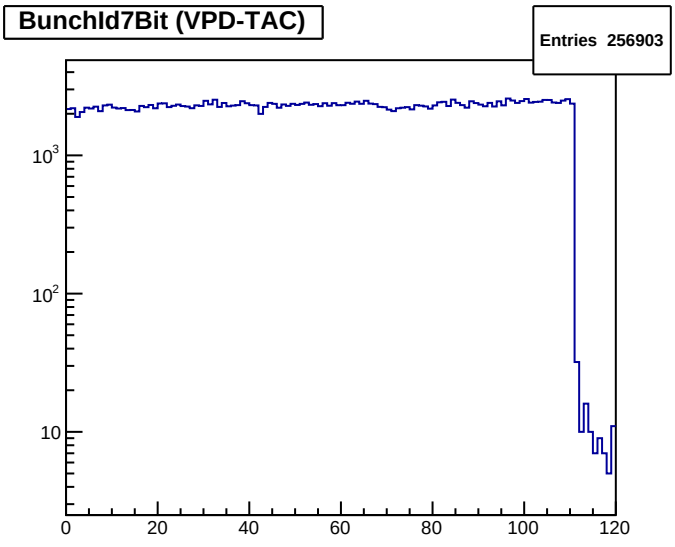
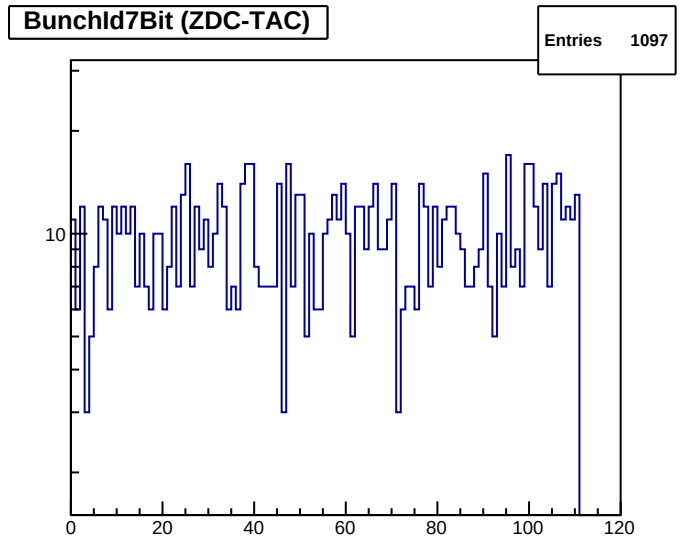
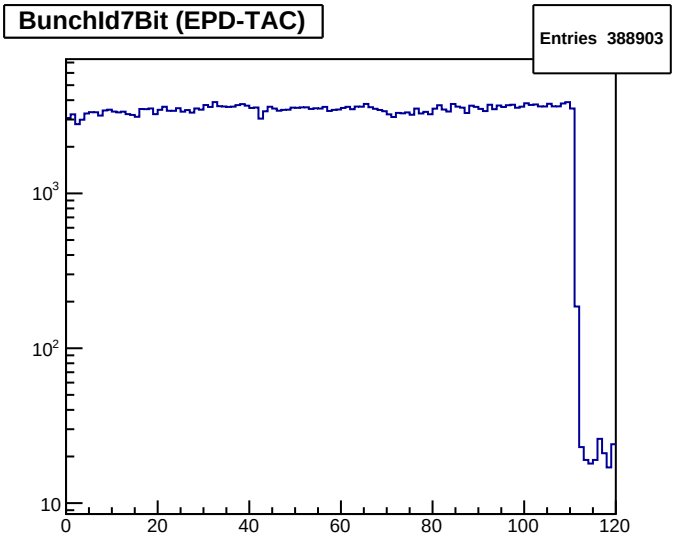
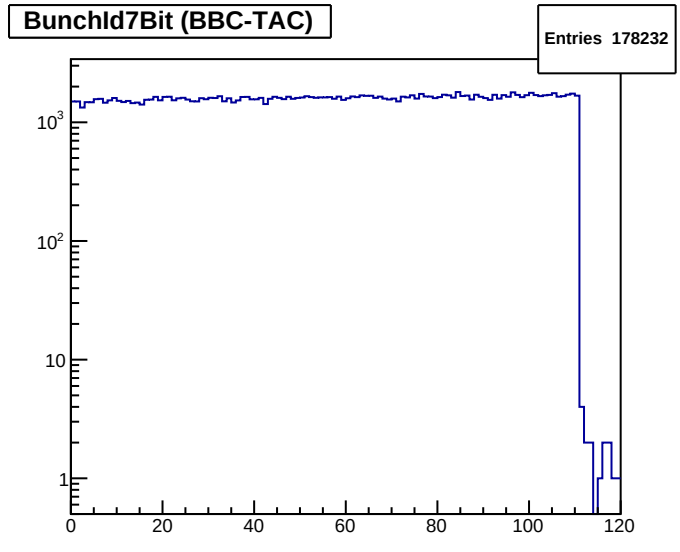
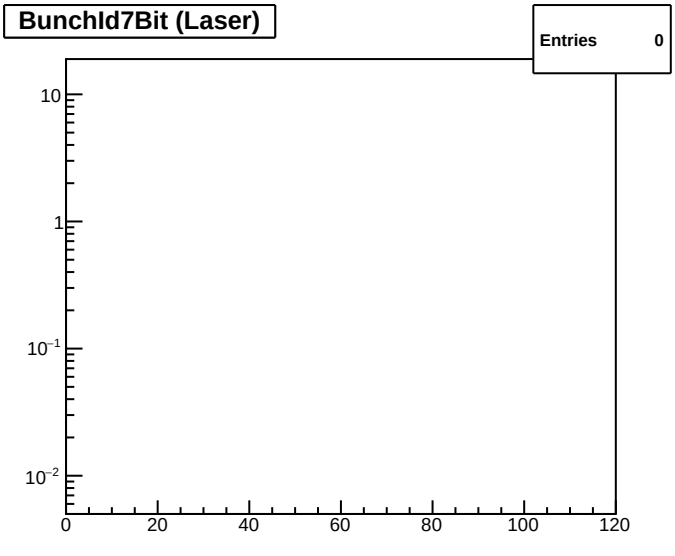
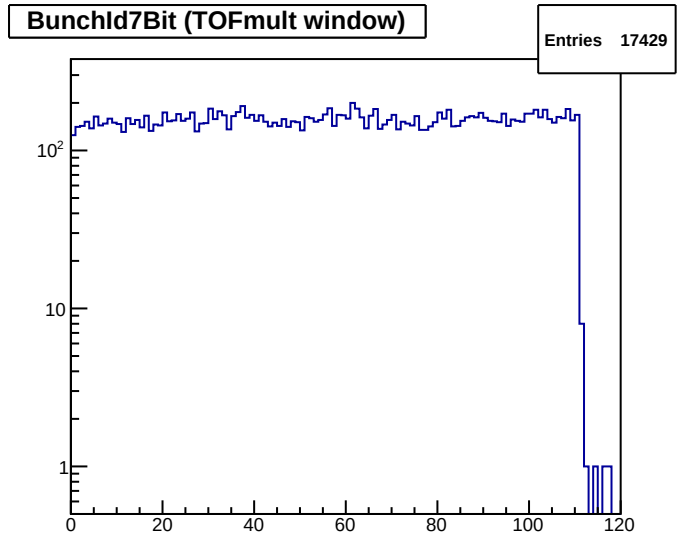

BunchId7Bit (VPD-TAC)
Entries 256903

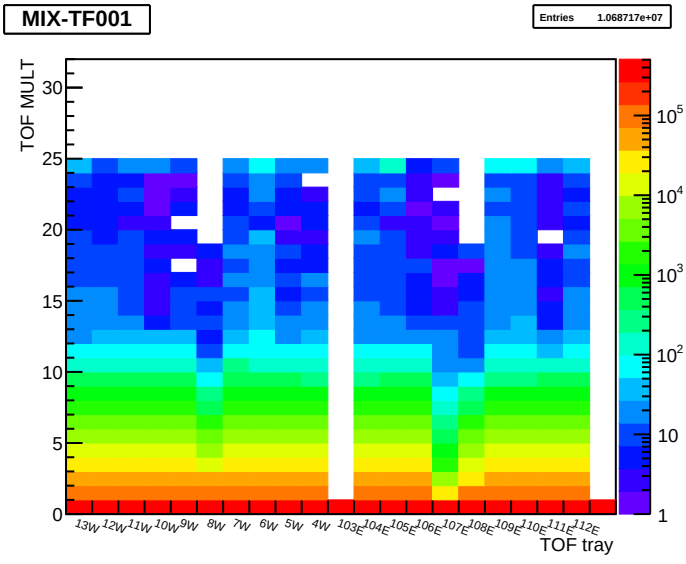

BunchId7Bit (ZDC-TAC)
Entries 1097

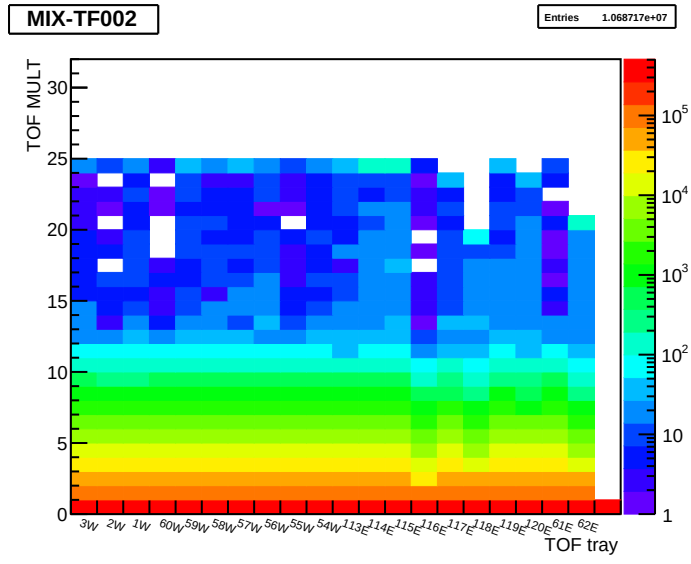

BunchId7Bit (EPD-TAC)
Entries 388903

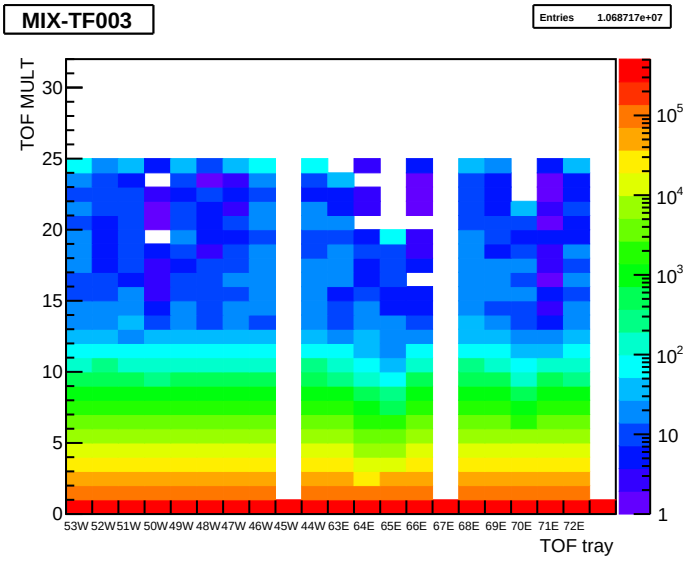

BunchId7Bit (BBC-TAC)
Entries 178232

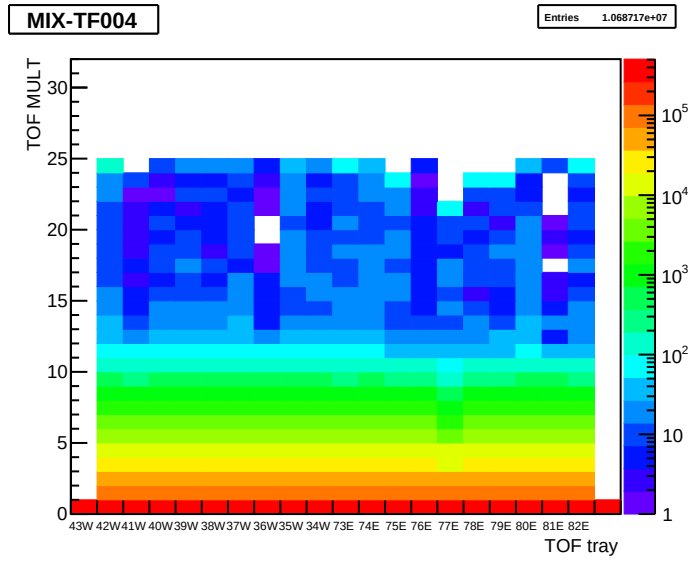

BunchId7Bit (Laser)
Entries 0

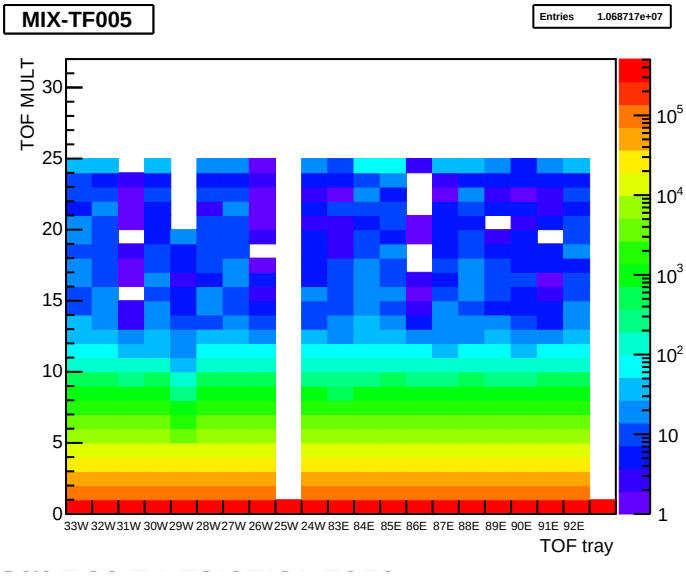

BunchId7Bit (TOFmult window)
Entries 17429

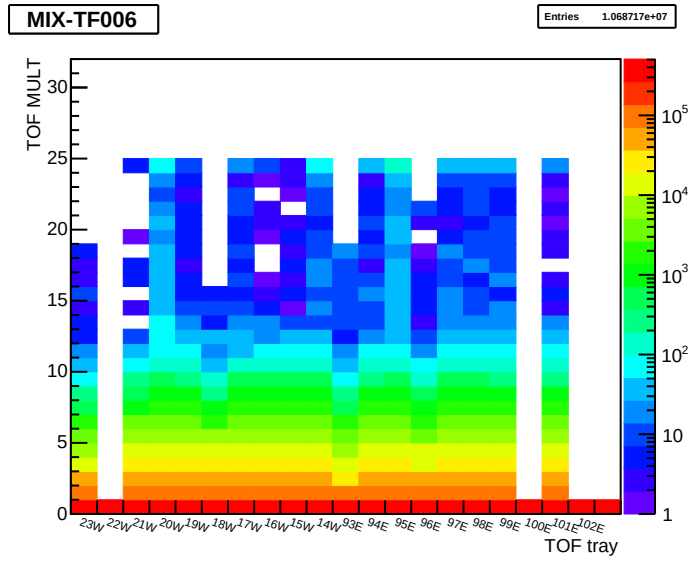

MIX-TF001
Entries 1.068717e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

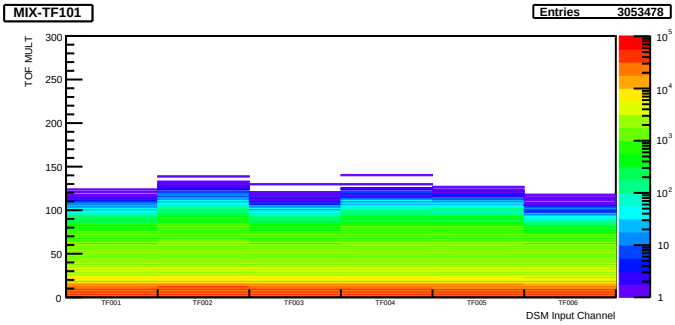

MIX-TF002
Entries 1.068717e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

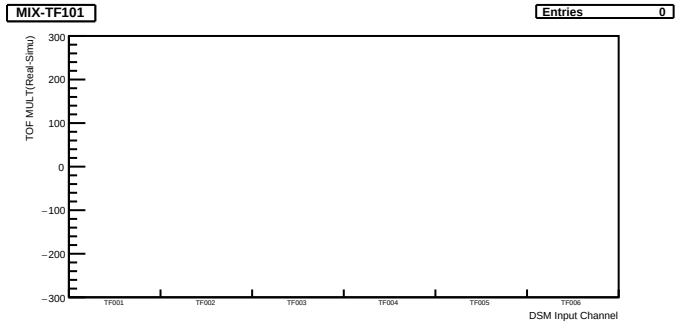

MIX-TF003
Entries 1.068717e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

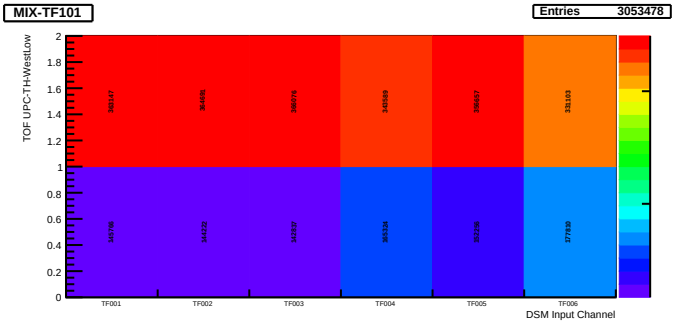

MIX-TF004
Entries 1.068717e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

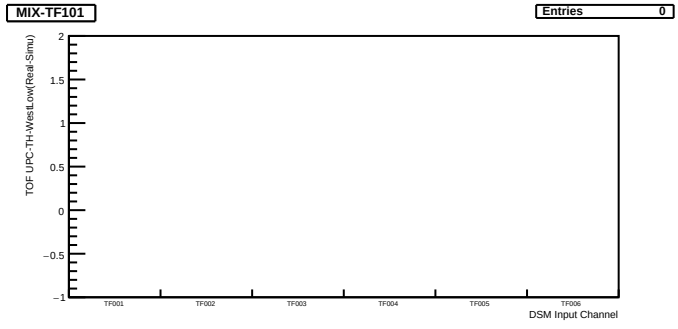

MIX-TF005
Entries 1.068717e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

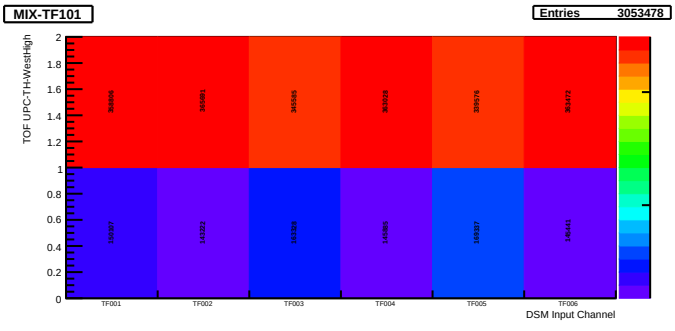

MIX-TF006
Entries 1.068717e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

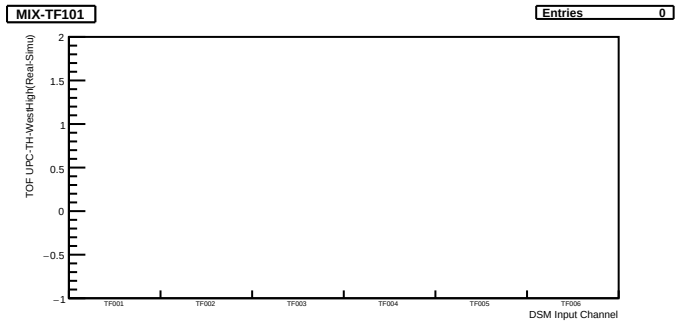

MIX-TF101
Entries 3053478
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

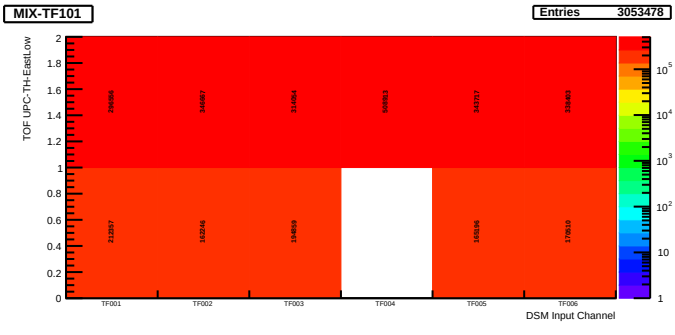

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

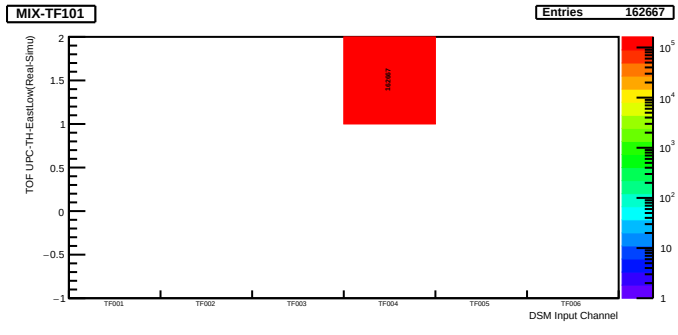

MIX-TF101
Entries 3053478
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

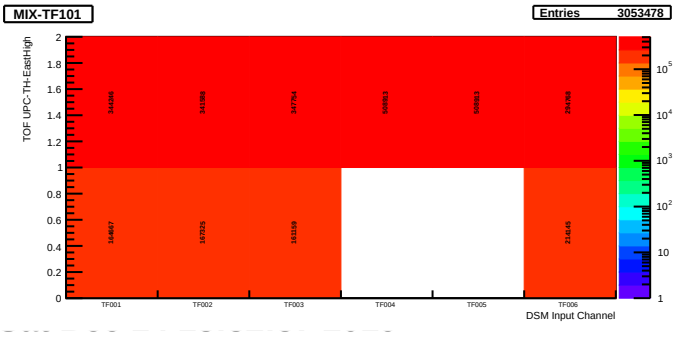

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

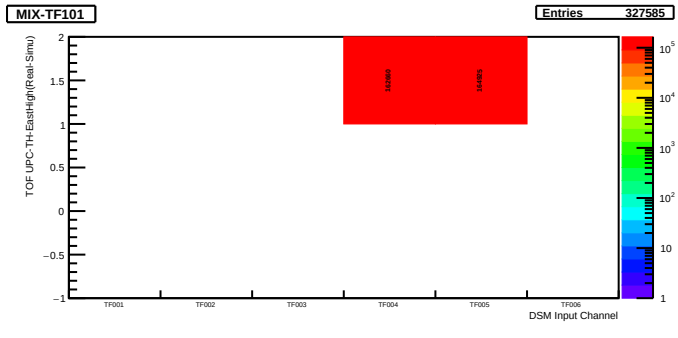

MIX-TF101
Entries 3053478
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

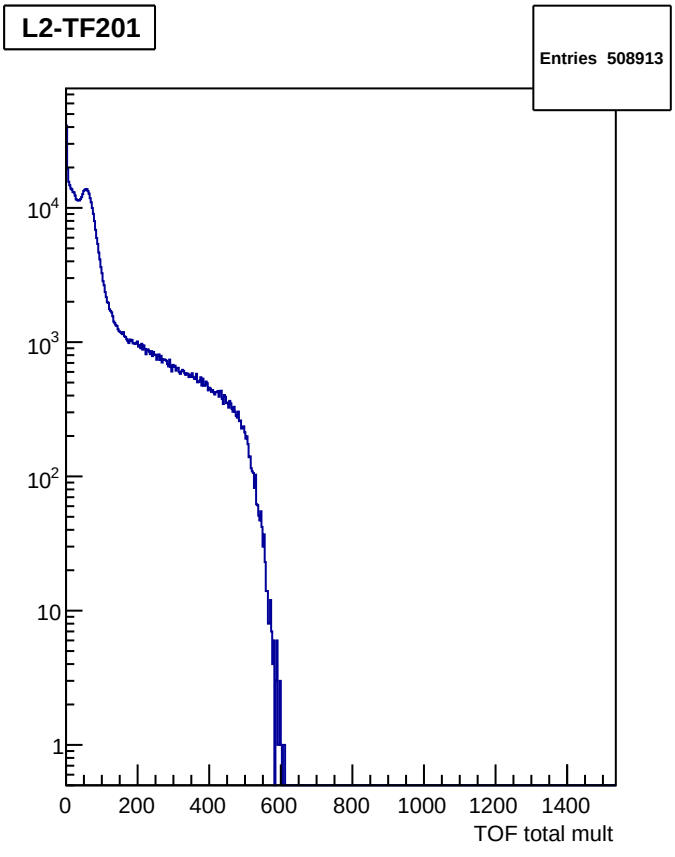

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

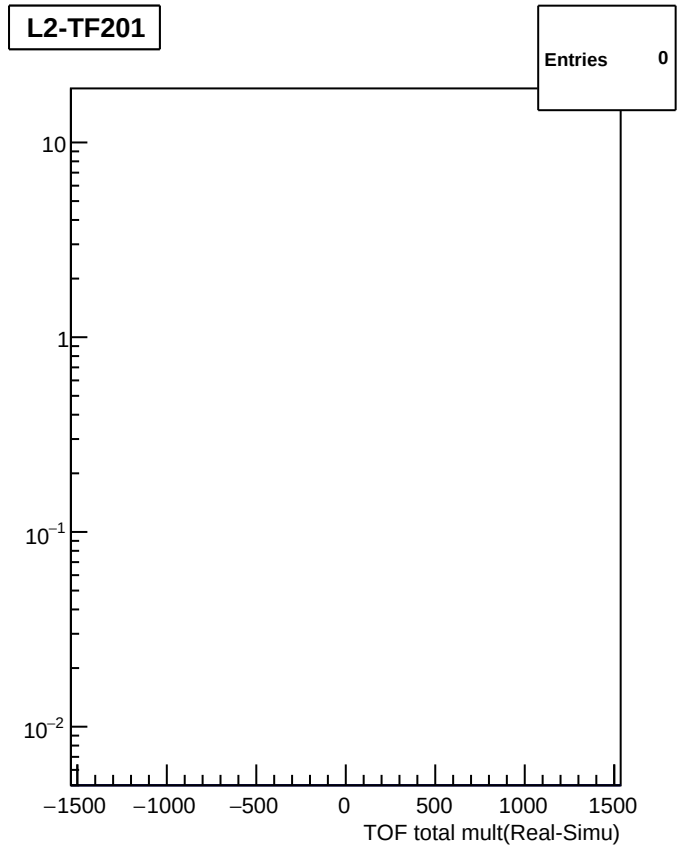

MIX-TF101
Entries 3053478
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

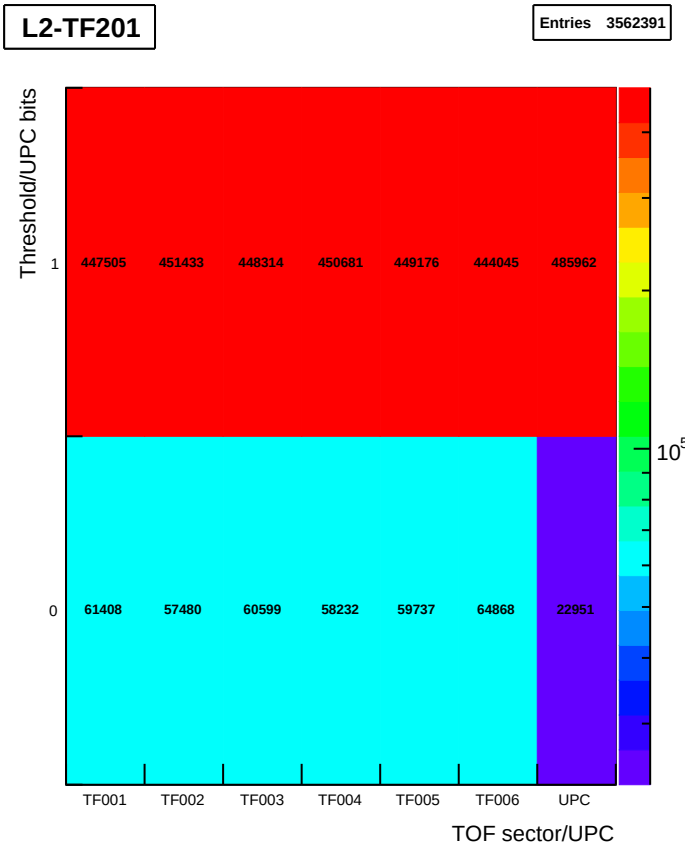

MIX-TF101
Entries 162667
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

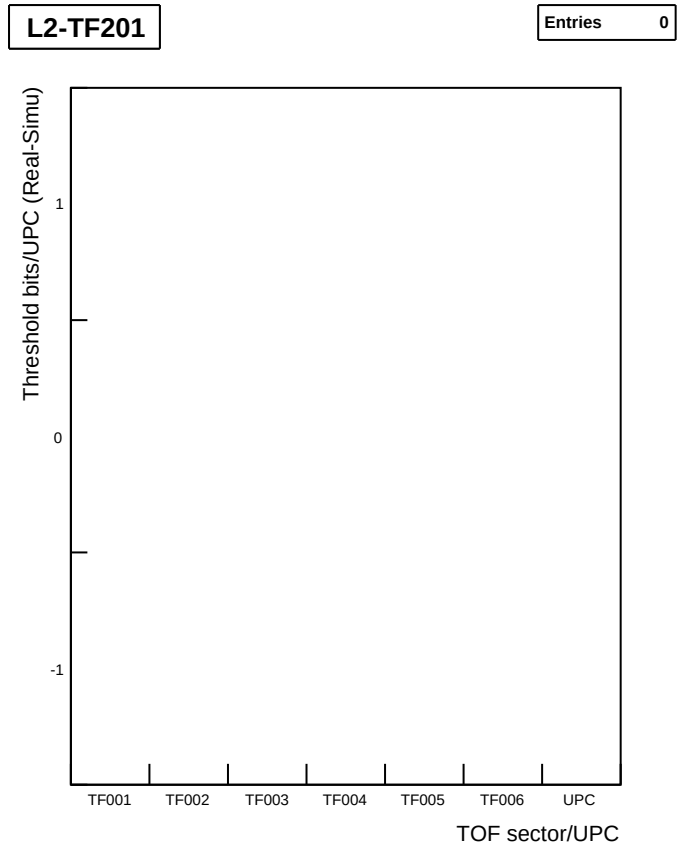

MIX-TF101
Entries 3053478
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

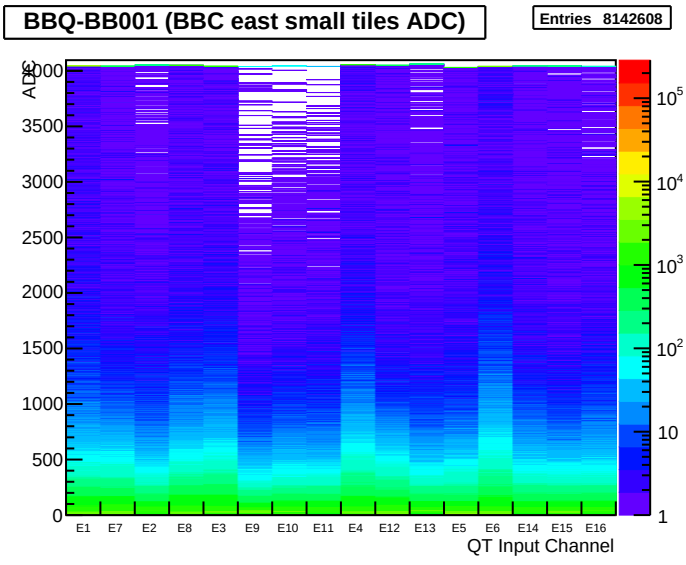

MIX-TF101
Entries 327585
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

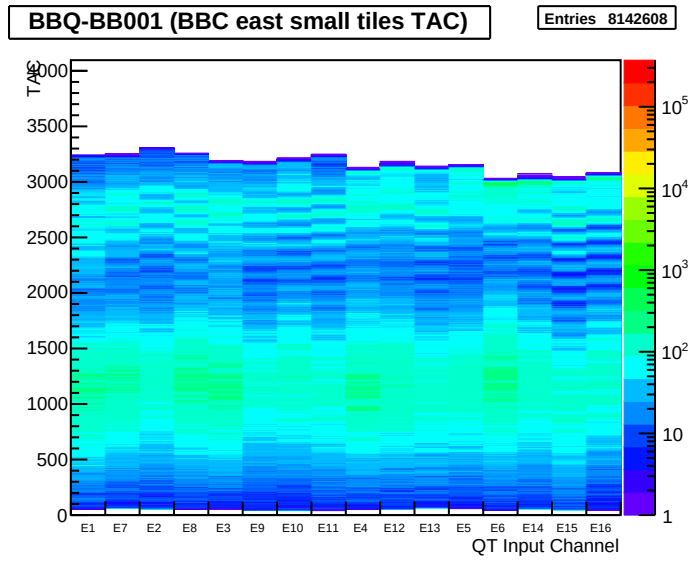

L2-TF201
Entries 508913
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

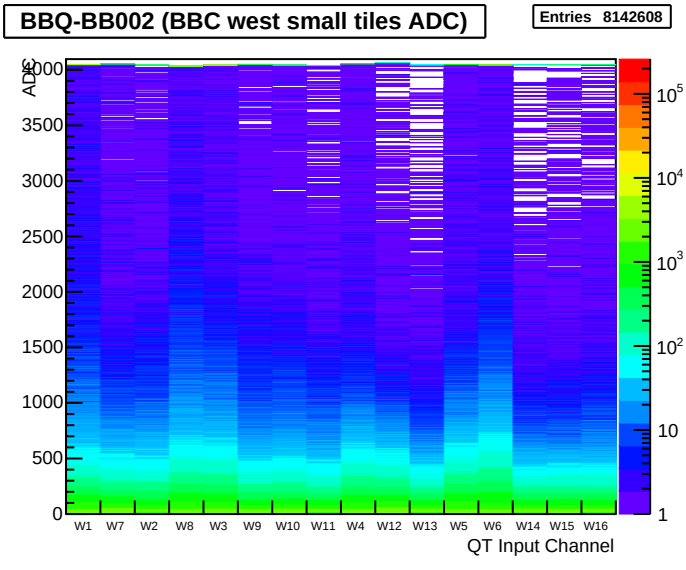

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

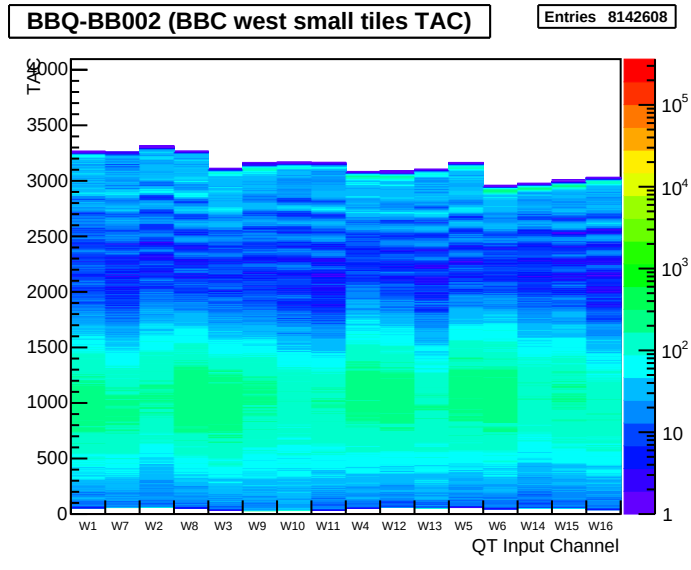

L2-TF201
Entries 3562391
Threshold/UPC bits
1
0
447505
451433
448314
450681
449176
444045
485962
61408
57480
60599
58232
59737
64868
22951
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

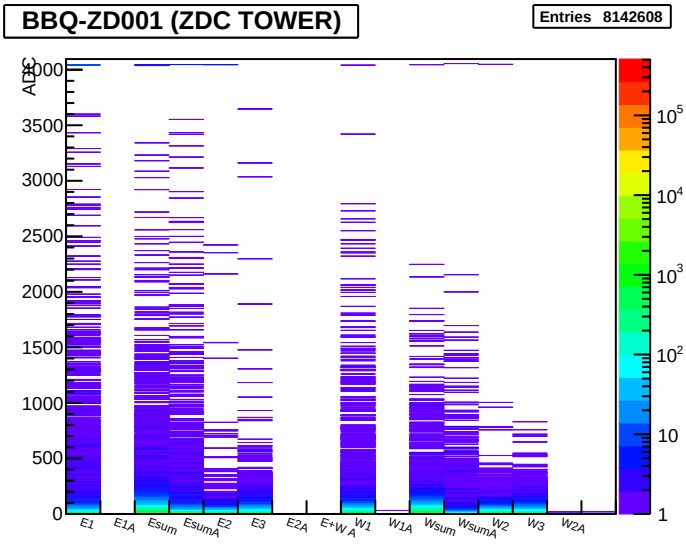

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

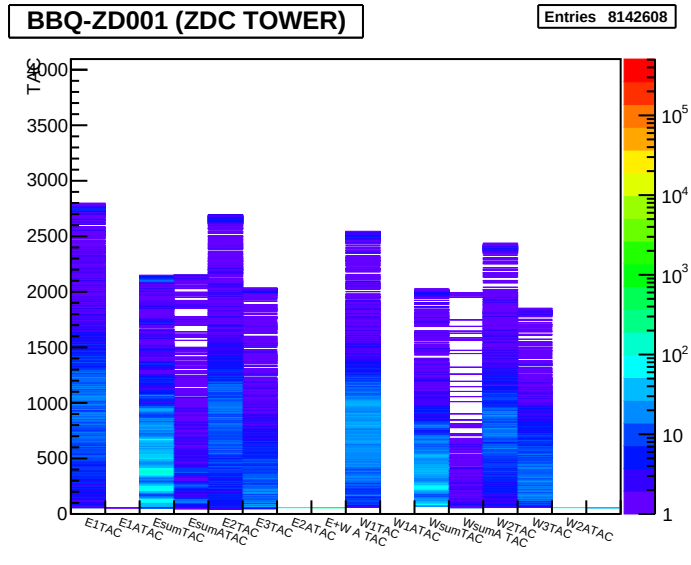

BBQ-BB001 (BBC east small tiles ADC)
Entries 8142608
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

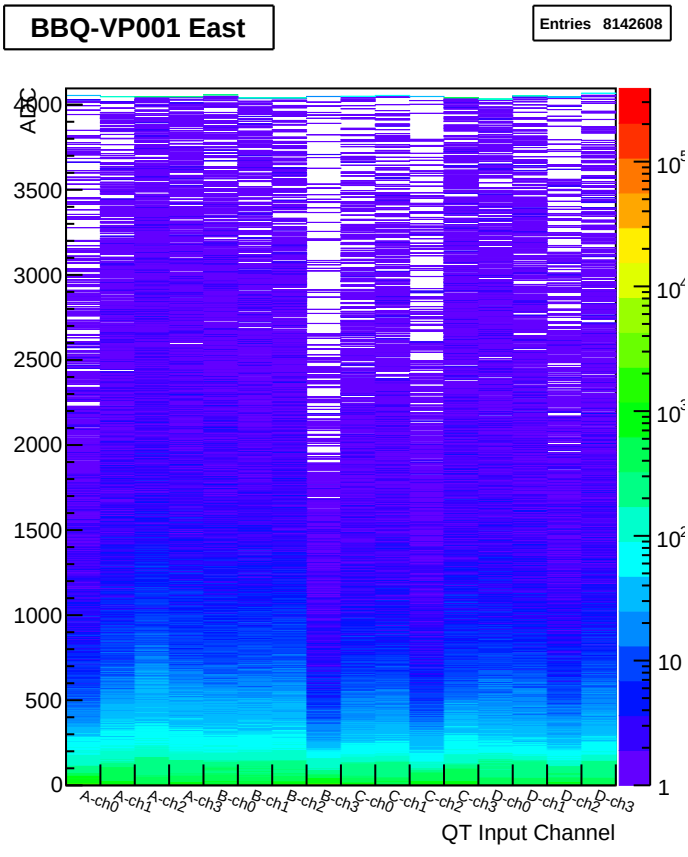

BBQ-BB001 (BBC east small tiles TAC)
Entries 8142608
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

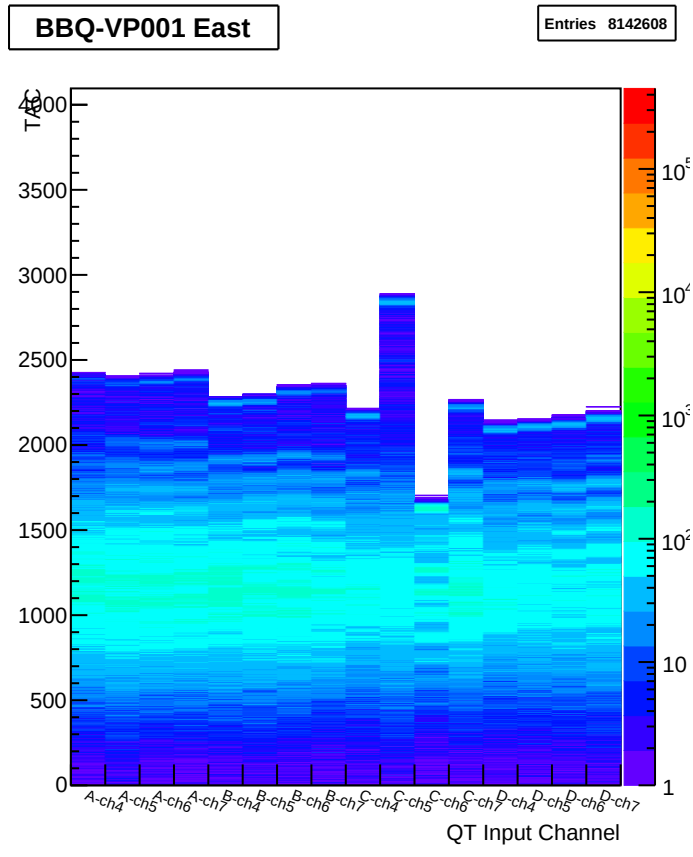

BBQ-BB002 (BBC west small tiles ADC)
Entries 8142608
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

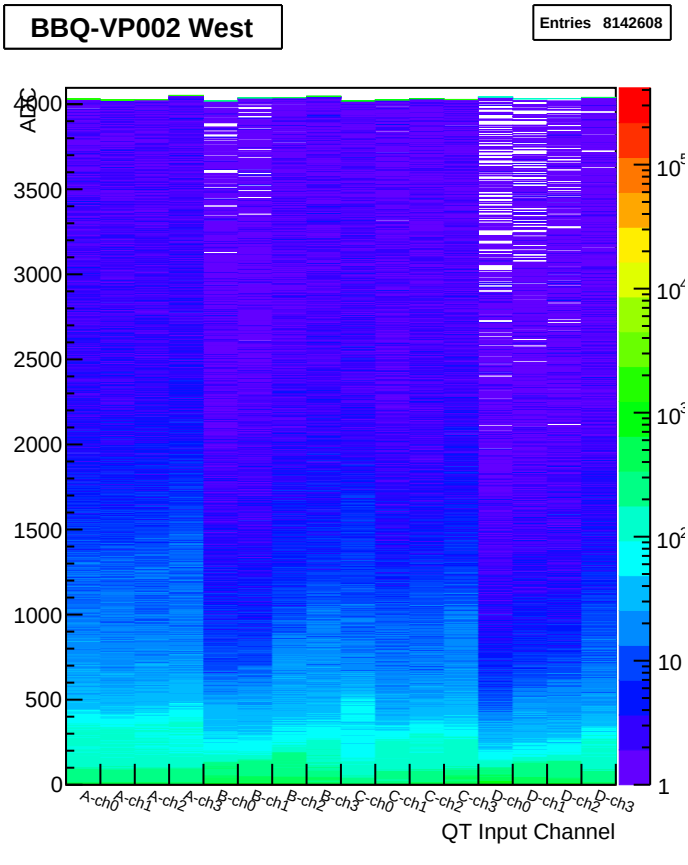

BBQ-BB002 (BBC west small tiles TAC)
Entries 8142608
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

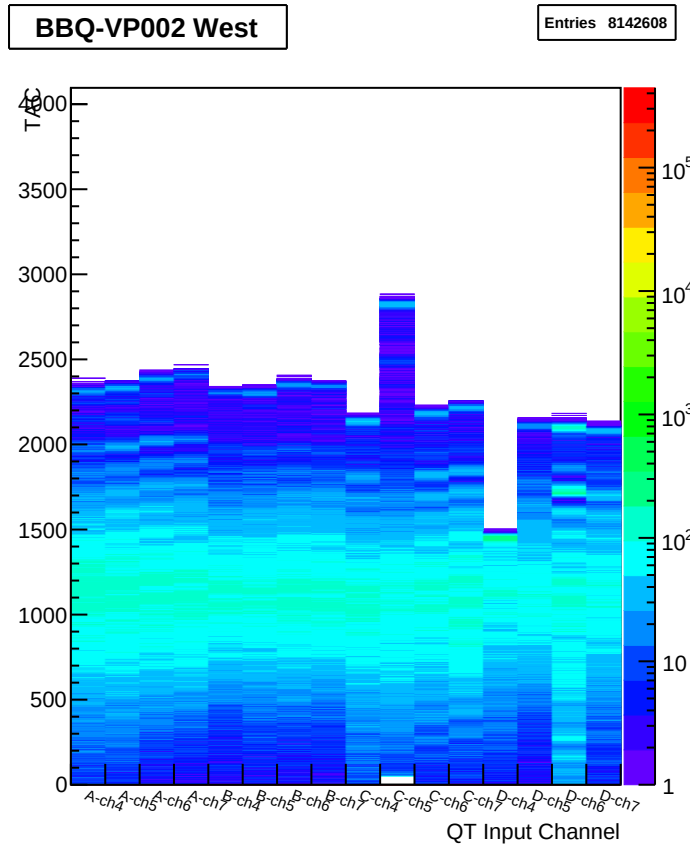

BBQ-ZD001 (ZDC TOWER)
Entries 8142608
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

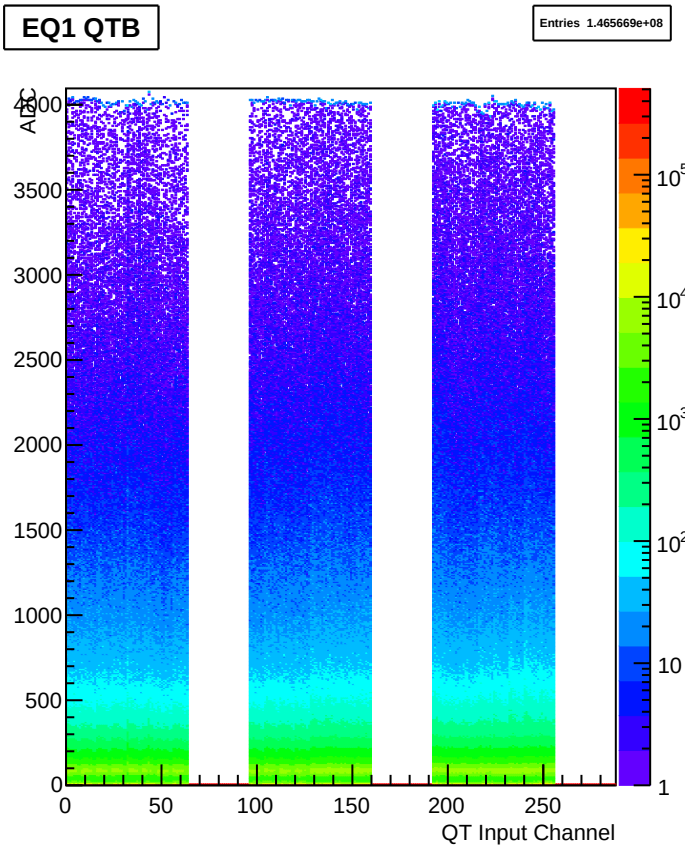

BBQ-ZD001 (ZDC TOWER)
Entries 8142608
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

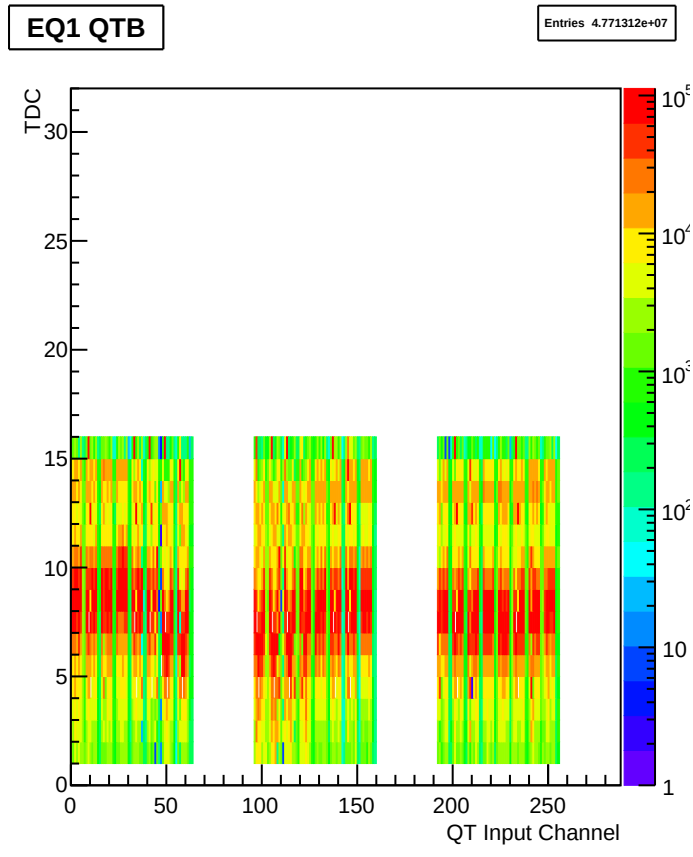

BBQ-VP001 East
Entries 8142608
ADC
QT Input Channel

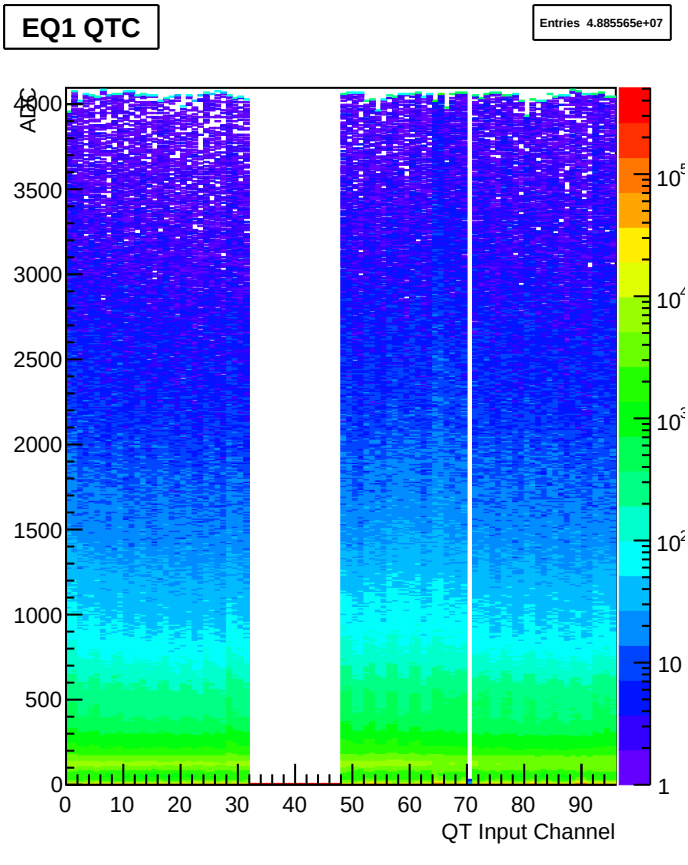

BBQ-VP001 East
Entries 8142608
TAC
QT Input Channel

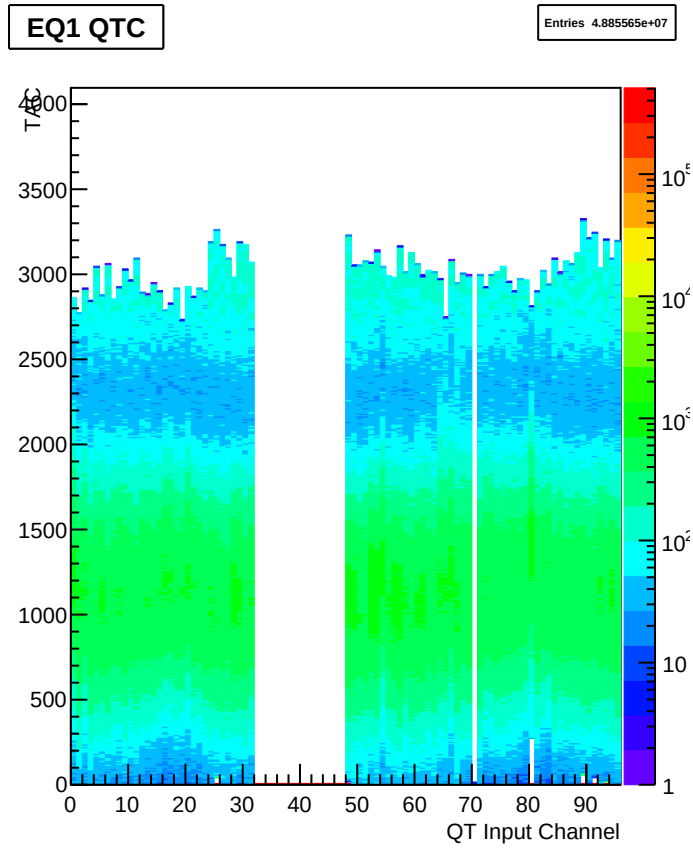

BBQ-VP002 West
Entries 8142608
ADC
QT Input Channel

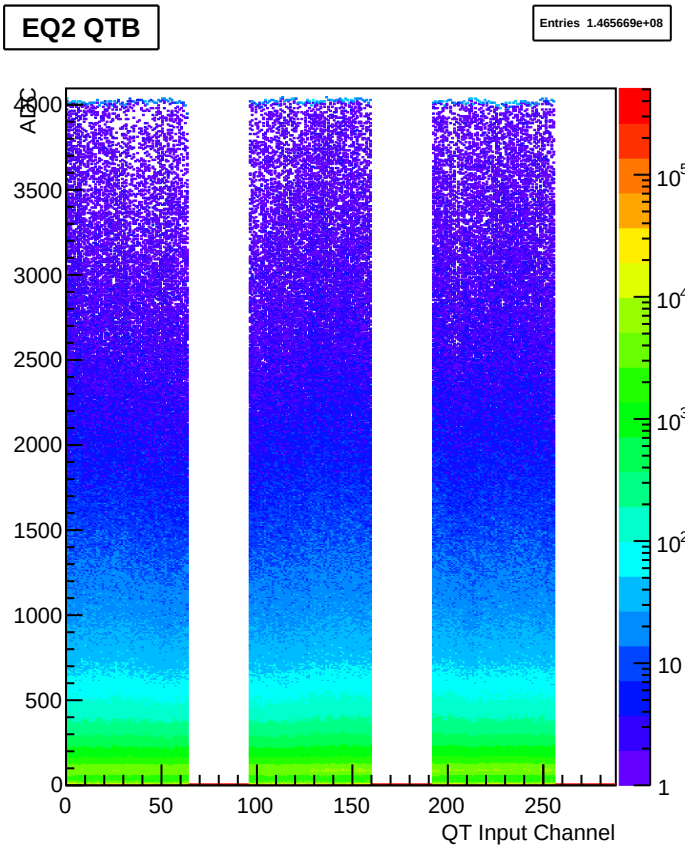

BBQ-VP002 West
Entries 8142608
TAC
QT Input Channel

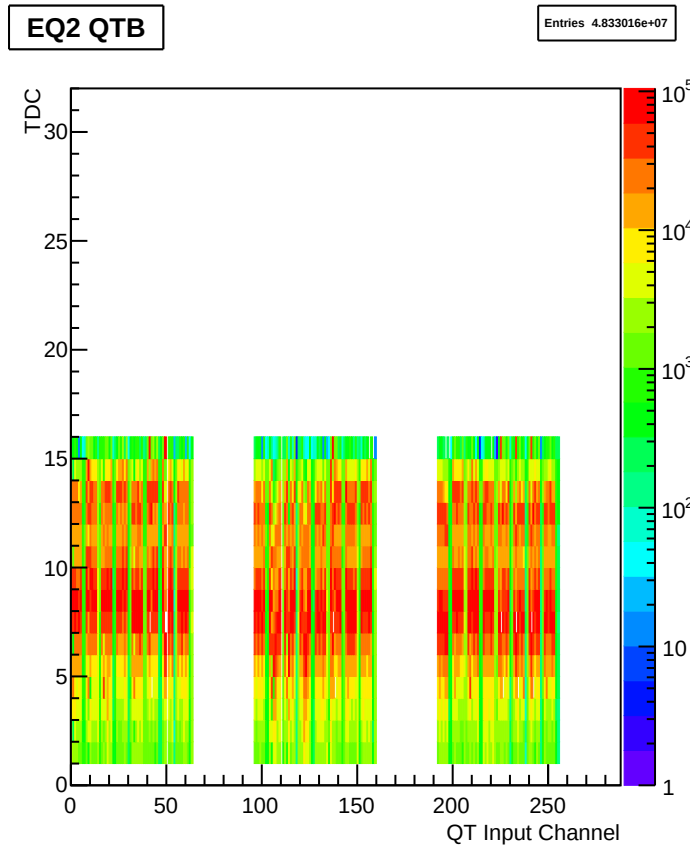

EQ1 QTB
Entries 1.465669e+08
ADC
QT Input Channel

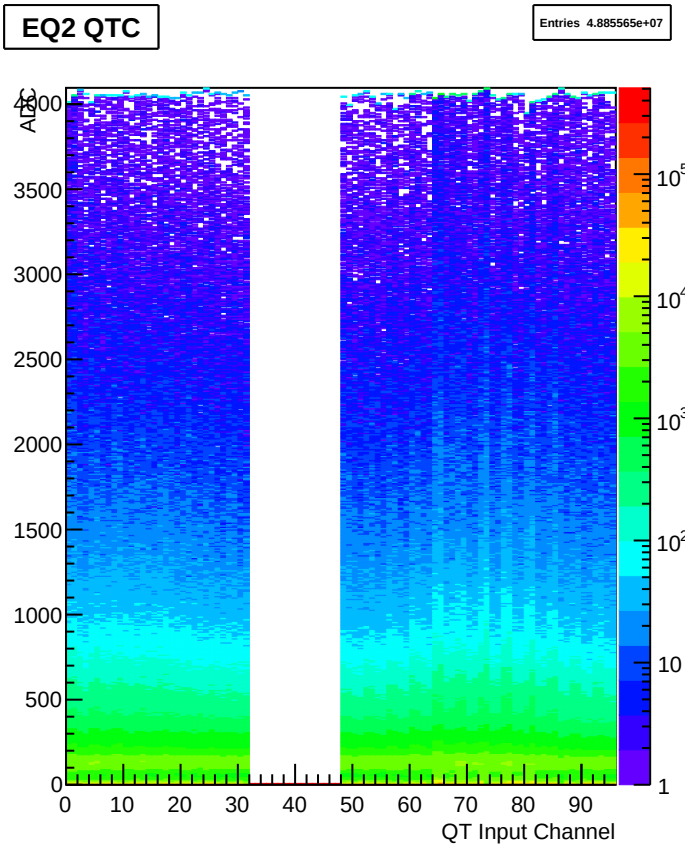

EQ1 QTB
Entries 4.771312e+07
TDC
QT Input Channel

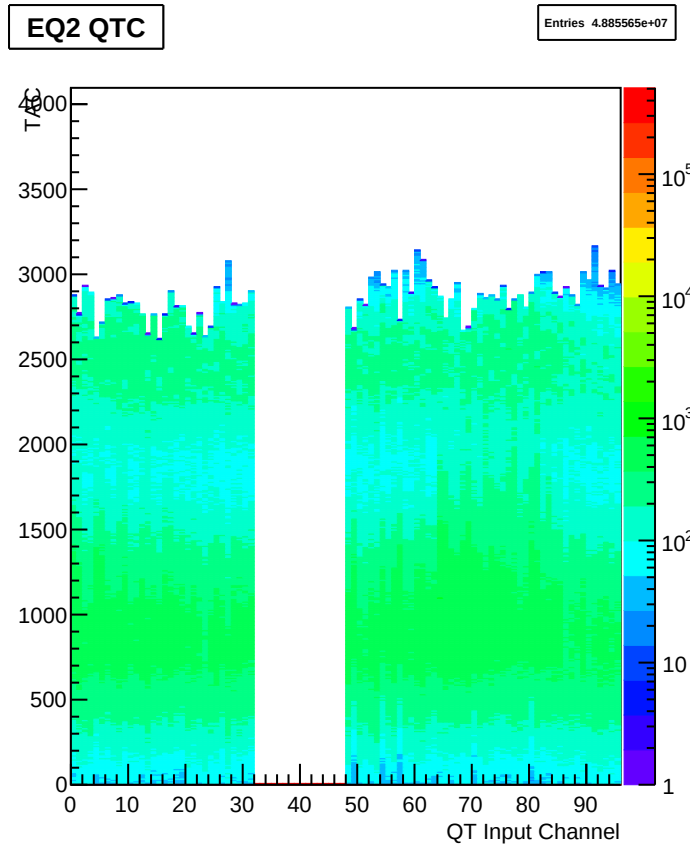

EQ1 QTC
Entries 4.885565e+07
ADC
QT Input Channel

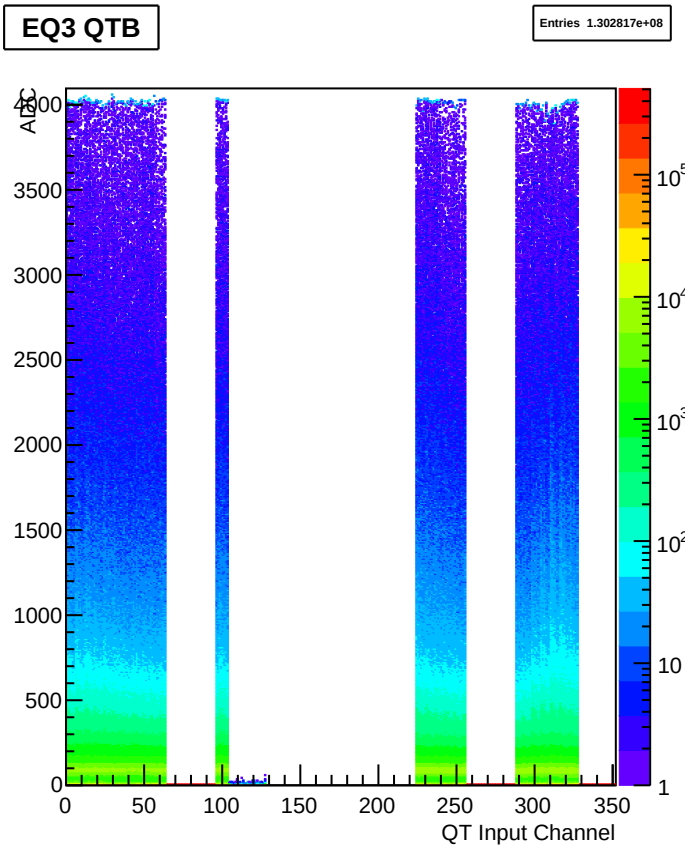

EQ1 QTC
Entries 4.885565e+07
TADC
QT Input Channel

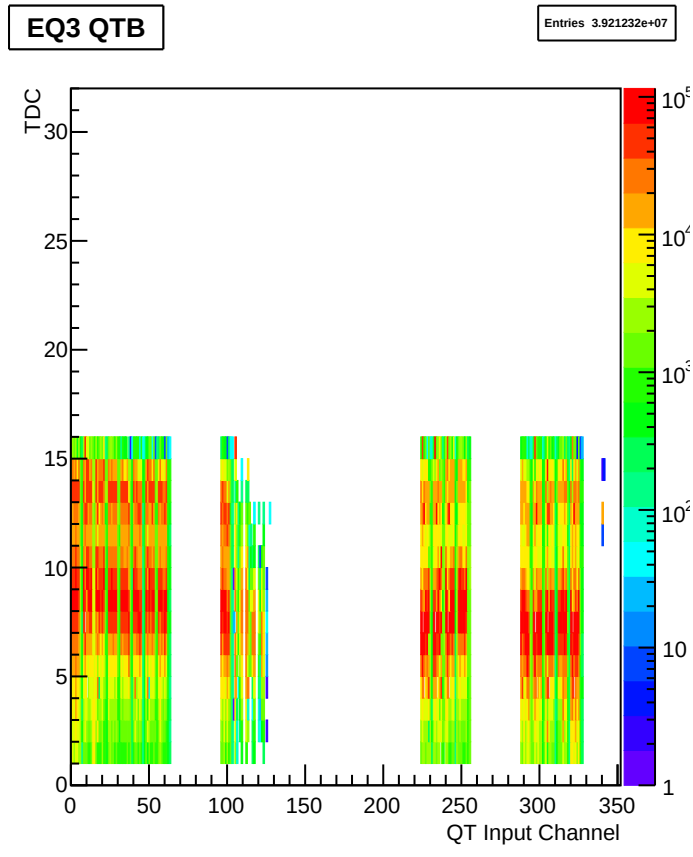

EQ2 QTB
Entries 1.465669e+08
ADC
QT Input Channel

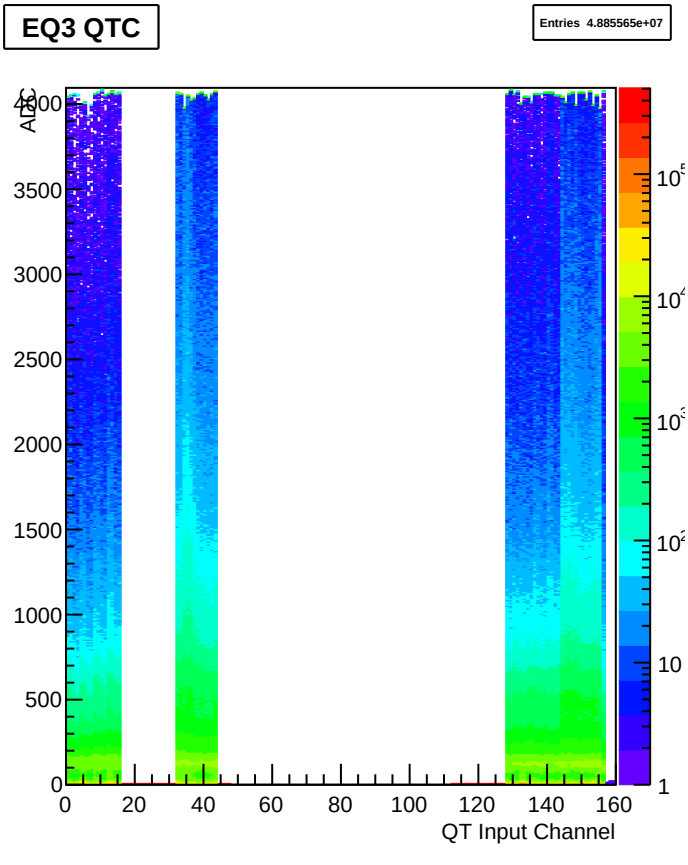

EQ2 QTB
Entries 4.833016e+07
TDC
QT Input Channel


EQ2 QTC
Entries 4.885565e+07
ADC
QT Input Channel


EQ2 QTC
Entries 4.885565e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.302817e+08
ADC
QT Input Channel


EQ3 QTB
Entries 3.921232e+07
TDC
QT Input Channel


EQ3 QTC
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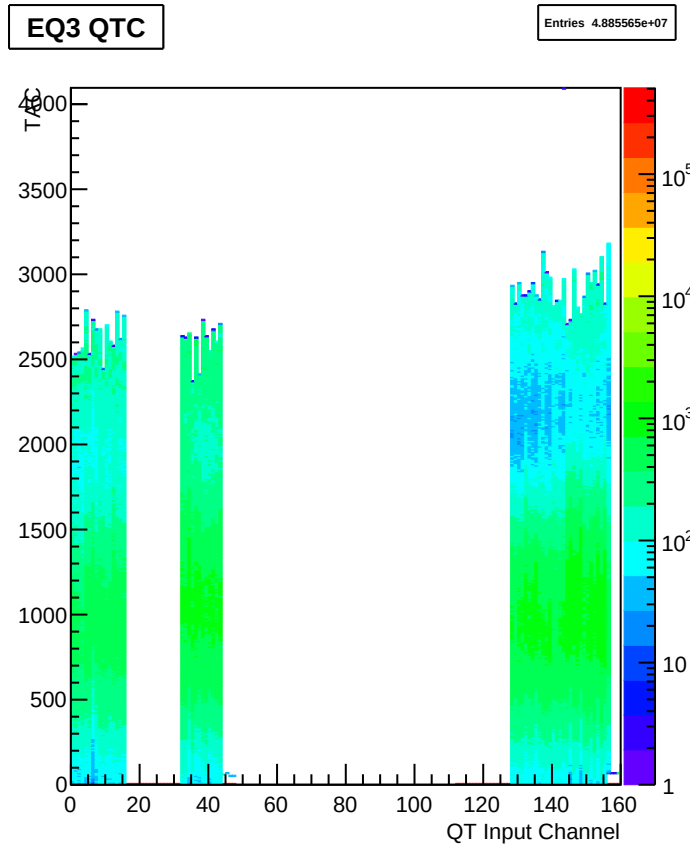
ADC
QT Input Channel


EQ3 QTC
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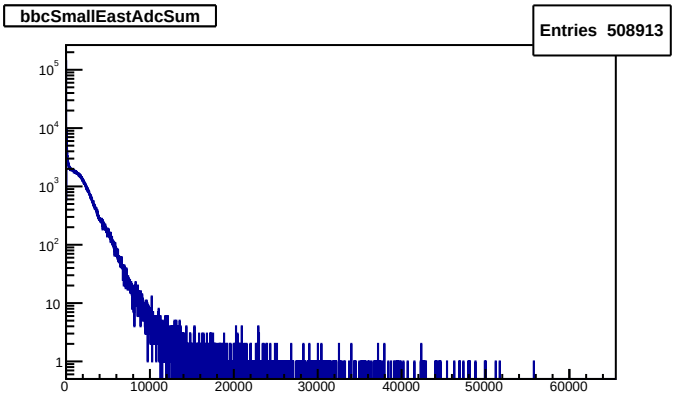
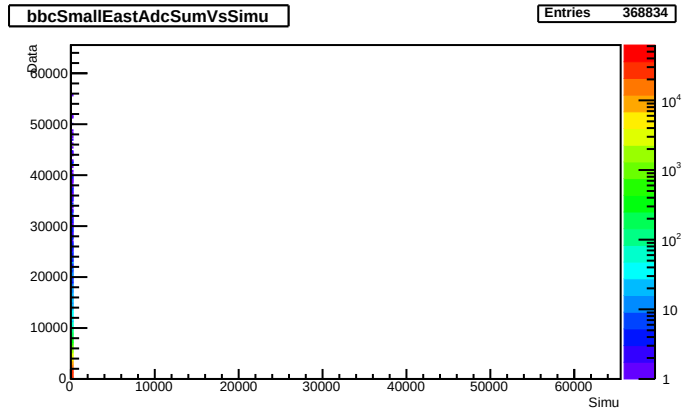
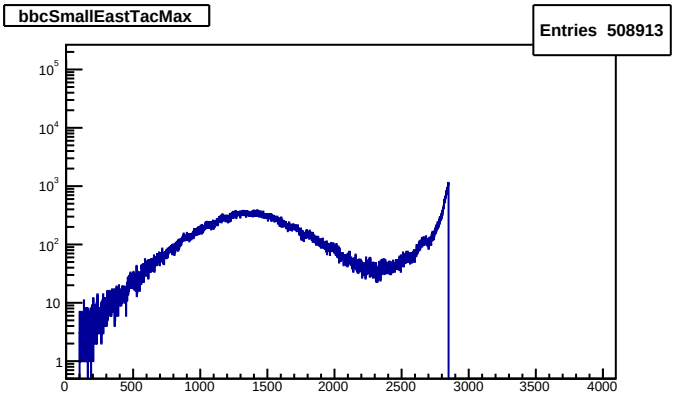
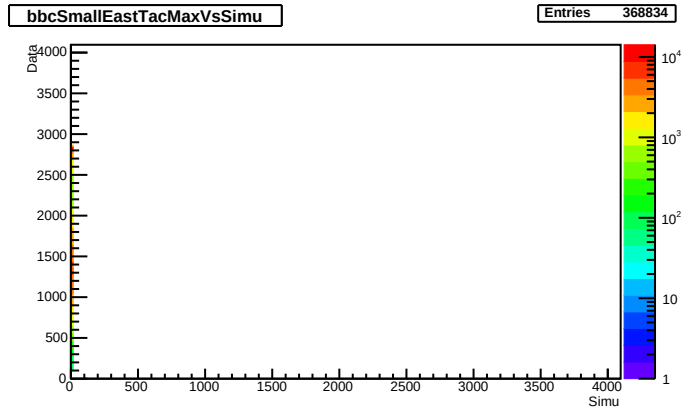
QT Input Channel


bbcSmallEastAdcSum
Entries 508913


bbcSmallEastAdcSumVsSimu
Entries 368834
Data
Simu


bbcSmallEastTacMax
Entries 508913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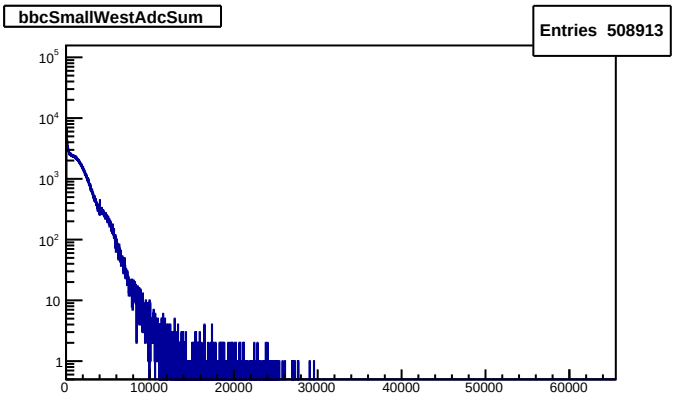
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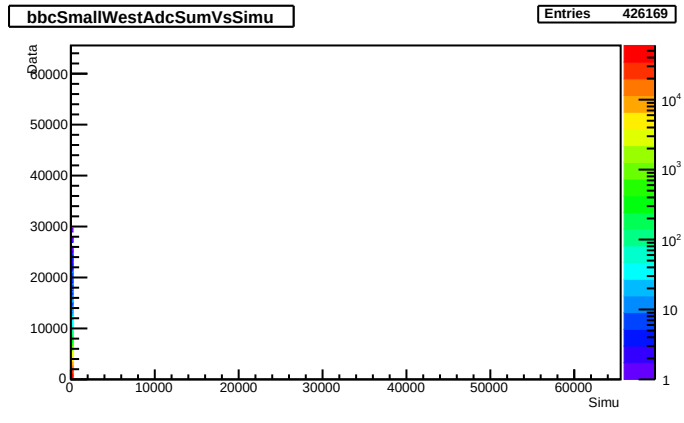
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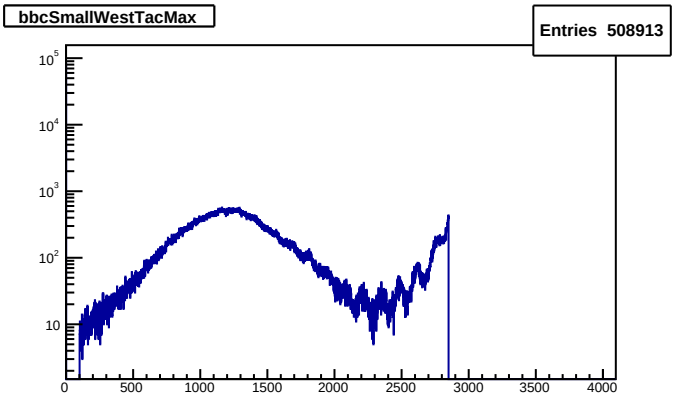
Entries 426169
Data
Simu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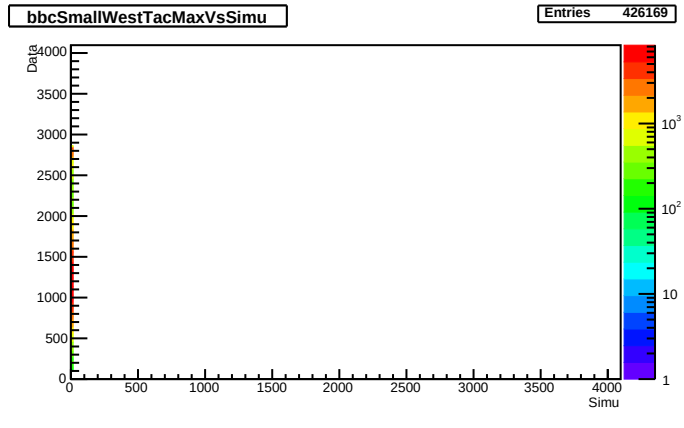
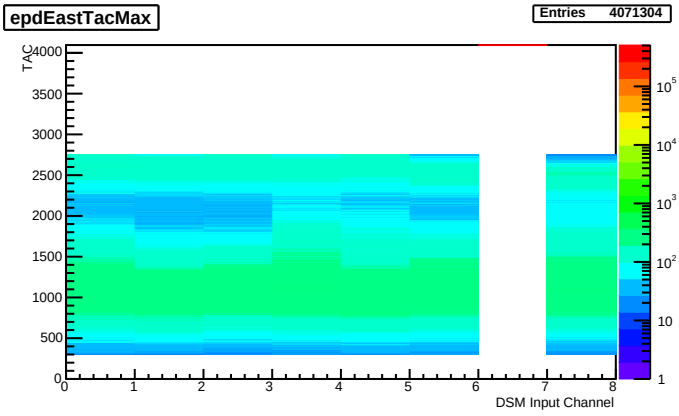
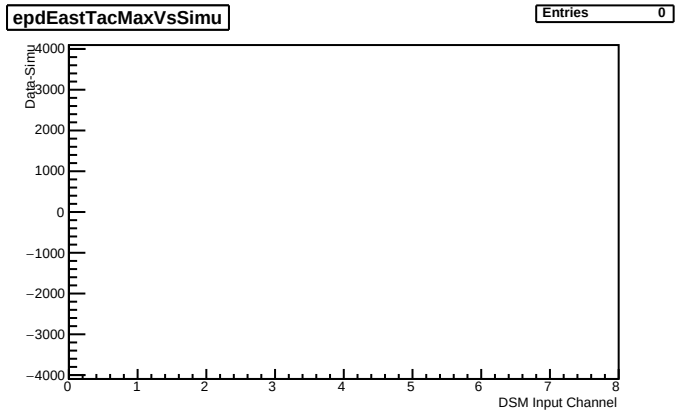
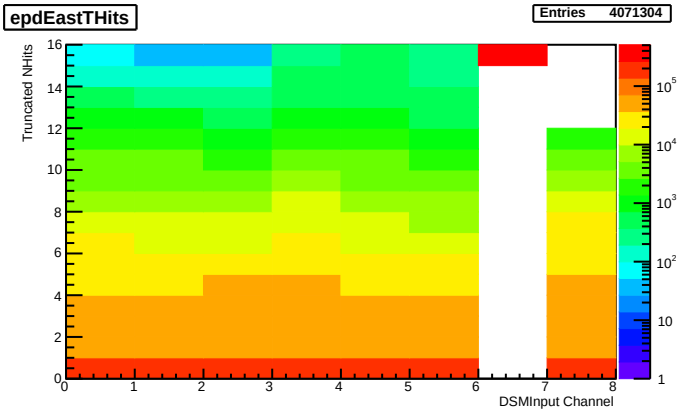
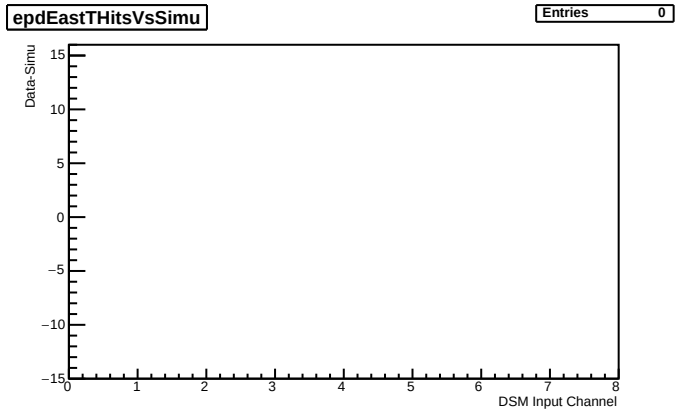
Entries 508913


bbcSmallWestTacMaxVsSimu
Entries 426169
Data
Simu


epdEastTacMax
Entries 4071304
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4071304
Truncated NHits
DSMInput Channel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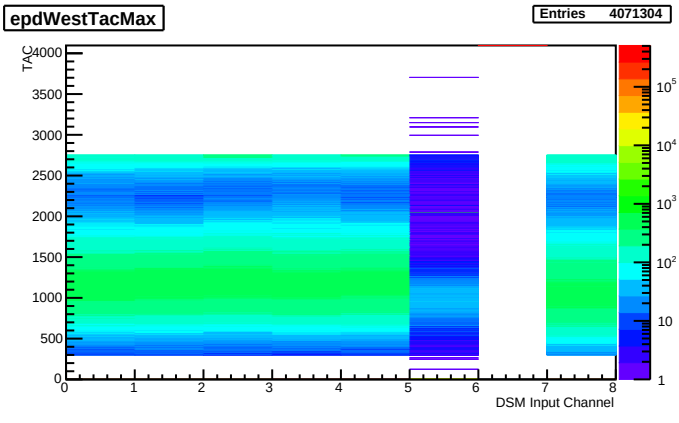
DSM Input Channel


epdWestTacMax
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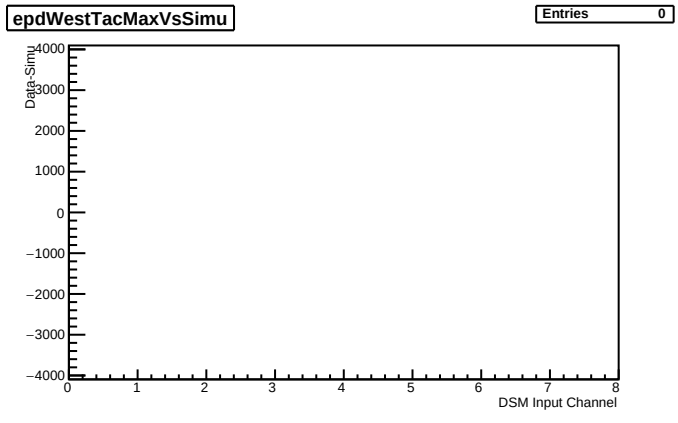
TAC
DSM Input Channel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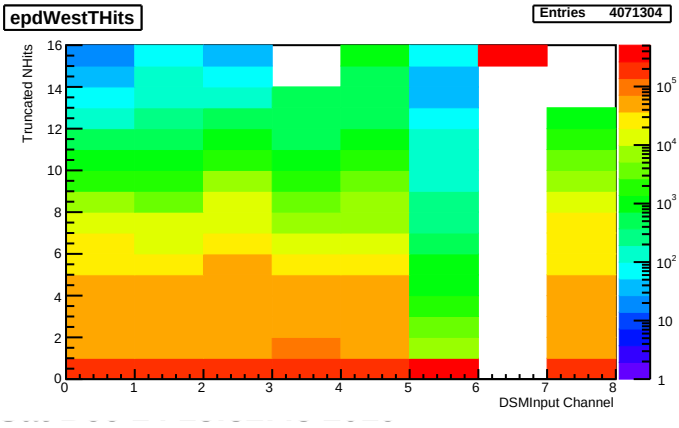
Entries 0
Data-Simu
DSM Input Channel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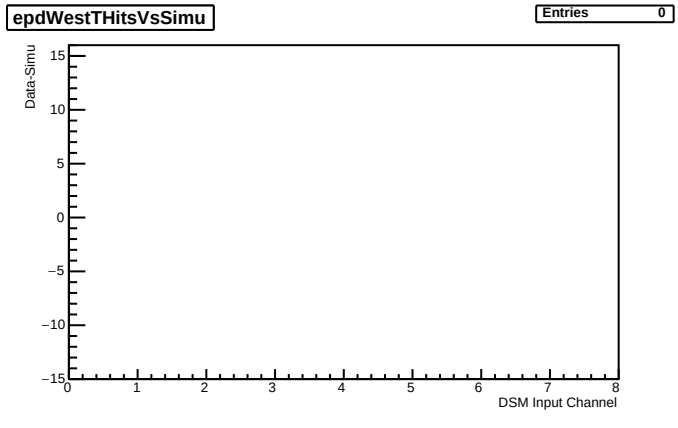
Truncated NHits
DSMInput Channel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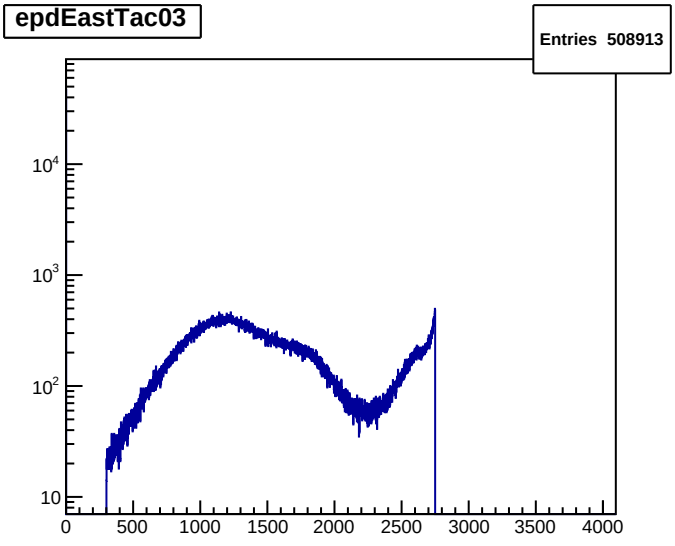
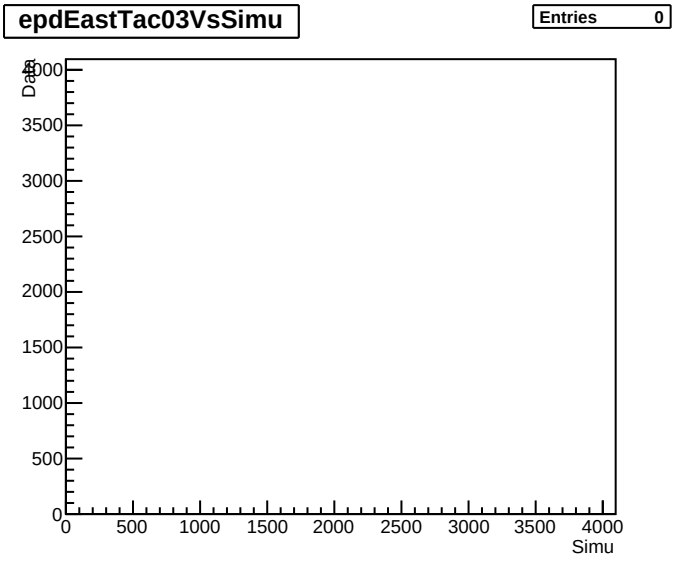
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 508913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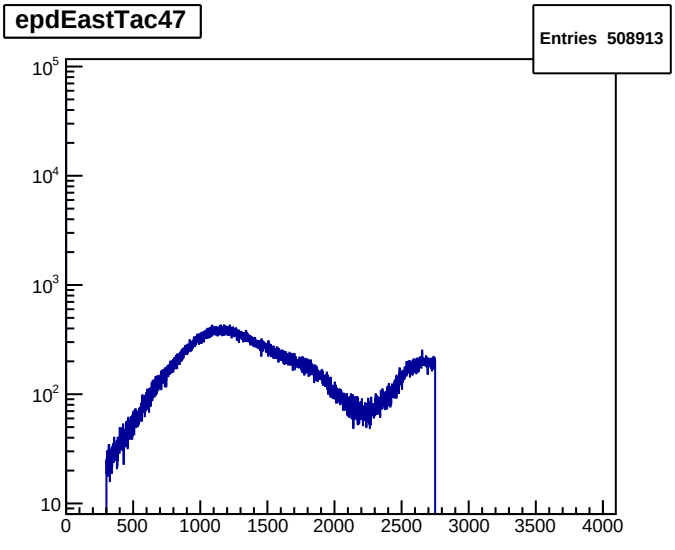
Entries 0
Data
Simu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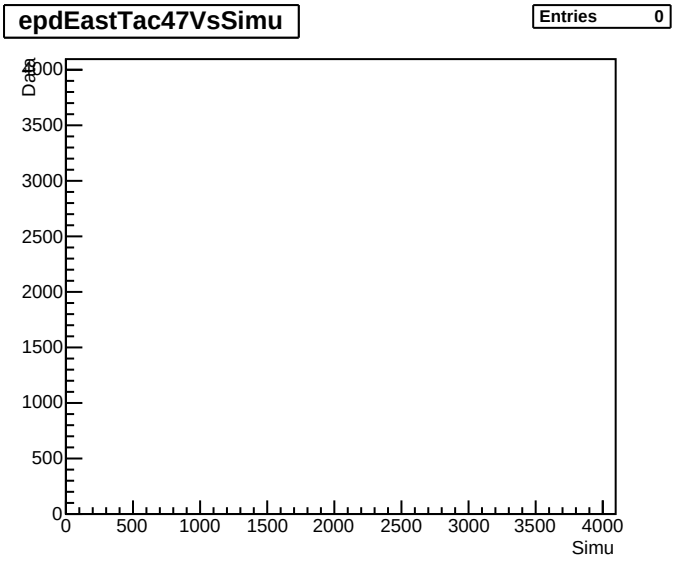
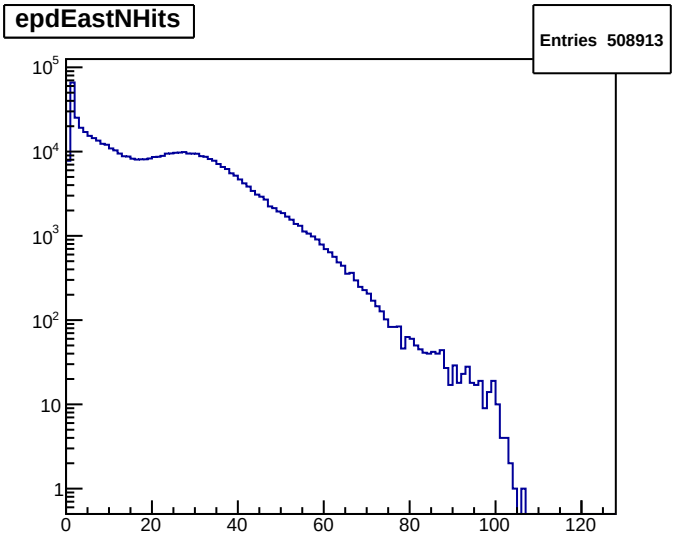
Entries 508913


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
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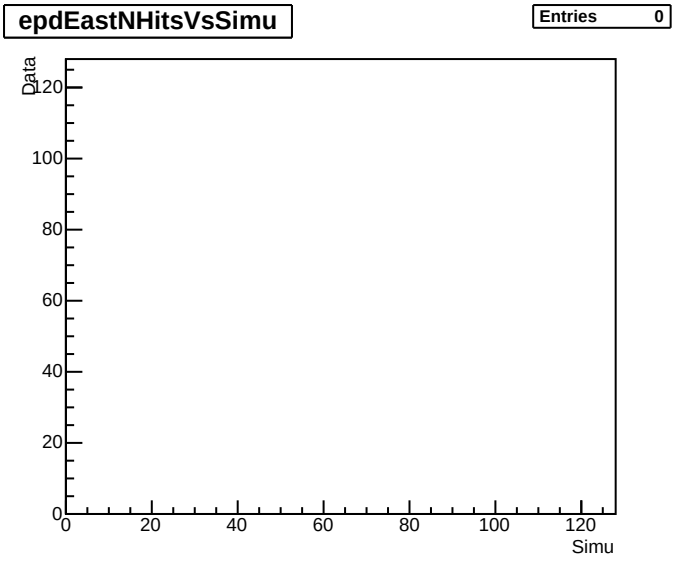
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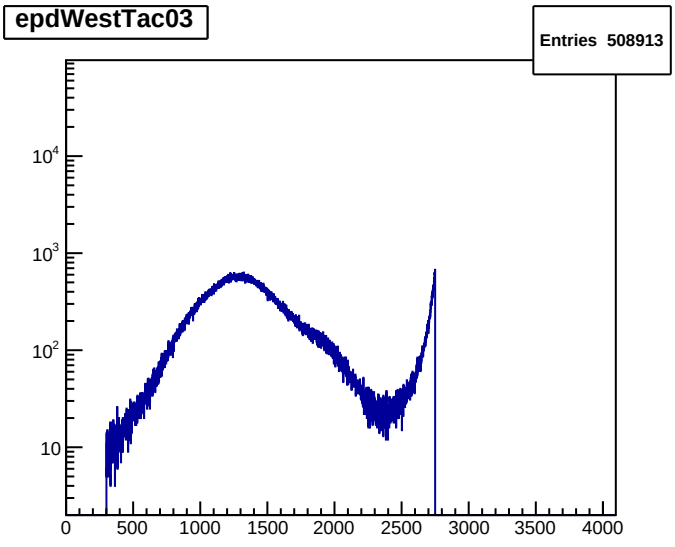
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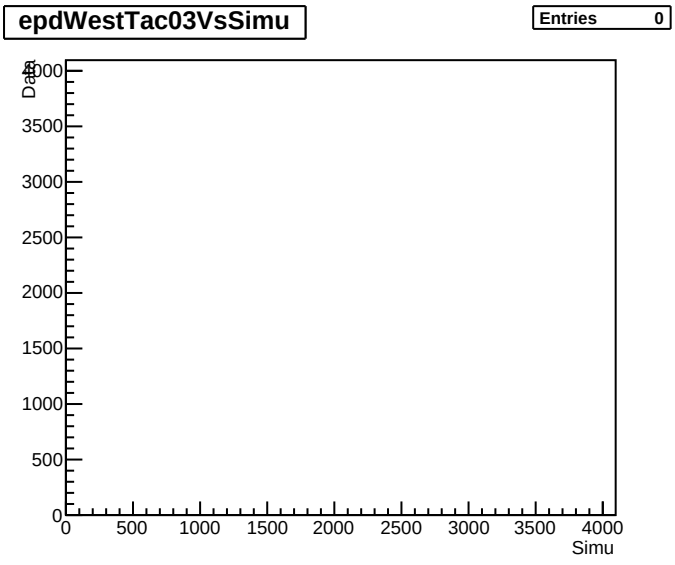
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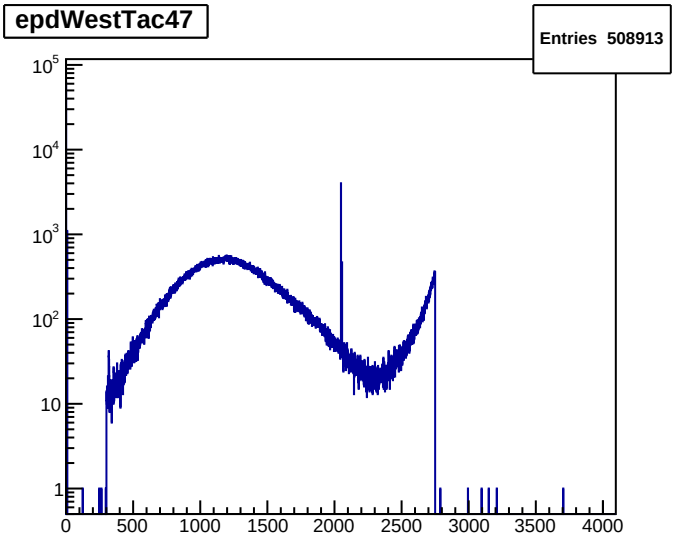
Entries 0
Data
Simu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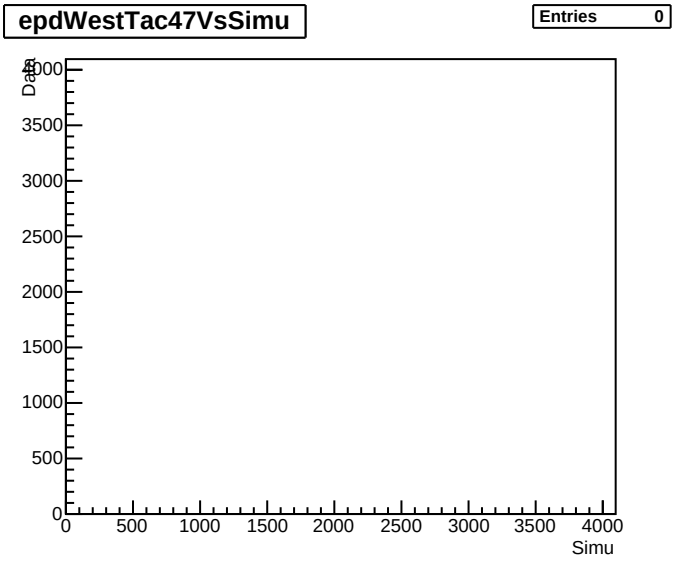
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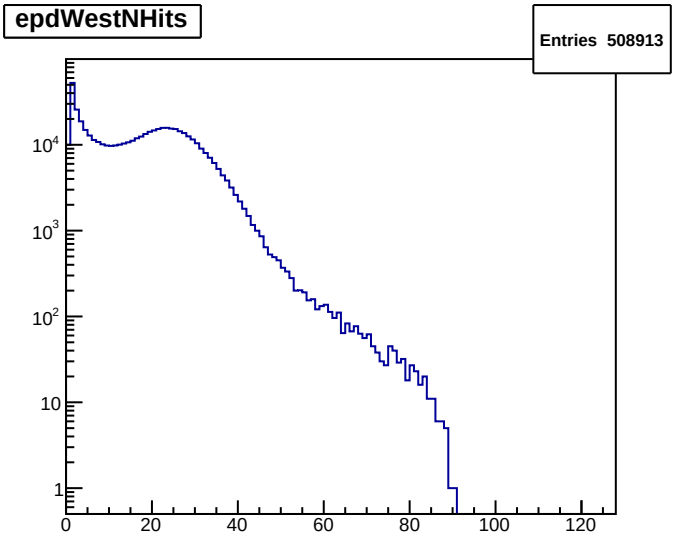
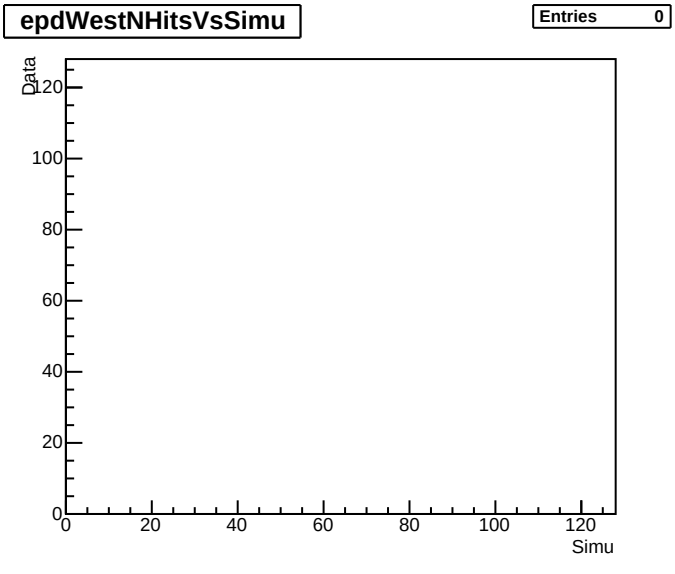
Data
Simu


epdWestNHits
Entries 508913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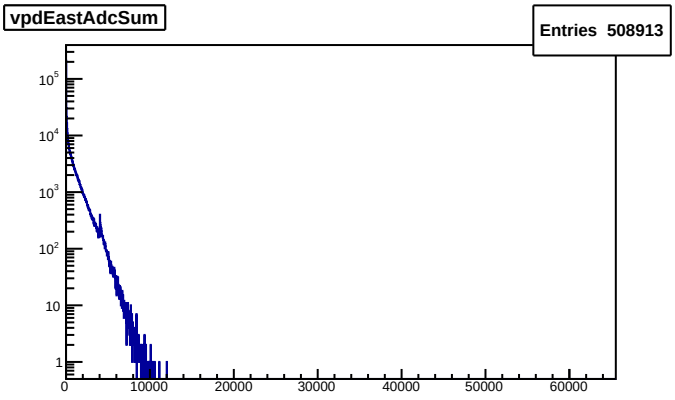
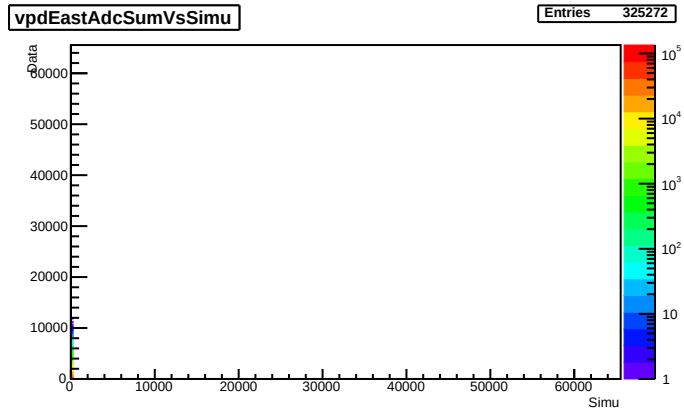
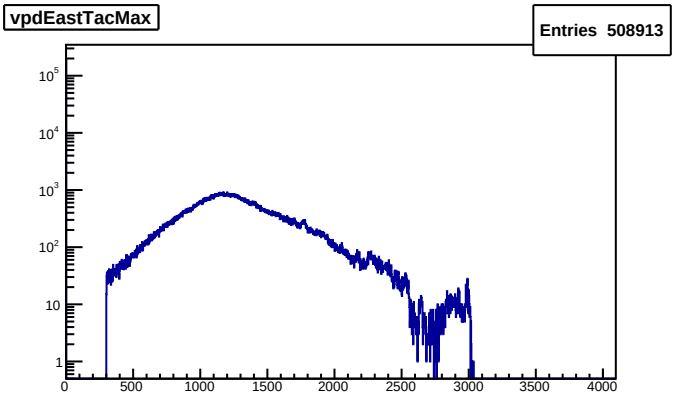
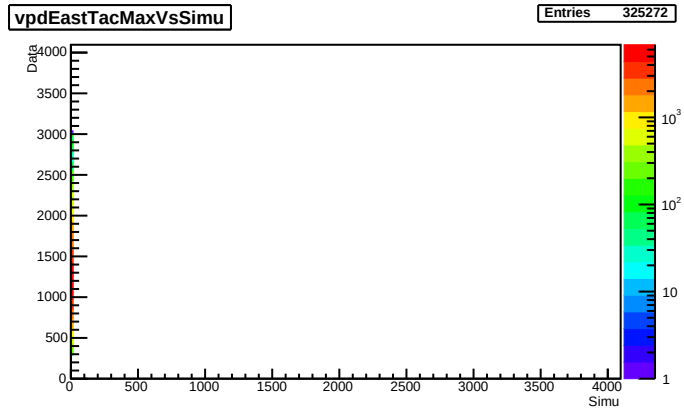
Entries 0
Data
Simu


vpdEastAdcSum
Entries 508913


vpdEastAdcSumVsSimu
Entries 325272
Data
Simu


vpdEastTacMax
Entries 508913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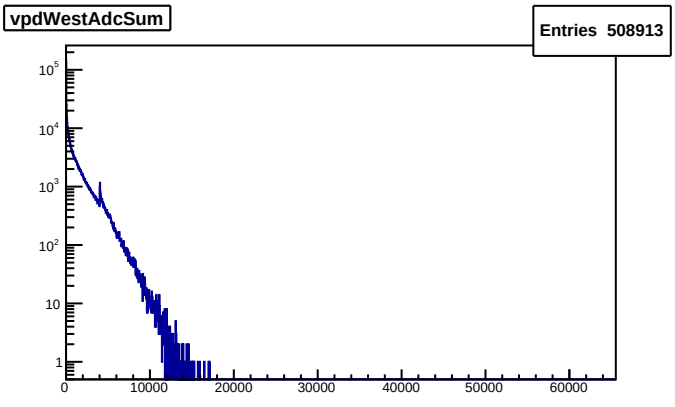
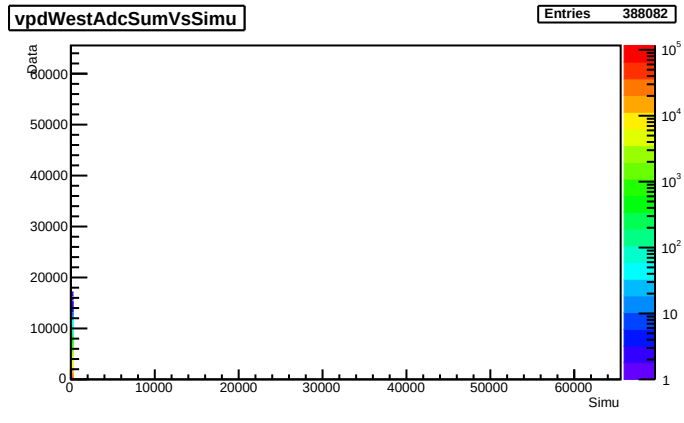
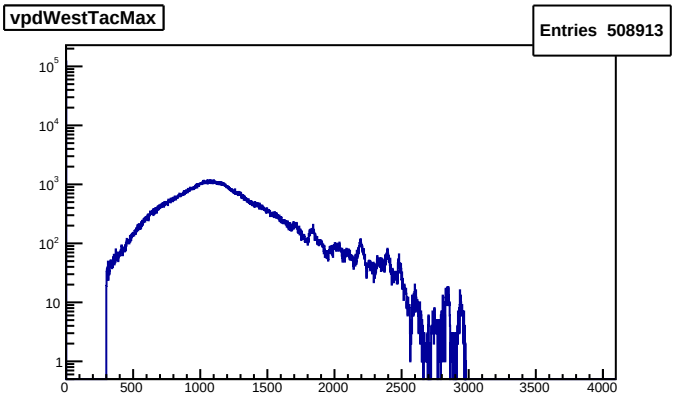
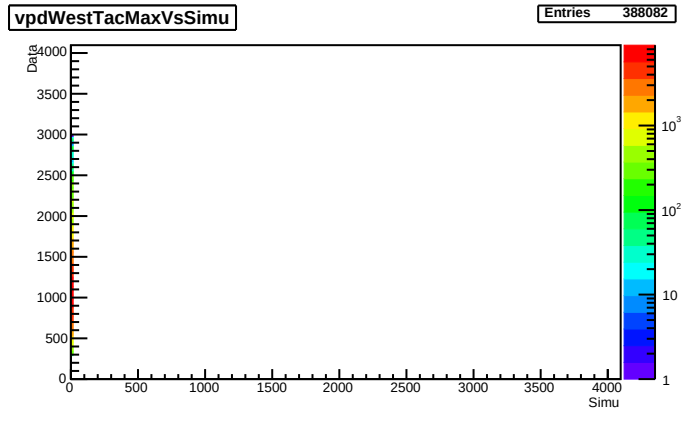
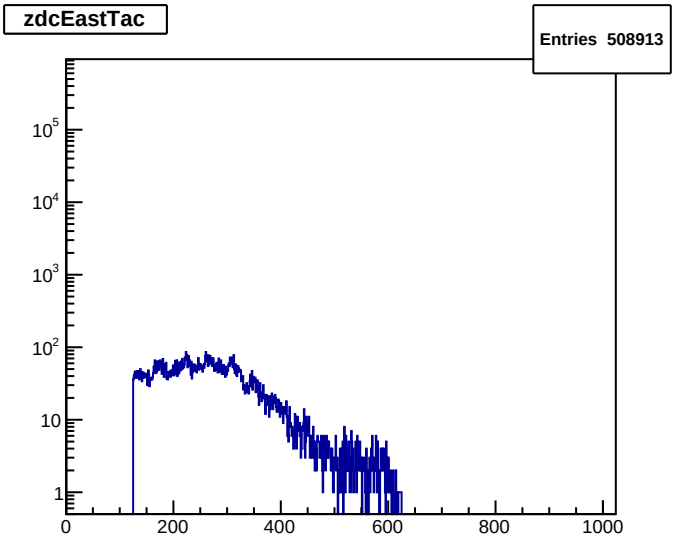
Entries 325272
Data
Simu

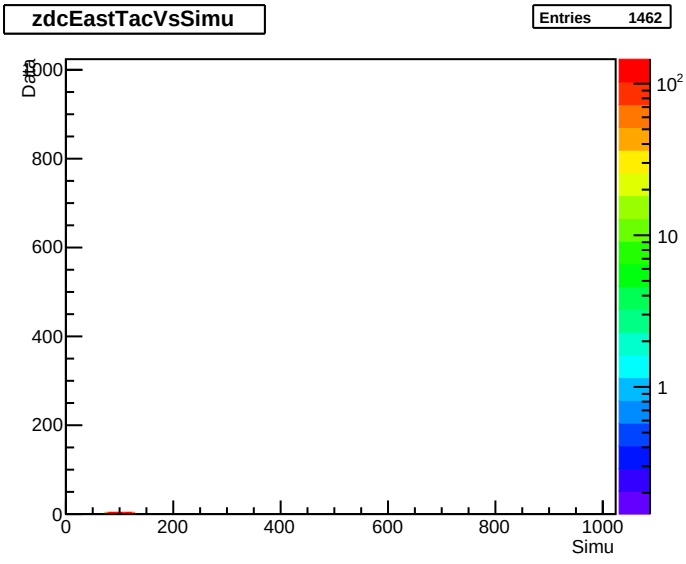

vpdWestAdcSum
Entries 508913

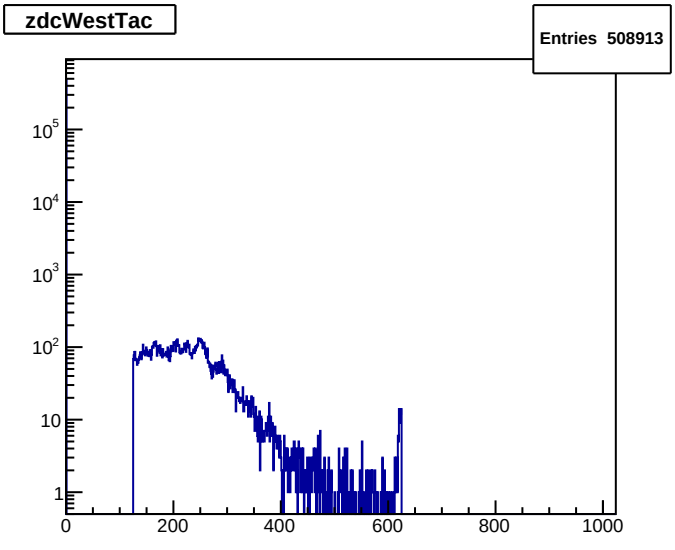

vpdWestAdcSumVsSimu
Entries 388082
Data
Simu

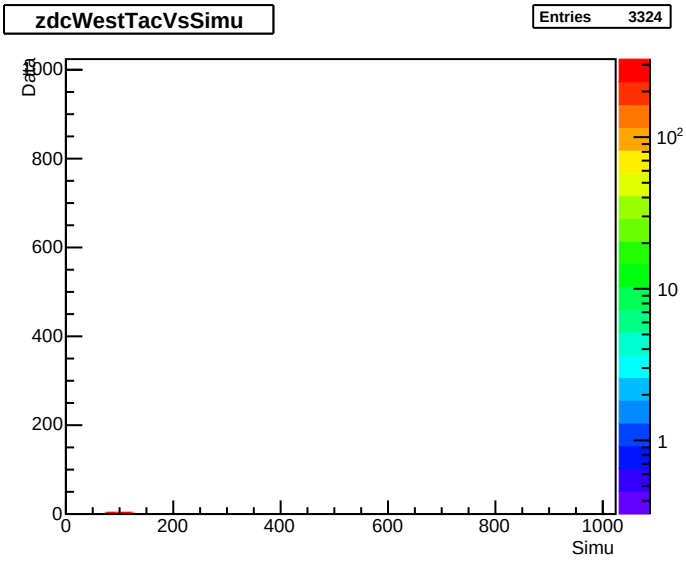

vpdWestTacMax
Entries 508913

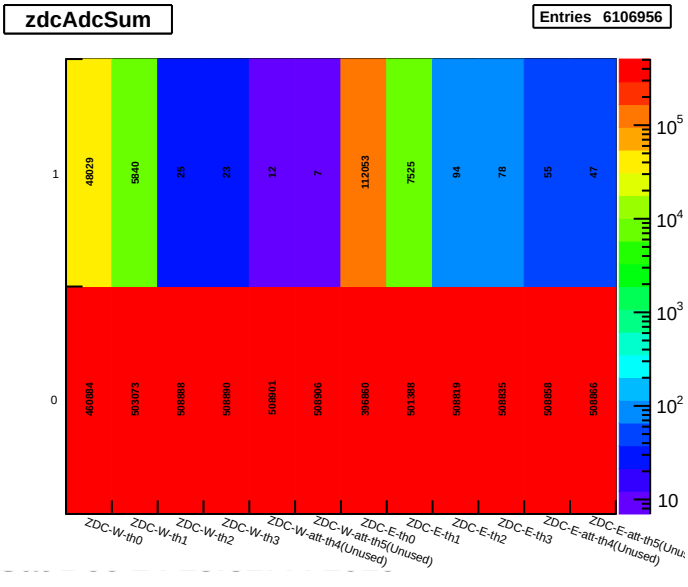

vpdWestTacMaxVsSimu
Entries 388082
Data
Simu

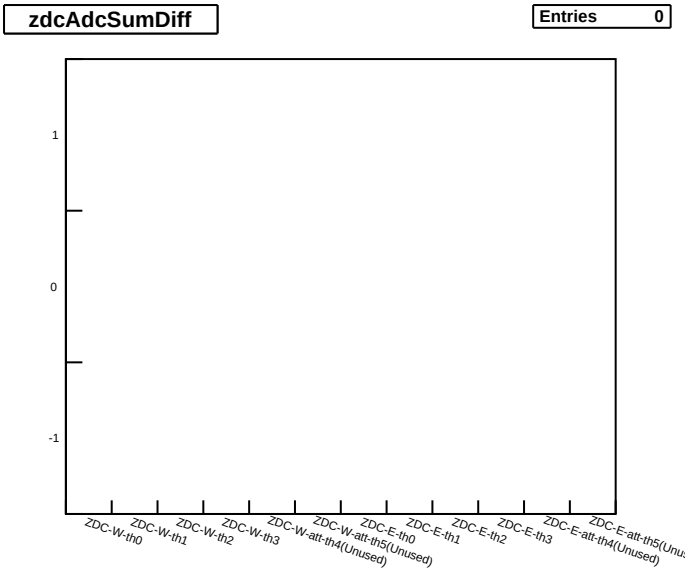

zdcEastTac
Entries 508913


zdcEastTacVsSimu
Entries 1462
Data
Simu


zdcWestTac
Entries 508913


zdcWestTacVsSimu
Entries 3324
Data
Simu


zdcAdcSum
Entries 6106956
49029
5640
25
23
12
7
112053
7525
94
78
55
47
460884
503073
508888
508890
508901
508906
396860
501388
508819
508835
508858
508866
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)
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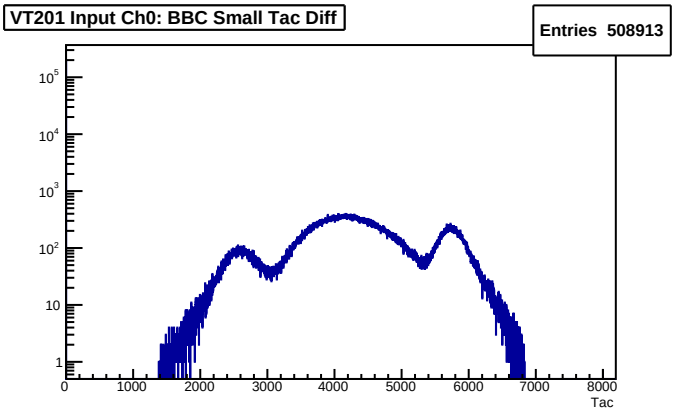
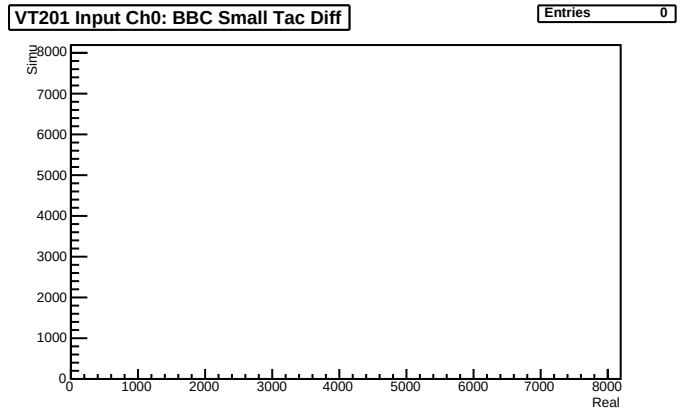
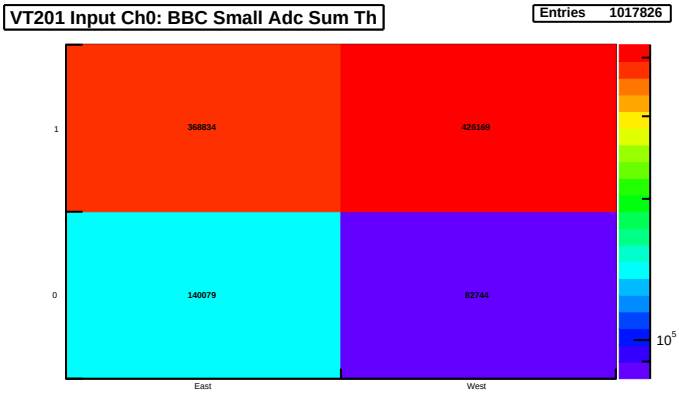
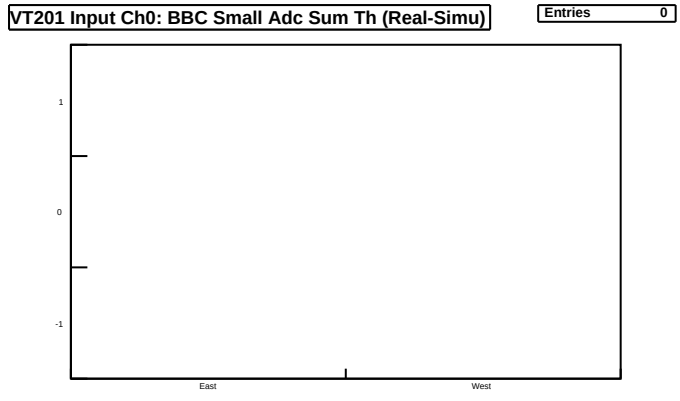
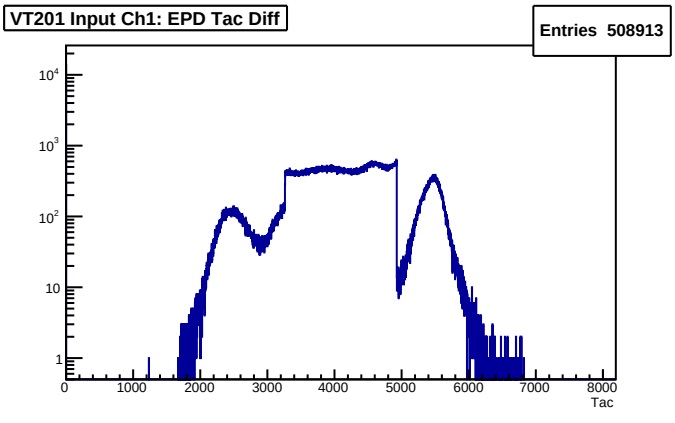
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

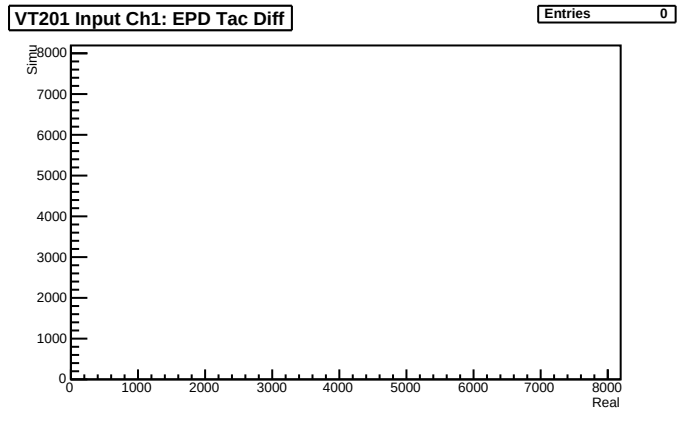

VT201 Input Ch0: BBC Small Tac Diff
Entries 508913
Tac

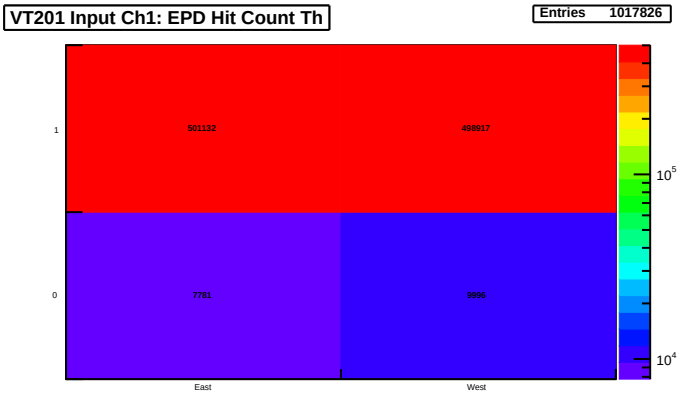

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

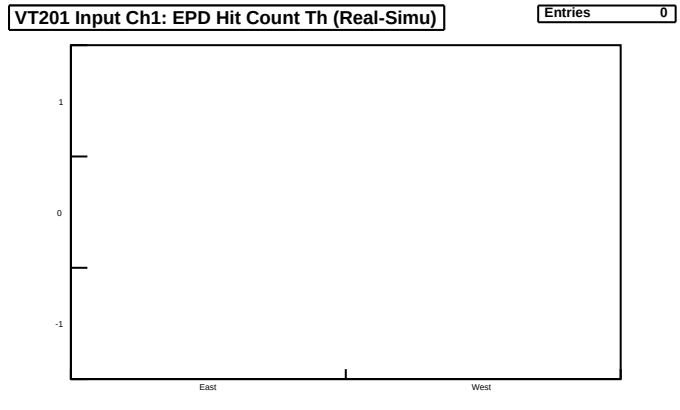

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1017826
368834
426169
140079
82744
East
West

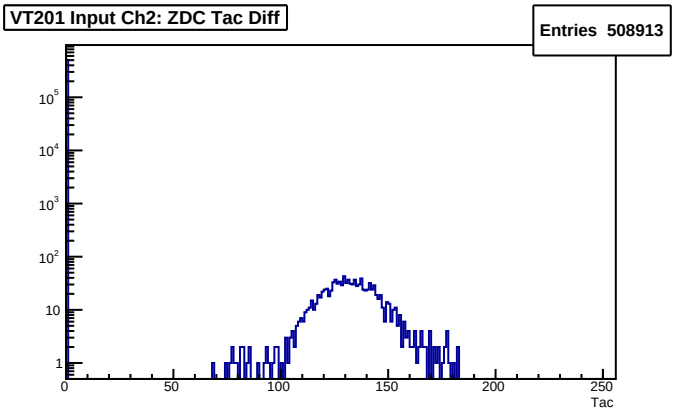

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

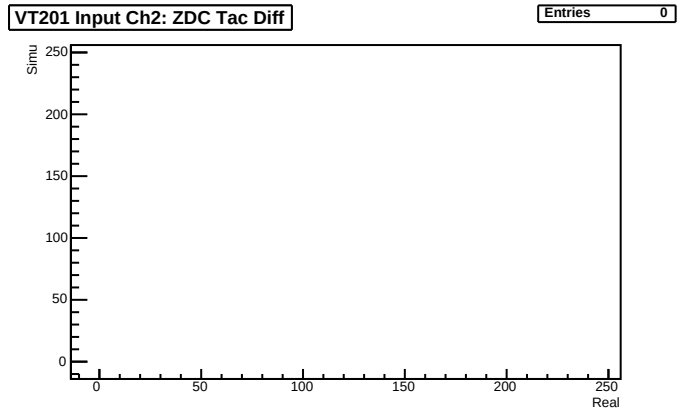

VT201 Input Ch1: EPD Tac Diff
Entries 508913
Tac

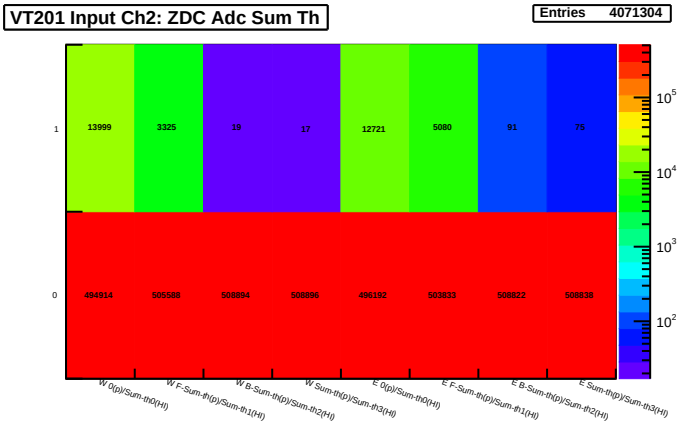

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

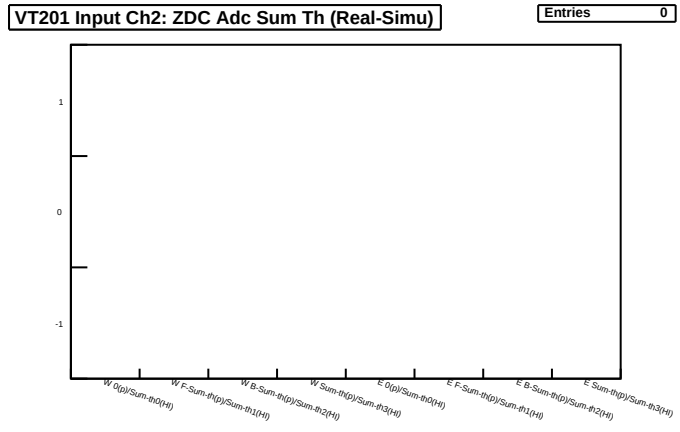

VT201 Input Ch1: EPD Hit Count Th
Entries 1017826
501132
498917
7781
9996
East
West

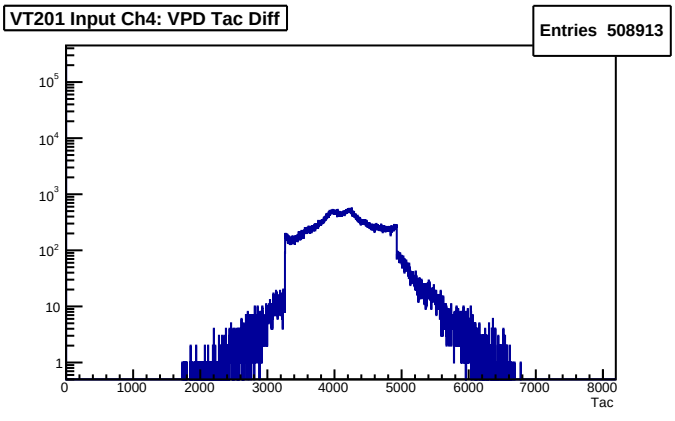

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

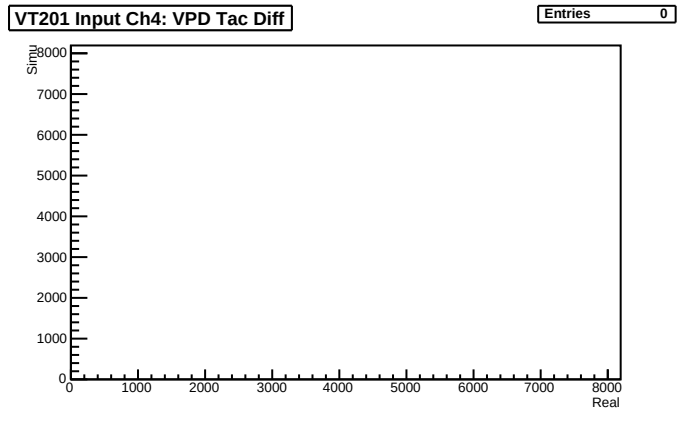

VT201 Input Ch2: ZDC Tac Diff
Entries 508913
Tac

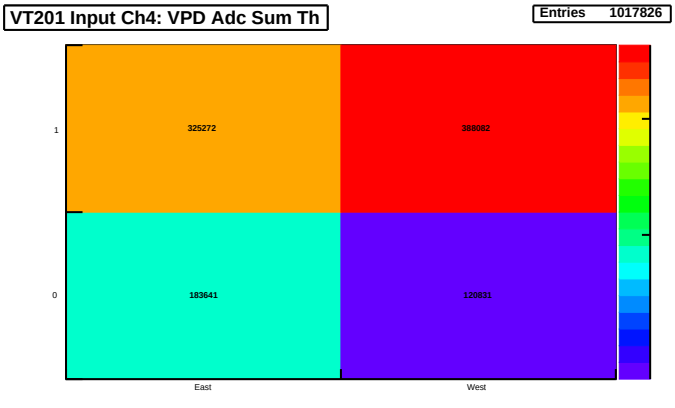

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

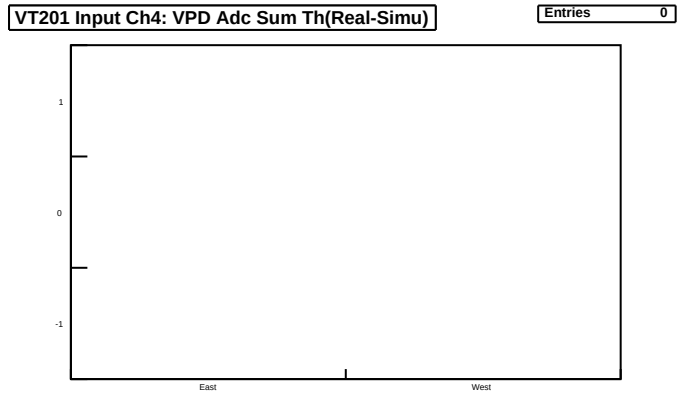

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4071304
13999
3325
19
17
12721
5080
91
75
494914
505588
508894
508896
496192
503833
508822
508838
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

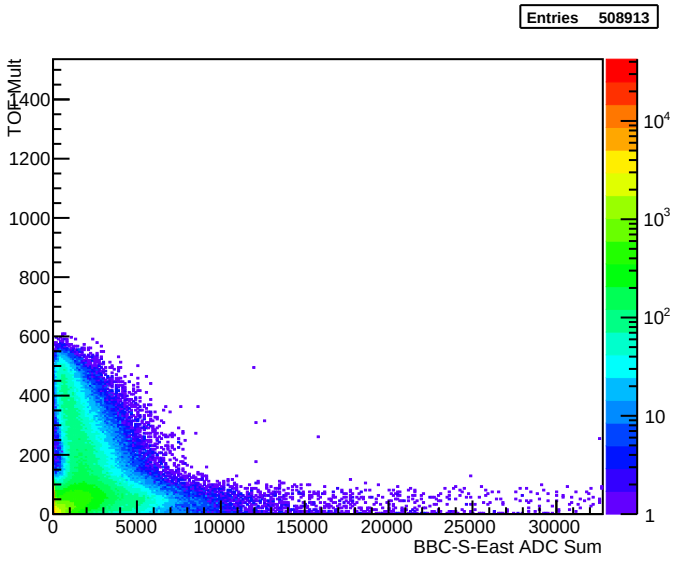

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

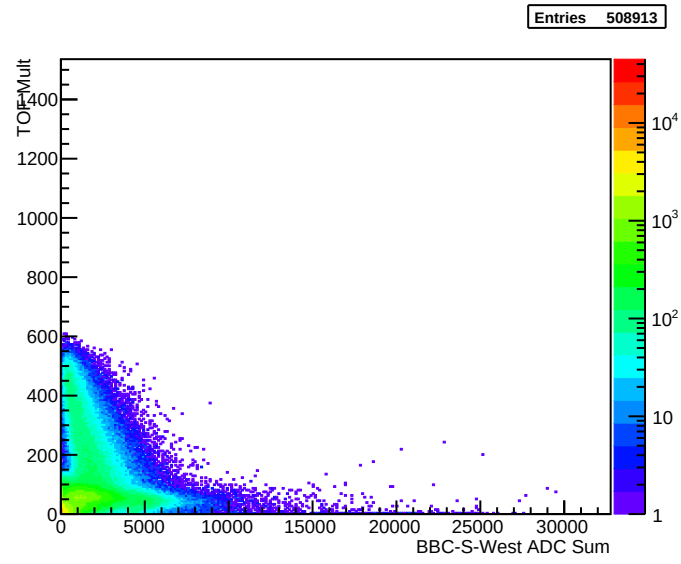

VT201 Input Ch4: VPD Tac Diff
Entries 508913
Tac

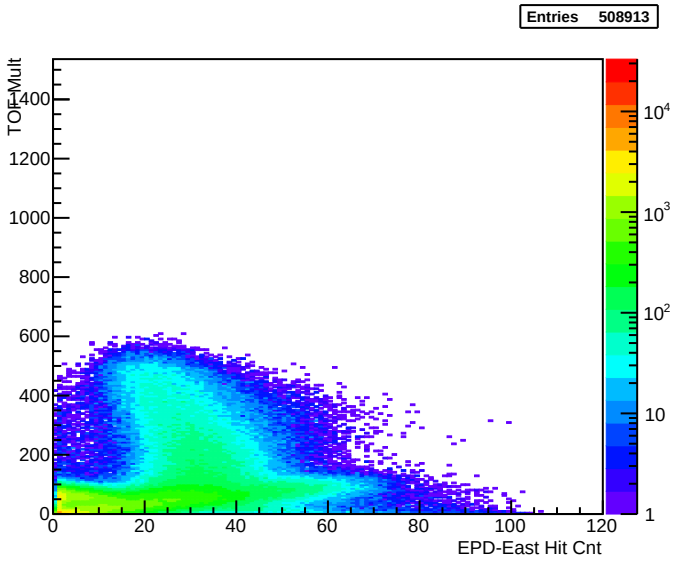

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

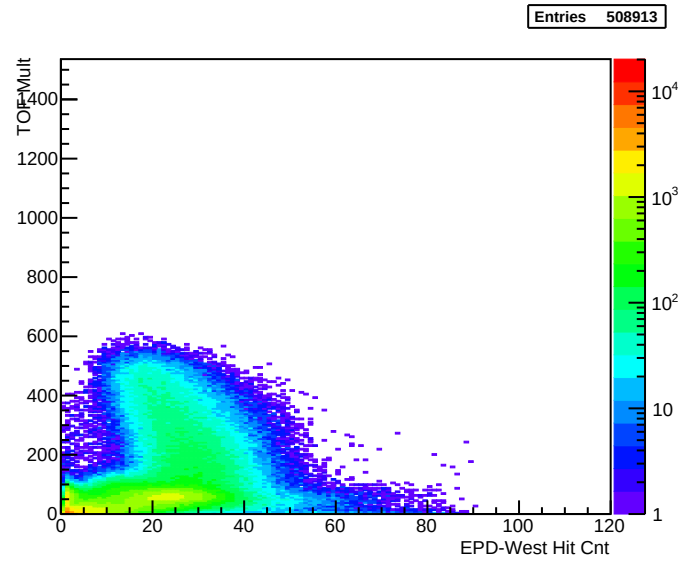

VT201 Input Ch4: VPD Adc Sum Th
Entries 1017826
325272
380082
183641
120831
East
West

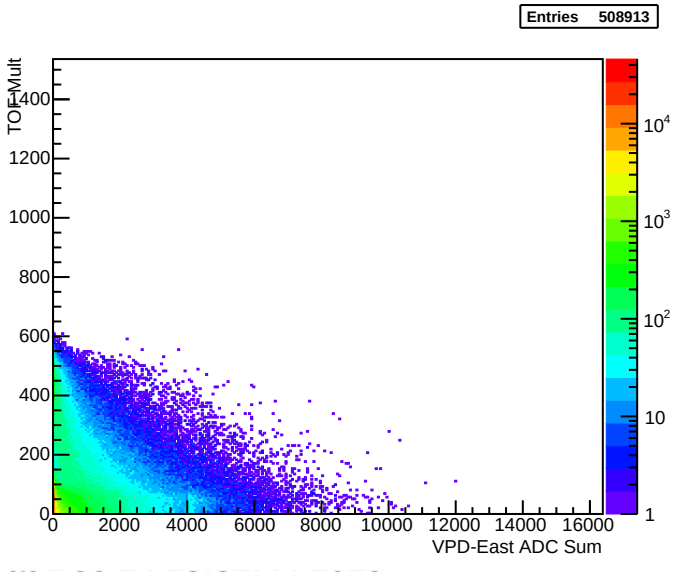

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

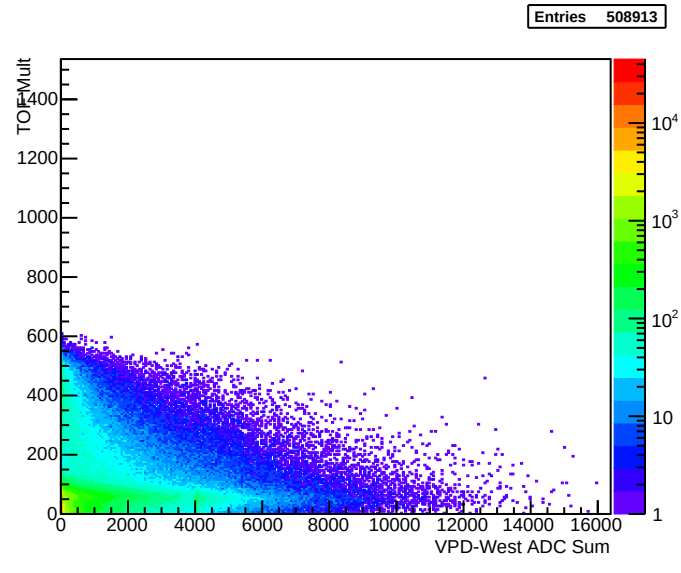

Entries 508913
TOF-Mult
BBC-S-East ADC Sum

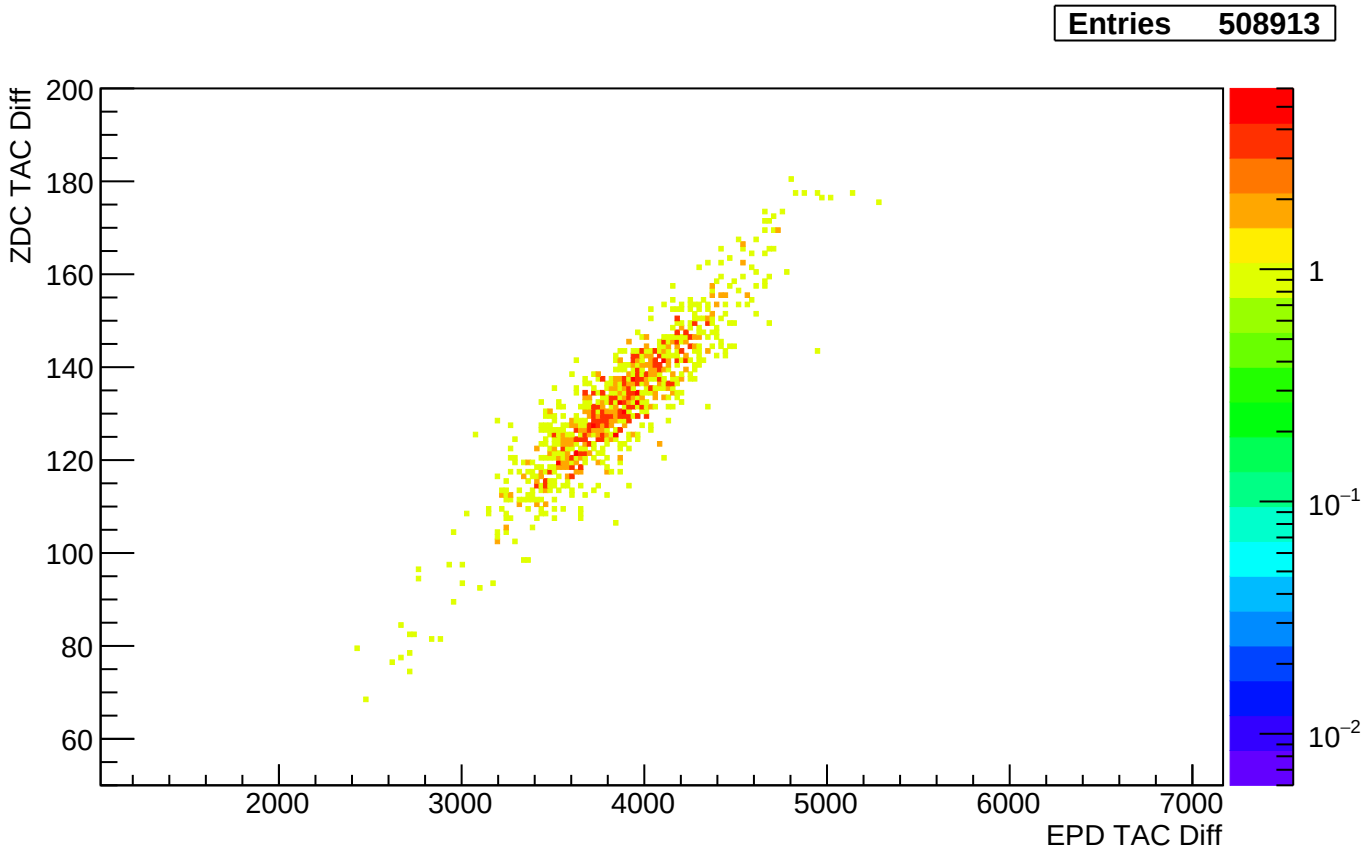

Entries 508913
TOF-Mult
BBC-S-West ADC Sum

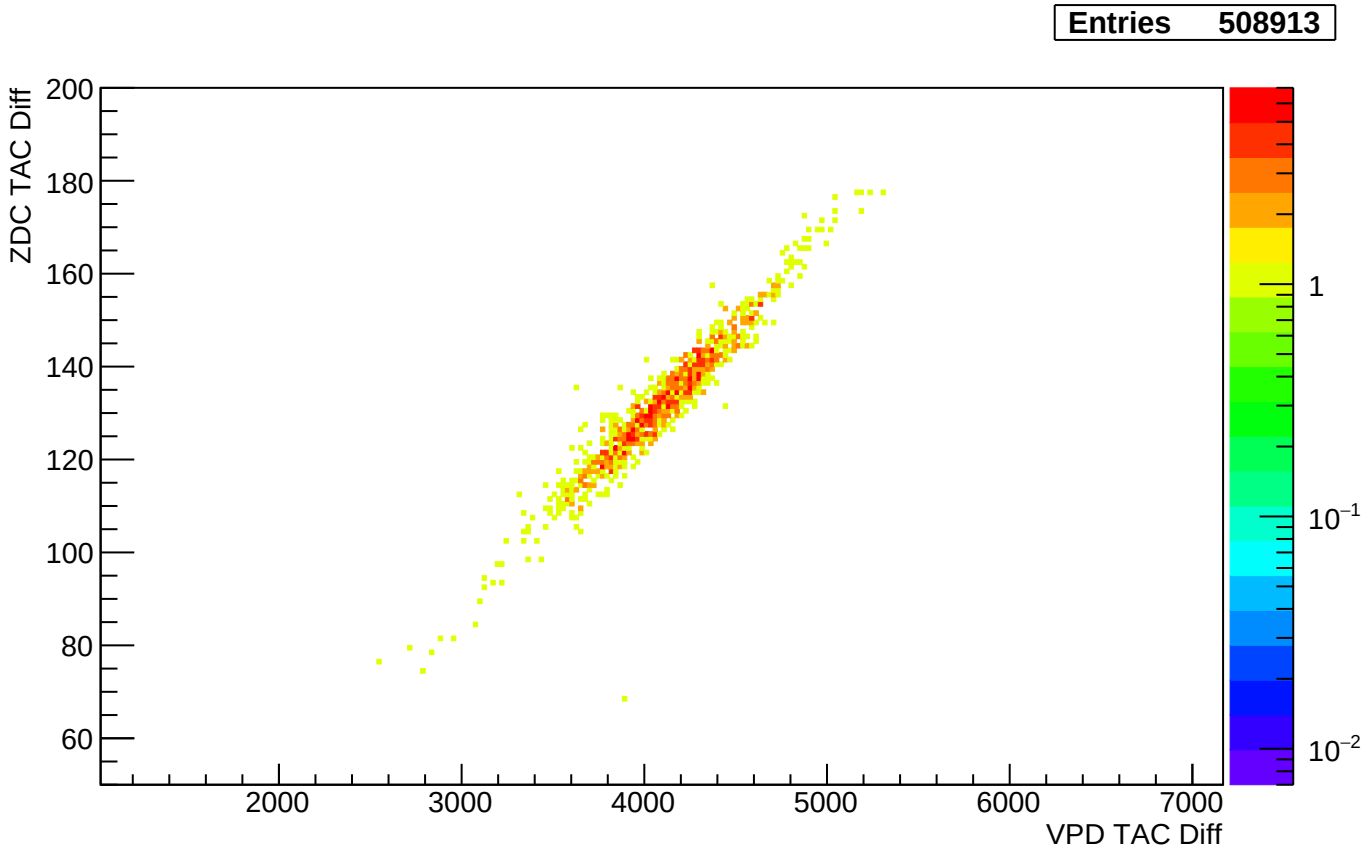

Entries 508913
TOF-Mult
EPD-East Hit Cnt

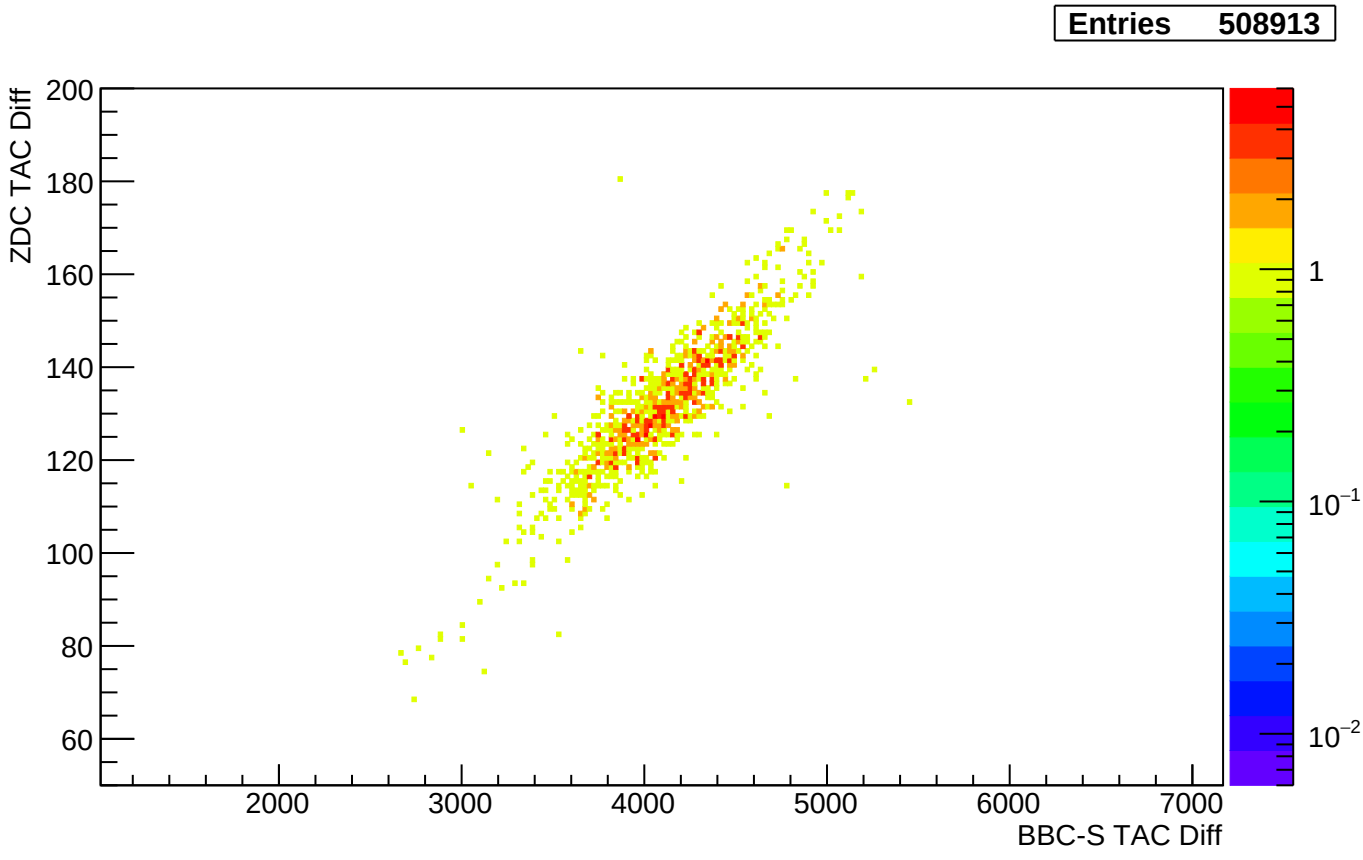

Entries 508913
TOF-Mult
EPD-West Hit Cnt

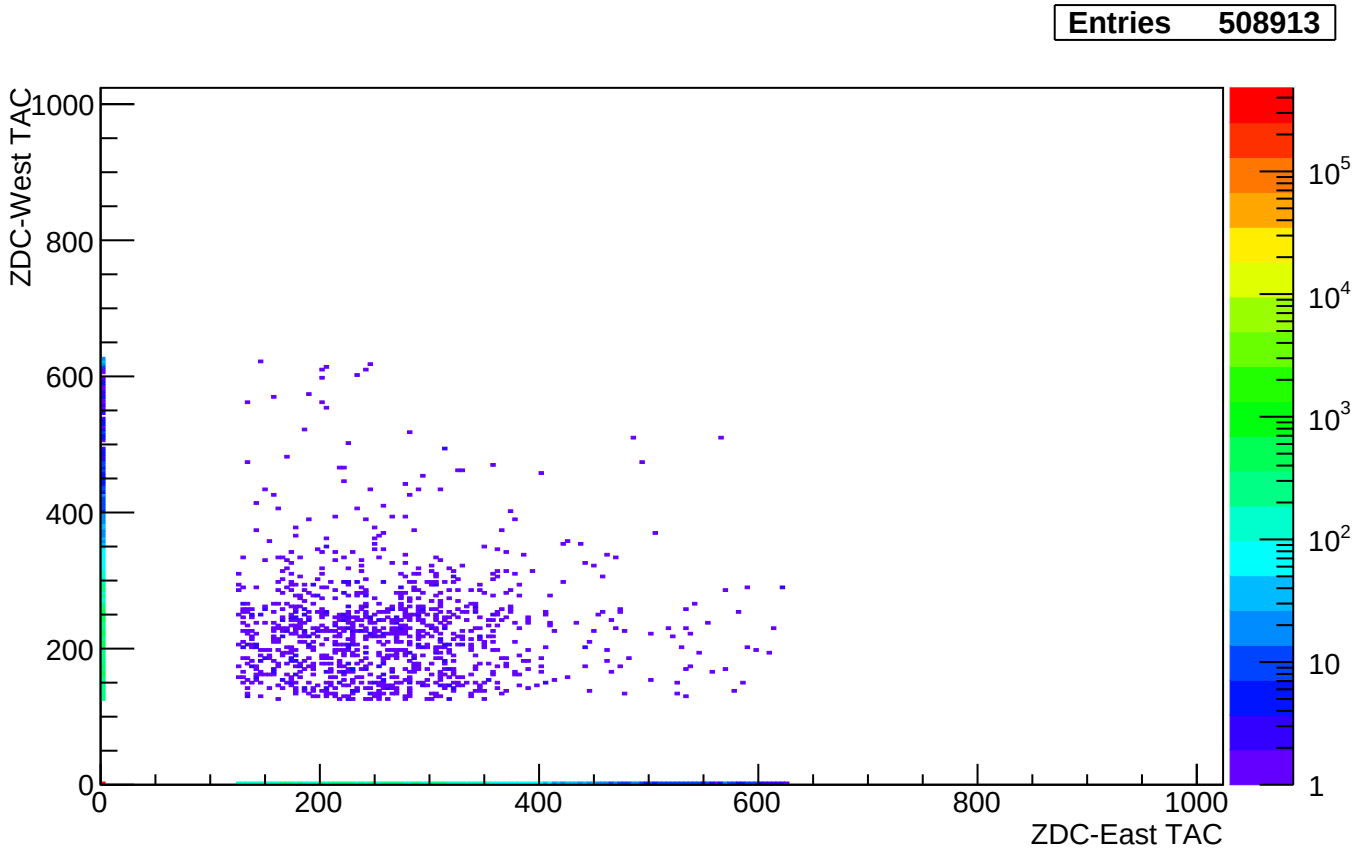

Entries 508913
TOF-Mult
VPD-East ADC Sum

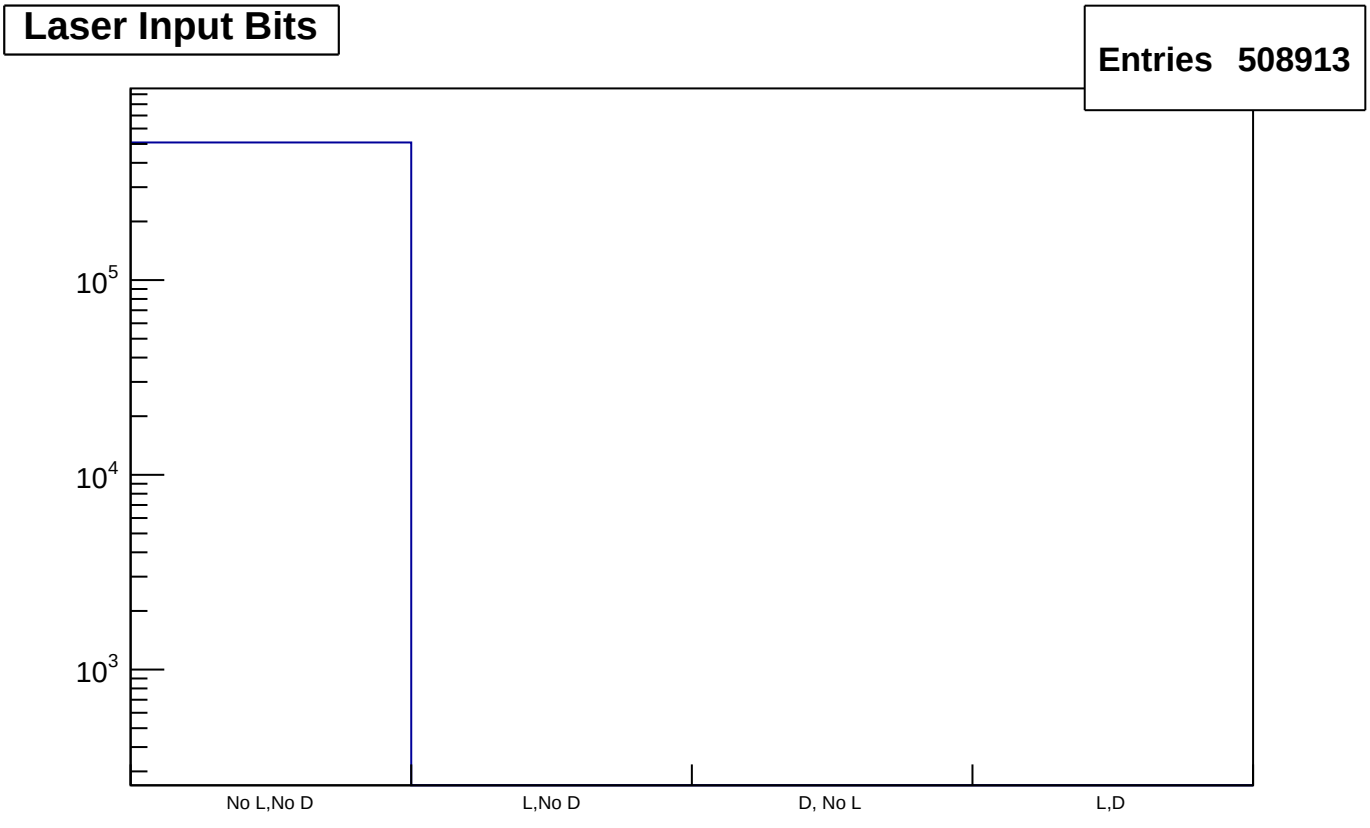

Entries 508913
TOF-Mult
VPD-West ADC Sum

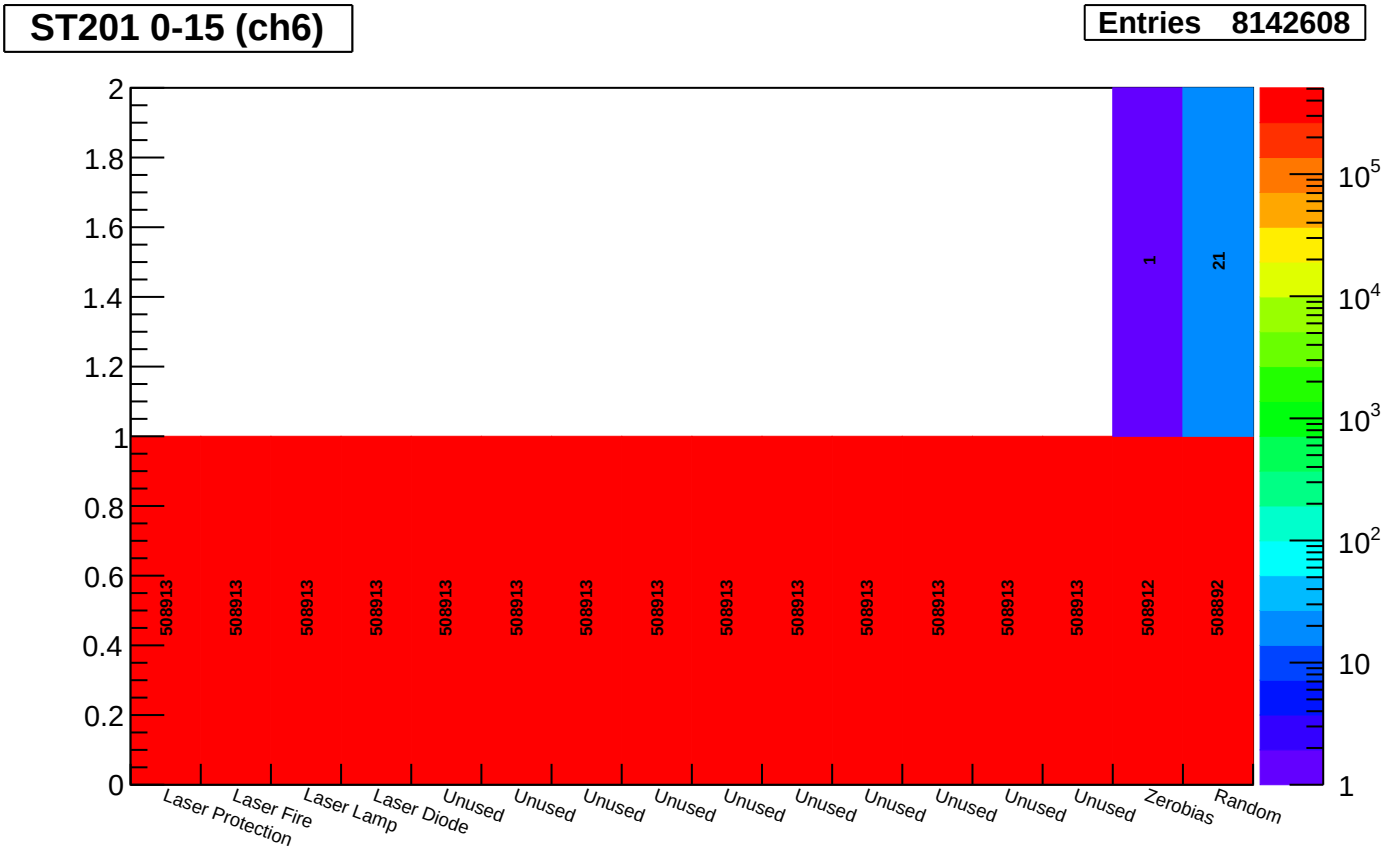

Entries 508913
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

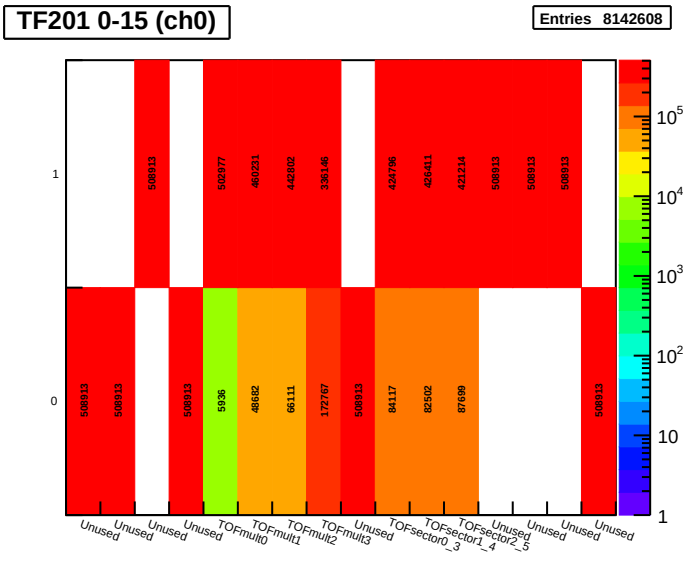

Entries 508913
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

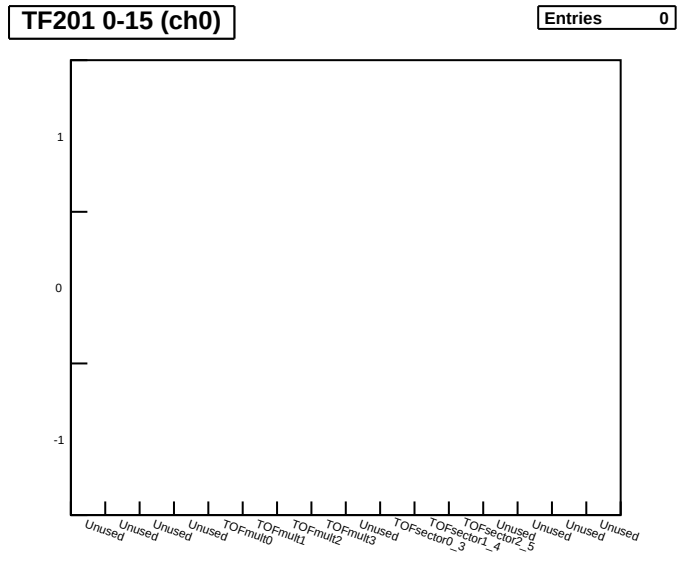

Entries 508913
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

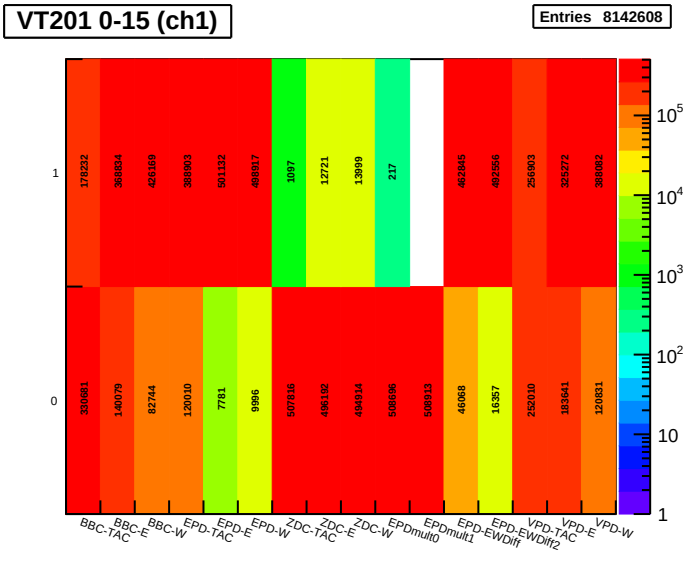

Entries 508913
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

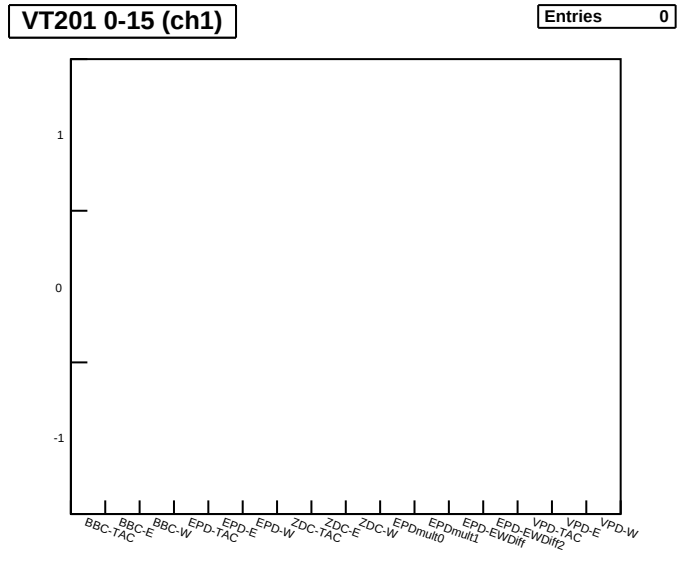

Laser Input Bits
Entries 508913
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

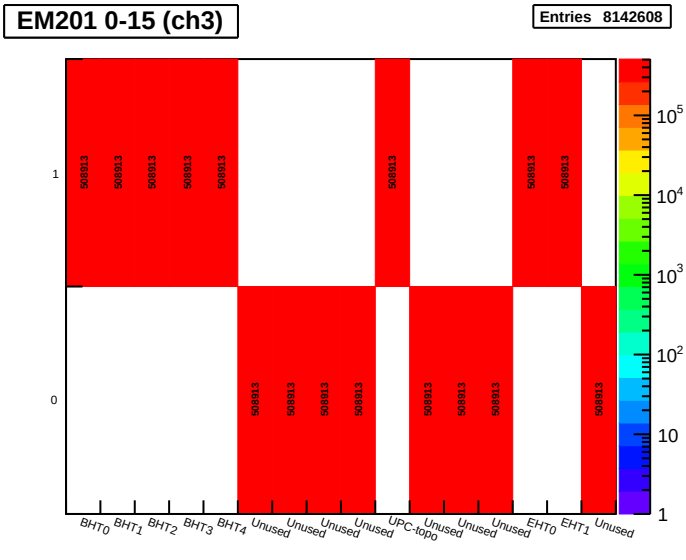

ST201 0-15 (ch6)
Entries 8142608
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508912
508892
1
21
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

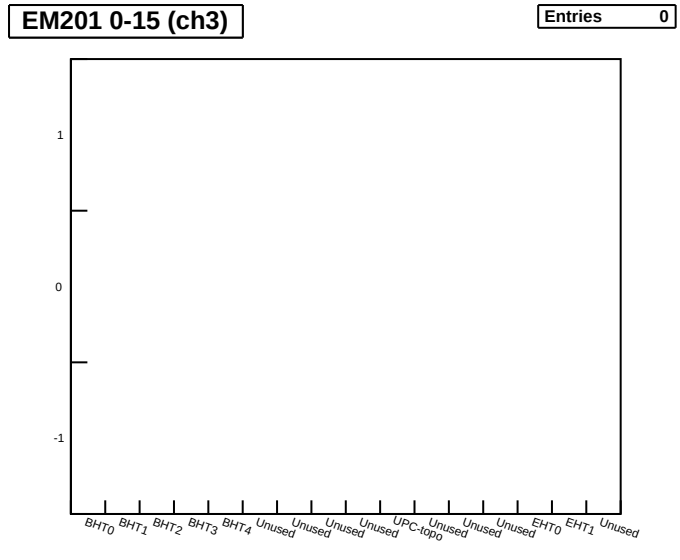

TF201 0-15 (ch0)
Entries 8142608
1
0
508913
502977
460231
442802
336146
424796
426411
421214
508913
508913
508913
508913
508913
508913
5936
49682
66111
172767
508913
84117
82502
87699
508913
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
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 8142608
1
0
178232
368834
426169
388903
501132
498917
1097
12721
13999
217
462845
492556
256903
325272
388082
330681
140079
82744
120010
7781
9996
507816
498192
494914
508696
508913
46068
16357
252010
183641
120831
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 8142608
1
0
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
508913
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