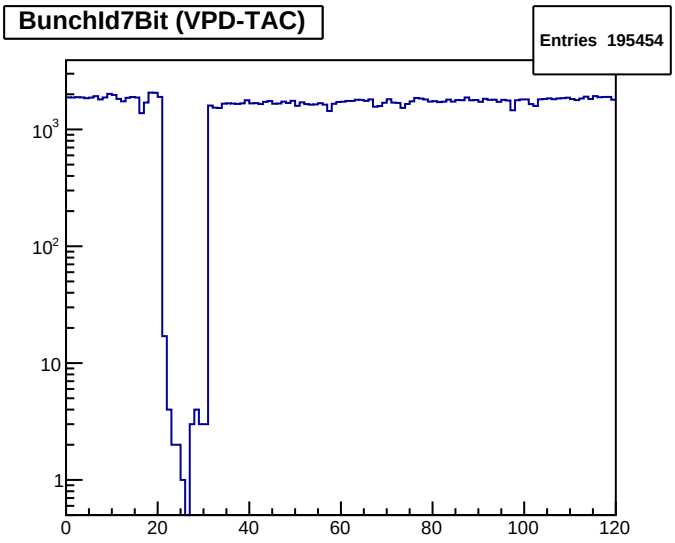
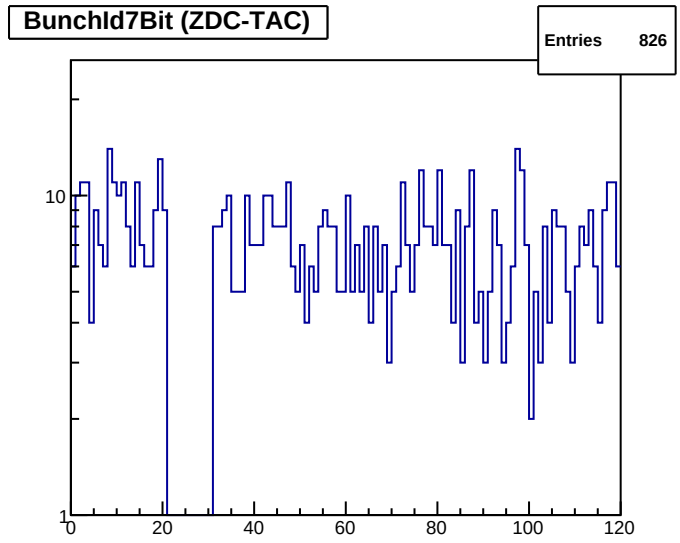
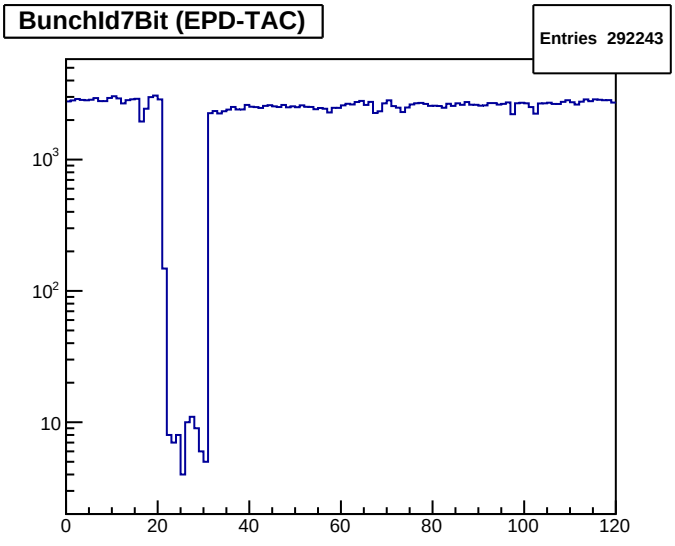
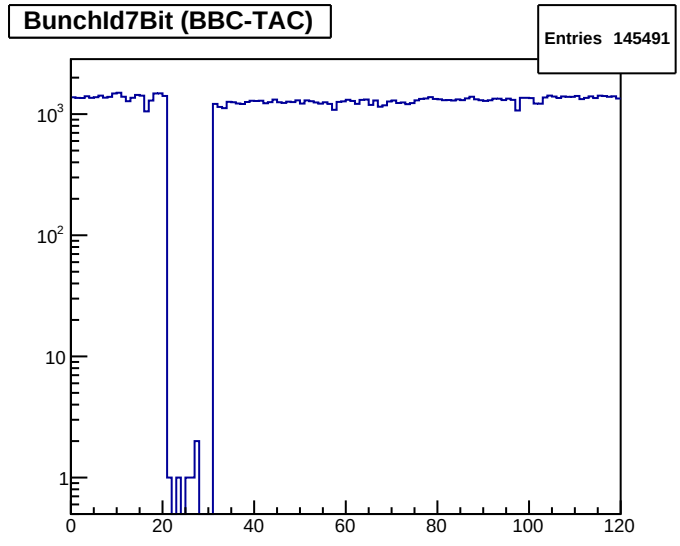
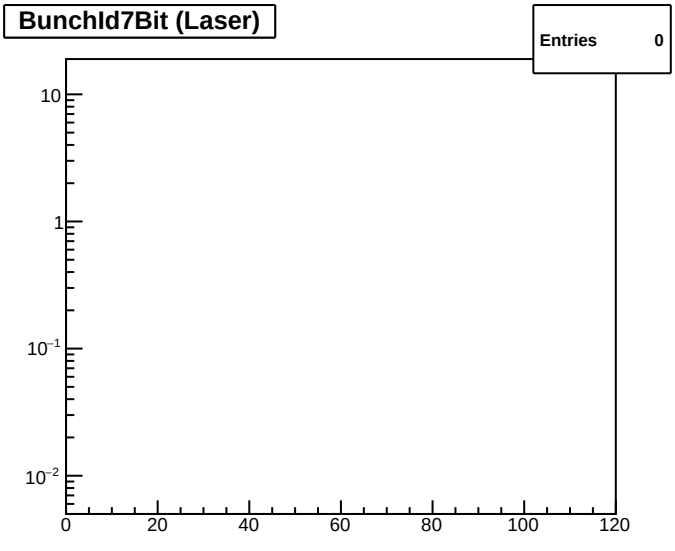
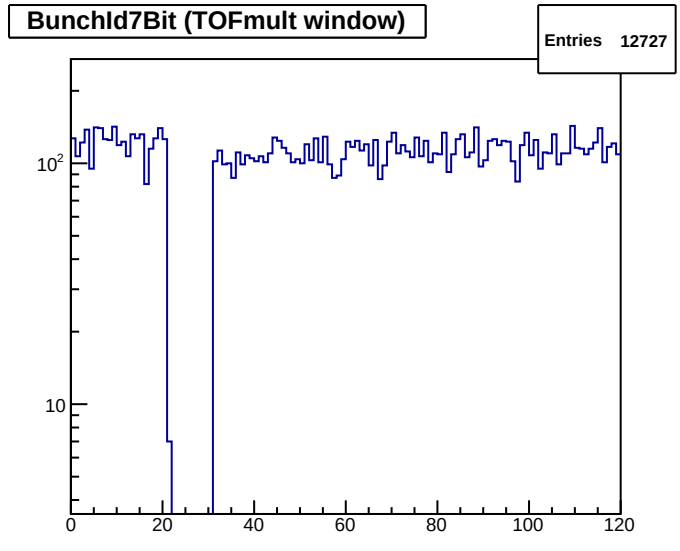

BunchId7Bit (VPD-TAC)
Entries 195454

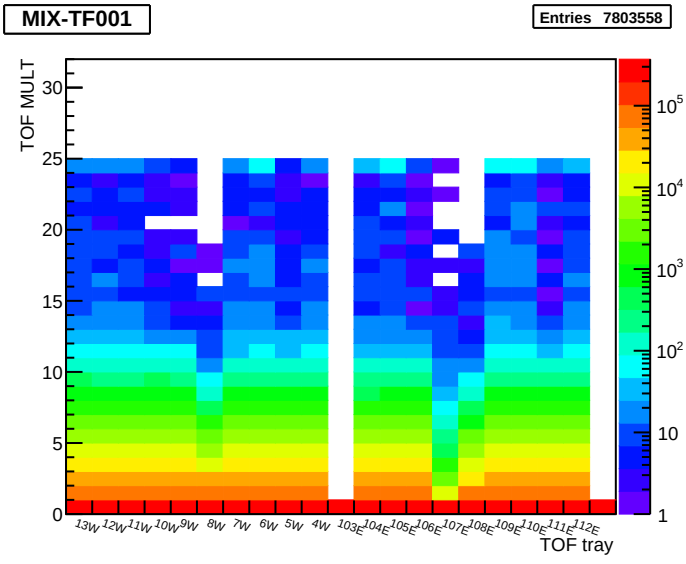

BunchId7Bit (ZDC-TAC)
Entries 826

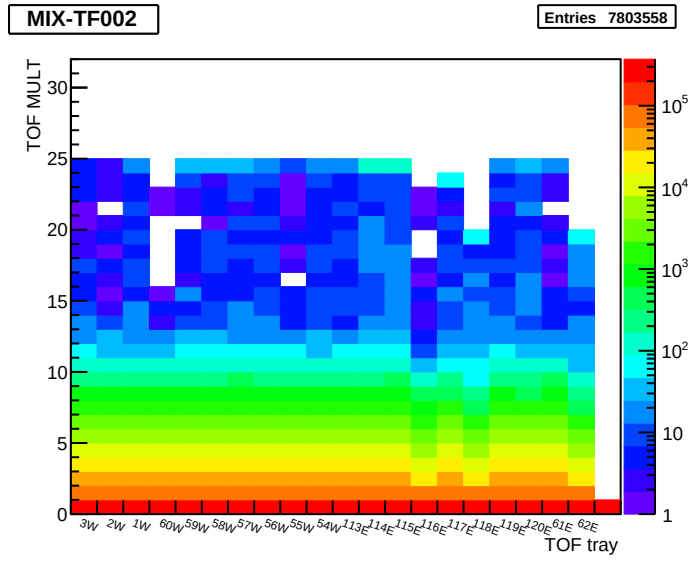

BunchId7Bit (EPD-TAC)
Entries 292243

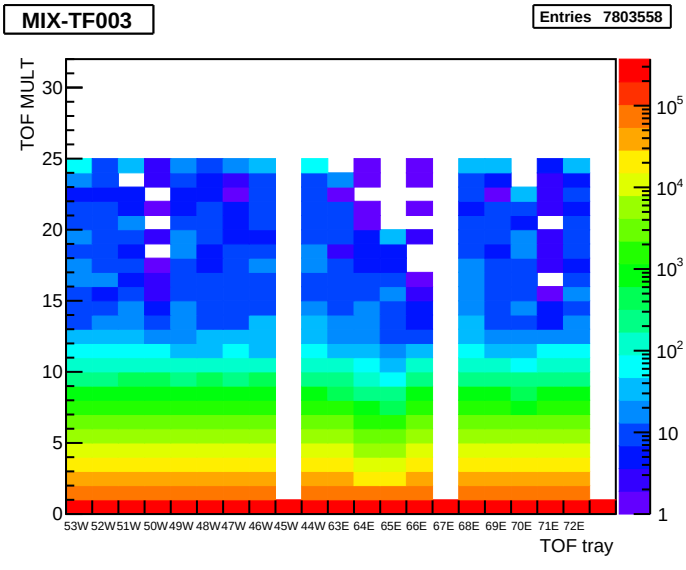

BunchId7Bit (BBC-TAC)
Entries 145491

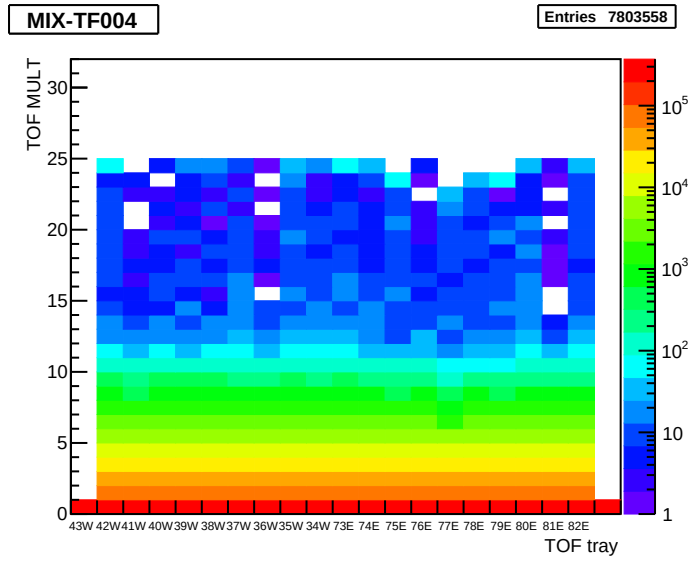

BunchId7Bit (Laser)
Entries 0

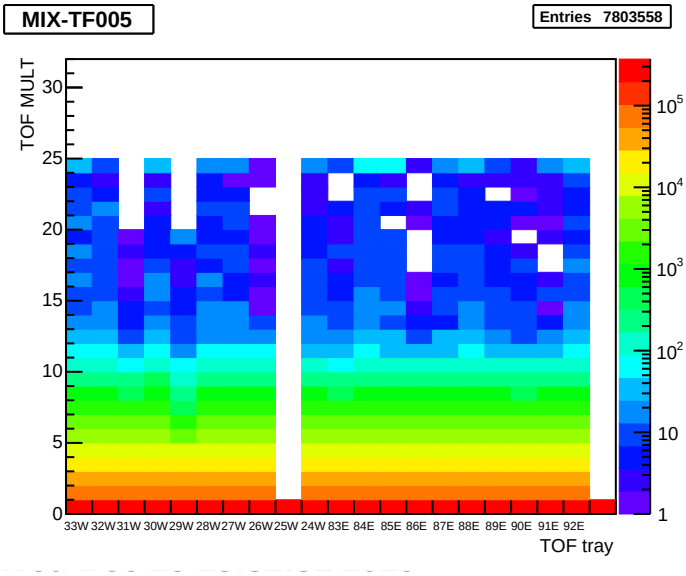

BunchId7Bit (TOFmult window)
Entries 12727

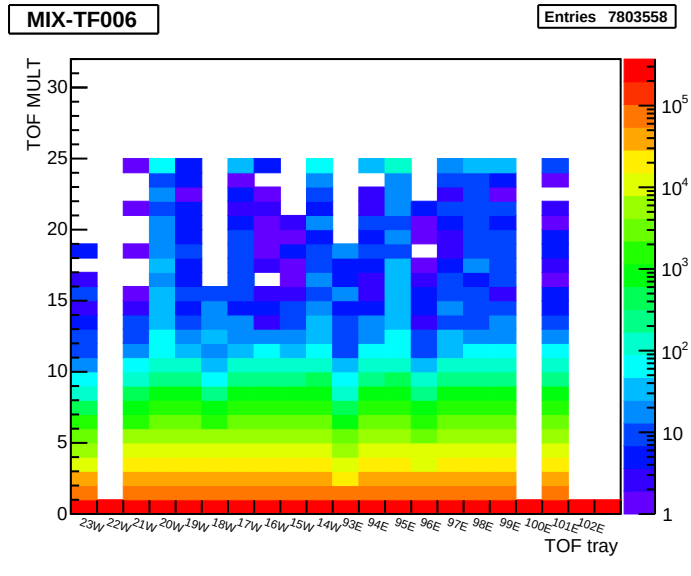

MIX-TF001
Entries 7803558
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

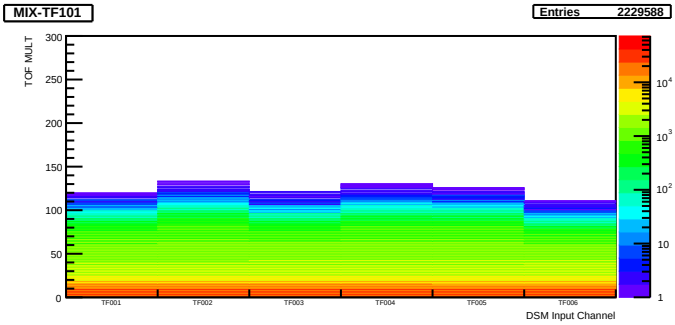

MIX-TF002
Entries 7803558
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

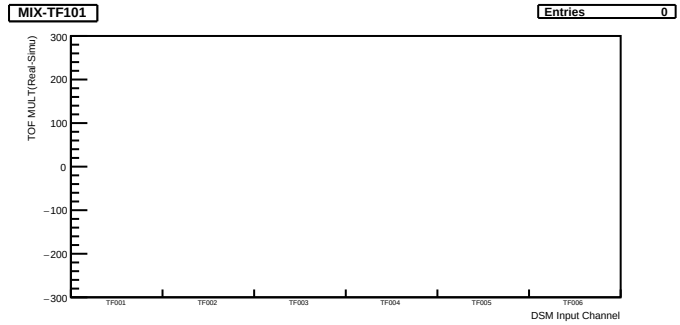

MIX-TF003
Entries 7803558
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

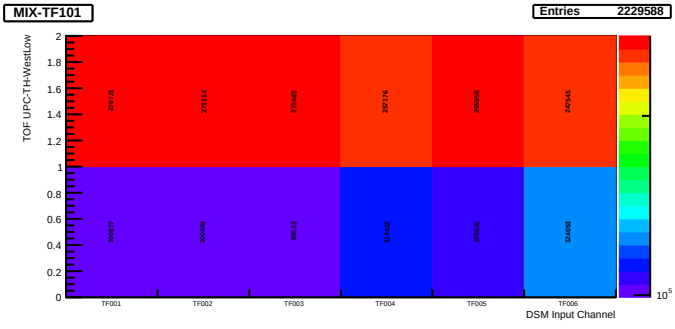

MIX-TF004
Entries 7803558
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

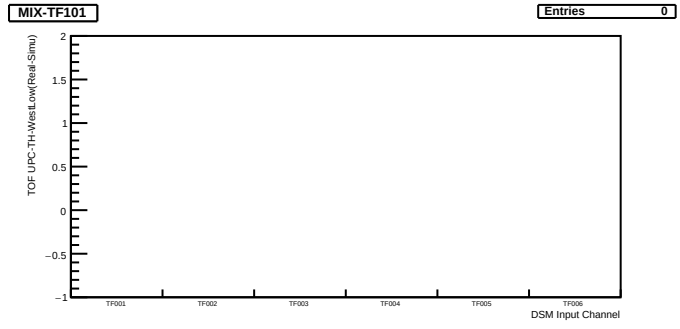

MIX-TF005
Entries 7803558
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

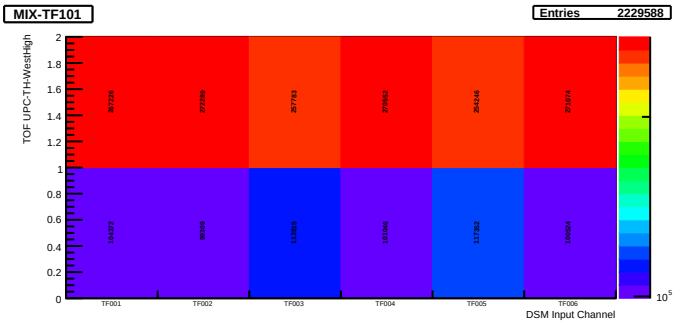

MIX-TF006
Entries 7803558
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

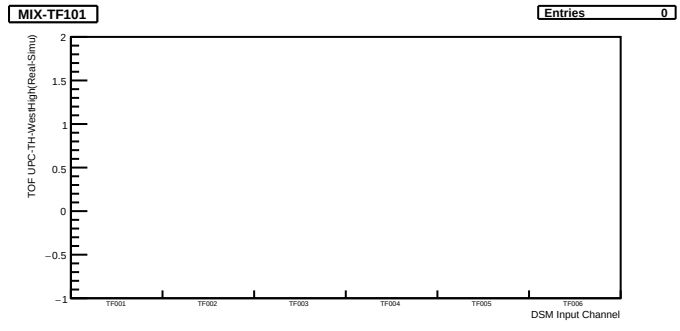

MIX-TF101
Entries 2229588
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

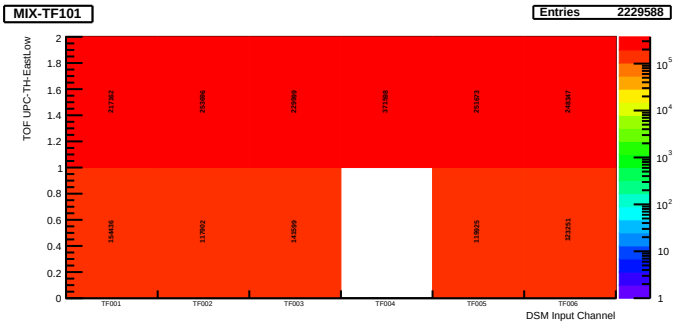

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

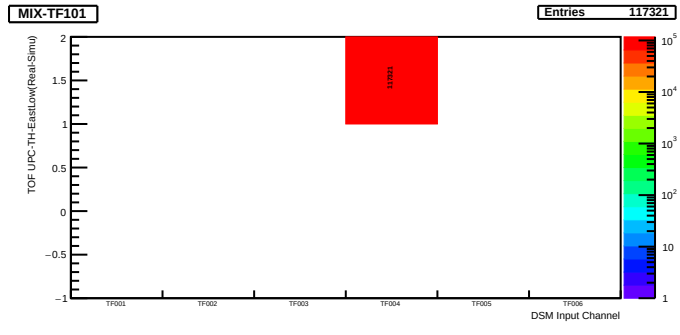

MIX-TF101
Entries 2229588
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

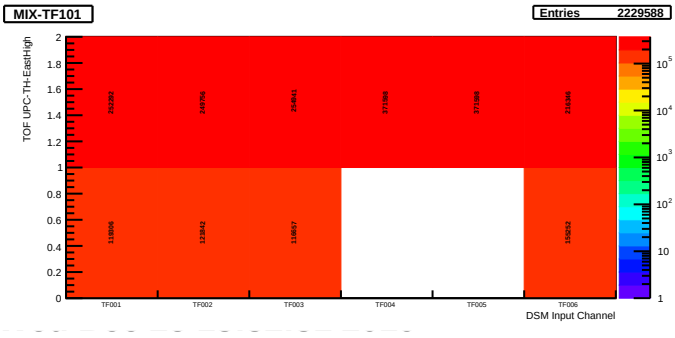

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

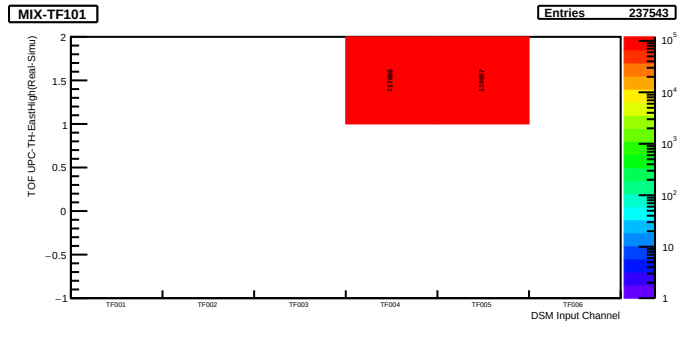

MIX-TF101
Entries 2229588
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

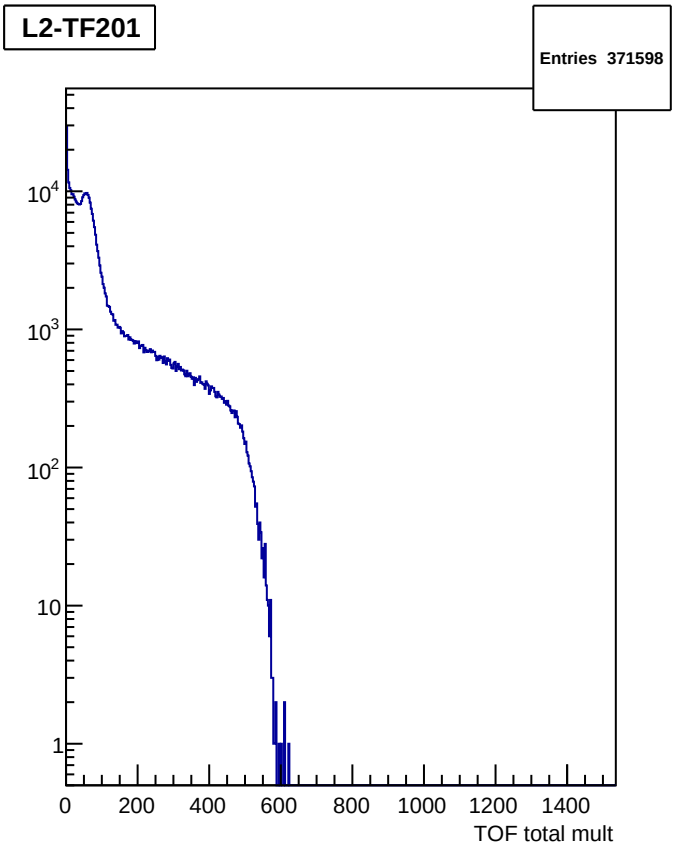

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

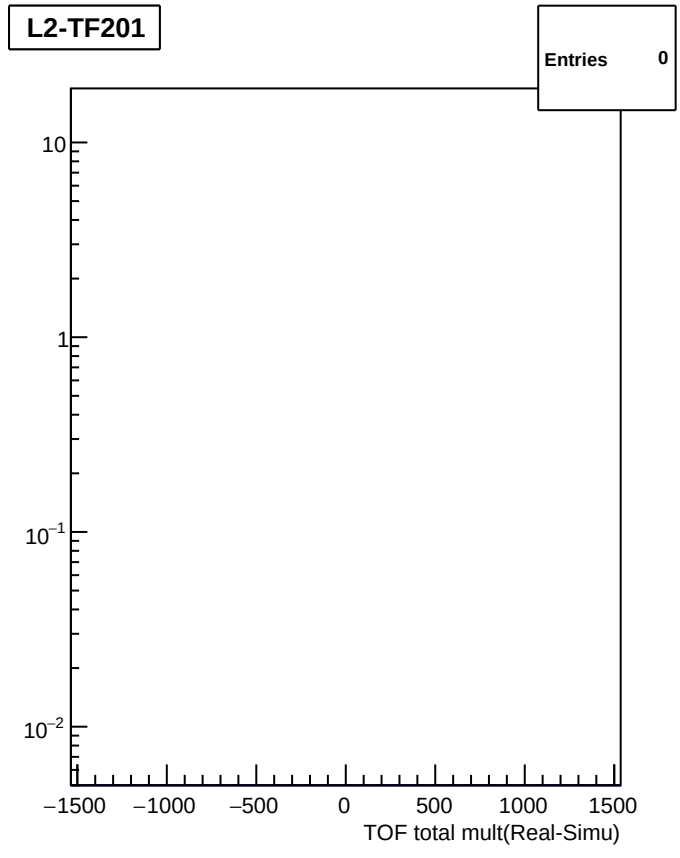

MIX-TF101
Entries 2229588
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

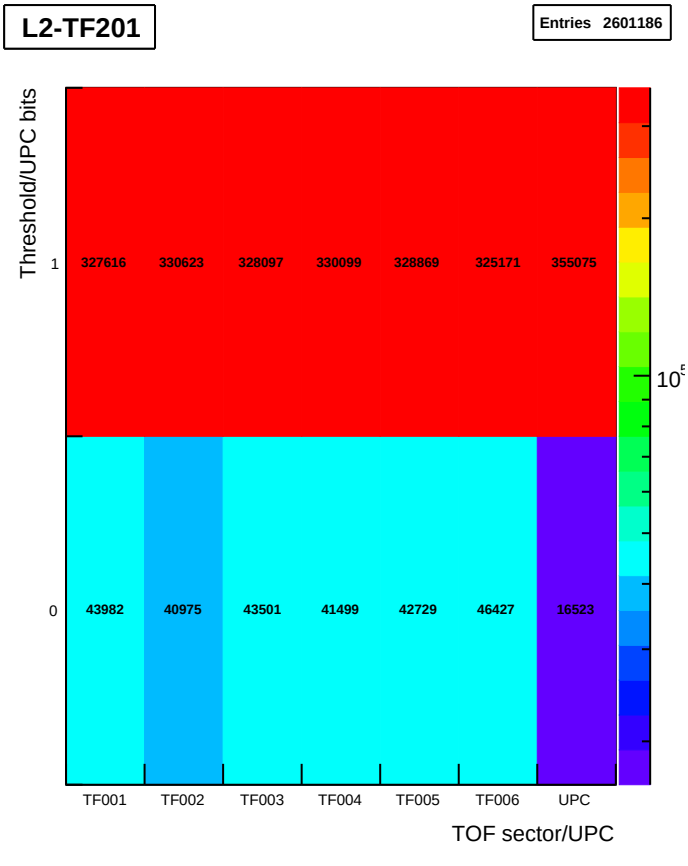

MIX-TF101
Entries 117321
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

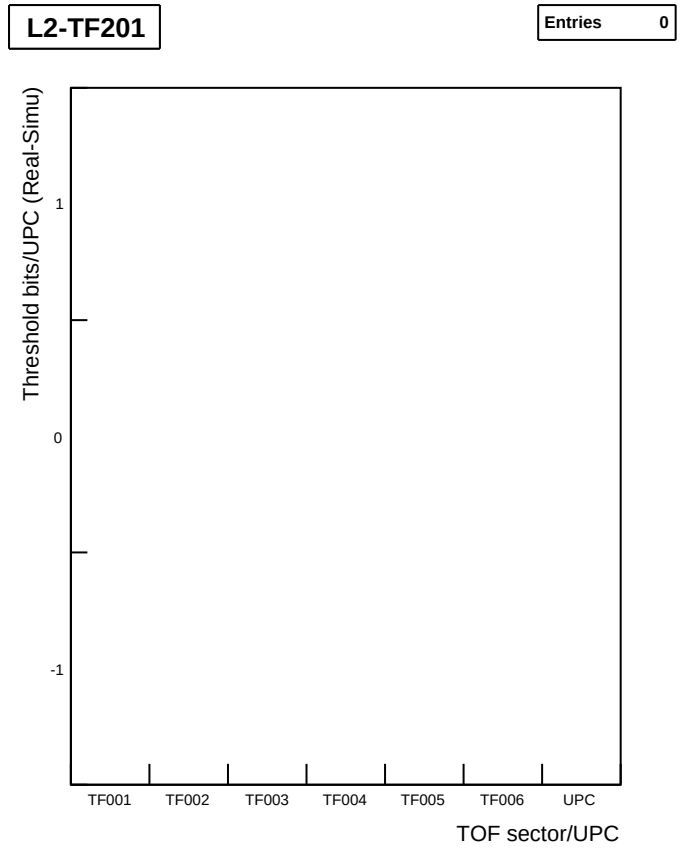

MIX-TF101
Entries 2229588
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

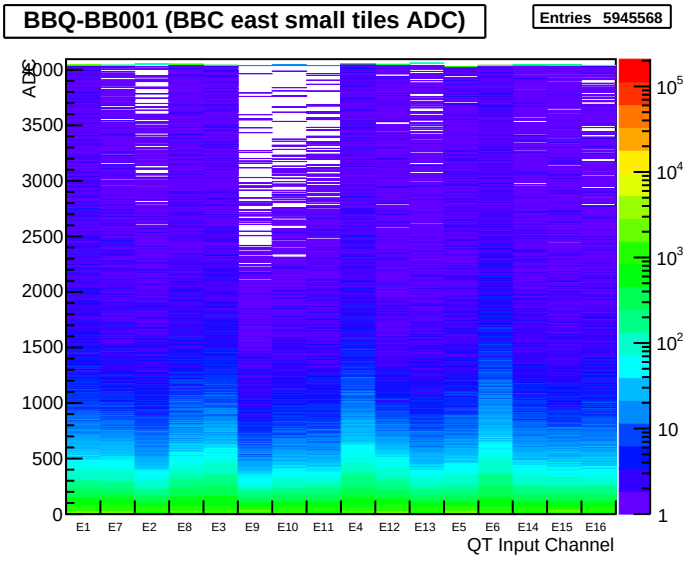

MIX-TF101
Entries 237543
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

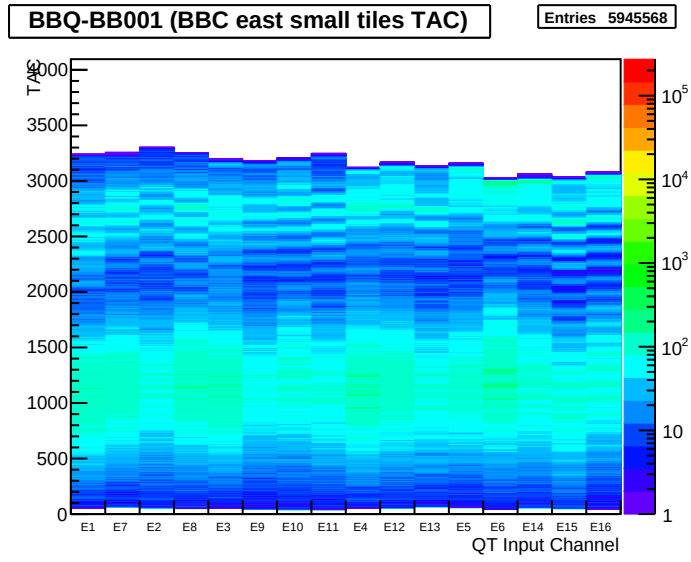

L2-TF201
Entries 371598
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

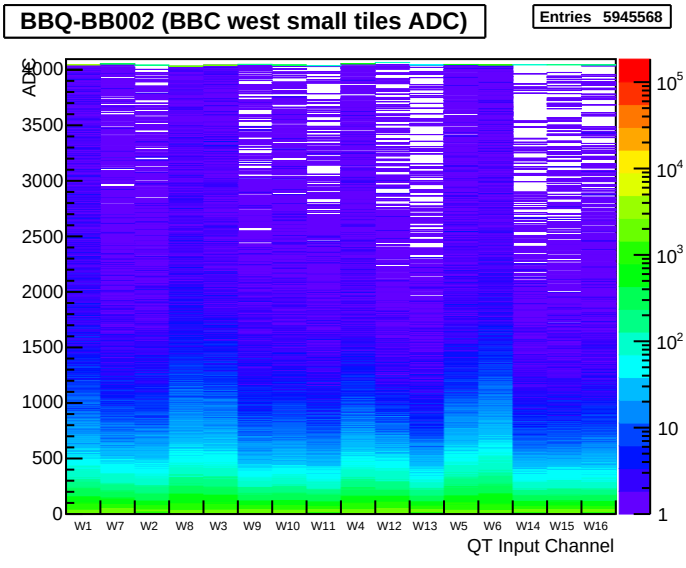

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

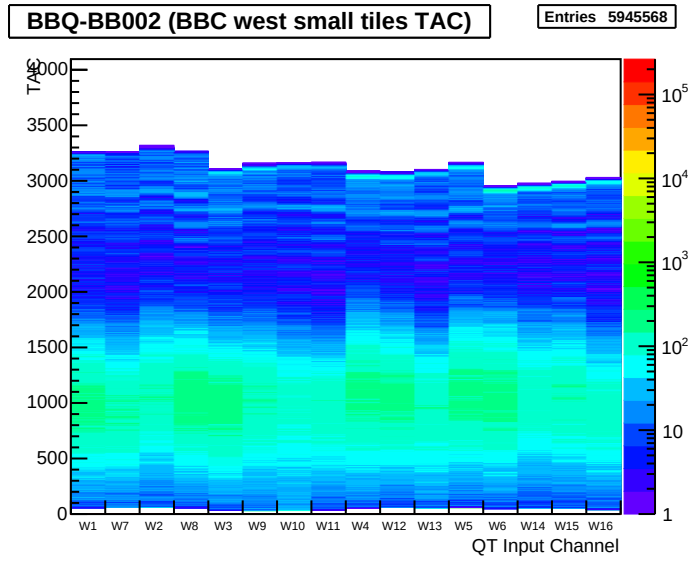

L2-TF201
Entries 2601186
Threshold/UPC bits
1
0
327616
330623
328097
330099
328869
325171
355075
43982
40975
43501
41499
42729
46427
16523
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

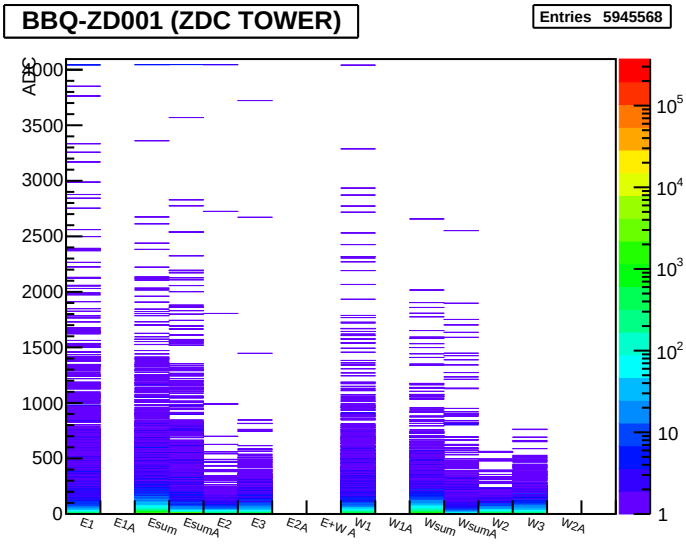

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

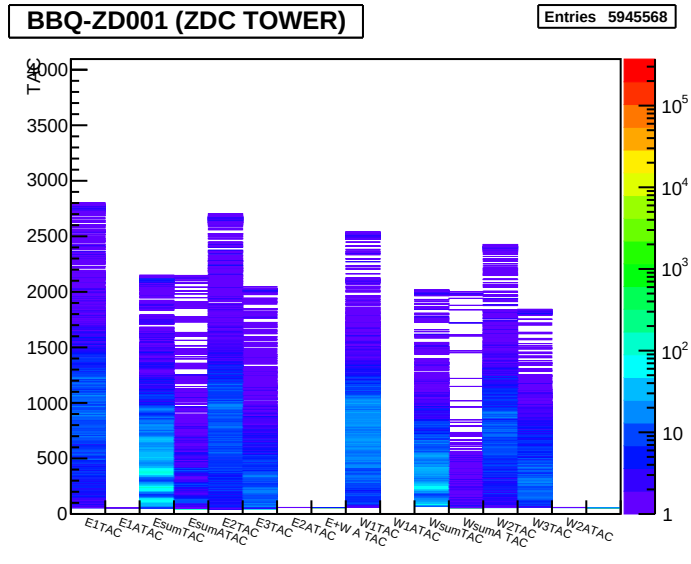

BBQ-BB001 (BBC east small tiles ADC)
Entries 5945568
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

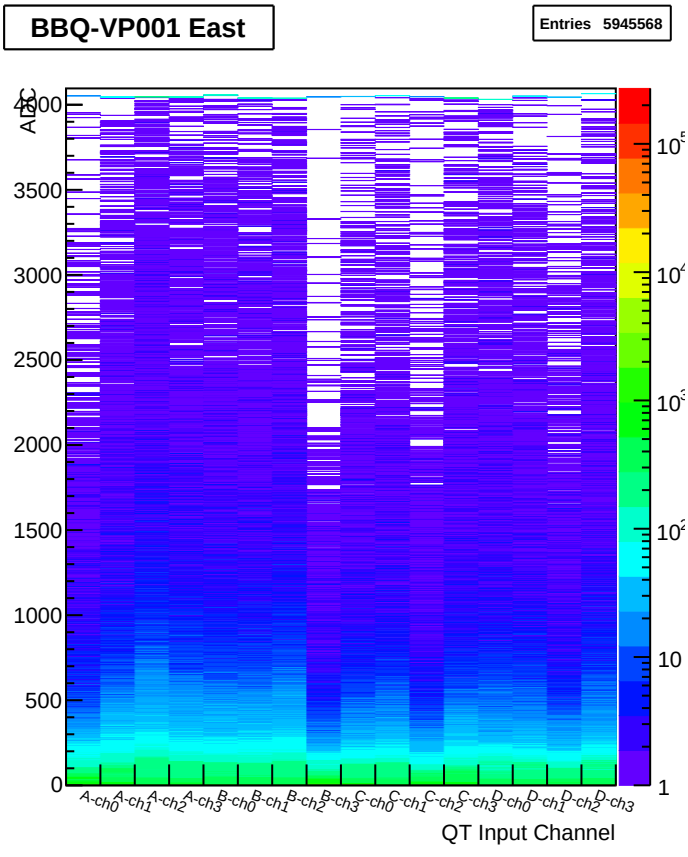

BBQ-BB001 (BBC east small tiles TAC)
Entries 5945568
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

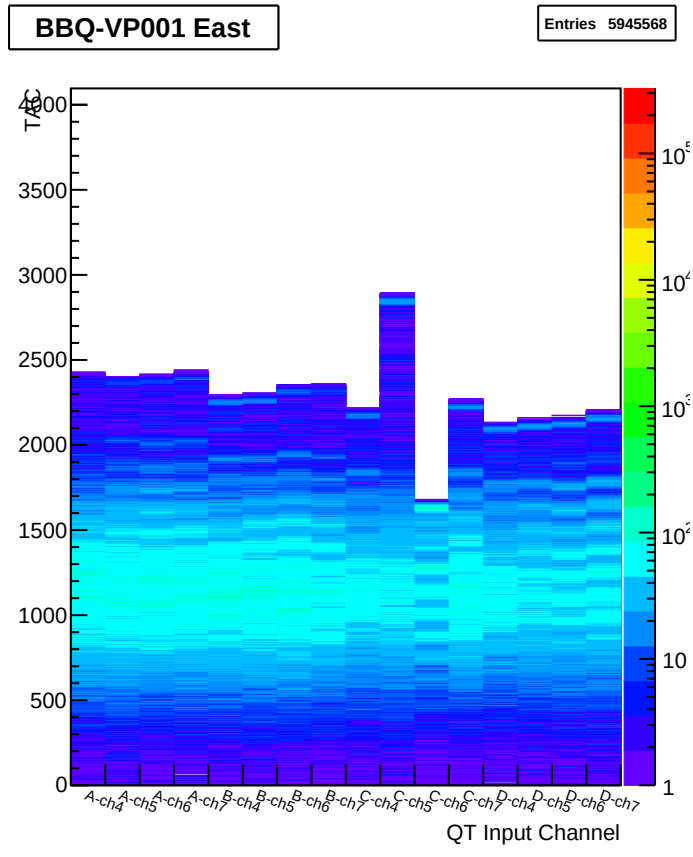

BBQ-BB002 (BBC west small tiles ADC)
Entries 5945568
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

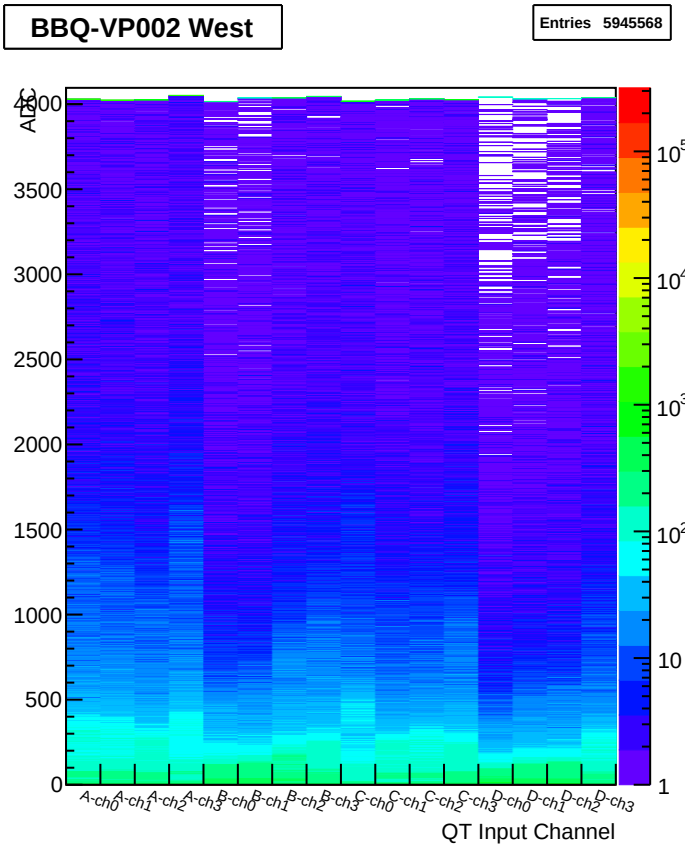

BBQ-BB002 (BBC west small tiles TAC)
Entries 5945568
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

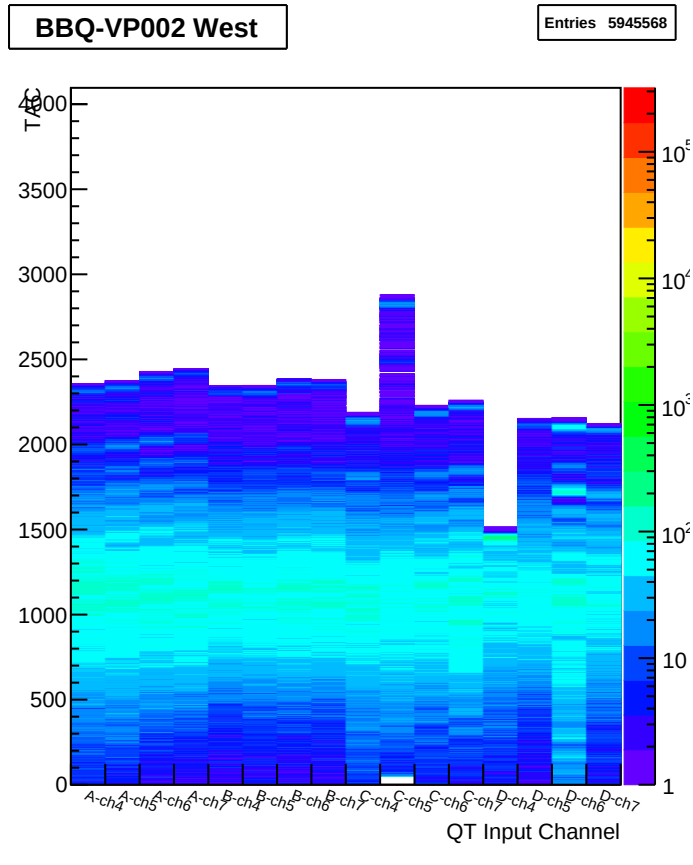

BBQ-ZD001 (ZDC TOWER)
Entries 5945568
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

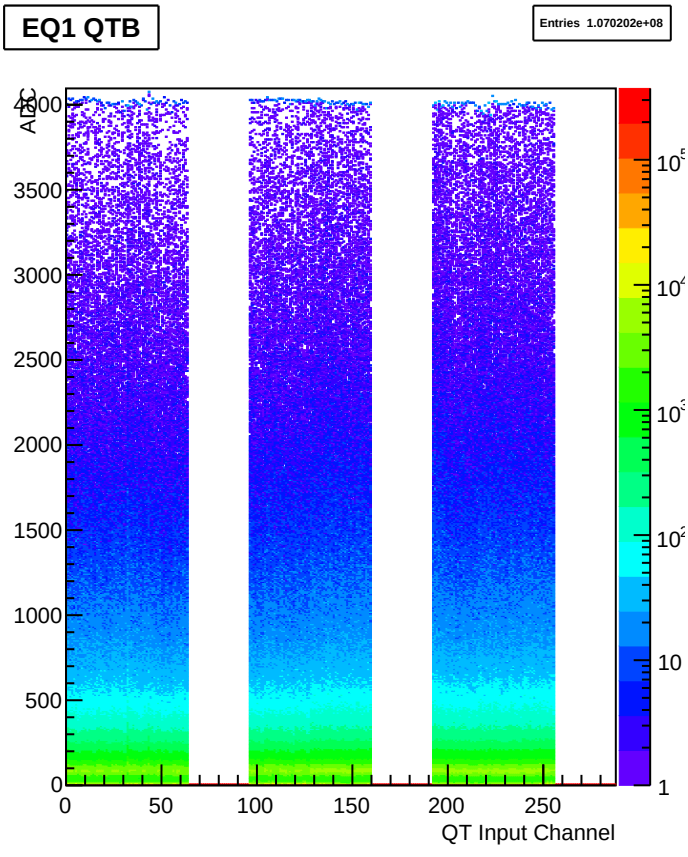

BBQ-ZD001 (ZDC TOWER)
Entries 5945568
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

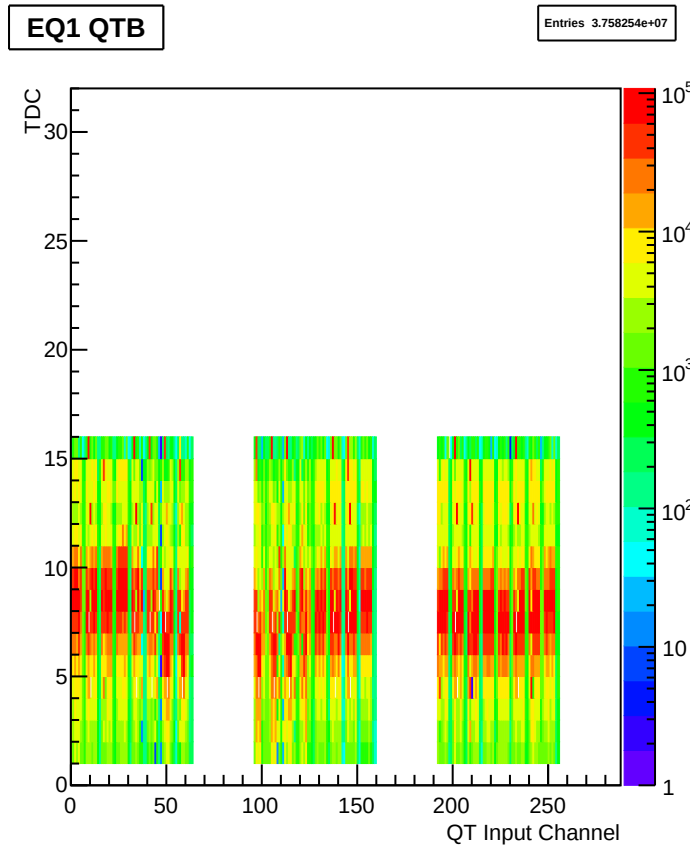

BBQ-VP001 East
Entries 5945568
ADC
QT Input Channel

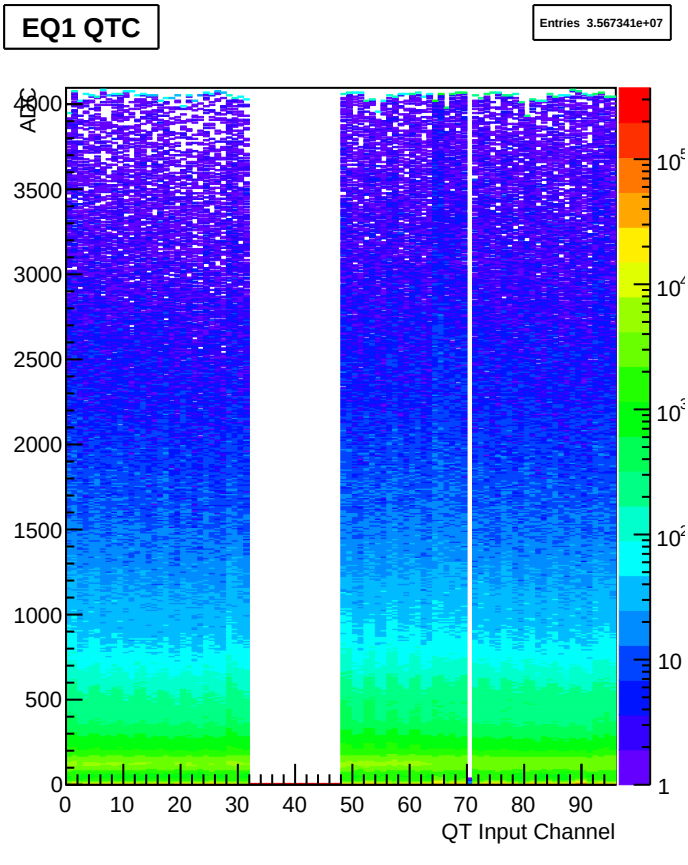

BBQ-VP001 East
Entries 5945568
TADC
QT Input Channel

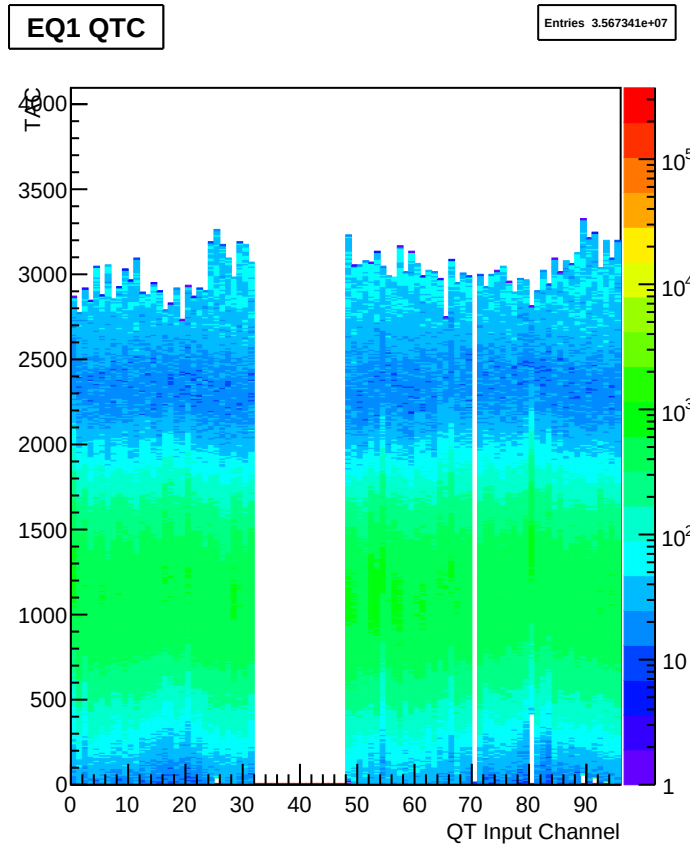

BBQ-VP002 West
Entries 5945568
ADC
QT Input Channel

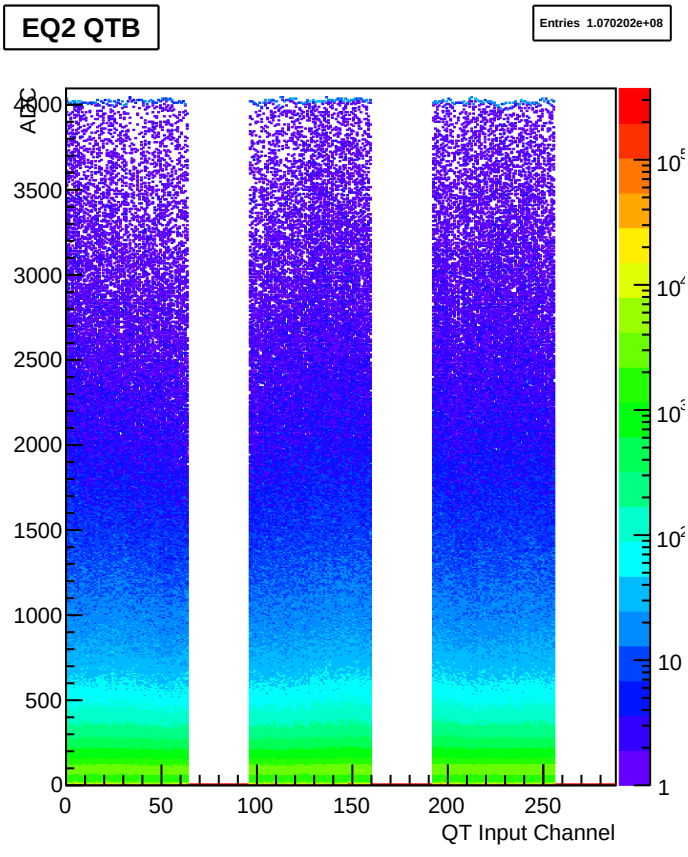

BBQ-VP002 West
Entries 5945568
TADC
QT Input Channel

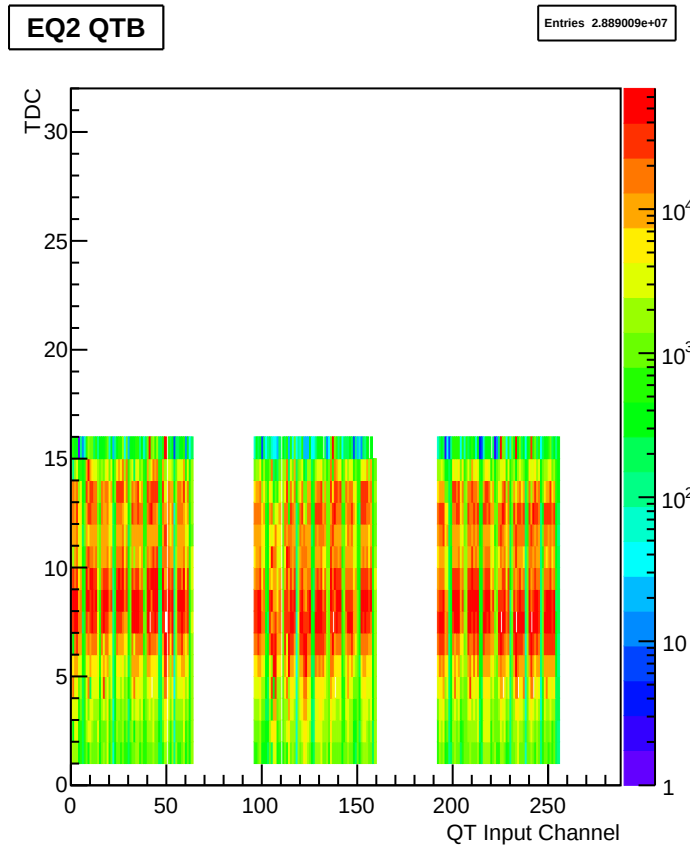

EQ1 QTB
Entries 1.070202e+08
ADC
QT Input Channel

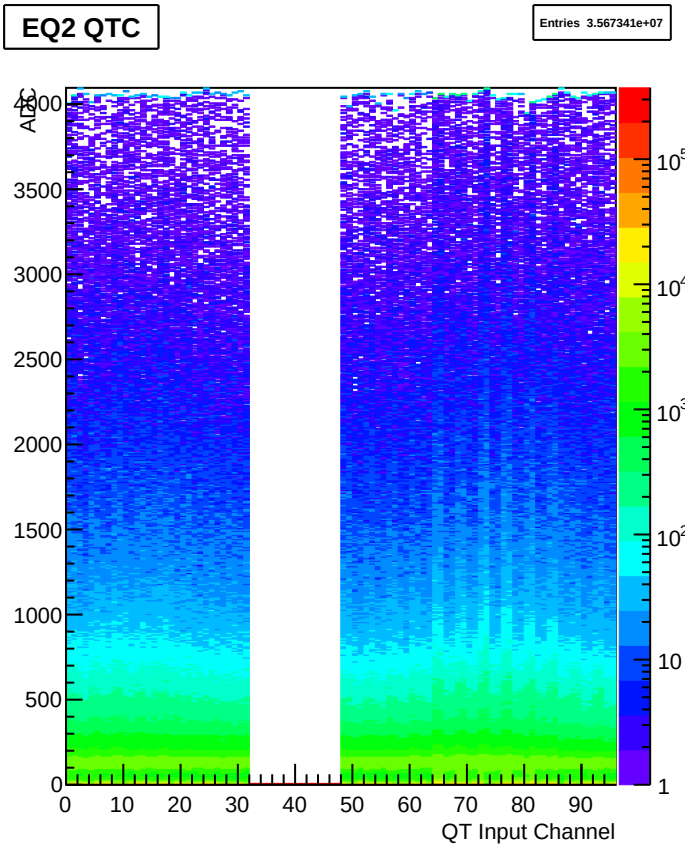

EQ1 QTB
Entries 3.758254e+07
TDC
QT Input Channel

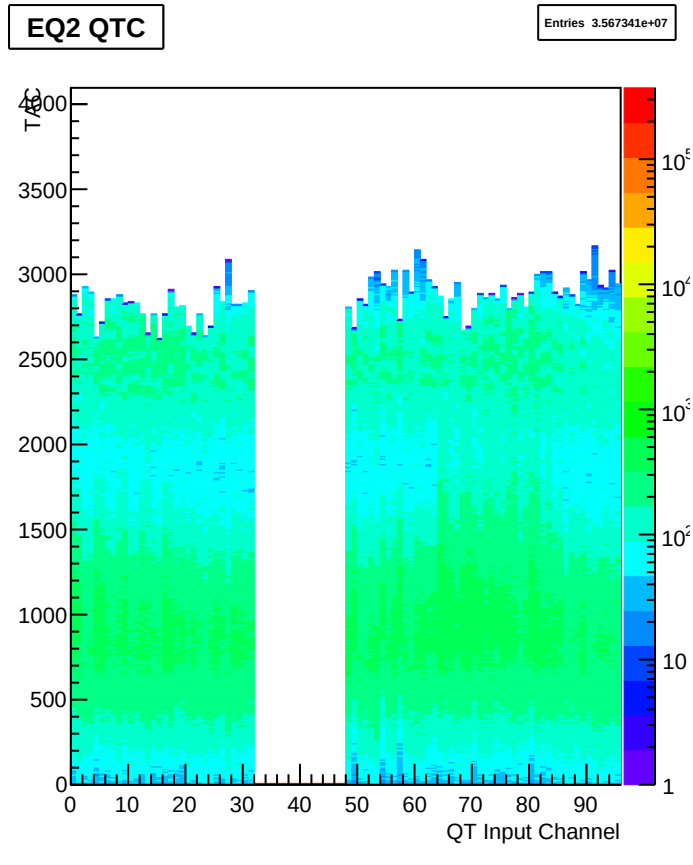

EQ1 QTC
Entries 3.567341e+07
ADC
QT Input Channel

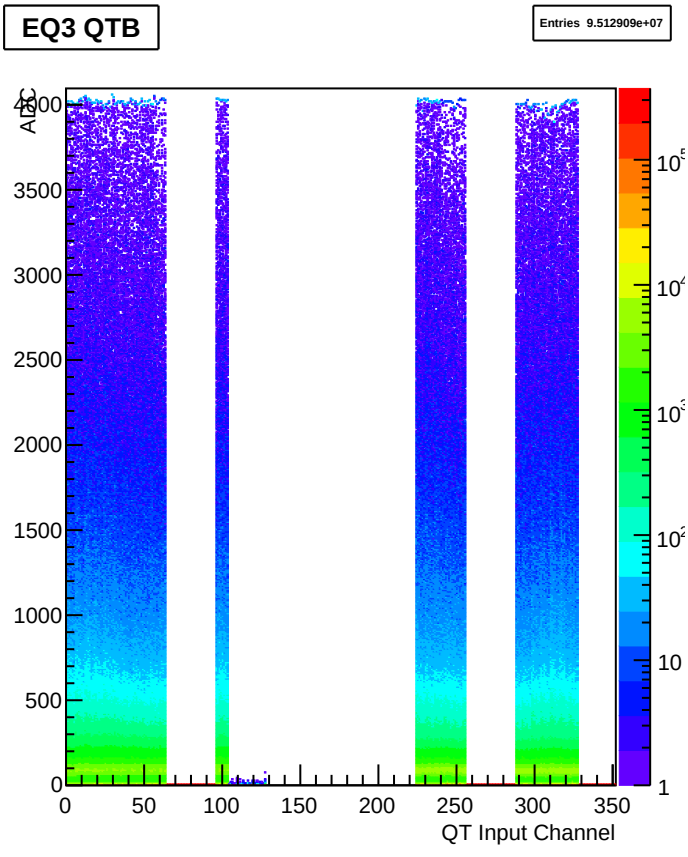

EQ1 QTC
Entries 3.567341e+07
TADC
QT Input Channel

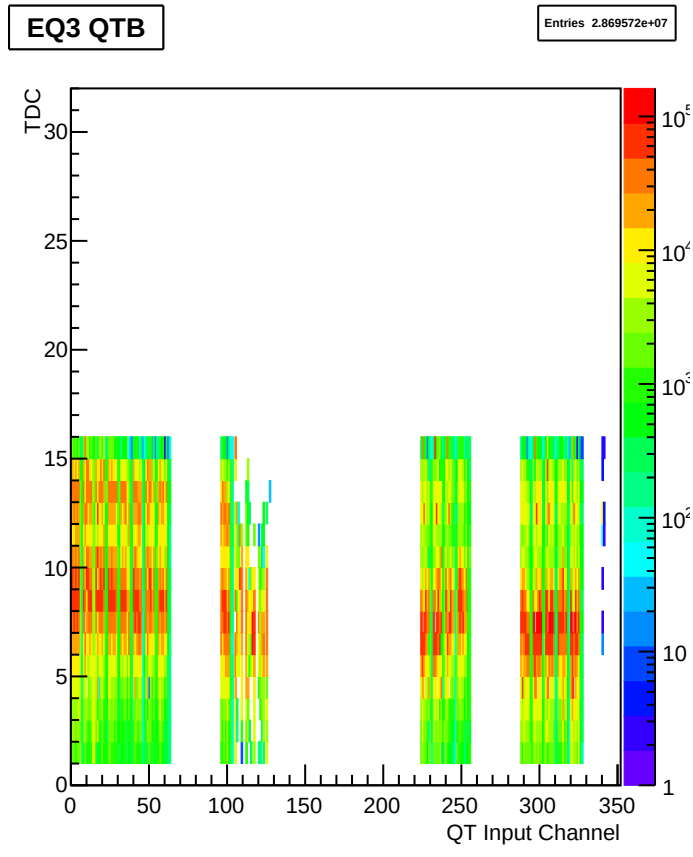

EQ2 QTB
Entries 1.070202e+08
ADC
QT Input Channel

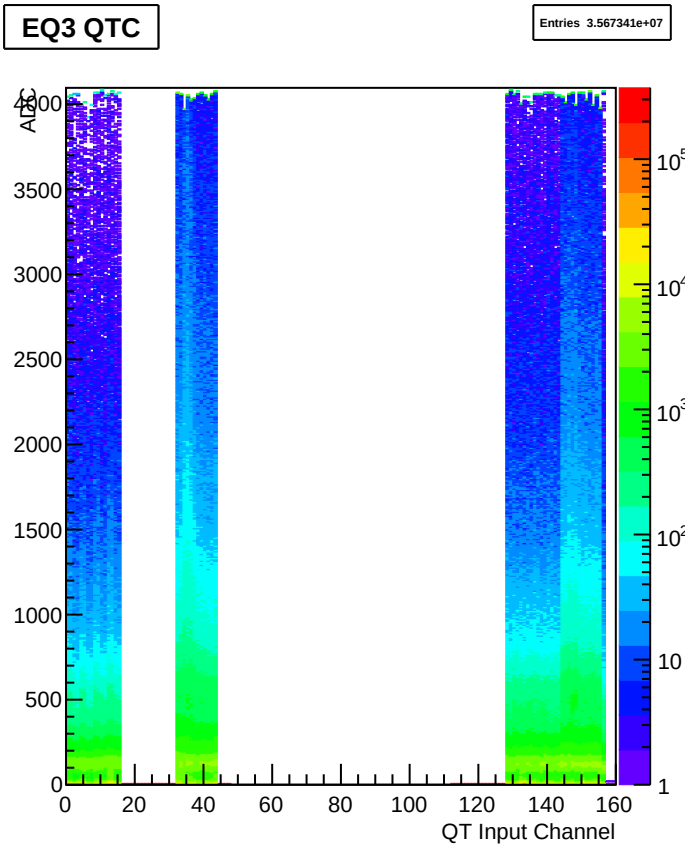

EQ2 QTB
Entries 2.889009e+07
TDC
QT Input Channel

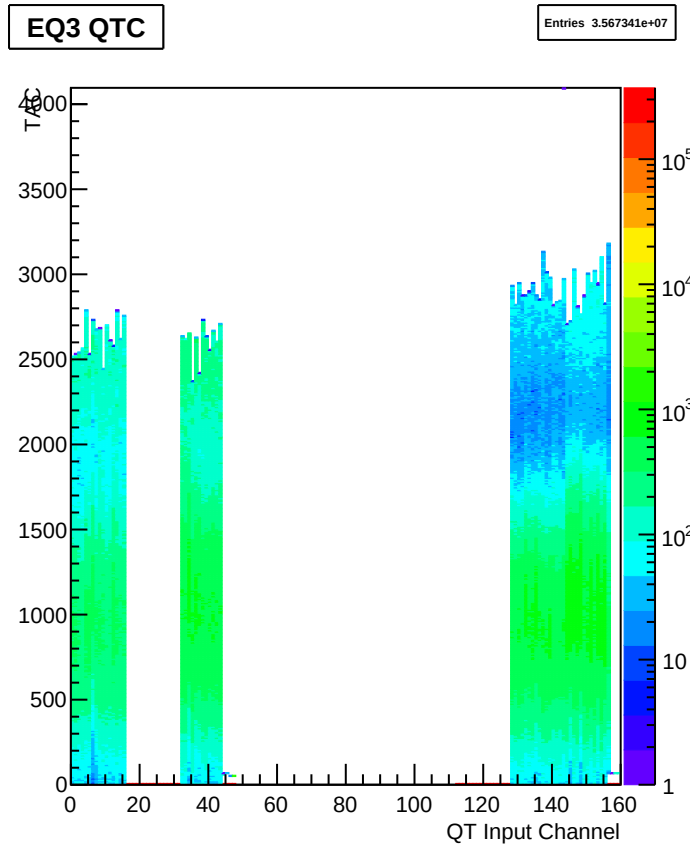

EQ2 QTC
Entries 3.567341e+07
ADC
QT Input Channel

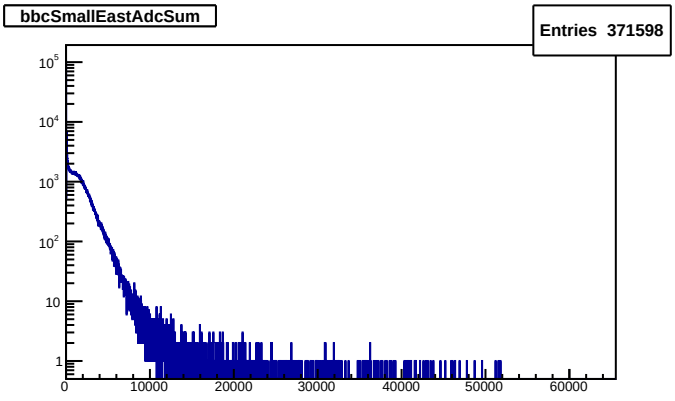

EQ2 QTC
Entries 3.567341e+07
TADC
QT Input Channel

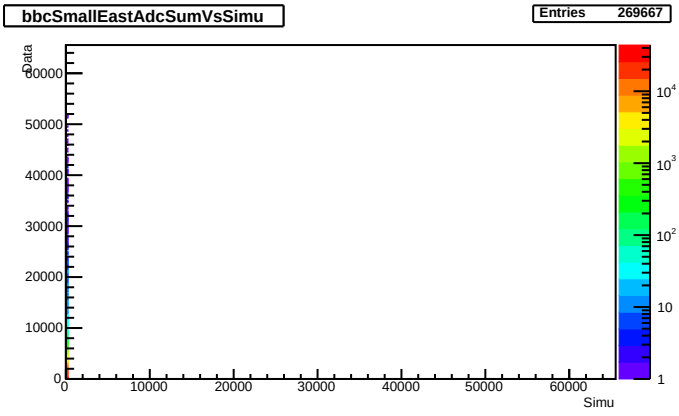

EQ3 QTB
Entries 9.512909e+07
ADC
QT Input Channel

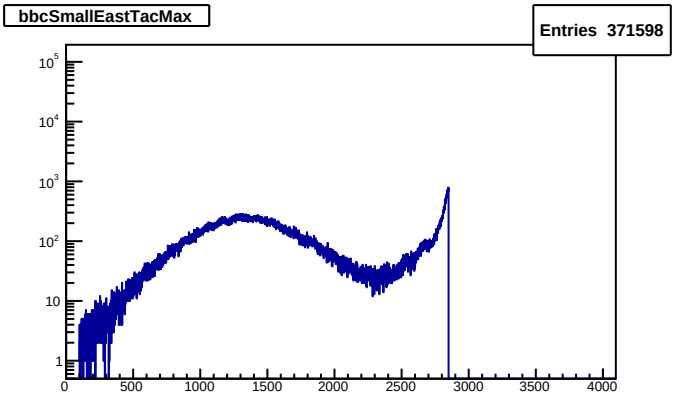

EQ3 QTB
Entries 2.869572e+07
TDC
QT Input Channel

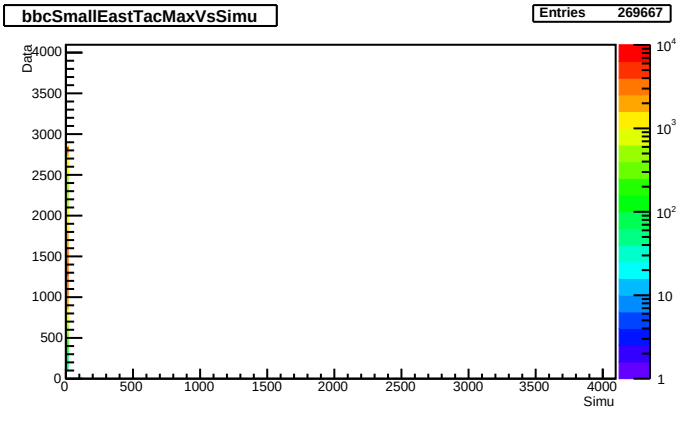

EQ3 QTC
Entries 3.567341e+07
ADC
QT Input Channel

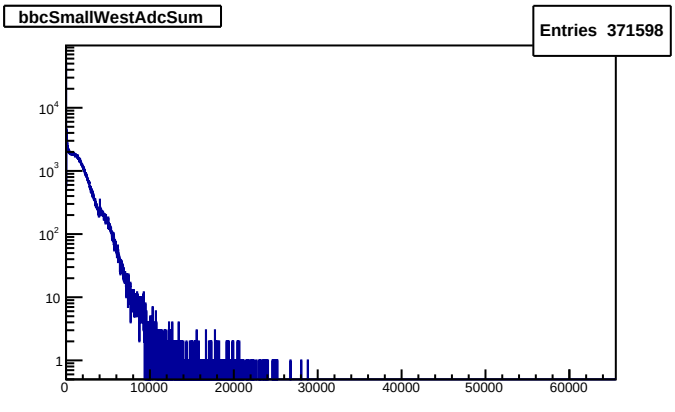

EQ3 QTC
Entries 3.567341e+07
TADC
QT Input Channel

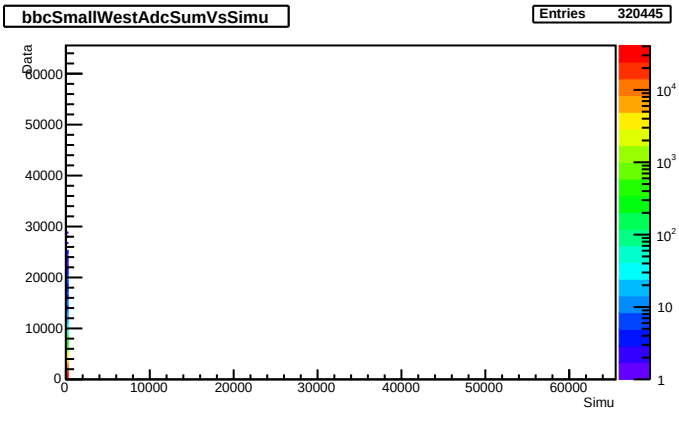

bbcSmallEastAdcSum
Entries 371598

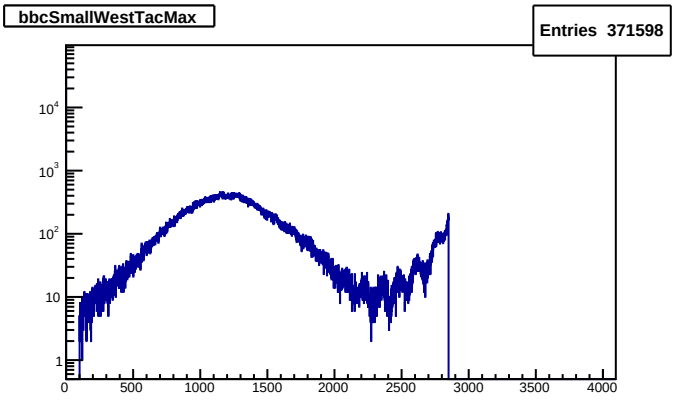

bbcSmallEastAdcSumVsSimu
Entries 269667
Data
Simu

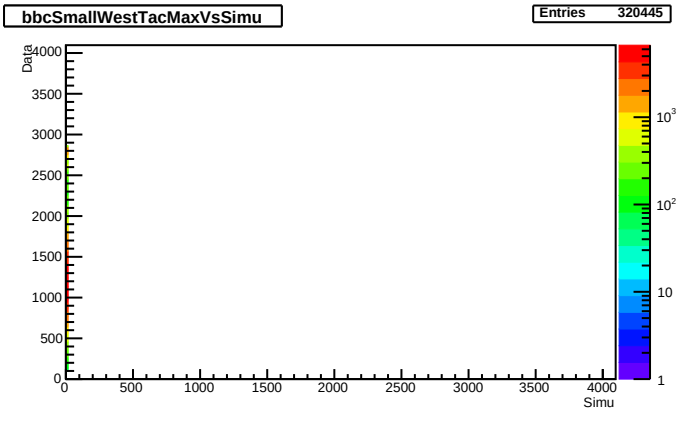

bbcSmallEastTacMax
Entries 371598

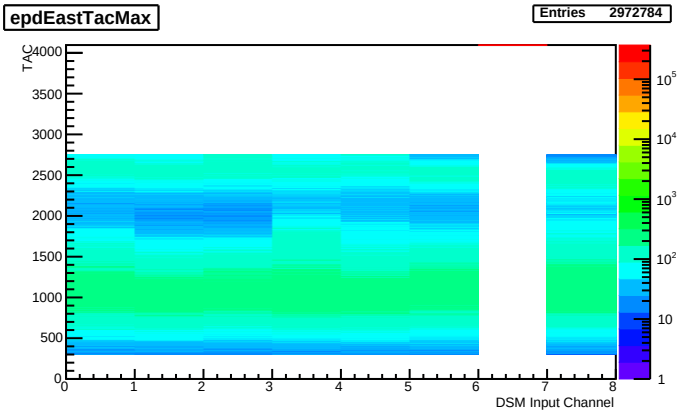

bbcSmallEastTacMaxVsSimu
Entries 269667
Data
Simu

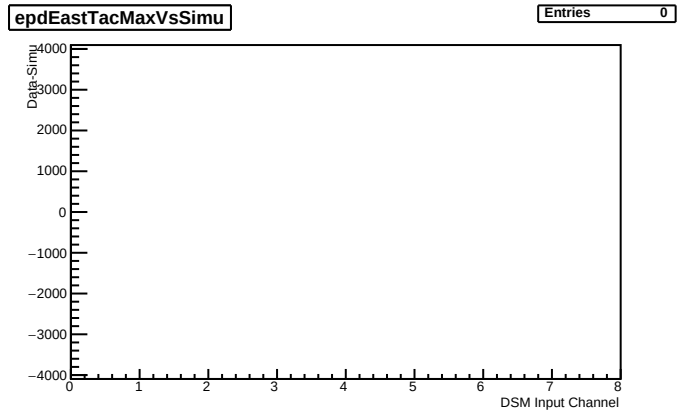

bbcSmallWestAdcSum
Entries 371598

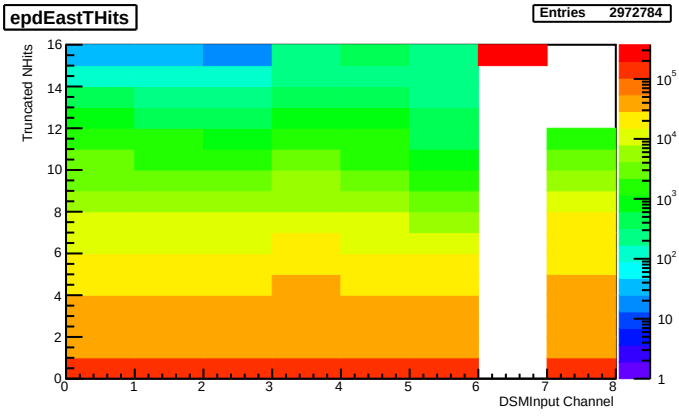

bbcSmallWestAdcSumVsSimu
Entries 320445
Data
Simu

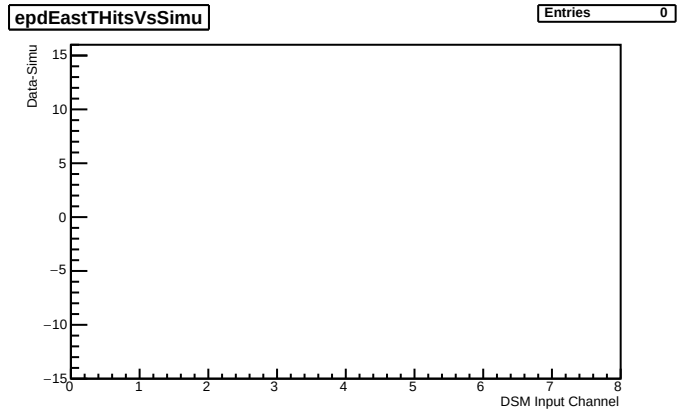

bbcSmallWestTacMax
Entries 371598

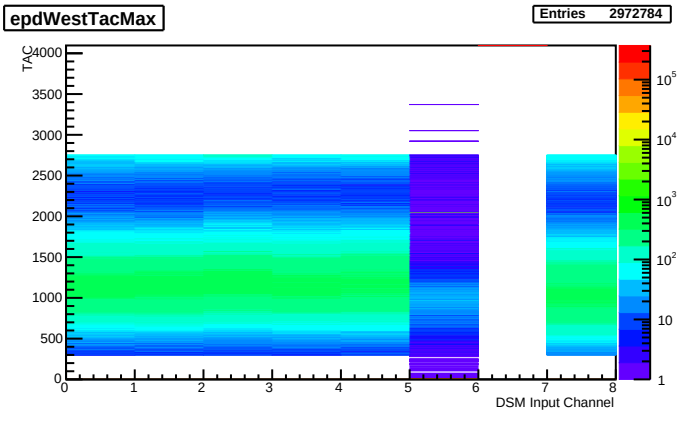

bbcSmallWestTacMaxVsSimu
Entries 320445
Data
Simu

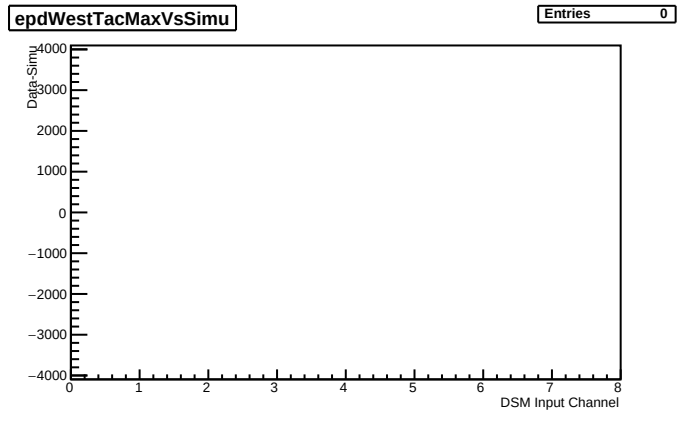

epdEastTacMax
Entries 2972784
TAC
DSM Input Channel

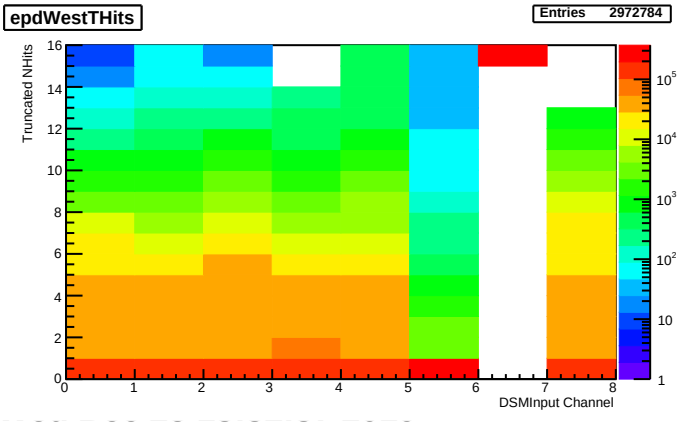

epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

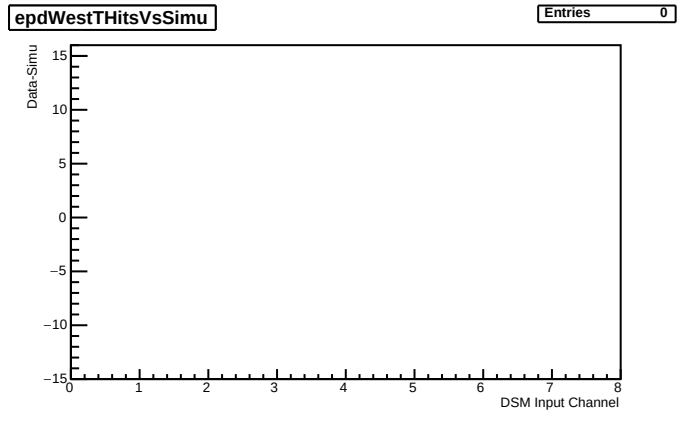

epdEastTHits
Entries 2972784
Truncated NHits
DSMInput Channel

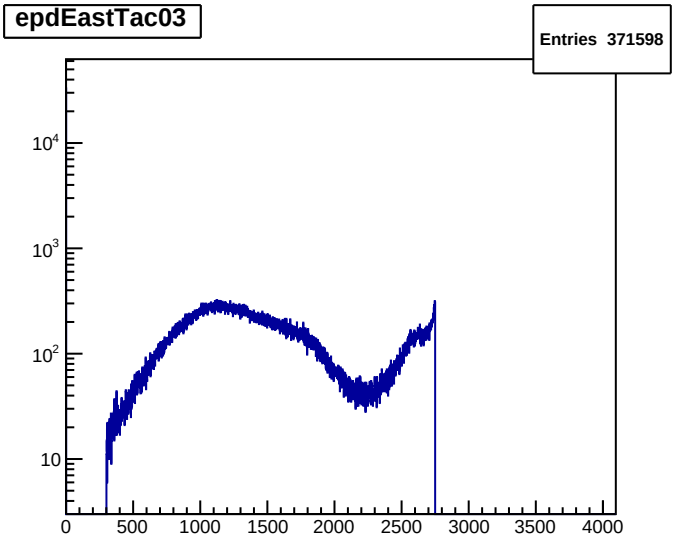

epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

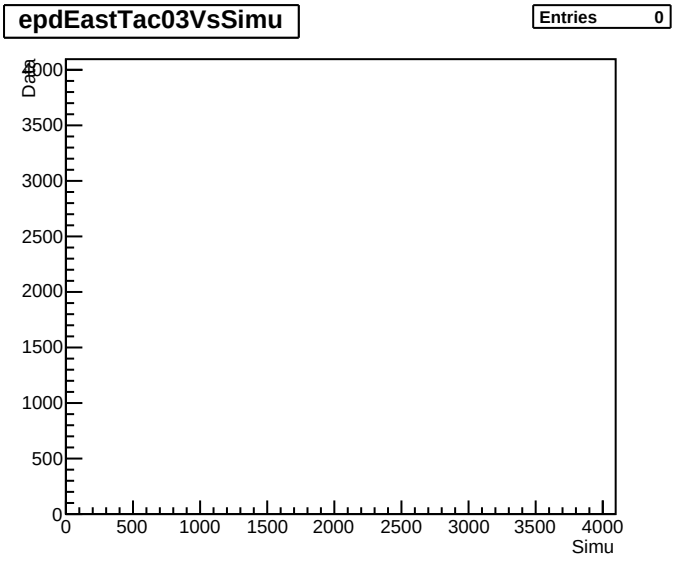

epdWestTacMax
Entries 2972784
TAC
DSM Input Channel

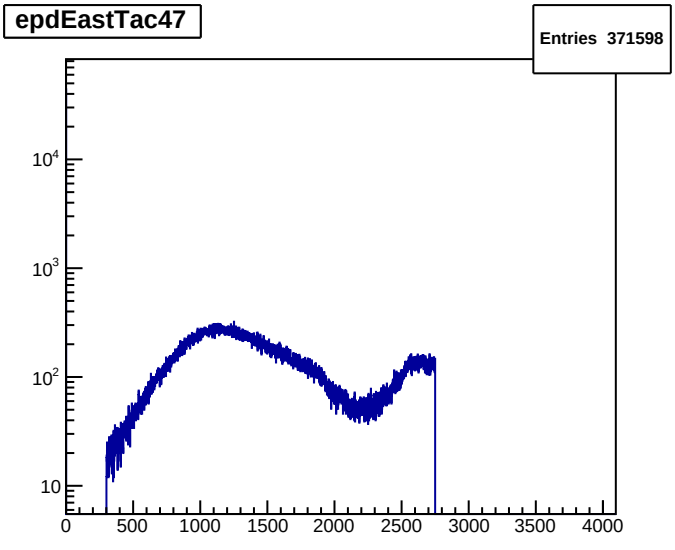

epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel

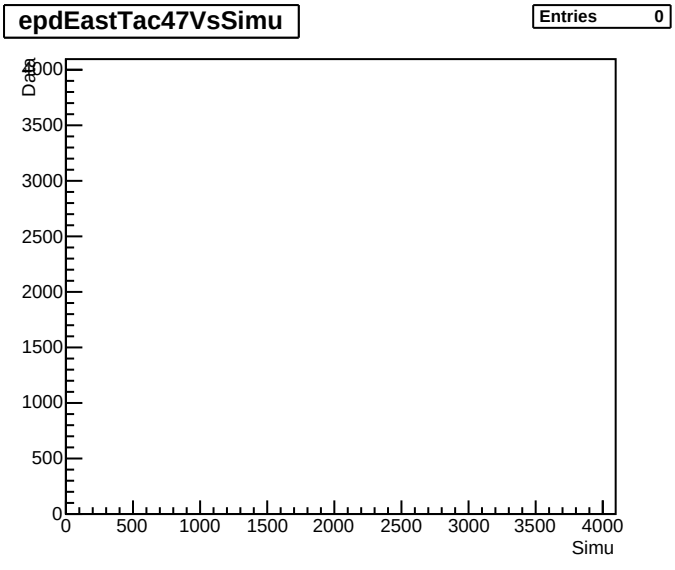

epdWestTHits
Entries 2972784
Truncated NHits
DSMInput Channel

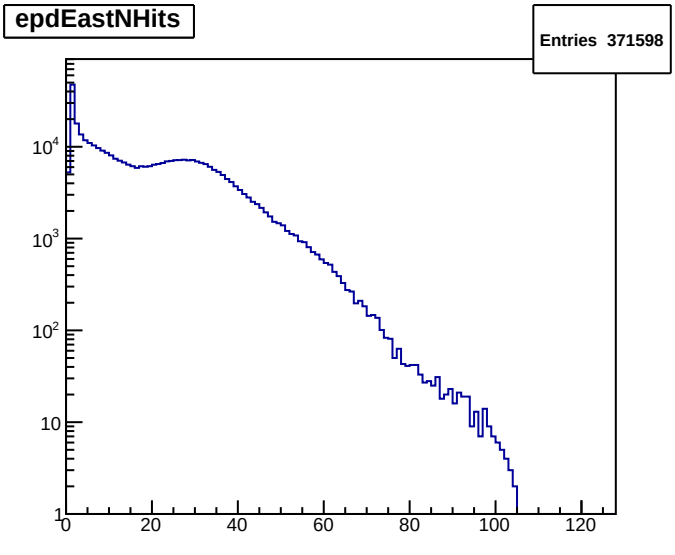

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

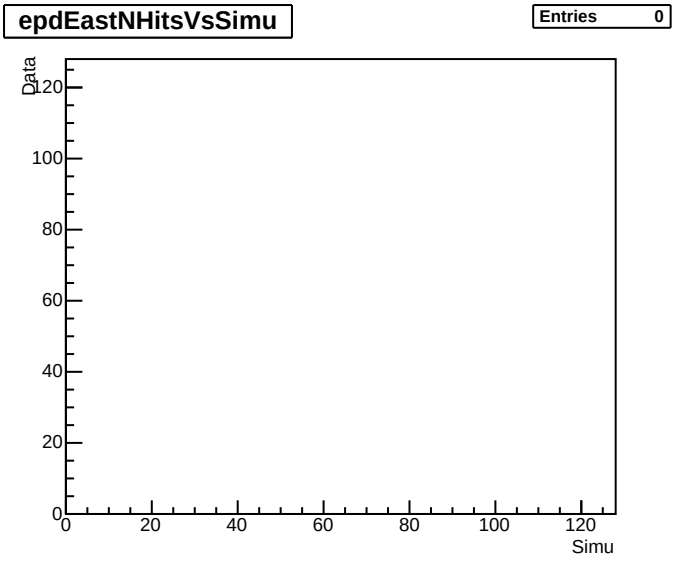

epdEastTac03
Entries 371598

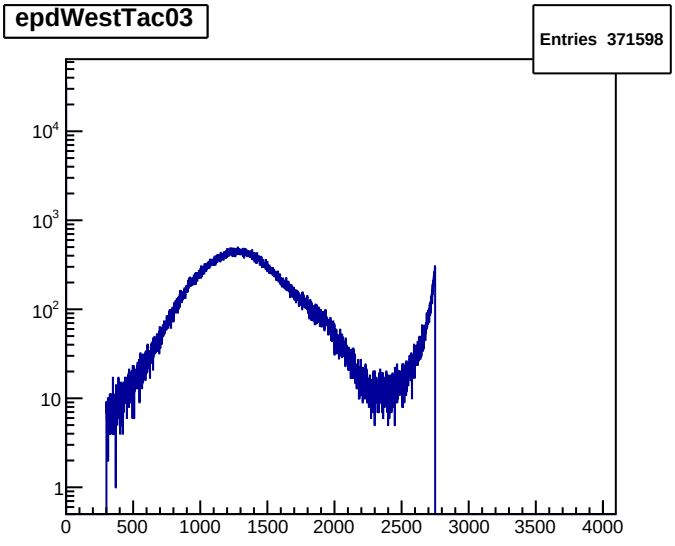

epdEastTac03VsSimu
Entries 0
Data
Simu

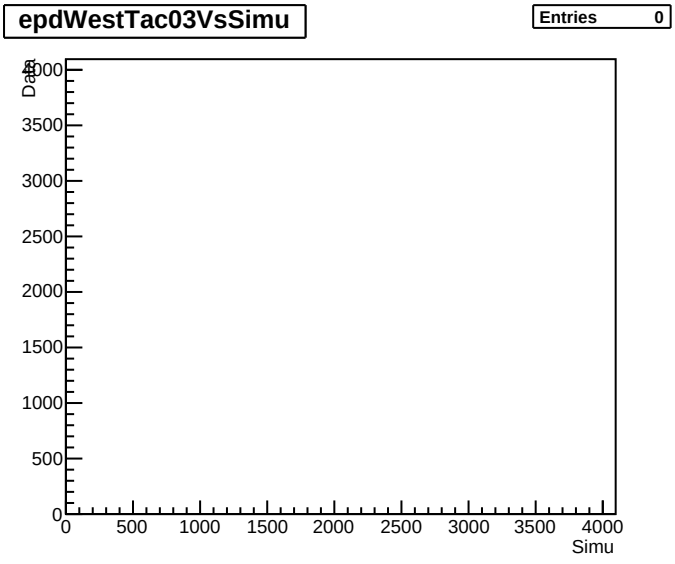

epdEastTac47
Entries 371598

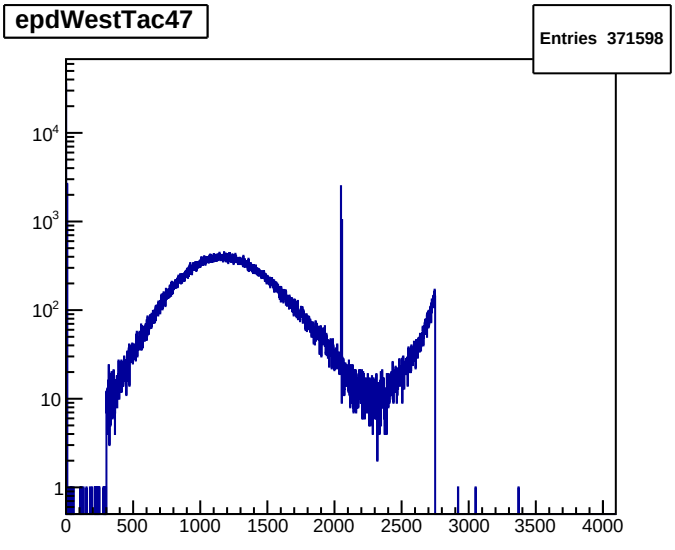

epdEastTac47VsSimu
Entries 0
Data
Simu

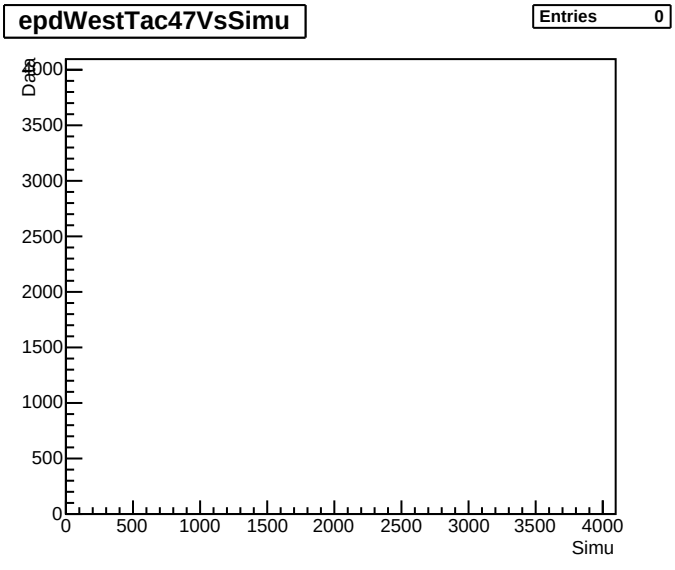

epdEastNHits
Entries 371598

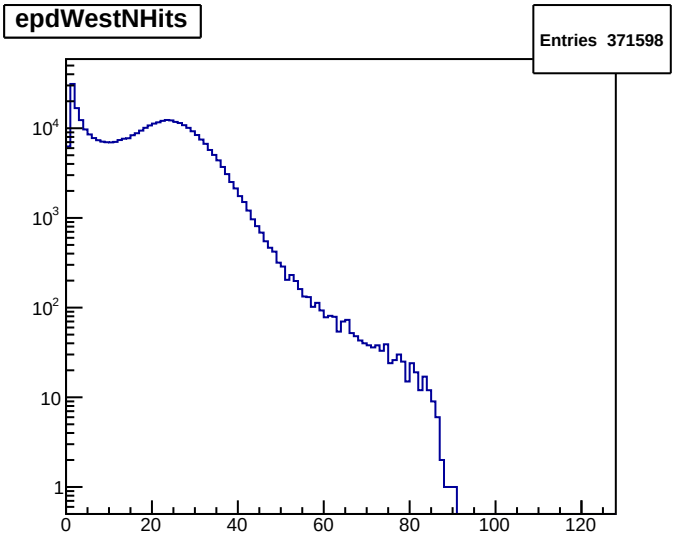

epdEastNHitsVsSimu
Entries 0
Data
Simu

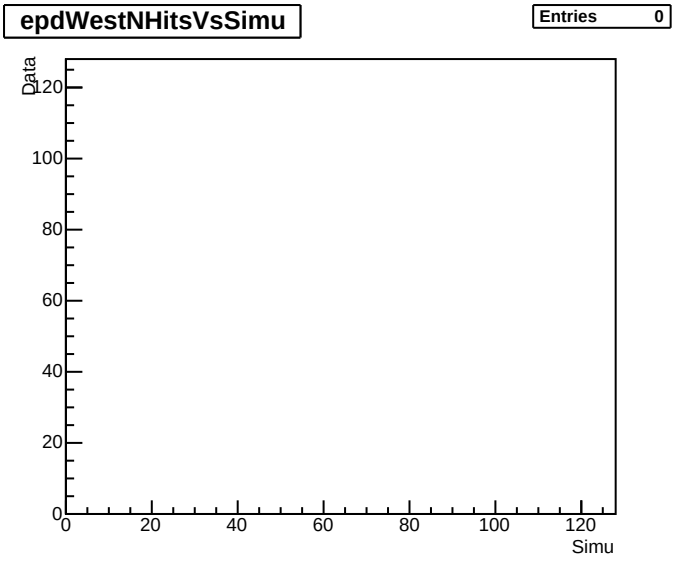

epdWestTac03
Entries 371598

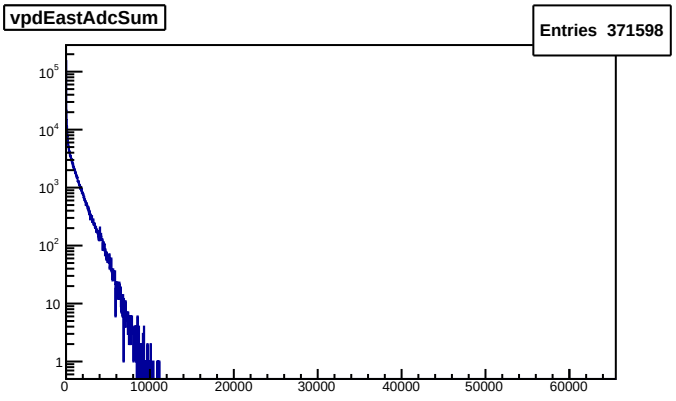

epdWestTac03VsSimu
Entries 0
Data
Simu

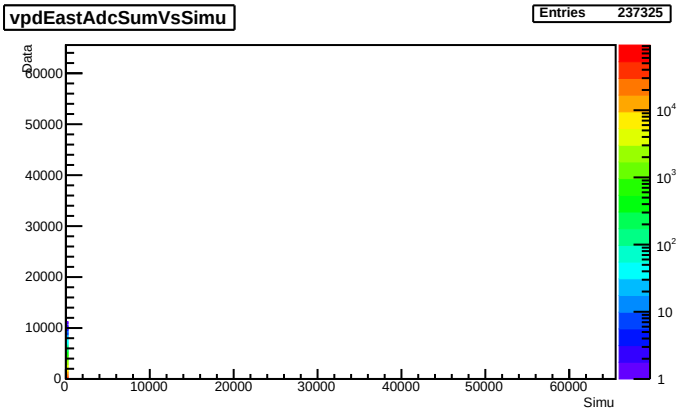

epdWestTac47
Entries 371598

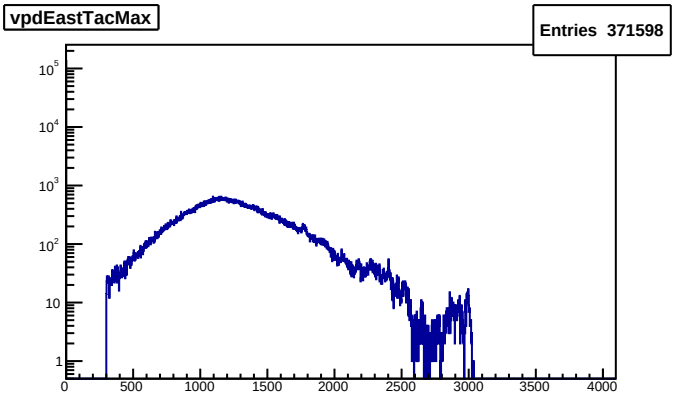

epdWestTac47VsSimu
Entries 0
Data
Simu

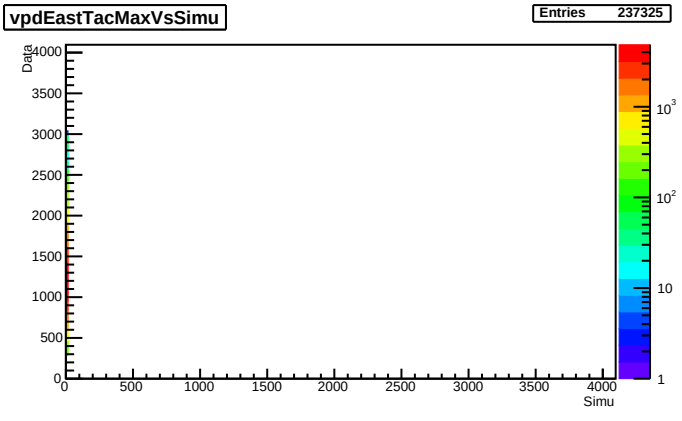

epdWestNHits
Entries 371598

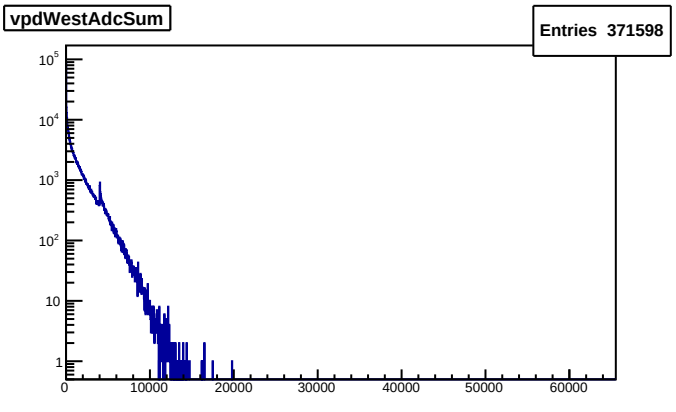

epdWestNHitsVsSimu
Entries 0
Data
Simu

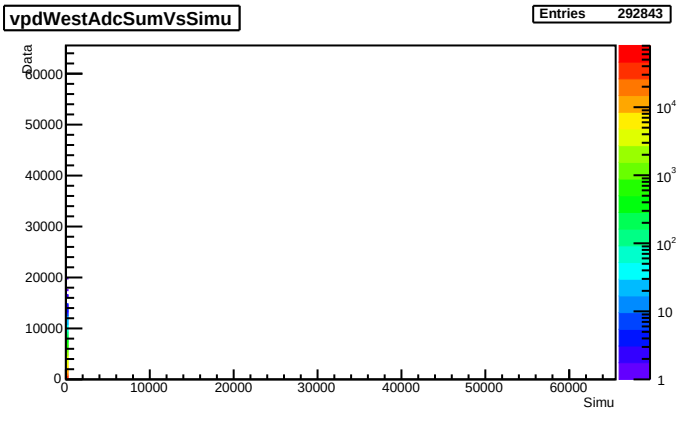

vpdEastAdcSum
Entries 371598

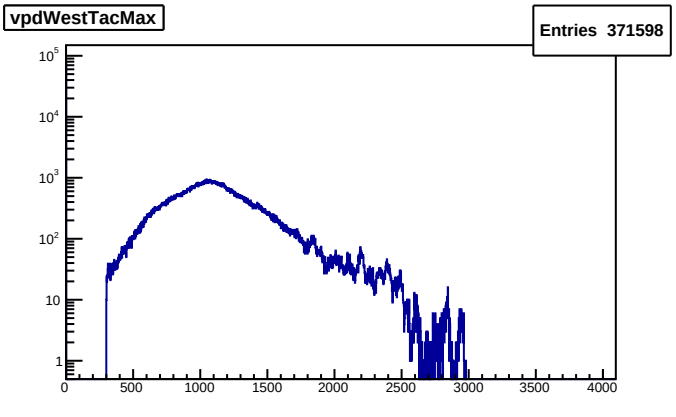

vpdEastAdcSumVsSimu
Entries 237325
Data
Simu

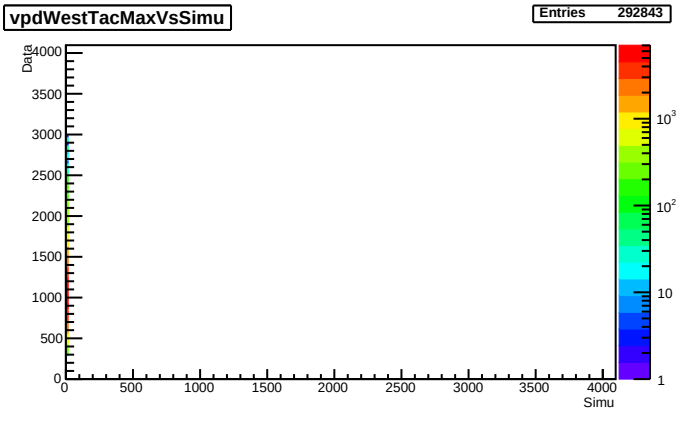

vpdEastTacMax
Entries 371598

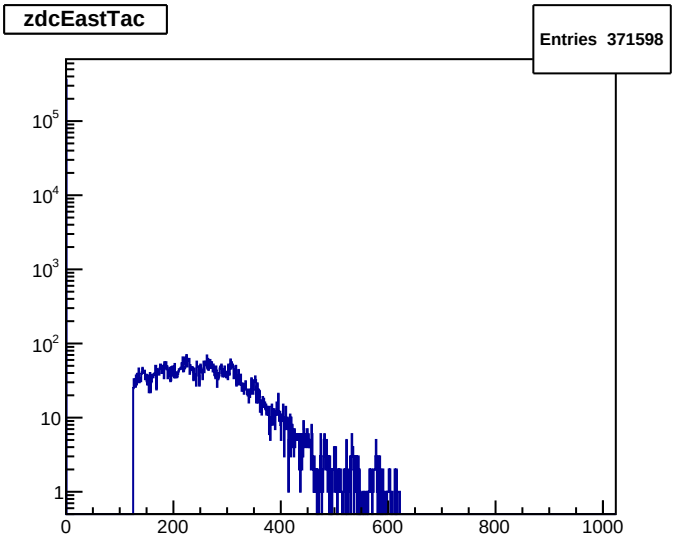

vpdEastTacMaxVsSimu
Entries 237325
Data
Simu

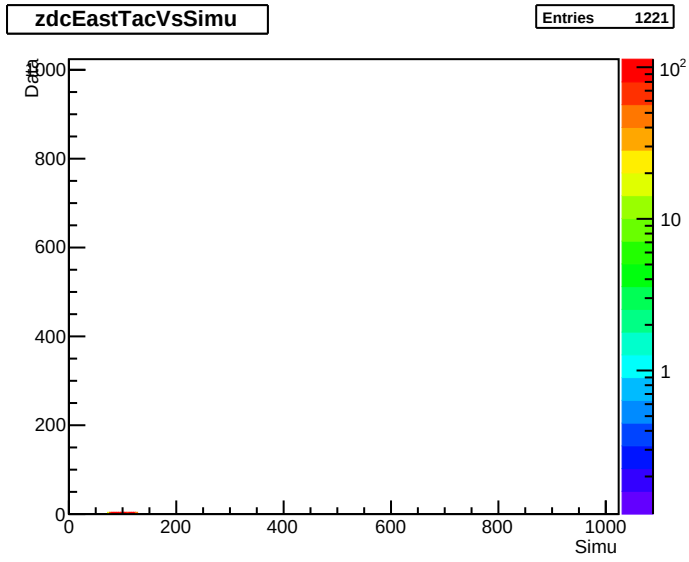

vpdWestAdcSum
Entries 371598

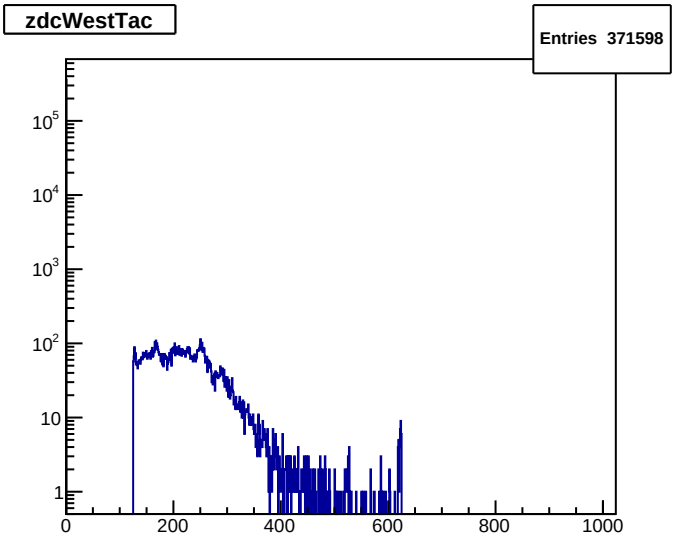

vpdWestAdcSumVsSimu
Entries 292843
Data
Simu

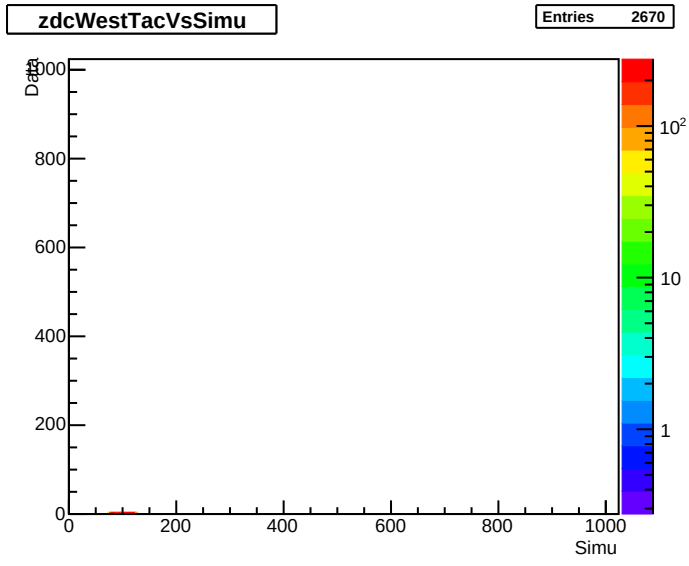

vpdWestTacMax
Entries 371598

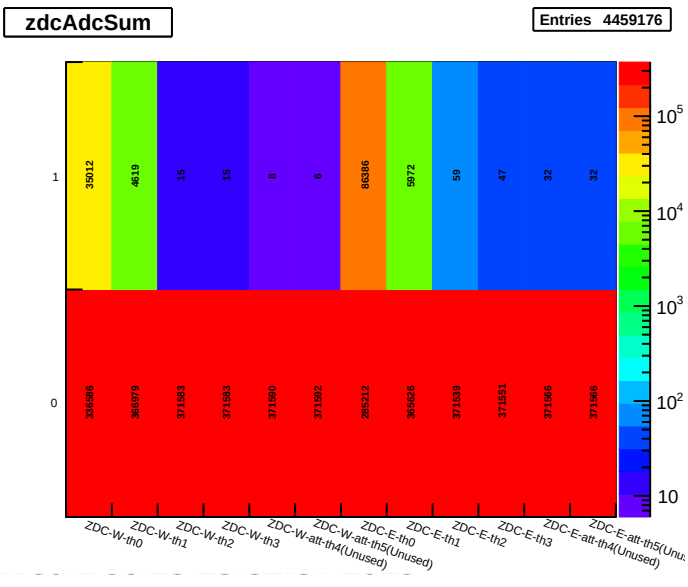

vpdWestTacMaxVsSimu
Entries 292843
Data
Simu

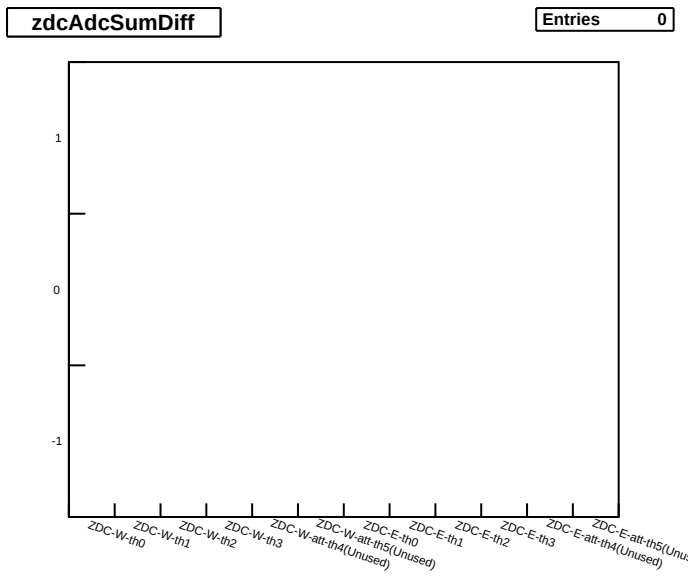

zdcEastTac
Entries 371598

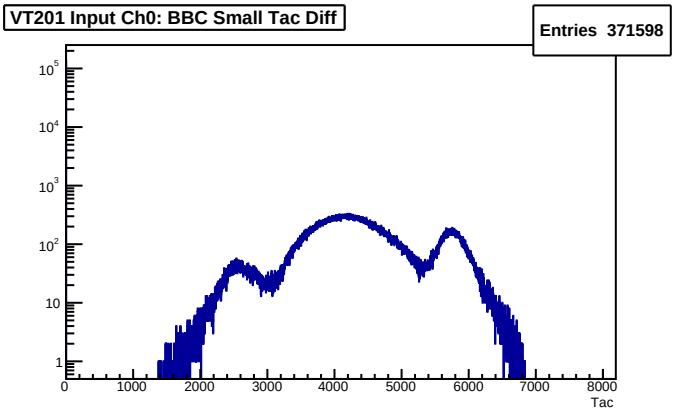

zdcEastTacVsSimu
Entries 1221
Data
Simu

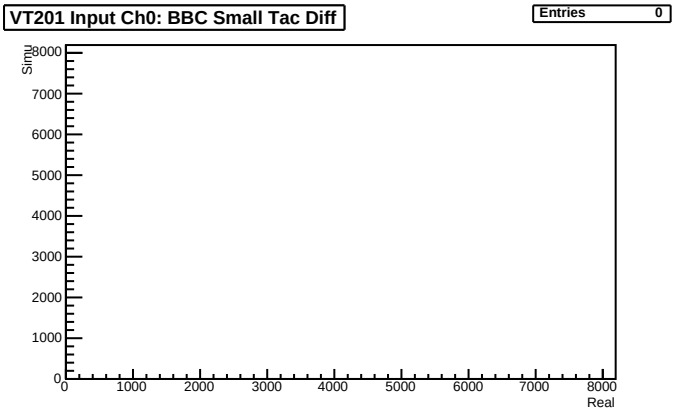

zdcWestTac
Entries 371598

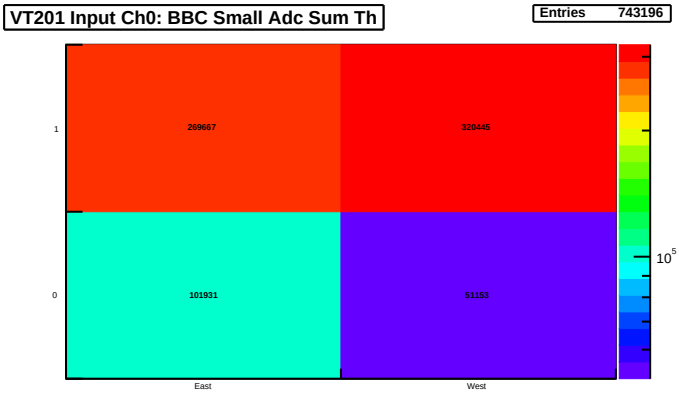

zdcWestTacVsSimu
Entries 2670
Data
Simu

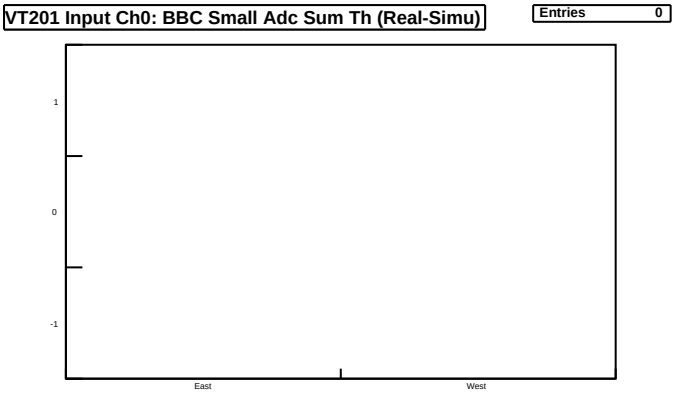

zdcAdcSum
Entries 4459176
35012
4619
15
15
8
6
86386
5972
59
47
32
32
336586
366979
371583
371583
371590
371592
285212
365626
371539
371551
371566
371566
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

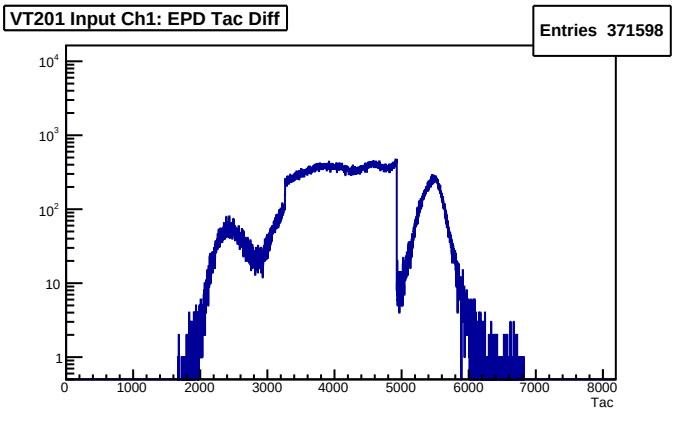

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

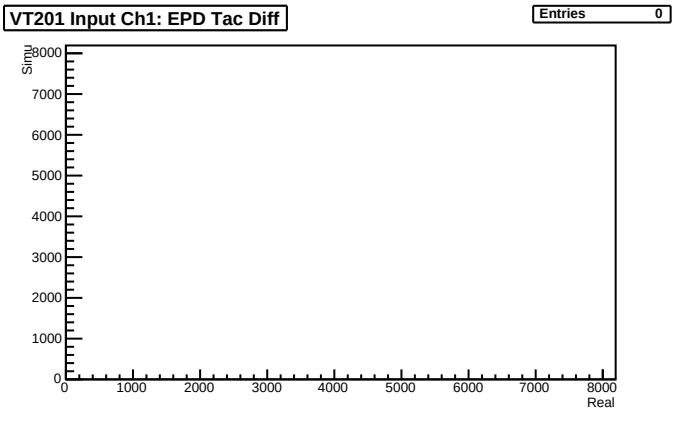

VT201 Input Ch0: BBC Small Tac Diff
Entries 371598
Tac

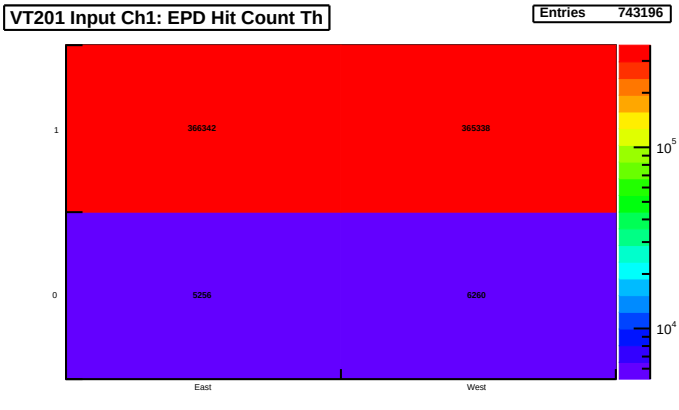

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

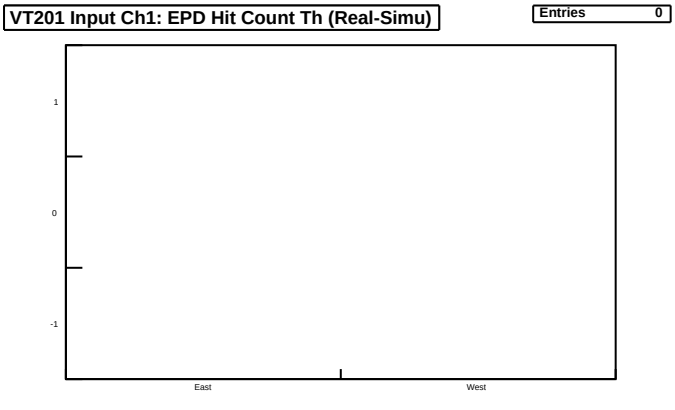

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 743196
269667
320445
101931
51153
East
West

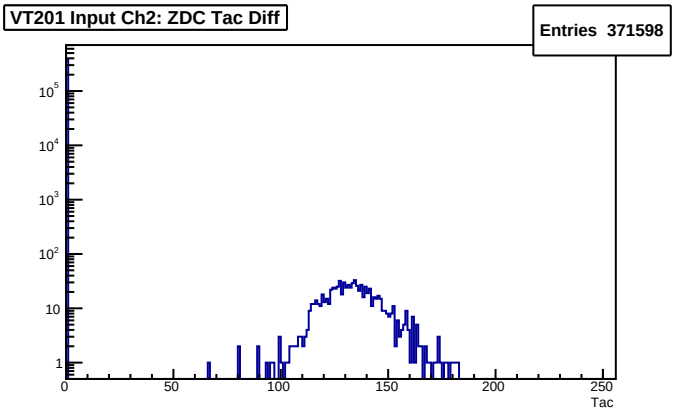

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

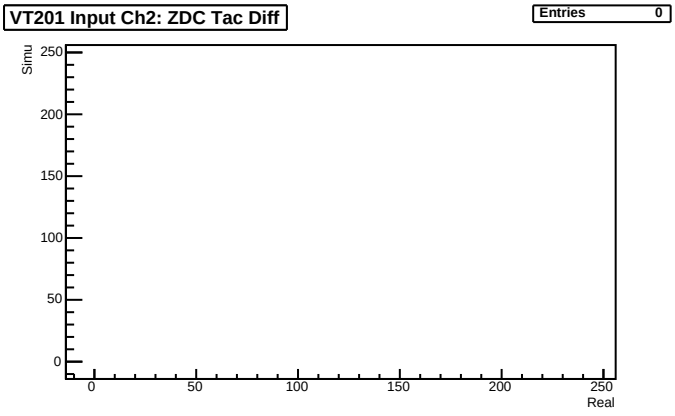

VT201 Input Ch1: EPD Tac Diff
Entries 371598
Tac

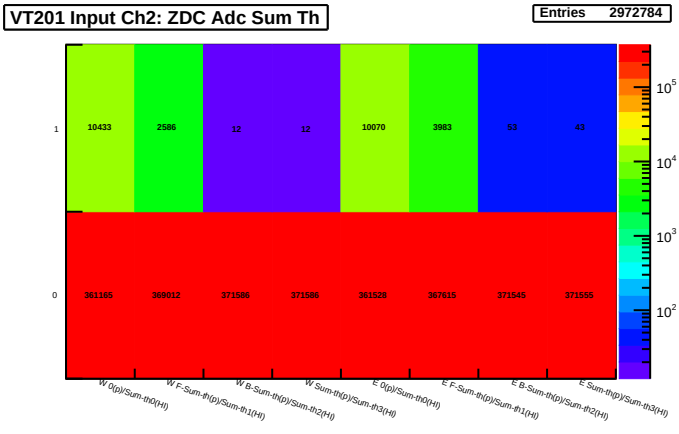

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

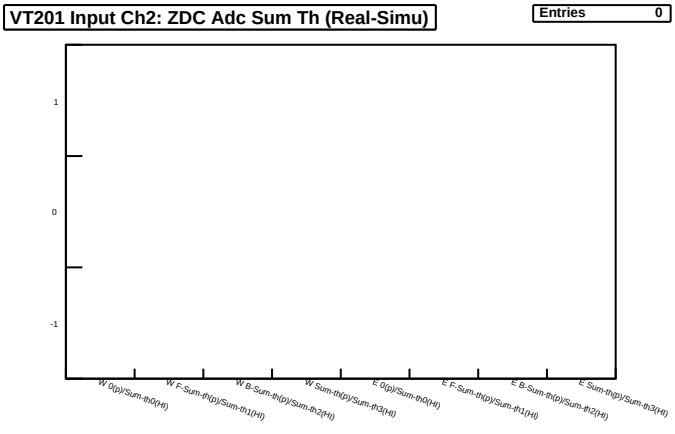

VT201 Input Ch1: EPD Hit Count Th
Entries 743196
366342
365338
5256
6260
East
West

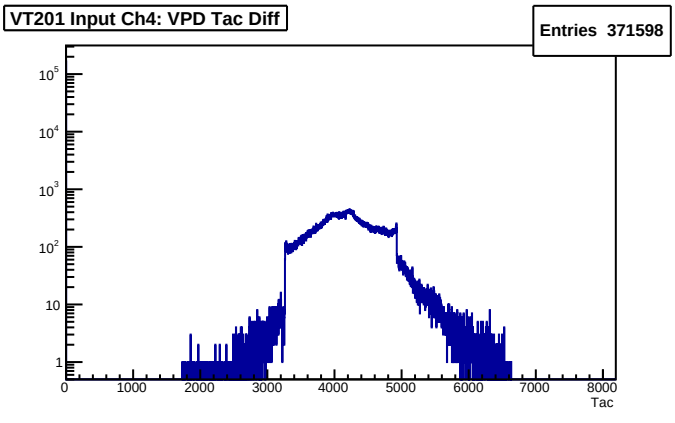

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

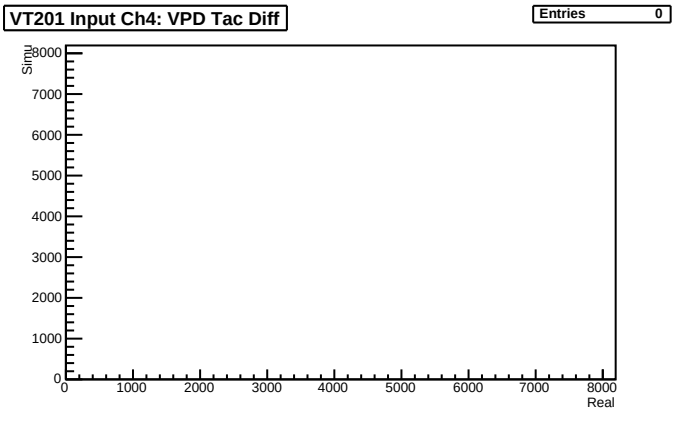

VT201 Input Ch2: ZDC Tac Diff
Entries 371598
Tac

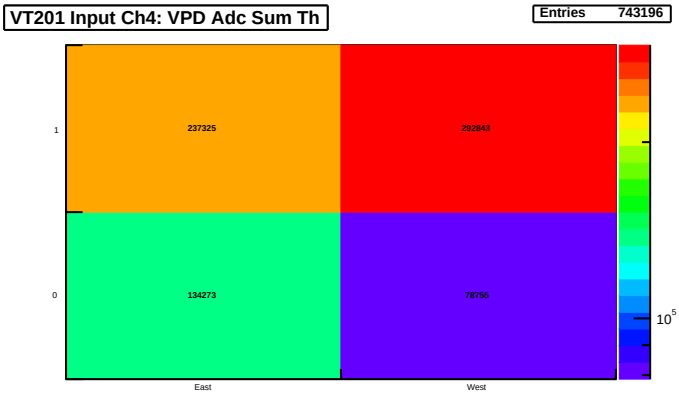

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

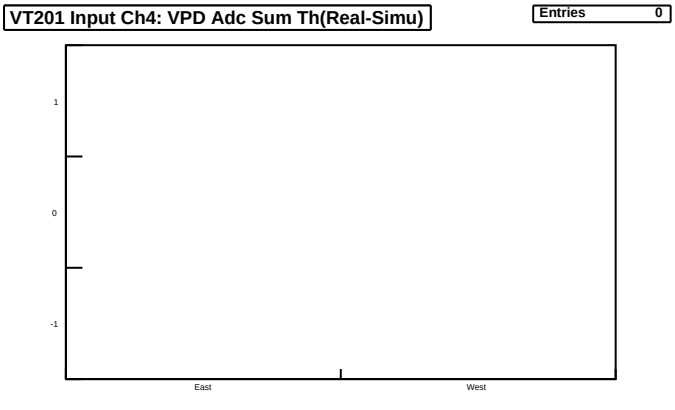

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2972784
10433
2586
12
12
10070
3983
53
43
361165
369012
371586
371586
361528
367615
371545
371555
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

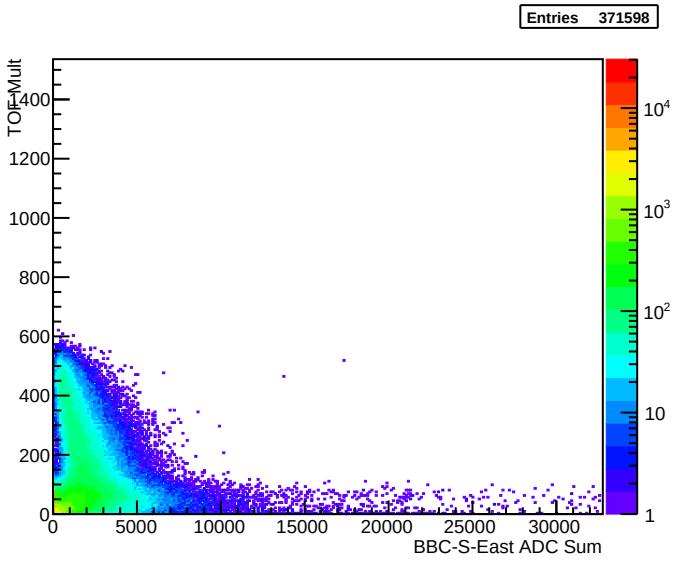

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

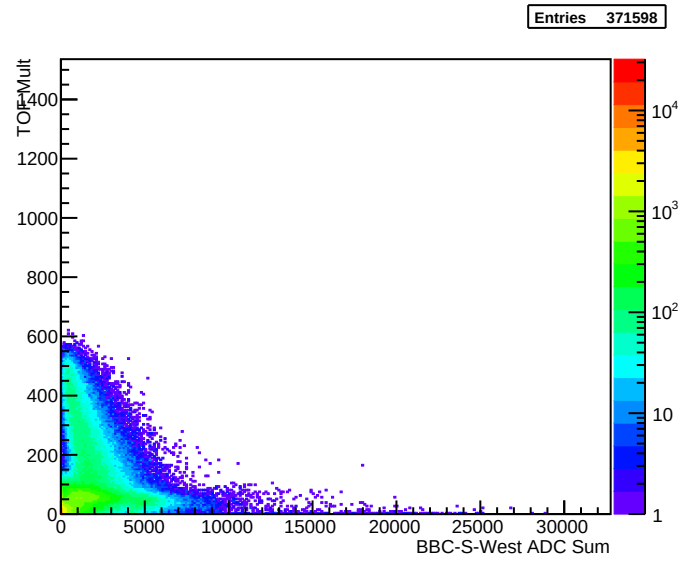

VT201 Input Ch4: VPD Tac Diff
Entries 371598
Tac

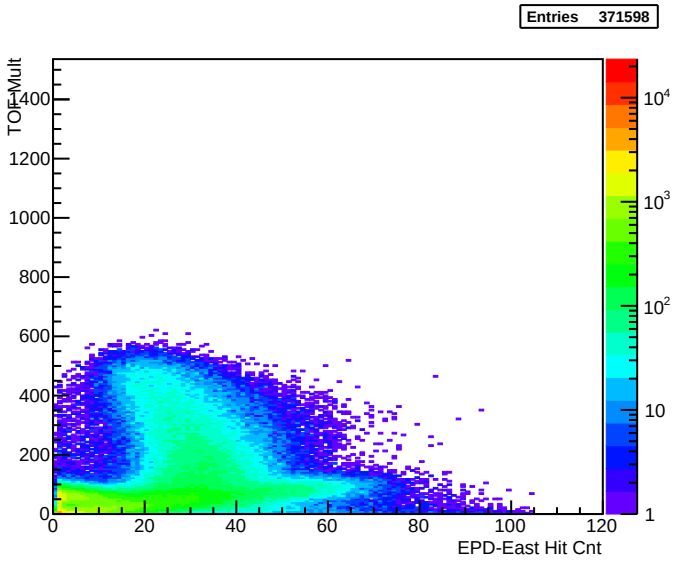

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

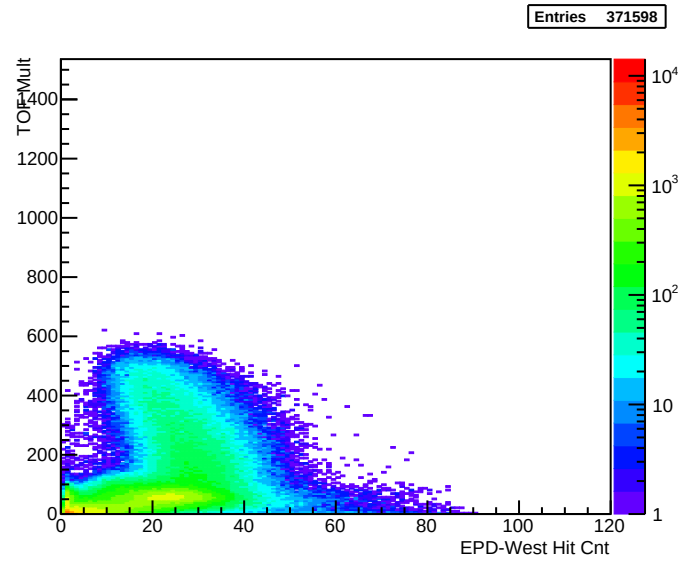

VT201 Input Ch4: VPD Adc Sum Th
Entries 743196
237325
292843
134273
78755
East
West

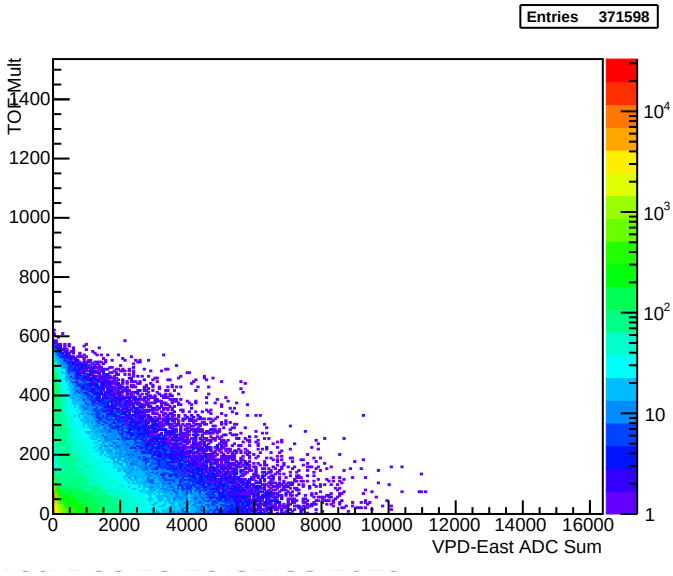

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

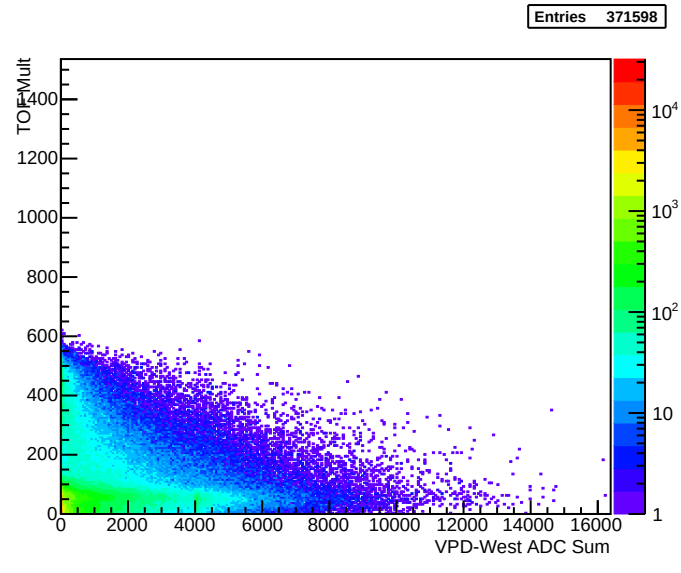

Entries 371598
TOF-Mult
BBC-S-East ADC Sum

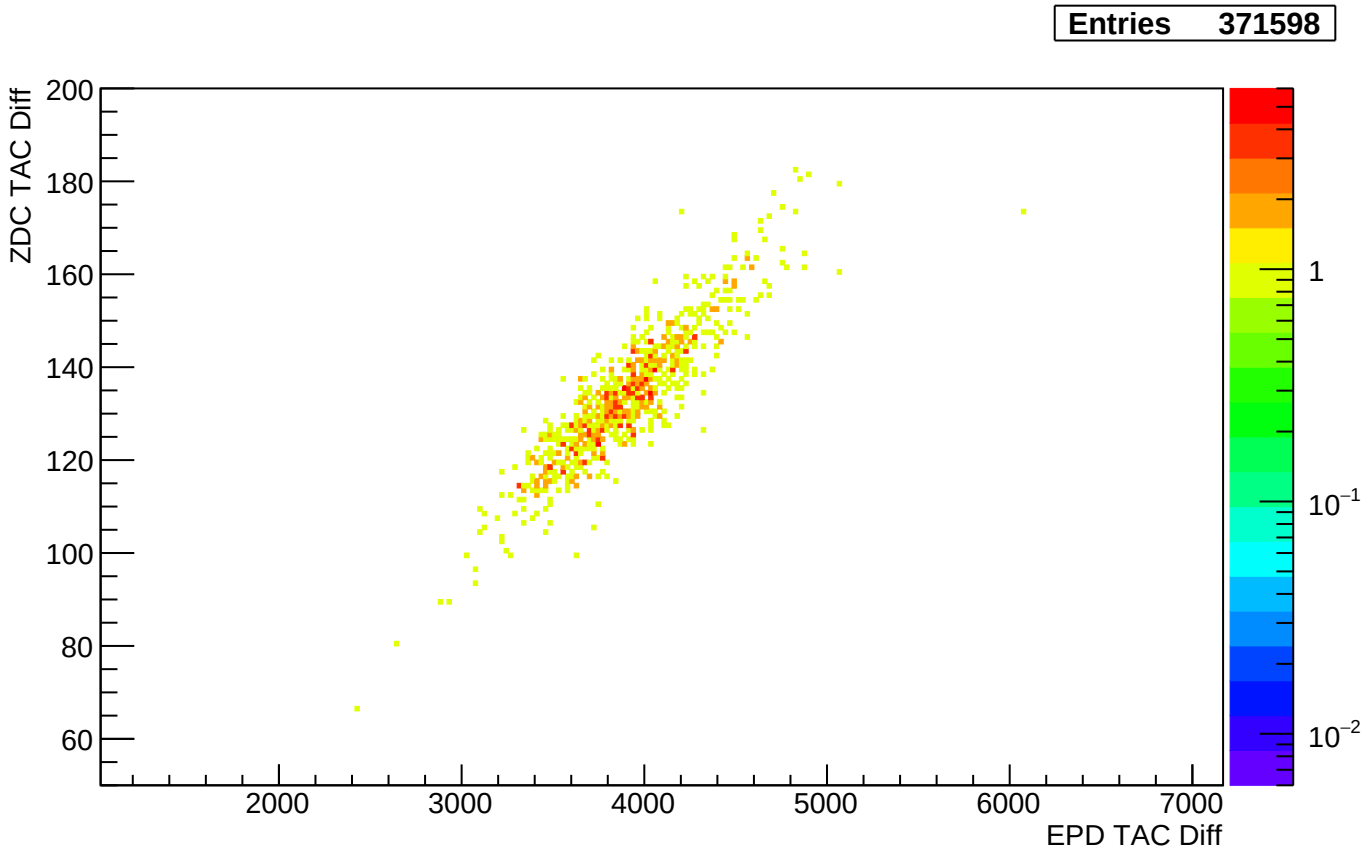

Entries 371598
TOF-Mult
BBC-S-West ADC Sum

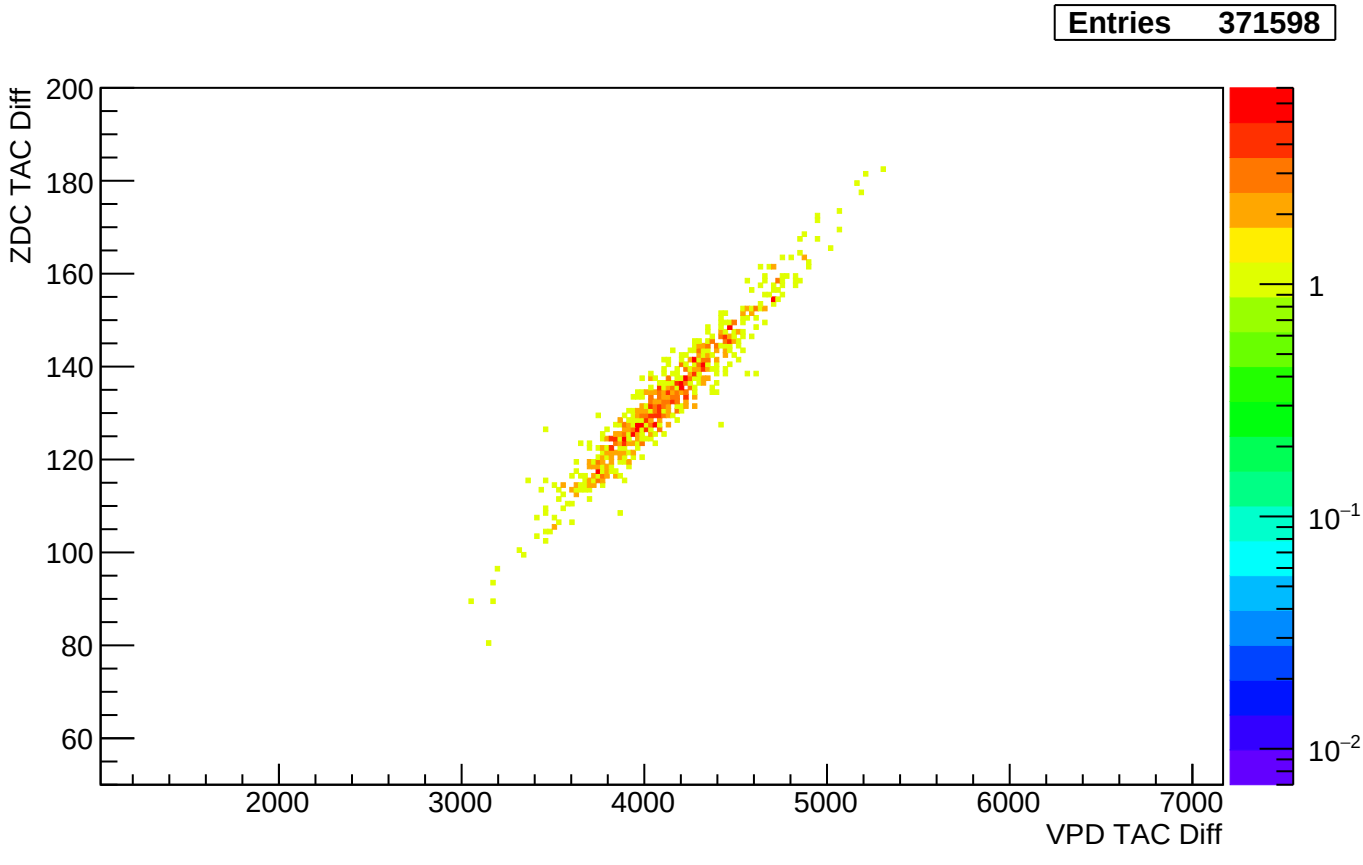

Entries 371598
TOF-Mult
EPD-East Hit Cnt

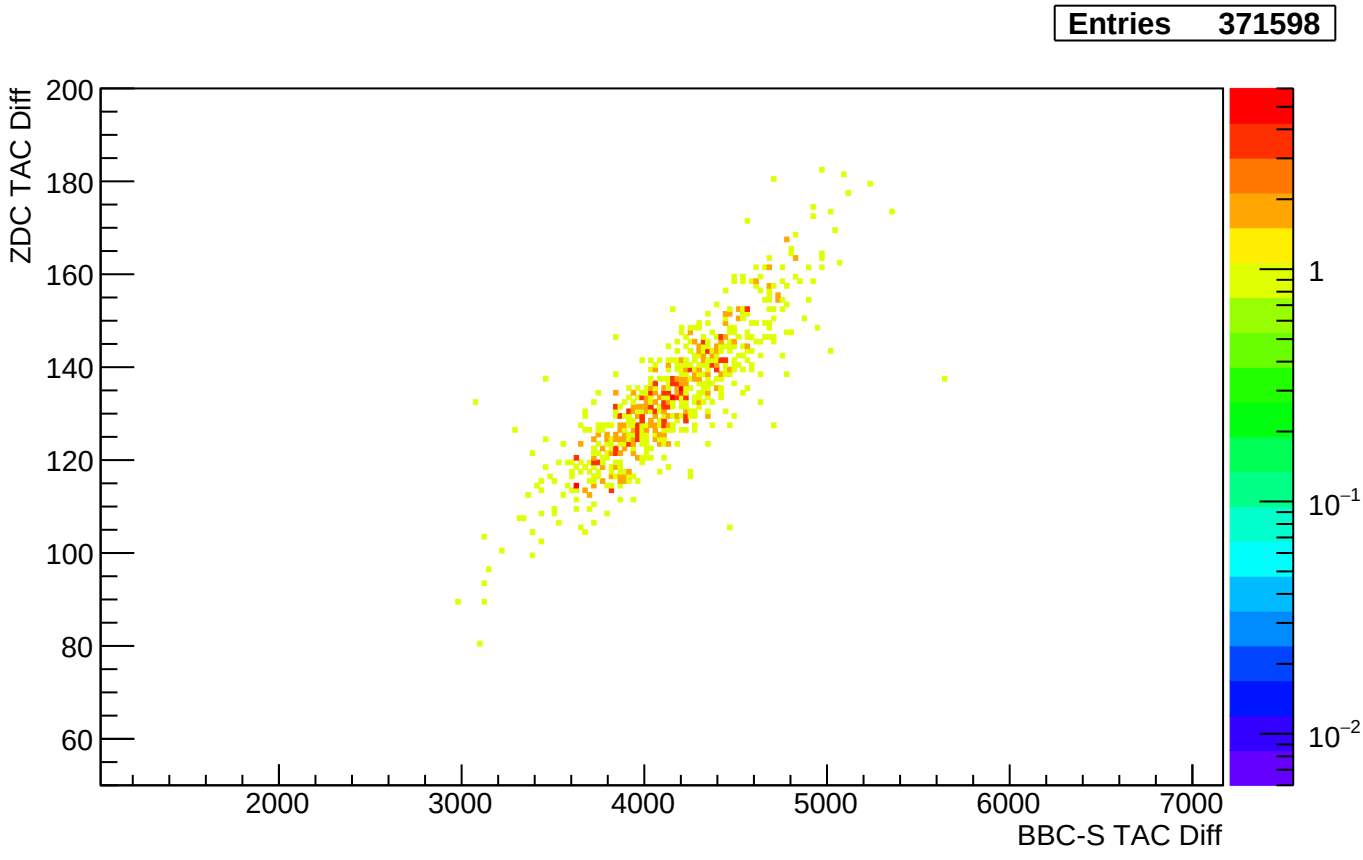

Entries 371598
TOF-Mult
EPD-West Hit Cnt

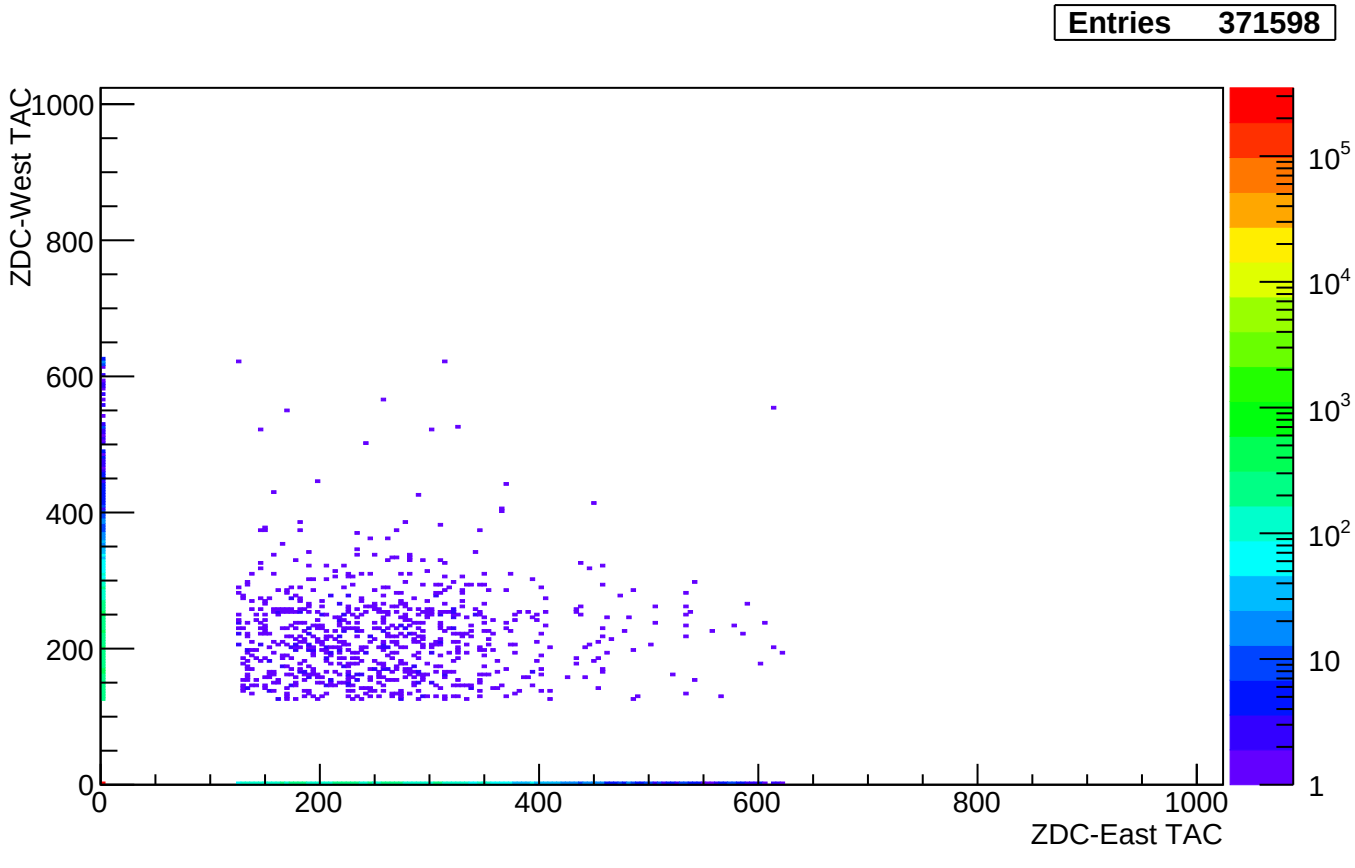

Entries 371598
TOF-Mult
VPD-East ADC Sum

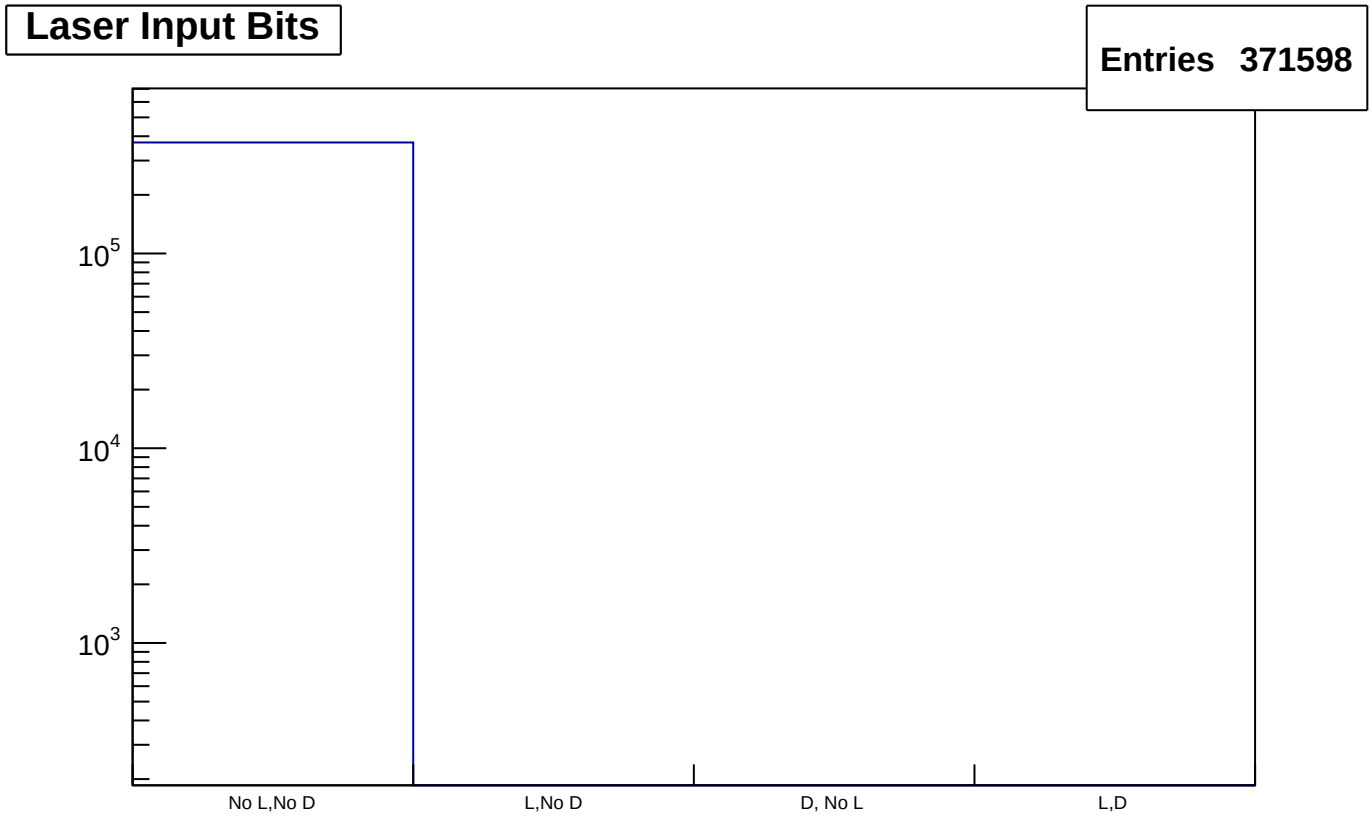

Entries 371598
TOF-Mult
VPD-West ADC Sum

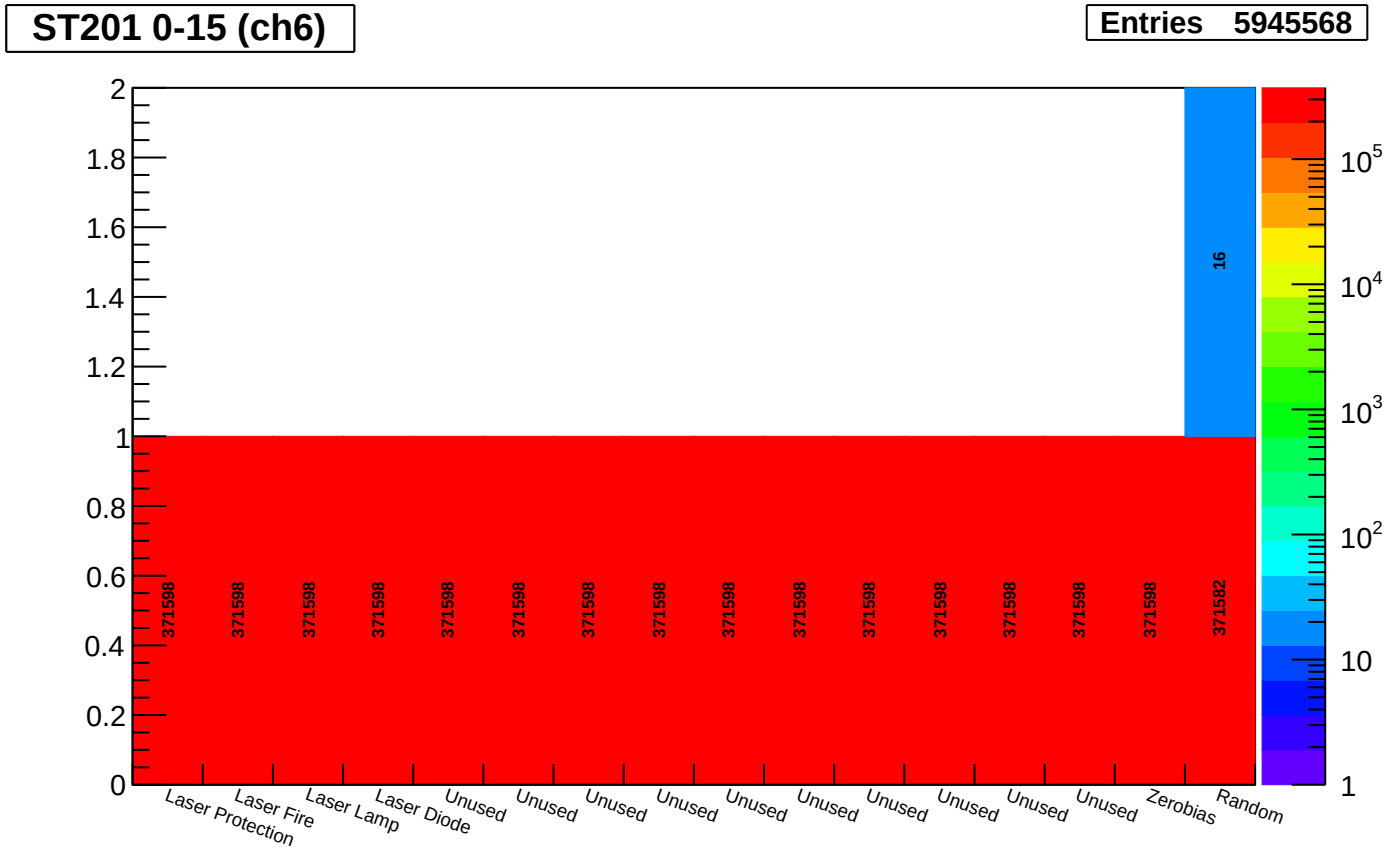

Entries 371598
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

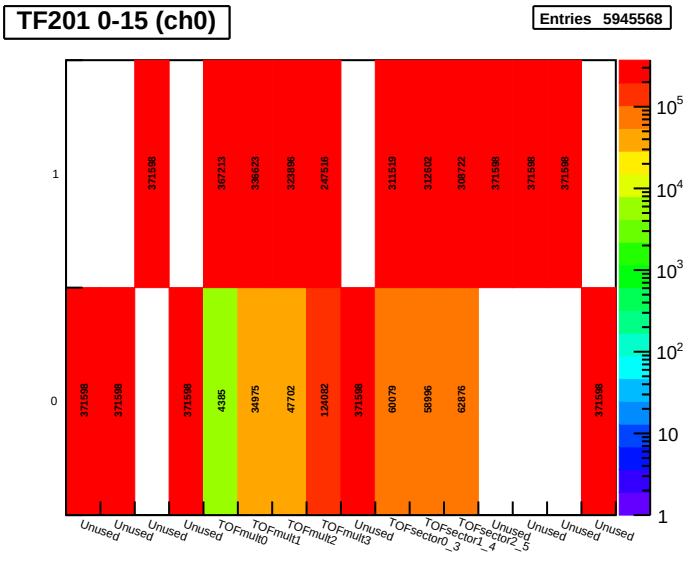

Entries 371598
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

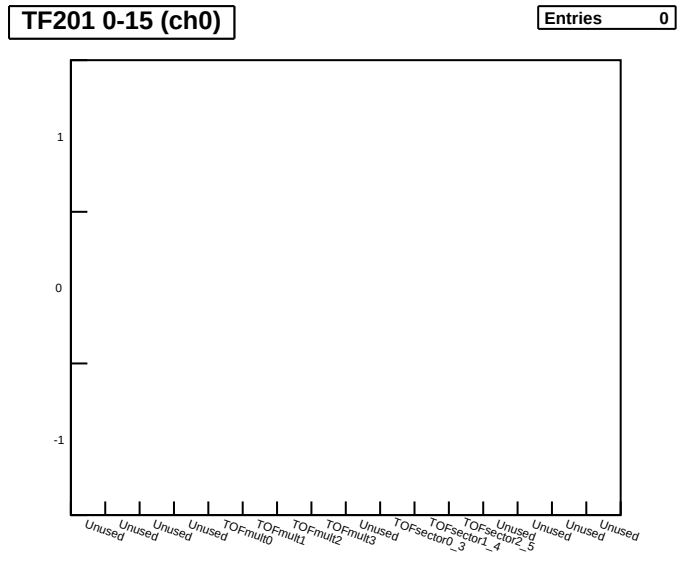

Entries 371598
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

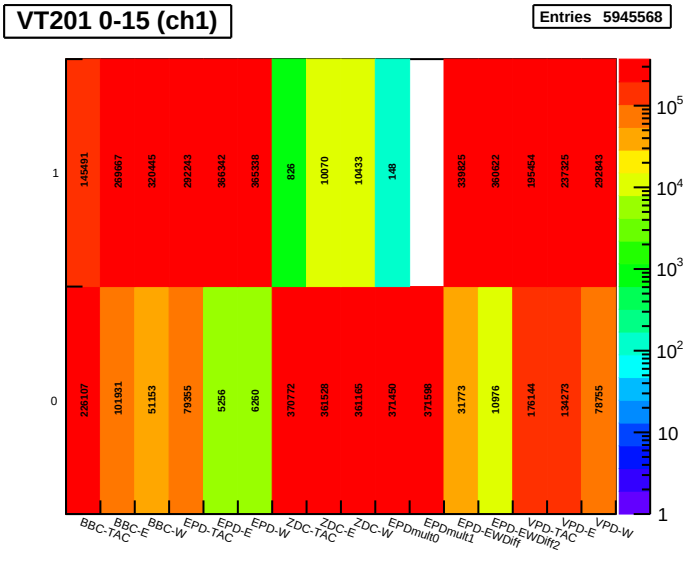

Entries 371598
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

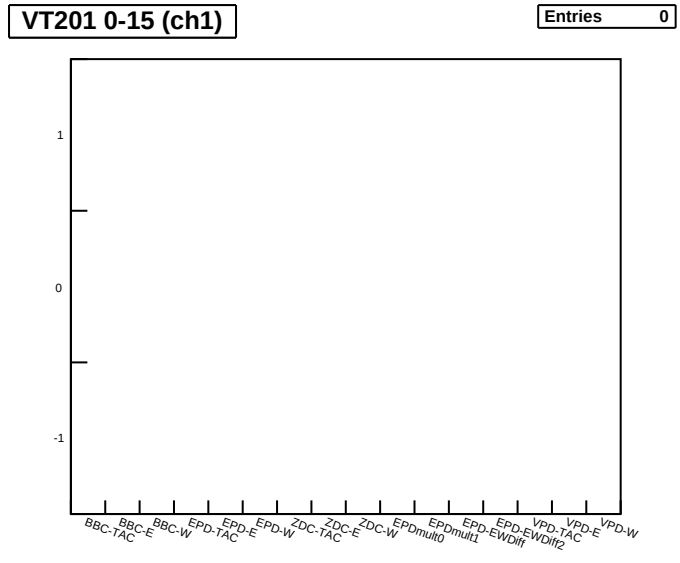

Laser Input Bits
Entries 371598
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

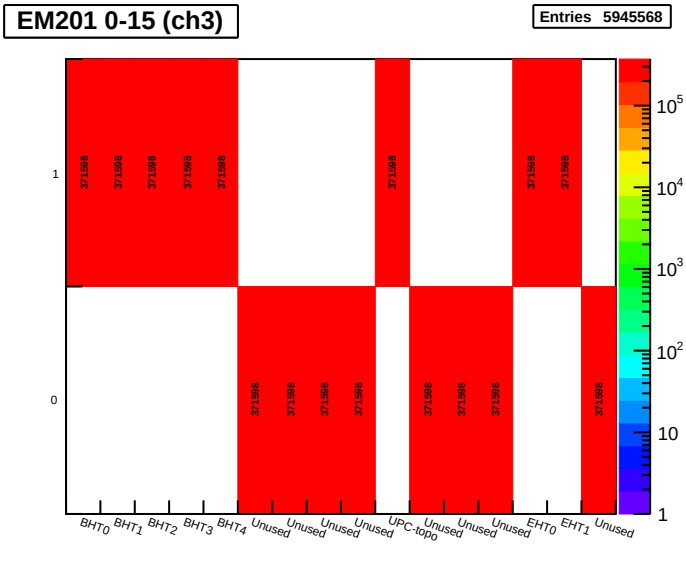

ST201 0-15 (ch6)
Entries 5945568
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
16
371598
371582
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

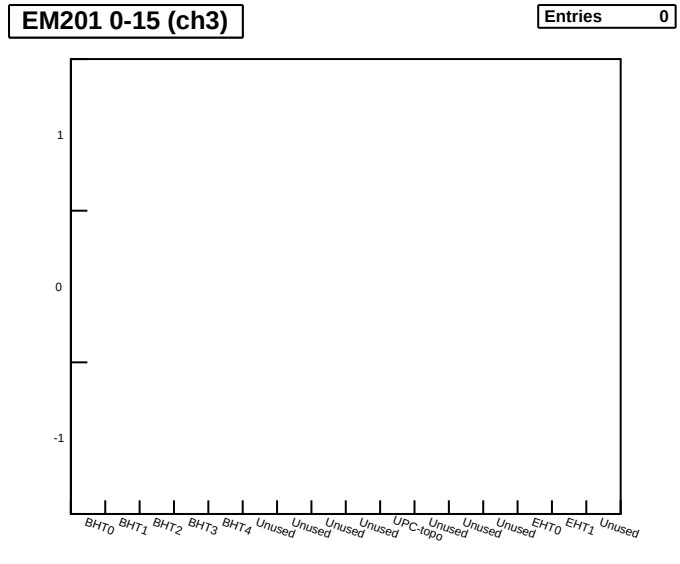

TF201 0-15 (ch0)
Entries 5945568
1
0
371598 367213 336623 323896 247516 311519 312602 308722 371598 371598 371598
371598 371598 371598 4385 34975 47702 124082 371598 60079 58996 62876 371598
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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 Unused


VT201 0-15 (ch1)
Entries 5945568
1
0
145491 269667 320445 292243 366342 365338 826 10070 10433 148 339825 360622 195454 237325 292843
226107 101931 51153 79355 5256 6260 370772 361528 361165 371450 371598 31773 10976 176144 134273 78755
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 5945568
1
0
371598 371598 371598 371598 371598 371598 371598 371598
371598 371598 371598 371598 371598 371598 371598 371598
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