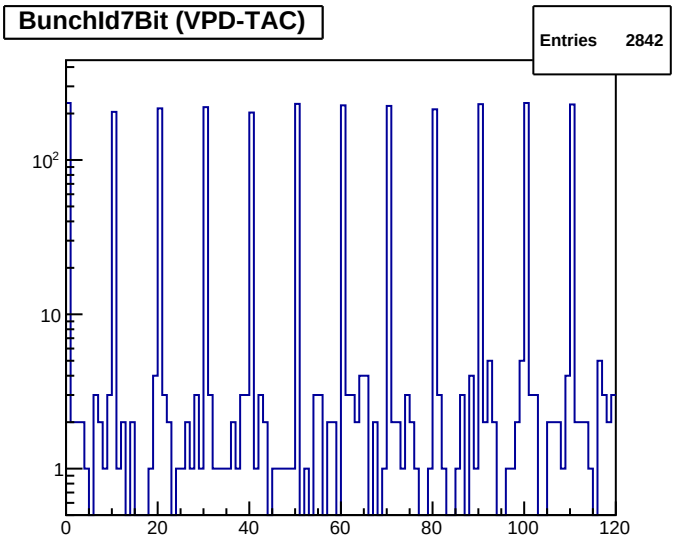
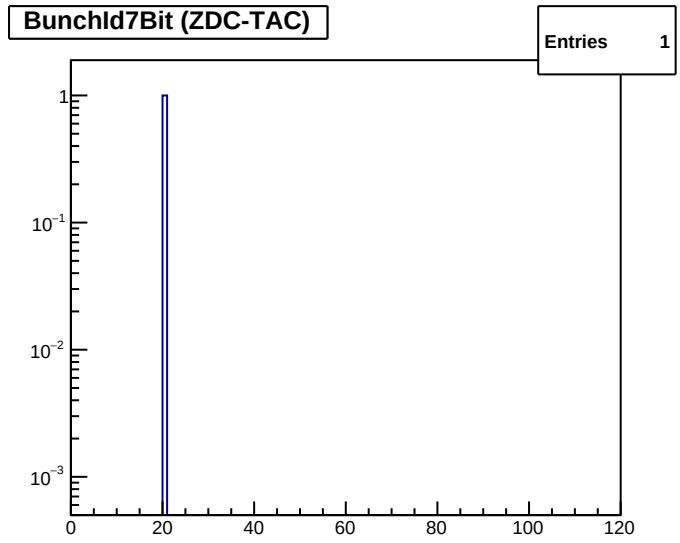
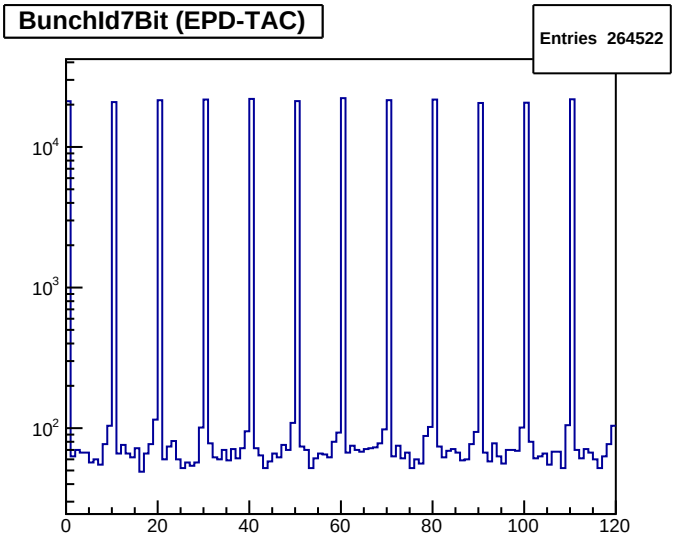
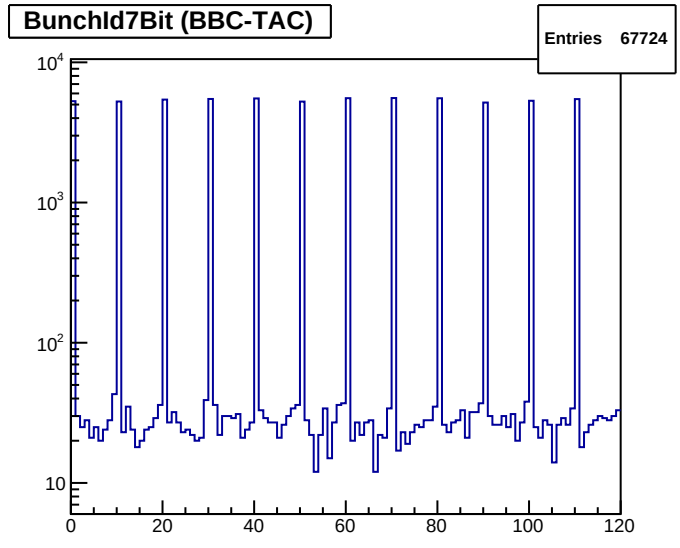
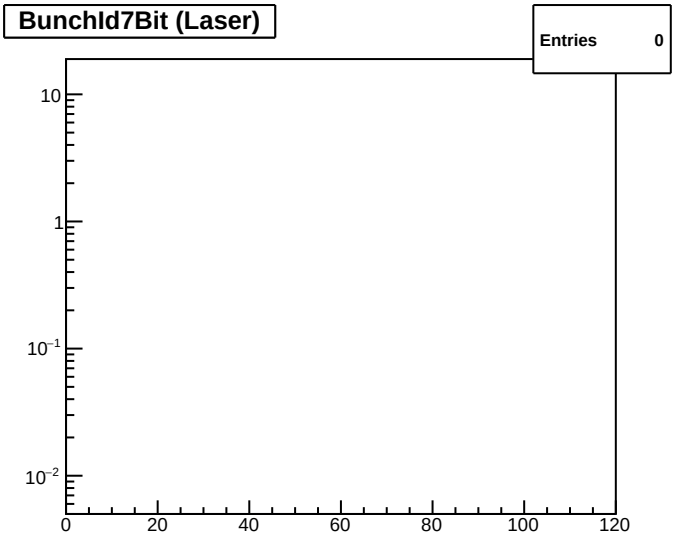
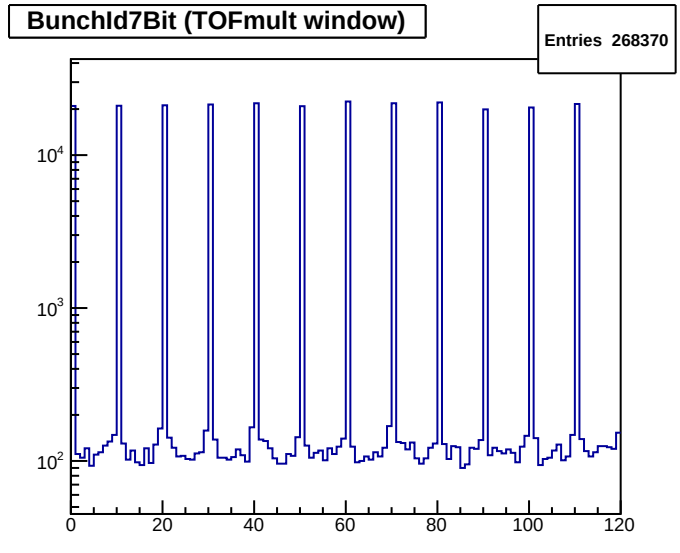

BunchId7Bit (VPD-TAC)
Entries 2842

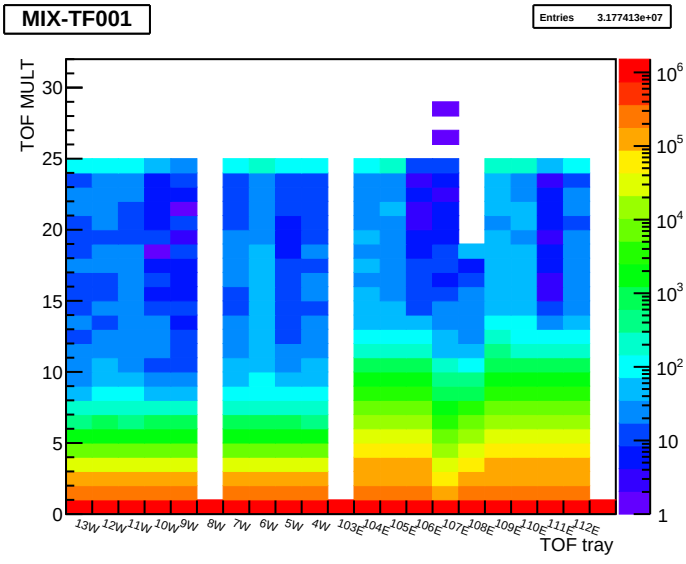

BunchId7Bit (ZDC-TAC)
Entries 1

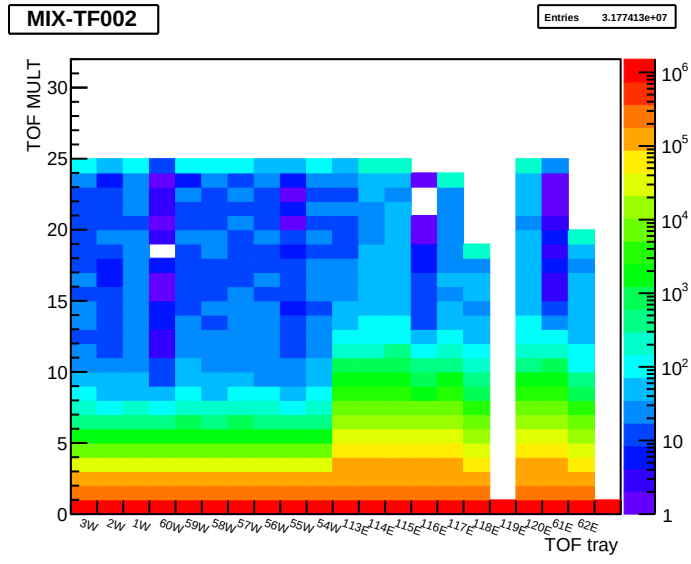

BunchId7Bit (EPD-TAC)
Entries 264522

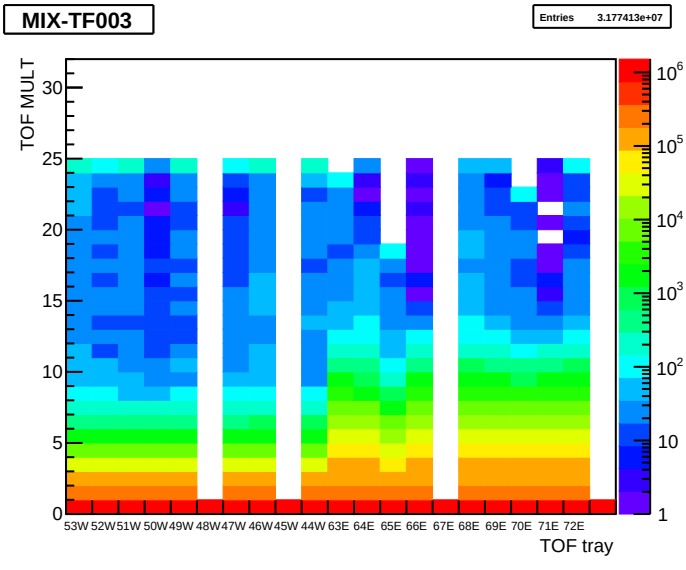

BunchId7Bit (BBC-TAC)
Entries 67724

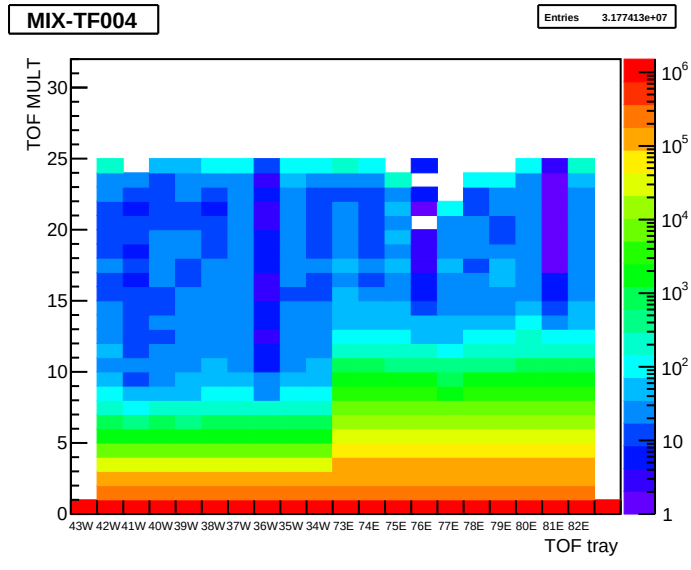

BunchId7Bit (Laser)
Entries 0

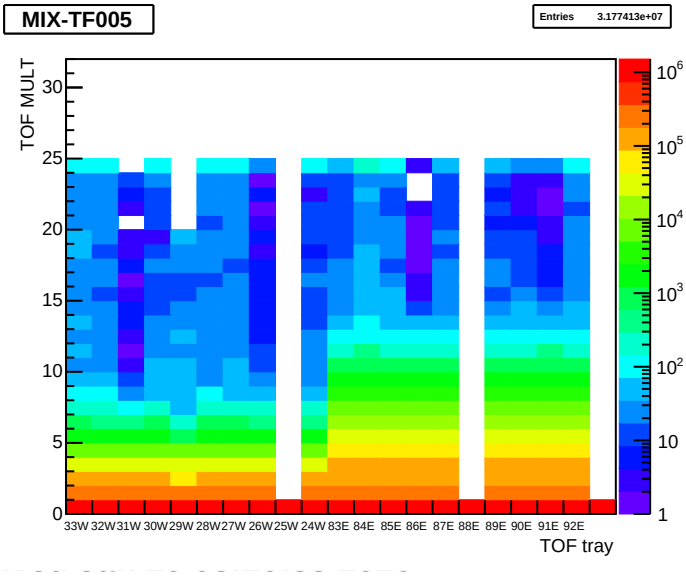

BunchId7Bit (TOFmult window)
Entries 268370

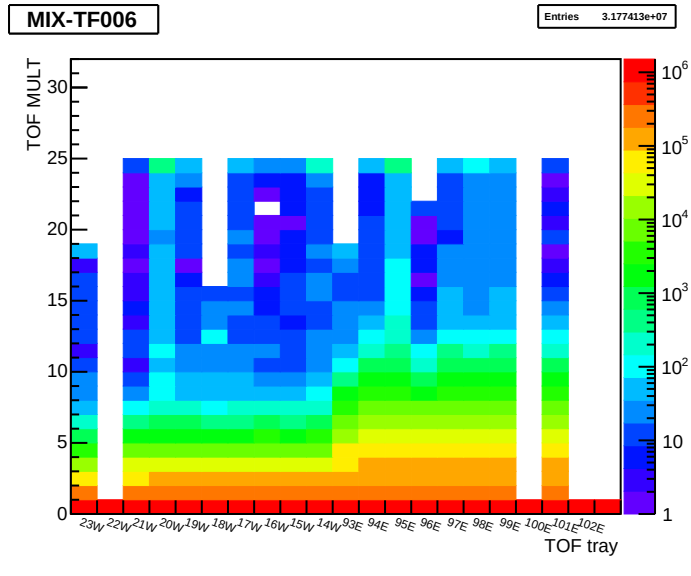

MIX-TF001
Entries 3.177413e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

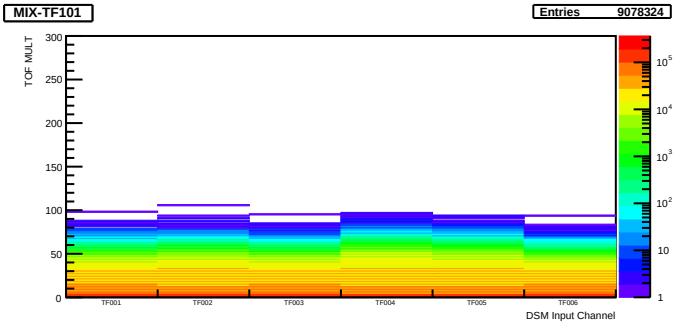

MIX-TF002
Entries 3.177413e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

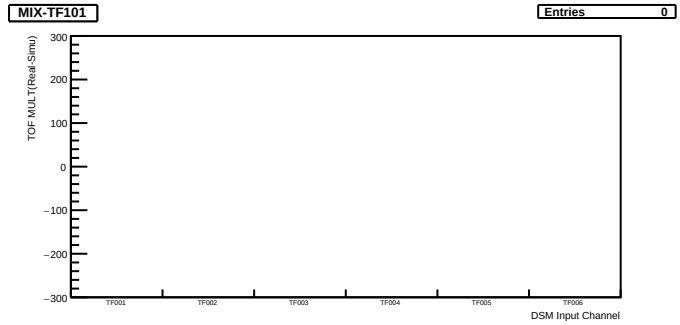

MIX-TF003
Entries 3.177413e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

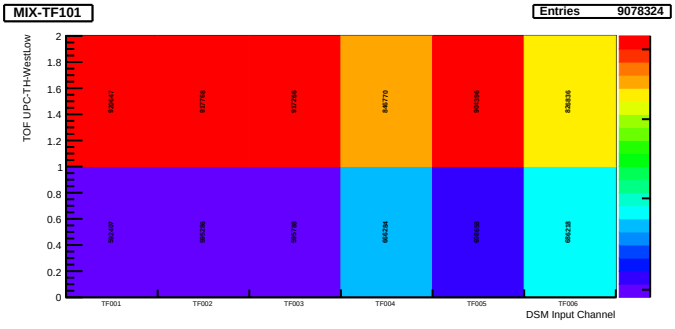

MIX-TF004
Entries 3.177413e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

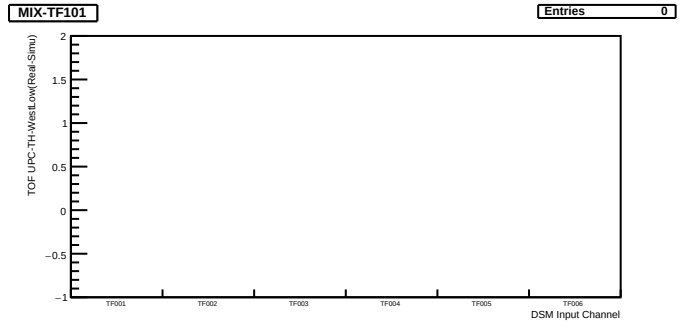

MIX-TF005
Entries 3.177413e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

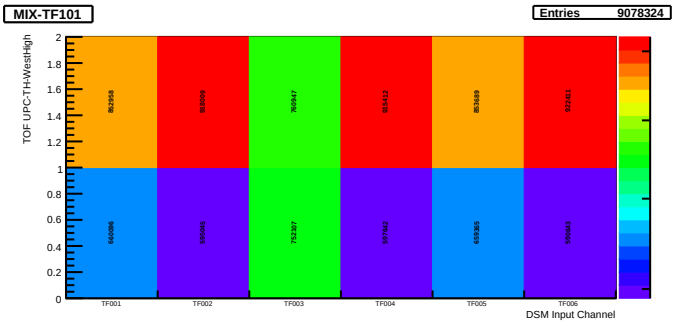

MIX-TF006
Entries 3.177413e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

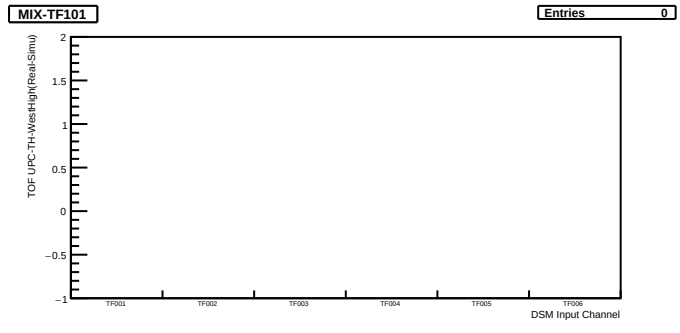

MIX-TF101
Entries 9078324
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

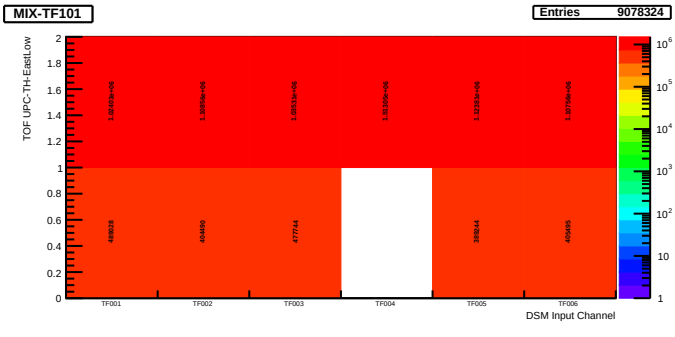

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

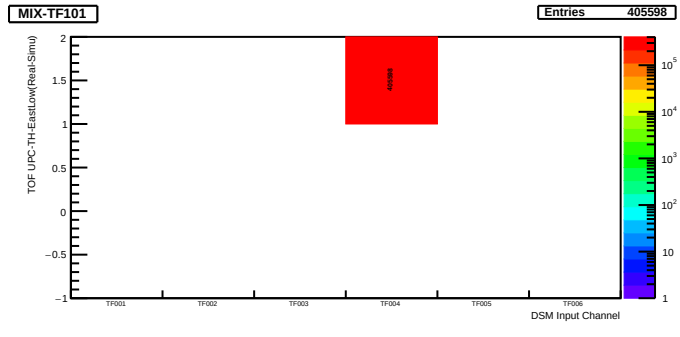

MIX-TF101
Entries 9078324
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

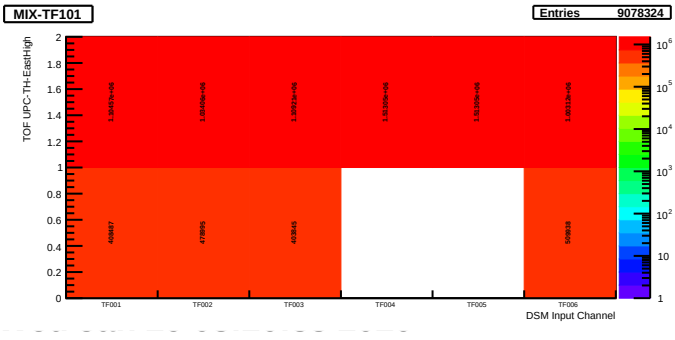

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

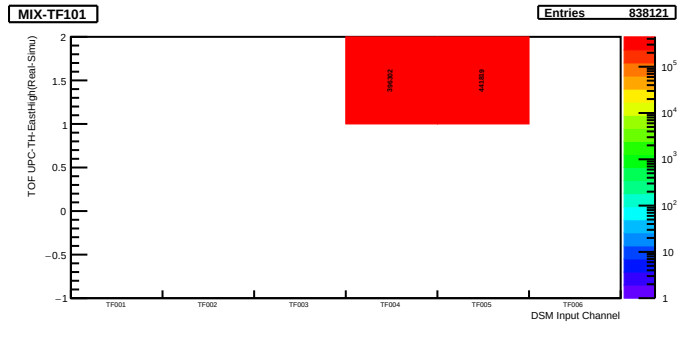

MIX-TF101
Entries 9078324
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

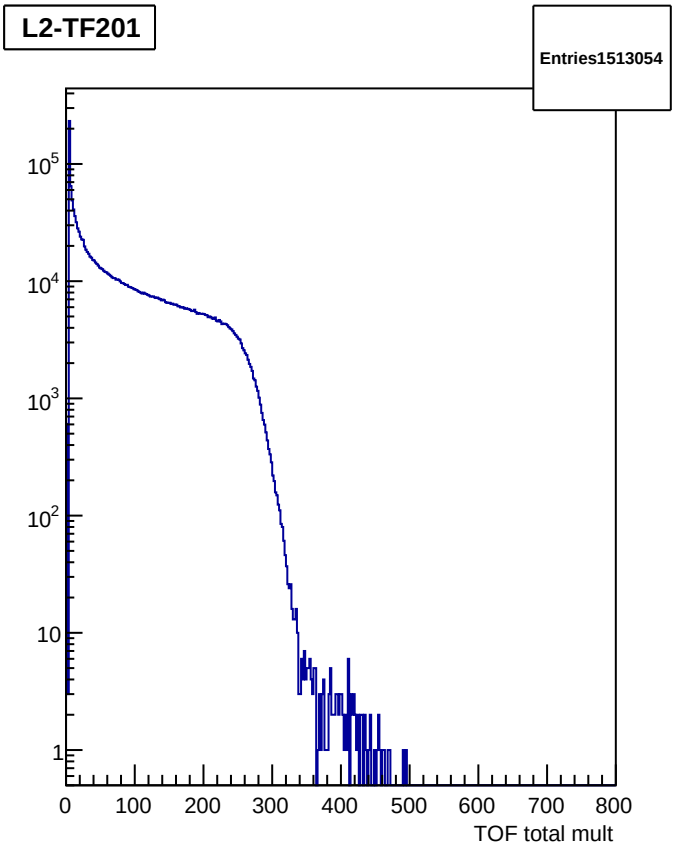

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

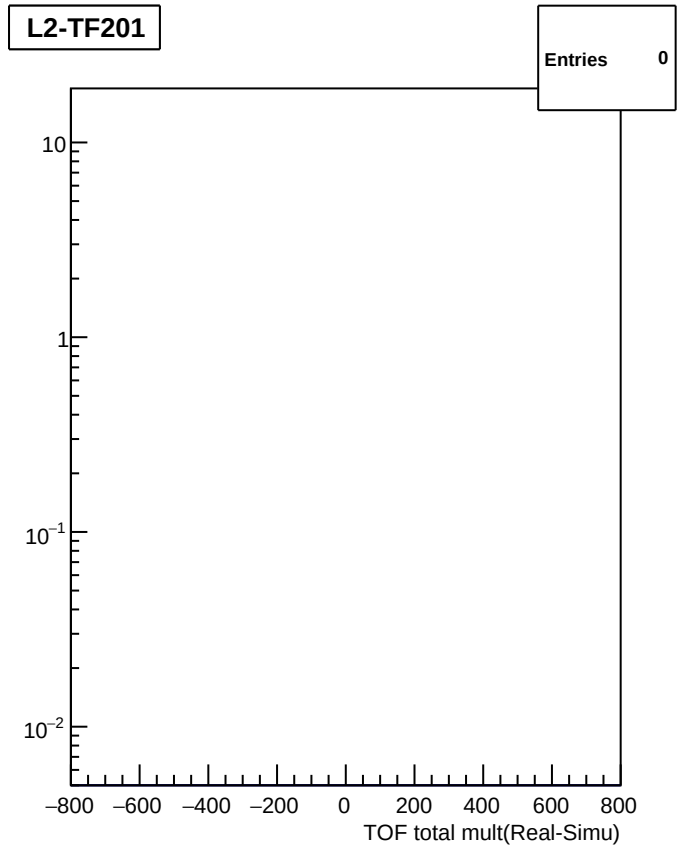

MIX-TF101
Entries 9078324
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

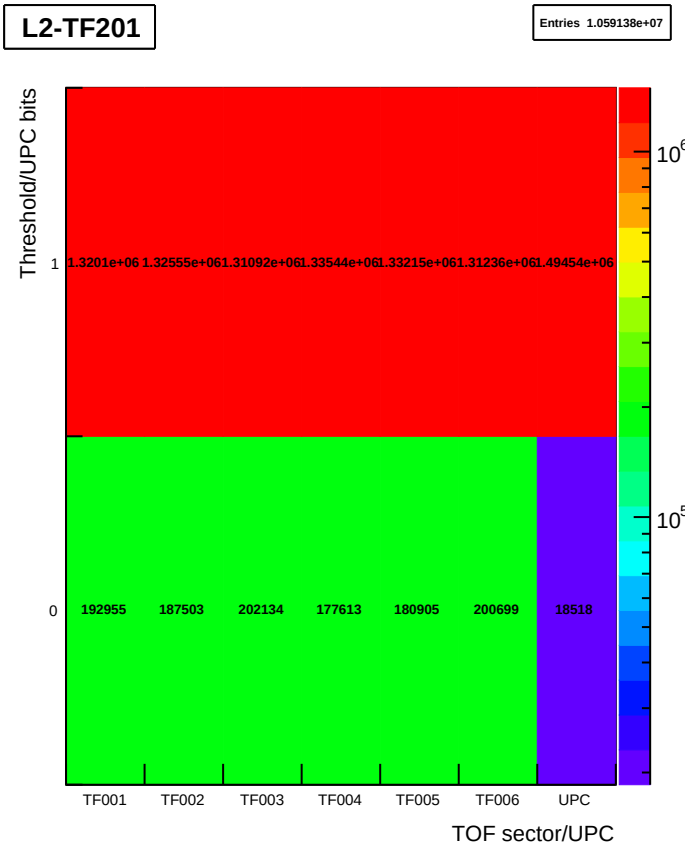

MIX-TF101
Entries 405598
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

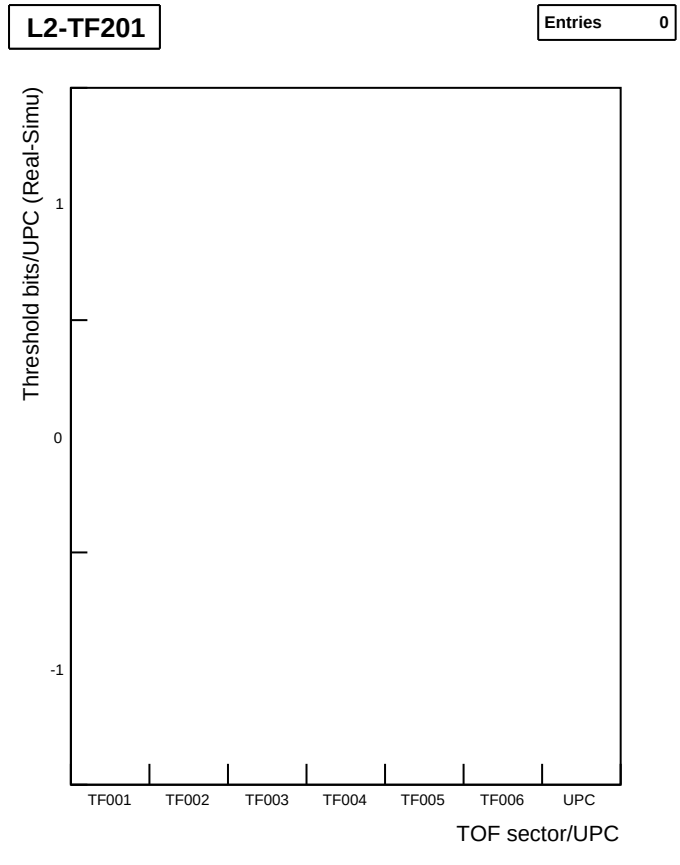

MIX-TF101
Entries 9078324
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

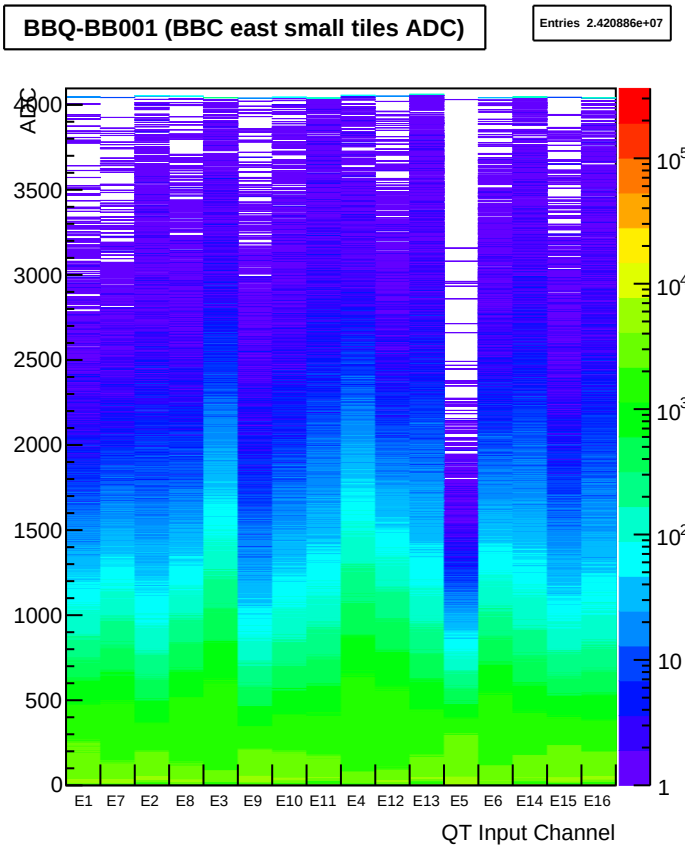

MIX-TF101
Entries 838121
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

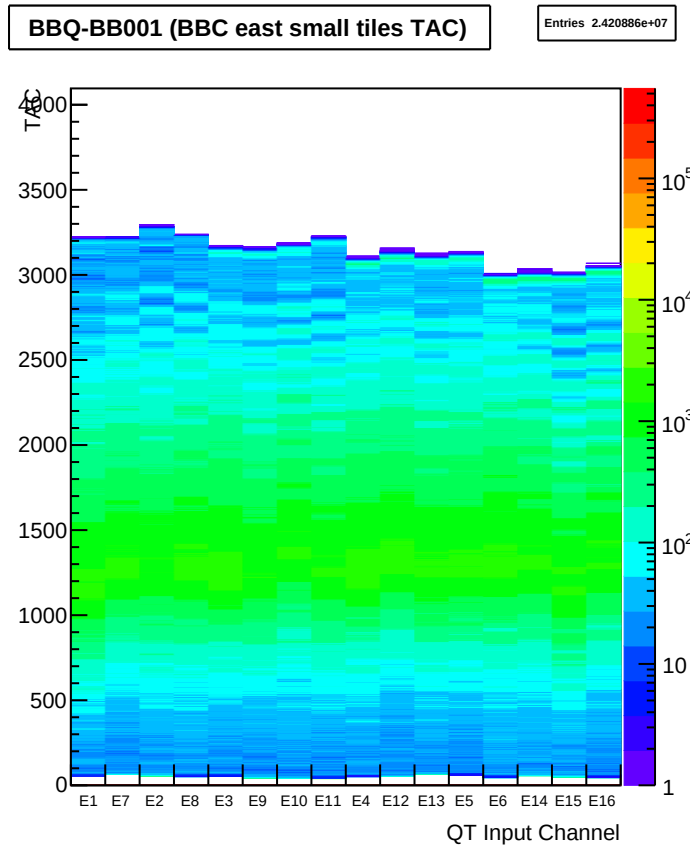

L2-TF201
Entries1513054
TOF total mult

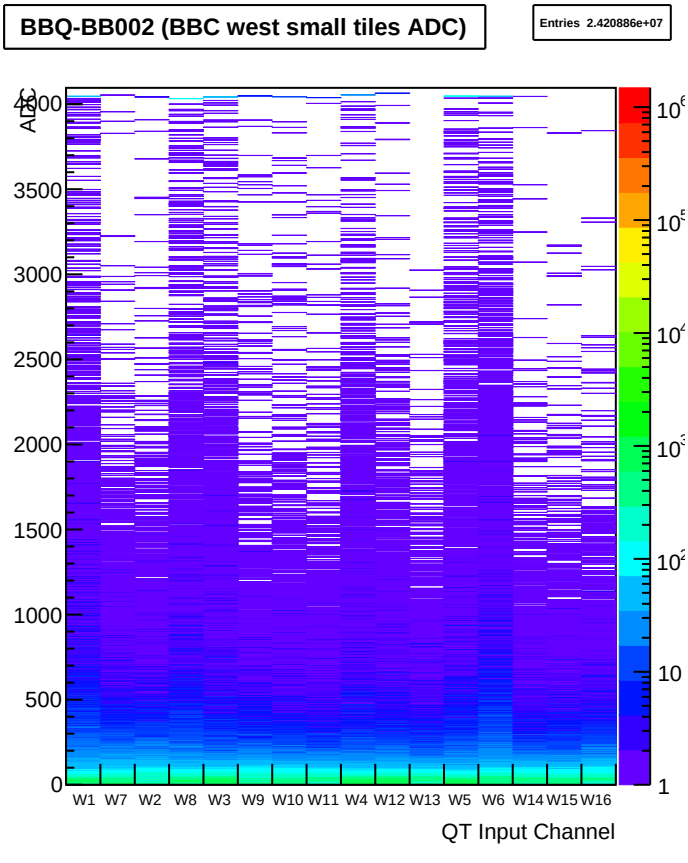

L2-TF201
Entries 0
TOF total mult(Real-Simu)

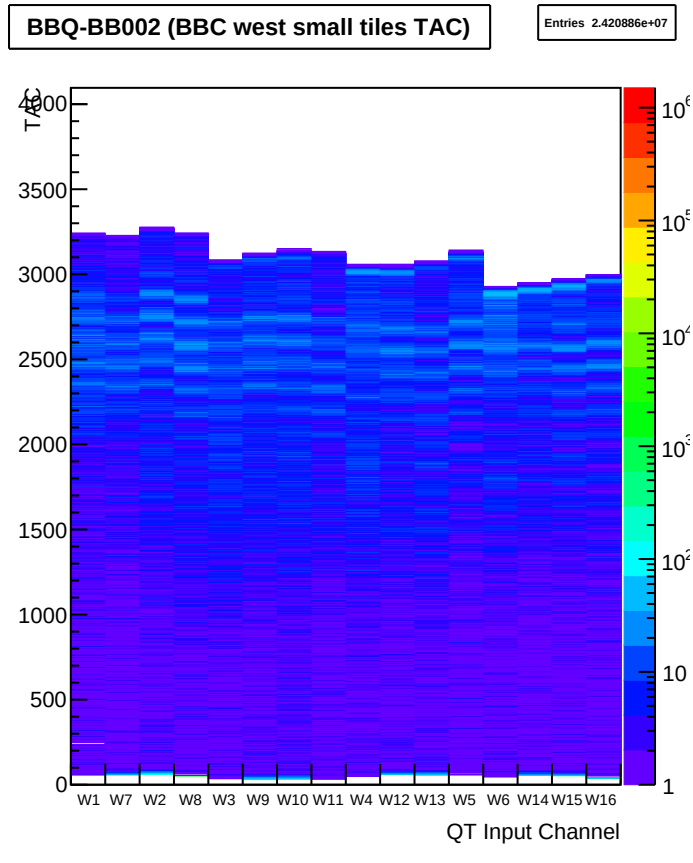

L2-TF201
Entries 1.059138e+07
Threshold/UPC bits
1.3201e+06 1.32555e+06 1.31092e+06 1.33544e+06 1.33215e+06 1.31236e+06 1.49454e+06
192955 187503 202134 177613 180905 200699 18518
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

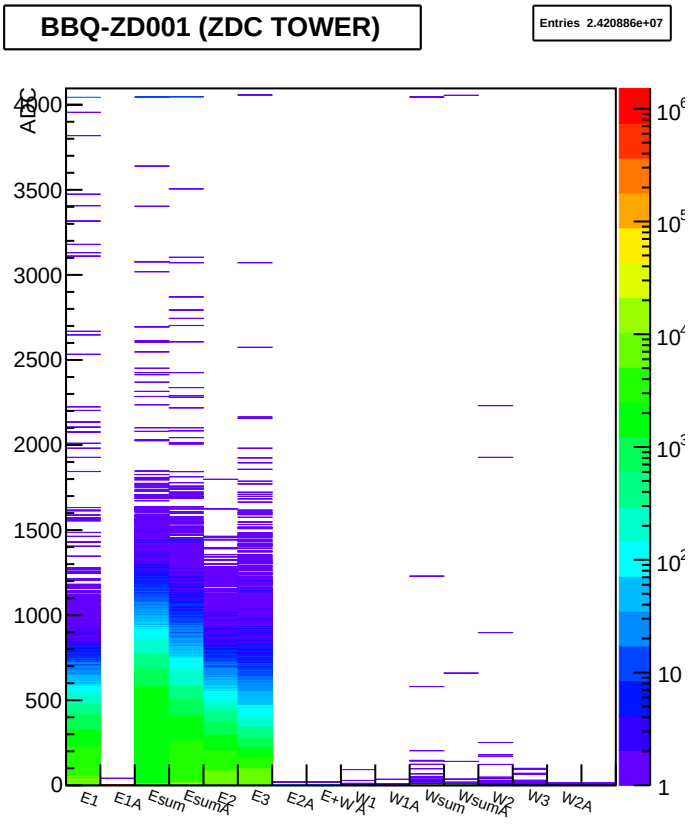

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

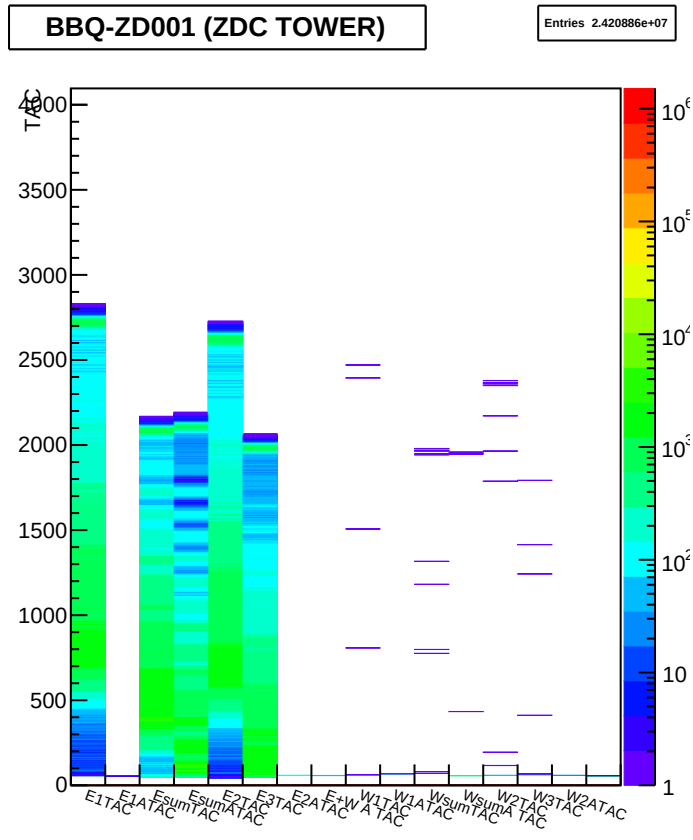

BBQ-BB001 (BBC east small tiles ADC)
Entries 2.420886e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

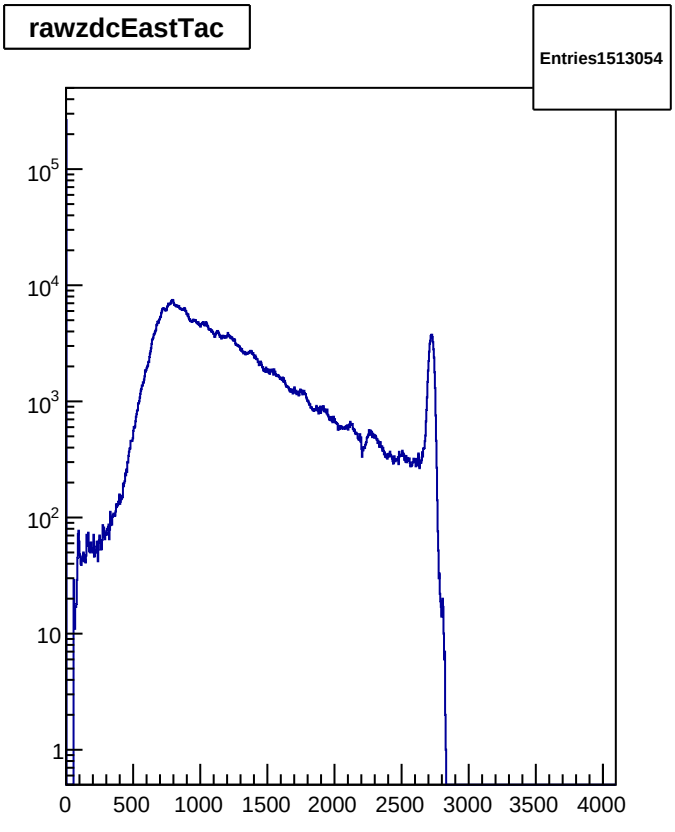

BBQ-BB001 (BBC east small tiles TAC)
Entries 2.420886e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

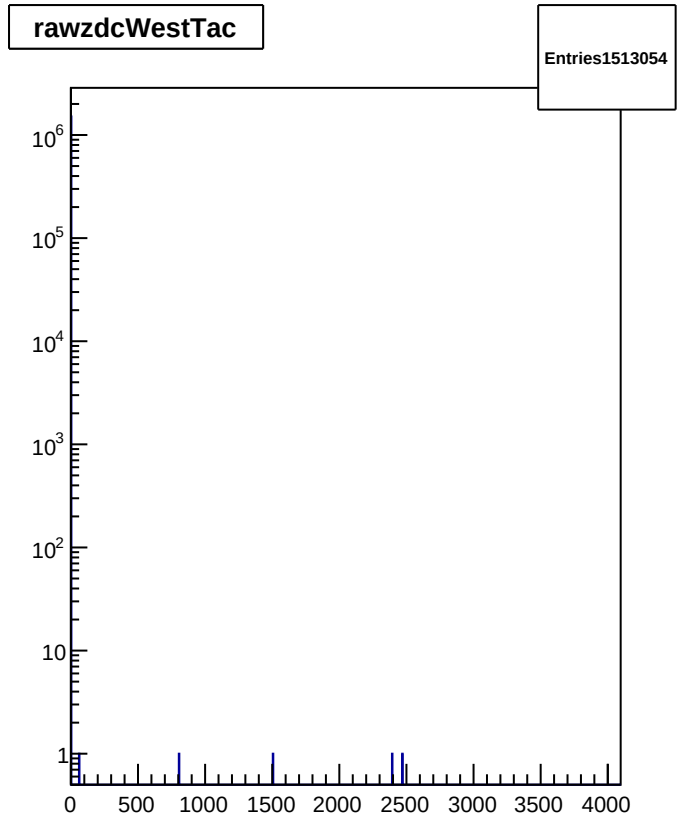

BBQ-BB002 (BBC west small tiles ADC)
Entries 2.420886e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

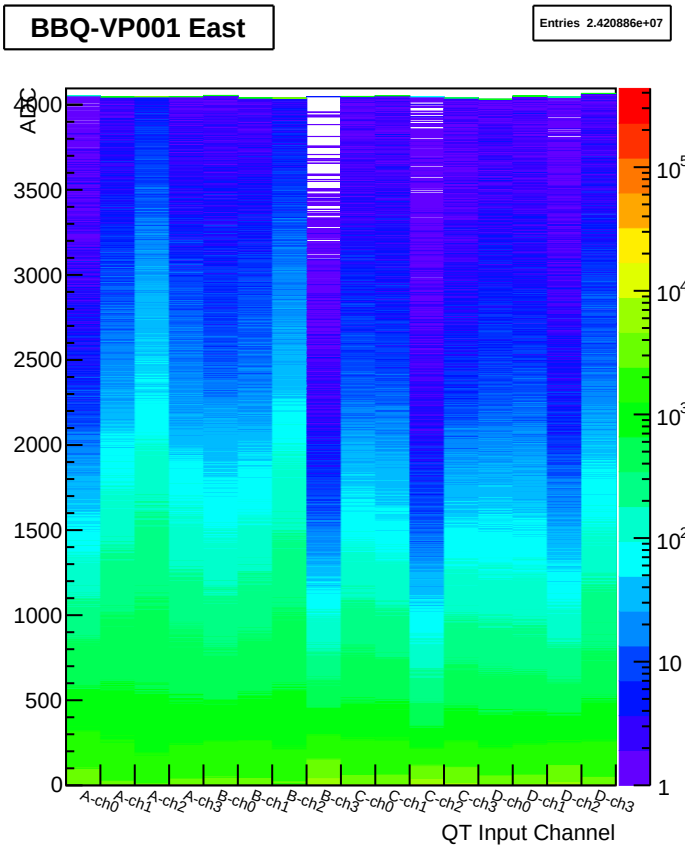

BBQ-BB002 (BBC west small tiles TAC)
Entries 2.420886e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

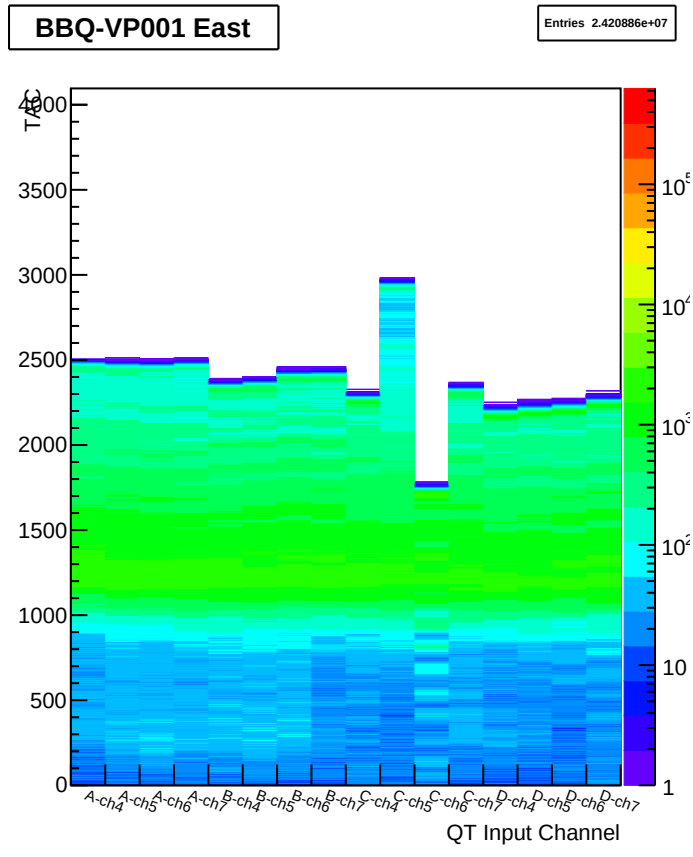

BBQ-ZD001 (ZDC TOWER)
Entries 2.420886e+07
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

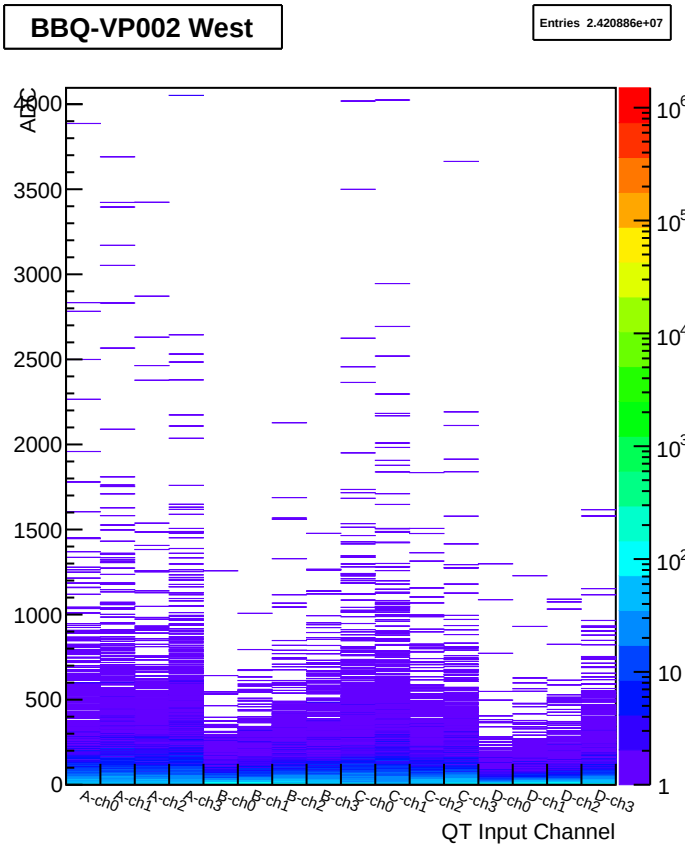

BBQ-ZD001 (ZDC TOWER)
Entries 2.420886e+07
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumATAC
W2TAC
W3TAC
W2ATAC

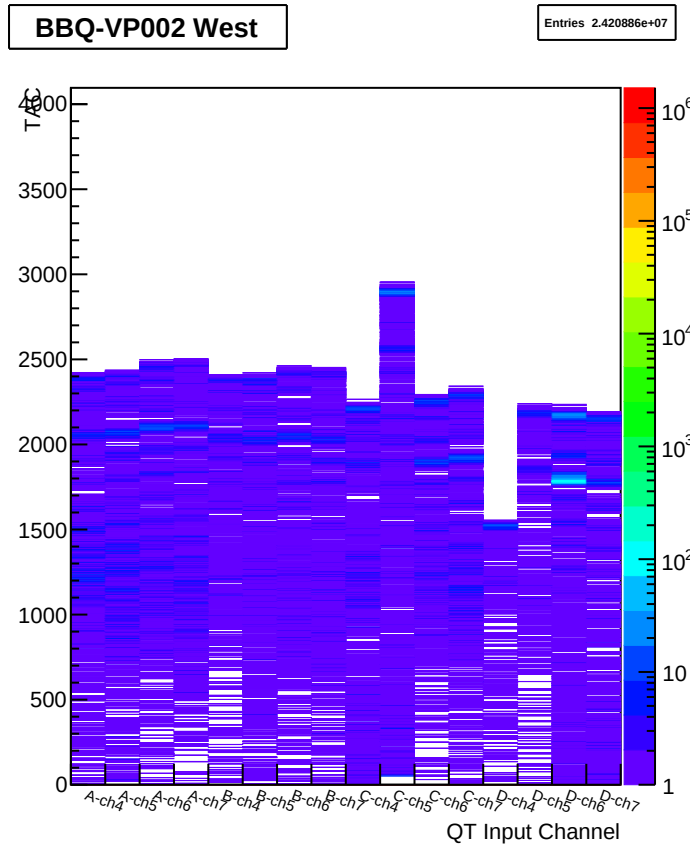

rawzdcEastTac
Entries1513054

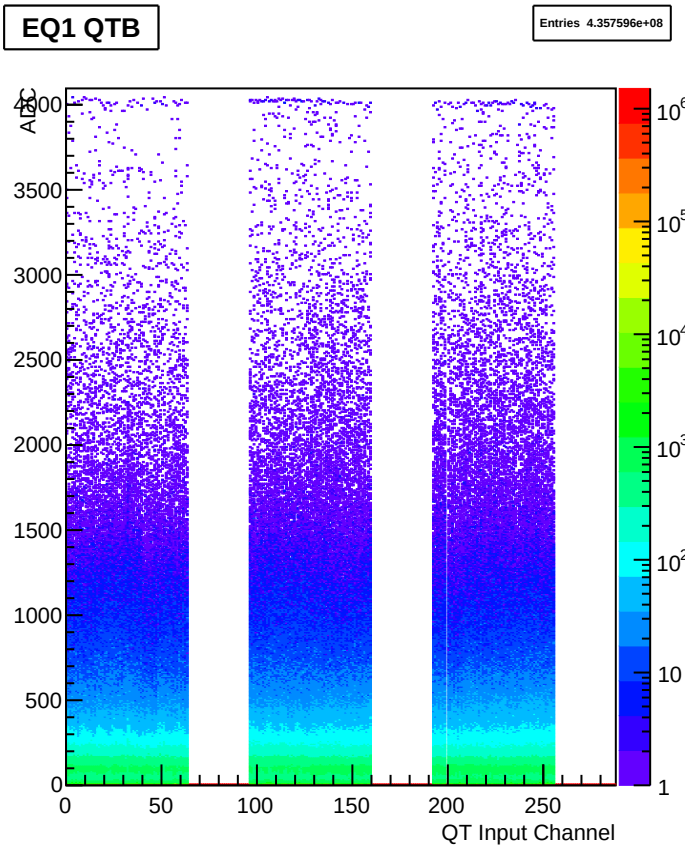

rawzdcWestTac
Entries1513054

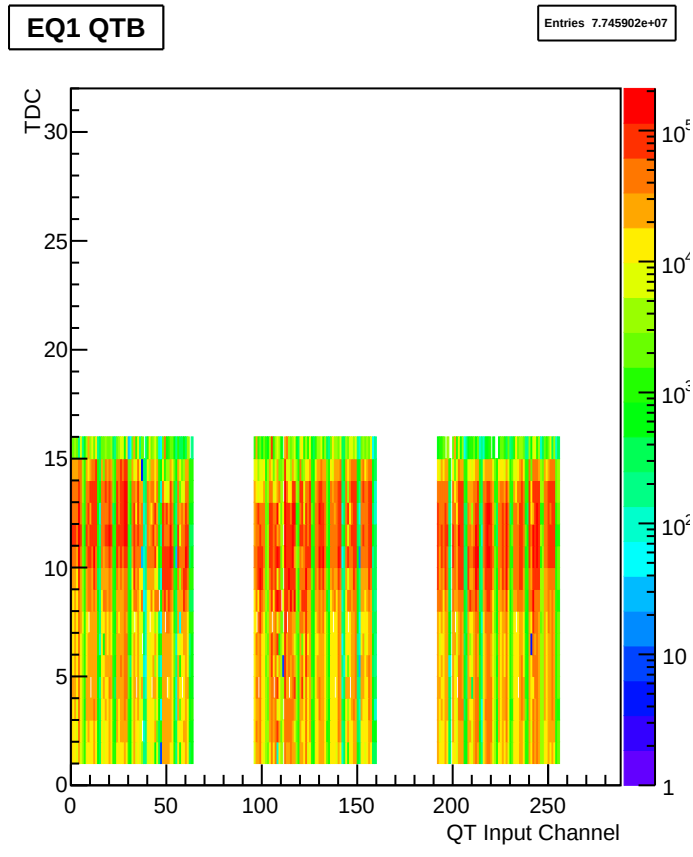

BBQ-VP001 East
Entries 2.420886e+07
ADC
QT Input Channel

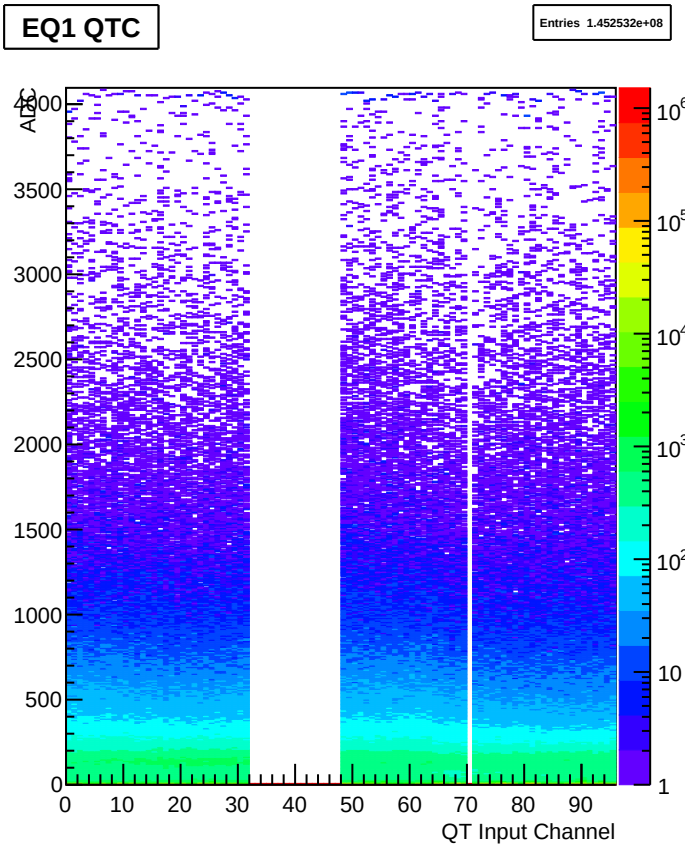

BBQ-VP001 East
Entries 2.420886e+07
TADC
QT Input Channel

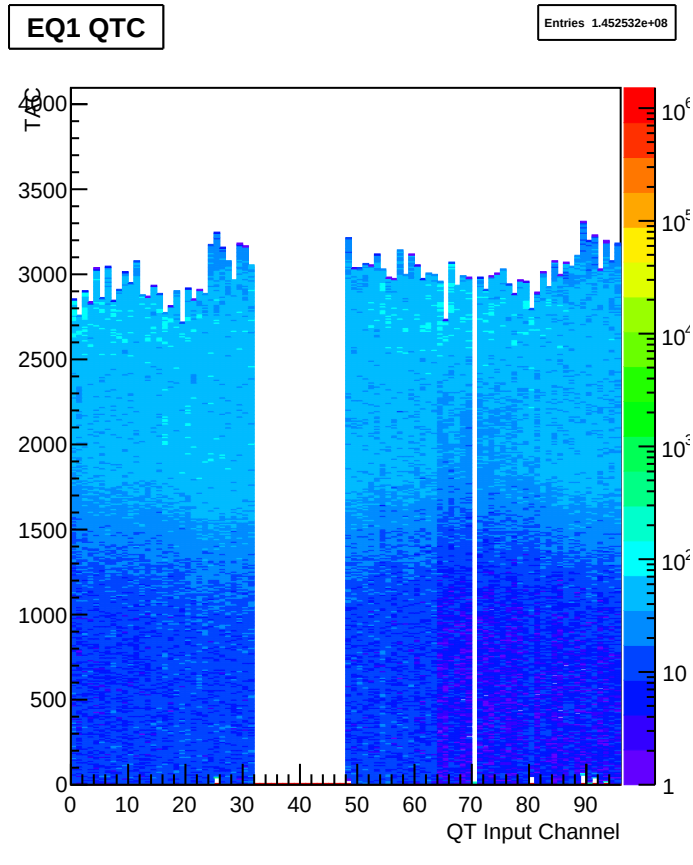

BBQ-VP002 West
Entries 2.420886e+07
ADC
QT Input Channel

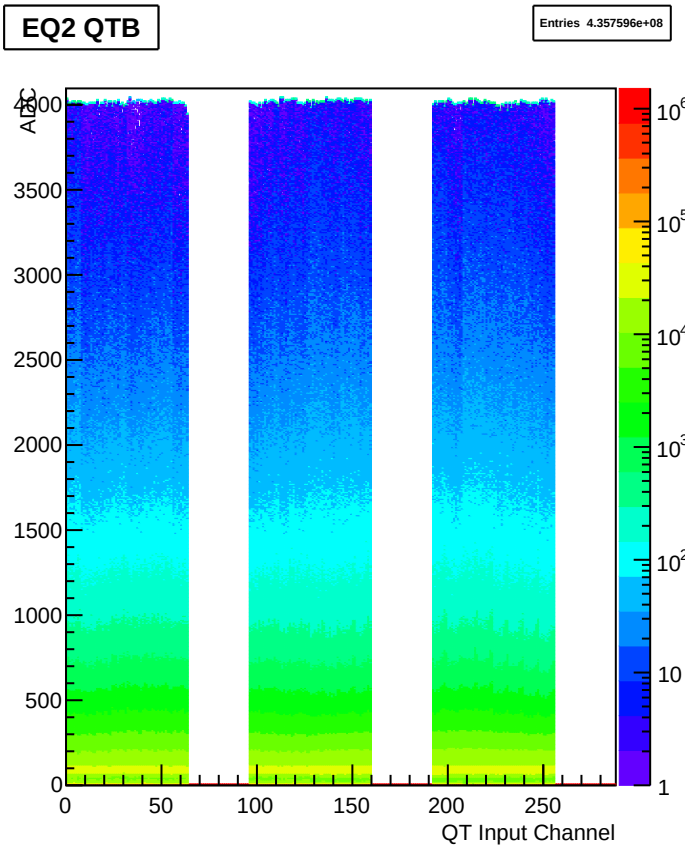

BBQ-VP002 West
Entries 2.420886e+07
TADC
QT Input Channel

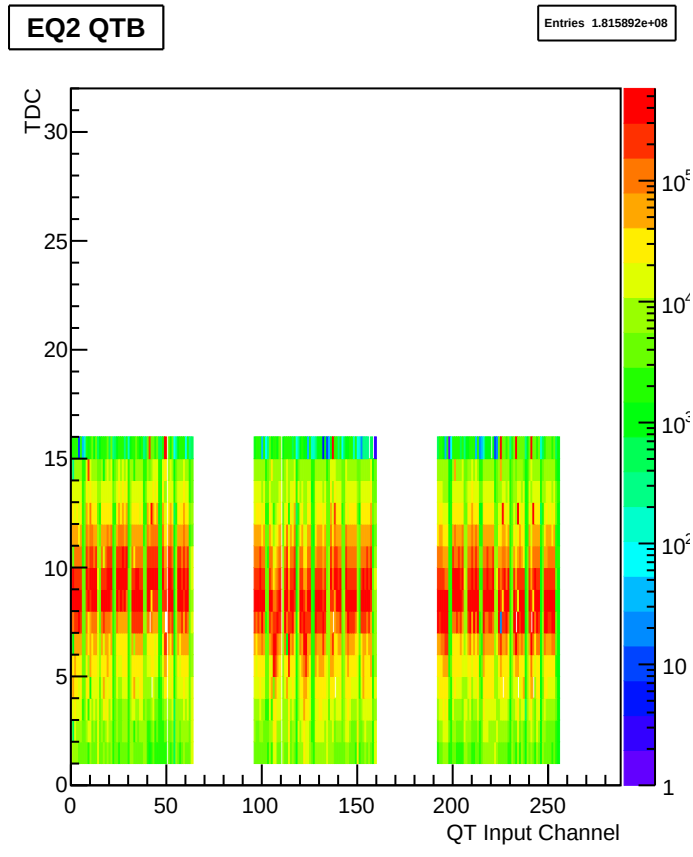

EQ1 QTB
Entries 4.357596e+08
ADC
QT Input Channel

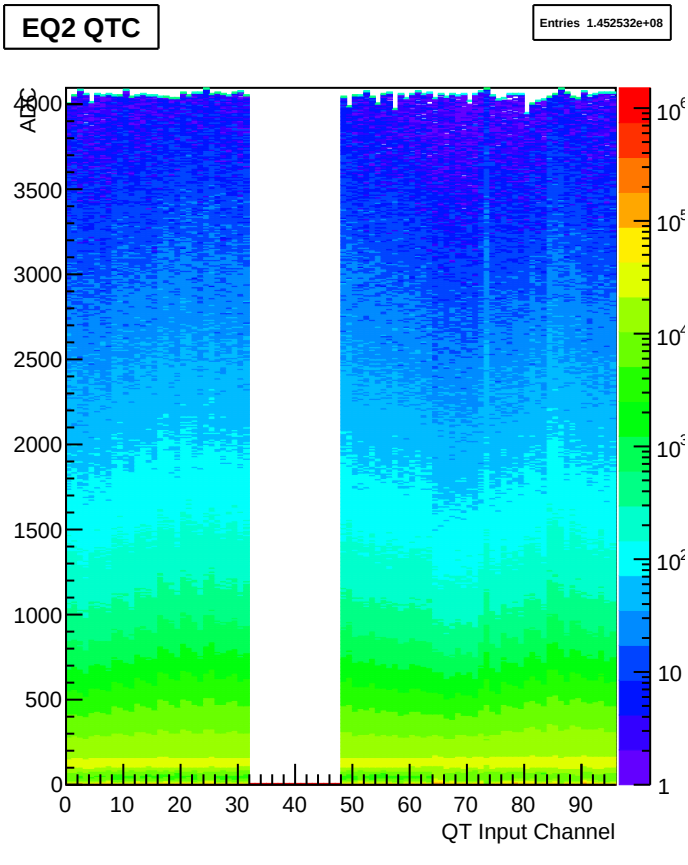

EQ1 QTB
Entries 7.745902e+07
TDC
QT Input Channel

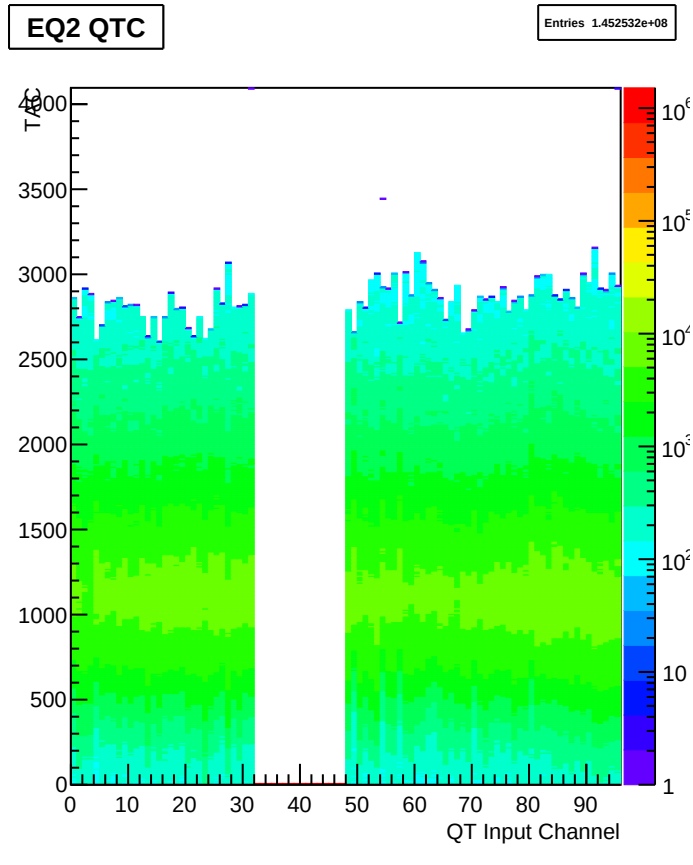

EQ1 QTC
Entries 1.452532e+08
ADC
QT Input Channel

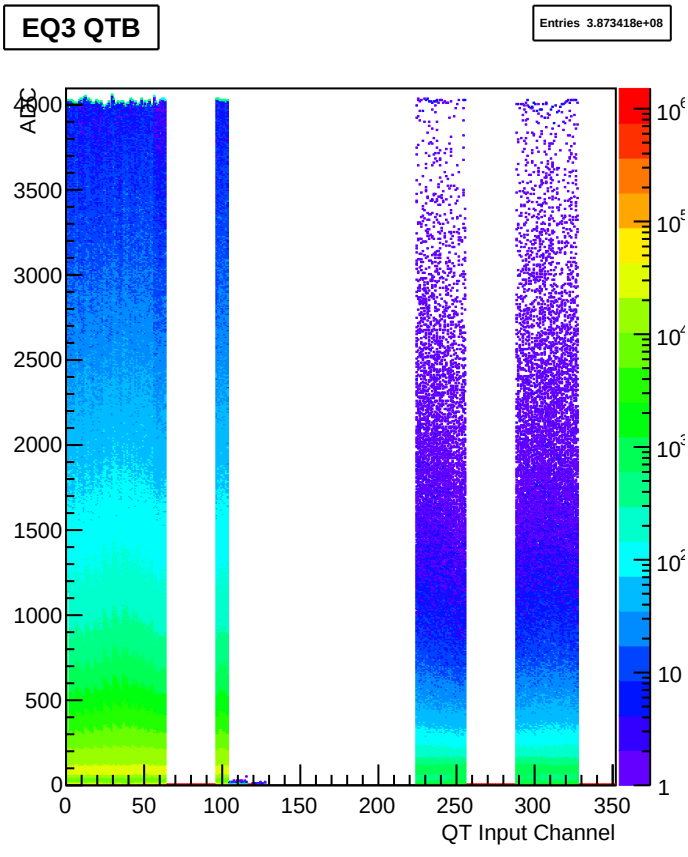

EQ1 QTC
Entries 1.452532e+08
TADC
QT Input Channel

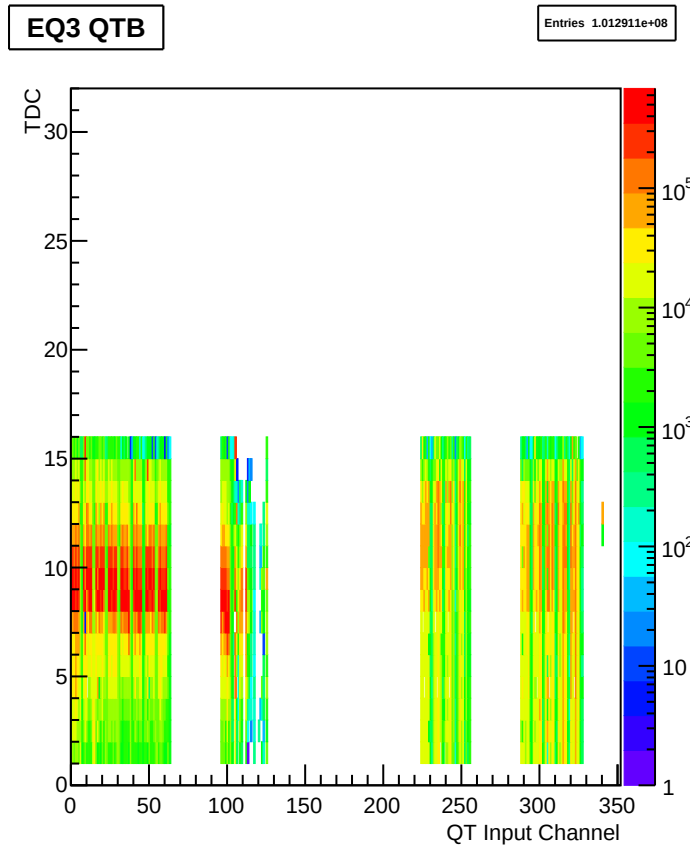

EQ2 QTB
Entries 4.357596e+08
ADC
QT Input Channel

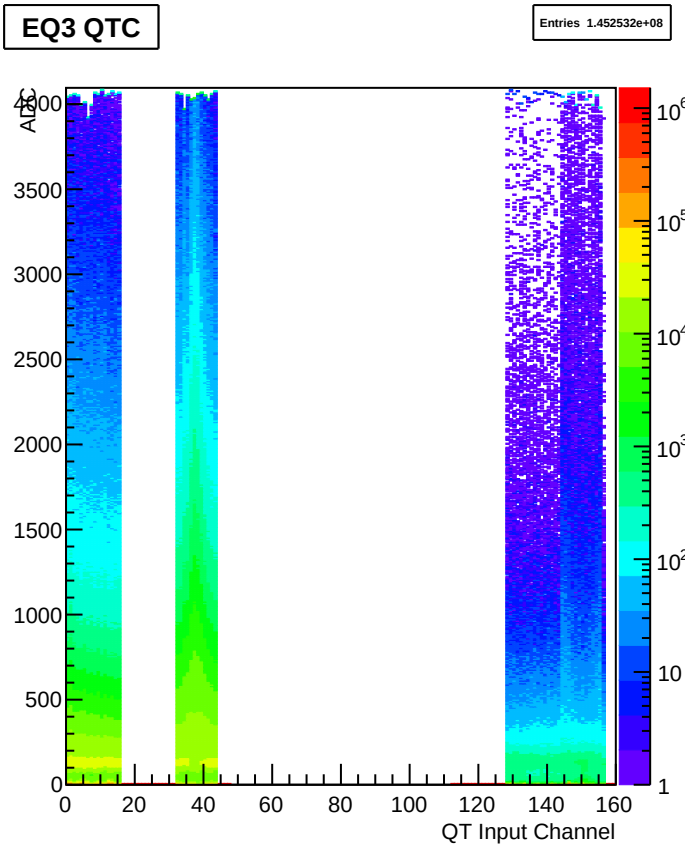

EQ2 QTB
Entries 1.815892e+08
TDC
QT Input Channel

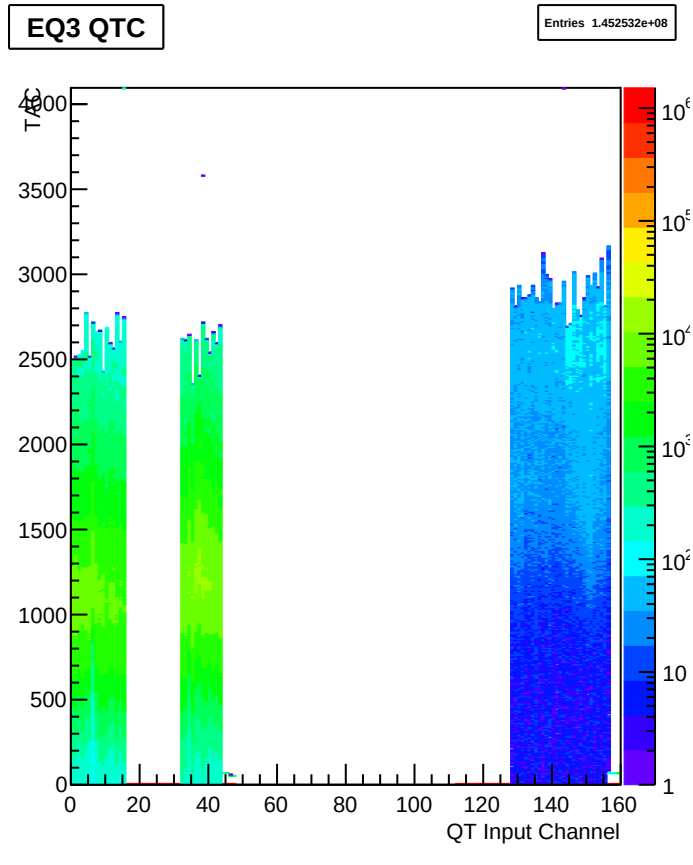

EQ2 QTC
Entries 1.452532e+08
ADC
QT Input Channel

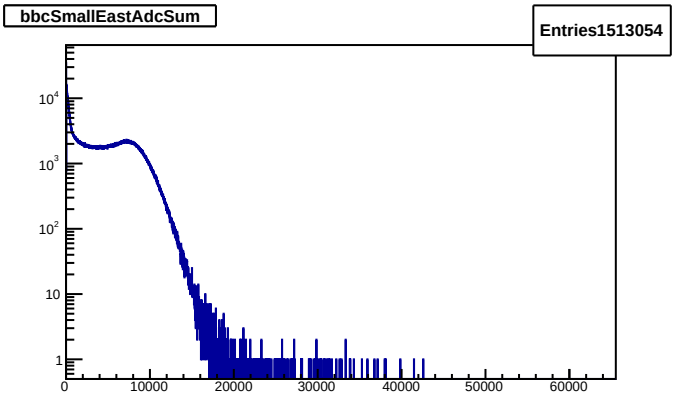

EQ2 QTC
Entries 1.452532e+08
TADC
QT Input Channel

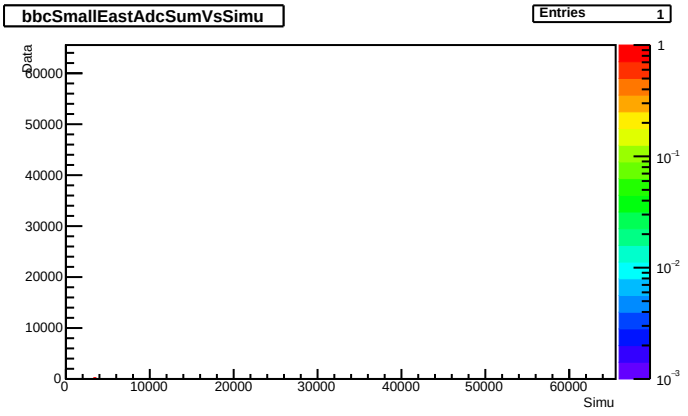

EQ3 QTB
Entries 3.873418e+08
ADC
QT Input Channel

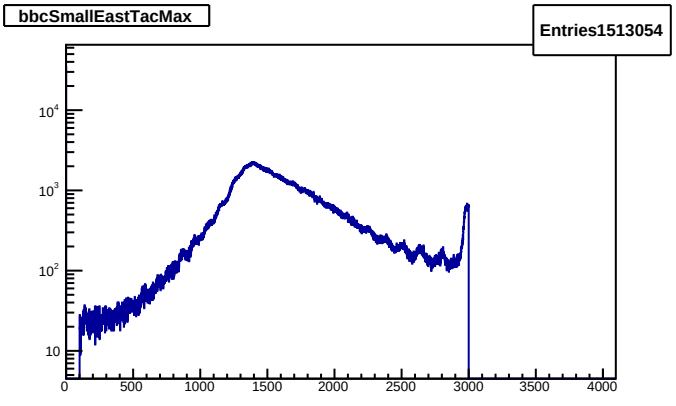

EQ3 QTB
Entries 1.012911e+08
TDC
QT Input Channel

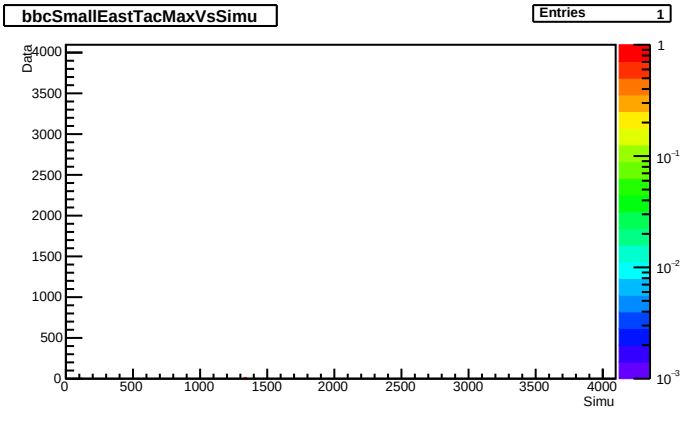

EQ3 QTC
Entries 1.452532e+08
ADC
QT Input Channel

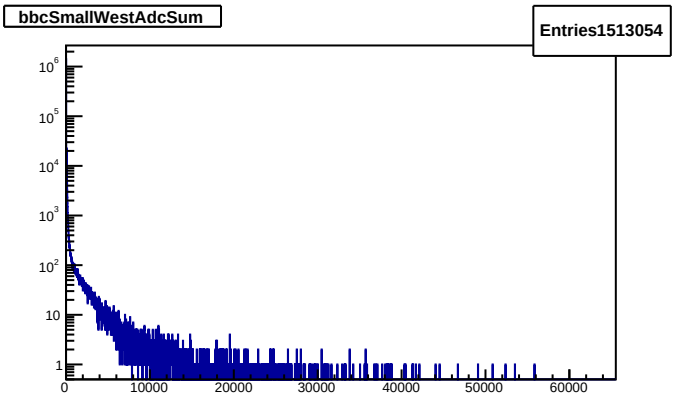

EQ3 QTC
Entries 1.452532e+08
TADC
QT Input Channel

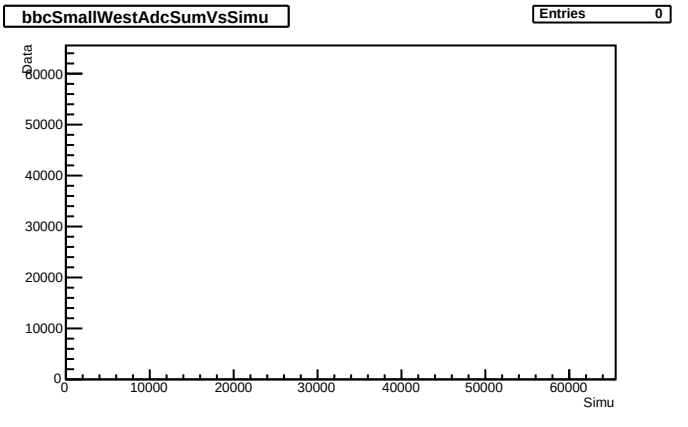

bbcSmallEastAdcSum
Entries1513054


bbcSmallEastAdcSumVsSimu
Entries 1
Data
Simu


bbcSmallEastTacMax
Entries1513054


bbcSmallEastTacMaxVsSimu
Entries 1
Data
Simu


bbcSmallWestAdcSum
Entries1513054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Entries 0
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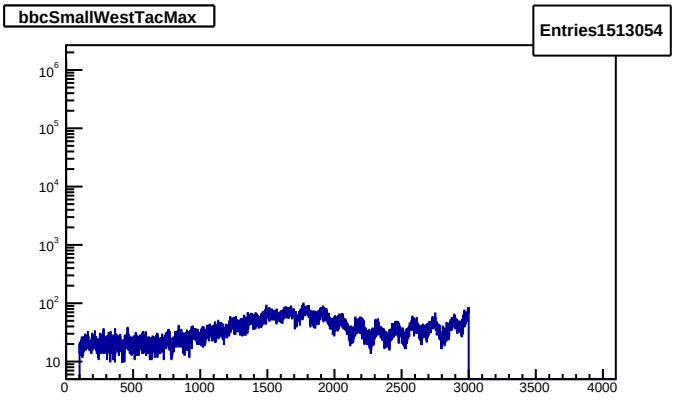
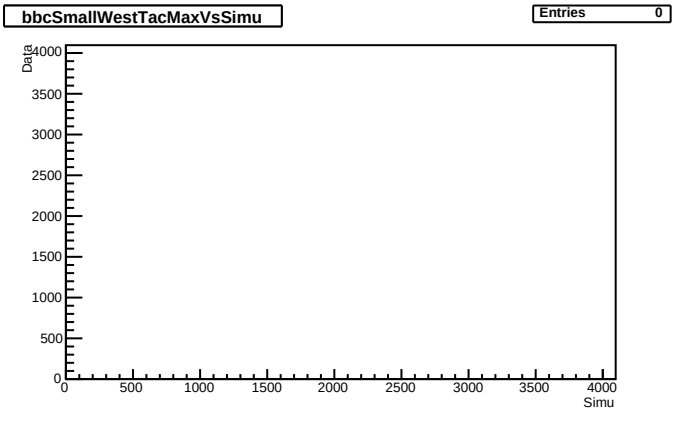
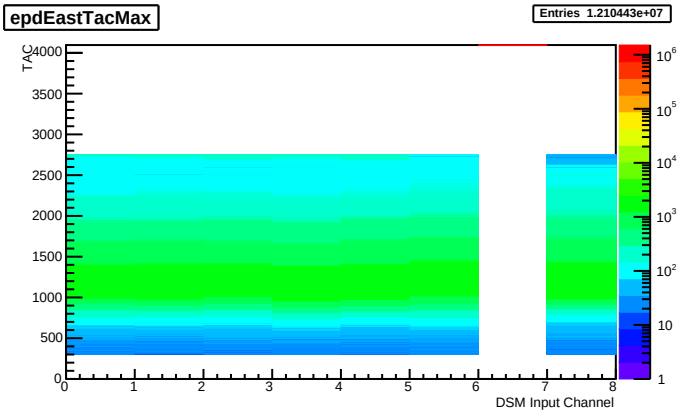
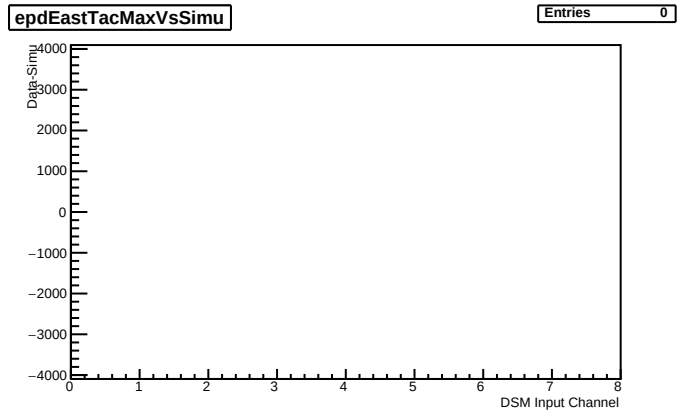
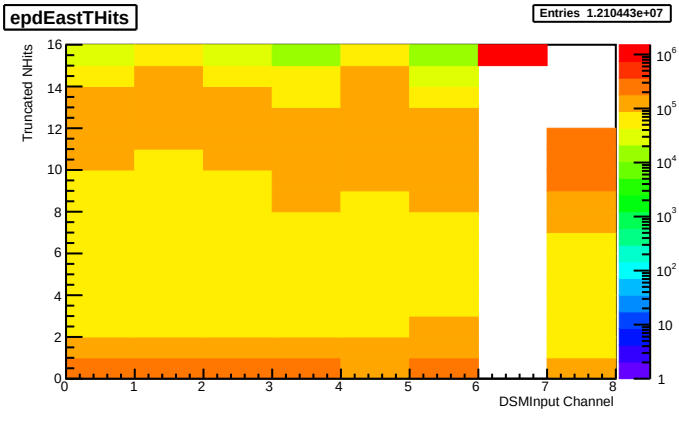
Simu

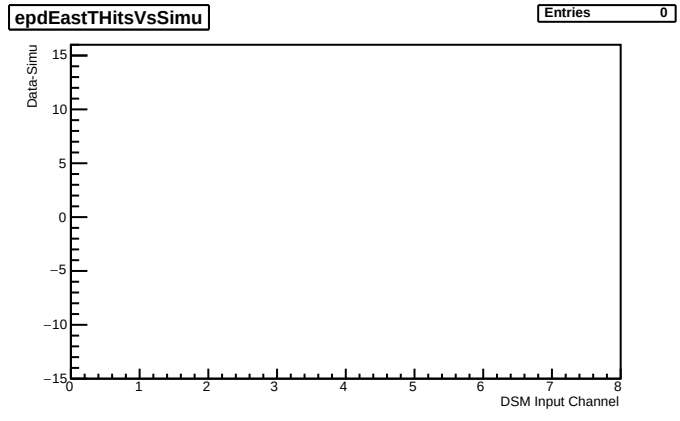

bbcSmallWestTacMax
Entries1513054


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 1.210443e+07
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 1.210443e+07
Truncated NHits
DSMInput Channel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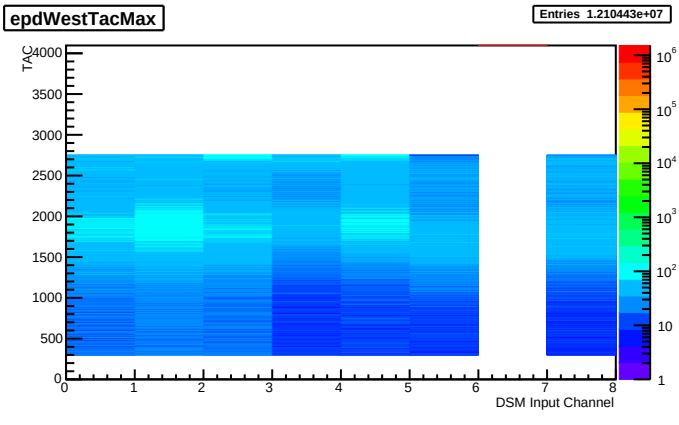
Entries 0
Data-Simu
DSM Input Channel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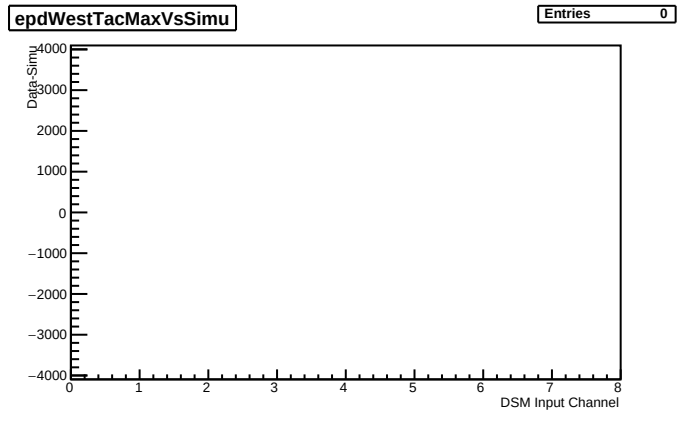
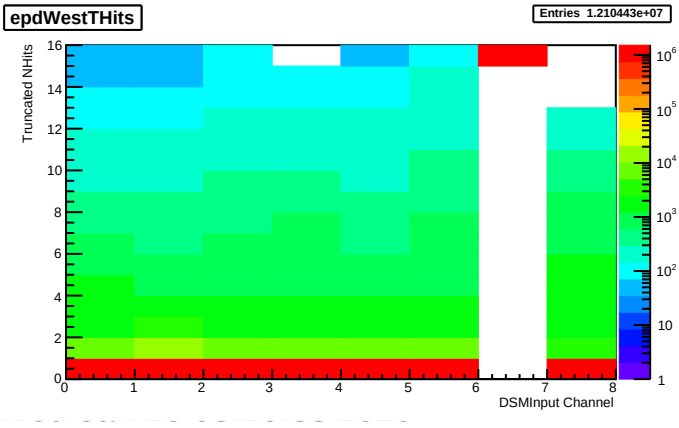
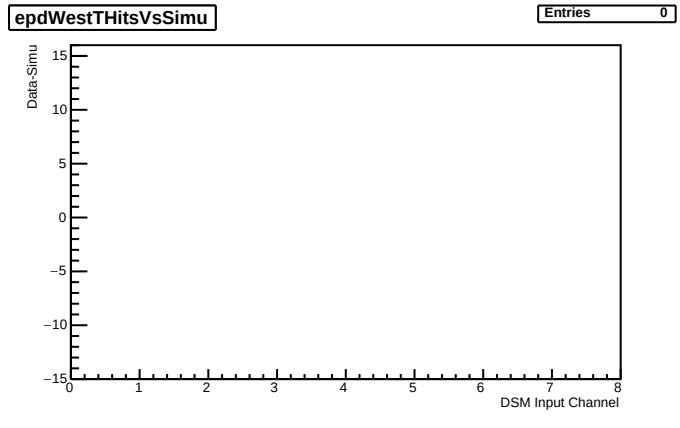
Entries 1.210443e+07
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 1.210443e+07
Truncated NHits
DSMInput Channel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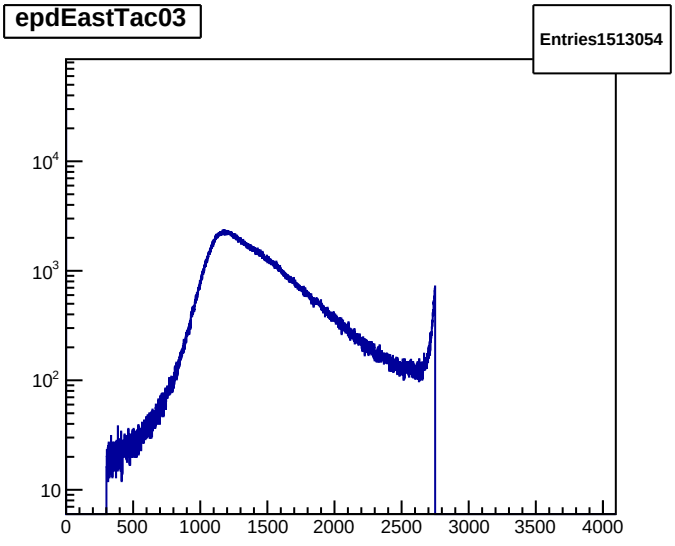
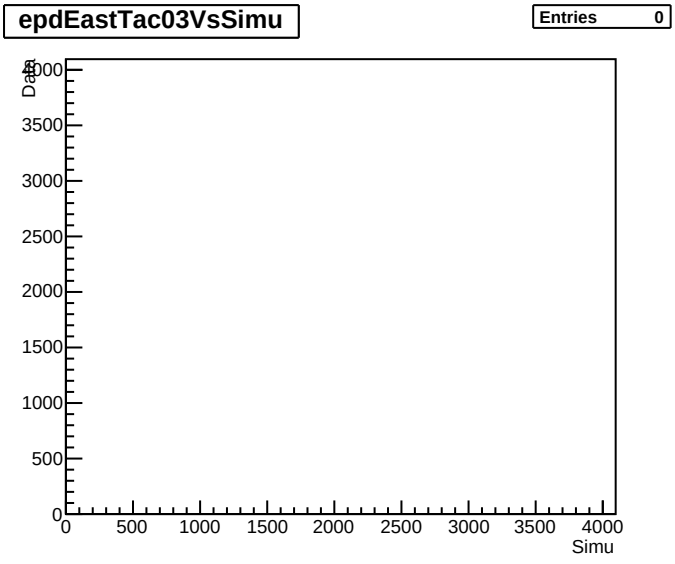
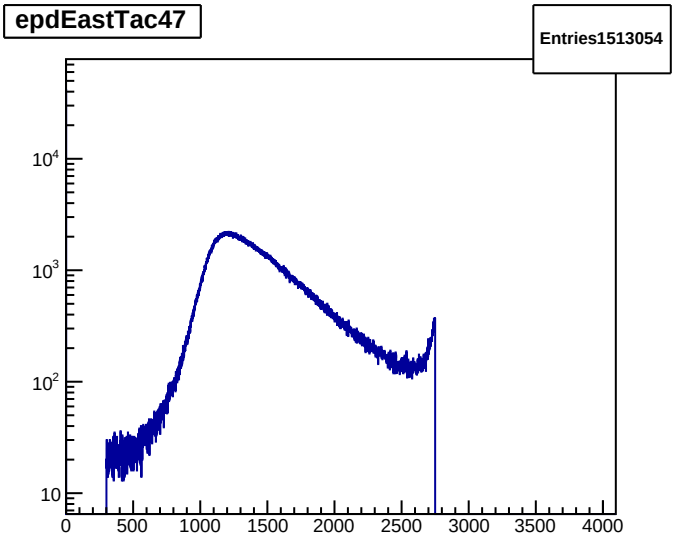
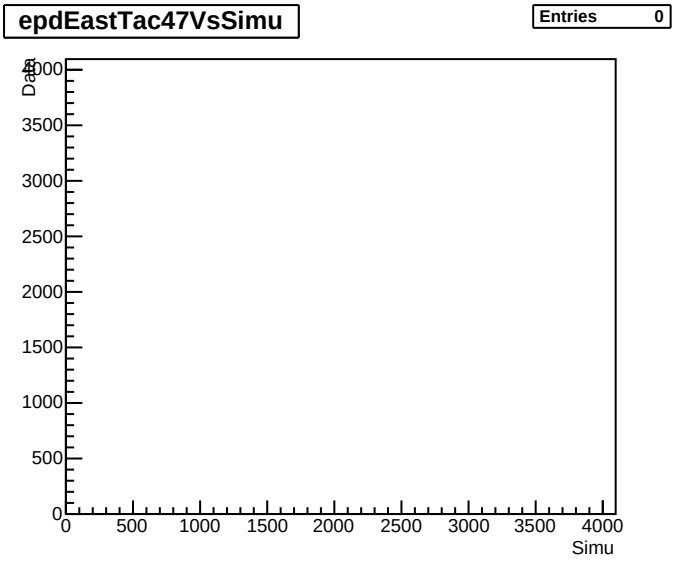
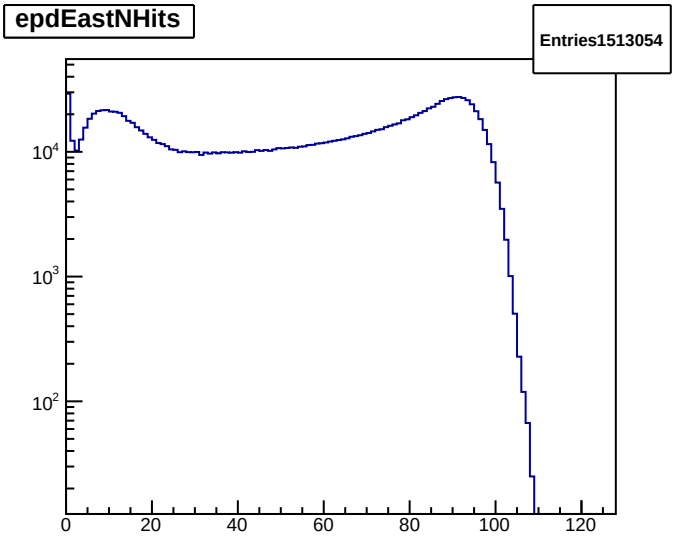
Data-Simu
DSM Input Channel

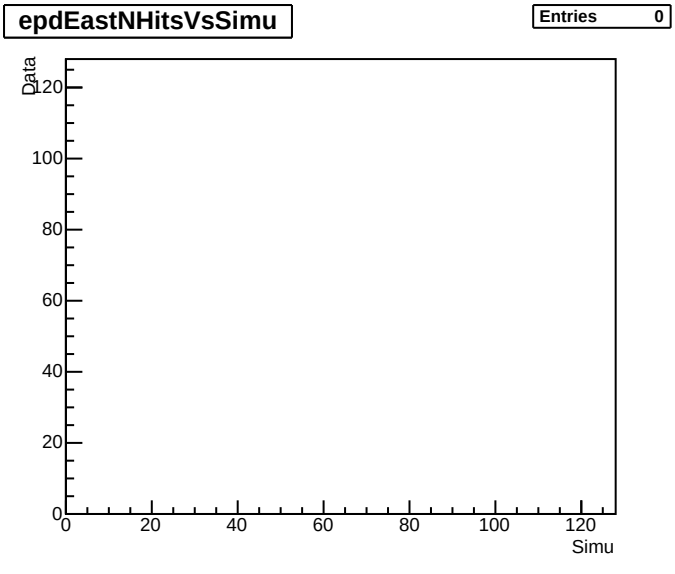

epdEastTac03
Entries1513054

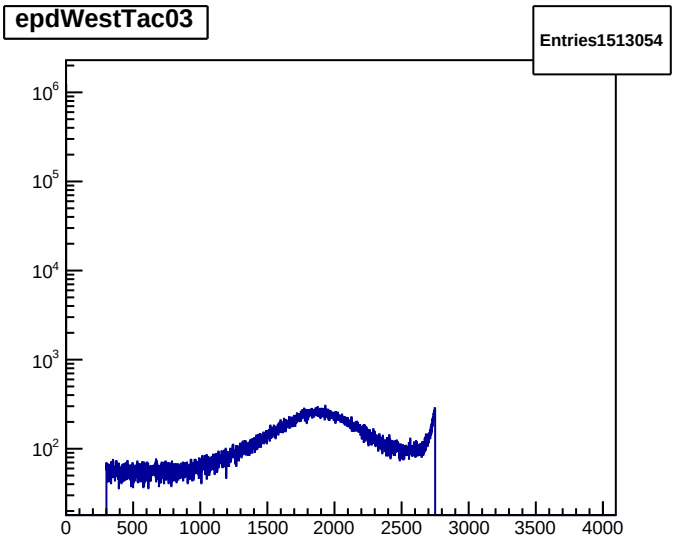

epdEastTac03VsSimu
Entries 0
Data
Simu

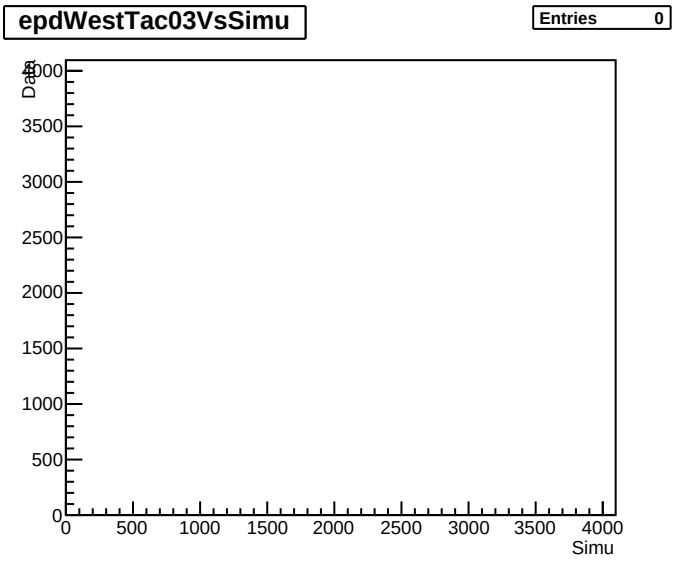

epdEastTac47
Entries1513054


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries1513054


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries1513054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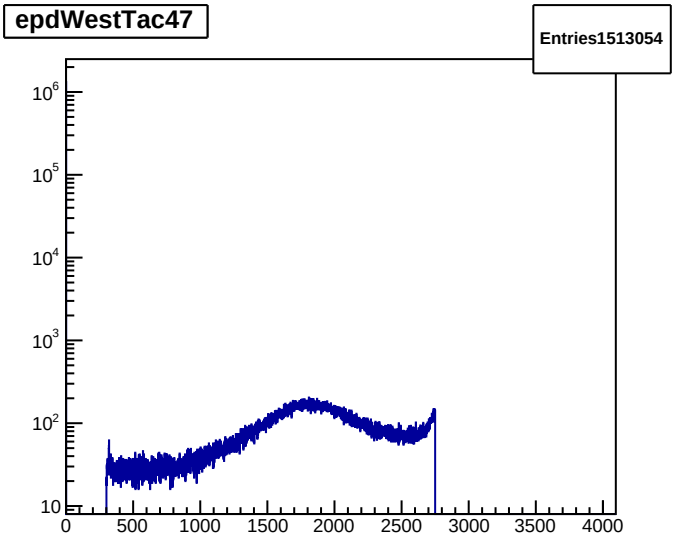
Entries 0
Data
Simu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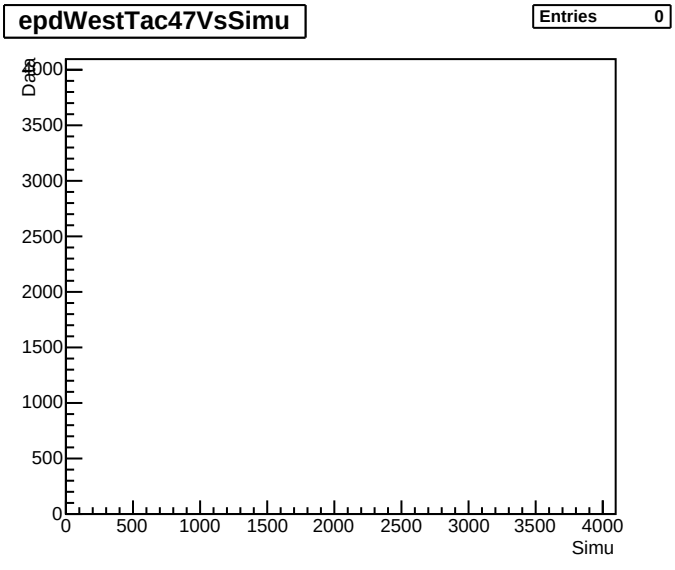
Entries1513054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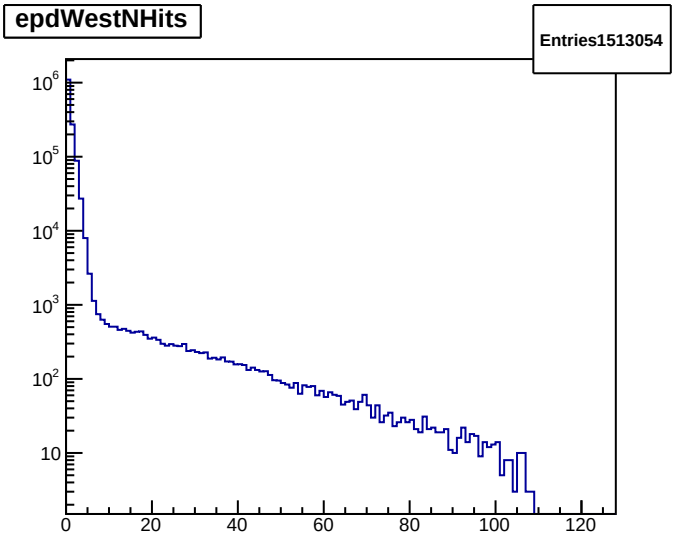
Entries 0
Data
Simu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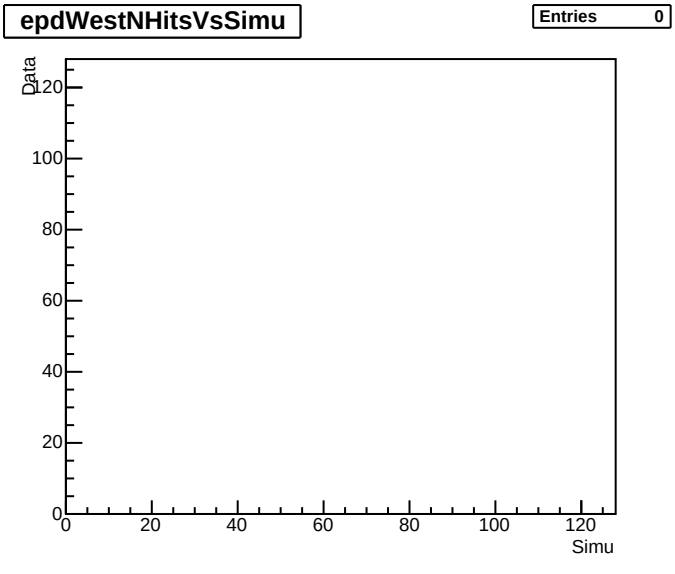
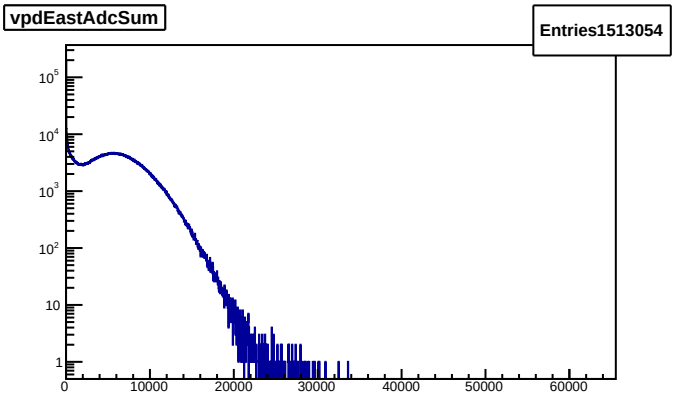
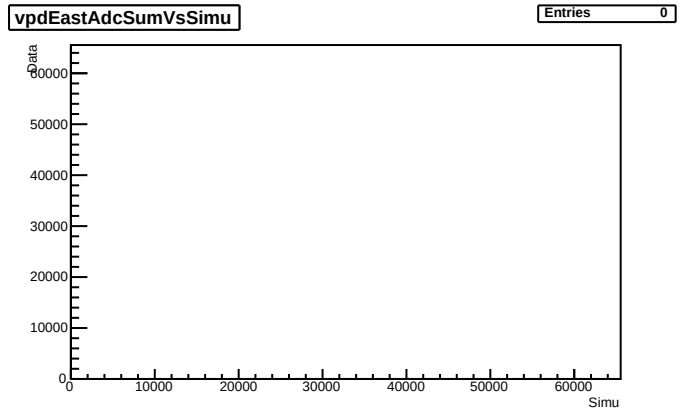
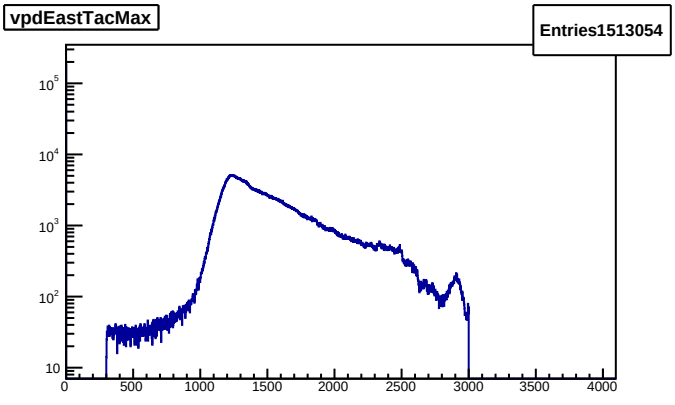
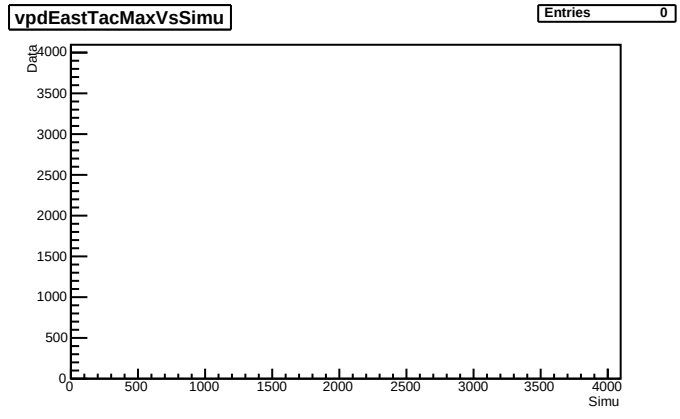
Entries1513054

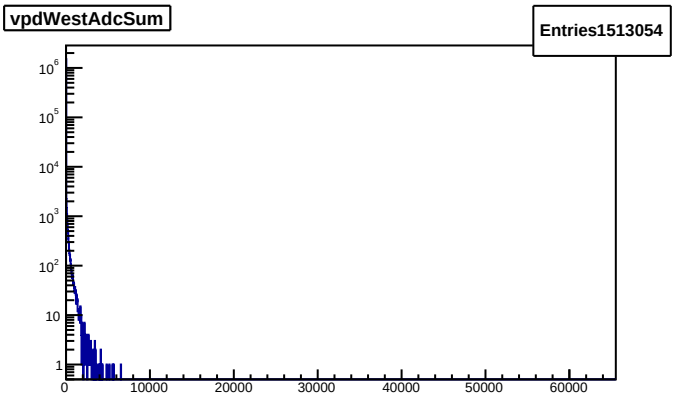

epdWestNHitsVsSimu
Entries 0
Data
Simu

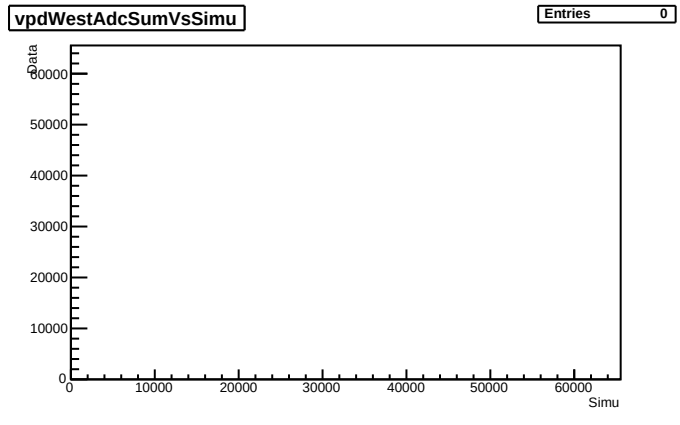

vpdEastAdcSum
Entries1513054

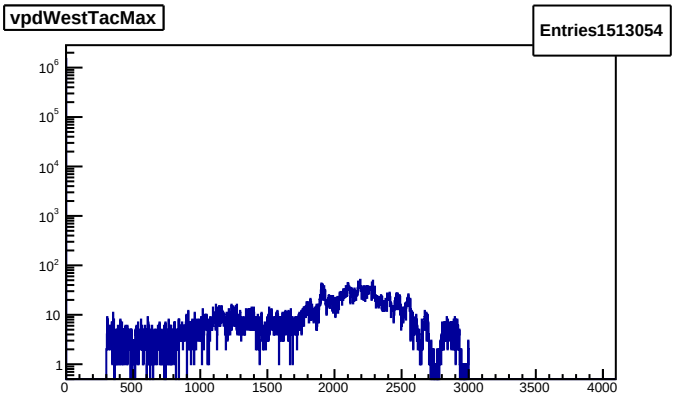

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

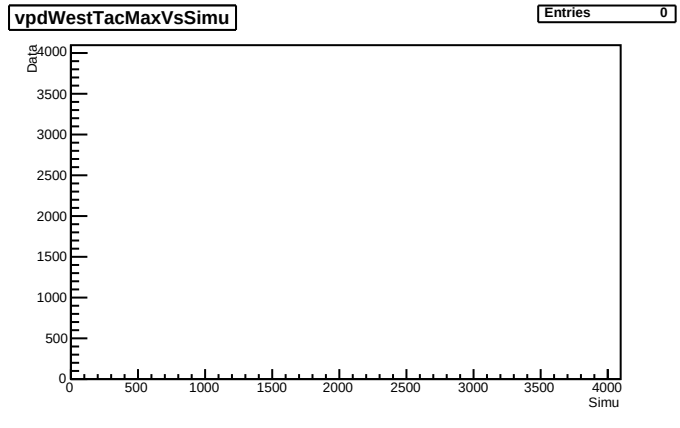

vpdEastTacMax
Entries1513054

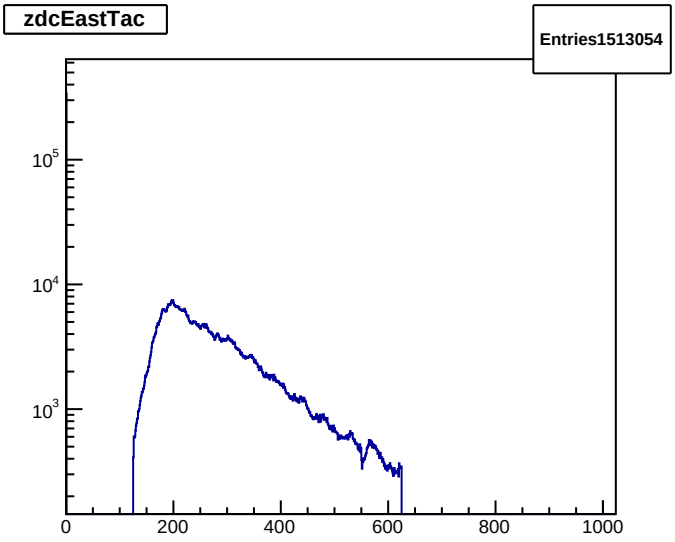

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

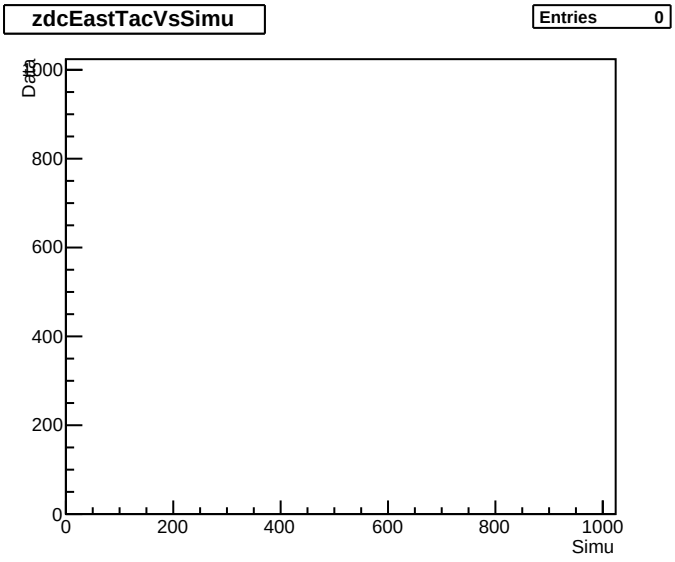

vpdWestAdcSum
Entries1513054

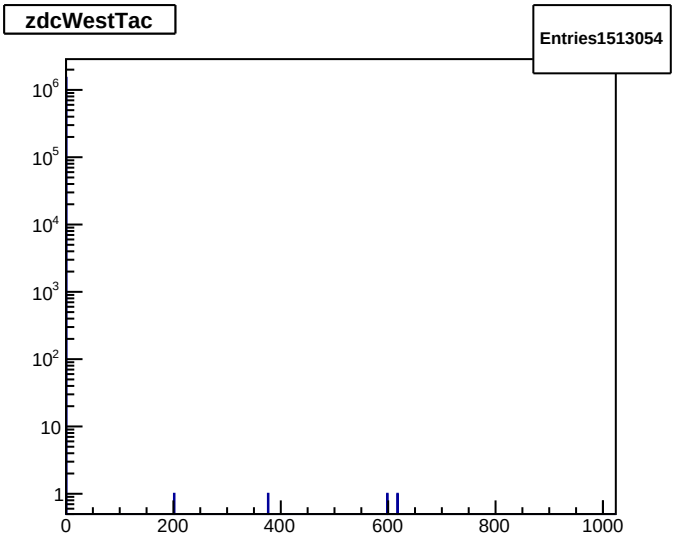

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

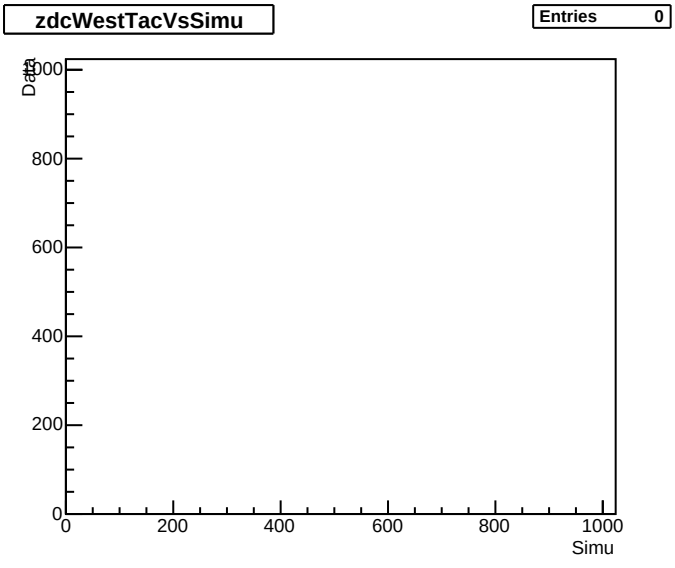

vpdWestTacMax
Entries1513054

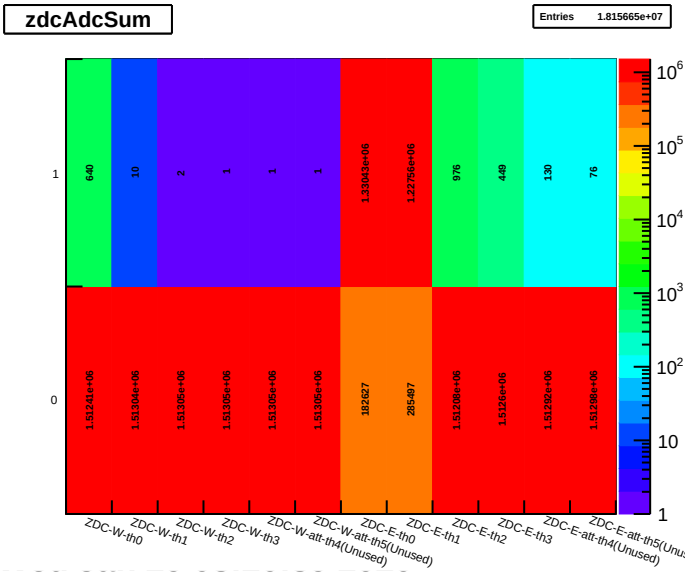

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

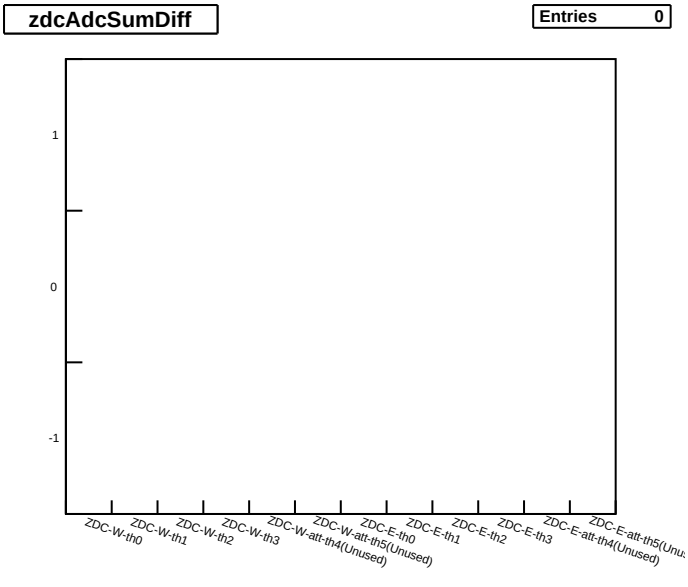

zdcEastTac
Entries1513054
$10^5$
$10^4$
$10^3$
0
200
400
600
800
1000

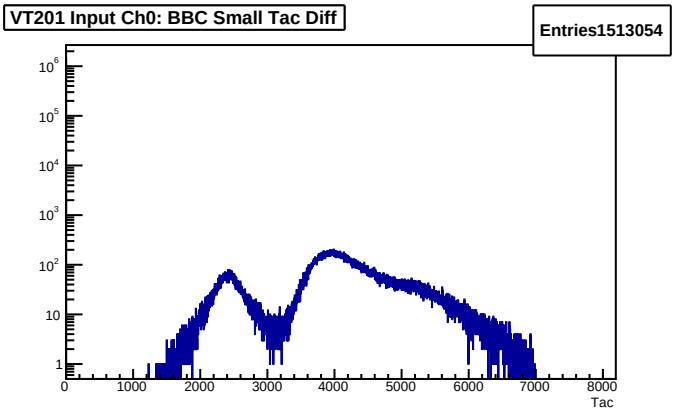

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

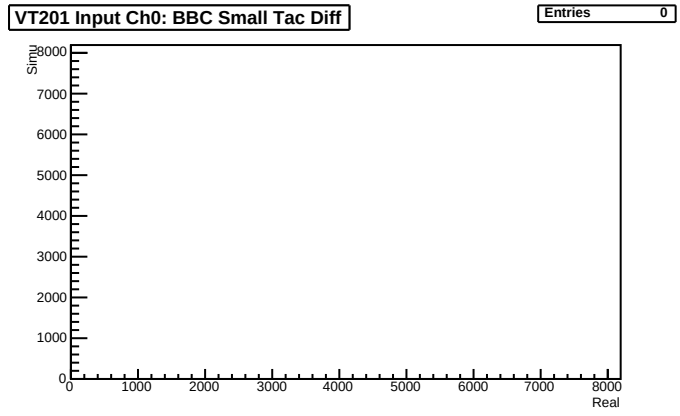

zdcWestTac
Entries1513054
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

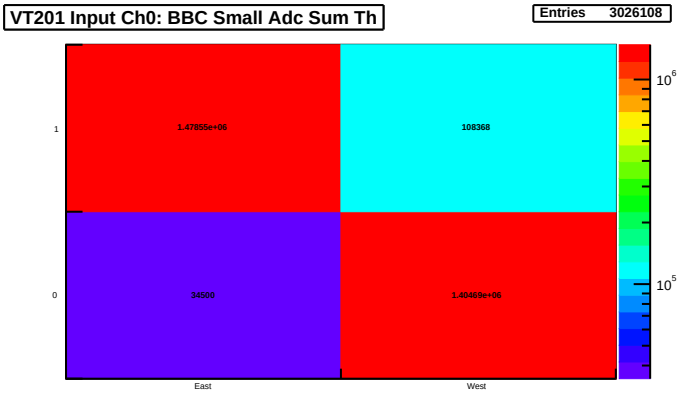

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

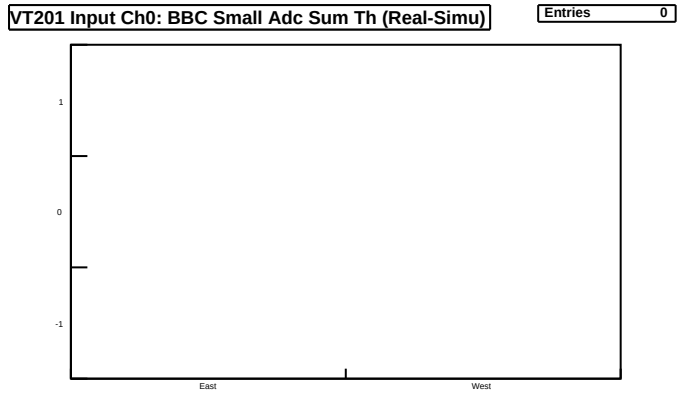

zdcAdcSum
Entries 1.815665e+07
1
0
640
10
2
1
1
1
1.33043e+06
1.22756e+06
976
449
130
76
1.5124e+06
1.51304e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
182627
285497
1.51208e+06
1.51226e+06
1.51292e+06
1.51298e+06
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
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)
ZDC-E-att-th5(Unu

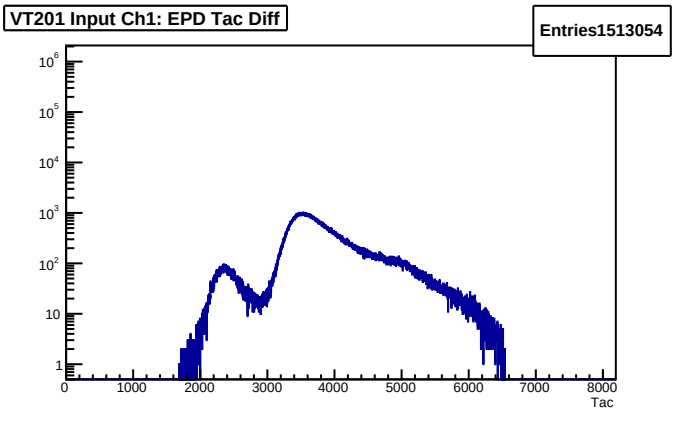

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

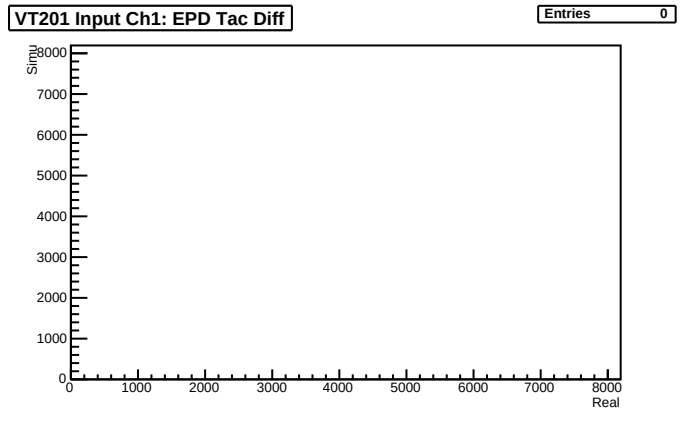

VT201 Input Ch0: BBC Small Tac Diff
Entries1513054
Tac

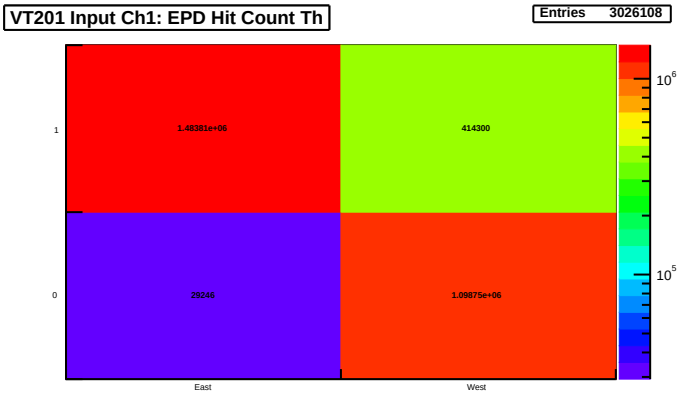

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

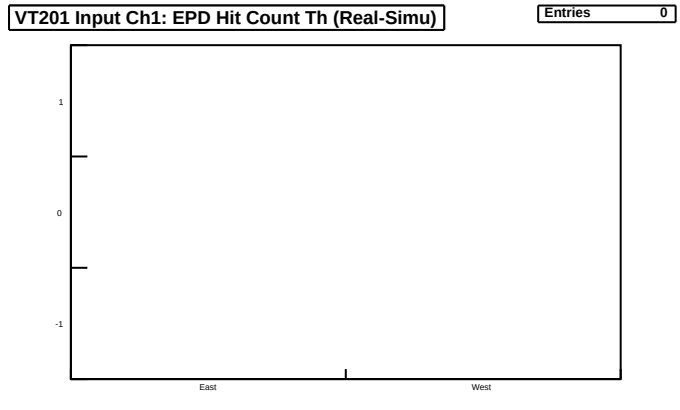

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 3026108
1.47855e+06
108368
34500
1.40469e+06
East
West

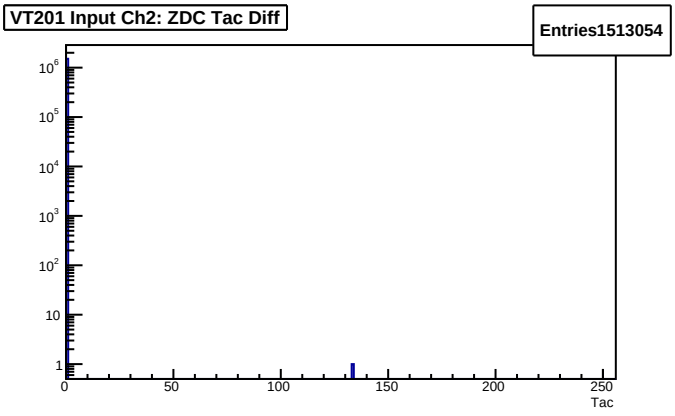

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

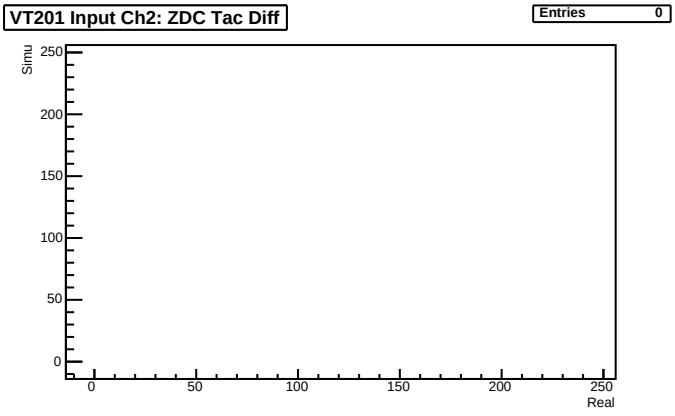

VT201 Input Ch1: EPD Tac Diff
Entries1513054
Tac

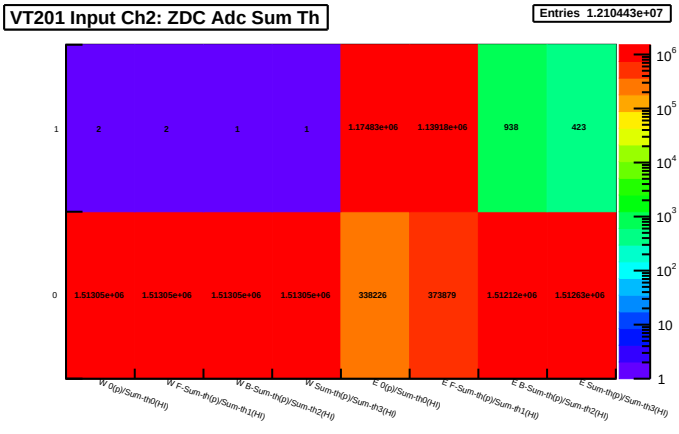

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

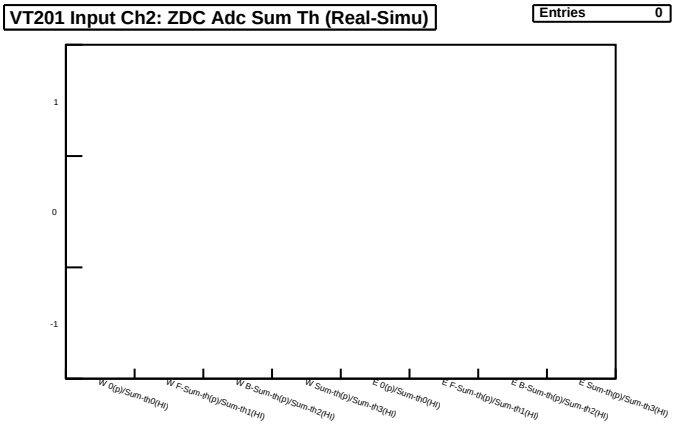

VT201 Input Ch1: EPD Hit Count Th
Entries 3026108
1.48381e+06
414300
29246
1.09875e+06
East
West

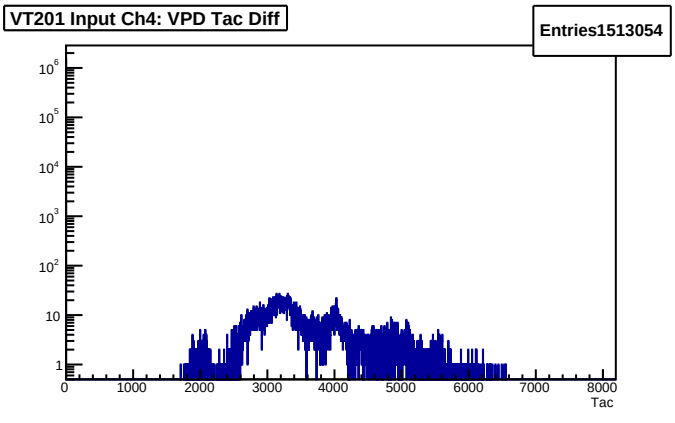

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

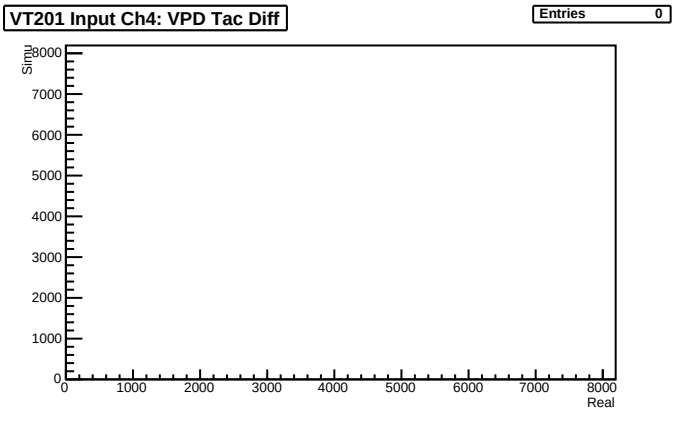

VT201 Input Ch2: ZDC Tac Diff
Entries1513054
Tac

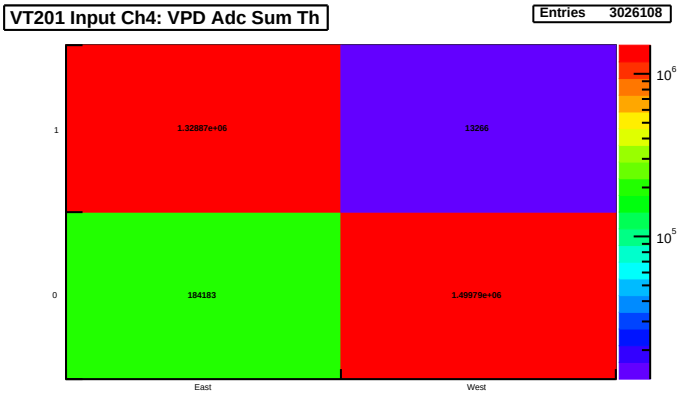

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

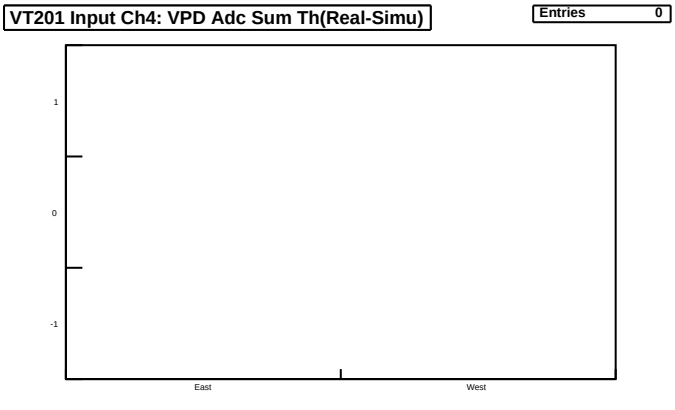

VT201 Input Ch2: ZDC Adc Sum Th
Entries 1.210443e+07
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

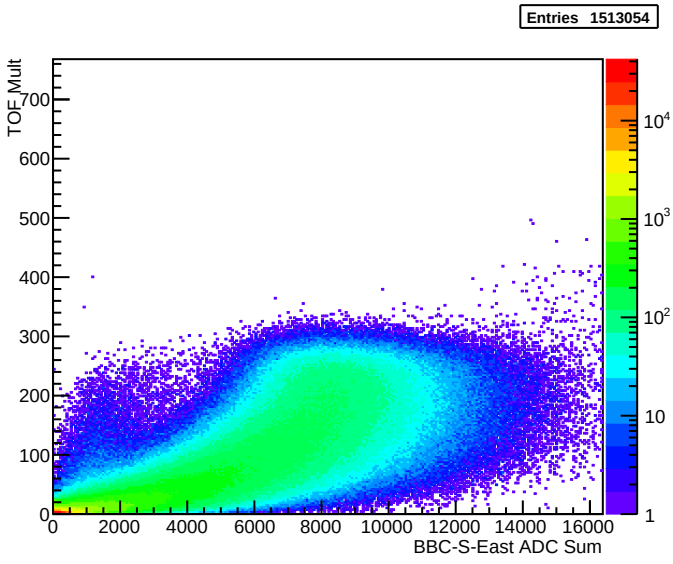

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

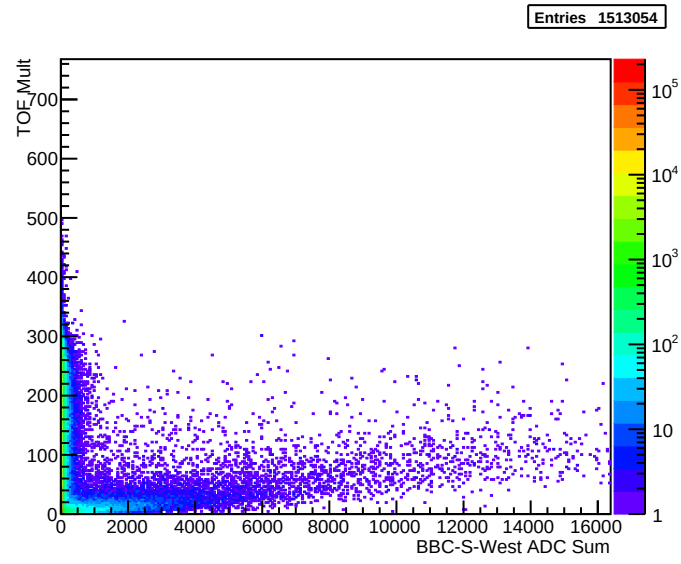

VT201 Input Ch4: VPD Tac Diff
Entries1513054
Tac

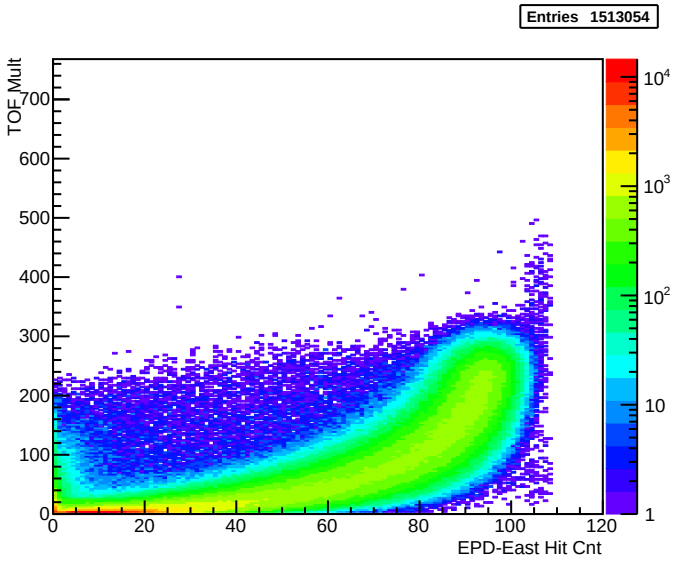

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

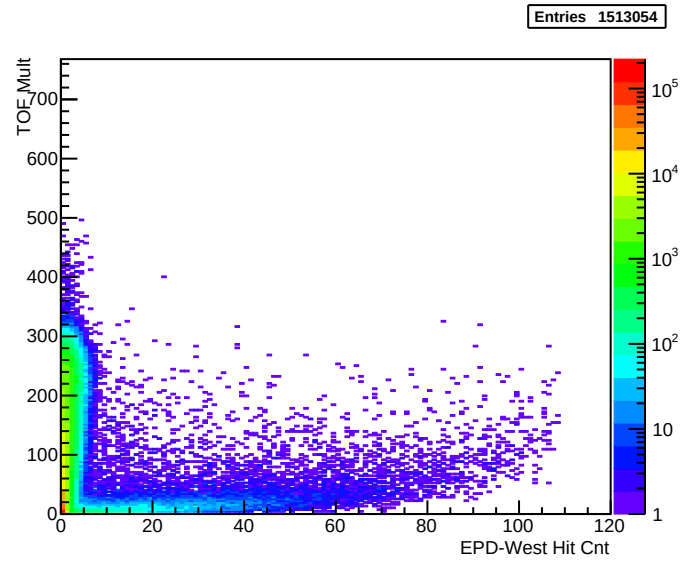

VT201 Input Ch4: VPD Adc Sum Th
Entries 3026108
East
West

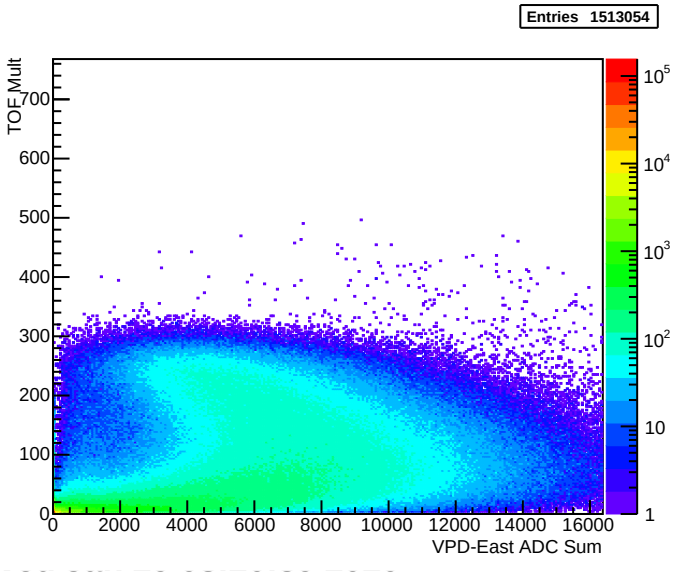

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

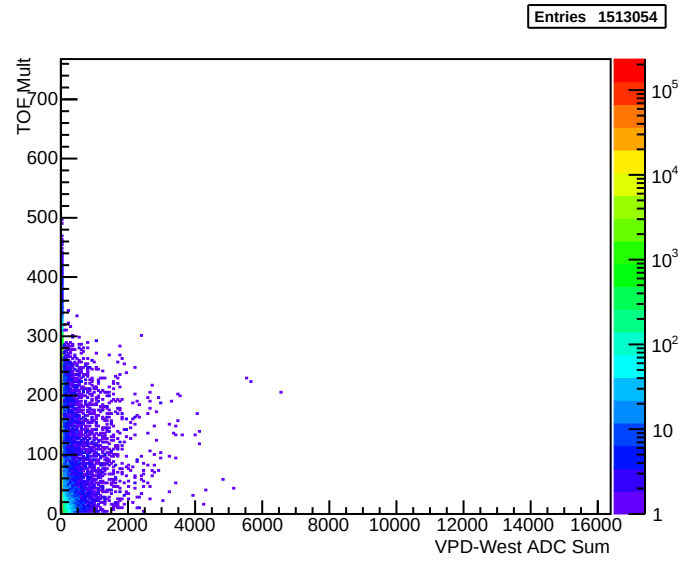

Entries 1513054
TOF_Mult
BBC-S-East ADC Sum

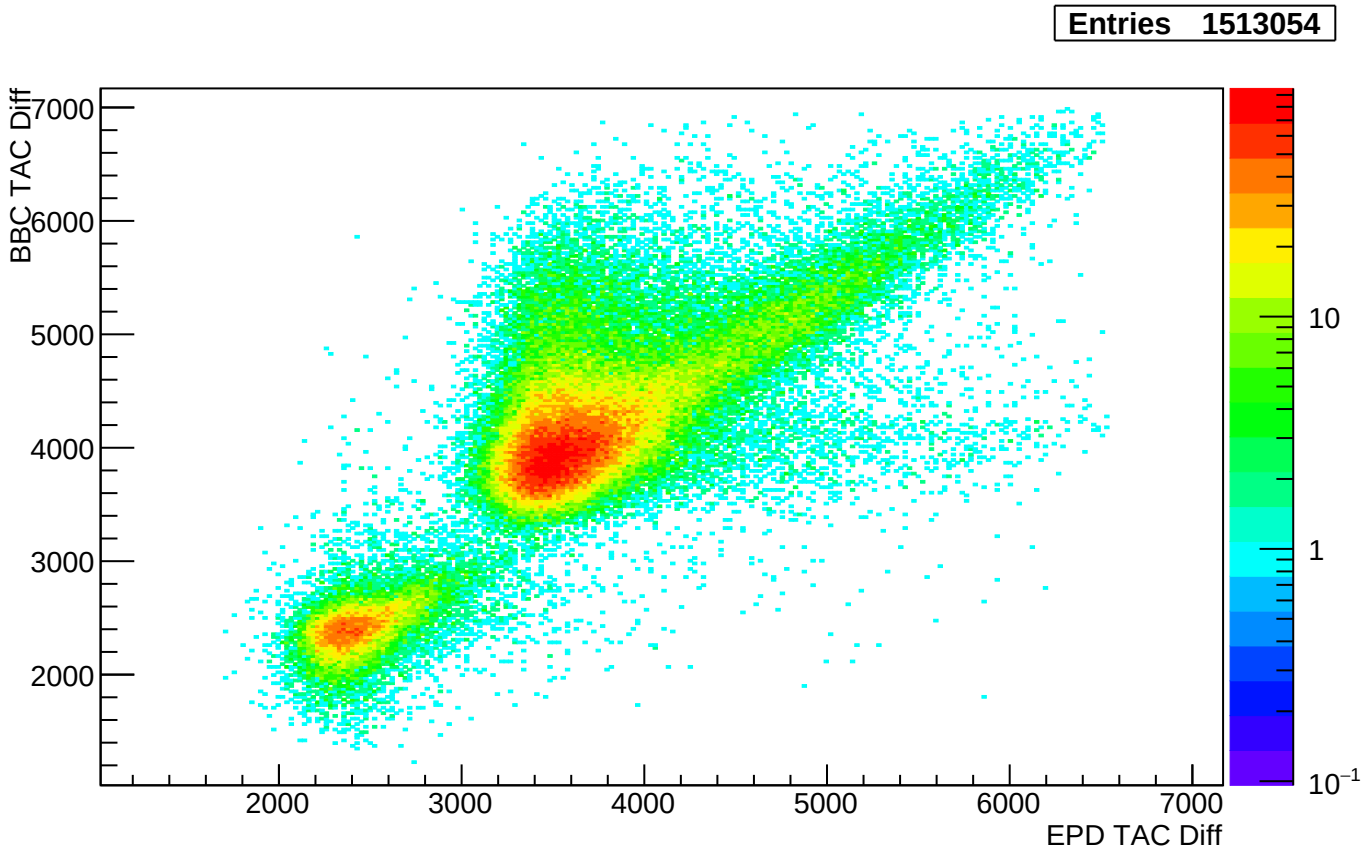

Entries 1513054
TOF_Mult
BBC-S-West ADC Sum

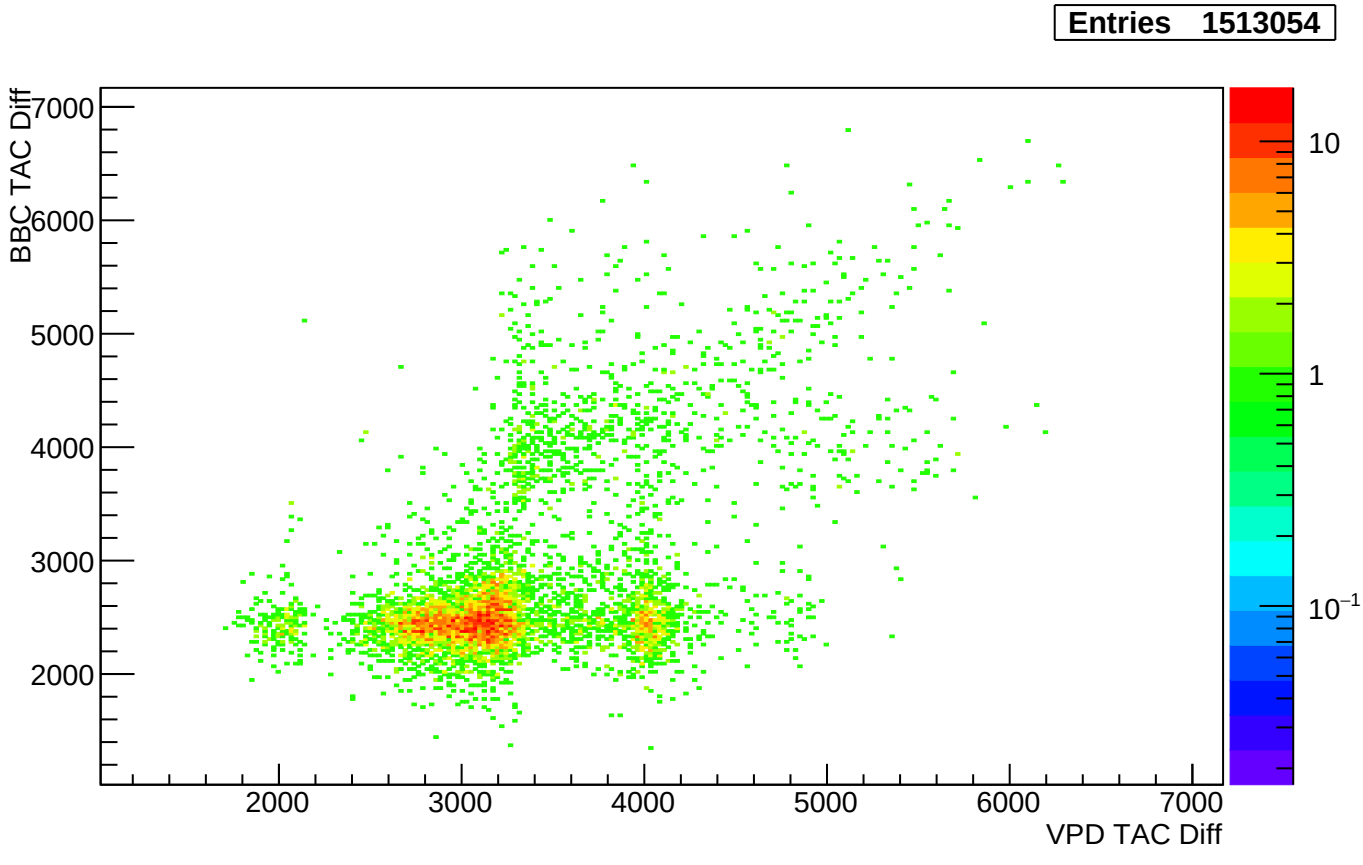

Entries 1513054
TOF_Mult
EPD-East Hit Cnt

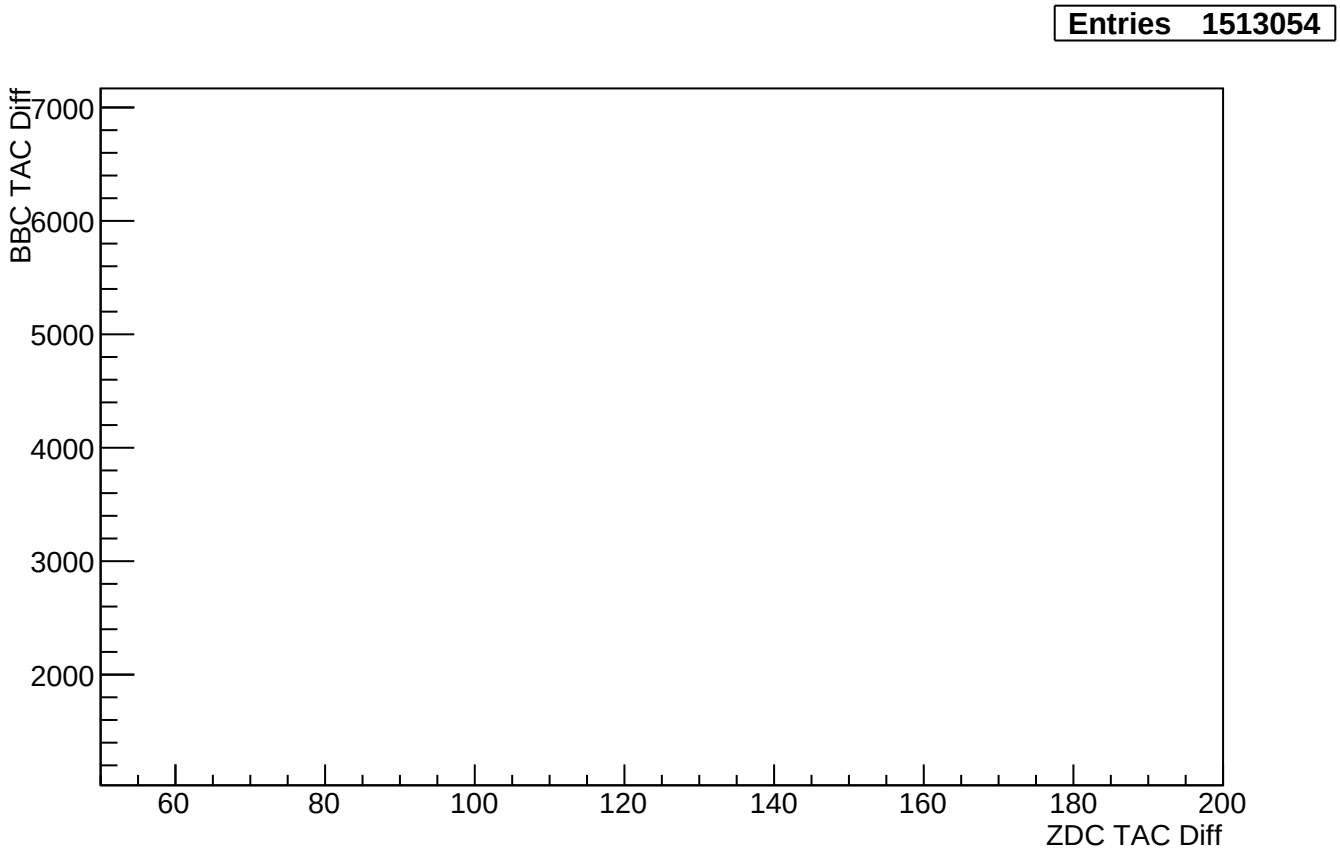

Entries 1513054
TOF_Mult
EPD-West Hit Cnt

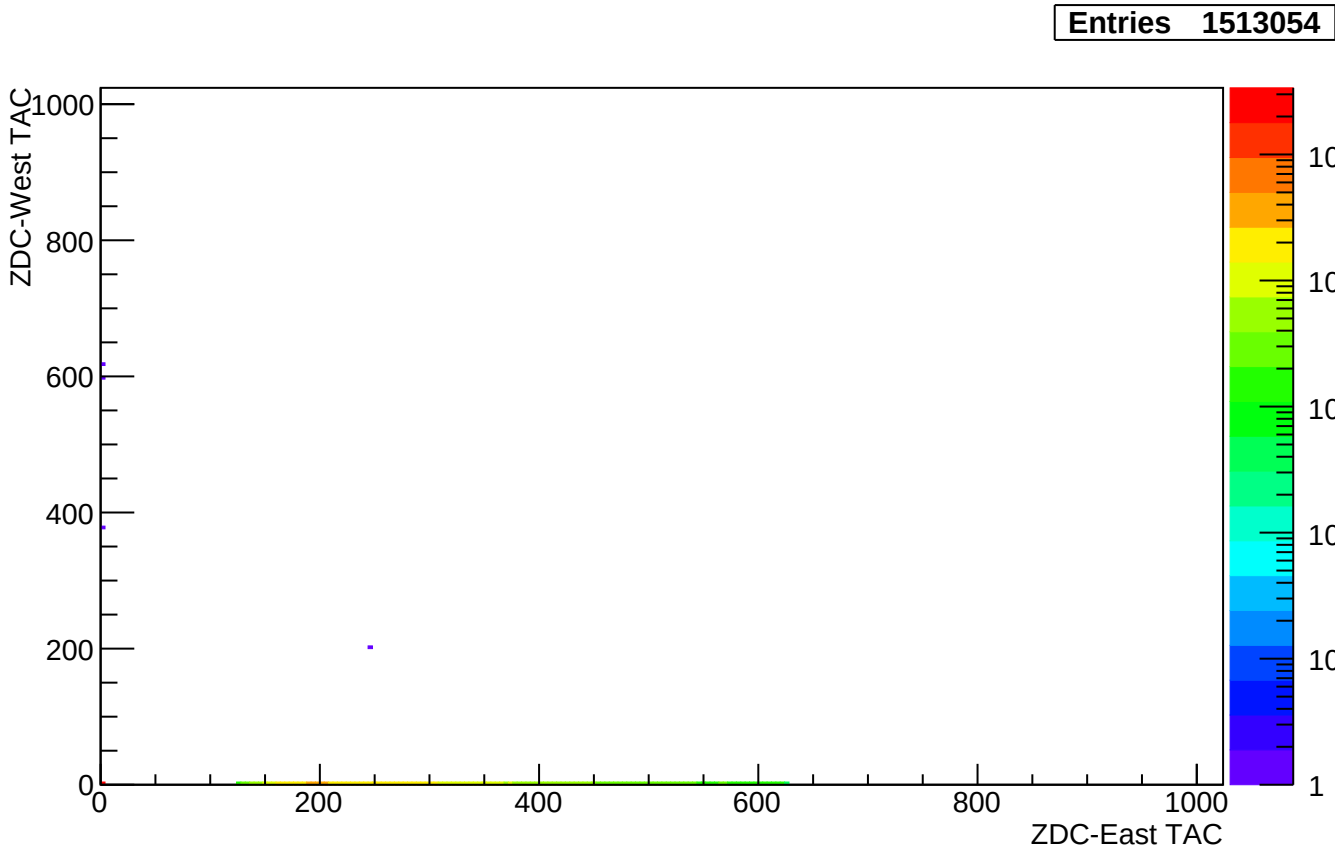

Entries 1513054
TOF_Mult
VPD-East ADC Sum

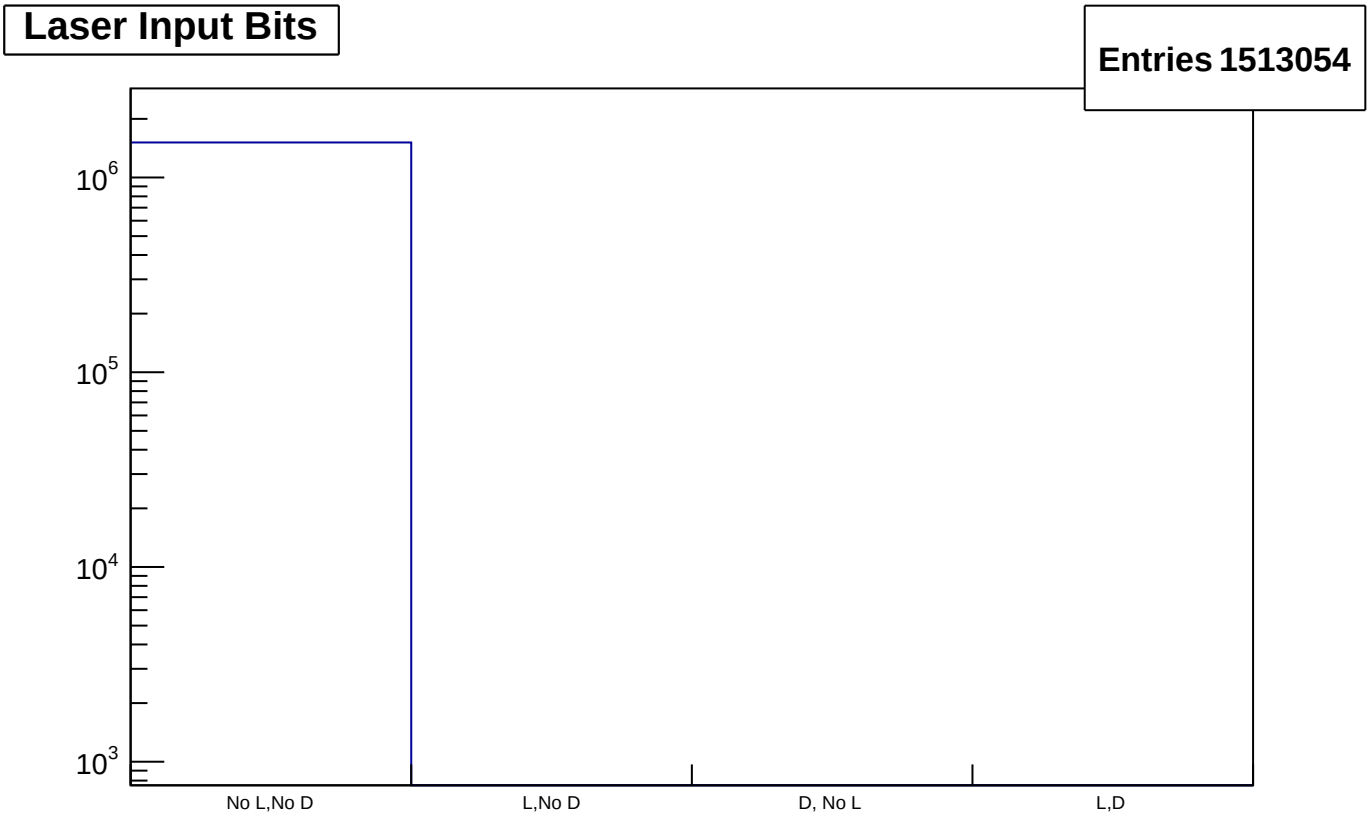

Entries 1513054
TOF_Mult
VPD-West ADC Sum

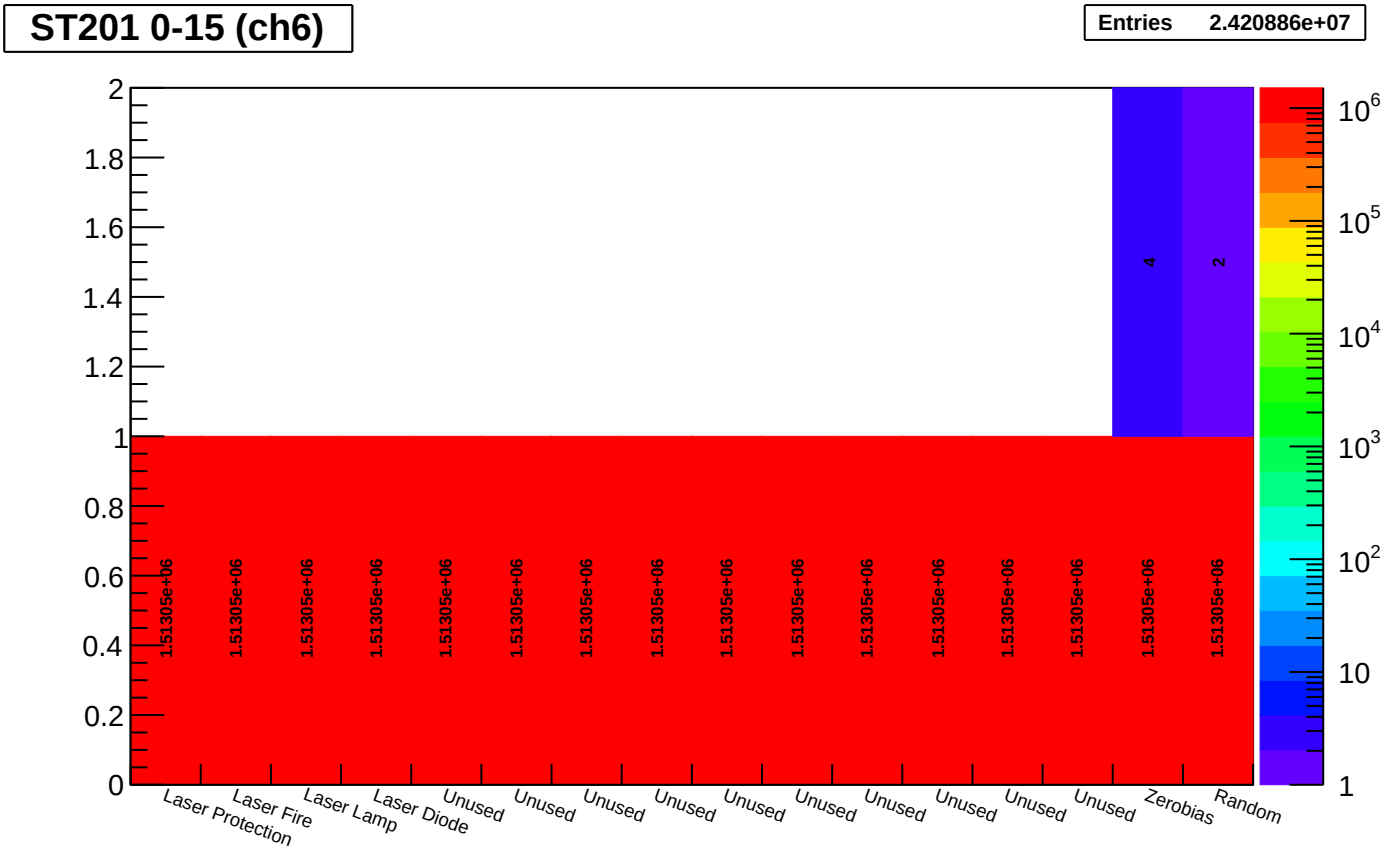

Entries 1513054
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10
1
$10^{-1}$

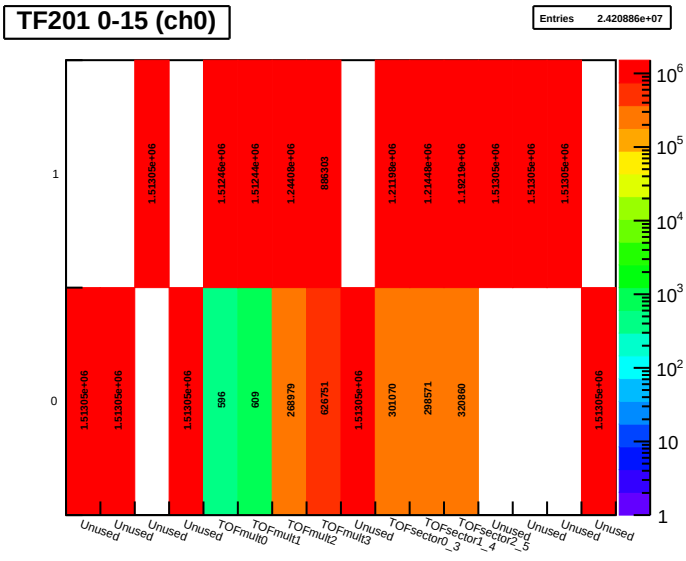

Entries 1513054
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
$10^{-1}$

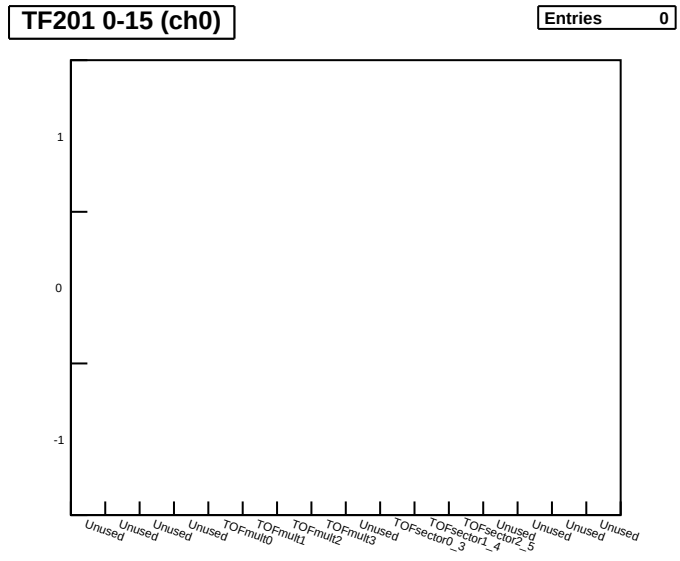

Entries 1513054
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

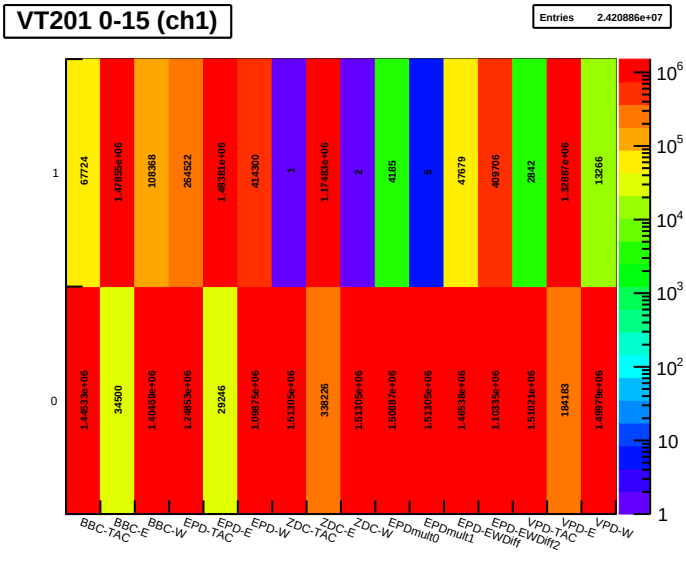

Entries 1513054
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

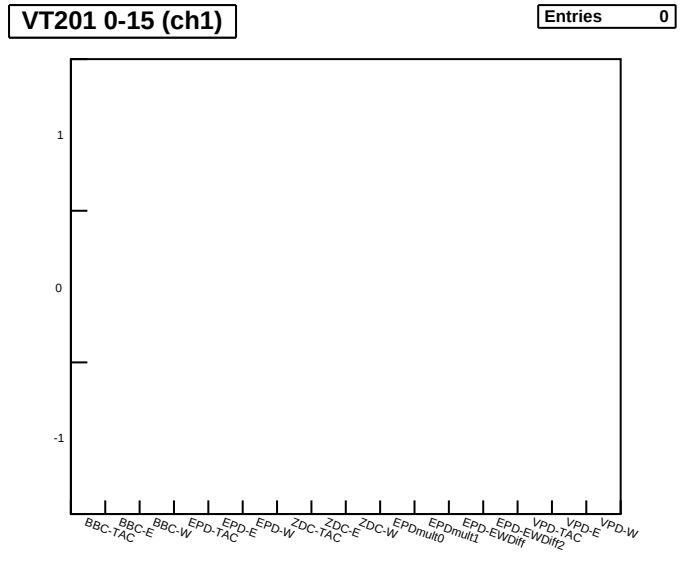

Laser Input Bits
Entries 1513054
$10^6$
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

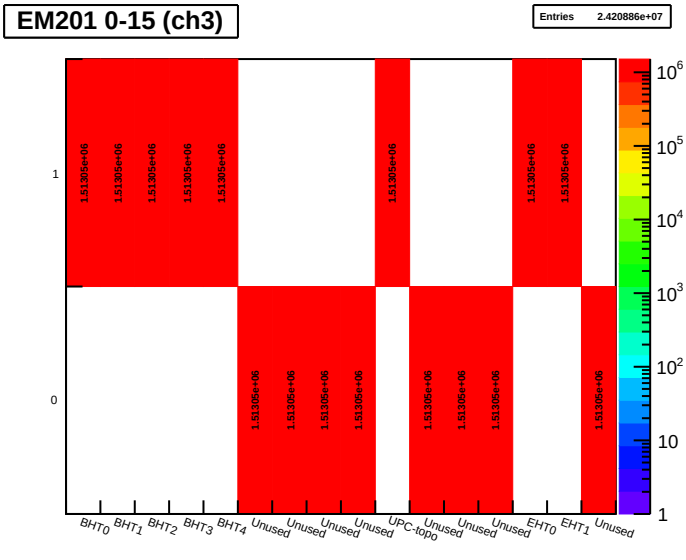

ST201 0-15 (ch6)
Entries 2.420886e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1.51305e+06
4
2
$10^6$
$10^5$
$10^4$
$10^3$
$10^2$
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

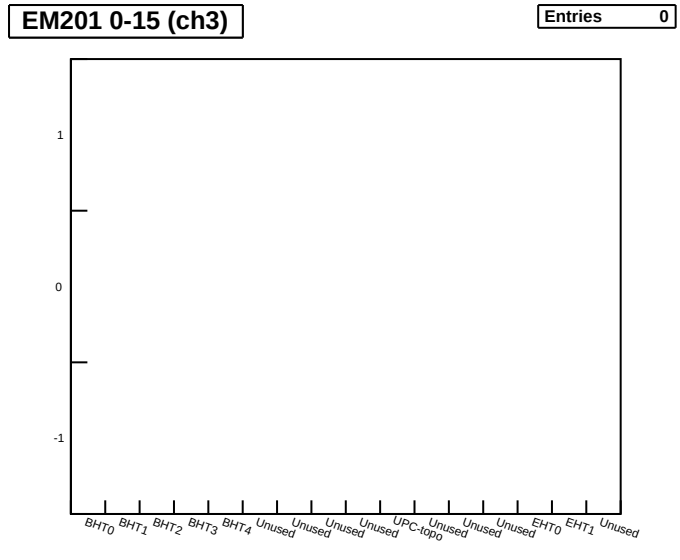

TF201 0-15 (ch0)
Entries 2.420886e+07
1.51305e+06
1.51246e+06
1.51244e+06
1.24408e+06
886303
1.21198e+06
1.21448e+06
1.19219e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
596
609
268979
626751
1.51305e+06
301070
298571
320860
1.51305e+06
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 2.420886e+07
67724
1.47855e+06
108368
264522
1.46331e+06
414300
1
1.17483e+06
2
4185
5
47679
409706
2842
1.32687e+06
13266
1.44533e+06
34500
1.40468e+06
1.24853e+06
29246
1.08875e+06
1.51305e+06
338226
1.51305e+06
1.50887e+06
1.51305e+06
1.46538e+06
1.10335e+06
1.51021e+06
184183
1.49978e+06
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


VT201 0-15 (ch1)
Entries 0
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 2.420886e+07
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
1.51305e+06
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1


EM201 0-15 (ch3)
Entries 0
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1