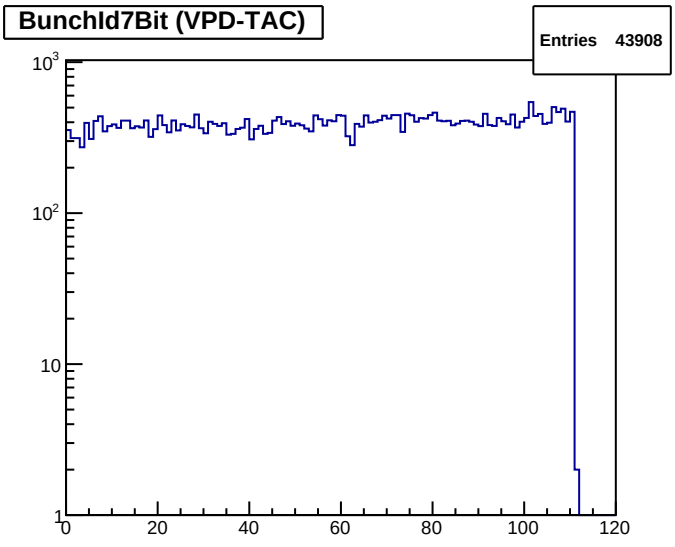
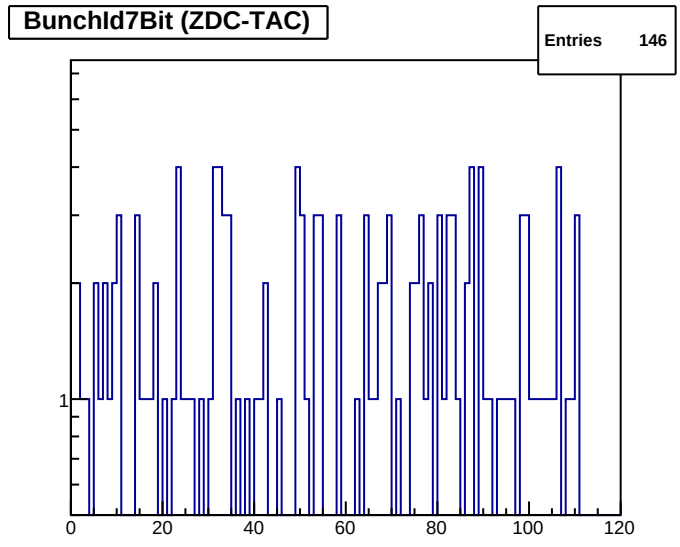
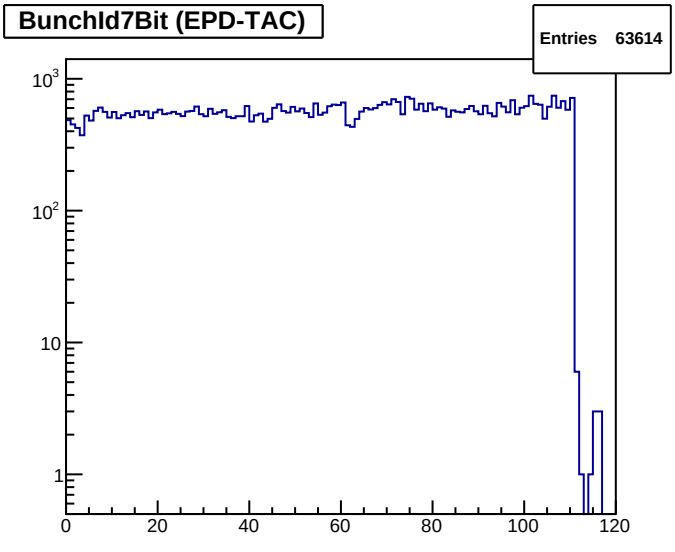
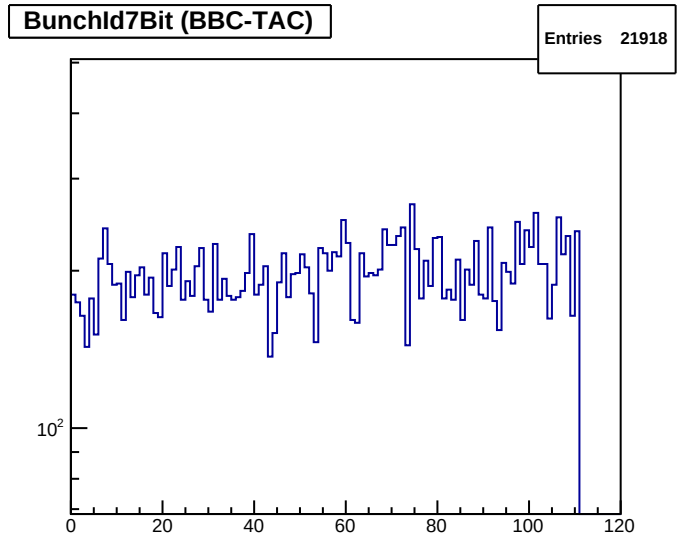
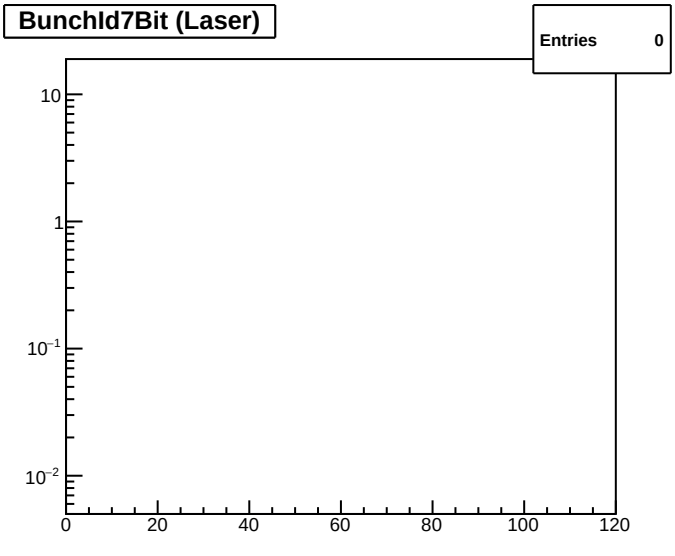
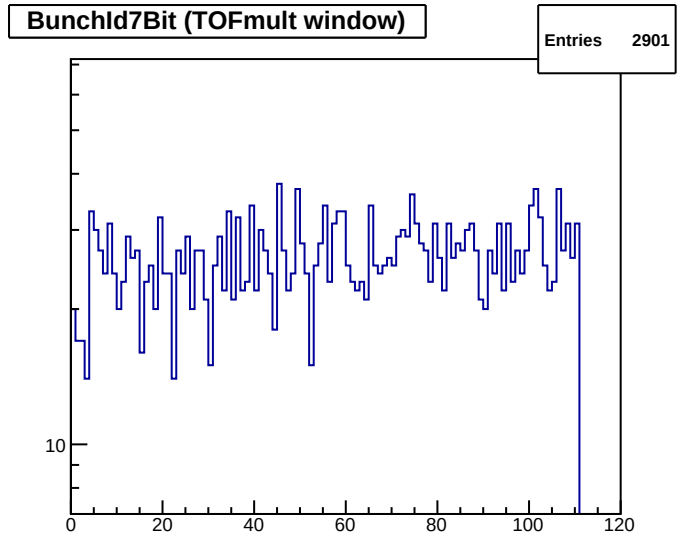

BunchId7Bit (VPD-TAC)
Entries 43908
10^3
10^2
10
1
0
20
40
60
80
100
120

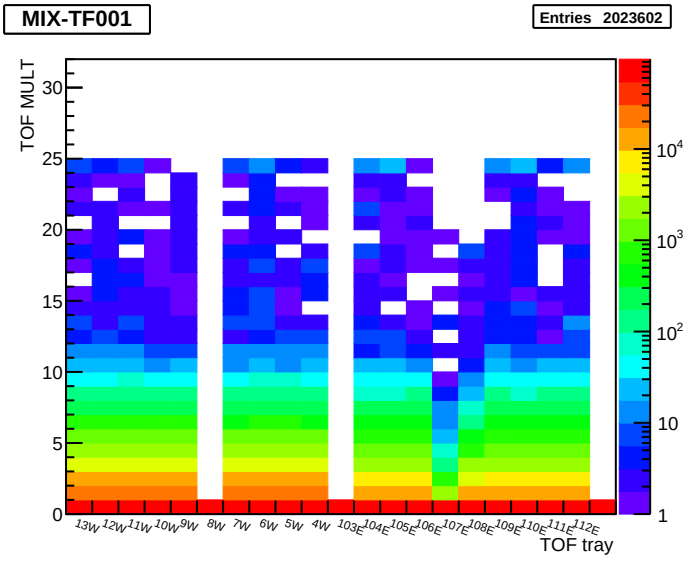

BunchId7Bit (ZDC-TAC)
Entries 146
1
0
20
40
60
80
100
120

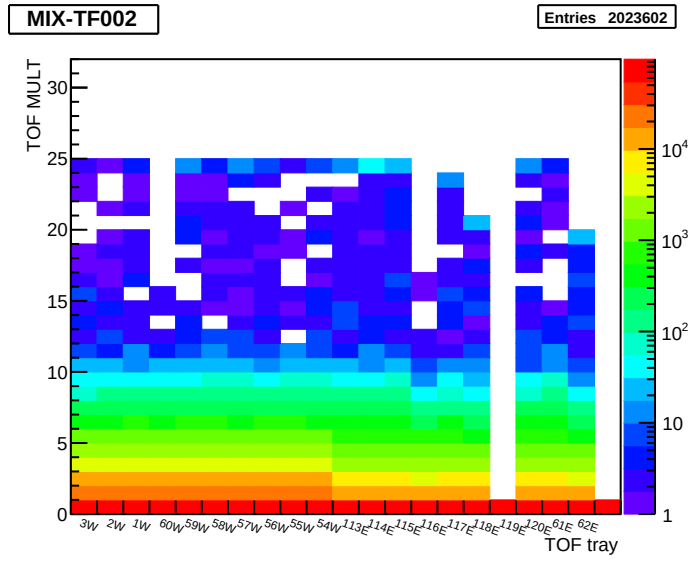

BunchId7Bit (EPD-TAC)
Entries 63614
10^3
10^2
10
1
0
20
40
60
80
100
120

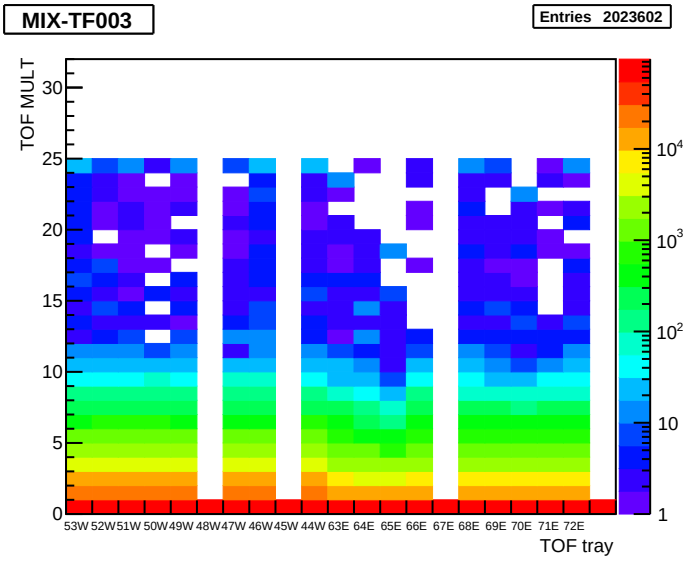

BunchId7Bit (BBC-TAC)
Entries 21918
10^2
0
20
40
60
80
100
120

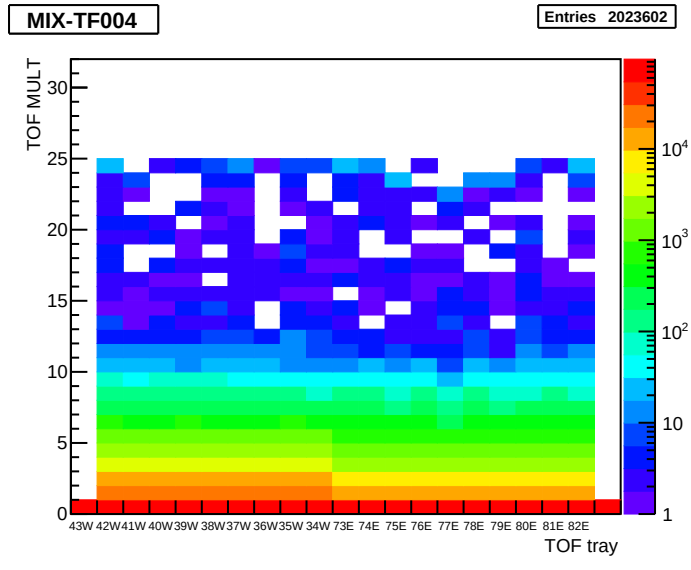

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

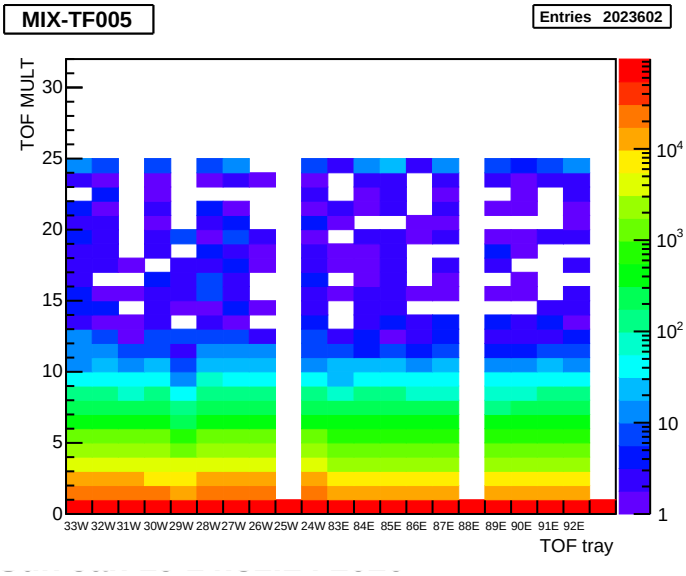

BunchId7Bit (TOFmult window)
Entries 2901
10
0
20
40
60
80
100
120

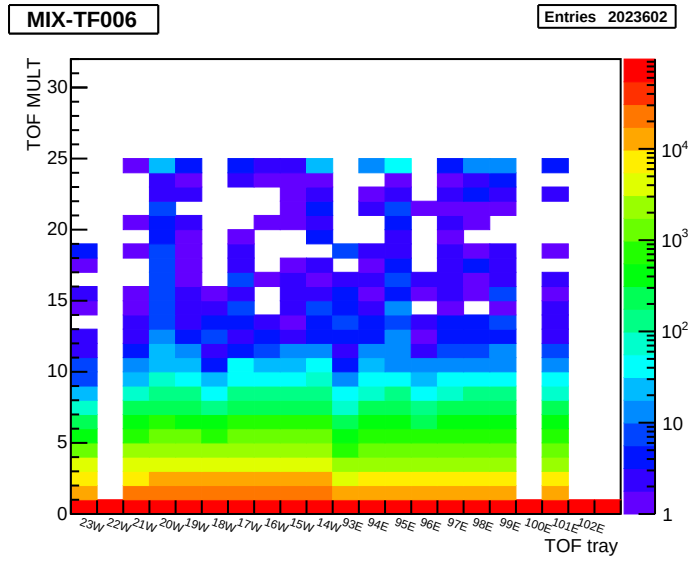

MIX-TF001
Entries 2023602
TOF MULT
TOF tray

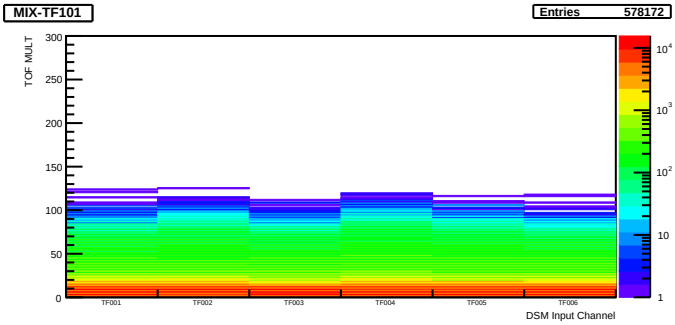

MIX-TF002
Entries 2023602
TOF MULT
TOF tray

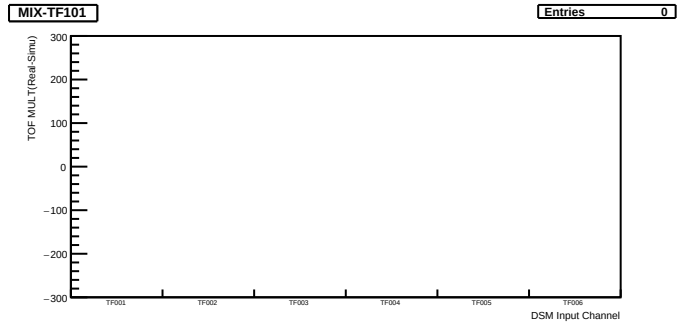

MIX-TF003
Entries 2023602
TOF MULT
TOF tray

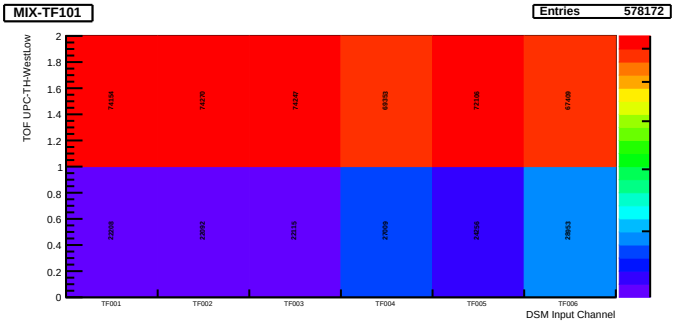

MIX-TF004
Entries 2023602
TOF MULT
TOF tray

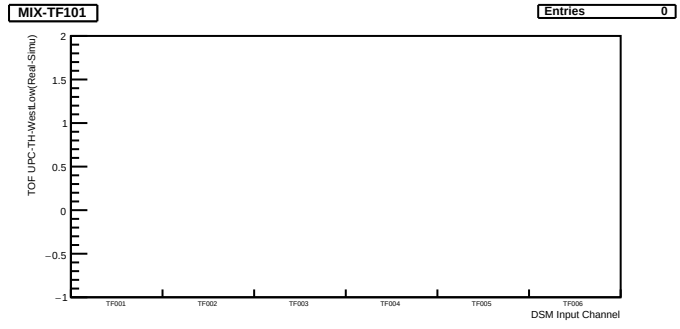

MIX-TF005
Entries 2023602
TOF MULT
TOF tray

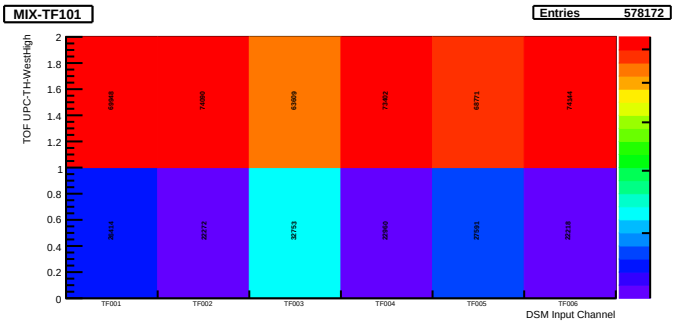

MIX-TF006
Entries 2023602
TOF MULT
TOF tray

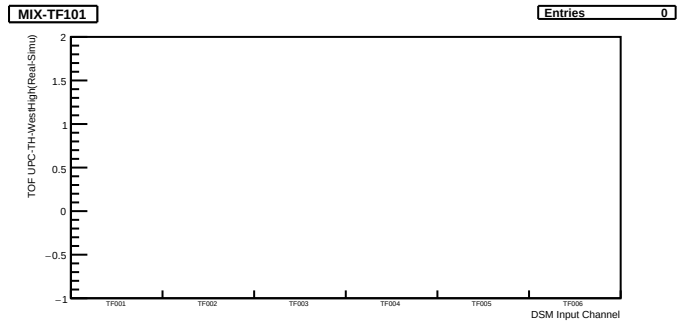

MIX-TF101
Entries 578172
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

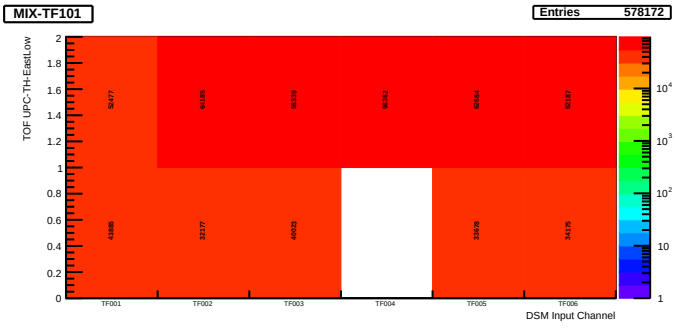

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

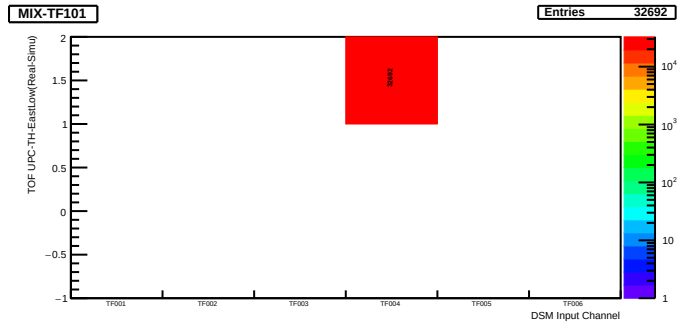

MIX-TF101
Entries 578172
TOF UPC-TH-WestLow
74134
74270
74247
69383
72136
67409
22258
22952
22315
27009
24256
28943
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

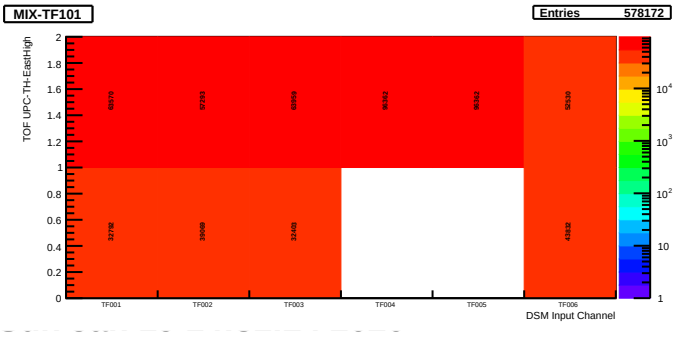

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

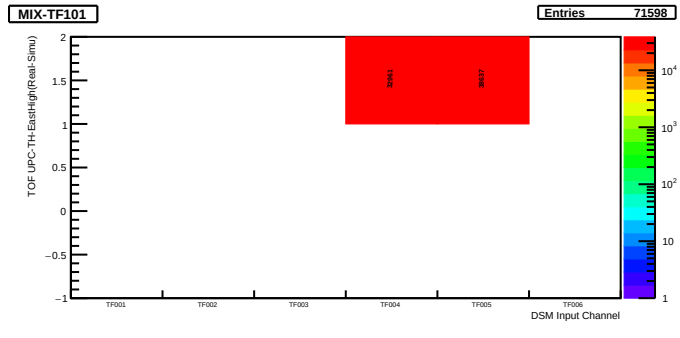

MIX-TF101
Entries 578172
TOF UPC-TH-WestHigh
69948
74690
63809
73402
68771
74044
26414
22272
32753
29940
27951
22218
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

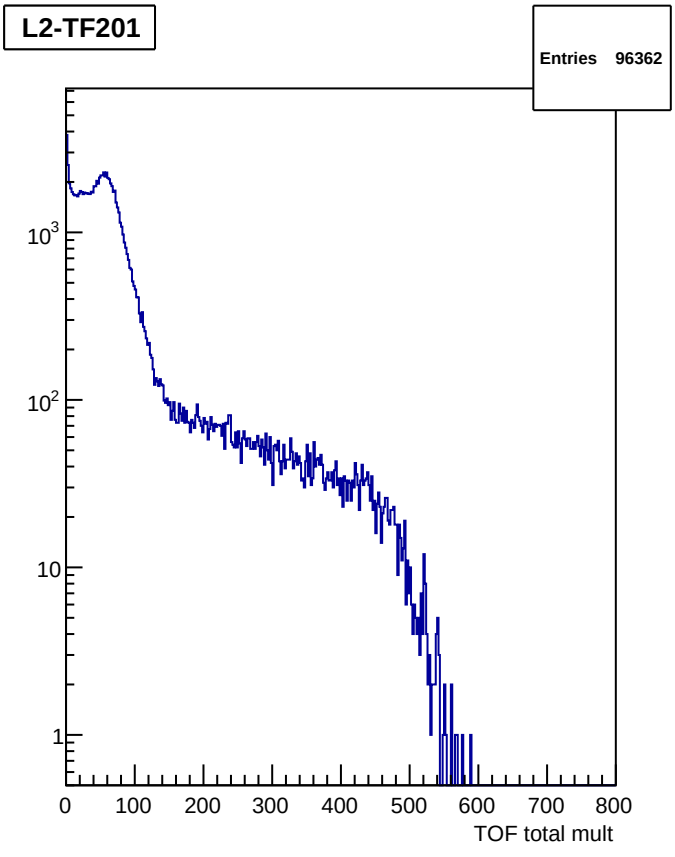

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

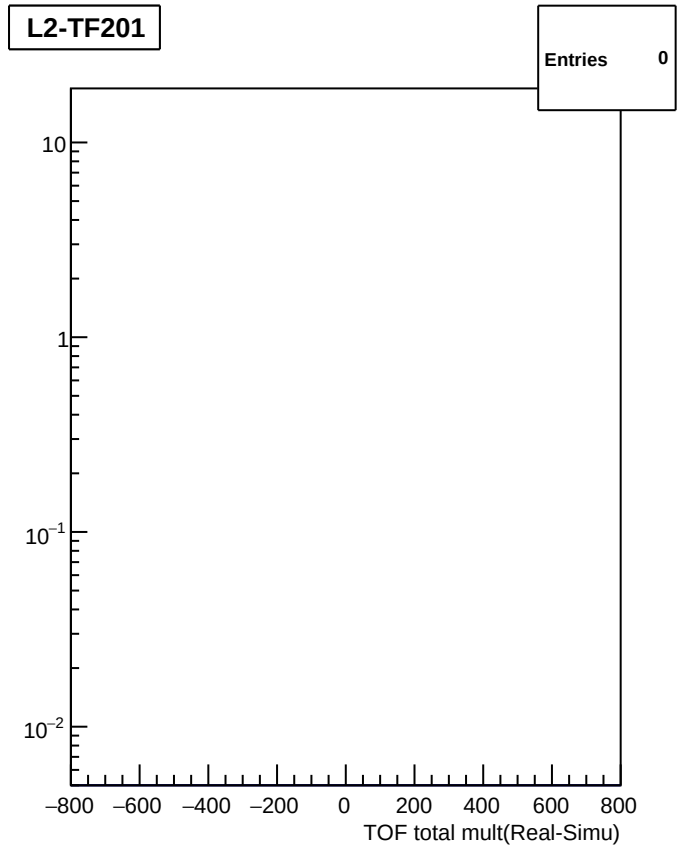

MIX-TF101
Entries 578172
TOF UPC-TH-EastLow
52477
64185
55139
95242
62584
62187
43985
33177
44025
33878
34175
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

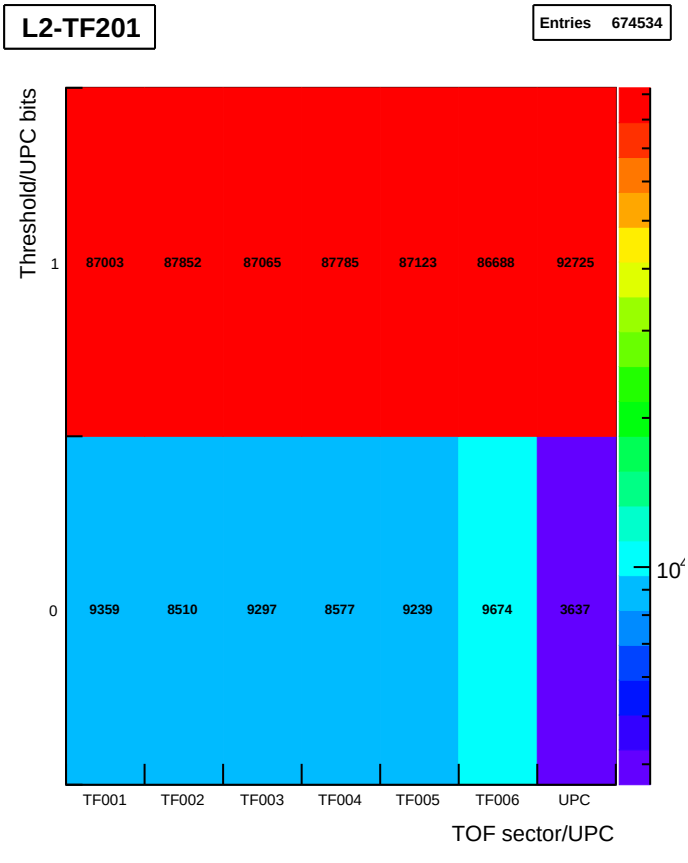

MIX-TF101
Entries 32692
TOF UPC-TH-EastLow(Real-Simu)
32692
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

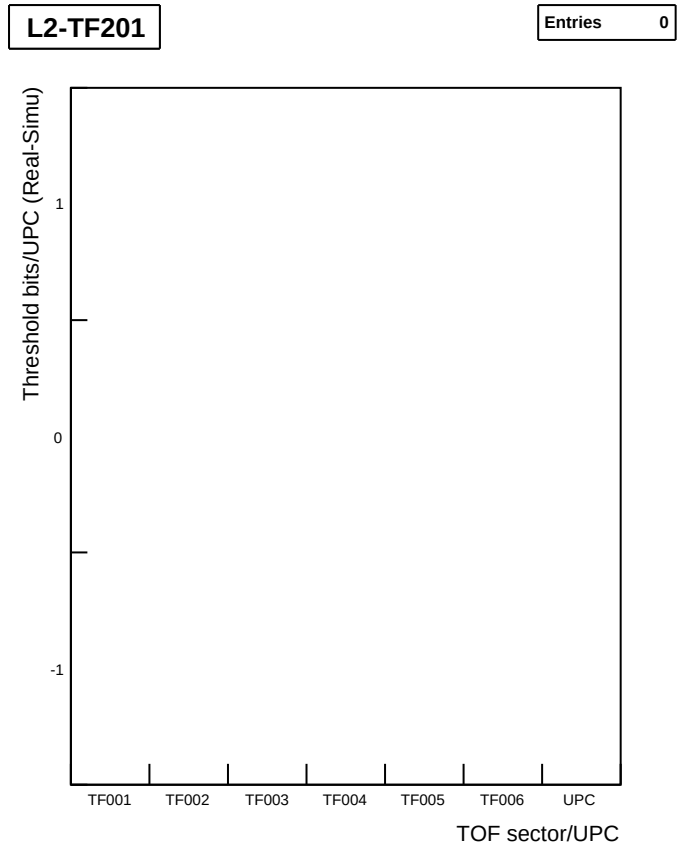

MIX-TF101
Entries 578172
TOF UPC-TH-EastHigh
62570
57293
63959
95242
95242
52539
32782
39969
32443
43832
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

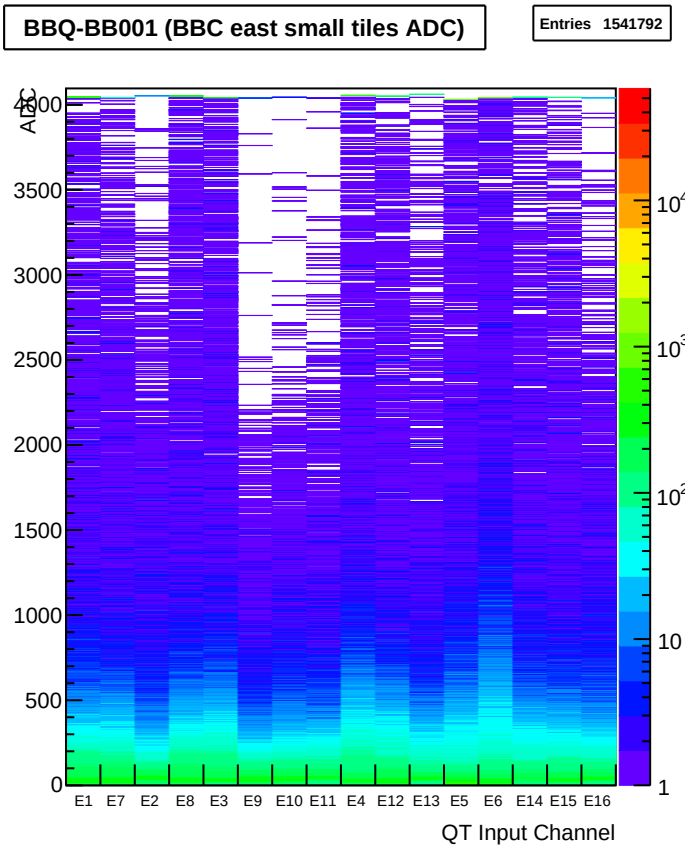

MIX-TF101
Entries 71598
TOF UPC-TH-EastHigh(Real-Simu)
32661
38637
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

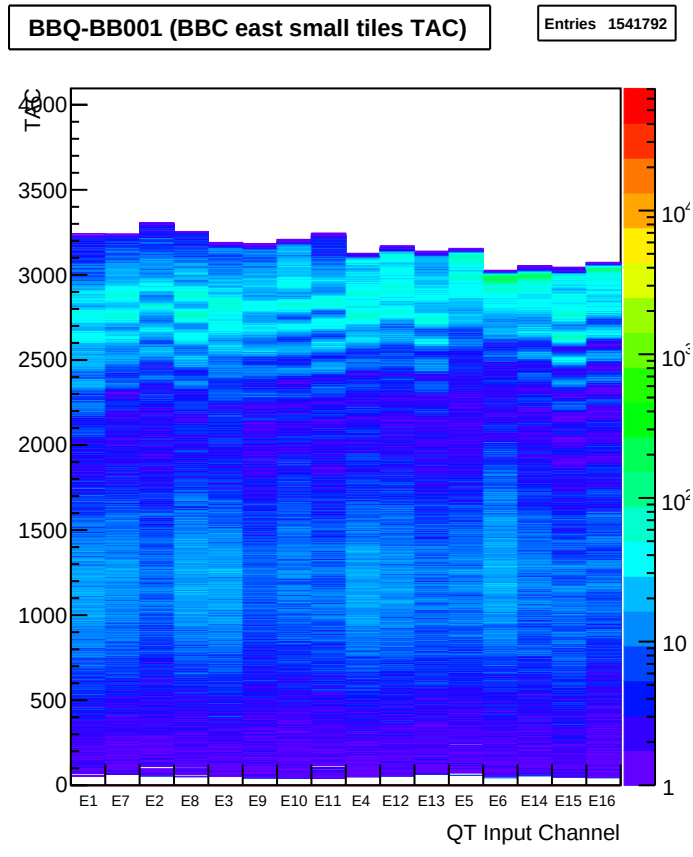

L2-TF201
Entries 96362
10^3
10^2
10
1
0 100 200 300 400 500 600 700 800
TOF total mult

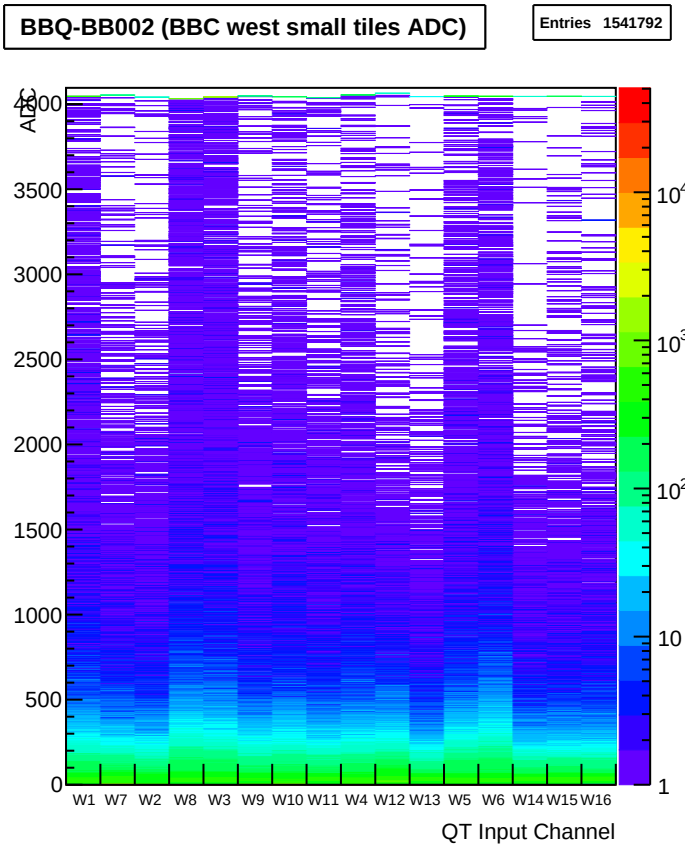

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
–800 –600 –400 –200 0 200 400 600 800
TOF total mult(Real-Simu)

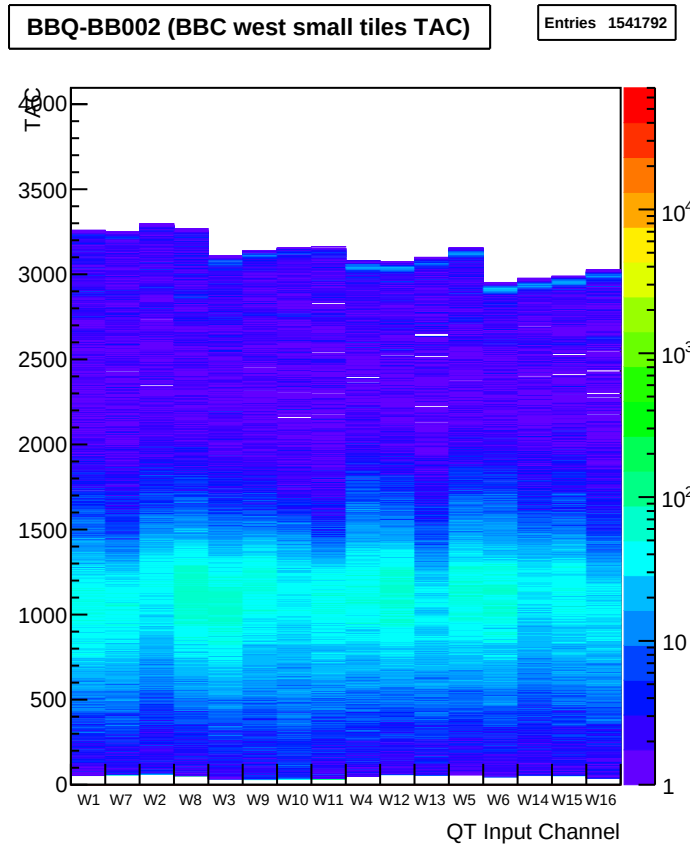

L2-TF201
Entries 674534
Threshold/UPC bits
1
0
87003 87852 87065 87785 87123 86688 92725
9359 8510 9297 8577 9239 9674 3637
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

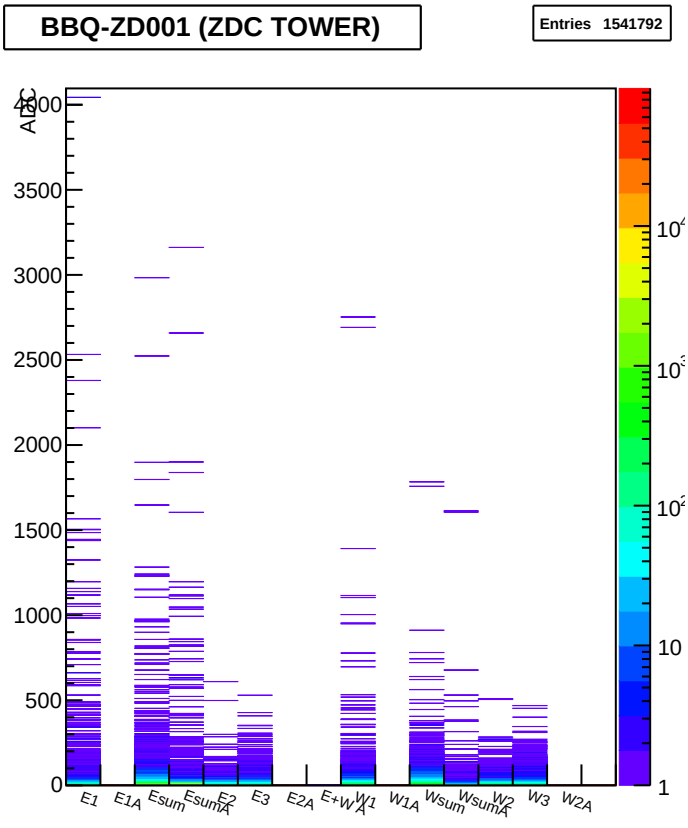

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

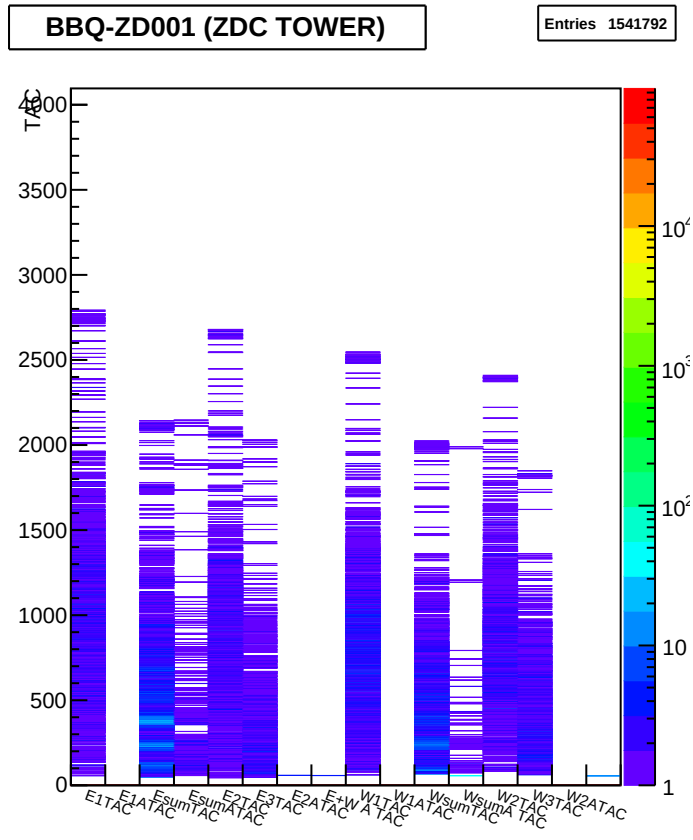

BBQ-BB001 (BBC east small tiles ADC)
Entries 1541792
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

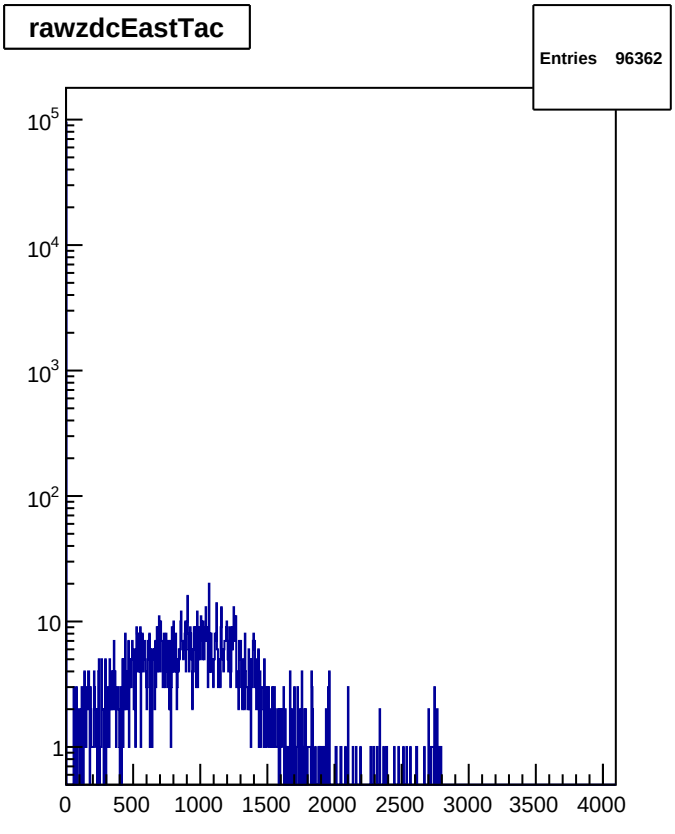

BBQ-BB001 (BBC east small tiles TAC)
Entries 1541792
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

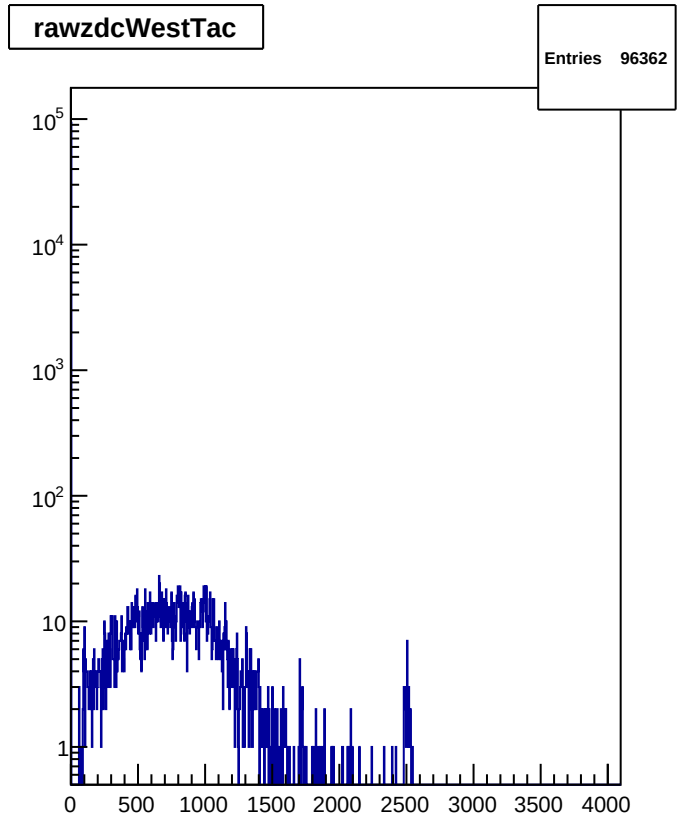

BBQ-BB002 (BBC west small tiles ADC)
Entries 1541792
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

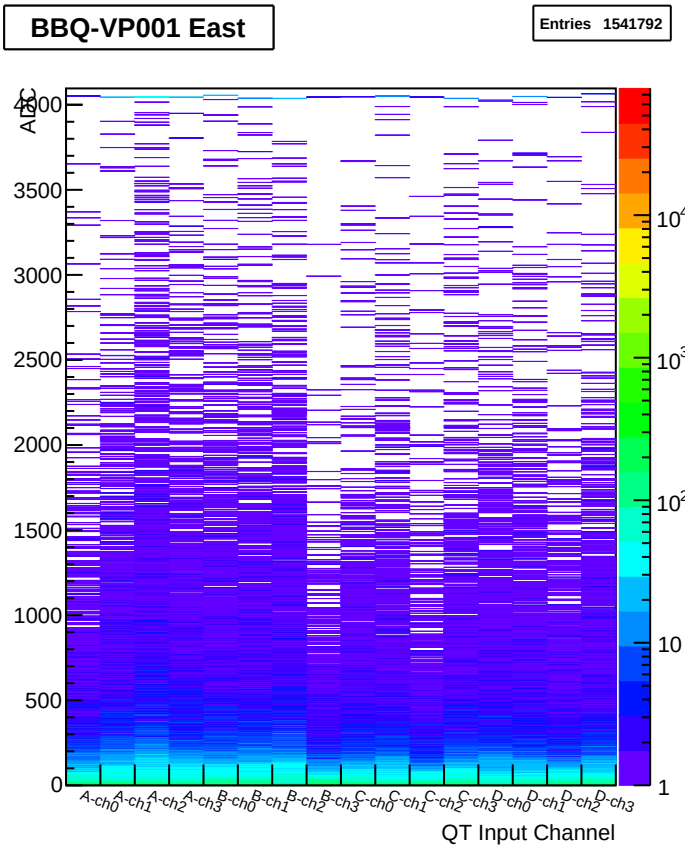

BBQ-BB002 (BBC west small tiles TAC)
Entries 1541792
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

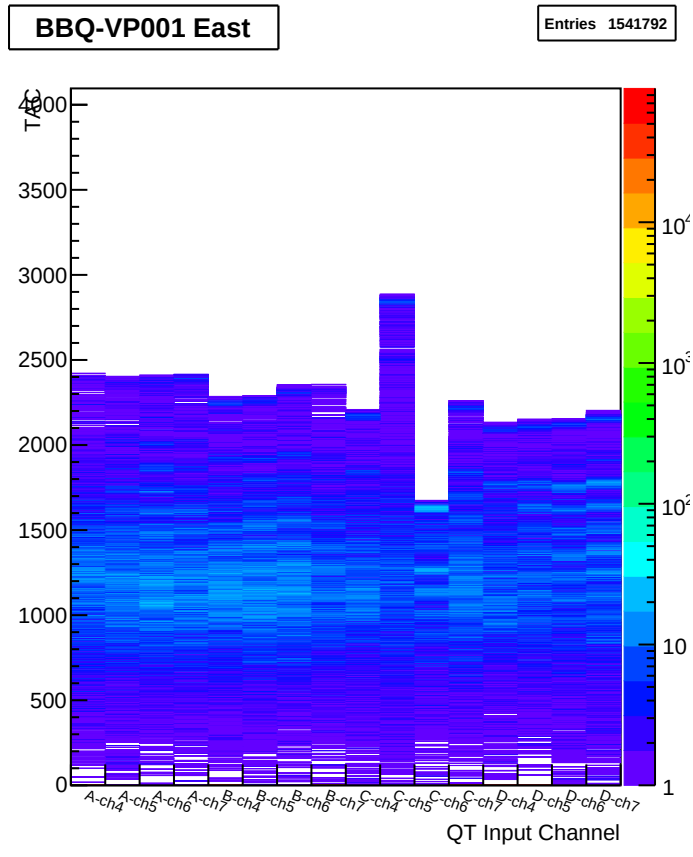

BBQ-ZD001 (ZDC TOWER)
Entries 1541792
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

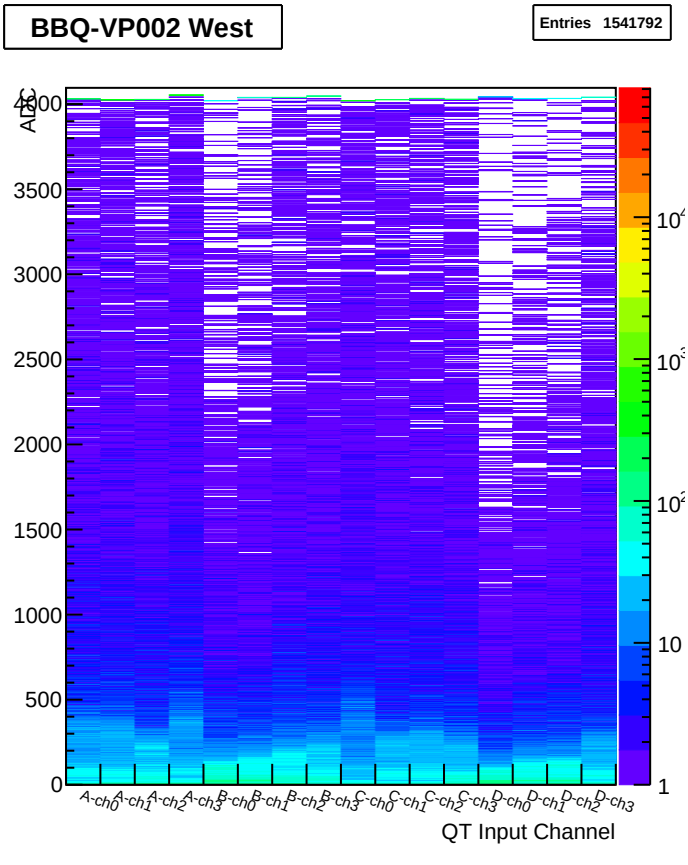

BBQ-ZD001 (ZDC TOWER)
Entries 1541792
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

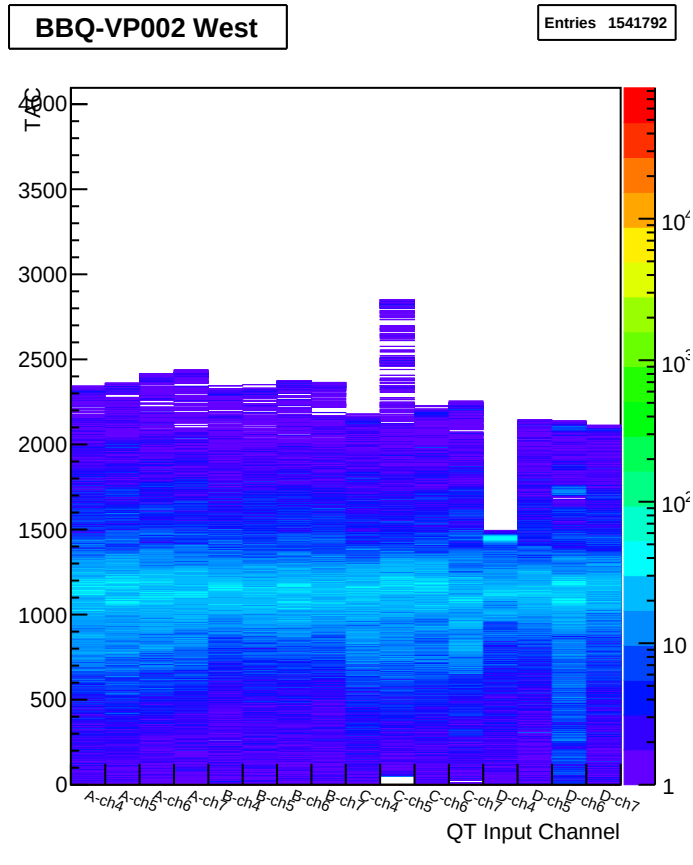

rawzdcEastTac
Entries 96362

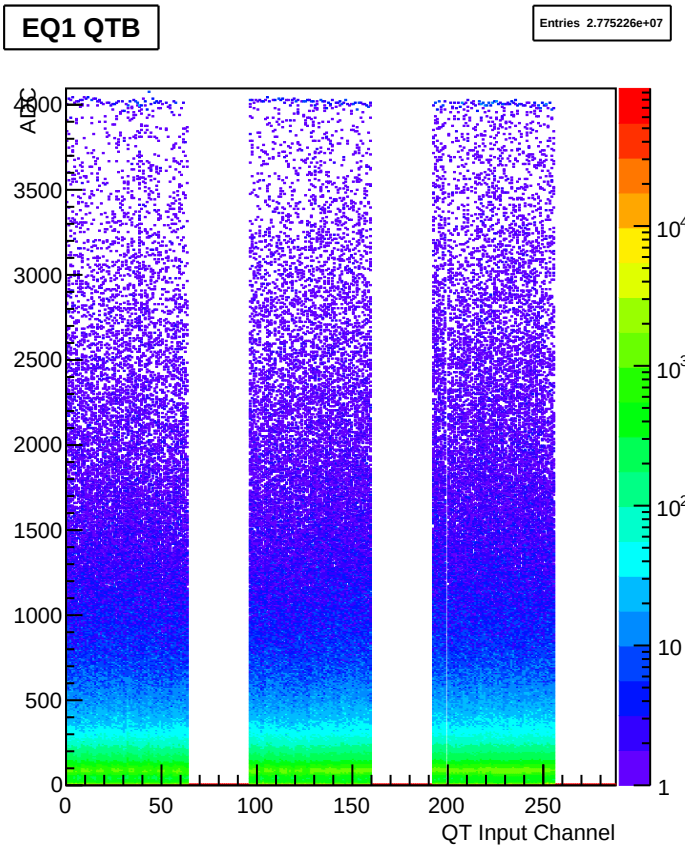

rawzdcWestTac
Entries 96362

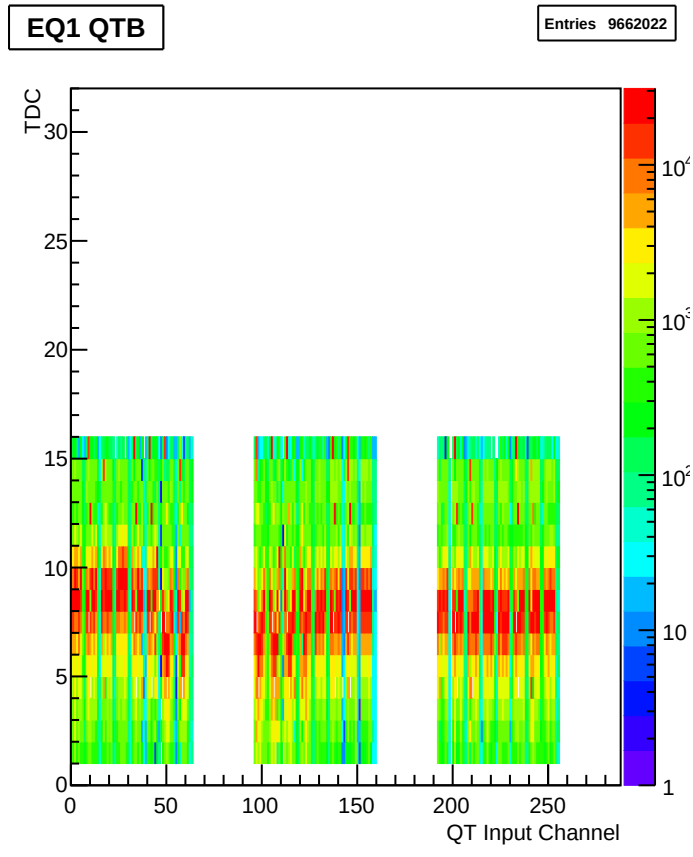

BBQ-VP001 East
Entries 1541792
ADC
QT Input Channel

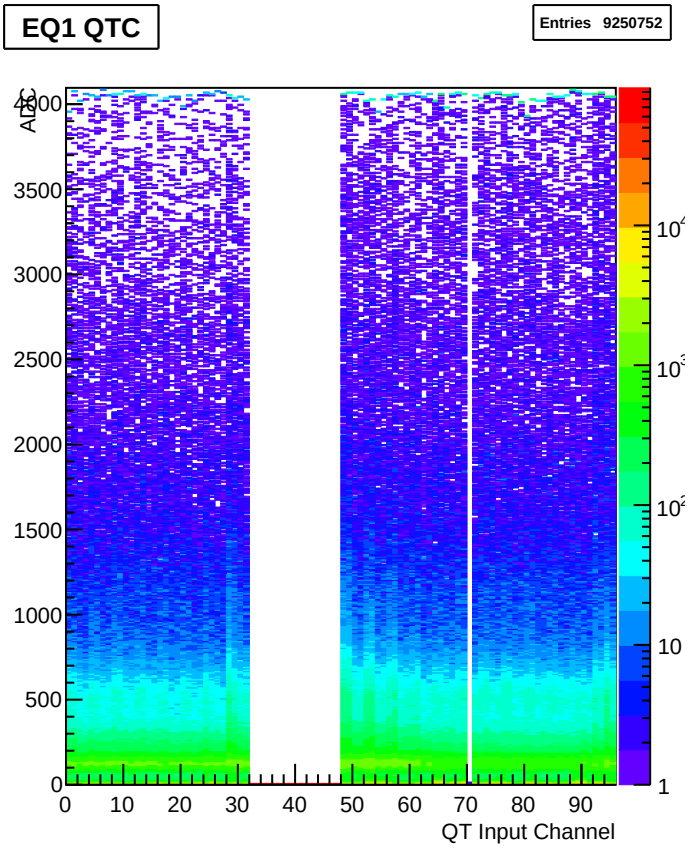

BBQ-VP001 East
Entries 1541792
TAC
QT Input Channel

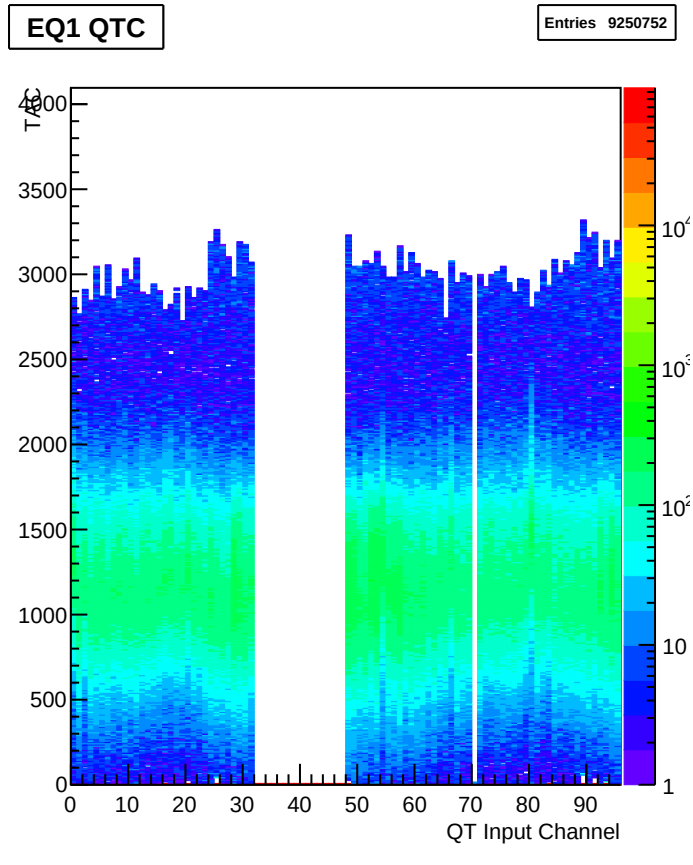

BBQ-VP002 West
Entries 1541792
ADC
QT Input Channel

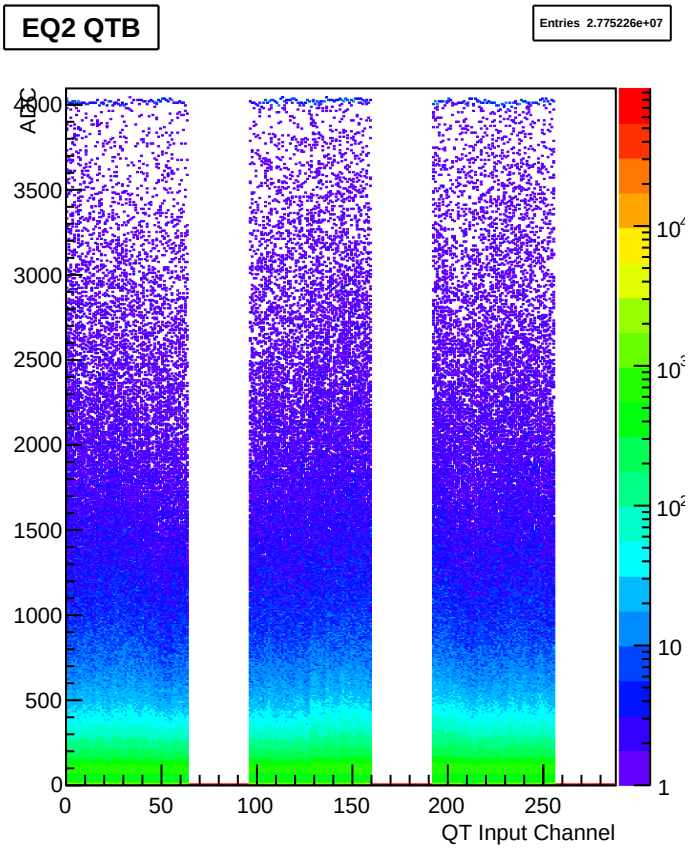

BBQ-VP002 West
Entries 1541792
TAC
QT Input Channel

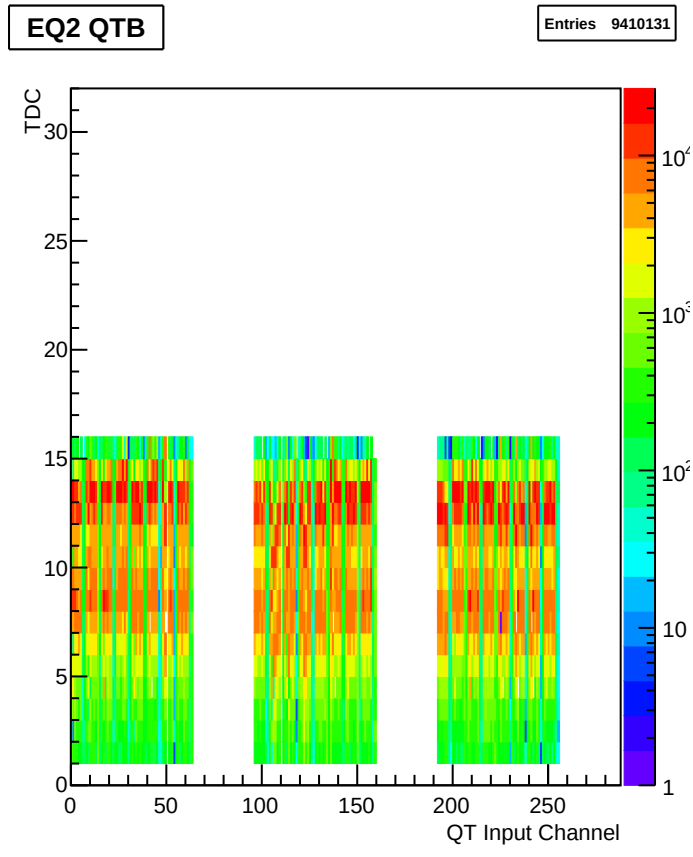

EQ1 QTB
Entries 2.775226e+07
ADC
QT Input Channel

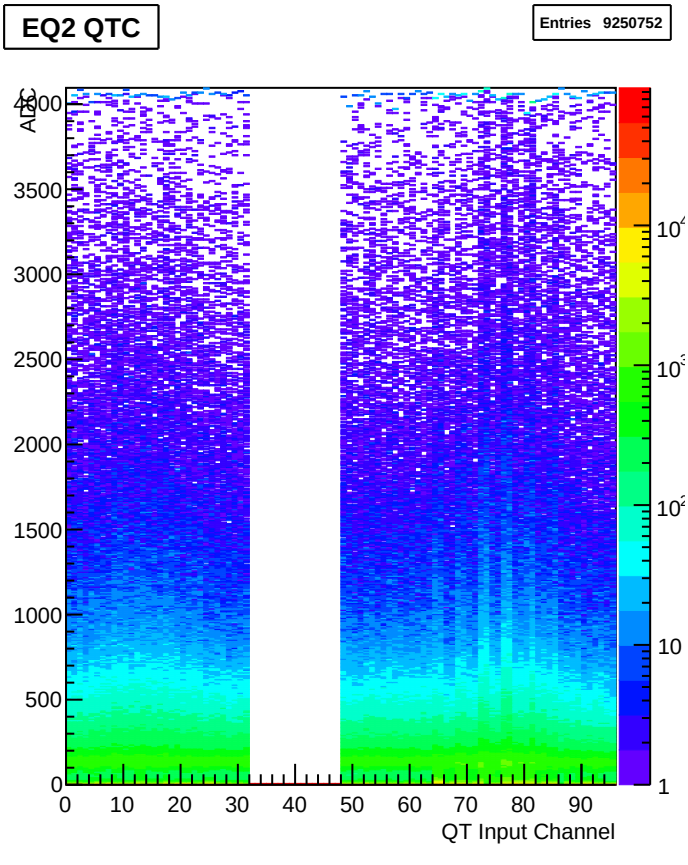

EQ1 QTB
Entries 9662022
TDC
QT Input Channel

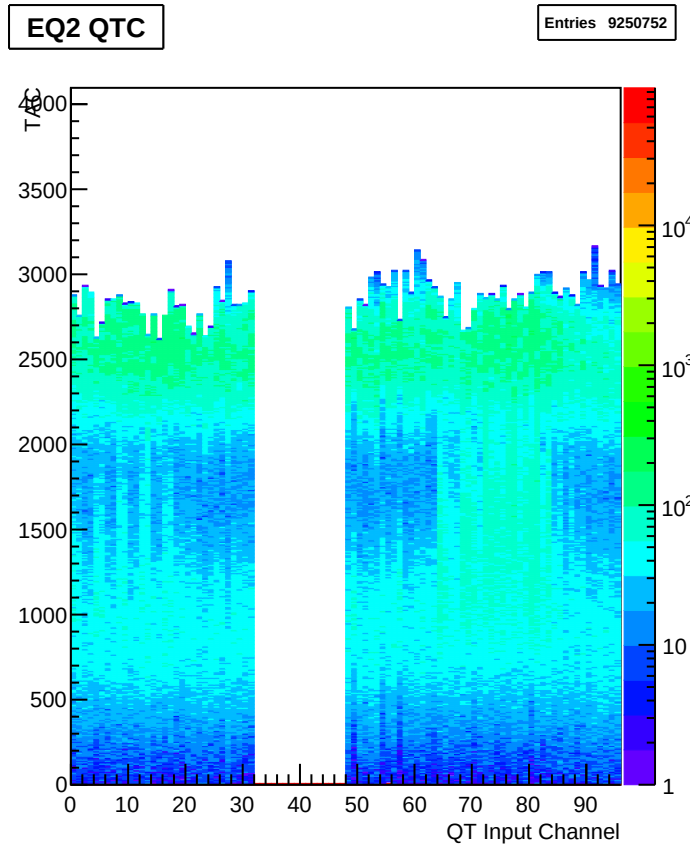

EQ1 QTC
Entries 9250752
ADC
QT Input Channel

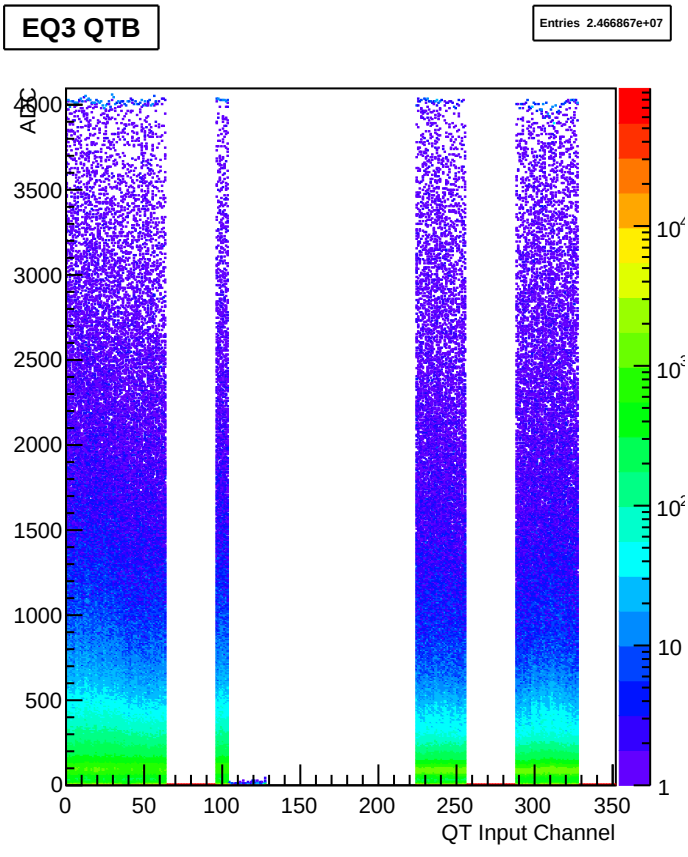

EQ1 QTC
Entries 9250752
TADC
QT Input Channel

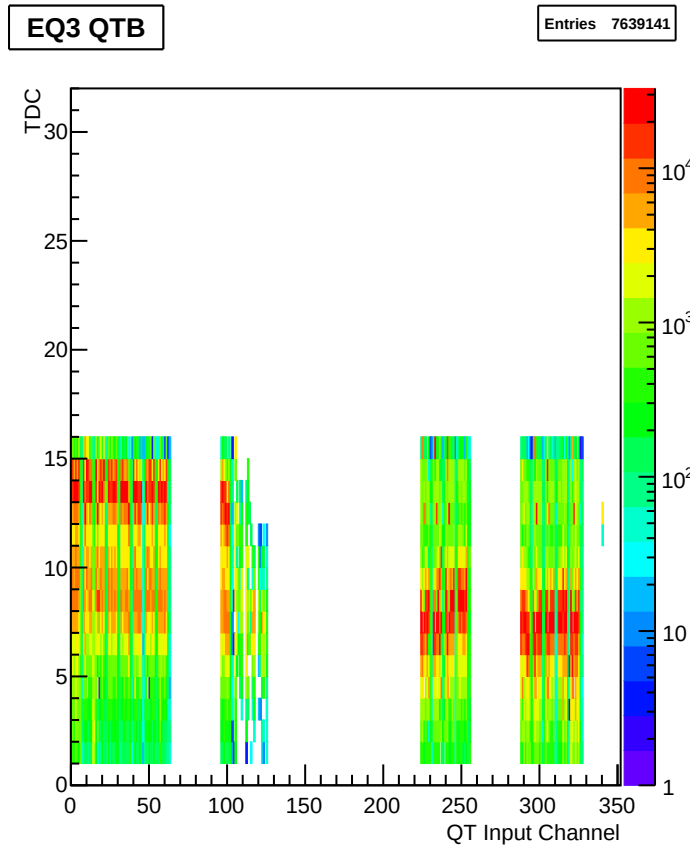

EQ2 QTB
Entries 2.775226e+07
ADC
QT Input Channel

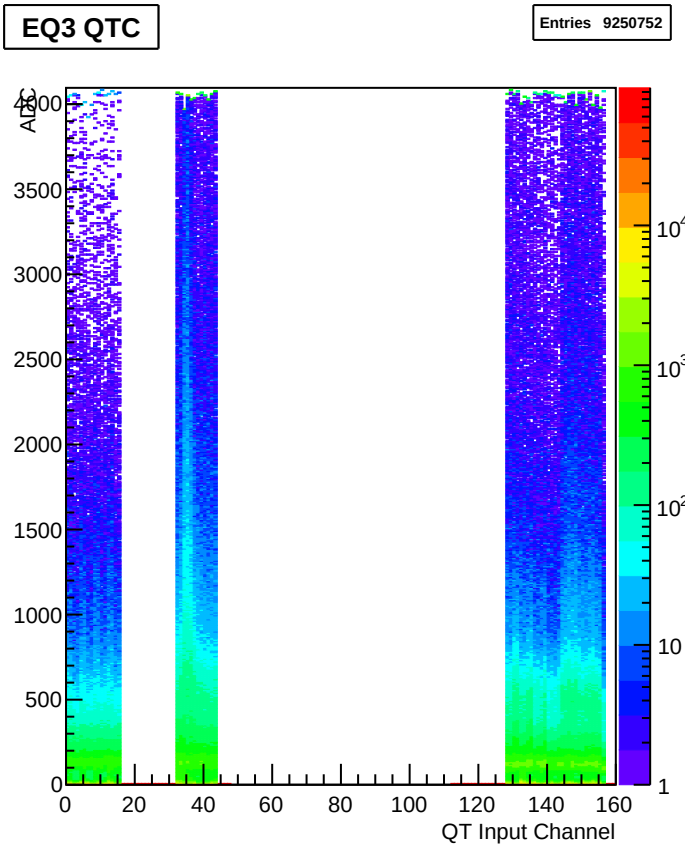

EQ2 QTB
Entries 9410131
TDC
QT Input Channel

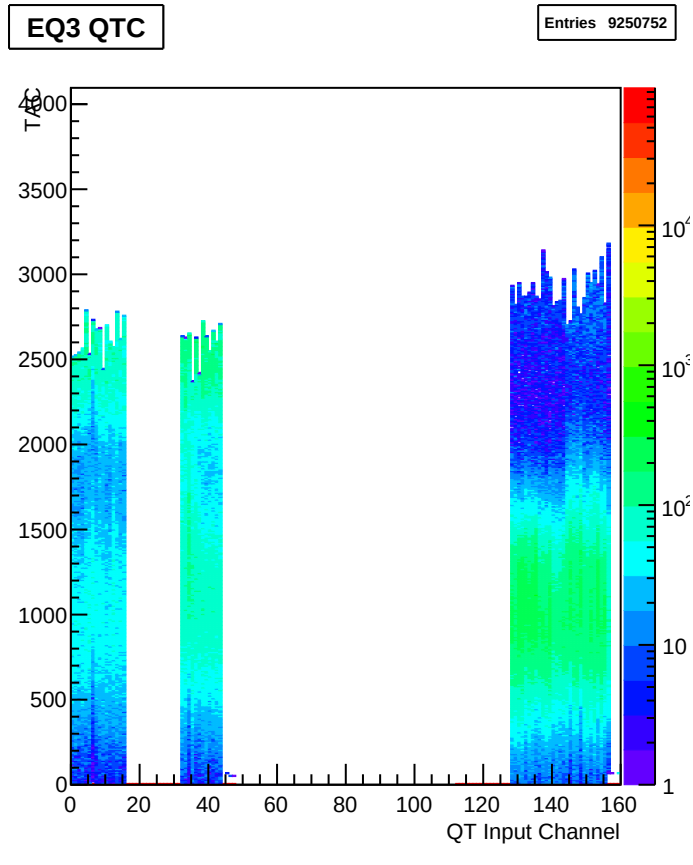

EQ2 QTC
Entries 9250752
ADC
QT Input Channel

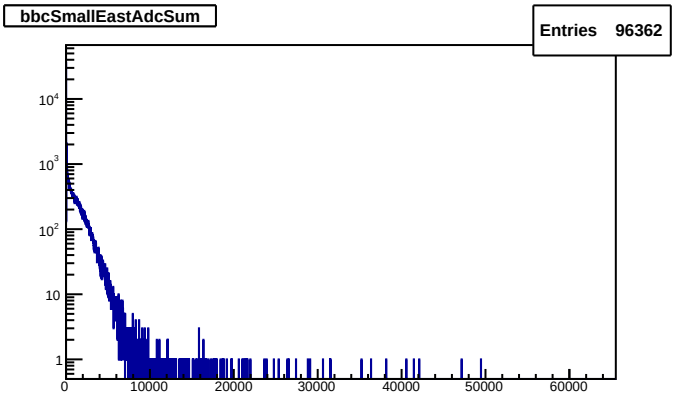

EQ2 QTC
Entries 9250752
TADC
QT Input Channel

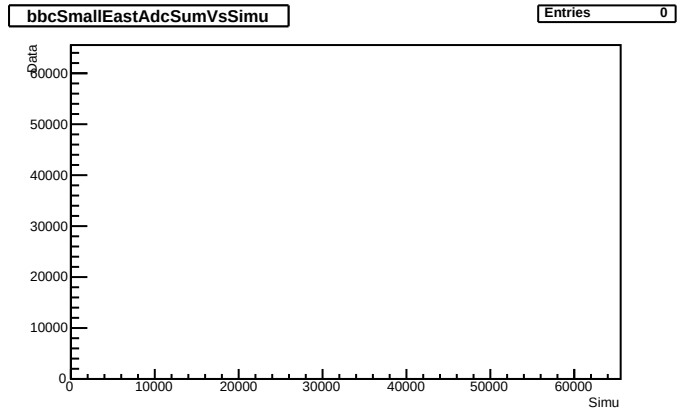

EQ3 QTB
Entries 2.466867e+07
ADC
QT Input Channel

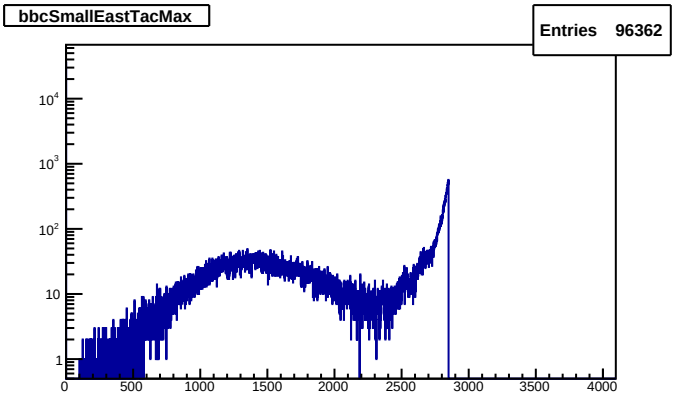

EQ3 QTB
Entries 7639141
TDC
QT Input Channel

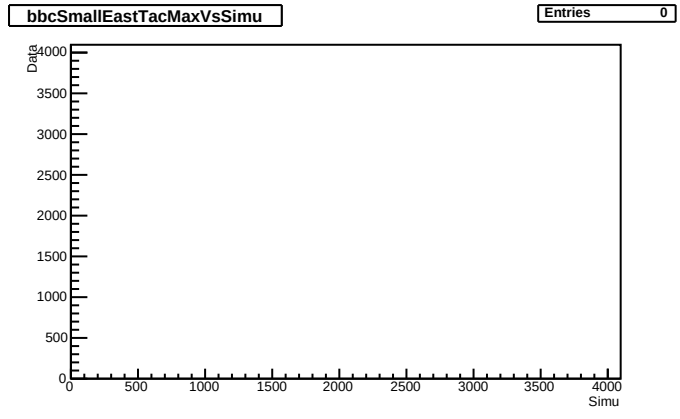

EQ3 QTC
Entries 9250752
ADC
QT Input Channel


EQ3 QTC
Entries 9250752
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 96362


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 96362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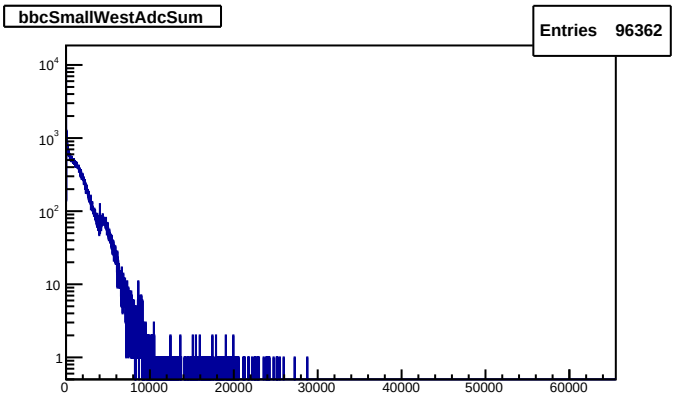
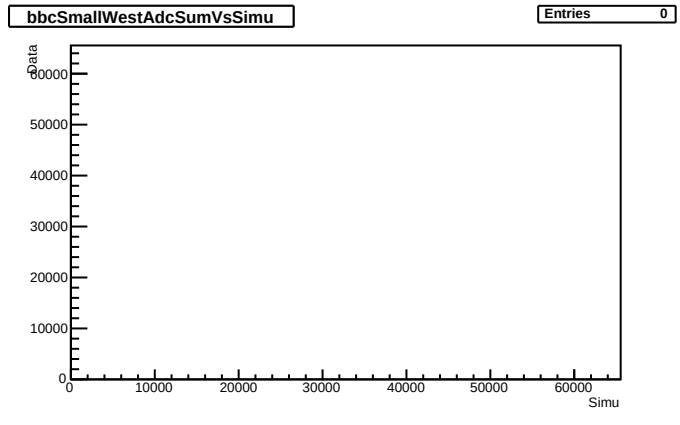
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 96362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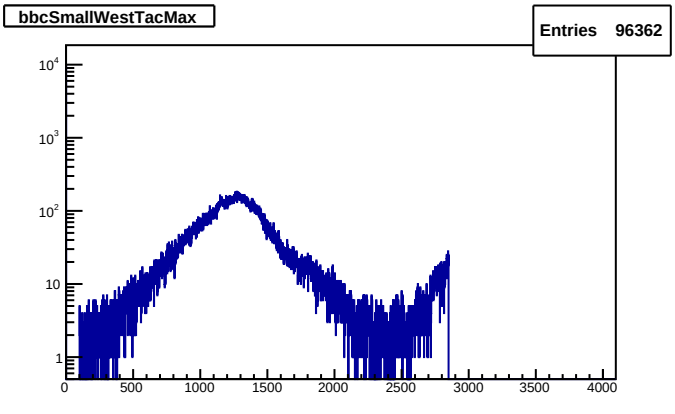
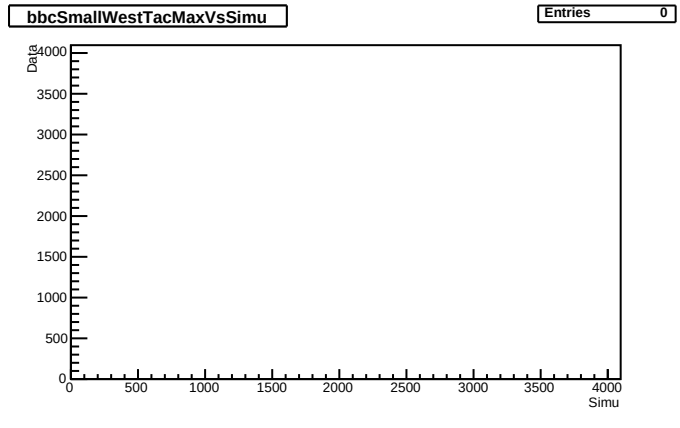
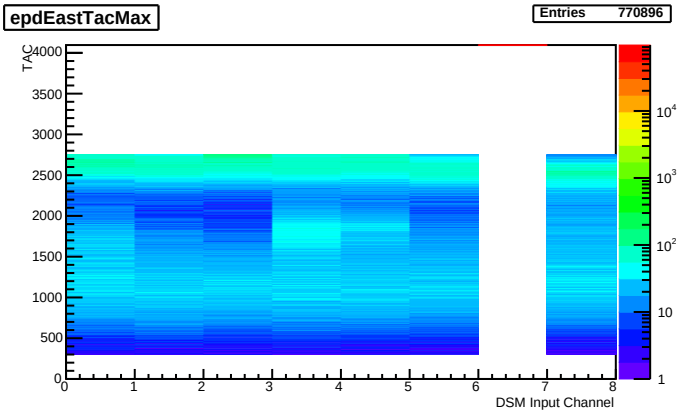
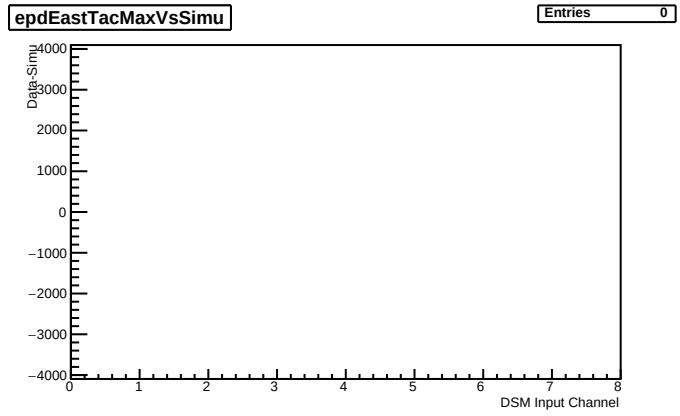
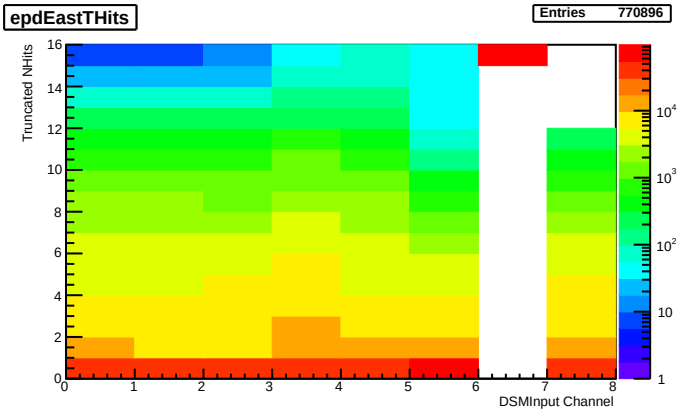
Simu

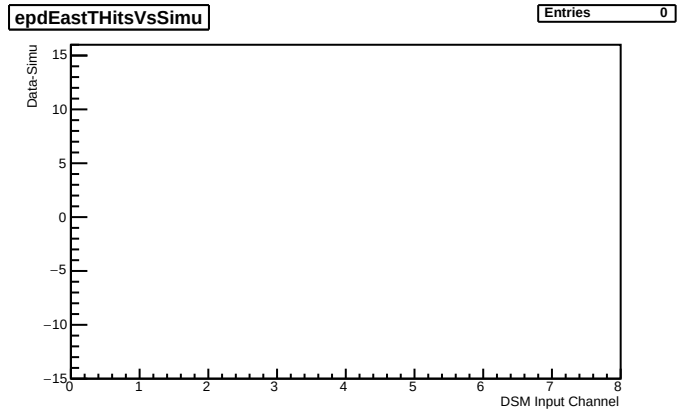

bbcSmallWestTacMax
Entries 96362


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 770896
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 770896
Truncated NHits
DSMInput Channel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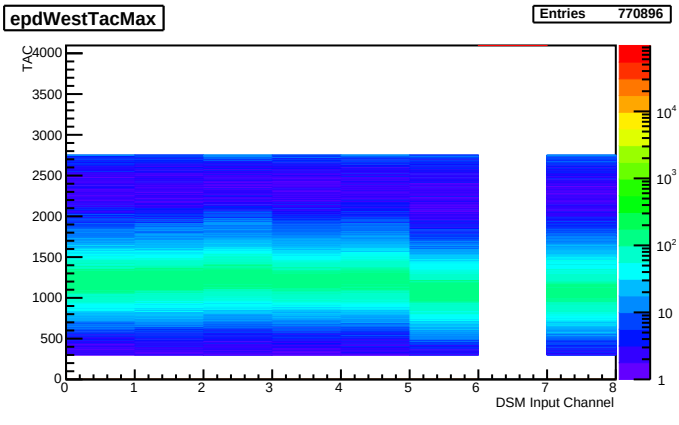
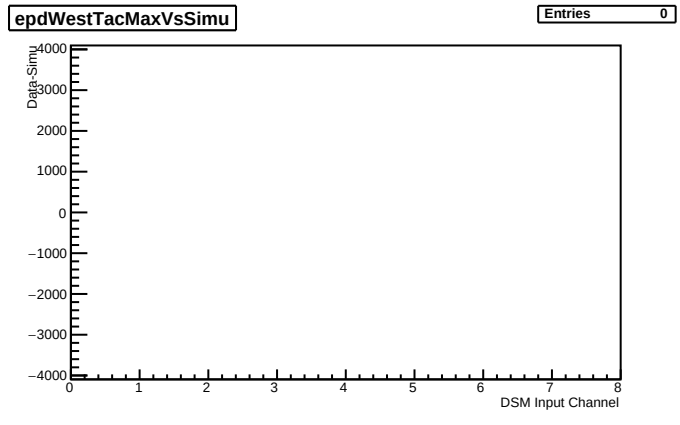
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 770896
TAC
DSM Input Channel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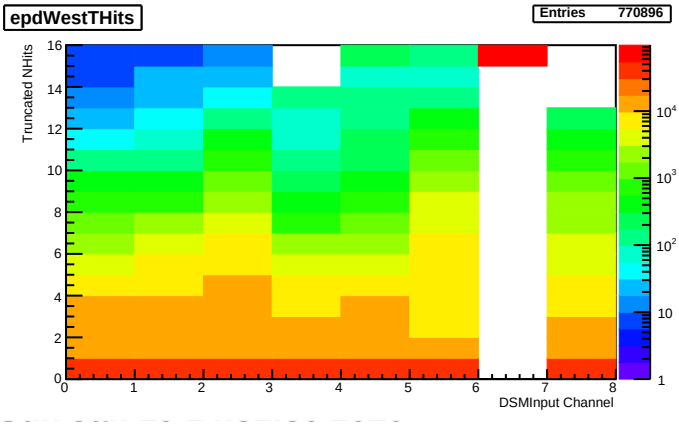
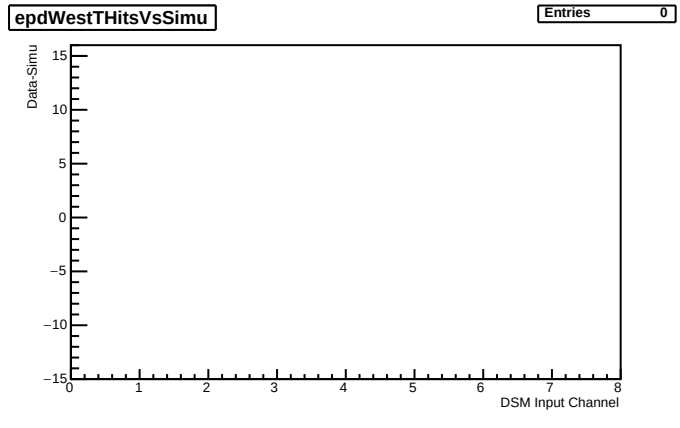
Data-Simu
DSM Input Channel


epdWestTHits
Entries 770896
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
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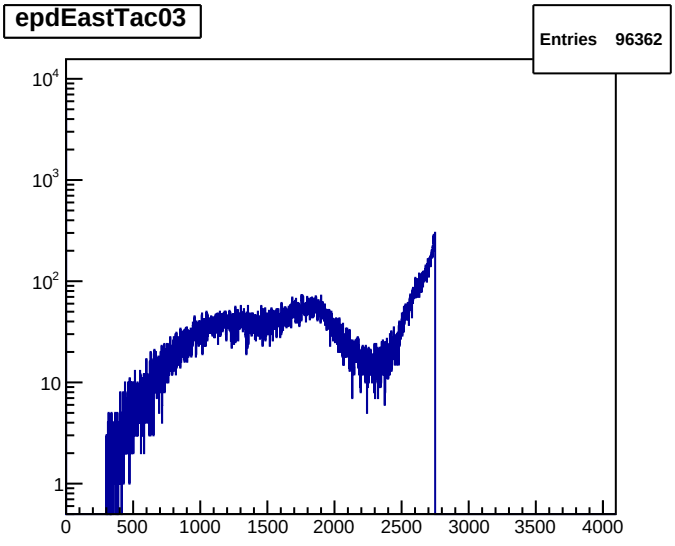
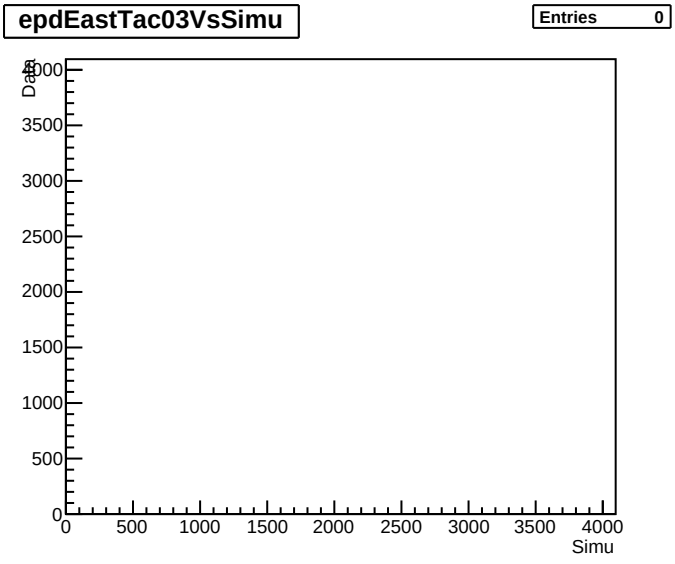
Data-Simu
DSM Input Channel


epdEastTac03
Entries 96362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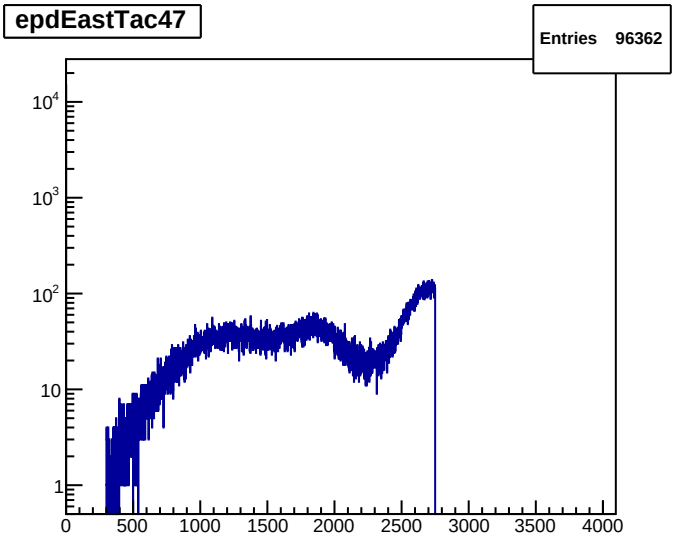
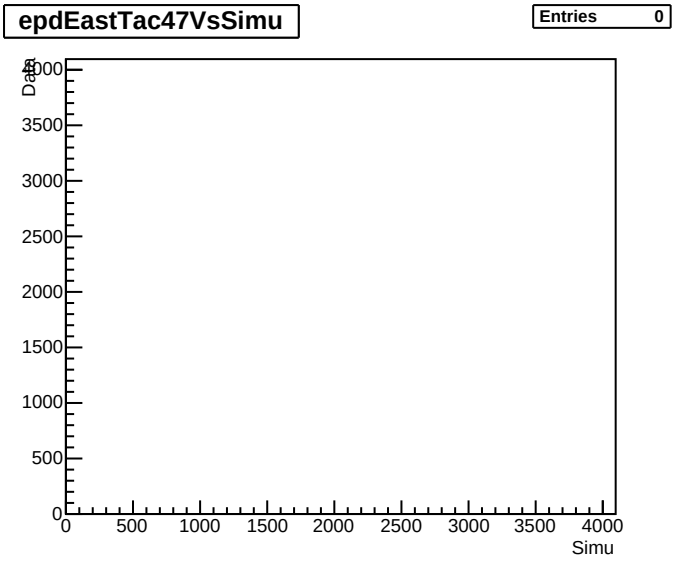
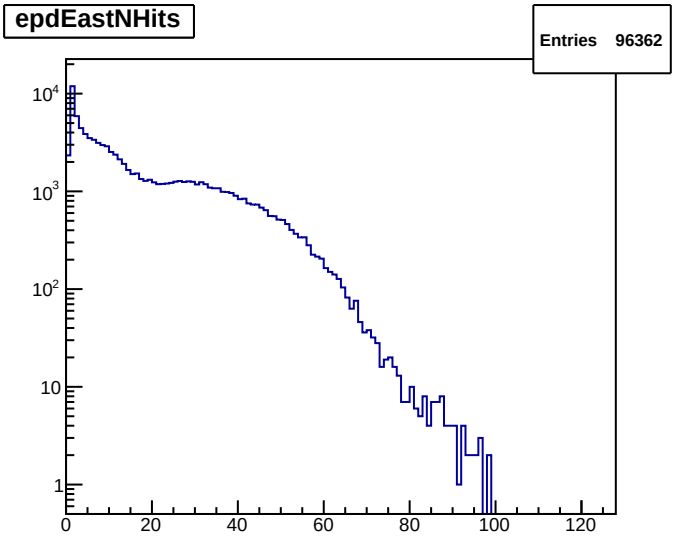
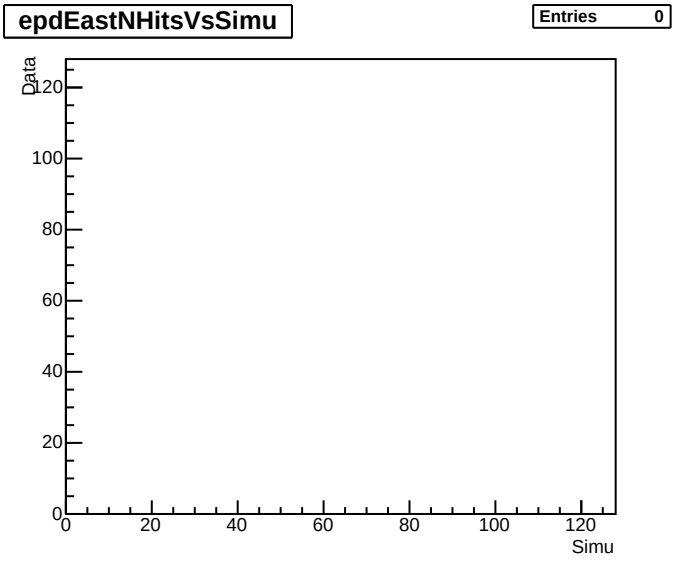
Entries 0
Data
Simu


epdEastTac47
Entries 96362


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 96362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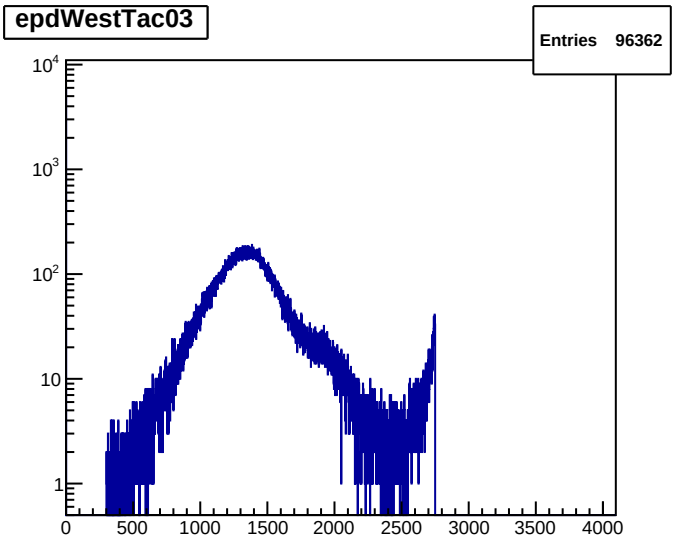
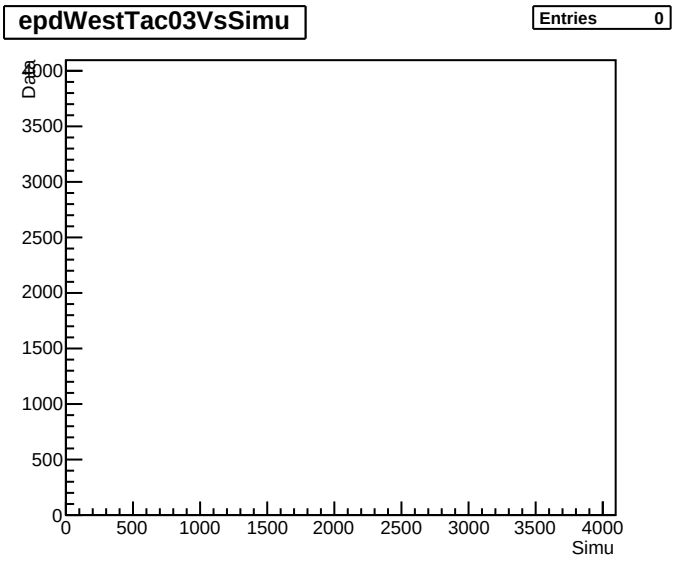
Data
Simu


epdWestTac03
Entries 96362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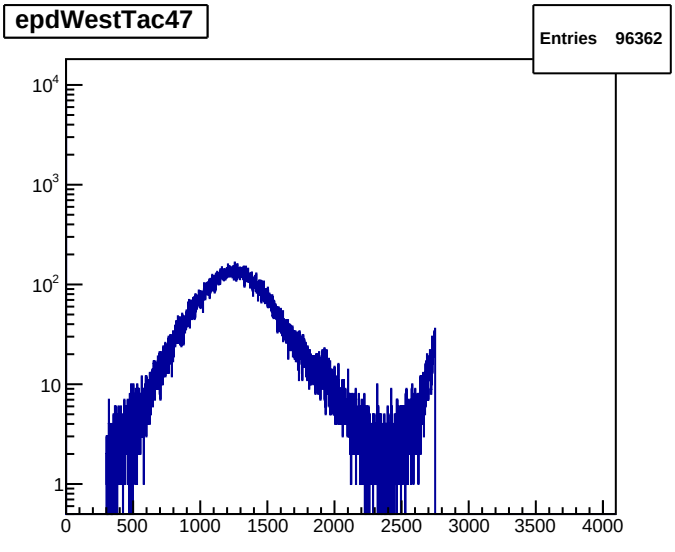
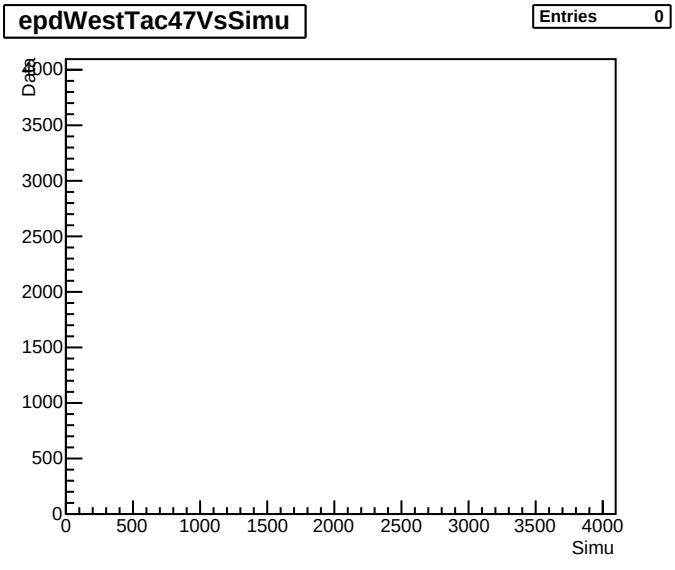
Entries 0
Data
Simu


epdWestTac47
Entries 96362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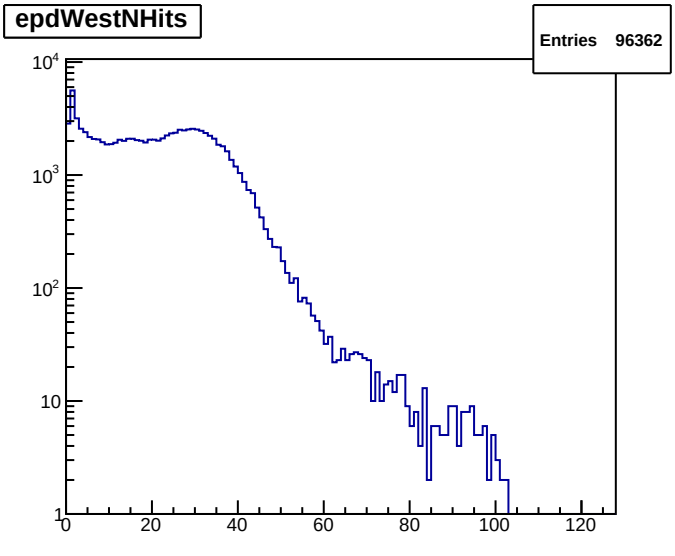
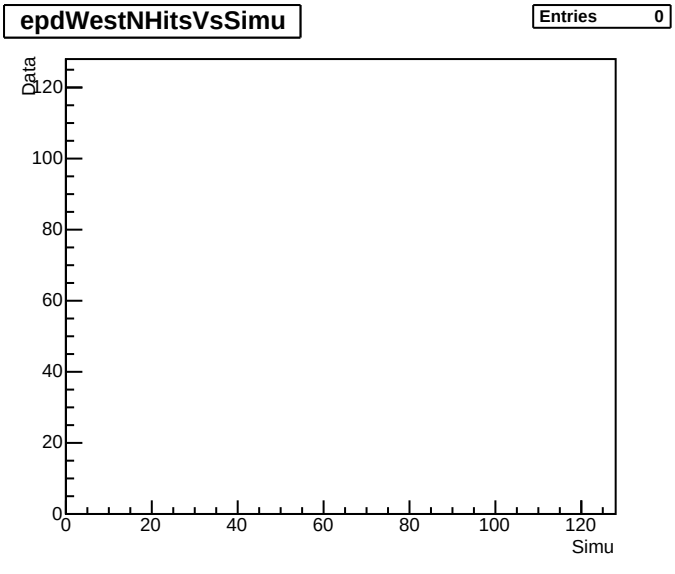
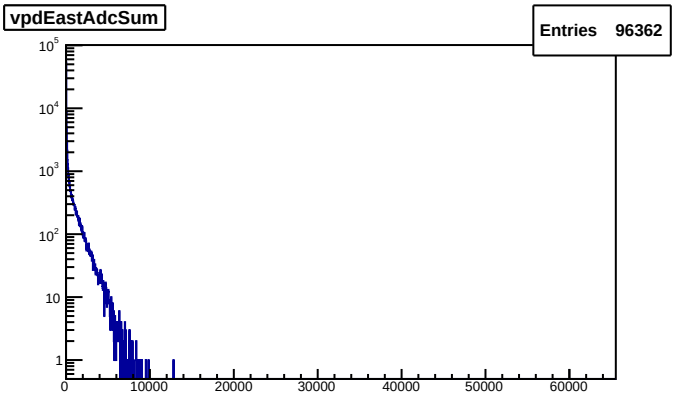
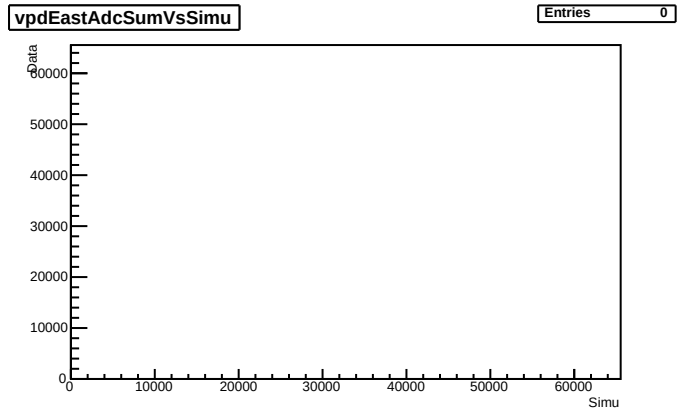
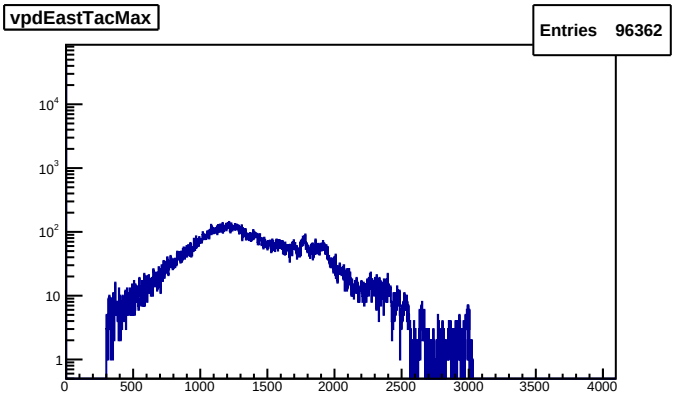
Entries 0
Data
Simu

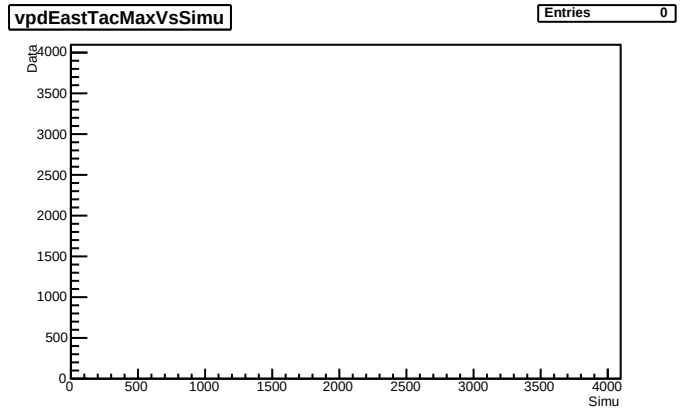

epdWestNHits
Entries 96362

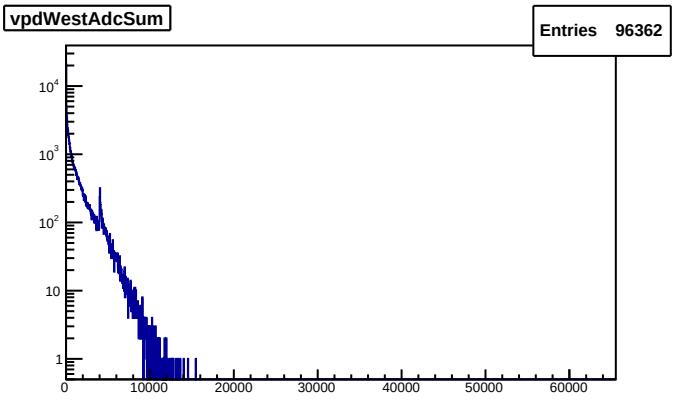

epdWestNHitsVsSimu
Entries 0
Data
Simu

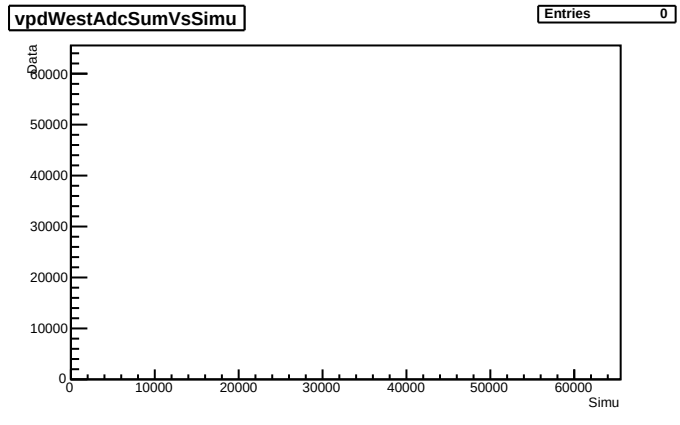

vpdEastAdcSum
Entries 96362


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 96362


vpdEastTacMaxVsSimu
Entries 0
Data
Simu


vpdWestAdcSum
Entries 96362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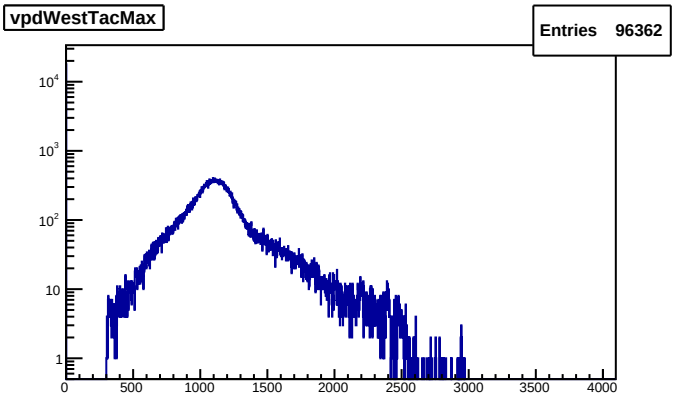
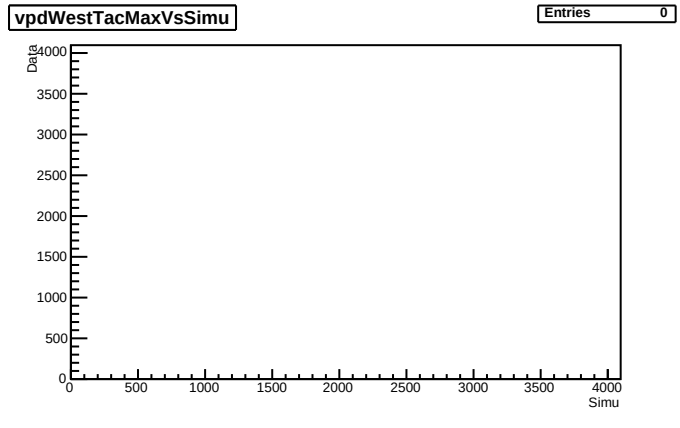
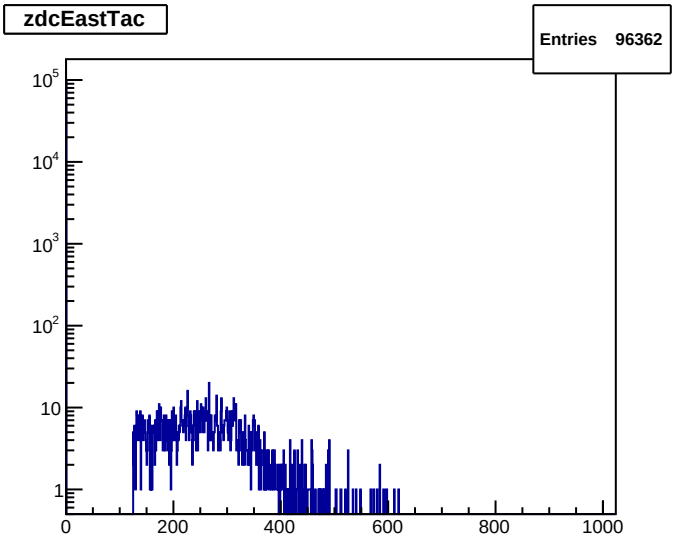
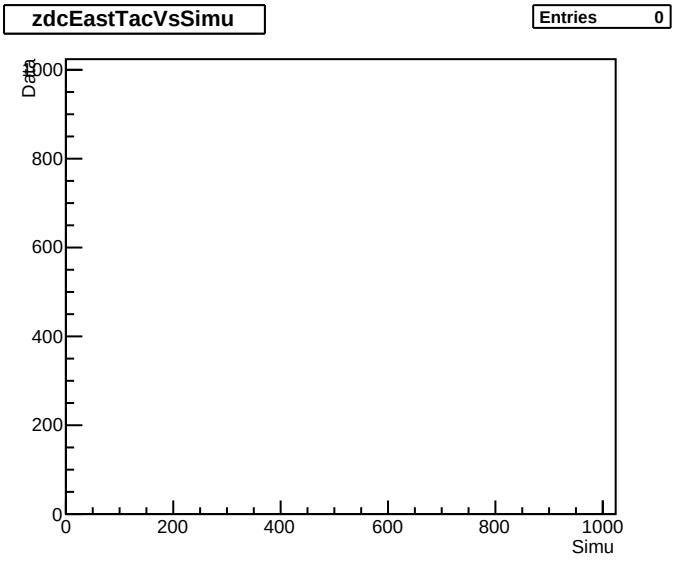
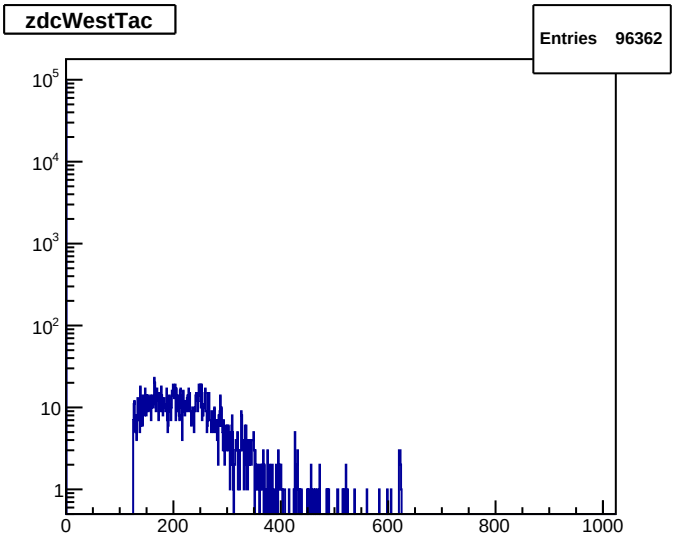
Entries 0
Data
Simu

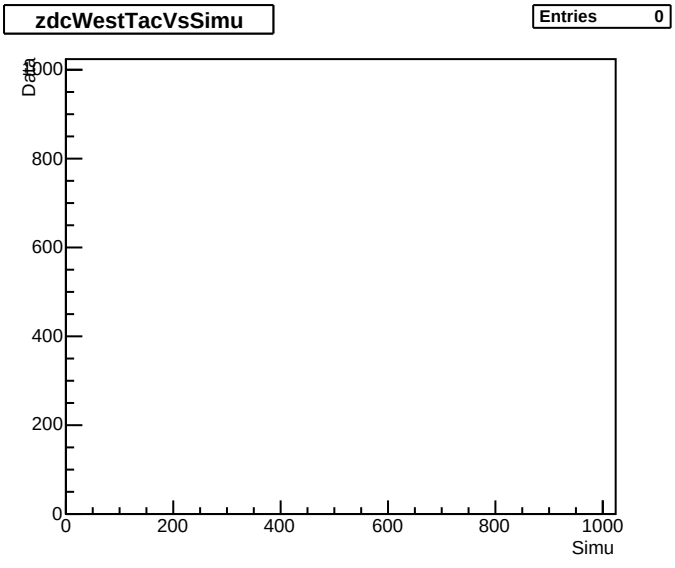

vpdWestTacMax
Entries 96362

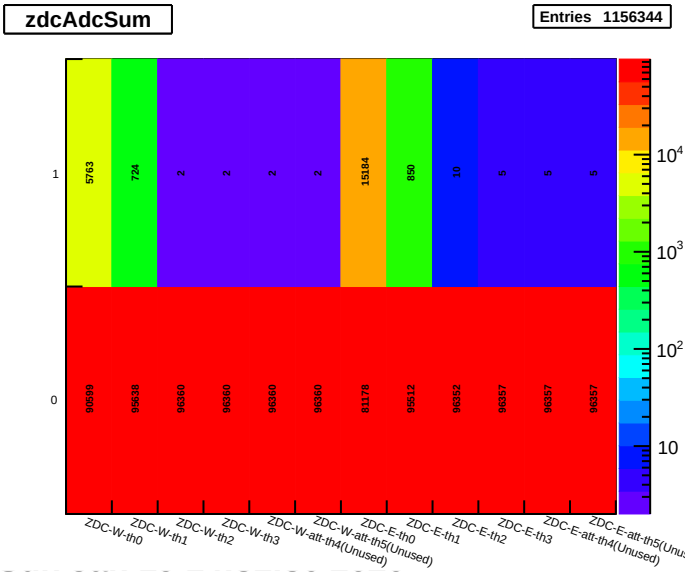

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

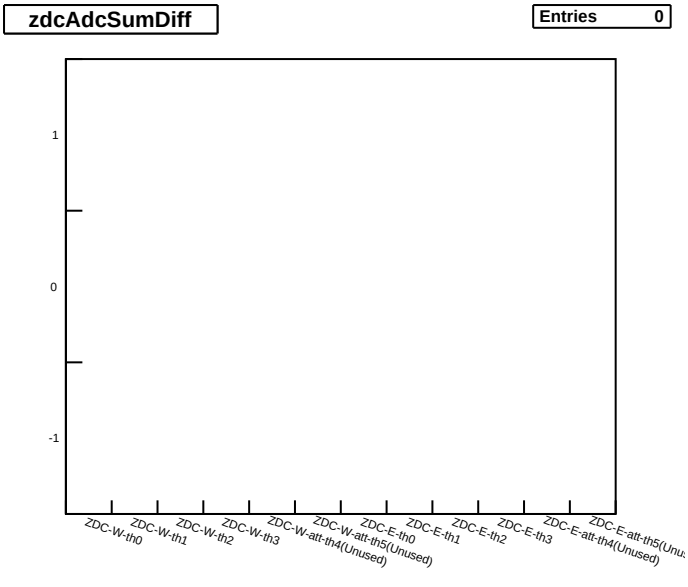

zdcEastTac
Entries 96362
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

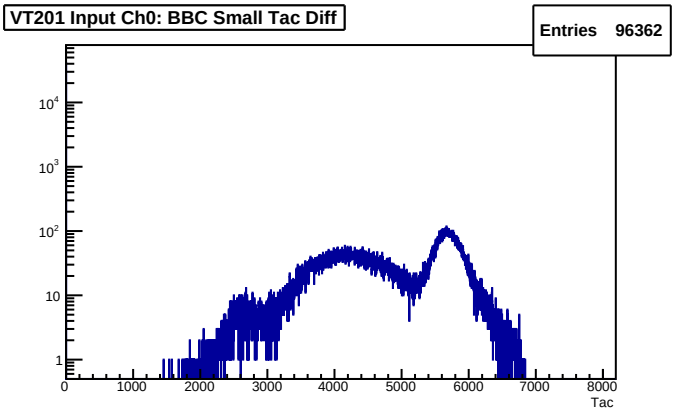

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

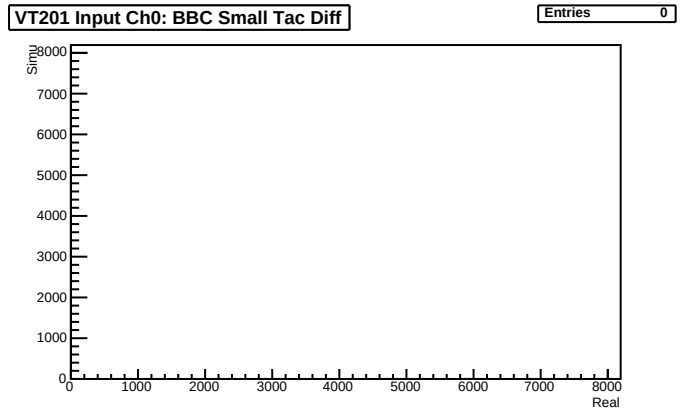

zdcWestTac
Entries 96362
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

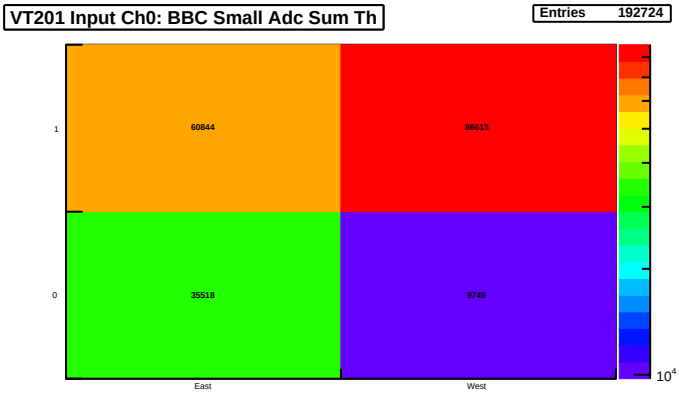

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

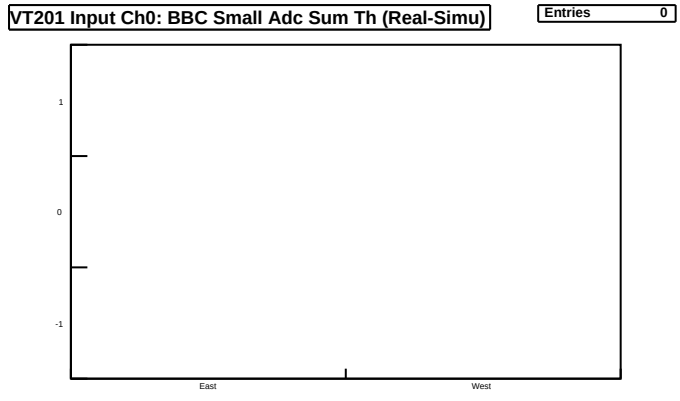

zdcAdcSum
Entries 1156344
1
0
5763
724
2
2
2
2
15184
850
10
5
5
5
90599
95638
96360
96360
96360
96360
81178
95512
96352
96357
96357
96357
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

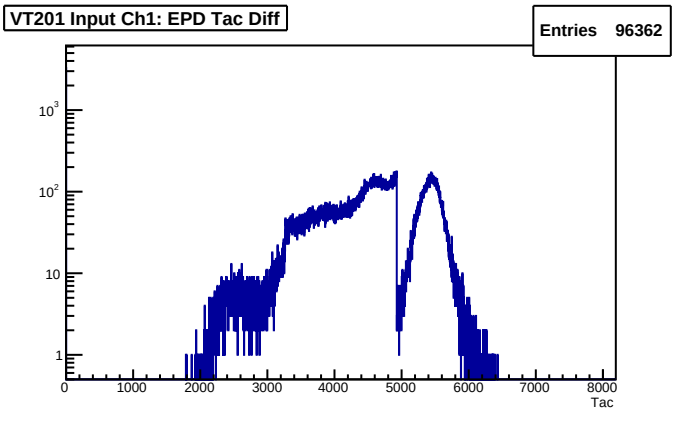

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

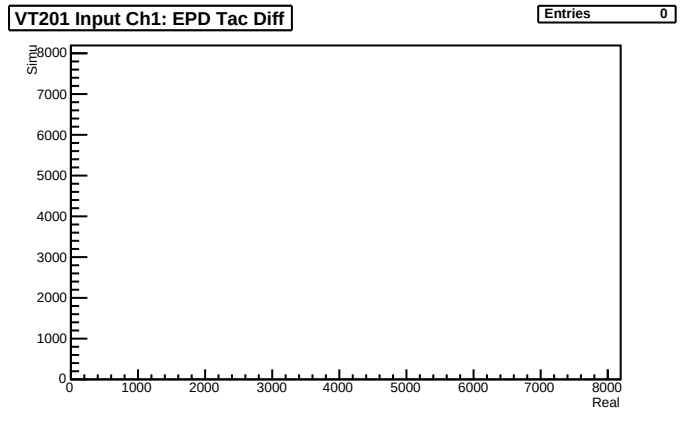

VT201 Input Ch0: BBC Small Tac Diff
Entries 96362
Tac

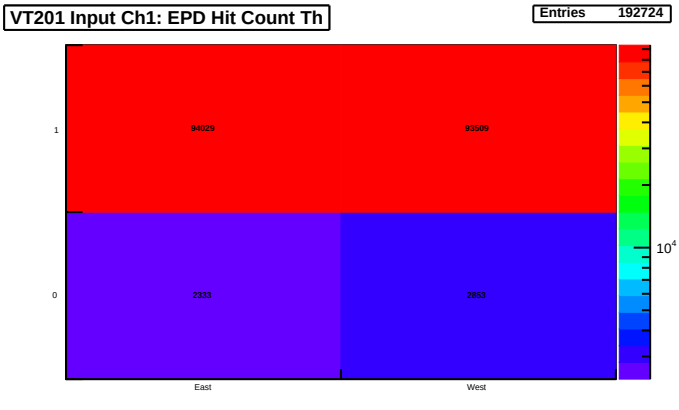

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

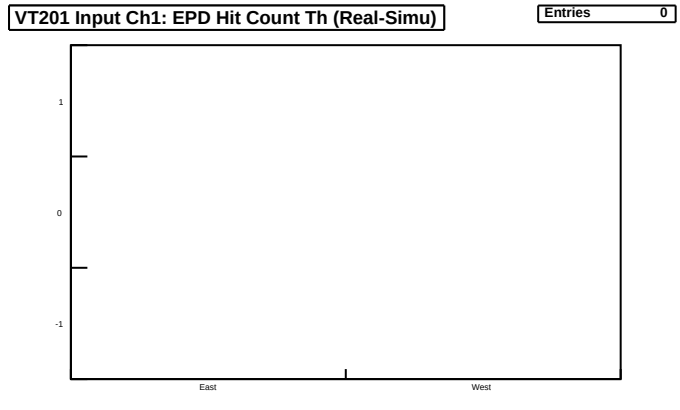

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 192724
60844
86613
35518
9749
East
West

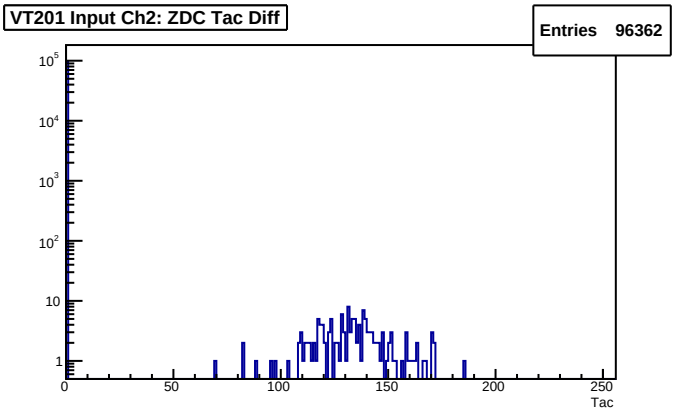

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

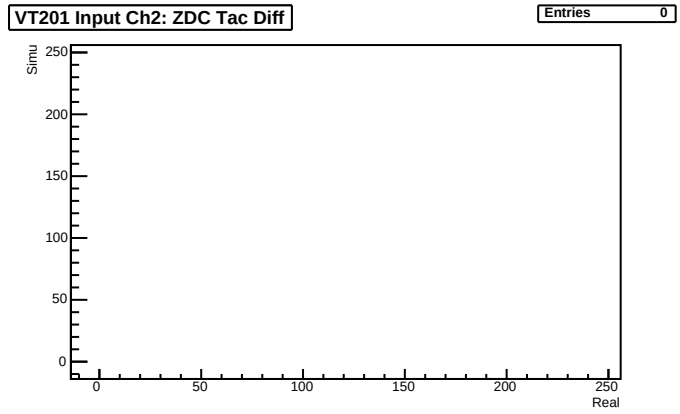

VT201 Input Ch1: EPD Tac Diff
Entries 96362
Tac

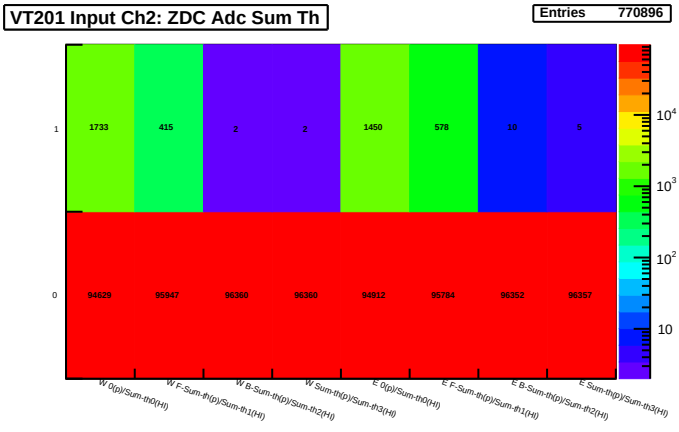

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

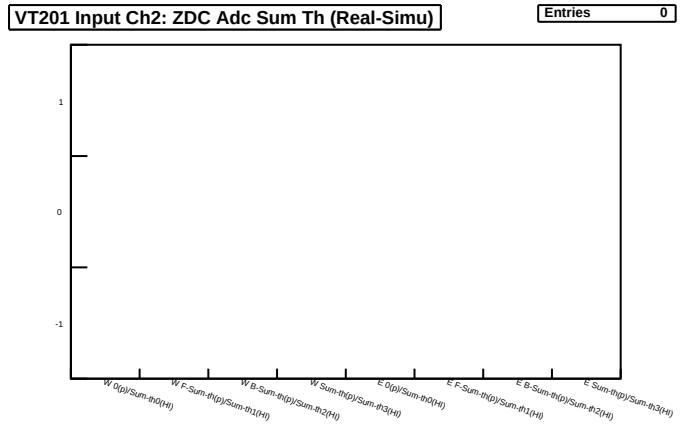

VT201 Input Ch1: EPD Hit Count Th
Entries 192724
94029
93509
2333
2853
East
West

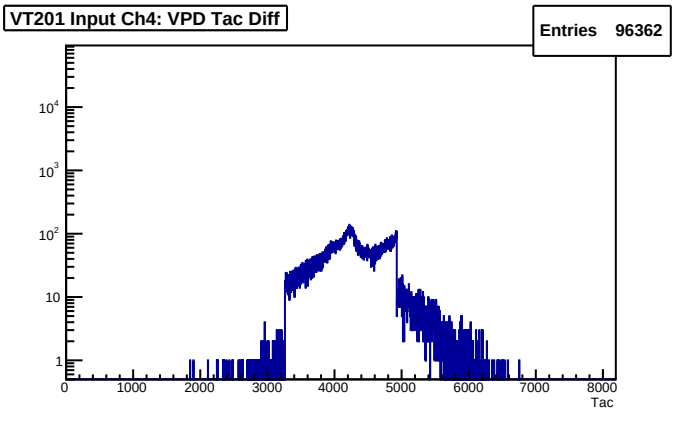

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

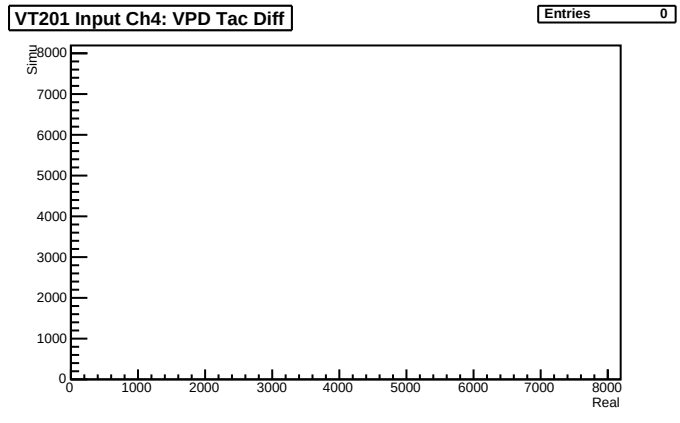

VT201 Input Ch2: ZDC Tac Diff
Entries 96362
Tac

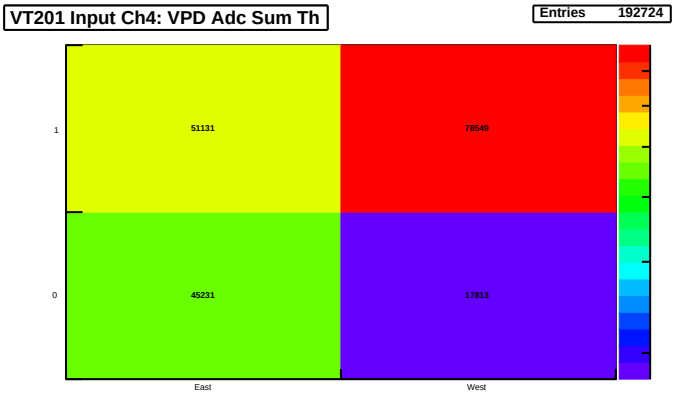

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

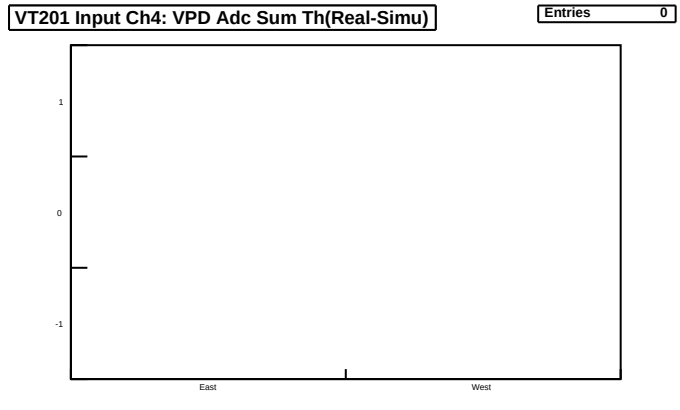

VT201 Input Ch2: ZDC Adc Sum Th
Entries 770896
1733
415
2
2
1450
578
10
5
94629
95947
96360
96360
94912
95784
96352
96357
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

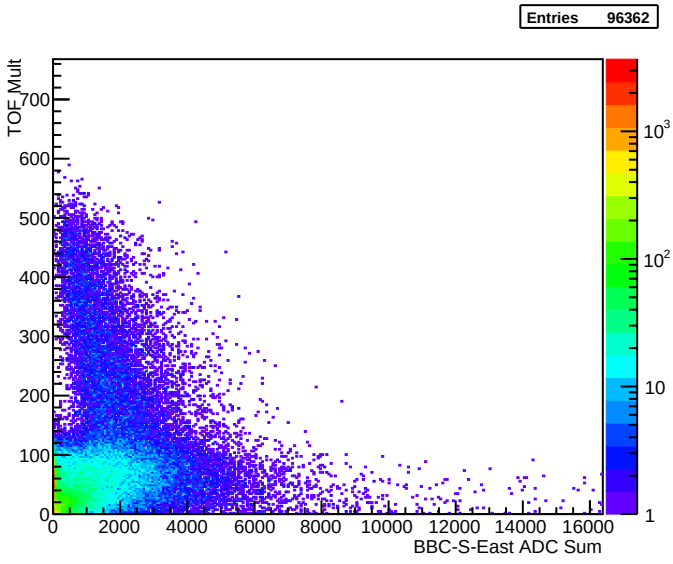

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

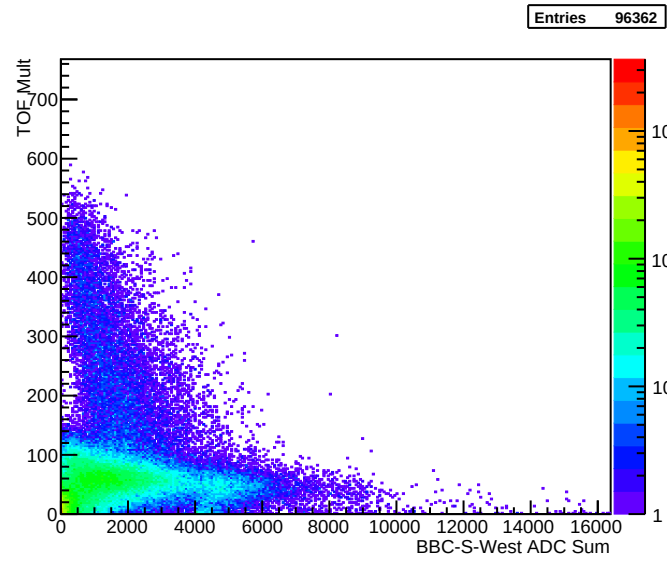

VT201 Input Ch4: VPD Tac Diff
Entries 96362
Tac

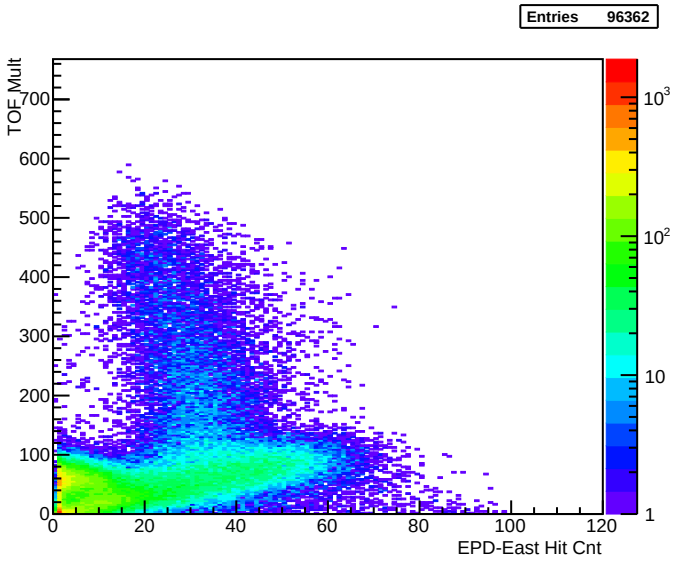

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

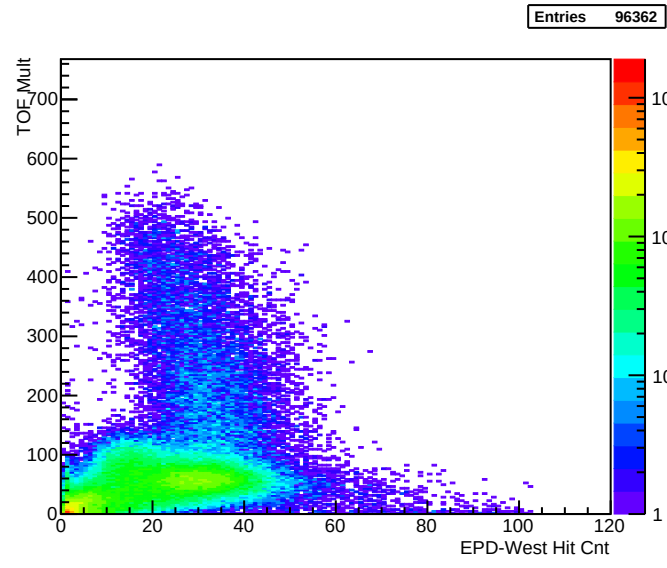

VT201 Input Ch4: VPD Adc Sum Th
Entries 192724
51131
78549
45231
17813
East
West

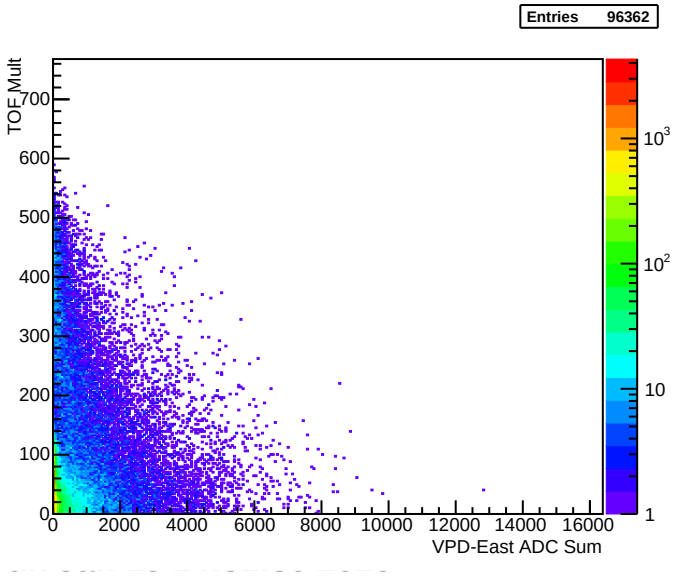

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

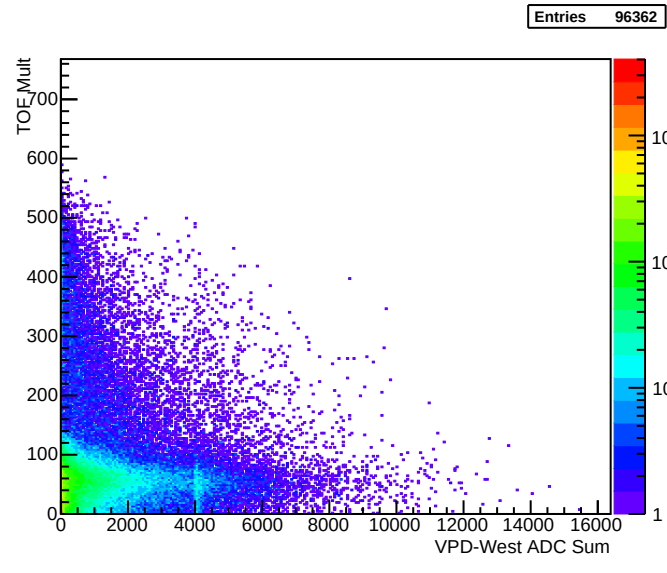

Entries 96362
TOF_Mult
BBC-S-East ADC Sum

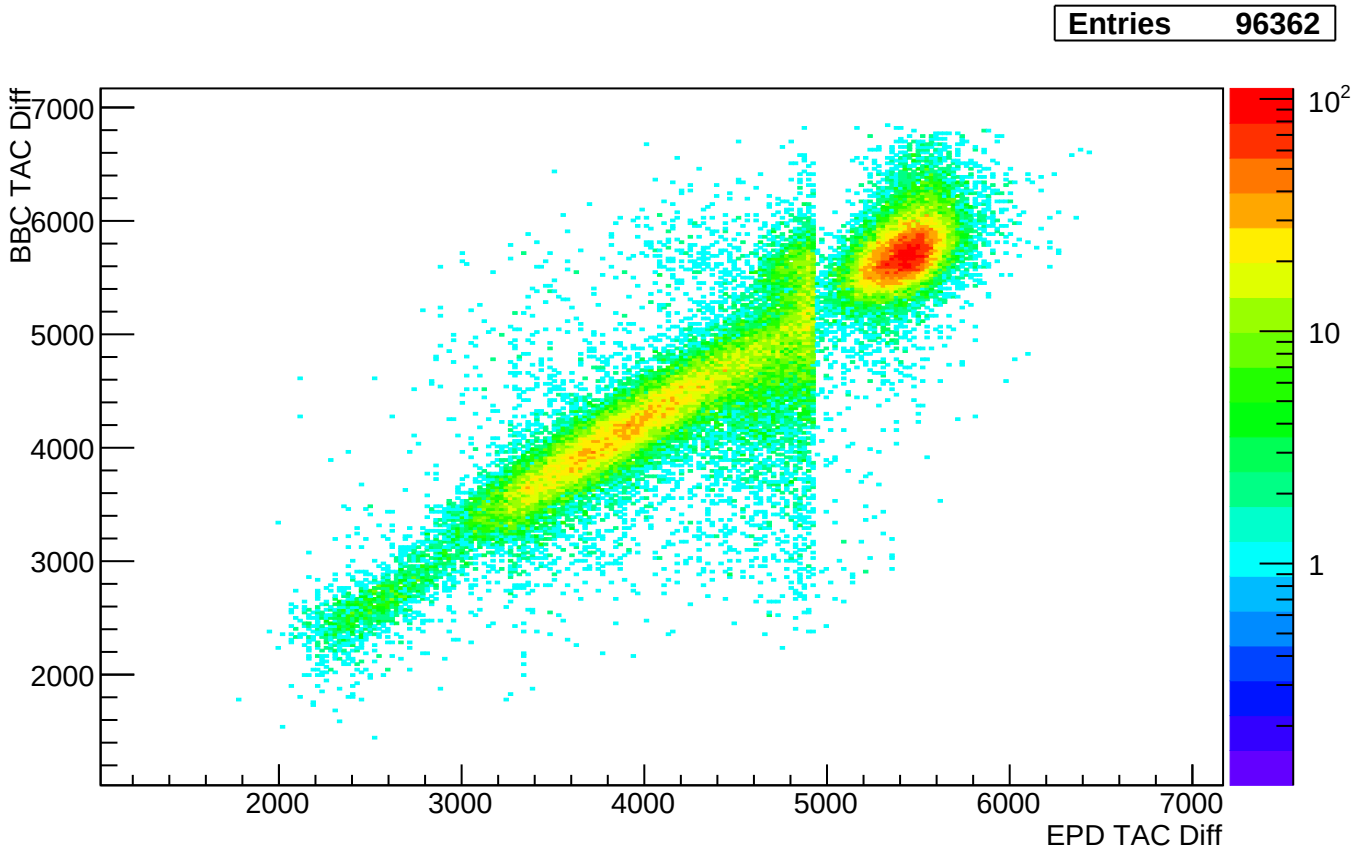

Entries 96362
TOF_Mult
BBC-S-West ADC Sum

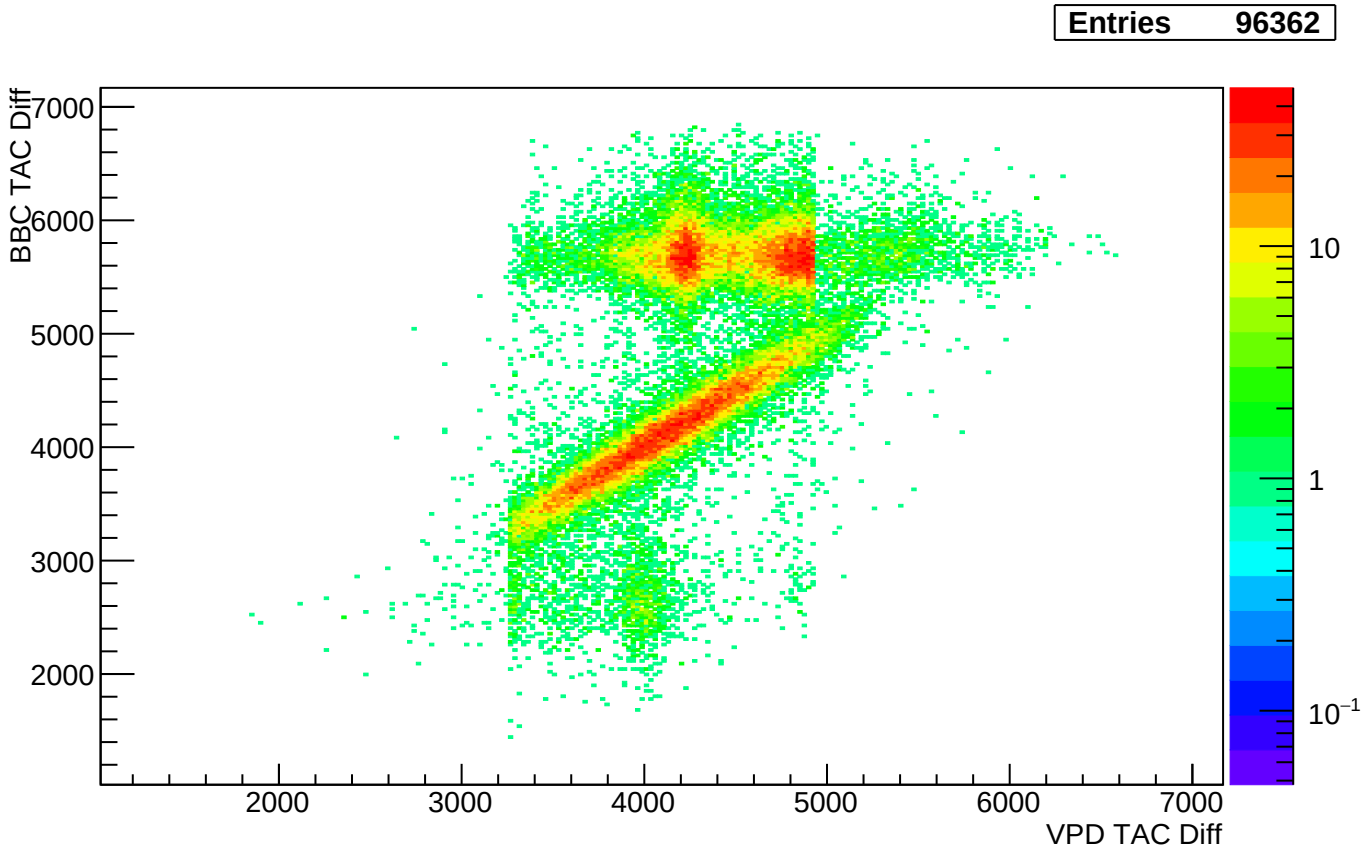

Entries 96362
TOF_Mult
EPD-East Hit Cnt

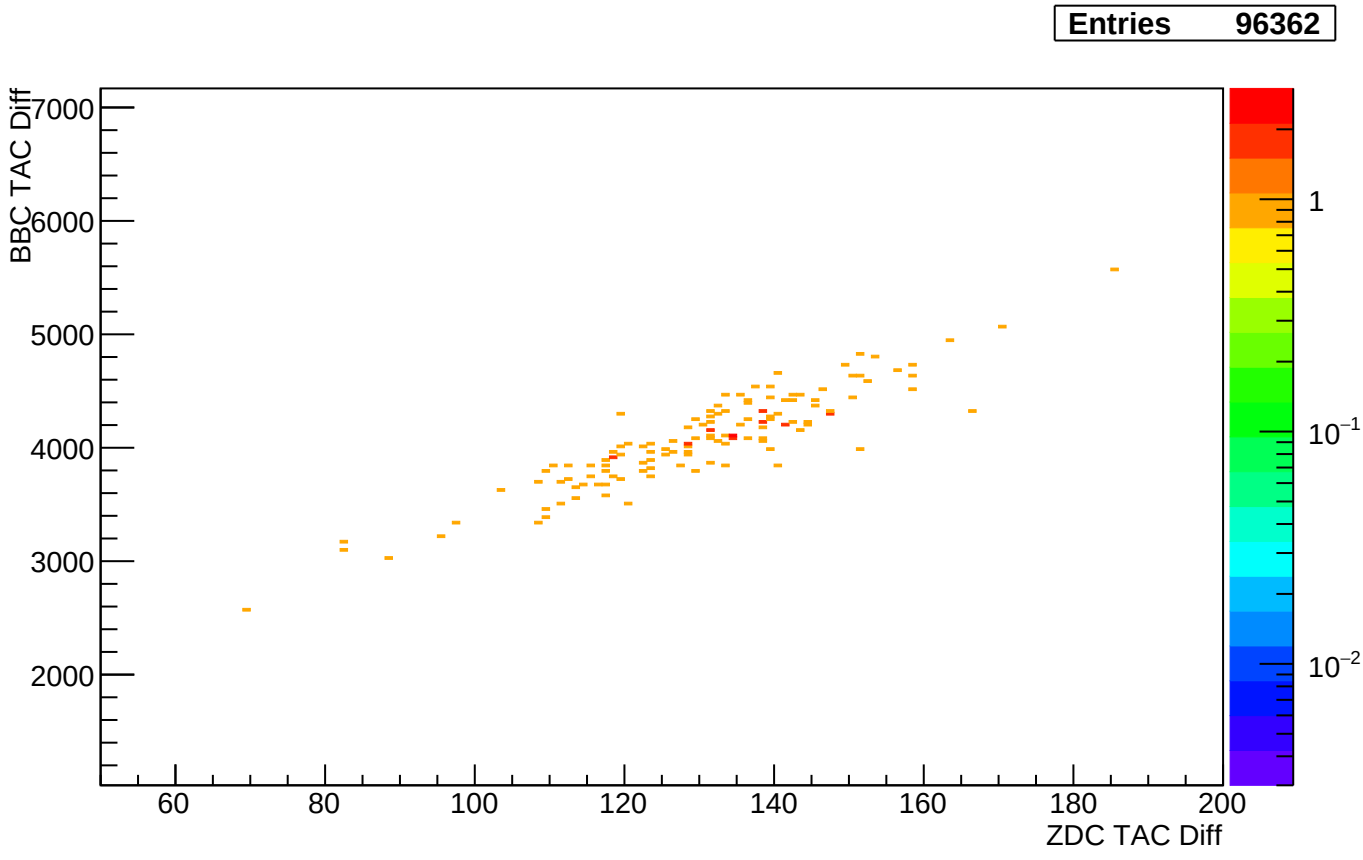

Entries 96362
TOF_Mult
EPD-West Hit Cnt

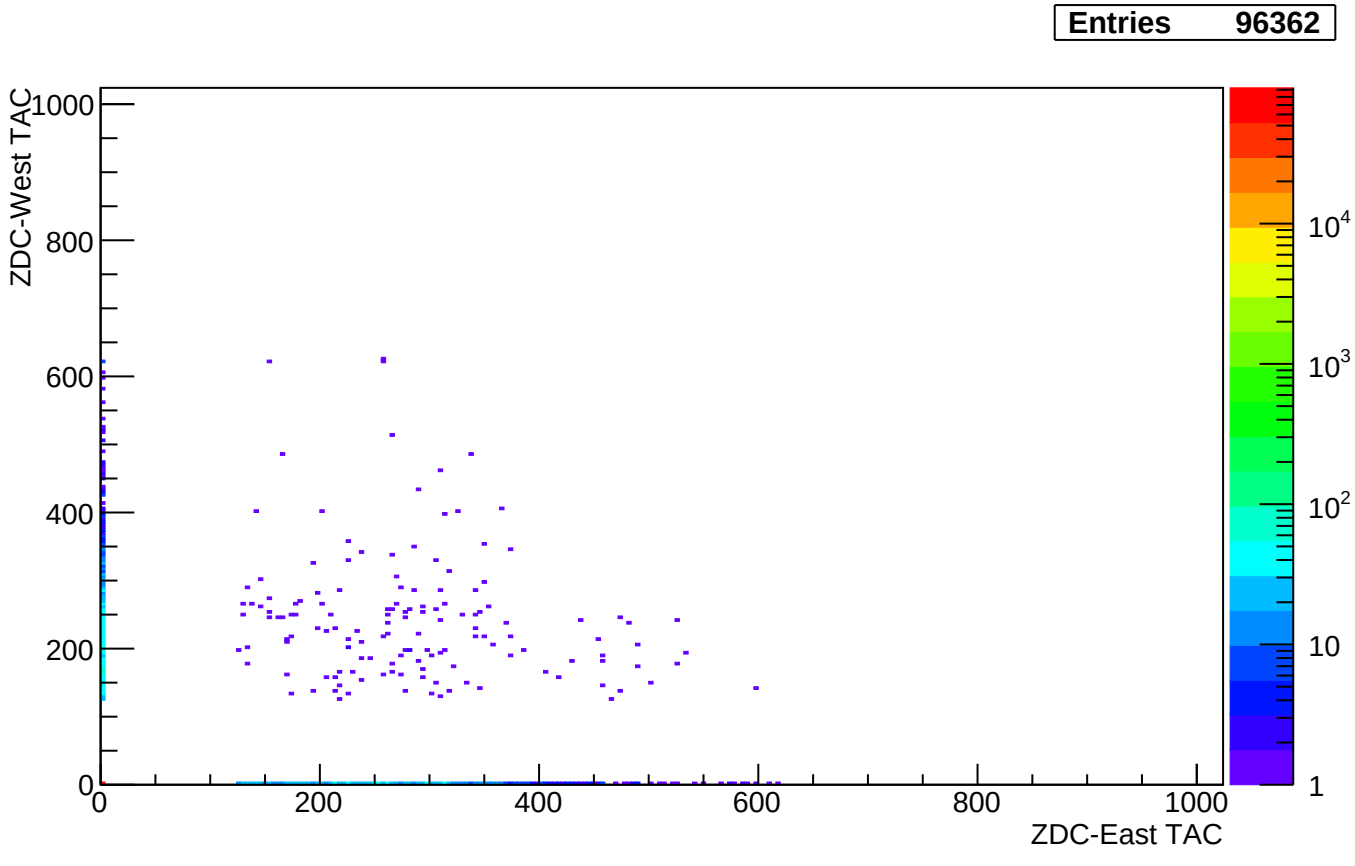

Entries 96362
TOF_Mult
VPD-East ADC Sum

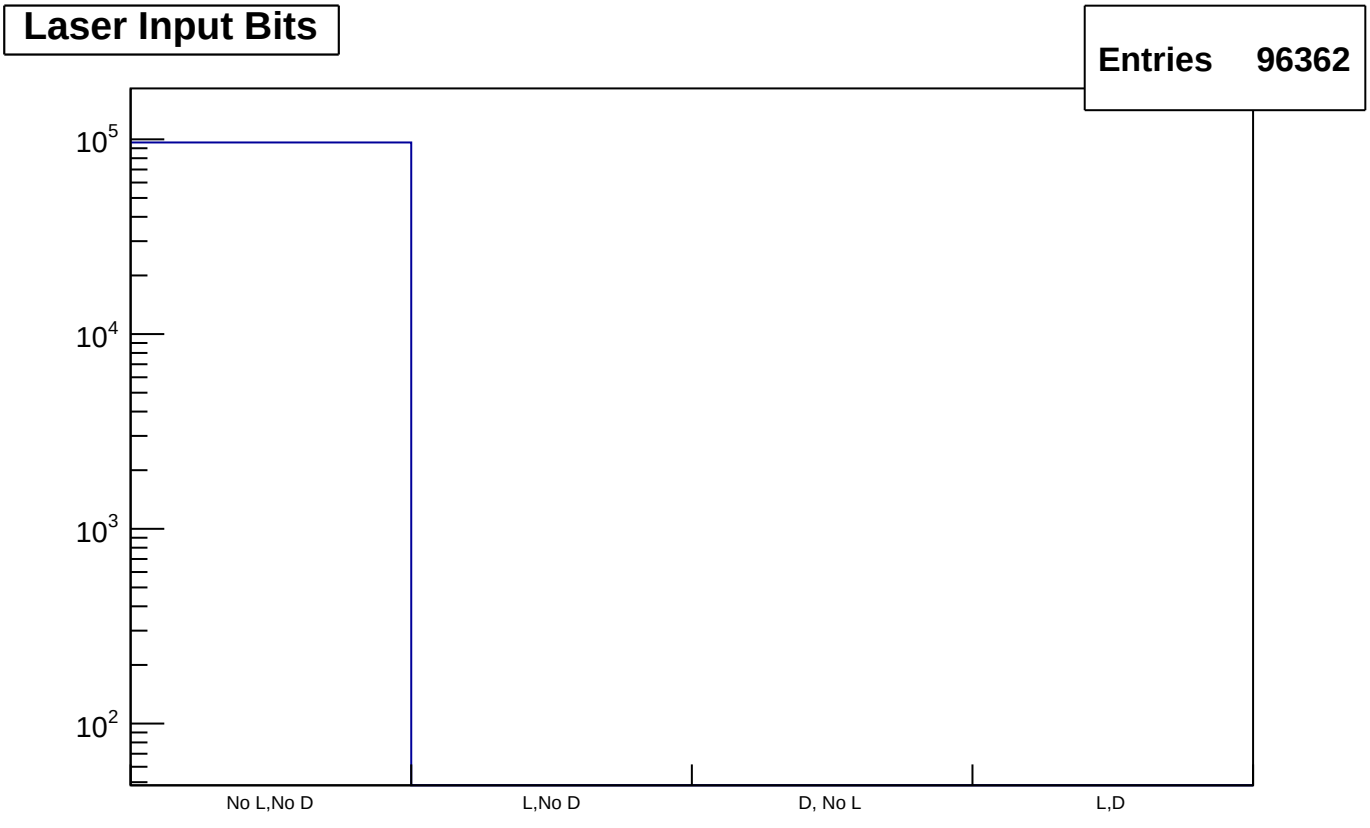

Entries 96362
TOF_Mult
VPD-West ADC Sum

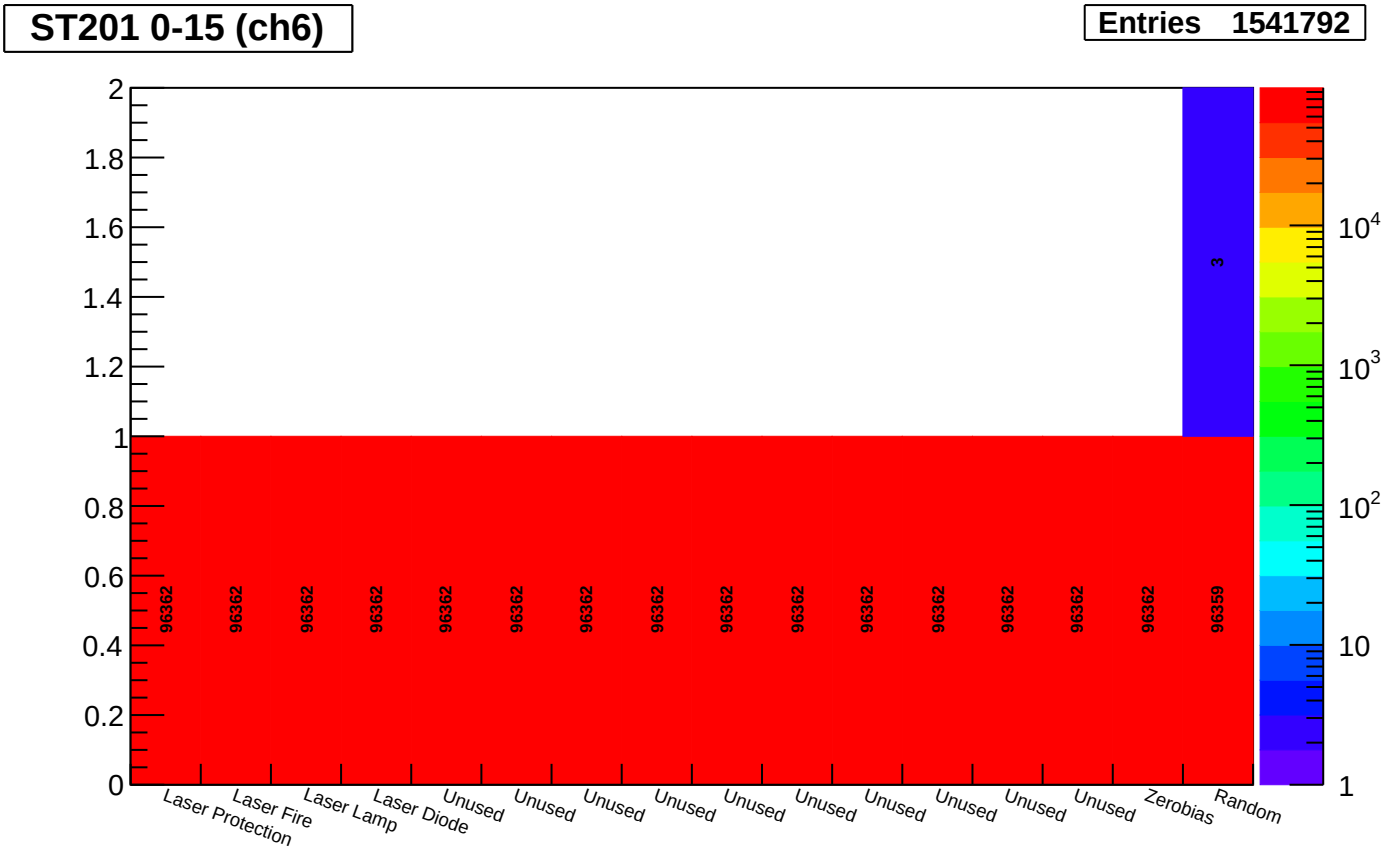

Entries 96362
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

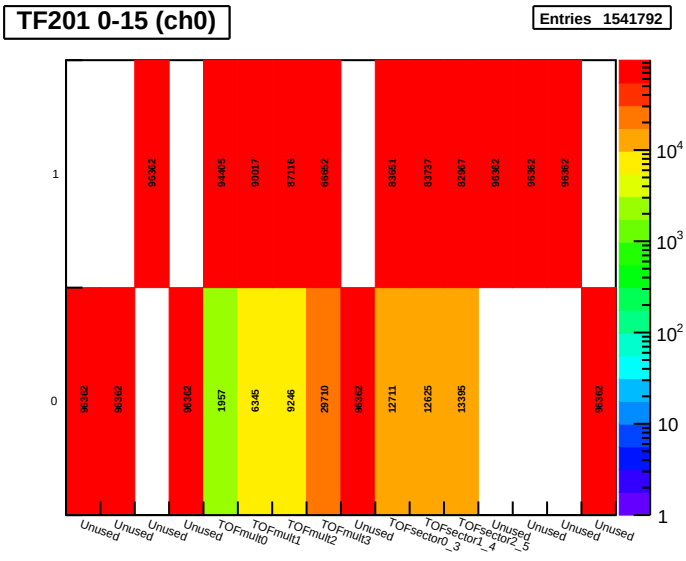

Entries 96362
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}

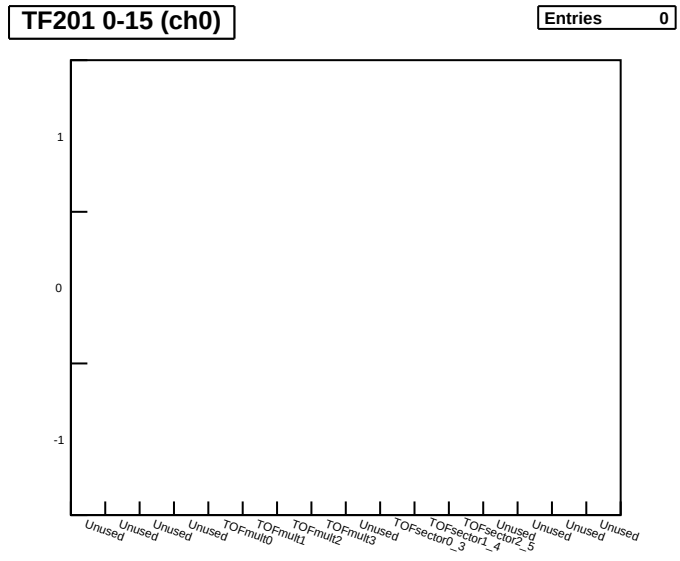

Entries 96362
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

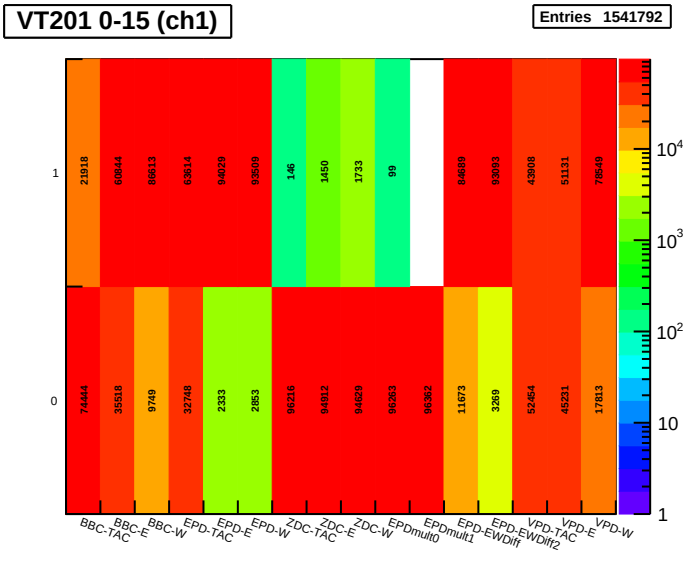

Entries 96362
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

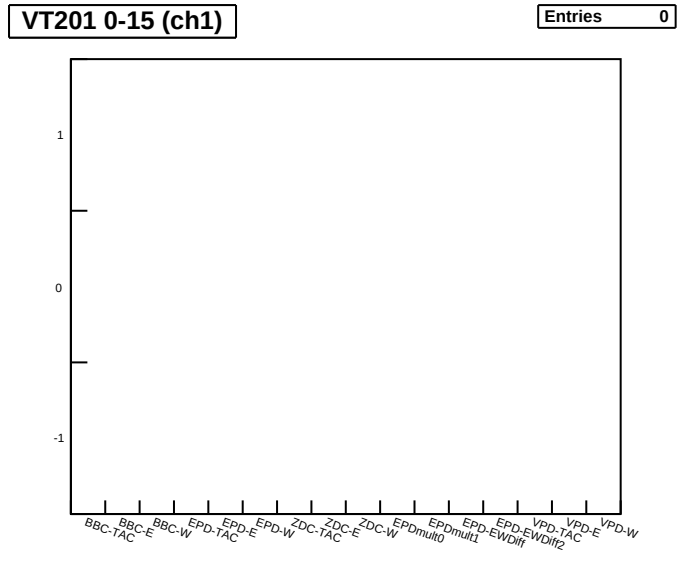

Laser Input Bits
Entries 96362
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

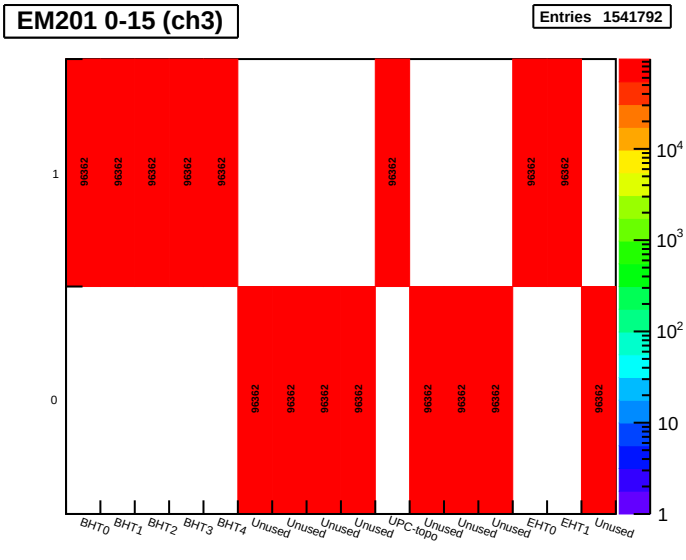

ST201 0-15 (ch6)
Entries 1541792
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^4
10^3
10^2
10
1
3
96362
96359
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

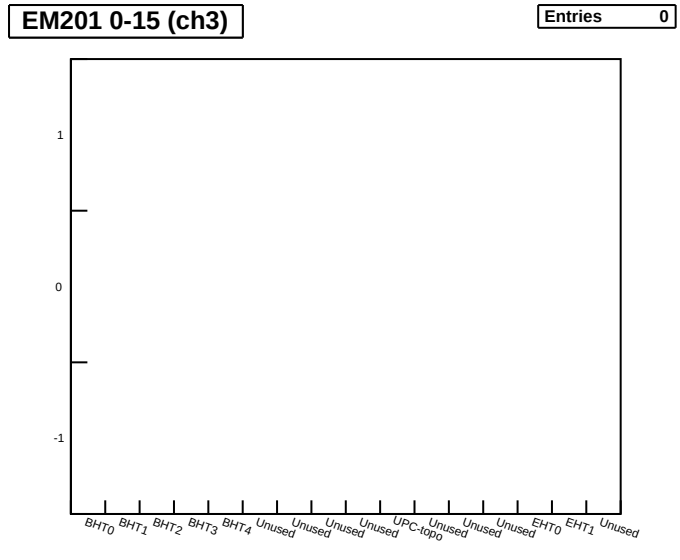

TF201 0-15 (ch0)
Entries 1541792
1
0
96362
94405
90017
87116
66652
83651
83737
82967
96362
96362
96362
96362
96362
96362
1957
6345
9246
29710
96362
12711
12625
13395
96362
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 1541792
1
0
21918
60844
86613
63614
94029
93609
146
1450
1733
99
84689
93093
43908
51131
78549
74444
35518
9749
32748
2333
2853
96216
94812
94629
96263
96362
11673
3269
52454
45231
17813
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
10^4
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 1541792
1
0
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
96362
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
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