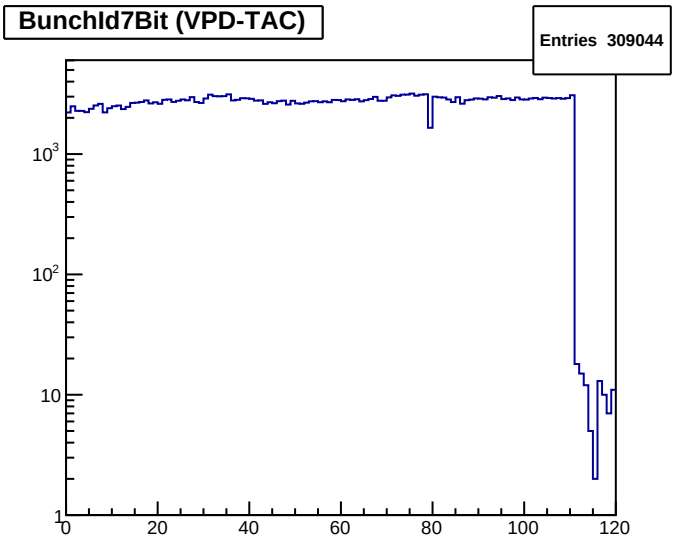
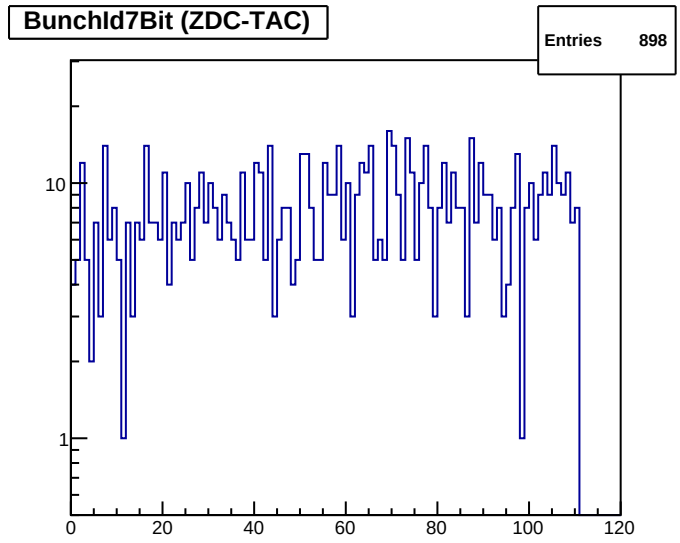
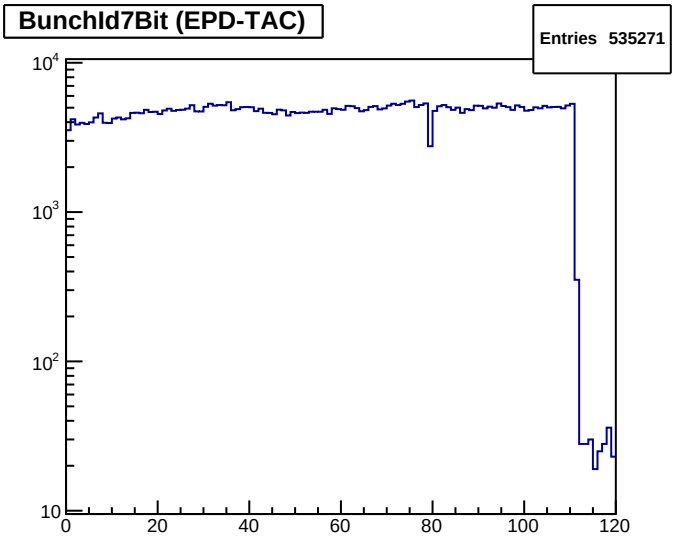
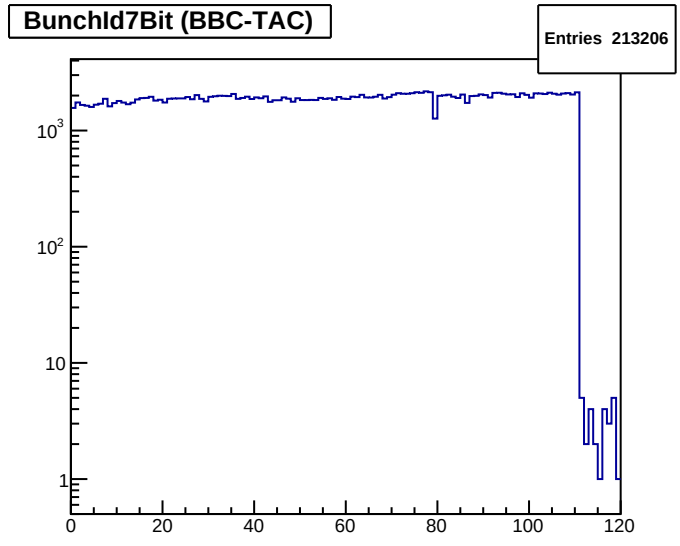
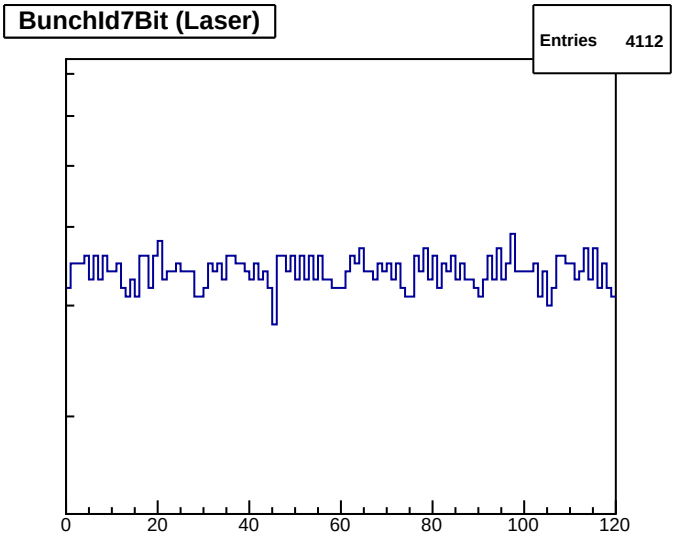
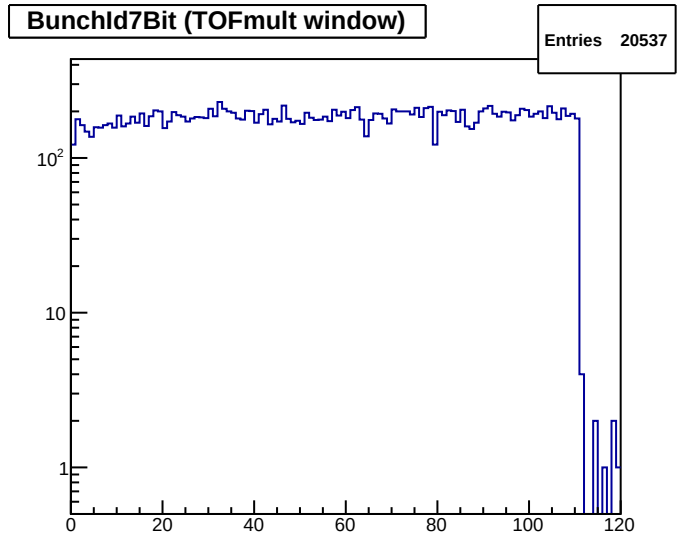

BunchId7Bit (VPD-TAC)
Entries 309044

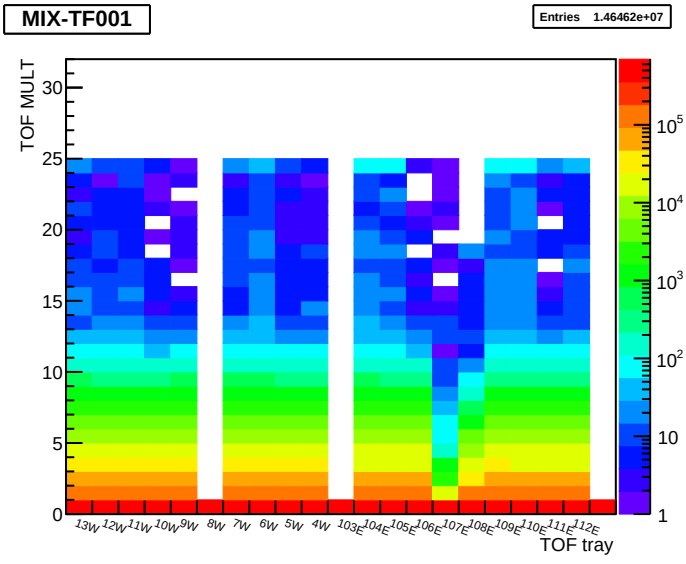

BunchId7Bit (ZDC-TAC)
Entries 898

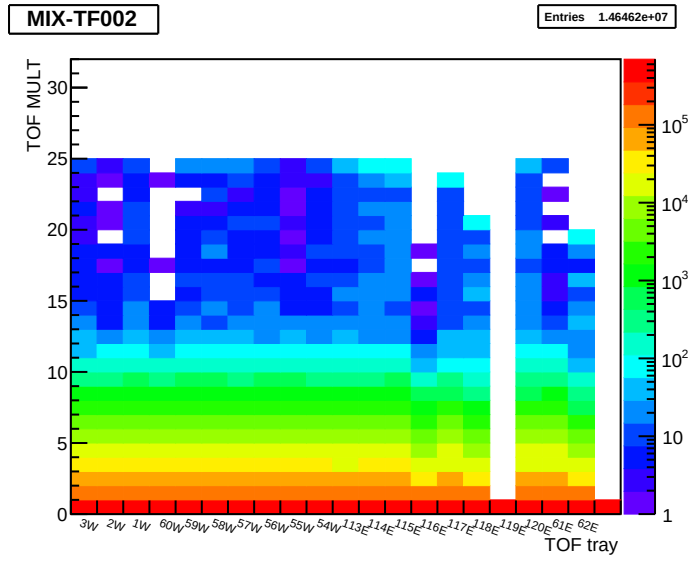

BunchId7Bit (EPD-TAC)
Entries 535271

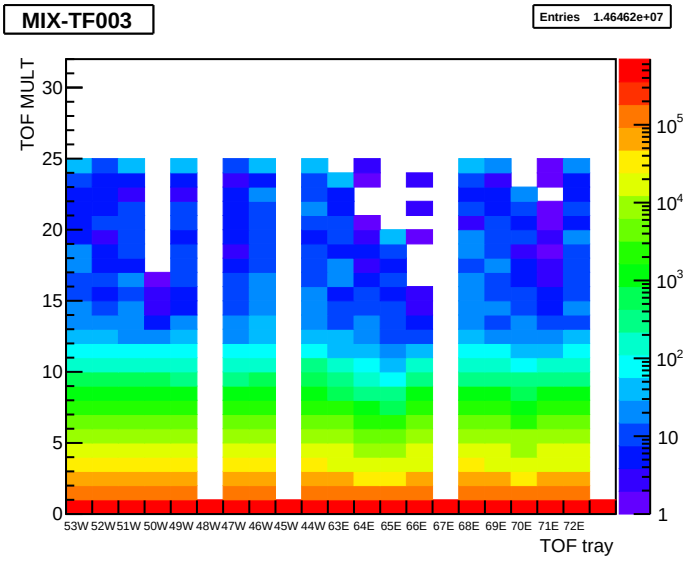

BunchId7Bit (BBC-TAC)
Entries 213206

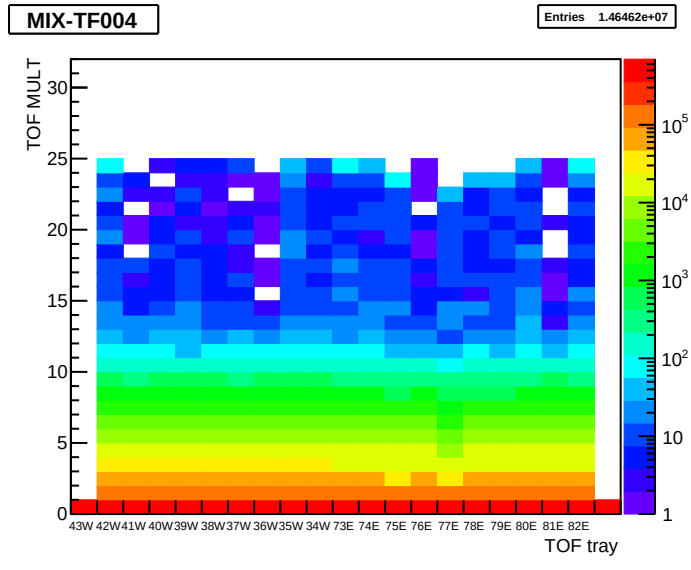

BunchId7Bit (Laser)
Entries 4112

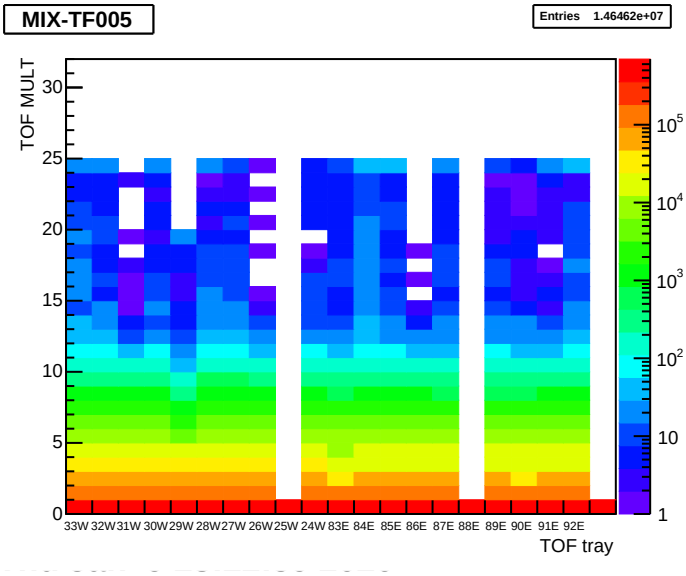

BunchId7Bit (TOFmult window)
Entries 20537

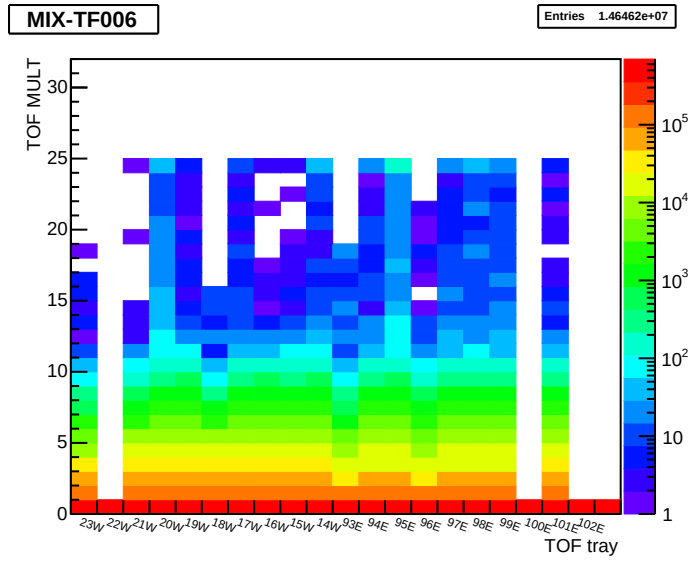

MIX-TF001
Entries 1.46462e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

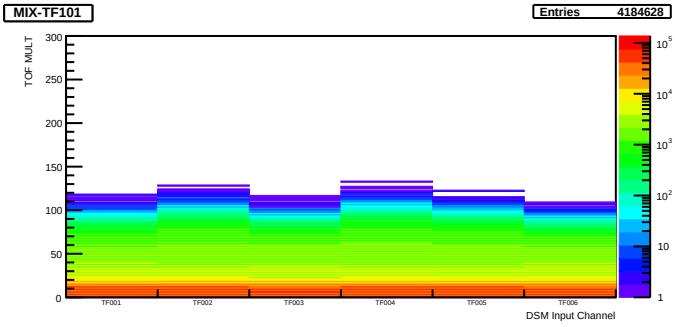

MIX-TF002
Entries 1.46462e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

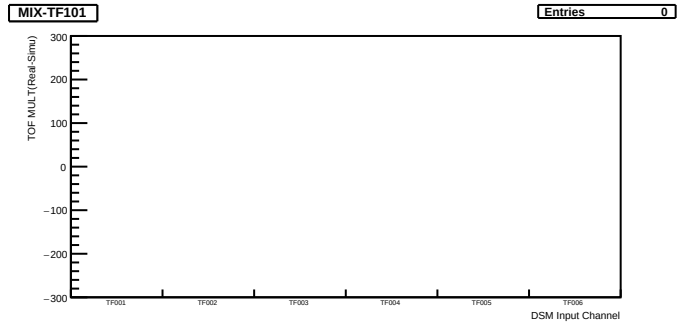

MIX-TF003
Entries 1.46462e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

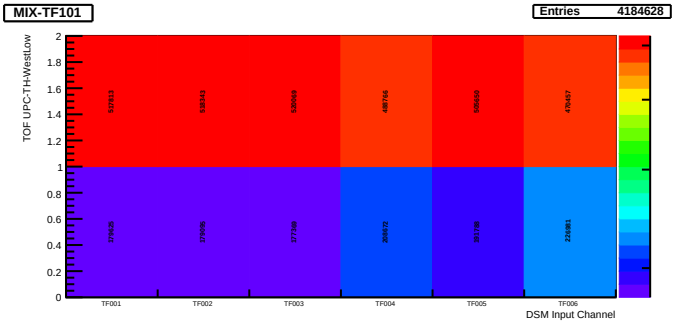

MIX-TF004
Entries 1.46462e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

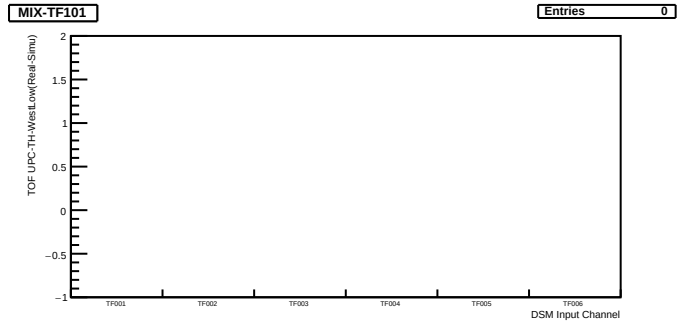

MIX-TF005
Entries 1.46462e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

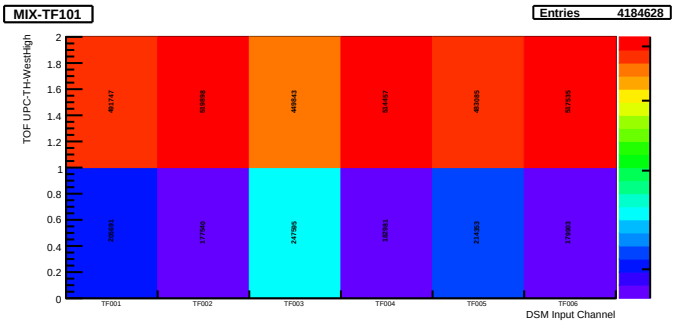

MIX-TF006
Entries 1.46462e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

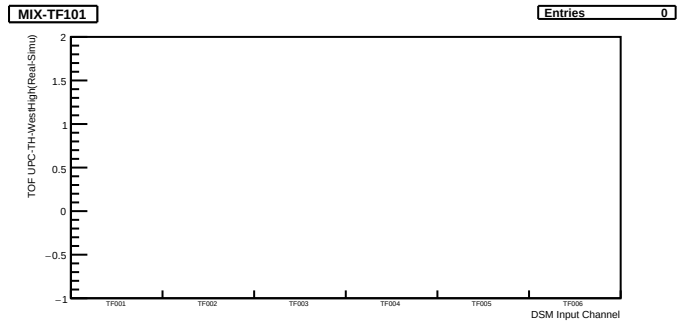

MIX-TF101
Entries 4184628
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

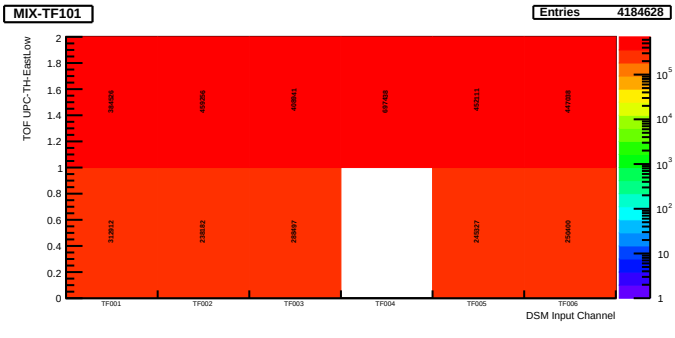

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

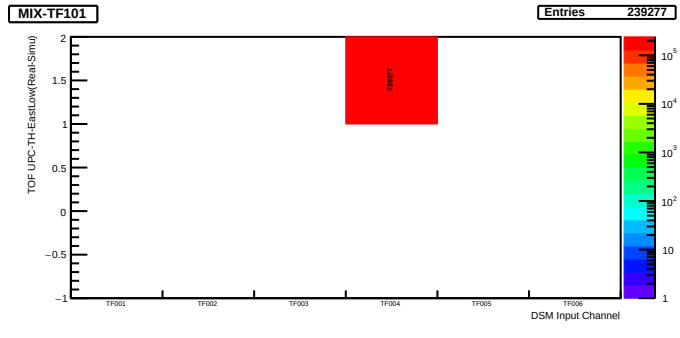

MIX-TF101
Entries 4184628
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

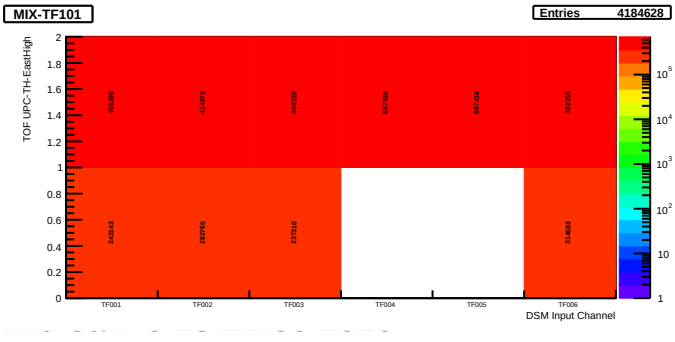

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

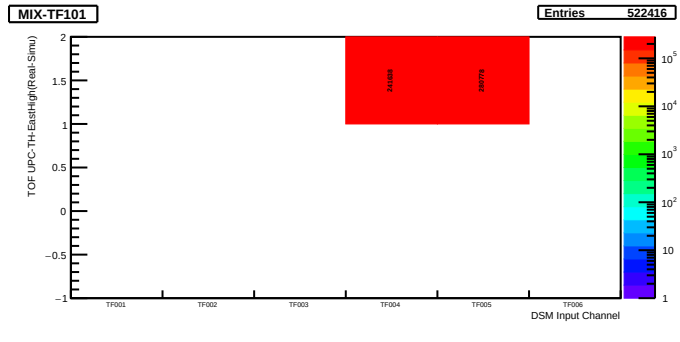

MIX-TF101
Entries 4184628
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

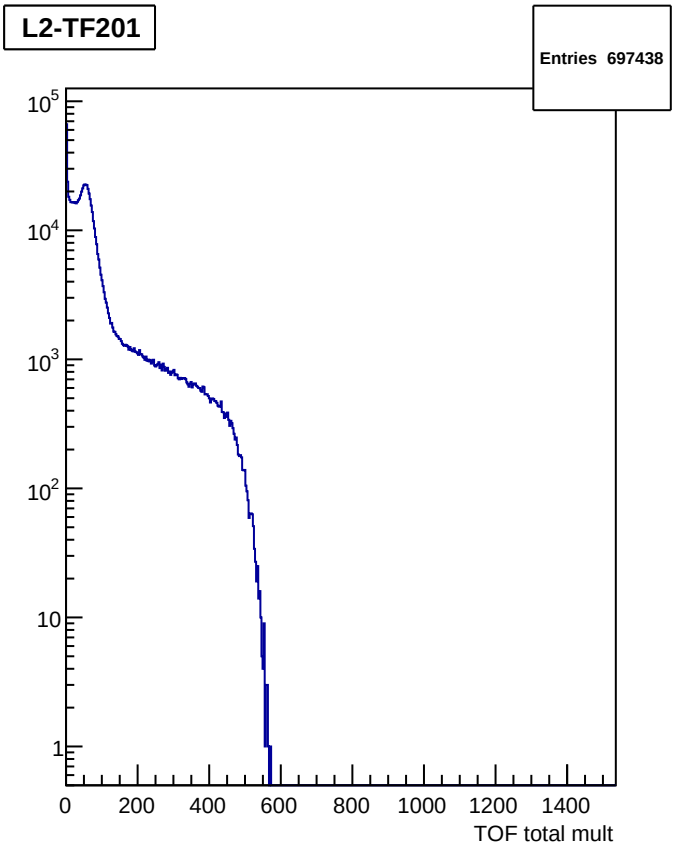

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

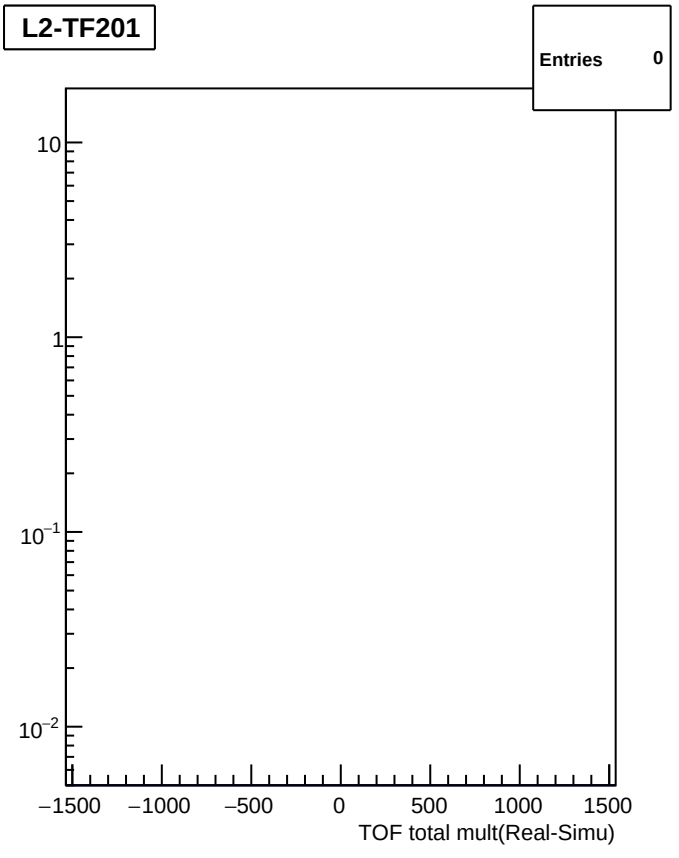

MIX-TF101
Entries 4184628
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

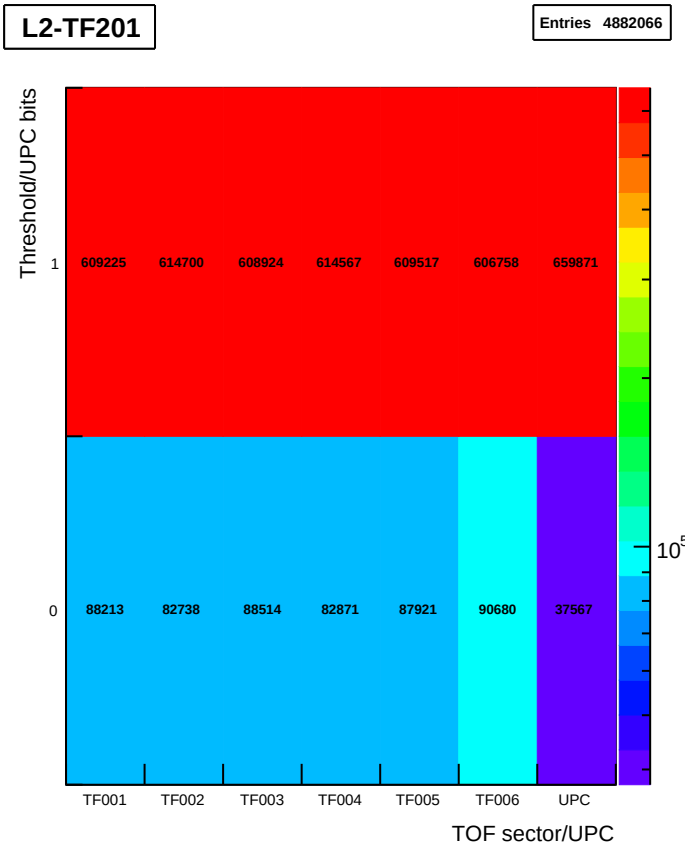

MIX-TF101
Entries 239277
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

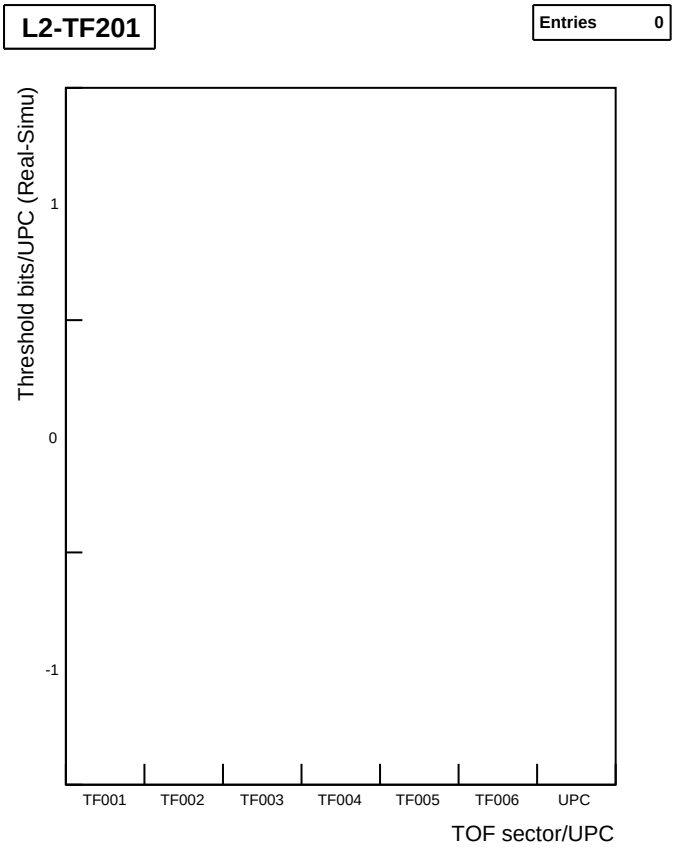

MIX-TF101
Entries 4184628
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

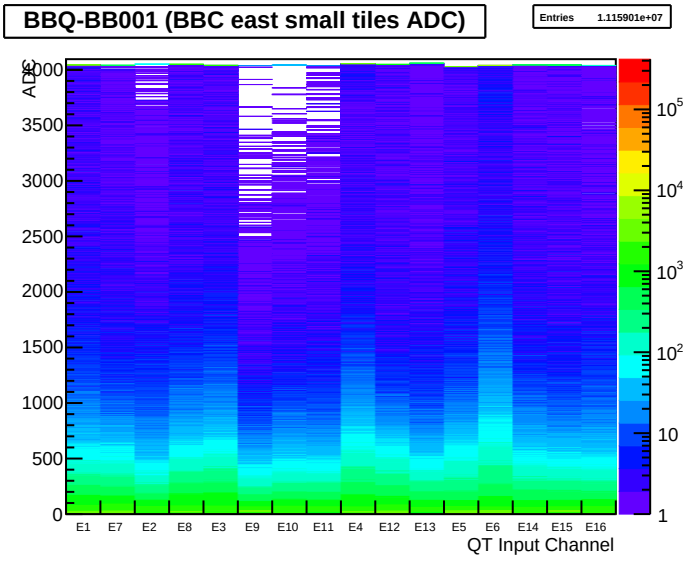

MIX-TF101
Entries 522416
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

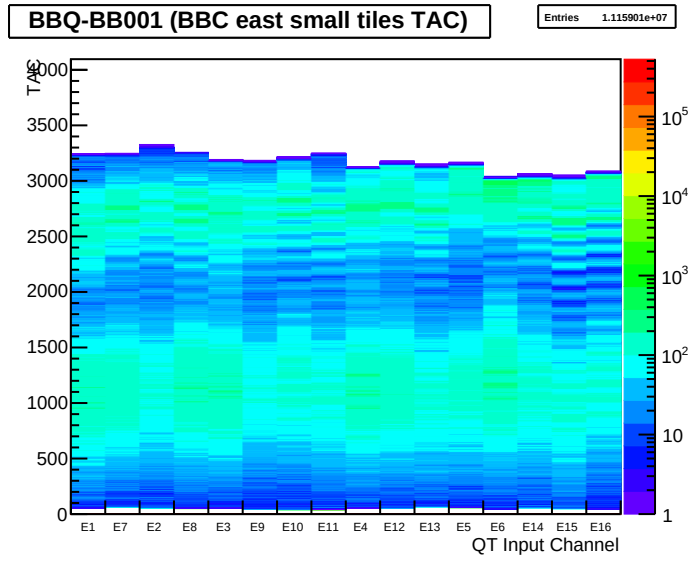

L2-TF201
Entries 697438
TOF total mult

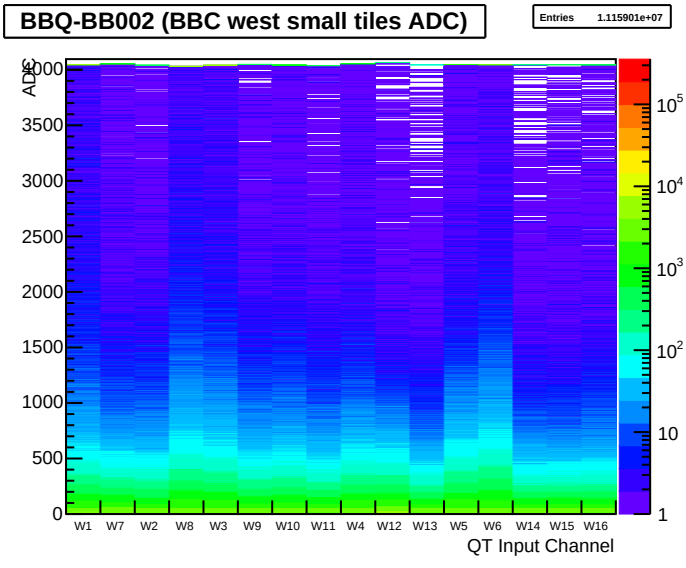

L2-TF201
Entries 0
TOF total mult(Real-Simu)

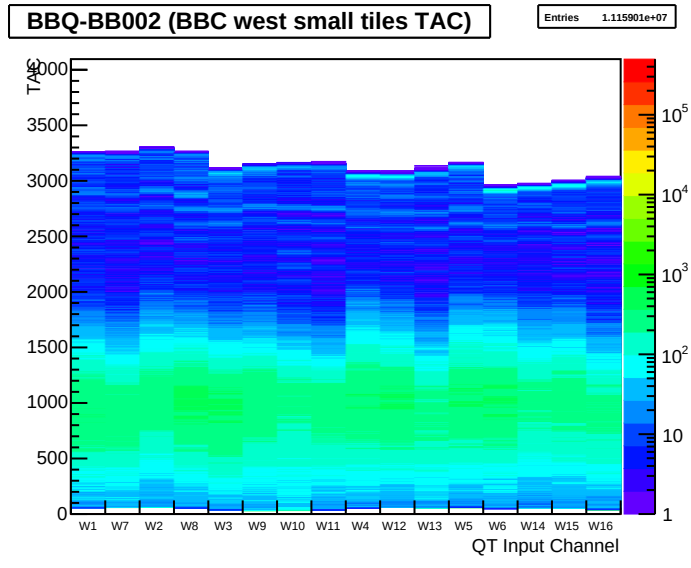

L2-TF201
Entries 4882066
Threshold/UPC bits
609225 614700 608924 614567 609517 606758 659871
88213 82738 88514 82871 87921 90680 37567
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

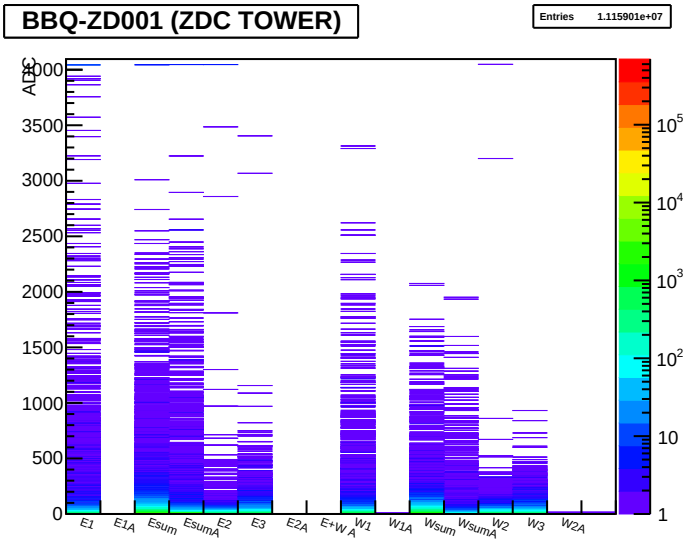

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

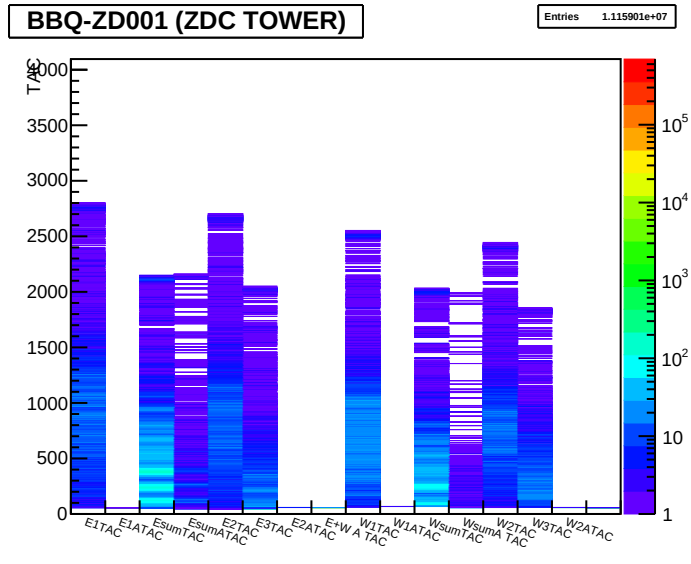

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.115901e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

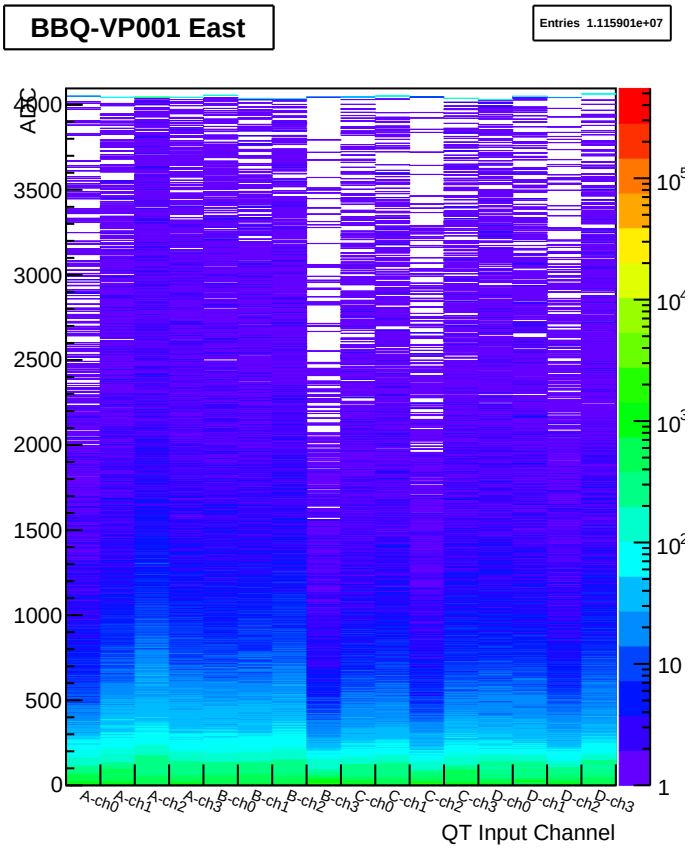

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.115901e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

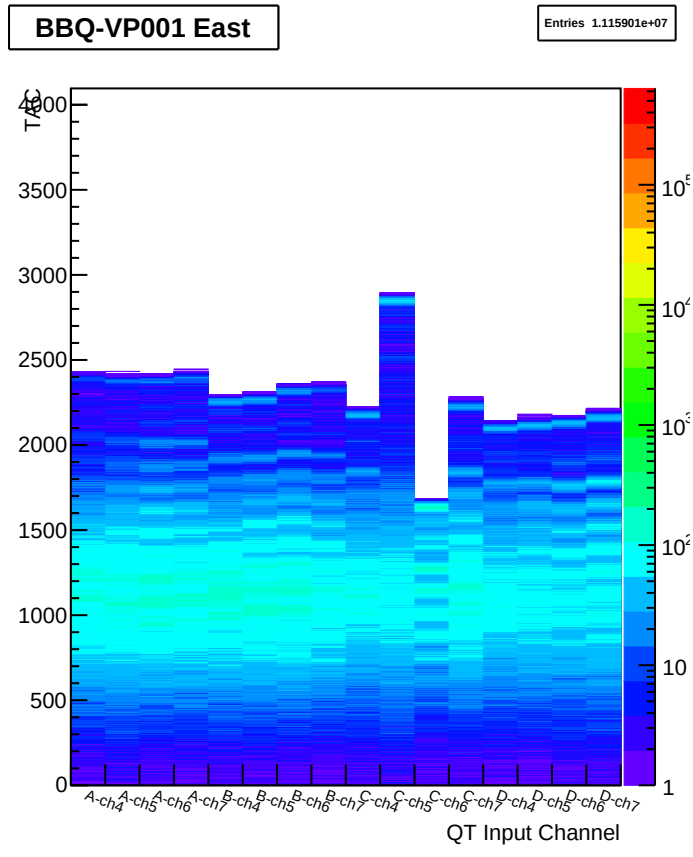

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.115901e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

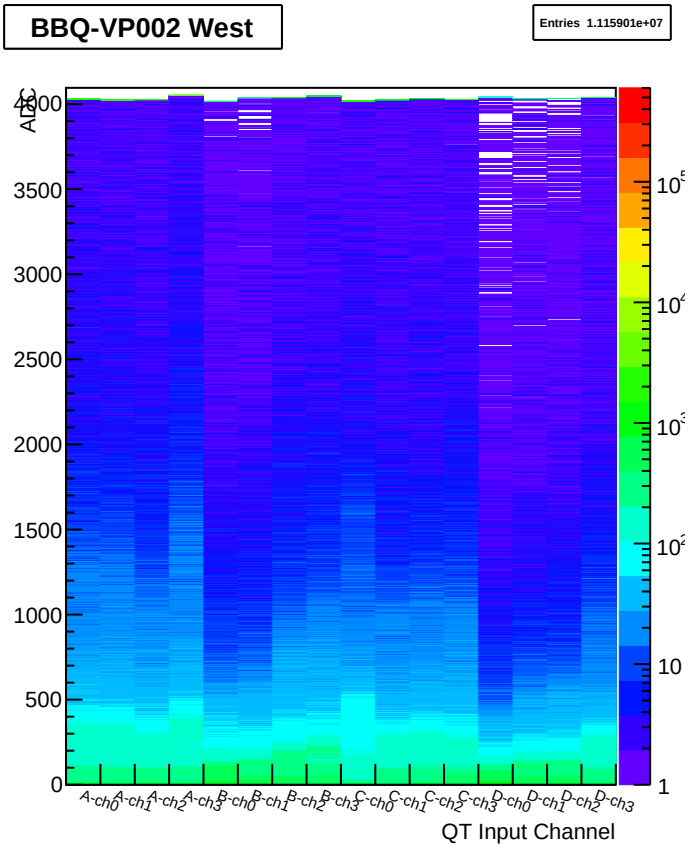

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.115901e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

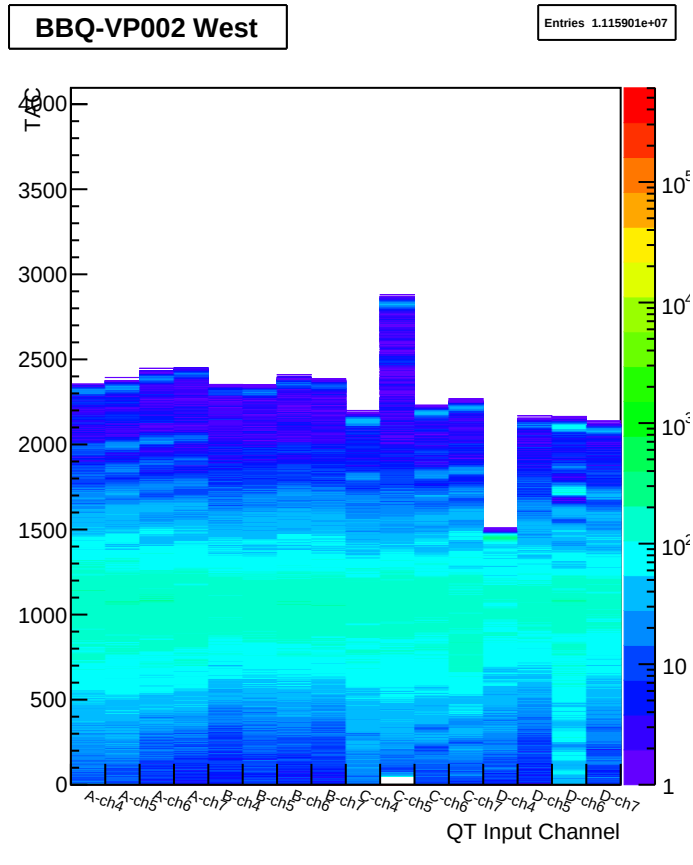

BBQ-ZD001 (ZDC TOWER)
Entries 1.115901e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

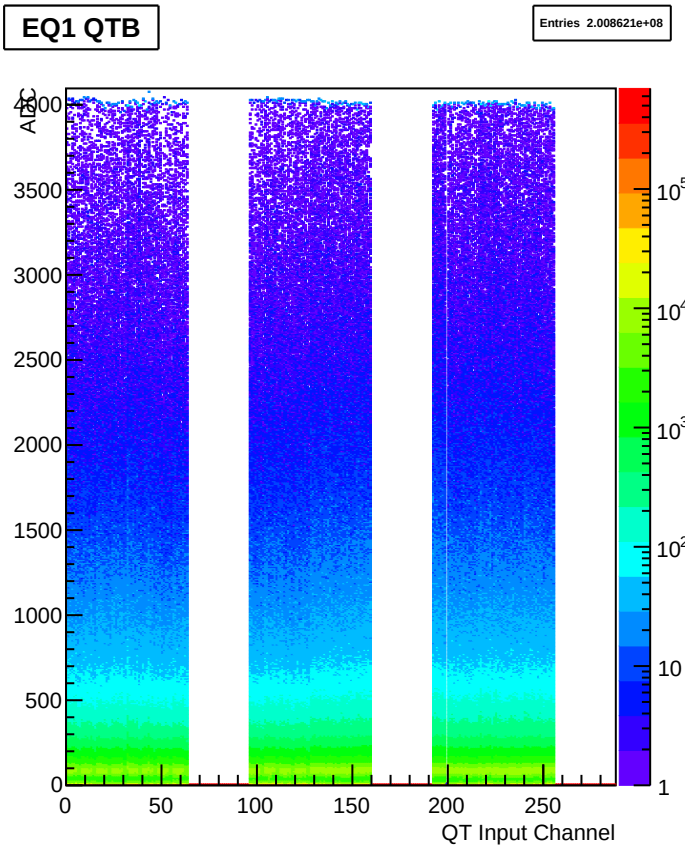

BBQ-ZD001 (ZDC TOWER)
Entries 1.115901e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

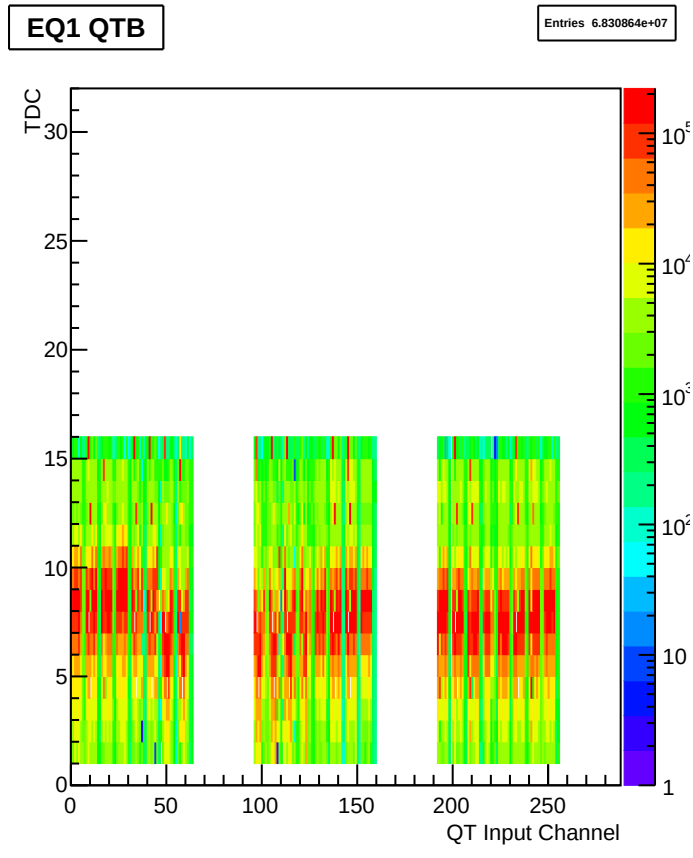

BBQ-VP001 East
Entries 1.115901e+07
ADC
QT Input Channel

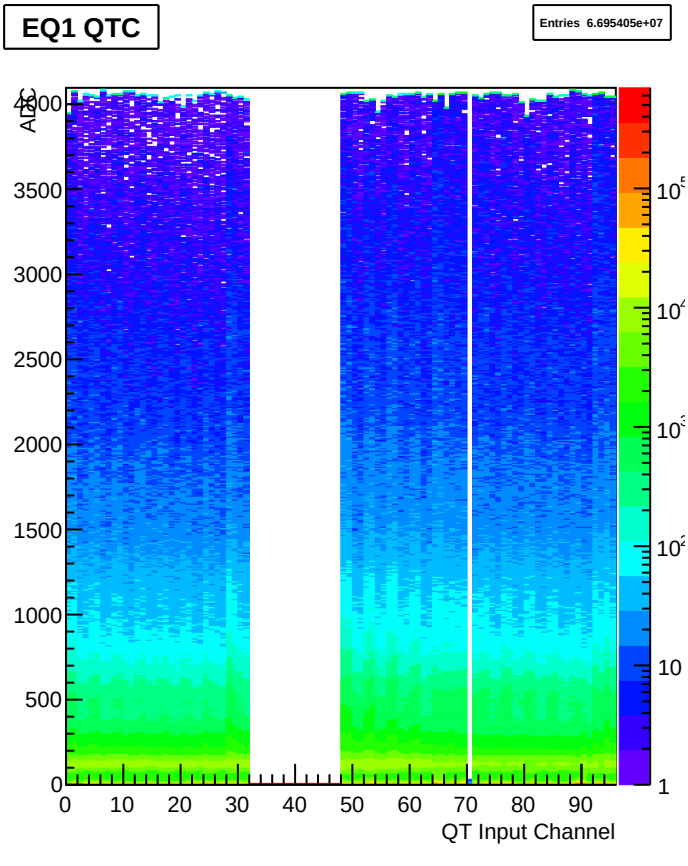

BBQ-VP001 East
Entries 1.115901e+07
ADC
QT Input Channel

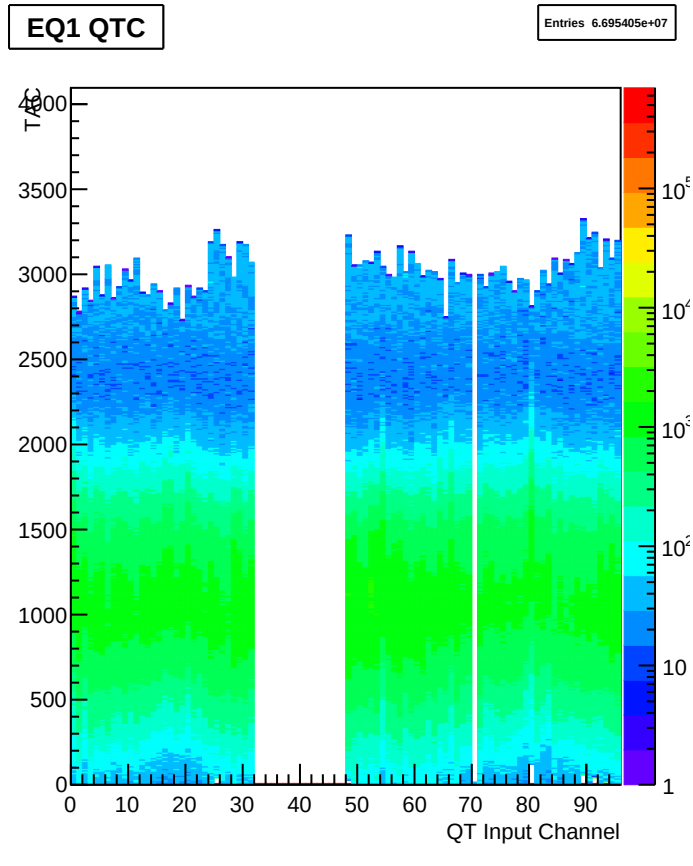

BBQ-VP002 West
Entries 1.115901e+07
ADC
QT Input Channel

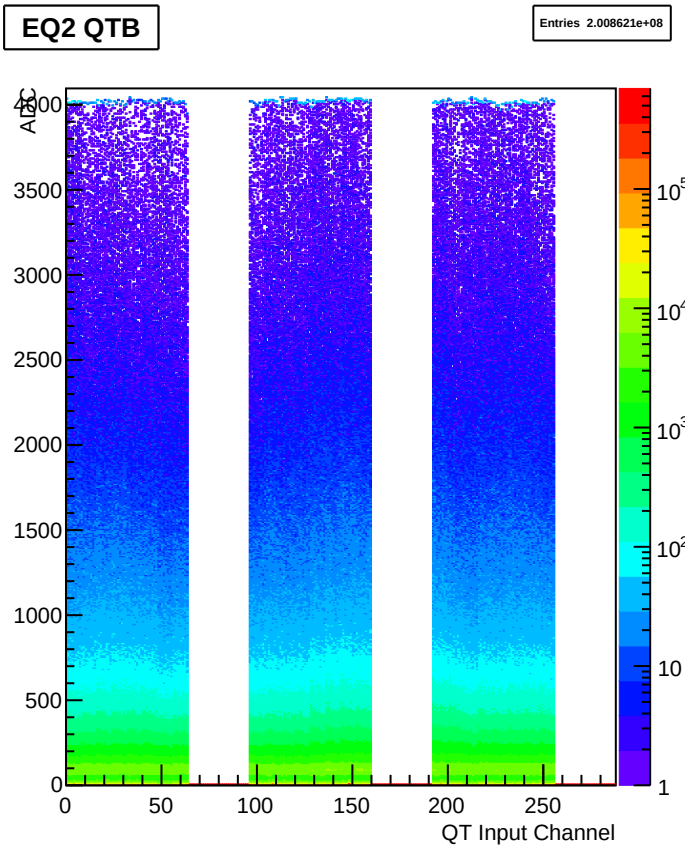

BBQ-VP002 West
Entries 1.115901e+07
ADC
QT Input Channel

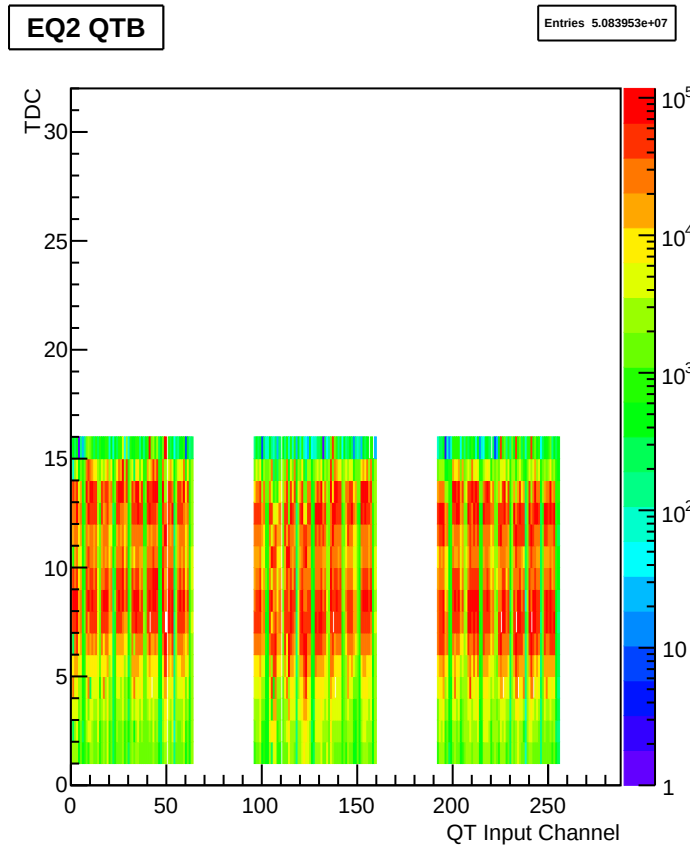

EQ1 QTB
Entries 2.008621e+08
ADC
QT Input Channel

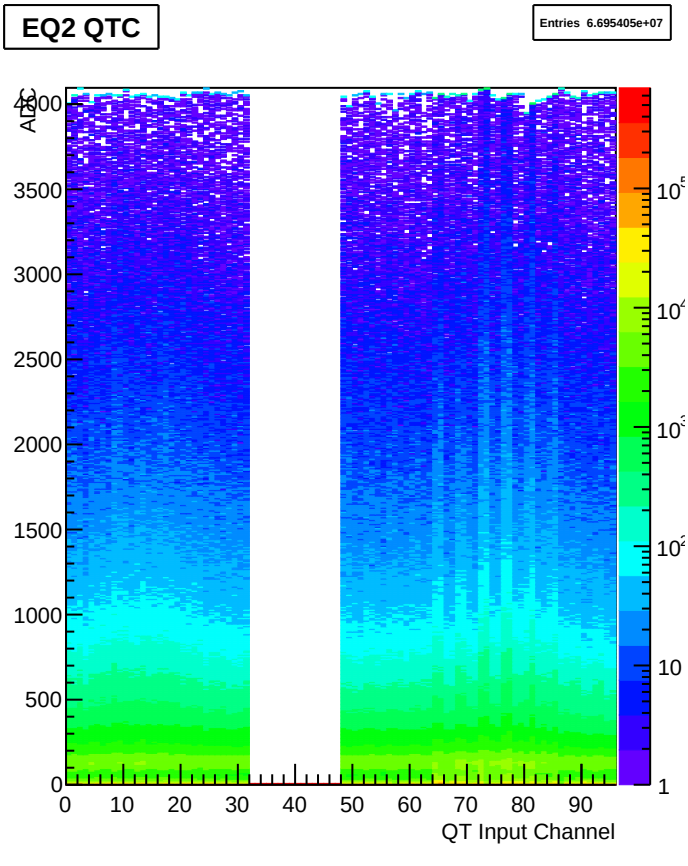

EQ1 QTB
Entries 6.830864e+07
TDC
QT Input Channel

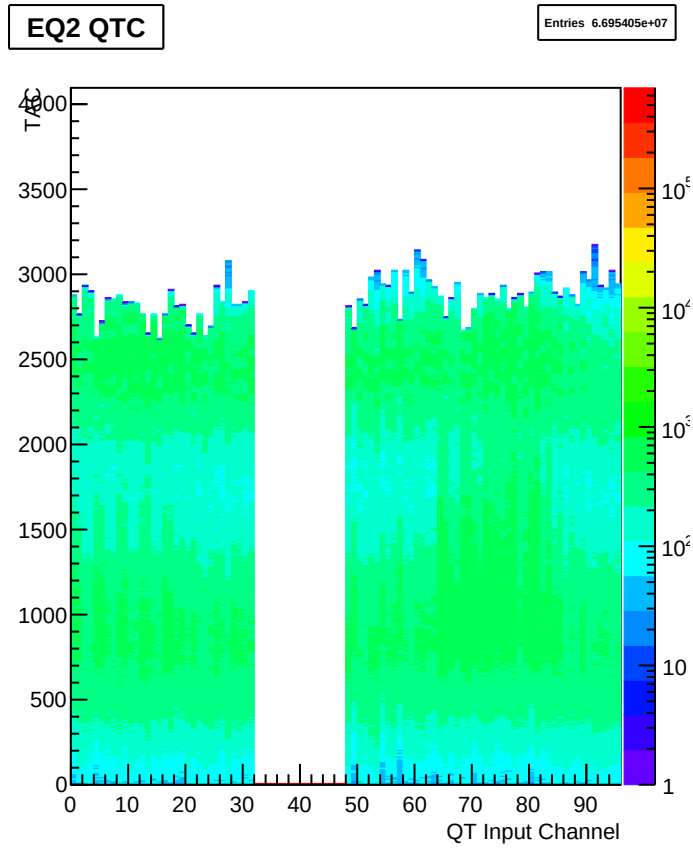

EQ1 QTC
Entries 6.695405e+07
ADC
QT Input Channel

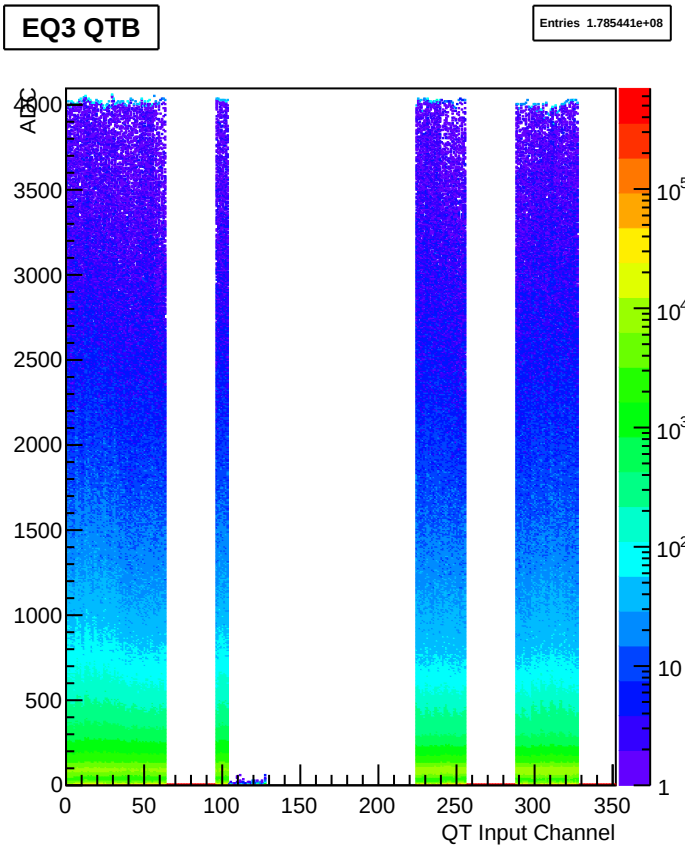

EQ1 QTC
Entries 6.695405e+07
TADC
QT Input Channel

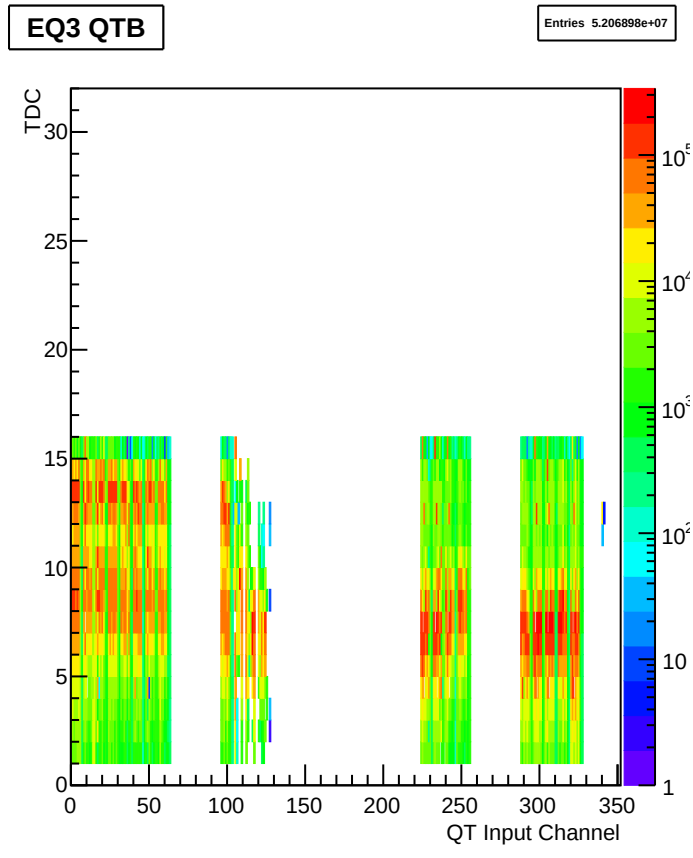

EQ2 QTB
Entries 2.008621e+08
ADC
QT Input Channel

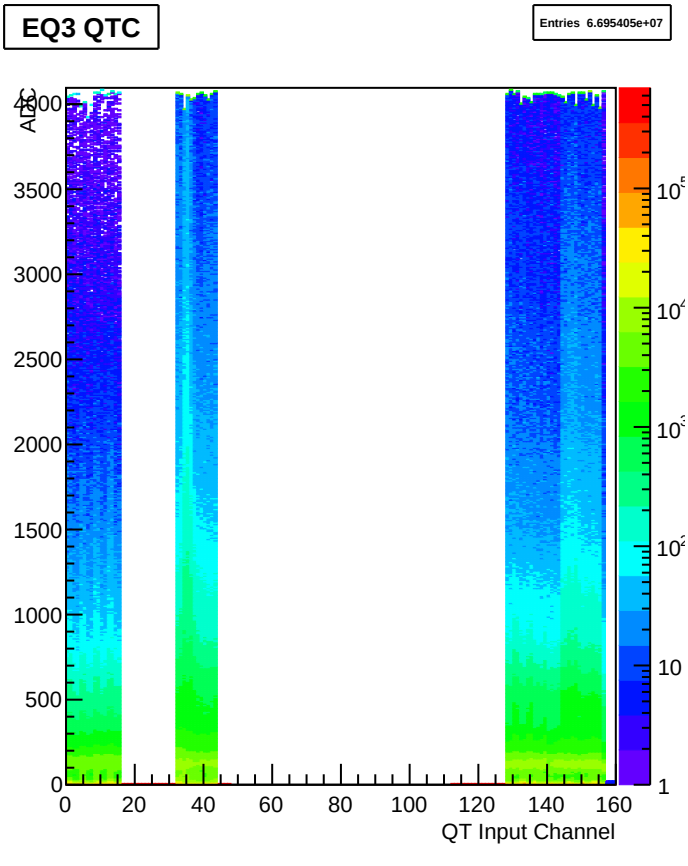

EQ2 QTB
Entries 5.083953e+07
TDC
QT Input Channel

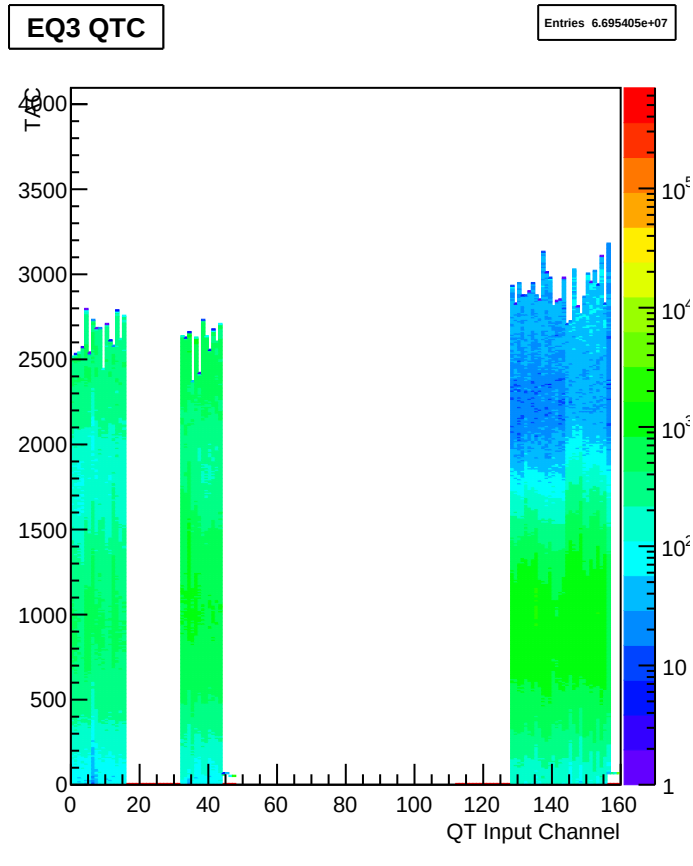

EQ2 QTC
Entries 6.695405e+07
ADC
QT Input Channel

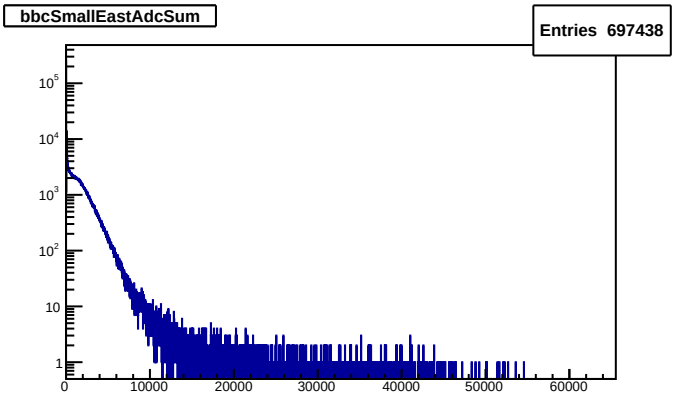

EQ2 QTC
Entries 6.695405e+07
TADC
QT Input Channel

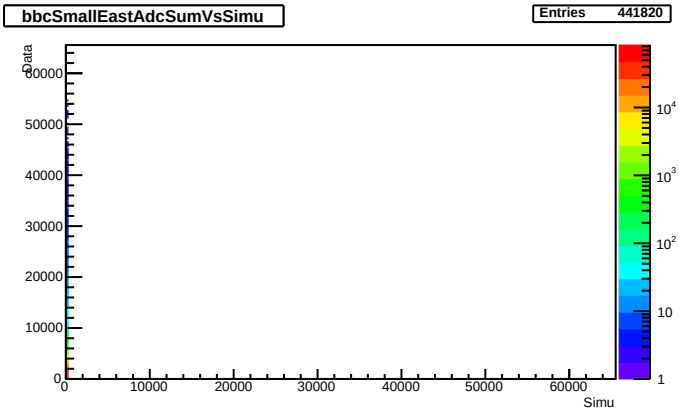

EQ3 QTB
Entries 1.785441e+08
ADC
QT Input Channel

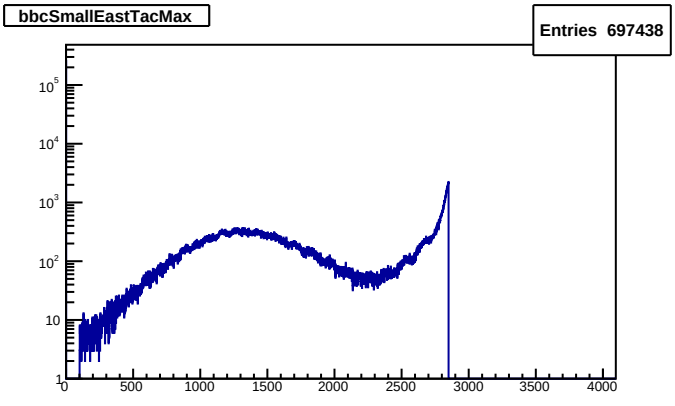

EQ3 QTB
Entries 5.206898e+07
TDC
QT Input Channel

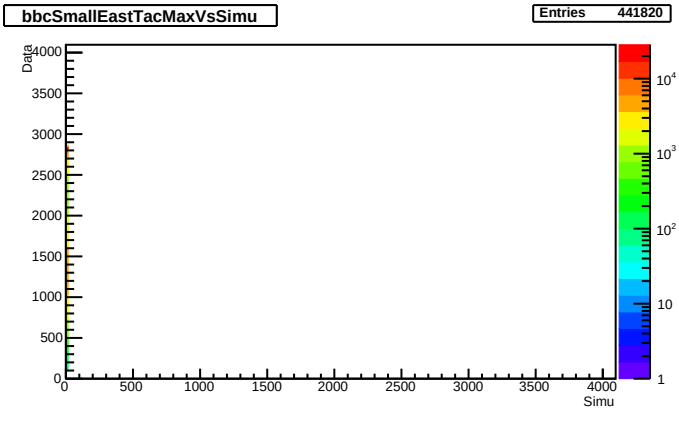

EQ3 QTC
Entries 6.695405e+07
ADC
QT Input Channel

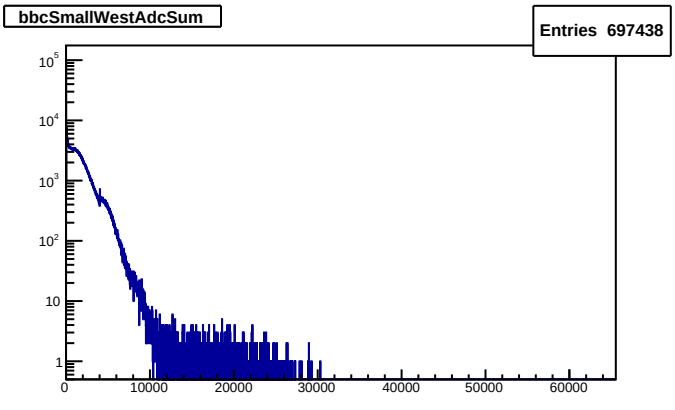

EQ3 QTC
Entries 6.695405e+07
TADC
QT Input Channel

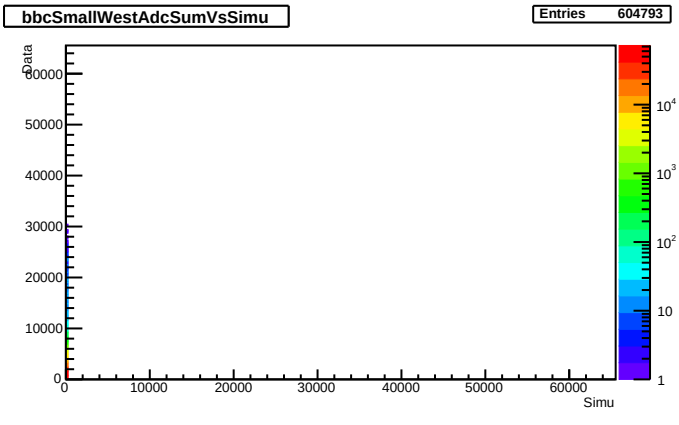

bbcSmallEastAdcSum
Entries 697438

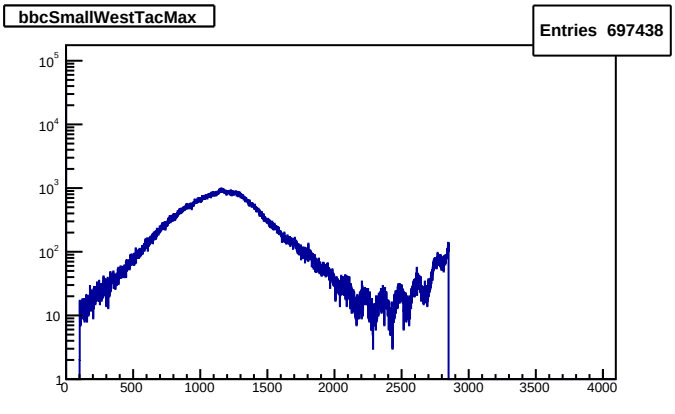

bbcSmallEastAdcSumVsSimu
Entries 441820
Data
Simu

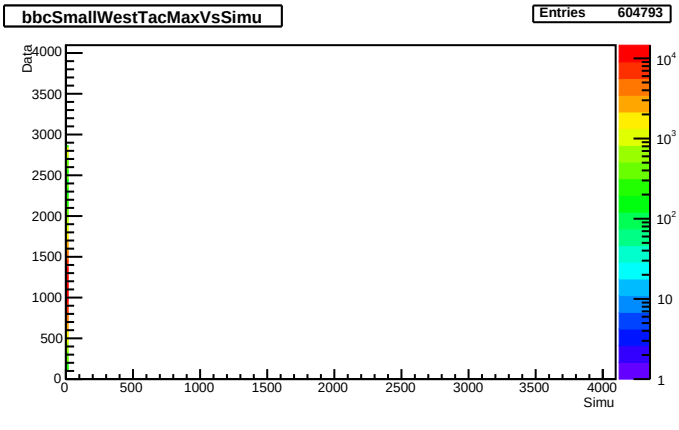

bbcSmallEastTacMax
Entries 697438

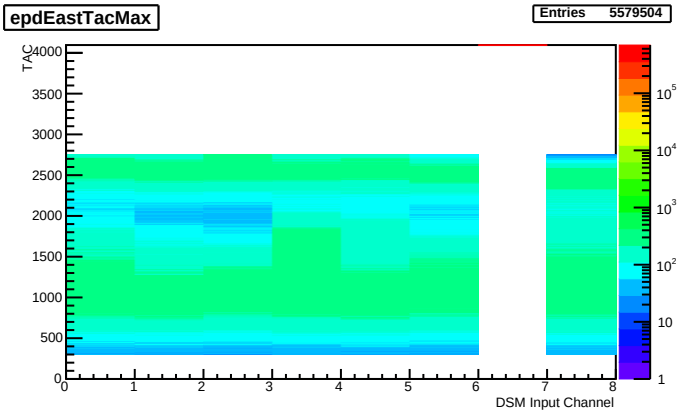

bbcSmallEastTacMaxVsSimu
Entries 441820
Data
Simu

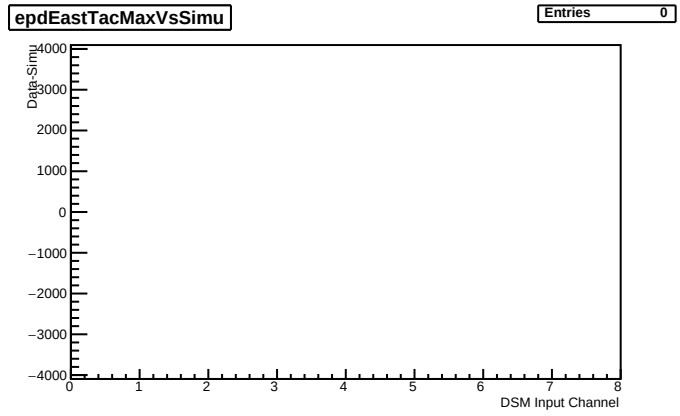

bbcSmallWestAdcSum
Entries 697438

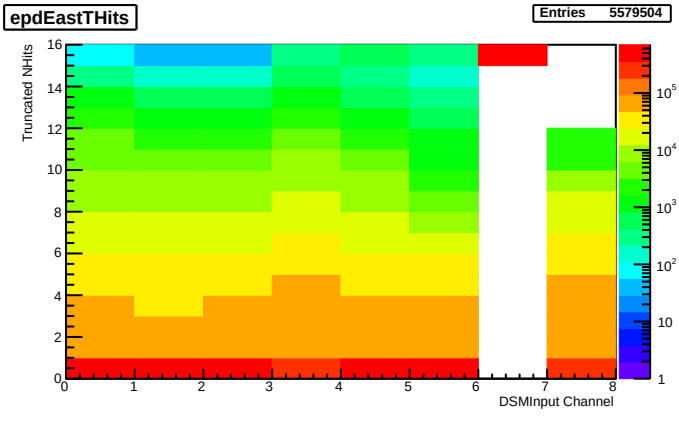

bbcSmallWestAdcSumVsSimu
Entries 604793
Data
Simu

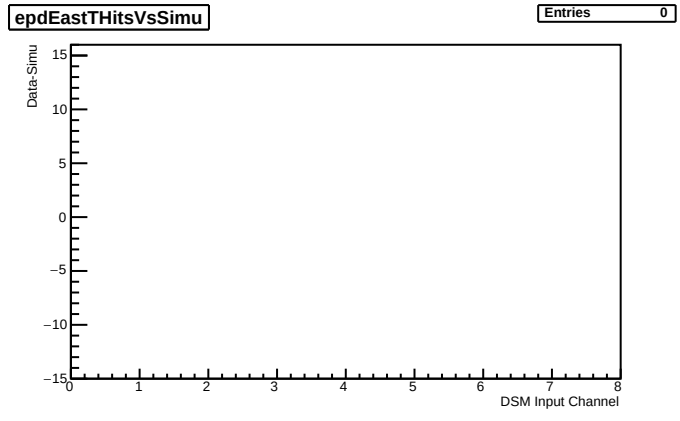

bbcSmallWestTacMax
Entries 697438

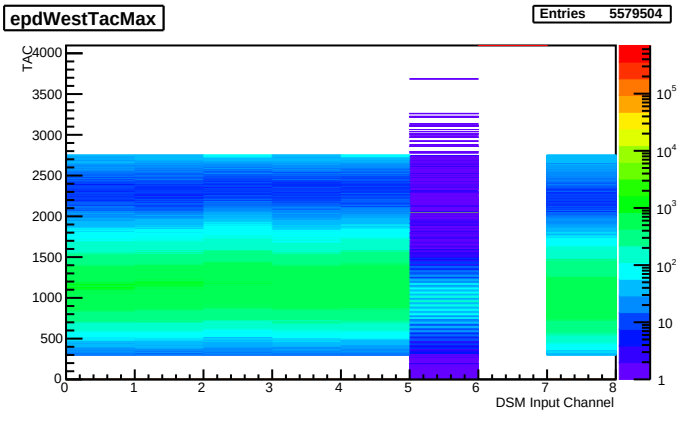

bbcSmallWestTacMaxVsSimu
Entries 604793
Data
Simu

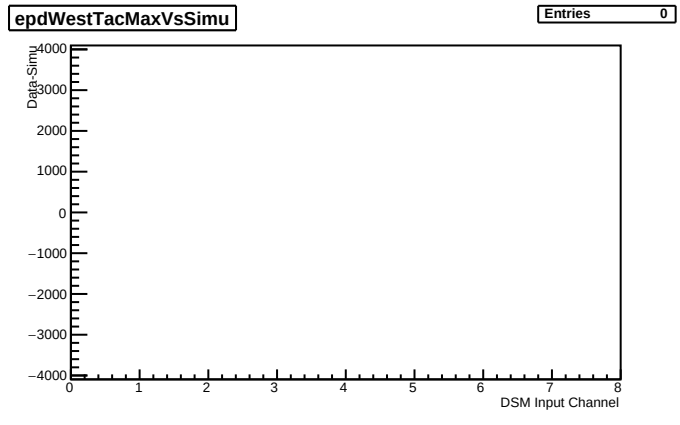

epdEastTacMax
Entries 5579504
TAC
DSM Input Channel

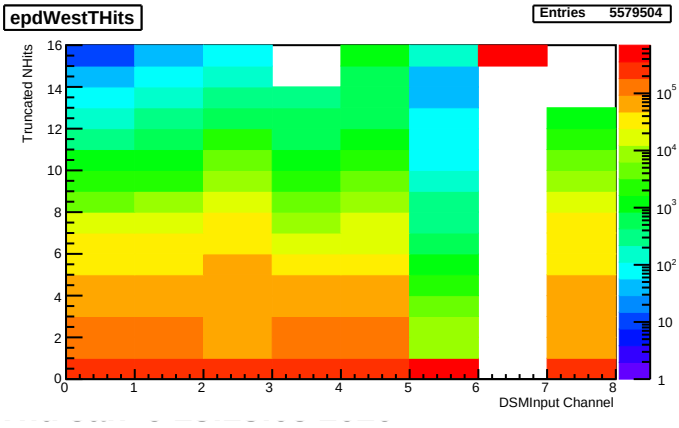

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

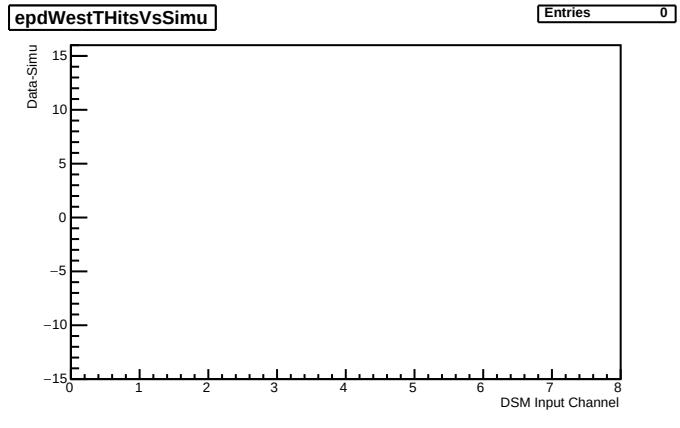

epdEastTHits
Entries 5579504
Truncated NHits
DSMInput Channel

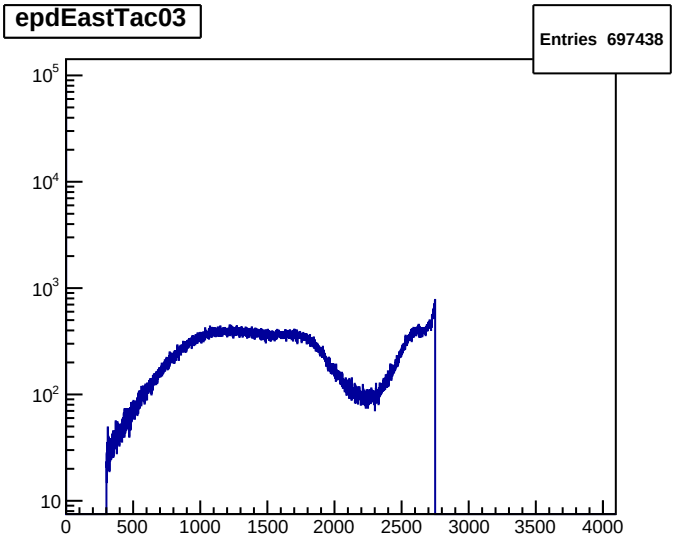

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

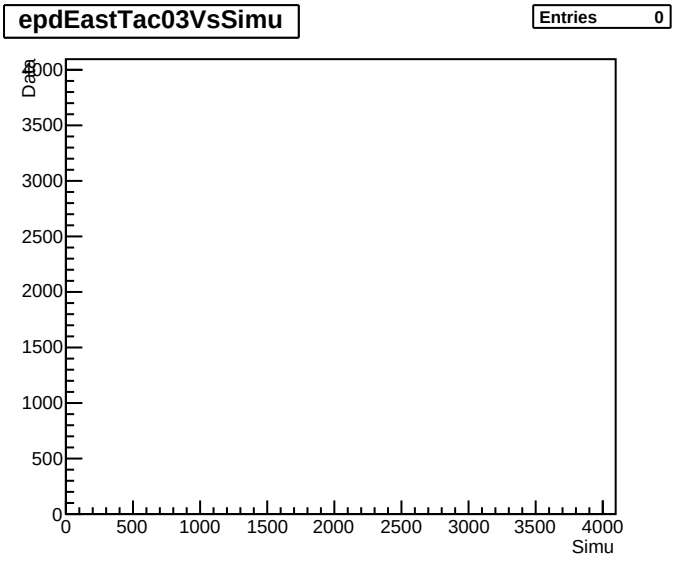

epdWestTacMax
Entries 5579504
TAC
DSM Input Channel

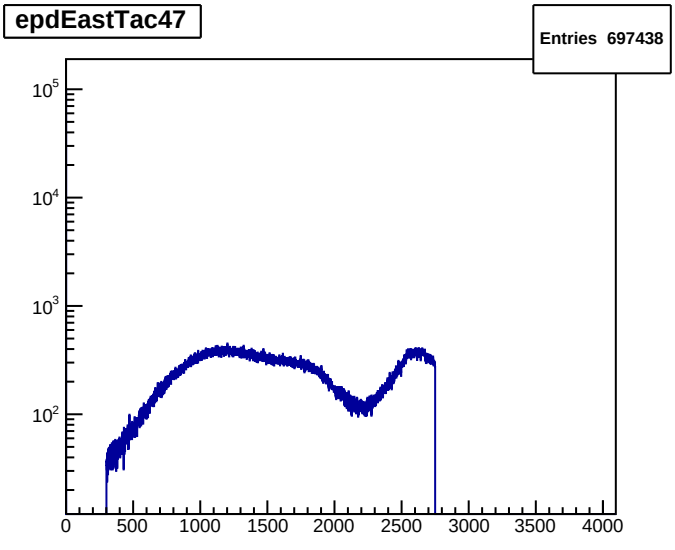

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

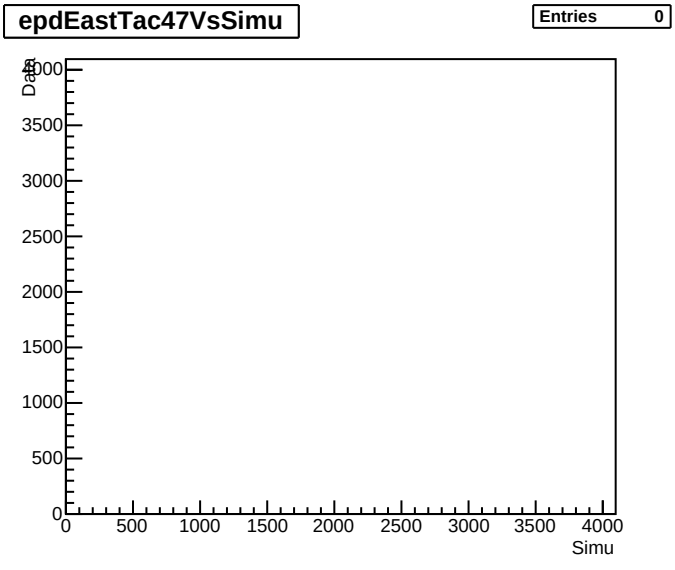

epdWestTHits
Entries 5579504
Truncated NHits
DSMInput Channel

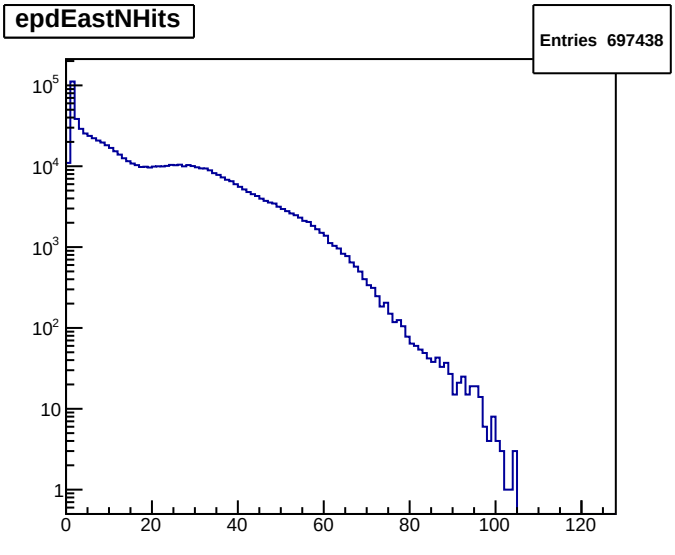

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

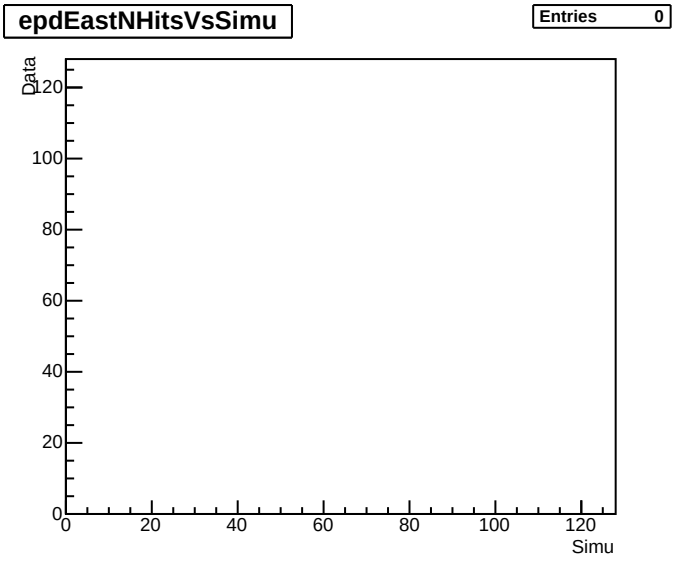

epdEastTac03
Entries 697438

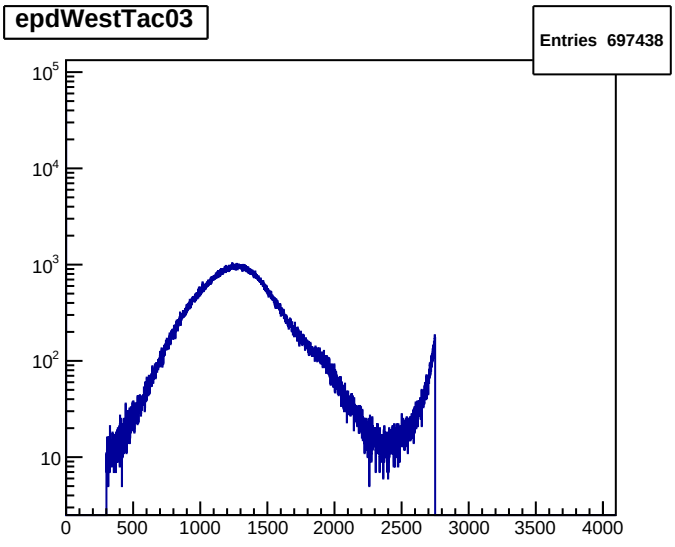

epdEastTac03VsSimu
Entries 0
Data
Simu

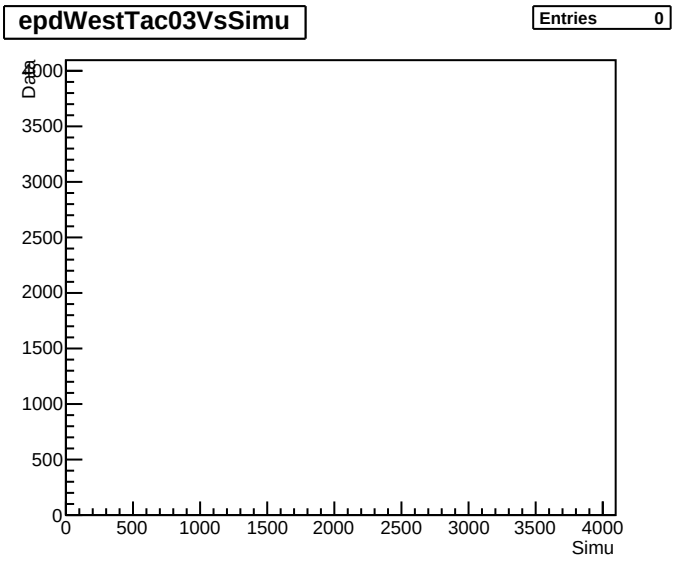

epdEastTac47
Entries 697438

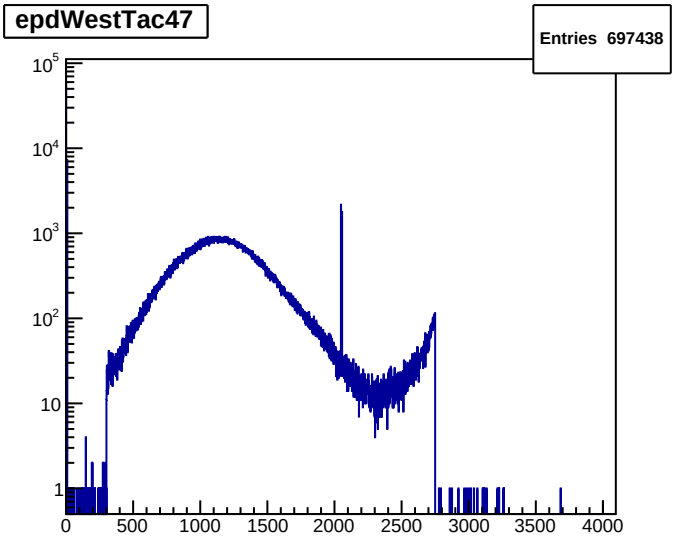

epdEastTac47VsSimu
Entries 0
Data
Simu

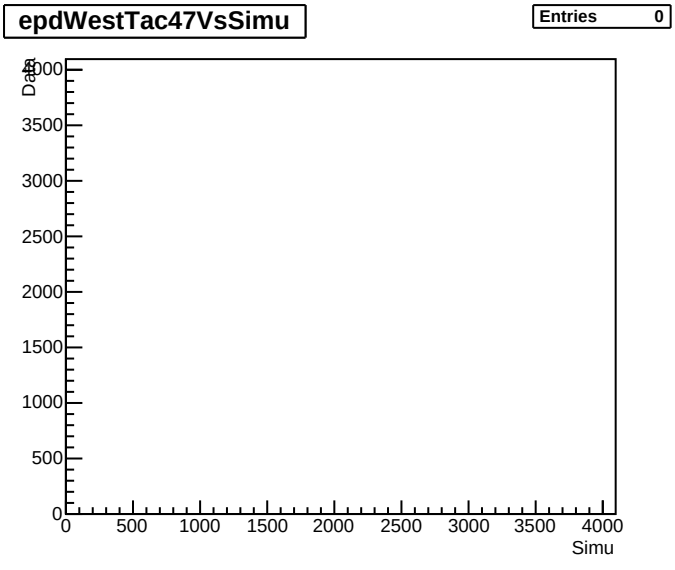

epdEastNHits
Entries 697438

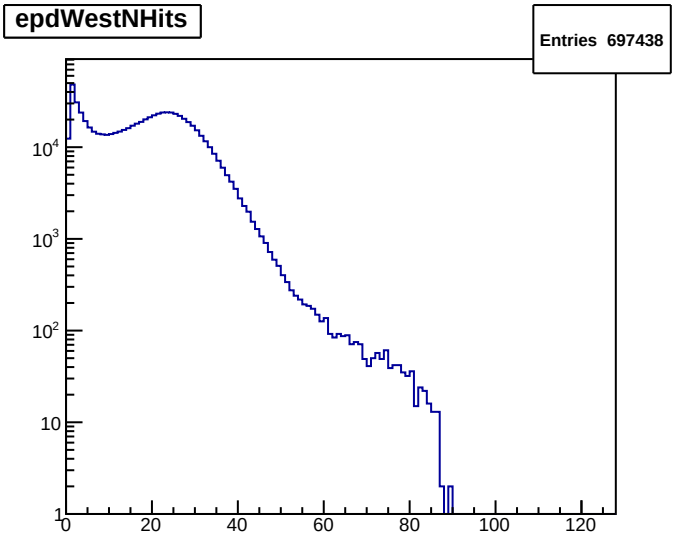

epdEastNHitsVsSimu
Entries 0
Data
Simu

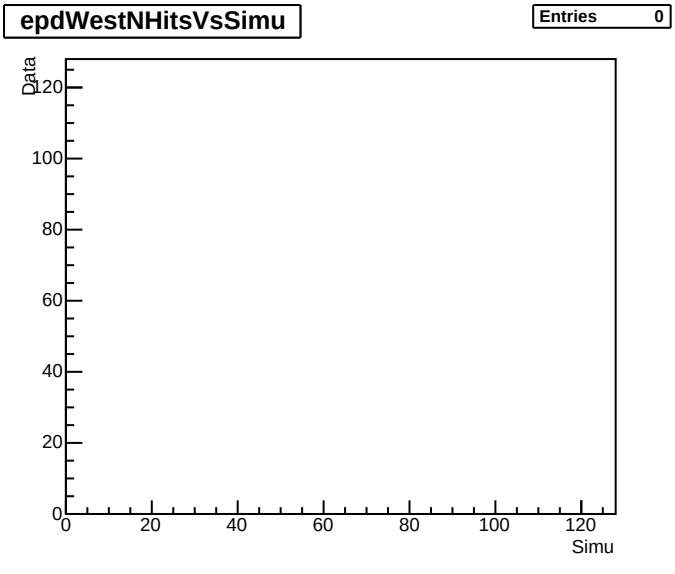

epdWestTac03
Entries 697438

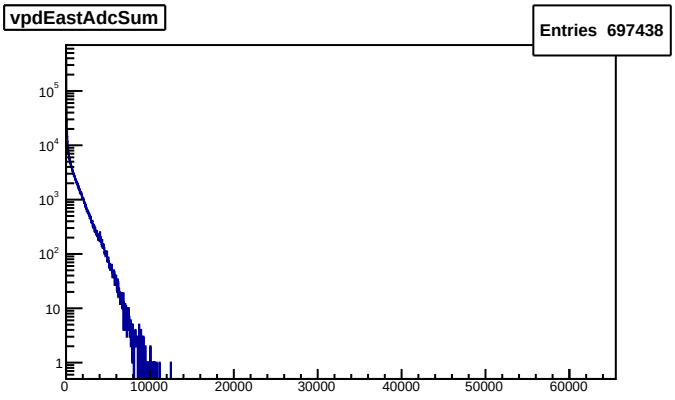

epdWestTac03VsSimu
Entries 0
Data
Simu

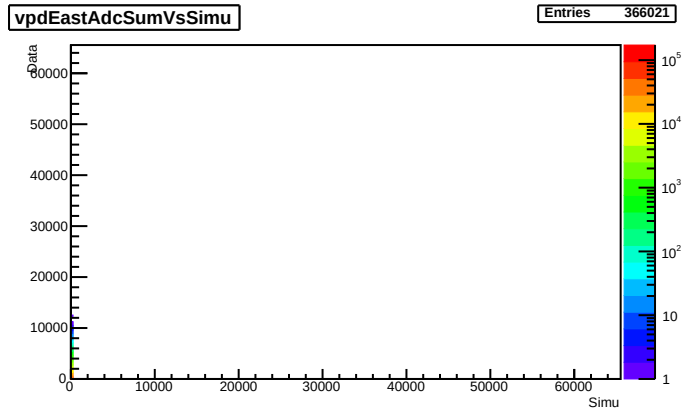

epdWestTac47
Entries 697438

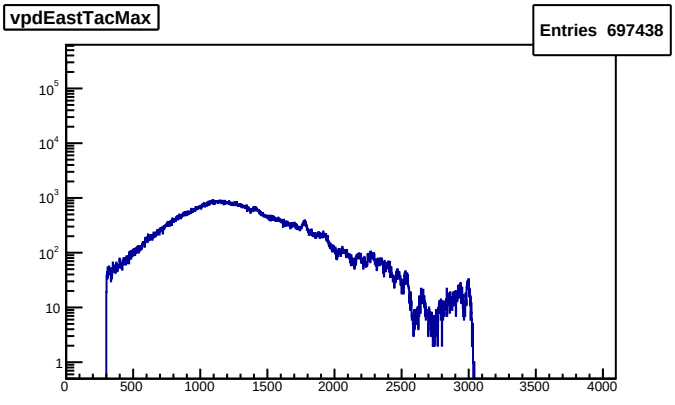

epdWestTac47VsSimu
Entries 0
Data
Simu

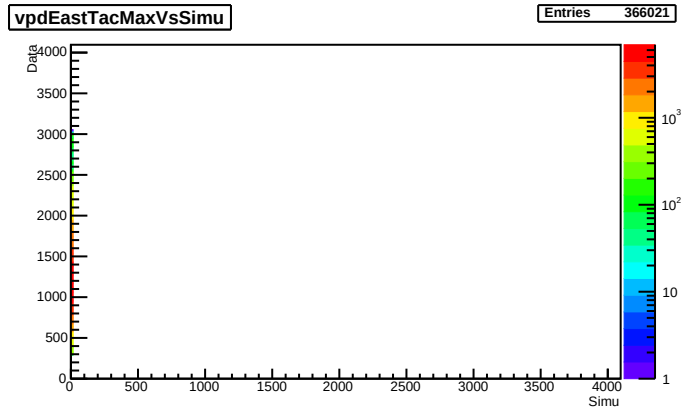

epdWestNHits
Entries 697438

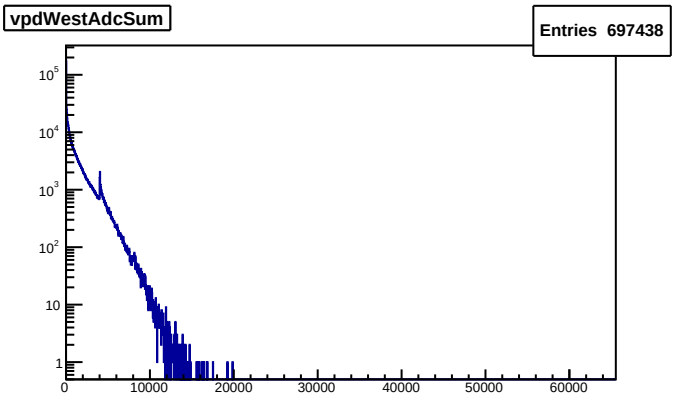

epdWestNHitsVsSimu
Entries 0
Data
Simu

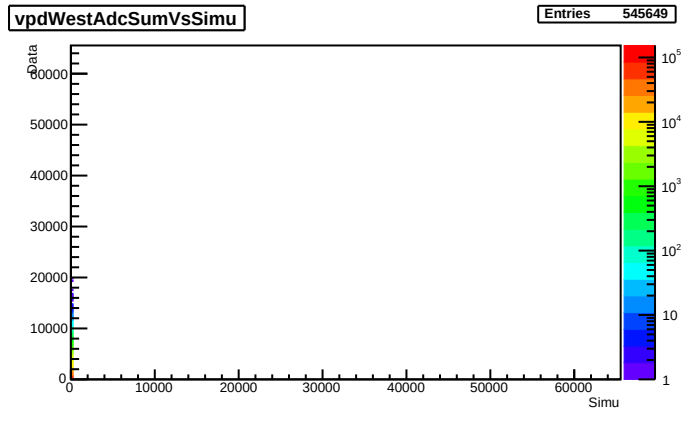

vpdEastAdcSum
Entries 697438

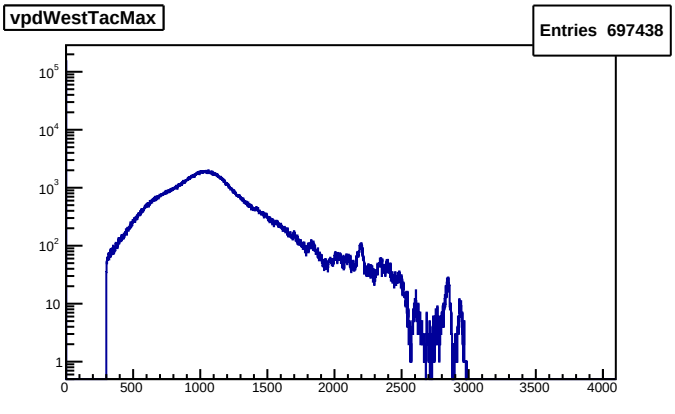

vpdEastAdcSumVsSimu
Entries 366021
Data
Simu

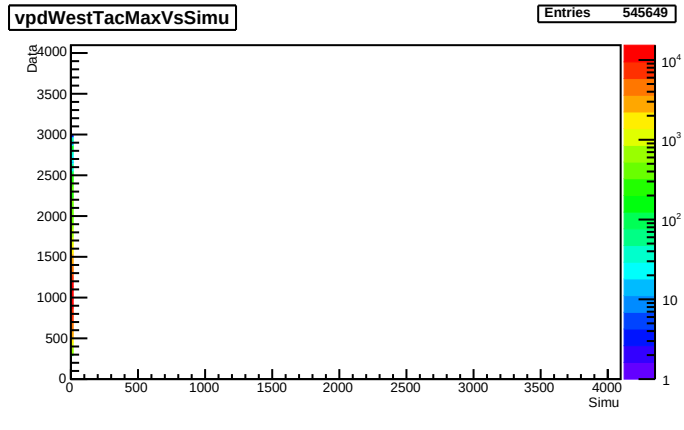

vpdEastTacMax
Entries 697438

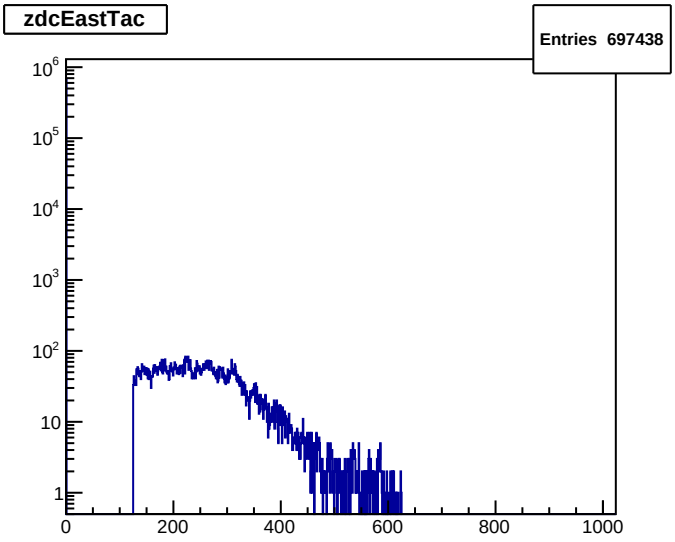

vpdEastTacMaxVsSimu
Entries 366021
Data
Simu

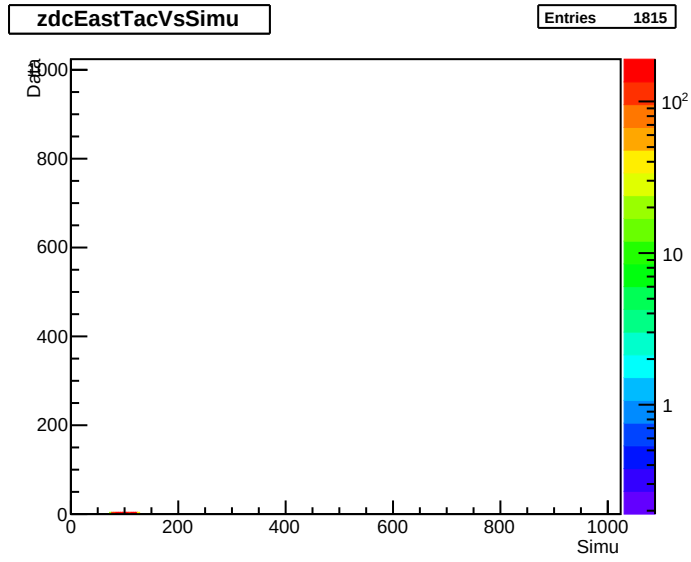

vpdWestAdcSum
Entries 697438

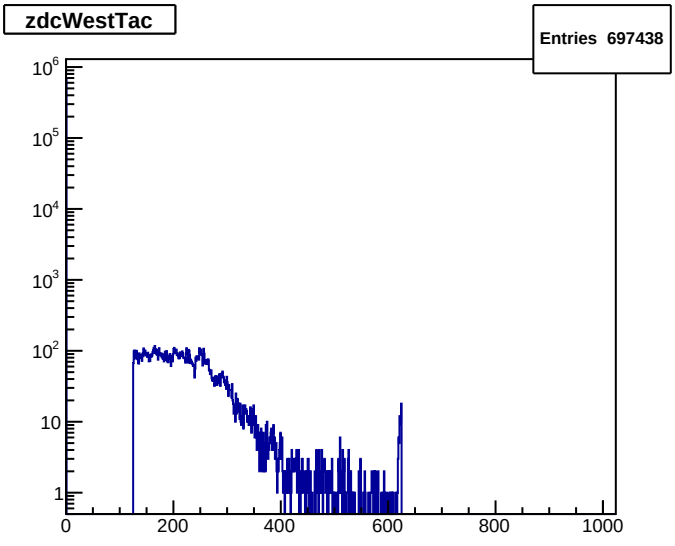

vpdWestAdcSumVsSimu
Entries 545649
Data
Simu

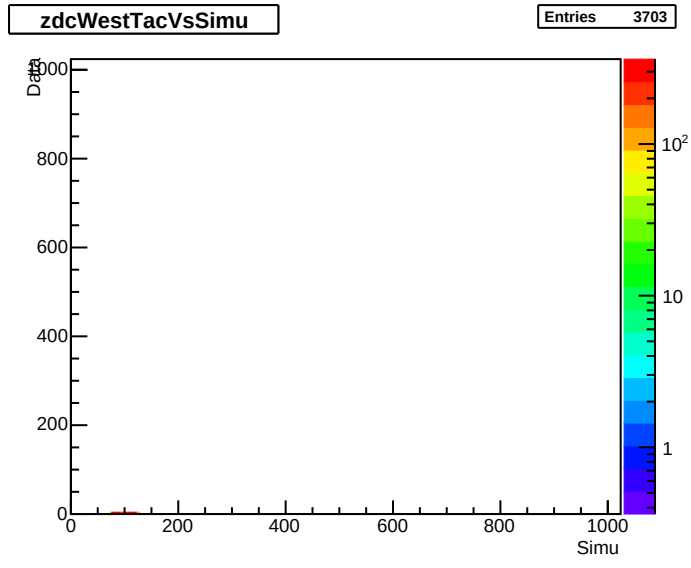

vpdWestTacMax
Entries 697438

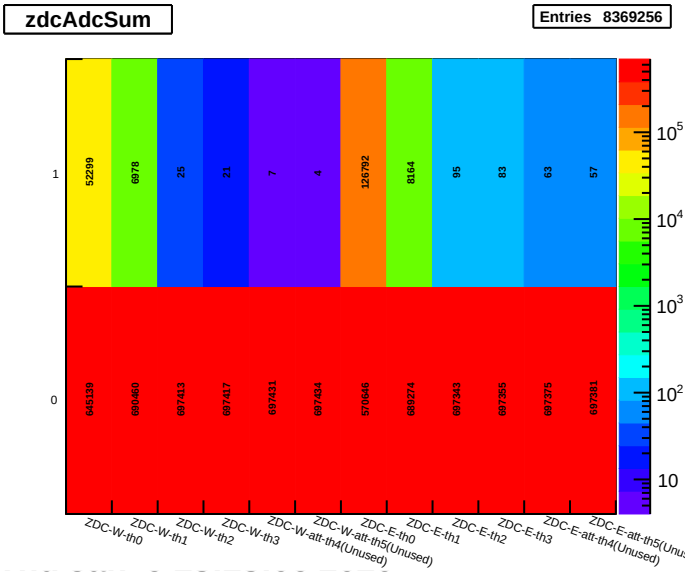

vpdWestTacMaxVsSimu
Entries 545649
Data
Simu

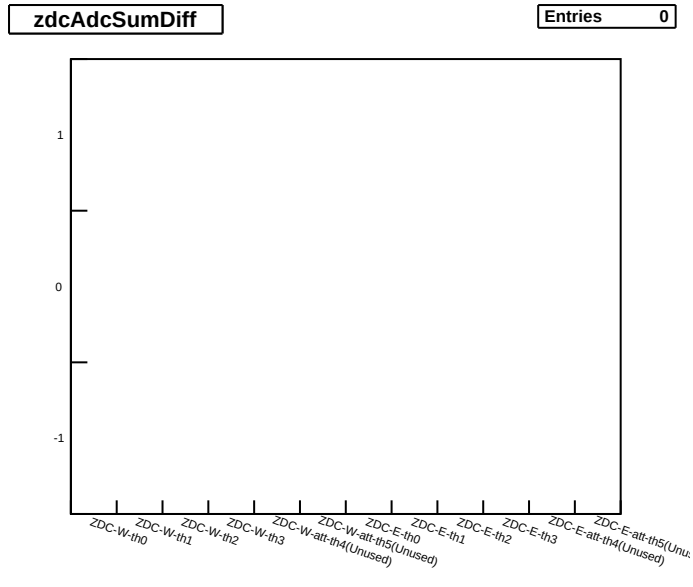

zdcEastTac
Entries 697438

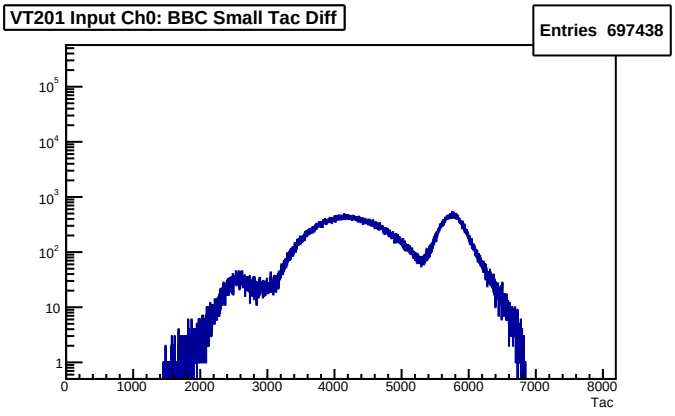

zdcEastTacVsSimu
Entries 1815
Data
Simu

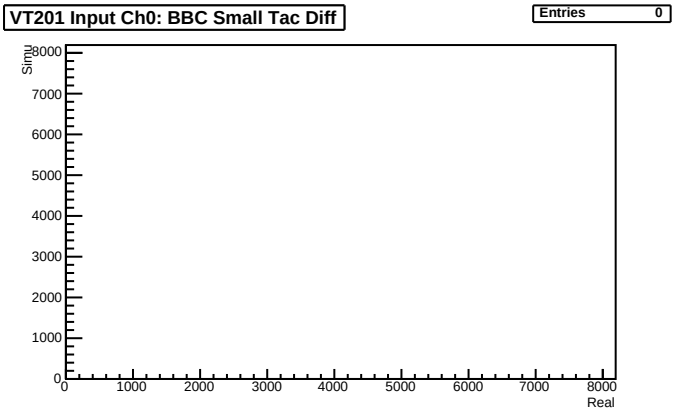

zdcWestTac
Entries 697438

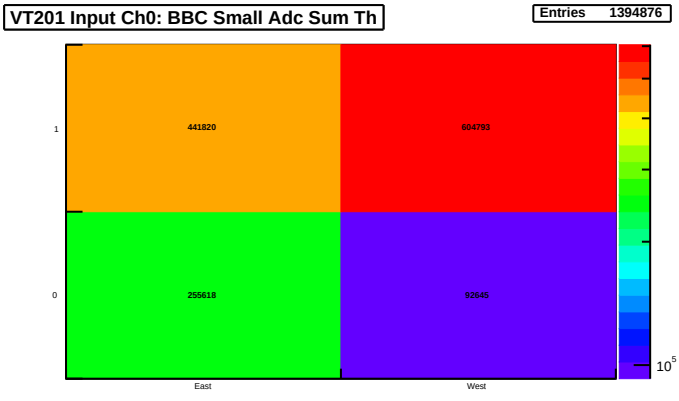

zdcWestTacVsSimu
Entries 3703
Data
Simu

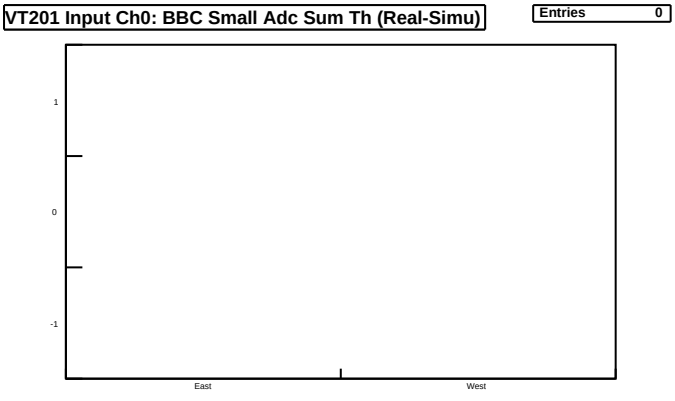

zdcAdcSum
Entries 8369256
52299
6978
25
21
7
4
126792
8164
95
83
63
57
645139
680460
697413
697417
697431
697434
570646
689274
697343
697355
697375
697381
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

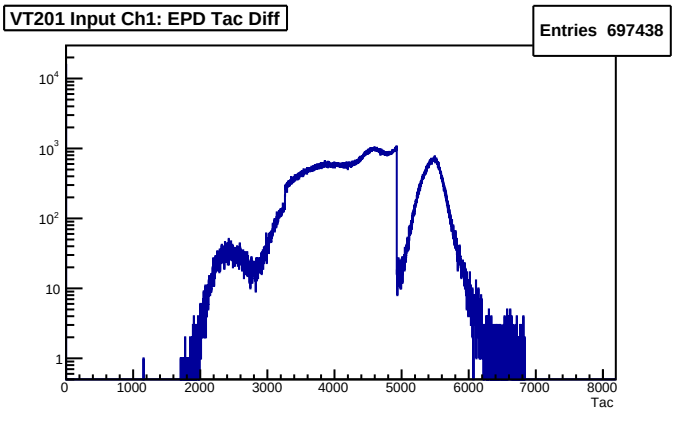

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

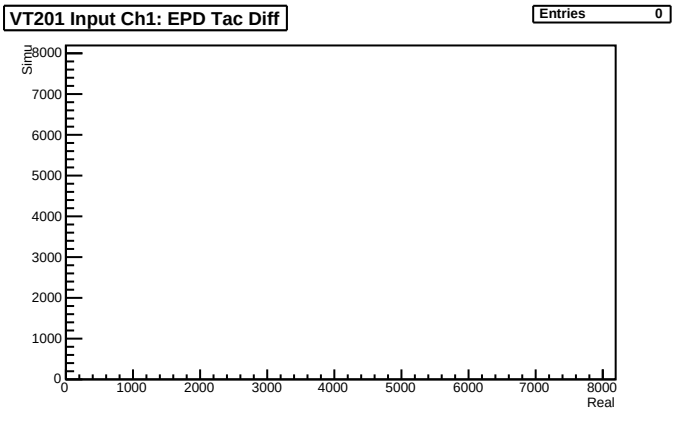

VT201 Input Ch0: BBC Small Tac Diff
Entries 697438
Tac

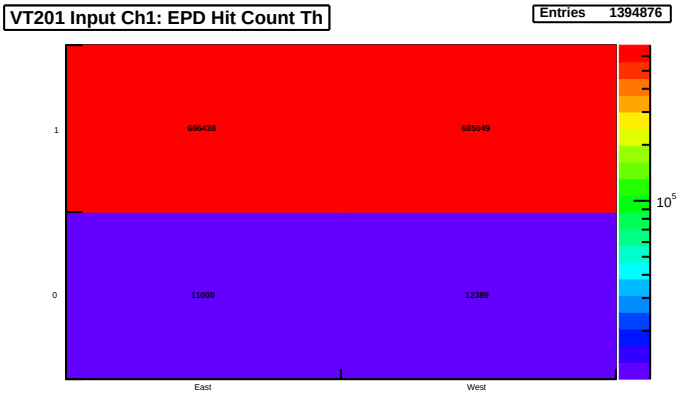

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

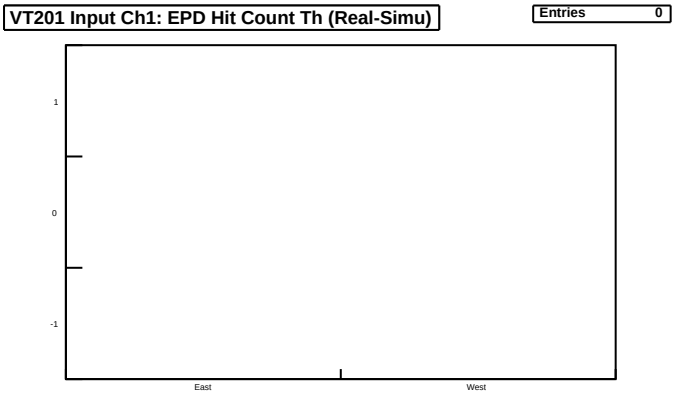

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1394876
441820
604793
255618
92645
East
West

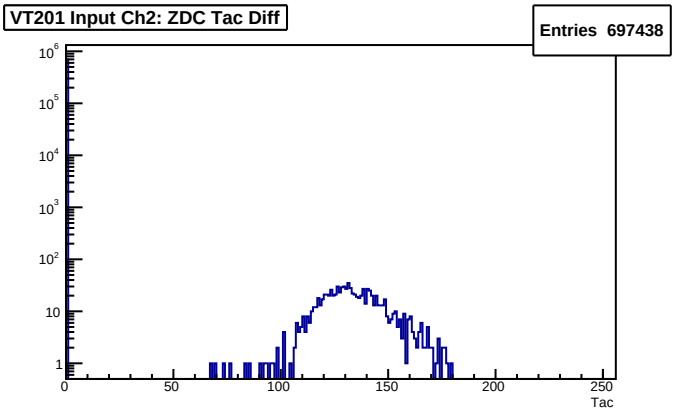

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

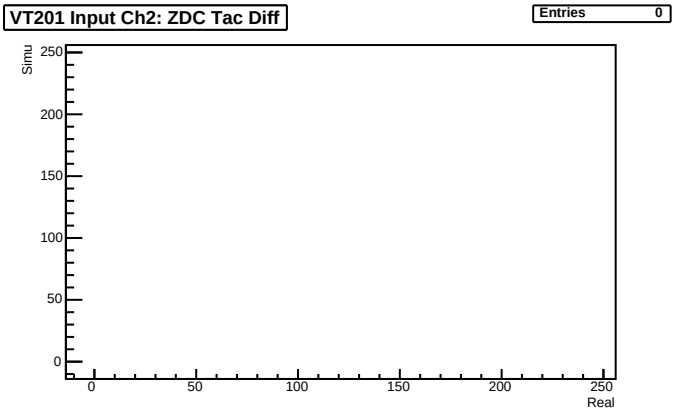

VT201 Input Ch1: EPD Tac Diff
Entries 697438
Tac

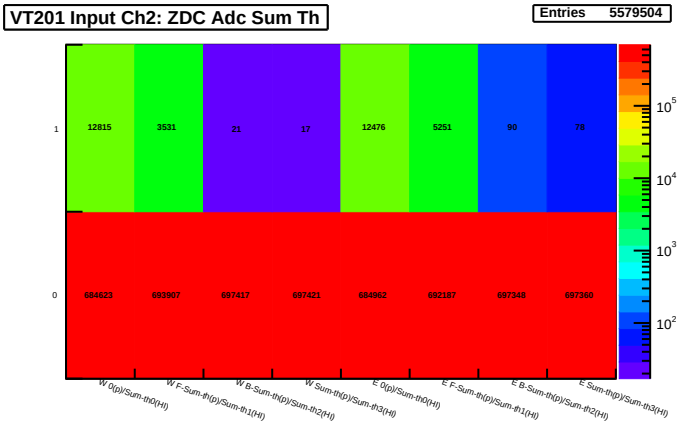

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

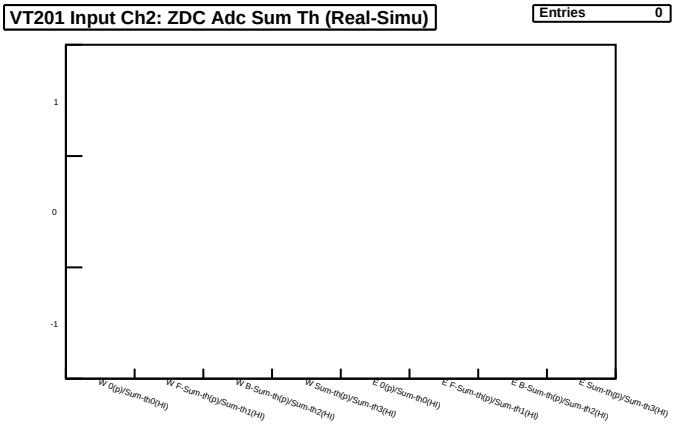

VT201 Input Ch1: EPD Hit Count Th
Entries 1394876
686438
685049
11000
12389
East
West

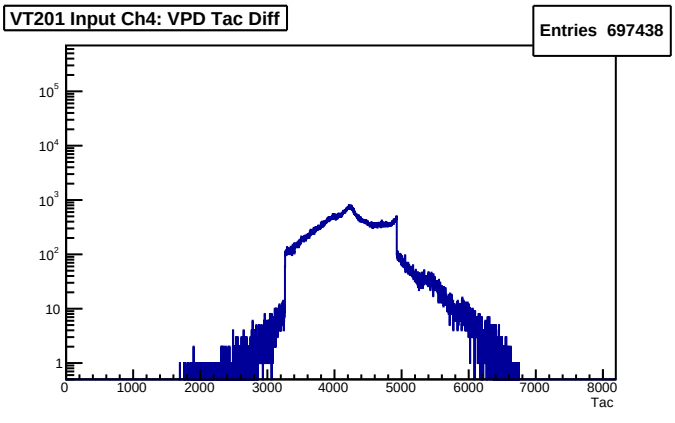

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

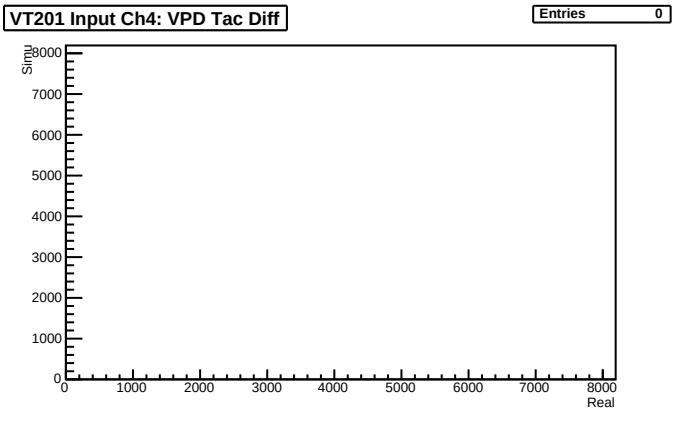

VT201 Input Ch2: ZDC Tac Diff
Entries 697438
Tac

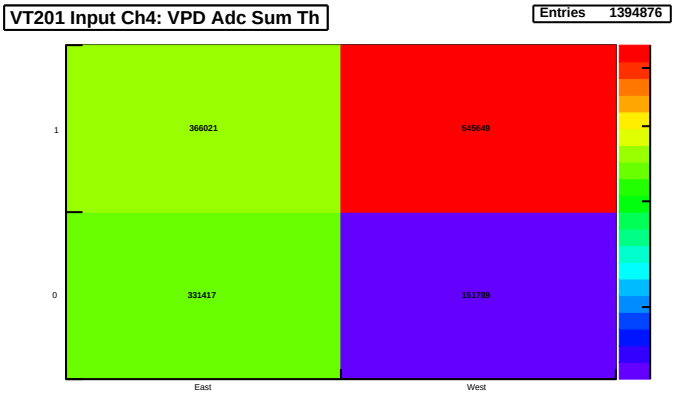

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

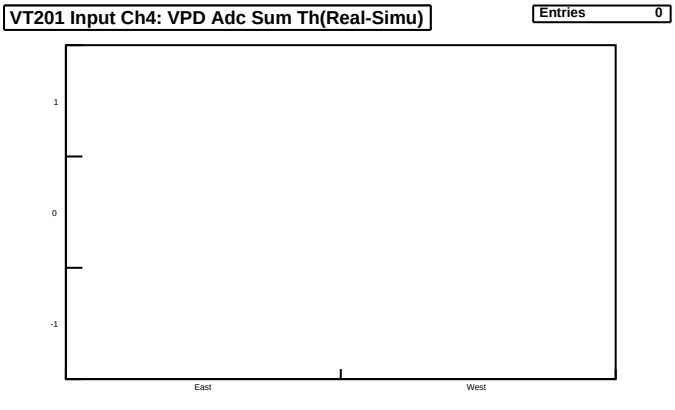

VT201 Input Ch2: ZDC Adc Sum Th
Entries 5579504
12815
3531
21
17
12476
5251
90
78
684623
693907
697417
697421
684962
692187
697348
697360
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

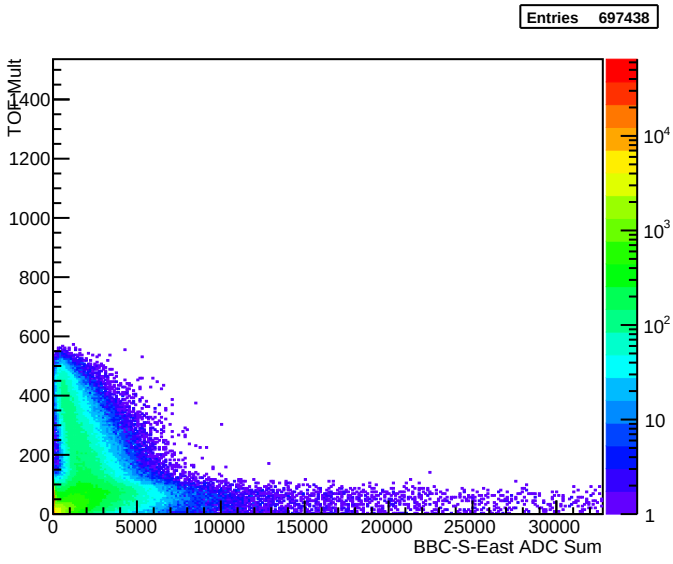

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

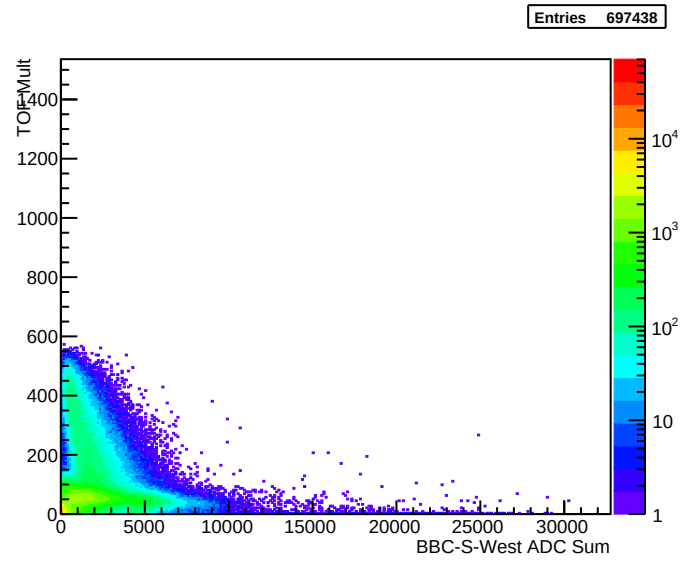

VT201 Input Ch4: VPD Tac Diff
Entries 697438
Tac

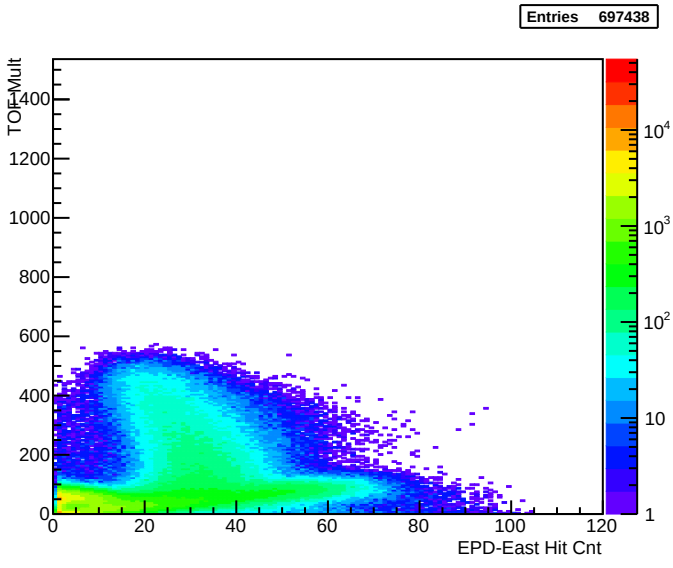

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

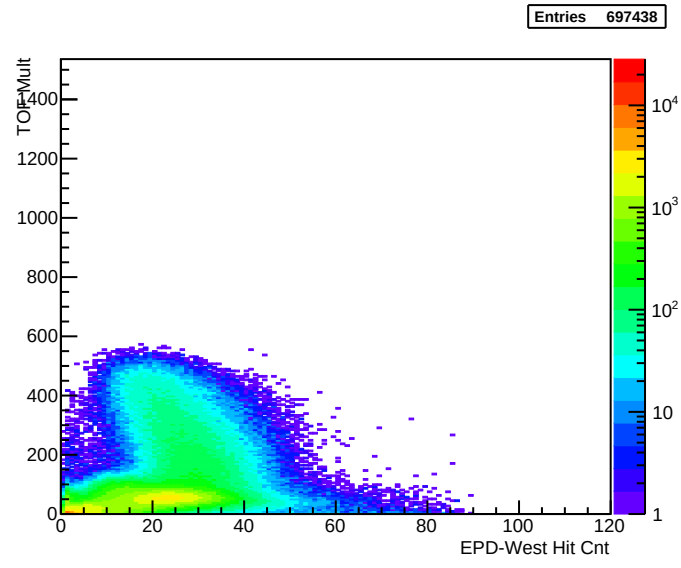

VT201 Input Ch4: VPD Adc Sum Th
Entries 1394876
366021
545649
331417
151789
East
West

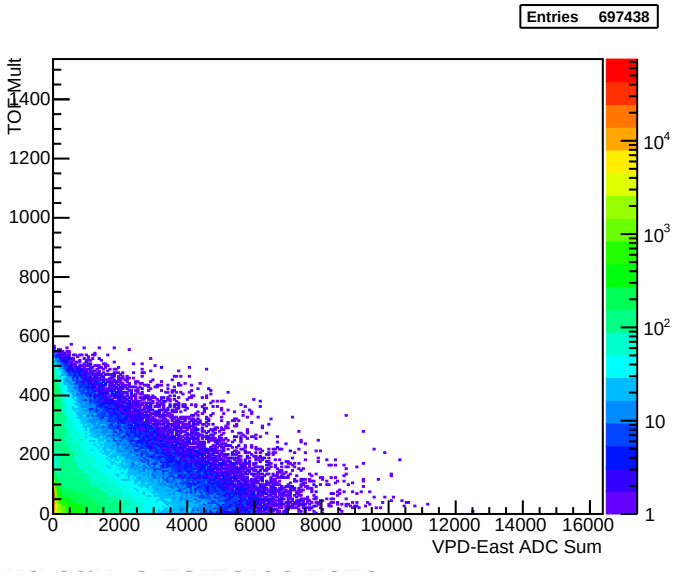

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

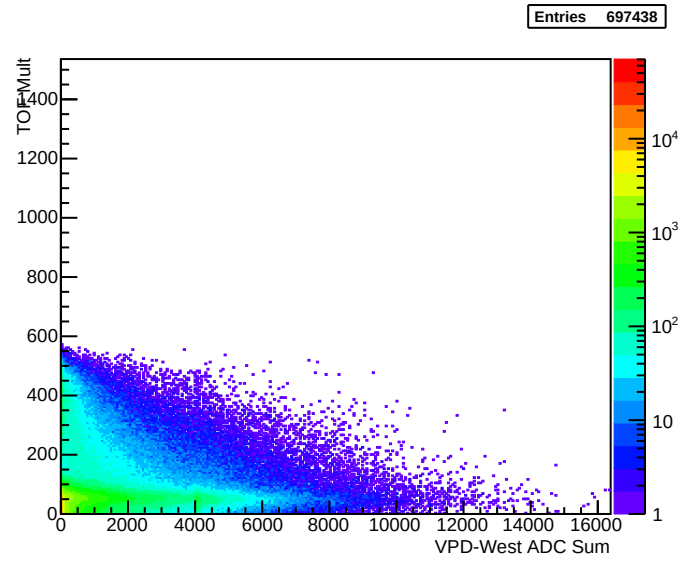

Entries 697438
TOF-Mult
BBC-S-East ADC Sum

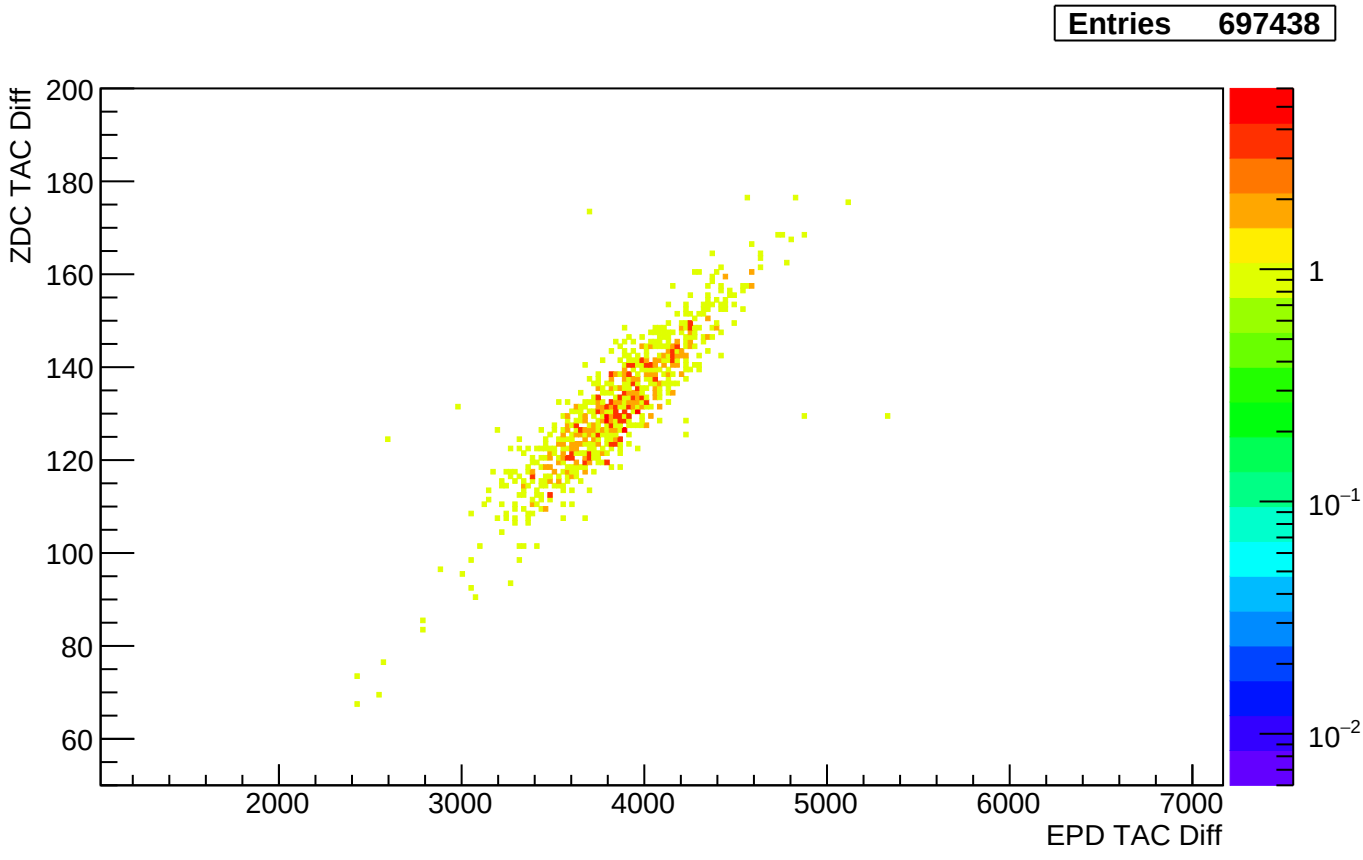

Entries 697438
TOF-Mult
BBC-S-West ADC Sum

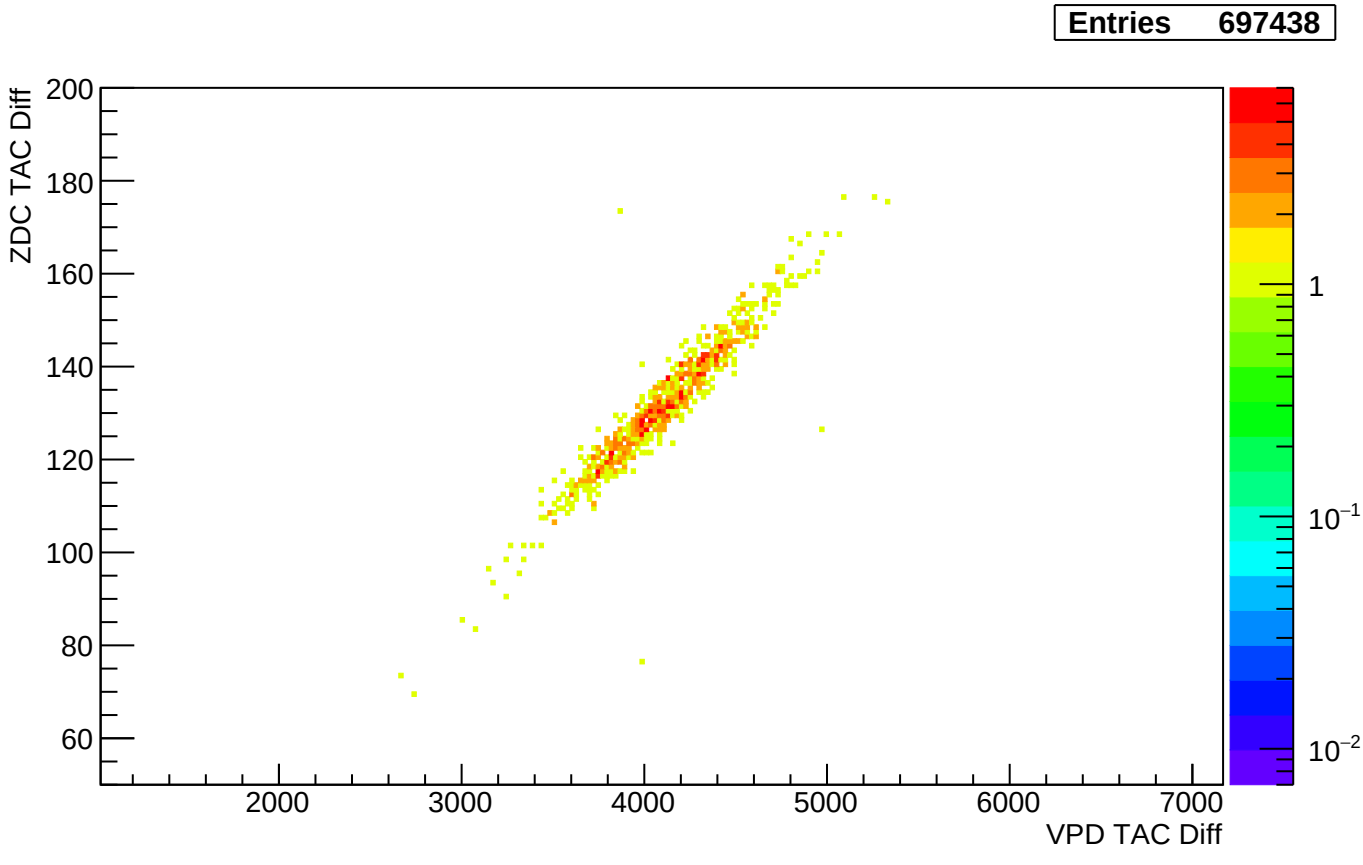

Entries 697438
TOF-Mult
EPD-East Hit Cnt

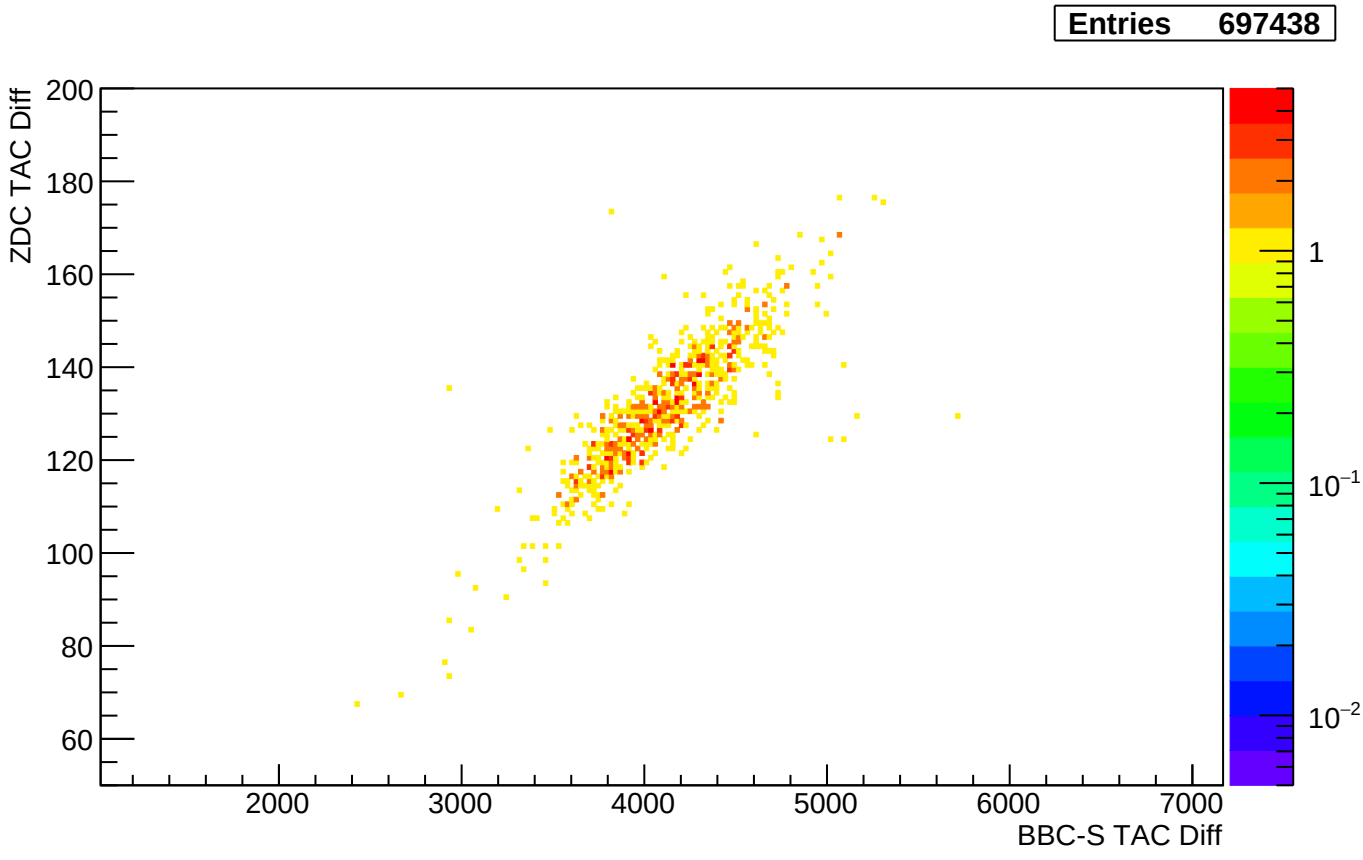

Entries 697438
TOF-Mult
EPD-West Hit Cnt

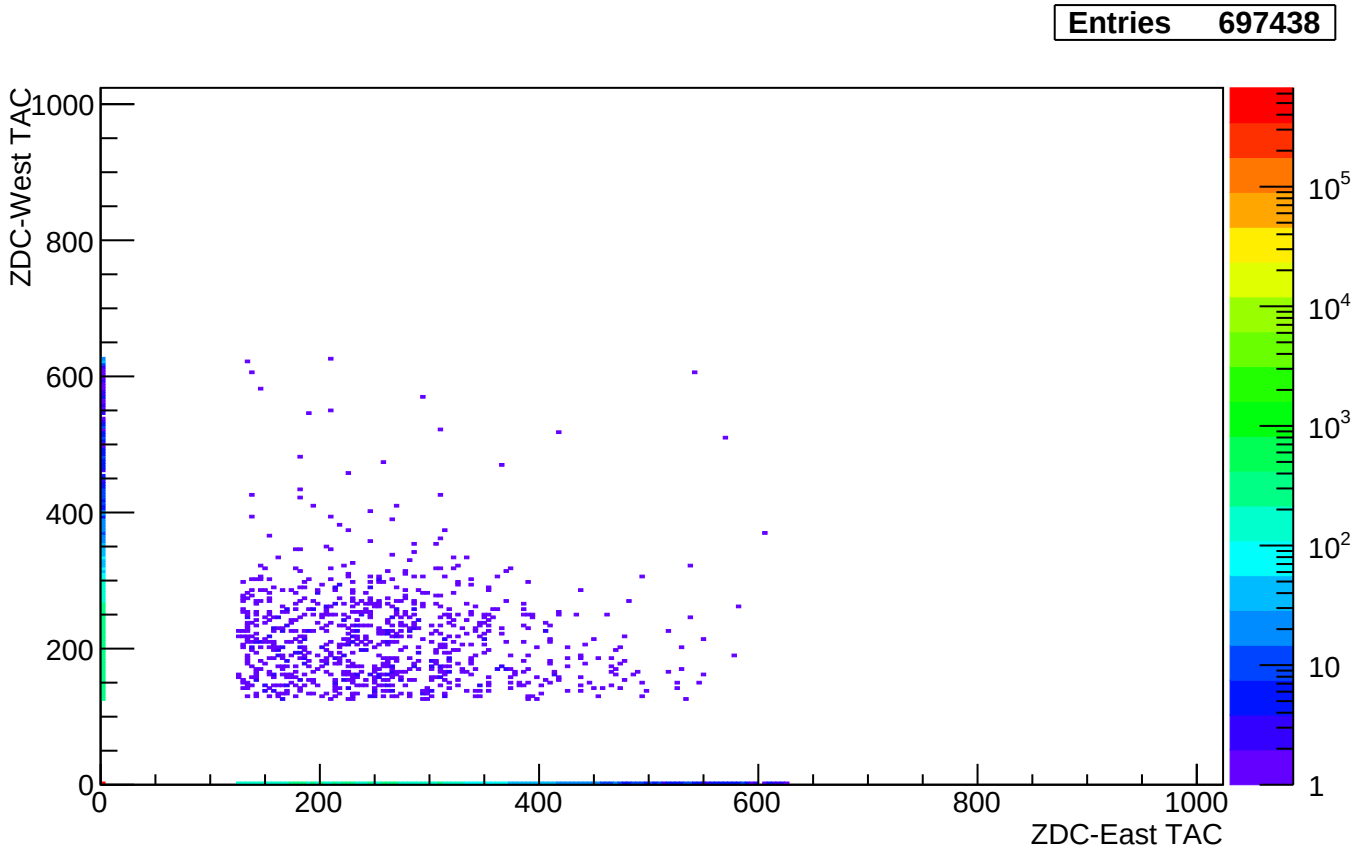

Entries 697438
TOF-Mult
VPD-East ADC Sum

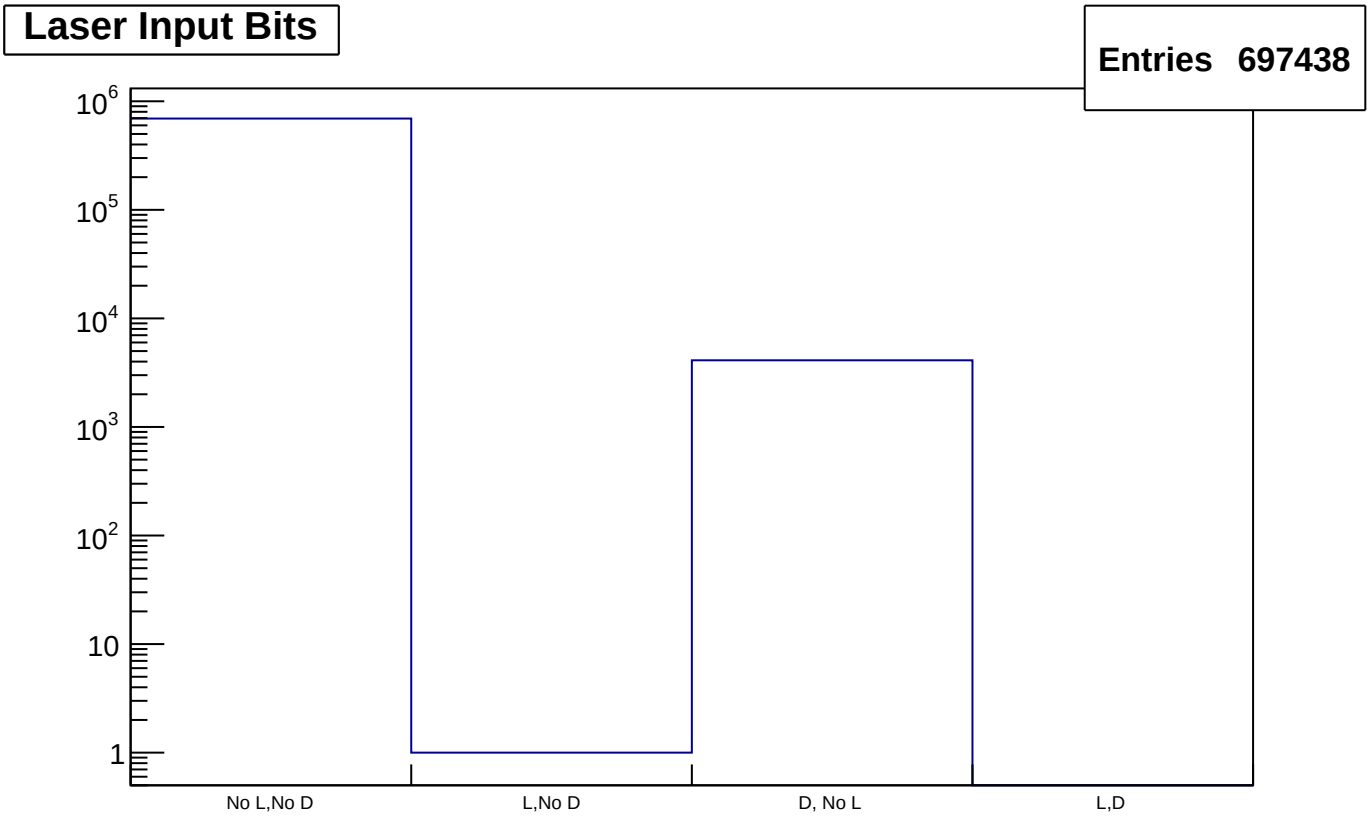

Entries 697438
TOF-Mult
VPD-West ADC Sum

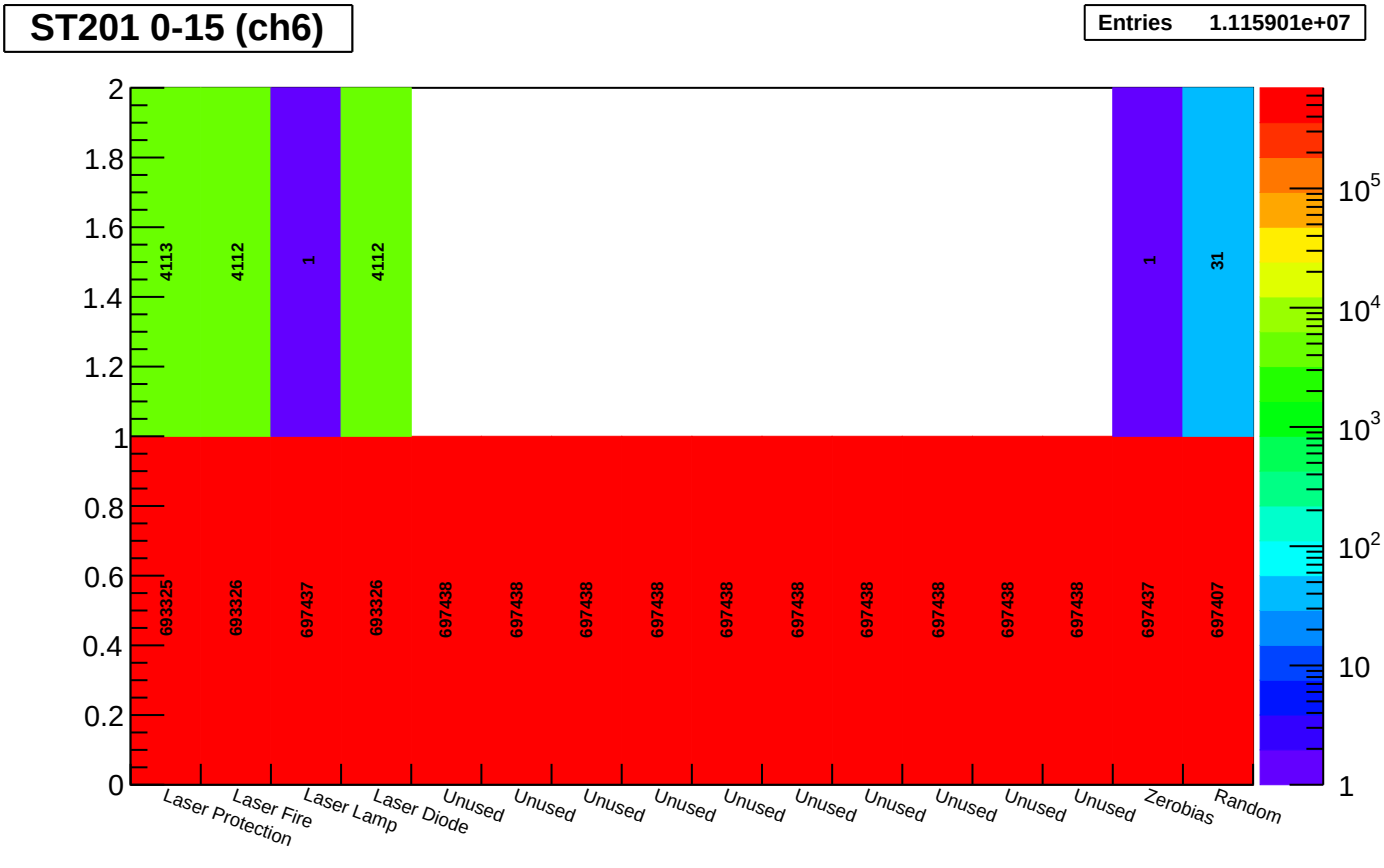

Entries 697438
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

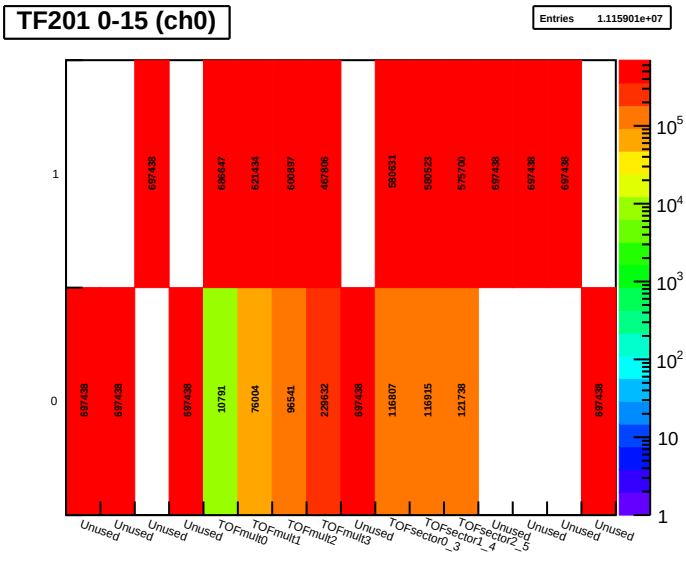

Entries 697438
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

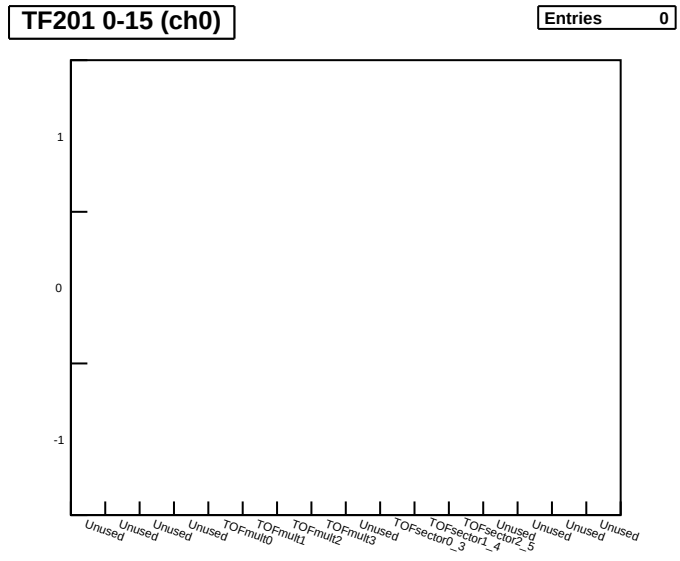

Entries 697438
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

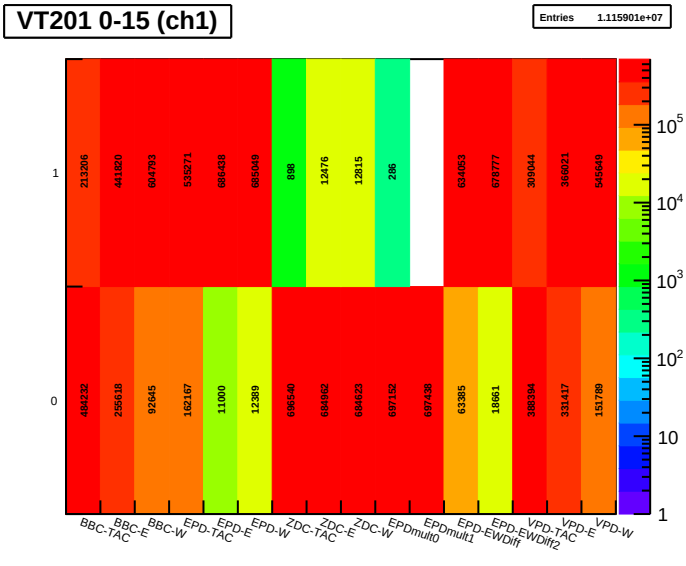

Entries 697438
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

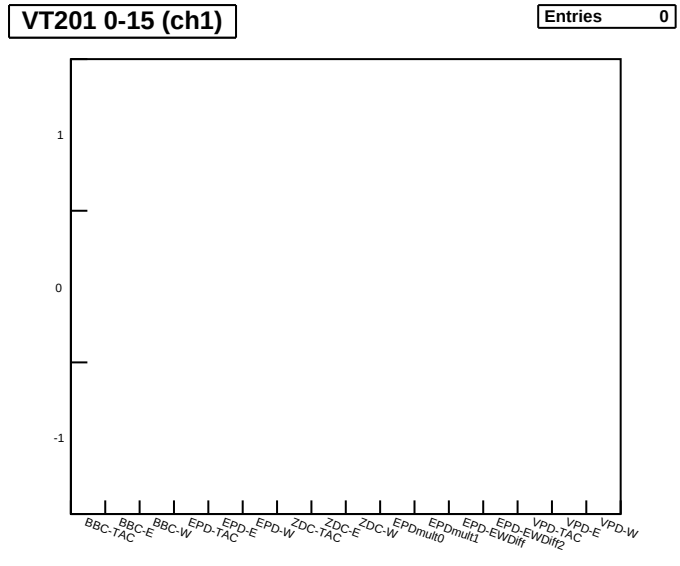

Laser Input Bits
Entries 697438
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

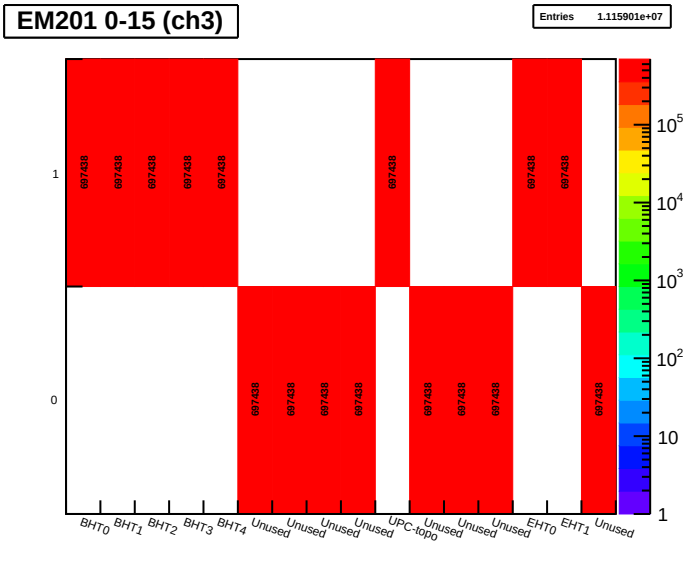

ST201 0-15 (ch6)
Entries 1.115901e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4113
4112
1
4112
1
31
693325
693326
697437
693326
697438
697438
697438
697438
697438
697438
697438
697438
697438
697438
697437
697407
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

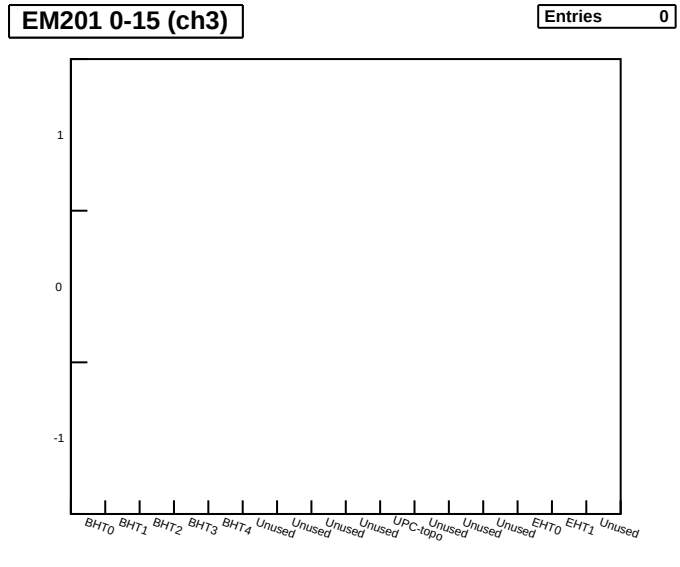

TF201 0-15 (ch0)
Entries 1.115901e+07
697438 686647 621434 600897 467806 580631 580523 575700 697438 697438 697438
697438 697438 697438 10791 76004 96541 229632 697438 116807 116915 121738 697438
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


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


VT201 0-15 (ch1)
Entries 1.115901e+07
213206 441820 604793 535271 666438 685049 898 12476 12815 286 634053 678777 309044 366021 545649
484232 255618 92645 162167 11000 12389 686540 684962 684623 697152 697438 63385 18661 388394 331417 151789
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


VT201 0-15 (ch1)
Entries 0
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 1.115901e+07
697438 697438 697438 697438 697438 697438 697438 697438 697438
697438 697438 697438 697438 697438 697438 697438 697438
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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