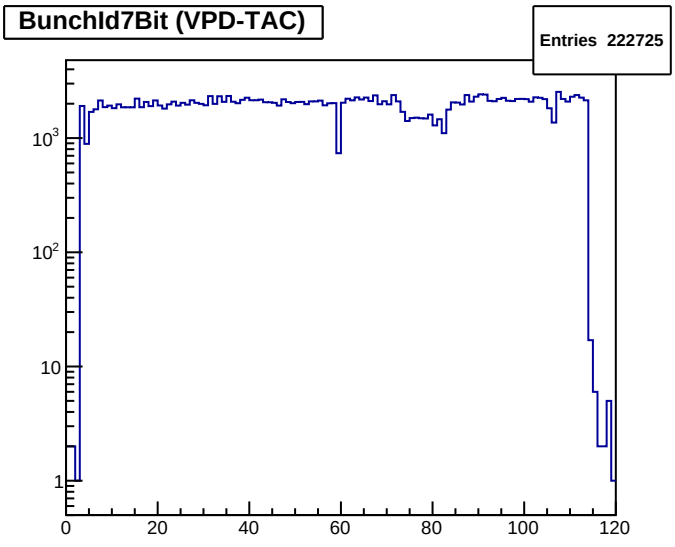
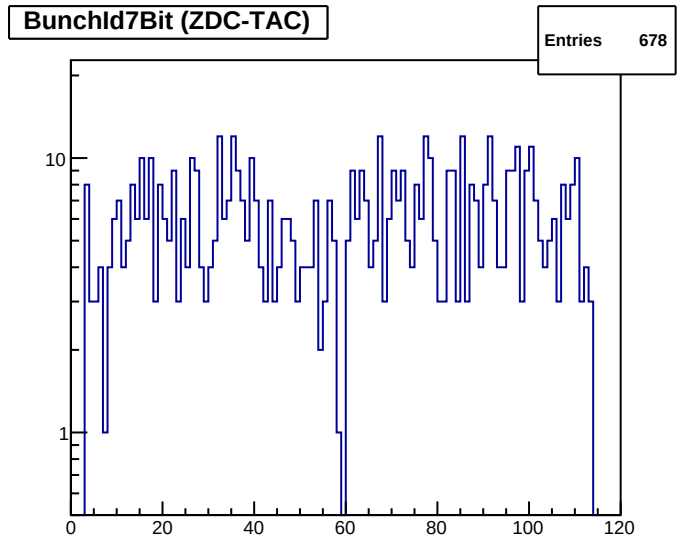
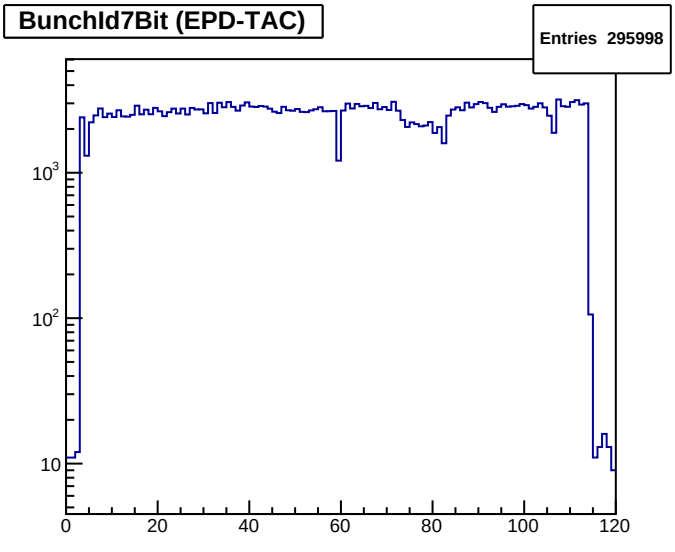
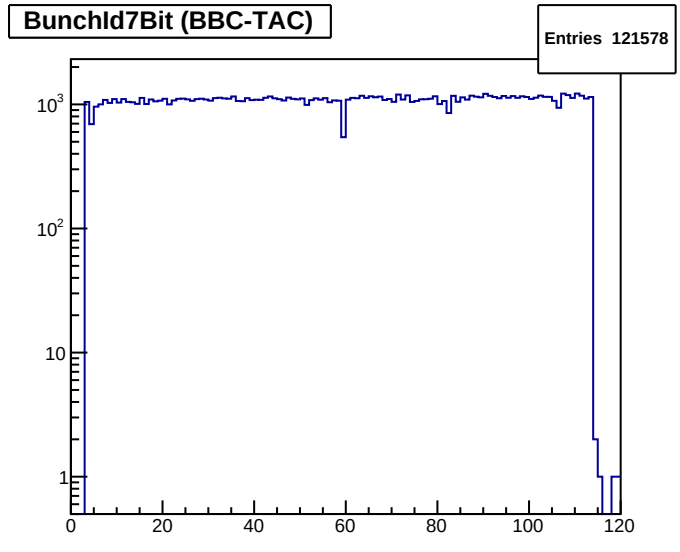
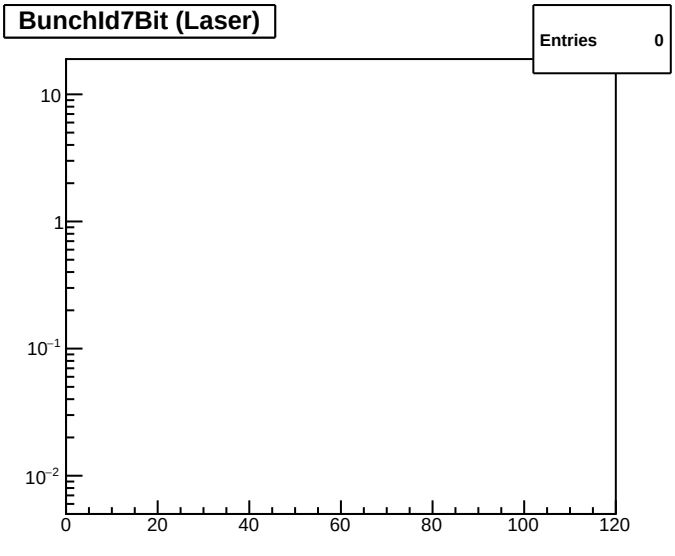
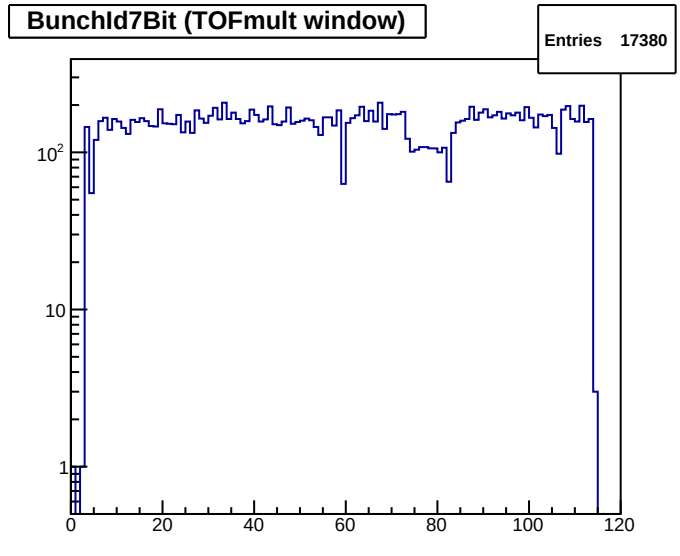

BunchId7Bit (VPD-TAC)
Entries 222725

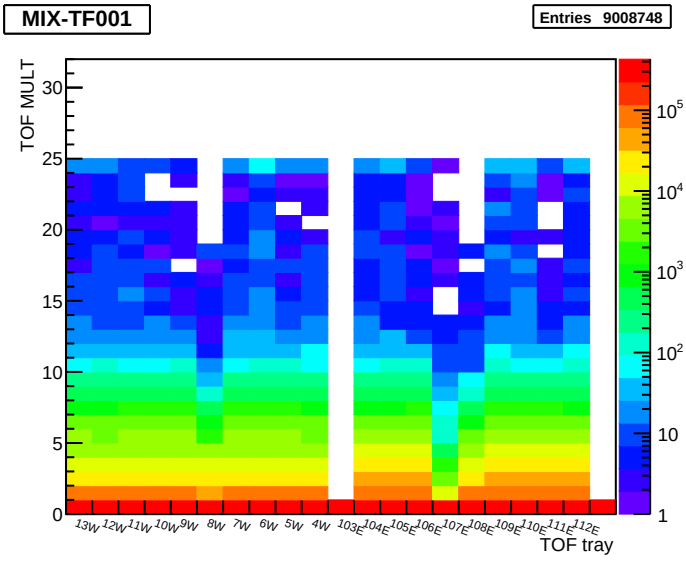

BunchId7Bit (ZDC-TAC)
Entries 678

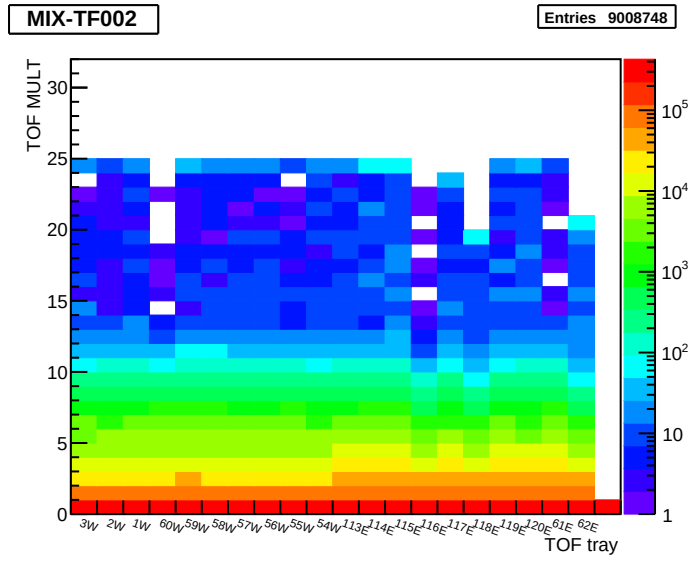

BunchId7Bit (EPD-TAC)
Entries 295998

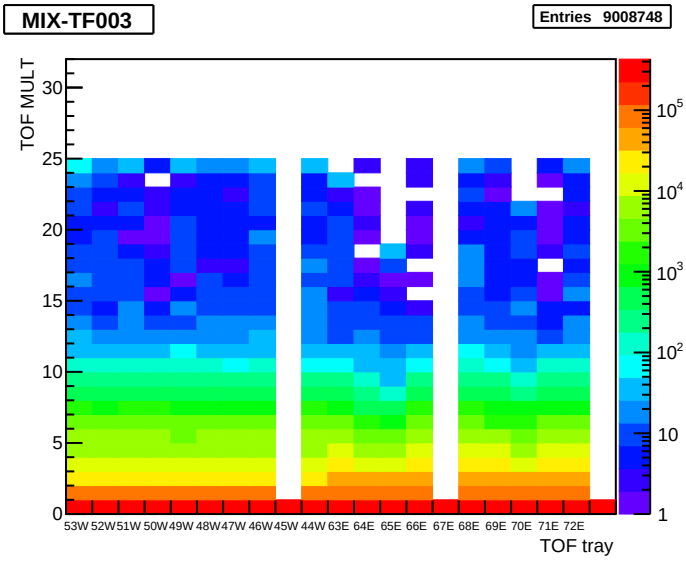

BunchId7Bit (BBC-TAC)
Entries 121578

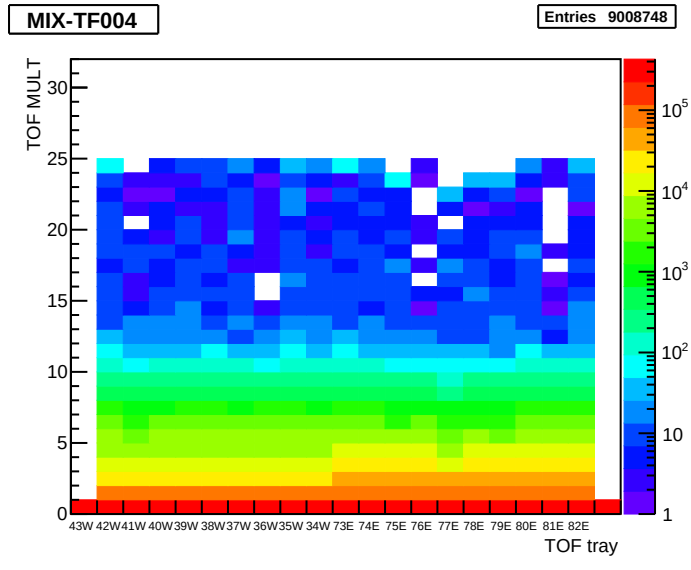

BunchId7Bit (Laser)
Entries 0

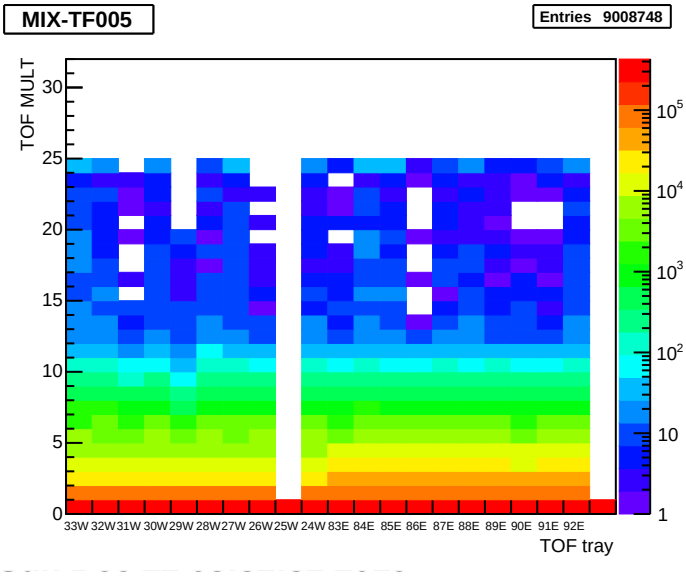

BunchId7Bit (TOFmult window)
Entries 17380

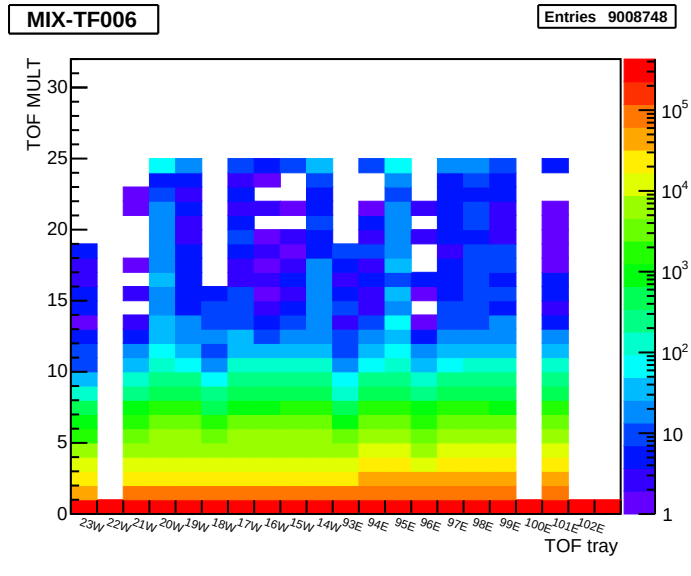

MIX-TF001
Entries 9008748
TOF MULT
TOF tray

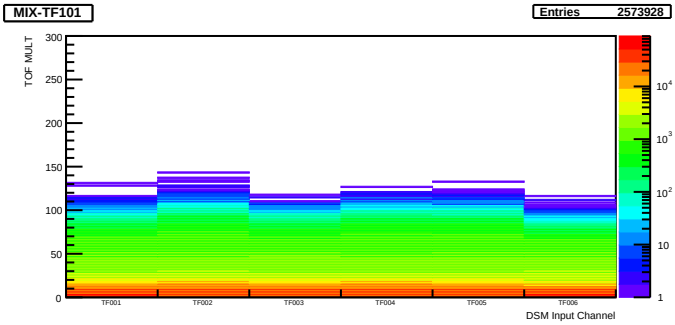

MIX-TF002
Entries 9008748
TOF MULT
TOF tray

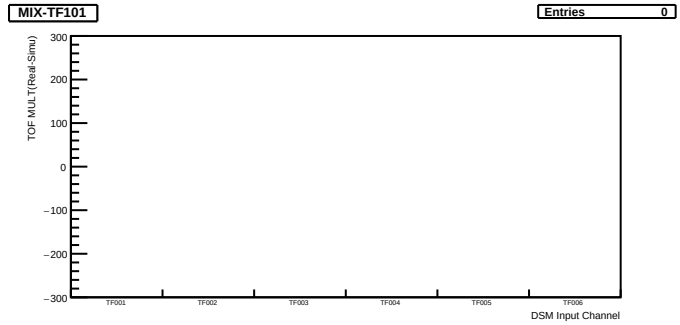

MIX-TF003
Entries 9008748
TOF MULT
TOF tray

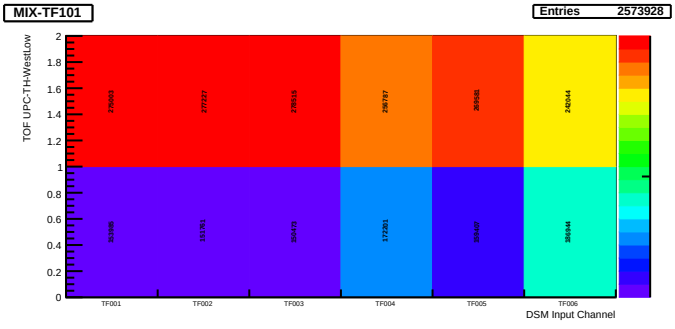

MIX-TF004
Entries 9008748
TOF MULT
TOF tray

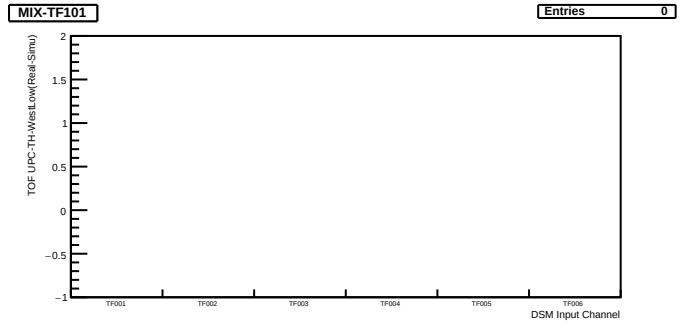

MIX-TF005
Entries 9008748
TOF MULT
TOF tray

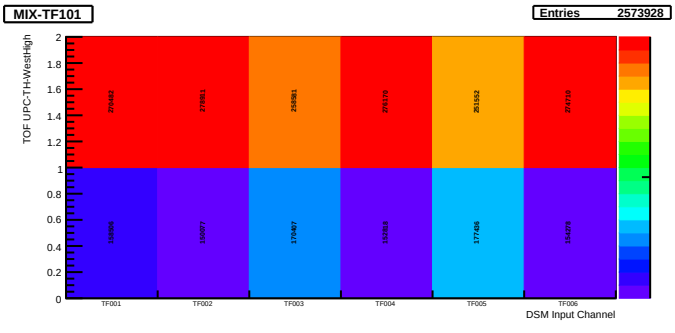

MIX-TF006
Entries 9008748
TOF MULT
TOF tray

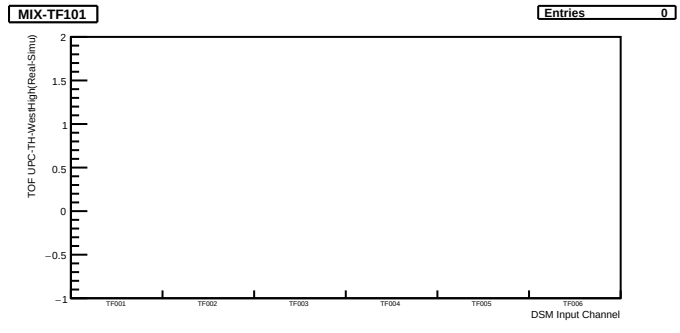

MIX-TF101
Entries 2573928
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

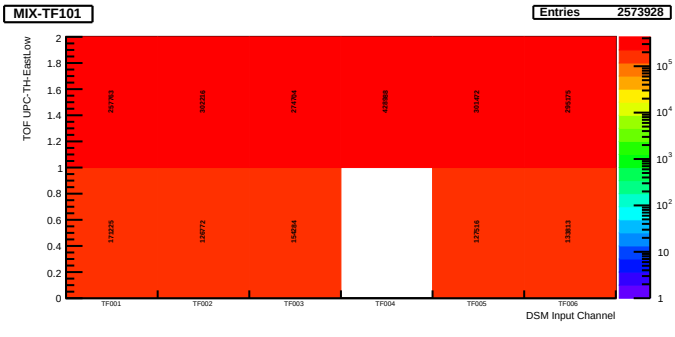

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

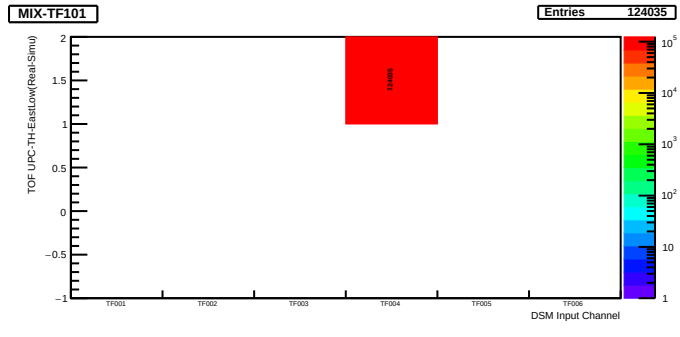

MIX-TF101
Entries 2573928
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

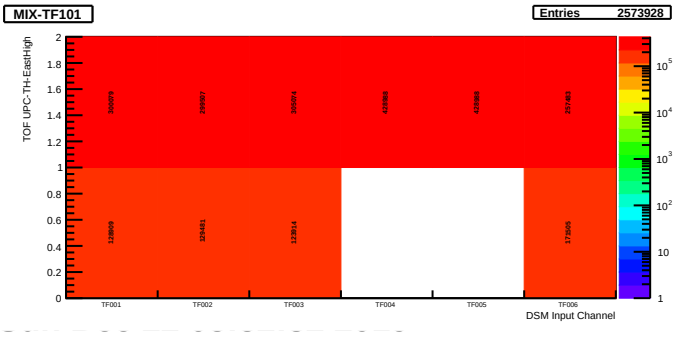

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

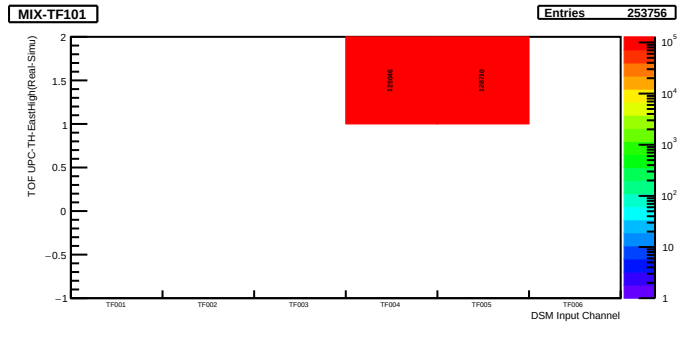

MIX-TF101
Entries 2573928
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

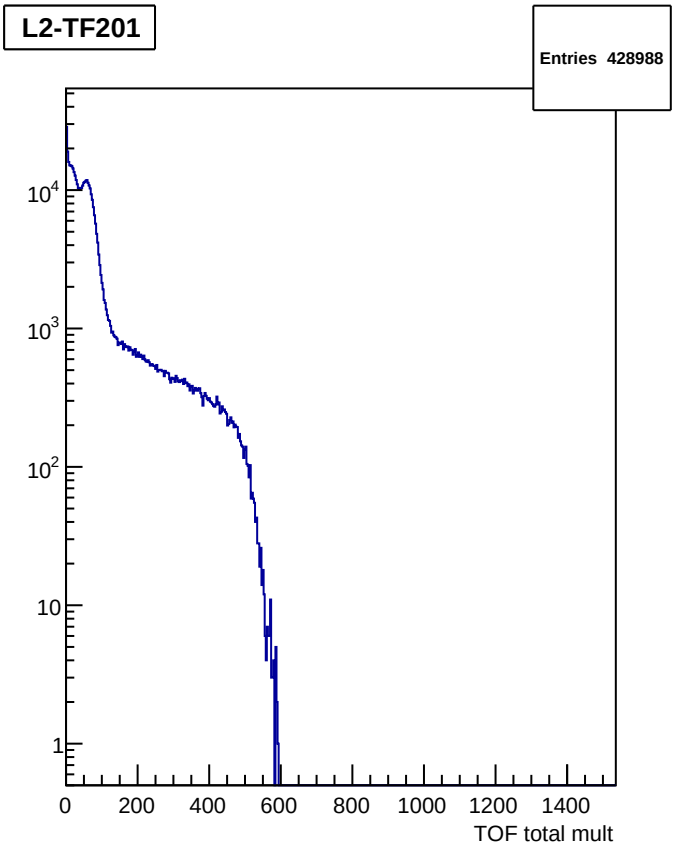

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

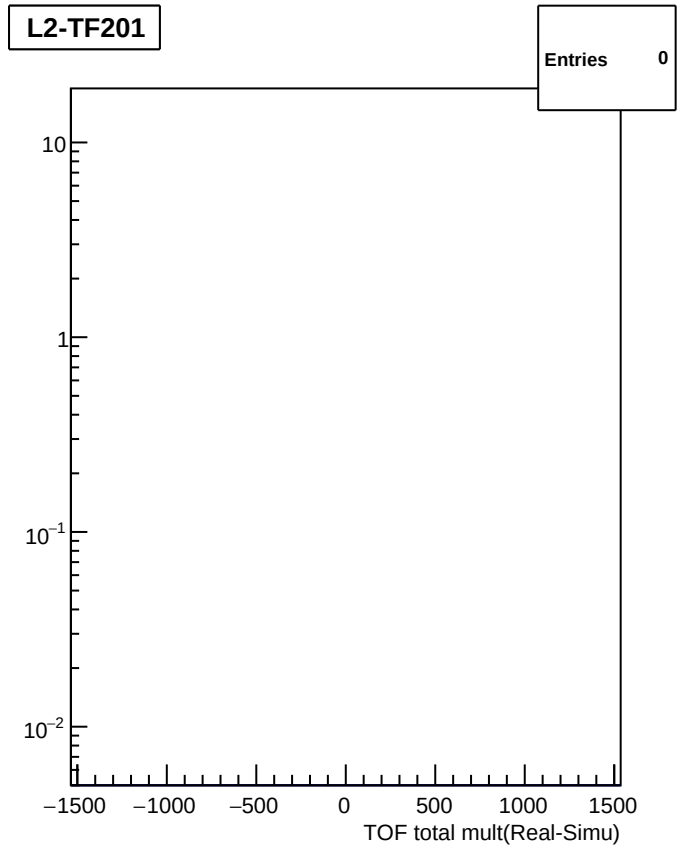

MIX-TF101
Entries 2573928
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

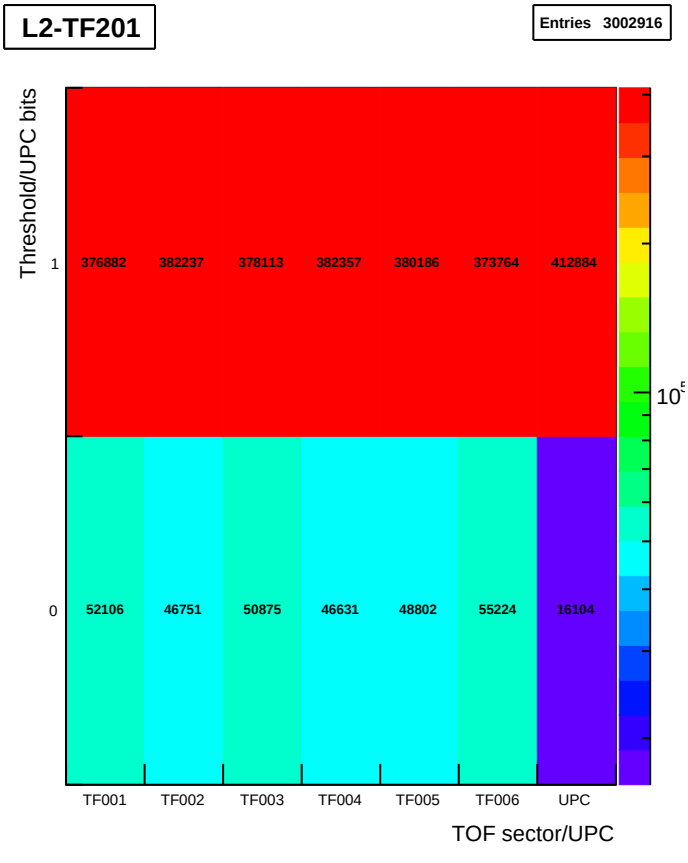

MIX-TF101
Entries 124035
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

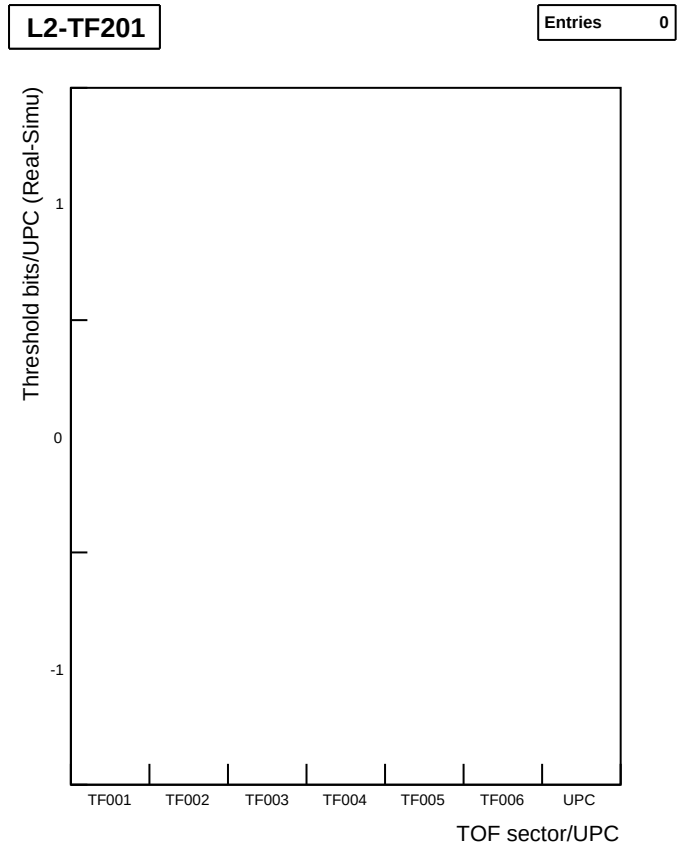

MIX-TF101
Entries 2573928
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

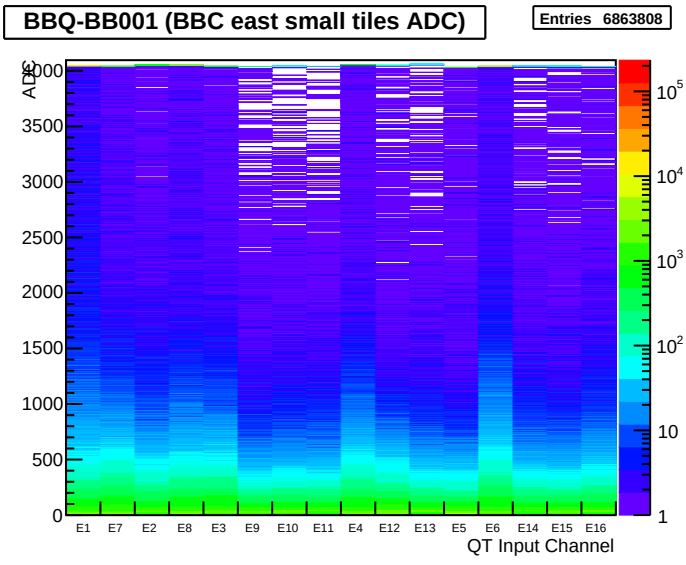

MIX-TF101
Entries 253756
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

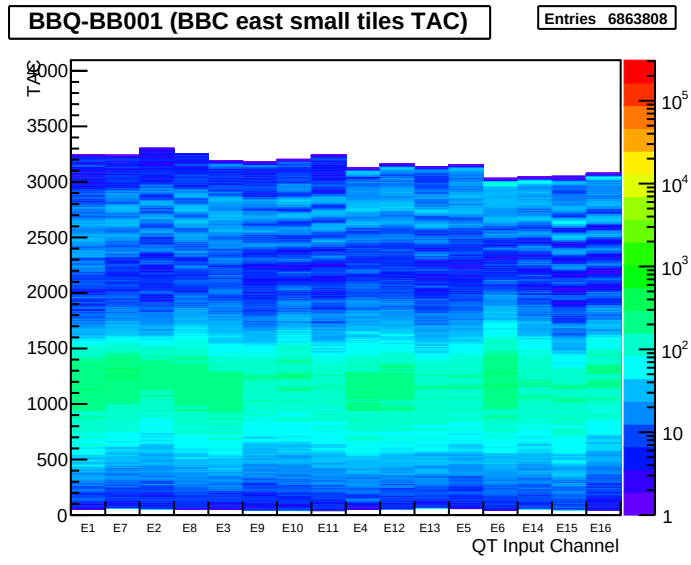

L2-TF201
Entries 428988
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

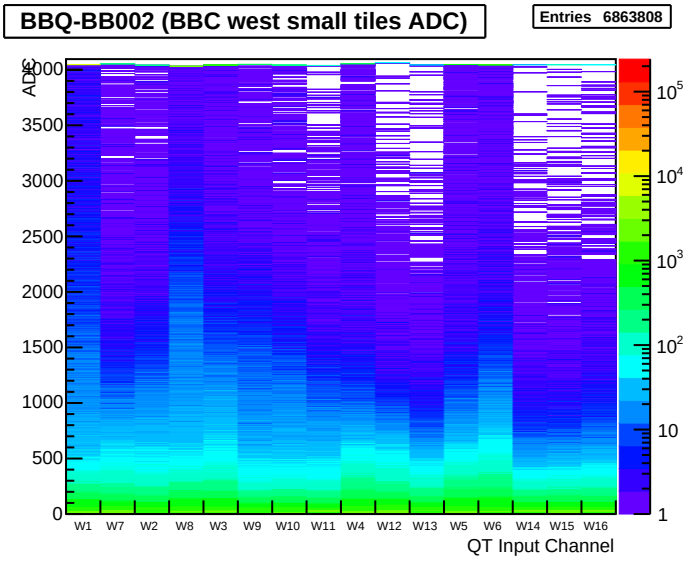

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

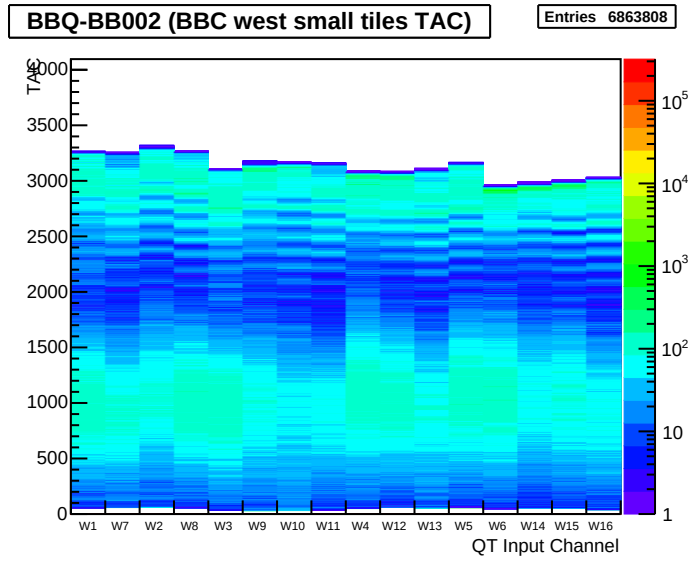

L2-TF201
Entries 3002916
Threshold/UPC bits
1
0
376882
382237
378113
382357
380186
373764
412884
52106
46751
50875
46631
48802
55224
16104
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

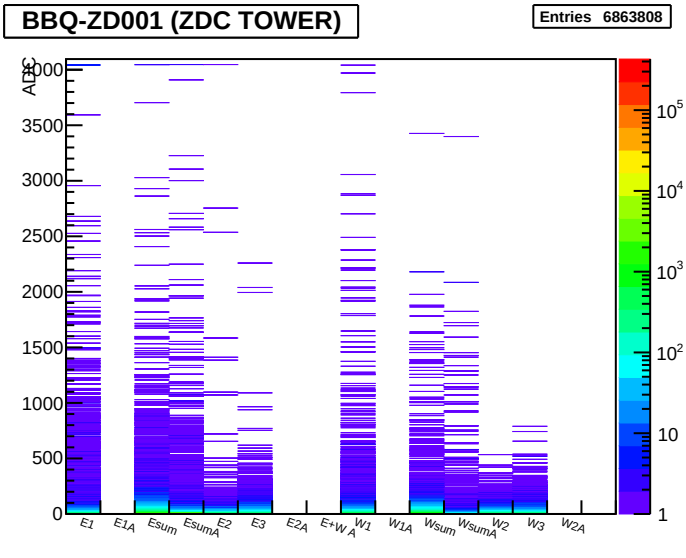

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

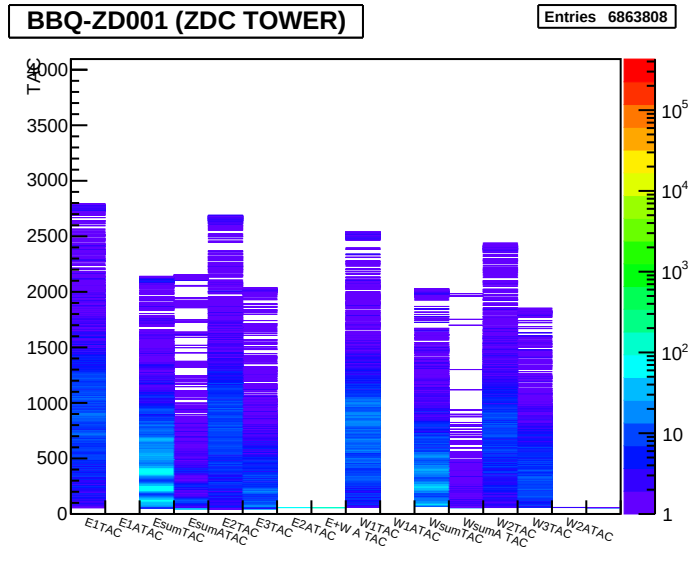

BBQ-BB001 (BBC east small tiles ADC)
Entries 6863808
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

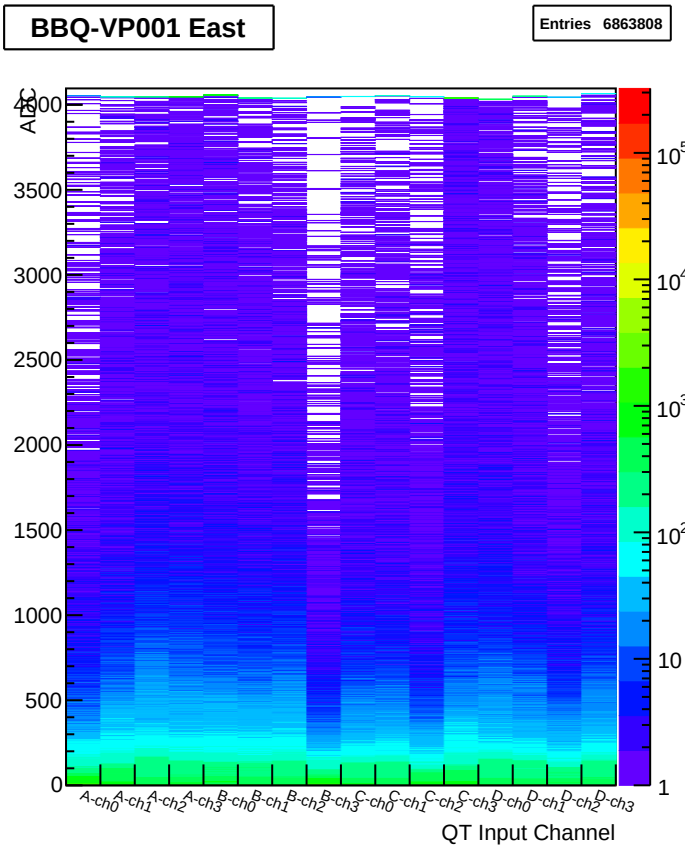

BBQ-BB001 (BBC east small tiles TAC)
Entries 6863808
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

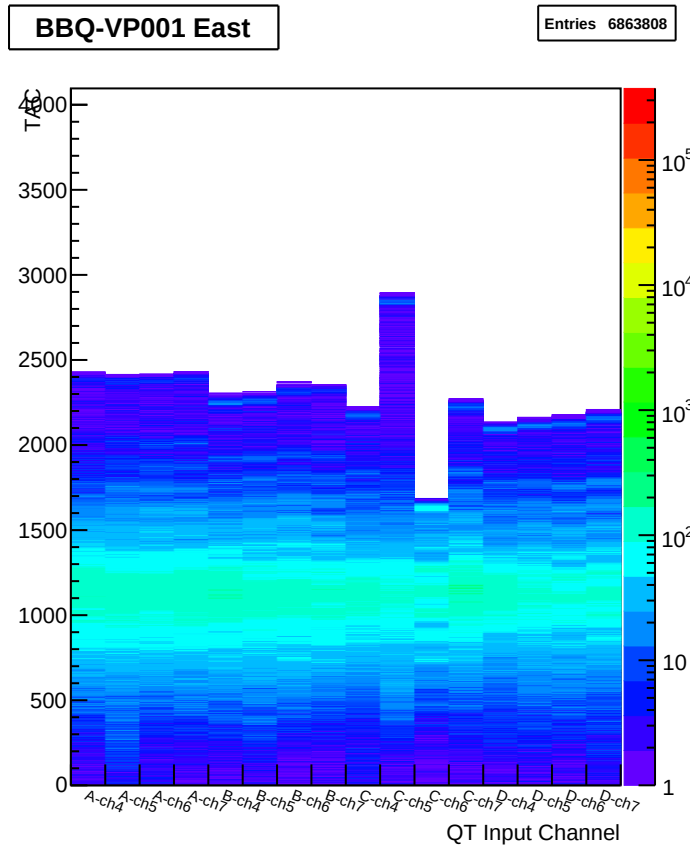

BBQ-BB002 (BBC west small tiles ADC)
Entries 6863808
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

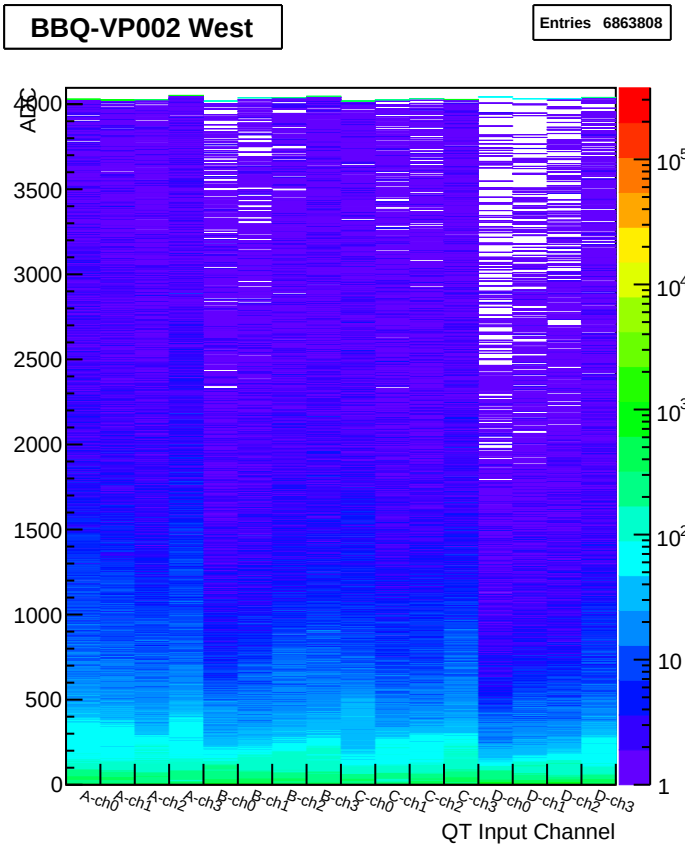

BBQ-BB002 (BBC west small tiles TAC)
Entries 6863808
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

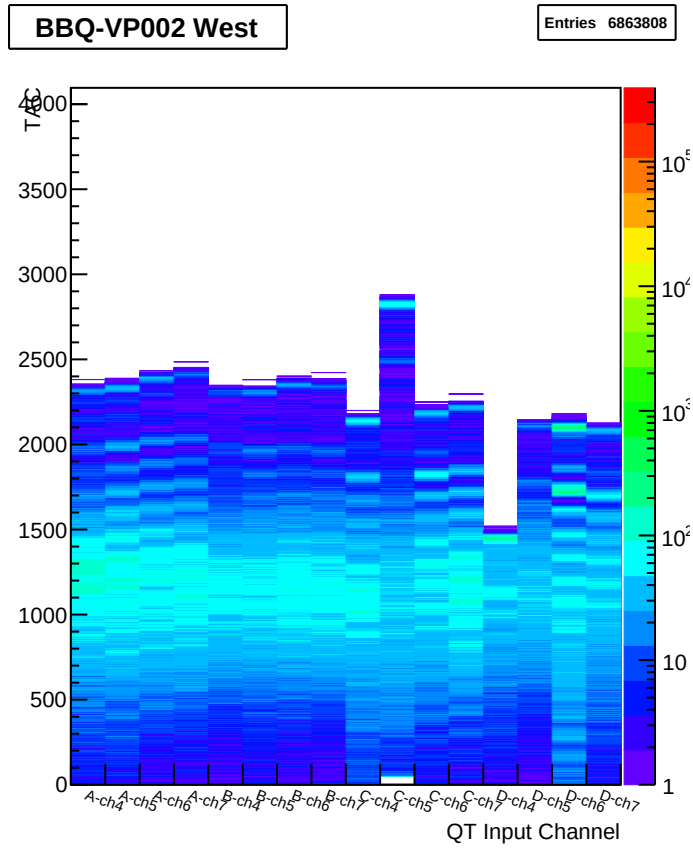

BBQ-ZD001 (ZDC TOWER)
Entries 6863808
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

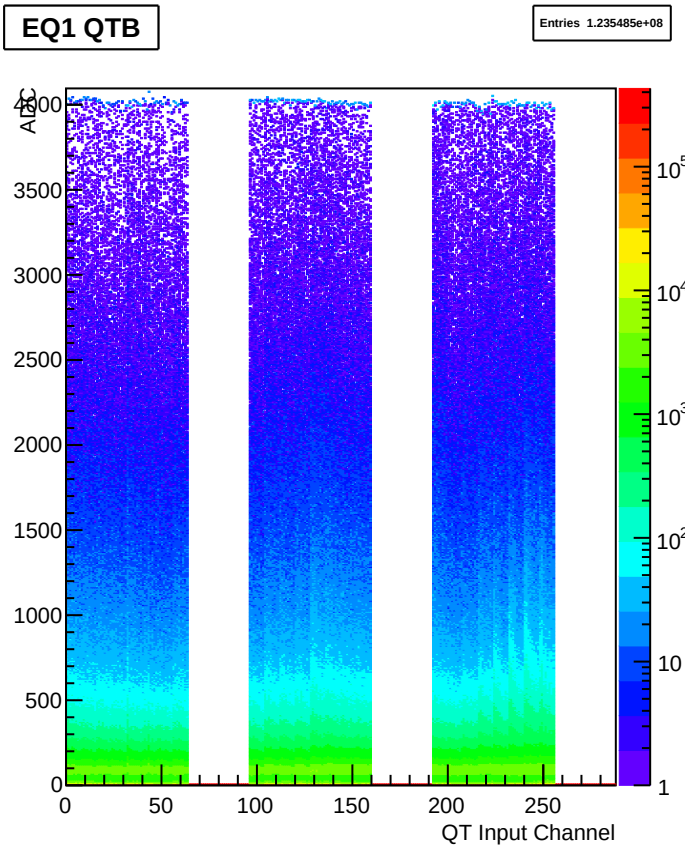

BBQ-ZD001 (ZDC TOWER)
Entries 6863808
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

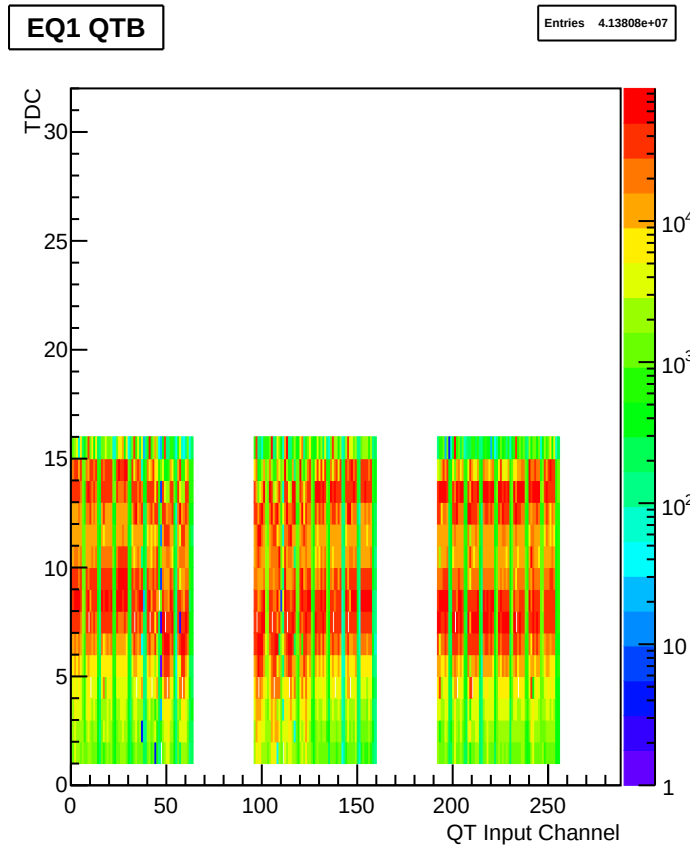

BBQ-VP001 East
Entries 6863808
ADC
QT Input Channel

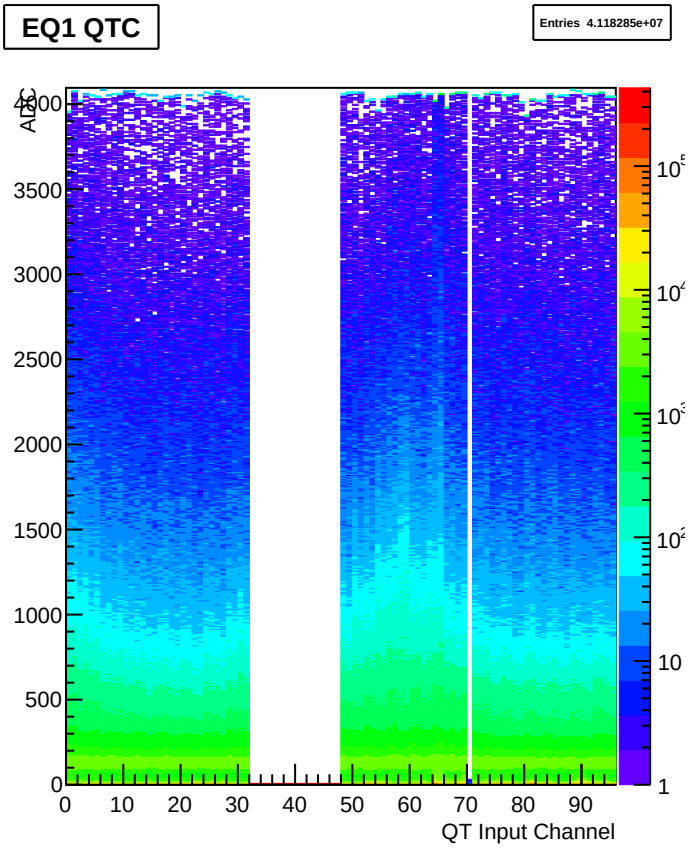

BBQ-VP001 East
Entries 6863808
ADC
QT Input Channel

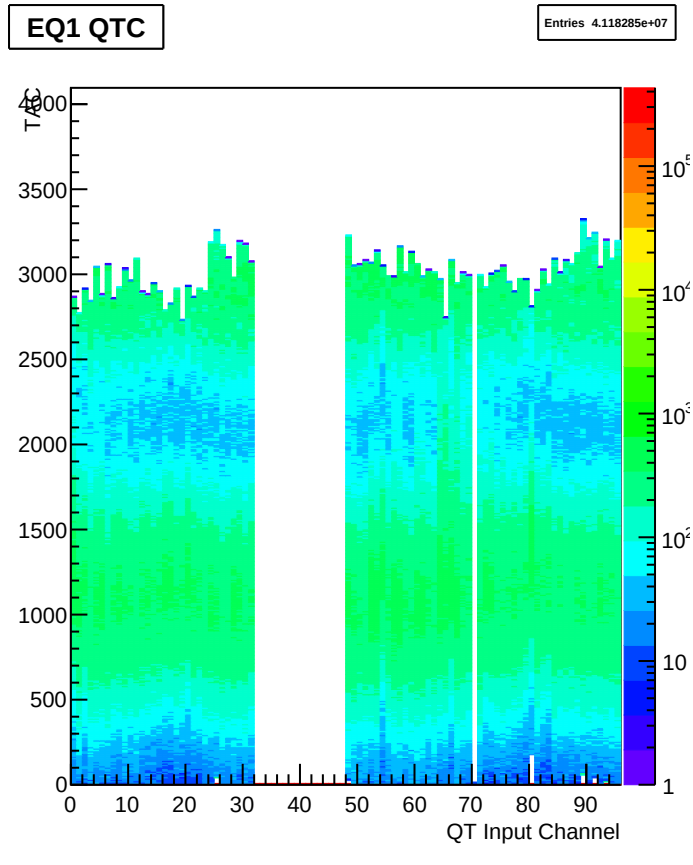

BBQ-VP002 West
Entries 6863808
ADC
QT Input Channel

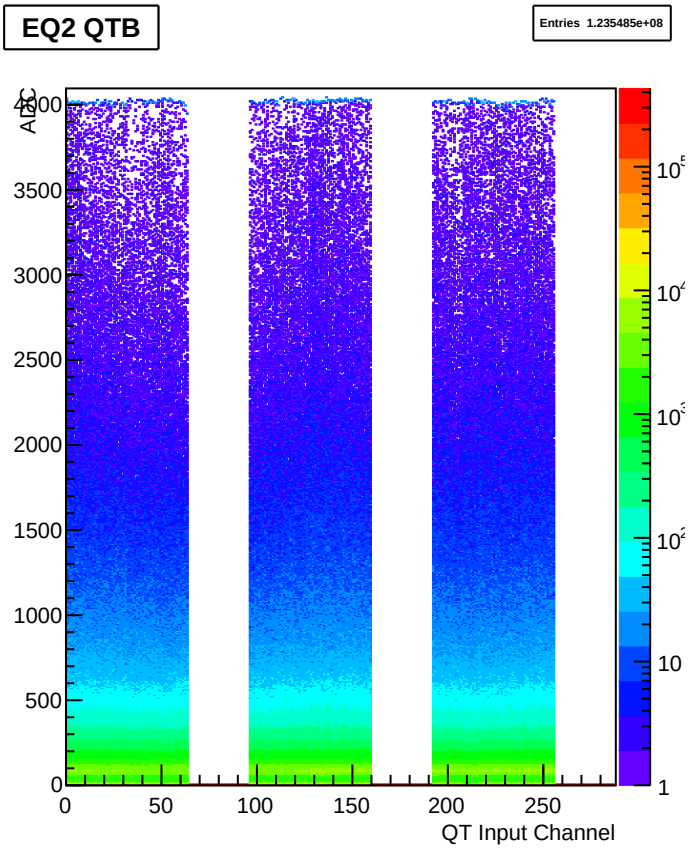

BBQ-VP002 West
Entries 6863808
ADC
QT Input Channel

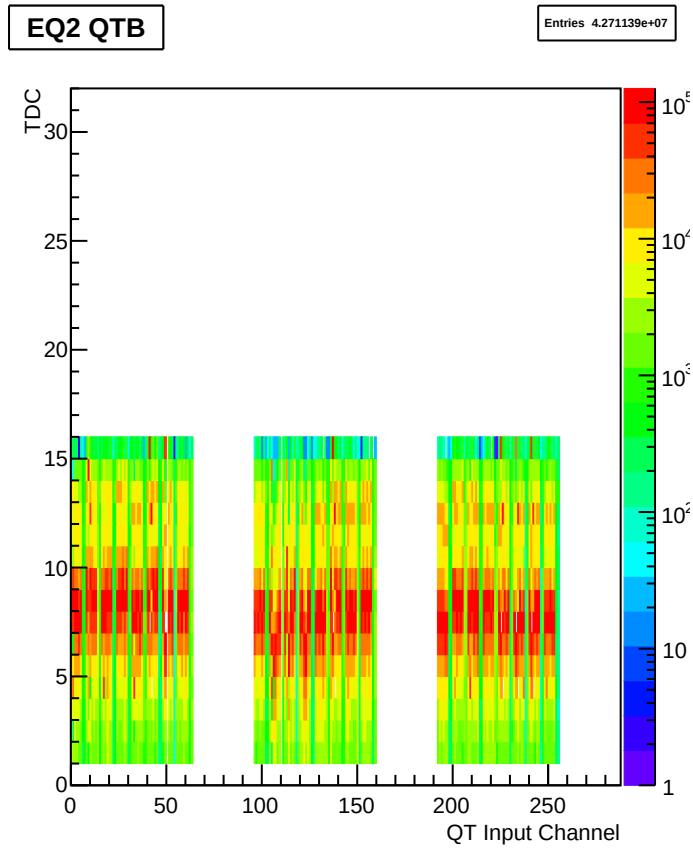

EQ1 QTB
Entries 1.235485e+08
ADC
QT Input Channel

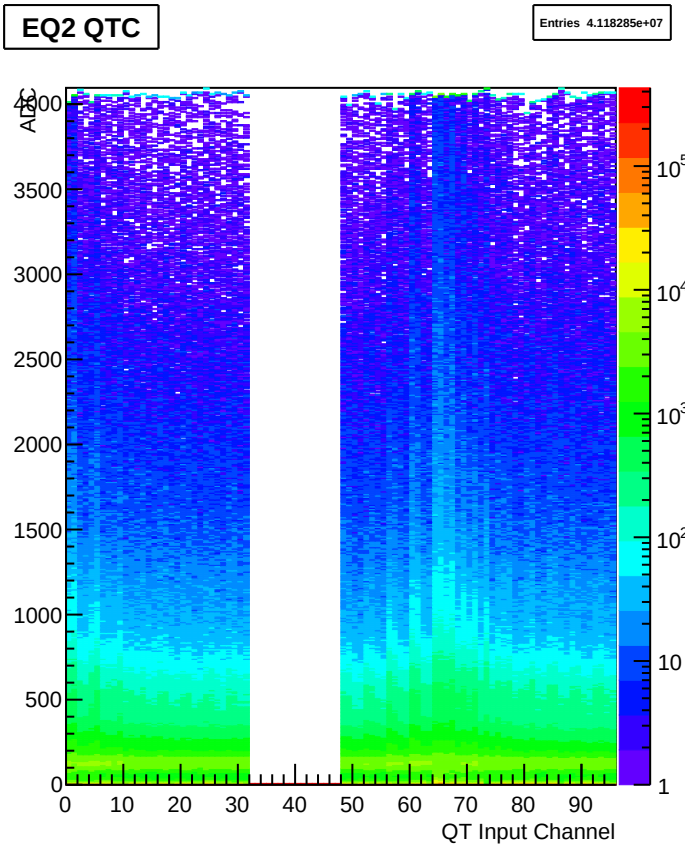

EQ1 QTB
Entries 4.13808e+07
TDC
QT Input Channel

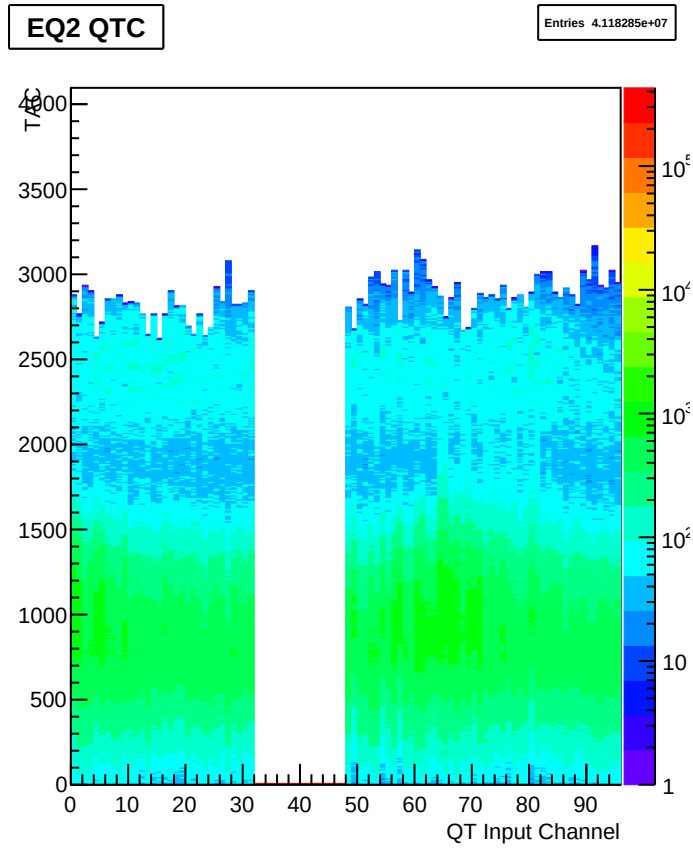

EQ1 QTC
Entries 4.118285e+07
ADC
QT Input Channel

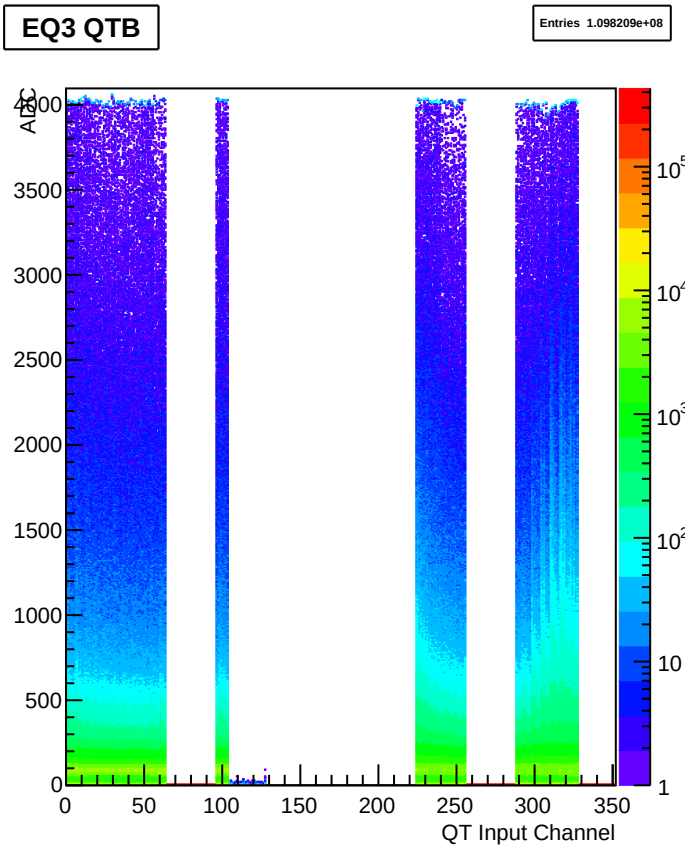

EQ1 QTC
Entries 4.118285e+07
TADC
QT Input Channel

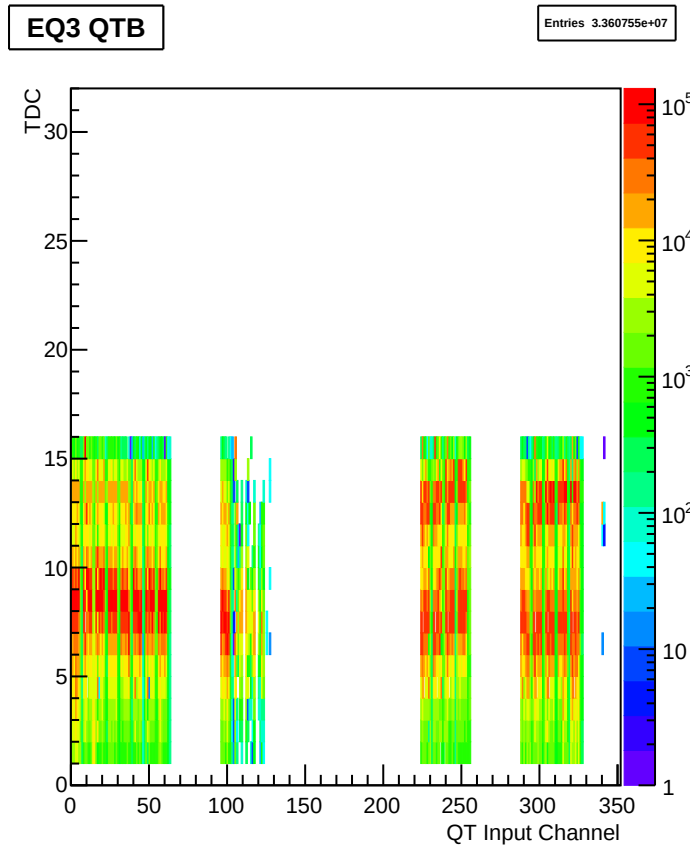

EQ2 QTB
Entries 1.235485e+08
ADC
QT Input Channel

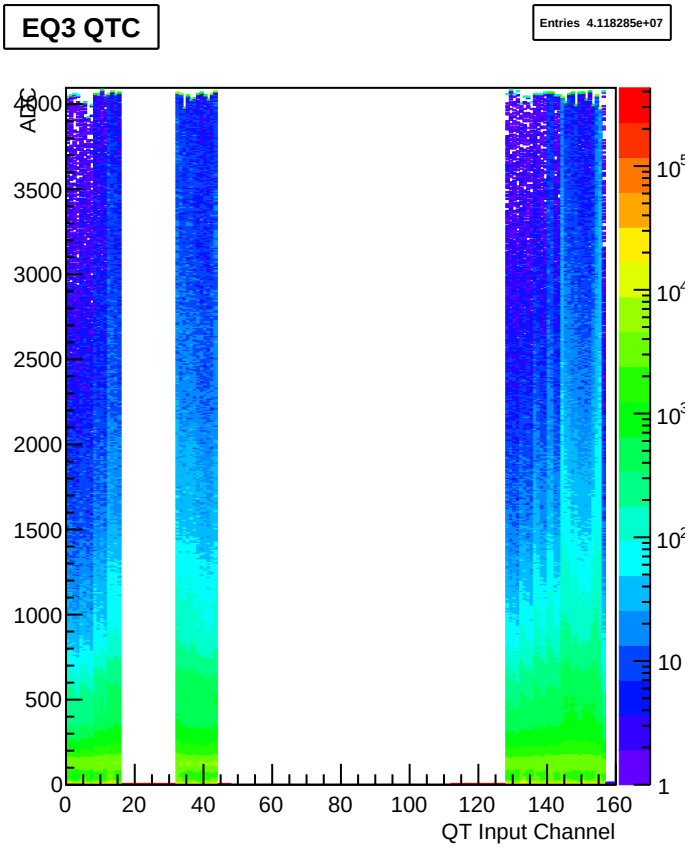

EQ2 QTB
Entries 4.271139e+07
TDC
QT Input Channel

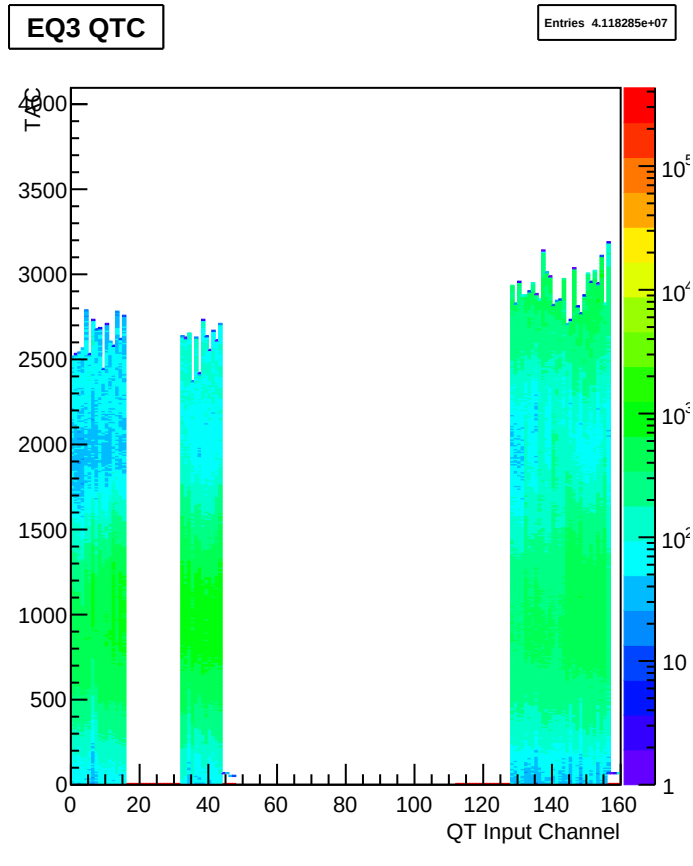

EQ2 QTC
Entries 4.118285e+07
ADC
QT Input Channel

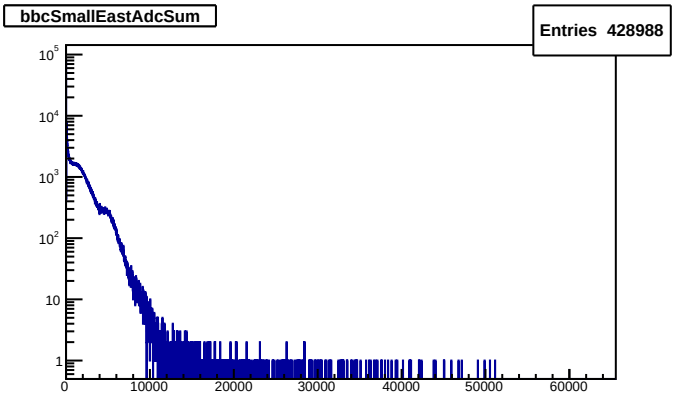

EQ2 QTC
Entries 4.118285e+07
TADC
QT Input Channel

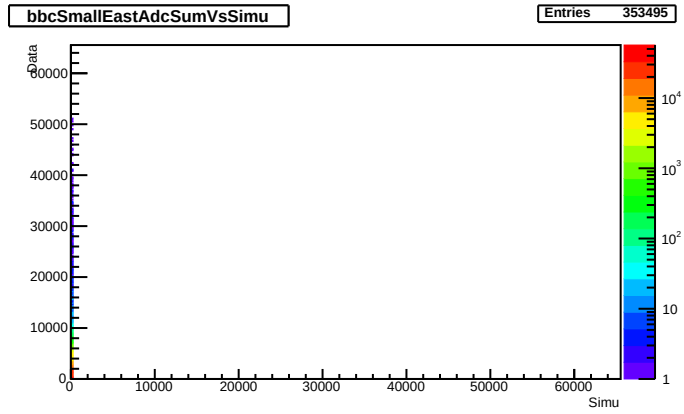

EQ3 QTB
Entries 1.098209e+08
ADC
QT Input Channel

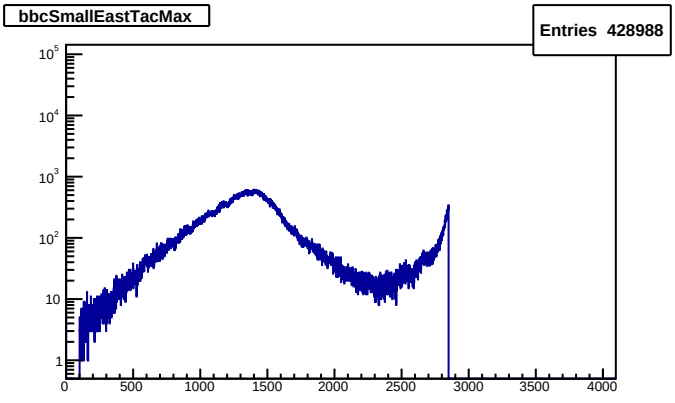

EQ3 QTB
Entries 3.360755e+07
TDC
QT Input Channel

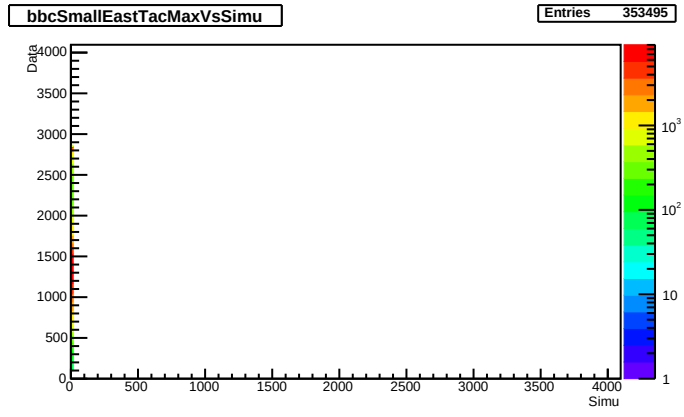

EQ3 QTC
Entries 4.118285e+07
ADC
QT Input Channel

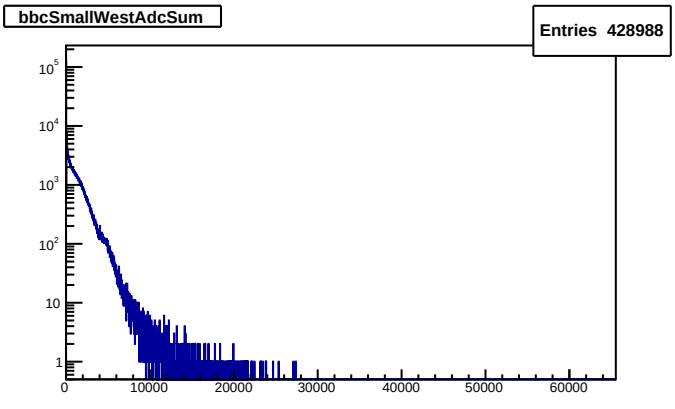

EQ3 QTC
Entries 4.118285e+07
TADC
QT Input Channel

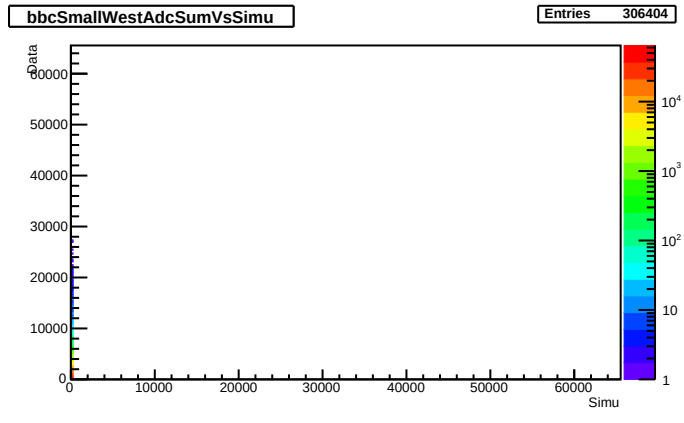

bbcSmallEastAdcSum
Entries 428988

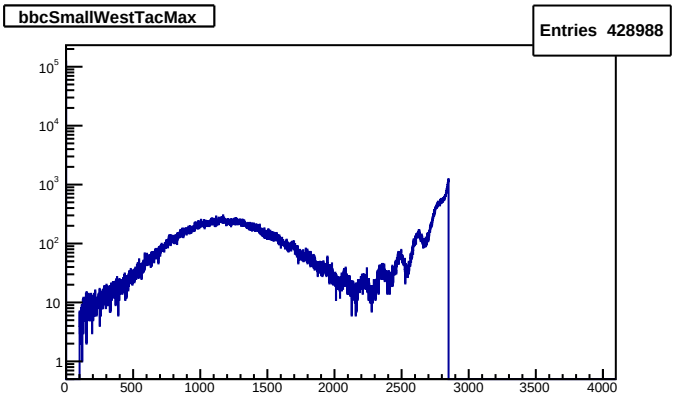

bbcSmallEastAdcSumVsSimu
Entries 353495
Data
Simu

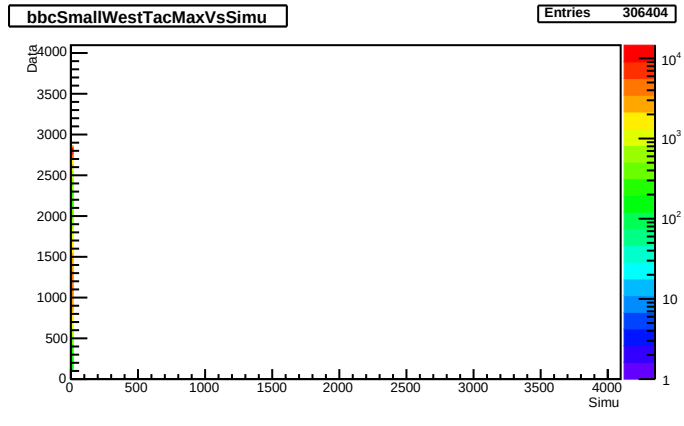

bbcSmallEastTacMax
Entries 428988

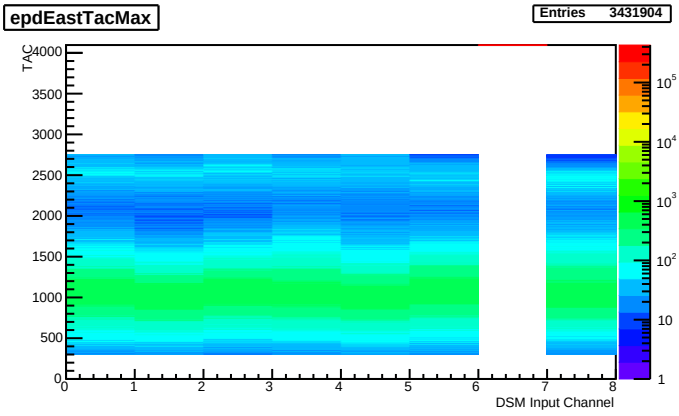

bbcSmallEastTacMaxVsSimu
Entries 353495
Data
Simu

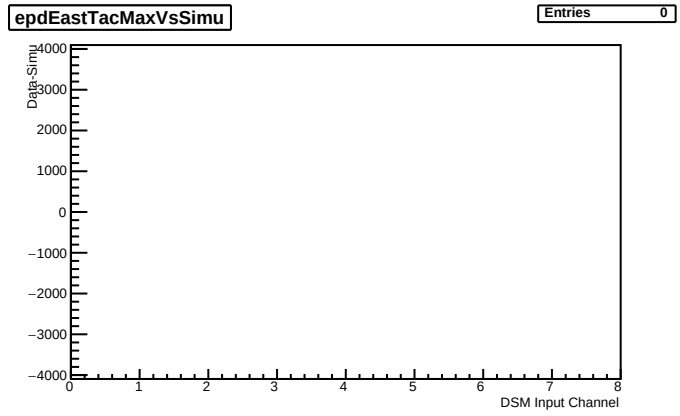

bbcSmallWestAdcSum
Entries 428988

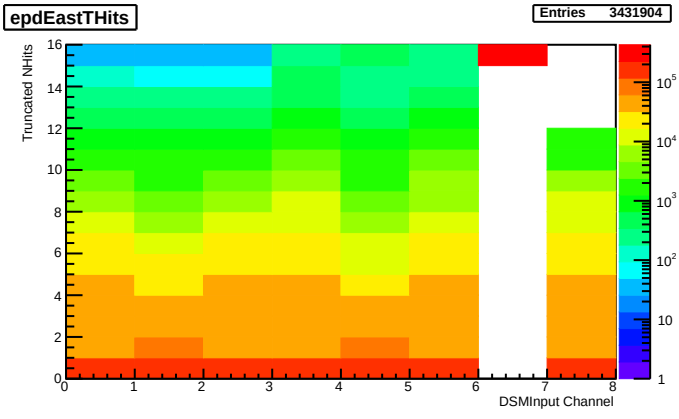

bbcSmallWestAdcSumVsSimu
Entries 306404
Data
Simu

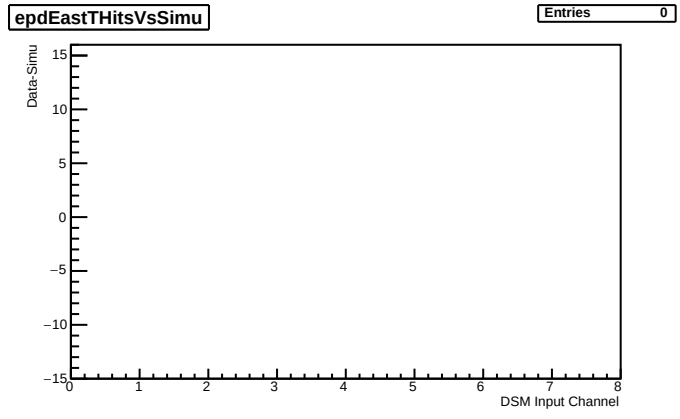

bbcSmallWestTacMax
Entries 428988

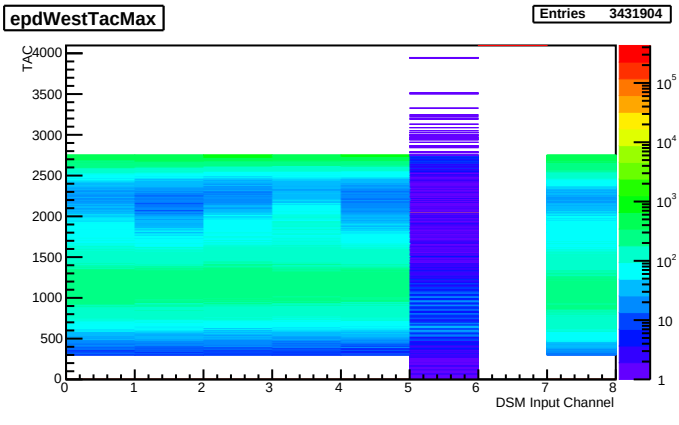

bbcSmallWestTacMaxVsSimu
Entries 306404
Data
Simu

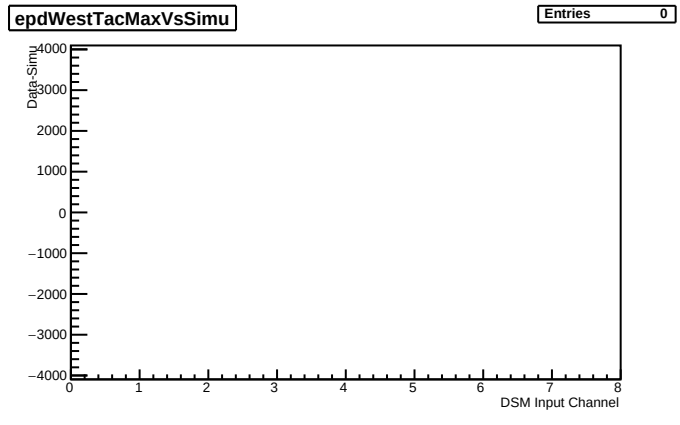

epdEastTacMax
Entries 3431904
TAC
DSM Input Channel

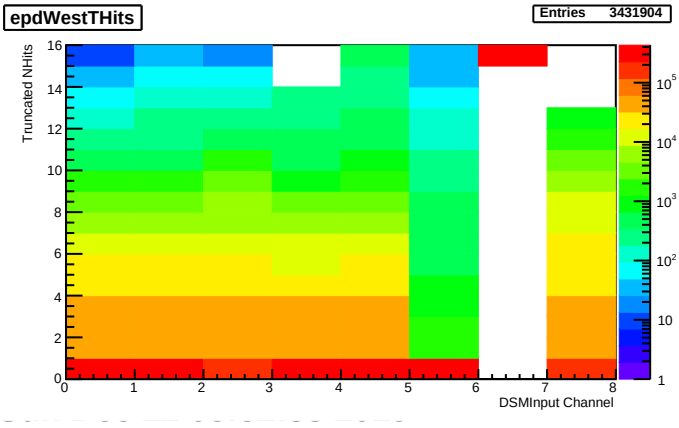

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

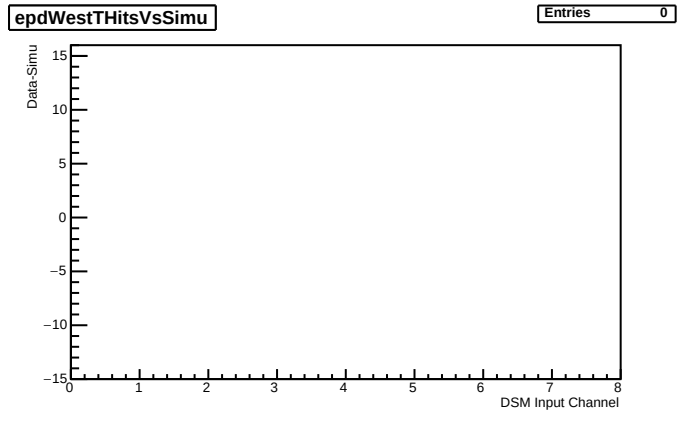

epdEastTHits
Entries 3431904
Truncated NHits
DSMInput Channel

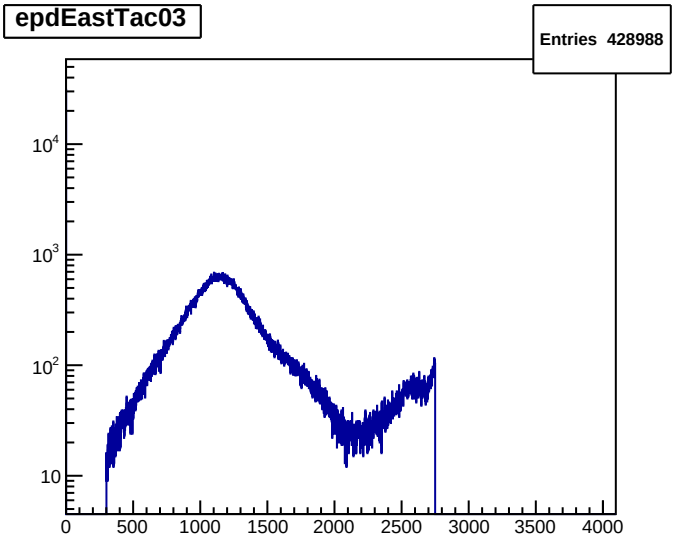

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

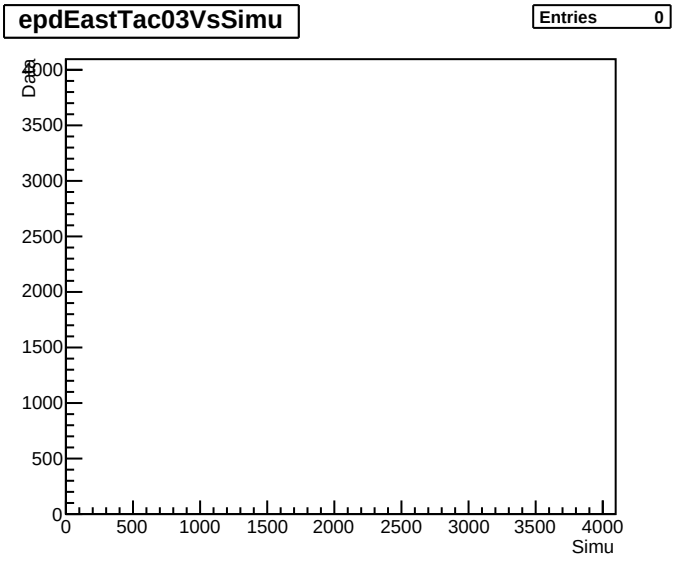

epdWestTacMax
Entries 3431904
TAC
DSM Input Channel

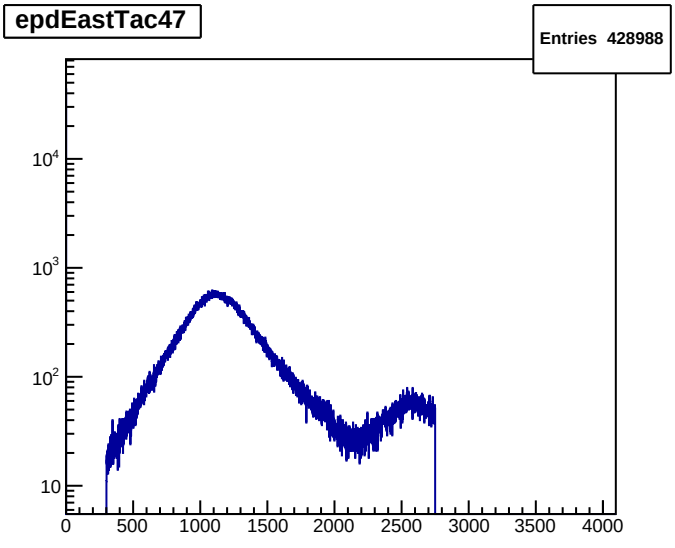

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

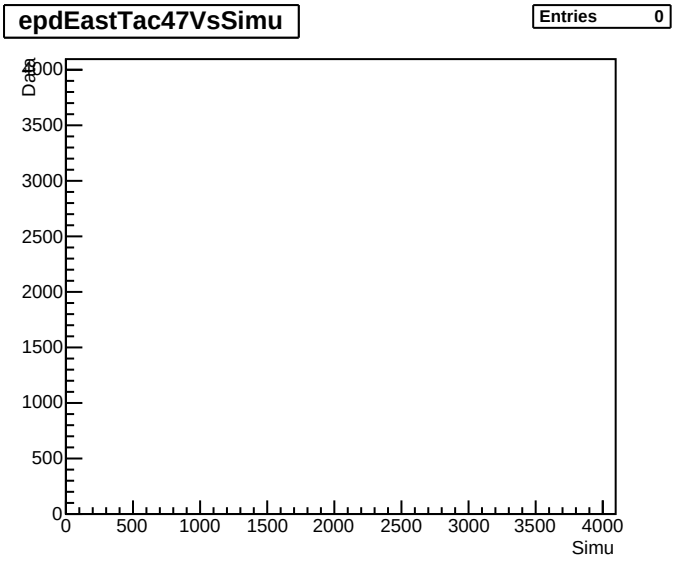

epdWestTHits
Entries 3431904
Truncated NHits
DSMInput Channel

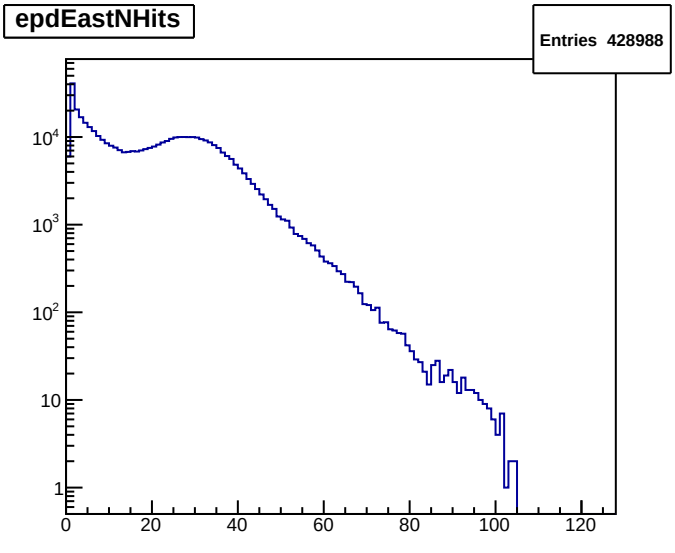

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

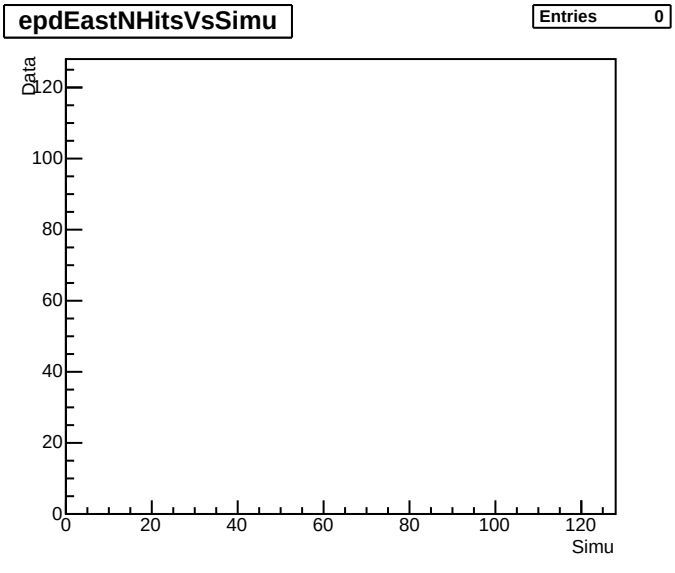

epdEastTac03
Entries 428988
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

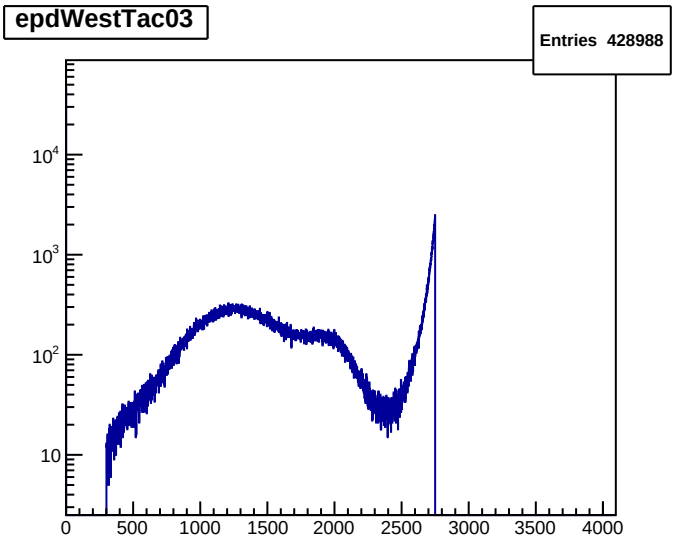

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

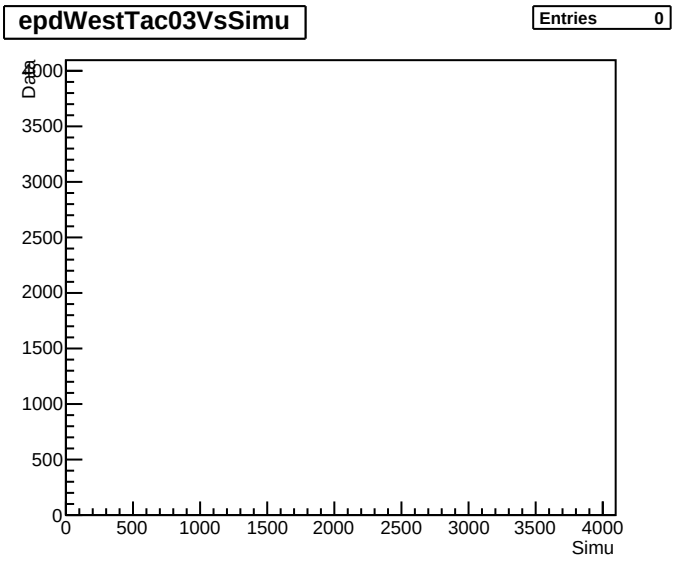

epdEastTac47
Entries 428988
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

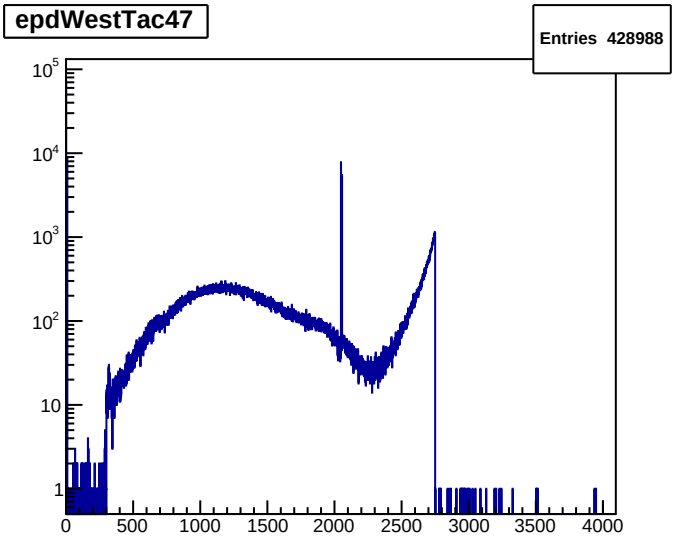

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

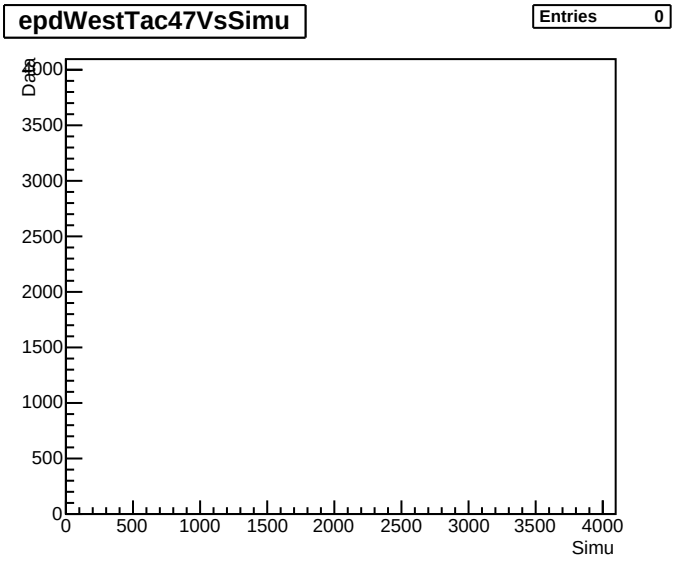

epdEastNHits
Entries 428988
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

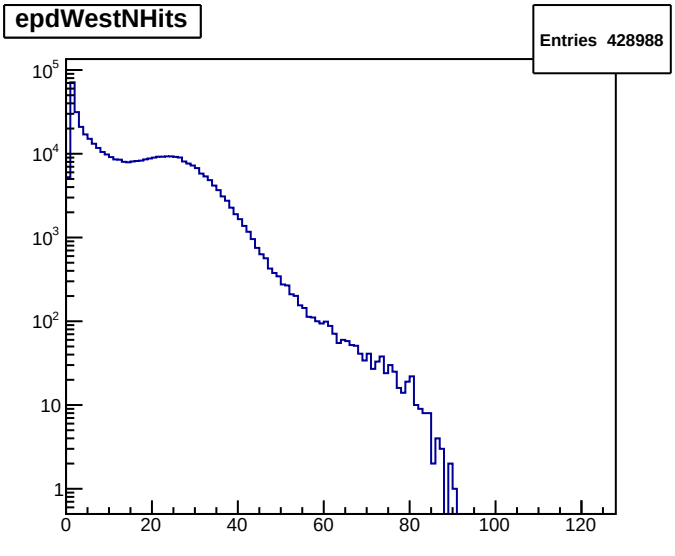

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

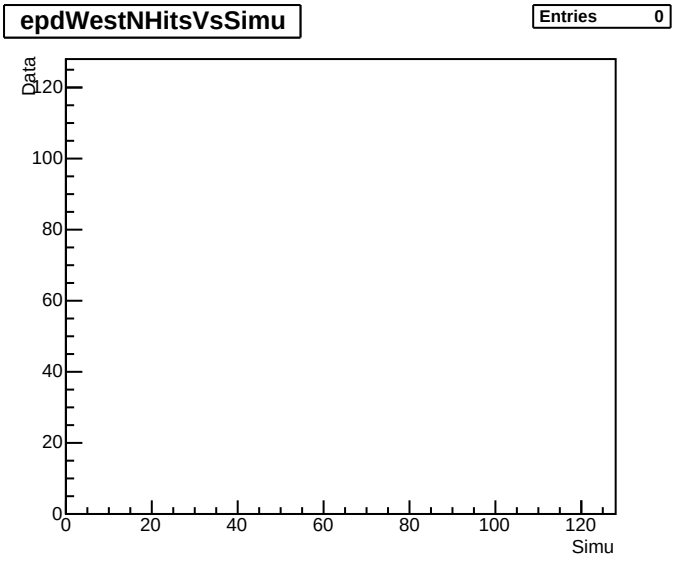

epdWestTac03
Entries 428988

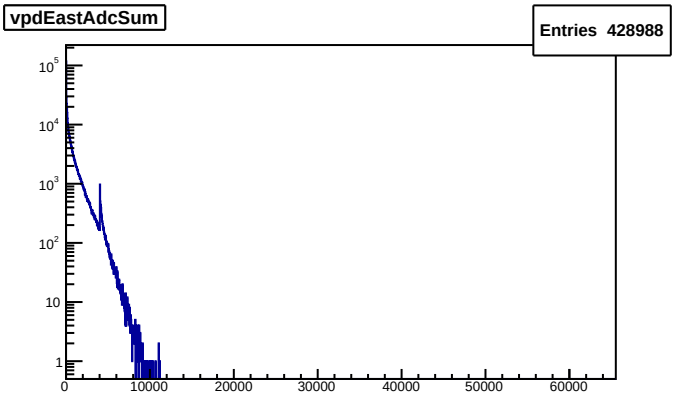

epdWestTac03VsSimu
Entries 0
Data
Simu

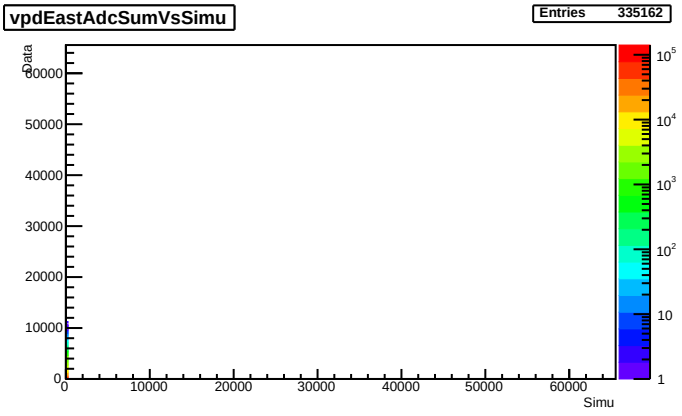

epdWestTac47
Entries 428988

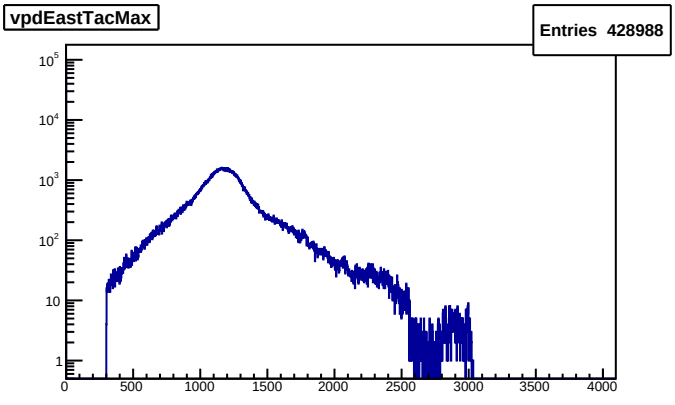

epdWestTac47VsSimu
Entries 0
Data
Simu

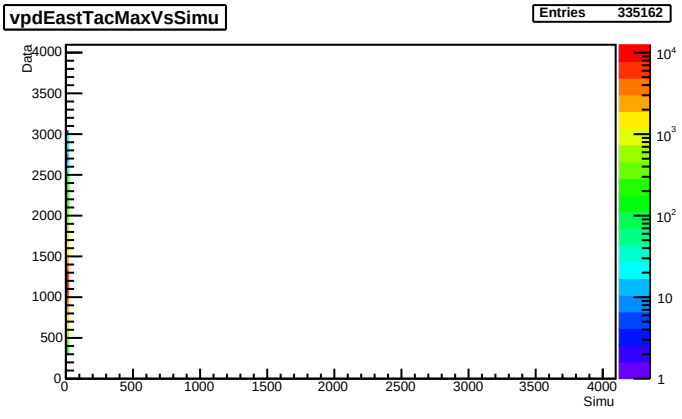

epdWestNHits
Entries 428988

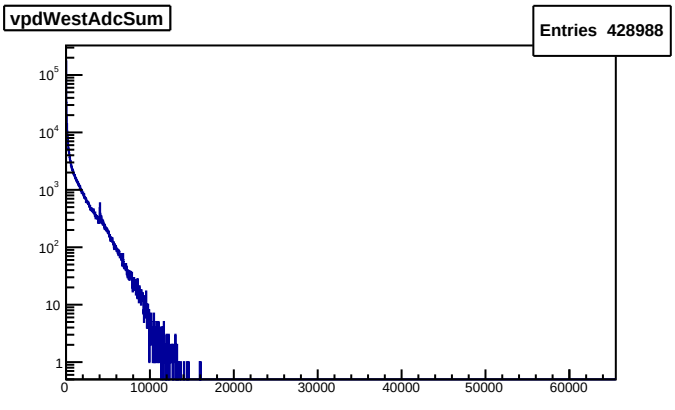

epdWestNHitsVsSimu
Entries 0
Data
Simu

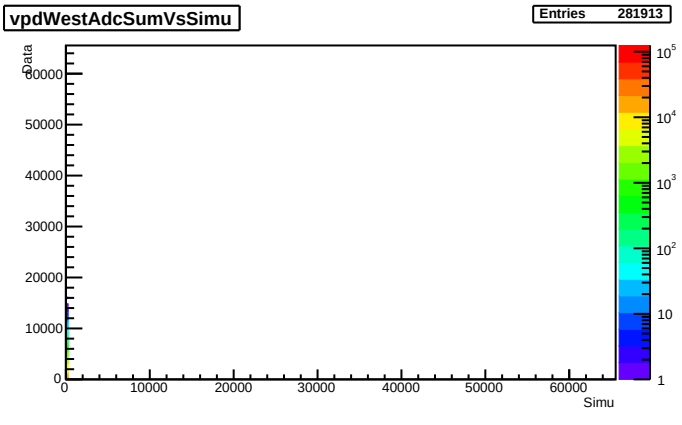

vpdEastAdcSum
Entries 428988

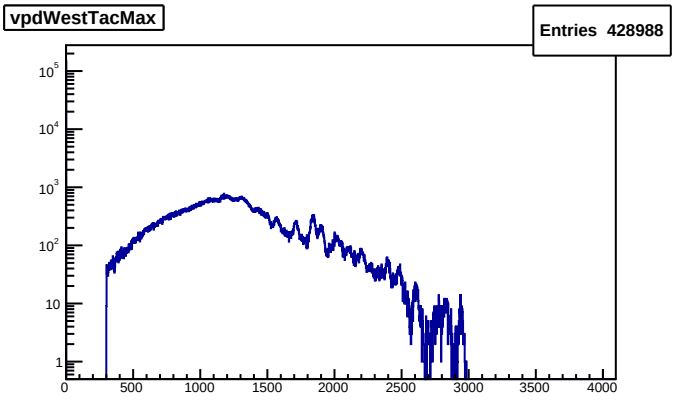

vpdEastAdcSumVsSimu
Entries 335162
Data
Simu

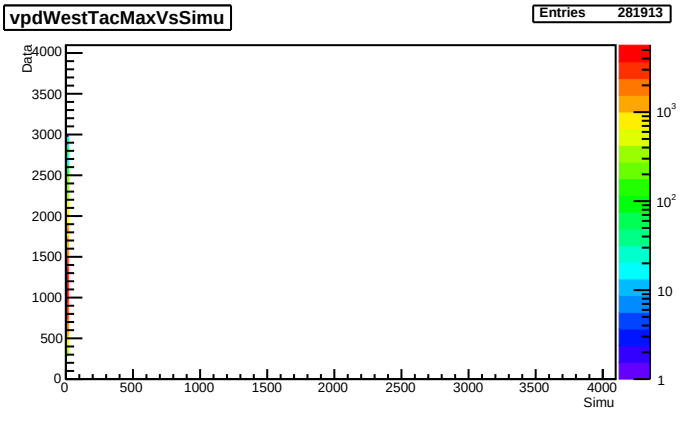

vpdEastTacMax
Entries 428988

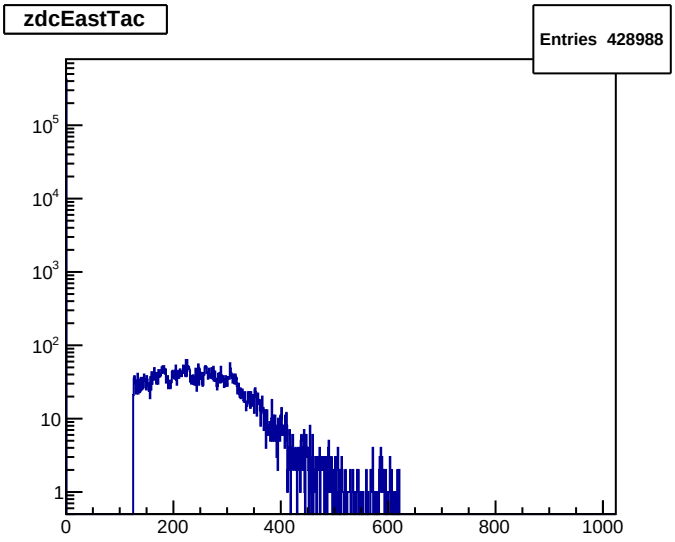

vpdEastTacMaxVsSimu
Entries 335162
Data
Simu

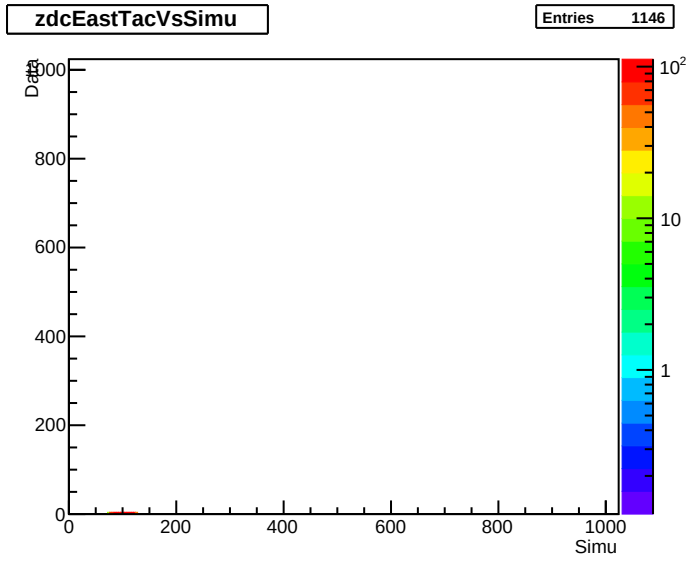

vpdWestAdcSum
Entries 428988

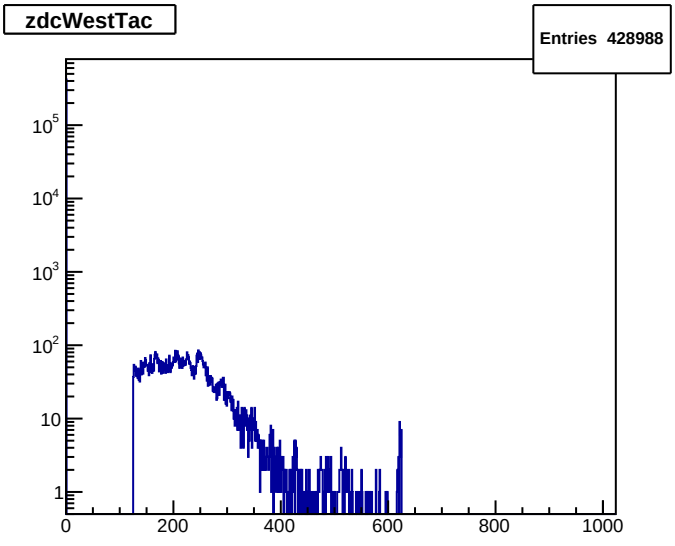

vpdWestAdcSumVsSimu
Entries 281913
Data
Simu

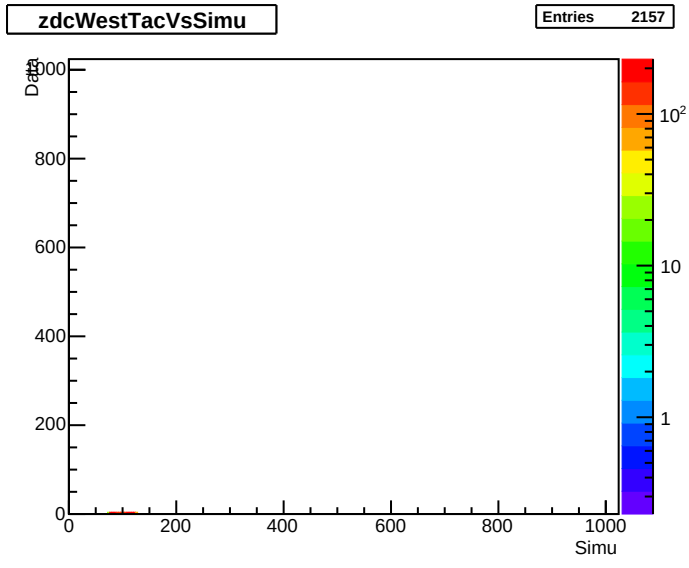

vpdWestTacMax
Entries 428988

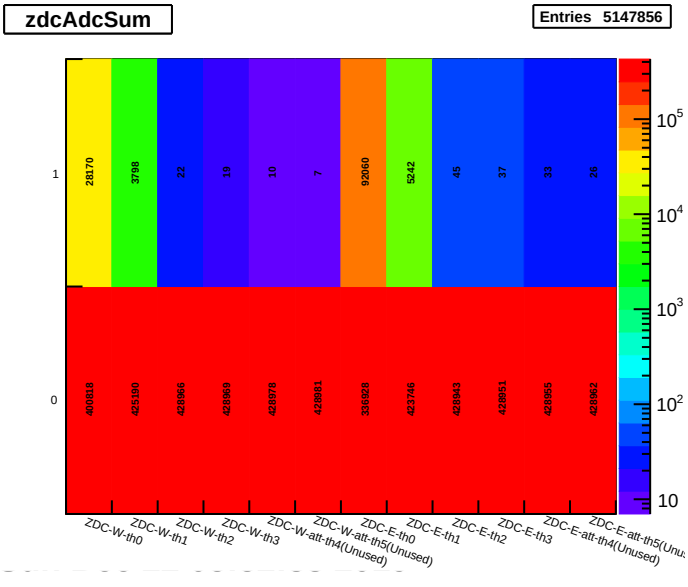

vpdWestTacMaxVsSimu
Entries 281913
Data
Simu

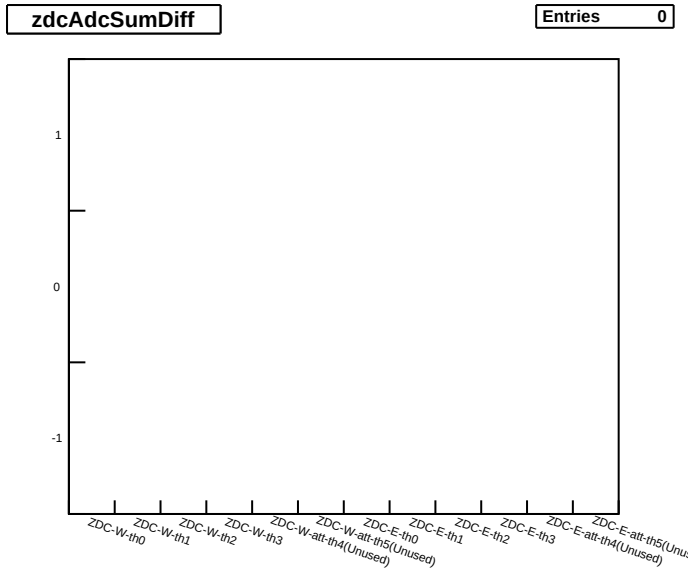

zdcEastTac
Entries 428988

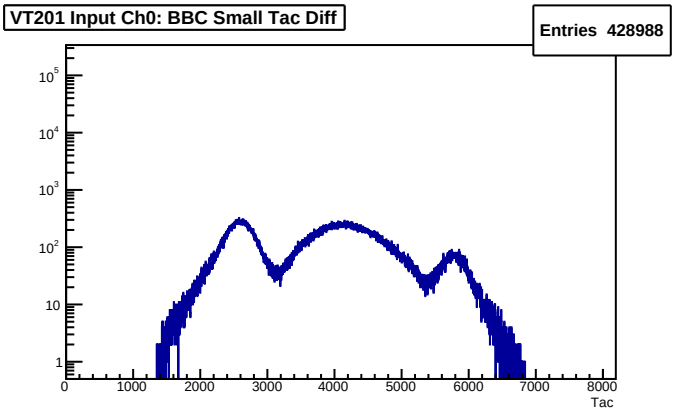

zdcEastTacVsSimu
Entries 1146
Data
Simu

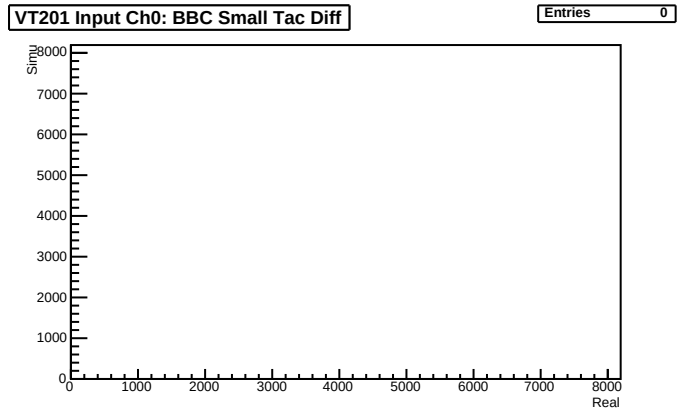

zdcWestTac
Entries 428988

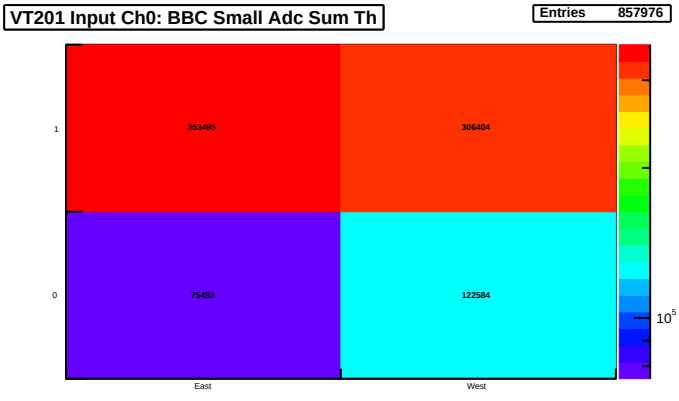

zdcWestTacVsSimu
Entries 2157
Data
Simu

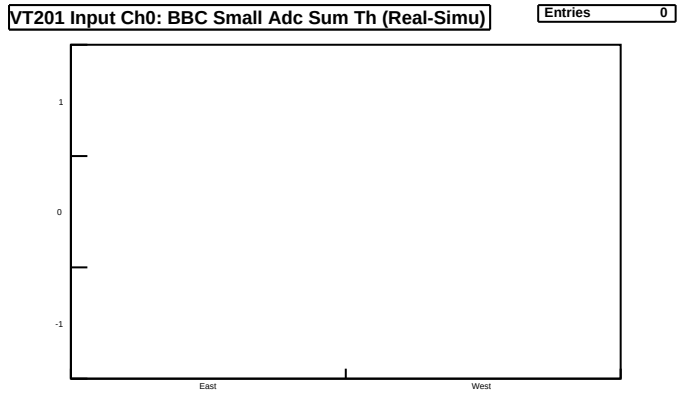

zdcAdcSum
Entries 5147856
28170
3798
22
19
10
7
92060
5242
45
37
33
26
400818
425190
428966
428969
428978
428981
336928
423746
428943
428951
428955
428962
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

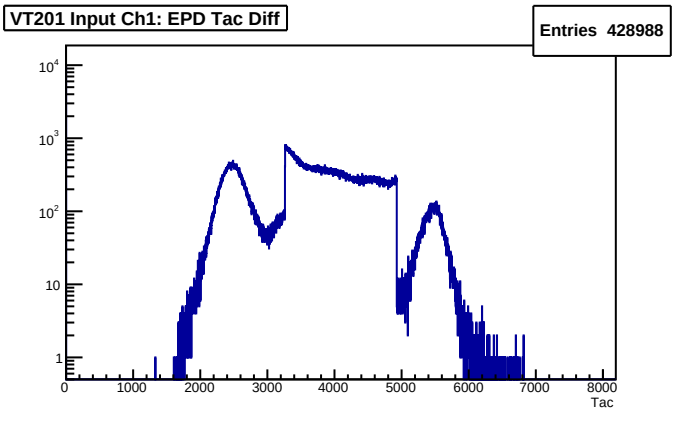

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

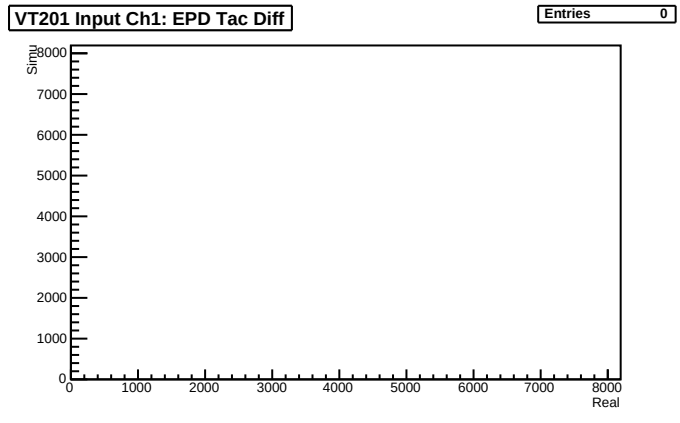

VT201 Input Ch0: BBC Small Tac Diff
Entries 428988
Tac

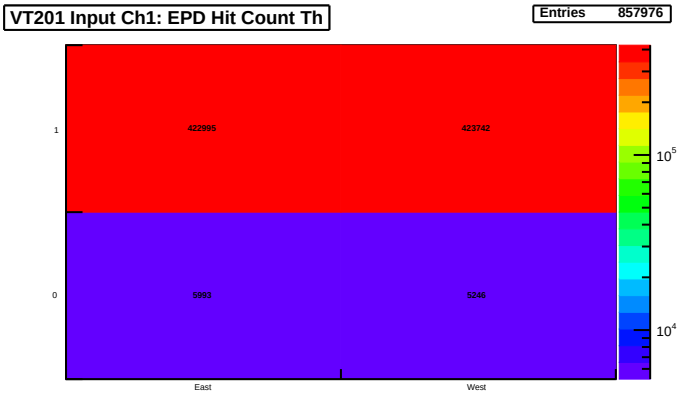

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

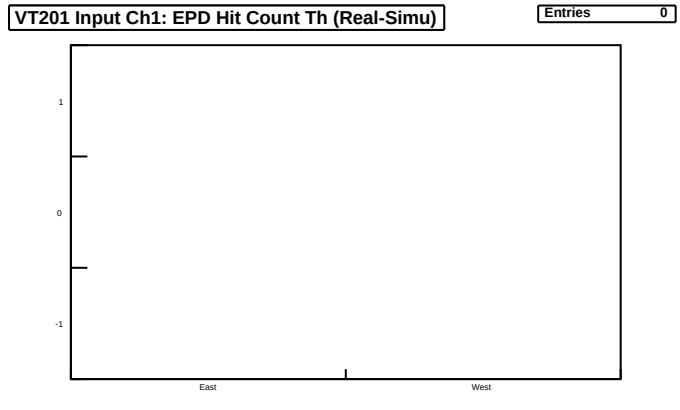

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 857976
353495
306404
75493
122584
East
West

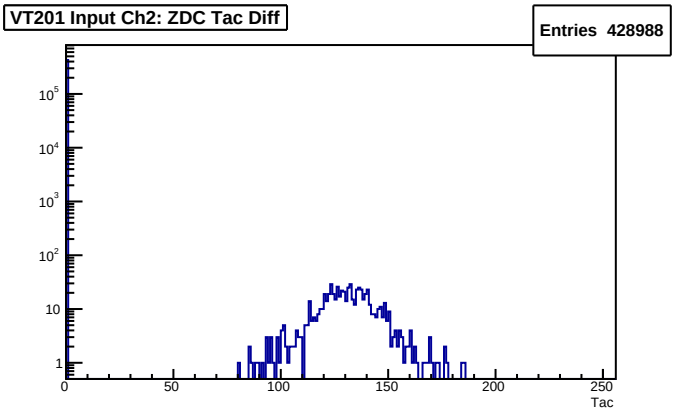

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

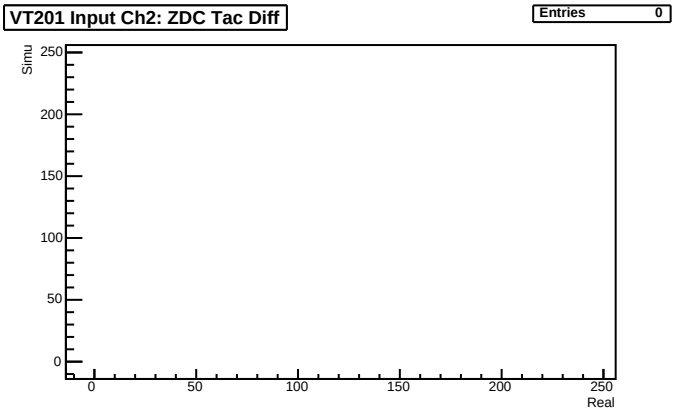

VT201 Input Ch1: EPD Tac Diff
Entries 428988
Tac

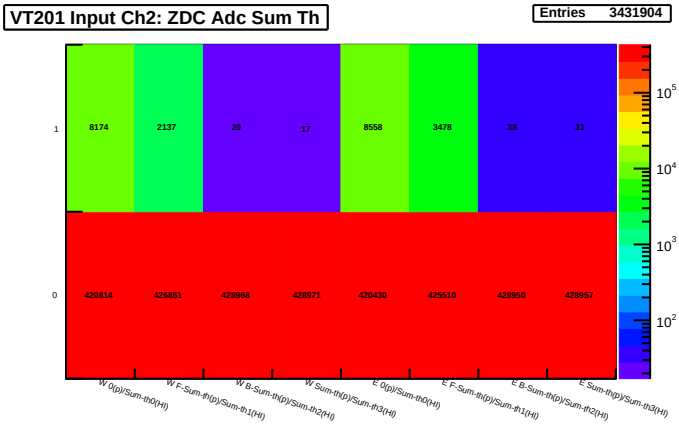

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

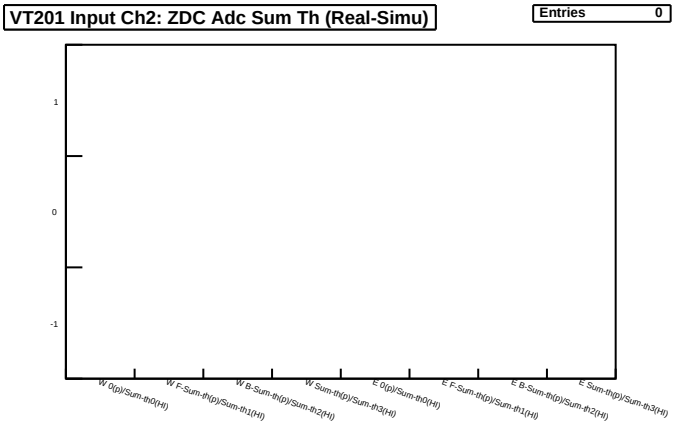

VT201 Input Ch1: EPD Hit Count Th
Entries 857976
422995
423742
5993
5246
East
West

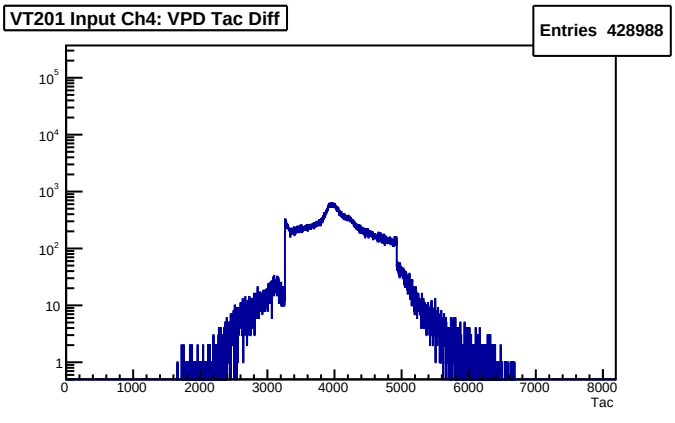

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

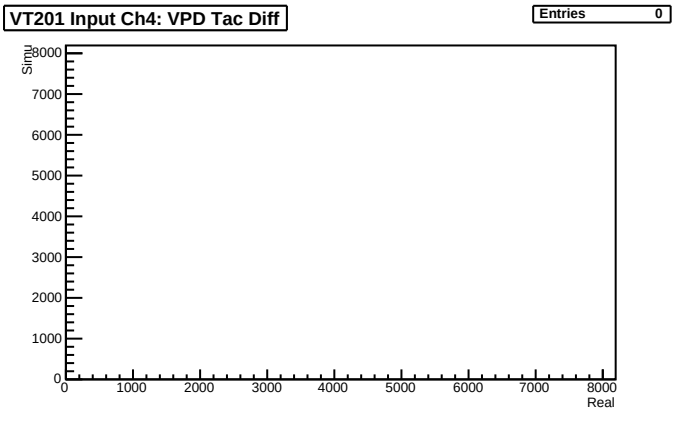

VT201 Input Ch2: ZDC Tac Diff
Entries 428988
Tac

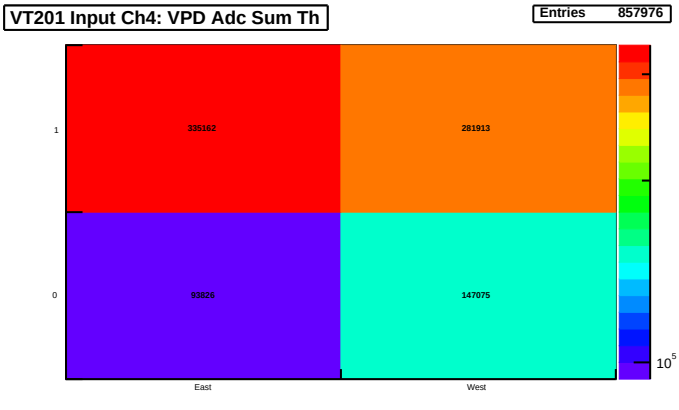

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

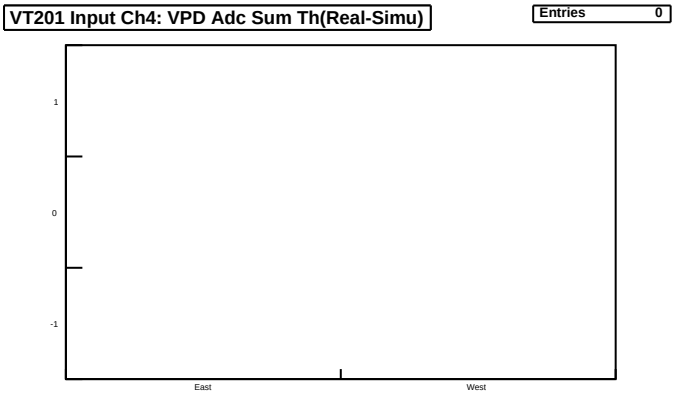

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3431904
8174
2137
20
17
8558
3478
38
31
420814
426851
428968
428971
420430
425510
428950
428957
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

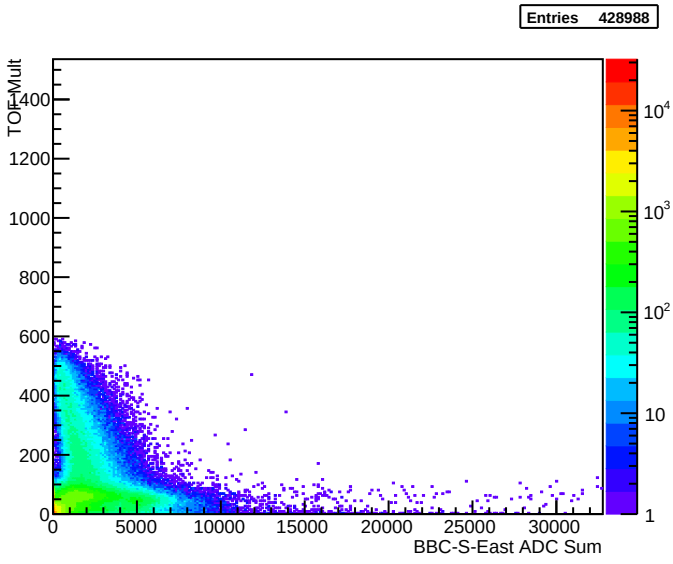

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

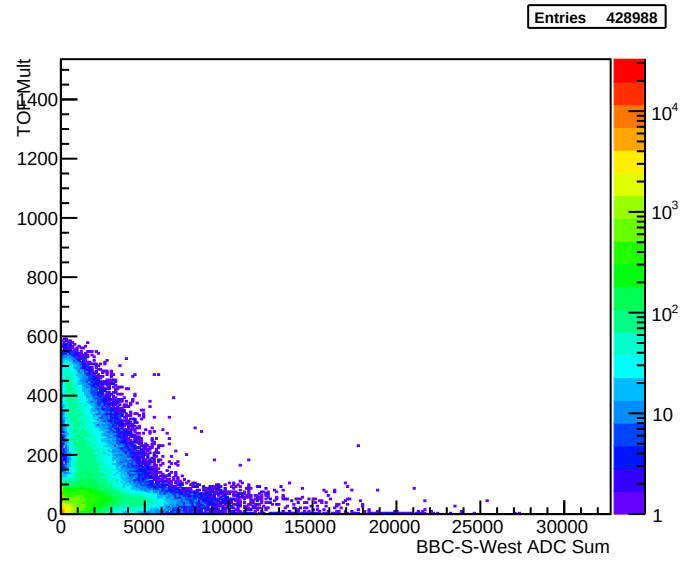

VT201 Input Ch4: VPD Tac Diff
Entries 428988
Tac

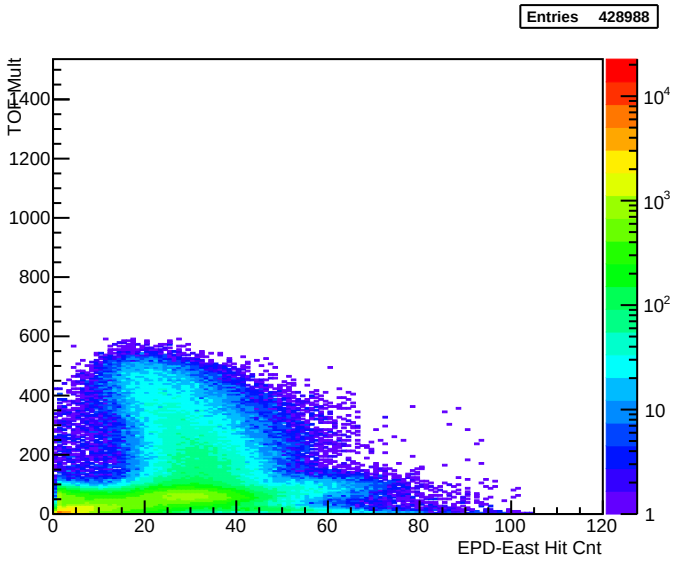

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

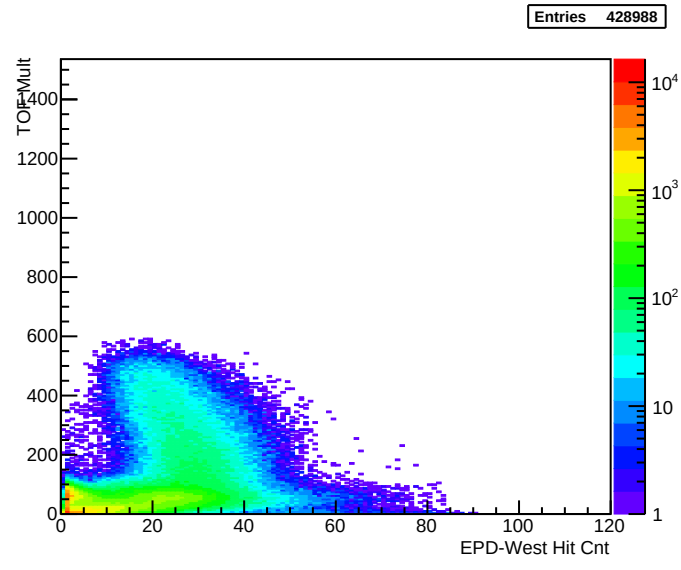

VT201 Input Ch4: VPD Adc Sum Th
Entries 857976
335162
281913
93826
147075
East
West

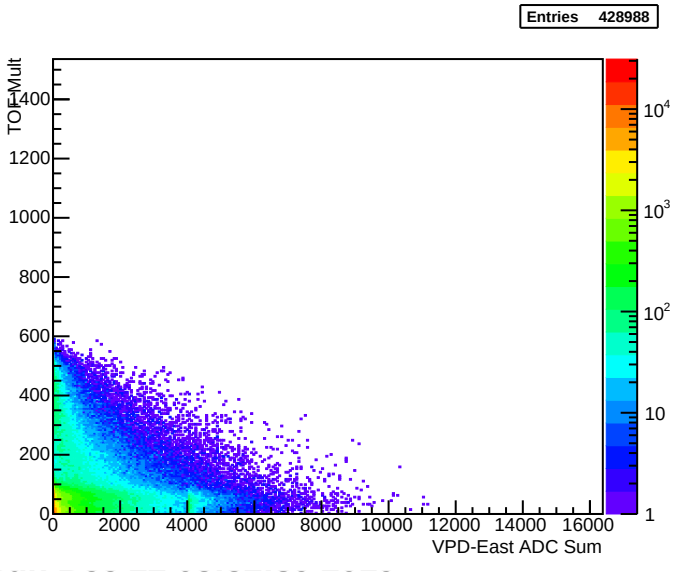

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

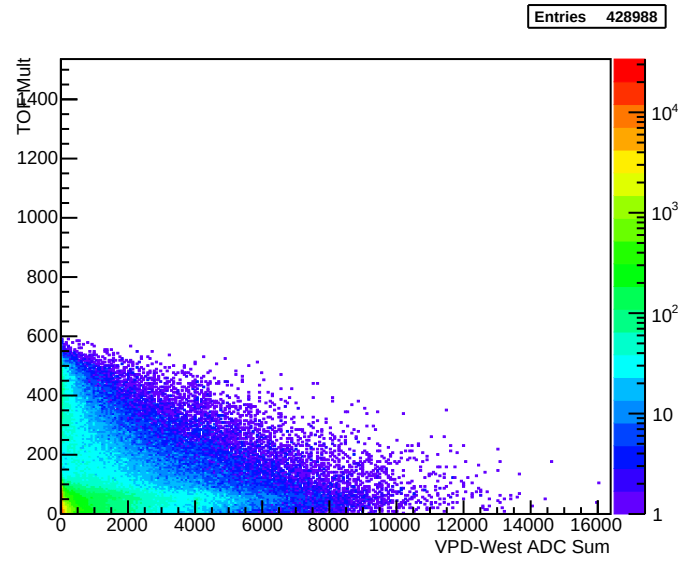

Entries 428988
TOF-Mult
BBC-S-East ADC Sum

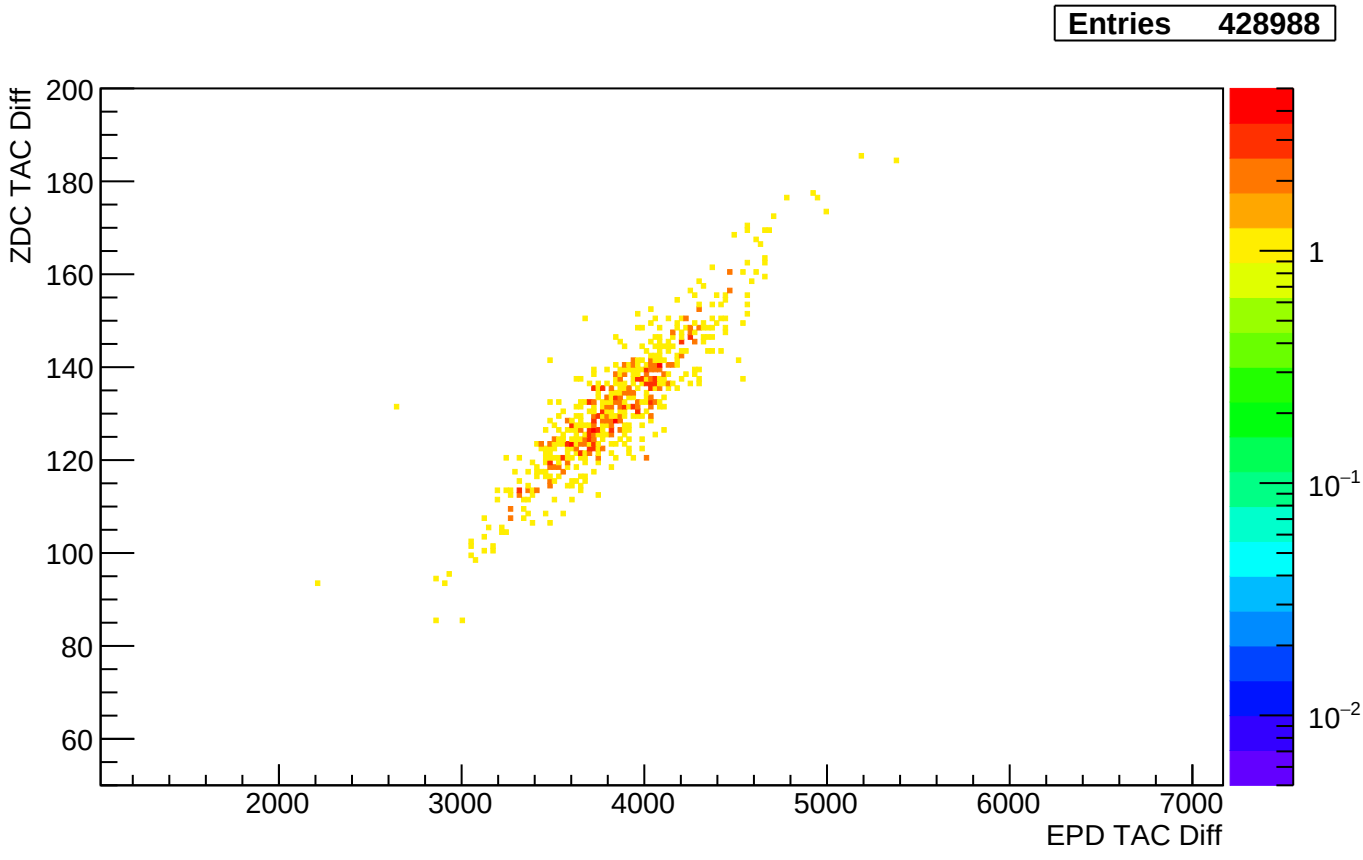

Entries 428988
TOF-Mult
BBC-S-West ADC Sum

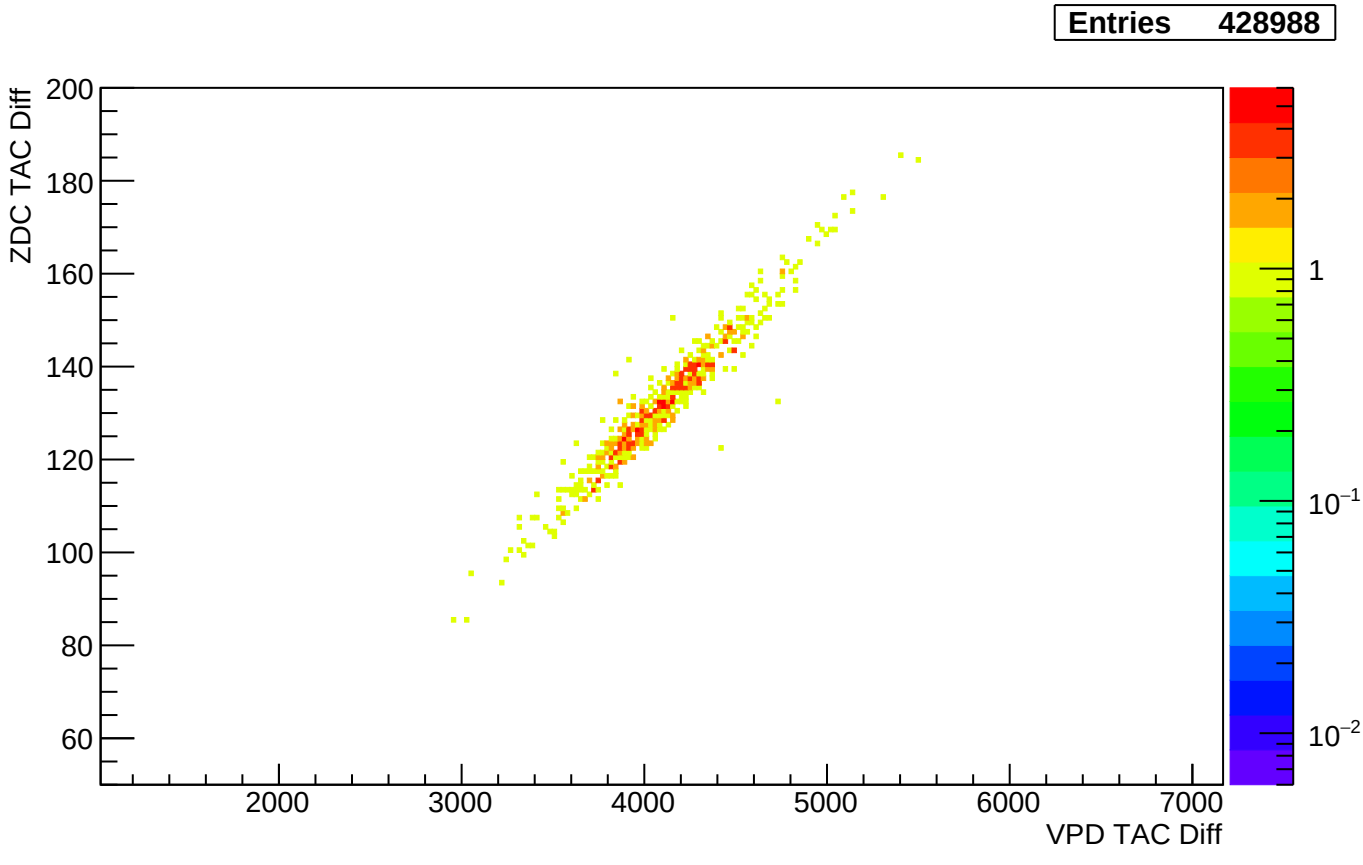

Entries 428988
TOF-Mult
EPD-East Hit Cnt

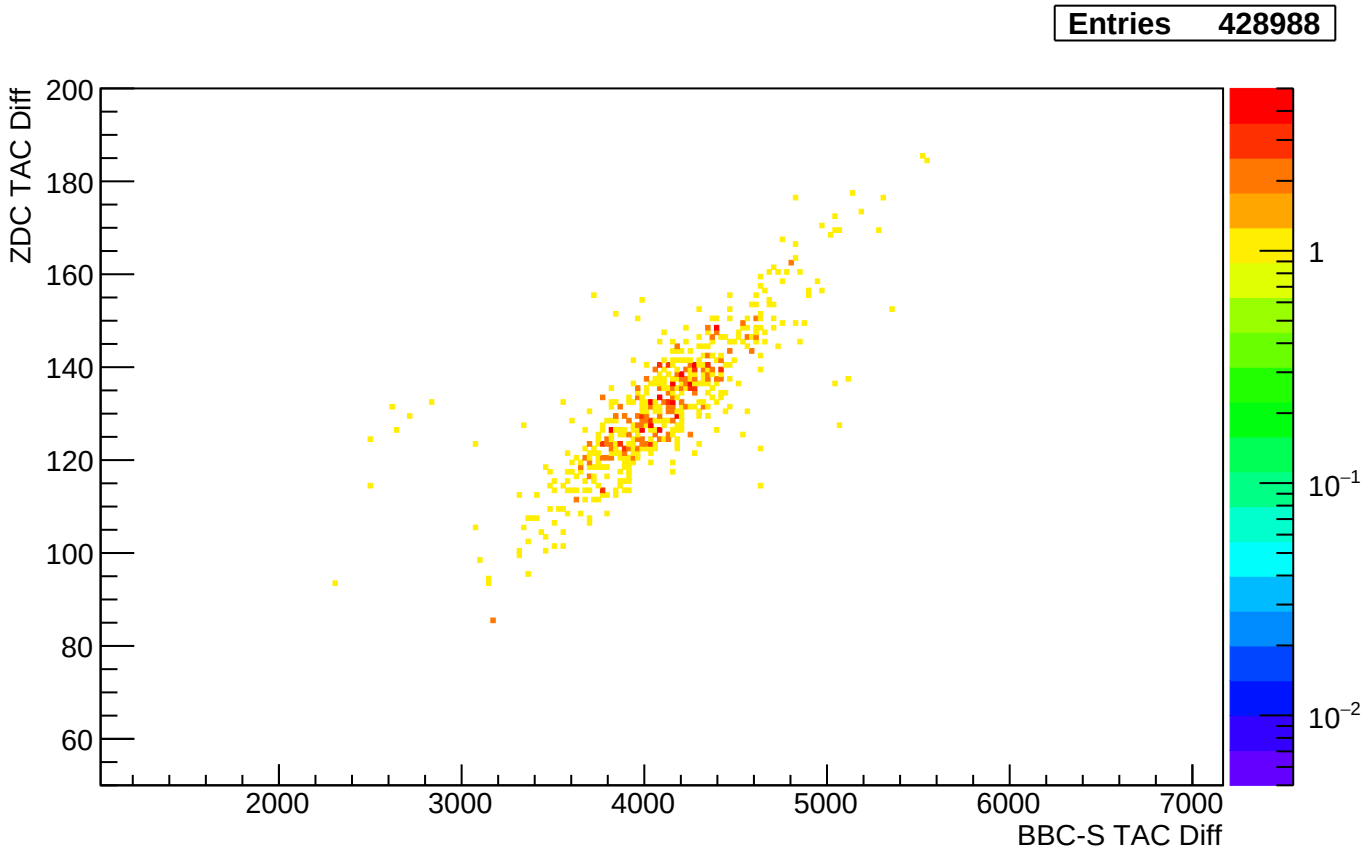

Entries 428988
TOF-Mult
EPD-West Hit Cnt

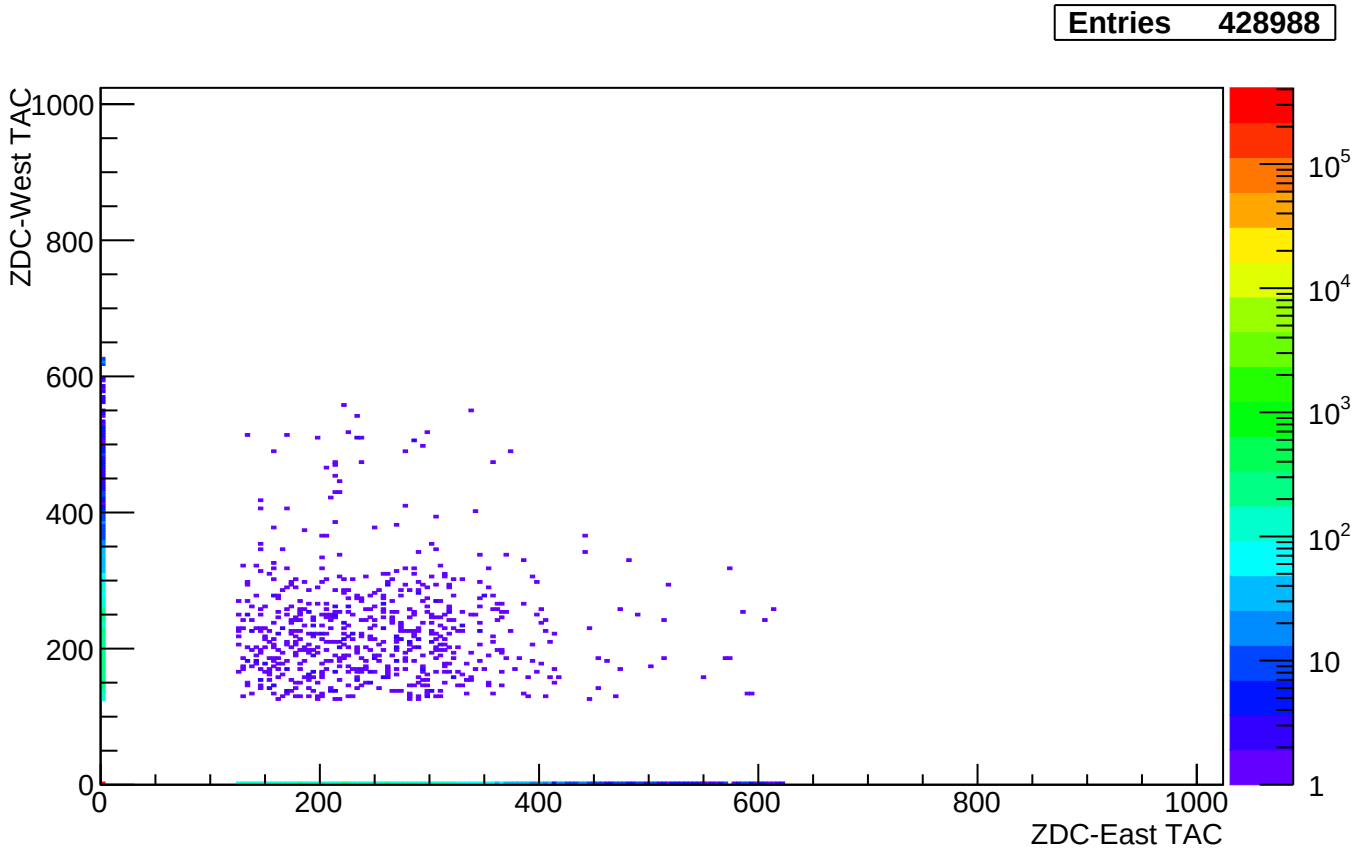

Entries 428988
TOF-Mult
VPD-East ADC Sum

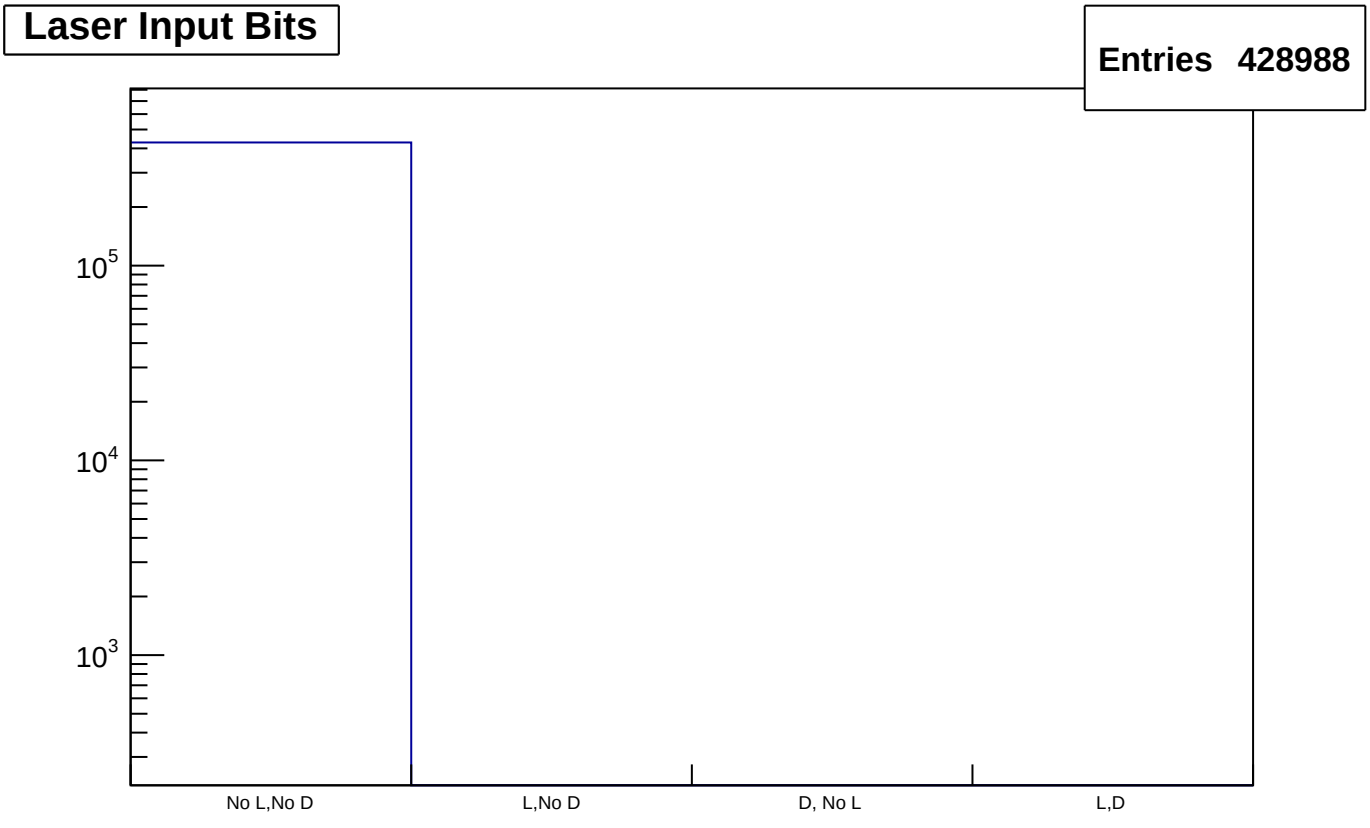

Entries 428988
TOF-Mult
VPD-West ADC Sum

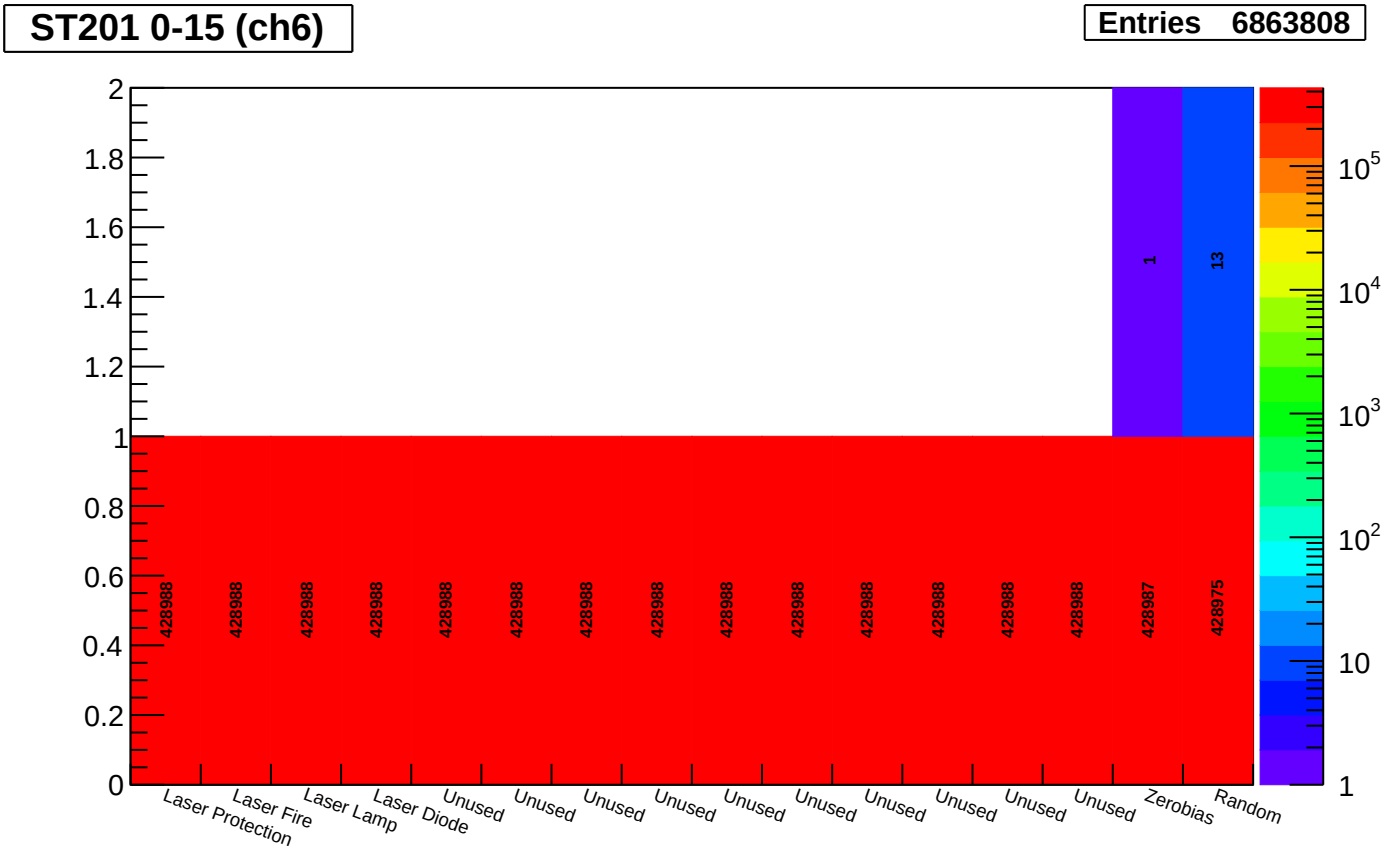

Entries 428988
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

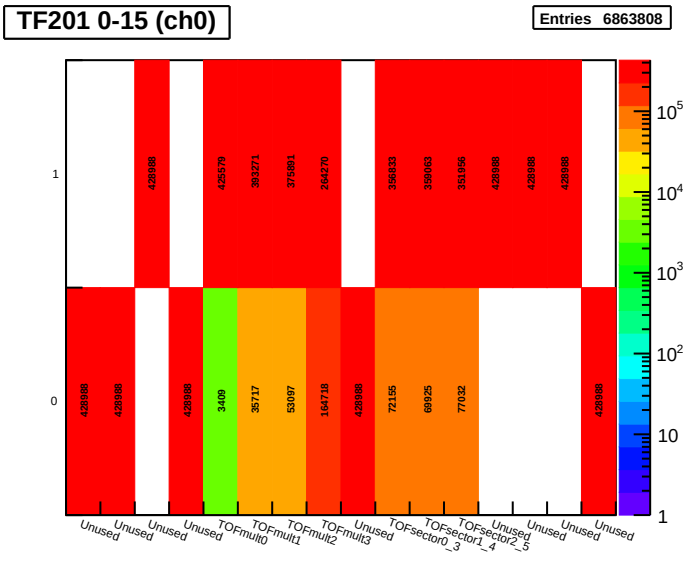

Entries 428988
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

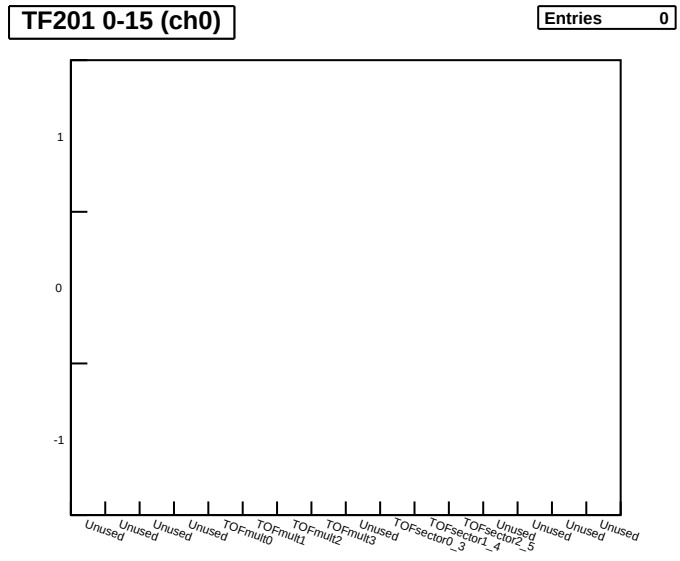

Entries 428988
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

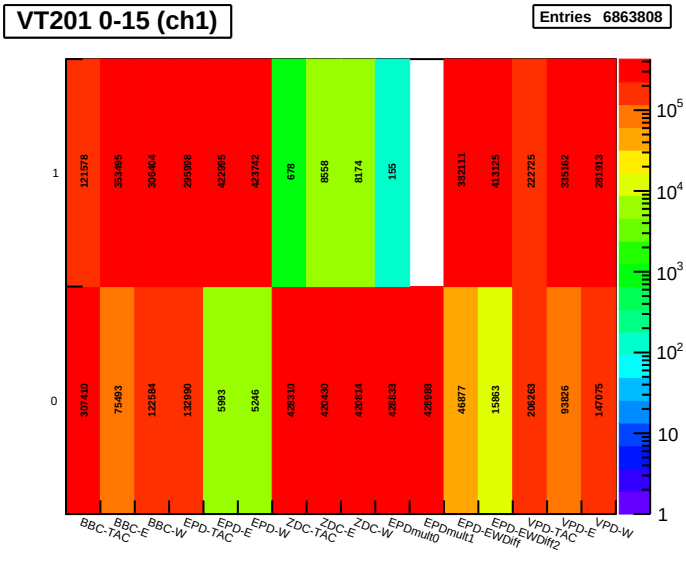

Entries 428988
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

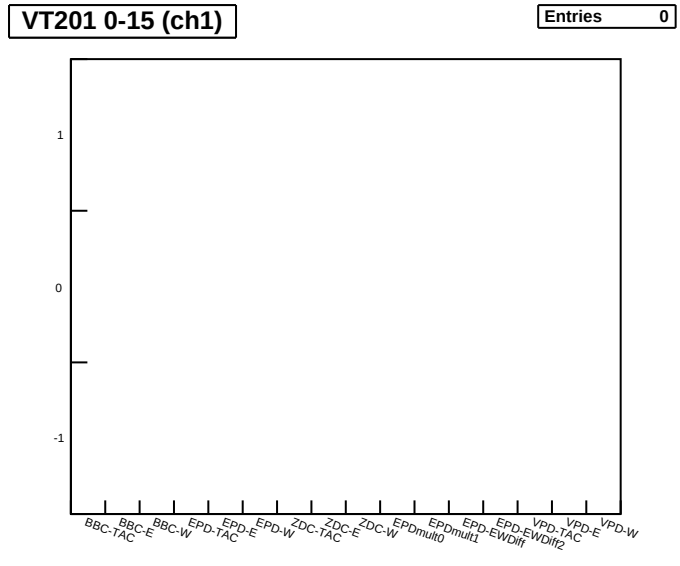

Laser Input Bits
Entries 428988
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

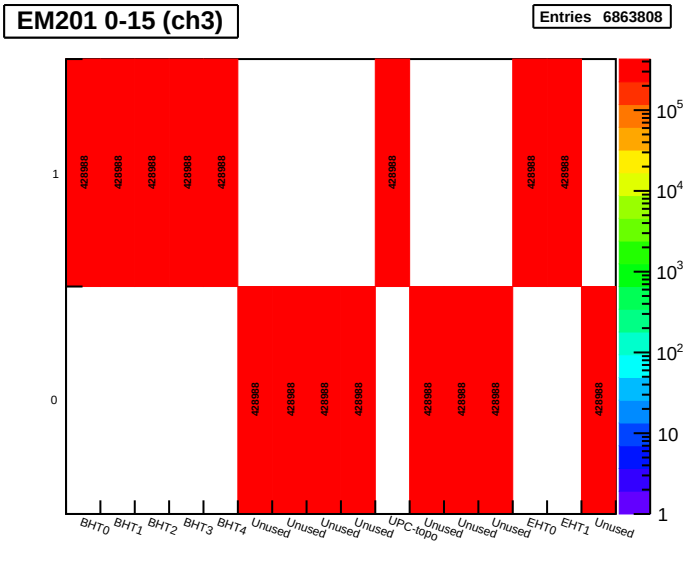

ST201 0-15 (ch6)
Entries 6863808
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428987
428975
1
13
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

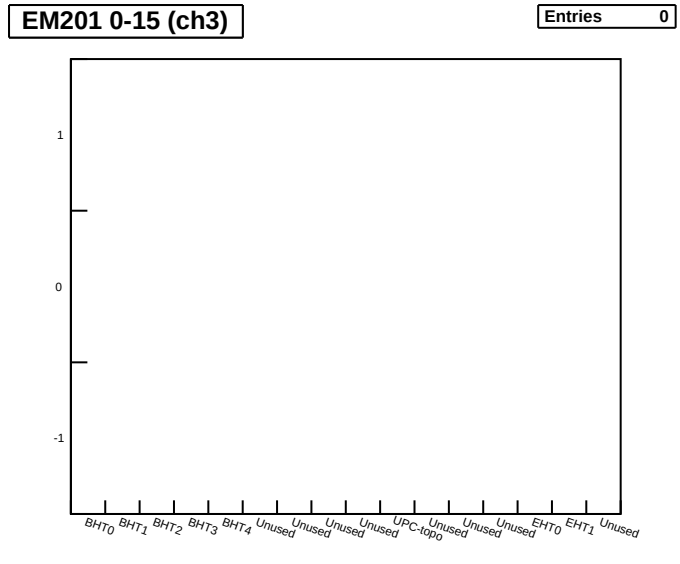

TF201 0-15 (ch0)
Entries 6863808
1
0
428988
425579
393271
375891
294270
356833
359063
351956
428988
428988
428988
428988
428988
3409
35717
53097
164718
428988
72195
69925
77032
428988
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 6863808
1
0
121578
353495
306404
295998
422995
423742
678
8558
8174
155
382111
413125
222725
335162
281913
307410
75493
122584
132990
5993
5246
428310
420430
420814
428833
428988
46877
15863
206263
93826
147075
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 6863808
1
0
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
428988
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