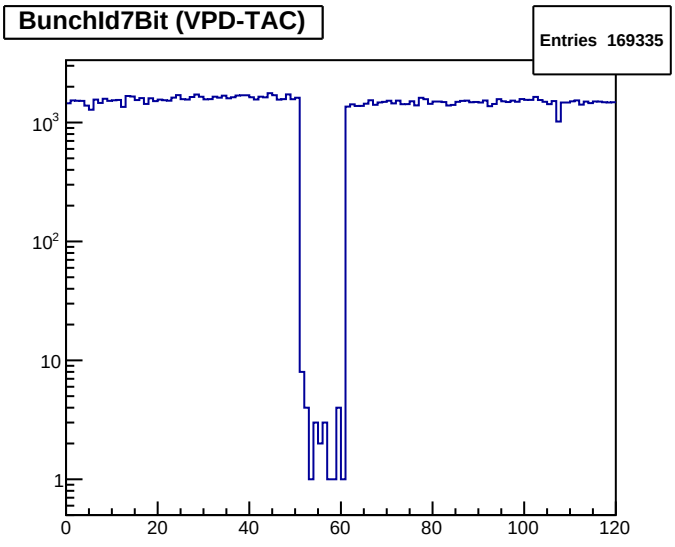
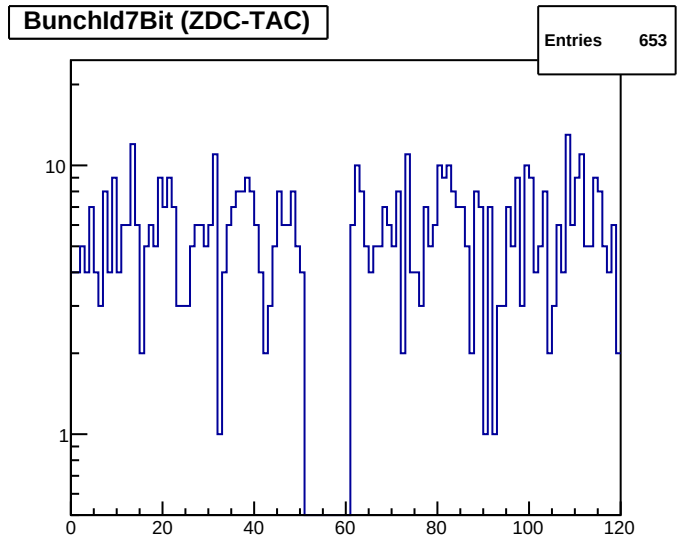
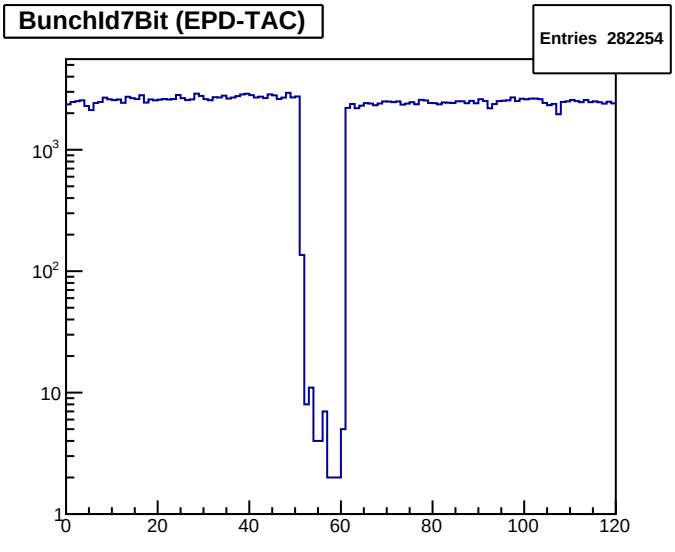
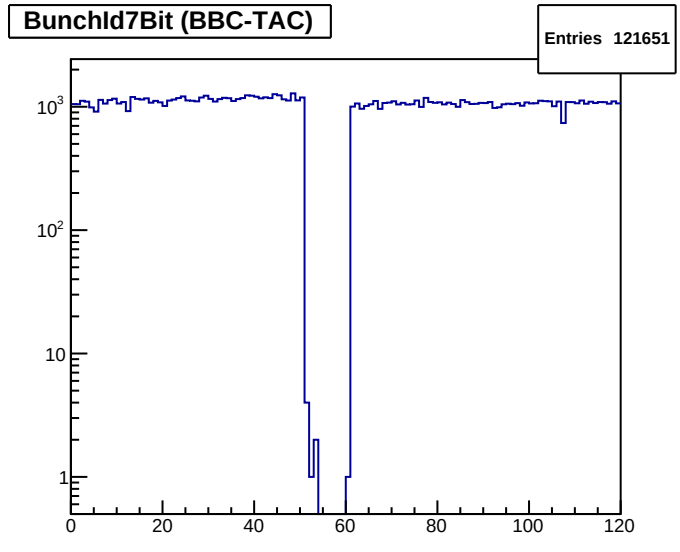
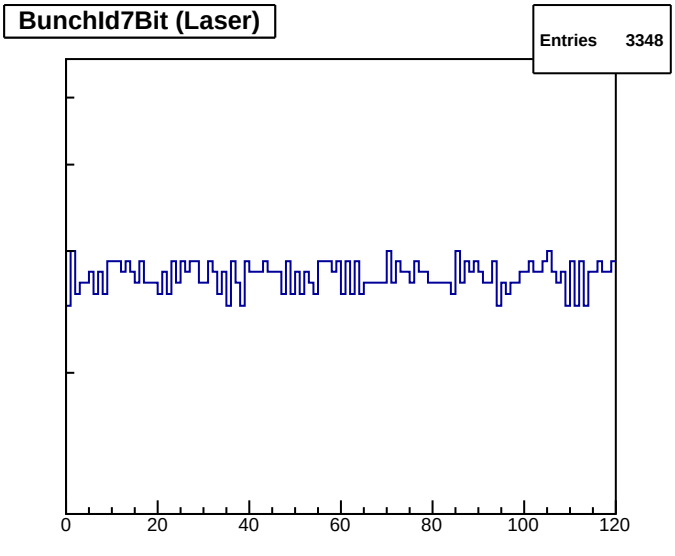
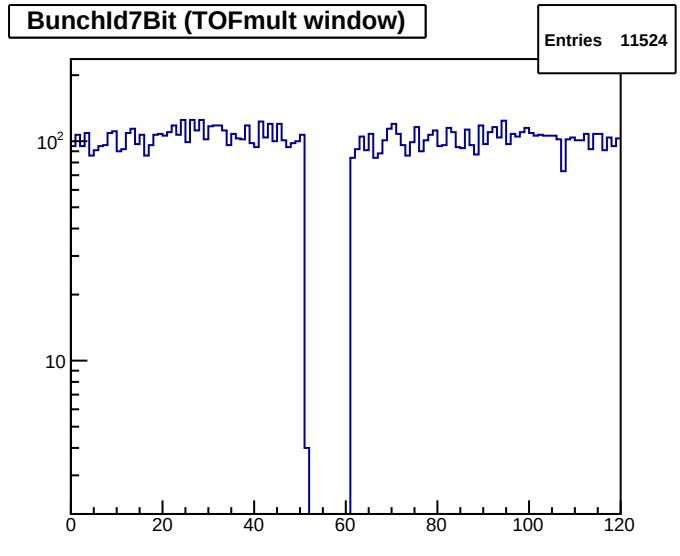

BunchId7Bit (VPD-TAC)
Entries 169335
10^3
10^2
10
1
0
20
40
60
80
100
120

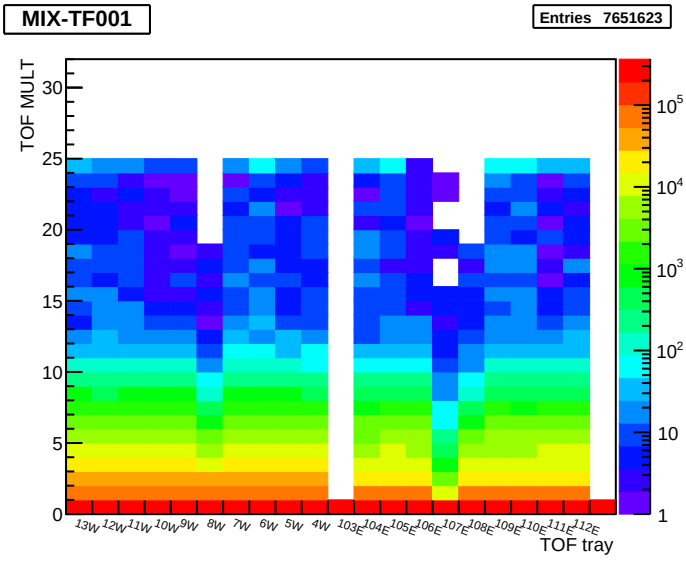

BunchId7Bit (ZDC-TAC)
Entries 653
10
1
0
20
40
60
80
100
120

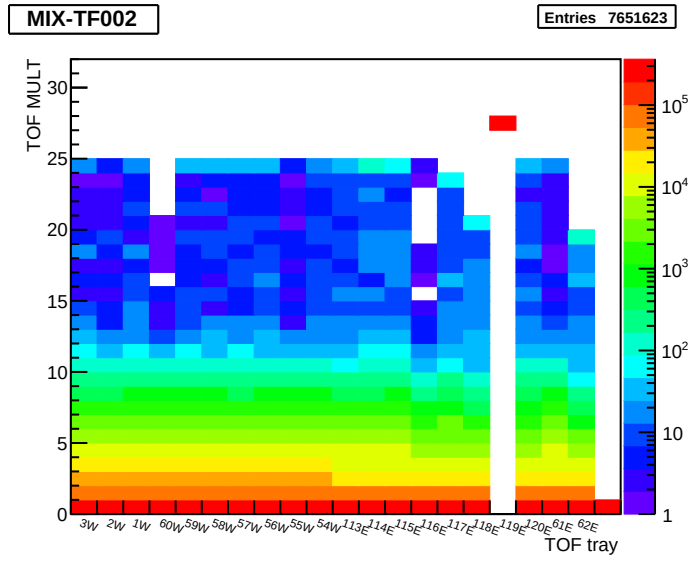

BunchId7Bit (EPD-TAC)
Entries 282254
10^3
10^2
10
1
0
20
40
60
80
100
120

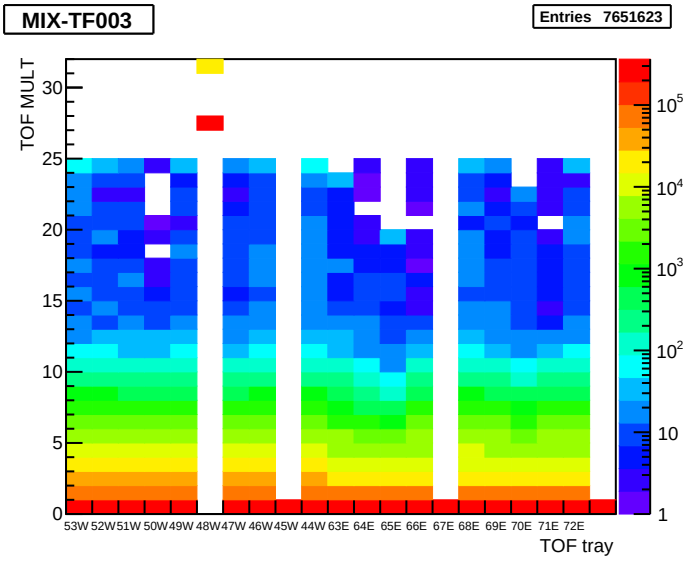

BunchId7Bit (BBC-TAC)
Entries 121651
10^3
10^2
10
1
0
20
40
60
80
100
120

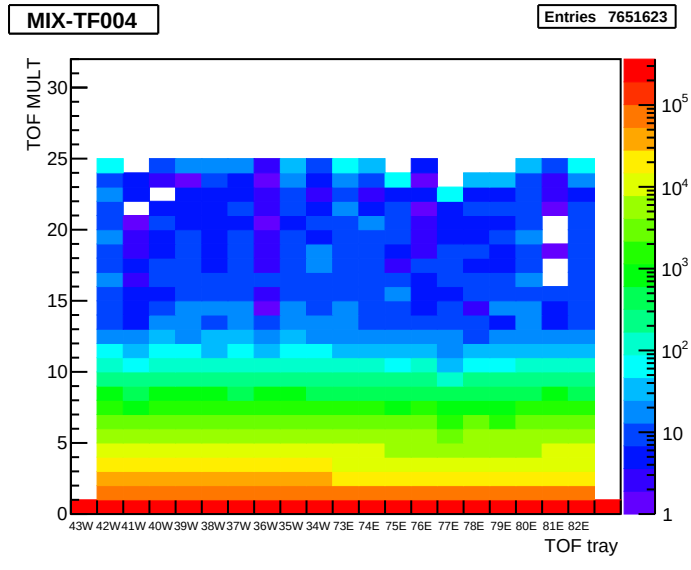

BunchId7Bit (Laser)
Entries 3348
0
20
40
60
80
100
120

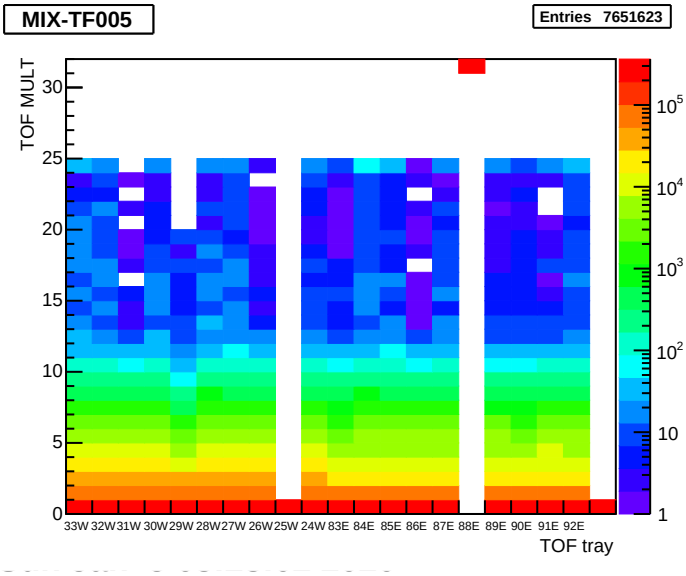

BunchId7Bit (TOFmult window)
Entries 11524
10^2
10
0
20
40
60
80
100
120

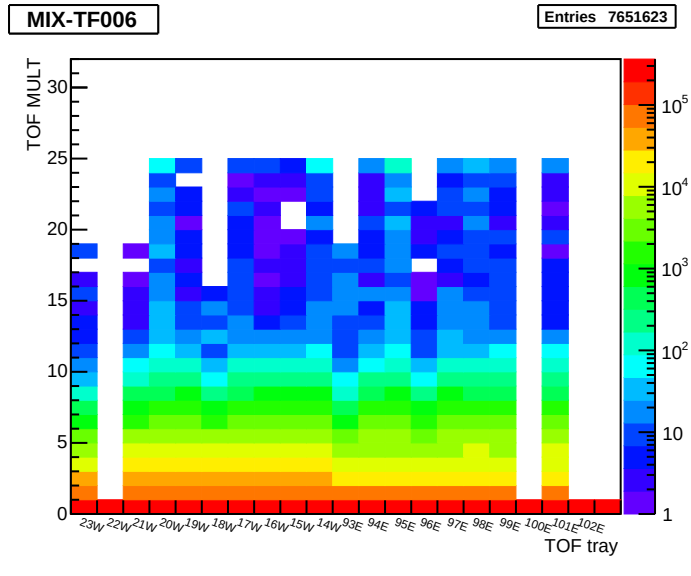

MIX-TF001
Entries 7651623
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

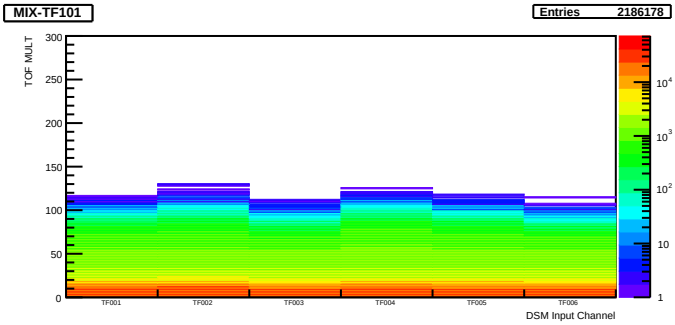

MIX-TF002
Entries 7651623
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

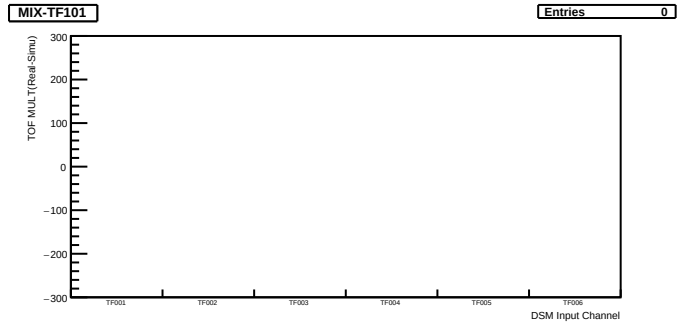

MIX-TF003
Entries 7651623
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

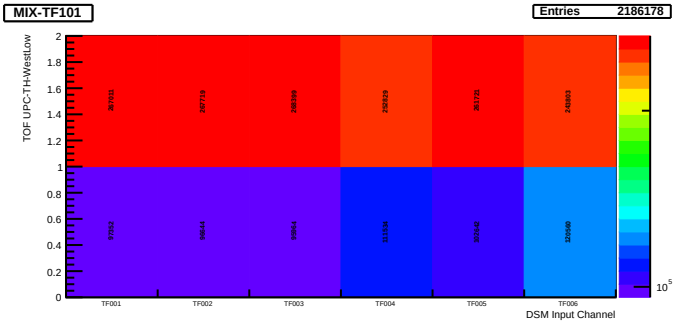

MIX-TF004
Entries 7651623
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

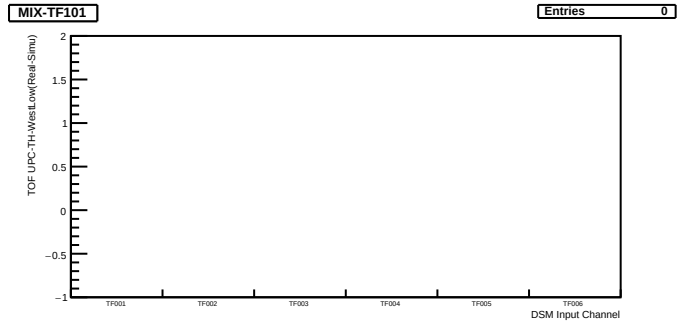

MIX-TF005
Entries 7651623
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

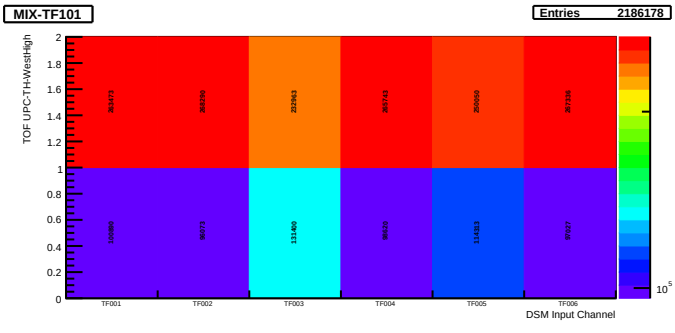

MIX-TF006
Entries 7651623
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

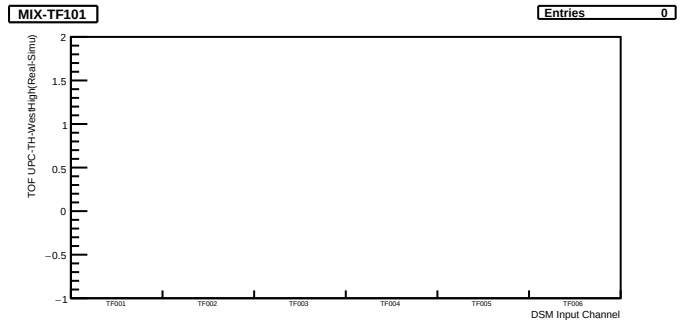

MIX-TF101
Entries 2186178
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

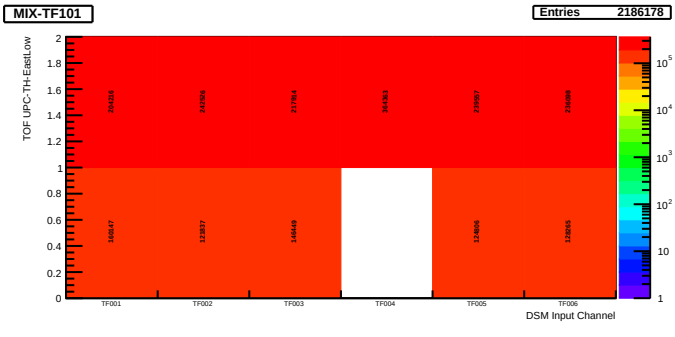

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

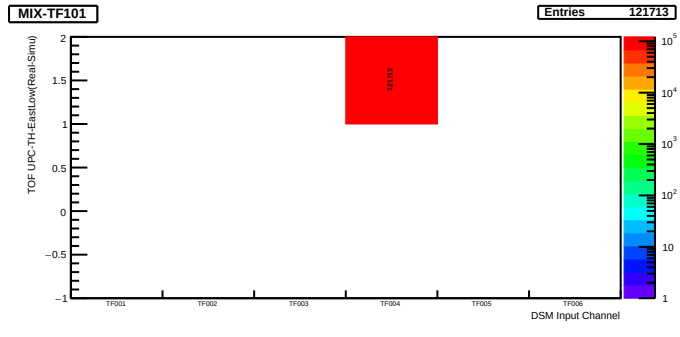

MIX-TF101
Entries 2186178
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

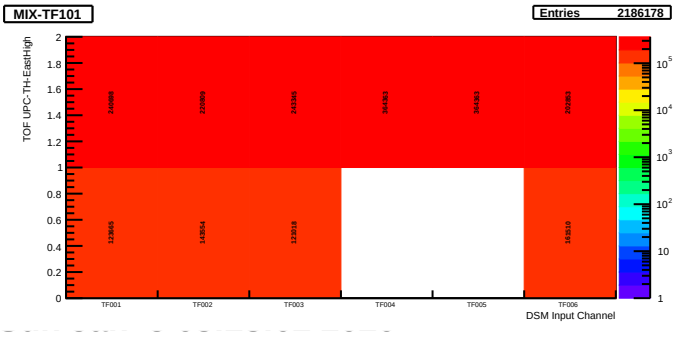

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

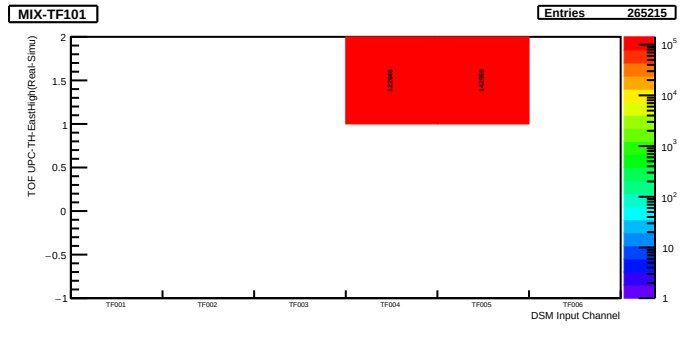

MIX-TF101
Entries 2186178
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

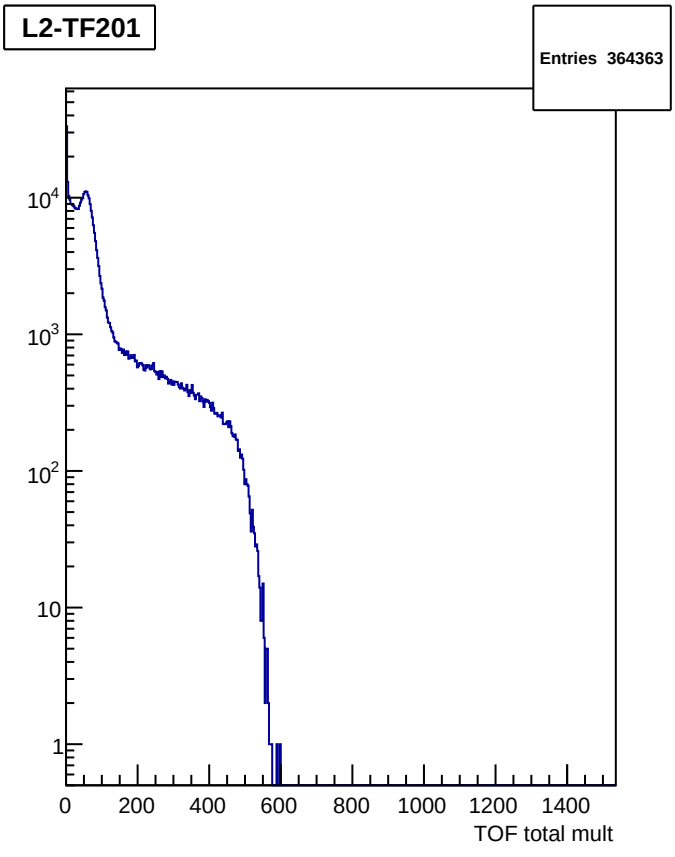

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

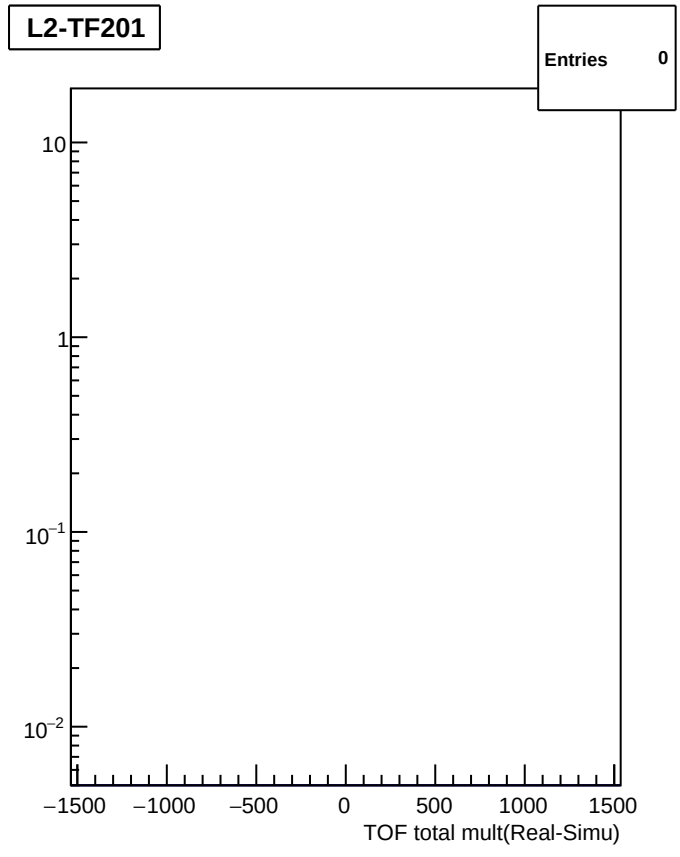

MIX-TF101
Entries 2186178
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

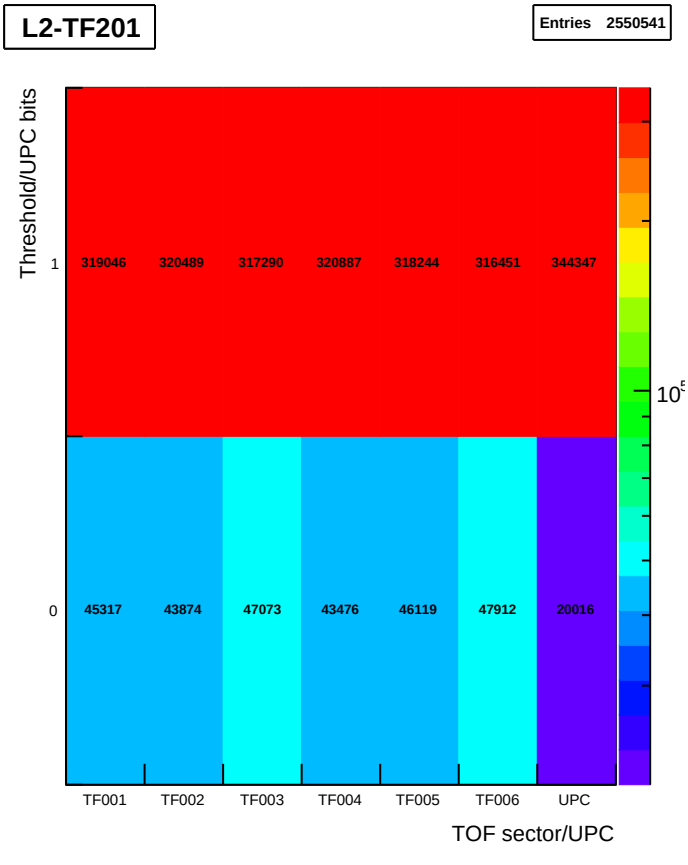

MIX-TF101
Entries 121713
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

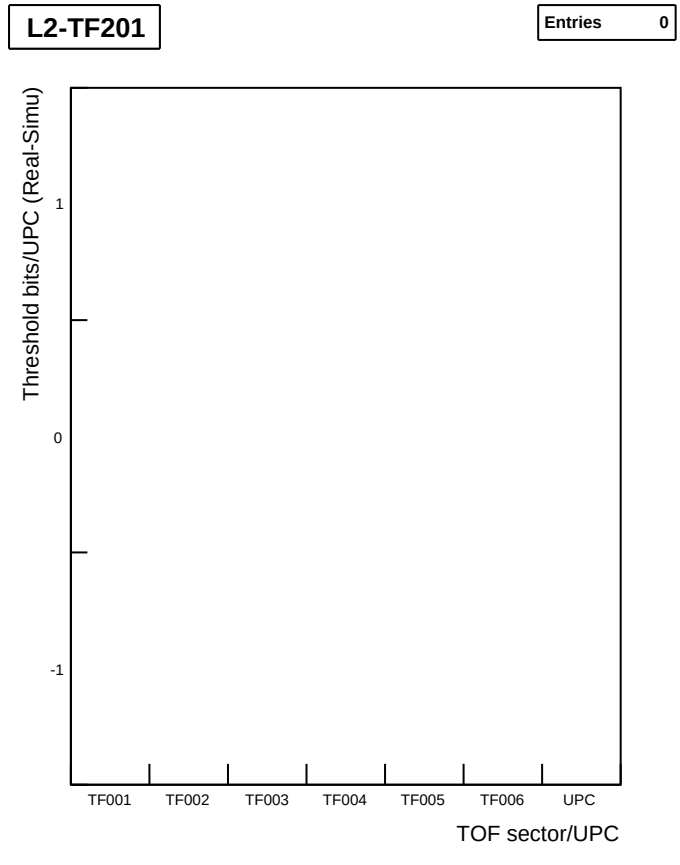

MIX-TF101
Entries 2186178
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

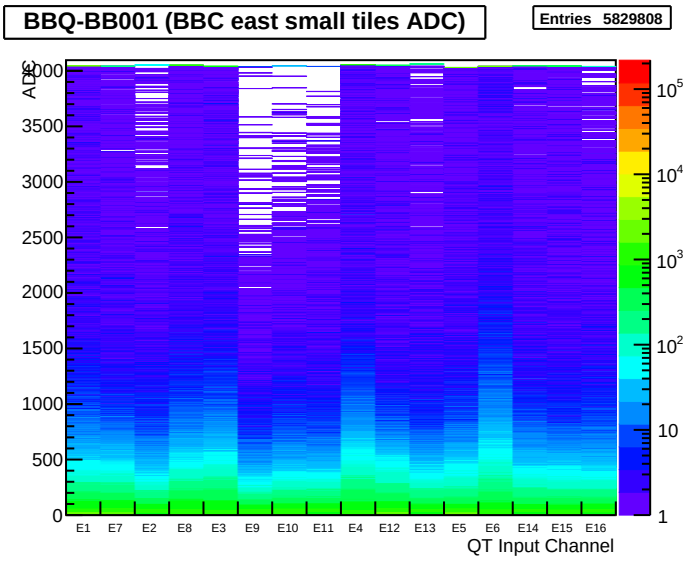

MIX-TF101
Entries 265215
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

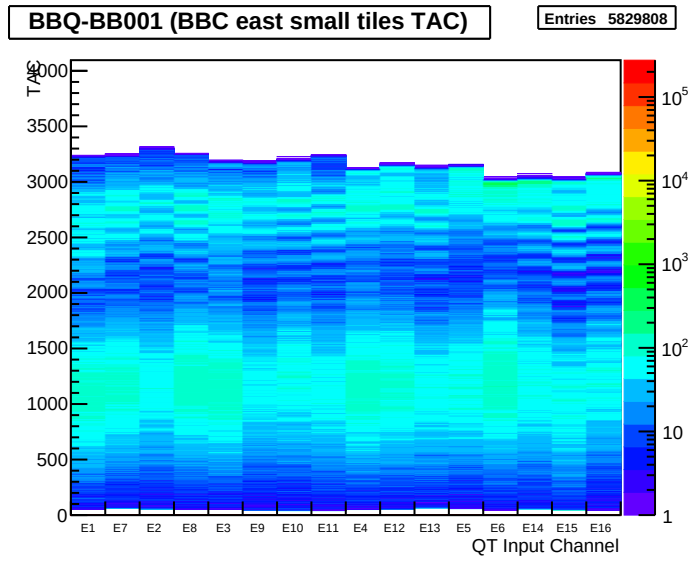

L2-TF201
Entries 364363
TOF total mult

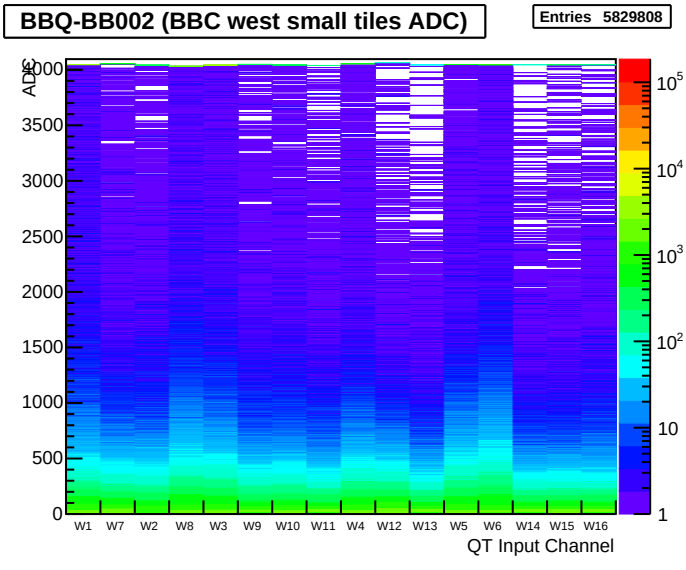

L2-TF201
Entries 0
TOF total mult(Real-Simu)

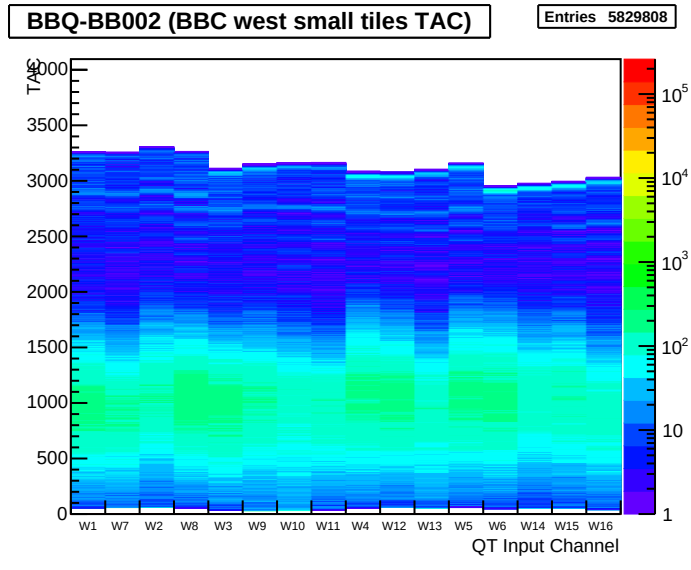

L2-TF201
Entries 2550541
Threshold/UPC bits
319046 320489 317290 320887 318244 316451 344347
45317 43874 47073 43476 46119 47912 20016
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

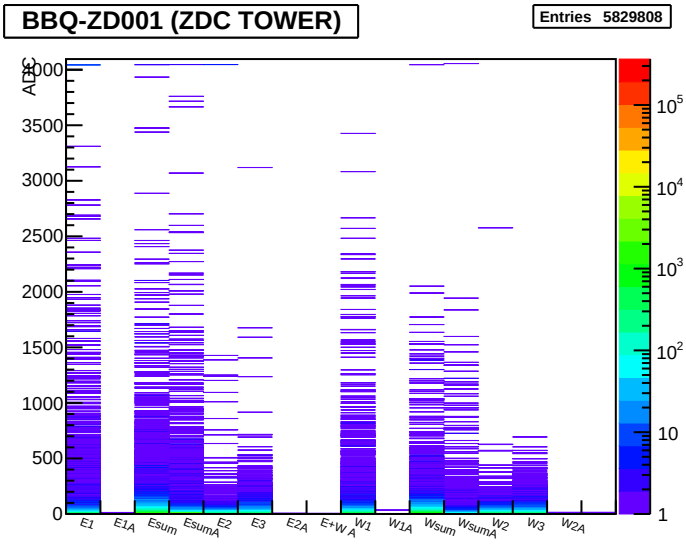

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

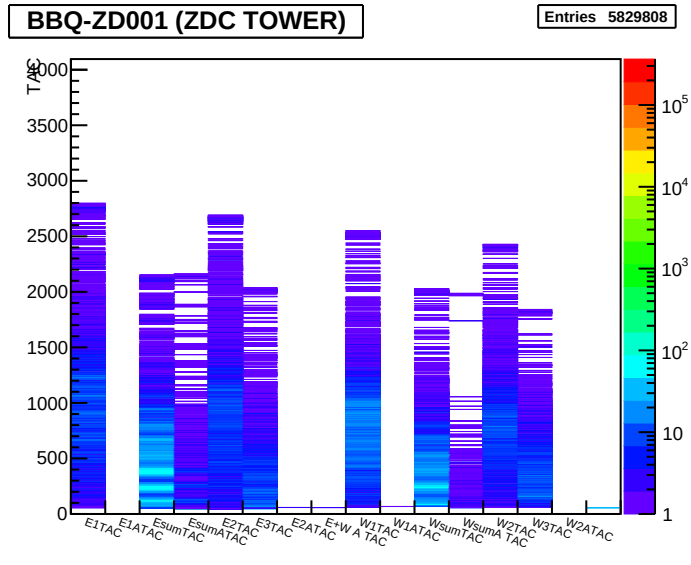

BBQ-BB001 (BBC east small tiles ADC)
Entries 5829808
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

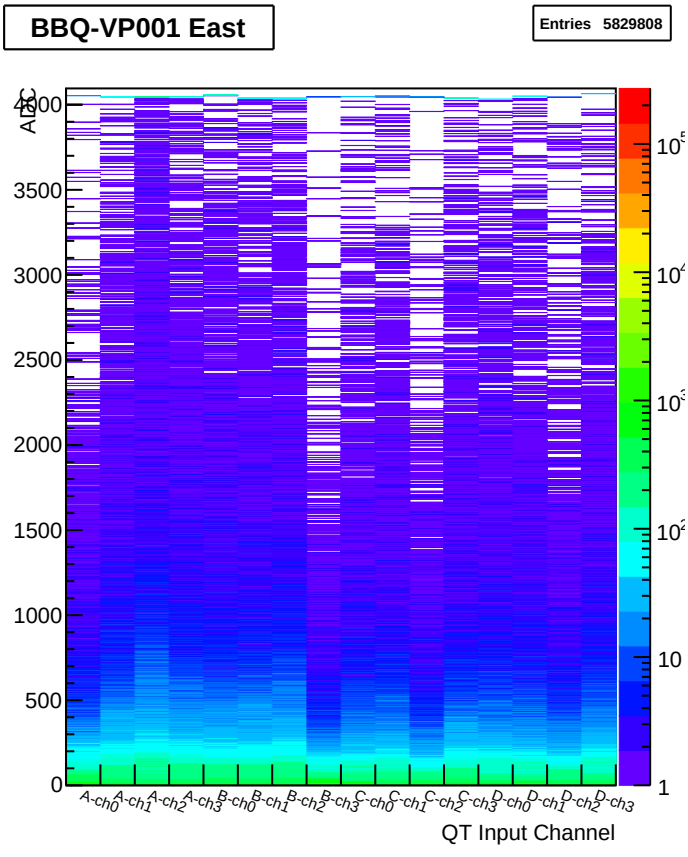

BBQ-BB001 (BBC east small tiles TAC)
Entries 5829808
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

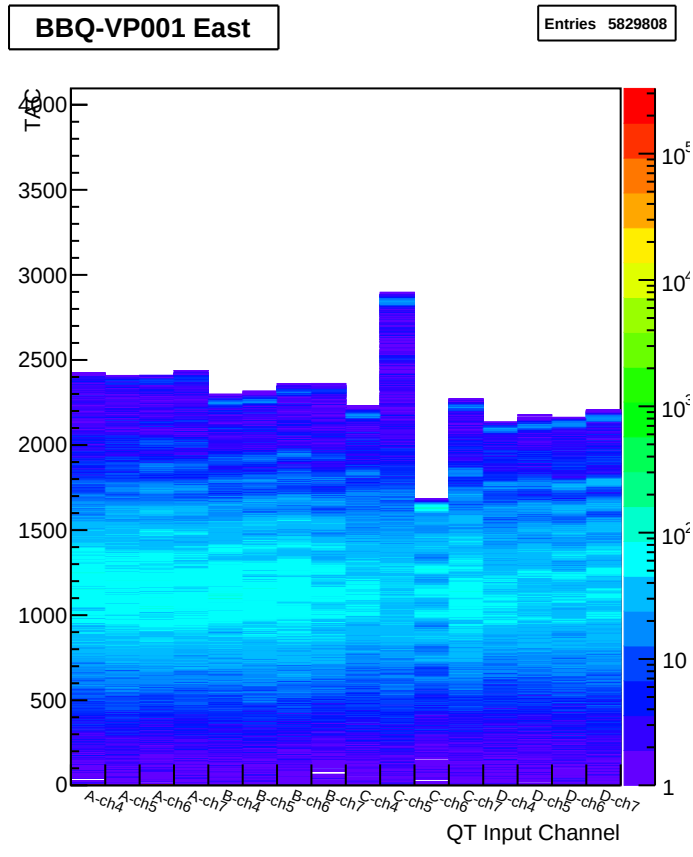

BBQ-BB002 (BBC west small tiles ADC)
Entries 5829808
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

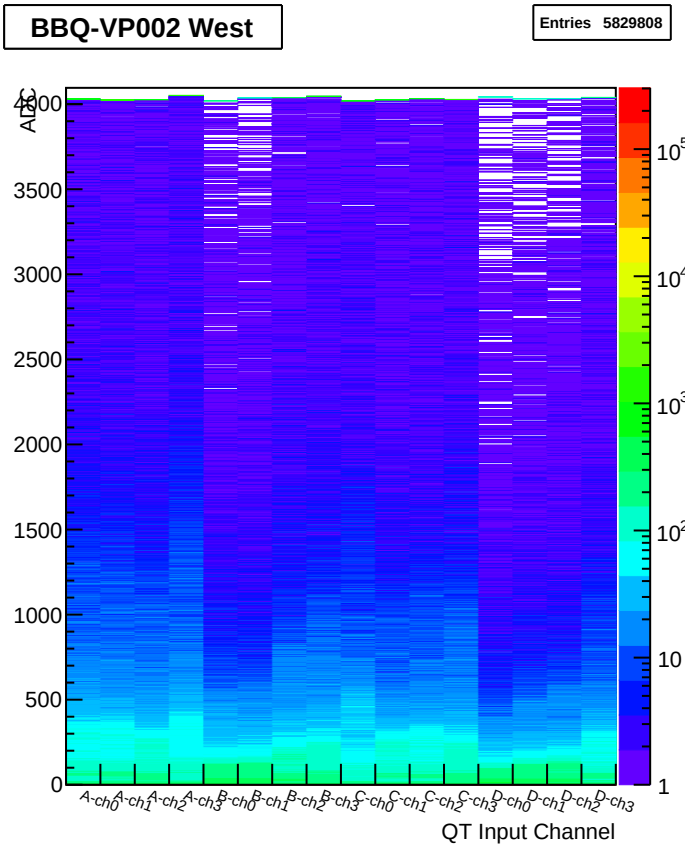

BBQ-BB002 (BBC west small tiles TAC)
Entries 5829808
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

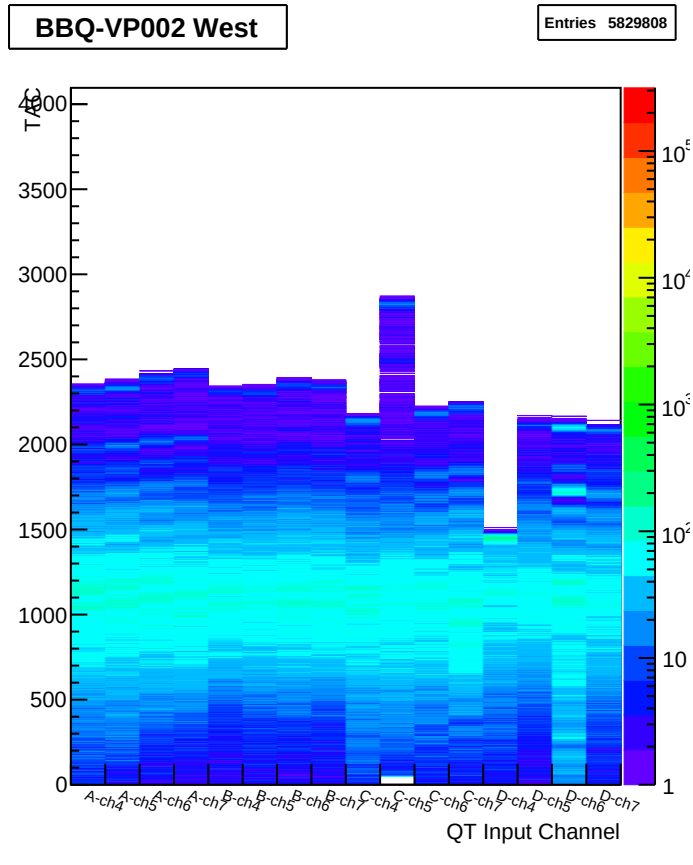

BBQ-ZD001 (ZDC TOWER)
Entries 5829808
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

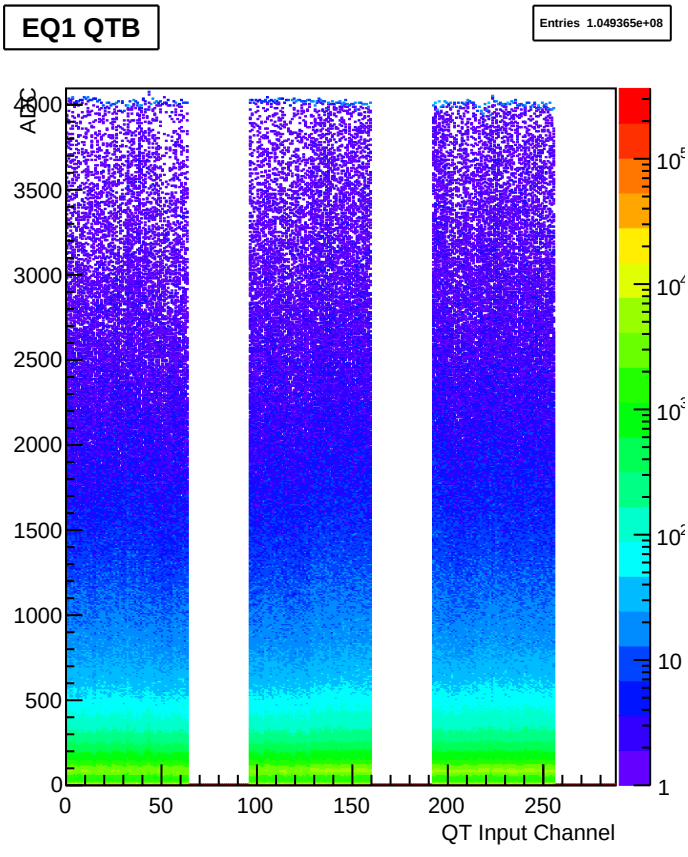

BBQ-ZD001 (ZDC TOWER)
Entries 5829808
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

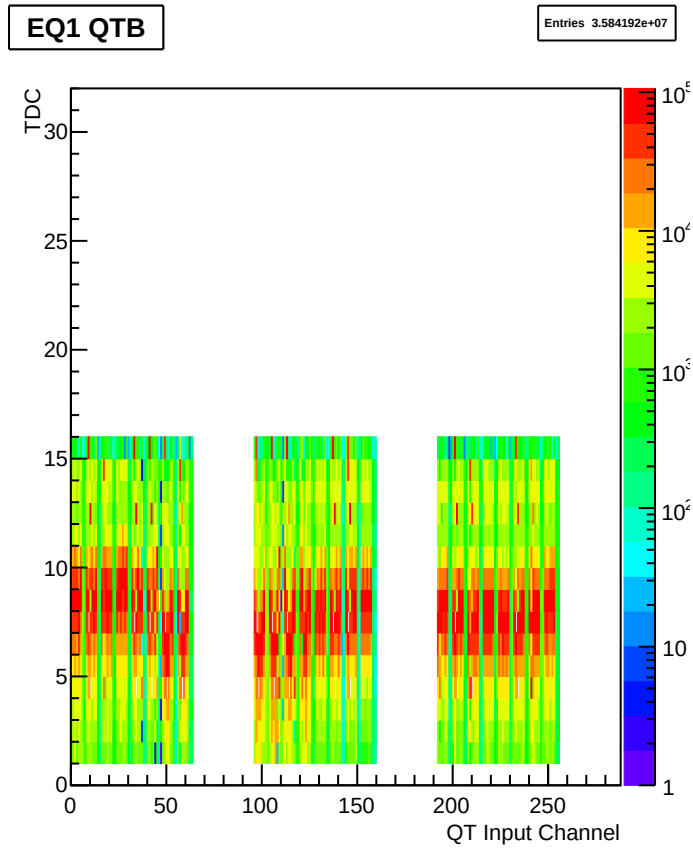

BBQ-VP001 East
Entries 5829808
ADC
QT Input Channel

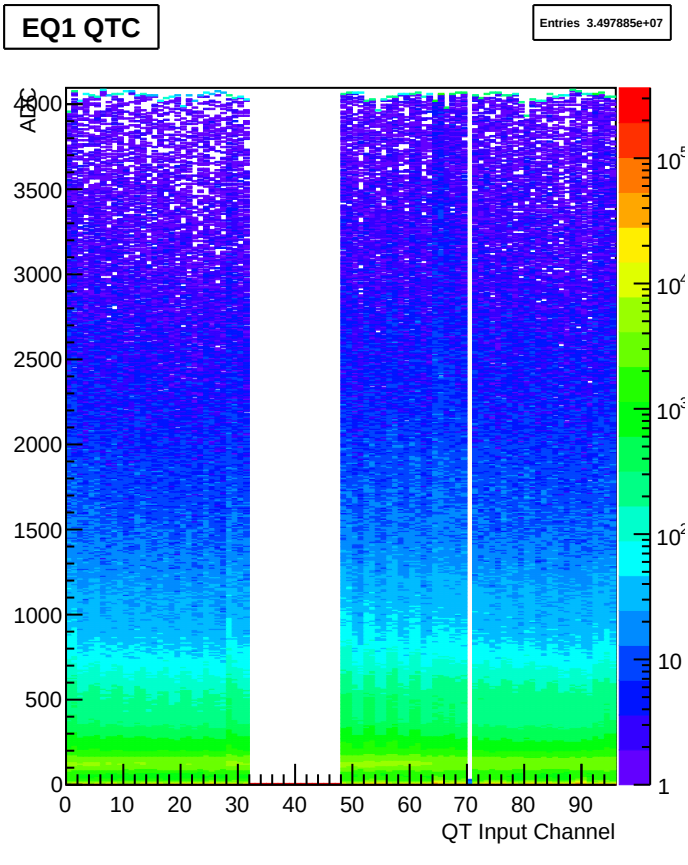

BBQ-VP001 East
Entries 5829808
ADC
QT Input Channel

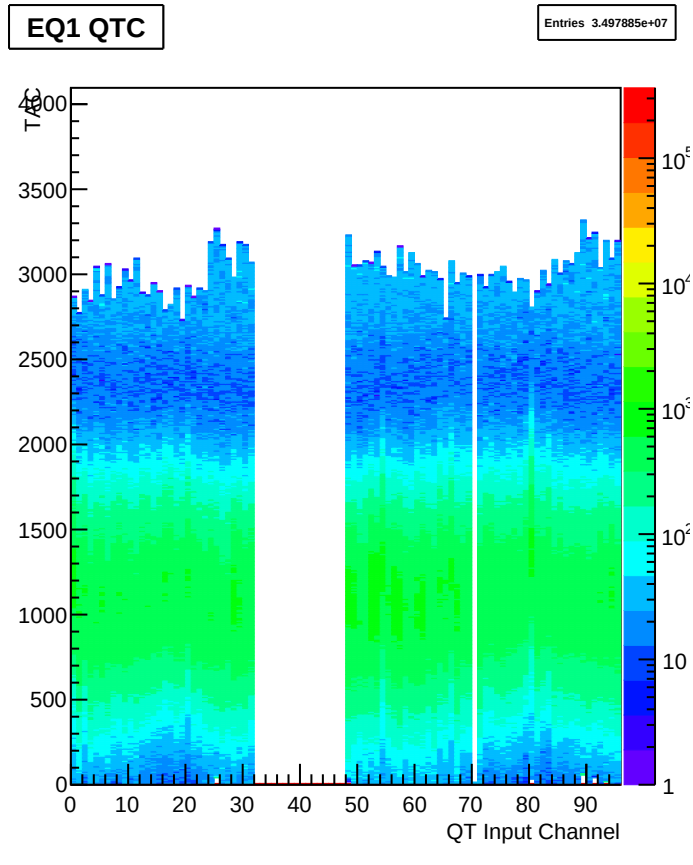

BBQ-VP002 West
Entries 5829808
ADC
QT Input Channel

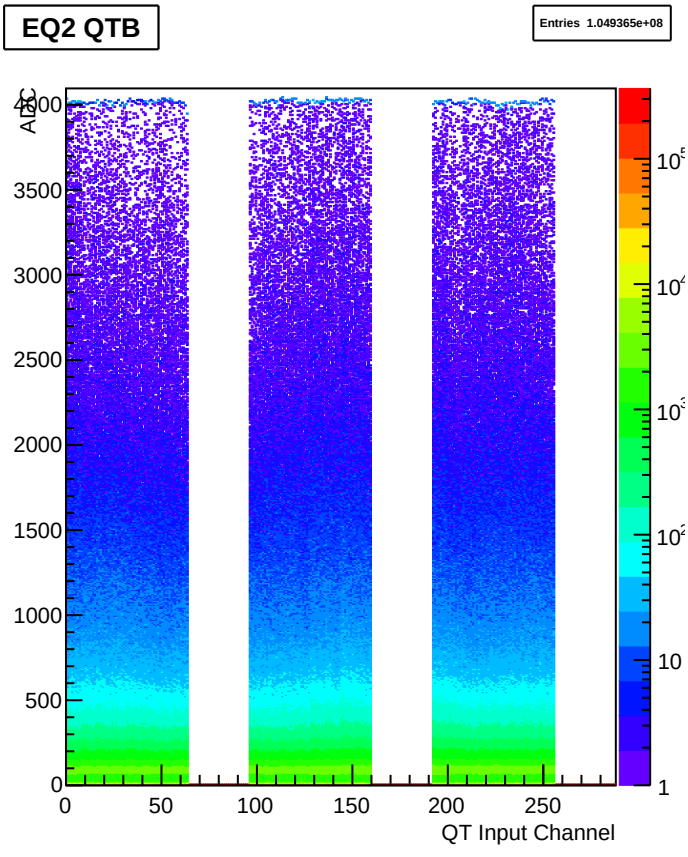

BBQ-VP002 West
Entries 5829808
ADC
QT Input Channel

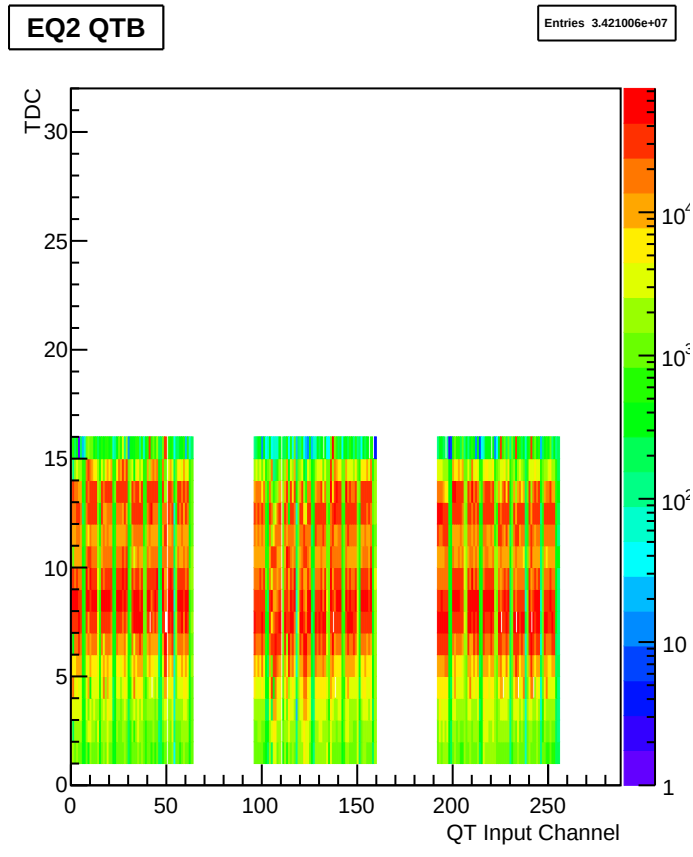

EQ1 QTB
Entries 1.049365e+08
ADC
QT Input Channel

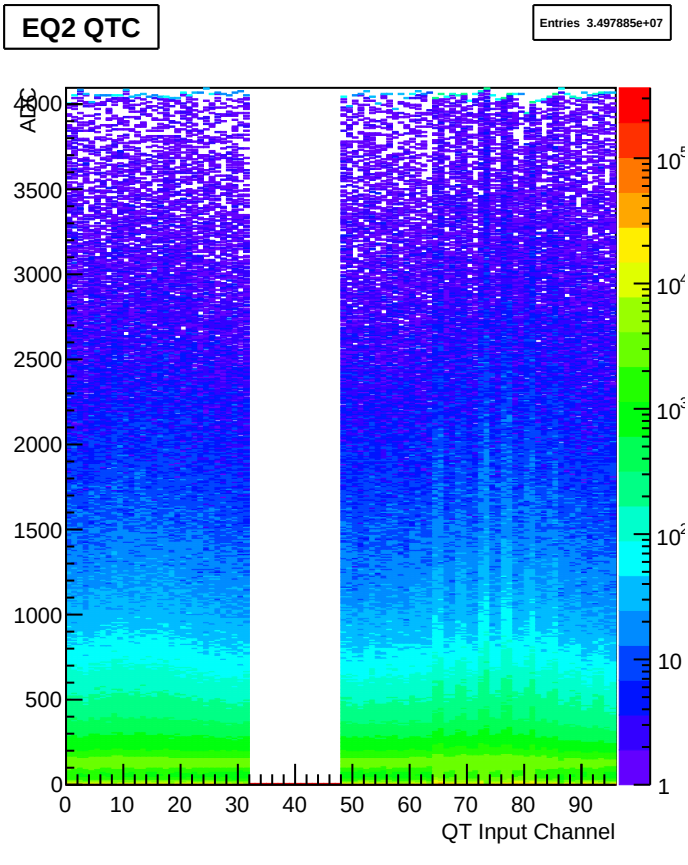

EQ1 QTB
Entries 3.584192e+07
TDC
QT Input Channel

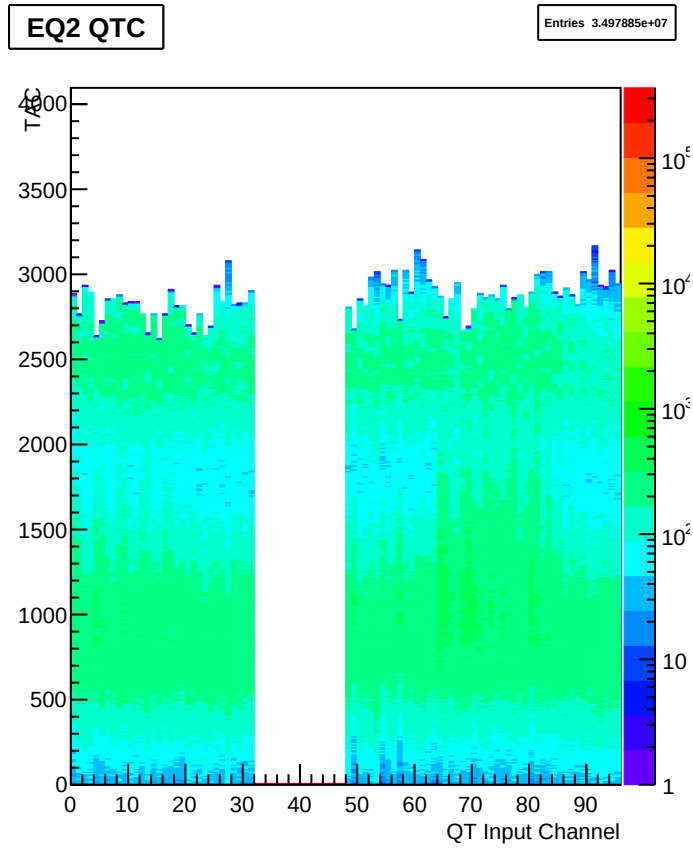

EQ1 QTC
Entries 3.497885e+07
ADC
QT Input Channel

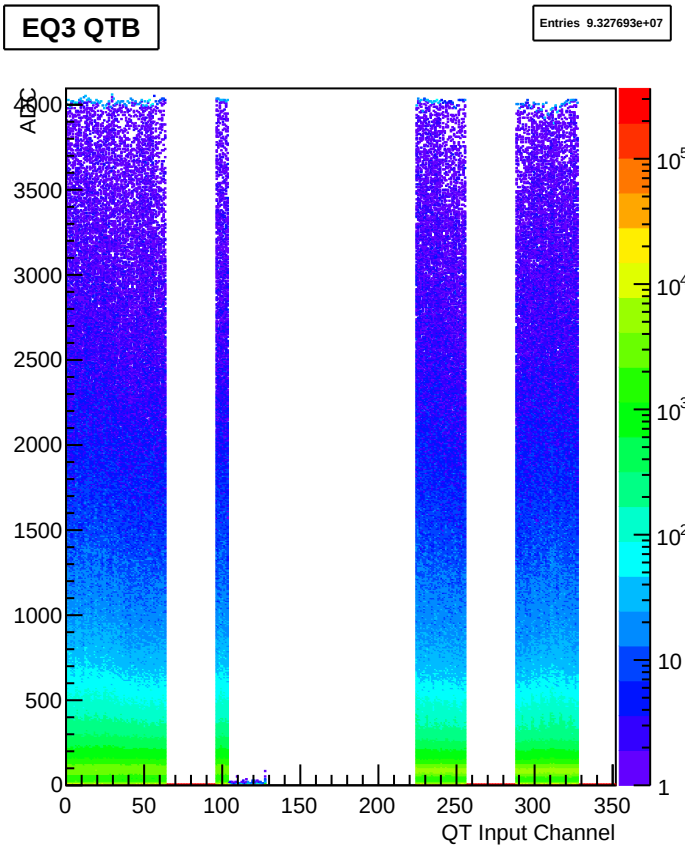

EQ1 QTC
Entries 3.497885e+07
TADC
QT Input Channel

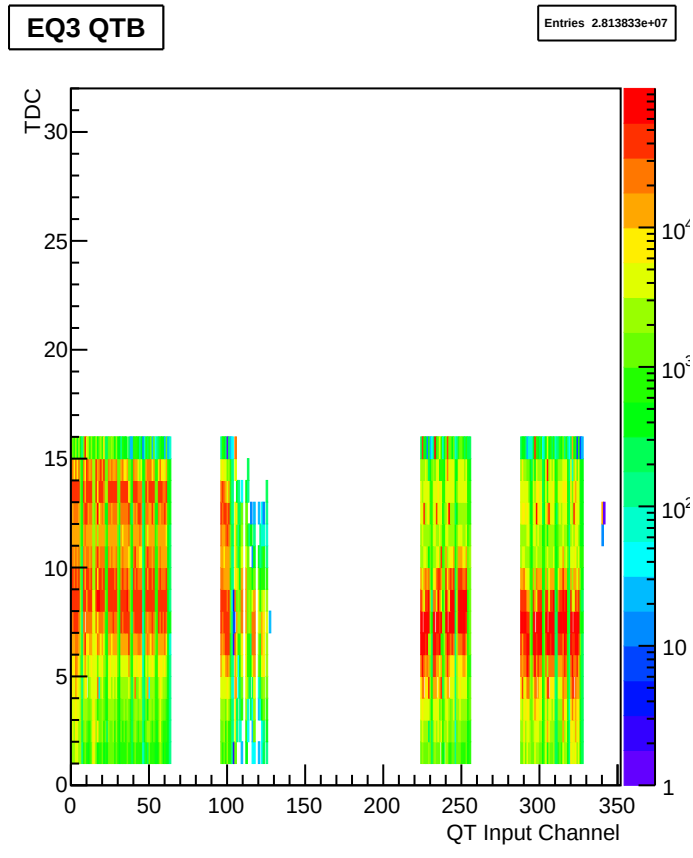

EQ2 QTB
Entries 1.049365e+08
ADC
QT Input Channel

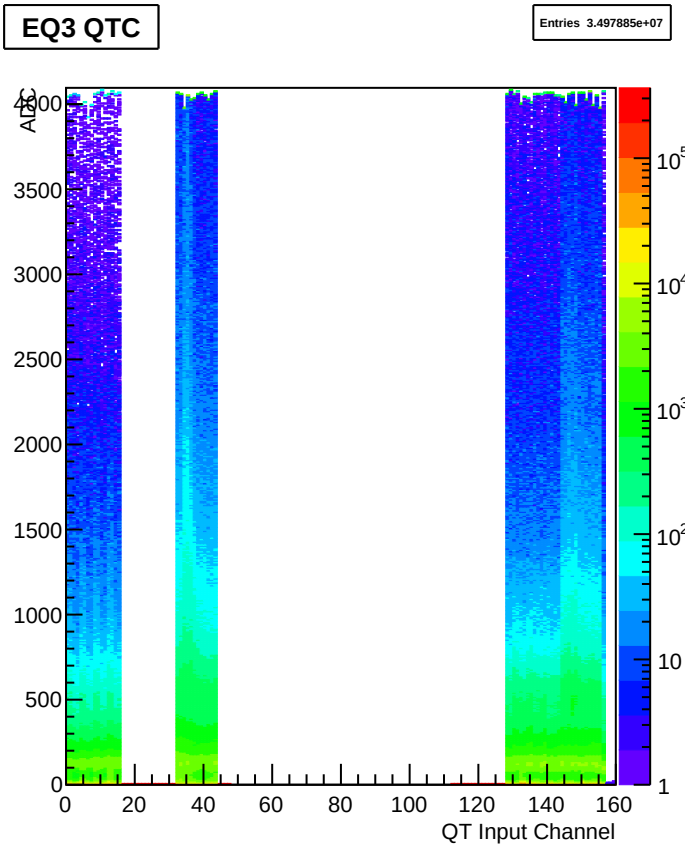

EQ2 QTB
Entries 3.421006e+07
TDC
QT Input Channel

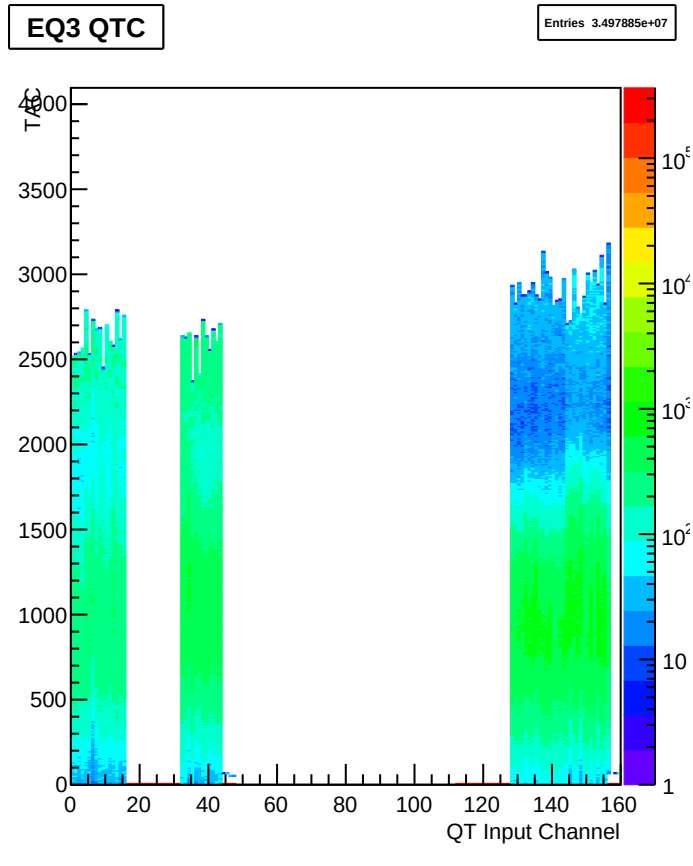

EQ2 QTC
Entries 3.497885e+07
ADC
QT Input Channel

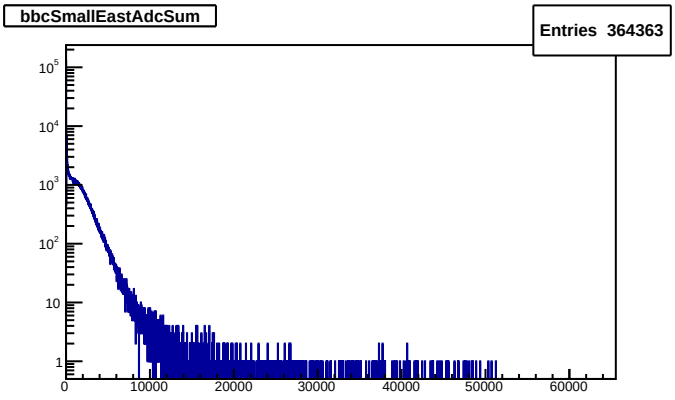

EQ2 QTC
Entries 3.497885e+07
TADC
QT Input Channel

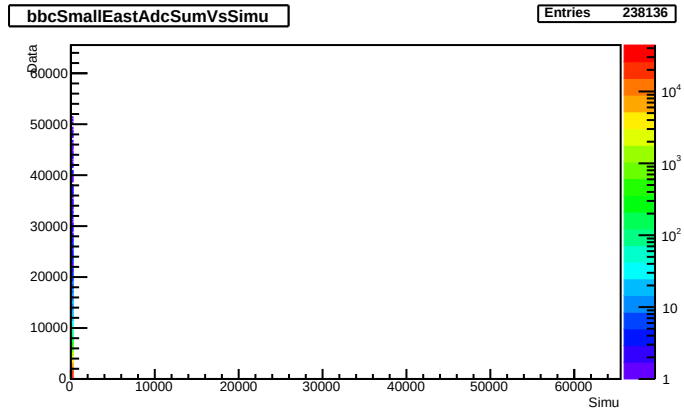

EQ3 QTB
Entries 9.327693e+07
ADC
QT Input Channel

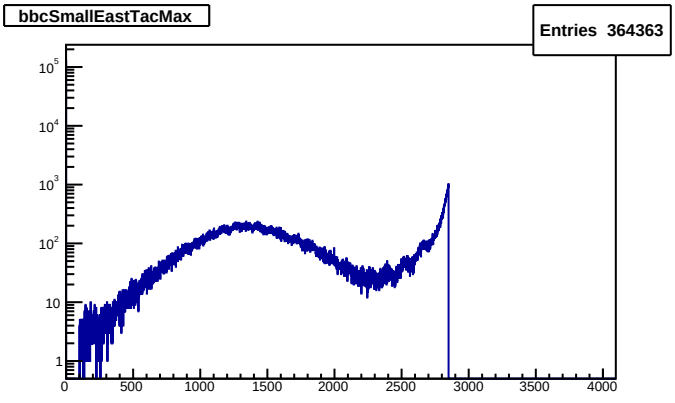

EQ3 QTB
Entries 2.813833e+07
TDC
QT Input Channel

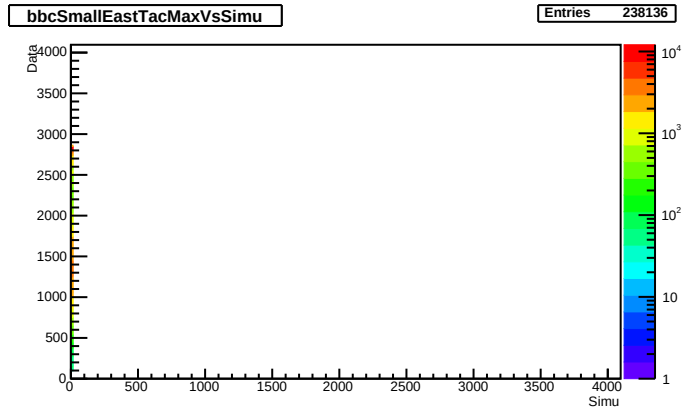

EQ3 QTC
Entries 3.497885e+07
ADC
QT Input Channel

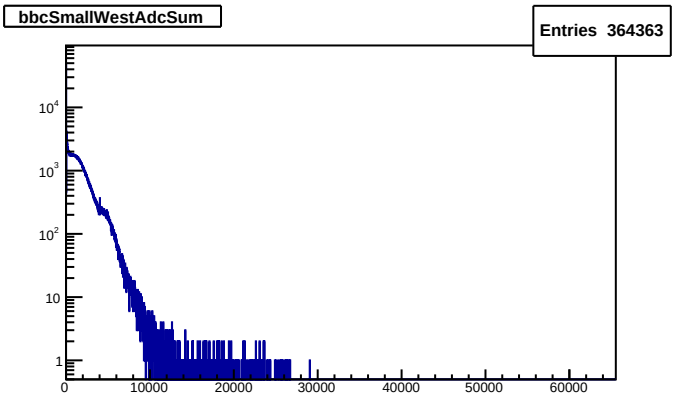

EQ3 QTC
Entries 3.497885e+07
TADC
QT Input Channel

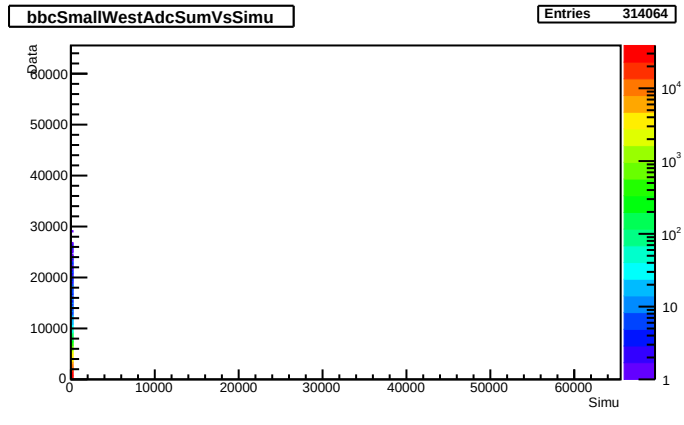

bbcSmallEastAdcSum
Entries 364363

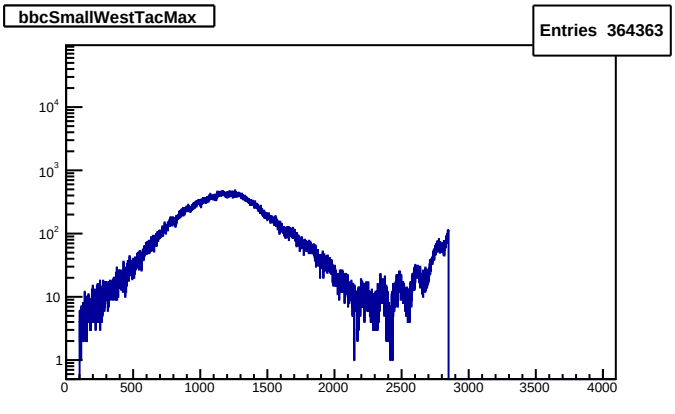

bbcSmallEastAdcSumVsSimu
Entries 238136
Data
Simu

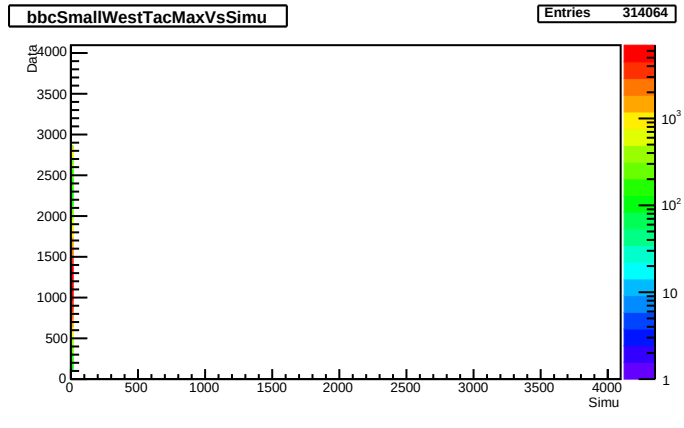

bbcSmallEastTacMax
Entries 364363

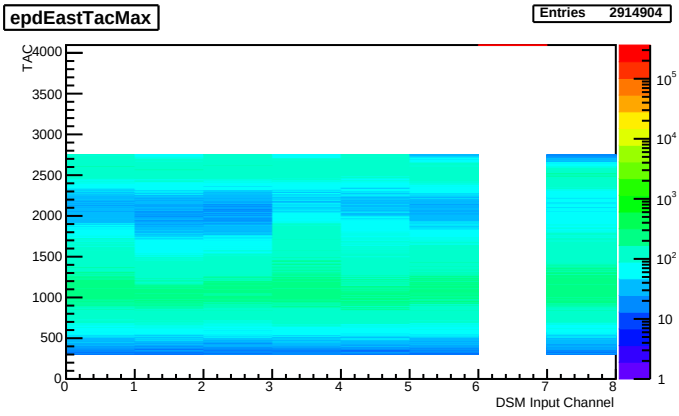

bbcSmallEastTacMaxVsSimu
Entries 238136
Data
Simu

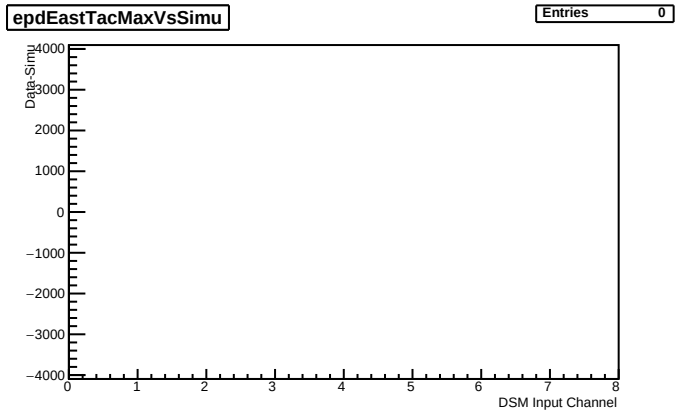

bbcSmallWestAdcSum
Entries 364363

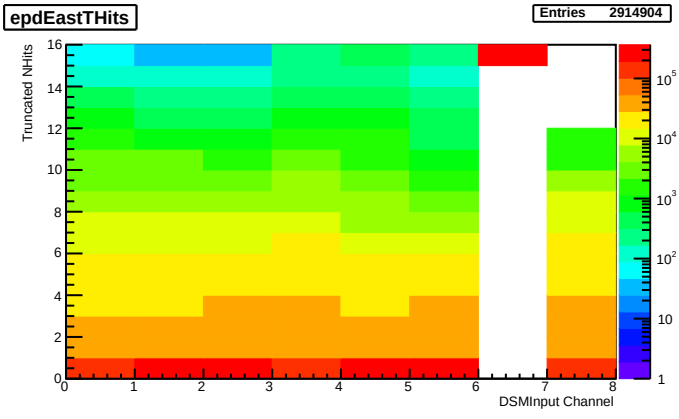

bbcSmallWestAdcSumVsSimu
Entries 314064
Data
Simu

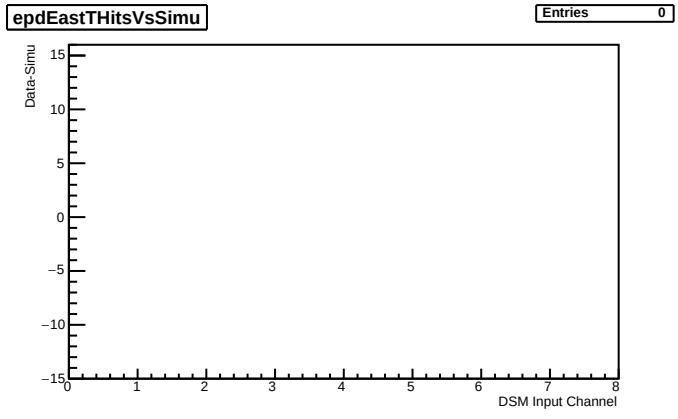

bbcSmallWestTacMax
Entries 364363

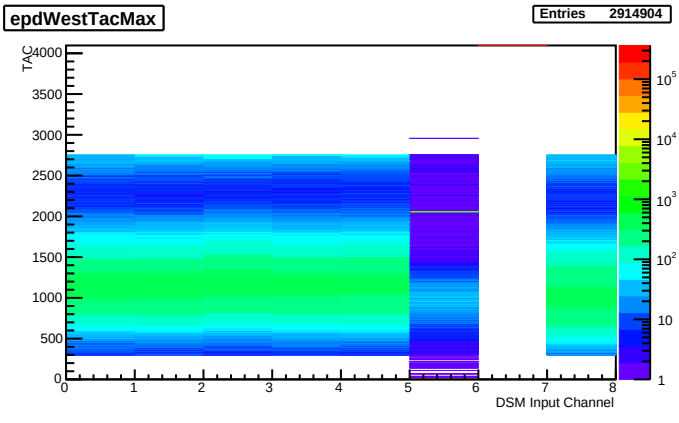

bbcSmallWestTacMaxVsSimu
Entries 314064
Data
Simu

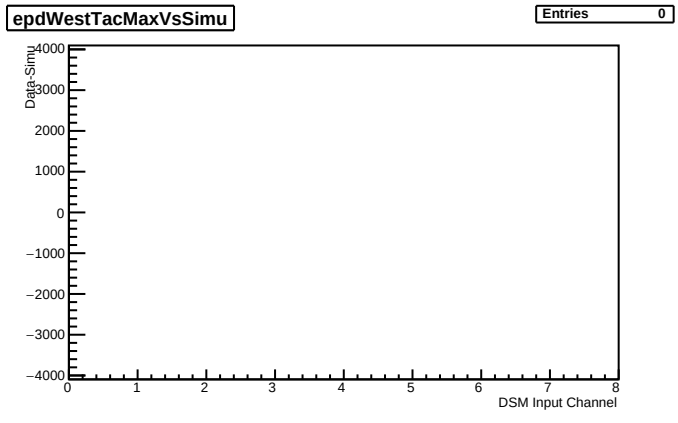

epdEastTacMax
Entries 2914904
TAC
DSM Input Channel

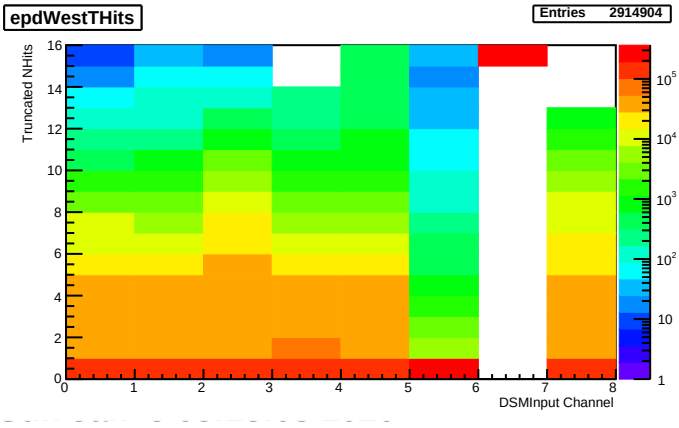

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

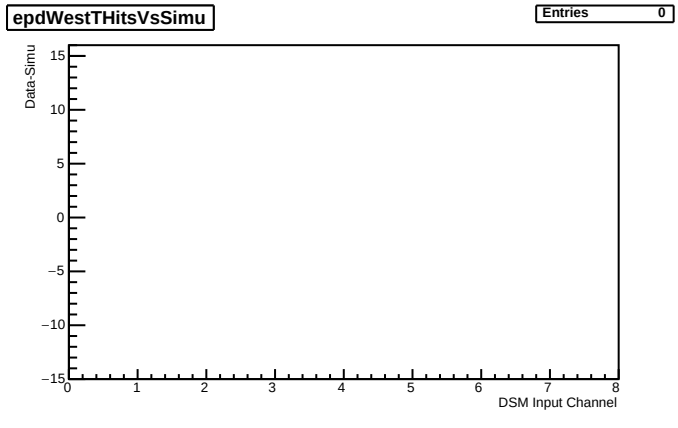

epdEastTHits
Entries 2914904
Truncated NHits
DSMInput Channel

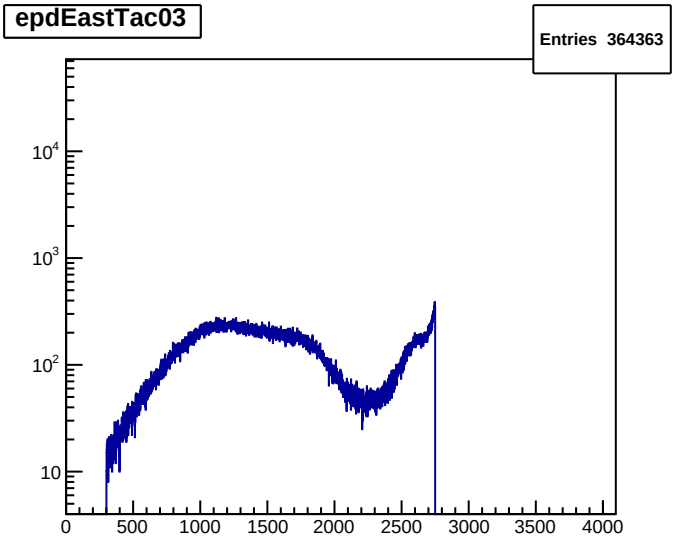

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

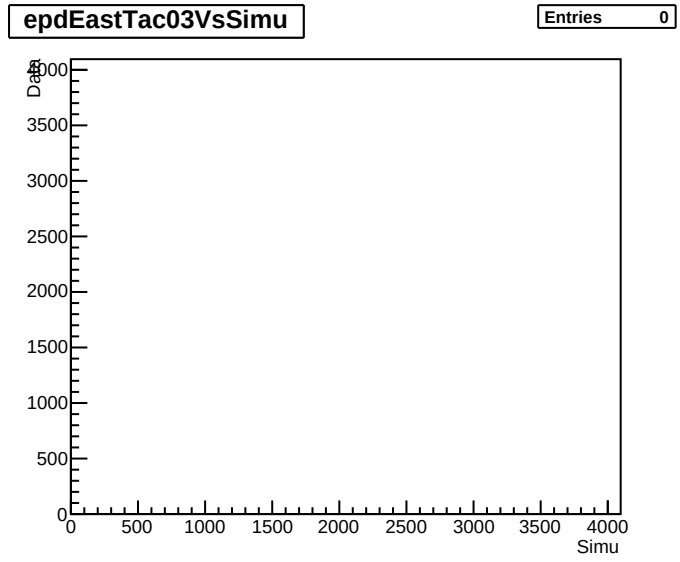

epdWestTacMax
Entries 2914904
TAC
DSM Input Channel

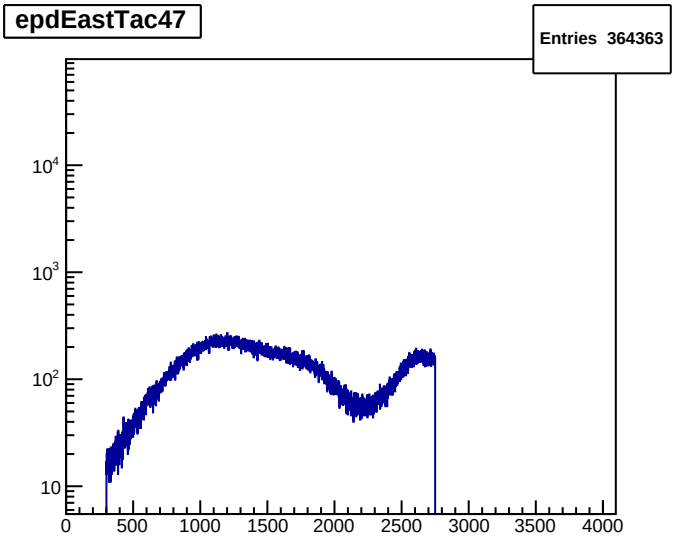

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

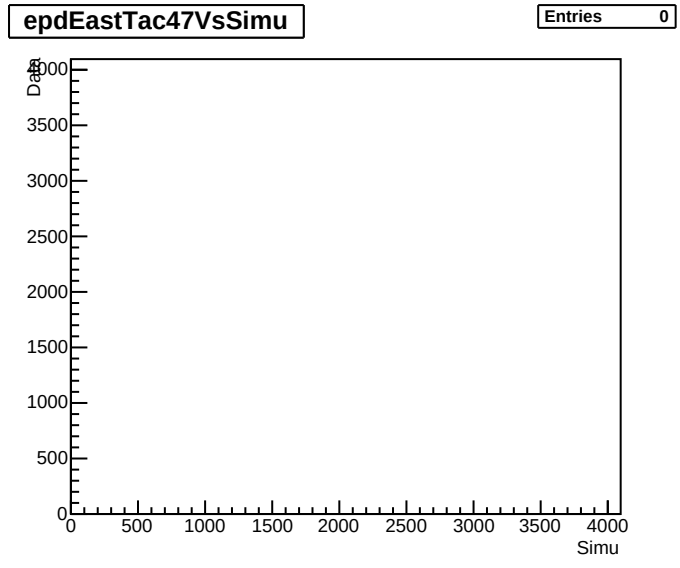

epdWestTHits
Entries 2914904
Truncated NHits
DSMInput Channel

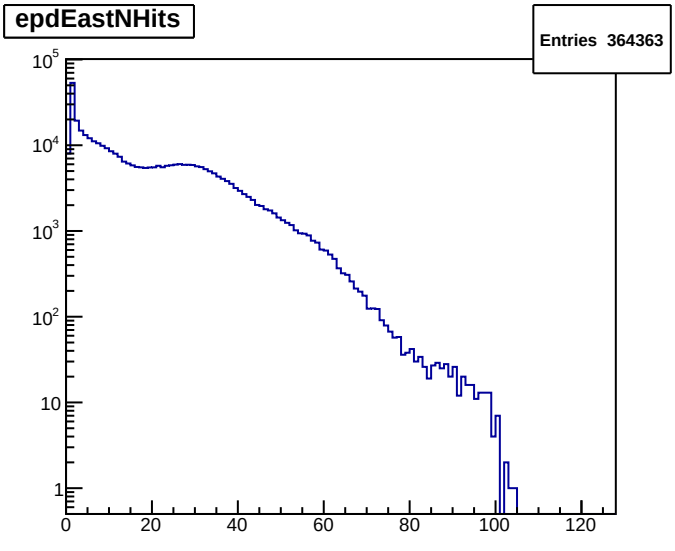

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

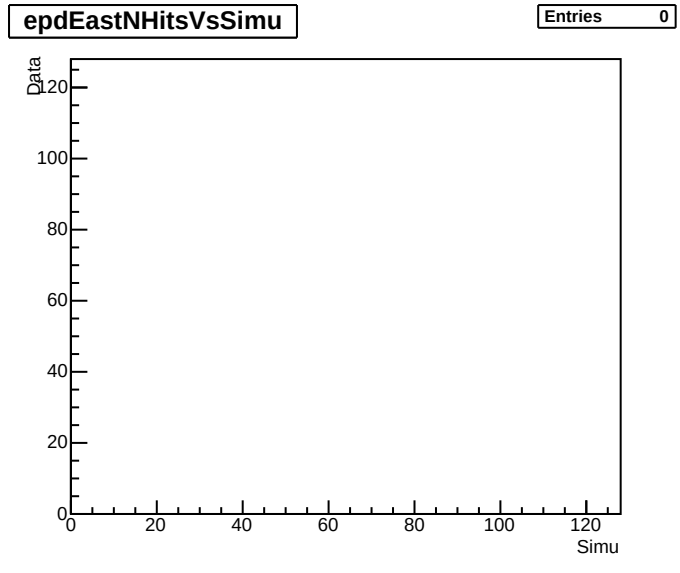

epdEastTac03
Entries 364363

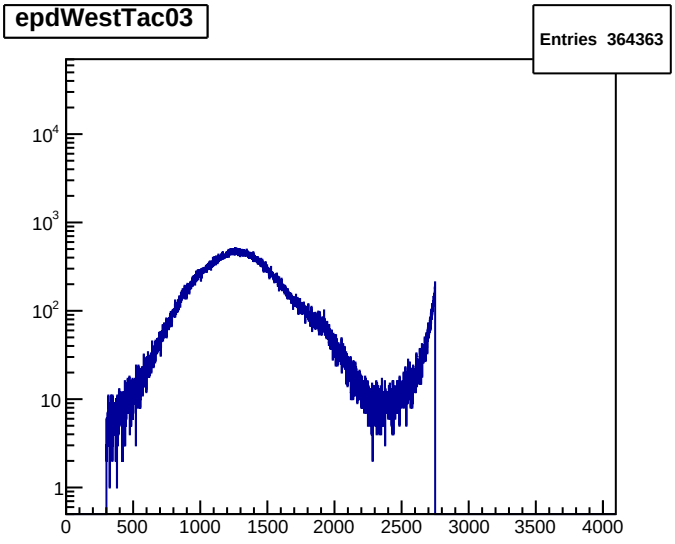

epdEastTac03VsSimu
Entries 0
Data
Simu

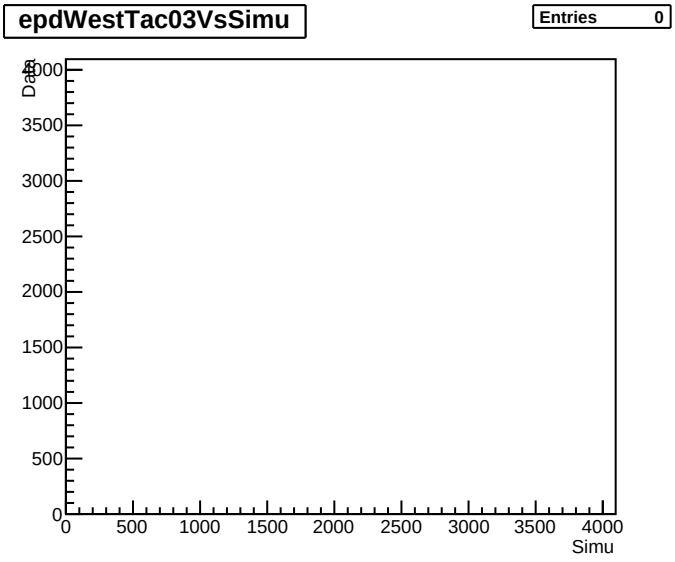

epdEastTac47
Entries 364363

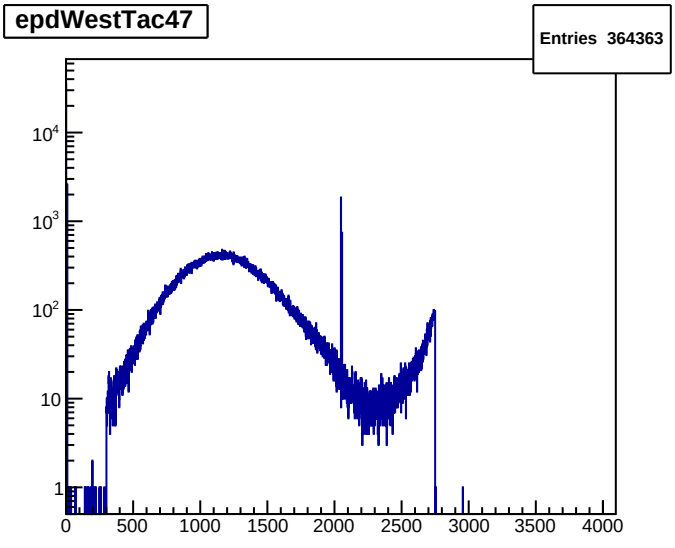

epdEastTac47VsSimu
Entries 0
Data
Simu

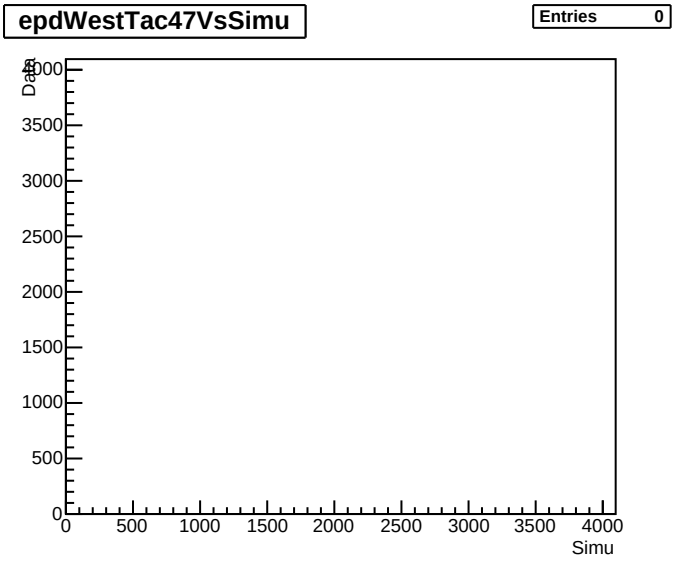

epdEastNHits
Entries 364363

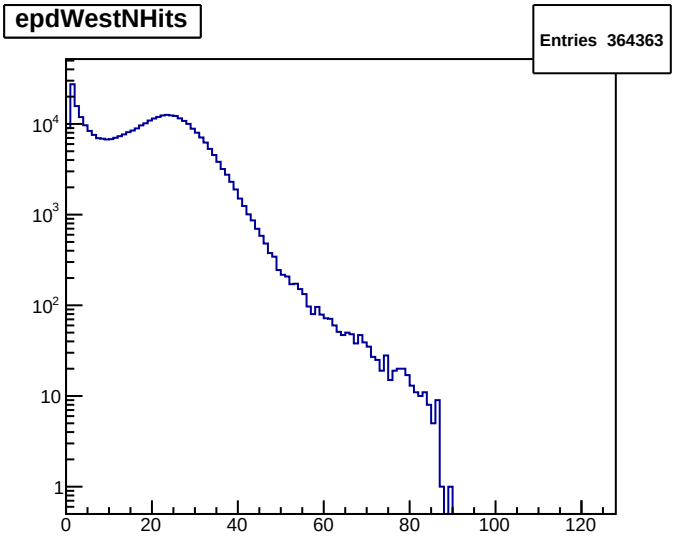

epdEastNHitsVsSimu
Entries 0
Data
Simu

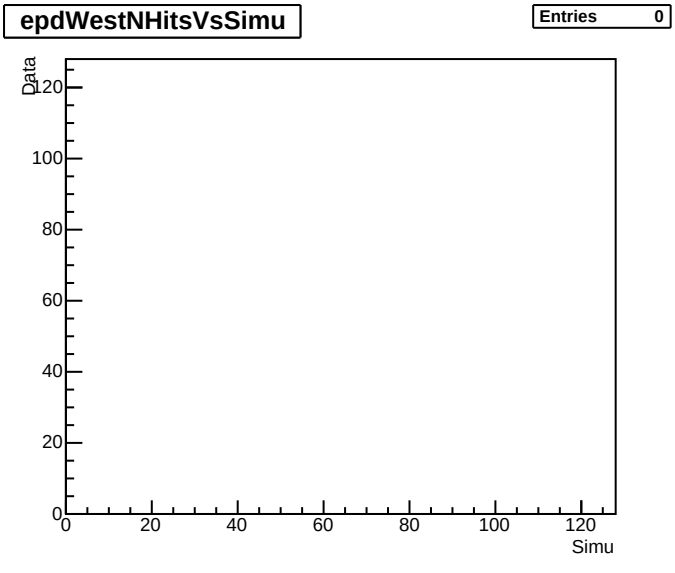

epdWestTac03
Entries 364363

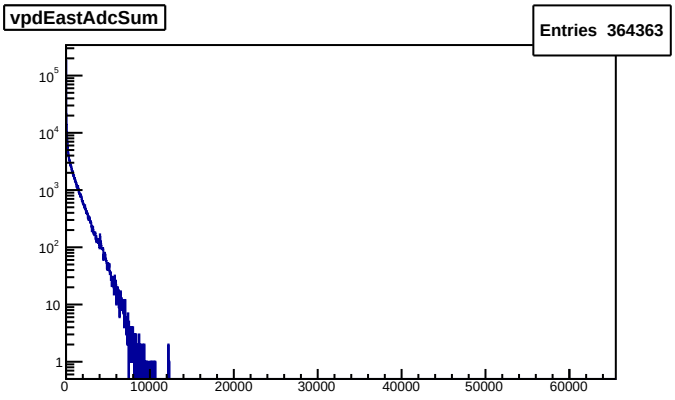

epdWestTac03VsSimu
Entries 0
Data
Simu

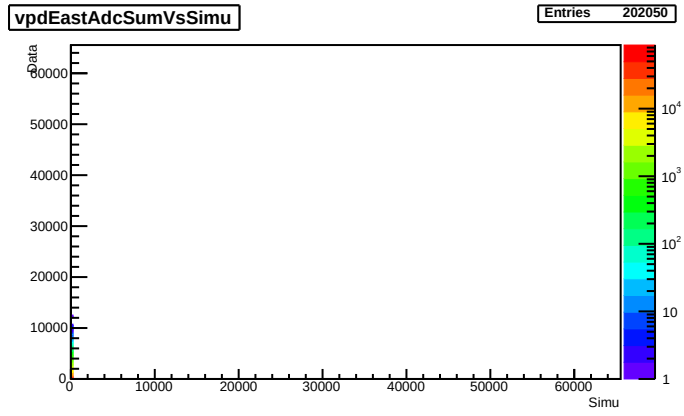

epdWestTac47
Entries 364363

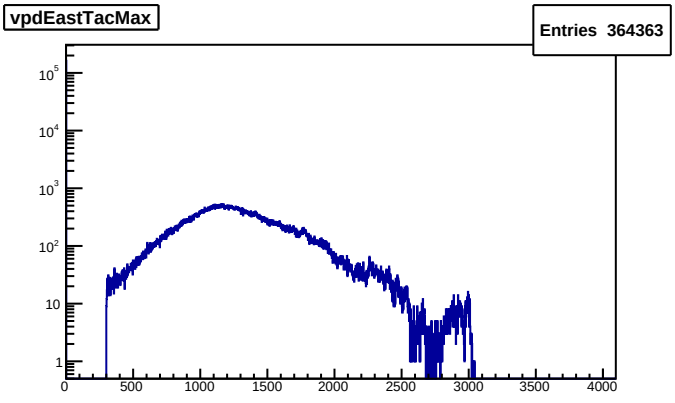

epdWestTac47VsSimu
Entries 0
Data
Simu

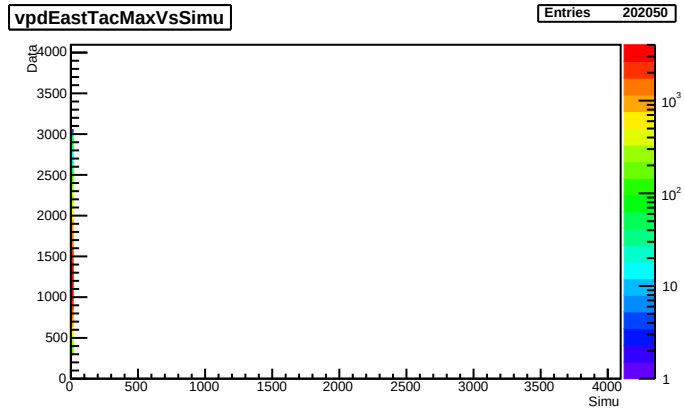

epdWestNHits
Entries 364363

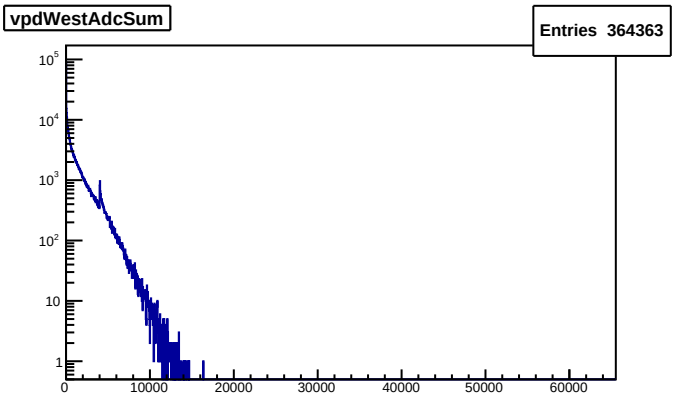

epdWestNHitsVsSimu
Entries 0
Data
Simu

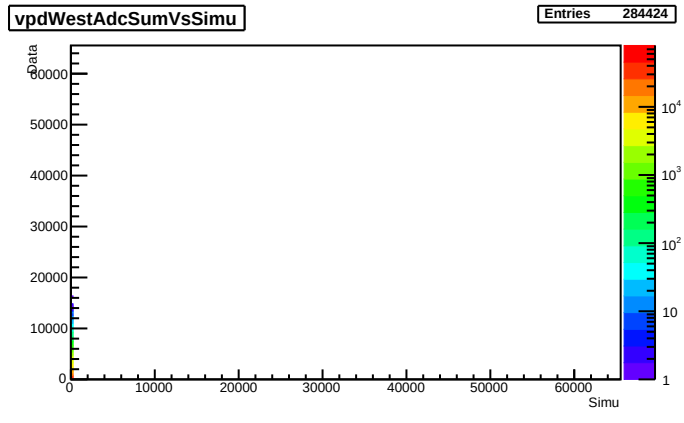

vpdEastAdcSum
Entries 364363

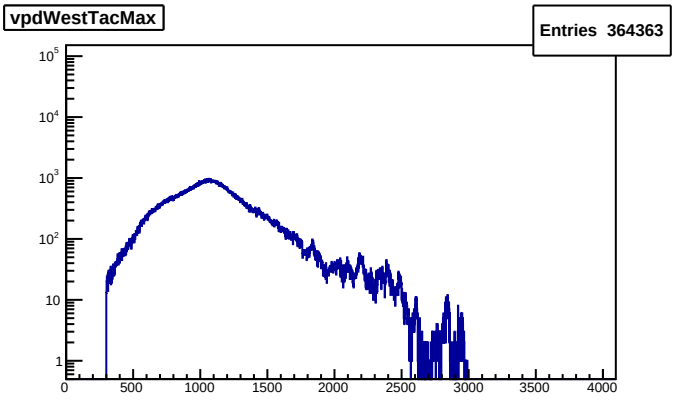

vpdEastAdcSumVsSimu
Entries 202050
Data
Simu

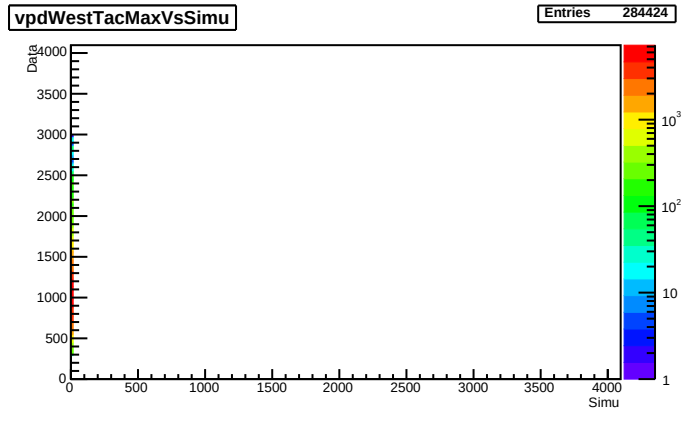

vpdEastTacMax
Entries 364363

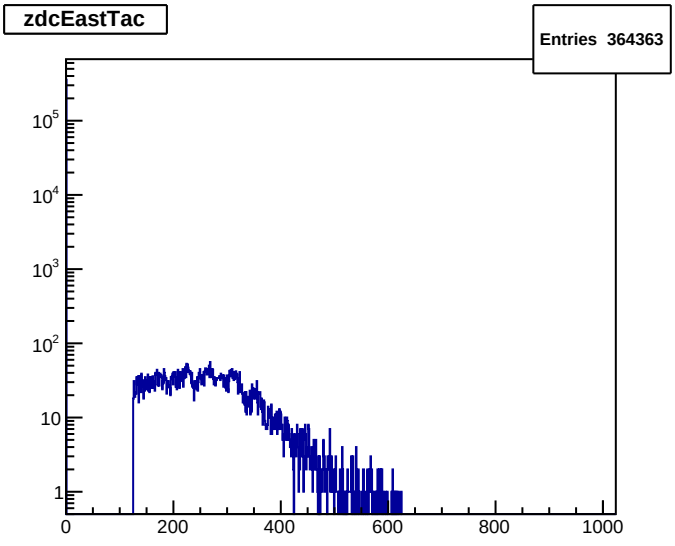

vpdEastTacMaxVsSimu
Entries 202050
Data
Simu

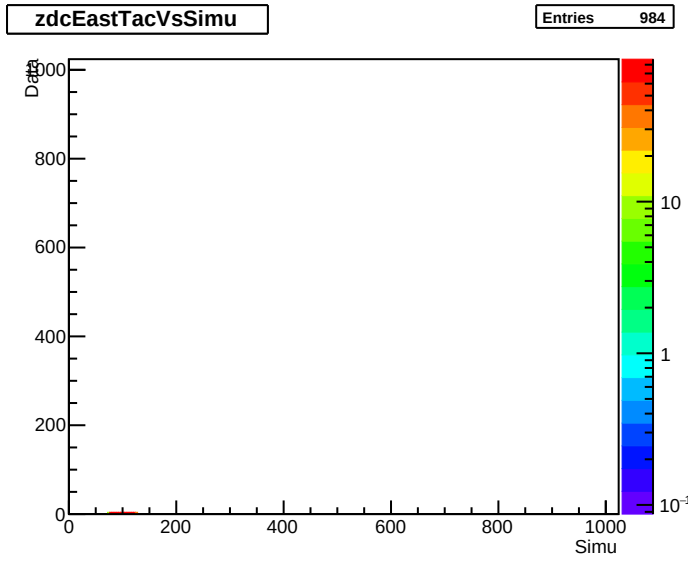

vpdWestAdcSum
Entries 364363

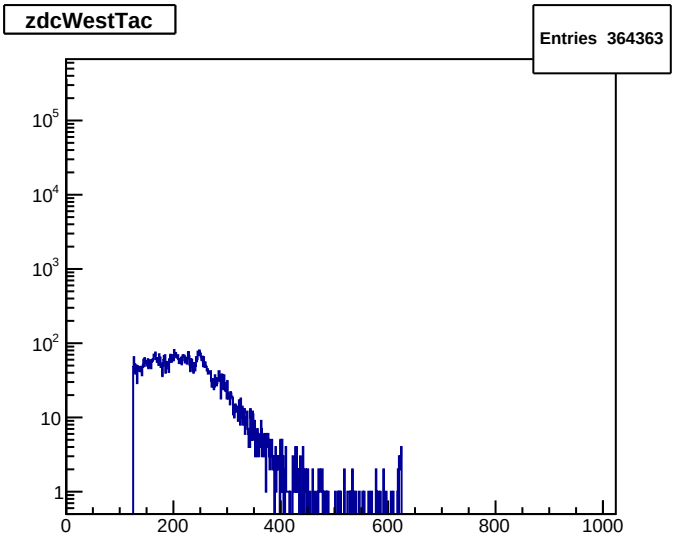

vpdWestAdcSumVsSimu
Entries 284424
Data
Simu

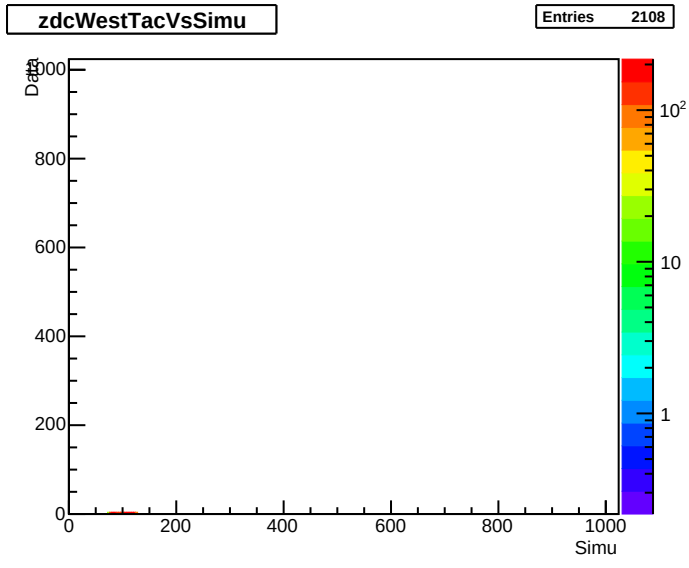

vpdWestTacMax
Entries 364363

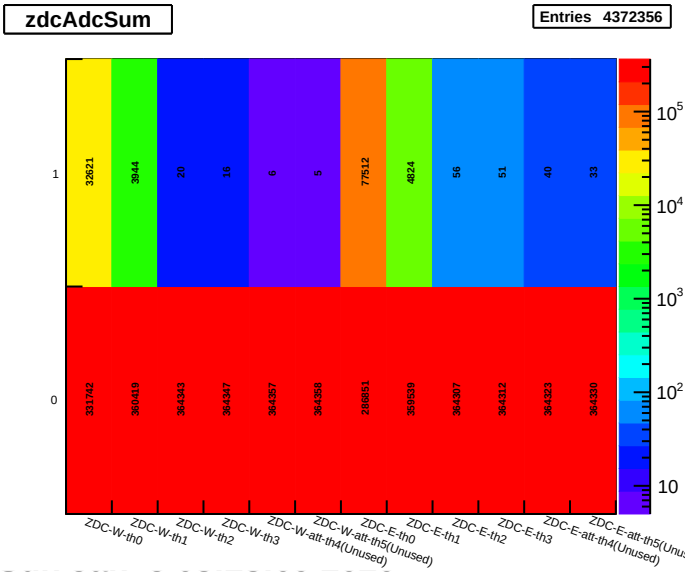

vpdWestTacMaxVsSimu
Entries 284424
Data
Simu

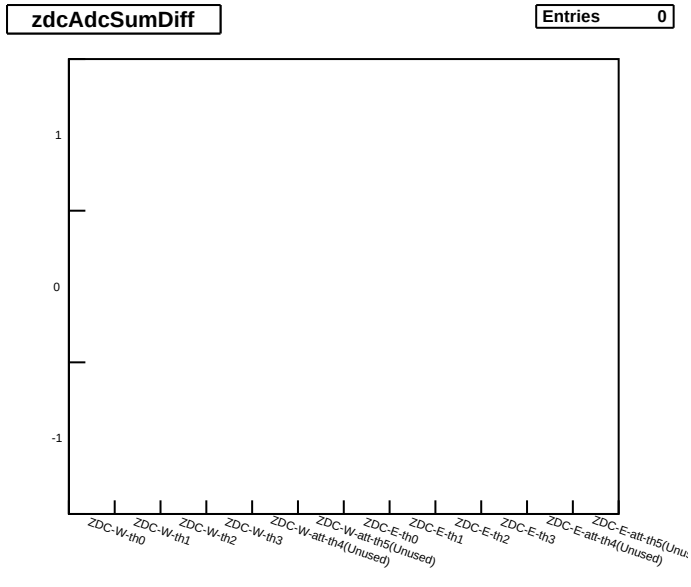

zdcEastTac
Entries 364363

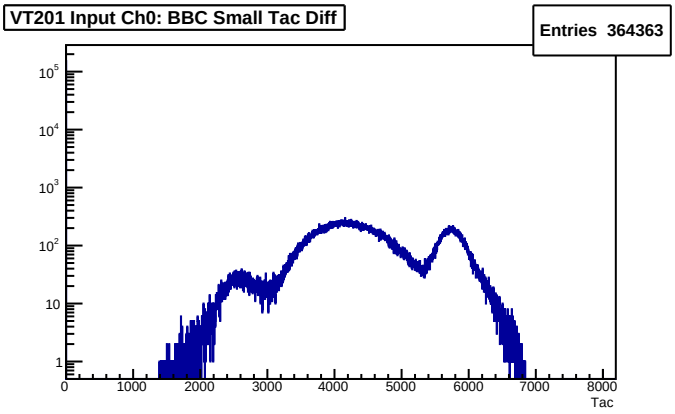

zdcEastTacVsSimu
Entries 984
Data
Simu

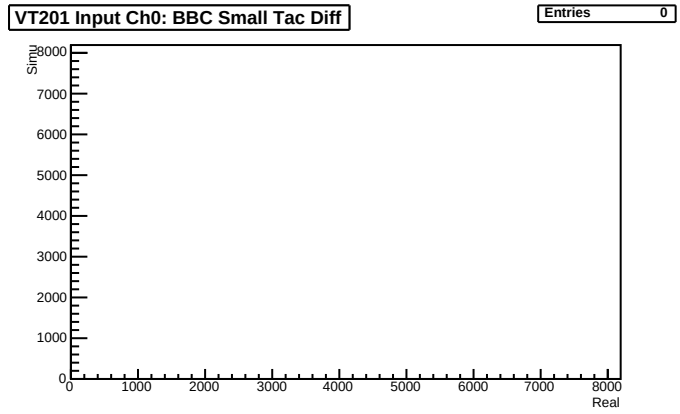

zdcWestTac
Entries 364363

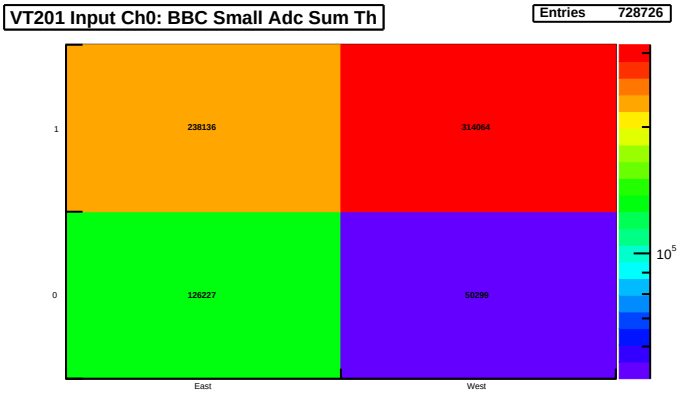

zdcWestTacVsSimu
Entries 2108
Data
Simu

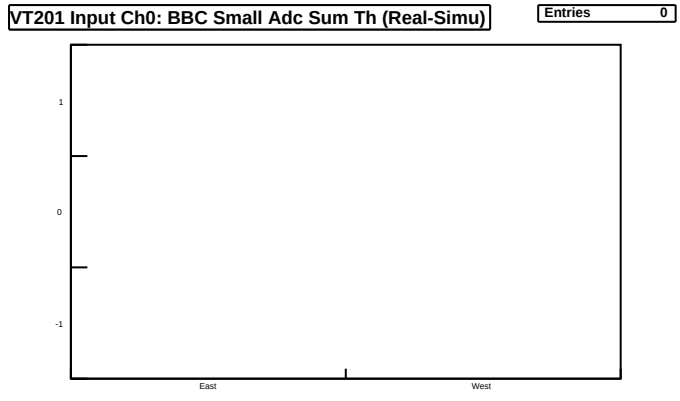

zdcAdcSum
Entries 4372356
32621
3944
20
16
6
5
77512
4824
56
51
40
33
331742
360419
364343
364347
364357
364358
286851
359539
364307
364312
364323
364330
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

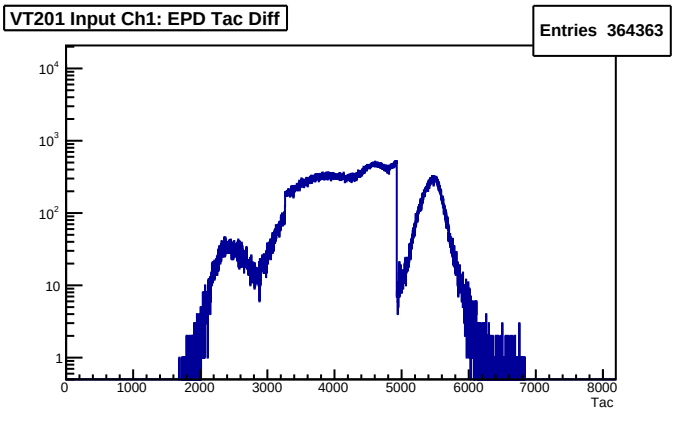

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

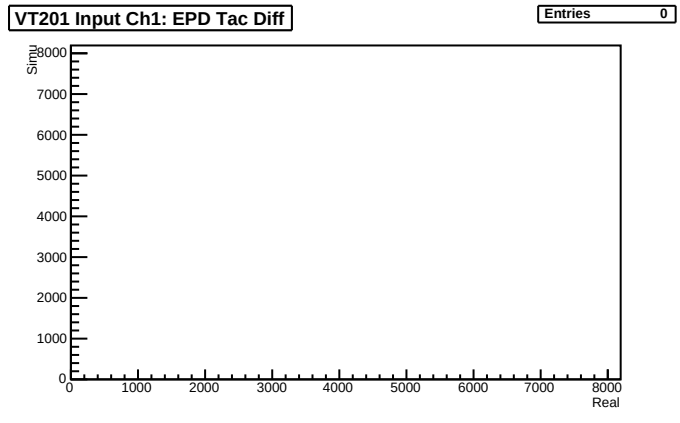

VT201 Input Ch0: BBC Small Tac Diff
Entries 364363
Tac

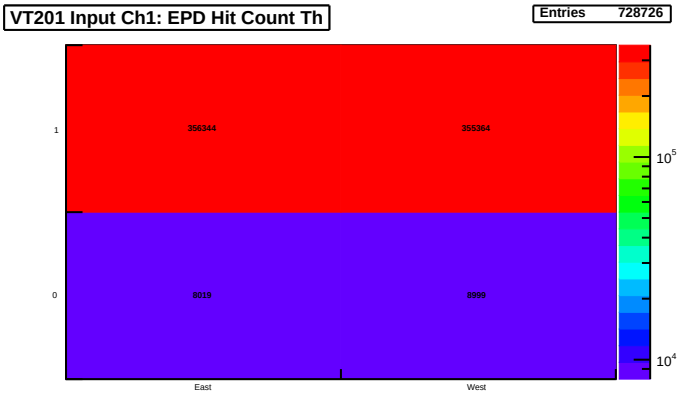

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

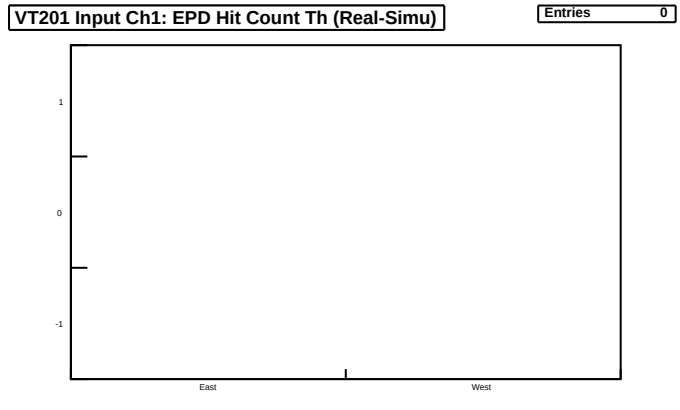

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 728726
238136
314064
126227
50299
East
West

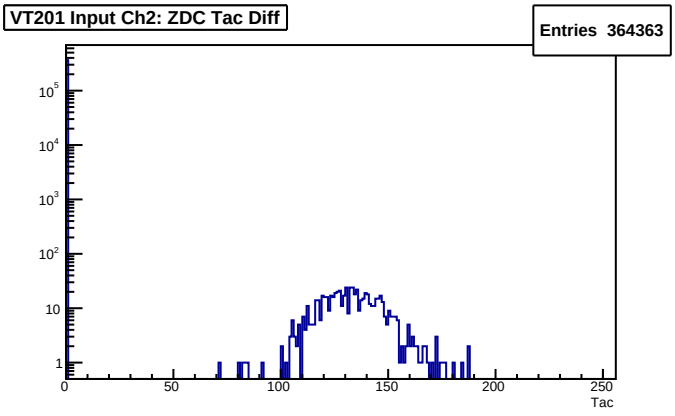

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

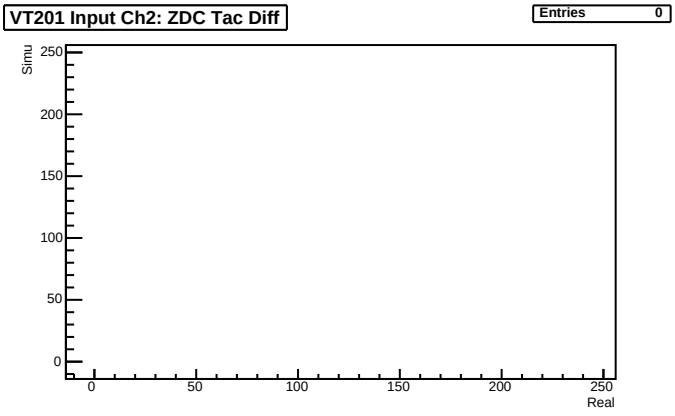

VT201 Input Ch1: EPD Tac Diff
Entries 364363
Tac

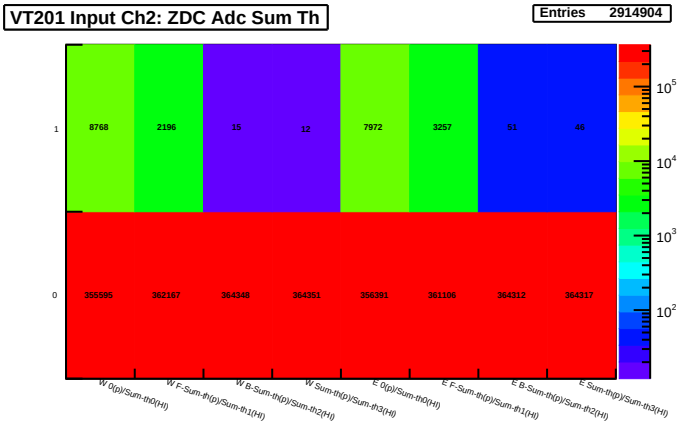

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

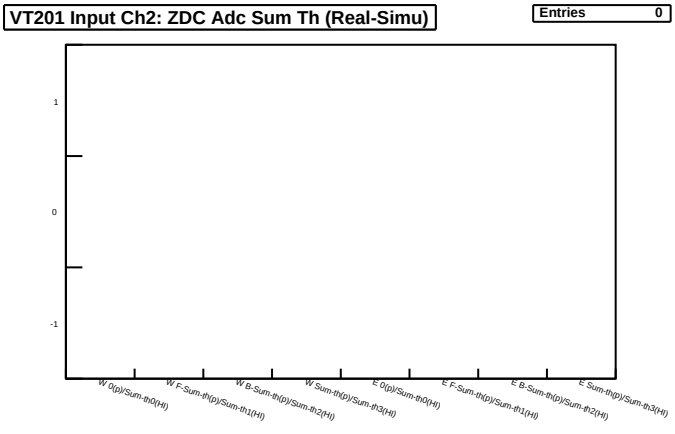

VT201 Input Ch1: EPD Hit Count Th
Entries 728726
356344
355364
8019
8999
East
West

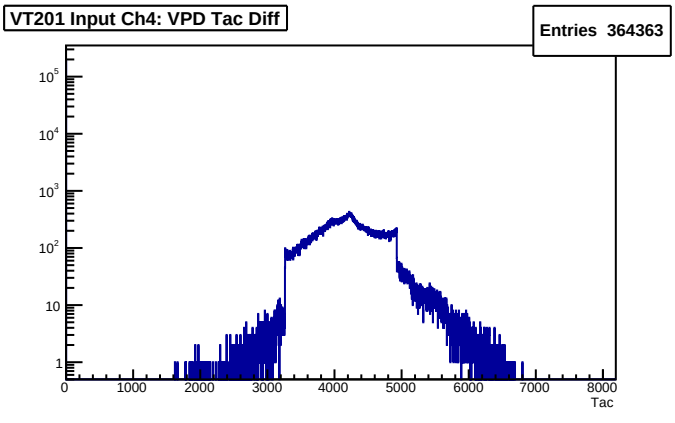

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

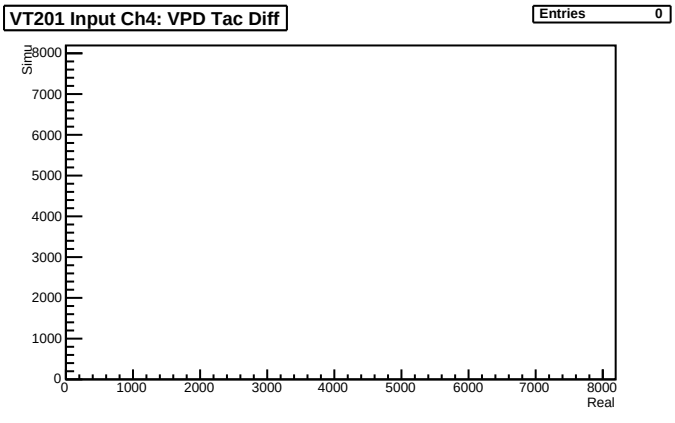

VT201 Input Ch2: ZDC Tac Diff
Entries 364363
Tac

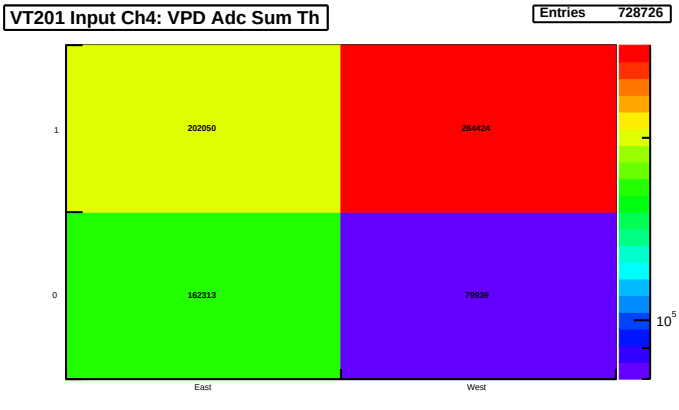

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

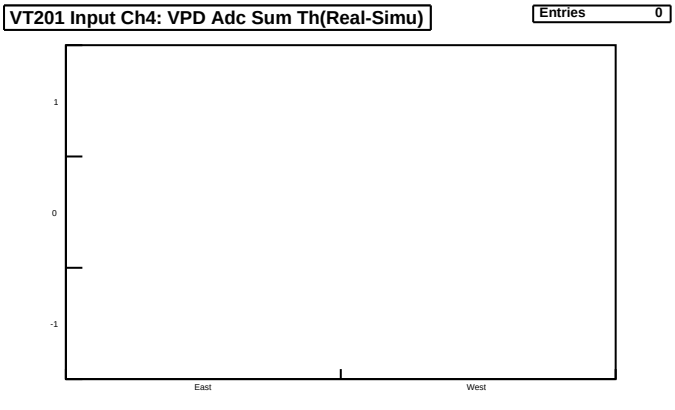

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2914904
8768
2196
15
12
7972
3257
51
46
355595
362167
364348
364351
356391
361106
364312
364317
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

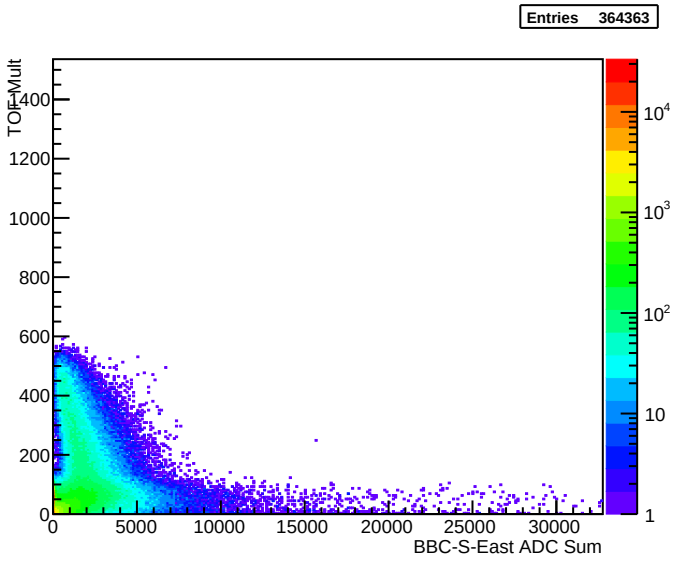

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

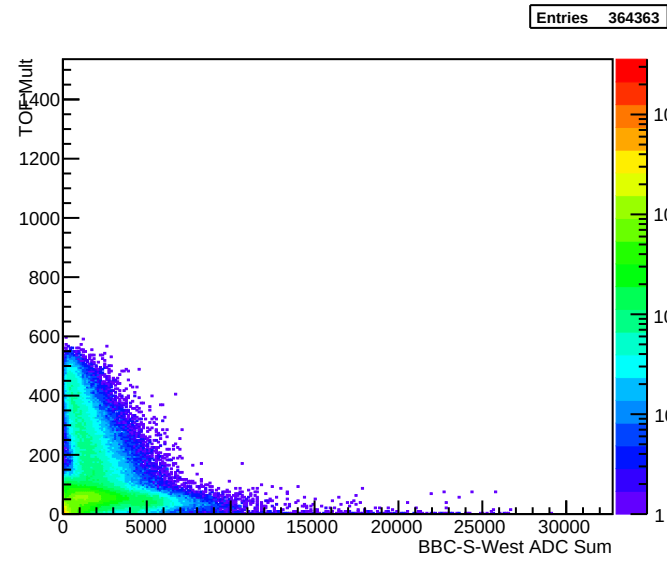

VT201 Input Ch4: VPD Tac Diff
Entries 364363
Tac

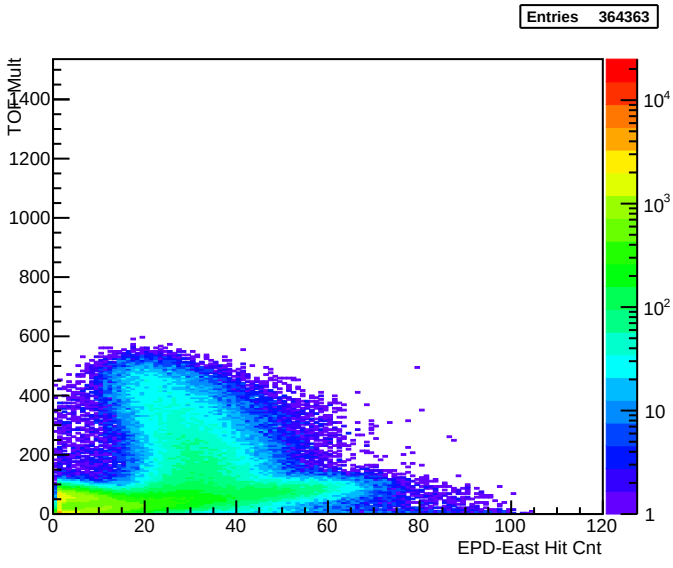

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

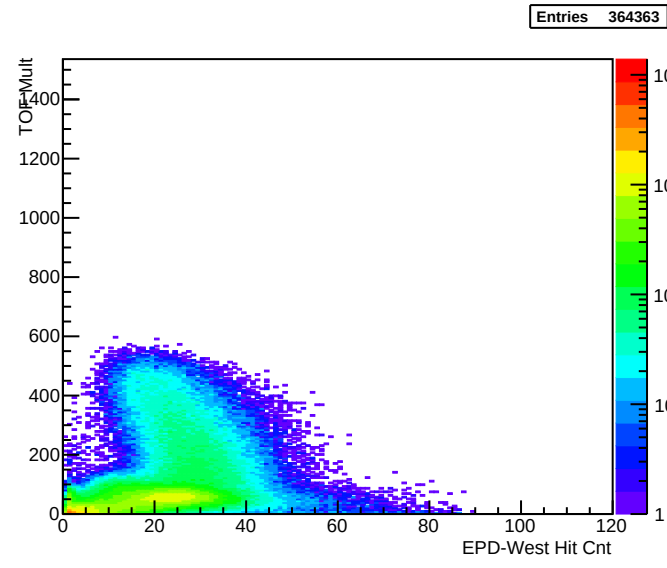

VT201 Input Ch4: VPD Adc Sum Th
Entries 728726
202050
284424
162313
79939
East
West

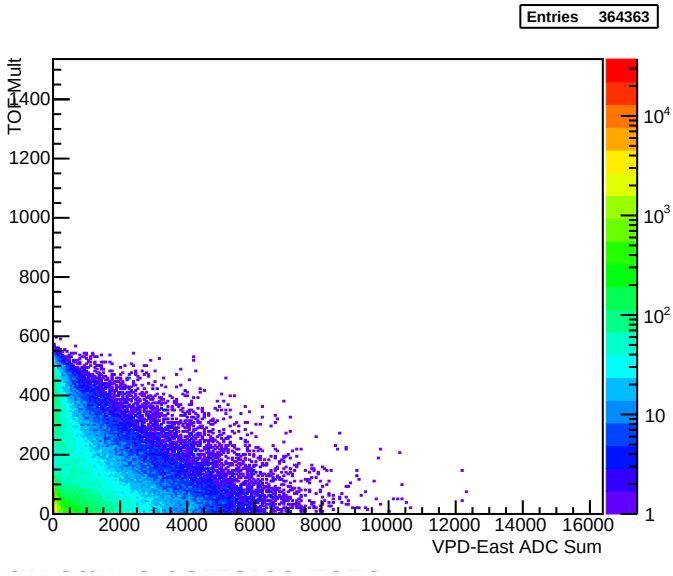

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

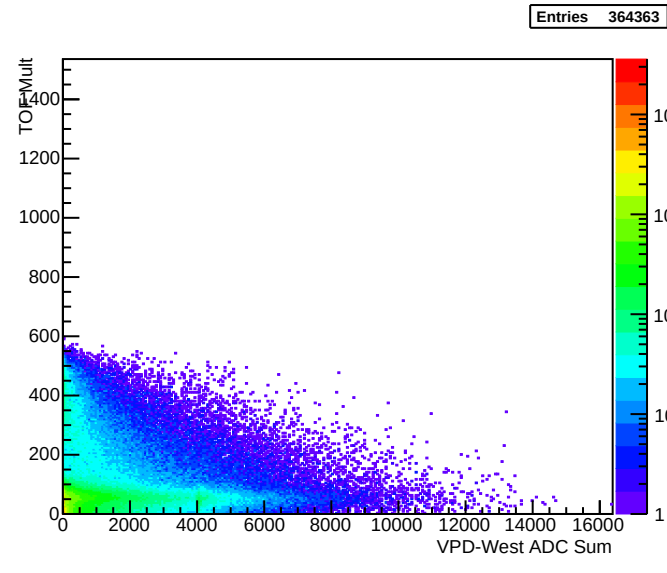

Entries 364363
TOF-Mult
BBC-S-East ADC Sum

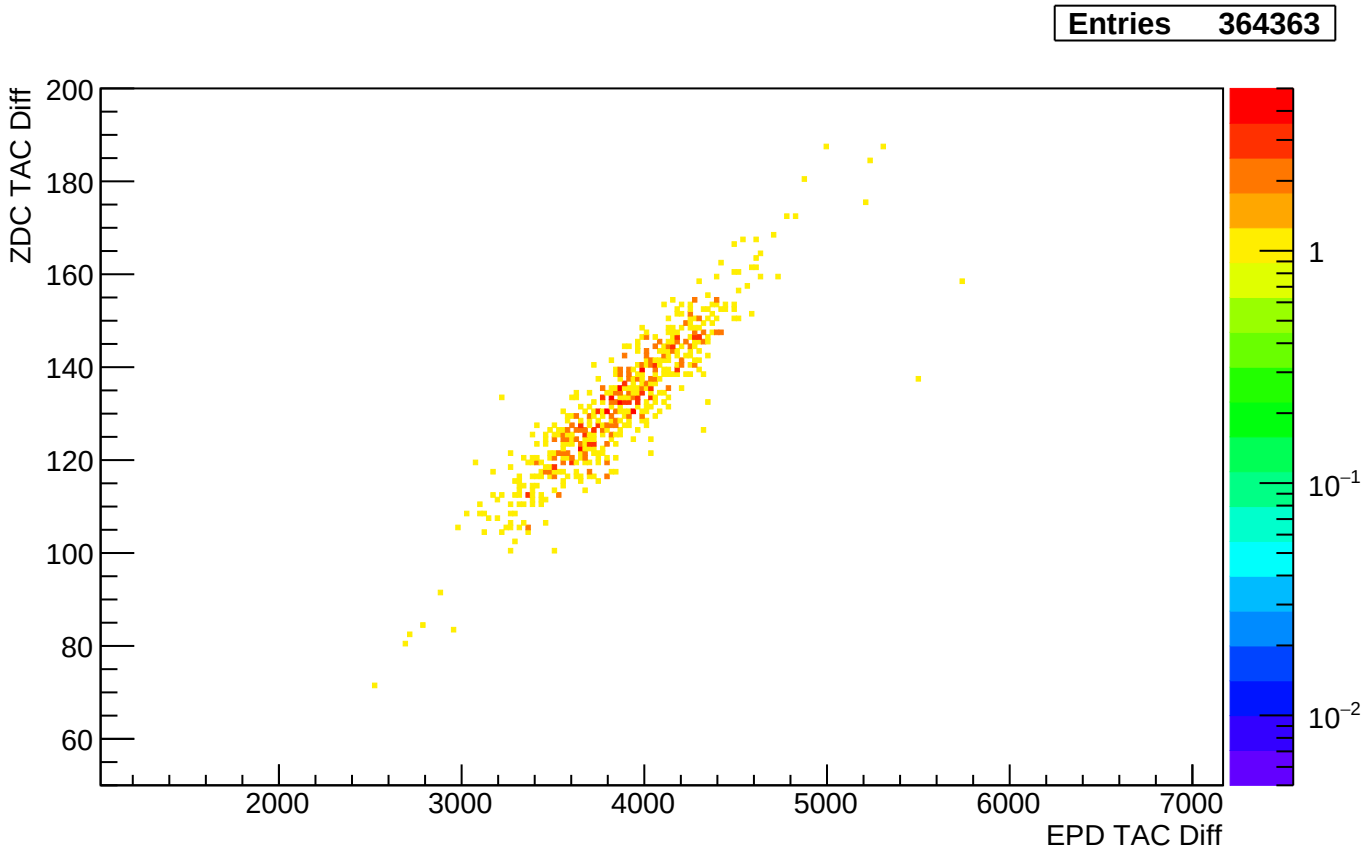

Entries 364363
TOF-Mult
BBC-S-West ADC Sum

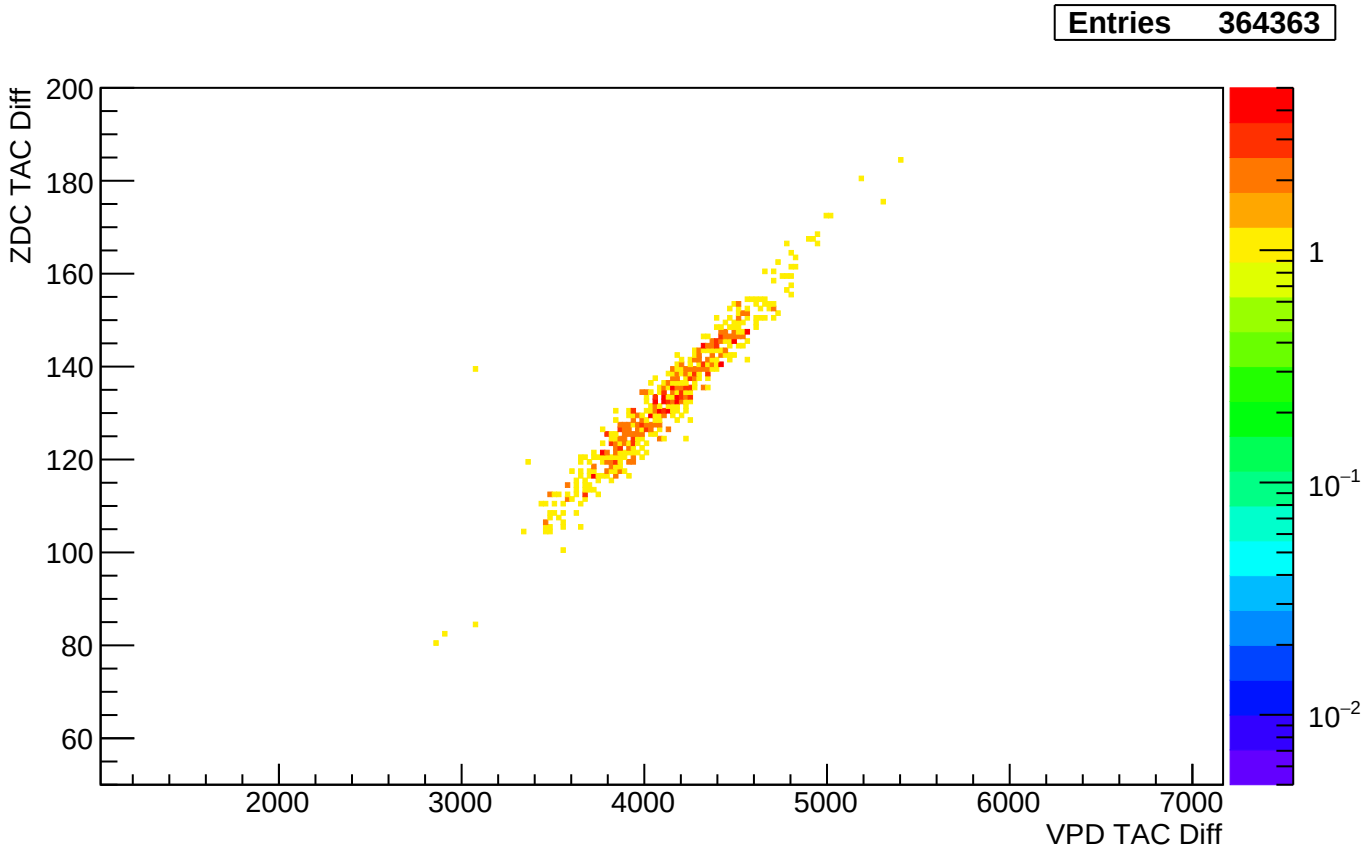

Entries 364363
TOF-Mult
EPD-East Hit Cnt

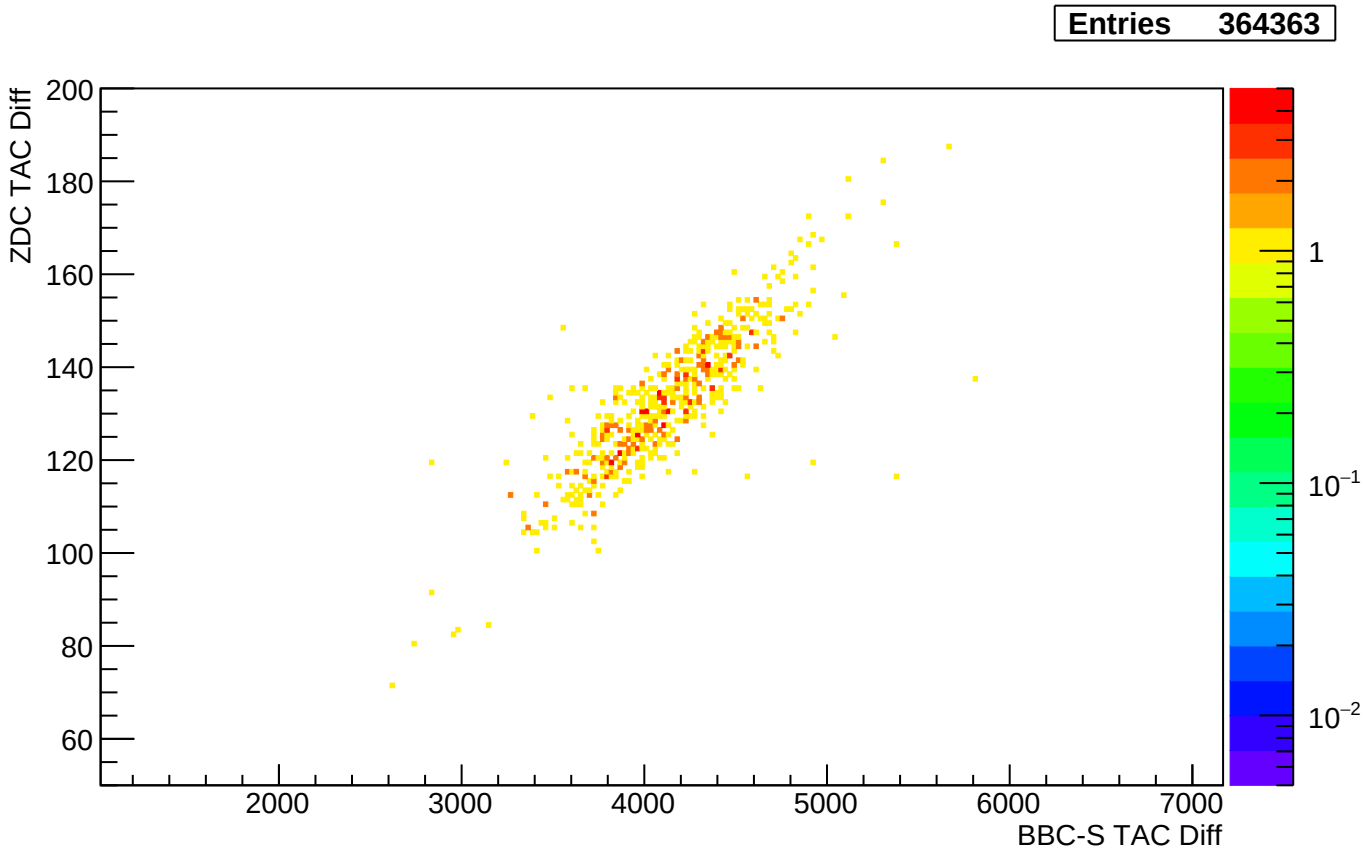

Entries 364363
TOF-Mult
EPD-West Hit Cnt

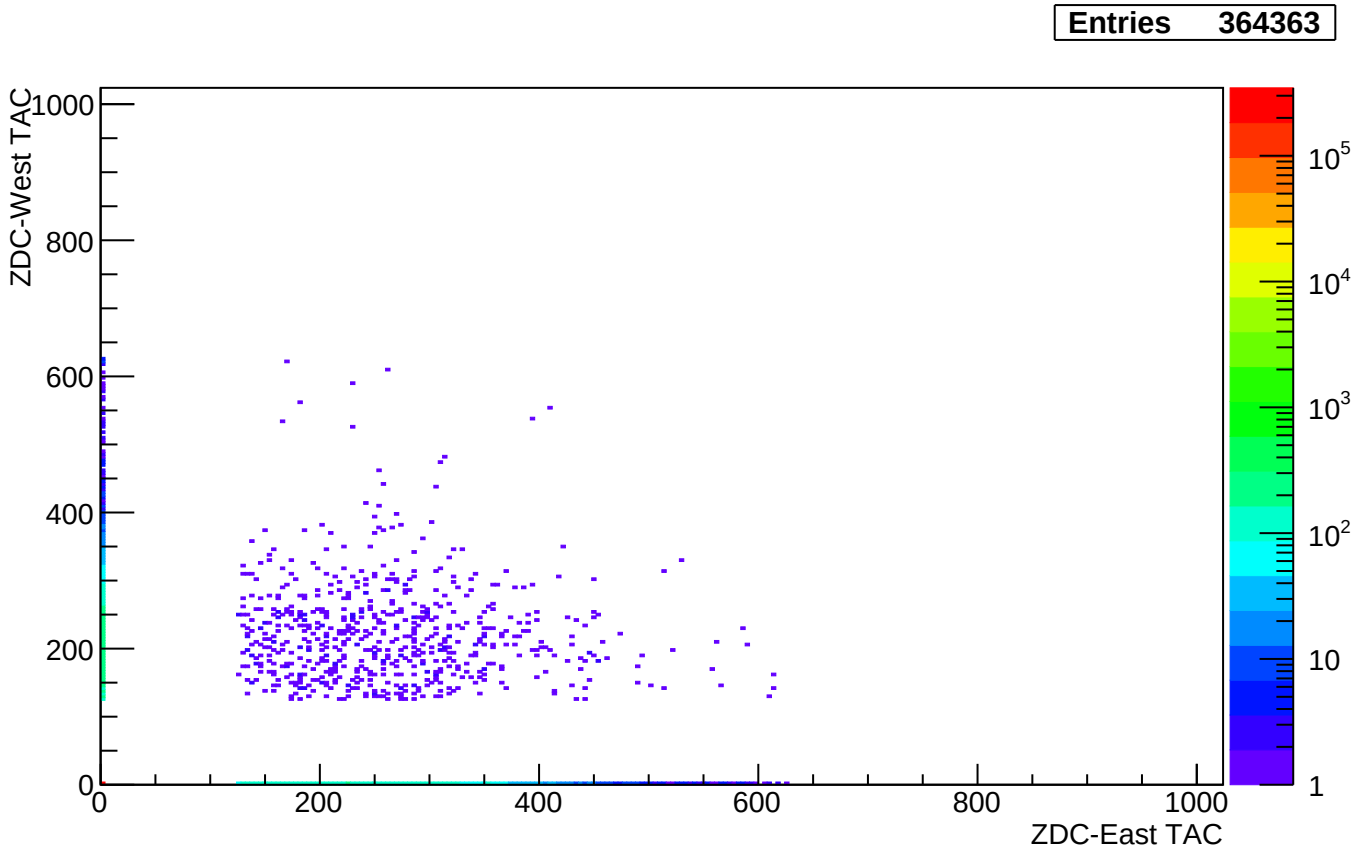

Entries 364363
TOF-Mult
VPD-East ADC Sum

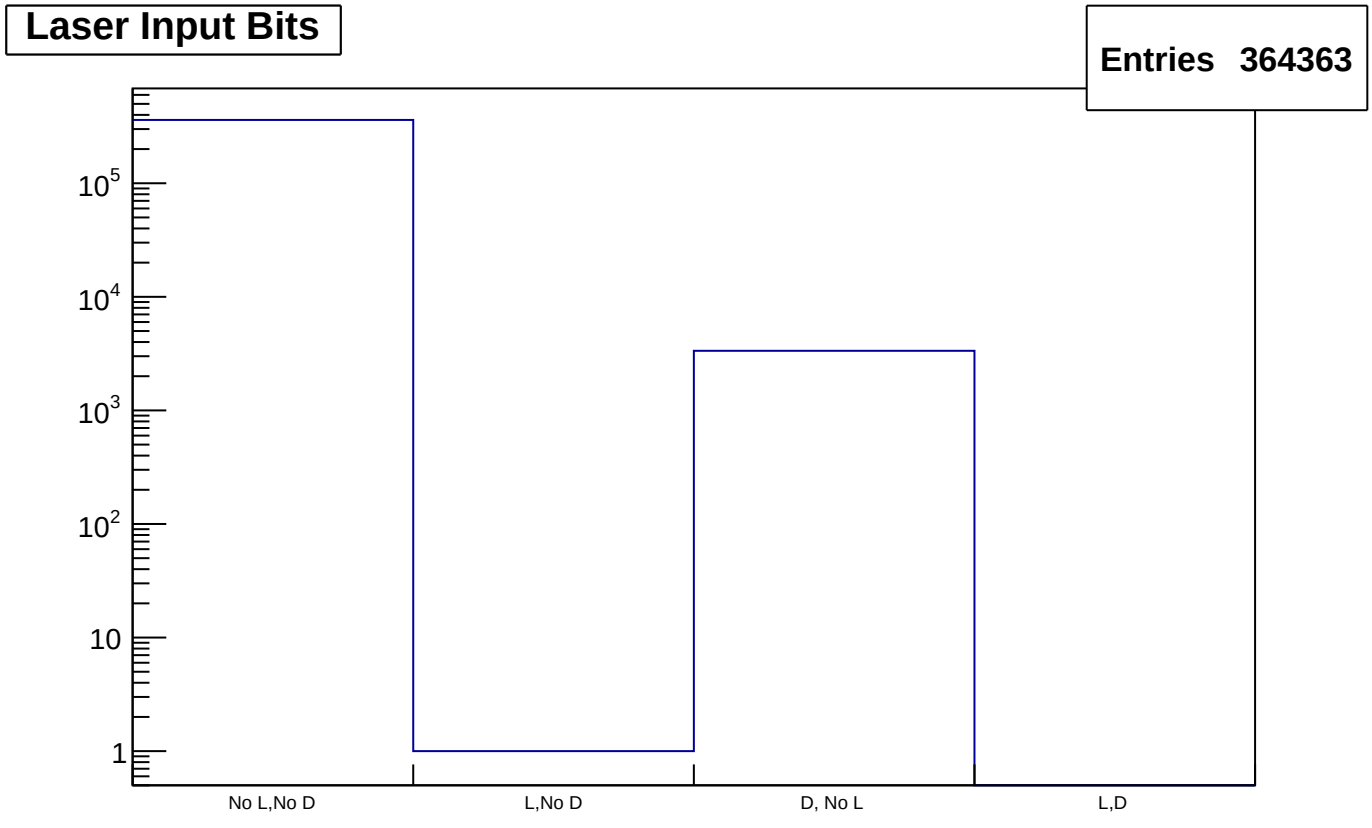

Entries 364363
TOF-Mult
VPD-West ADC Sum

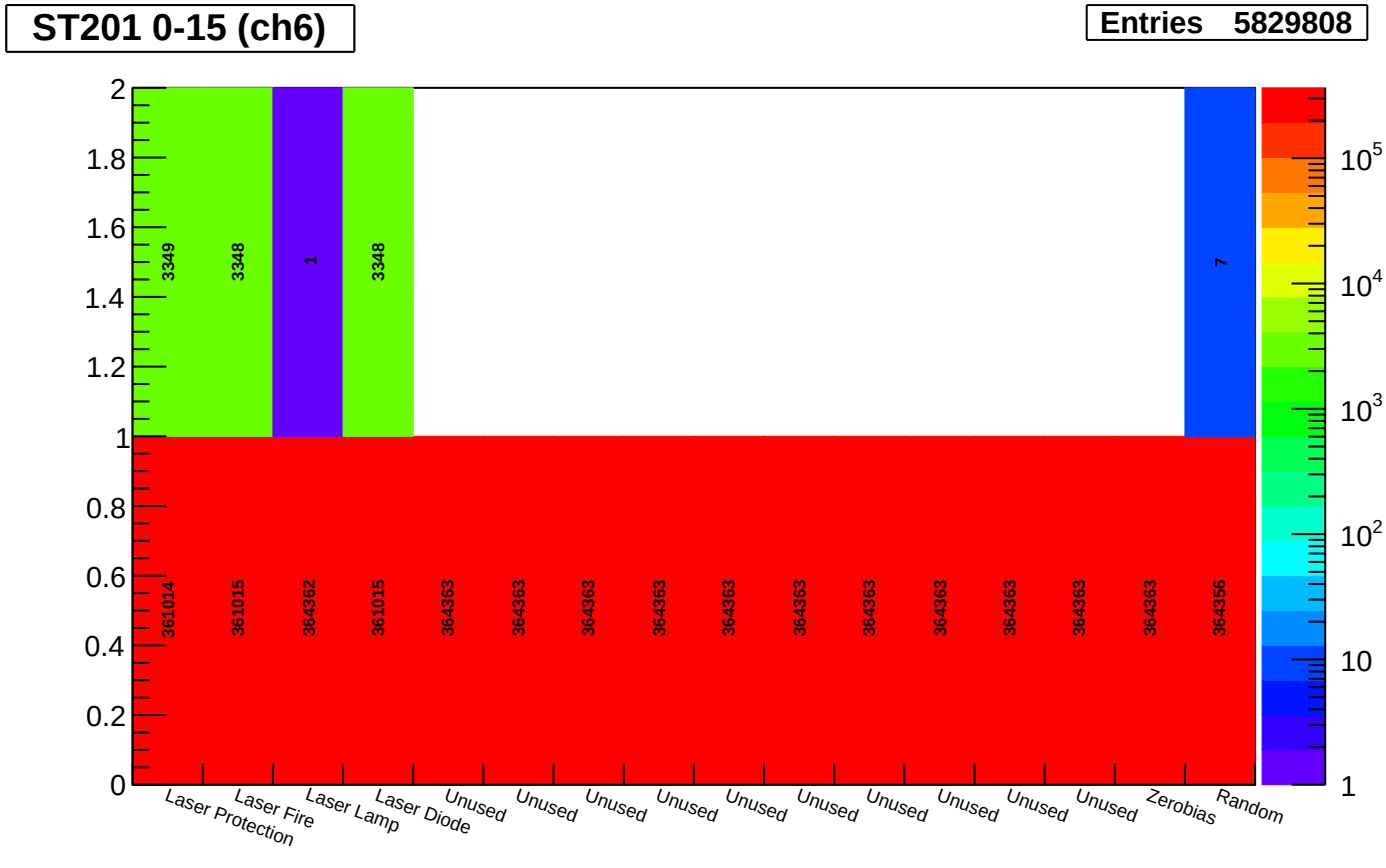

Entries 364363
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

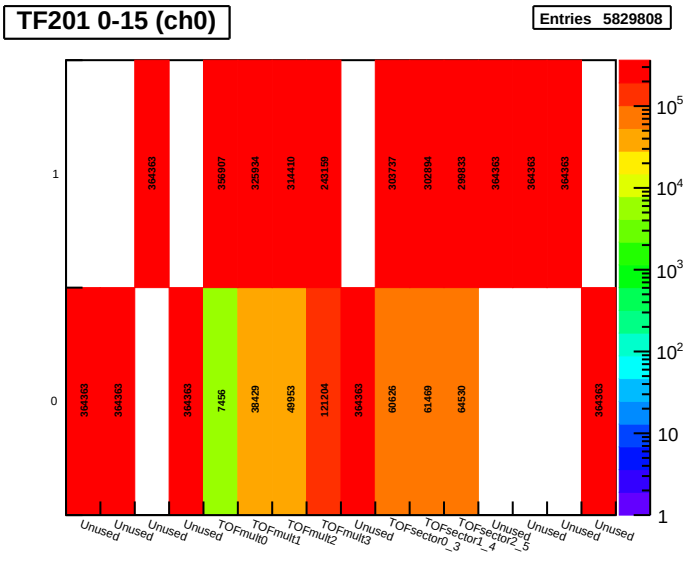

Entries 364363
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

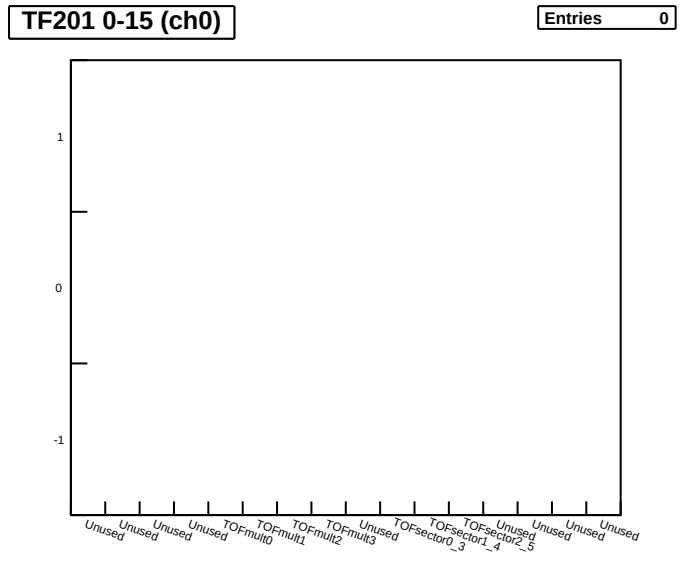

Entries 364363
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

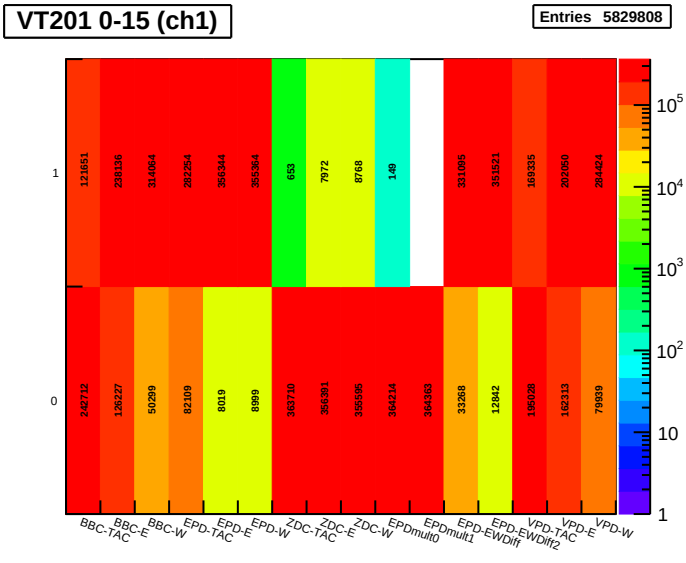

Entries 364363
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

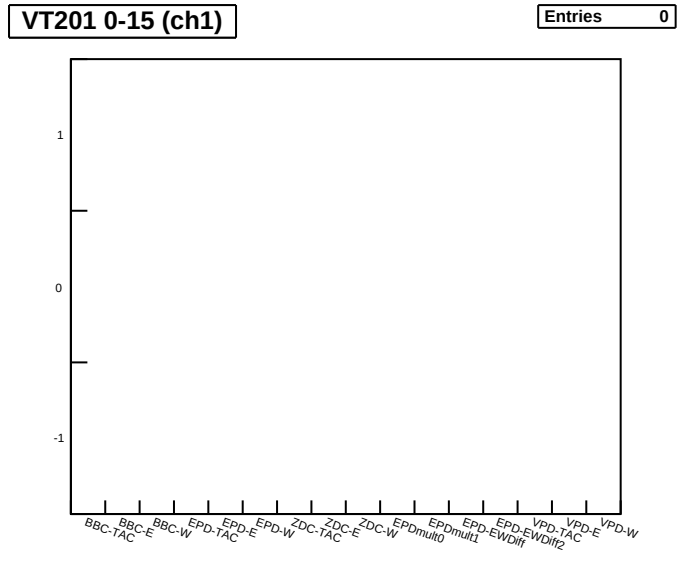

Laser Input Bits
Entries 364363
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

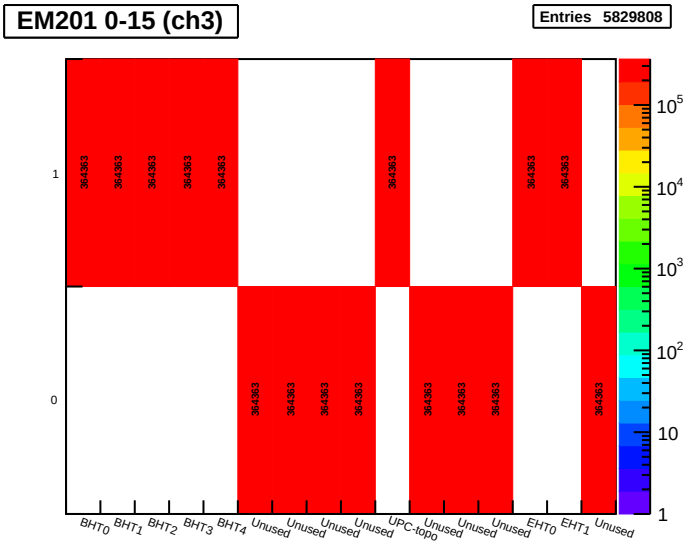

ST201 0-15 (ch6)
Entries 5829808
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3349
3348
1
3348
7
361014
361015
364362
361015
364363
364363
364363
364363
364363
364363
364363
364363
364363
364363
364363
364356
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

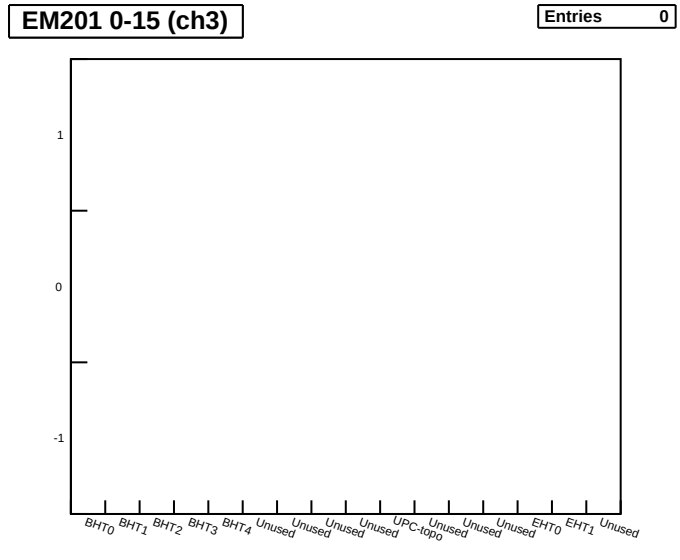

TF201 0-15 (ch0)
Entries 5829808
364363 356907 325934 314410 243159 303737 302894 299833 364363 364363 364363
364363 364363 364363 7456 38429 49953 121204 364363 60626 61469 64530 364363
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 5829808
121651 238136 314064 282254 356344 355364 653 7972 8768 149 331095 351521 169335 202050 284424
242712 126227 50299 82109 8019 8999 363710 356391 355595 364214 364363 33268 12842 156028 162313 79939
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 5829808
364363 364363 364363 364363 364363 364363 364363 364363
364363 364363 364363 364363 364363 364363 364363 364363
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