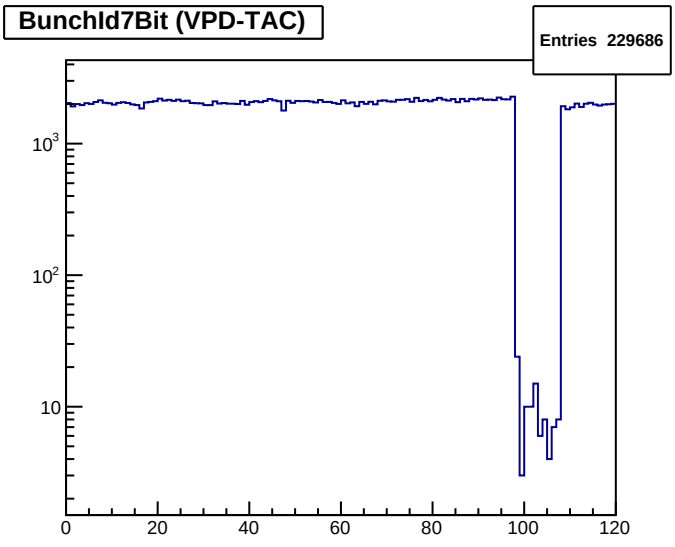
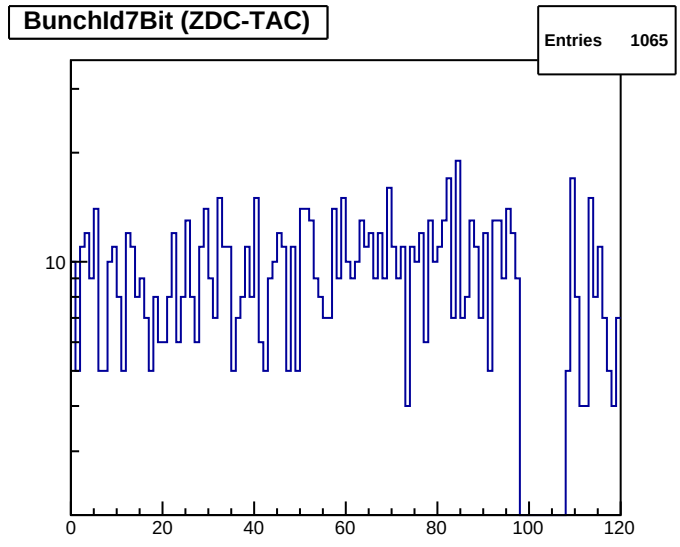
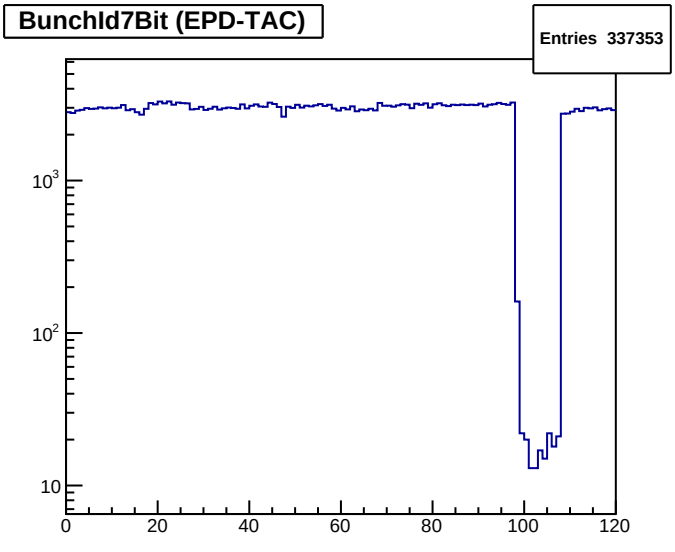
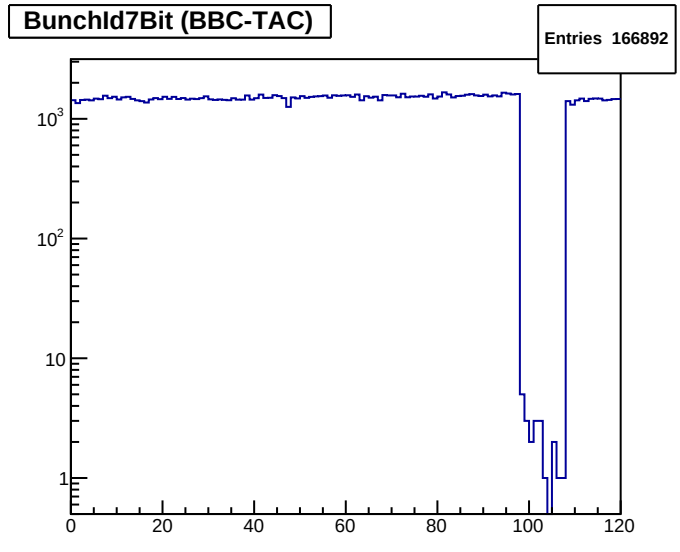
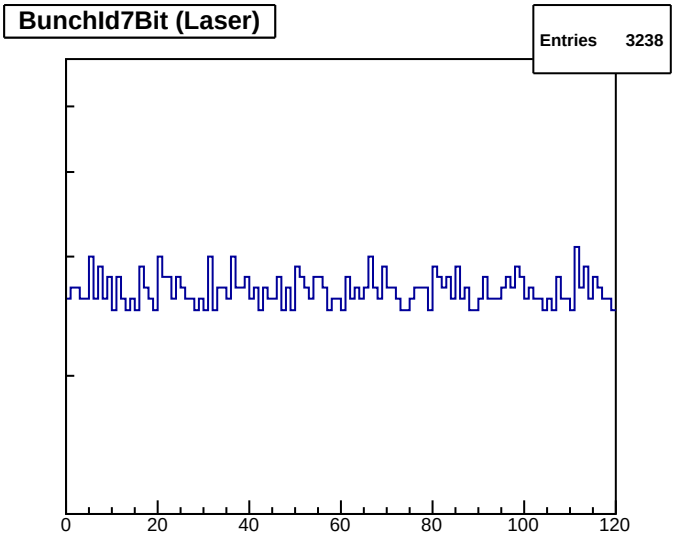
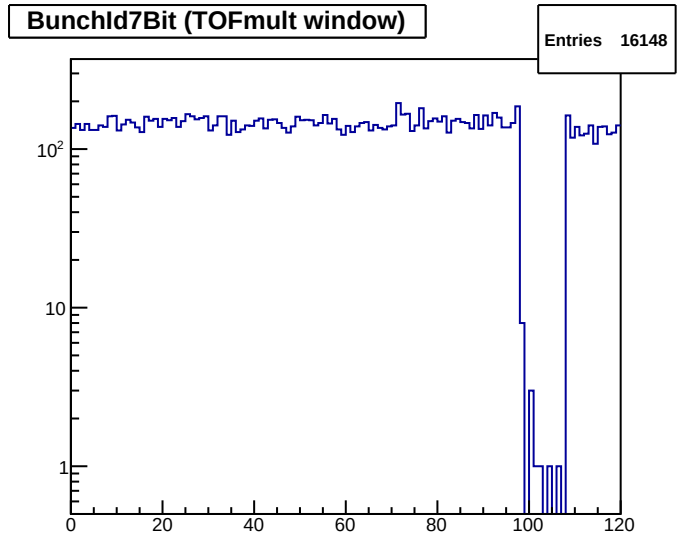

BunchId7Bit (VPD-TAC)
Entries 229686
$10^3$
$10^2$
10
0 20 40 60 80 100 120

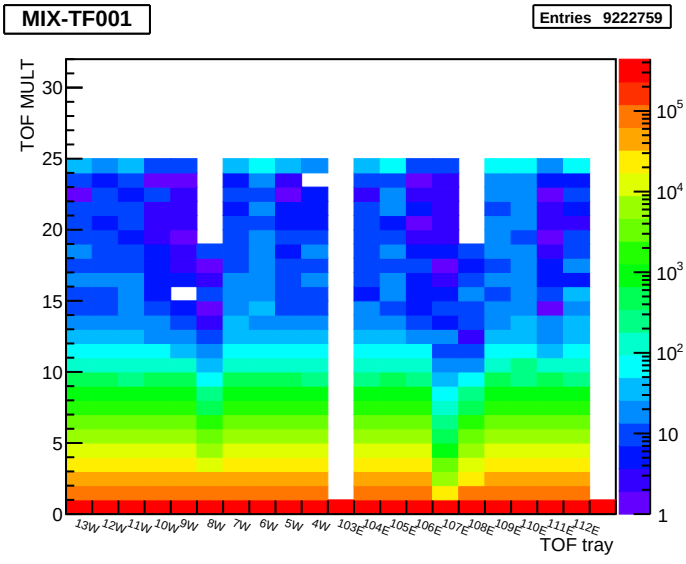

BunchId7Bit (ZDC-TAC)
Entries 1065
10
0 20 40 60 80 100 120

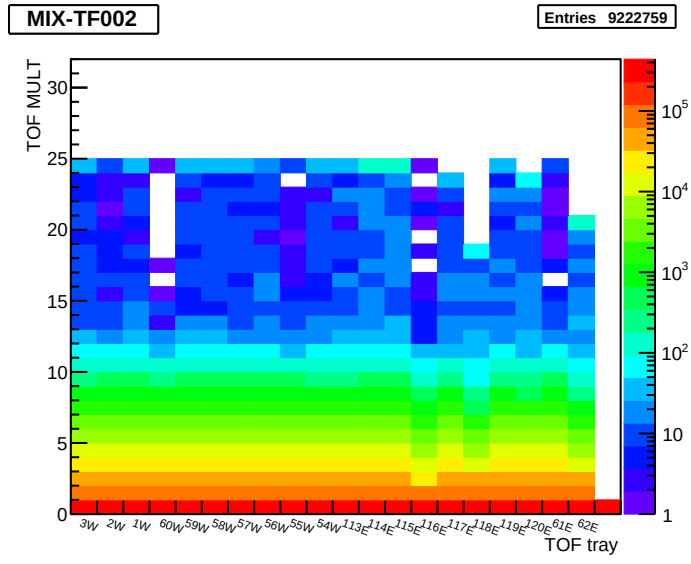

BunchId7Bit (EPD-TAC)
Entries 337353
$10^3$
$10^2$
10
0 20 40 60 80 100 120

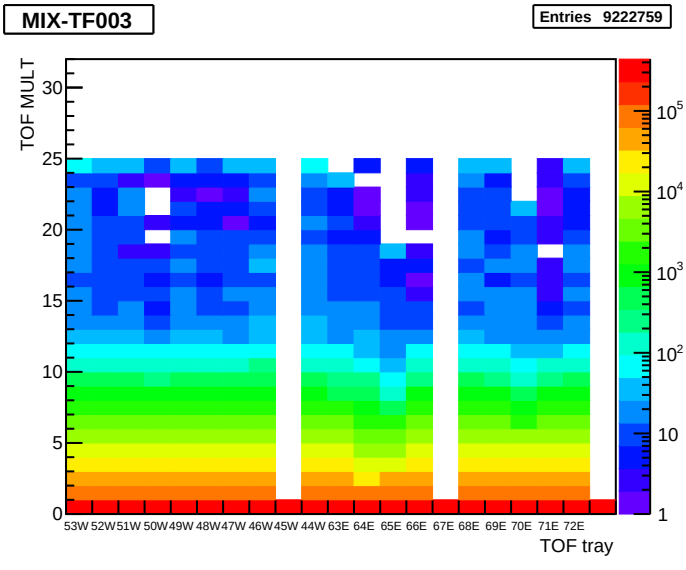

BunchId7Bit (BBC-TAC)
Entries 166892
$10^3$
$10^2$
10
1
0 20 40 60 80 100 120

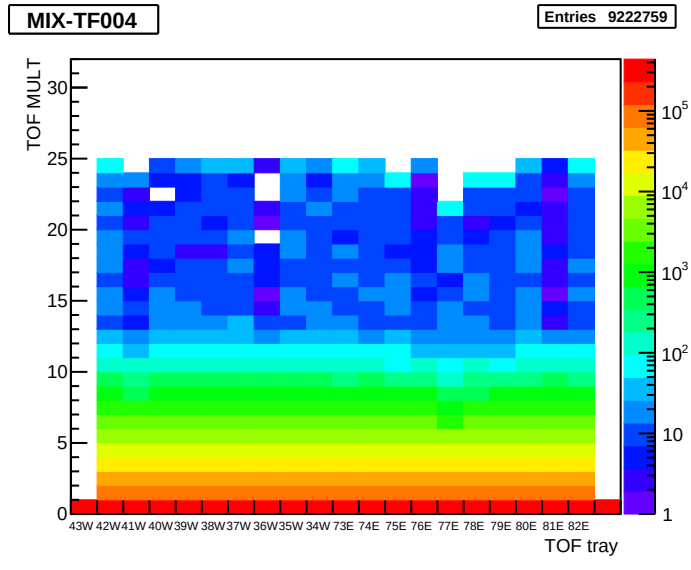

BunchId7Bit (Laser)
Entries 3238
0 20 40 60 80 100 120

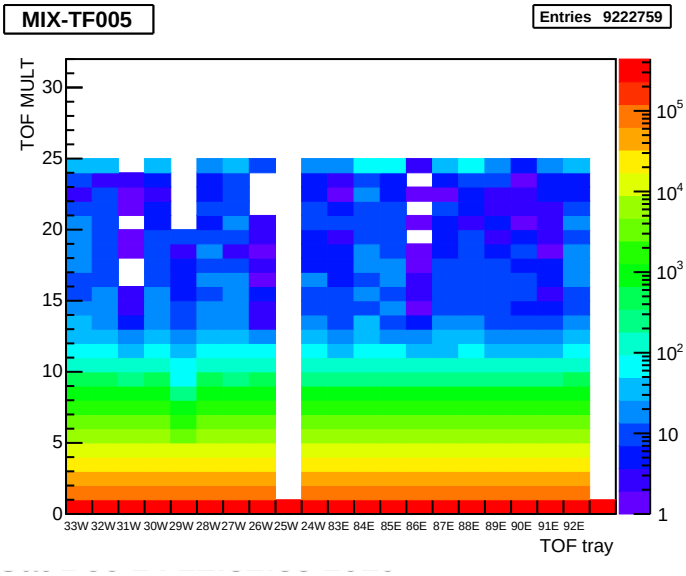

BunchId7Bit (TOFmult window)
Entries 16148
$10^2$
10
1
0 20 40 60 80 100 120

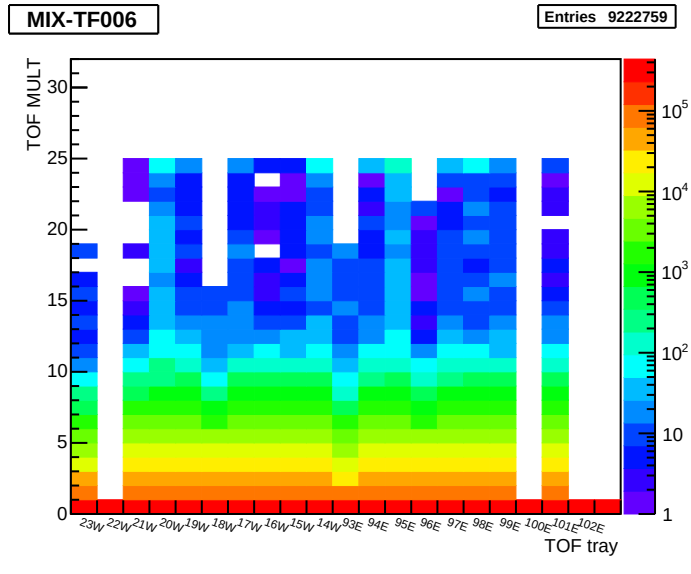

MIX-TF001
Entries 9222759
TOF MULT
TOF tray

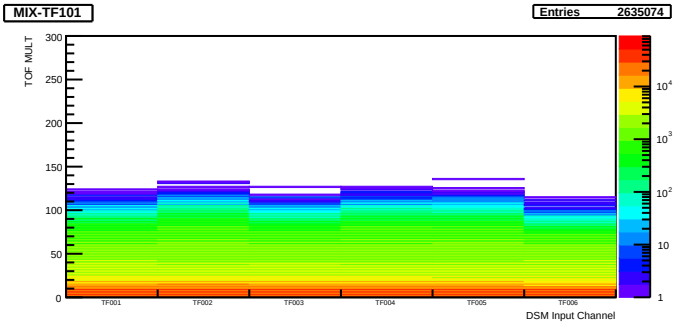

MIX-TF002
Entries 9222759
TOF MULT
TOF tray

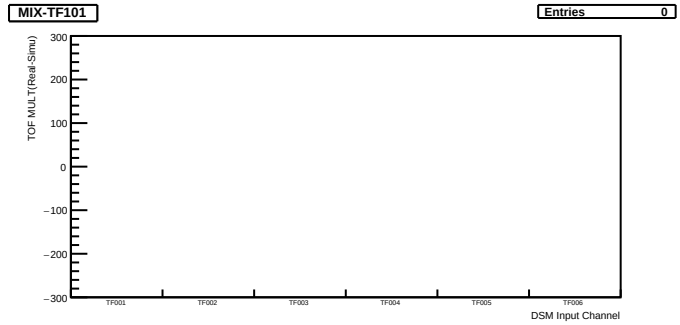

MIX-TF003
Entries 9222759
TOF MULT
TOF tray

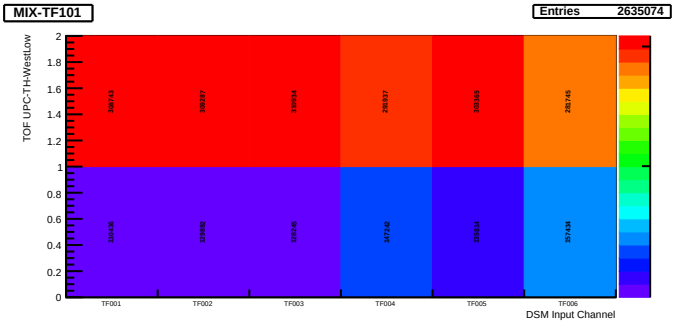

MIX-TF004
Entries 9222759
TOF MULT
TOF tray

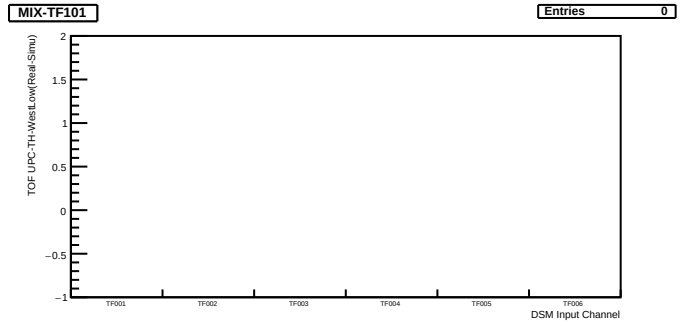

MIX-TF005
Entries 9222759
TOF MULT
TOF tray

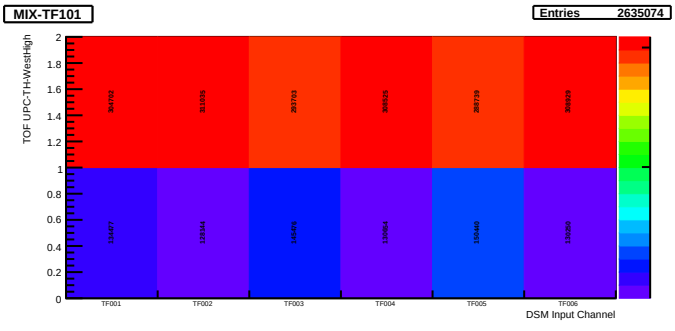

MIX-TF006
Entries 9222759
TOF MULT
TOF tray

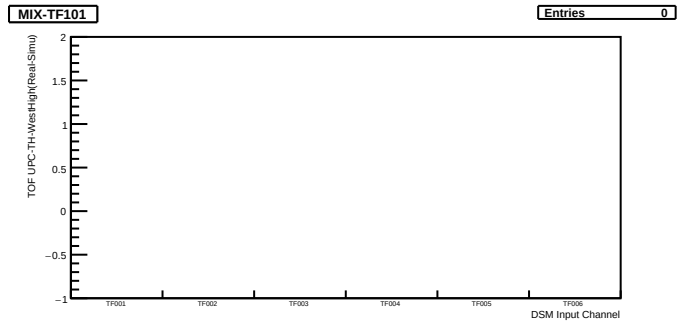

MIX-TF101
Entries 2635074
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

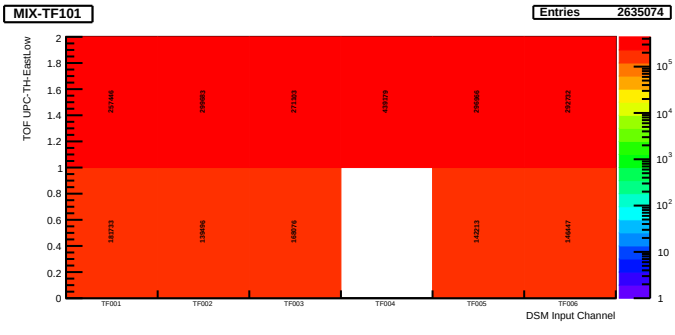

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

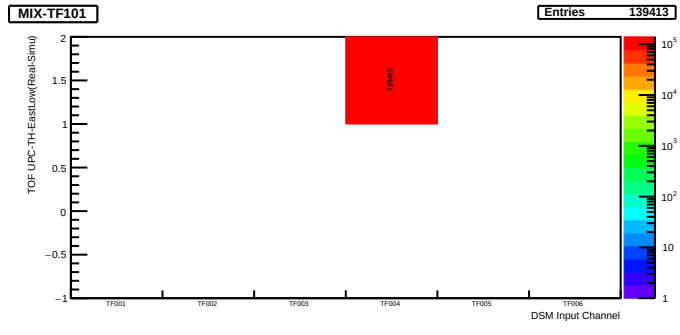

MIX-TF101
Entries 2635074
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

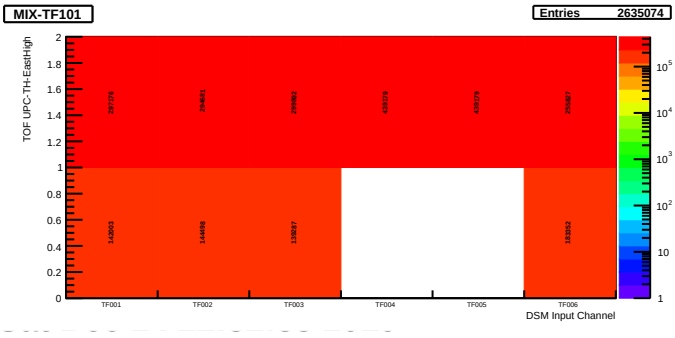

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

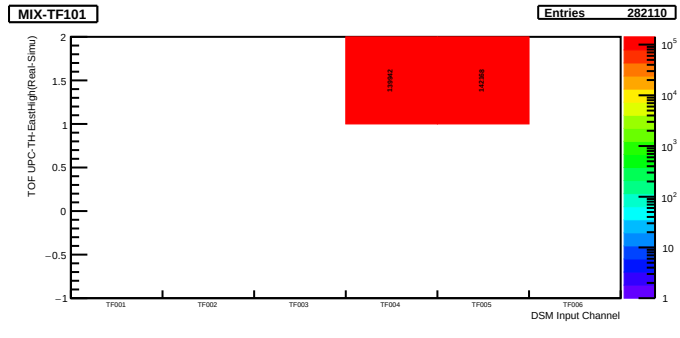

MIX-TF101
Entries 2635074
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

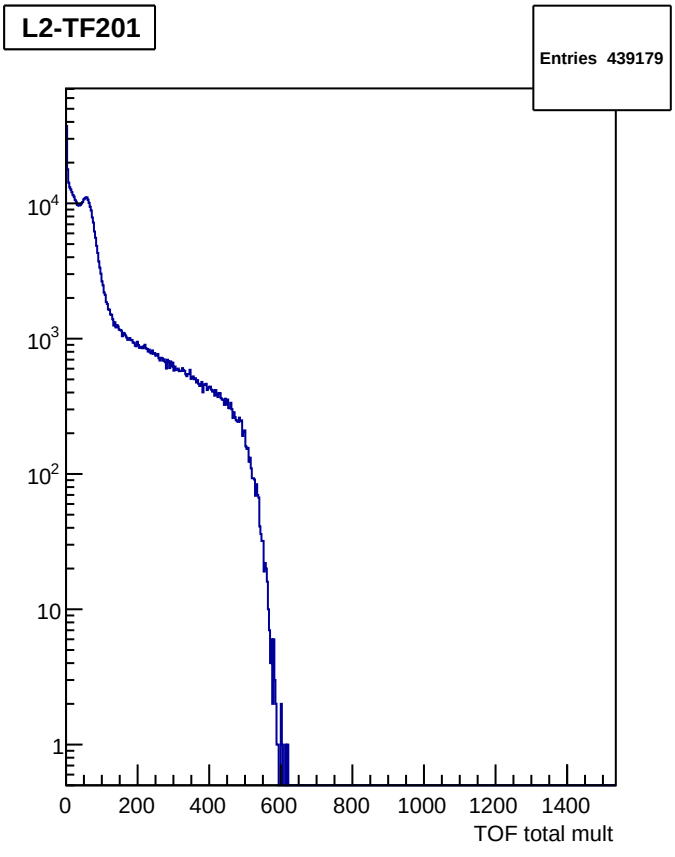

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

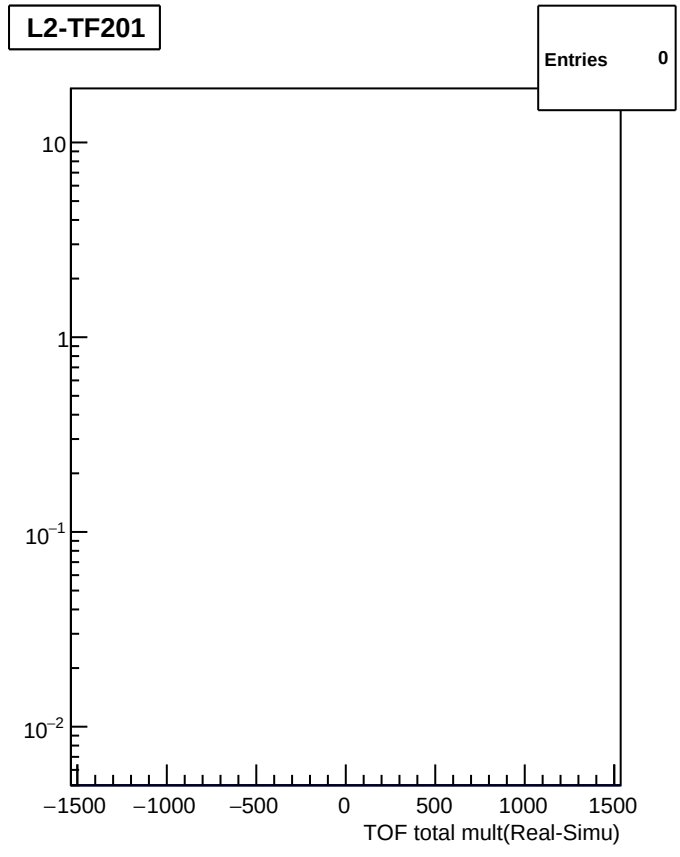

MIX-TF101
Entries 2635074
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

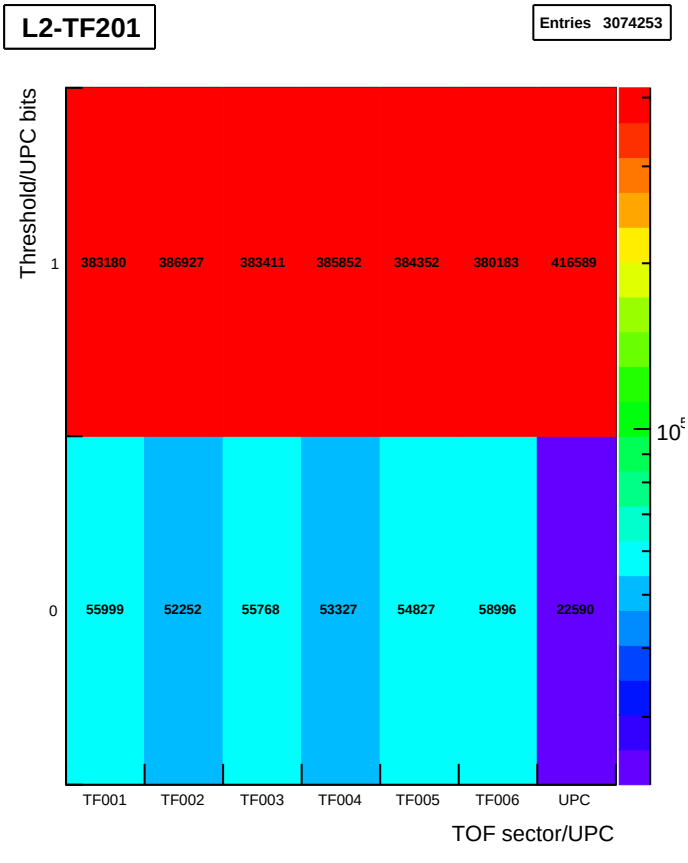

MIX-TF101
Entries 139413
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

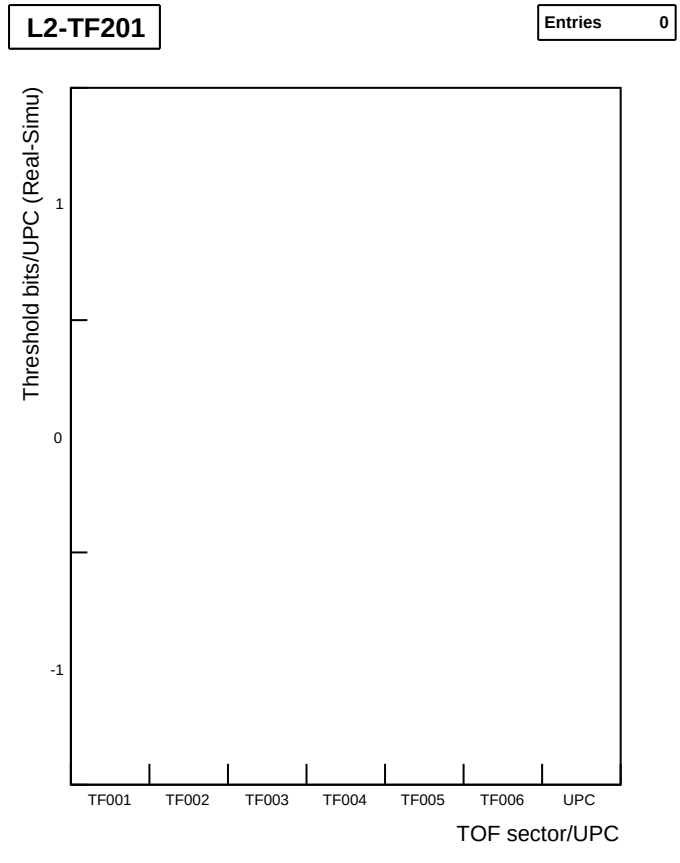

MIX-TF101
Entries 2635074
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

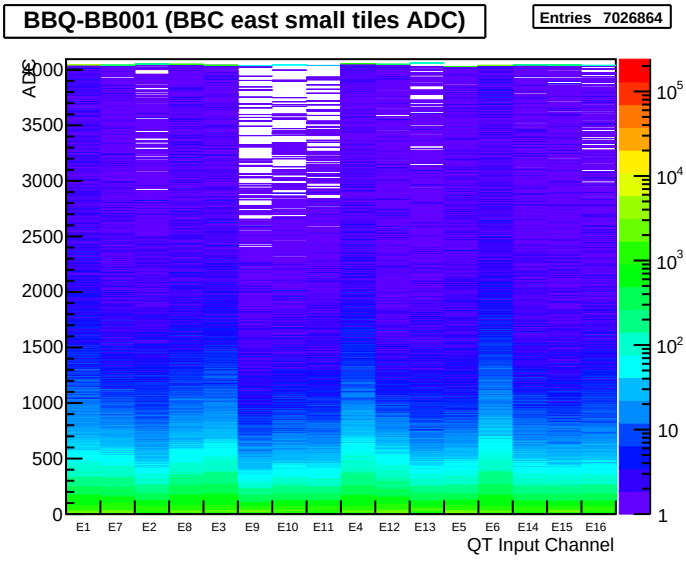

MIX-TF101
Entries 282110
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

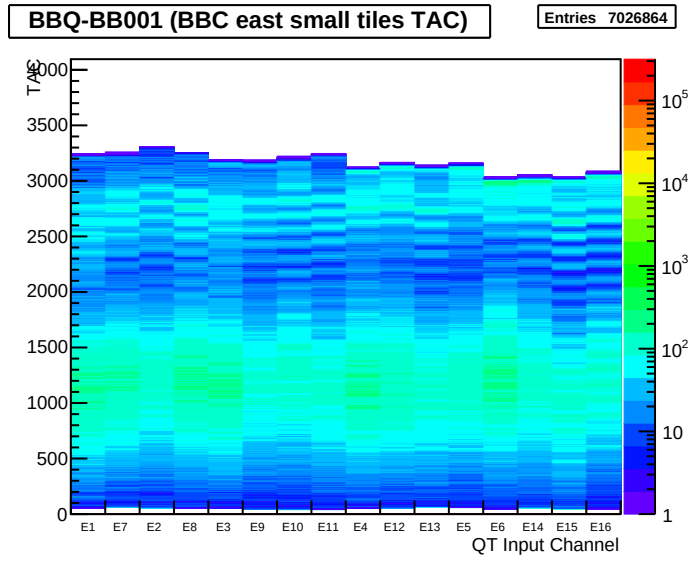

L2-TF201
Entries 439179
TOF total mult

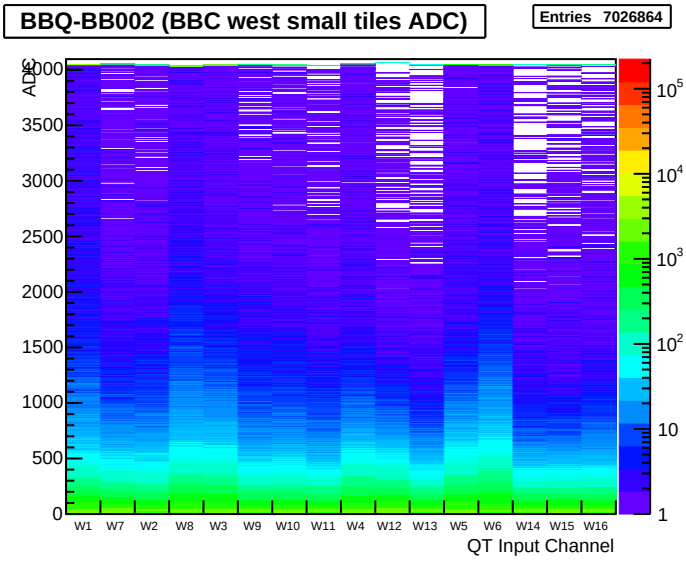

L2-TF201
Entries 0
TOF total mult(Real-Simu)

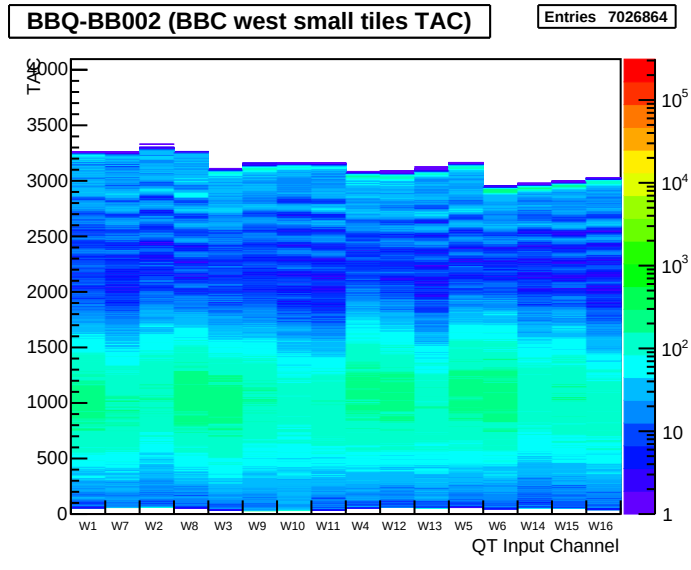

L2-TF201
Entries 3074253
Threshold/UPC bits
383180
386927
383411
385852
384352
380183
416589
55999
52252
55768
53327
54827
58996
22590
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

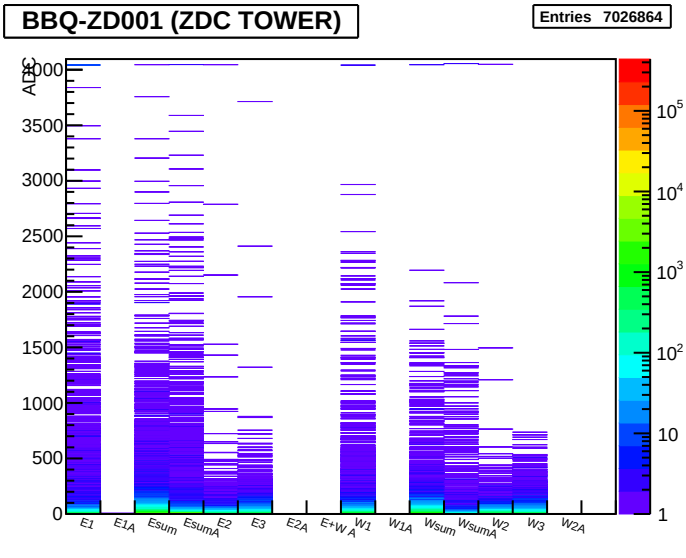

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

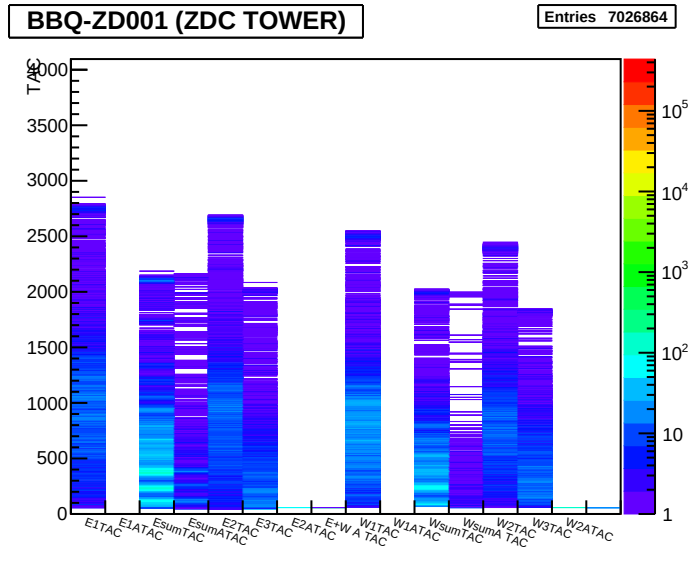

BBQ-BB001 (BBC east small tiles ADC)
Entries 7026864
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

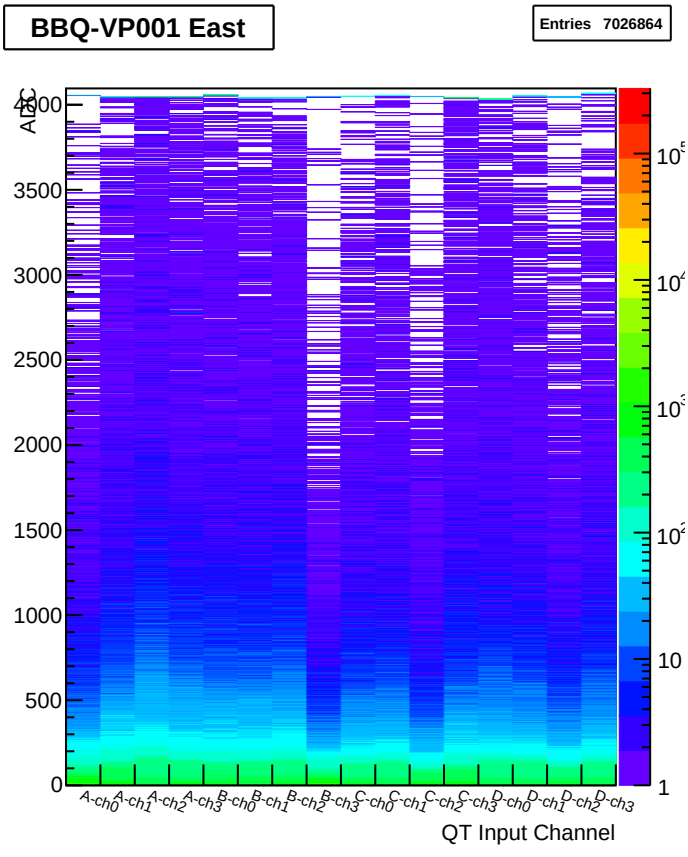

BBQ-BB001 (BBC east small tiles TAC)
Entries 7026864
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

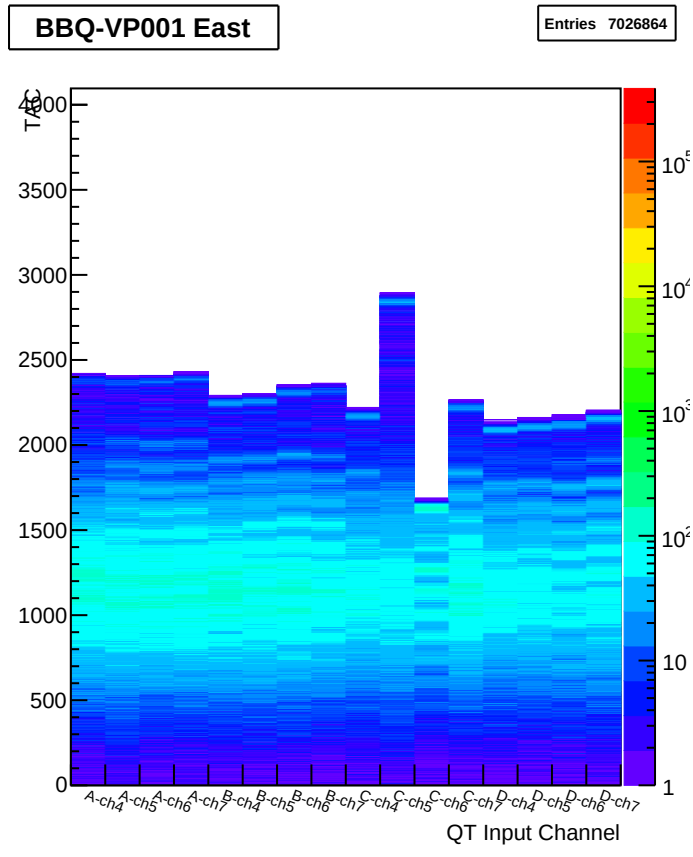

BBQ-BB002 (BBC west small tiles ADC)
Entries 7026864
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

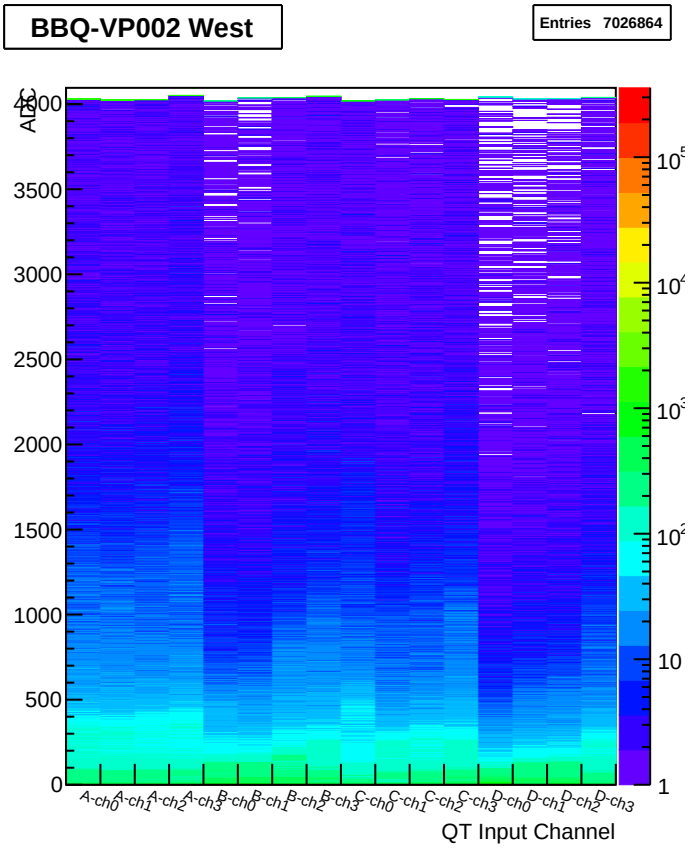

BBQ-BB002 (BBC west small tiles TAC)
Entries 7026864
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

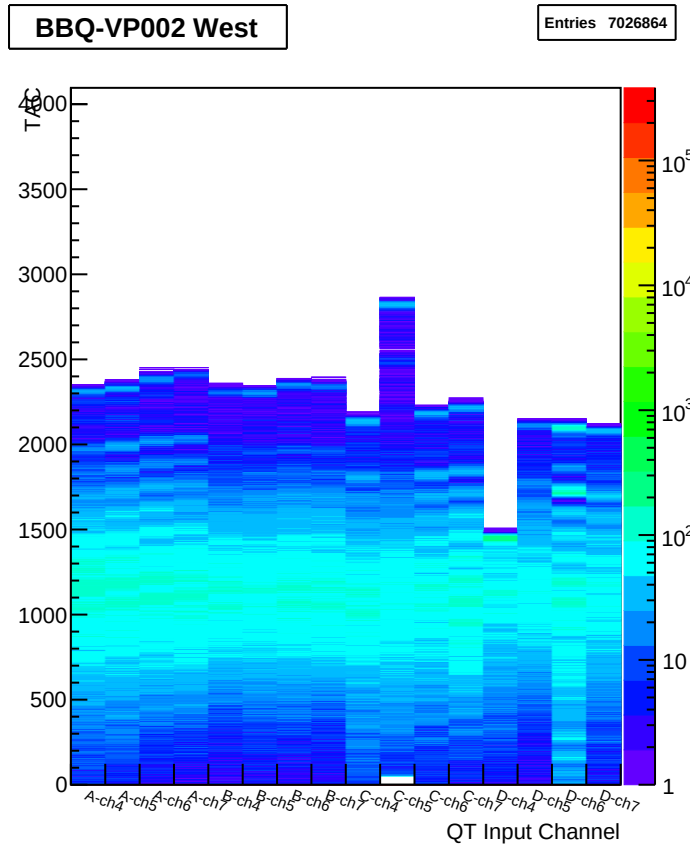

BBQ-ZD001 (ZDC TOWER)
Entries 7026864
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

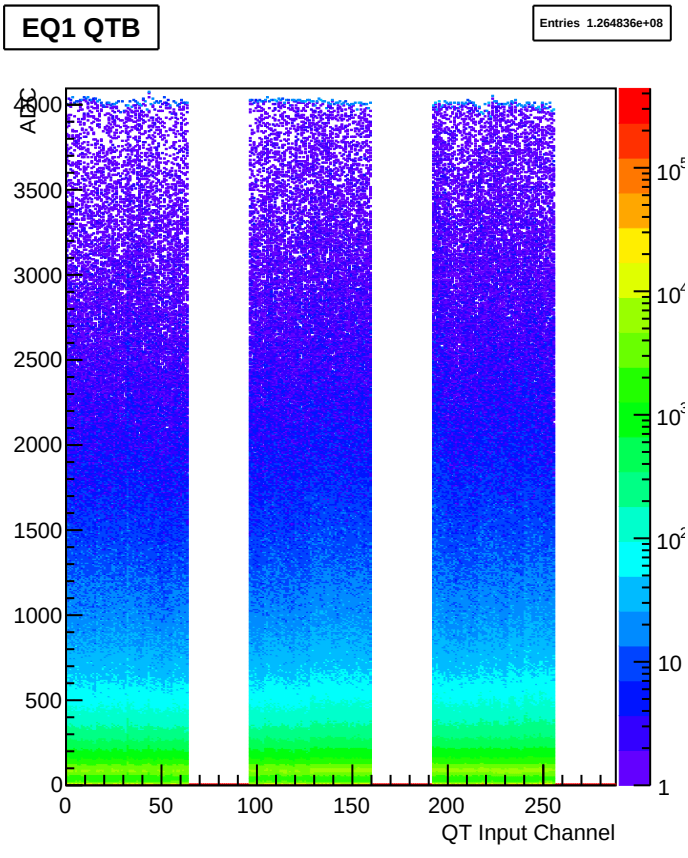

BBQ-ZD001 (ZDC TOWER)
Entries 7026864
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

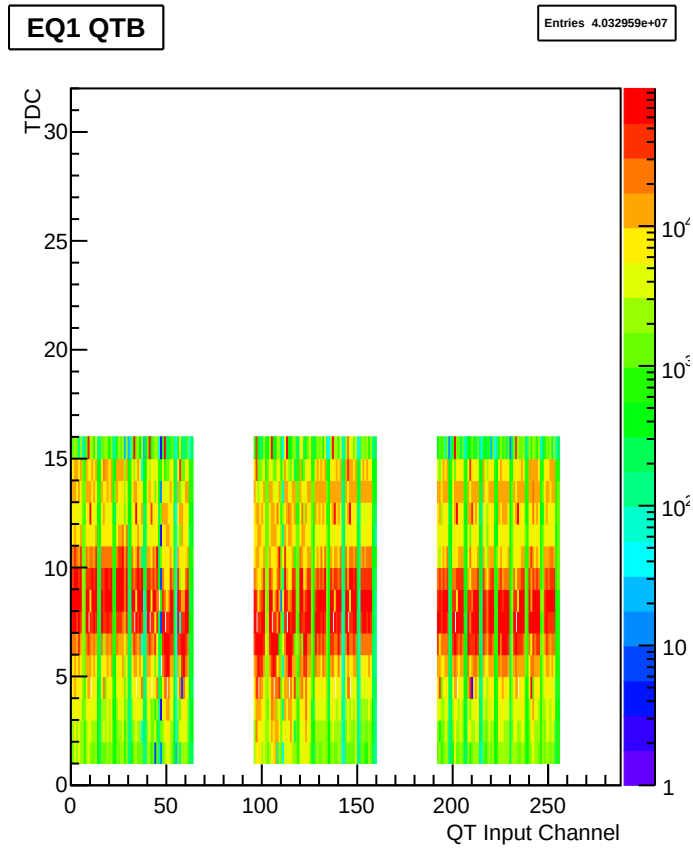

BBQ-VP001 East
Entries 7026864
ADC
QT Input Channel

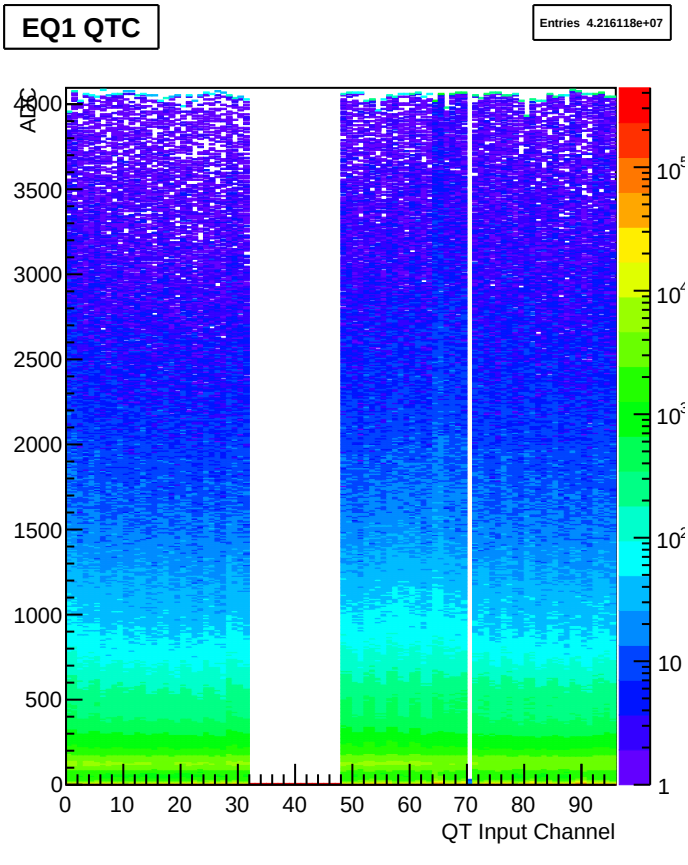

BBQ-VP001 East
Entries 7026864
ADC
QT Input Channel

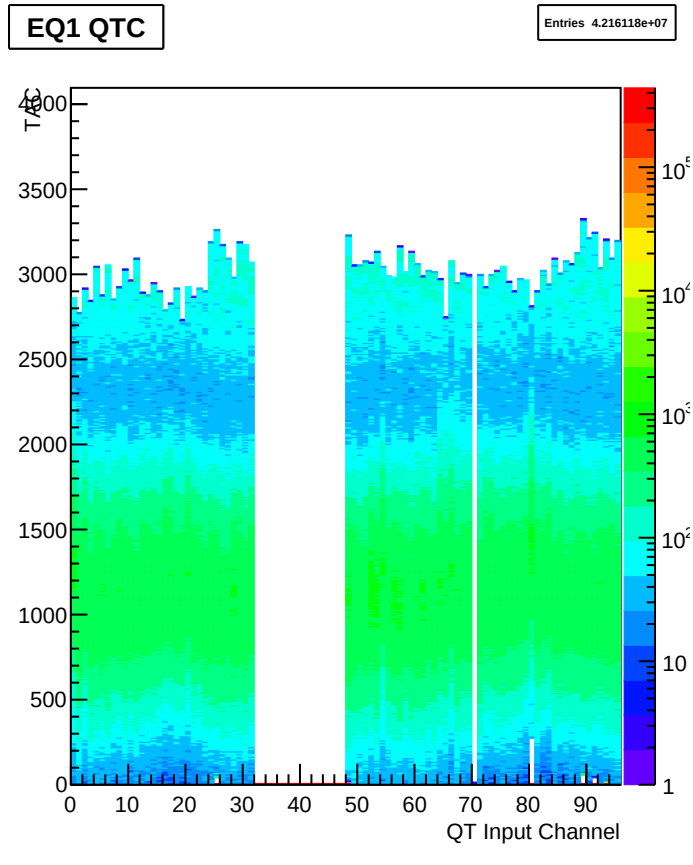

BBQ-VP002 West
Entries 7026864
ADC
QT Input Channel

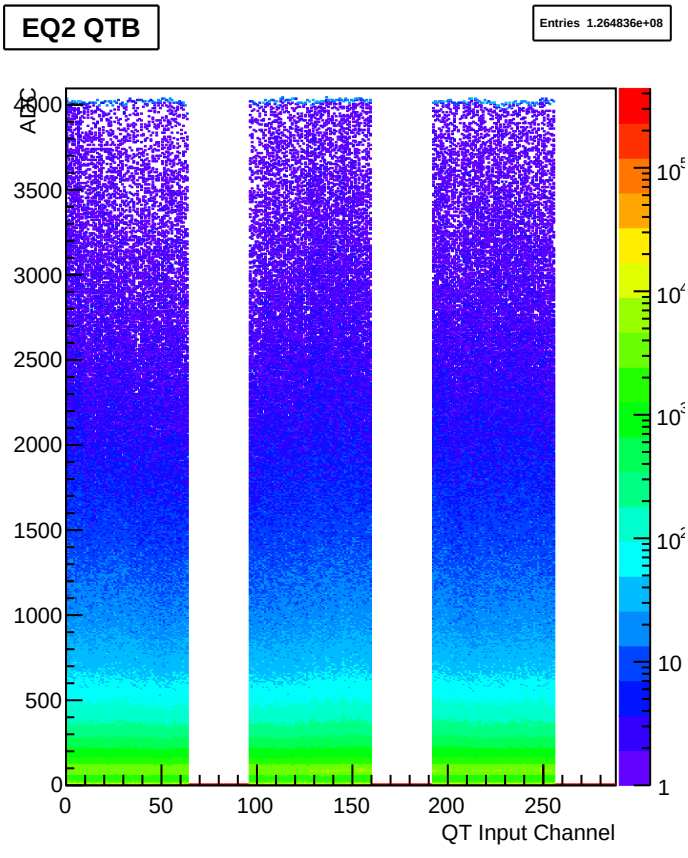

BBQ-VP002 West
Entries 7026864
ADC
QT Input Channel

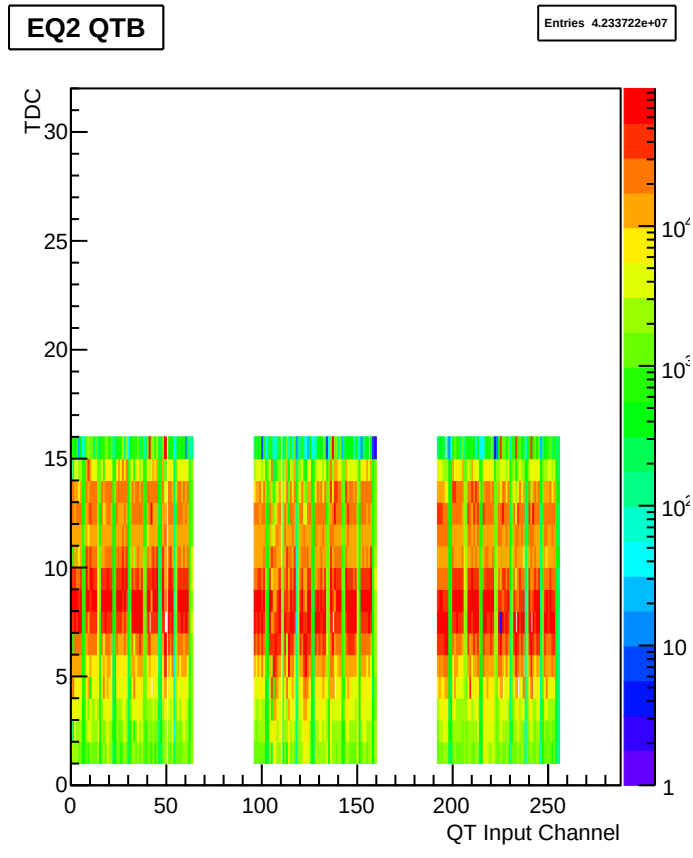

EQ1 QTB
Entries 1.264836e+08
ADC
QT Input Channel

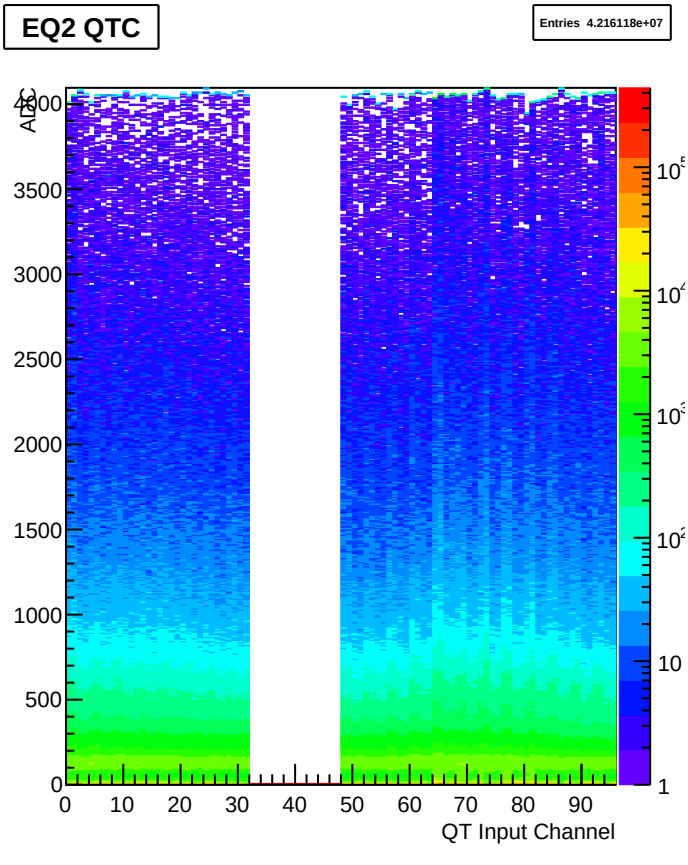

EQ1 QTB
Entries 4.032959e+07
TDC
QT Input Channel

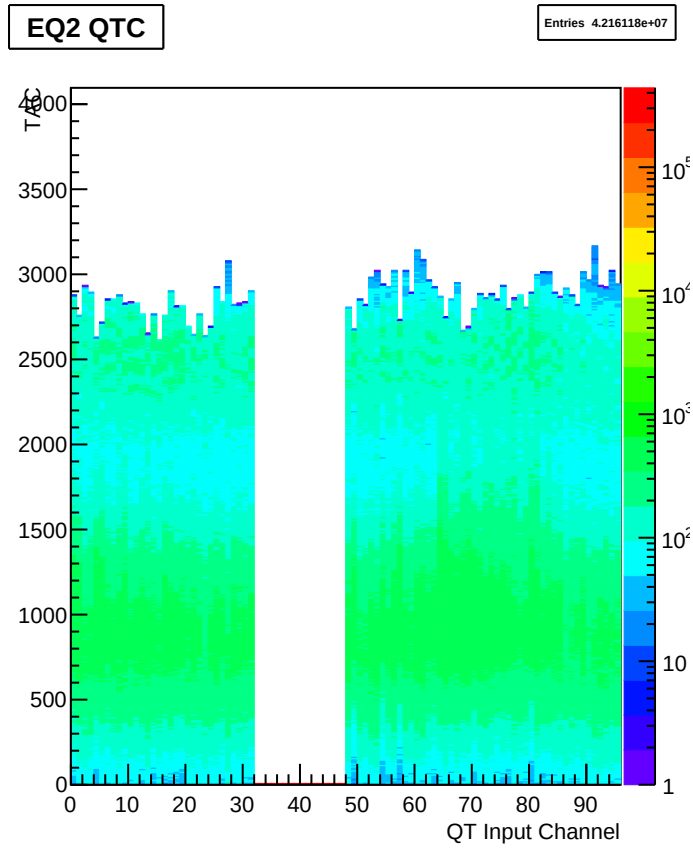

EQ1 QTC
Entries 4.216118e+07
ADC
QT Input Channel

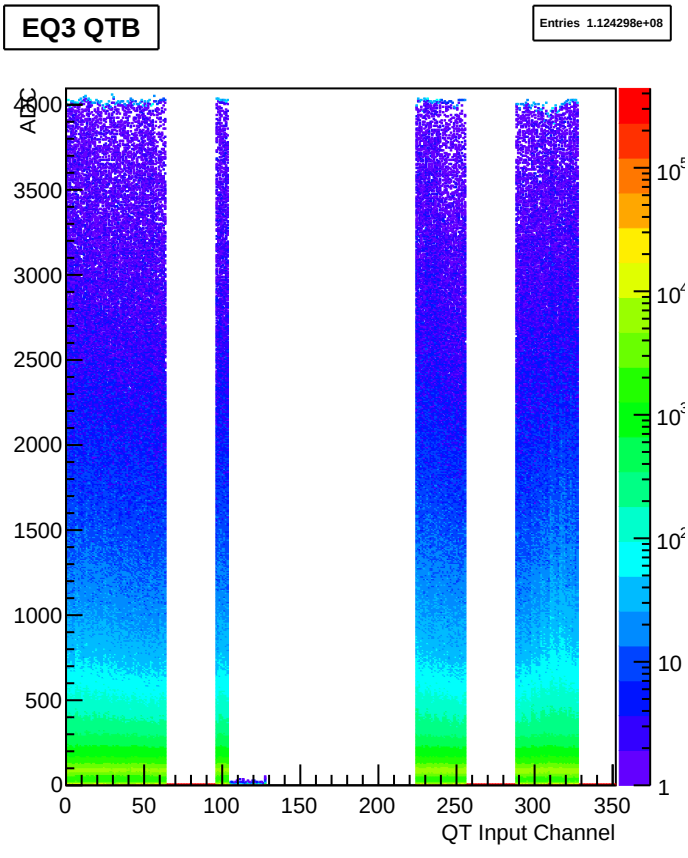

EQ1 QTC
Entries 4.216118e+07
TADC
QT Input Channel

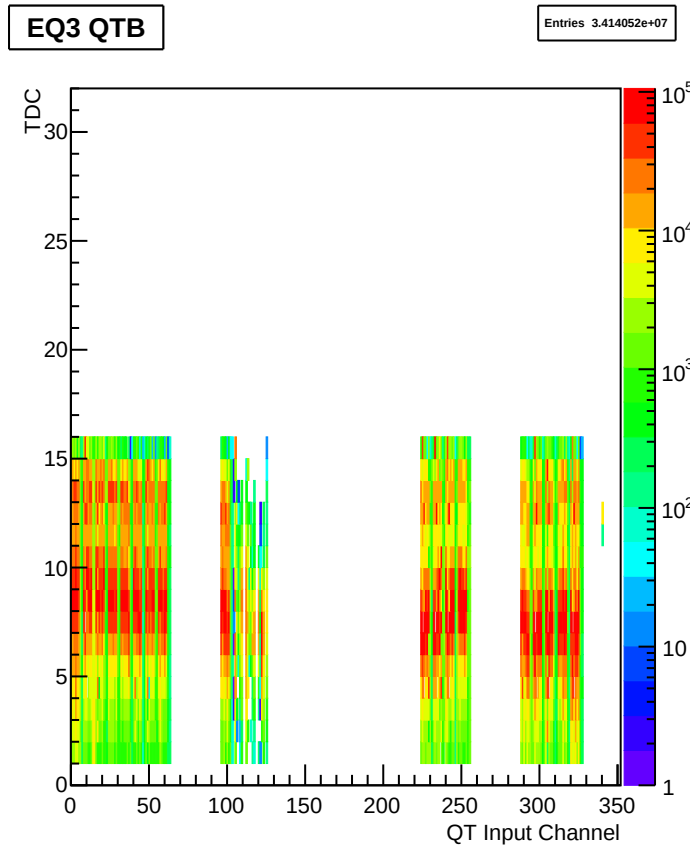

EQ2 QTB
Entries 1.264836e+08
ADC
QT Input Channel

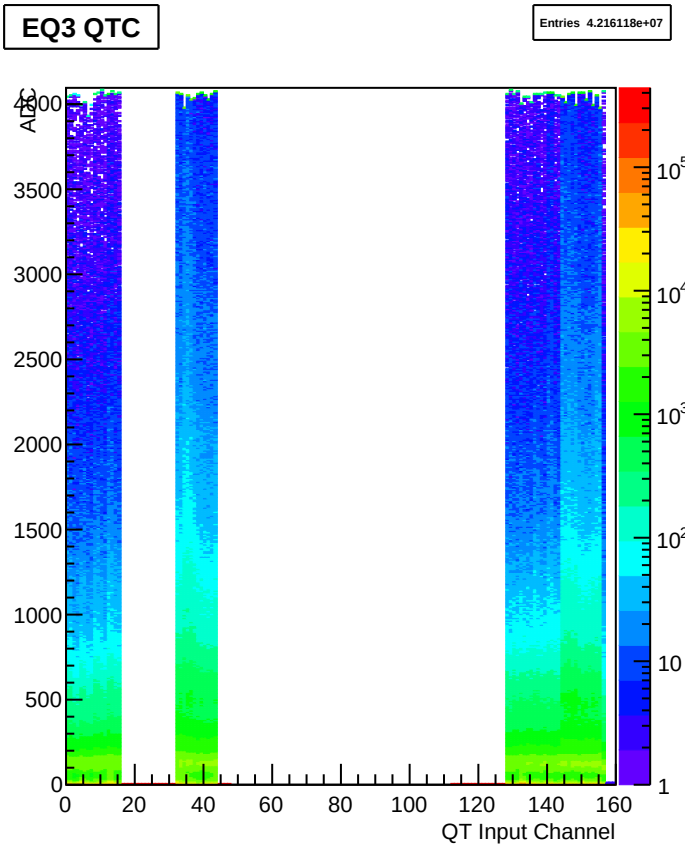

EQ2 QTB
Entries 4.233722e+07
TDC
QT Input Channel

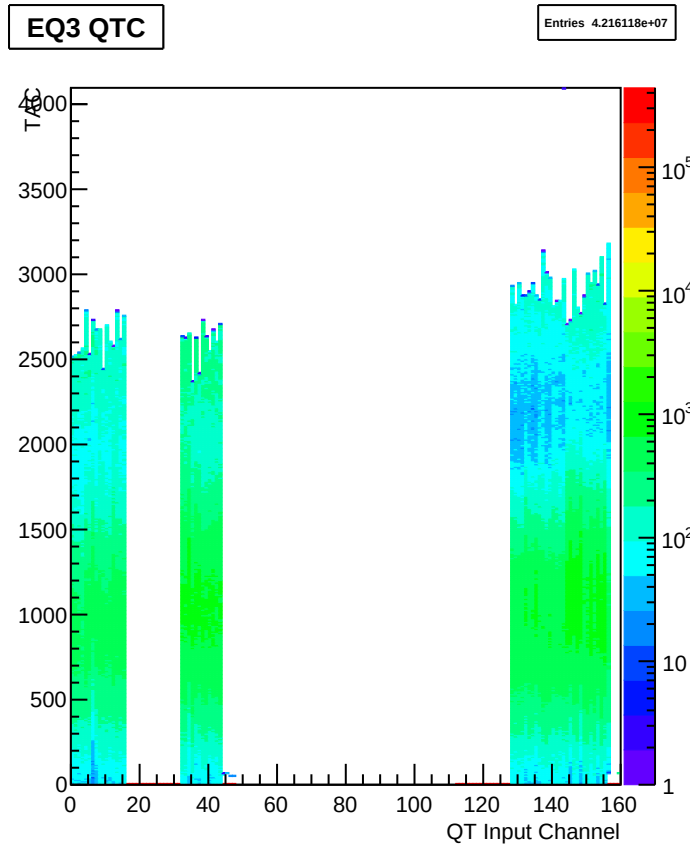

EQ2 QTC
Entries 4.216118e+07
ADC
QT Input Channel

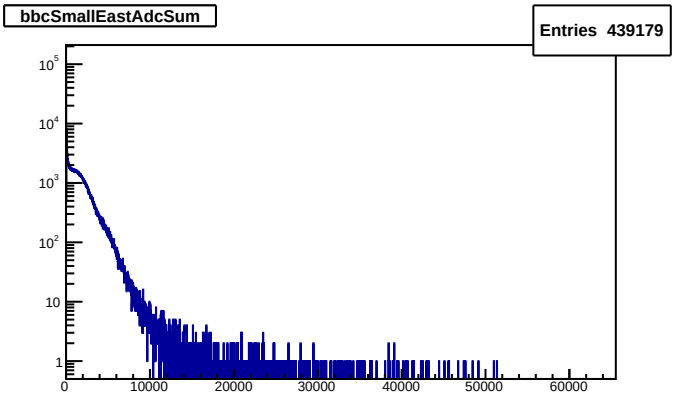

EQ2 QTC
Entries 4.216118e+07
TADC
QT Input Channel

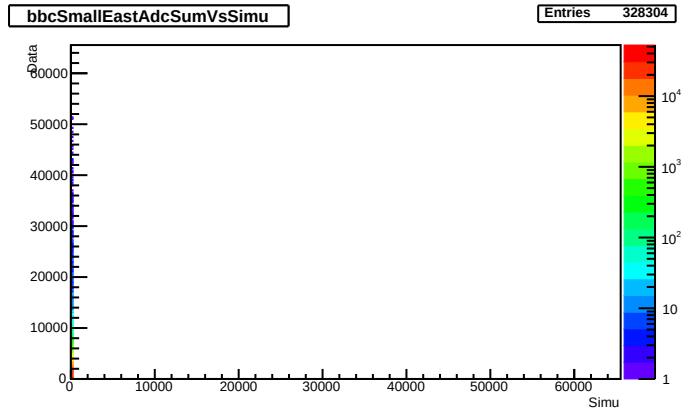

EQ3 QTB
Entries 1.124298e+08
ADC
QT Input Channel

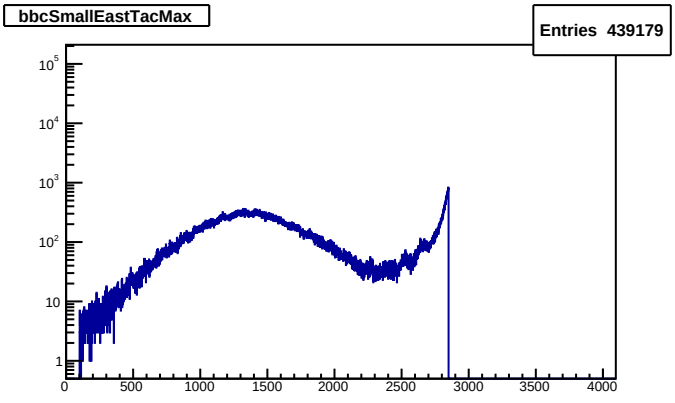

EQ3 QTB
Entries 3.414052e+07
TDC
QT Input Channel

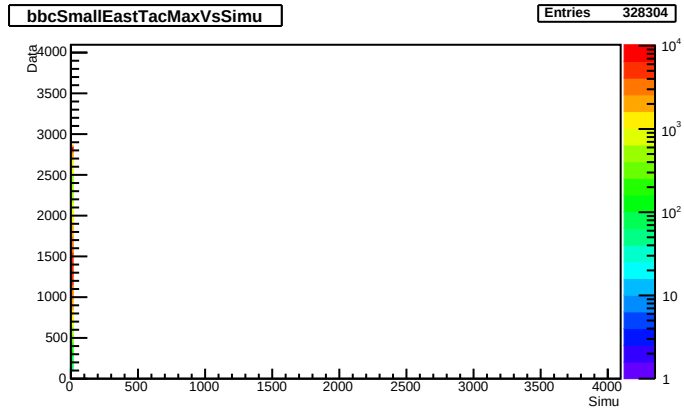

EQ3 QTC
Entries 4.216118e+07
ADC
QT Input Channel

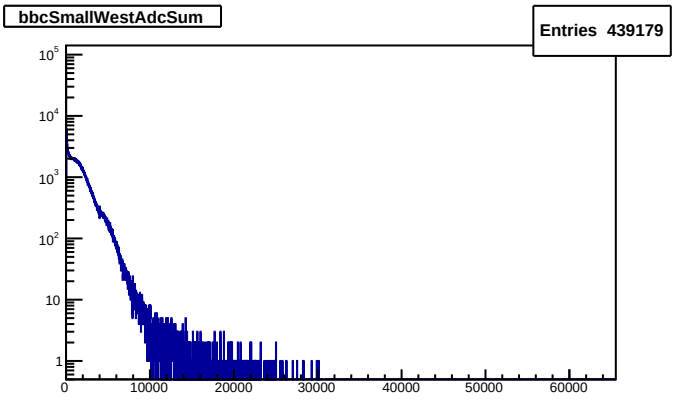

EQ3 QTC
Entries 4.216118e+07
TADC
QT Input Channel

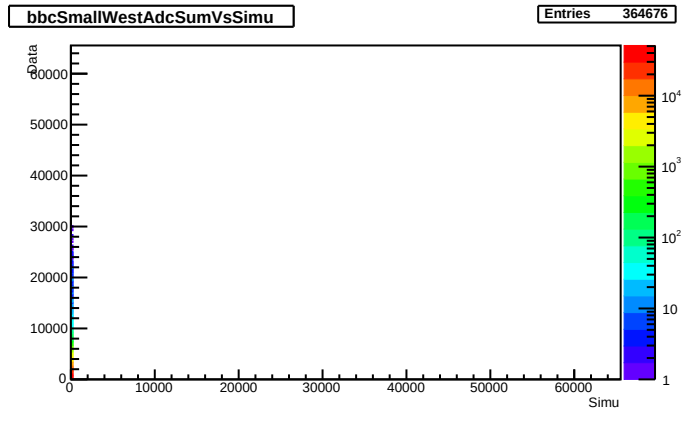

bbcSmallEastAdcSum
Entries 439179

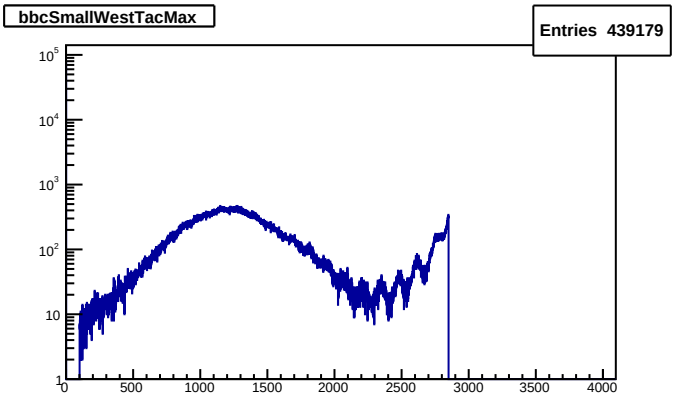

bbcSmallEastAdcSumVsSimu
Entries 328304
Data
Simu

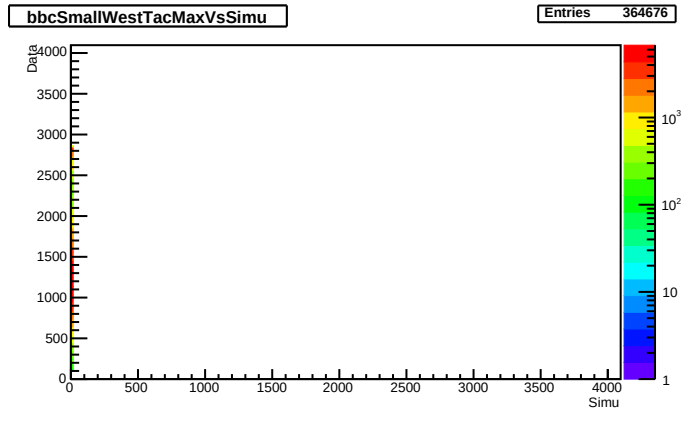

bbcSmallEastTacMax
Entries 439179

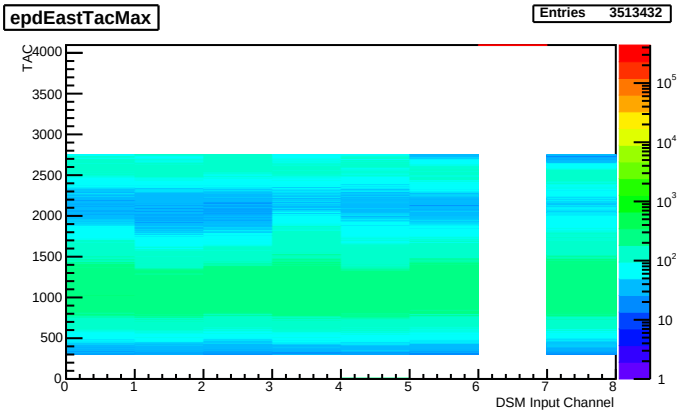

bbcSmallEastTacMaxVsSimu
Entries 328304
Data
Simu

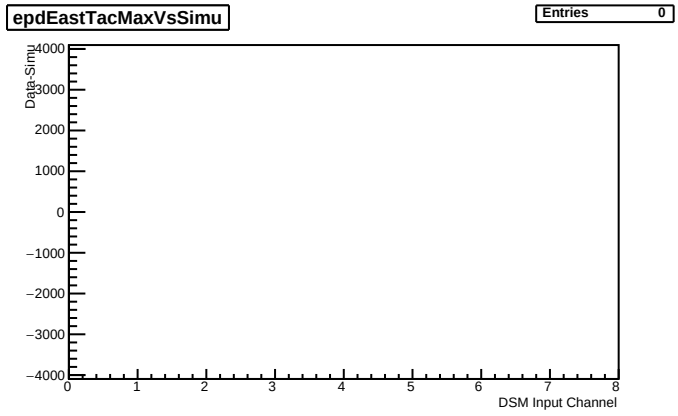

bbcSmallWestAdcSum
Entries 439179

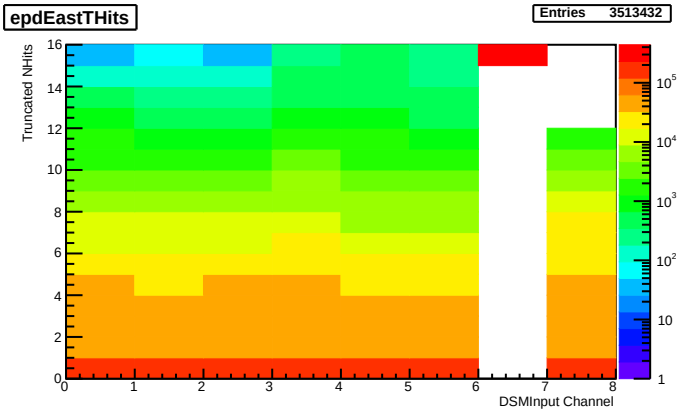

bbcSmallWestAdcSumVsSimu
Entries 364676
Data
Simu

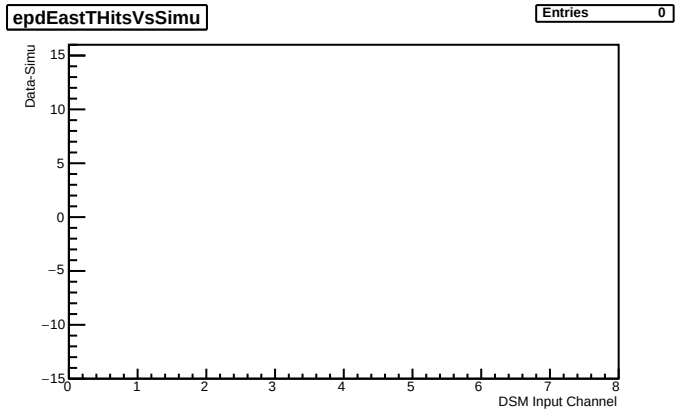

bbcSmallWestTacMax
Entries 439179

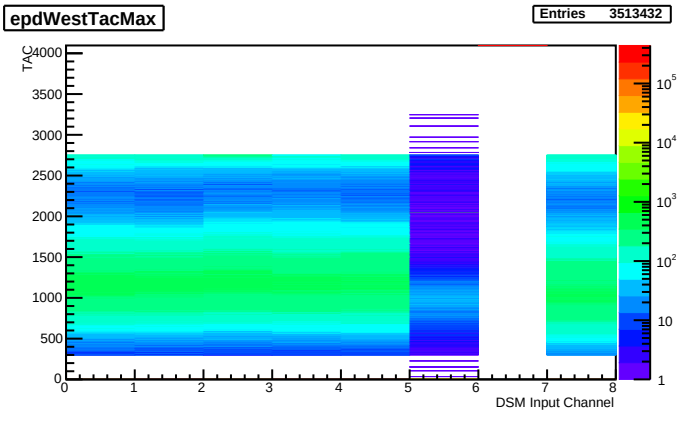

bbcSmallWestTacMaxVsSimu
Entries 364676
Data
Simu

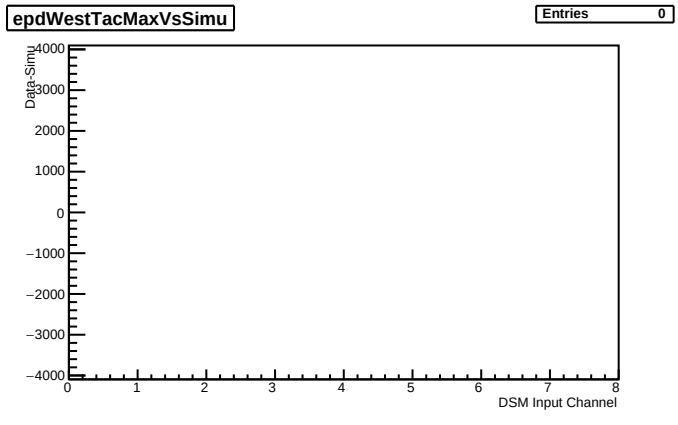

epdEastTacMax
Entries 3513432
TAC
DSM Input Channel

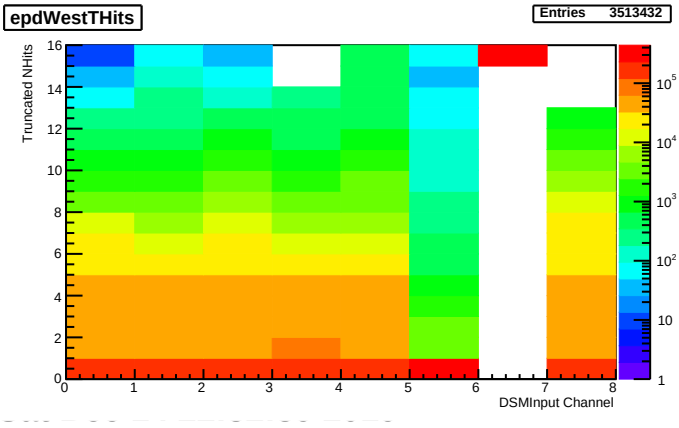

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

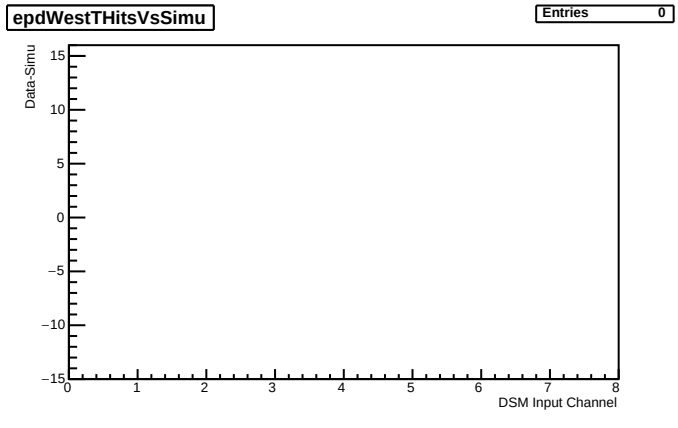

epdEastTHits
Entries 3513432
Truncated NHits
DSMInput Channel

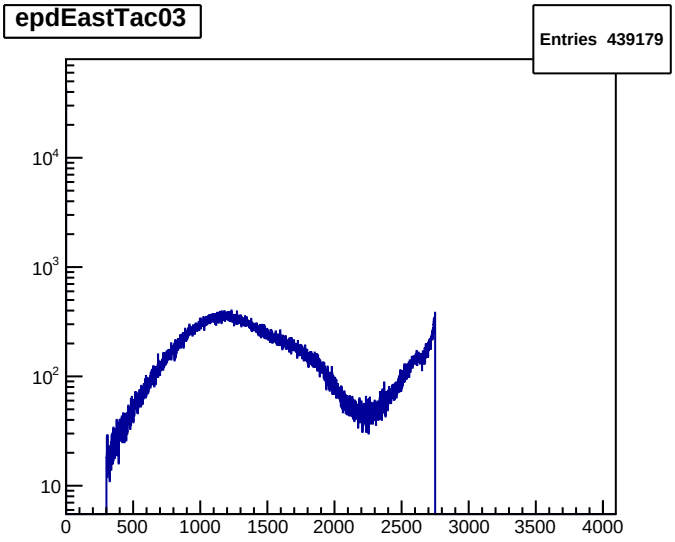

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

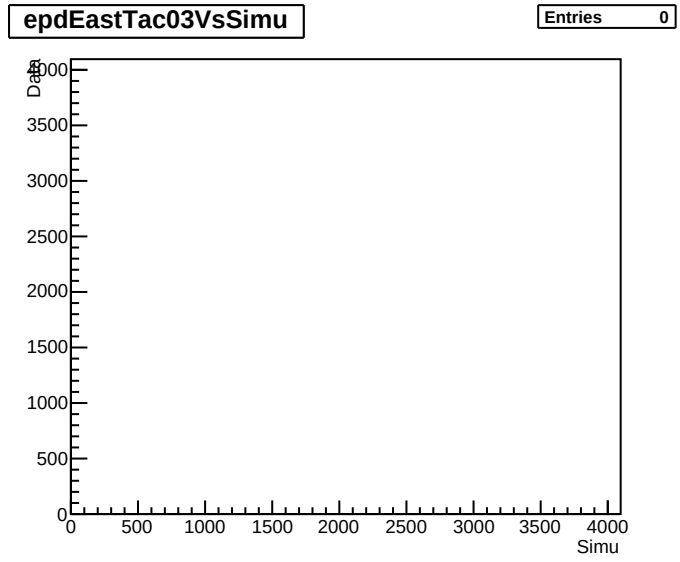

epdWestTacMax
Entries 3513432
TAC
DSM Input Channel

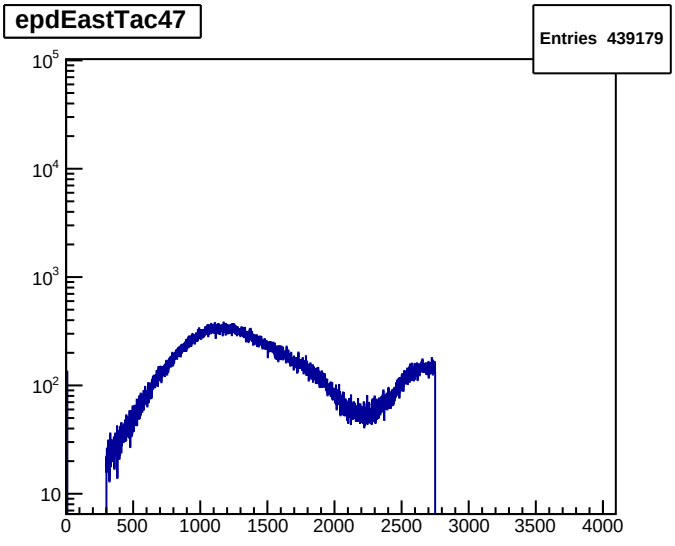

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

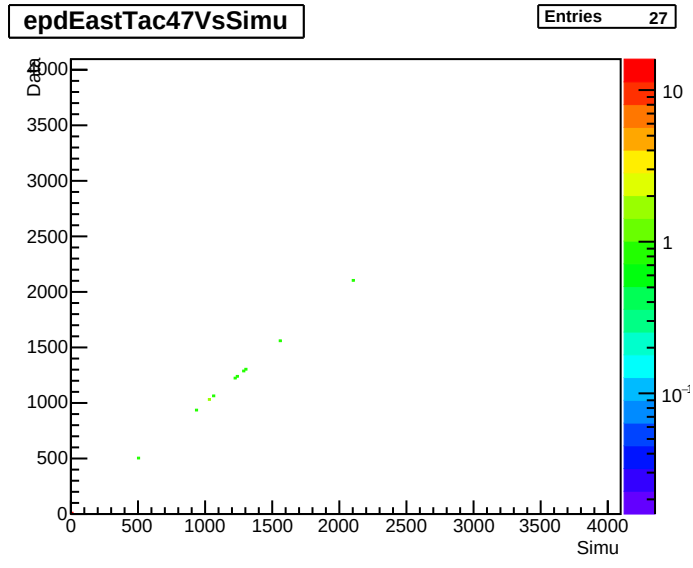

epdWestTHits
Entries 3513432
Truncated NHits
DSMInput Channel

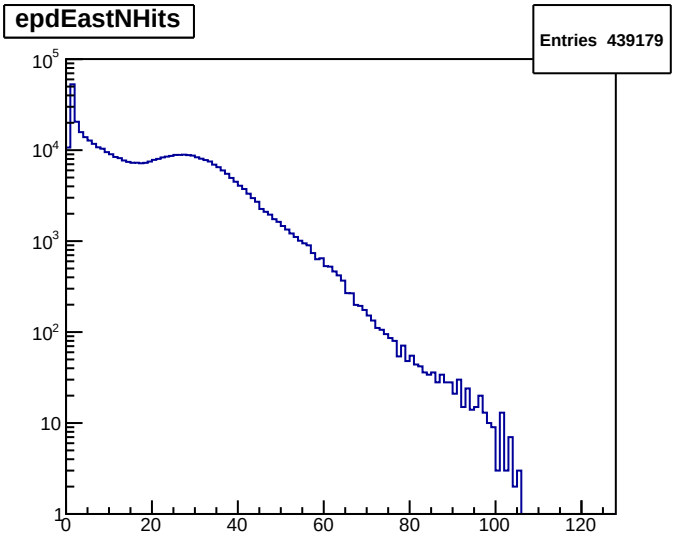

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

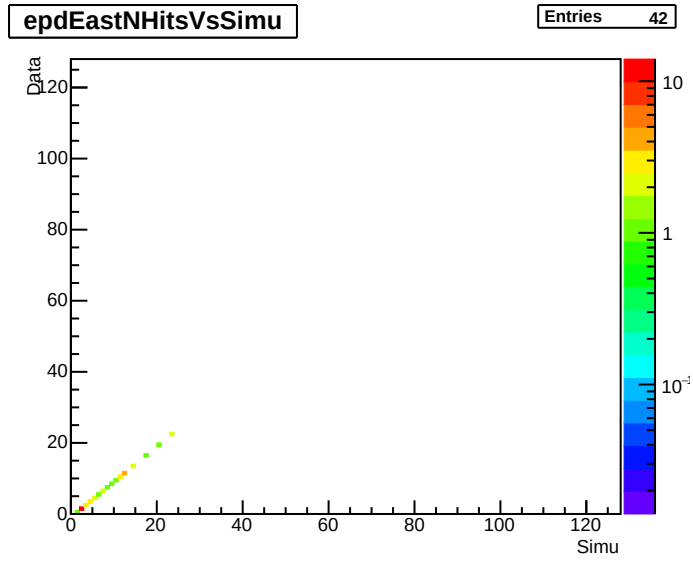

epdEastTac03
Entries 439179

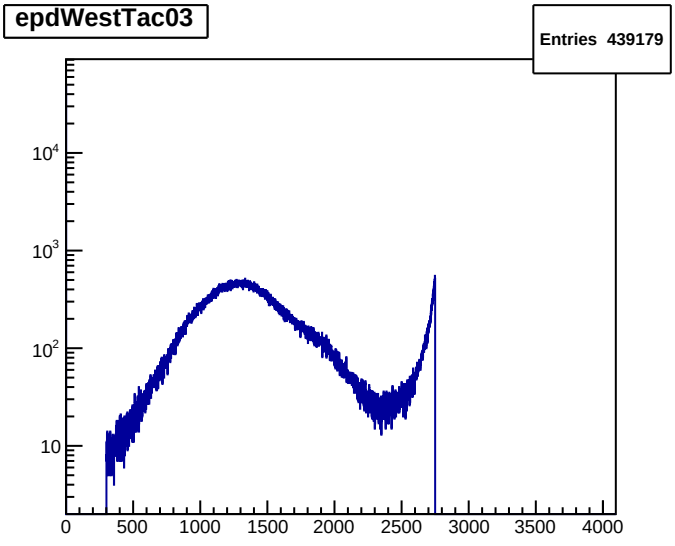

epdEastTac03VsSimu
Entries 0
Data
Simu

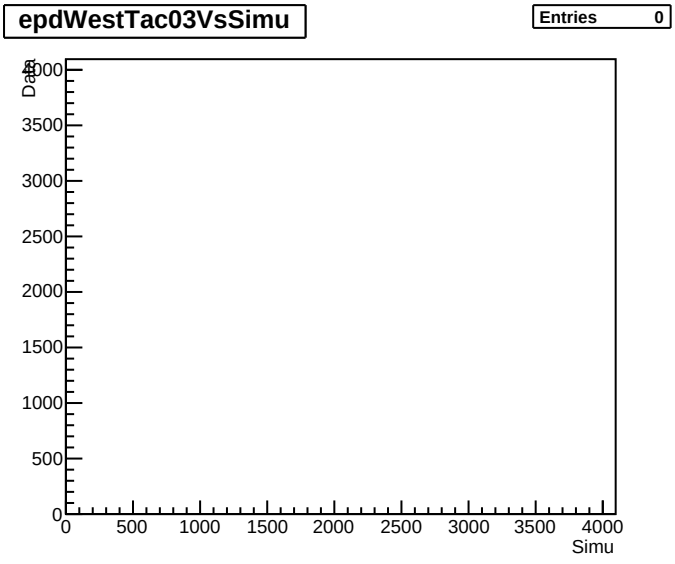

epdEastTac47
Entries 439179

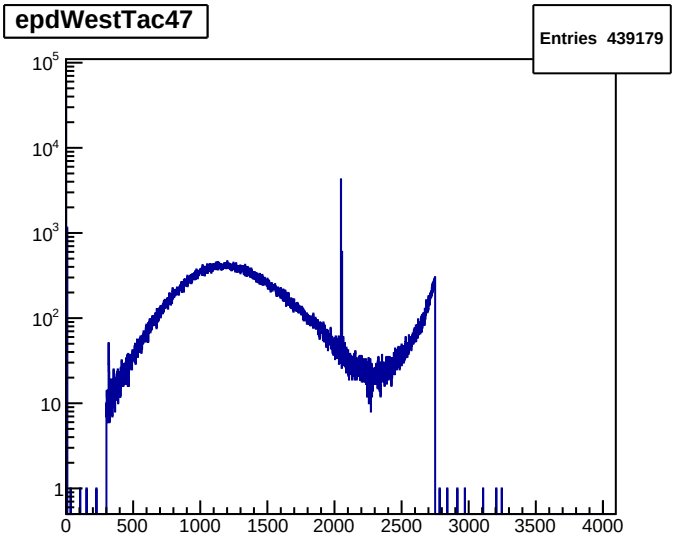

epdEastTac47VsSimu
Entries 27
Data
Simu

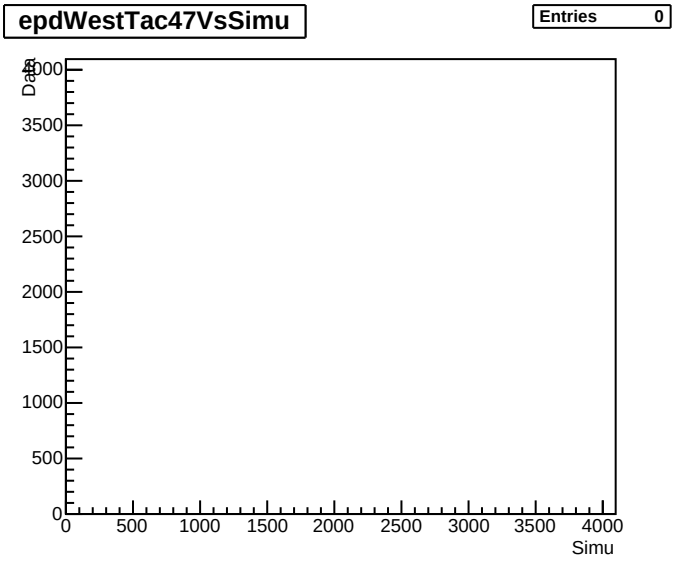

epdEastNHits
Entries 439179

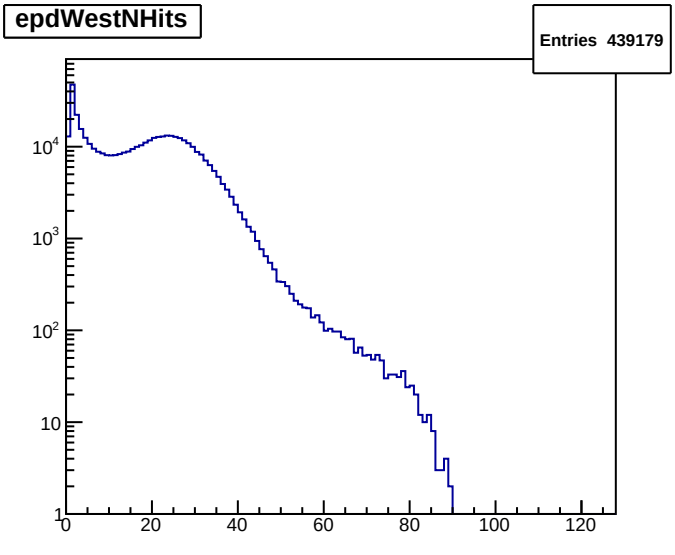

epdEastNHitsVsSimu
Entries 42
Data
Simu

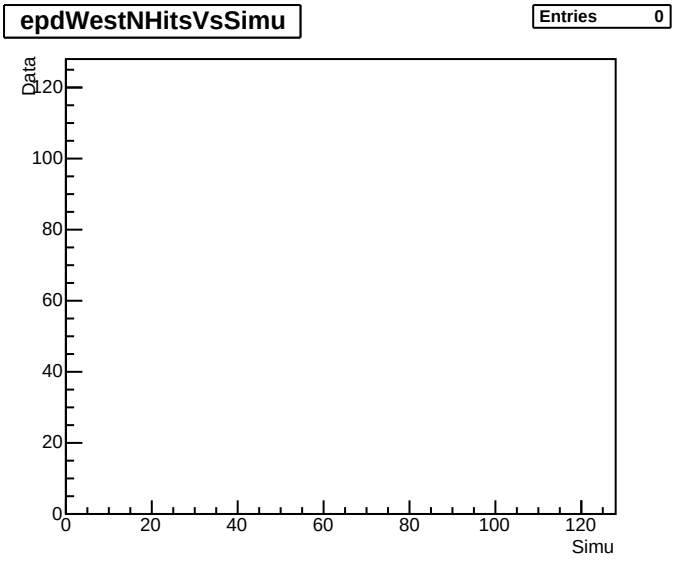

epdWestTac03
Entries 439179

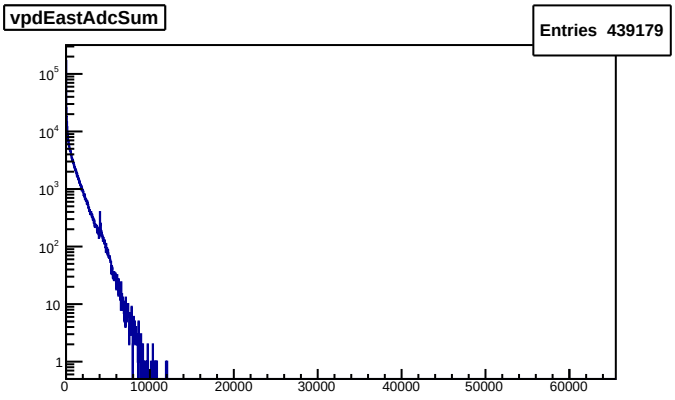

epdWestTac03VsSimu
Entries 0
Data
Simu

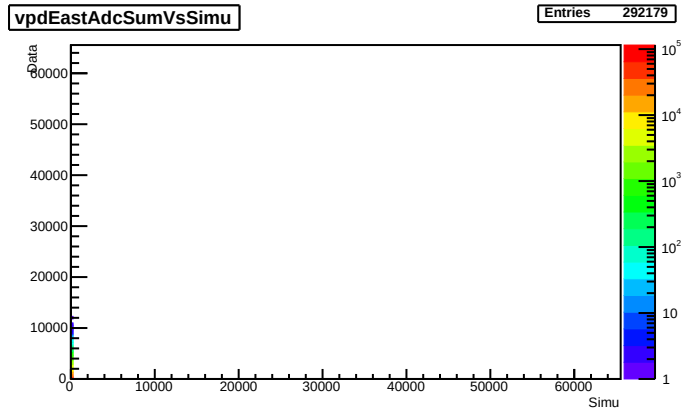

epdWestTac47
Entries 439179

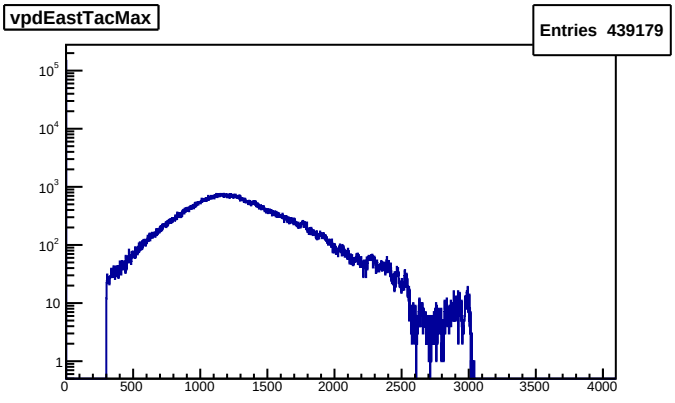

epdWestTac47VsSimu
Entries 0
Data
Simu

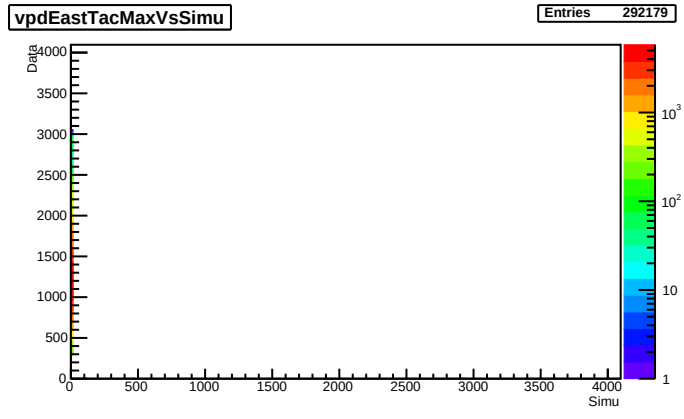

epdWestNHits
Entries 439179

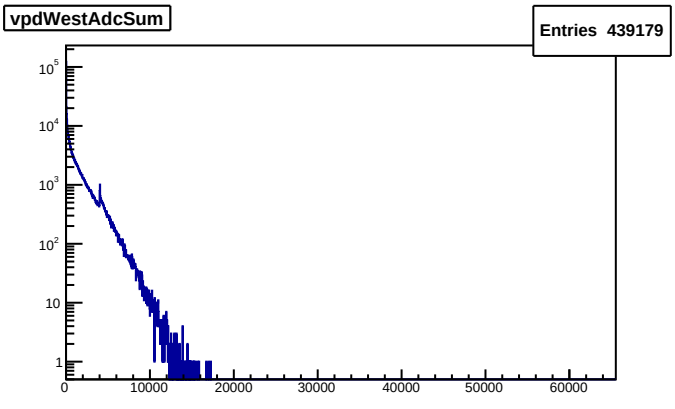

epdWestNHitsVsSimu
Entries 0
Data
Simu

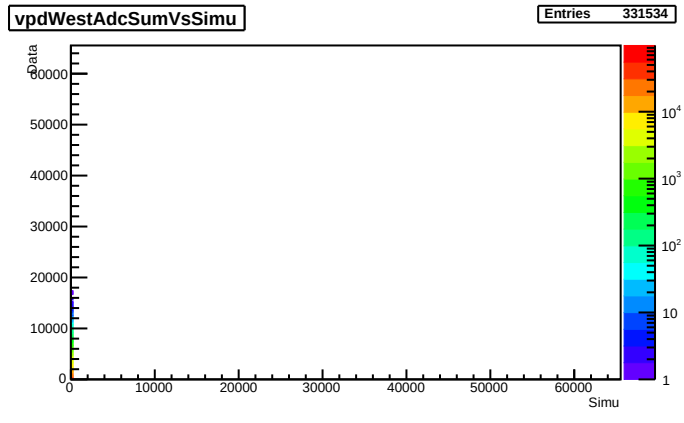

vpdEastAdcSum
Entries 439179

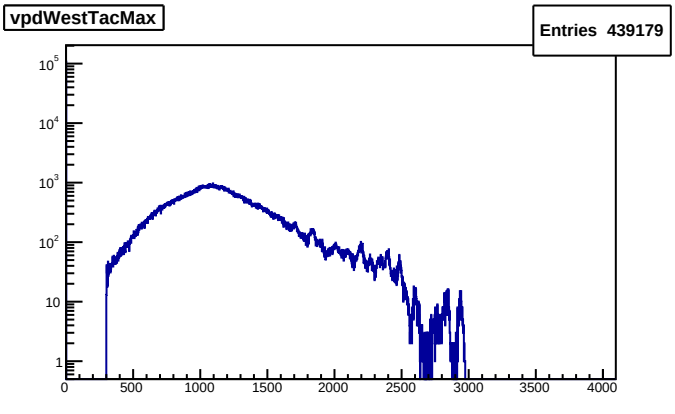

vpdEastAdcSumVsSimu
Entries 292179
Data
Simu

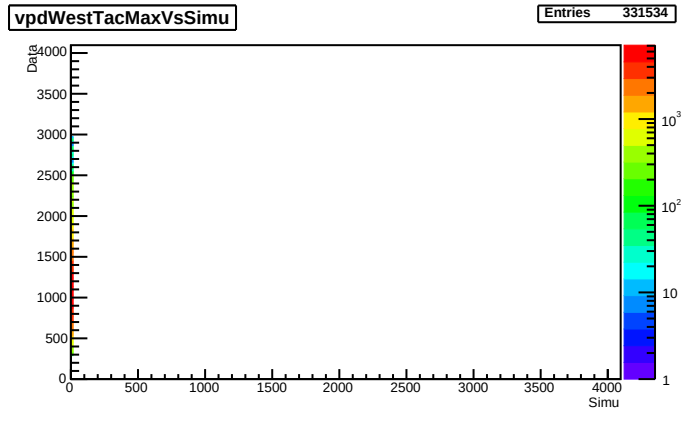

vpdEastTacMax
Entries 439179

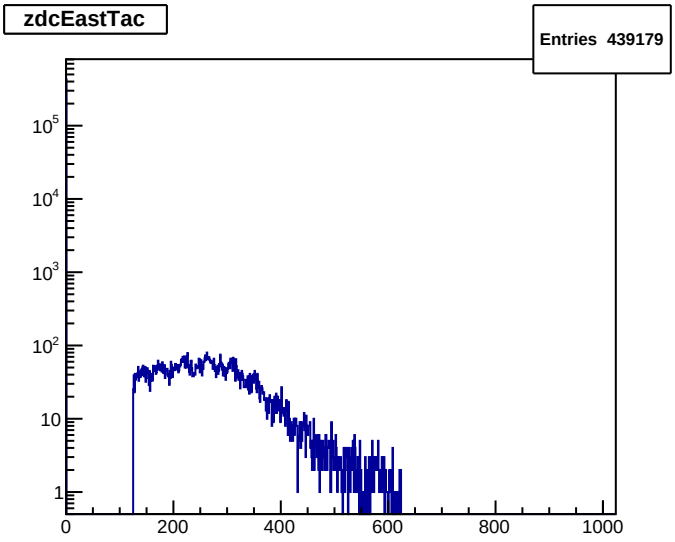

vpdEastTacMaxVsSimu
Entries 292179
Data
Simu

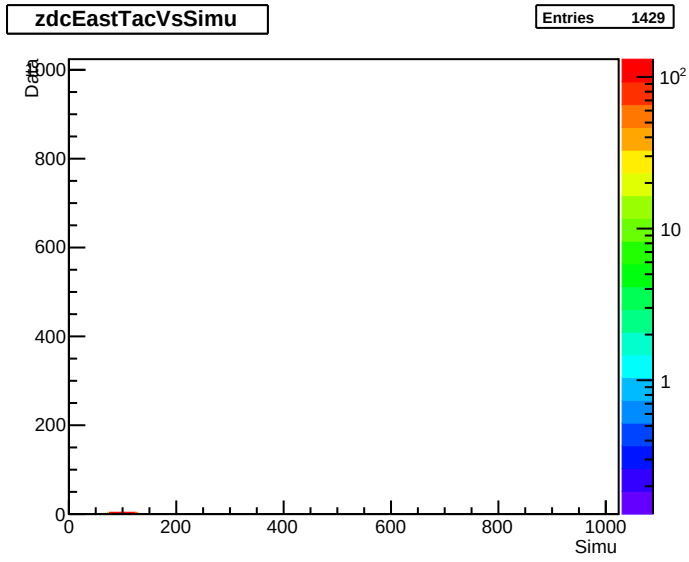

vpdWestAdcSum
Entries 439179

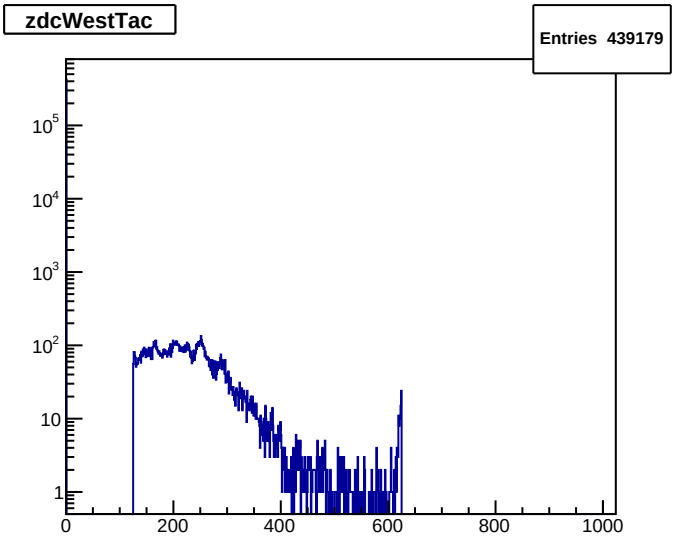

vpdWestAdcSumVsSimu
Entries 331534
Data
Simu

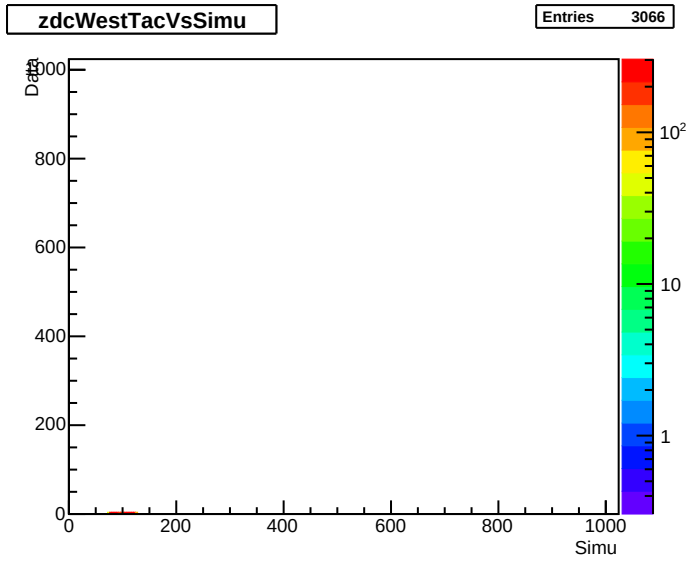

vpdWestTacMax
Entries 439179

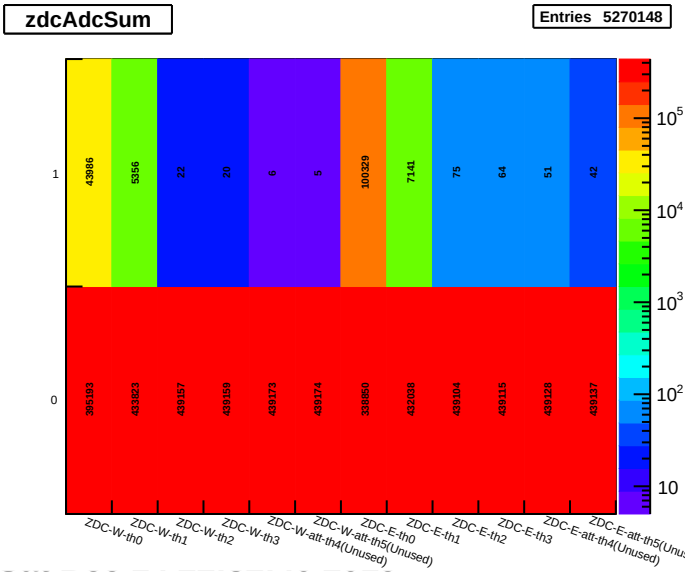

vpdWestTacMaxVsSimu
Entries 331534
Data
Simu

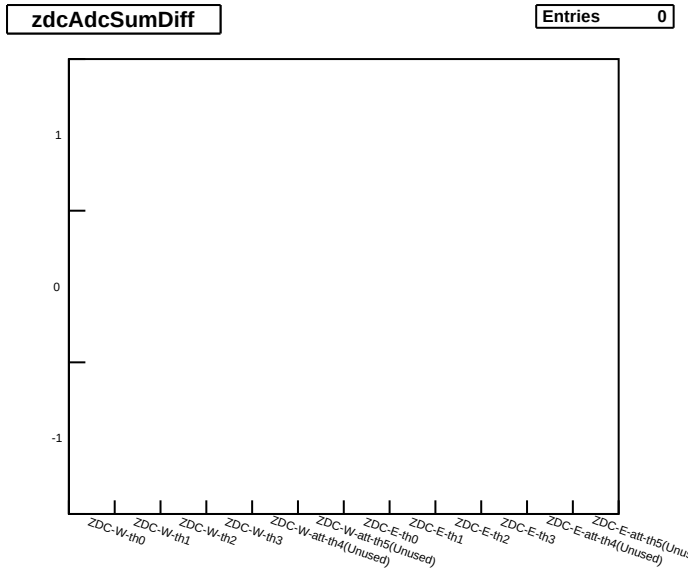

zdcEastTac
Entries 439179

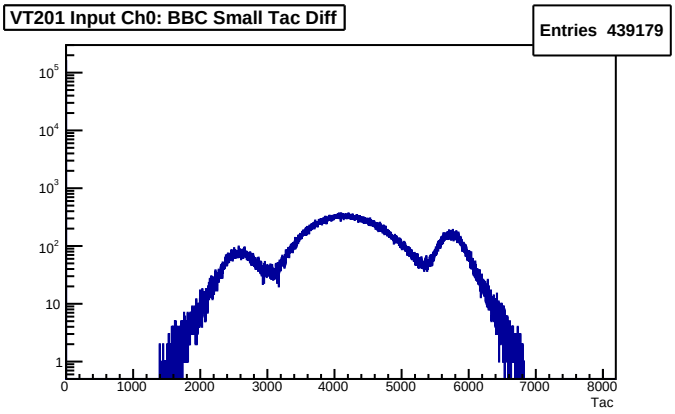

zdcEastTacVsSimu
Entries 1429
Data
Simu

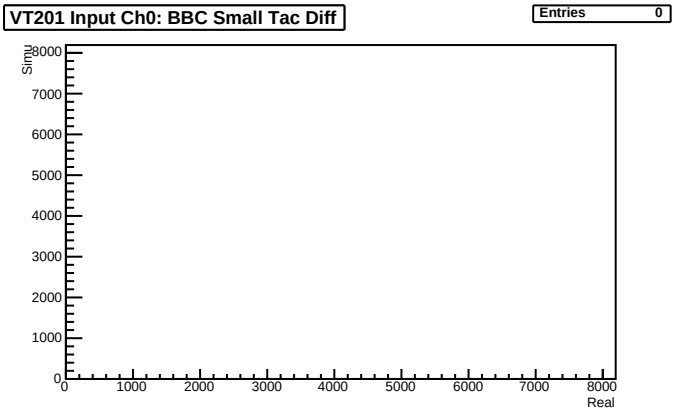

zdcWestTac
Entries 439179

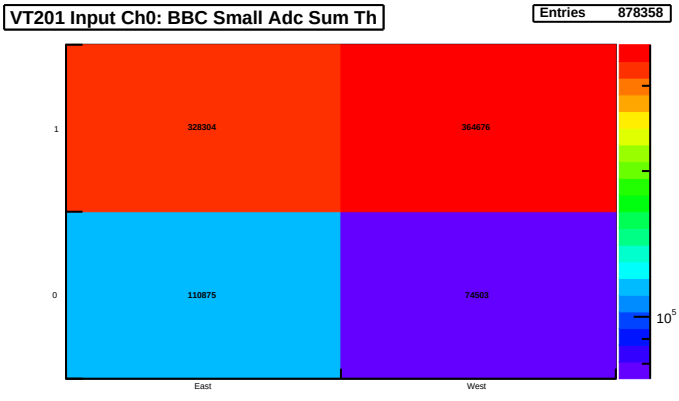

zdcWestTacVsSimu
Entries 3066
Data
Simu

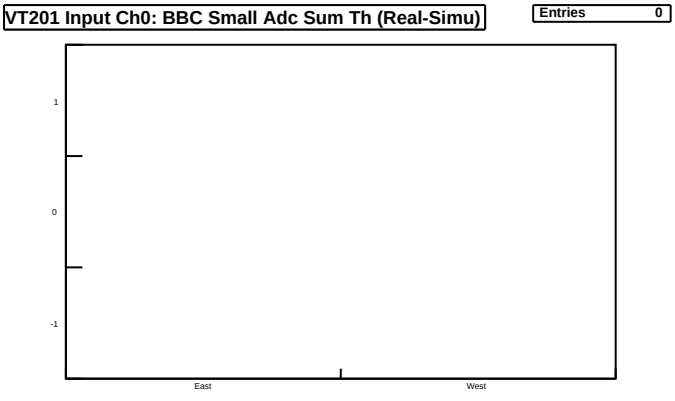

zdcAdcSum
Entries 5270148
43986
5356
22
20
6
5
100329
7141
75
64
51
42
395193
433823
439157
439159
439173
439174
338850
432038
439104
439115
439128
439137
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

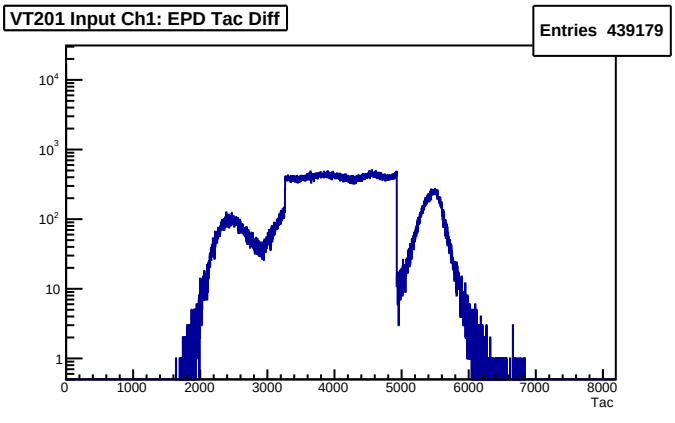

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

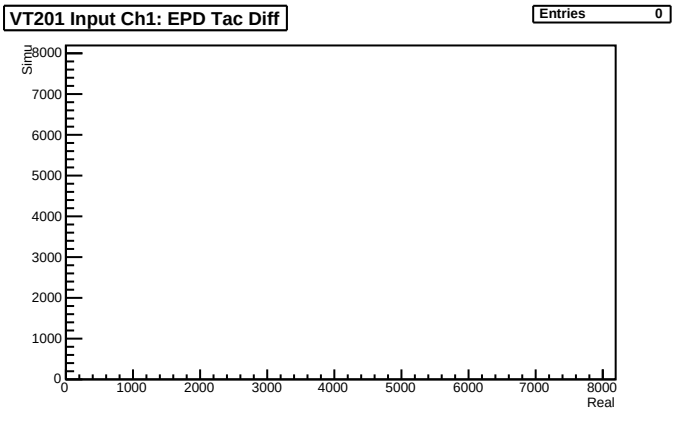

VT201 Input Ch0: BBC Small Tac Diff
Entries 439179
Tac

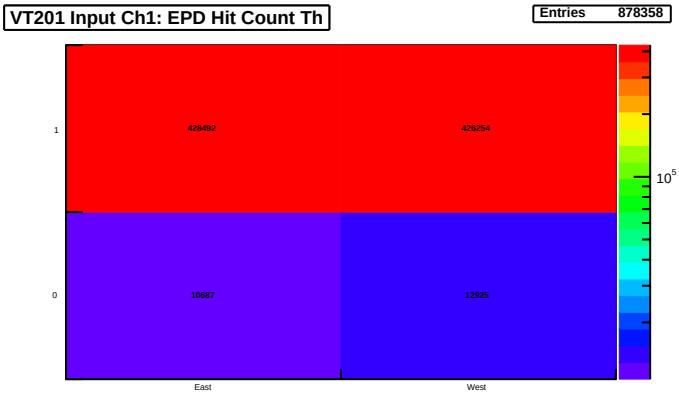

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

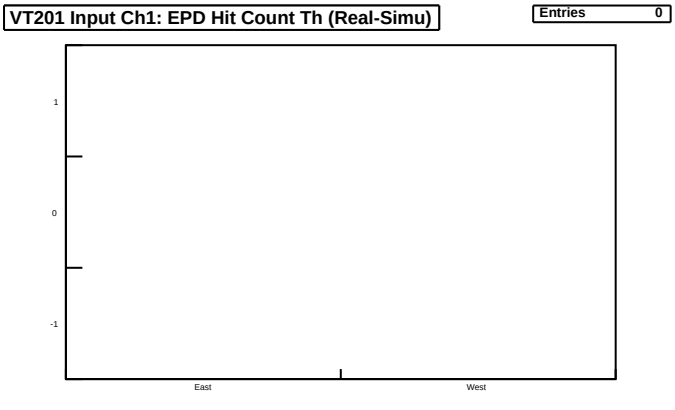

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 878358
328304
364676
110875
74503
East
West

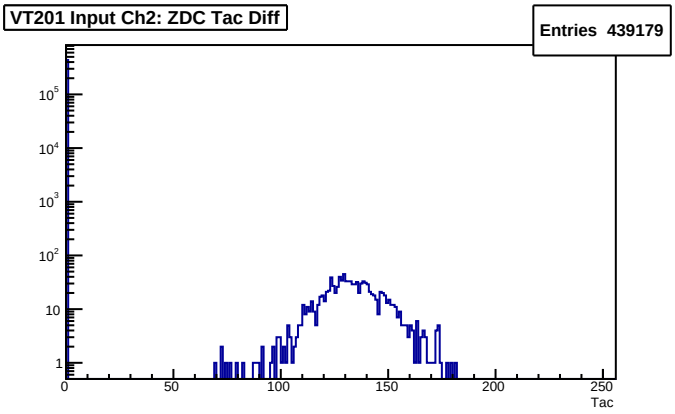

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

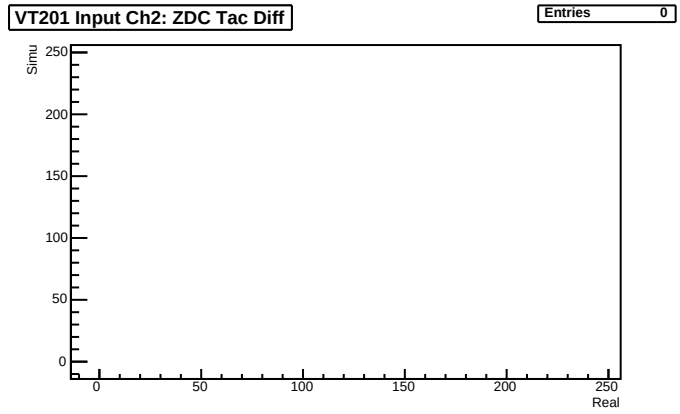

VT201 Input Ch1: EPD Tac Diff
Entries 439179
Tac

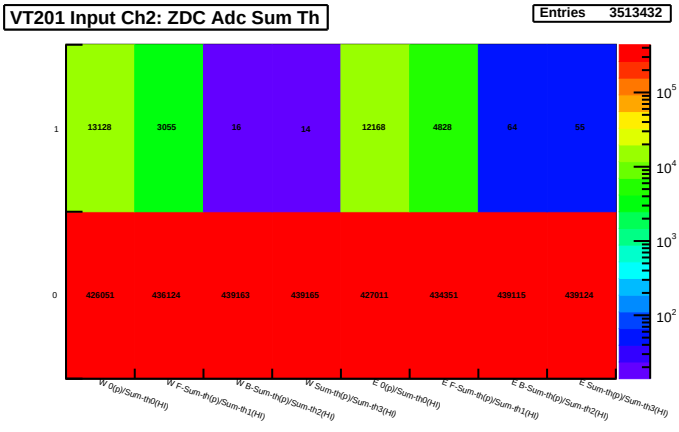

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

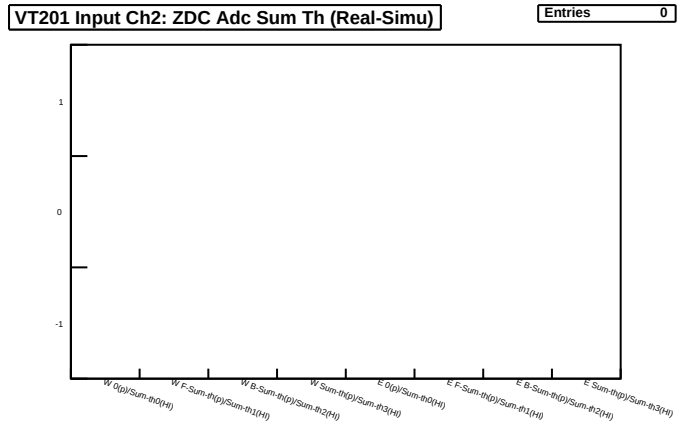

VT201 Input Ch1: EPD Hit Count Th
Entries 878358
428492
428254
10687
12925
East
West

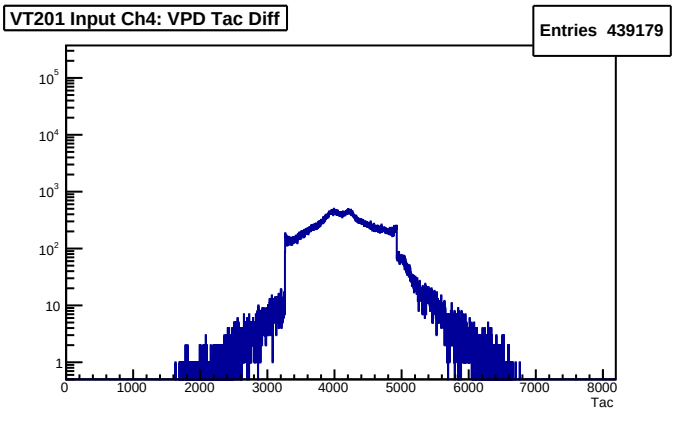

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

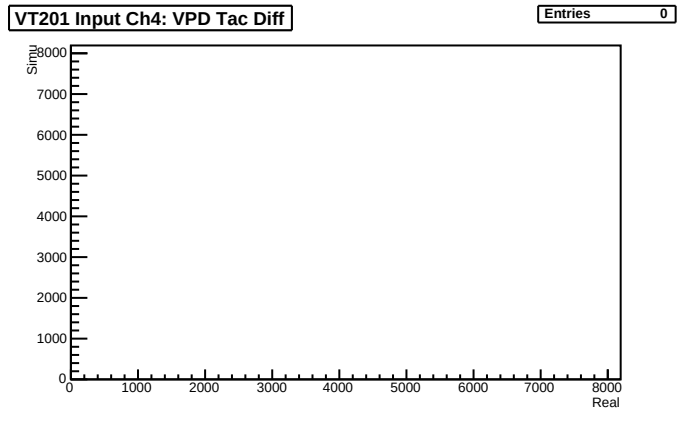

VT201 Input Ch2: ZDC Tac Diff
Entries 439179
Tac

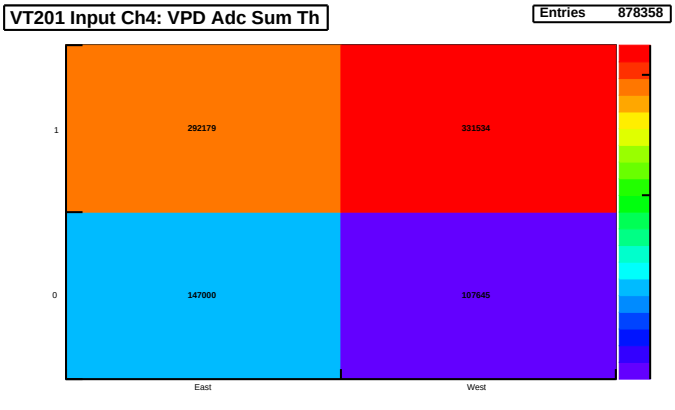

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

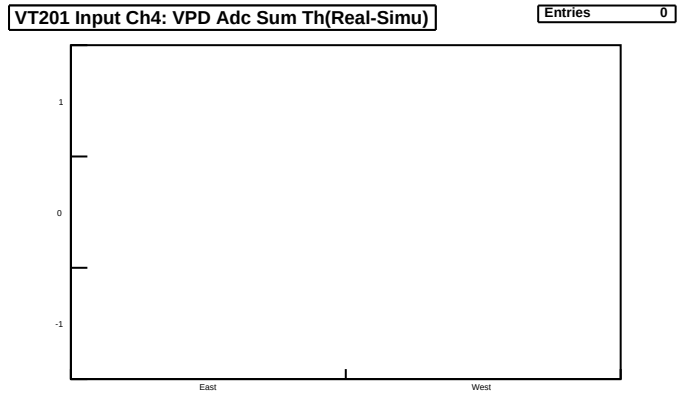

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3513432
13128
3055
16
14
12168
4828
64
55
426051
436124
439163
439165
427011
434351
439115
439124
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

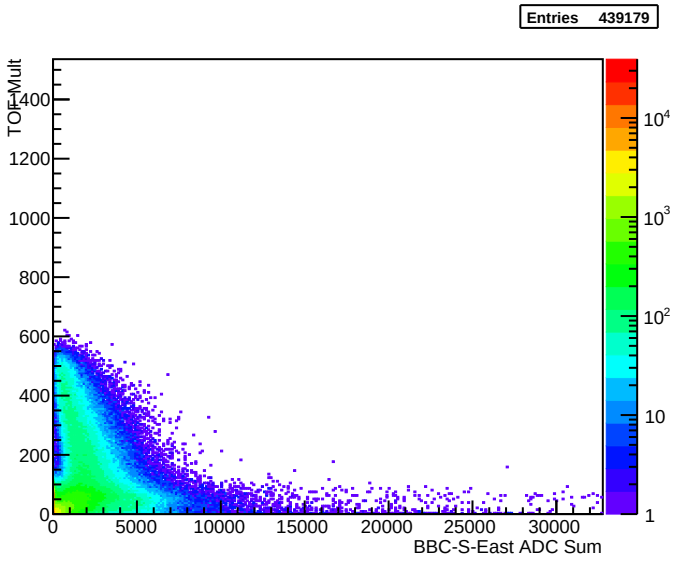

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

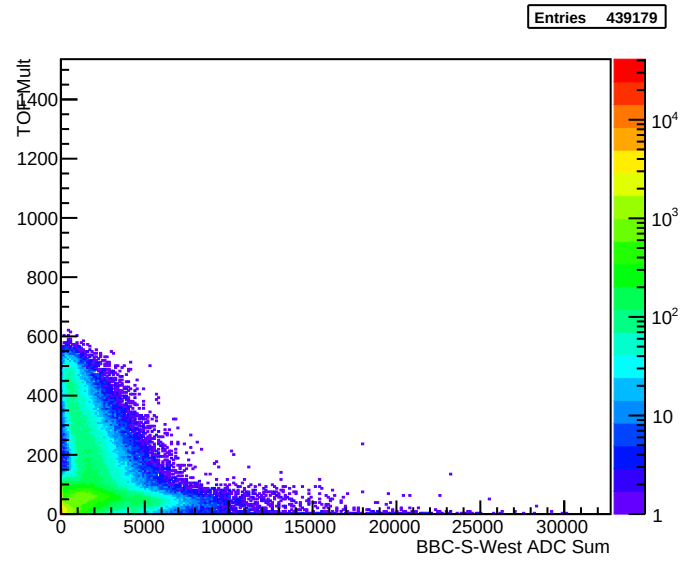

VT201 Input Ch4: VPD Tac Diff
Entries 439179
Tac

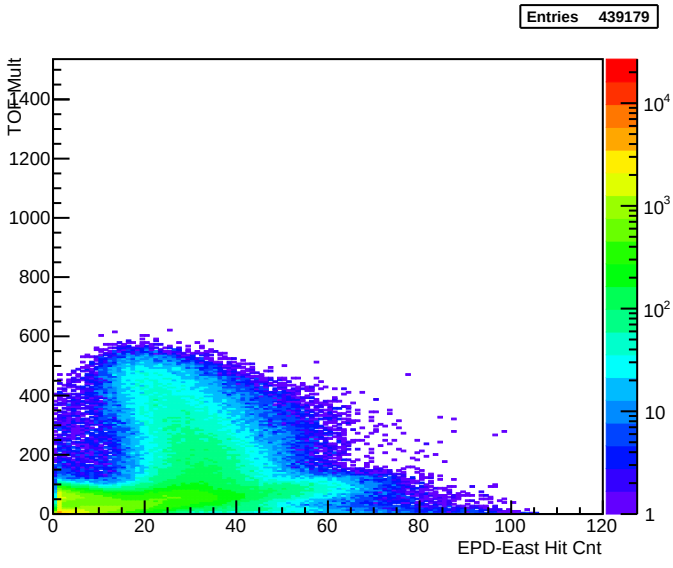

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

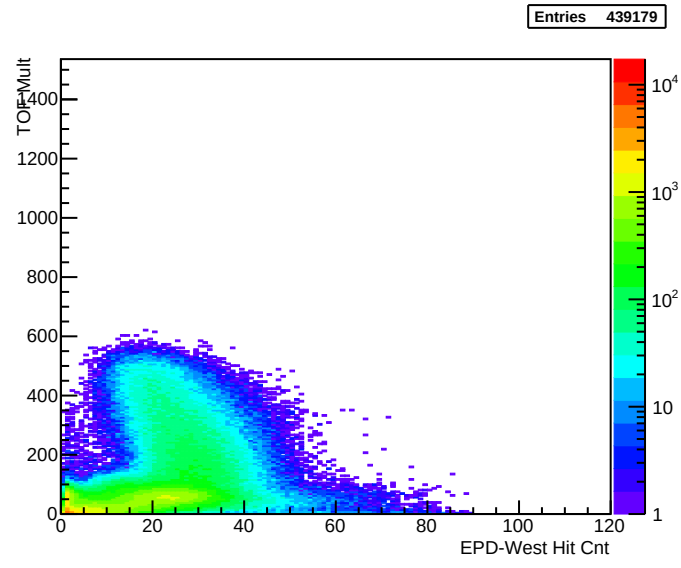

VT201 Input Ch4: VPD Adc Sum Th
Entries 878358
292179
331534
147000
107645
East
West

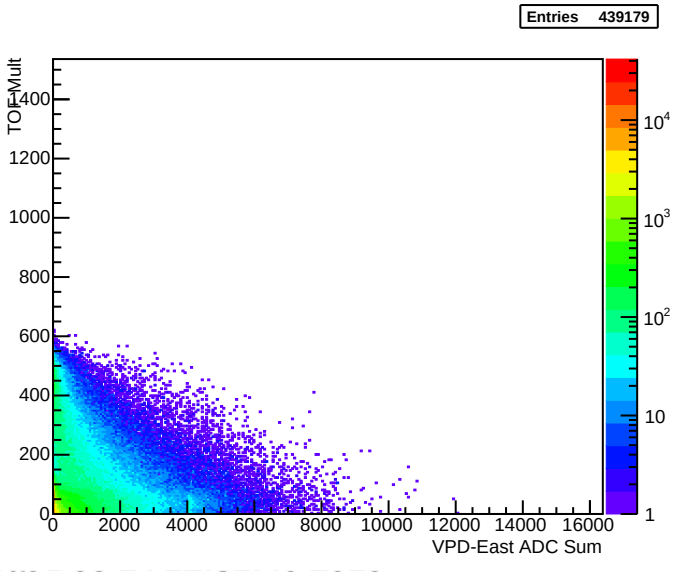

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

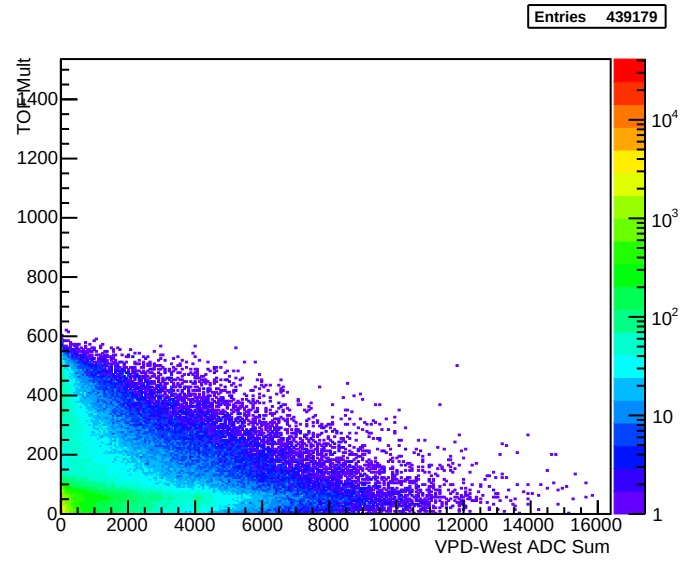

Entries 439179
TOF-Mult
BBC-S-East ADC Sum

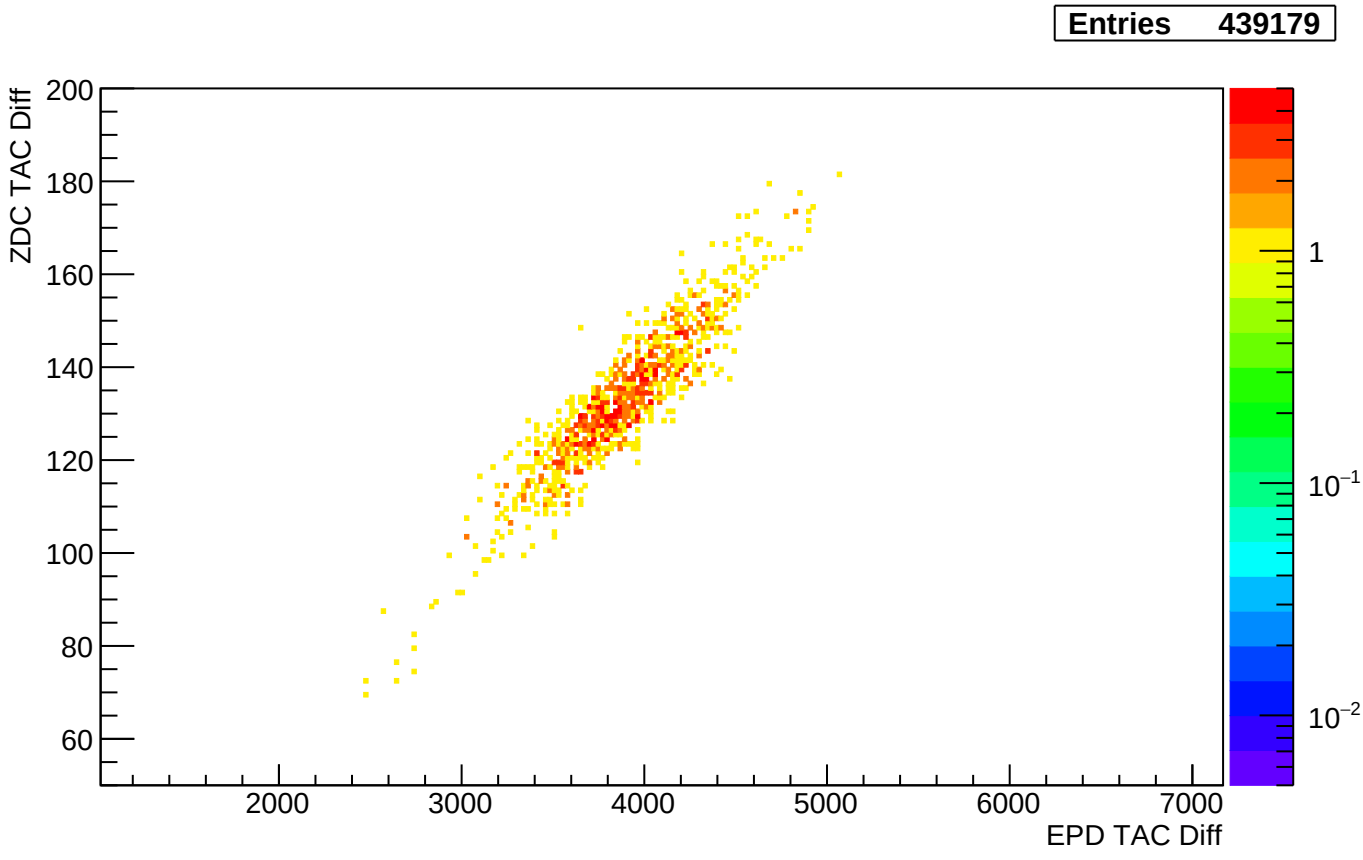

Entries 439179
TOF-Mult
BBC-S-West ADC Sum

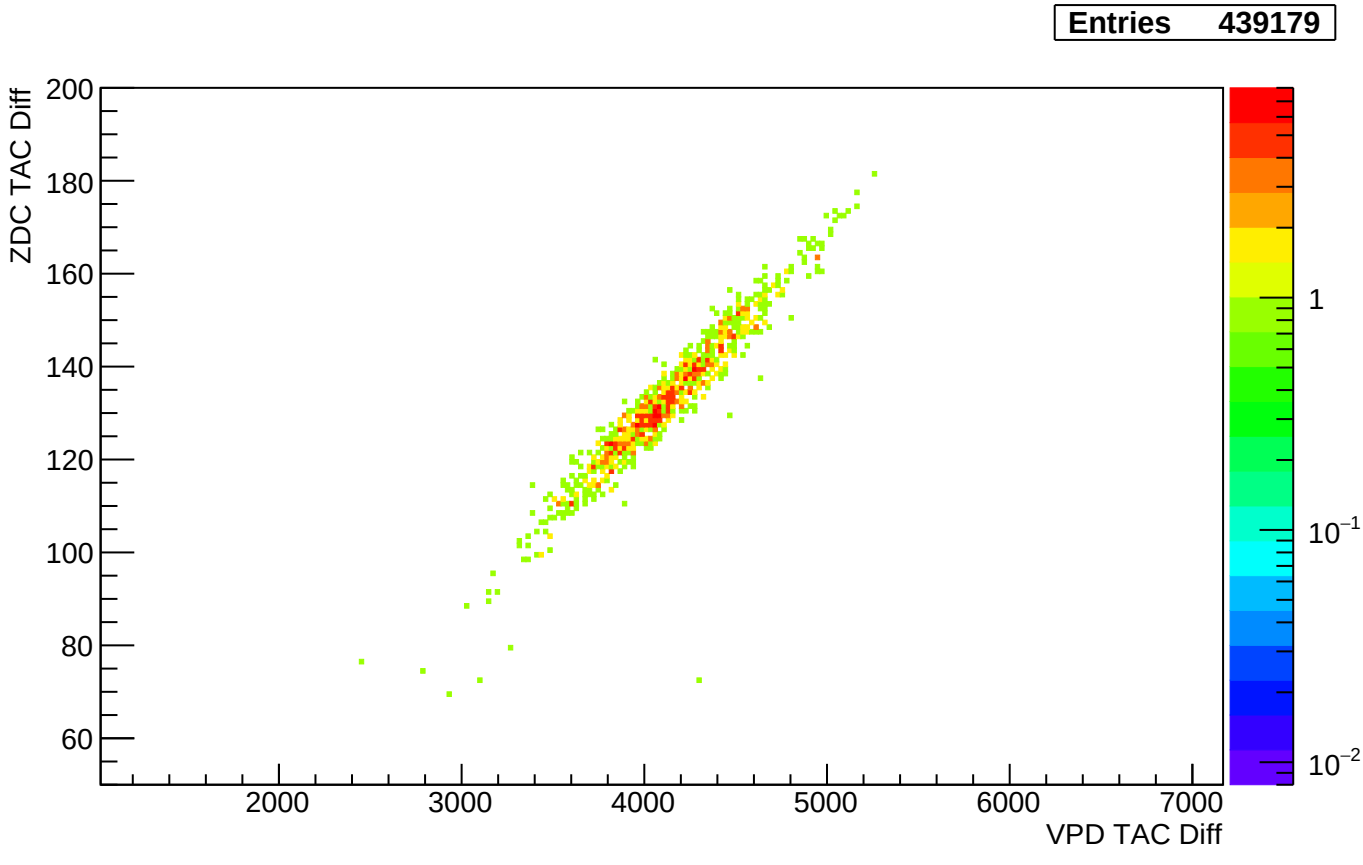

Entries 439179
TOF-Mult
EPD-East Hit Cnt

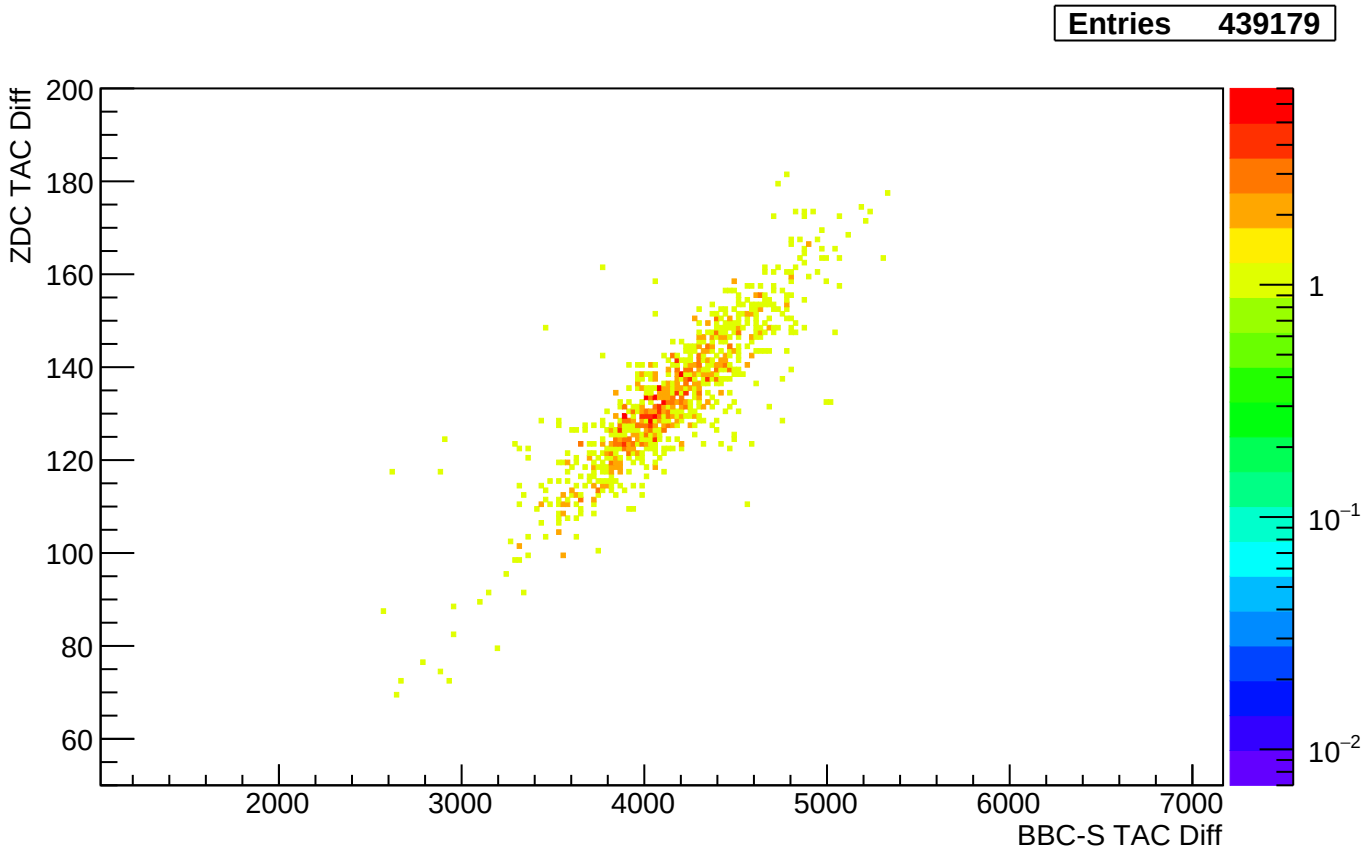

Entries 439179
TOF-Mult
EPD-West Hit Cnt

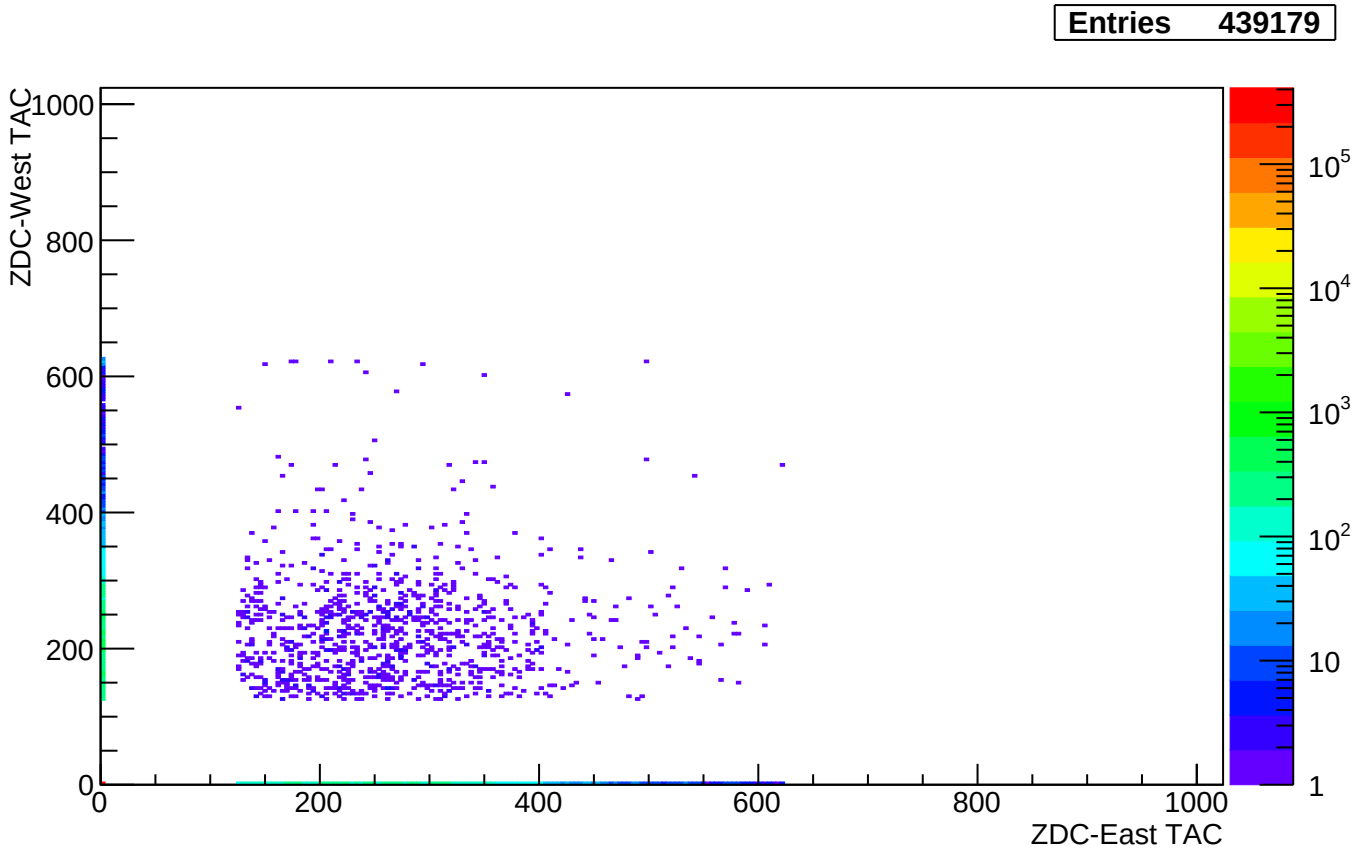

Entries 439179
TOF-Mult
VPD-East ADC Sum

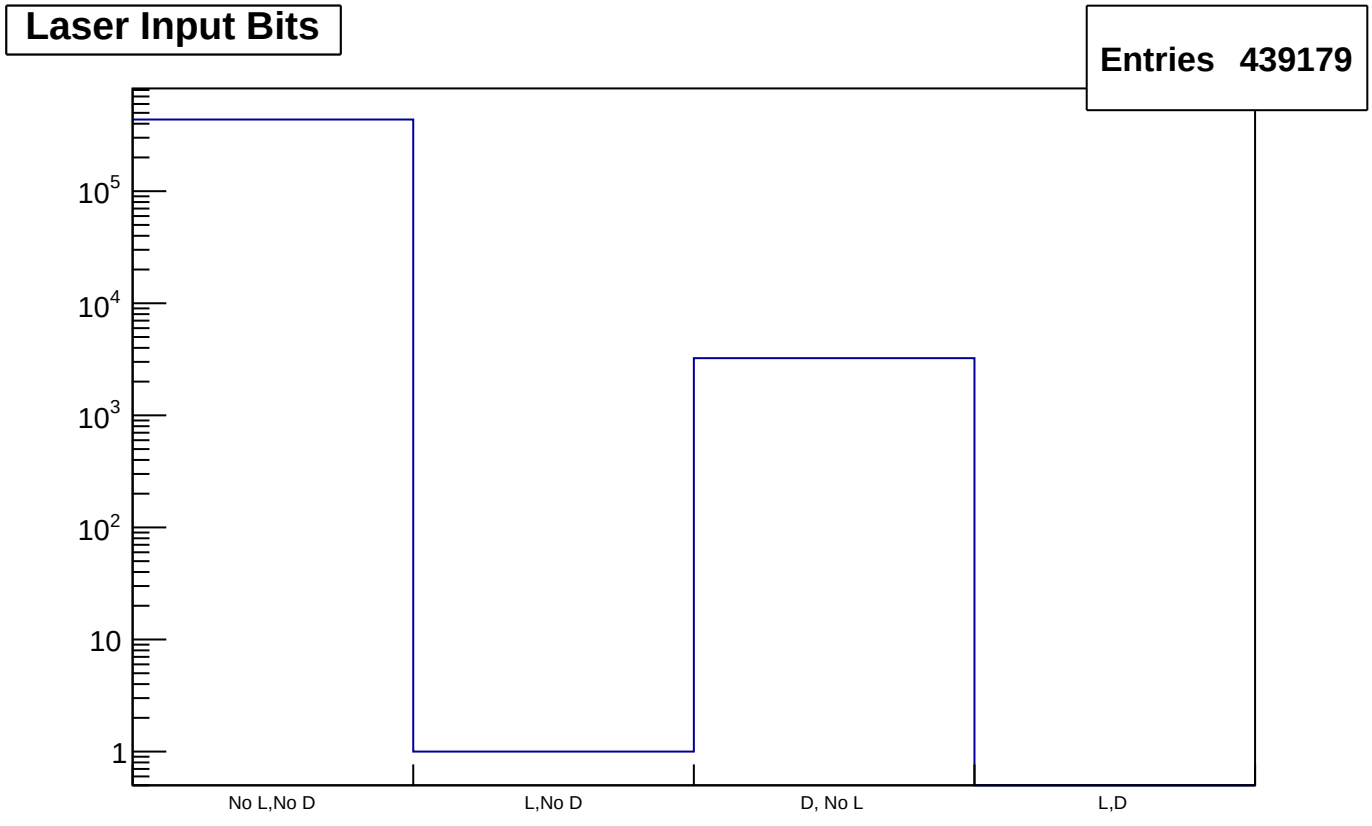

Entries 439179
TOF-Mult
VPD-West ADC Sum

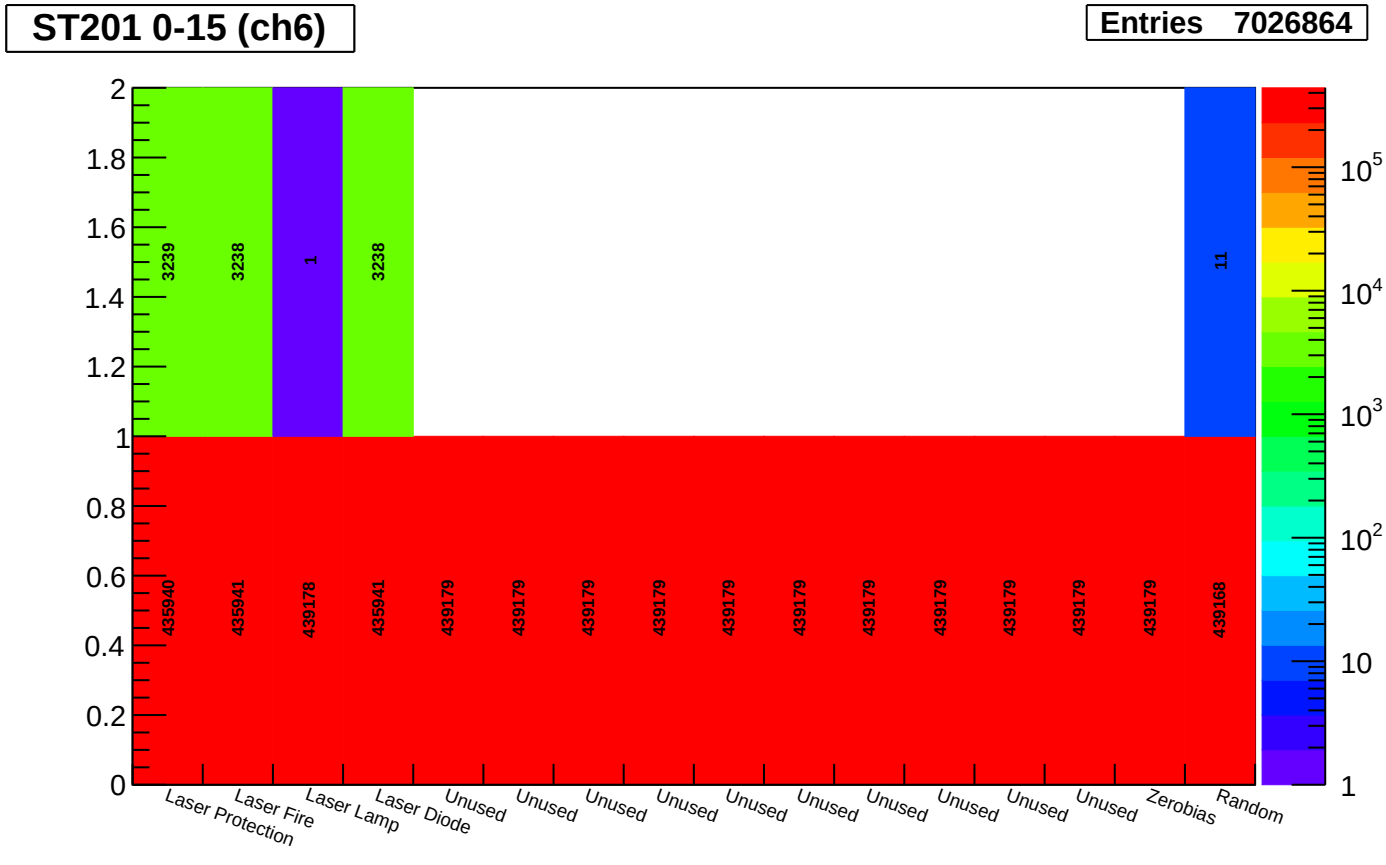

Entries 439179
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
$10^{-1}$
$10^{-2}$


Entries 439179
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 439179
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
$10^{-1}$
$10^{-2}$

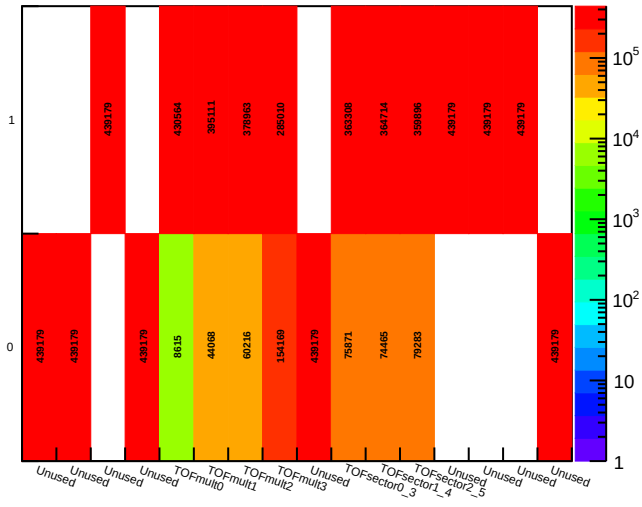

Entries 439179
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
$10^5$
$10^4$
$10^3$
$10^2$
10
1


Laser Input Bits
Entries 439179
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D


ST201 0-15 (ch6)
Entries 7026864
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3239
3238
1
3238
11
435940
435941
439178
435941
439179
439179
439179
439179
439179
439179
439179
439179
439179
439179
439179
439168
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

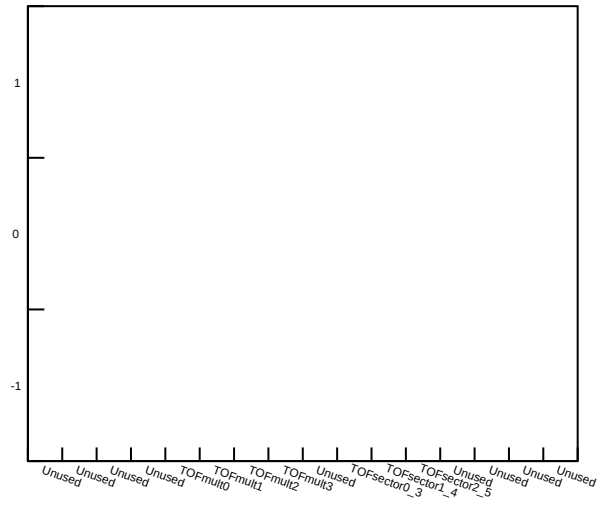
## TF201 0-15 (ch0)

Entries 7026864



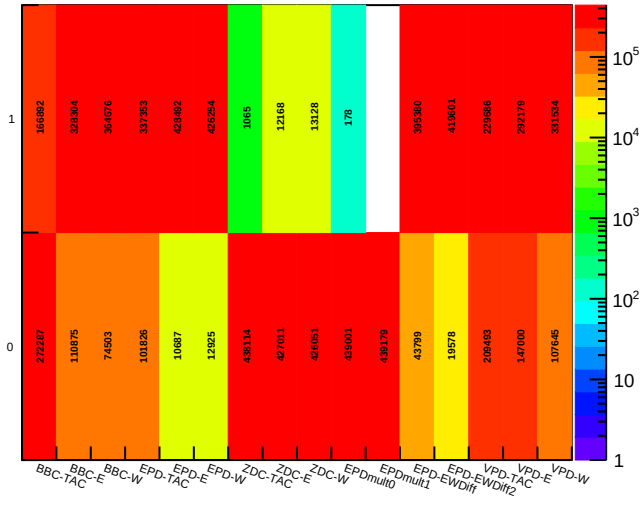

## TF201 0-15 (ch0)

Entries 0



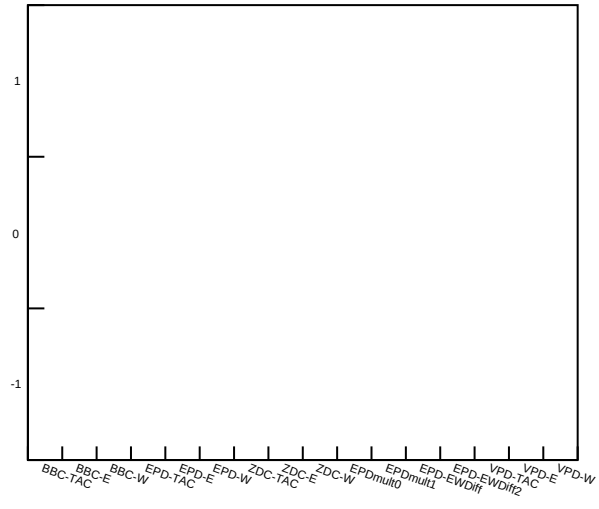

## VT201 0-15 (ch1)

Entries 7026864



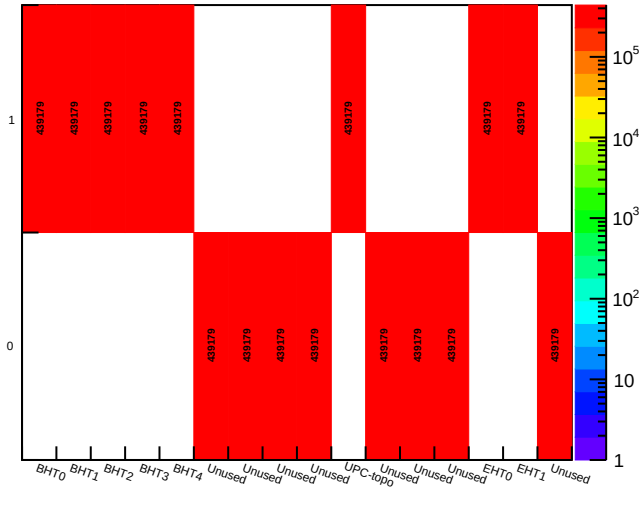

## VT201 0-15 (ch1)

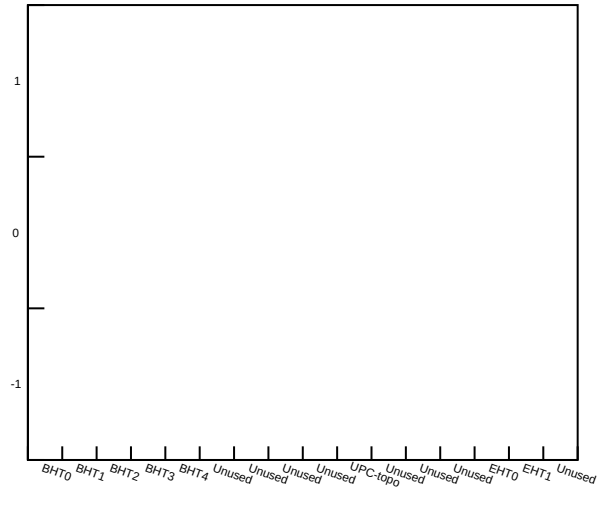
Entries 0




## EM201 0-15 (ch3)

Entries 7026864




## EM201 0-15 (ch3)

Entries 0