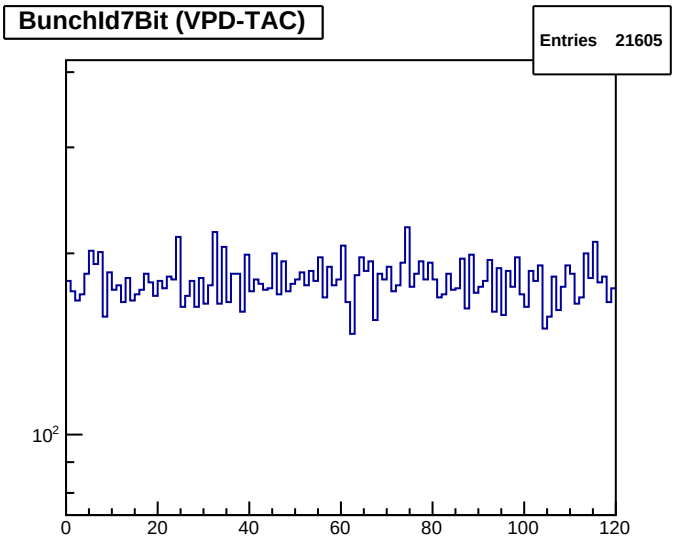
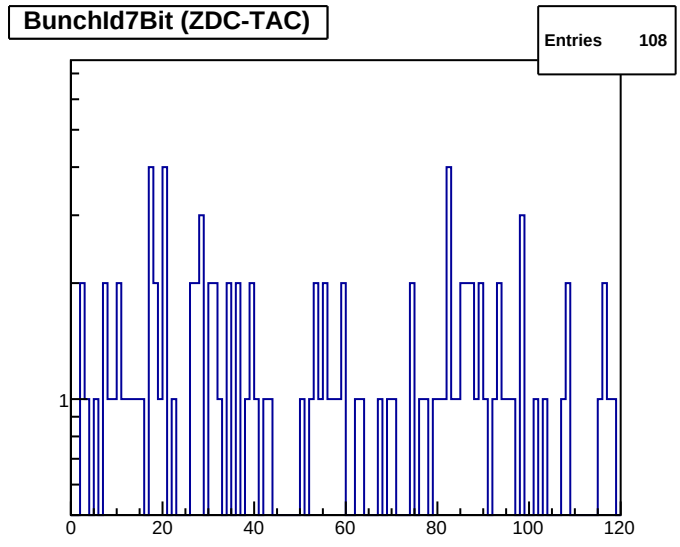
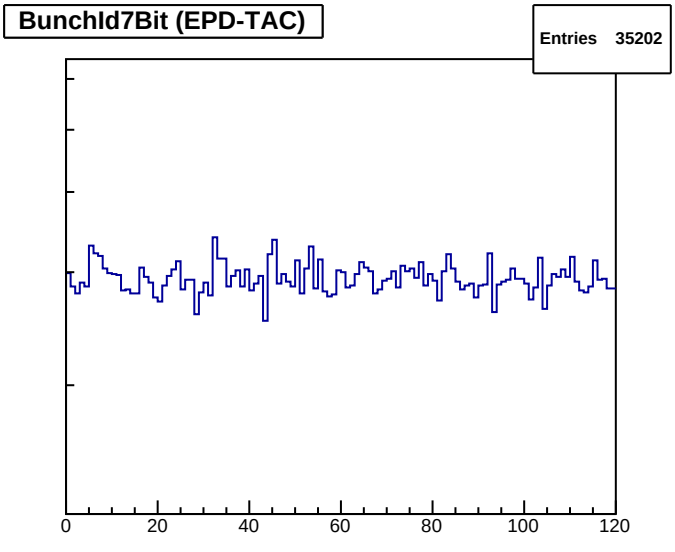
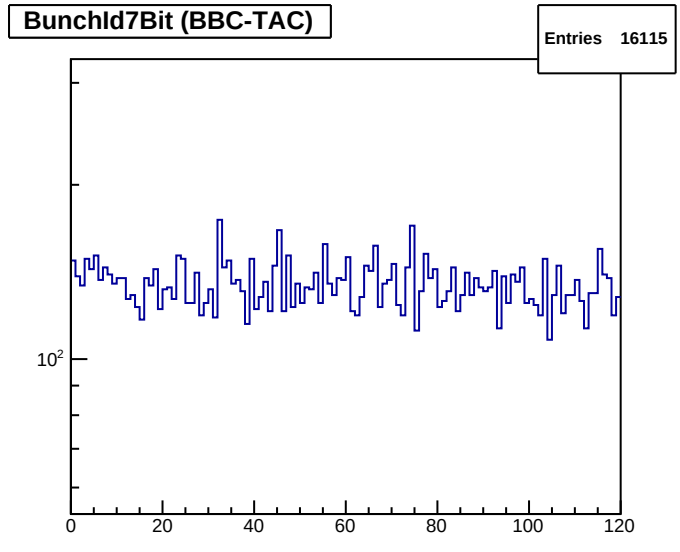
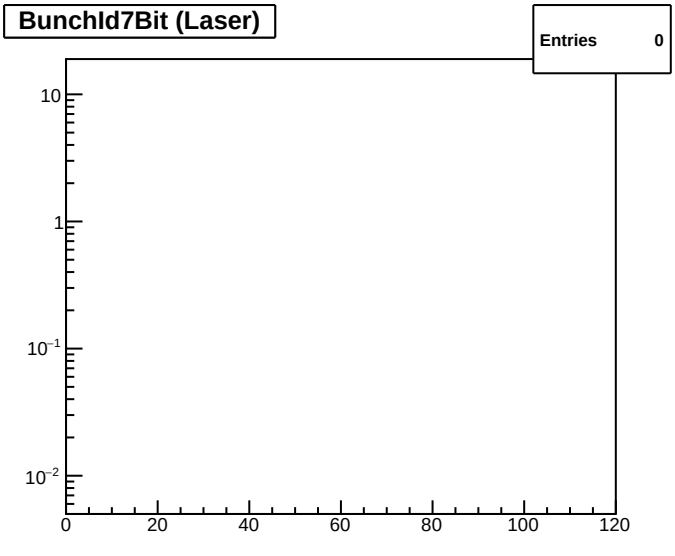
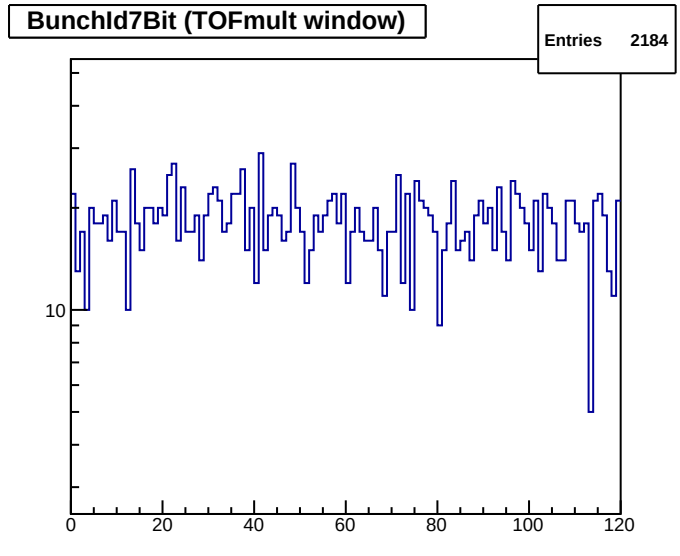

BunchId7Bit (VPD-TAC)
Entries 21605
10^2
0 20 40 60 80 100 120

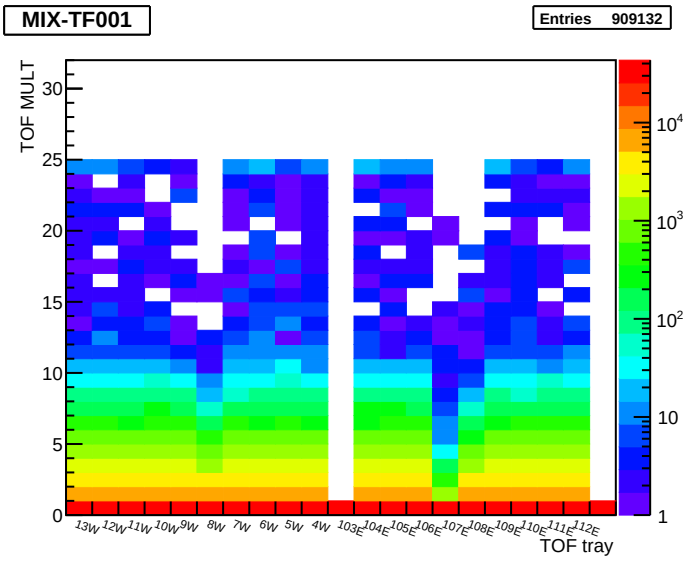

BunchId7Bit (ZDC-TAC)
Entries 108
1
0 20 40 60 80 100 120

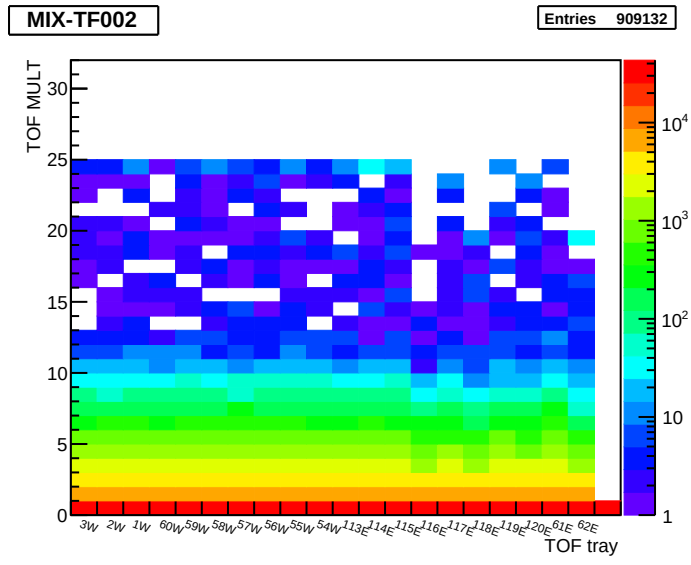

BunchId7Bit (EPD-TAC)
Entries 35202
0 20 40 60 80 100 120

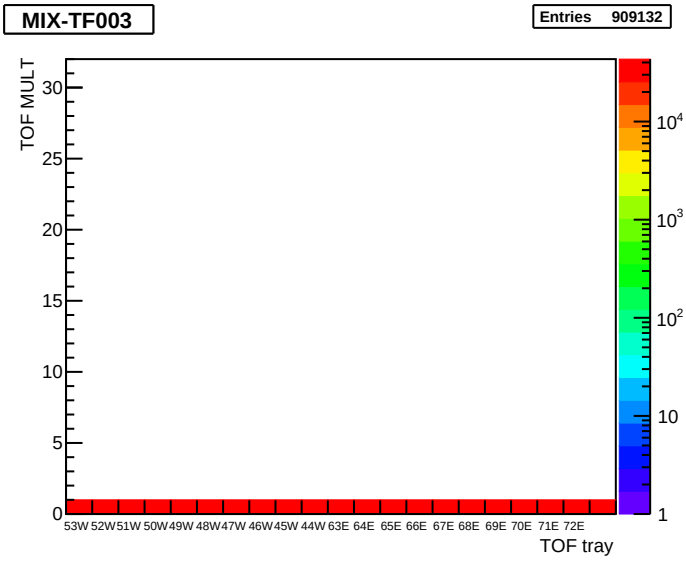

BunchId7Bit (BBC-TAC)
Entries 16115
10^2
0 20 40 60 80 100 120

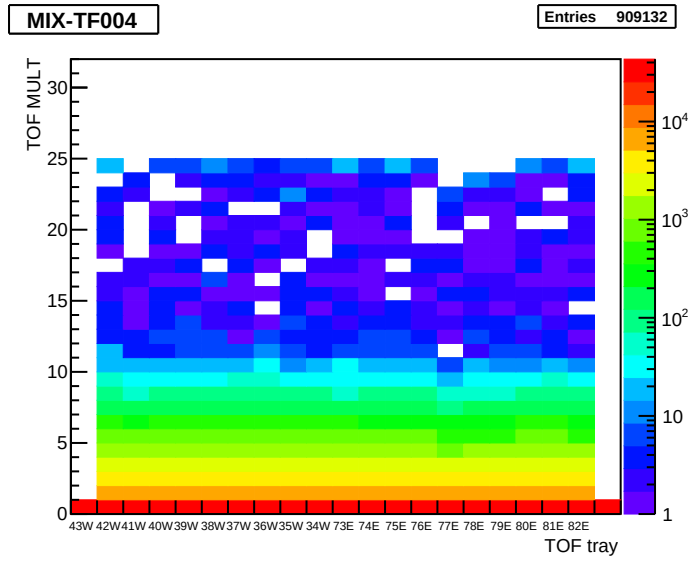

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

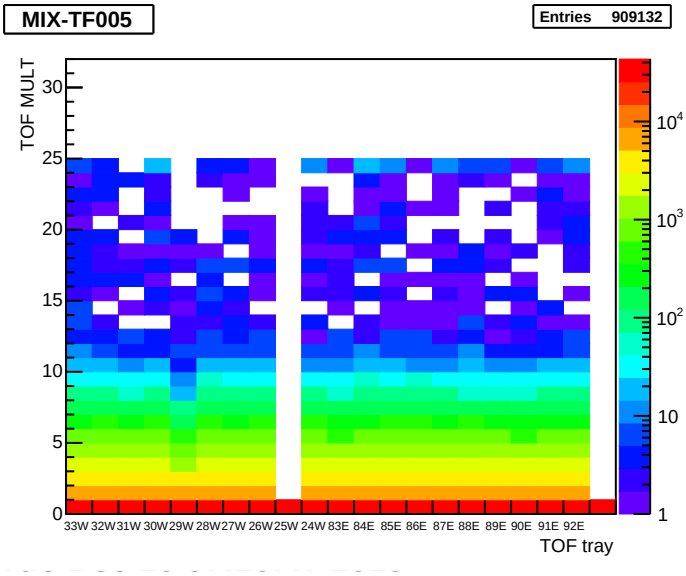

BunchId7Bit (TOFmult window)
Entries 2184
10
0 20 40 60 80 100 120

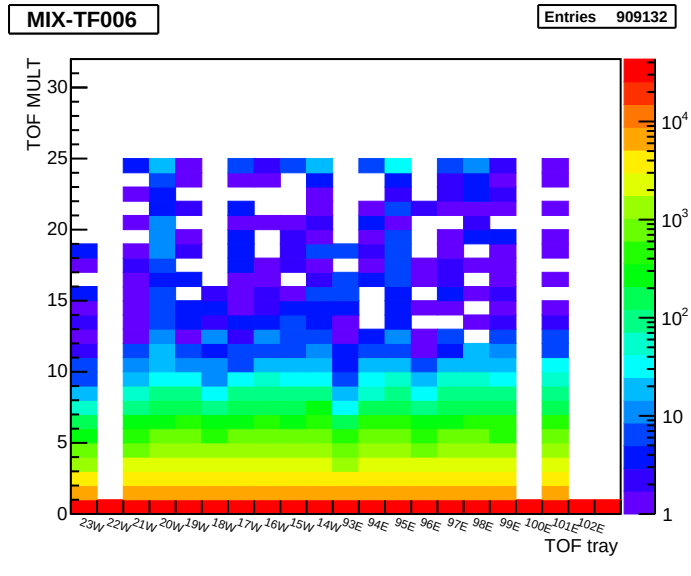

MIX-TF001
Entries 909132
TOF MULT
TOF tray

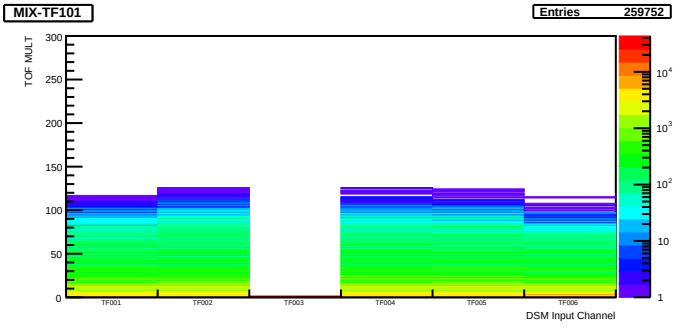

MIX-TF002
Entries 909132
TOF MULT
TOF tray

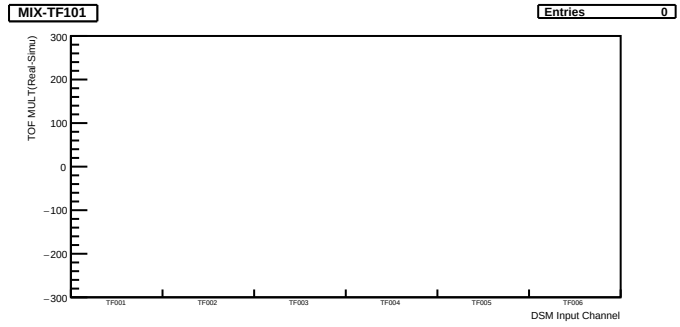

MIX-TF003
Entries 909132
TOF MULT
TOF tray

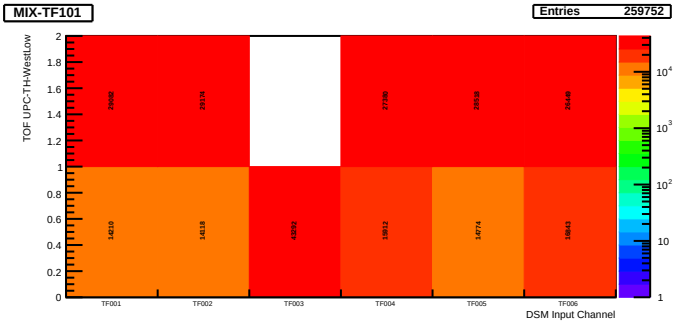

MIX-TF004
Entries 909132
TOF MULT
TOF tray

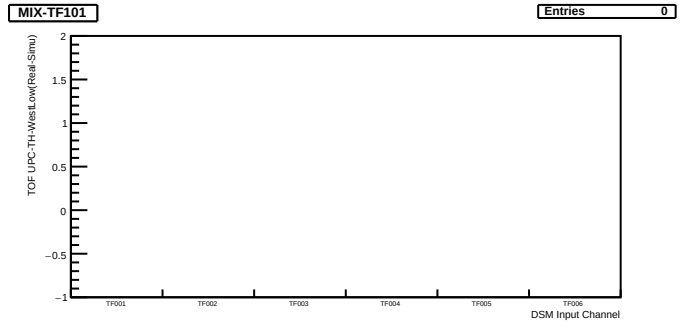

MIX-TF005
Entries 909132
TOF MULT
TOF tray

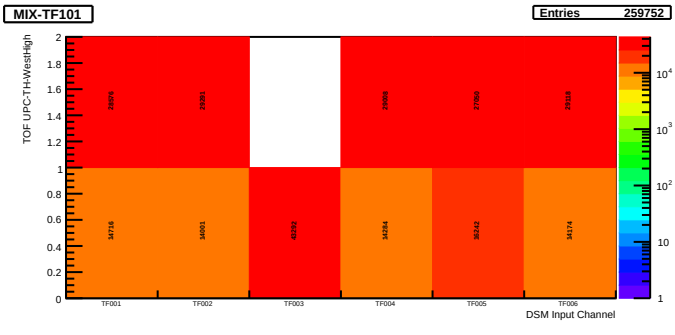

MIX-TF006
Entries 909132
TOF MULT
TOF tray

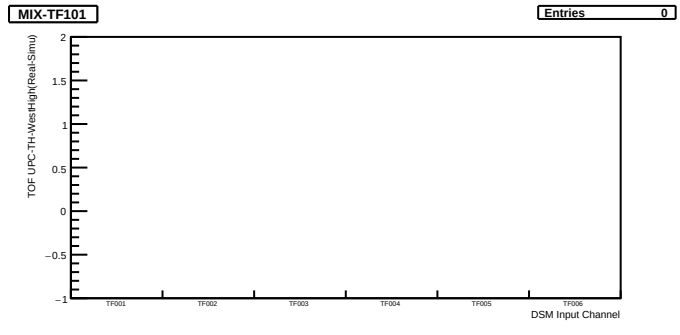

MIX-TF101
Entries 259752
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

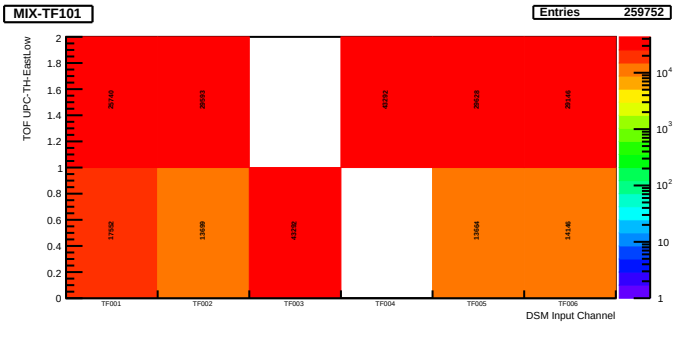

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

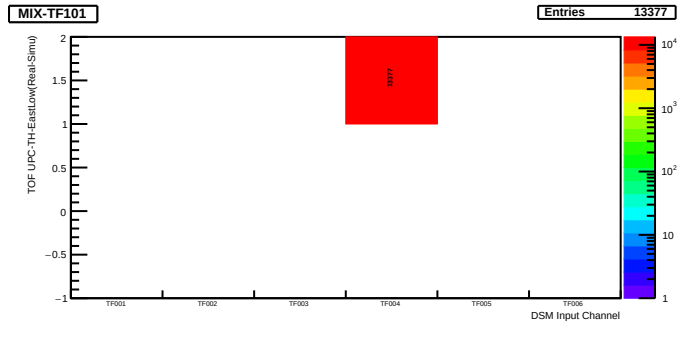

MIX-TF101
Entries 259752
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

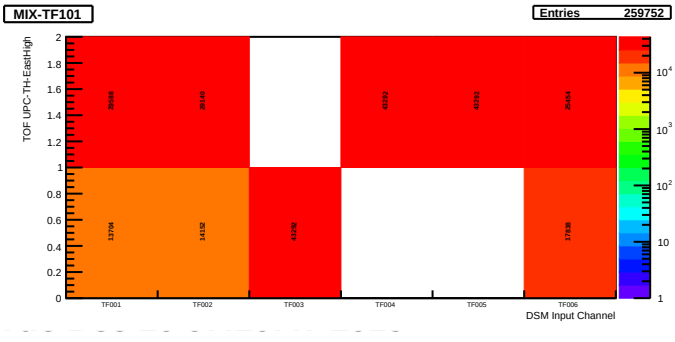

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

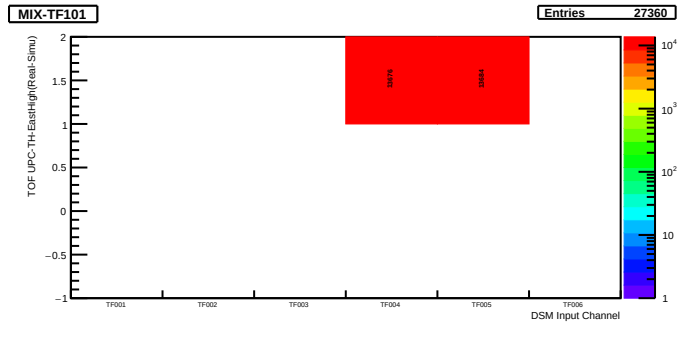

MIX-TF101
Entries 259752
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

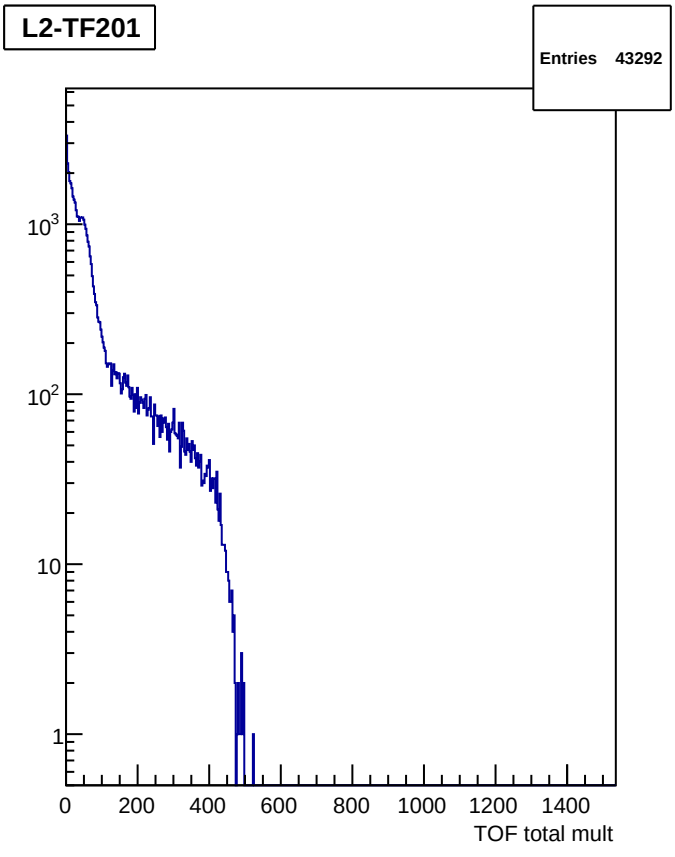

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

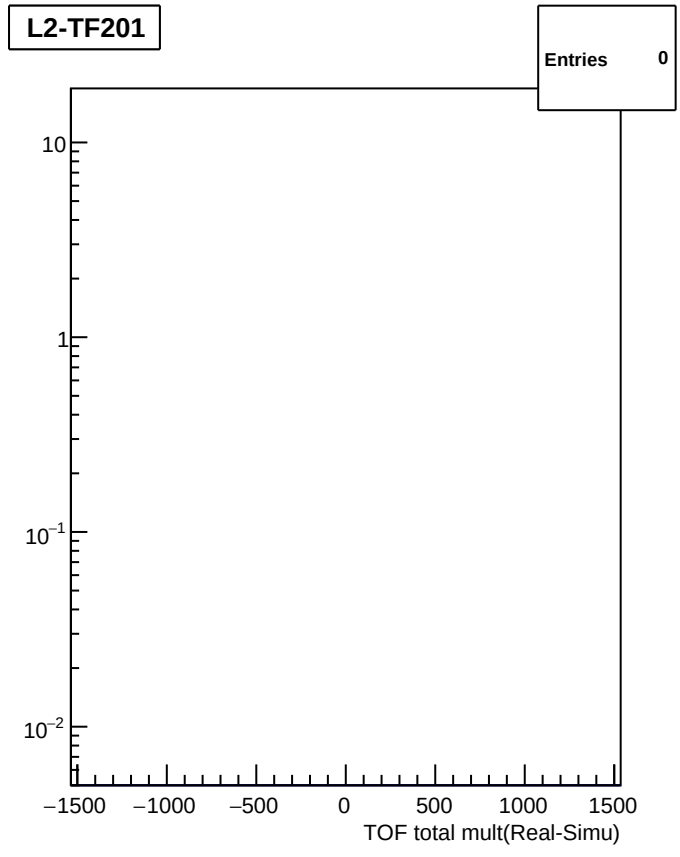

MIX-TF101
Entries 259752
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

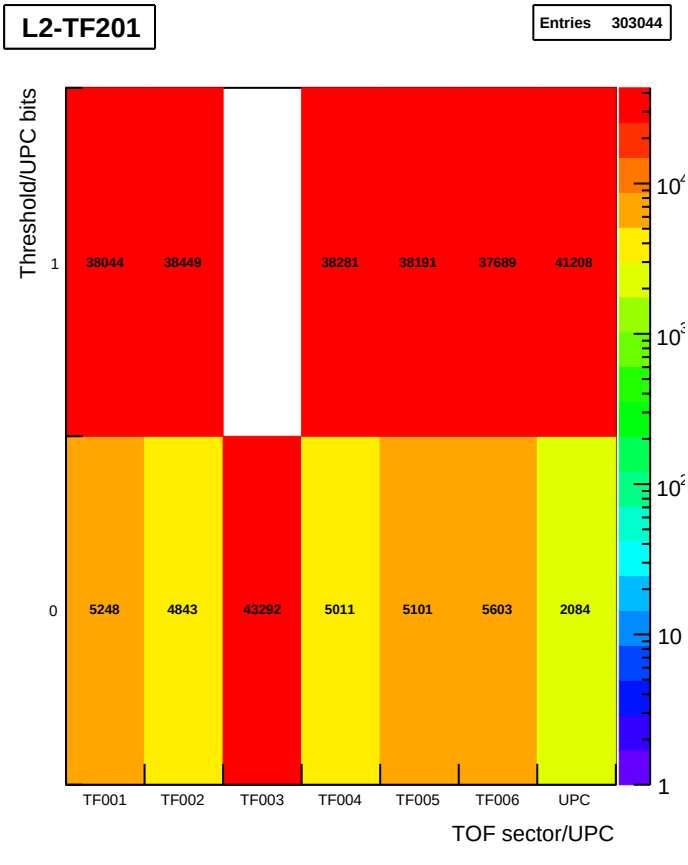

MIX-TF101
Entries 13377
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

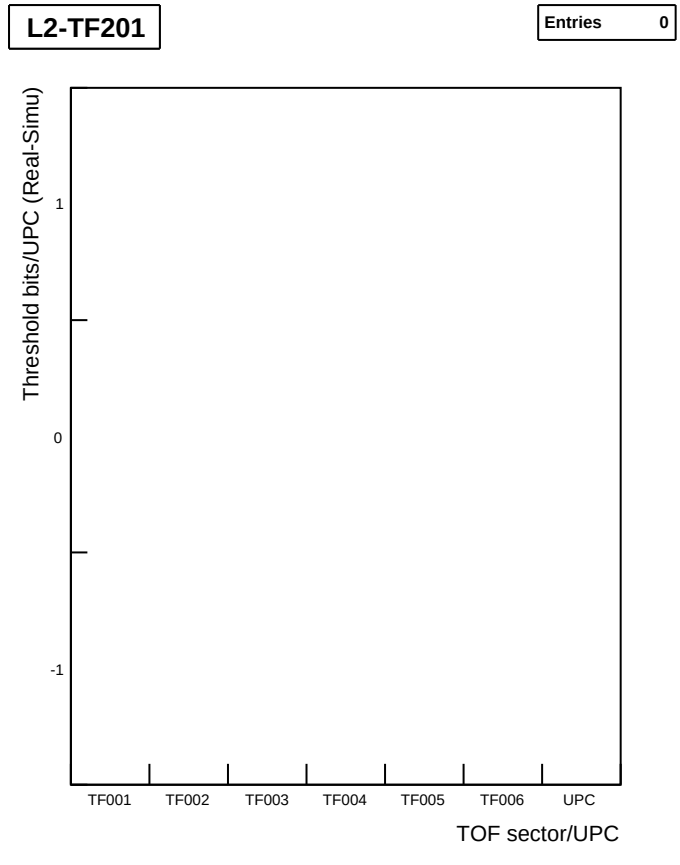

MIX-TF101
Entries 259752
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

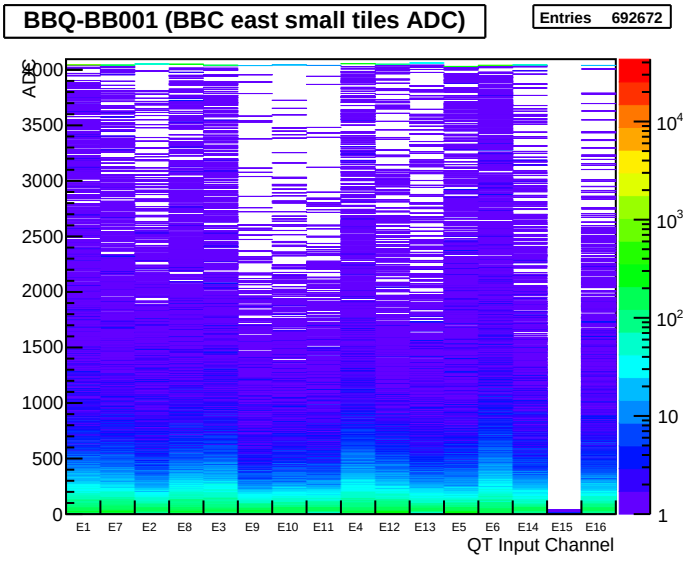

MIX-TF101
Entries 27360
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

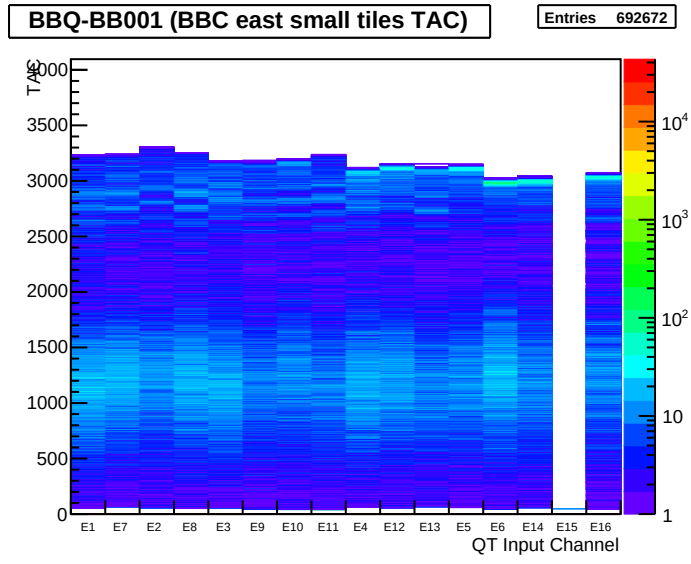

L2-TF201
Entries 43292
TOF total mult

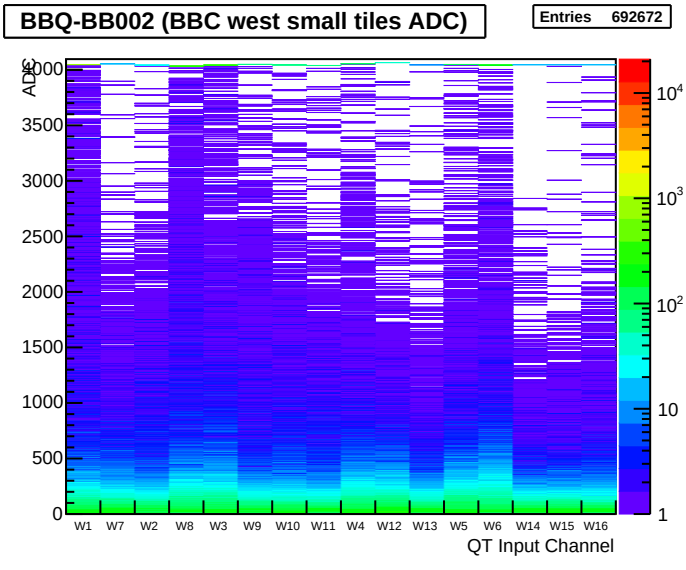

L2-TF201
Entries 0
TOF total mult(Real-Simu)

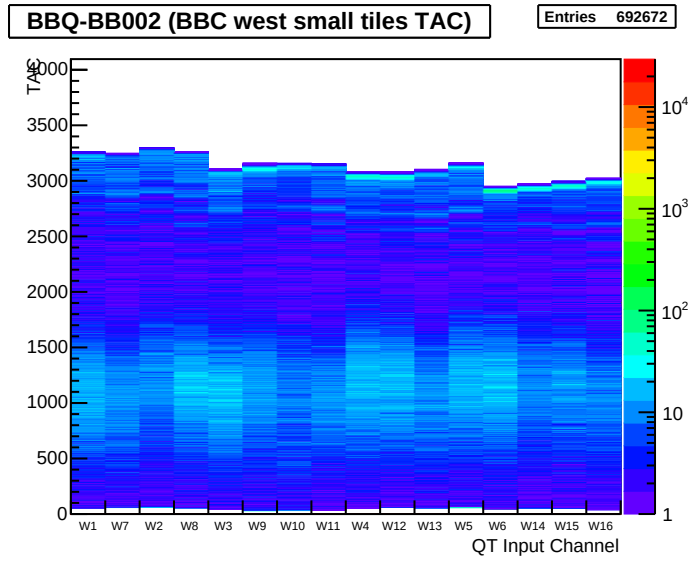

L2-TF201
Entries 303044
Threshold/UPC bits
38044
38449
38281
38191
37689
41208
5248
4843
43292
5011
5101
5603
2084
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

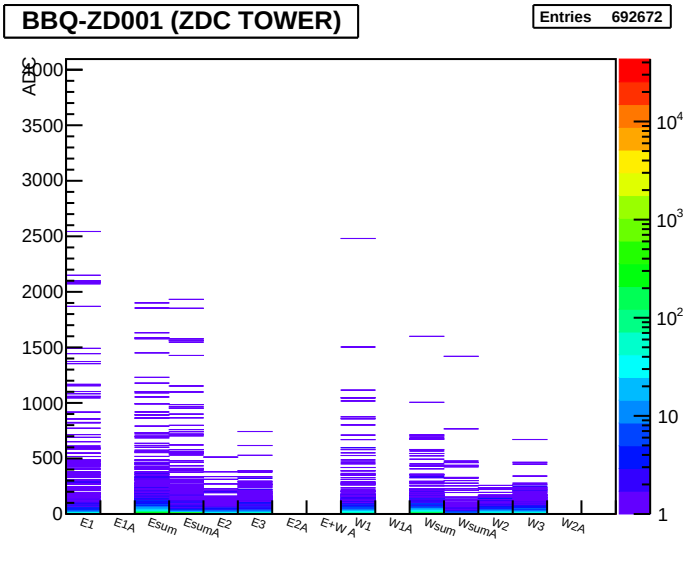

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

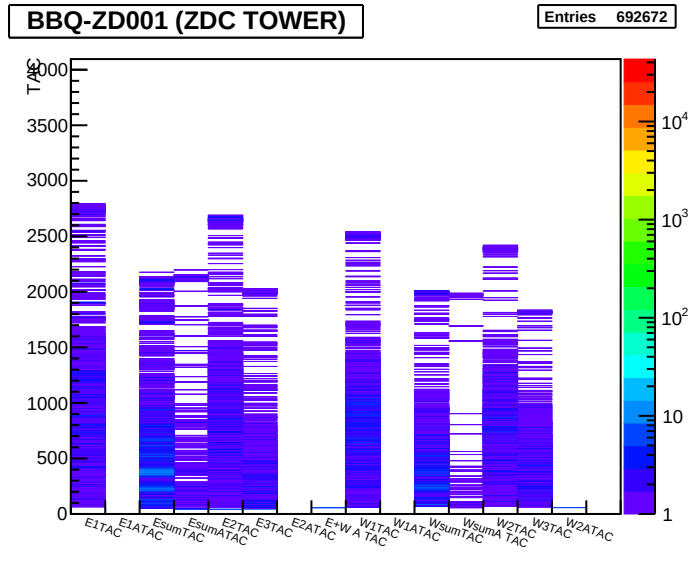

BBQ-BB001 (BBC east small tiles ADC)
Entries 692672
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

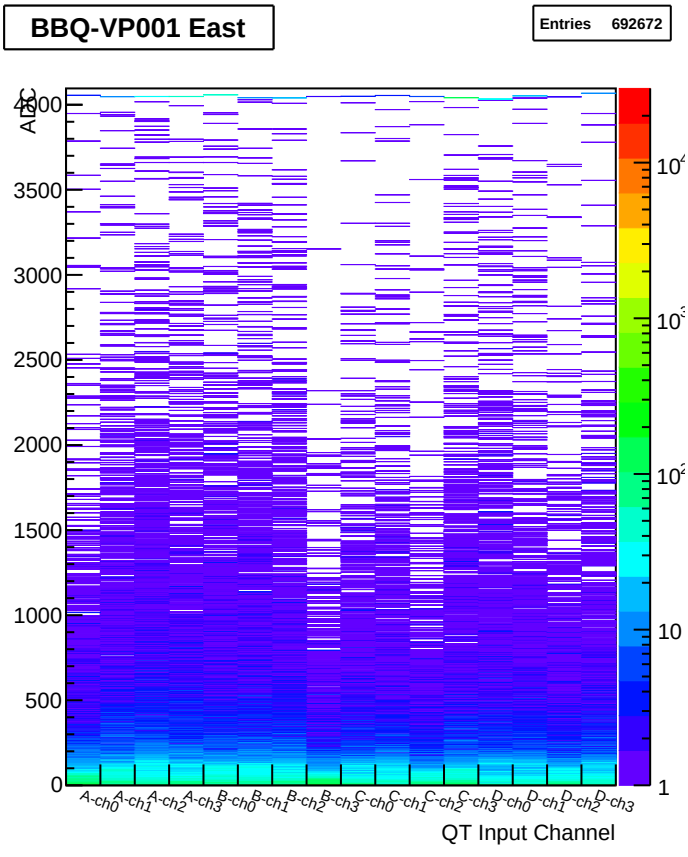

BBQ-BB001 (BBC east small tiles TAC)
Entries 692672
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

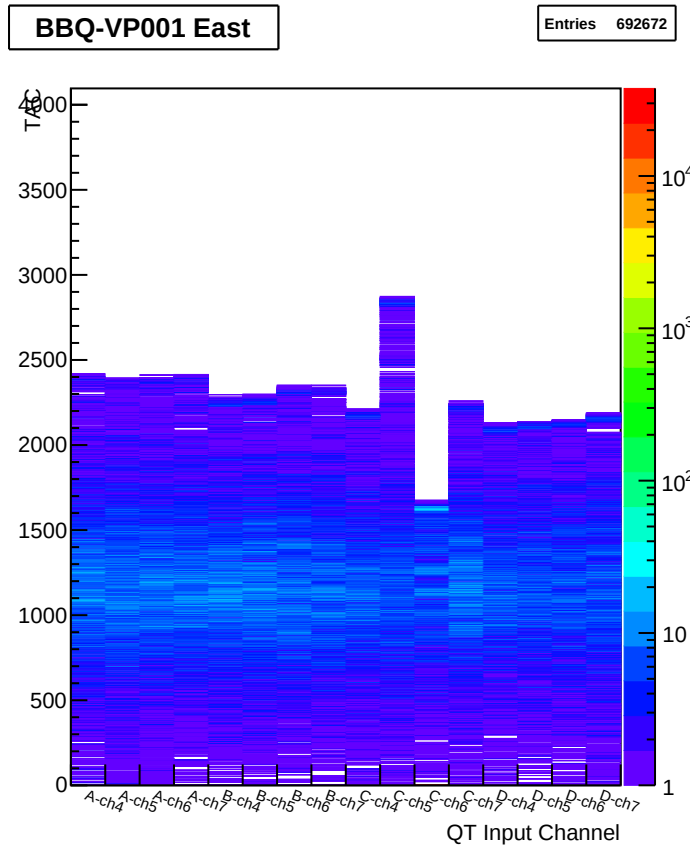

BBQ-BB002 (BBC west small tiles ADC)
Entries 692672
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

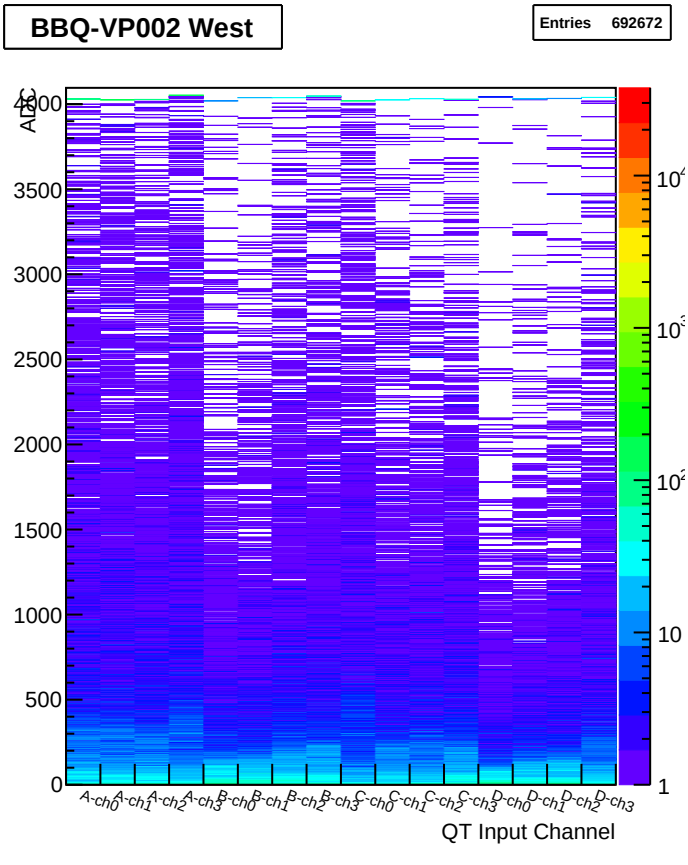

BBQ-BB002 (BBC west small tiles TAC)
Entries 692672
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

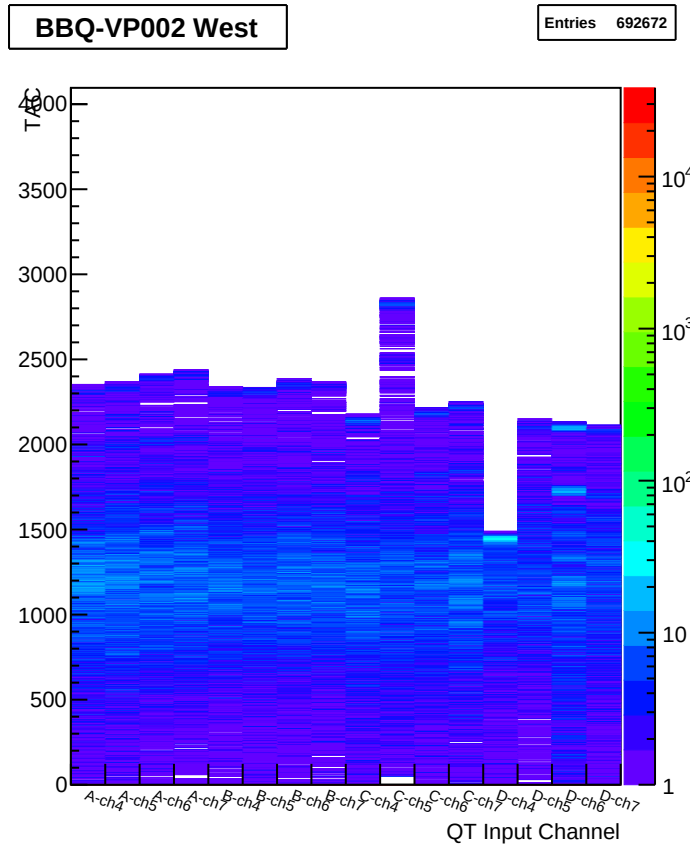

BBQ-ZD001 (ZDC TOWER)
Entries 692672
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

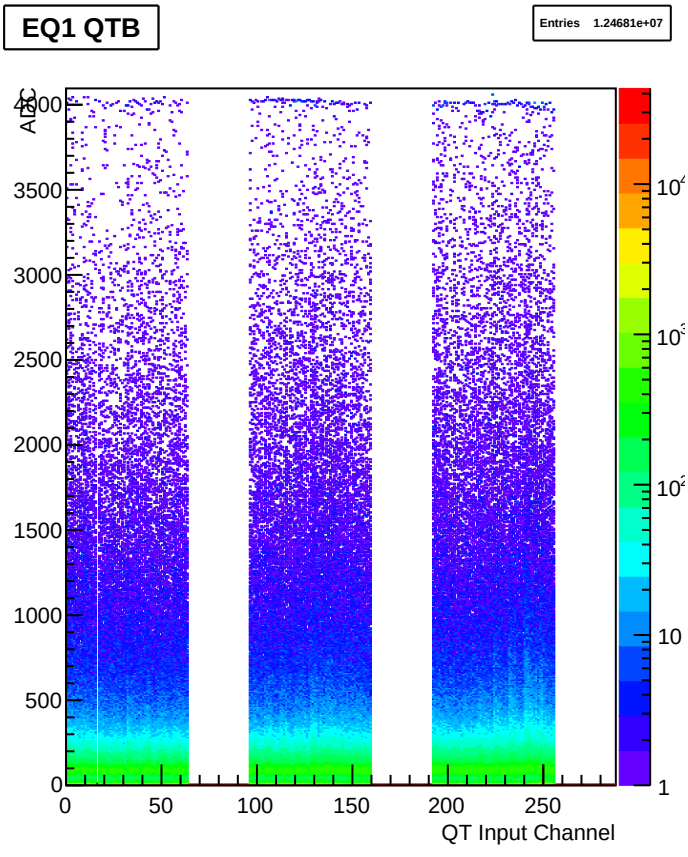

BBQ-ZD001 (ZDC TOWER)
Entries 692672
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

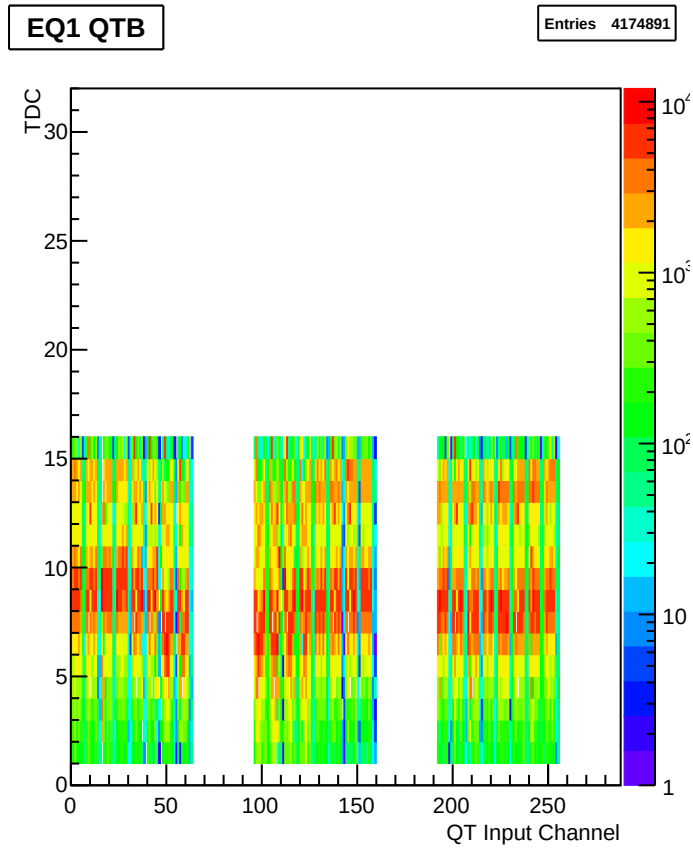

BBQ-VP001 East
Entries 692672
ADC
QT Input Channel

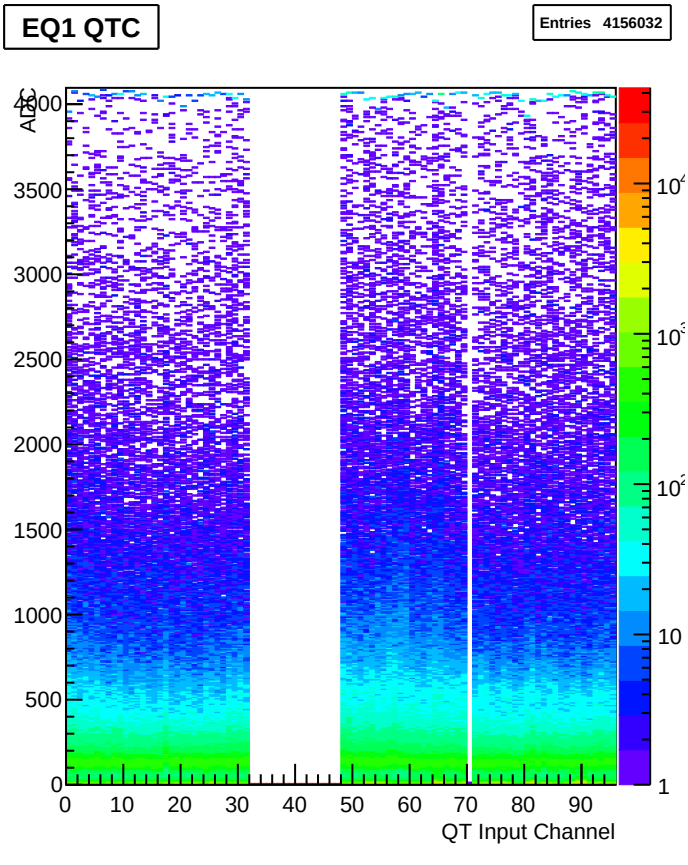

BBQ-VP001 East
Entries 692672
TADC
QT Input Channel

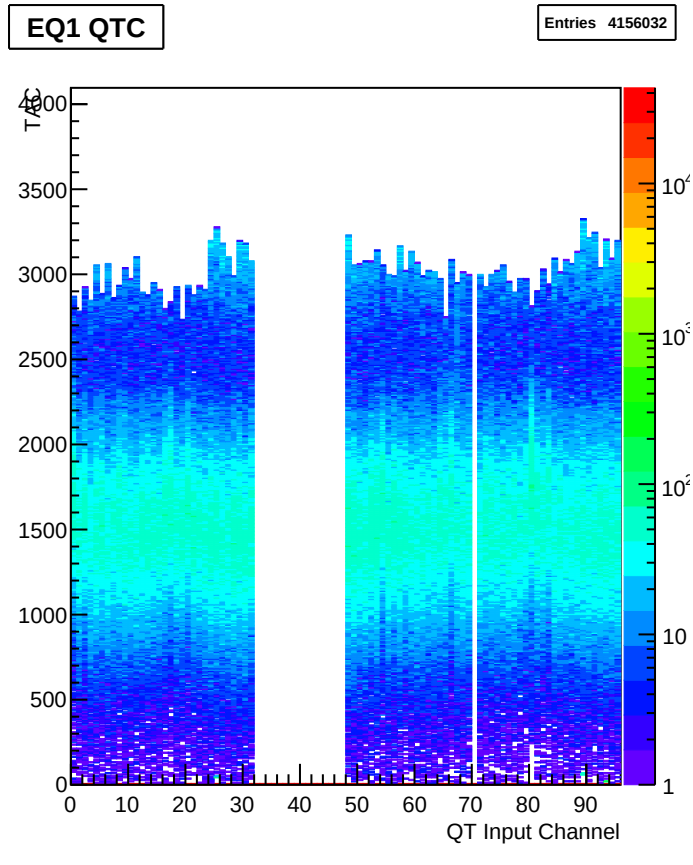

BBQ-VP002 West
Entries 692672
ADC
QT Input Channel

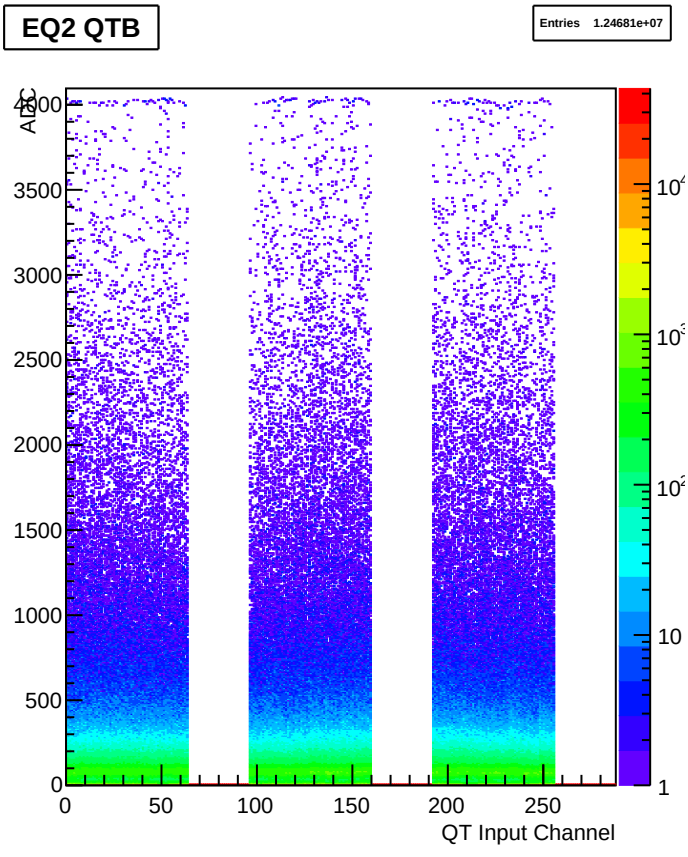

BBQ-VP002 West
Entries 692672
TADC
QT Input Channel

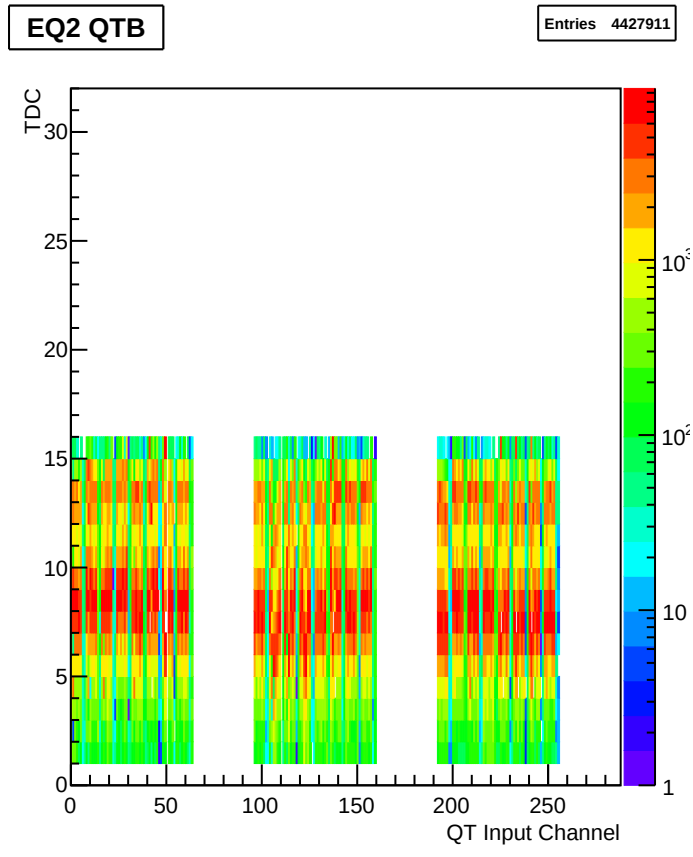

EQ1 QTB
Entries 1.24681e+07
ADC
QT Input Channel

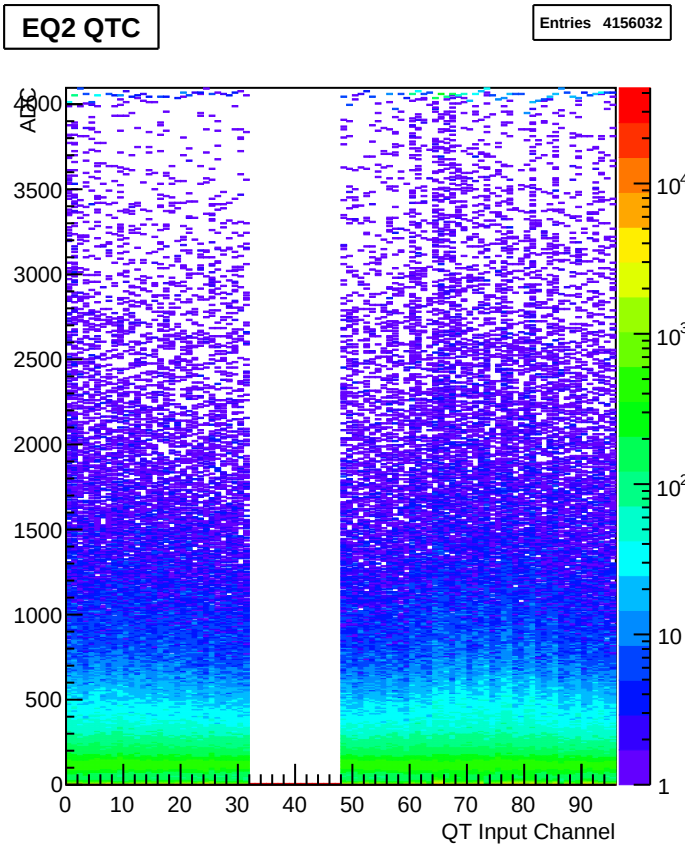

EQ1 QTB
Entries 4174891
TDC
QT Input Channel

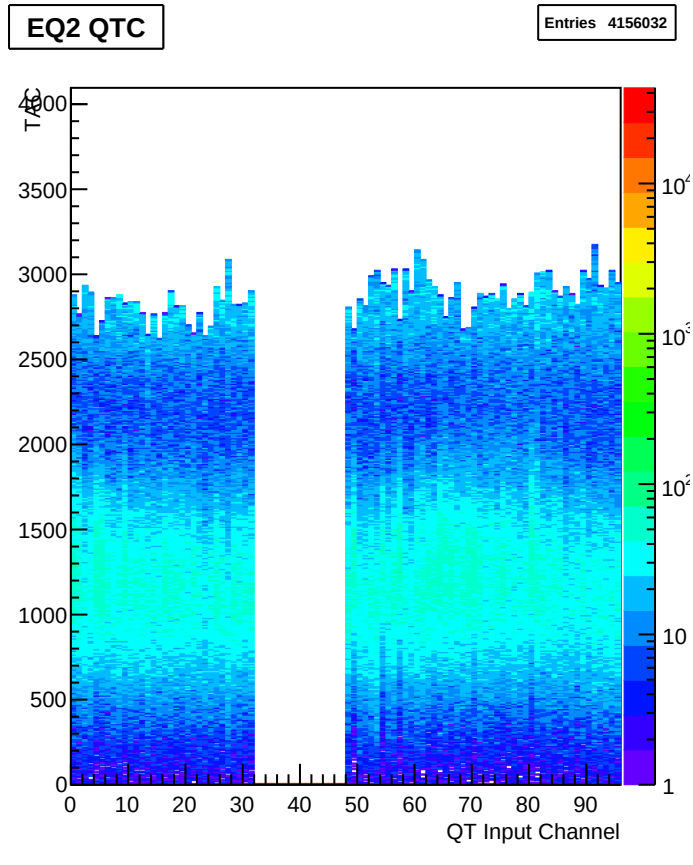

EQ1 QTC
Entries 4156032
ADC
QT Input Channel

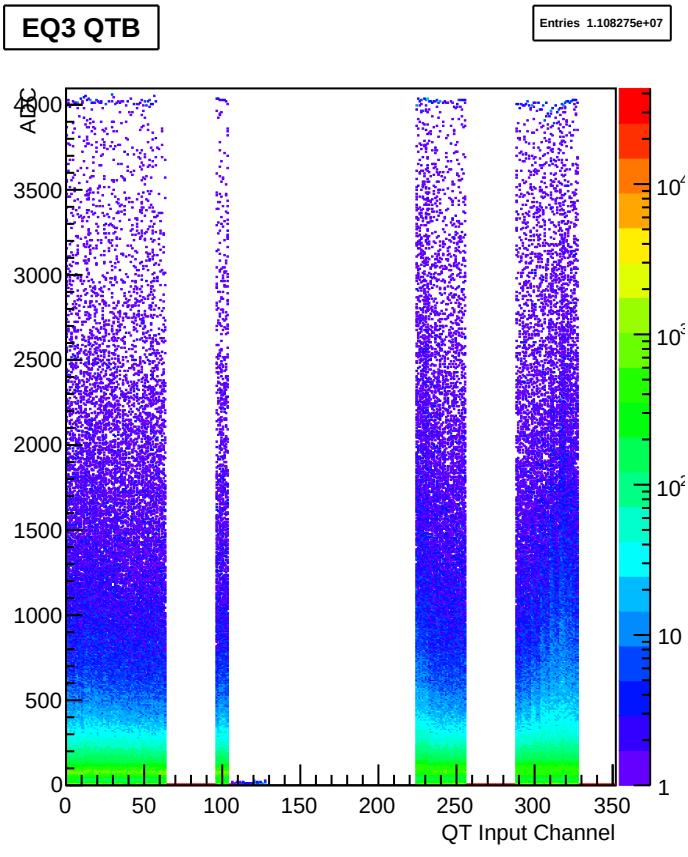

EQ1 QTC
Entries 4156032
TADC
QT Input Channel

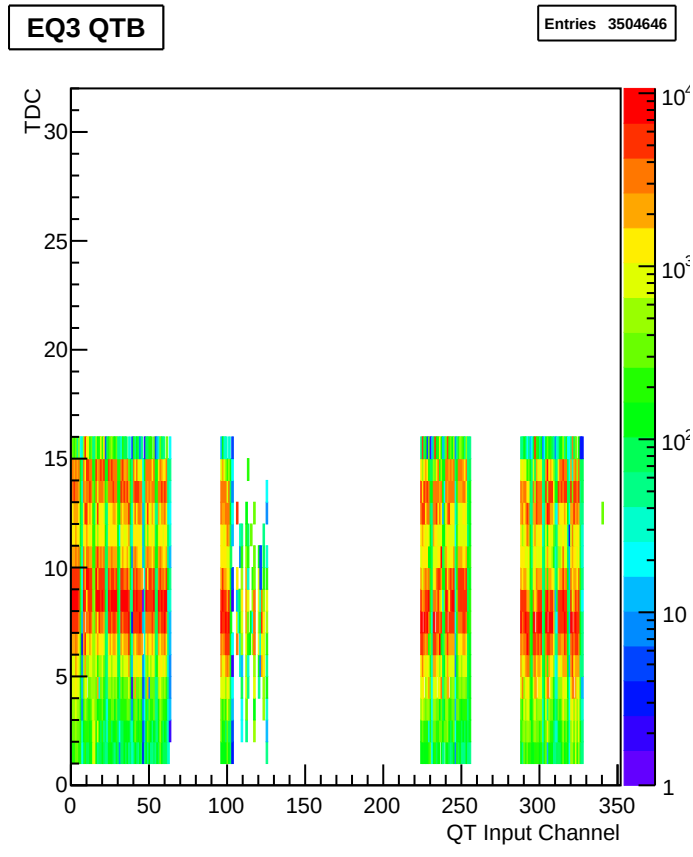

EQ2 QTB
Entries 1.24681e+07
ADC
QT Input Channel

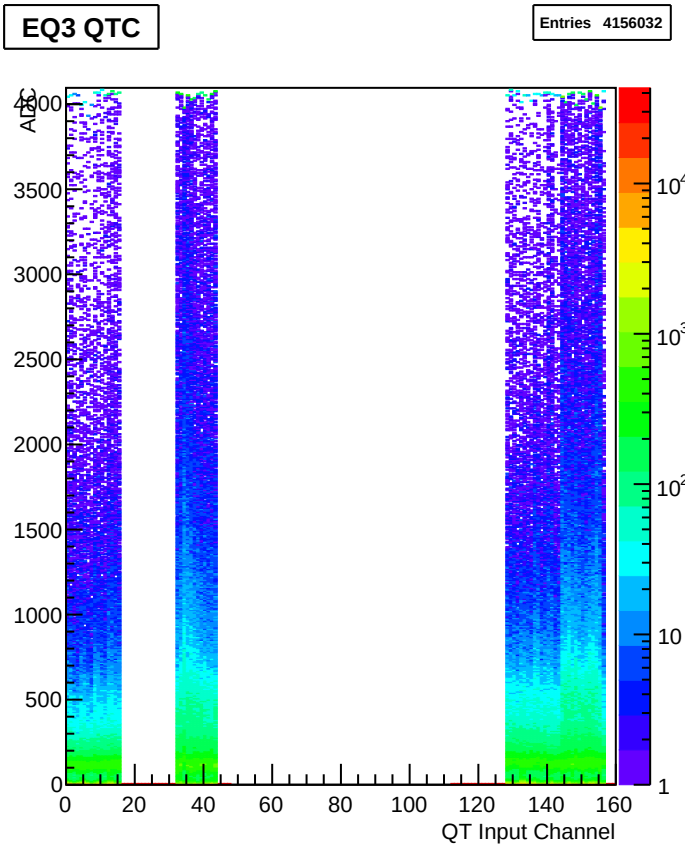

EQ2 QTB
Entries 4427911
TDC
QT Input Channel

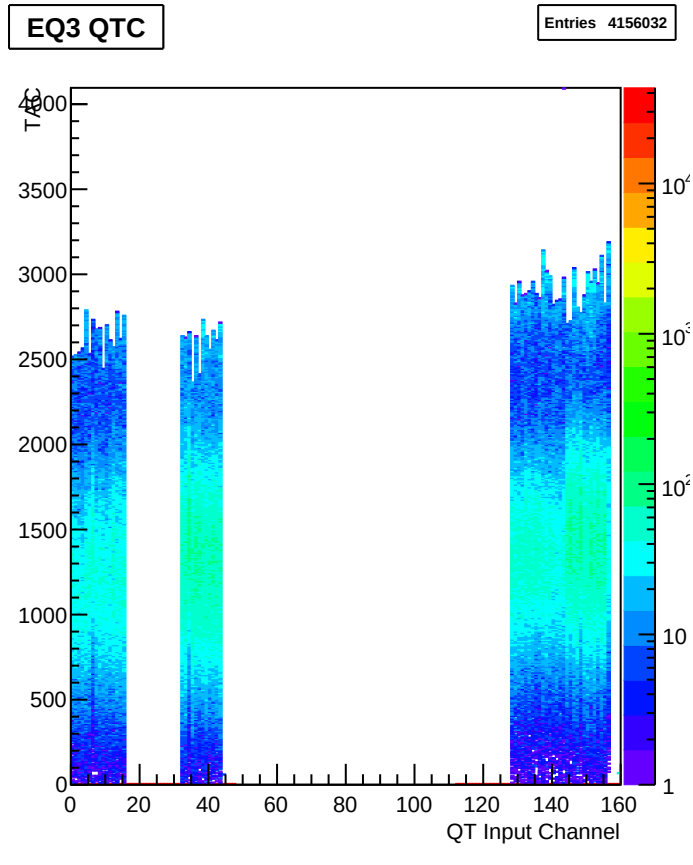

EQ2 QTC
Entries 4156032
ADC
QT Input Channel

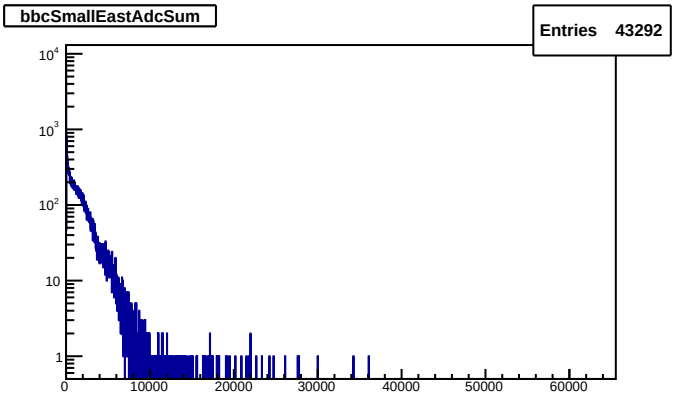

EQ2 QTC
Entries 4156032
TADC
QT Input Channel

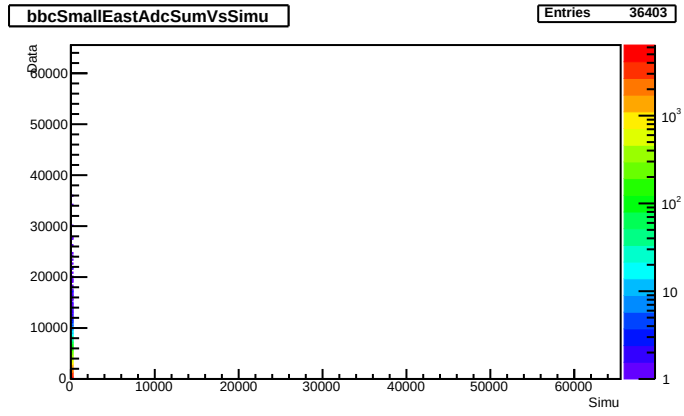

EQ3 QTB
Entries 1.108275e+07
ADC
QT Input Channel

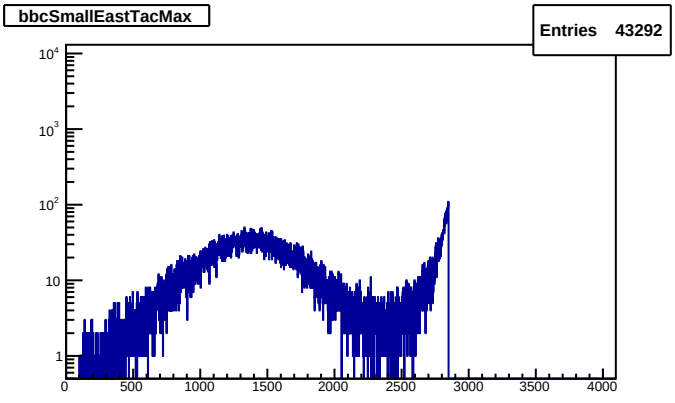

EQ3 QTB
Entries 3504646
TDC
QT Input Channel

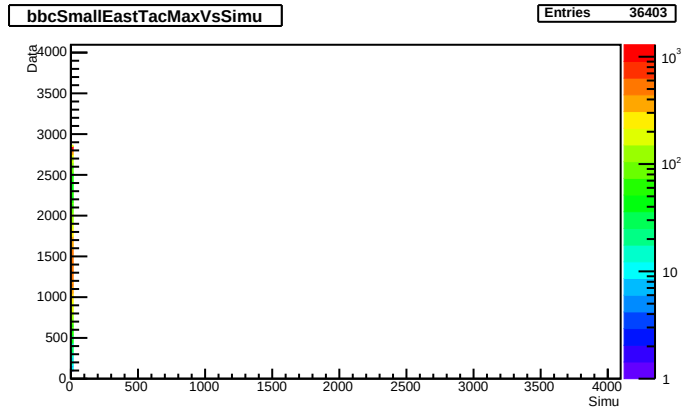

EQ3 QTC
Entries 4156032
ADC
QT Input Channel


EQ3 QTC
Entries 4156032
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 43292


bbcSmallEastAdcSumVsSimu
Entries 36403
Data
Simu


bbcSmallEastTacMax
Entries 43292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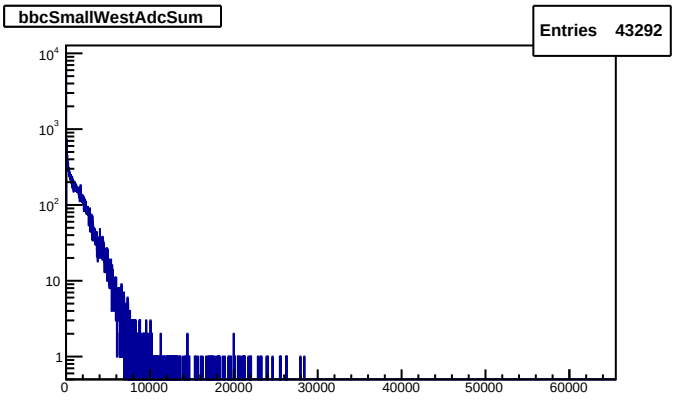
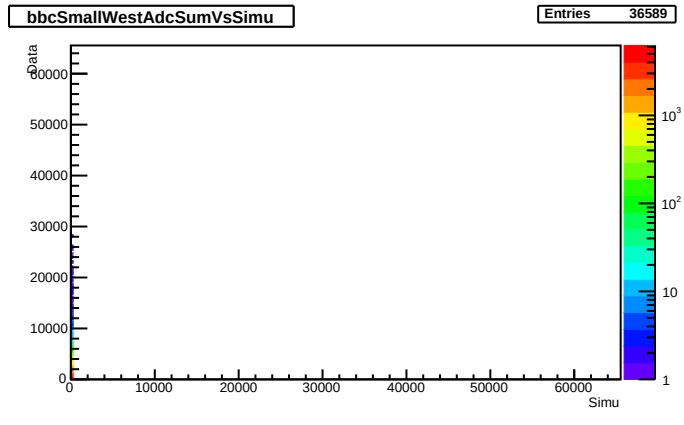
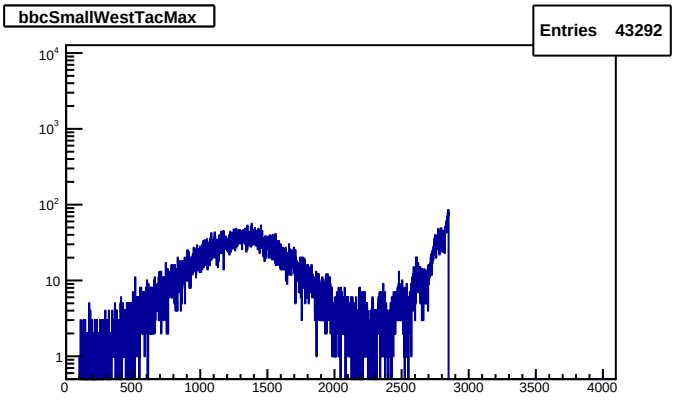
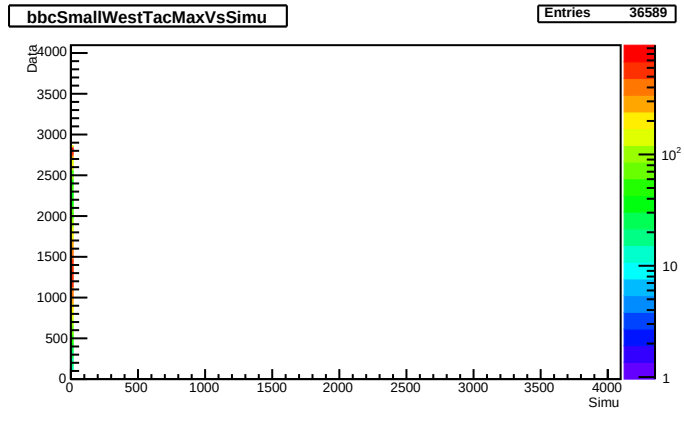
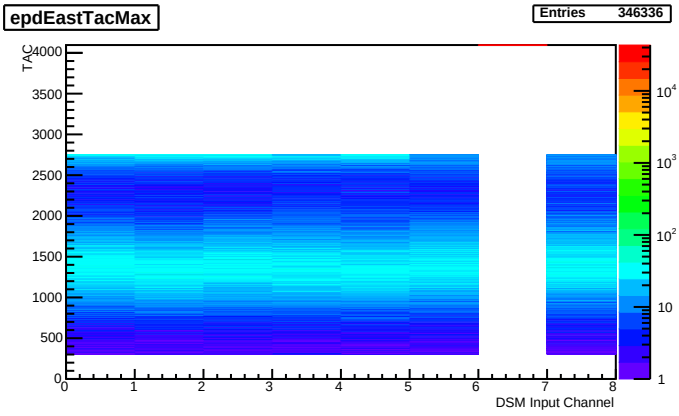
Entries 36403
Data
Simu

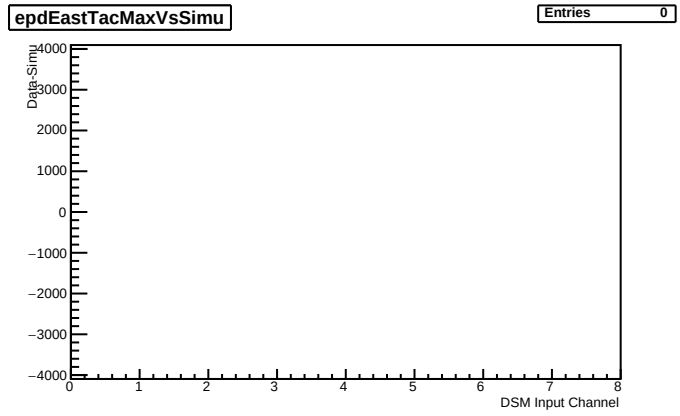

bbcSmallWestAdcSum
Entries 43292

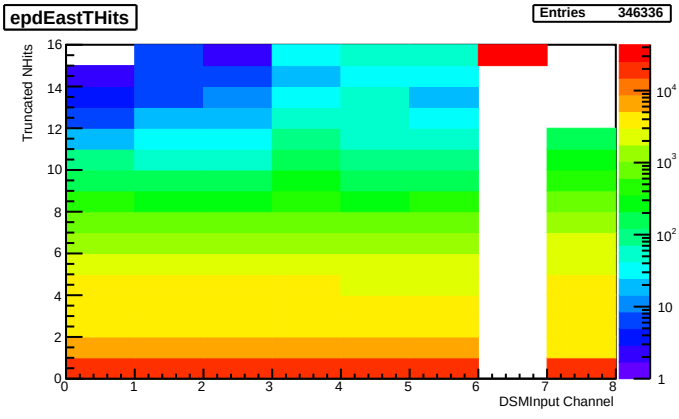

bbcSmallWestAdcSumVsSimu
Entries 36589
Data
Simu

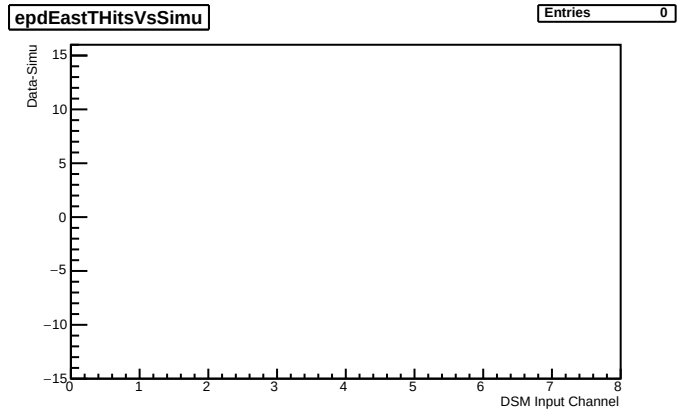

bbcSmallWestTacMax
Entries 43292

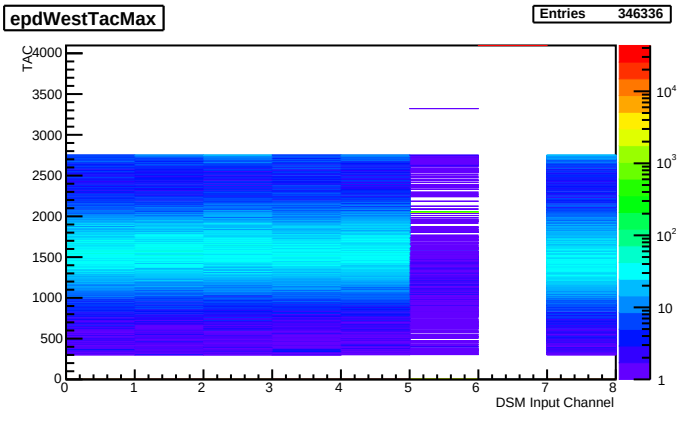

bbcSmallWestTacMaxVsSimu
Entries 36589
Data
Simu

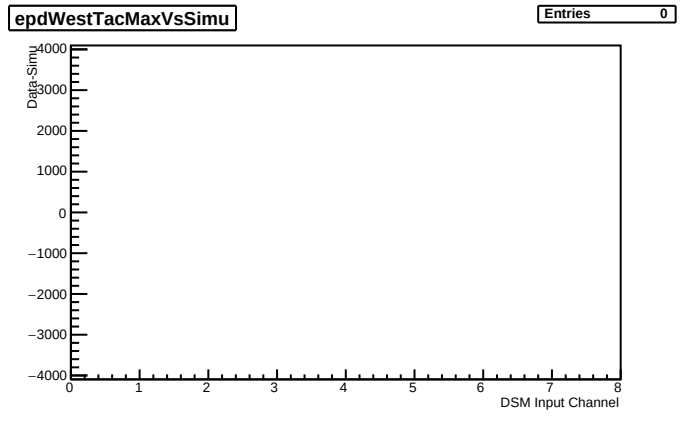

epdEastTacMax
Entries 346336
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 346336
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 346336
TAC
DSM Input Channel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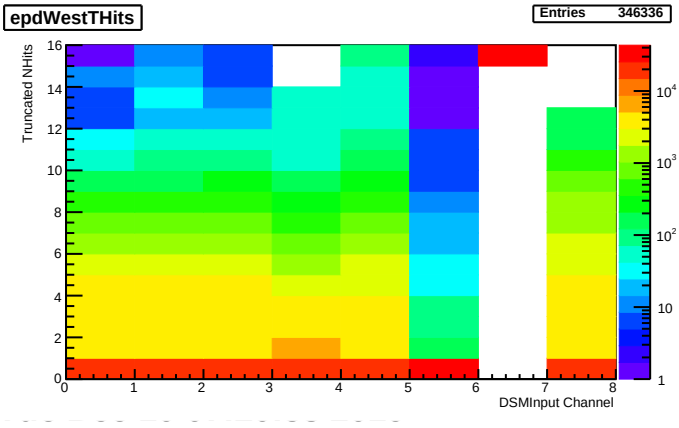
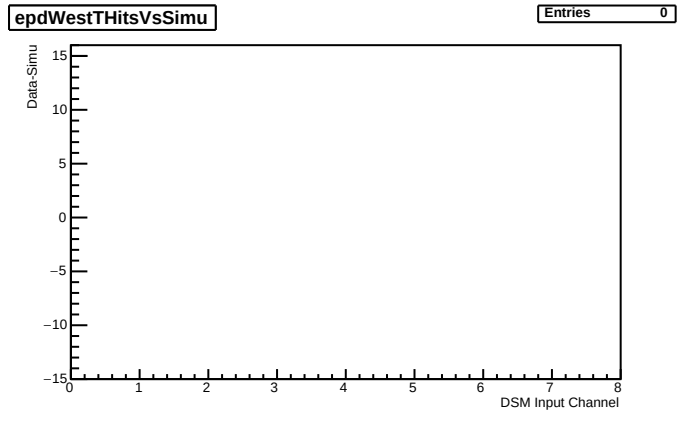
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 346336
Truncated NHits
DSMInput Channel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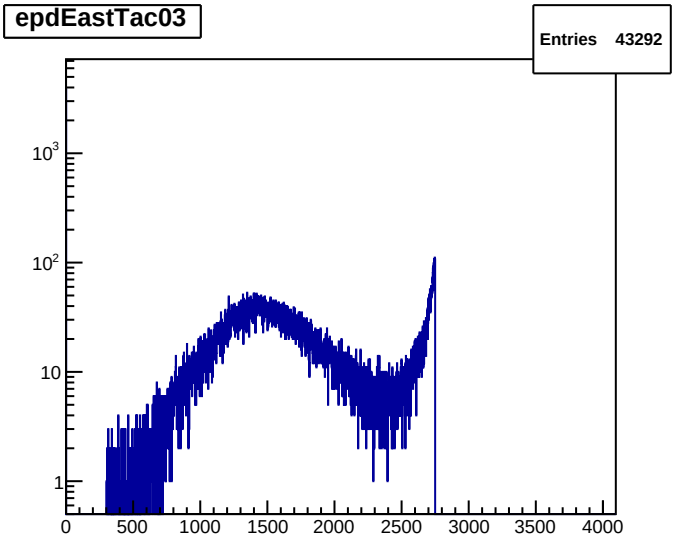
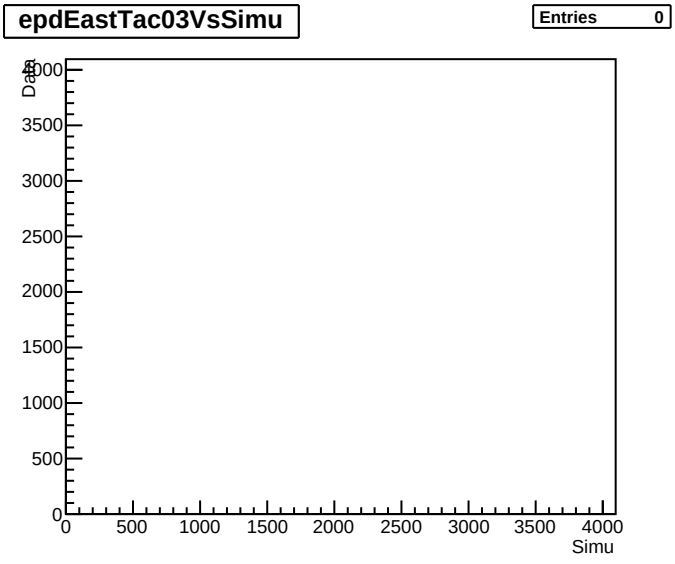
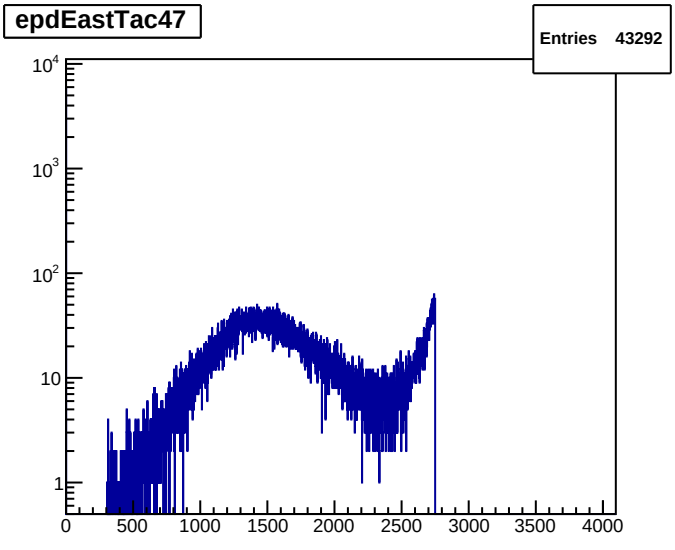
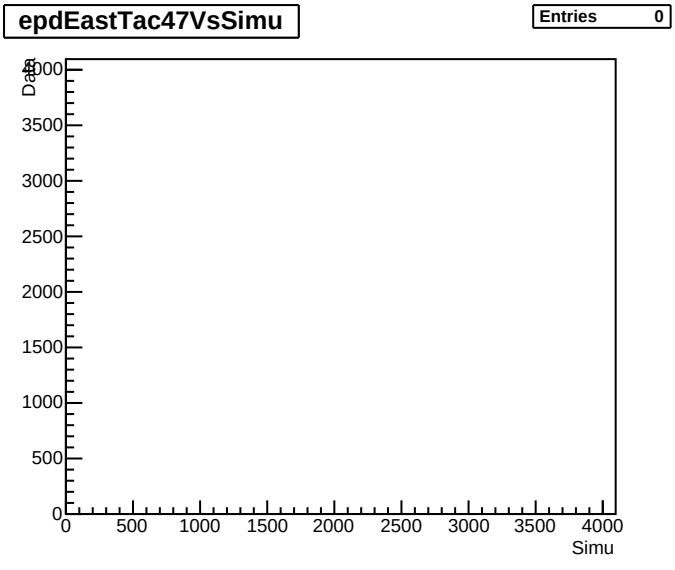
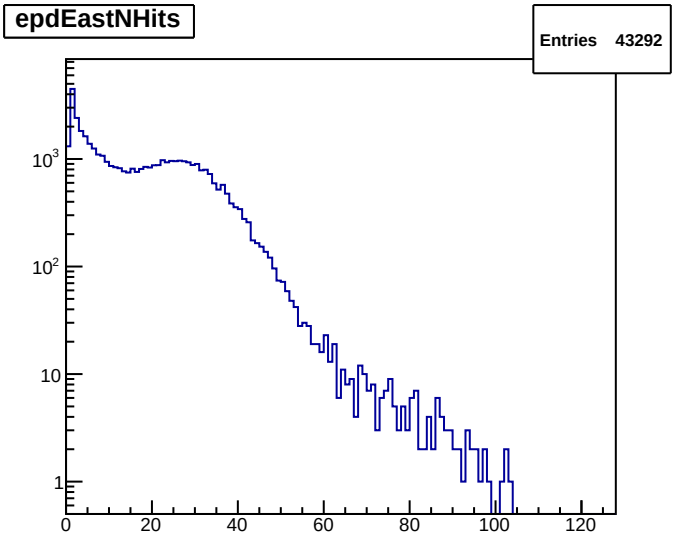
Entries 0
Data-Simu
DSM Input Channel

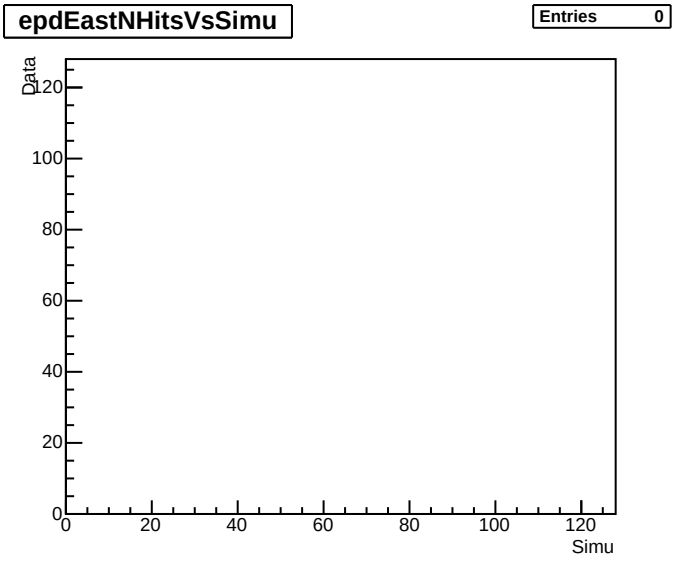

epdEastTac03
Entries 43292

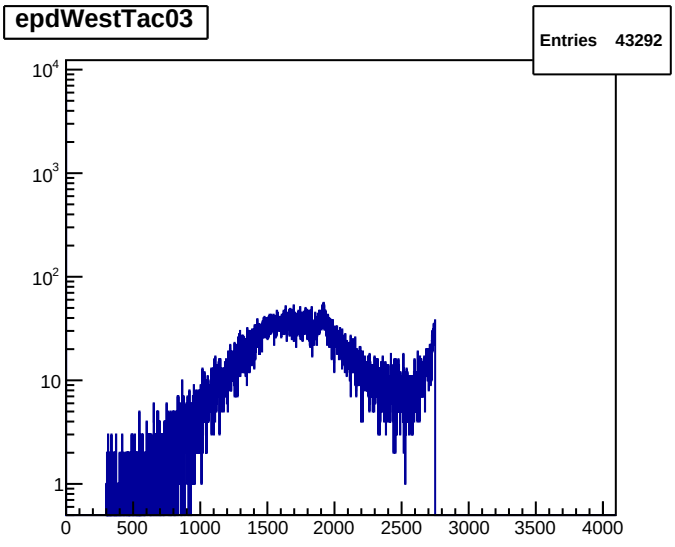

epdEastTac03VsSimu
Entries 0
Data
Simu

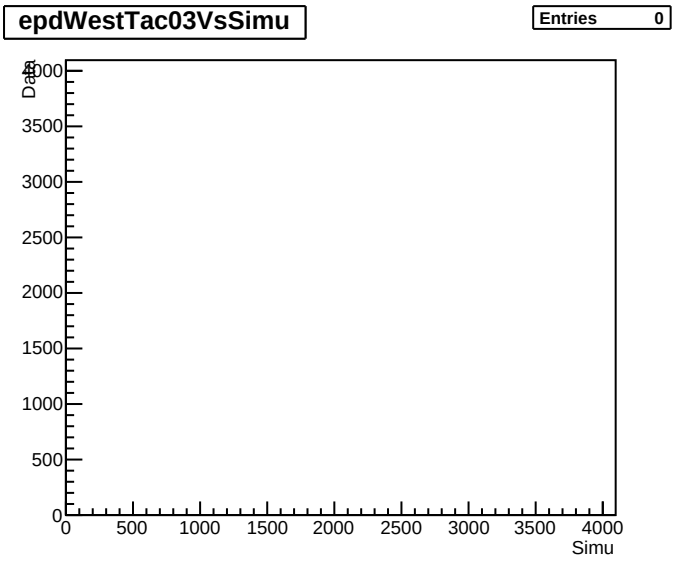

epdEastTac47
Entries 43292

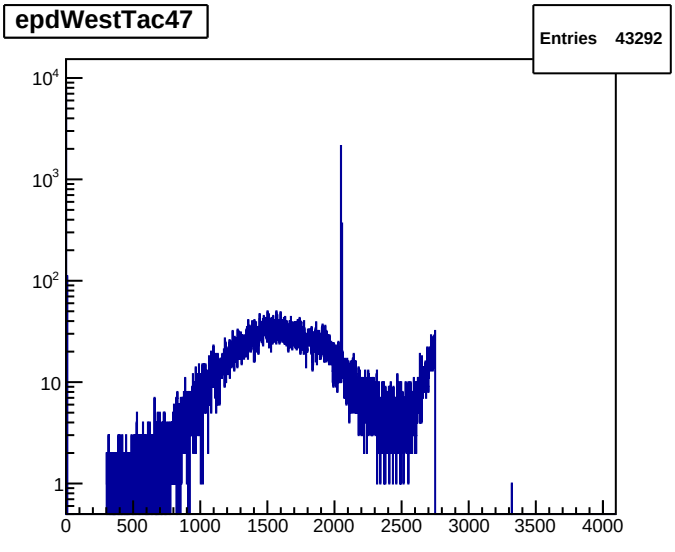

epdEastTac47VsSimu
Entries 0
Data
Simu

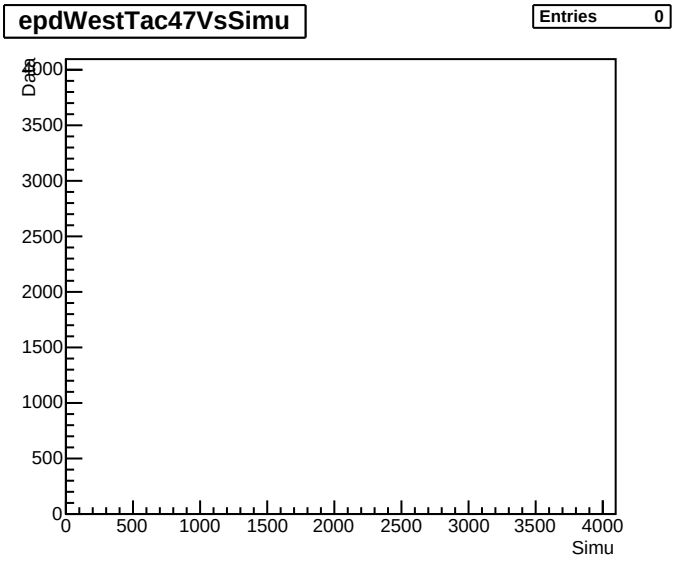

epdEastNHits
Entries 43292

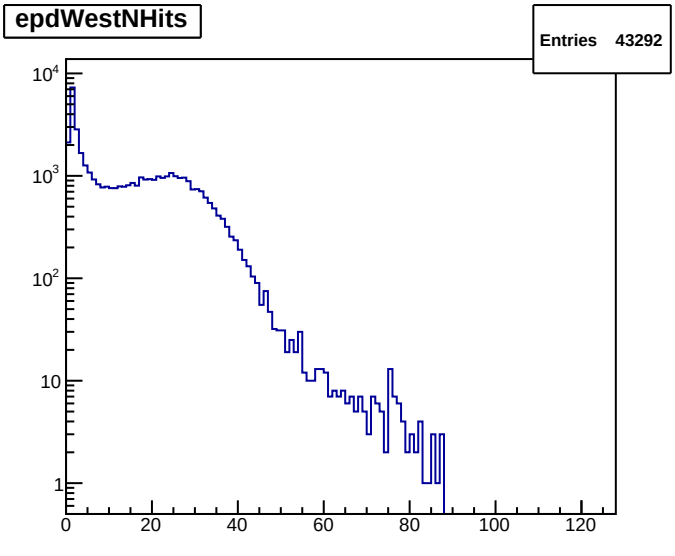

epdEastNHitsVsSimu
Entries 0
Data
Simu

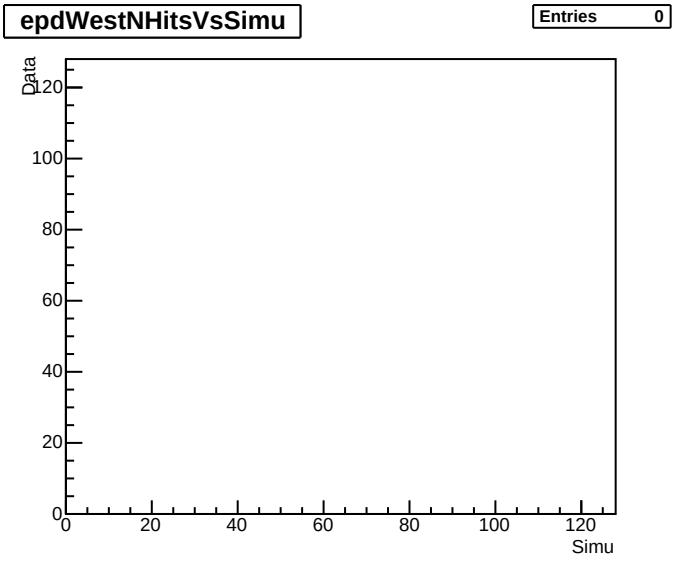

epdWestTac03
Entries 43292

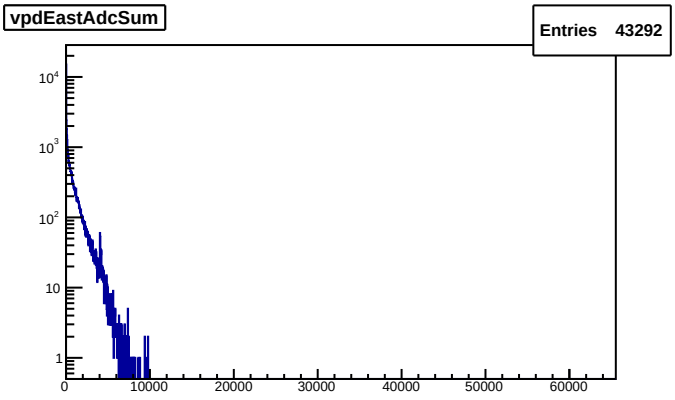

epdWestTac03VsSimu
Entries 0
Data
Simu

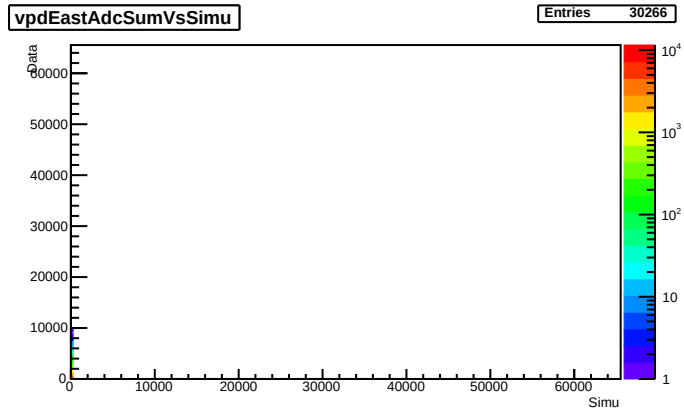

epdWestTac47
Entries 43292

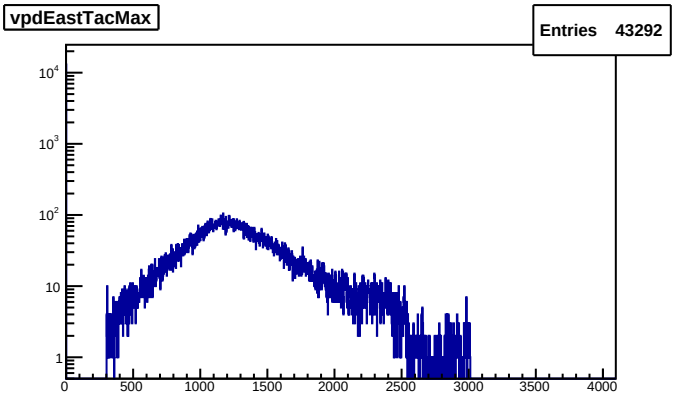

epdWestTac47VsSimu
Entries 0
Data
Simu

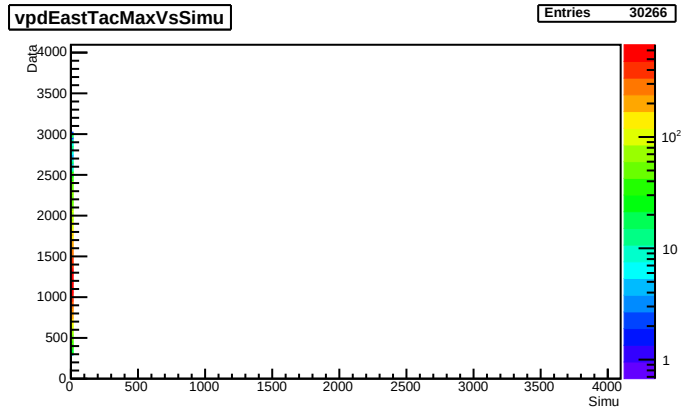

epdWestNHits
Entries 43292

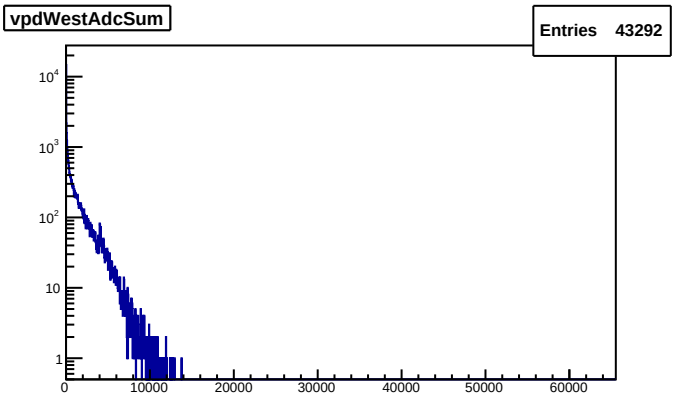

epdWestNHitsVsSimu
Entries 0
Data
Simu

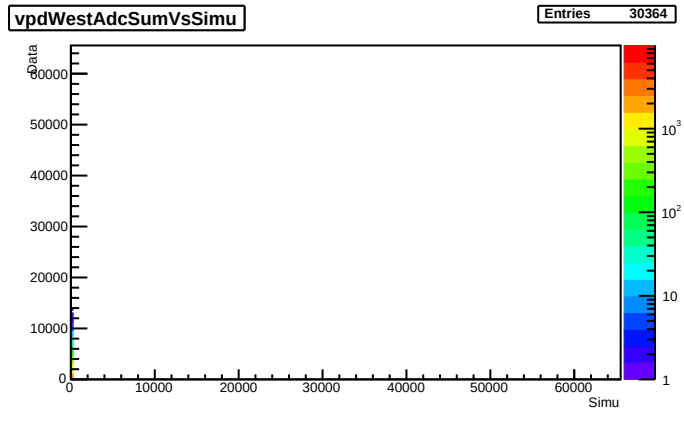

vpdEastAdcSum
Entries 43292

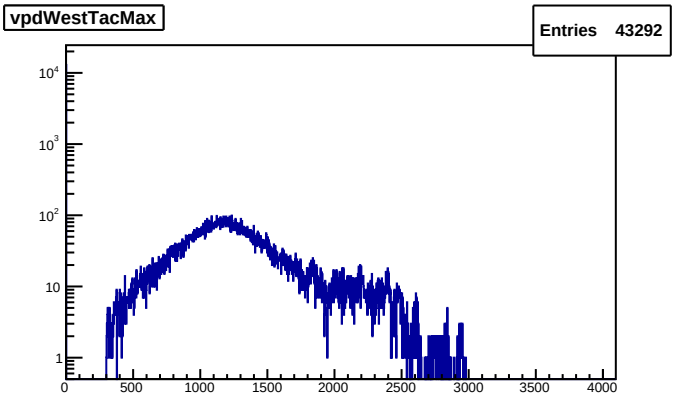

vpdEastAdcSumVsSimu
Entries 30266
Data
Simu

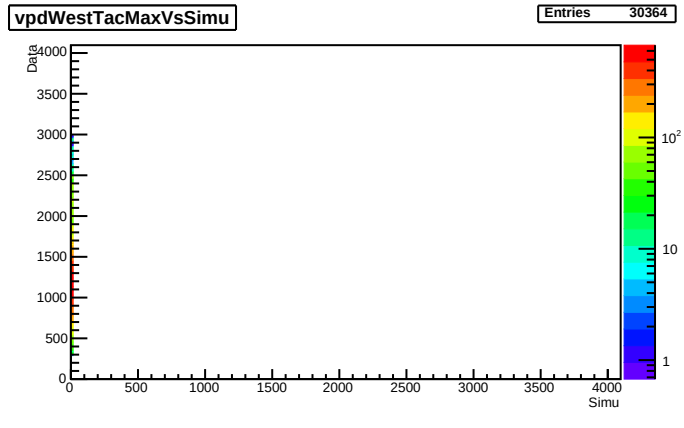

vpdEastTacMax
Entries 43292

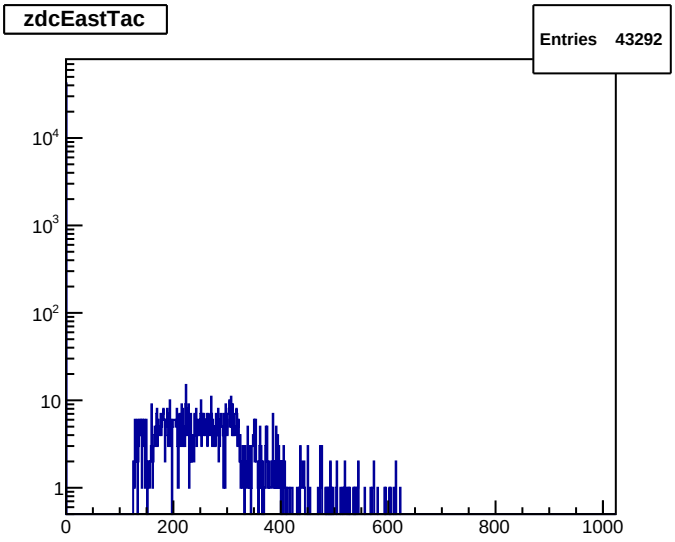

vpdEastTacMaxVsSimu
Entries 30266
Data
Simu

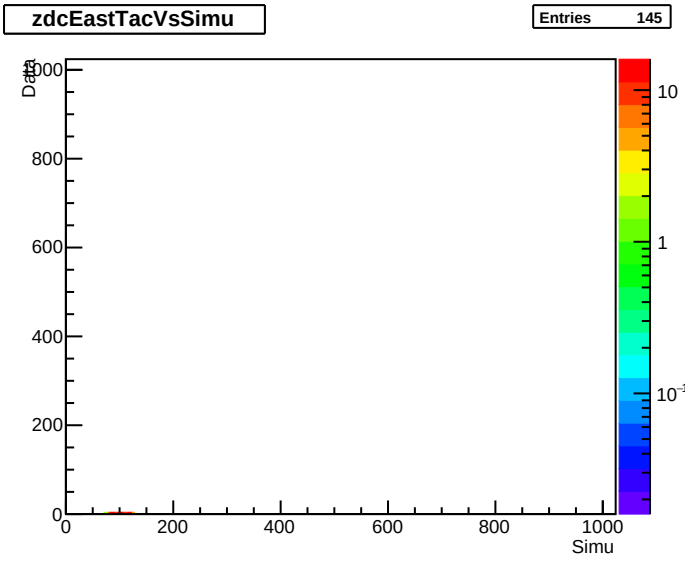

vpdWestAdcSum
Entries 43292

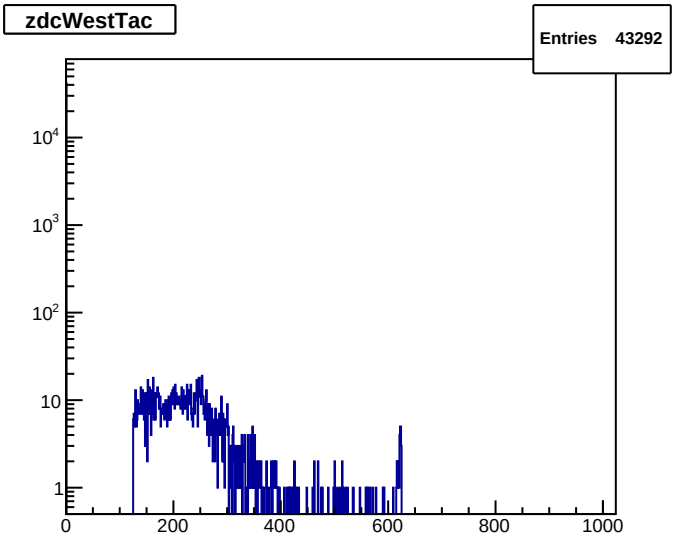

vpdWestAdcSumVsSimu
Entries 30364
Data
Simu

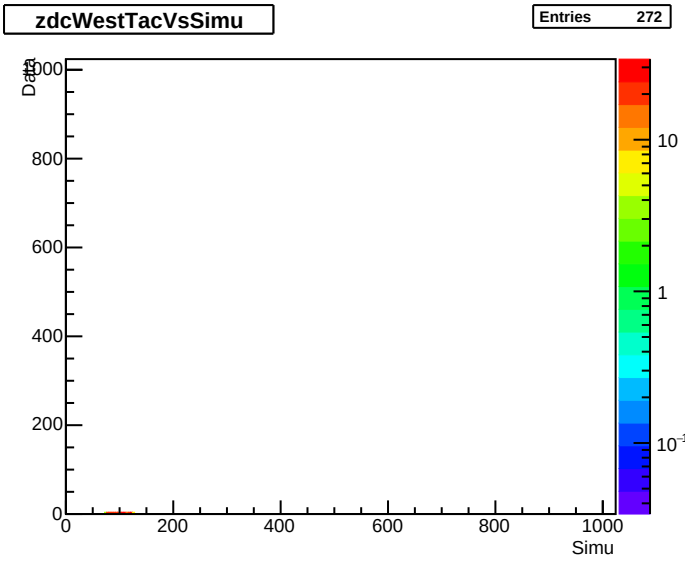

vpdWestTacMax
Entries 43292

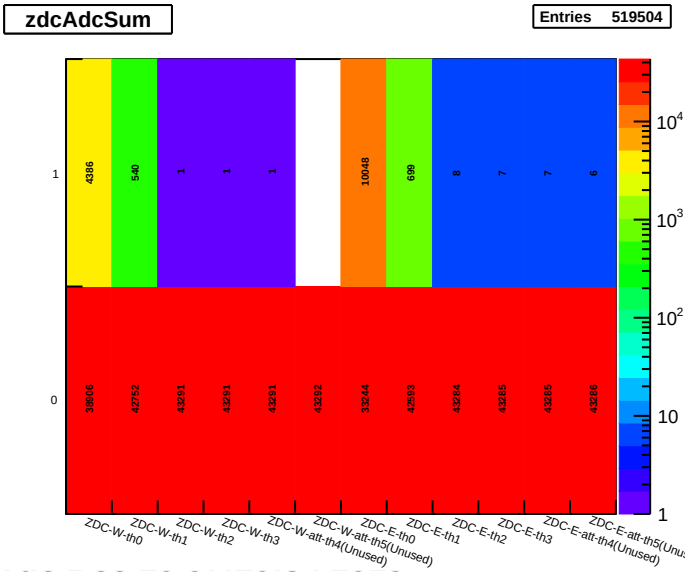

vpdWestTacMaxVsSimu
Entries 30364
Data
Simu

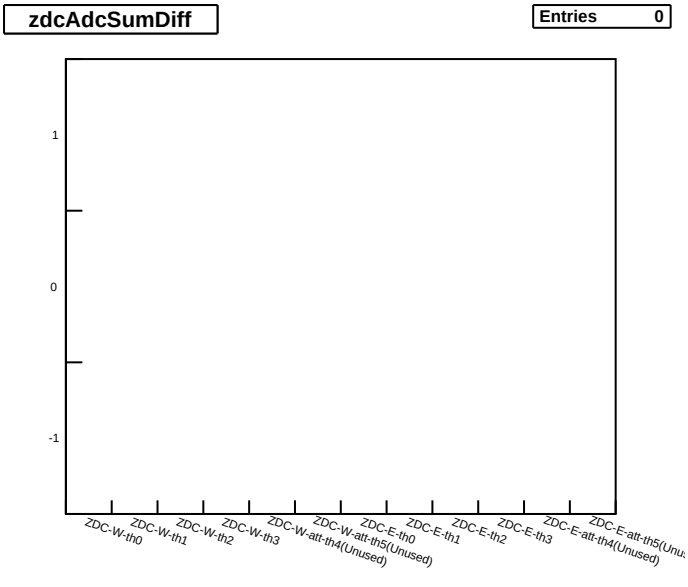

zdcEastTac
Entries 43292

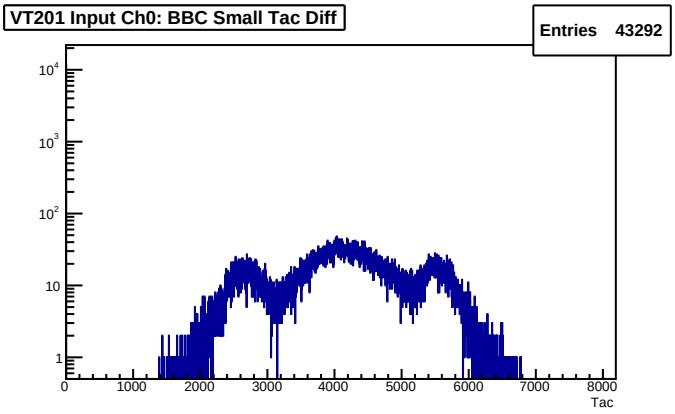

zdcEastTacVsSimu
Entries 145
Data
Simu

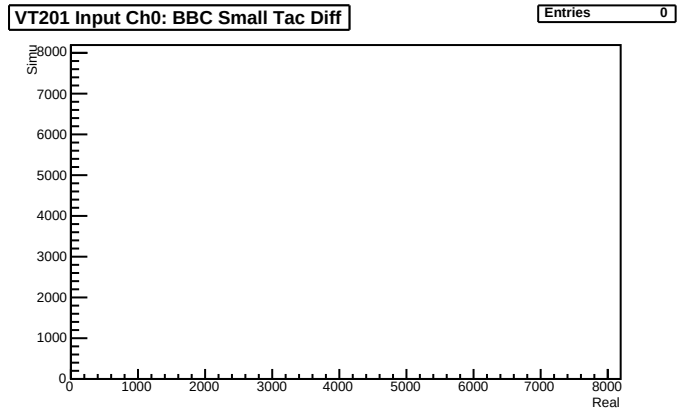

zdcWestTac
Entries 43292

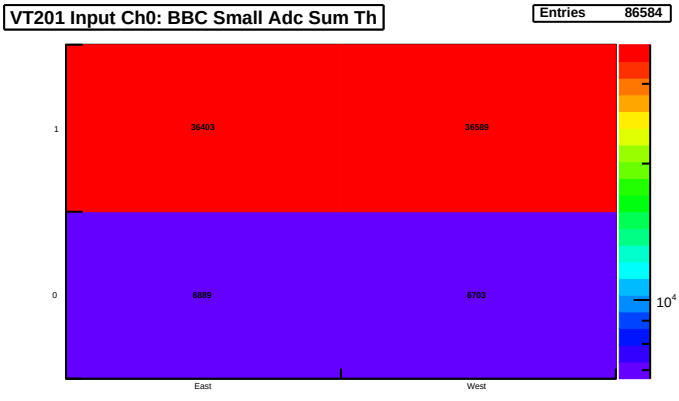

zdcWestTacVsSimu
Entries 272
Data
Simu

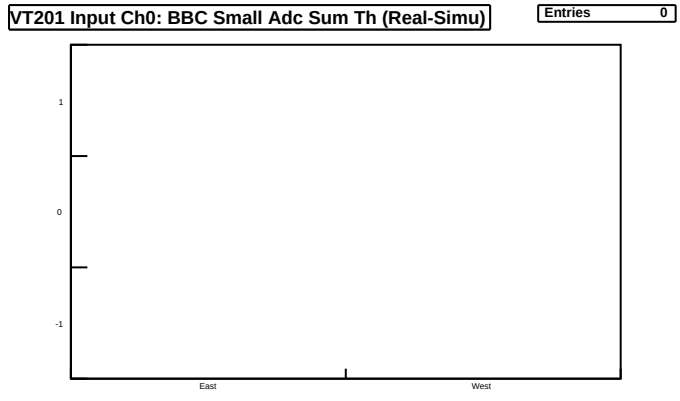

zdcAdcSum
Entries 519504
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

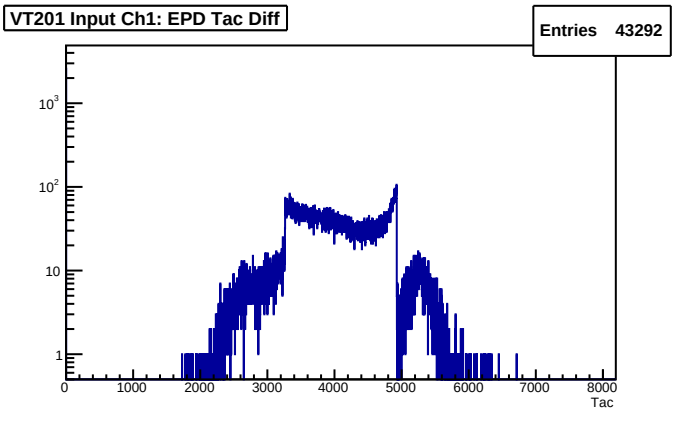

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

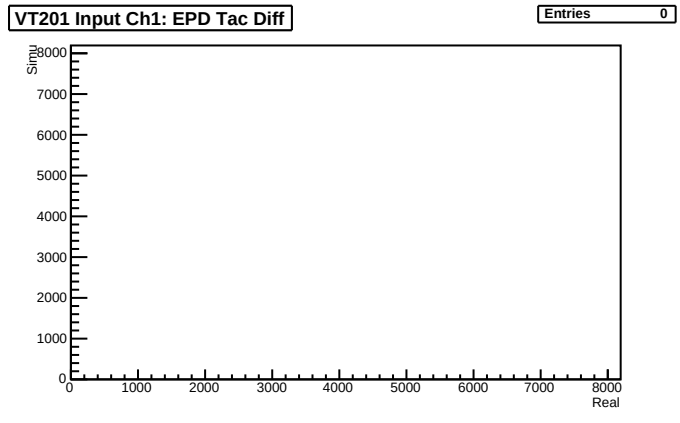

VT201 Input Ch0: BBC Small Tac Diff
Entries 43292
Tac

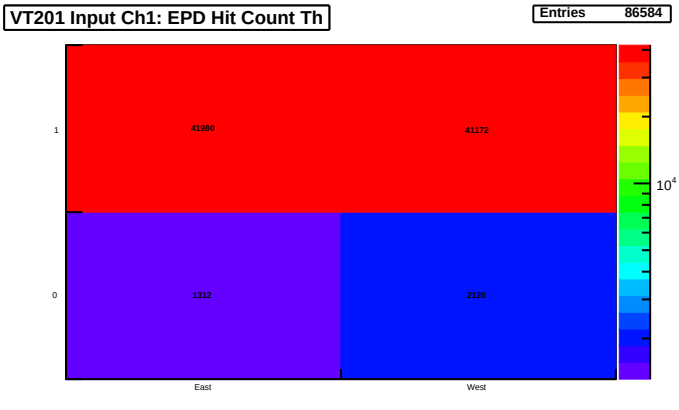

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

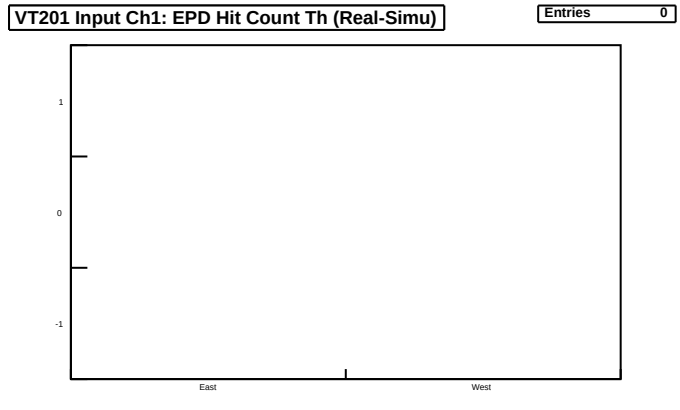

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 86584
36403
36589
6889
6703
East
West

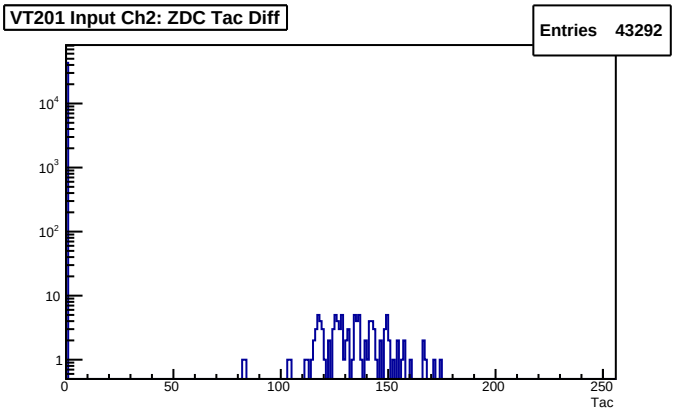

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

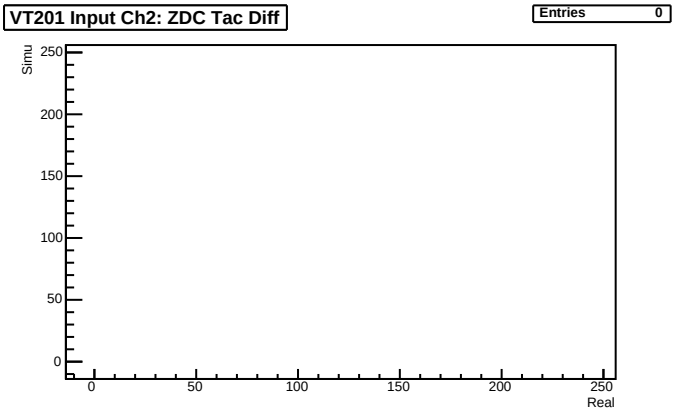

VT201 Input Ch1: EPD Tac Diff
Entries 43292
Tac

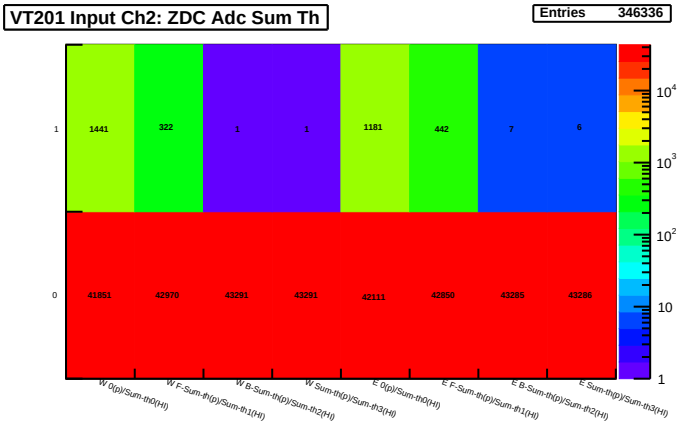

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

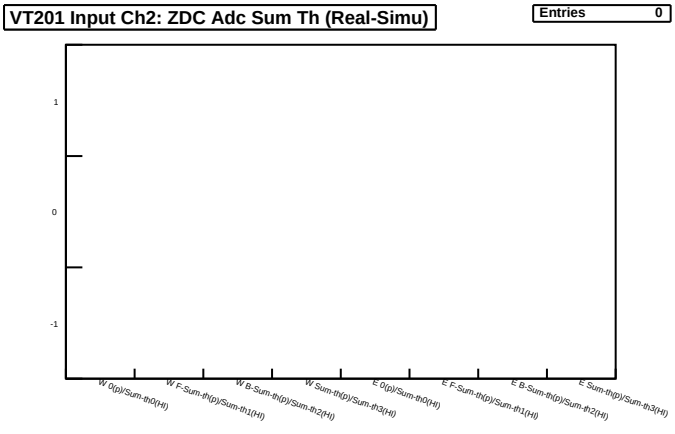

VT201 Input Ch1: EPD Hit Count Th
Entries 86584
41980
41172
1312
2120
East
West

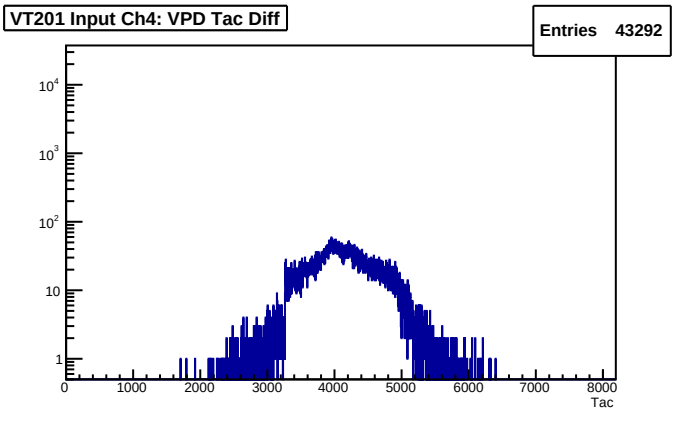

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

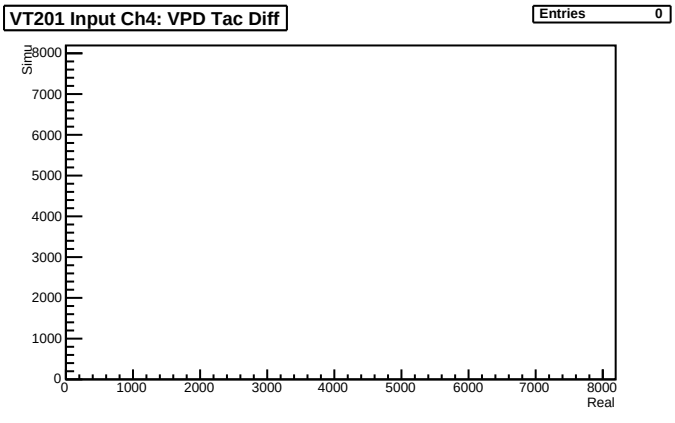

VT201 Input Ch2: ZDC Tac Diff
Entries 43292
Tac

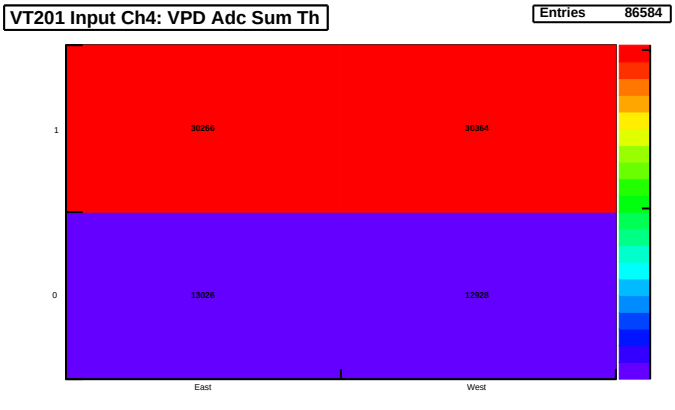

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

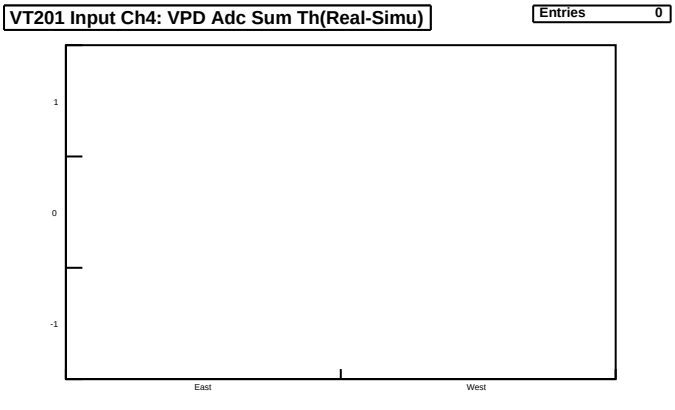

VT201 Input Ch2: ZDC Adc Sum Th
Entries 346336
1441
322
1
1
1181
442
7
6
41851
42970
43291
43291
42111
42850
43285
43286
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

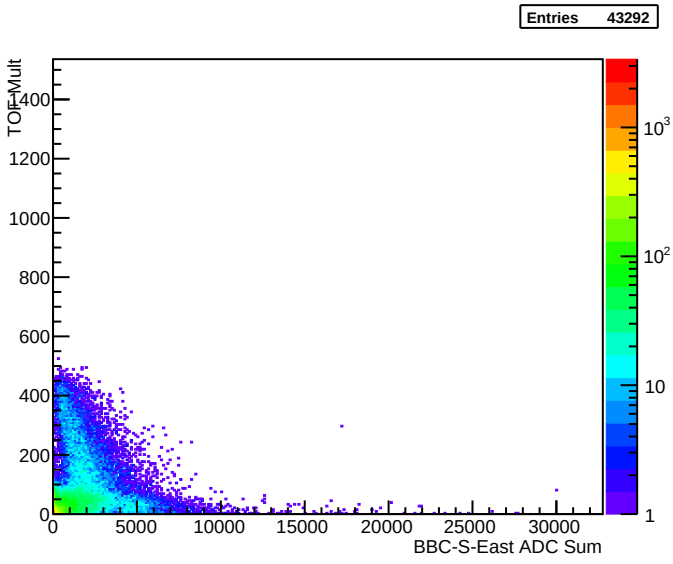

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

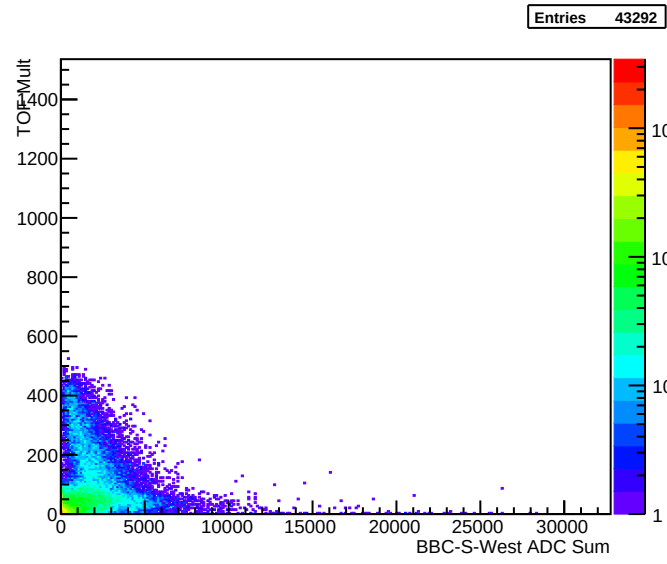

VT201 Input Ch4: VPD Tac Diff
Entries 43292
Tac

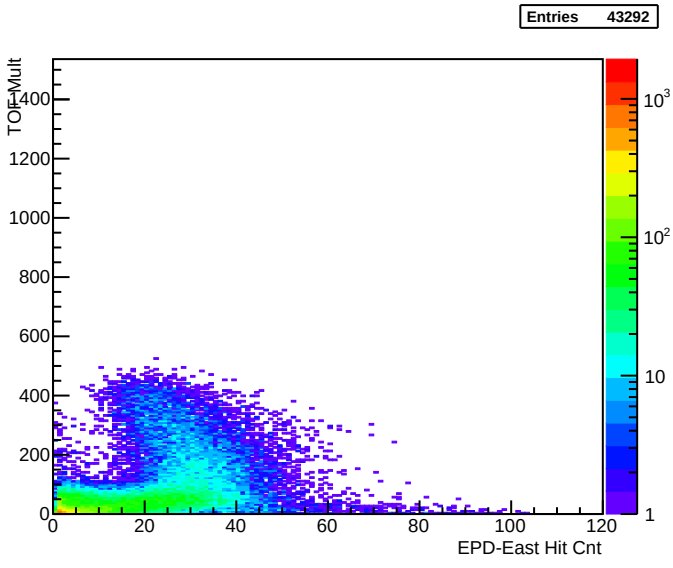

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

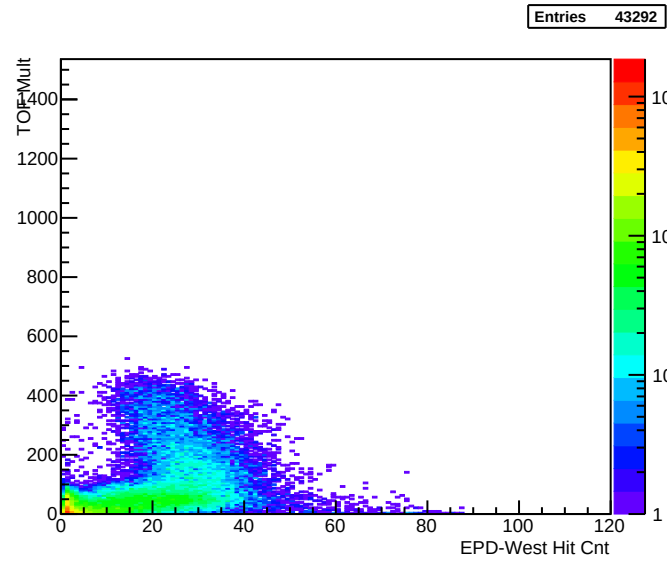

VT201 Input Ch4: VPD Adc Sum Th
Entries 86584
30266
30364
13026
12928
East
West

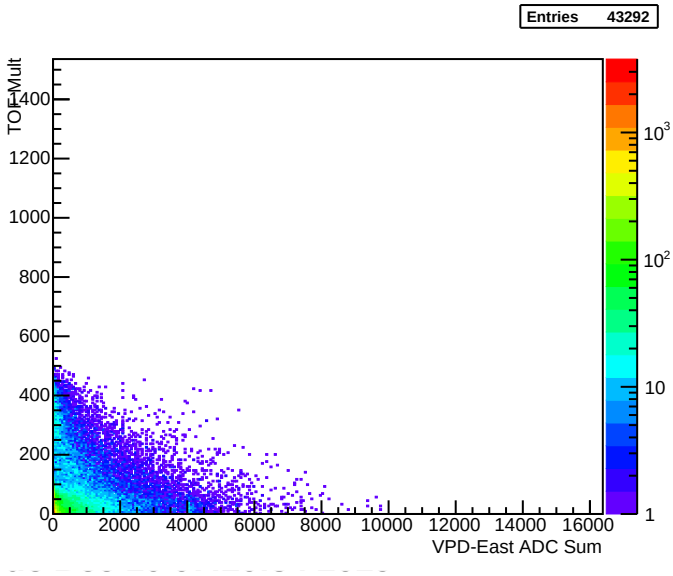

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

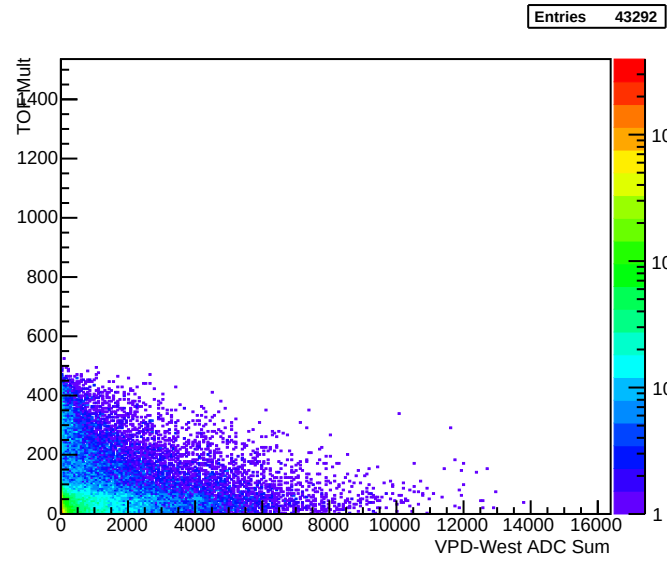

Entries 43292
TOF-Mult
BBC-S-East ADC Sum

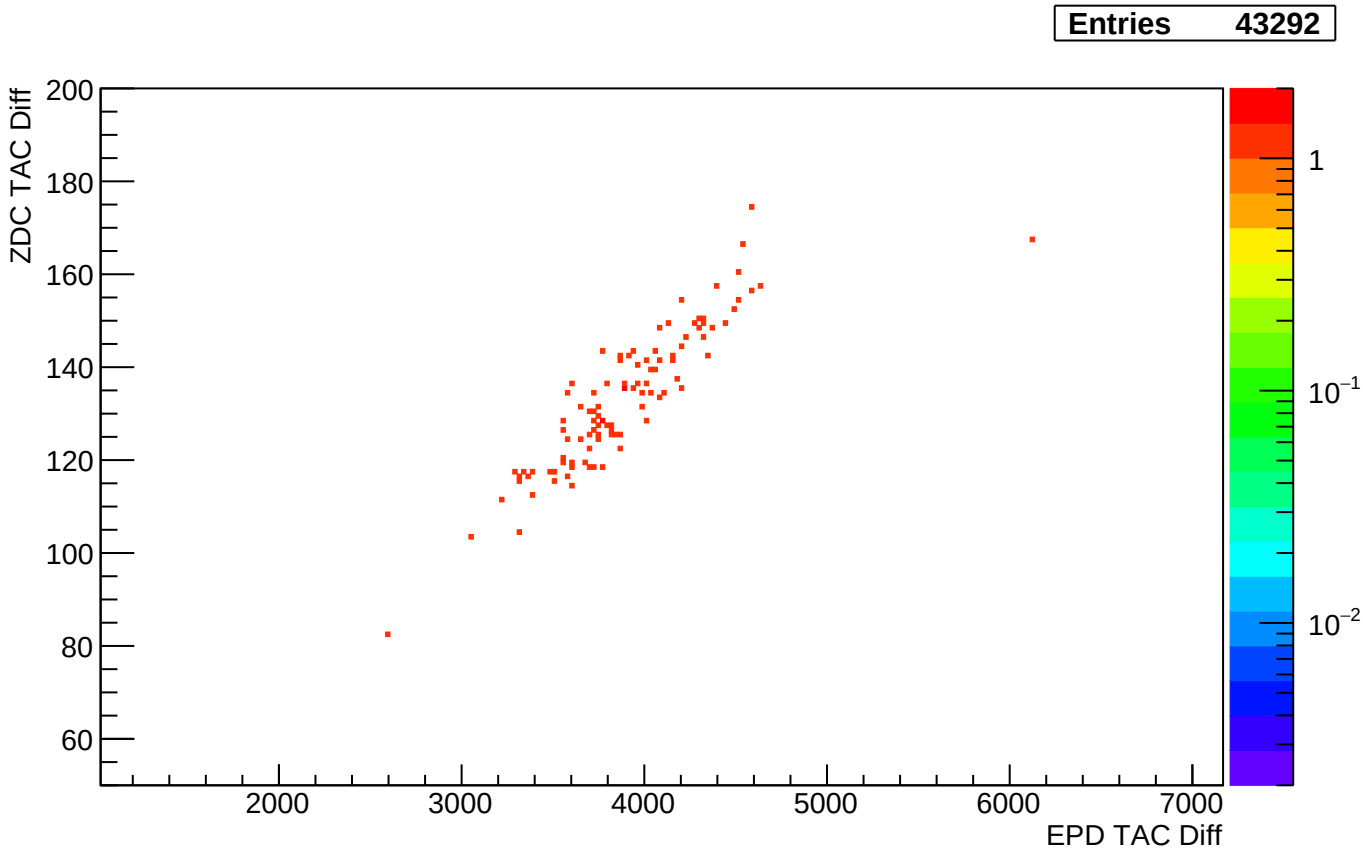

Entries 43292
TOF-Mult
BBC-S-West ADC Sum

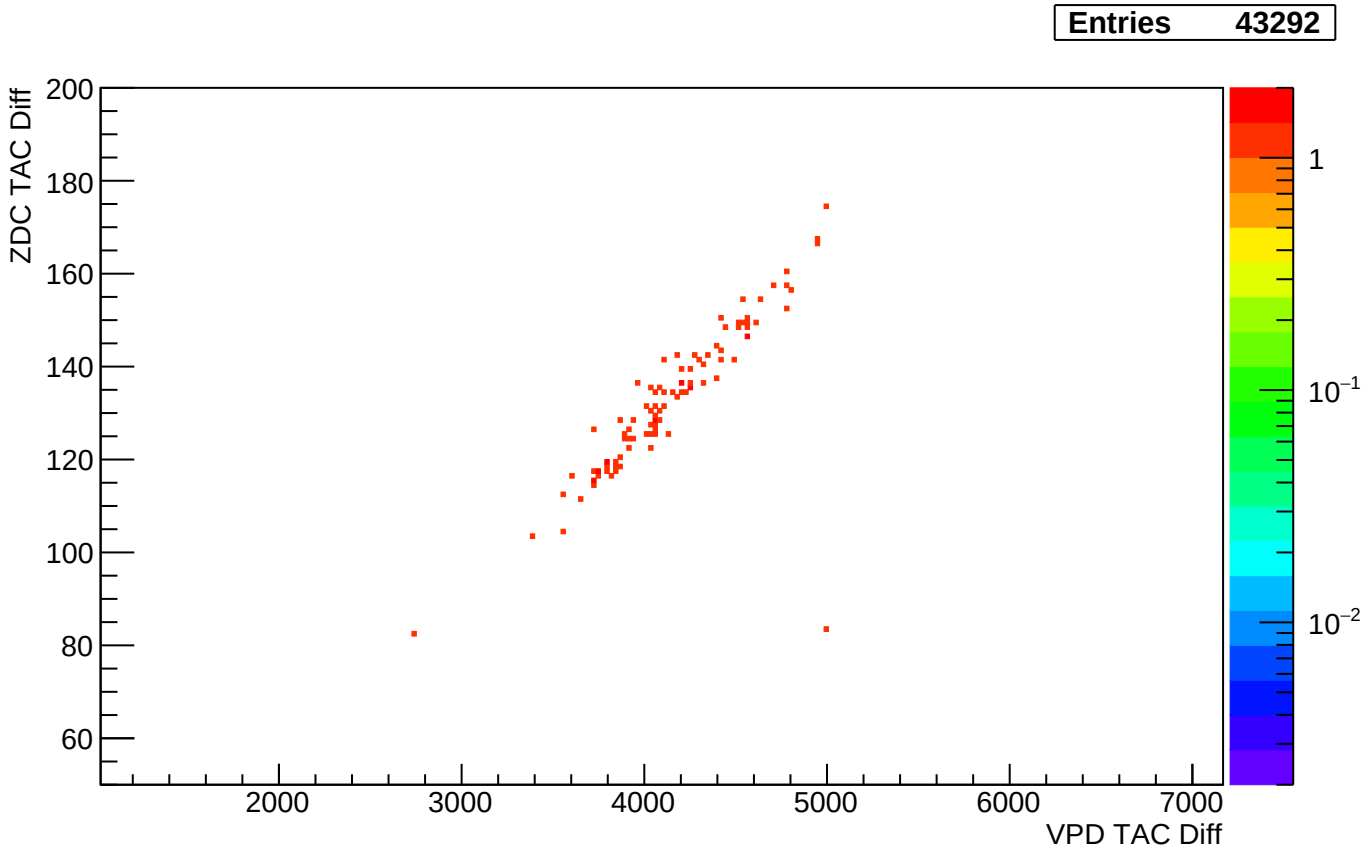

Entries 43292
TOF-Mult
EPD-East Hit Cnt

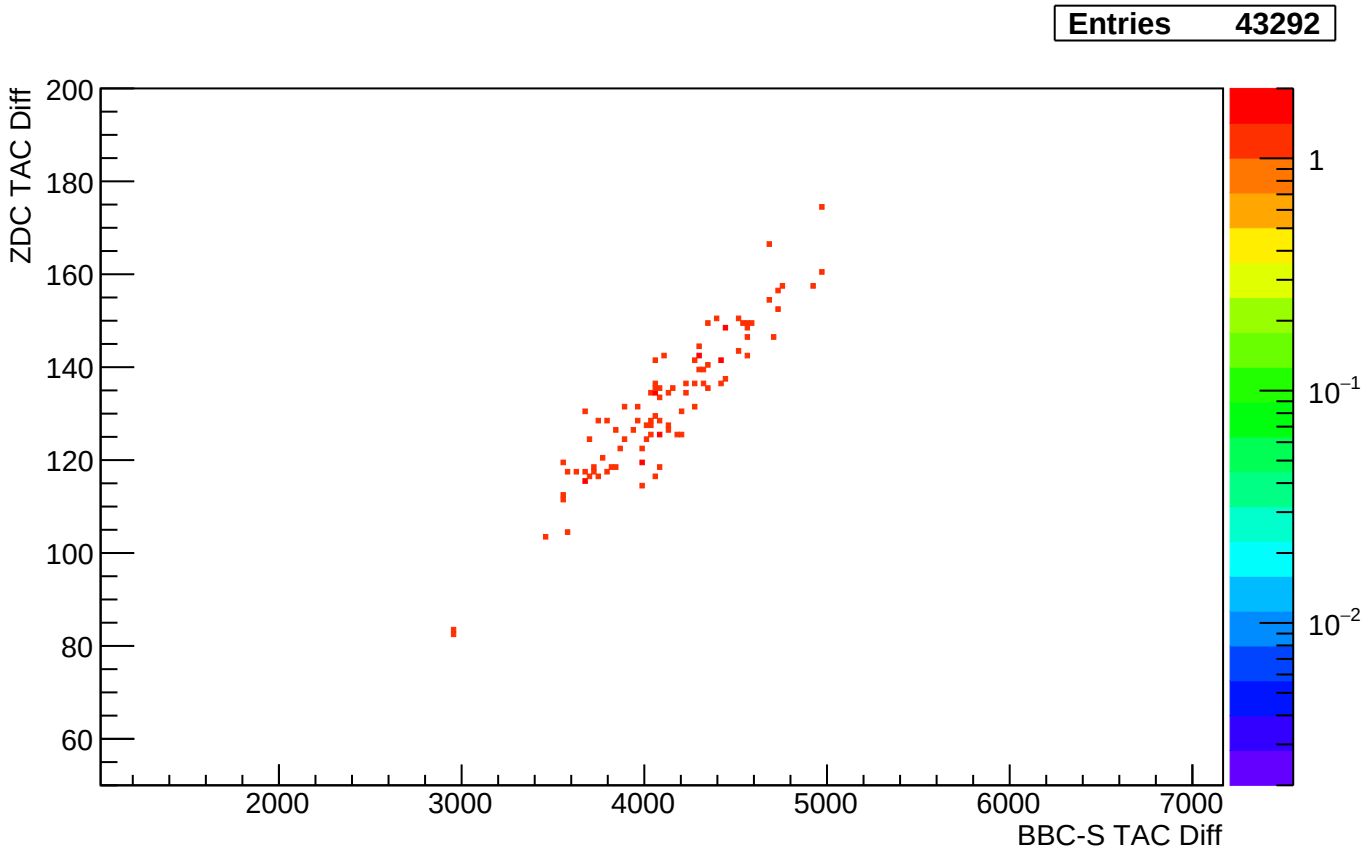

Entries 43292
TOF-Mult
EPD-West Hit Cnt

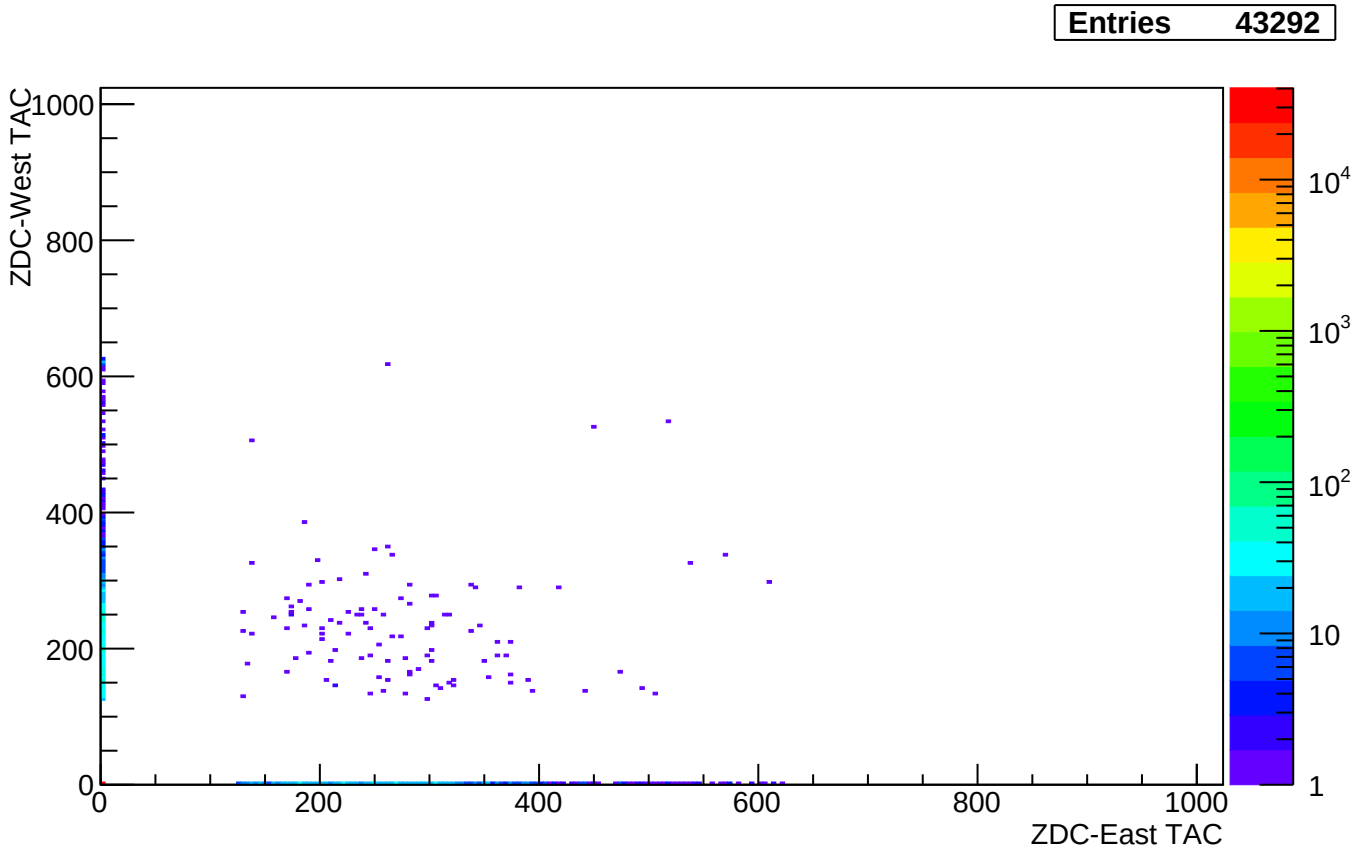

Entries 43292
TOF-Mult
VPD-East ADC Sum

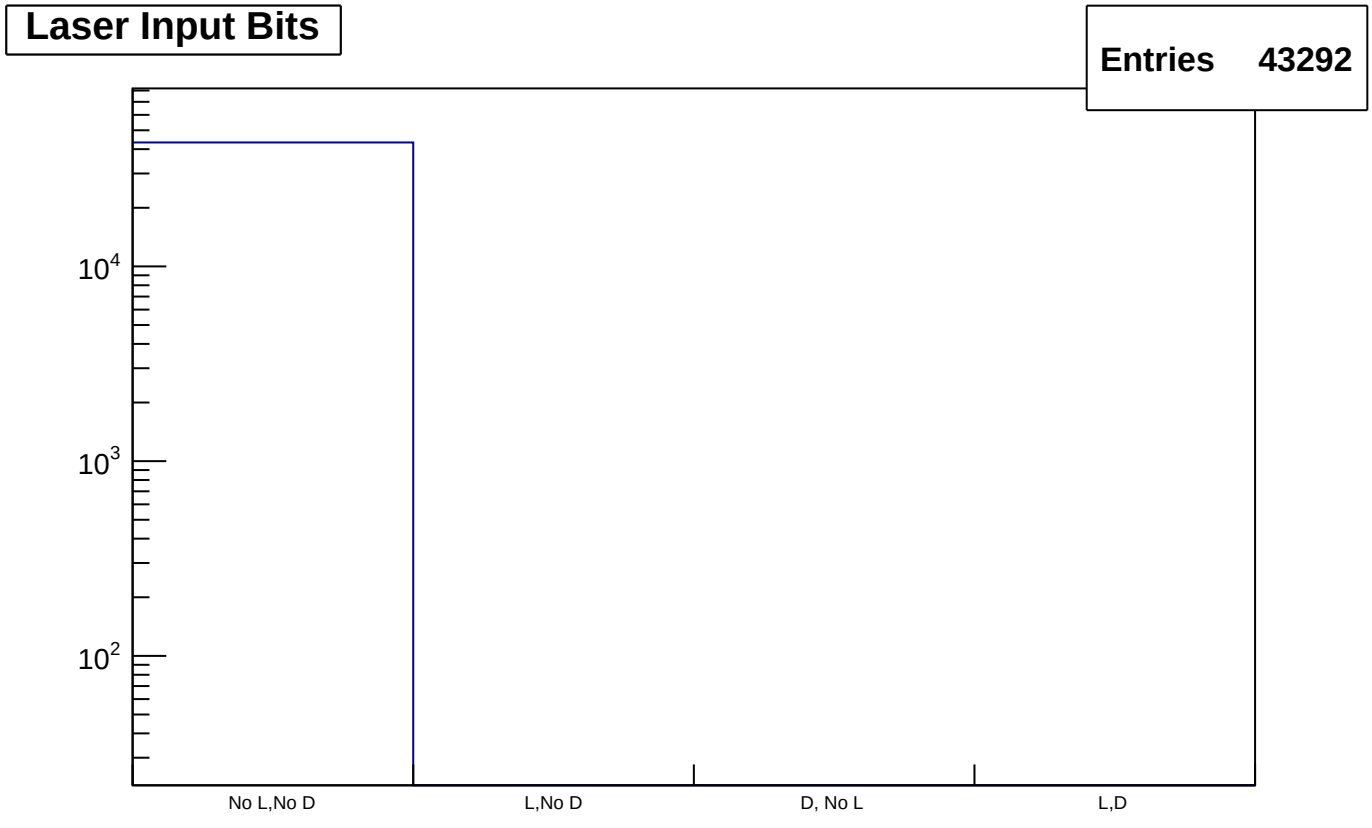

Entries 43292
TOF-Mult
VPD-West ADC Sum

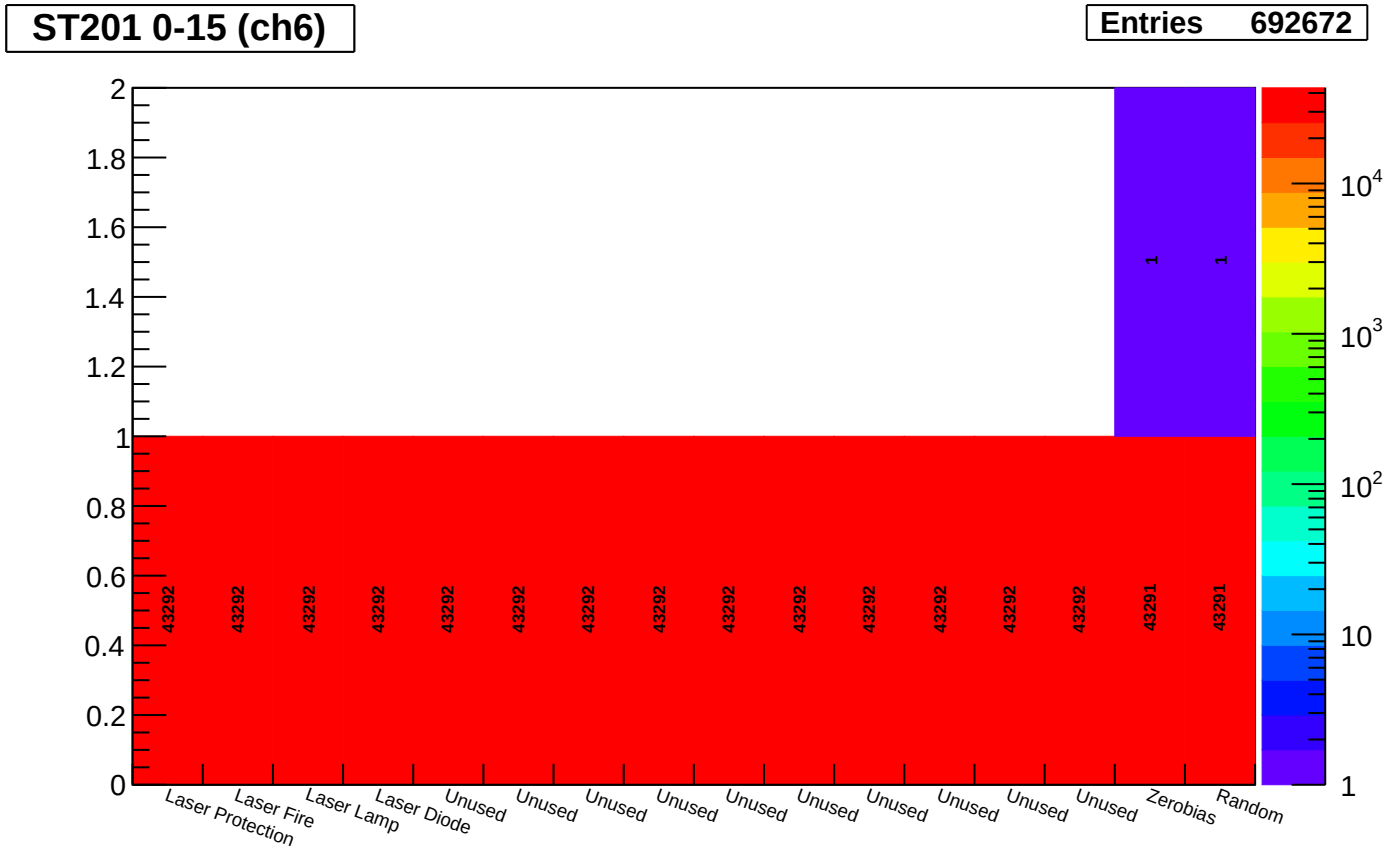

Entries 43292
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

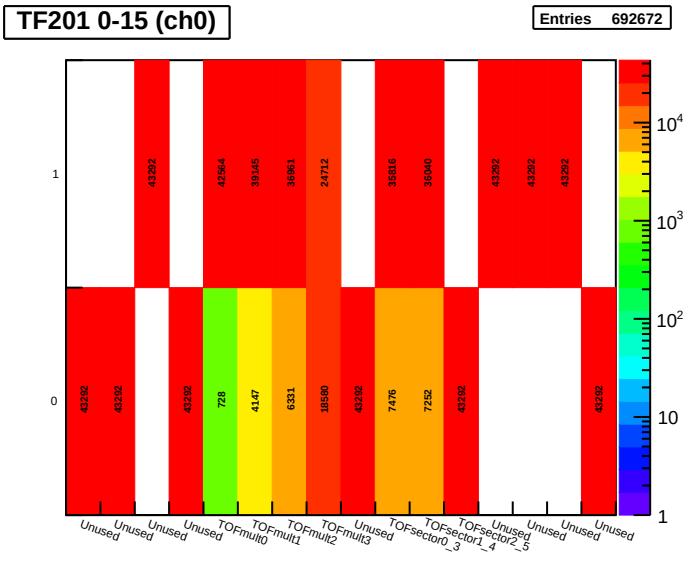

Entries 43292
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

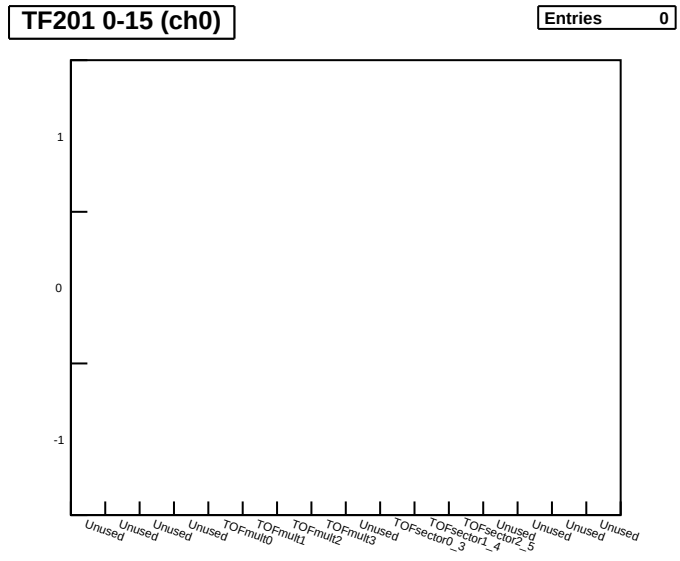

Entries 43292
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

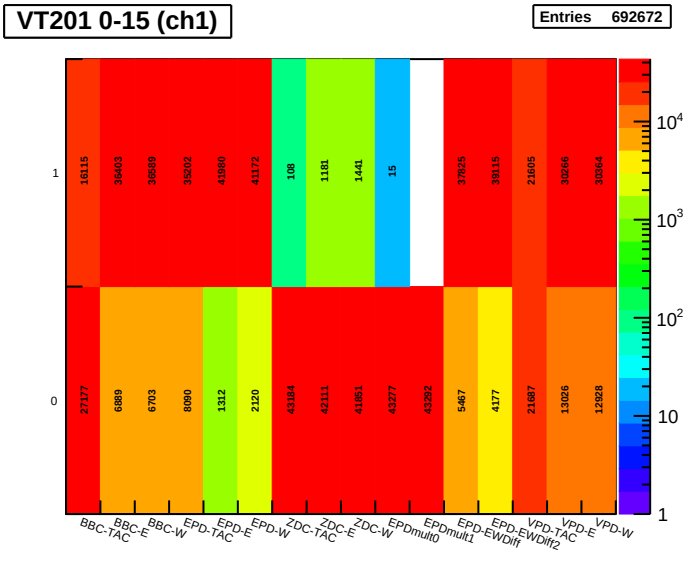

Entries 43292
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

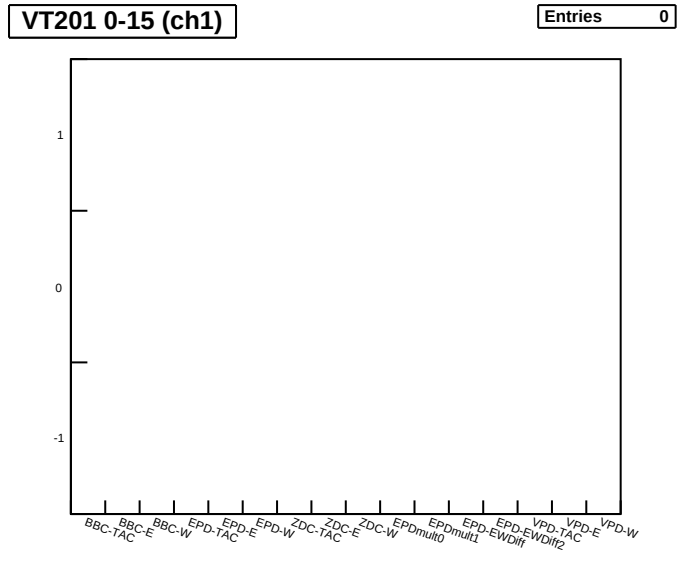

Laser Input Bits
Entries 43292
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

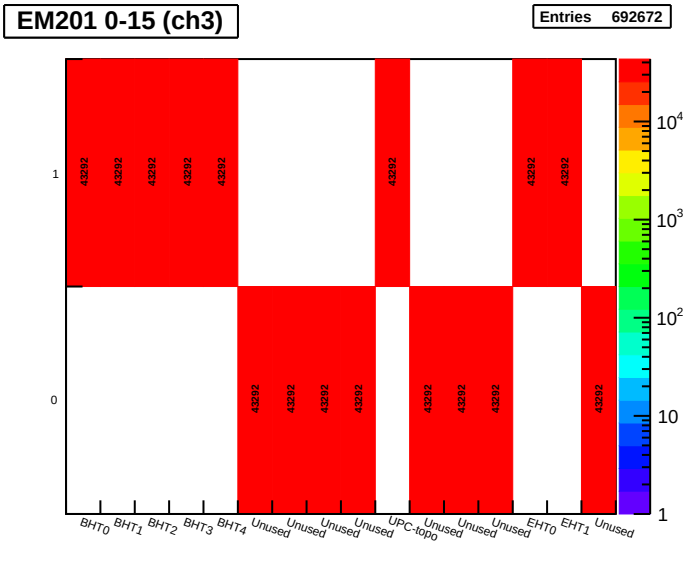

ST201 0-15 (ch6)
Entries 692672
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
43292
43291
1
10^4
10^3
10^2
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

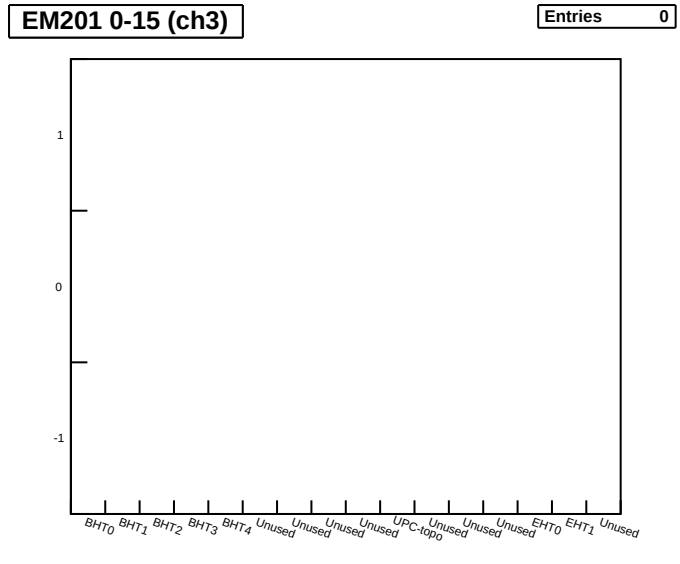

TF201 0-15 (ch0)
Entries 692672
1
0
43292
42564
39145
36961
24712
35816
36040
43292
43292
43292
43292
43292
43292
728
4147
6331
18580
43292
7476
7252
43292
43292
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^4
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


VT201 0-15 (ch1)
Entries 692672
1
0
16115
35403
36589
35202
41980
41172
108
1181
1441
15
37625
39115
21605
30266
30364
27177
6889
6703
8090
1312
2120
43184
42111
41851
43277
43292
5467
4177
21687
13026
12928
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 692672
1
0
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
43292
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