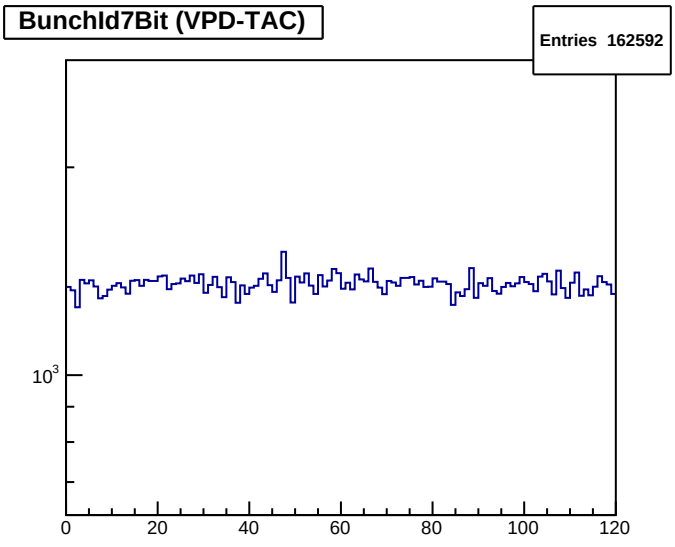
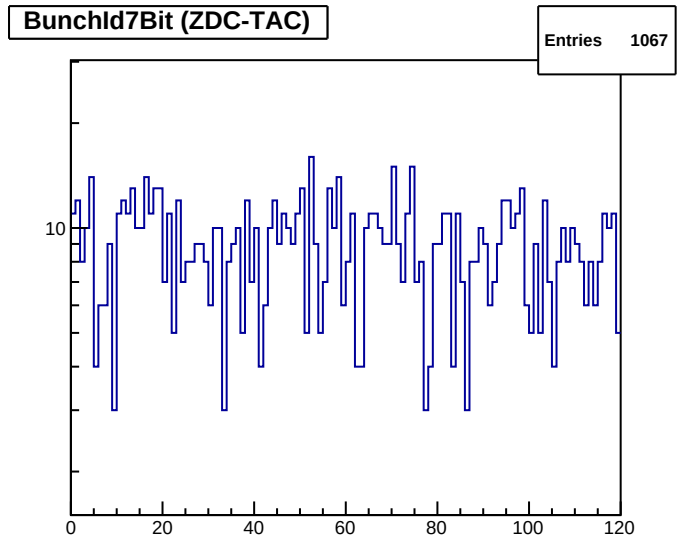
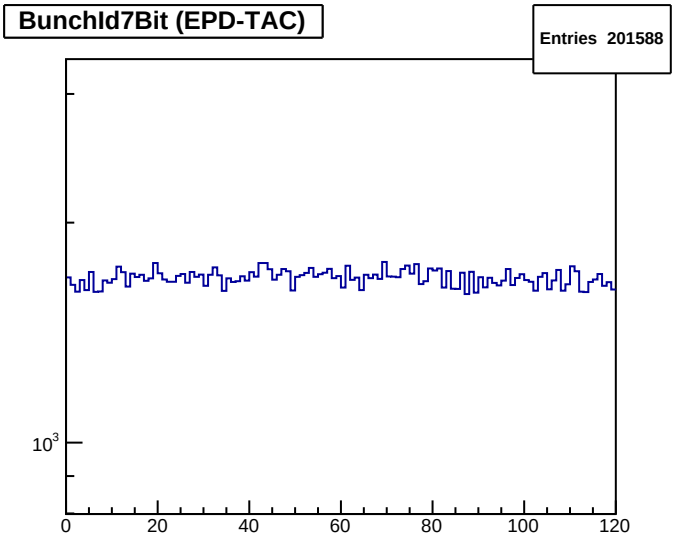
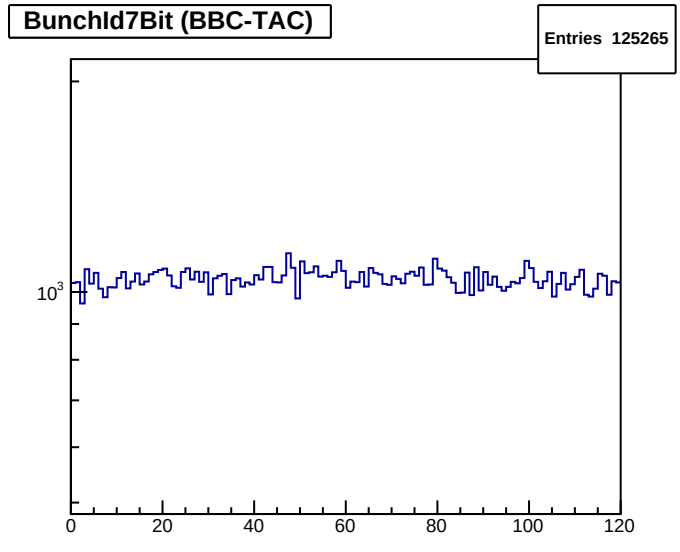
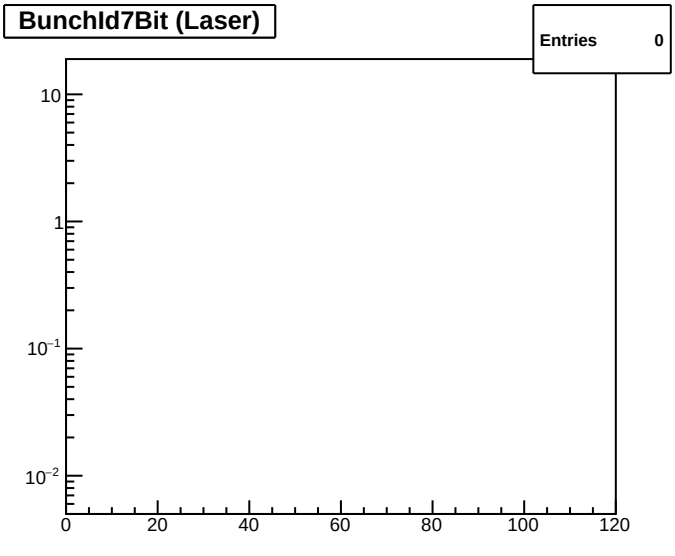
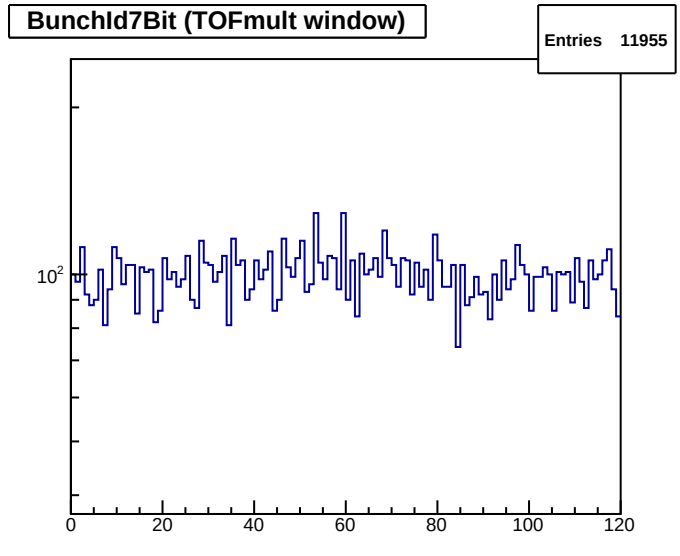

BunchId7Bit (VPD-TAC)
Entries 162592
10^3
0 20 40 60 80 100 120

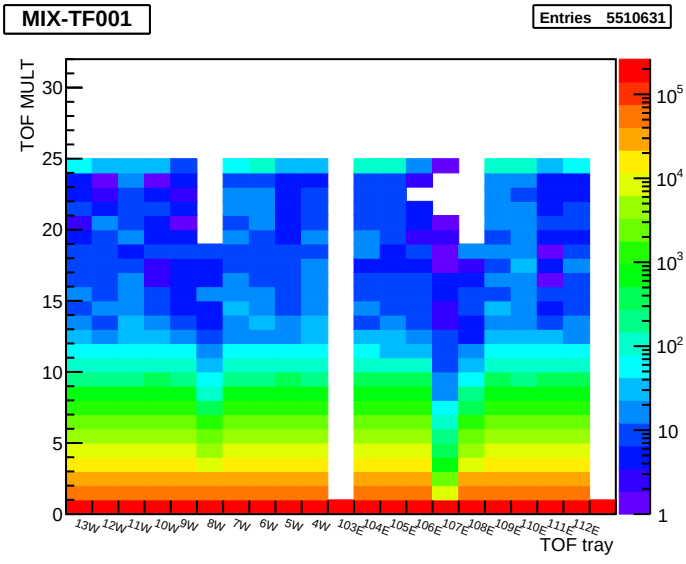

BunchId7Bit (ZDC-TAC)
Entries 1067
10
0 20 40 60 80 100 120

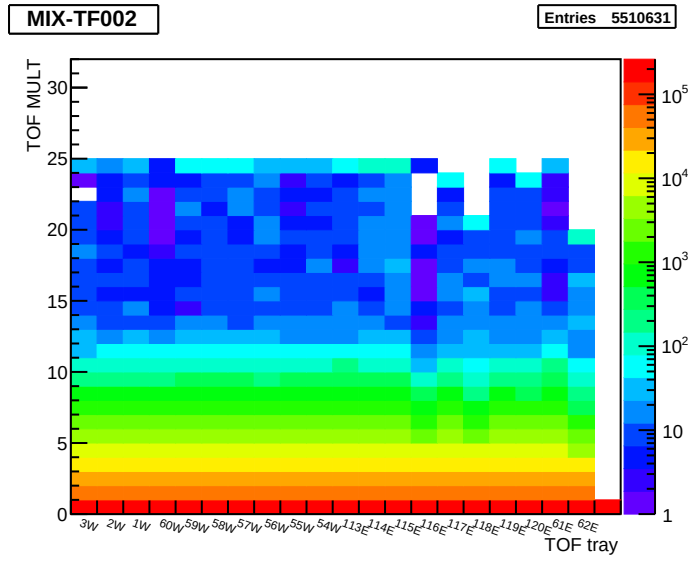

BunchId7Bit (EPD-TAC)
Entries 201588
10^3
0 20 40 60 80 100 120

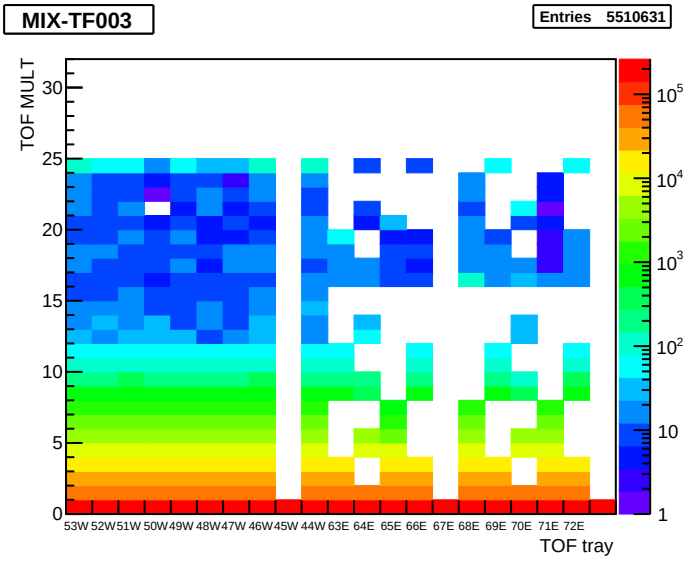

BunchId7Bit (BBC-TAC)
Entries 125265
10^3
0 20 40 60 80 100 120

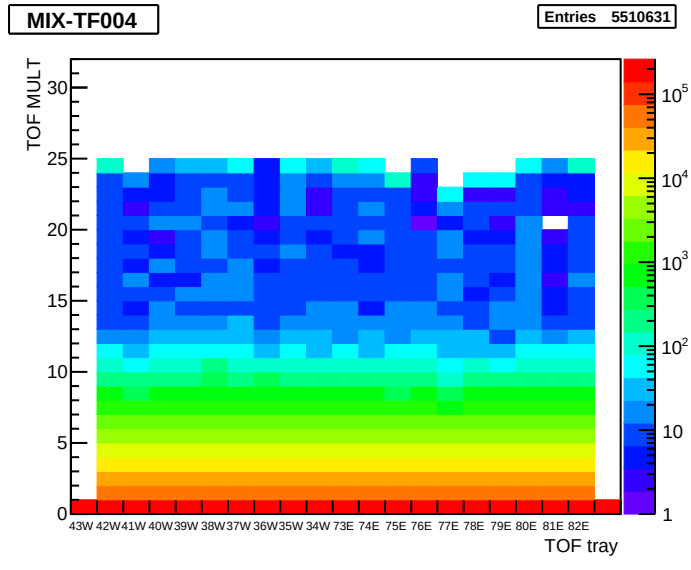

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

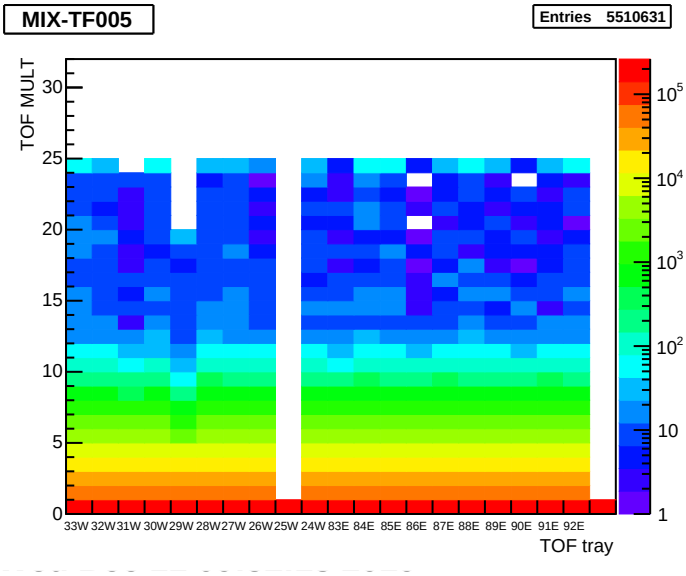

BunchId7Bit (TOFmult window)
Entries 11955
10^2
0 20 40 60 80 100 120

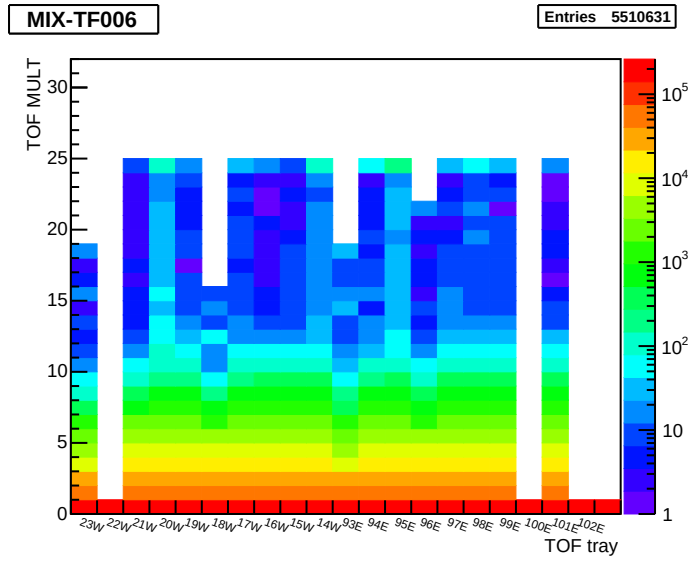

MIX-TF001
Entries 5510631
TOF MULT
TOF tray

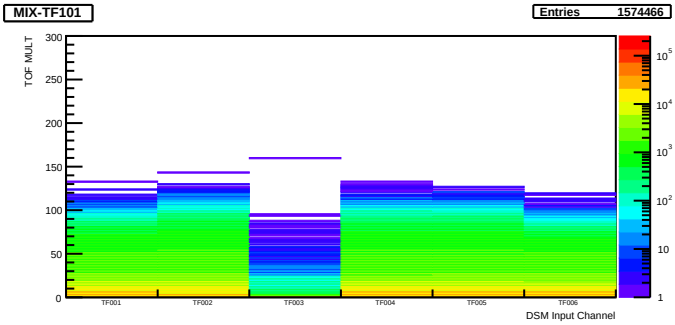

MIX-TF002
Entries 5510631
TOF MULT
TOF tray

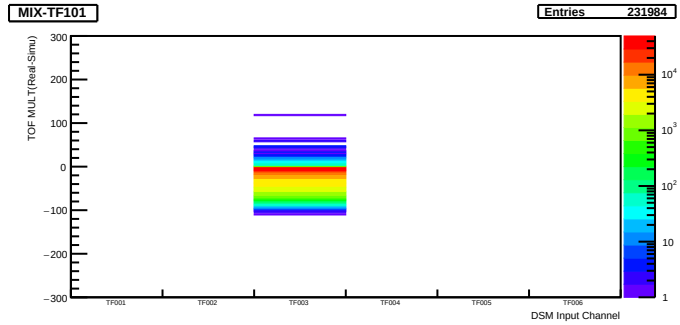

MIX-TF003
Entries 5510631
TOF MULT
TOF tray

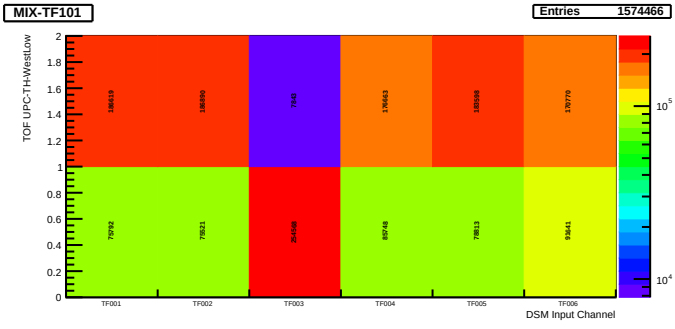

MIX-TF004
Entries 5510631
TOF MULT
TOF tray

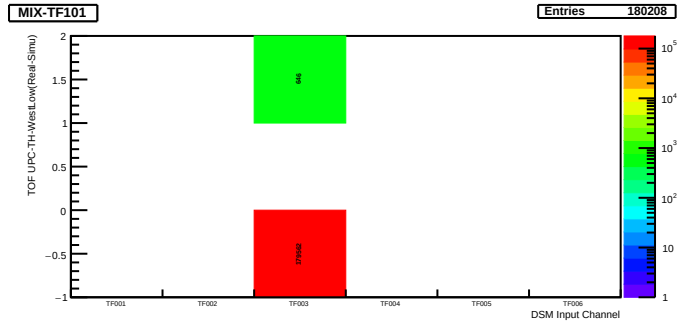

MIX-TF005
Entries 5510631
TOF MULT
TOF tray

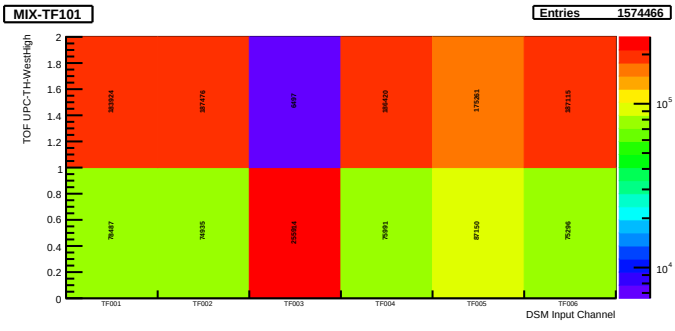

MIX-TF006
Entries 5510631
TOF MULT
TOF tray

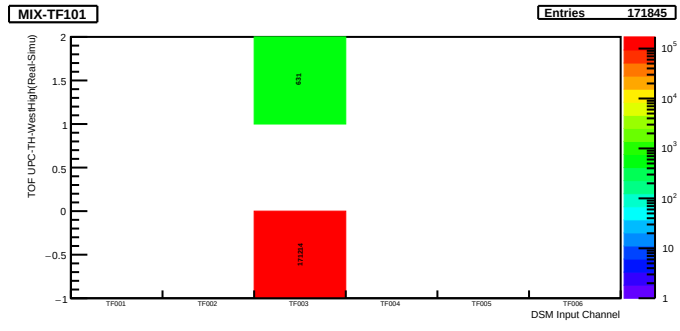

MIX-TF101
Entries 1574466
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

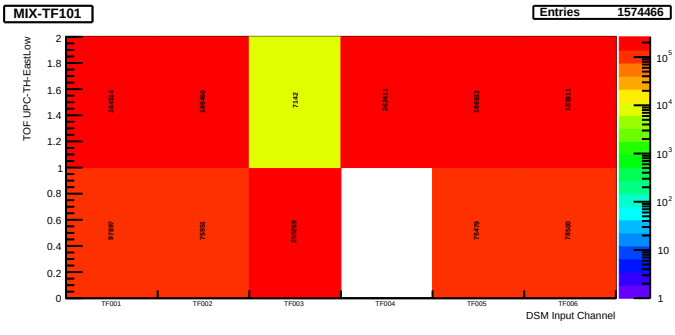

MIX-TF101
Entries 231984
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

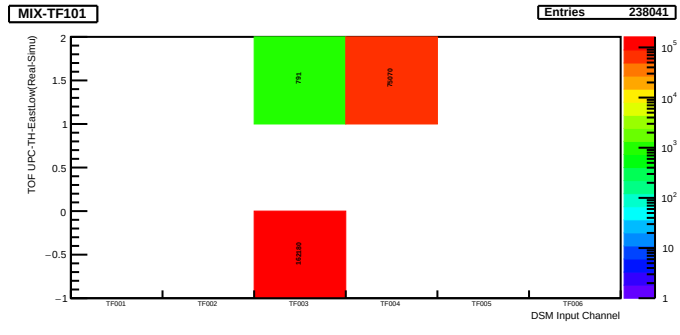

MIX-TF101
Entries 1574466
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

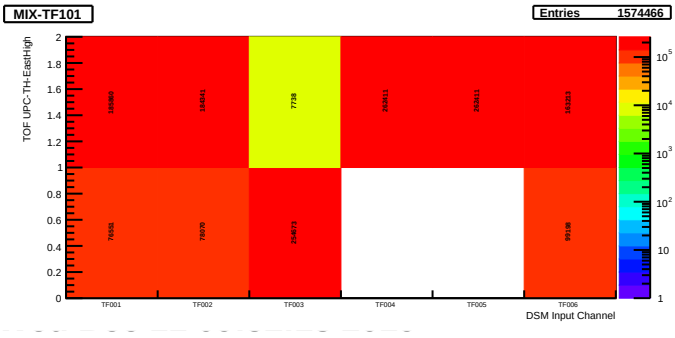

MIX-TF101
Entries 180208
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

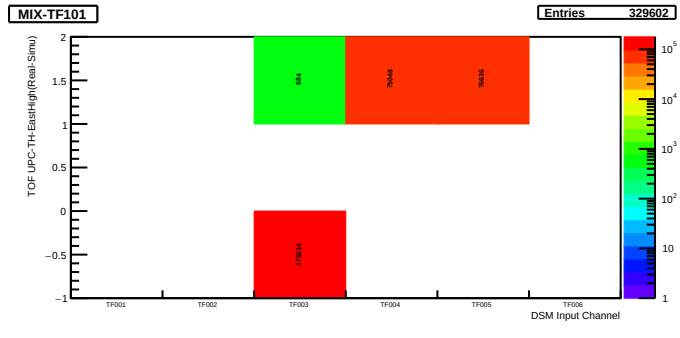

MIX-TF101
Entries 1574466
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

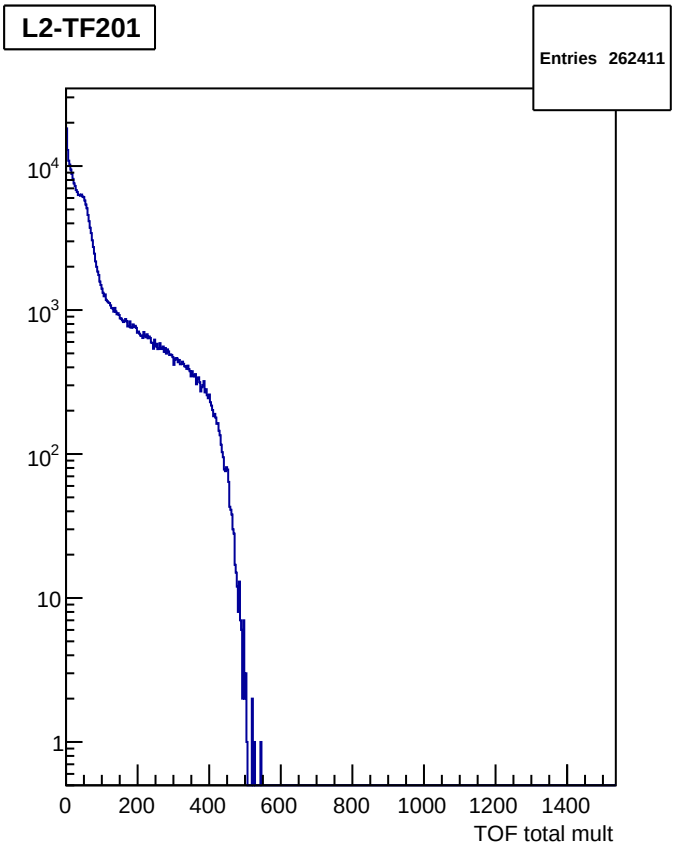

MIX-TF101
Entries 171845
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

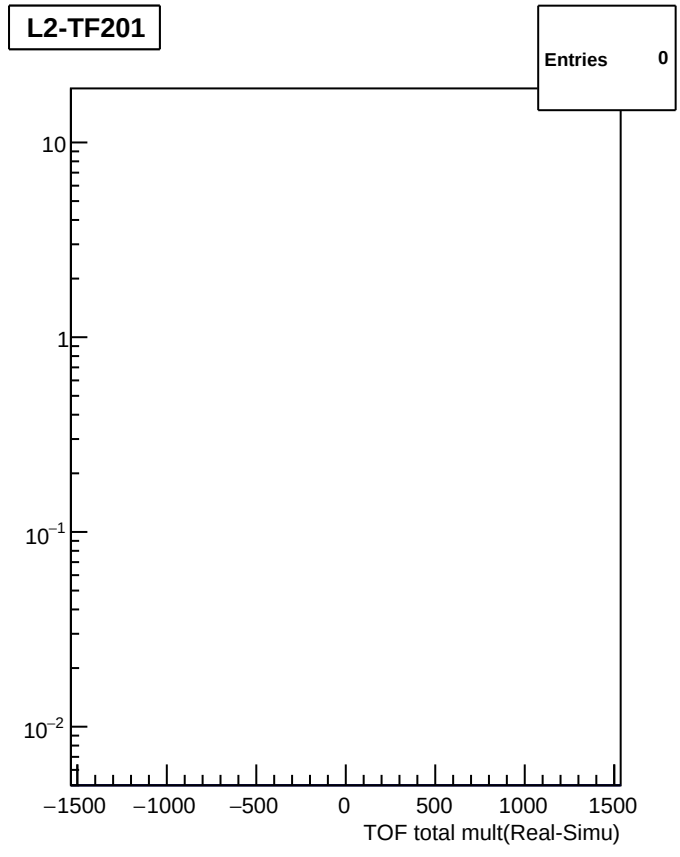

MIX-TF101
Entries 1574466
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

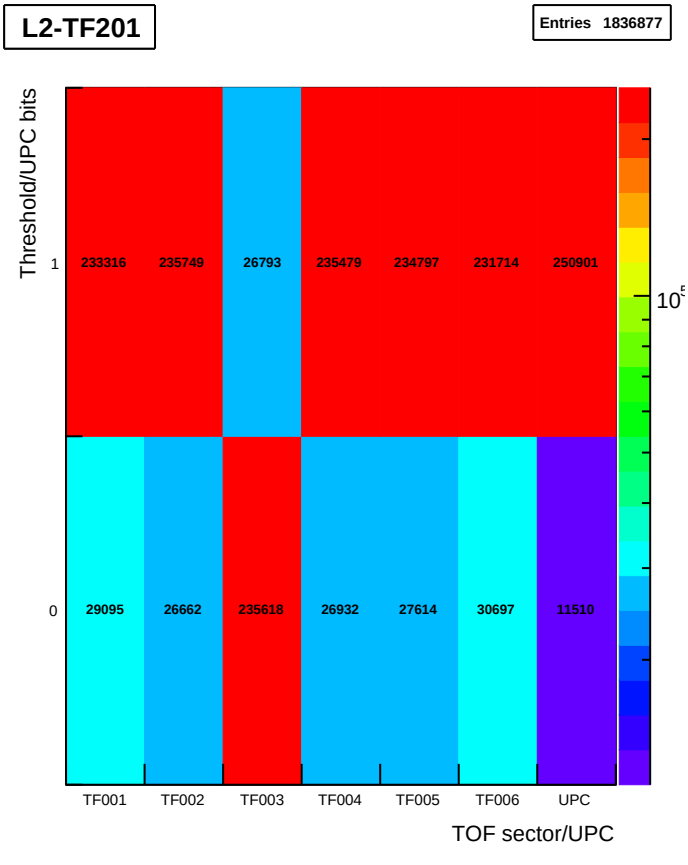

MIX-TF101
Entries 238041
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

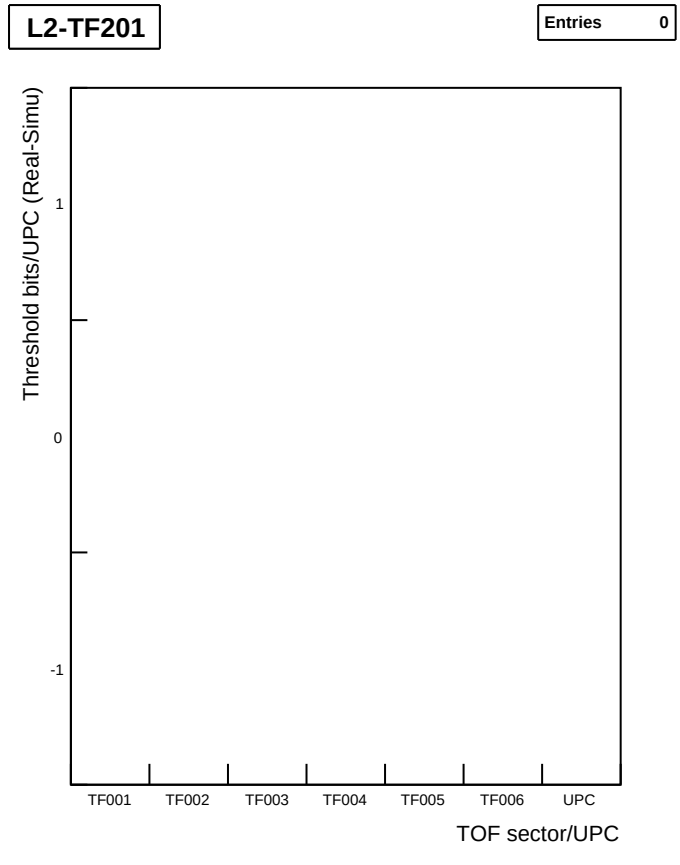

MIX-TF101
Entries 1574466
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

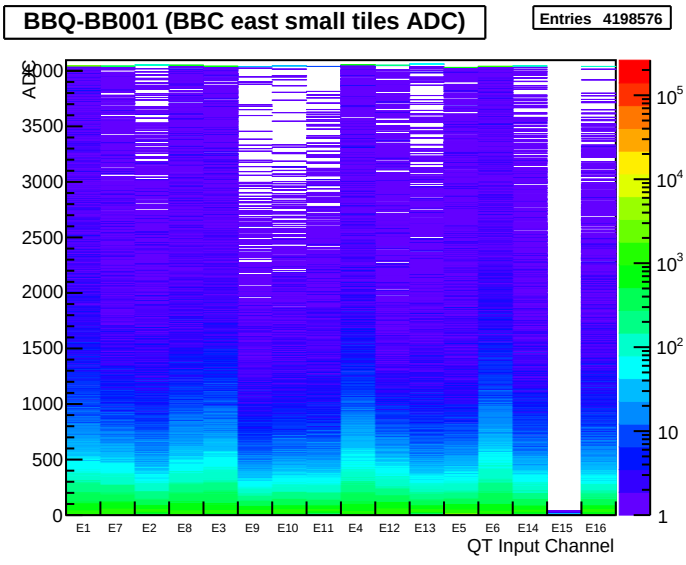

MIX-TF101
Entries 329602
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

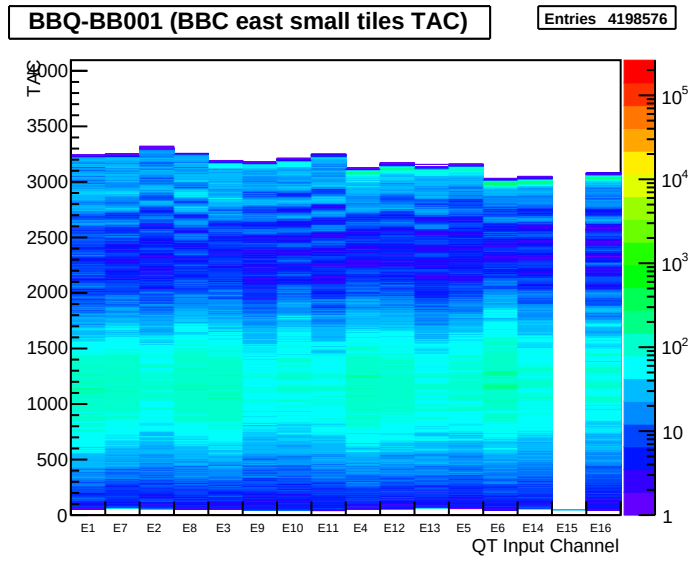

L2-TF201
Entries 262411
TOF total mult

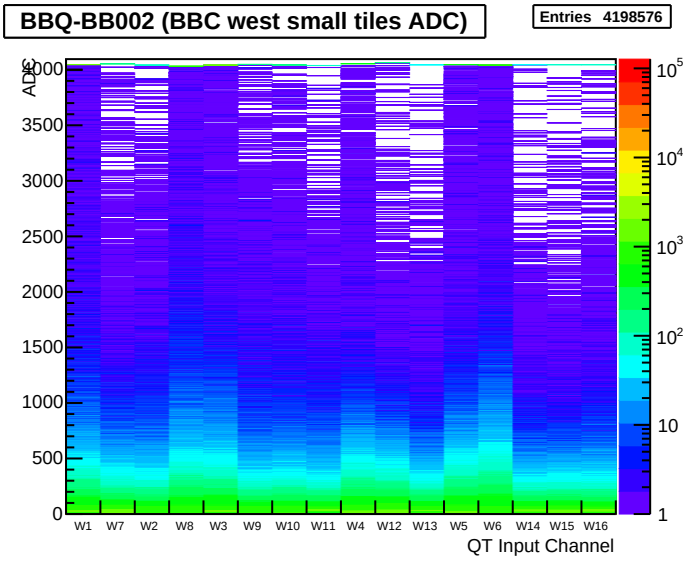

L2-TF201
Entries 0
TOF total mult(Real-Simu)

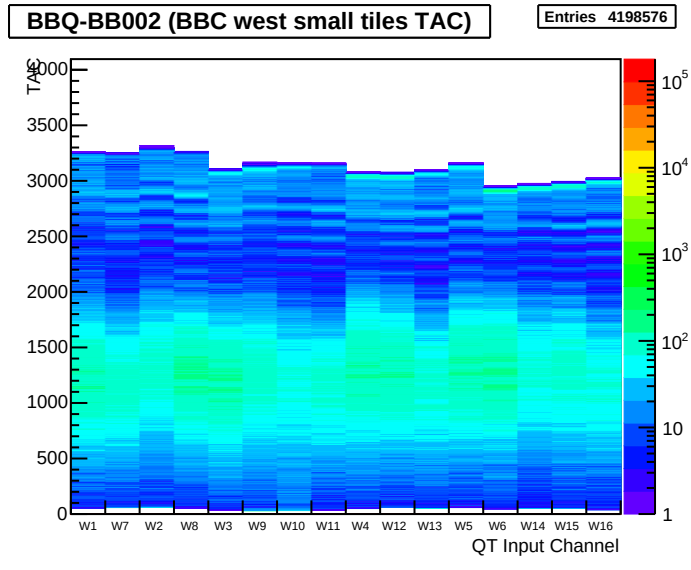

L2-TF201
Entries 1836877
Threshold/UPC bits
233316
235749
26793
235479
234797
231714
250901
29095
26662
235618
26932
27614
30697
11510
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

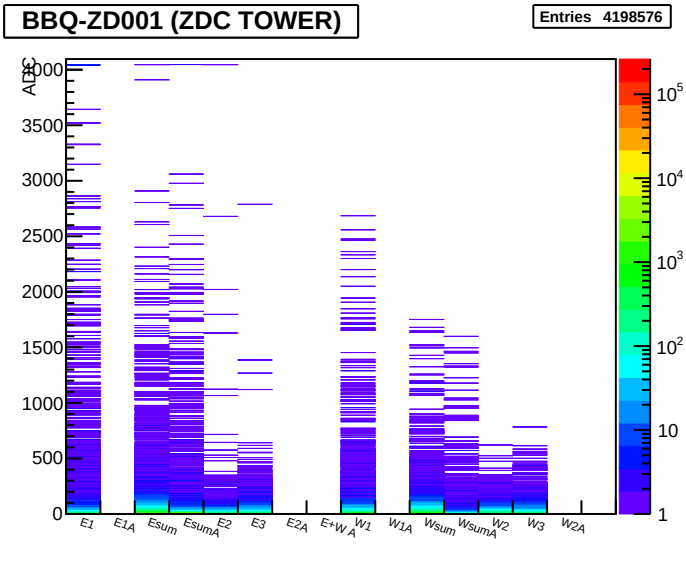

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

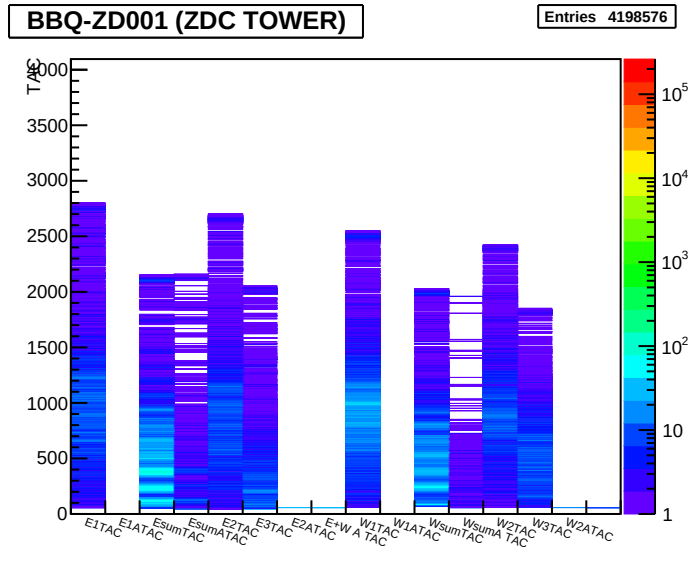

BBQ-BB001 (BBC east small tiles ADC)
Entries 4198576
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

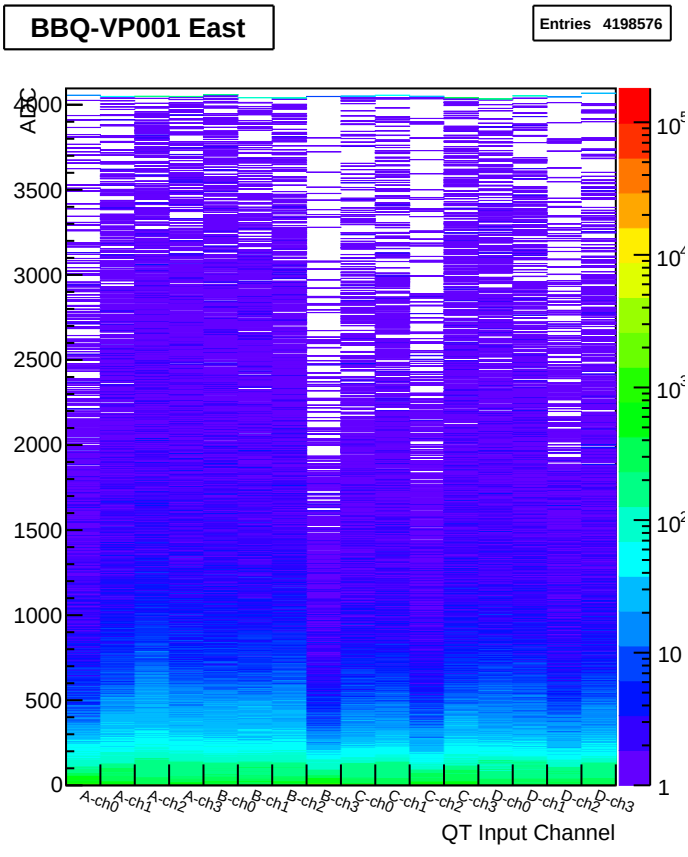

BBQ-BB001 (BBC east small tiles TAC)
Entries 4198576
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

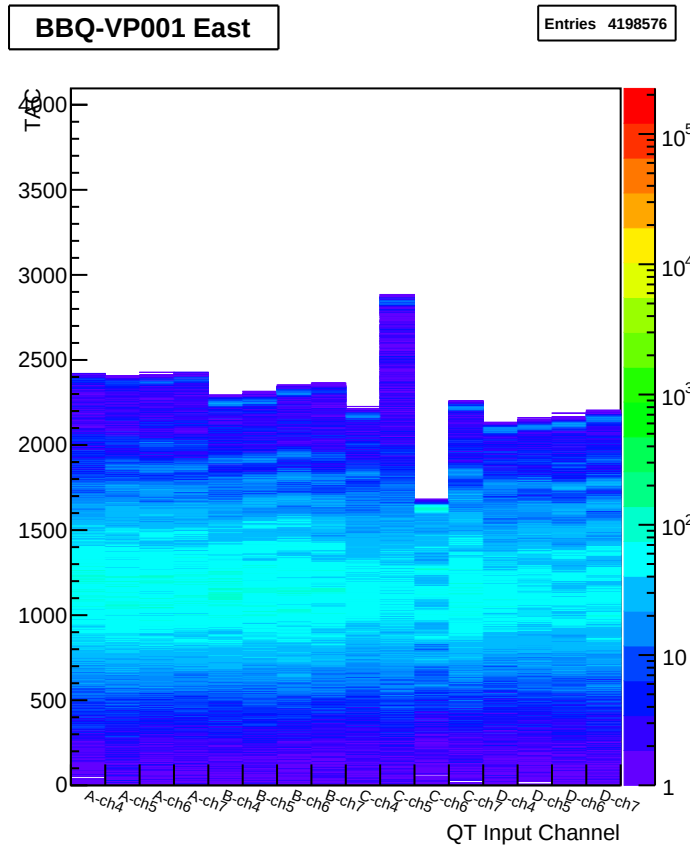

BBQ-BB002 (BBC west small tiles ADC)
Entries 4198576
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

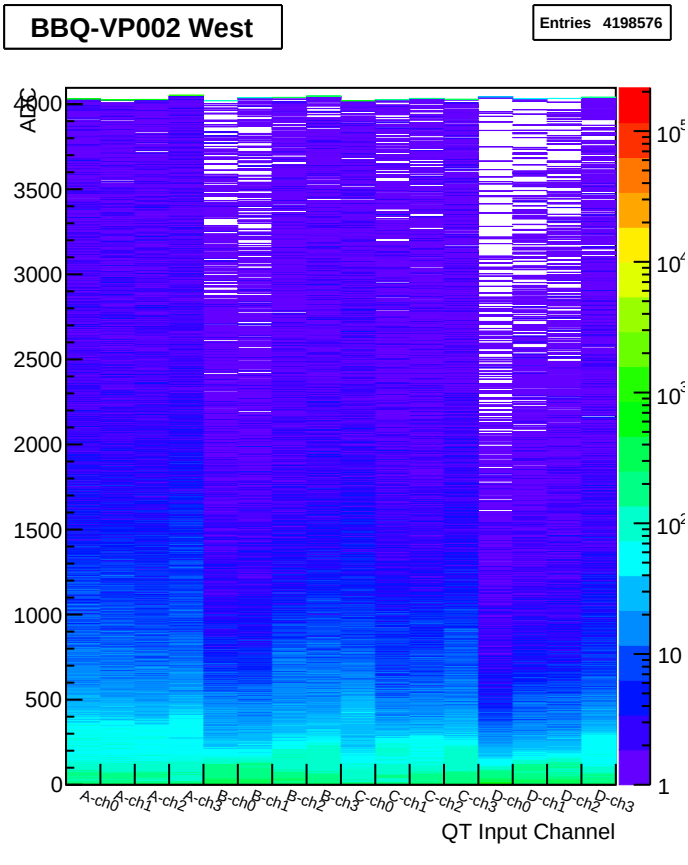

BBQ-BB002 (BBC west small tiles TAC)
Entries 4198576
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

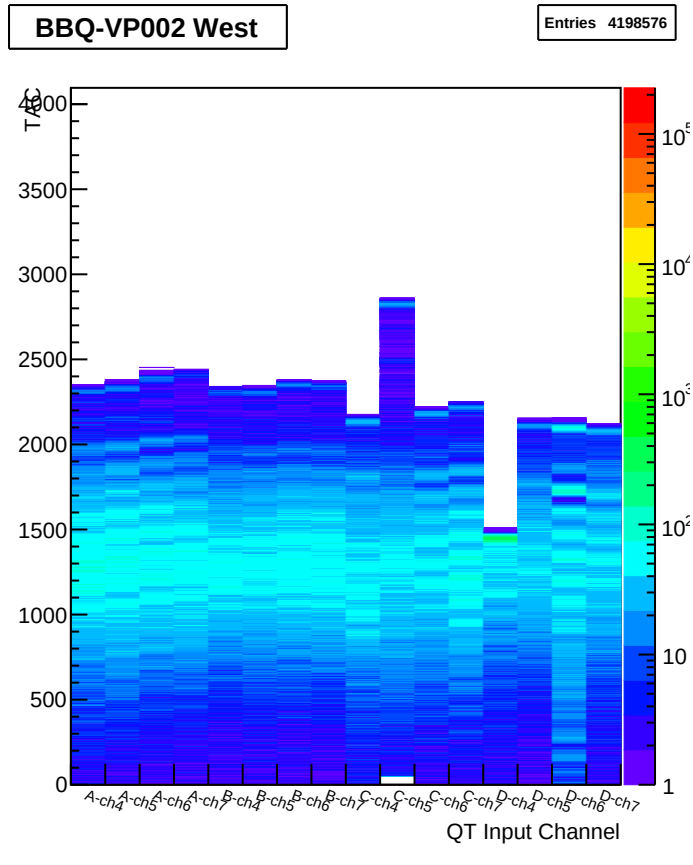

BBQ-ZD001 (ZDC TOWER)
Entries 4198576
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

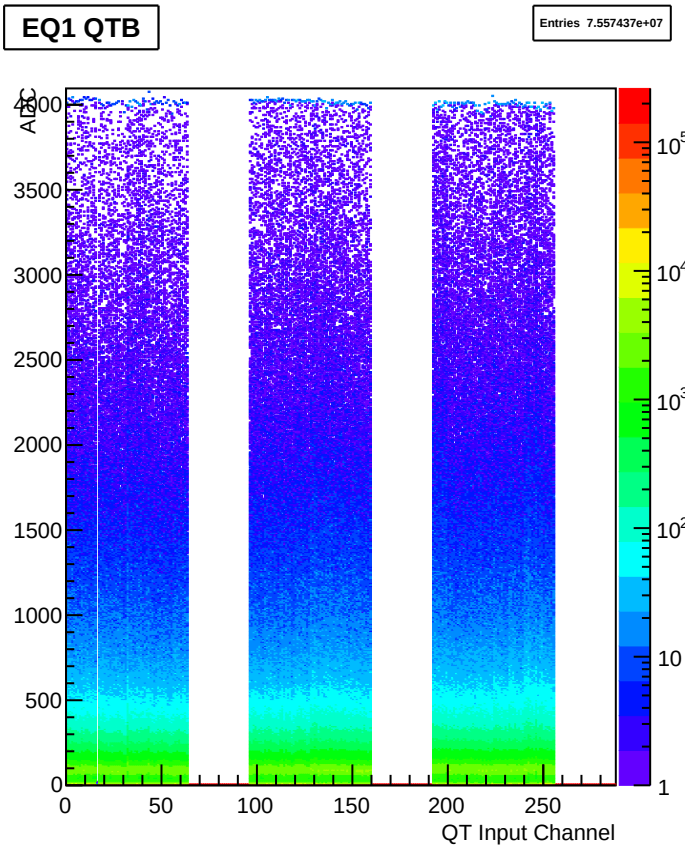

BBQ-ZD001 (ZDC TOWER)
Entries 4198576
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

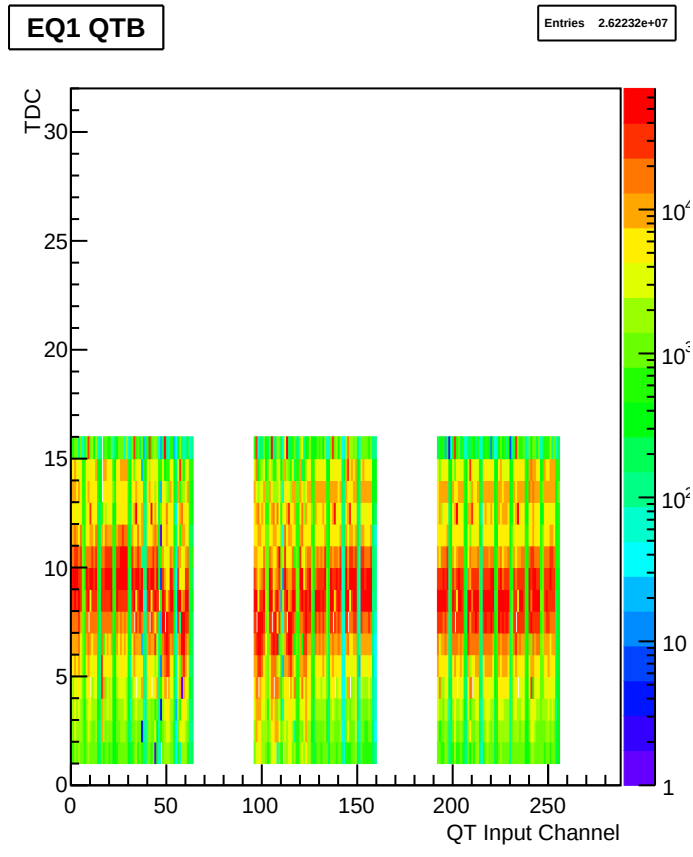

BBQ-VP001 East
Entries 4198576
ADC
QT Input Channel

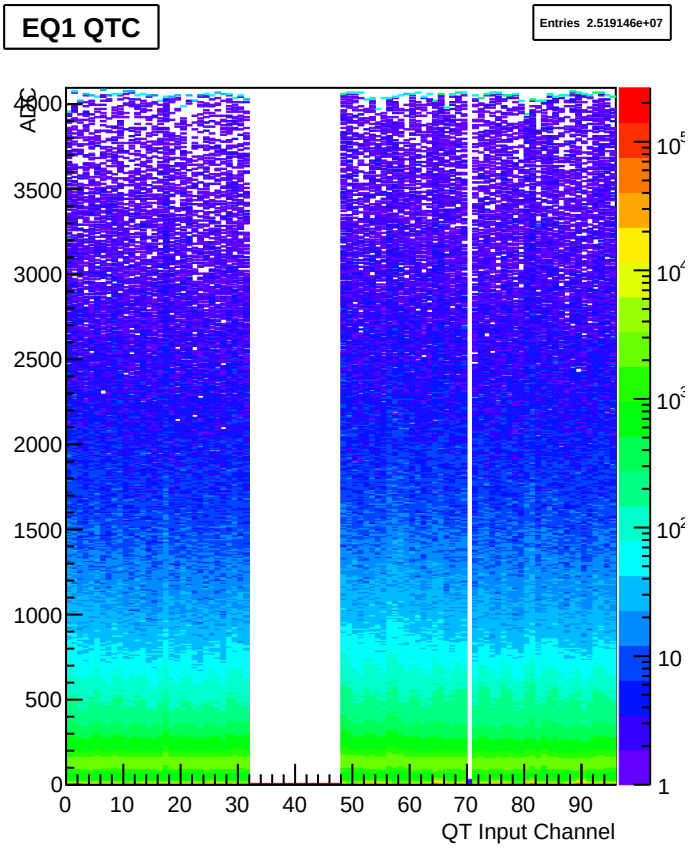

BBQ-VP001 East
Entries 4198576
ADC
QT Input Channel

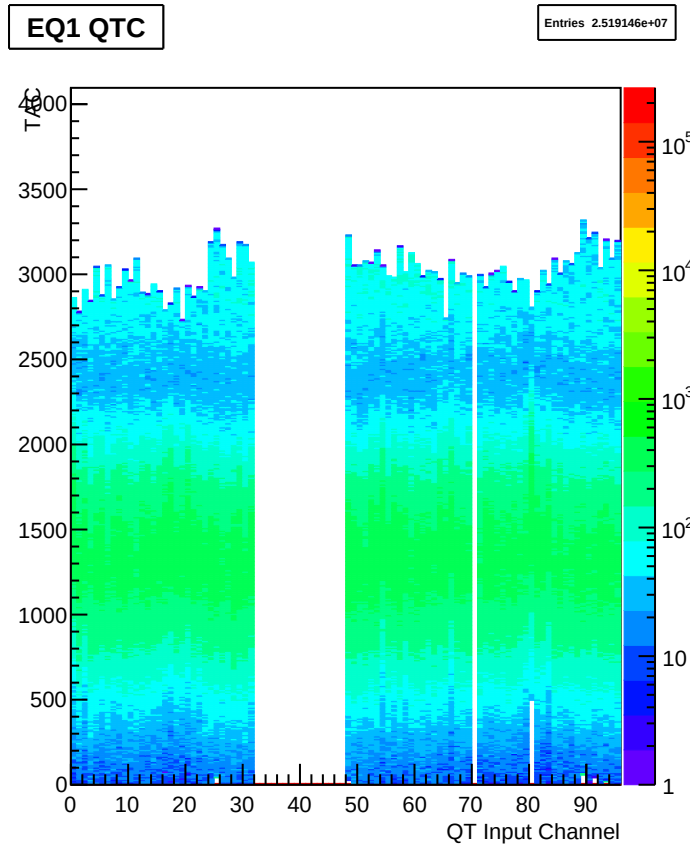

BBQ-VP002 West
Entries 4198576
ADC
QT Input Channel

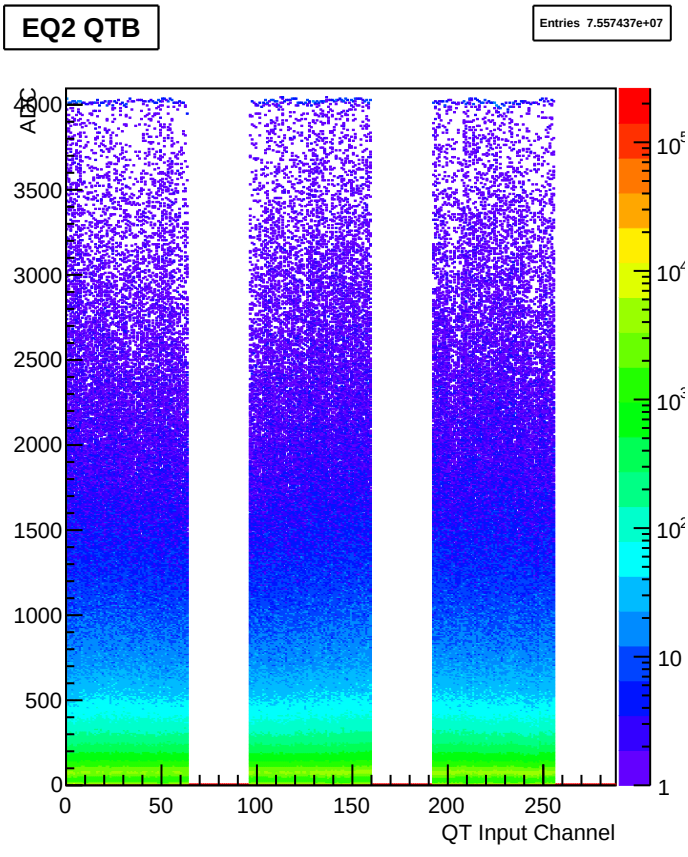

BBQ-VP002 West
Entries 4198576
ADC
QT Input Channel

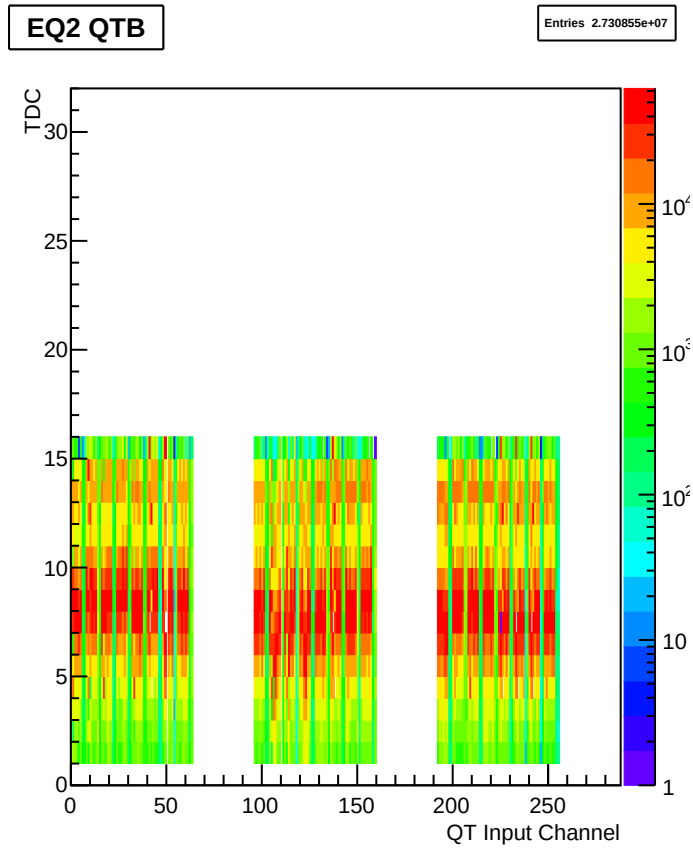

EQ1 QTB
Entries 7.557437e+07
ADC
QT Input Channel

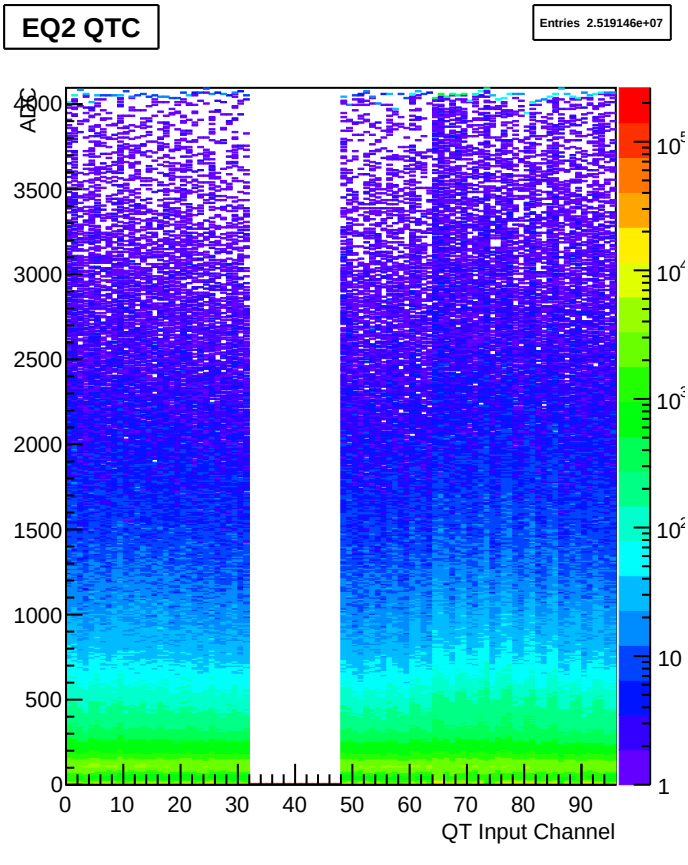

EQ1 QTB
Entries 2.62232e+07
TDC
QT Input Channel

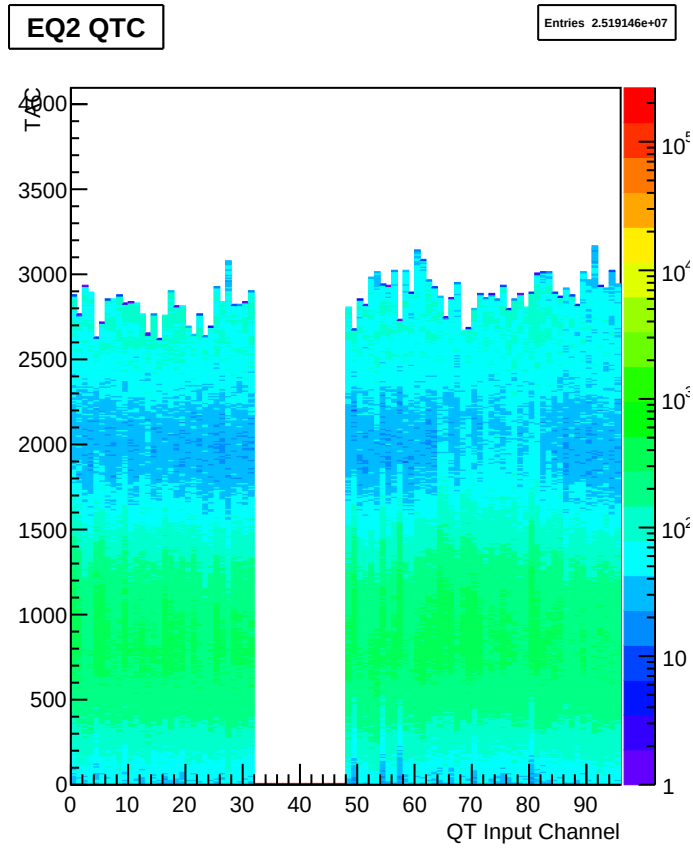

EQ1 QTC
Entries 2.519146e+07
ADC
QT Input Channel

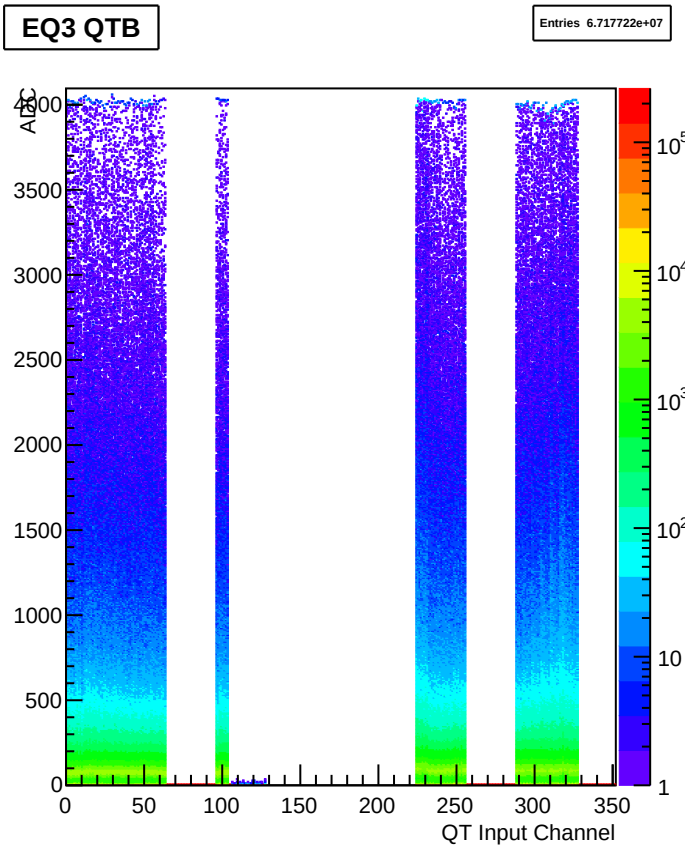

EQ1 QTC
Entries 2.519146e+07
TADC
QT Input Channel

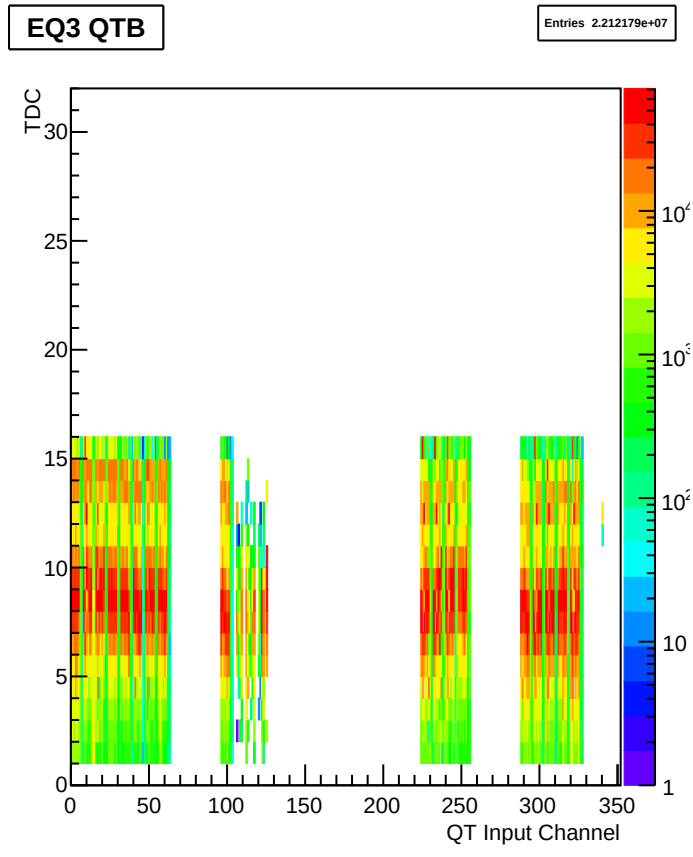

EQ2 QTB
Entries 7.557437e+07
ADC
QT Input Channel

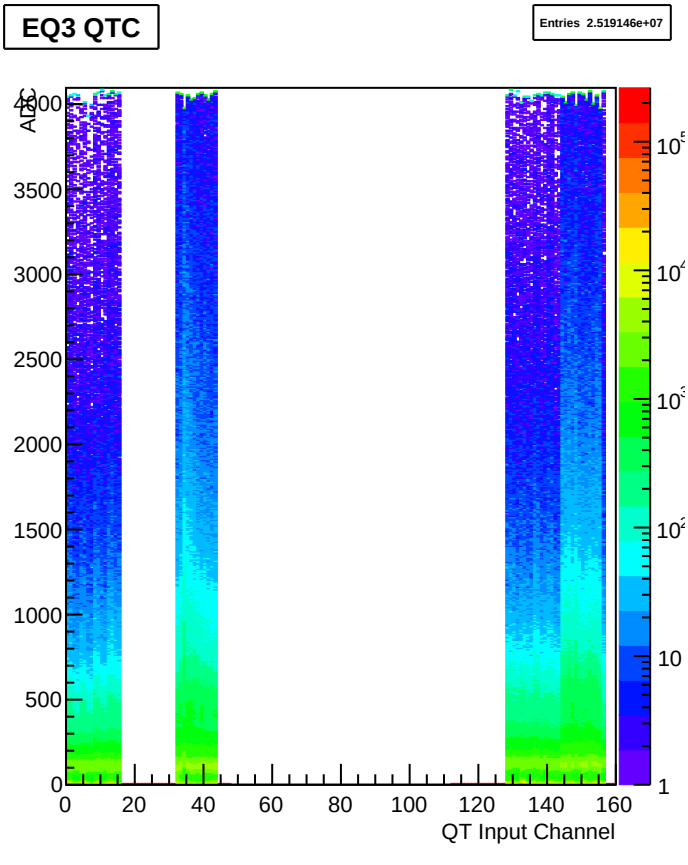

EQ2 QTB
Entries 2.730855e+07
TDC
QT Input Channel

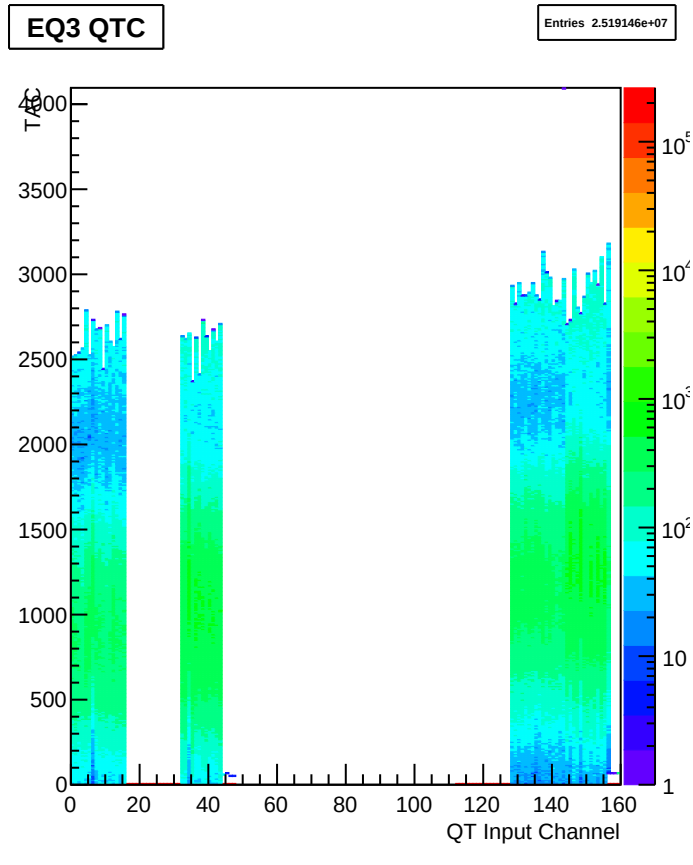

EQ2 QTC
Entries 2.519146e+07
ADC
QT Input Channel

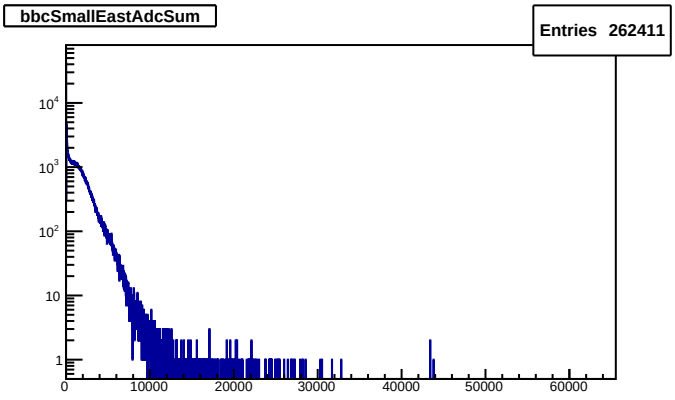

EQ2 QTC
Entries 2.519146e+07
TADC
QT Input Channel

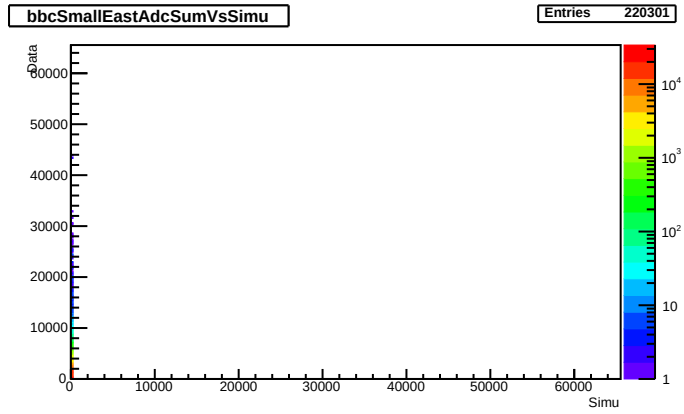

EQ3 QTB
Entries 6.717722e+07
ADC
QT Input Channel

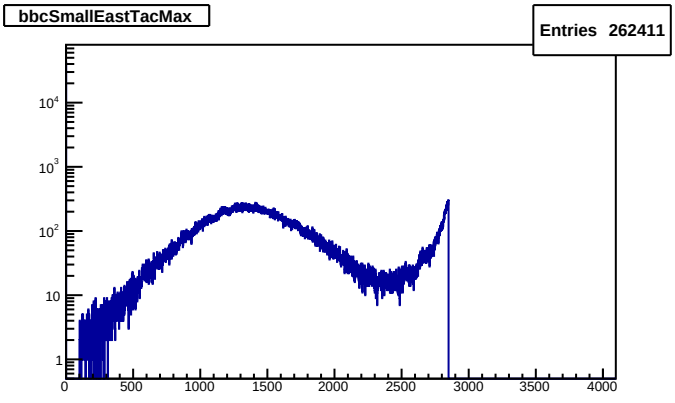

EQ3 QTB
Entries 2.212179e+07
TDC
QT Input Channel

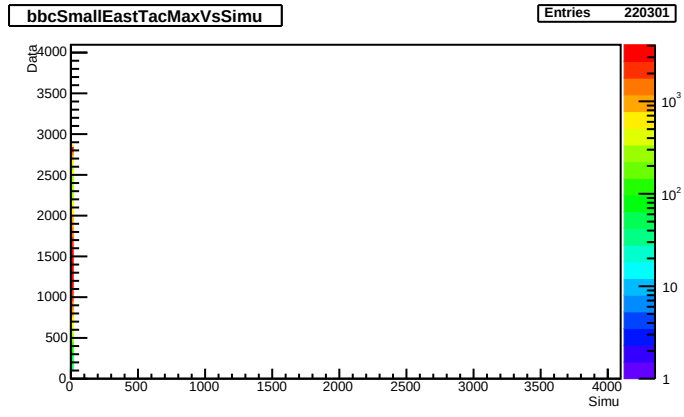

EQ3 QTC
Entries 2.519146e+07
ADC
QT Input Channel

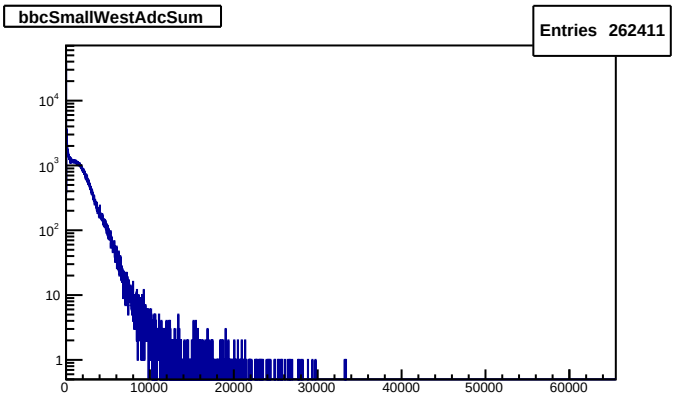

EQ3 QTC
Entries 2.519146e+07
TADC
QT Input Channel

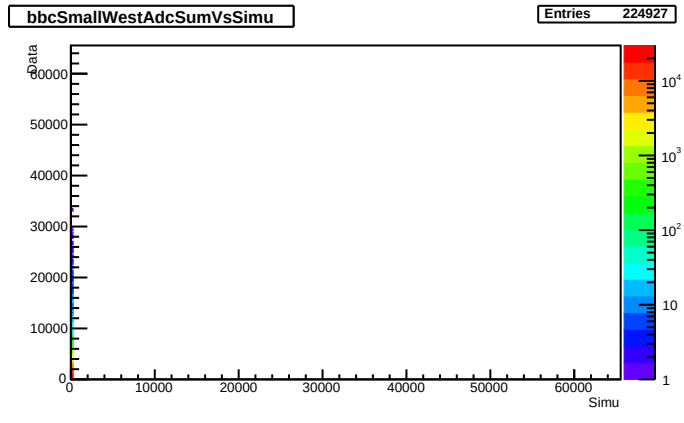

bbcSmallEastAdcSum
Entries 262411

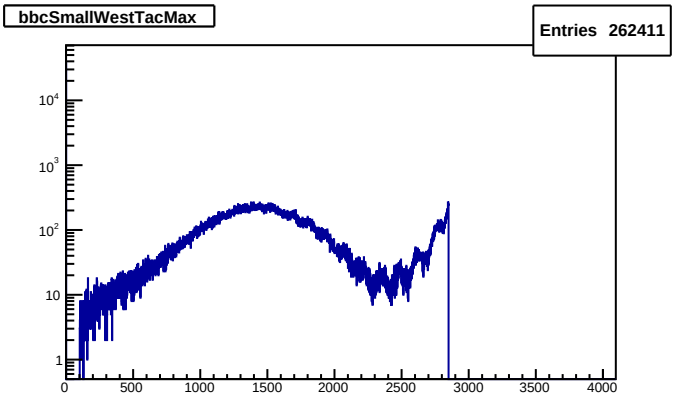

bbcSmallEastAdcSumVsSimu
Entries 220301
Data
Simu

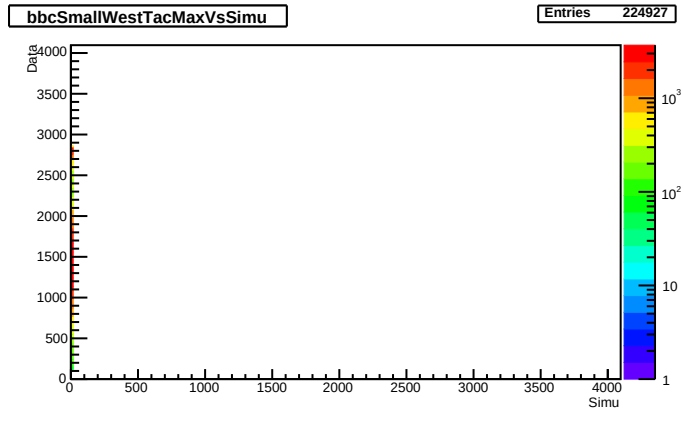

bbcSmallEastTacMax
Entries 262411

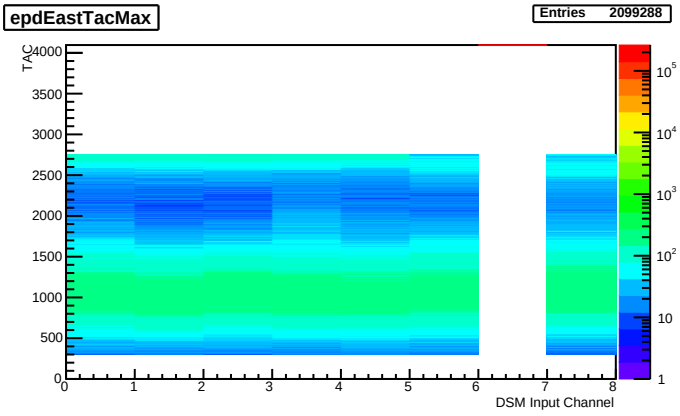

bbcSmallEastTacMaxVsSimu
Entries 220301
Data
Simu

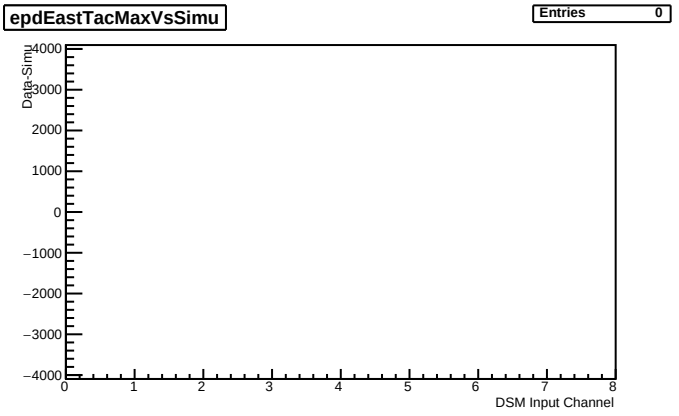

bbcSmallWestAdcSum
Entries 262411

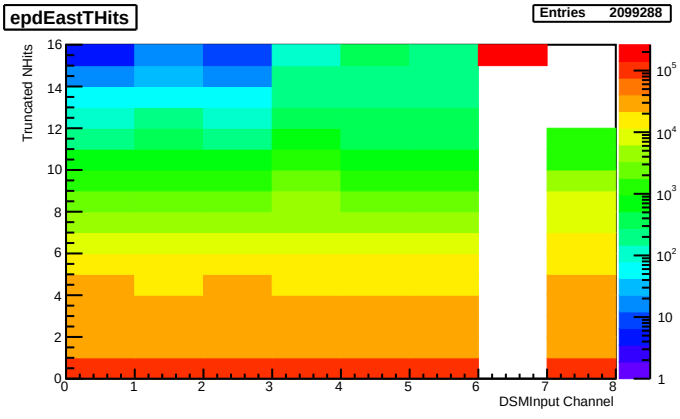

bbcSmallWestAdcSumVsSimu
Entries 224927
Data
Simu

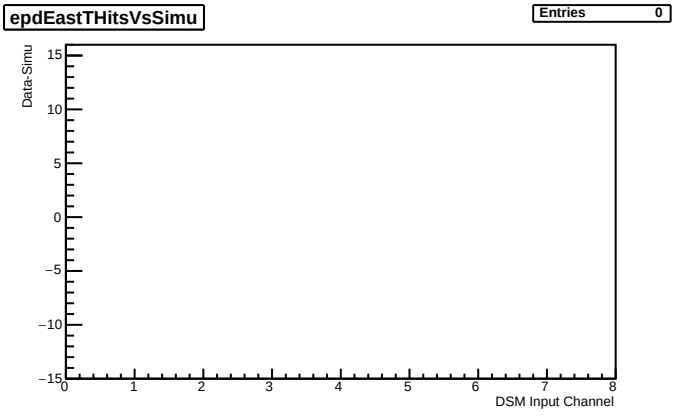

bbcSmallWestTacMax
Entries 262411


bbcSmallWestTacMaxVsSimu
Entries 224927
Data
Simu


epdEastTacMax
Entries 2099288
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2099288
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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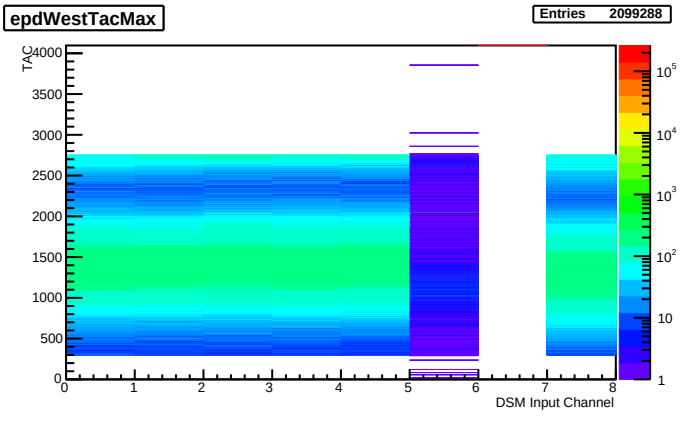
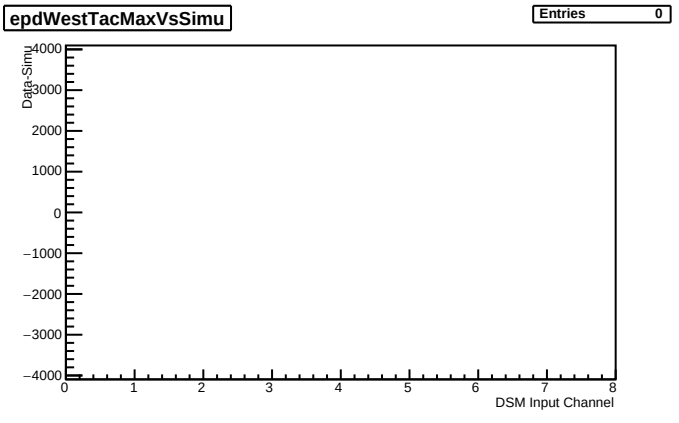
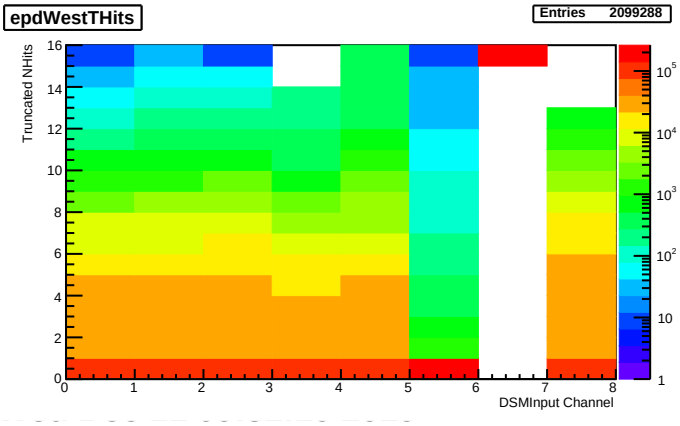
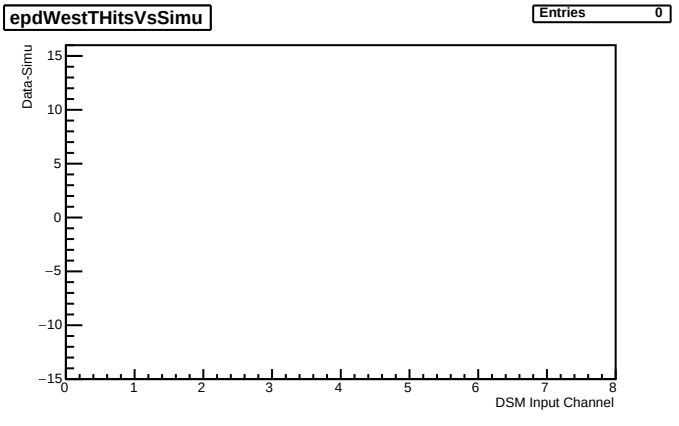
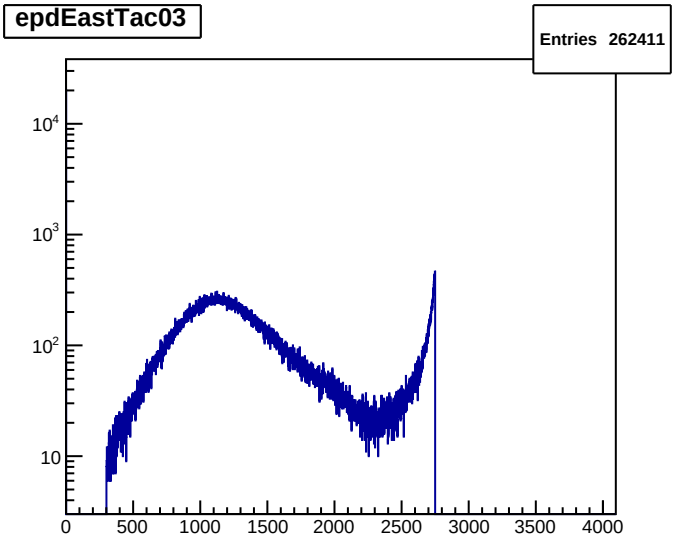
Data-Simu
DSM Input Channel

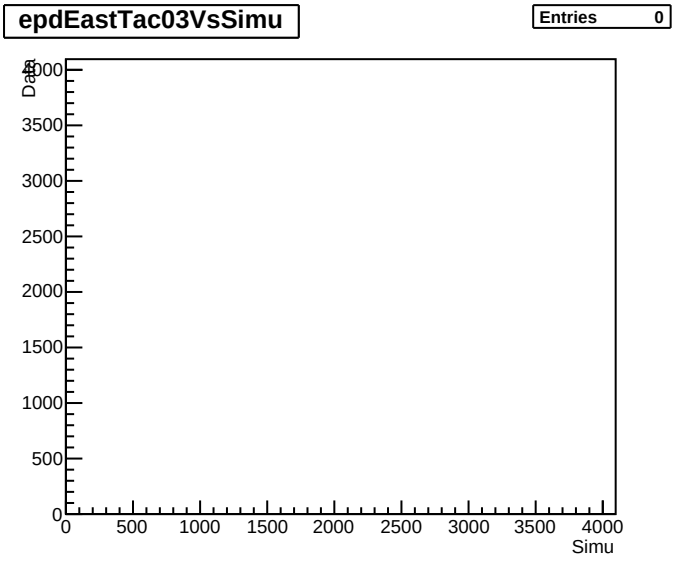

epdWestTacMax
Entries 2099288
TAC
DSM Input Channel

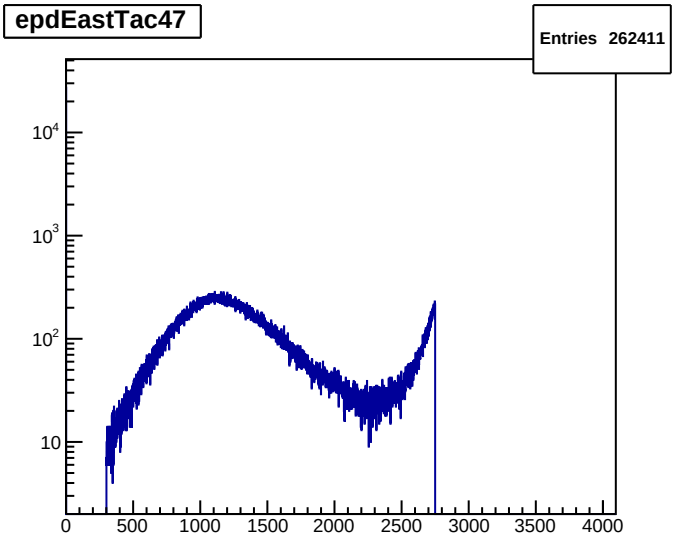

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

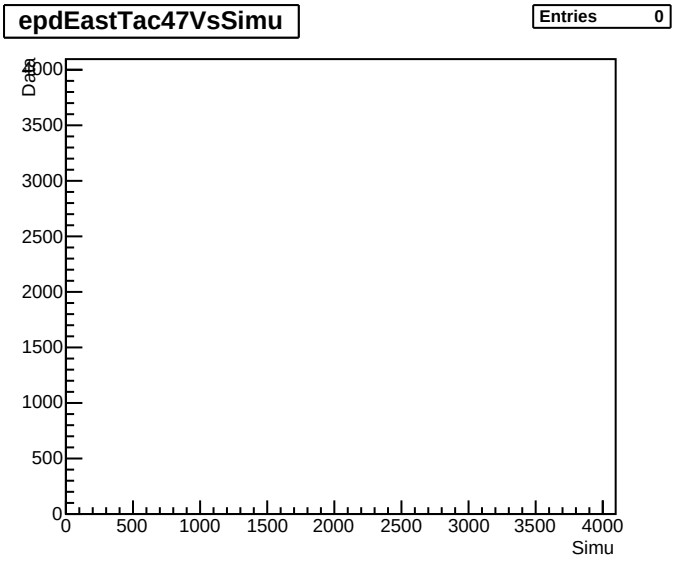

epdWestTHits
Entries 2099288
Truncated NHits
DSMInput Channel

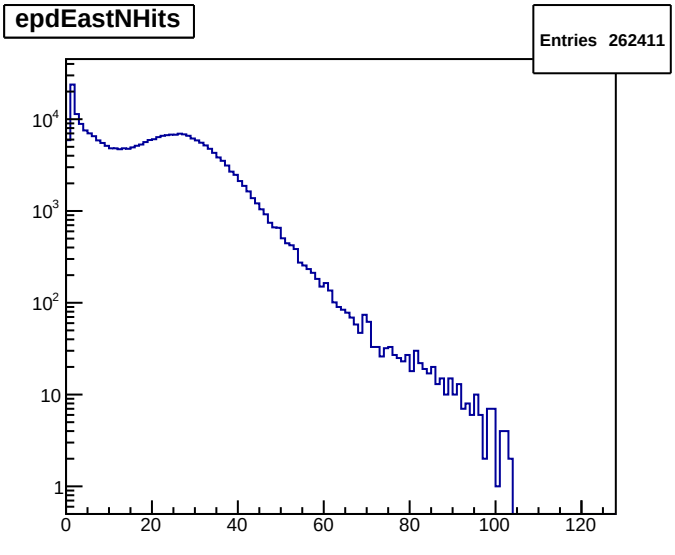

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

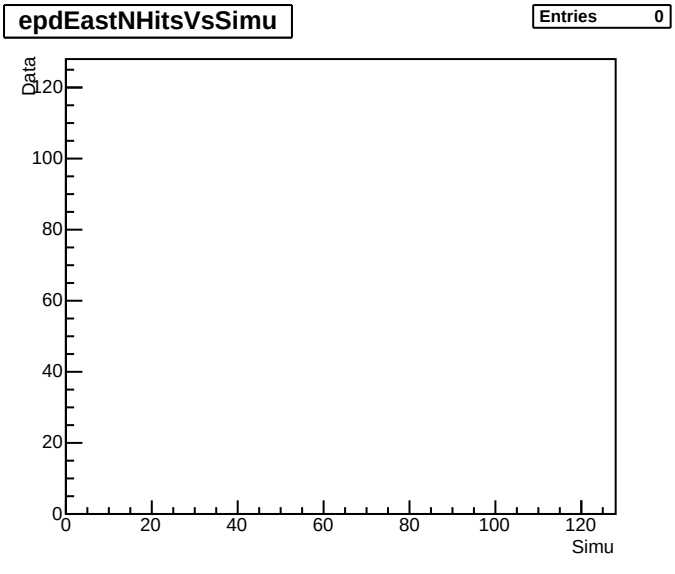

epdEastTac03
Entries 262411
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

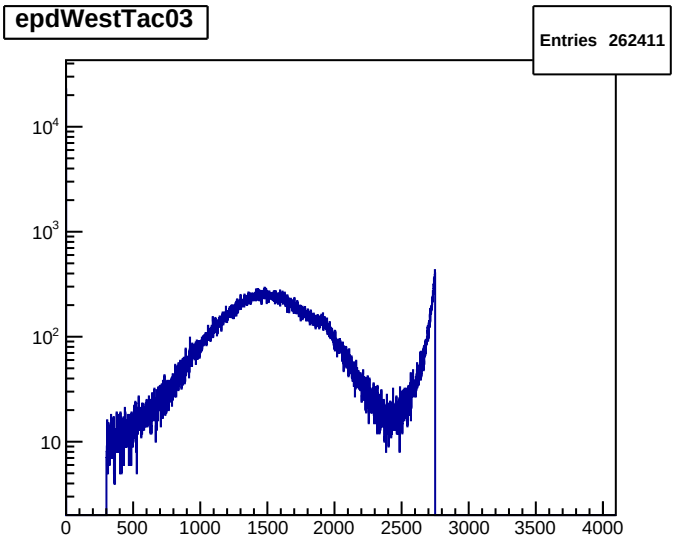

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

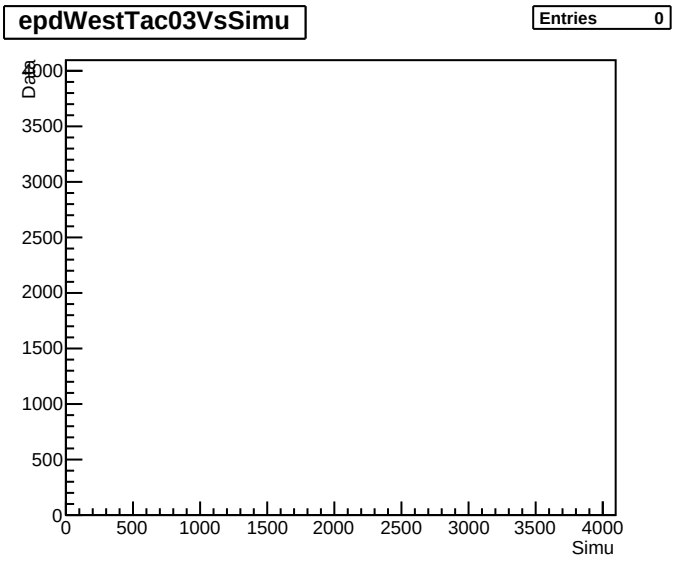

epdEastTac47
Entries 262411
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 262411
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 262411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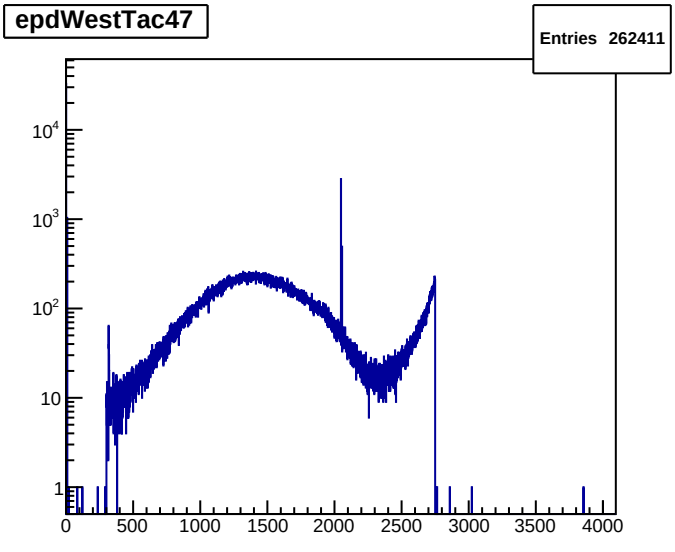
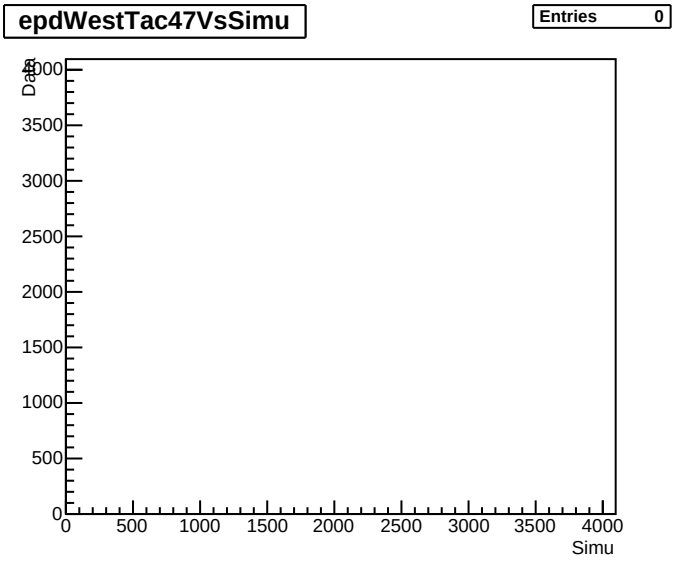
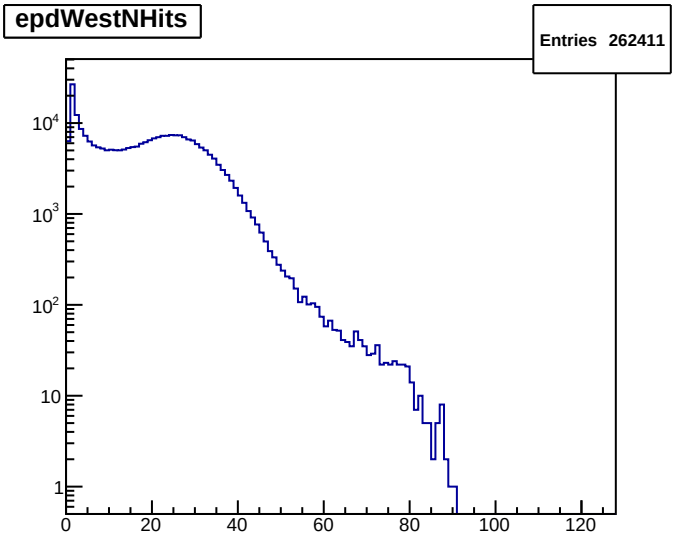
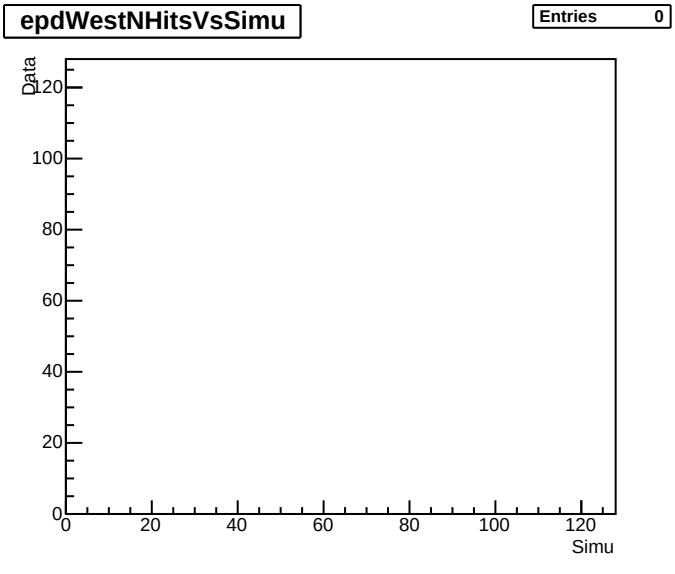
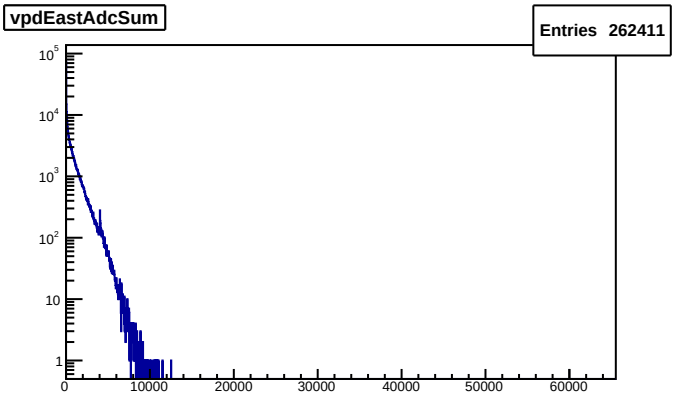
Entries 0
Data
Simu

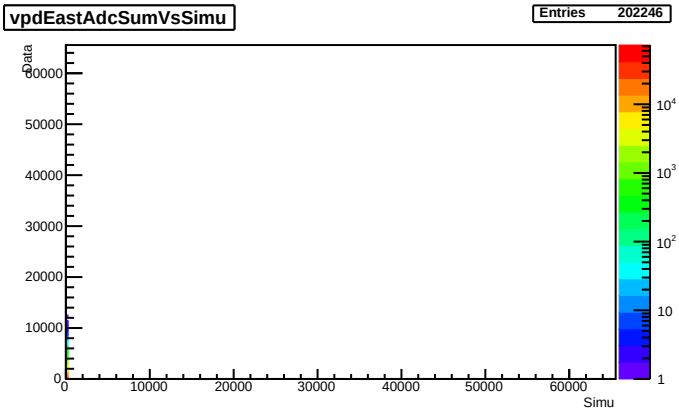

epdWestTac47
Entries 262411

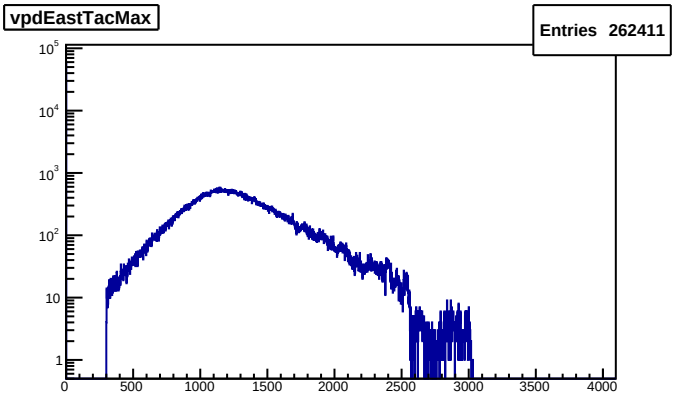

epdWestTac47VsSimu
Entries 0
Data
Simu

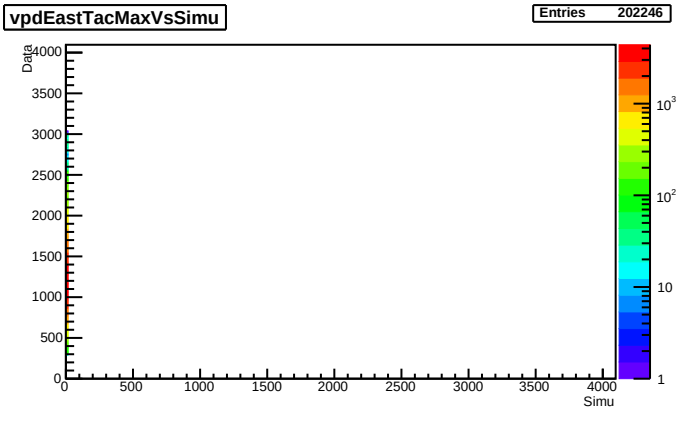

epdWestNHits
Entries 262411

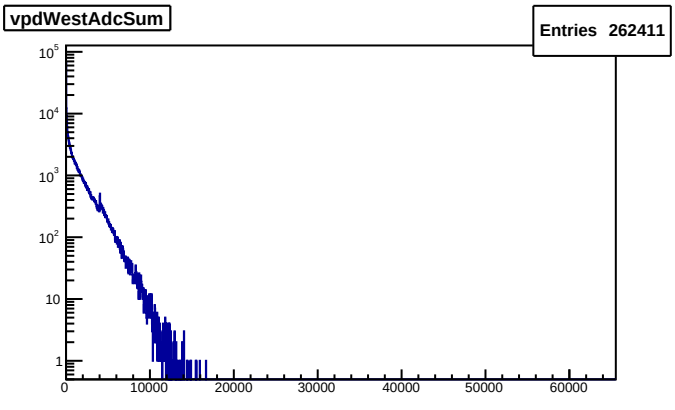

epdWestNHitsVsSimu
Entries 0
Data
Simu

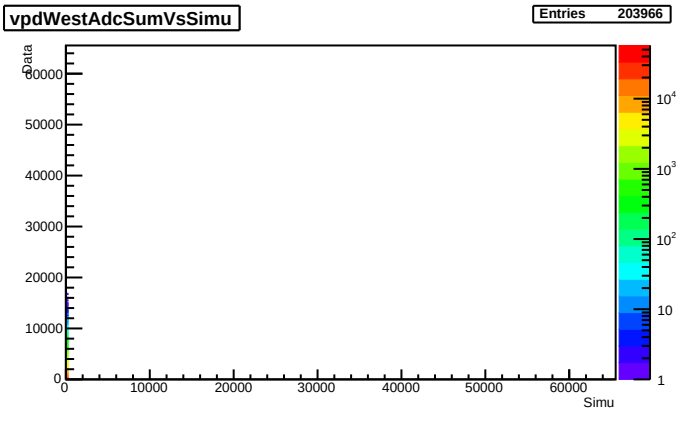

vpdEastAdcSum
Entries 262411

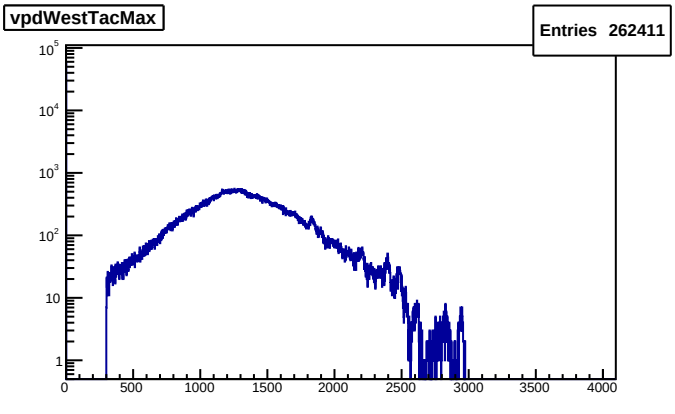

vpdEastAdcSumVsSimu
Entries 202246
Data
Simu

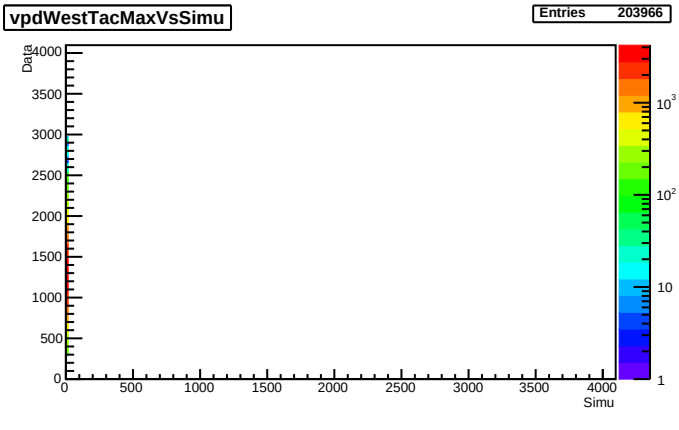

vpdEastTacMax
Entries 262411

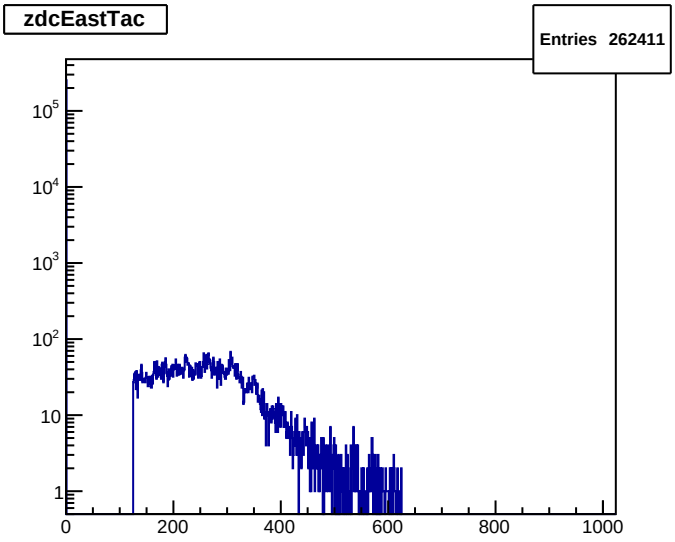

vpdEastTacMaxVsSimu
Entries 202246
Data
Simu

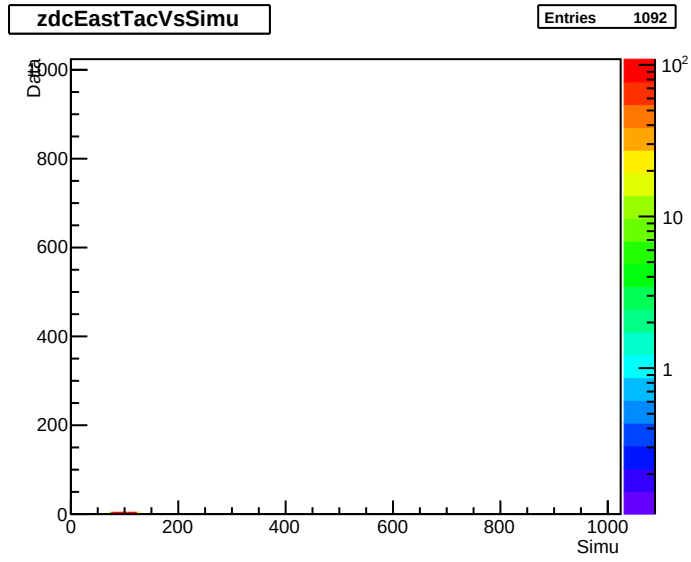

vpdWestAdcSum
Entries 262411

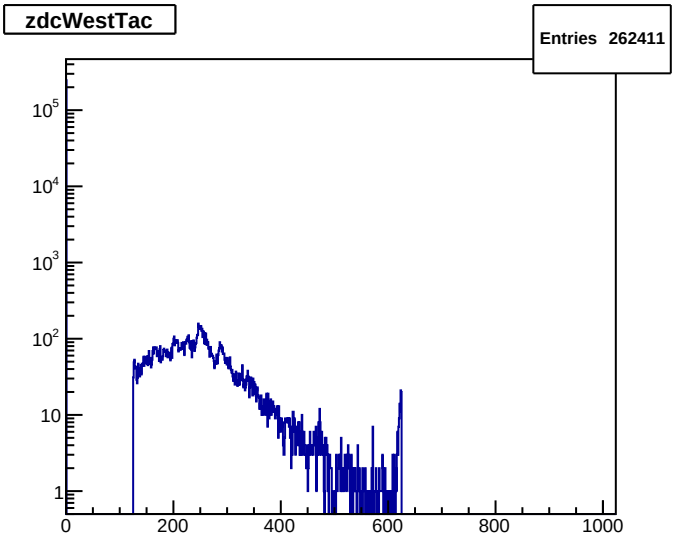

vpdWestAdcSumVsSimu
Entries 203966
Data
Simu

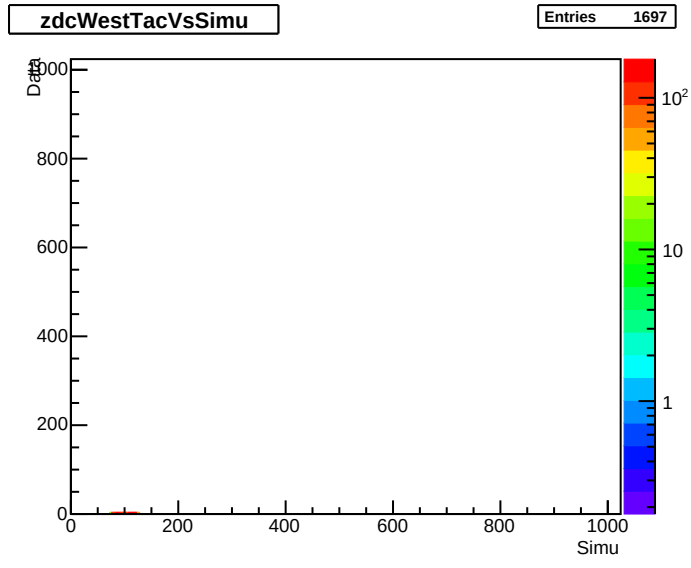

vpdWestTacMax
Entries 262411

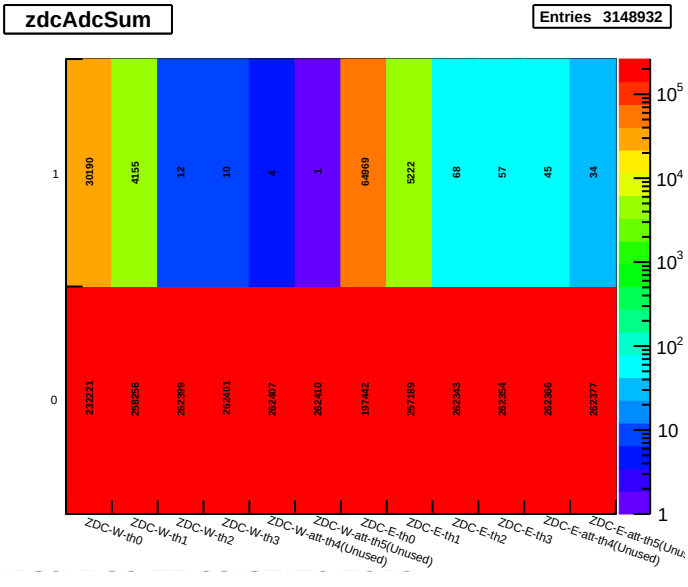

vpdWestTacMaxVsSimu
Entries 203966
Data
Simu

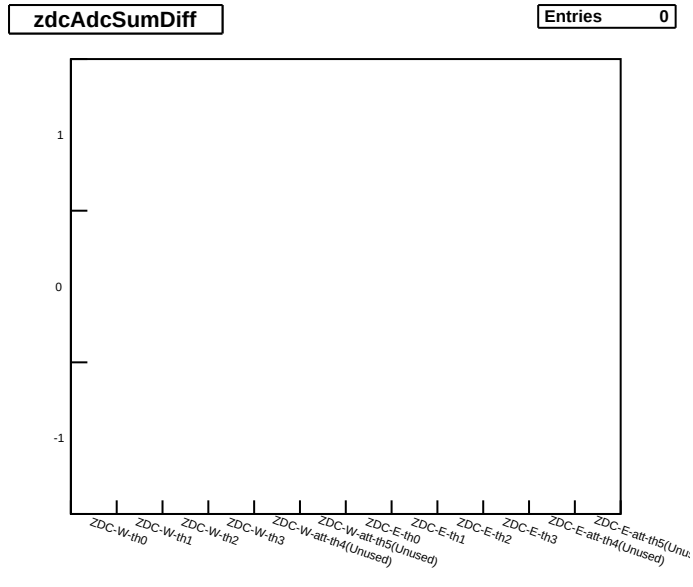

zdcEastTac
Entries 262411

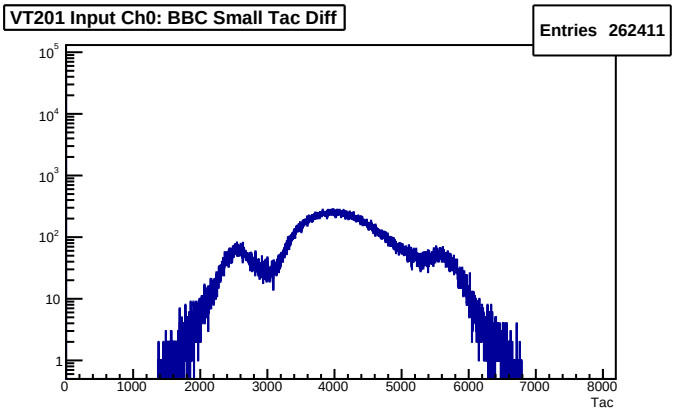

zdcEastTacVsSimu
Entries 1092
Data
Simu

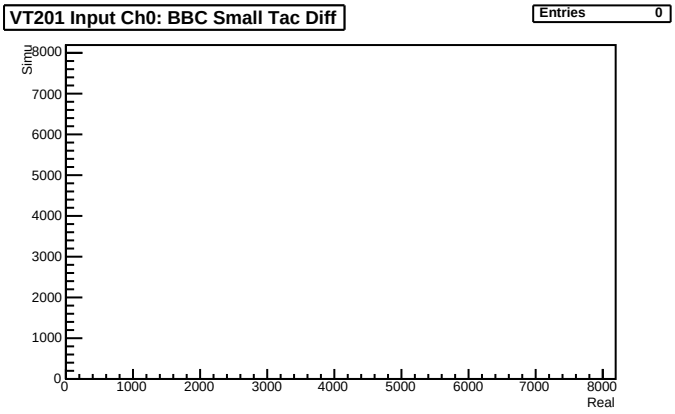

zdcWestTac
Entries 262411

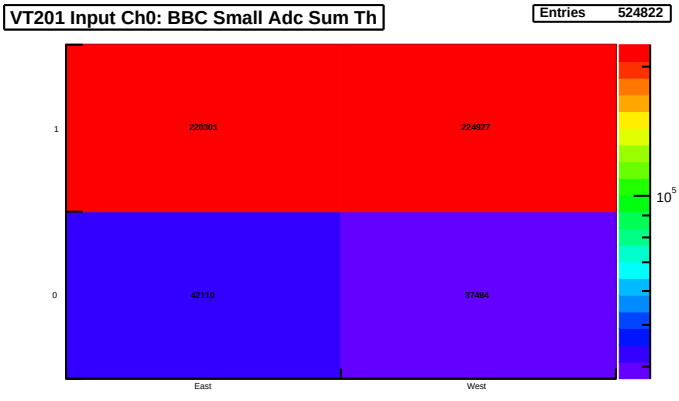

zdcWestTacVsSimu
Entries 1697
Data
Simu

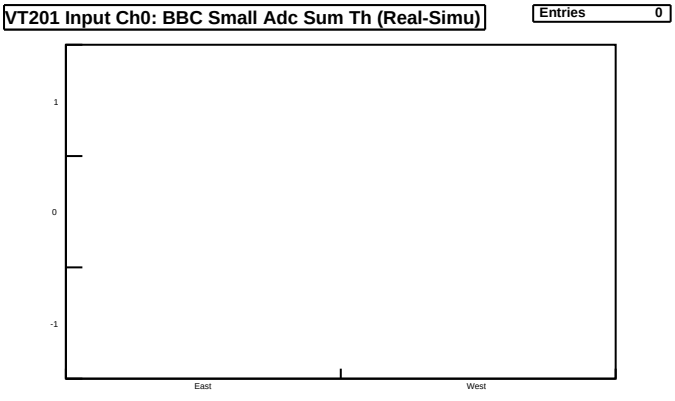

zdcAdcSum
Entries 3148932
30190
4155
12
10
4
1
64869
5222
68
57
45
34
232221
258256
262399
262401
262407
262410
197442
257189
262343
262354
262366
262377
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

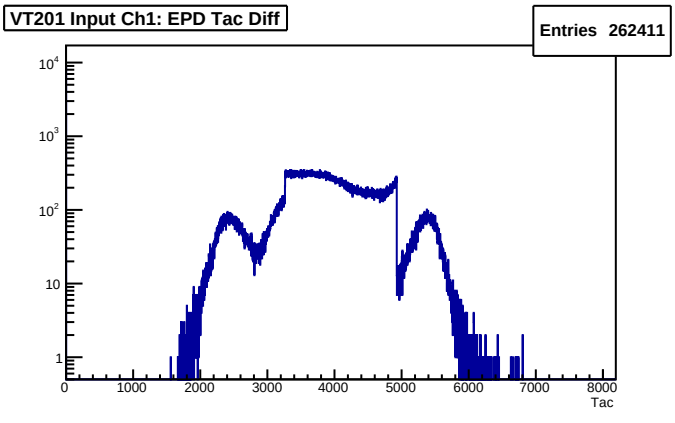

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

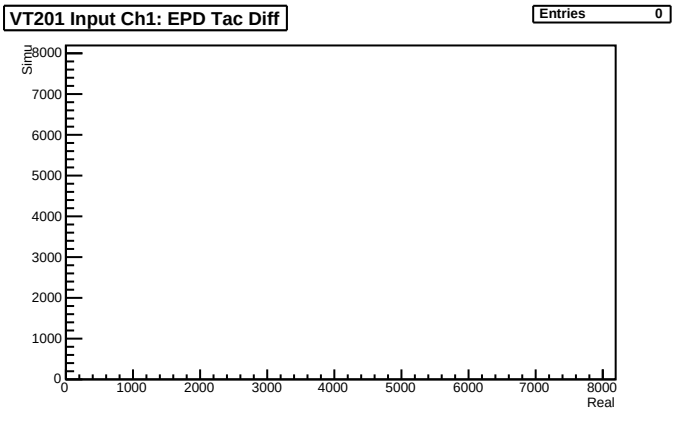

VT201 Input Ch0: BBC Small Tac Diff
Entries 262411
Tac

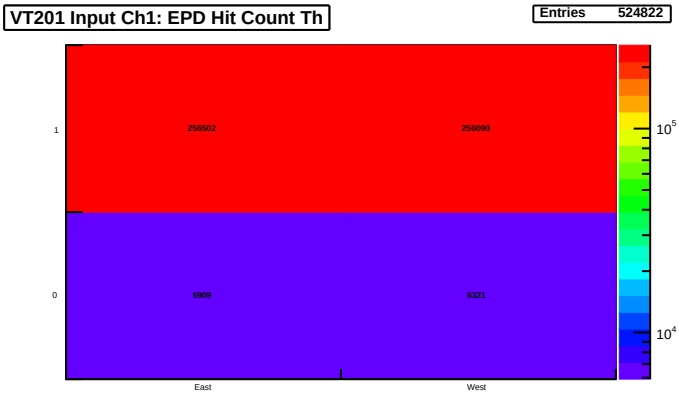

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

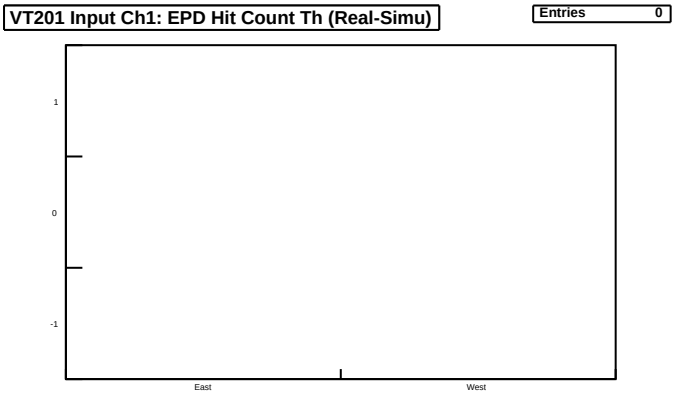

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 524822
220301
224927
42110
37484
East
West

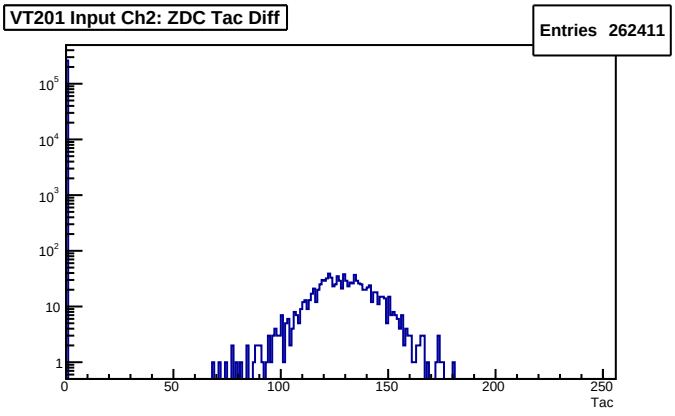

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

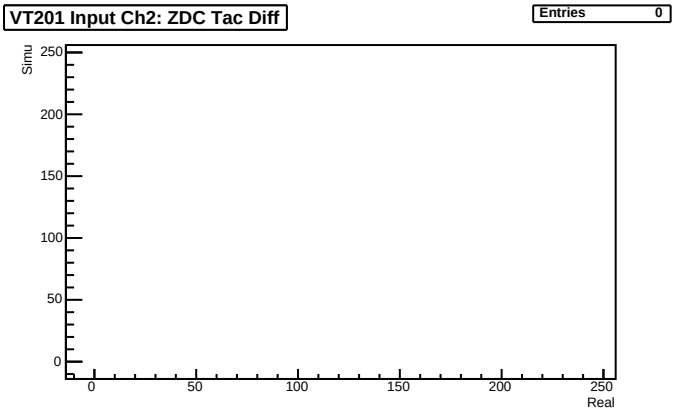

VT201 Input Ch1: EPD Tac Diff
Entries 262411
Tac

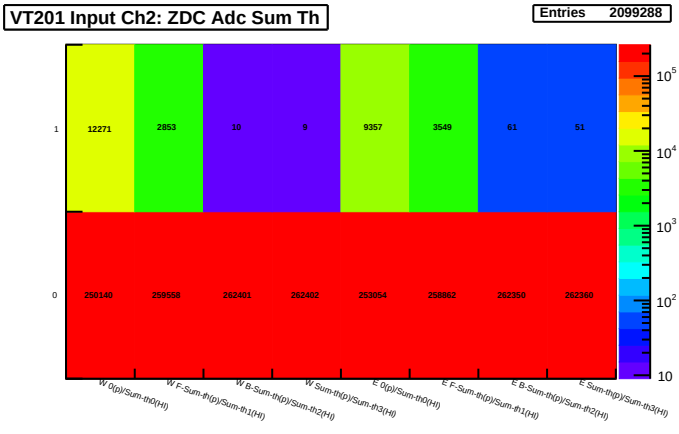

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

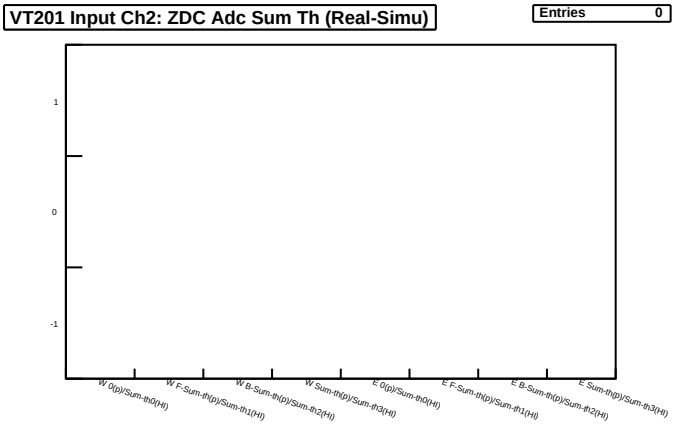

VT201 Input Ch1: EPD Hit Count Th
Entries 524822
256502
256090
5909
6321
East
West

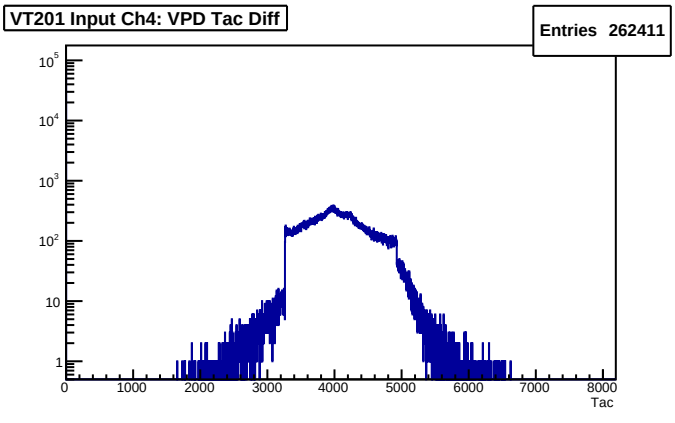

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

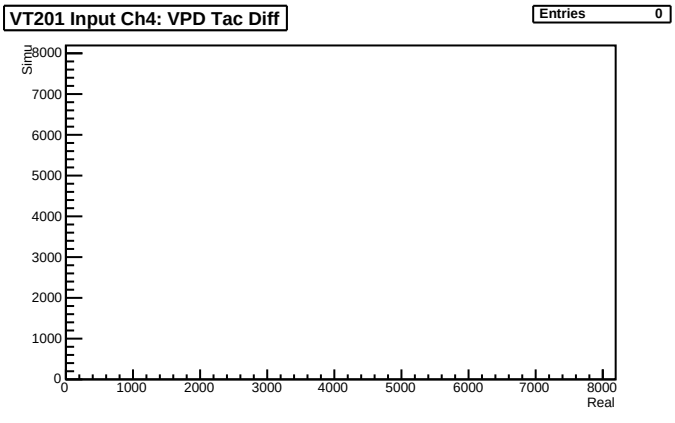

VT201 Input Ch2: ZDC Tac Diff
Entries 262411
Tac

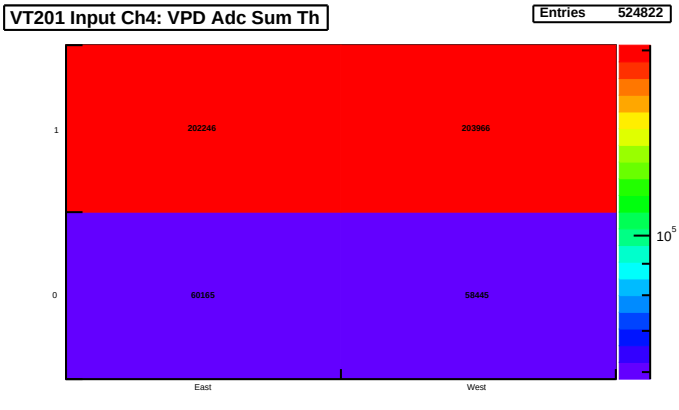

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

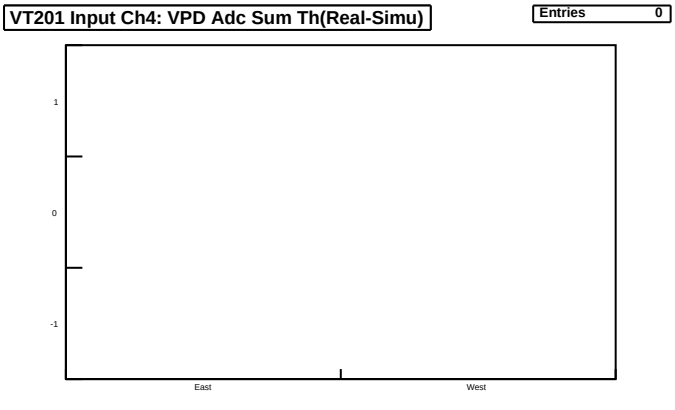

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2099288
12271
2853
10
9
9357
3549
61
51
250140
259558
262401
262402
253054
258862
262350
262360
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

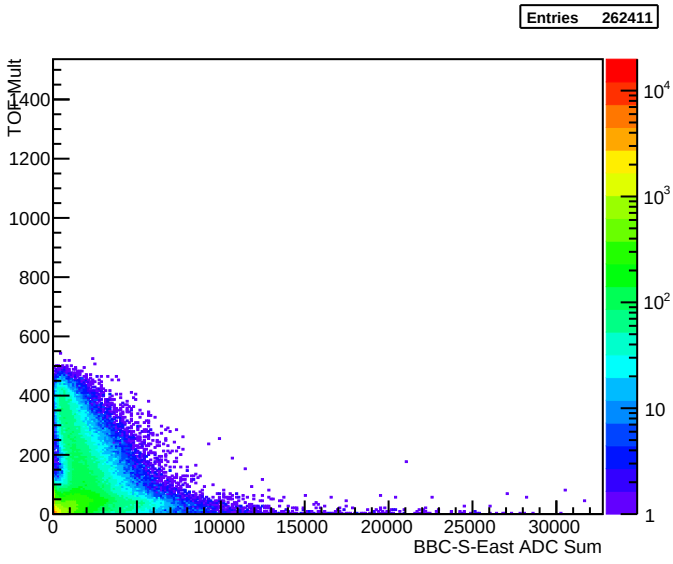

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hi)
W F-Sum-th(p)/Sum-th1(Hi)
W B-Sum-th(p)/Sum-th2(Hi)
W Sum-th(p)/Sum-th3(Hi)
E 0(p)/Sum-th0(Hi)
E F-Sum-th(p)/Sum-th1(Hi)
E B-Sum-th(p)/Sum-th2(Hi)
E Sum-th(p)/Sum-th3(Hi)

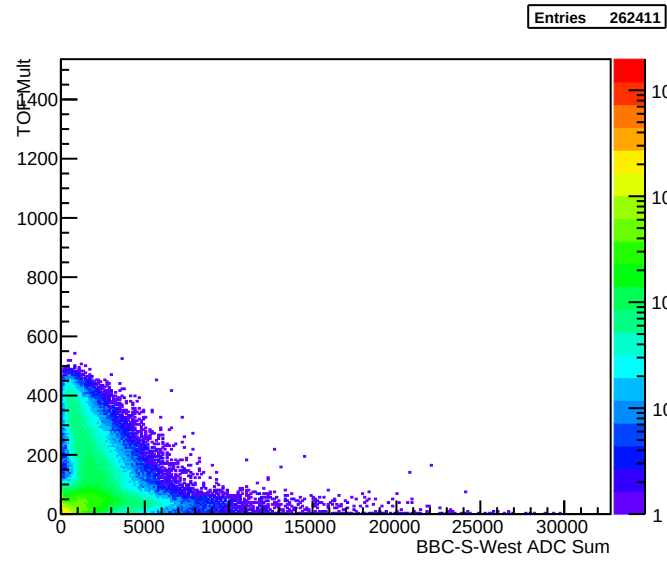

VT201 Input Ch4: VPD Tac Diff
Entries 262411
Tac

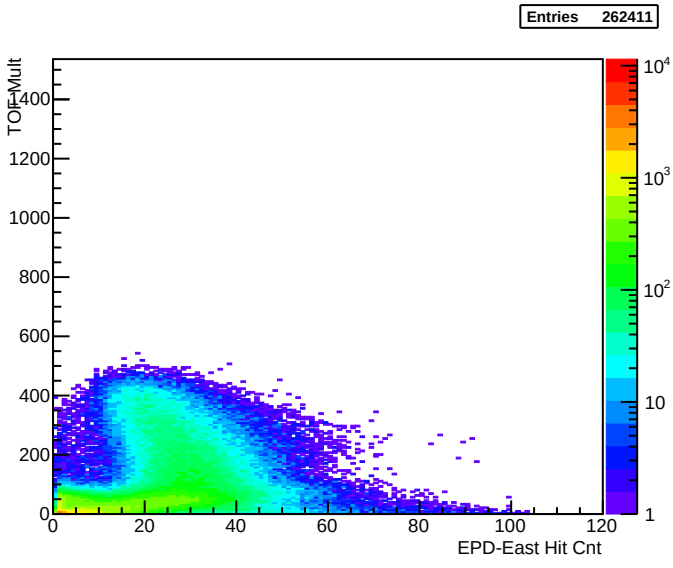

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

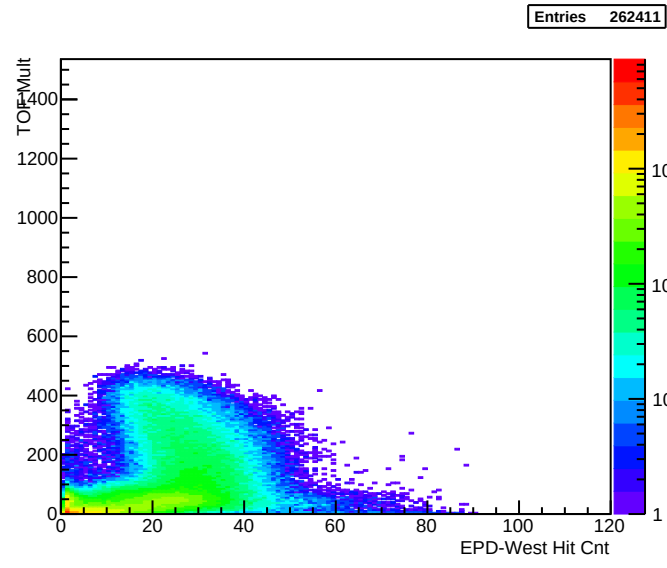

VT201 Input Ch4: VPD Adc Sum Th
Entries 524822
202246
203966
60165
58445
East
West

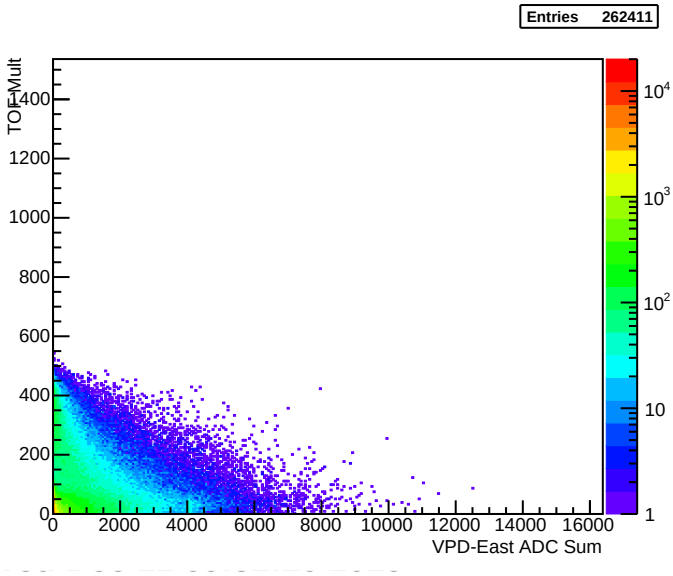

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

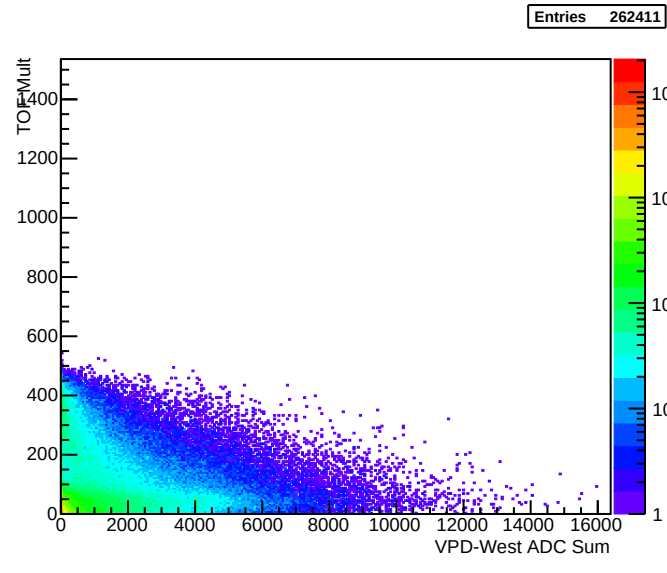

Entries 262411
TOF-Mult
BBC-S-East ADC Sum

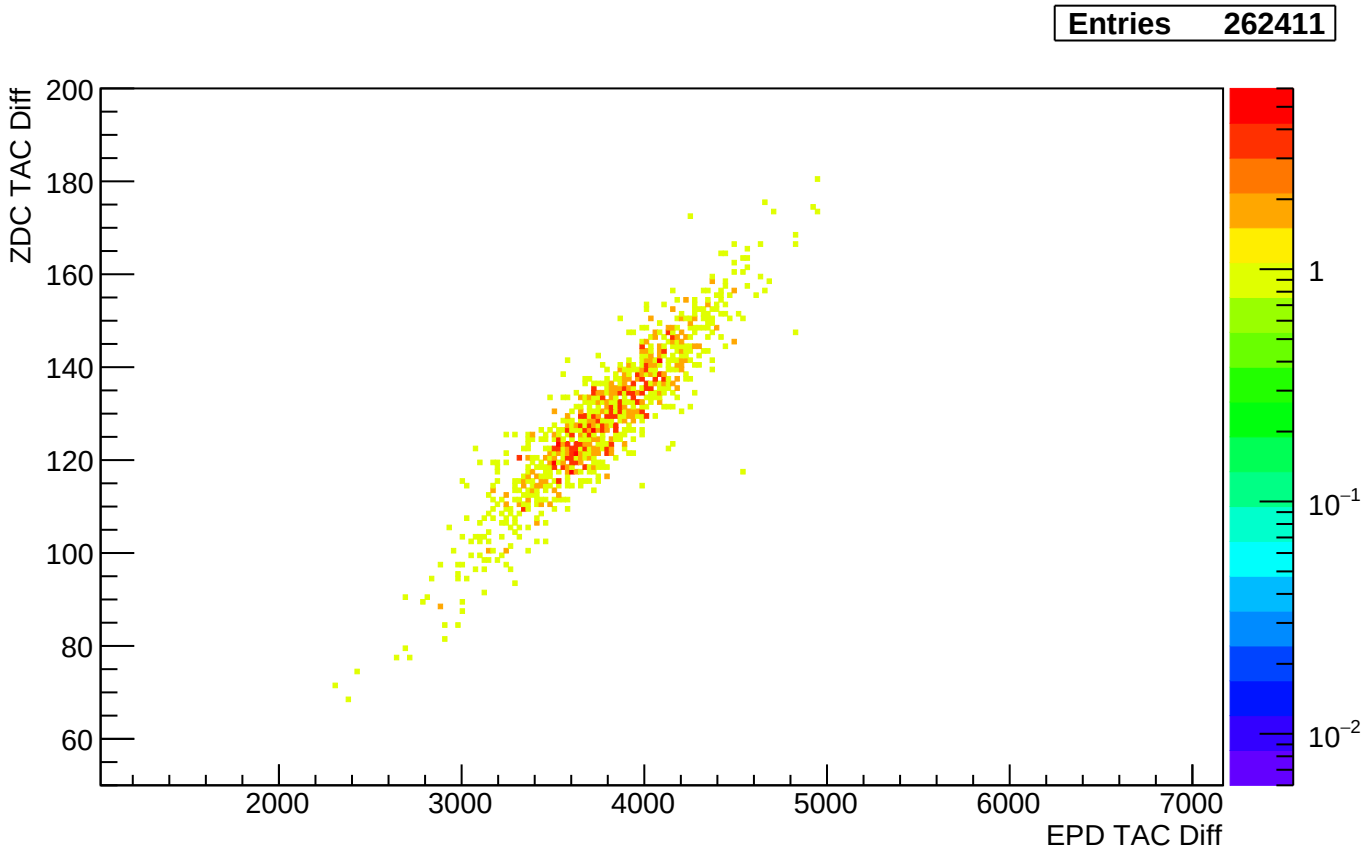

Entries 262411
TOF-Mult
BBC-S-West ADC Sum

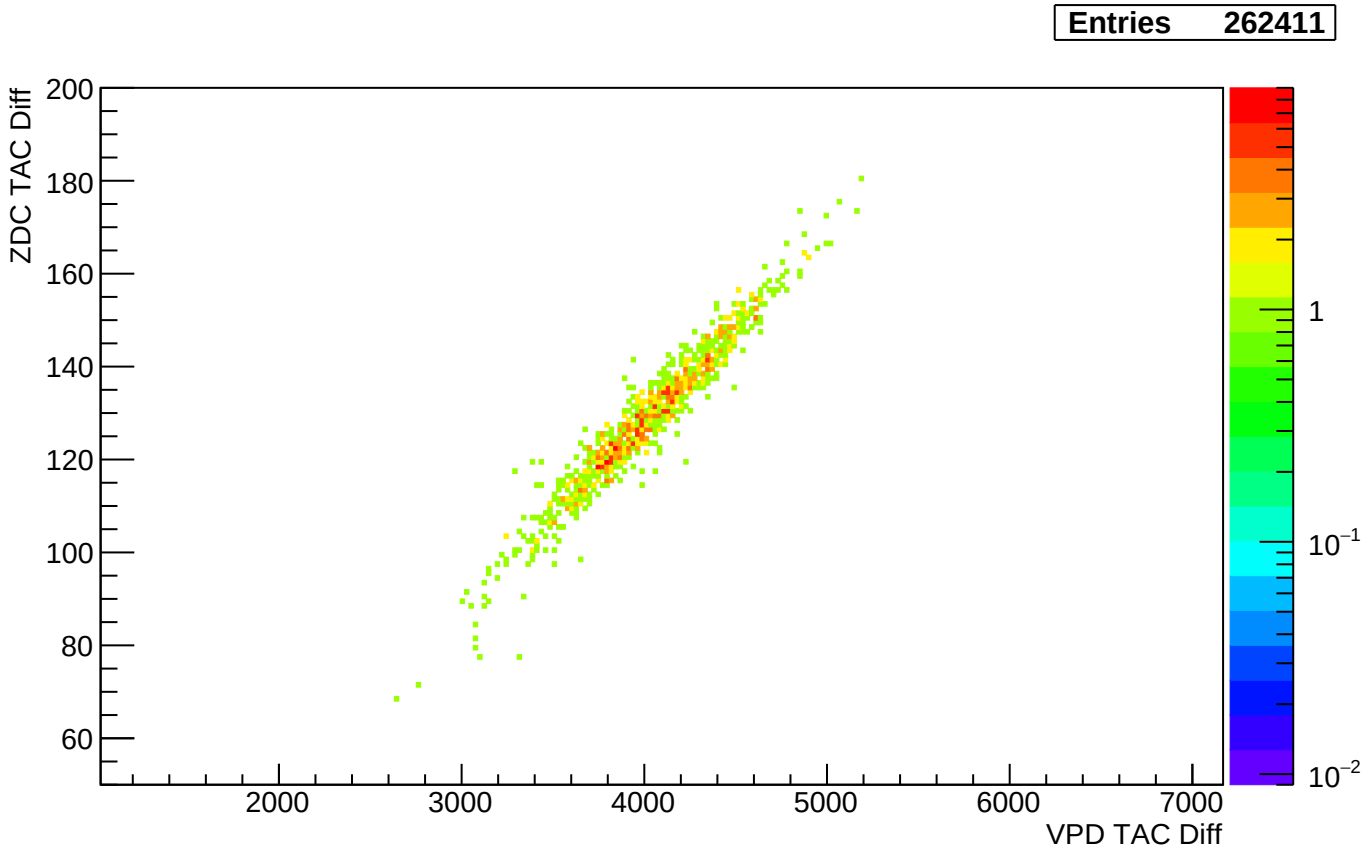

Entries 262411
TOF-Mult
EPD-East Hit Cnt

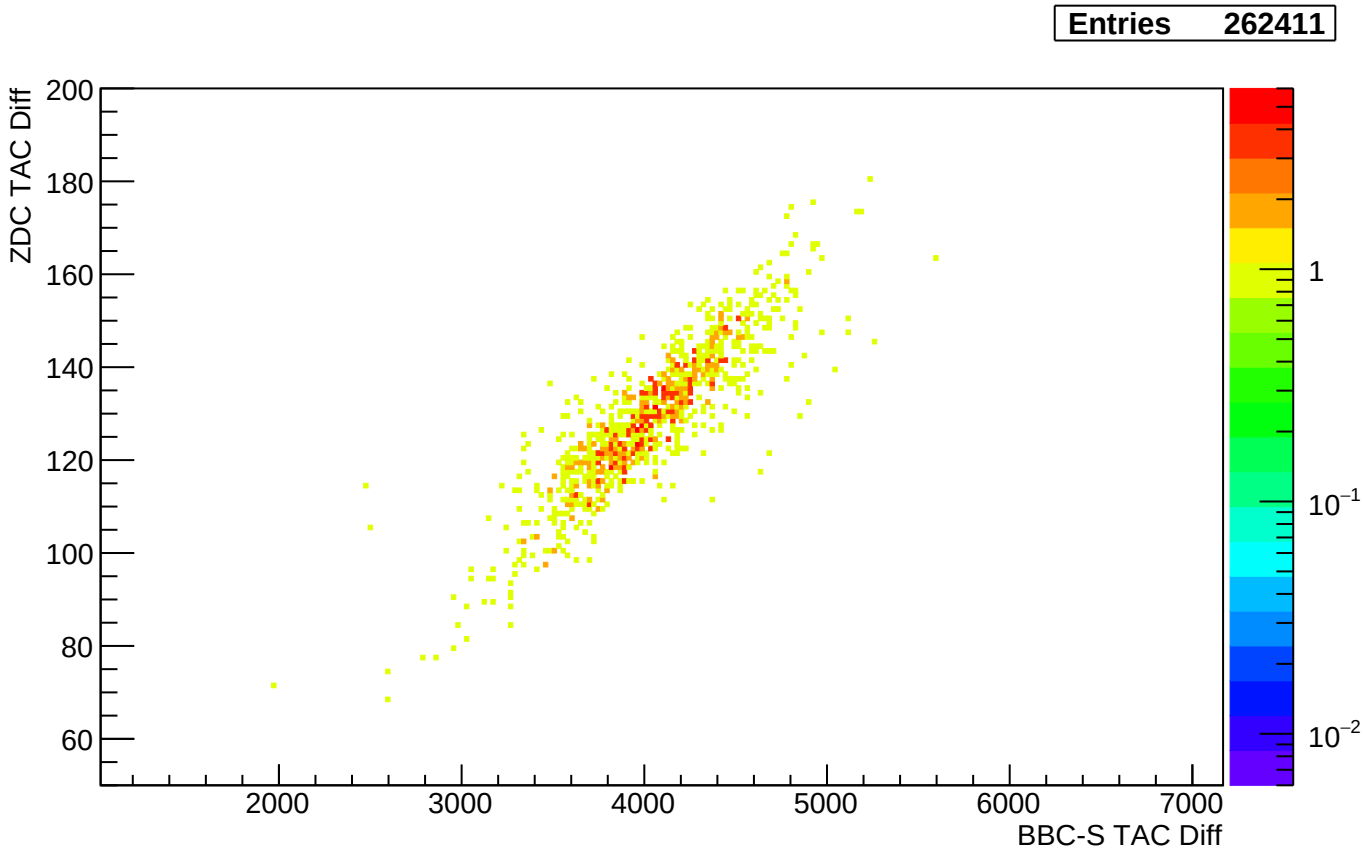

Entries 262411
TOF-Mult
EPD-West Hit Cnt

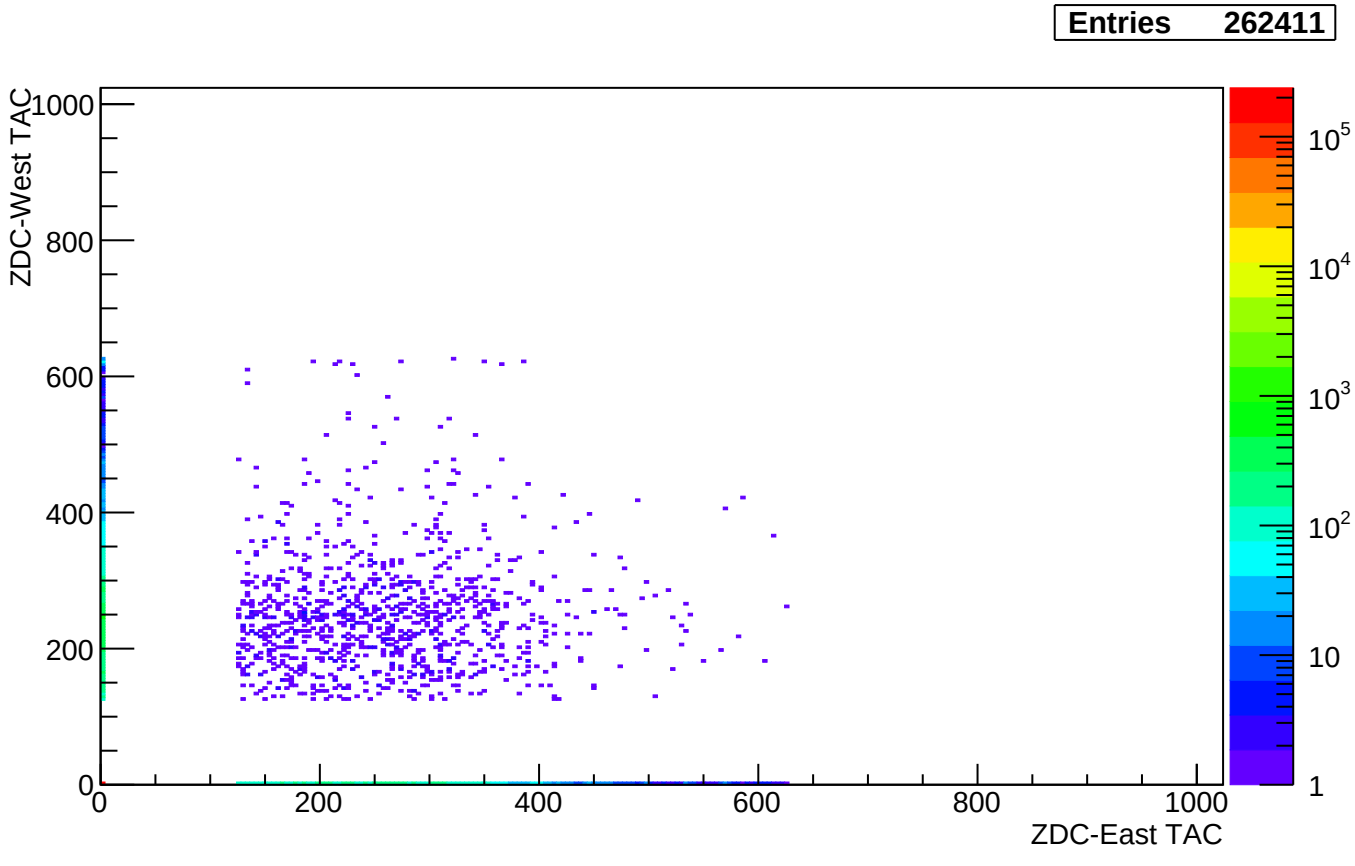

Entries 262411
TOF-Mult
VPD-East ADC Sum

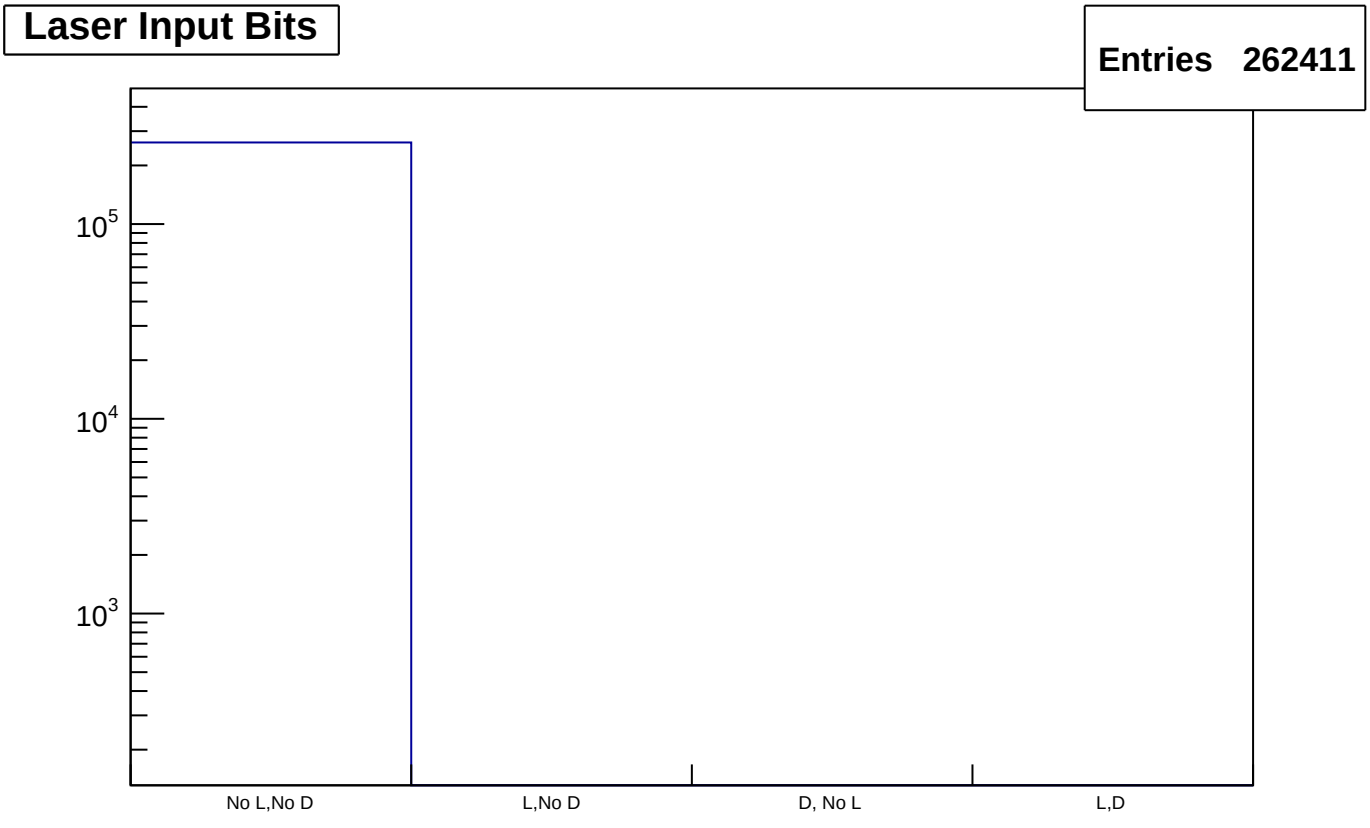

Entries 262411
TOF-Mult
VPD-West ADC Sum

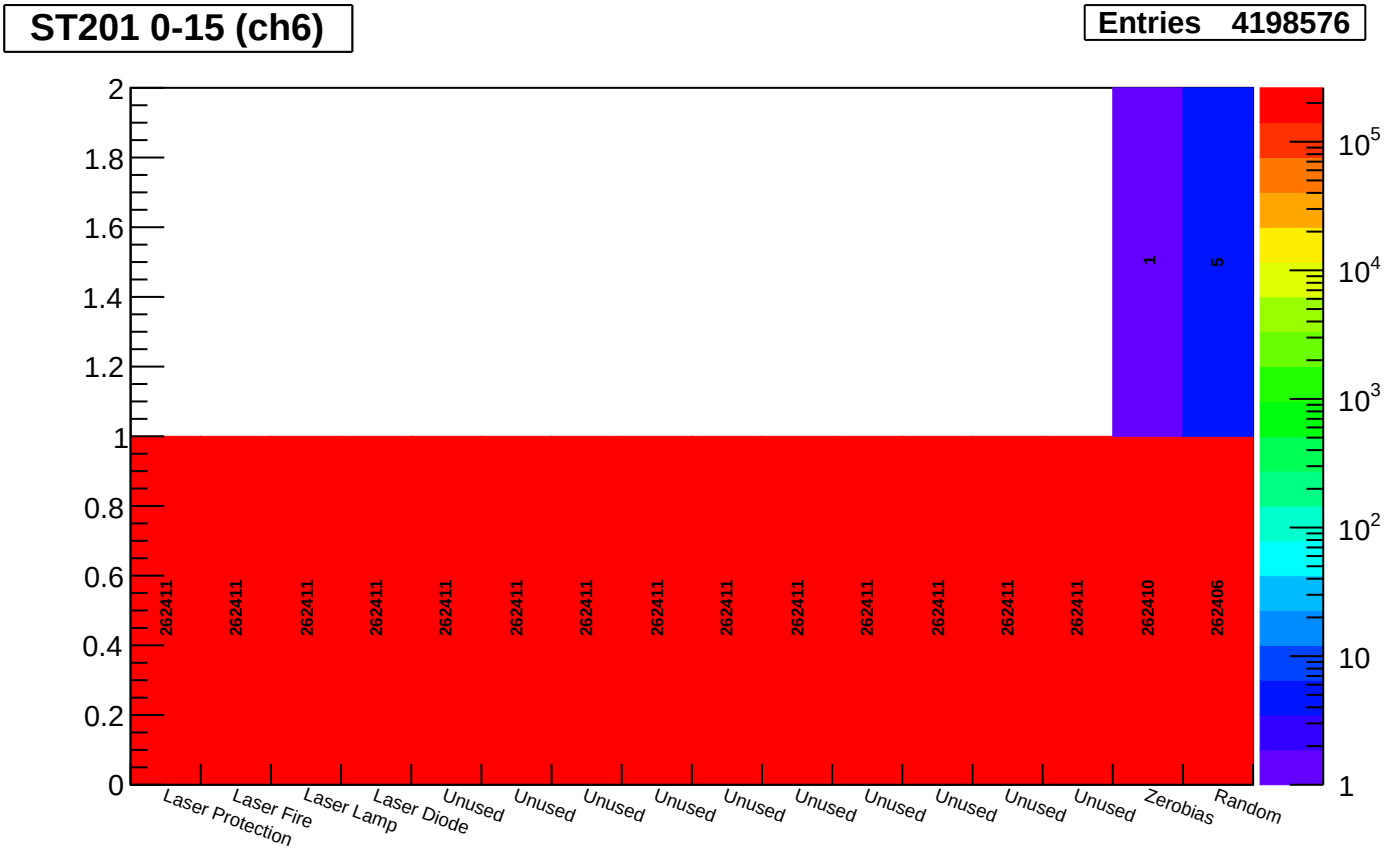

Entries 262411
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

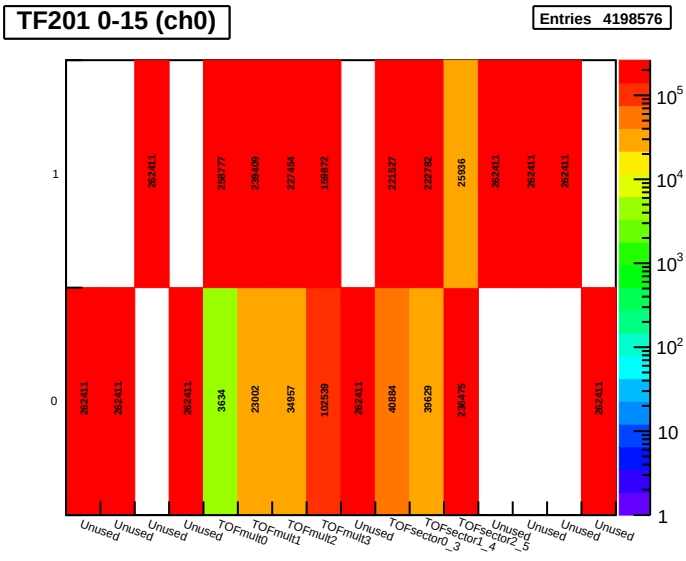

Entries 262411
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

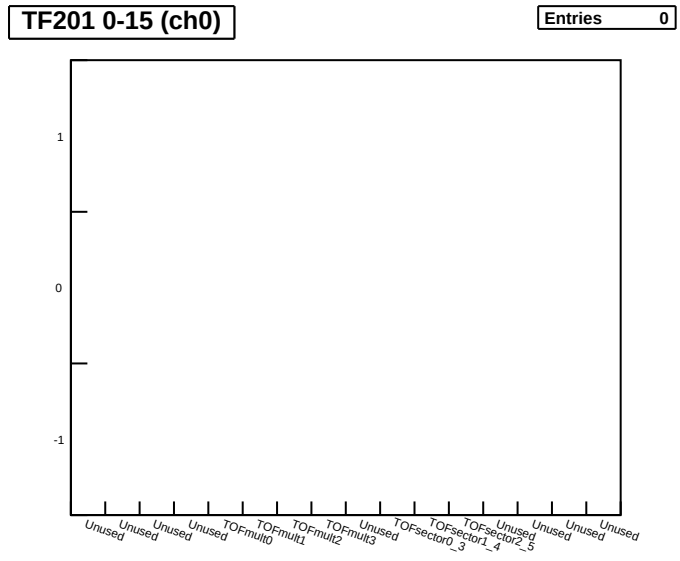

Entries 262411
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

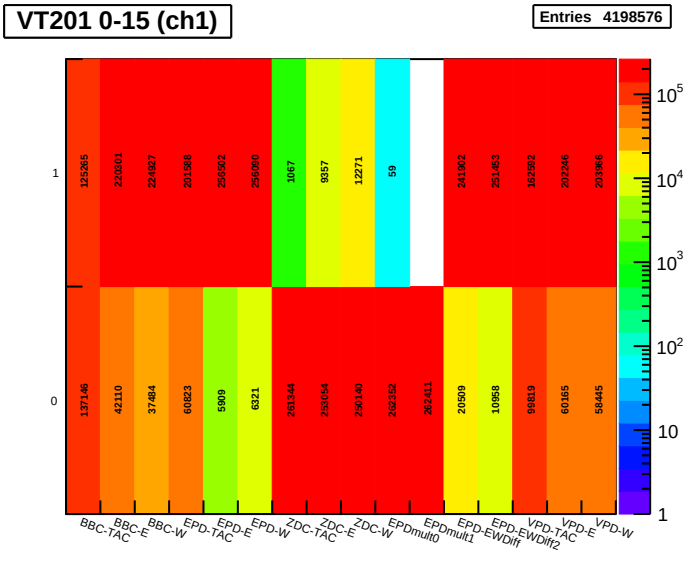

Entries 262411
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

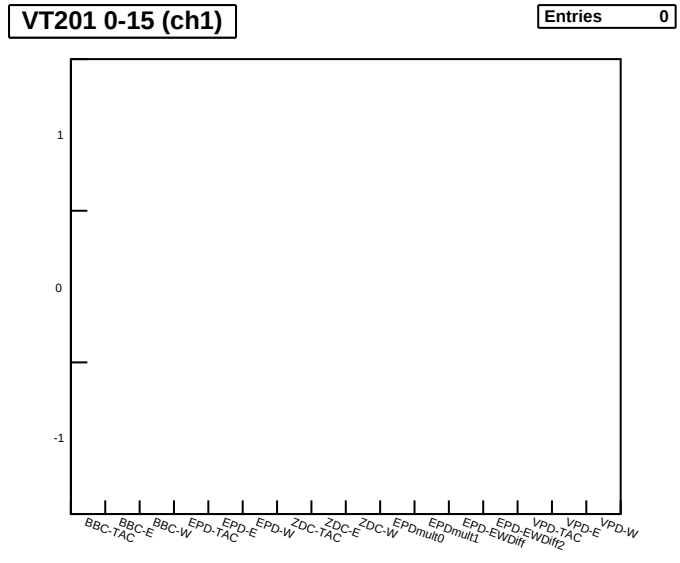

Laser Input Bits
Entries 262411
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

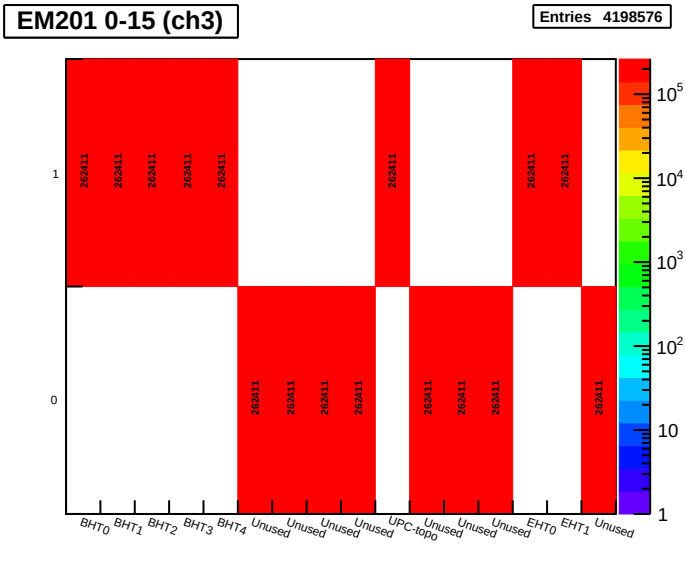

ST201 0-15 (ch6)
Entries 4198576
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262410
262406
1
5
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

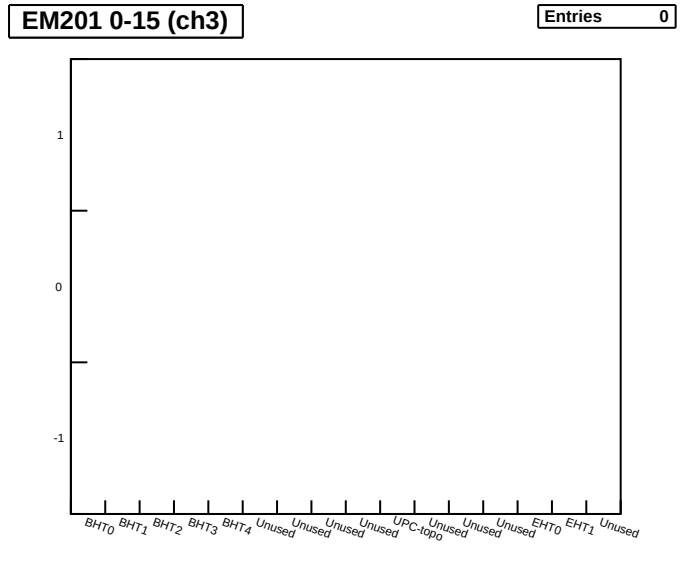

TF201 0-15 (ch0)
Entries 4198576
1
0
262411
238777
239409
227454
199872
221527
222782
25936
262411
262411
262411
262411
262411
262411
262411
3634
23002
34957
102539
262411
40884
39629
238475
262411
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
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 4198576
1
0
125265
230301
224927
201588
256502
256090
1067
9357
12271
59
241902
251453
162592
202246
203966
137146
42110
37484
60823
5909
6321
261344
253054
250140
262352
262411
20509
10968
99819
60165
58445
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 4198576
1
0
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
262411
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
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
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused