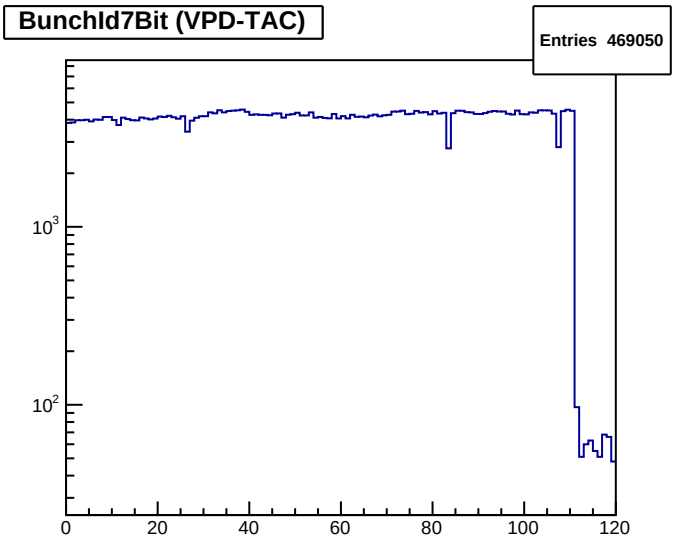
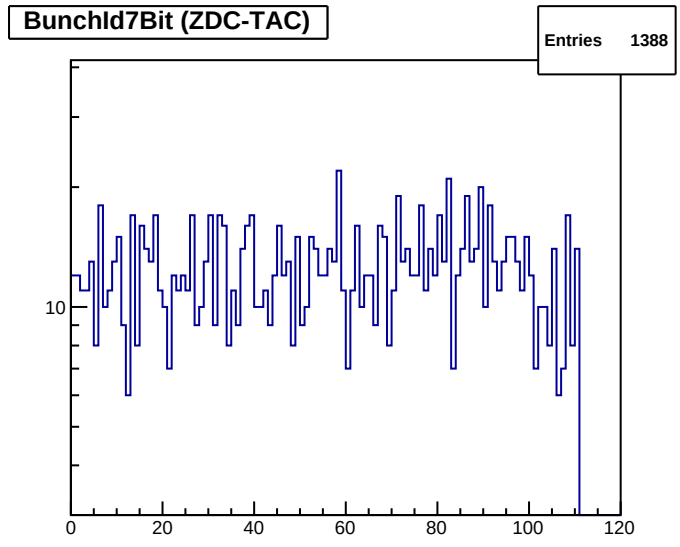
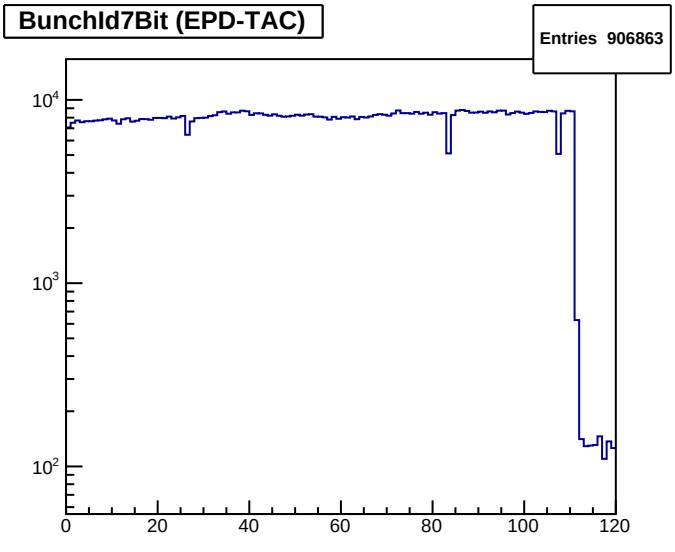
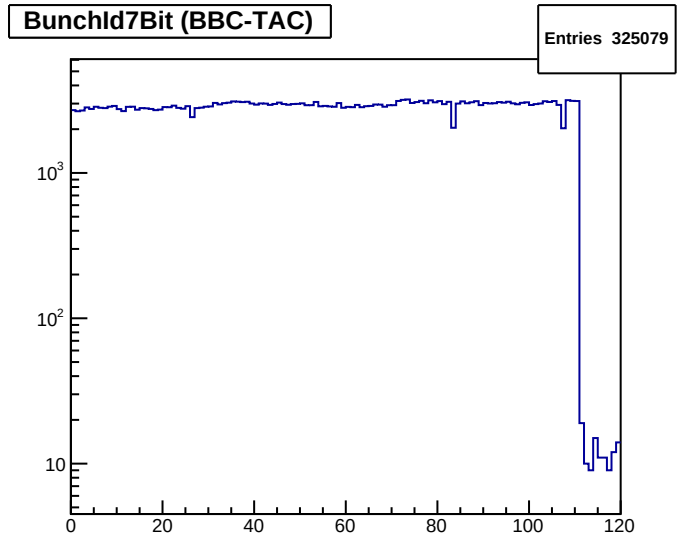
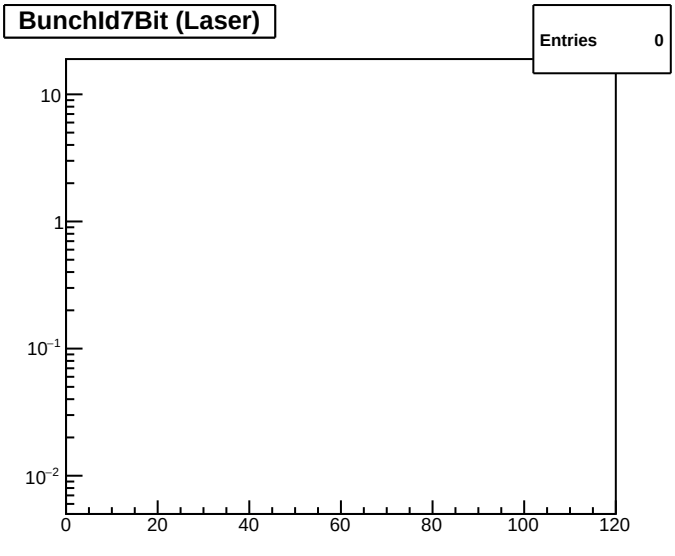
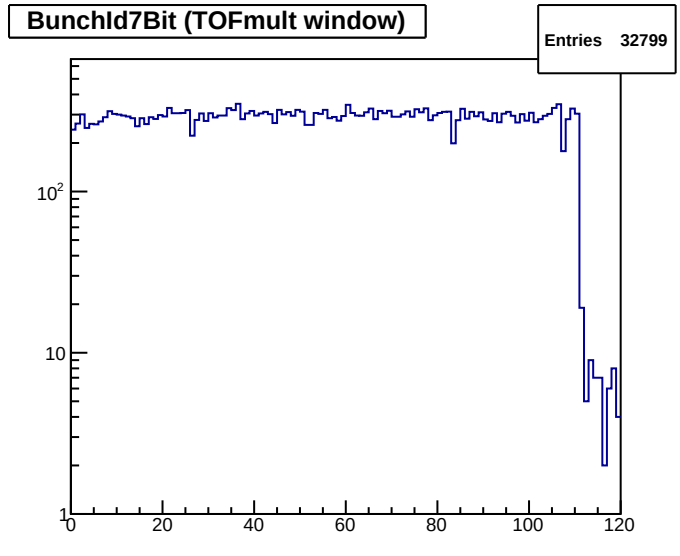

BunchId7Bit (VPD-TAC)
Entries 469050
10^3
10^2
0 20 40 60 80 100 120

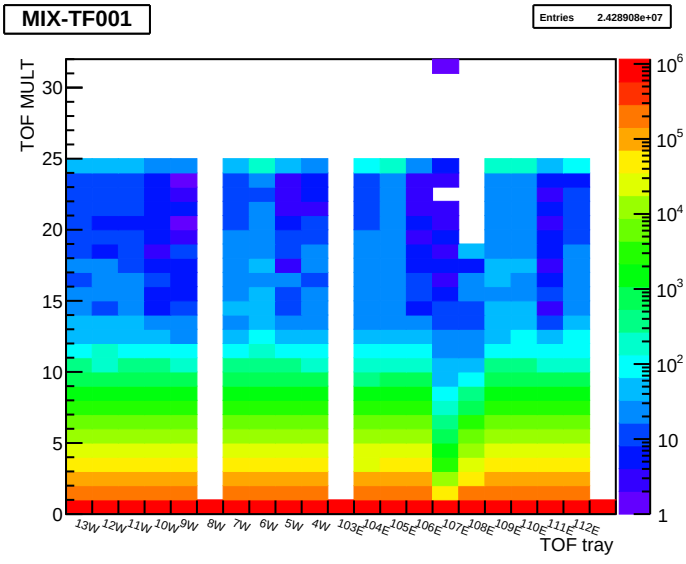

BunchId7Bit (ZDC-TAC)
Entries 1388
10
0 20 40 60 80 100 120

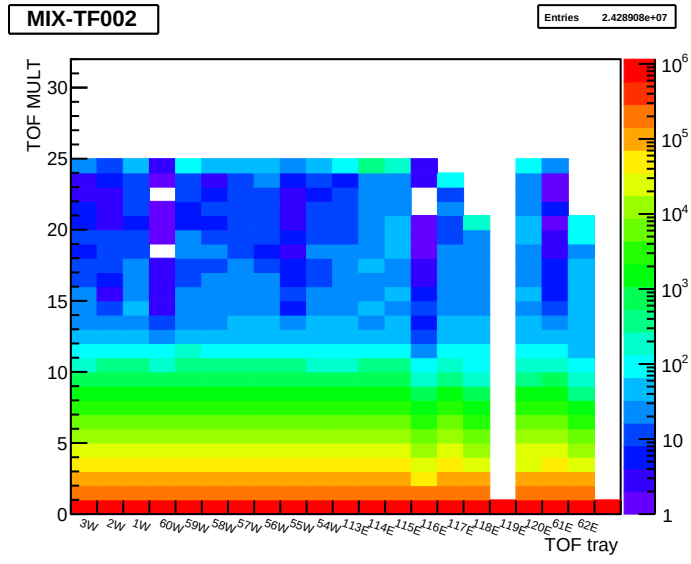

BunchId7Bit (EPD-TAC)
Entries 906863
10^4
10^3
10^2
0 20 40 60 80 100 120

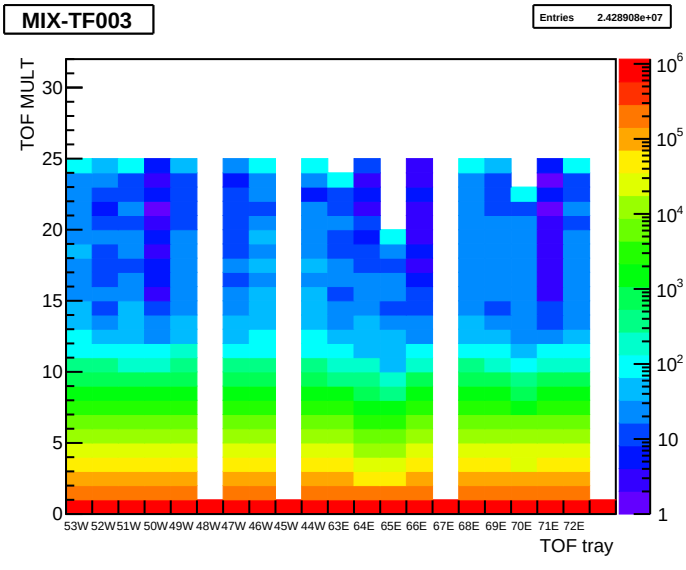

BunchId7Bit (BBC-TAC)
Entries 325079
10^3
10^2
10
0 20 40 60 80 100 120

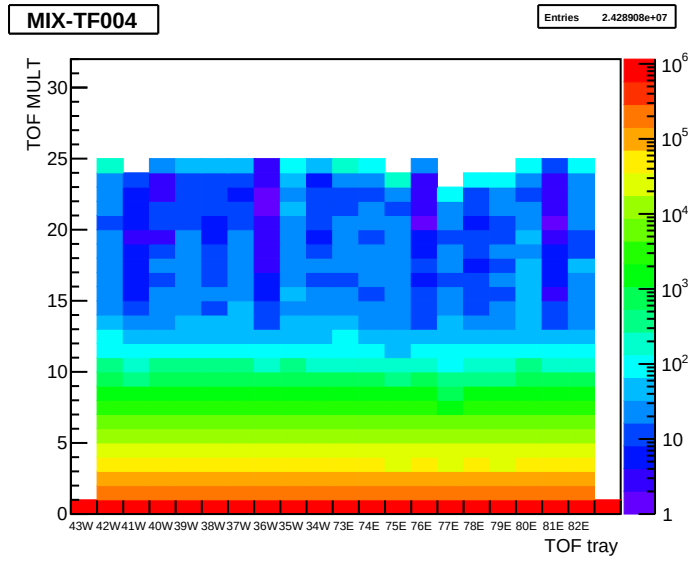

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

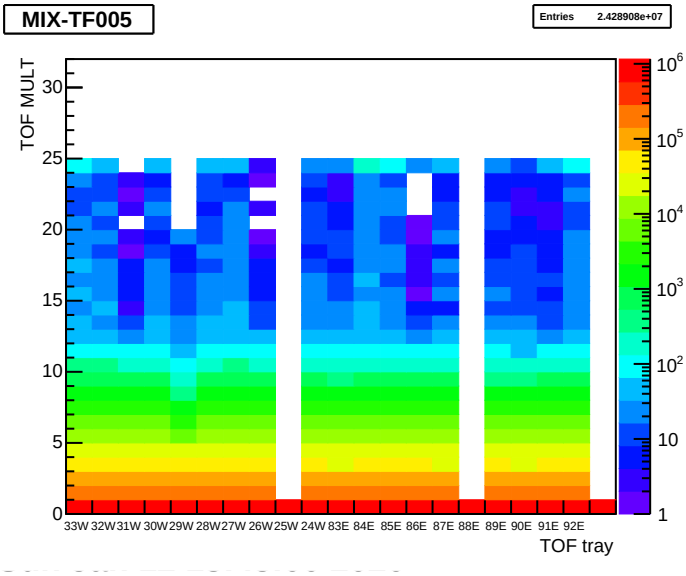

BunchId7Bit (TOFmult window)
Entries 32799
10^2
10
1
0 20 40 60 80 100 120

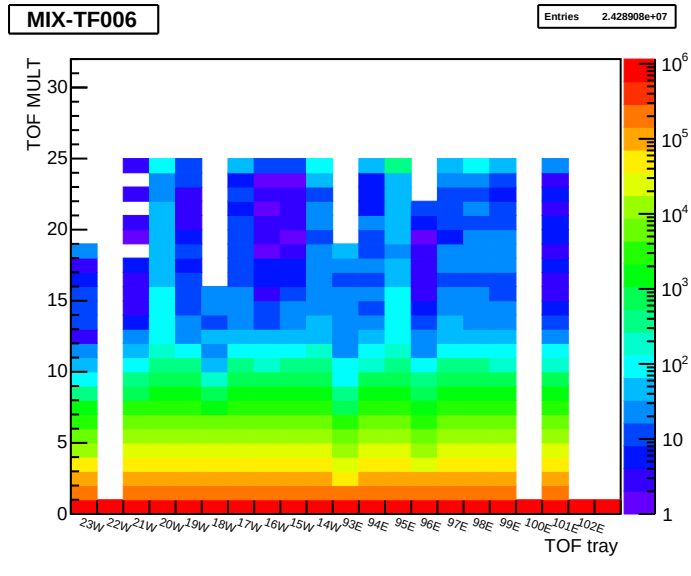

MIX-TF001
Entries 2.428908e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

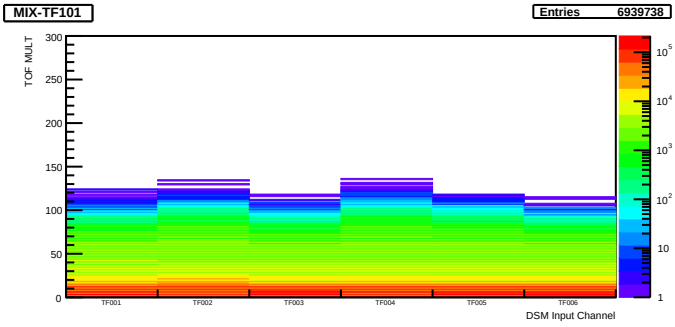

MIX-TF002
Entries 2.428908e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

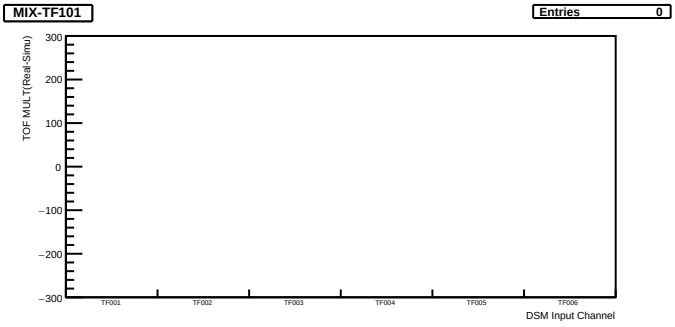

MIX-TF003
Entries 2.428908e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

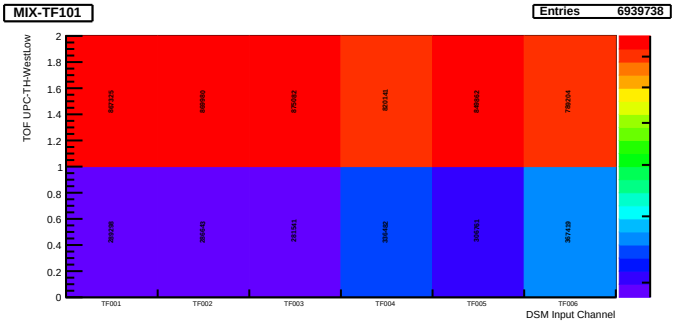

MIX-TF004
Entries 2.428908e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

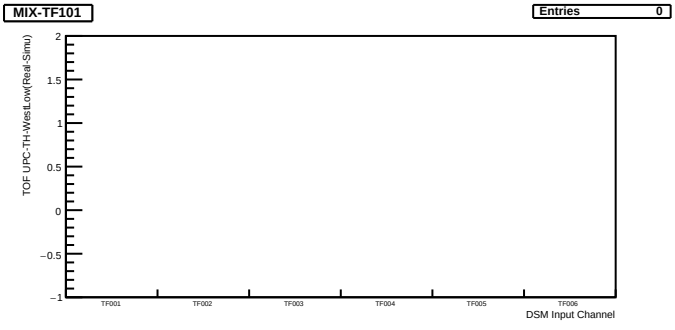

MIX-TF005
Entries 2.428908e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

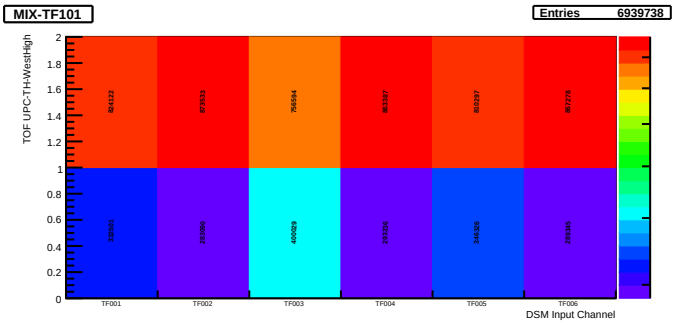

MIX-TF006
Entries 2.428908e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

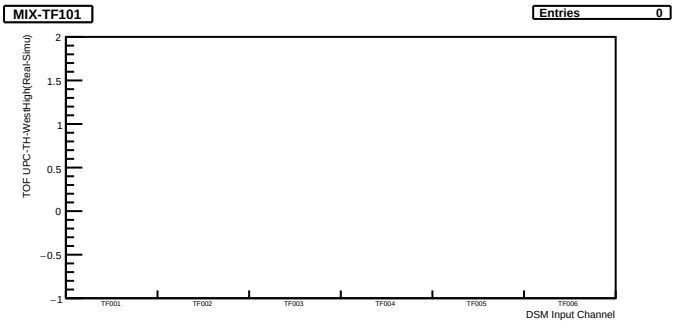

MIX-TF101
Entries 6939738
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

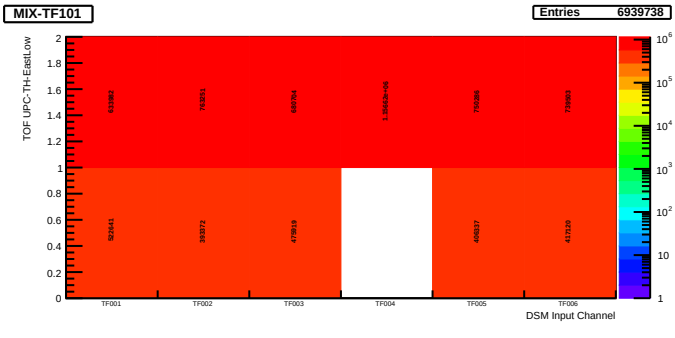

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

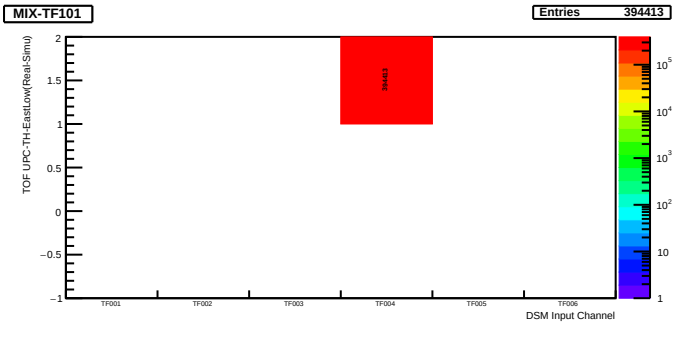

MIX-TF101
Entries 6939738
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

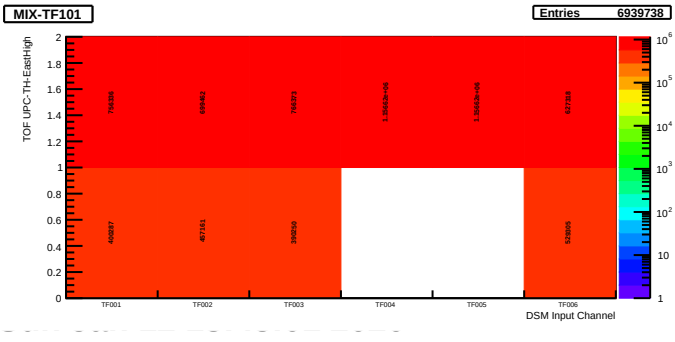

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

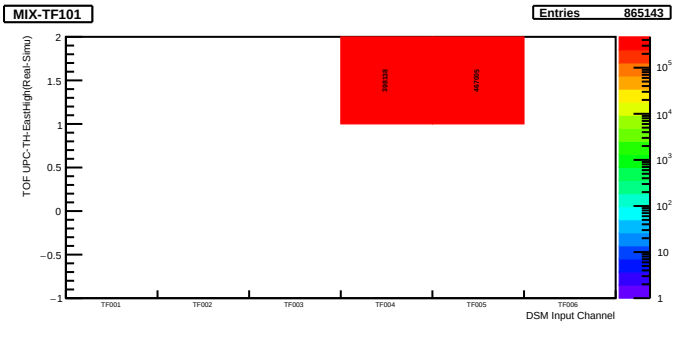

MIX-TF101
Entries 6939738
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

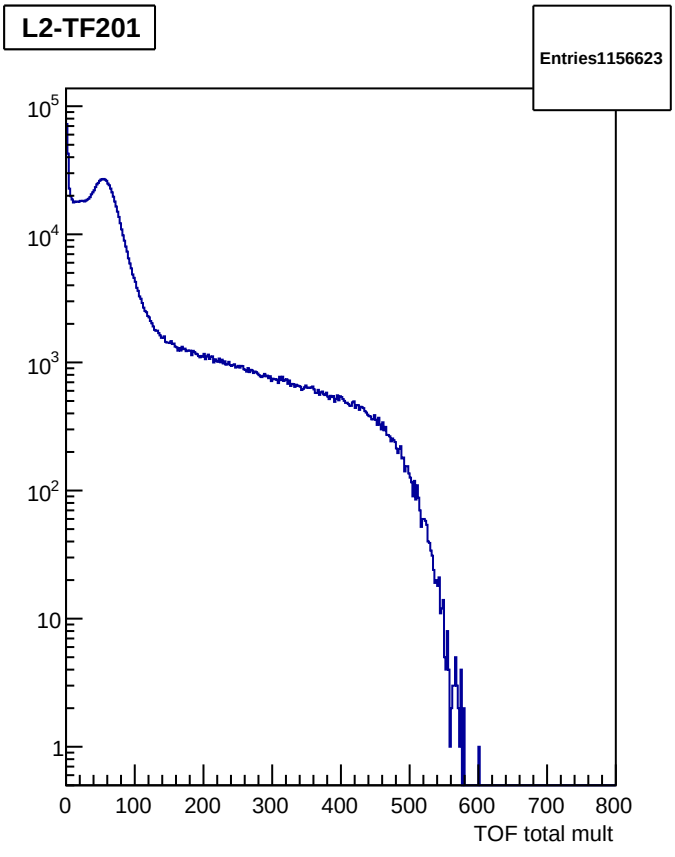

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

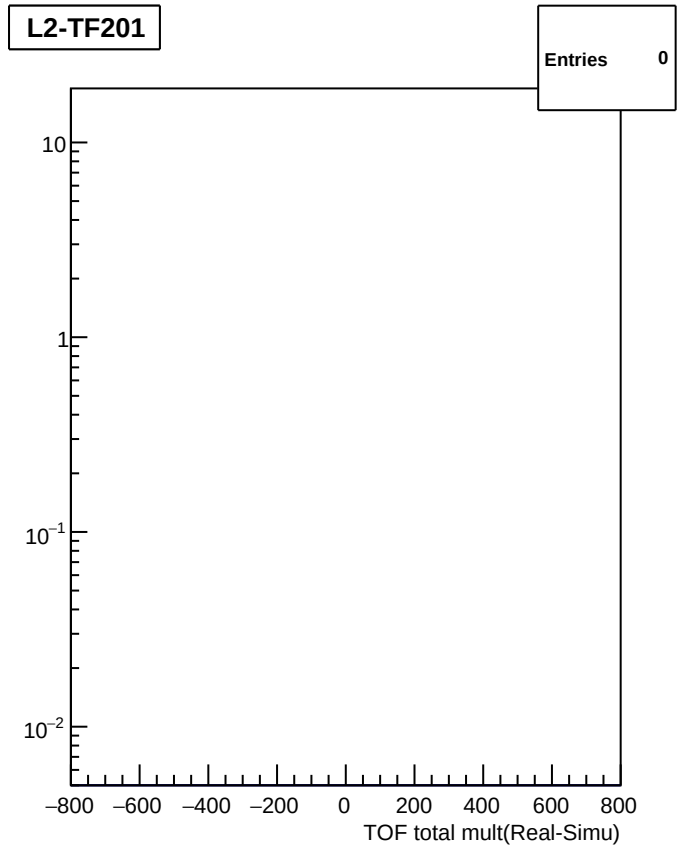

MIX-TF101
Entries 6939738
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

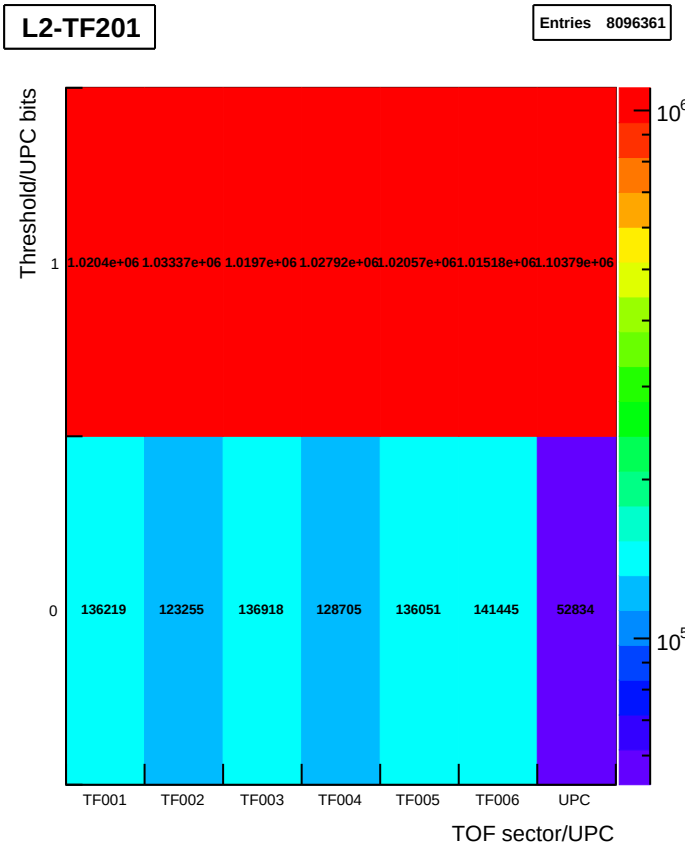

MIX-TF101
Entries 394413
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

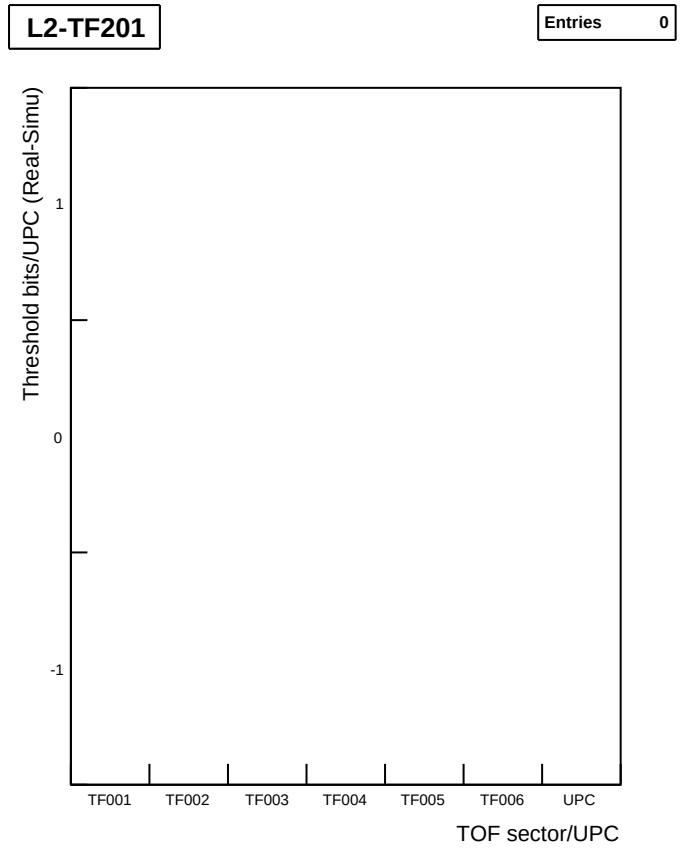

MIX-TF101
Entries 6939738
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

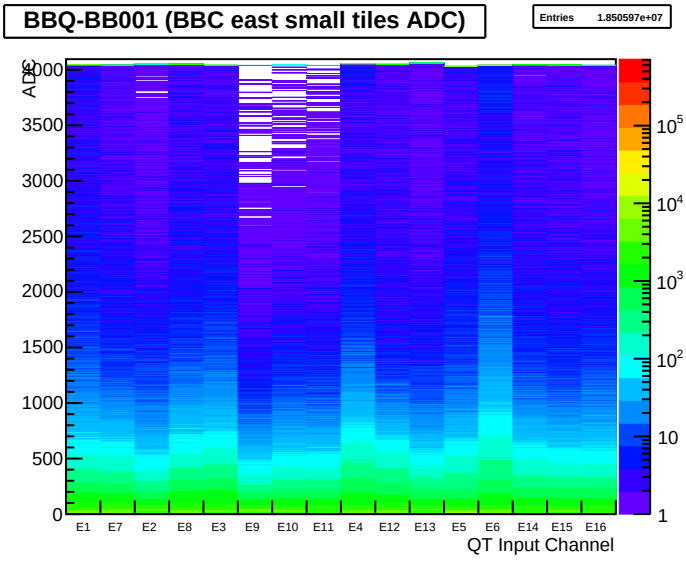

MIX-TF101
Entries 865143
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

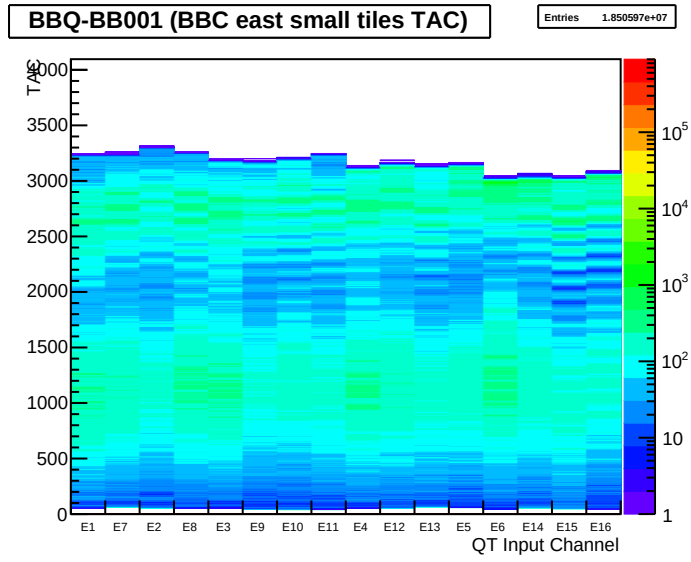

L2-TF201
Entries1156623
TOF total mult

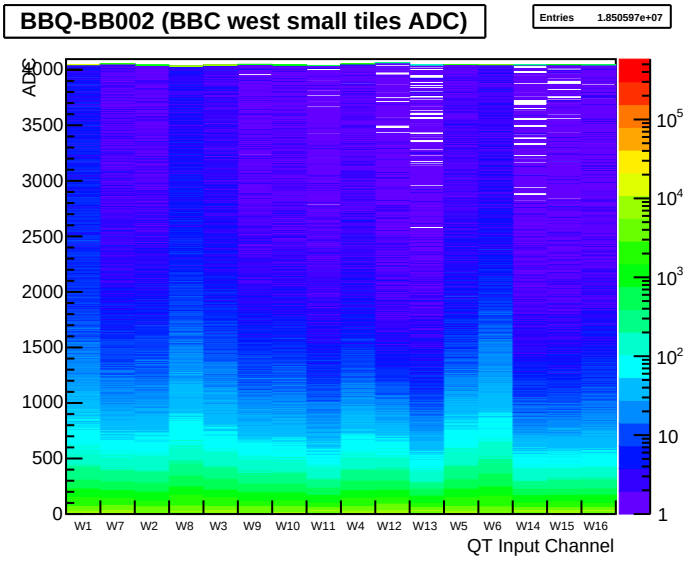

L2-TF201
Entries 0
TOF total mult(Real-Simu)

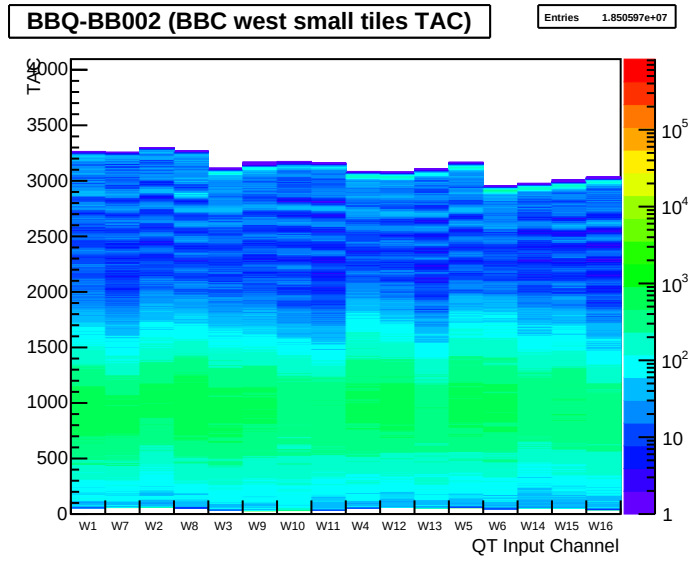

L2-TF201
Entries 8096361
Threshold/UPC bits
1.0204e+06 1.03337e+06 1.0197e+06 1.02792e+06 1.02057e+06 1.01518e+06 1.10379e+06
136219 123255 136918 128705 136051 141445 52834
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

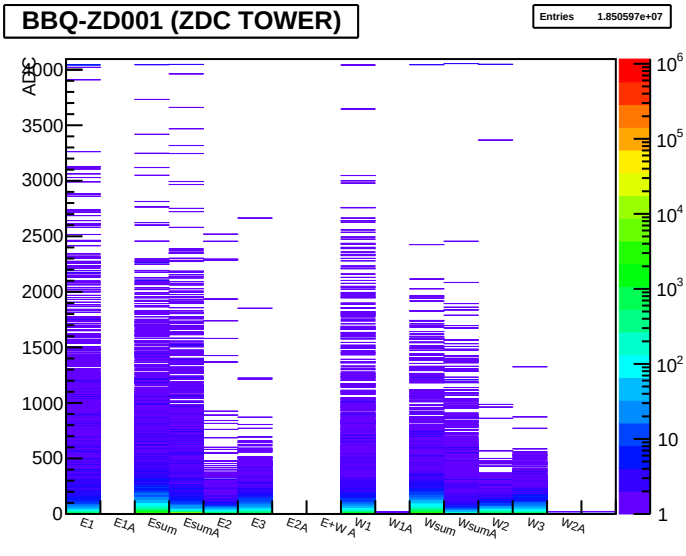

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001 TF002 TF003 TF004 TF005 TF006 UPC
TOF sector/UPC

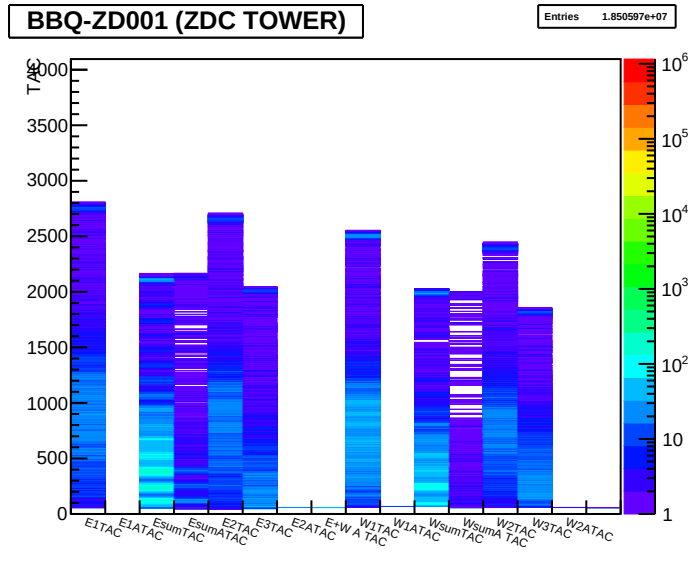

BBQ-BB001 (BBC east small tiles ADC)
Entries 1.850597e+07
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

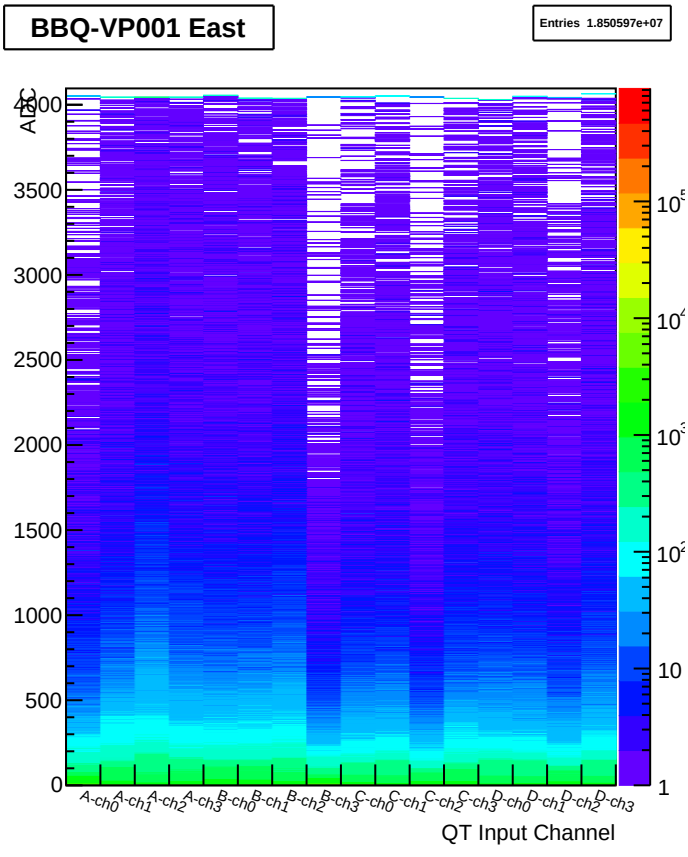

BBQ-BB001 (BBC east small tiles TAC)
Entries 1.850597e+07
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

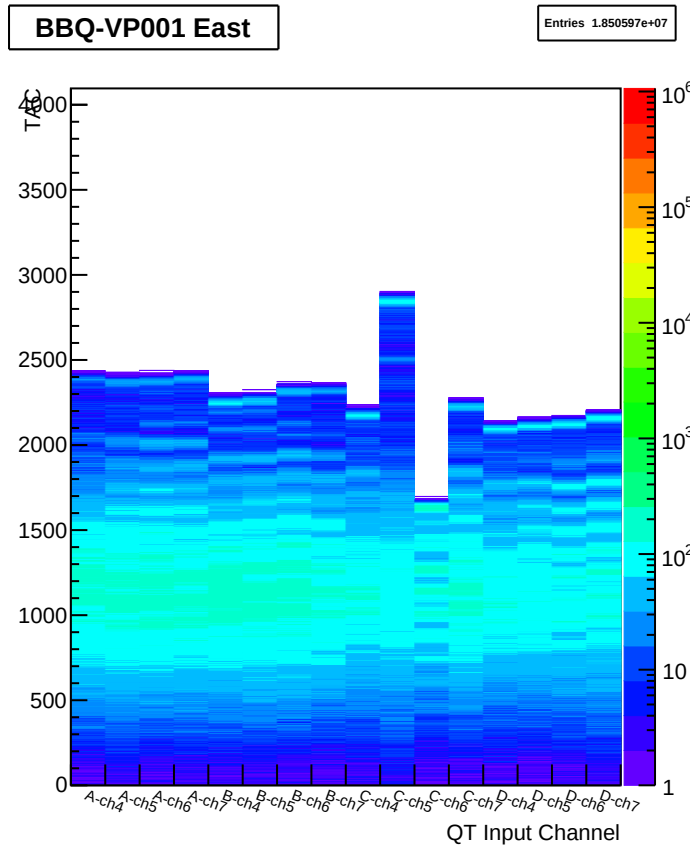

BBQ-BB002 (BBC west small tiles ADC)
Entries 1.850597e+07
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

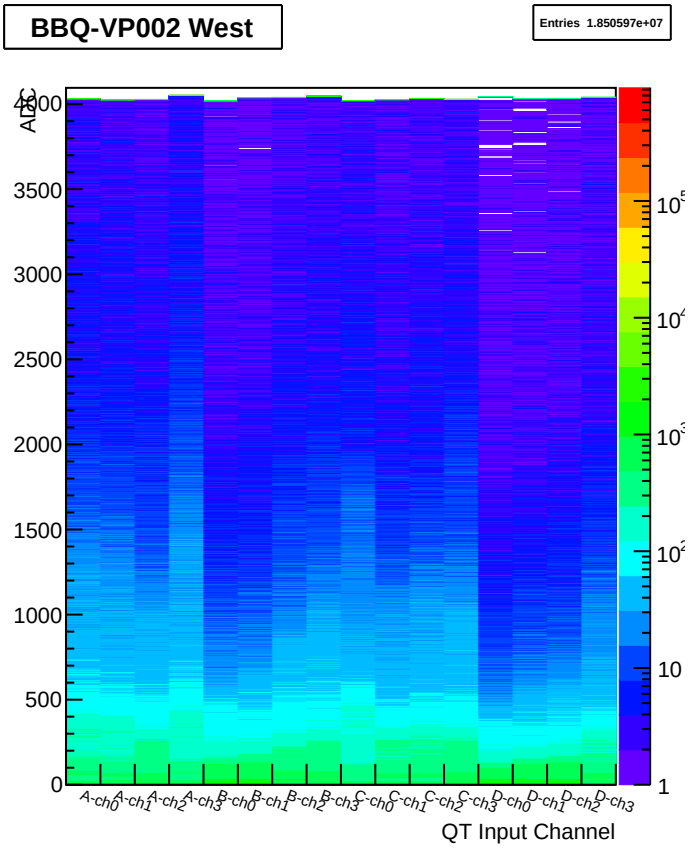

BBQ-BB002 (BBC west small tiles TAC)
Entries 1.850597e+07
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

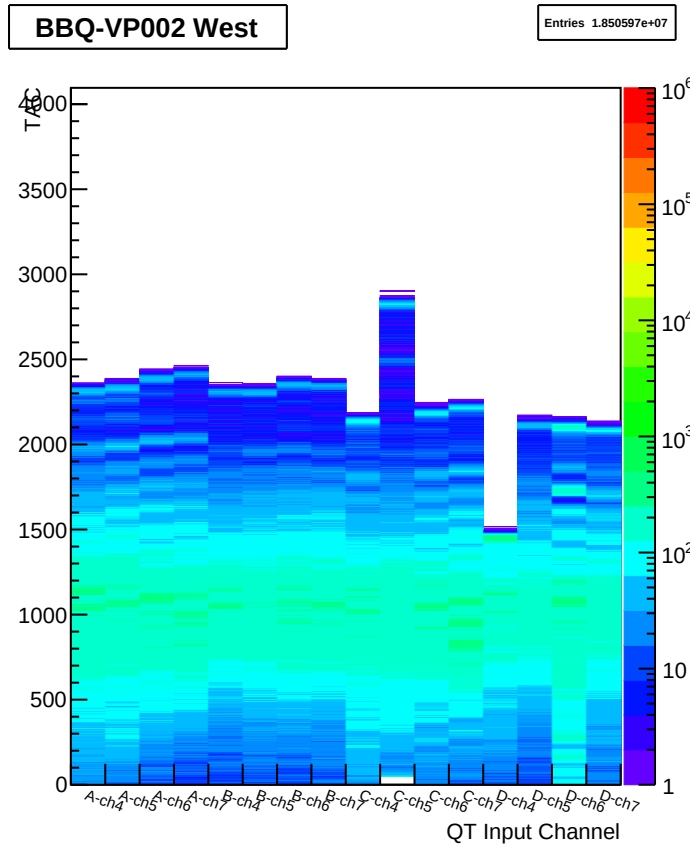

BBQ-ZD001 (ZDC TOWER)
Entries 1.850597e+07
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

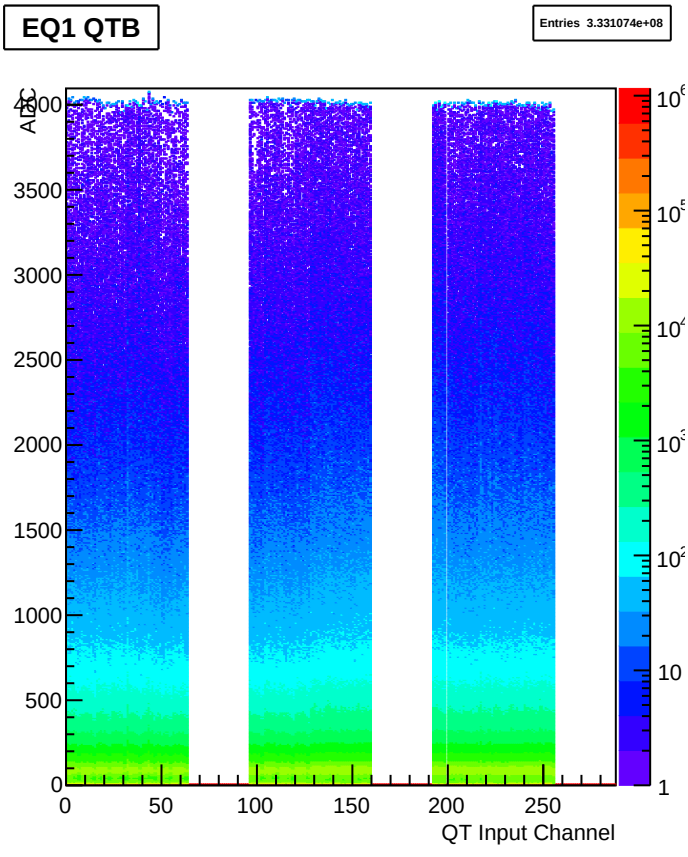

BBQ-ZD001 (ZDC TOWER)
Entries 1.850597e+07
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

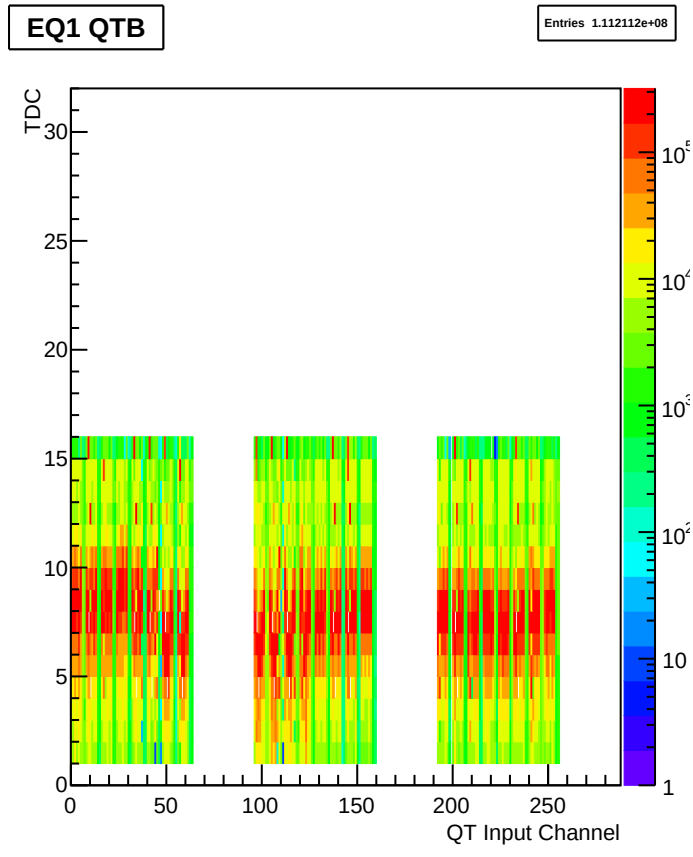

BBQ-VP001 East
Entries 1.850597e+07
ADC
QT Input Channel

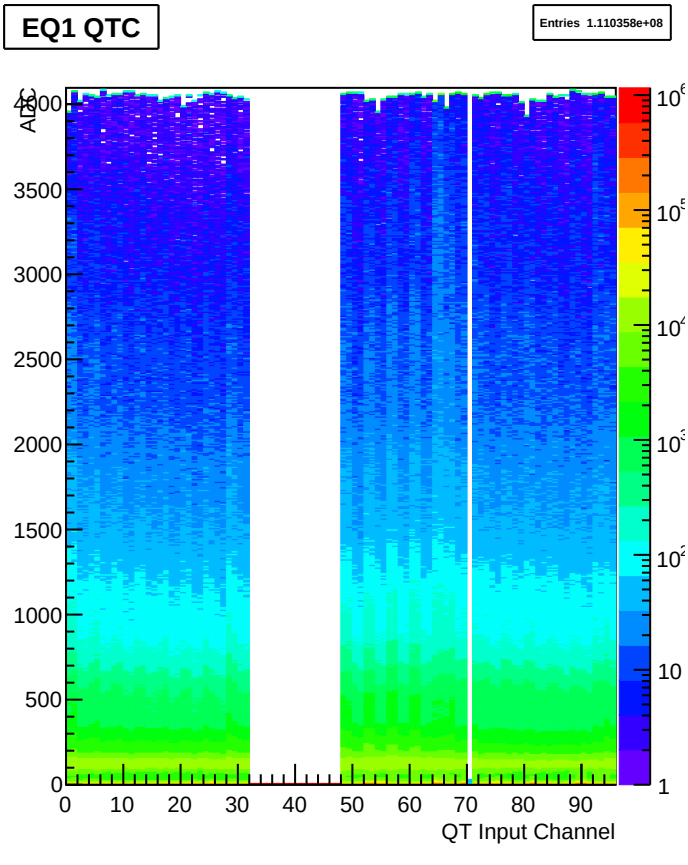

BBQ-VP001 East
Entries 1.850597e+07
TADC
QT Input Channel

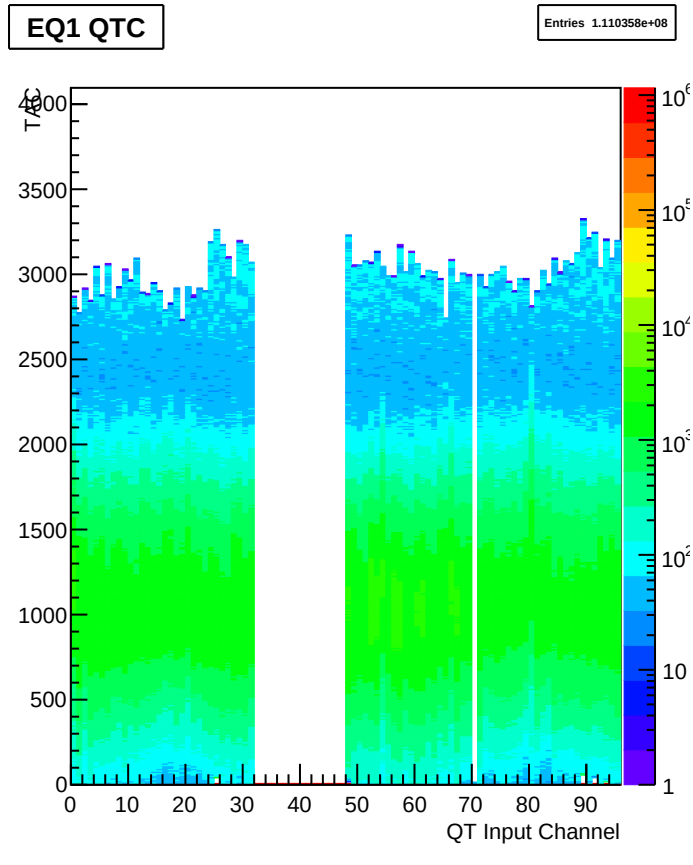

BBQ-VP002 West
Entries 1.850597e+07
ADC
QT Input Channel

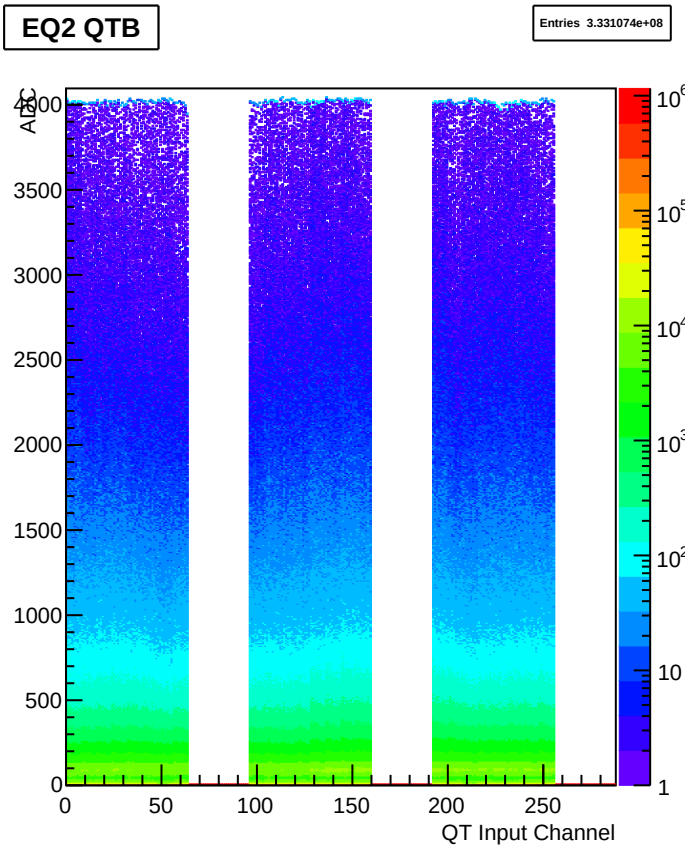

BBQ-VP002 West
Entries 1.850597e+07
TADC
QT Input Channel

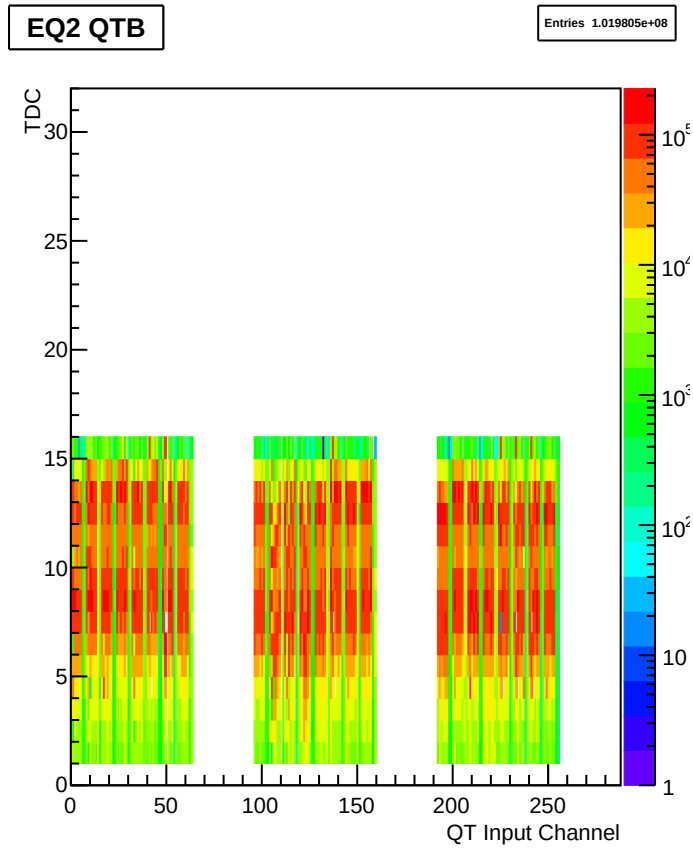

EQ1 QTB
Entries 3.331074e+08
ADC
QT Input Channel

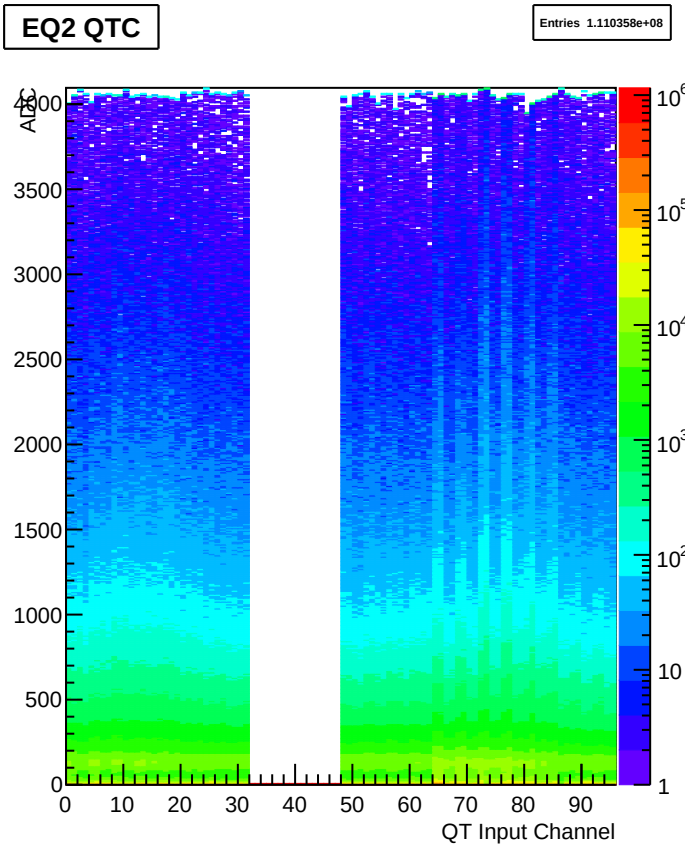

EQ1 QTB
Entries 1.112112e+08
TDC
QT Input Channel

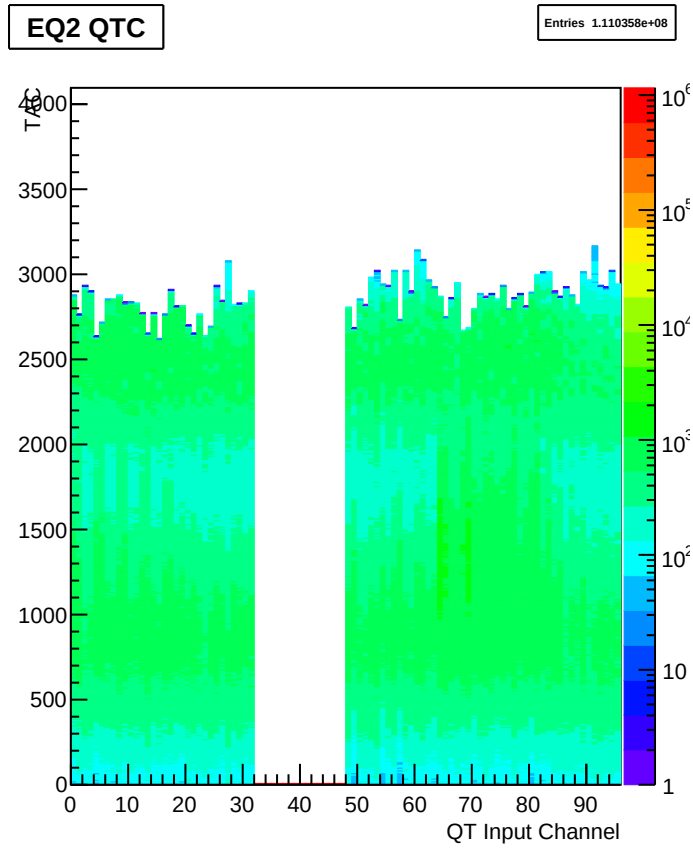

EQ1 QTC
Entries 1.110358e+08
ADC
QT Input Channel

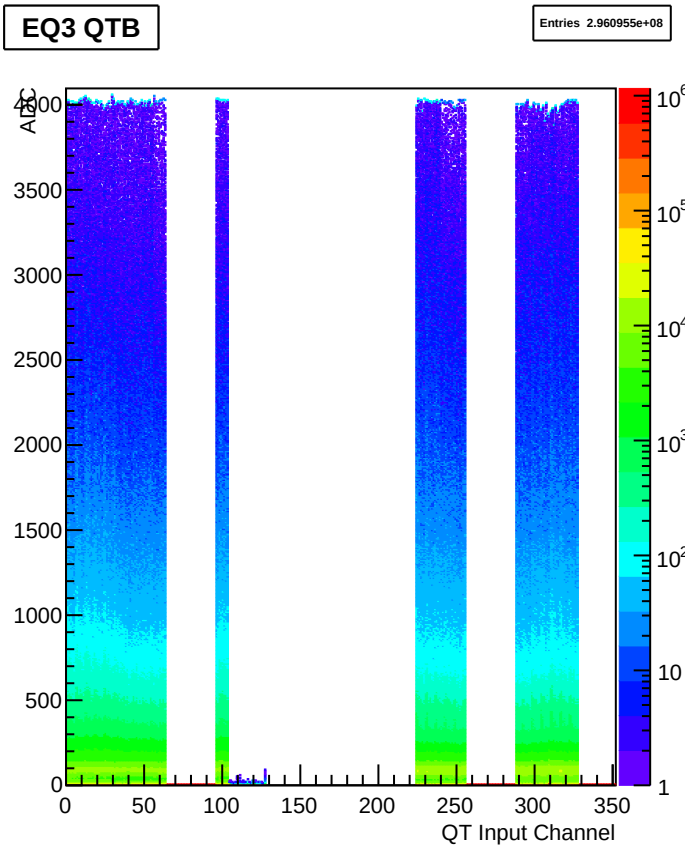

EQ1 QTC
Entries 1.110358e+08
TADC
QT Input Channel

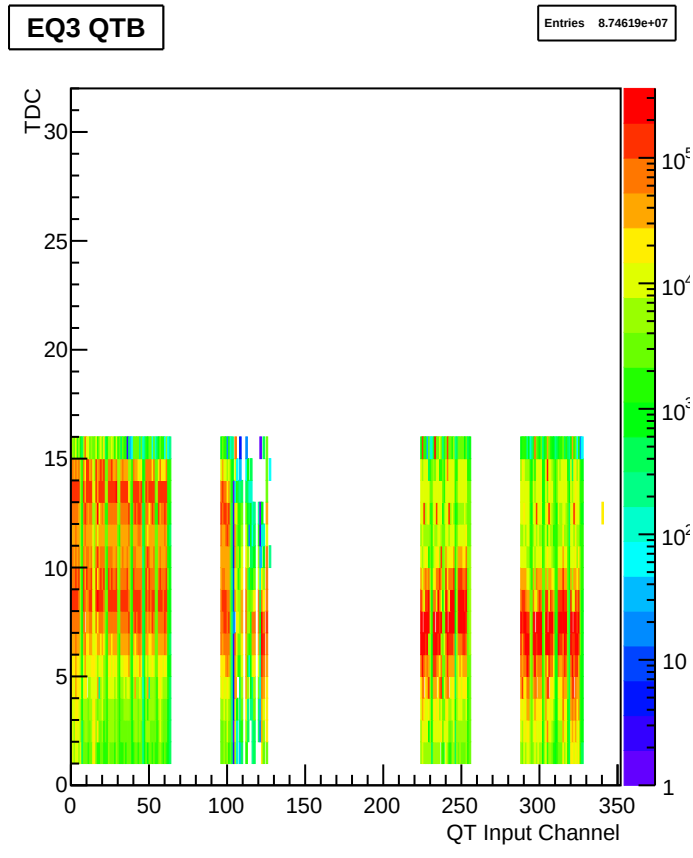

EQ2 QTB
Entries 3.331074e+08
ADC
QT Input Channel

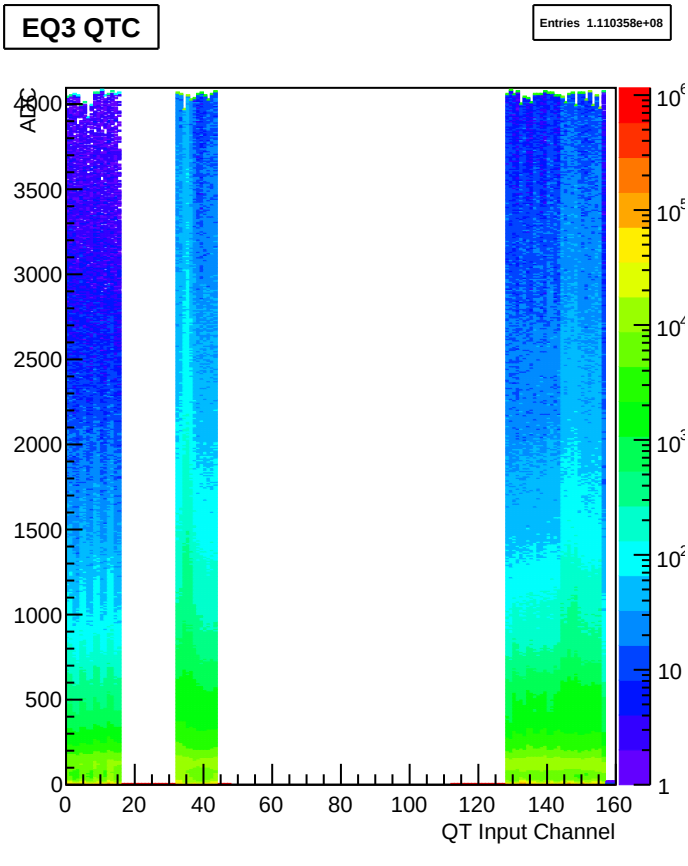

EQ2 QTB
Entries 1.019805e+08
TDC
QT Input Channel

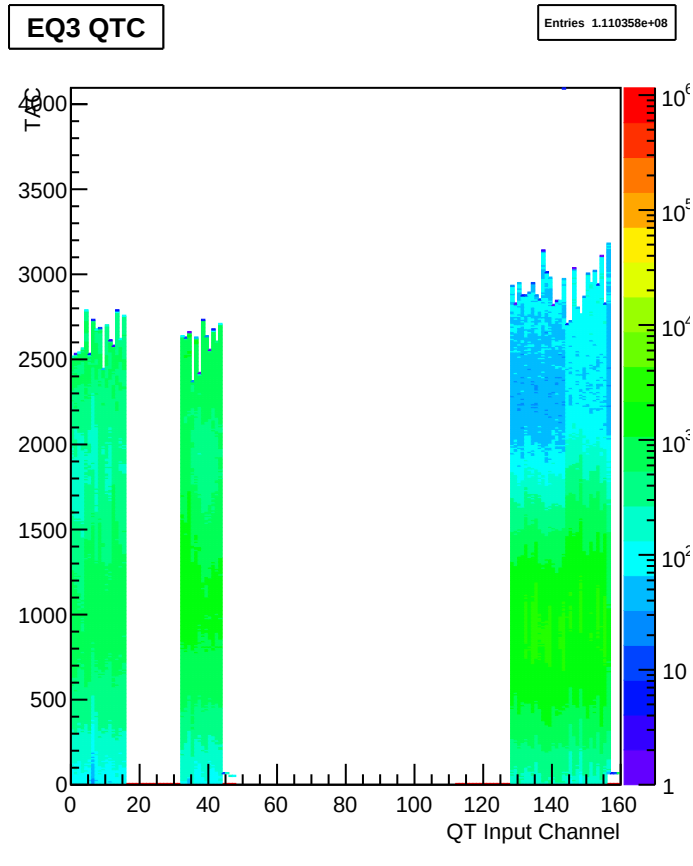

EQ2 QTC
Entries 1.110358e+08
ADC
QT Input Channel

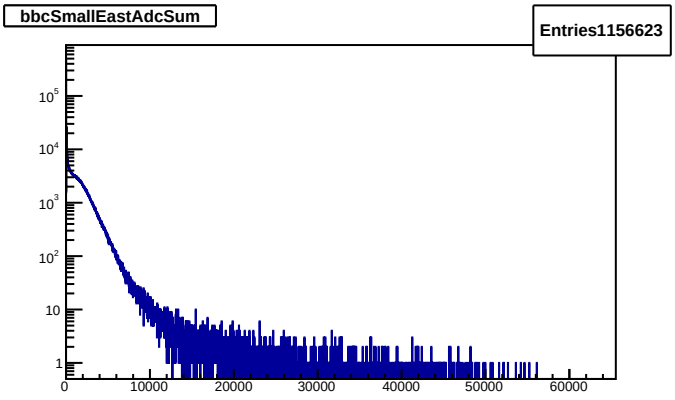

EQ2 QTC
Entries 1.110358e+08
TADC
QT Input Channel

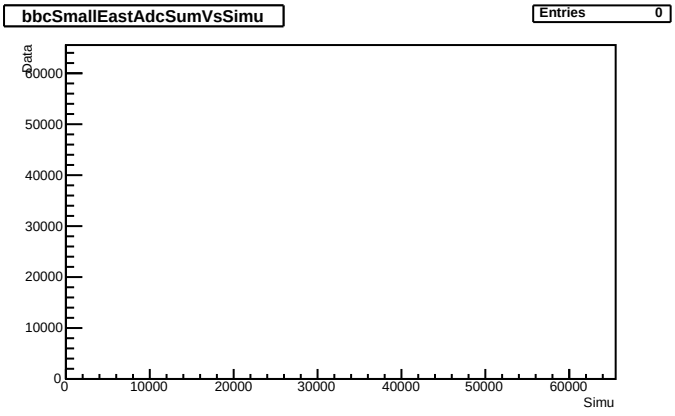

EQ3 QTB
Entries 2.960955e+08
ADC
QT Input Channel

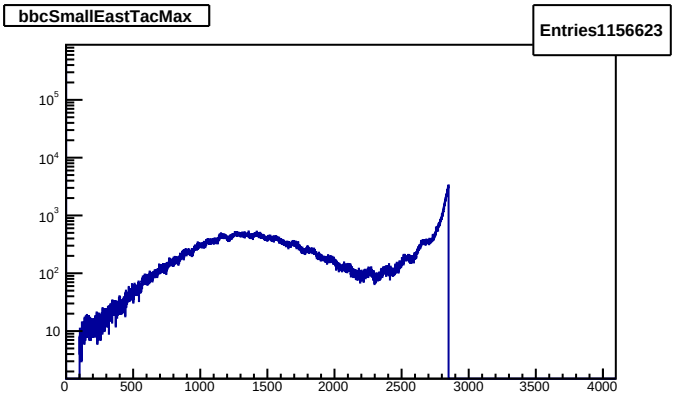

EQ3 QTB
Entries 8.74619e+07
TDC
QT Input Channel

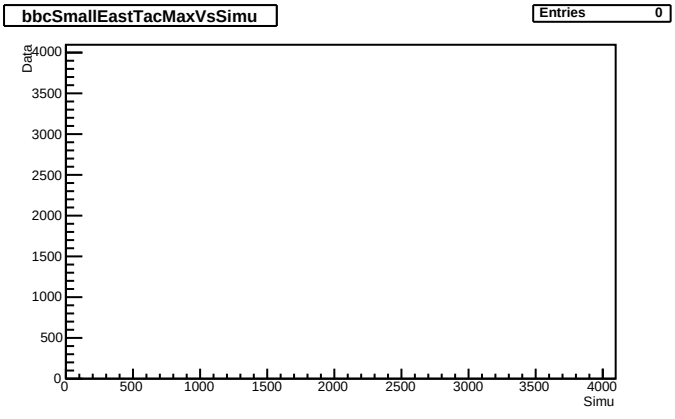

EQ3 QTC
Entries 1.110358e+08
ADC
QT Input Channel


EQ3 QTC
Entries 1.110358e+08
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries1156623


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries1156623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Entries 0
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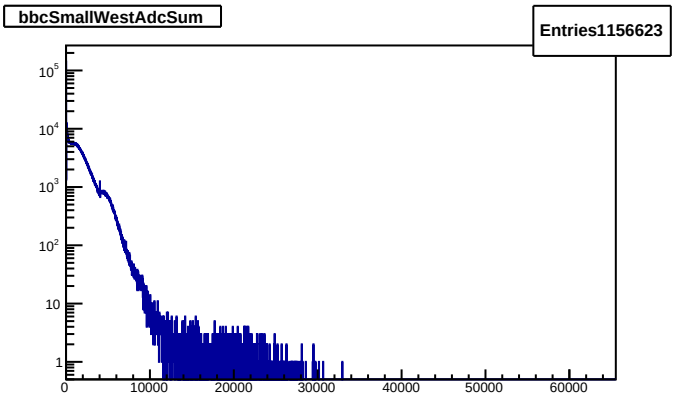
Simu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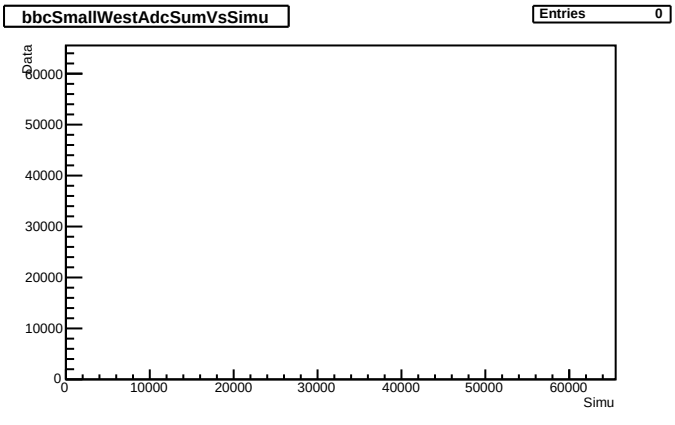
Entries1156623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Entries 0
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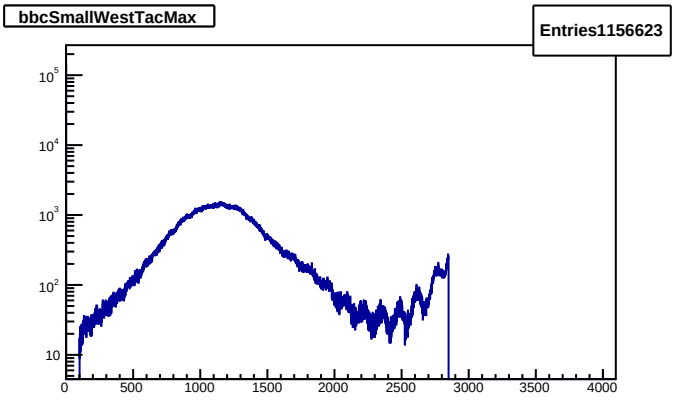
Simu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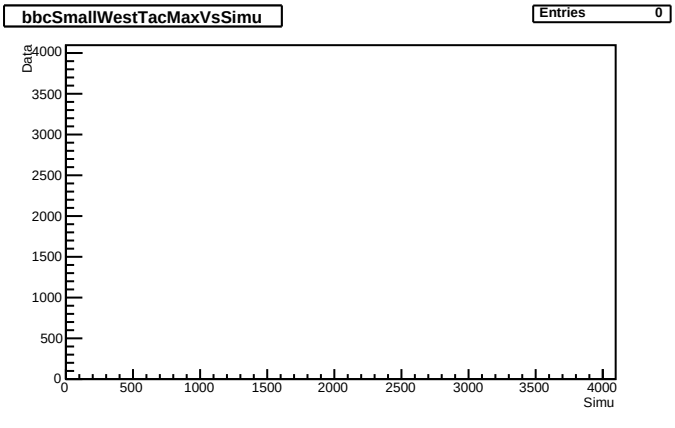
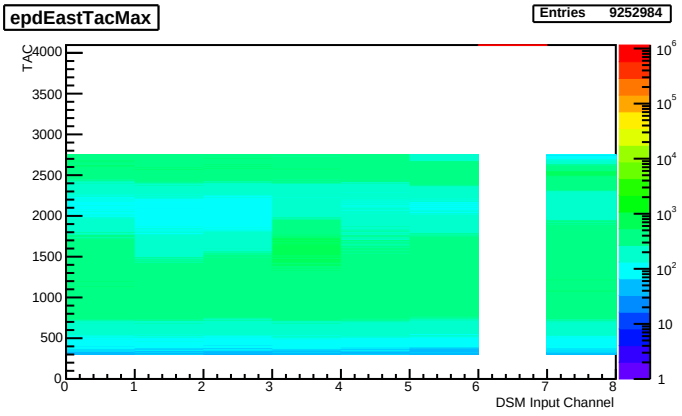
Entries1156623


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu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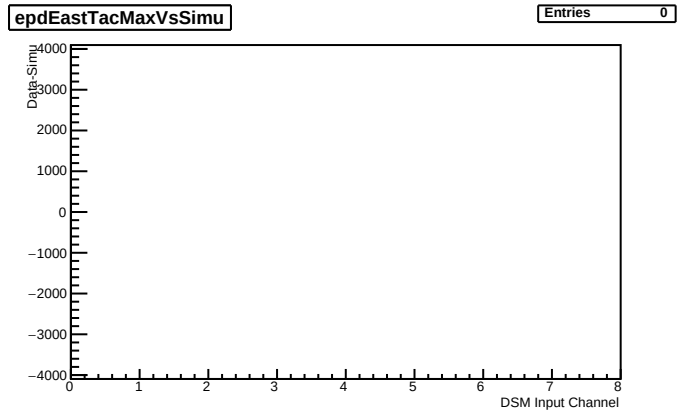
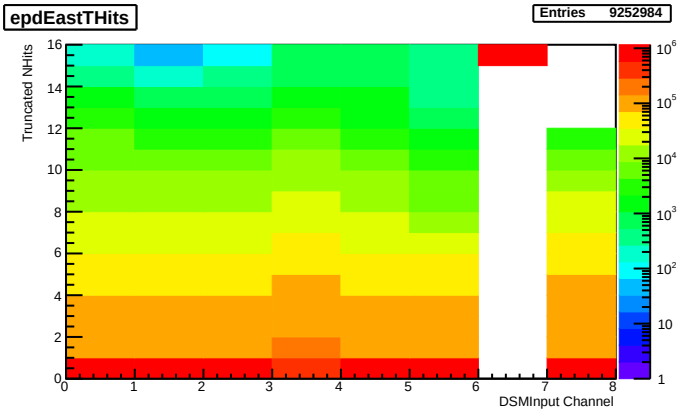
Entries 9252984
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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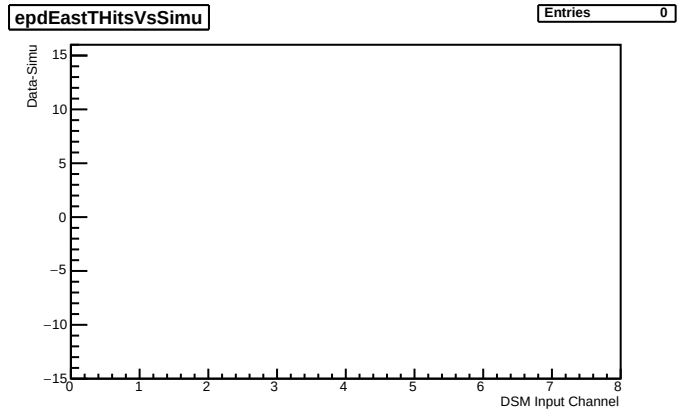
Entries 9252984
Truncated NHits
DSMInput Channel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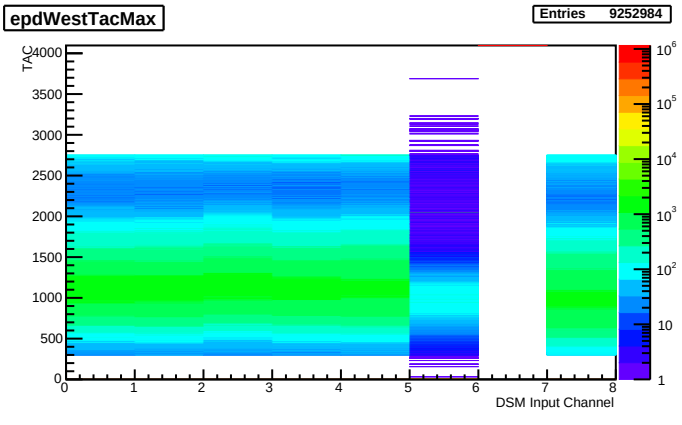
DSM Input Channel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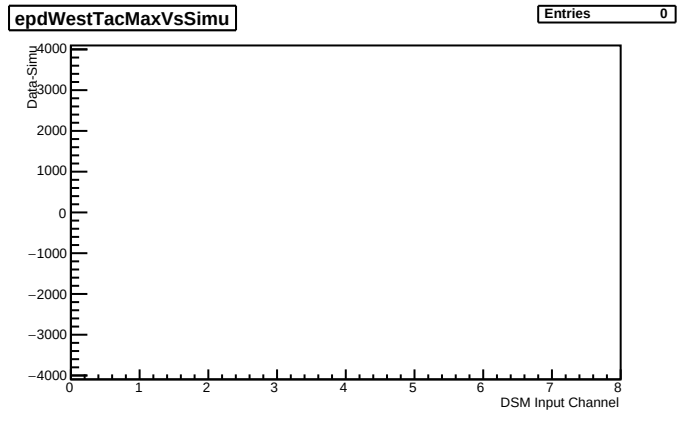
Entries 9252984
TAC
DSM Input Channel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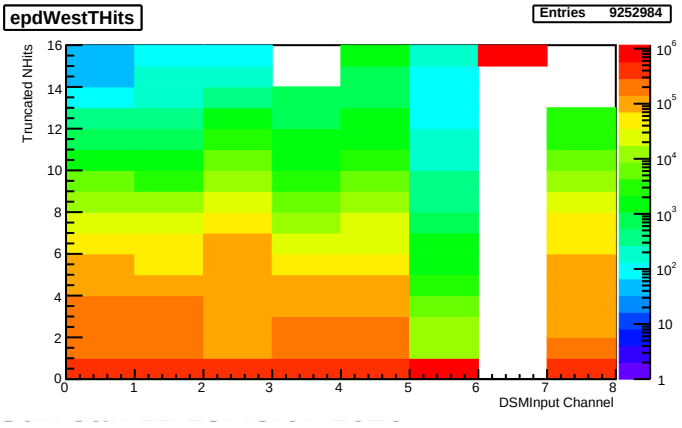
Entries 0
Data-Simu
DSM Input Channel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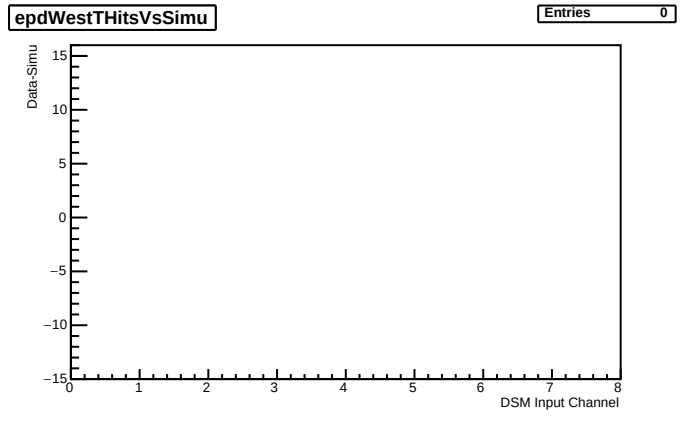
Entries 9252984
Truncated NHits
DSMInput Channel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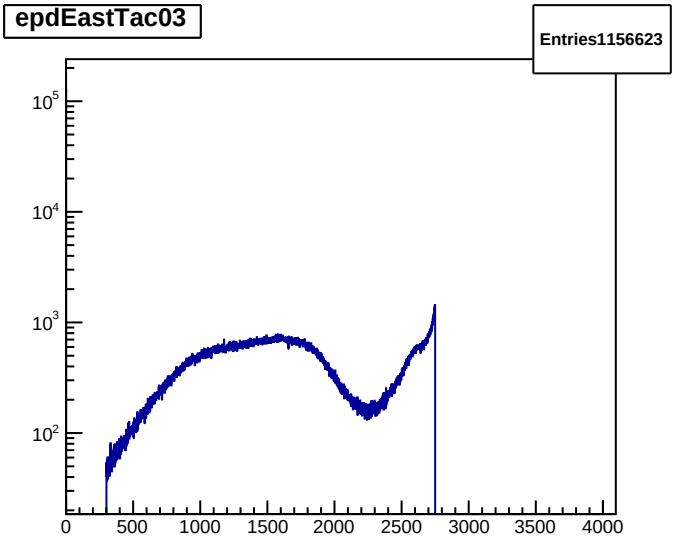
Entries 0
Data-Simu
DSM Input Channel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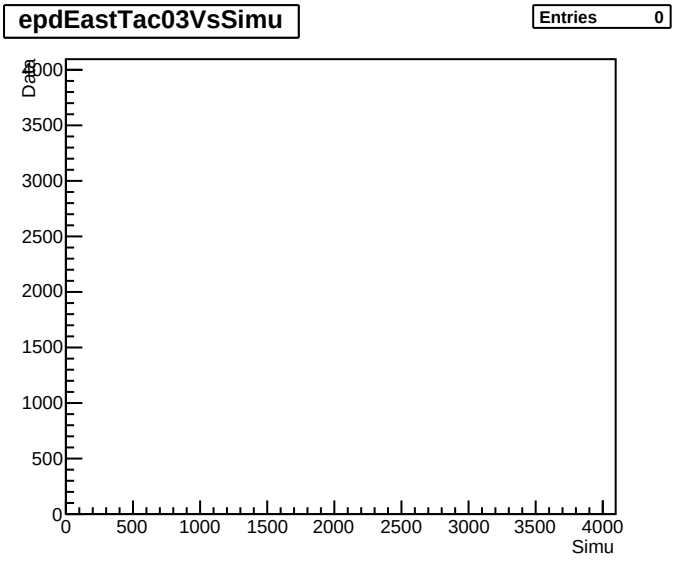
Entries1156623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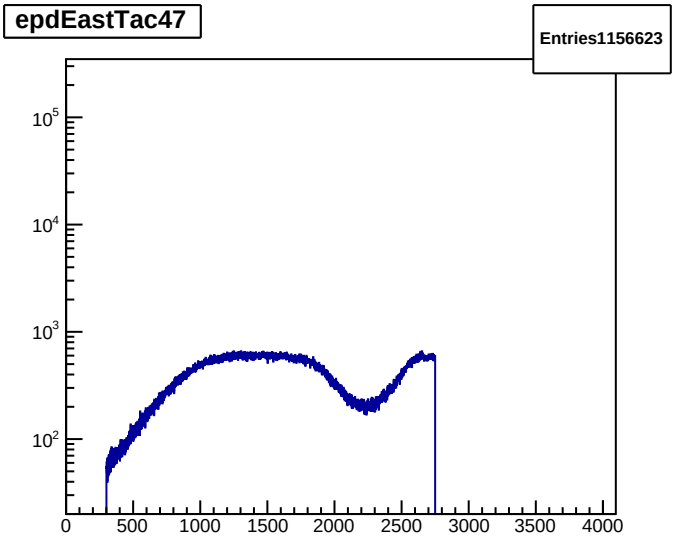
Entries 0
Data
Simu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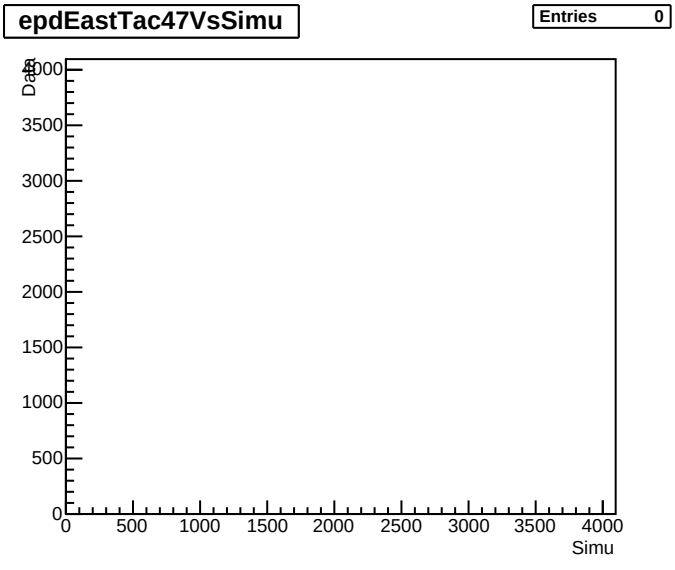
Entries1156623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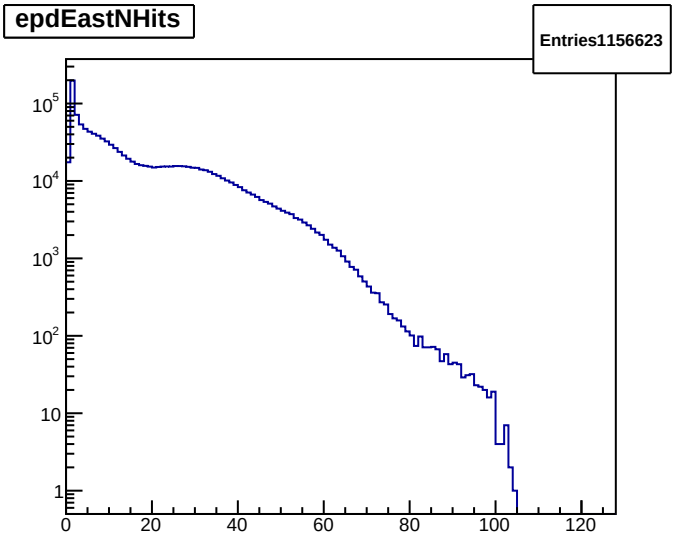
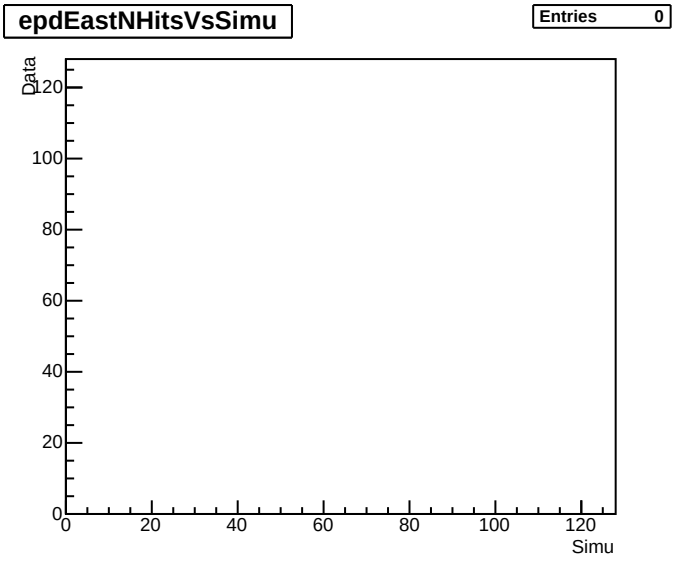
Entries 0
Data
Simu


epdEastNHits
Entries1156623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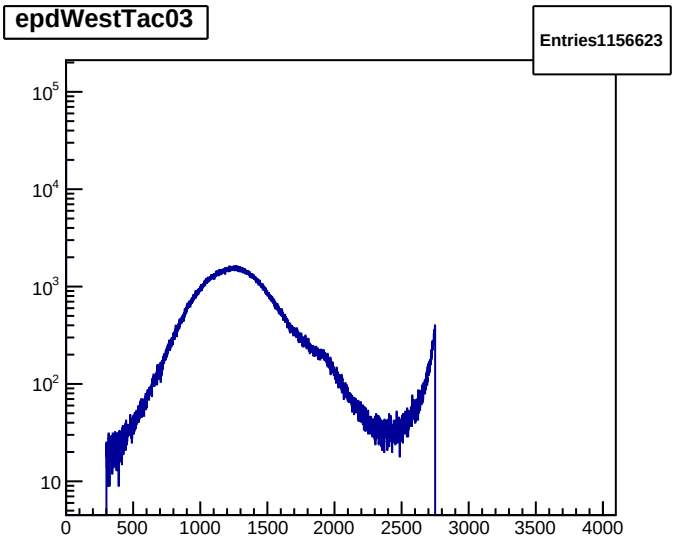
Entries 0
Data
Simu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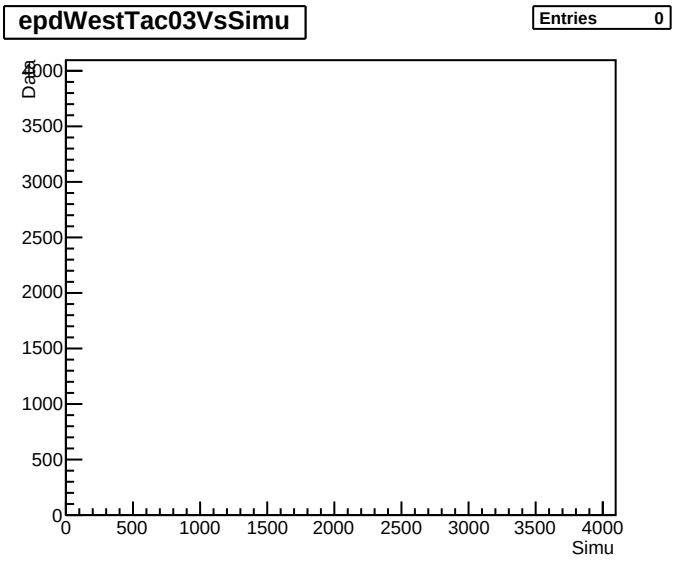
Entries1156623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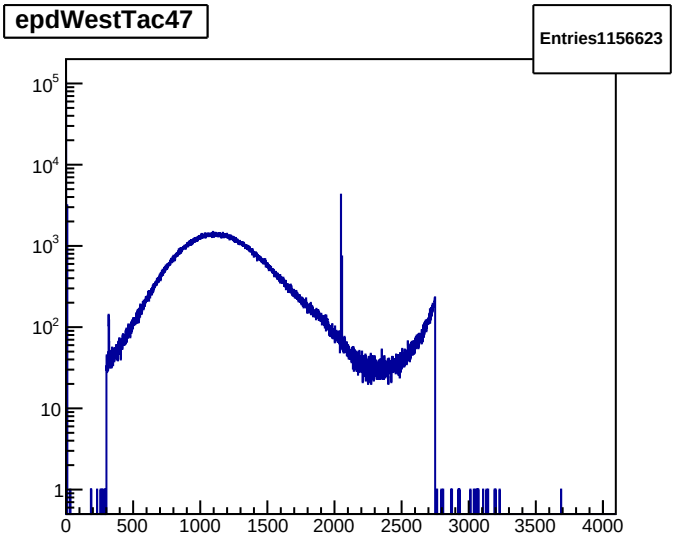
Entries 0
Data
Simu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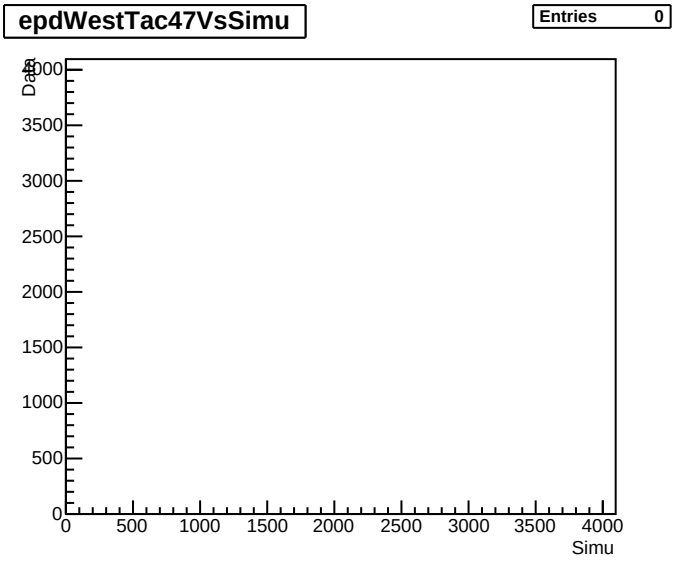
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Data
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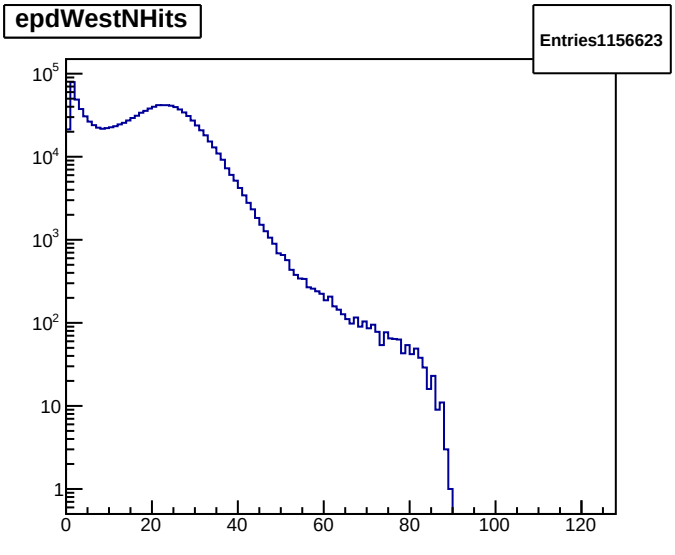
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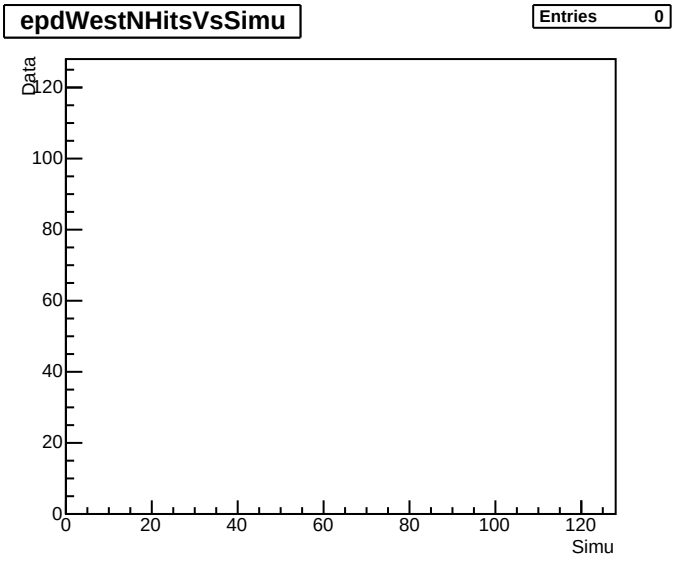
Entries1156623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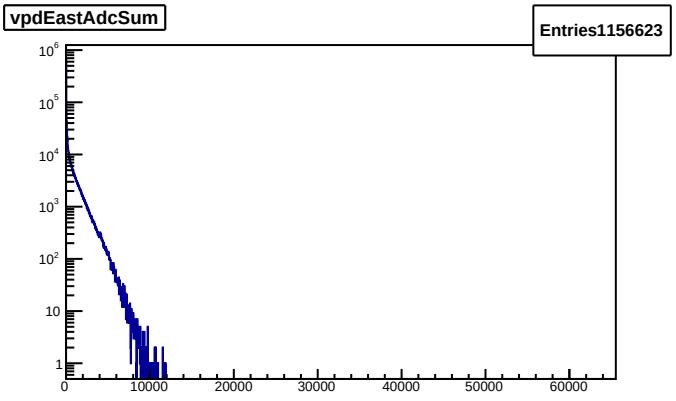
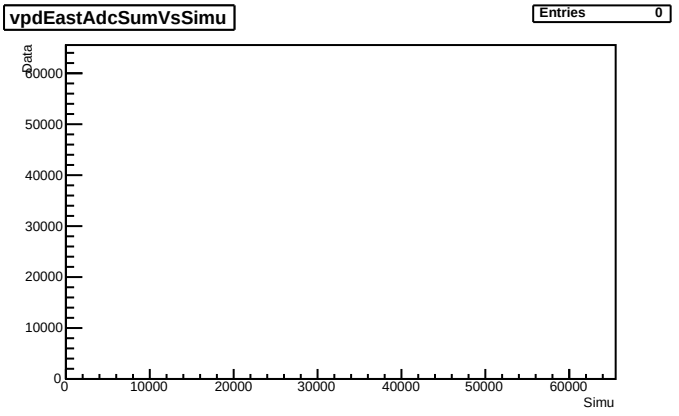
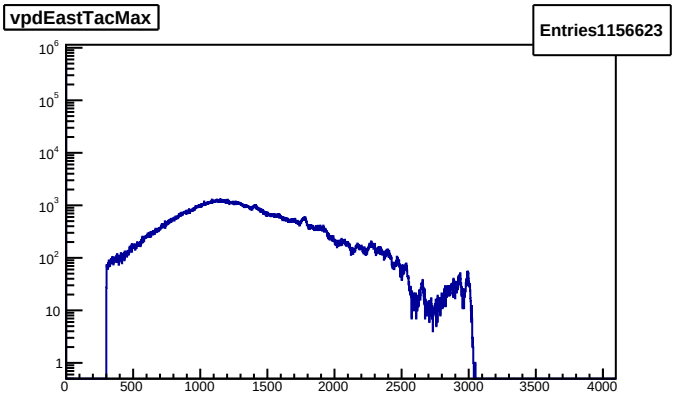
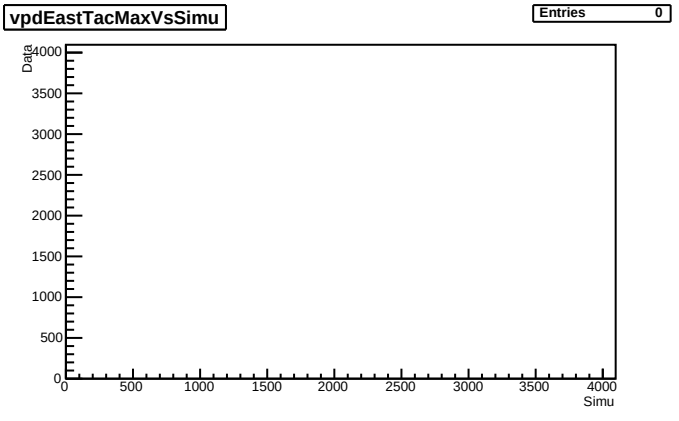
Entries 0
Data
Simu


vpdEastAdcSum
Entries1156623


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries1156623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Entries 0
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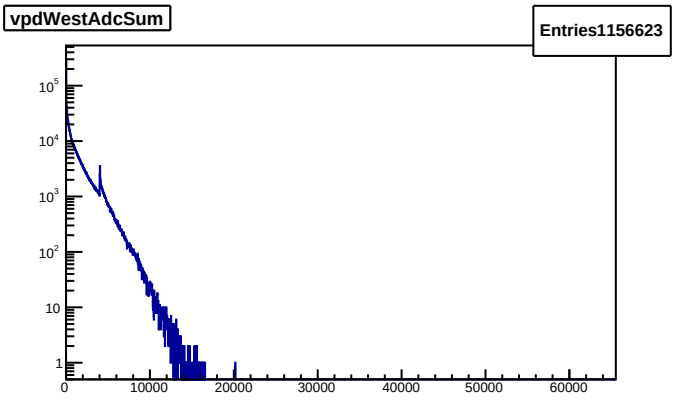
Simu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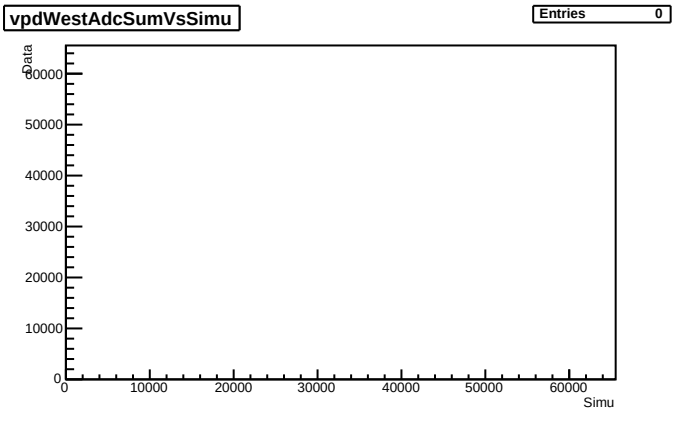
Entries1156623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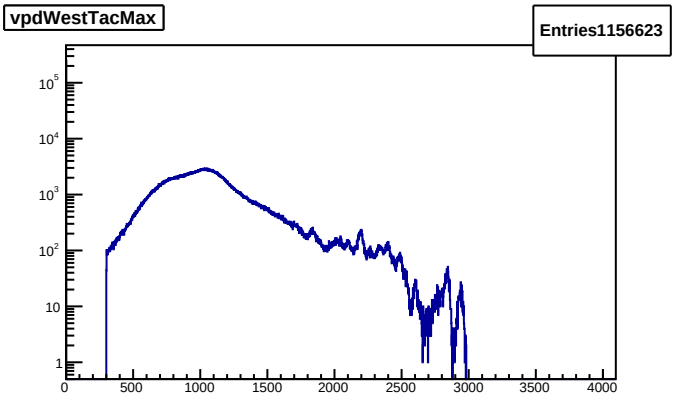
Entries 0
Data
Simu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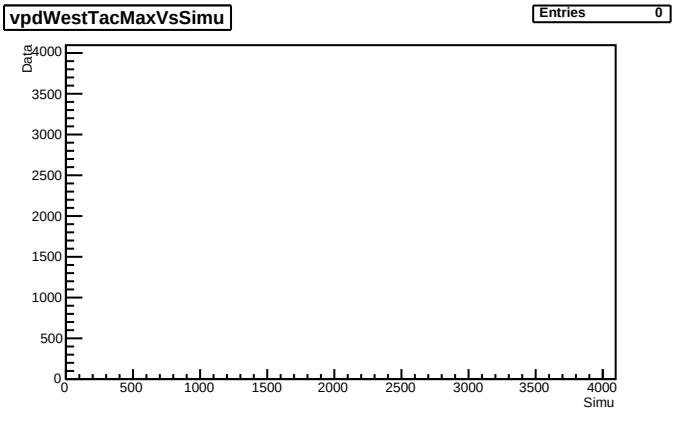
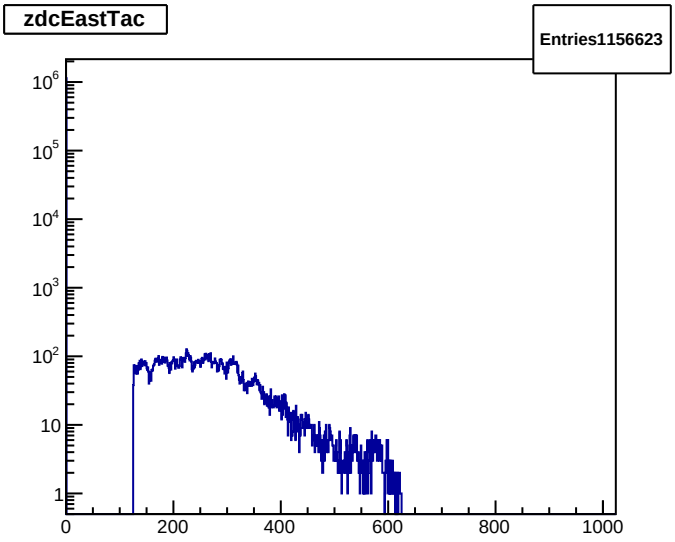
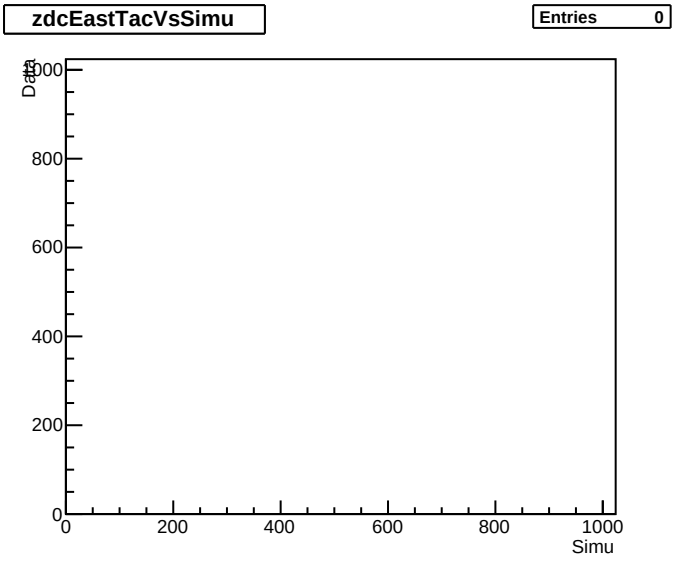
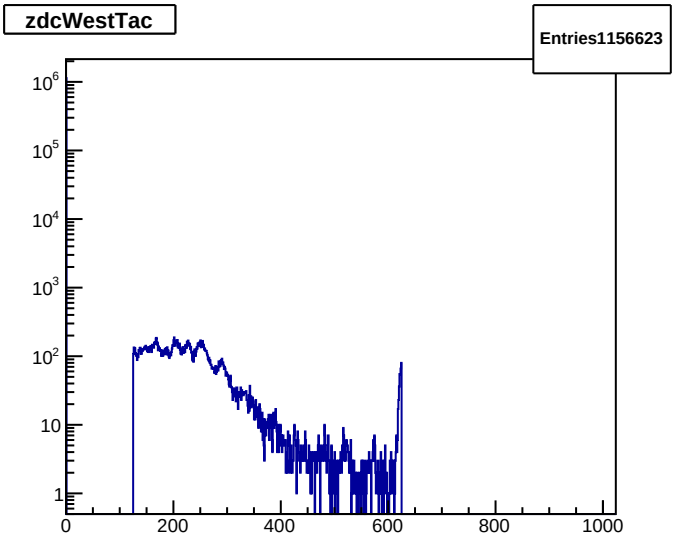
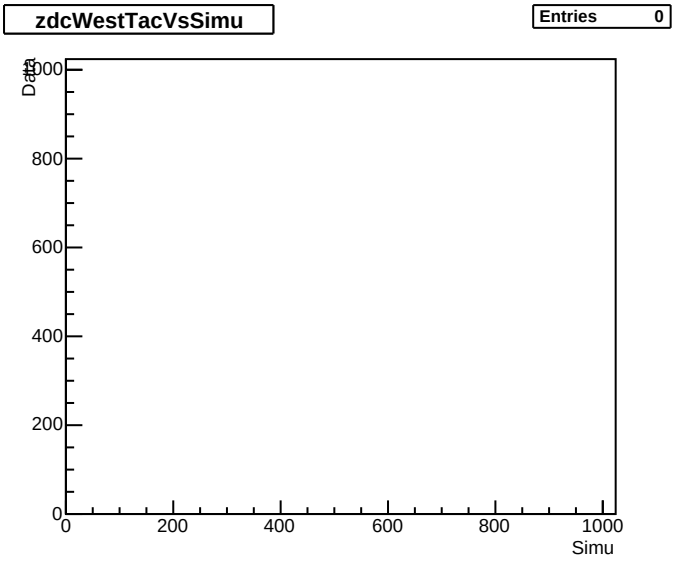
Entries1156623

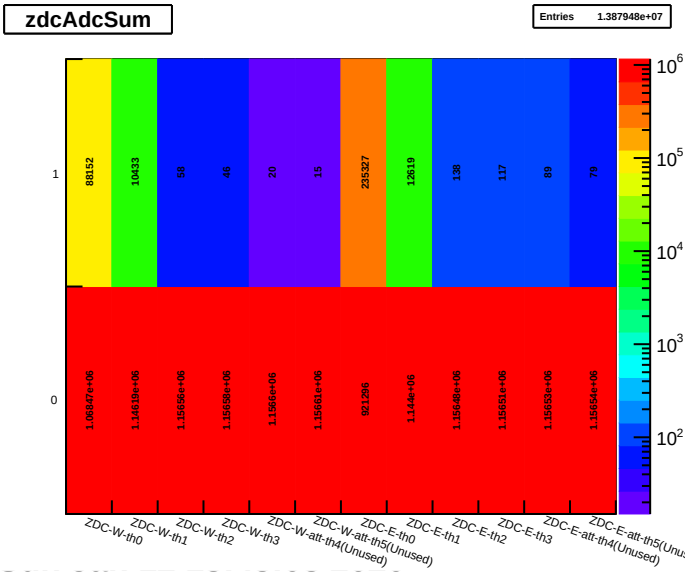

vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries1156623


zdcEastTacVsSimu
Entries 0
Data
Simu


zdcWestTac
Entries1156623


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 1.387948e+07
88152
10433
58
46
20
15
235327
12619
138
117
89
79
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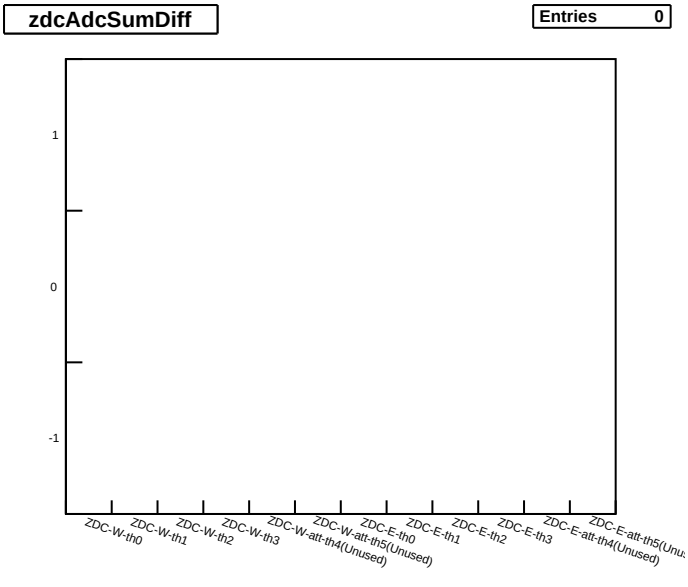
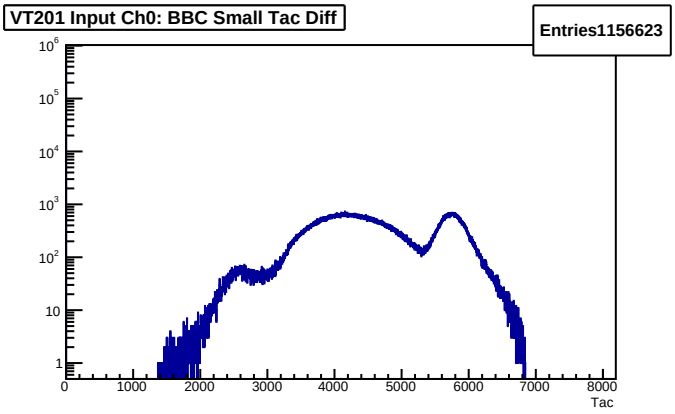
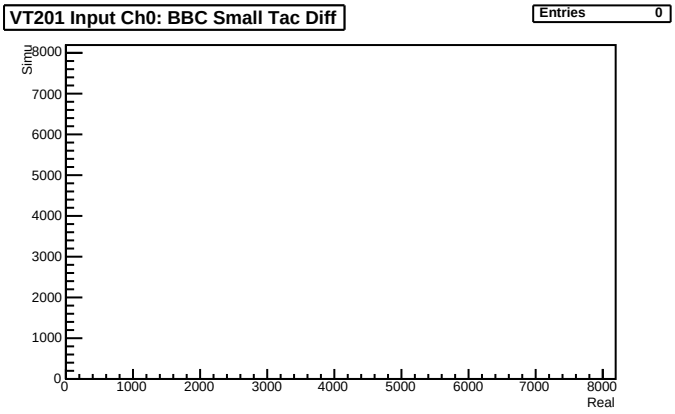
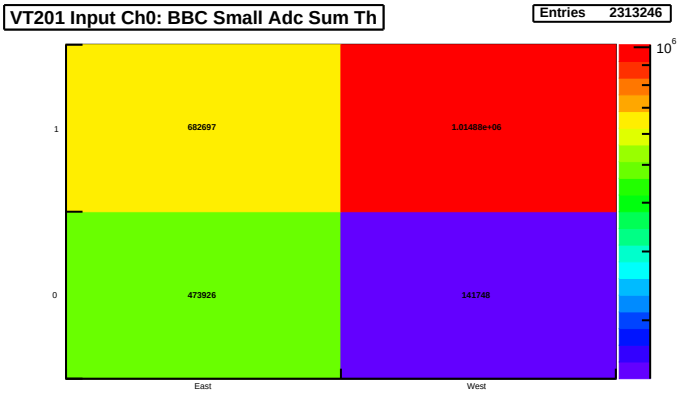
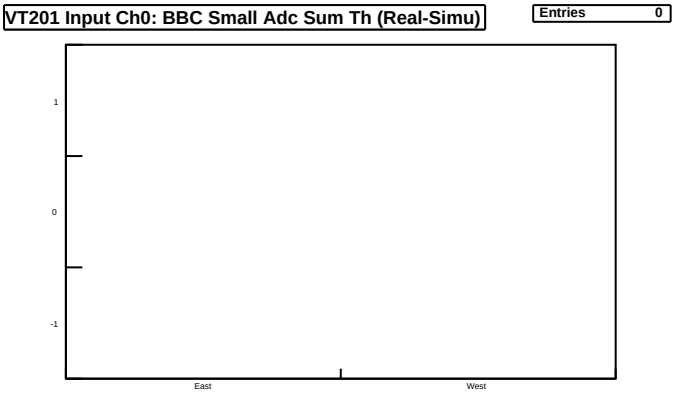
1.14619e+06
1.15656e+06
1.15658e+06
1.15666e+06
1.15661e+06
921296
1.144e+06
1.15648e+06
1.15651e+06
1.15653e+06
1.15654e+06
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

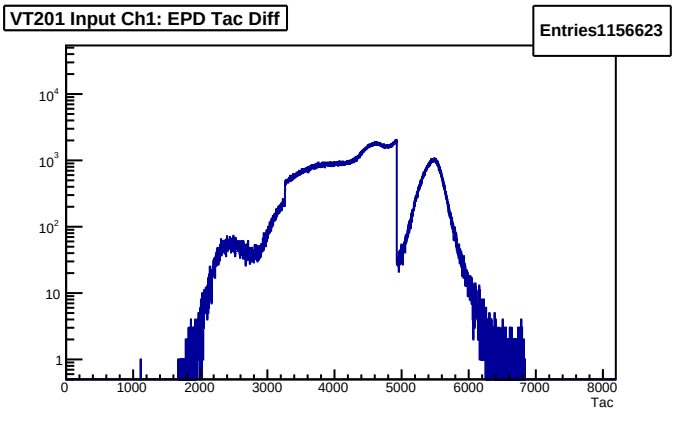

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

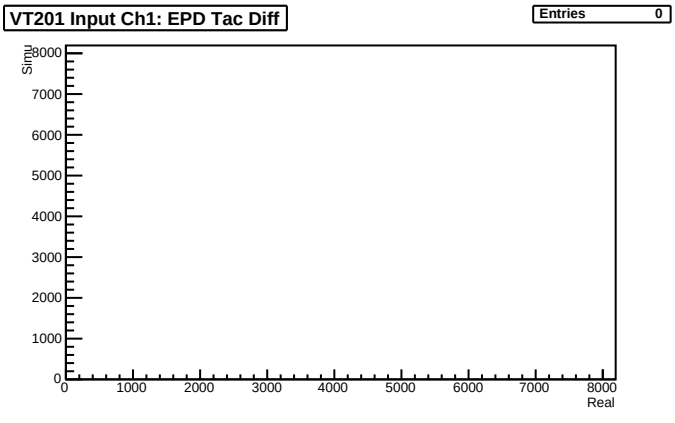

VT201 Input Ch0: BBC Small Tac Diff
Entries1156623
Tac

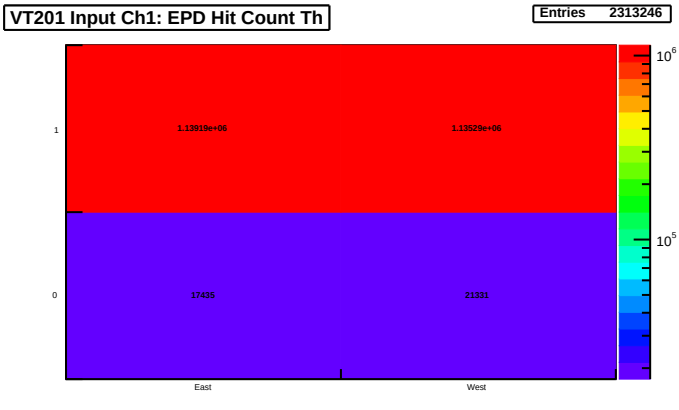

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

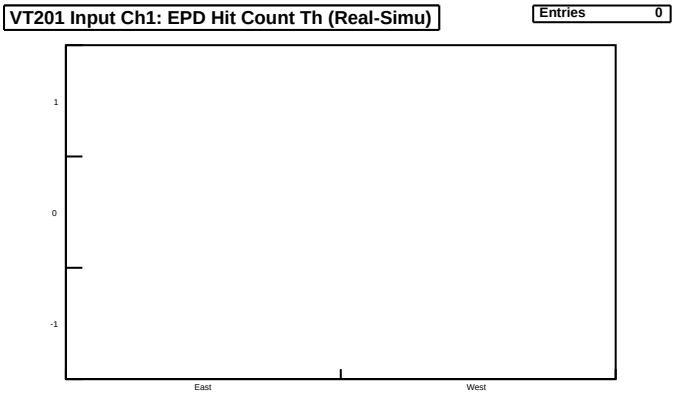

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 2313246
682697
1.01488e+06
473926
141748
East
West

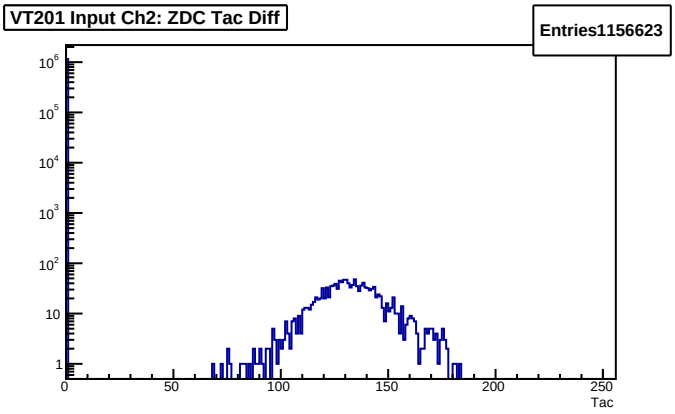

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

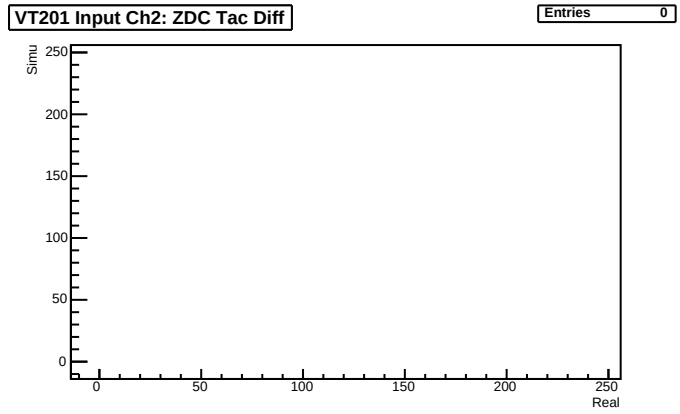

VT201 Input Ch1: EPD Tac Diff
Entries1156623
Tac

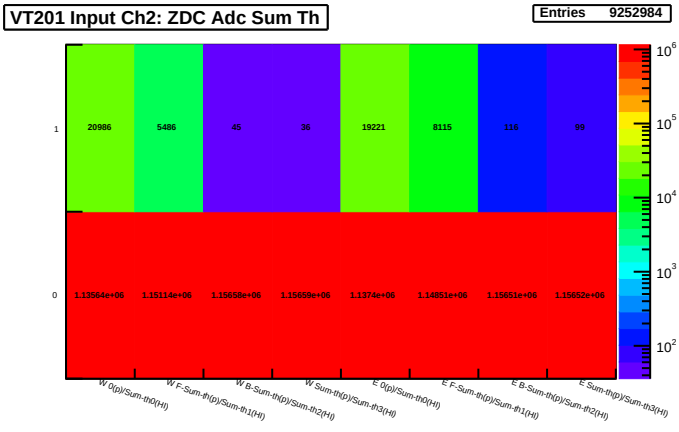

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

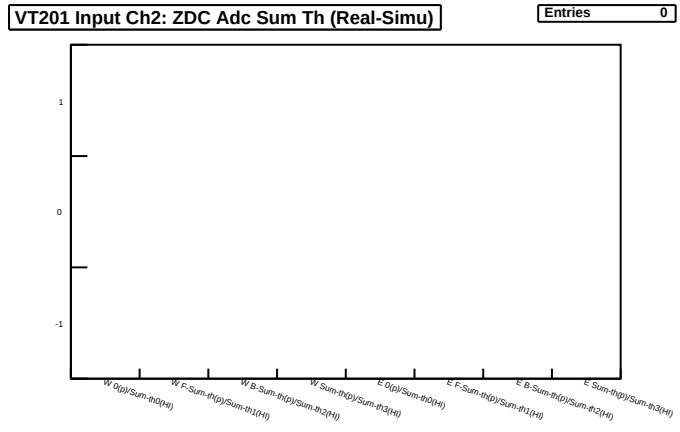

VT201 Input Ch1: EPD Hit Count Th
Entries 2313246
1.13919e+06
1.13529e+06
17435
21331
East
West

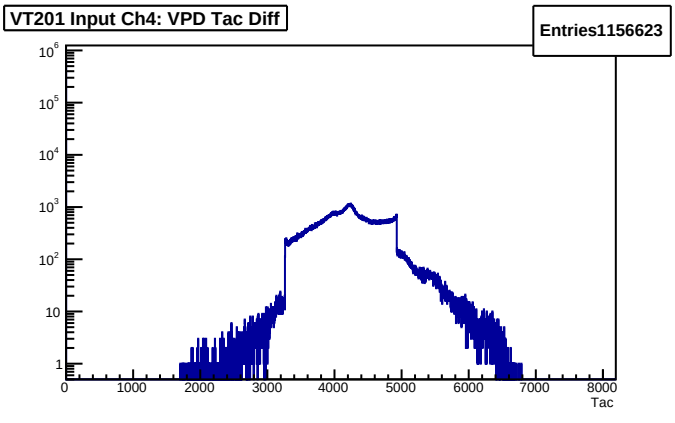

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

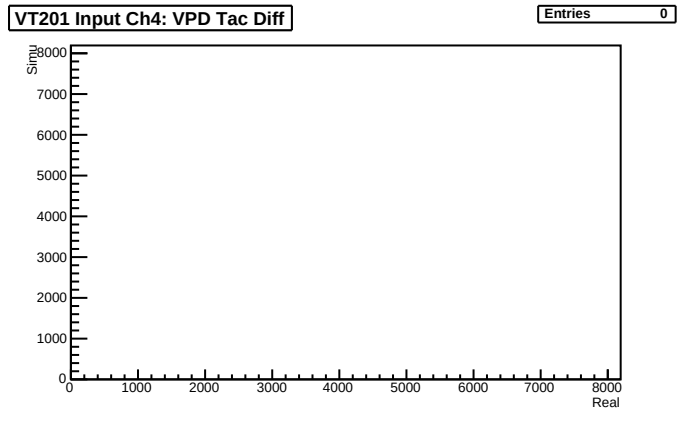

VT201 Input Ch2: ZDC Tac Diff
Entries1156623
Tac

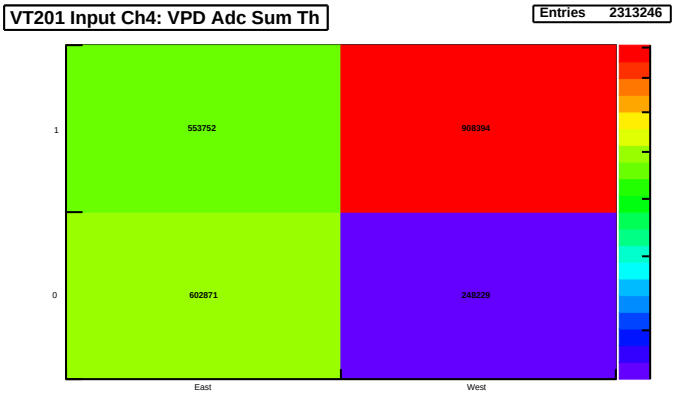

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

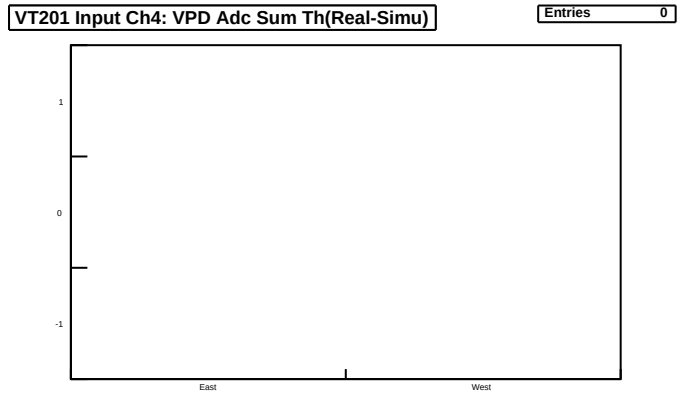

VT201 Input Ch2: ZDC Adc Sum Th
Entries 9252984
20986
5486
45
36
19221
8115
116
99
1.13564e+06
1.15114e+06
1.15658e+06
1.15659e+06
1.1374e+06
1.14851e+06
1.15651e+06
1.15652e+06
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

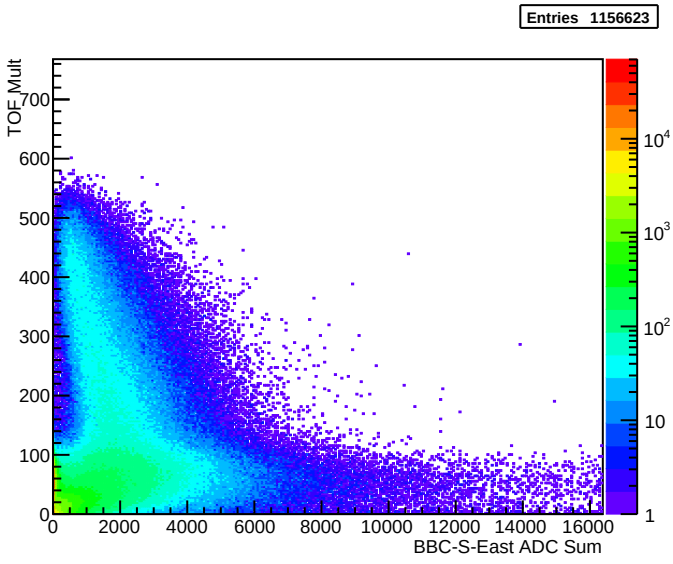

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

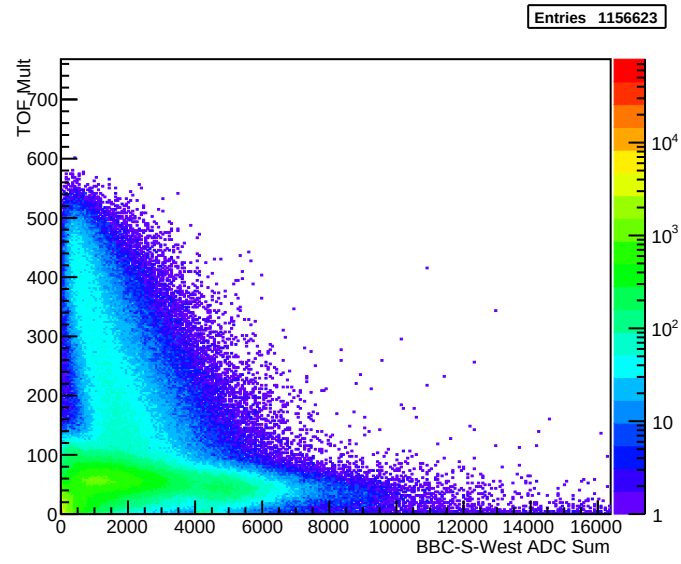

VT201 Input Ch4: VPD Tac Diff
Entries1156623
Tac

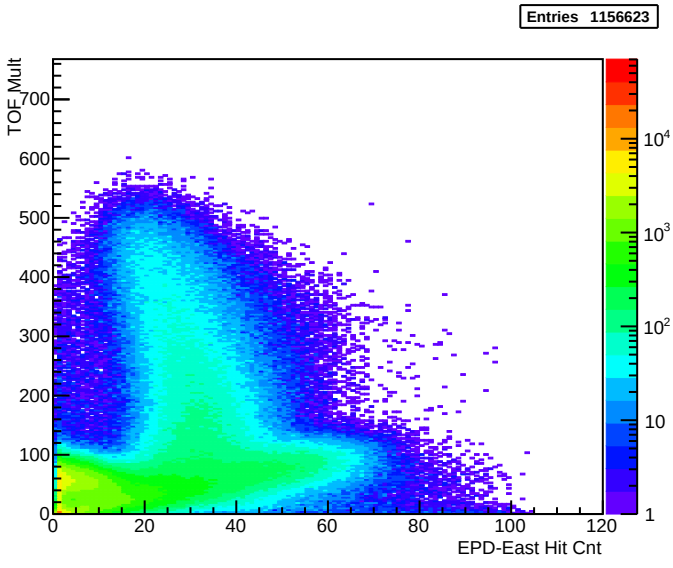

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

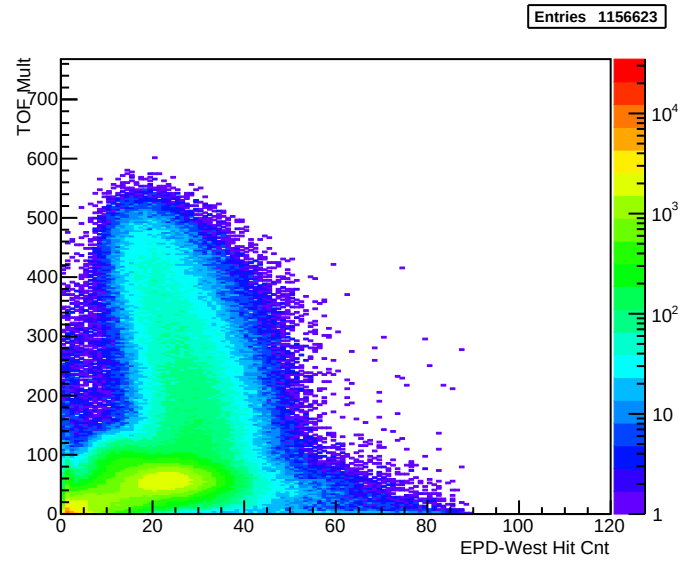

VT201 Input Ch4: VPD Adc Sum Th
Entries 2313246
553752
908394
602871
248229
East
West

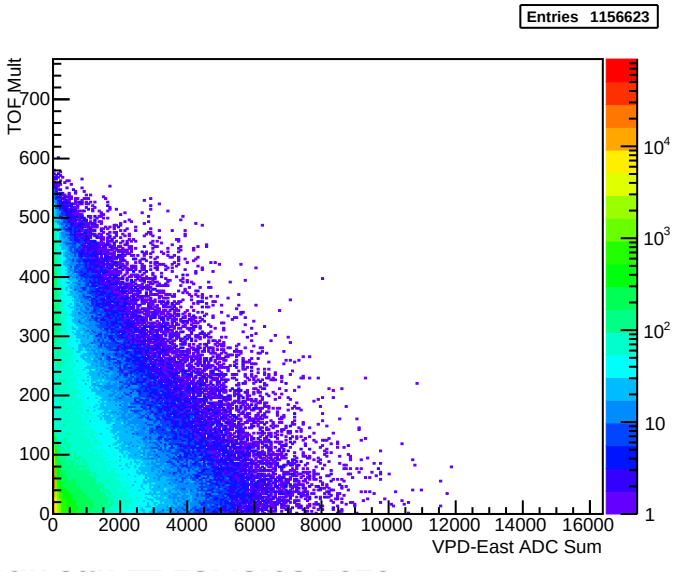

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

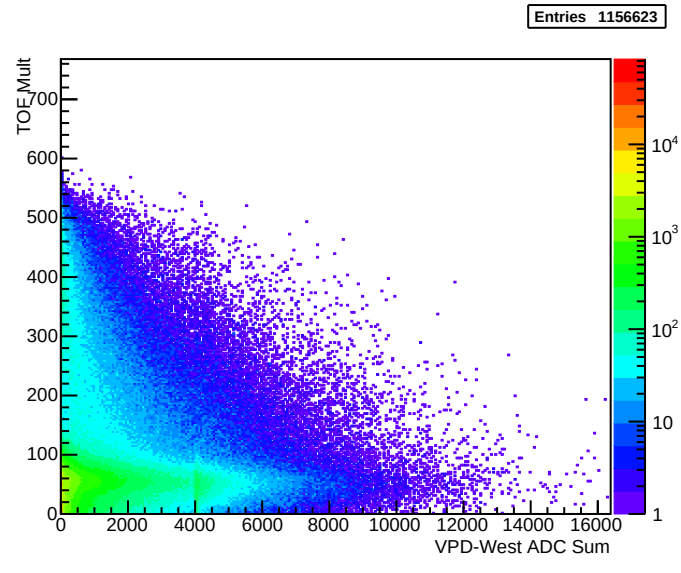

Entries 1156623
TOF_Mult
BBC-S-East ADC Sum

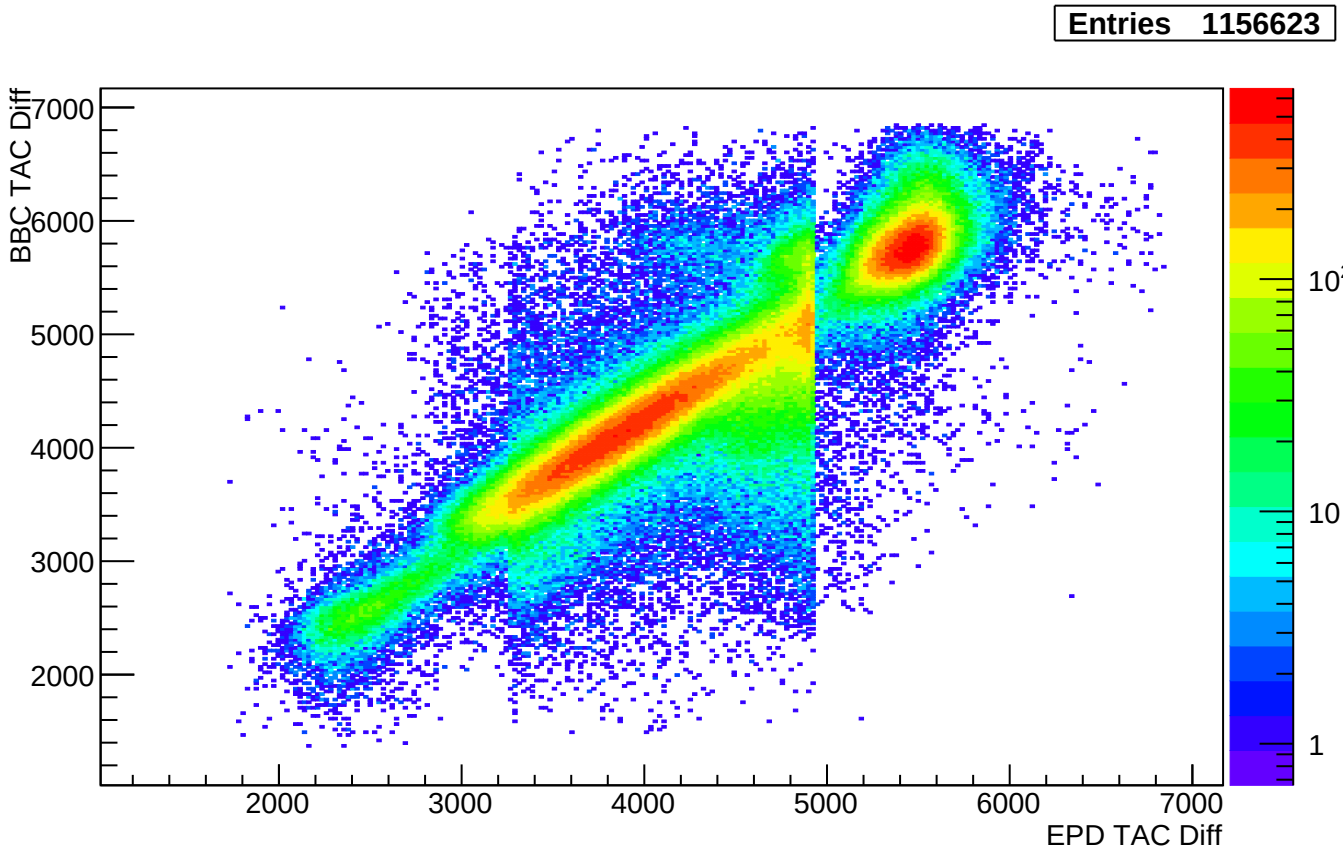

Entries 1156623
TOF_Mult
BBC-S-West ADC Sum

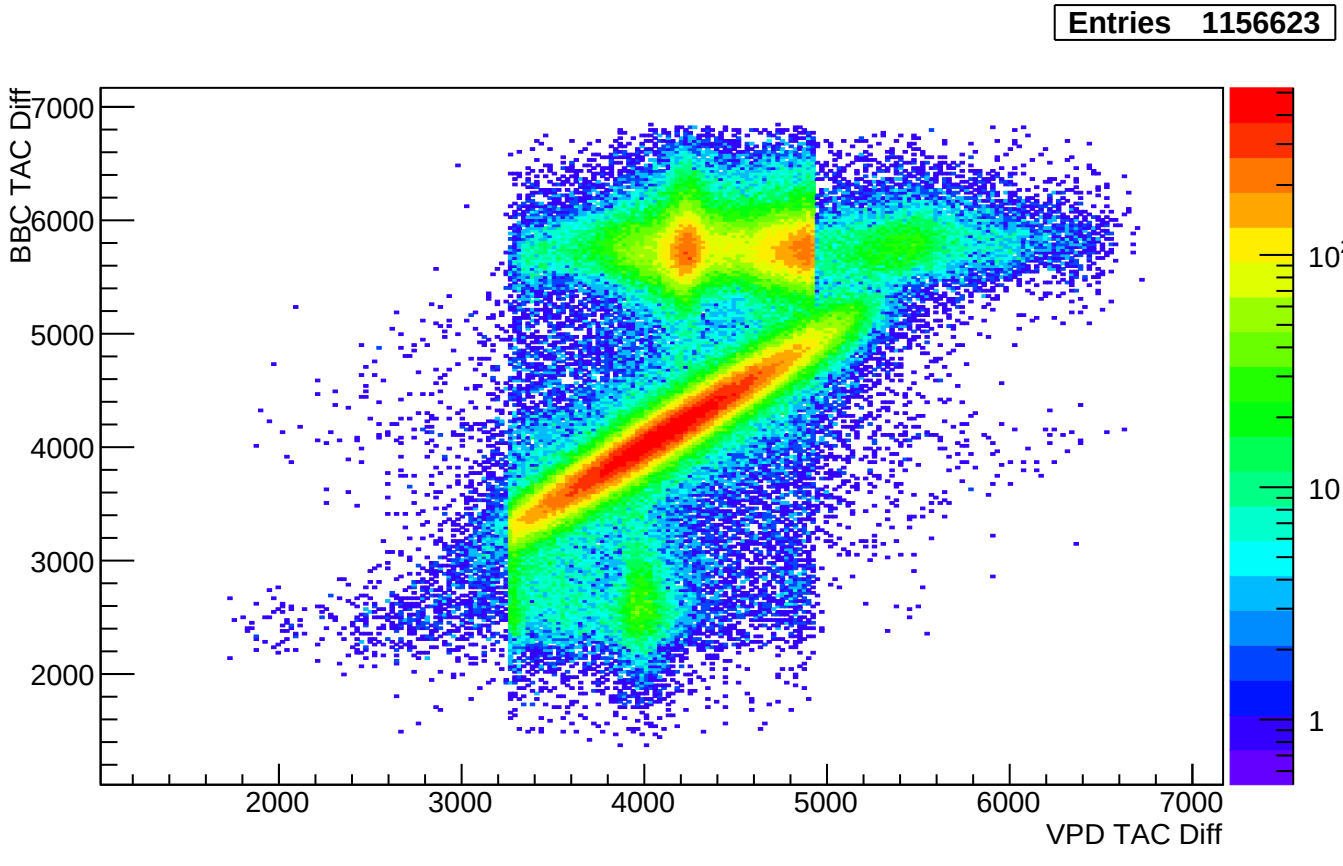

Entries 1156623
TOF_Mult
EPD-East Hit Cnt

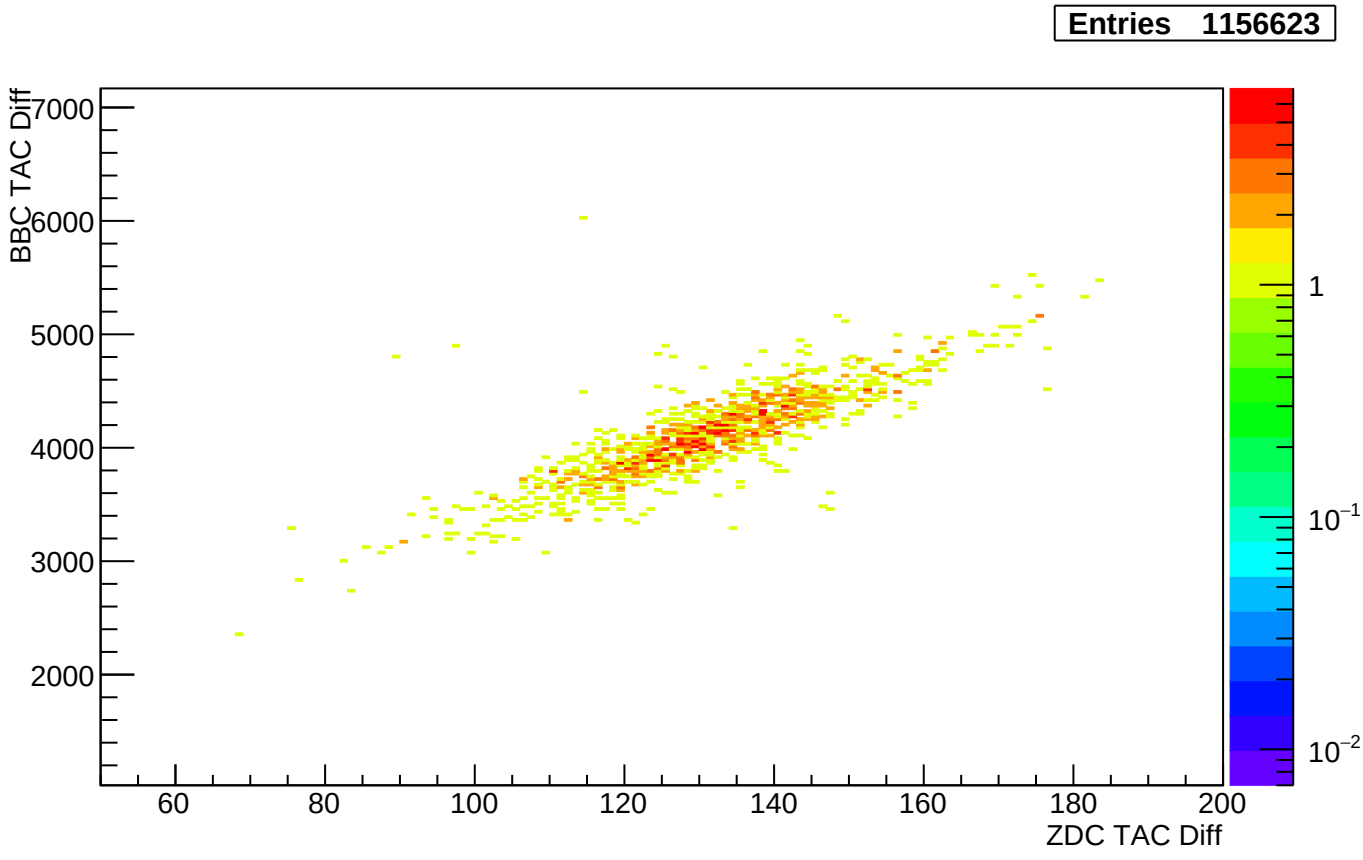

Entries 1156623
TOF_Mult
EPD-West Hit Cnt

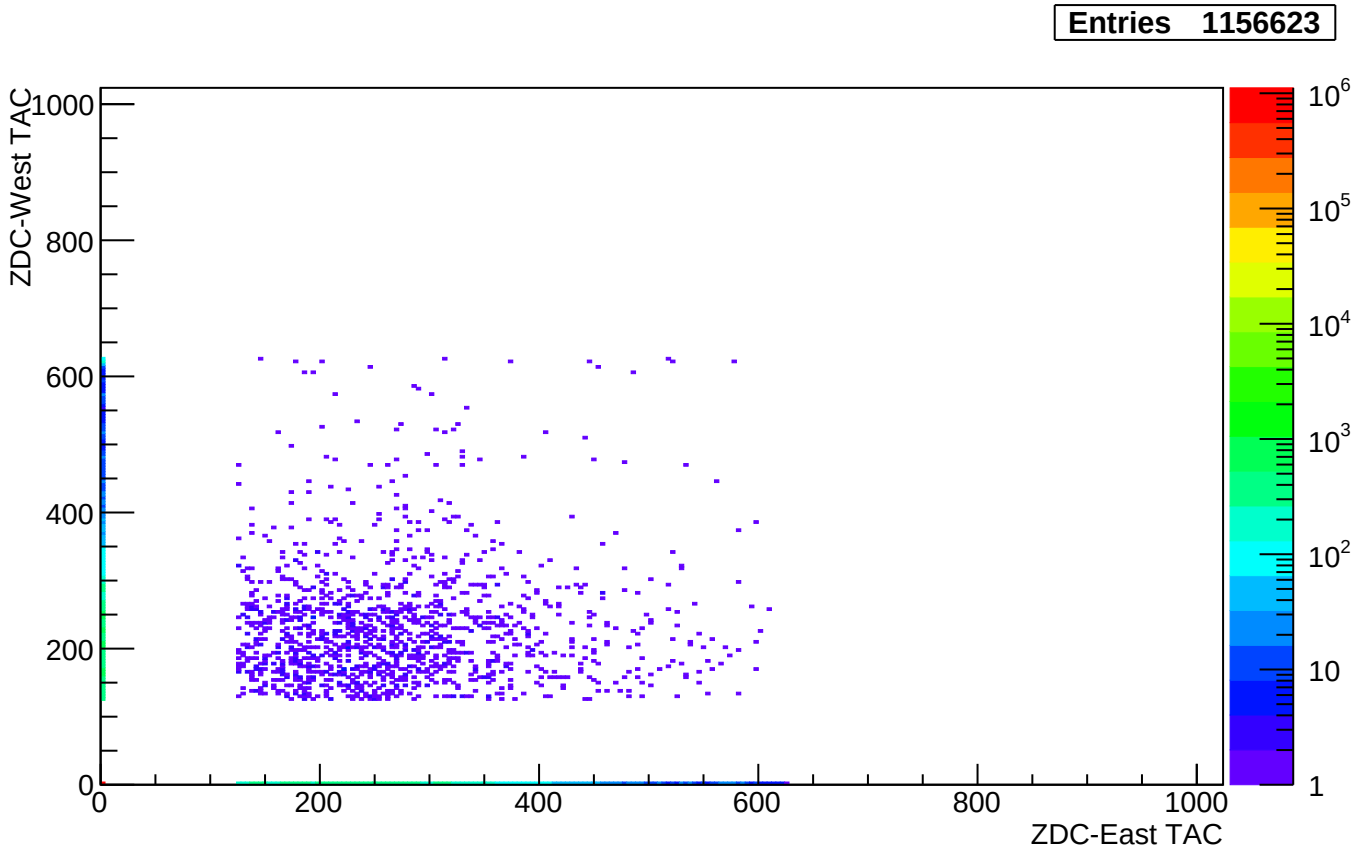

Entries 1156623
TOF_Mult
VPD-East ADC Sum

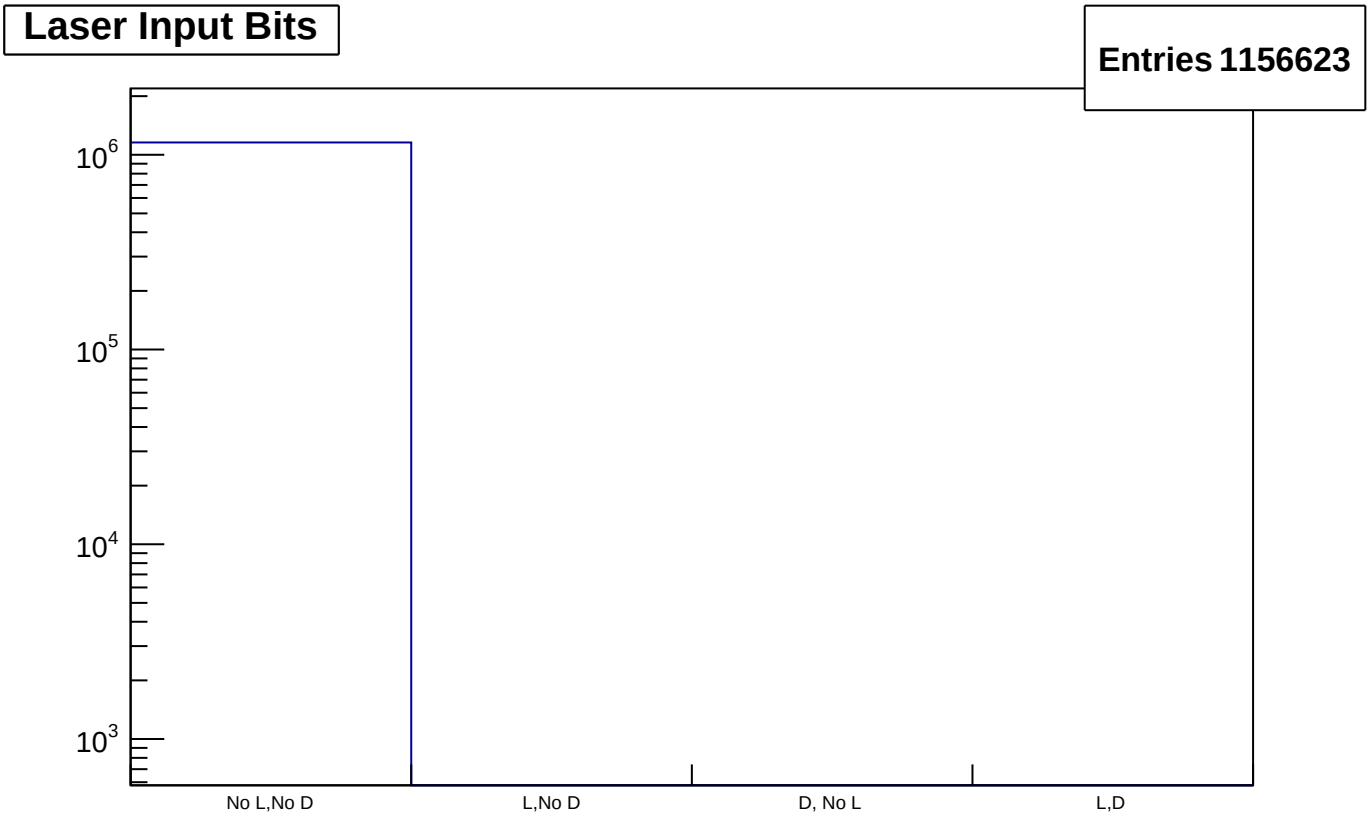

Entries 1156623
TOF_Mult
VPD-West ADC Sum

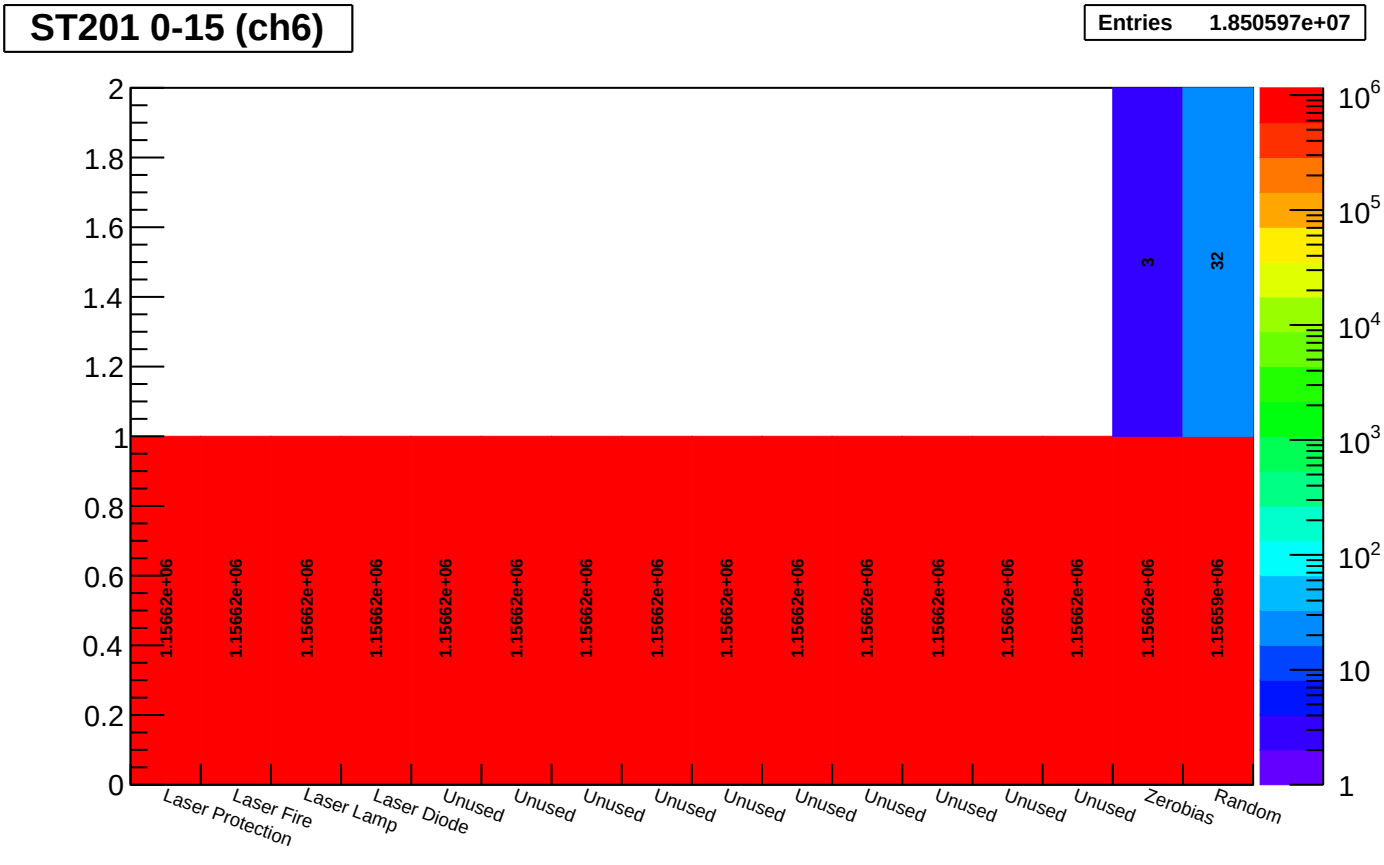

Entries 1156623
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

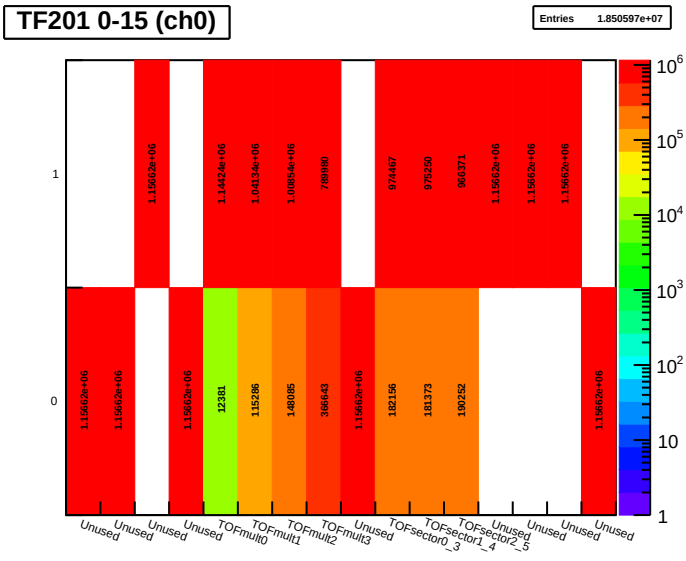

Entries 1156623
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

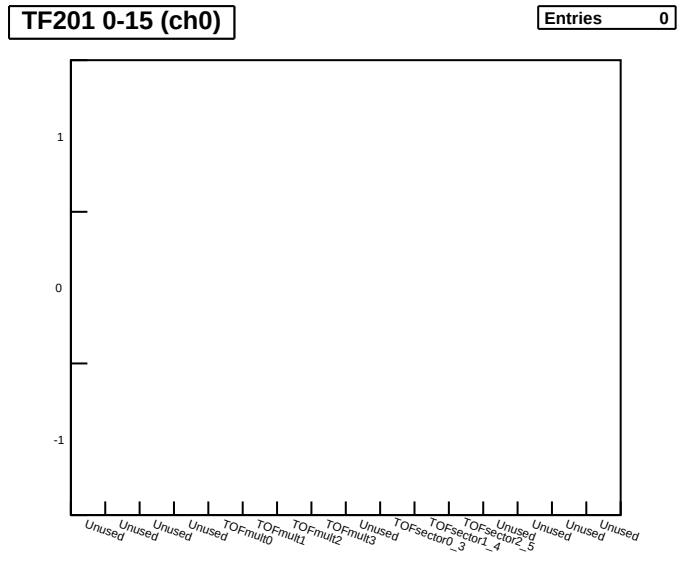

Entries 1156623
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

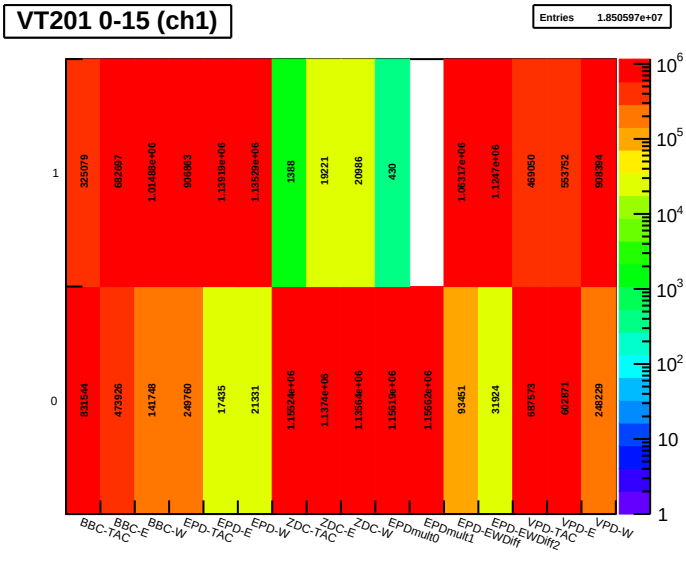

Entries 1156623
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^6
10^5
10^4
10^3
10^2
10
1

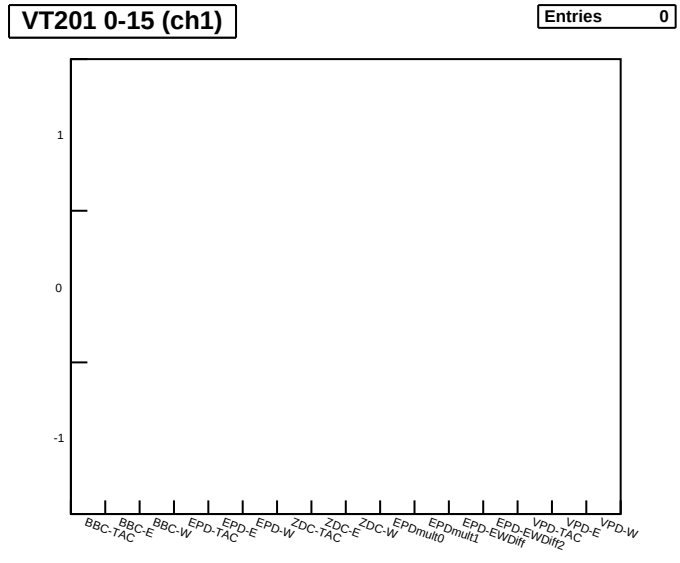

Laser Input Bits
Entries 1156623
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

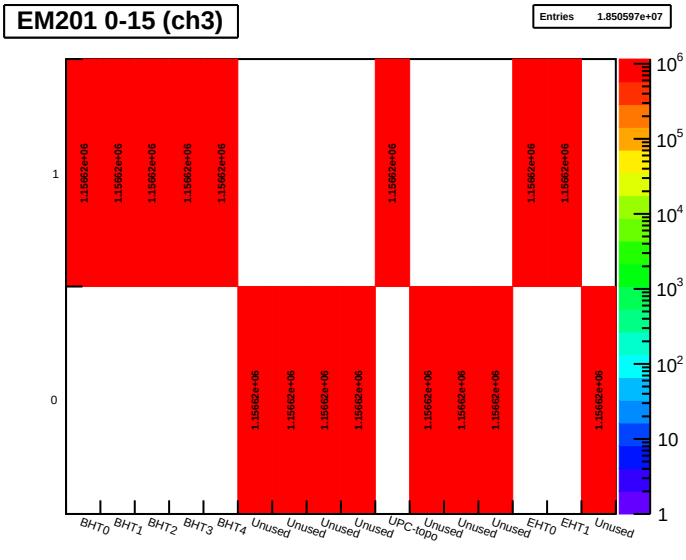

ST201 0-15 (ch6)
Entries 1.850597e+07
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
1.15662e+06
1.15659e+06
3
32
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random
10^6
10^5
10^4
10^3
10^2
10
1

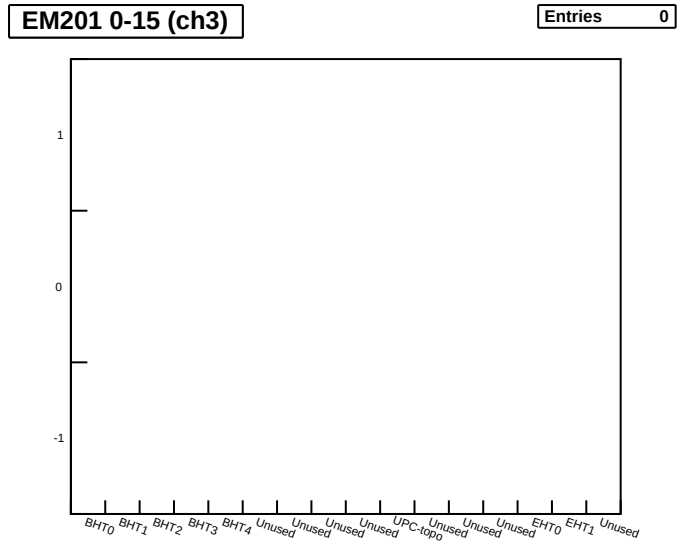

TF201 0-15 (ch0)
Entries 1.850597e+07
1.15662e+06
1.14424e+06
1.04134e+06
1.00854e+06
789980
974467
975259
966371
12361
115286
148085
366643
182156
181373
190252
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5


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


VT201 0-15 (ch1)
Entries 1.850597e+07
325079
682897
1.01488e+06
906863
1.13919e+06
1.13529e+06
1388
19221
20986
430
1.06317e+06
1.1247e+06
469050
553752
908394
831544
473926
141748
249760
17435
21331
1.15524e+06
1.1374e+06
1.13564e+06
1.15619e+06
1.15662e+06
93451
31924
687573
602871
248229
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 1.850597e+07
1.15662e+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