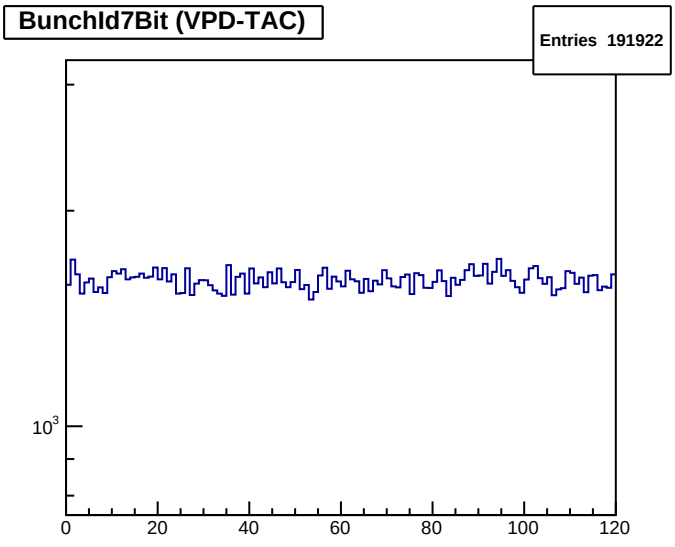
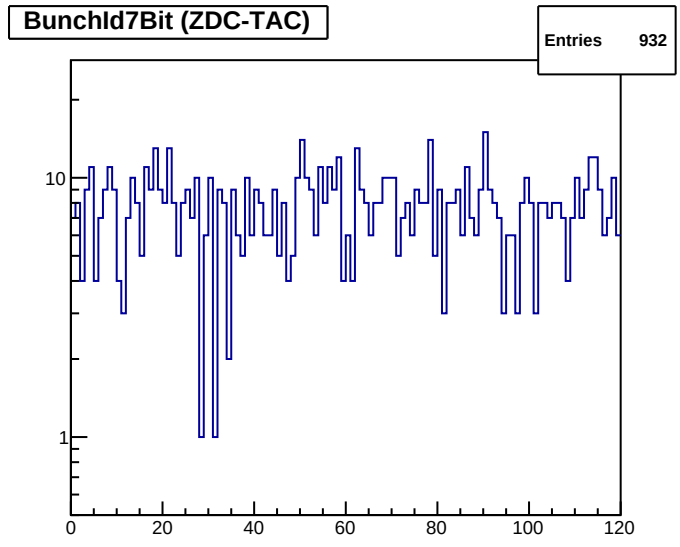
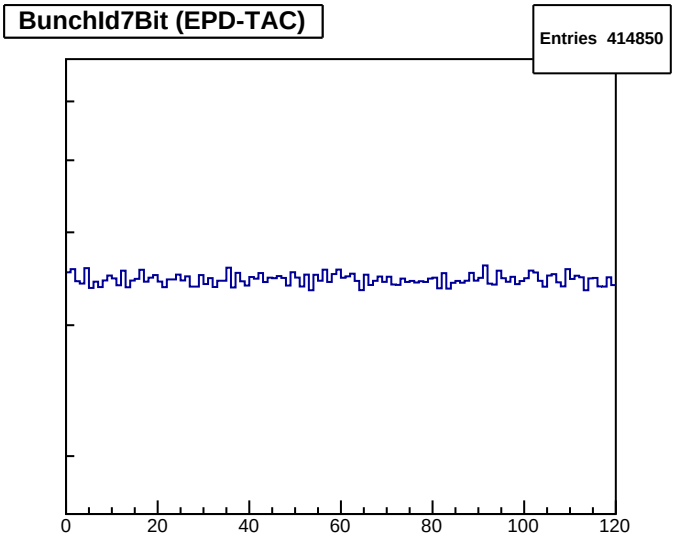
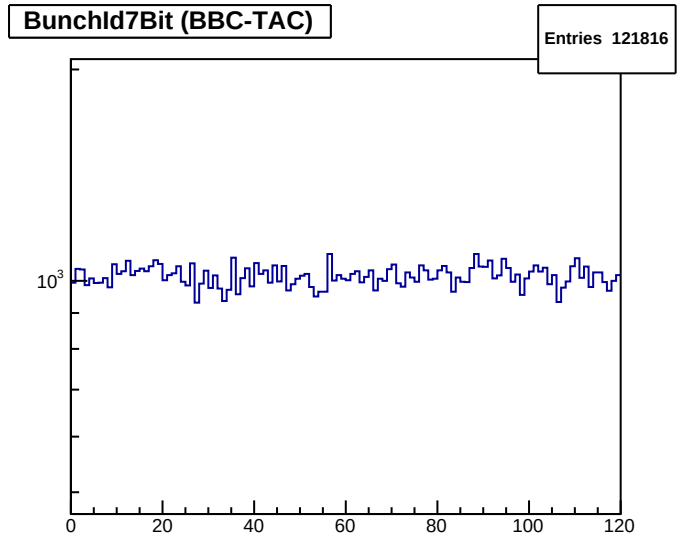
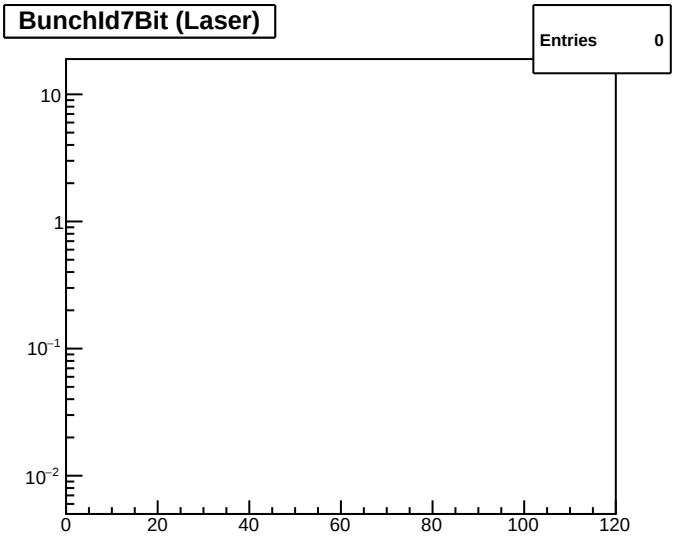
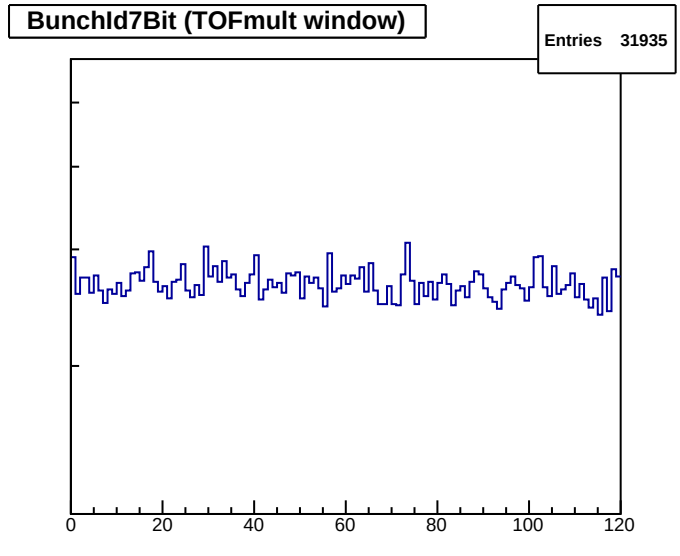

BunchId7Bit (VPD-TAC)
Entries 191922
10^3
0 20 40 60 80 100 120

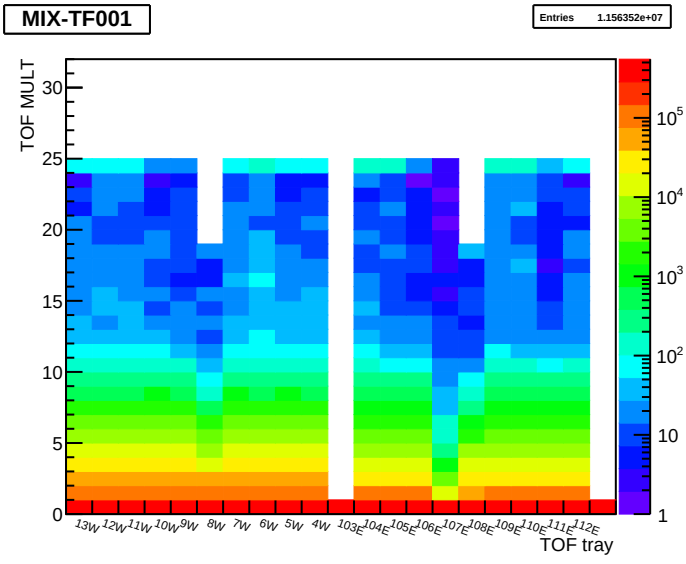

BunchId7Bit (ZDC-TAC)
Entries 932
10
1
0 20 40 60 80 100 120

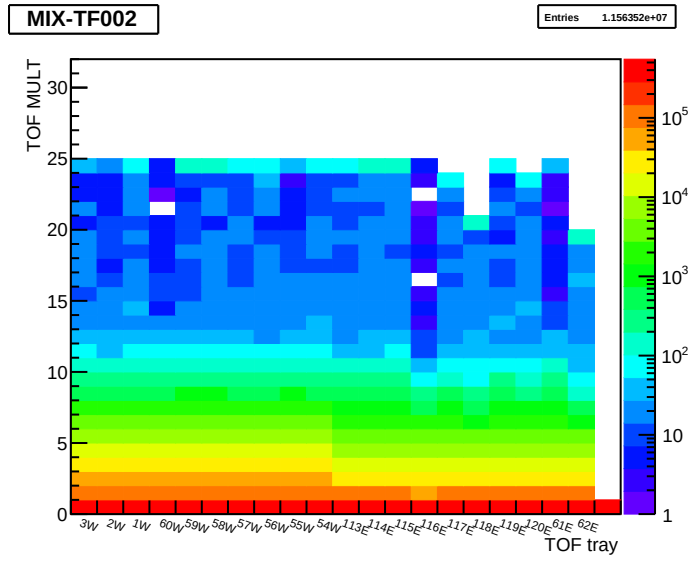

BunchId7Bit (EPD-TAC)
Entries 414850
0 20 40 60 80 100 120

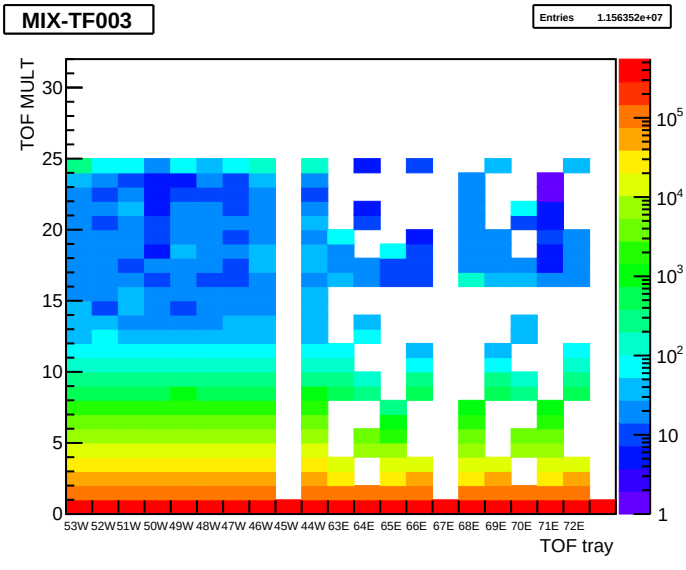

BunchId7Bit (BBC-TAC)
Entries 121816
10^3
0 20 40 60 80 100 120

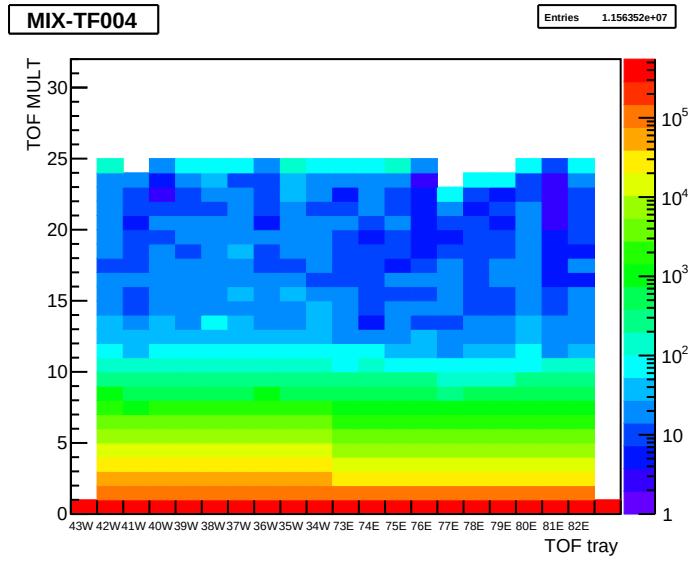

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

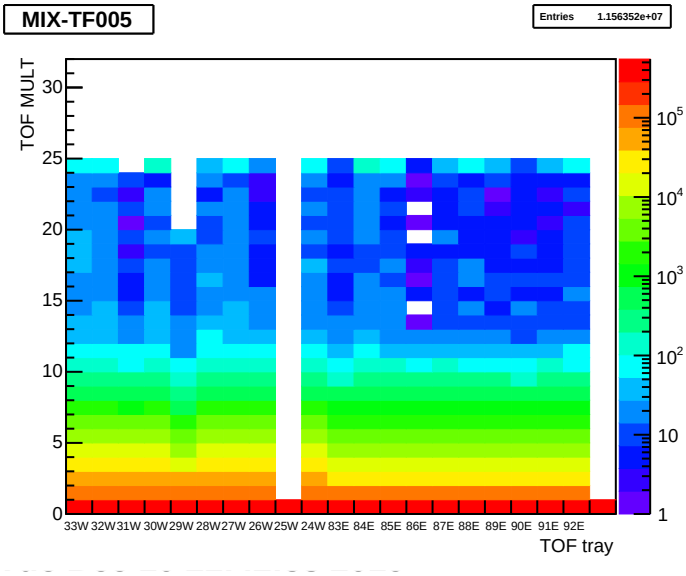

BunchId7Bit (TOFmult window)
Entries 31935
0 20 40 60 80 100 120

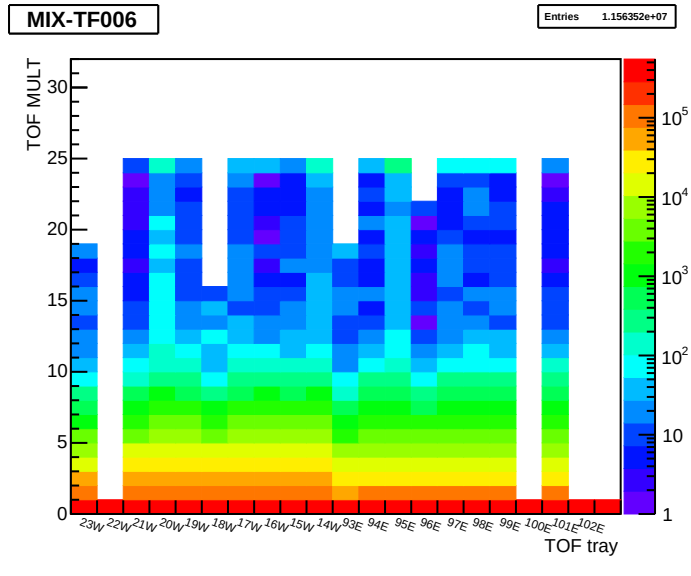

MIX-TF001
Entries 1.156352e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

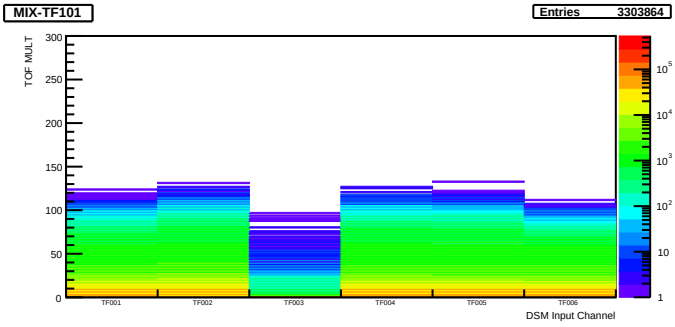

MIX-TF002
Entries 1.156352e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

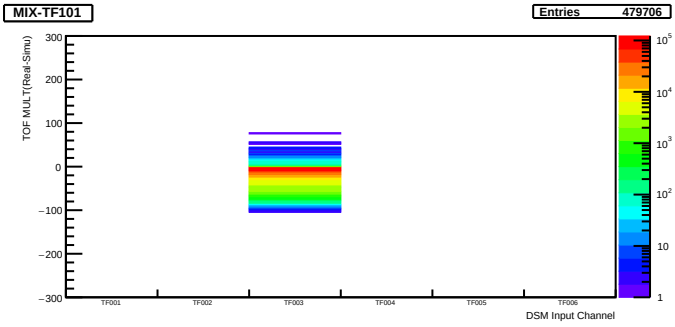

MIX-TF003
Entries 1.156352e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

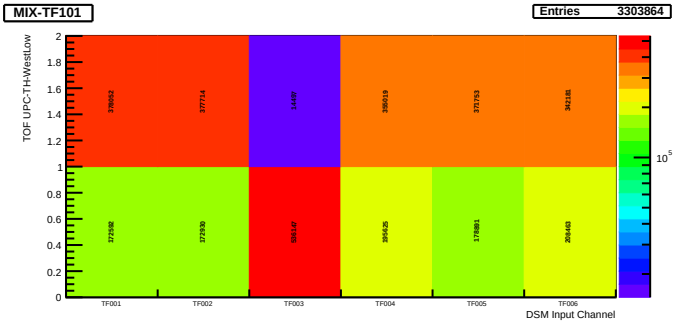

MIX-TF004
Entries 1.156352e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

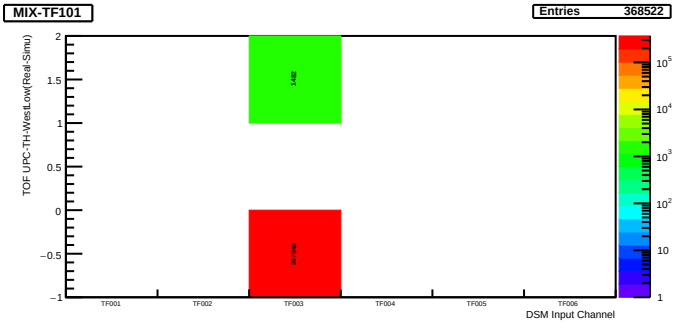

MIX-TF005
Entries 1.156352e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

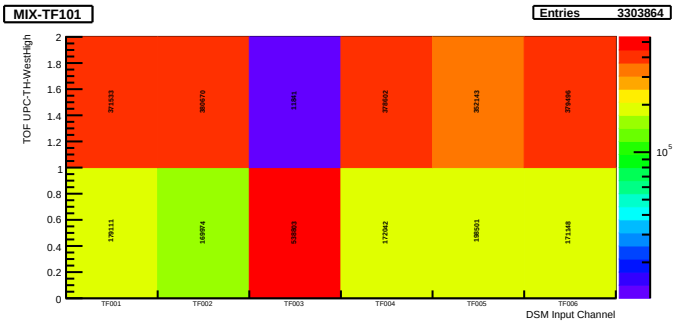

MIX-TF006
Entries 1.156352e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

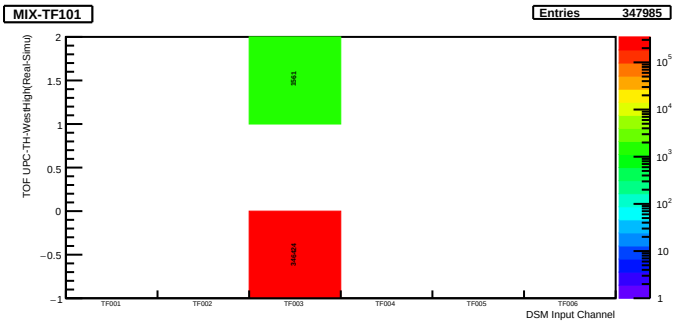

MIX-TF101
Entries 3303864
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

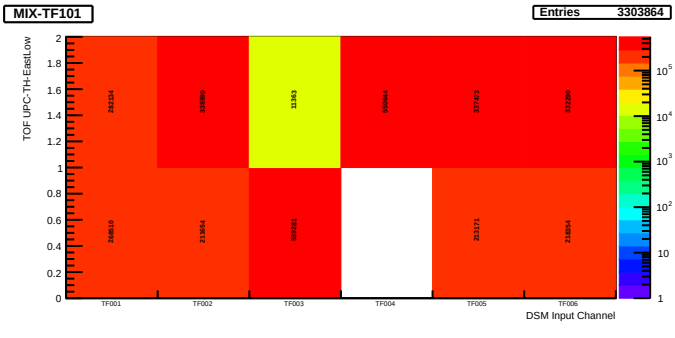

MIX-TF101
Entries 479706
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

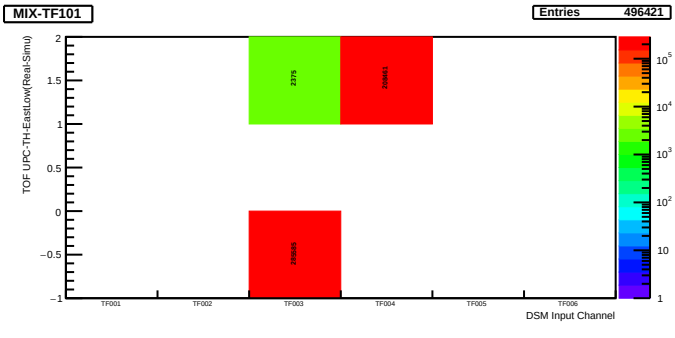

MIX-TF101
Entries 3303864
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

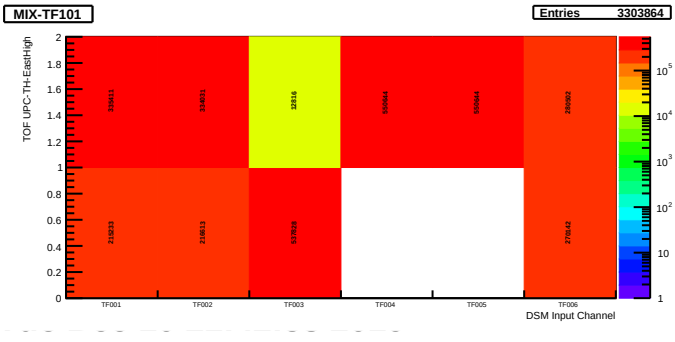

MIX-TF101
Entries 368522
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

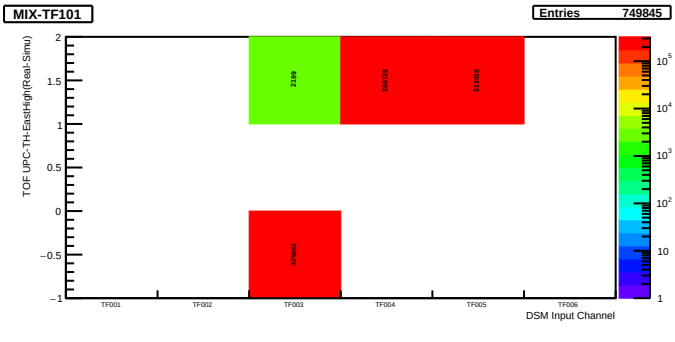

MIX-TF101
Entries 3303864
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

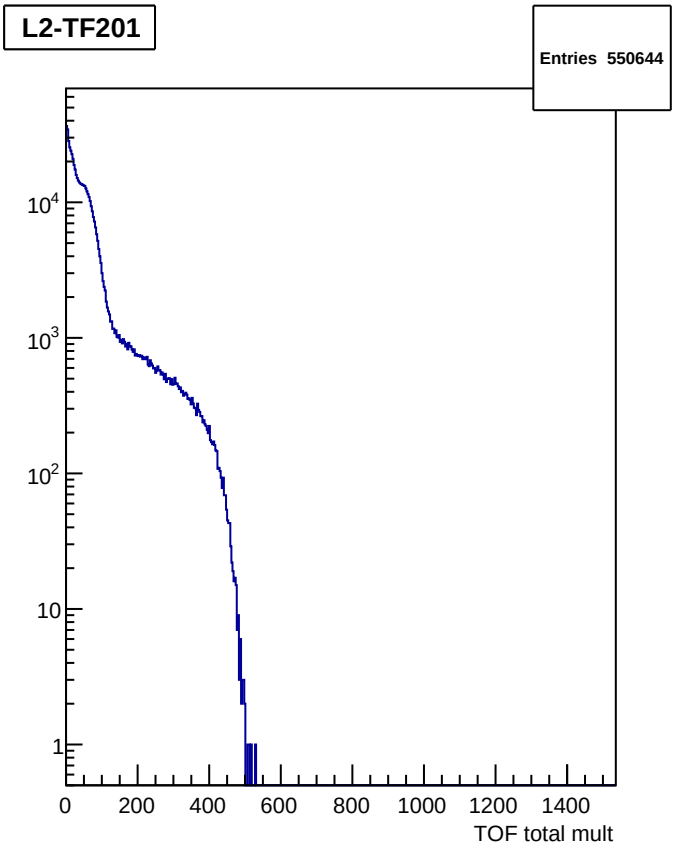

MIX-TF101
Entries 347985
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

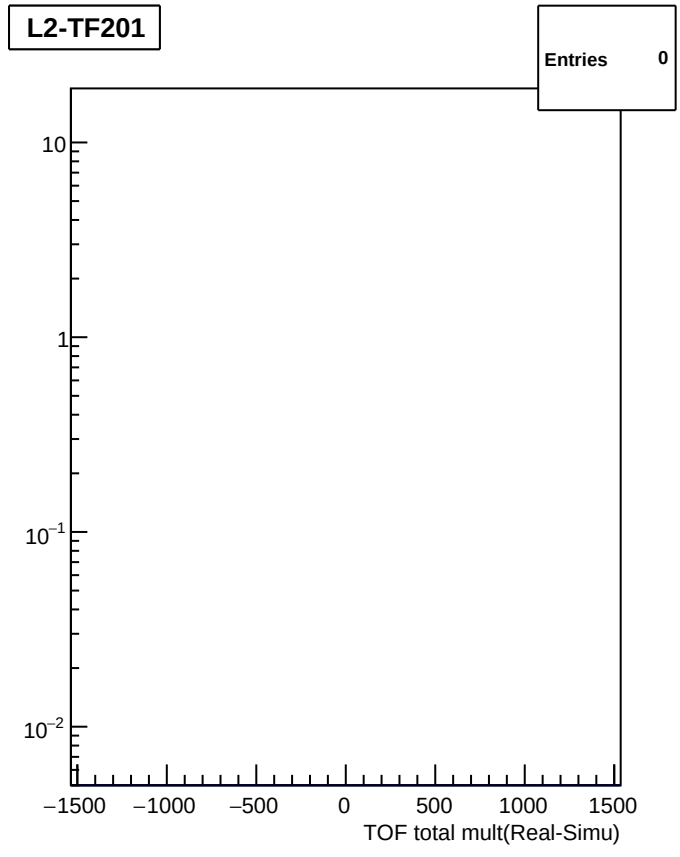

MIX-TF101
Entries 3303864
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

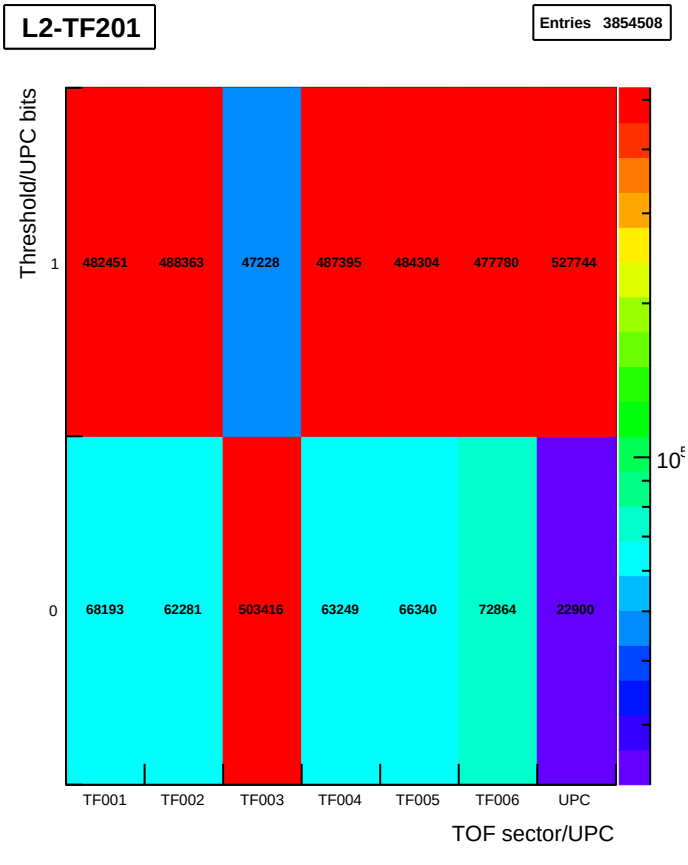

MIX-TF101
Entries 496421
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

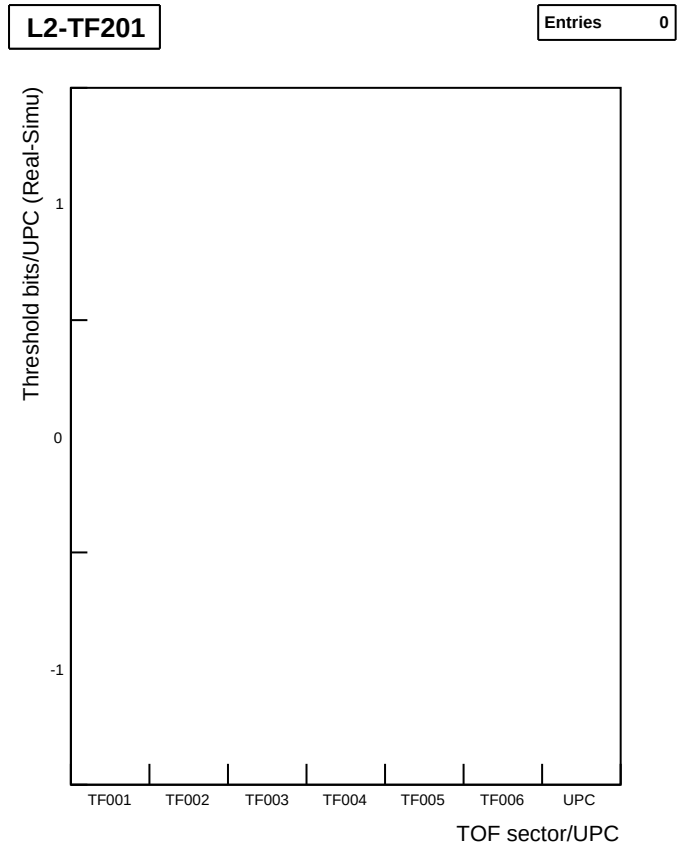

MIX-TF101
Entries 3303864
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

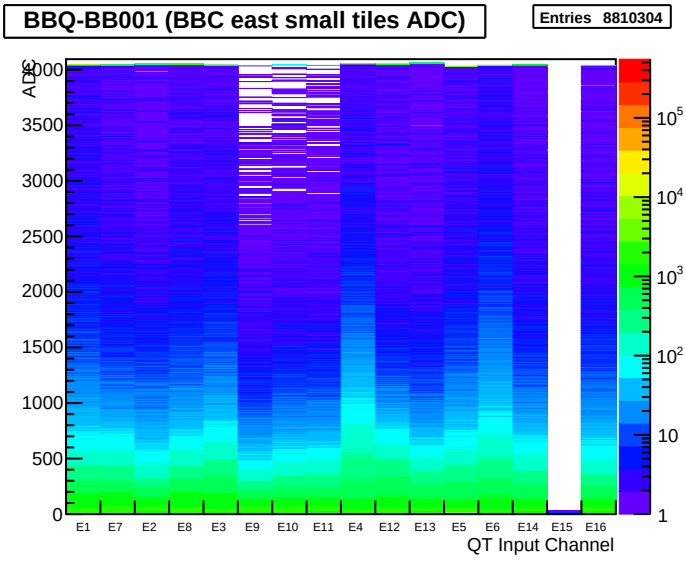

MIX-TF101
Entries 749845
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

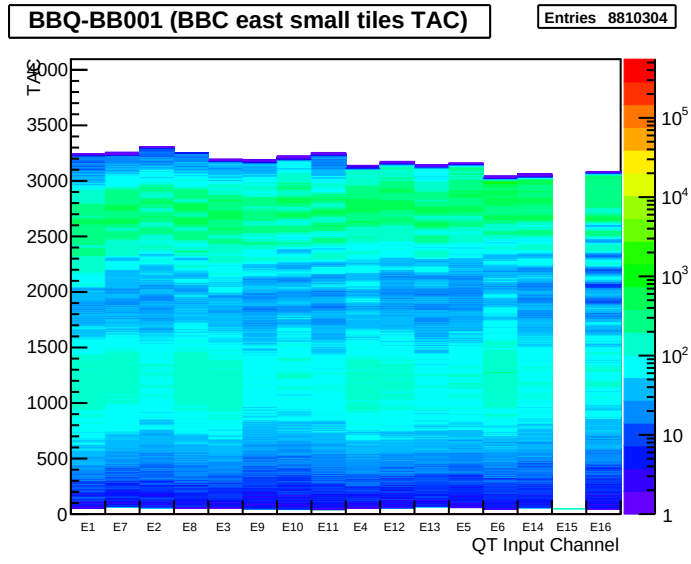

L2-TF201
Entries 550644
TOF total mult

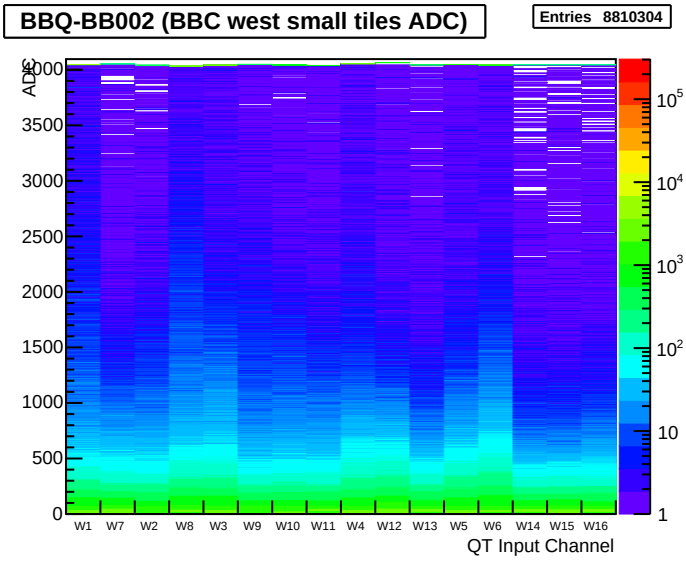

L2-TF201
Entries 0
TOF total mult(Real-Simu)

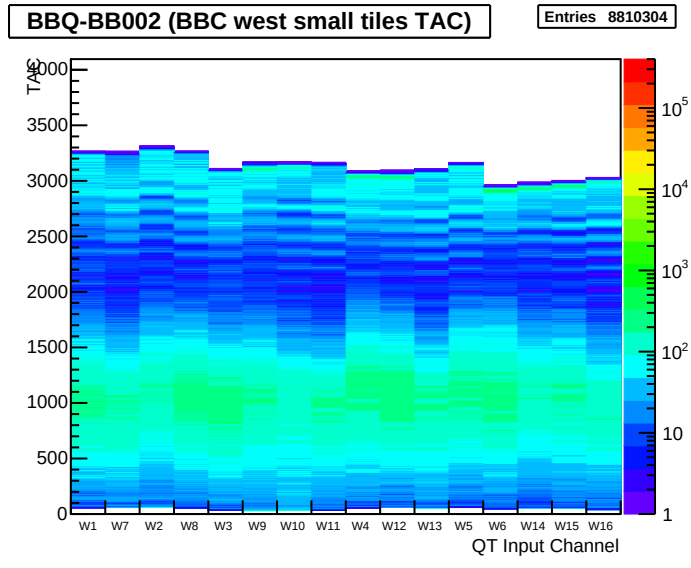

L2-TF201
Entries 3854508
Threshold/UPC bits
482451
488363
47228
487395
484304
477780
527744
68193
62281
503416
63249
66340
72864
22900
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

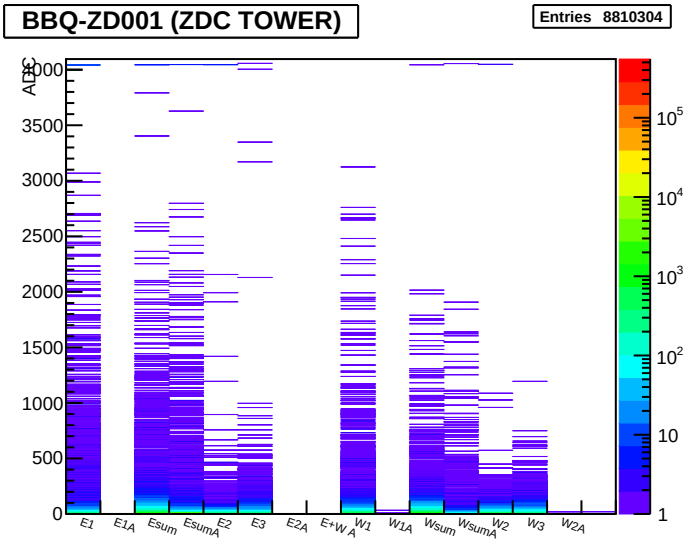

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

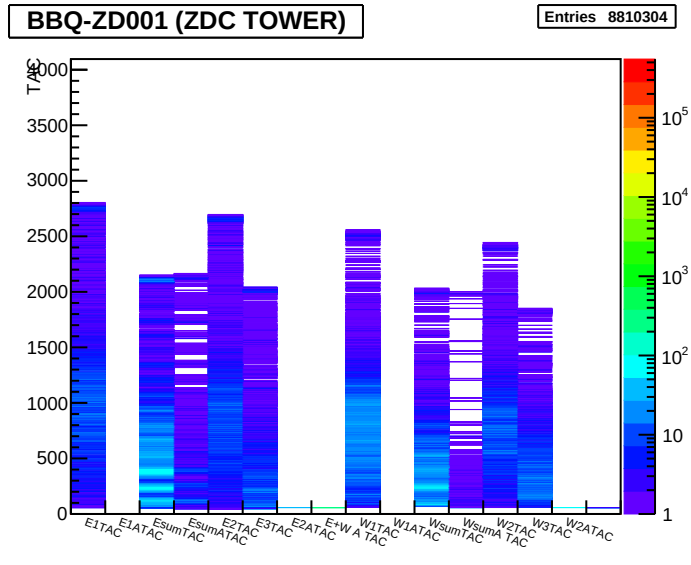

BBQ-BB001 (BBC east small tiles ADC)
Entries 8810304
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

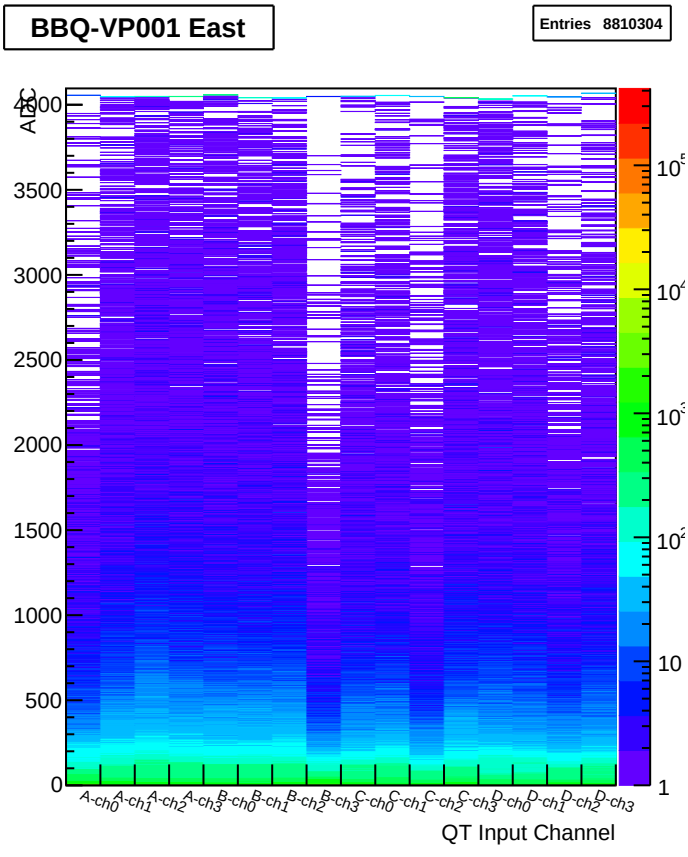

BBQ-BB001 (BBC east small tiles TAC)
Entries 8810304
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

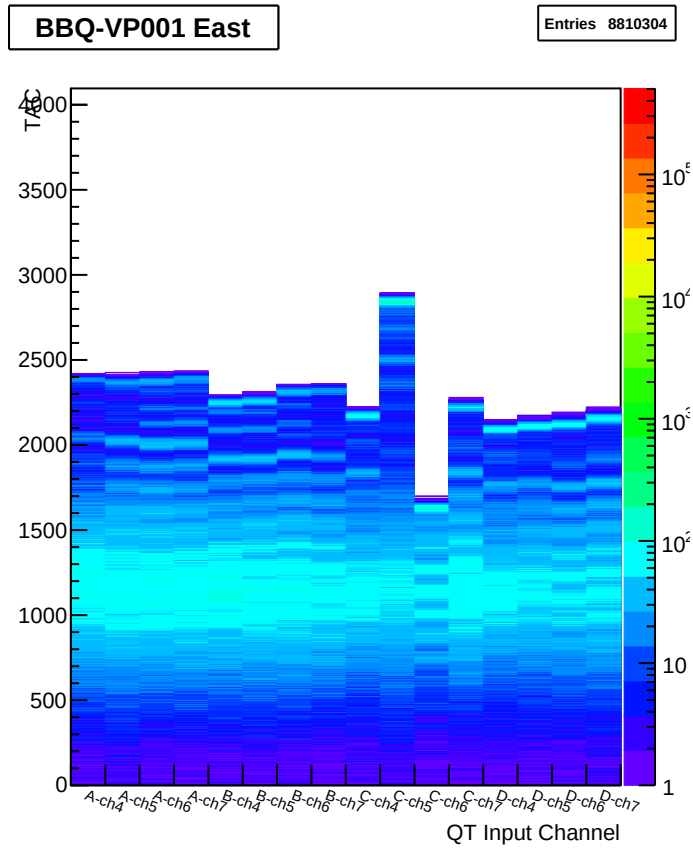

BBQ-BB002 (BBC west small tiles ADC)
Entries 8810304
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

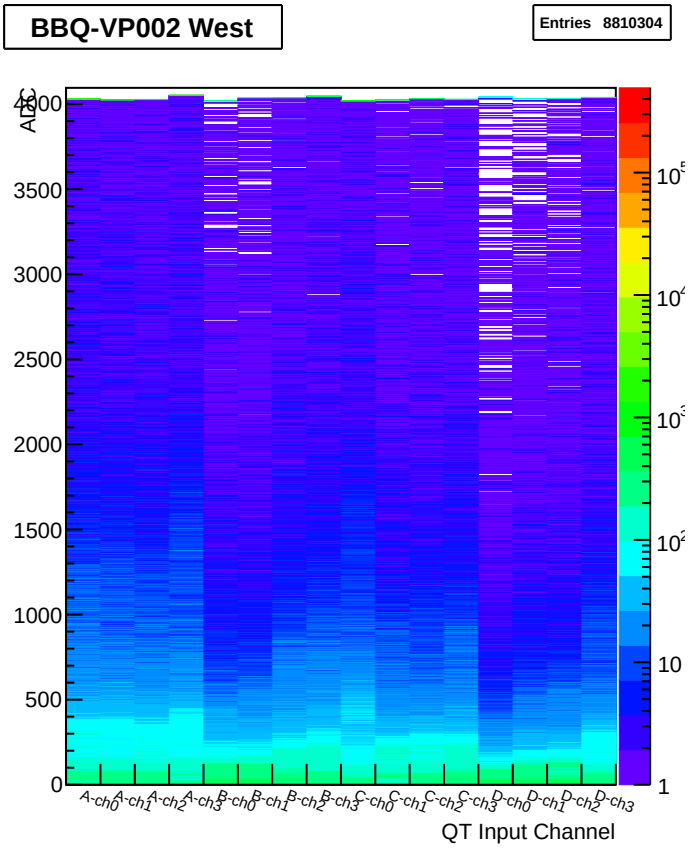

BBQ-BB002 (BBC west small tiles TAC)
Entries 8810304
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

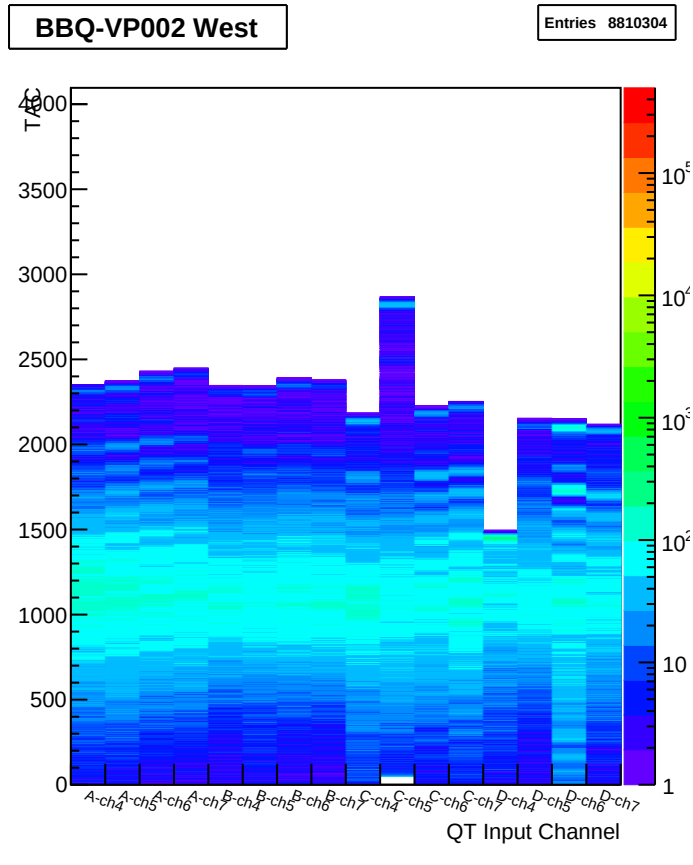

BBQ-ZD001 (ZDC TOWER)
Entries 8810304
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

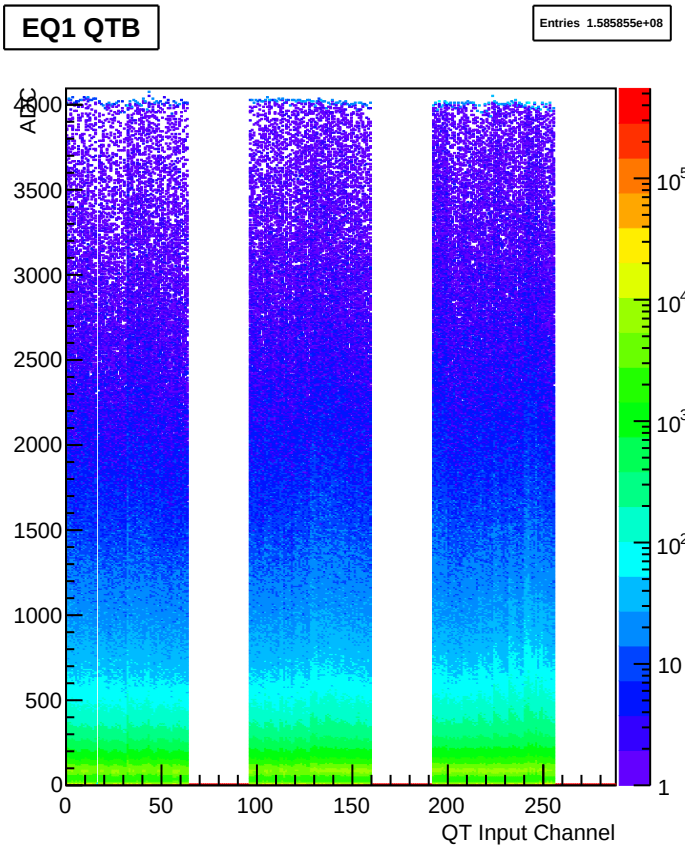

BBQ-ZD001 (ZDC TOWER)
Entries 8810304
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

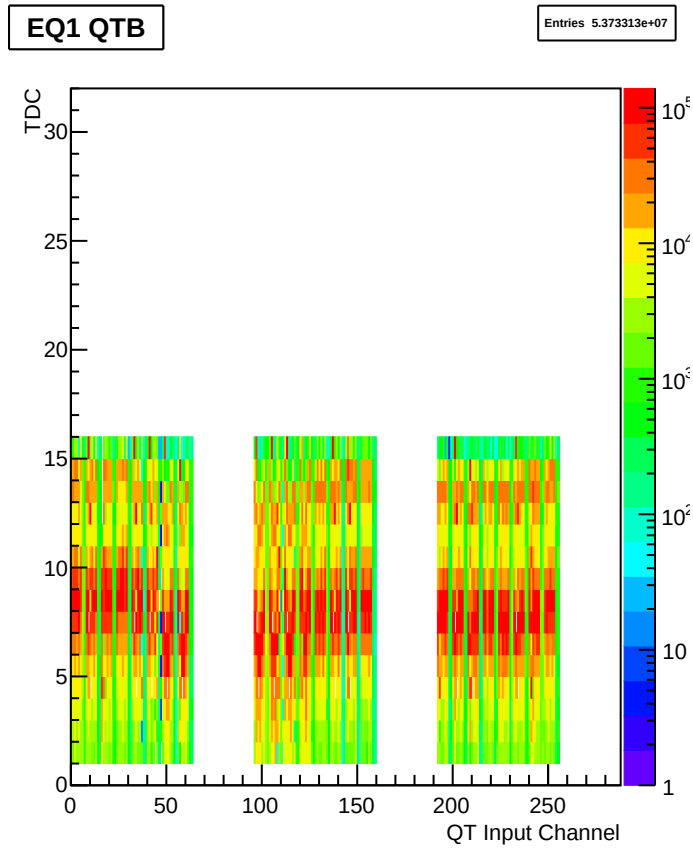

BBQ-VP001 East
Entries 8810304
ADC
QT Input Channel

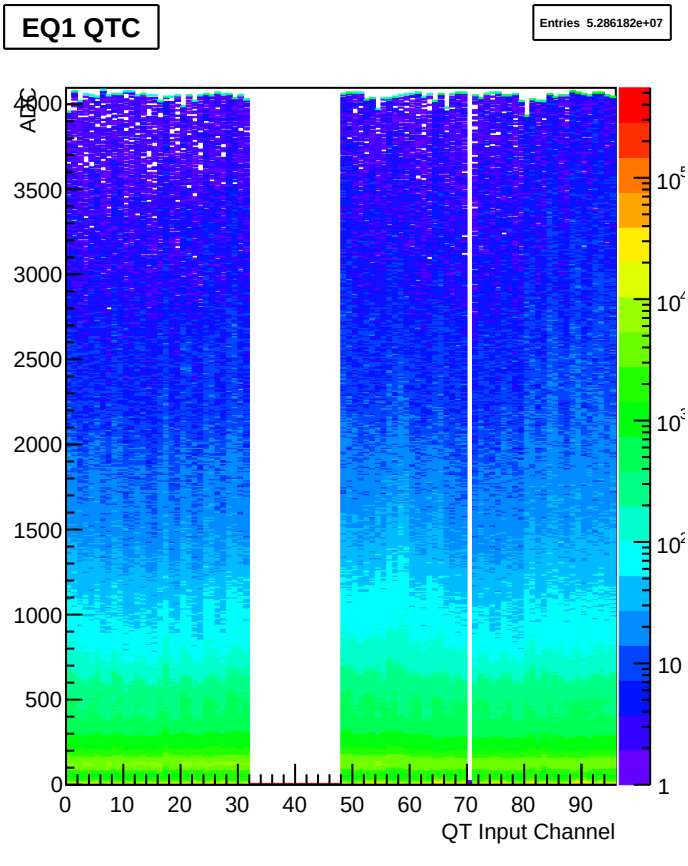

BBQ-VP001 East
Entries 8810304
ADC
QT Input Channel

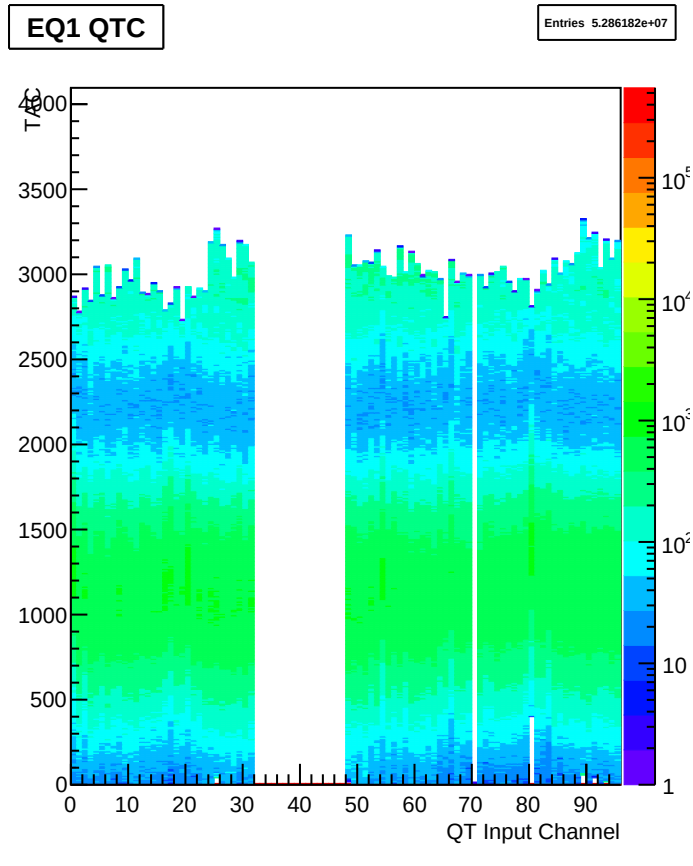

BBQ-VP002 West
Entries 8810304
ADC
QT Input Channel

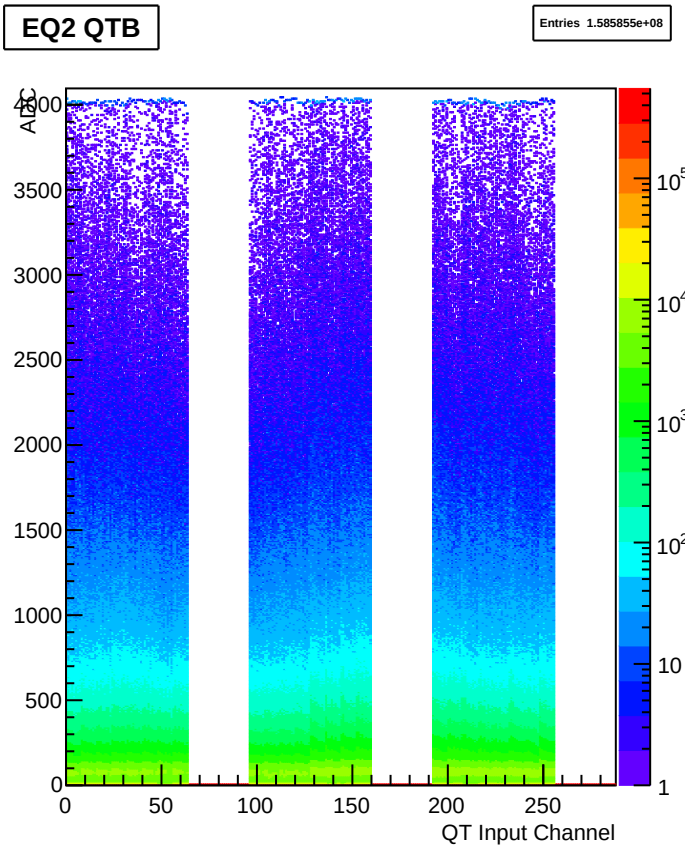

BBQ-VP002 West
Entries 8810304
ADC
QT Input Channel

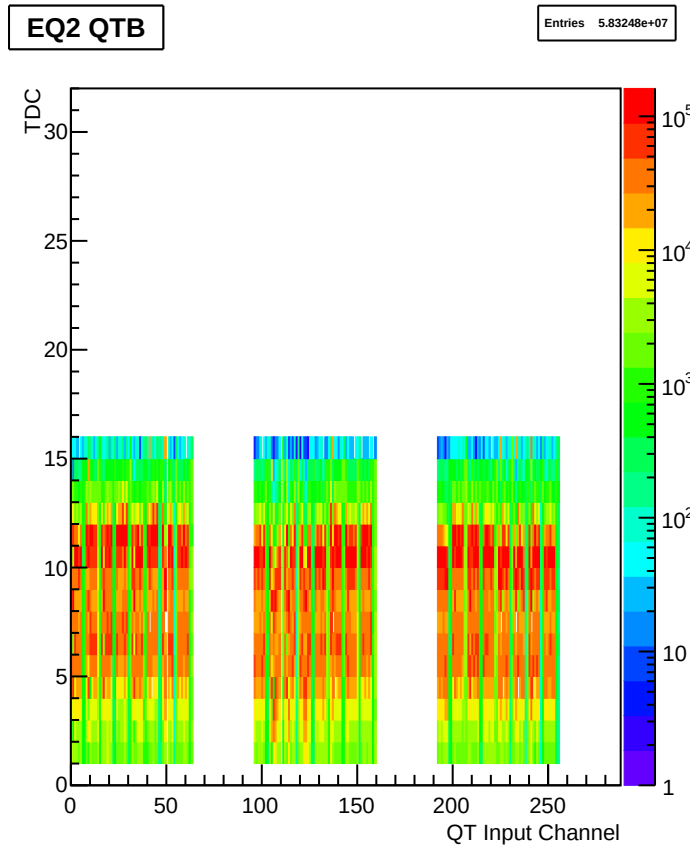

EQ1 QTB
Entries 1.585855e+08
ADC
QT Input Channel

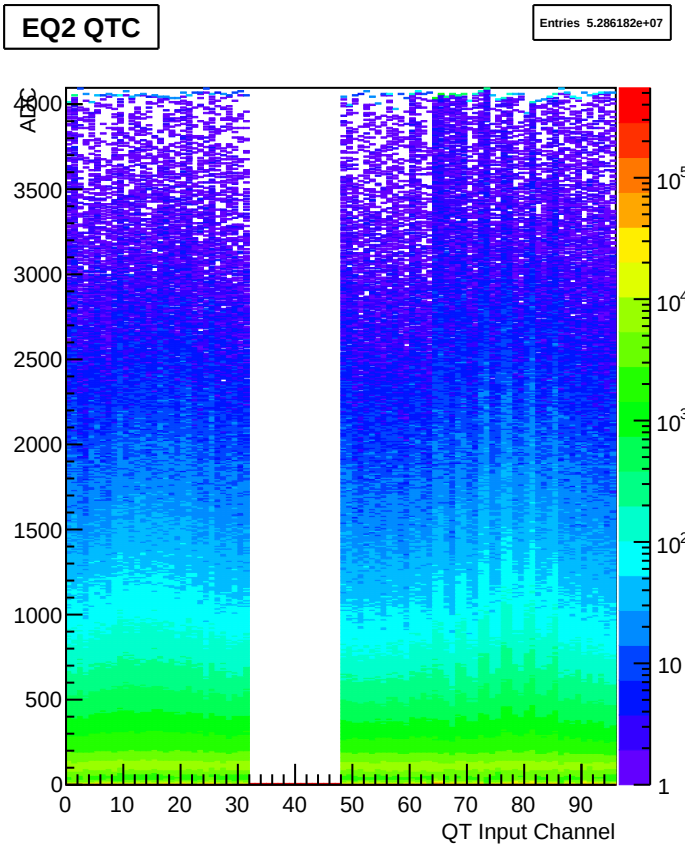

EQ1 QTB
Entries 5.373313e+07
TDC
QT Input Channel

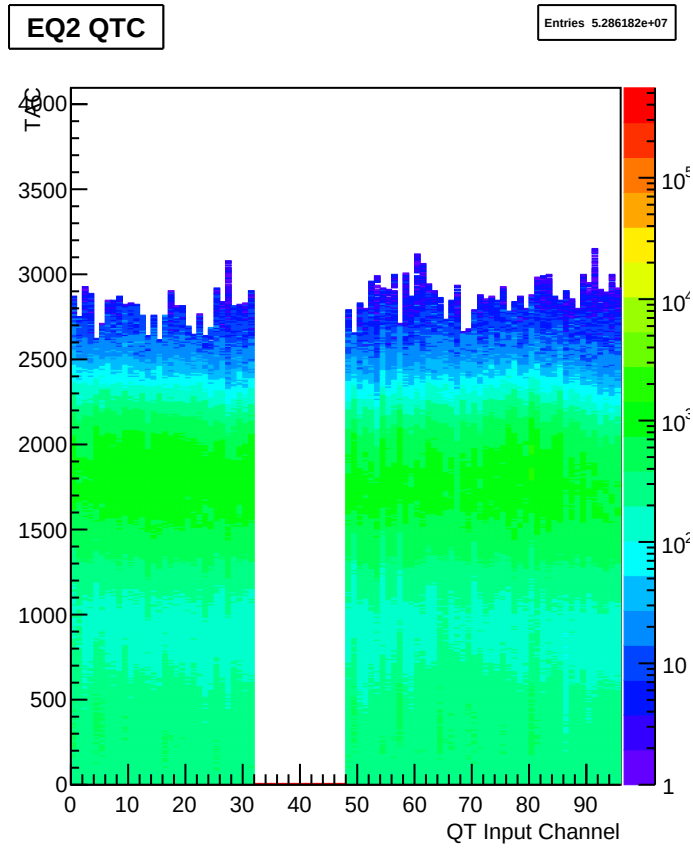

EQ1 QTC
Entries 5.286182e+07
ADC
QT Input Channel

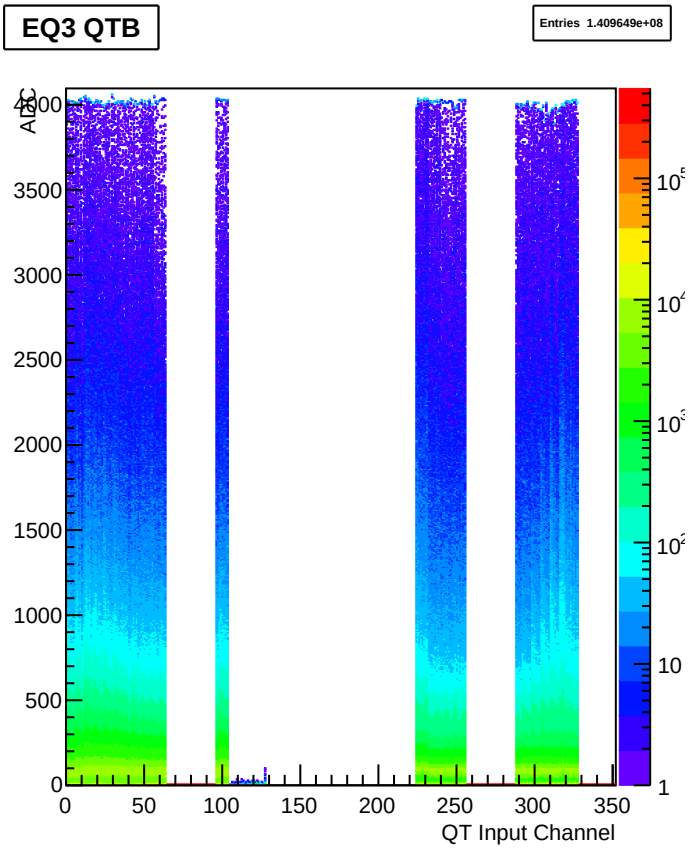

EQ1 QTC
Entries 5.286182e+07
TADC
QT Input Channel

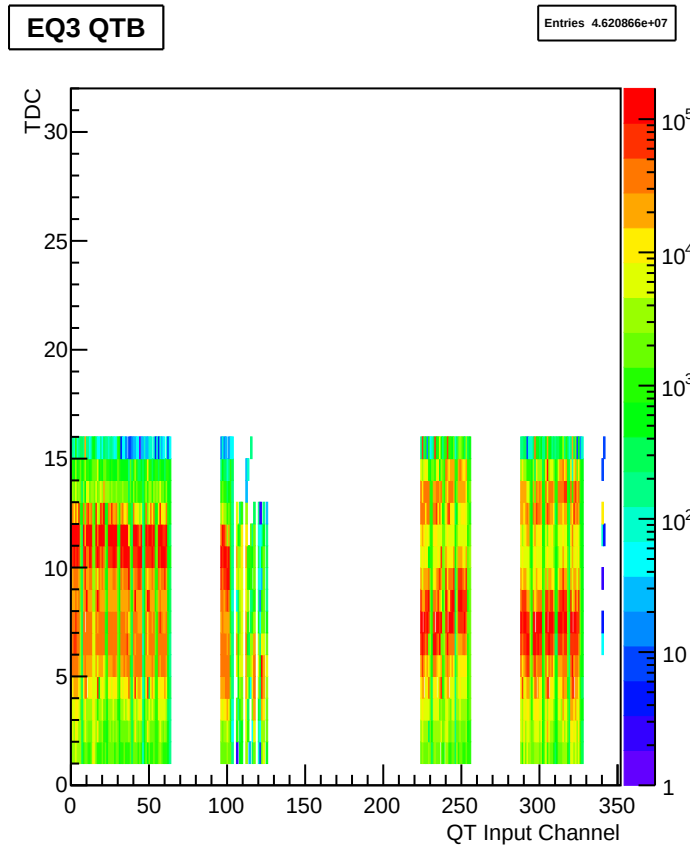

EQ2 QTB
Entries 1.585855e+08
ADC
QT Input Channel

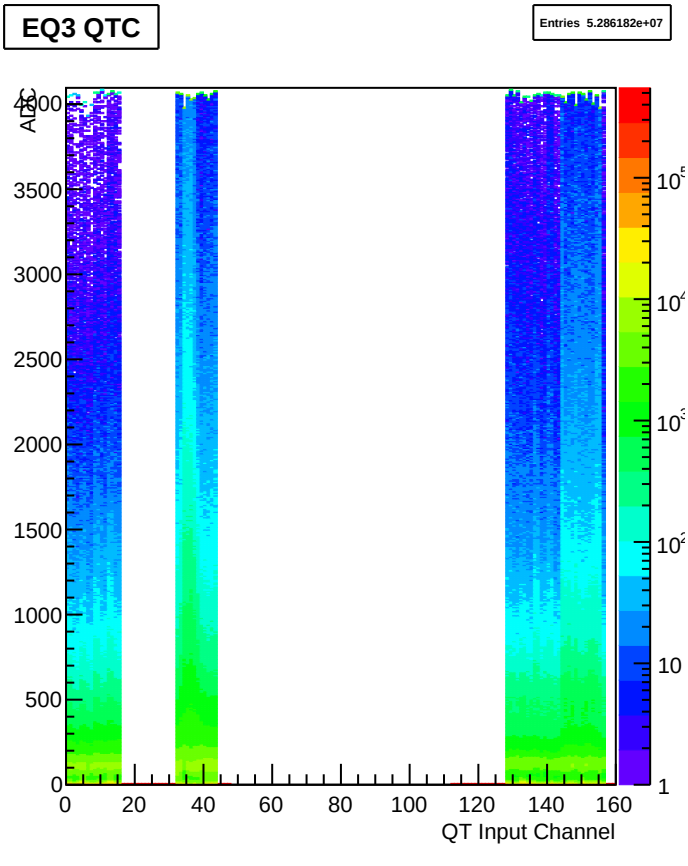

EQ2 QTB
Entries 5.83248e+07
TDC
QT Input Channel

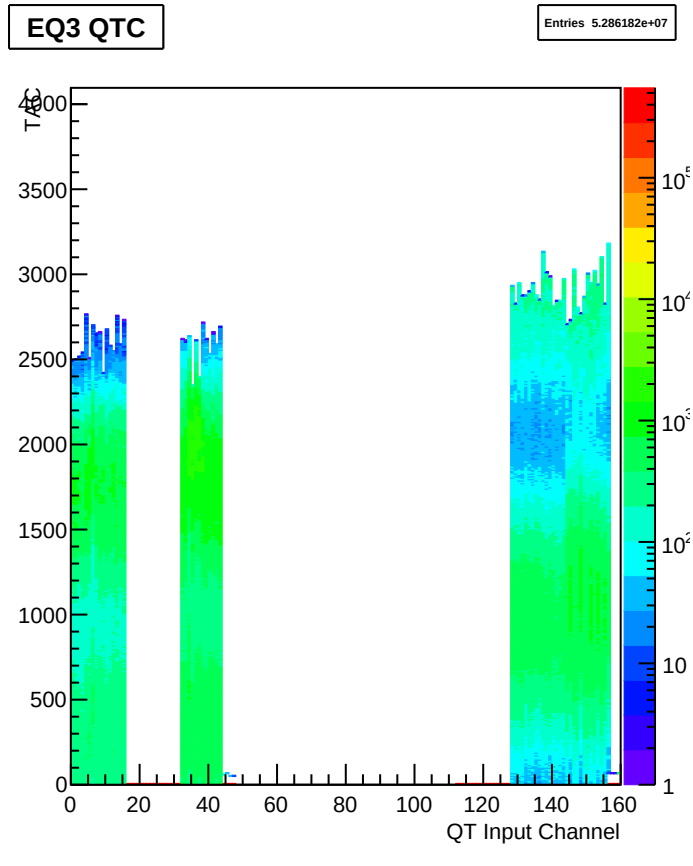

EQ2 QTC
Entries 5.286182e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.286182e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.409649e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.620866e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.286182e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.286182e+07
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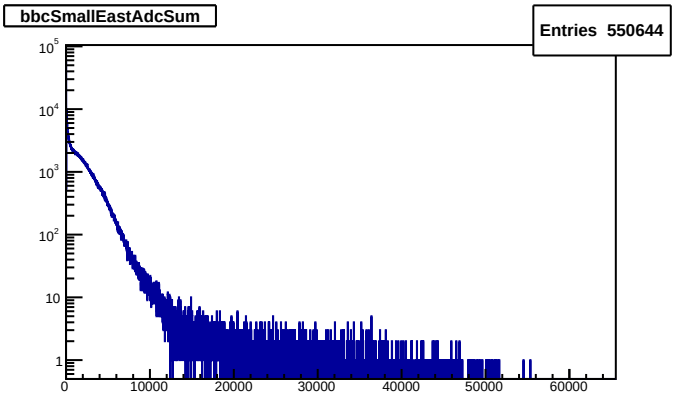
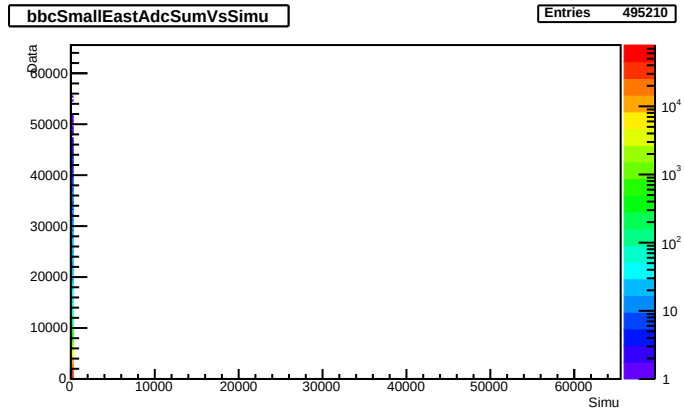
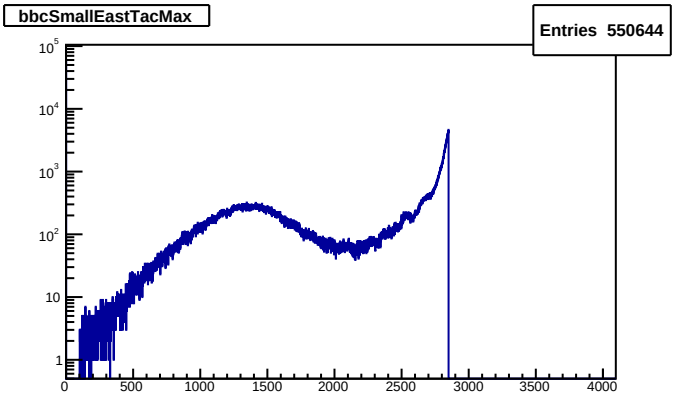
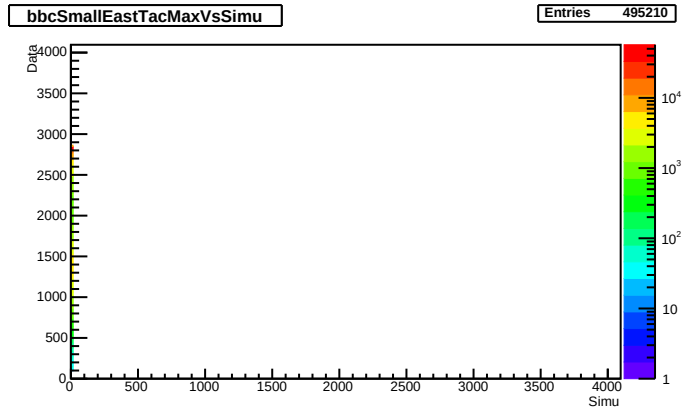
QT Input Channel


bbcSmallEastAdcSum
Entries 550644


bbcSmallEastAdcSumVsSimu
Entries 495210
Data
Simu


bbcSmallEastTacMax
Entries 550644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Entries 495210
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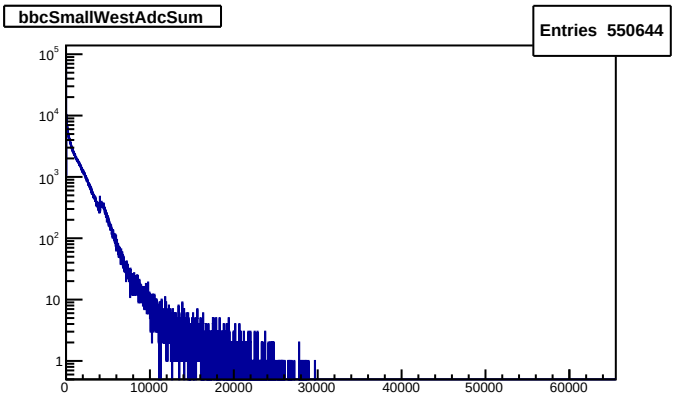
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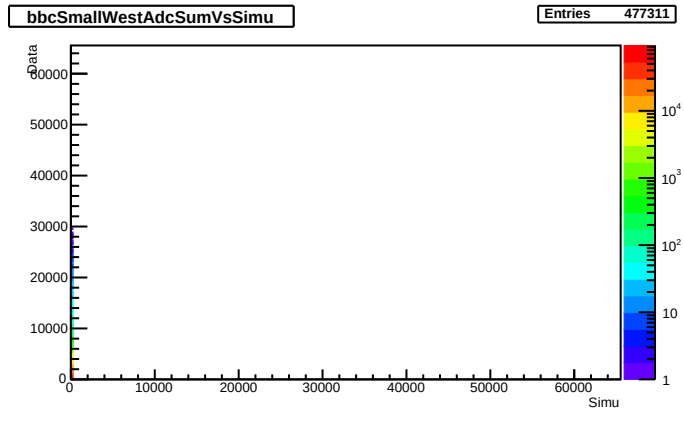
Entries 550644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Entries 477311
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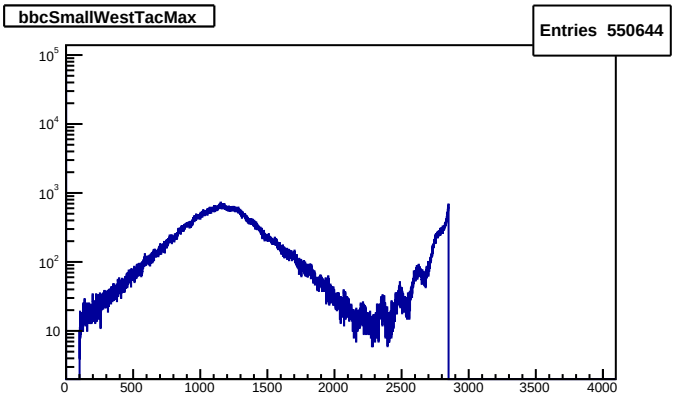
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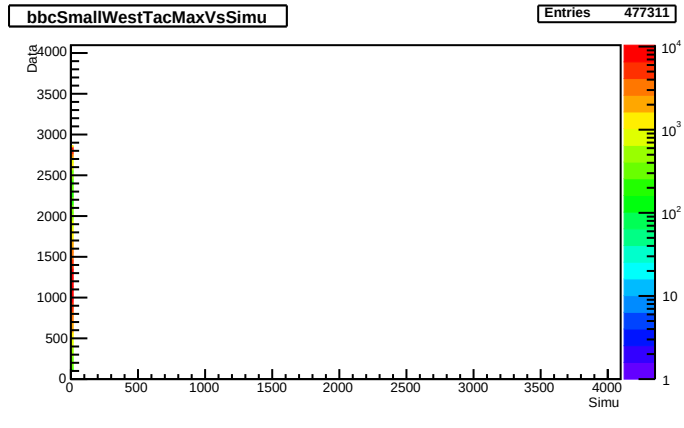
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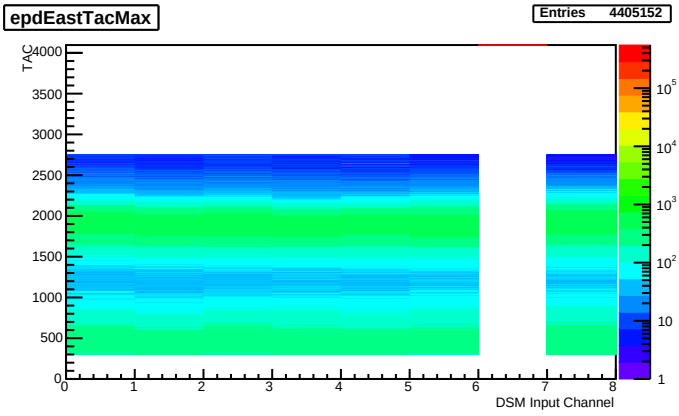
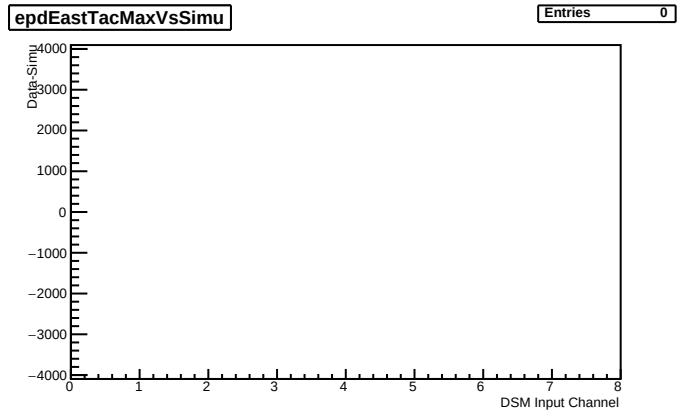
Entries 477311
Data
Simu


epdEastTacMax
Entries 4405152
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
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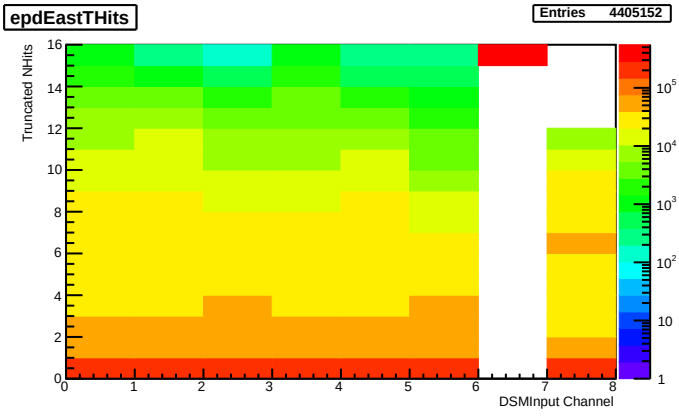
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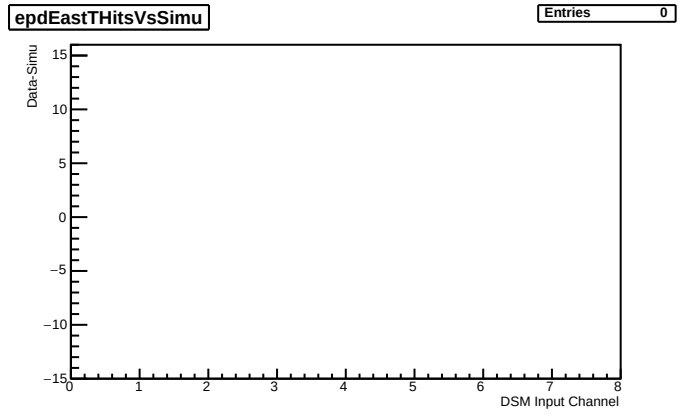
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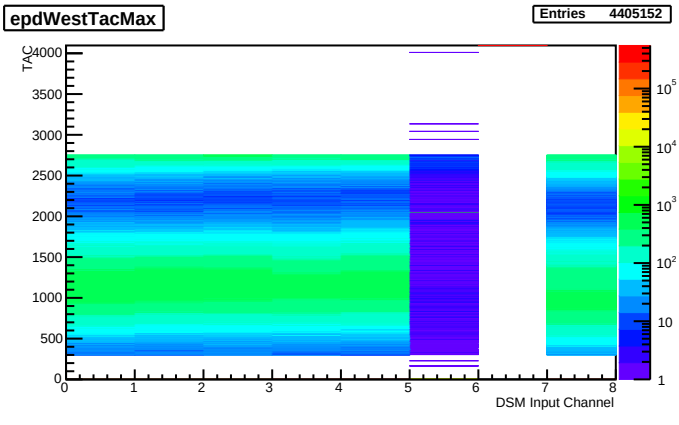
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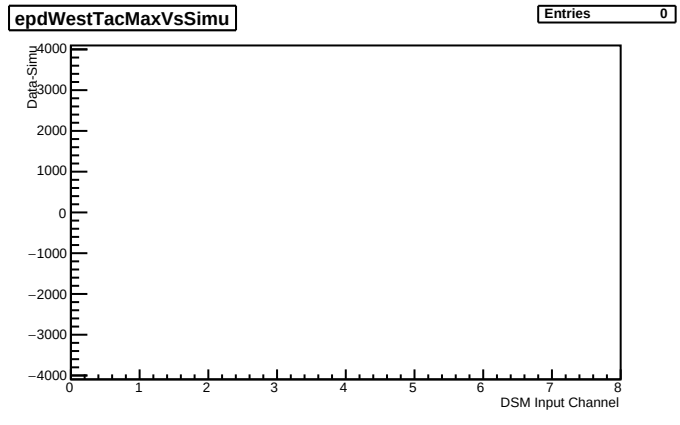
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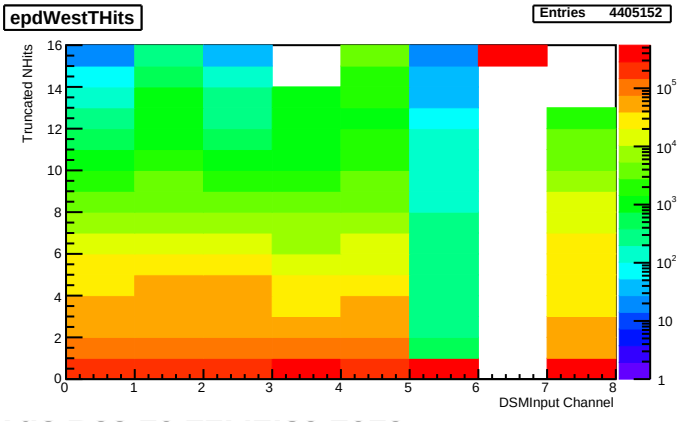
Data-Simu
DSM Input Channel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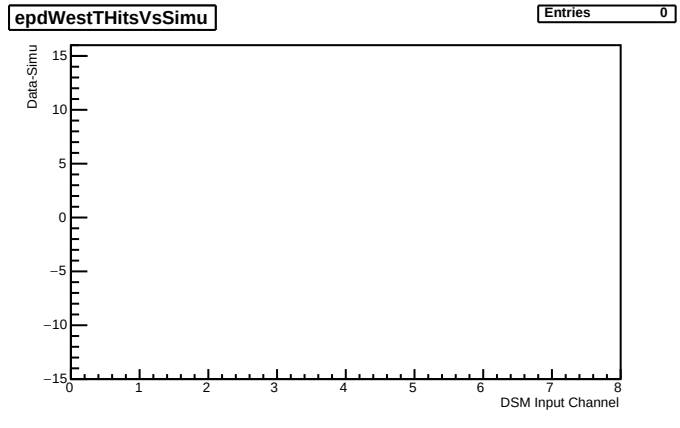
Truncated NHits
DSMInput Channel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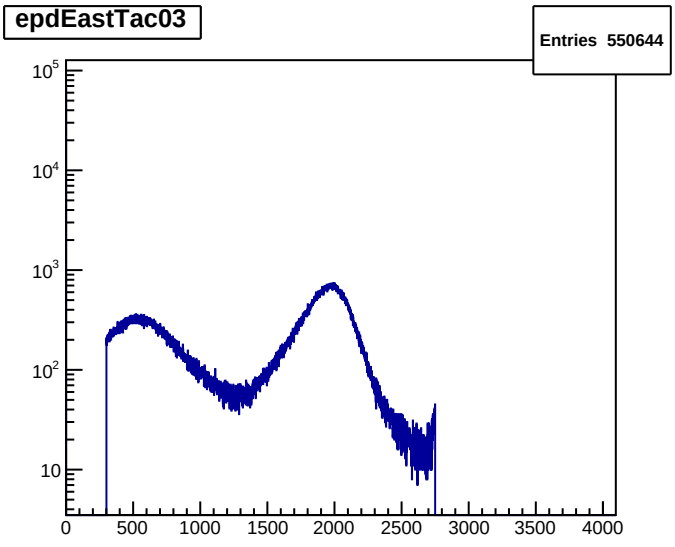
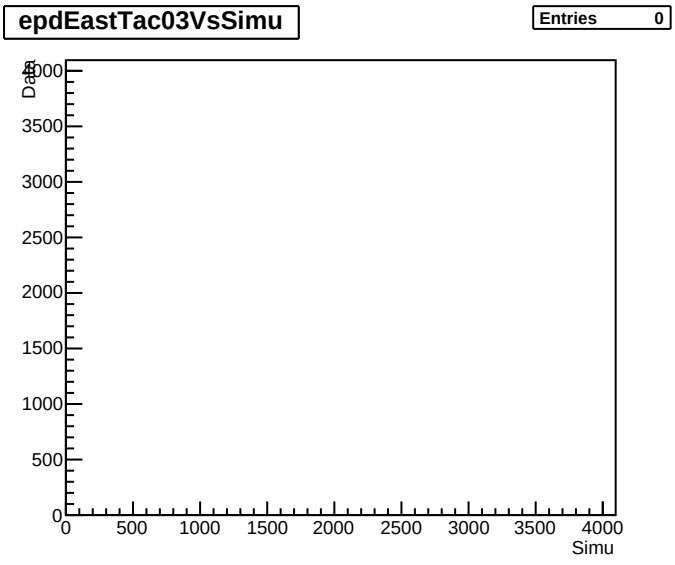
DSM Input Channel


epdEastTac03
Entries 550644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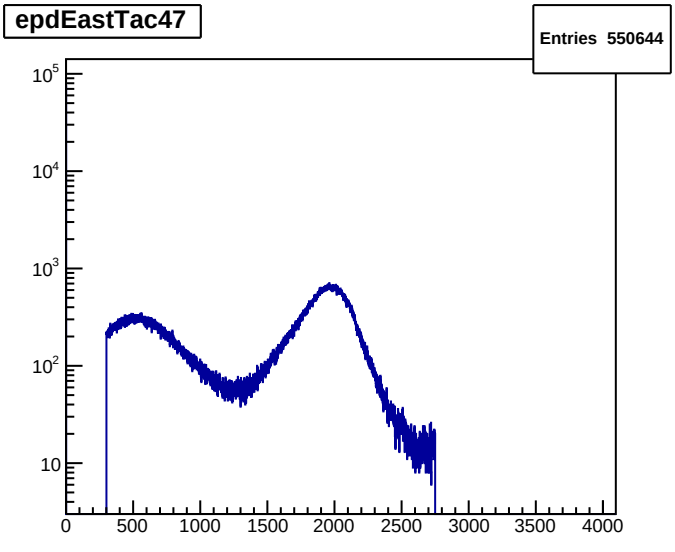
Entries 0
Data
Simu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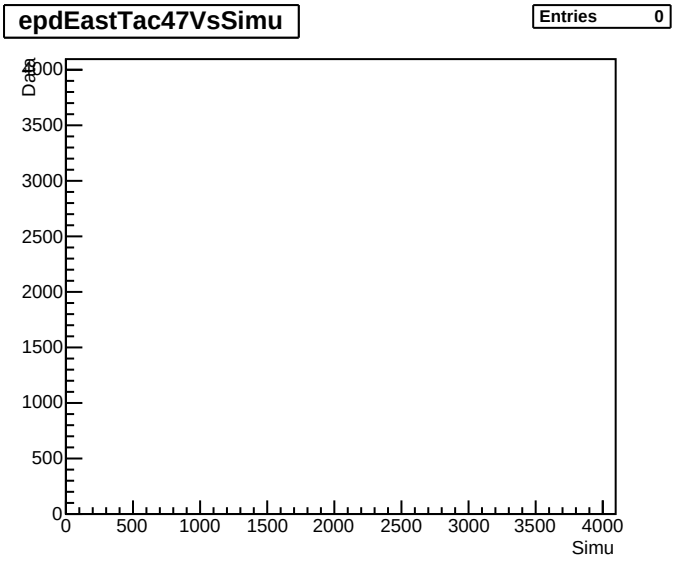
Entries 550644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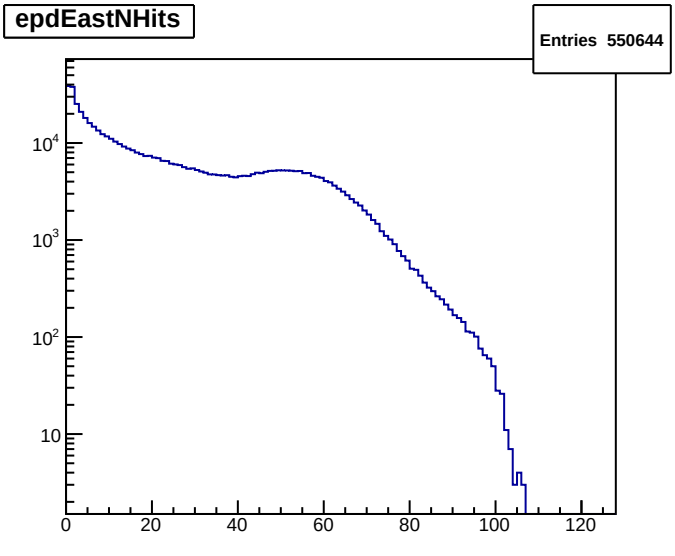
Entries 0
Data
Simu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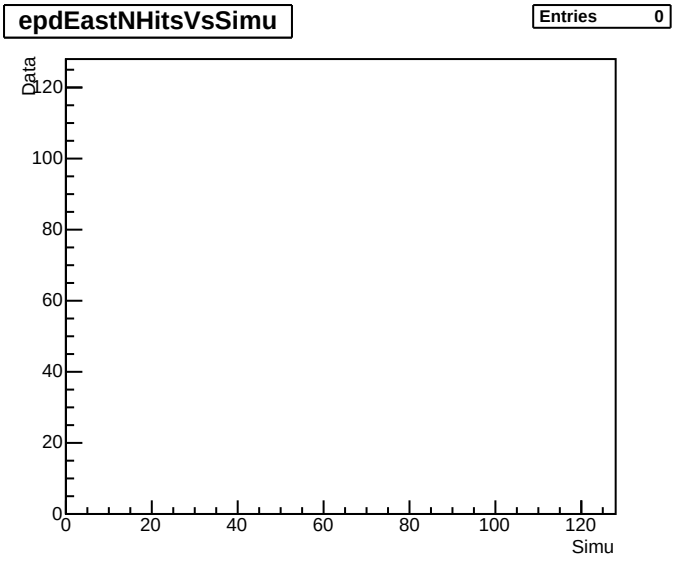
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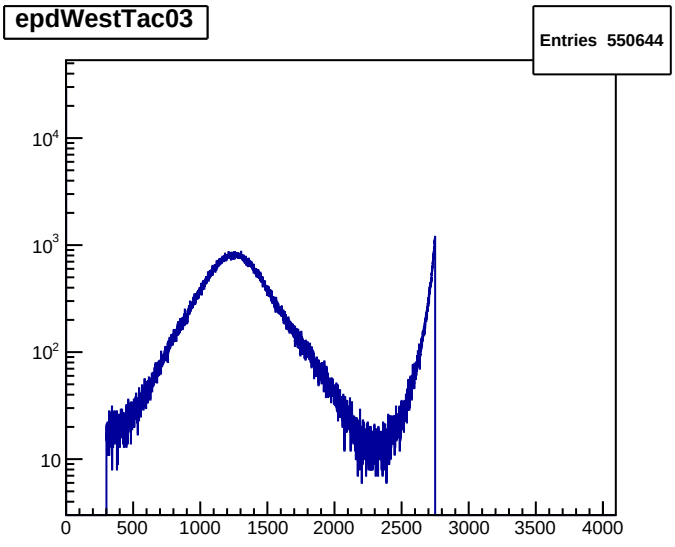
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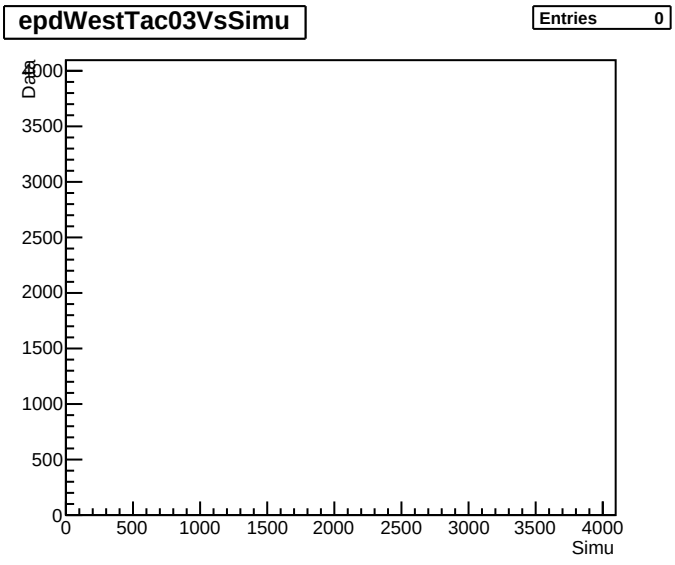
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Entries 0
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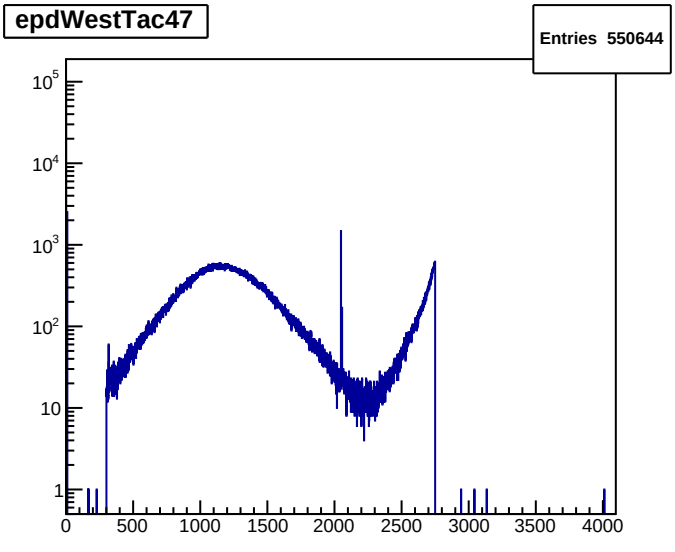
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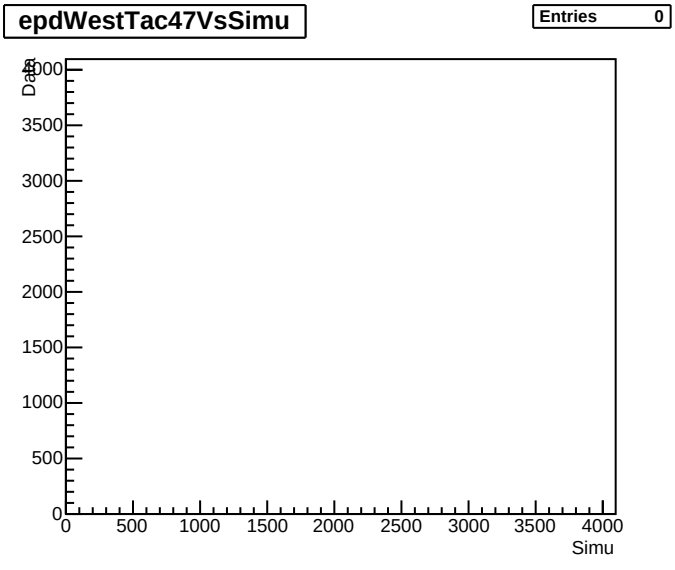
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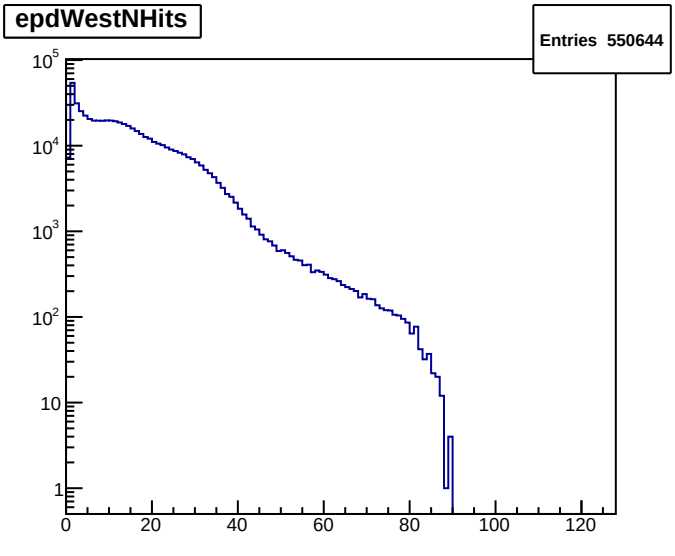
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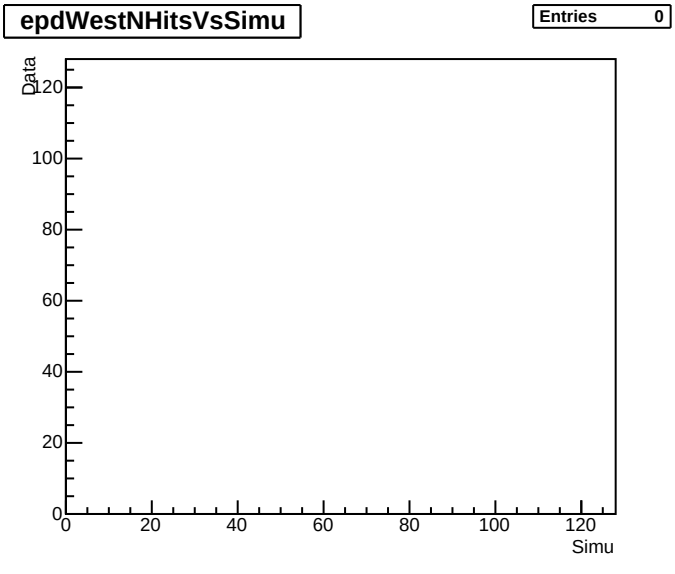
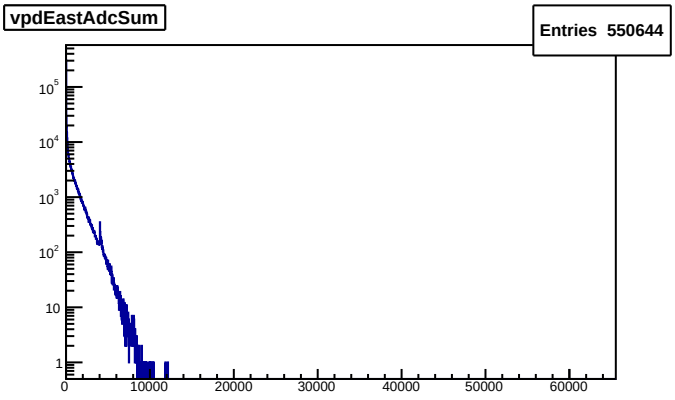
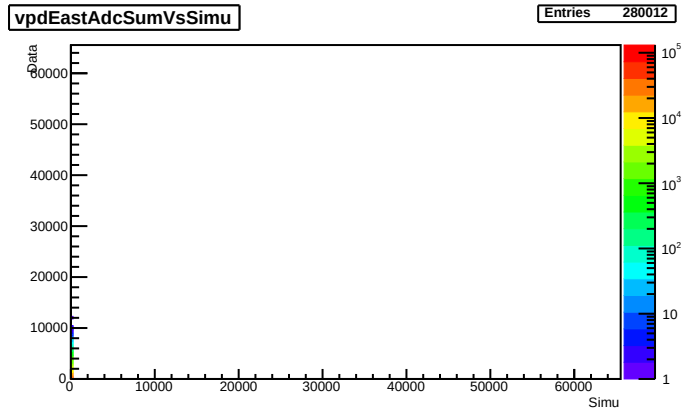
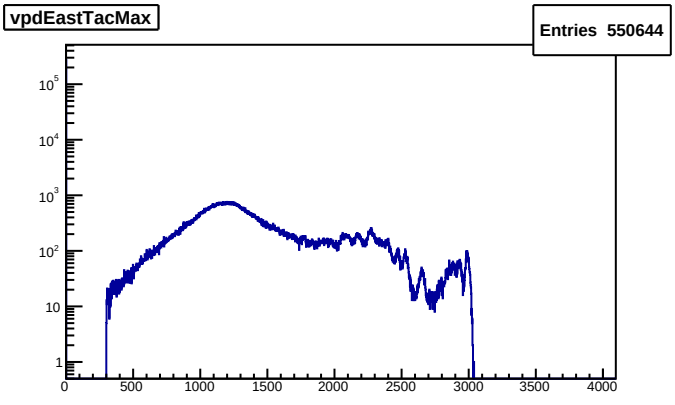
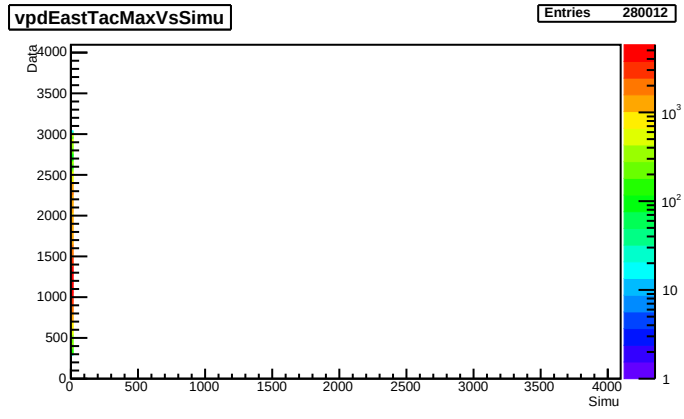
Entries 550644


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 550644


vpdEastAdcSumVsSimu
Entries 280012
Data
Simu


vpdEastTacMax
Entries 550644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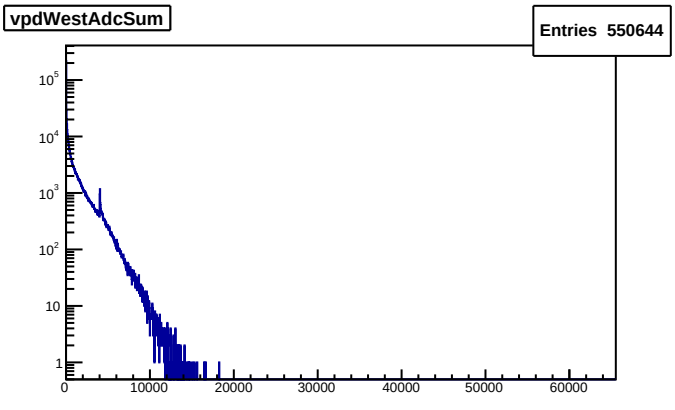
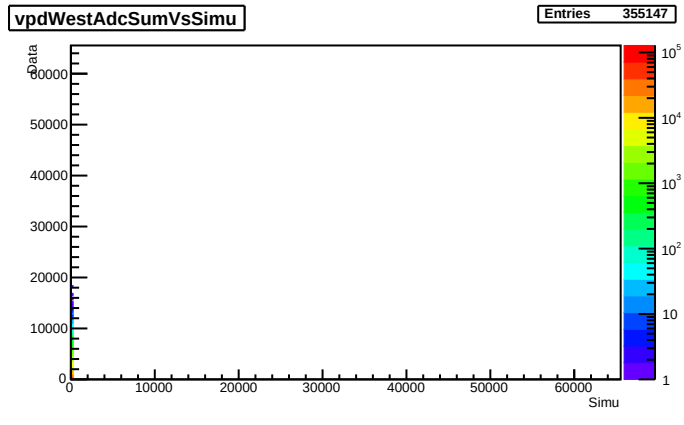
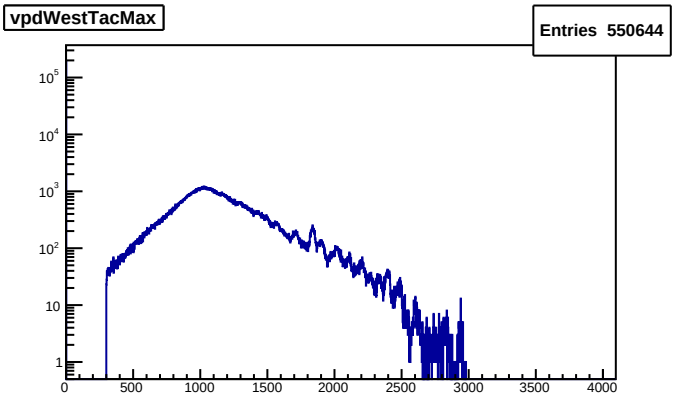
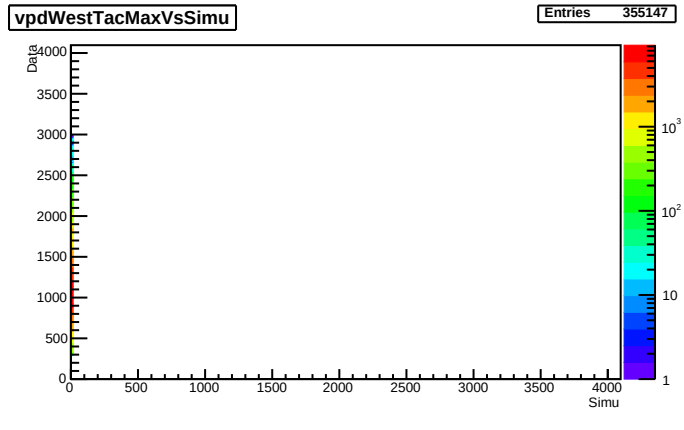
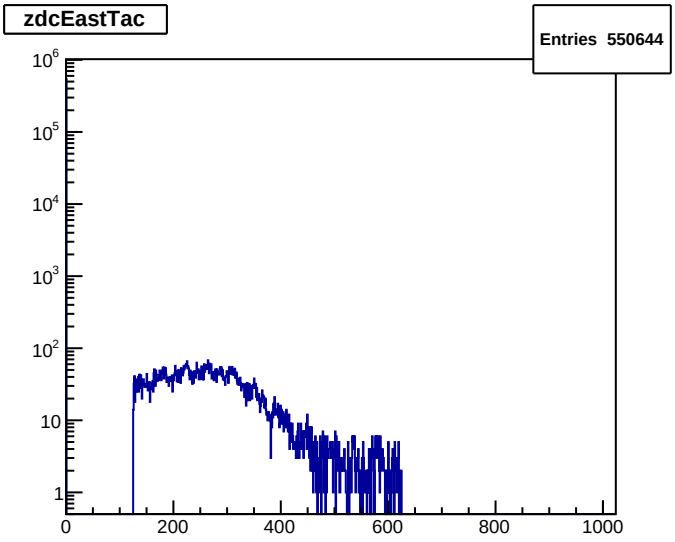
Entries 280012
Data
Simu

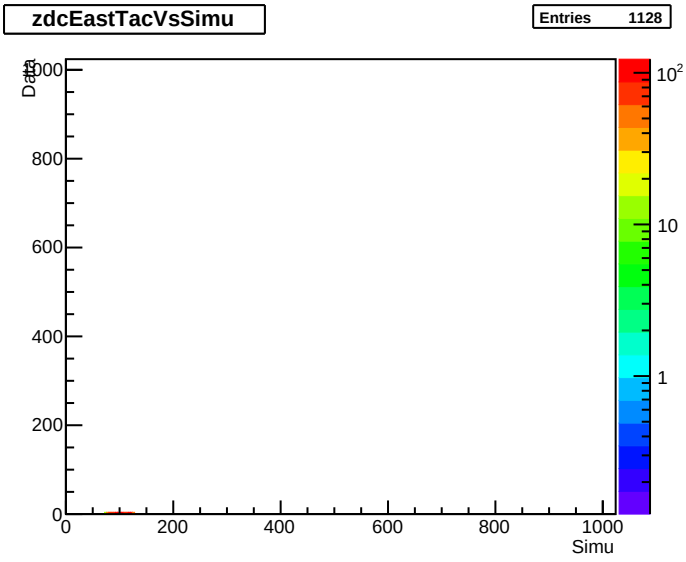

vpdWestAdcSum
Entries 550644

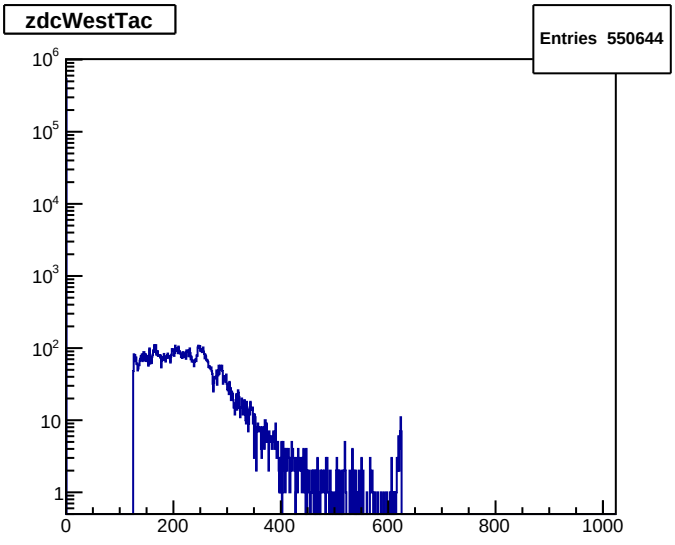

vpdWestAdcSumVsSimu
Entries 355147
Data
Simu

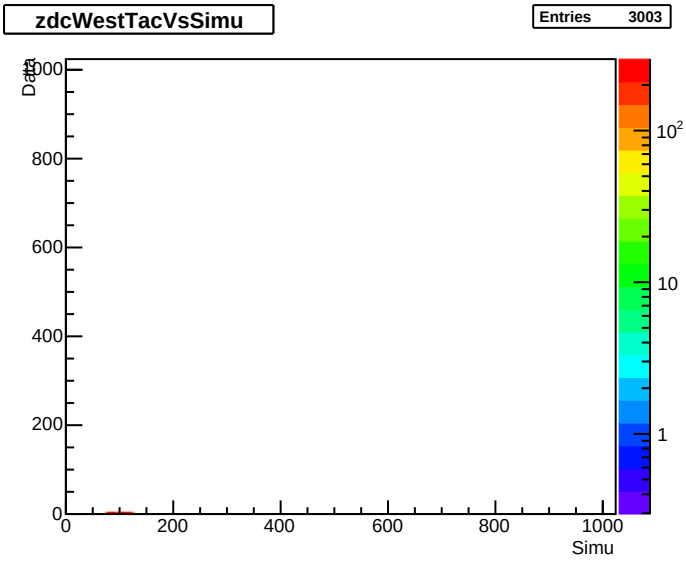

vpdWestTacMax
Entries 550644

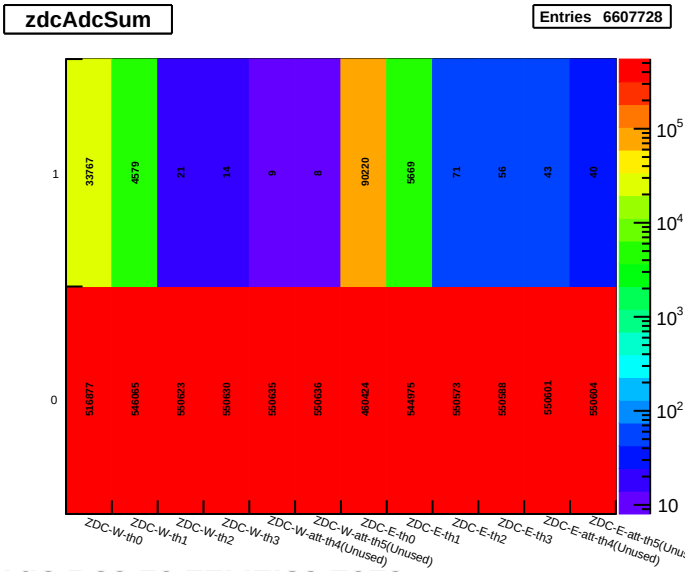

vpdWestTacMaxVsSimu
Entries 355147
Data
Simu


zdcEastTac
Entries 550644


zdcEastTacVsSimu
Entries 1128
Data
Simu


zdcWestTac
Entries 550644


zdcWestTacVsSimu
Entries 3003
Data
Simu


zdcAdcSum
Entries 6607728
33767
4579
21
14
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8
90220
5669
71
56
43
40
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546065
550623
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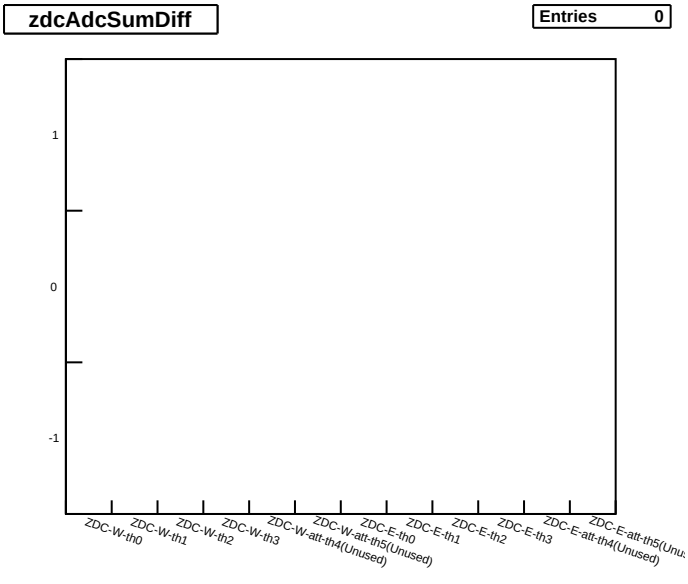
550635
550636
460424
544975
550573
550588
550601
550604
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)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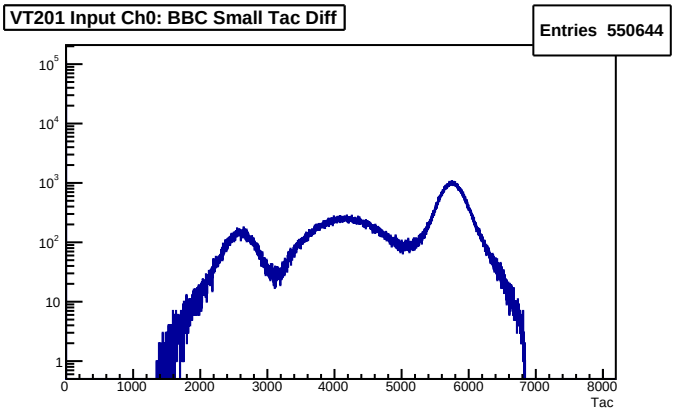
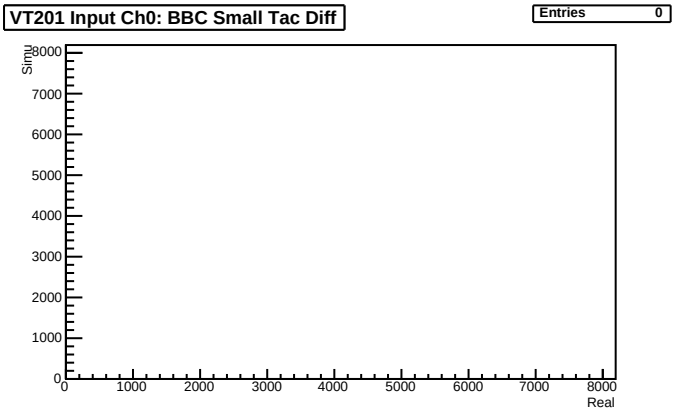
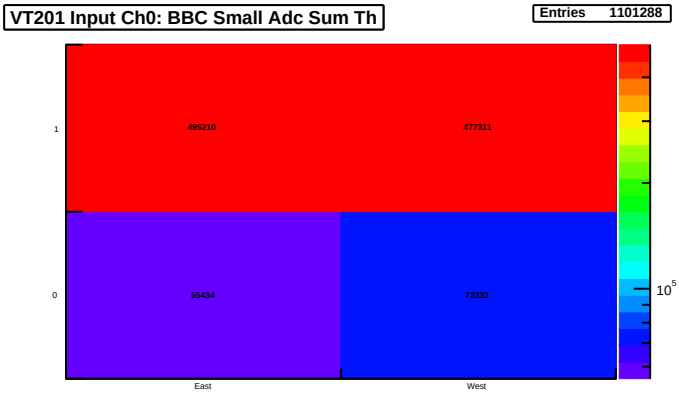
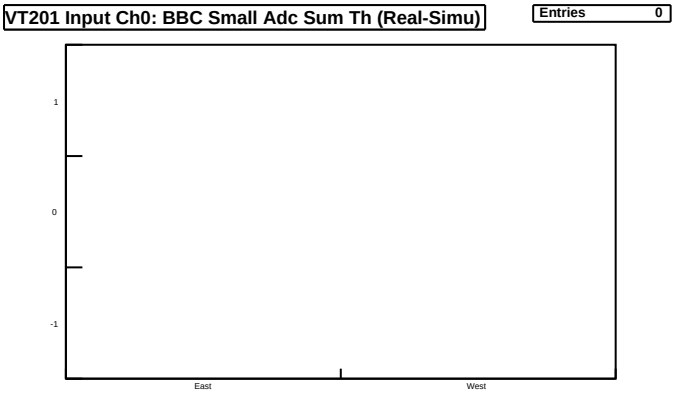
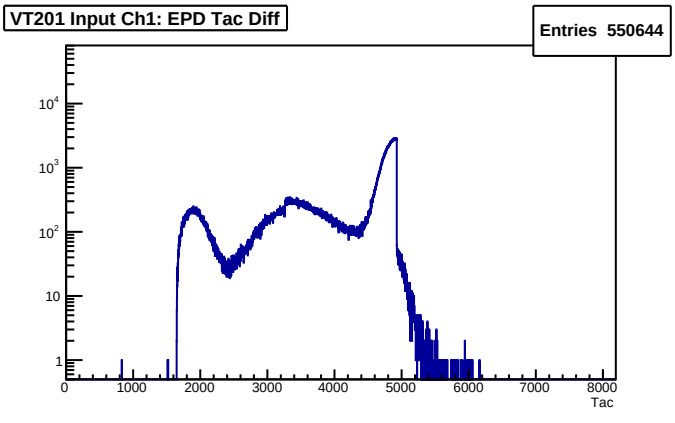
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

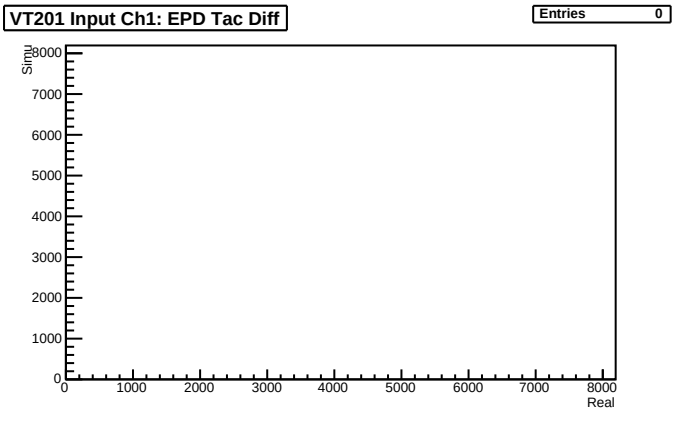

VT201 Input Ch0: BBC Small Tac Diff
Entries 550644
Tac

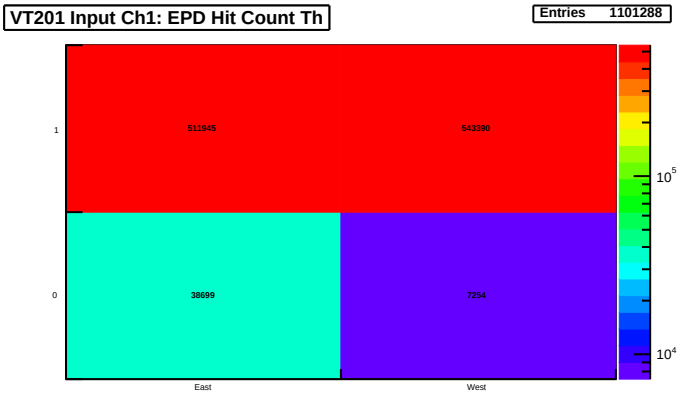

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

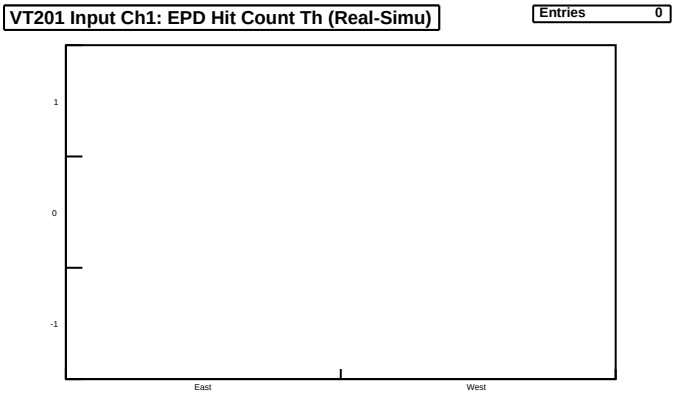

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1101288
495210
477311
55434
73333
East
West

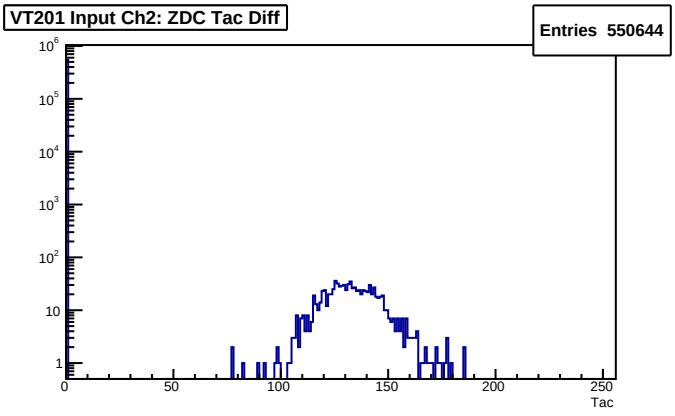

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

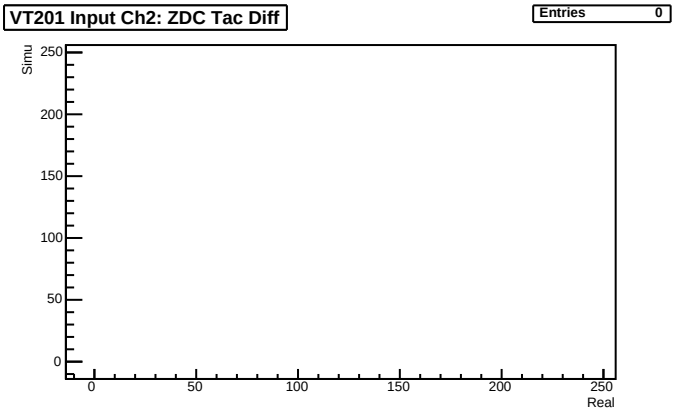

VT201 Input Ch1: EPD Tac Diff
Entries 550644
Tac

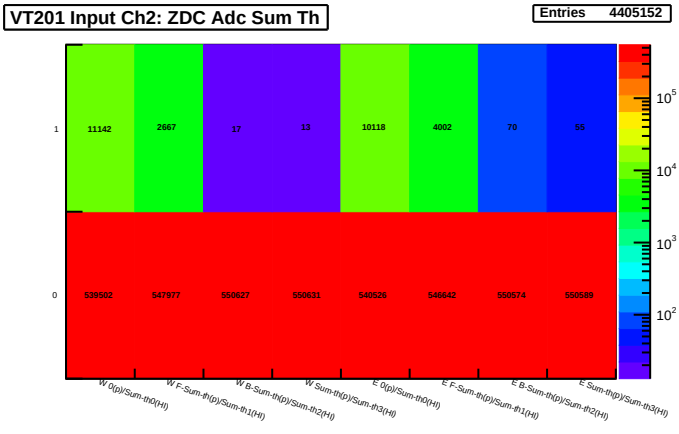

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

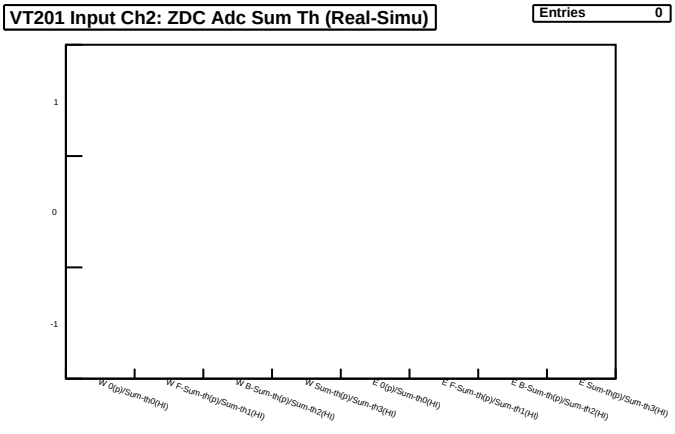

VT201 Input Ch1: EPD Hit Count Th
Entries 1101288
511945
543390
38699
7254
East
West

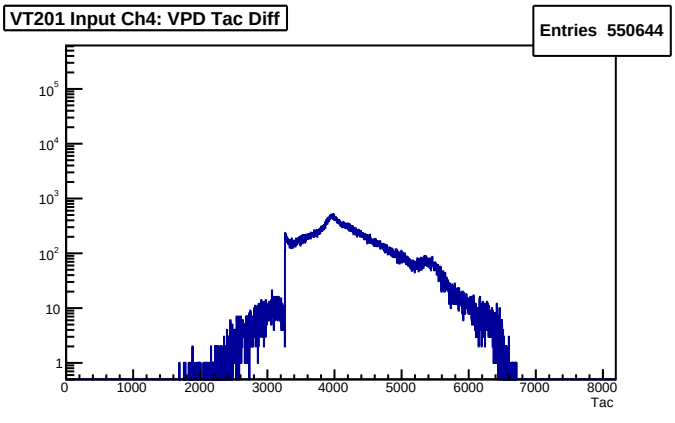

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

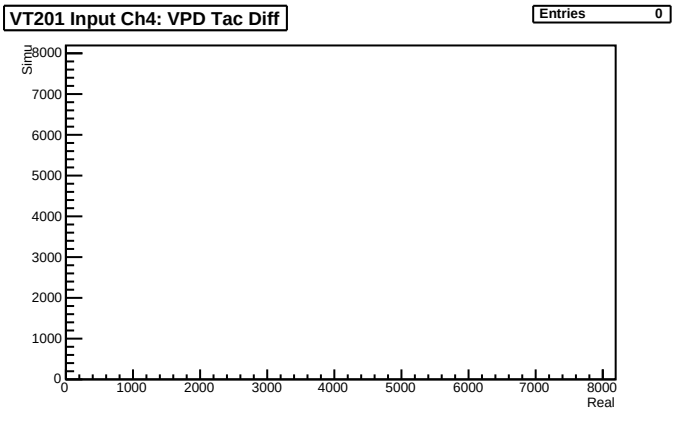

VT201 Input Ch2: ZDC Tac Diff
Entries 550644
Tac

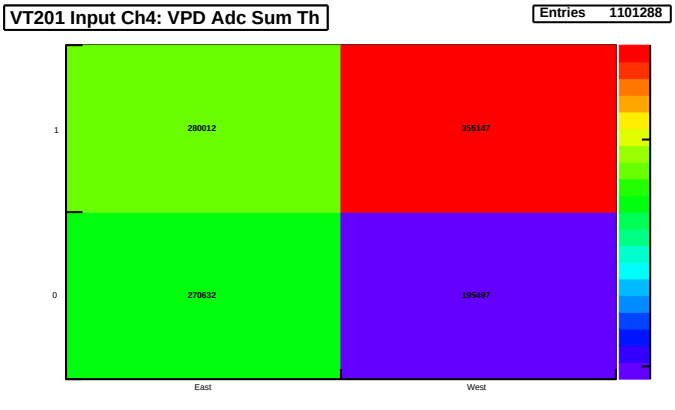

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

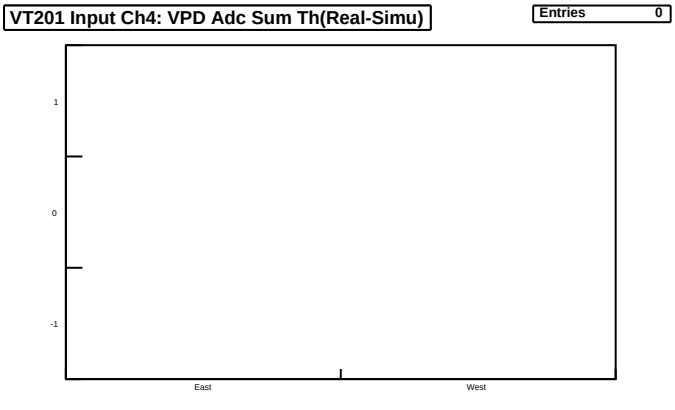

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4405152
11142
2667
17
13
10118
4002
70
55
539502
547977
550627
550631
540526
546642
550574
550589
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

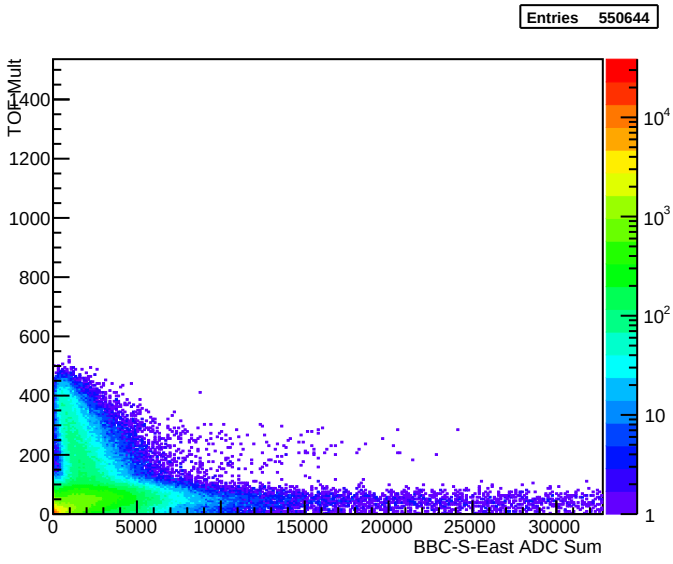

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

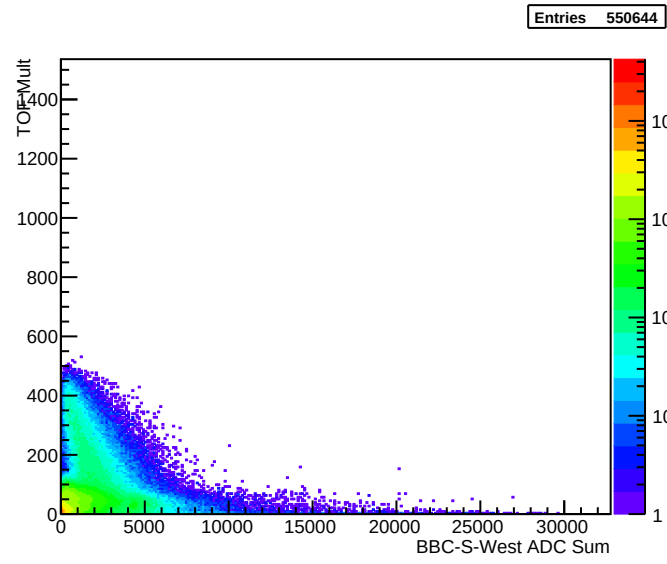

VT201 Input Ch4: VPD Tac Diff
Entries 550644
Tac

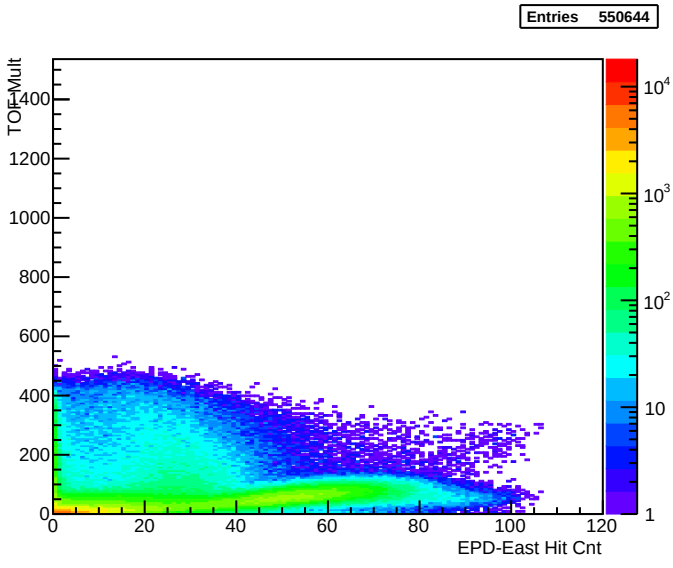

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

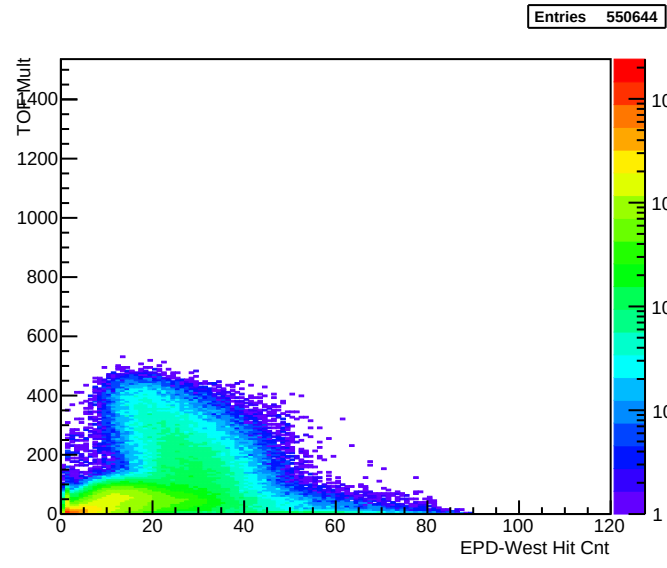

VT201 Input Ch4: VPD Adc Sum Th
Entries 1101288
280012
355147
270632
195497
East
West

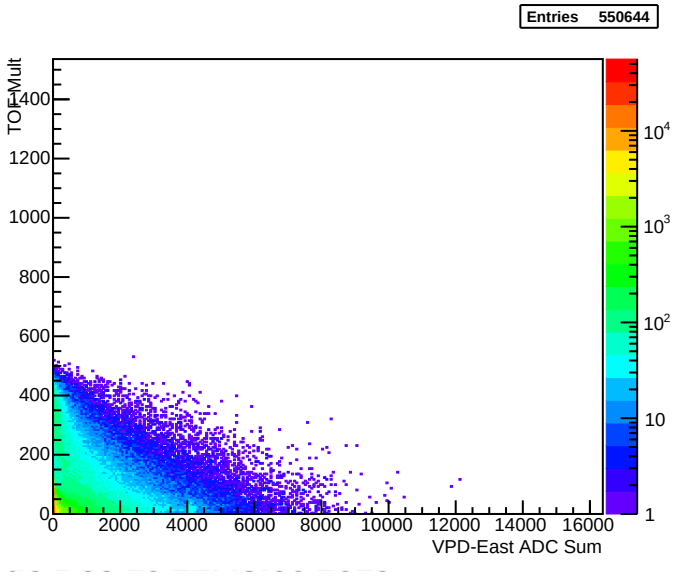

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

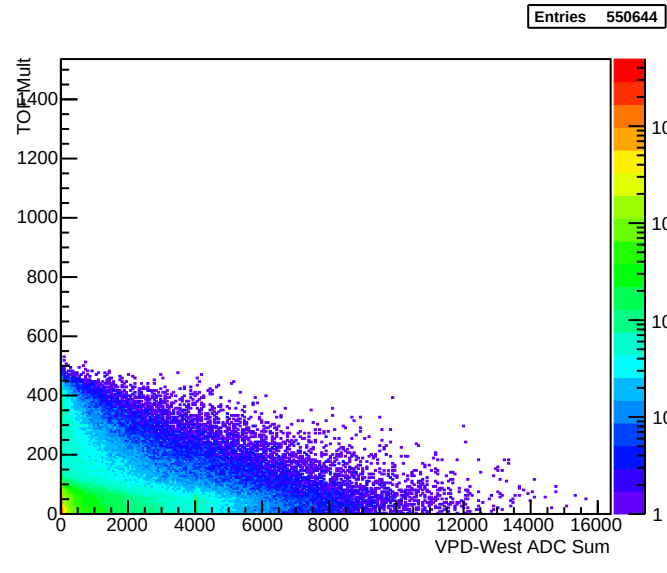

Entries 550644
TOF-Mult
BBC-S-East ADC Sum

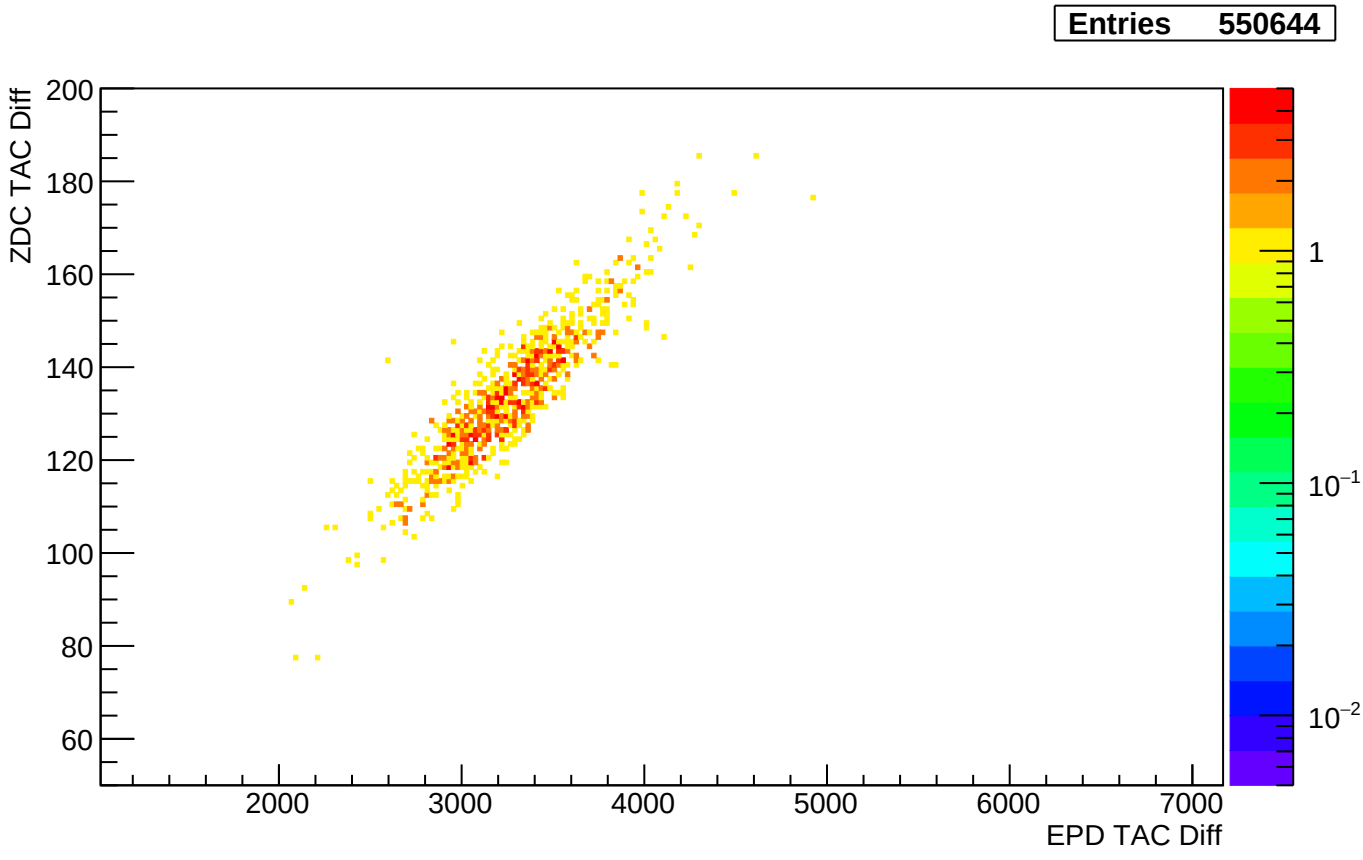

Entries 550644
TOF-Mult
BBC-S-West ADC Sum

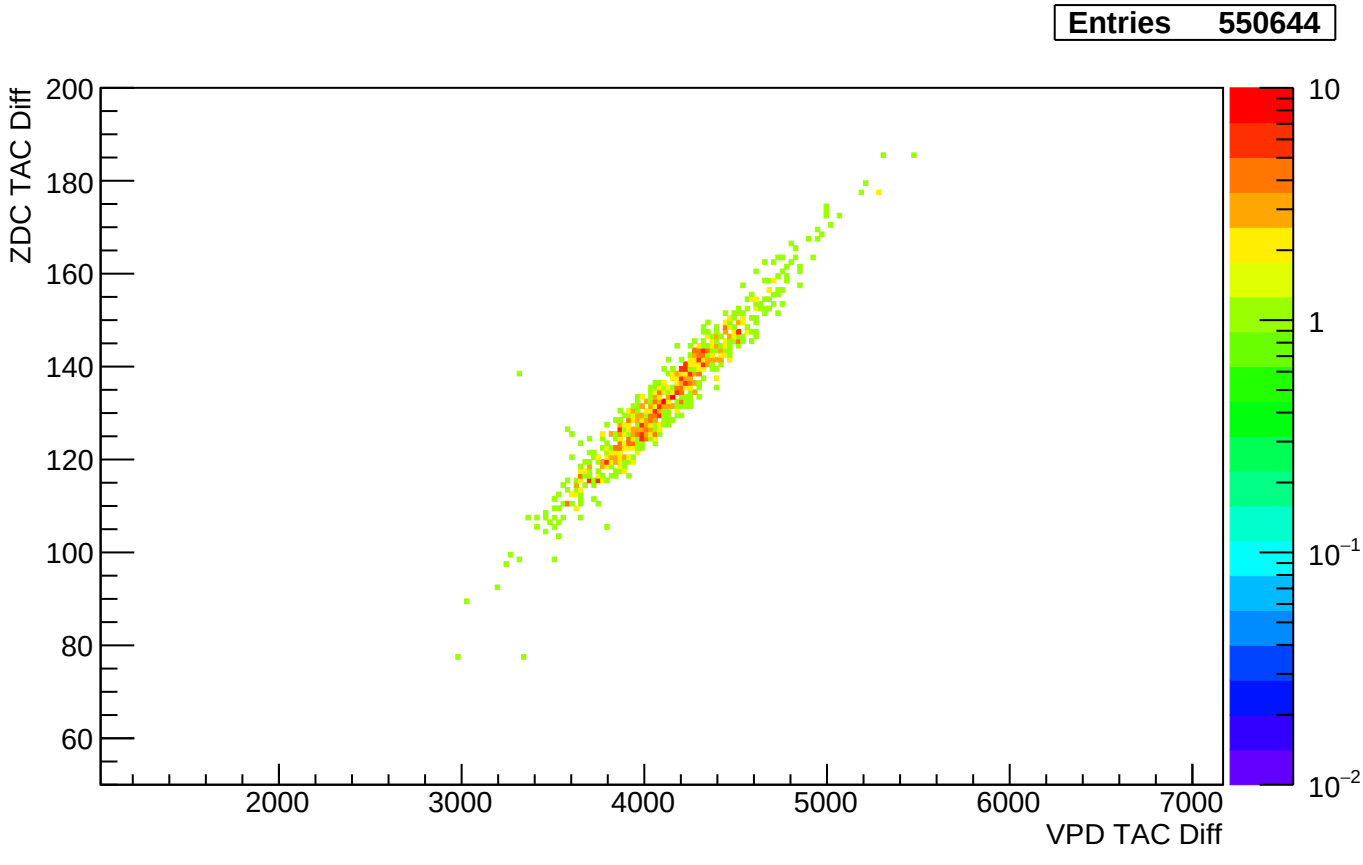

Entries 550644
TOF-Mult
EPD-East Hit Cnt

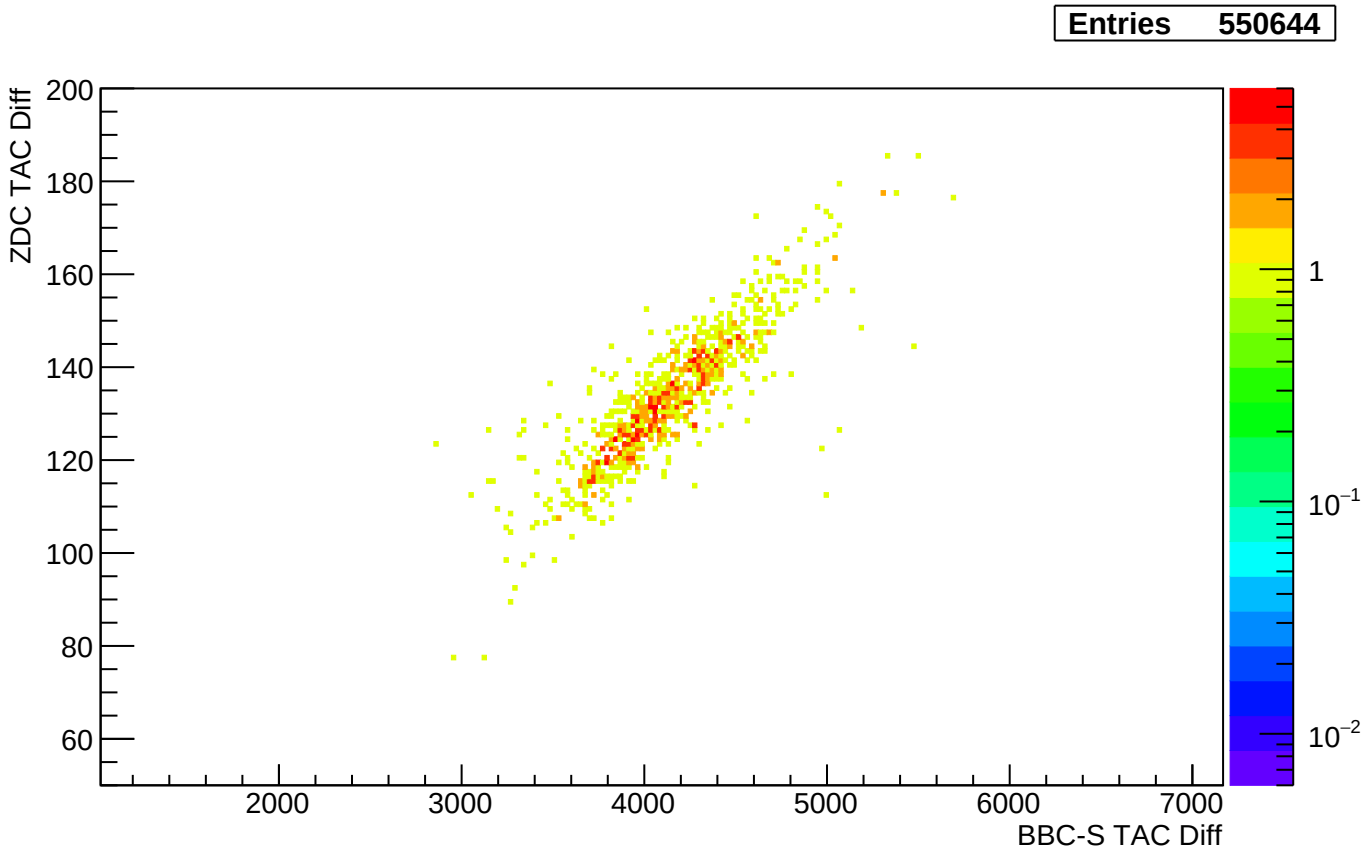

Entries 550644
TOF-Mult
EPD-West Hit Cnt

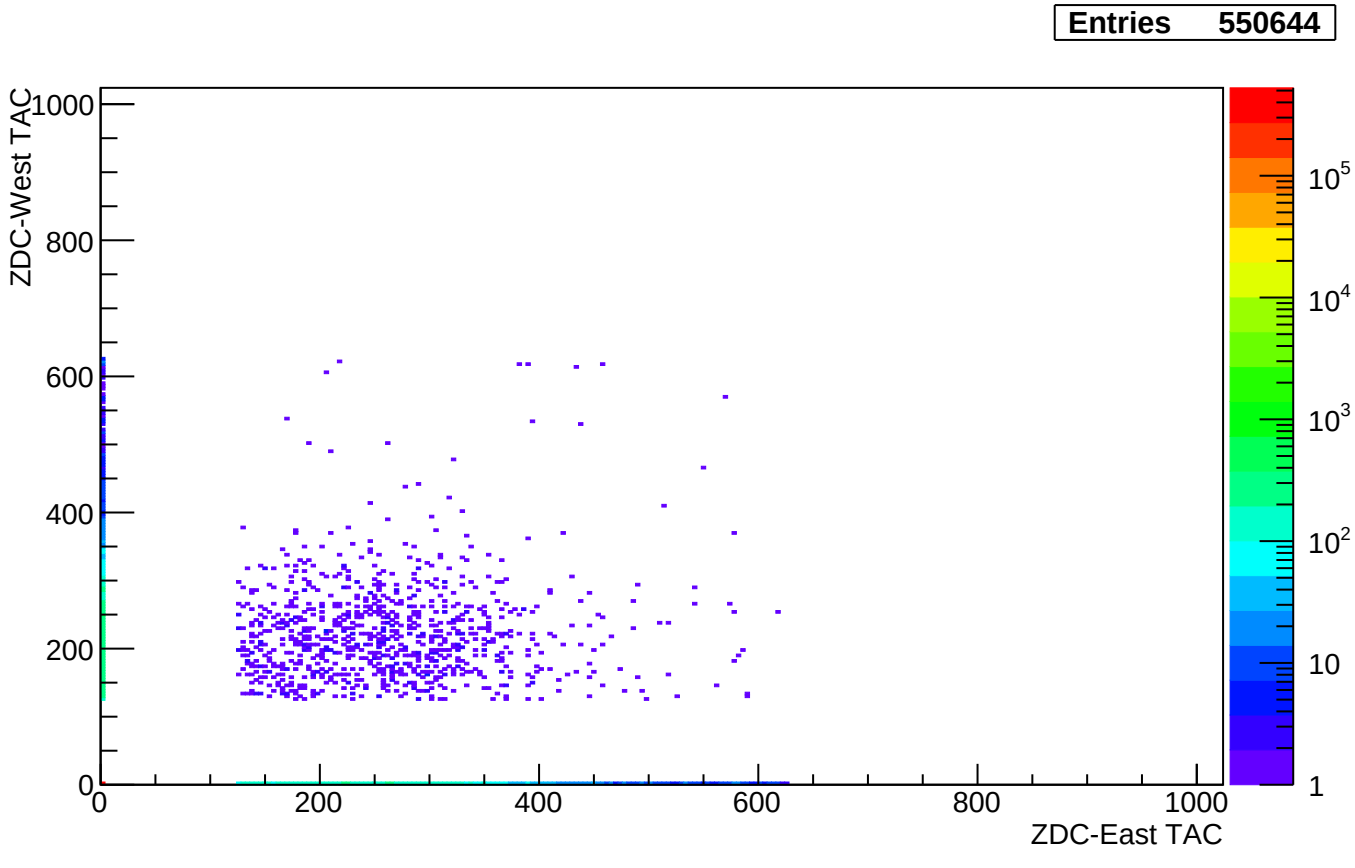

Entries 550644
TOF-Mult
VPD-East ADC Sum

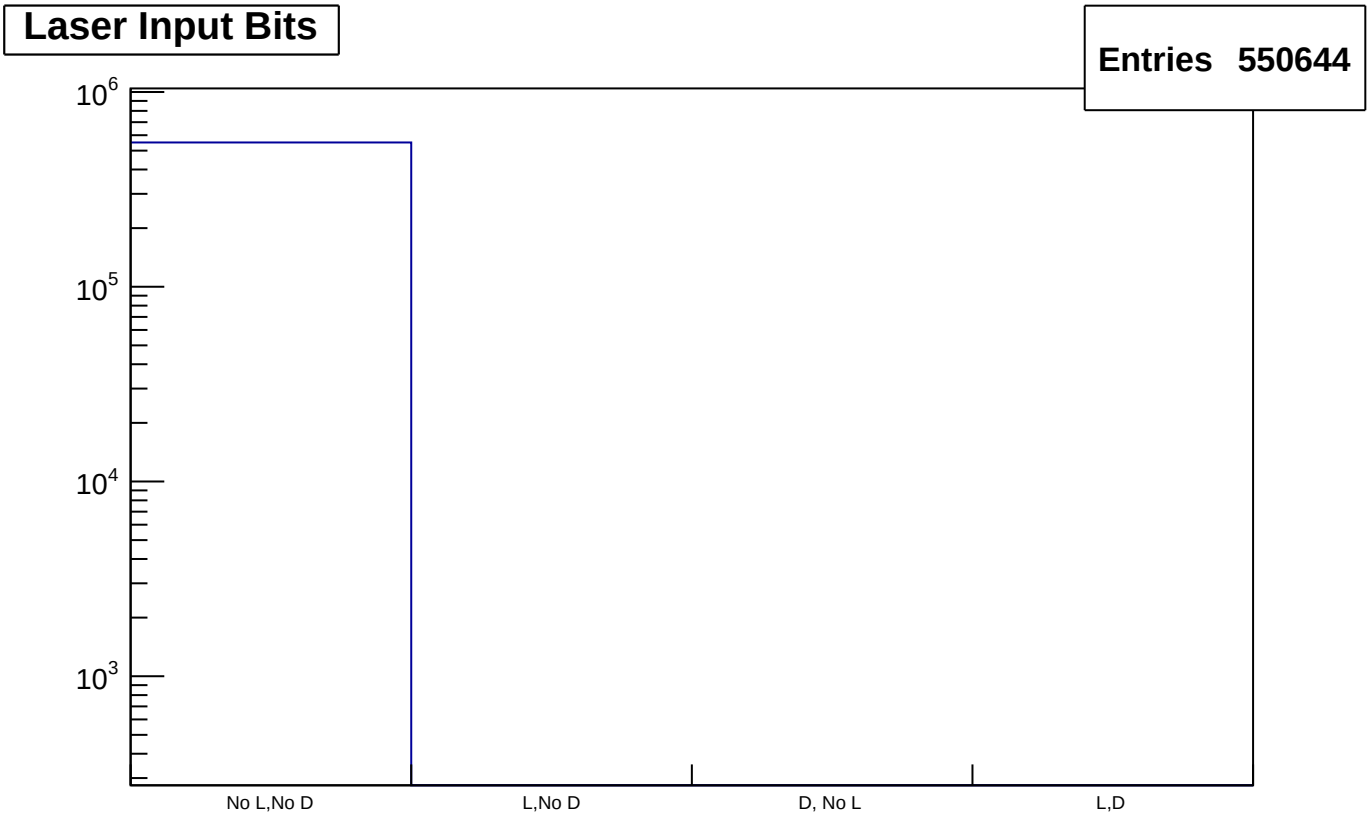

Entries 550644
TOF-Mult
VPD-West ADC Sum

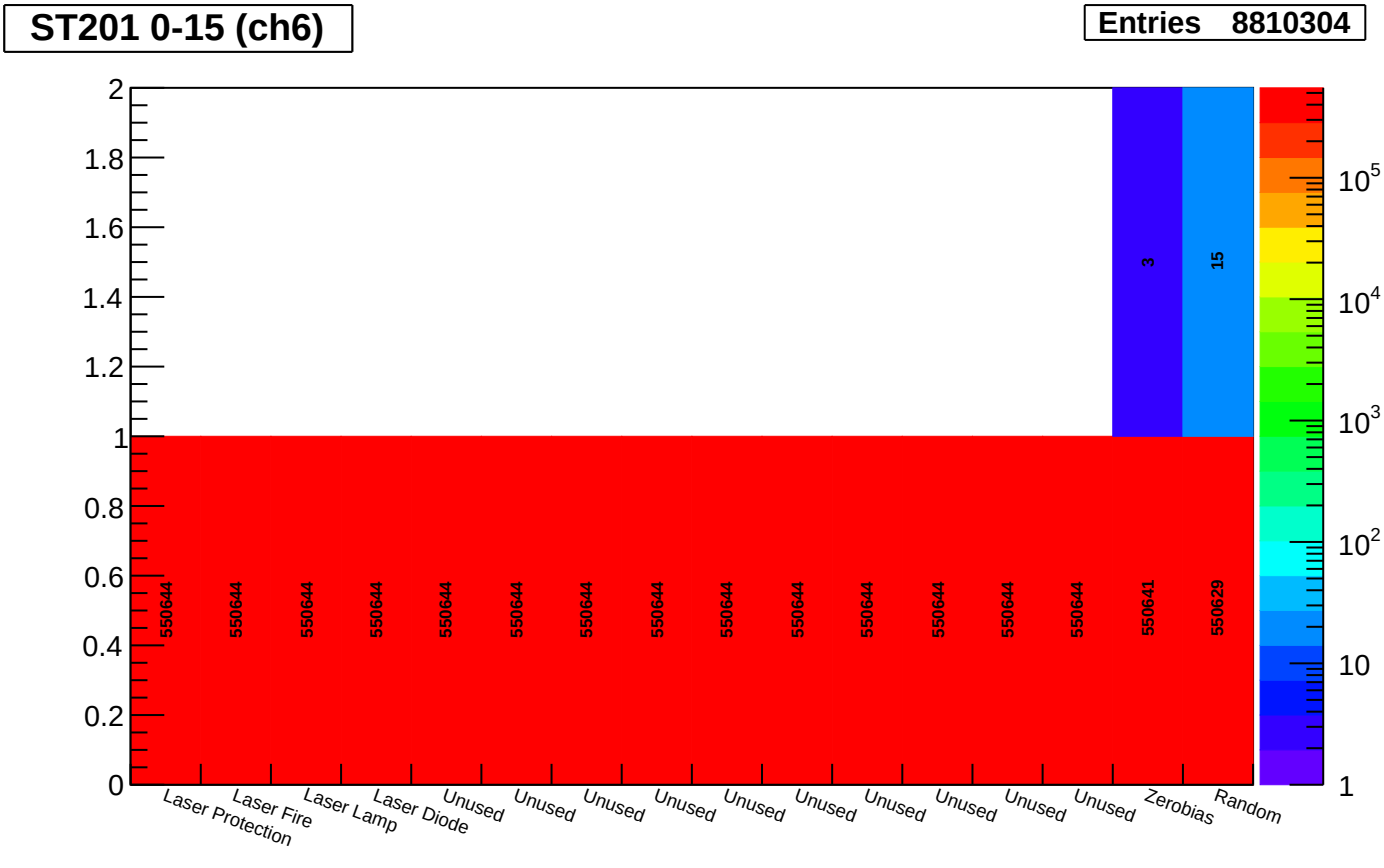

Entries 550644
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

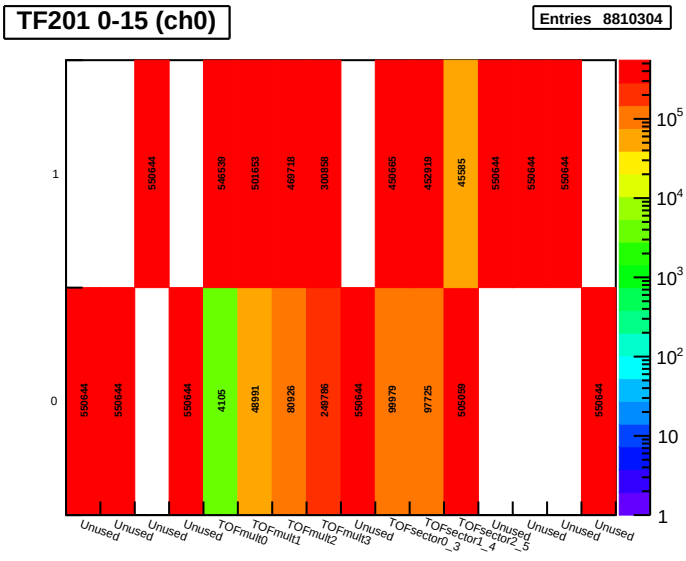

Entries 550644
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
10^{-1}
10^{-2}

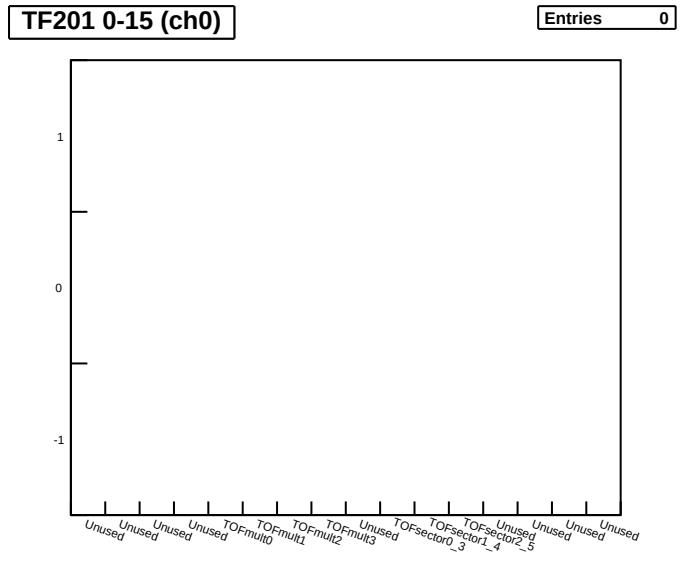

Entries 550644
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

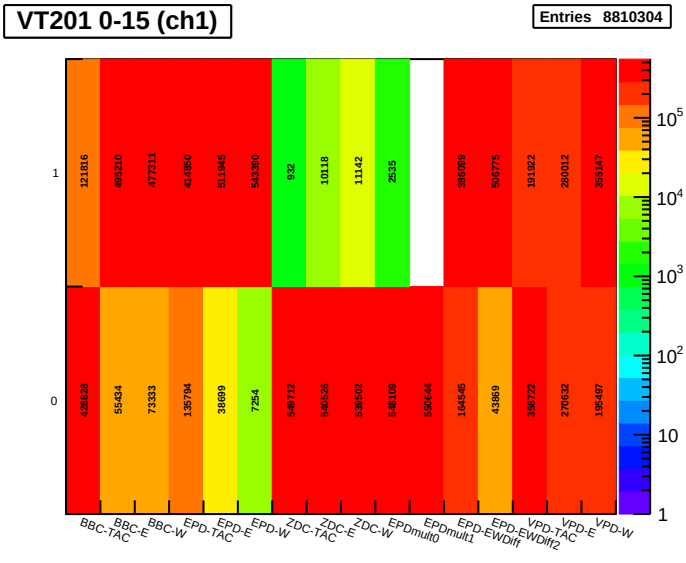

Entries 550644
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

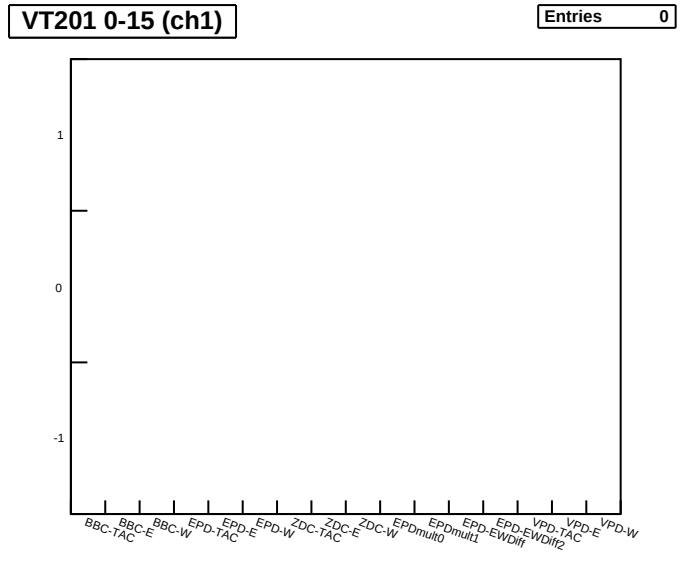

Laser Input Bits
Entries 550644
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

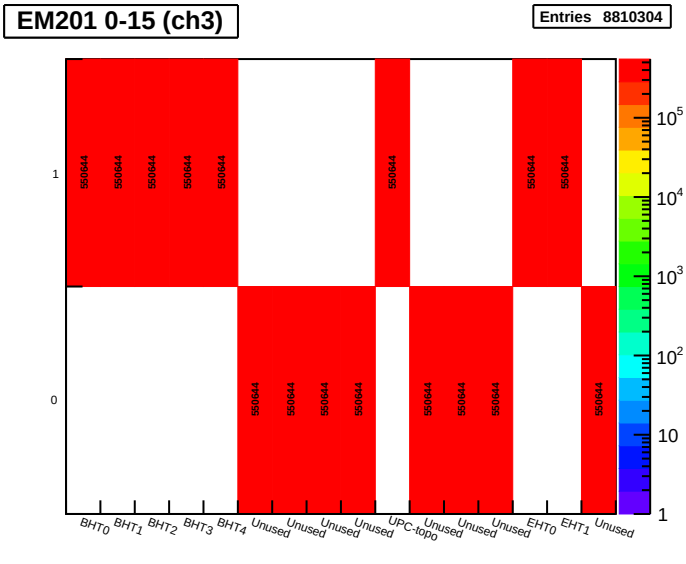

ST201 0-15 (ch6)
Entries 8810304
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
550644
550644
550644
550644
550644
550644
550644
550644
550644
550644
550644
550644
550644
550644
550641
550629
3
15
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

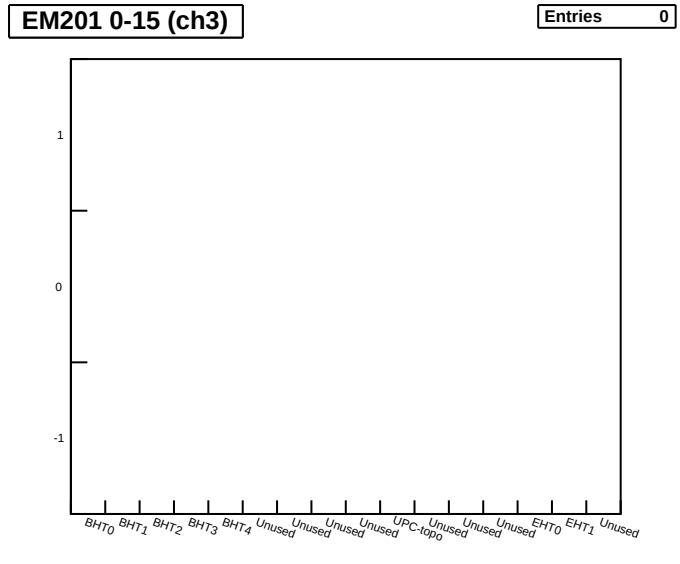

TF201 0-15 (ch0)
Entries 8810304
1
0
550644 546539 501653 469718 300858 450665 452919 45985 550644 550644 550644
550644 550644 550644 4105 49991 80926 249786 550644 99979 97725 505059 550644
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 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


VT201 0-15 (ch1)
Entries 8810304
1
0
121816 495210 477311 414850 511945 543390 922 10118 11142 2535 386099 506775 191922 280012 355147
428828 55434 73333 135794 38699 7254 549712 540526 538502 548109 550644 164545 43869 358722 270632 195497
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 8810304
1
0
550644 550644 550644 550644 550644 550644 550644 550644
550644 550644 550644 550644 550644 550644 550644 550644
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