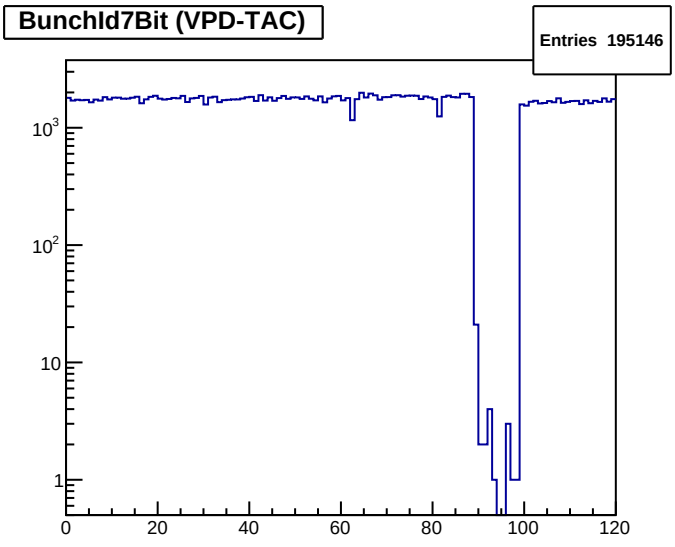
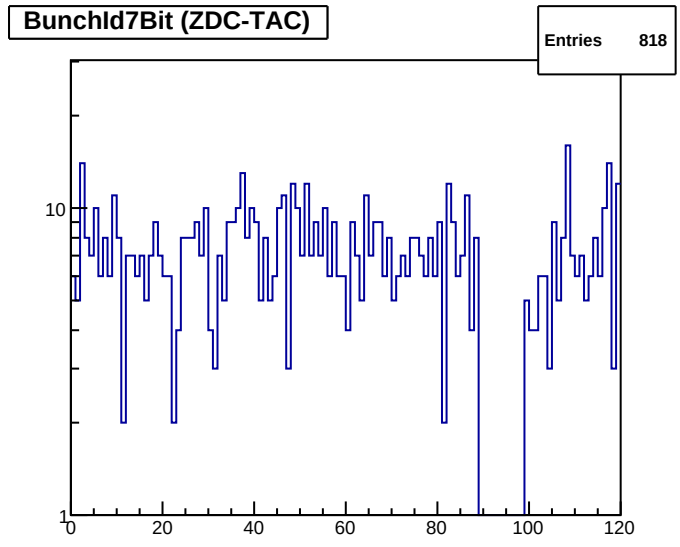
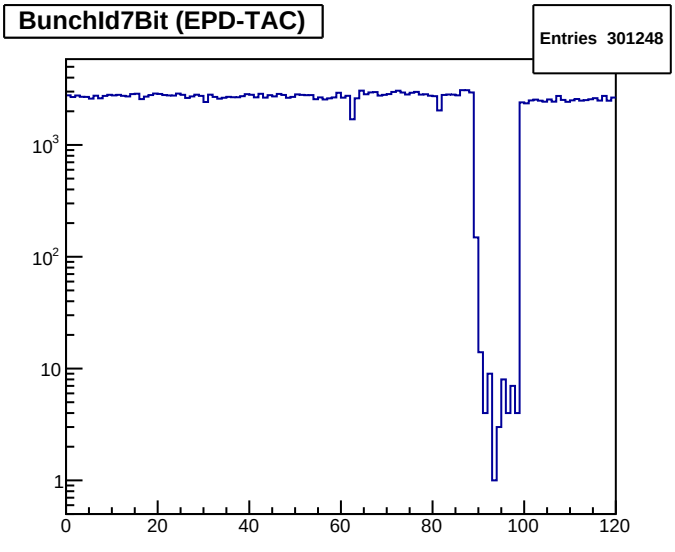
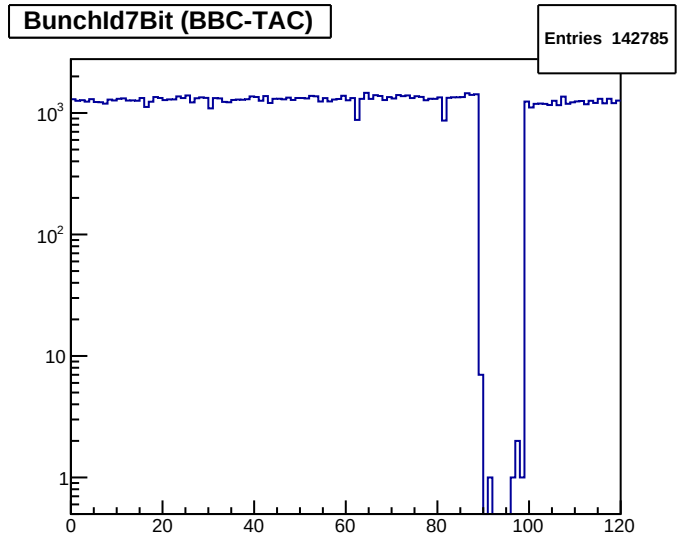
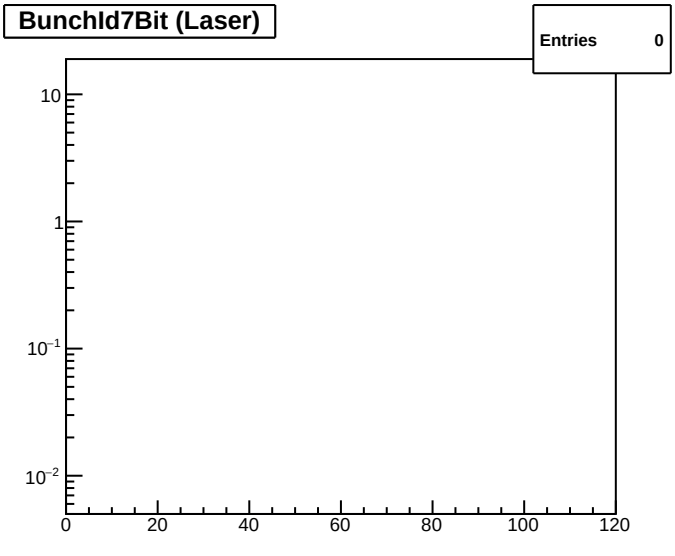
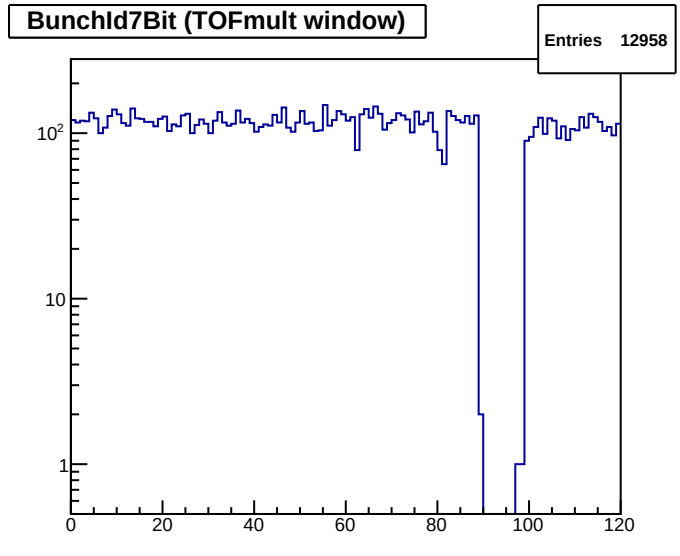

BunchId7Bit (VPD-TAC)
Entries 195146

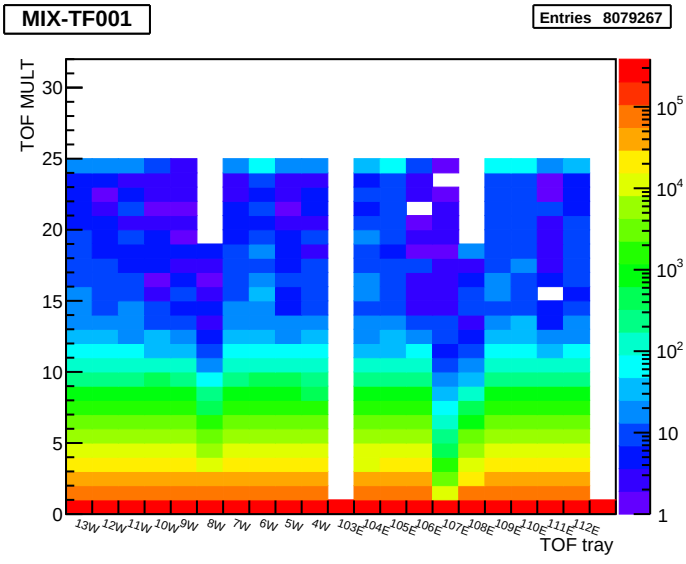

BunchId7Bit (ZDC-TAC)
Entries 818

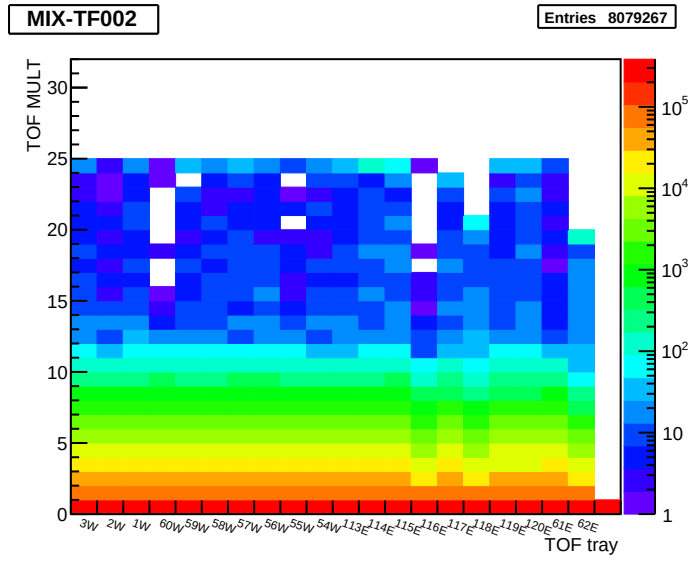

BunchId7Bit (EPD-TAC)
Entries 301248

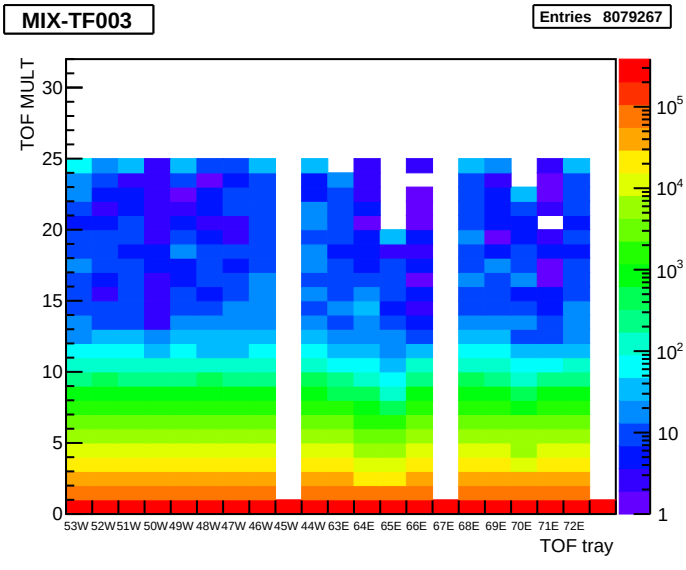

BunchId7Bit (BBC-TAC)
Entries 142785

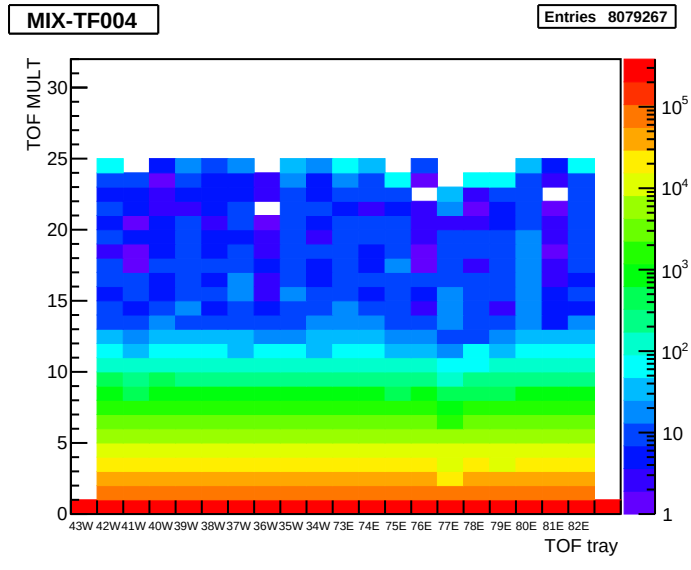

BunchId7Bit (Laser)
Entries 0

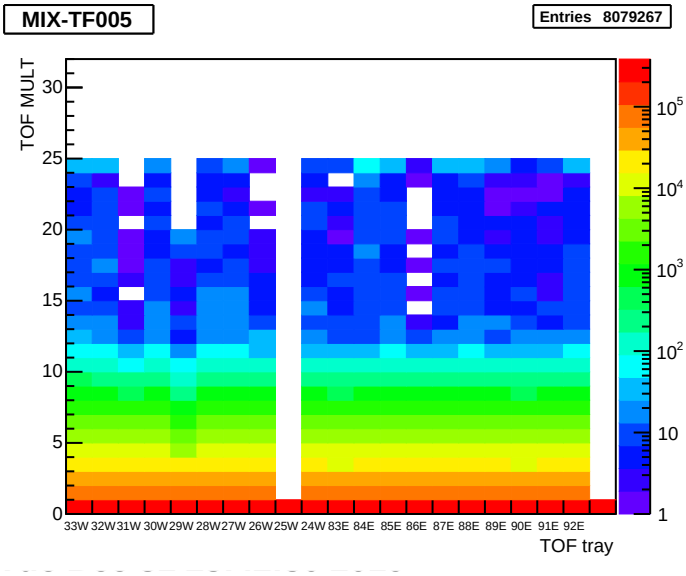

BunchId7Bit (TOFmult window)
Entries 12958

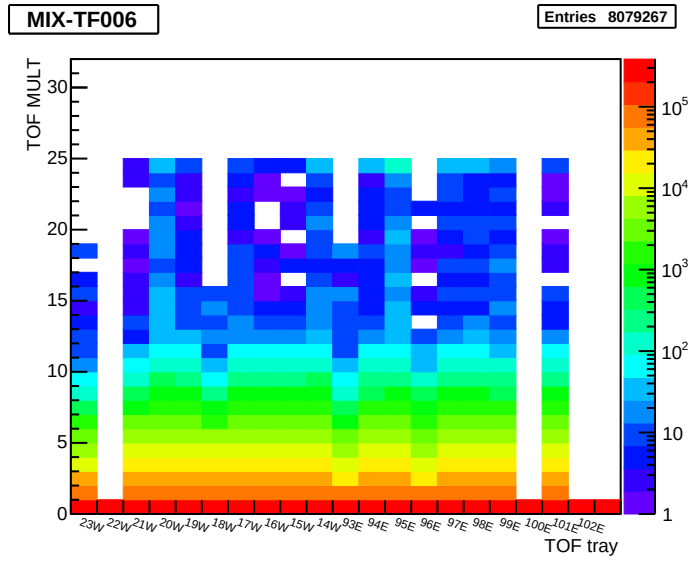

MIX-TF001
Entries 8079267
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

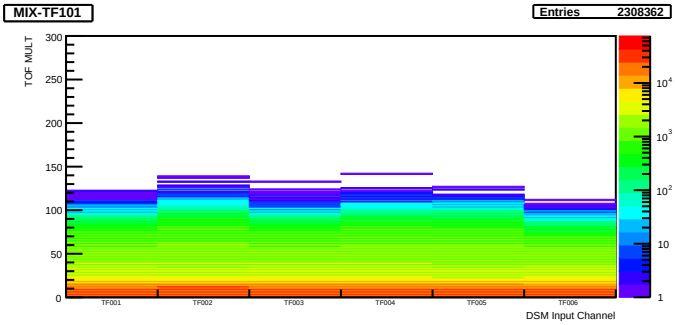

MIX-TF002
Entries 8079267
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

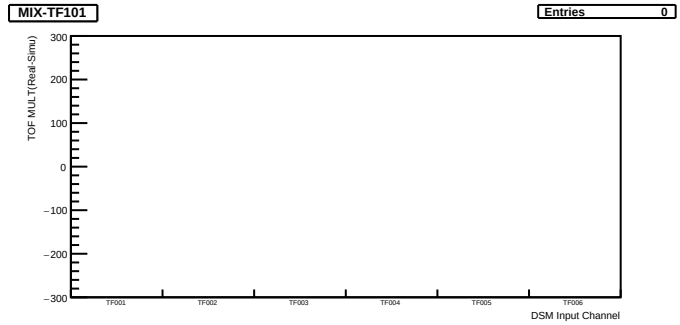

MIX-TF003
Entries 8079267
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

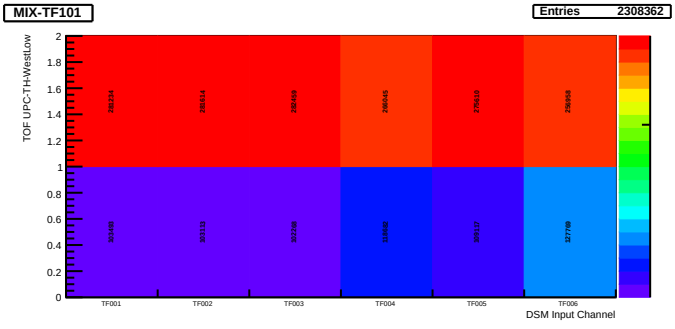

MIX-TF004
Entries 8079267
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

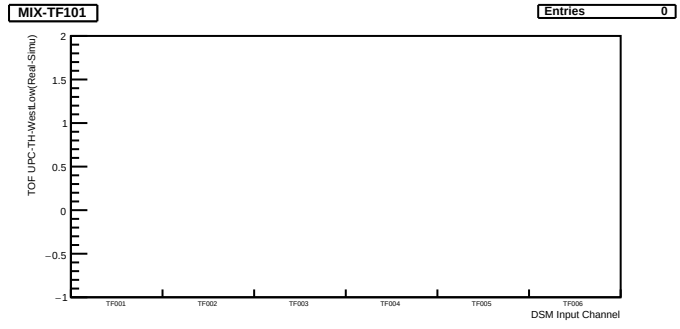

MIX-TF005
Entries 8079267
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

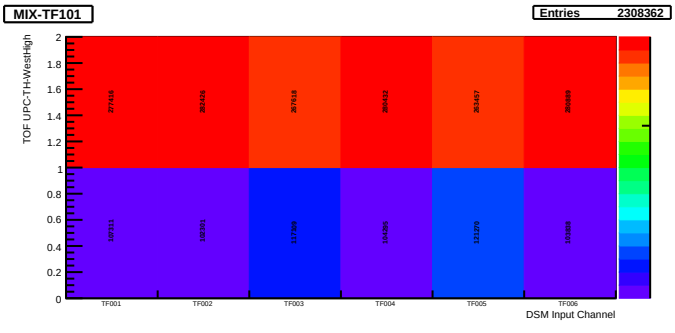

MIX-TF006
Entries 8079267
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

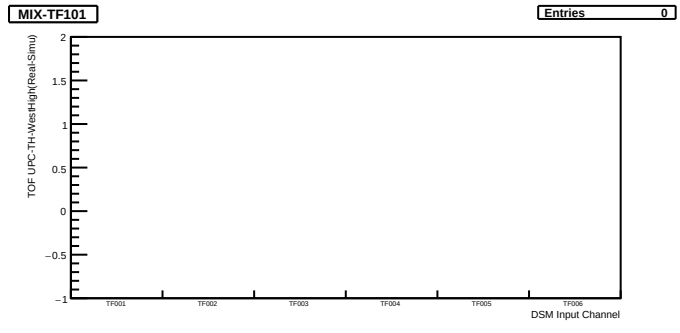

MIX-TF101
Entries 2308362
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

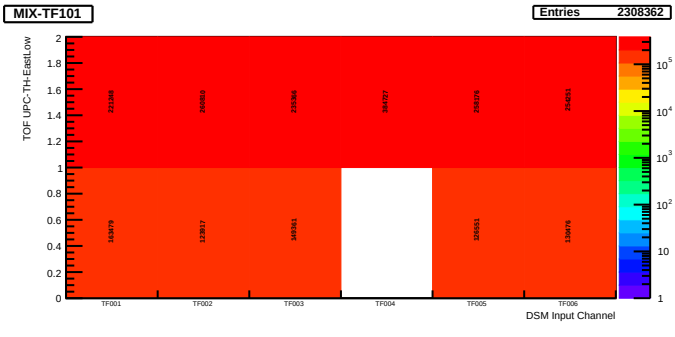

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

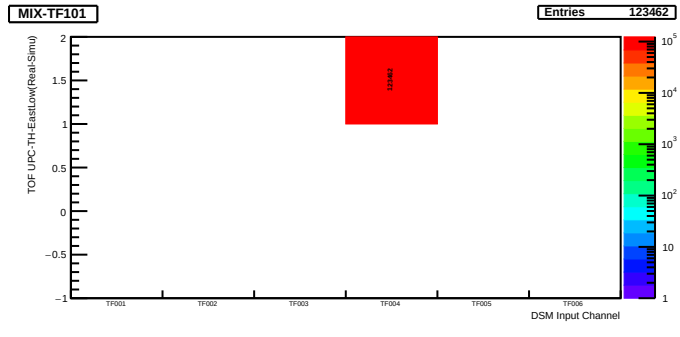

MIX-TF101
Entries 2308362
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

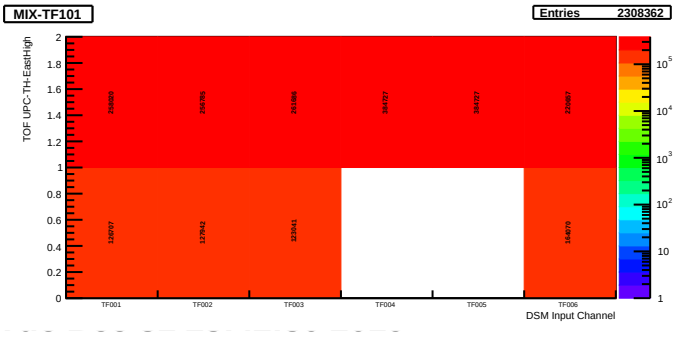

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

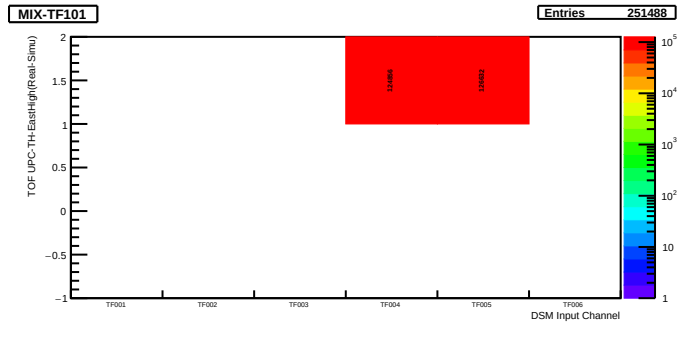

MIX-TF101
Entries 2308362
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

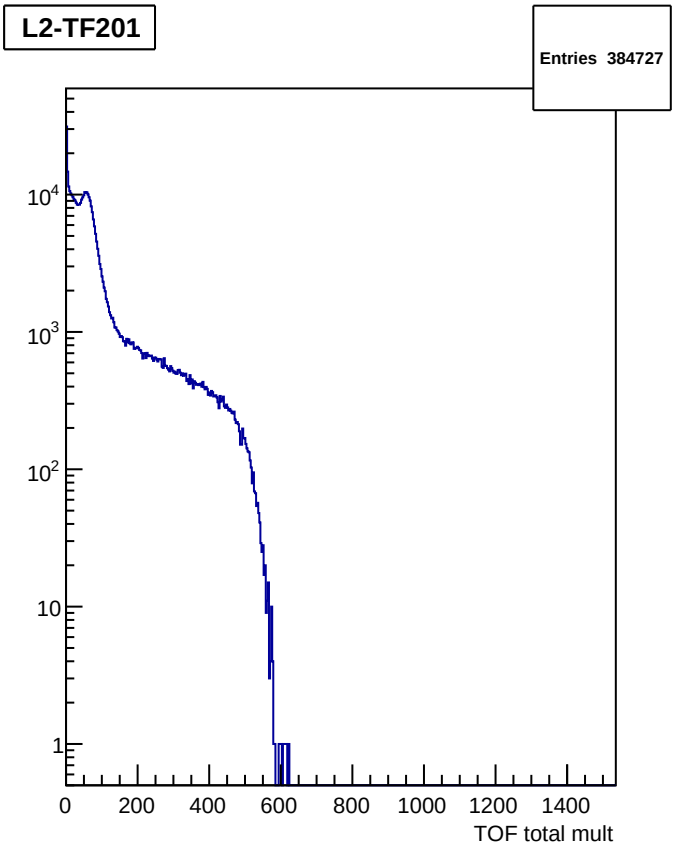

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

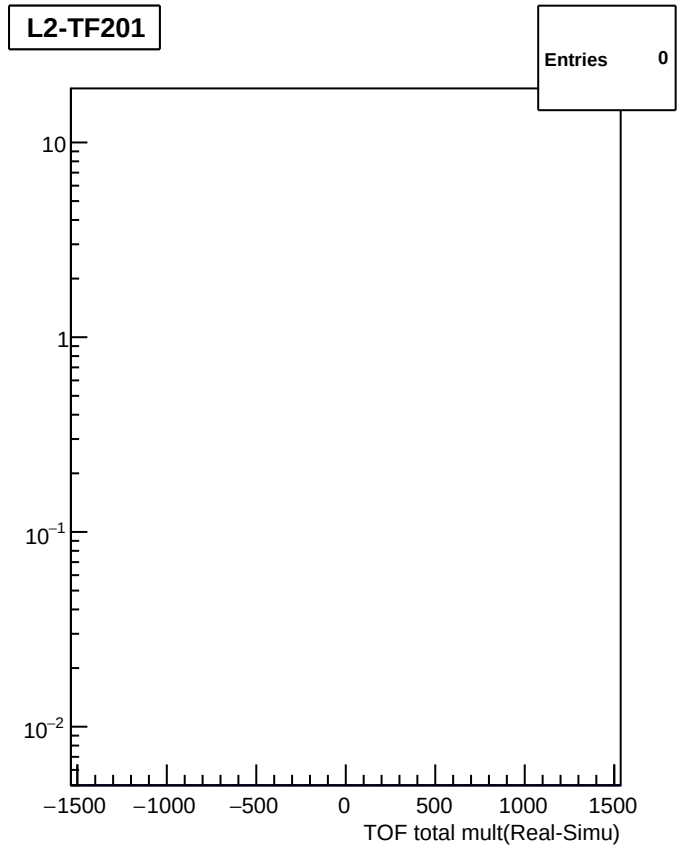

MIX-TF101
Entries 2308362
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

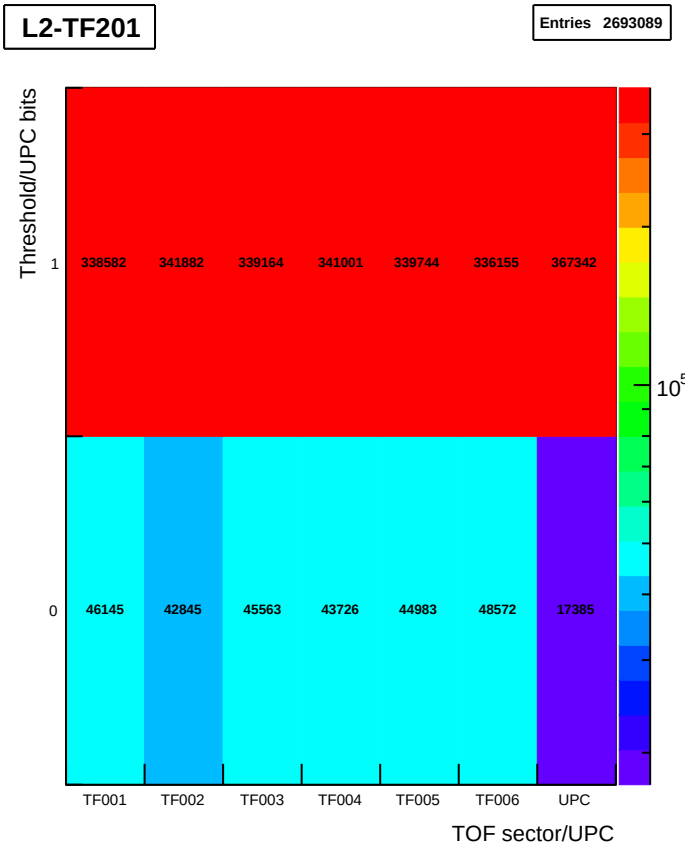

MIX-TF101
Entries 123462
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

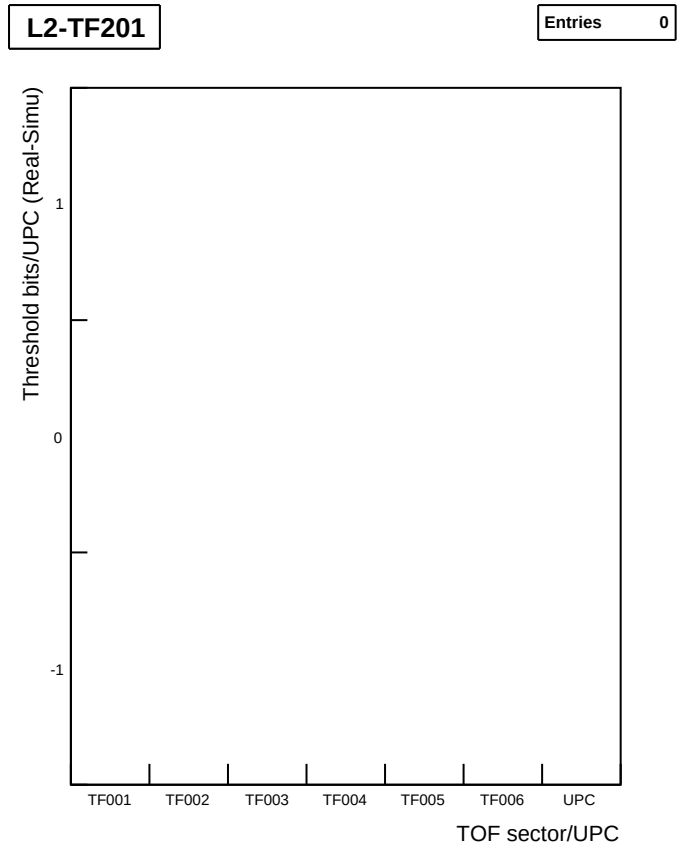

MIX-TF101
Entries 2308362
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

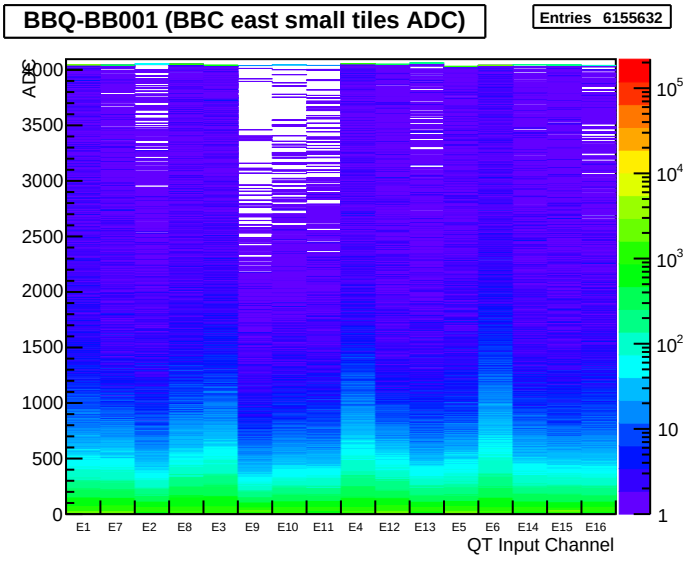

MIX-TF101
Entries 251488
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

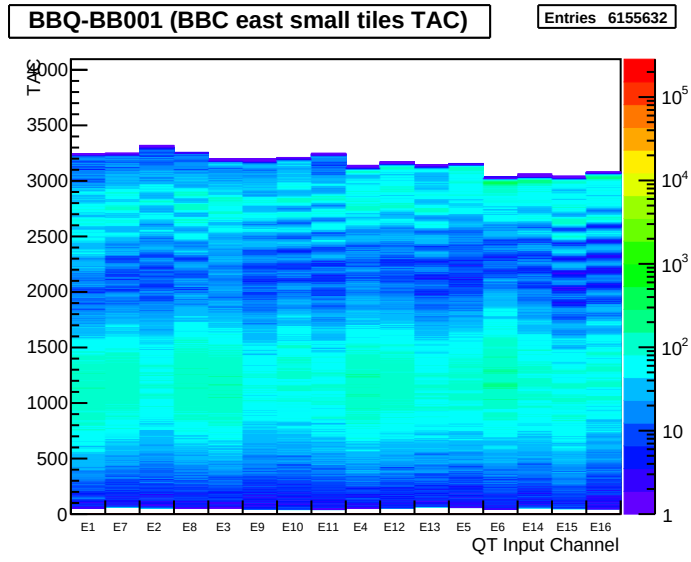

L2-TF201
Entries 384727
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

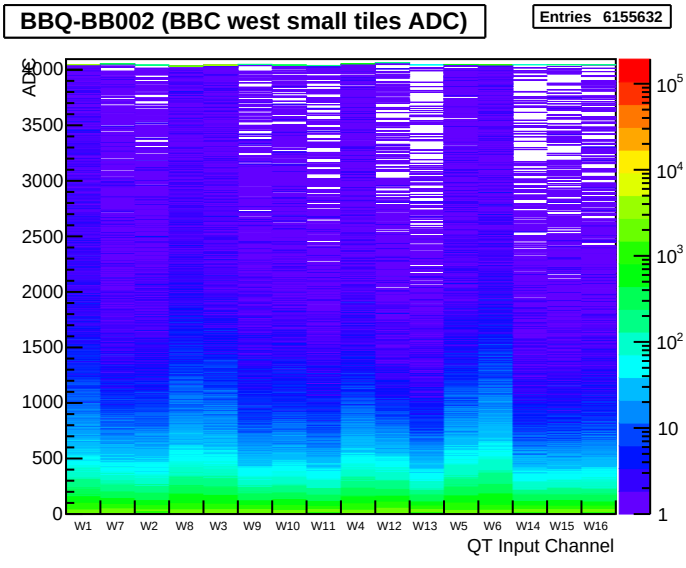

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

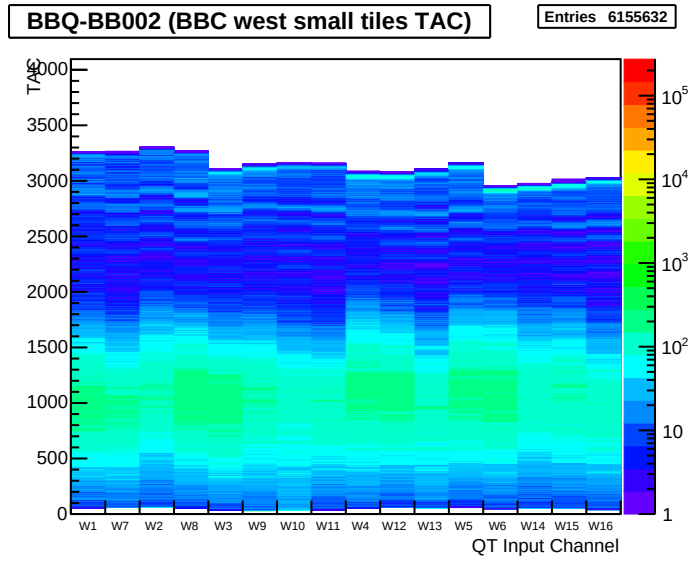

L2-TF201
Entries 2693089
Threshold/UPC bits
1
0
338582
341882
339164
341001
339744
336155
367342
46145
42845
45563
43726
44983
48572
17385
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

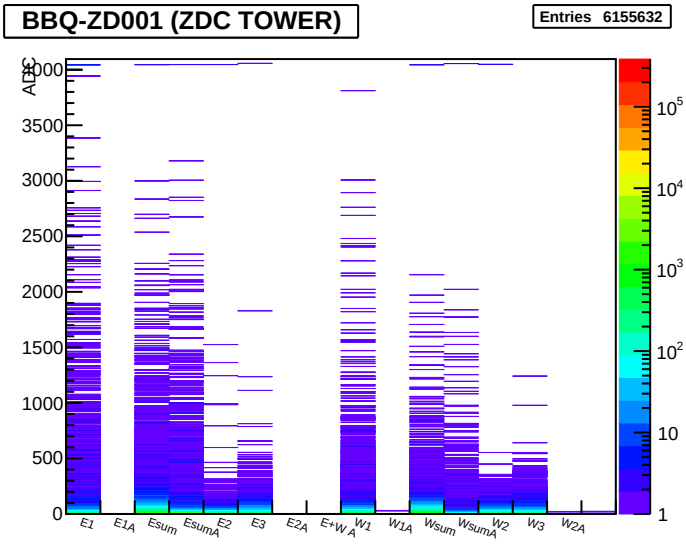

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

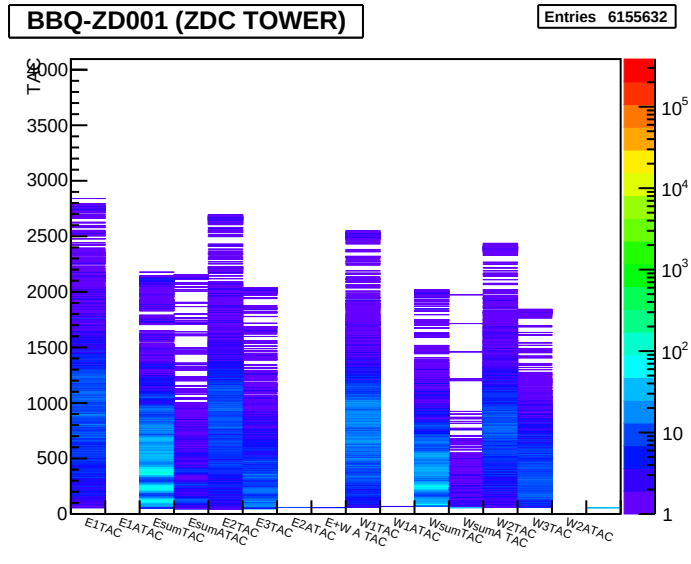

BBQ-BB001 (BBC east small tiles ADC)
Entries 6155632
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

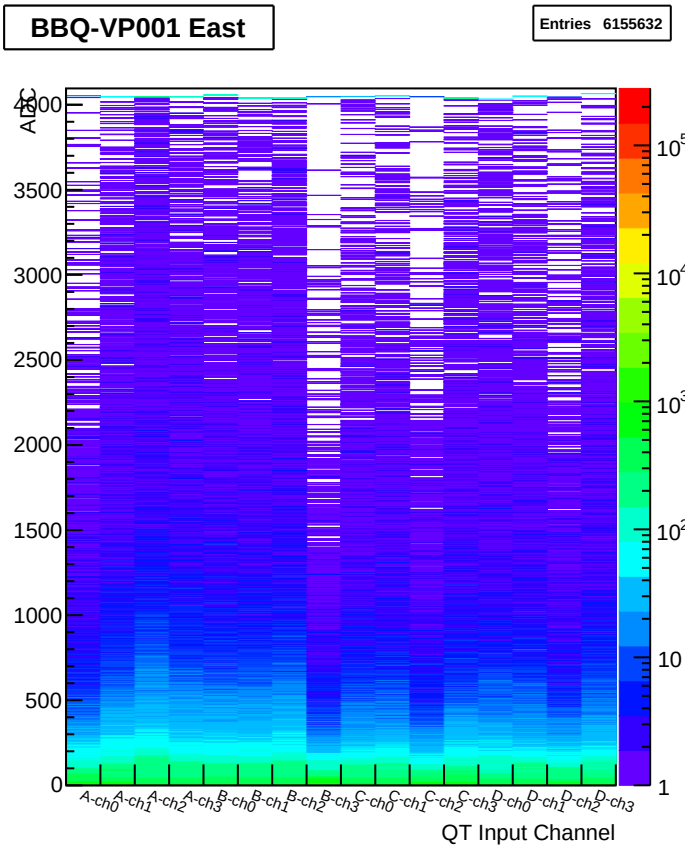

BBQ-BB001 (BBC east small tiles TAC)
Entries 6155632
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

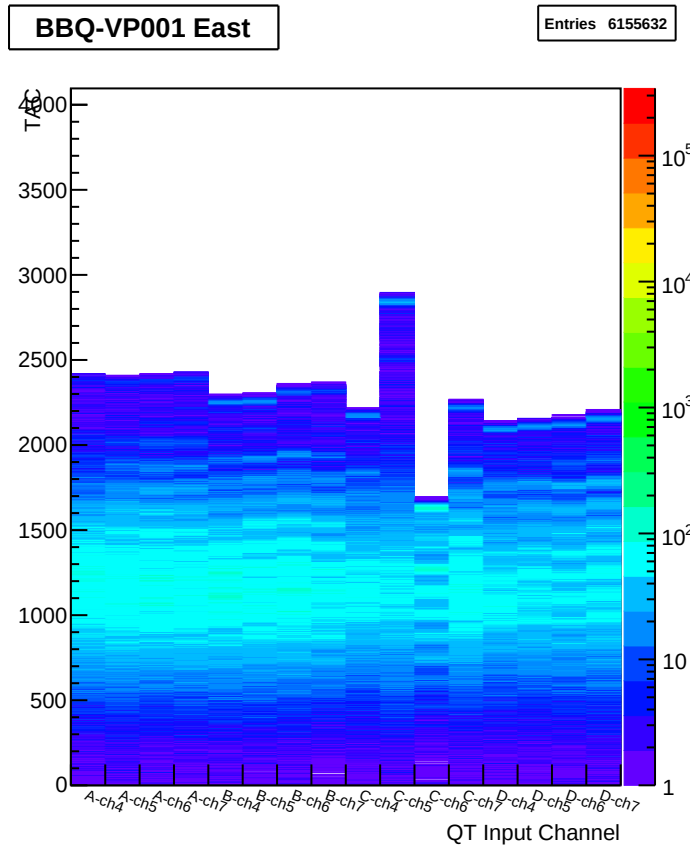

BBQ-BB002 (BBC west small tiles ADC)
Entries 6155632
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

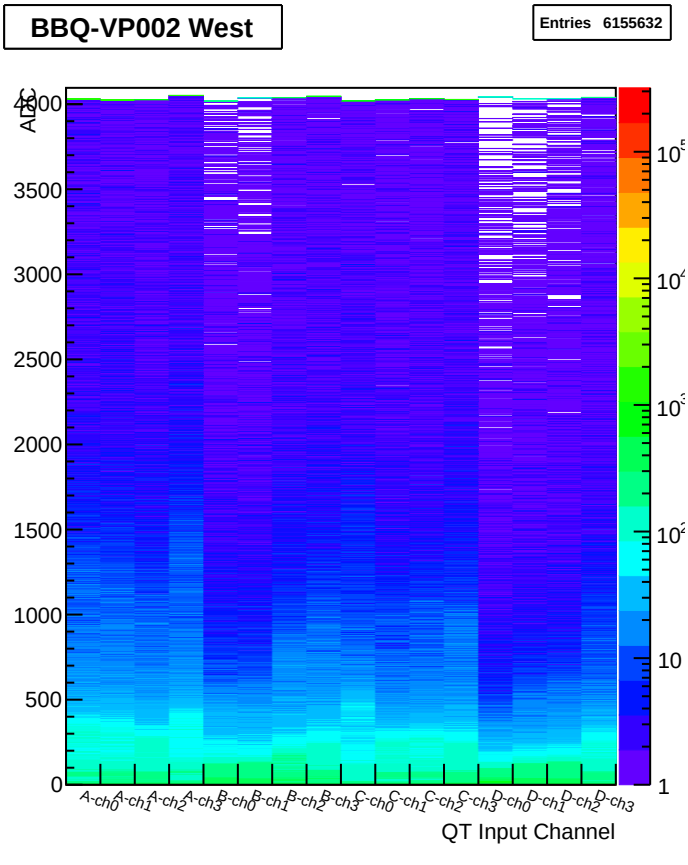

BBQ-BB002 (BBC west small tiles TAC)
Entries 6155632
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

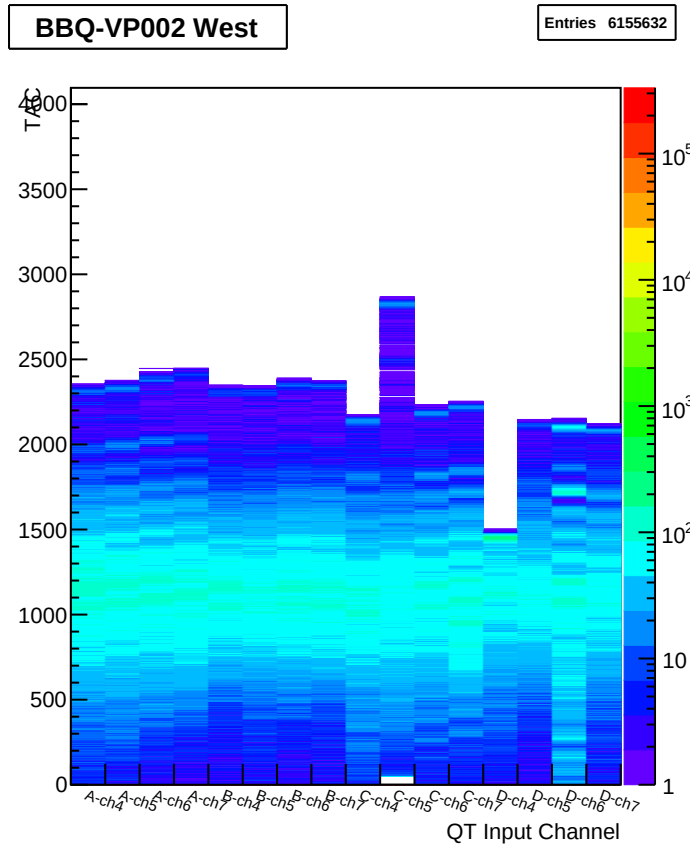

BBQ-ZD001 (ZDC TOWER)
Entries 6155632
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

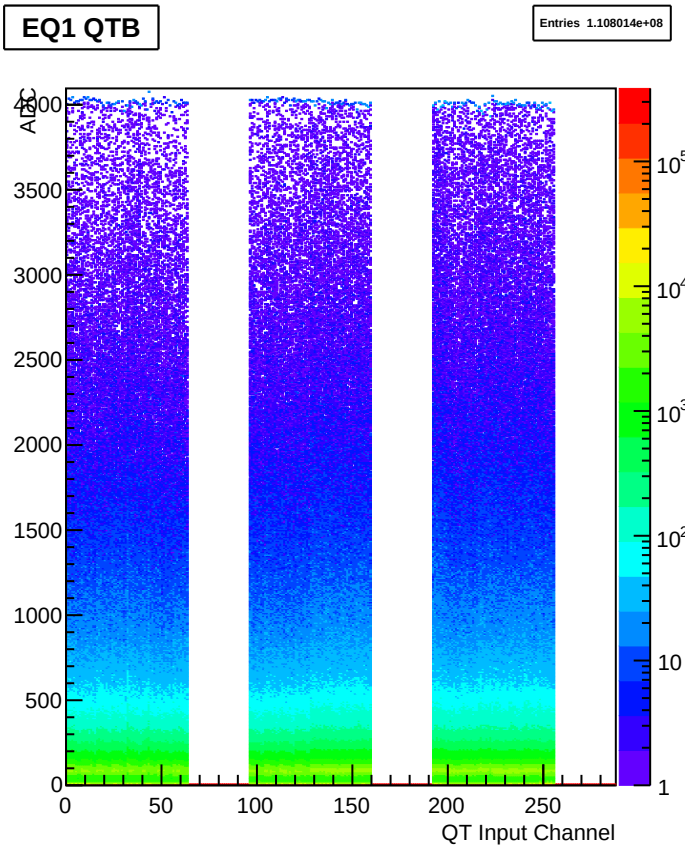

BBQ-ZD001 (ZDC TOWER)
Entries 6155632
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

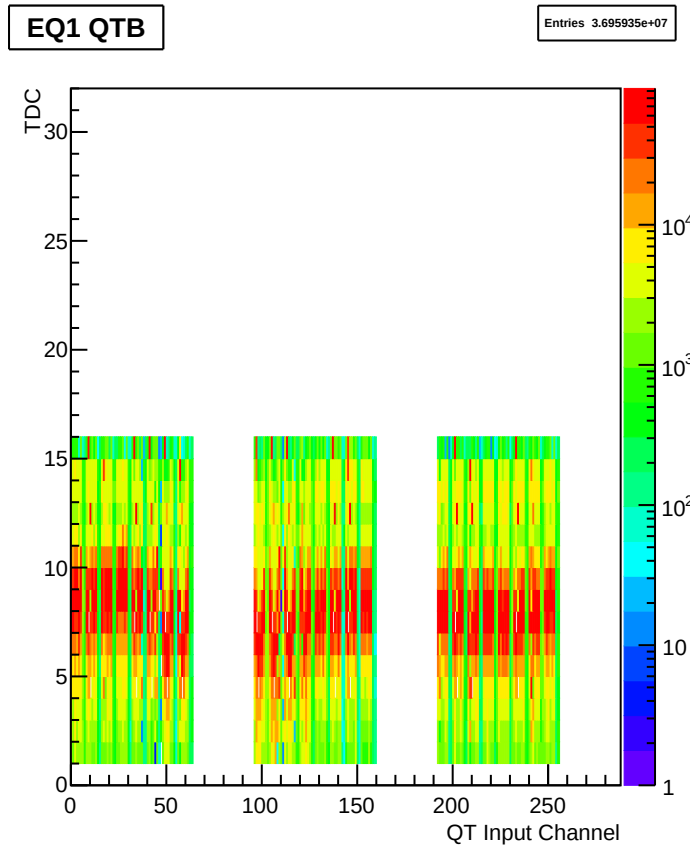

BBQ-VP001 East
Entries 6155632
ADC
QT Input Channel

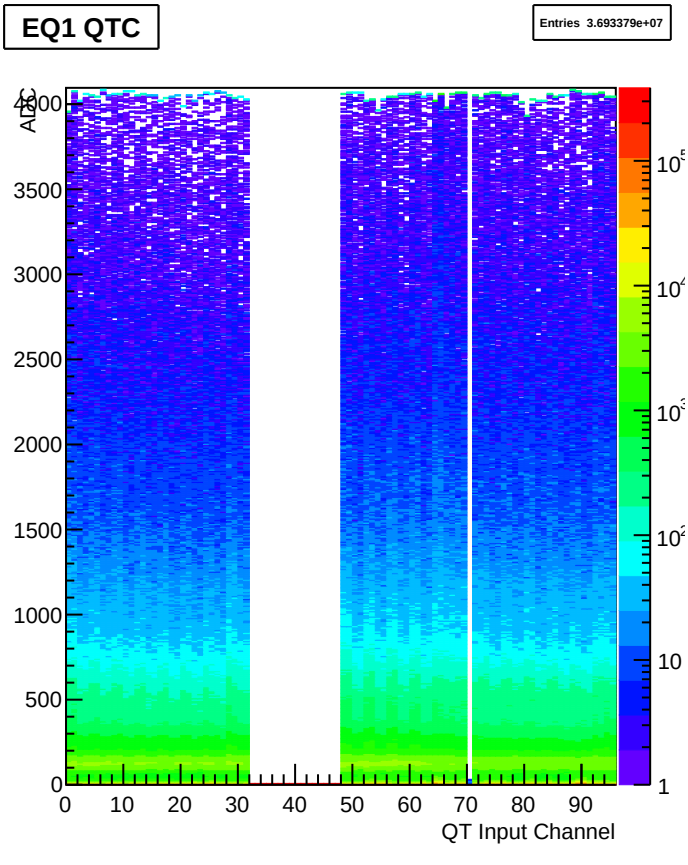

BBQ-VP001 East
Entries 6155632
TADC
QT Input Channel

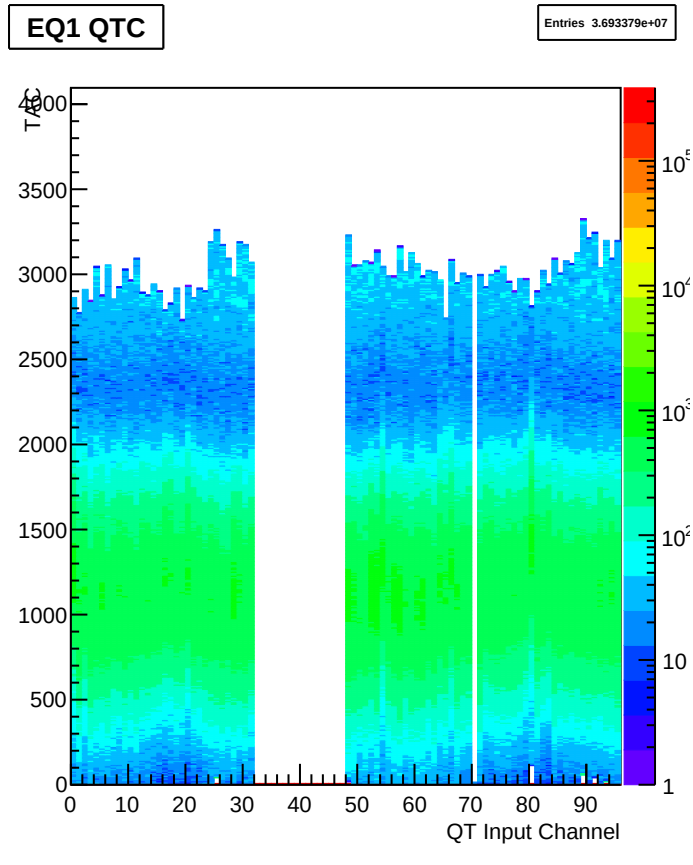

BBQ-VP002 West
Entries 6155632
ADC
QT Input Channel

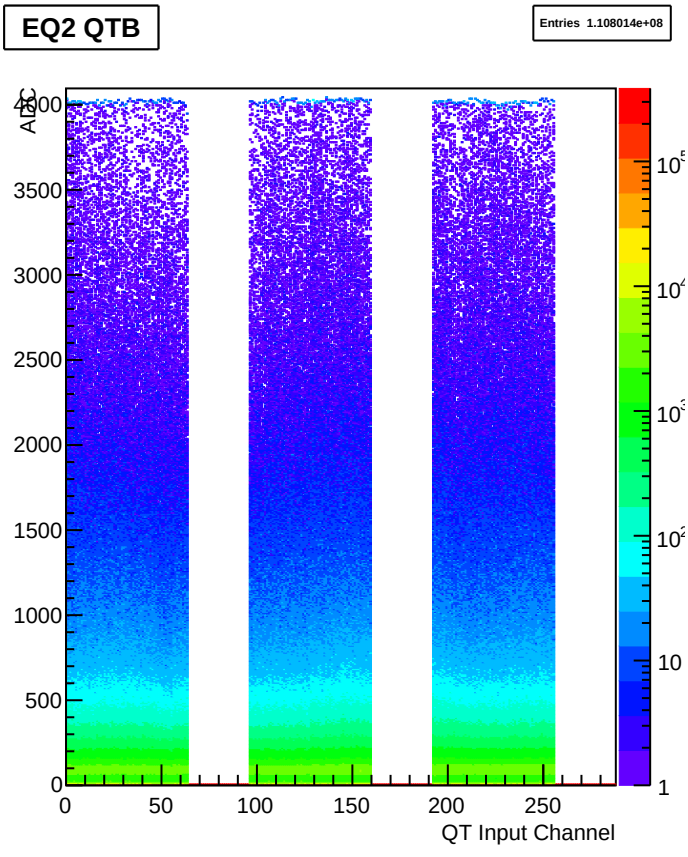

BBQ-VP002 West
Entries 6155632
TADC
QT Input Channel

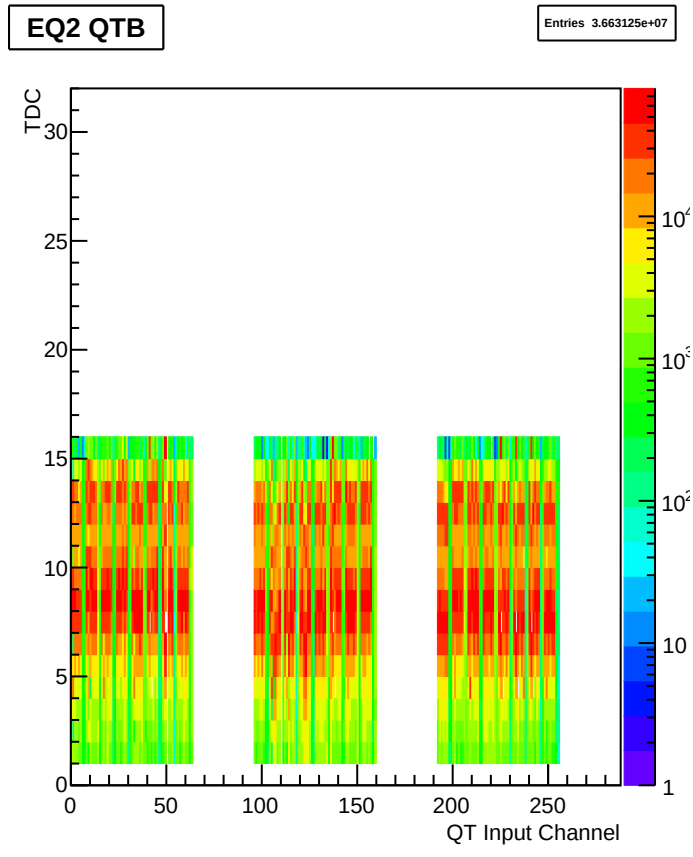

EQ1 QTB
Entries 1.108014e+08
ADC
QT Input Channel

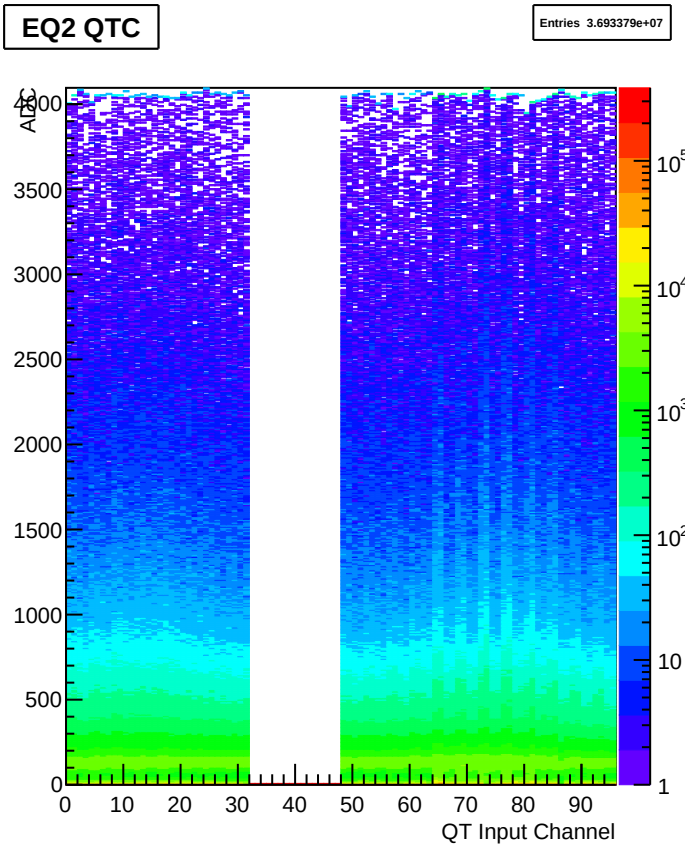

EQ1 QTB
Entries 3.695935e+07
TDC
QT Input Channel

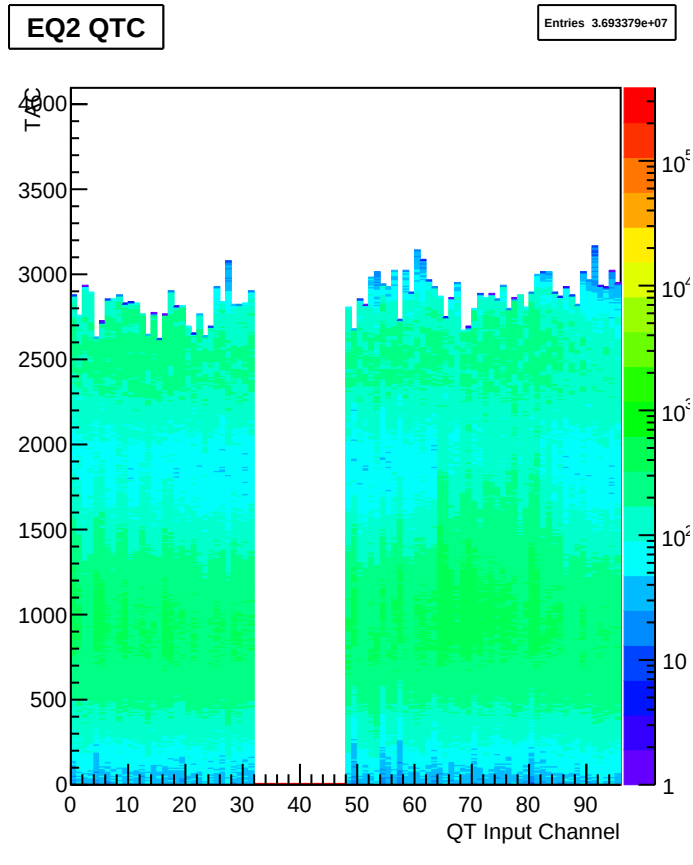

EQ1 QTC
Entries 3.693379e+07
ADC
QT Input Channel

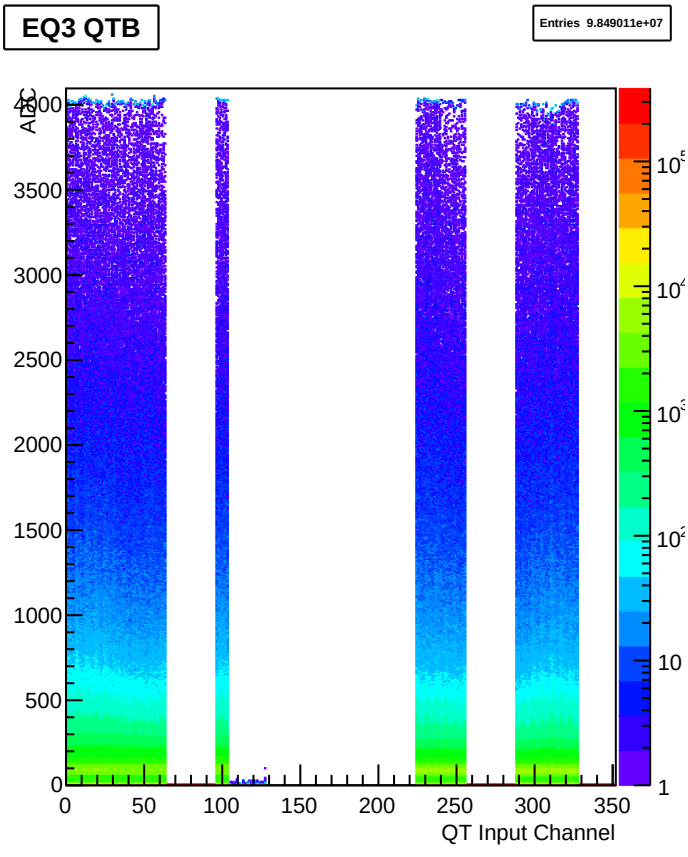

EQ1 QTC
Entries 3.693379e+07
TADC
QT Input Channel

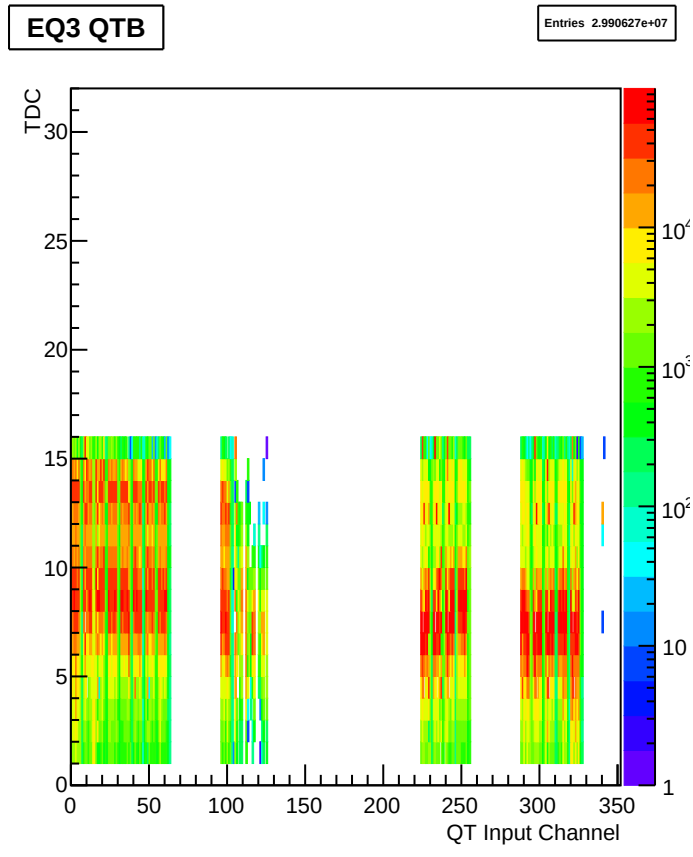

EQ2 QTB
Entries 1.108014e+08
ADC
QT Input Channel

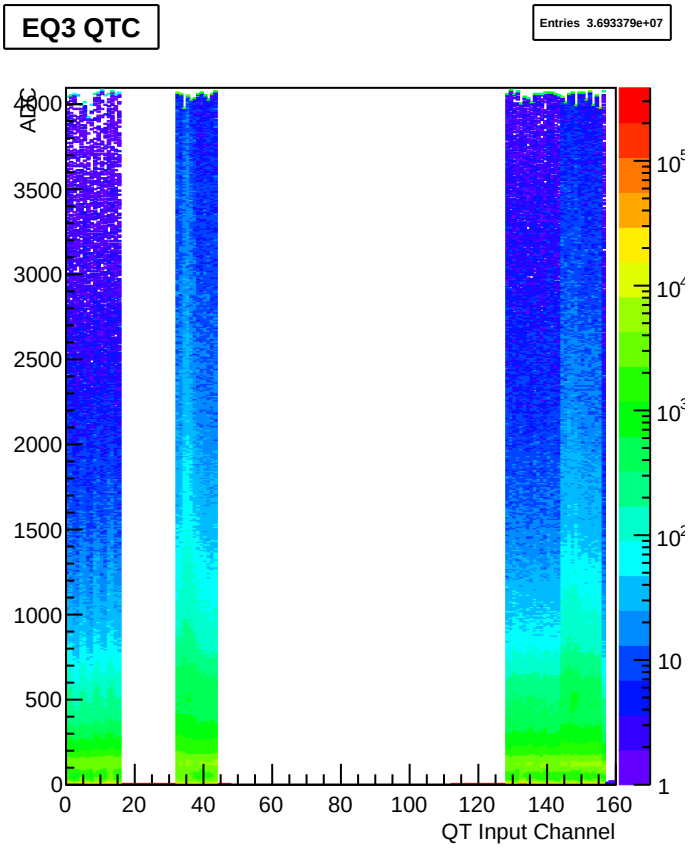

EQ2 QTB
Entries 3.663125e+07
TDC
QT Input Channel

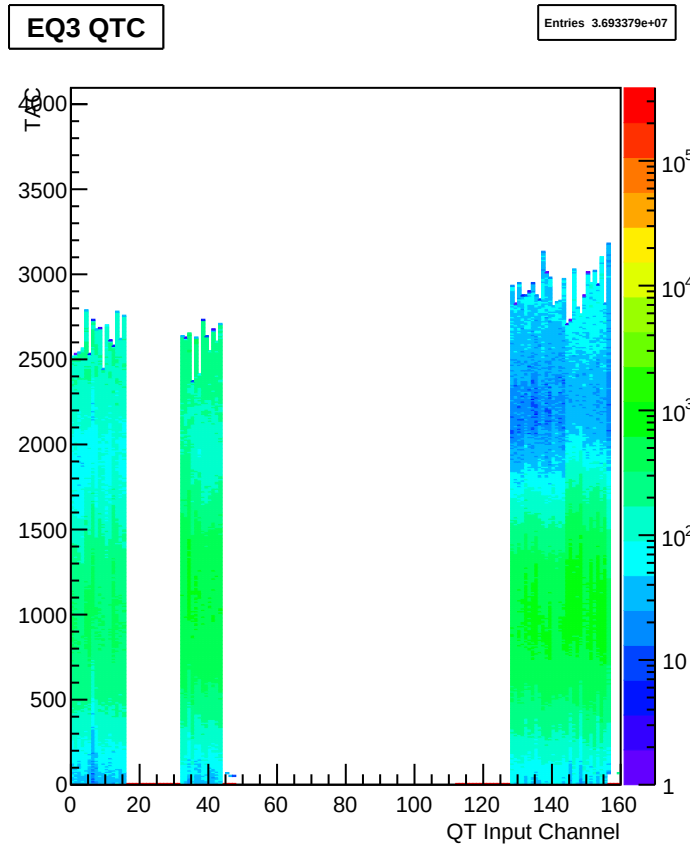

EQ2 QTC
Entries 3.693379e+07
ADC
QT Input Channel

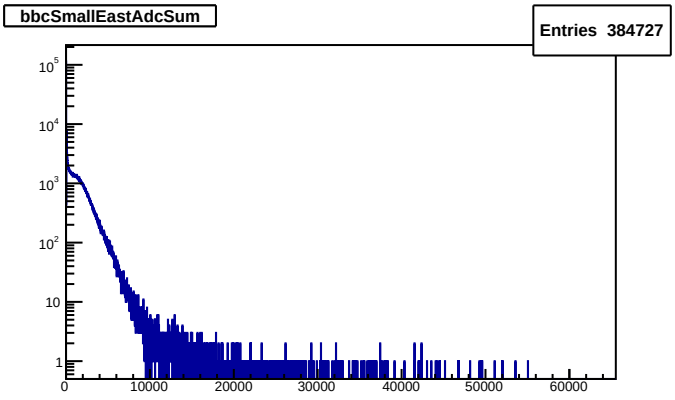

EQ2 QTC
Entries 3.693379e+07
TADC
QT Input Channel

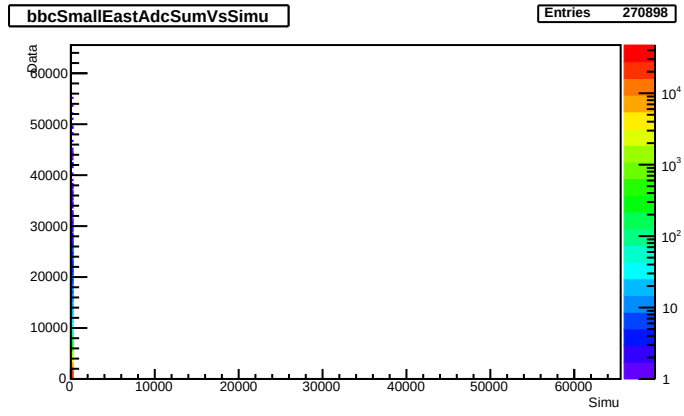

EQ3 QTB
Entries 9.849011e+07
ADC
QT Input Channel

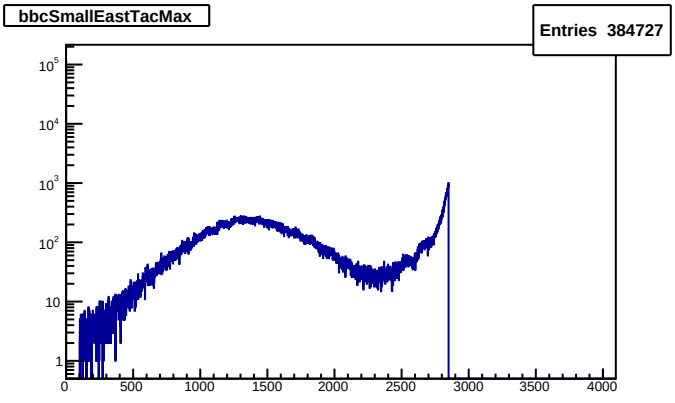

EQ3 QTB
Entries 2.990627e+07
TDC
QT Input Channel

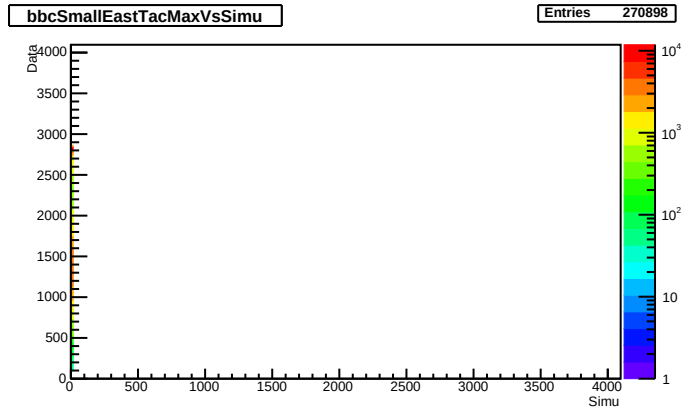

EQ3 QTC
Entries 3.693379e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.693379e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 384727


bbcSmallEastAdcSumVsSimu
Entries 270898
Data
Simu


bbcSmallEastTacMax
Entries 384727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Entries 270898
Data
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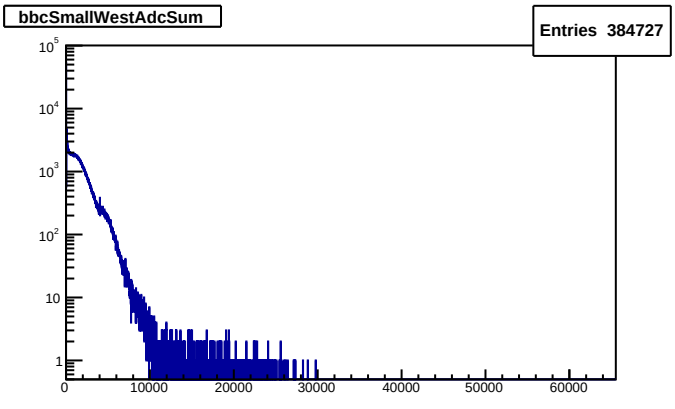
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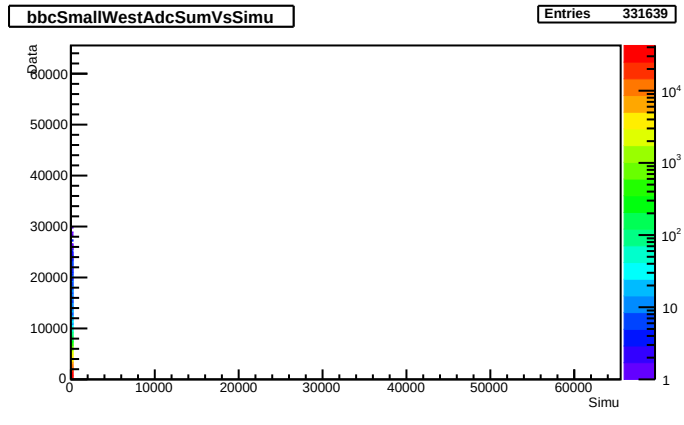
Entries 384727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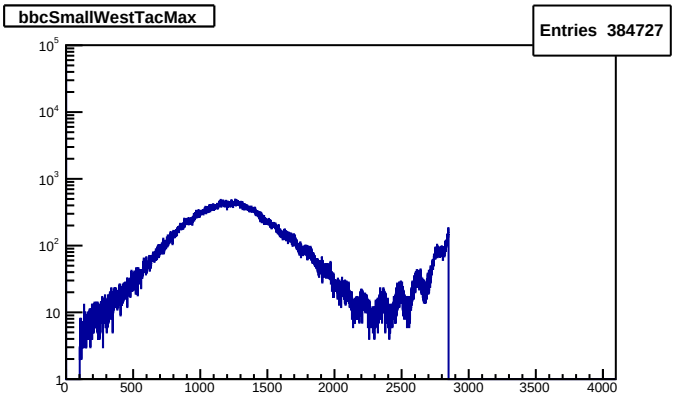
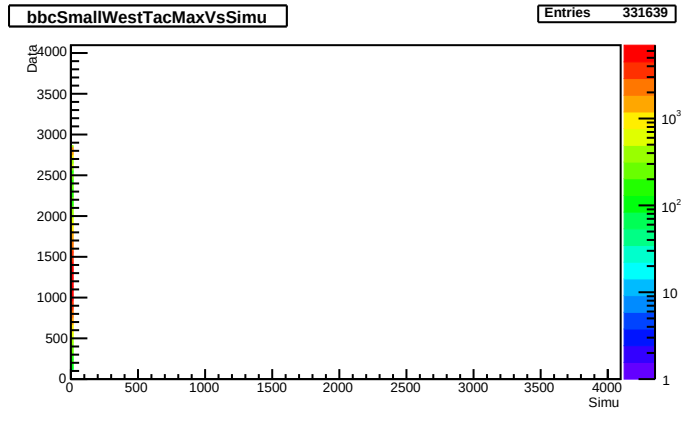
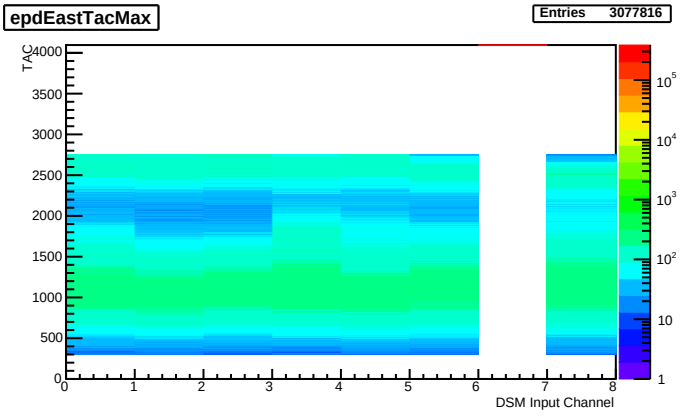
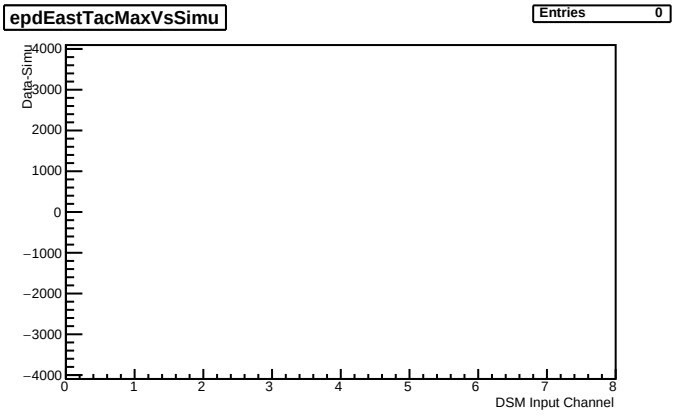
Entries 331639
Data
Simu


bbcSmallWestTacMax
Entries 384727


bbcSmallWestTacMaxVsSimu
Entries 331639
Data
Simu


epdEastTacMax
Entries 3077816
TAC
DSM Input Channel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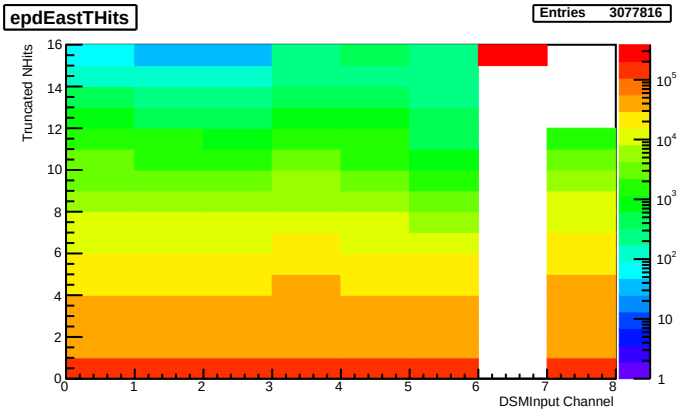
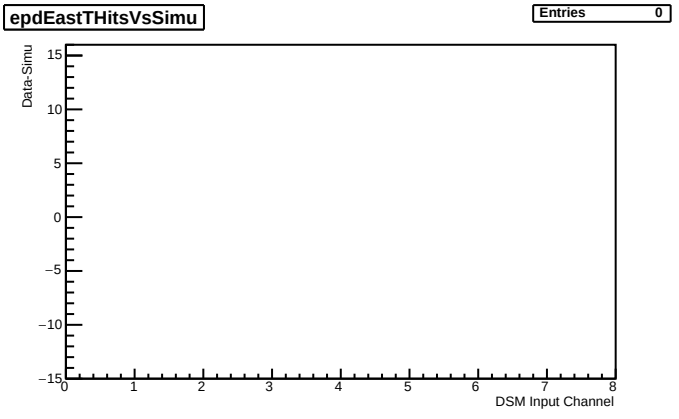
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3077816
Truncated NHits
DSMInput Channel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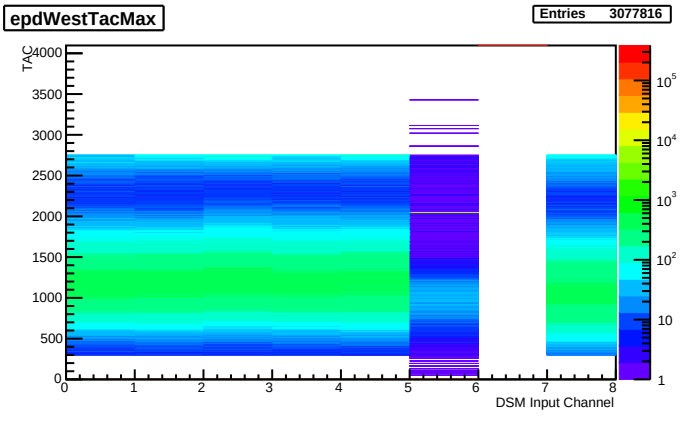
DSM Input Channel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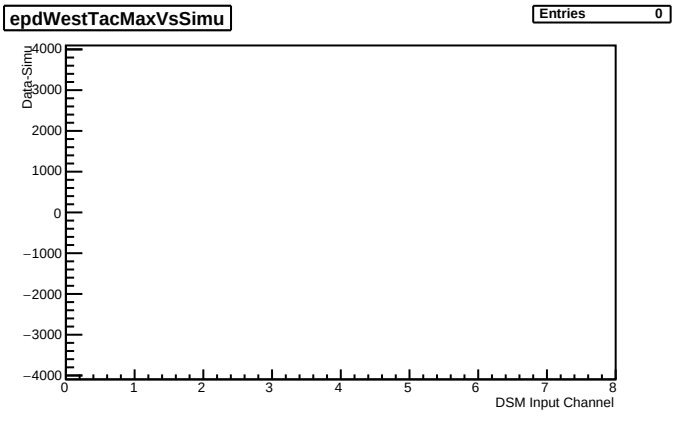
DSM Input Channel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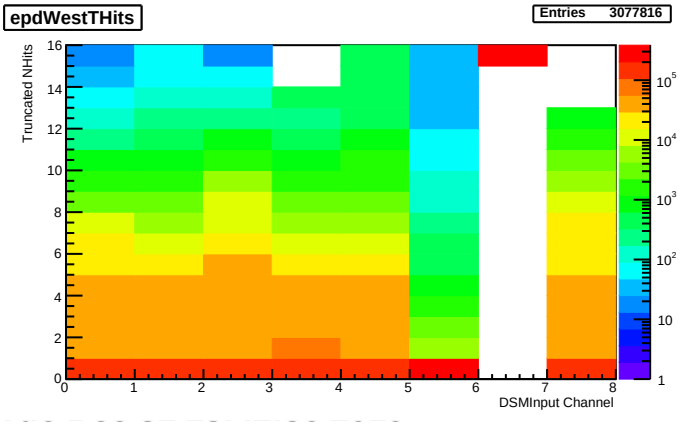
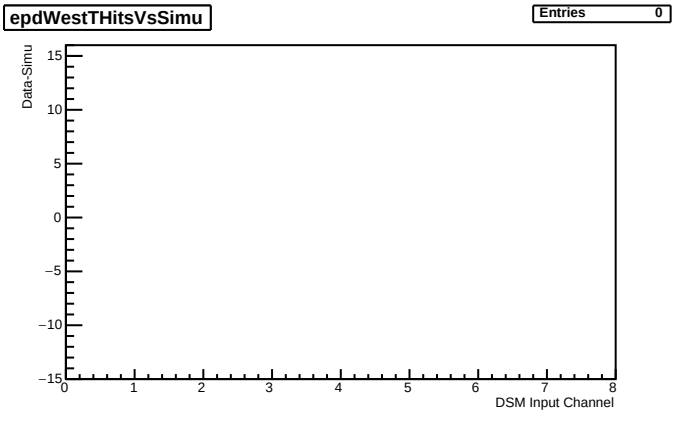
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3077816
Truncated NHits
DSMInput Channel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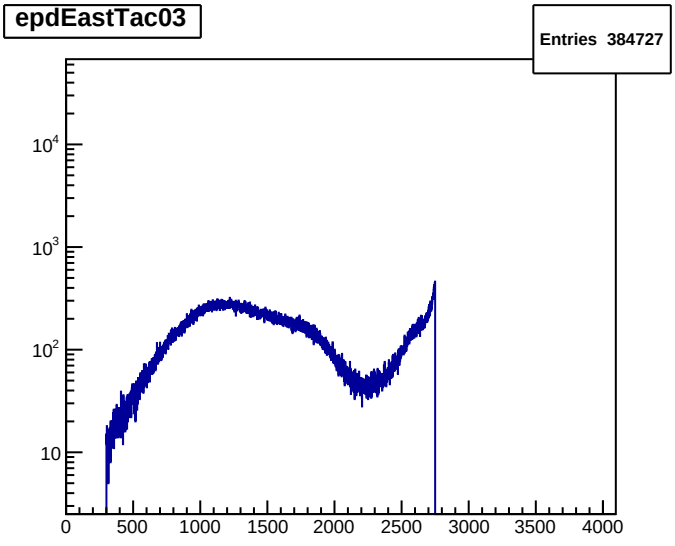
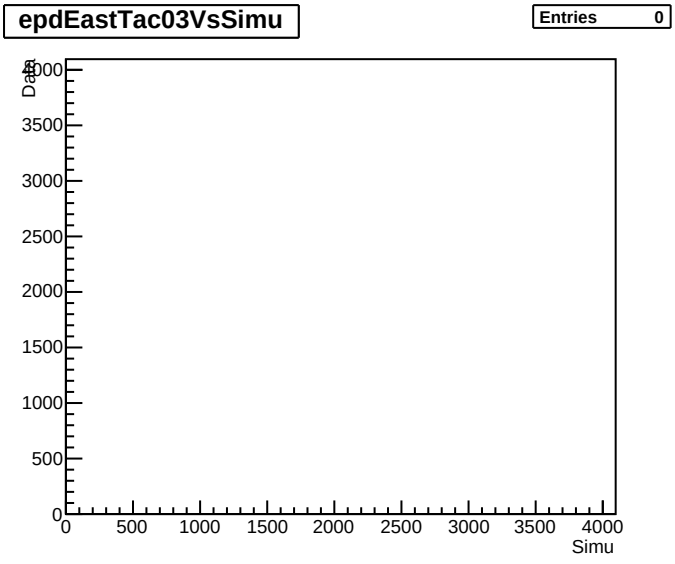
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 384727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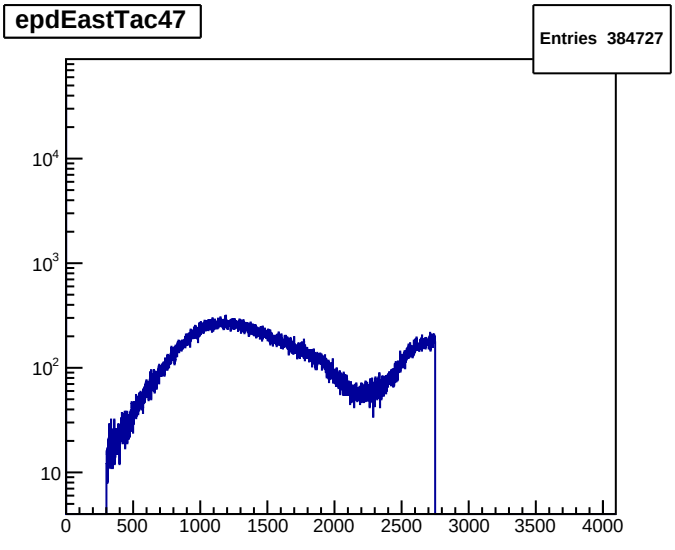
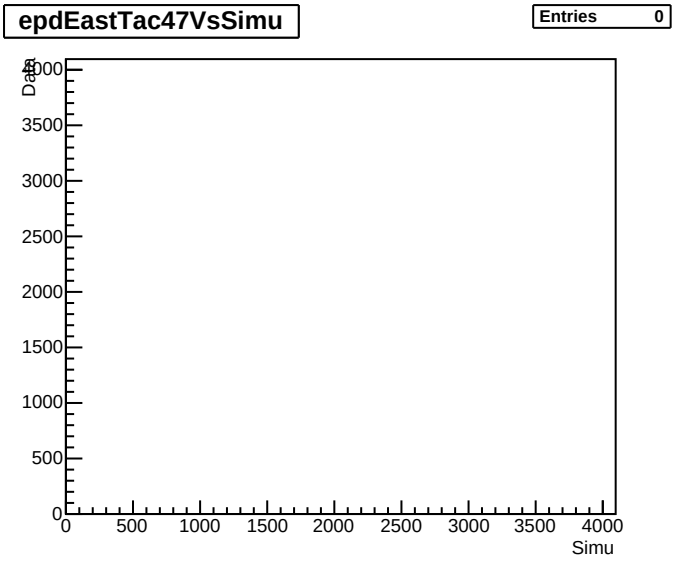
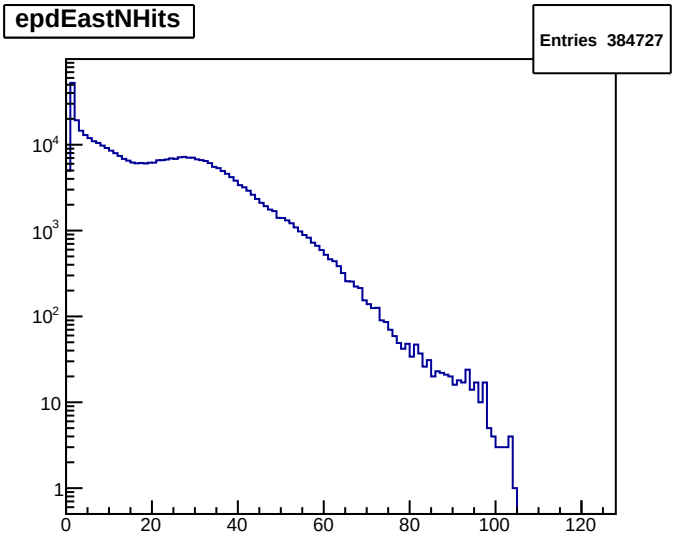
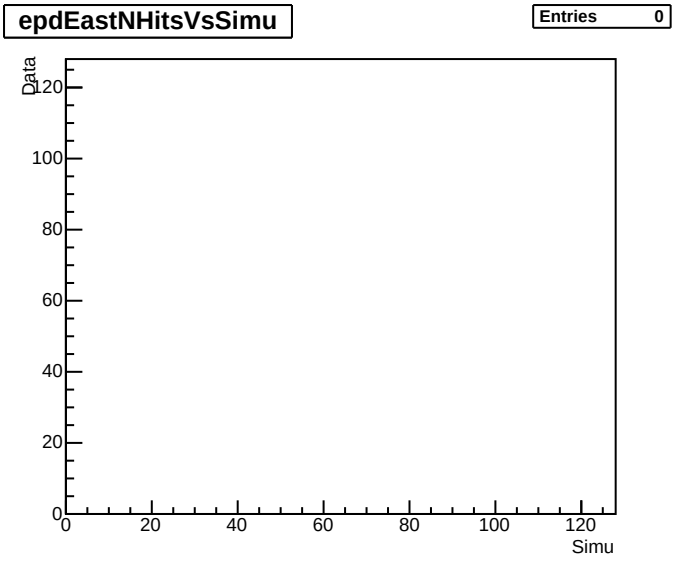
Entries 0
Data
Simu


epdEastTac47
Entries 384727


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 384727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Entries 0
Data
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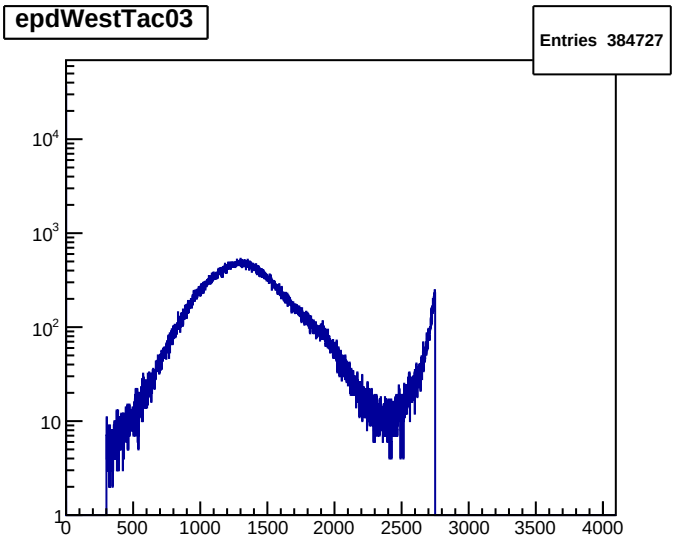
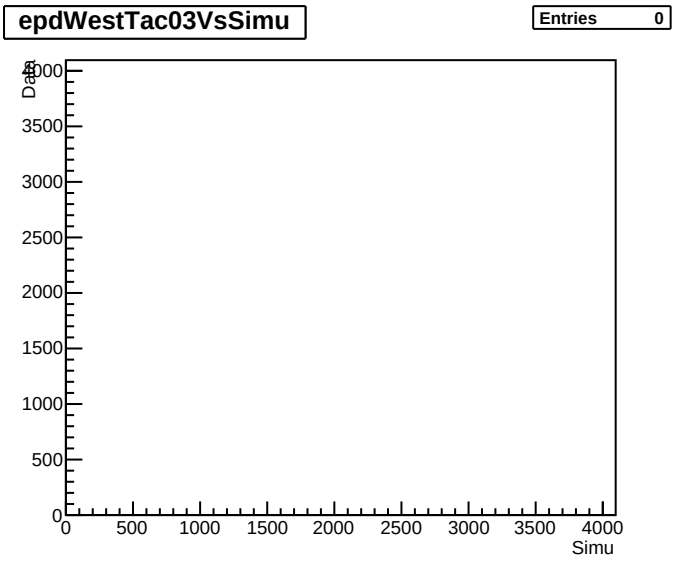

epdWestTac03
Entries 384727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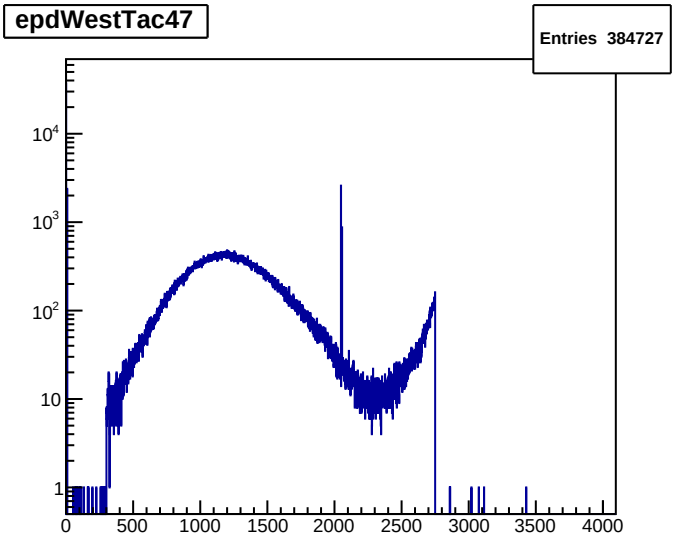
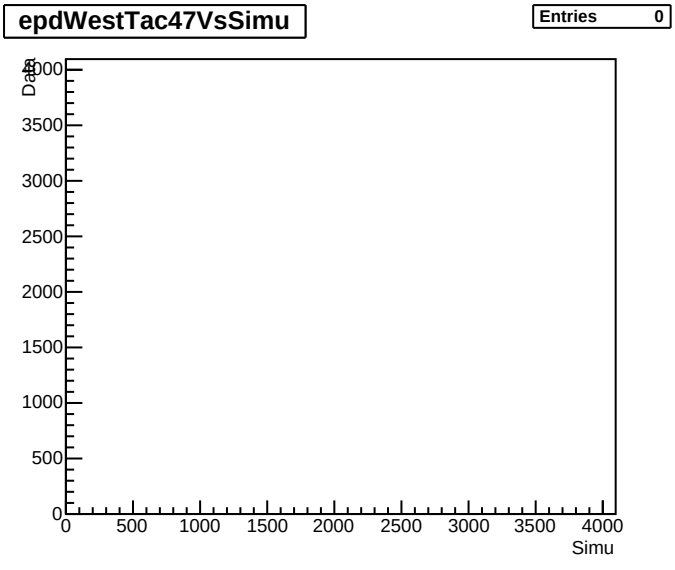
Entries 0
Data
Simu


epdWestTac47
Entries 384727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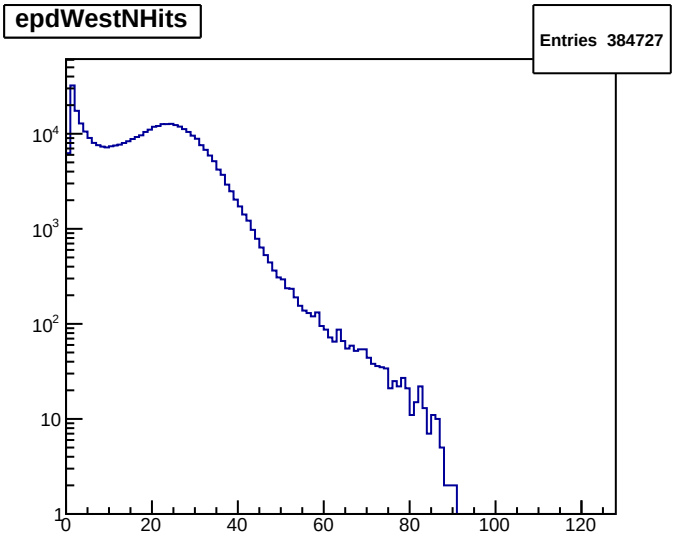
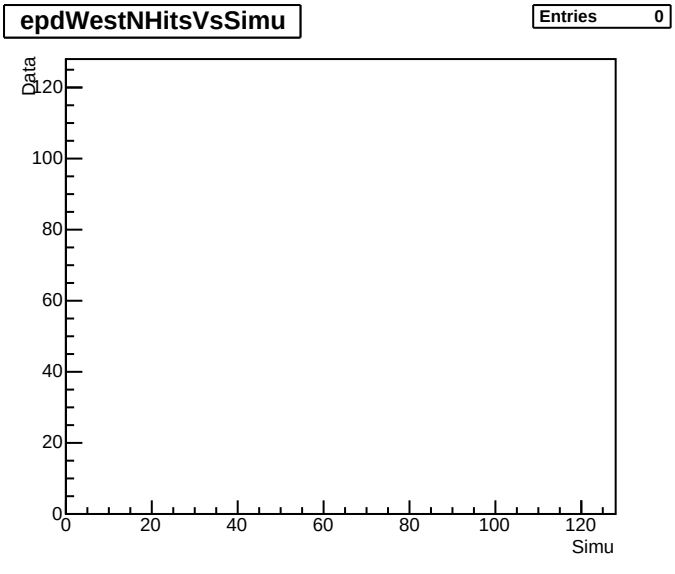
Entries 0
Data
Simu


epdWestNHits
Entries 384727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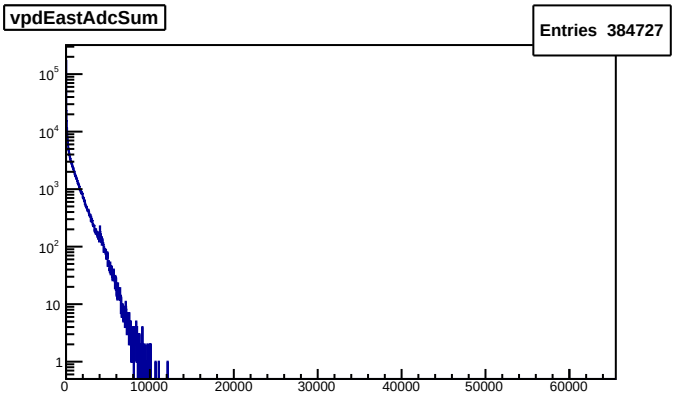
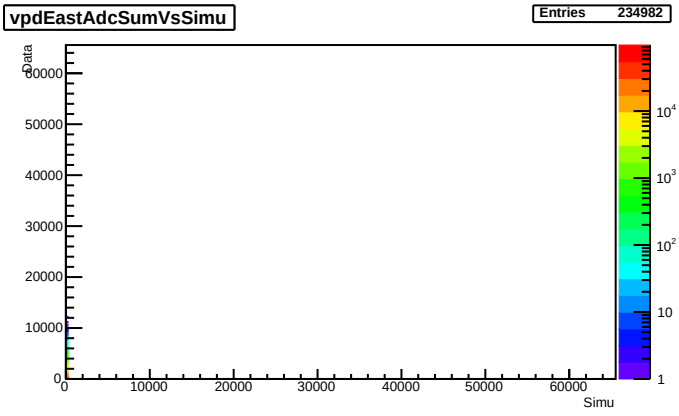
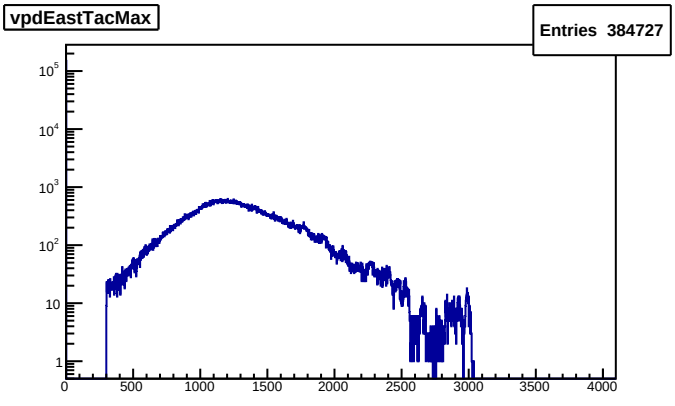
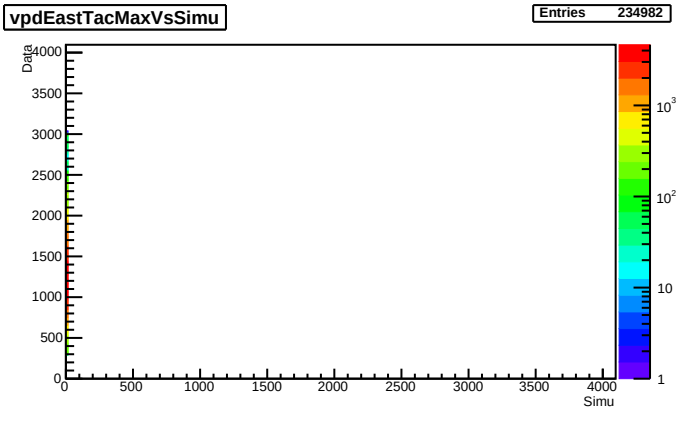
Entries 0
Data
Simu


vpdEastAdcSum
Entries 384727


vpdEastAdcSumVsSimu
Entries 234982
Data
Simu


vpdEastTacMax
Entries 384727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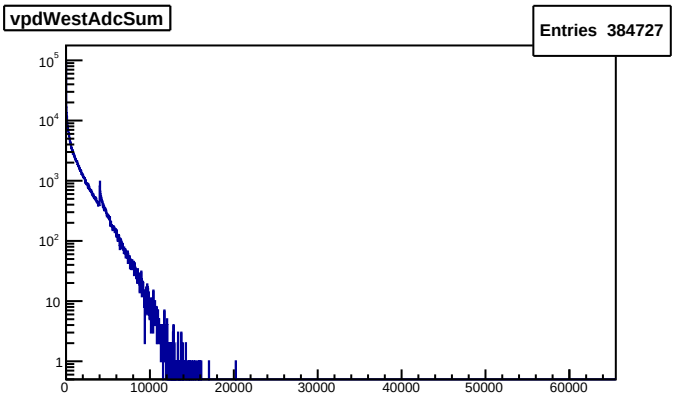
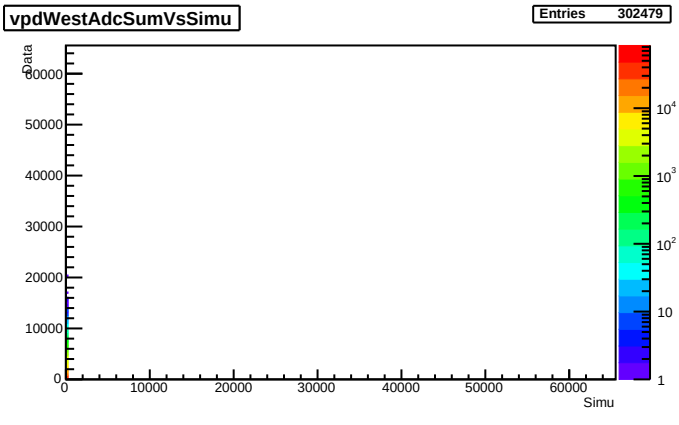
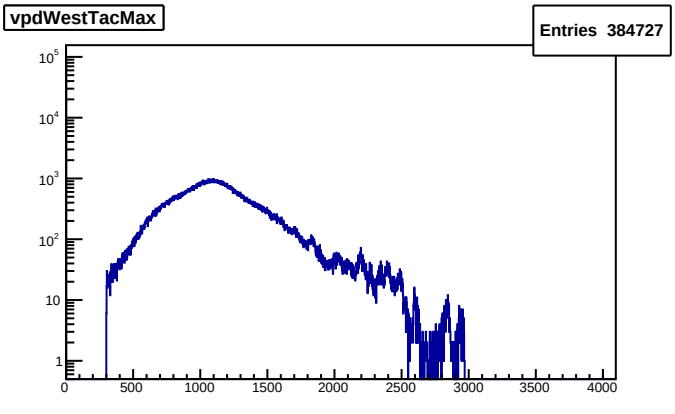
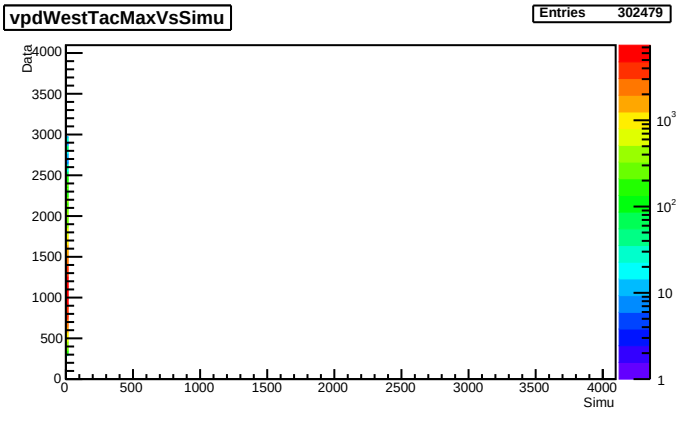
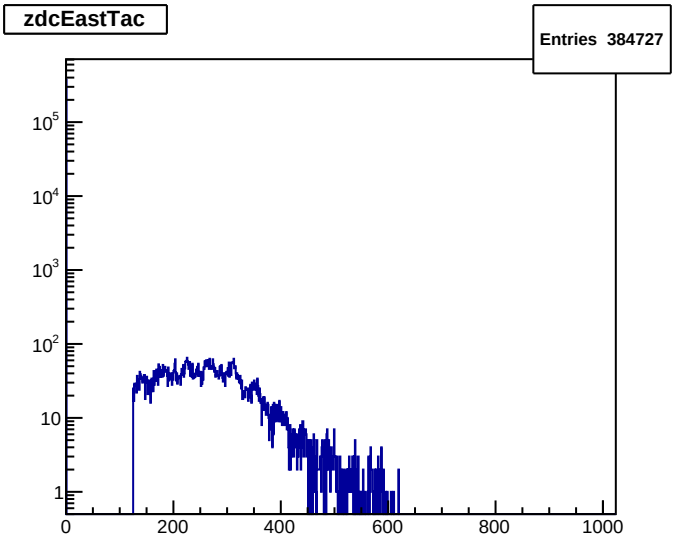
Entries 234982
Data
Simu

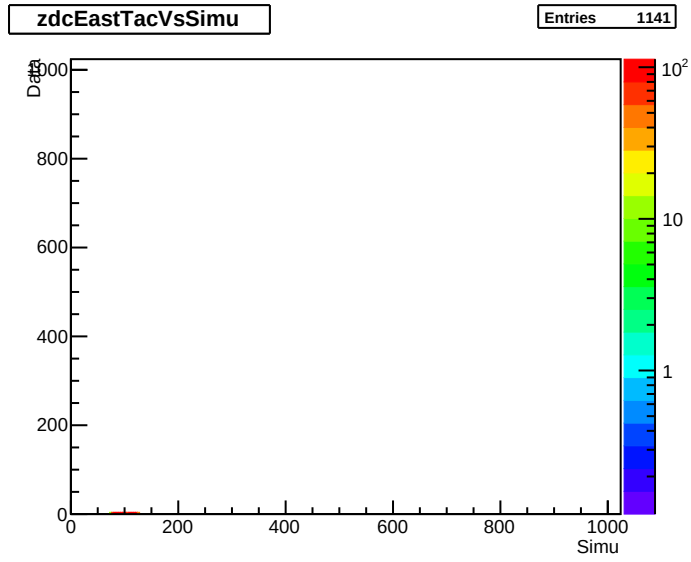

vpdWestAdcSum
Entries 384727

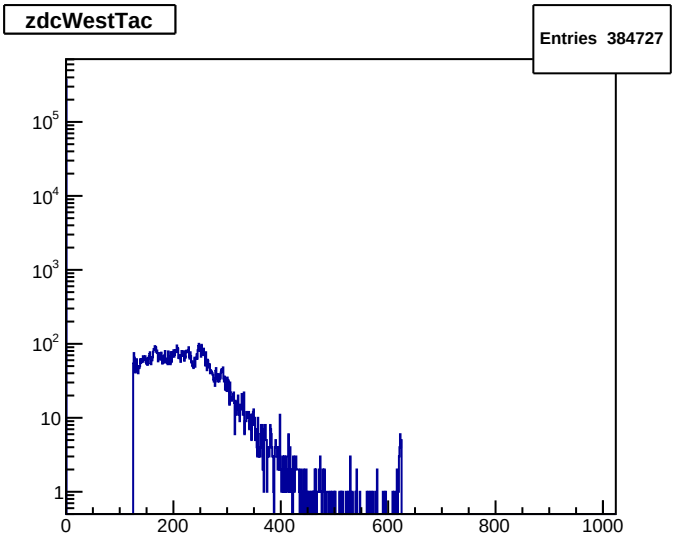

vpdWestAdcSumVsSimu
Entries 302479
Data
Simu

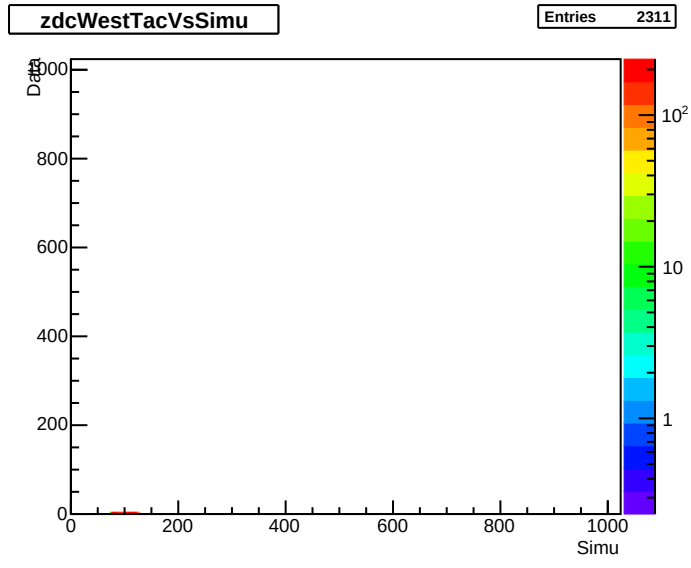

vpdWestTacMax
Entries 384727

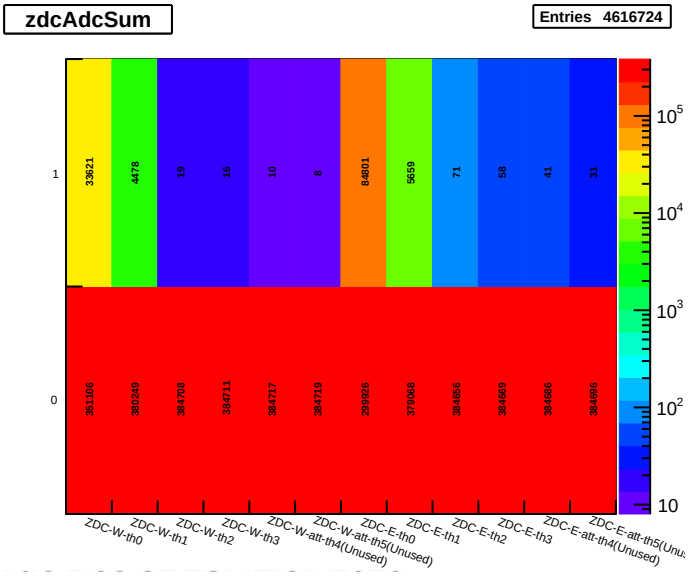

vpdWestTacMaxVsSimu
Entries 302479
Data
Simu

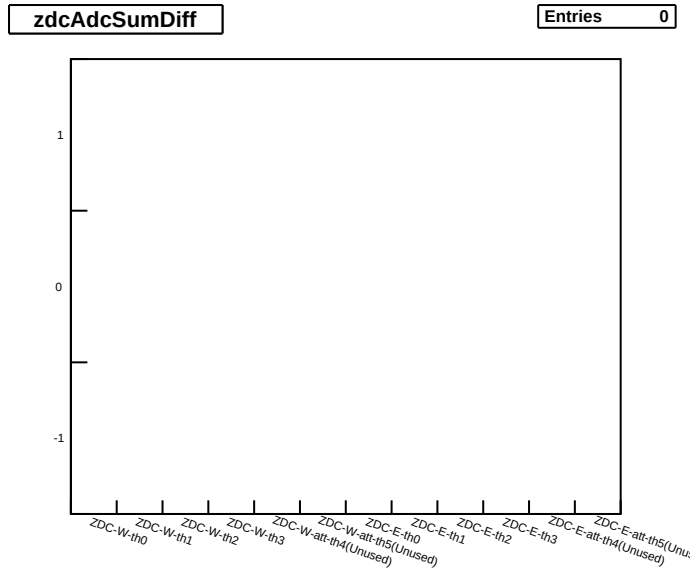

zdcEastTac
Entries 384727

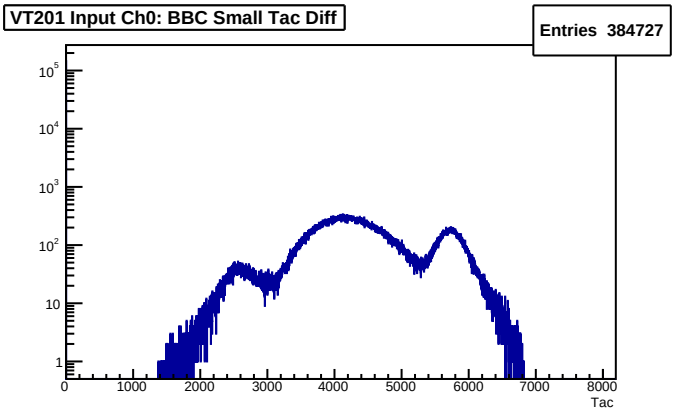

zdcEastTacVsSimu
Entries 1141
Data
Simu

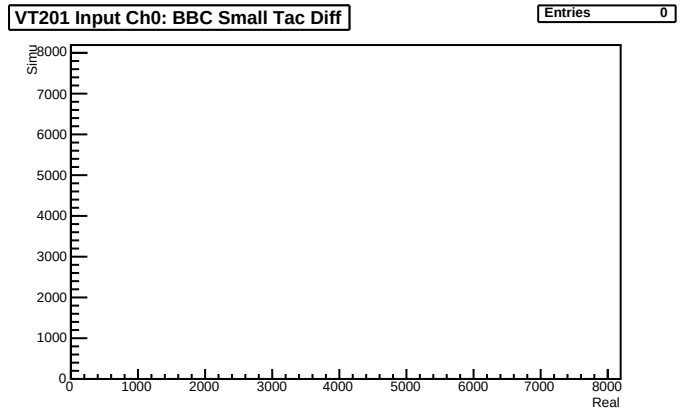

zdcWestTac
Entries 384727

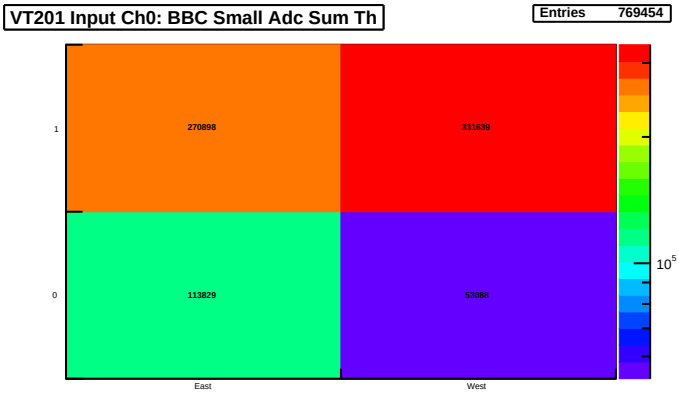

zdcWestTacVsSimu
Entries 2311
Data
Simu

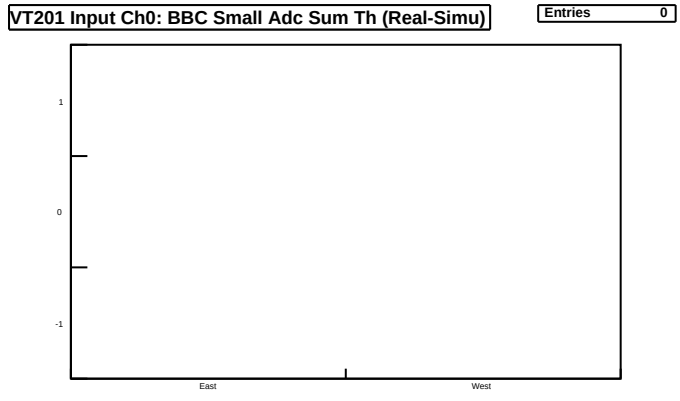

zdcAdcSum
Entries 4616724
33621
4478
19
16
10
8
84801
5659
71
58
41
31
351106
380249
384708
384711
384717
384719
299326
379068
384656
384669
384686
384696
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

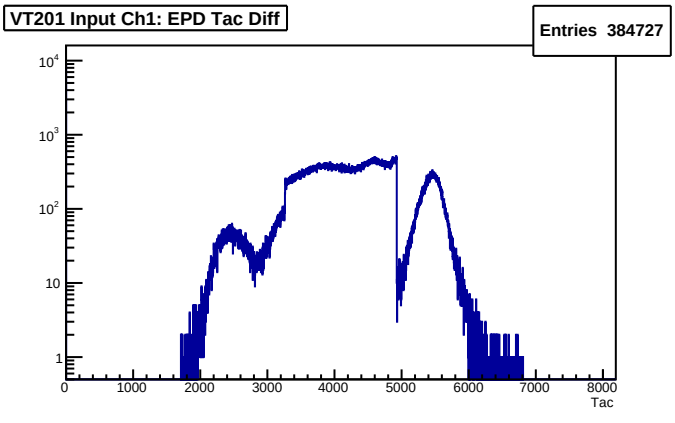

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

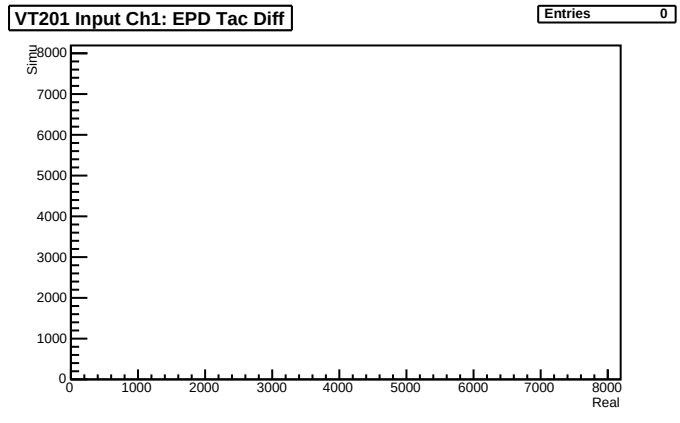

VT201 Input Ch0: BBC Small Tac Diff
Entries 384727
Tac

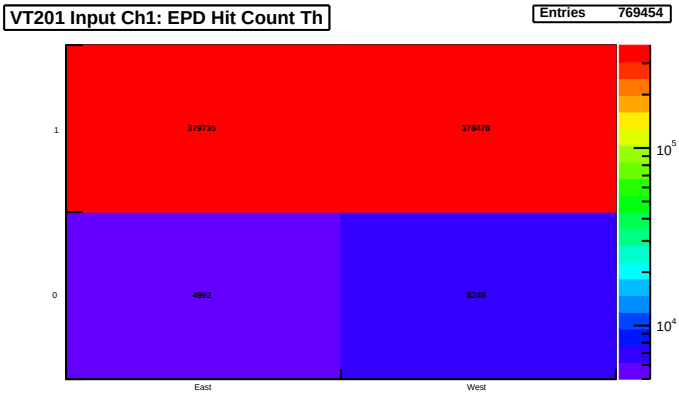

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

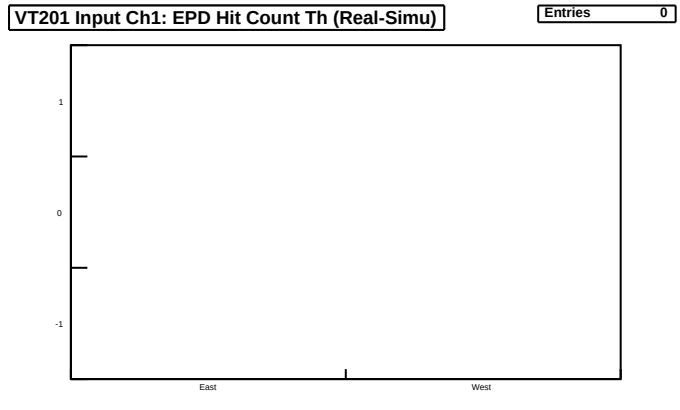

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 769454
270898
331639
113829
53088
East
West

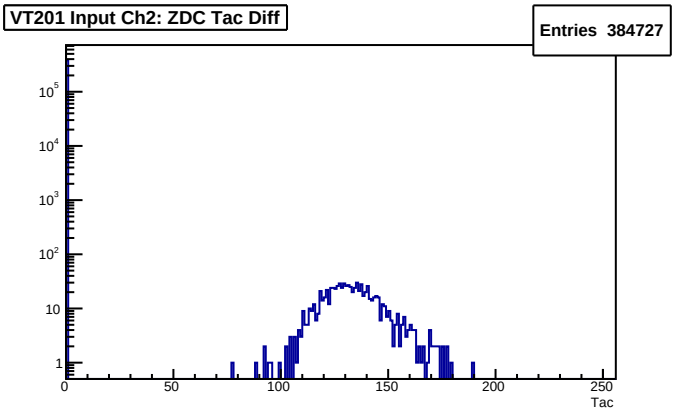

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

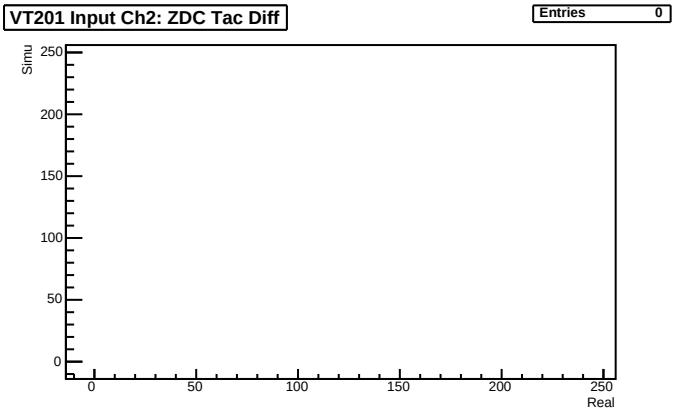

VT201 Input Ch1: EPD Tac Diff
Entries 384727
Tac

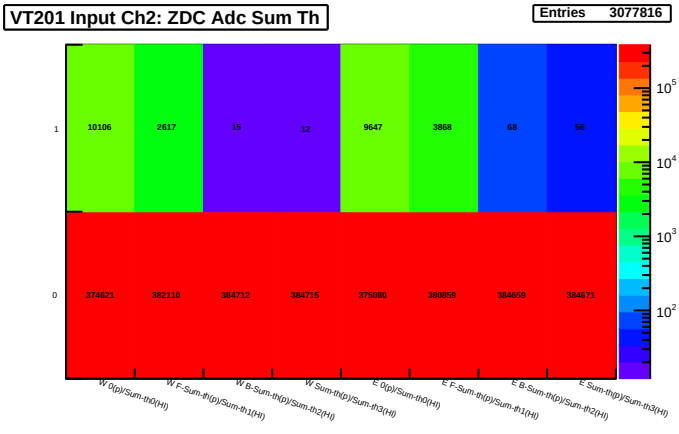

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

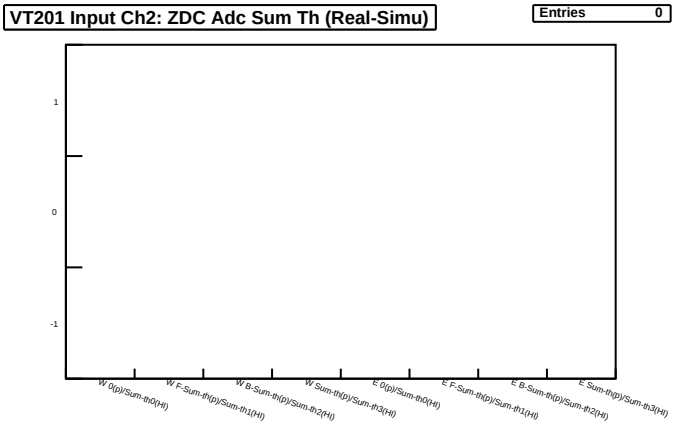

VT201 Input Ch1: EPD Hit Count Th
Entries 769454
379735
378478
4992
6249
East
West

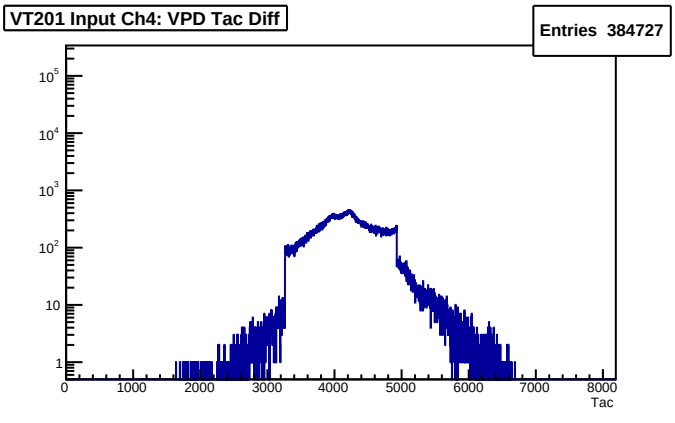

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

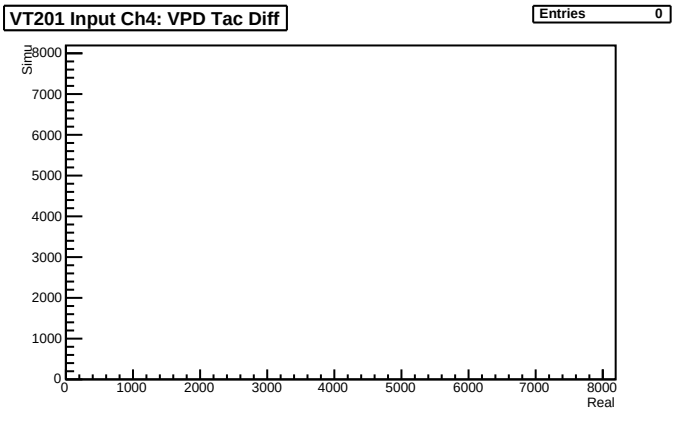

VT201 Input Ch2: ZDC Tac Diff
Entries 384727
Tac

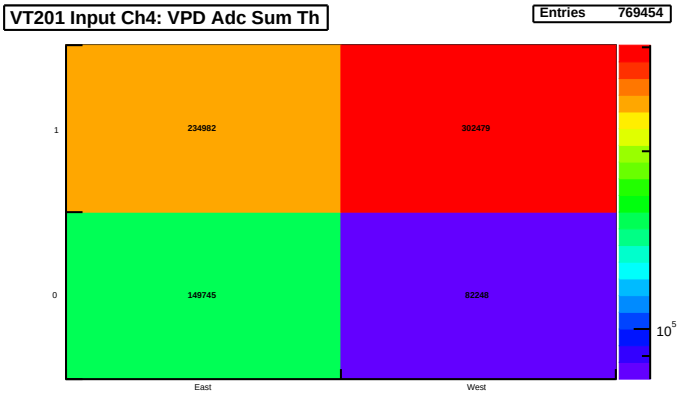

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

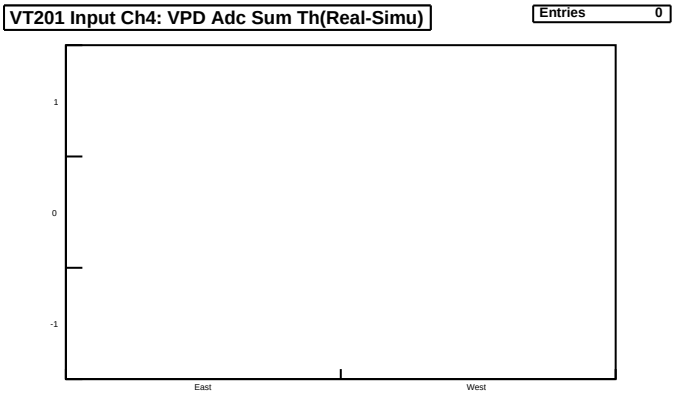

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3077816
10106
2617
15
12
9647
3868
68
56
374621
382110
384712
384715
375080
380859
384659
384671
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

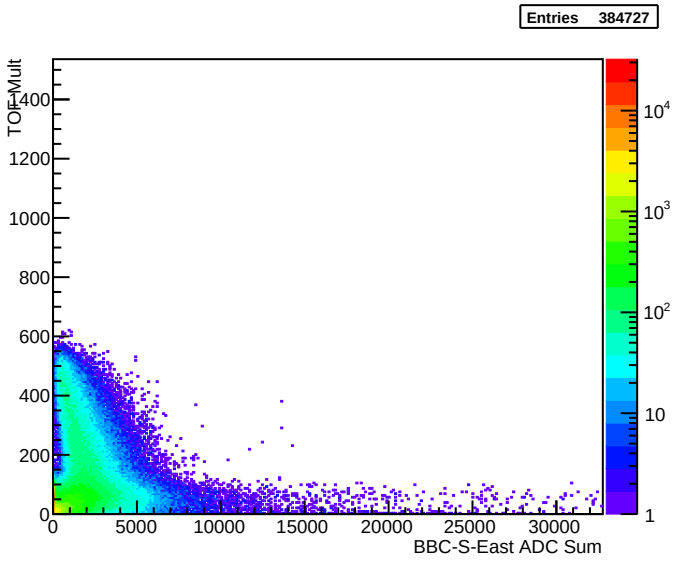

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

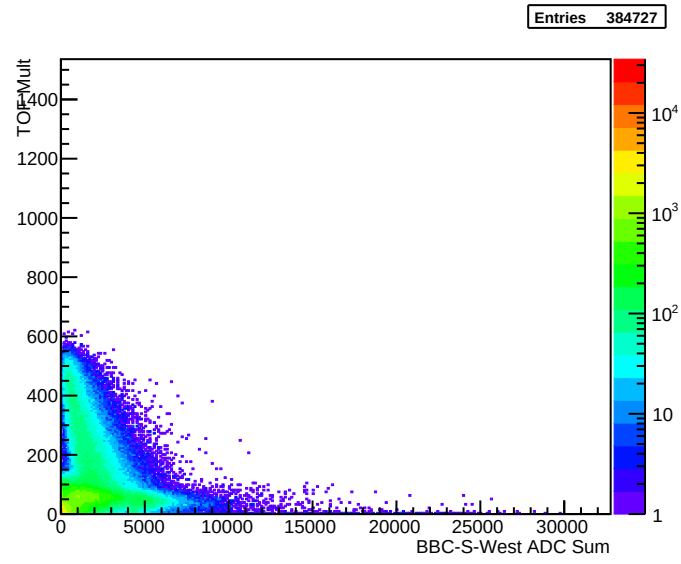

VT201 Input Ch4: VPD Tac Diff
Entries 384727
Tac

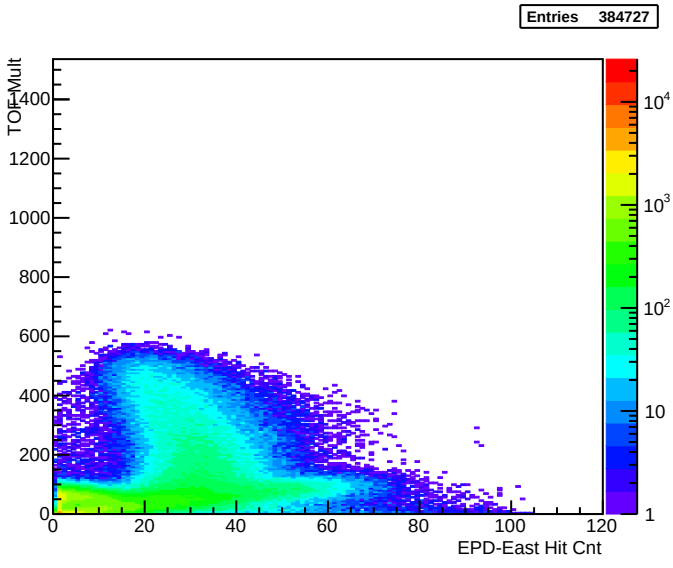

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

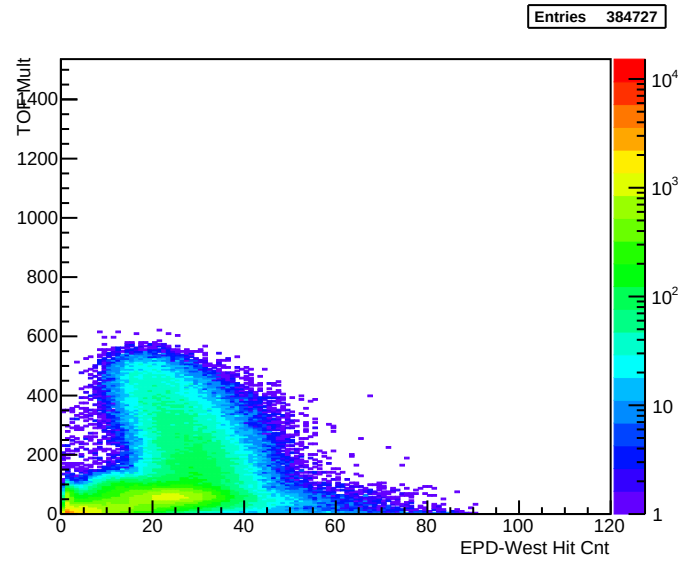

VT201 Input Ch4: VPD Adc Sum Th
Entries 769454
234982
302479
149745
82248
East
West

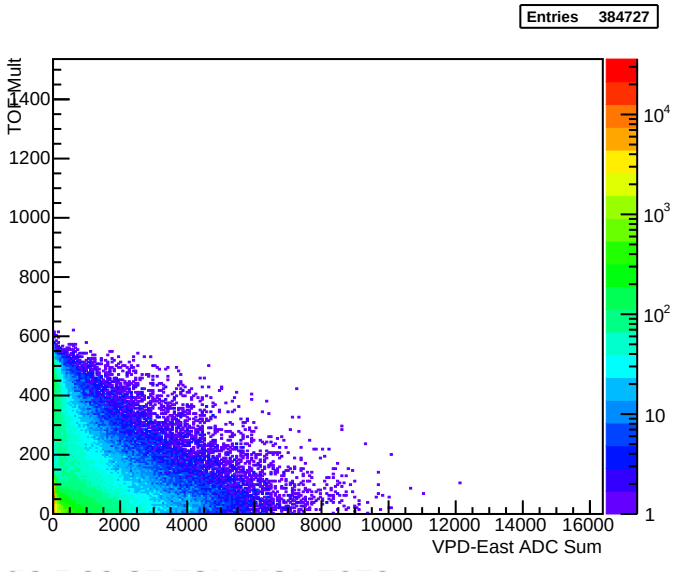

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

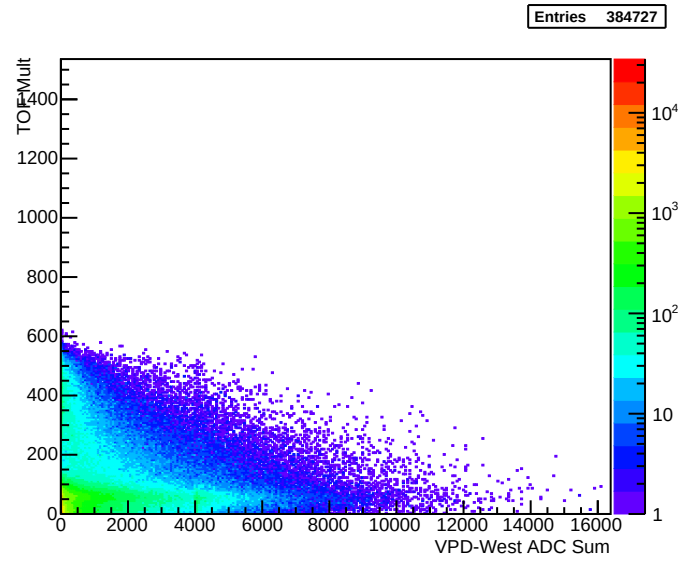

Entries 384727
TOF-Mult
BBC-S-East ADC Sum

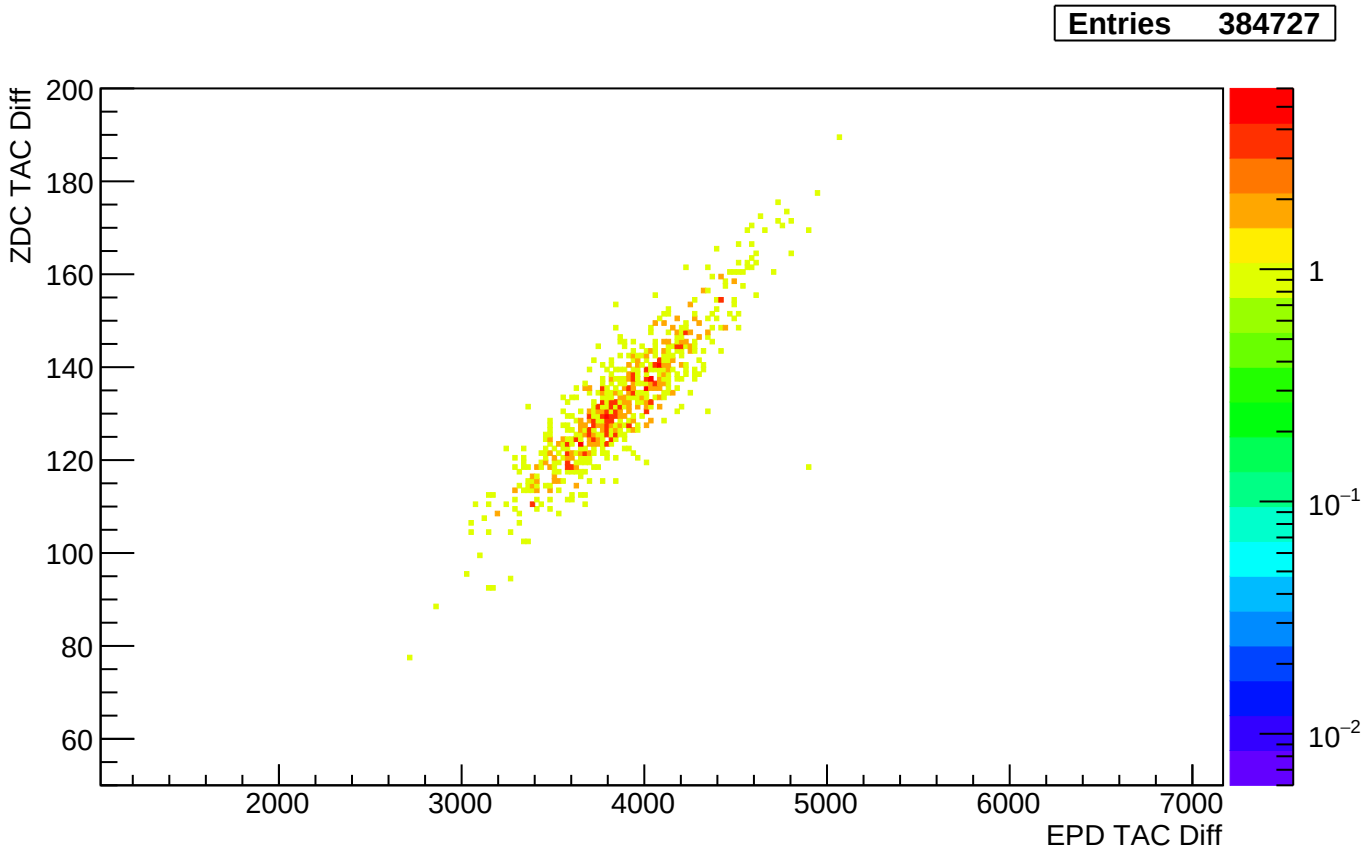

Entries 384727
TOF-Mult
BBC-S-West ADC Sum

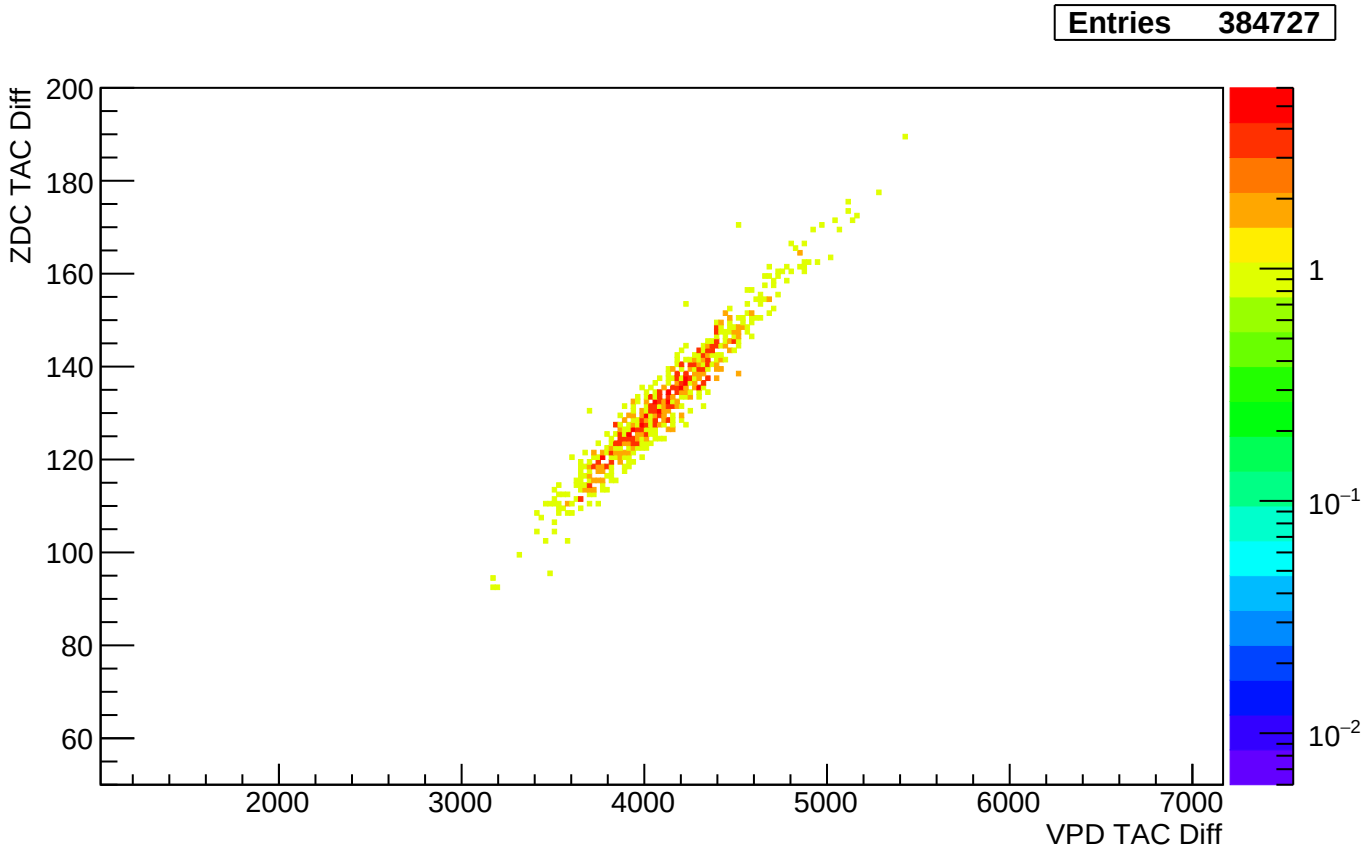

Entries 384727
TOF-Mult
EPD-East Hit Cnt

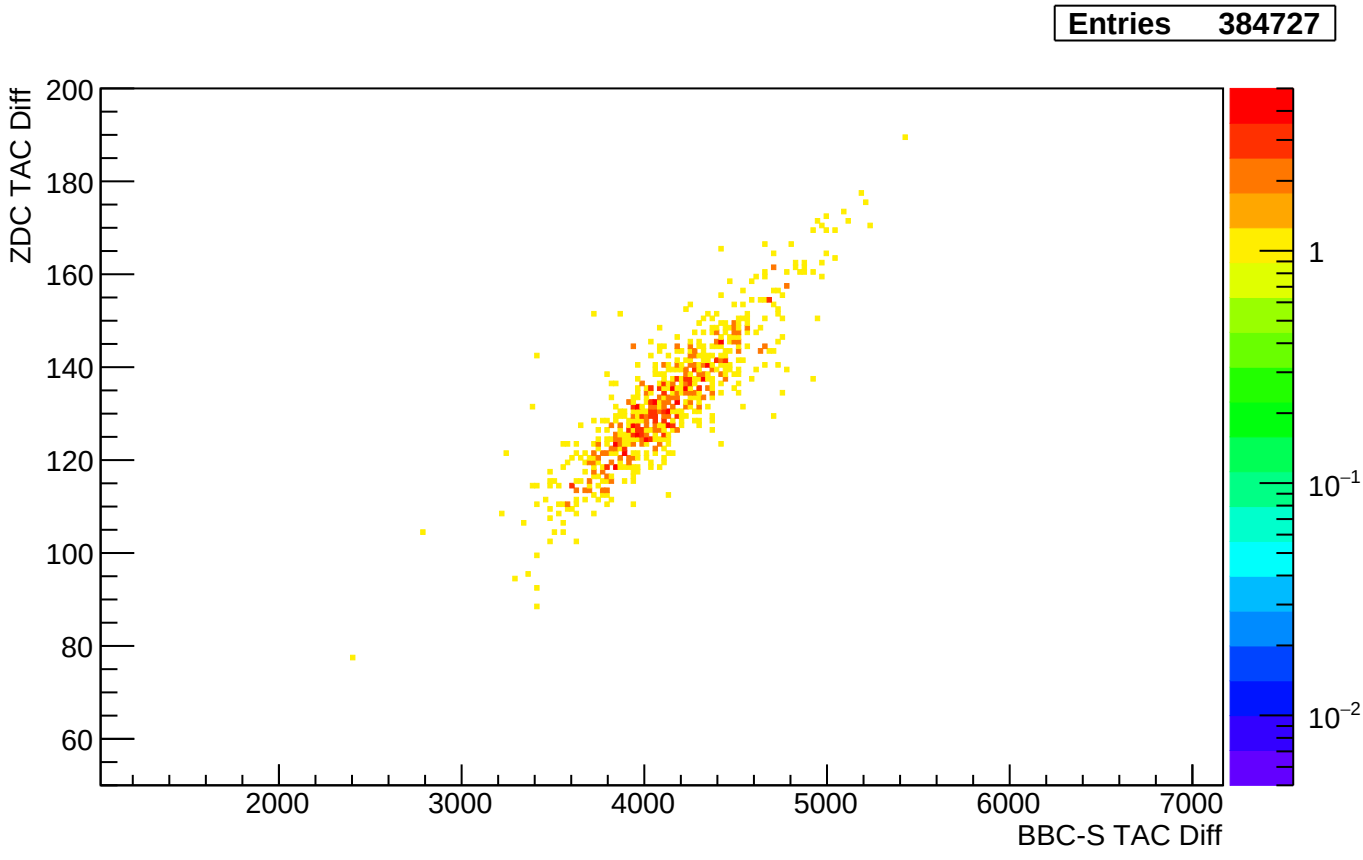

Entries 384727
TOF-Mult
EPD-West Hit Cnt

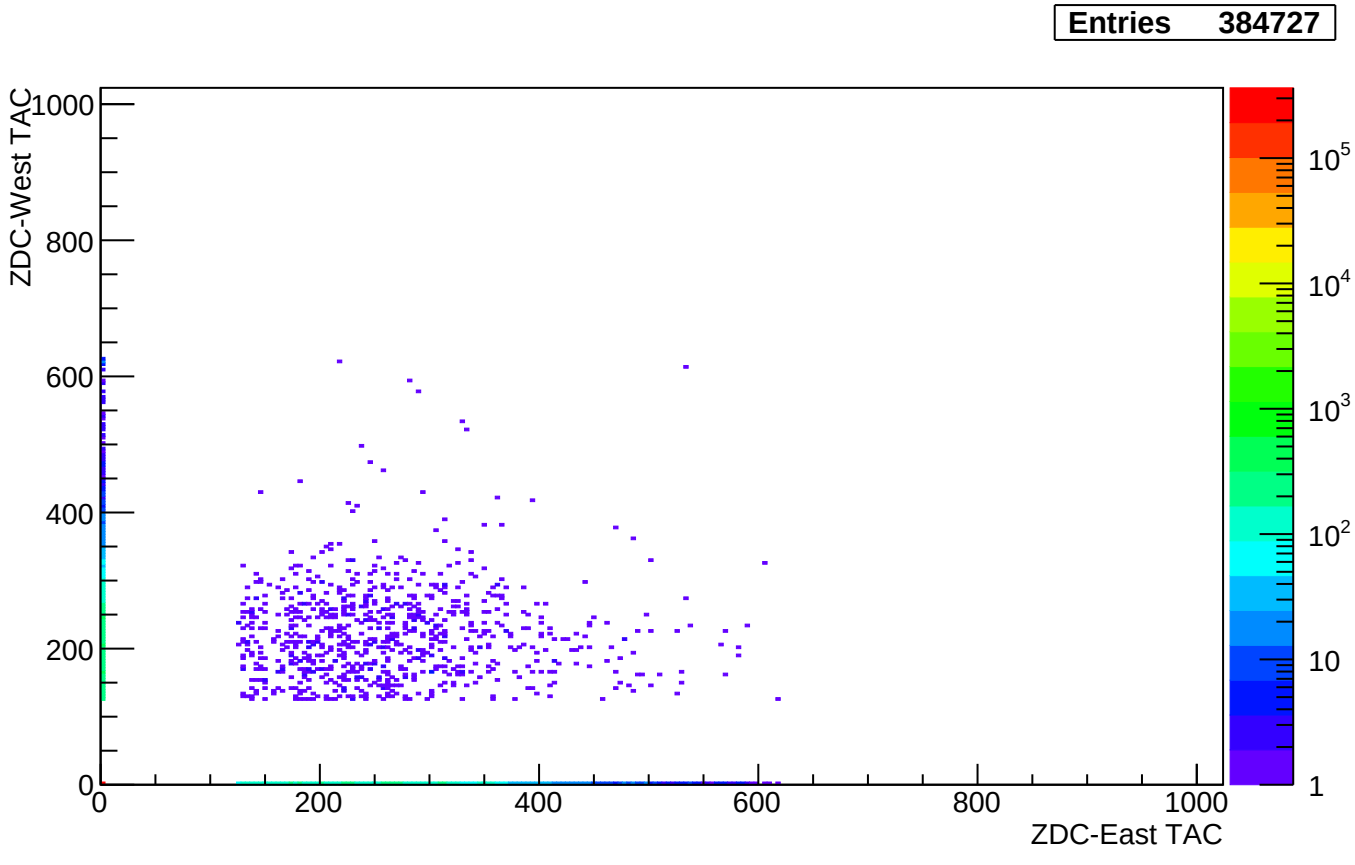

Entries 384727
TOF-Mult
VPD-East ADC Sum

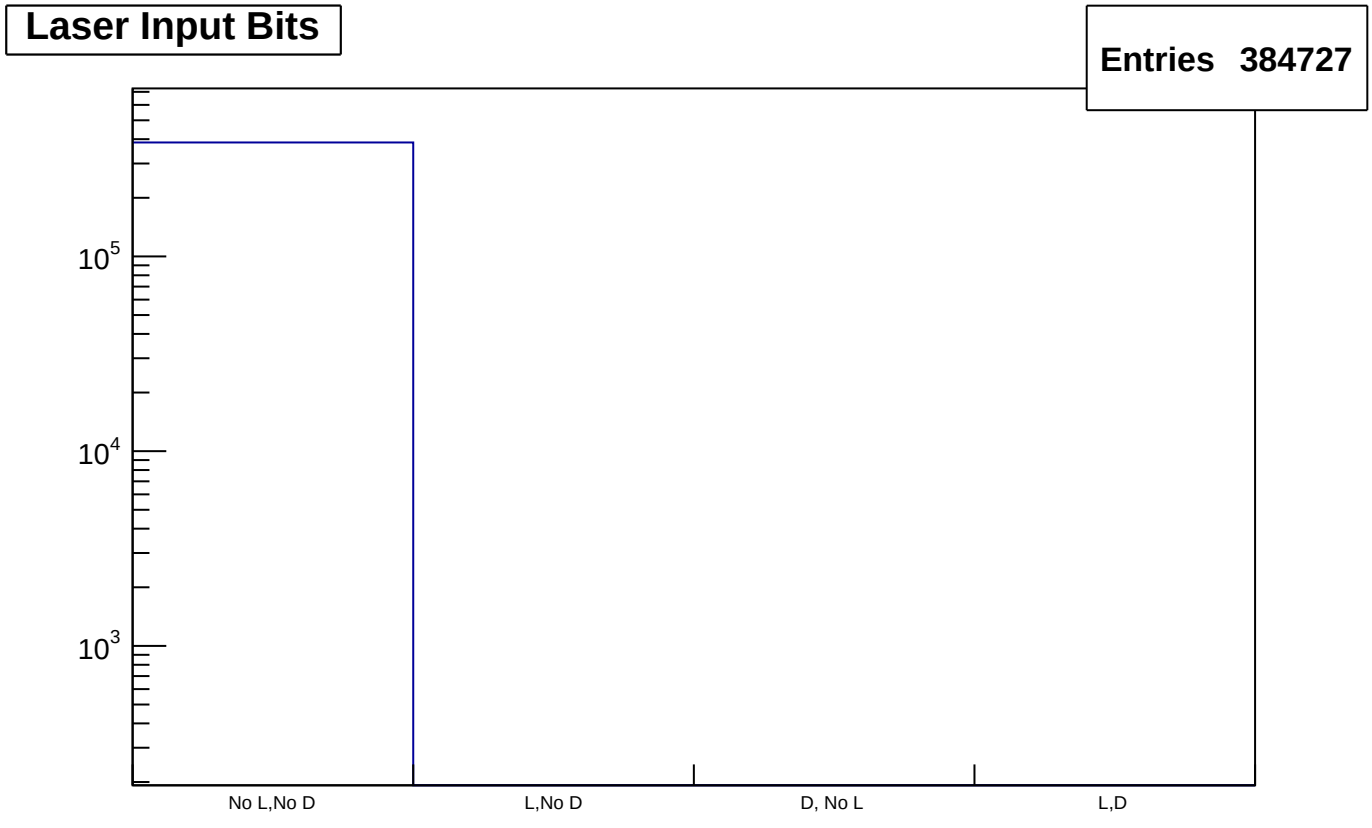

Entries 384727
TOF-Mult
VPD-West ADC Sum

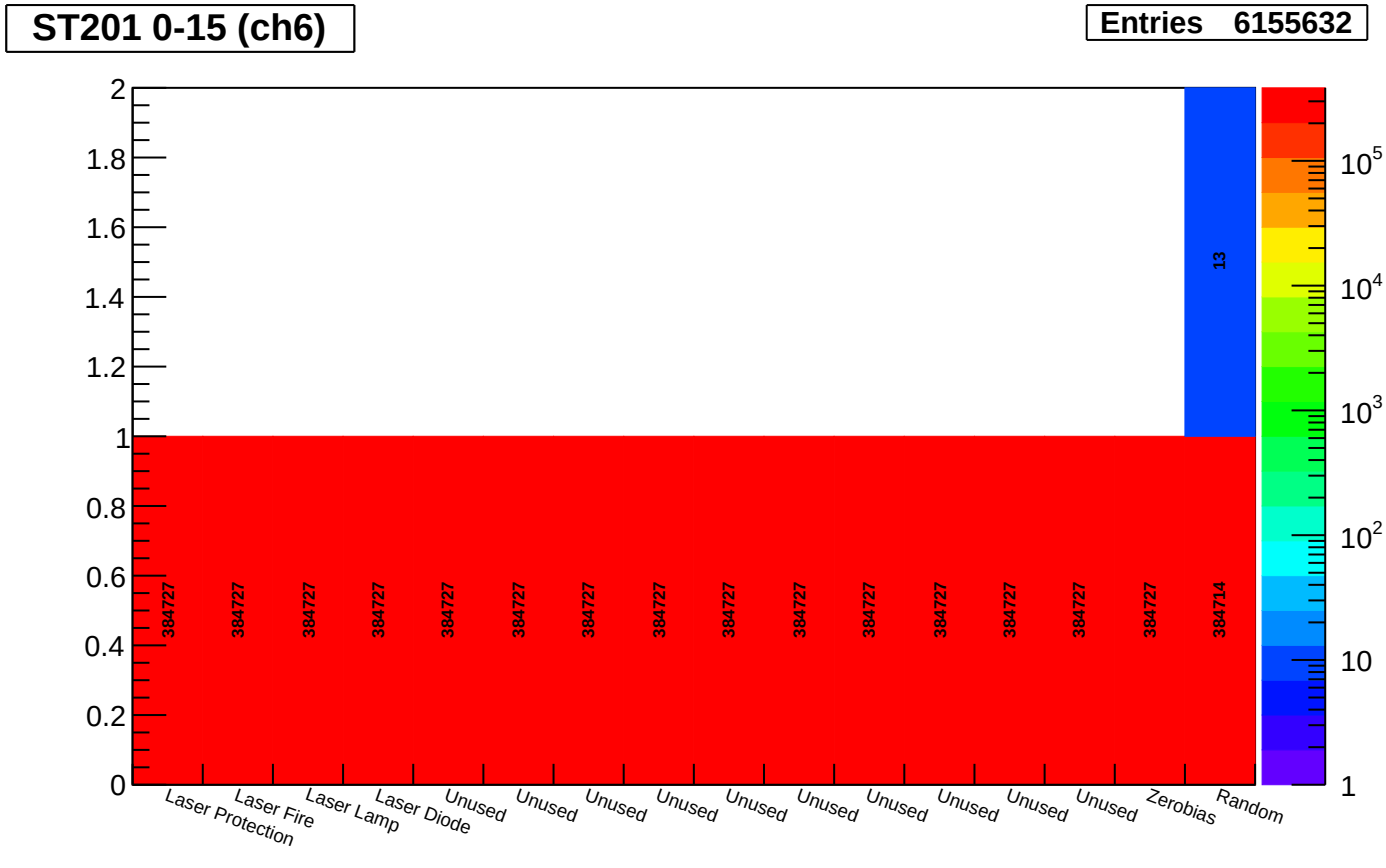

Entries 384727
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

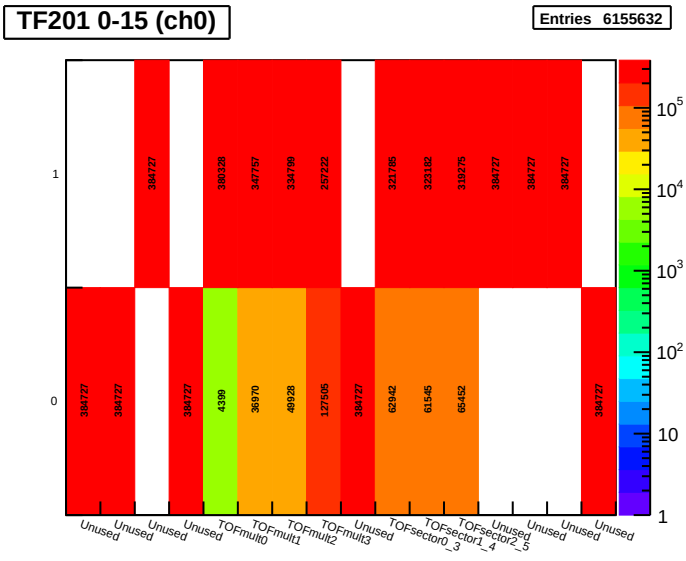

Entries 384727
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

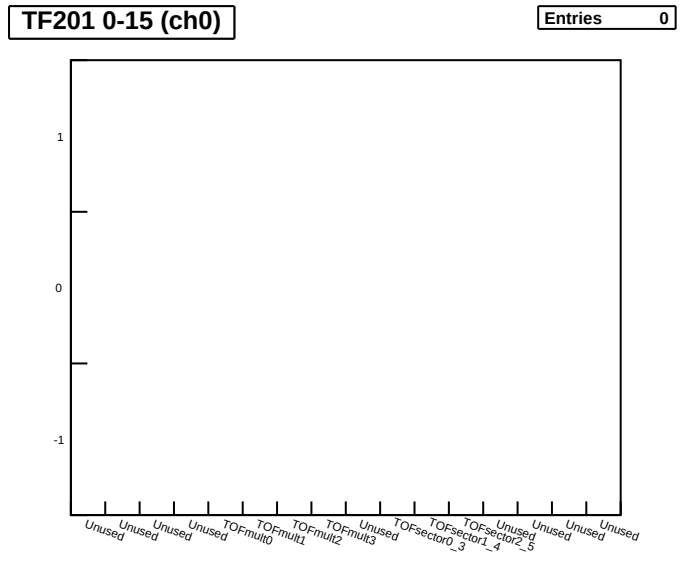

Entries 384727
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

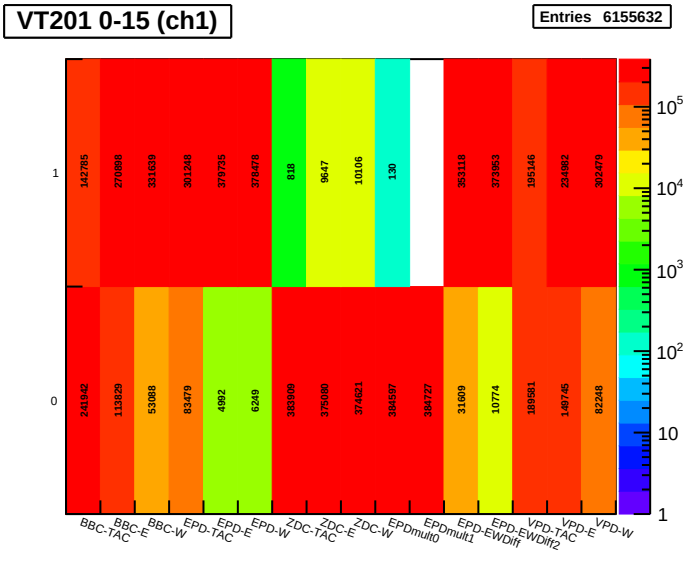

Entries 384727
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

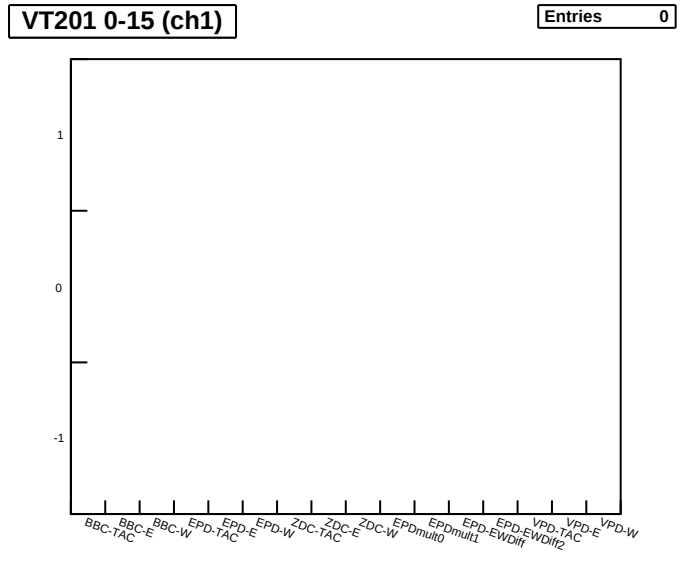

Laser Input Bits
Entries 384727
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

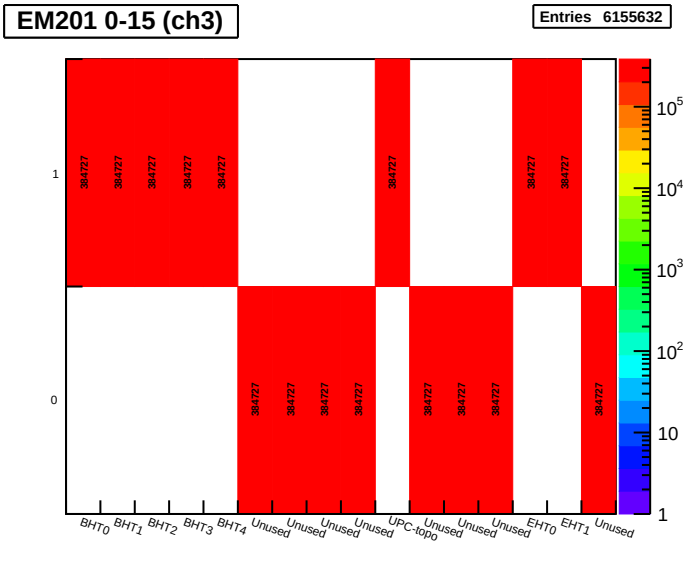

ST201 0-15 (ch6)
Entries 6155632
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
13
384727
384727
384727
384727
384727
384727
384727
384727
384727
384727
384727
384727
384727
384727
384714
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

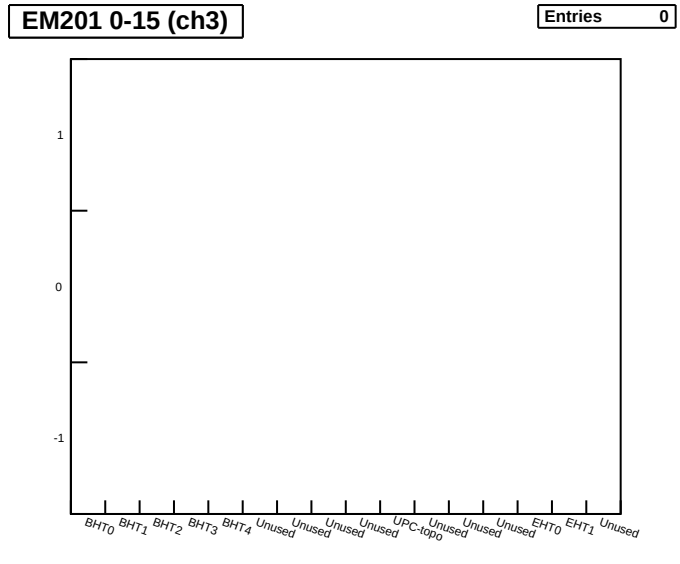

TF201 0-15 (ch0)
Entries 6155632
1
0
384727
380328
347757
334799
257222
321785
322182
319275
384727
384727
384727
384727
384727
384727
384727
4399
36970
49928
127505
384727
62942
61545
65452
384727
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


VT201 0-15 (ch1)
Entries 6155632
1
0
142785
270898
331639
301248
379735
378478
818
9647
10106
130
353118
373953
195146
234982
302479
241942
113829
53088
83479
4992
6249
383909
375080
374621
384597
384727
31609
10774
189581
149745
82248
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 6155632
1
0
384727
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
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
UPC-topo
EHT0
EHT1