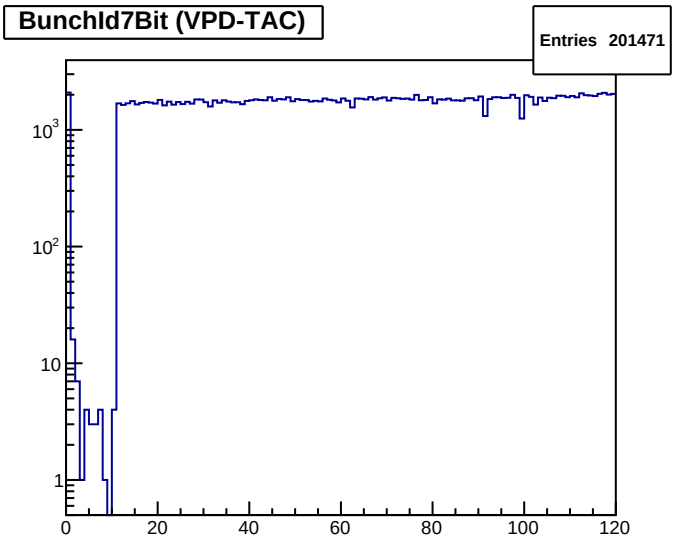
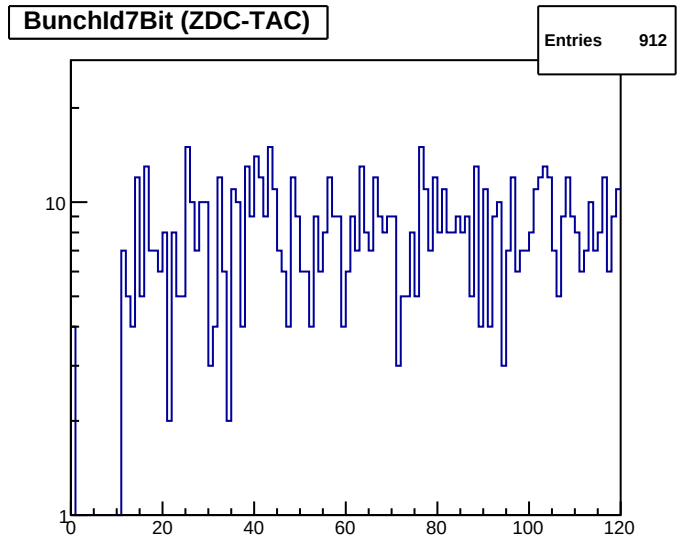
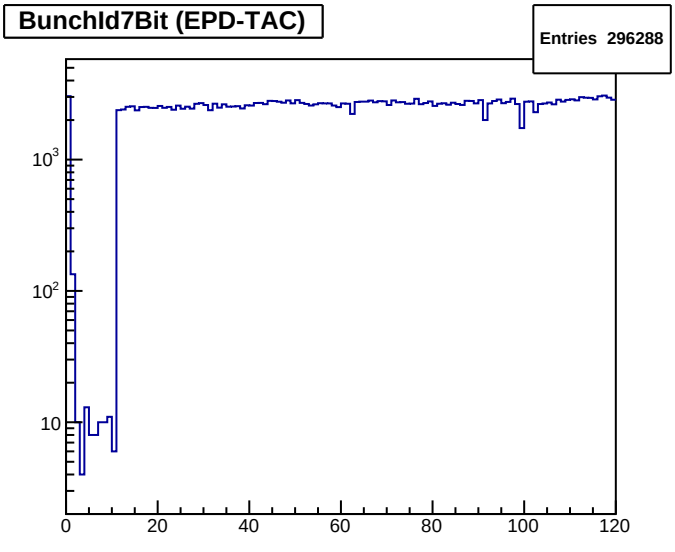
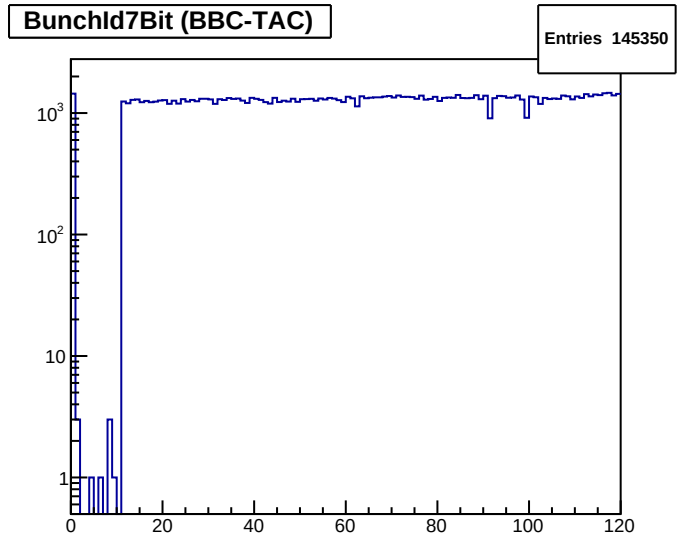
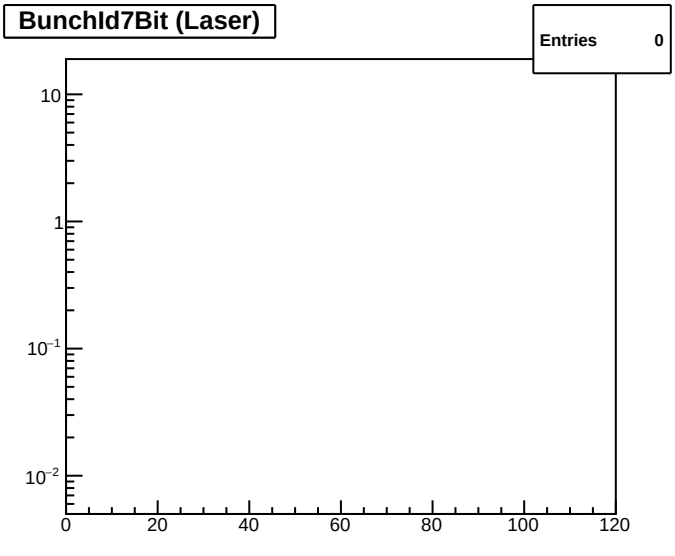
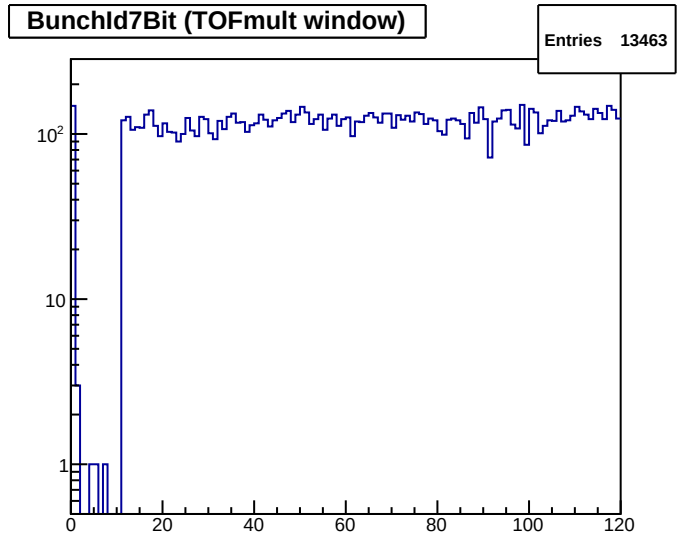

BunchId7Bit (VPD-TAC)
Entries 201471

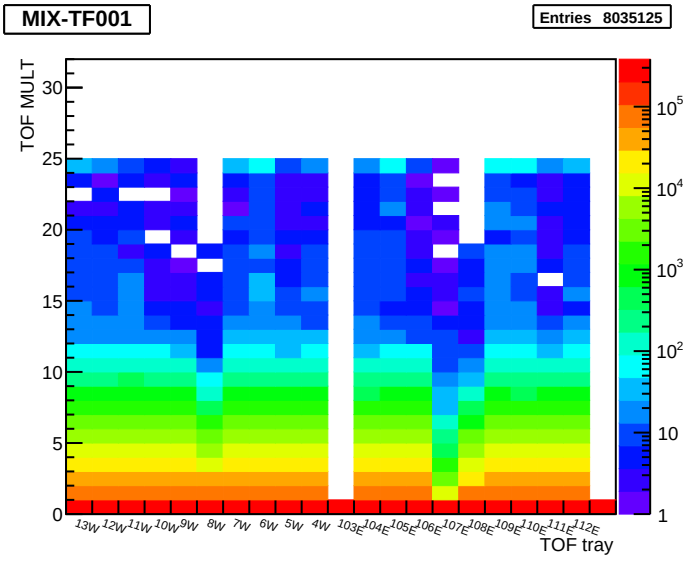

BunchId7Bit (ZDC-TAC)
Entries 912

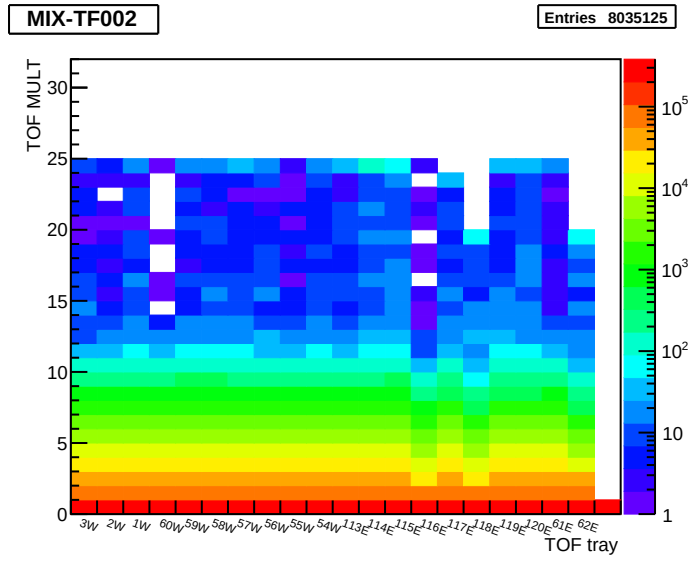

BunchId7Bit (EPD-TAC)
Entries 296288

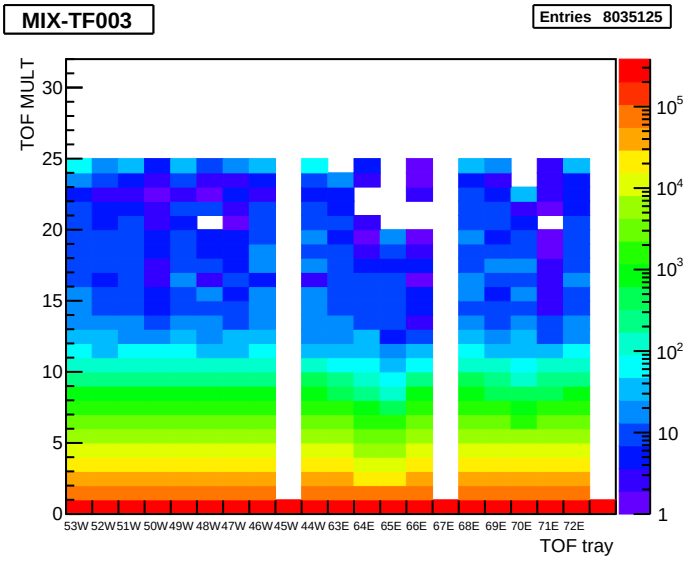

BunchId7Bit (BBC-TAC)
Entries 145350

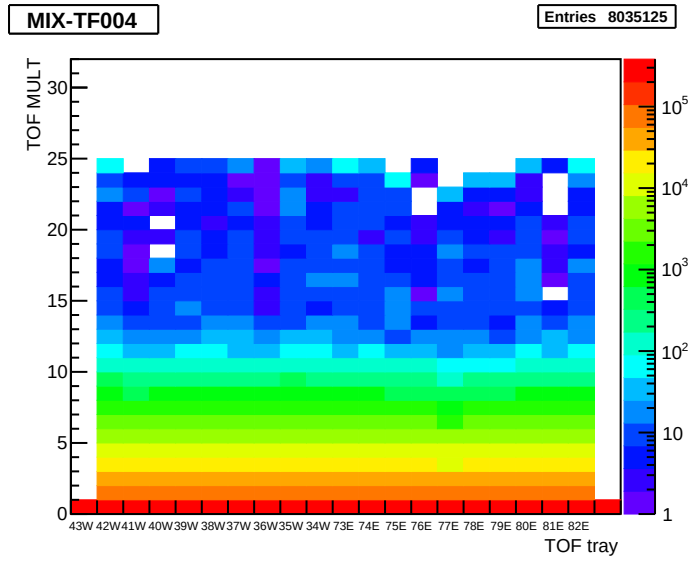

BunchId7Bit (Laser)
Entries 0

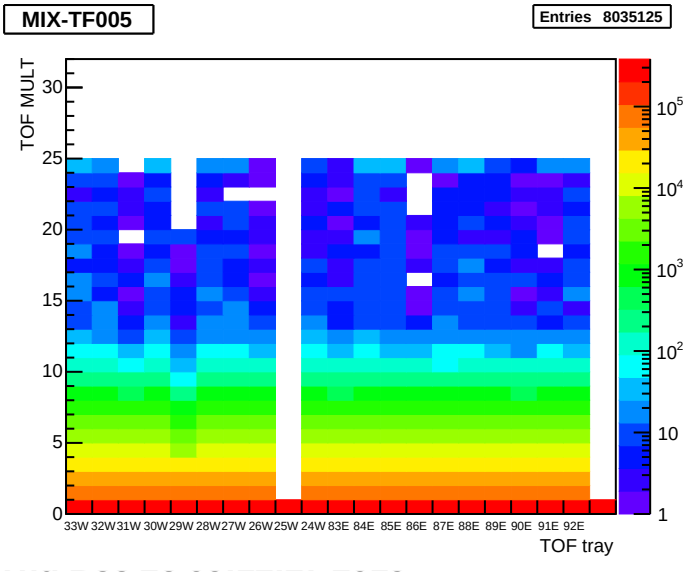

BunchId7Bit (TOFmult window)
Entries 13463

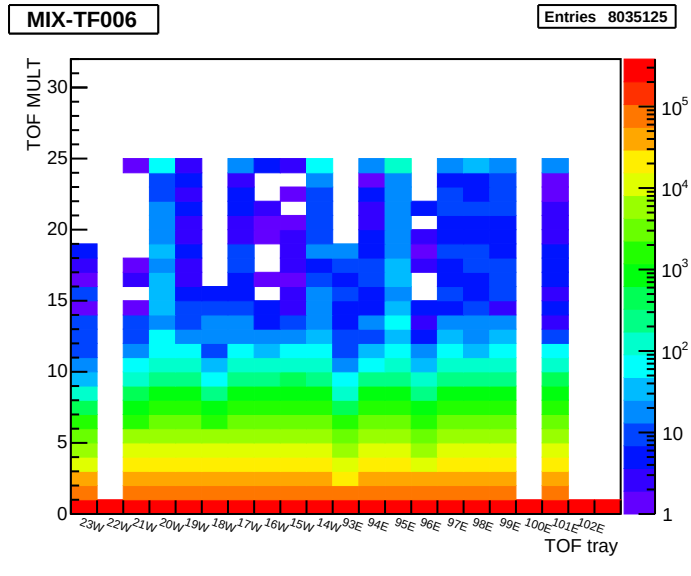

MIX-TF001
Entries 8035125
TOF MULT
TOF tray

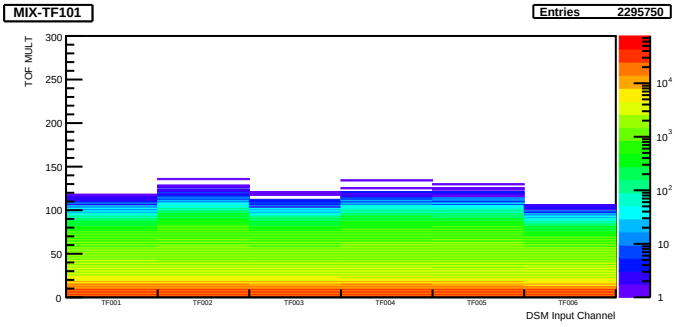

MIX-TF002
Entries 8035125
TOF MULT
TOF tray

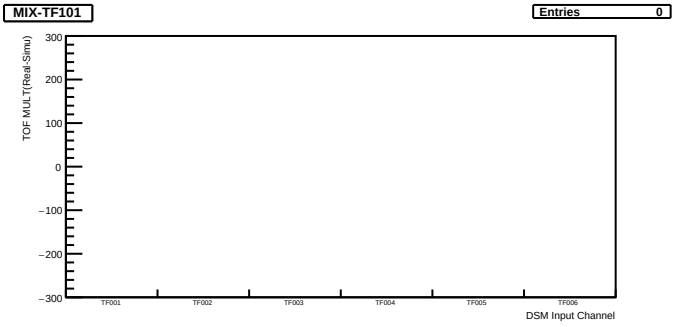

MIX-TF003
Entries 8035125
TOF MULT
TOF tray

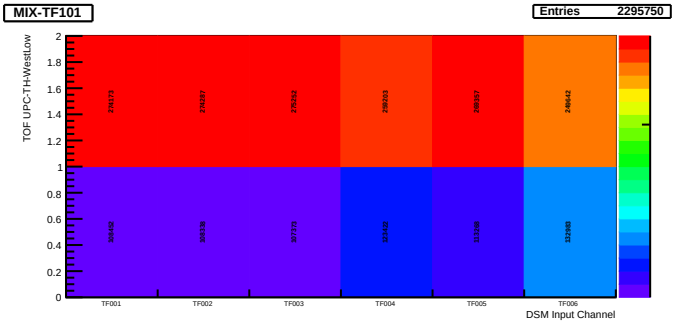

MIX-TF004
Entries 8035125
TOF MULT
TOF tray

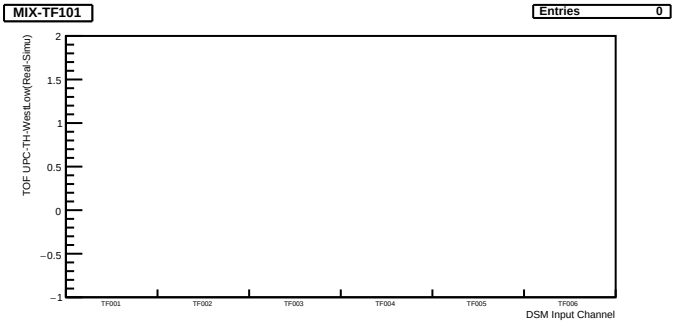

MIX-TF005
Entries 8035125
TOF MULT
TOF tray

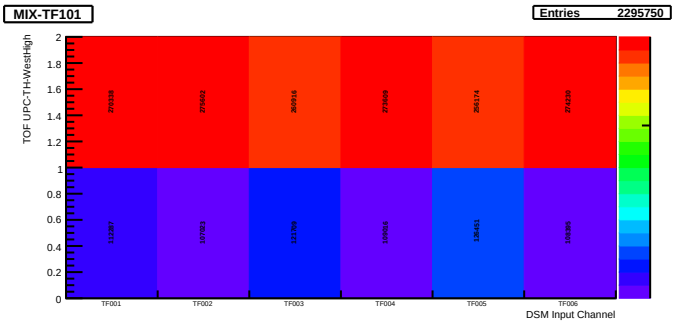

MIX-TF006
Entries 8035125
TOF MULT
TOF tray

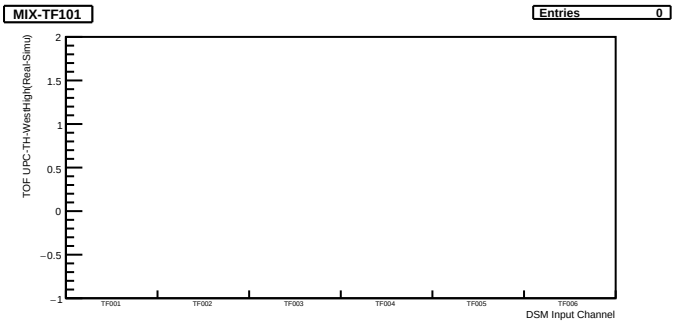

MIX-TF101
Entries 2295750
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

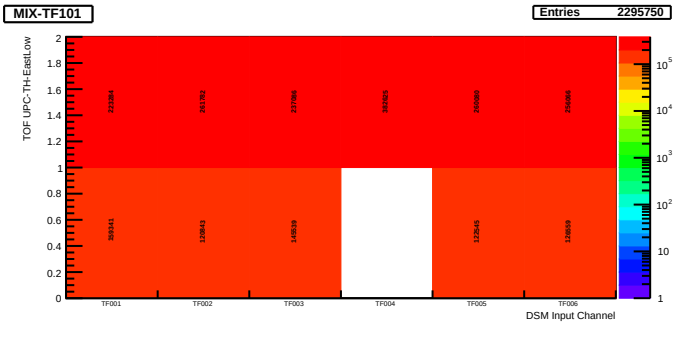

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

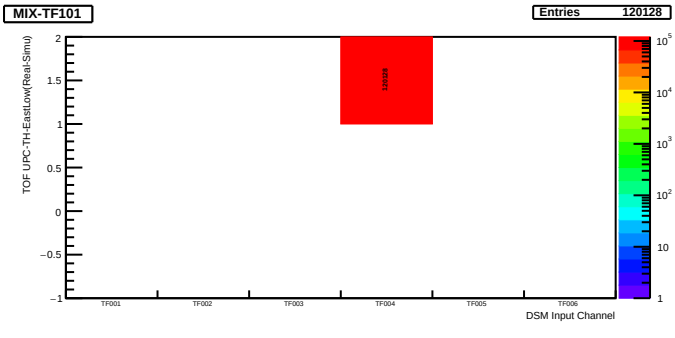

MIX-TF101
Entries 2295750
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

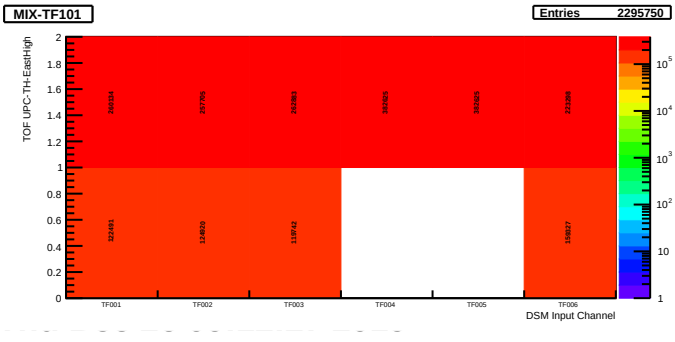

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

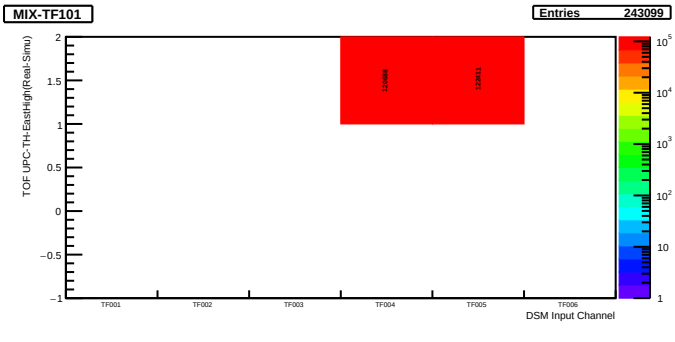

MIX-TF101
Entries 2295750
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

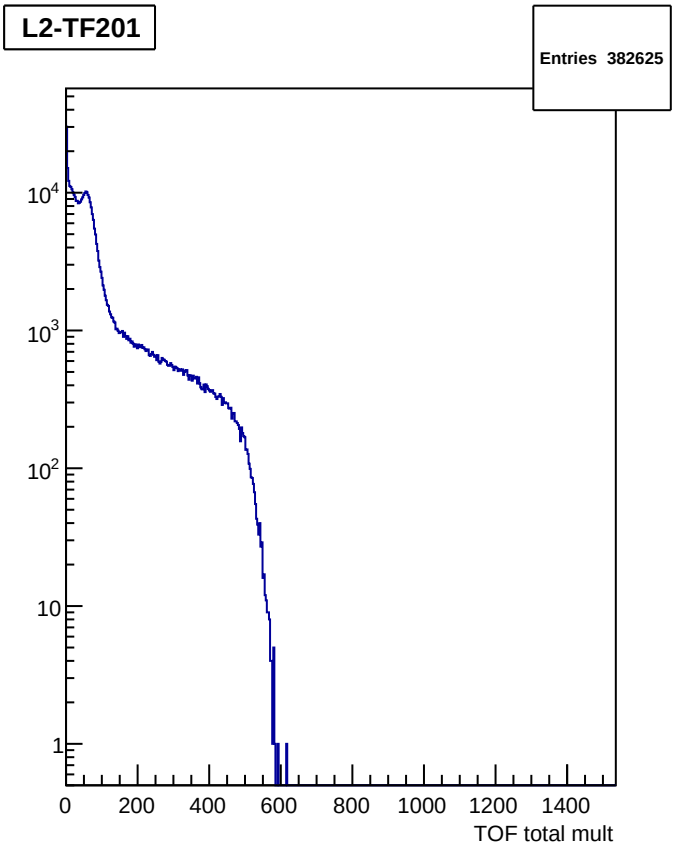

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

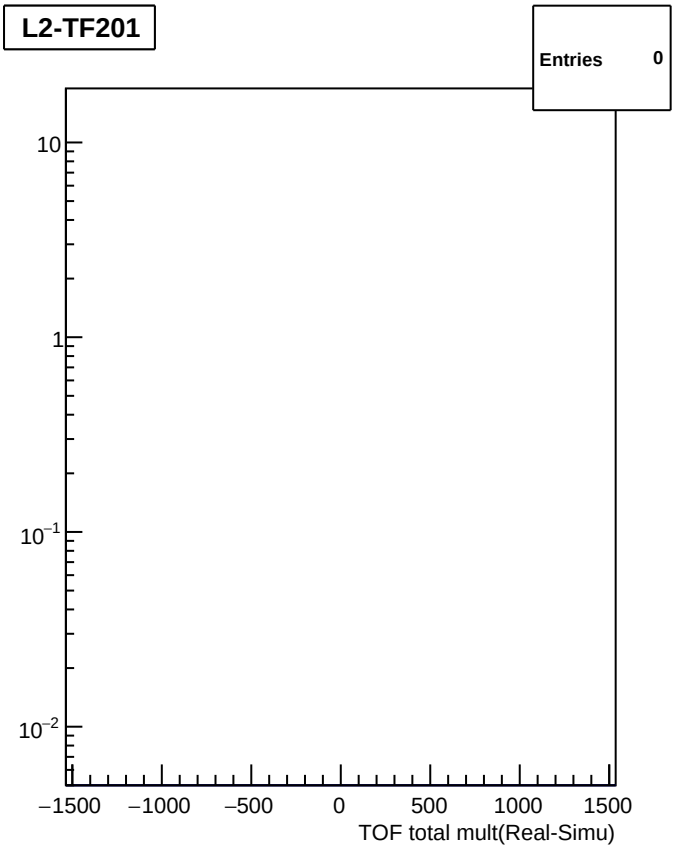

MIX-TF101
Entries 2295750
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

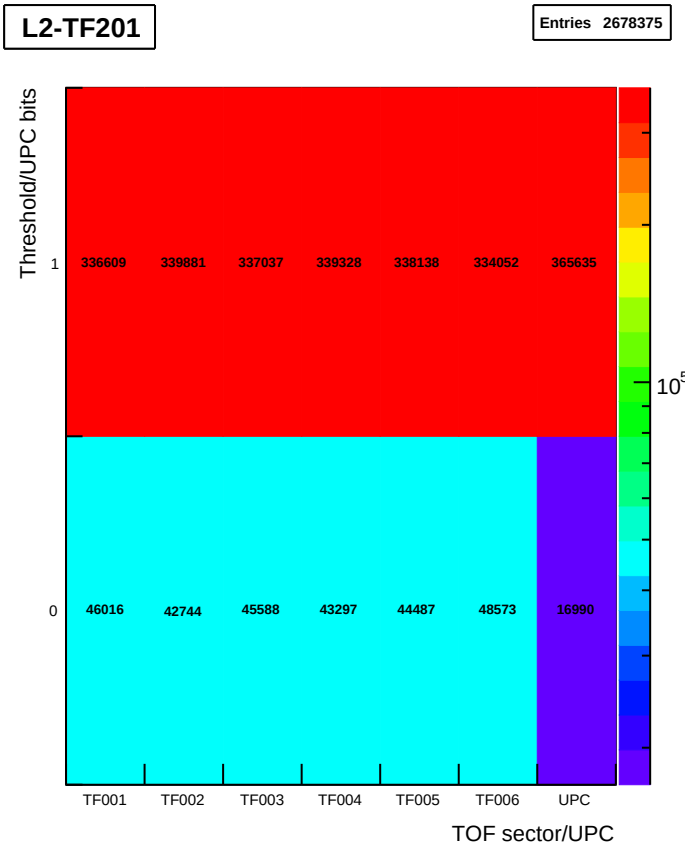

MIX-TF101
Entries 120128
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

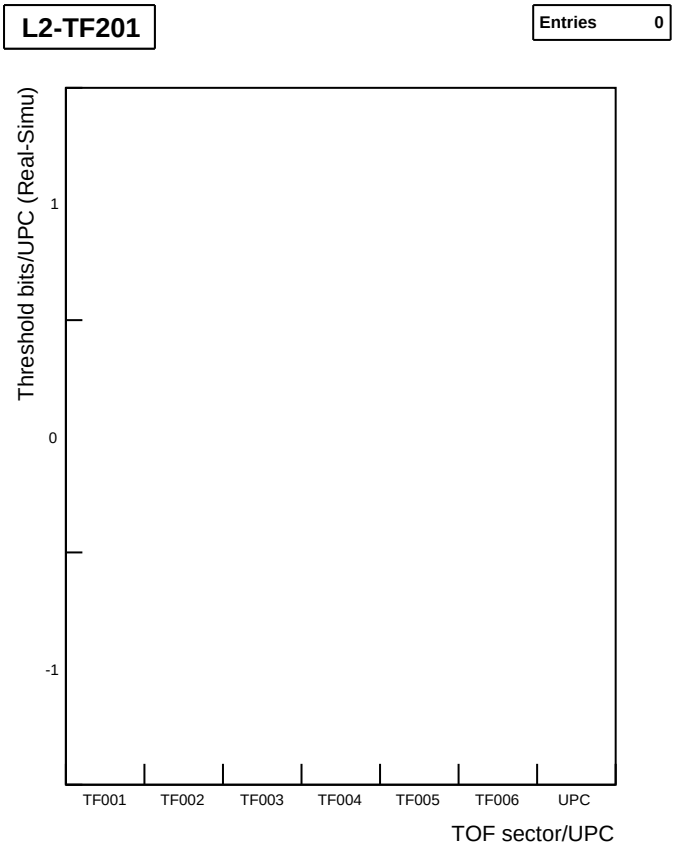

MIX-TF101
Entries 2295750
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

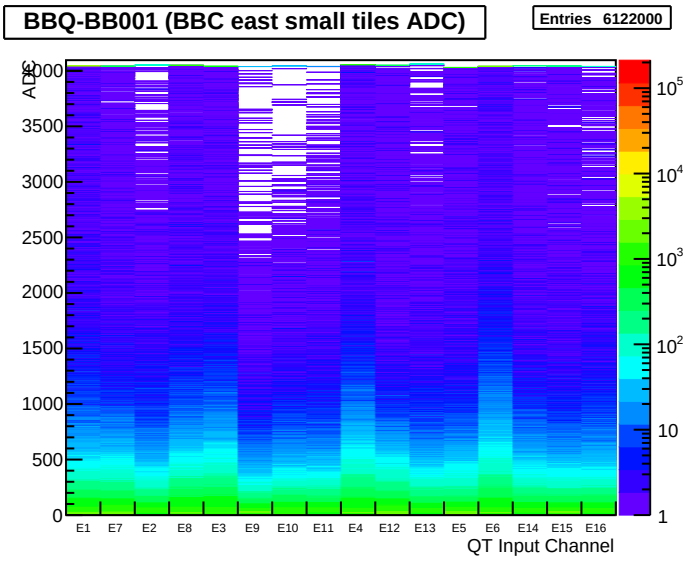

MIX-TF101
Entries 243099
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

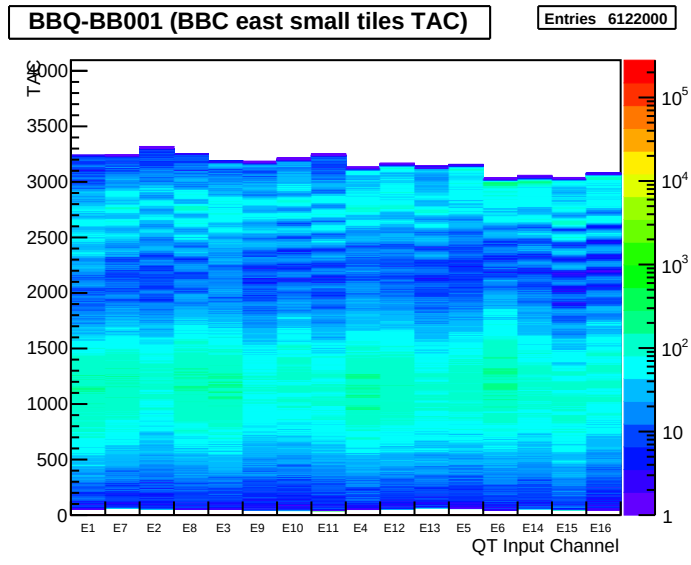

L2-TF201
Entries 382625
TOF total mult

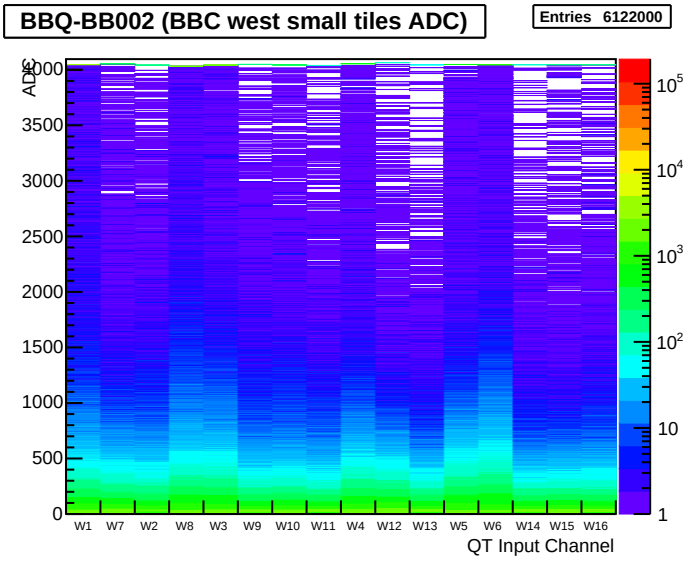

L2-TF201
Entries 0
TOF total mult(Real-Simu)

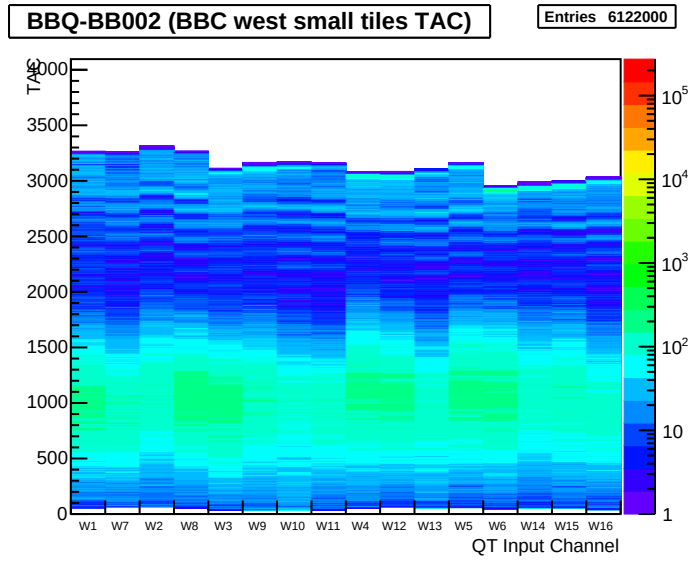

L2-TF201
Entries 2678375
Threshold/UPC bits
336609 339881 337037 339328 338138 334052 365635
46016 42744 45588 43297 44487 48573 16990
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

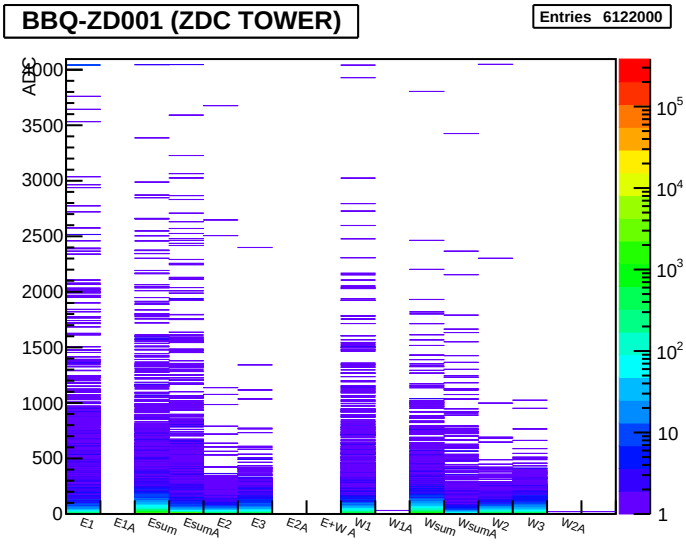

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

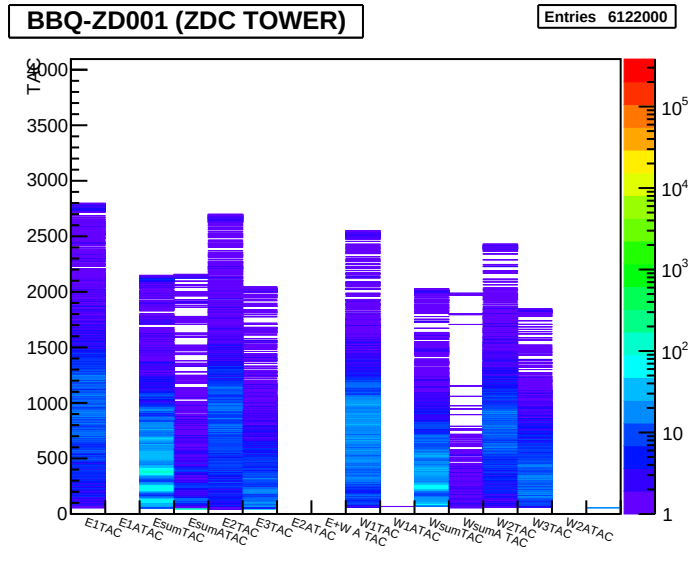

BBQ-BB001 (BBC east small tiles ADC)
Entries 6122000
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

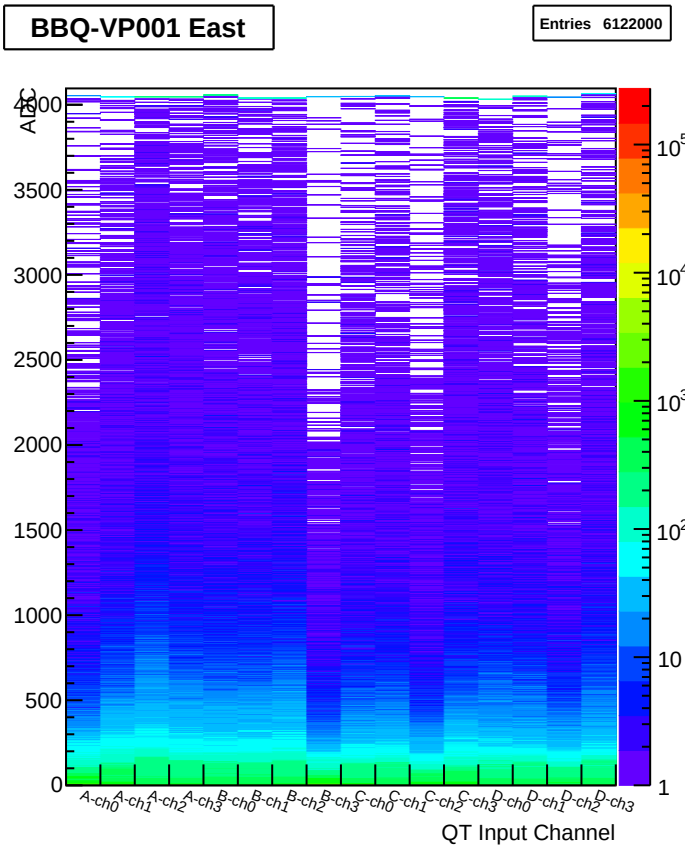

BBQ-BB001 (BBC east small tiles TAC)
Entries 6122000
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

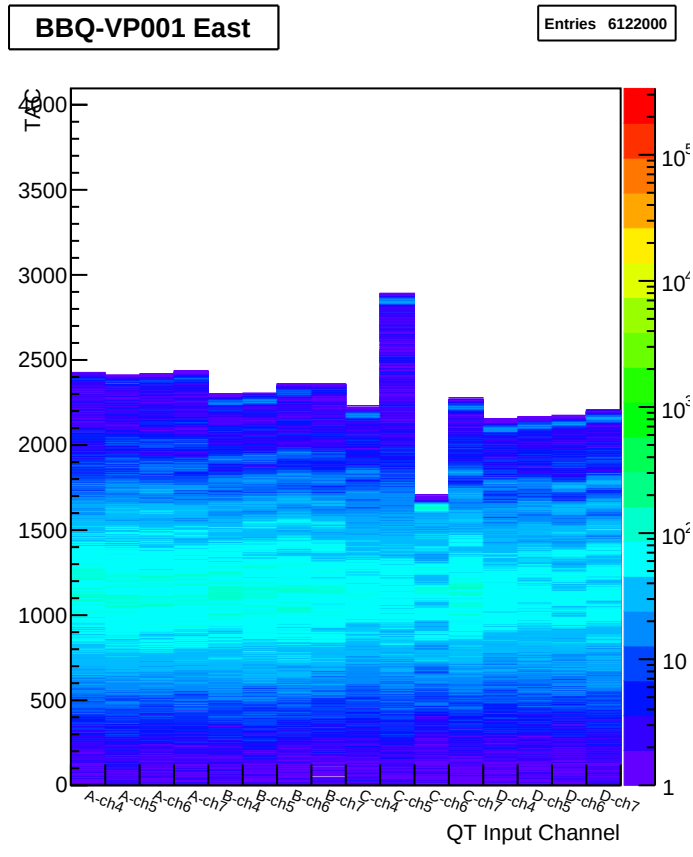

BBQ-BB002 (BBC west small tiles ADC)
Entries 6122000
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

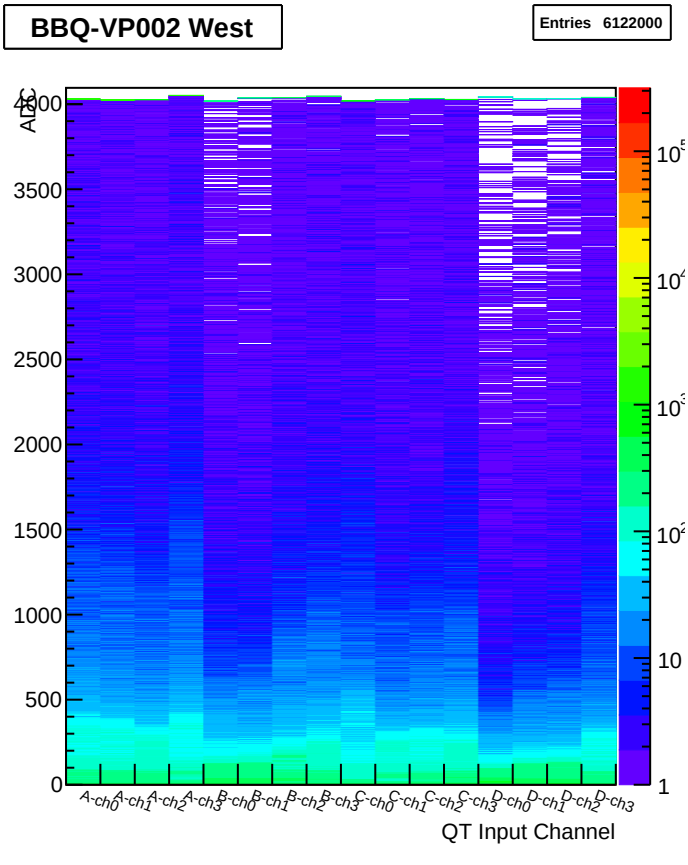

BBQ-BB002 (BBC west small tiles TAC)
Entries 6122000
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

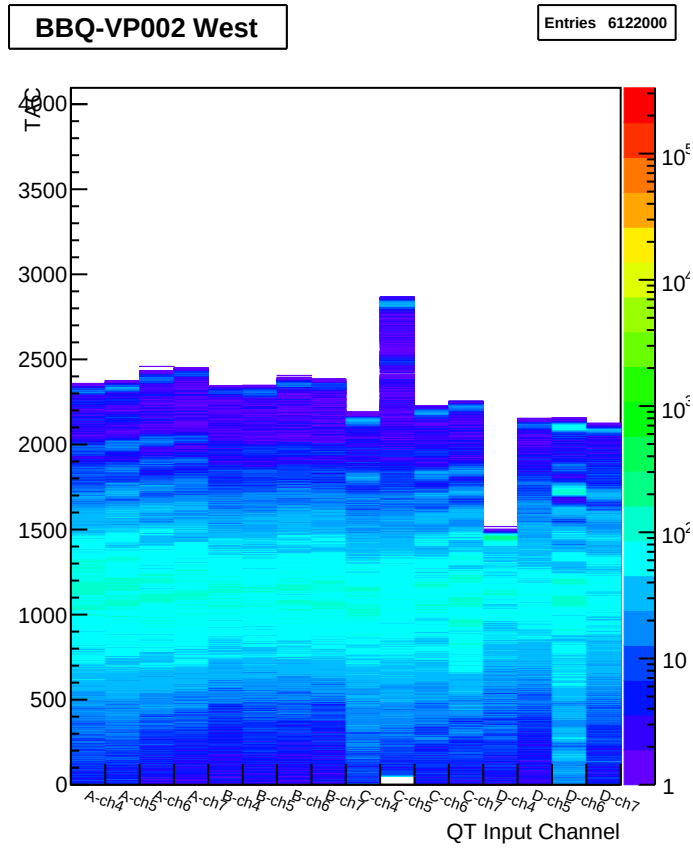

BBQ-ZD001 (ZDC TOWER)
Entries 6122000
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

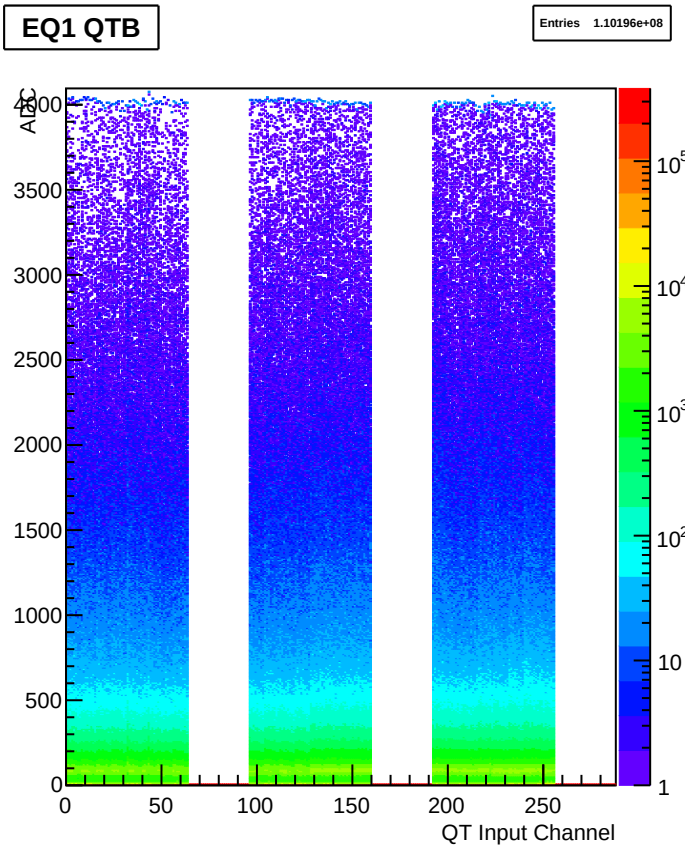

BBQ-ZD001 (ZDC TOWER)
Entries 6122000
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

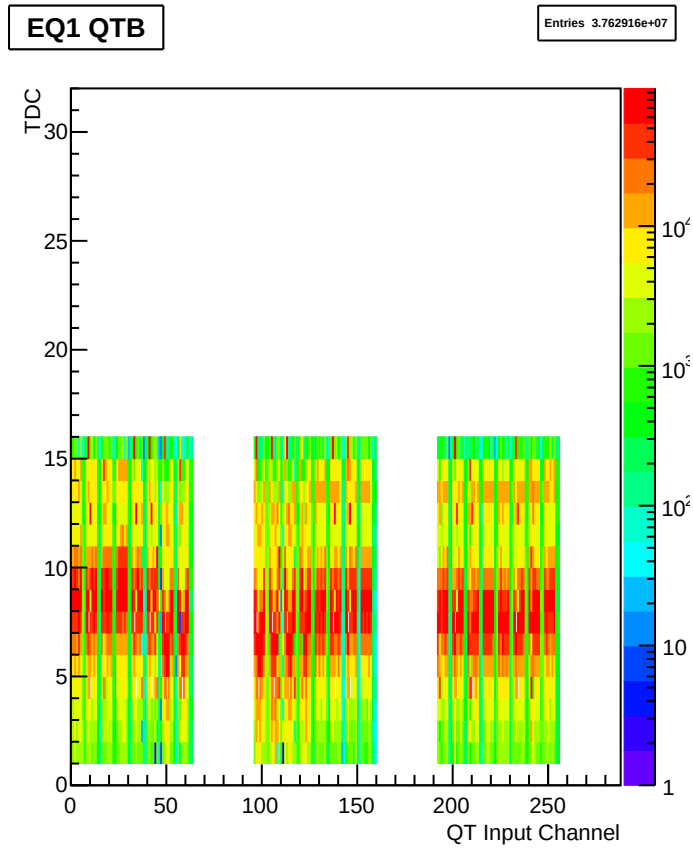

BBQ-VP001 East
Entries 6122000
ADC
QT Input Channel

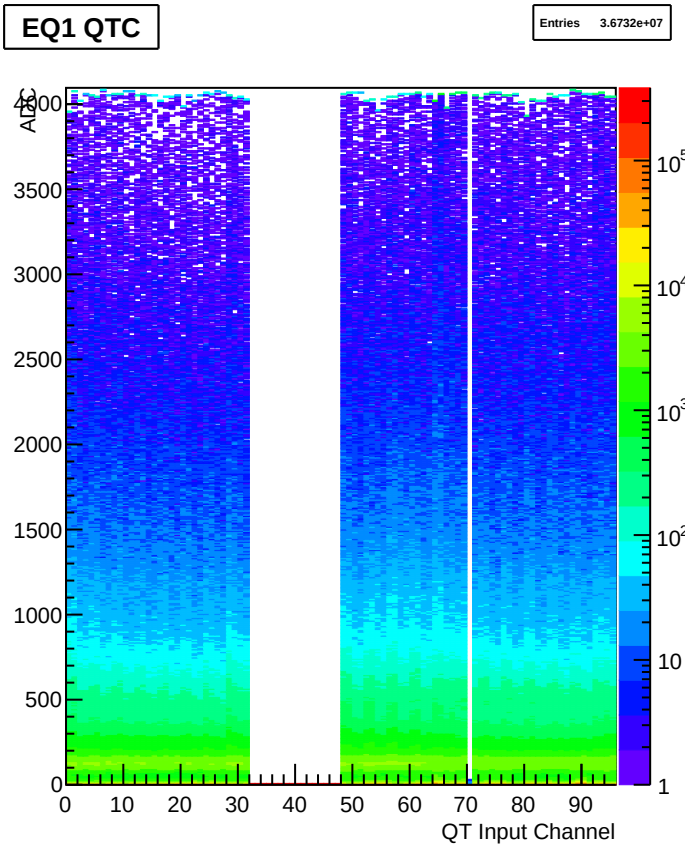

BBQ-VP001 East
Entries 6122000
TADC
QT Input Channel

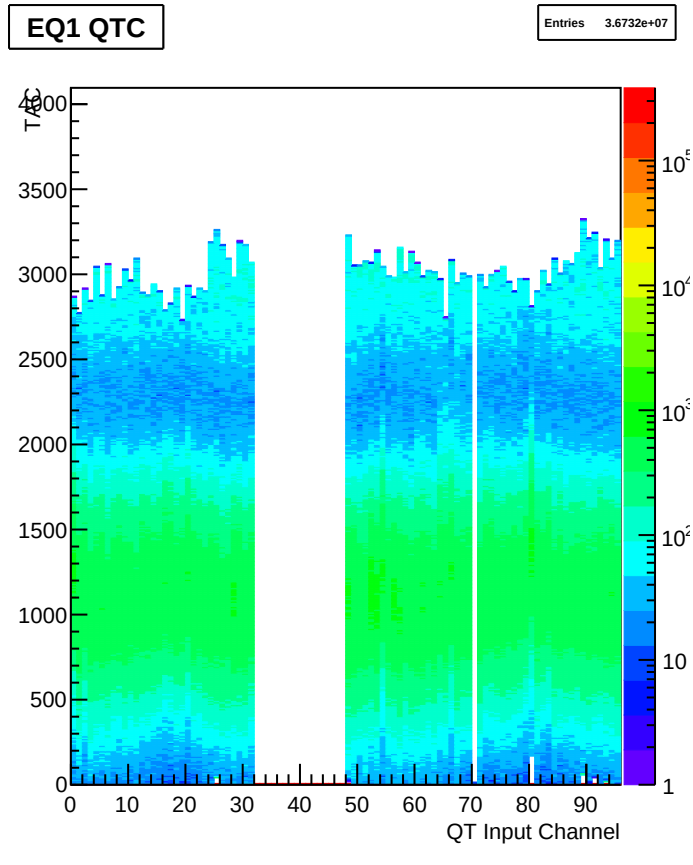

BBQ-VP002 West
Entries 6122000
ADC
QT Input Channel

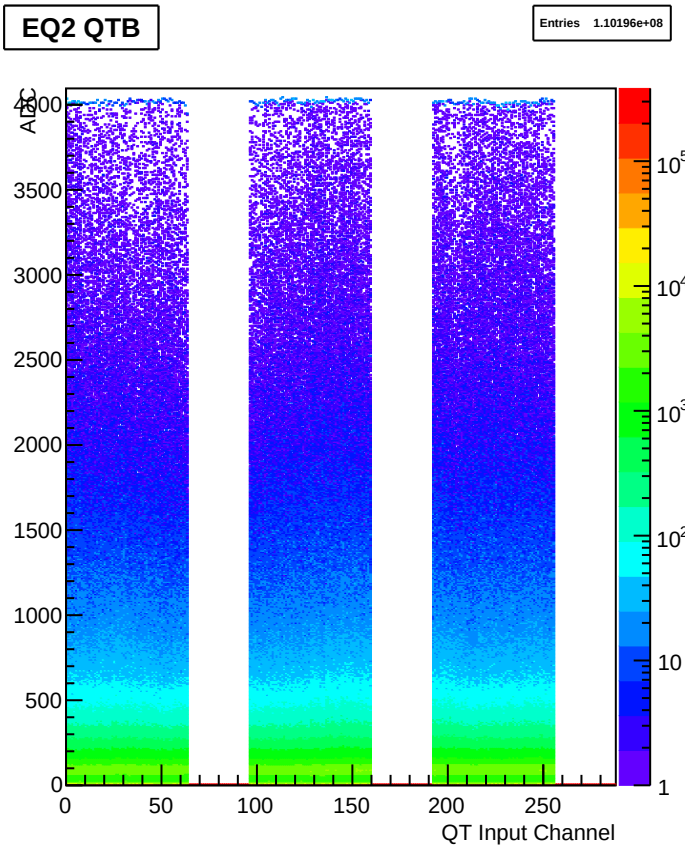

BBQ-VP002 West
Entries 6122000
TADC
QT Input Channel

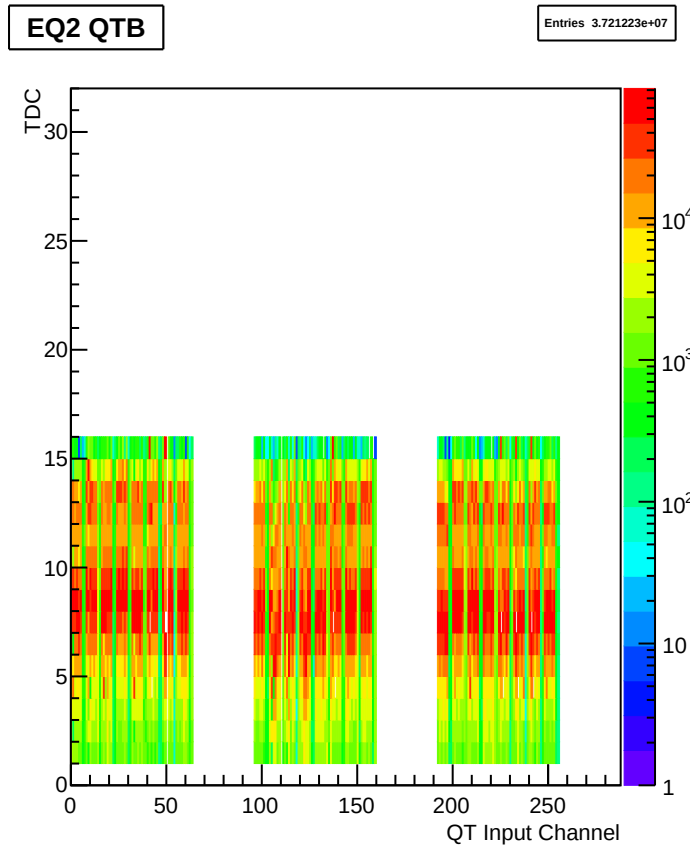

EQ1 QTB
Entries 1.10196e+08
ADC
QT Input Channel

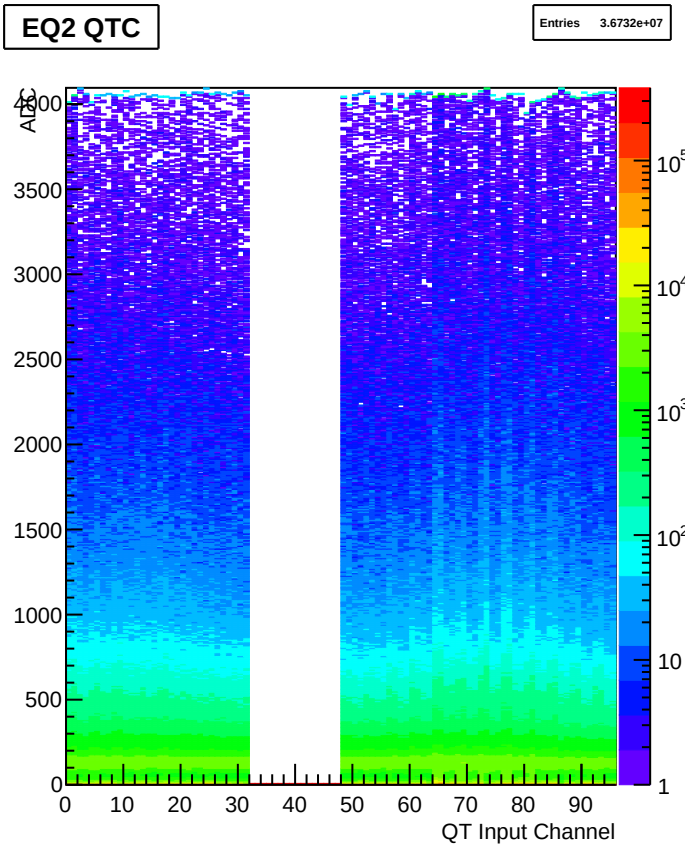

EQ1 QTB
Entries 3.762916e+07
TDC
QT Input Channel

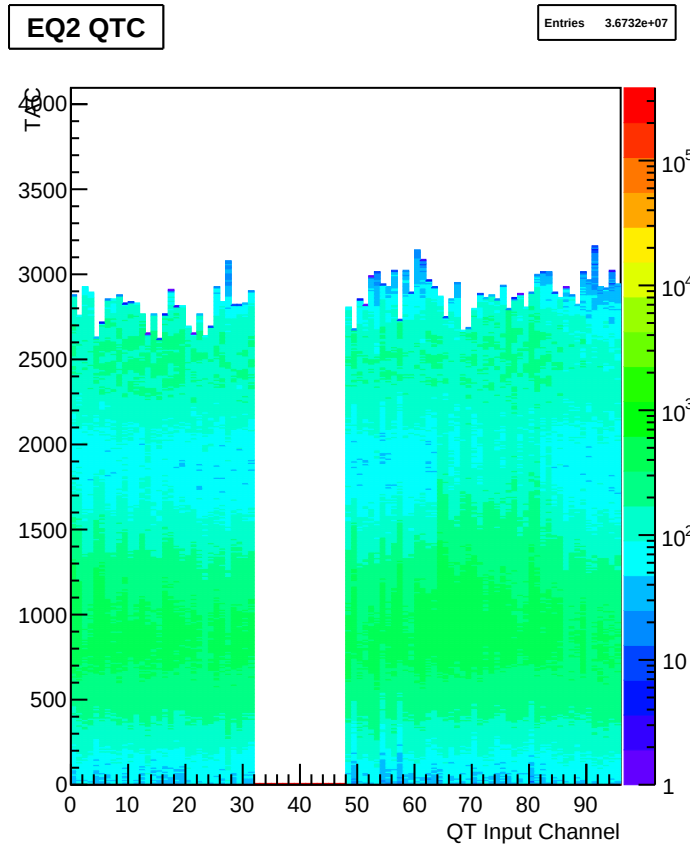

EQ1 QTC
Entries 3.6732e+07
ADC
QT Input Channel

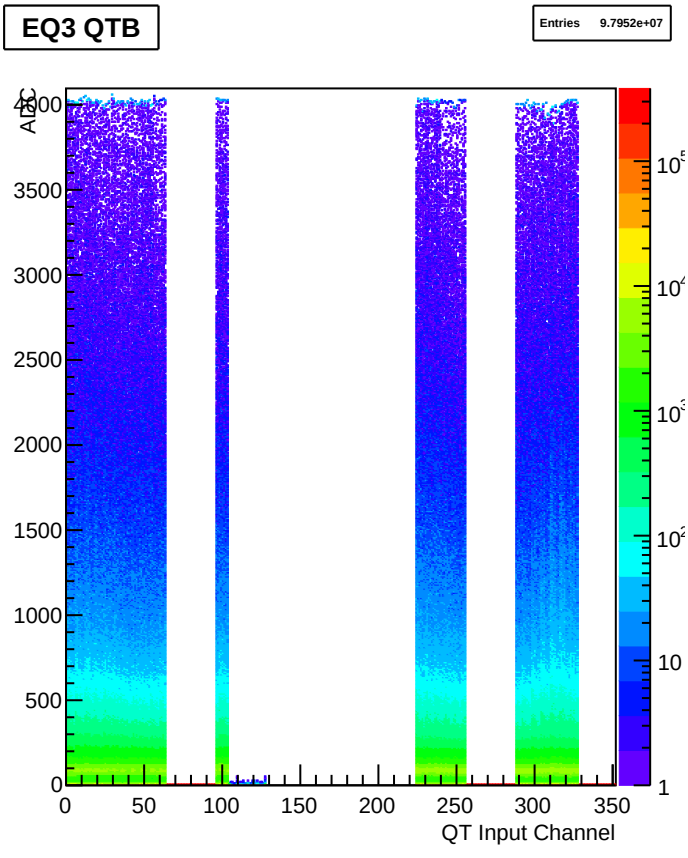

EQ1 QTC
Entries 3.6732e+07
TADC
QT Input Channel

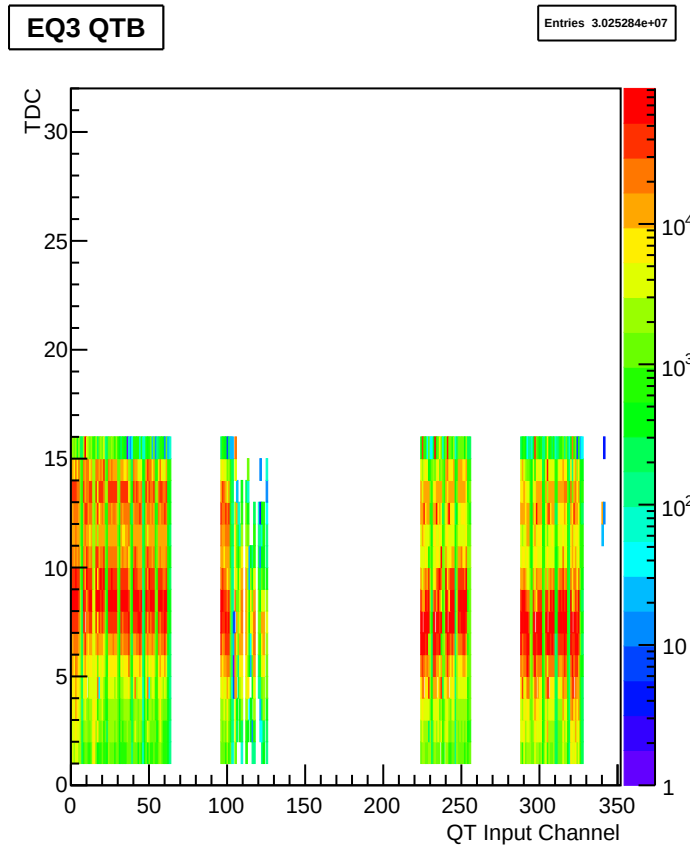

EQ2 QTB
Entries 1.10196e+08
ADC
QT Input Channel

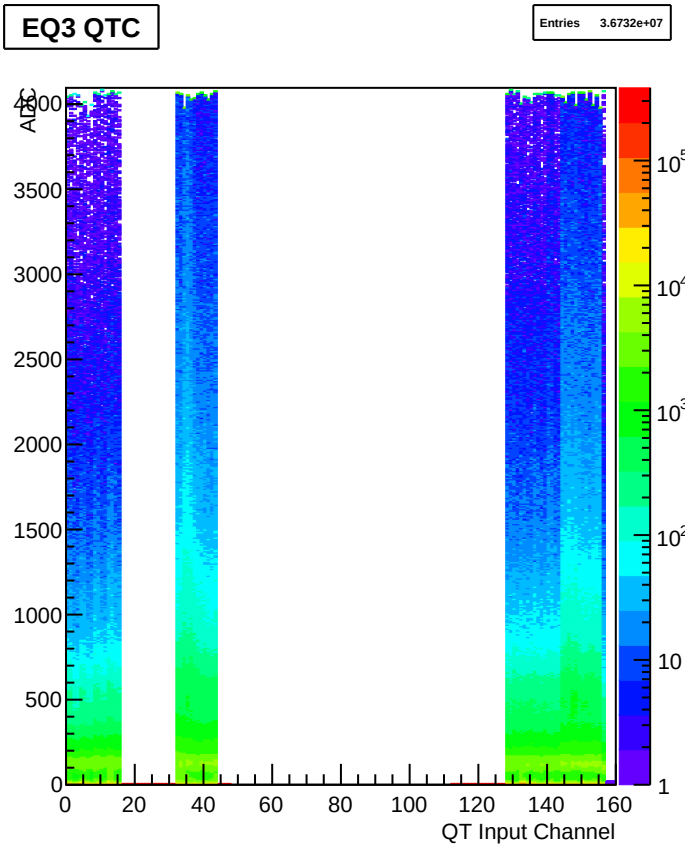

EQ2 QTB
Entries 3.721223e+07
TDC
QT Input Channel

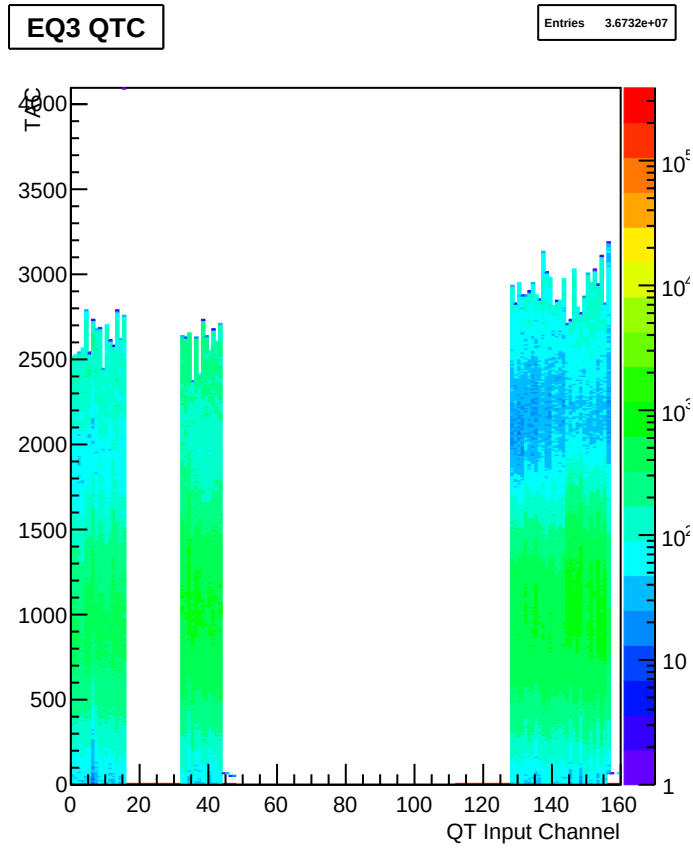

EQ2 QTC
Entries 3.6732e+07
ADC
QT Input Channel

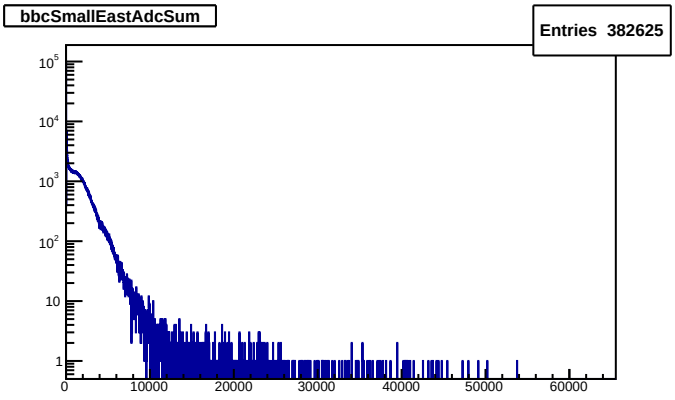

EQ2 QTC
Entries 3.6732e+07
TADC
QT Input Channel

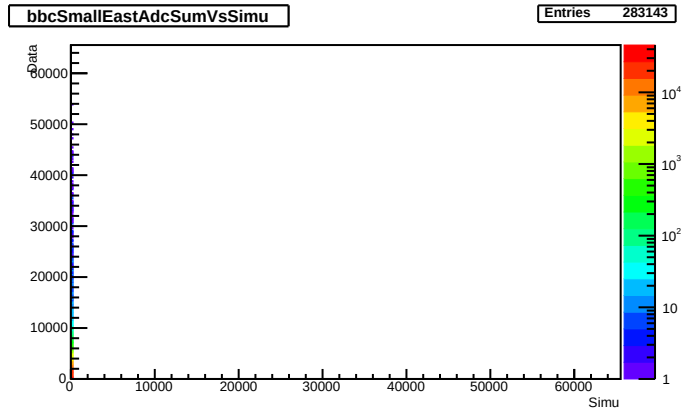

EQ3 QTB
Entries 9.7952e+07
ADC
QT Input Channel

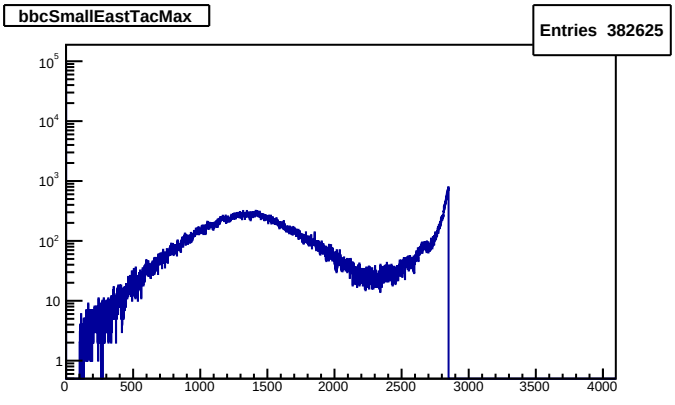

EQ3 QTB
Entries 3.025284e+07
TDC
QT Input Channel

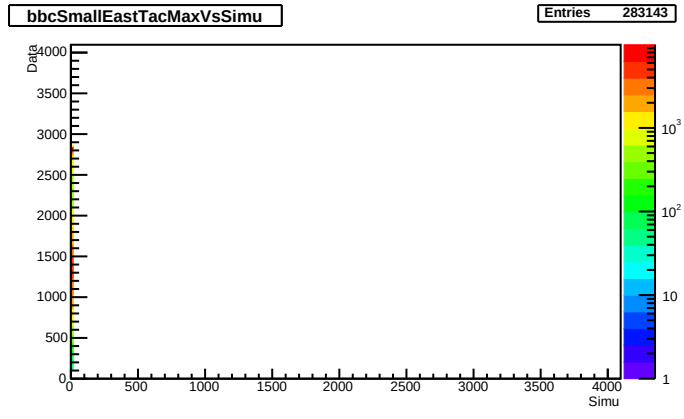

EQ3 QTC
Entries 3.6732e+07
ADC
QT Input Channel

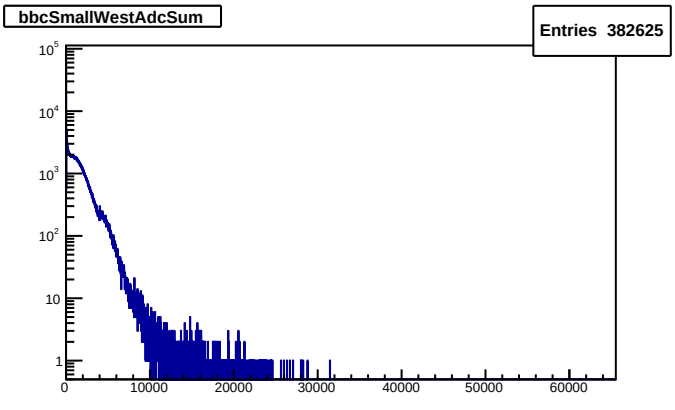

EQ3 QTC
Entries 3.6732e+07
TADC
QT Input Channel

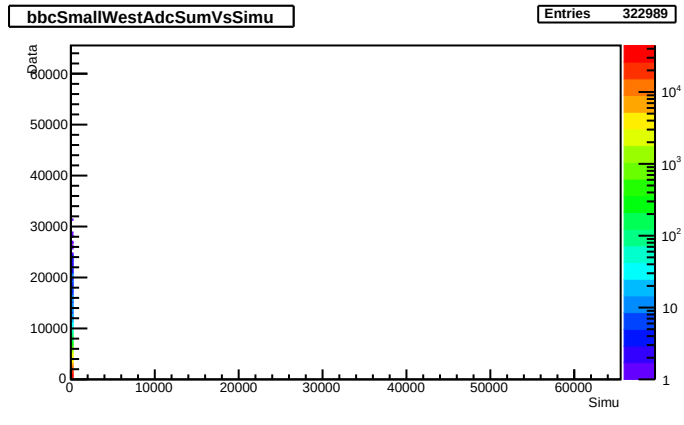

bbcSmallEastAdcSum
Entries 382625

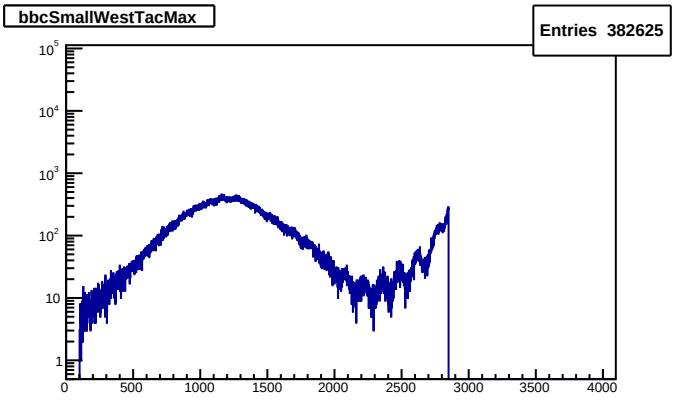

bbcSmallEastAdcSumVsSimu
Entries 283143
Data
Simu

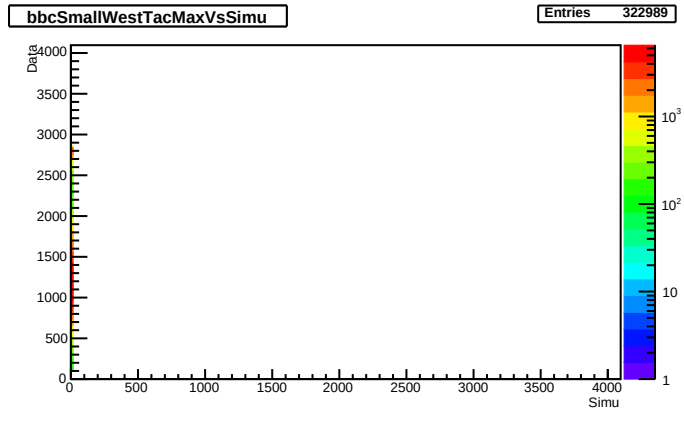

bbcSmallEastTacMax
Entries 382625

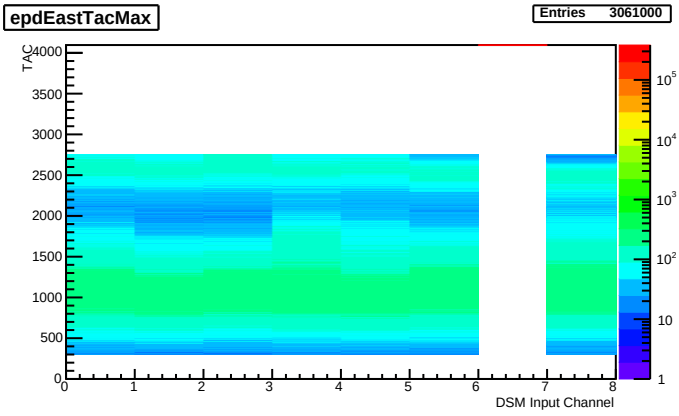

bbcSmallEastTacMaxVsSimu
Entries 283143
Data
Simu

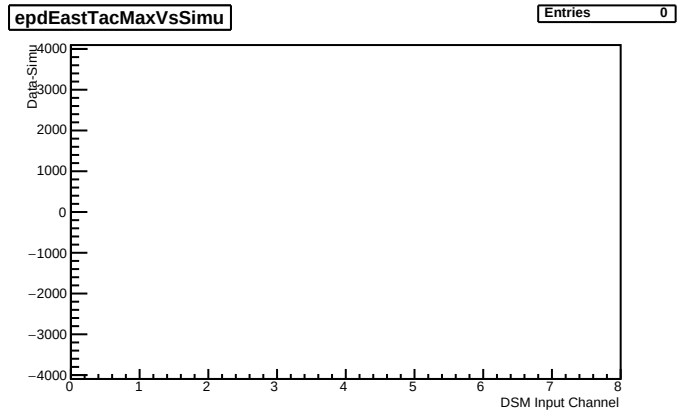

bbcSmallWestAdcSum
Entries 382625

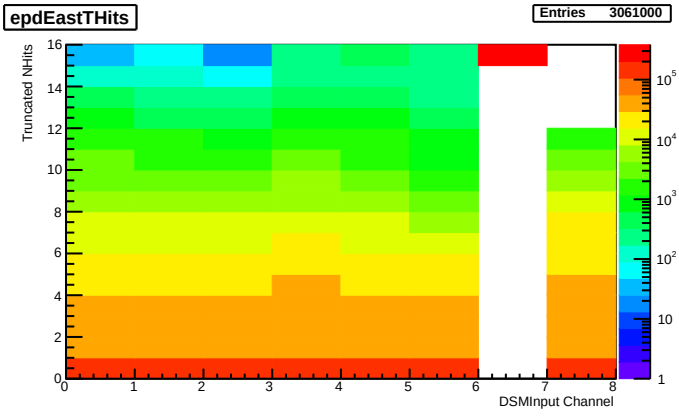

bbcSmallWestAdcSumVsSimu
Entries 322989
Data
Simu

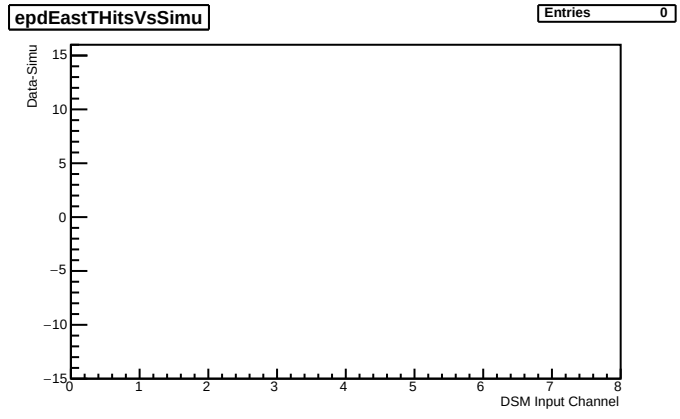

bbcSmallWestTacMax
Entries 382625

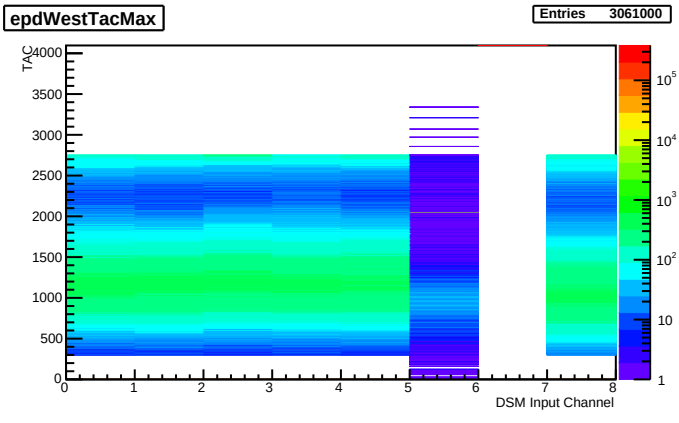

bbcSmallWestTacMaxVsSimu
Entries 322989
Data
Simu

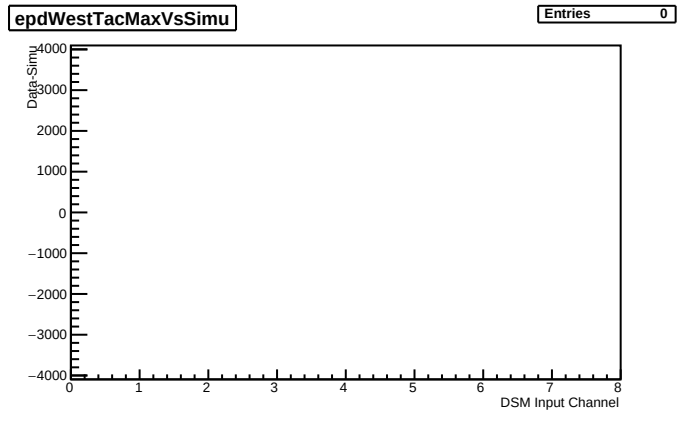

epdEastTacMax
Entries 3061000
TAC
DSM Input Channel

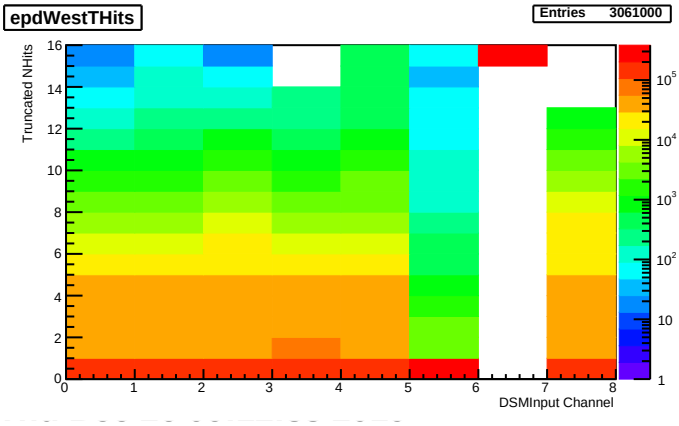

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

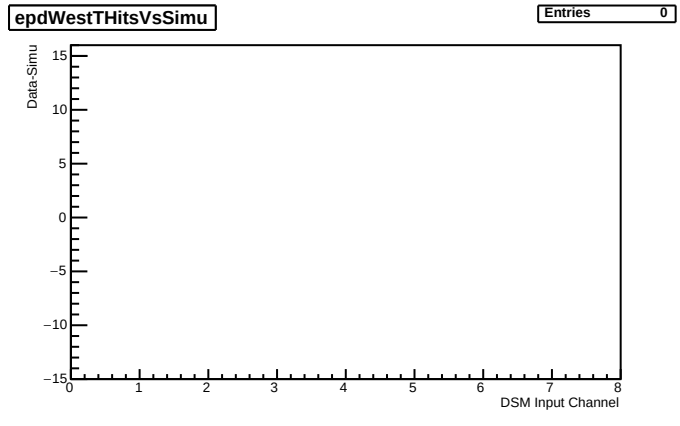

epdEastTHits
Entries 3061000
Truncated NHits
DSMInput Channel

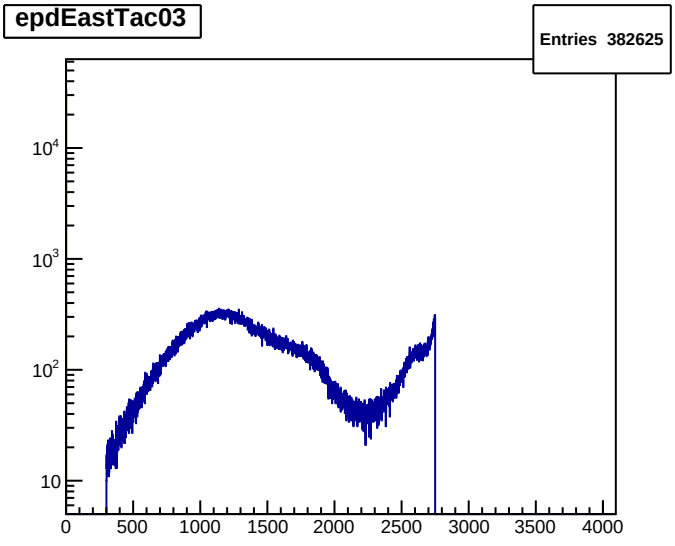

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

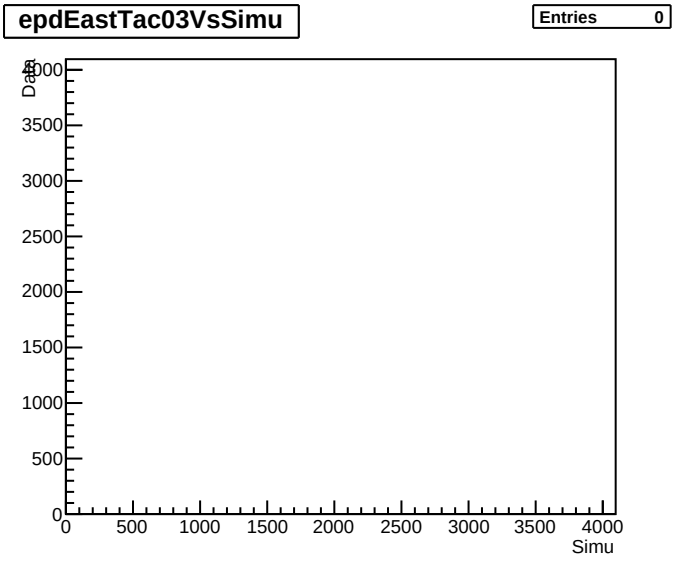

epdWestTacMax
Entries 3061000
TAC
DSM Input Channel

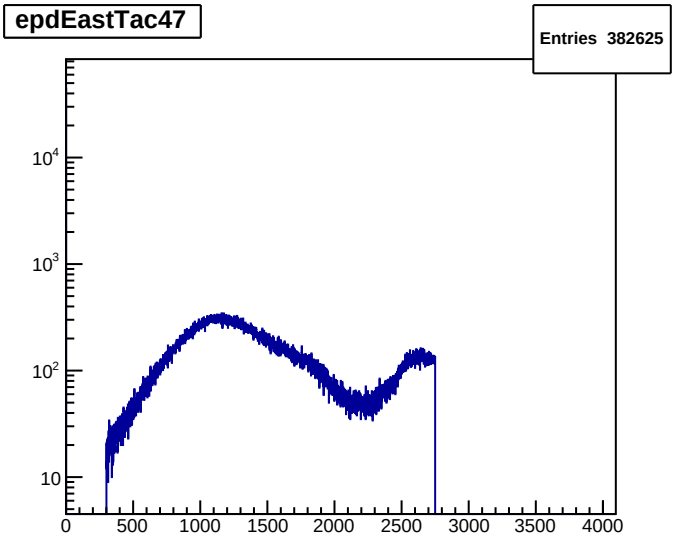

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

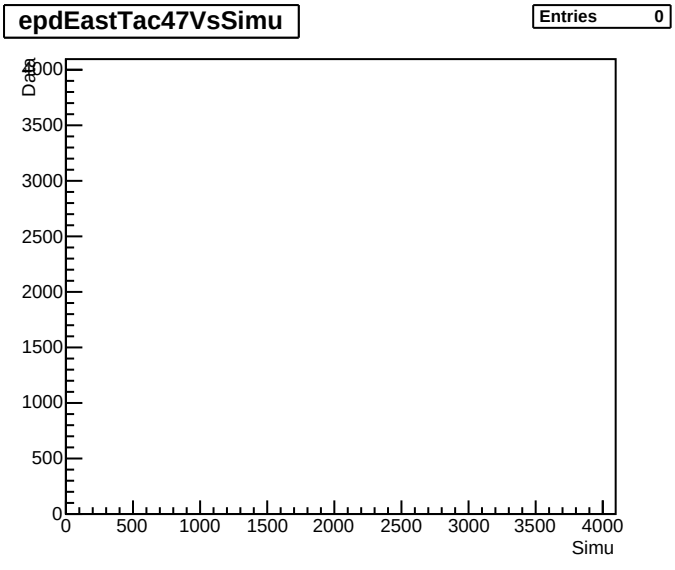

epdWestTHits
Entries 3061000
Truncated NHits
DSMInput Channel

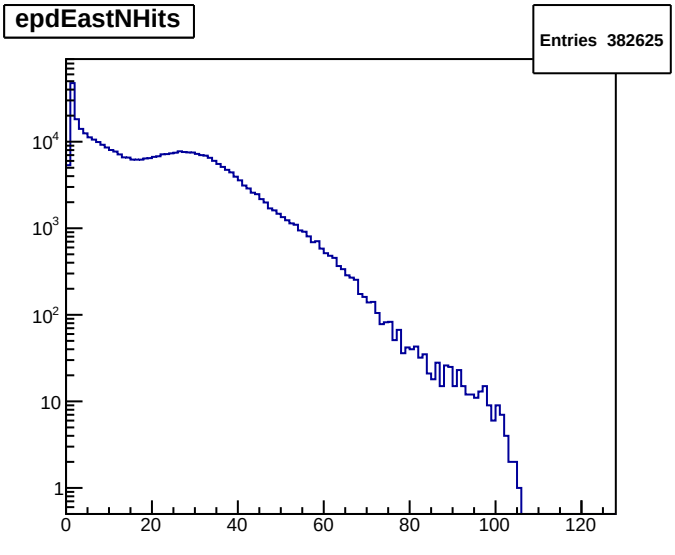

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

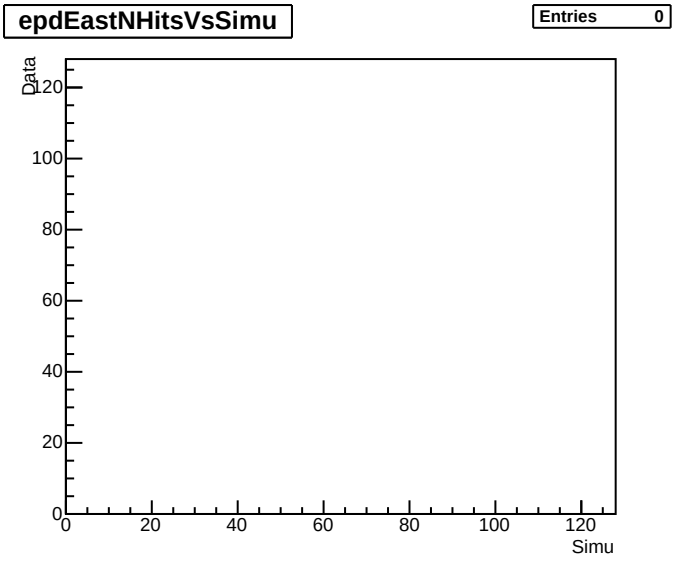

epdEastTac03
Entries 382625
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

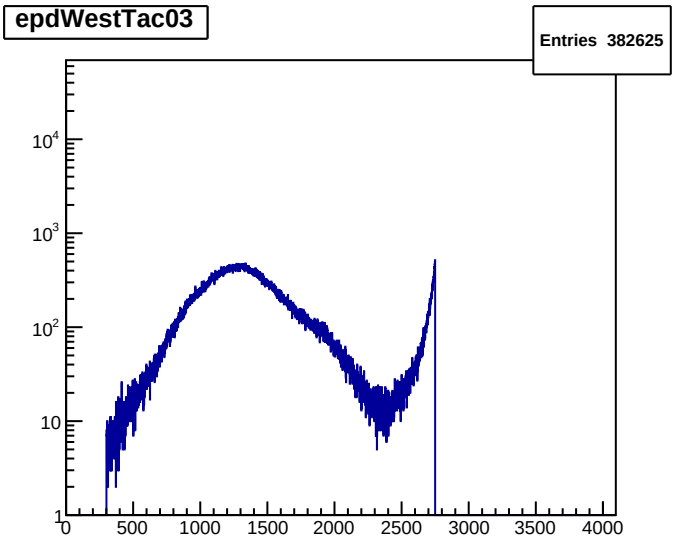

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

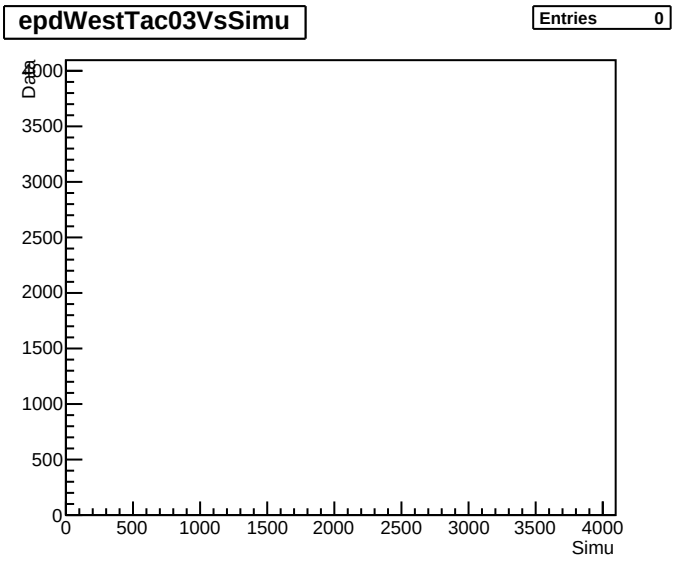

epdEastTac47
Entries 382625
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000

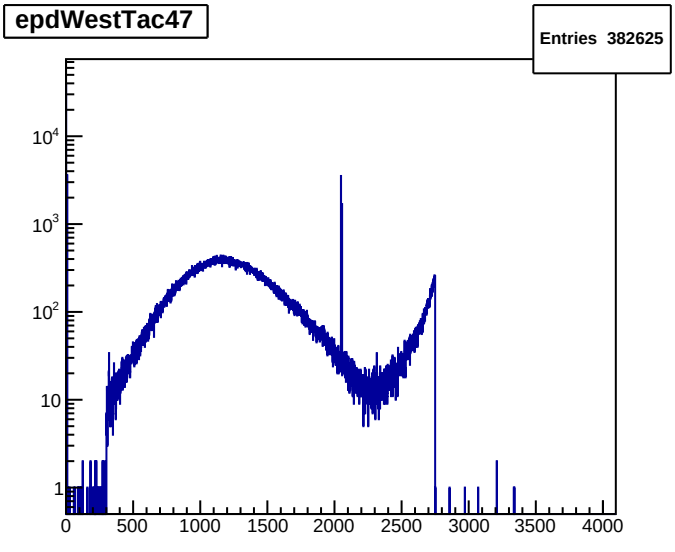

epdEastTac47VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu

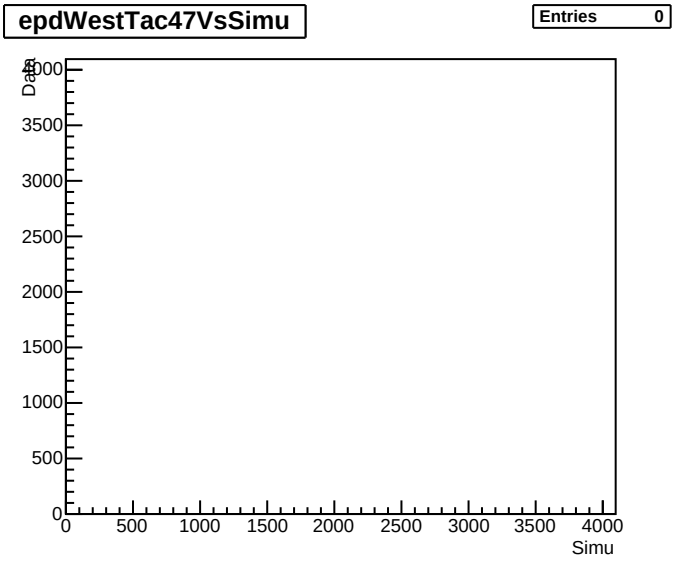

epdEastNHits
Entries 382625
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120

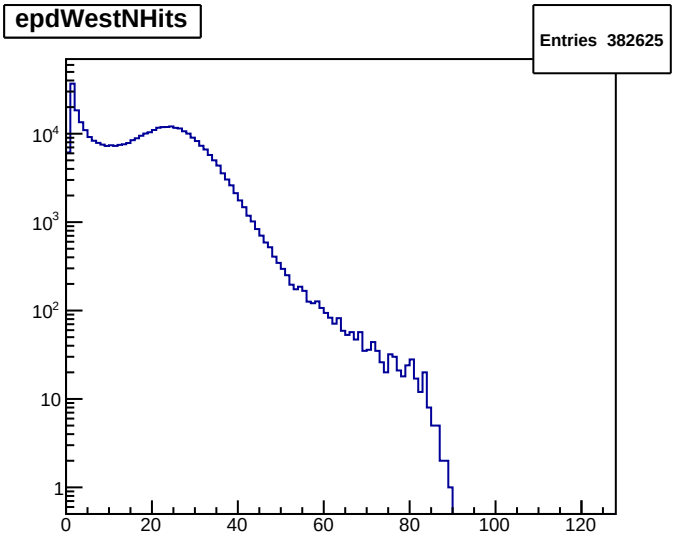

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu

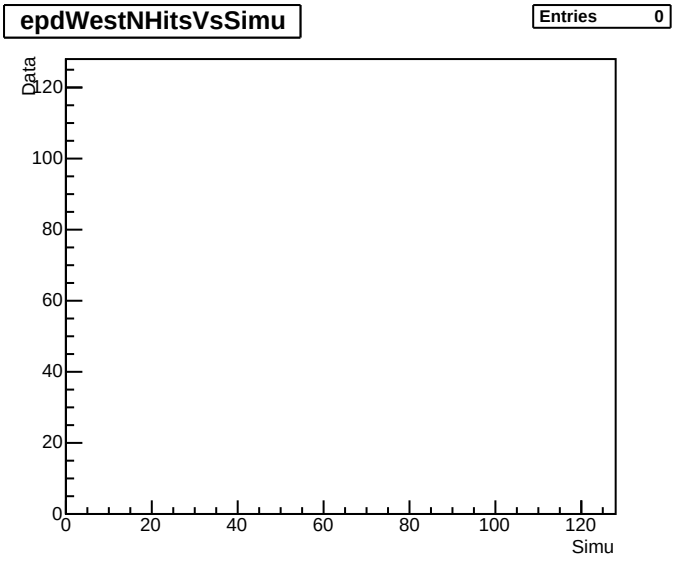

epdWestTac03
Entries 382625

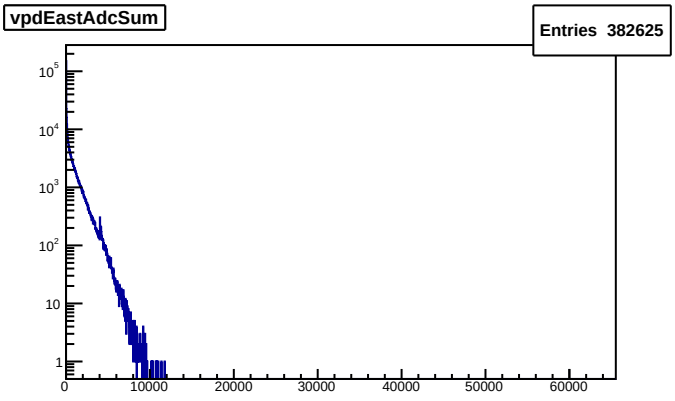

epdWestTac03VsSimu
Entries 0
Data
Simu

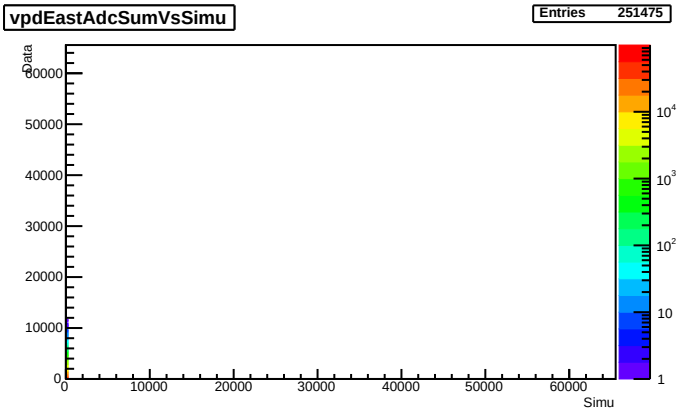

epdWestTac47
Entries 382625

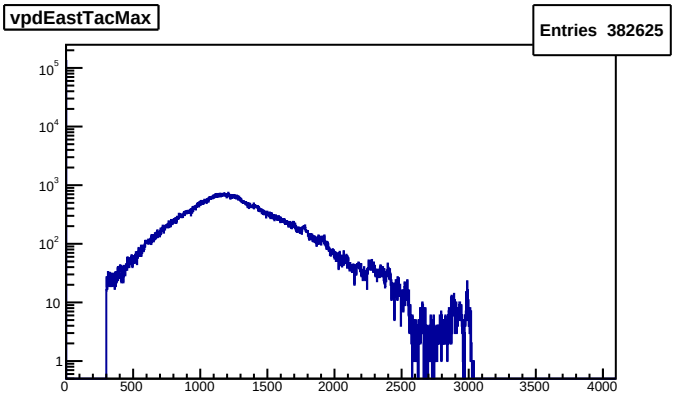

epdWestTac47VsSimu
Entries 0
Data
Simu

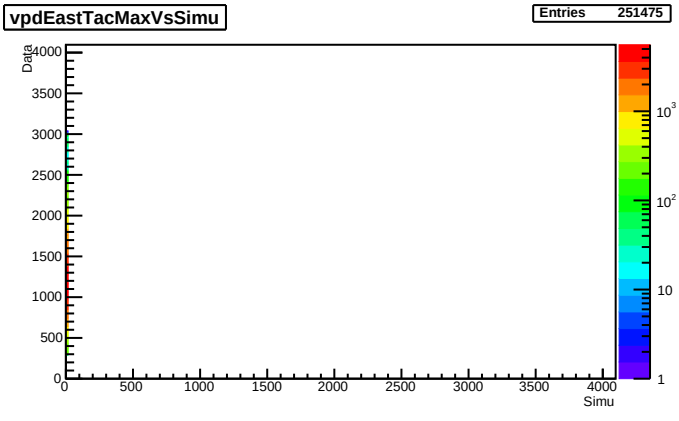

epdWestNHits
Entries 382625

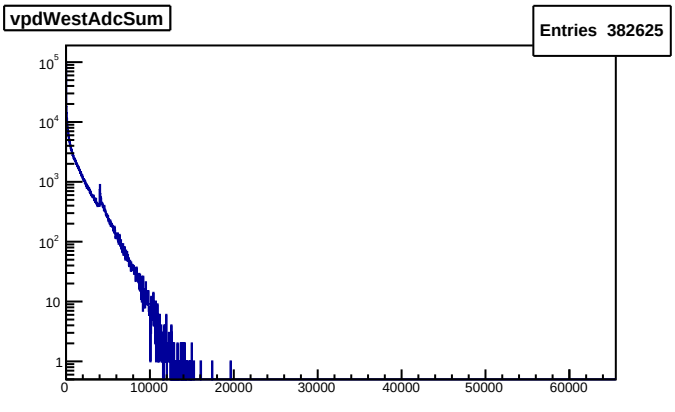

epdWestNHitsVsSimu
Entries 0
Data
Simu

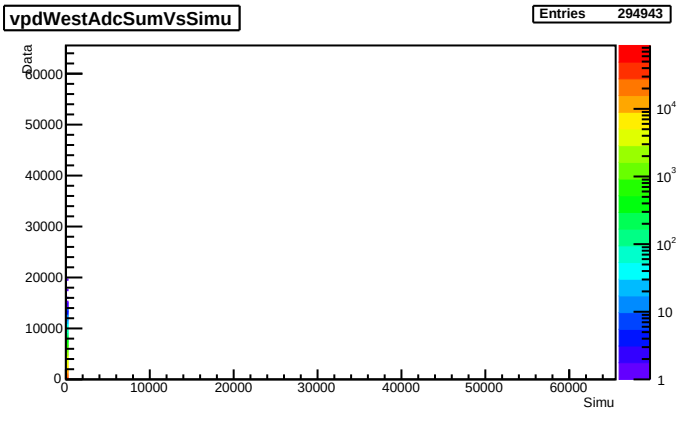

vpdEastAdcSum
Entries 382625

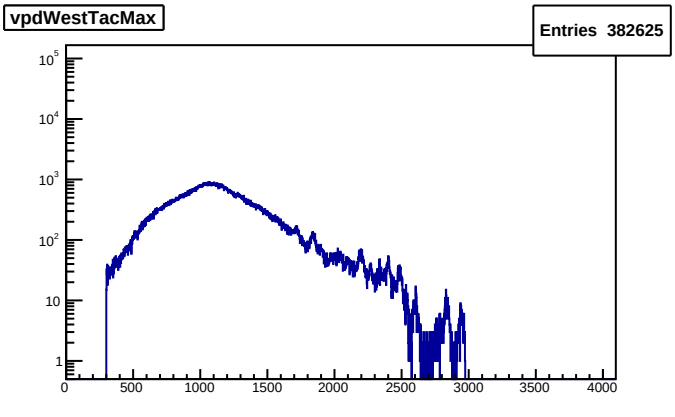

vpdEastAdcSumVsSimu
Entries 251475
Data
Simu

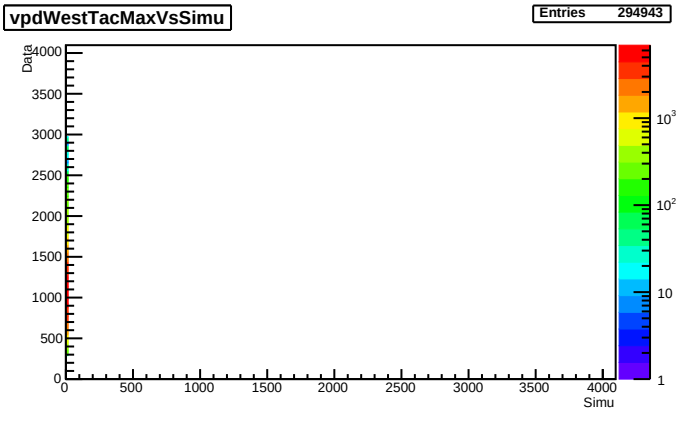

vpdEastTacMax
Entries 382625

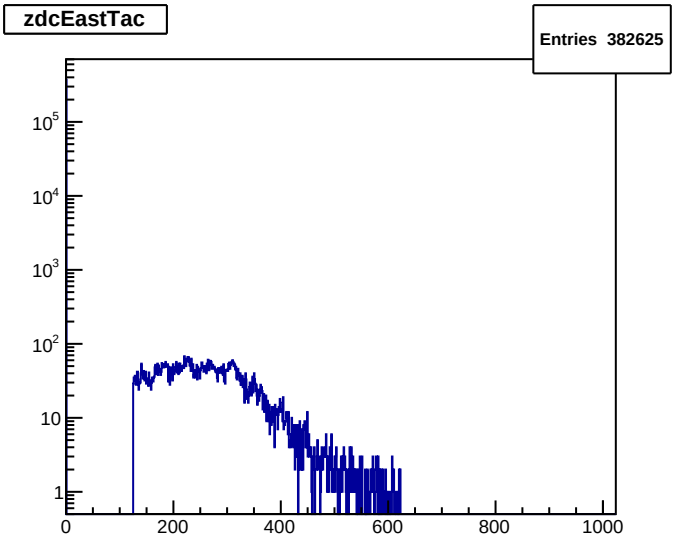

vpdEastTacMaxVsSimu
Entries 251475
Data
Simu

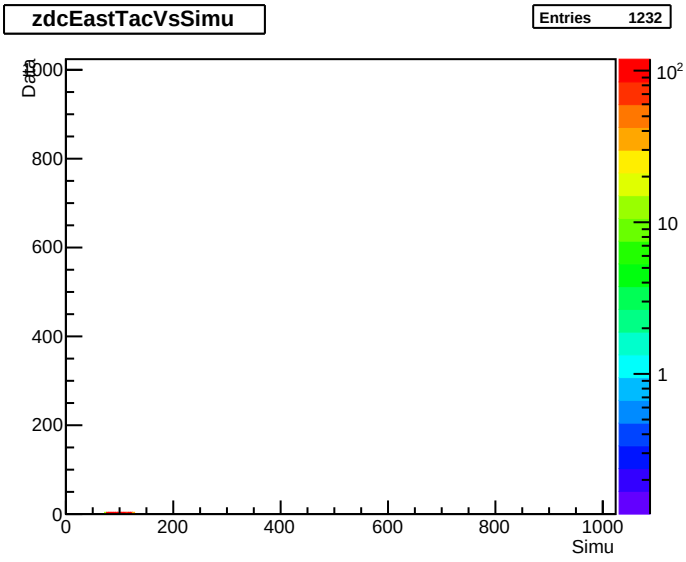

vpdWestAdcSum
Entries 382625

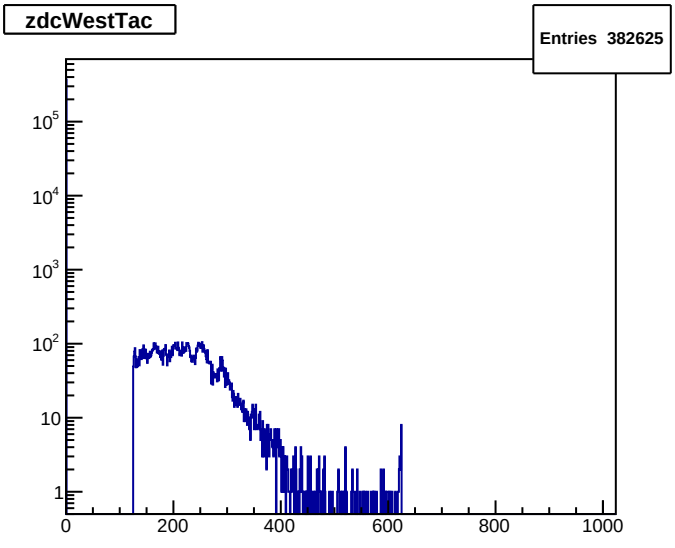

vpdWestAdcSumVsSimu
Entries 294943
Data
Simu

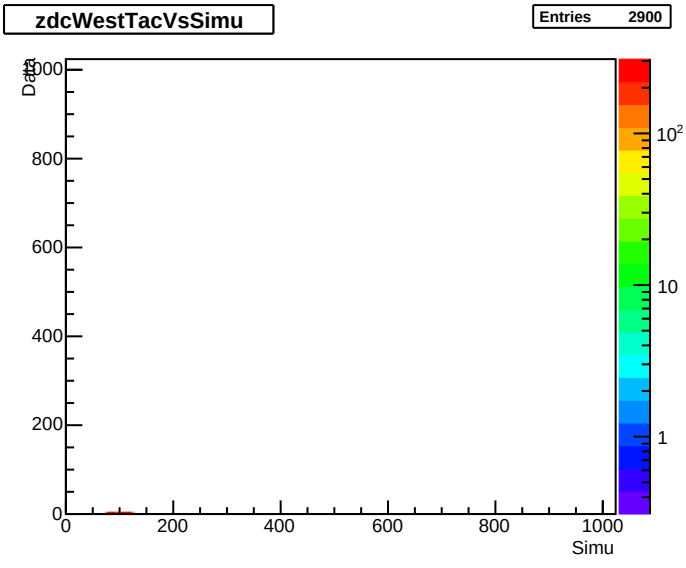

vpdWestTacMax
Entries 382625

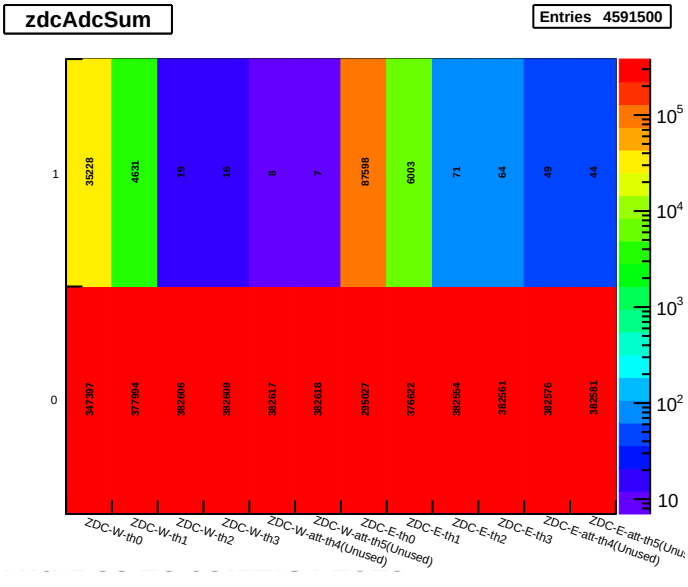

vpdWestTacMaxVsSimu
Entries 294943
Data
Simu

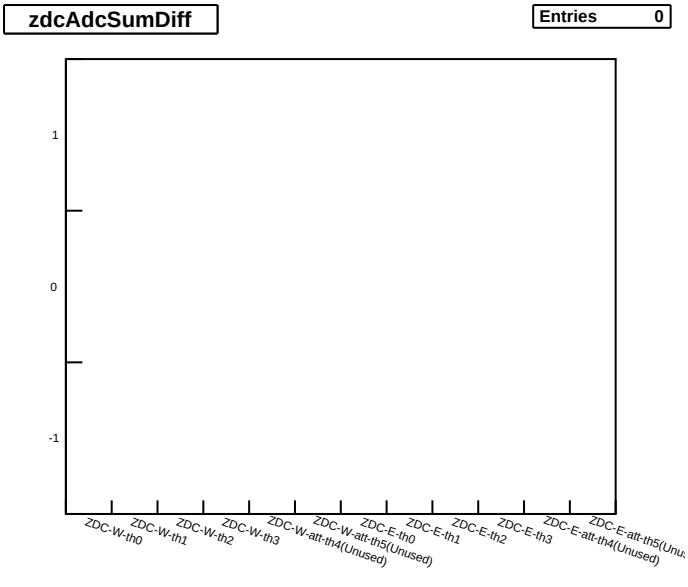

zdcEastTac
Entries 382625

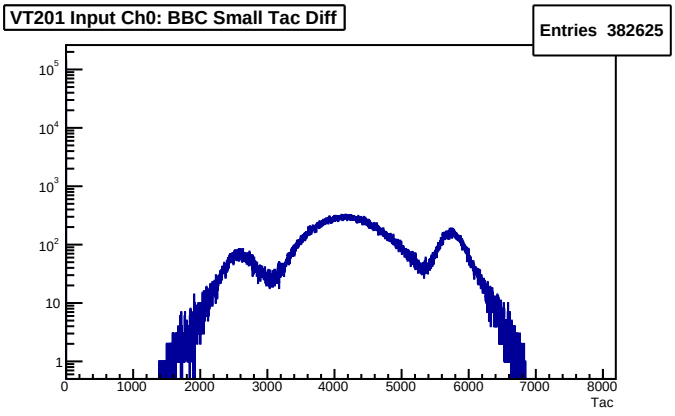

zdcEastTacVsSimu
Entries 1232
Data
Simu

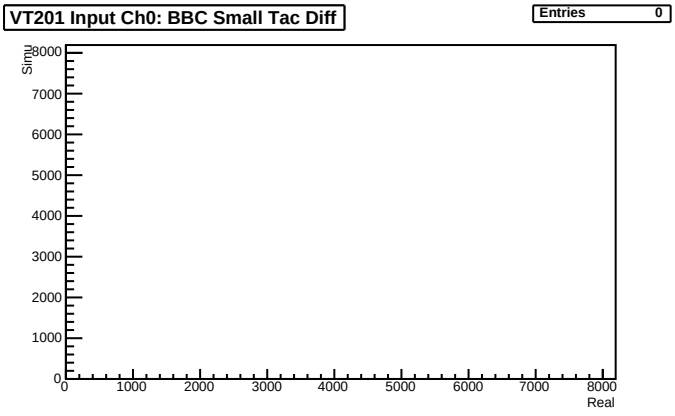

zdcWestTac
Entries 382625

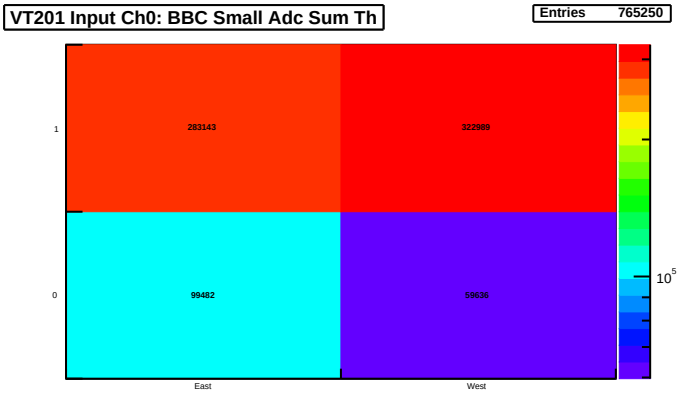

zdcWestTacVsSimu
Entries 2900
Data
Simu

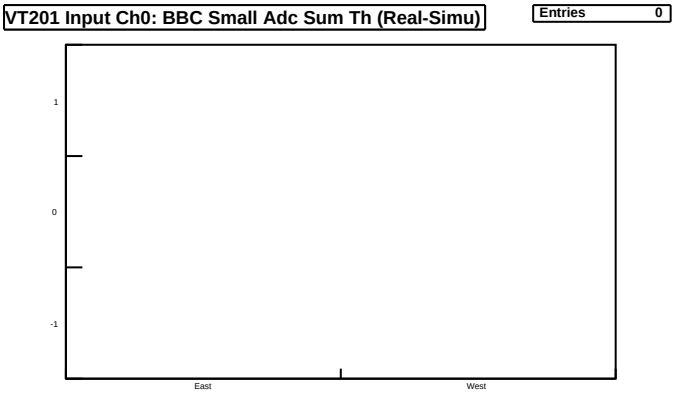

zdcAdcSum
Entries 4591500
35228
4631
19
16
8
7
87598
6003
71
64
49
44
347397
377894
382606
382609
382617
382618
295027
376622
382554
382561
382576
382581
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

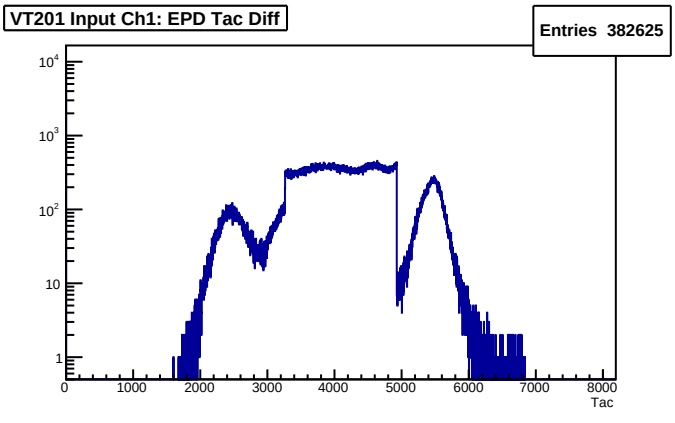

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

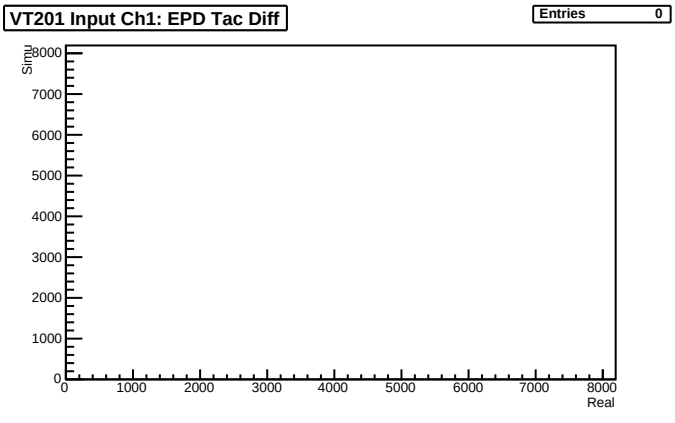

VT201 Input Ch0: BBC Small Tac Diff
Entries 382625
Tac

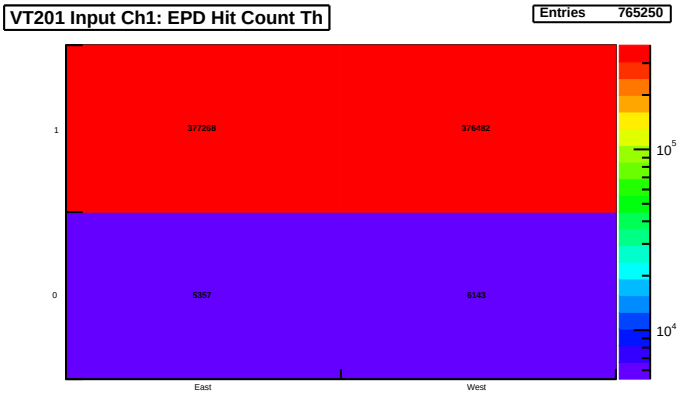

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

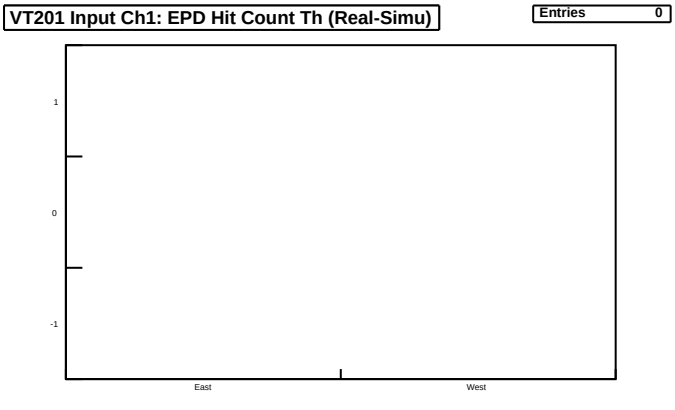

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 765250
283143
322989
99482
59636
East
West

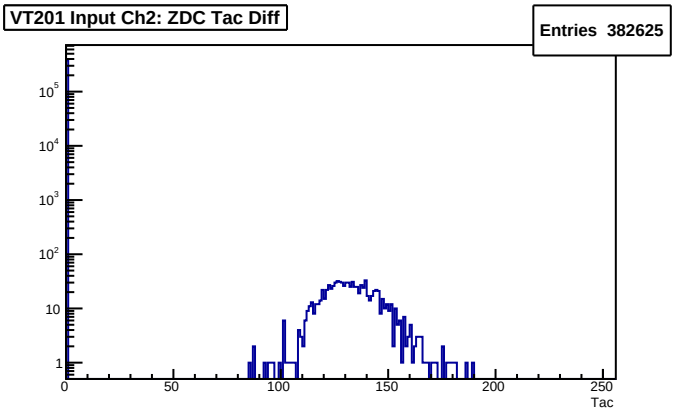

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

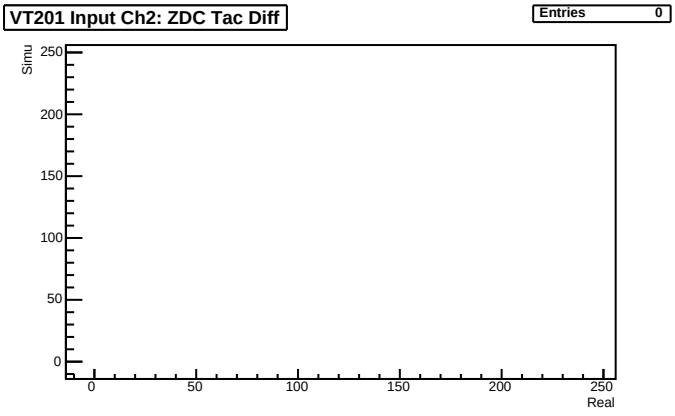

VT201 Input Ch1: EPD Tac Diff
Entries 382625
Tac

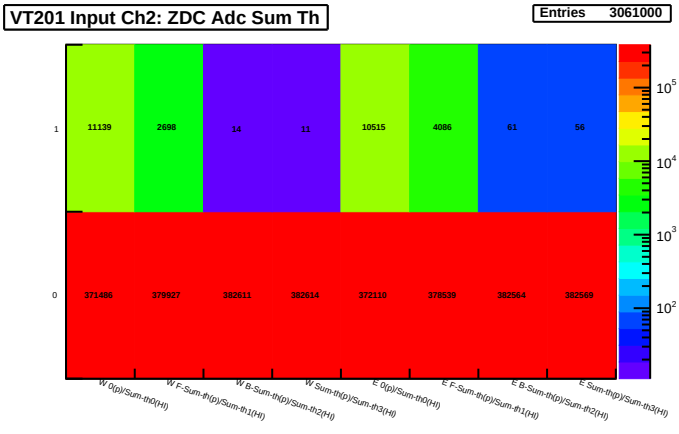

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

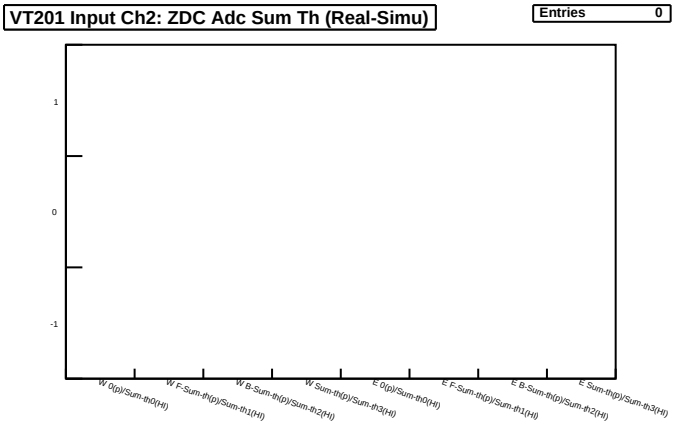

VT201 Input Ch1: EPD Hit Count Th
Entries 765250
377268
376482
5357
6143
East
West

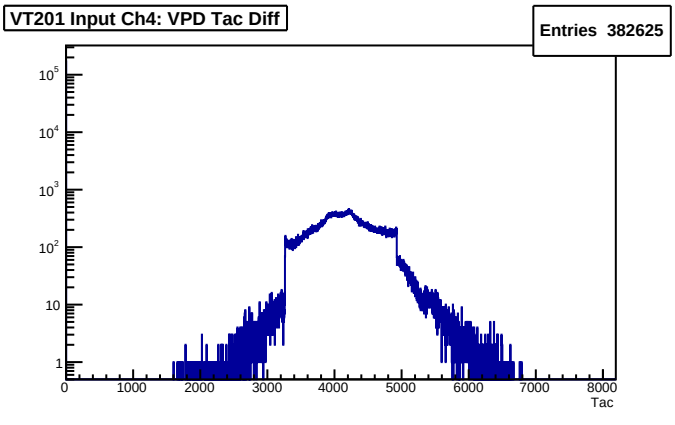

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

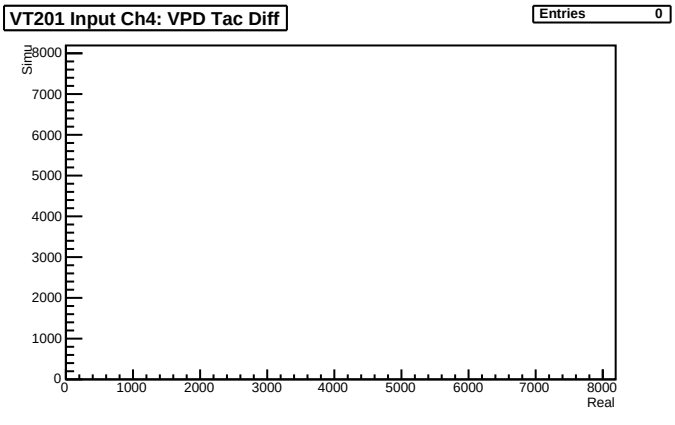

VT201 Input Ch2: ZDC Tac Diff
Entries 382625
Tac

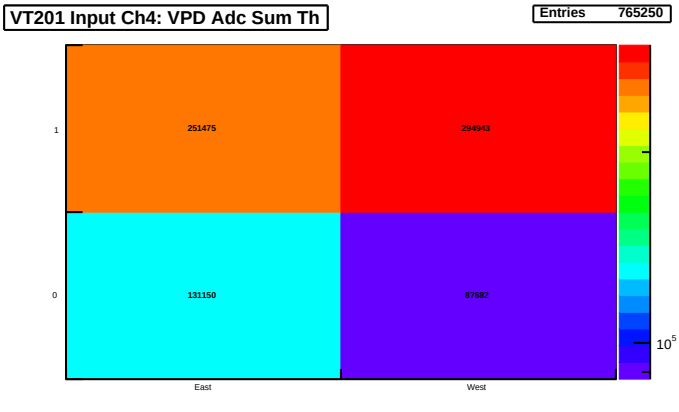

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

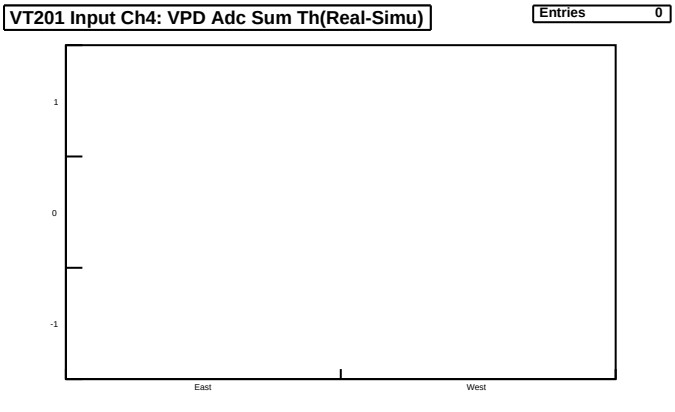

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3061000
11139
2698
14
11
10515
4086
61
56
371486
379927
382611
382614
372110
378539
382564
382569
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

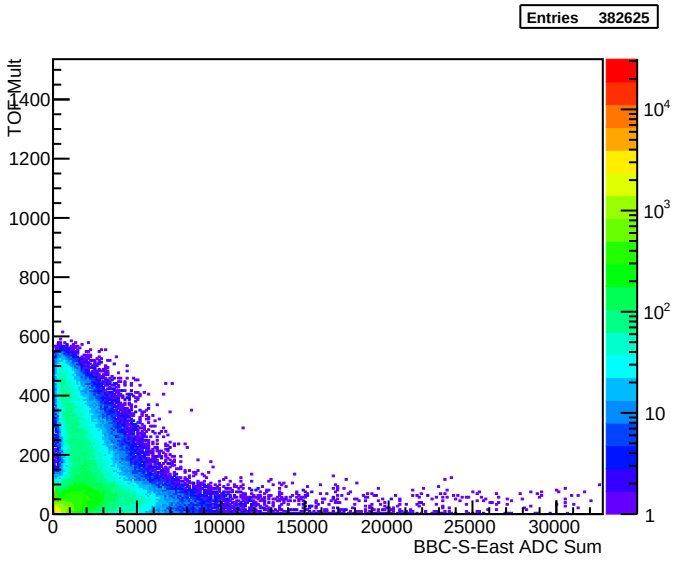

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

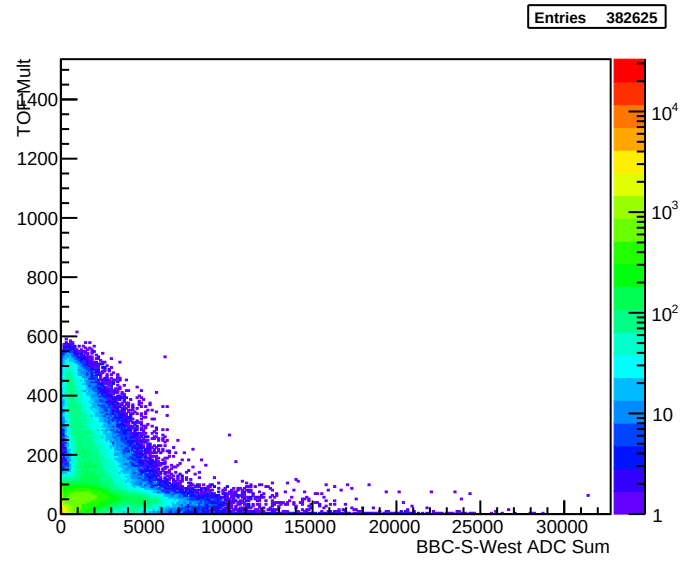

VT201 Input Ch4: VPD Tac Diff
Entries 382625
Tac

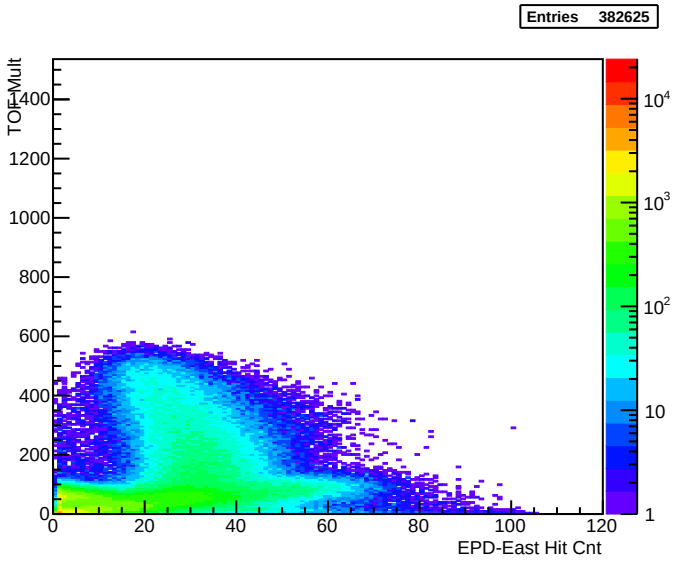

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

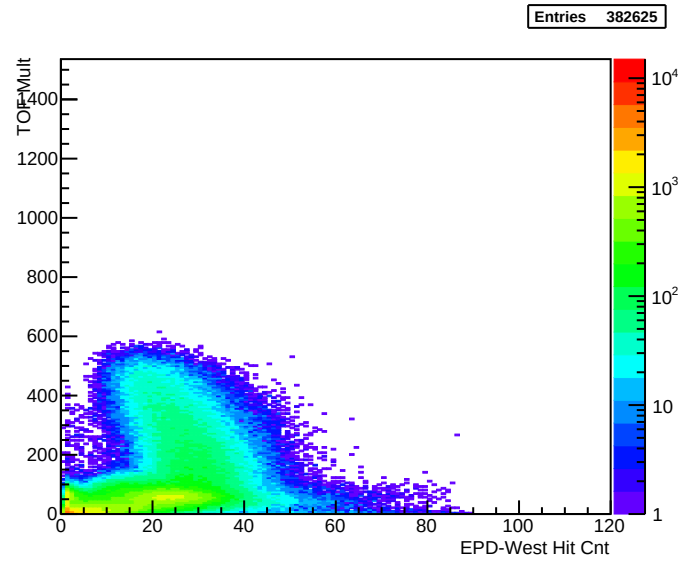

VT201 Input Ch4: VPD Adc Sum Th
Entries 765250
251475
294943
131150
87682
East
West

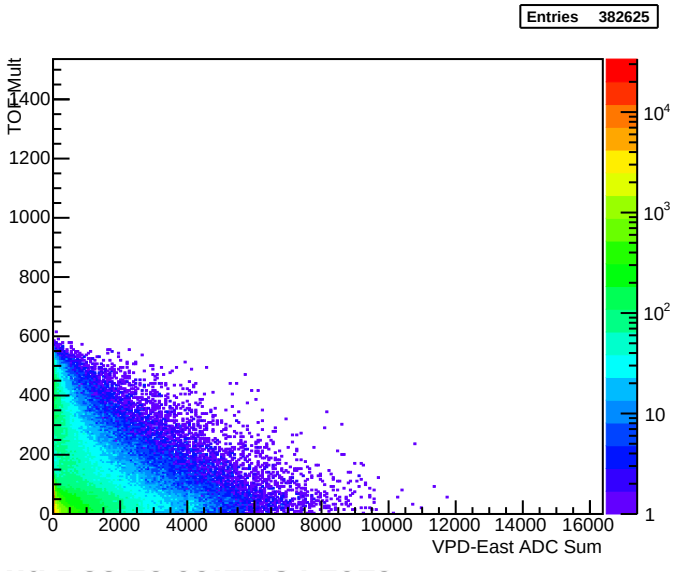

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

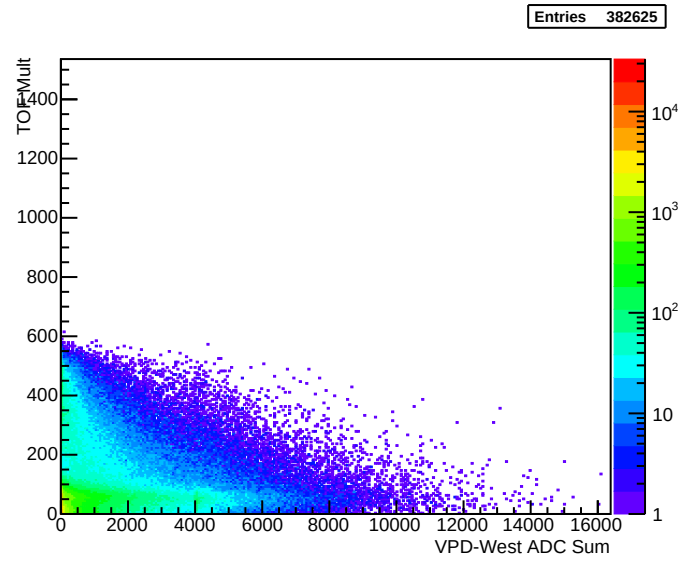

Entries 382625
TOF-Mult
BBC-S-East ADC Sum

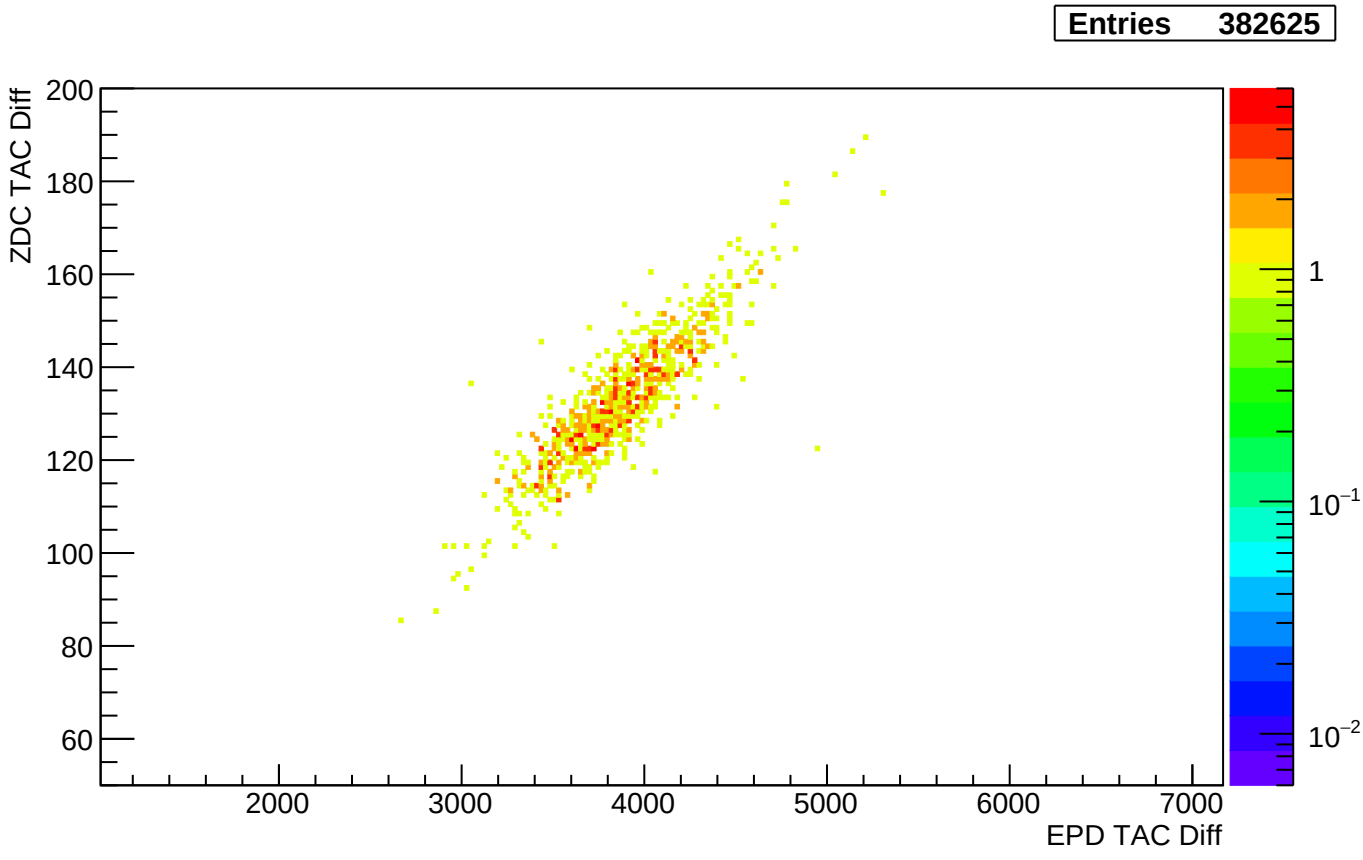

Entries 382625
TOF-Mult
BBC-S-West ADC Sum

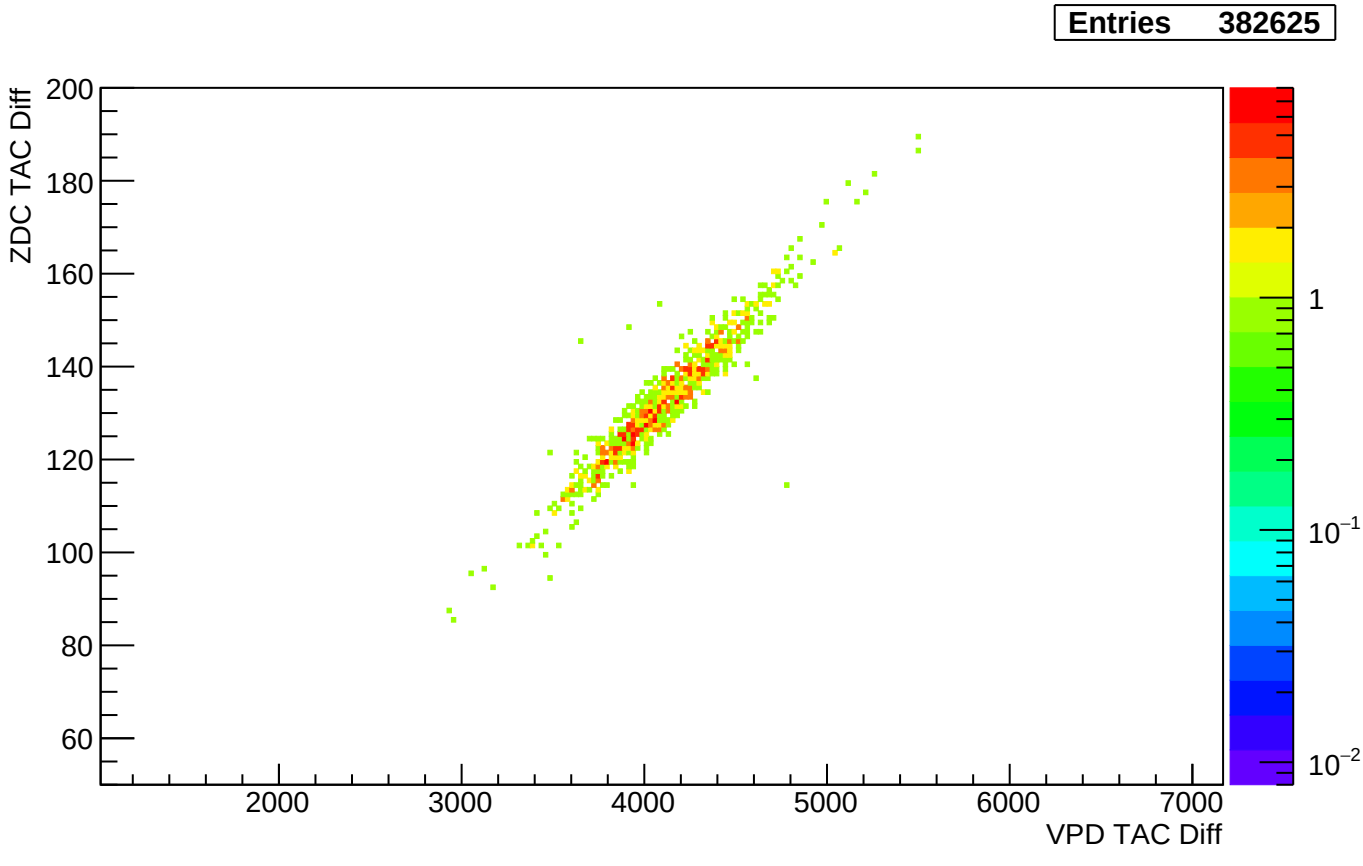

Entries 382625
TOF-Mult
EPD-East Hit Cnt

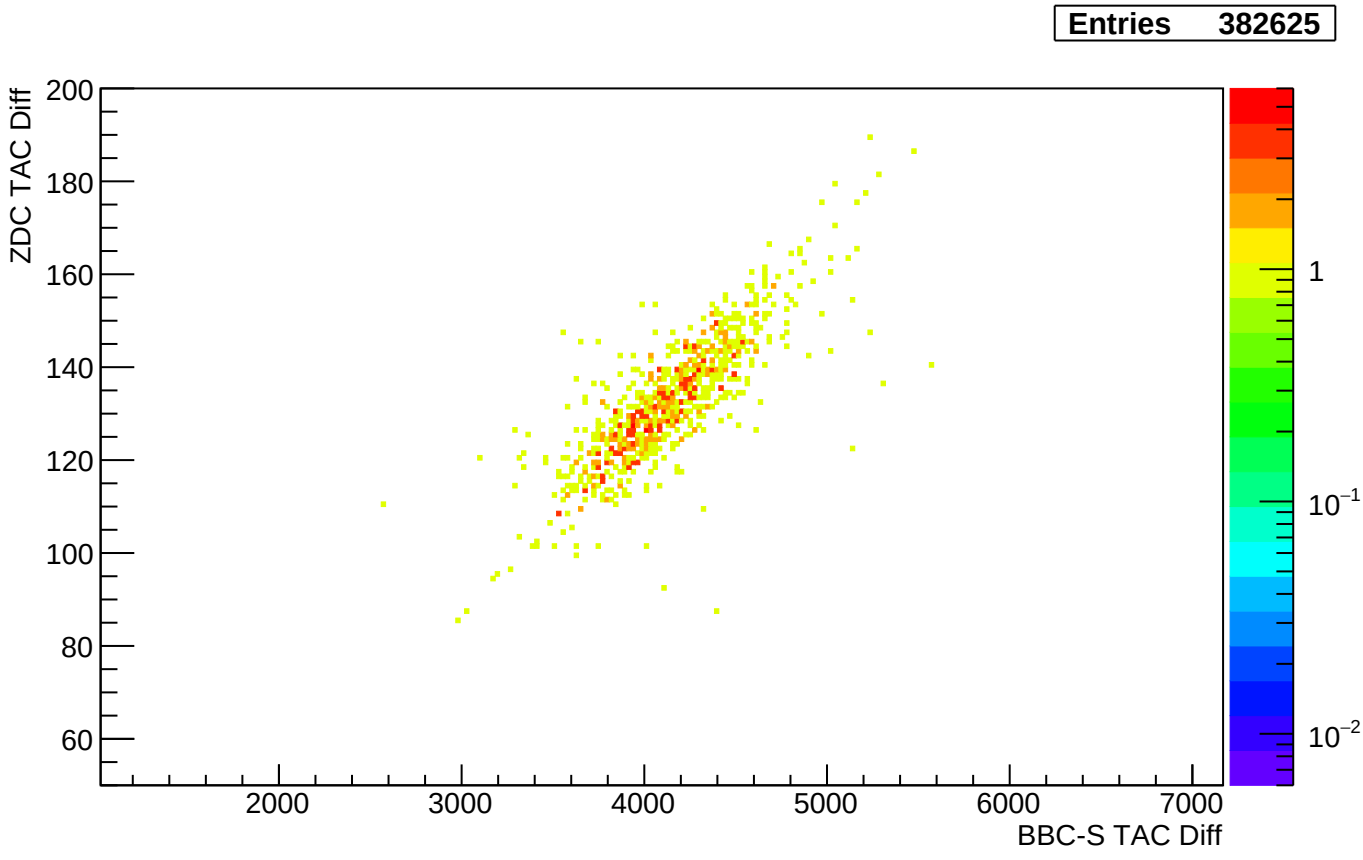

Entries 382625
TOF-Mult
EPD-West Hit Cnt

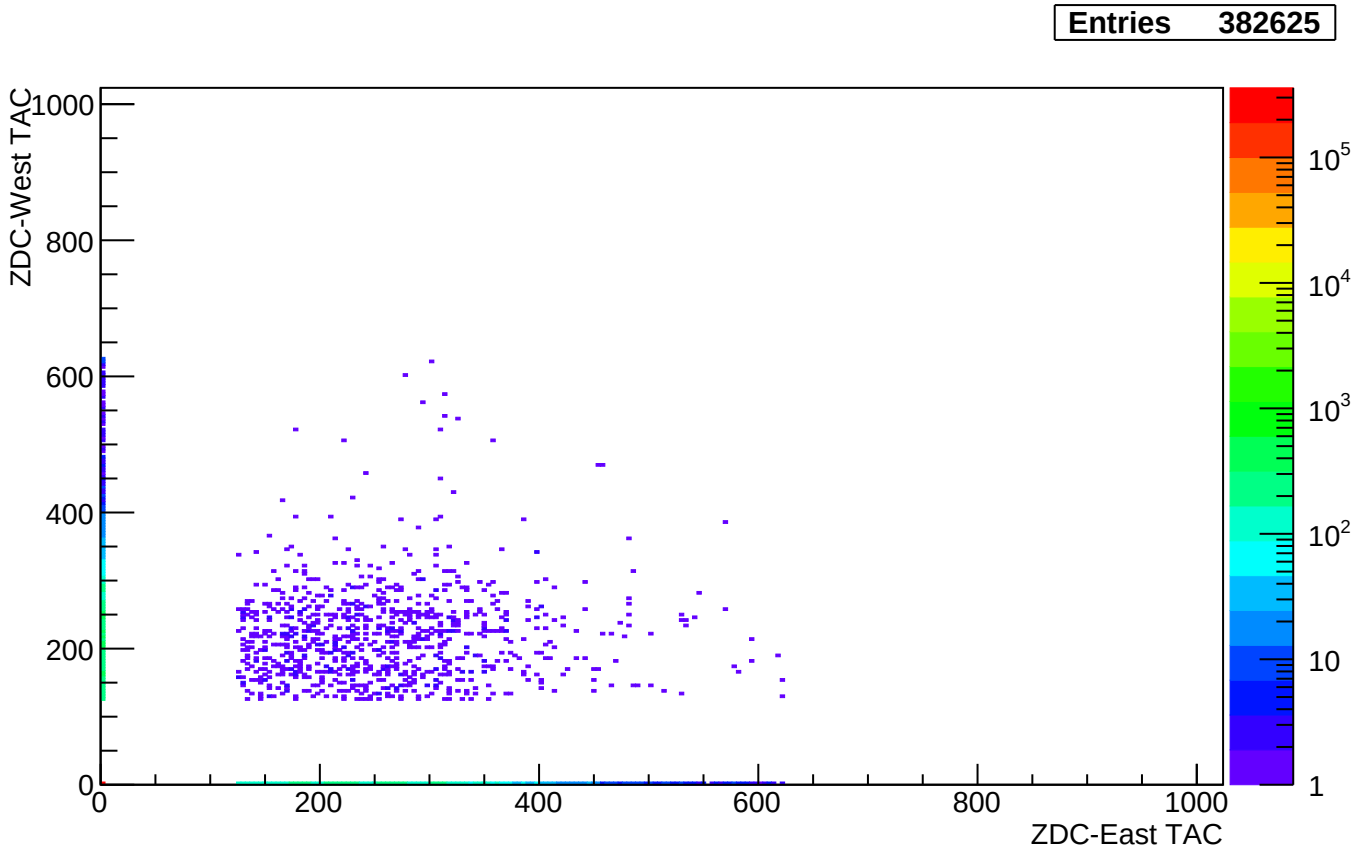

Entries 382625
TOF-Mult
VPD-East ADC Sum

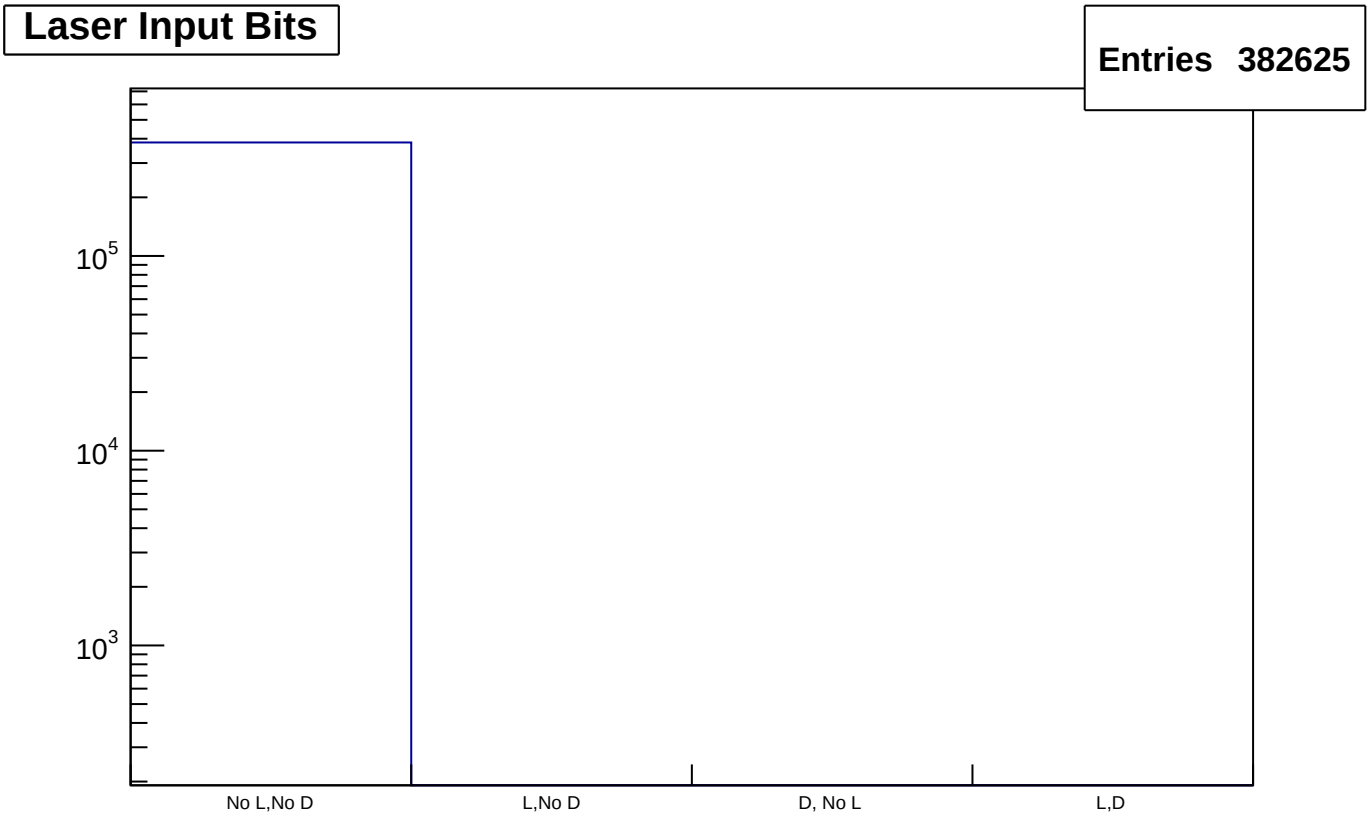

Entries 382625
TOF-Mult
VPD-West ADC Sum

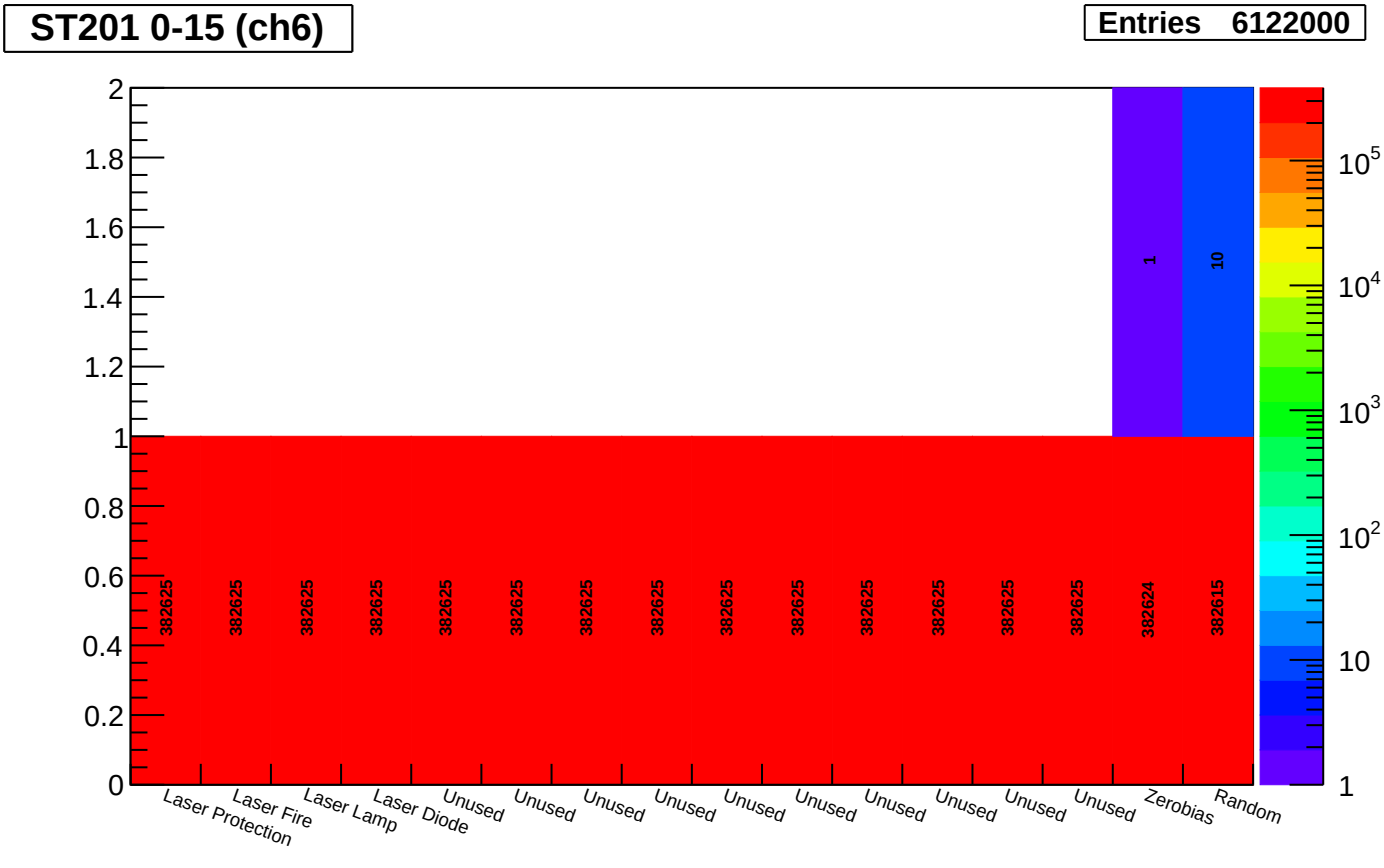

Entries 382625
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

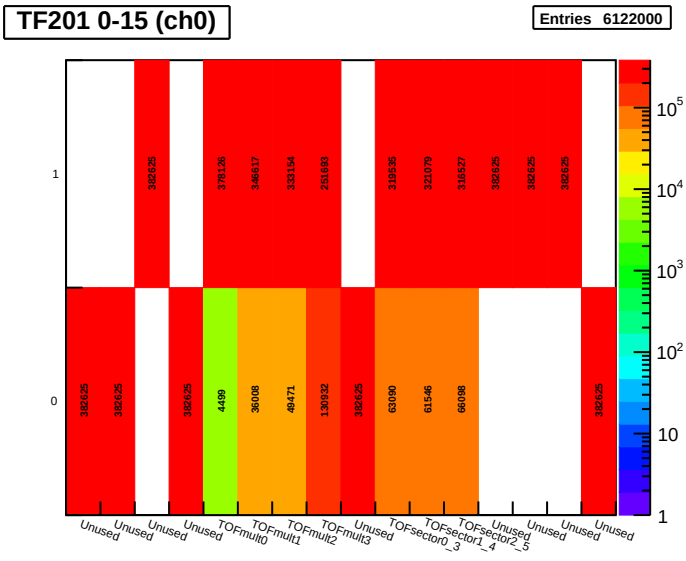

Entries 382625
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

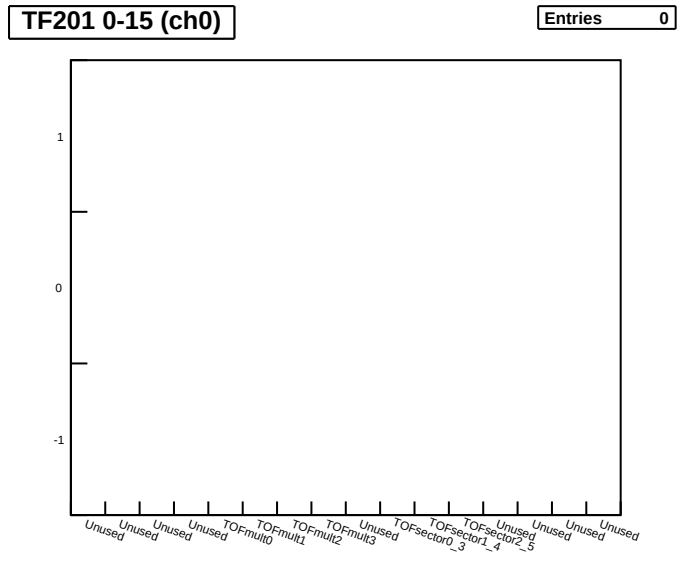

Entries 382625
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

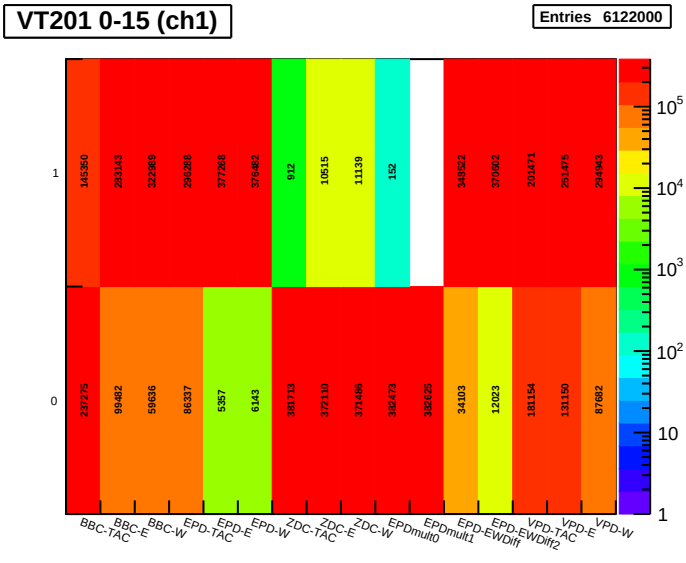

Entries 382625
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

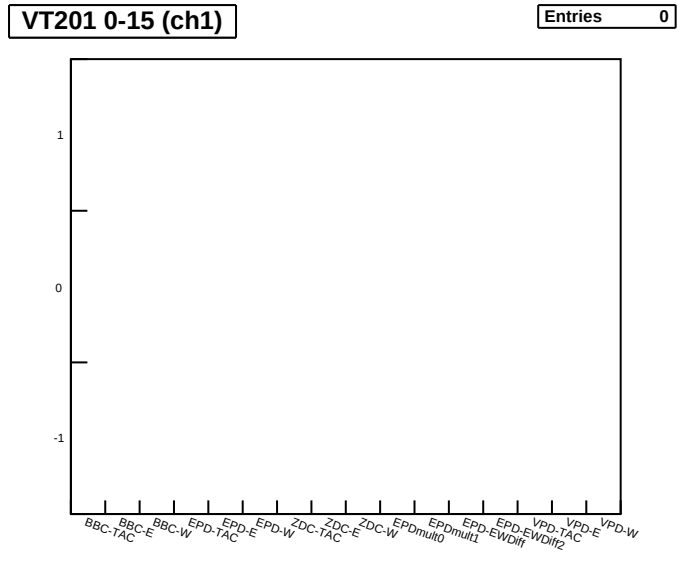

Laser Input Bits
Entries 382625
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

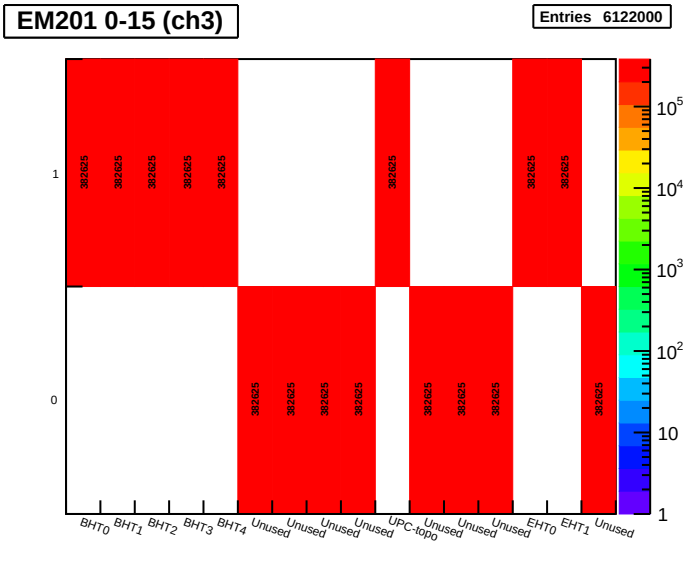

ST201 0-15 (ch6)
Entries 6122000
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382624
382615
1
10
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

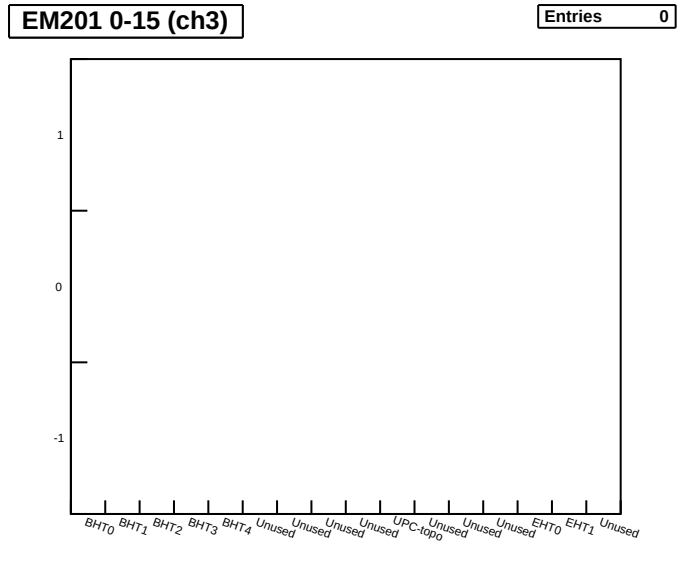

TF201 0-15 (ch0)
Entries 6122000
1
0
382625
378126
346617
333154
251693
319535
321079
316527
382625
382625
382625
382625
382625
382625
4499
36008
49471
130932
382625
63090
61546
66098
382625
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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


VT201 0-15 (ch1)
Entries 6122000
1
0
145550
283143
322989
296288
377268
376482
912
10515
11139
152
348522
370602
201471
251475
294943
237275
99482
59636
86337
5357
6143
381713
372110
371486
382473
382625
34103
12023
181154
131150
87682
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 6122000
1
0
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
382625
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