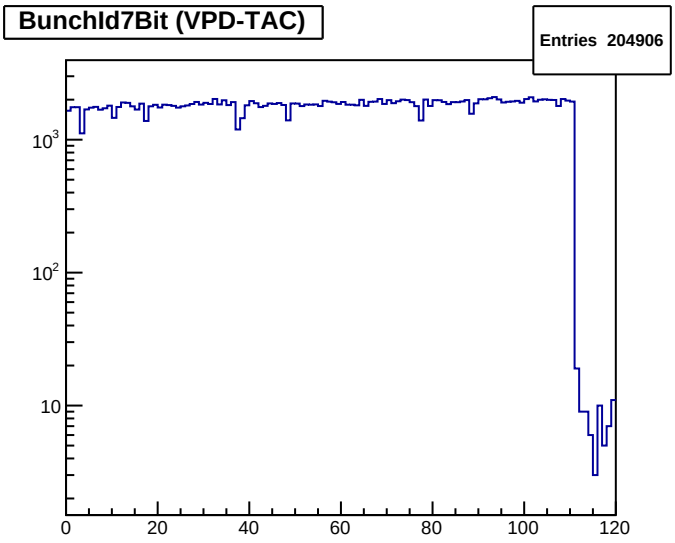
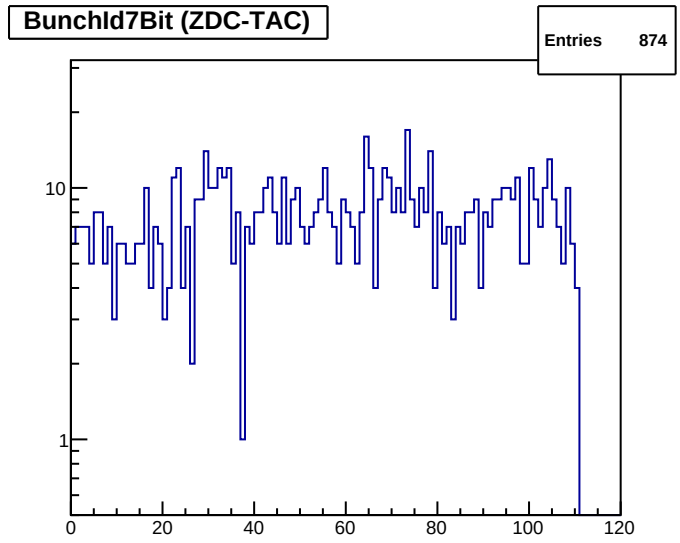
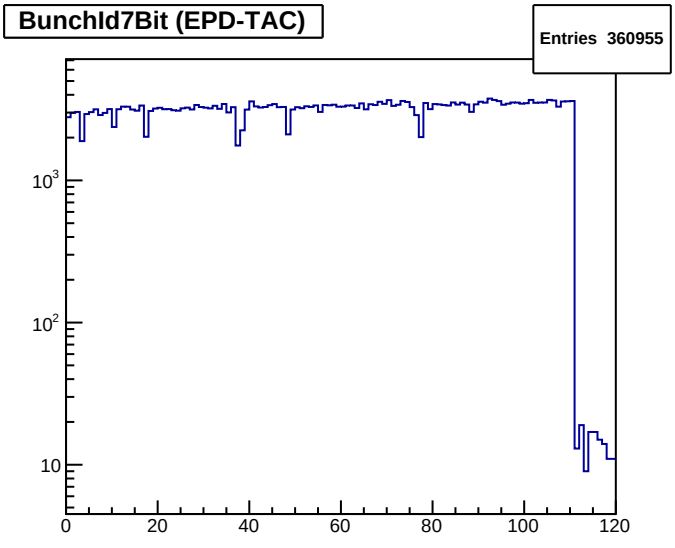
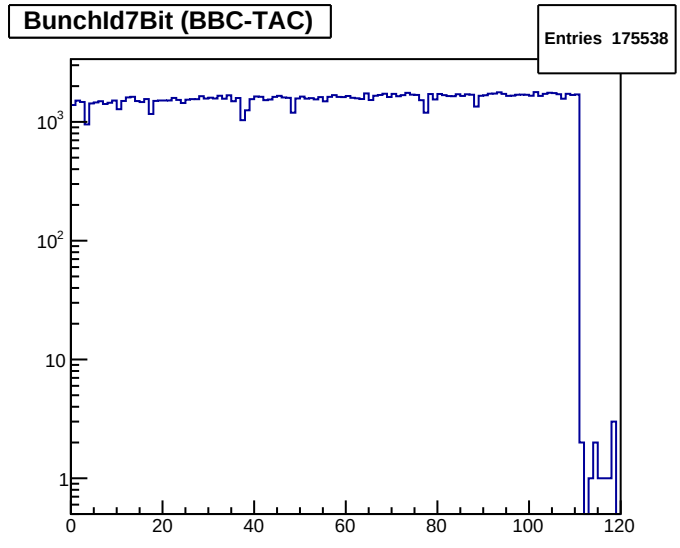
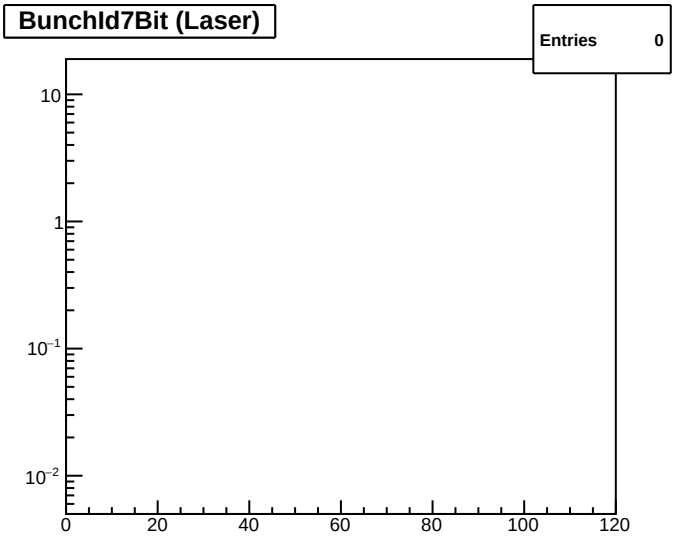
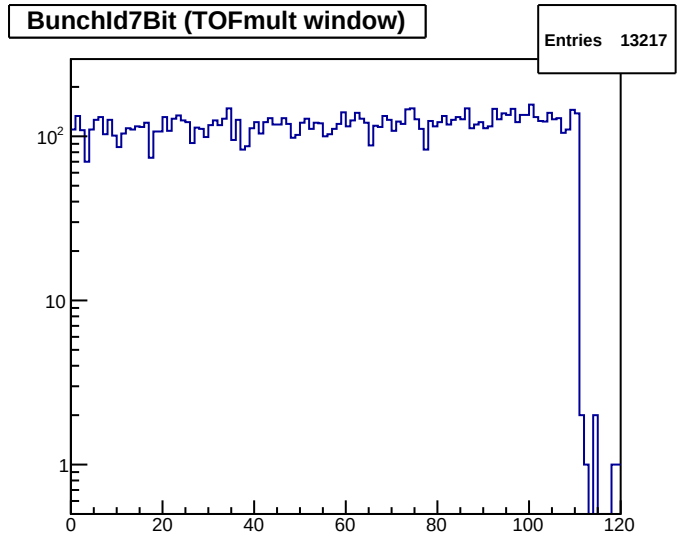

BunchId7Bit (VPD-TAC)
Entries 204906

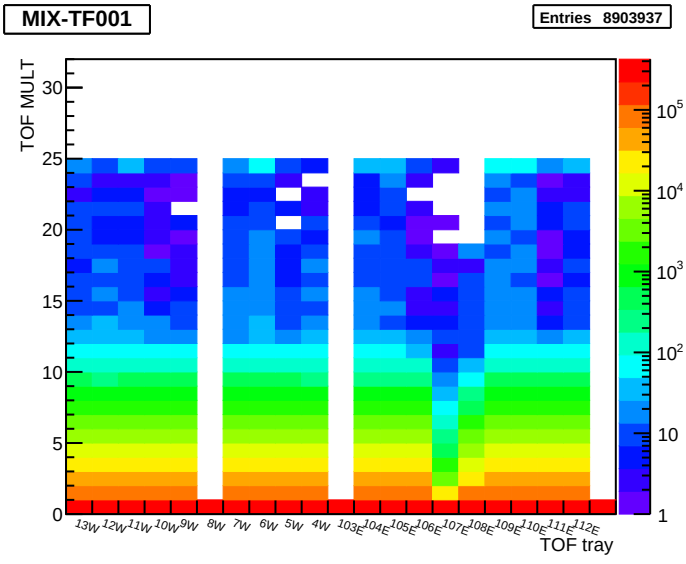

BunchId7Bit (ZDC-TAC)
Entries 874

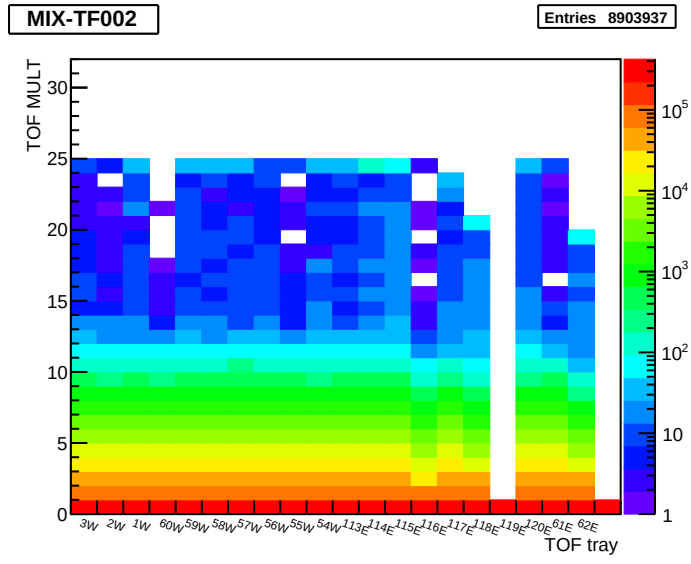

BunchId7Bit (EPD-TAC)
Entries 360955

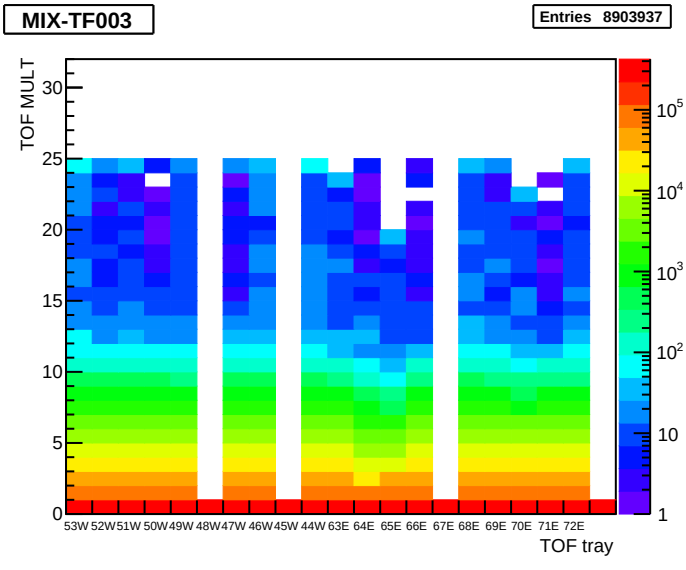

BunchId7Bit (BBC-TAC)
Entries 175538

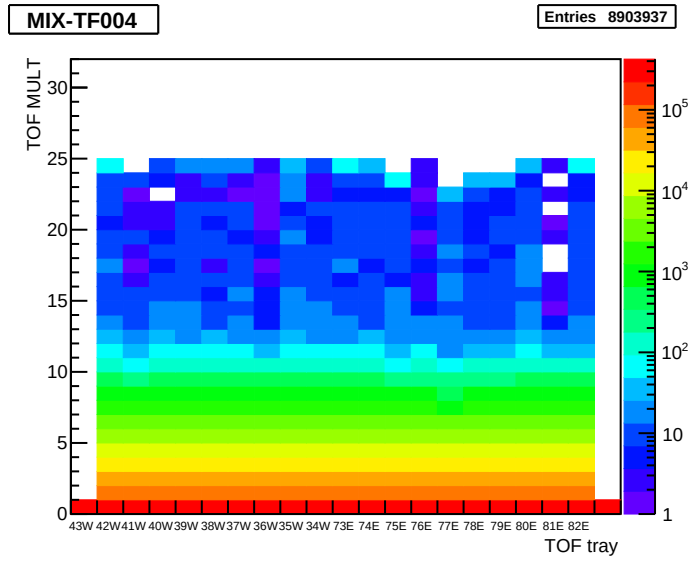

BunchId7Bit (Laser)
Entries 0

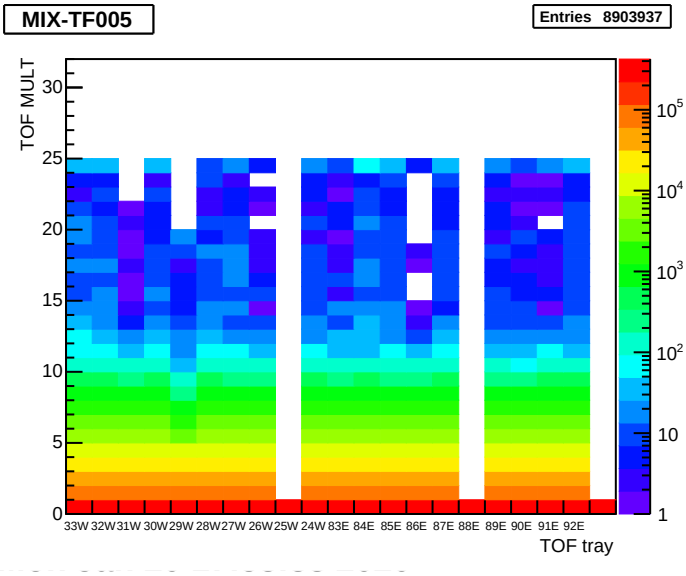

BunchId7Bit (TOFmult window)
Entries 13217

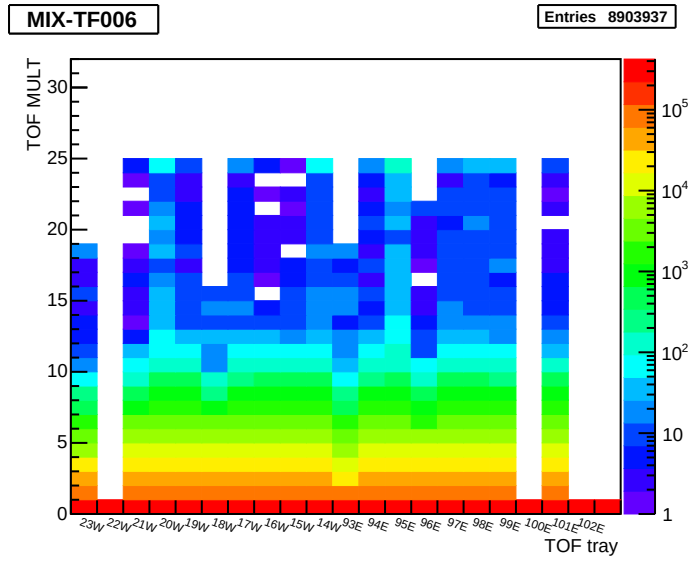

MIX-TF001
Entries 8903937
TOF MULT
TOF tray

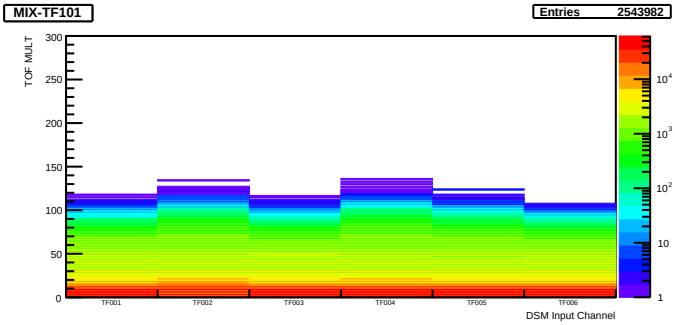

MIX-TF002
Entries 8903937
TOF MULT
TOF tray

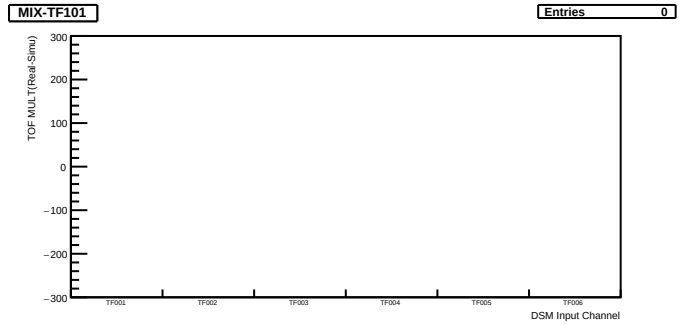

MIX-TF003
Entries 8903937
TOF MULT
TOF tray

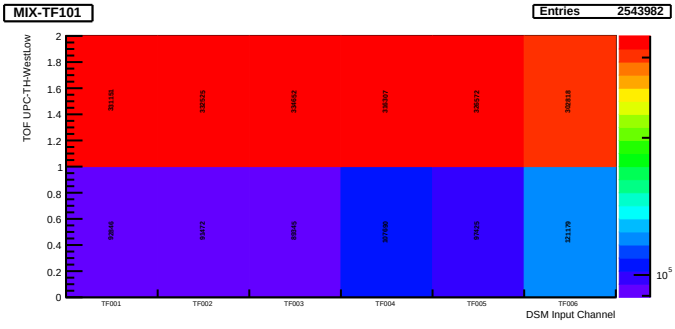

MIX-TF004
Entries 8903937
TOF MULT
TOF tray

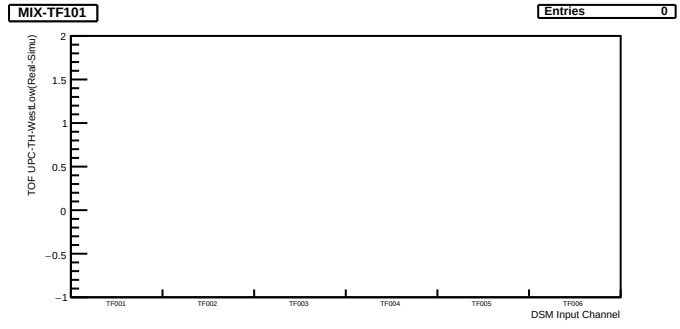

MIX-TF005
Entries 8903937
TOF MULT
TOF tray

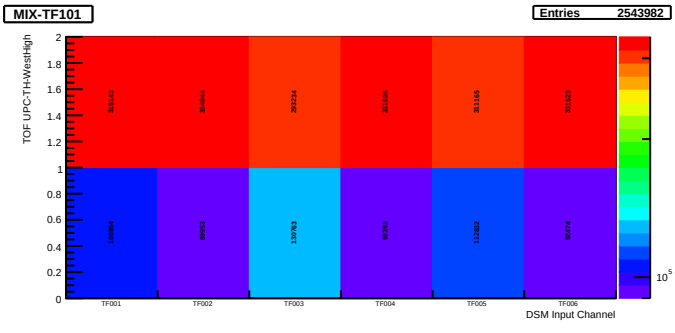

MIX-TF006
Entries 8903937
TOF MULT
TOF tray

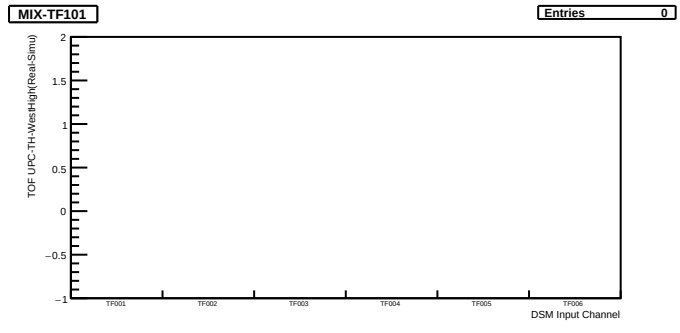

MIX-TF101
Entries 2543982
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

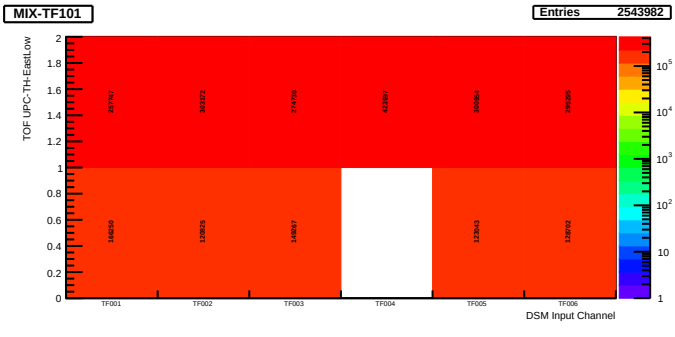

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

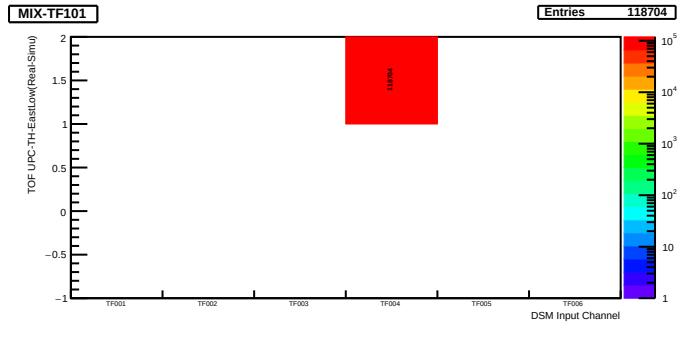

MIX-TF101
Entries 2543982
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

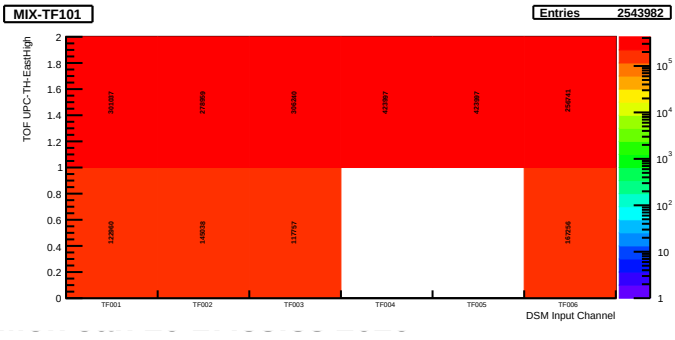

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

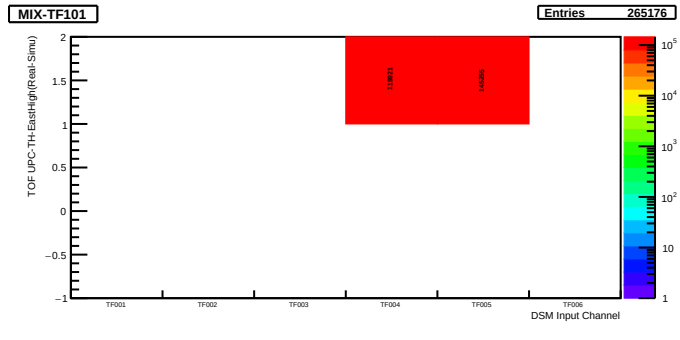

MIX-TF101
Entries 2543982
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

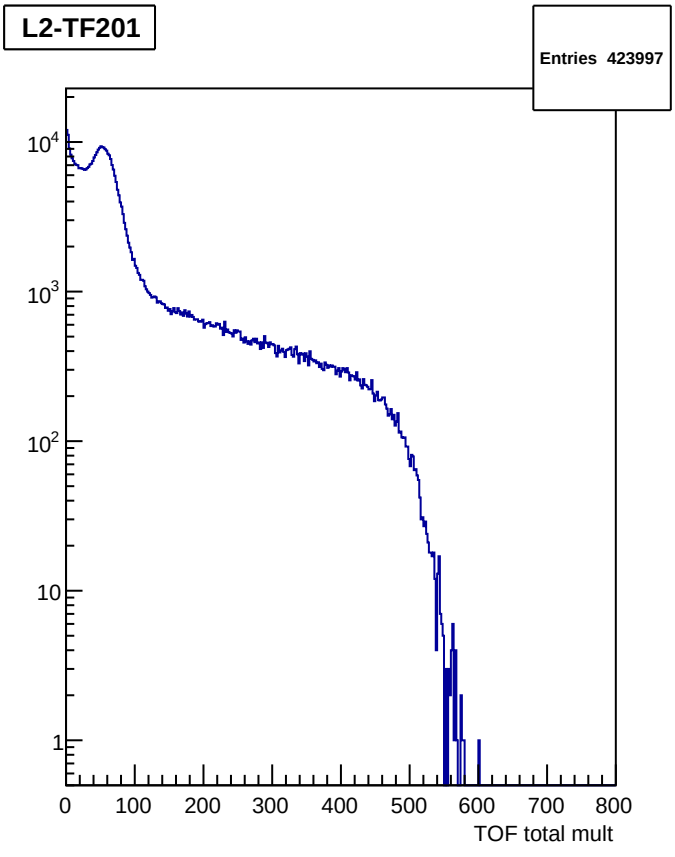

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

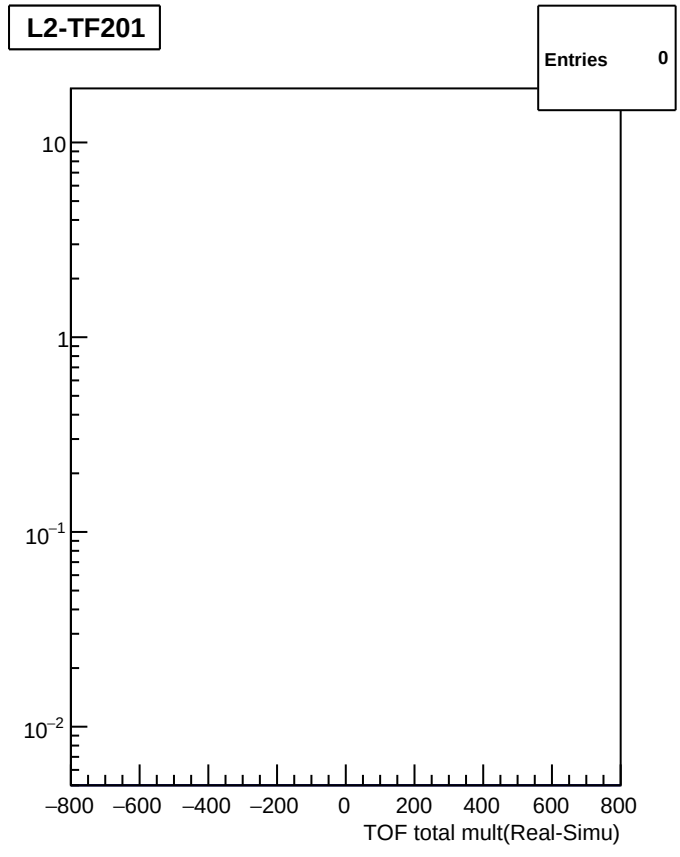

MIX-TF101
Entries 2543982
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

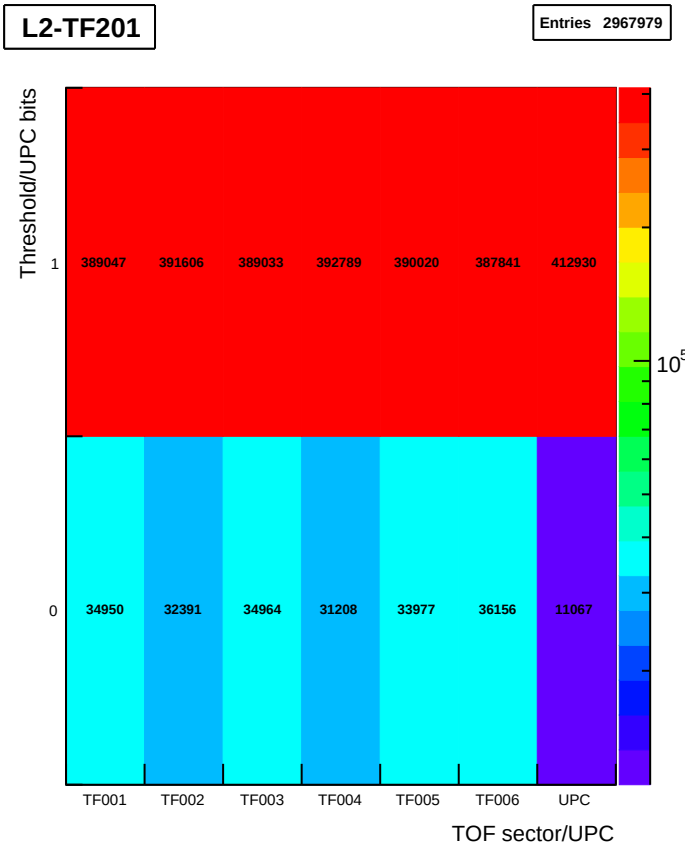

MIX-TF101
Entries 118704
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

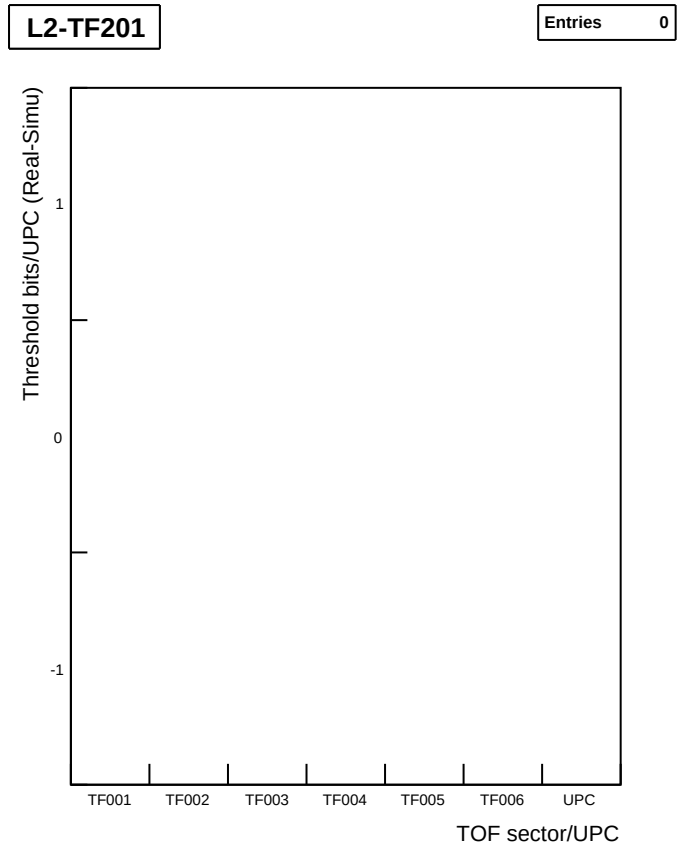

MIX-TF101
Entries 2543982
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

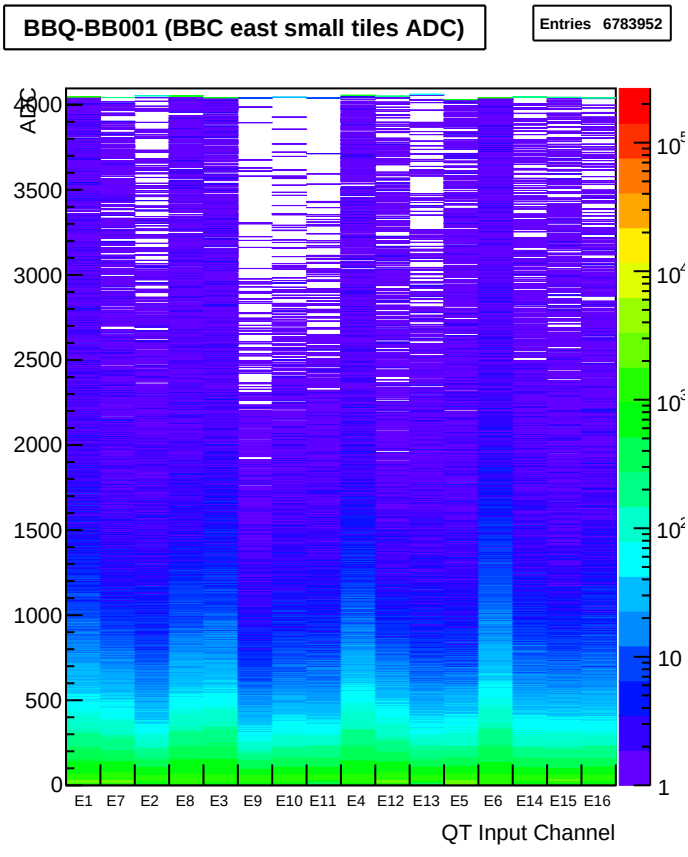

MIX-TF101
Entries 265176
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

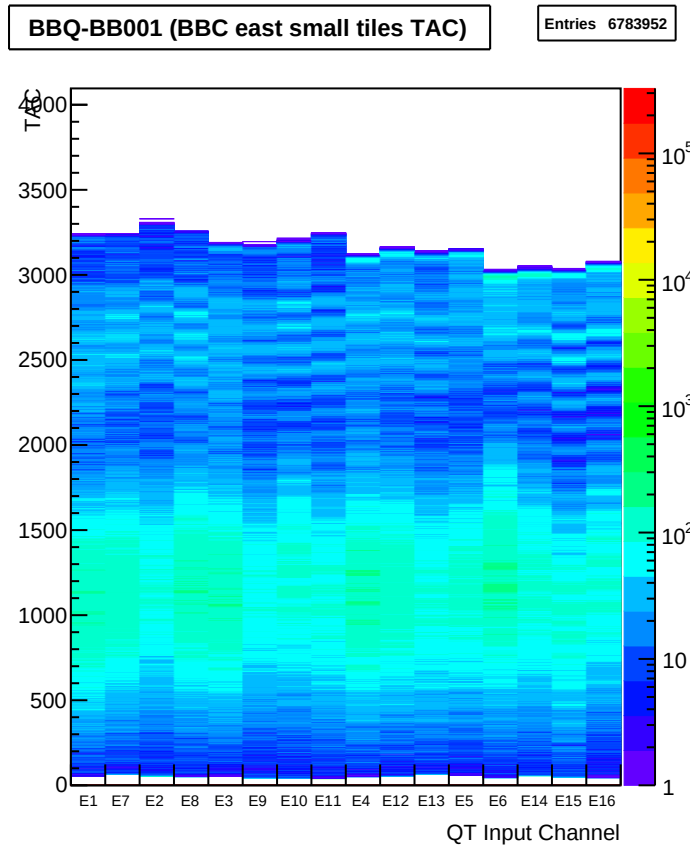

L2-TF201
Entries 423997
TOF total mult

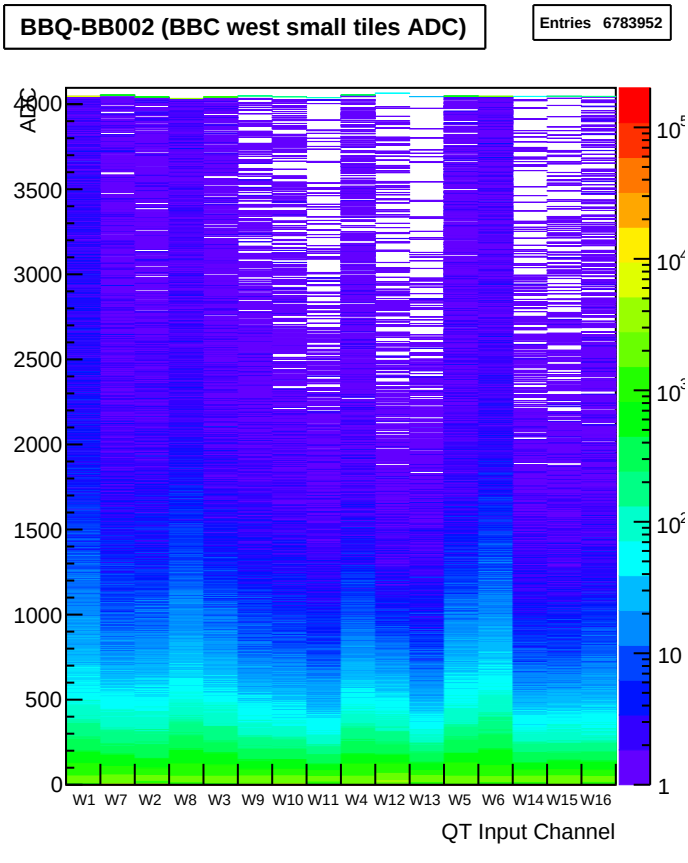

L2-TF201
Entries 0
TOF total mult(Real-Simu)

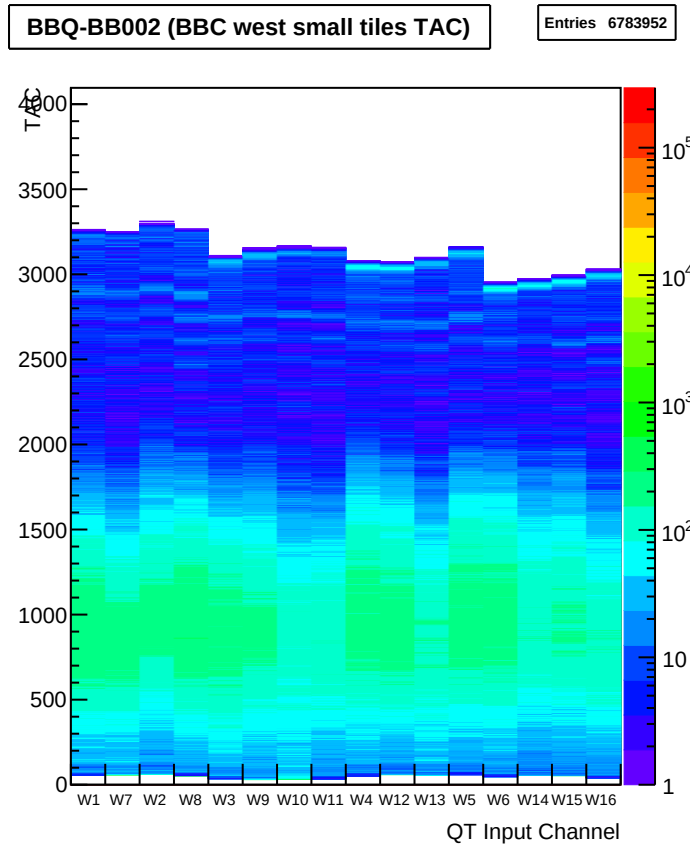

L2-TF201
Entries 2967979
Threshold/UPC bits
389047
391606
389033
392789
390020
387841
412930
34950
32391
34964
31208
33977
36156
11067
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

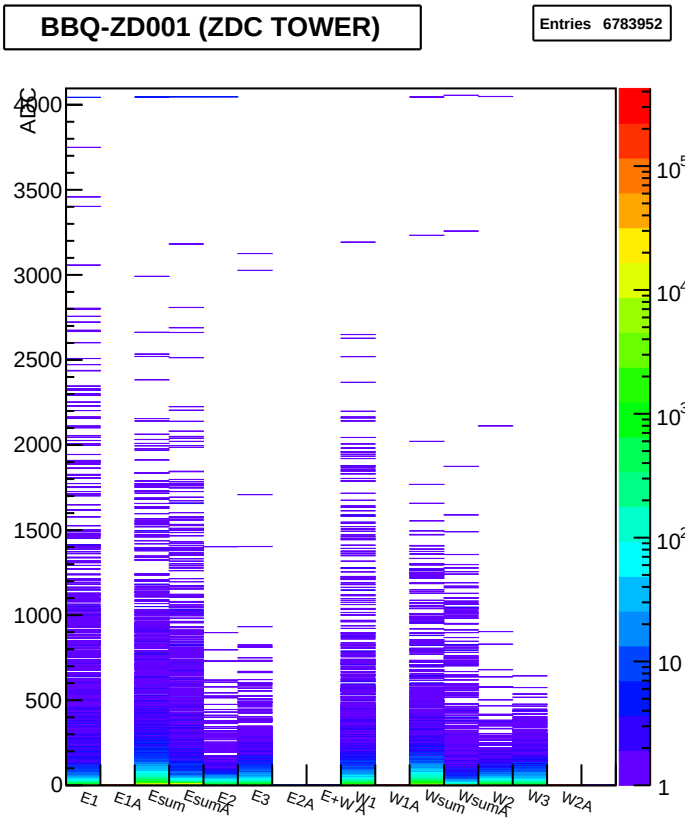

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

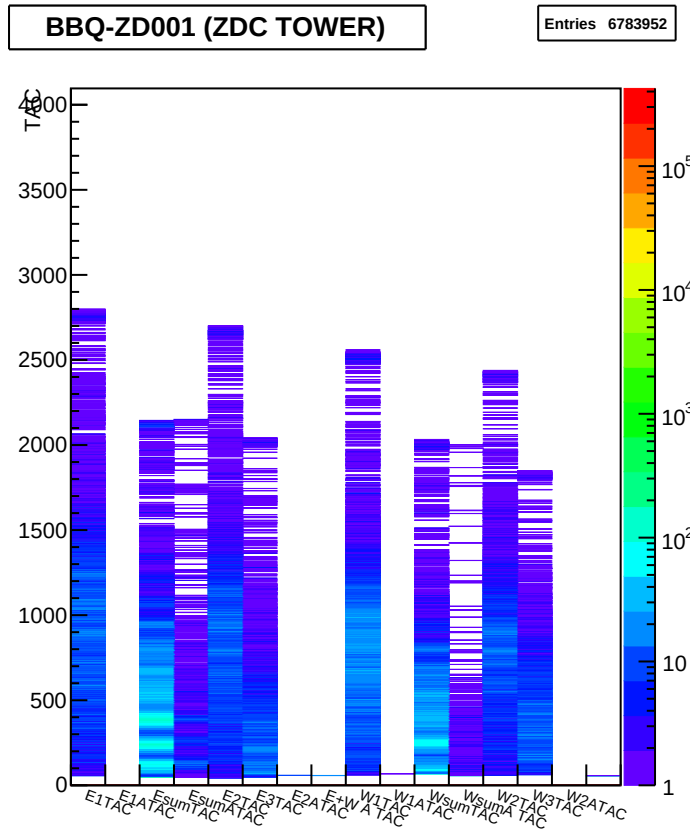

BBQ-BB001 (BBC east small tiles ADC)
Entries 6783952
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
$10^2$
$10^3$
$10^4$
$10^5$

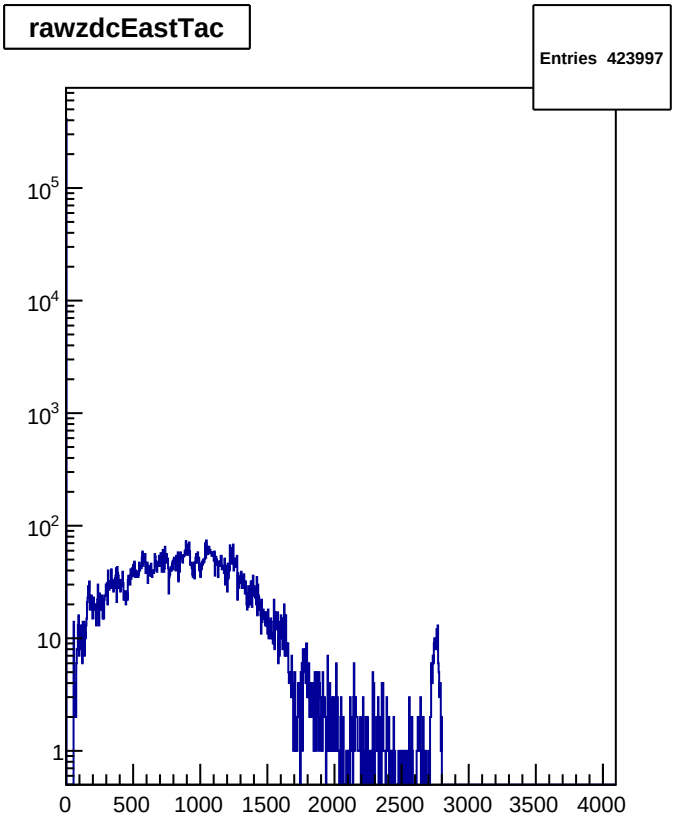

BBQ-BB001 (BBC east small tiles TAC)
Entries 6783952
TAC
0
500
1000
1500
2000
2500
3000
3500
4000
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
$10^2$
$10^3$
$10^4$
$10^5$

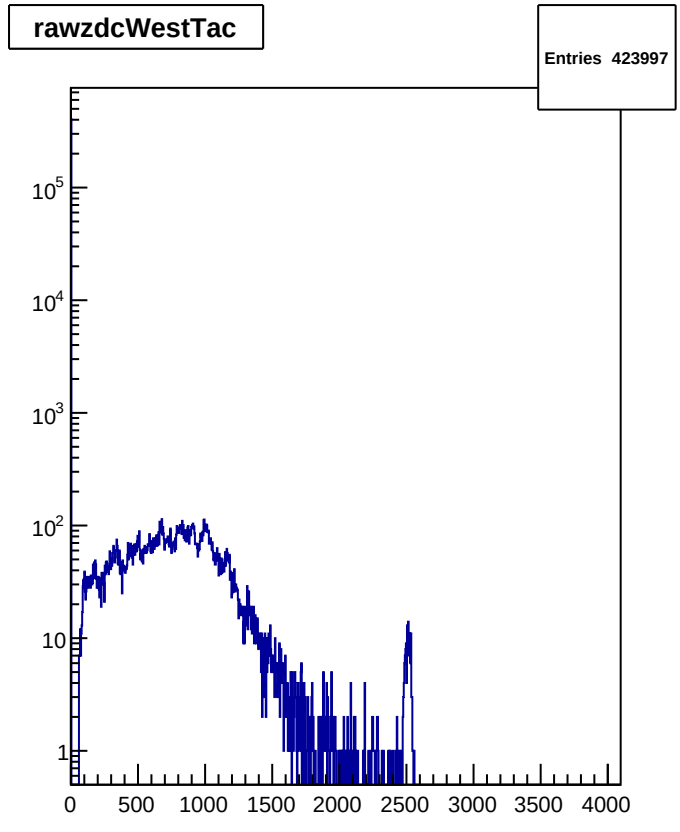

BBQ-BB002 (BBC west small tiles ADC)
Entries 6783952
ADC
0
500
1000
1500
2000
2500
3000
3500
4000
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
$10^2$
$10^3$
$10^4$
$10^5$

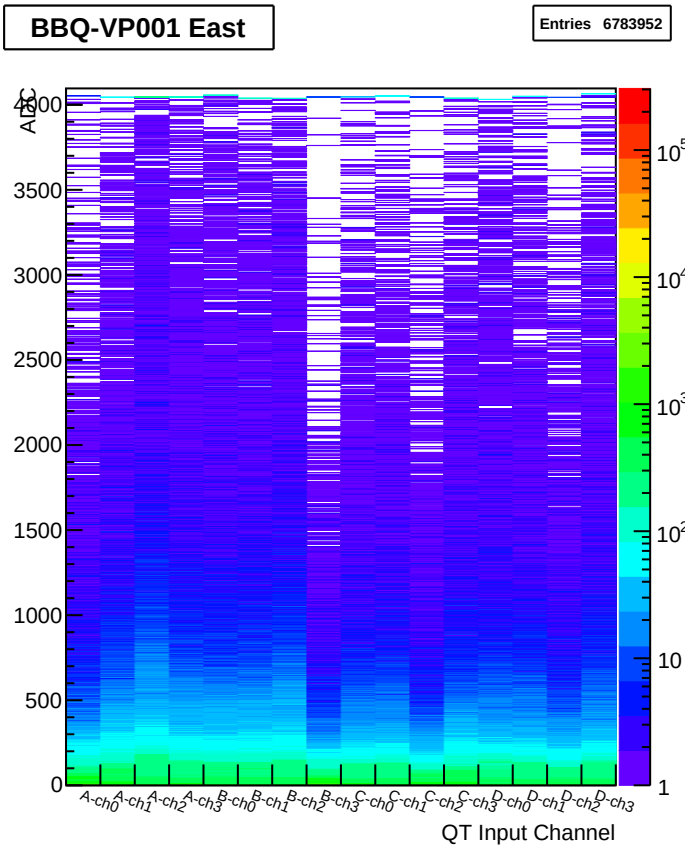

BBQ-BB002 (BBC west small tiles TAC)
Entries 6783952
TAC
0
500
1000
1500
2000
2500
3000
3500
4000
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
$10^2$
$10^3$
$10^4$
$10^5$

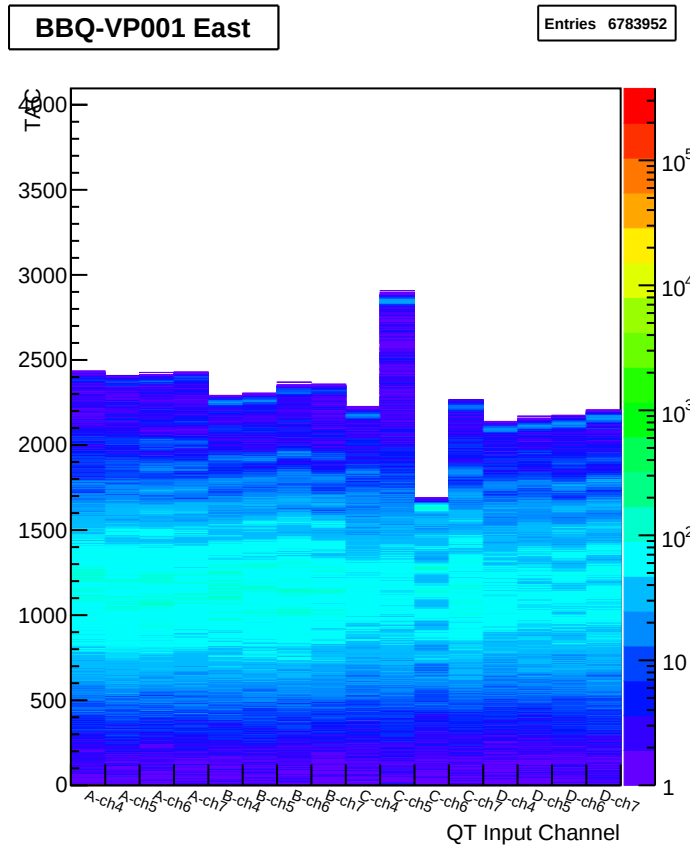

BBQ-ZD001 (ZDC TOWER)
Entries 6783952
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

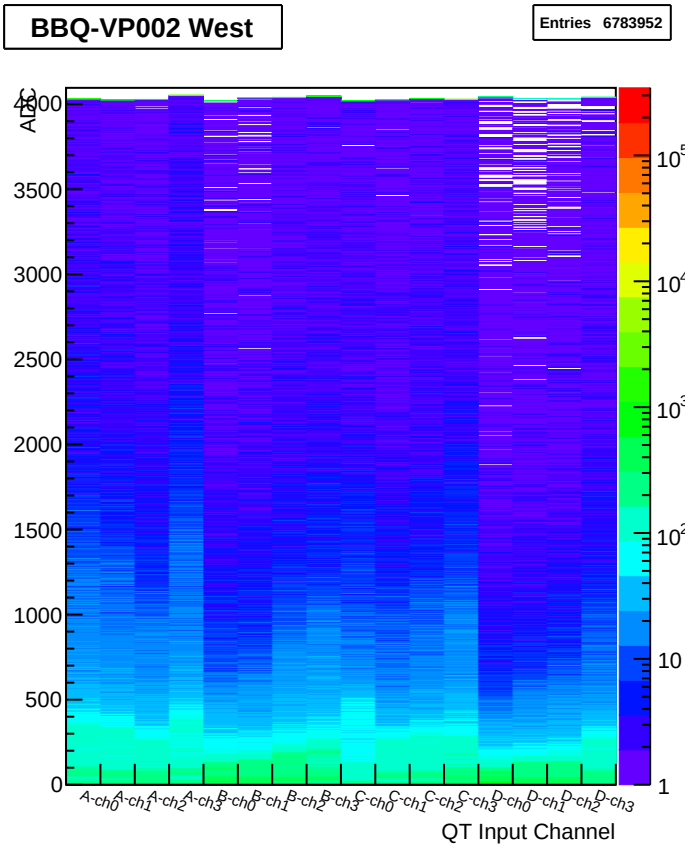

BBQ-ZD001 (ZDC TOWER)
Entries 6783952
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

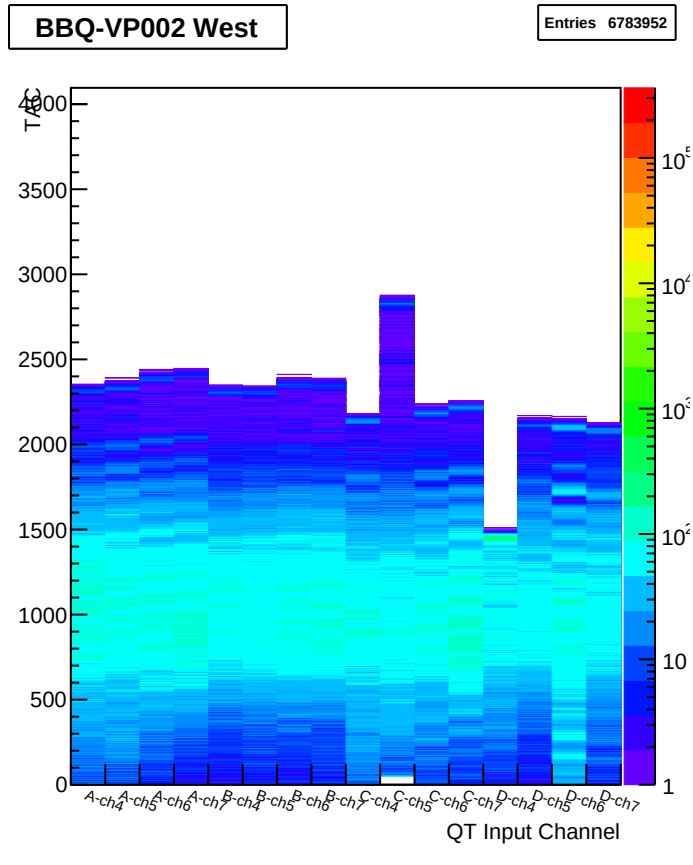

rawzdcEastTac
Entries 423997

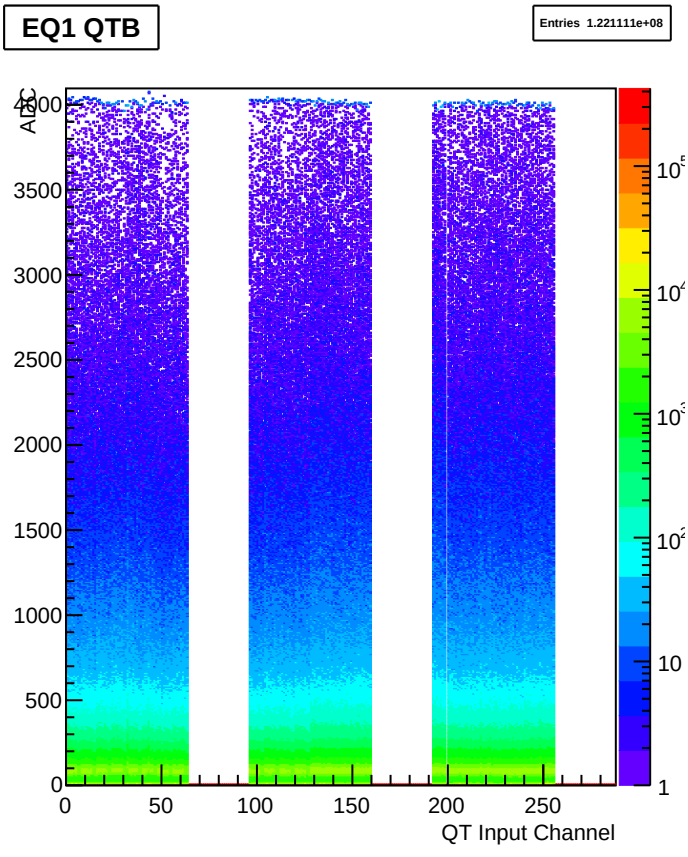

rawzdcWestTac
Entries 423997

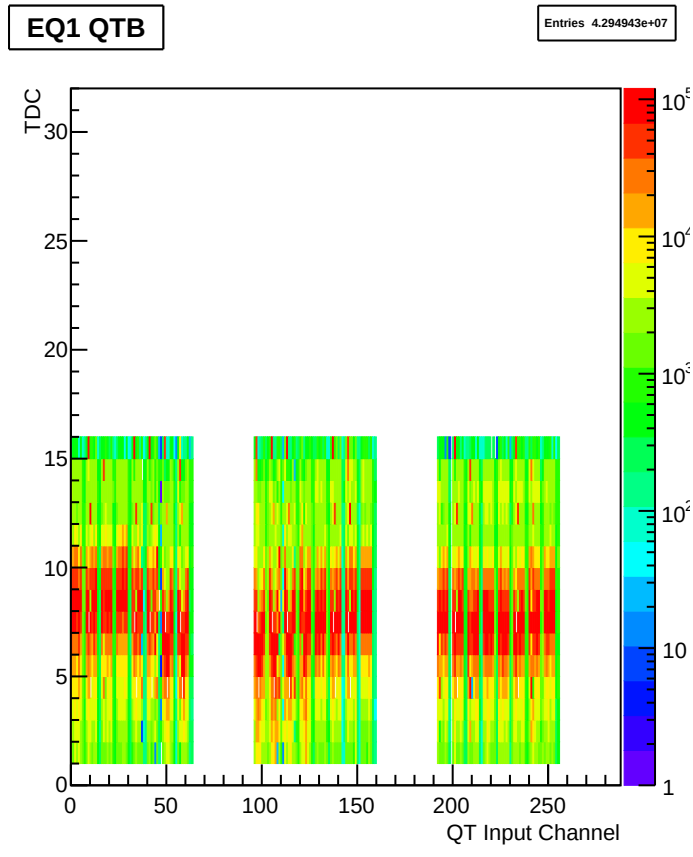

BBQ-VP001 East
Entries 6783952
ADC
QT Input Channel

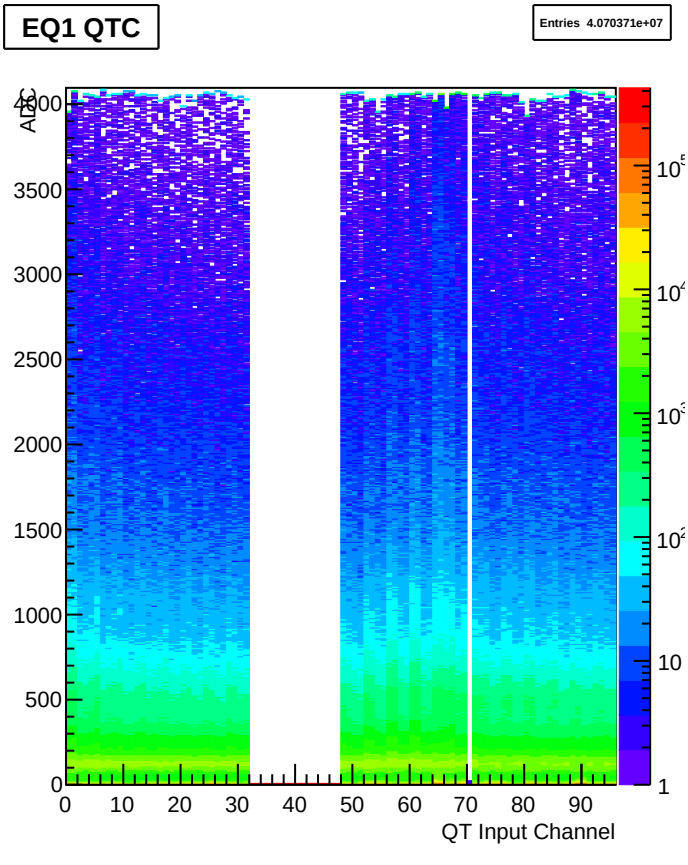

BBQ-VP001 East
Entries 6783952
ADC
QT Input Channel

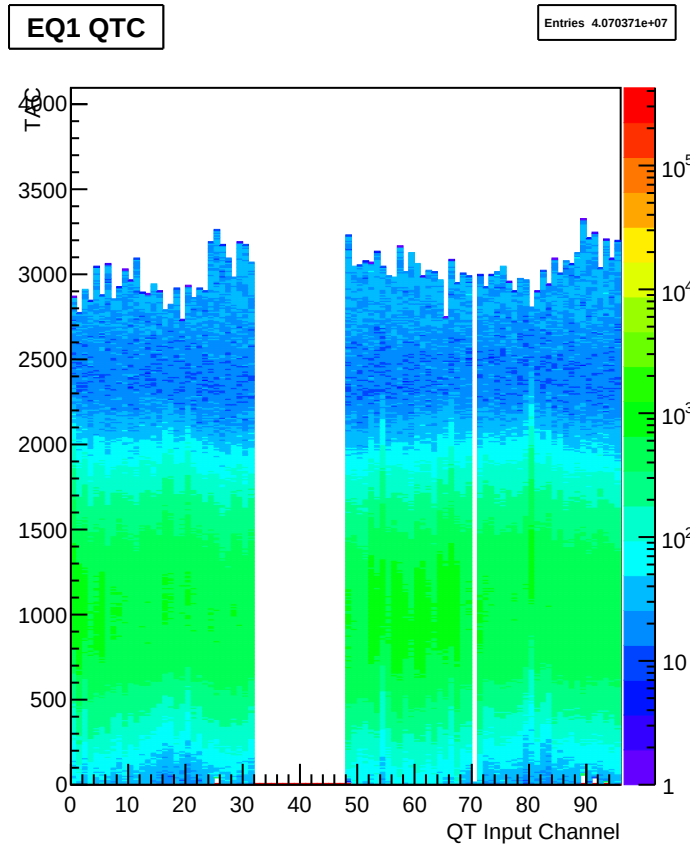

BBQ-VP002 West
Entries 6783952
ADC
QT Input Channel

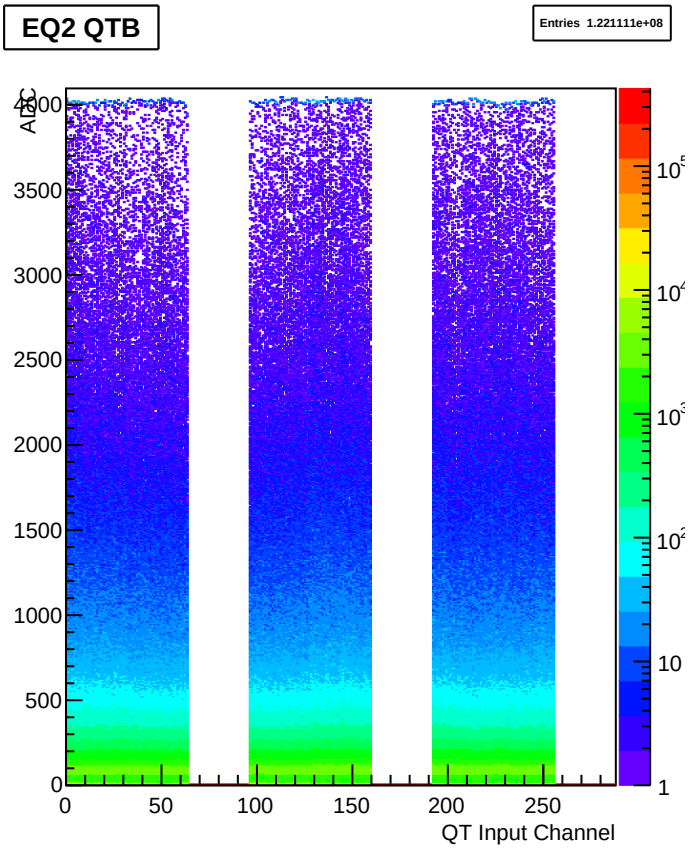

BBQ-VP002 West
Entries 6783952
ADC
QT Input Channel

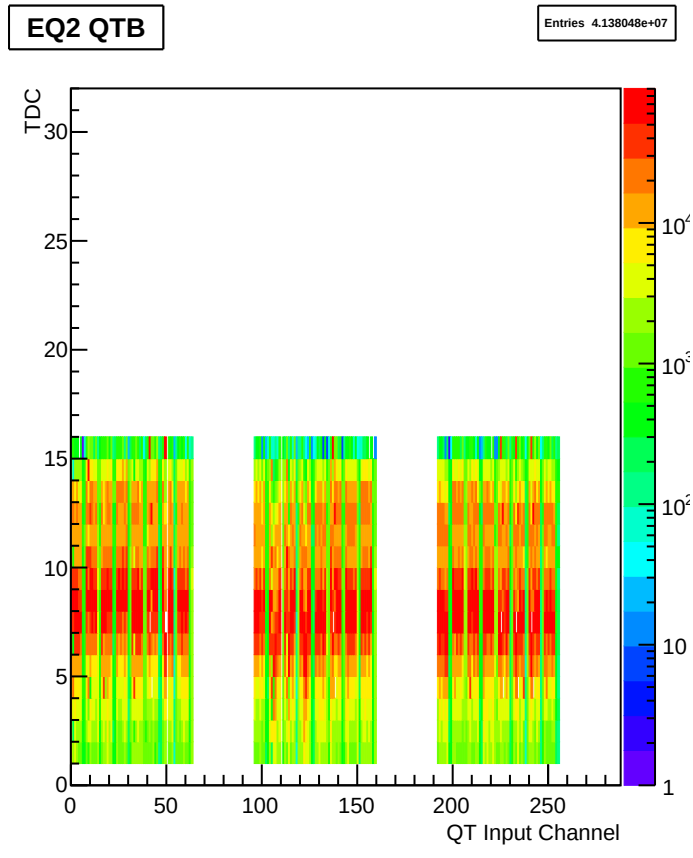

EQ1 QTB
Entries 1.221111e+08
ADC
QT Input Channel

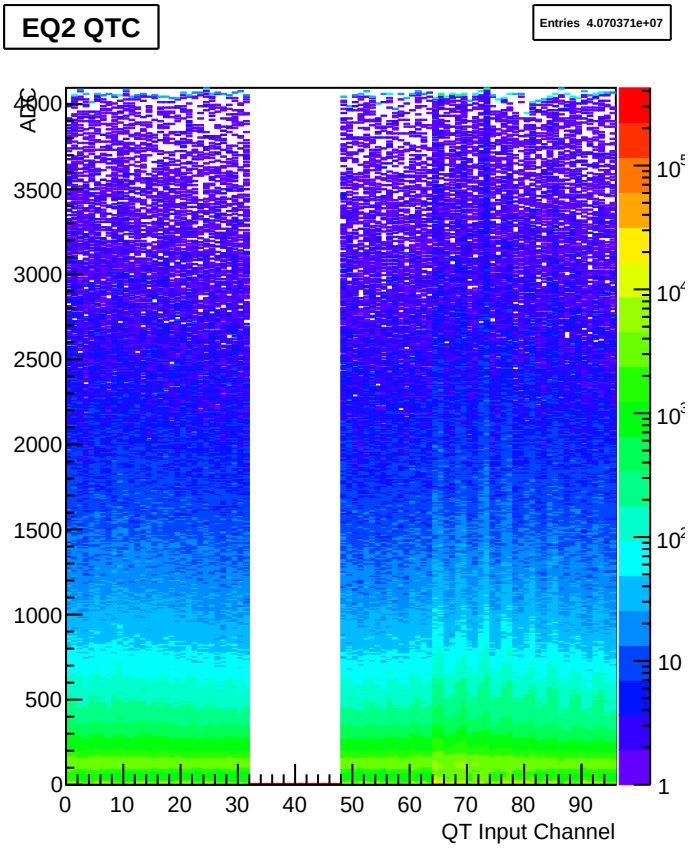

EQ1 QTB
Entries 4.294943e+07
TDC
QT Input Channel

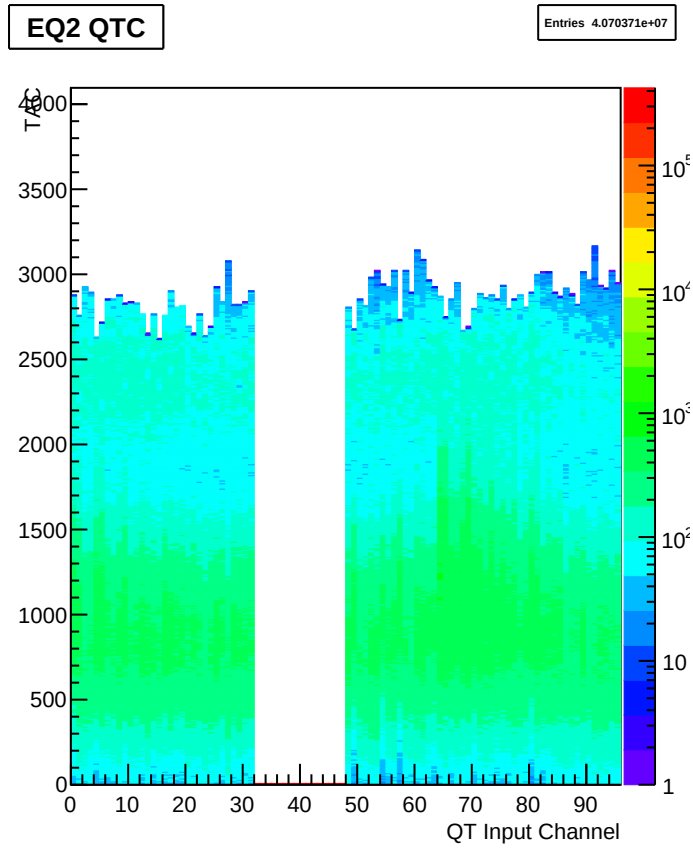

EQ1 QTC
Entries 4.070371e+07
ADC
QT Input Channel

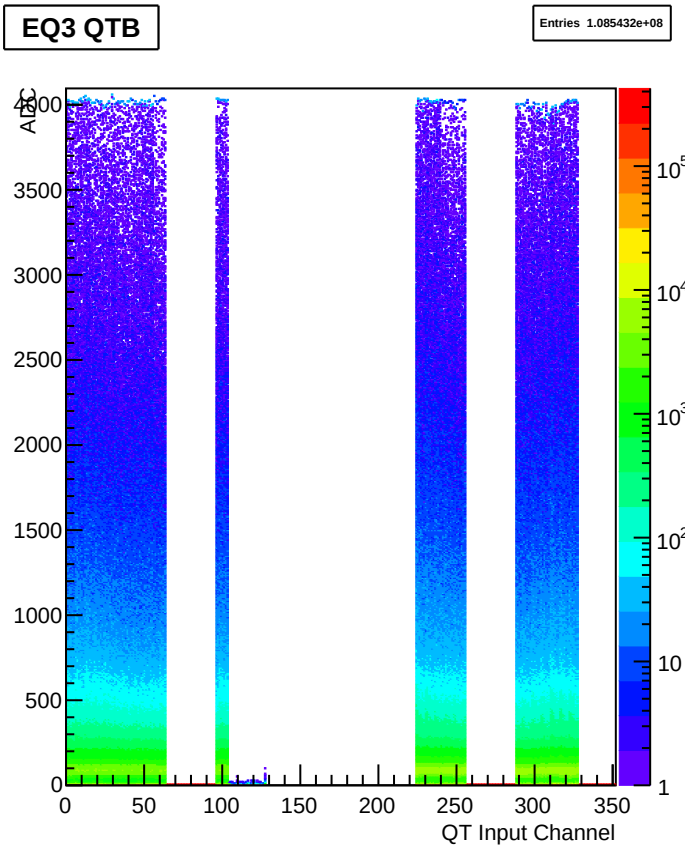

EQ1 QTC
Entries 4.070371e+07
TADC
QT Input Channel

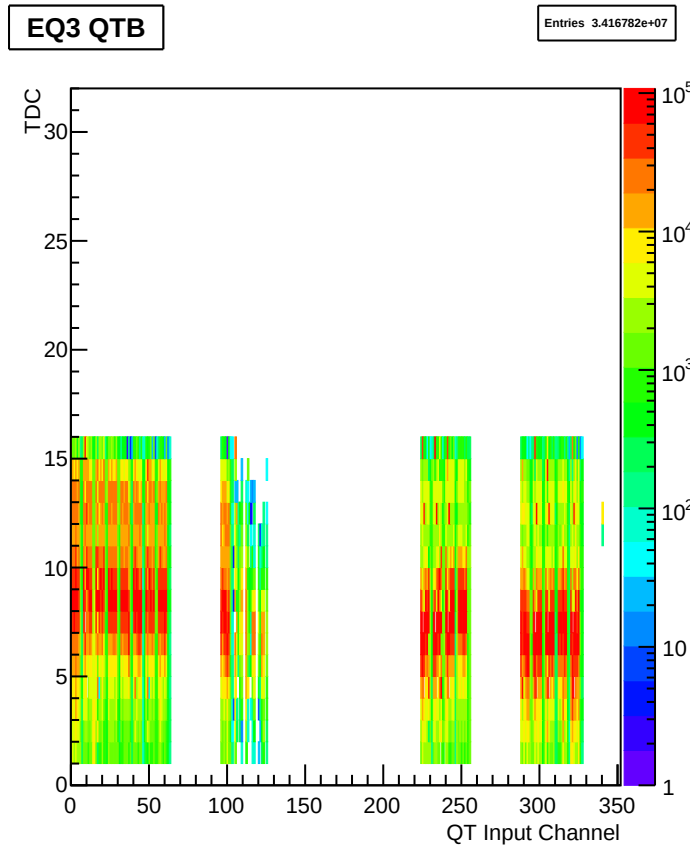

EQ2 QTB
Entries 1.221111e+08
ADC
QT Input Channel

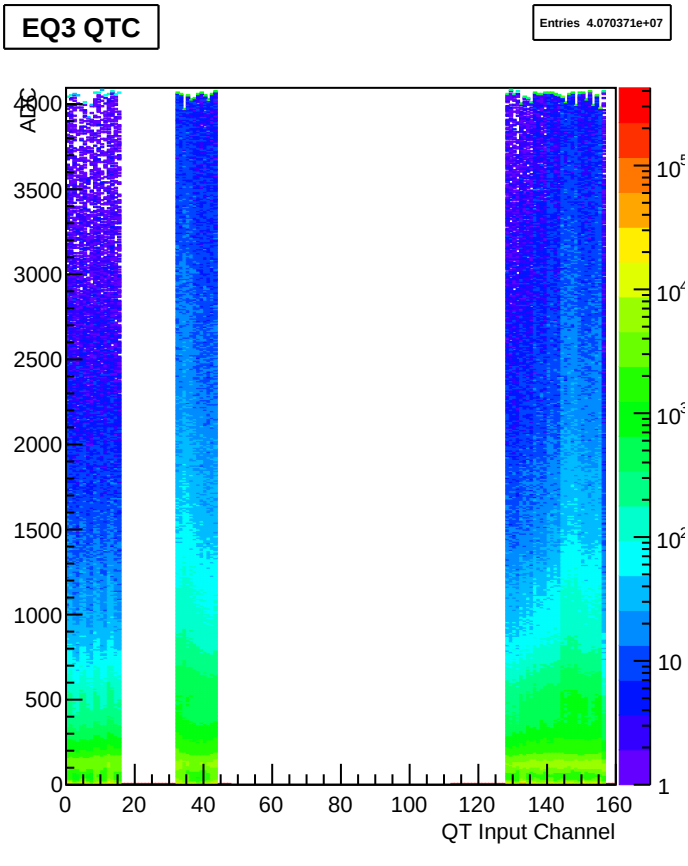

EQ2 QTB
Entries 4.138048e+07
TDC
QT Input Channel

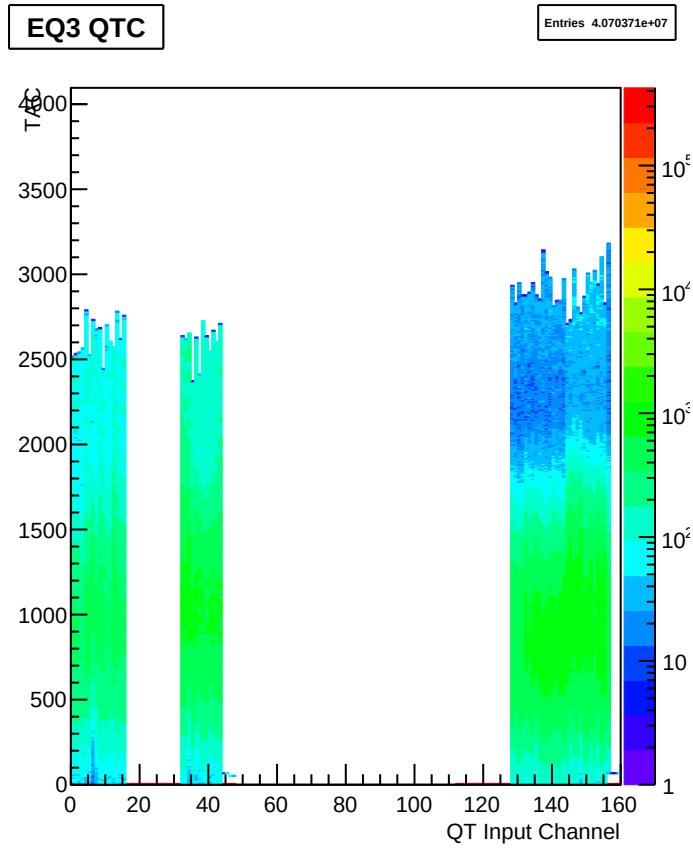

EQ2 QTC
Entries 4.070371e+07
ADC
QT Input Channel

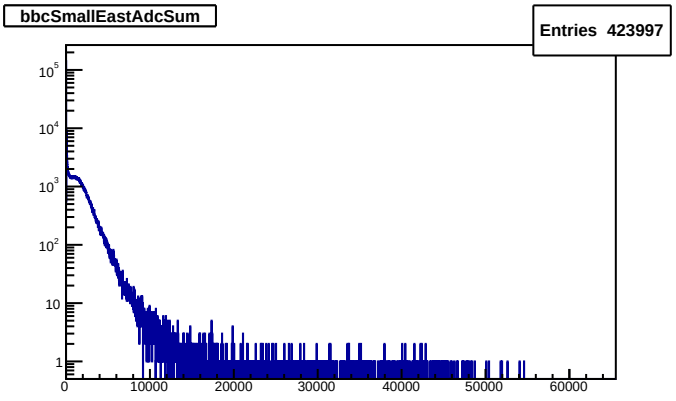

EQ2 QTC
Entries 4.070371e+07
TADC
QT Input Channel

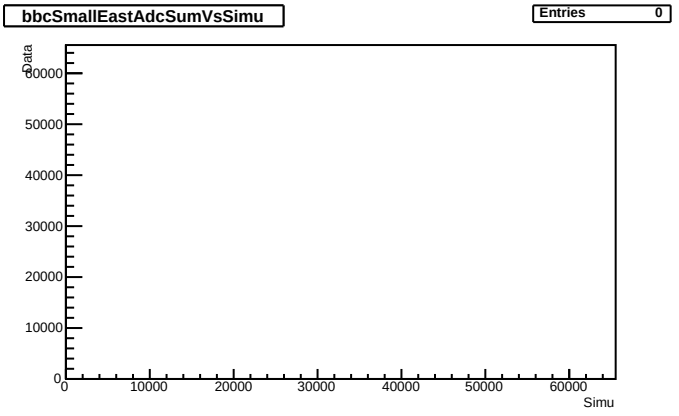

EQ3 QTB
Entries 1.085432e+08
ADC
QT Input Channel

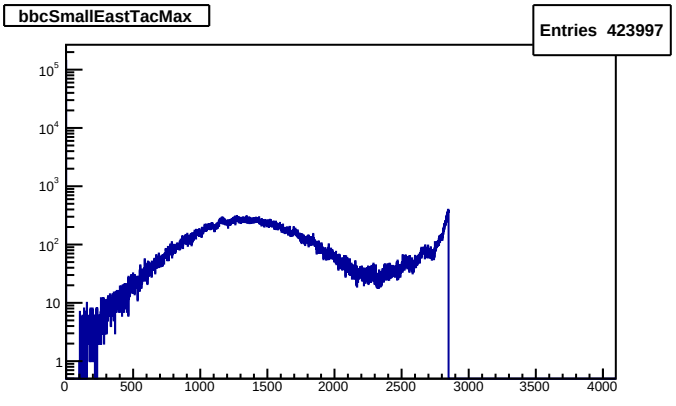

EQ3 QTB
Entries 3.416782e+07
TDC
QT Input Channel

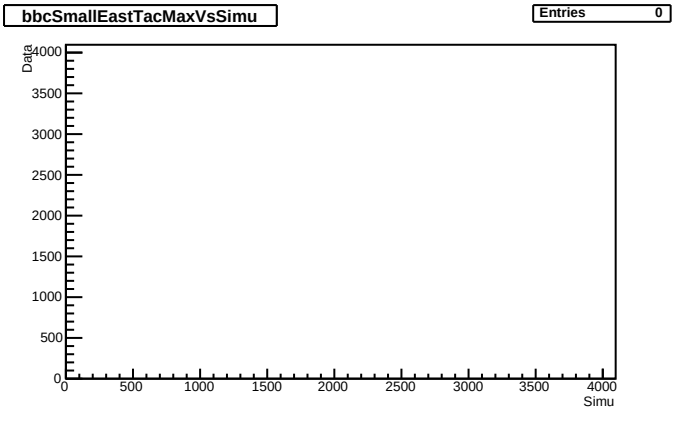

EQ3 QTC
Entries 4.070371e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.070371e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 423997


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 423997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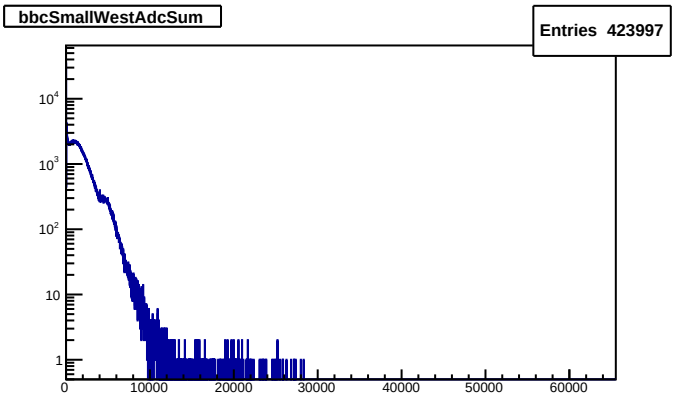
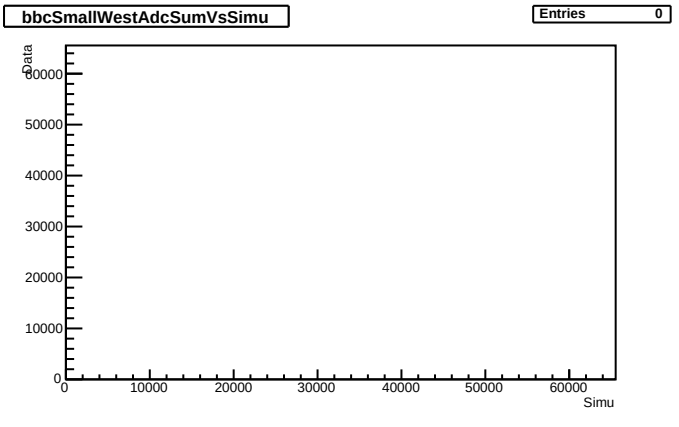
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 423997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Entries 0
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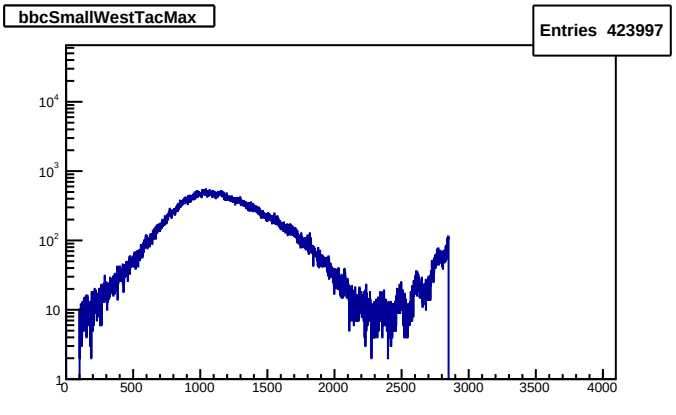
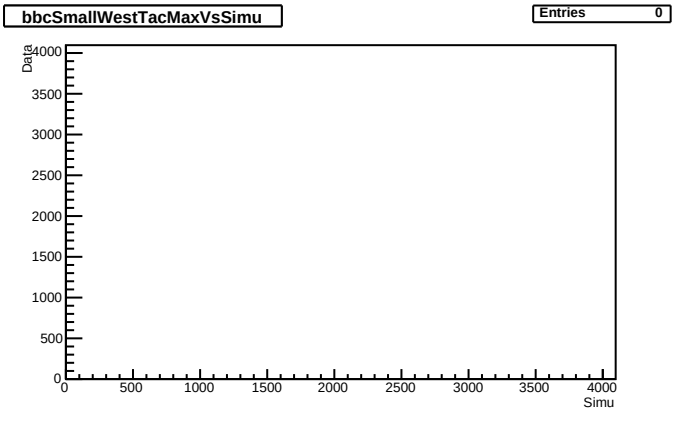
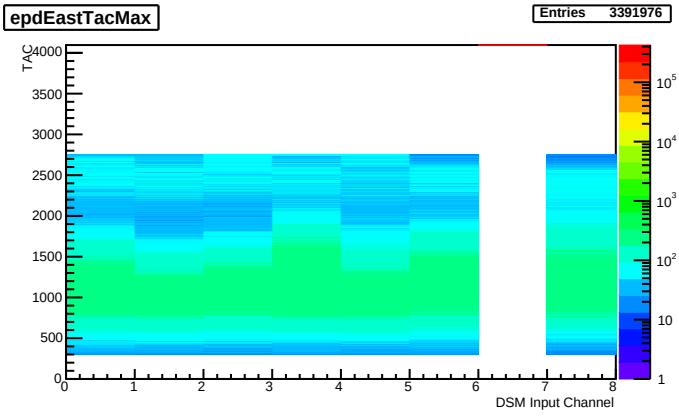
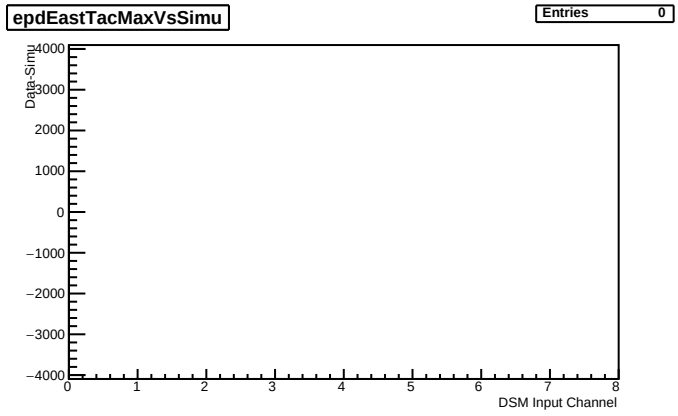
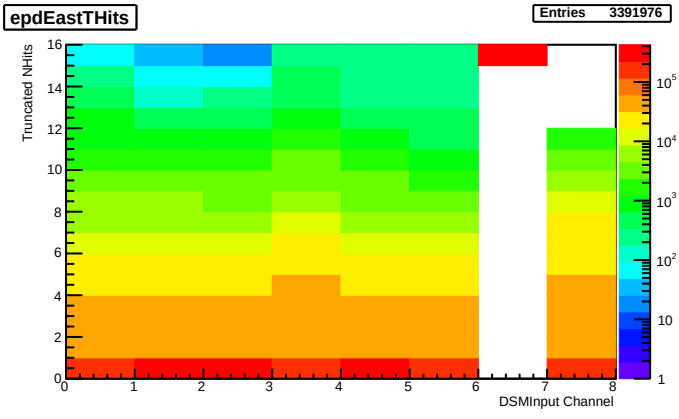
Simu

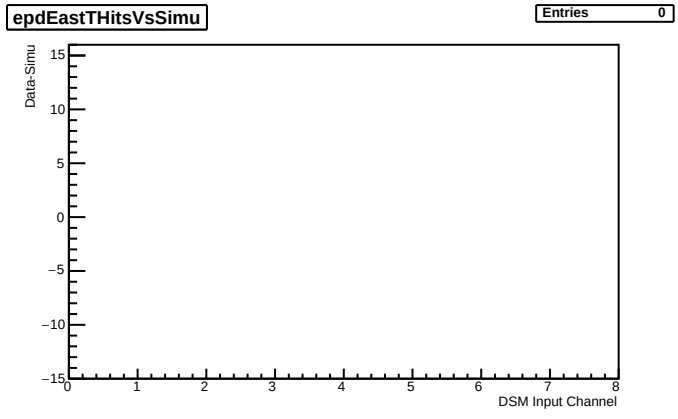

bbcSmallWestTacMax
Entries 423997


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3391976
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3391976
Truncated NHits
DSMInput Channel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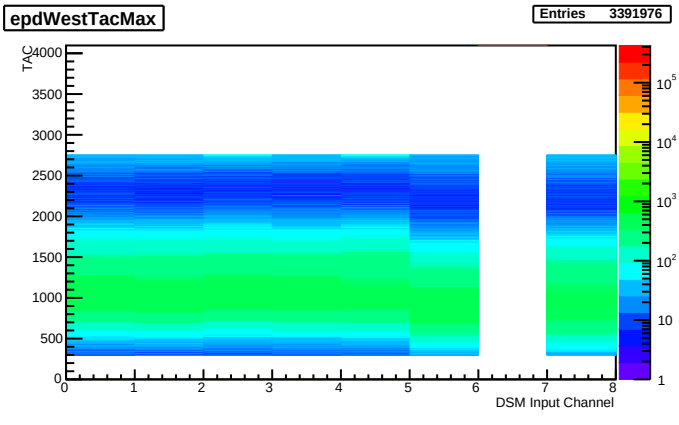
Data-Simu
DSM Input Channel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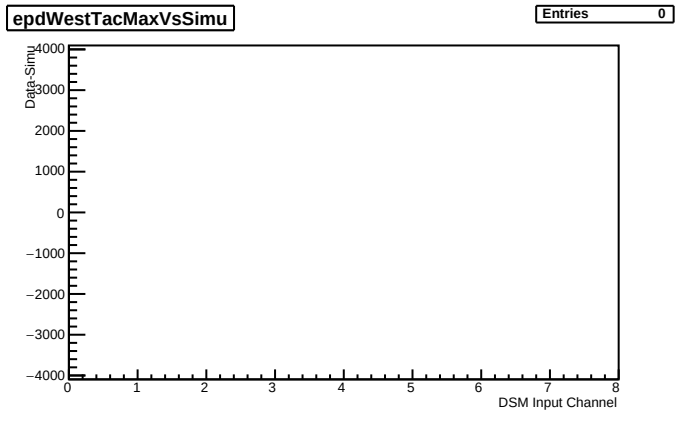
TAC
DSM Input Channel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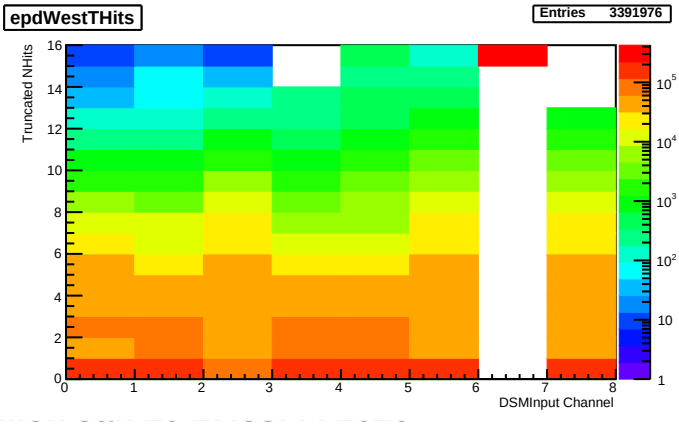
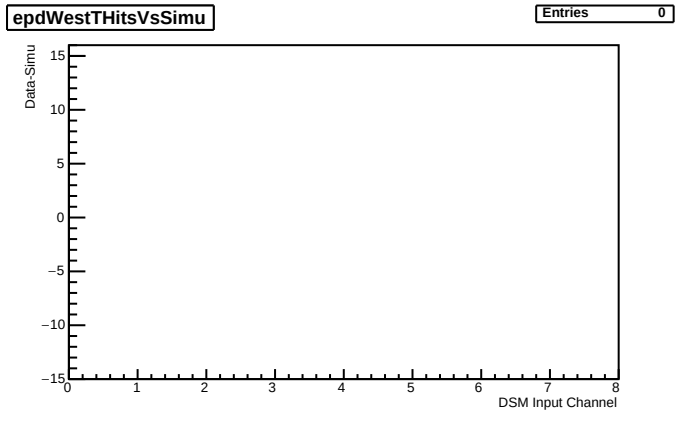
DSM Input Channel


epdWestTHits
Entries 3391976
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
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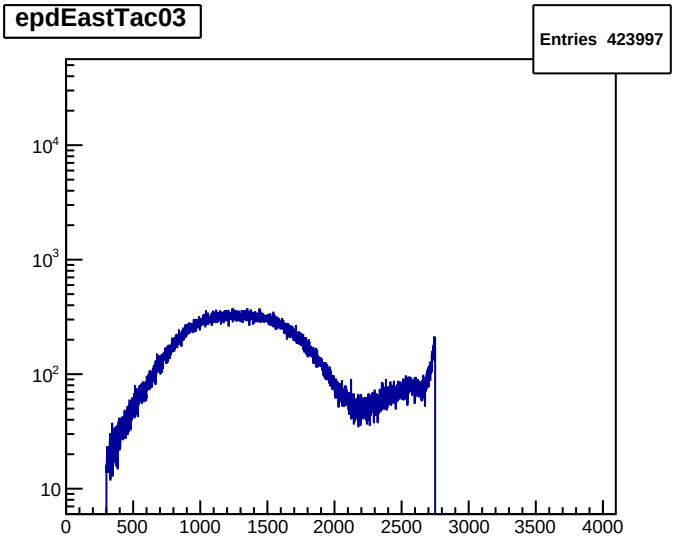
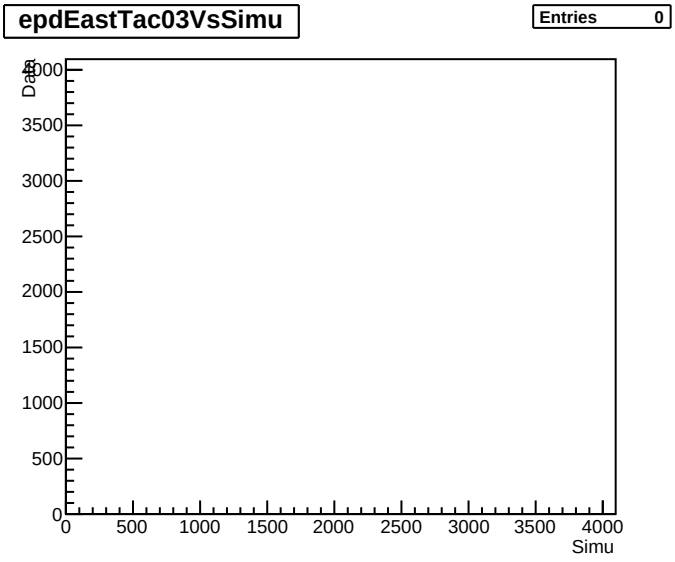
DSM Input Channel


epdEastTac03
Entries 423997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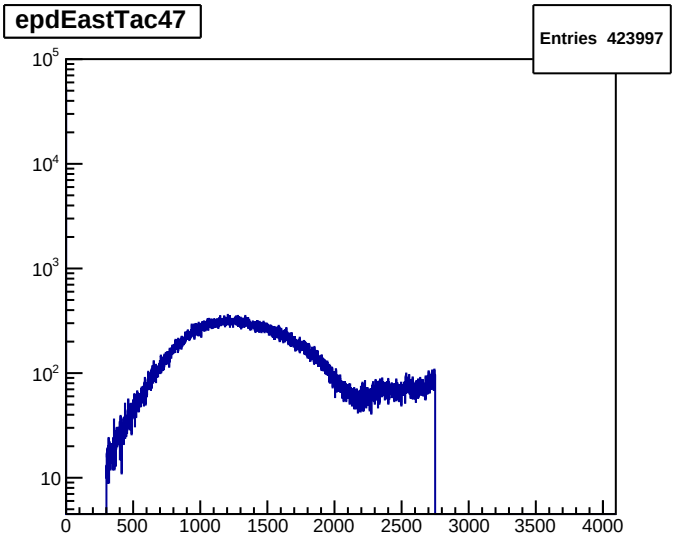
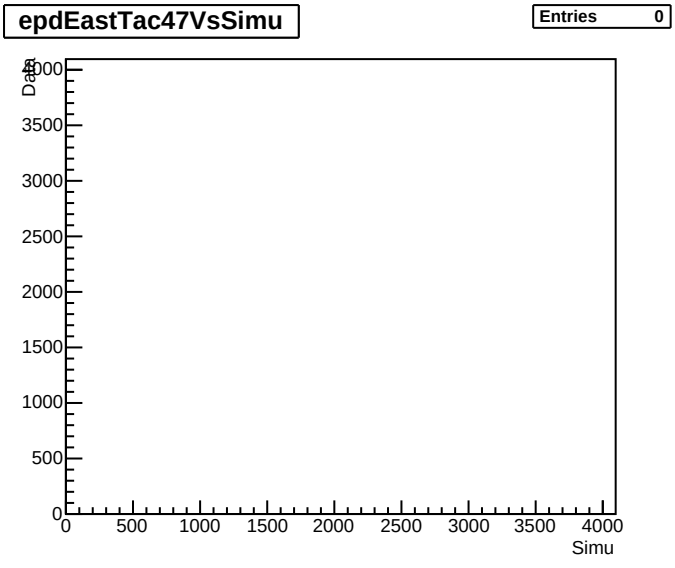
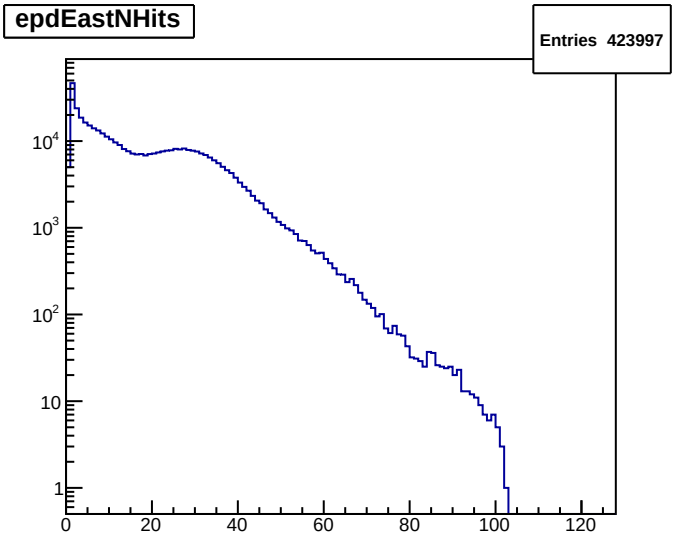
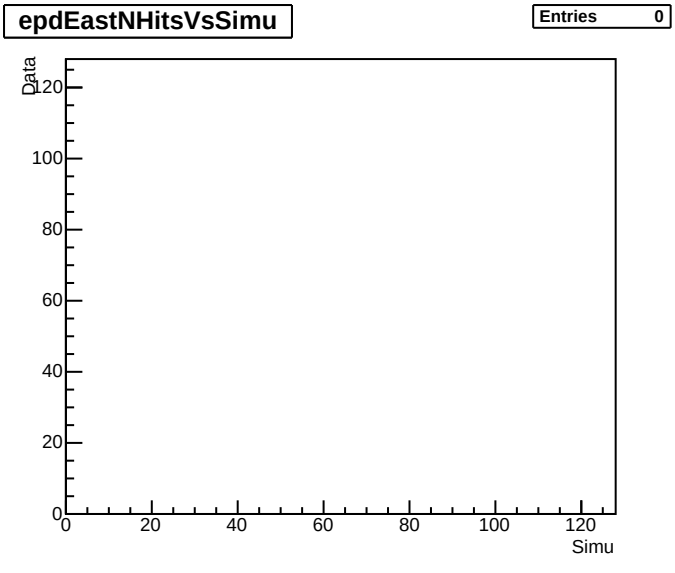
Entries 0
Data
Simu


epdEastTac47
Entries 423997


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 423997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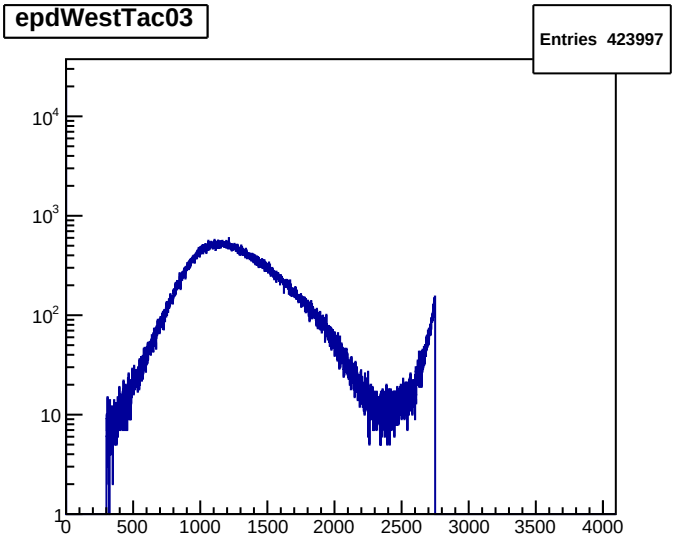
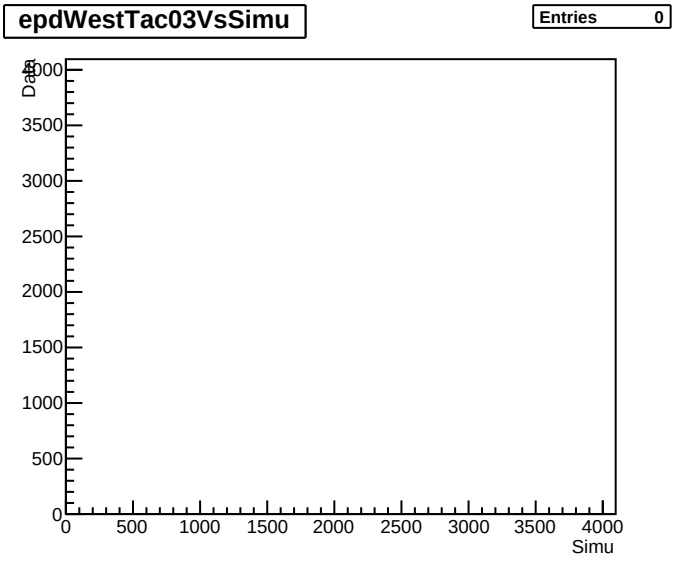
Entries 0
Data
Simu


epdWestTac03
Entries 423997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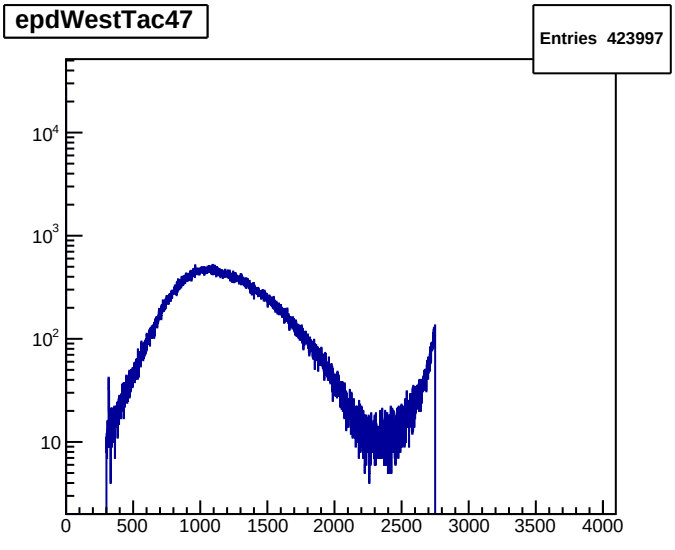
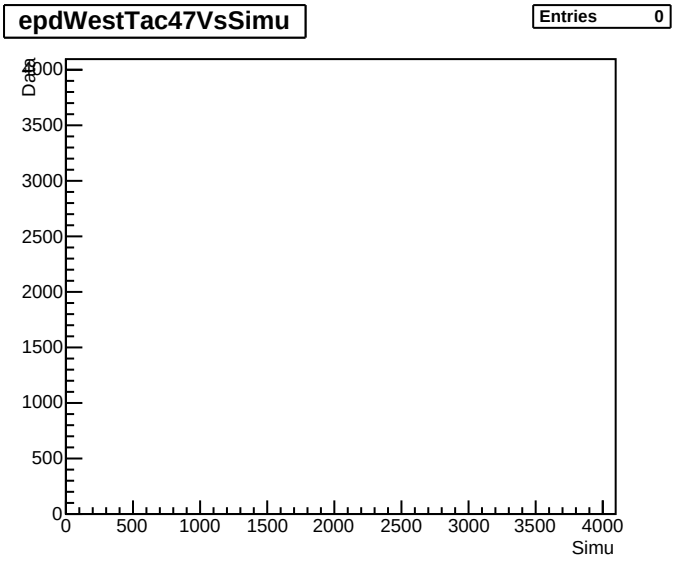
Entries 0
Data
Simu


epdWestTac47
Entries 423997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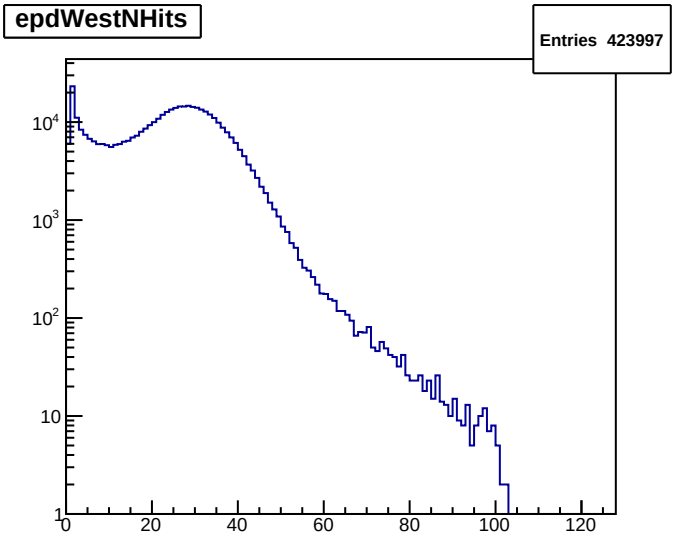
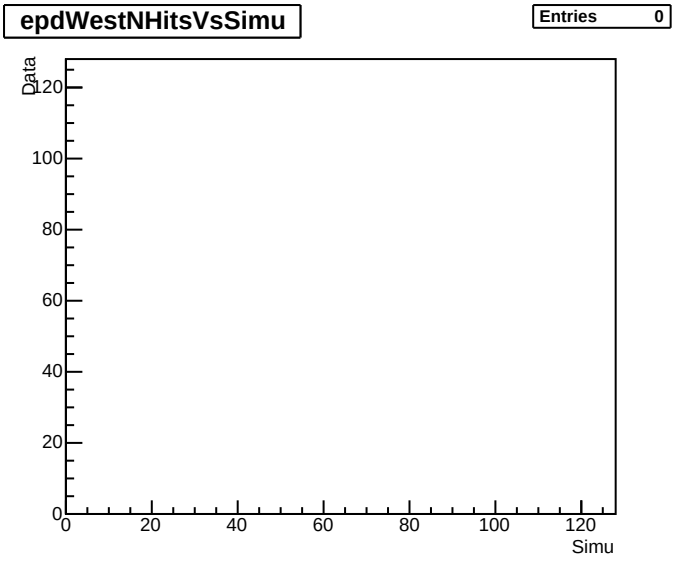
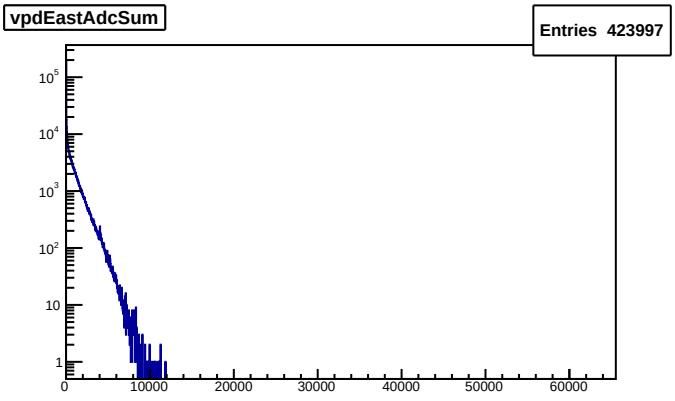
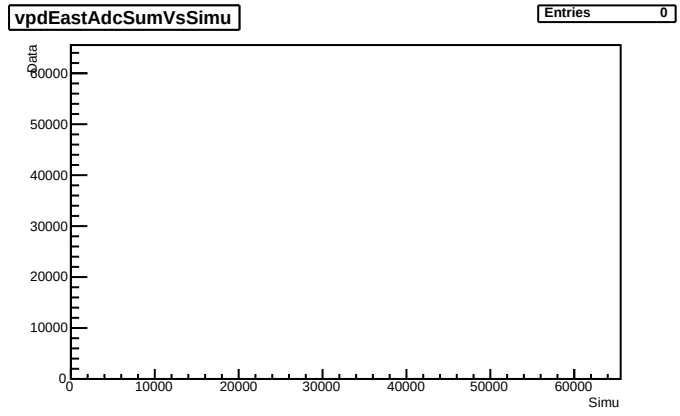
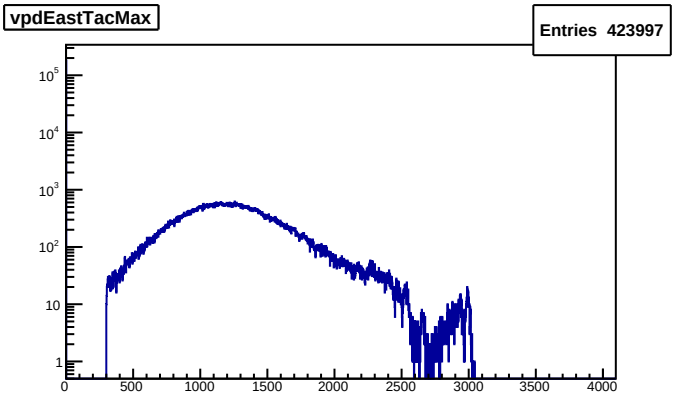
Entries 0
Data
Simu

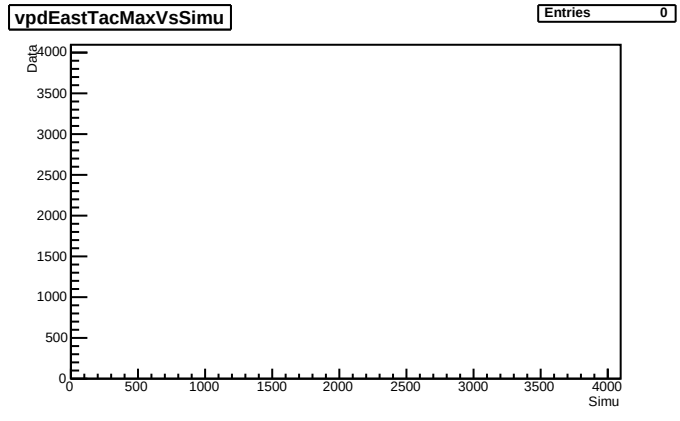

epdWestNHits
Entries 423997

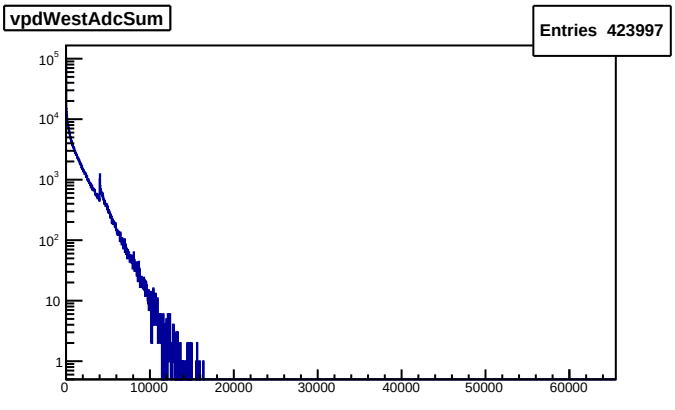

epdWestNHitsVsSimu
Entries 0
Data
Simu

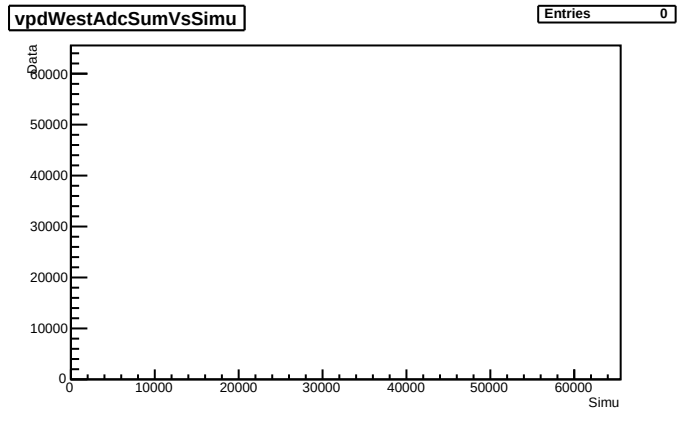

vpdEastAdcSum
Entries 423997

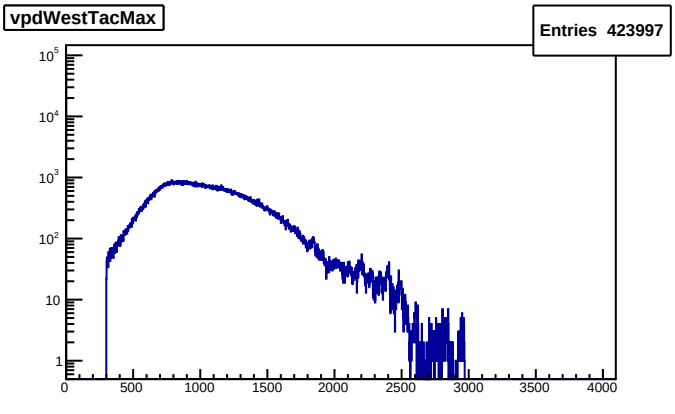

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

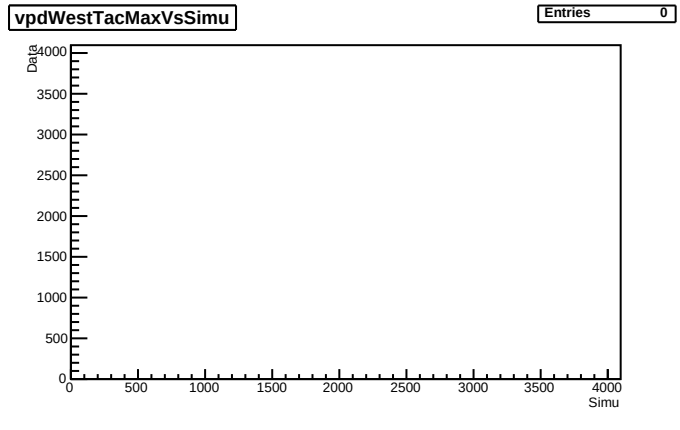

vpdEastTacMax
Entries 423997

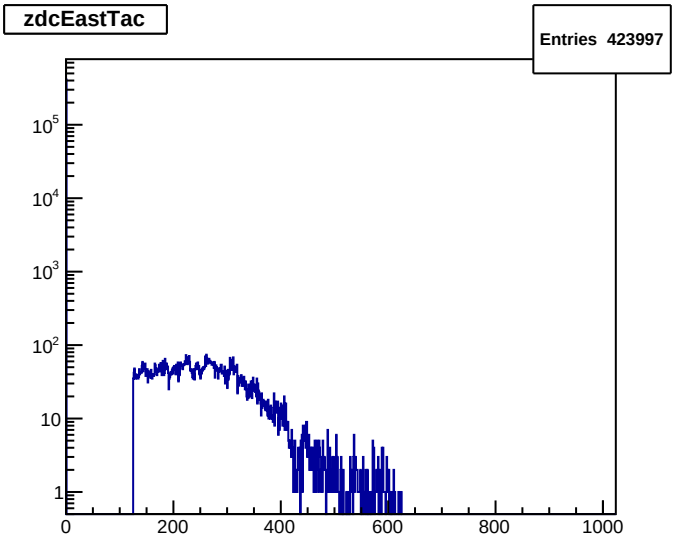

vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 423997


vpdWestAdcSumVsSimu
Entries 0
Data
Simu


vpdWestTacMax
Entries 423997


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 423997
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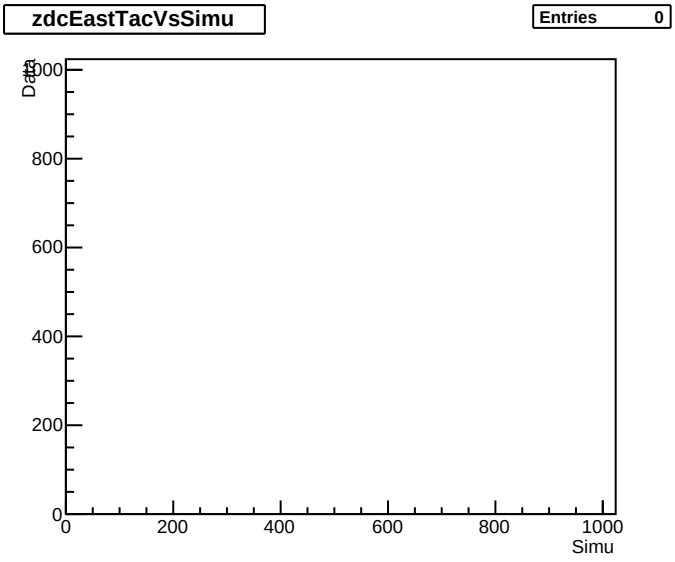
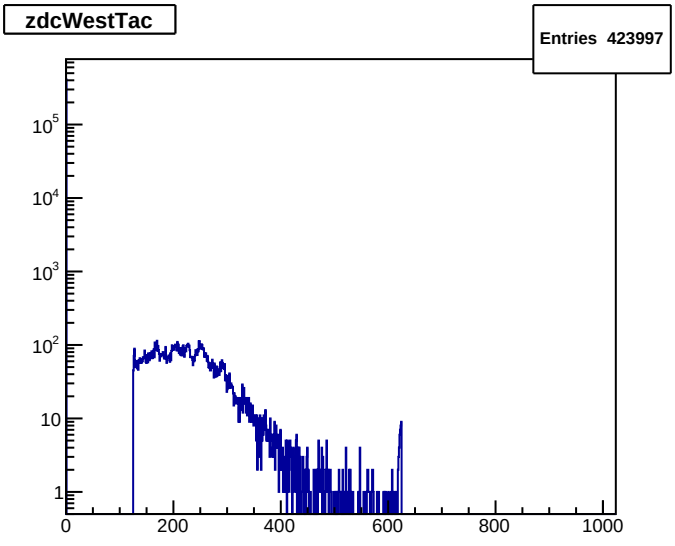
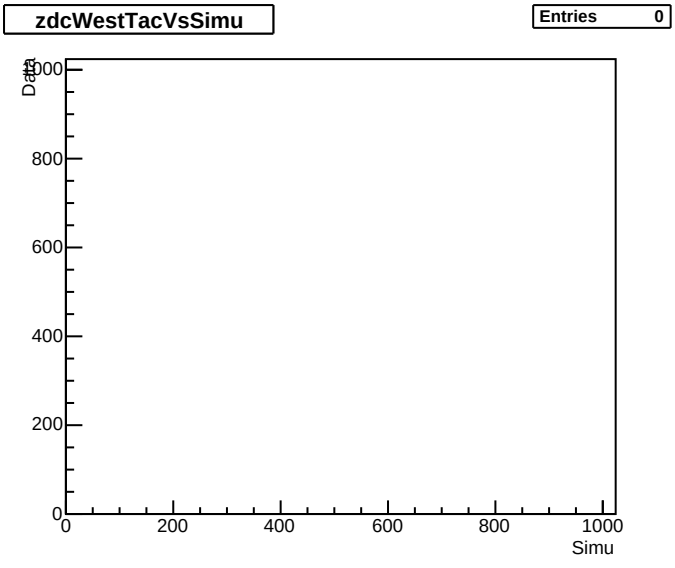
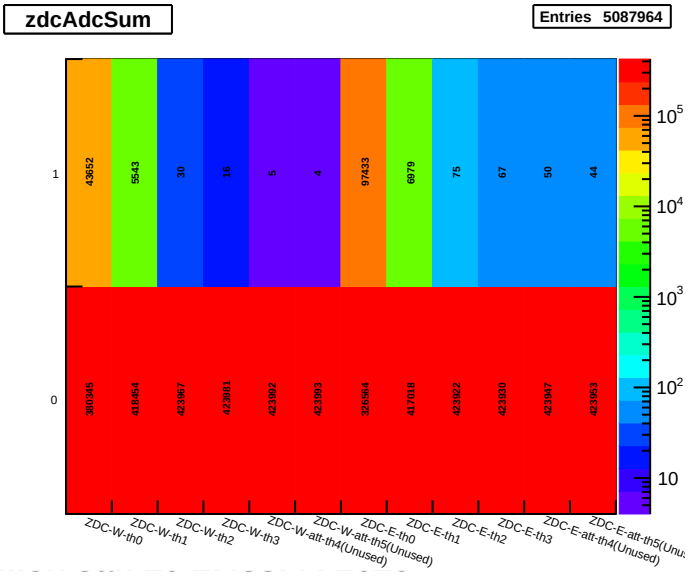
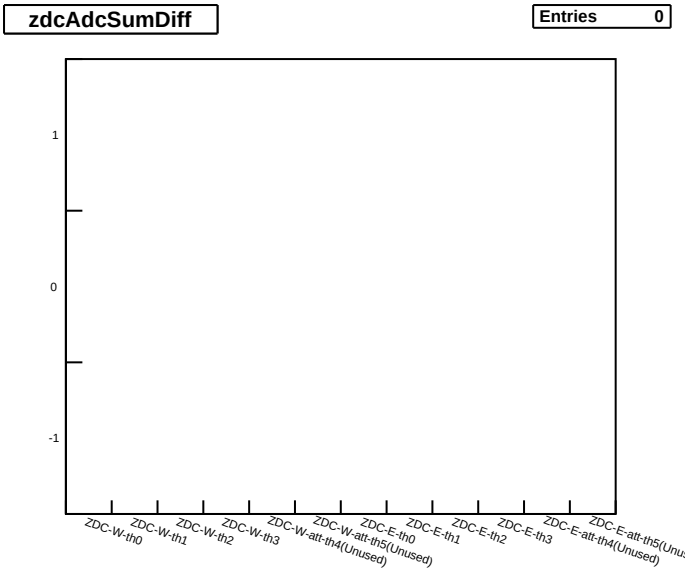
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

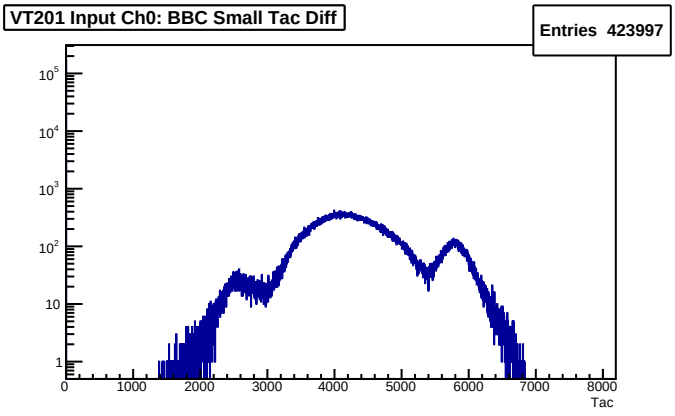

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

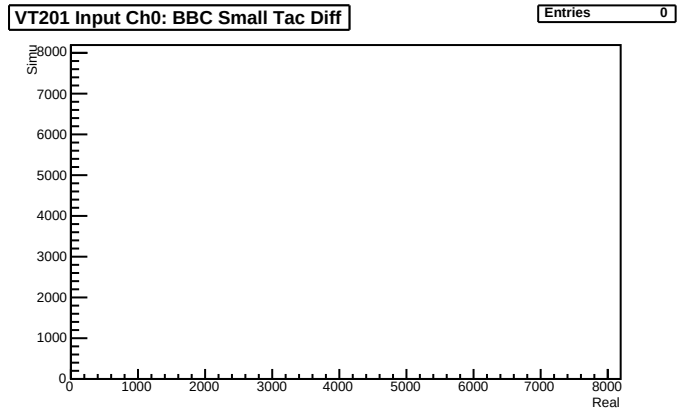

zdcWestTac
Entries 423997
$10^5$
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

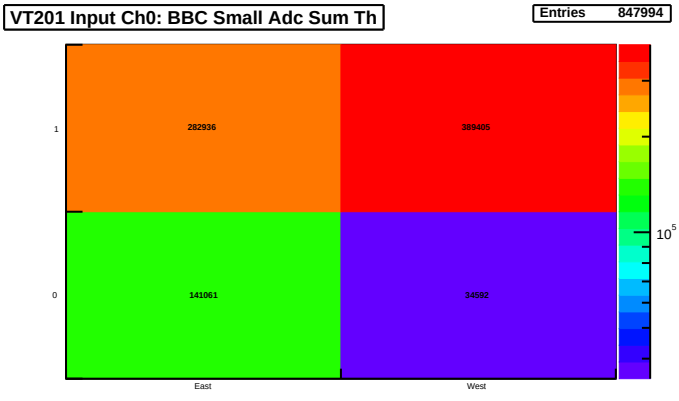

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

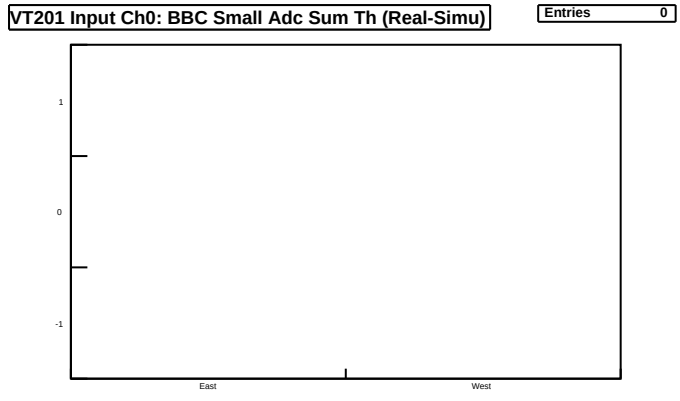

zdcAdcSum
Entries 5087964
1
0
43652
5543
30
16
5
4
97433
6979
75
67
50
44
380345
418454
423967
423981
423992
423993
326564
417016
423922
423930
423947
423953
$10^5$
$10^4$
$10^3$
$10^2$
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

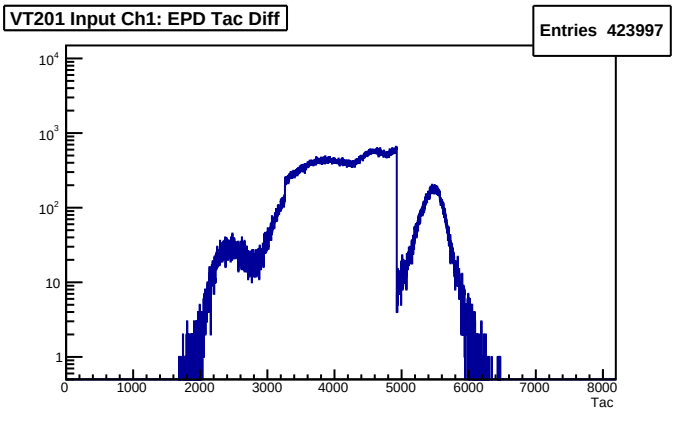

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

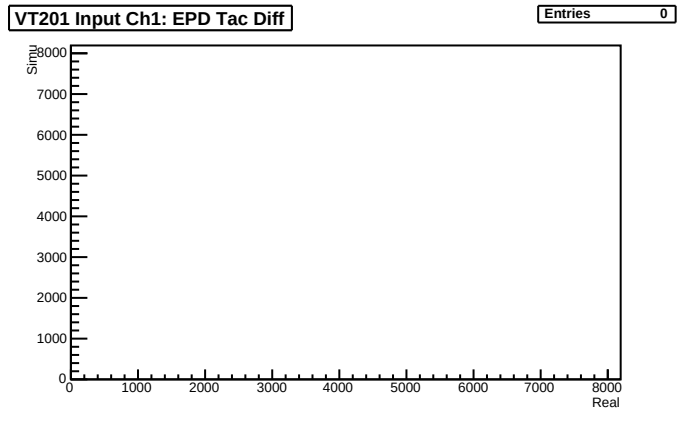

VT201 Input Ch0: BBC Small Tac Diff
Entries 423997
Tac

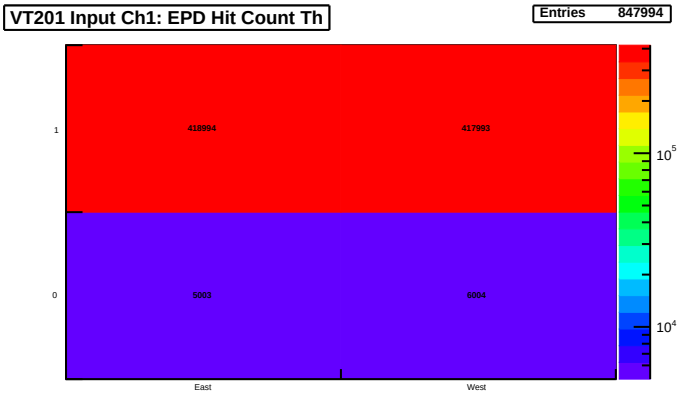

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

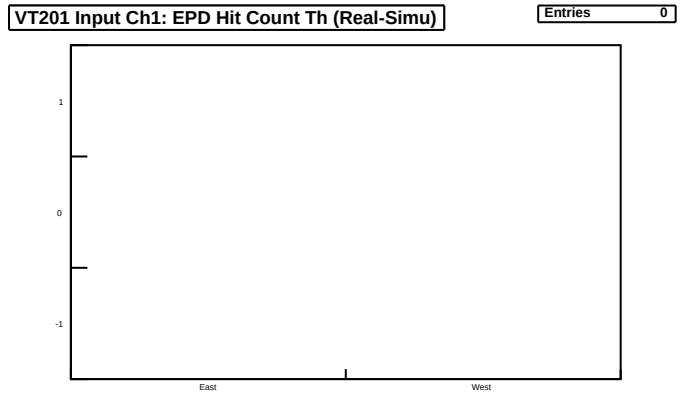

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 847994
282936
389405
141061
34592
East
West

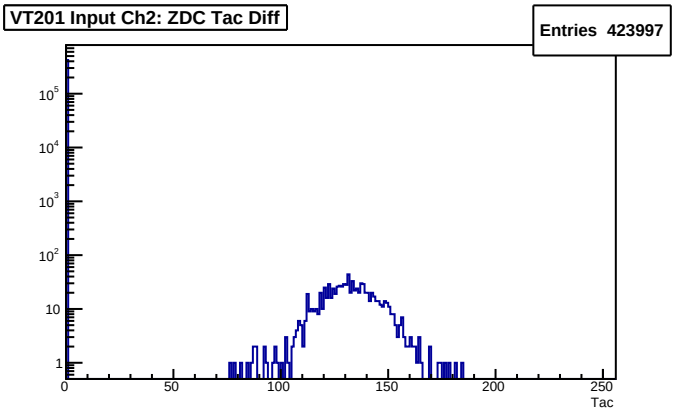

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

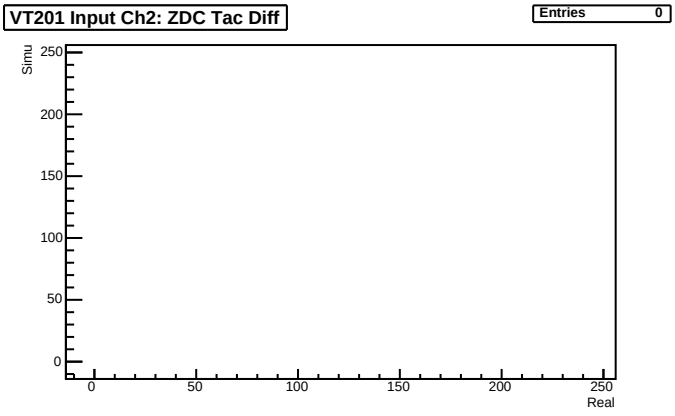

VT201 Input Ch1: EPD Tac Diff
Entries 423997
Tac

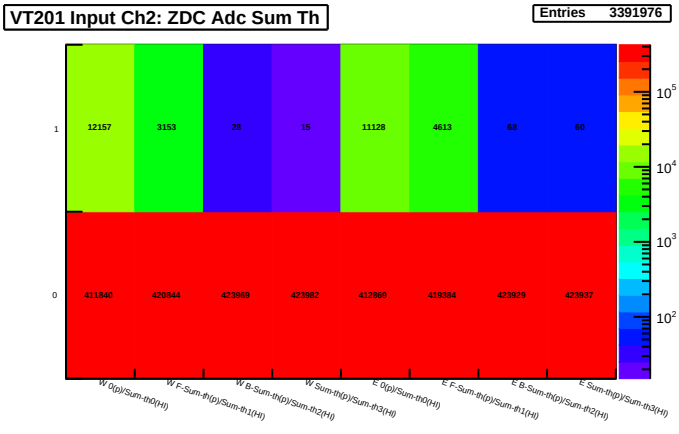

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

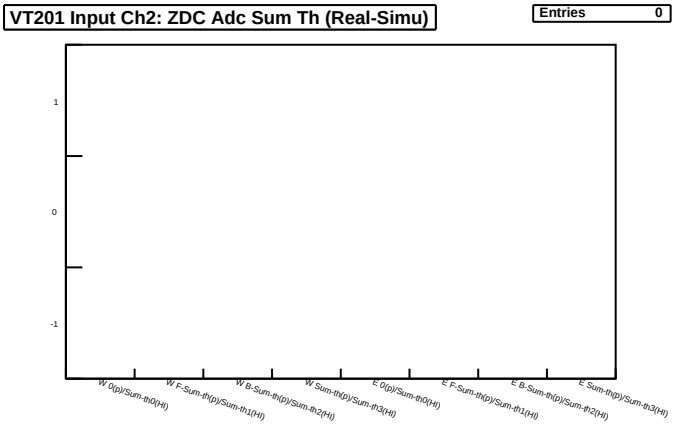

VT201 Input Ch1: EPD Hit Count Th
Entries 847994
418994
417993
5003
6004
East
West

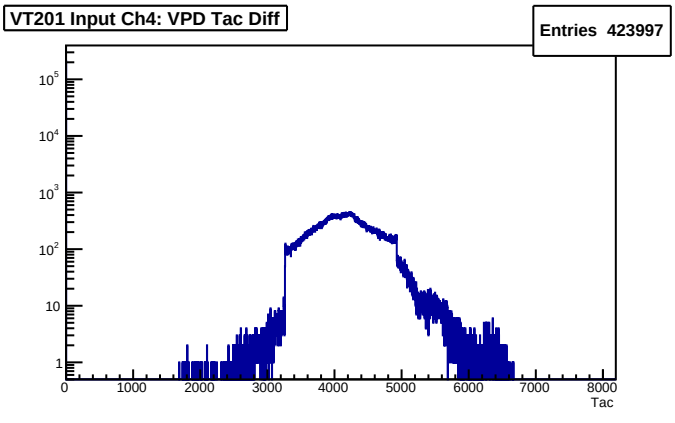

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

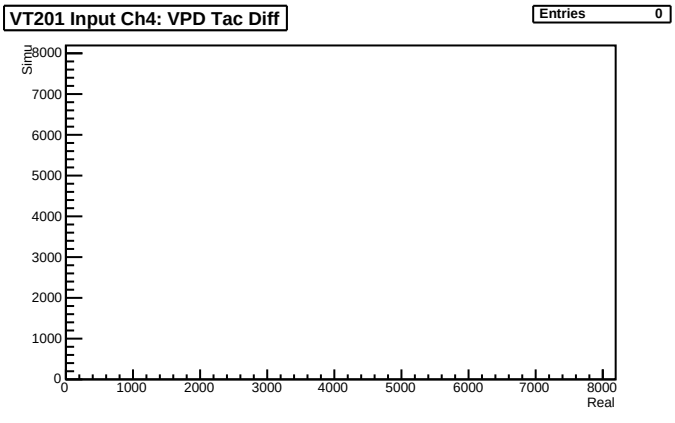

VT201 Input Ch2: ZDC Tac Diff
Entries 423997
Tac

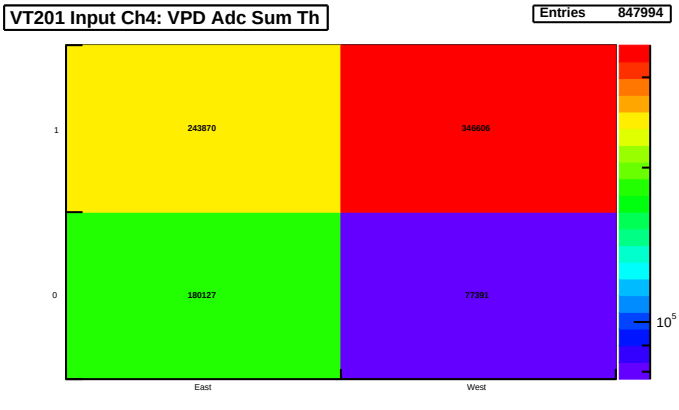

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

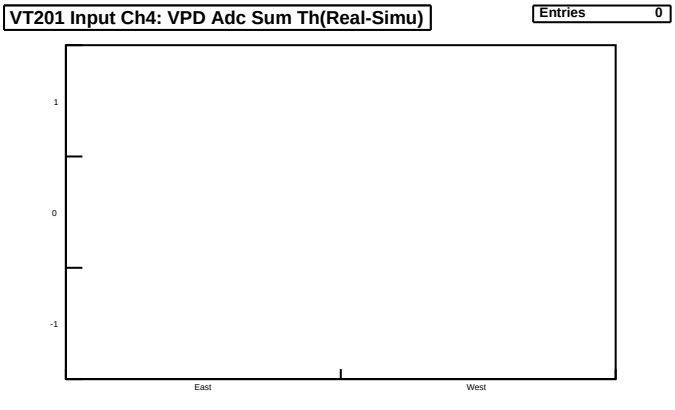

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3391976
12157
3153
28
15
11128
4613
68
60
411840
420844
423969
423982
412869
419384
423929
423937
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

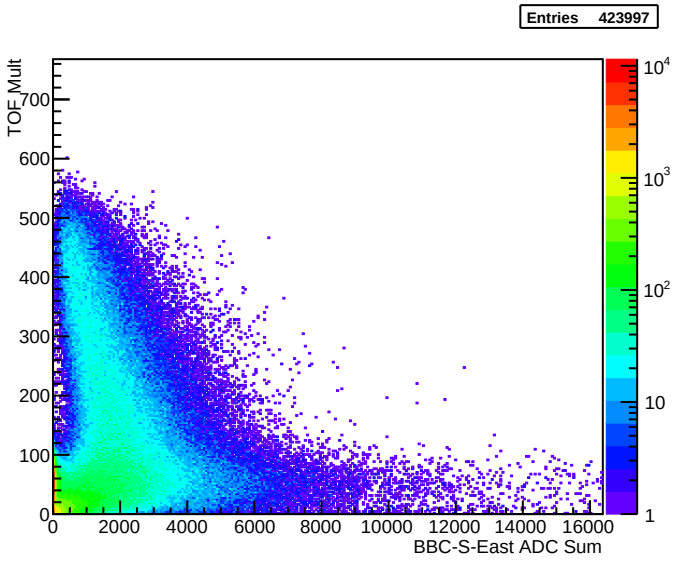

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

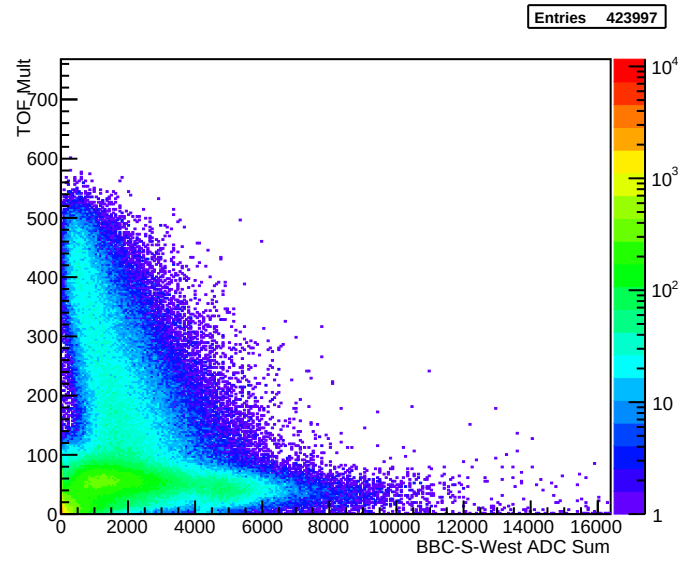

VT201 Input Ch4: VPD Tac Diff
Entries 423997
Tac

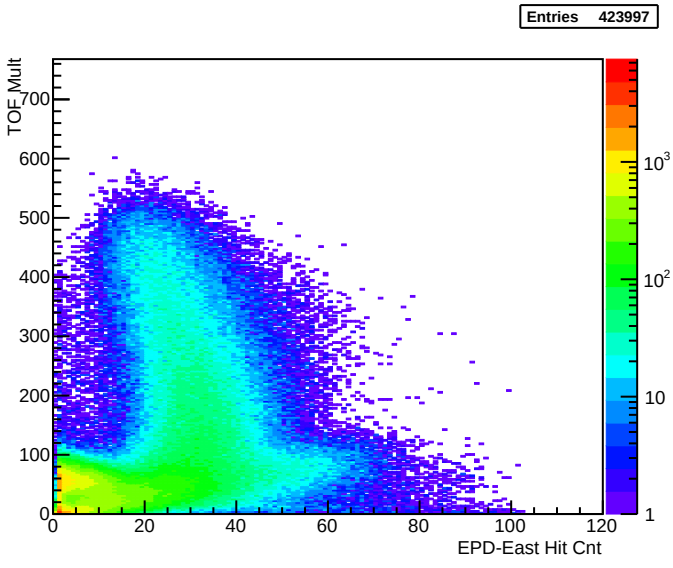

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

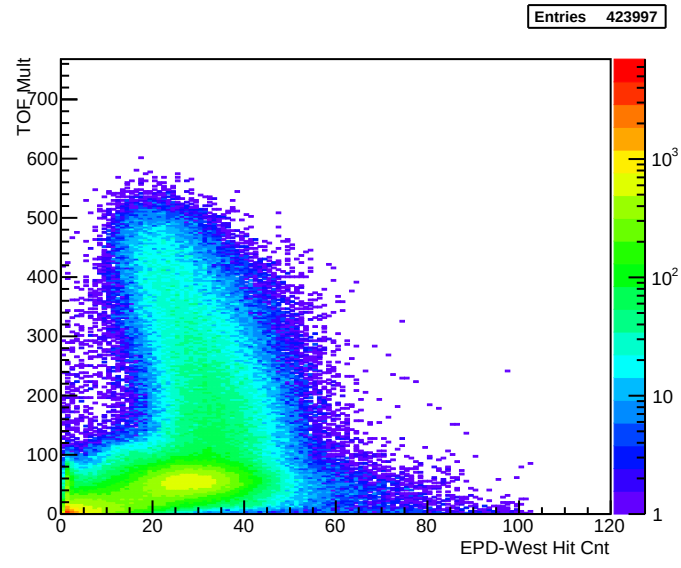

VT201 Input Ch4: VPD Adc Sum Th
Entries 847994
243870
346606
180127
77391
East
West

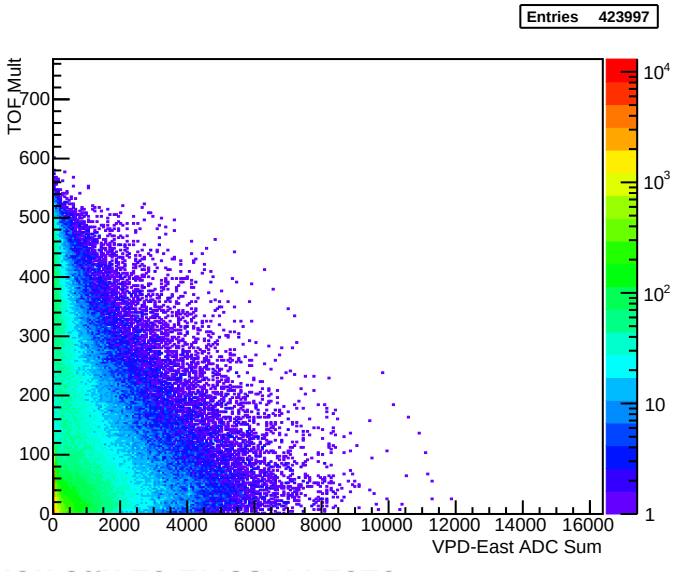

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

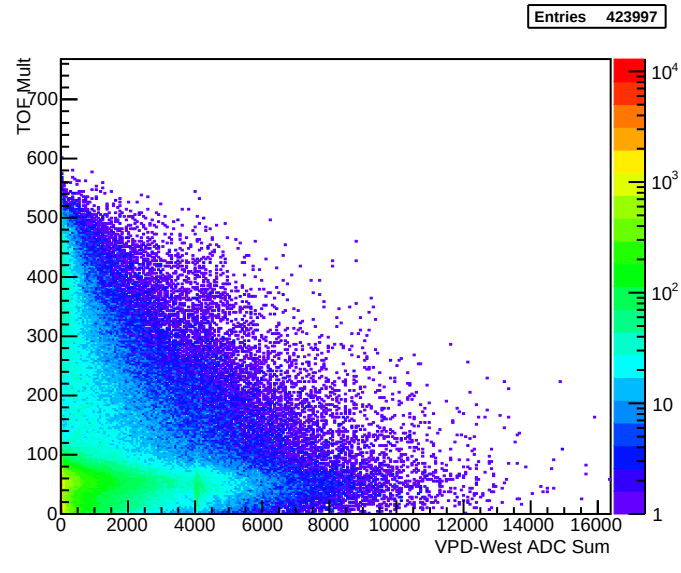

Entries 423997
TOF_Mult
BBC-S-East ADC Sum

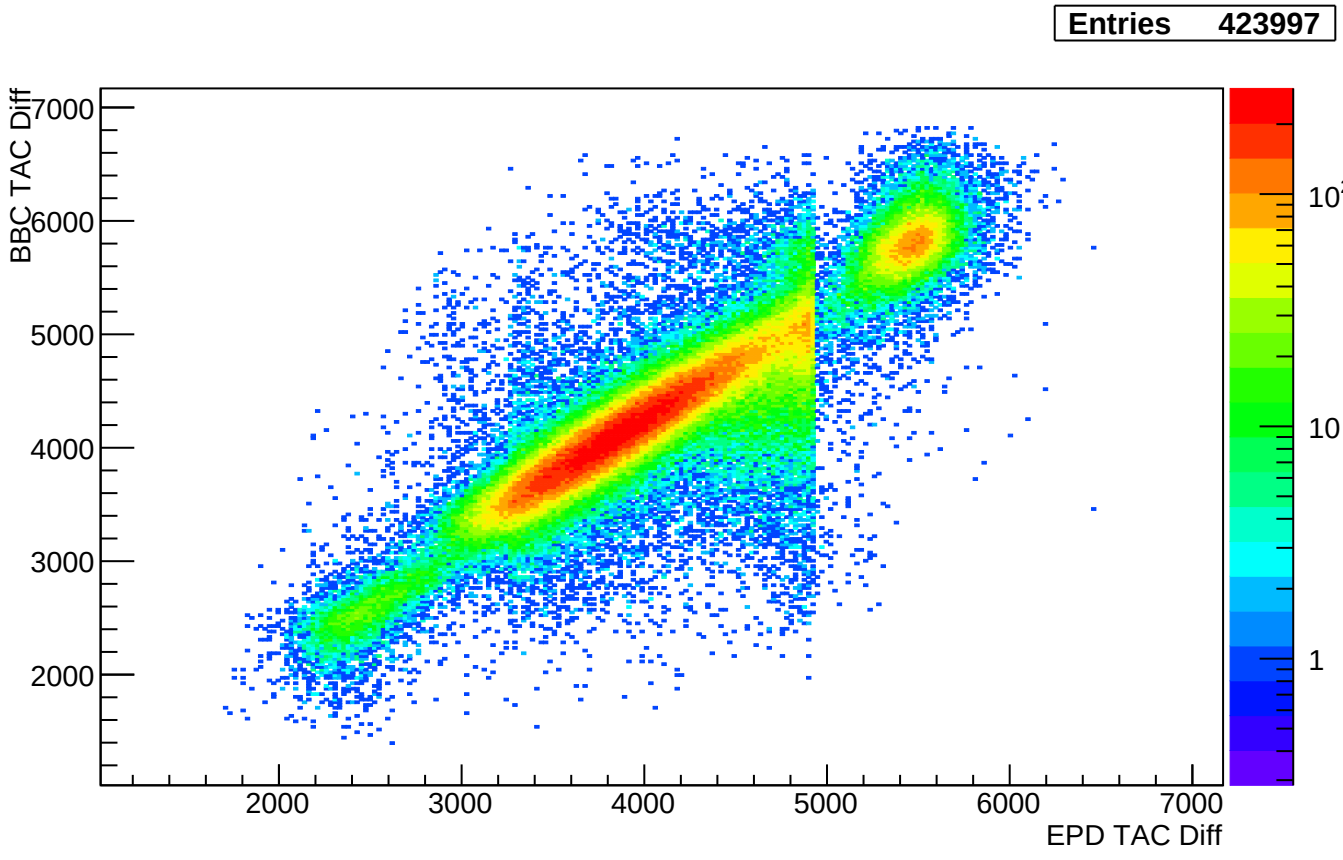

Entries 423997
TOF_Mult
BBC-S-West ADC Sum

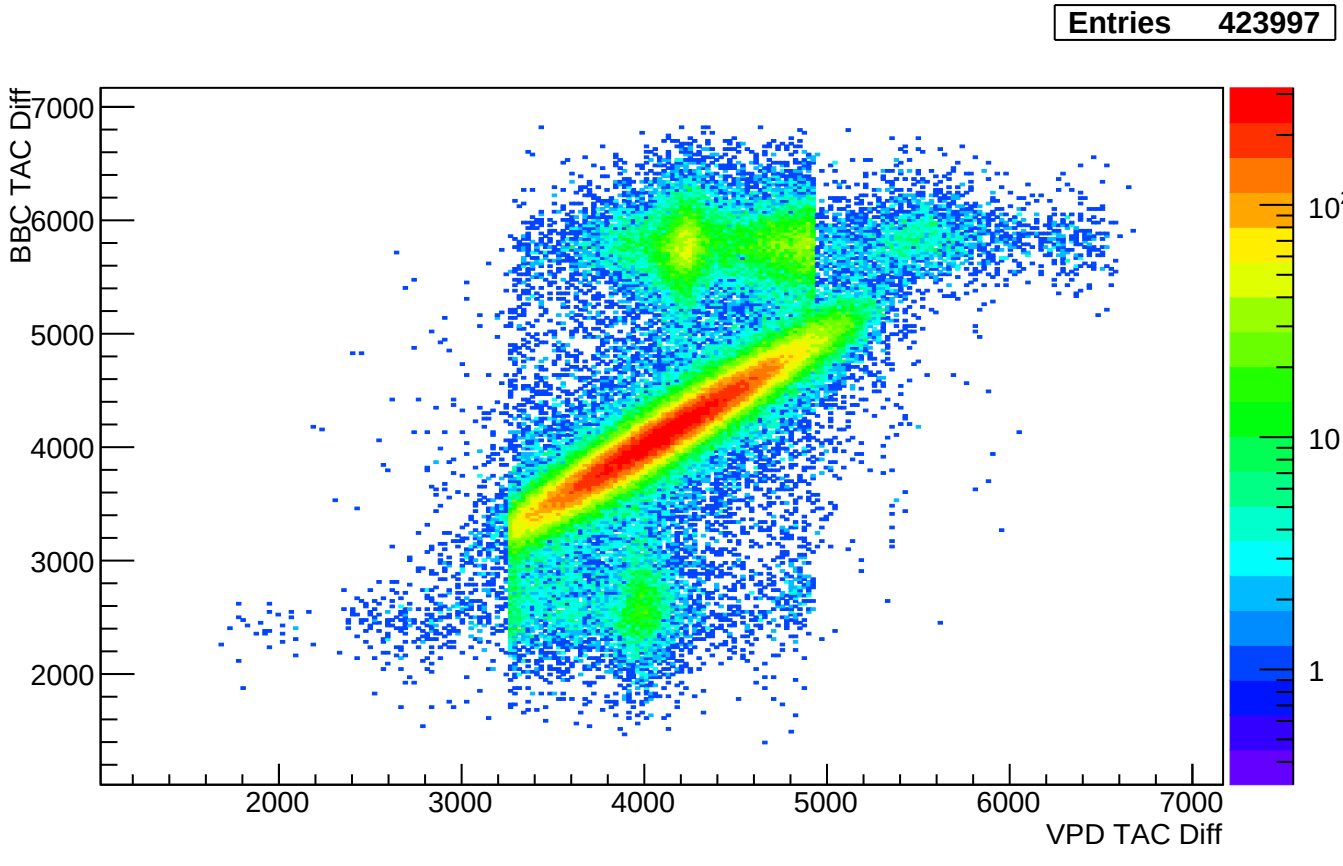

Entries 423997
TOF_Mult
EPD-East Hit Cnt

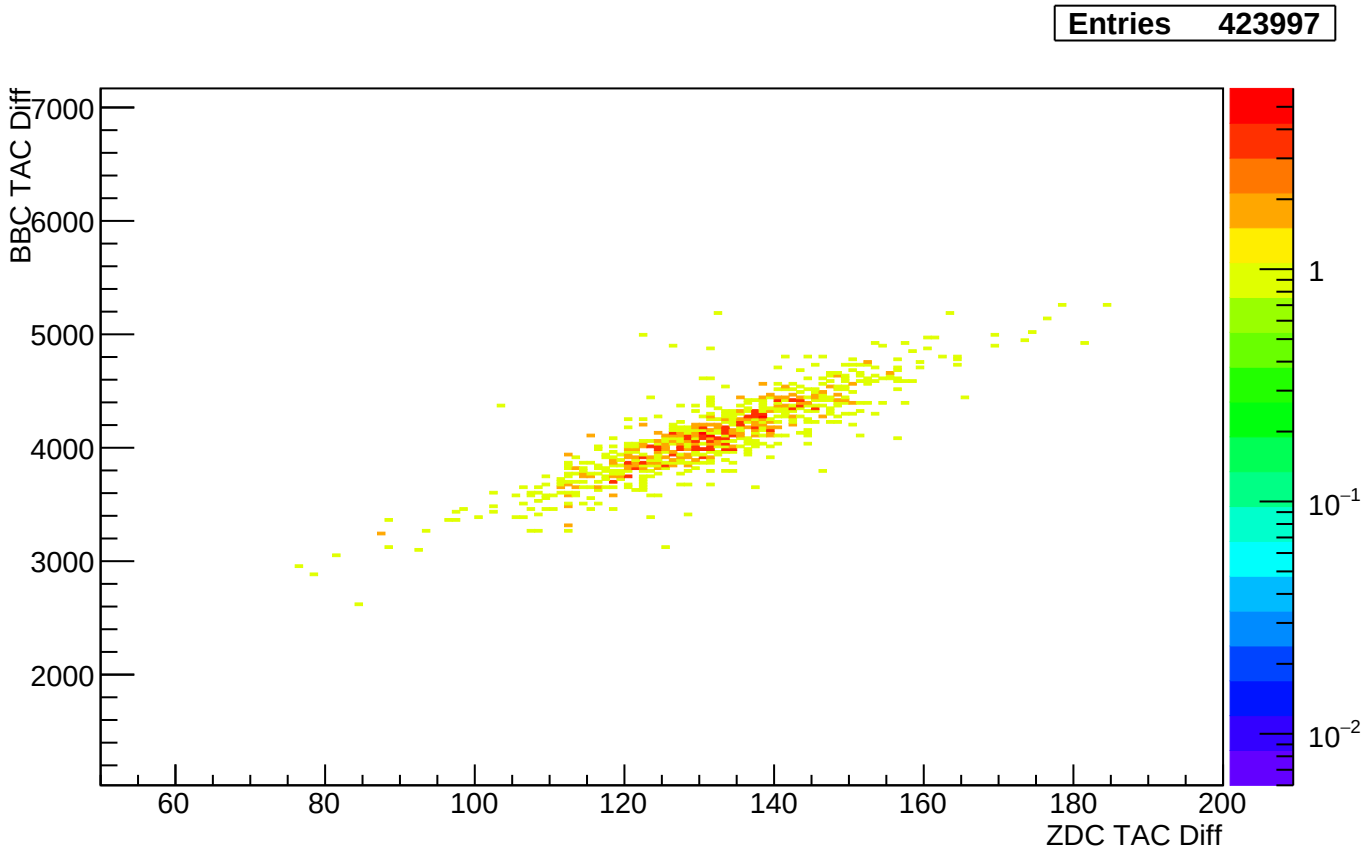

Entries 423997
TOF_Mult
EPD-West Hit Cnt

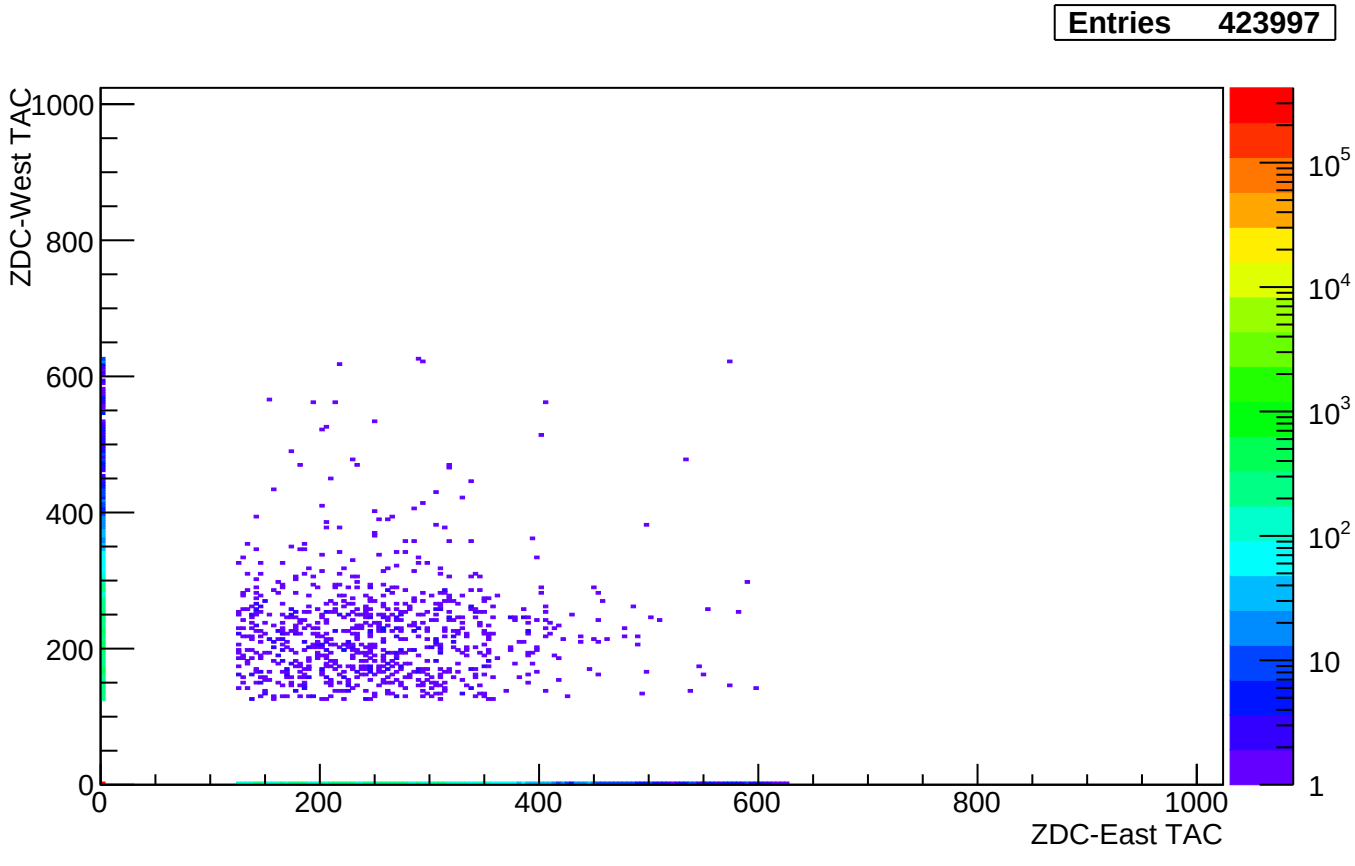

Entries 423997
TOF_Mult
VPD-East ADC Sum

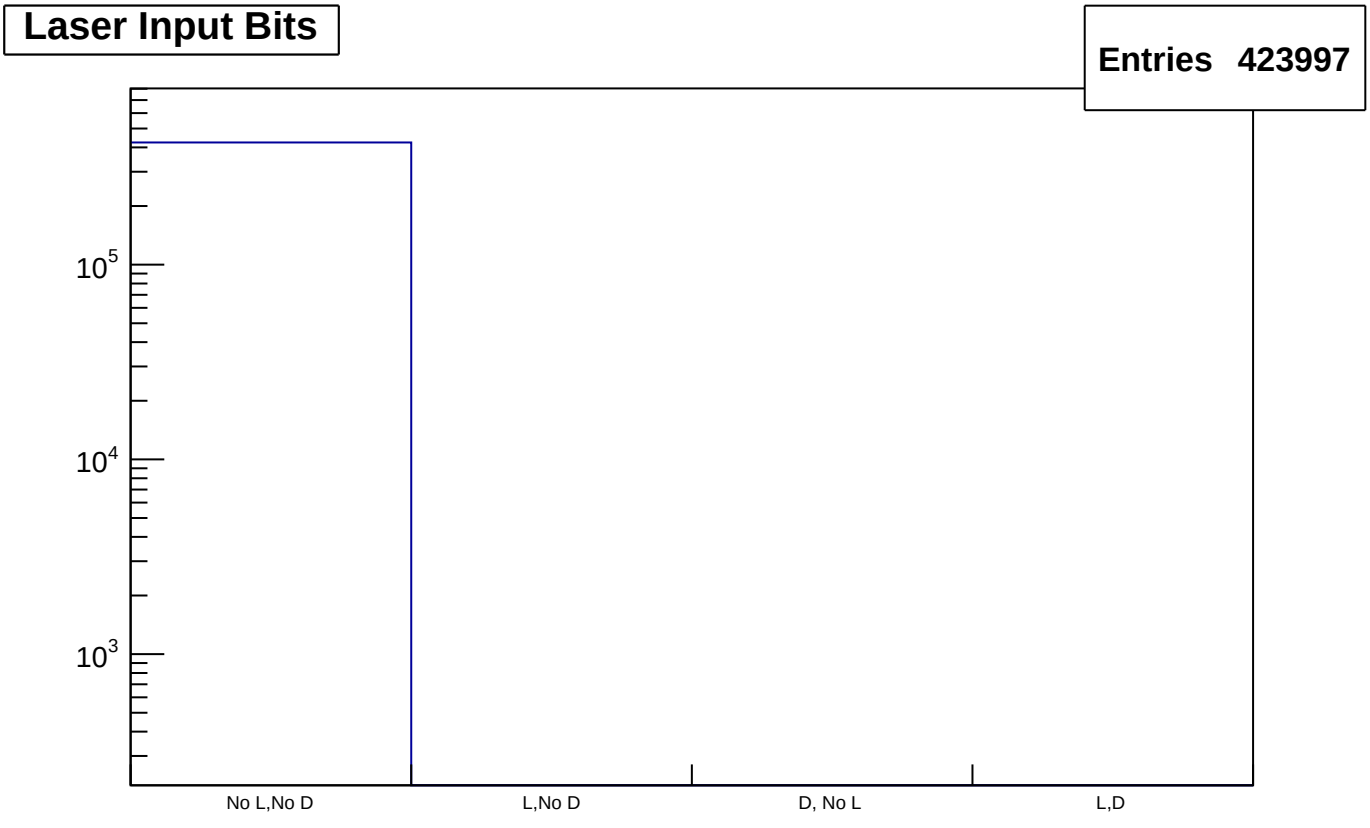

Entries 423997
TOF_Mult
VPD-West ADC Sum

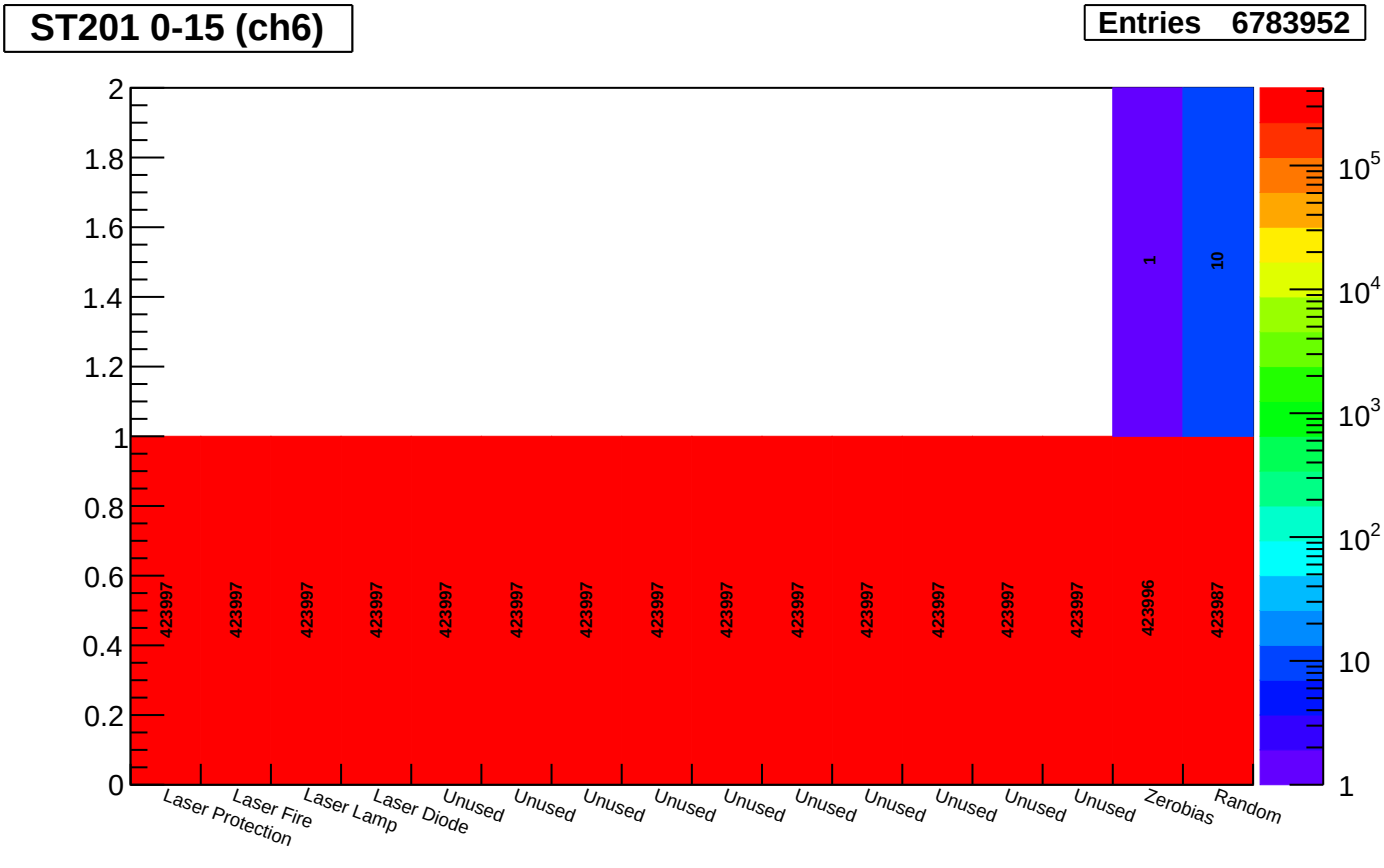

Entries 423997
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1

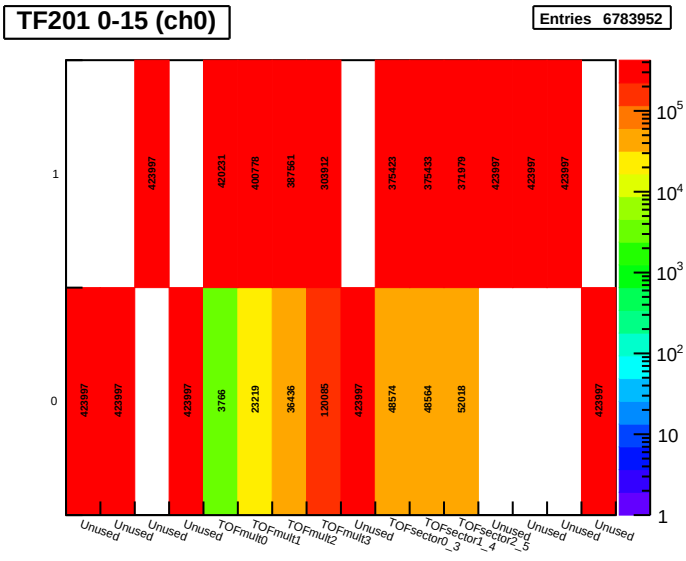

Entries 423997
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
$10^2$
10
1

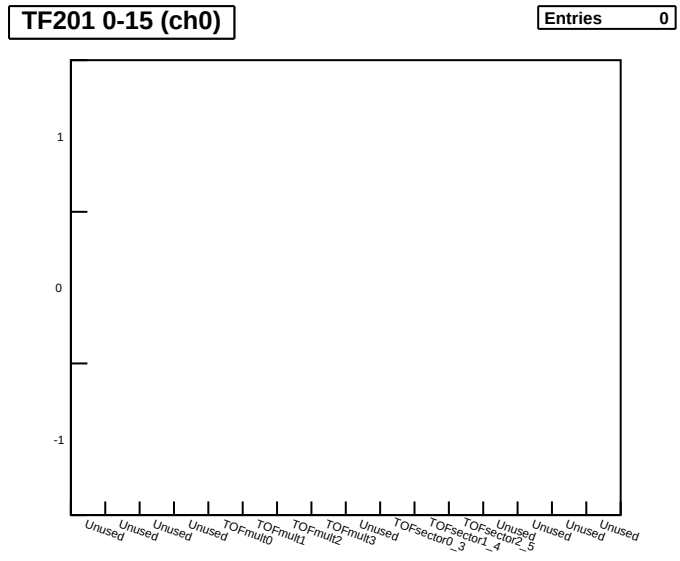

Entries 423997
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
$10^{-1}$
$10^{-2}$

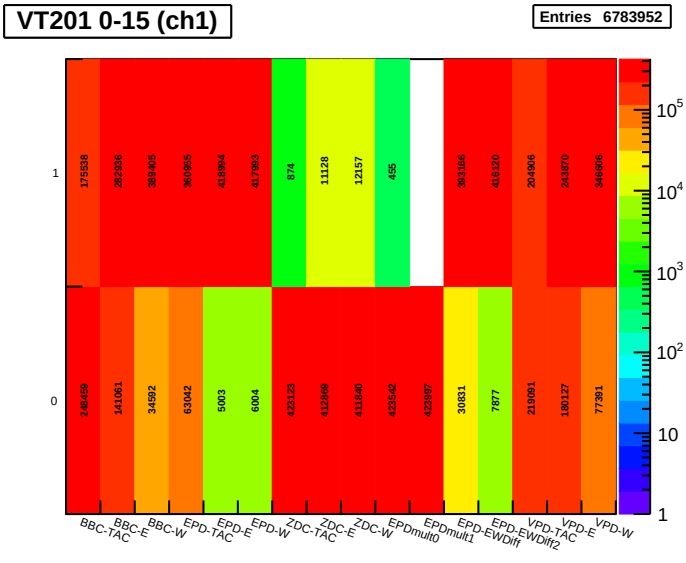

Entries 423997
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

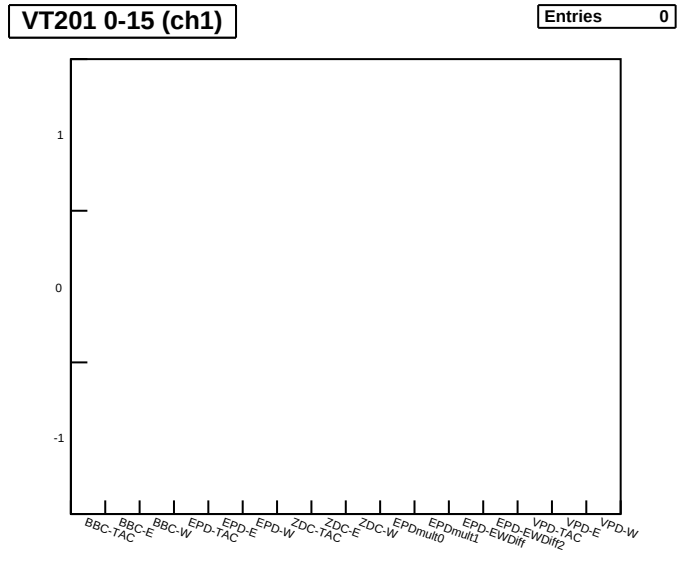

Laser Input Bits
Entries 423997
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

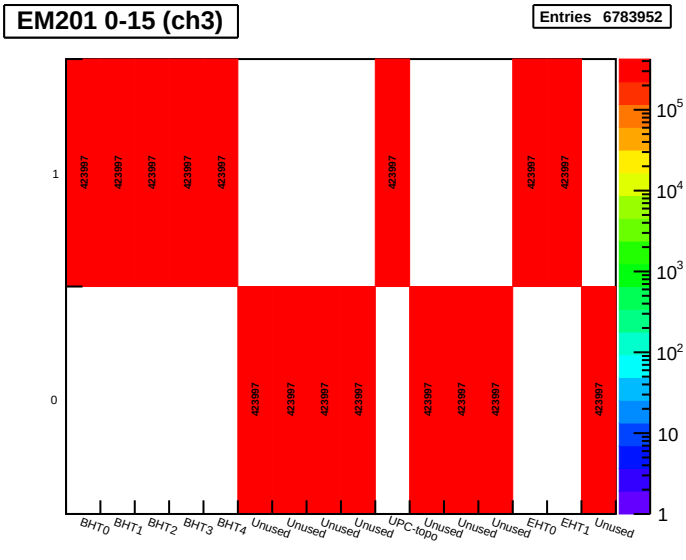

ST201 0-15 (ch6)
Entries 6783952
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423996
423987
1
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

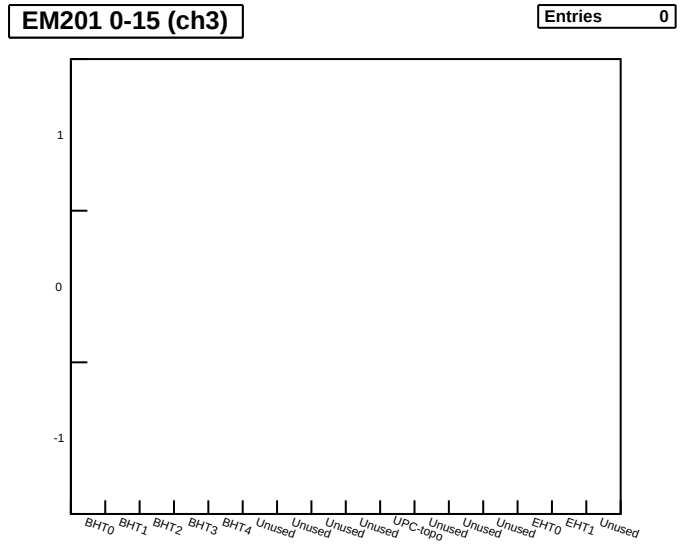

TF201 0-15 (ch0)
Entries 6783952
1
0
423997
420231
400778
387561
303912
375423
375433
371979
423997
423997
423997
423997
423997
3766
23219
36436
120085
423997
48574
48564
52018
423997
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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


VT201 0-15 (ch1)
Entries 6783952
1
0
175538
282956
369405
360955
418994
417993
874
11128
12157
455
393166
416120
204906
243870
346606
248459
141061
34592
63042
5003
6004
422123
412869
411840
422542
423997
30831
7877
219051
180127
77391
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
$10^5$
$10^4$
$10^3$
$10^2$
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 6783952
1
0
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
423997
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
$10^5$
$10^4$
$10^3$
$10^2$
10
1


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