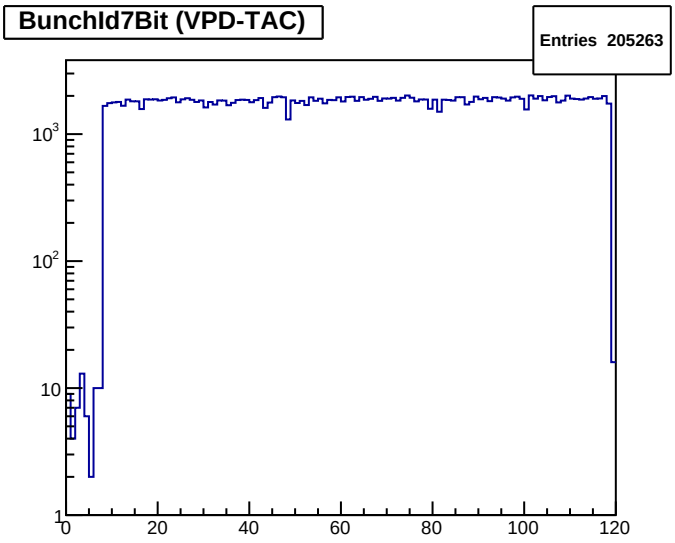
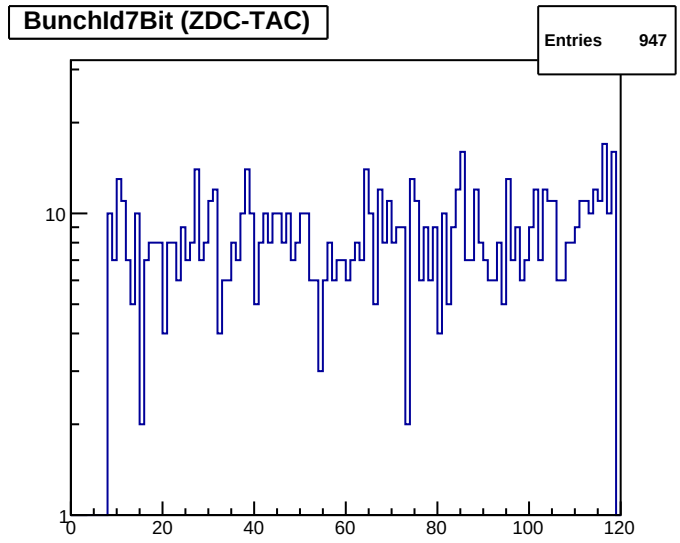
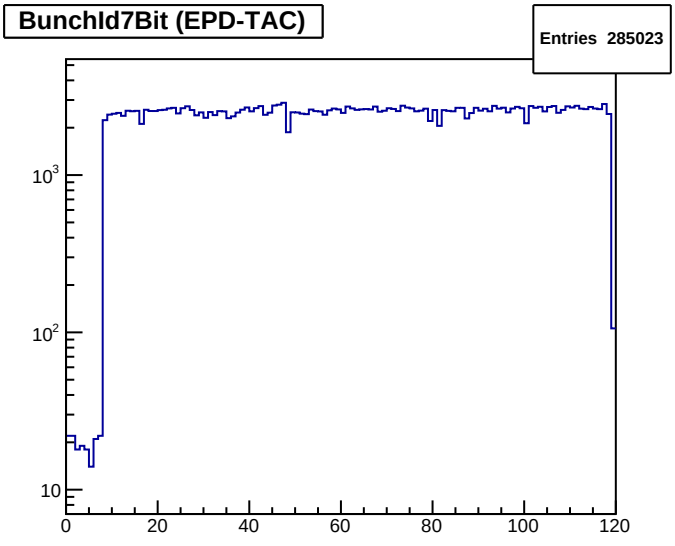
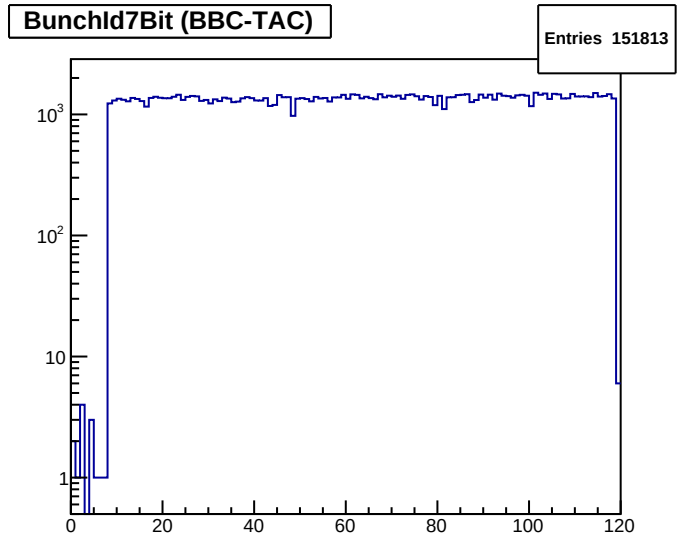
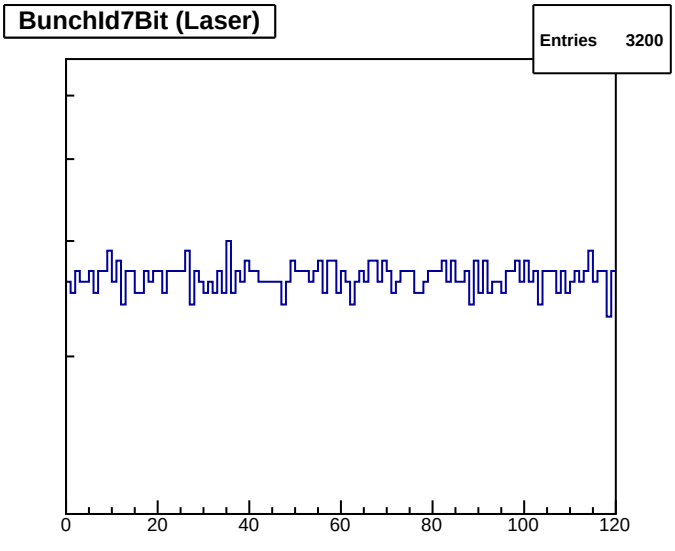
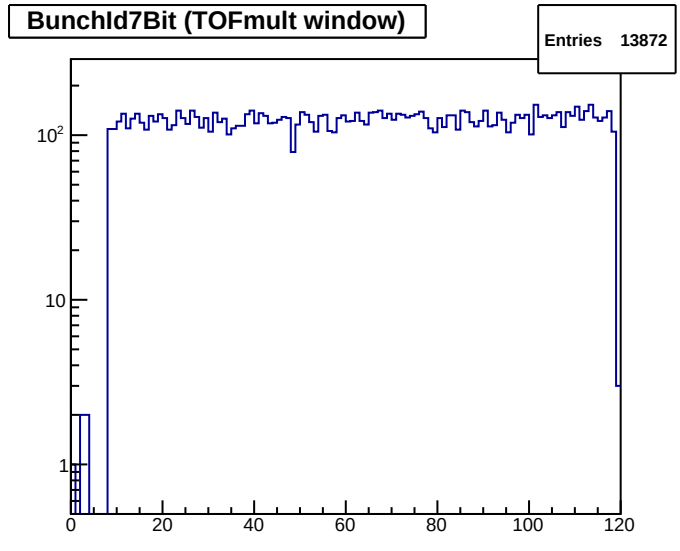

BunchId7Bit (VPD-TAC)
Entries 205263
10^3
10^2
10
1
0
20
40
60
80
100
120

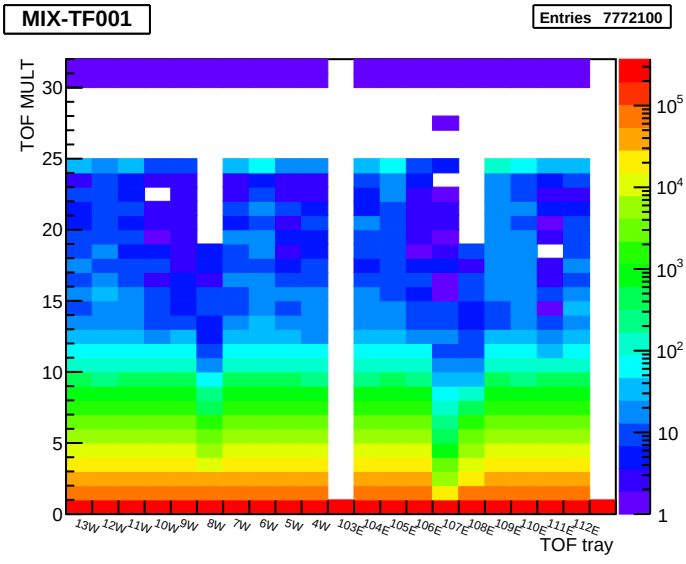

BunchId7Bit (ZDC-TAC)
Entries 947
10
1
0
20
40
60
80
100
120

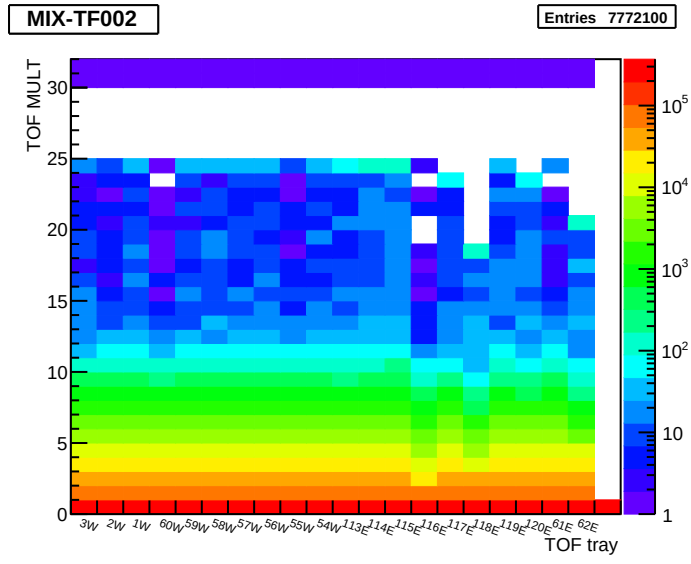

BunchId7Bit (EPD-TAC)
Entries 285023
10^3
10^2
10
0
20
40
60
80
100
120

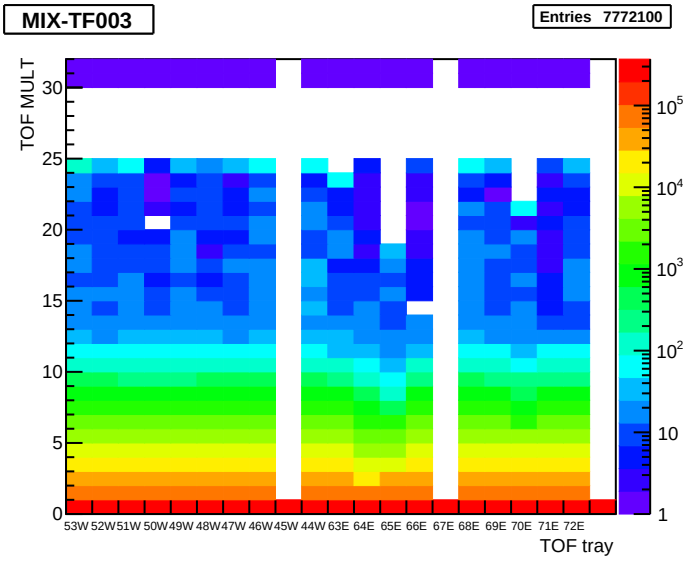

BunchId7Bit (BBC-TAC)
Entries 151813
10^3
10^2
10
1
0
20
40
60
80
100
120

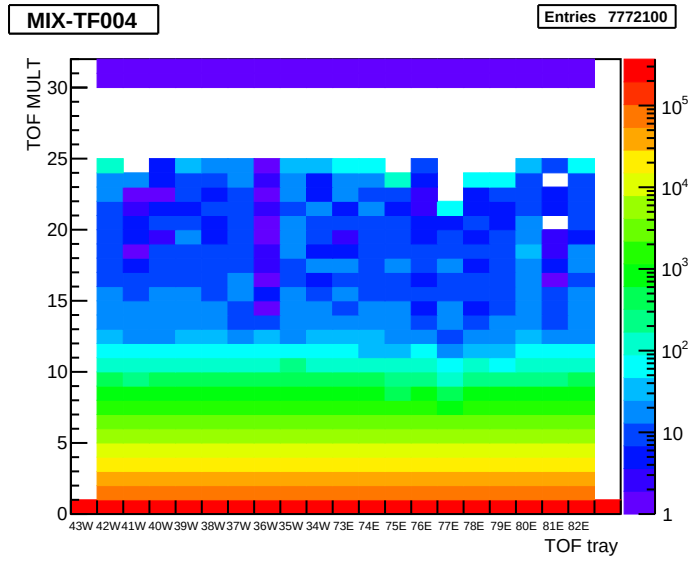

BunchId7Bit (Laser)
Entries 3200
0
20
40
60
80
100
120

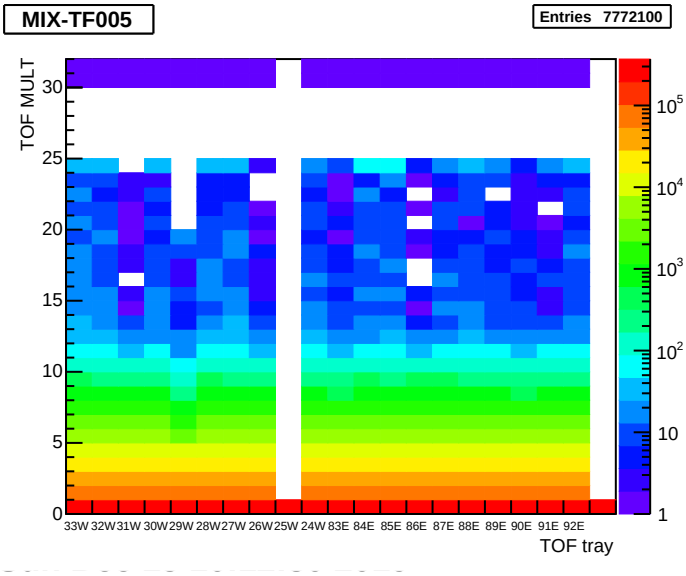

BunchId7Bit (TOFmult window)
Entries 13872
10^2
10
1
0
20
40
60
80
100
120

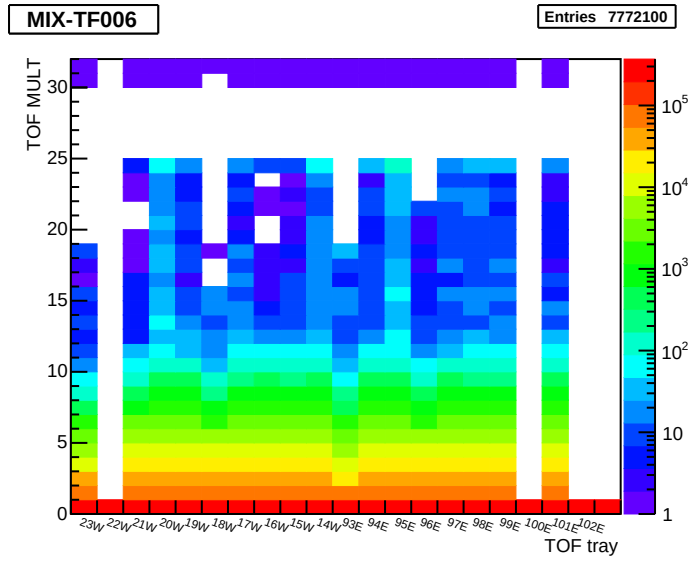

MIX-TF001
Entries 7772100
TOF MULT
TOF tray

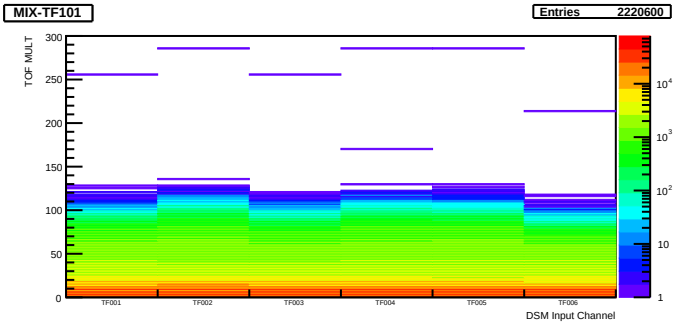

MIX-TF002
Entries 7772100
TOF MULT
TOF tray

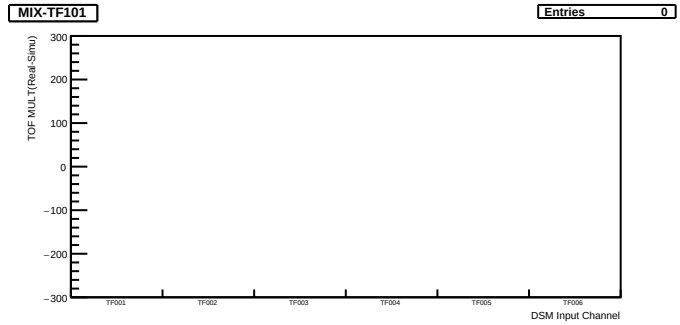

MIX-TF003
Entries 7772100
TOF MULT
TOF tray

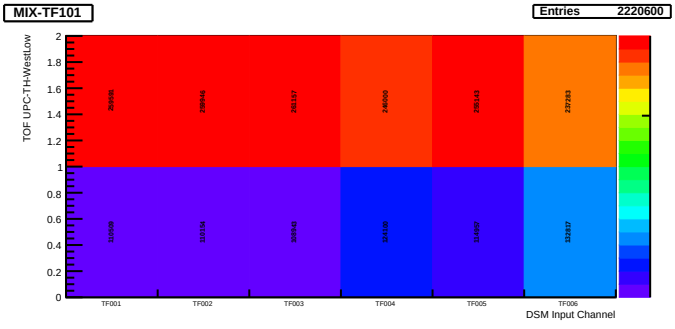

MIX-TF004
Entries 7772100
TOF MULT
TOF tray

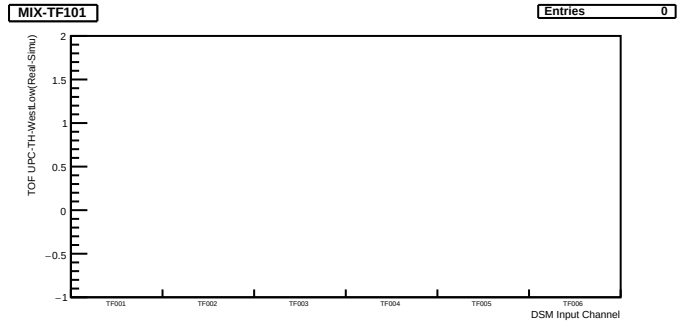

MIX-TF005
Entries 7772100
TOF MULT
TOF tray

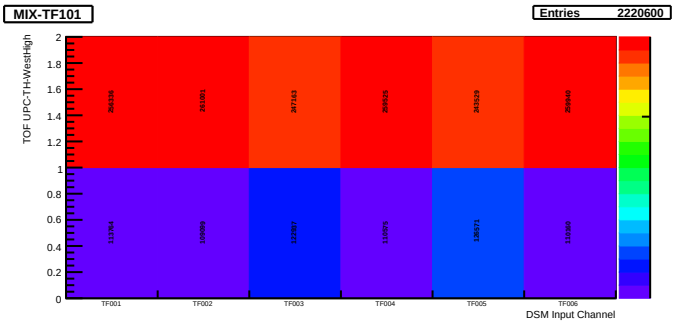

MIX-TF006
Entries 7772100
TOF MULT
TOF tray

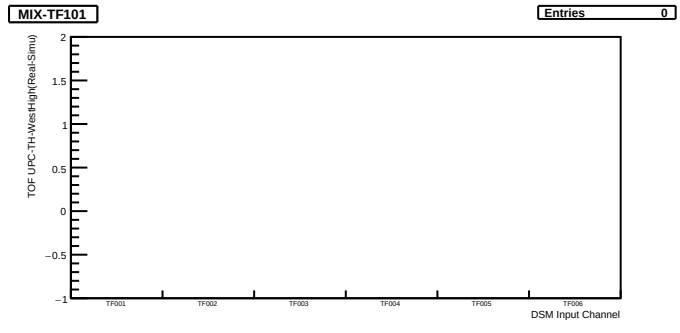

MIX-TF101
Entries 2220600
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

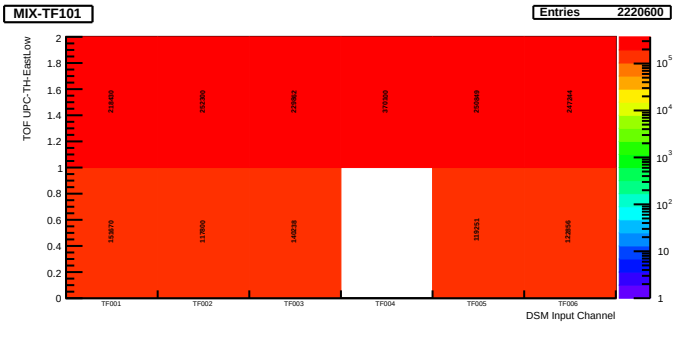

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

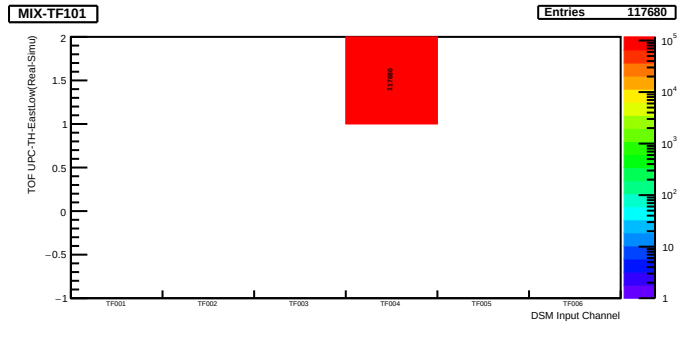

MIX-TF101
Entries 2220600
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

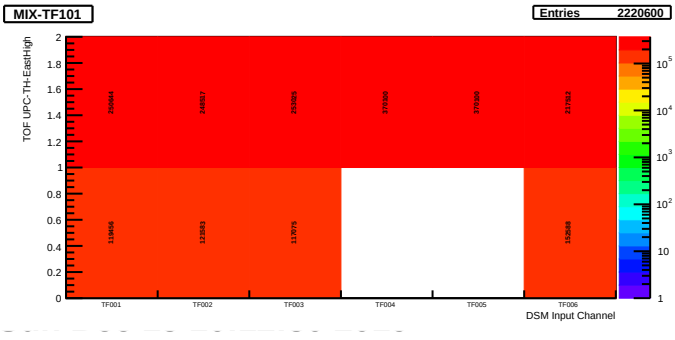

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

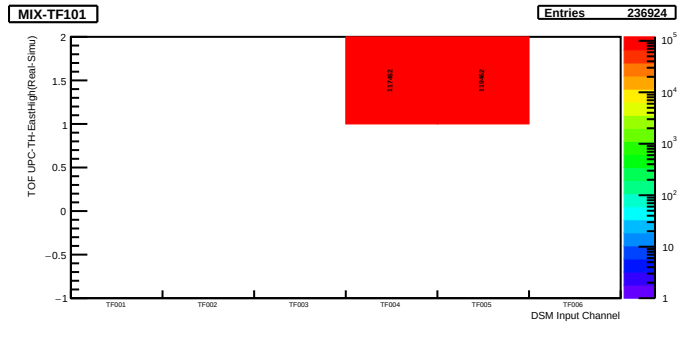

MIX-TF101
Entries 2220600
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

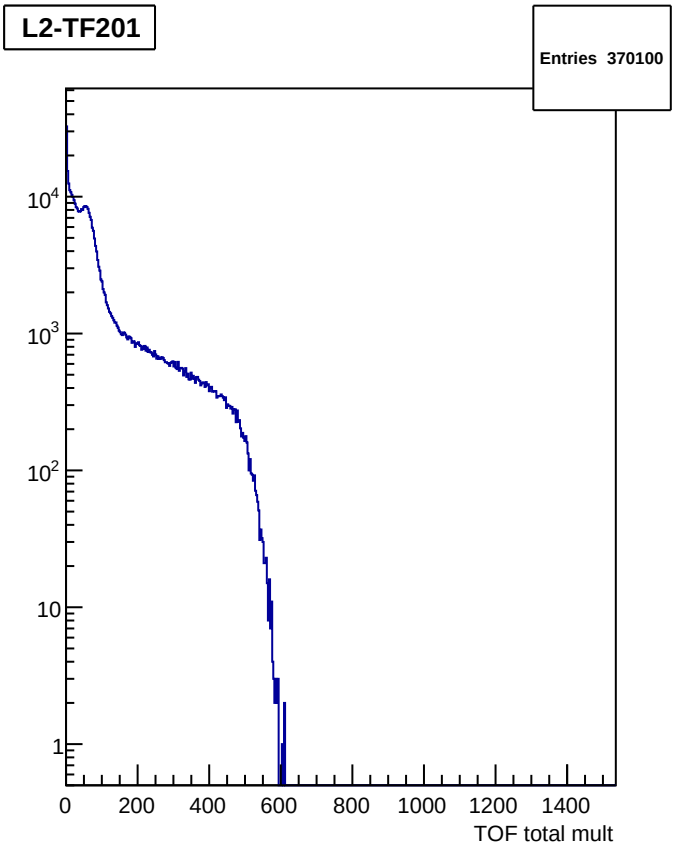

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

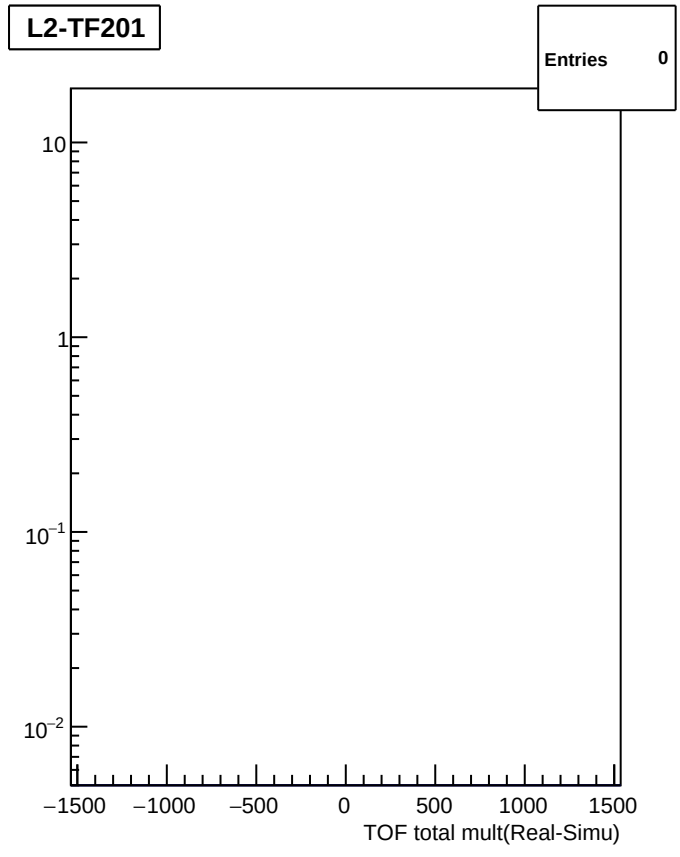

MIX-TF101
Entries 2220600
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

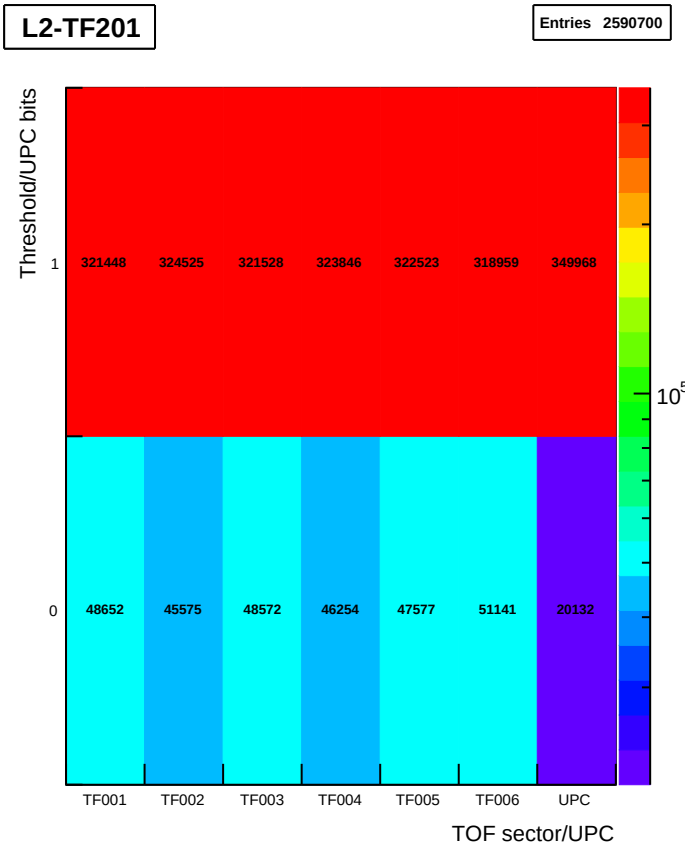

MIX-TF101
Entries 117680
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

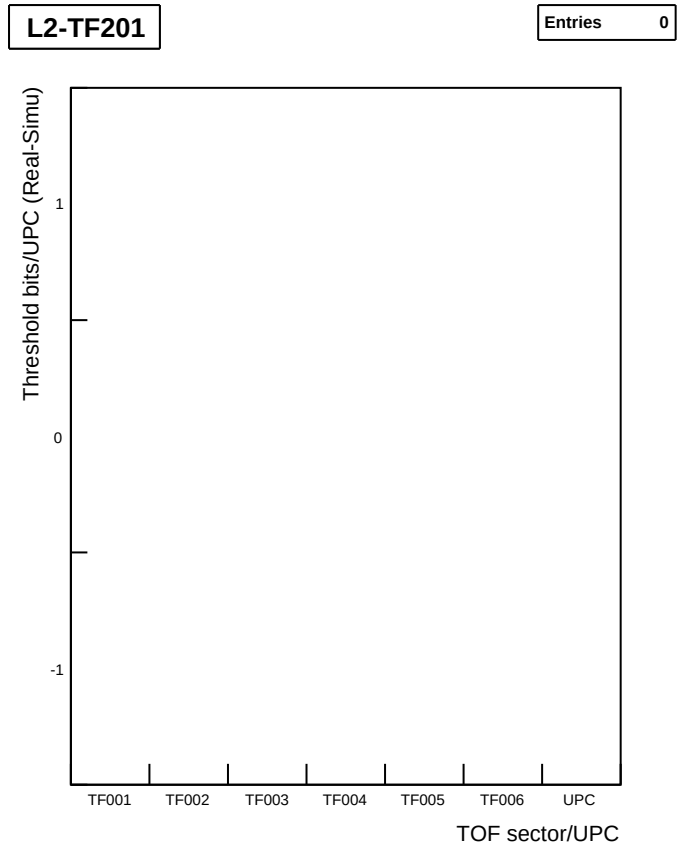

MIX-TF101
Entries 2220600
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

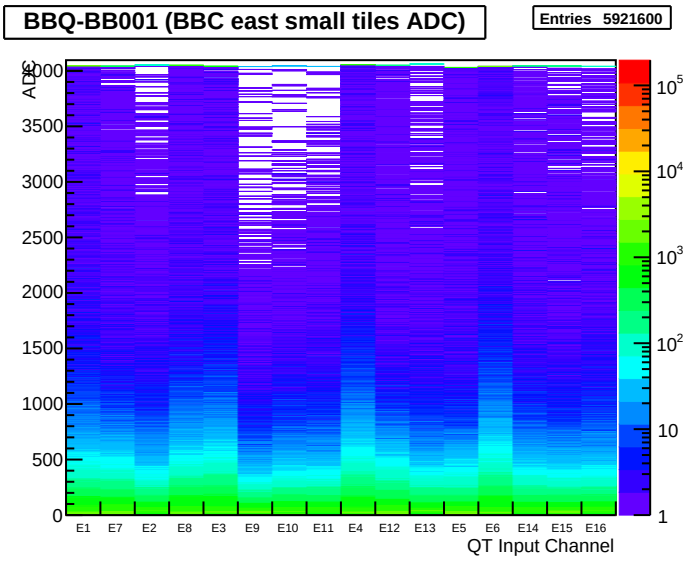

MIX-TF101
Entries 236924
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

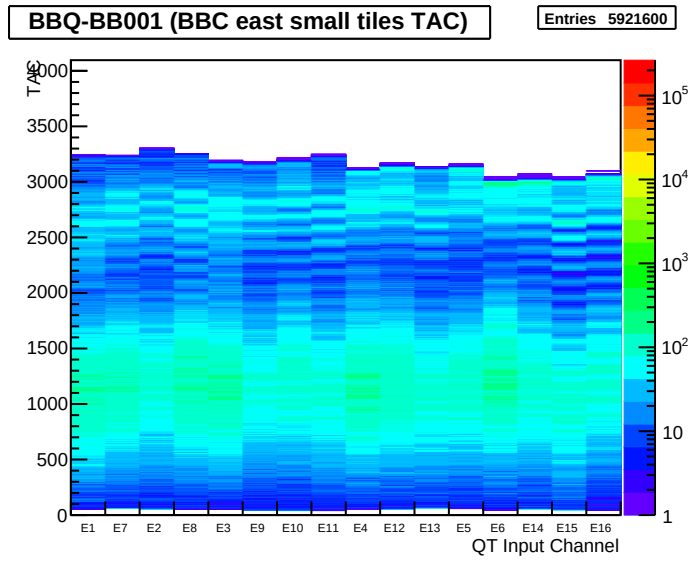

L2-TF201
Entries 370100
TOF total mult

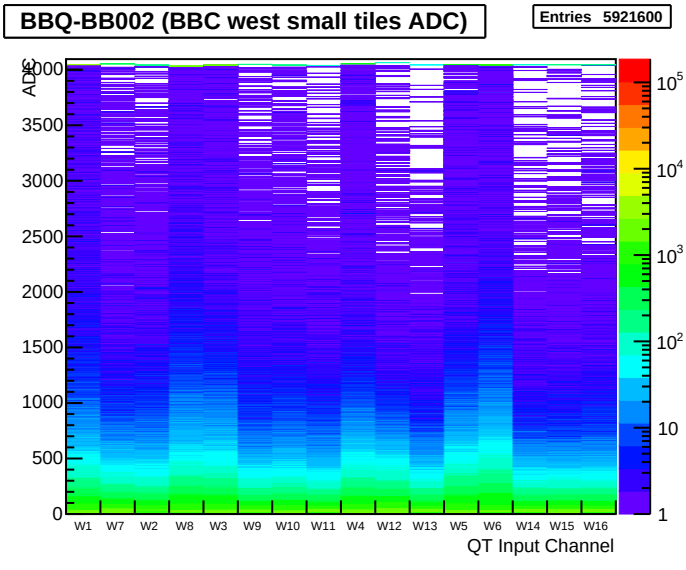

L2-TF201
Entries 0
TOF total mult(Real-Simu)

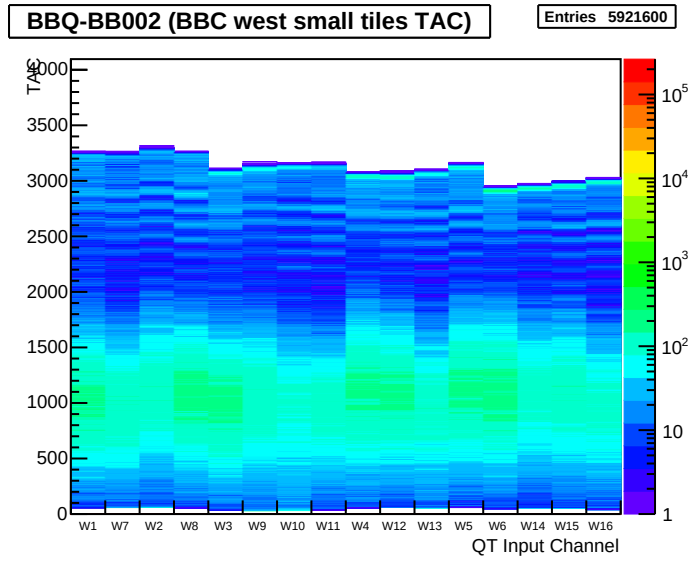

L2-TF201
Entries 2590700
Threshold/UPC bits
321448
324525
321528
323846
322523
318959
349968
48652
45575
48572
46254
47577
51141
20132
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

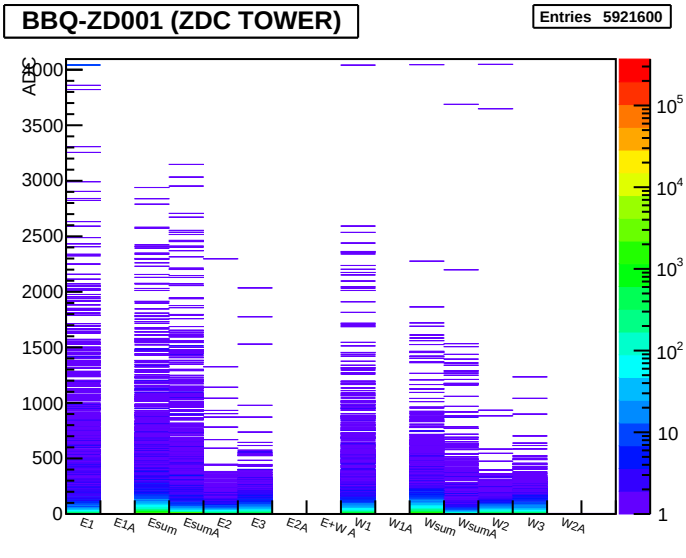

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

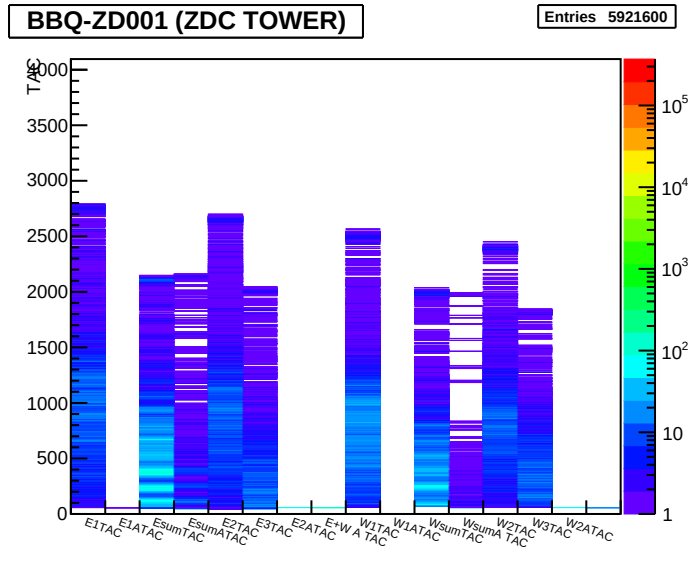

BBQ-BB001 (BBC east small tiles ADC)
Entries 5921600
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

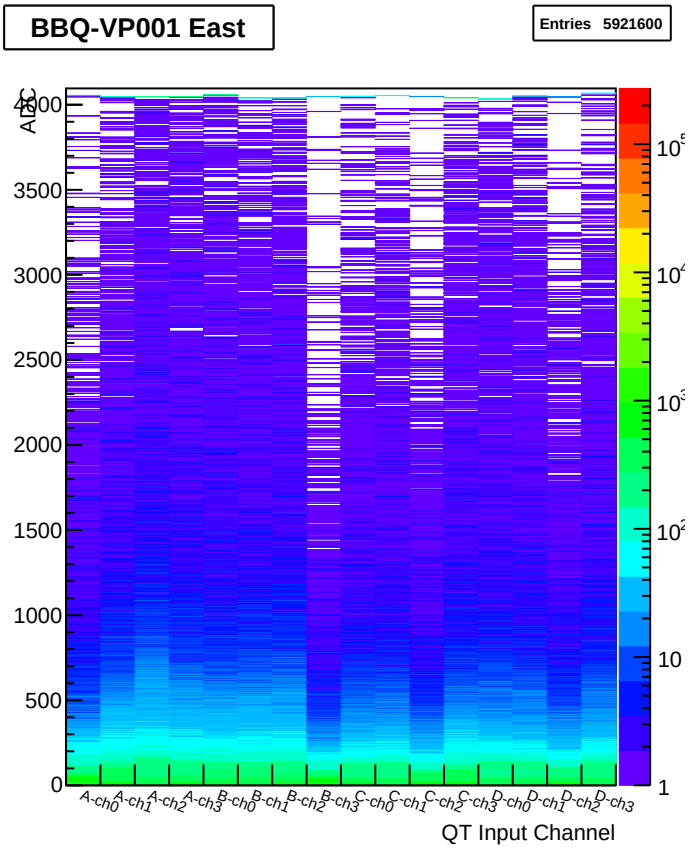

BBQ-BB001 (BBC east small tiles TAC)
Entries 5921600
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

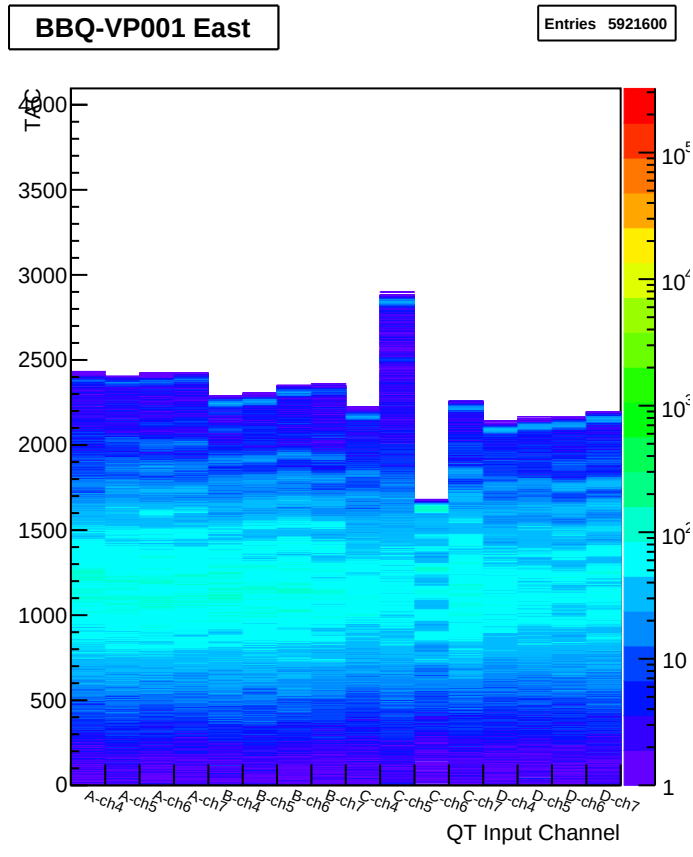

BBQ-BB002 (BBC west small tiles ADC)
Entries 5921600
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

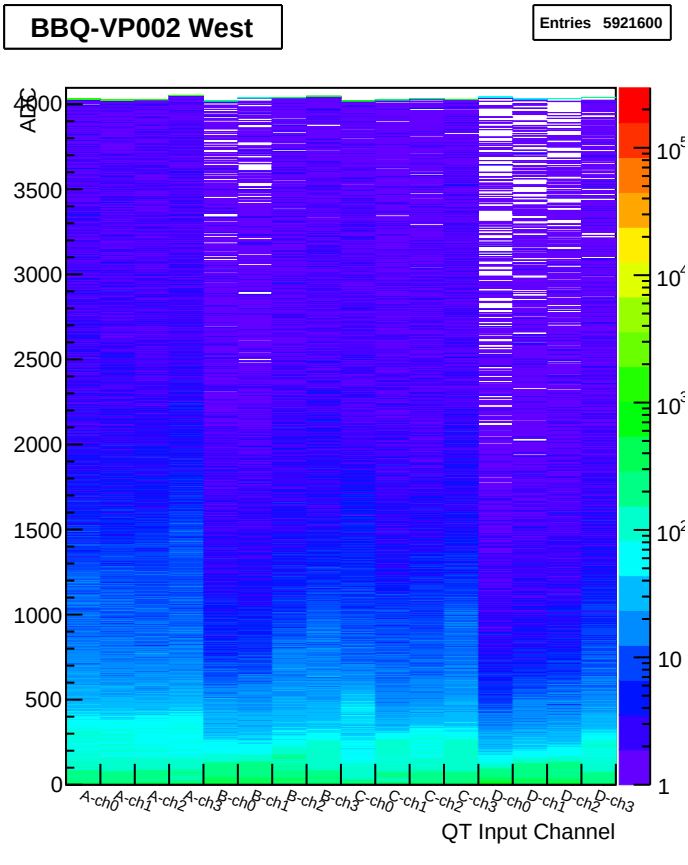

BBQ-BB002 (BBC west small tiles TAC)
Entries 5921600
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

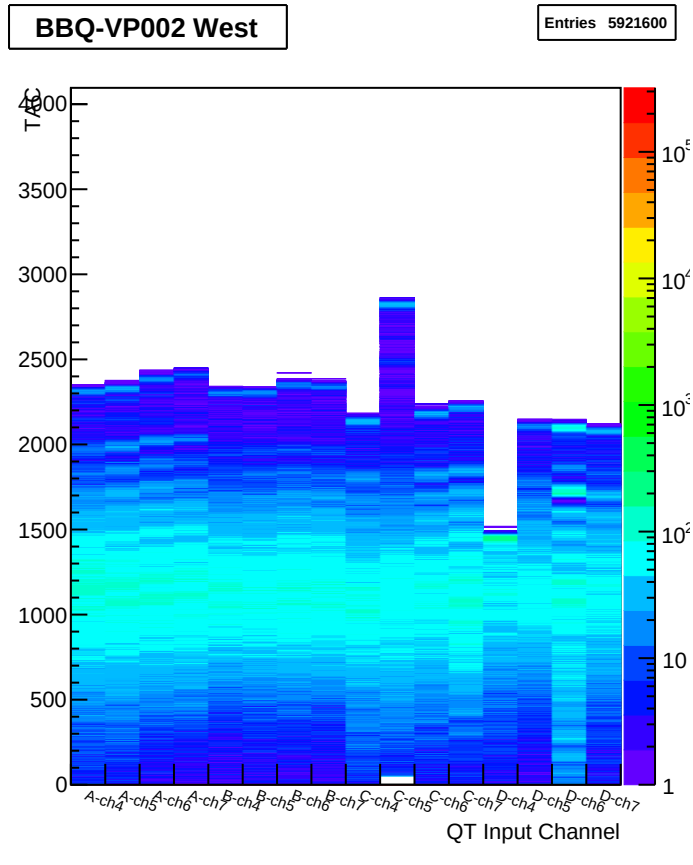

BBQ-ZD001 (ZDC TOWER)
Entries 5921600
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

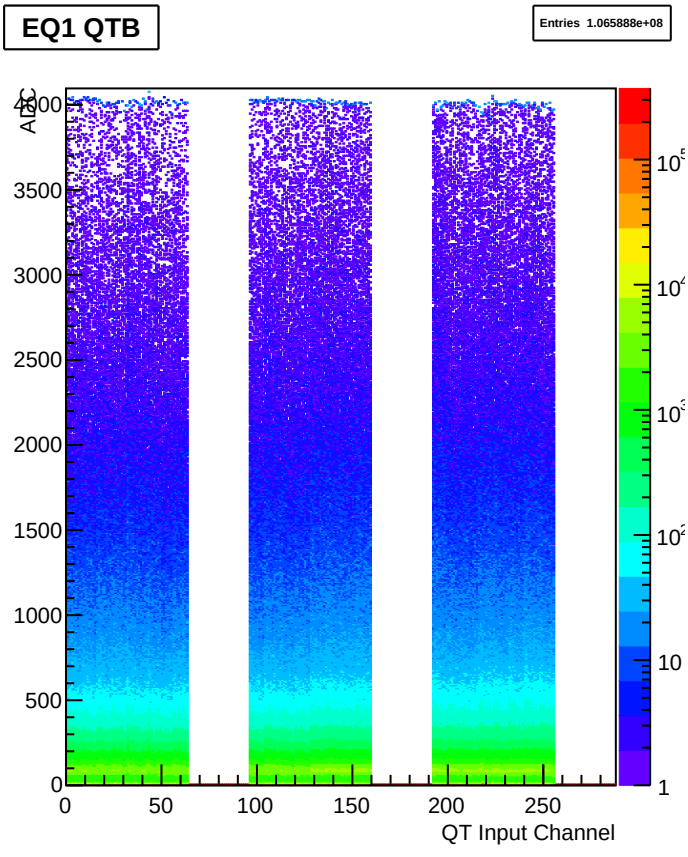

BBQ-ZD001 (ZDC TOWER)
Entries 5921600
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

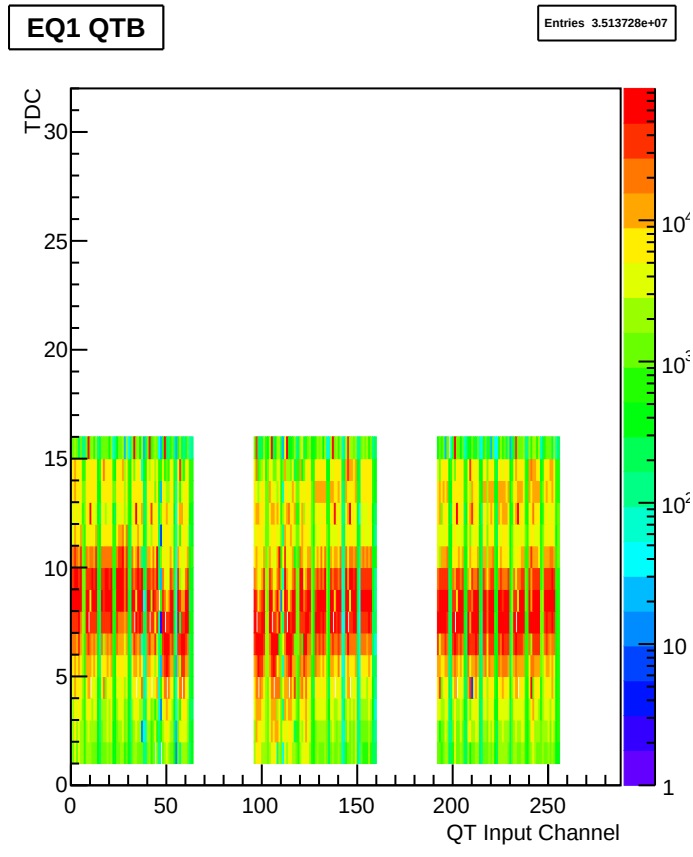

BBQ-VP001 East
Entries 5921600
ADC
QT Input Channel

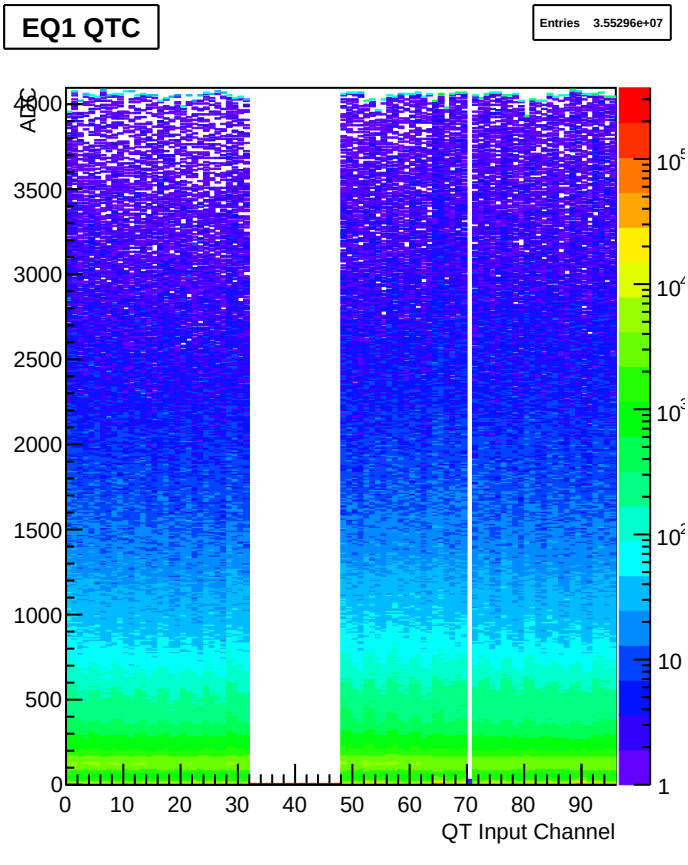

BBQ-VP001 East
Entries 5921600
ADC
QT Input Channel

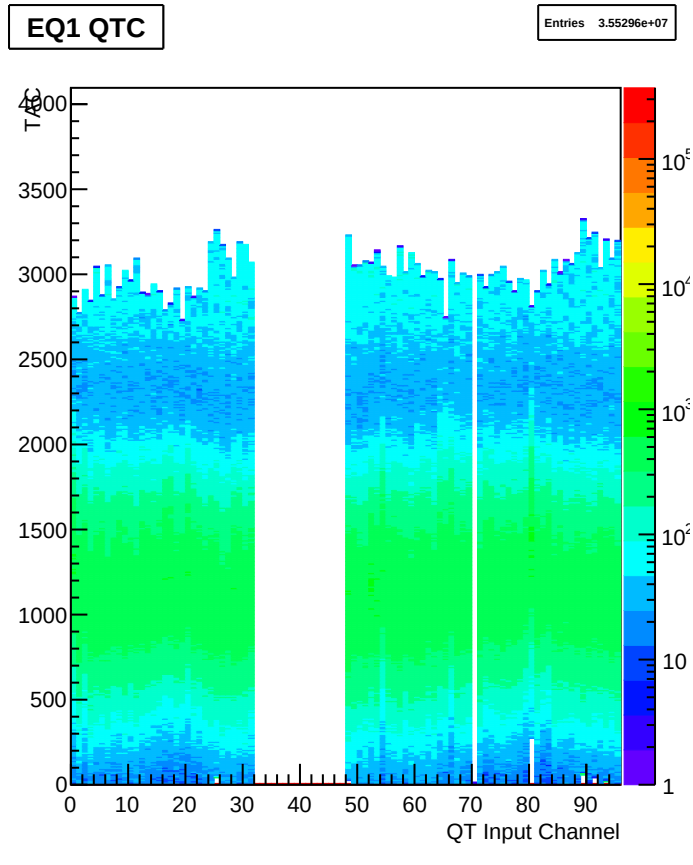

BBQ-VP002 West
Entries 5921600
ADC
QT Input Channel

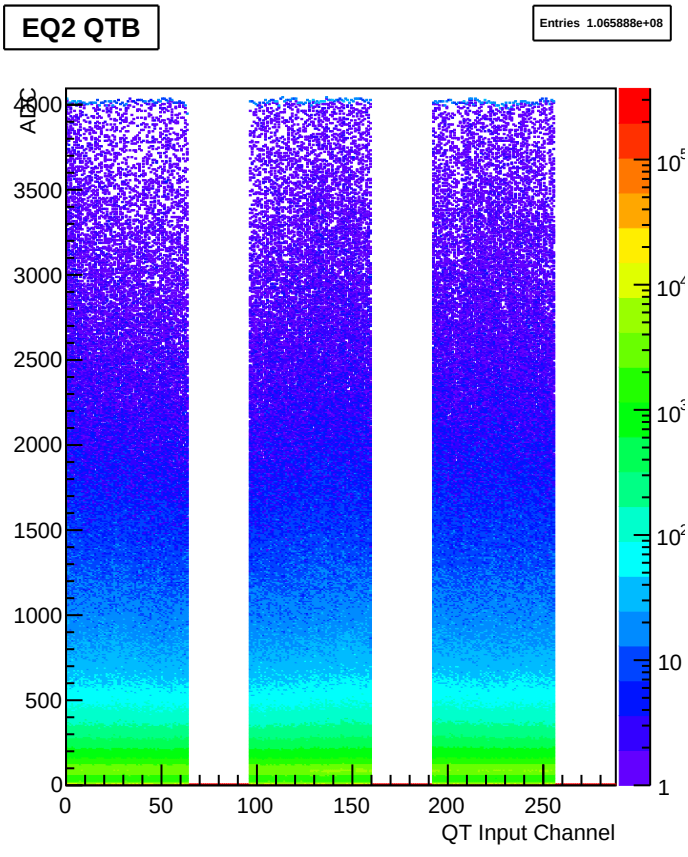

BBQ-VP002 West
Entries 5921600
ADC
QT Input Channel

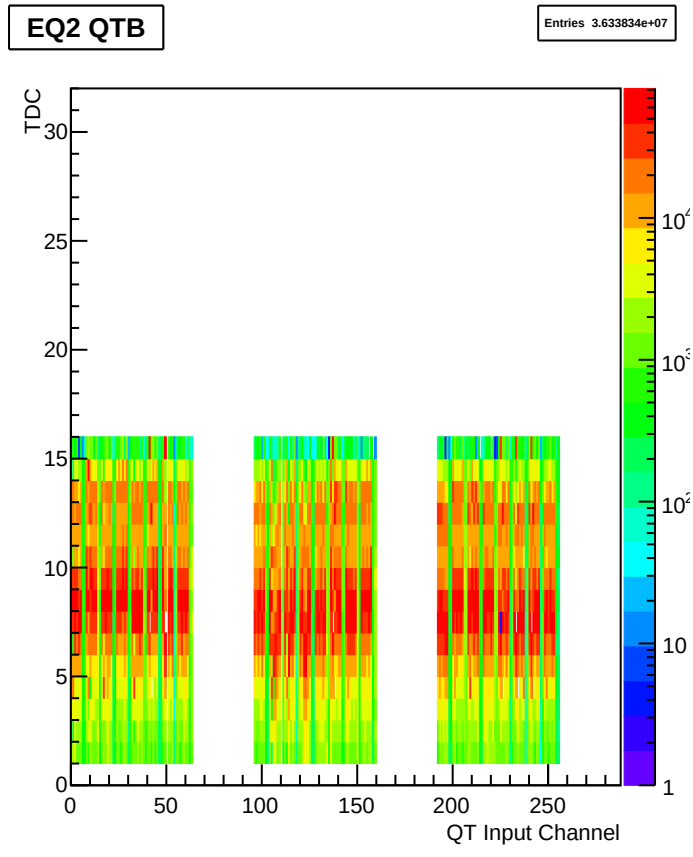

EQ1 QTB
Entries 1.065888e+08
ADC
QT Input Channel

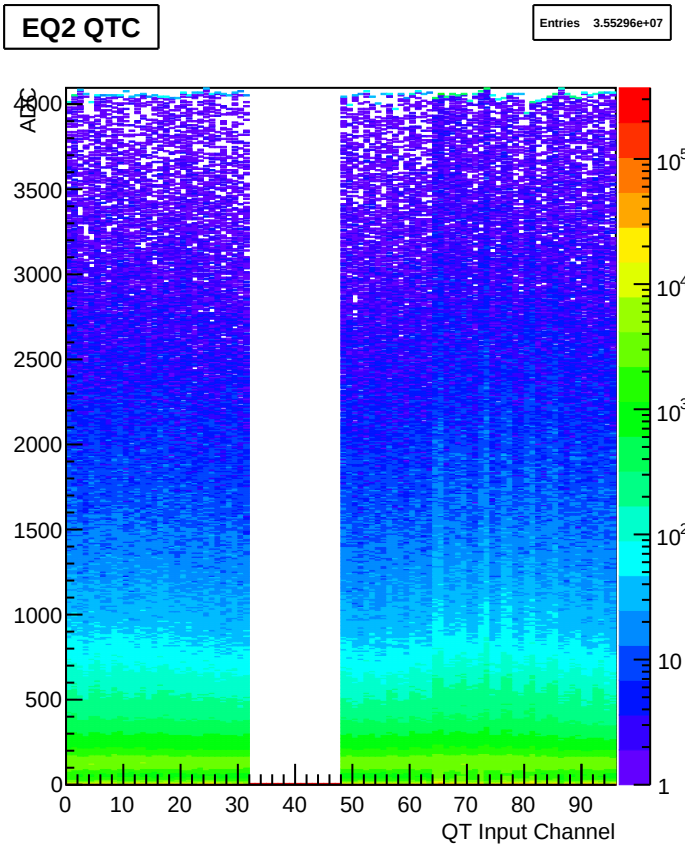

EQ1 QTB
Entries 3.513728e+07
TDC
QT Input Channel

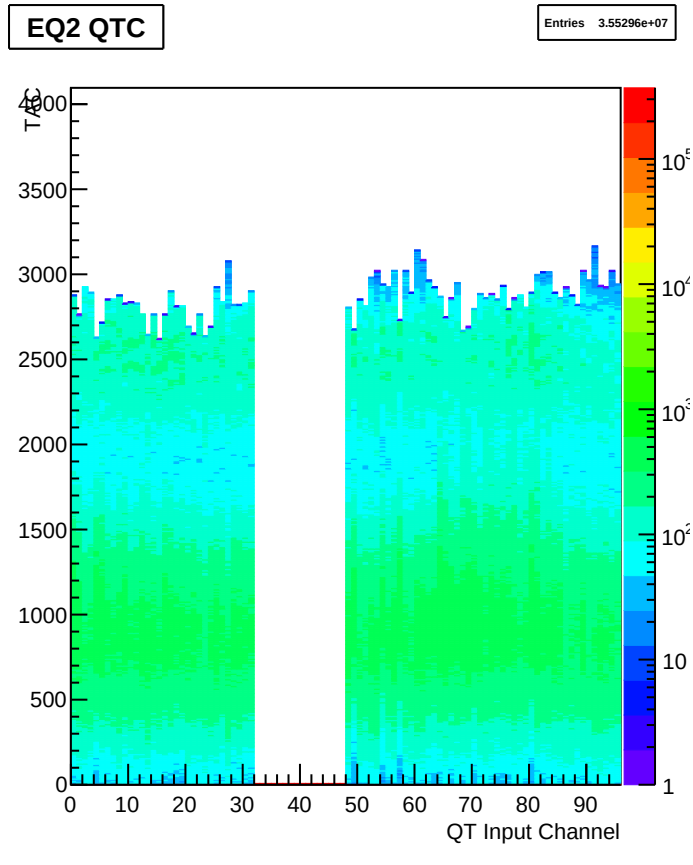

EQ1 QTC
Entries 3.55296e+07
ADC
QT Input Channel

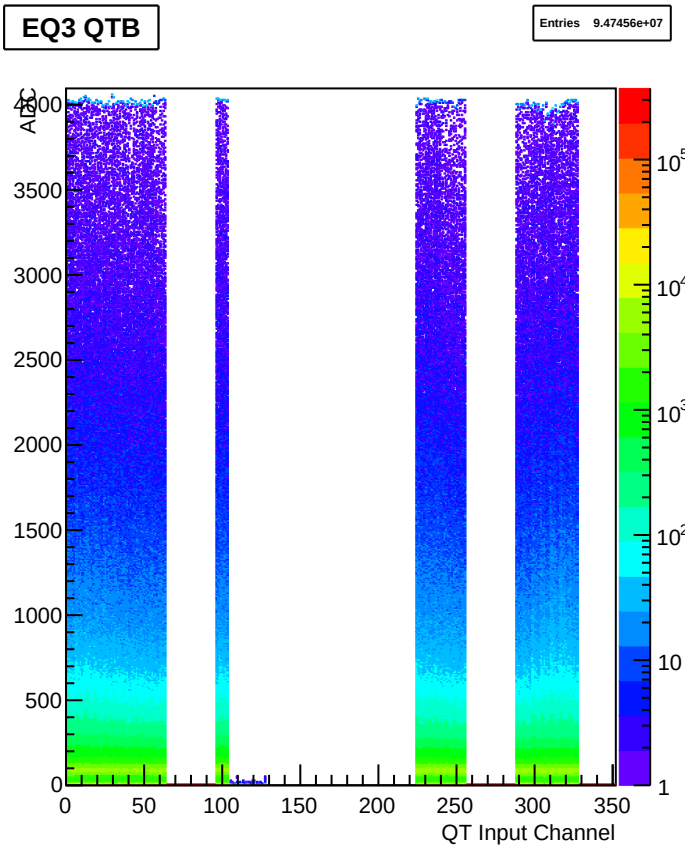

EQ1 QTC
Entries 3.55296e+07
TADC
QT Input Channel

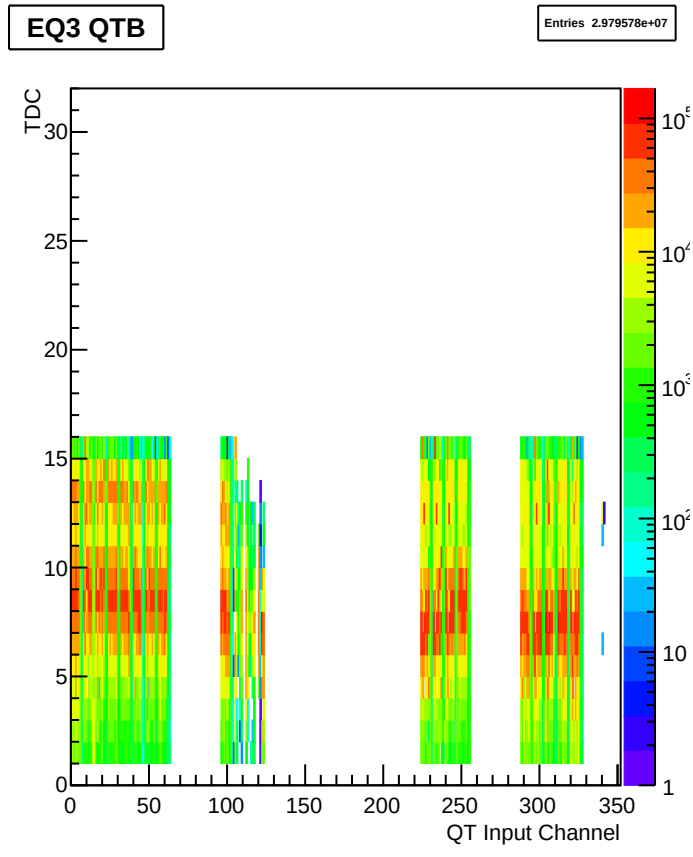

EQ2 QTB
Entries 1.065888e+08
ADC
QT Input Channel

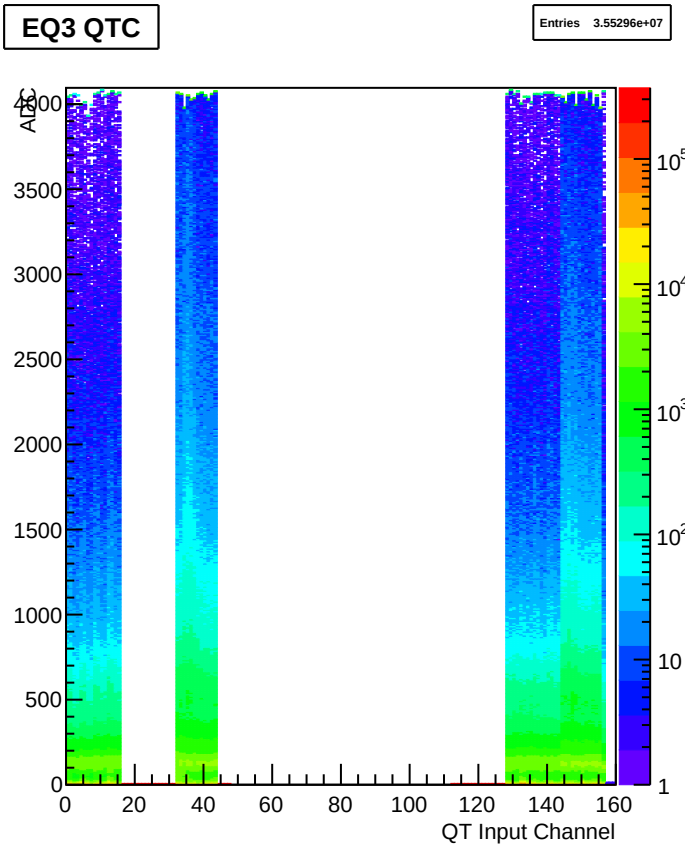

EQ2 QTB
Entries 3.633834e+07
TDC
QT Input Channel

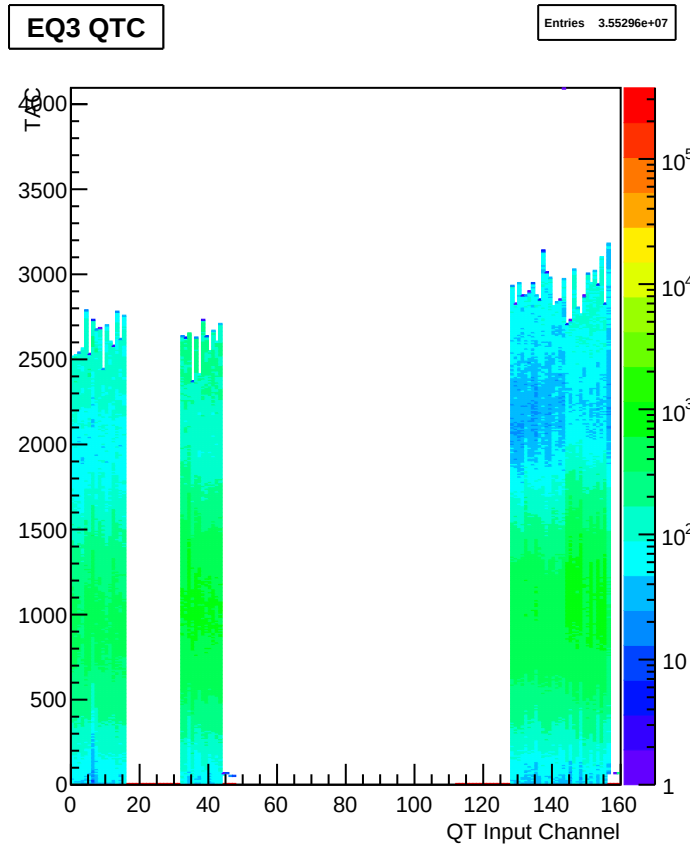

EQ2 QTC
Entries 3.55296e+07
ADC
QT Input Channel

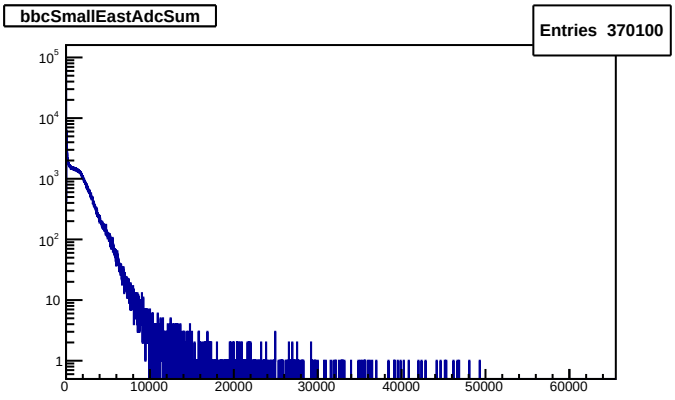

EQ2 QTC
Entries 3.55296e+07
TADC
QT Input Channel

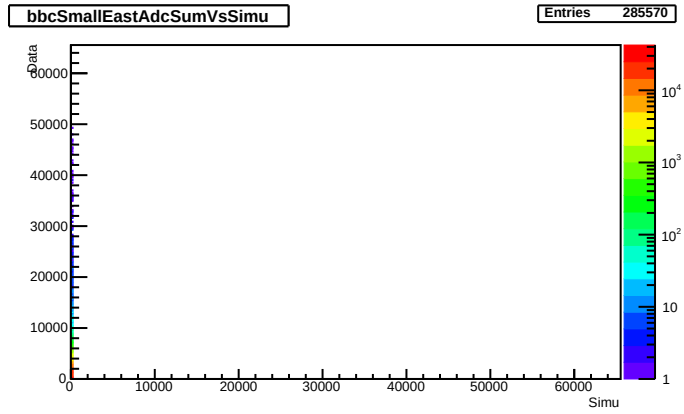

EQ3 QTB
Entries 9.47456e+07
ADC
QT Input Channel

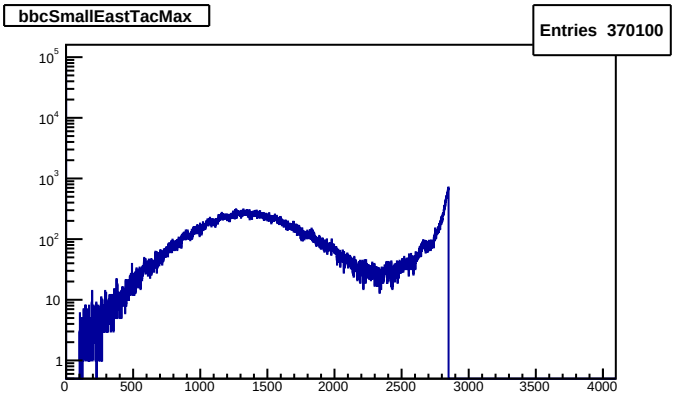

EQ3 QTB
Entries 2.979578e+07
TDC
QT Input Channel

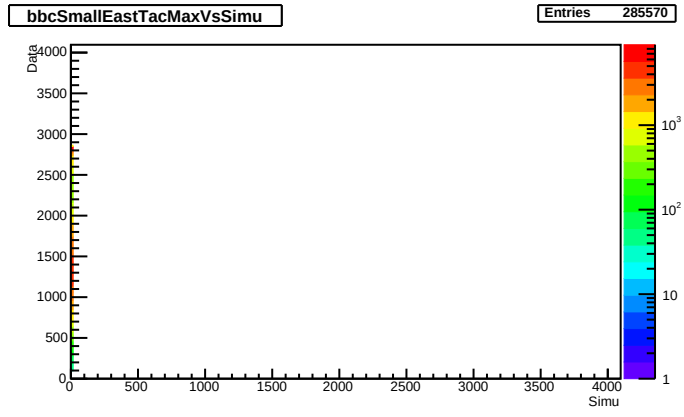

EQ3 QTC
Entries 3.55296e+07
ADC
QT Input Channel

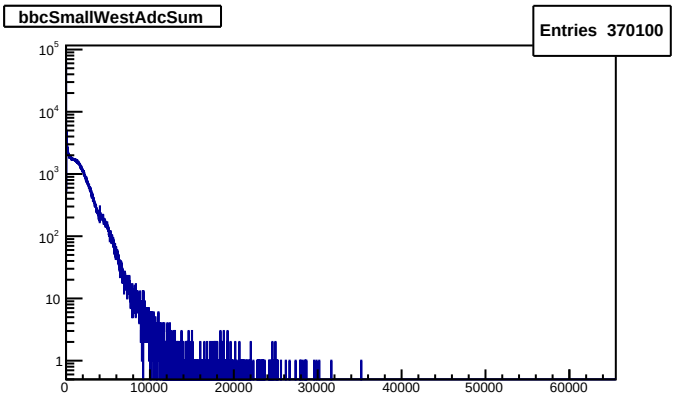

EQ3 QTC
Entries 3.55296e+07
TADC
QT Input Channel

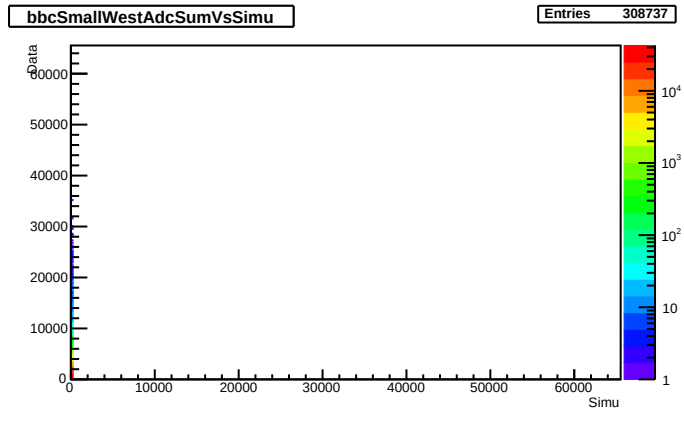

bbcSmallEastAdcSum
Entries 370100

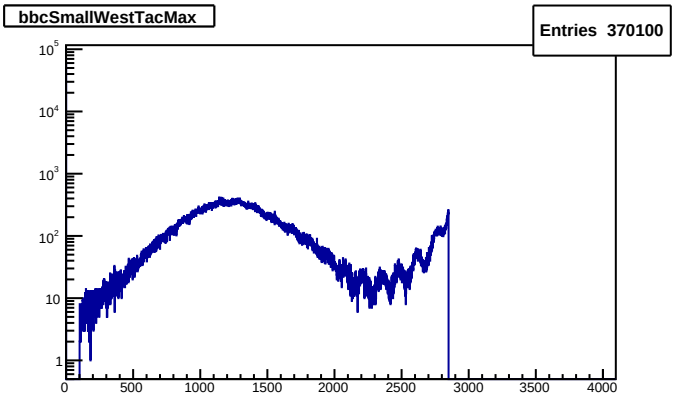

bbcSmallEastAdcSumVsSimu
Entries 285570
Data
Simu

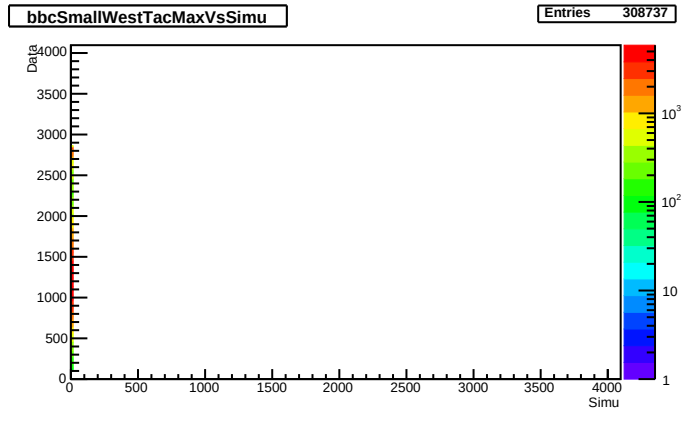

bbcSmallEastTacMax
Entries 370100

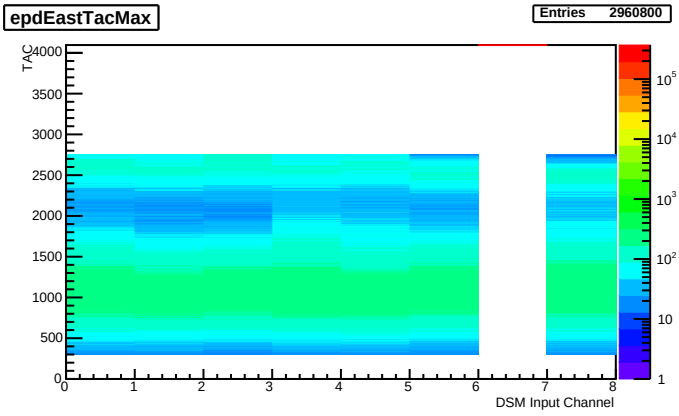

bbcSmallEastTacMaxVsSimu
Entries 285570
Data
Simu

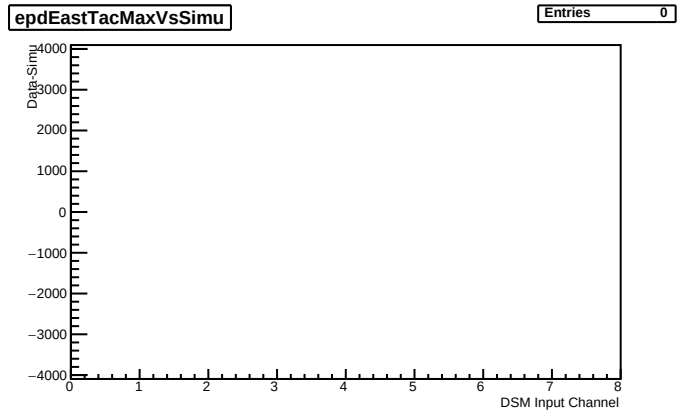

bbcSmallWestAdcSum
Entries 370100

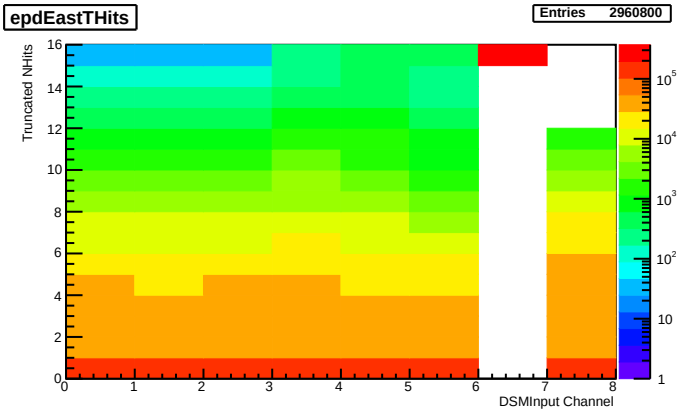

bbcSmallWestAdcSumVsSimu
Entries 308737
Data
Simu

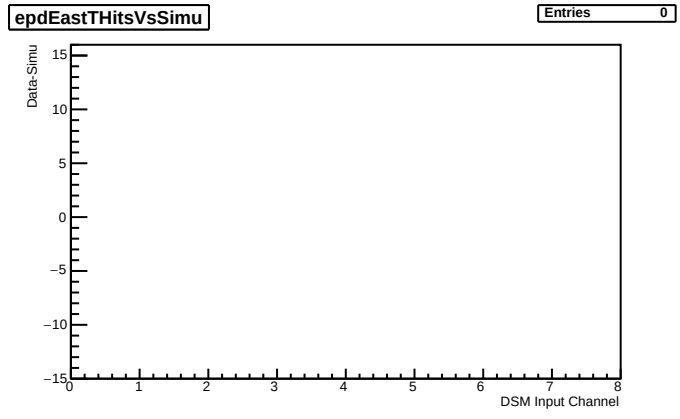

bbcSmallWestTacMax
Entries 370100

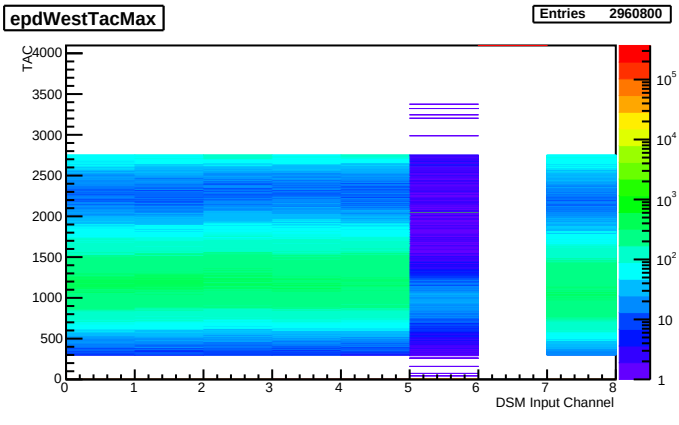

bbcSmallWestTacMaxVsSimu
Entries 308737
Data
Simu

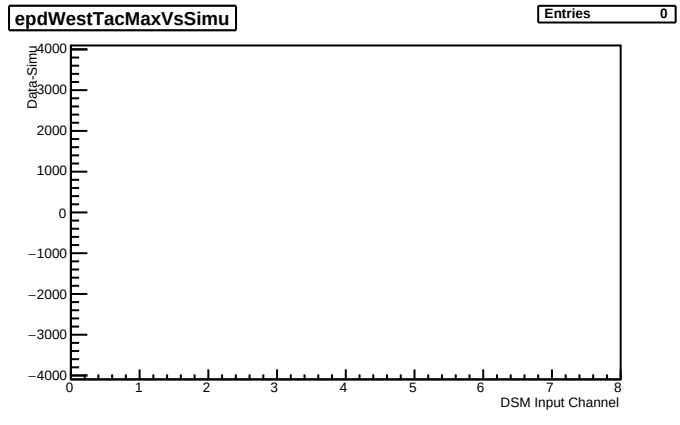

epdEastTacMax
Entries 2960800
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2960800
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 2960800
TAC
DSM Input Channel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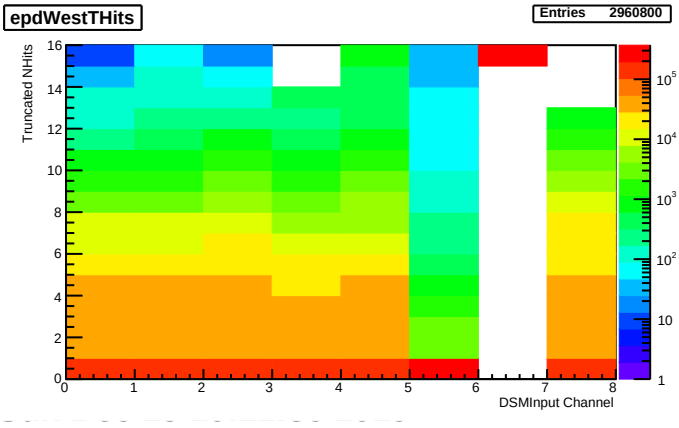
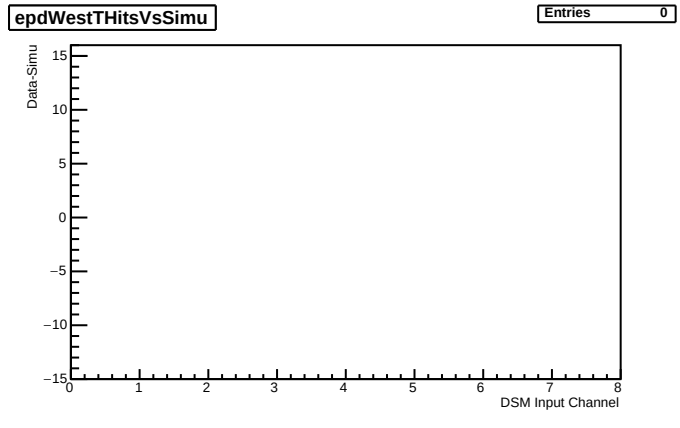
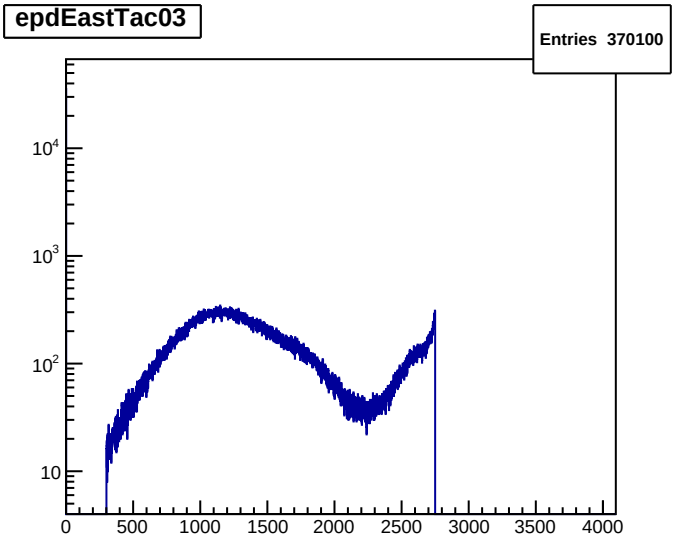
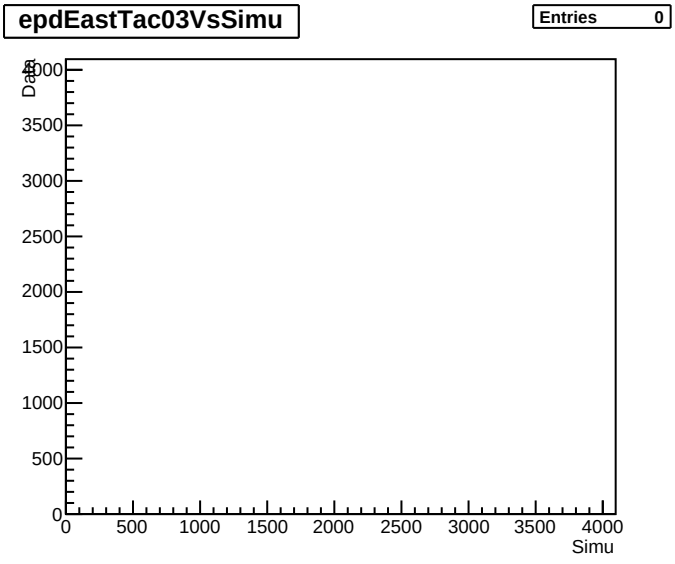
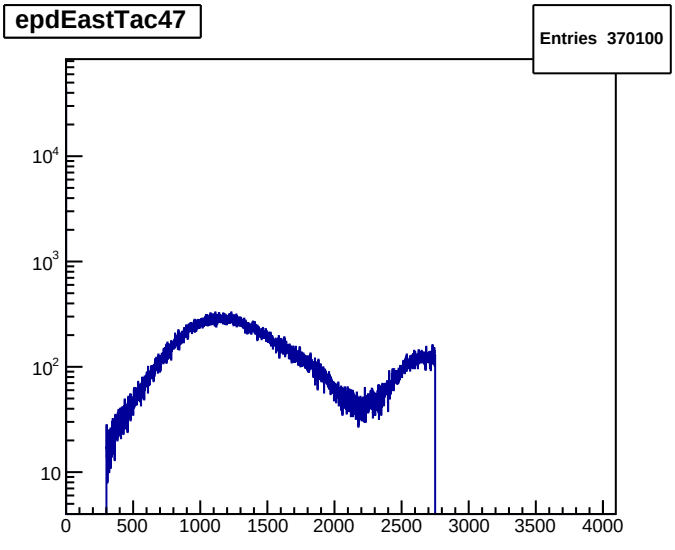
Entries 0
Data-Simu
DSM Input Channel

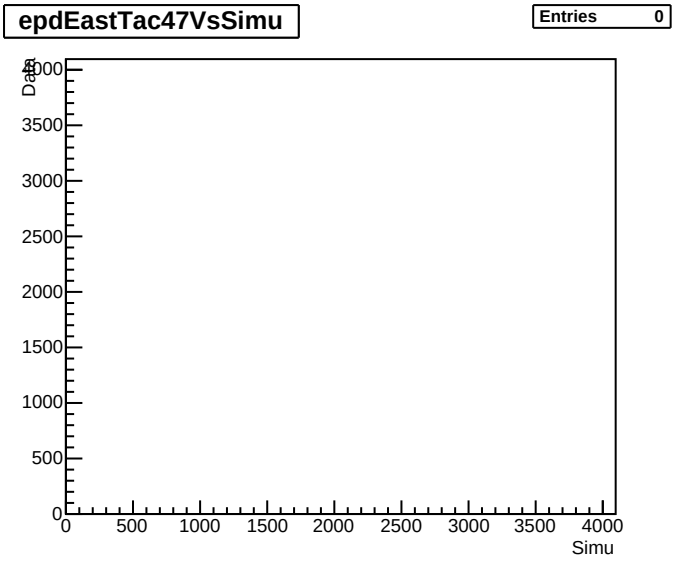

epdWestTHits
Entries 2960800
Truncated NHits
DSMInput Channel

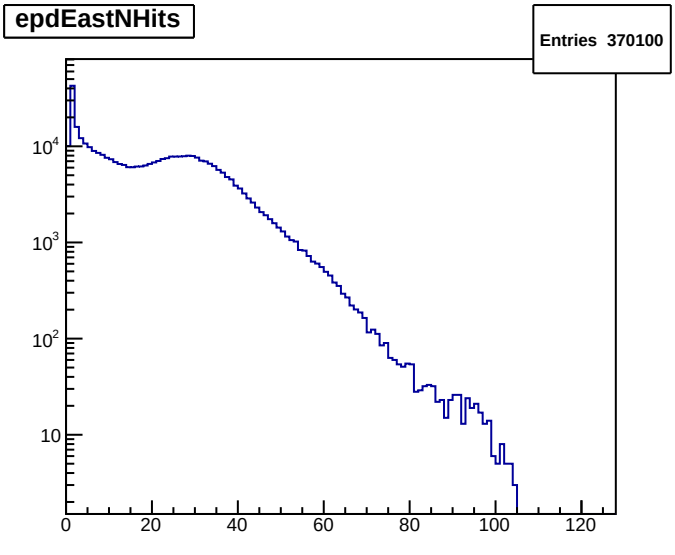

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

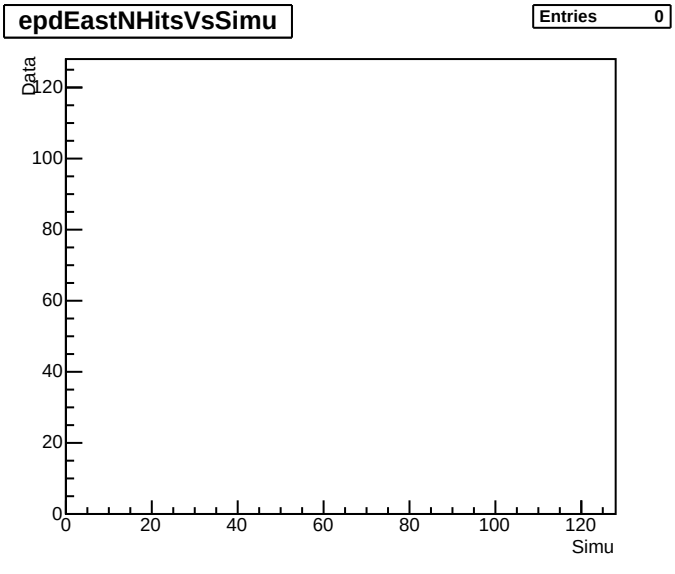

epdEastTac03
Entries 370100


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 370100


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 370100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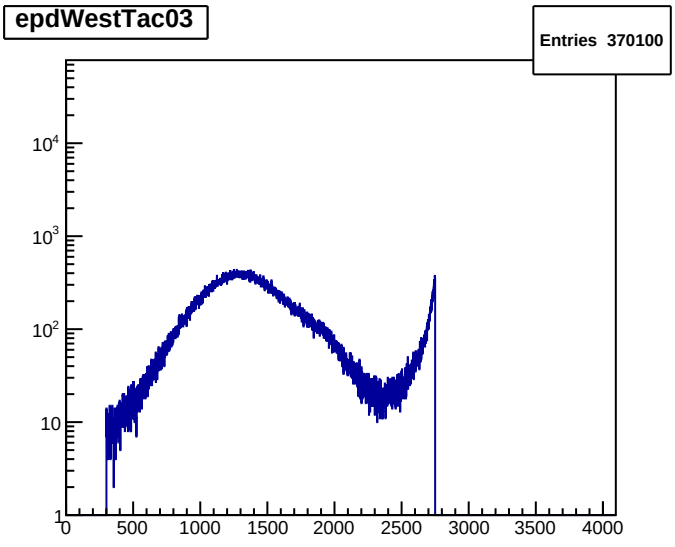
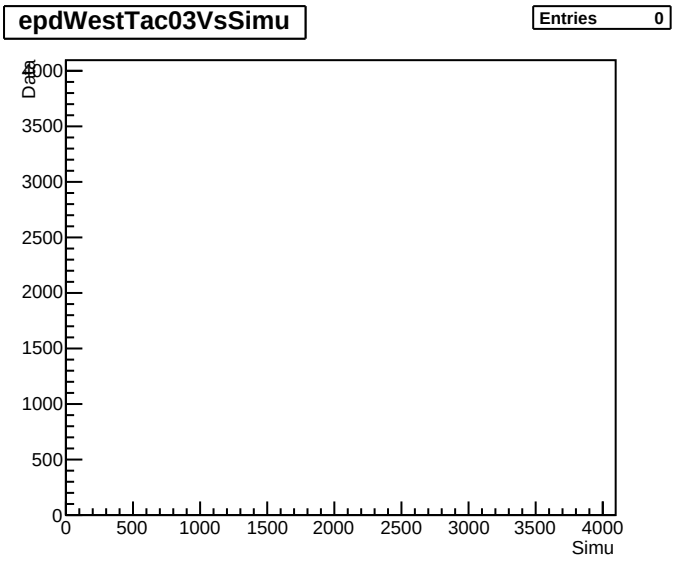
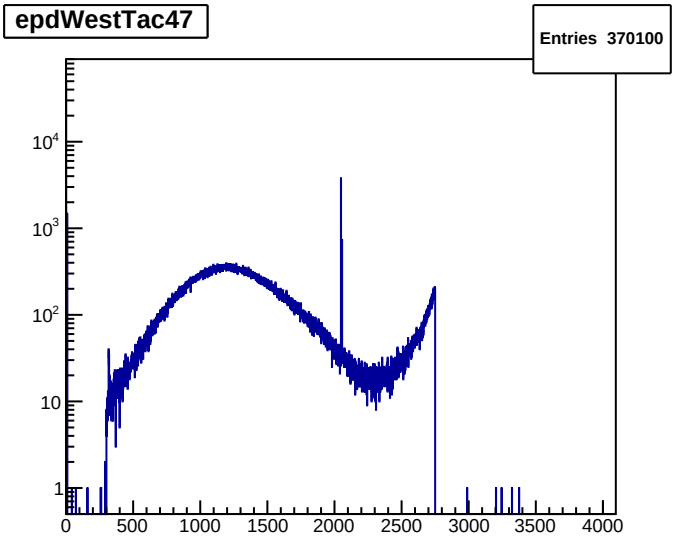
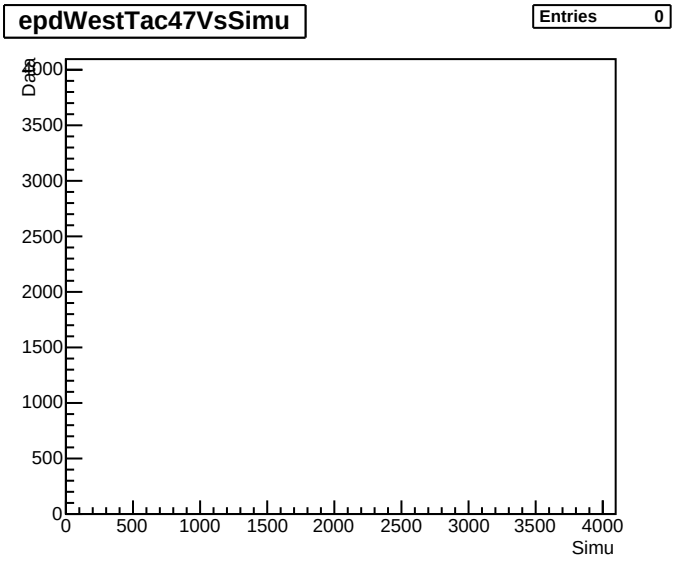
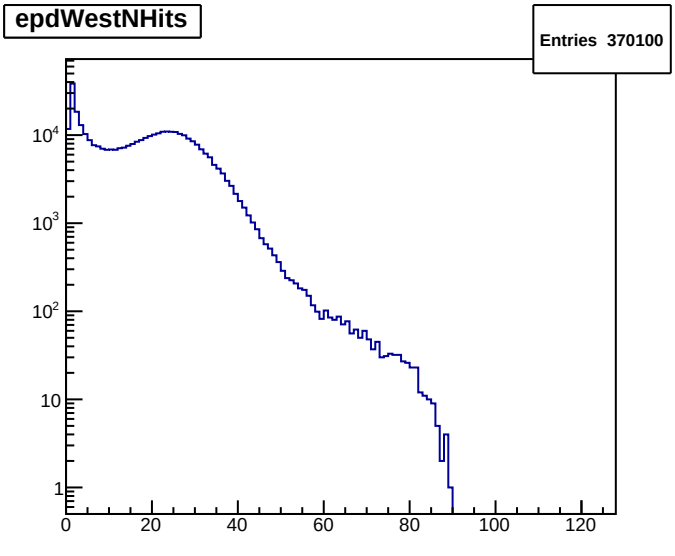
Entries 0
Data
Simu

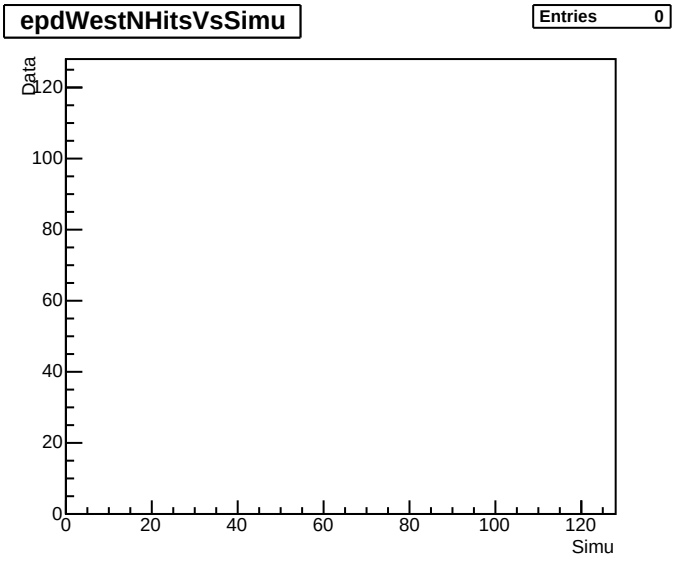

epdWestTac03
Entries 370100

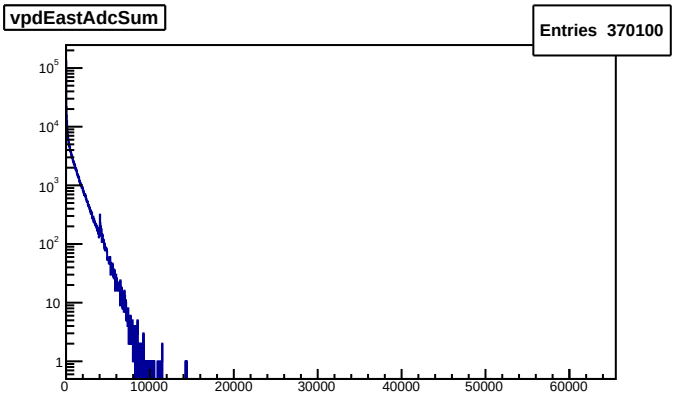

epdWestTac03VsSimu
Entries 0
Data
Simu

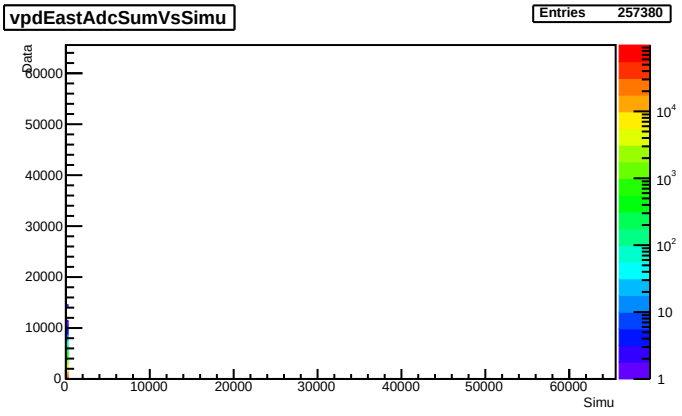

epdWestTac47
Entries 370100

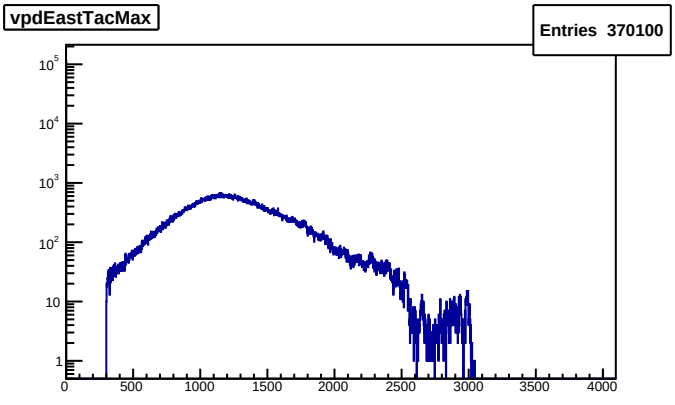

epdWestTac47VsSimu
Entries 0
Data
Simu

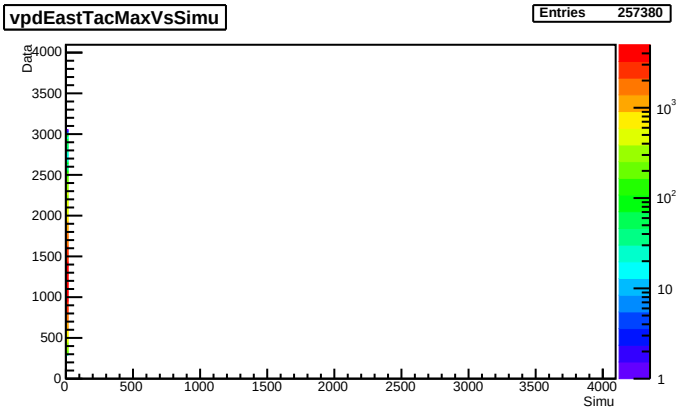

epdWestNHits
Entries 370100

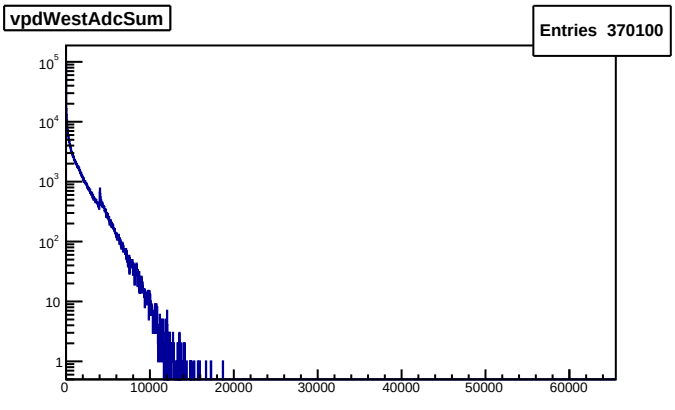

epdWestNHitsVsSimu
Entries 0
Data
Simu

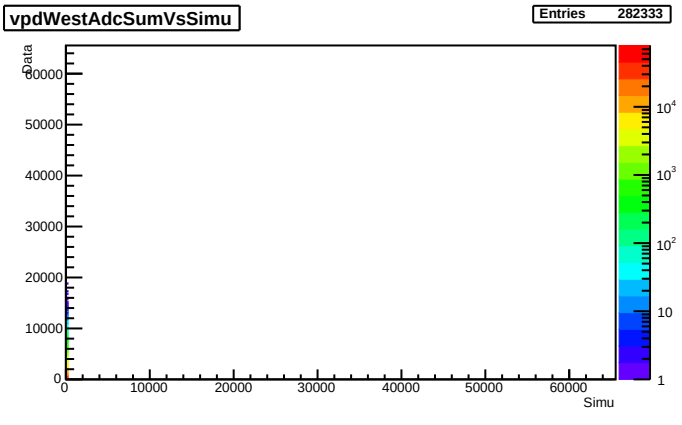

vpdEastAdcSum
Entries 370100

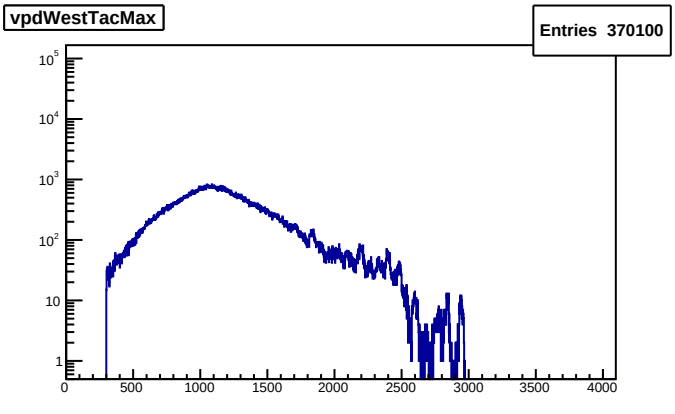

vpdEastAdcSumVsSimu
Entries 257380
Data
Simu

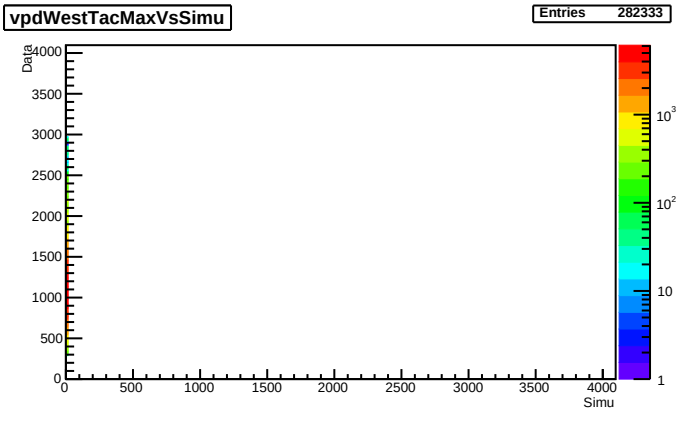

vpdEastTacMax
Entries 370100

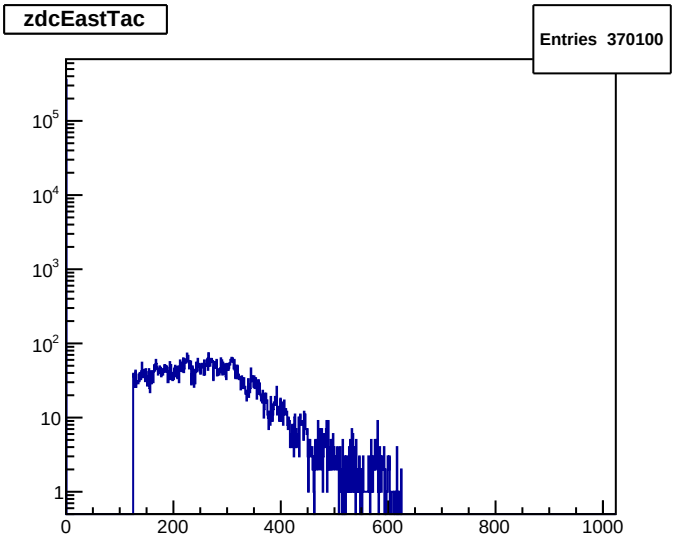

vpdEastTacMaxVsSimu
Entries 257380
Data
Simu

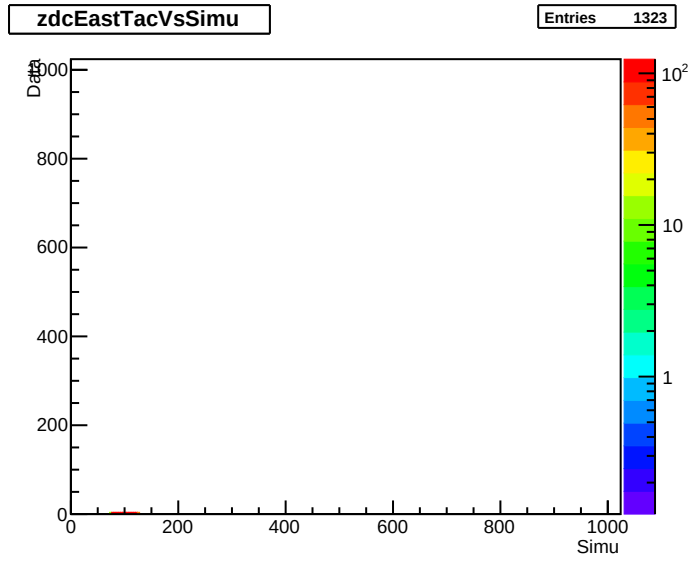

vpdWestAdcSum
Entries 370100

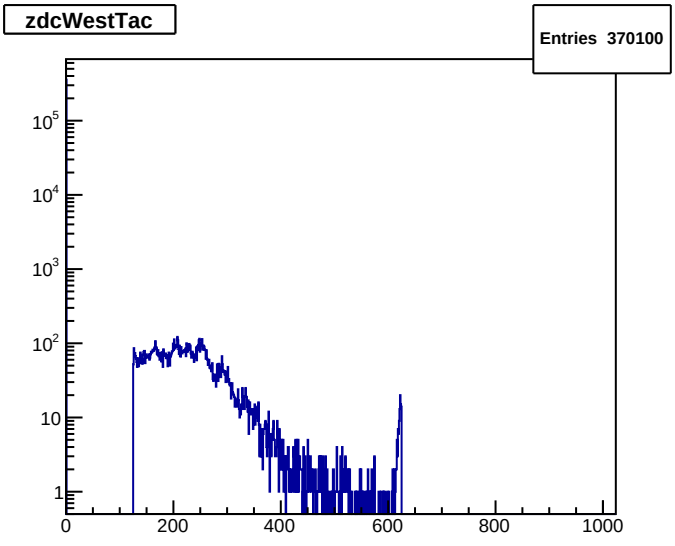

vpdWestAdcSumVsSimu
Entries 282333
Data
Simu

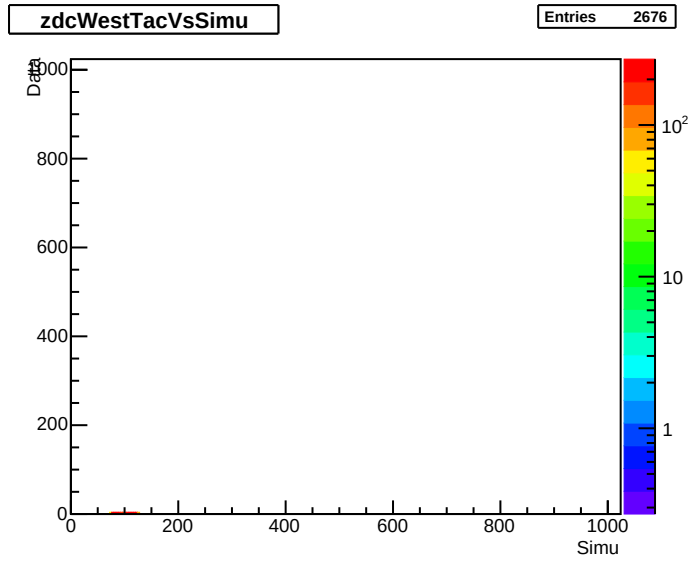

vpdWestTacMax
Entries 370100

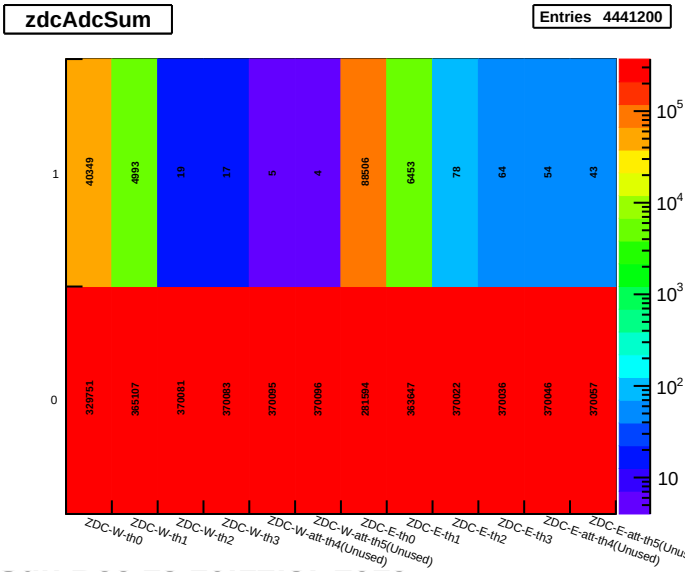

vpdWestTacMaxVsSimu
Entries 282333
Data
Simu

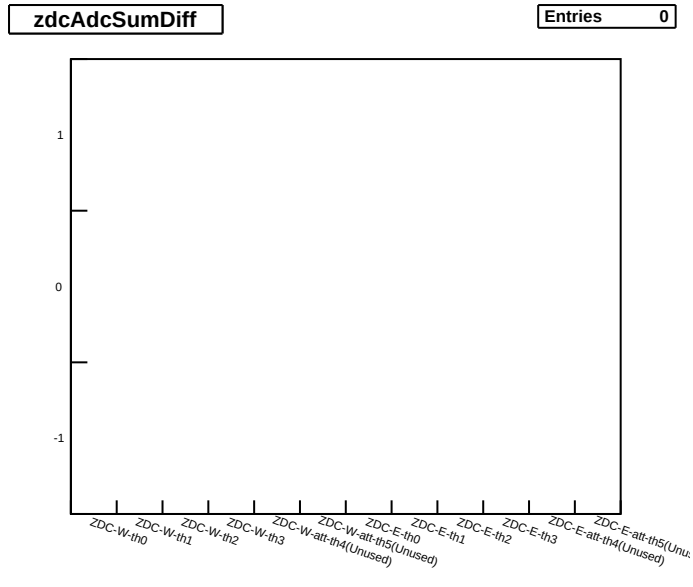

zdcEastTac
Entries 370100
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

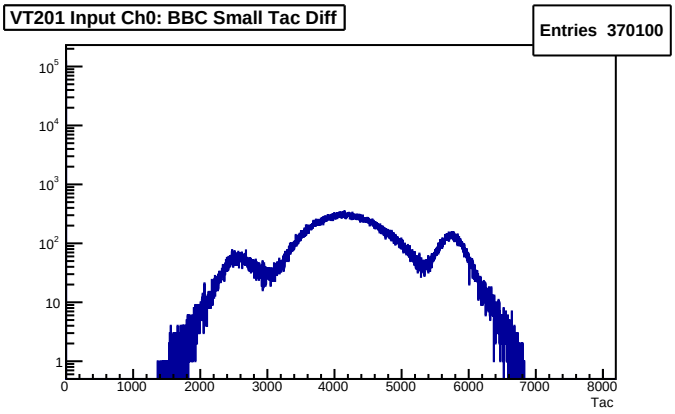

zdcEastTacVsSimu
Entries 1323
Data
Simu
0
200
400
600
800
1000
10^2
10
1

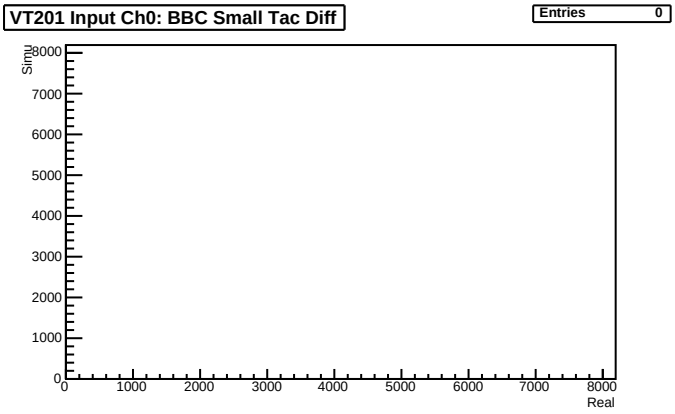

zdcWestTac
Entries 370100
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

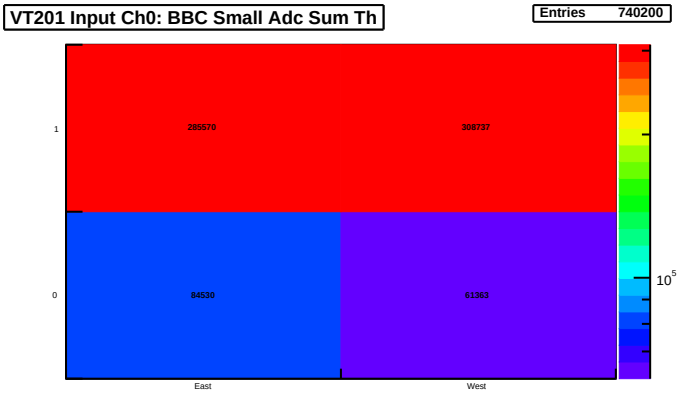

zdcWestTacVsSimu
Entries 2676
Data
Simu
0
200
400
600
800
1000
10^2
10
1

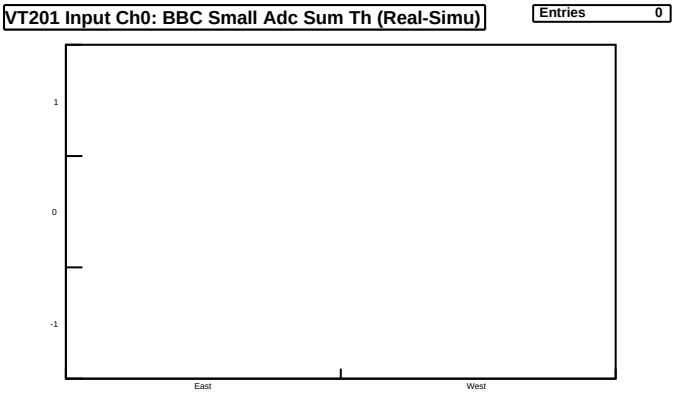

zdcAdcSum
Entries 4441200
1
0
40349
4993
19
17
5
4
88506
6453
78
64
54
43
329751
365107
370081
370083
370095
370096
281594
363647
370022
370036
370046
370057
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

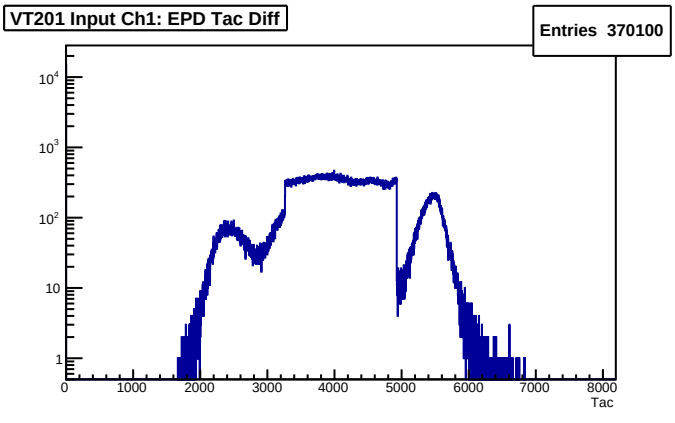

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

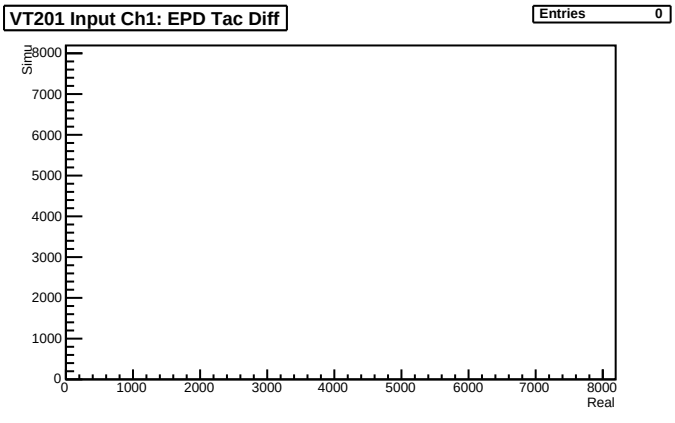

VT201 Input Ch0: BBC Small Tac Diff
Entries 370100
Tac

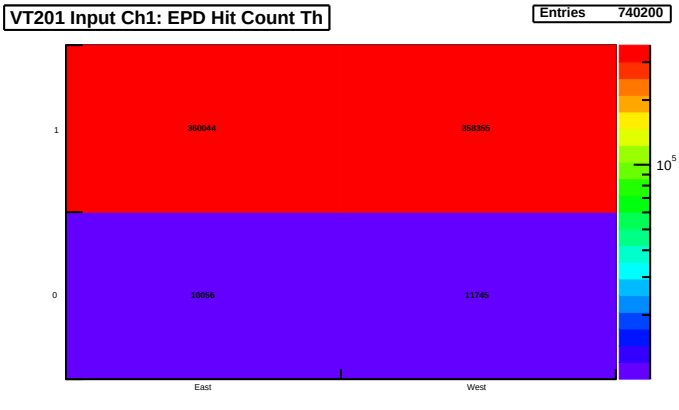

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

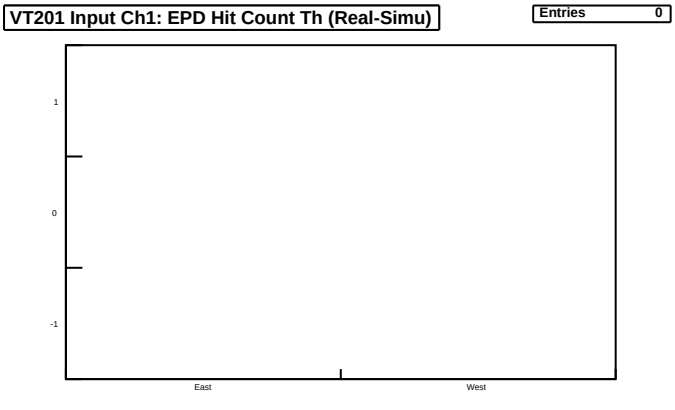

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 740200
285570
308737
84530
61363
East
West

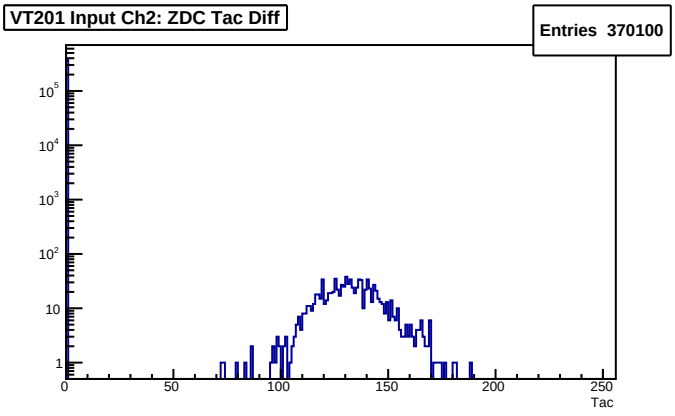

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

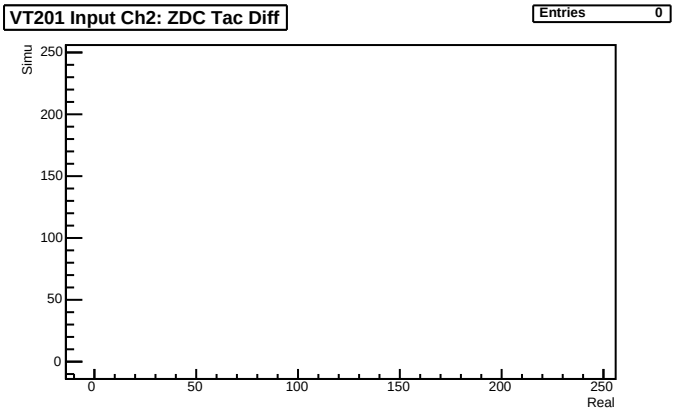

VT201 Input Ch1: EPD Tac Diff
Entries 370100
Tac

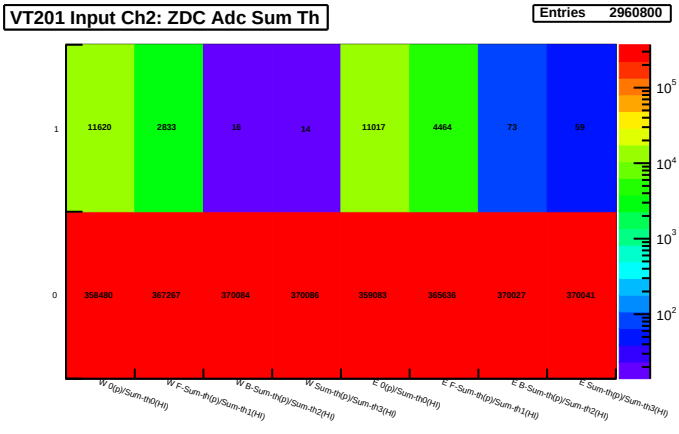

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

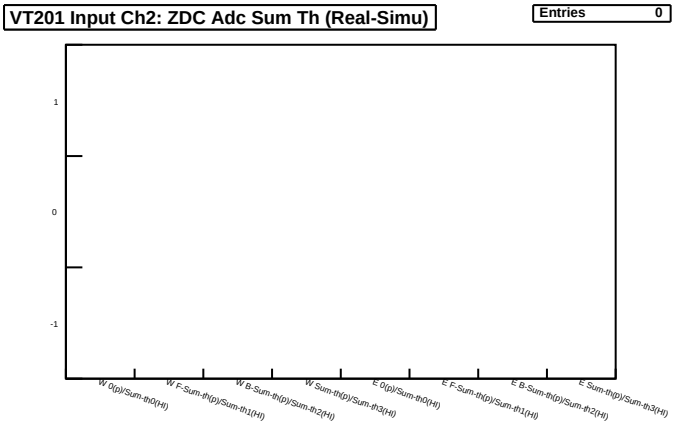

VT201 Input Ch1: EPD Hit Count Th
Entries 740200
360044
358355
10056
11745
East
West

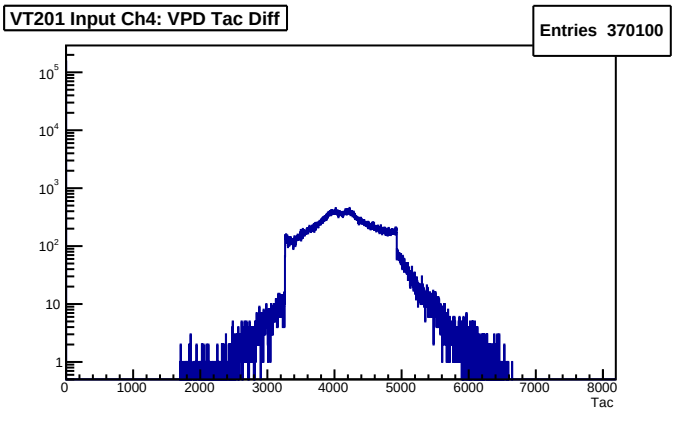

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

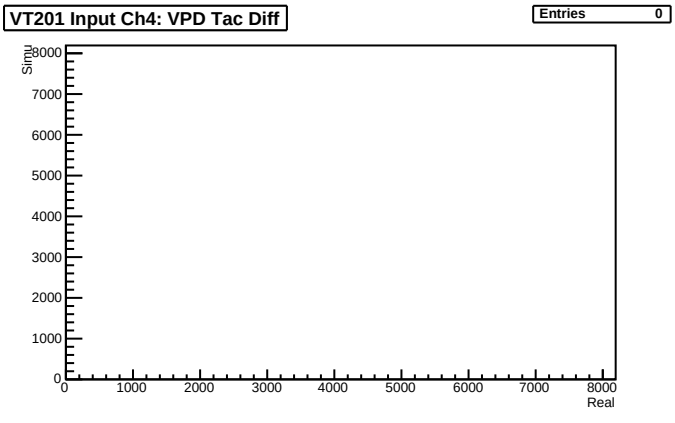

VT201 Input Ch2: ZDC Tac Diff
Entries 370100
Tac

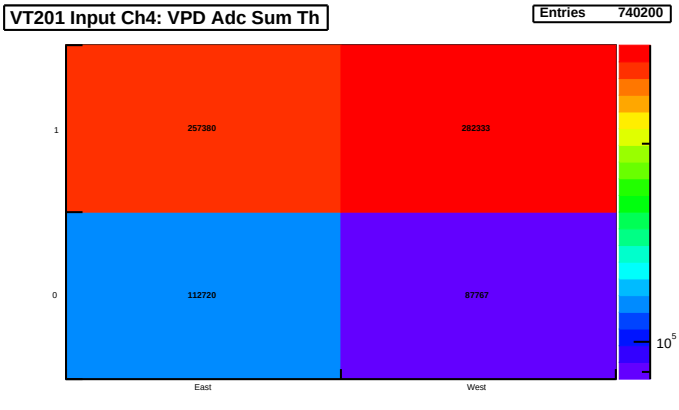

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

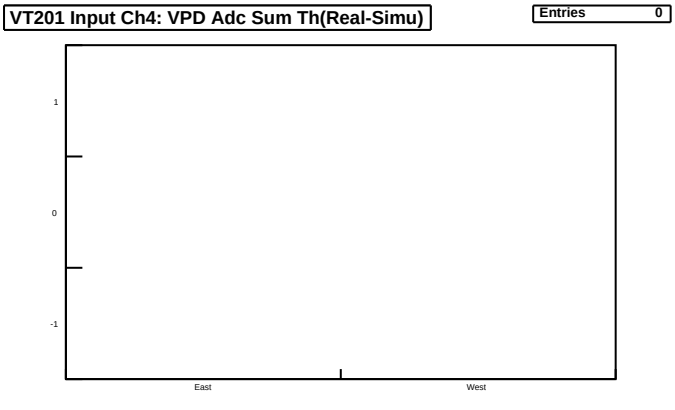

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2960800
11620
2833
16
14
11017
4464
73
59
358480
367267
370084
370086
359083
365636
370027
370041
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

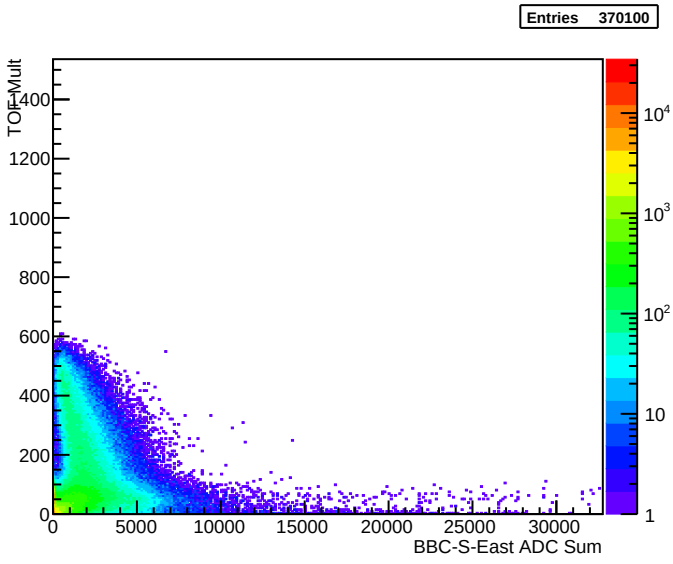

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

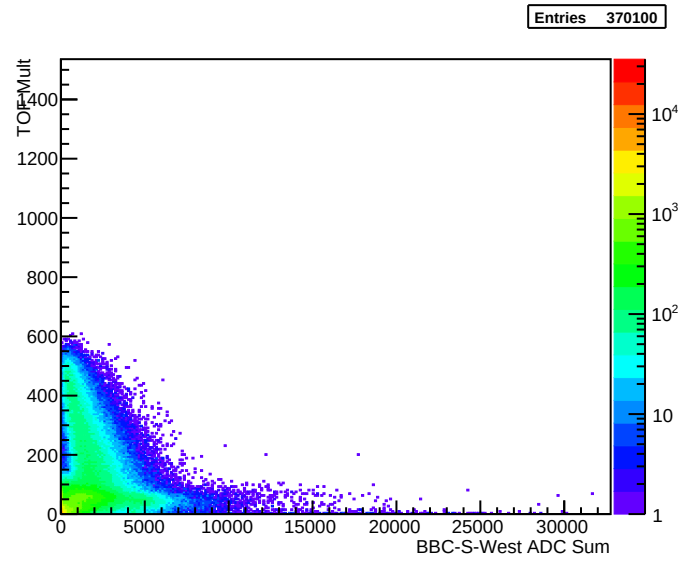

VT201 Input Ch4: VPD Tac Diff
Entries 370100
Tac

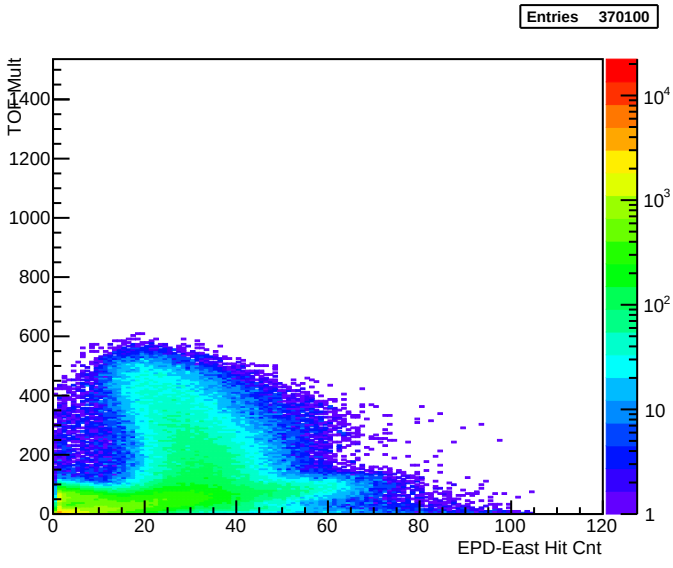

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

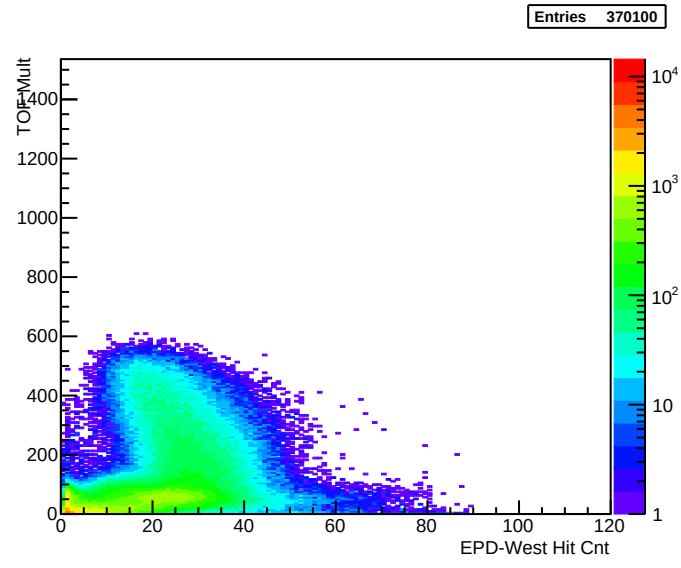

VT201 Input Ch4: VPD Adc Sum Th
Entries 740200
257380
282333
112720
87767
East
West

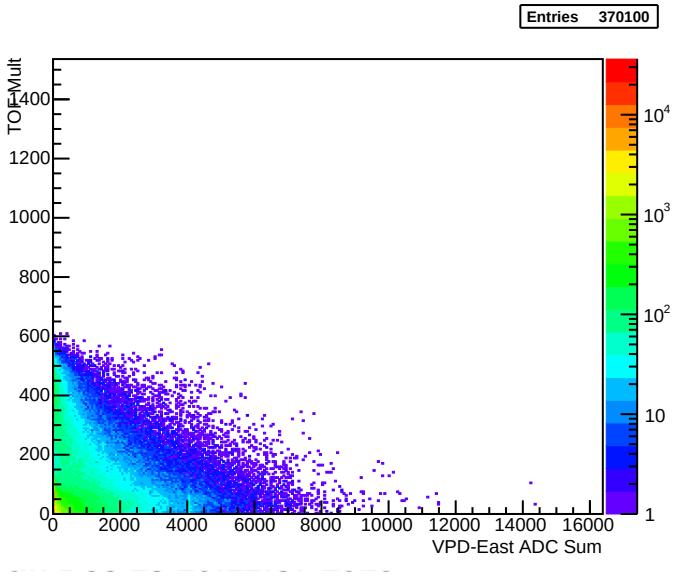

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

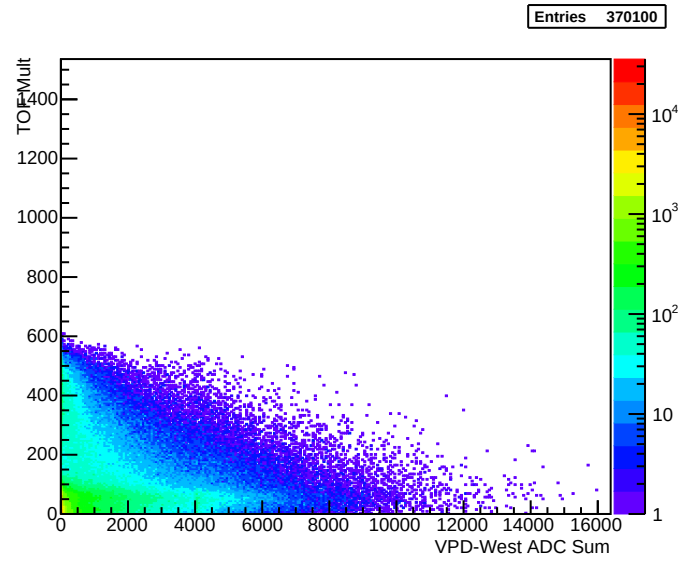

Entries 370100
TOF-Mult
BBC-S-East ADC Sum

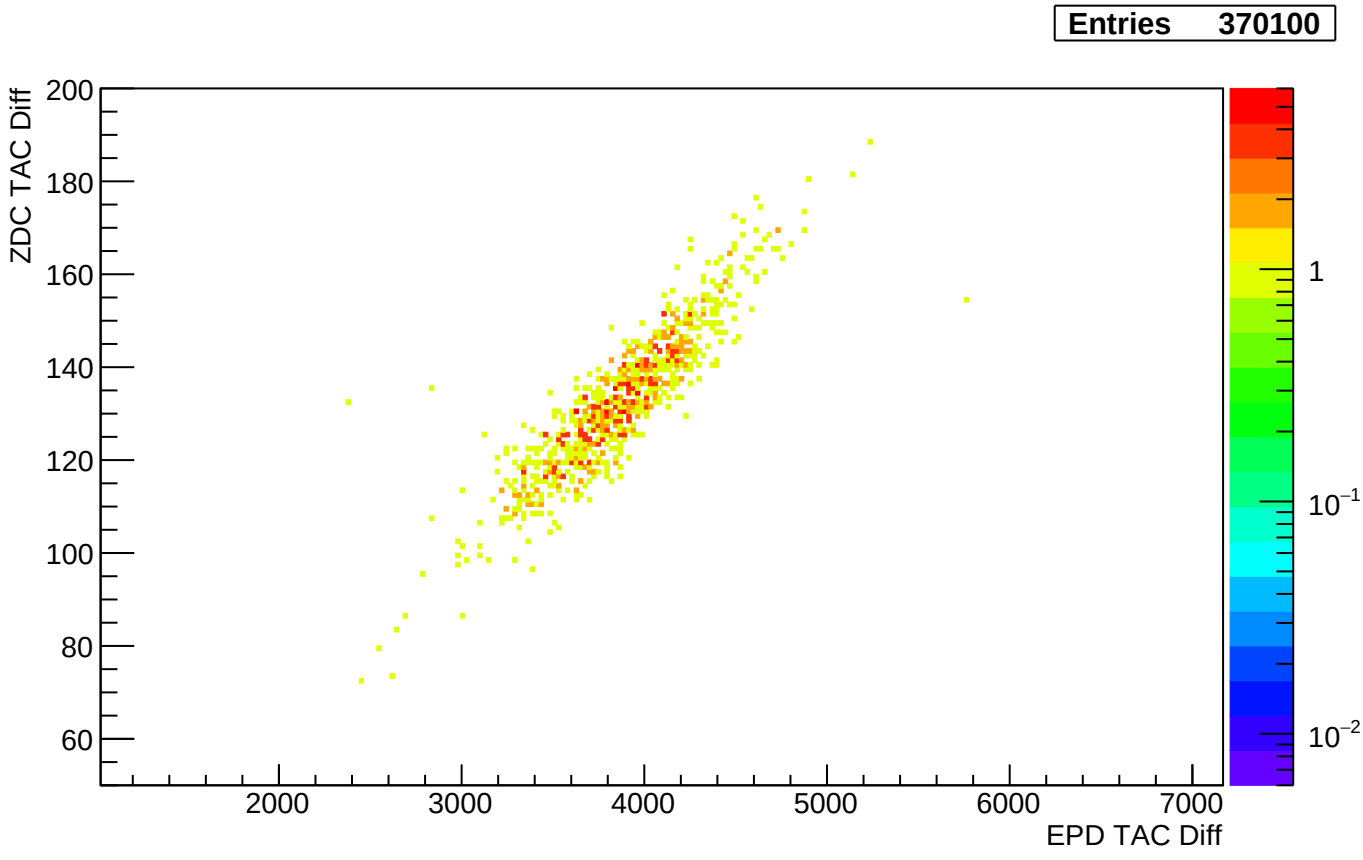

Entries 370100
TOF-Mult
BBC-S-West ADC Sum

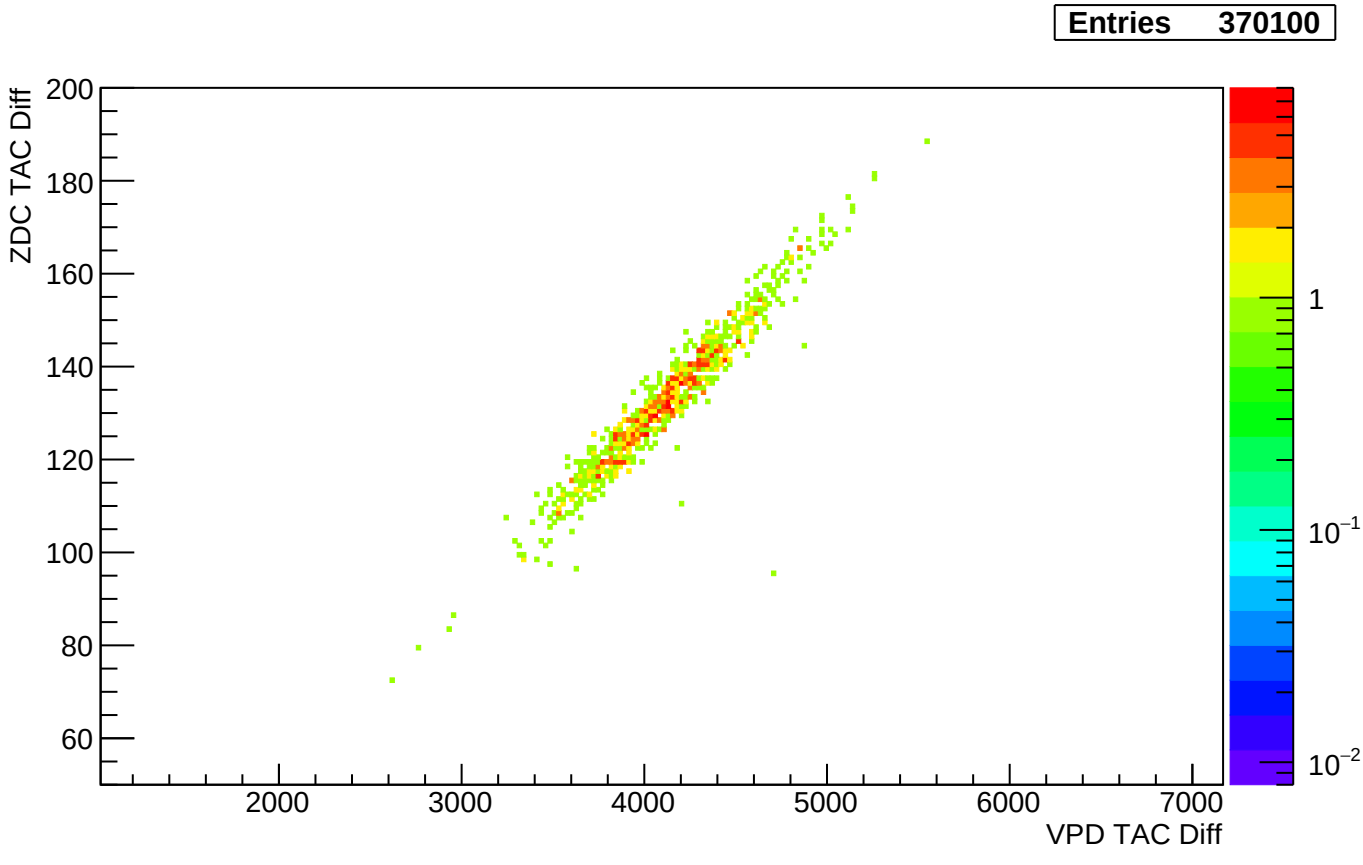

Entries 370100
TOF-Mult
EPD-East Hit Cnt

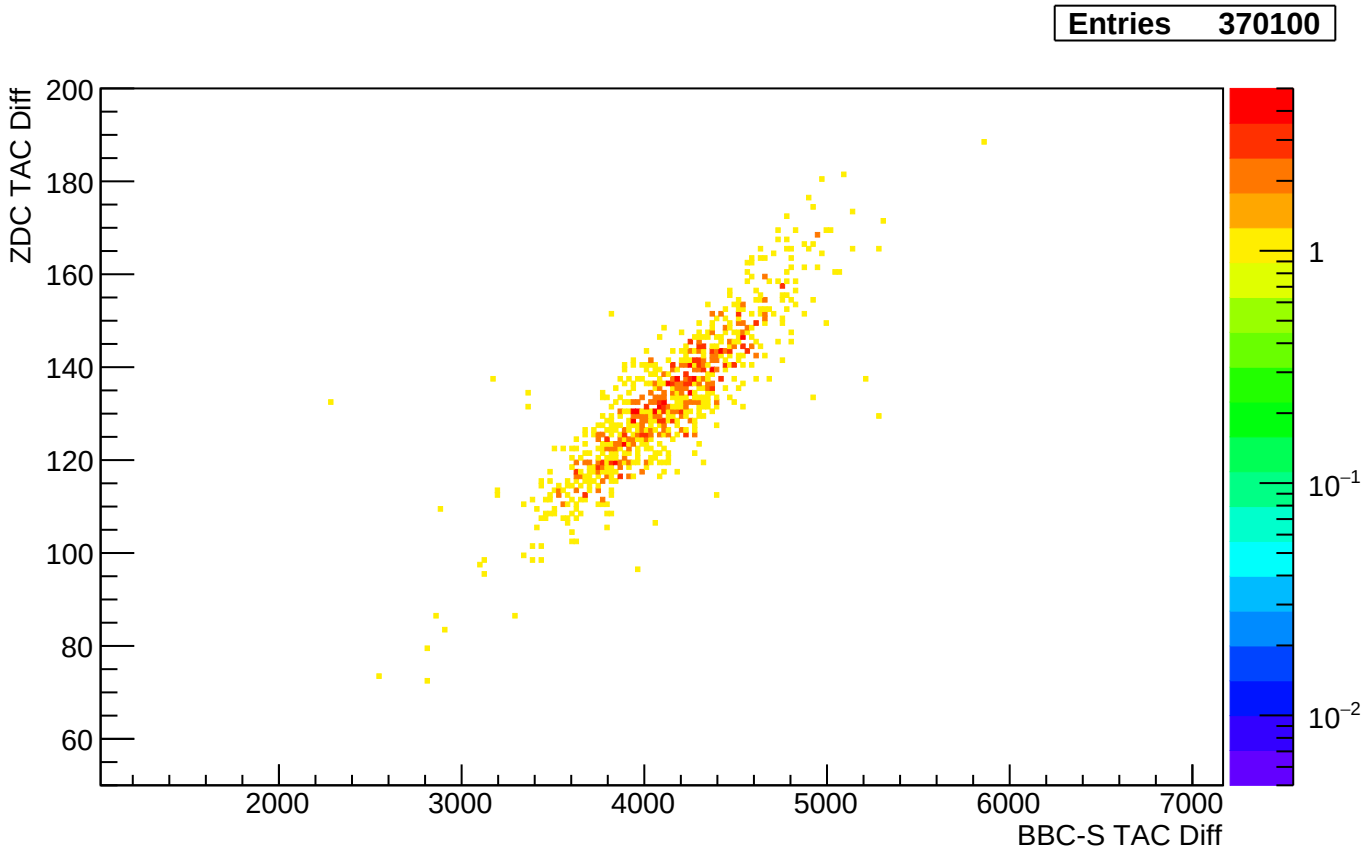

Entries 370100
TOF-Mult
EPD-West Hit Cnt

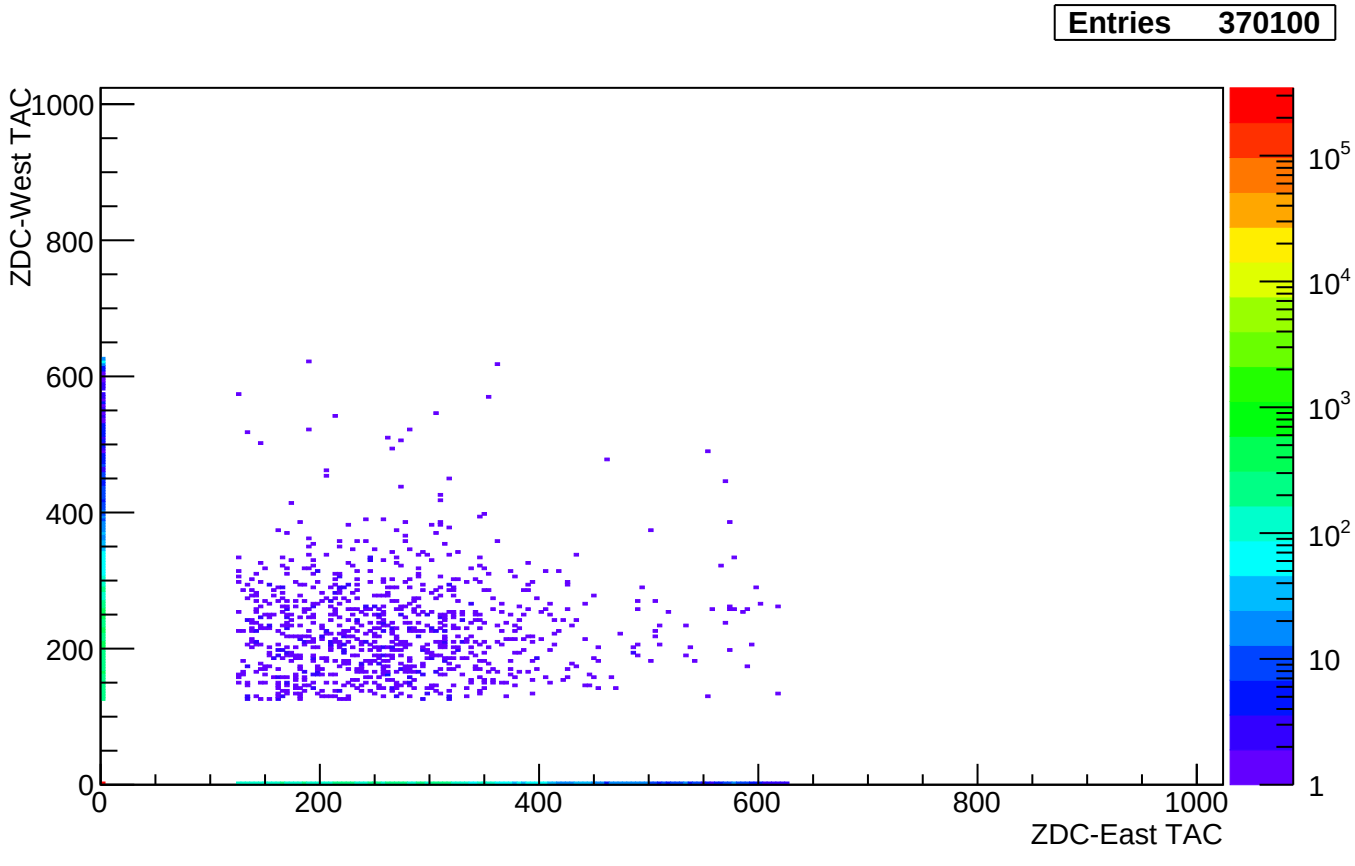

Entries 370100
TOF-Mult
VPD-East ADC Sum

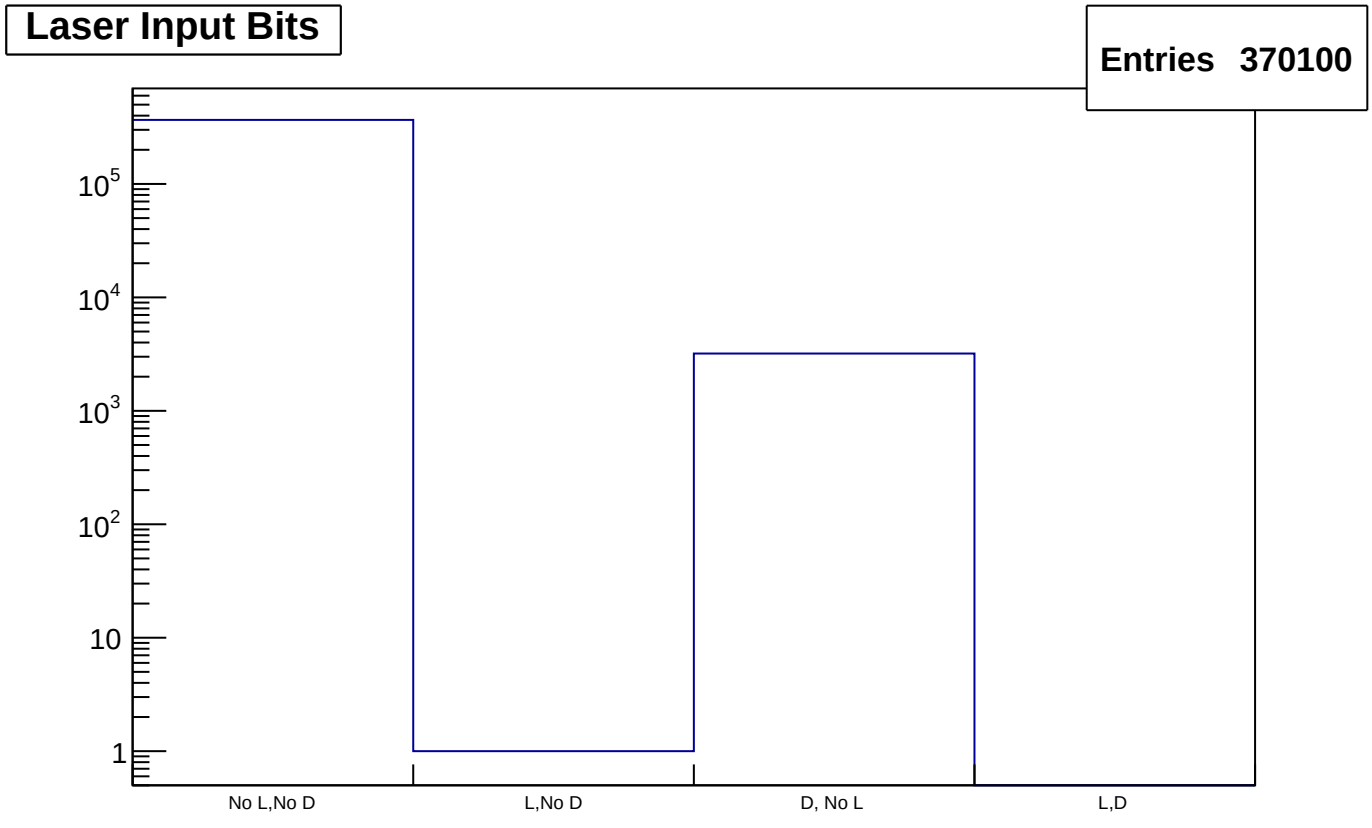

Entries 370100
TOF-Mult
VPD-West ADC Sum

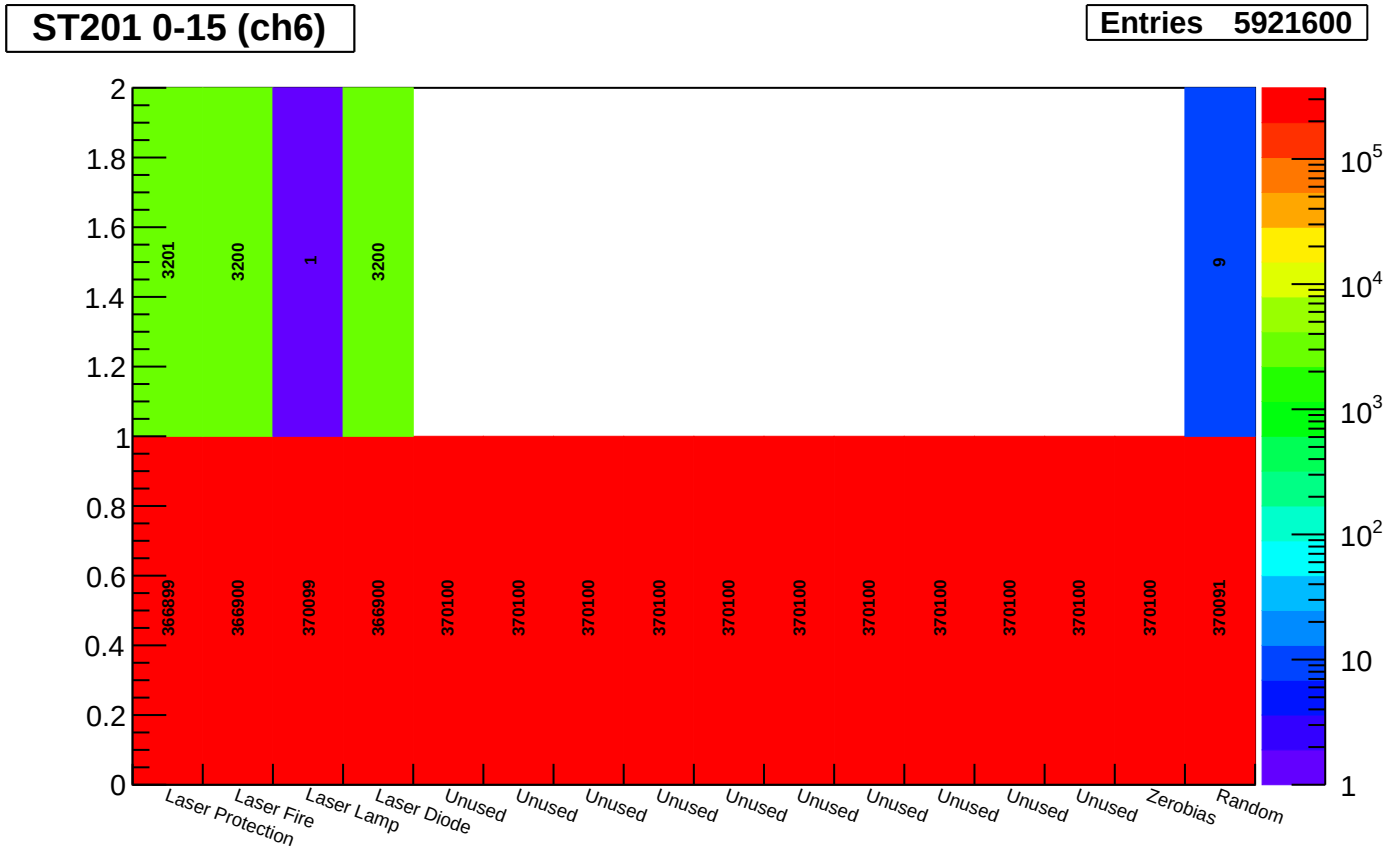

Entries 370100
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

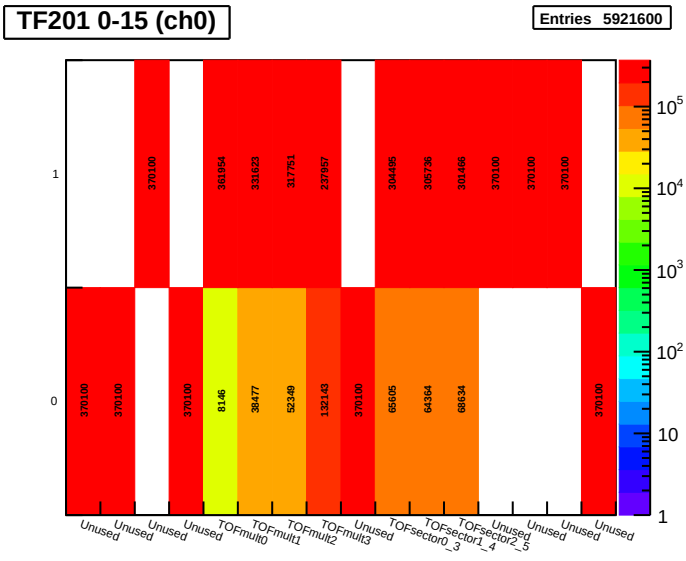

Entries 370100
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

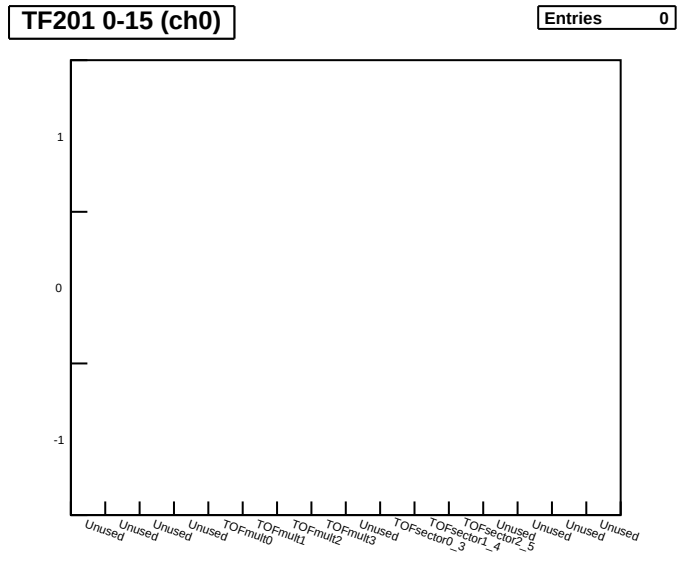

Entries 370100
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

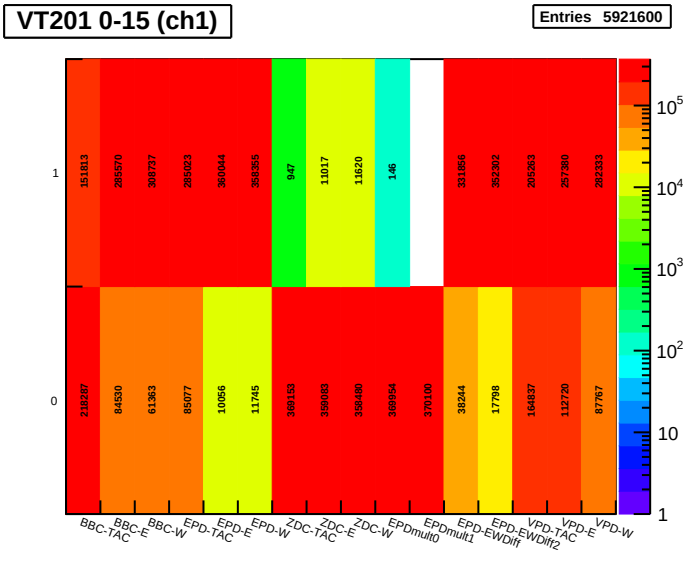

Entries 370100
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

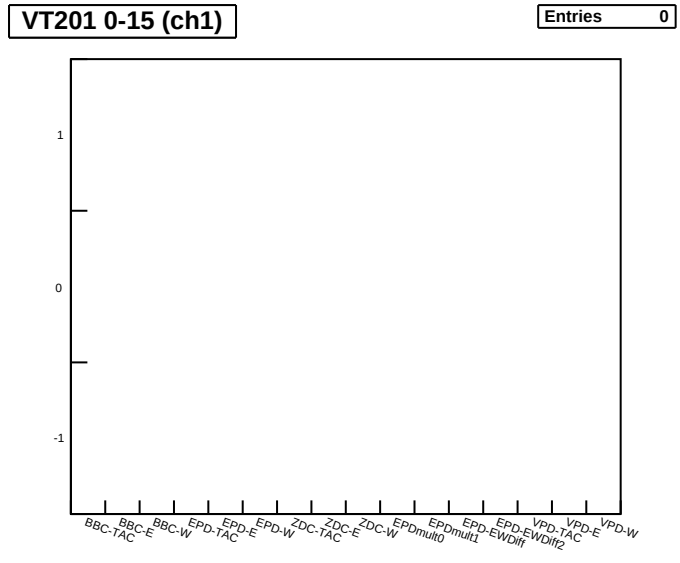

Laser Input Bits
Entries 370100
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

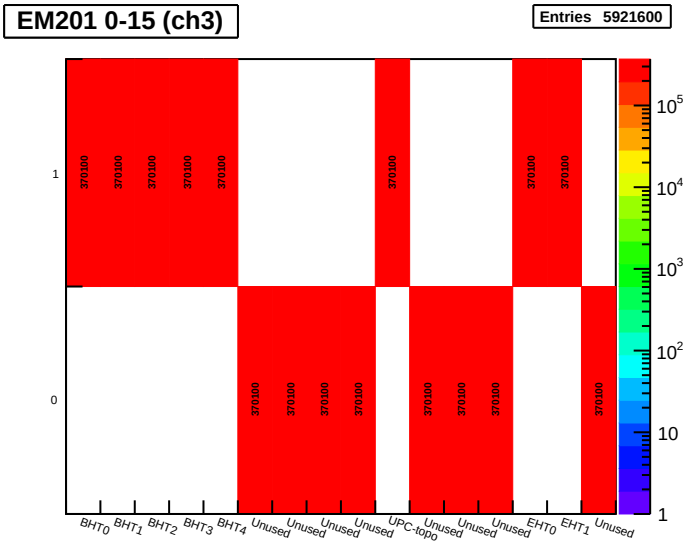

ST201 0-15 (ch6)
Entries 5921600
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3201
3200
1
3200
9
366899
366900
370099
366900
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370091
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

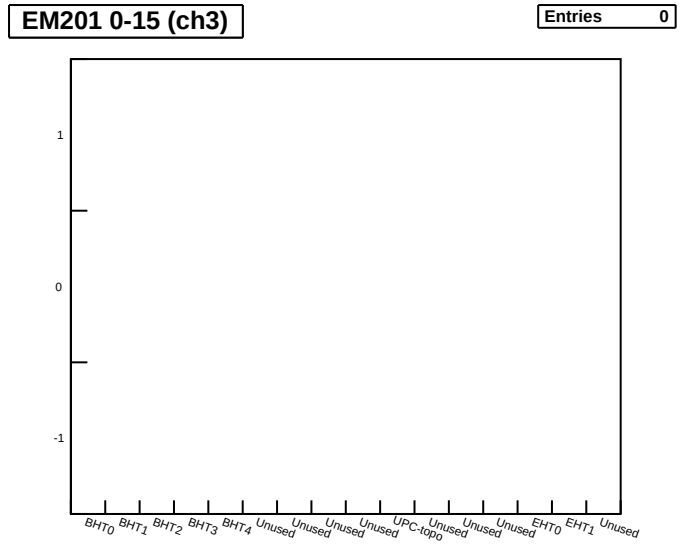

TF201 0-15 (ch0)
Entries 5921600
1
0
370100
361954
331623
317751
237957
304495
305736
301466
370100
370100
370100
370100
370100
370100
370100
8146
38477
52349
132143
370100
65605
64364
68634
370100
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 5921600
1
0
151813
285570
308737
285023
360044
358355
947
11017
11620
146
331856
352302
205253
257380
282333
218287
84530
61353
85077
10056
11745
369153
359083
358480
369954
370100
38244
17798
164837
112720
87767
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 5921600
1
0
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
370100
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
10^5
10^4
10^3
10^2
10
1


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