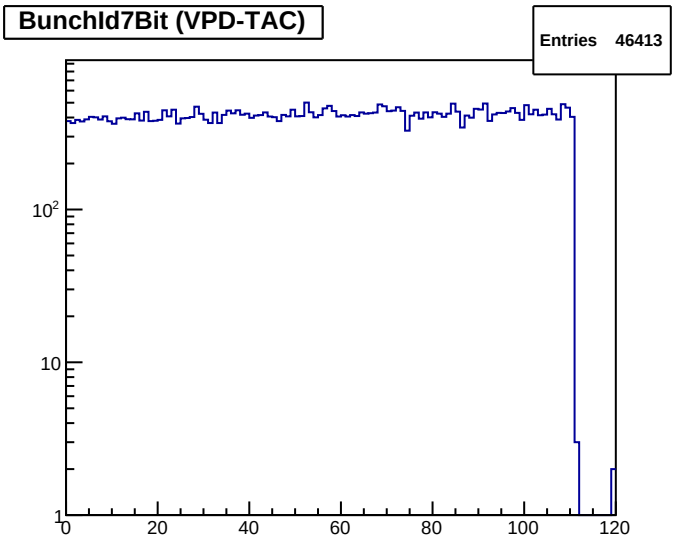
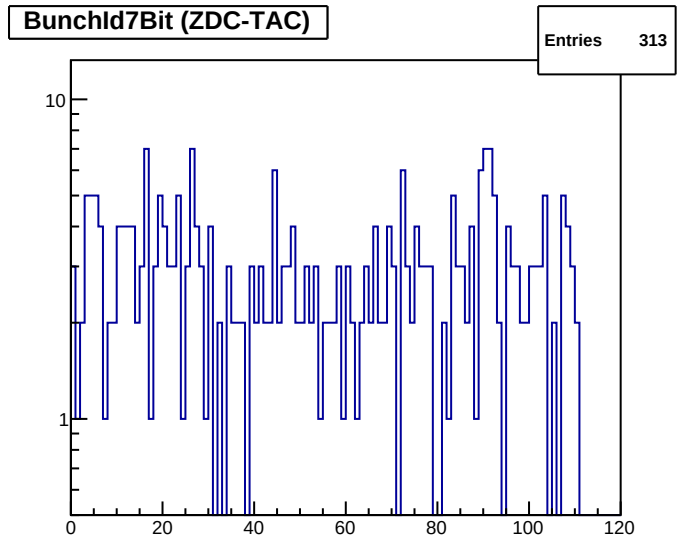
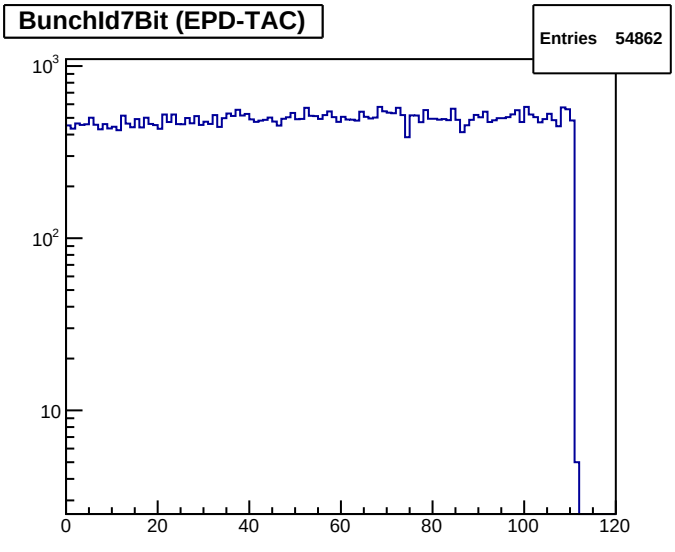
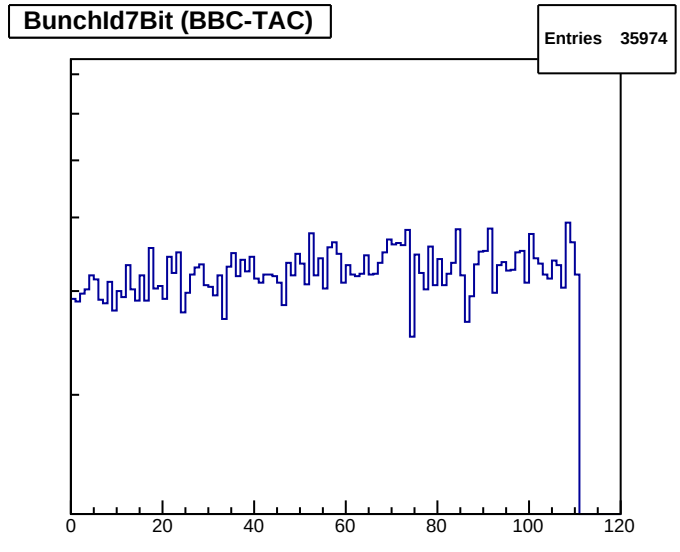
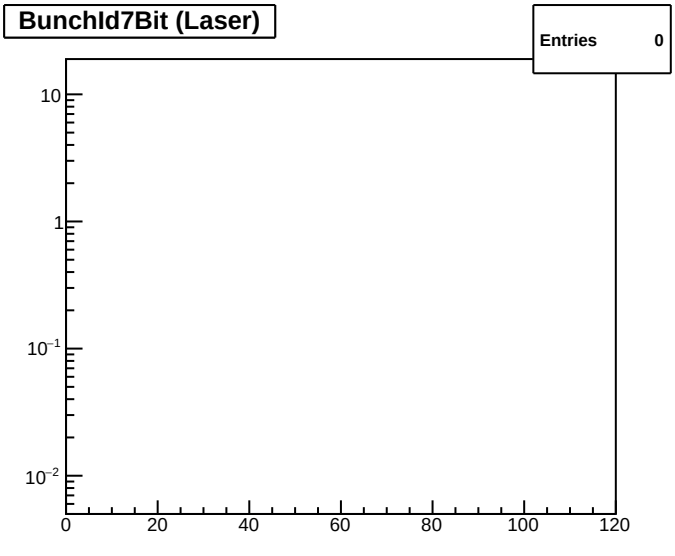
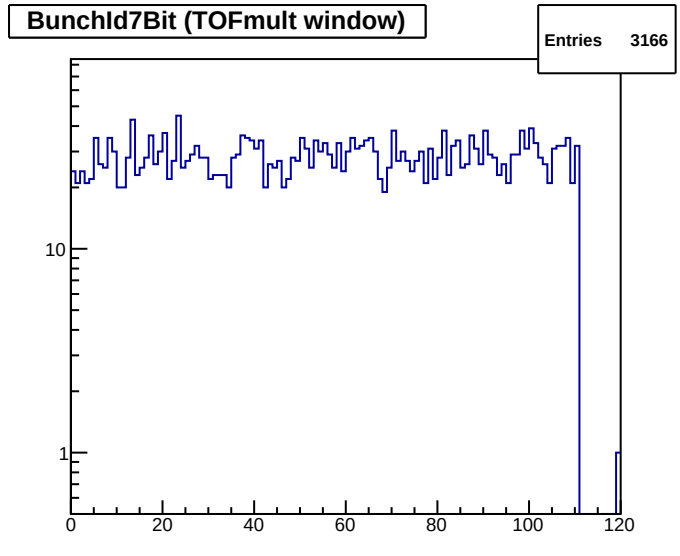

BunchId7Bit (VPD-TAC)
Entries 46413
10^2
10
1
0 20 40 60 80 100 120

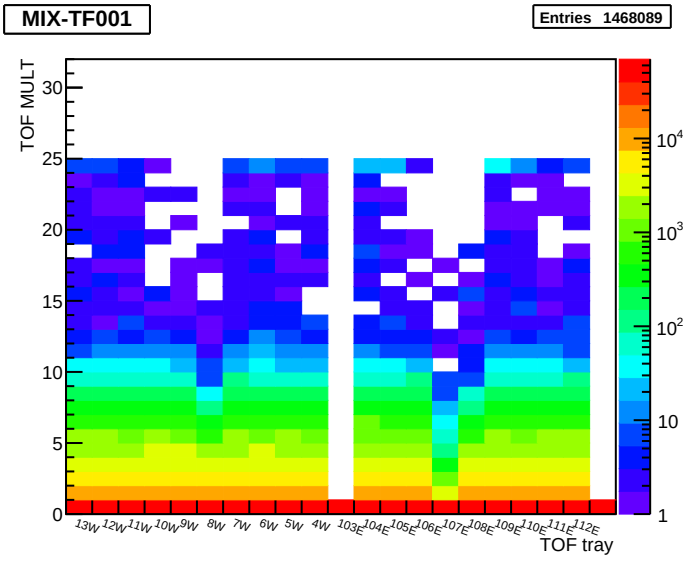

BunchId7Bit (ZDC-TAC)
Entries 313
10
1
0 20 40 60 80 100 120

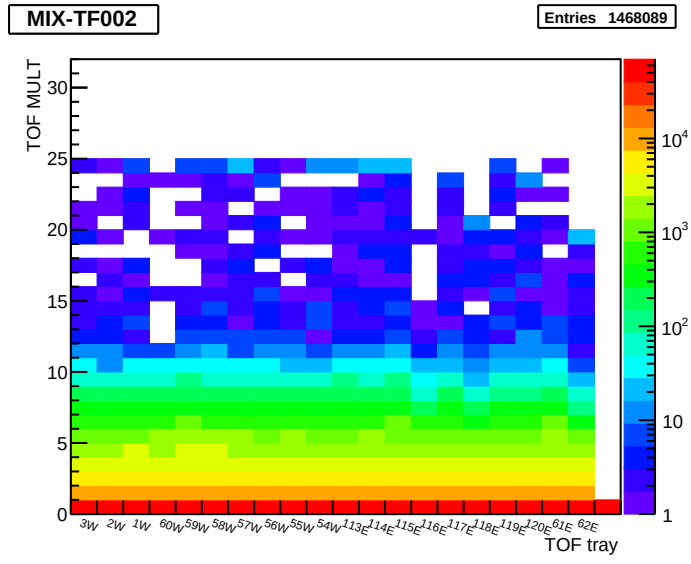

BunchId7Bit (EPD-TAC)
Entries 54862
10^3
10^2
10
0 20 40 60 80 100 120

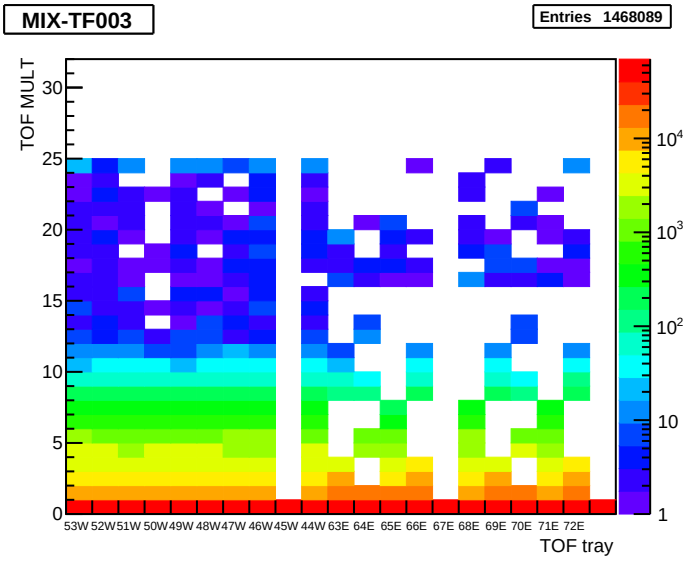

BunchId7Bit (BBC-TAC)
Entries 35974
0 20 40 60 80 100 120

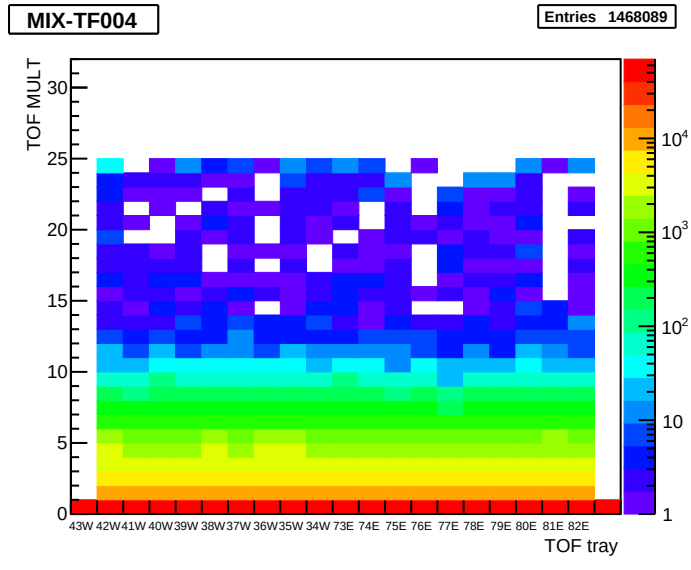

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

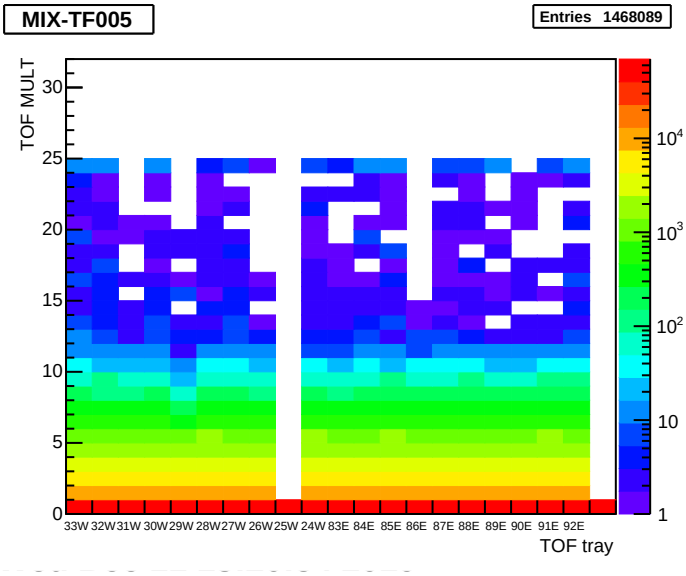

BunchId7Bit (TOFmult window)
Entries 3166
10
1
0 20 40 60 80 100 120

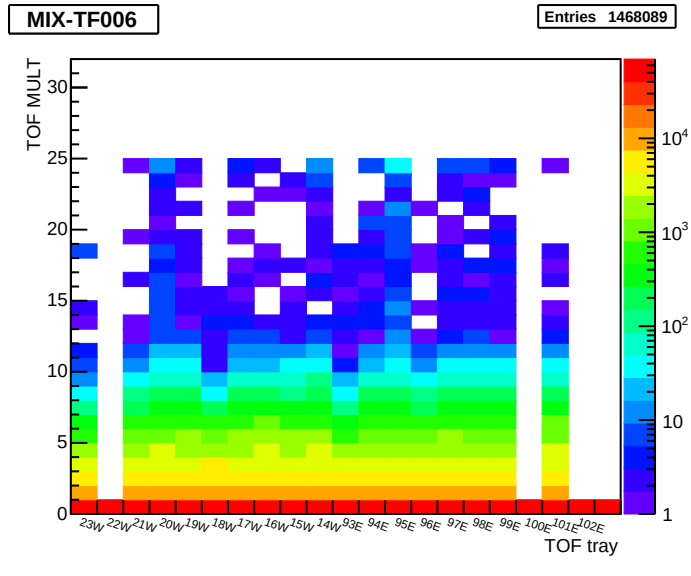

MIX-TF001
Entries 1468089
TOF MULT
TOF tray

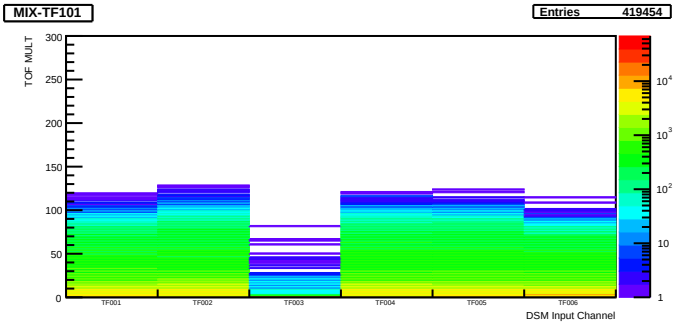

MIX-TF002
Entries 1468089
TOF MULT
TOF tray

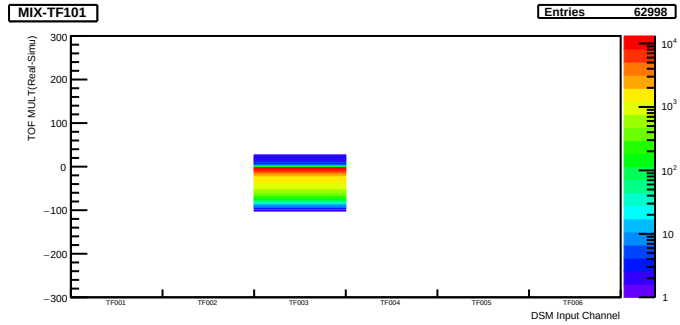

MIX-TF003
Entries 1468089
TOF MULT
TOF tray

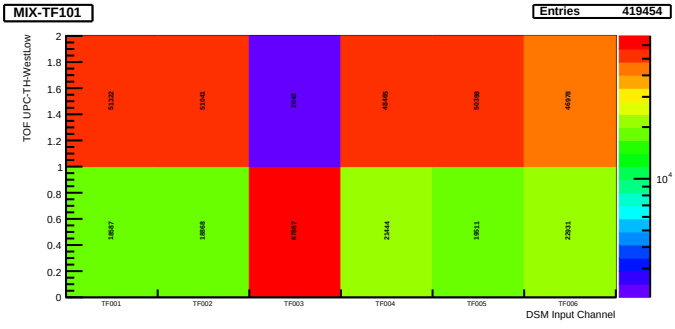

MIX-TF004
Entries 1468089
TOF MULT
TOF tray

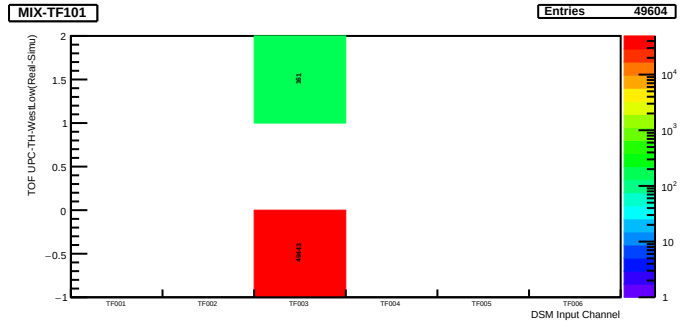

MIX-TF005
Entries 1468089
TOF MULT
TOF tray

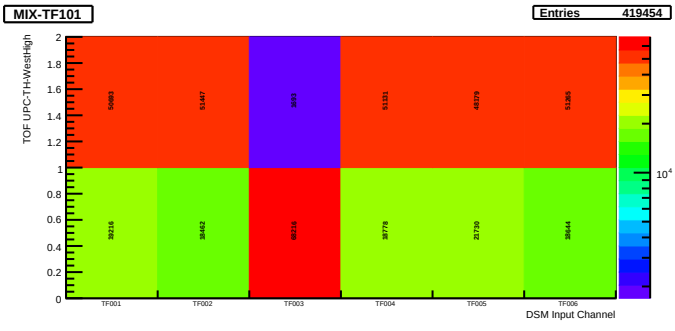

MIX-TF006
Entries 1468089
TOF MULT
TOF tray

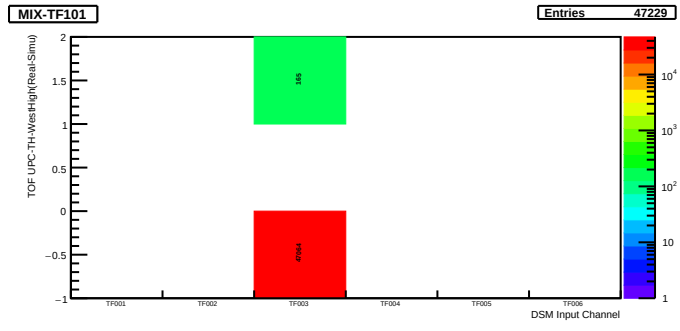

MIX-TF101
Entries 419454
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

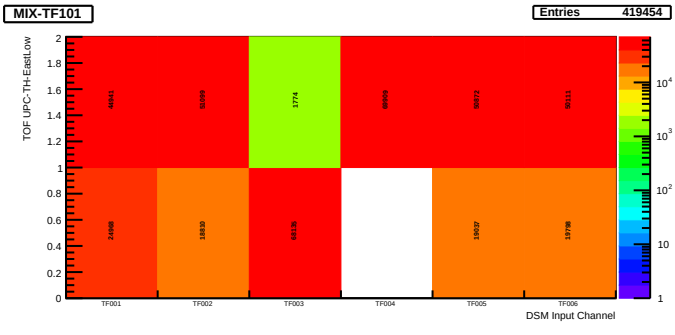

MIX-TF101
Entries 62998
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

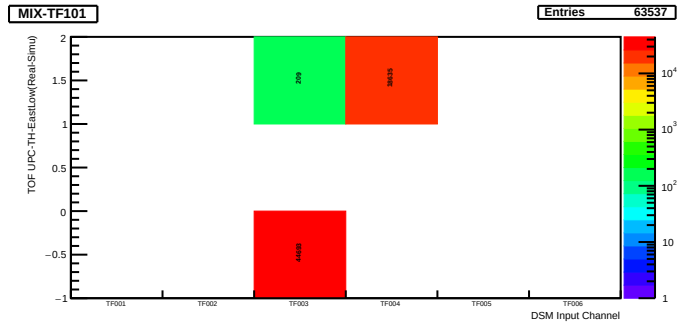

MIX-TF101
Entries 419454
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

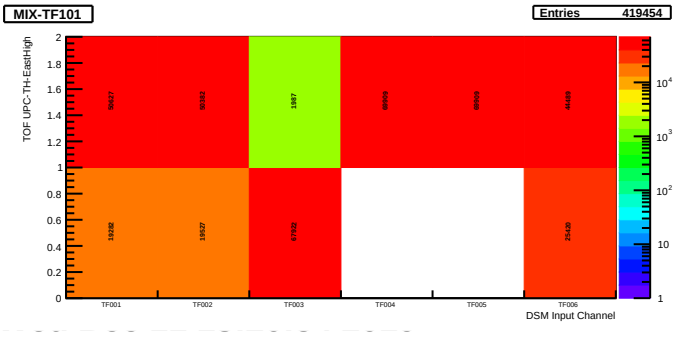

MIX-TF101
Entries 49604
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

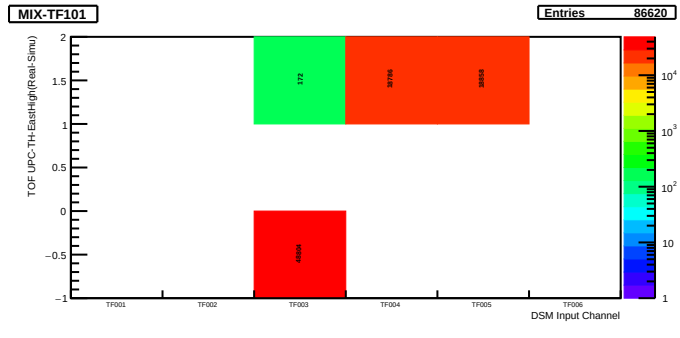

MIX-TF101
Entries 419454
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

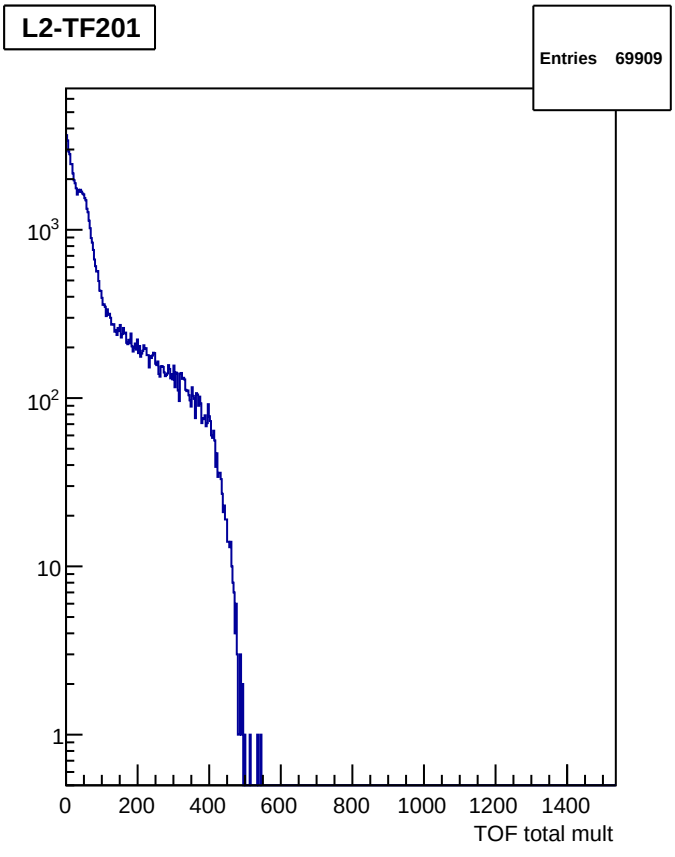

MIX-TF101
Entries 47229
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

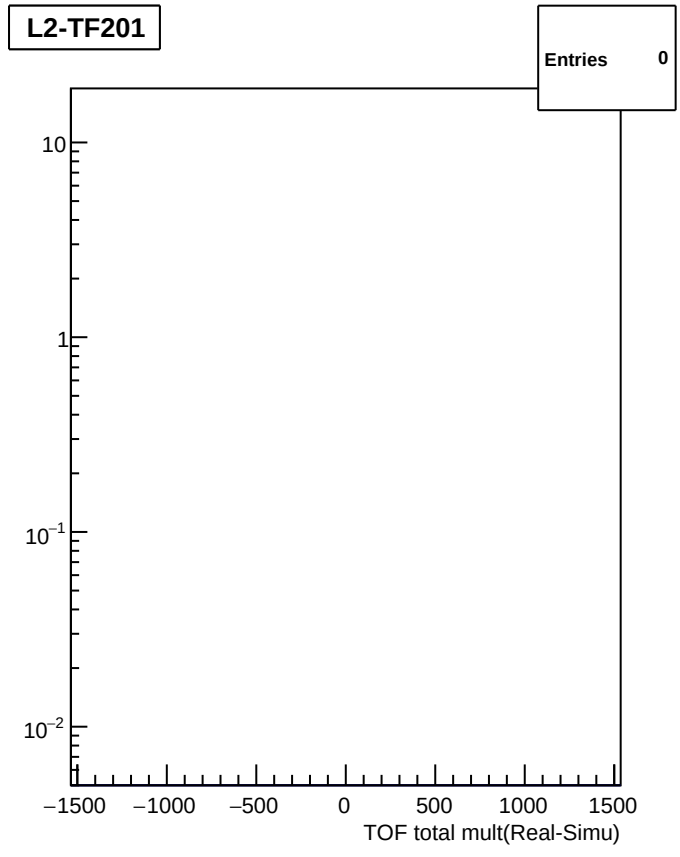

MIX-TF101
Entries 419454
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

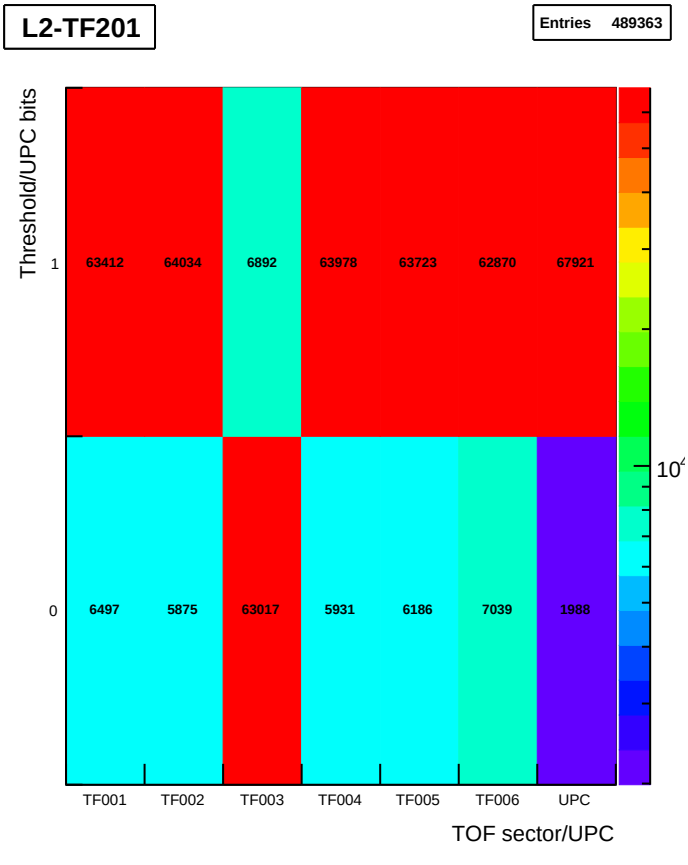

MIX-TF101
Entries 63537
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

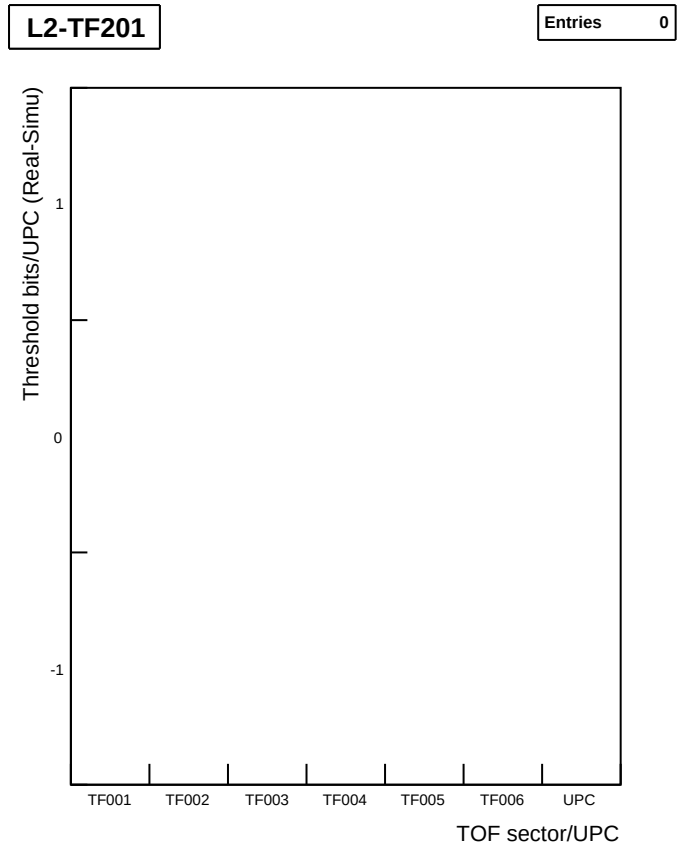

MIX-TF101
Entries 419454
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

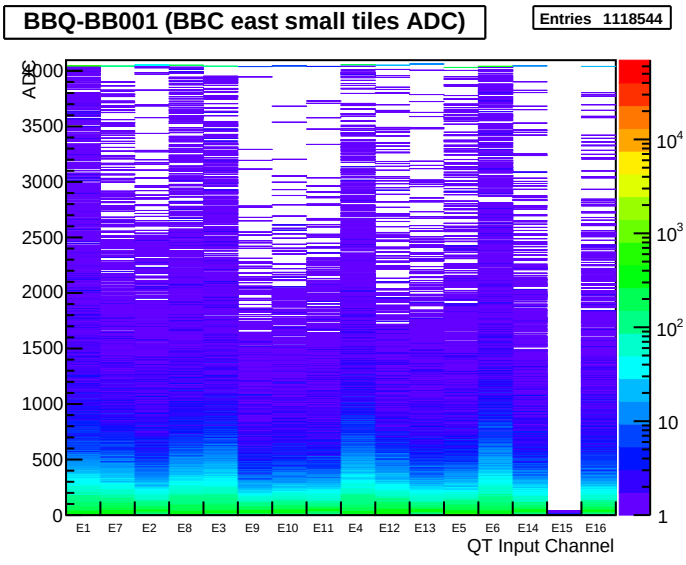

MIX-TF101
Entries 86620
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

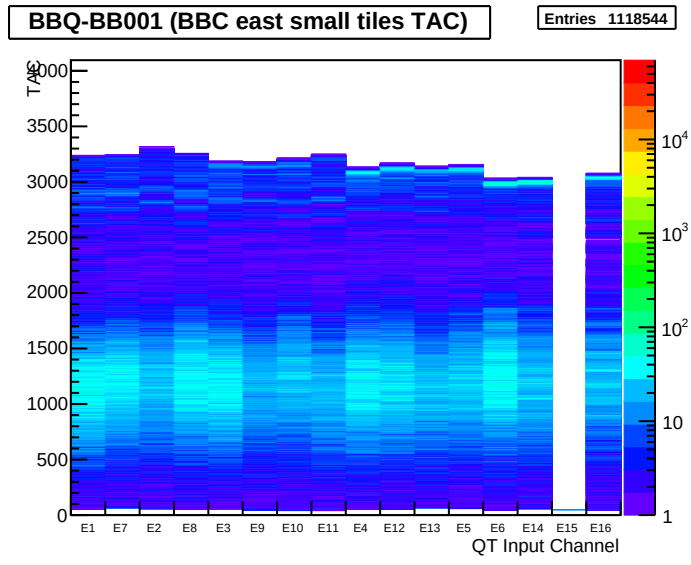

L2-TF201
Entries 69909
TOF total mult

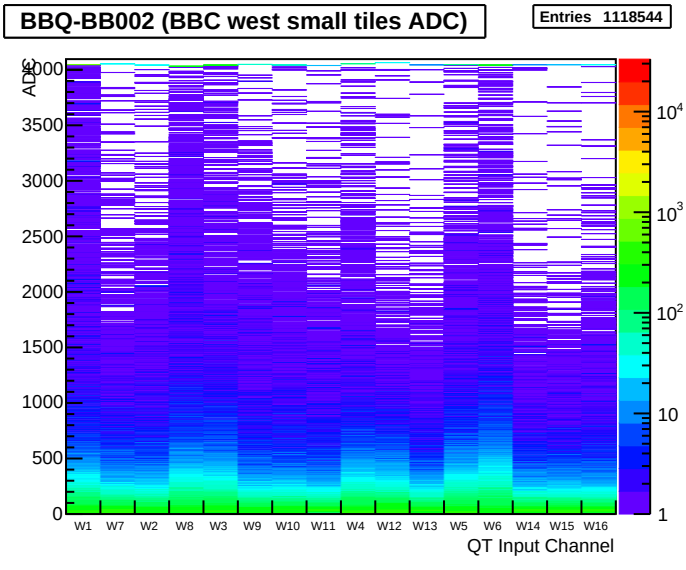

L2-TF201
Entries 0
TOF total mult(Real-Simu)

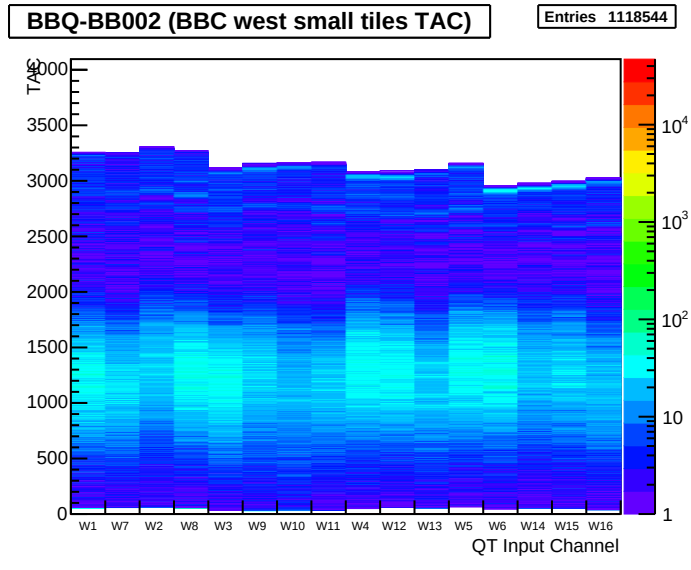

L2-TF201
Entries 489363
Threshold/UPC bits
63412
64034
6892
63978
63723
62870
67921
6497
5875
63017
5931
6186
7039
1988
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

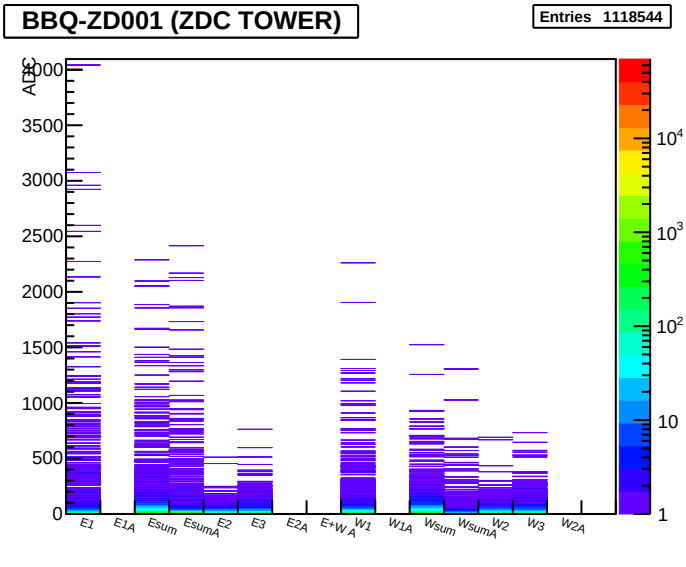

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

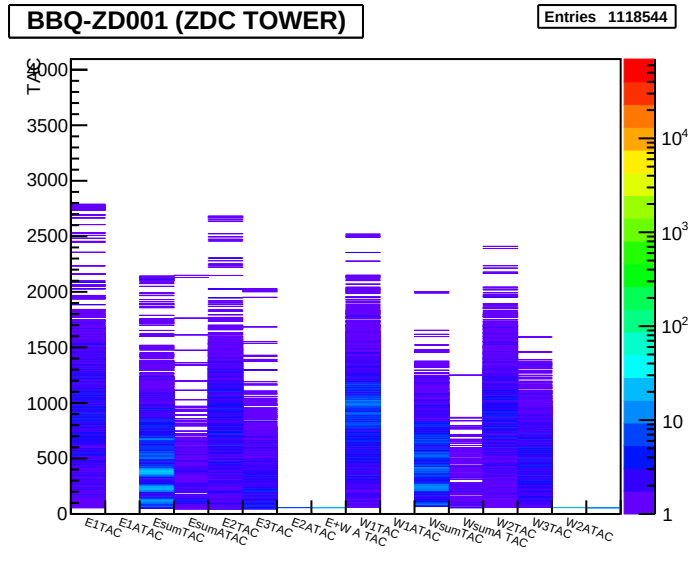

BBQ-BB001 (BBC east small tiles ADC)
Entries 1118544
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

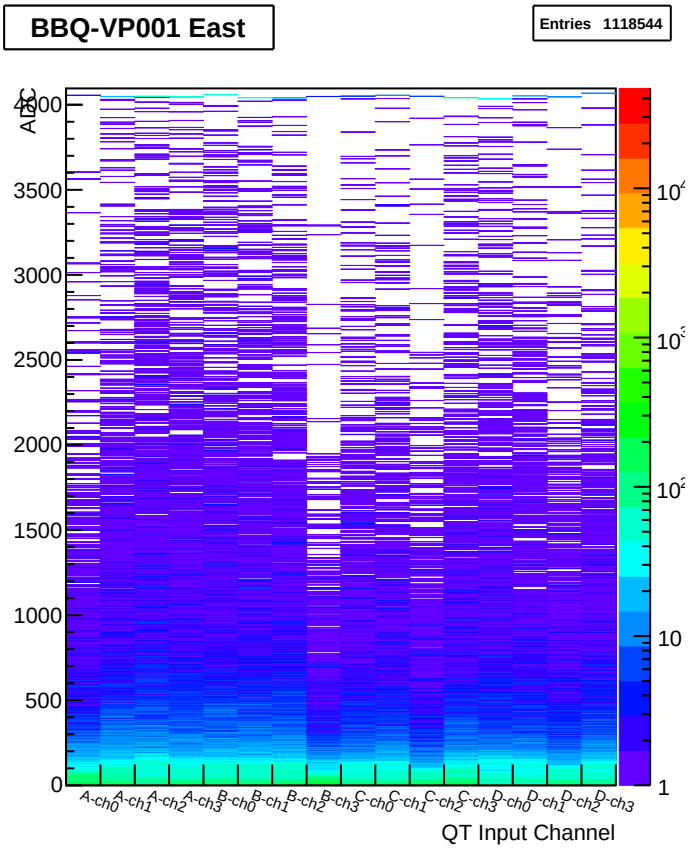

BBQ-BB001 (BBC east small tiles TAC)
Entries 1118544
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

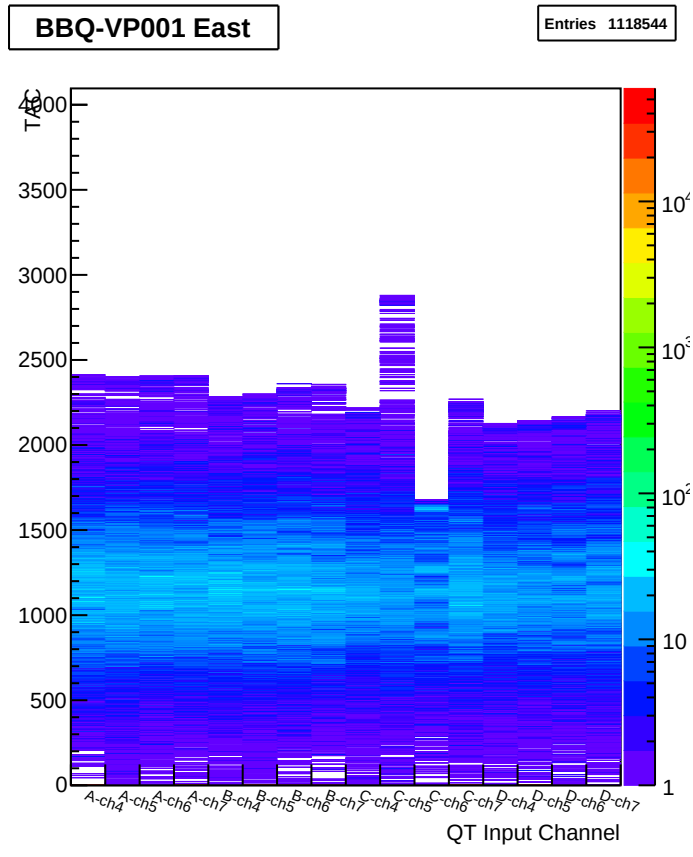

BBQ-BB002 (BBC west small tiles ADC)
Entries 1118544
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

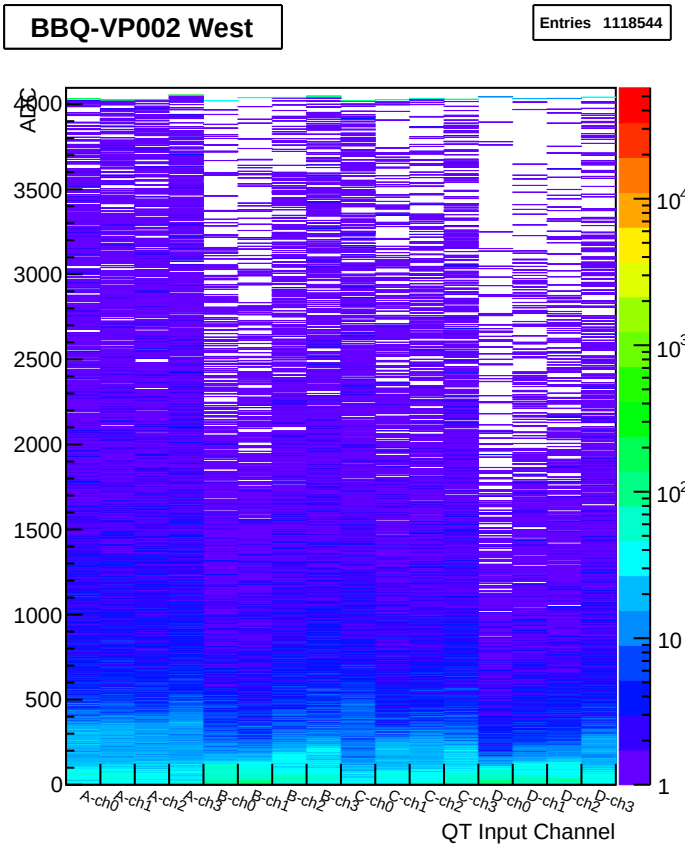

BBQ-BB002 (BBC west small tiles TAC)
Entries 1118544
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

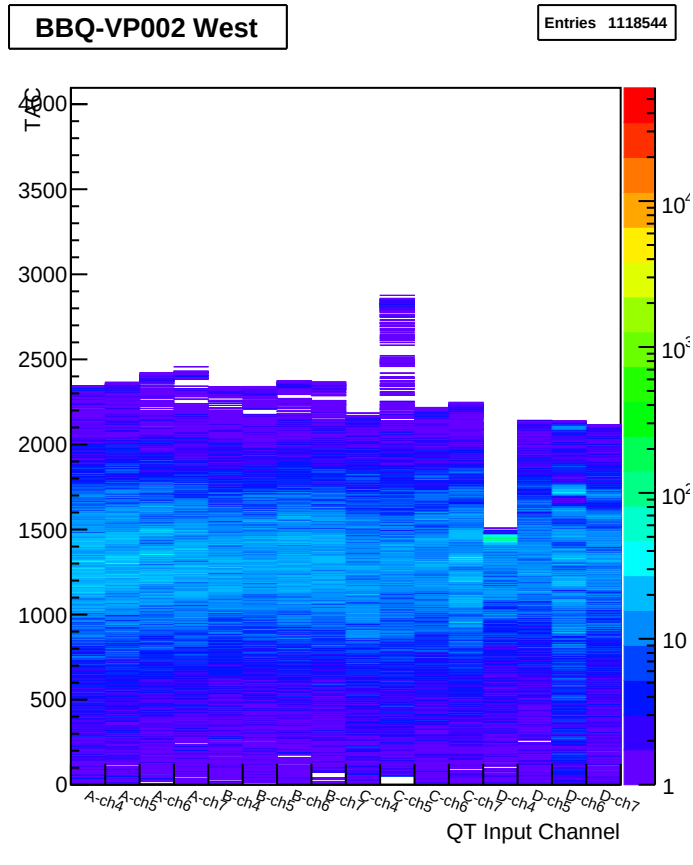

BBQ-ZD001 (ZDC TOWER)
Entries 1118544
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

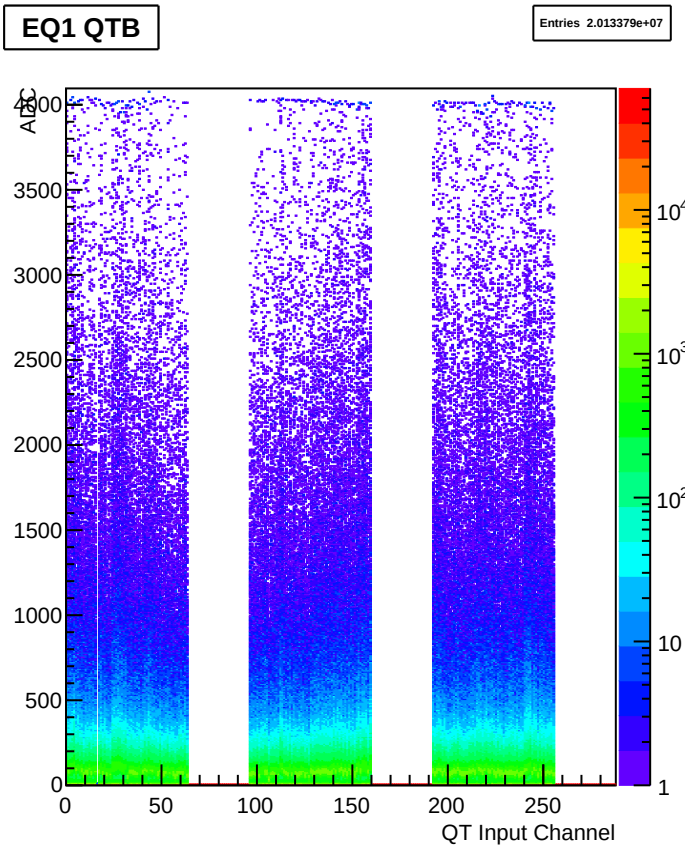

BBQ-ZD001 (ZDC TOWER)
Entries 1118544
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

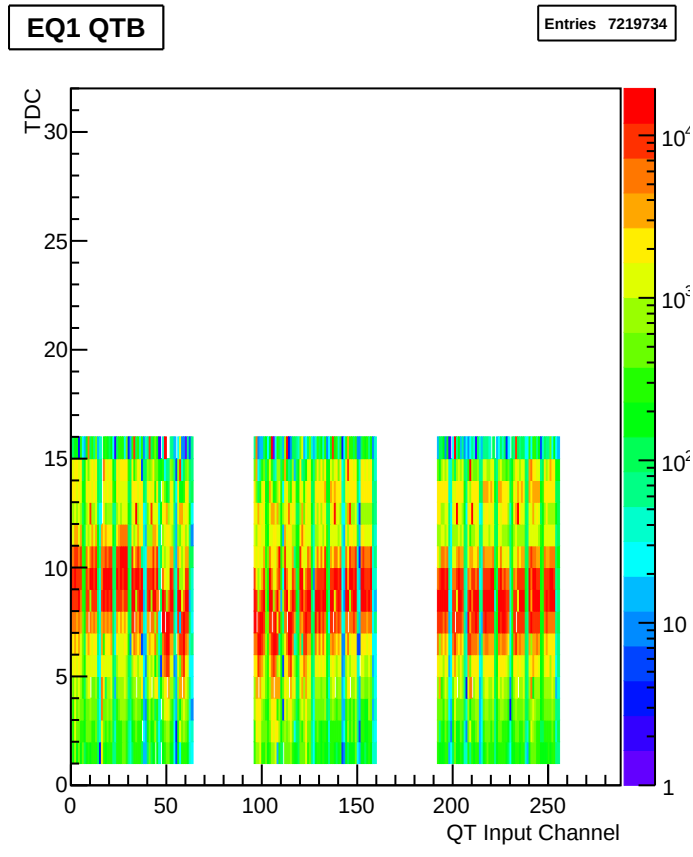

BBQ-VP001 East
Entries 1118544
ADC
QT Input Channel

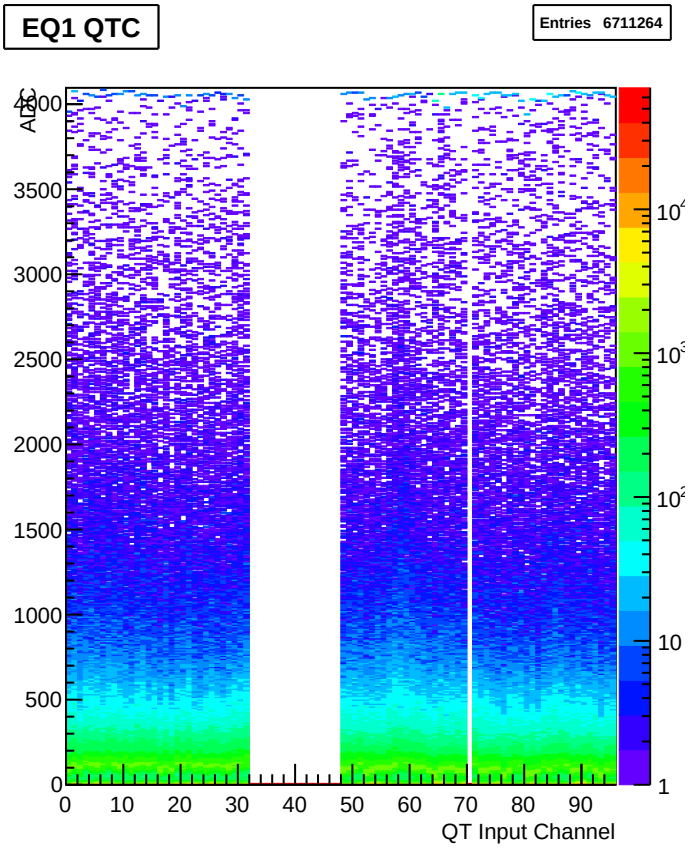

BBQ-VP001 East
Entries 1118544
TADC
QT Input Channel

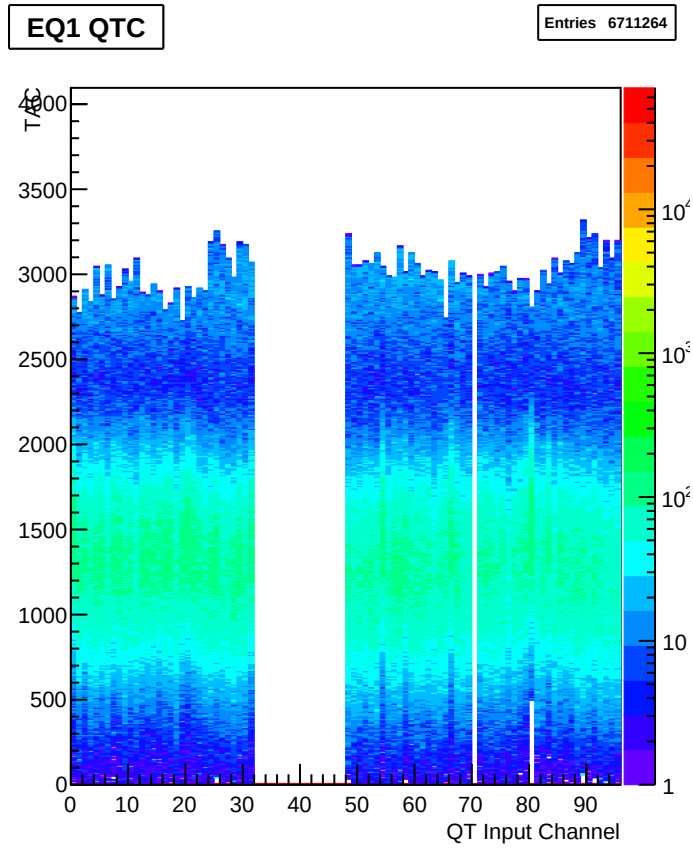

BBQ-VP002 West
Entries 1118544
ADC
QT Input Channel

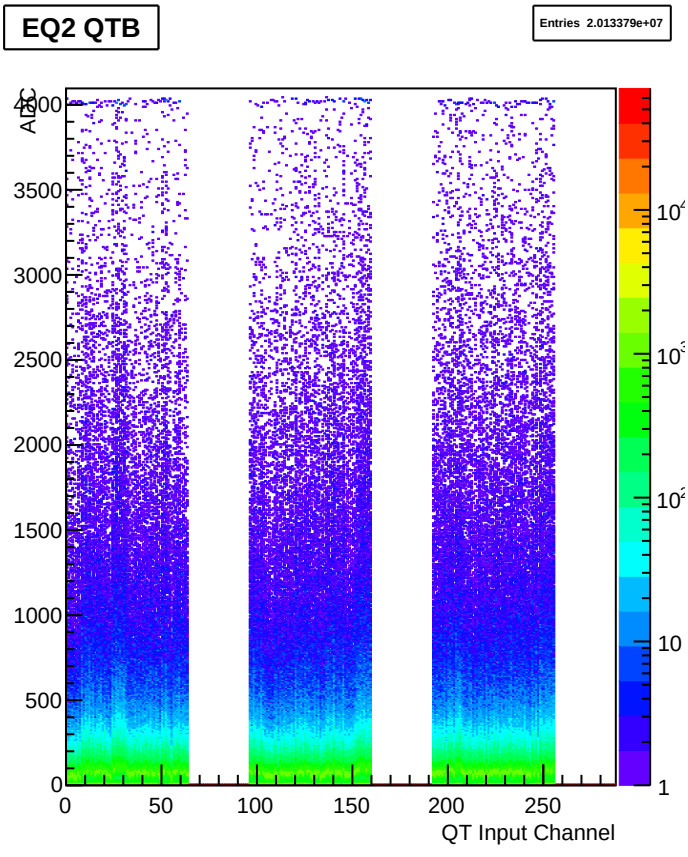

BBQ-VP002 West
Entries 1118544
TADC
QT Input Channel

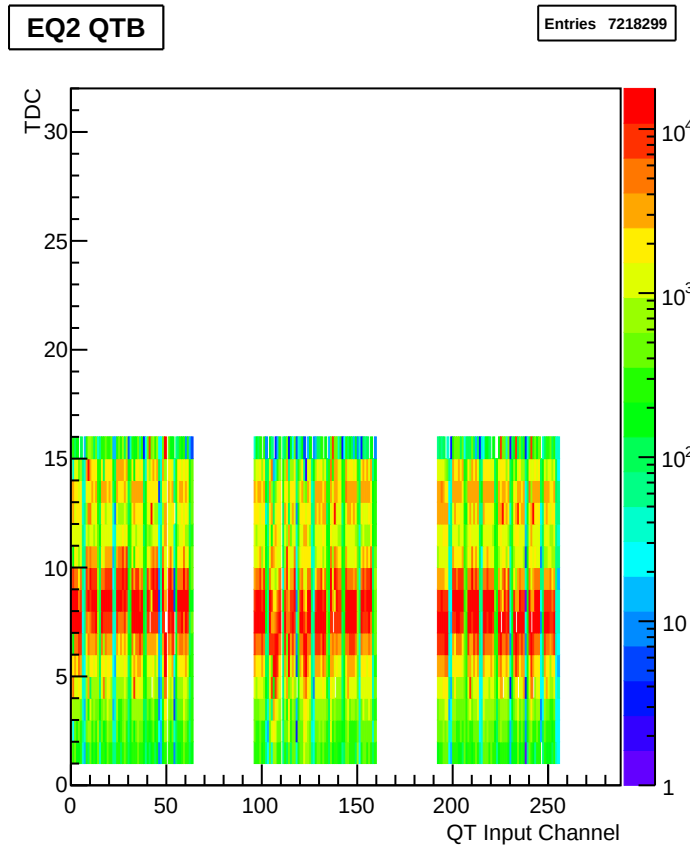

EQ1 QTB
Entries 2.013379e+07
ADC
QT Input Channel

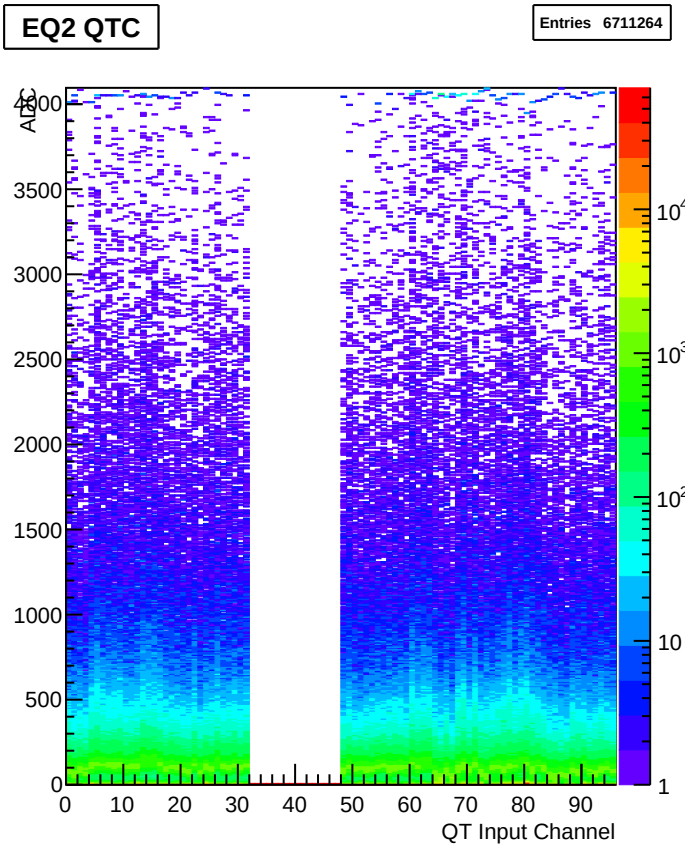

EQ1 QTB
Entries 7219734
TDC
QT Input Channel

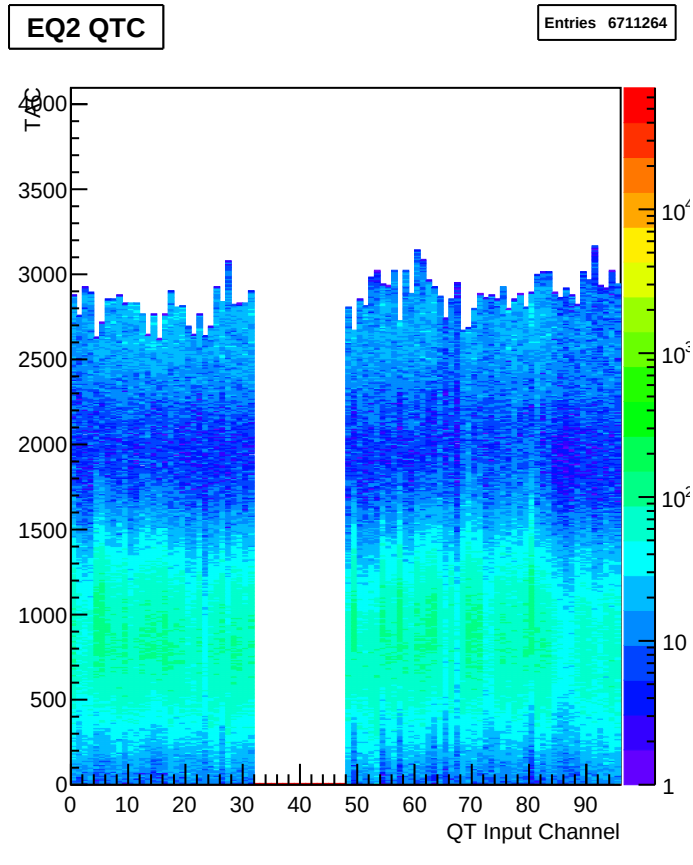

EQ1 QTC
Entries 6711264
ADC
QT Input Channel

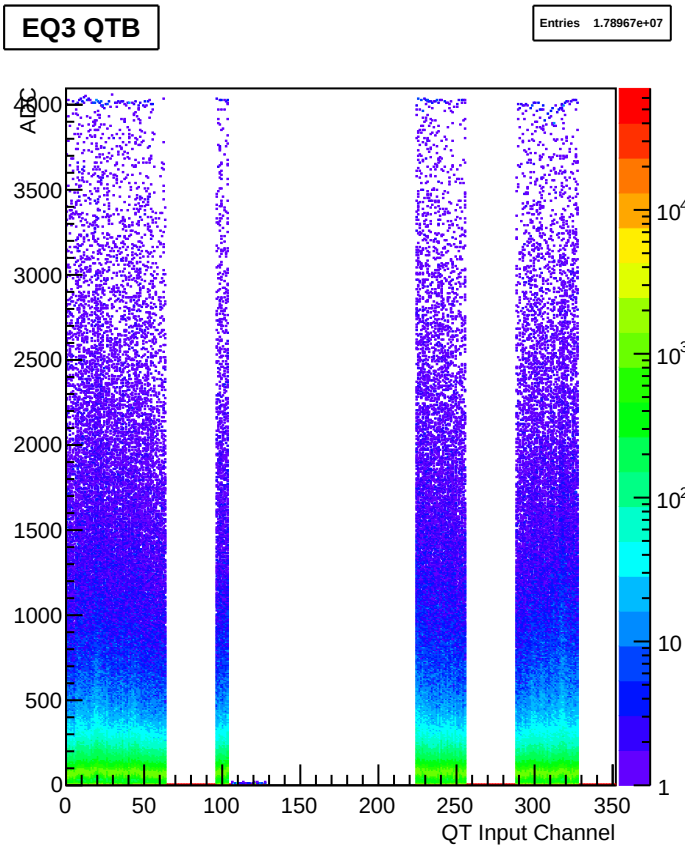

EQ1 QTC
Entries 6711264
TADC
QT Input Channel

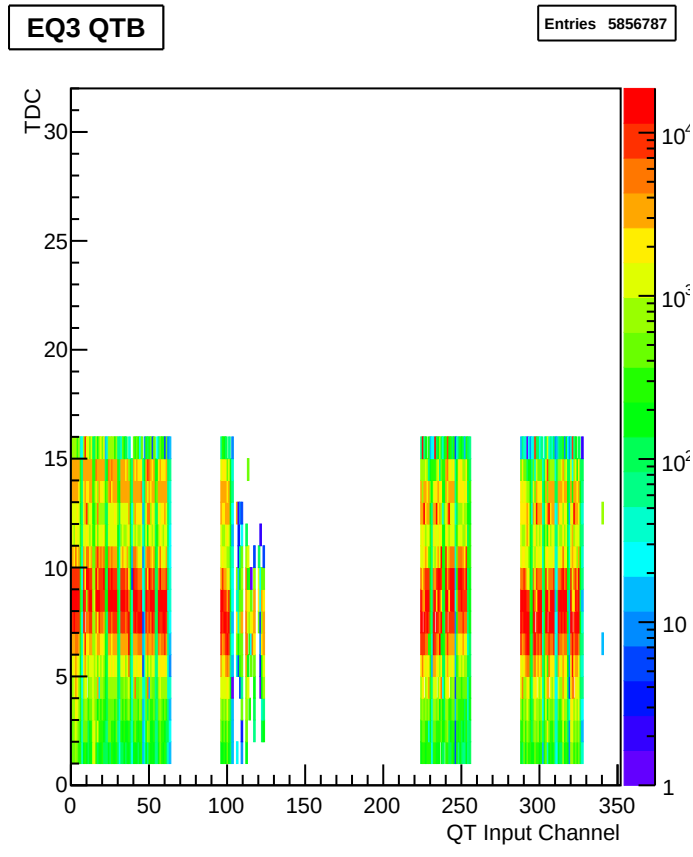

EQ2 QTB
Entries 2.013379e+07
ADC
QT Input Channel

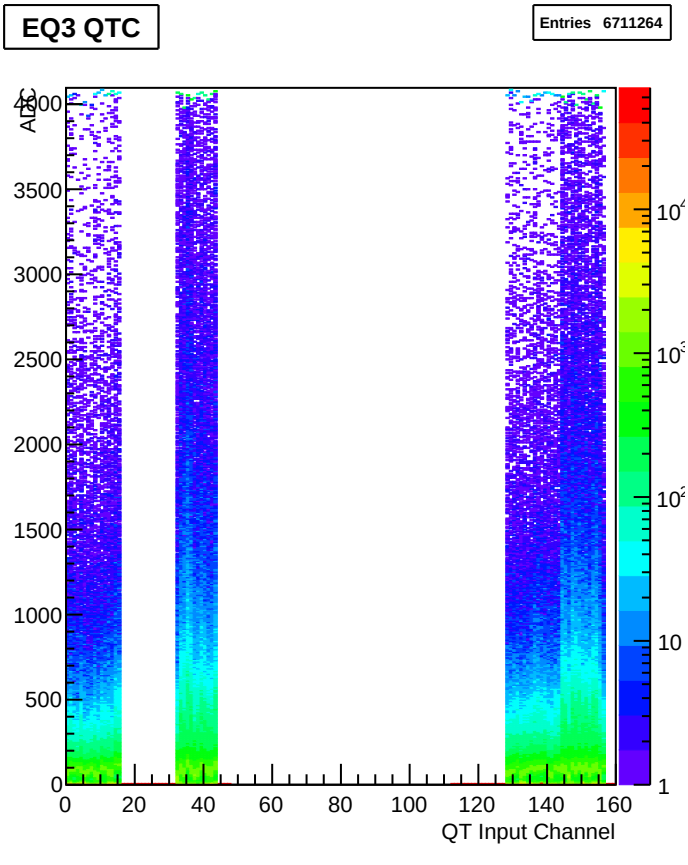

EQ2 QTB
Entries 7218299
TDC
QT Input Channel

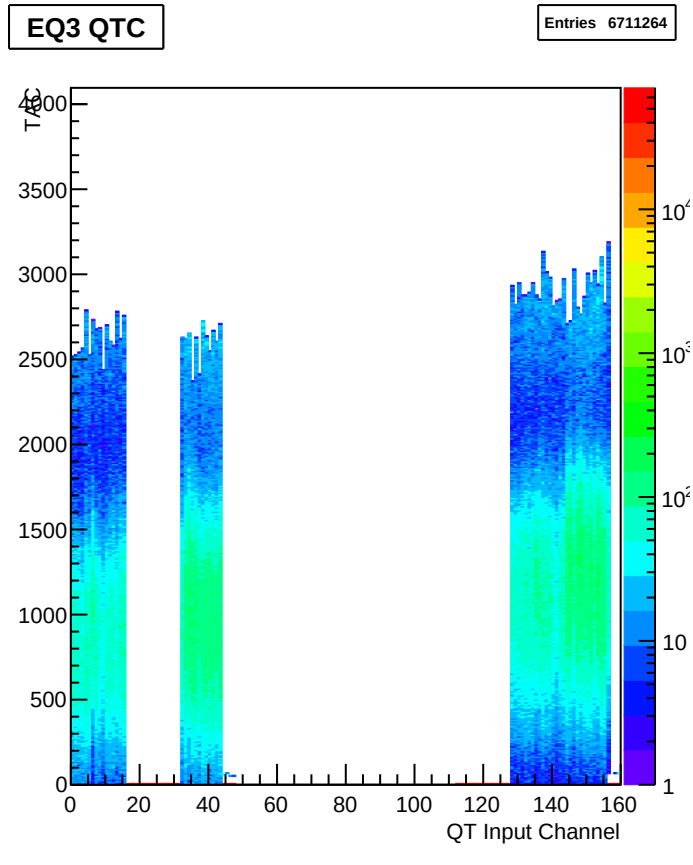

EQ2 QTC
Entries 6711264
ADC
QT Input Channel

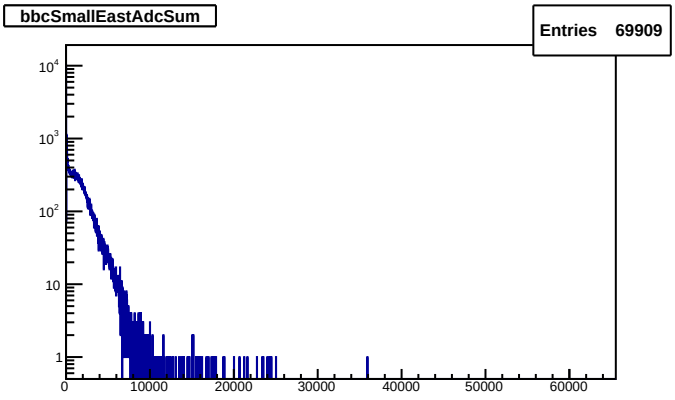

EQ2 QTC
Entries 6711264
TADC
QT Input Channel

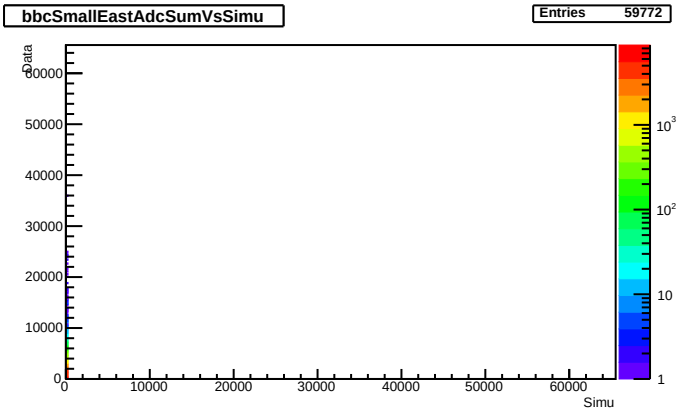

EQ3 QTB
Entries 1.78967e+07
ADC
QT Input Channel

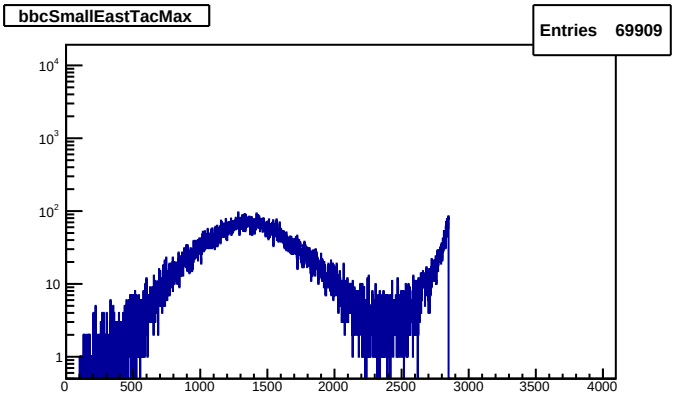

EQ3 QTB
Entries 5856787
TDC
QT Input Channel

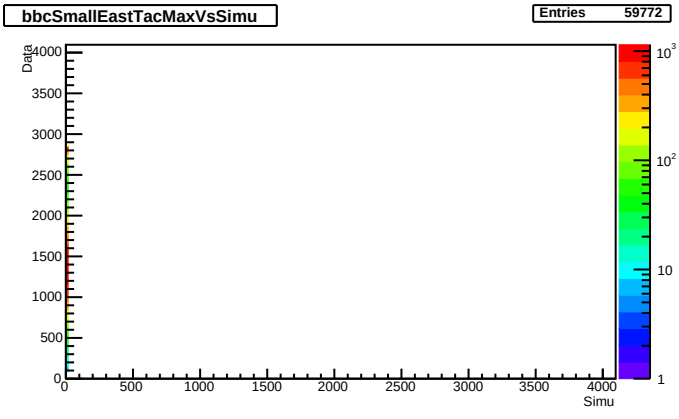

EQ3 QTC
Entries 6711264
ADC
QT Input Channel


EQ3 QTC
Entries 6711264
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 69909


bbcSmallEastAdcSumVsSimu
Entries 59772
Data
Simu


bbcSmallEastTacMax
Entries 69909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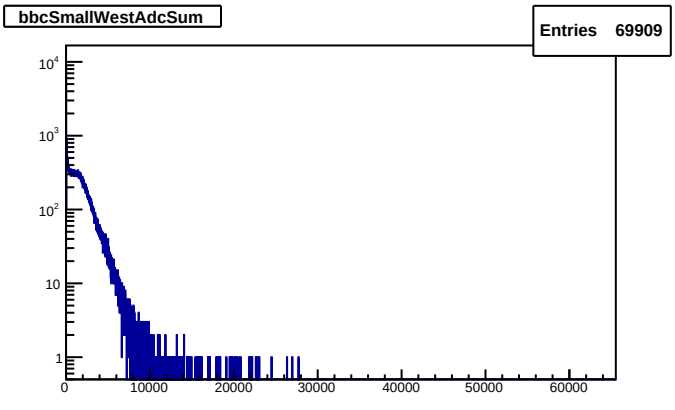
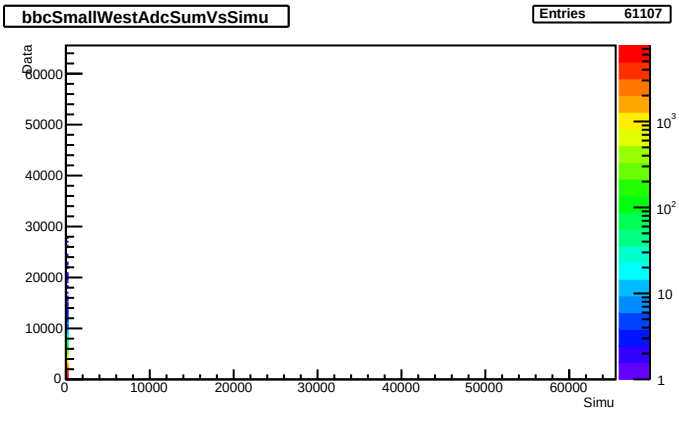
Entries 59772
Data
Simu


bbcSmallWestAdcSum
Entries 69909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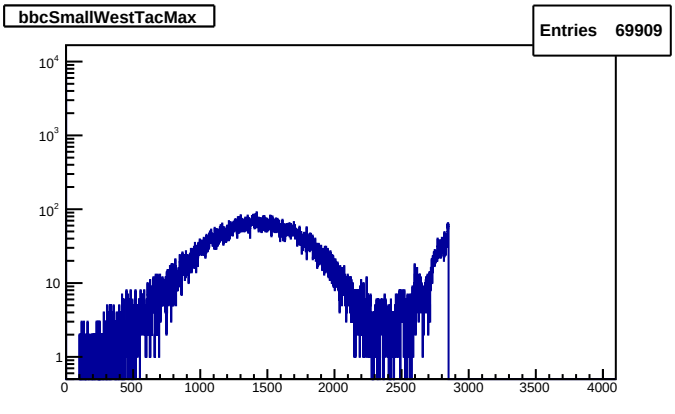
Entries 61107
Data
Simu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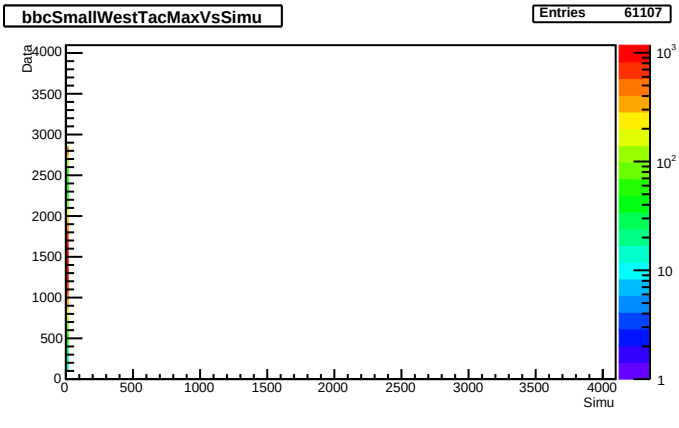
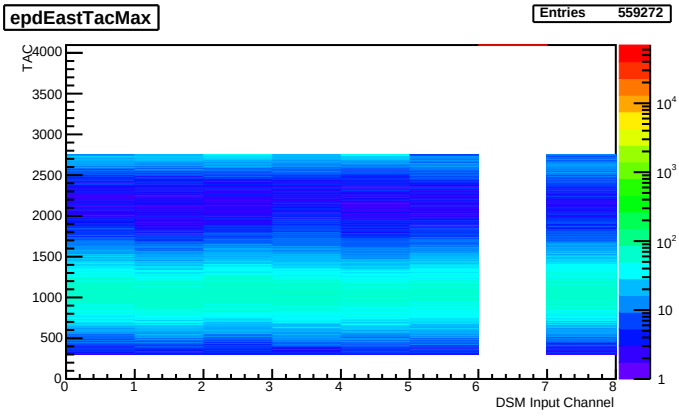
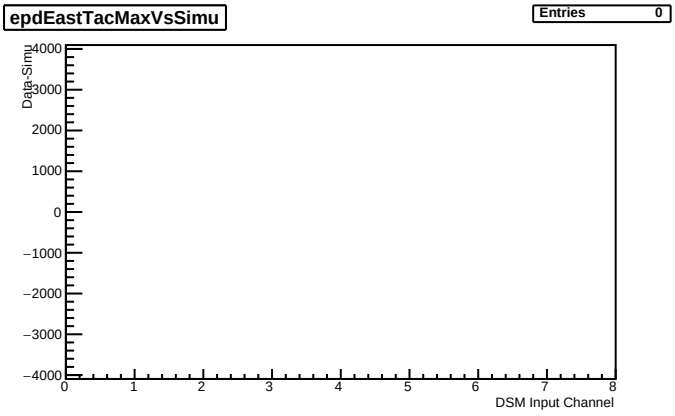
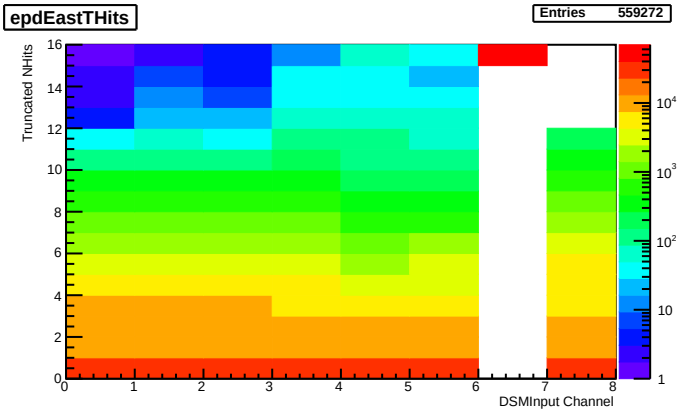
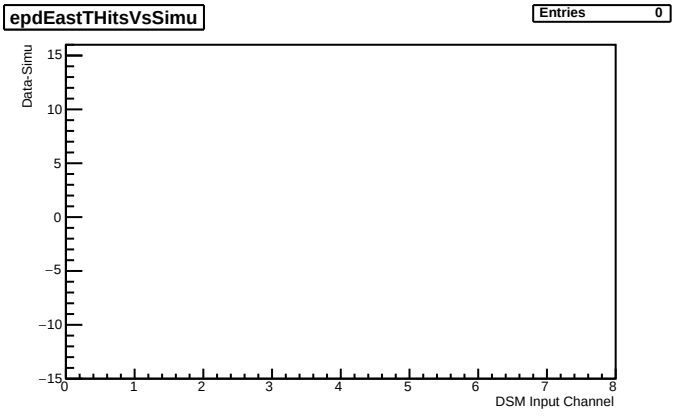
Entries 69909

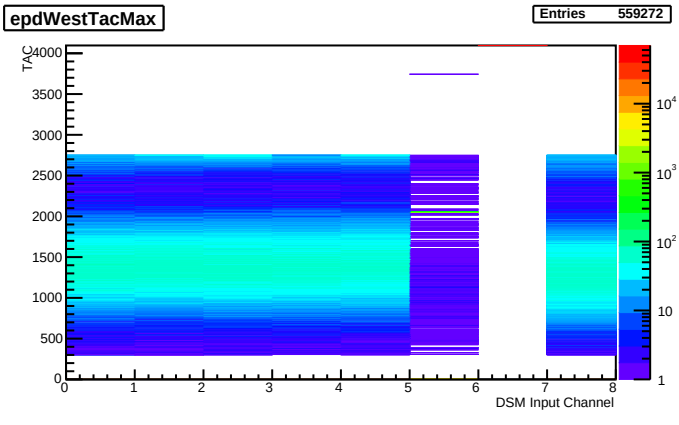

bbcSmallWestTacMaxVsSimu
Entries 61107
Data
Simu

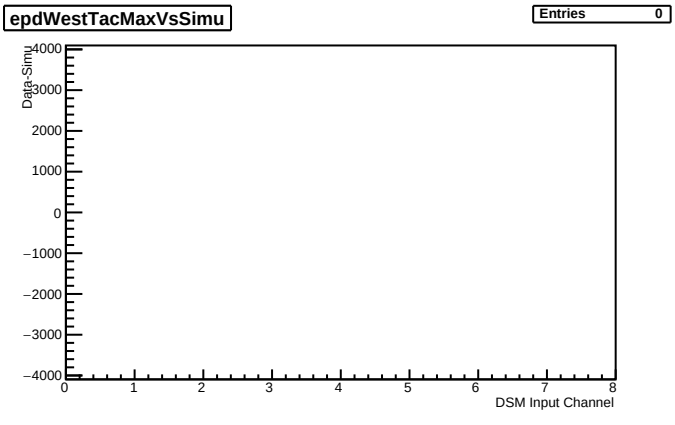

epdEastTacMax
Entries 559272
TAC
DSM Input Channel

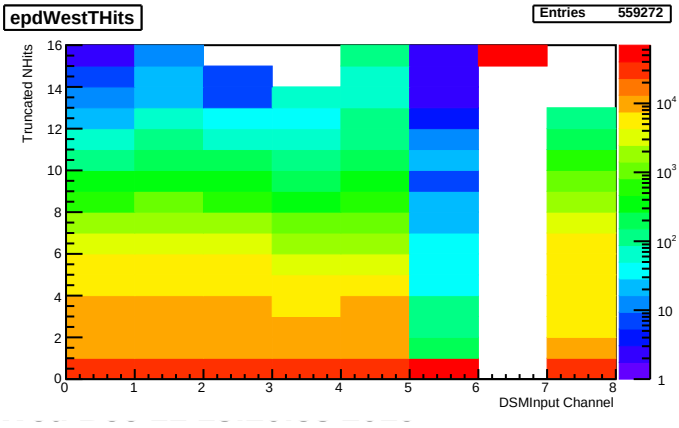

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

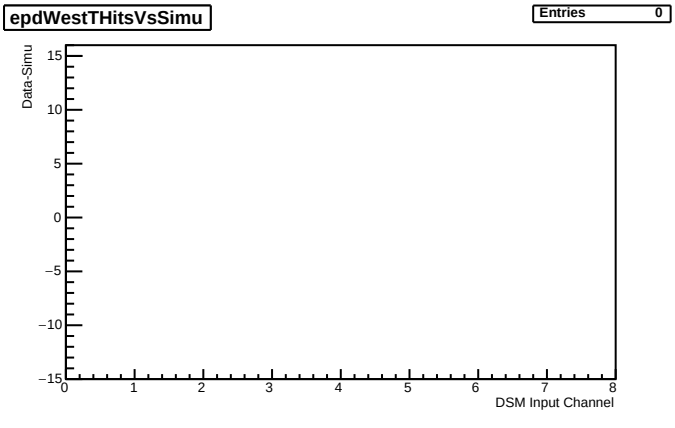

epdEastTHits
Entries 559272
Truncated NHits
DSMInput Channel

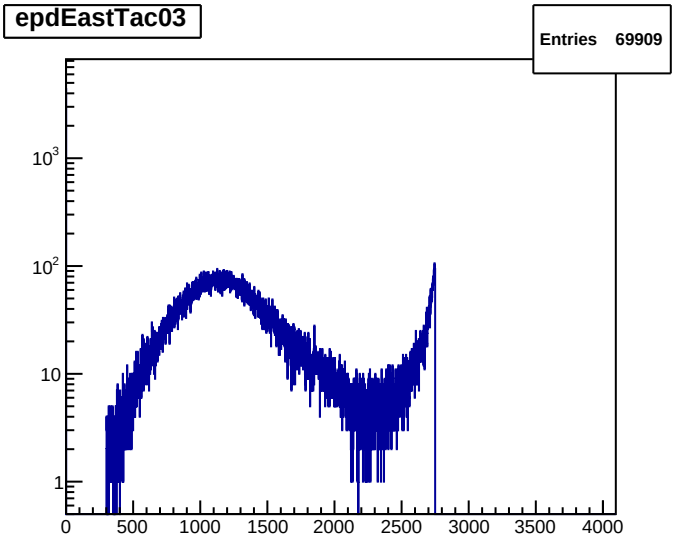

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

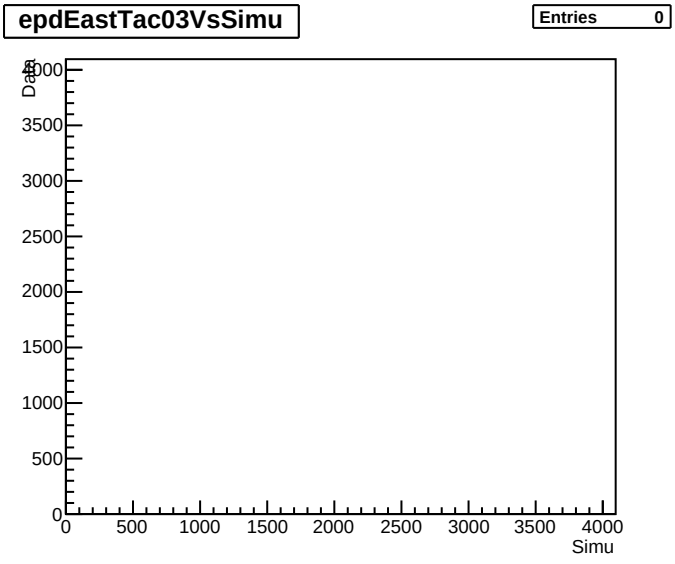

epdWestTacMax
Entries 559272
TAC
DSM Input Channel

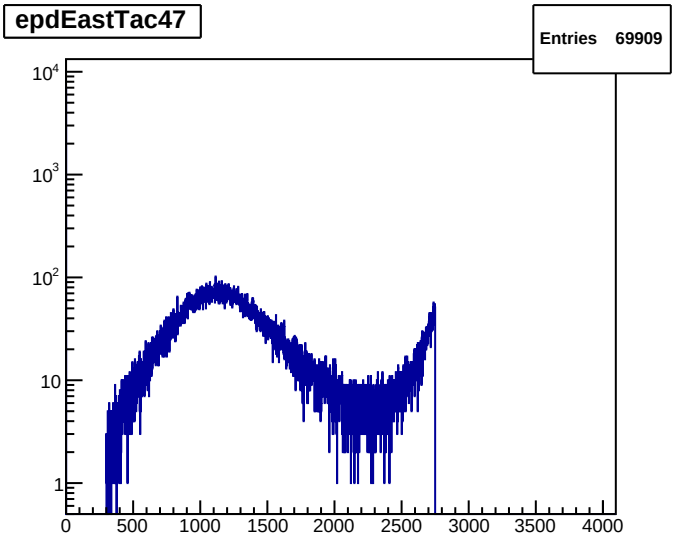

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

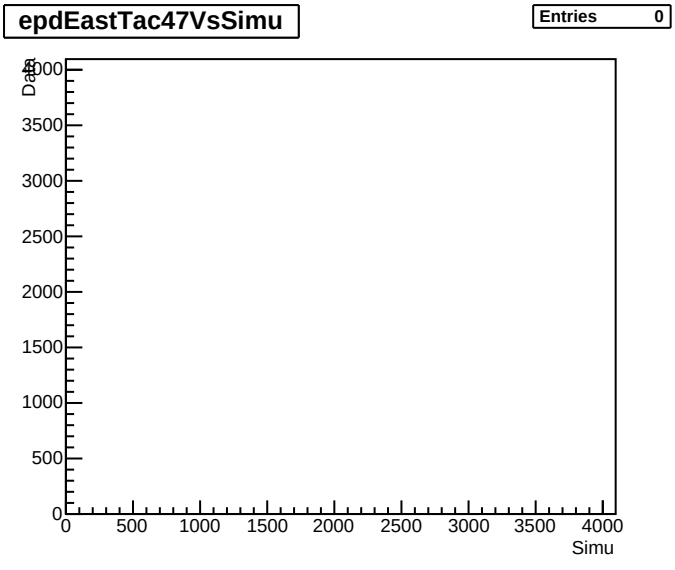

epdWestTHits
Entries 559272
Truncated NHits
DSMInput Channel

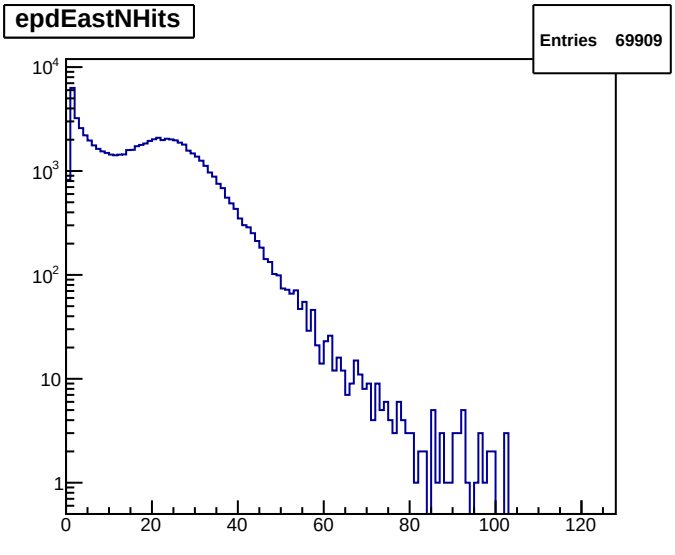

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

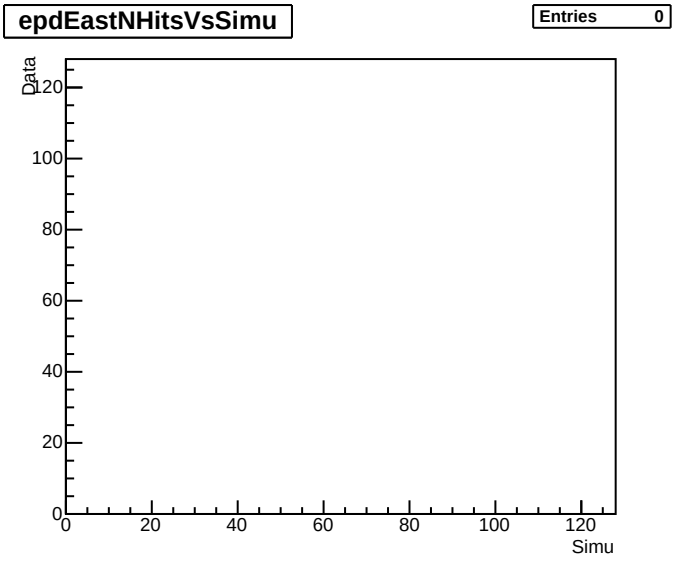

epdEastTac03
Entries 69909
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

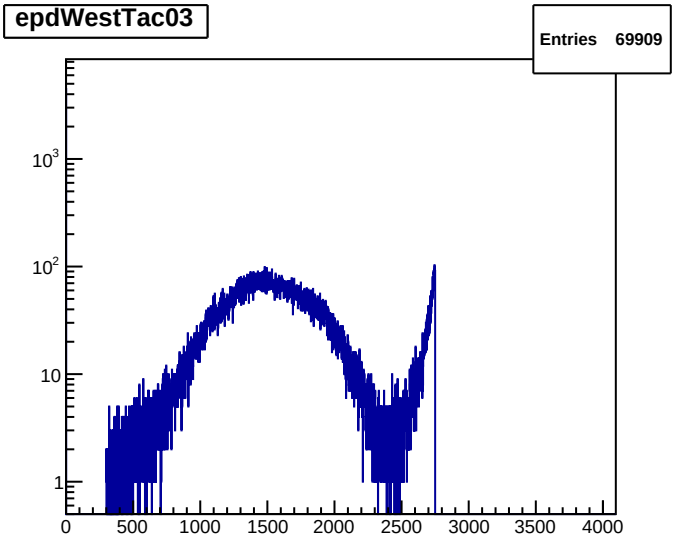

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

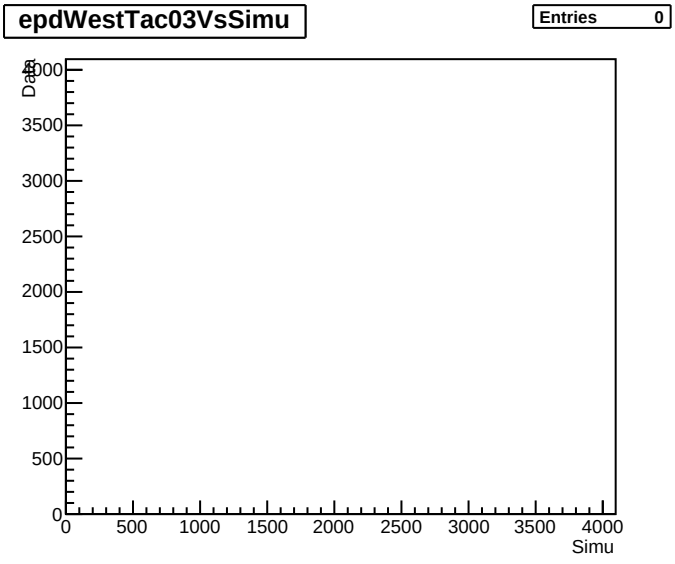

epdEastTac47
Entries 69909
10^4
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000

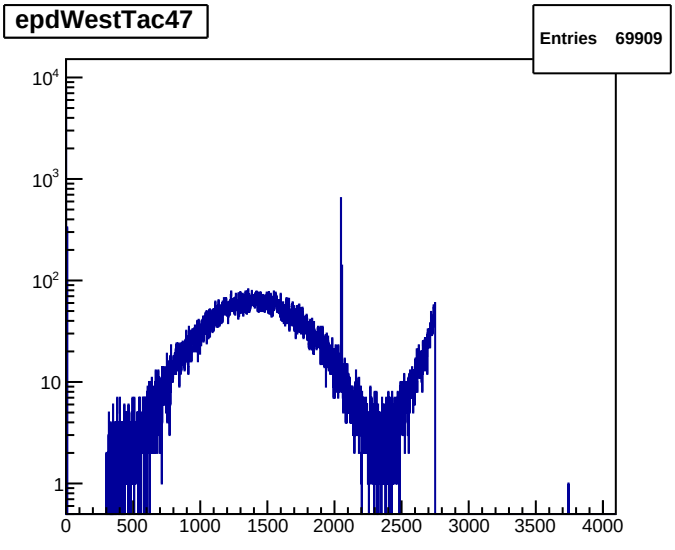

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

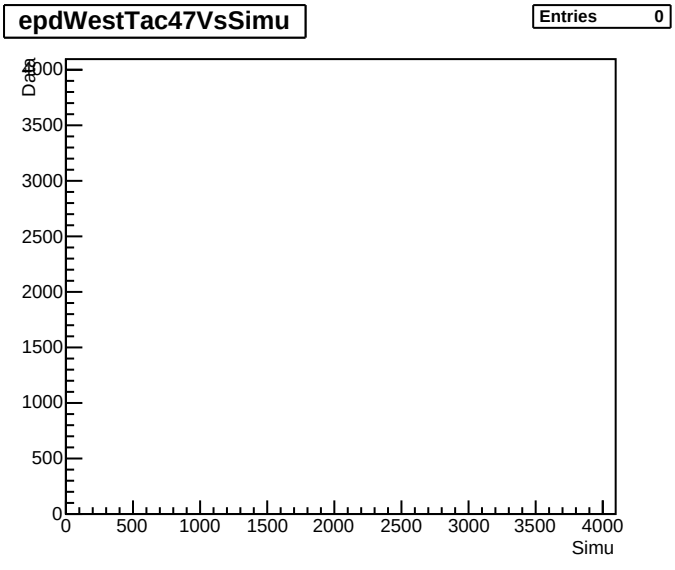

epdEastNHits
Entries 69909
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

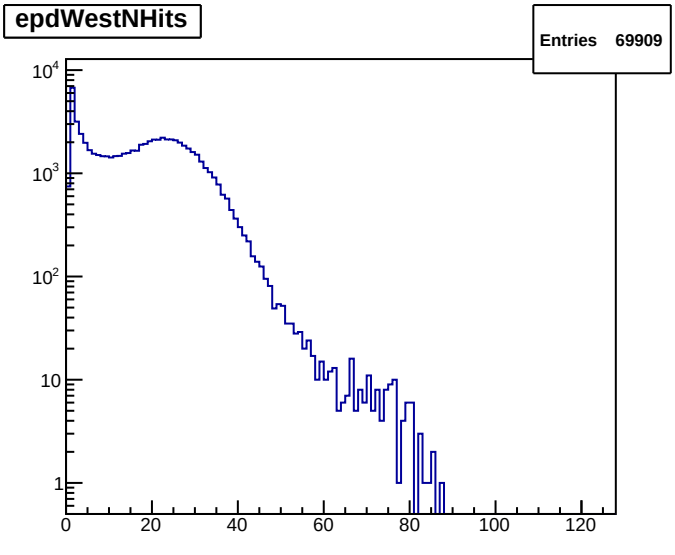

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

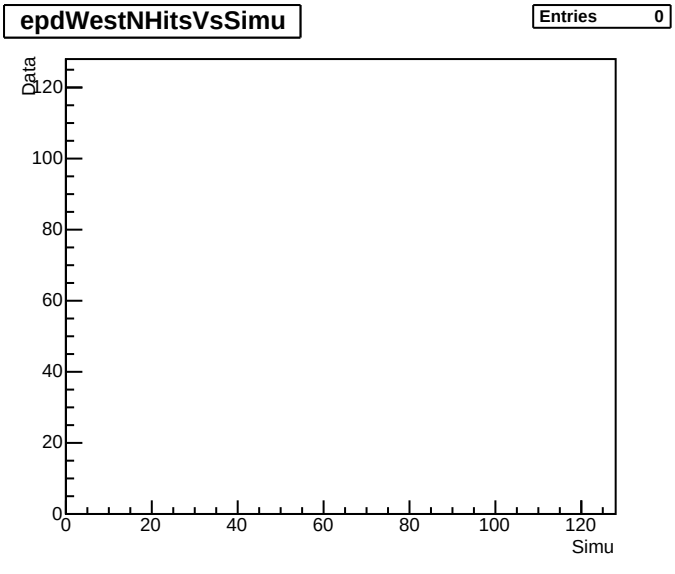

epdWestTac03
Entries 69909

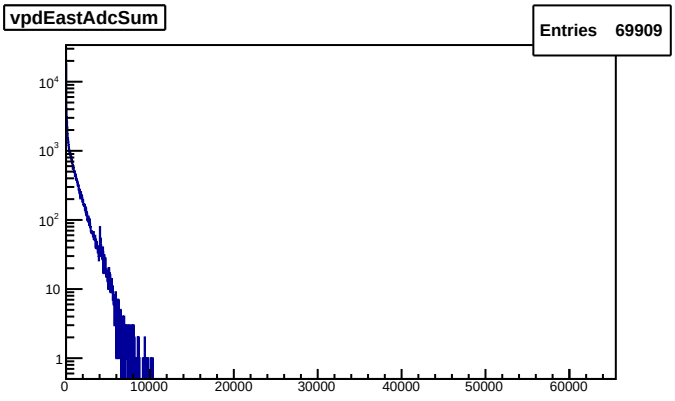

epdWestTac03VsSimu
Entries 0
Data
Simu

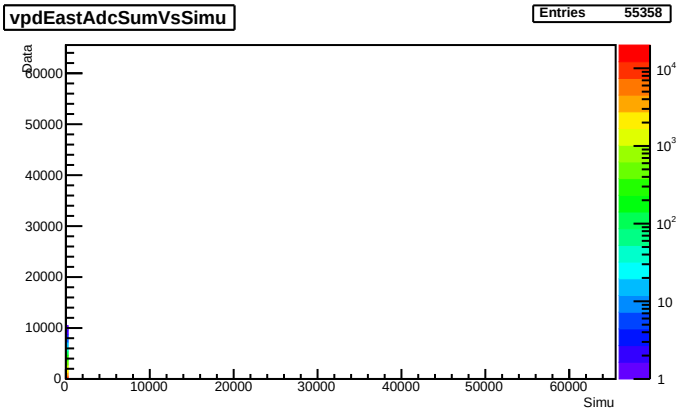

epdWestTac47
Entries 69909

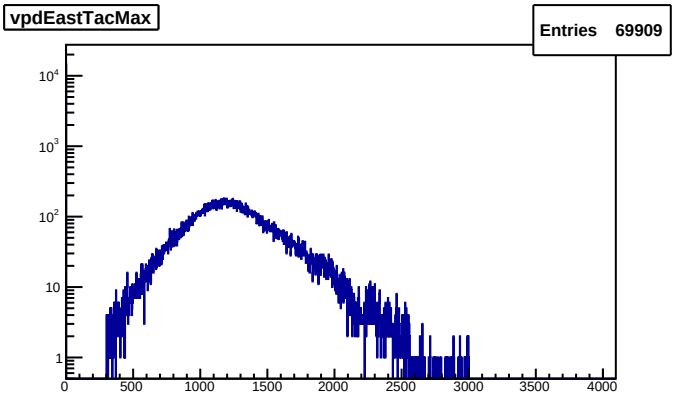

epdWestTac47VsSimu
Entries 0
Data
Simu

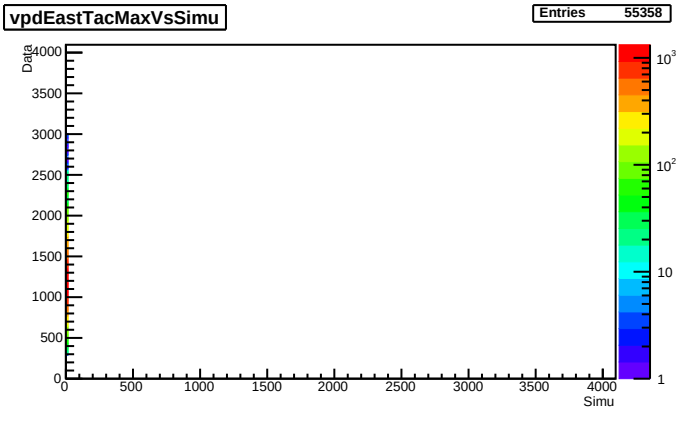

epdWestNHits
Entries 69909

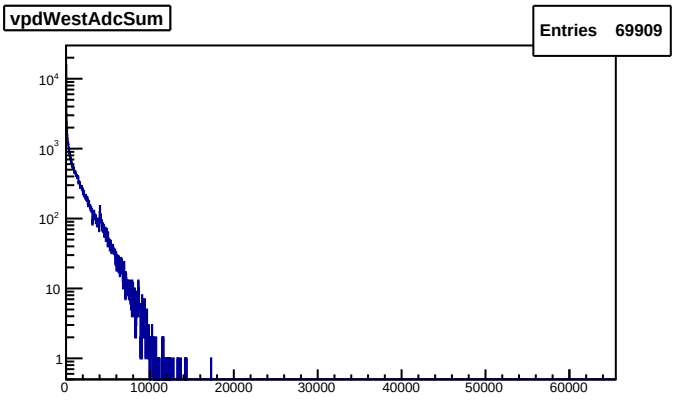

epdWestNHitsVsSimu
Entries 0
Data
Simu

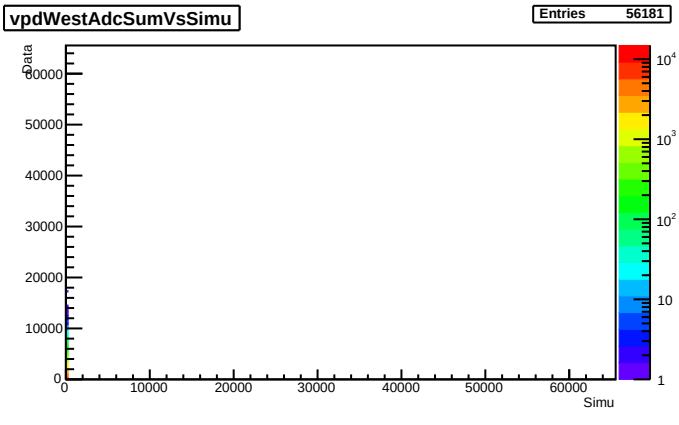

vpdEastAdcSum
Entries 69909

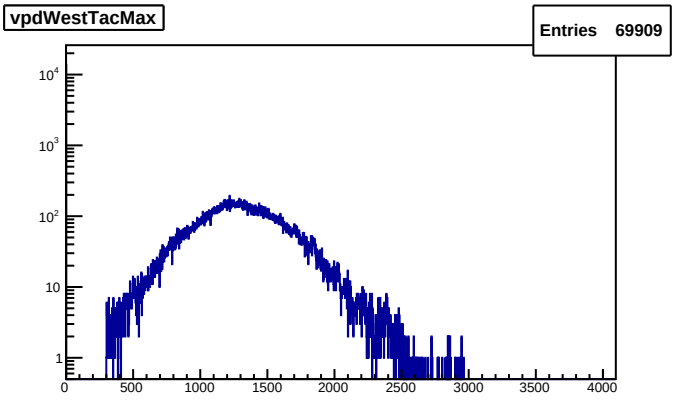

vpdEastAdcSumVsSimu
Entries 55358
Data
Simu

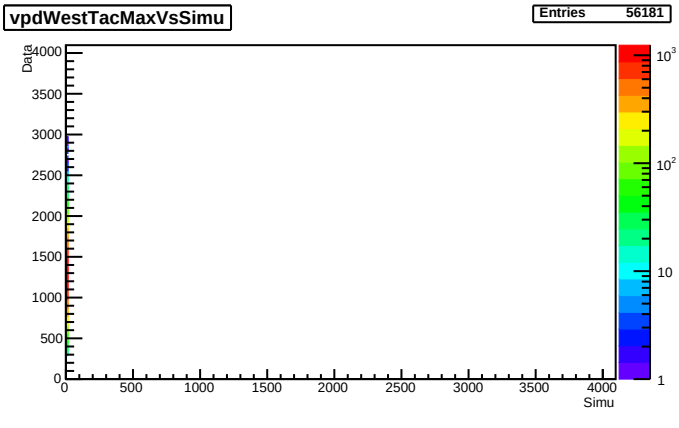

vpdEastTacMax
Entries 69909

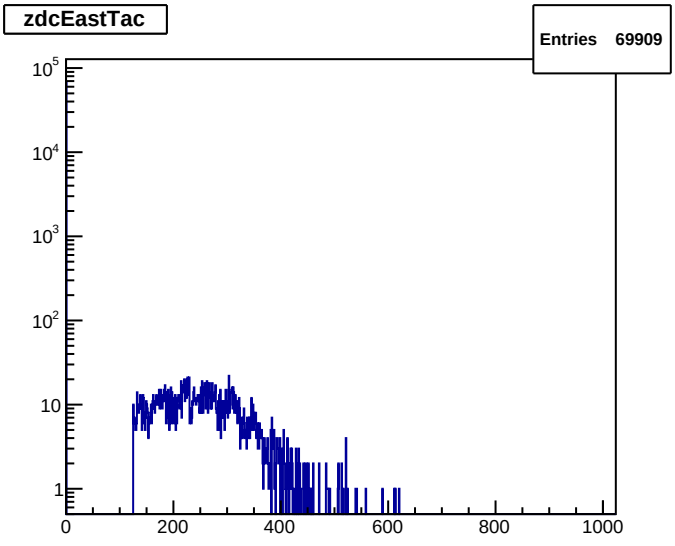

vpdEastTacMaxVsSimu
Entries 55358
Data
Simu

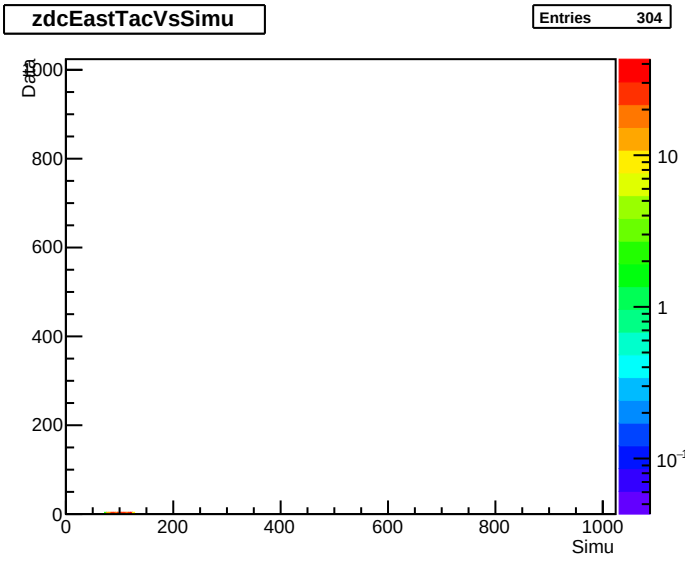

vpdWestAdcSum
Entries 69909

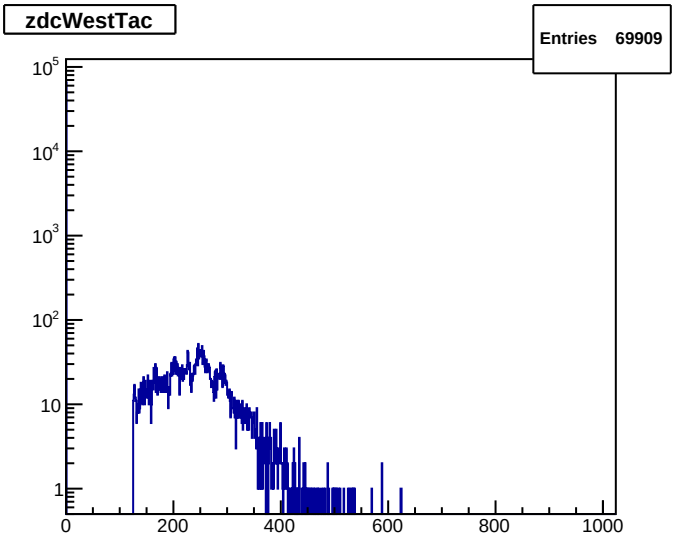

vpdWestAdcSumVsSimu
Entries 56181
Data
Simu

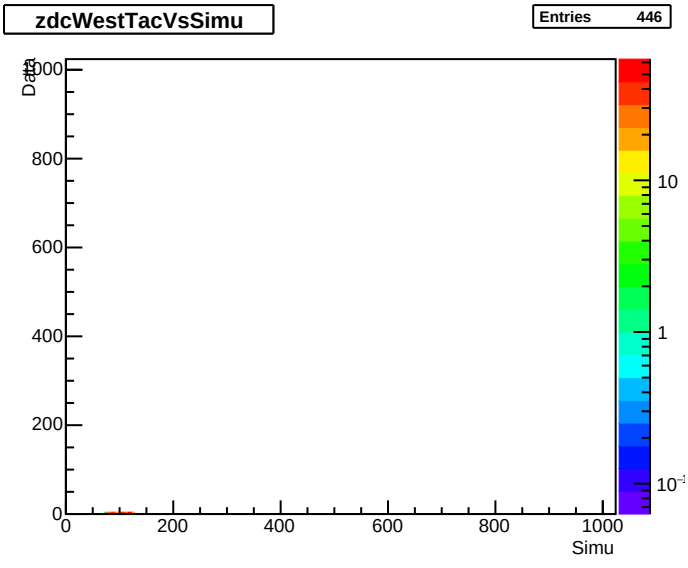

vpdWestTacMax
Entries 69909

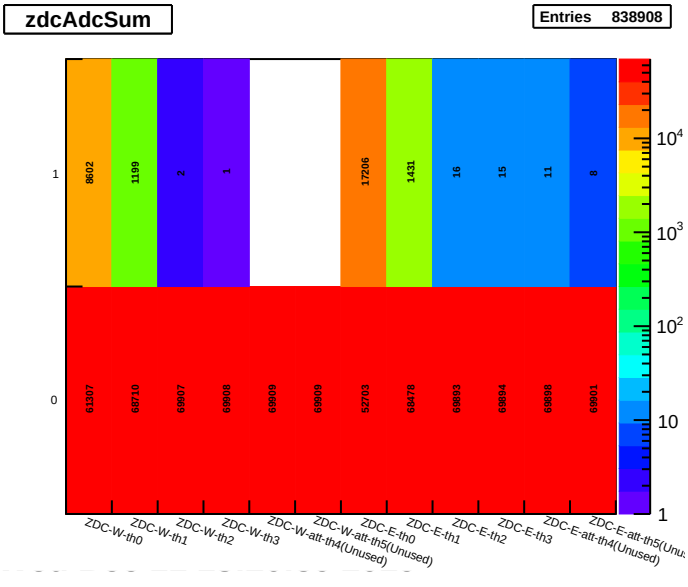

vpdWestTacMaxVsSimu
Entries 56181
Data
Simu

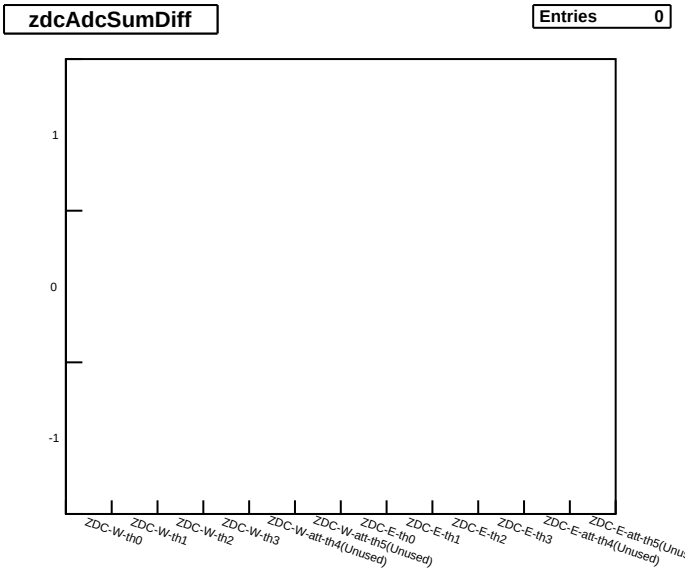

zdcEastTac
Entries 69909

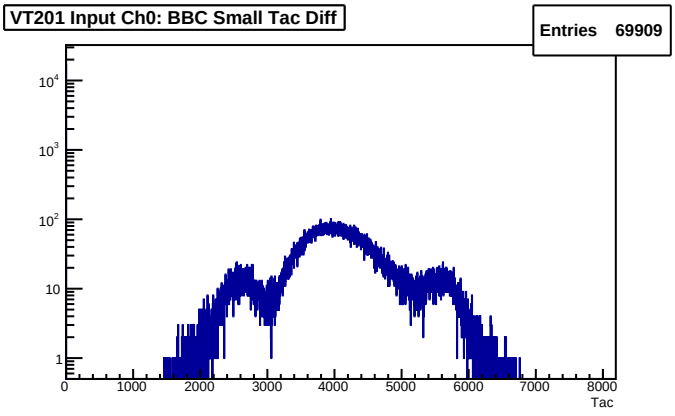

zdcEastTacVsSimu
Entries 304
Data
Simu

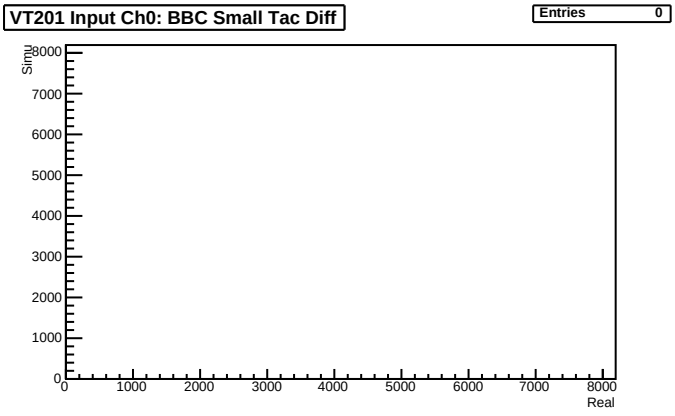

zdcWestTac
Entries 69909

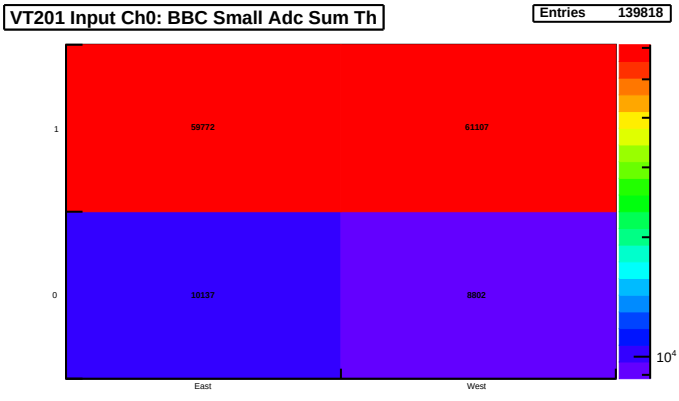

zdcWestTacVsSimu
Entries 446
Data
Simu

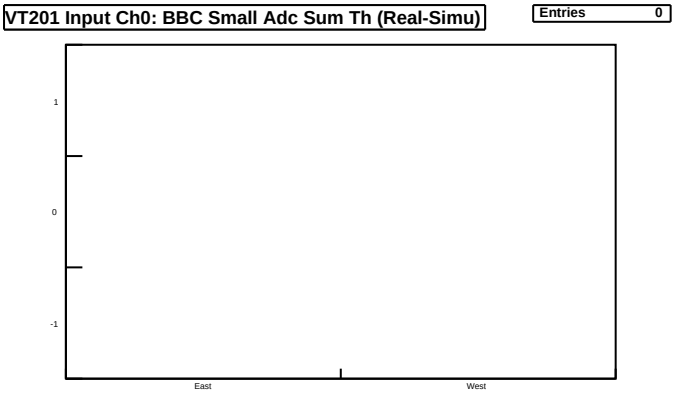

zdcAdcSum
Entries 838908
8602
1199
2
1
17206
1431
16
15
11
8
61307
68710
69907
69908
69909
69909
52703
68478
69903
69894
69898
69901
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

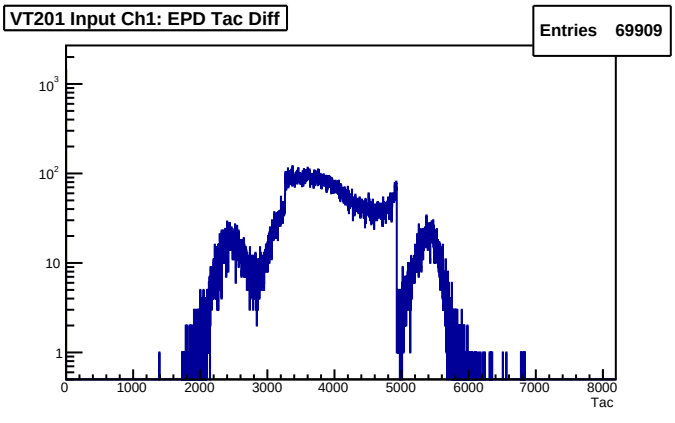

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

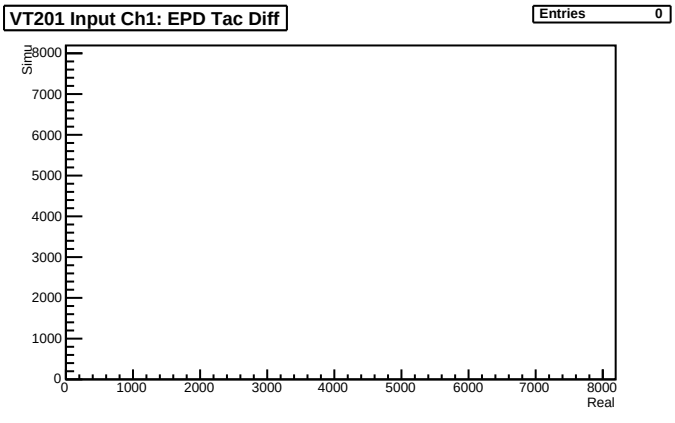

VT201 Input Ch0: BBC Small Tac Diff
Entries 69909
Tac

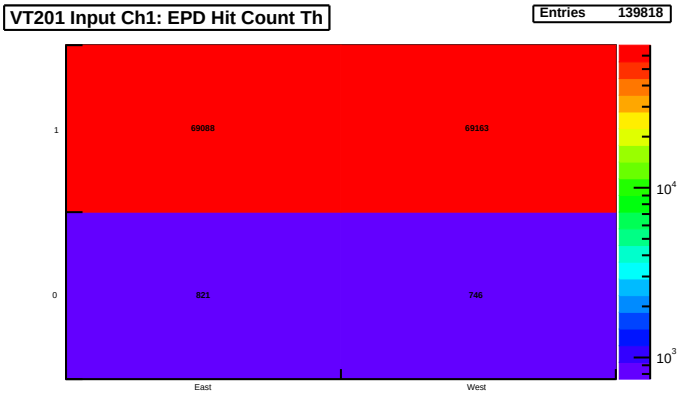

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

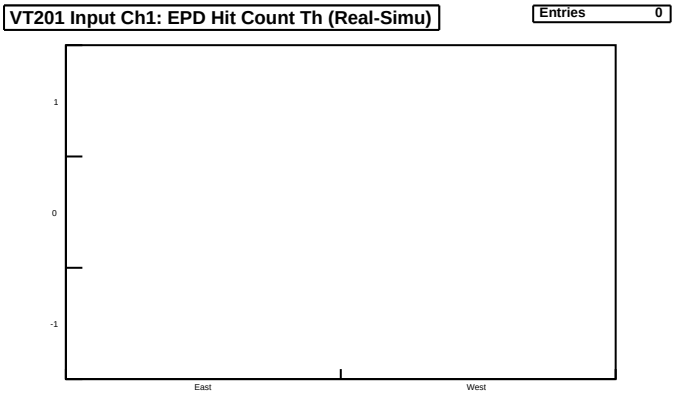

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 139818
59772
61107
10137
8802
East
West

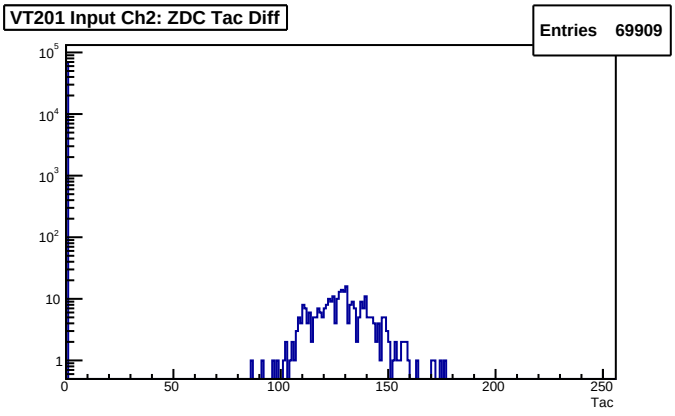

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

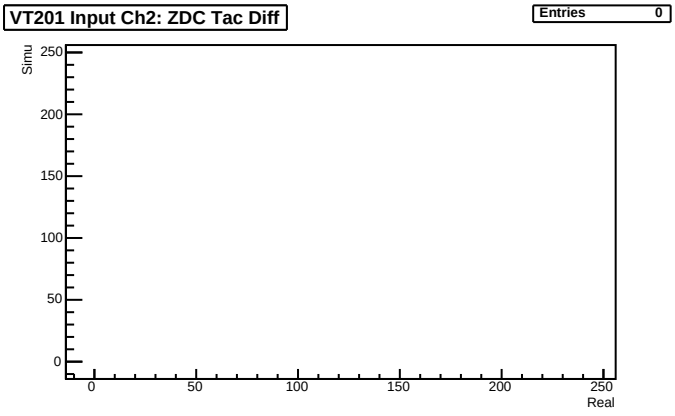

VT201 Input Ch1: EPD Tac Diff
Entries 69909
Tac

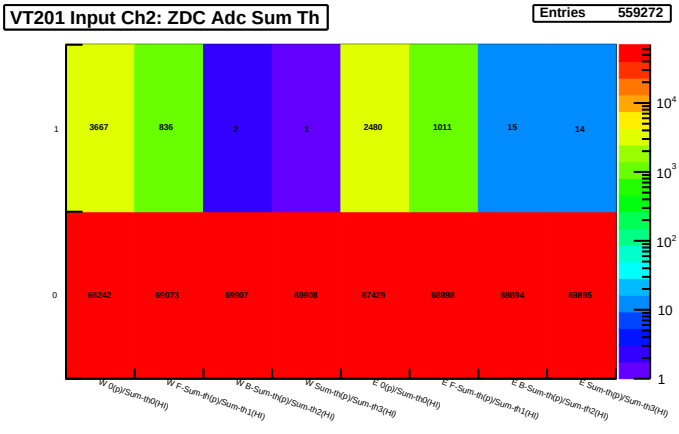

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

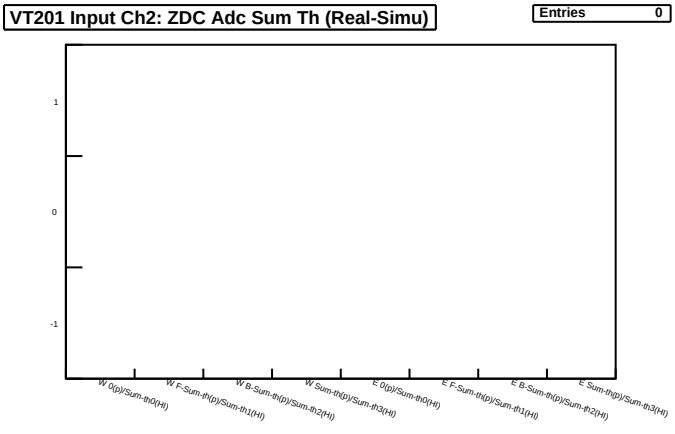

VT201 Input Ch1: EPD Hit Count Th
Entries 139818
69088
69163
821
746
East
West

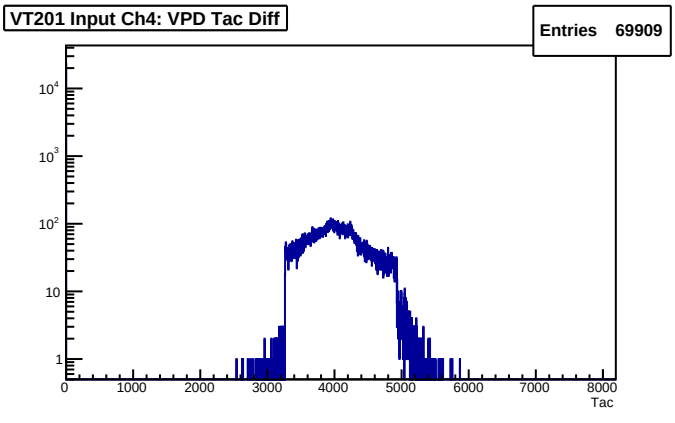

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

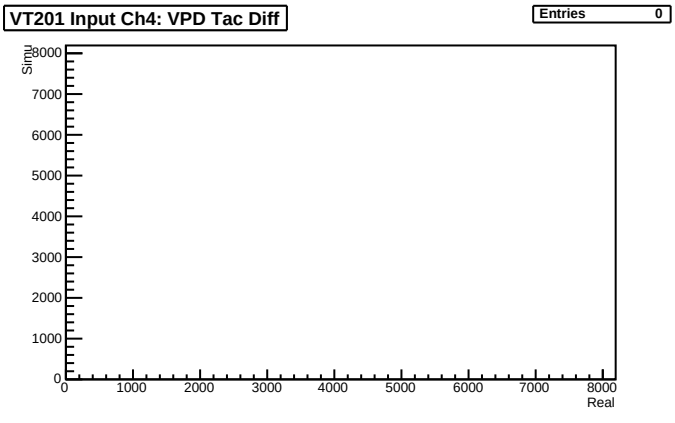

VT201 Input Ch2: ZDC Tac Diff
Entries 69909
Tac

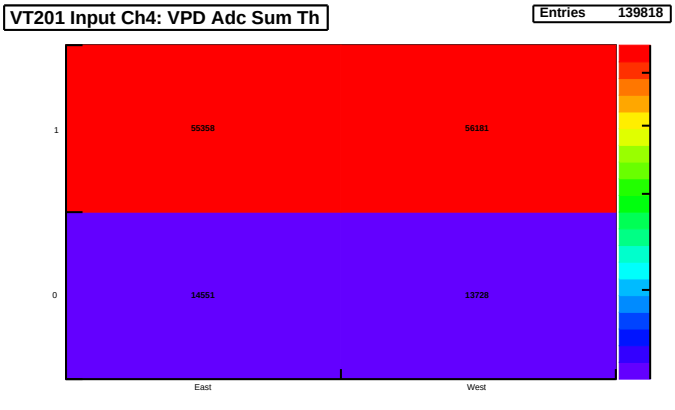

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

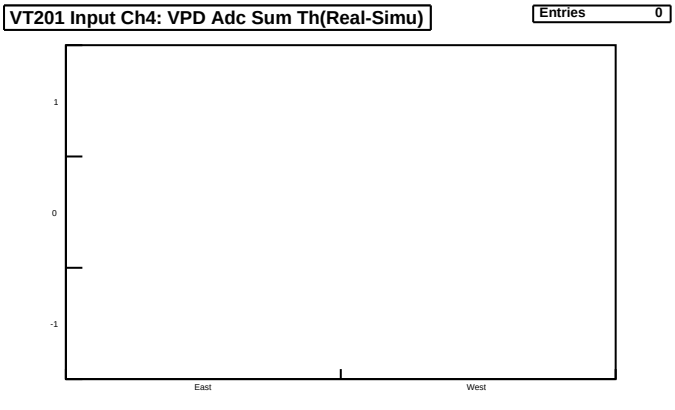

VT201 Input Ch2: ZDC Adc Sum Th
Entries 559272
3667
836
2
1
2480
1011
15
14
66242
69073
69907
69908
67429
68898
69894
69895
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

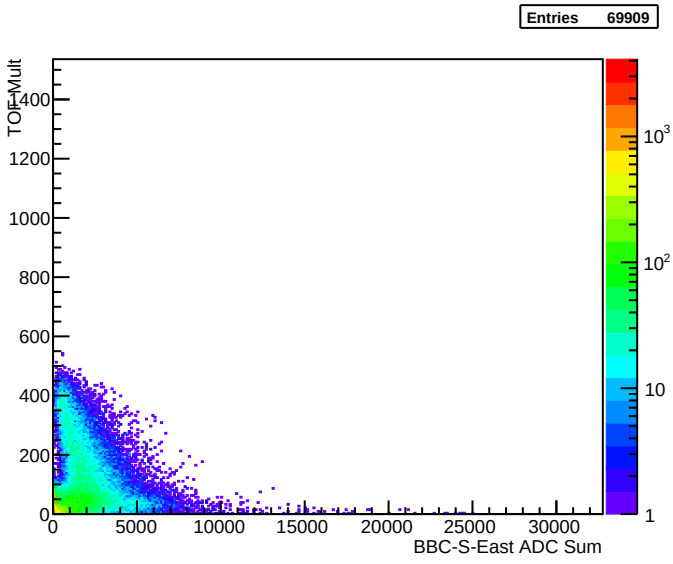

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

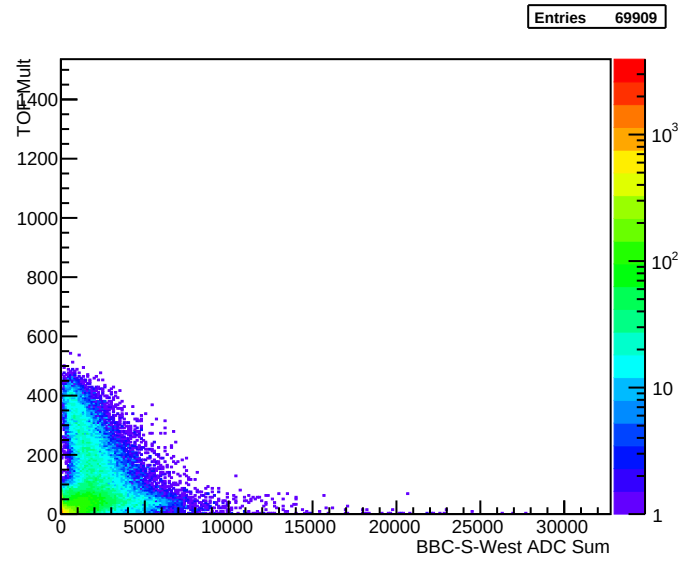

VT201 Input Ch4: VPD Tac Diff
Entries 69909
Tac

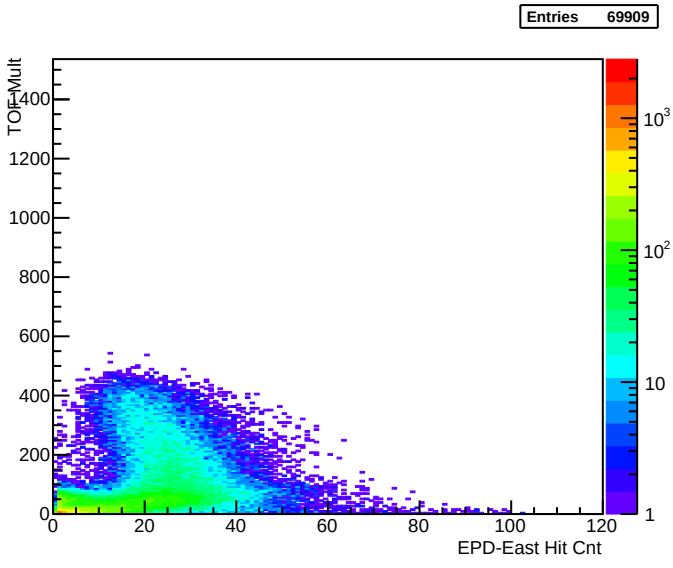

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

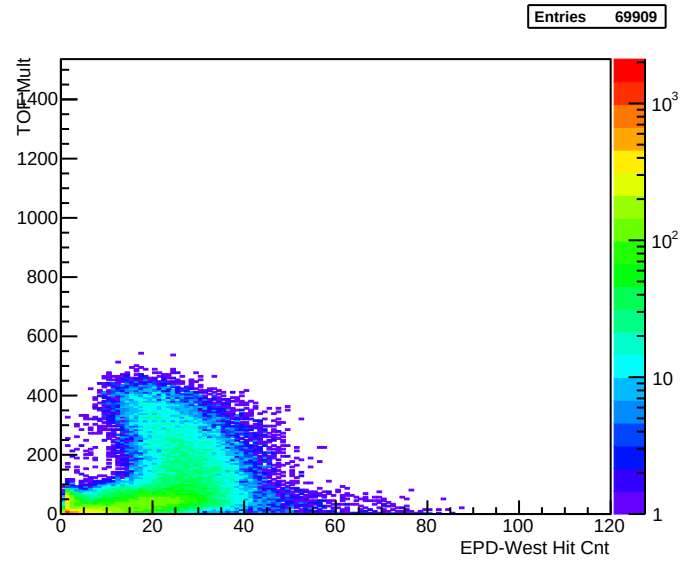

VT201 Input Ch4: VPD Adc Sum Th
Entries 139818
55358
56181
14551
13728
East
West

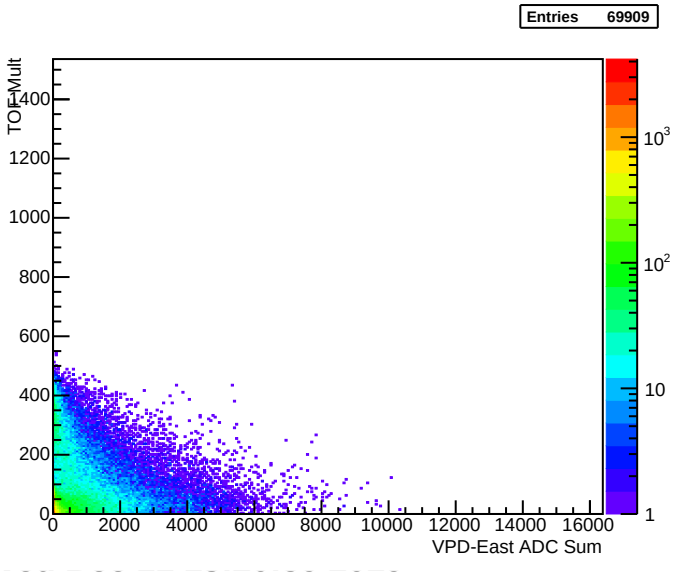

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

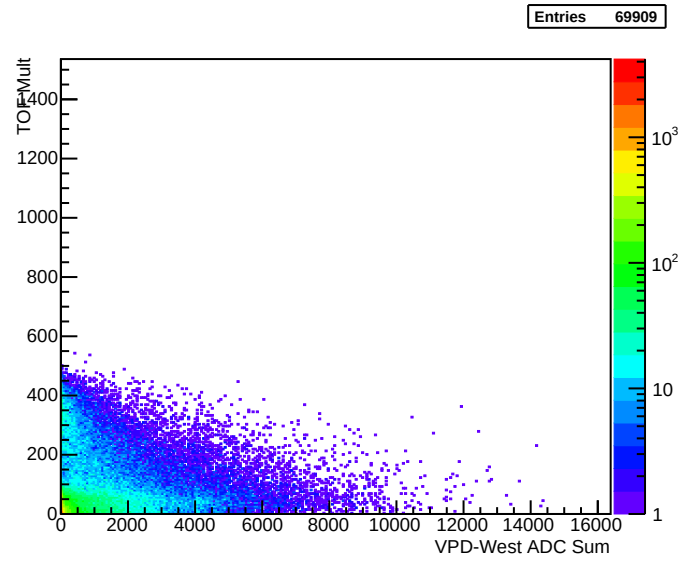

Entries 69909
TOF-Mult
BBC-S-East ADC Sum

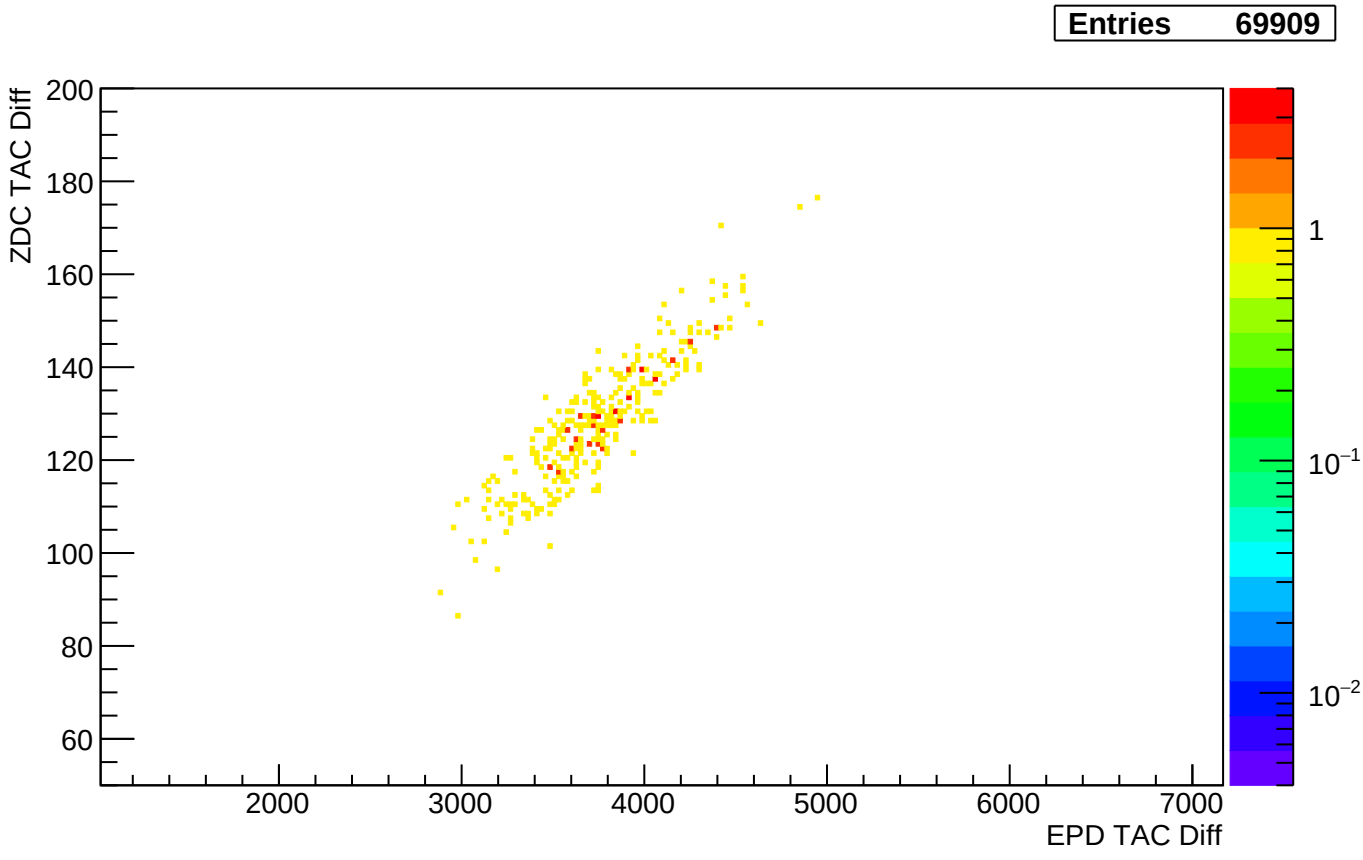

Entries 69909
TOF-Mult
BBC-S-West ADC Sum

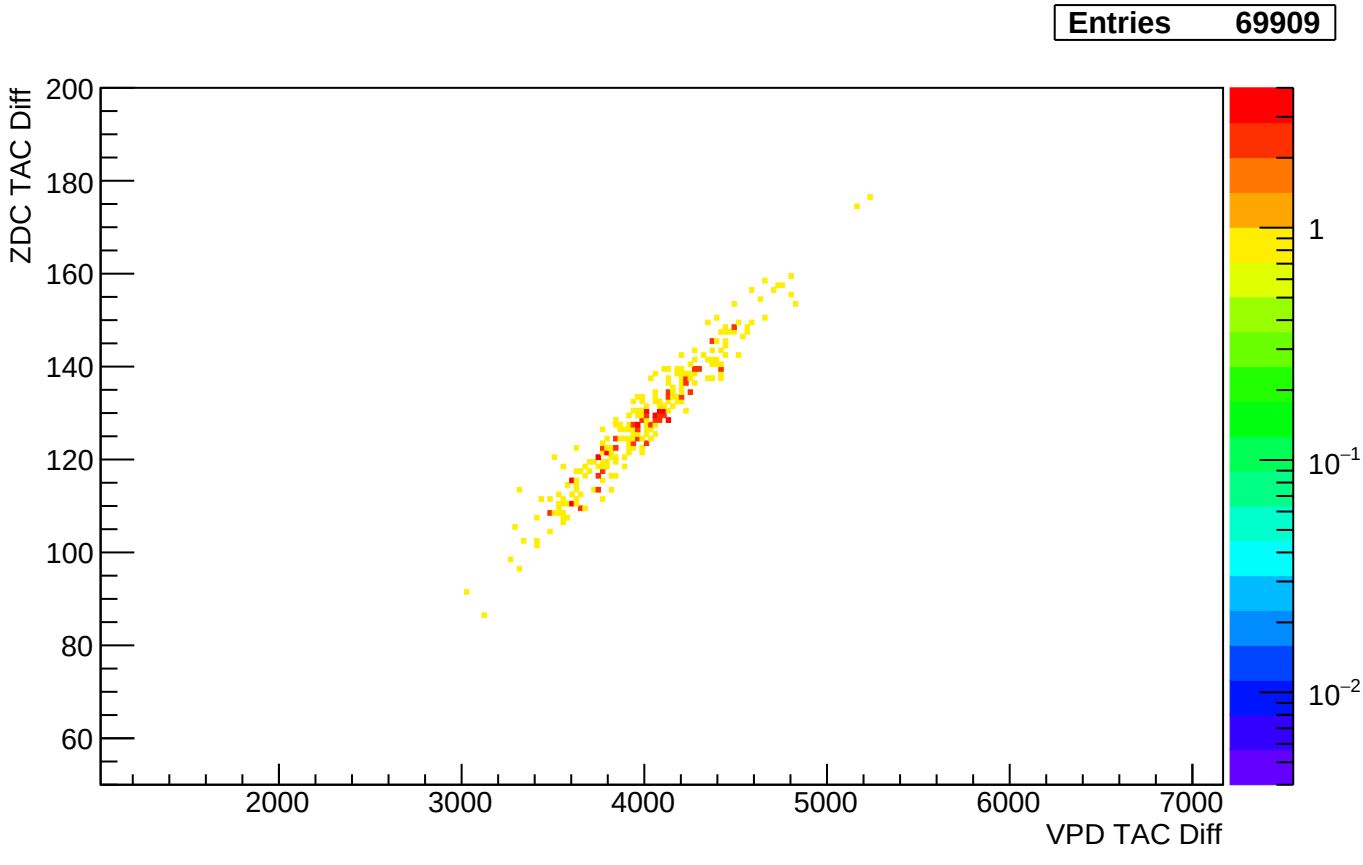

Entries 69909
TOF-Mult
EPD-East Hit Cnt

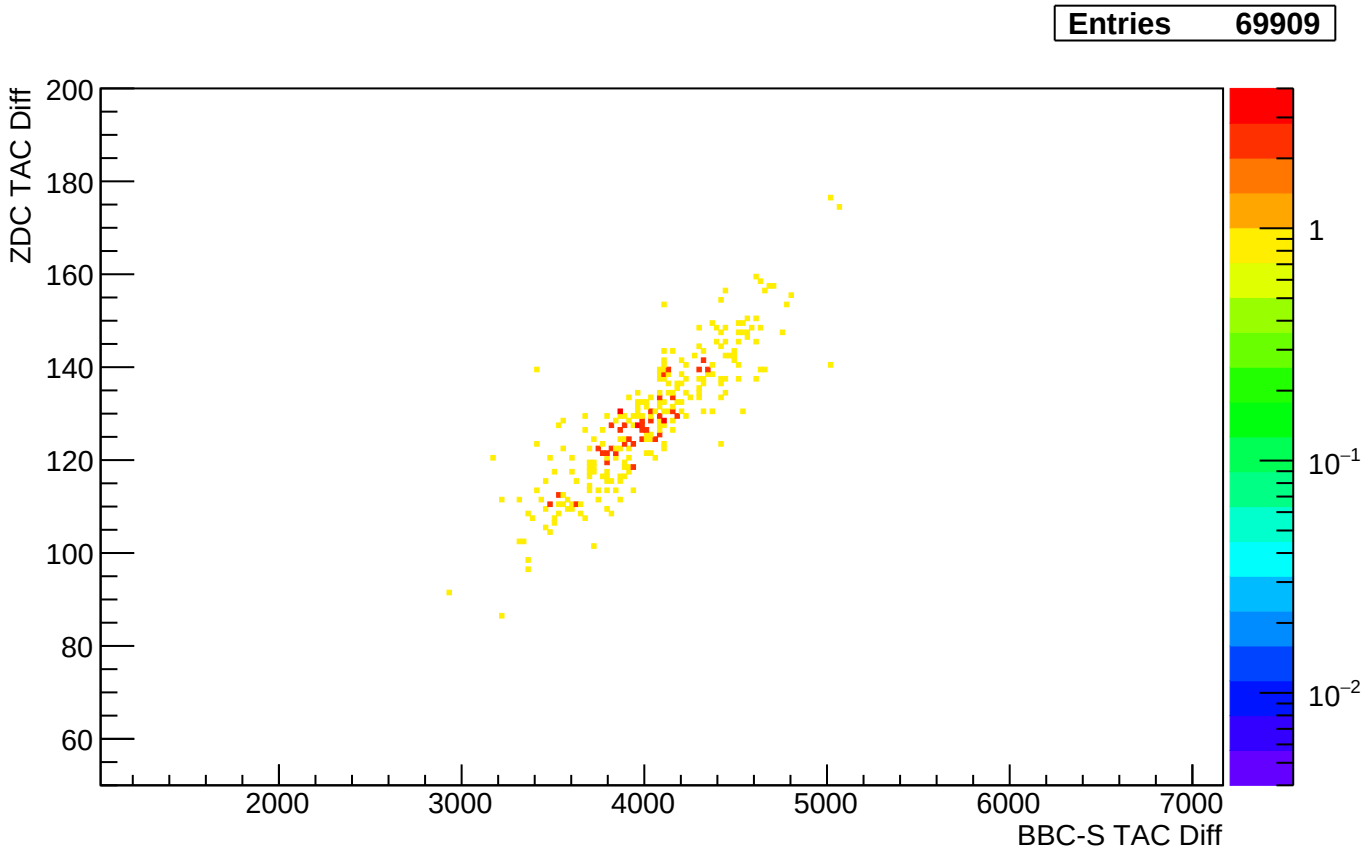

Entries 69909
TOF-Mult
EPD-West Hit Cnt

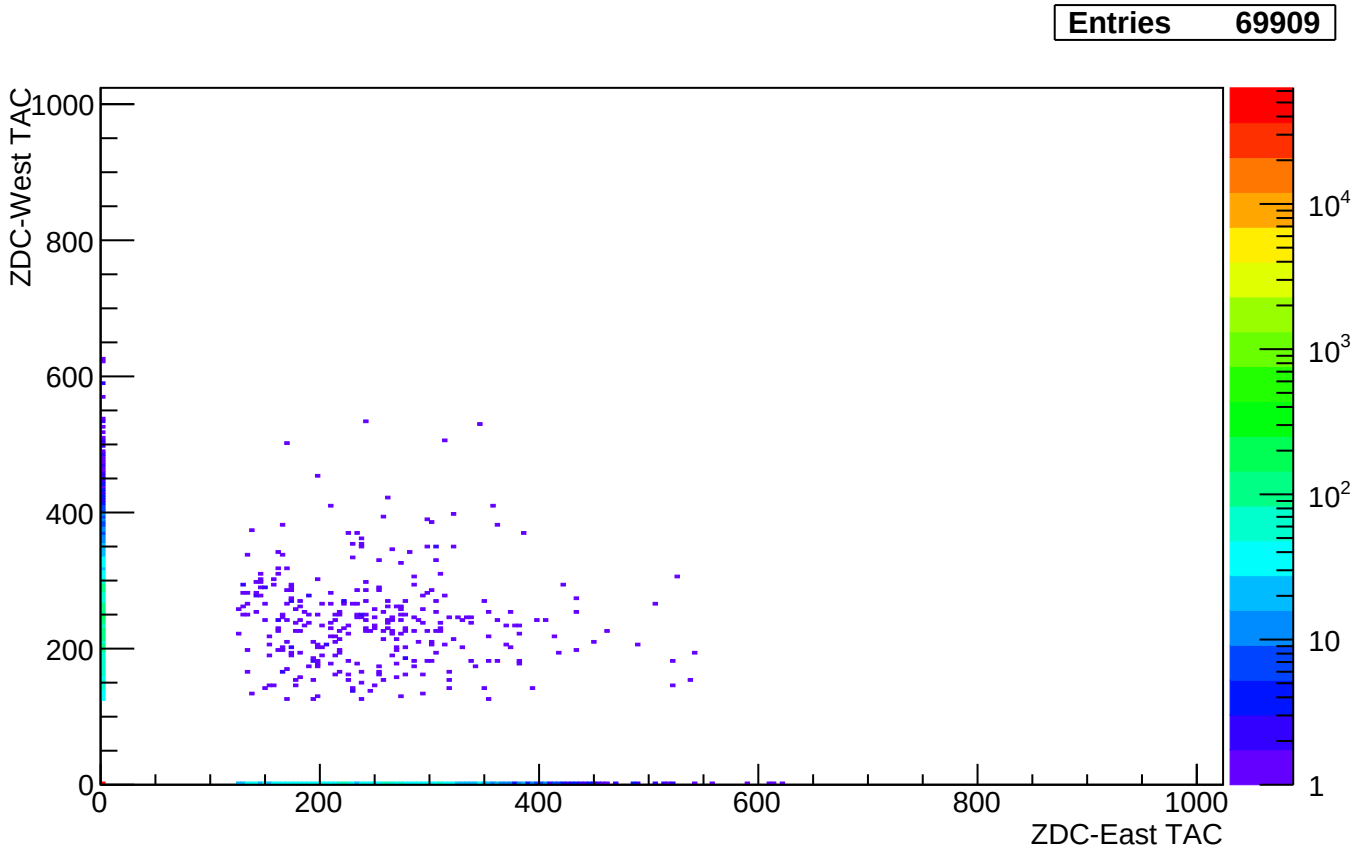

Entries 69909
TOF-Mult
VPD-East ADC Sum

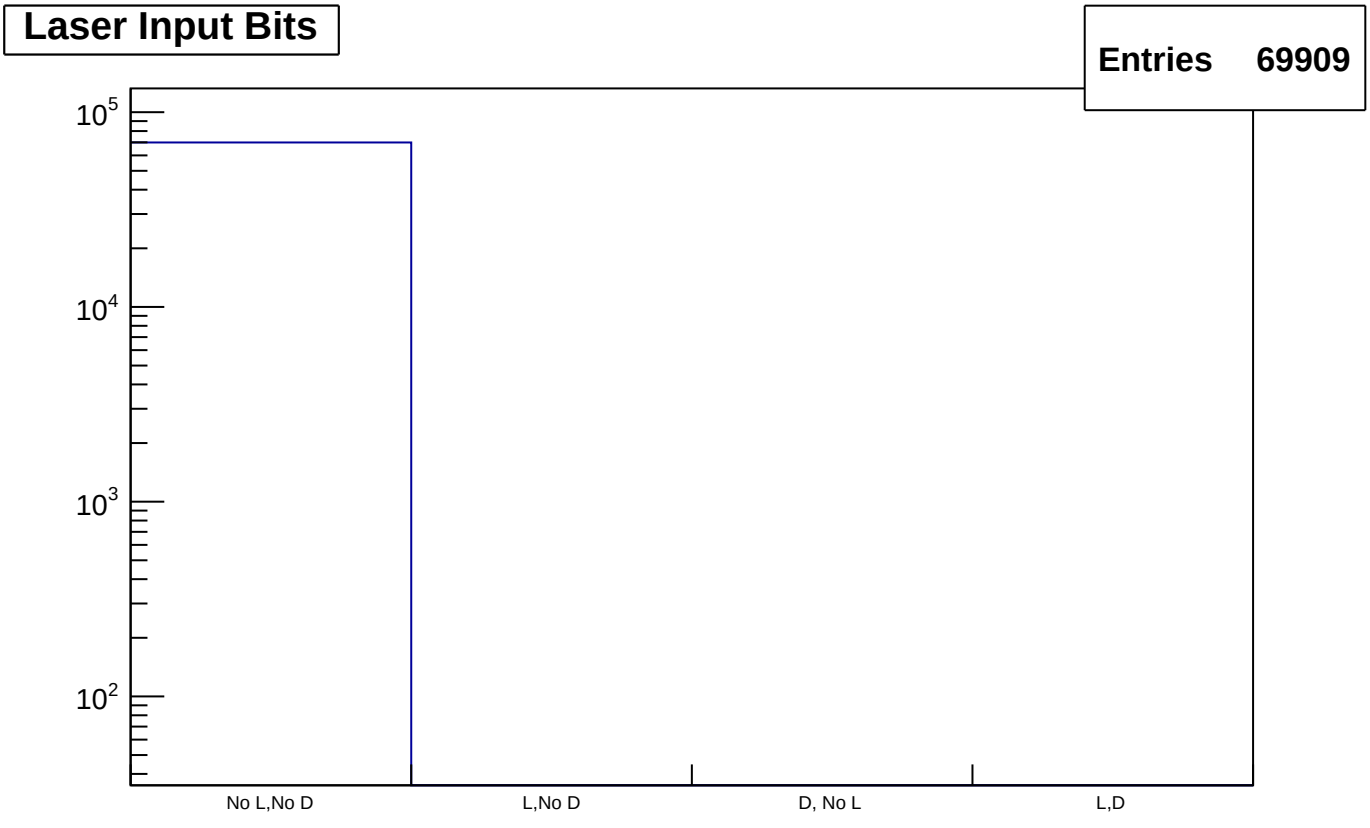

Entries 69909
TOF-Mult
VPD-West ADC Sum

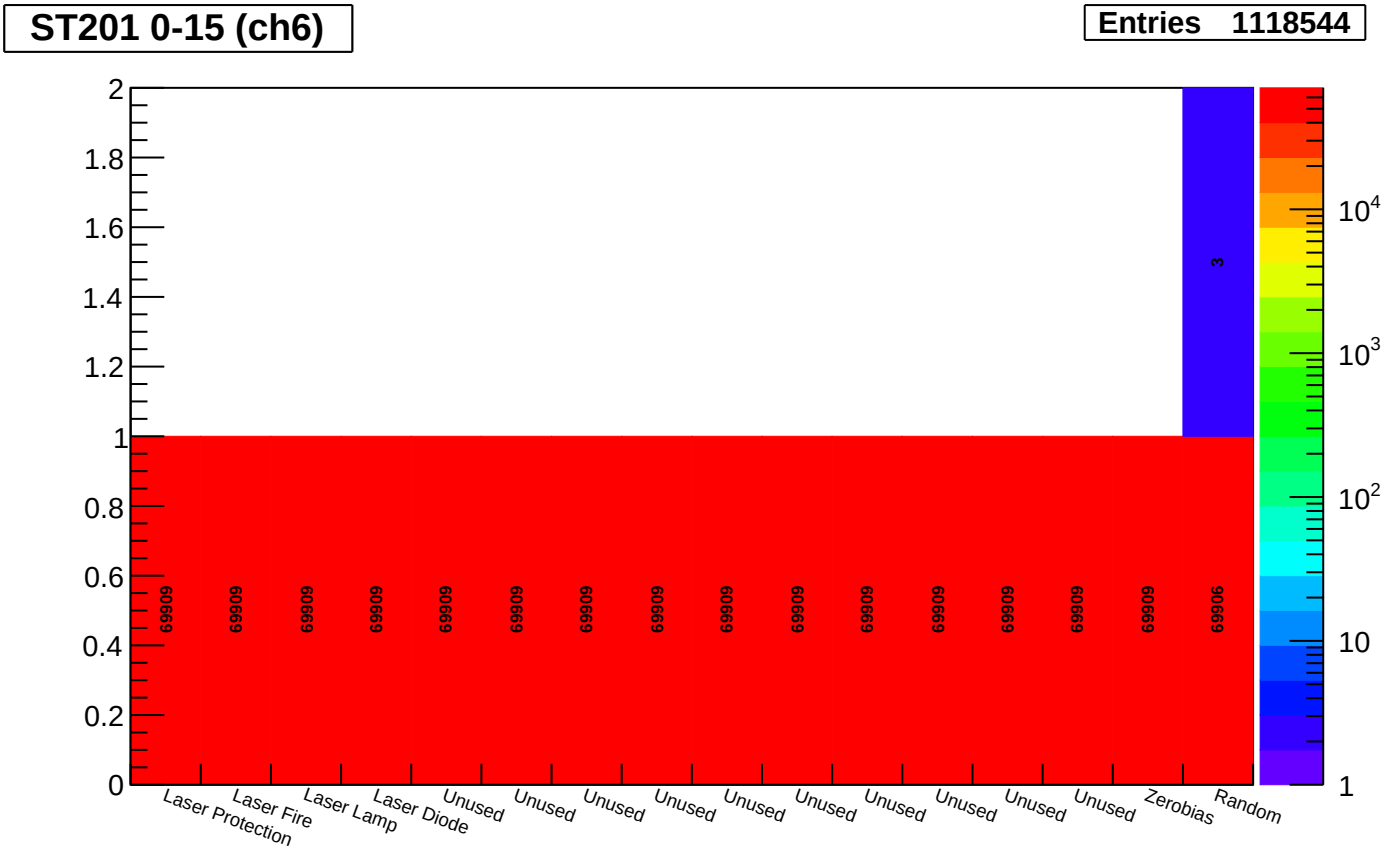

Entries 69909
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

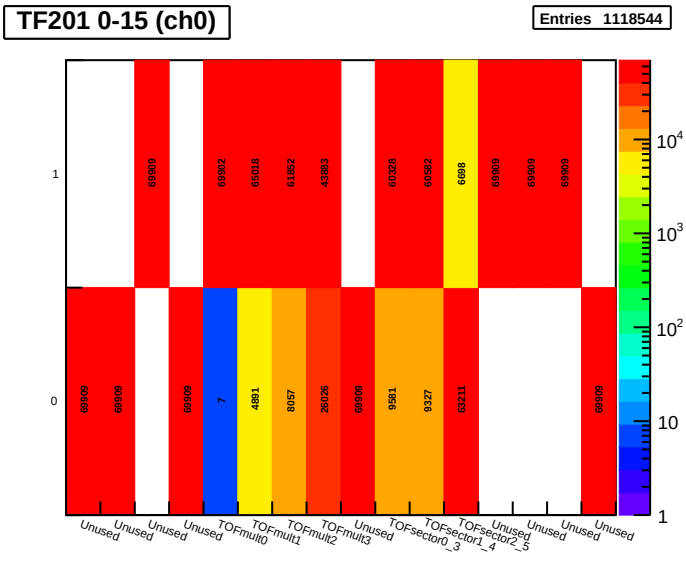

Entries 69909
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

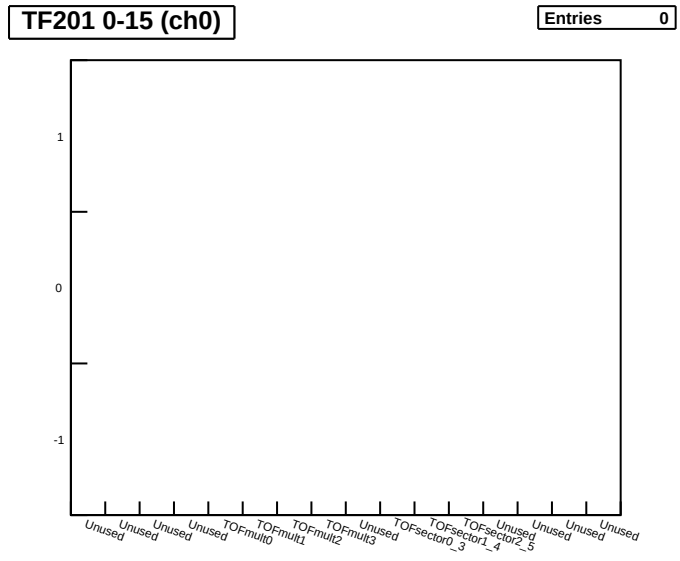

Entries 69909
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

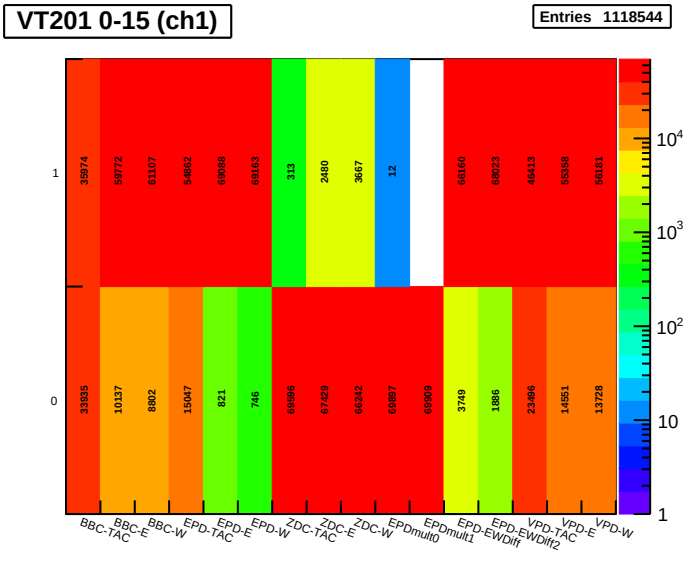

Entries 69909
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^4
10^3
10^2
10
1

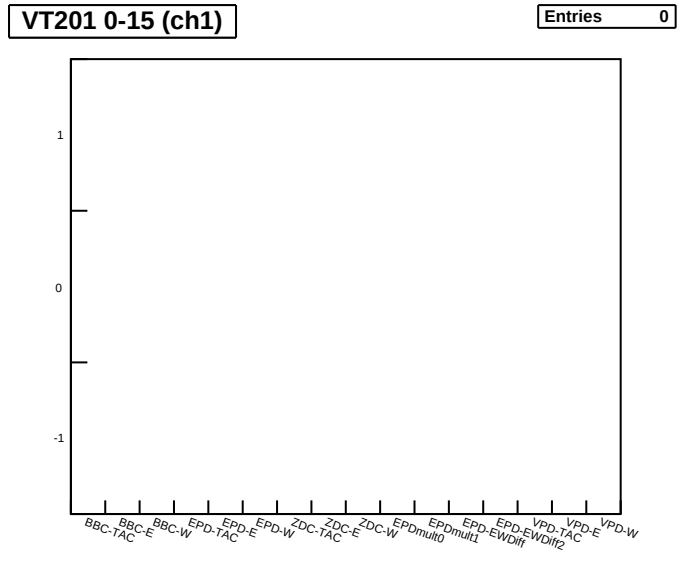

Laser Input Bits
Entries 69909
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

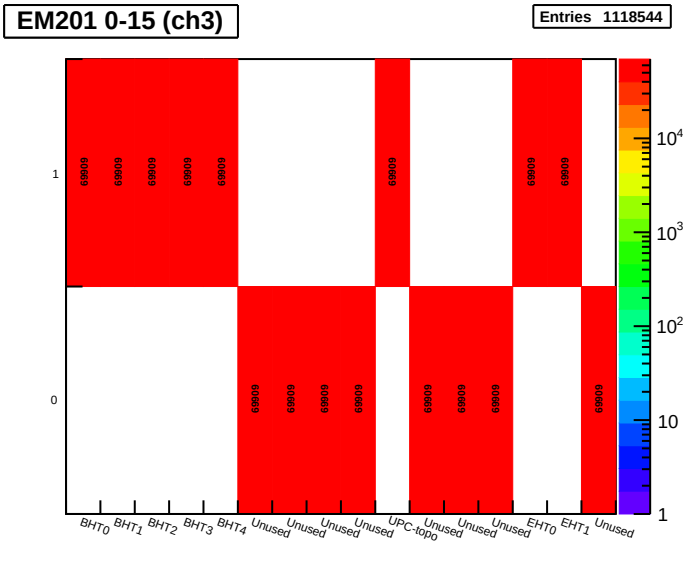

ST201 0-15 (ch6)
Entries 1118544
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
10^4
10^3
10^2
10
1
3
69906
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

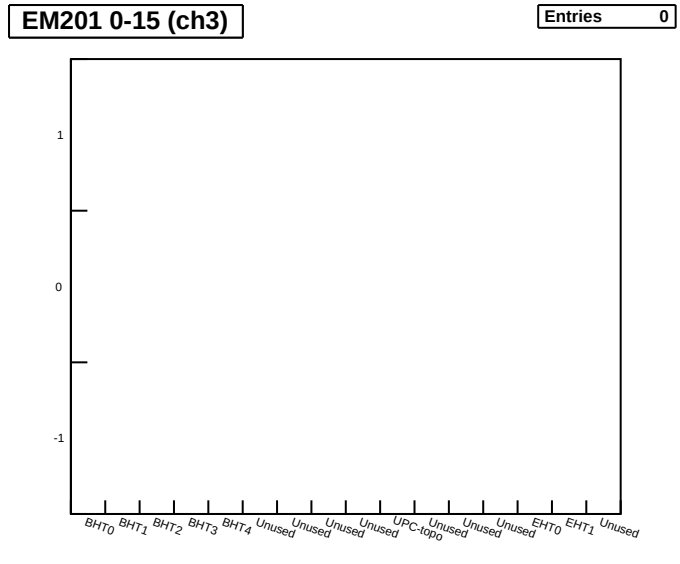

TF201 0-15 (ch0)
Entries 1118544
1
0
69909
69902
65018
61852
43883
60328
60582
6698
69909
69909
69909
69909
69909
7
4891
8057
26026
69909
9581
9327
63211
69909
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 1118544
1
0
39974
59772
61107
54862
69088
69163
313
2480
3667
12
65160
69023
45413
53358
55181
33935
10137
8802
15047
821
746
69596
67429
66242
69897
69909
3749
1886
23486
14551
13728
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 1118544
1
0
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
69909
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^4
10^3
10^2
10
1


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1