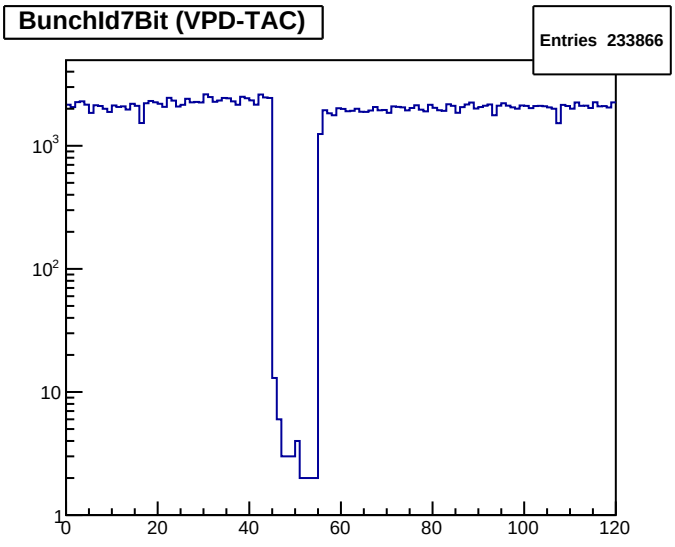
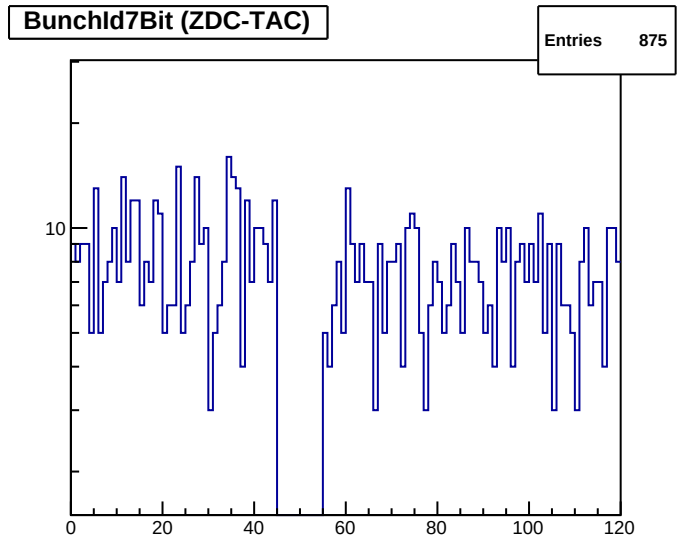
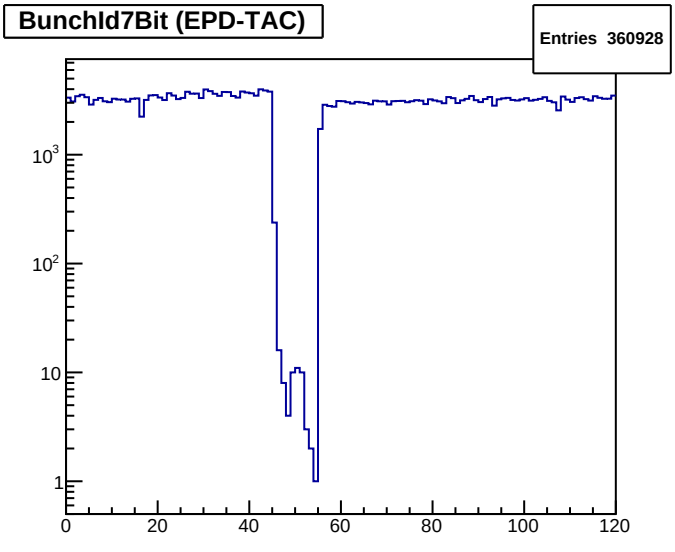
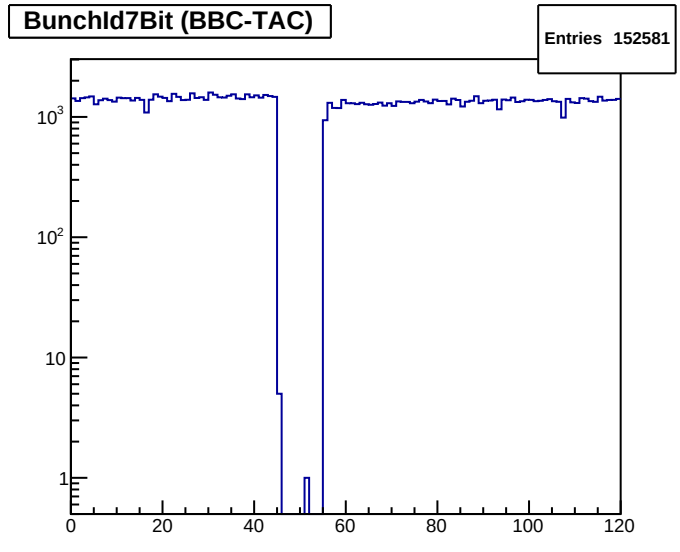
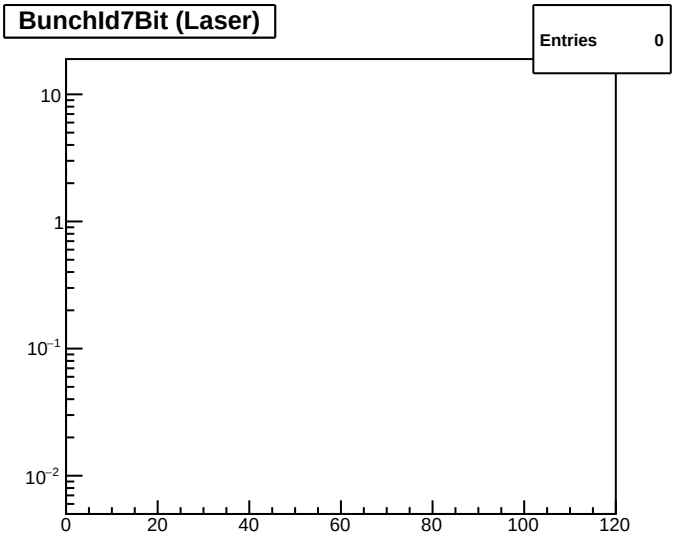
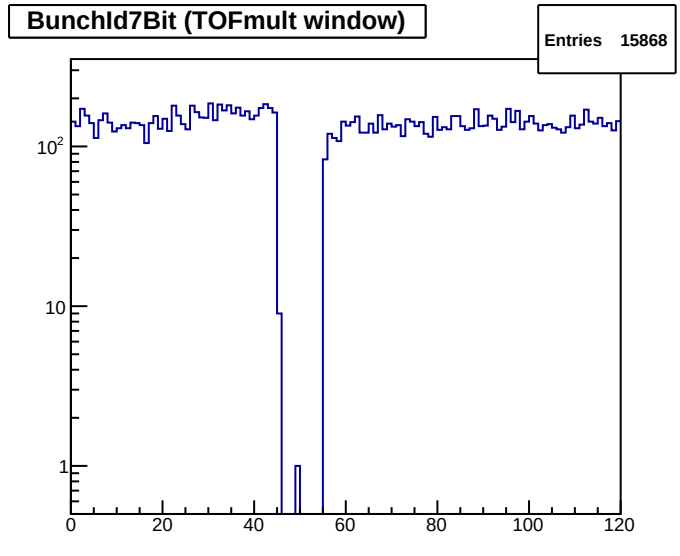

BunchId7Bit (VPD-TAC)
Entries 233866

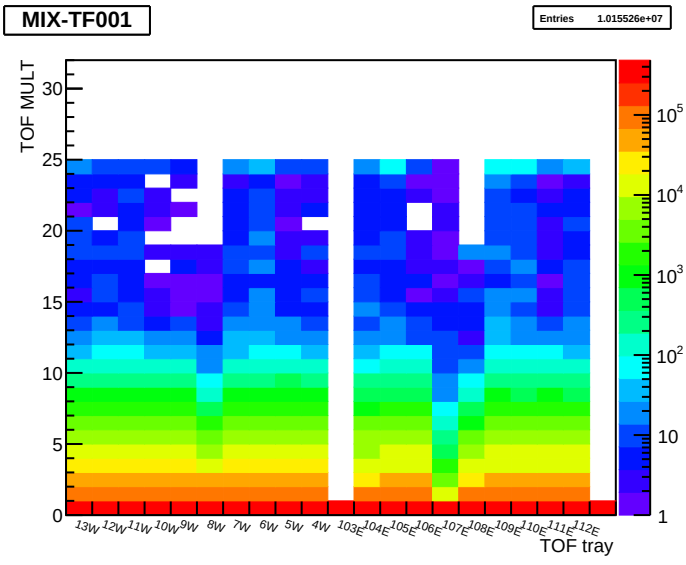

BunchId7Bit (ZDC-TAC)
Entries 875

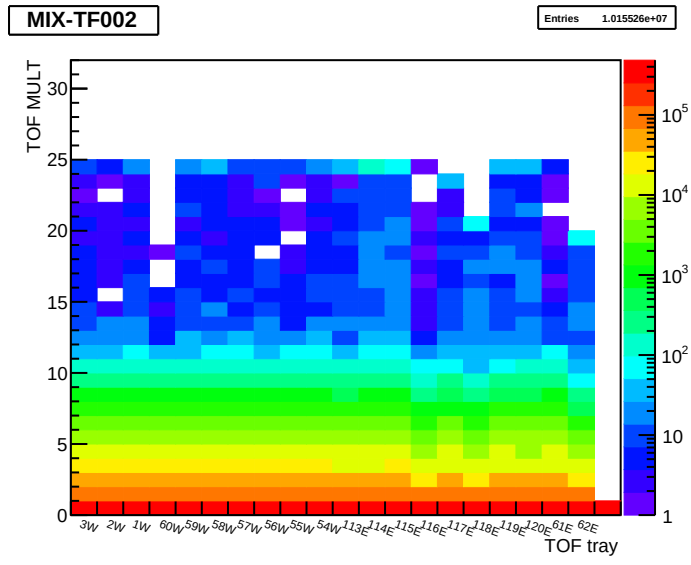

BunchId7Bit (EPD-TAC)
Entries 360928

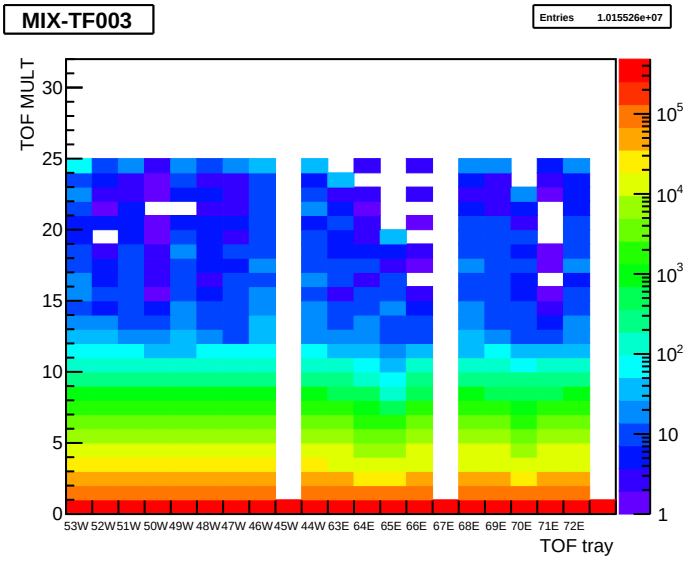

BunchId7Bit (BBC-TAC)
Entries 152581

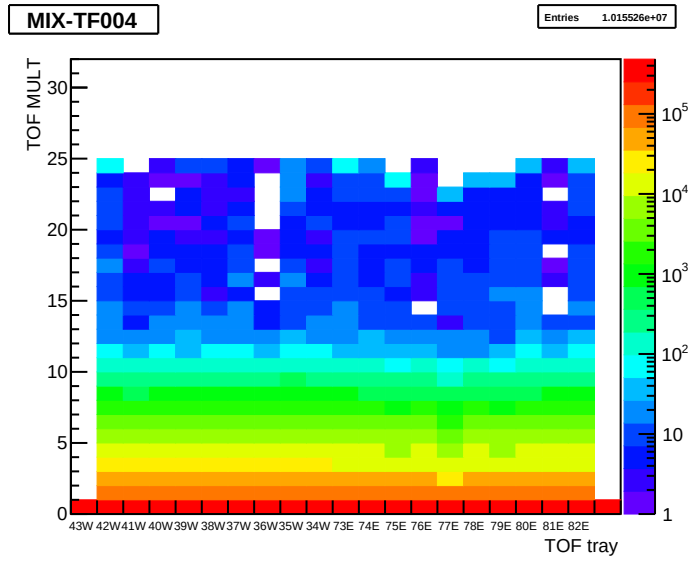

BunchId7Bit (Laser)
Entries 0

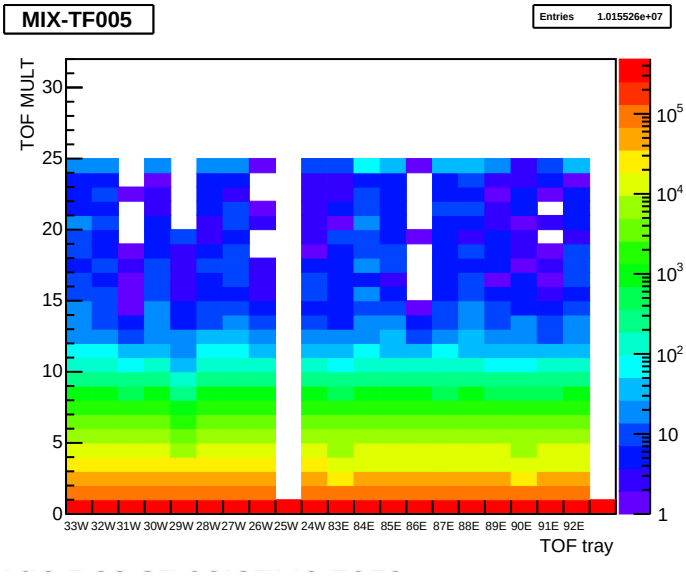

BunchId7Bit (TOFmult window)
Entries 15868

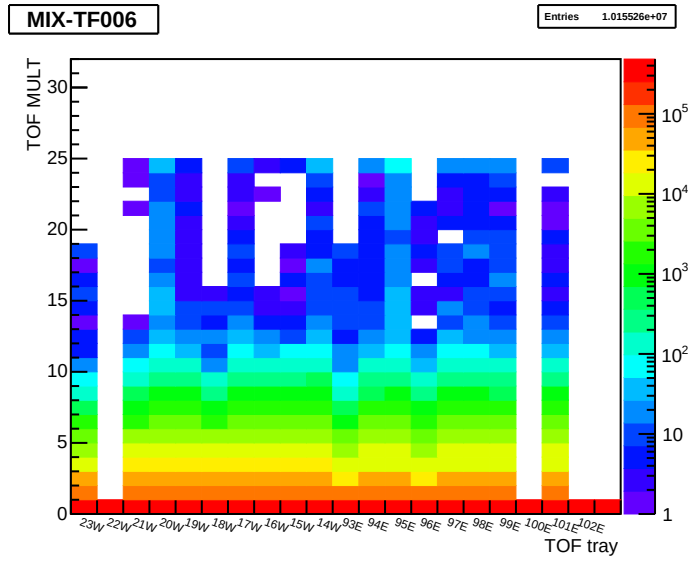

MIX-TF001
Entries 1.015526e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

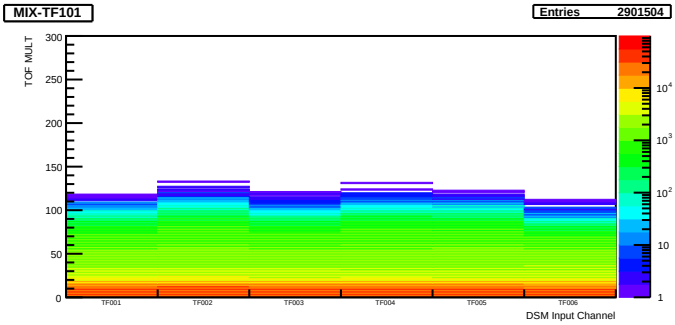

MIX-TF002
Entries 1.015526e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

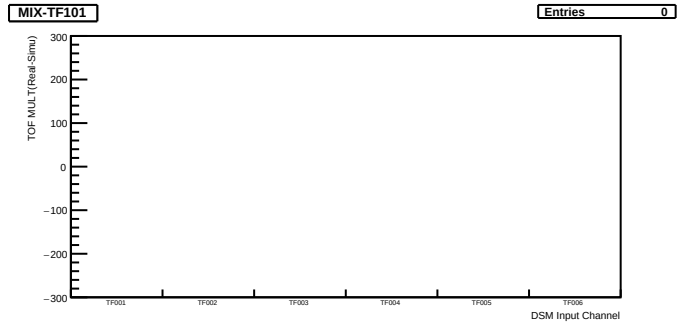

MIX-TF003
Entries 1.015526e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

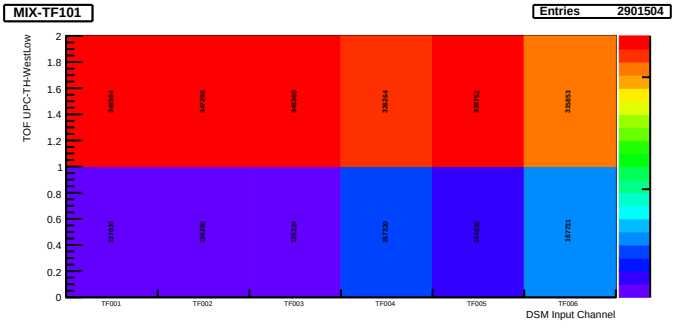

MIX-TF004
Entries 1.015526e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

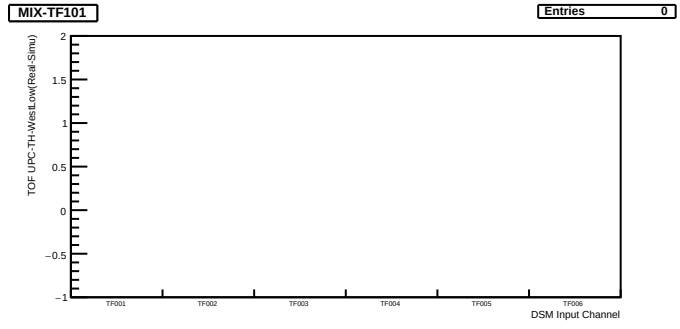

MIX-TF005
Entries 1.015526e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

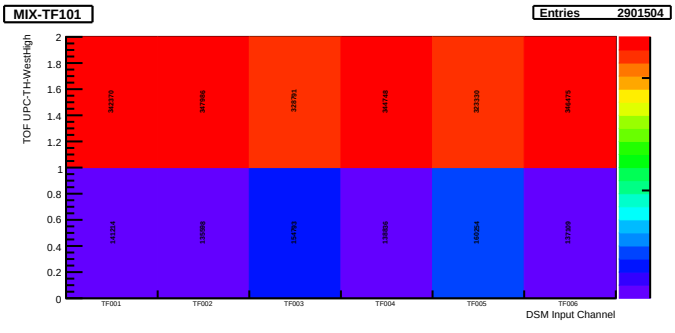

MIX-TF006
Entries 1.015526e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

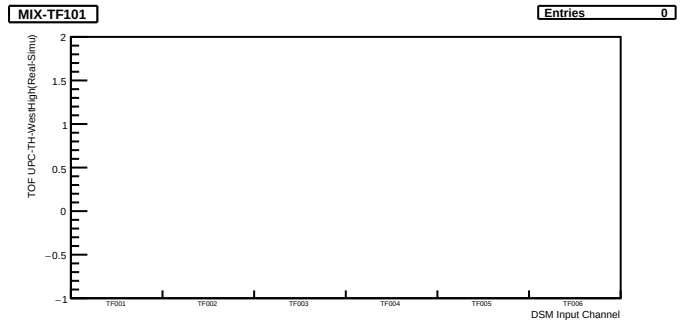

MIX-TF101
Entries 2901504
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

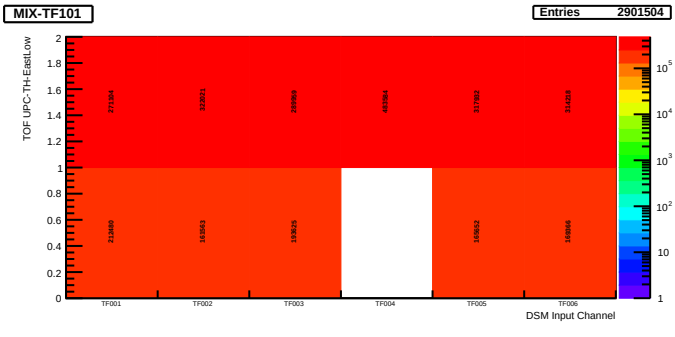

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

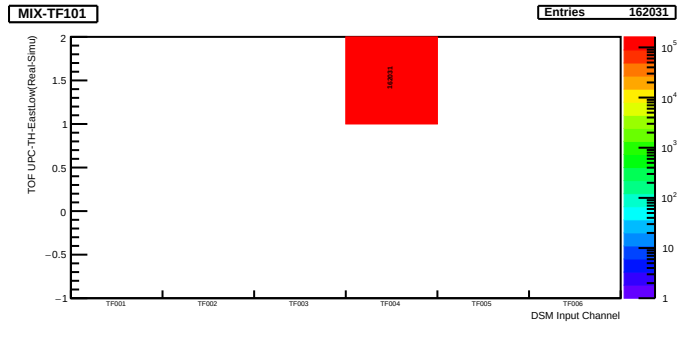

MIX-TF101
Entries 2901504
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

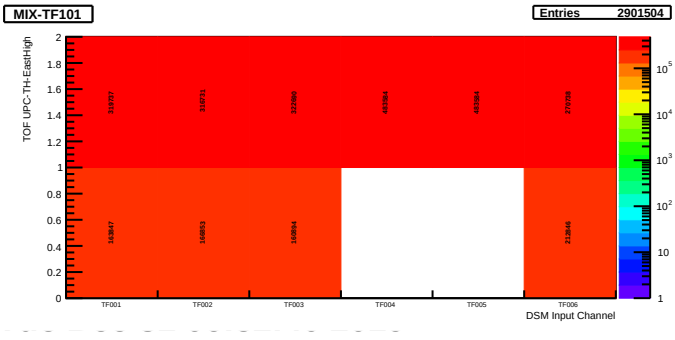

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

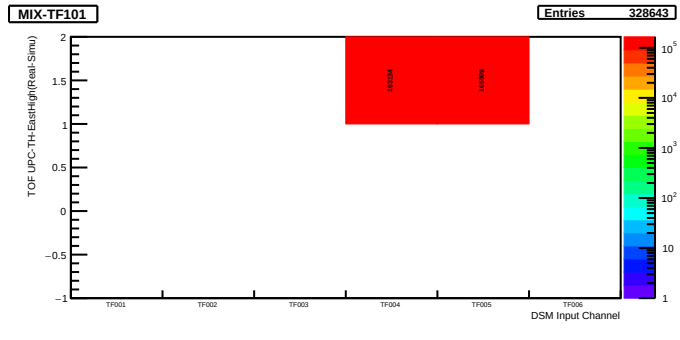

MIX-TF101
Entries 2901504
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

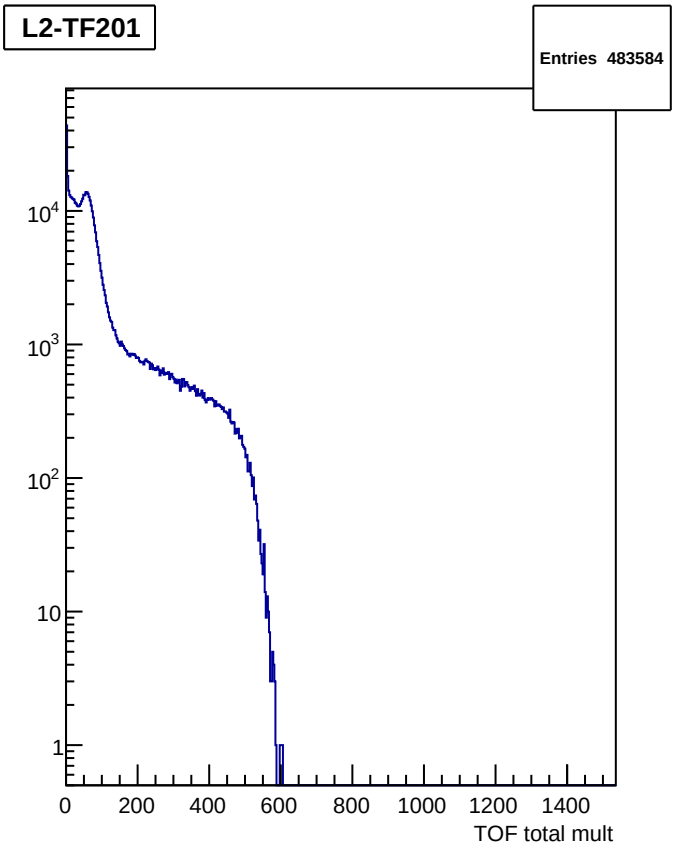

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

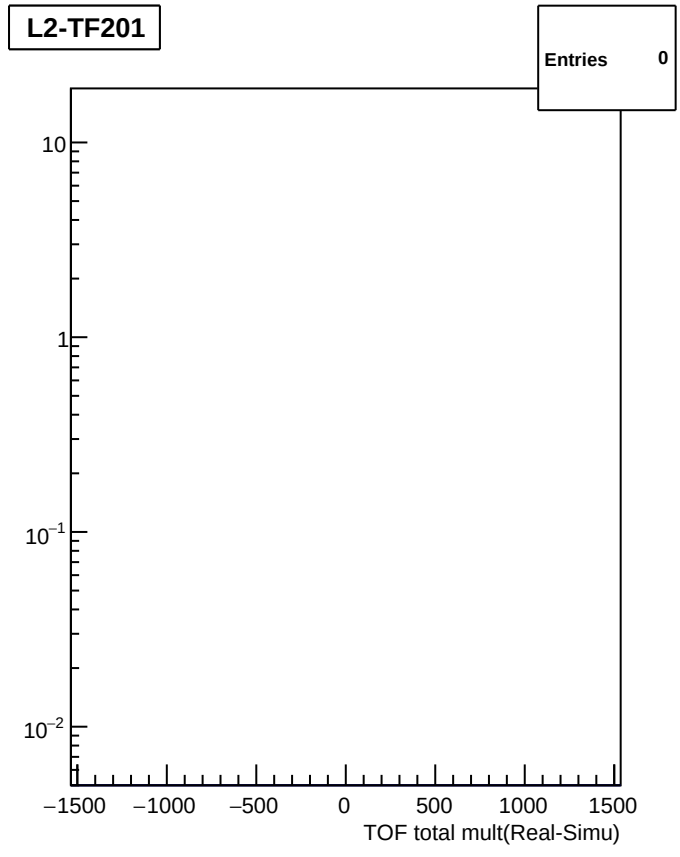

MIX-TF101
Entries 2901504
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

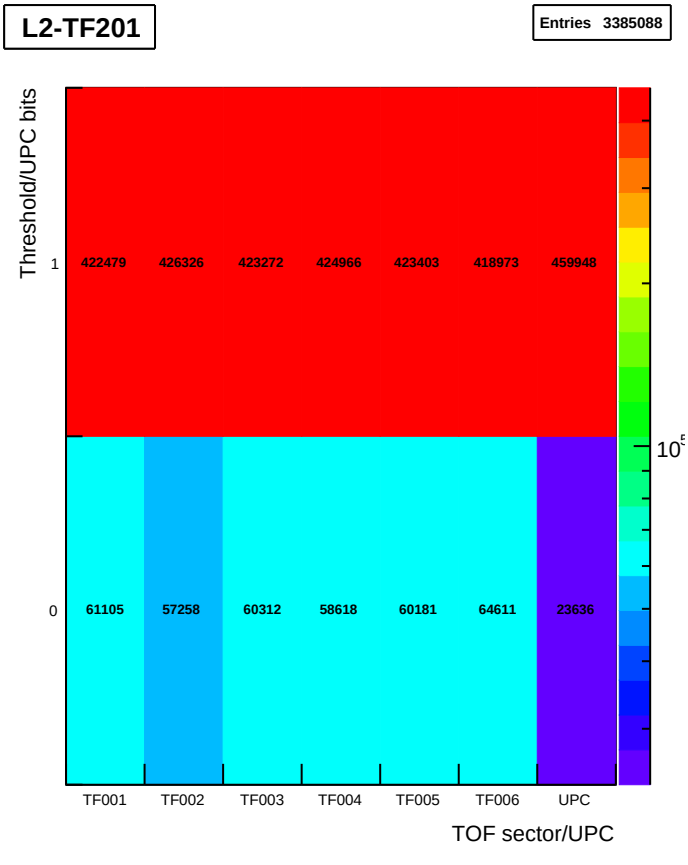

MIX-TF101
Entries 162031
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

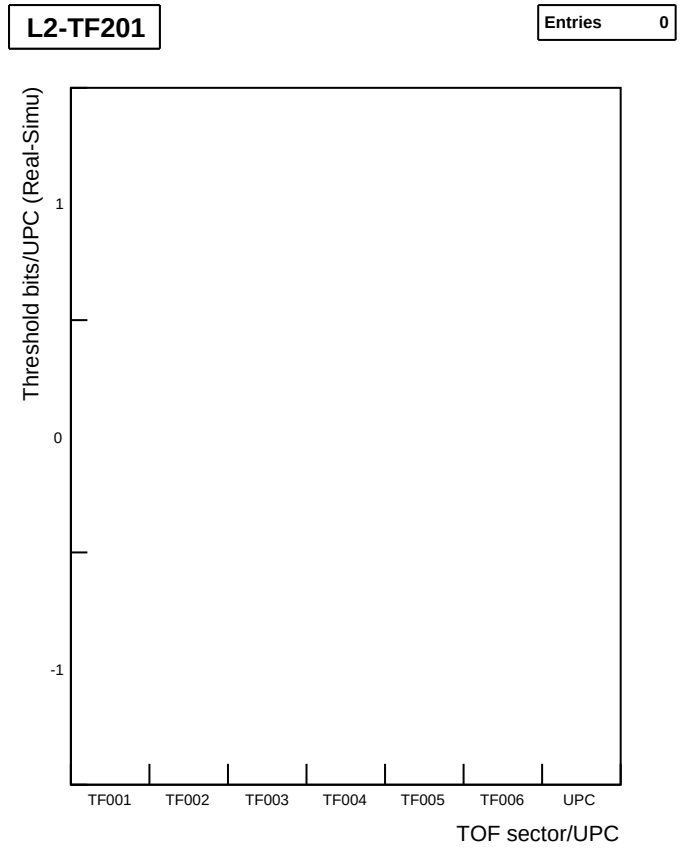

MIX-TF101
Entries 2901504
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

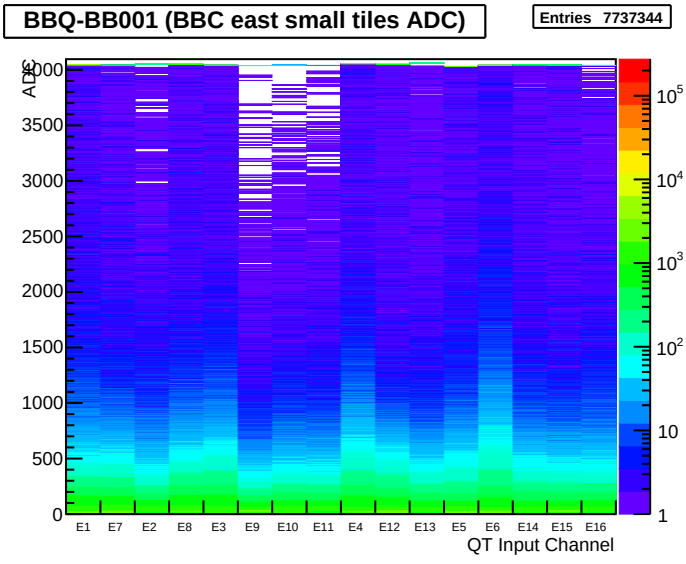

MIX-TF101
Entries 328643
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

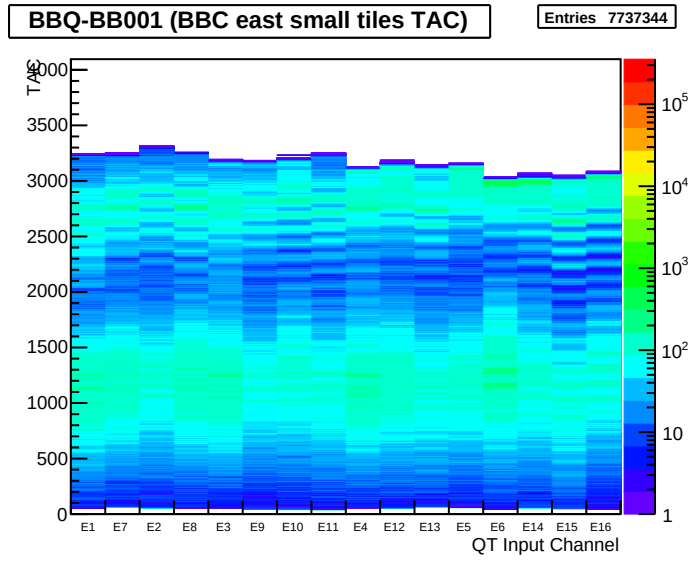

L2-TF201
Entries 483584
TOF total mult

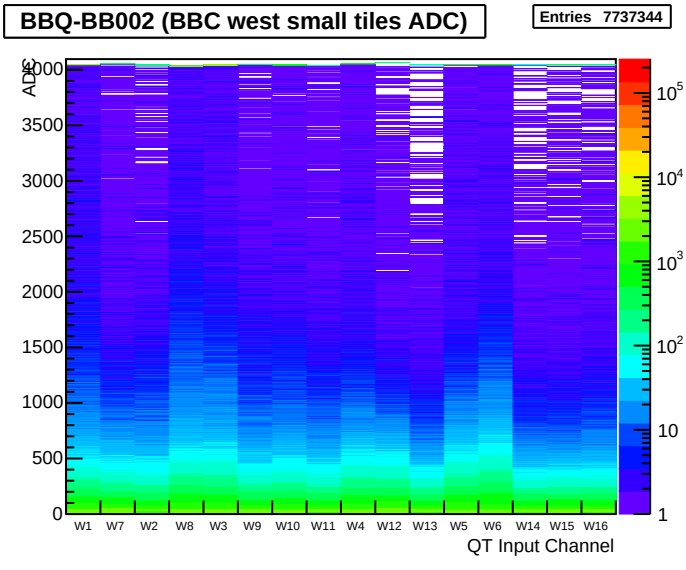

L2-TF201
Entries 0
TOF total mult(Real-Simu)

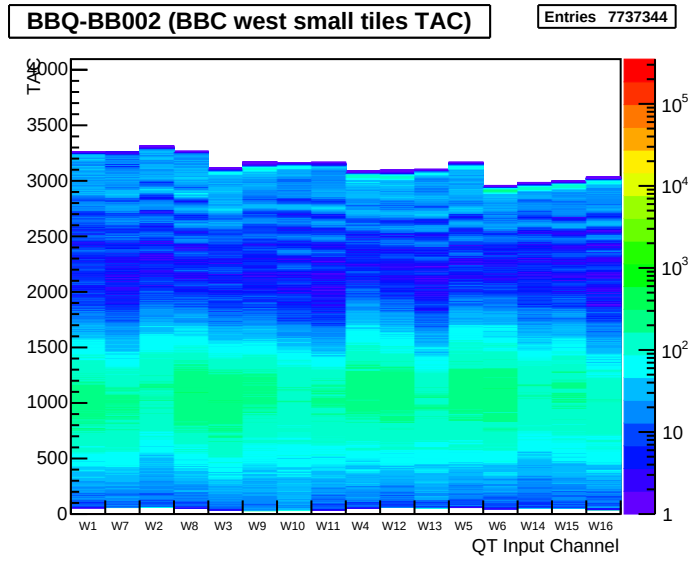

L2-TF201
Entries 3385088
Threshold/UPC bits
422479
426326
423272
424966
423403
418973
459948
61105
57258
60312
58618
60181
64611
23636
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

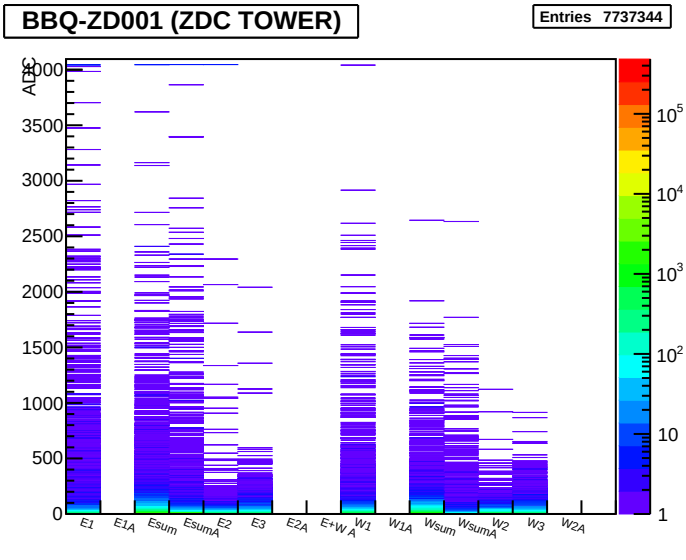

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

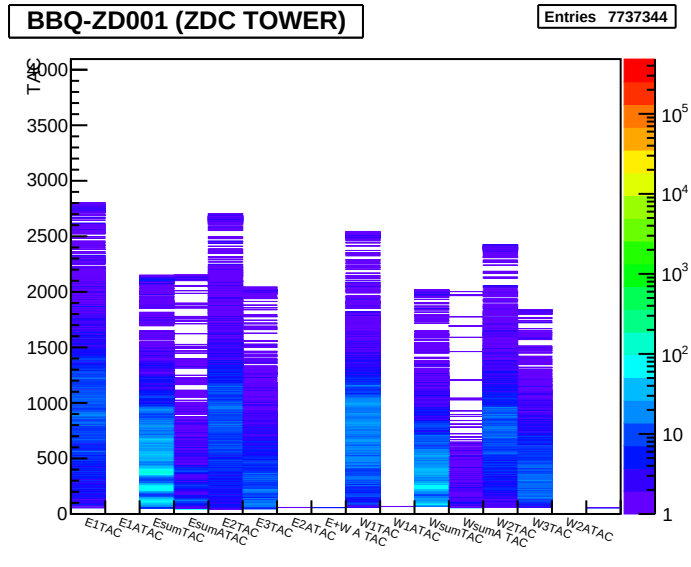

BBQ-BB001 (BBC east small tiles ADC)
Entries 7737344
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

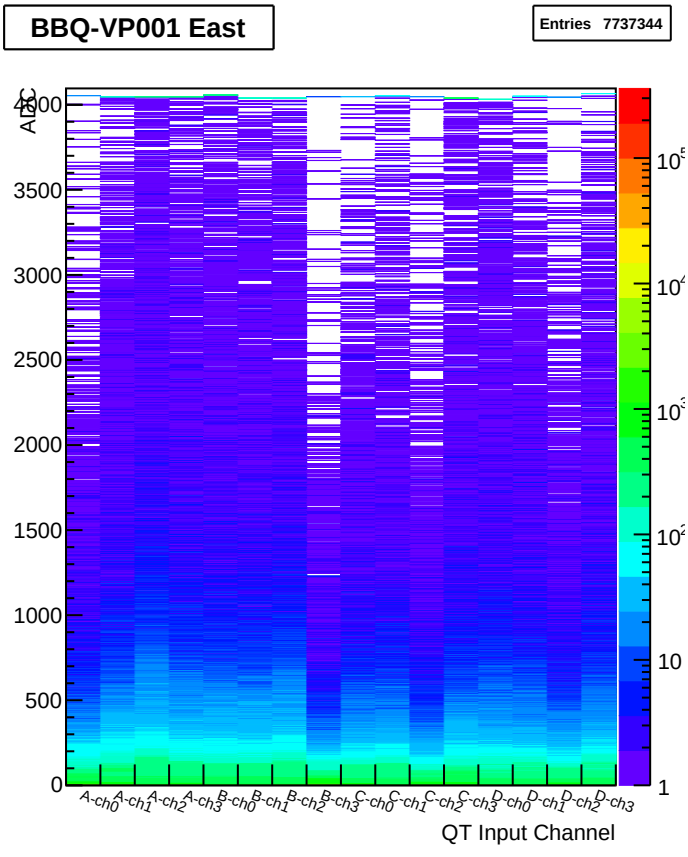

BBQ-BB001 (BBC east small tiles TAC)
Entries 7737344
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

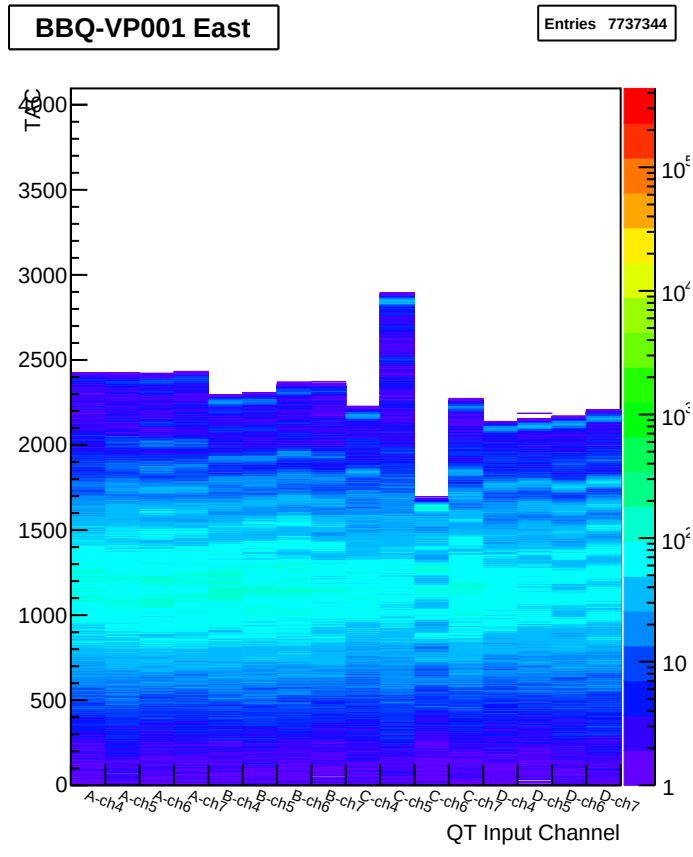

BBQ-BB002 (BBC west small tiles ADC)
Entries 7737344
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

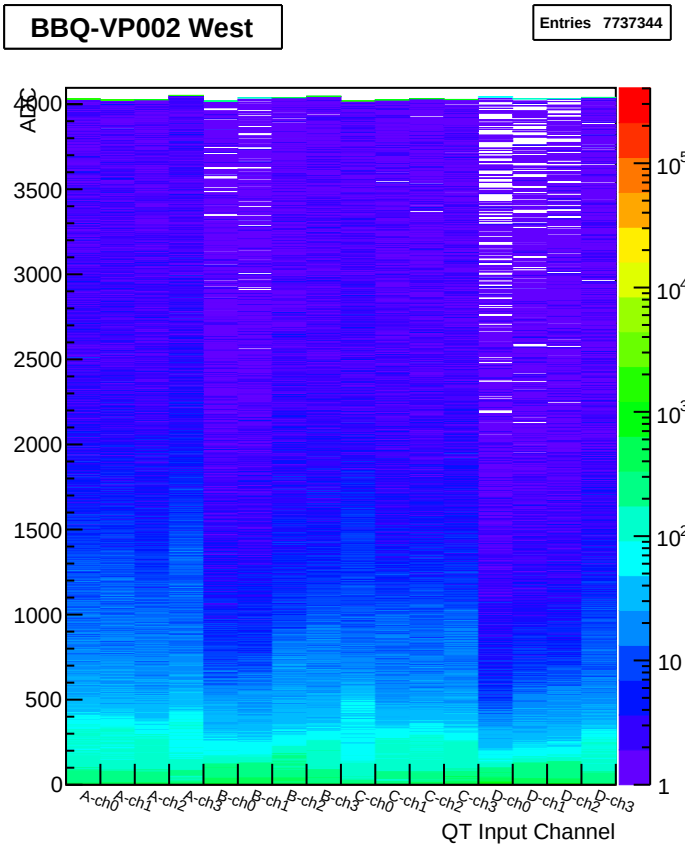

BBQ-BB002 (BBC west small tiles TAC)
Entries 7737344
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

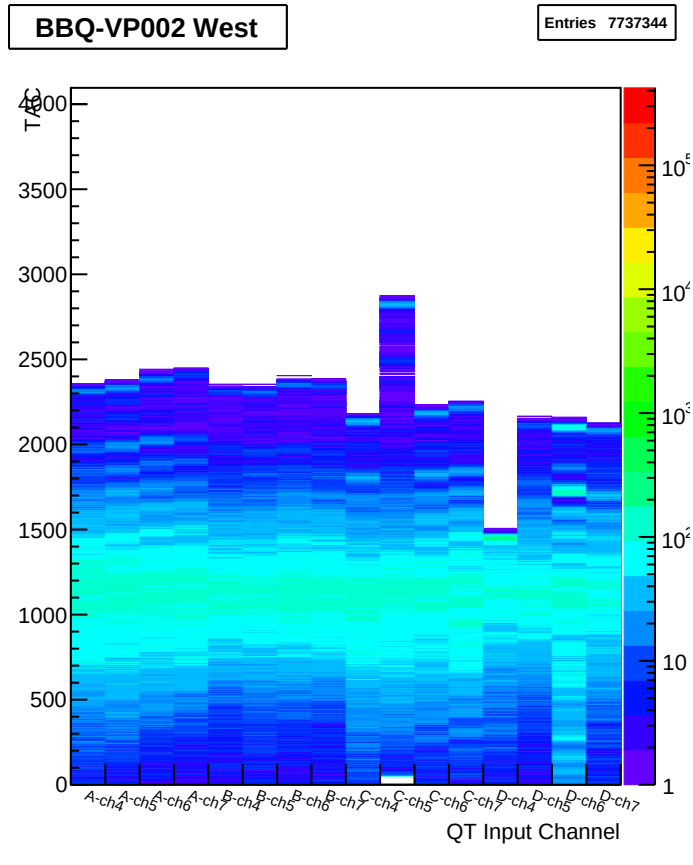

BBQ-ZD001 (ZDC TOWER)
Entries 7737344
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

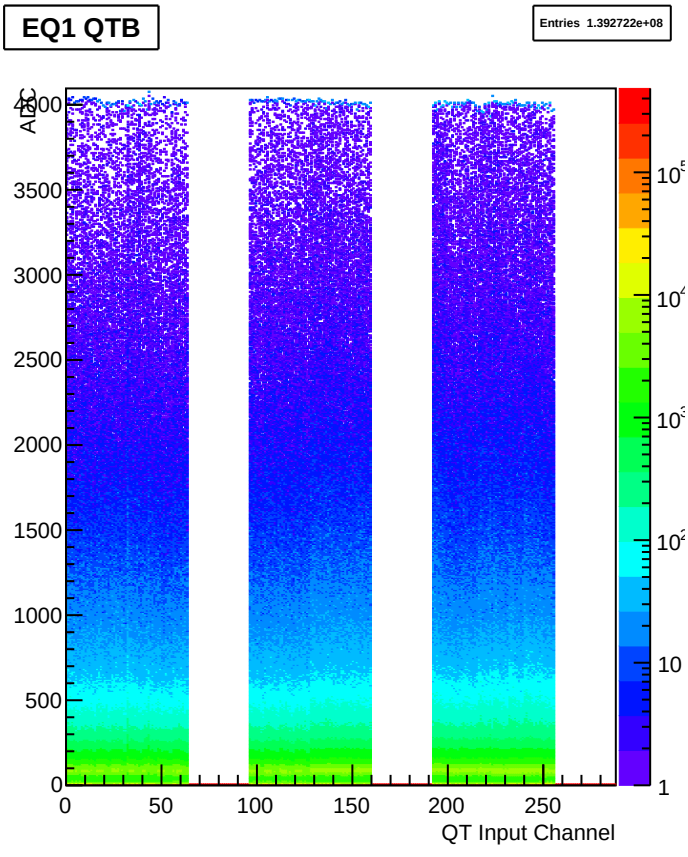

BBQ-ZD001 (ZDC TOWER)
Entries 7737344
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

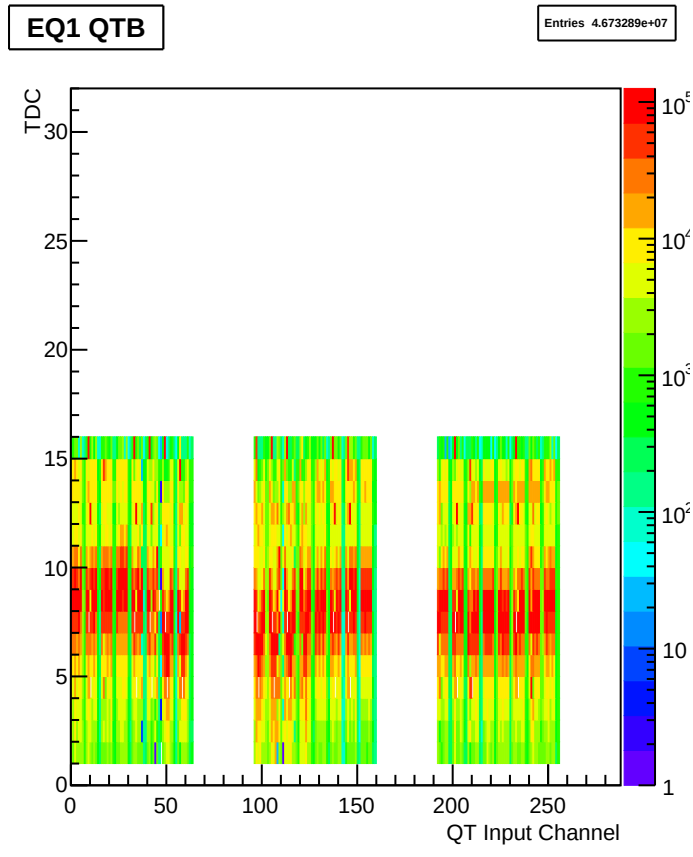

BBQ-VP001 East
Entries 7737344
ADC
QT Input Channel

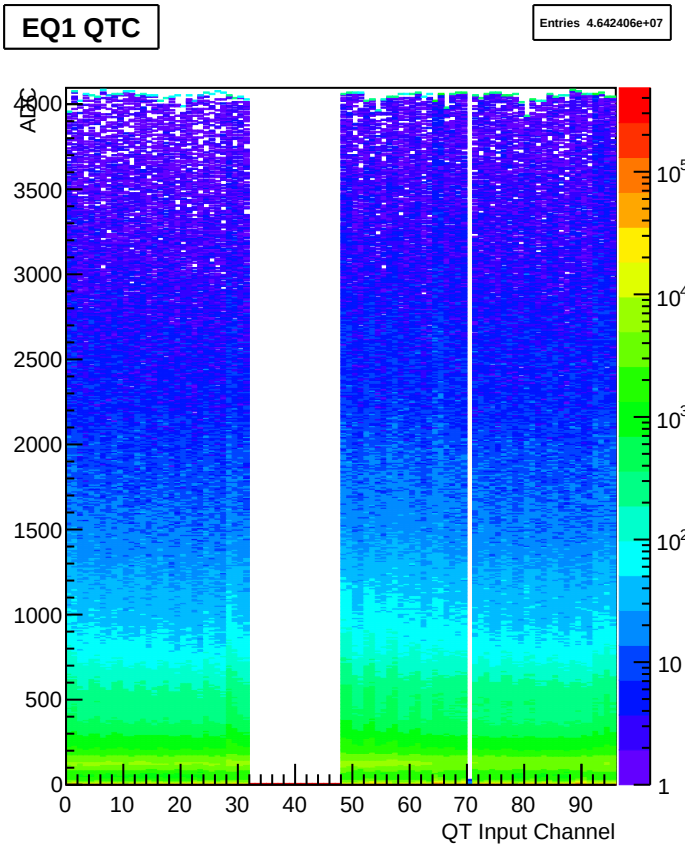

BBQ-VP001 East
Entries 7737344
ADC
QT Input Channel

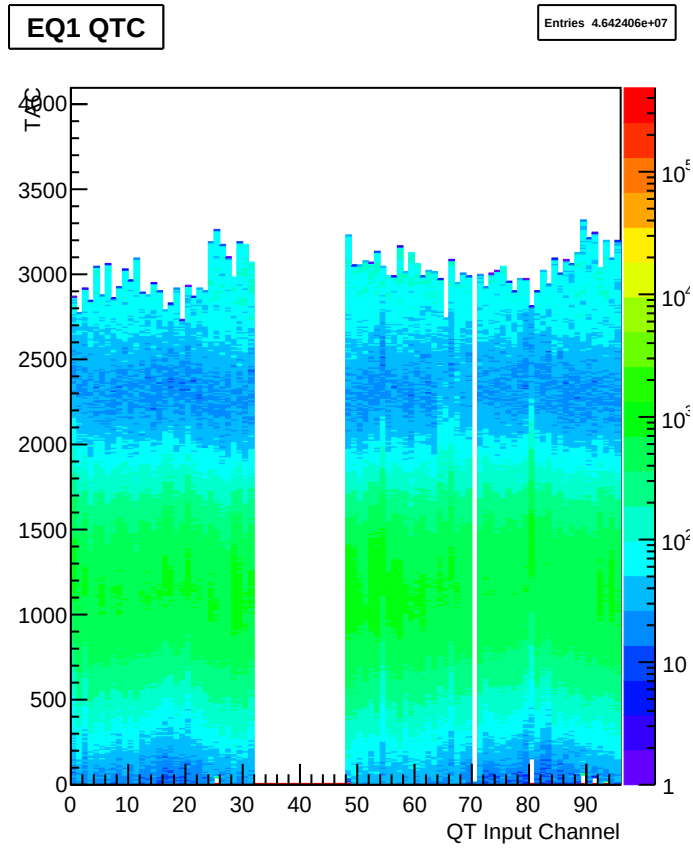

BBQ-VP002 West
Entries 7737344
ADC
QT Input Channel

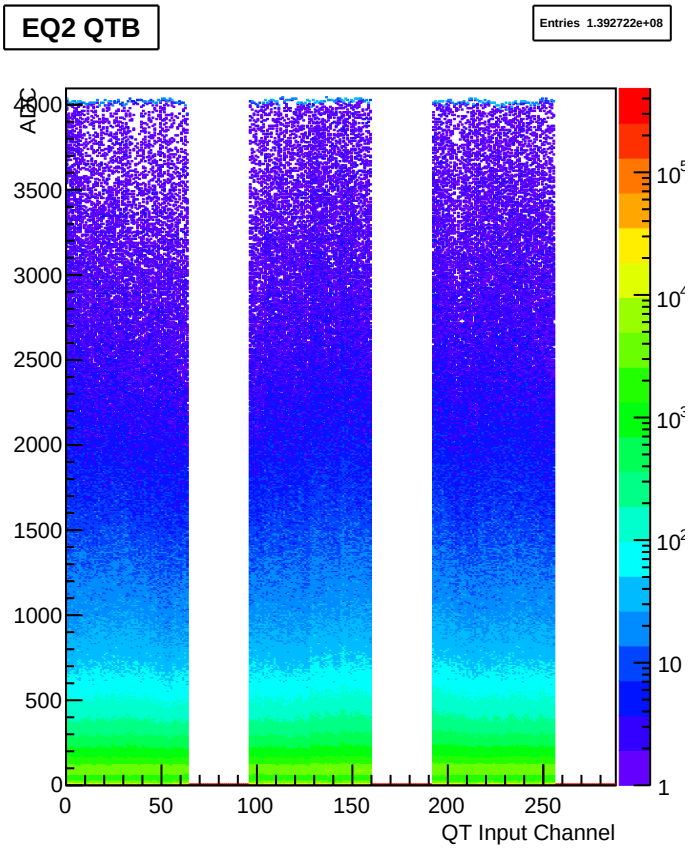

BBQ-VP002 West
Entries 7737344
ADC
QT Input Channel

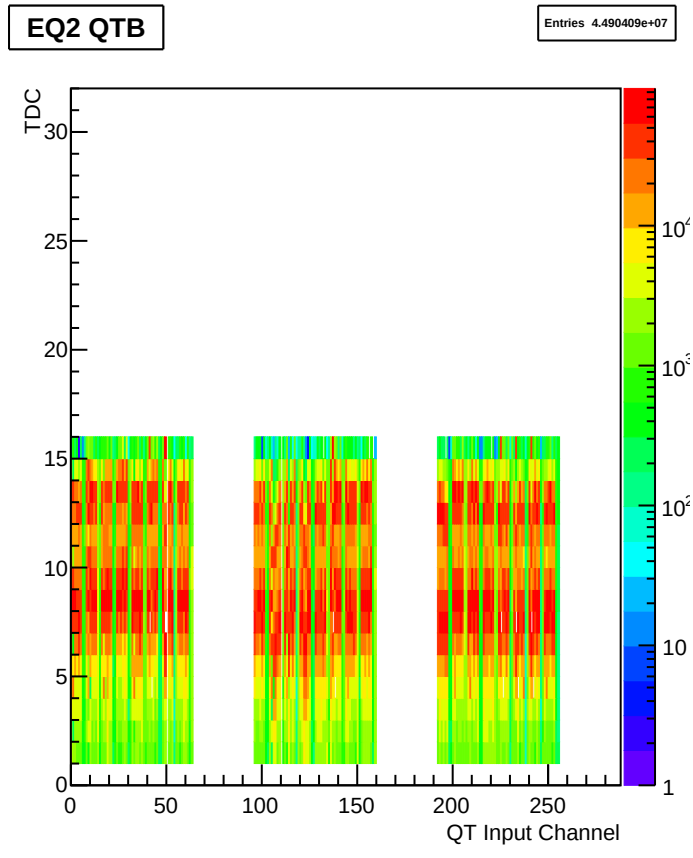

EQ1 QTB
Entries 1.392722e+08
ADC
QT Input Channel

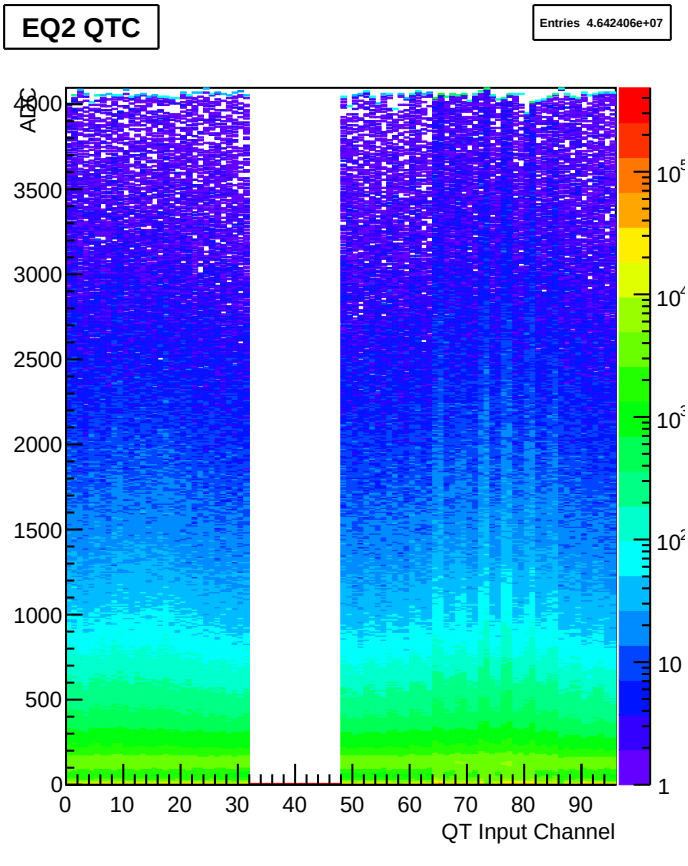

EQ1 QTB
Entries 4.673289e+07
TDC
QT Input Channel

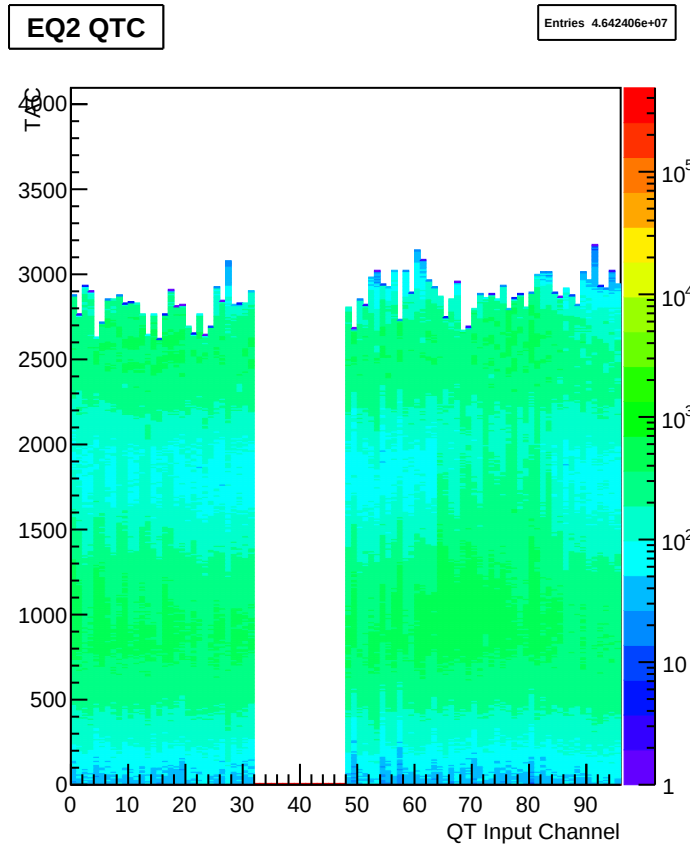

EQ1 QTC
Entries 4.642406e+07
ADC
QT Input Channel

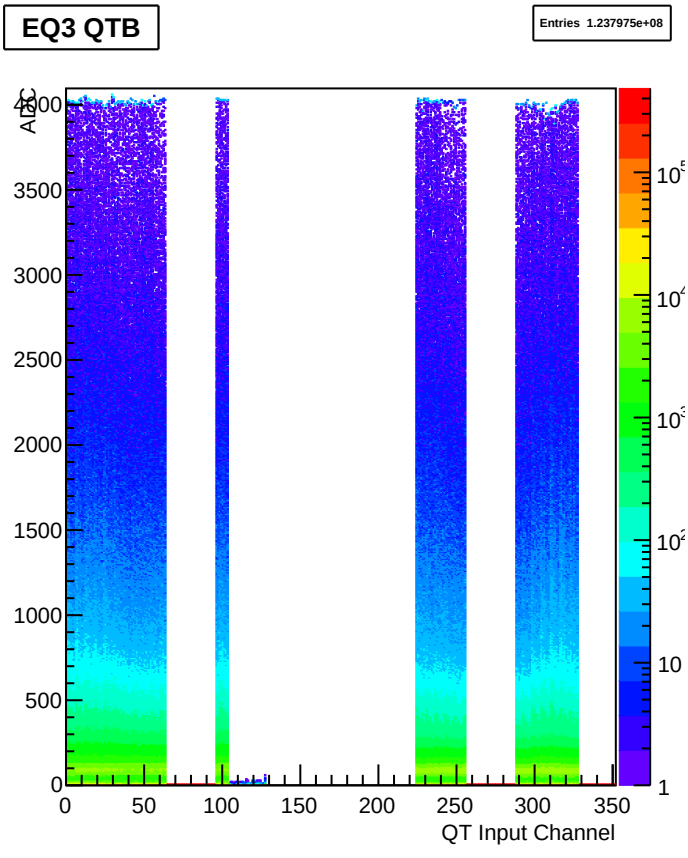

EQ1 QTC
Entries 4.642406e+07
TADC
QT Input Channel

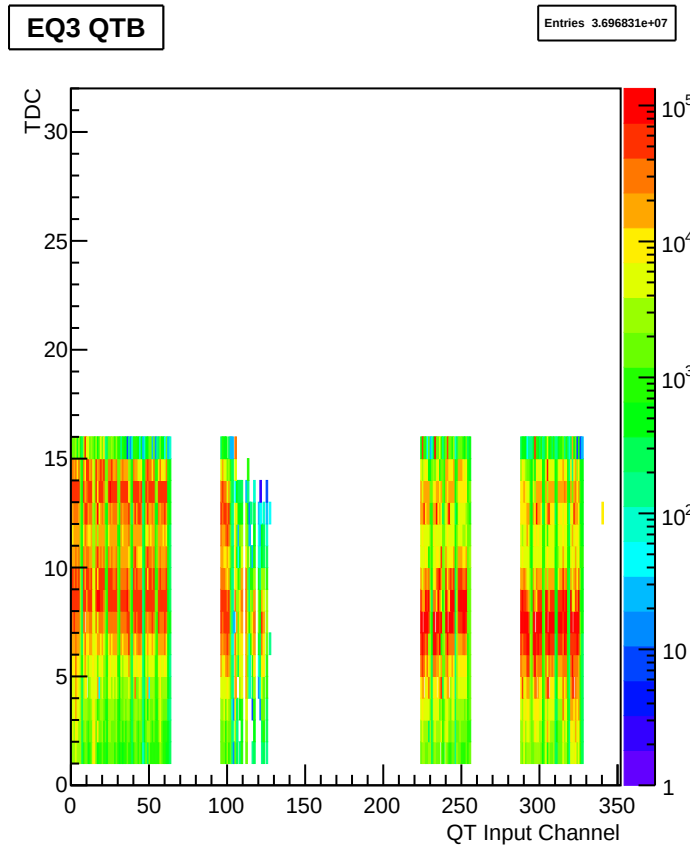

EQ2 QTB
Entries 1.392722e+08
ADC
QT Input Channel

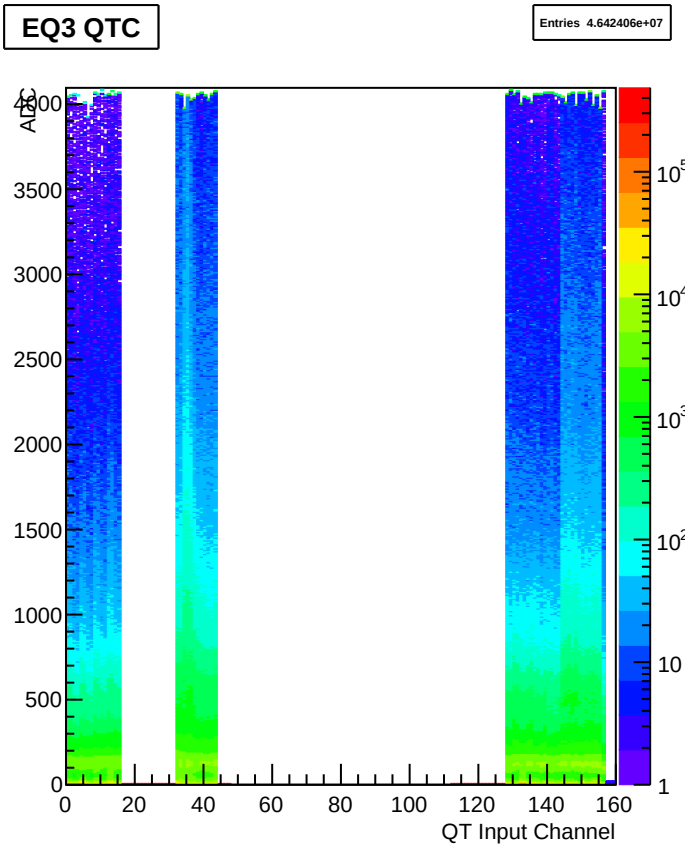

EQ2 QTB
Entries 4.490409e+07
TDC
QT Input Channel

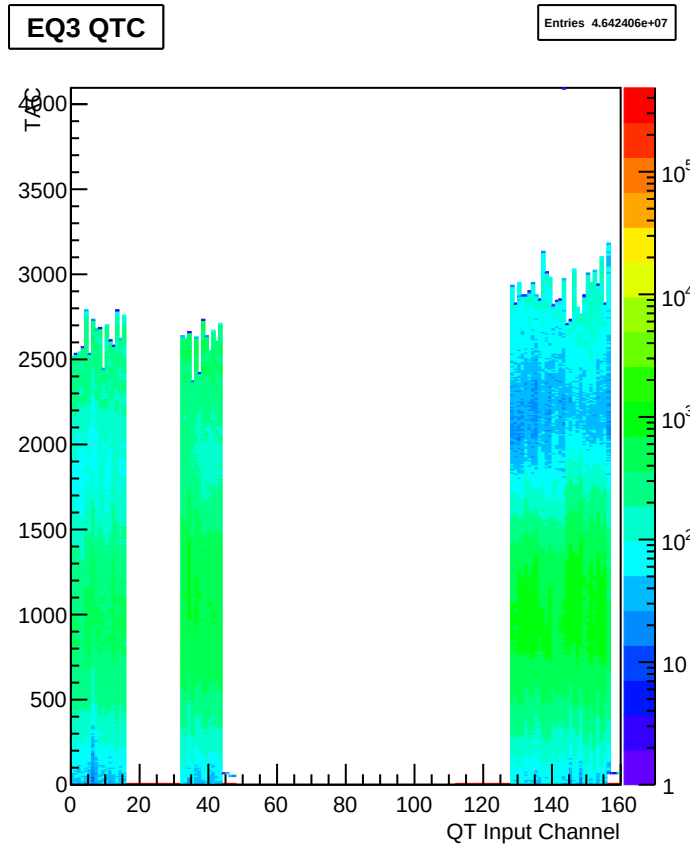

EQ2 QTC
Entries 4.642406e+07
ADC
QT Input Channel


EQ2 QTC
Entries 4.642406e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.237975e+08
ADC
QT Input Channel


EQ3 QTB
Entries 3.696831e+07
TDC
QT Input Channel


EQ3 QTC
Entries 4.642406e+07
ADC
QT Input Channel


EQ3 QTC
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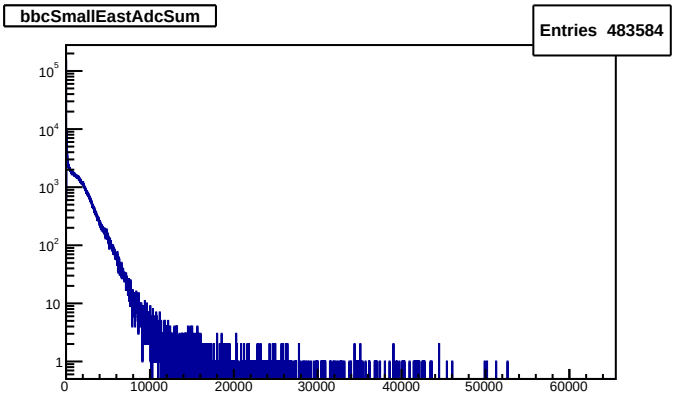
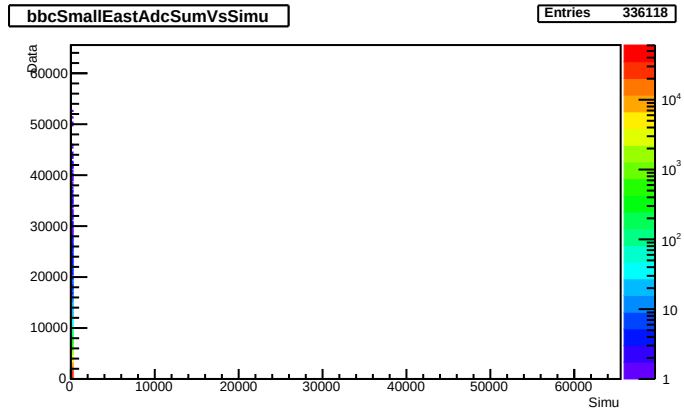
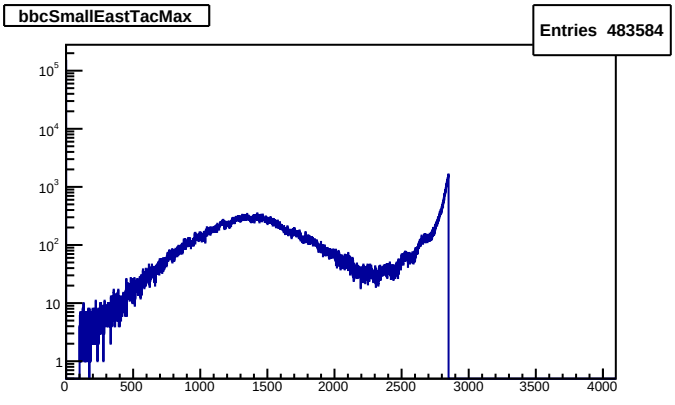
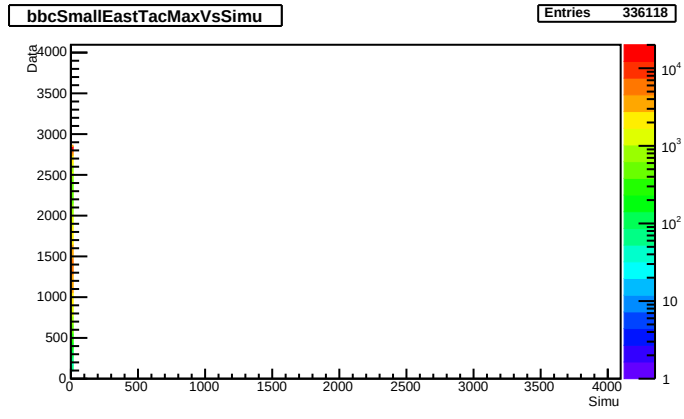
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 483584


bbcSmallEastAdcSumVsSimu
Entries 336118
Data
Simu


bbcSmallEastTacMax
Entries 483584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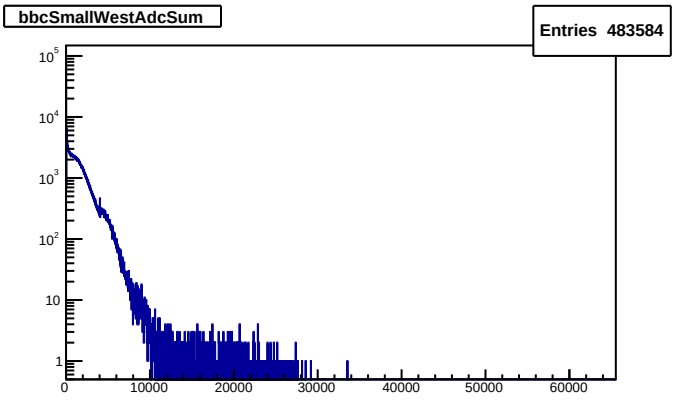
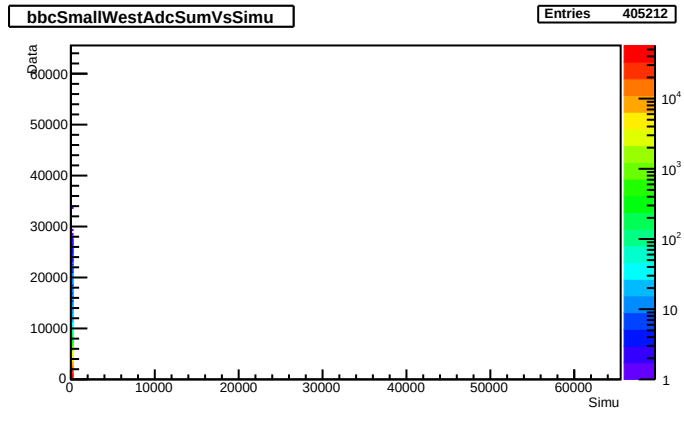
Entries 336118
Data
Simu


bbcSmallWestAdcSum
Entries 483584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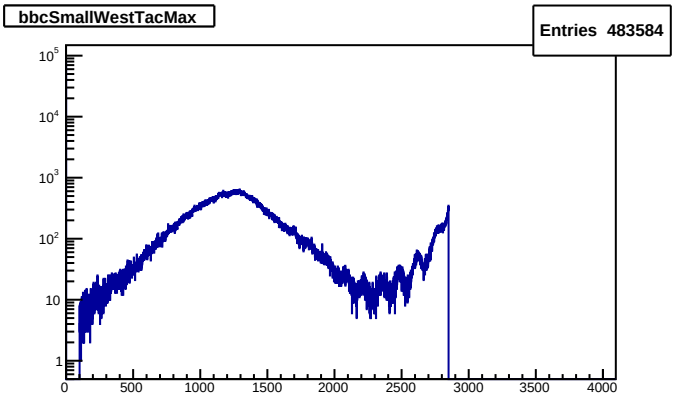
Entries 405212
Data
Simu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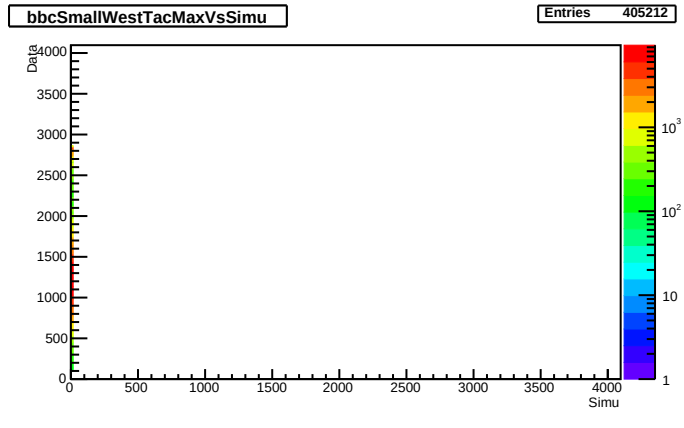
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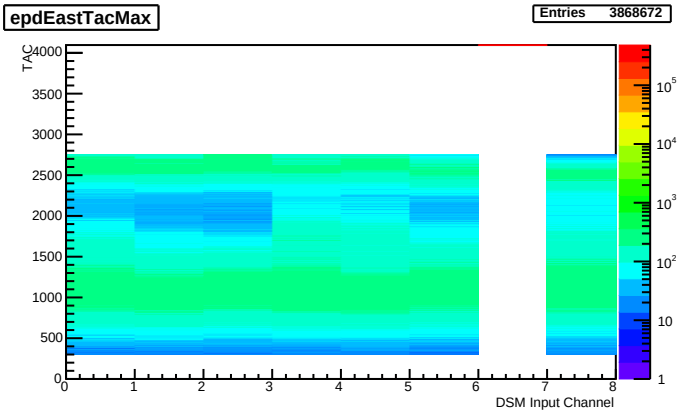
Entries 405212
Data
Simu


epdEastTacMax
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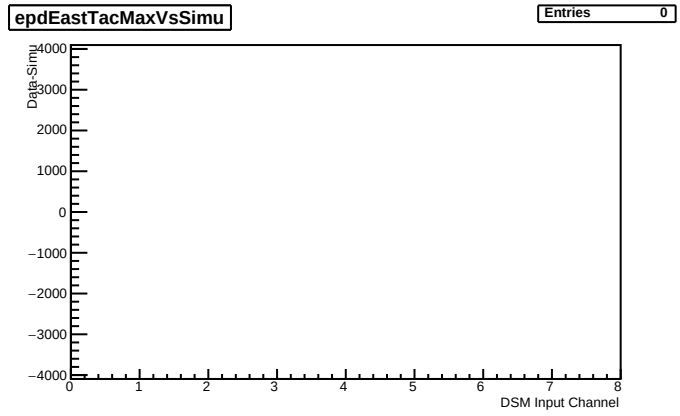
TAC
DSM Input Channel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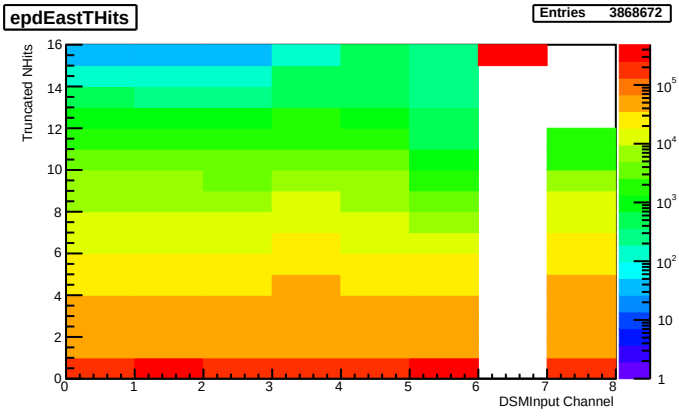
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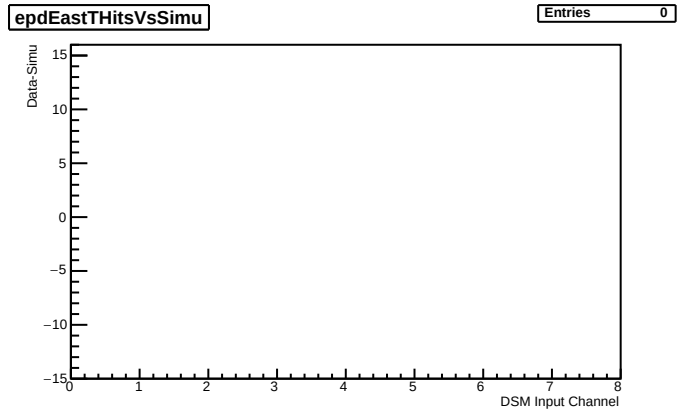
DSMInput Channel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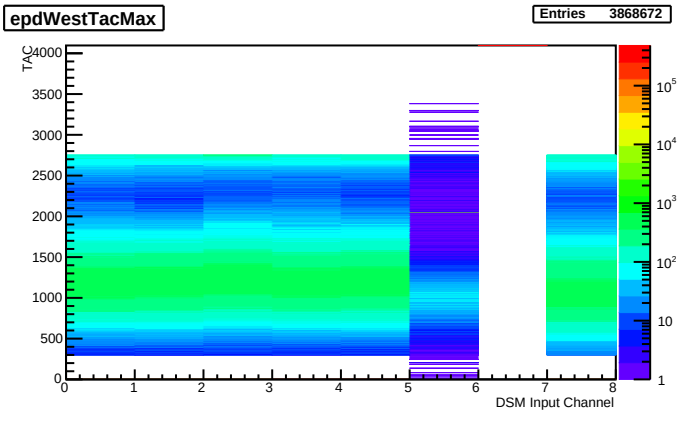
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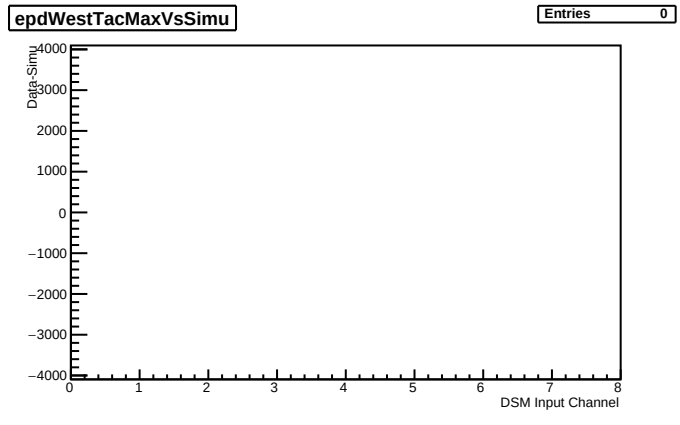
TAC
DSM Input Channel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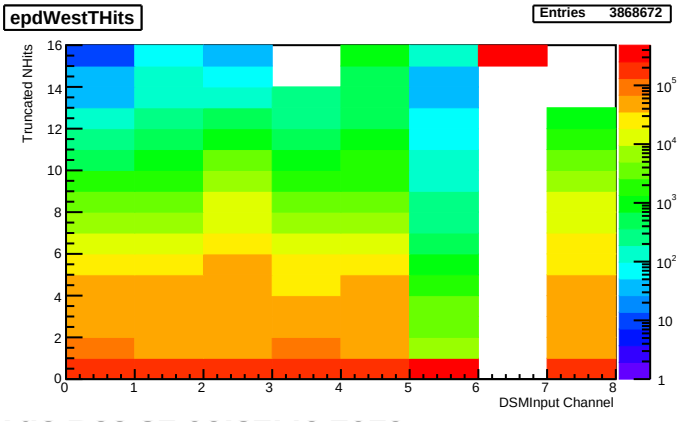
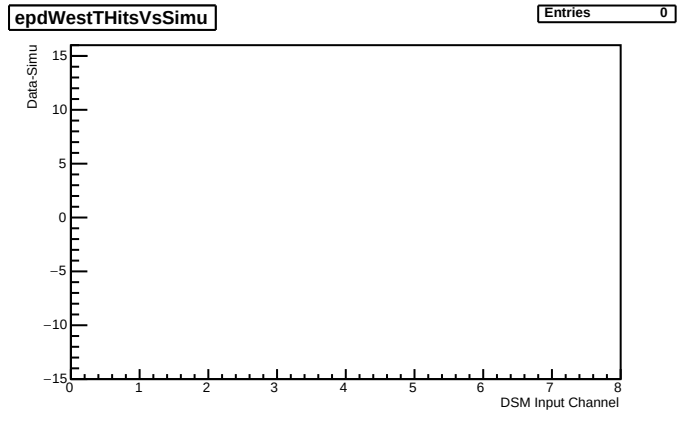
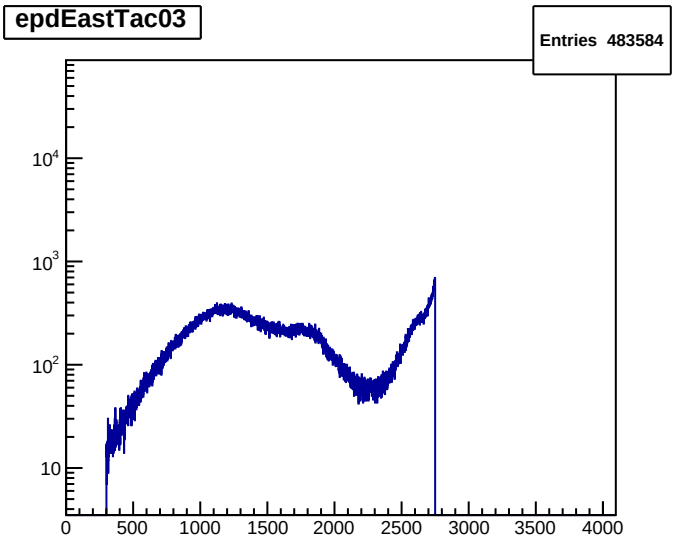
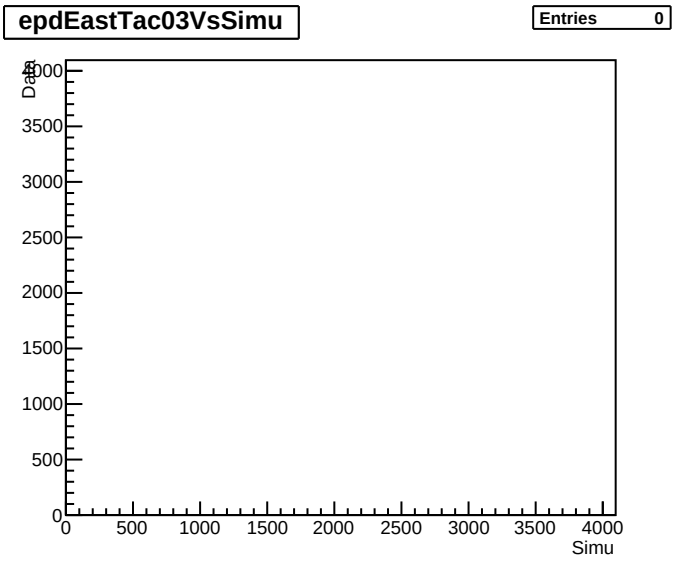
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3868672
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 483584
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000


epdEastTac03VsSimu
Entries 0
Data
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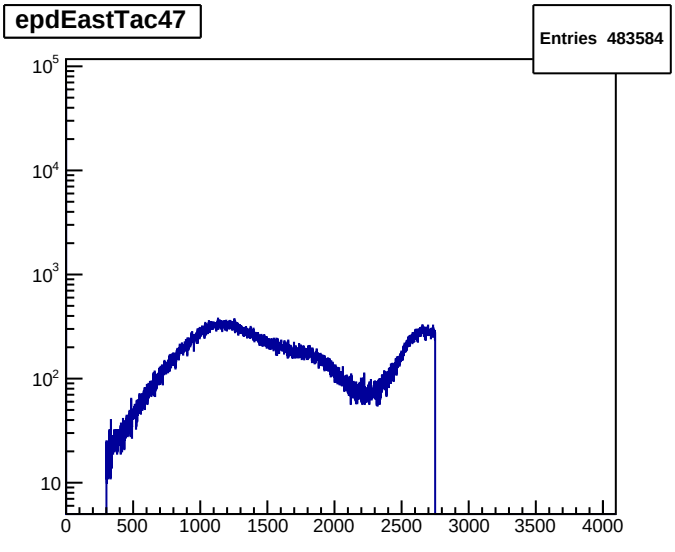
Simu


epdEastTac47
Entries 483584
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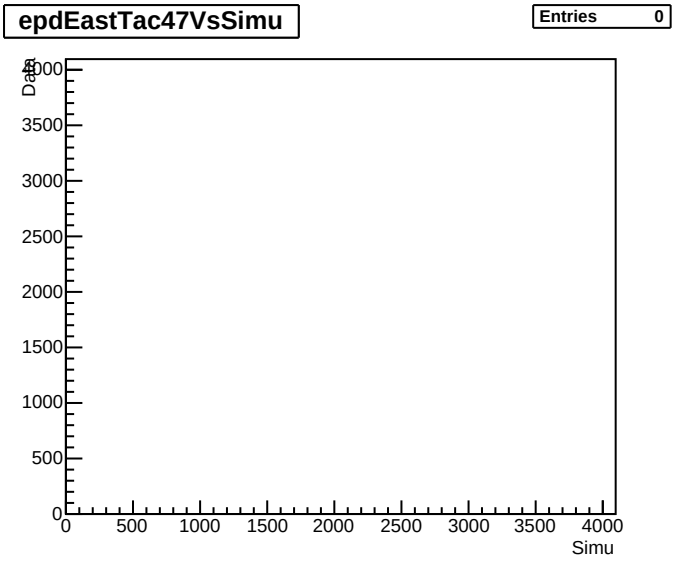
10^4
10^3
10^2
10
0 500 1000 1500 2000 2500 3000 3500 4000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Data
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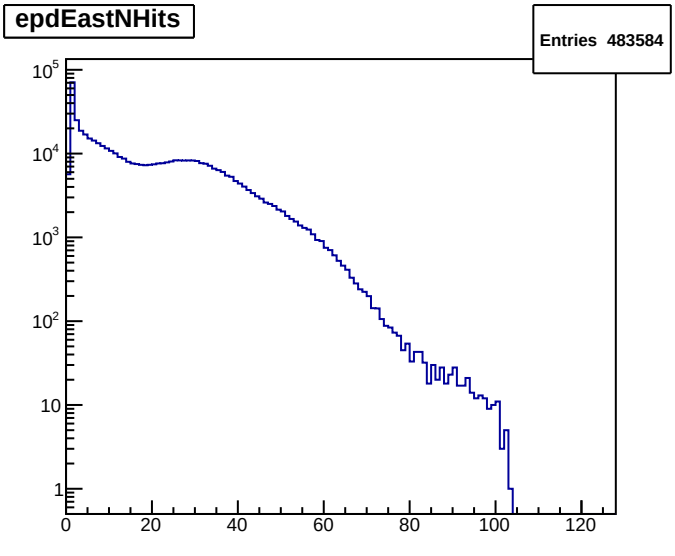
Simu


epdEastNHits
Entries 483584
10^5
10^4
10^3
10^2
10
1
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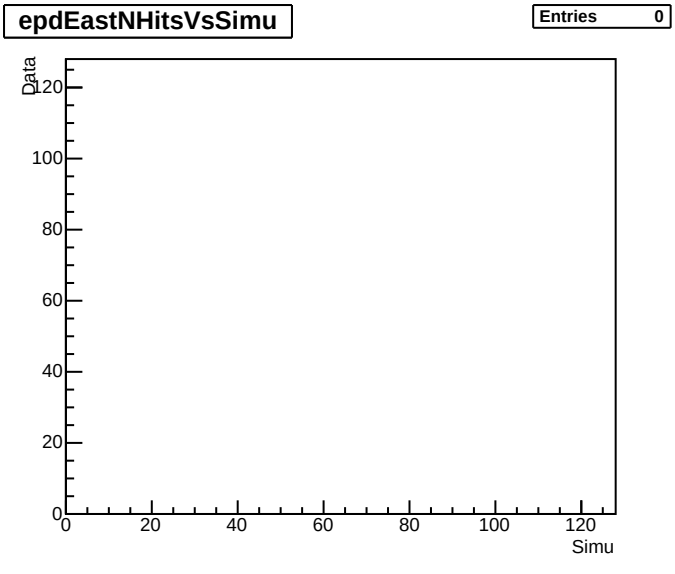
epdEastNHitsVsSimu
Entries 0
Data
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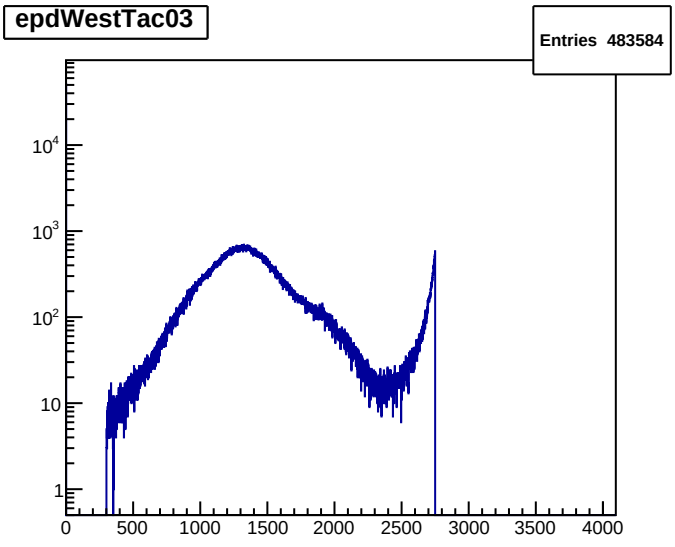
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 483584
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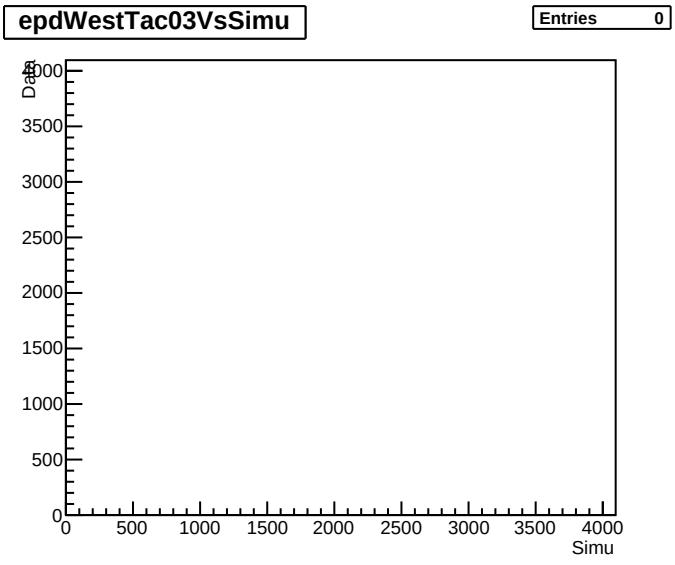
10^3
10^2
10
1
0 500 1000 1500 2000 2500 3000 3500 4000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Data
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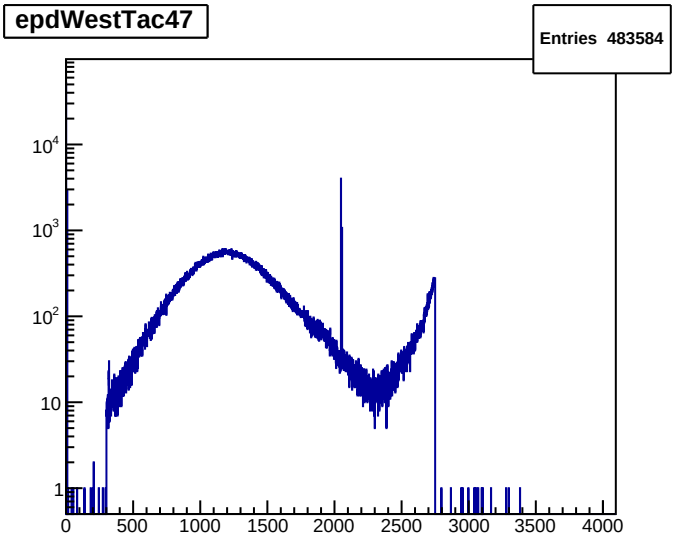
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu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10^3
10^2
10
1
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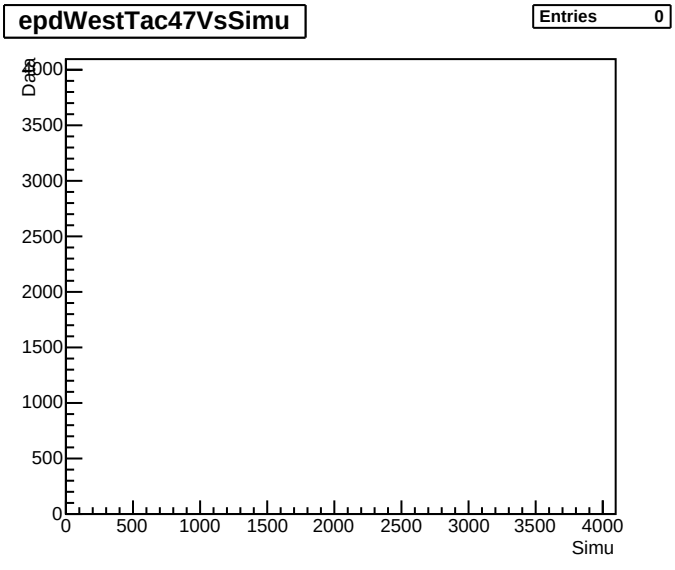
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Data
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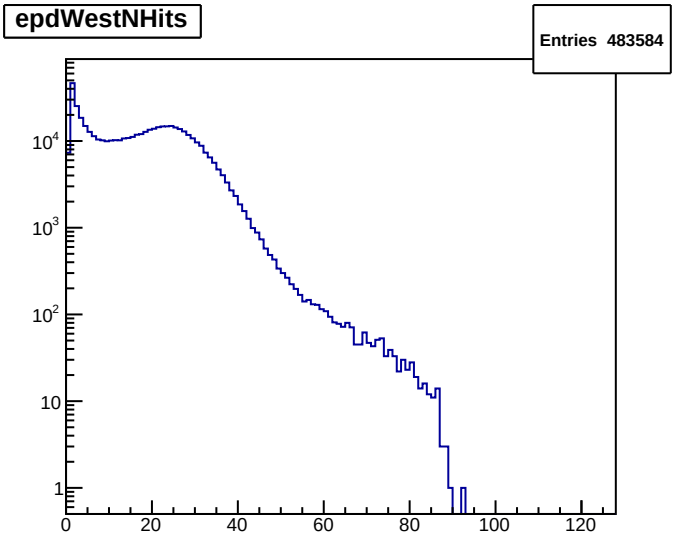
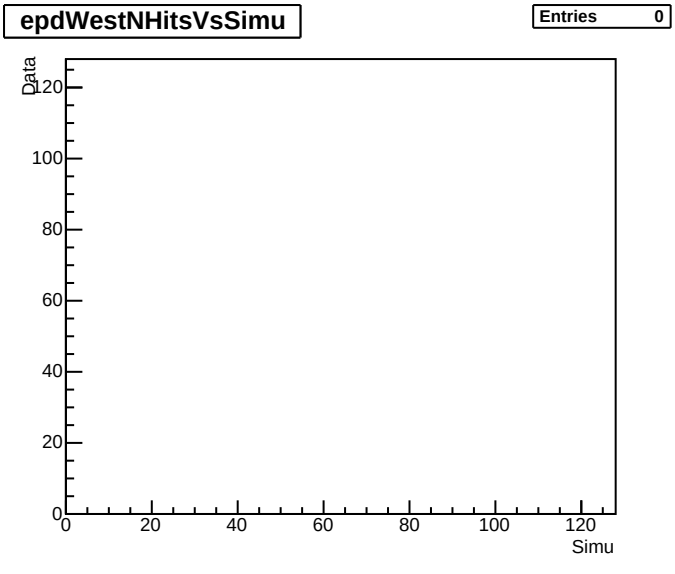
3500
3000
2500
2000
1500
1000
500
0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdWestNHits
Entries 483584
10^4
10^3
10^2
10
1
0 20 40 60 80 100 120


epdWestNHitsVsSimu
Entries 0
Data
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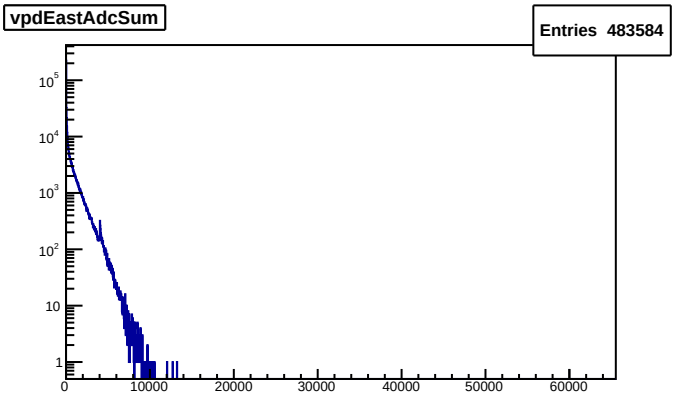
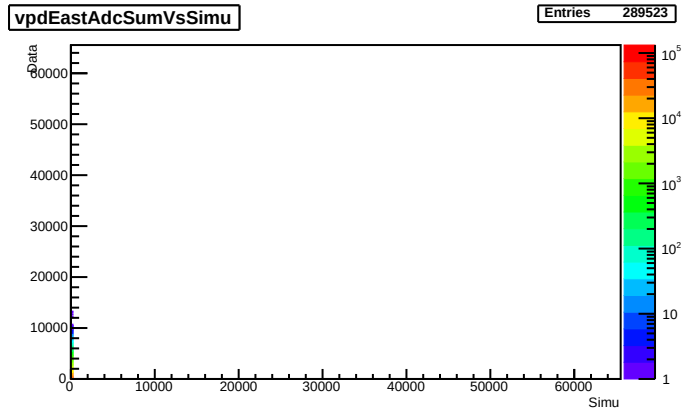
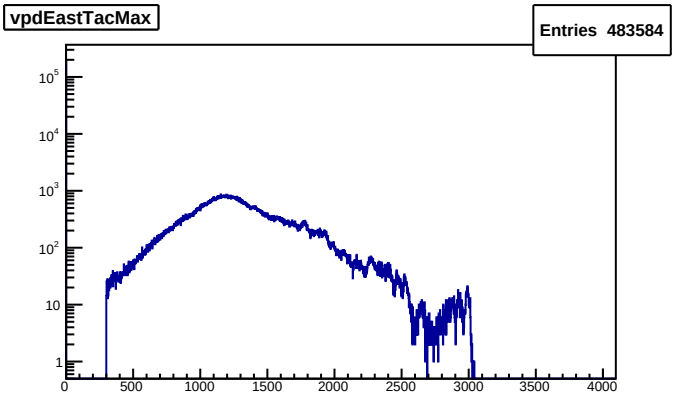
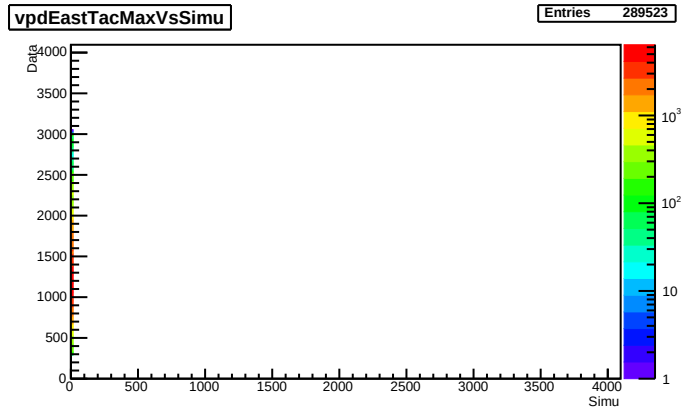
100
80
60
40
20
0
0 20 40 60 80 100 120
Simu


vpdEastAdcSum
Entries 483584


vpdEastAdcSumVsSimu
Entries 289523
Data
Simu


vpdEastTacMax
Entries 483584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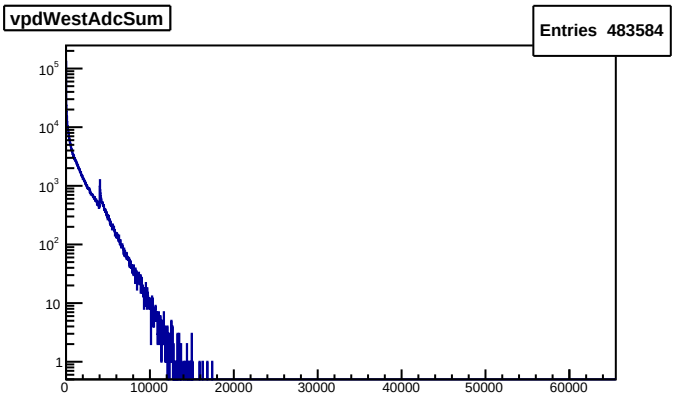
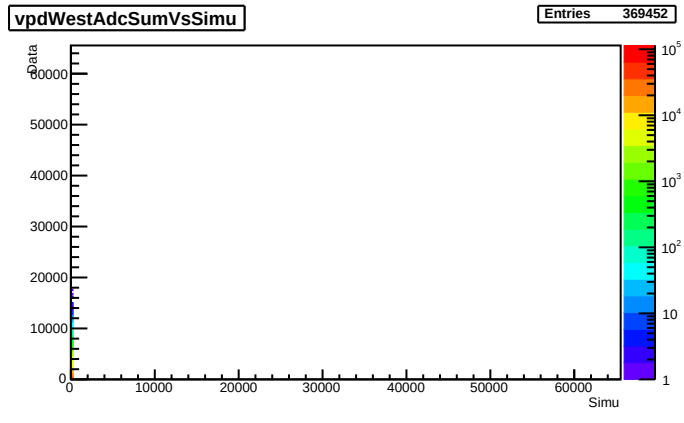
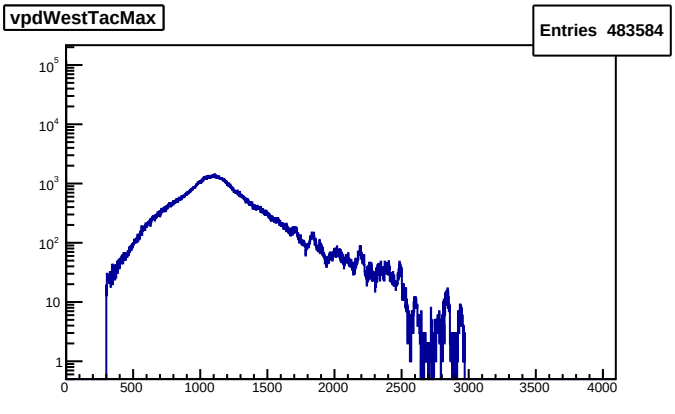
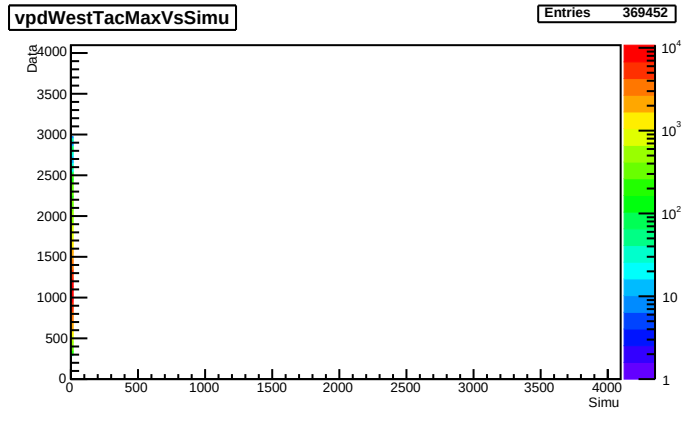
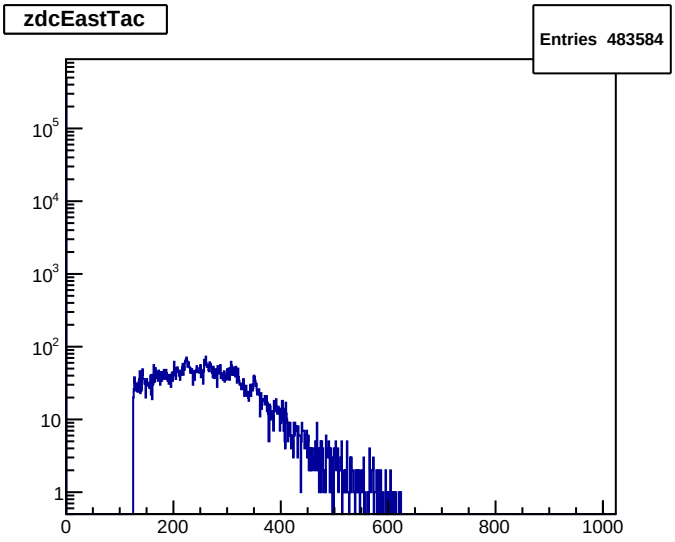
Entries 289523
Data
Simu

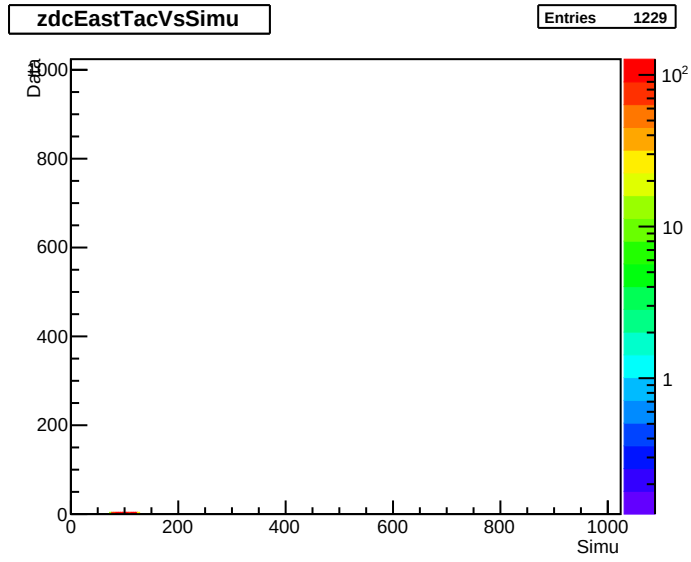

vpdWestAdcSum
Entries 483584

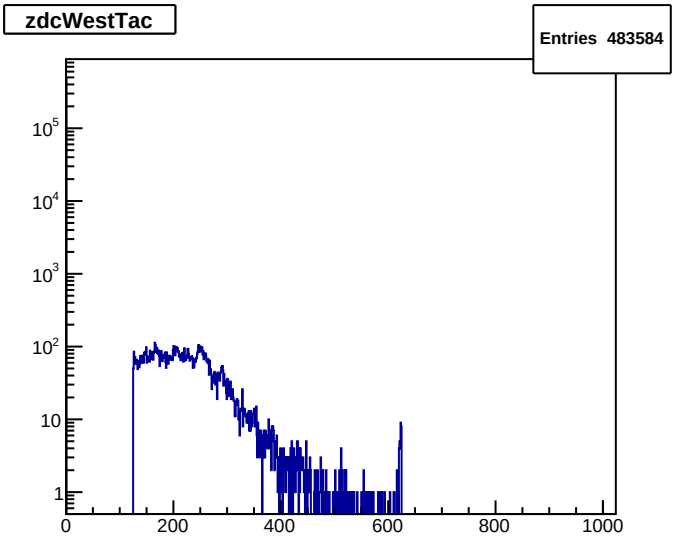

vpdWestAdcSumVsSimu
Entries 369452
Data
Simu

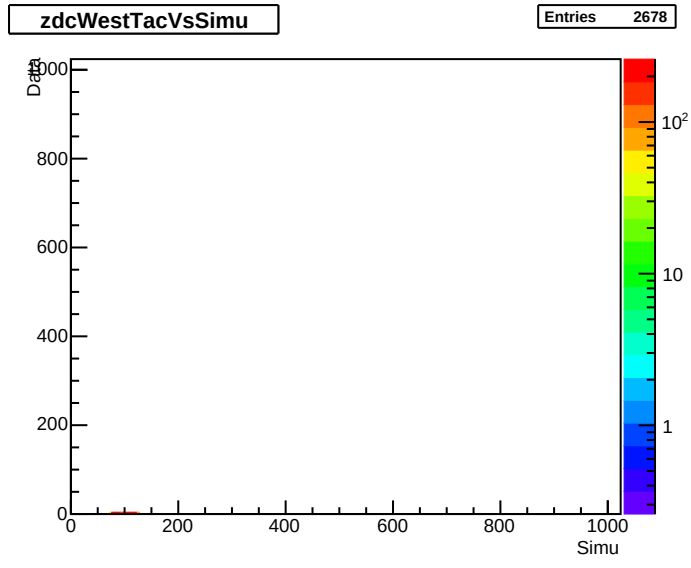

vpdWestTacMax
Entries 483584


vpdWestTacMaxVsSimu
Entries 369452
Data
Simu


zdcEastTac
Entries 483584


zdcEastTacVsSimu
Entries 1229
Data
Simu


zdcWestTac
Entries 483584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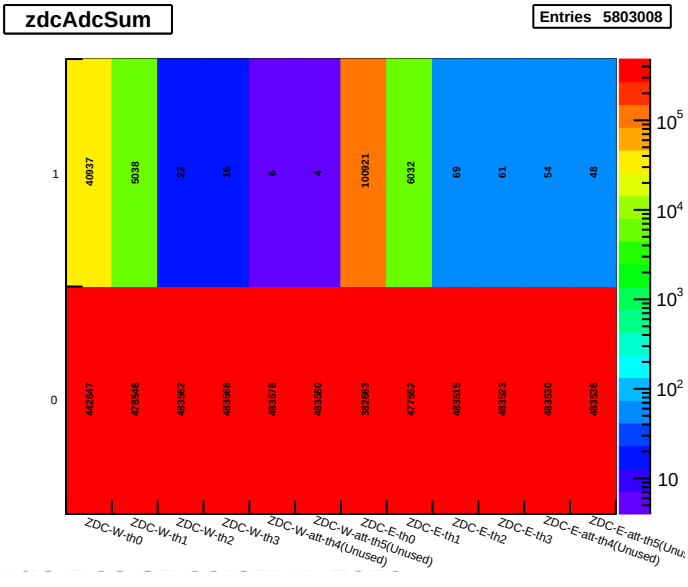
Entries 2678
Data
Simu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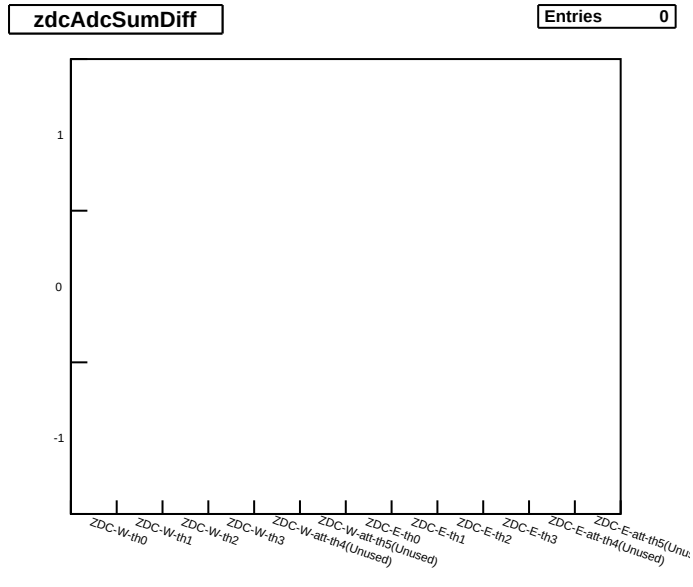
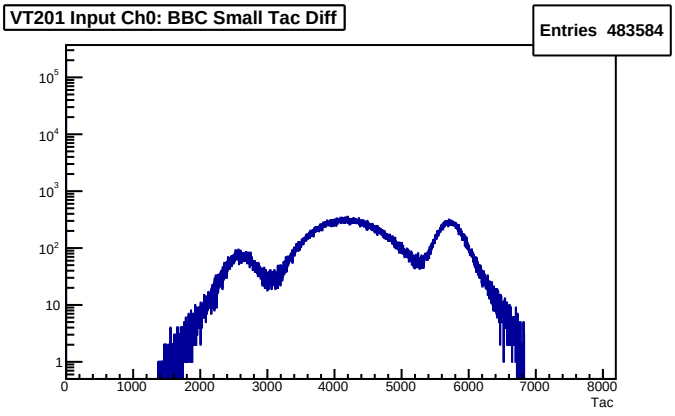
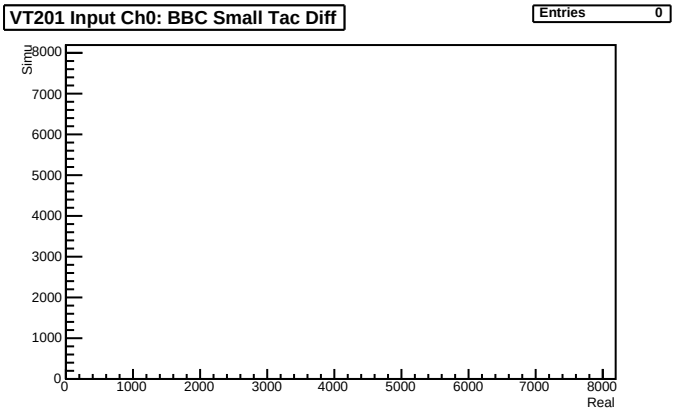
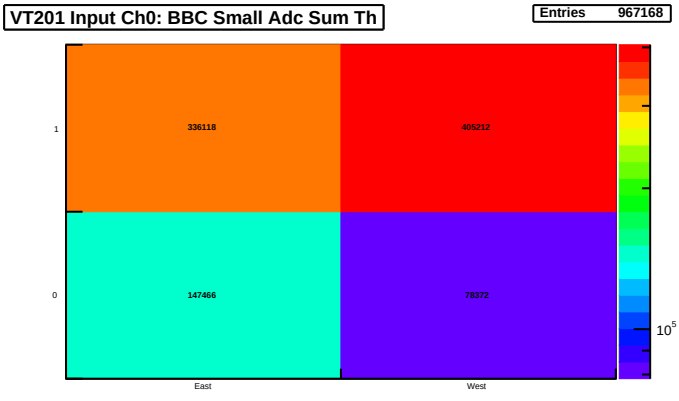
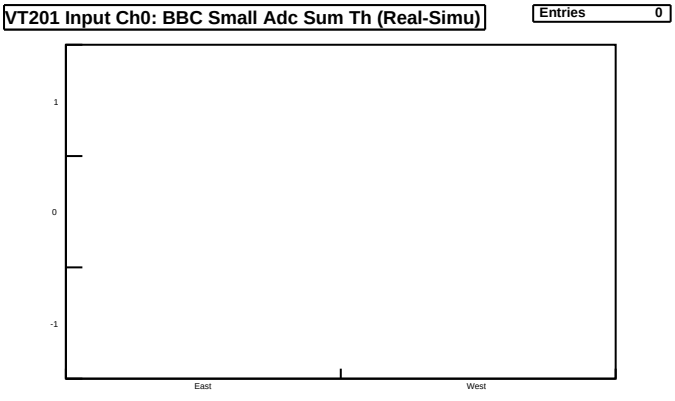
Entries 5803008
40937
5038
22
16
6
4
109921
6032
69
61
54
48
442647
478546
483562
483568
483578
483580
382663
477552
483515
483523
483530
483536
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

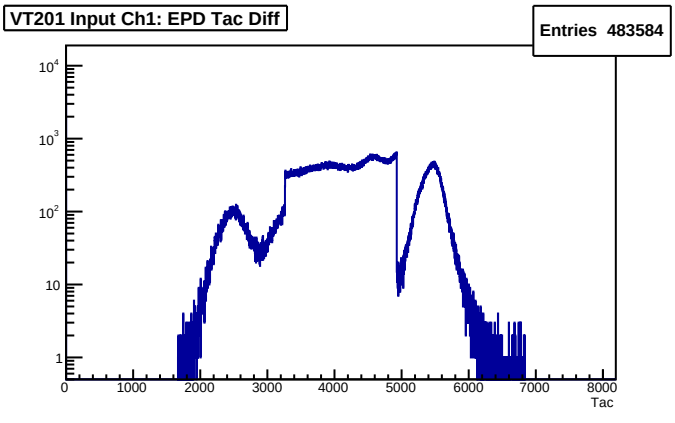

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

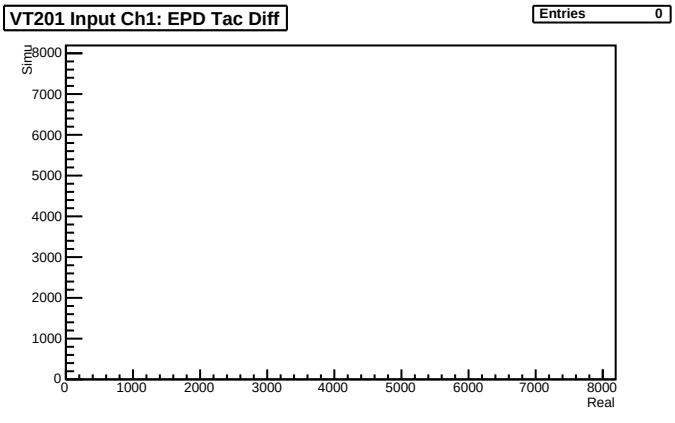

VT201 Input Ch0: BBC Small Tac Diff
Entries 483584
Tac

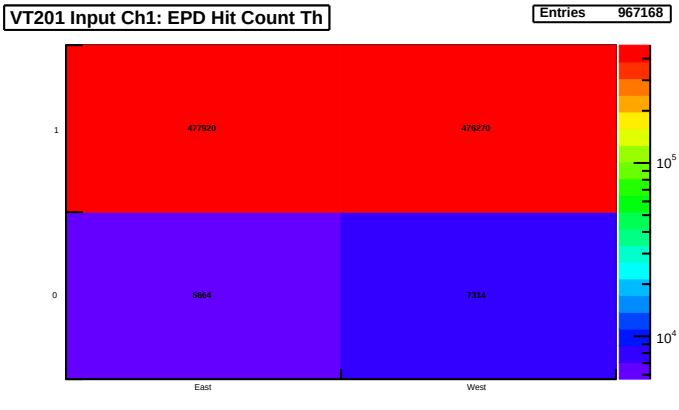

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

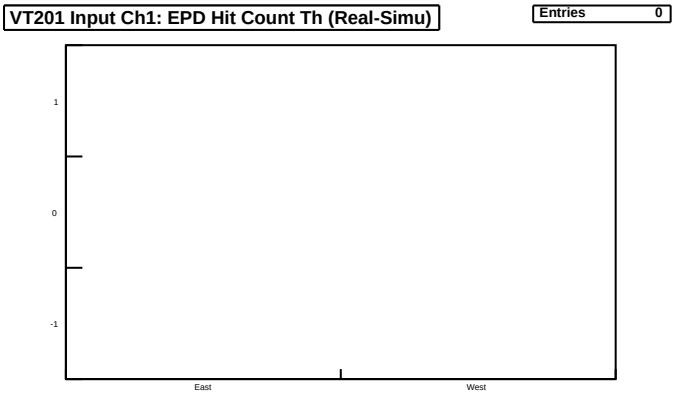

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 967168
336118
405212
147466
78372
East
West

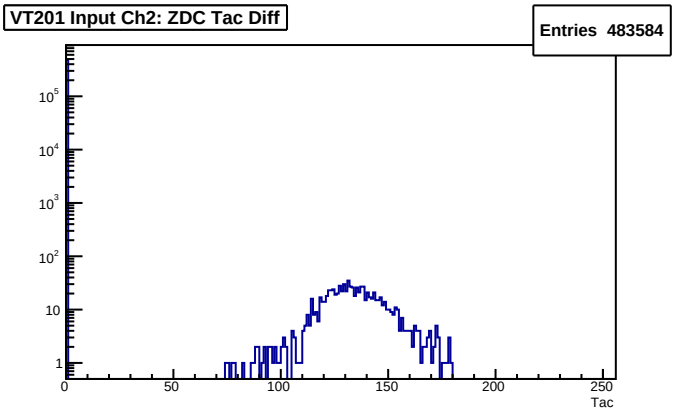

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

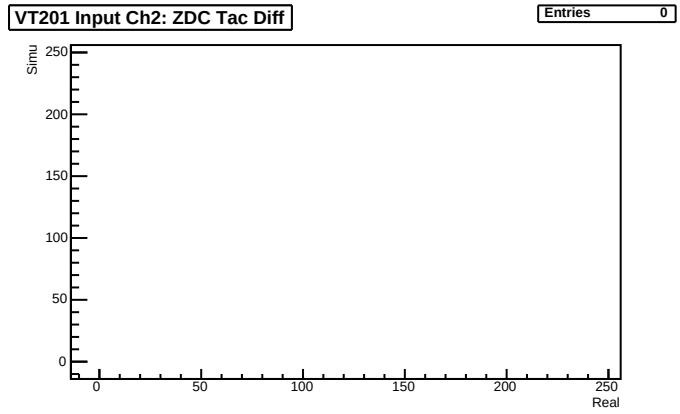

VT201 Input Ch1: EPD Tac Diff
Entries 483584
Tac

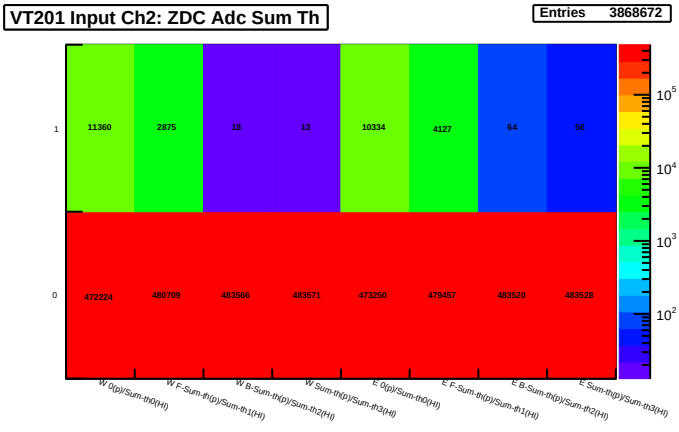

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

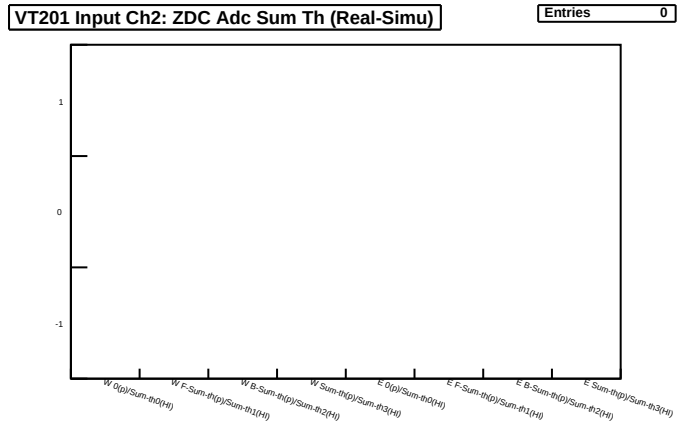

VT201 Input Ch1: EPD Hit Count Th
Entries 967168
477920
476270
5664
7314
East
West

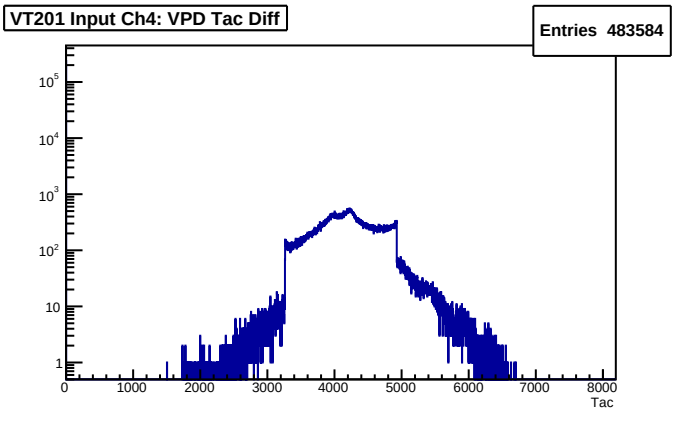

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

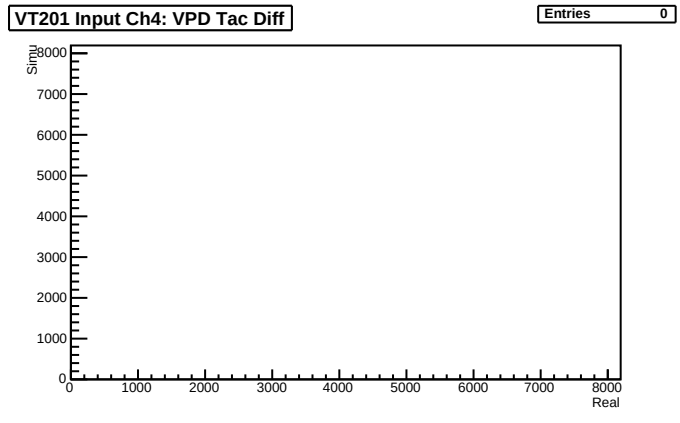

VT201 Input Ch2: ZDC Tac Diff
Entries 483584
Tac

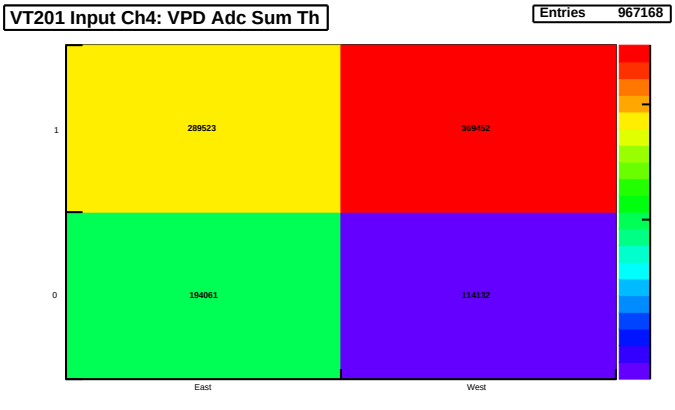

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

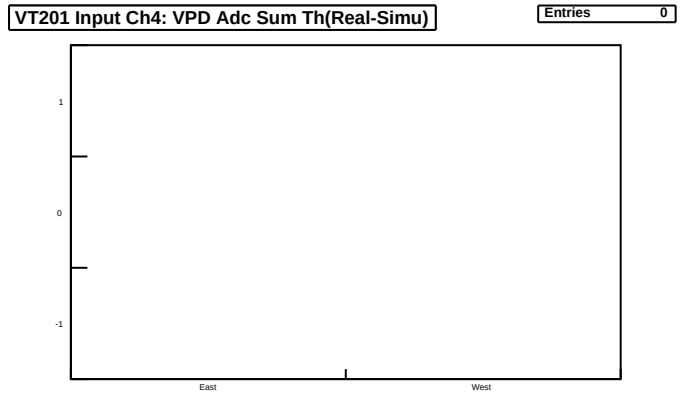

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3868672
11360
2875
18
13
10334
4127
64
56
472224
480709
483566
483571
473250
479457
483520
483528
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

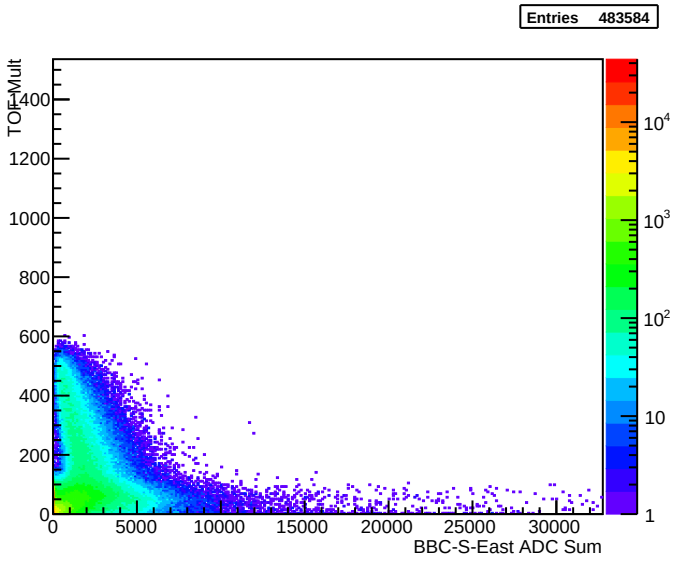

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

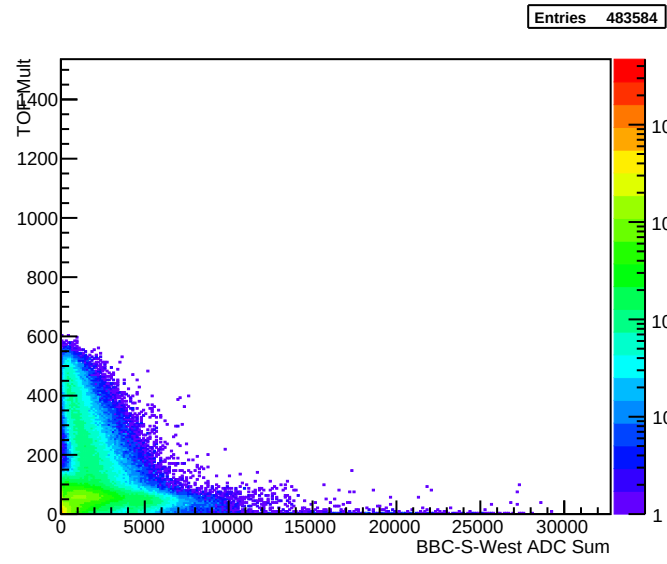

VT201 Input Ch4: VPD Tac Diff
Entries 483584
Tac

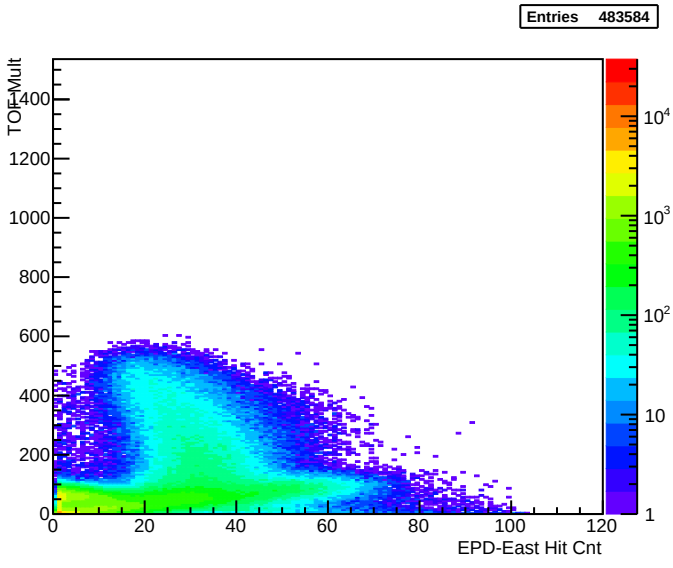

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

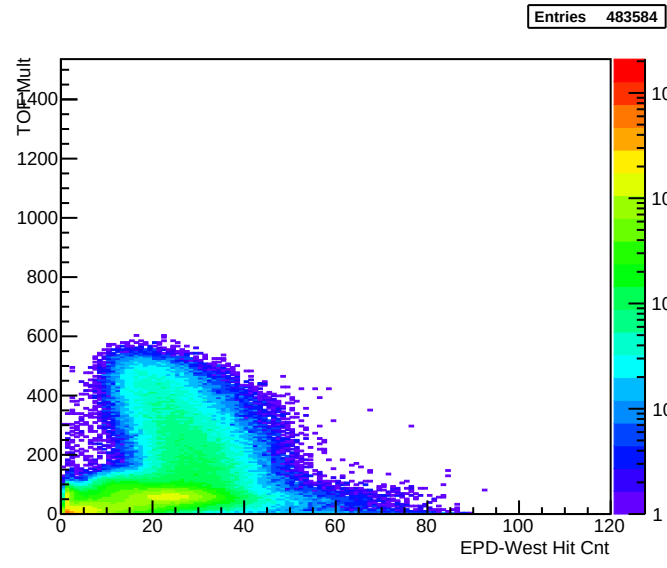

VT201 Input Ch4: VPD Adc Sum Th
Entries 967168
289523
369452
194061
114132
East
West

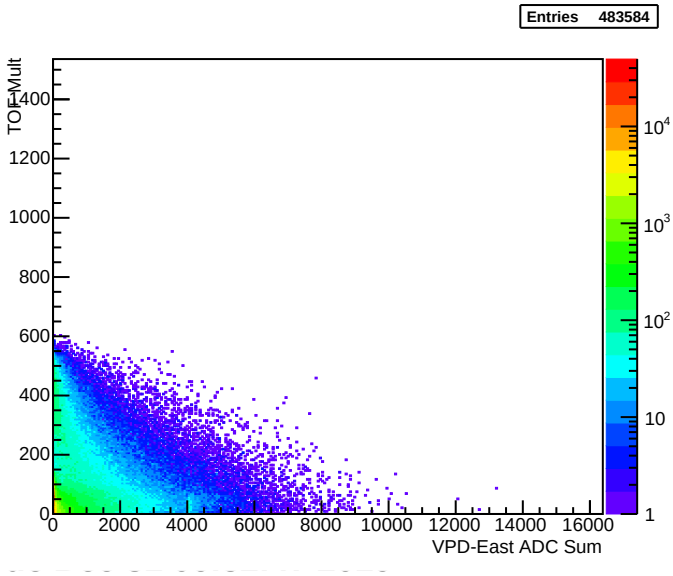

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

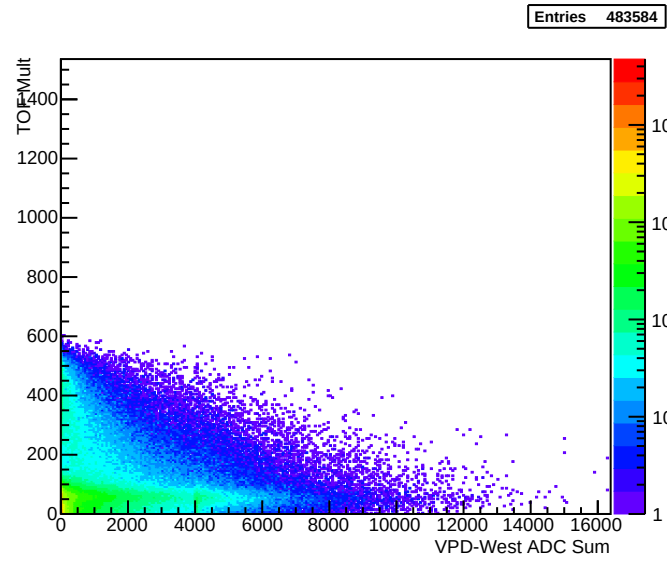

Entries 483584
TOF-Mult
BBC-S-East ADC Sum

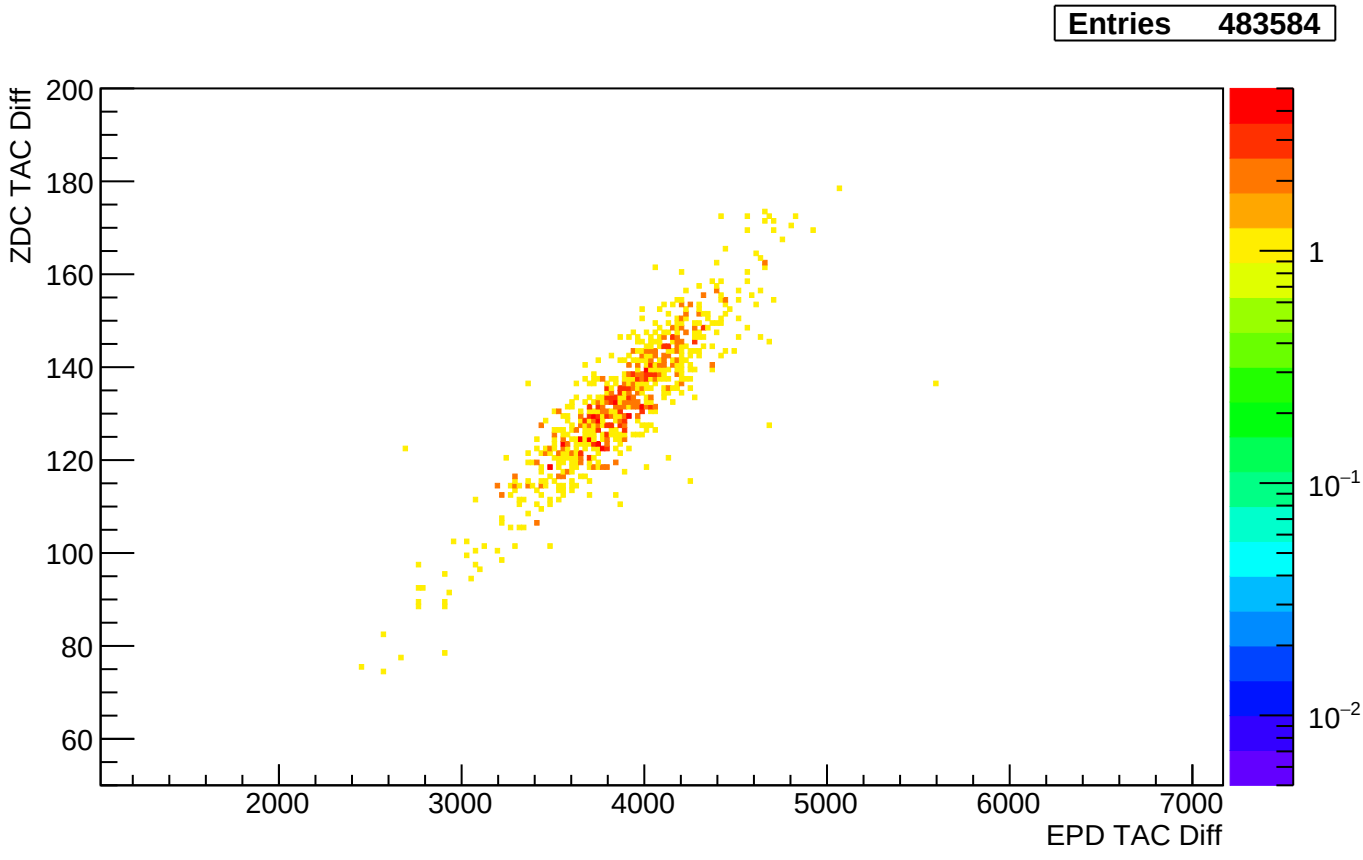

Entries 483584
TOF-Mult
BBC-S-West ADC Sum

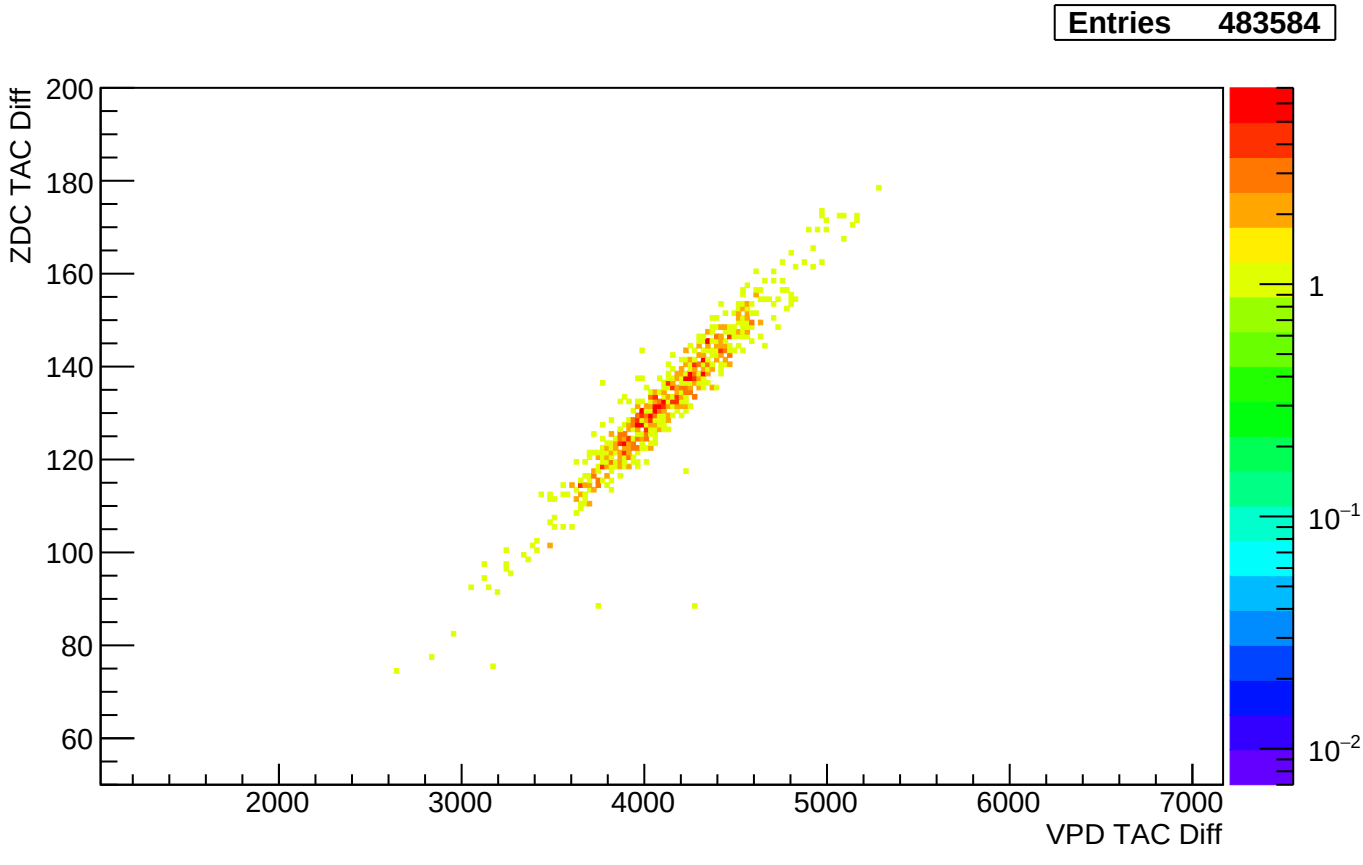

Entries 483584
TOF-Mult
EPD-East Hit Cnt

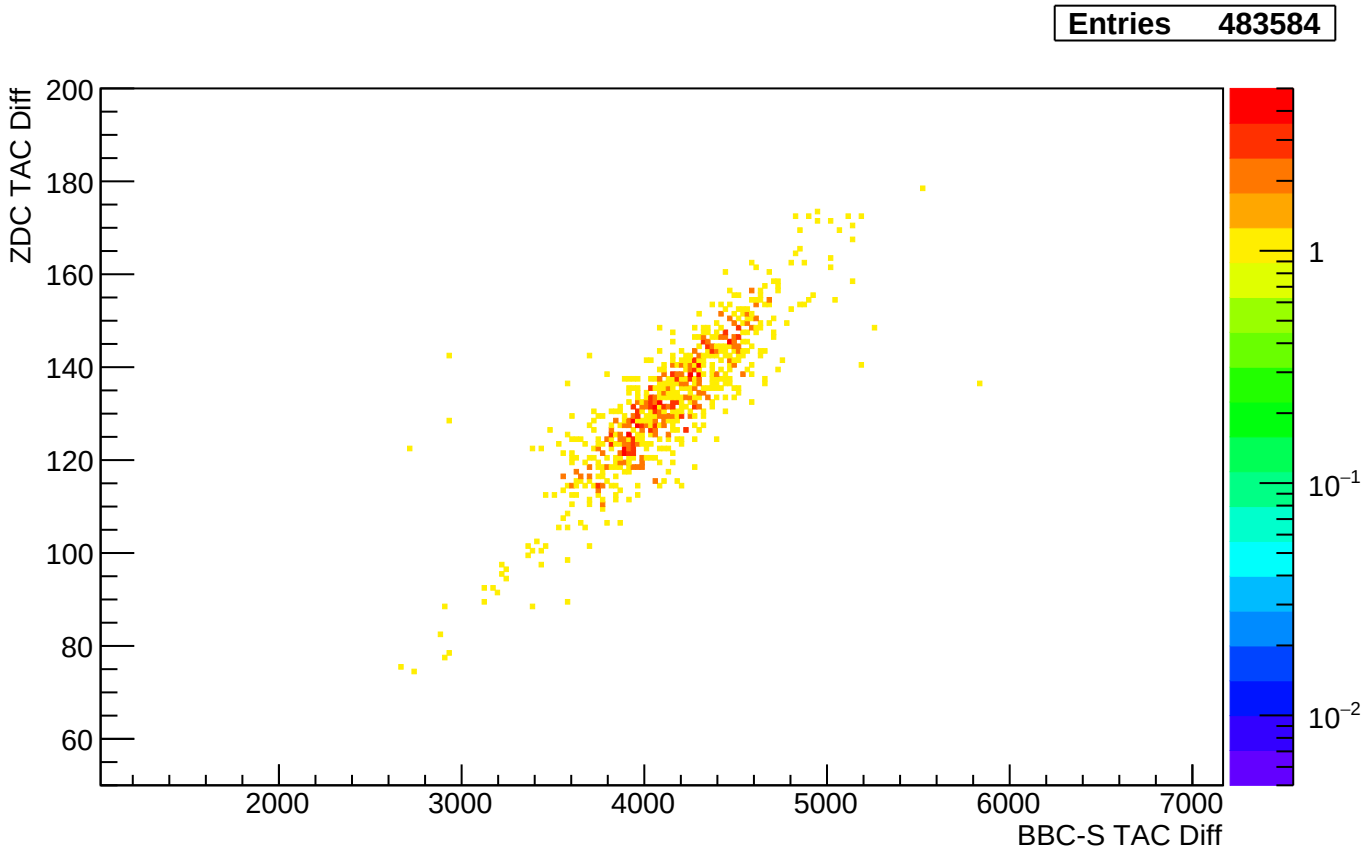

Entries 483584
TOF-Mult
EPD-West Hit Cnt

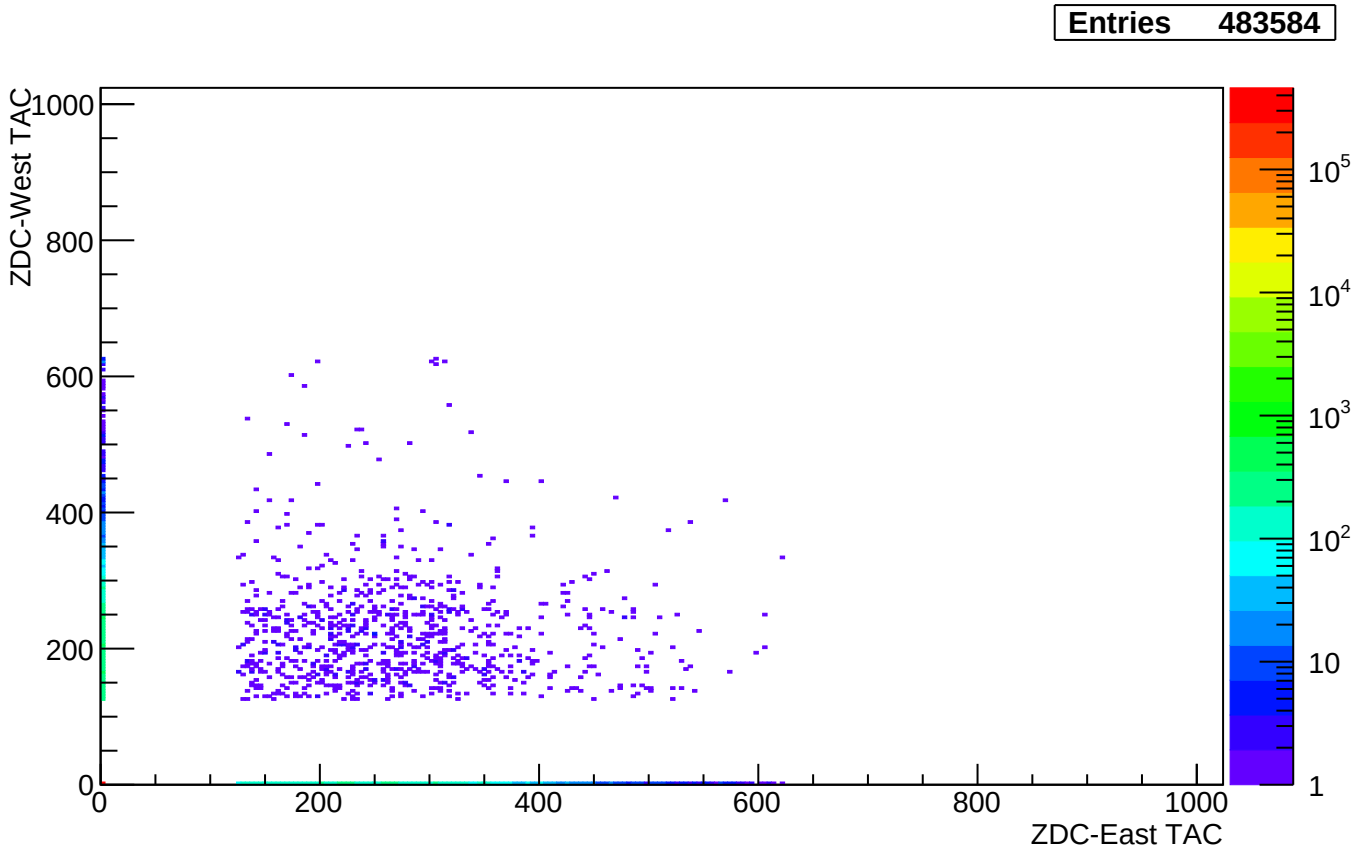

Entries 483584
TOF-Mult
VPD-East ADC Sum

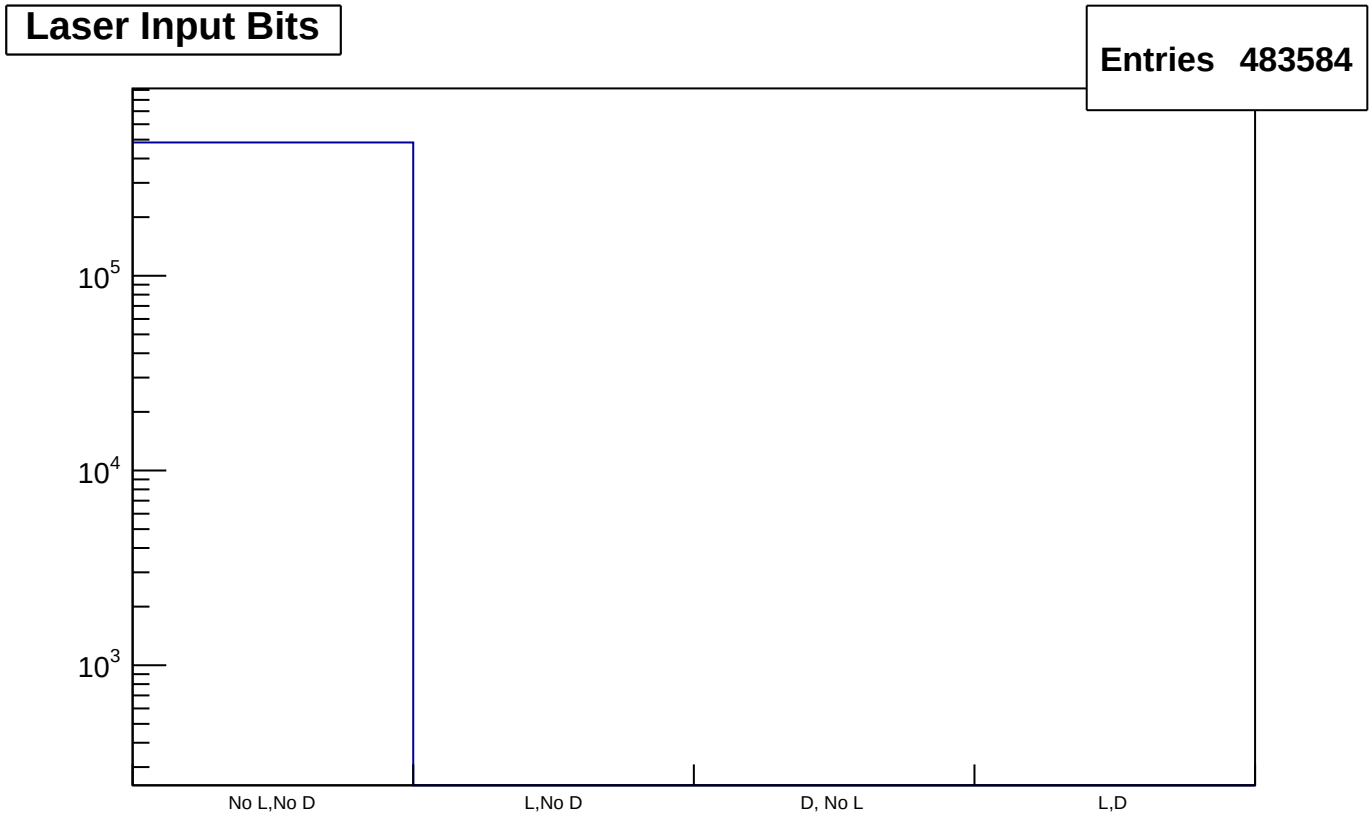

Entries 483584
TOF-Mult
VPD-West ADC Sum

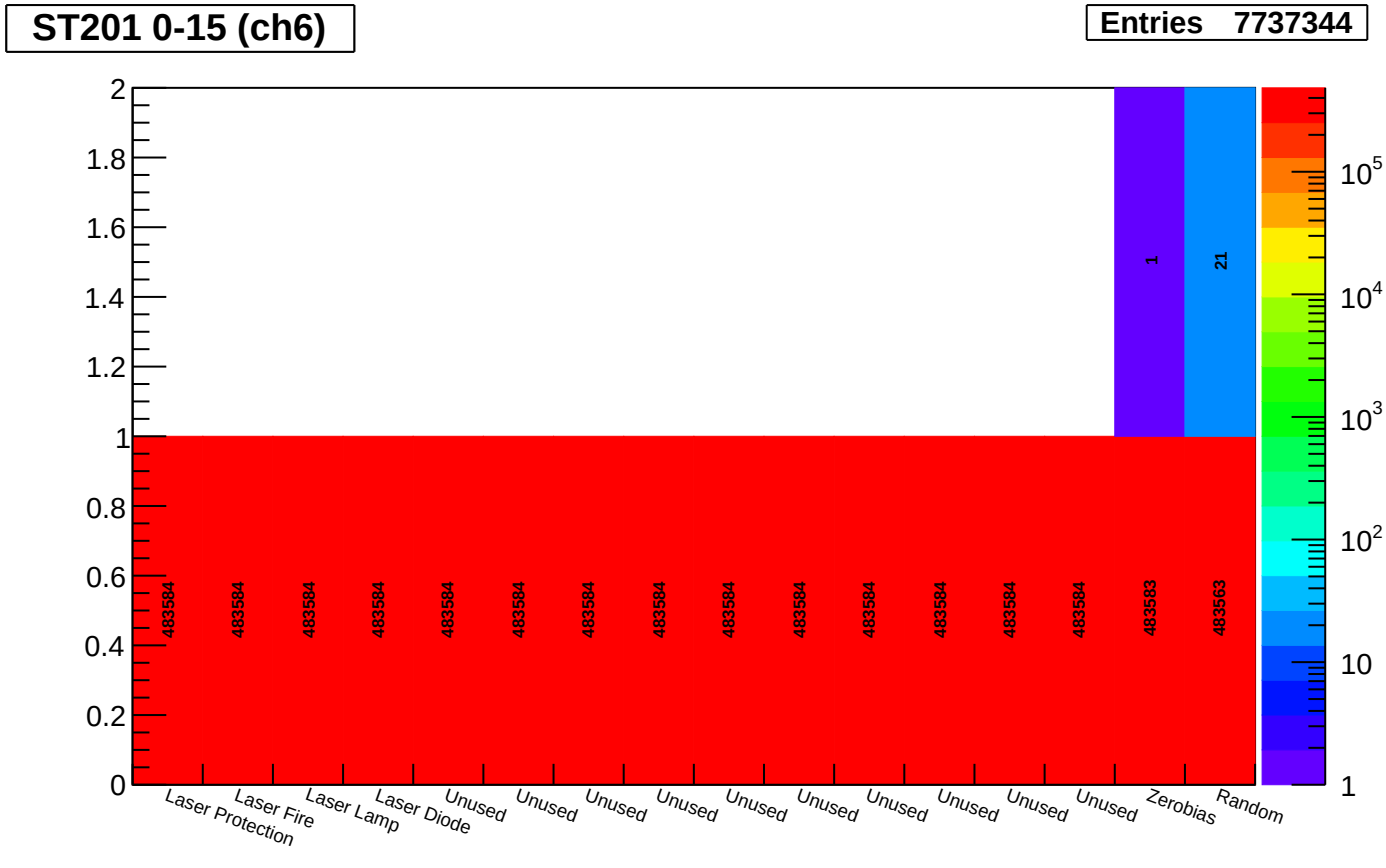

Entries 483584
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

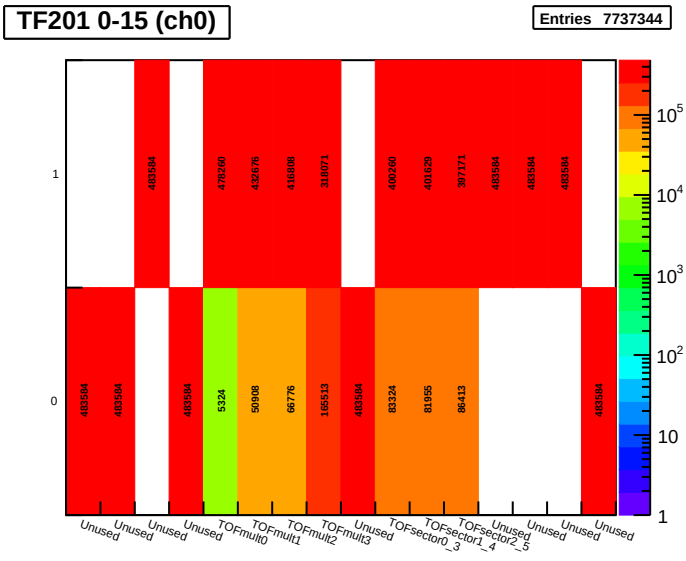

Entries 483584
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

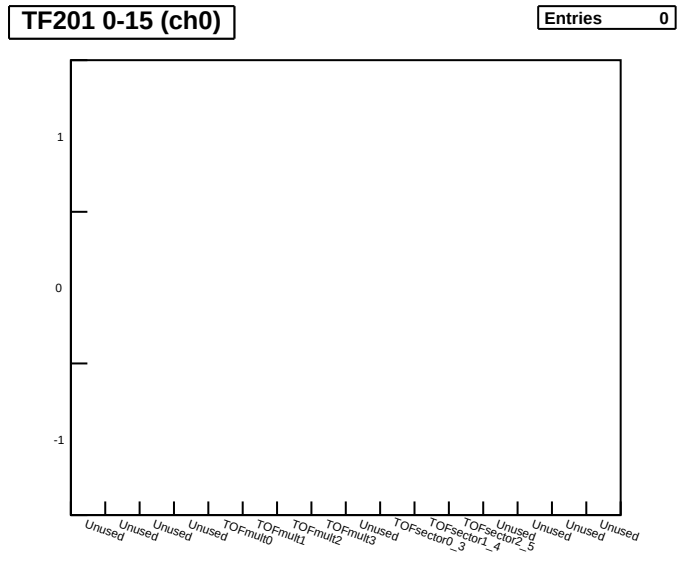

Entries 483584
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

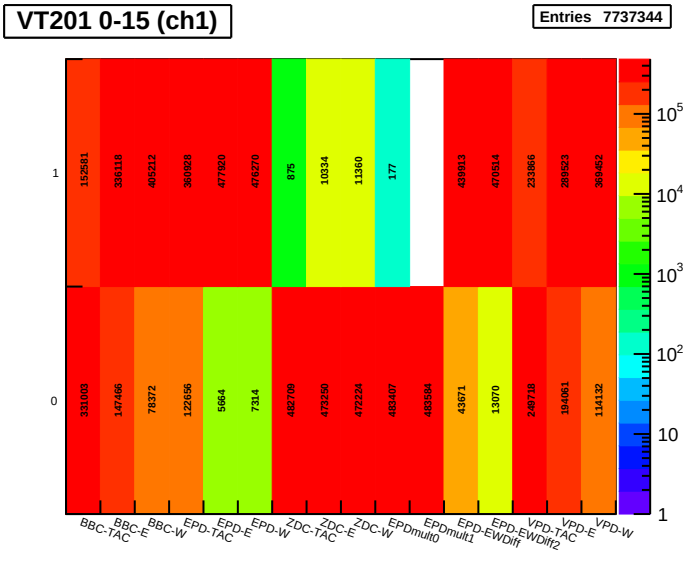

Entries 483584
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

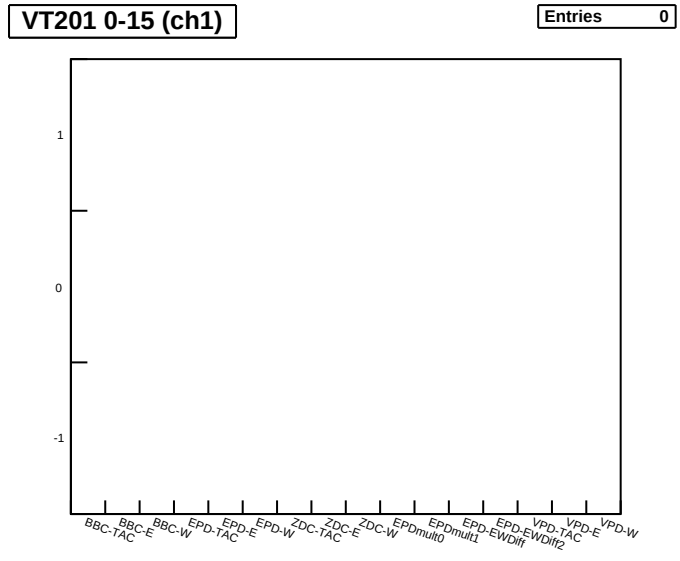

Laser Input Bits
Entries 483584
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

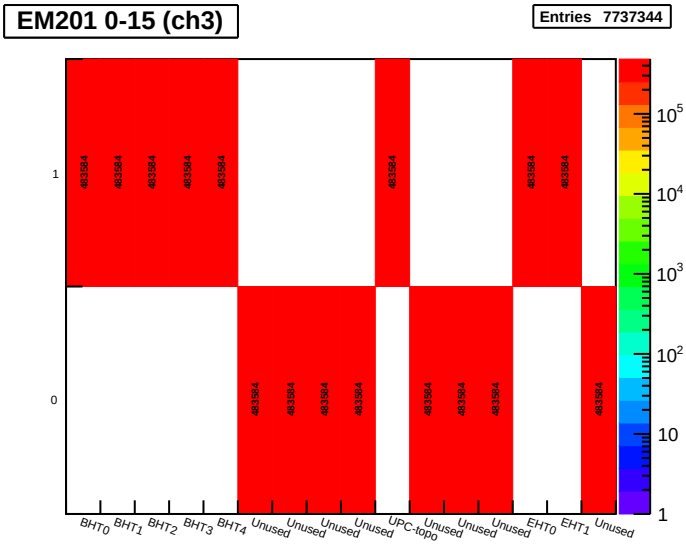

ST201 0-15 (ch6)
Entries 7737344
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
483584
483583
483563
1
21
10^5
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

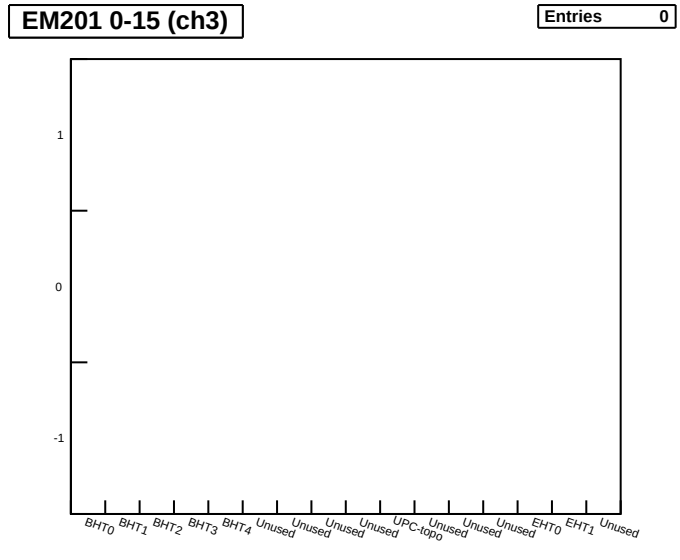

TF201 0-15 (ch0)
Entries 7737344
1
0
483584 483584 483584 483584 476260 432676 416808 318071 400260 401629 397171 483584 483584 483584
483584 483584 483584 5324 50908 66776 165513 483584 83324 81955 86413 483584
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


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


VT201 0-15 (ch1)
Entries 7737344
1
0
152581 336118 405212 360928 477920 476270 875 10334 11360 177 439913 470514 233866 289523 369452
331003 147466 78372 122656 5664 7314 482709 473250 472224 483407 483584 43671 13070 248716 194061 114132
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 7737344
1
0
483584 483584 483584 483584 483584 483584 483584 483584
483584 483584 483584 483584 483584 483584 483584 483584
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