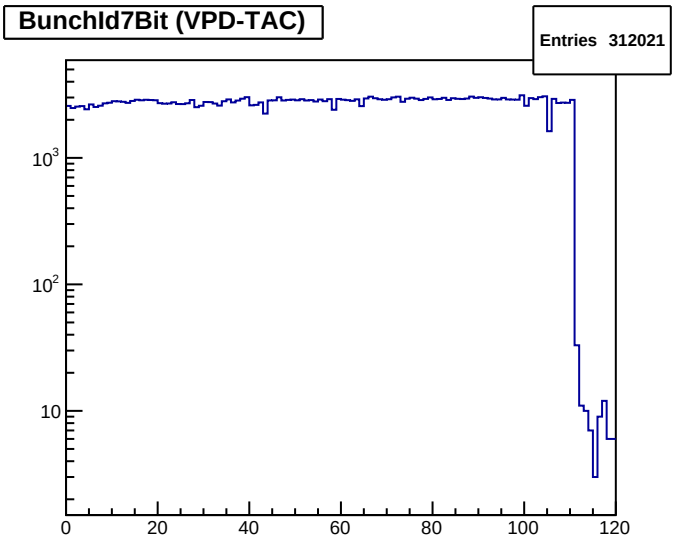
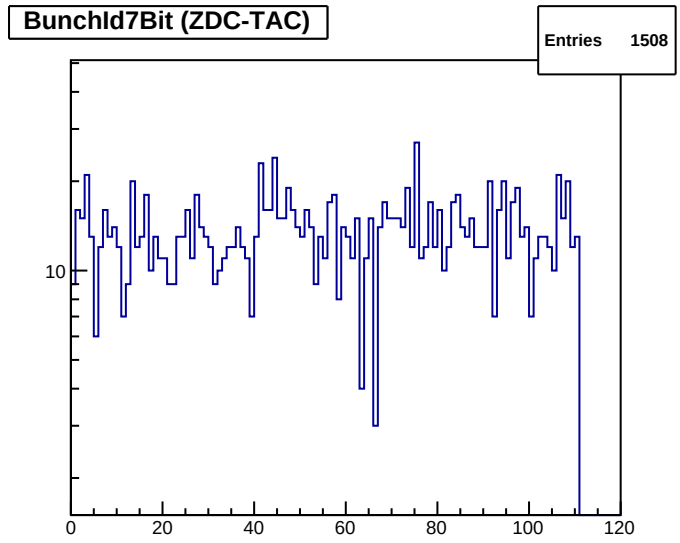
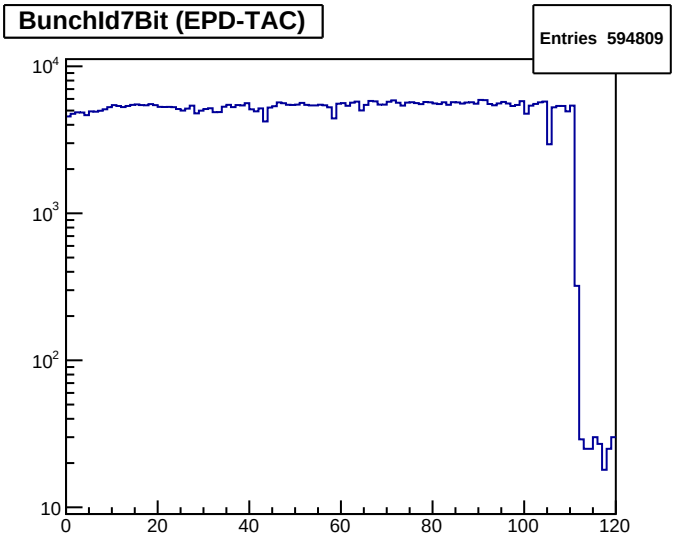
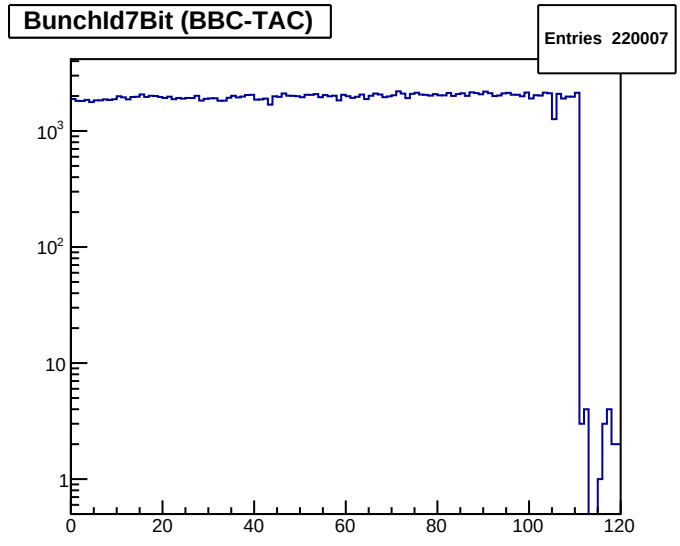
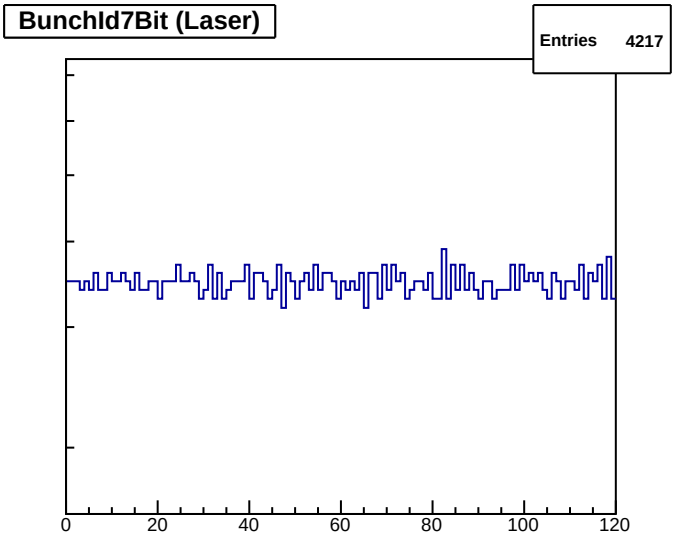
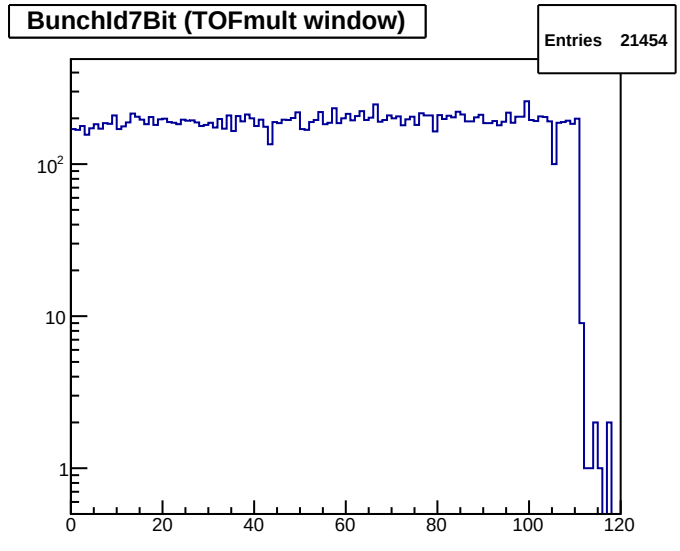

BunchId7Bit (VPD-TAC)
Entries 312021
10^3
10^2
10
0 20 40 60 80 100 120

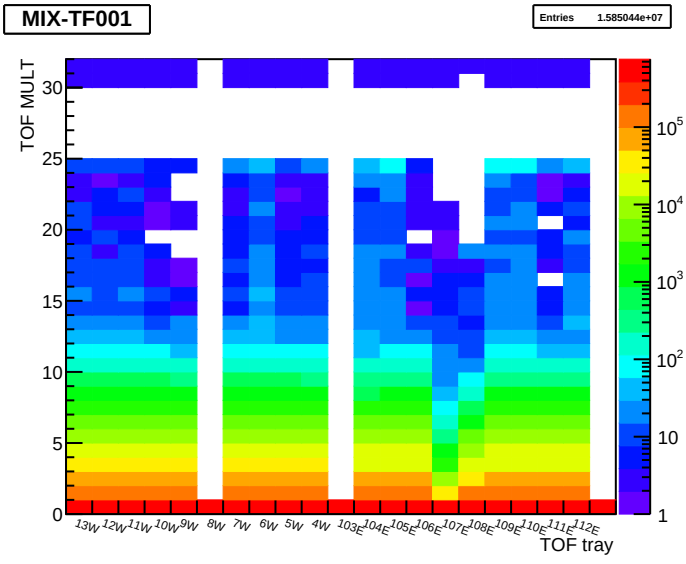

BunchId7Bit (ZDC-TAC)
Entries 1508
10
0 20 40 60 80 100 120

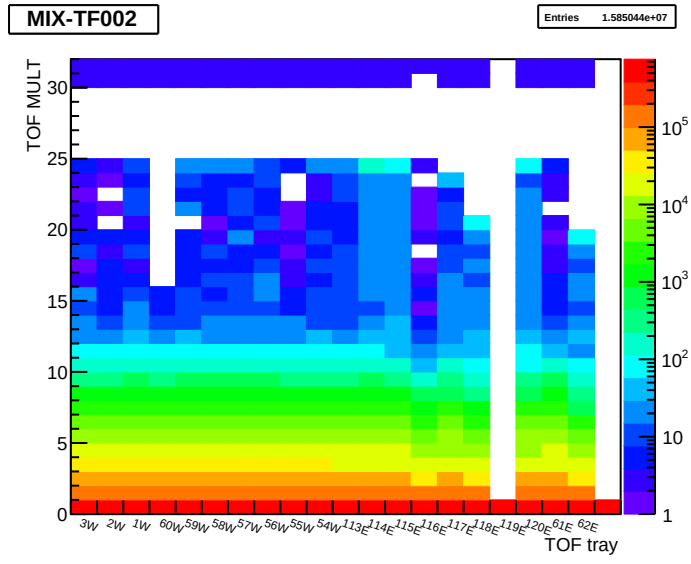

BunchId7Bit (EPD-TAC)
Entries 594809
10^4
10^3
10^2
10
0 20 40 60 80 100 120

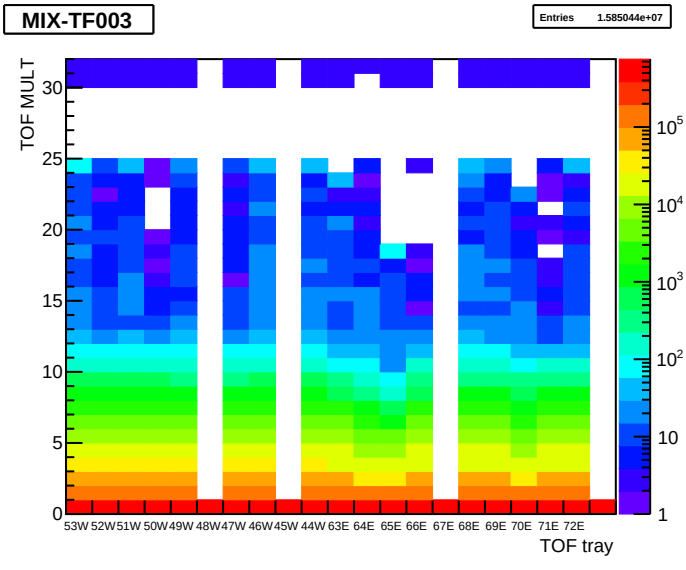

BunchId7Bit (BBC-TAC)
Entries 220007
10^3
10^2
10
1
0 20 40 60 80 100 120

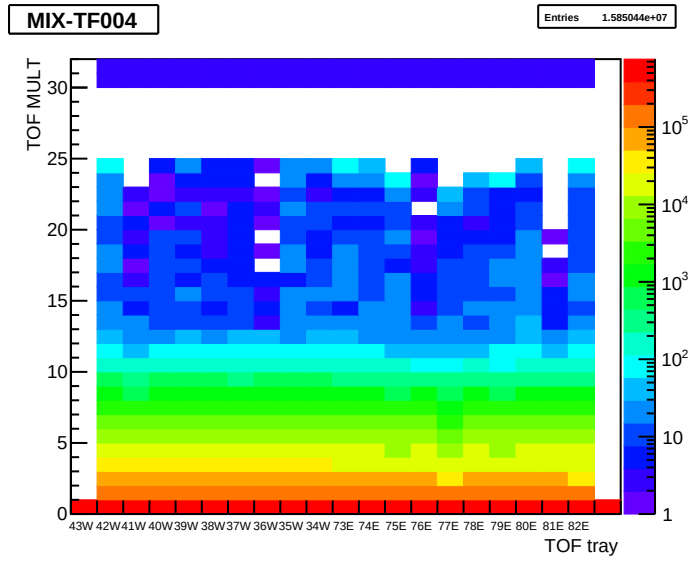

BunchId7Bit (Laser)
Entries 4217
0 20 40 60 80 100 120

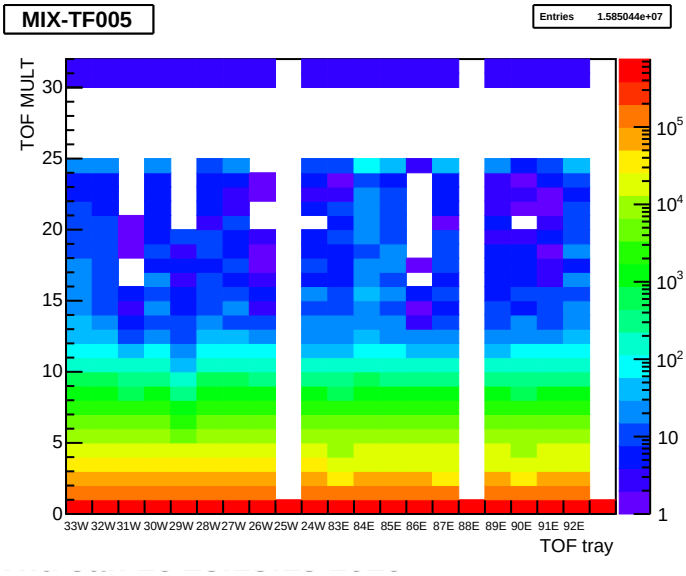

BunchId7Bit (TOFmult window)
Entries 21454
10^2
10
1
0 20 40 60 80 100 120

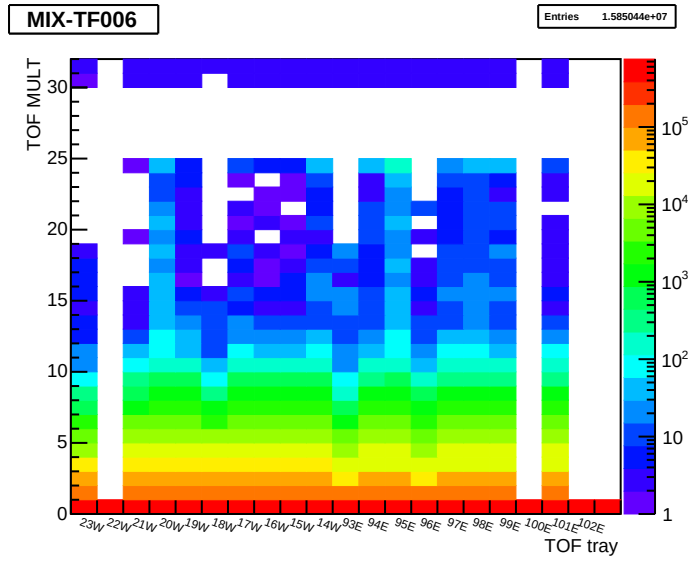

MIX-TF001
Entries 1.585044e+07
TOF MULT
TOF tray

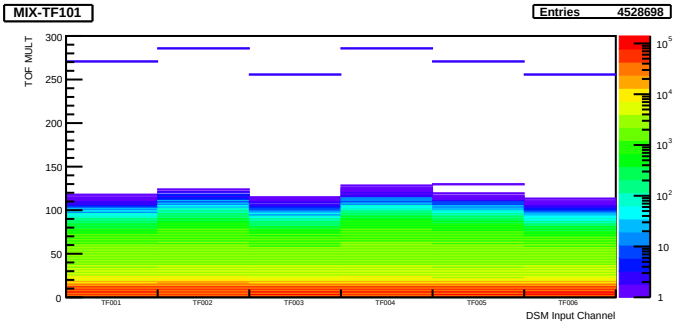

MIX-TF002
Entries 1.585044e+07
TOF MULT
TOF tray

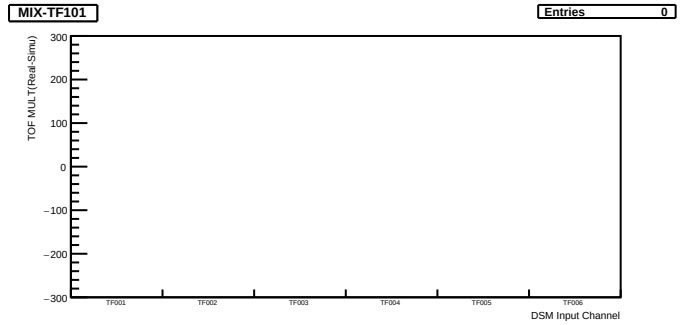

MIX-TF003
Entries 1.585044e+07
TOF MULT
TOF tray

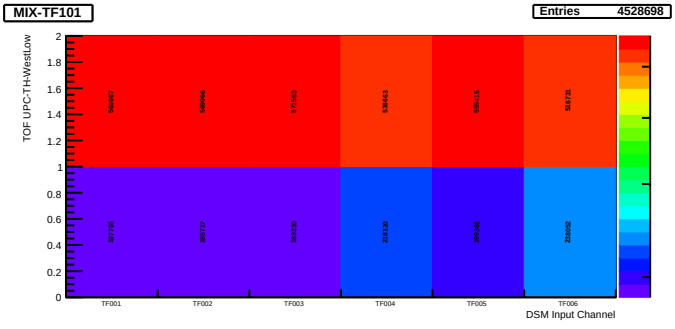

MIX-TF004
Entries 1.585044e+07
TOF MULT
TOF tray

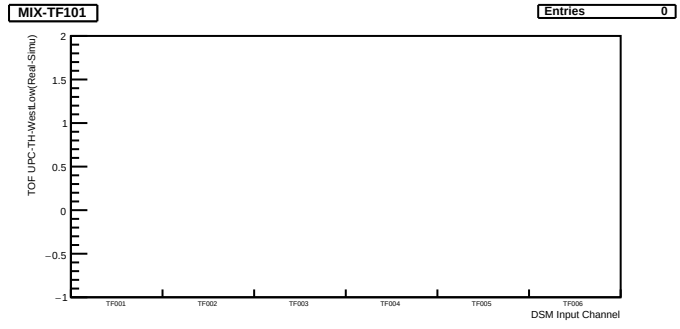

MIX-TF005
Entries 1.585044e+07
TOF MULT
TOF tray

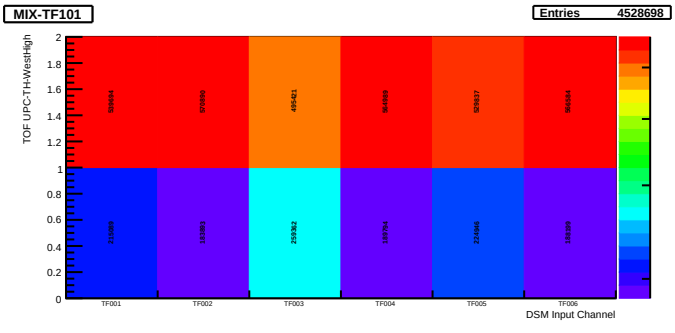

MIX-TF006
Entries 1.585044e+07
TOF MULT
TOF tray

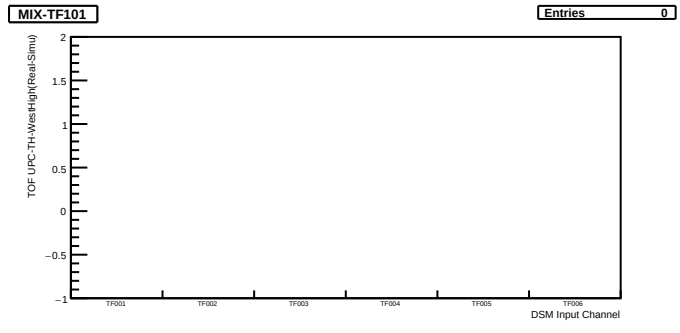

MIX-TF101
Entries 4528698
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

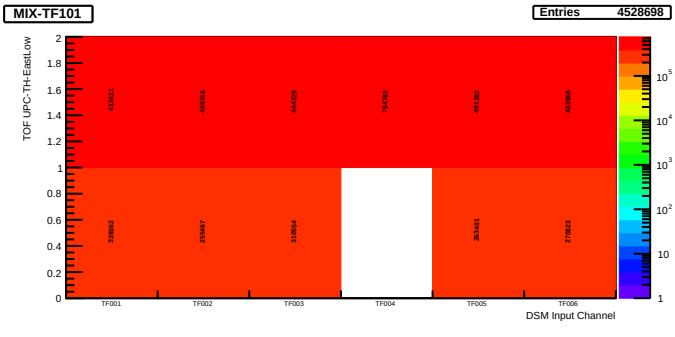

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

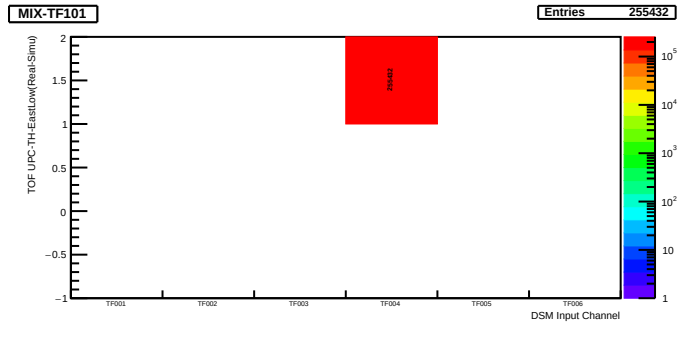

MIX-TF101
Entries 4528698
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

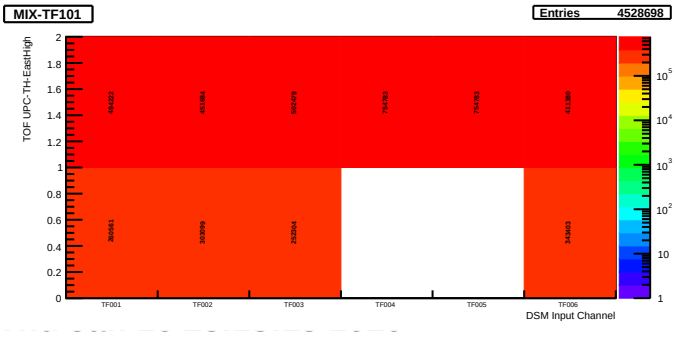

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

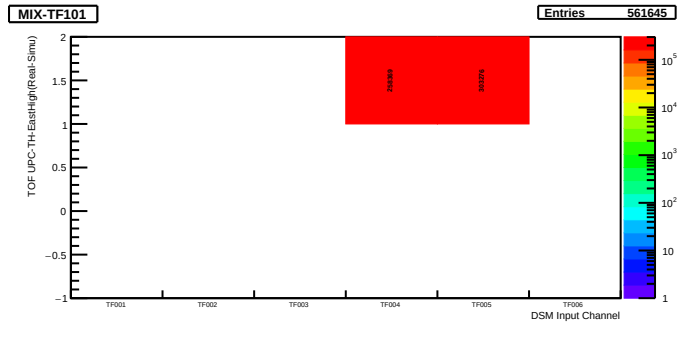

MIX-TF101
Entries 4528698
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

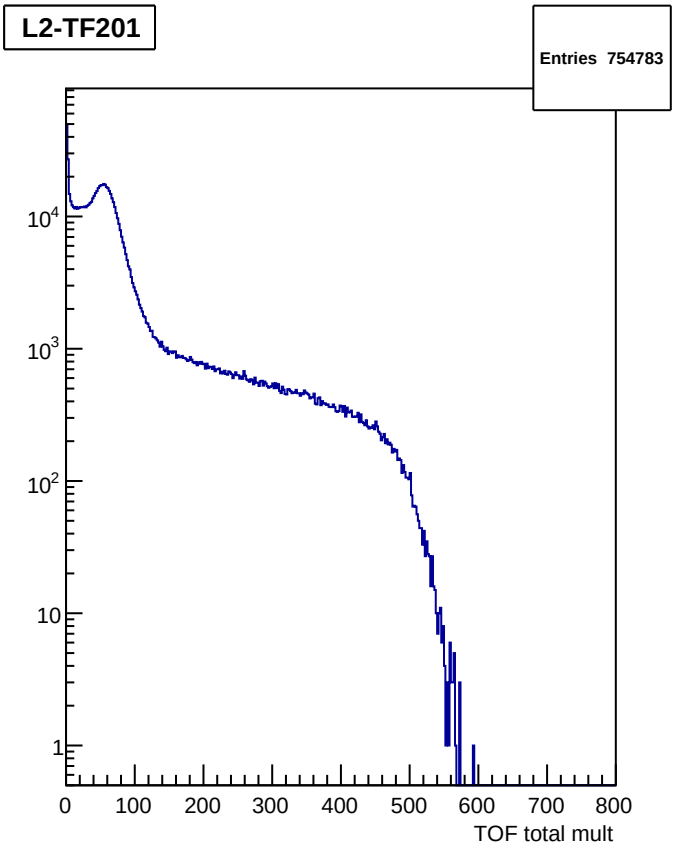

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

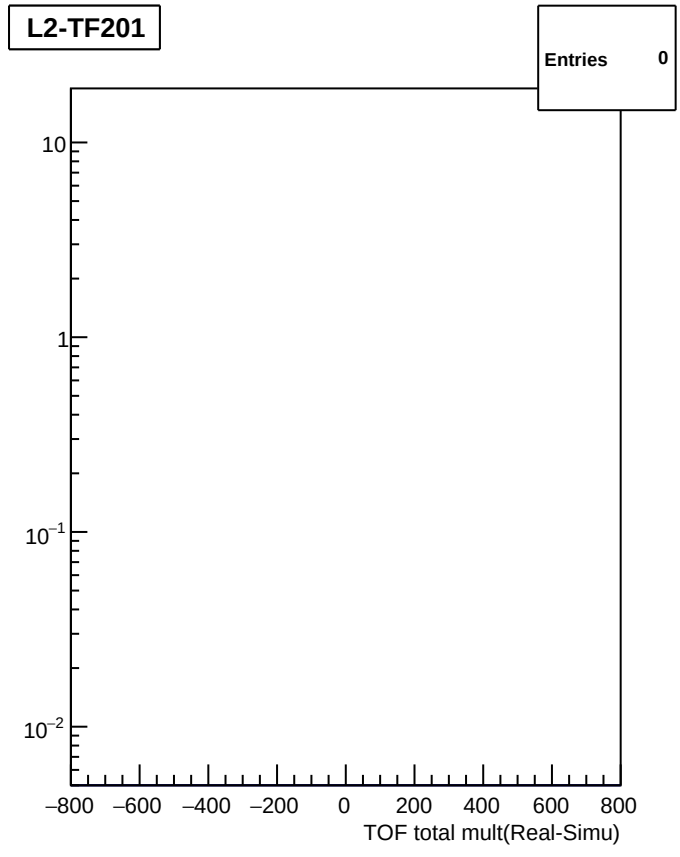

MIX-TF101
Entries 4528698
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

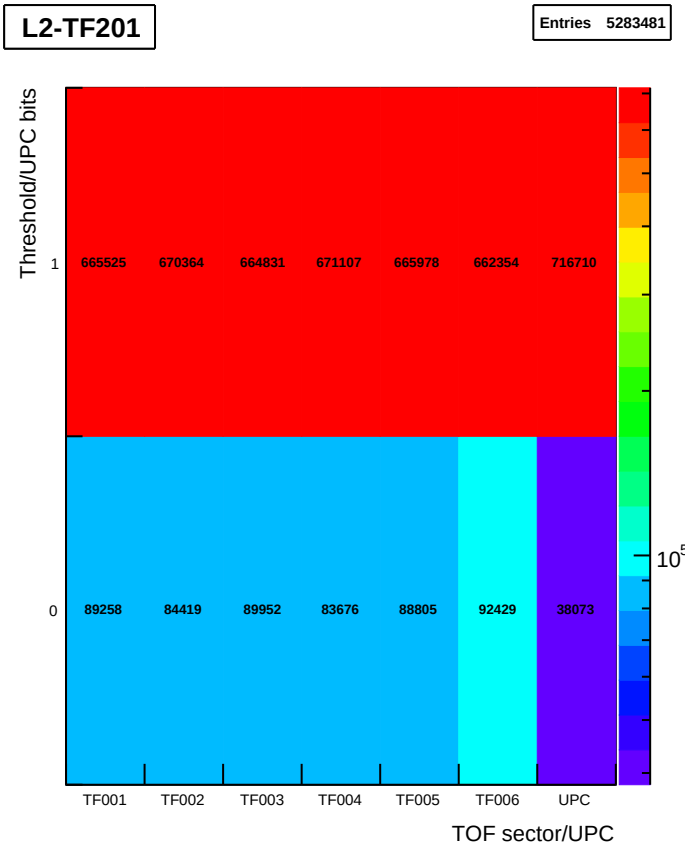

MIX-TF101
Entries 255432
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

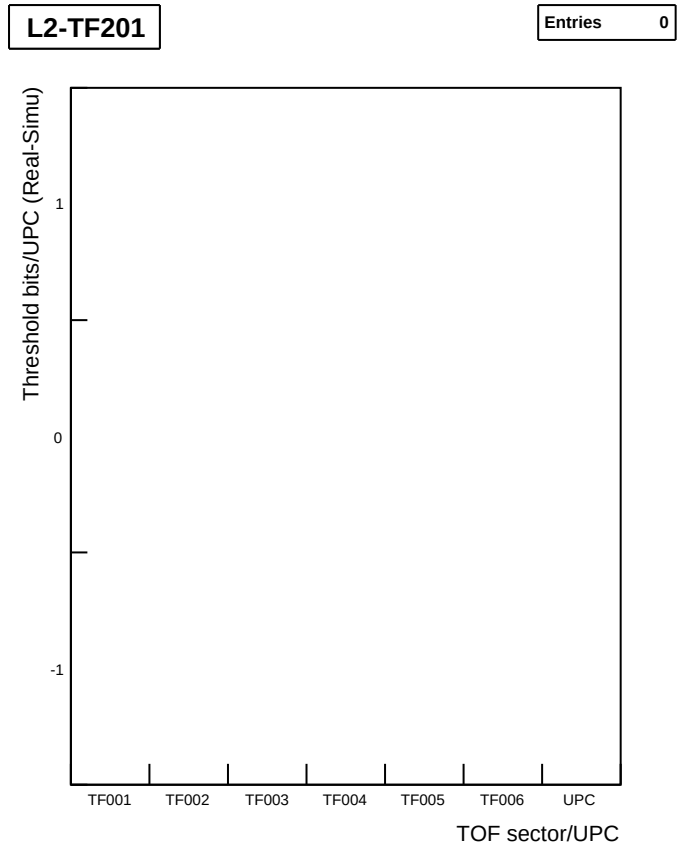

MIX-TF101
Entries 4528698
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

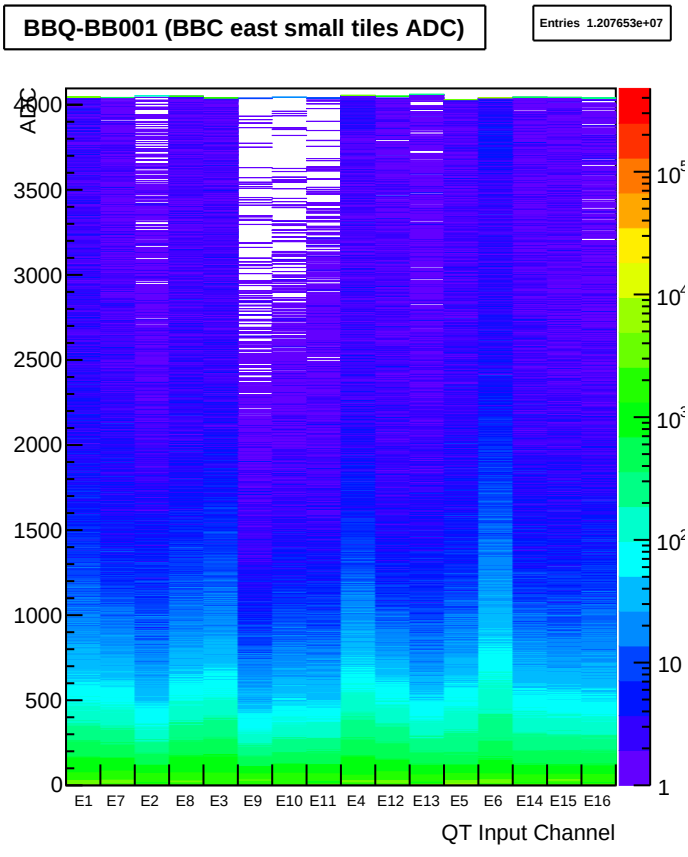

MIX-TF101
Entries 561645
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

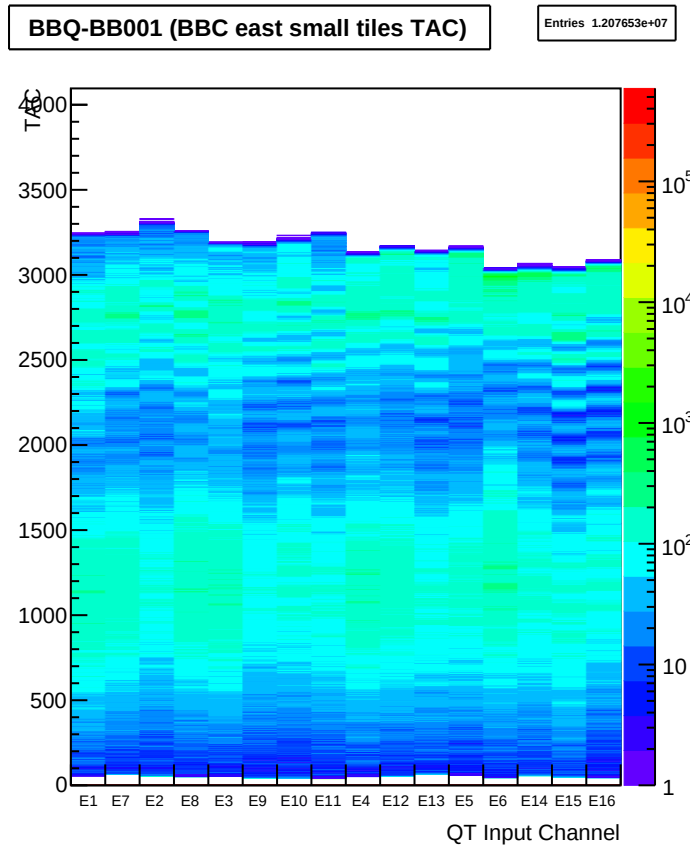

L2-TF201
Entries 754783
TOF total mult

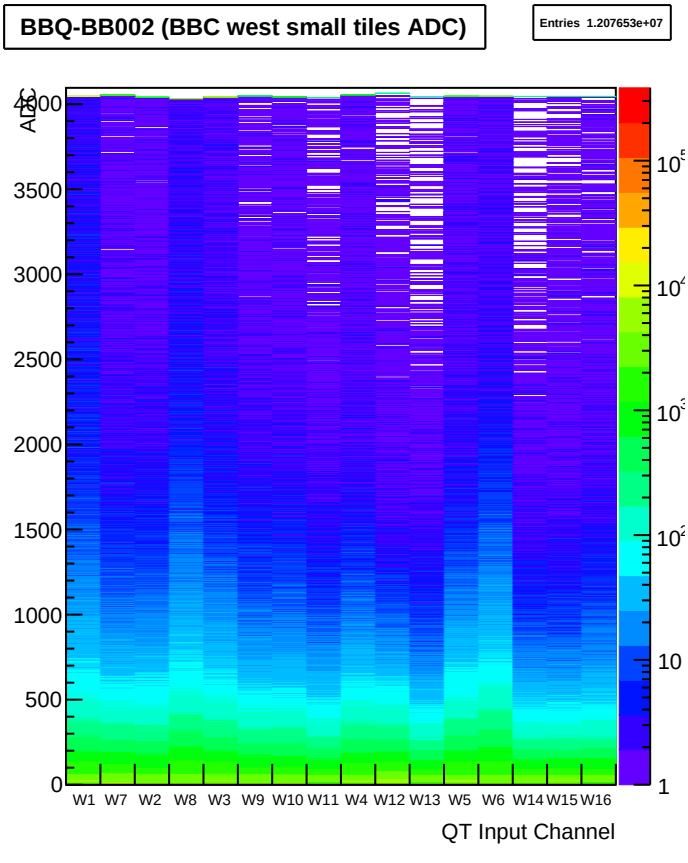

L2-TF201
Entries 0
TOF total mult(Real-Simu)

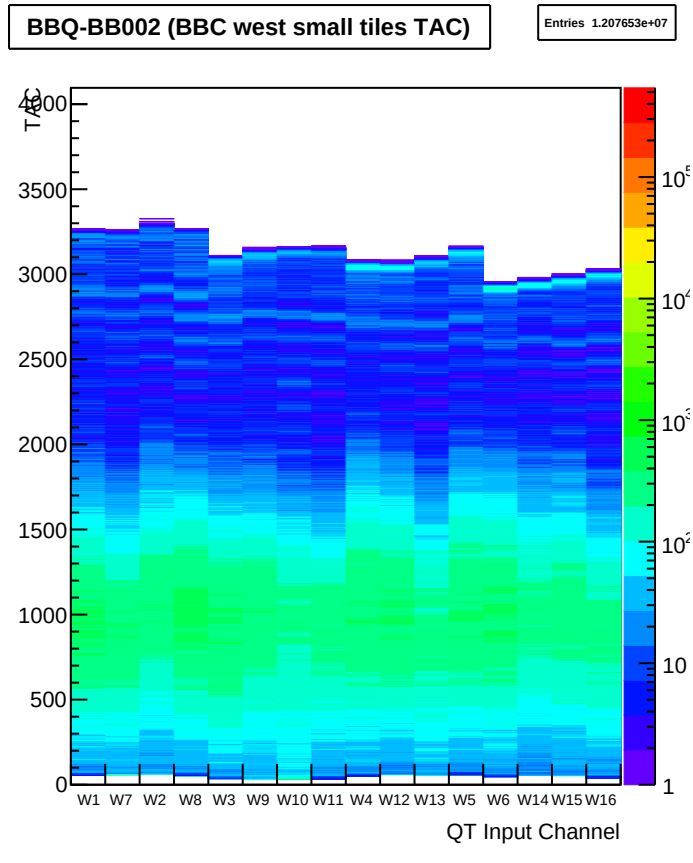

L2-TF201
Entries 5283481
Threshold/UPC bits
665525
670364
664831
671107
665978
662354
716710
89258
84419
89952
83676
88805
92429
38073
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

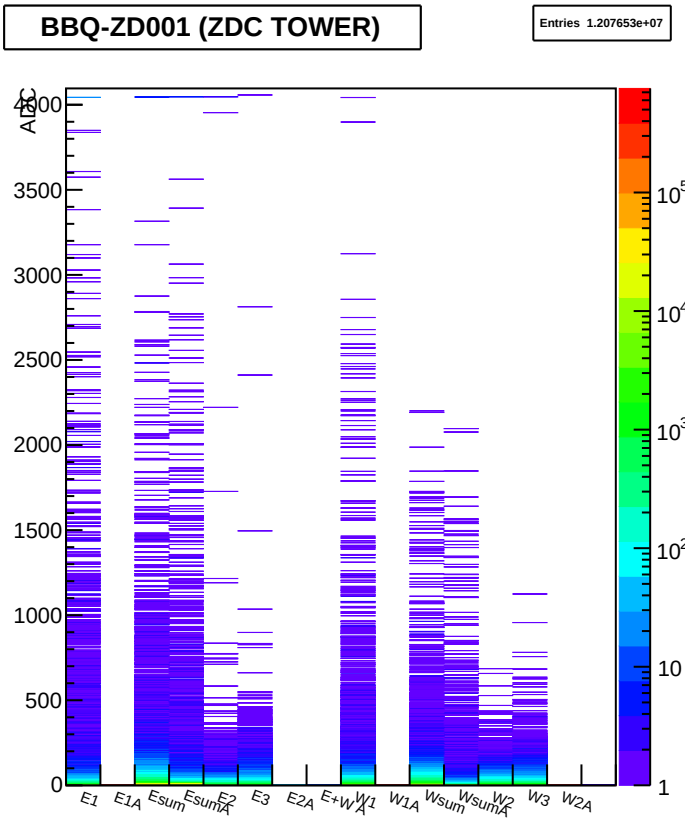

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

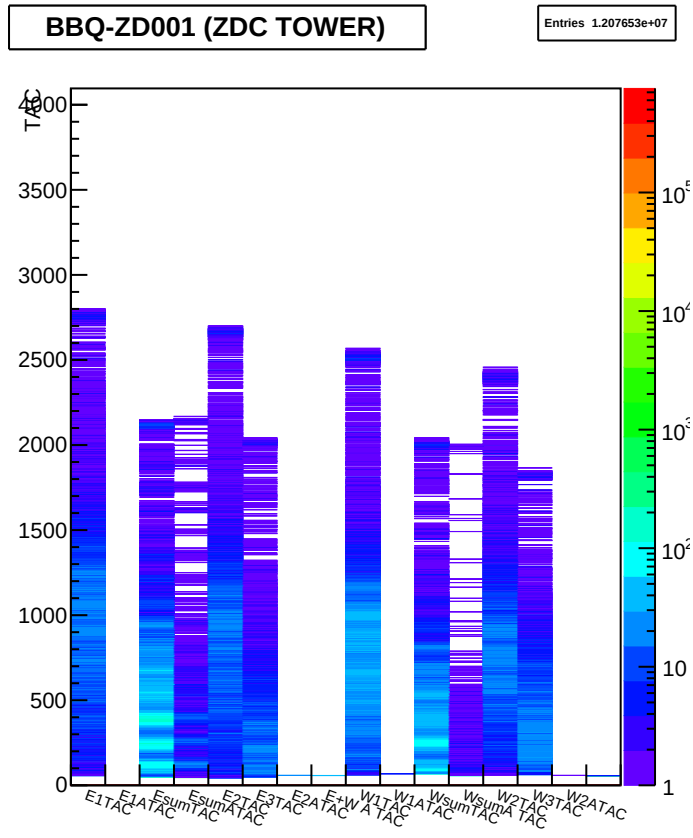

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.207653e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

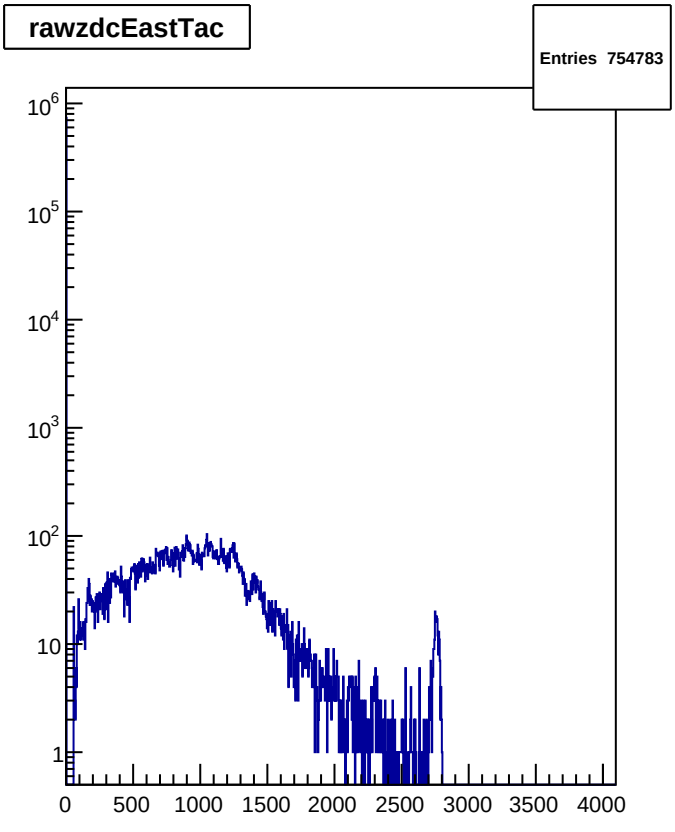

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.207653e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

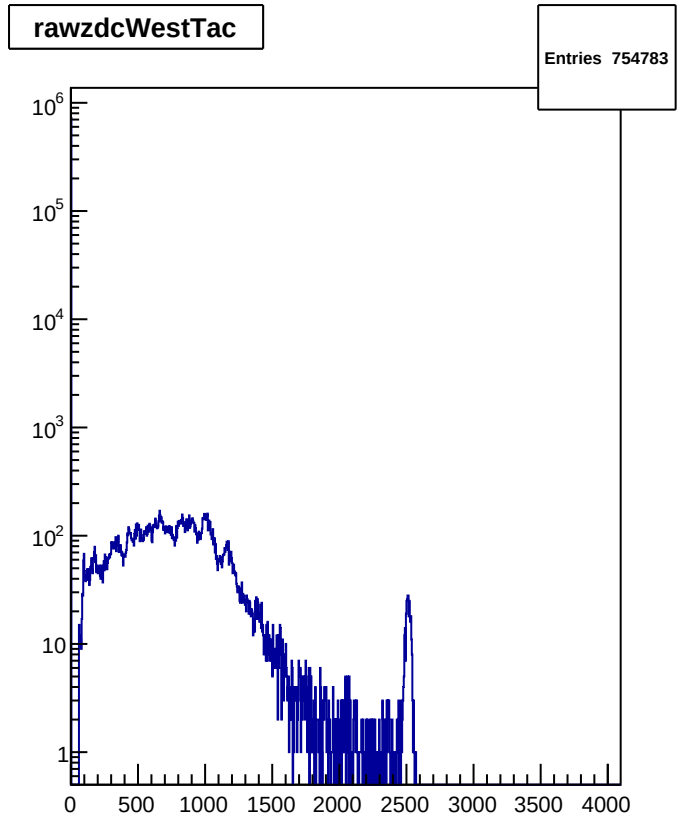

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.207653e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

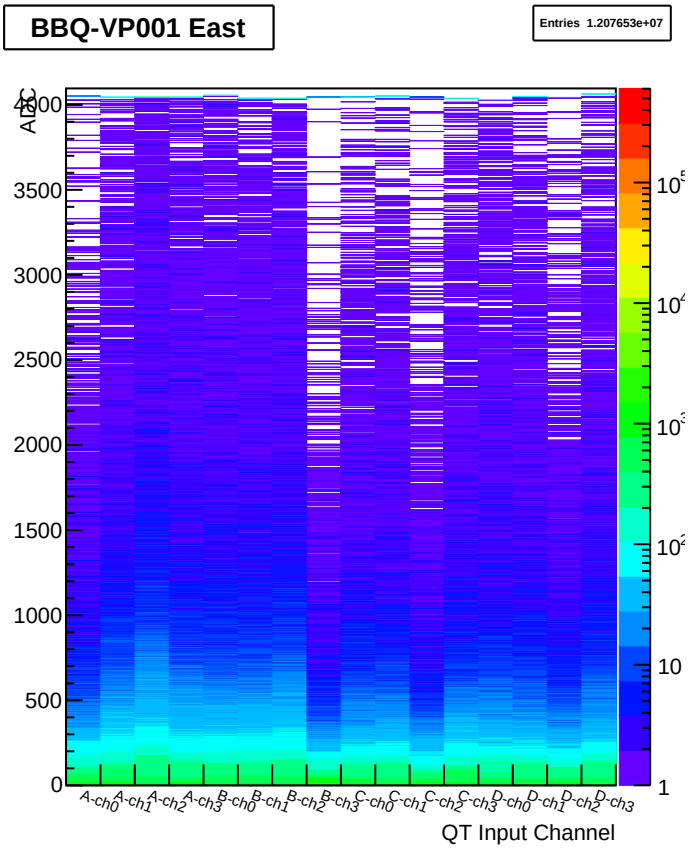

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.207653e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

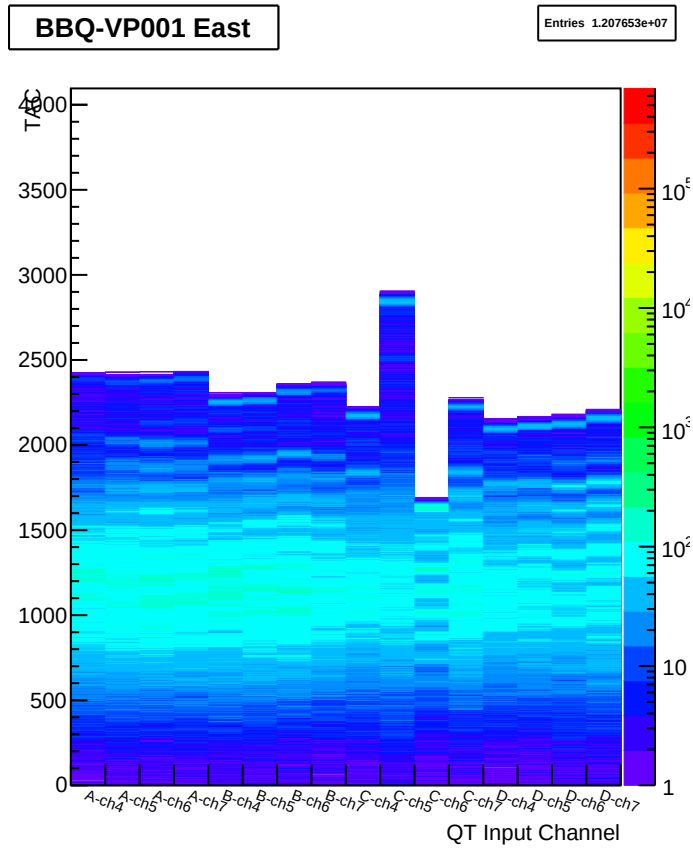

BBQ-ZD001 (ZDC TOWER)
Entries 1.207653e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

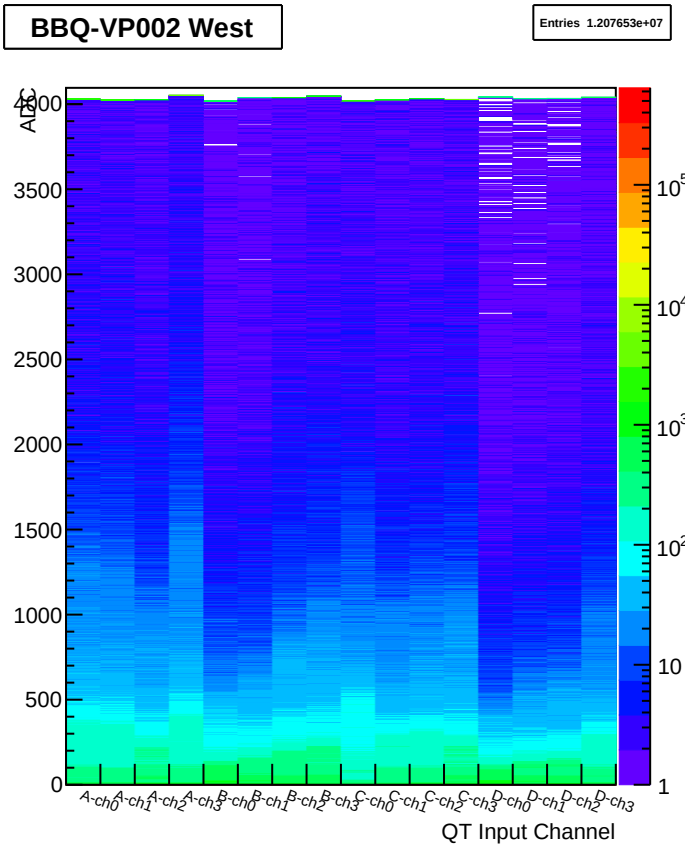

BBQ-ZD001 (ZDC TOWER)
Entries 1.207653e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

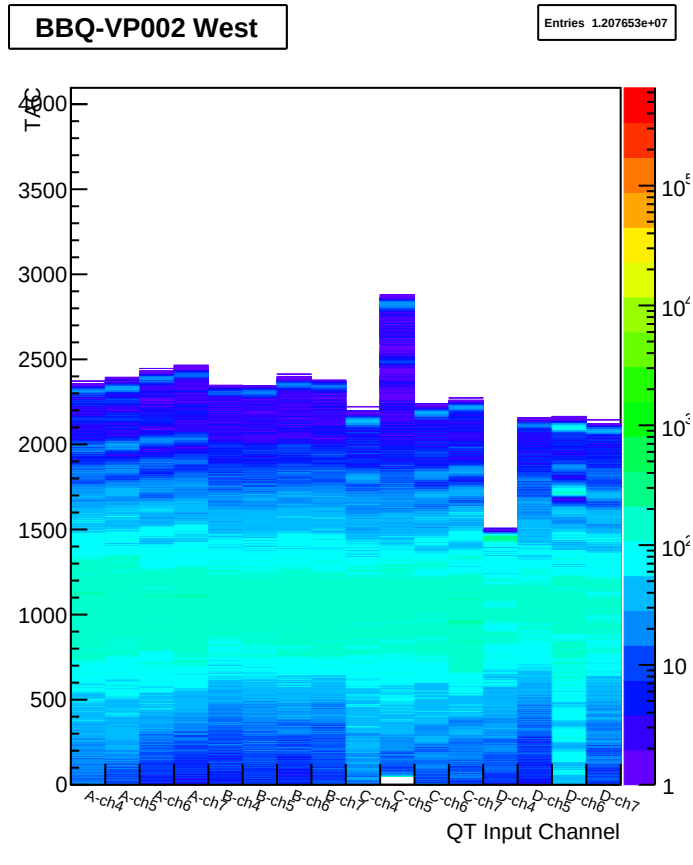

rawzdcEastTac
Entries 754783

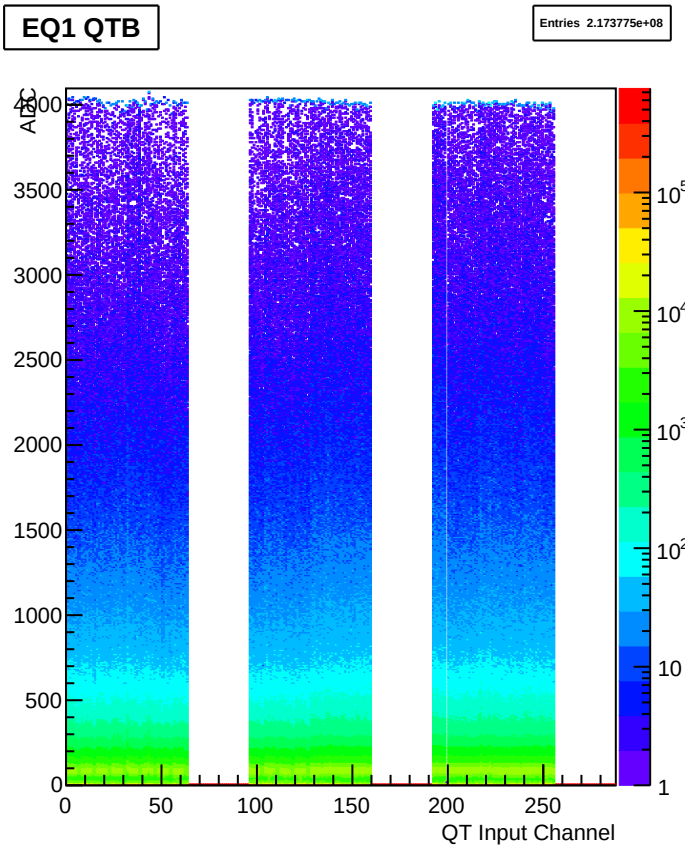

rawzdcWestTac
Entries 754783

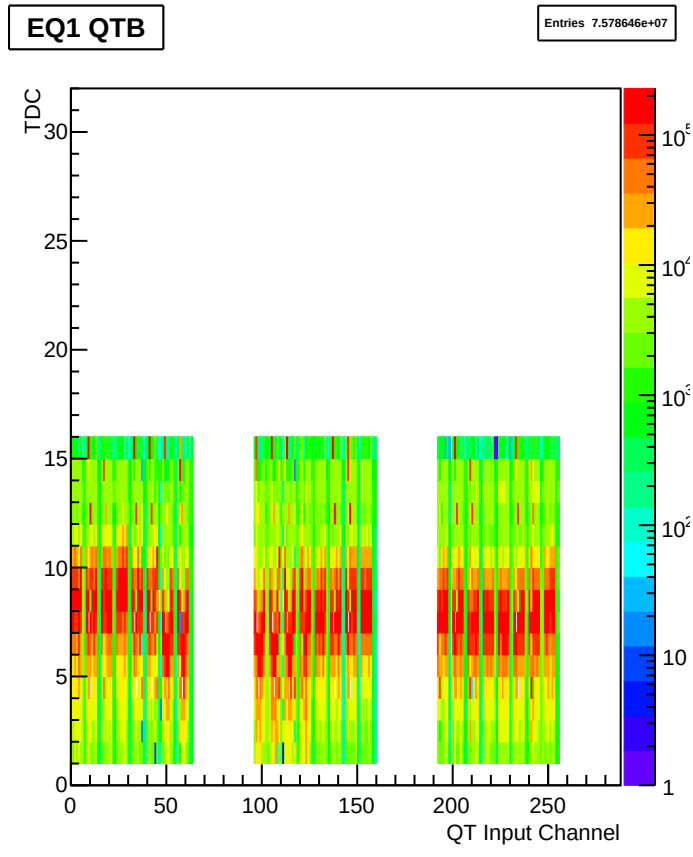

BBQ-VP001 East
Entries 1.207653e+07
ADC
QT Input Channel

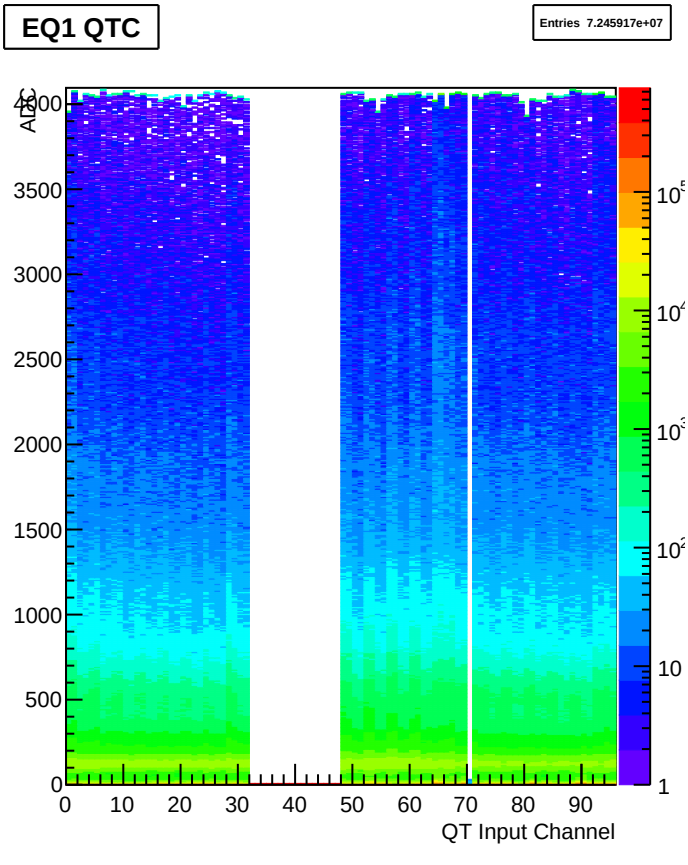

BBQ-VP001 East
Entries 1.207653e+07
TAC
QT Input Channel

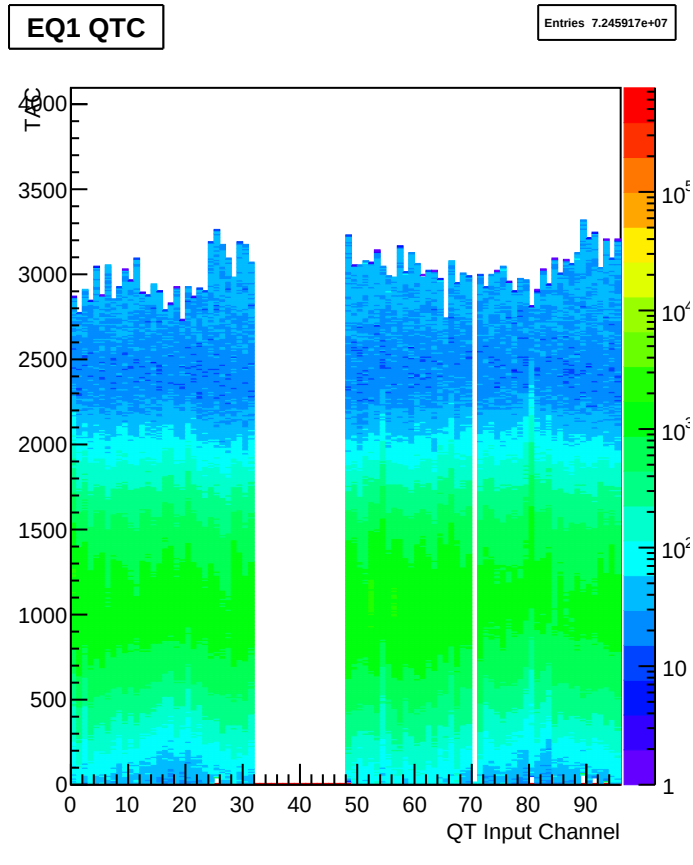

BBQ-VP002 West
Entries 1.207653e+07
ADC
QT Input Channel

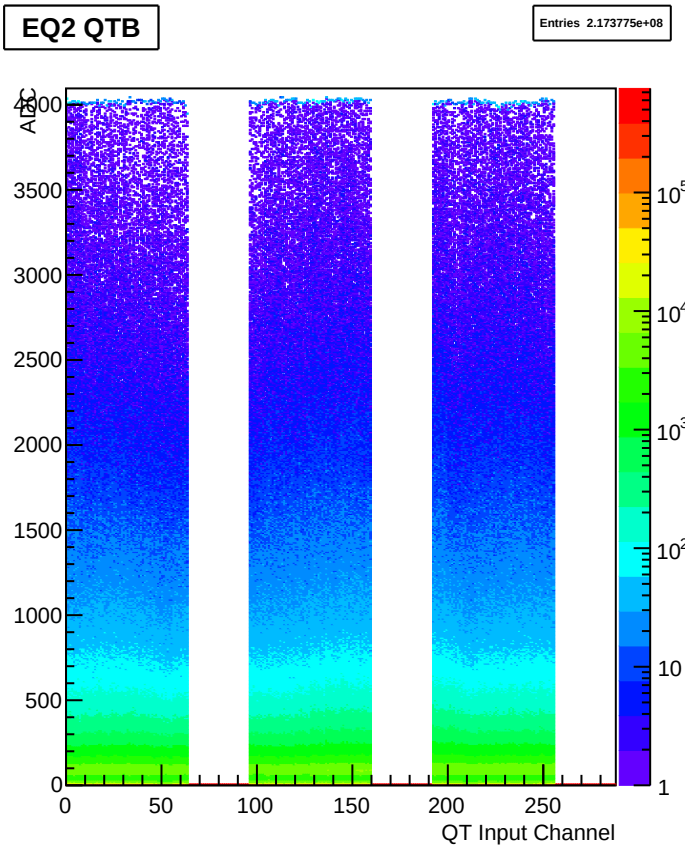

BBQ-VP002 West
Entries 1.207653e+07
TAC
QT Input Channel

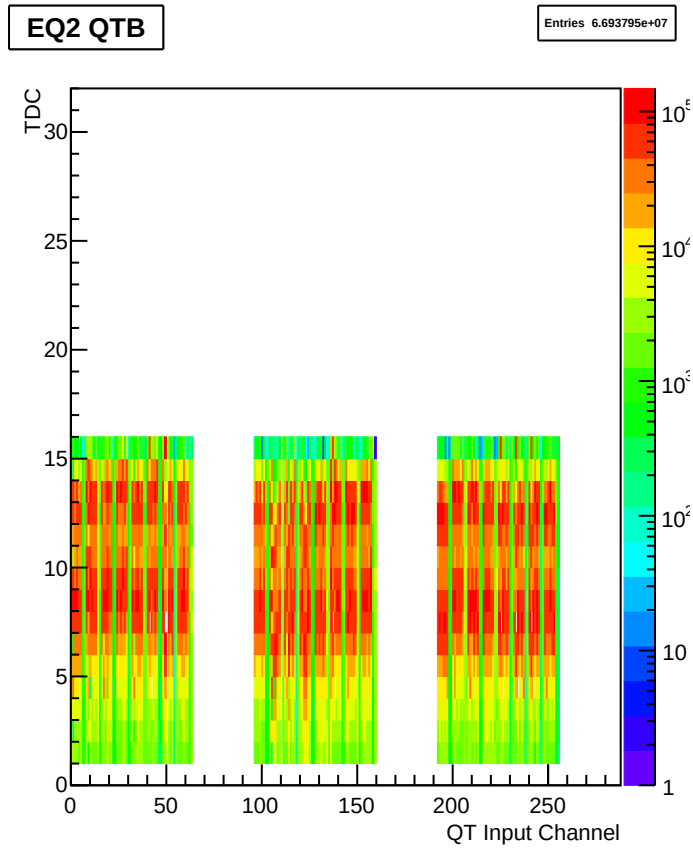

EQ1 QTB
Entries 2.173775e+08
ADC
QT Input Channel

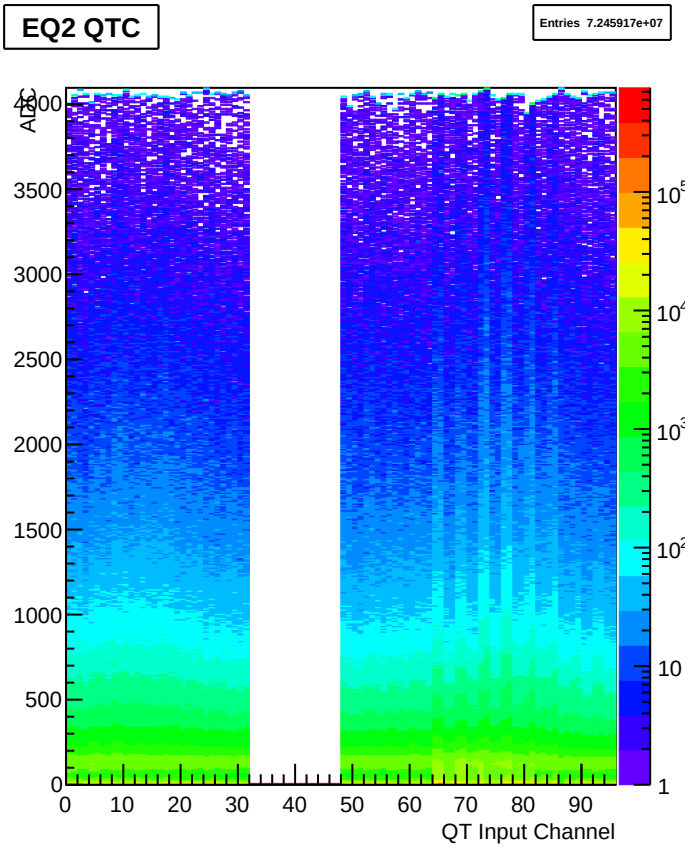

EQ1 QTB
Entries 7.578646e+07
TDC
QT Input Channel

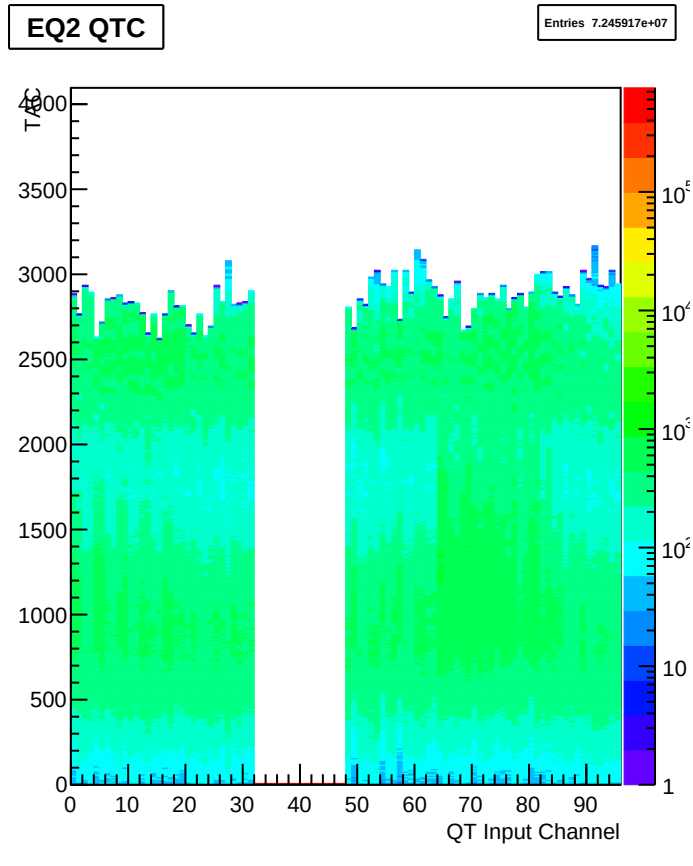

EQ1 QTC
Entries 7.245917e+07
ADC
QT Input Channel

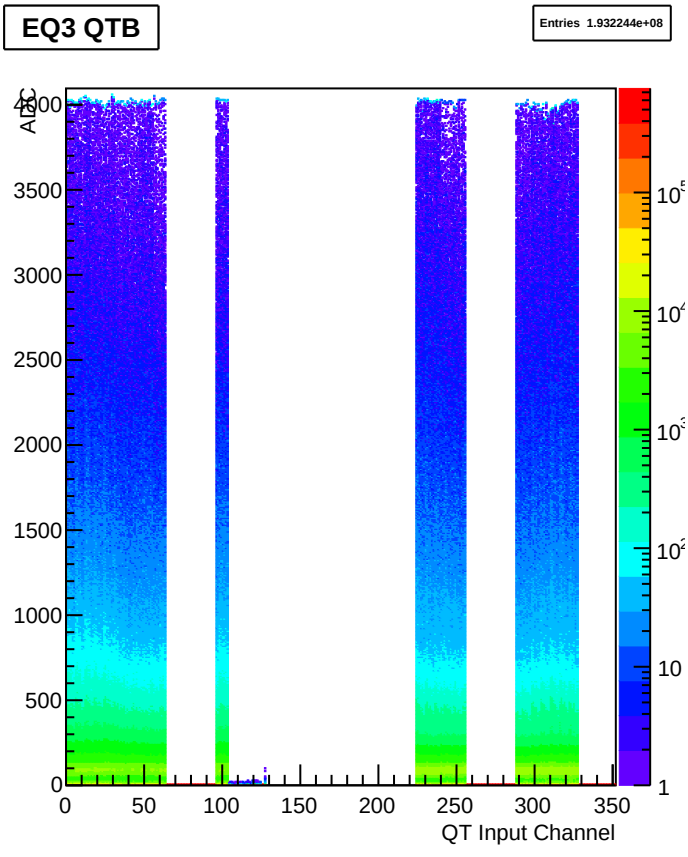

EQ1 QTC
Entries 7.245917e+07
TADC
QT Input Channel

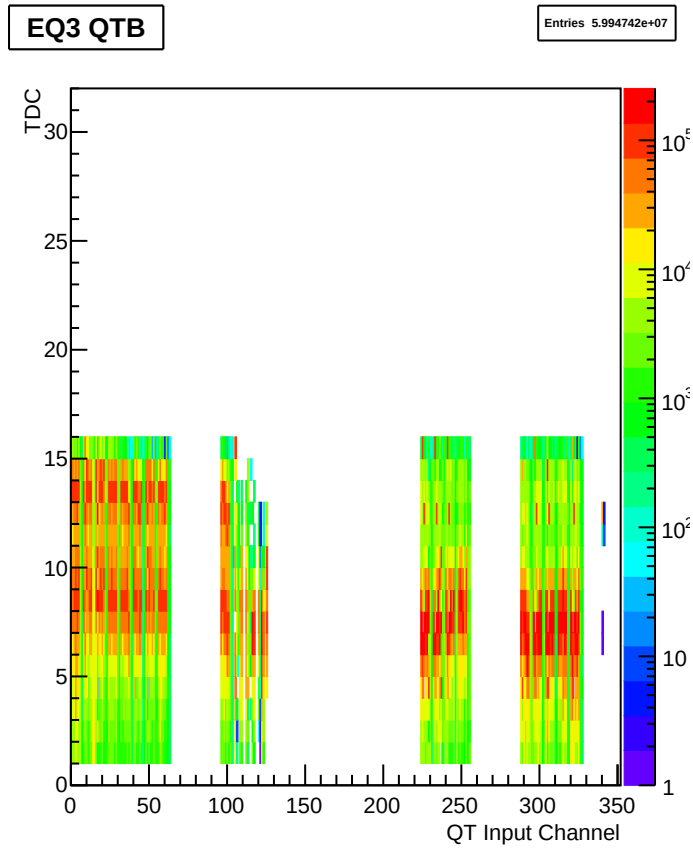

EQ2 QTB
Entries 2.173775e+08
ADC
QT Input Channel

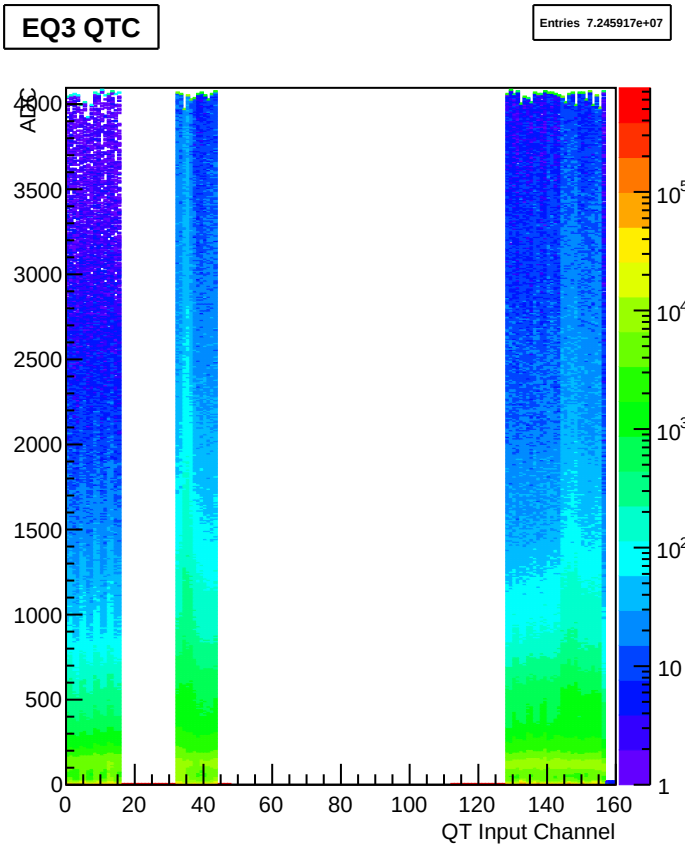

EQ2 QTB
Entries 6.693795e+07
TDC
QT Input Channel

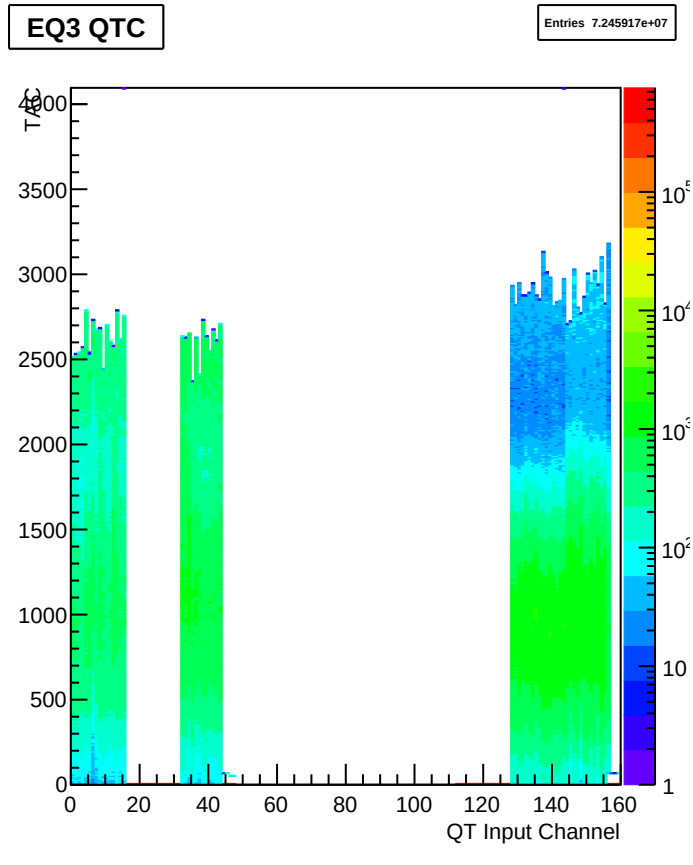

EQ2 QTC
Entries 7.245917e+07
ADC
QT Input Channel

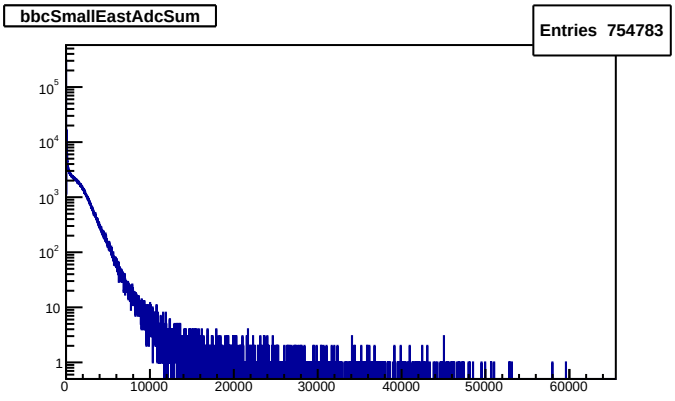

EQ2 QTC
Entries 7.245917e+07
TADC
QT Input Channel

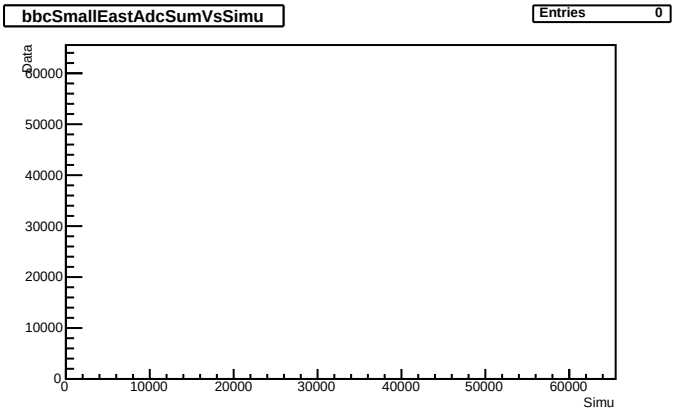

EQ3 QTB
Entries 1.932244e+08
ADC
QT Input Channel

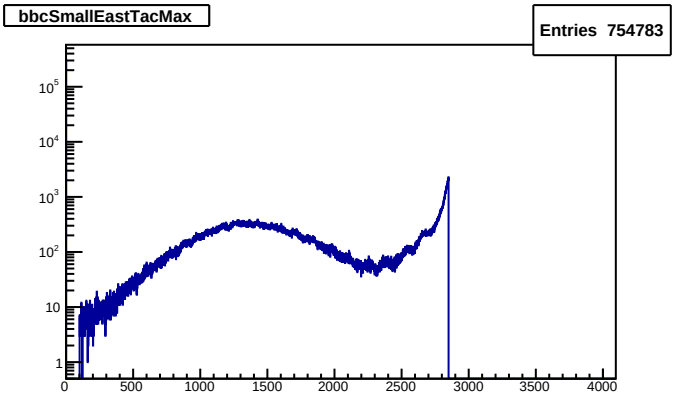

EQ3 QTB
Entries 5.994742e+07
TDC
QT Input Channel

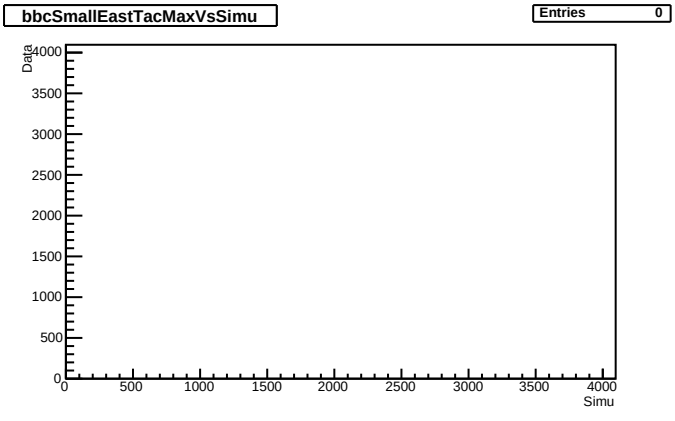

EQ3 QTC
Entries 7.245917e+07
ADC
QT Input Channel


EQ3 QTC
Entries 7.245917e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 754783


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 754783


bbcSmallEastTacMaxVsSimu
Entries 0
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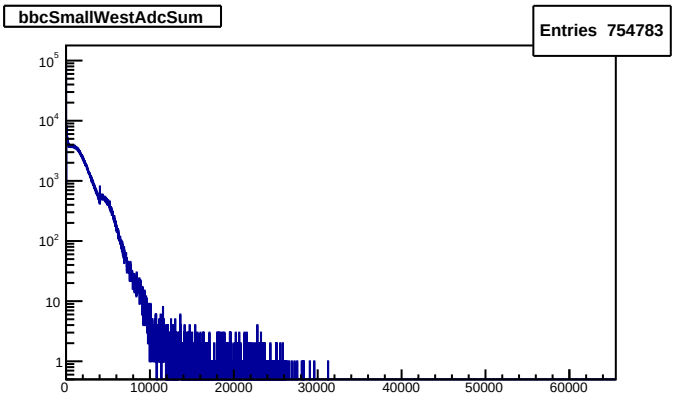
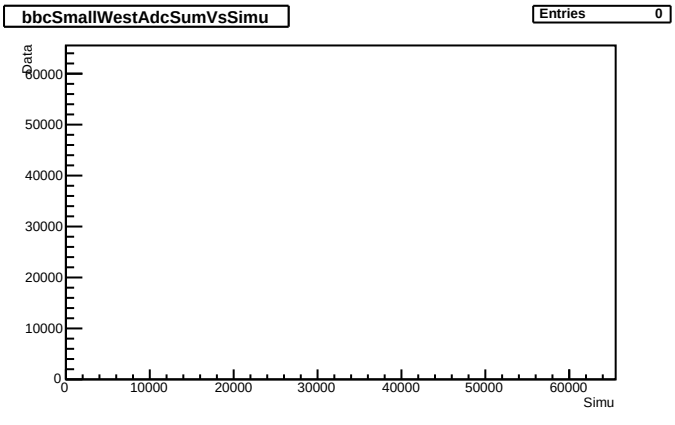
Simu


bbcSmallWestAdcSum
Entries 754783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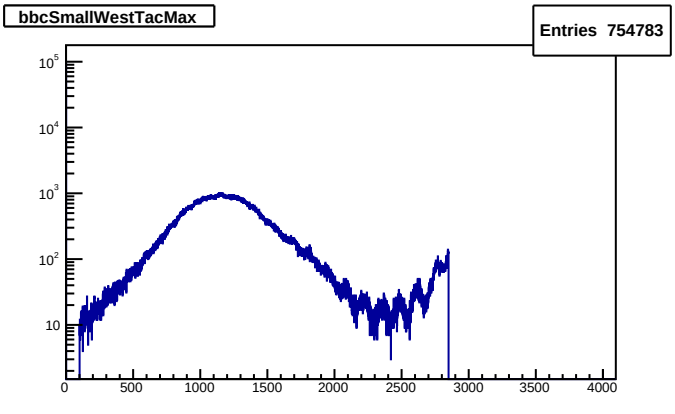
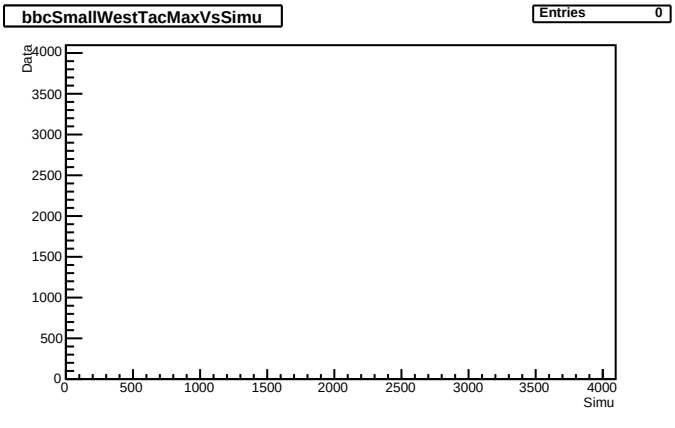
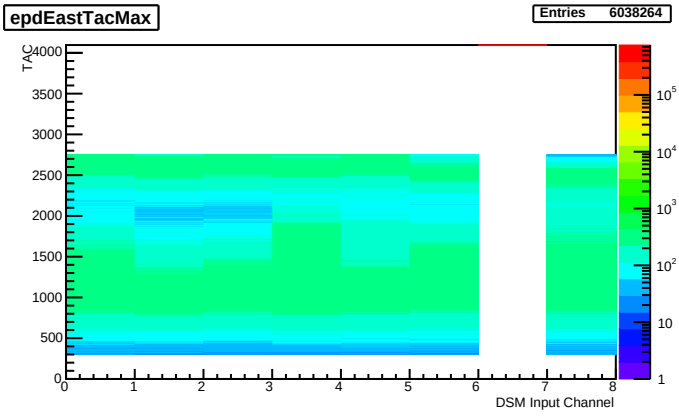
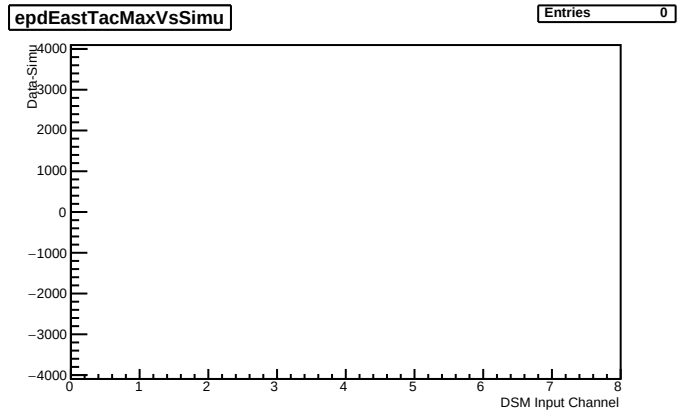
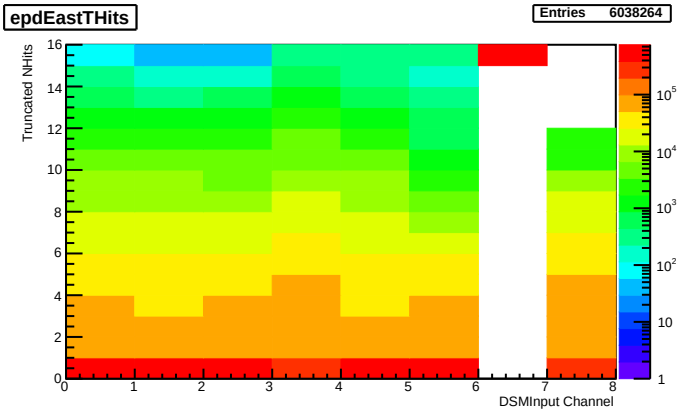
Entries 0
Data
Simu

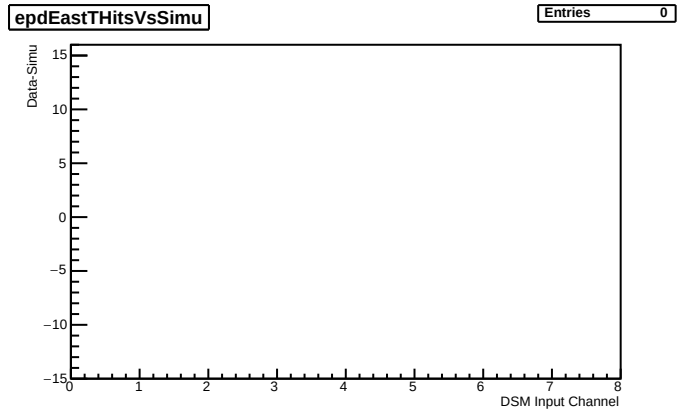

bbcSmallWestTacMax
Entries 754783


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 6038264
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 6038264
Truncated NHits
DSMInput Channel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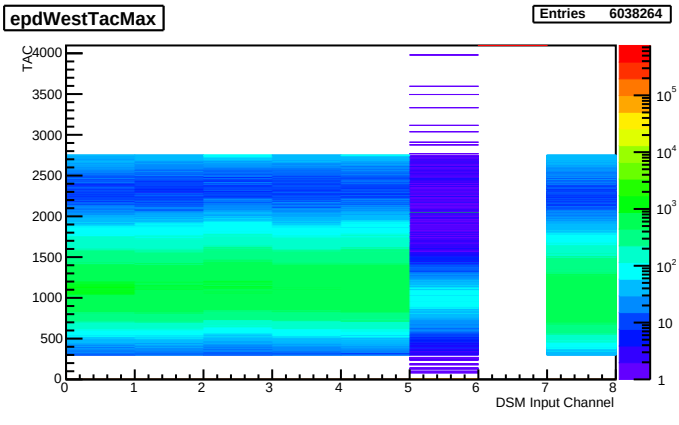
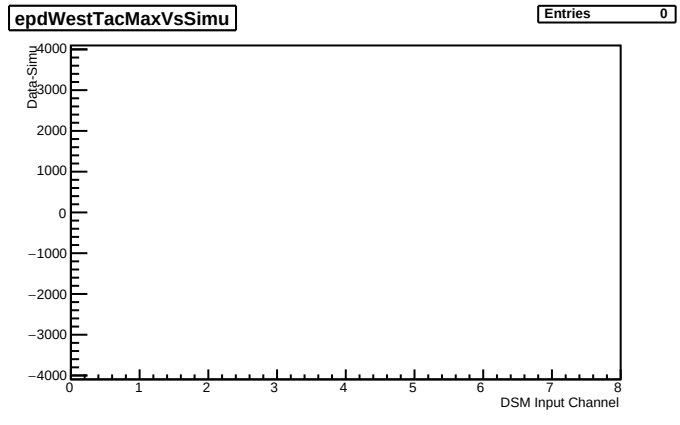
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 6038264
TAC
DSM Input Channel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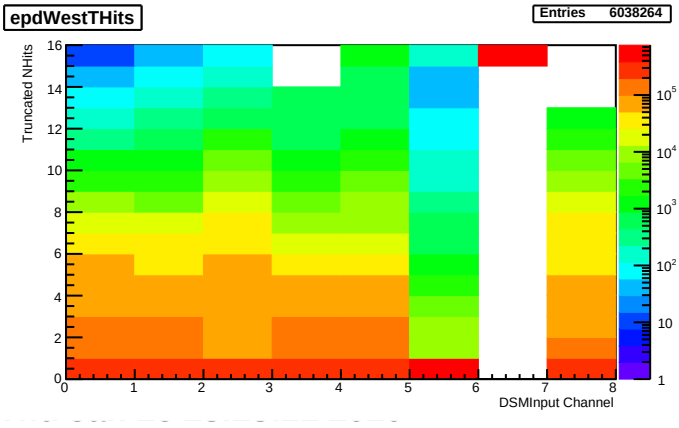
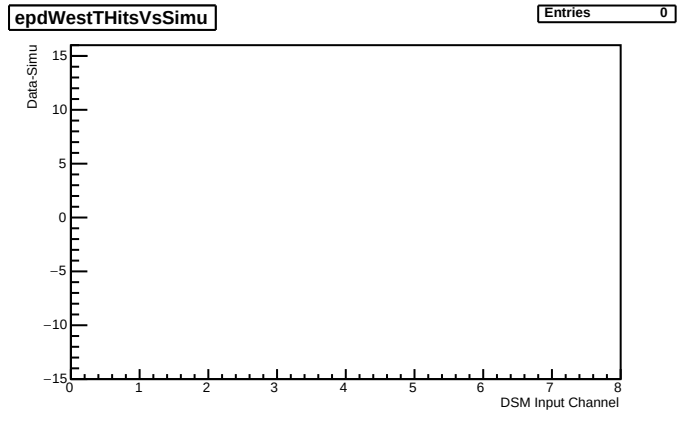
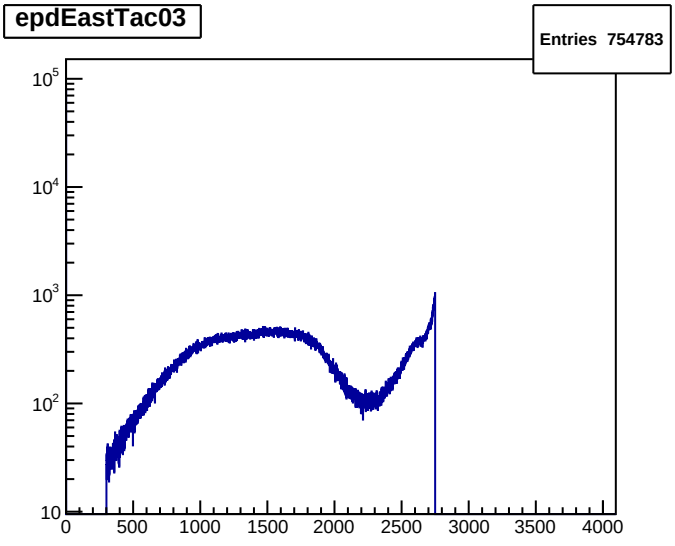
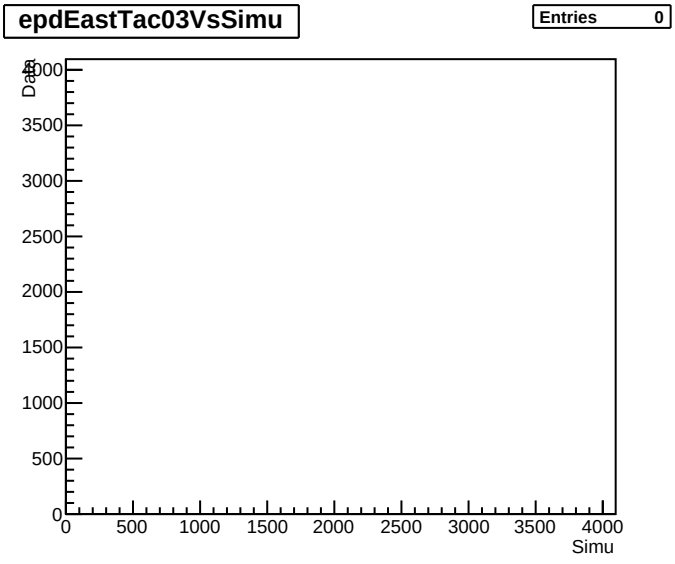
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 6038264
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 754783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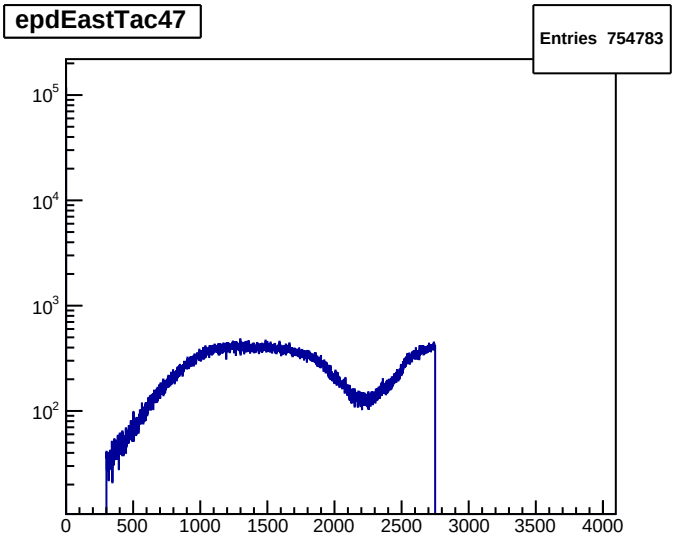
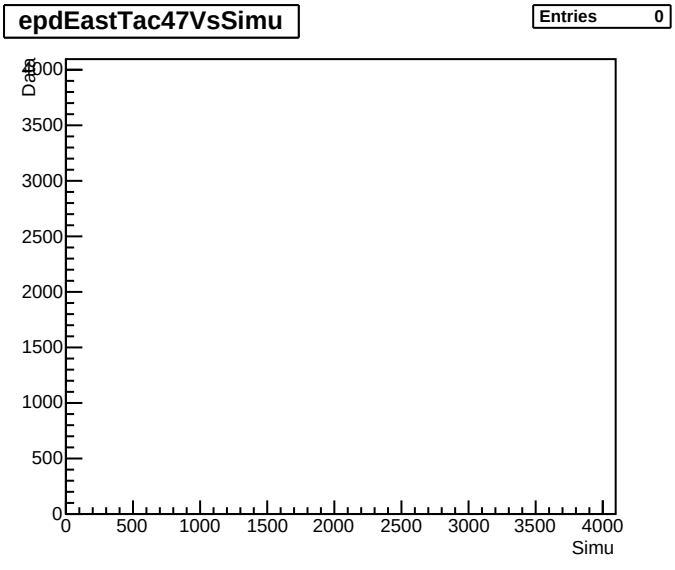
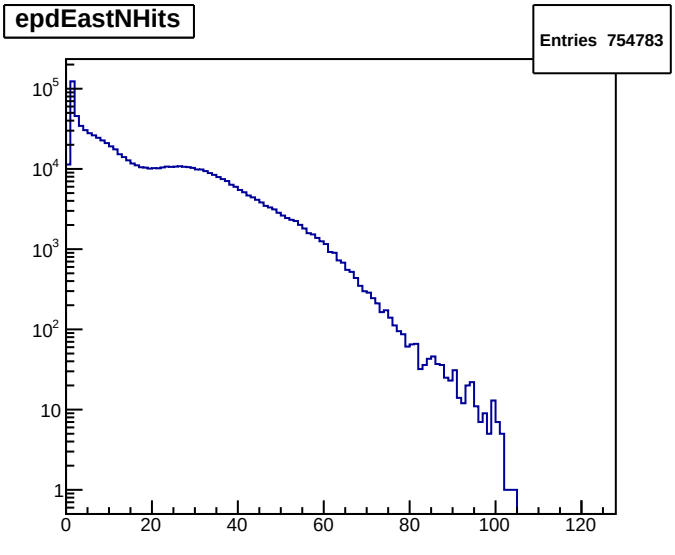
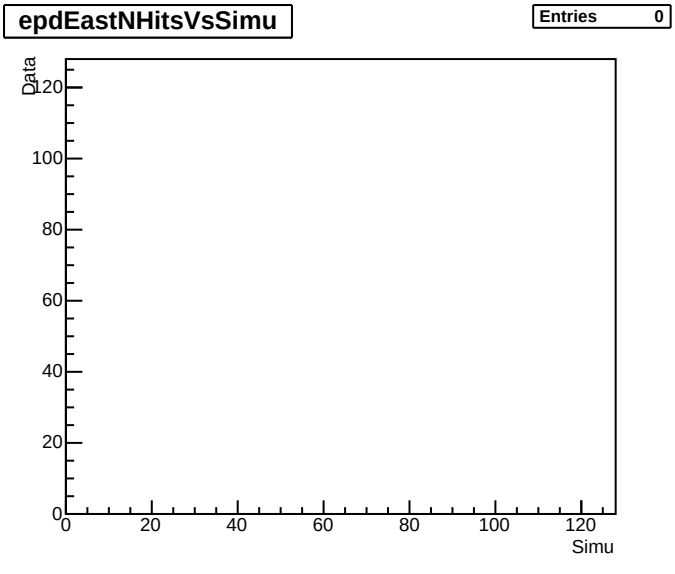
Entries 0
Data
Simu


epdEastTac47
Entries 754783


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 754783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Entries 0
Data
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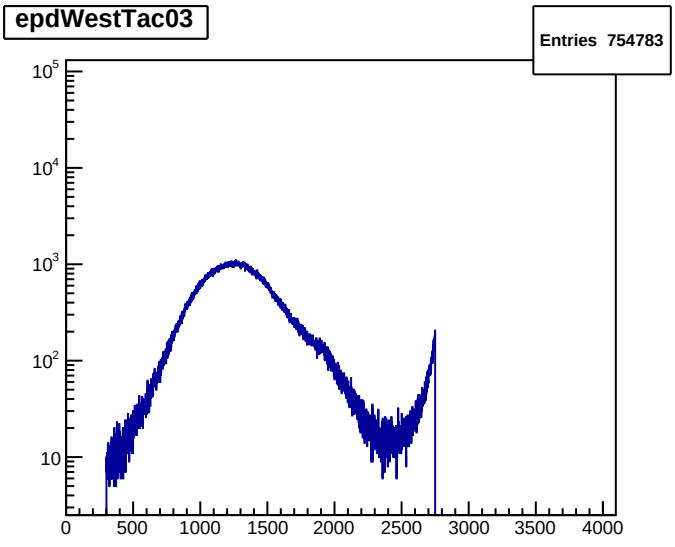
epdWestTac03
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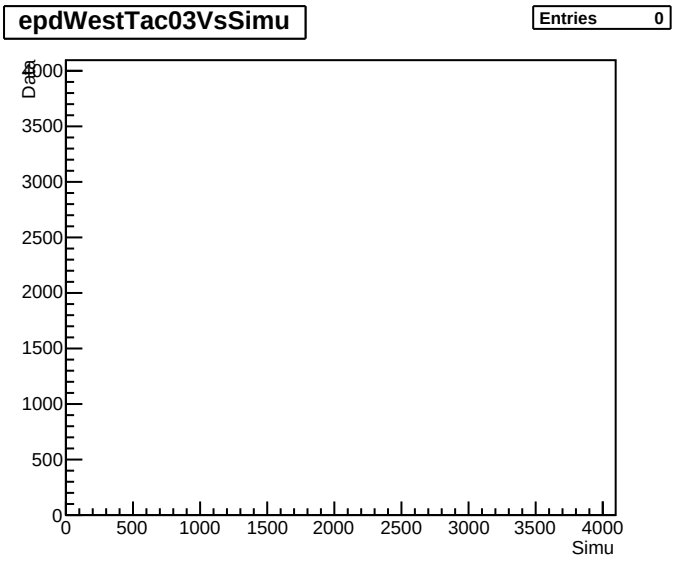
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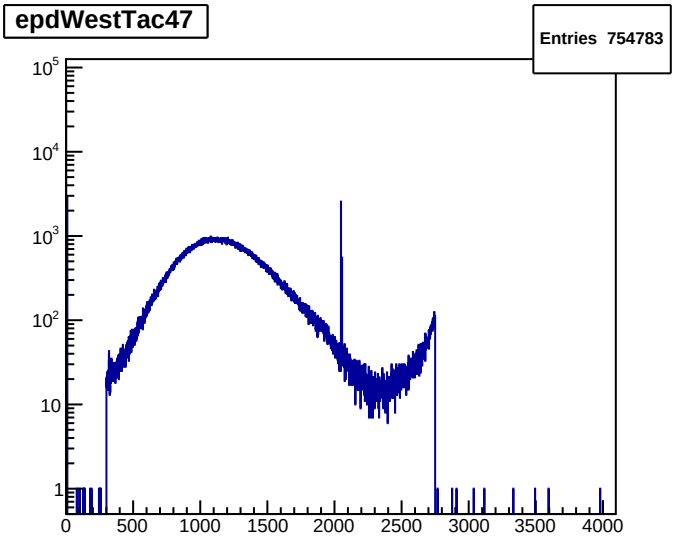
Entries 0
Data
Simu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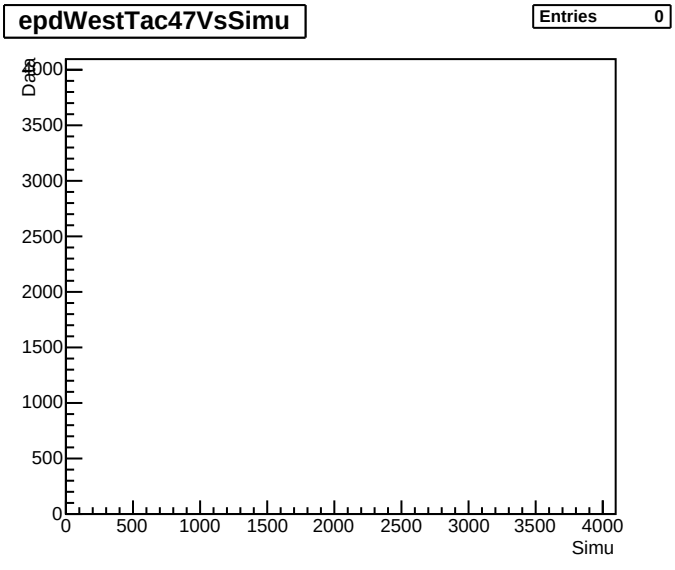
Entries 754783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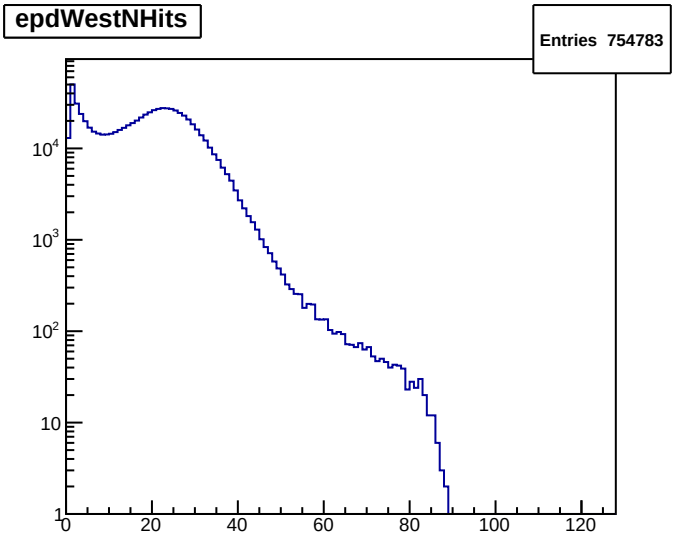
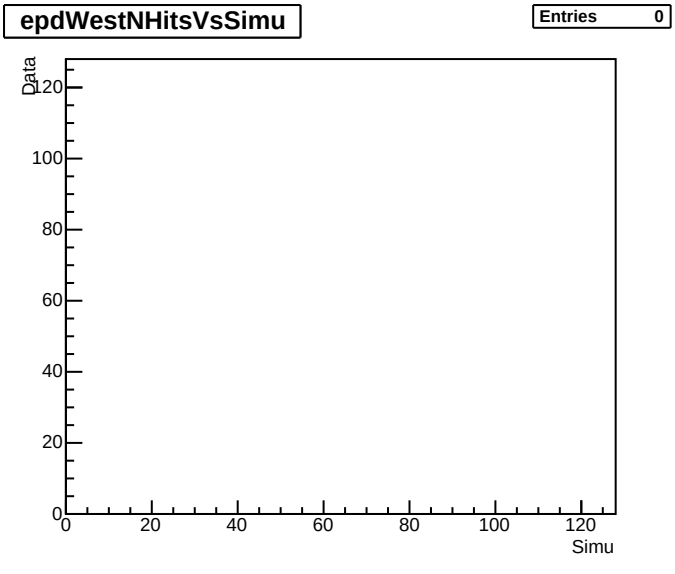
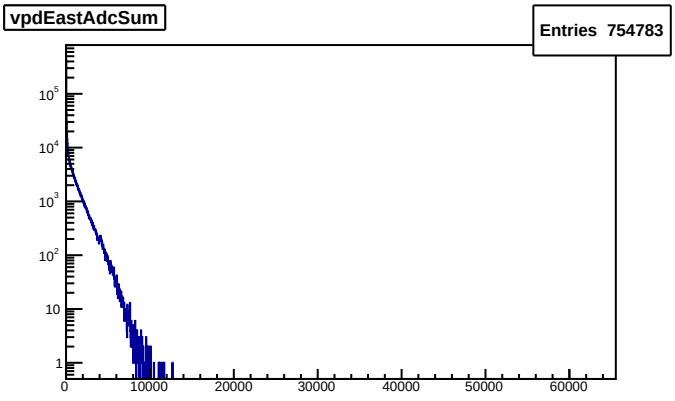
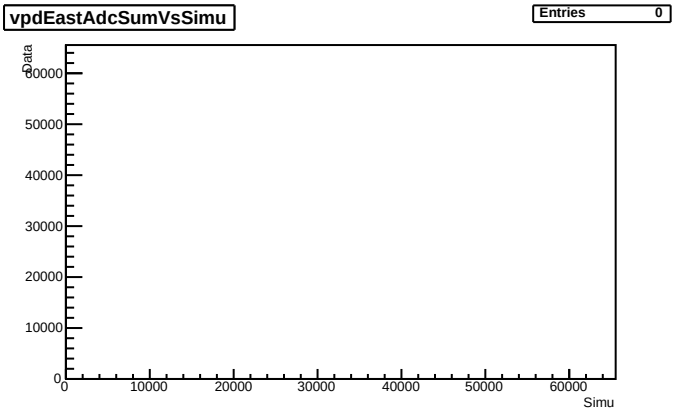
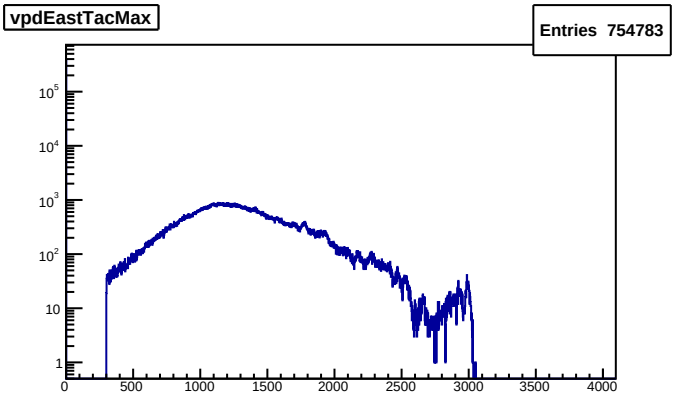
Entries 0
Data
Simu

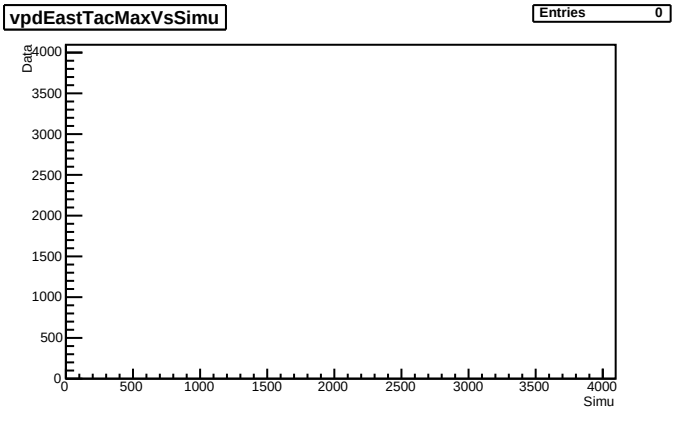

epdWestNHits
Entries 754783


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 754783


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 754783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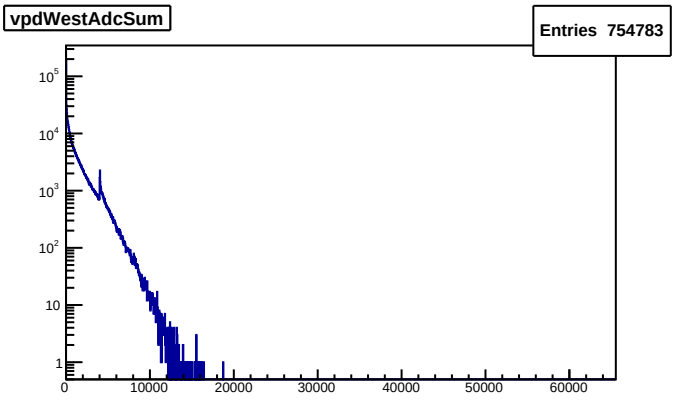
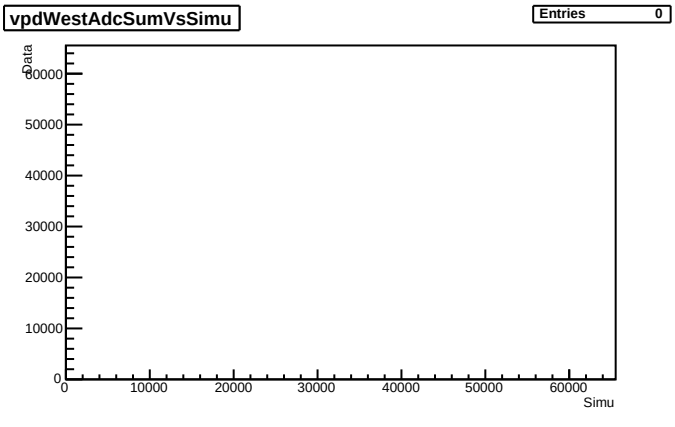
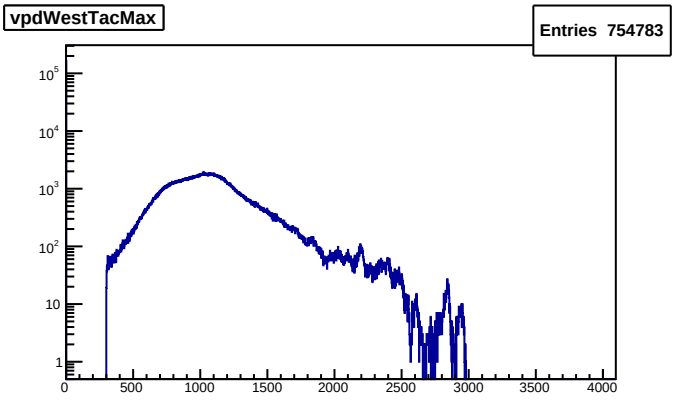
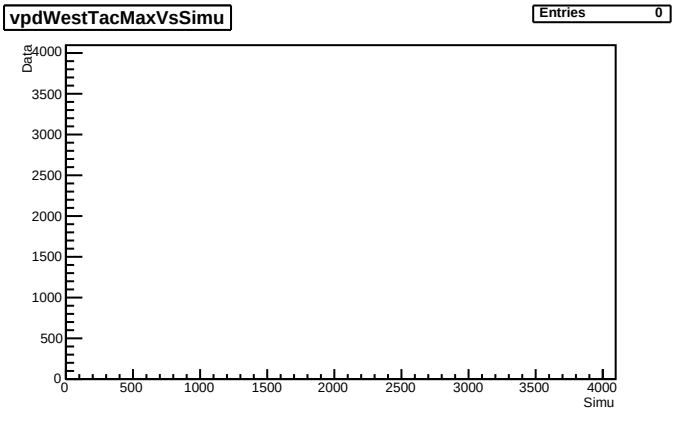
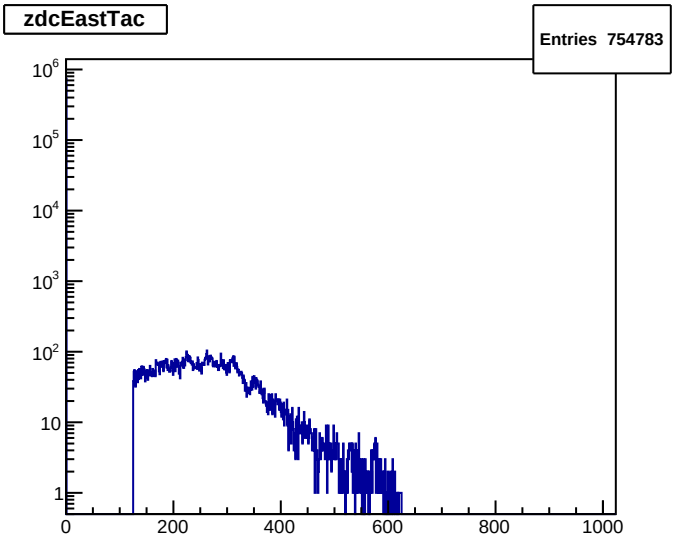
Entries 0
Data
Simu

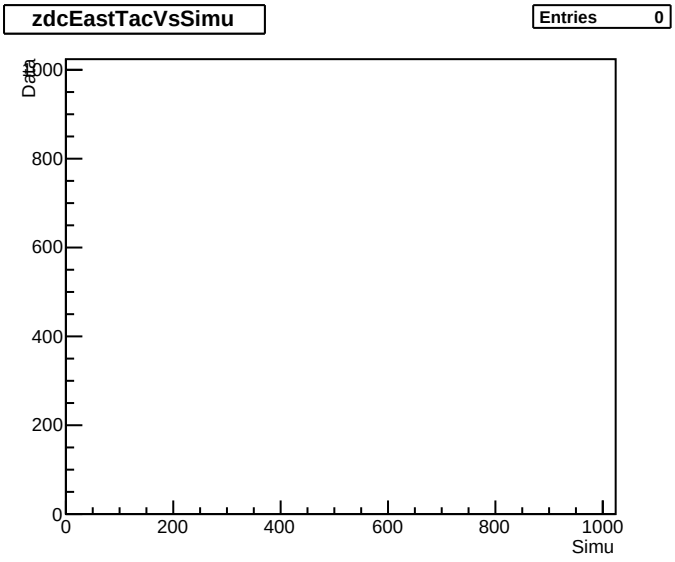

vpdWestAdcSum
Entries 754783

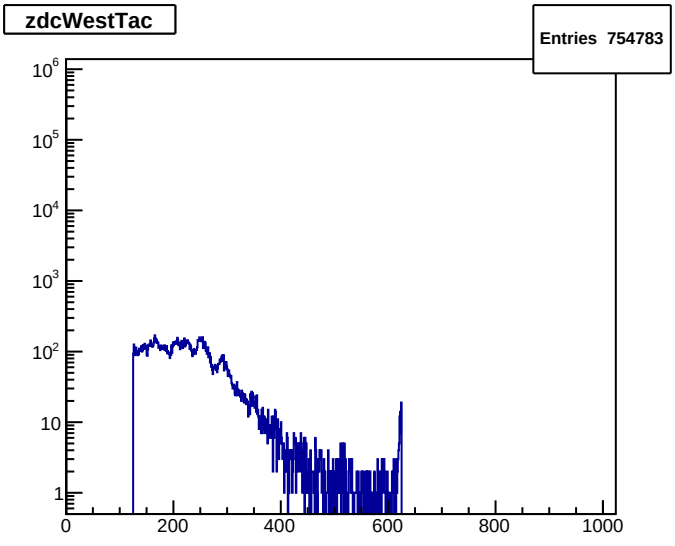

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

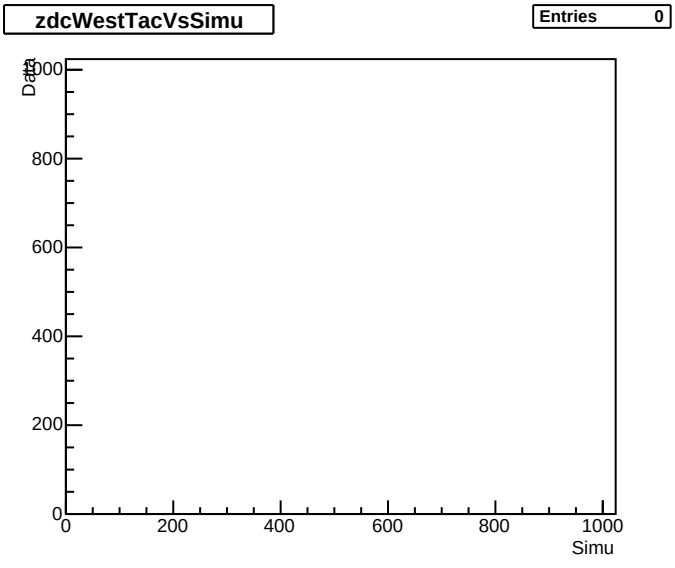

vpdWestTacMax
Entries 754783

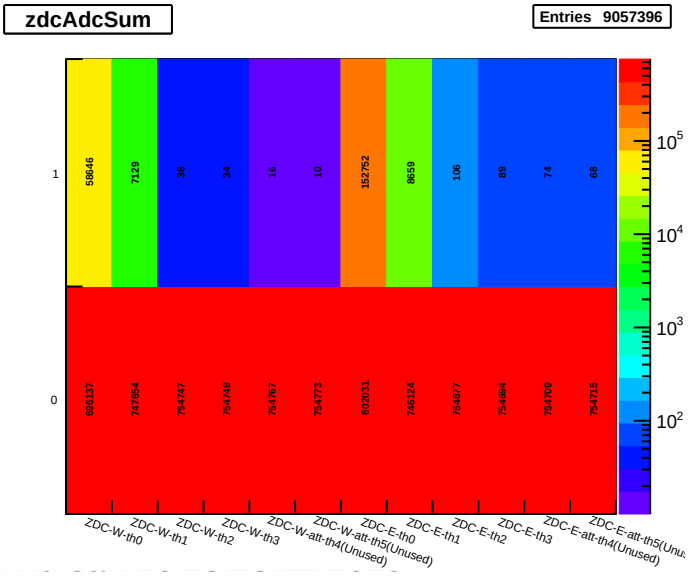

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

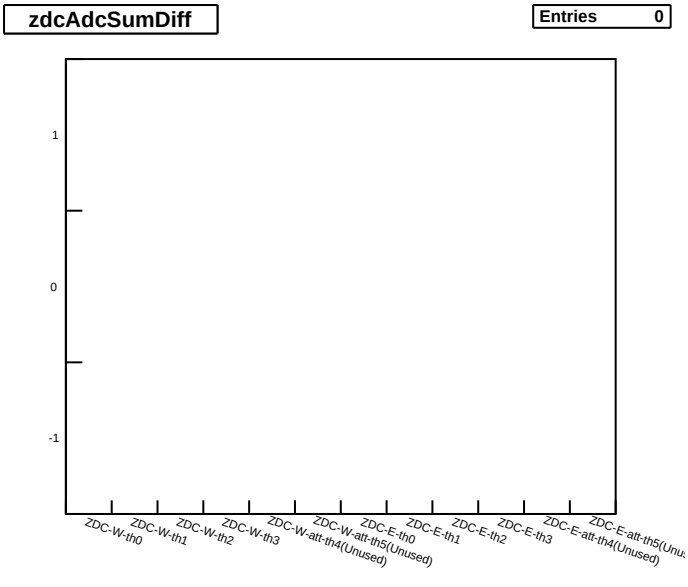

zdcEastTac
Entries 754783


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries 754783


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 9057396
58646
7129
36
34
16
10
152752
8659
106
89
74
68
696137
747654
754747
754749
754767
754773
602031
746124
754677
754694
754709
754715
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)
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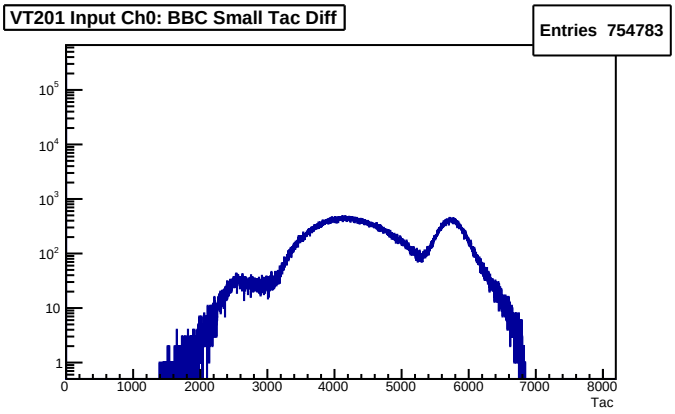
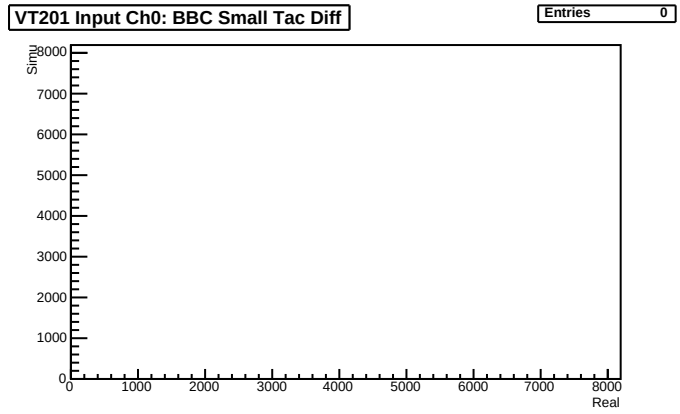
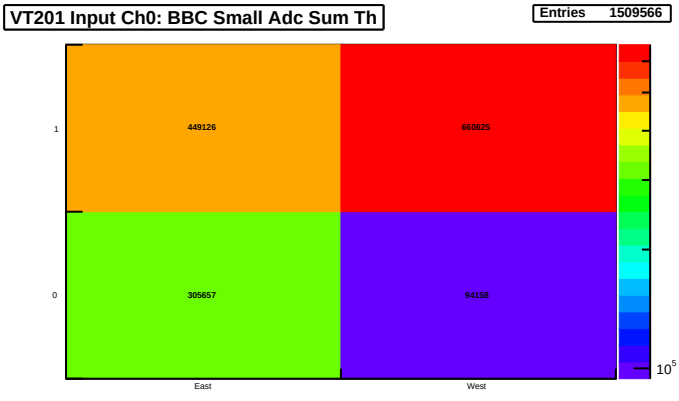
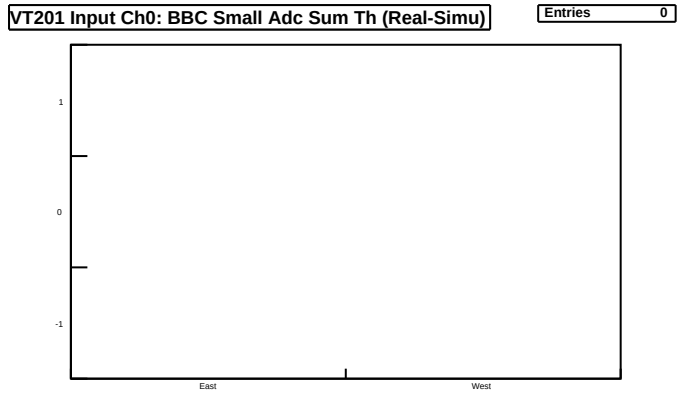
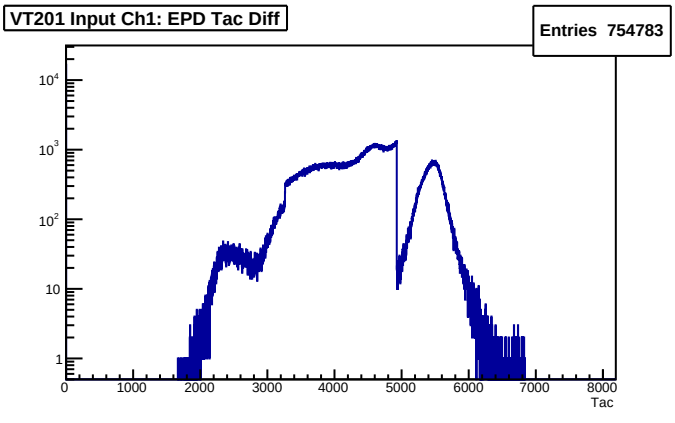
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

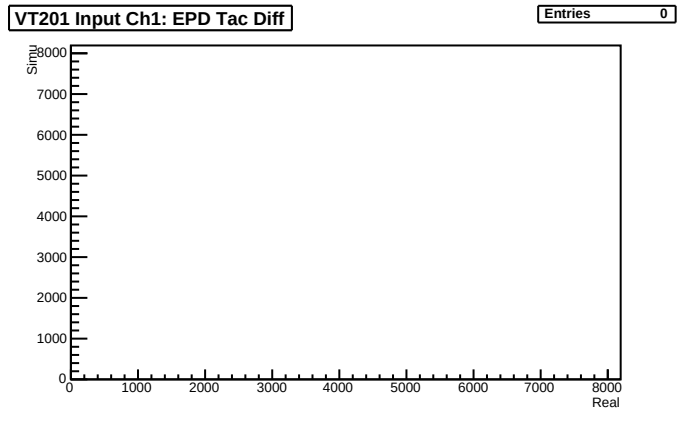

VT201 Input Ch0: BBC Small Tac Diff
Entries 754783
Tac

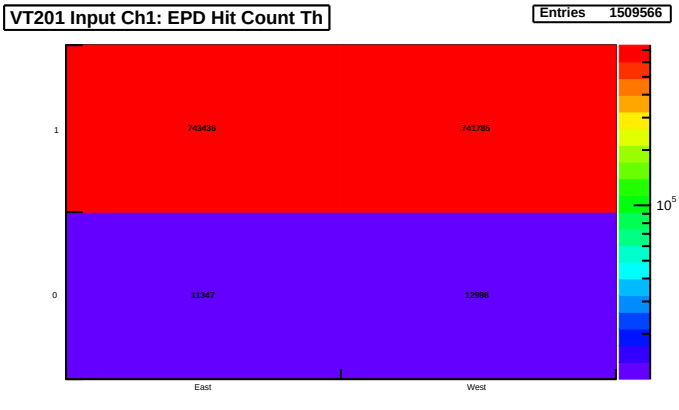

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

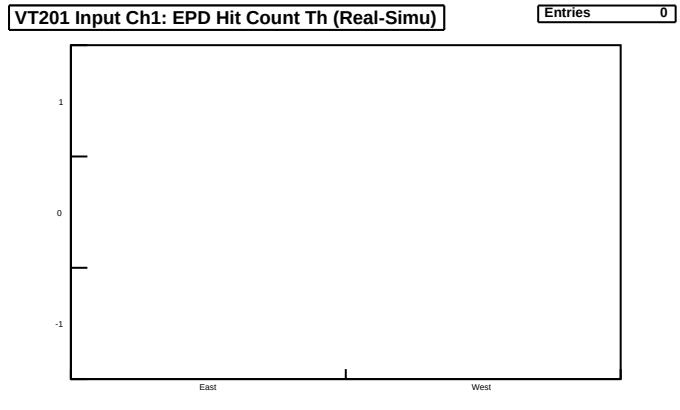

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1509566
449126
660625
305657
94158
East
West

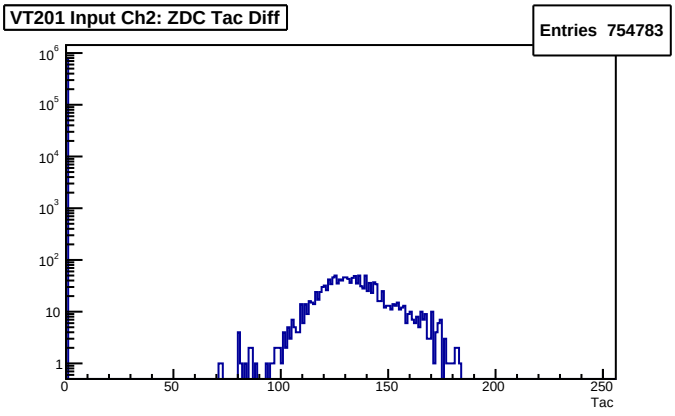

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

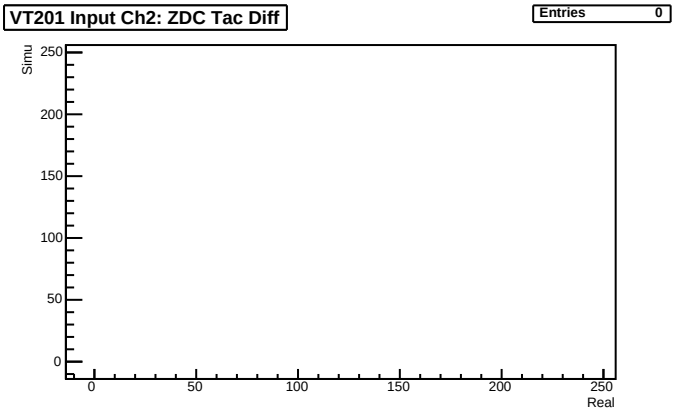

VT201 Input Ch1: EPD Tac Diff
Entries 754783
Tac

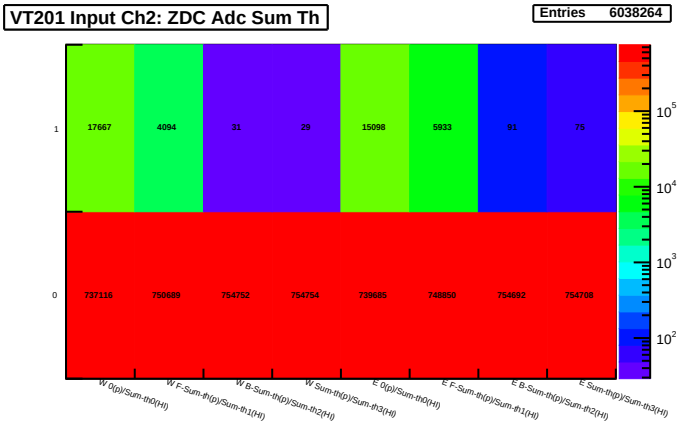

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

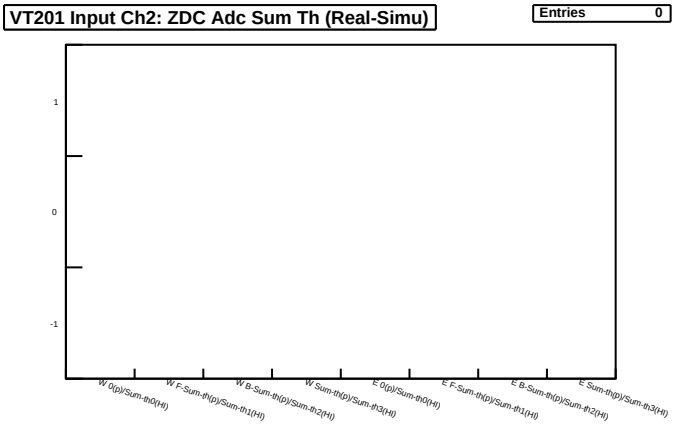

VT201 Input Ch1: EPD Hit Count Th
Entries 1509566
743436
741785
11347
12998
East
West

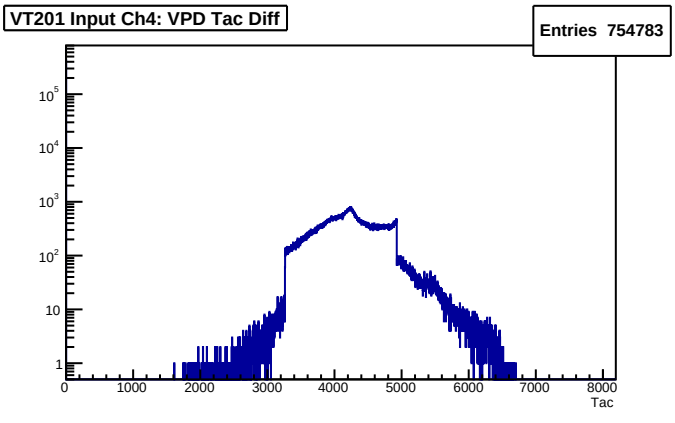

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

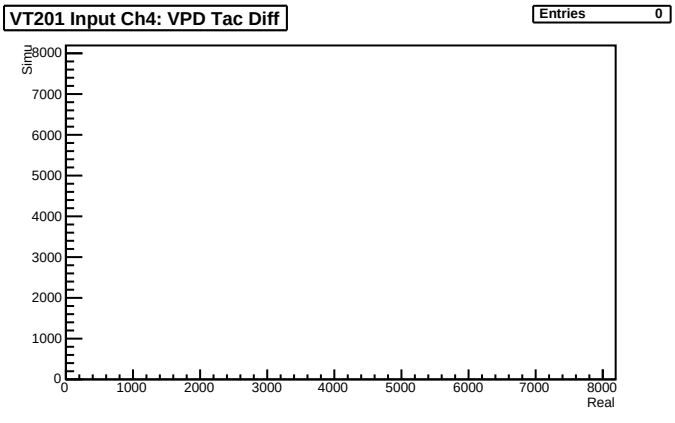

VT201 Input Ch2: ZDC Tac Diff
Entries 754783
Tac

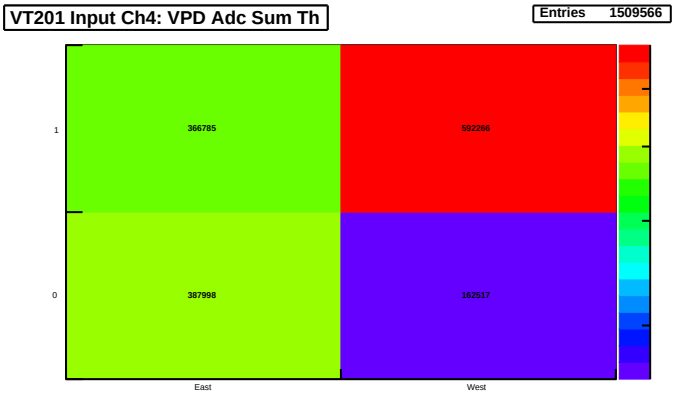

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

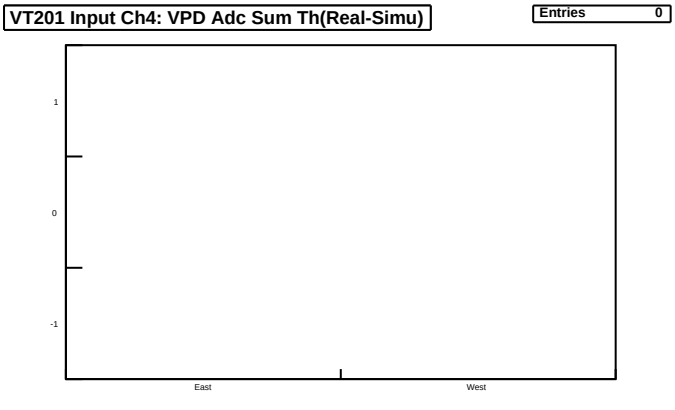

VT201 Input Ch2: ZDC Adc Sum Th
Entries 6038264
17667
4094
31
29
15098
5933
91
75
737116
750689
754752
754754
739685
748850
754692
754708
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

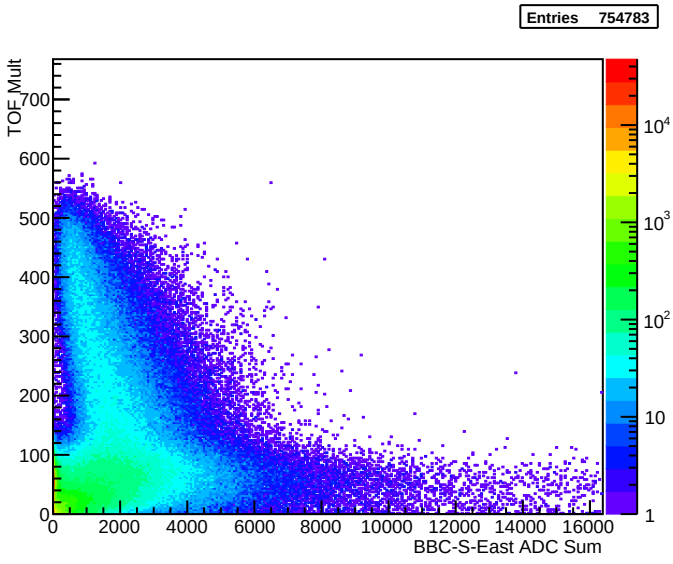

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

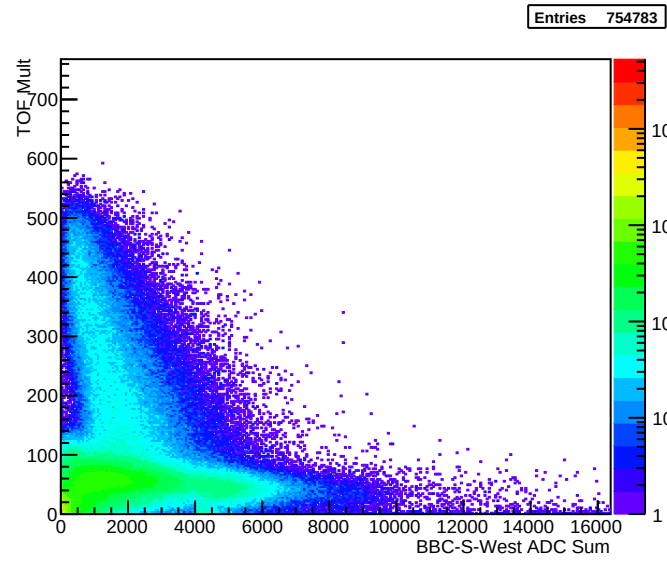

VT201 Input Ch4: VPD Tac Diff
Entries 754783
Tac

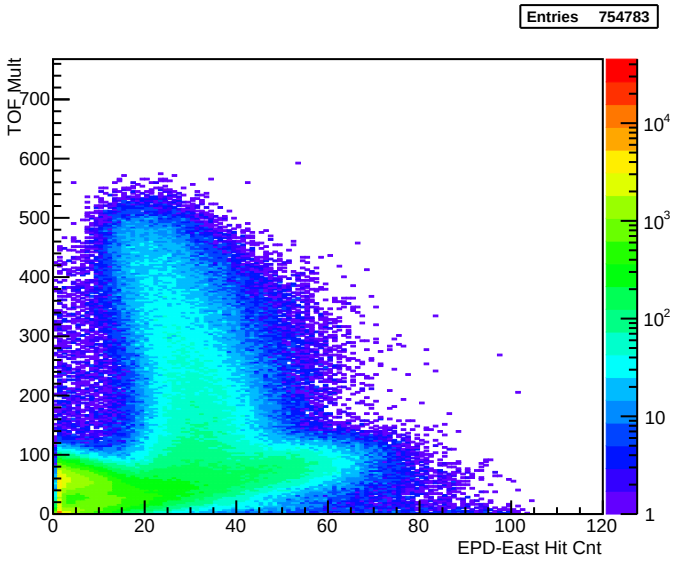

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

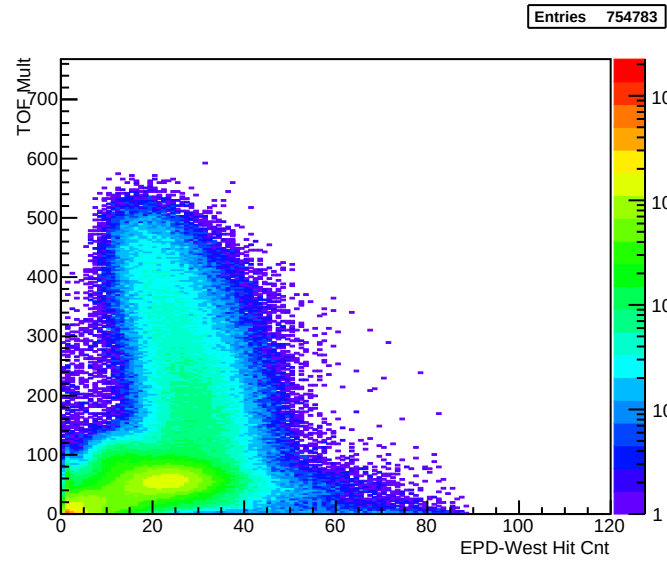

VT201 Input Ch4: VPD Adc Sum Th
Entries 1509566
366785
592266
387998
162517
East
West

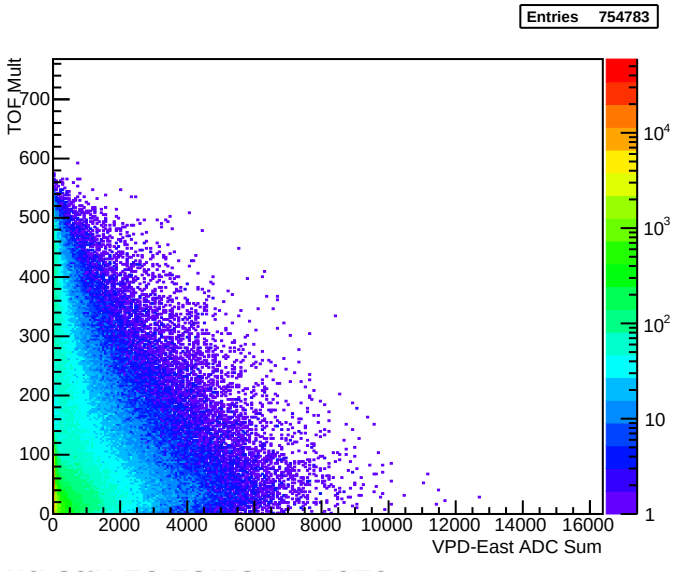

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

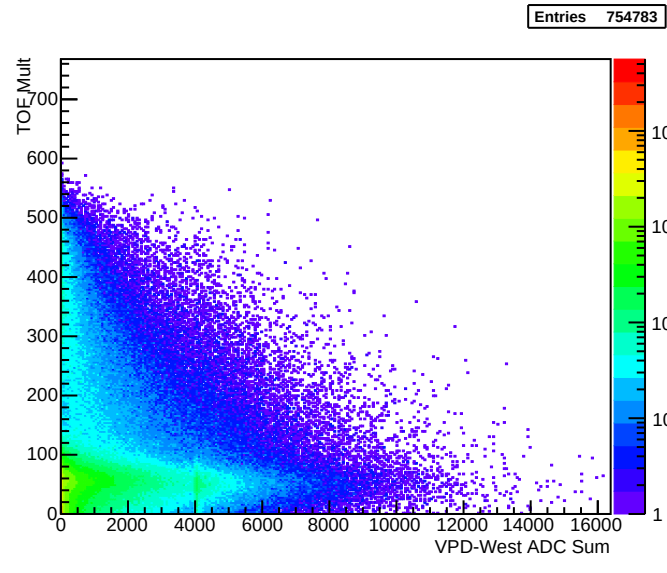

Entries 754783
TOF_Mult
BBC-S-East ADC Sum

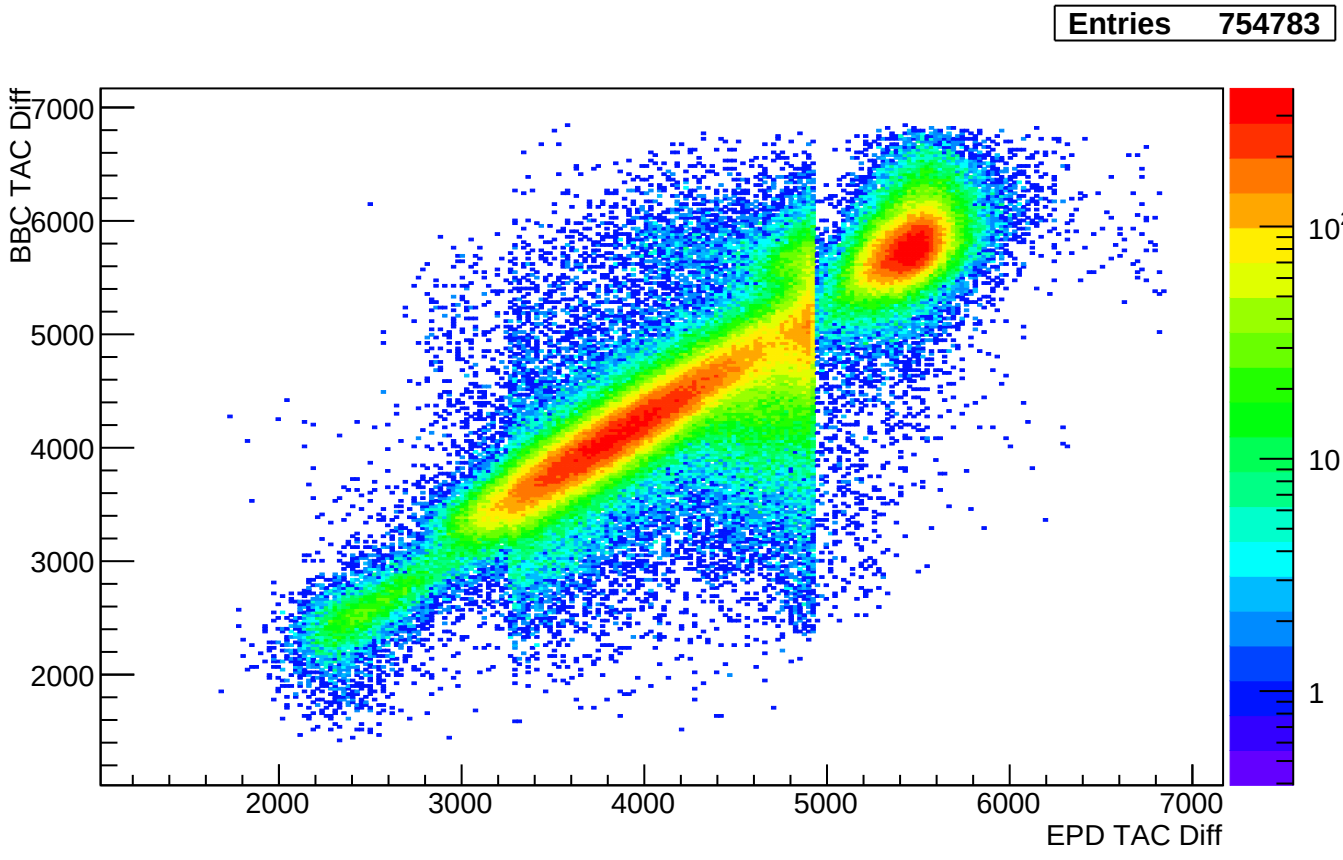

Entries 754783
TOF_Mult
BBC-S-West ADC Sum

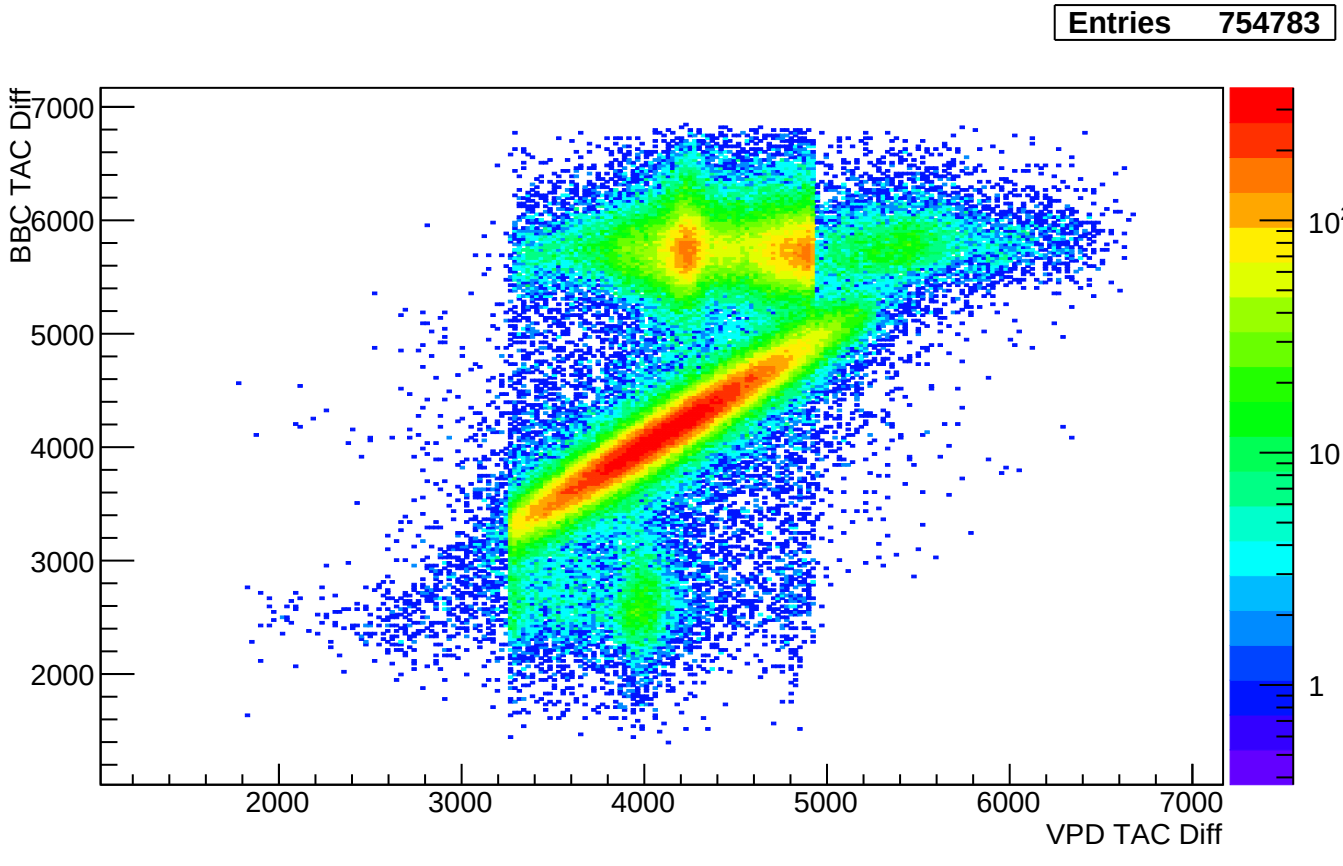

Entries 754783
TOF_Mult
EPD-East Hit Cnt

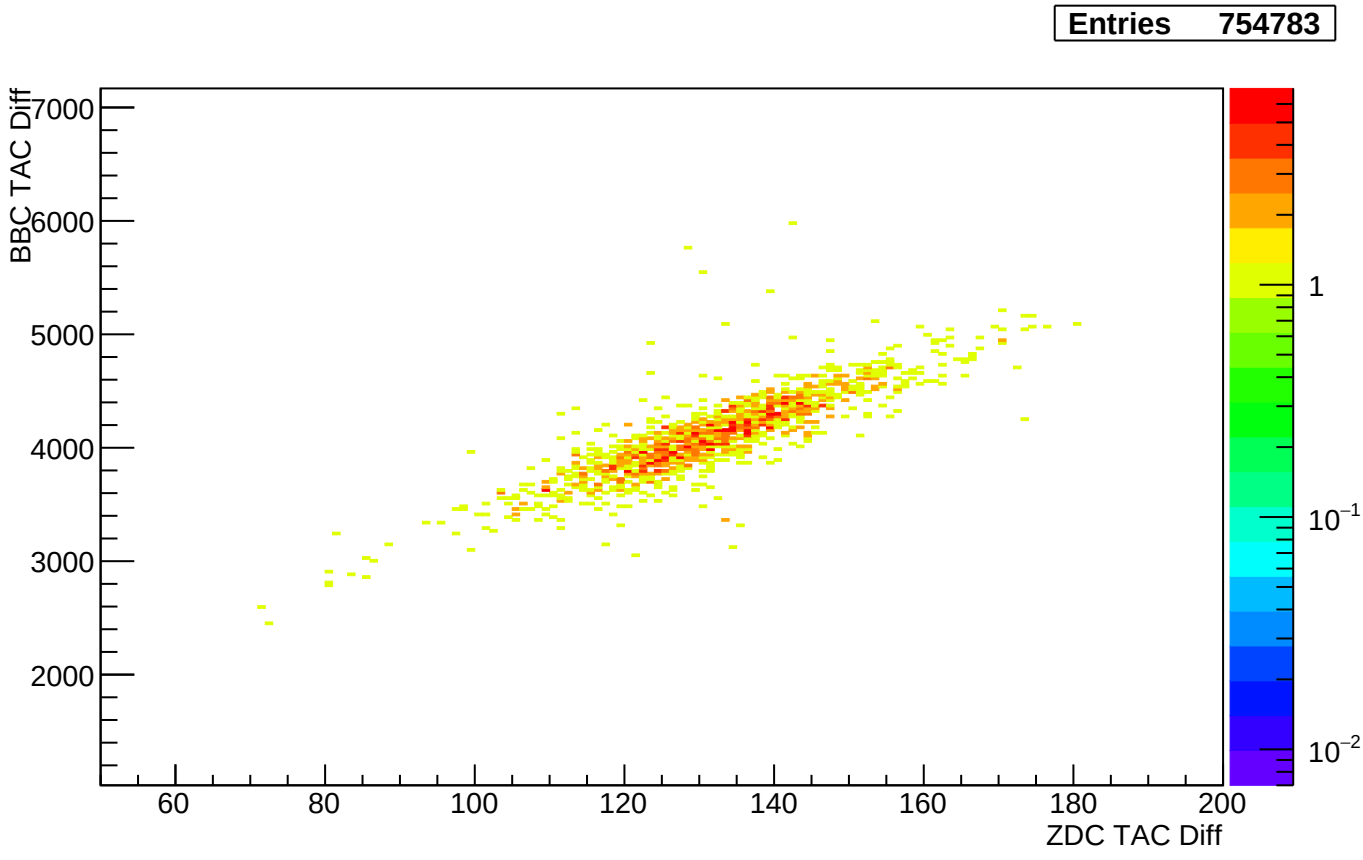

Entries 754783
TOF_Mult
EPD-West Hit Cnt

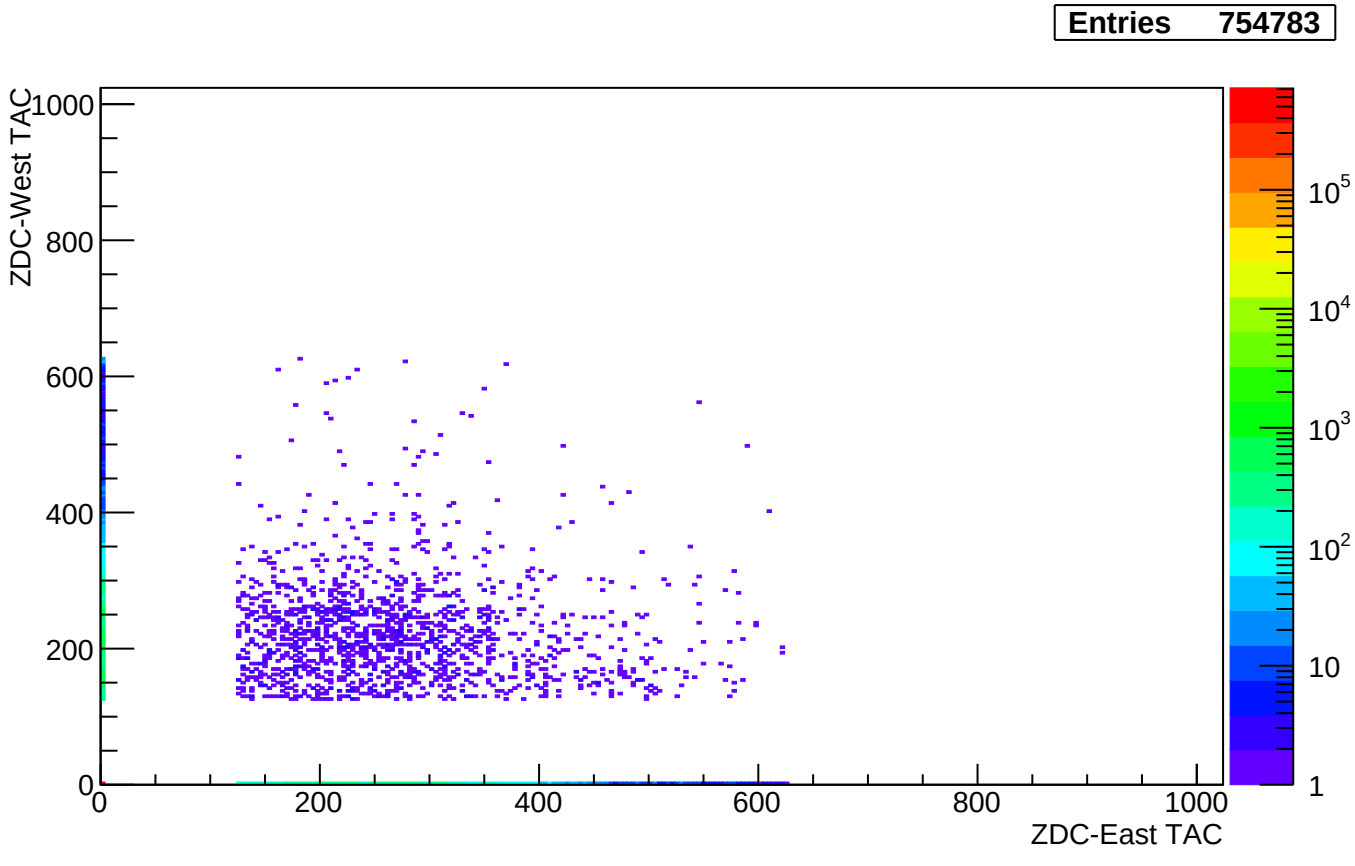

Entries 754783
TOF_Mult
VPD-East ADC Sum

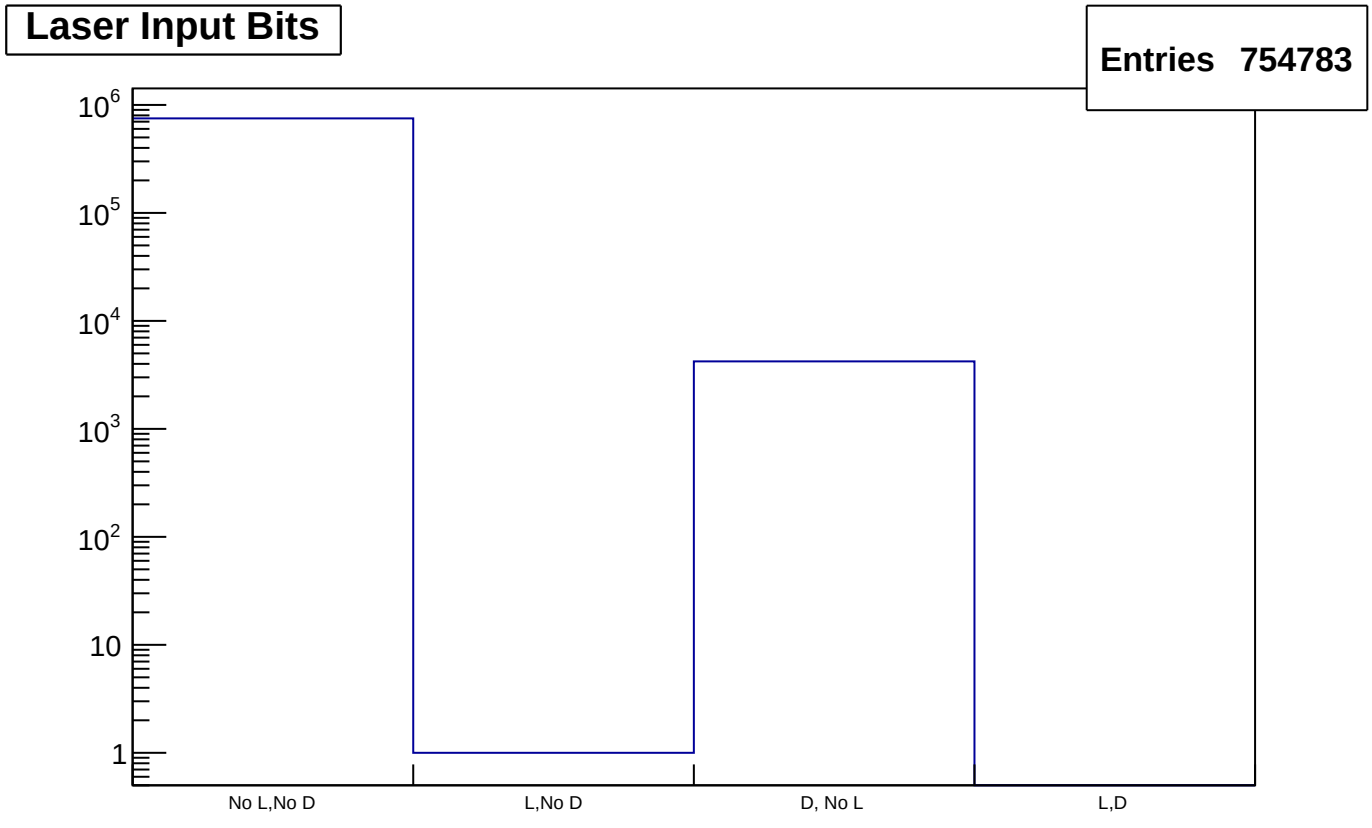

Entries 754783
TOF_Mult
VPD-West ADC Sum

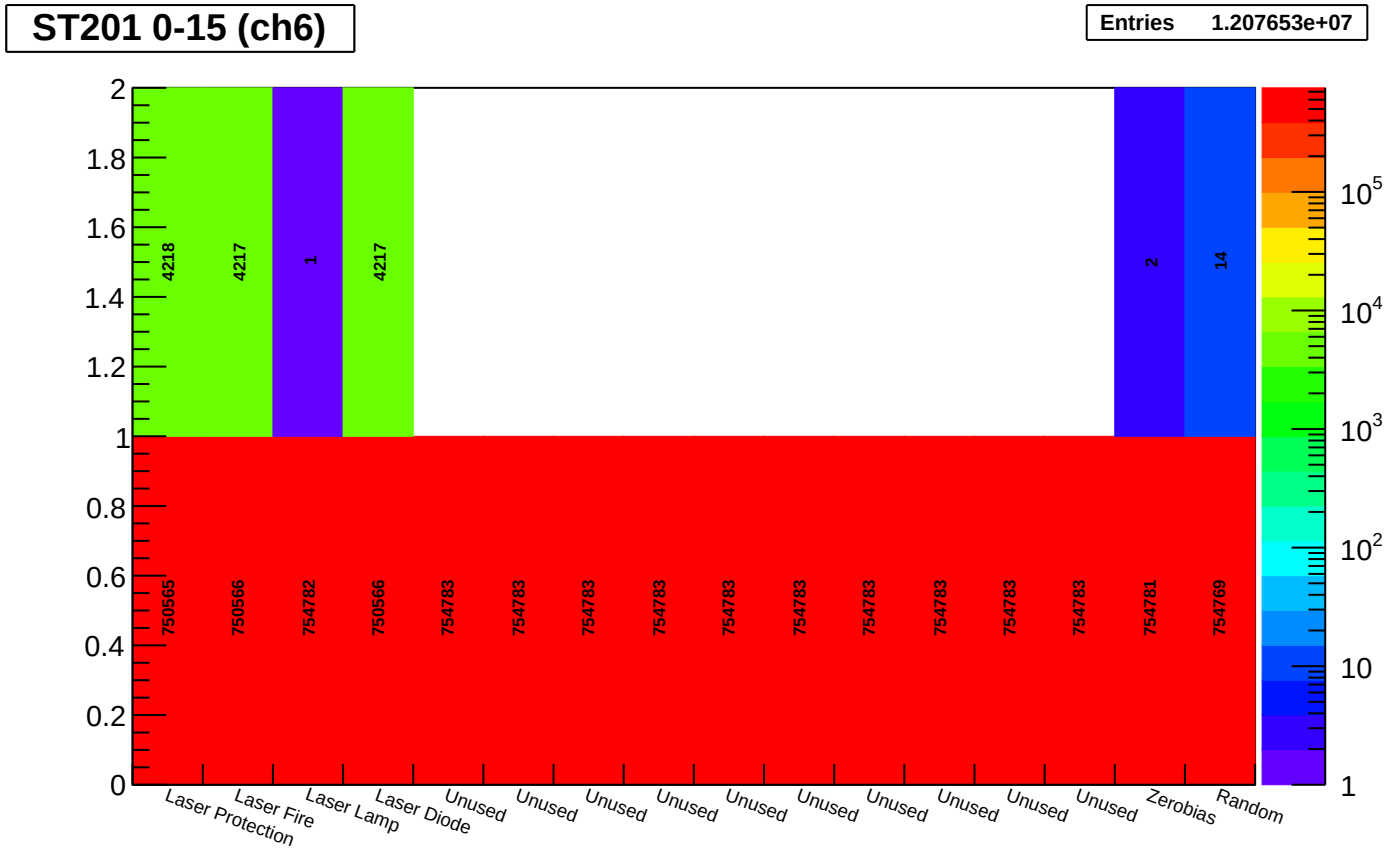

Entries 754783
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1


Entries 754783
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

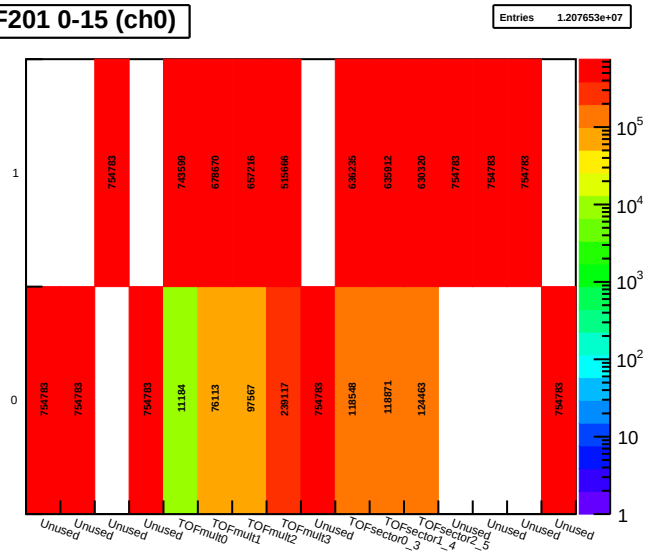

Entries 754783
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}


Entries 754783
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

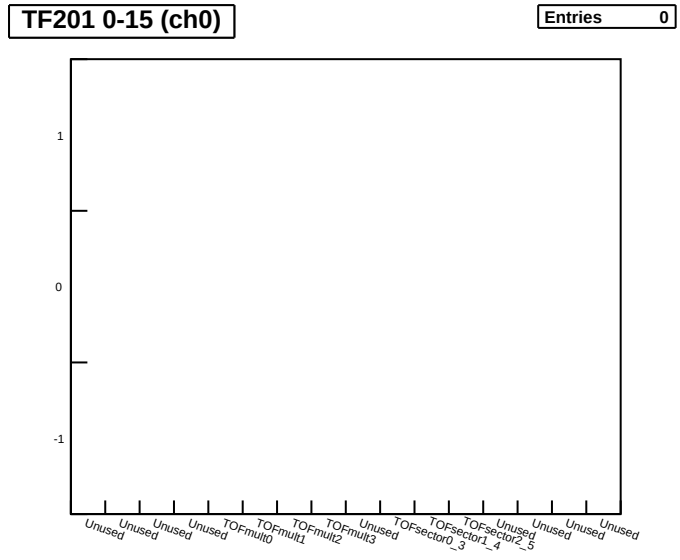

Laser Input Bits
Entries 754783
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 1.207653e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4218
4217
1
4217
2
14
750565
750566
754782
750566
754783
754783
754783
754783
754783
754783
754783
754783
754783
754783
754781
754769
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

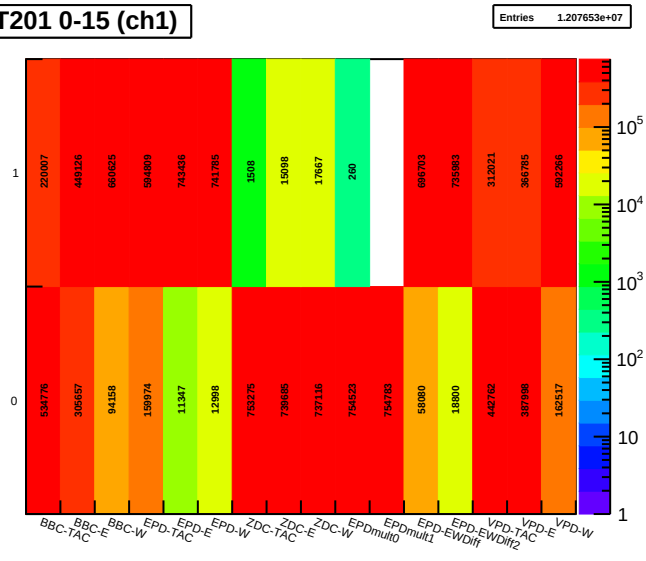
TF201 0-15 (ch0)



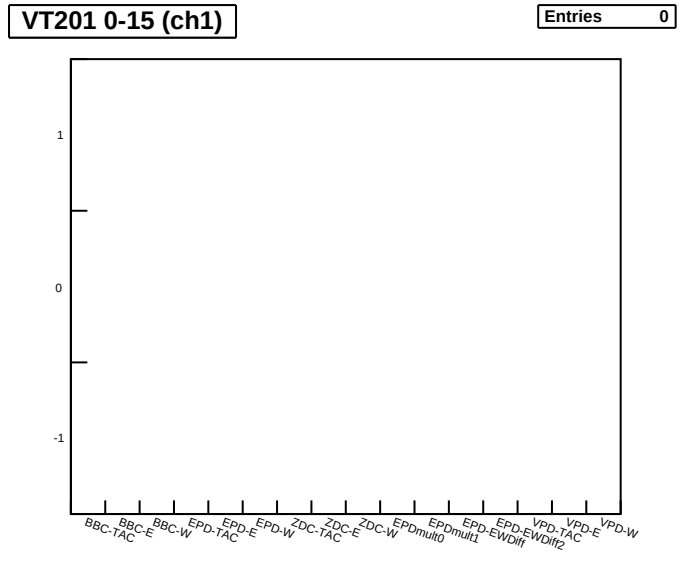
TF201 0-15 (ch0)



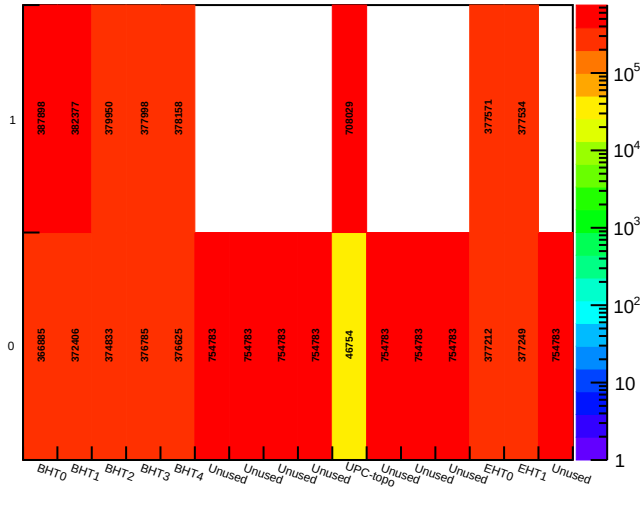
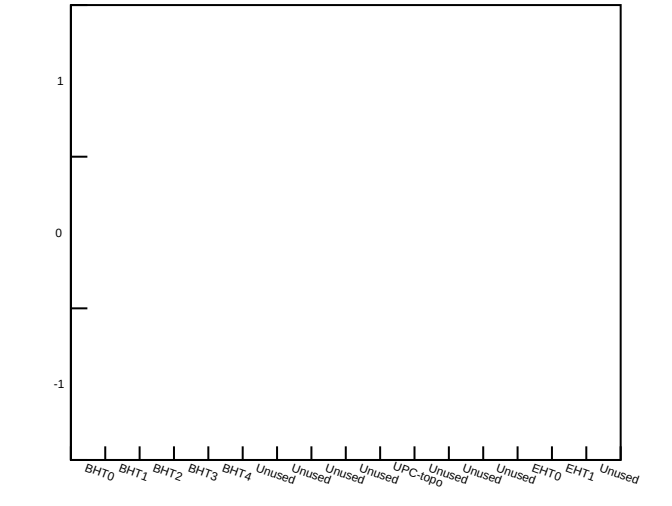
VT201 0-15 (ch1)



VT201 0-15 (ch1)



EM201 0-15 (ch3)



EM201 0-15 (ch3)