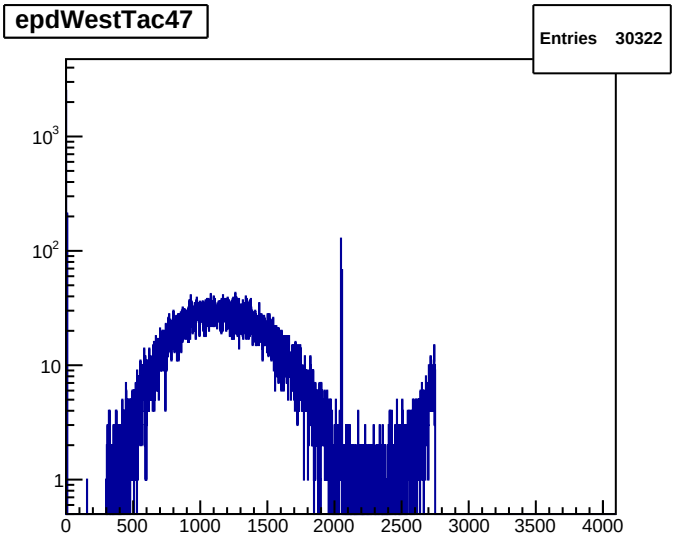
Entries 0
Data
Simu


epdWestTac03
Entries 30322


epdWestTac03VsSimu
Entries 0
Data
Simu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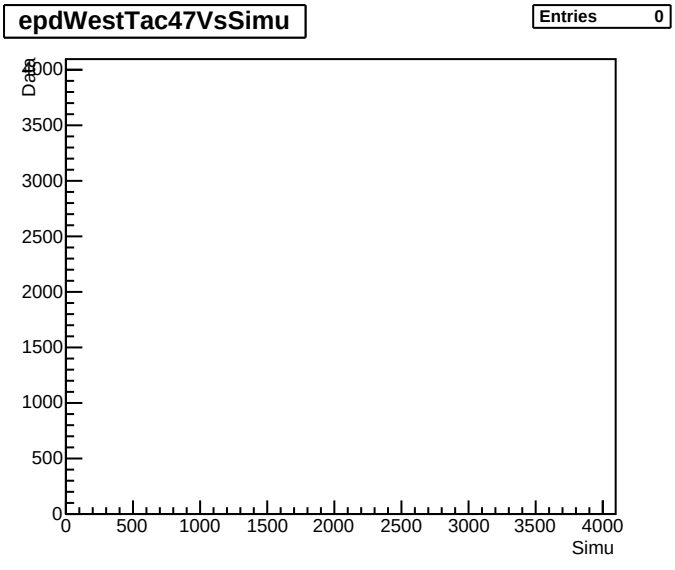
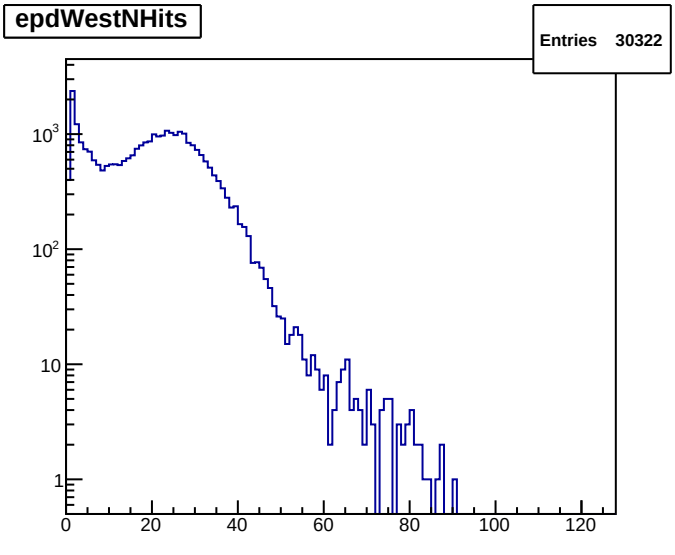
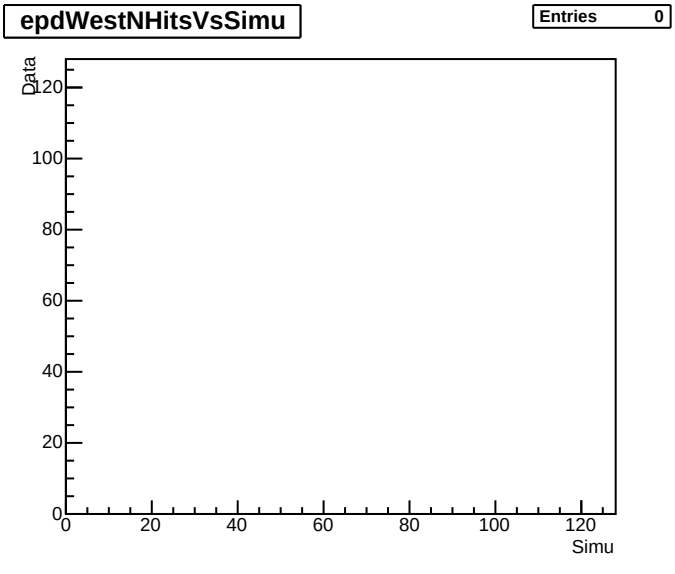
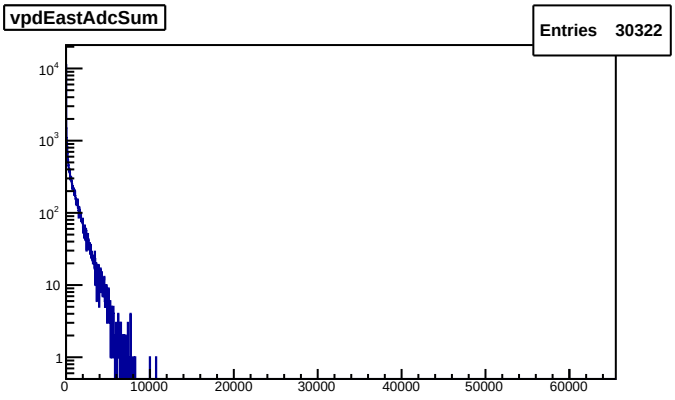
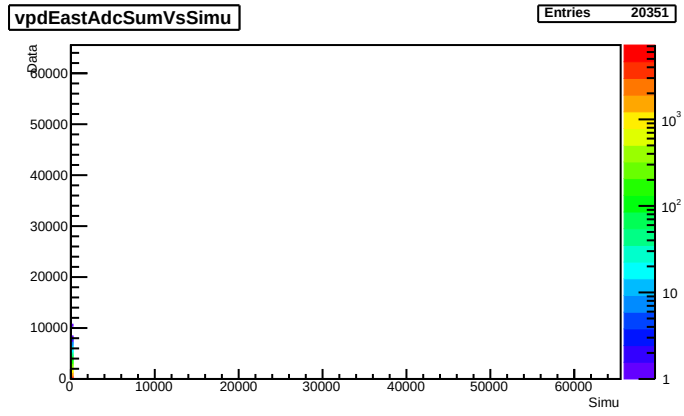
Entries 30322

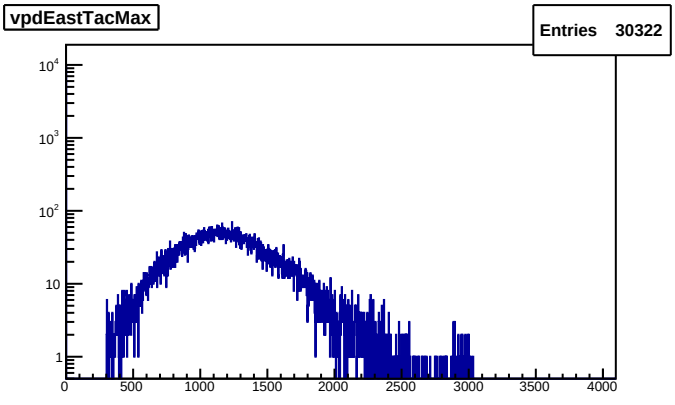

epdWestTac47VsSimu
Entries 0
Data
Simu

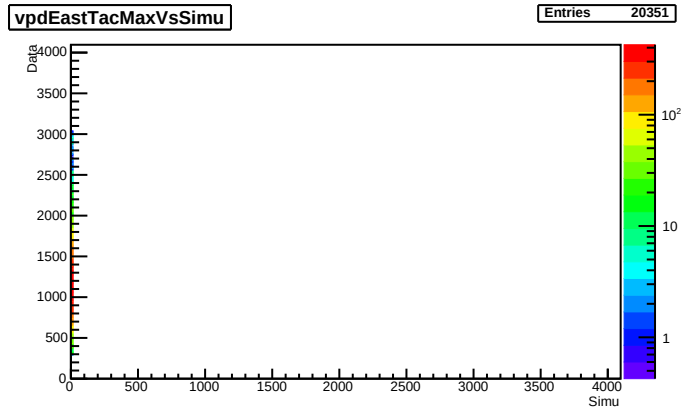

epdWestNHits
Entries 30322

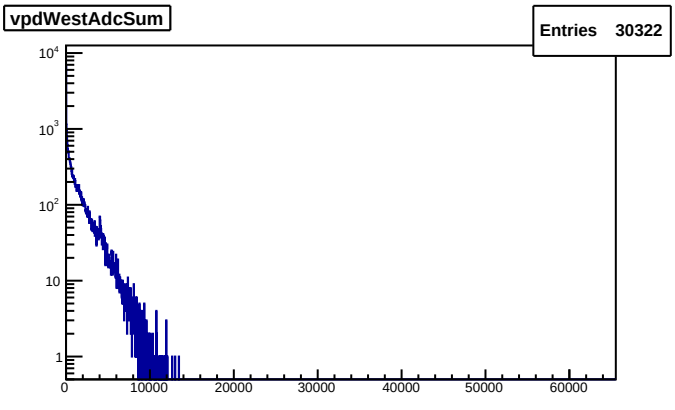

epdWestNHitsVsSimu
Entries 0
Data
Simu

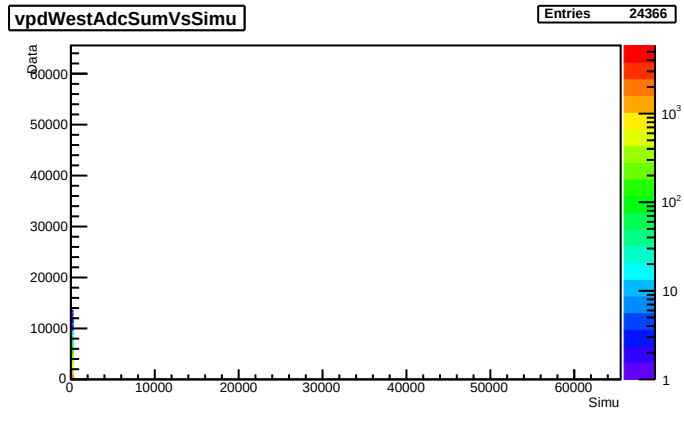

vpdEastAdcSum
Entries 30322

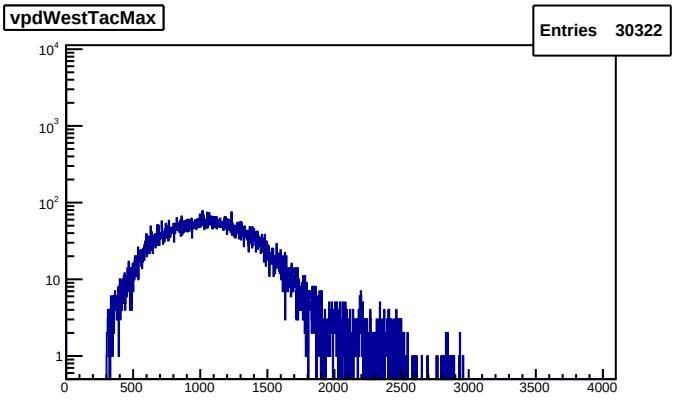

vpdEastAdcSumVsSimu
Entries 20351
Data
Simu

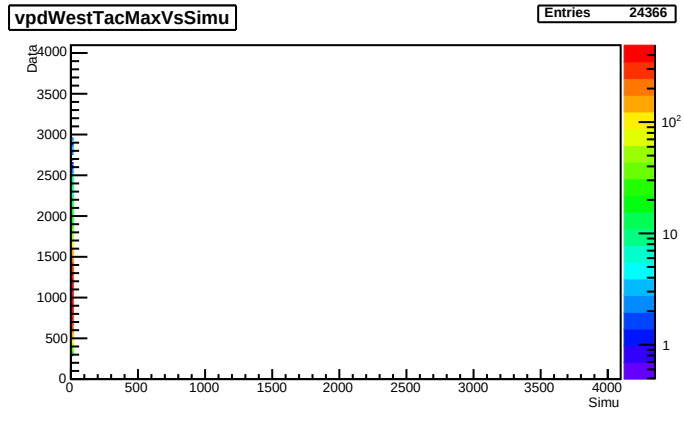

vpdEastTacMax
Entries 30322

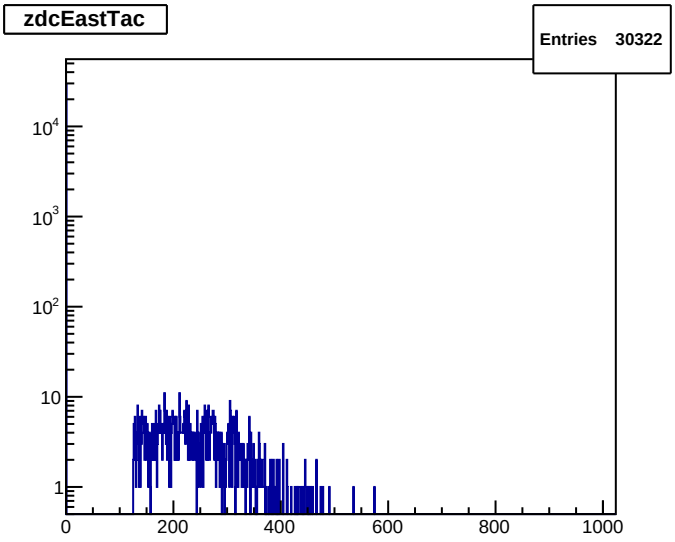

vpdEastTacMaxVsSimu
Entries 20351
Data
Simu

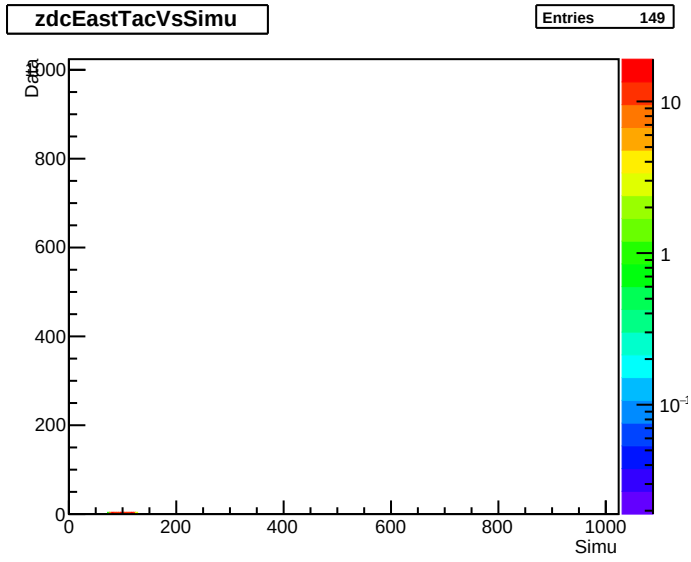

vpdWestAdcSum
Entries 30322

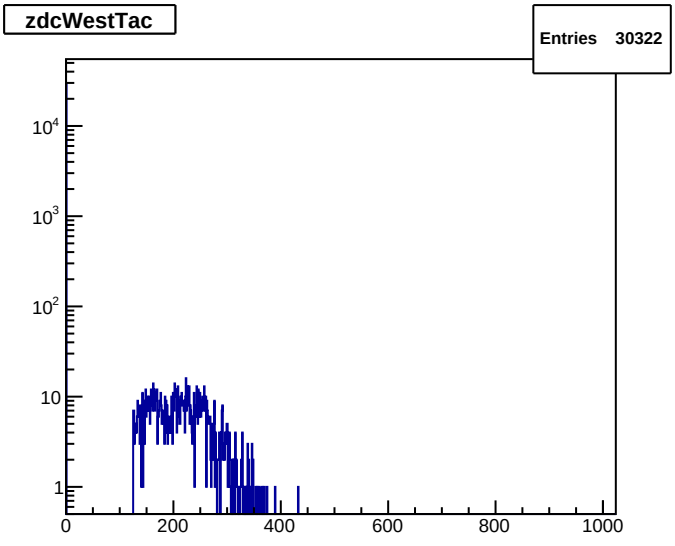

vpdWestAdcSumVsSimu
Entries 24366
Data
Simu

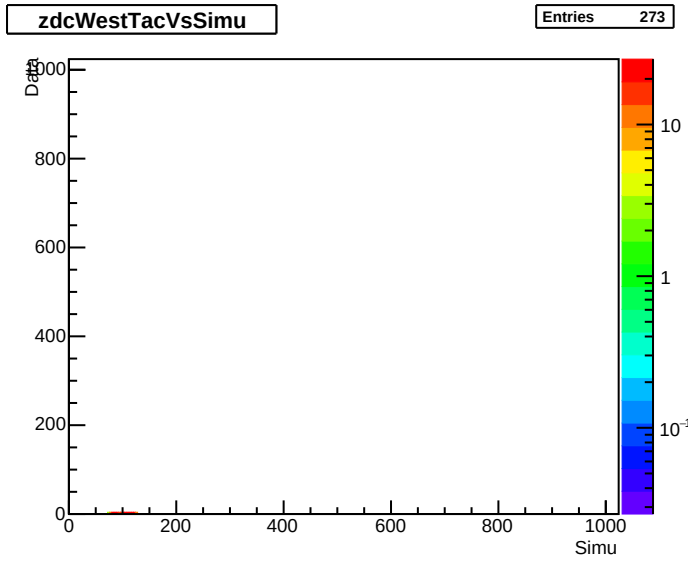

vpdWestTacMax
Entries 30322

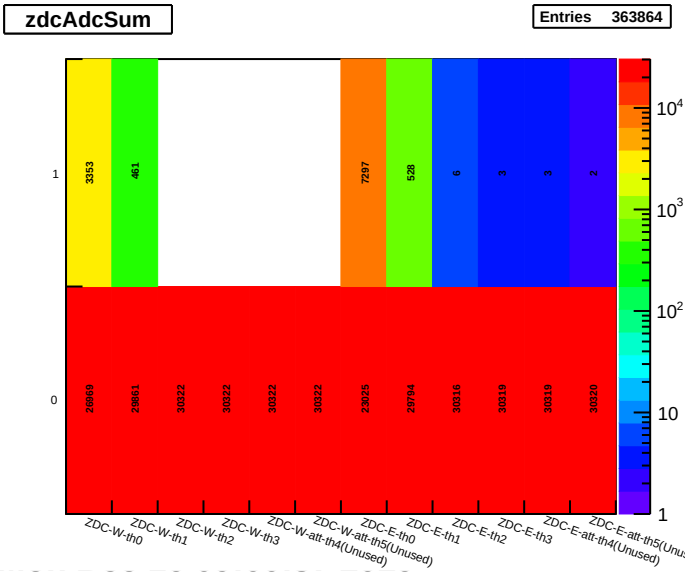

vpdWestTacMaxVsSimu
Entries 24366
Data
Simu

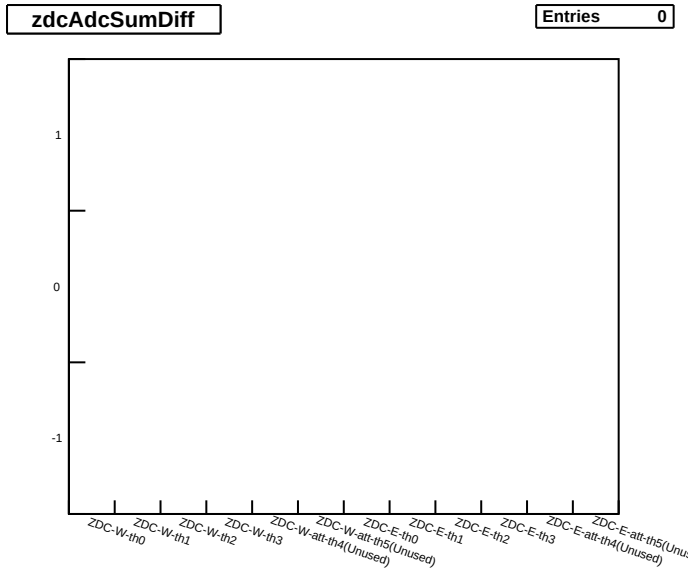

zdcEastTac
Entries 30322

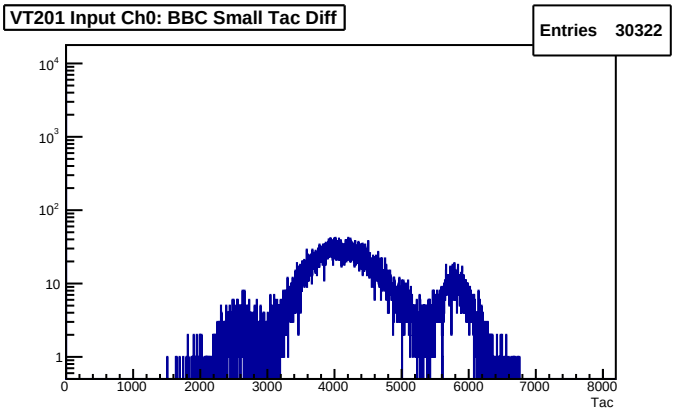

zdcEastTacVsSimu
Entries 149
Data
Simu

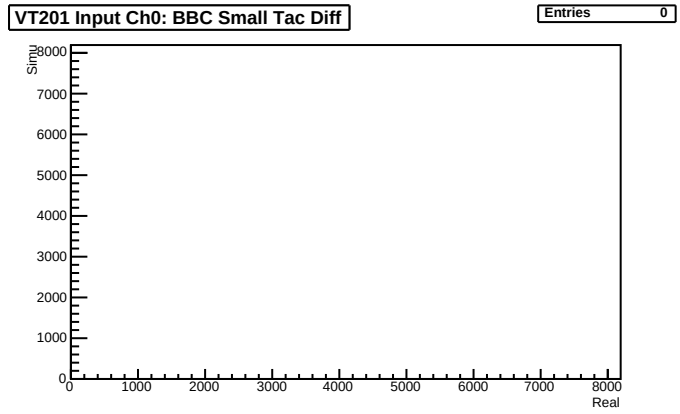

zdcWestTac
Entries 30322

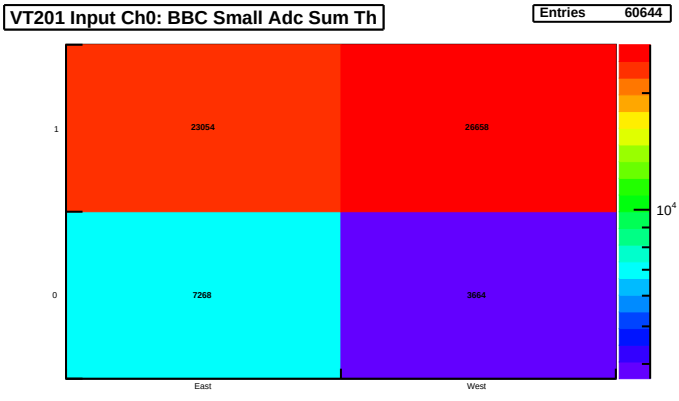

zdcWestTacVsSimu
Entries 273
Data
Simu

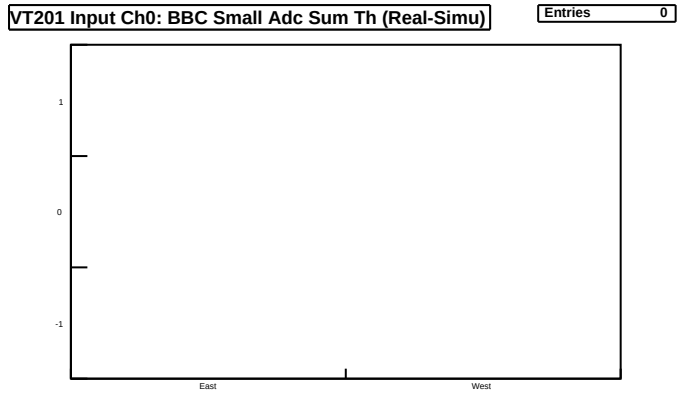

zdcAdcSum
Entries 363864
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

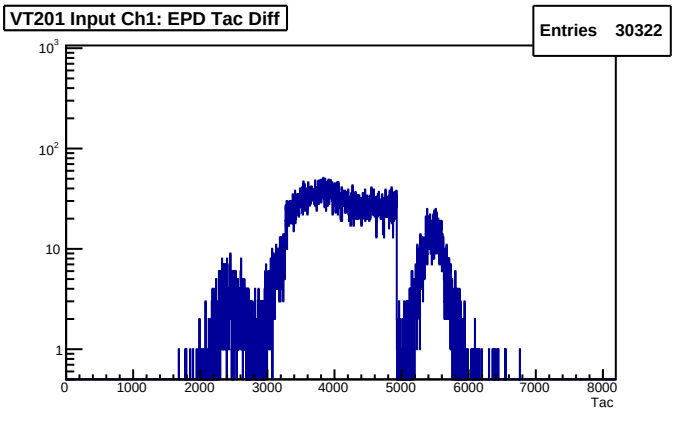

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

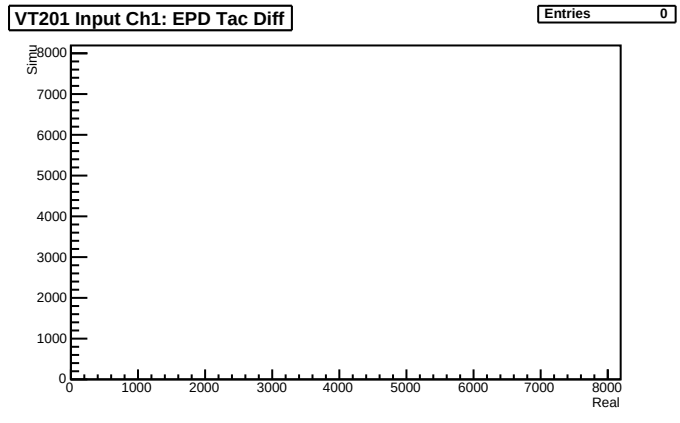

VT201 Input Ch0: BBC Small Tac Diff
Entries 30322
Tac

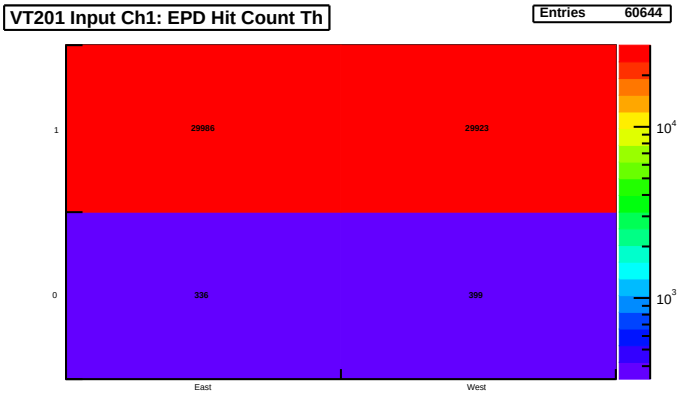

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

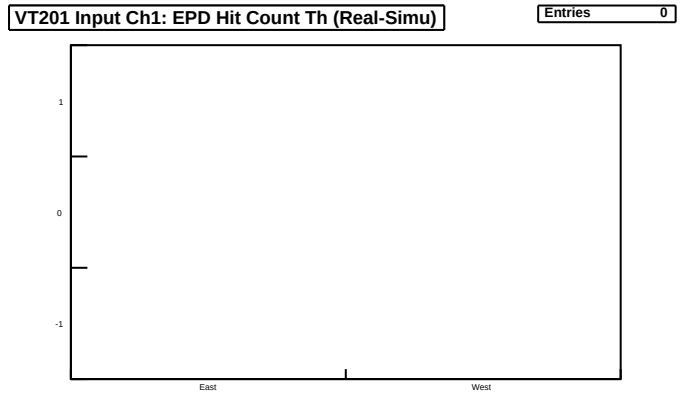

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 60644
23054
26658
7268
3664
East
West

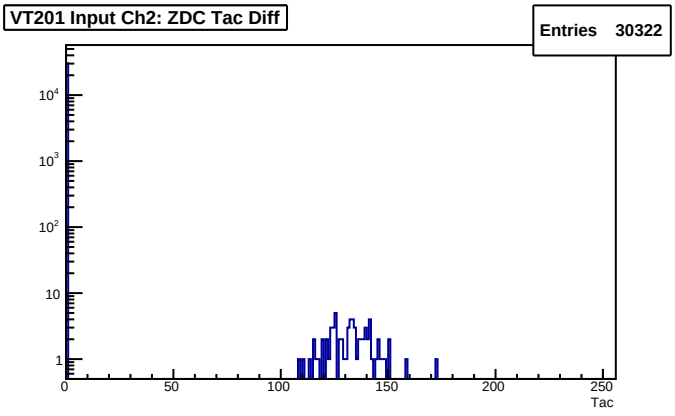

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

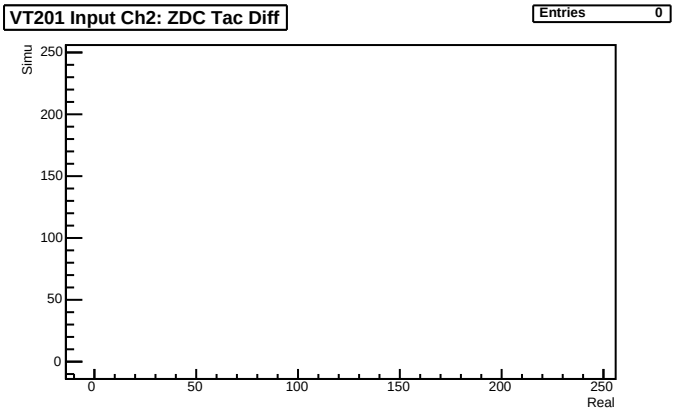

VT201 Input Ch1: EPD Tac Diff
Entries 30322
Tac

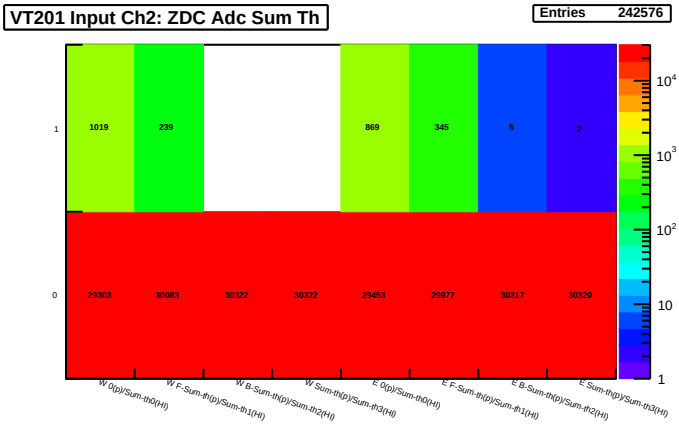

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

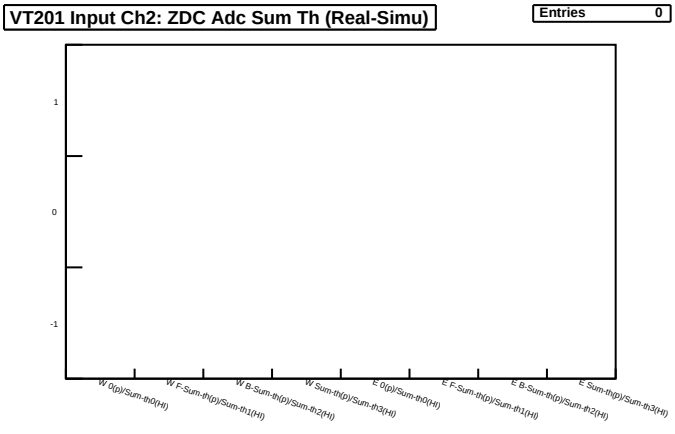

VT201 Input Ch1: EPD Hit Count Th
Entries 60644
29986
29923
336
399
East
West

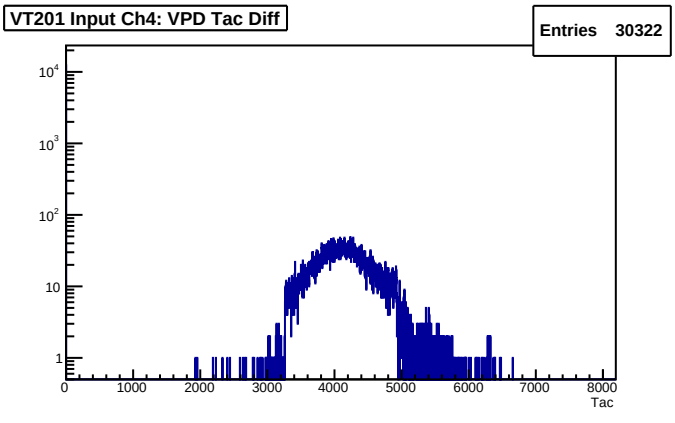

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

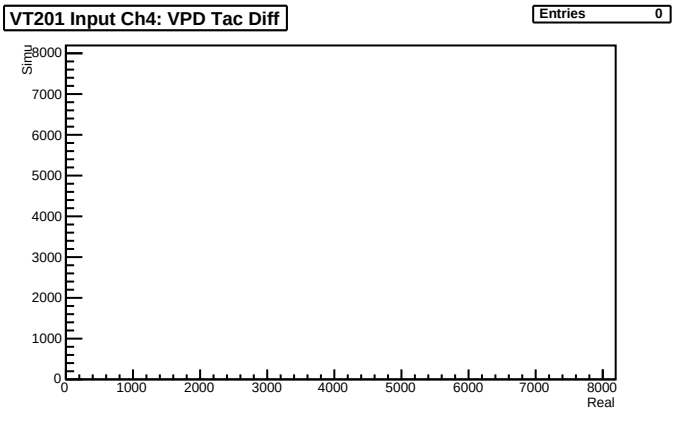

VT201 Input Ch2: ZDC Tac Diff
Entries 30322
Tac

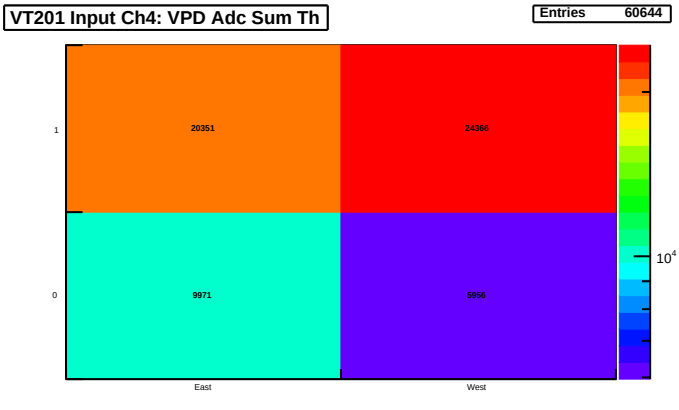

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

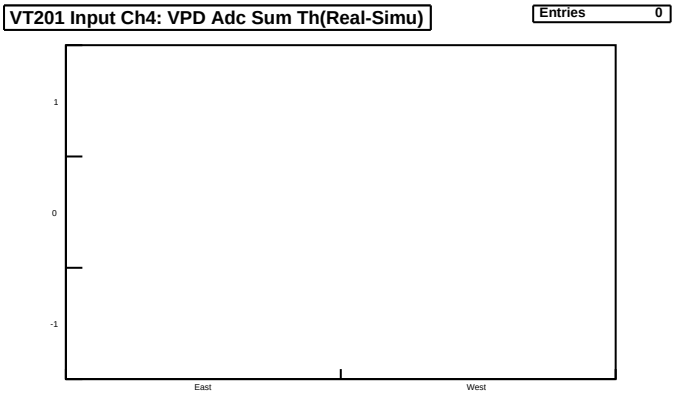

VT201 Input Ch2: ZDC Adc Sum Th
Entries 242576
1019
239
869
345
5
2
29303
30083
30322
30322
29453
29977
30317
30320
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

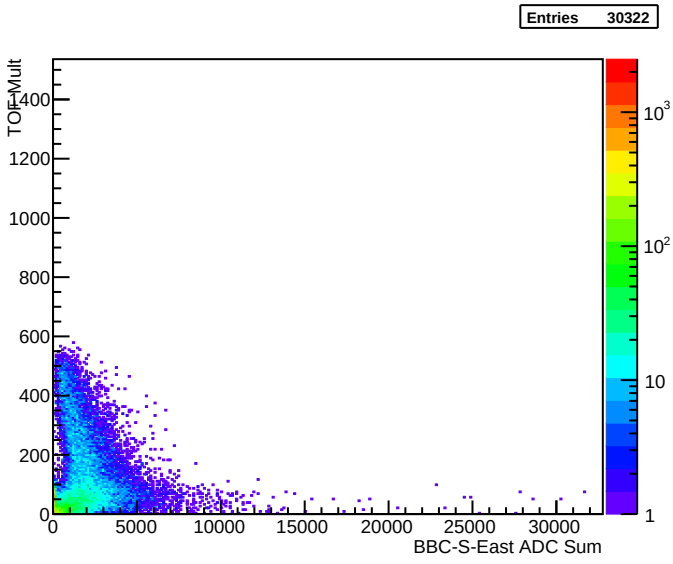

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

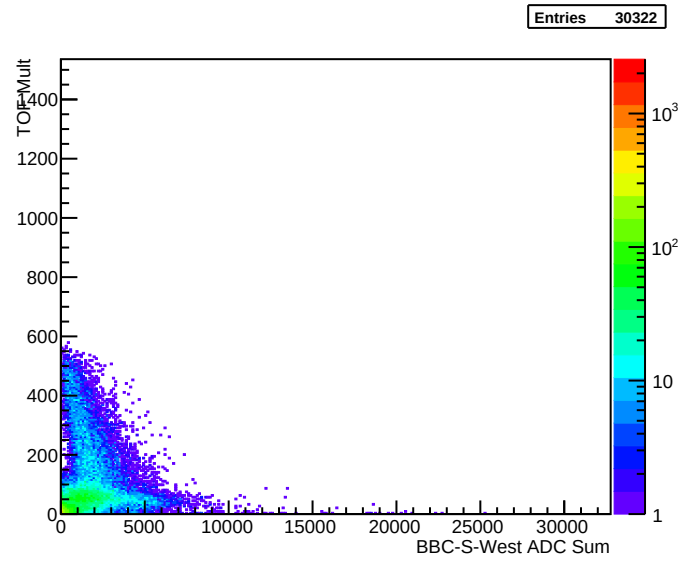

VT201 Input Ch4: VPD Tac Diff
Entries 30322
Tac

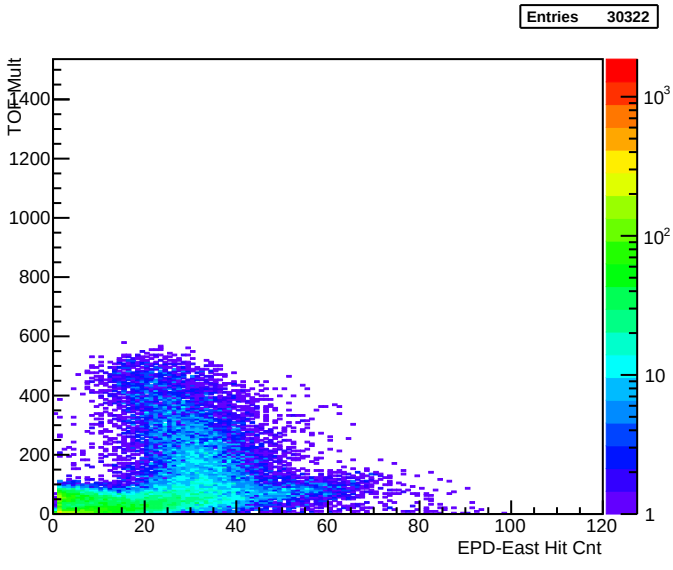

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

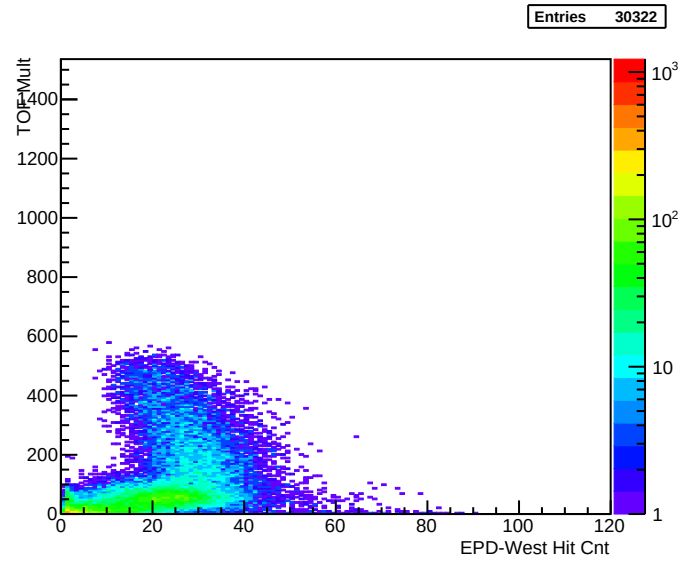

VT201 Input Ch4: VPD Adc Sum Th
Entries 60644
20351
24366
9971
5956
East
West

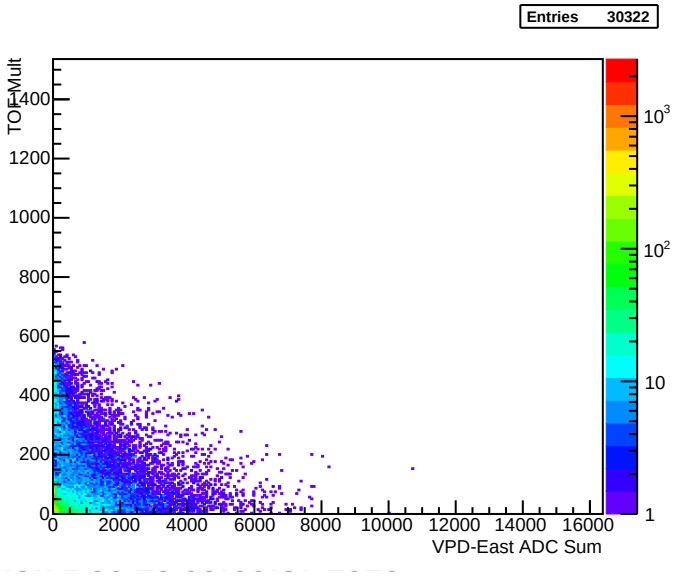

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

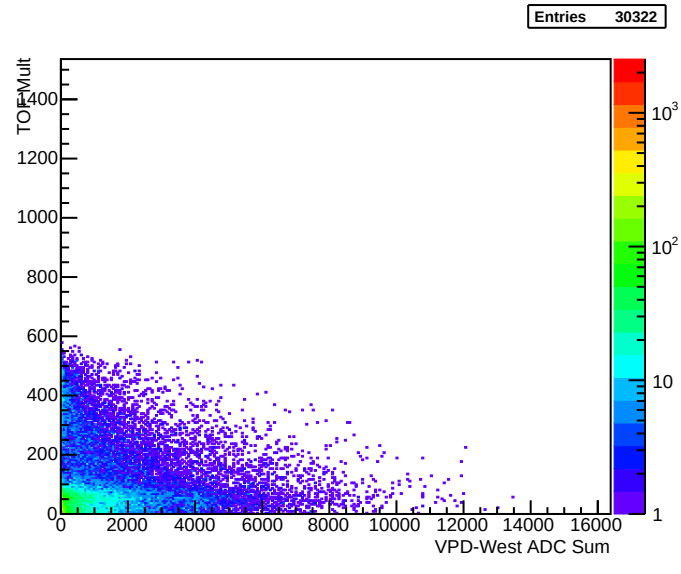

Entries 30322
TOF-Mult
BBC-S-East ADC Sum

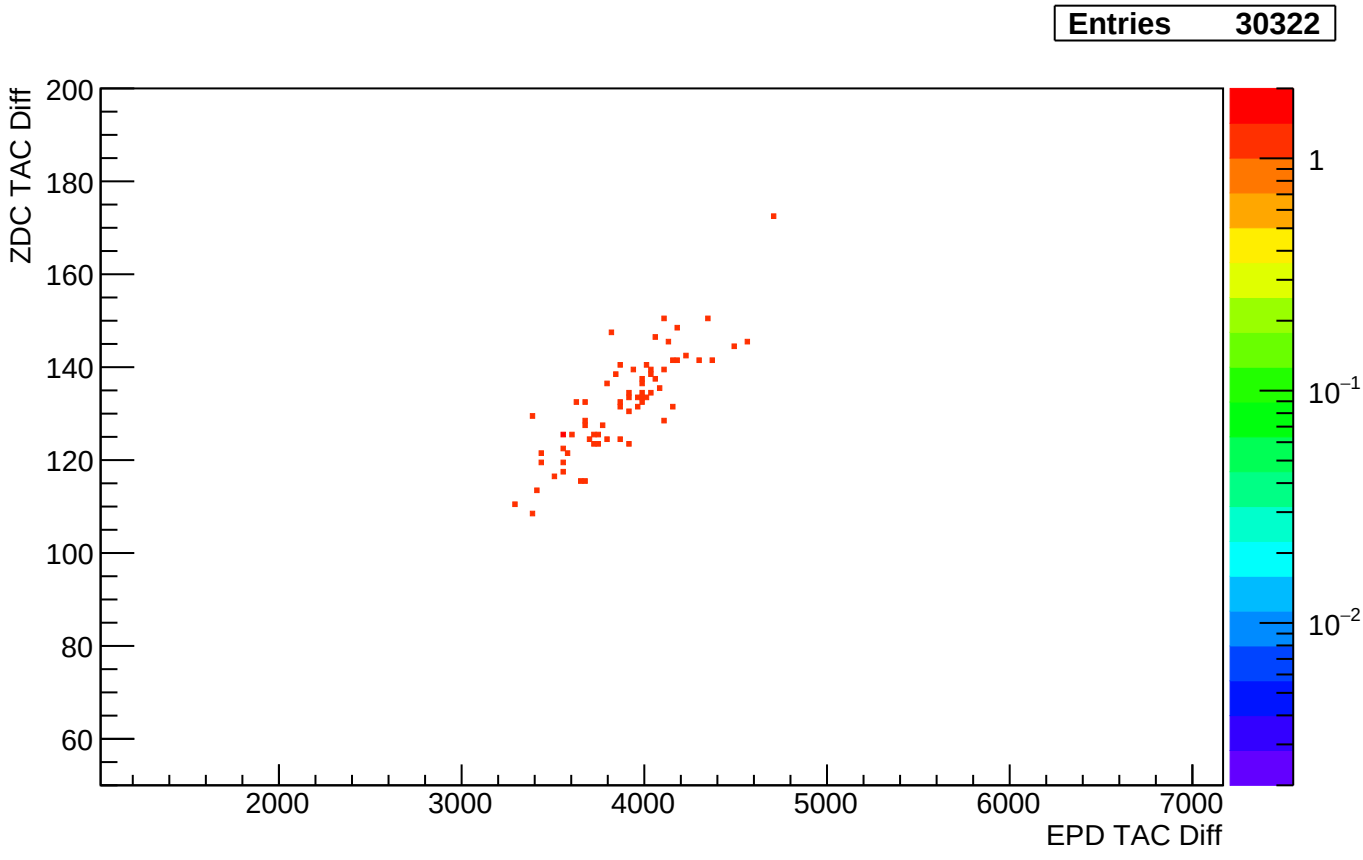

Entries 30322
TOF-Mult
BBC-S-West ADC Sum

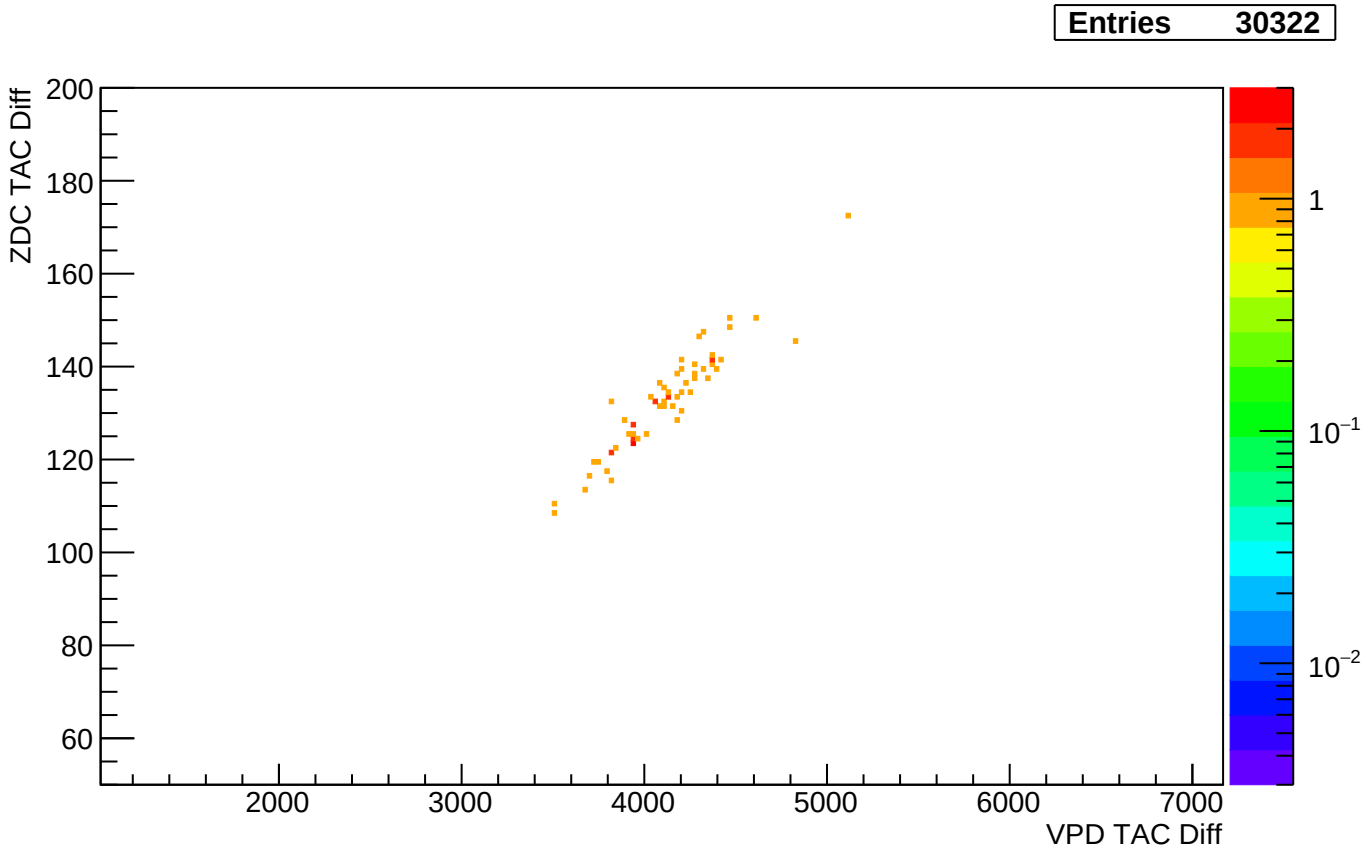

Entries 30322
TOF-Mult
EPD-East Hit Cnt

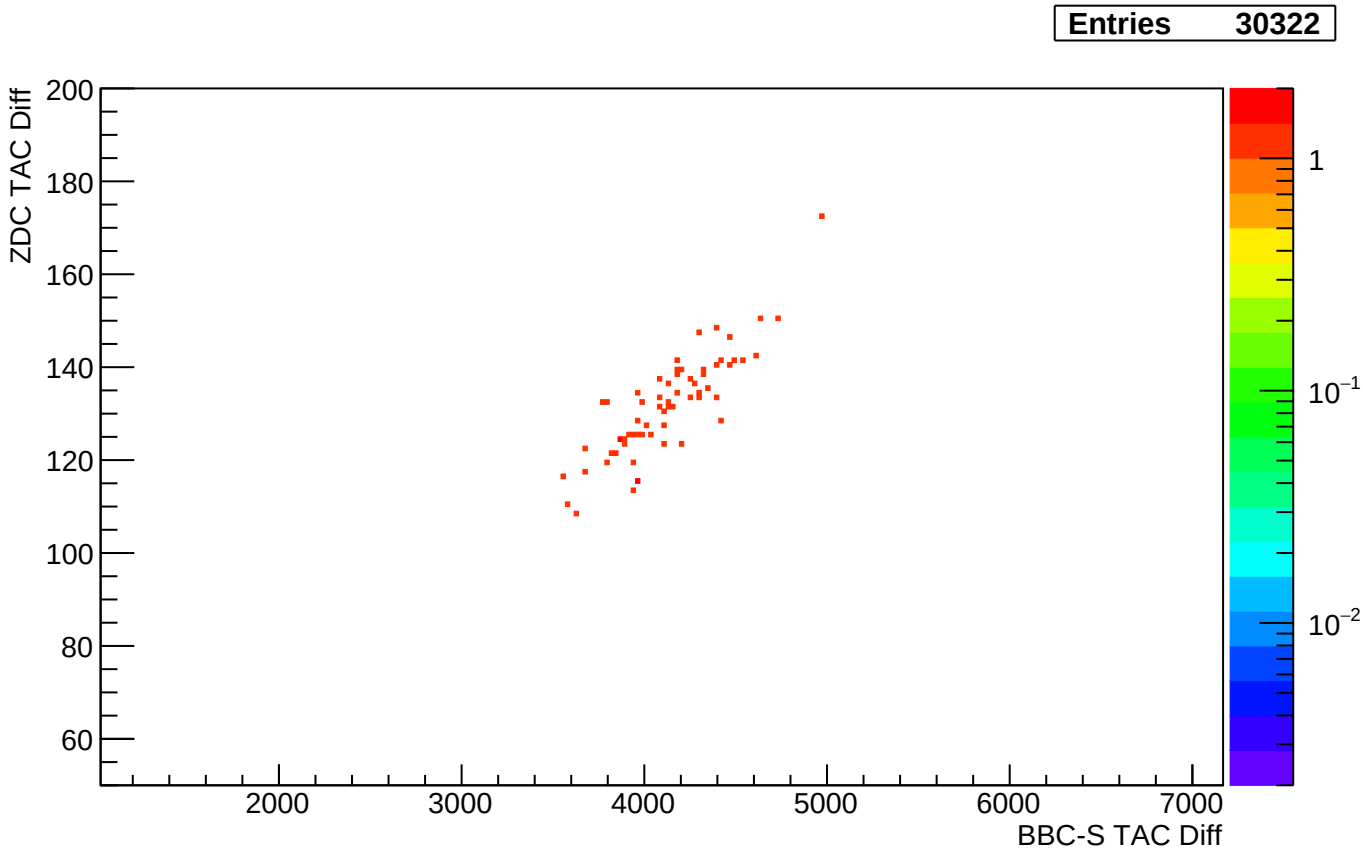

Entries 30322
TOF-Mult
EPD-West Hit Cnt

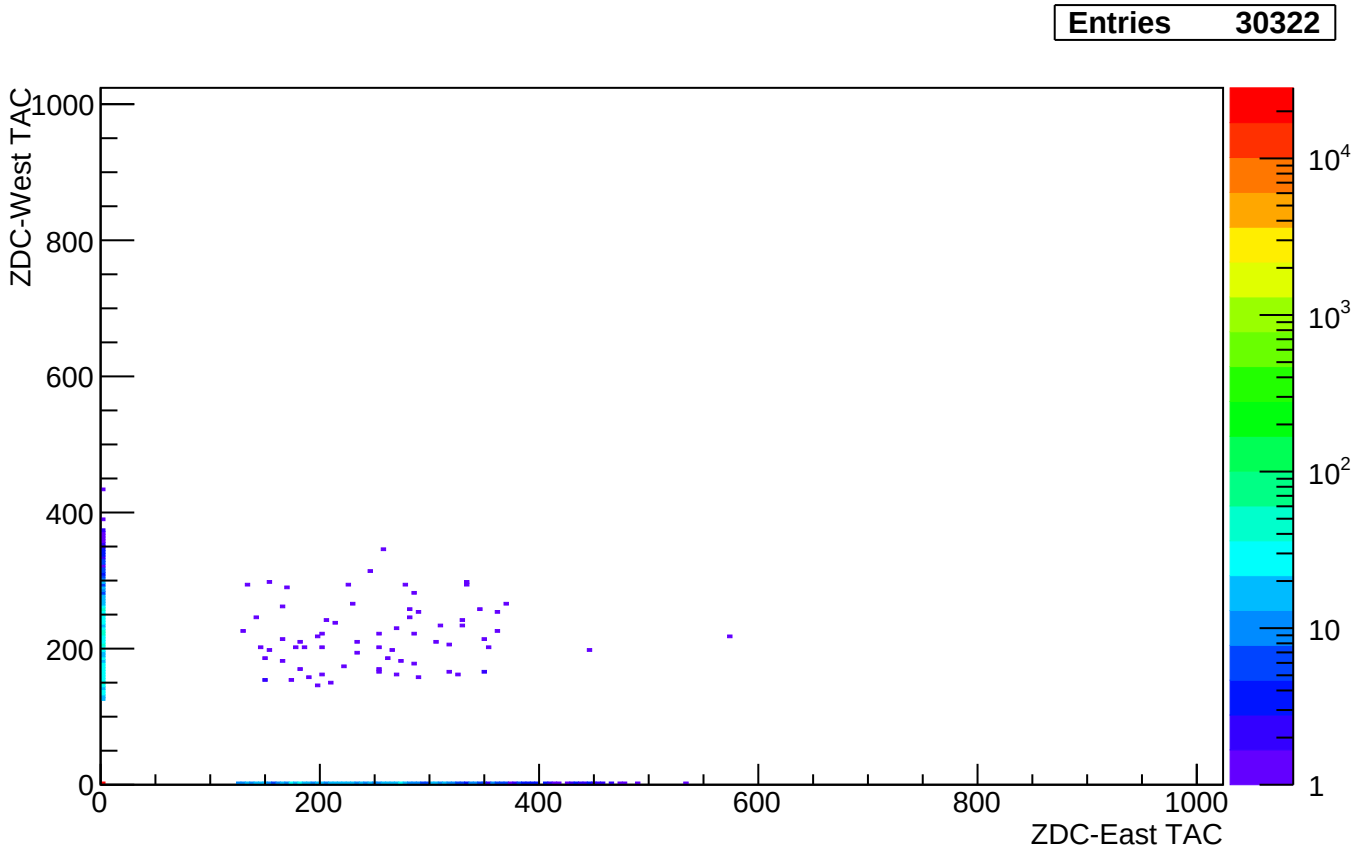

Entries 30322
TOF-Mult
VPD-East ADC Sum

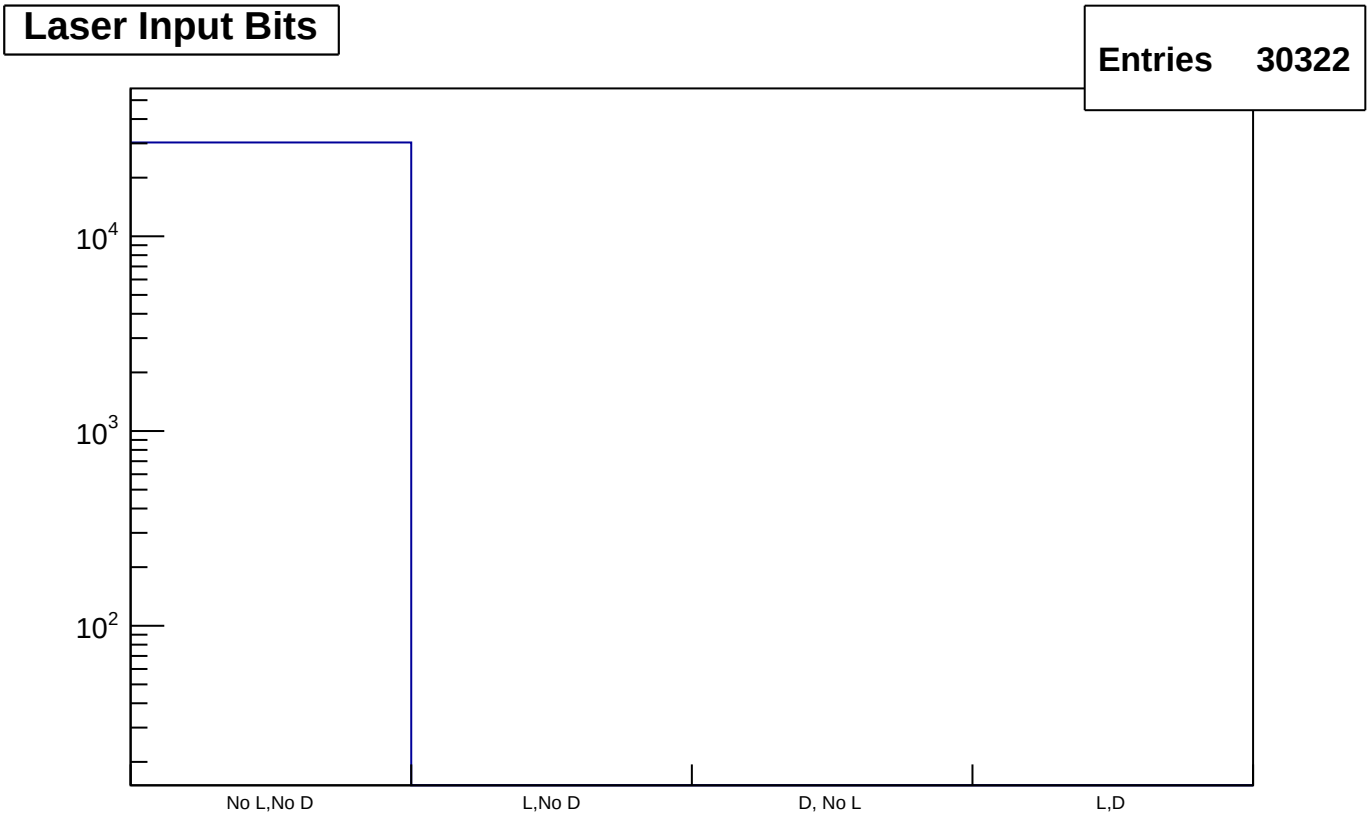

Entries 30322
TOF-Mult
VPD-West ADC Sum

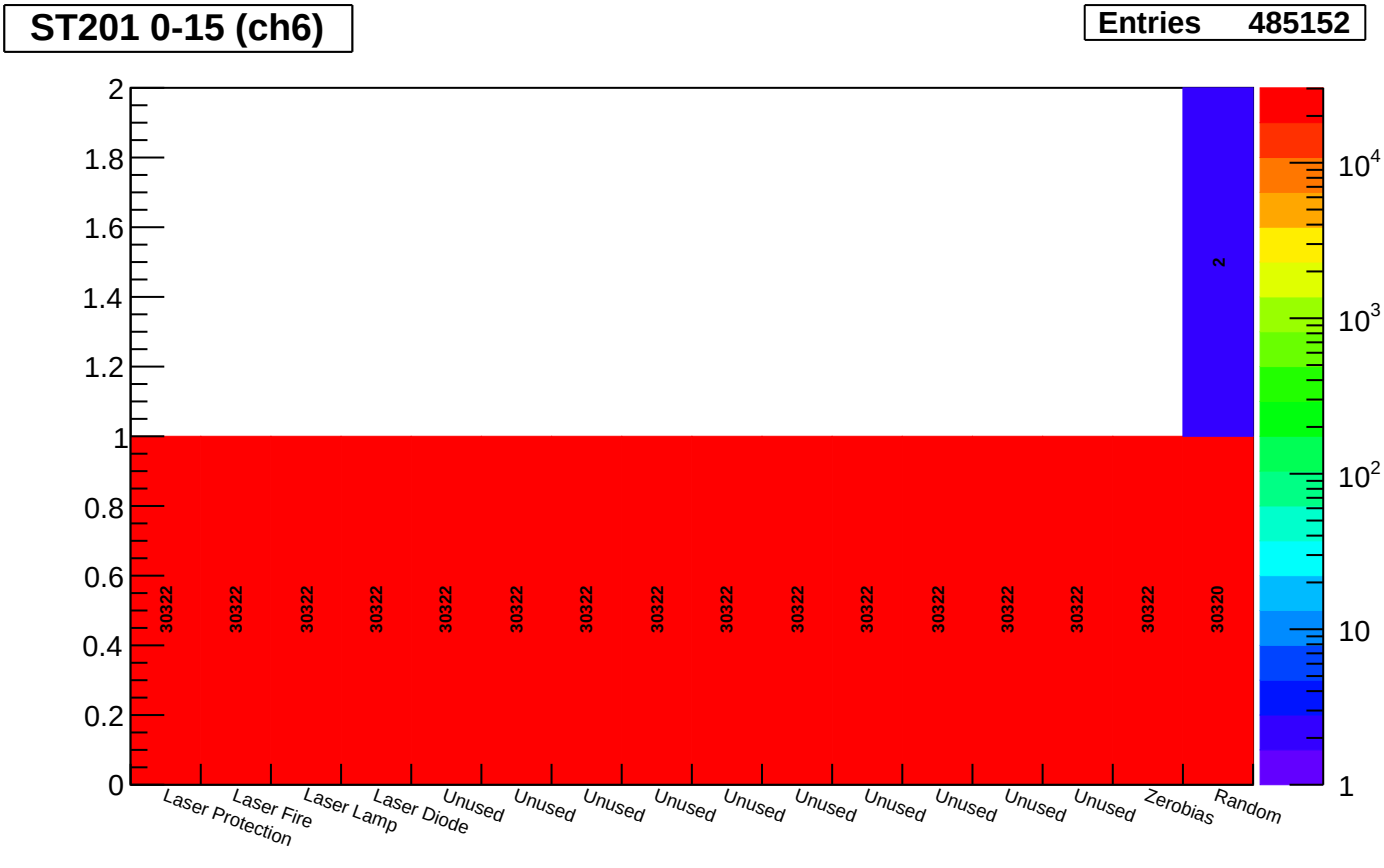

Entries 30322
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

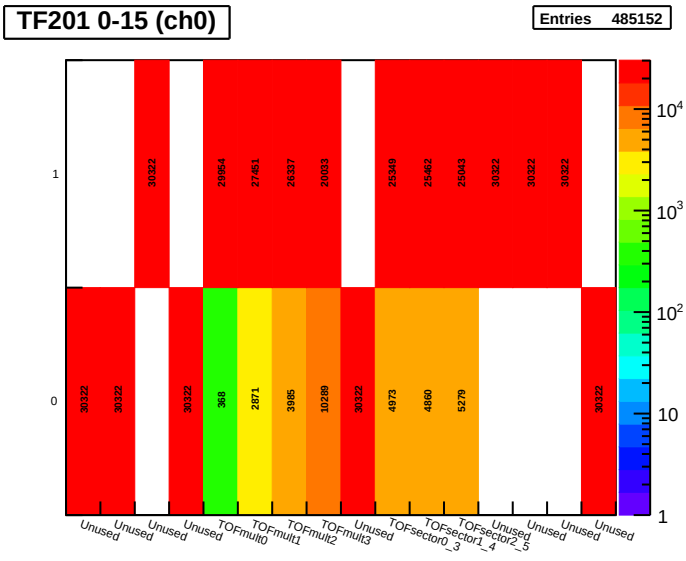

Entries 30322
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

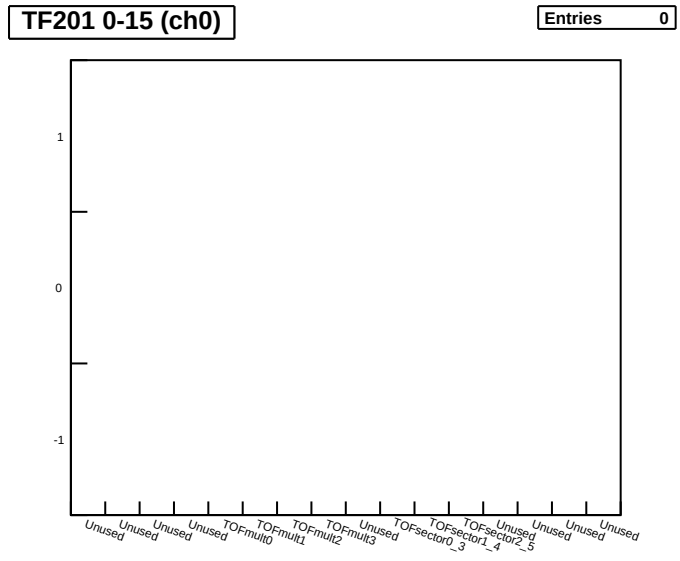

Entries 30322
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

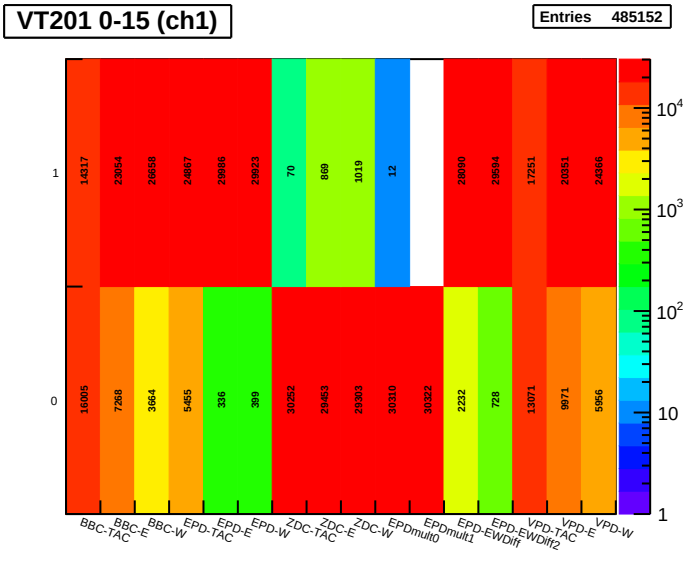

Entries 30322
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

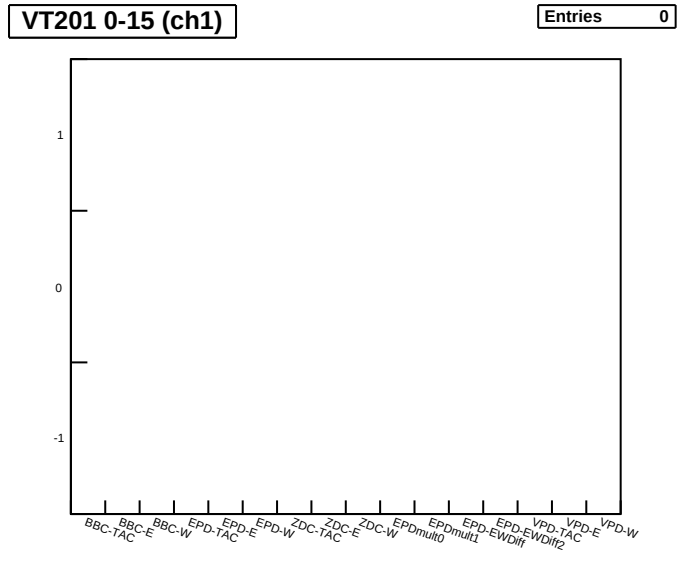

Laser Input Bits
Entries 30322
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

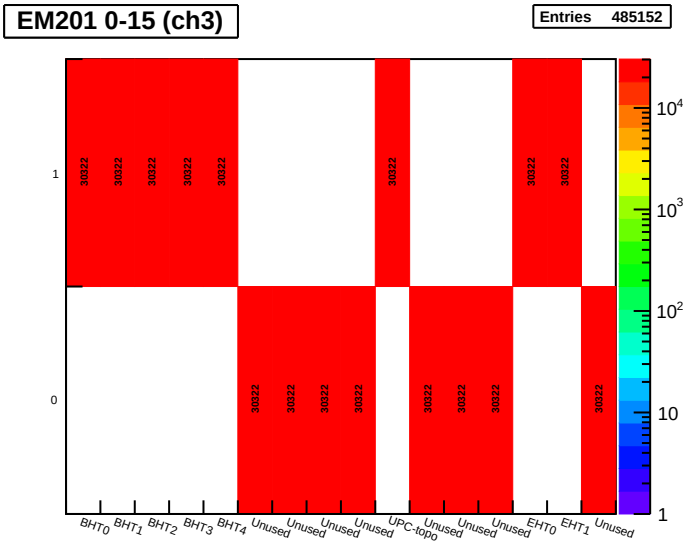

ST201 0-15 (ch6)
Entries 485152
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
30322
30320
2
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

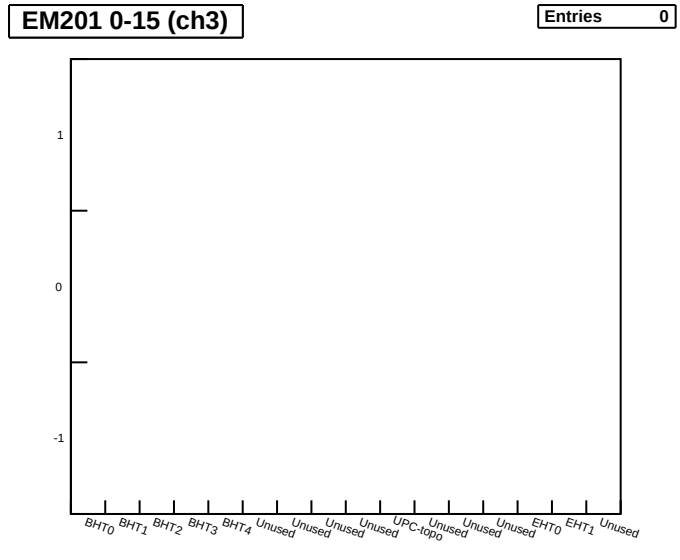

TF201 0-15 (ch0)
Entries 485152
1
0
30322
29954
27451
26337
20033
25349
25462
25043
30322
30322
30322
30322
30322
30322
30322
368
2871
3985
10289
30322
4973
4860
5279
30322
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 485152
1
0
14317
23054
26658
24867
29986
29923
70
869
1019
12
28090
25594
17251
20351
24366
16005
7268
3664
5455
336
399
30252
29453
29303
30310
30322
2232
728
13071
9971
5956
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 485152
1
0
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
30322
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