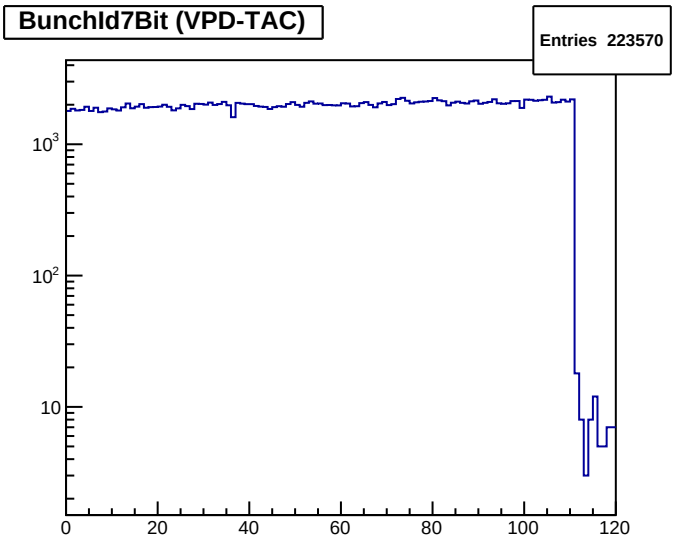
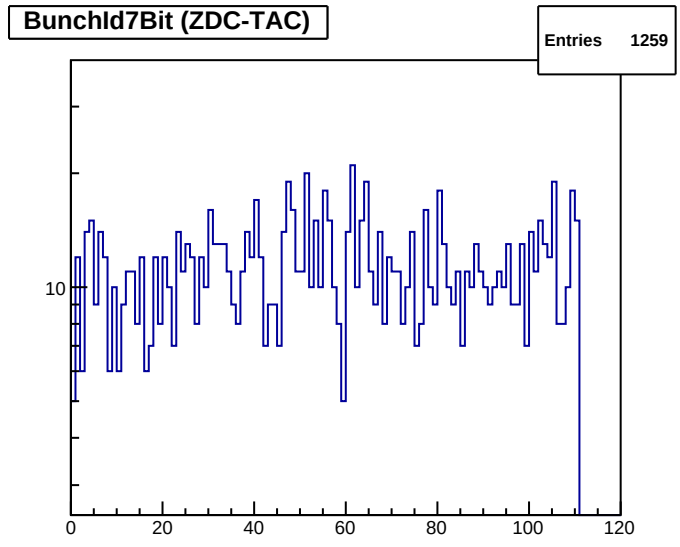
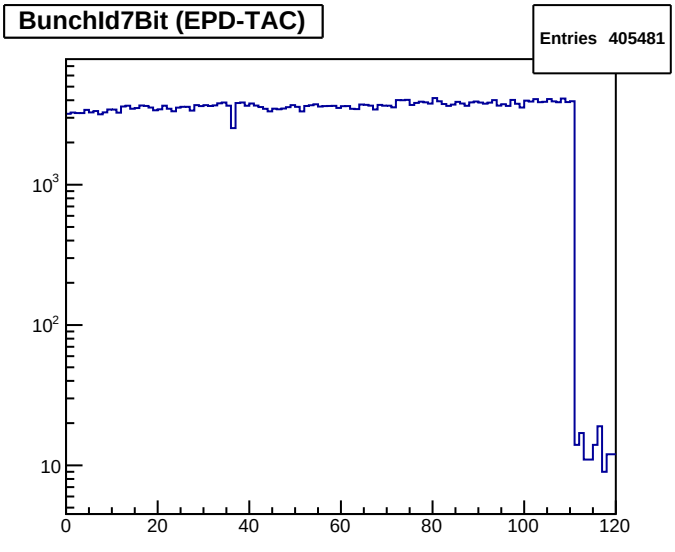
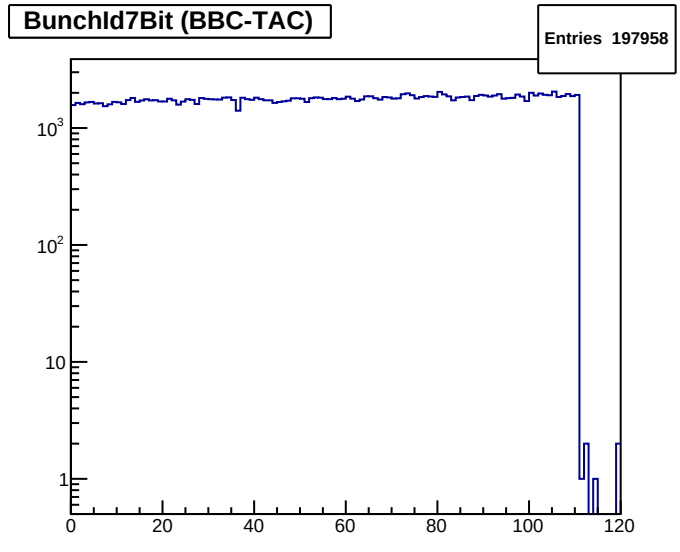
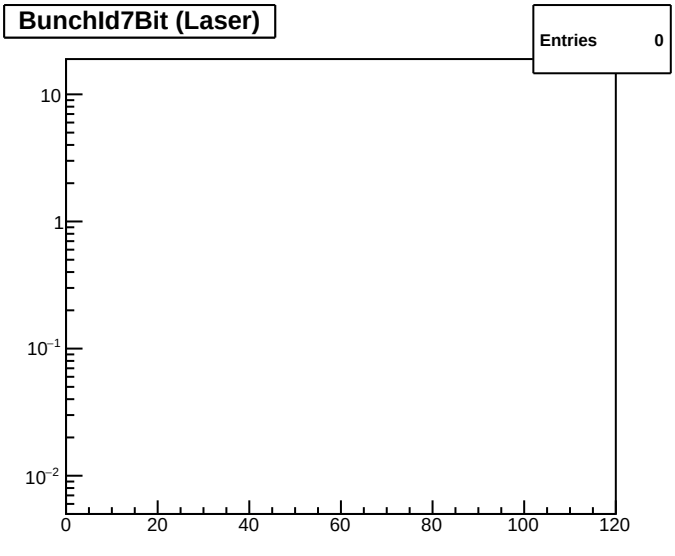
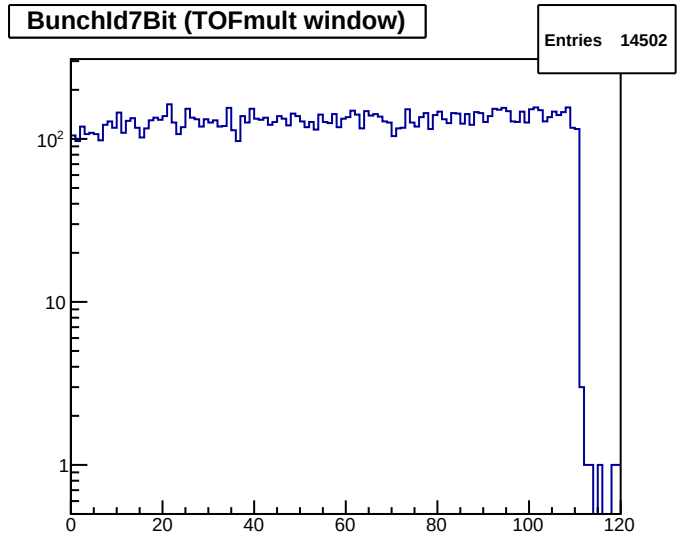

BunchId7Bit (VPD-TAC)
Entries 223570
10^3
10^2
10
0 20 40 60 80 100 120

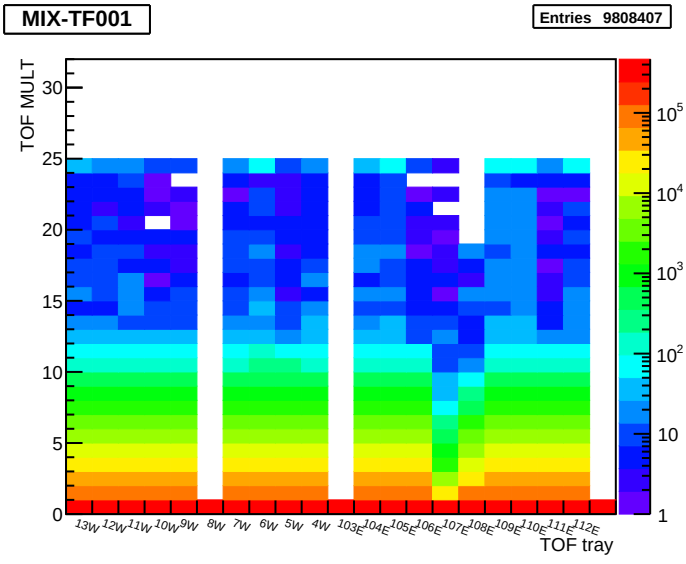

BunchId7Bit (ZDC-TAC)
Entries 1259
10
0 20 40 60 80 100 120

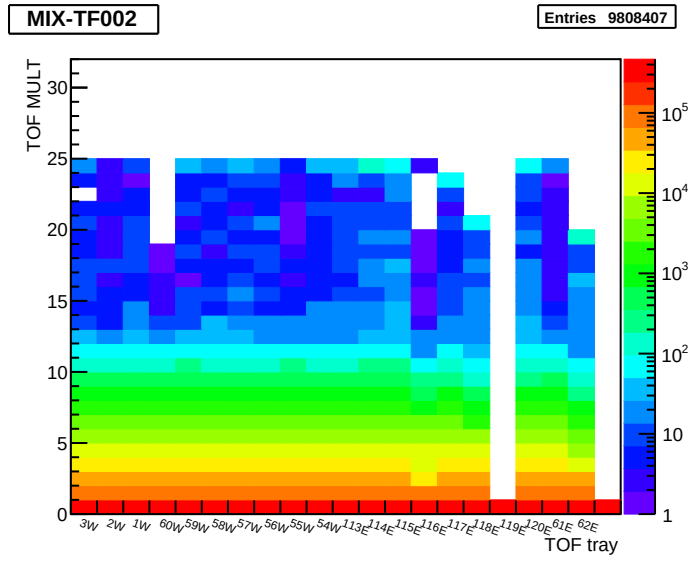

BunchId7Bit (EPD-TAC)
Entries 405481
10^3
10^2
10
0 20 40 60 80 100 120

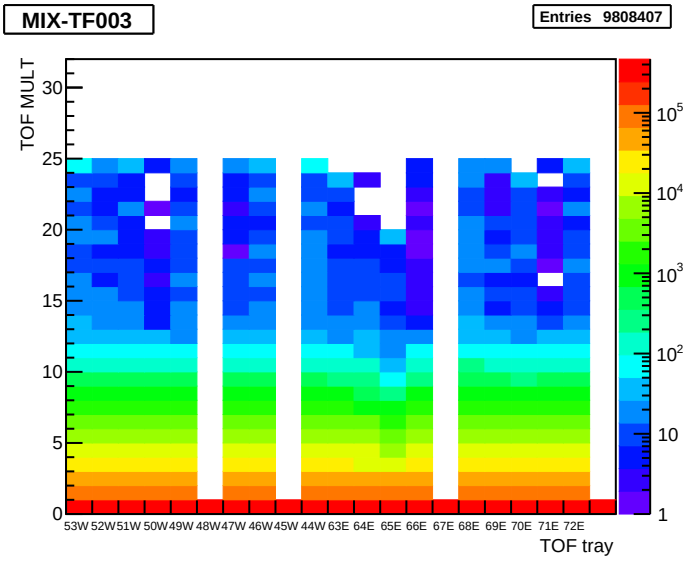

BunchId7Bit (BBC-TAC)
Entries 197958
10^3
10^2
10
1
0 20 40 60 80 100 120

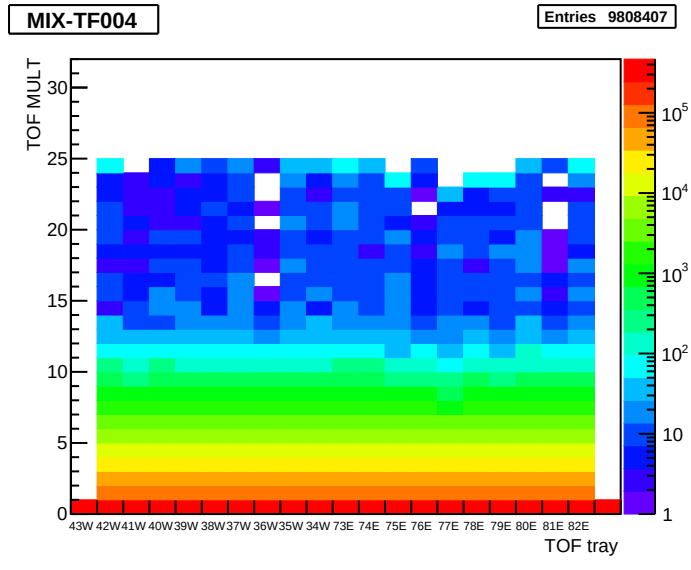

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

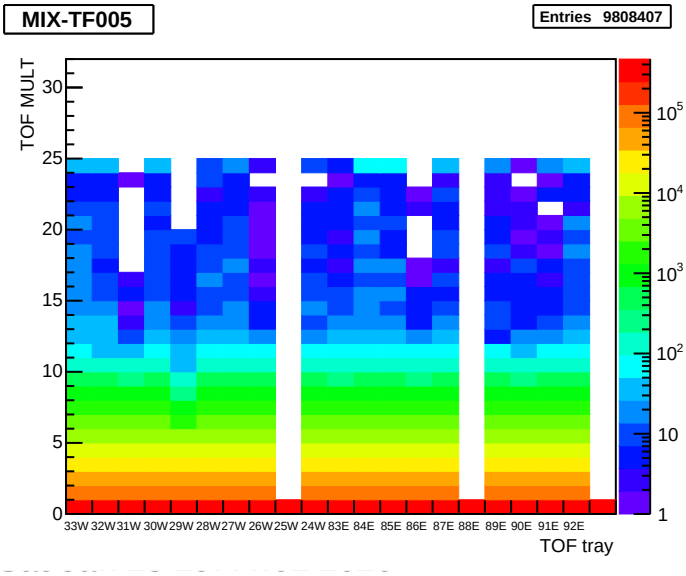

BunchId7Bit (TOFmult window)
Entries 14502
10^2
10
1
0 20 40 60 80 100 120

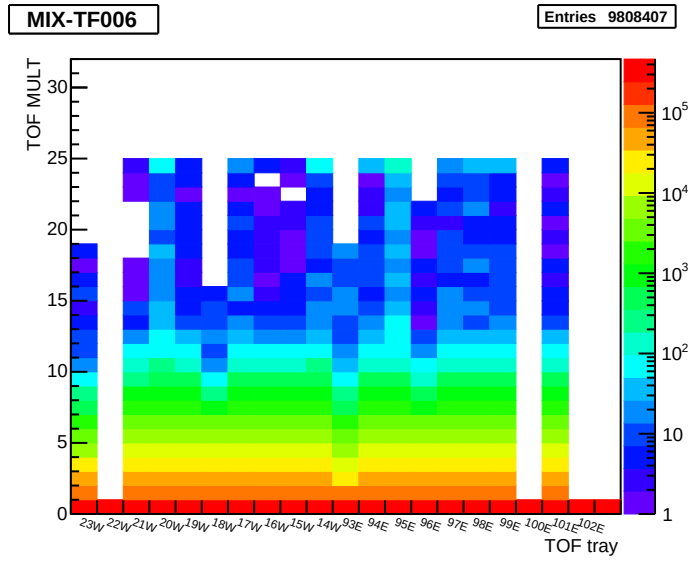

MIX-TF001
Entries 9808407
TOF MULT
TOF tray

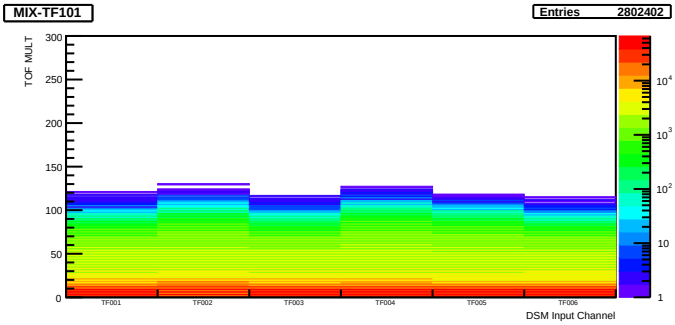

MIX-TF002
Entries 9808407
TOF MULT
TOF tray

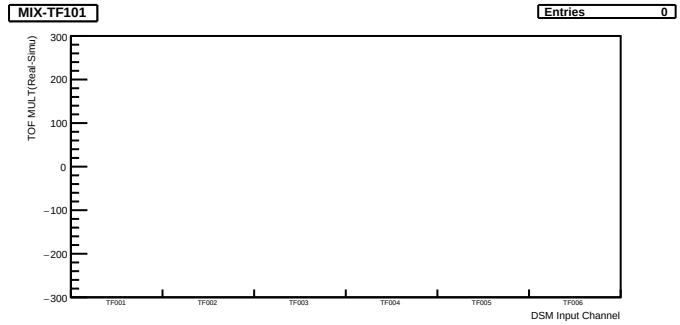

MIX-TF003
Entries 9808407
TOF MULT
TOF tray

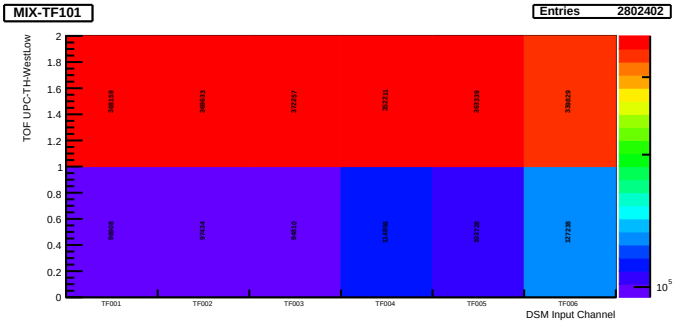

MIX-TF004
Entries 9808407
TOF MULT
TOF tray

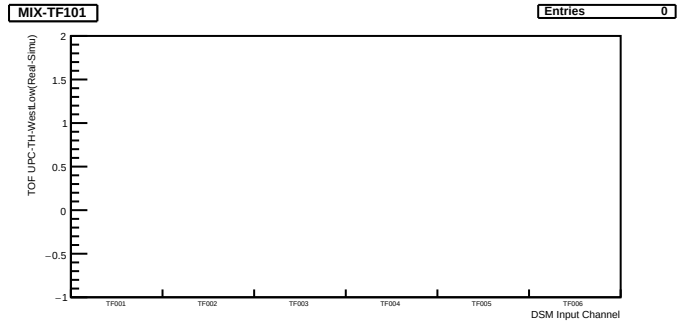

MIX-TF005
Entries 9808407
TOF MULT
TOF tray

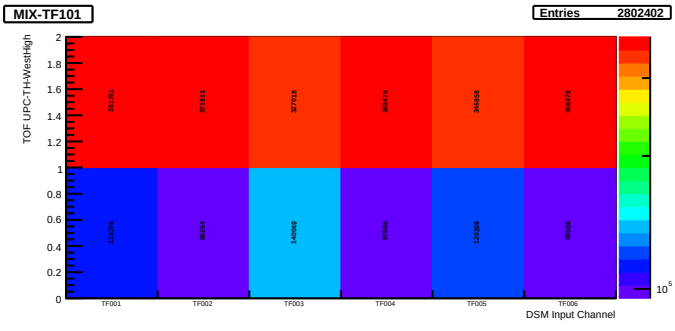

MIX-TF006
Entries 9808407
TOF MULT
TOF tray

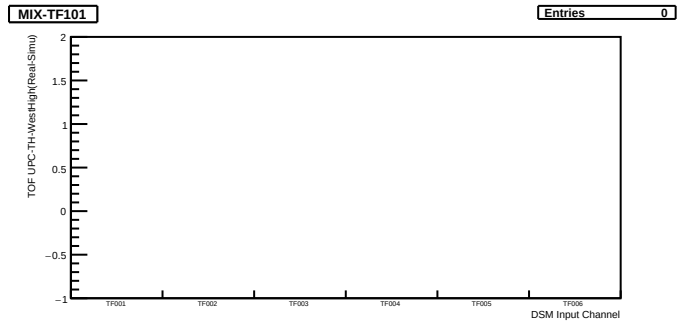

MIX-TF101
Entries 2802402
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

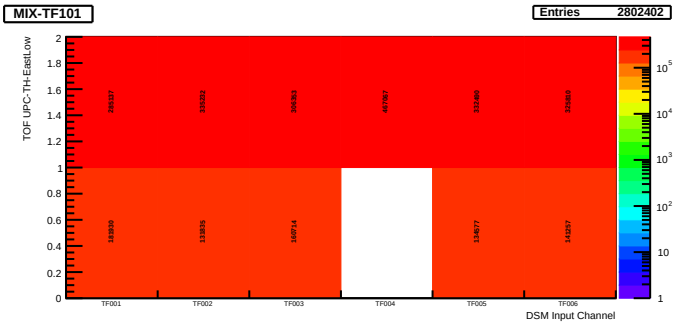

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

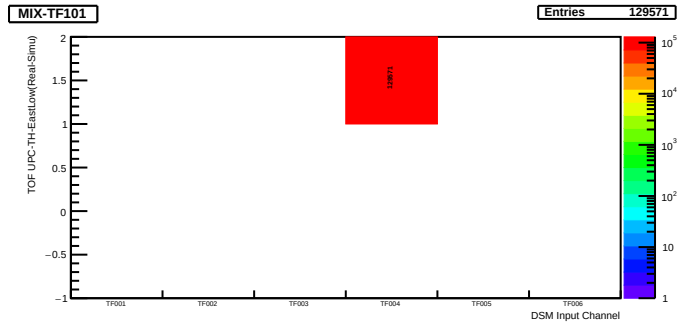

MIX-TF101
Entries 2802402
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

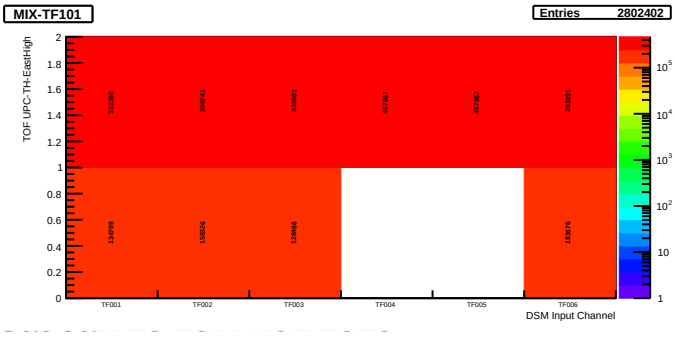

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

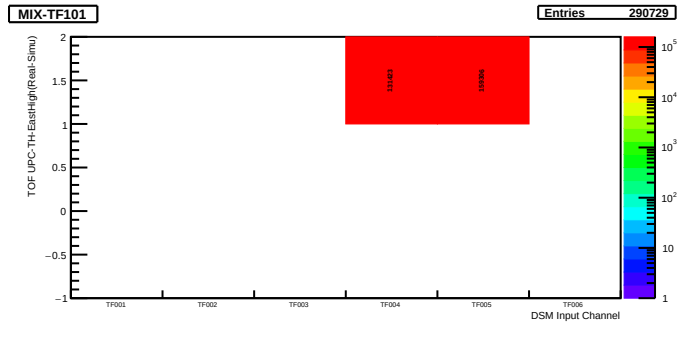

MIX-TF101
Entries 2802402
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

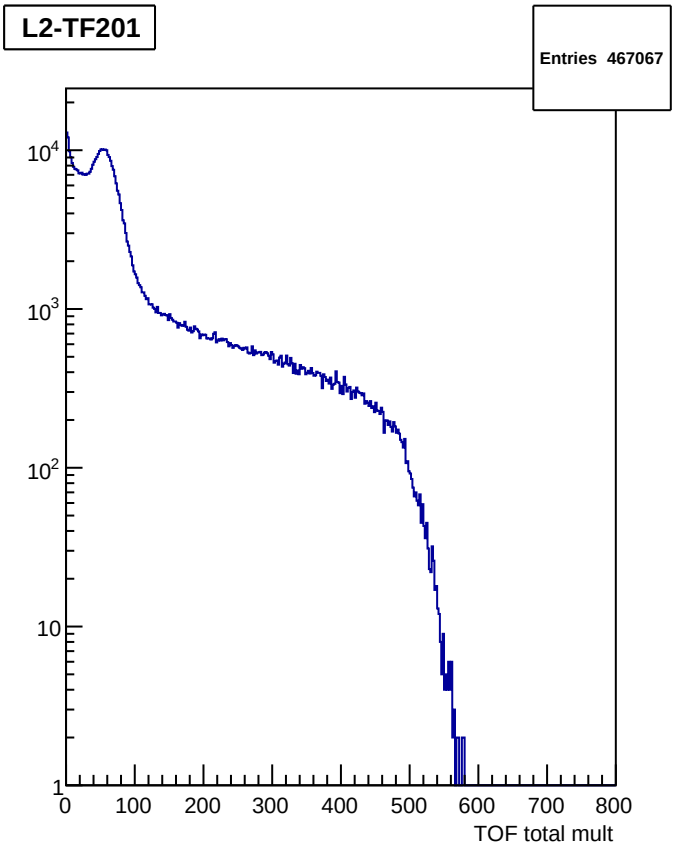

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

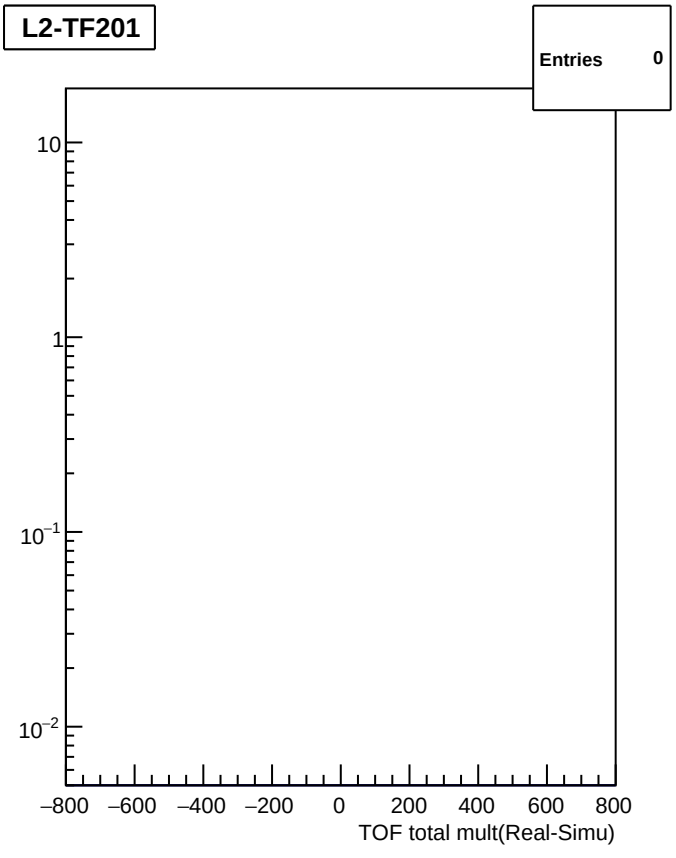

MIX-TF101
Entries 2802402
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

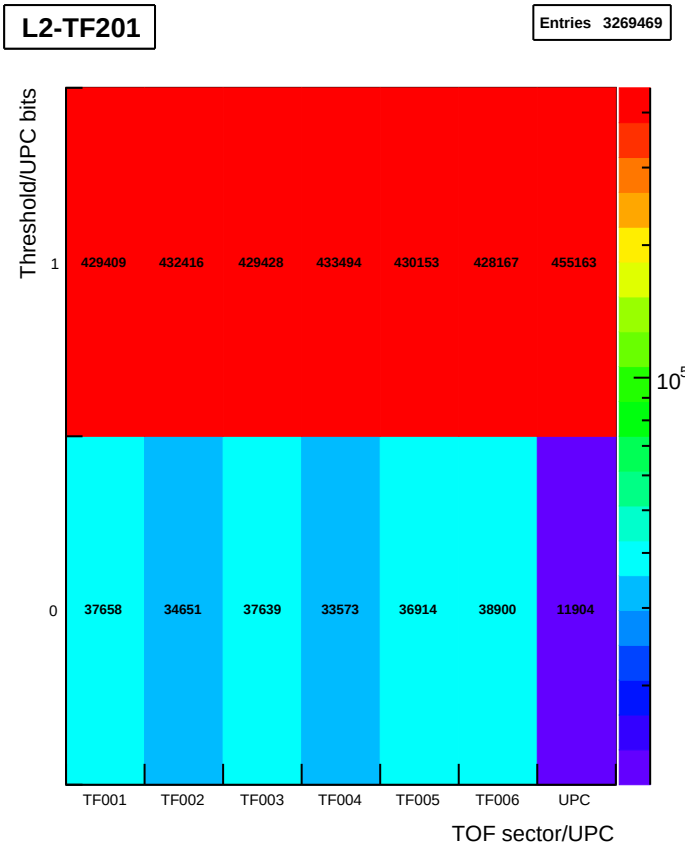

MIX-TF101
Entries 129571
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

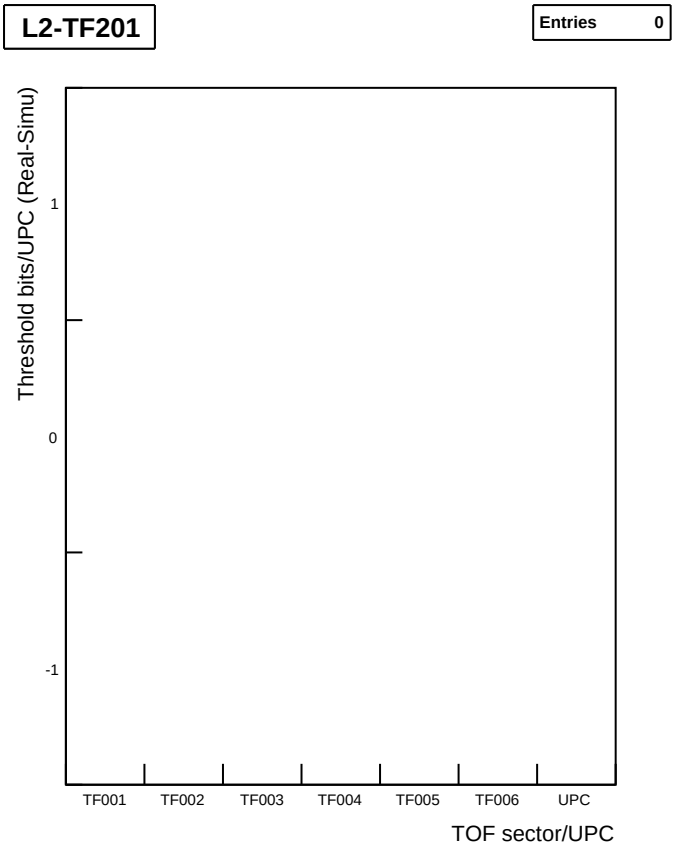

MIX-TF101
Entries 2802402
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

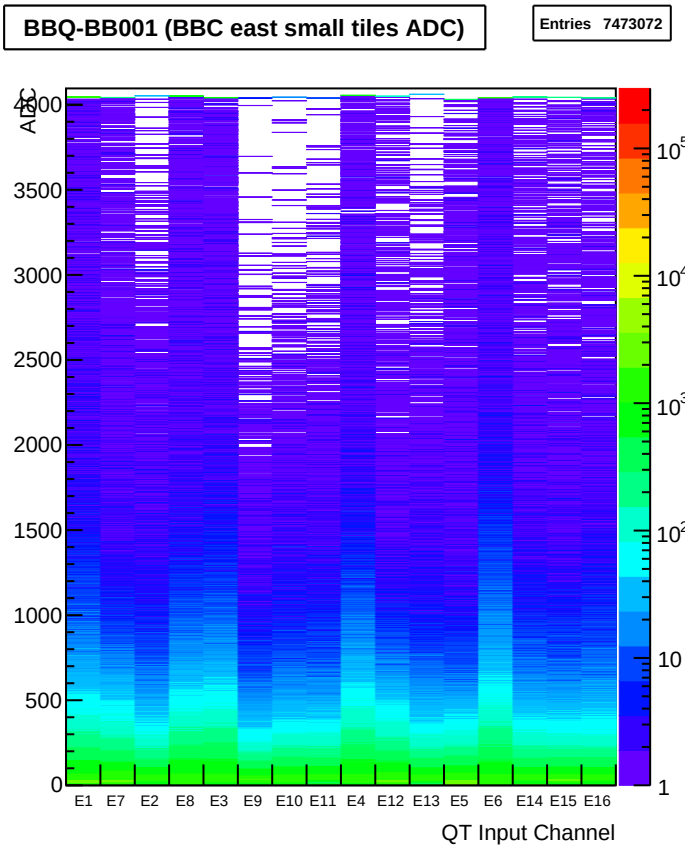

MIX-TF101
Entries 290729
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

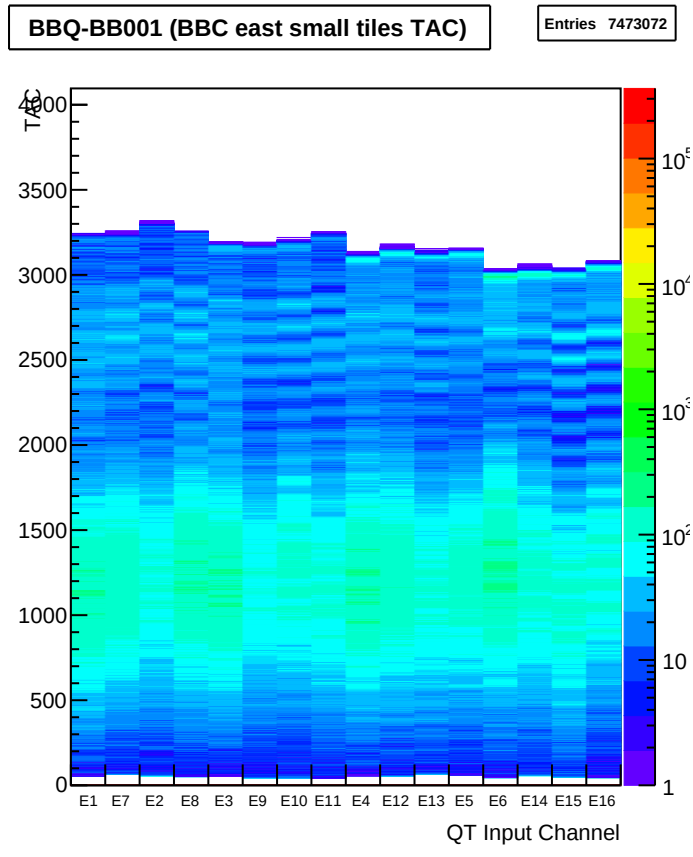

L2-TF201
Entries 467067
TOF total mult

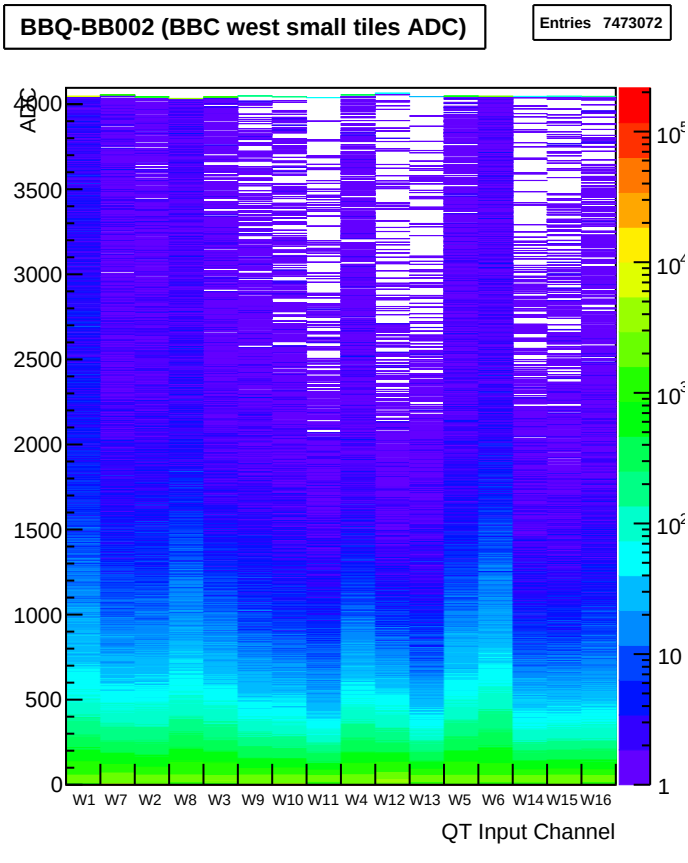

L2-TF201
Entries 0
TOF total mult(Real-Simu)

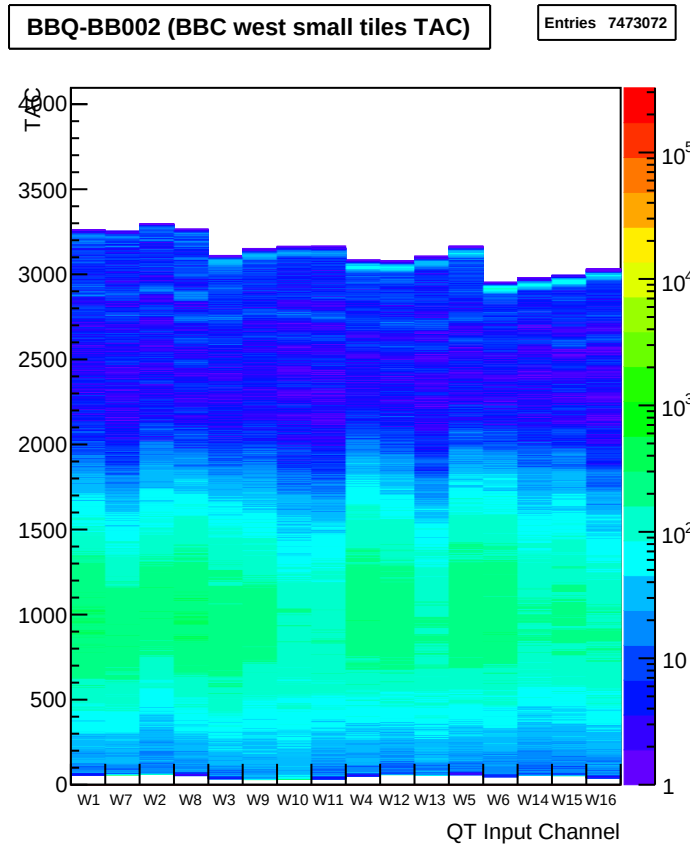

L2-TF201
Entries 3269469
Threshold/UPC bits
429409
432416
429428
433494
430153
428167
455163
37658
34651
37639
33573
36914
38900
11904
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

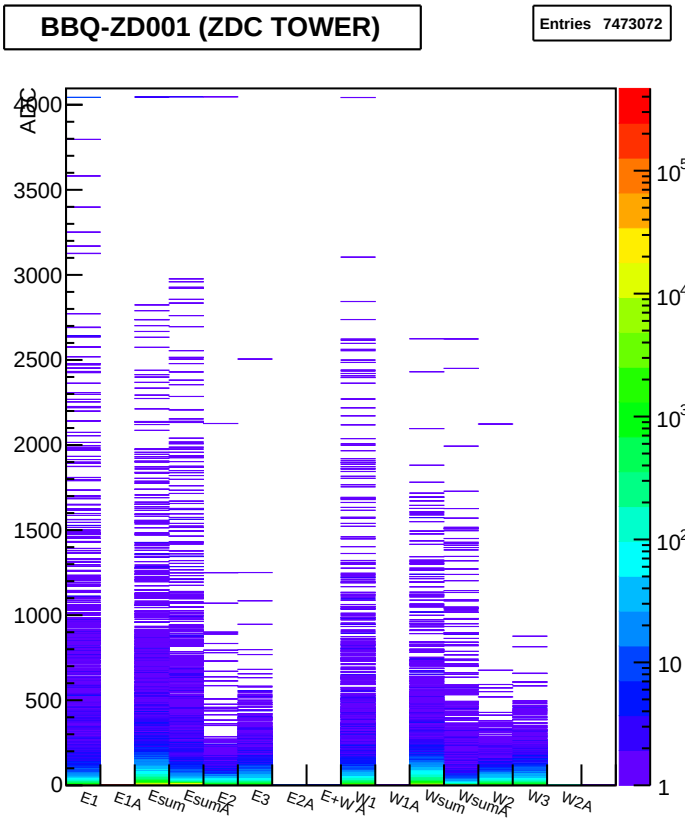

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

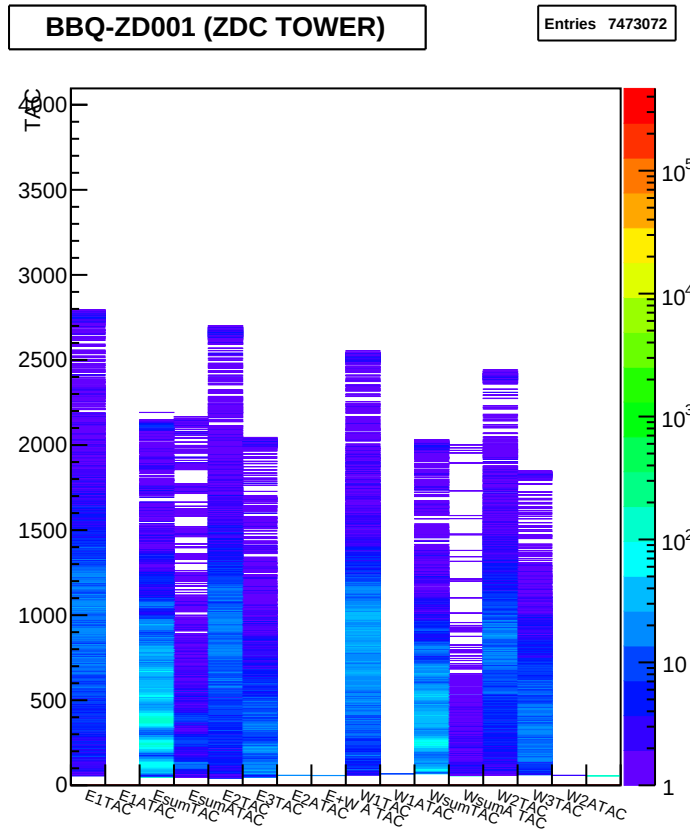

BBQ-BB001 (BBC east small tiles ADC)
Entries 7473072
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

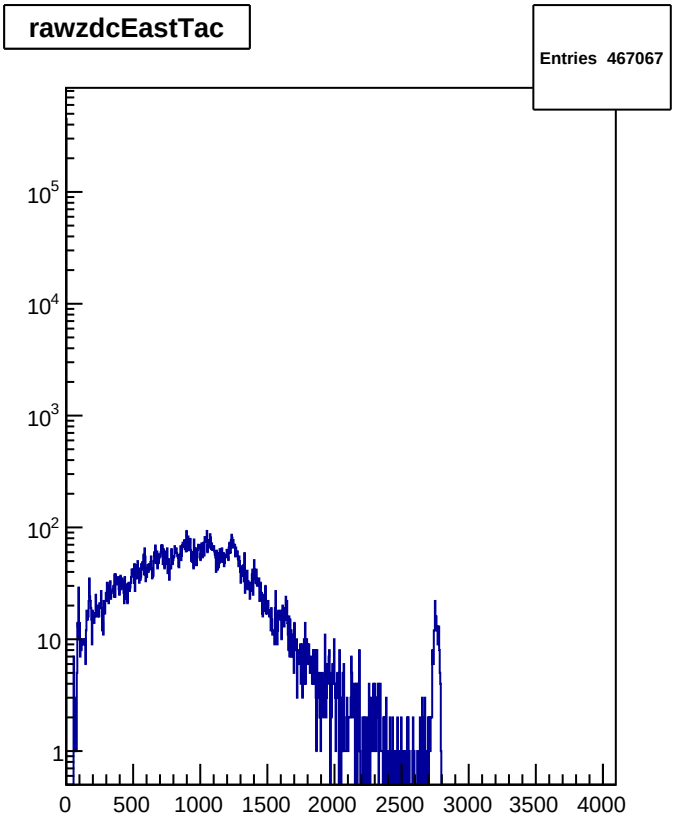

BBQ-BB001 (BBC east small tiles TAC)
Entries 7473072
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

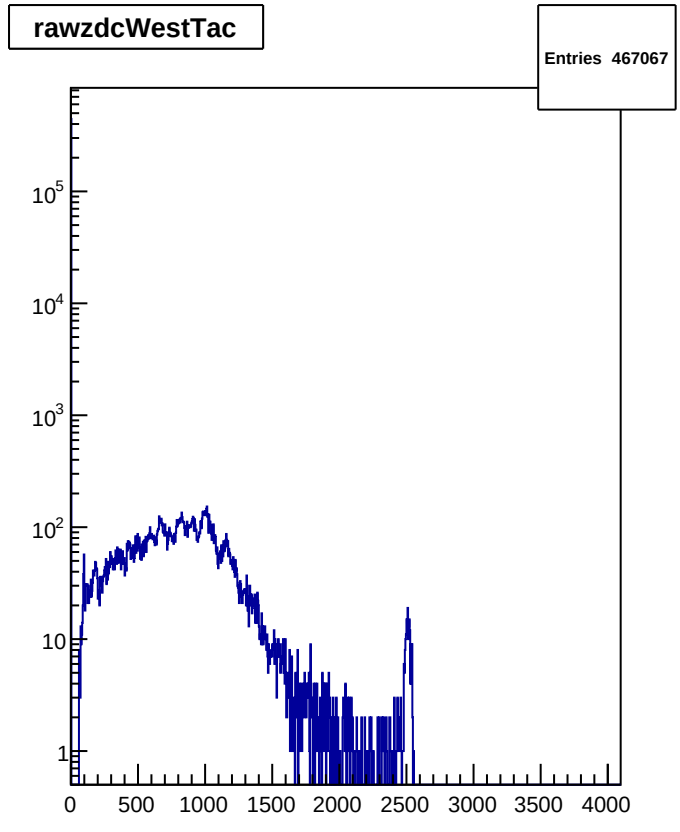

BBQ-BB002 (BBC west small tiles ADC)
Entries 7473072
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

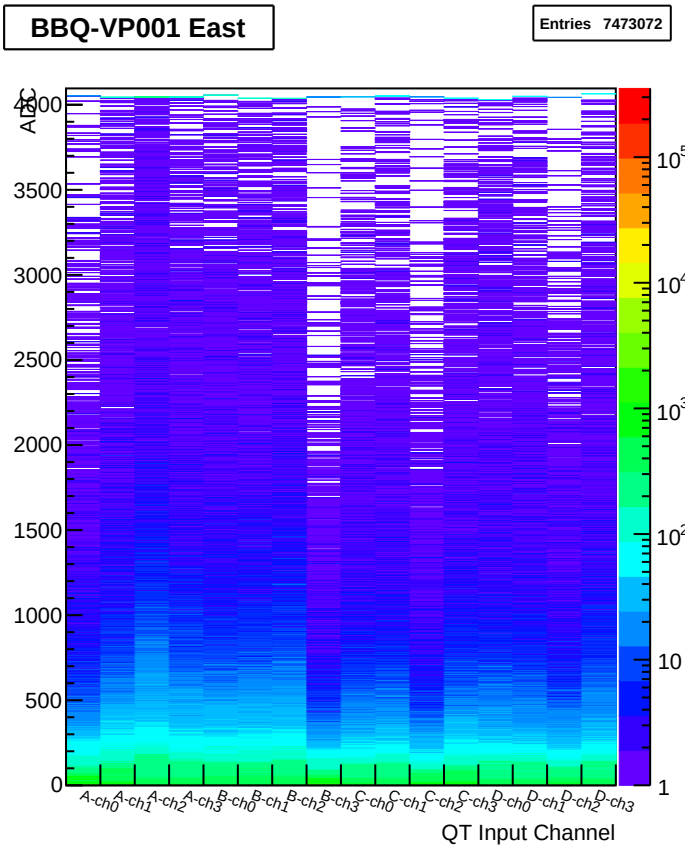

BBQ-BB002 (BBC west small tiles TAC)
Entries 7473072
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

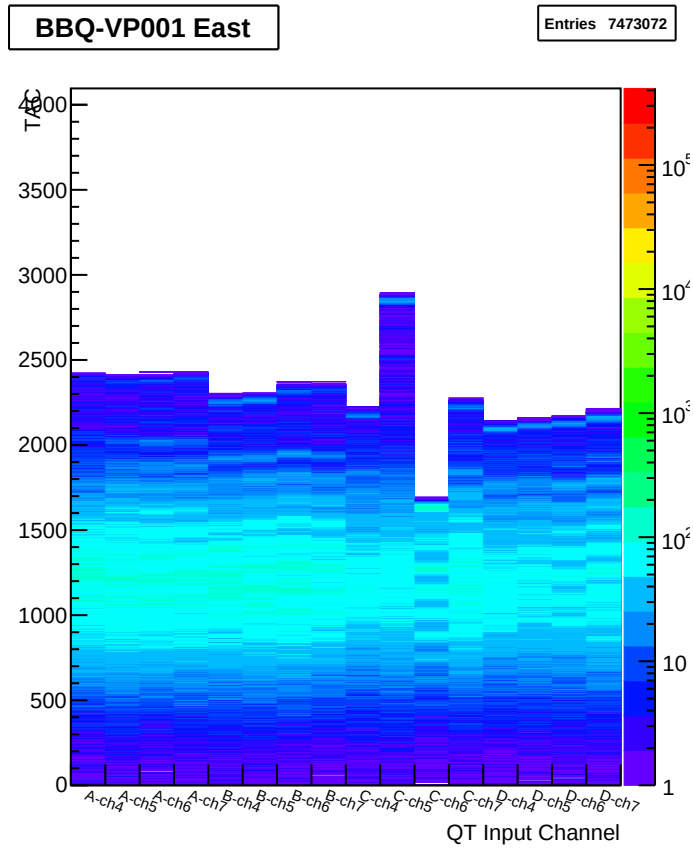

BBQ-ZD001 (ZDC TOWER)
Entries 7473072
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

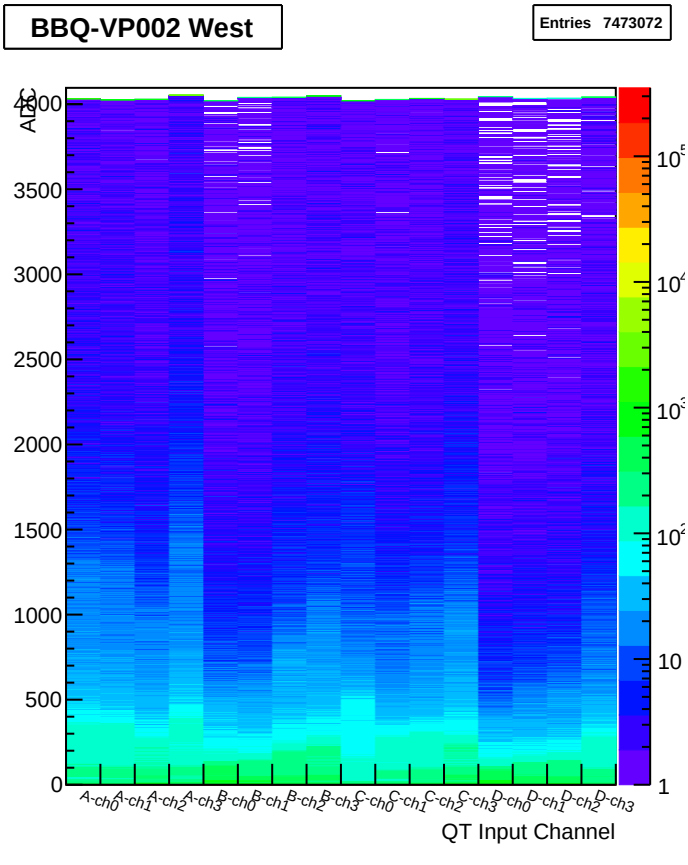

BBQ-ZD001 (ZDC TOWER)
Entries 7473072
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

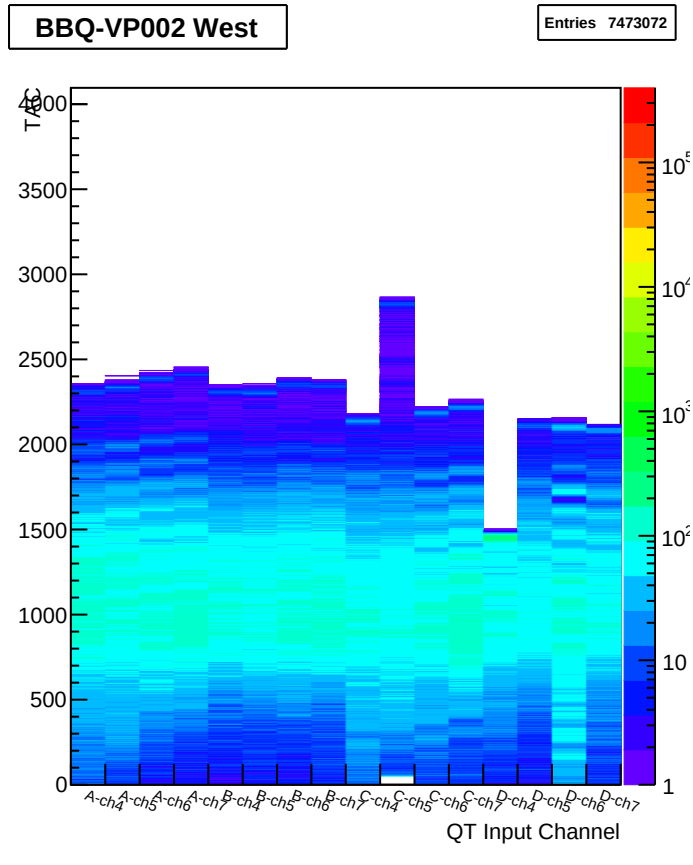

rawzdcEastTac
Entries 467067

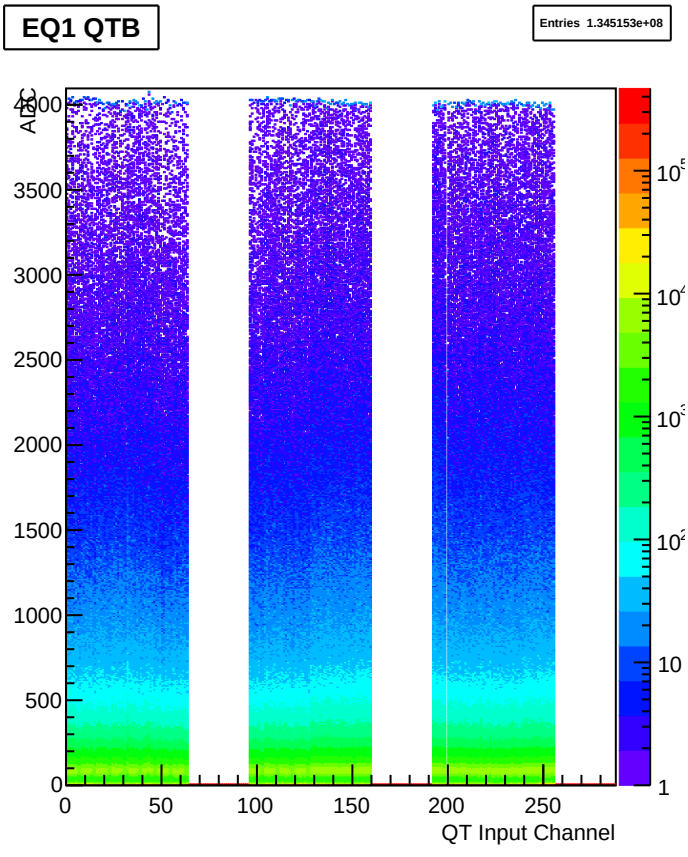

rawzdcWestTac
Entries 467067

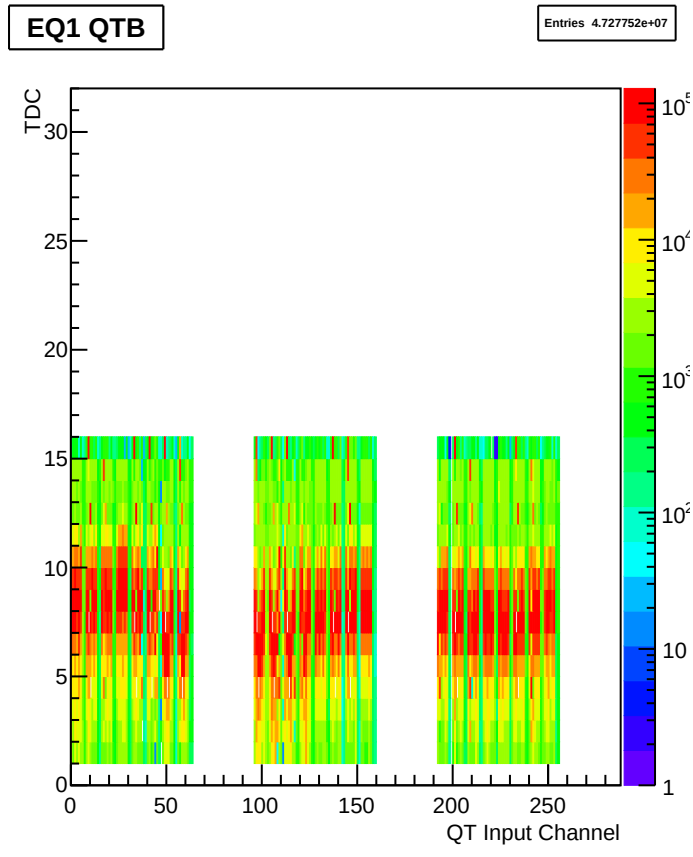

BBQ-VP001 East
Entries 7473072
ADC
QT Input Channel

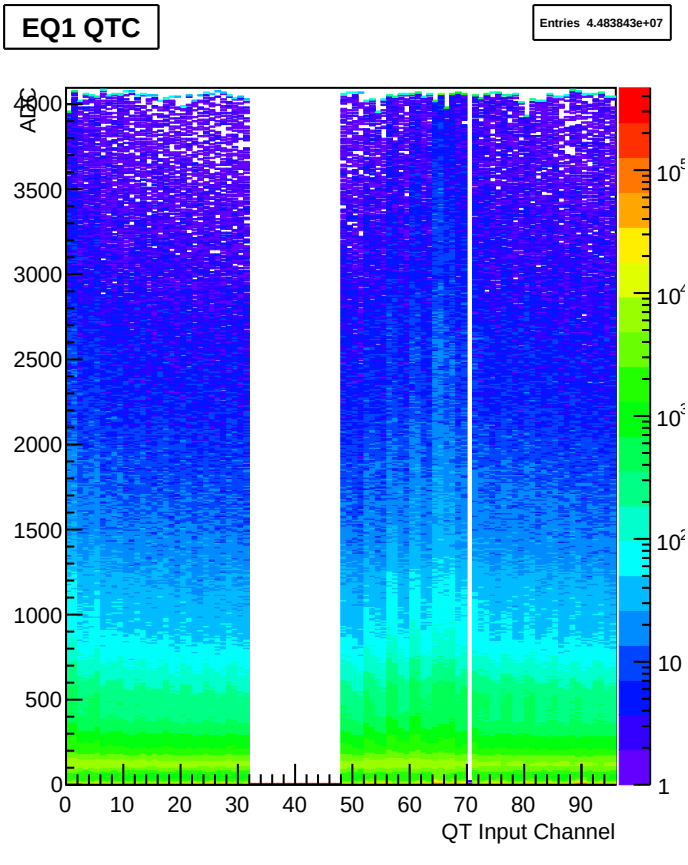

BBQ-VP001 East
Entries 7473072
TADC
QT Input Channel

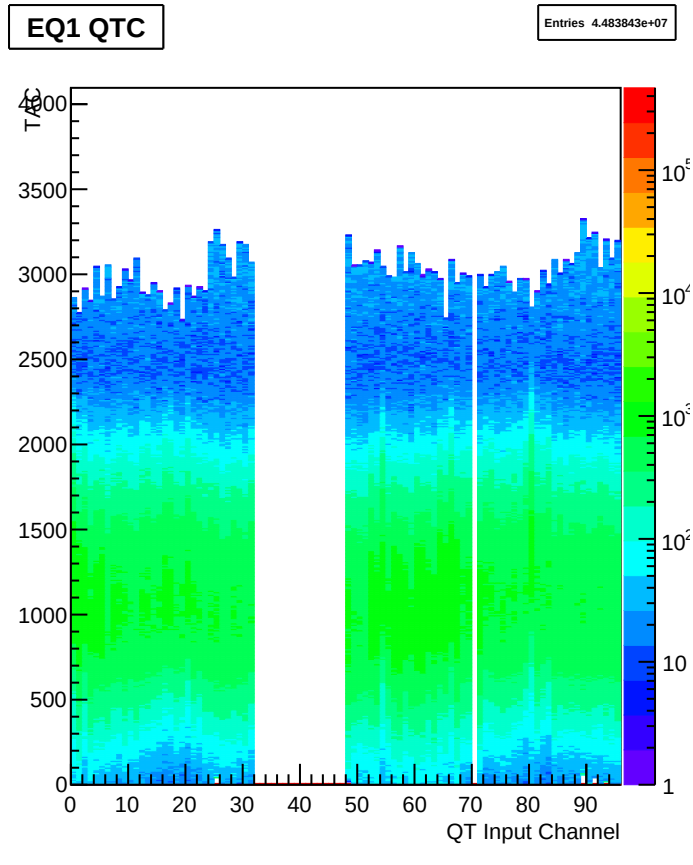

BBQ-VP002 West
Entries 7473072
ADC
QT Input Channel

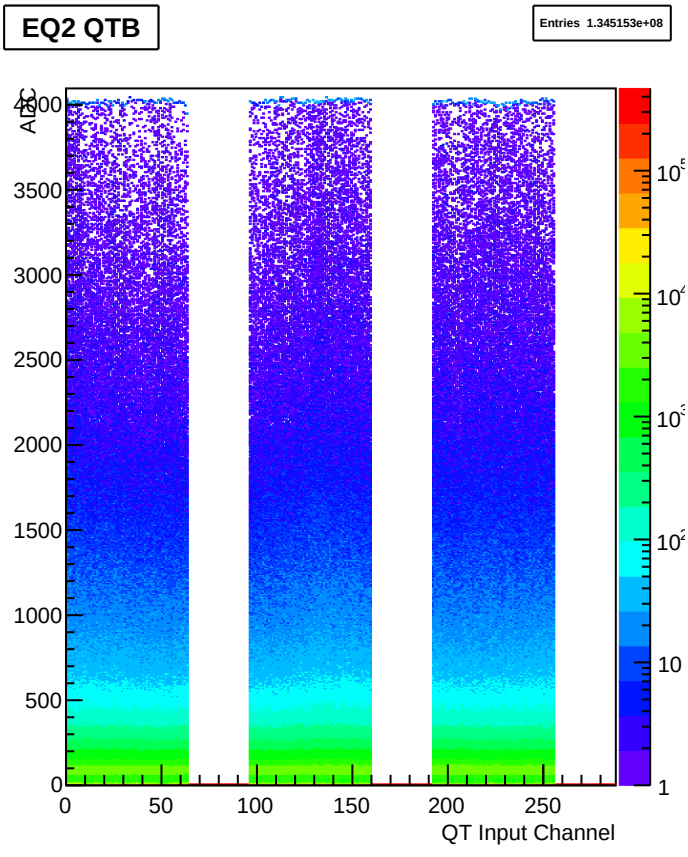

BBQ-VP002 West
Entries 7473072
TADC
QT Input Channel

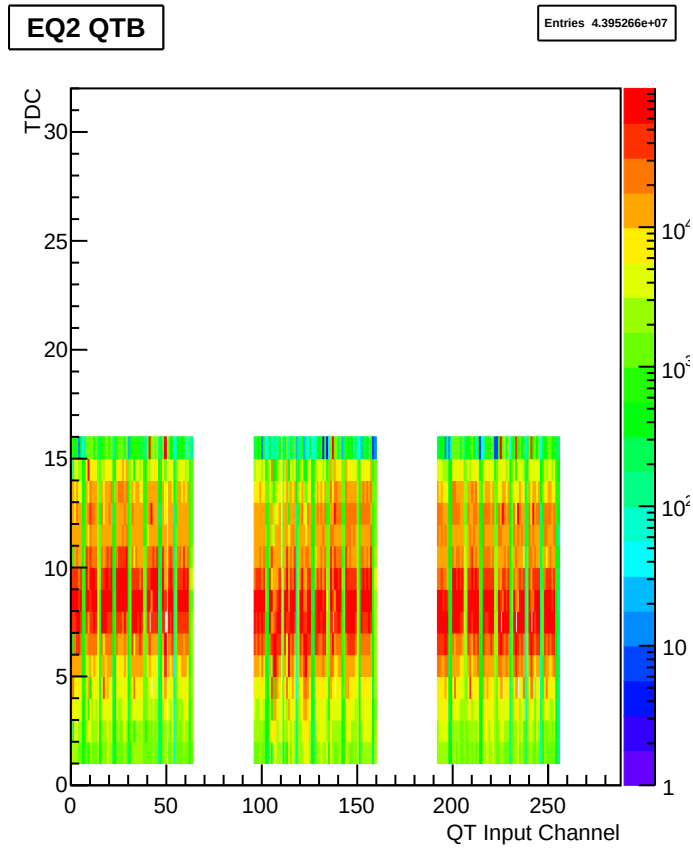

EQ1 QTB
Entries 1.345153e+08
ADC
QT Input Channel

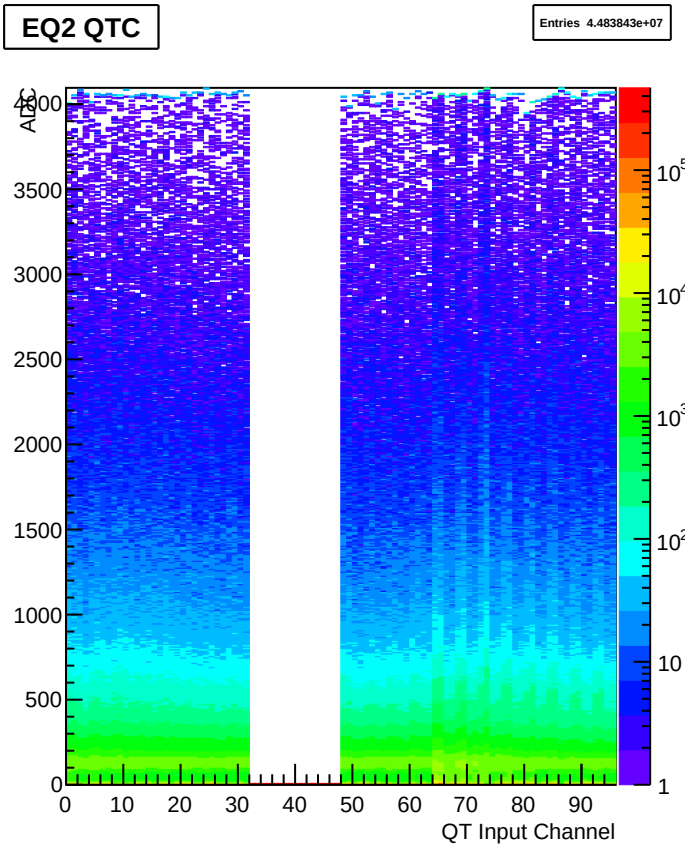

EQ1 QTB
Entries 4.727752e+07
TDC
QT Input Channel

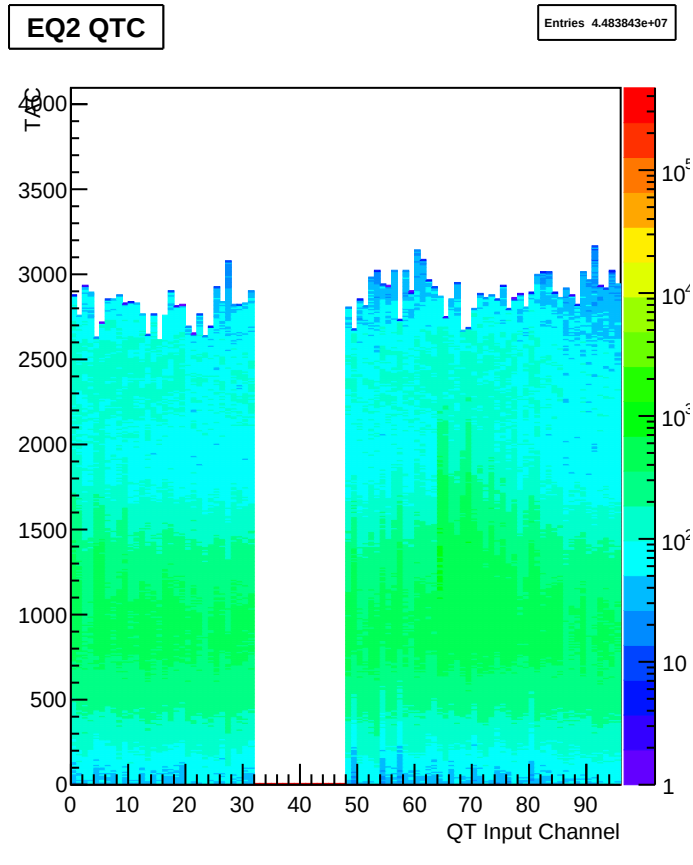

EQ1 QTC
Entries 4.483843e+07
ADC
QT Input Channel

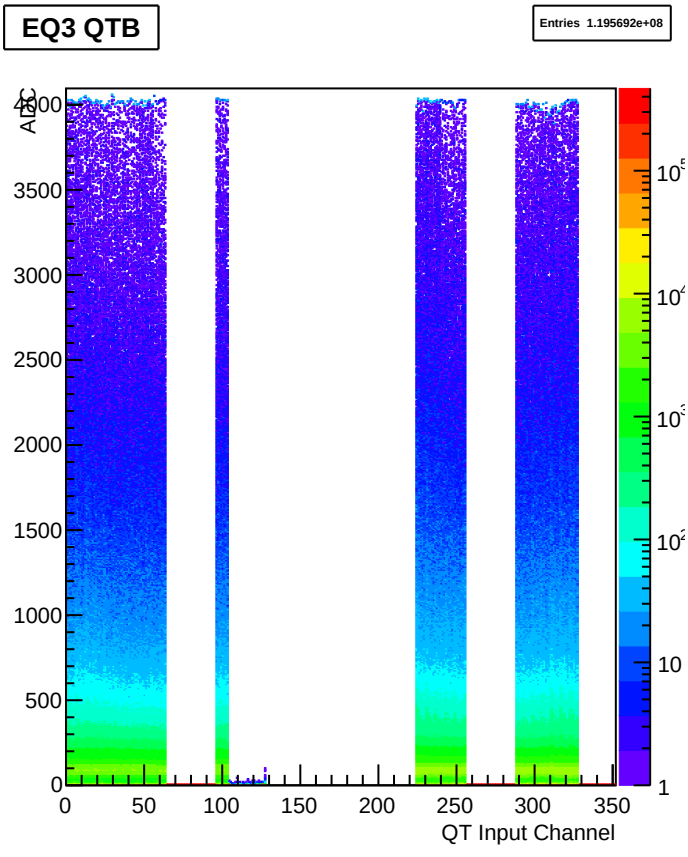

EQ1 QTC
Entries 4.483843e+07
TADC
QT Input Channel

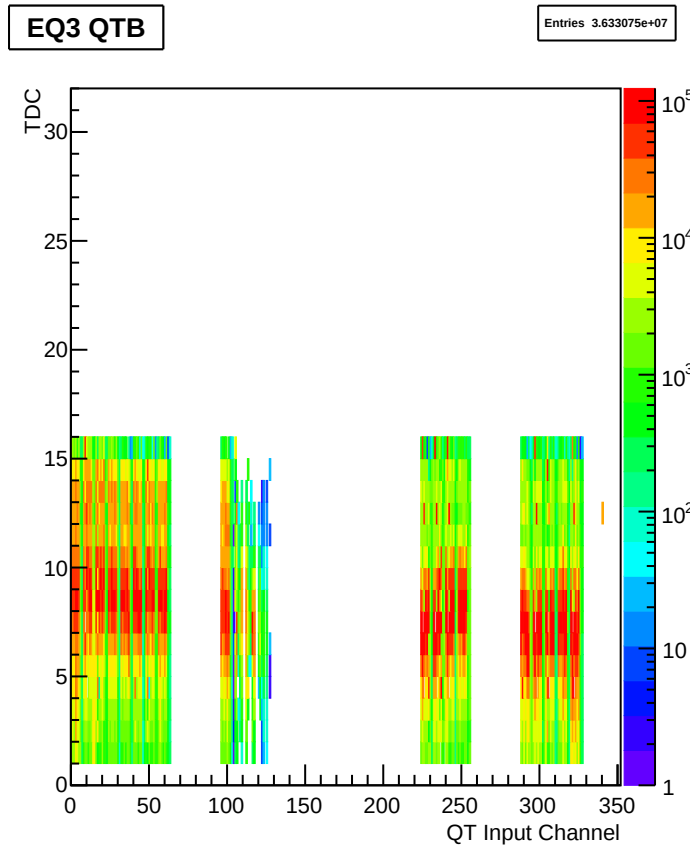

EQ2 QTB
Entries 1.345153e+08
ADC
QT Input Channel

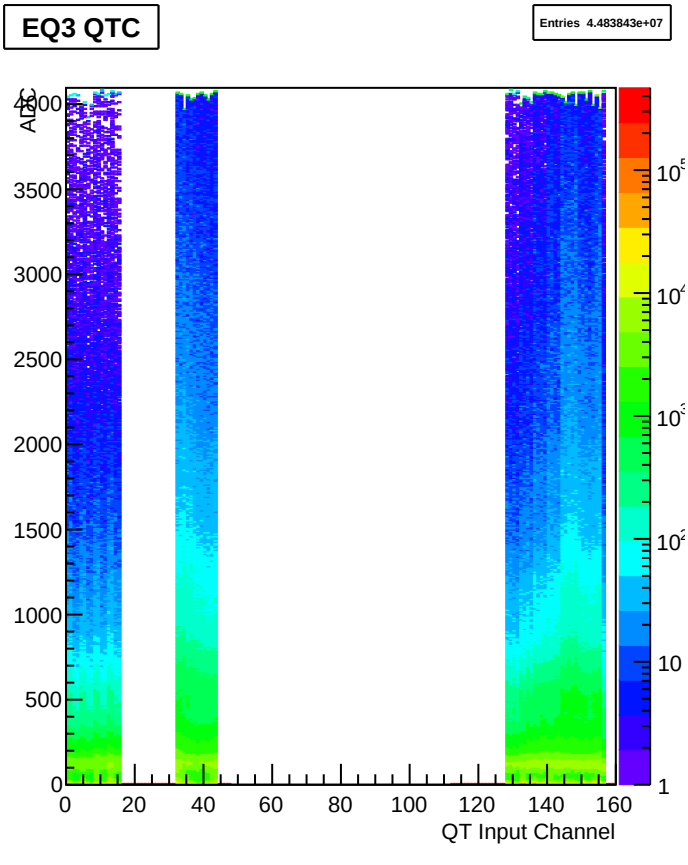

EQ2 QTB
Entries 4.395266e+07
TDC
QT Input Channel

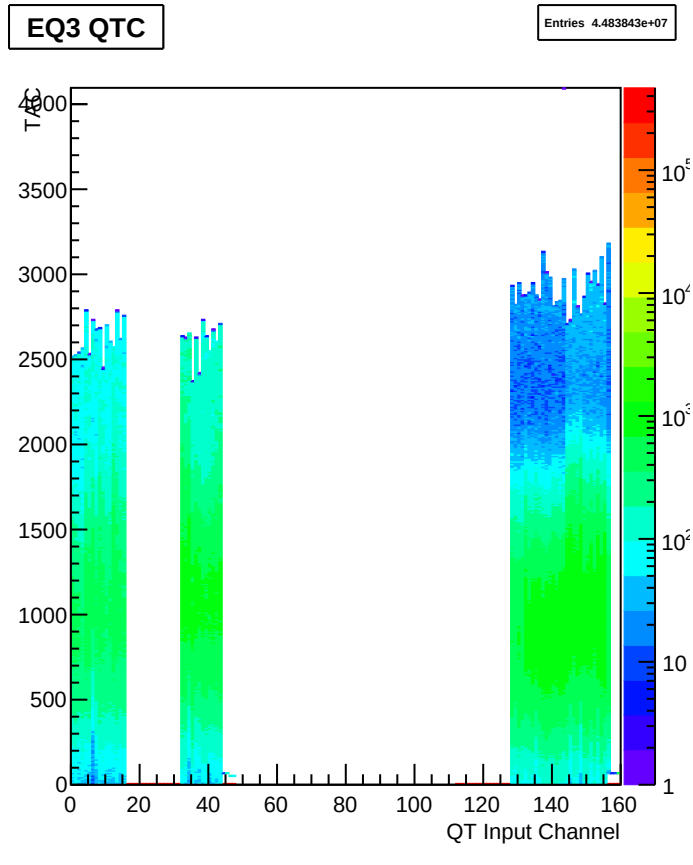

EQ2 QTC
Entries 4.483843e+07
ADC
QT Input Channel

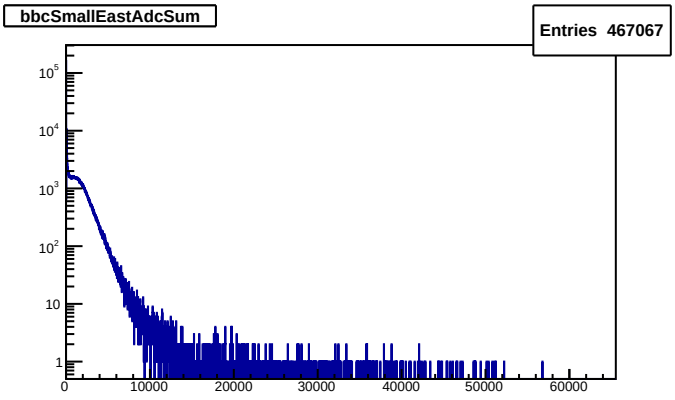

EQ2 QTC
Entries 4.483843e+07
TADC
QT Input Channel

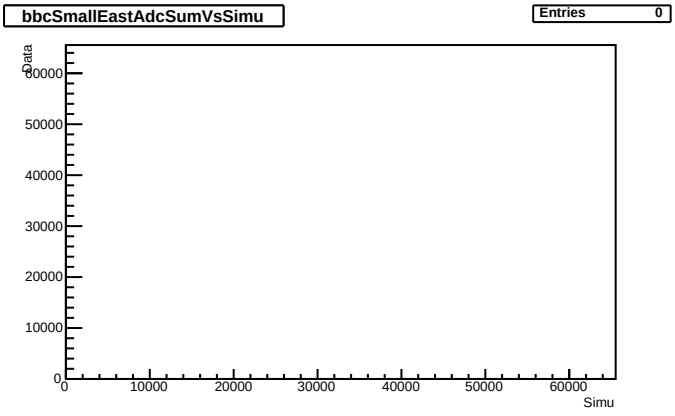

EQ3 QTB
Entries 1.195692e+08
ADC
QT Input Channel

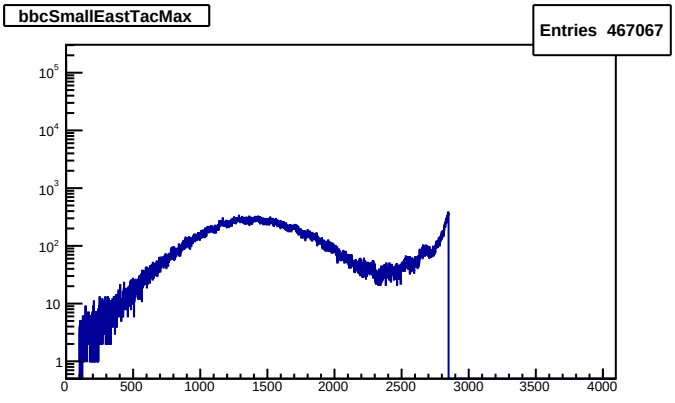

EQ3 QTB
Entries 3.633075e+07
TDC
QT Input Channel

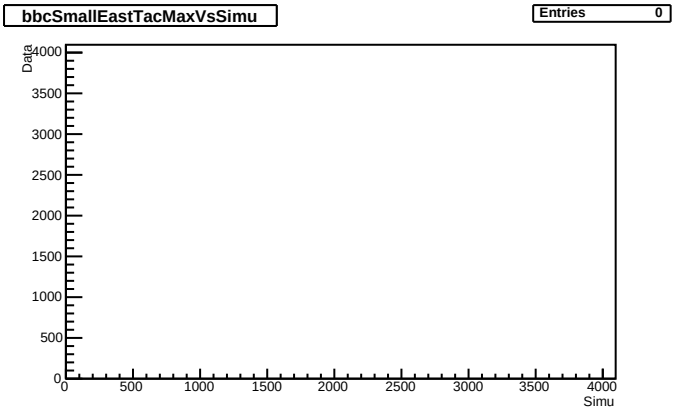

EQ3 QTC
Entries 4.483843e+07
ADC
QT Input Channel

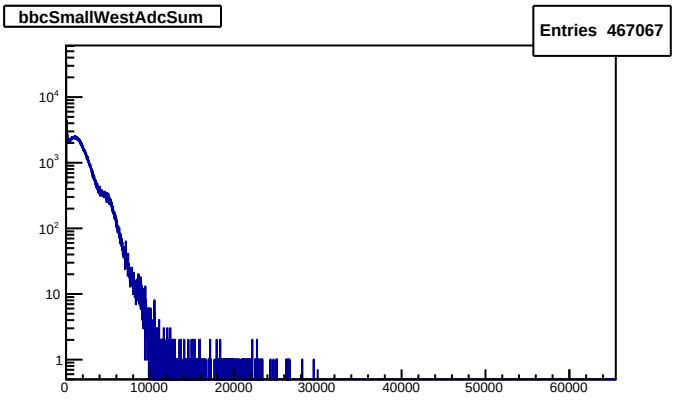

EQ3 QTC
Entries 4.483843e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 467067


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 467067


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu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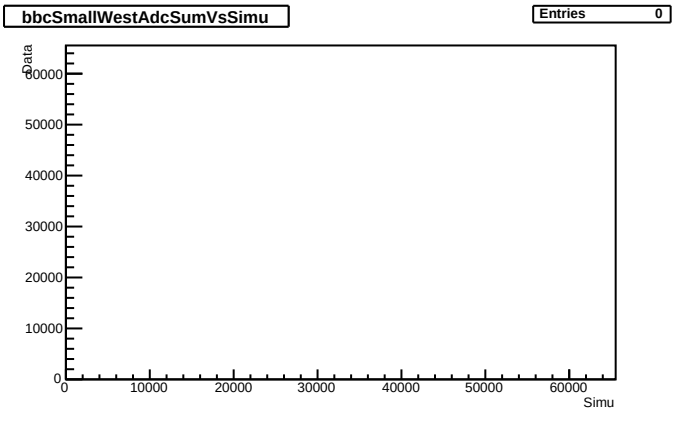
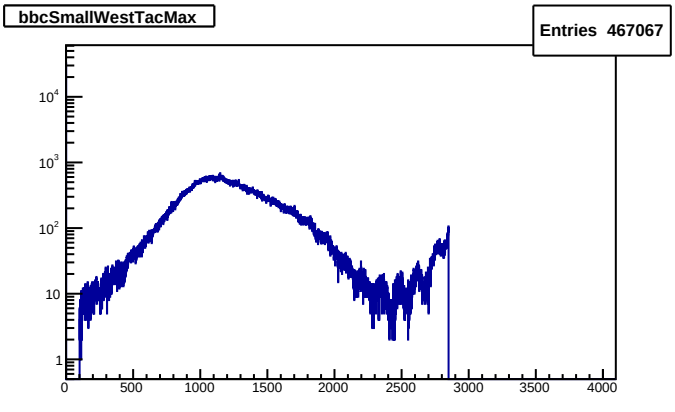
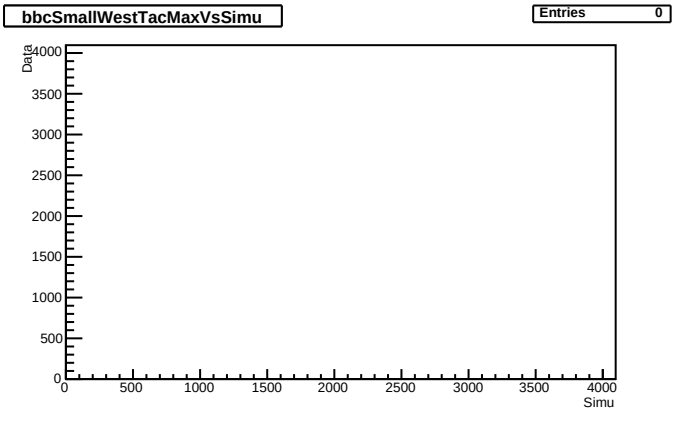
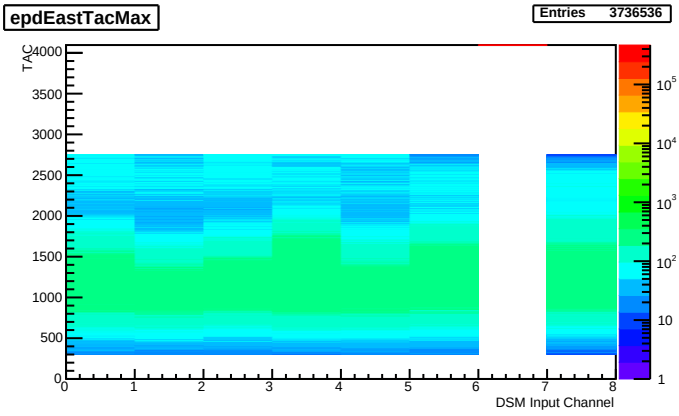
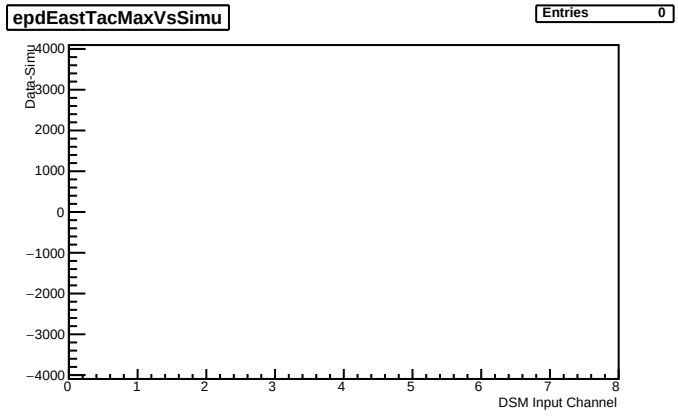
Entries 467067


bbcSmallWestAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallWestTacMax
Entries 467067


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3736536
TAC
DSM Input Channel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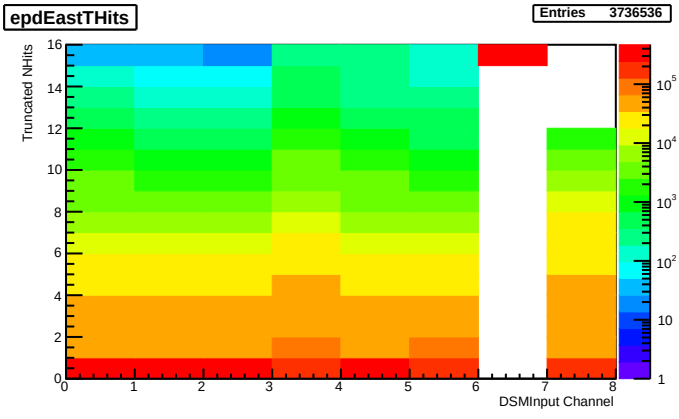
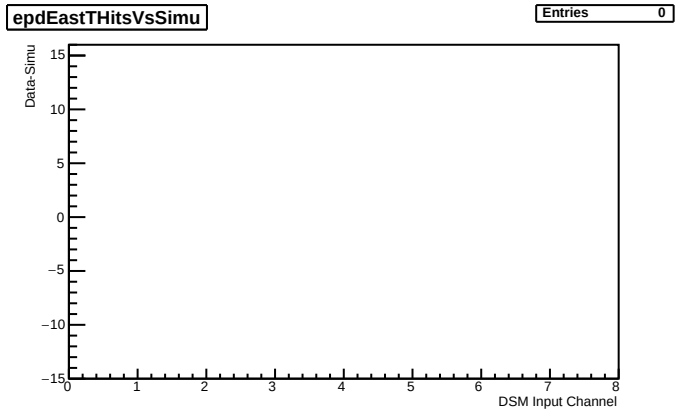
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3736536
Truncated NHits
DSMInput Channel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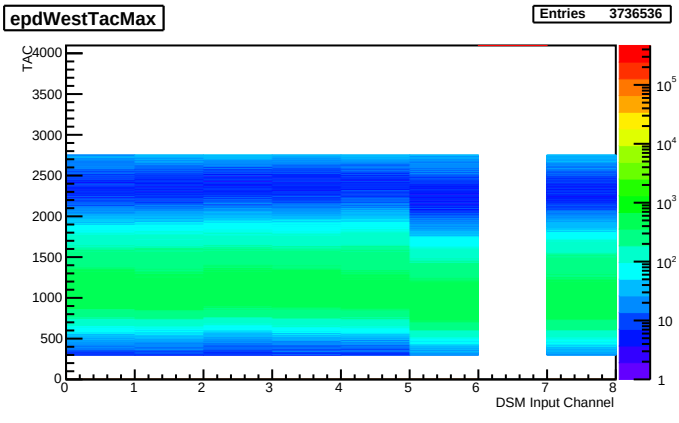
Data-Simu
DSM Input Channel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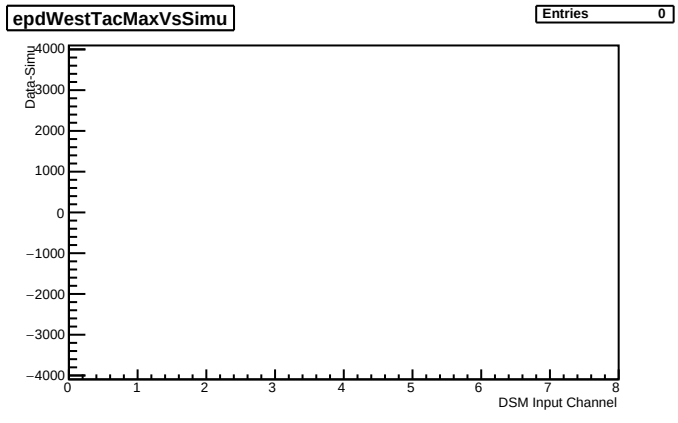
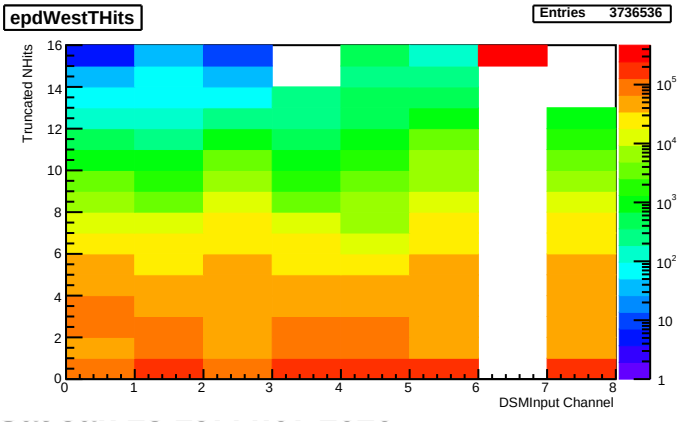
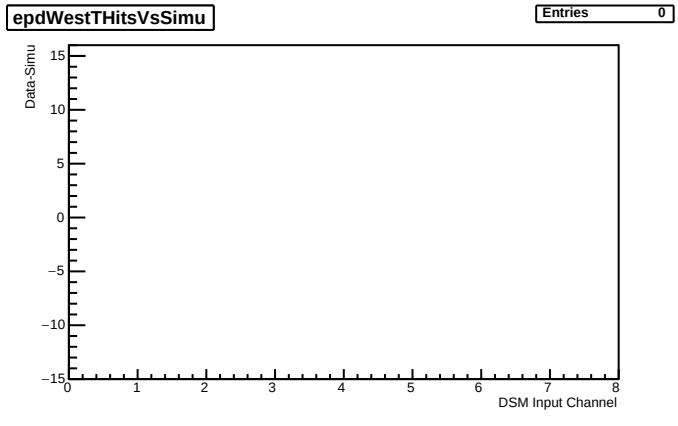
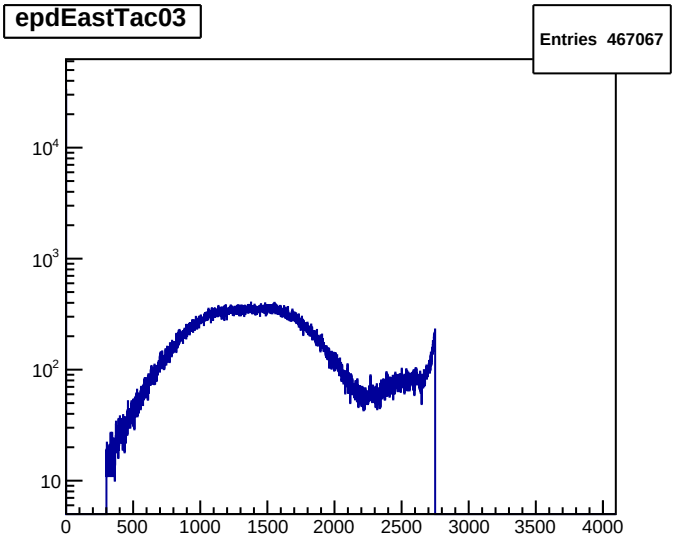
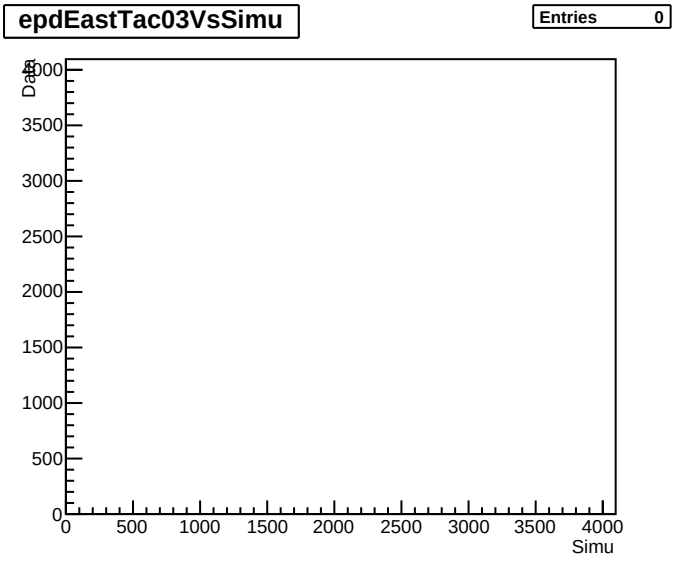
Entries 3736536
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3736536
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 467067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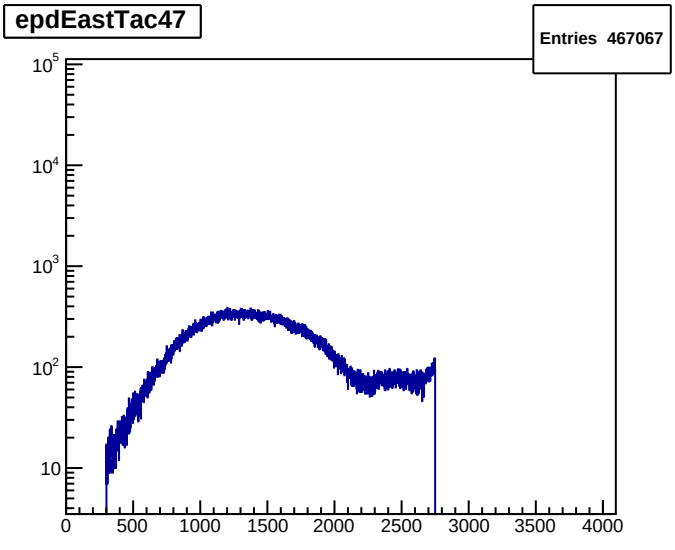
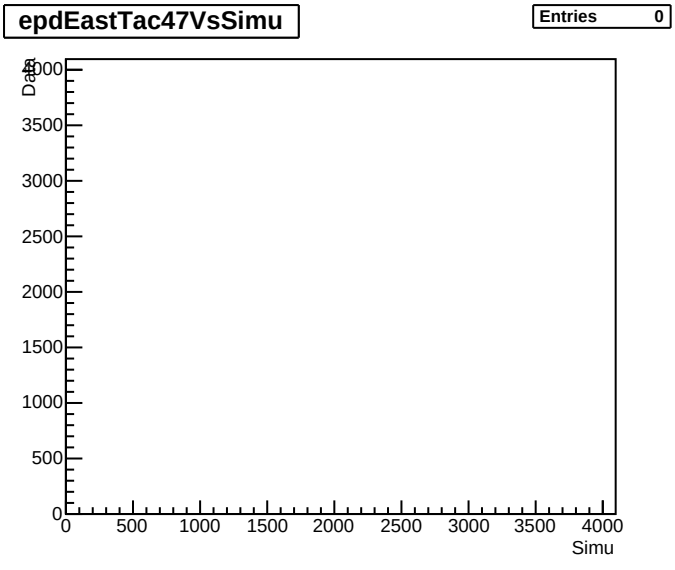
Entries 0
Data
Simu


epdEastTac47
Entries 467067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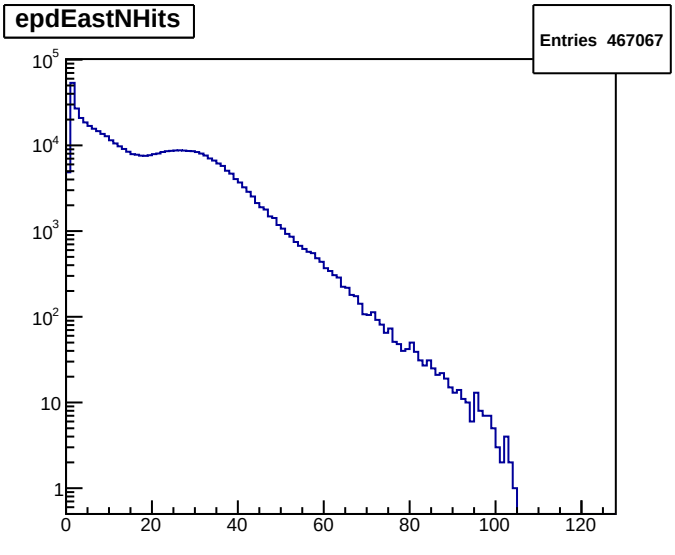
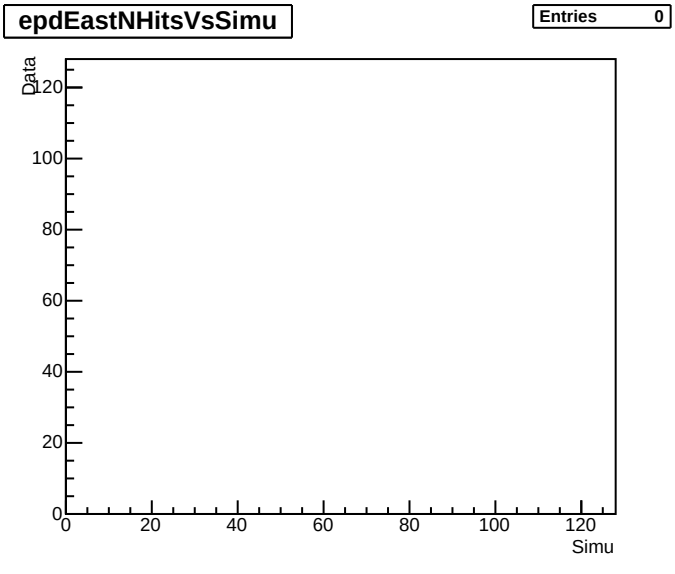
Entries 0
Data
Simu


epdEastNHits
Entries 467067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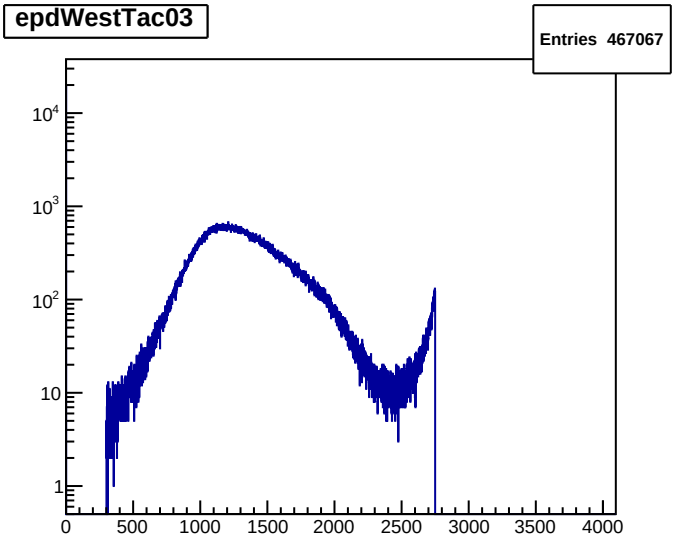
Entries 0
Data
Simu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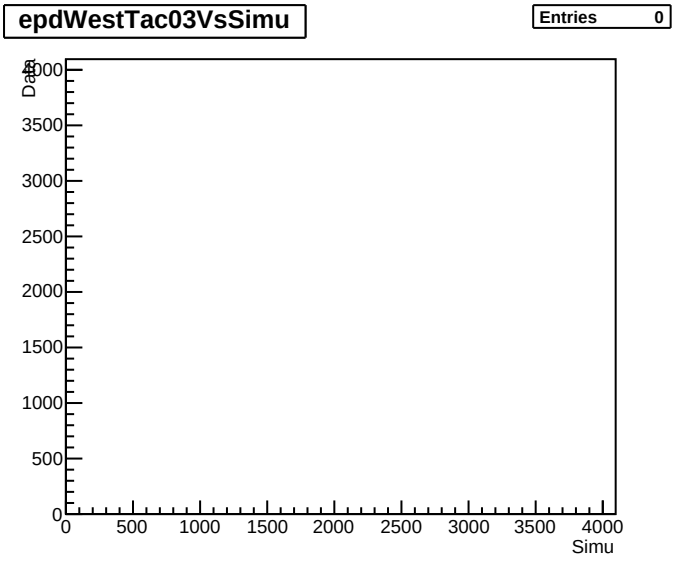
Entries 467067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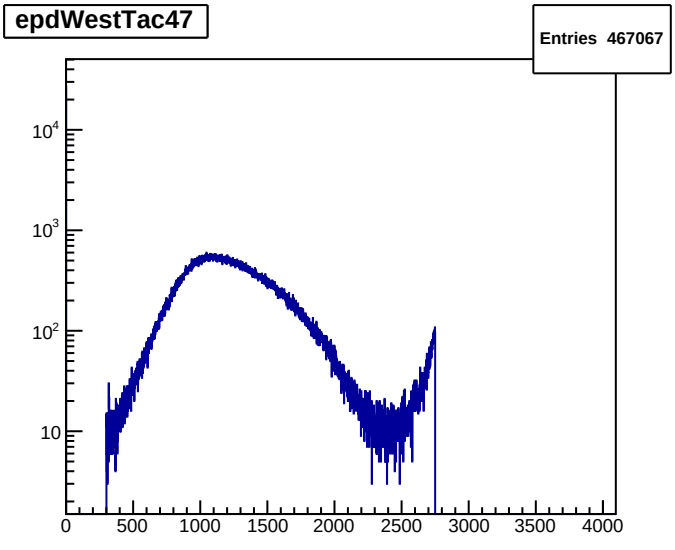
Entries 0
Data
Simu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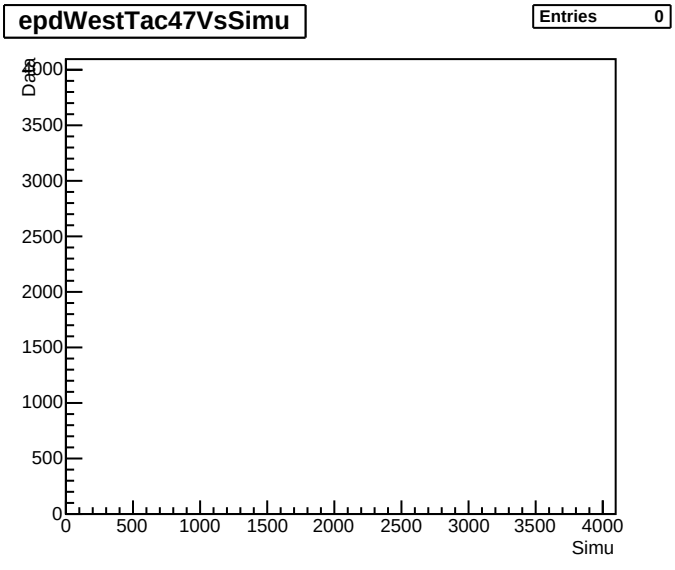
Entries 467067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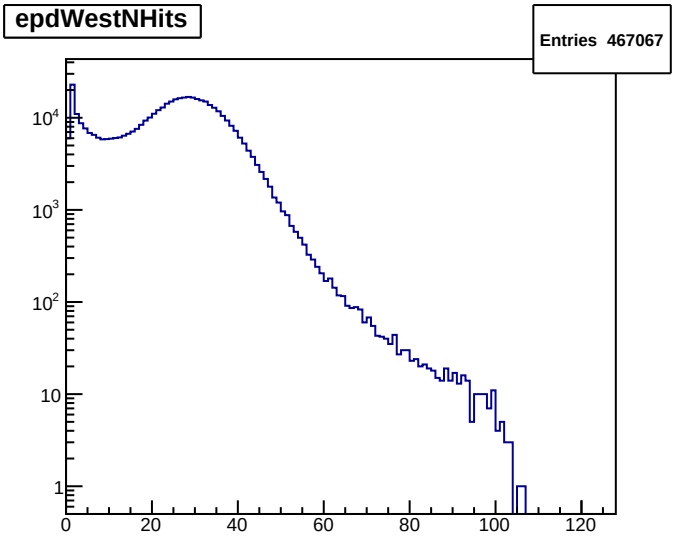
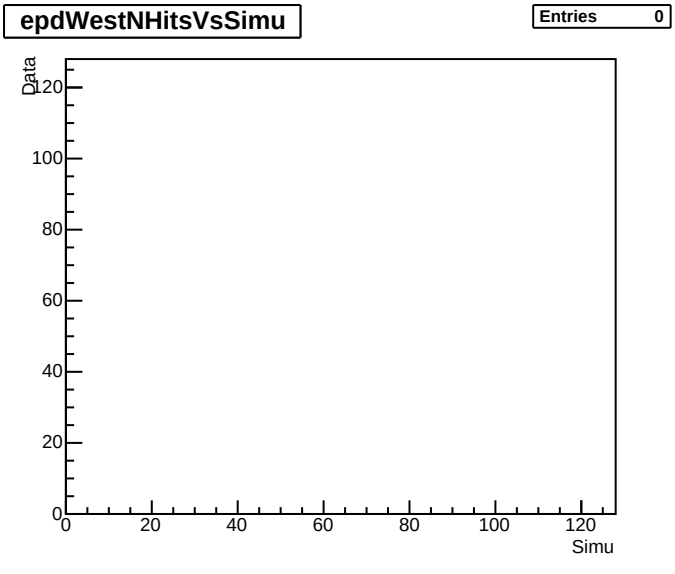
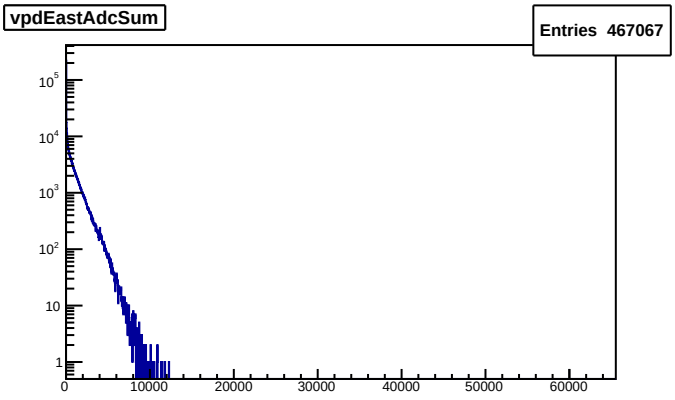
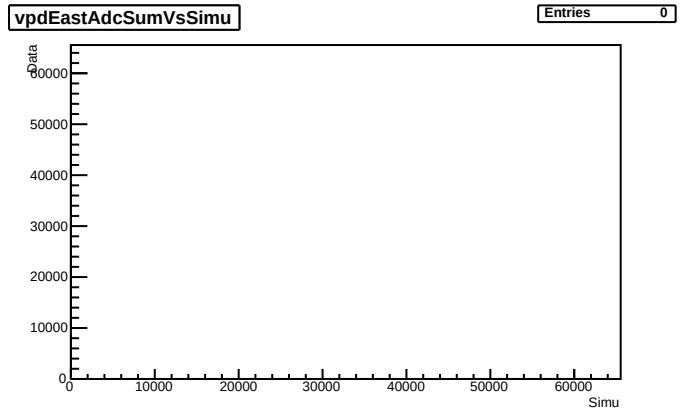
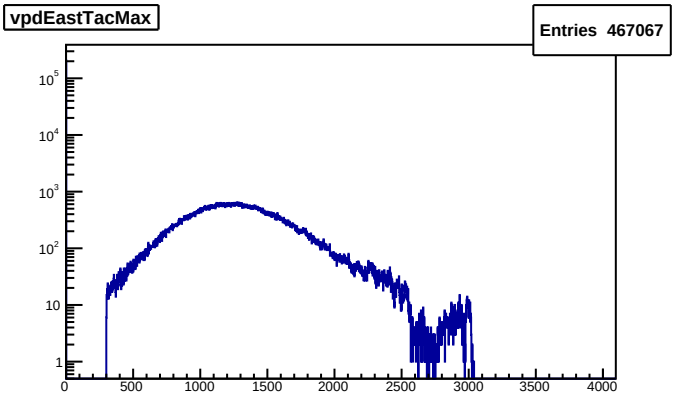
Data
Simu

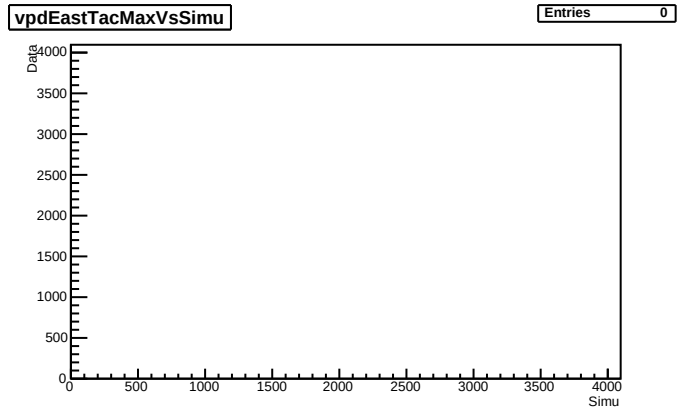

epdWestNHits
Entries 467067


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 467067


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 467067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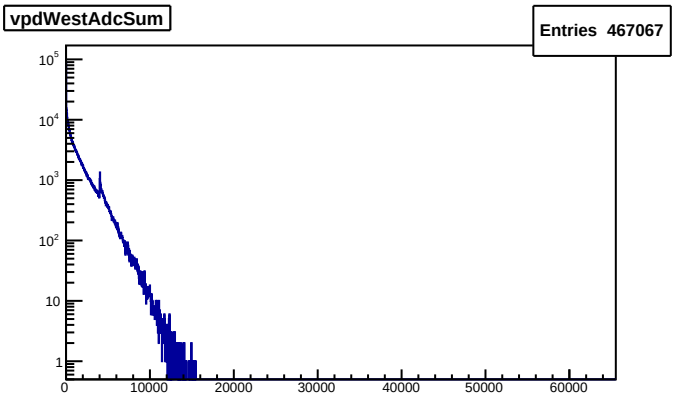
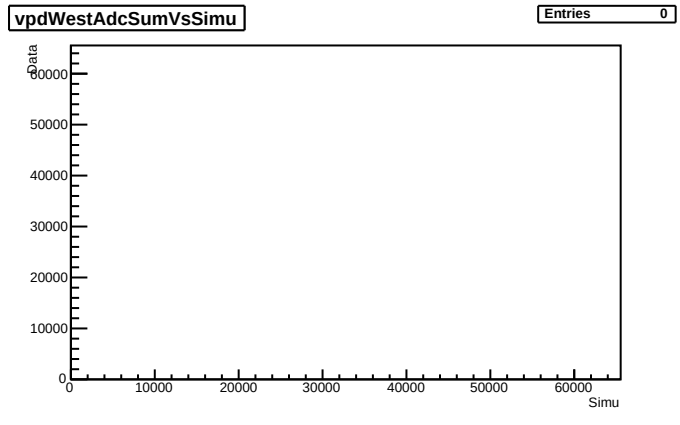
Entries 0
Data
Simu


vpdWestAdcSum
Entries 467067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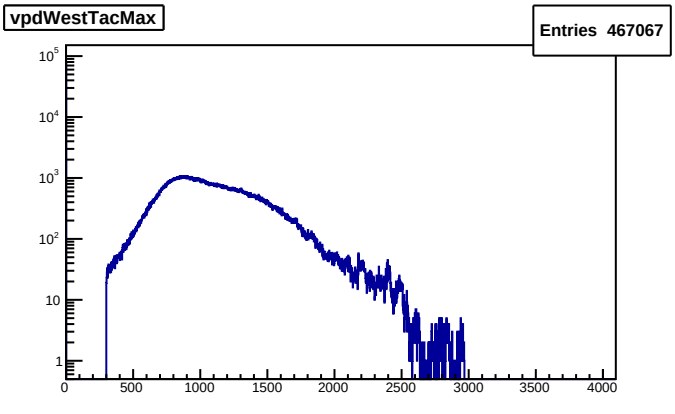
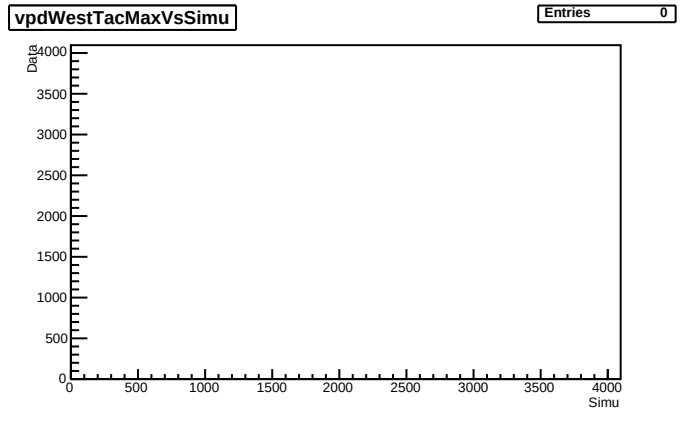
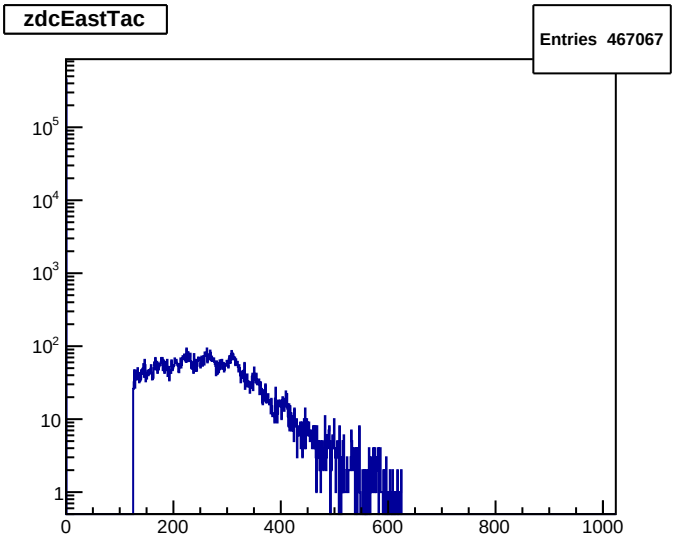
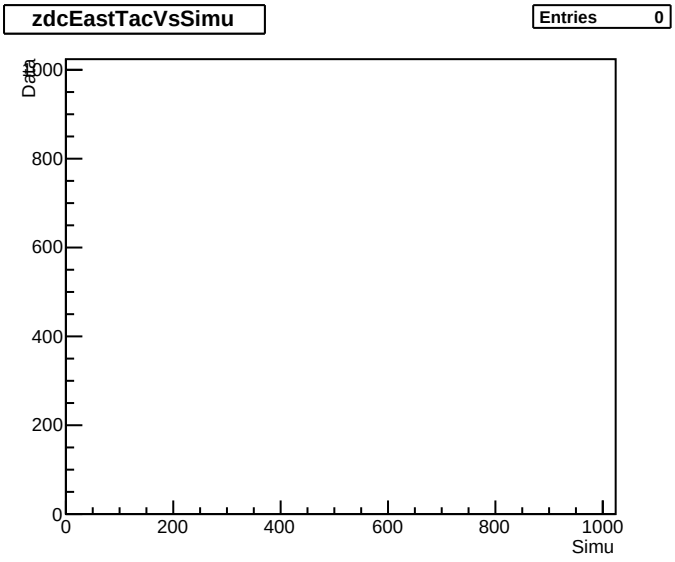
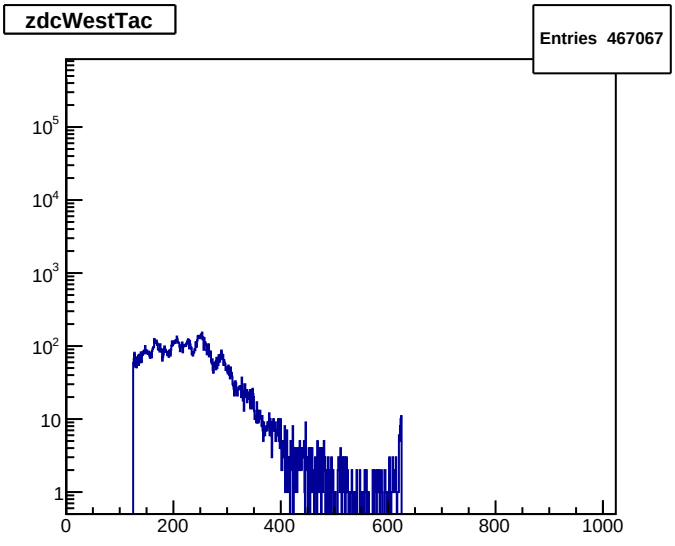
Entries 0
Data
Simu

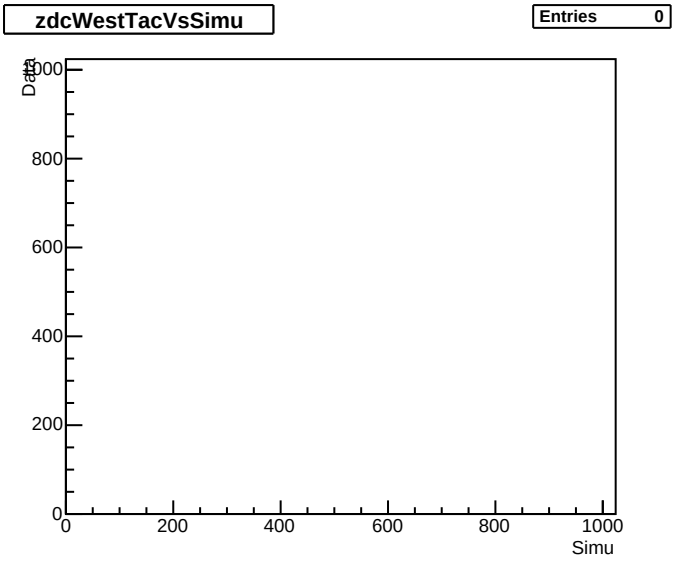

vpdWestTacMax
Entries 467067

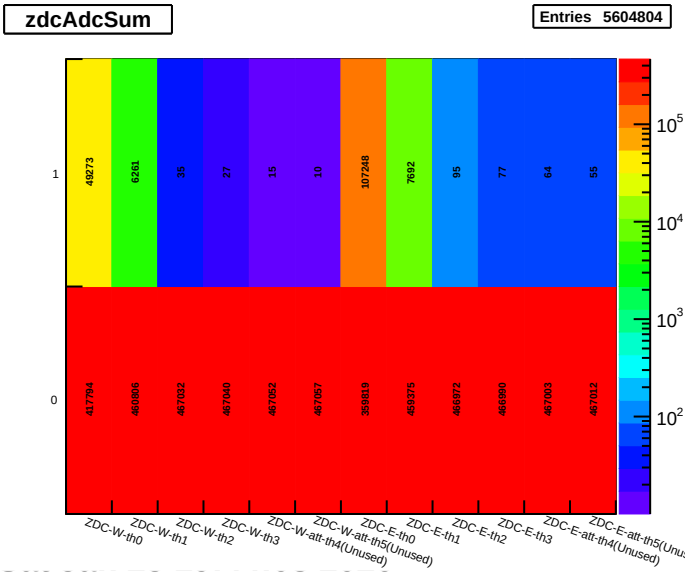

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

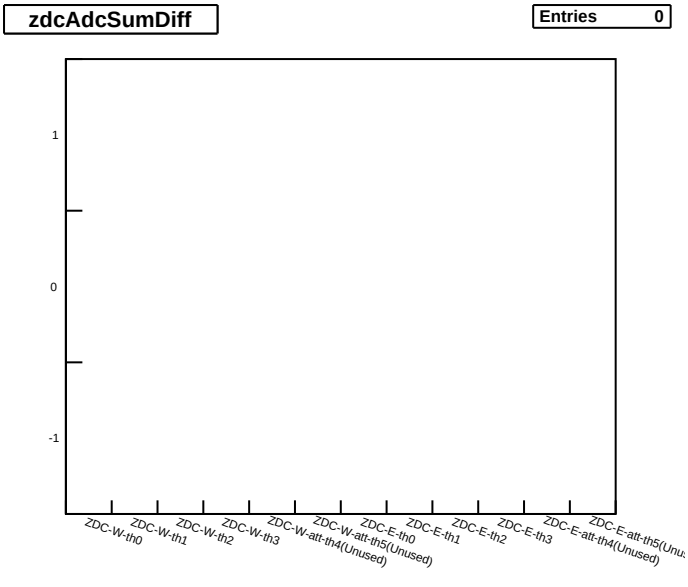

zdcEastTac
Entries 467067
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

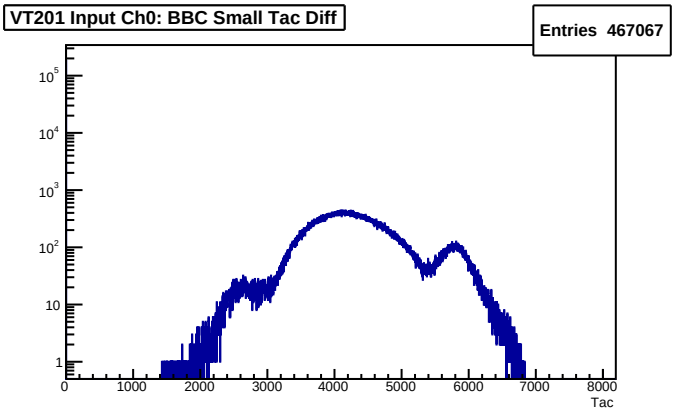

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

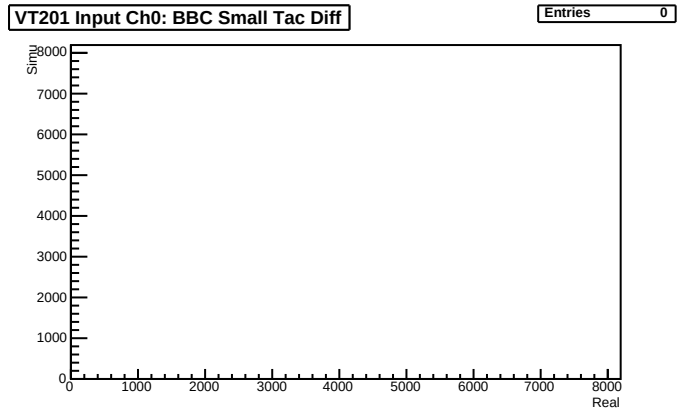

zdcWestTac
Entries 467067
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

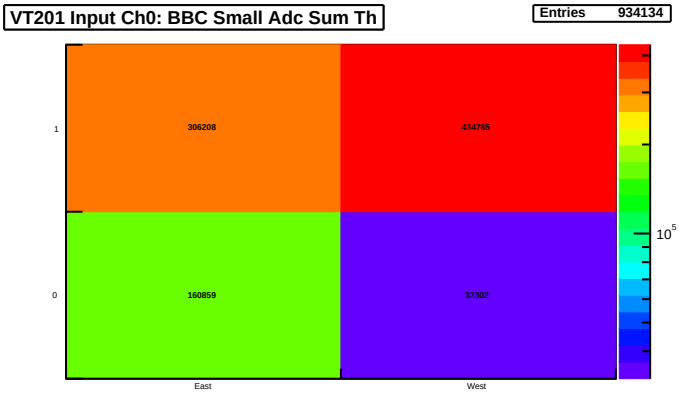

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

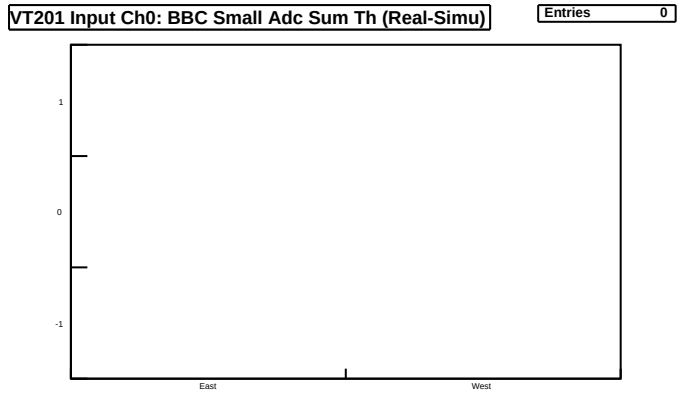

zdcAdcSum
Entries 5604804
1
0
49273
6261
35
27
15
10
107248
7692
95
77
64
55
417794
460806
467032
467040
467052
467057
359819
459375
466972
466990
467003
467012
10^5
10^4
10^3
10^2
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

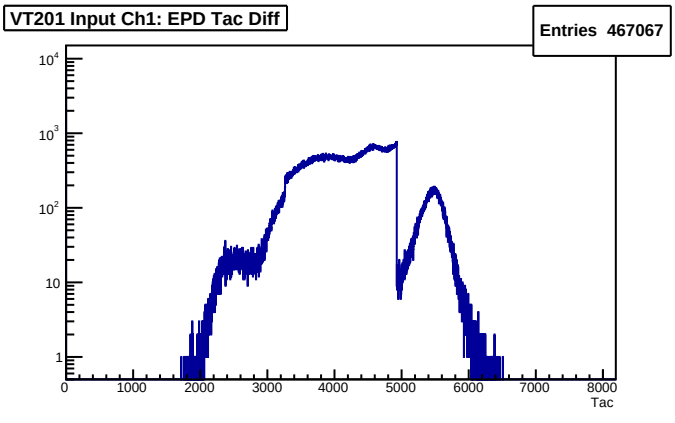

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

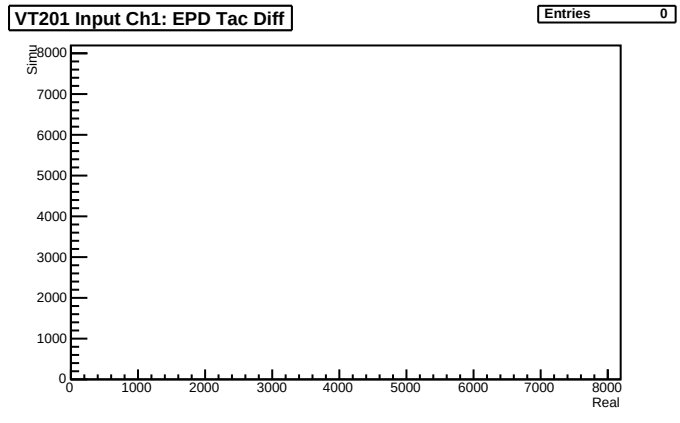

VT201 Input Ch0: BBC Small Tac Diff
Entries 467067
Tac

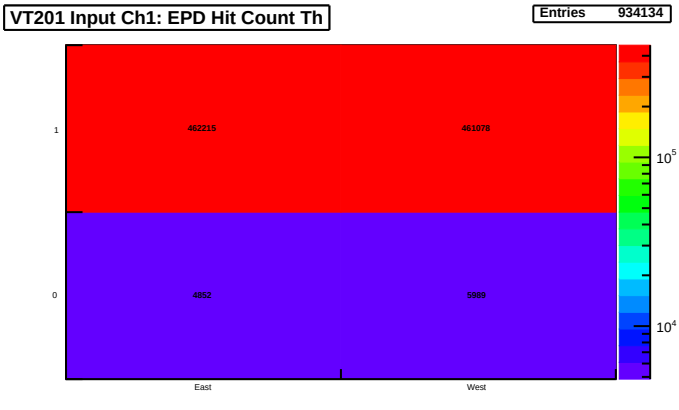

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

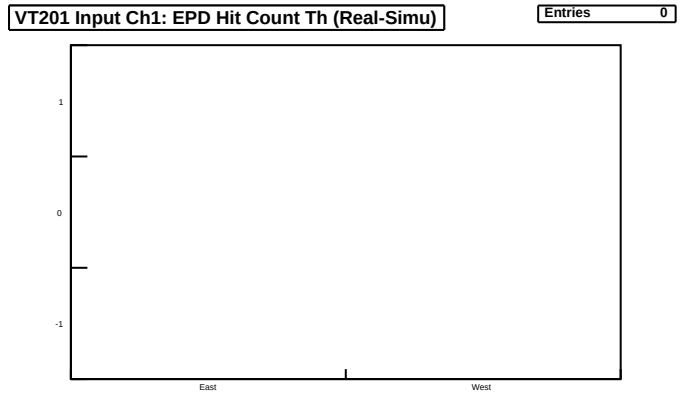

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 934134
306208
434765
160859
32302
East
West

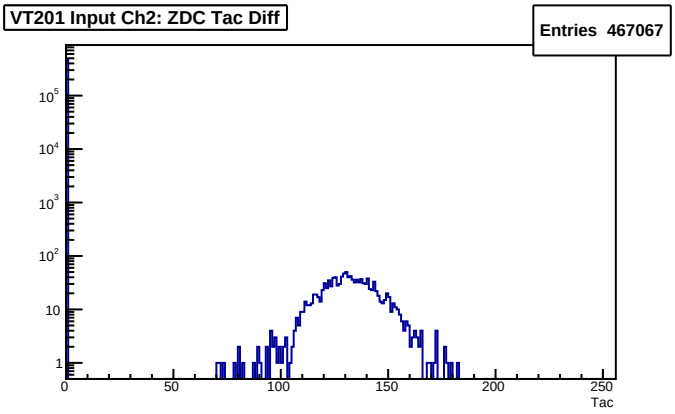

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

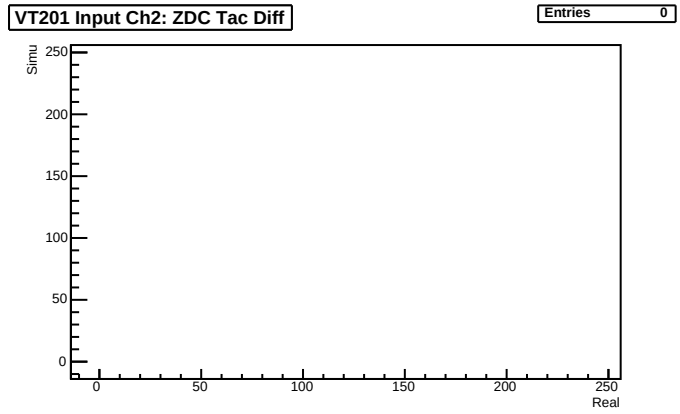

VT201 Input Ch1: EPD Tac Diff
Entries 467067
Tac

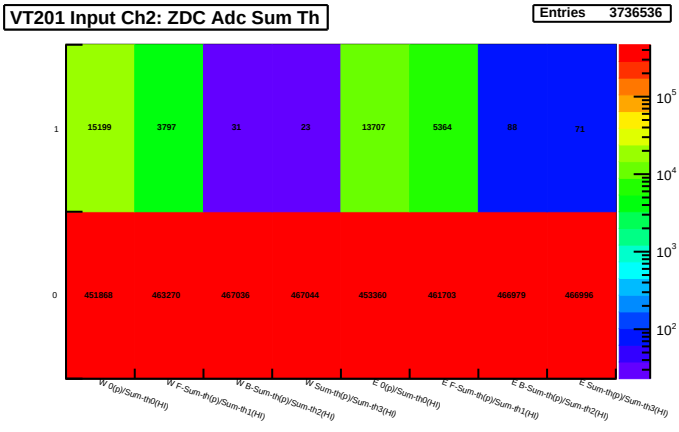

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

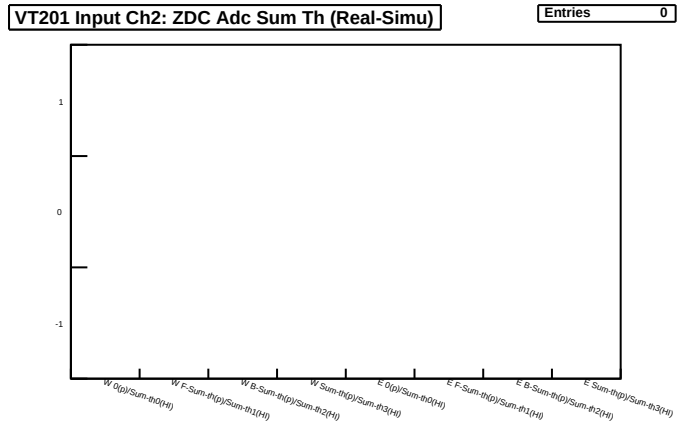

VT201 Input Ch1: EPD Hit Count Th
Entries 934134
462215
461078
4852
5989
East
West

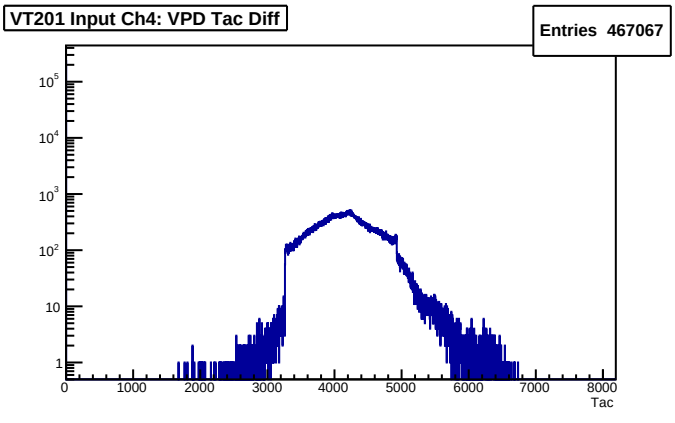

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

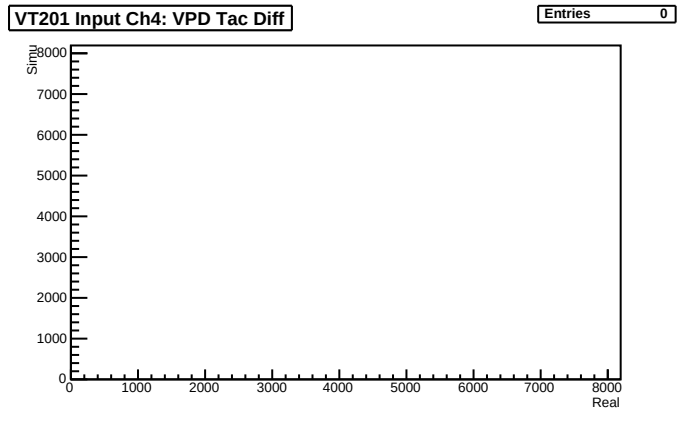

VT201 Input Ch2: ZDC Tac Diff
Entries 467067
Tac

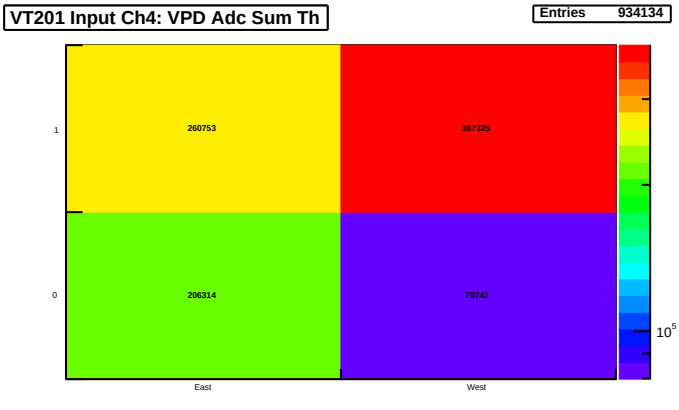

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

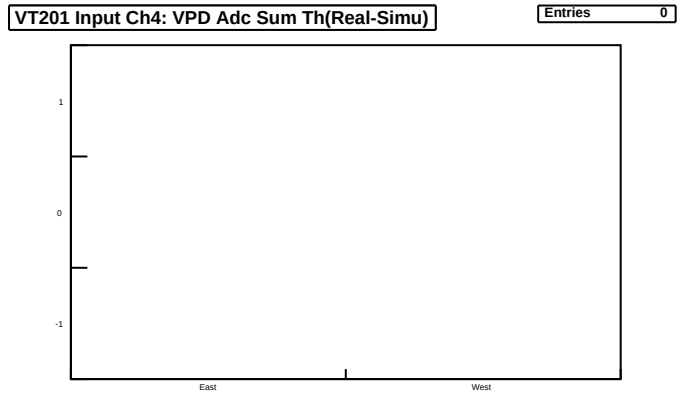

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3736536
15199
3797
31
23
13707
5364
88
71
451868
463270
467036
467044
453360
461703
466979
466996
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

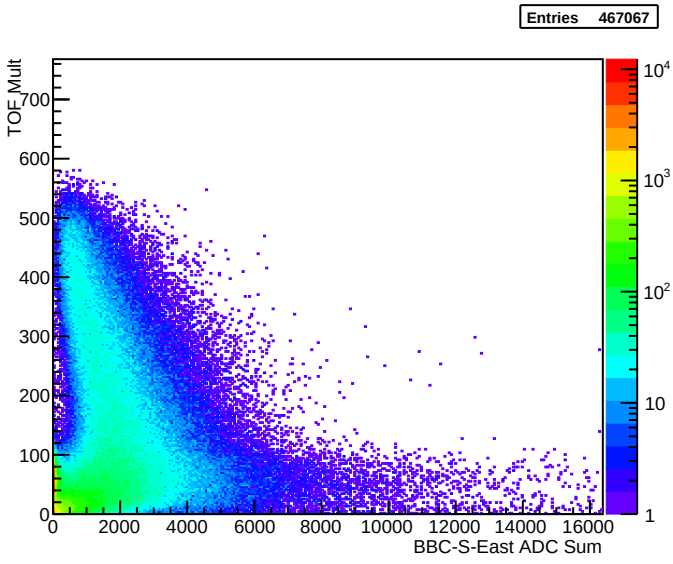

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

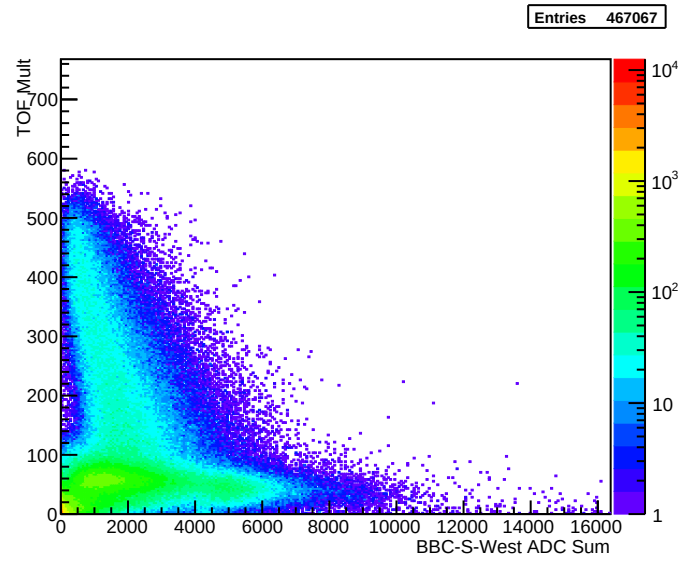

VT201 Input Ch4: VPD Tac Diff
Entries 467067
Tac

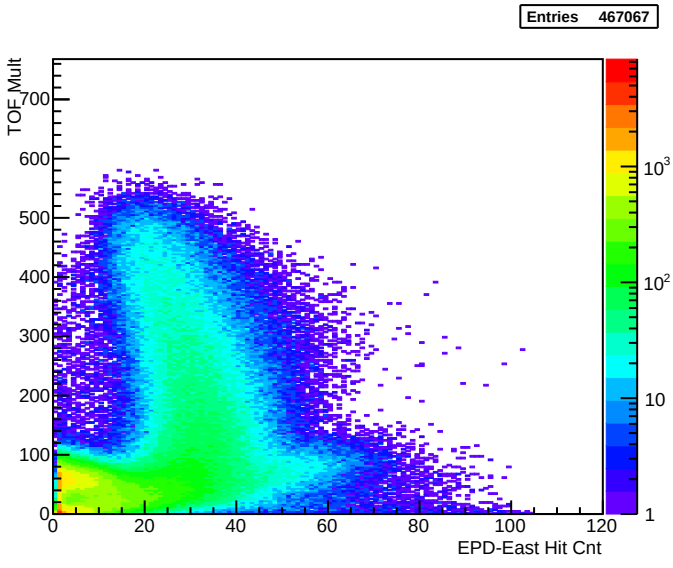

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

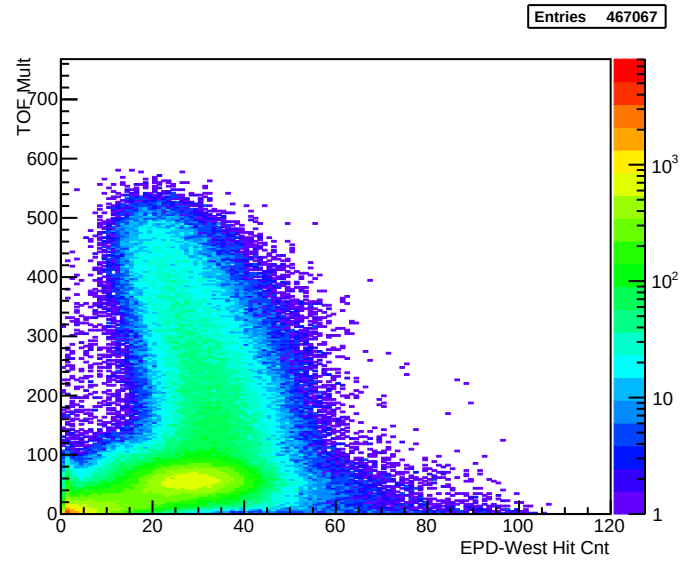

VT201 Input Ch4: VPD Adc Sum Th
Entries 934134
260753
387325
206314
79742
East
West

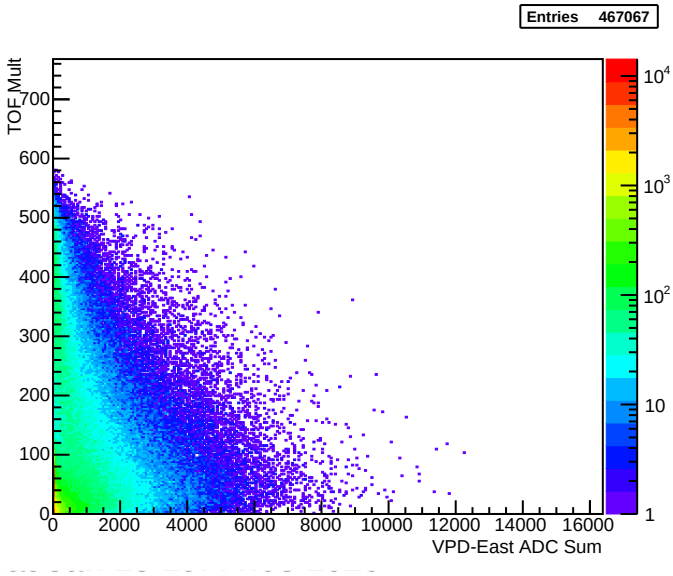

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

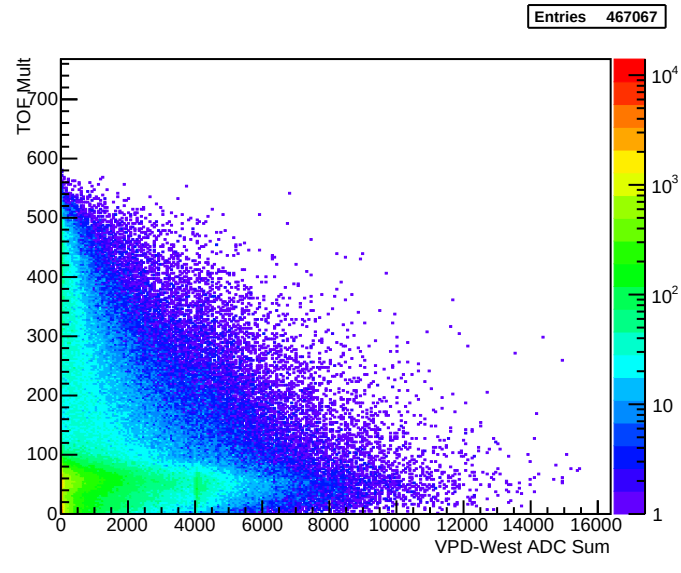

Entries 467067
TOF_Mult
BBC-S-East ADC Sum

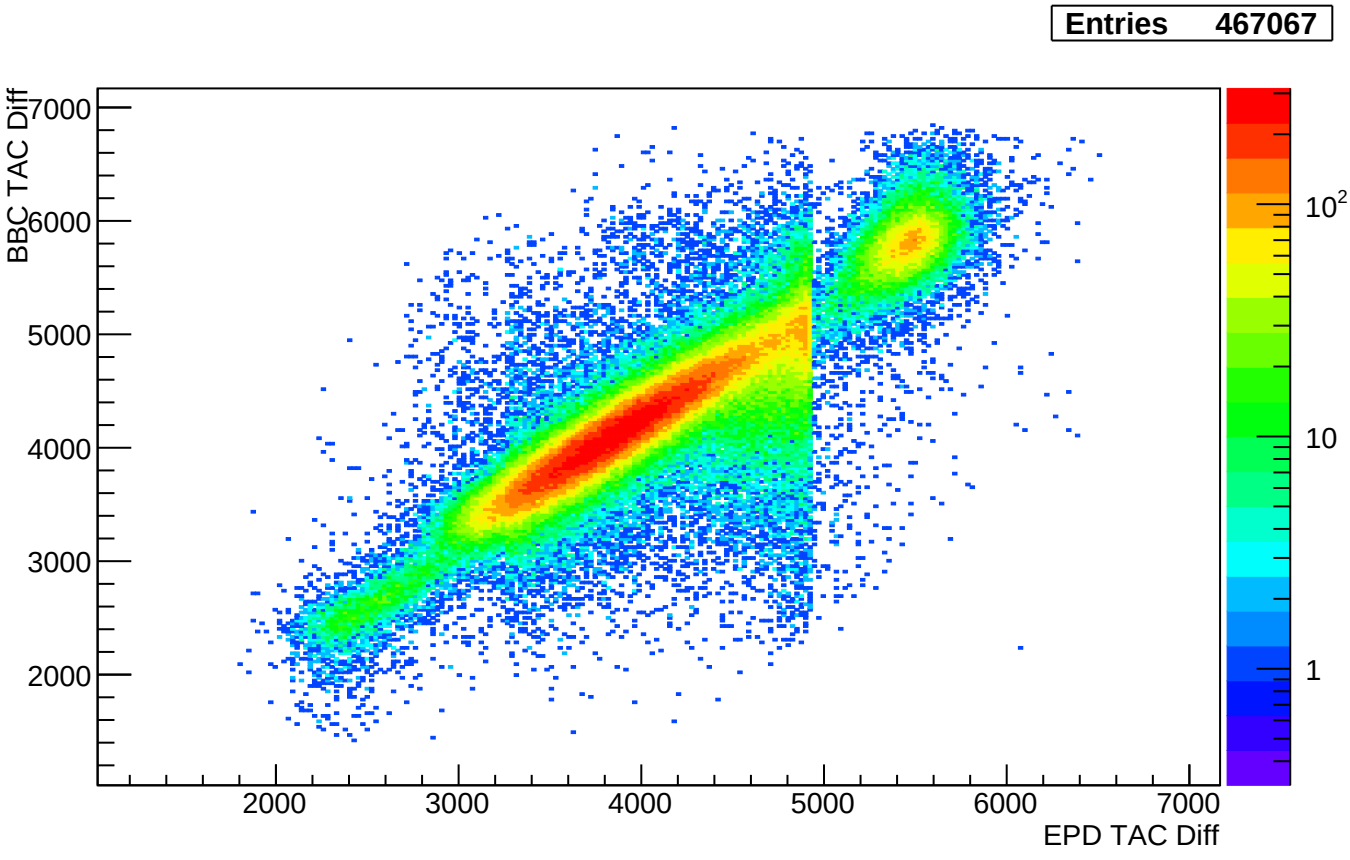

Entries 467067
TOF_Mult
BBC-S-West ADC Sum

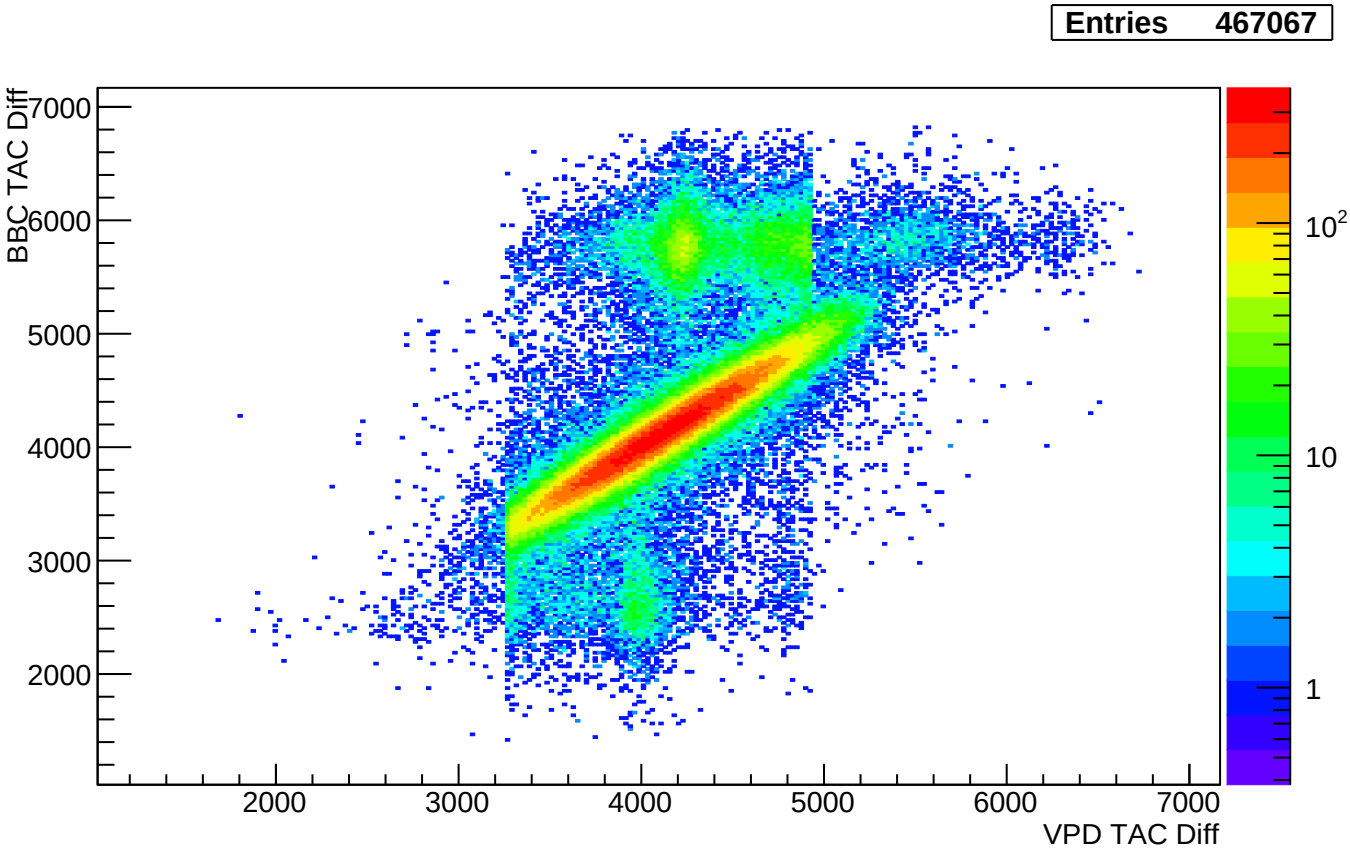

Entries 467067
TOF_Mult
EPD-East Hit Cnt

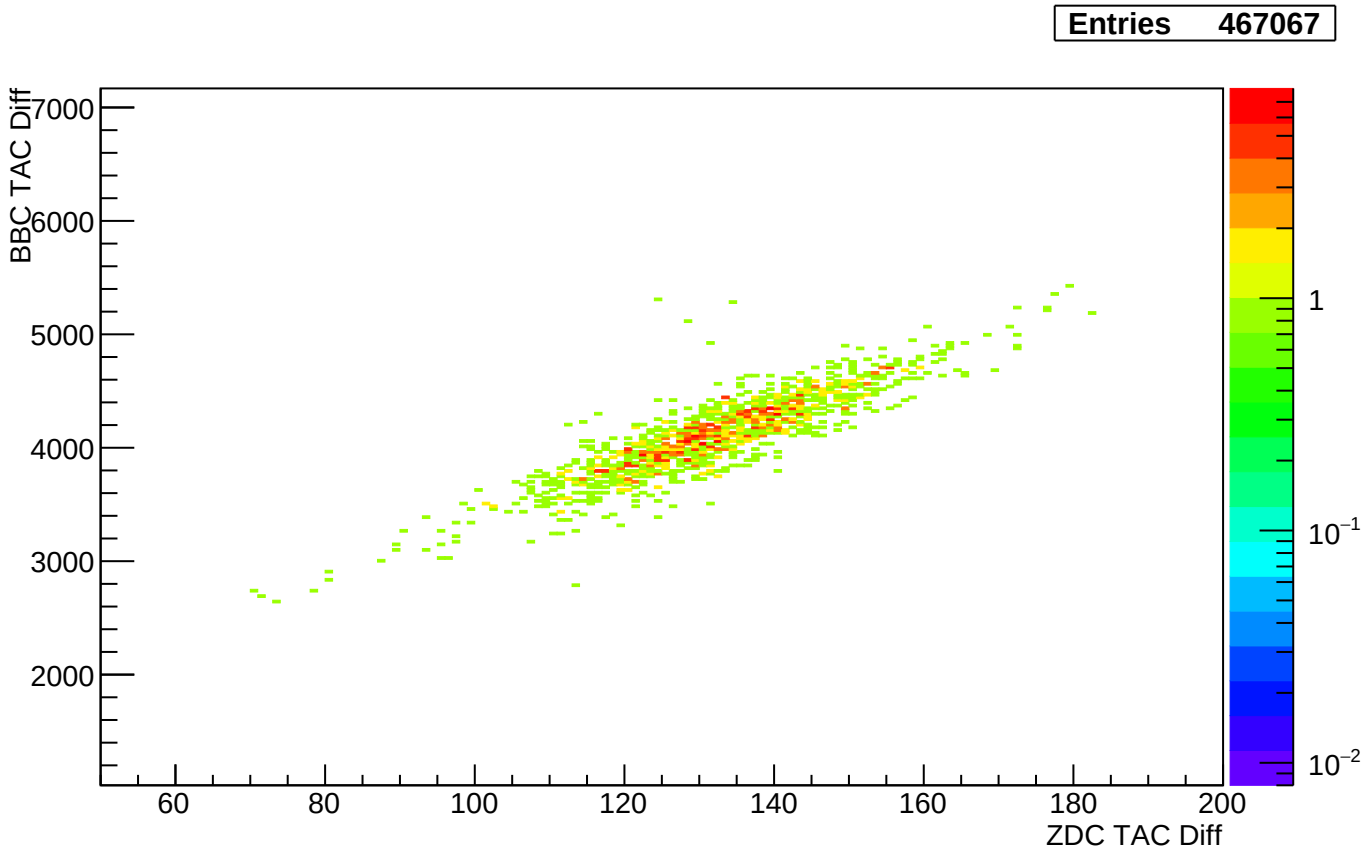

Entries 467067
TOF_Mult
EPD-West Hit Cnt

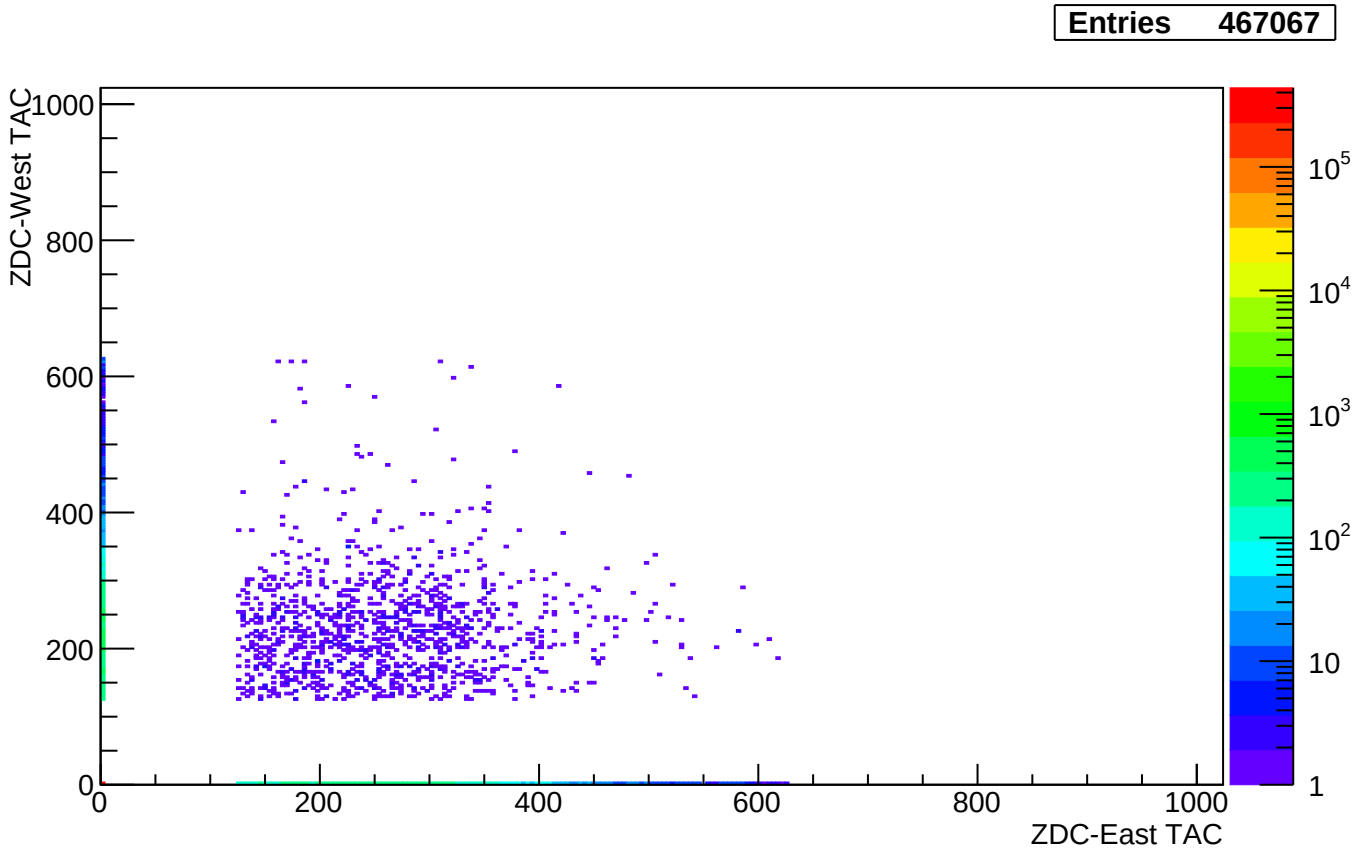

Entries 467067
TOF_Mult
VPD-East ADC Sum

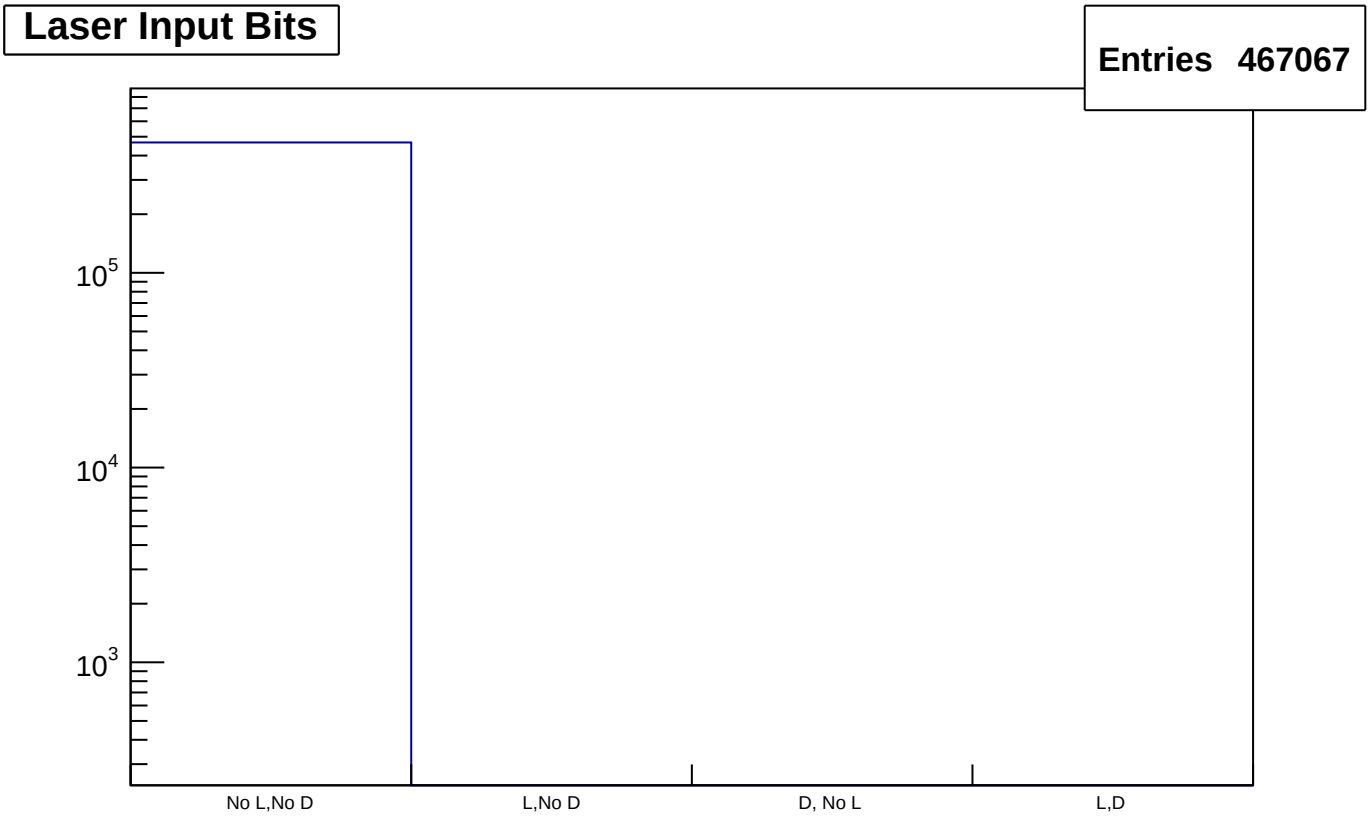

Entries 467067
TOF_Mult
VPD-West ADC Sum

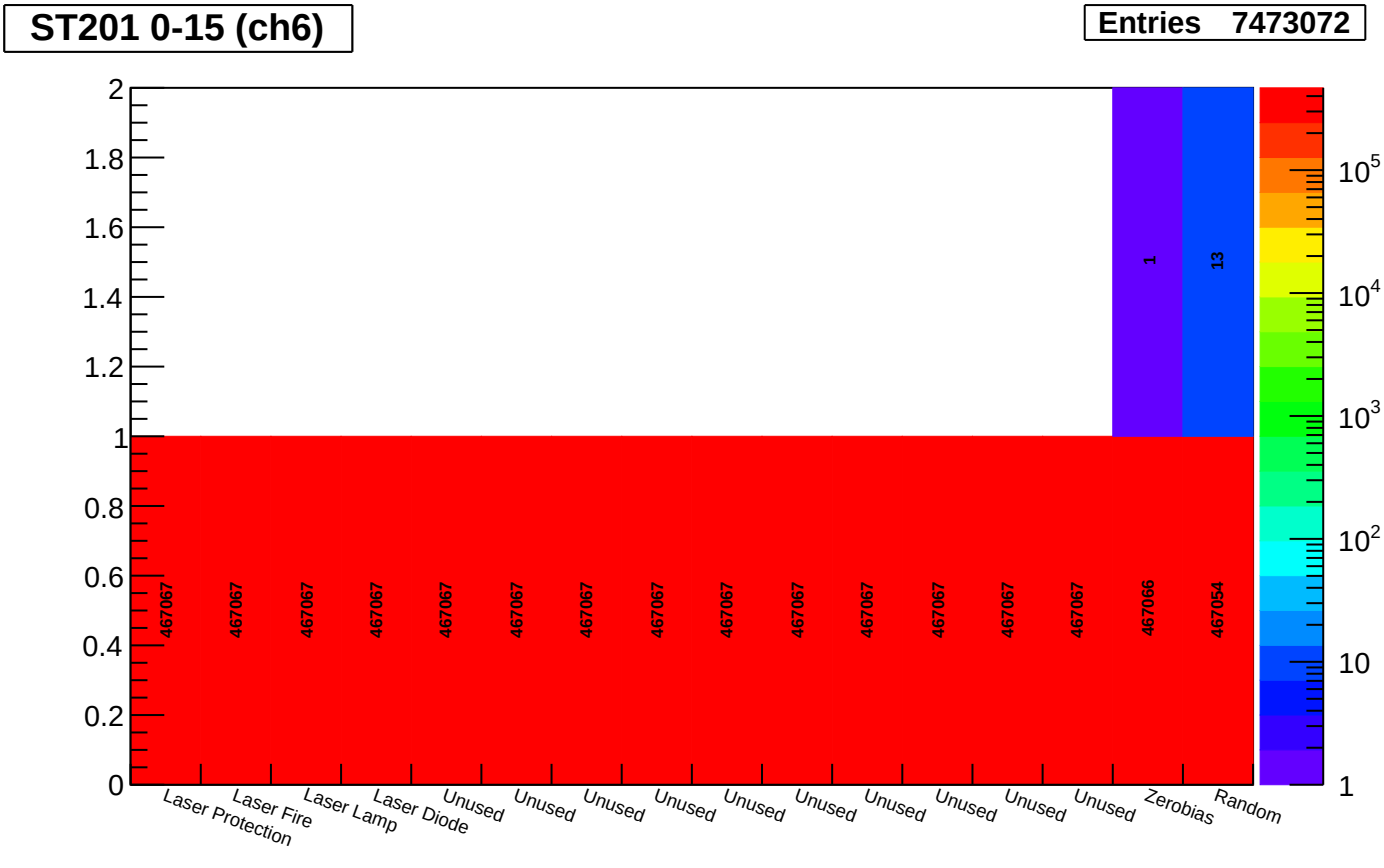

Entries 467067
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

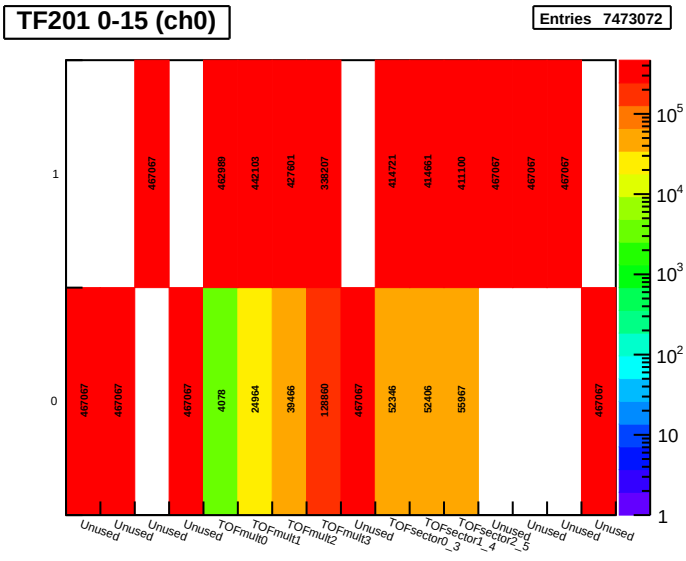

Entries 467067
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

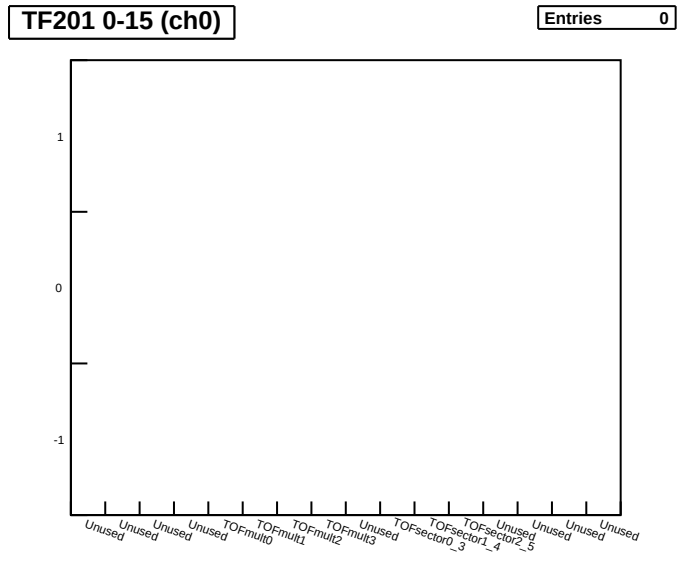

Entries 467067
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

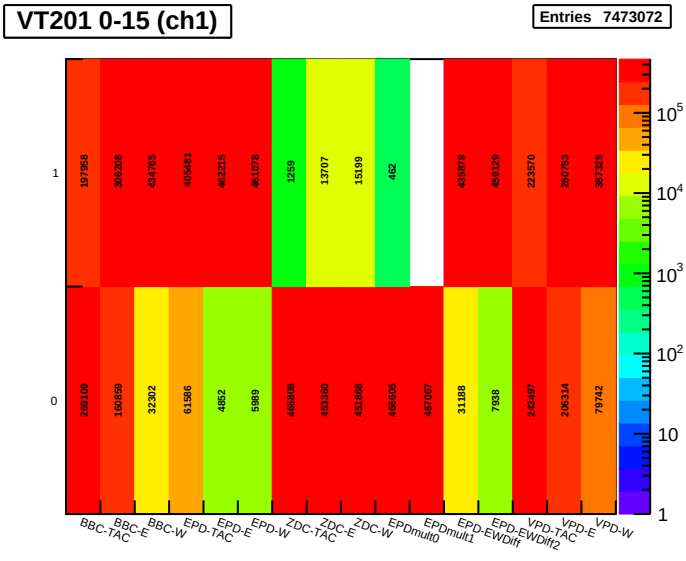

Entries 467067
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

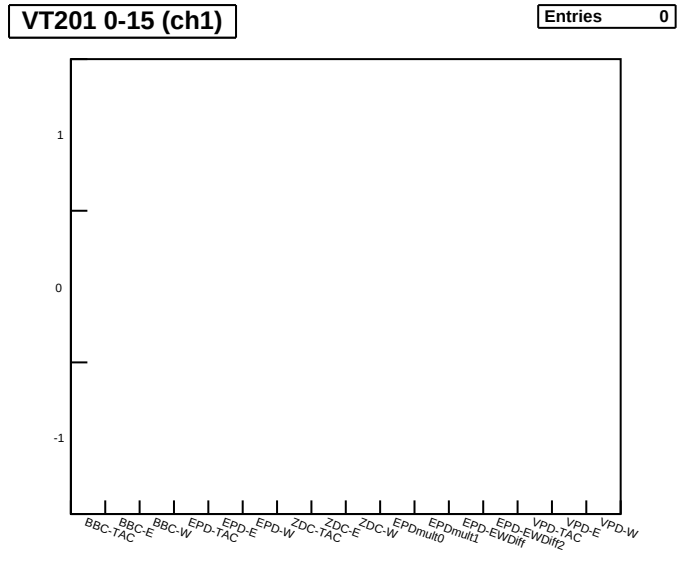

Laser Input Bits
Entries 467067
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

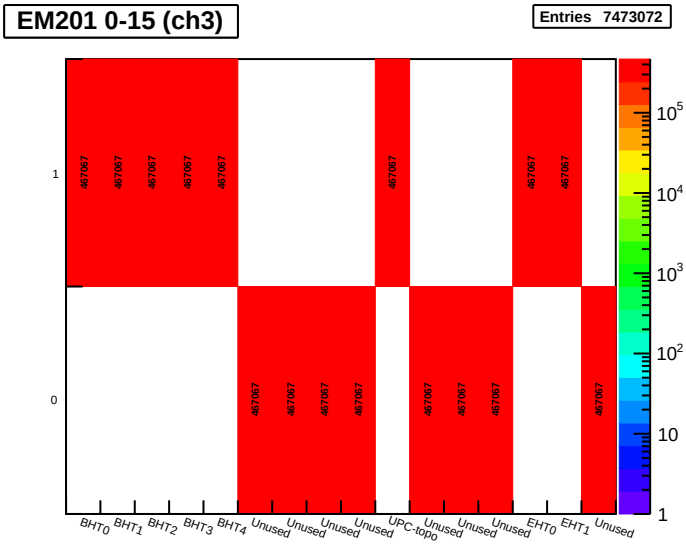

ST201 0-15 (ch6)
Entries 7473072
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
467067
467066
467054
1
13
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

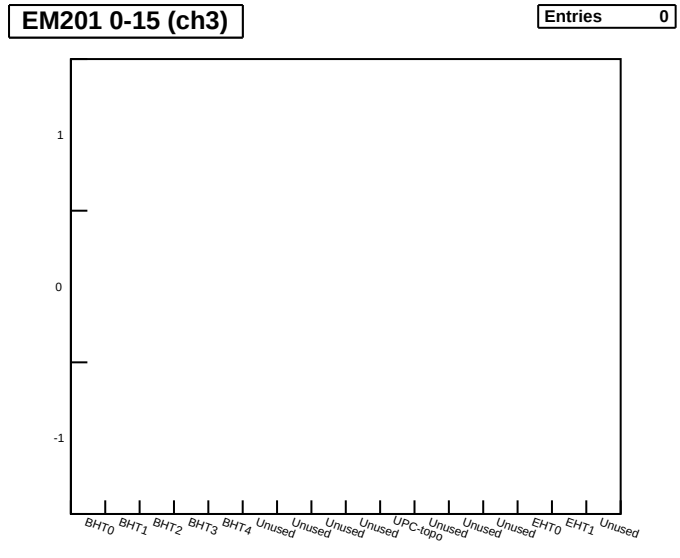

TF201 0-15 (ch0)
Entries 7473072
1
0
467067
462989
442103
427601
338207
414721
414661
411100
467067
467067
467067
467067
467067
467067
4078
24964
39466
128860
467067
52346
52406
55967
467067
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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
Unused


VT201 0-15 (ch1)
Entries 7473072
1
0
197958
306208
434765
405481
462215
461078
1259
13707
15199
462
435879
459129
223570
260753
387325
269109
160859
32302
61586
4852
5989
466808
453360
451868
466605
467067
31188
7938
243497
206314
79742
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 7473072
1
0
467067
467067
467067
467067
467067
467067
467067
467067
467067
467067
467067
467067
467067
467067
467067
467067
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