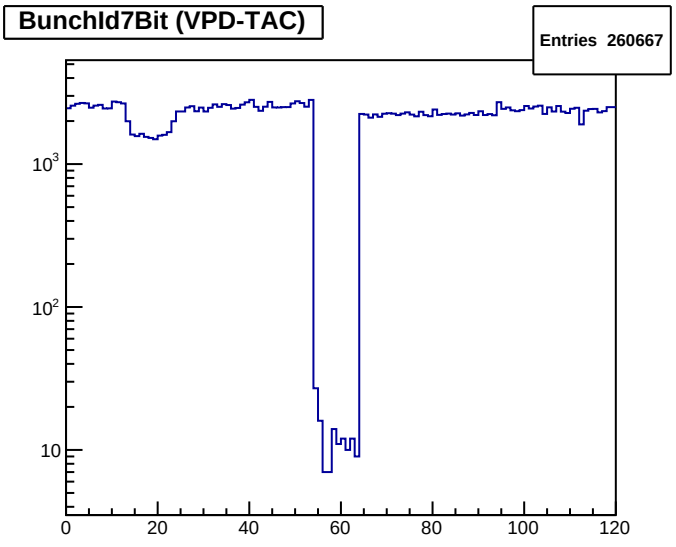
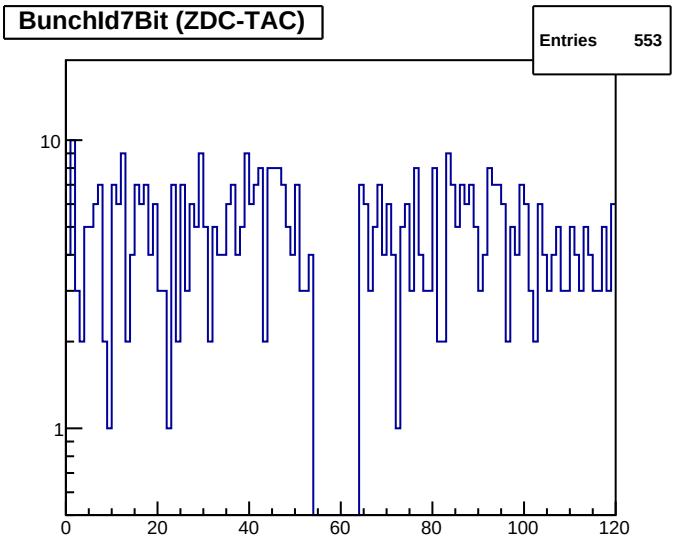
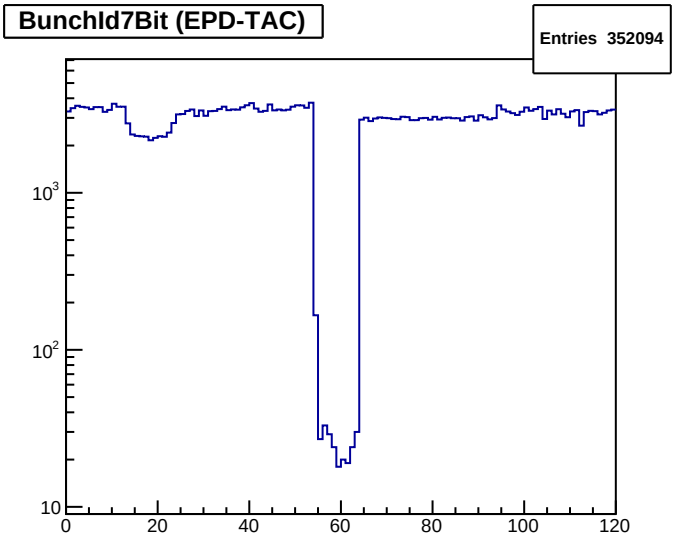
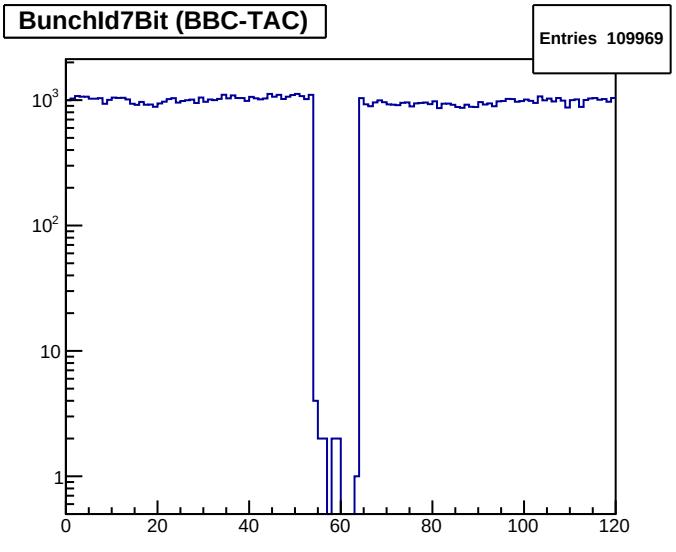
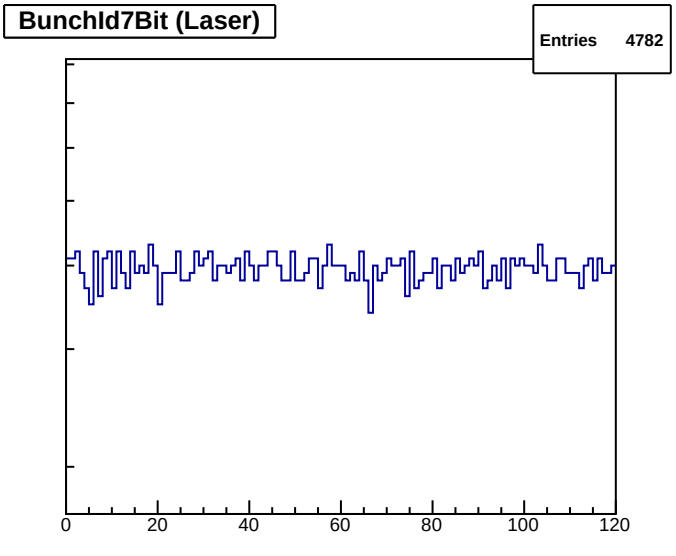
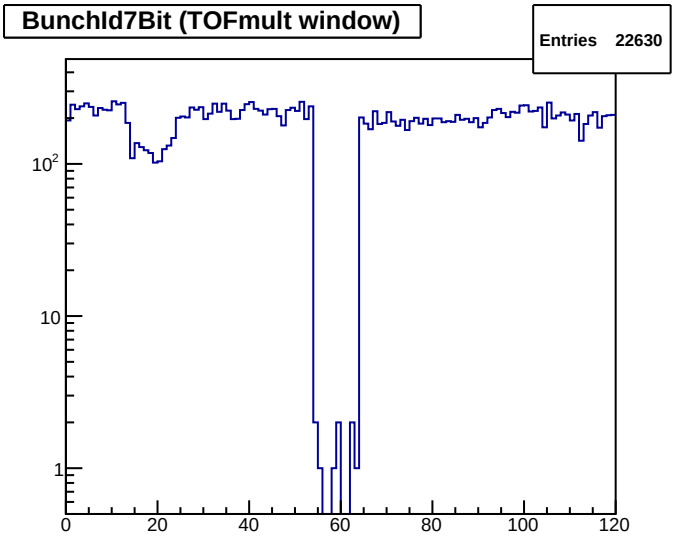

BunchId7Bit (VPD-TAC)
Entries 260667
10^3
10^2
10
0 20 40 60 80 100 120

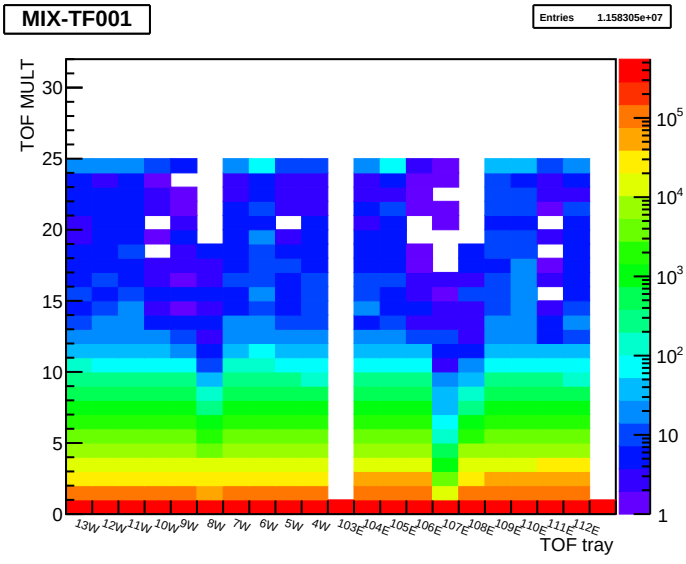

BunchId7Bit (ZDC-TAC)
Entries 553
10
1
0 20 40 60 80 100 120

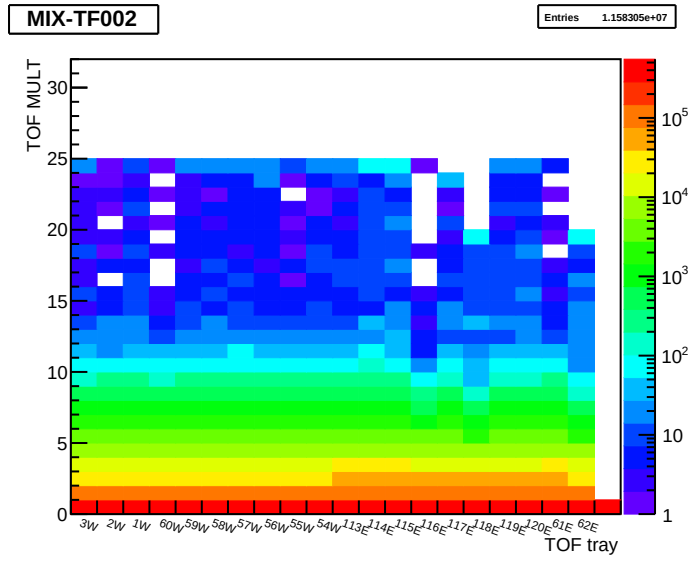

BunchId7Bit (EPD-TAC)
Entries 352094
10^3
10^2
10
0 20 40 60 80 100 120

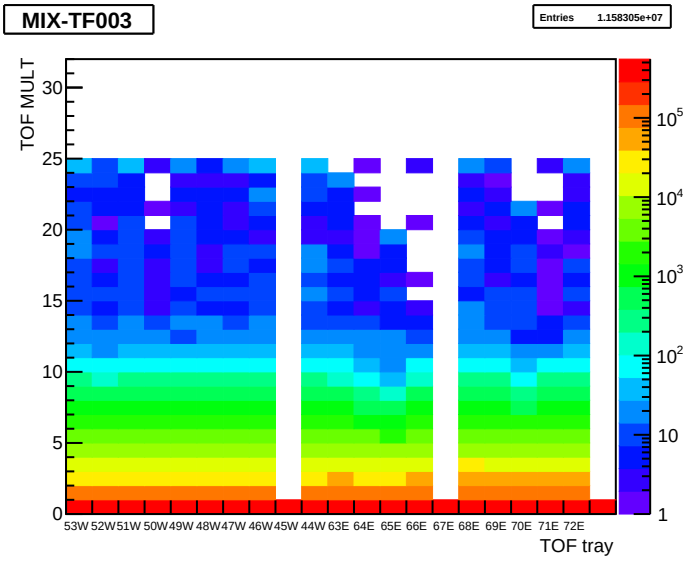

BunchId7Bit (BBC-TAC)
Entries 109969
10^3
10^2
10
1
0 20 40 60 80 100 120

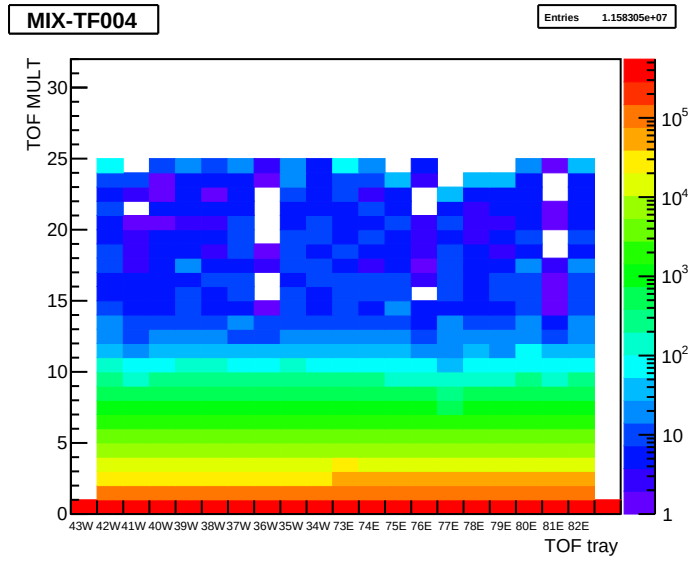

BunchId7Bit (Laser)
Entries 4782
0 20 40 60 80 100 120

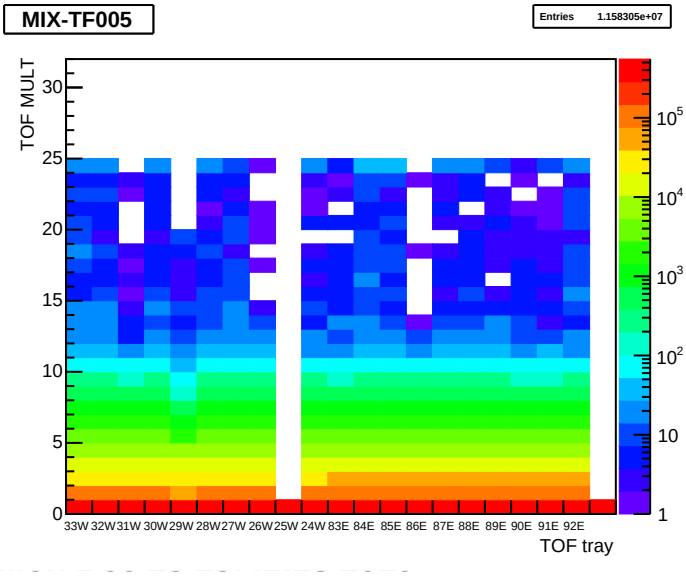

BunchId7Bit (TOFmult window)
Entries 22630
10^2
10
1
0 20 40 60 80 100 120

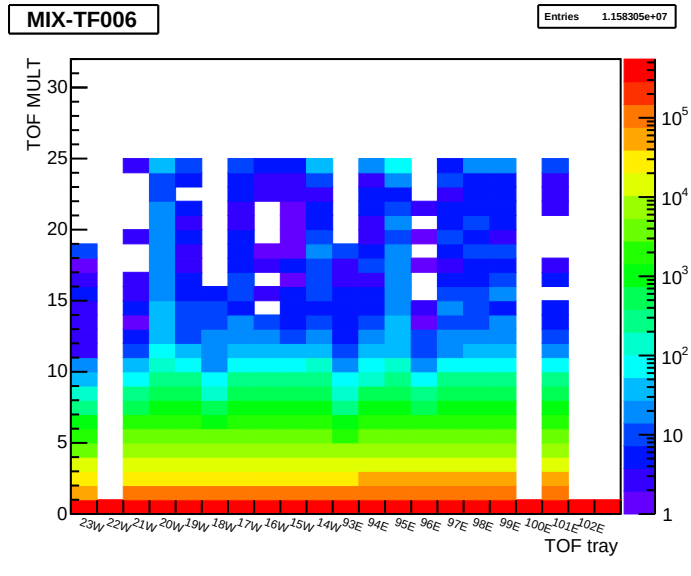

MIX-TF001
Entries 1.158305e+07
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

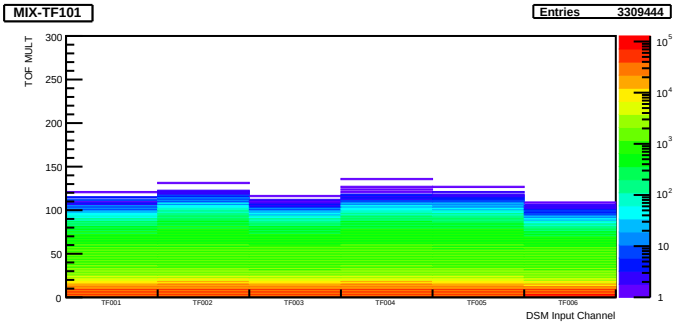

MIX-TF002
Entries 1.158305e+07
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

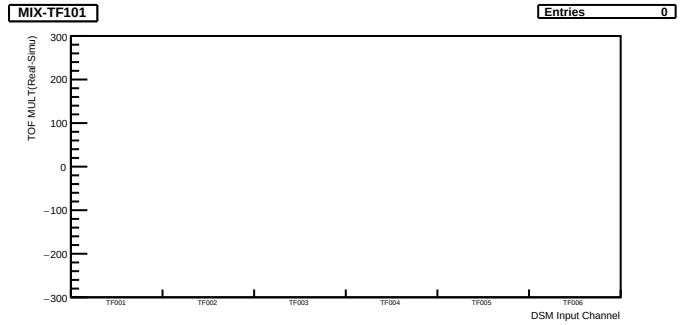

MIX-TF003
Entries 1.158305e+07
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

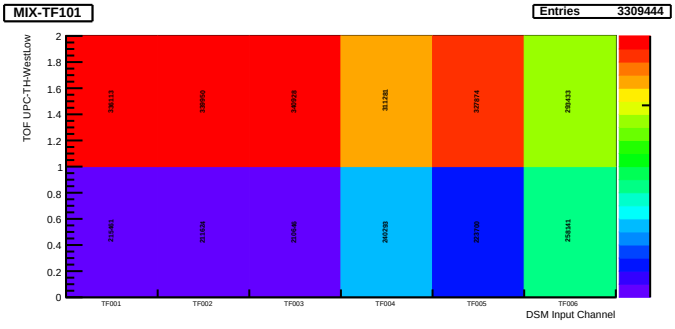

MIX-TF004
Entries 1.158305e+07
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

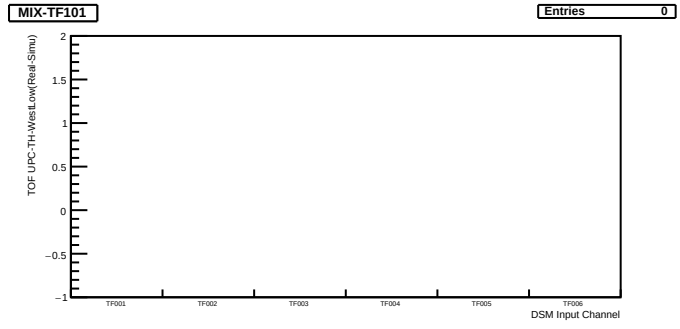

MIX-TF005
Entries 1.158305e+07
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

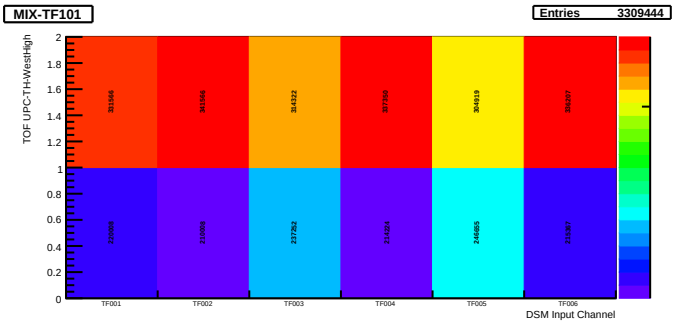

MIX-TF006
Entries 1.158305e+07
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

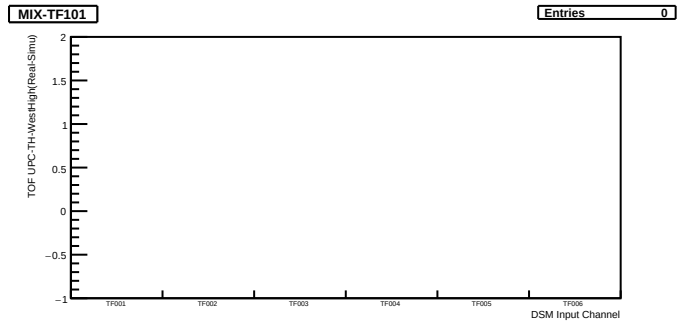

MIX-TF101
Entries 3309444
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

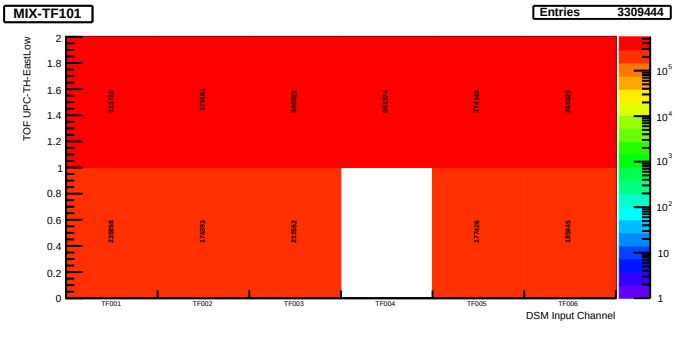

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

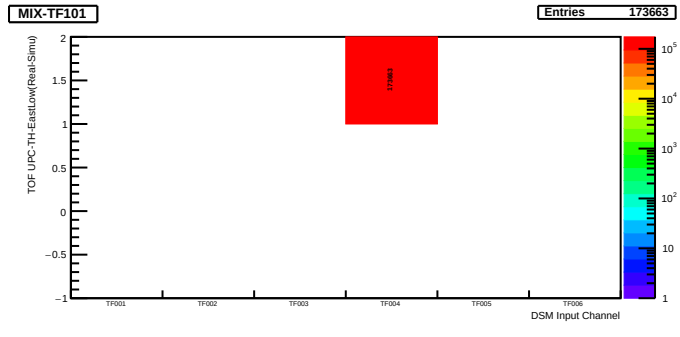

MIX-TF101
Entries 3309444
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

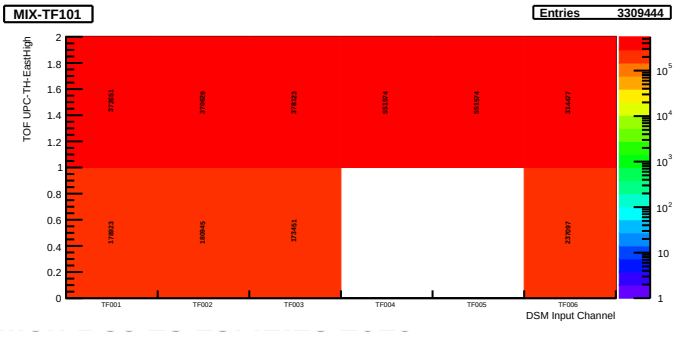

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

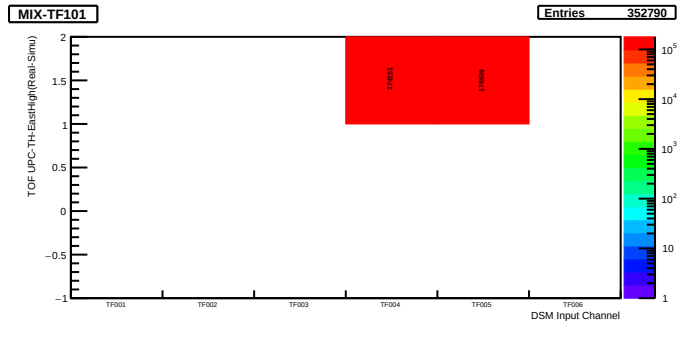

MIX-TF101
Entries 3309444
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

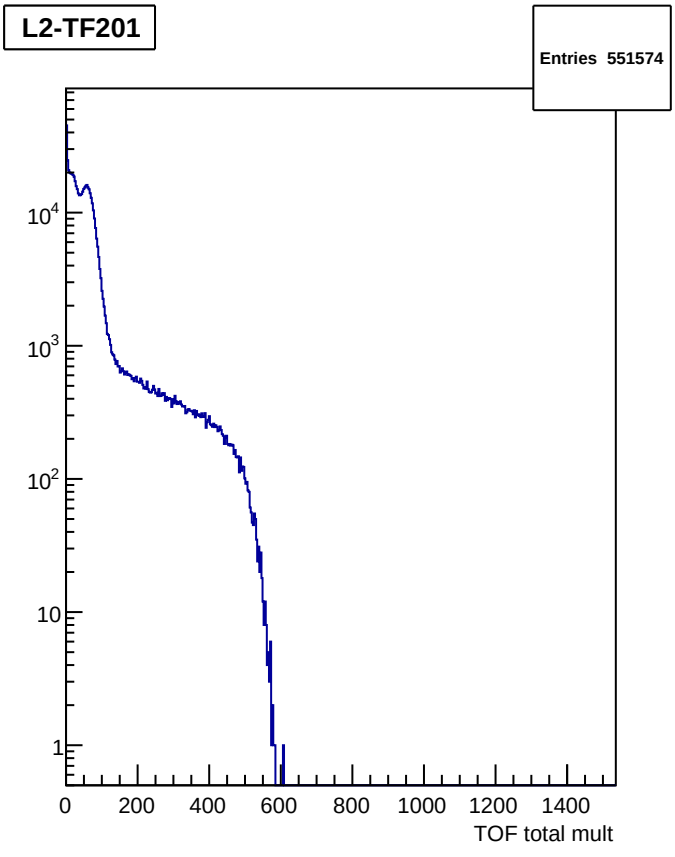

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

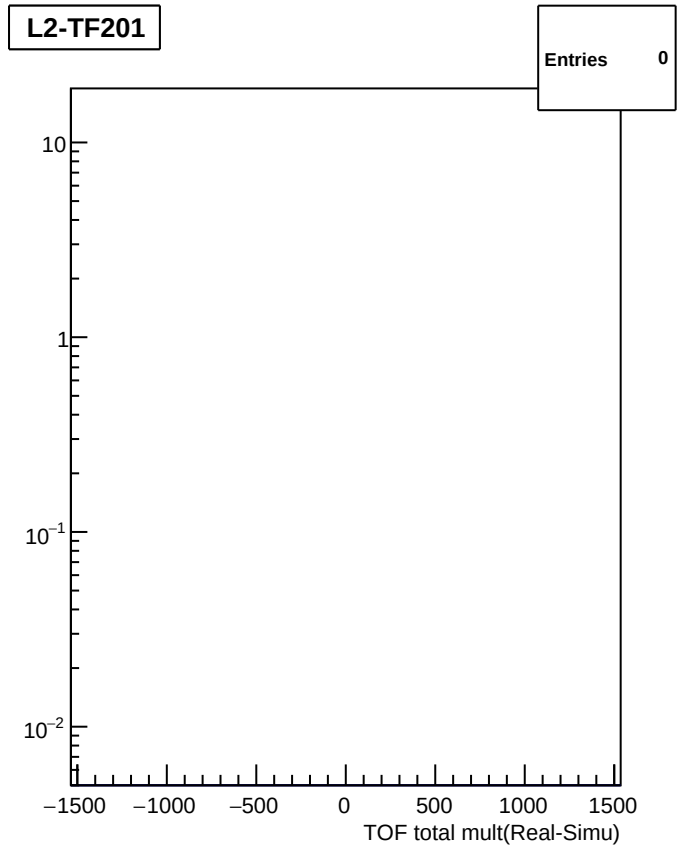

MIX-TF101
Entries 3309444
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

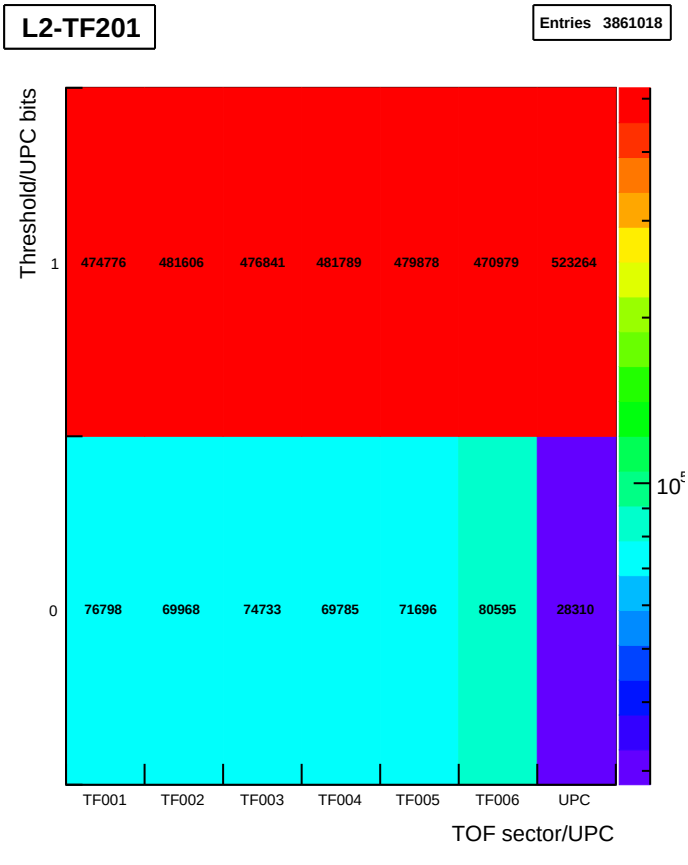

MIX-TF101
Entries 173663
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

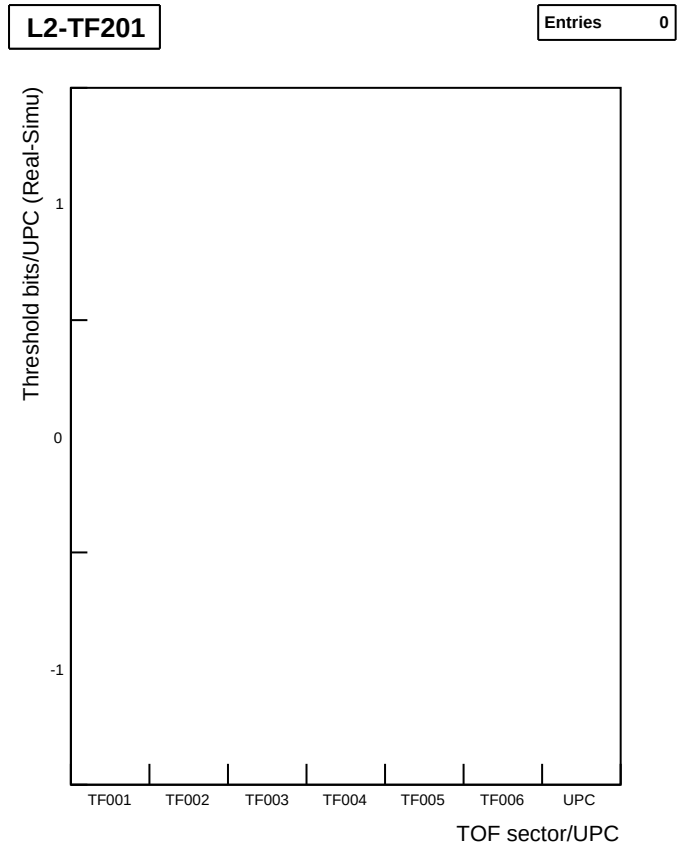

MIX-TF101
Entries 3309444
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

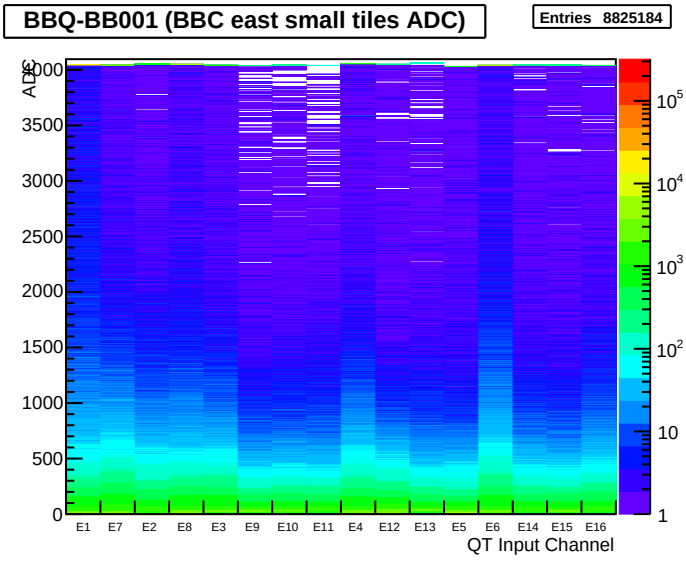

MIX-TF101
Entries 352790
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

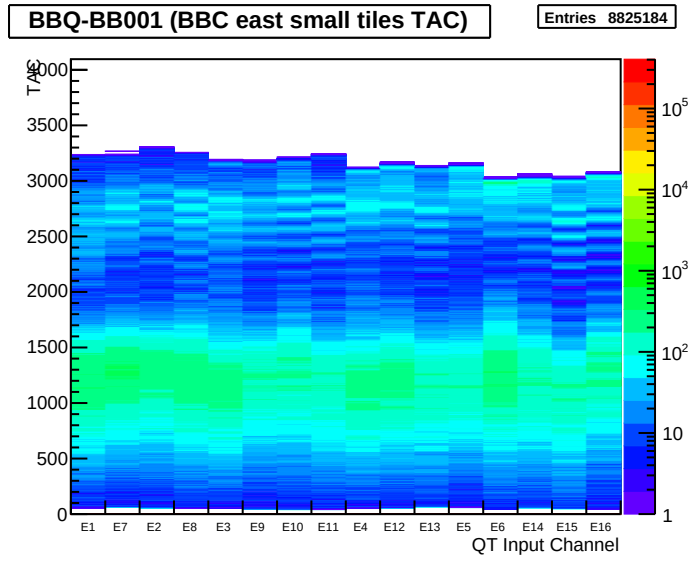

L2-TF201
Entries 551574
TOF total mult

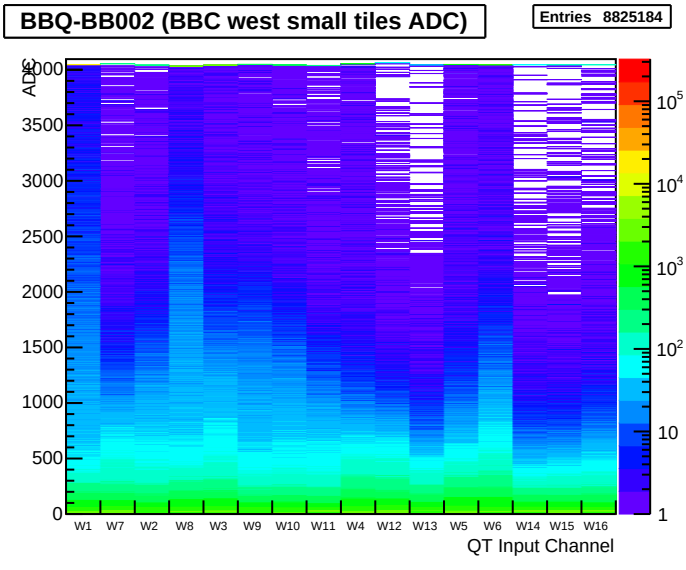

L2-TF201
Entries 0
TOF total mult(Real-Simu)

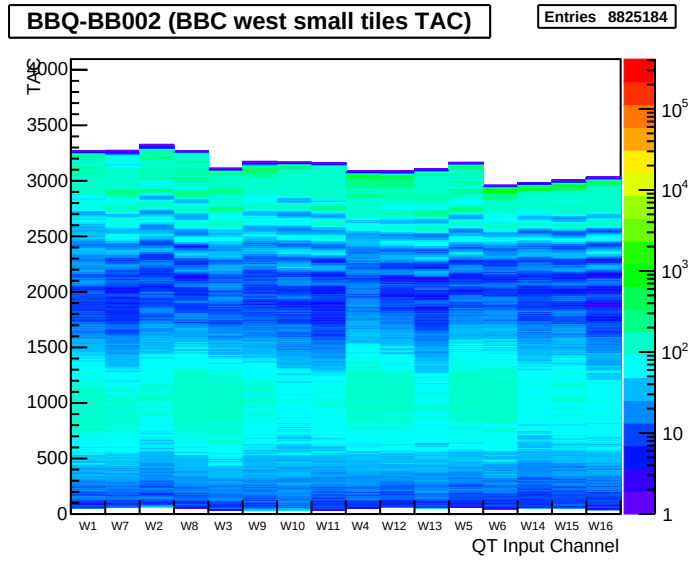

L2-TF201
Entries 3861018
Threshold/UPC bits
474776
481606
476841
481789
479878
470979
523264
76798
69968
74733
69785
71696
80595
28310
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

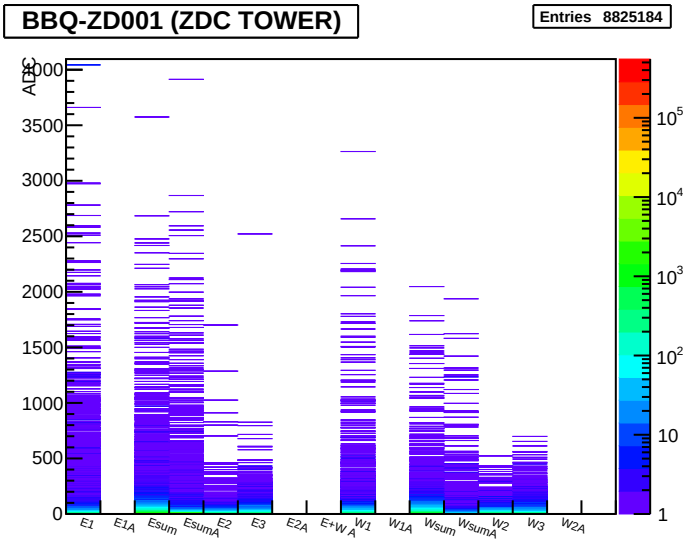

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

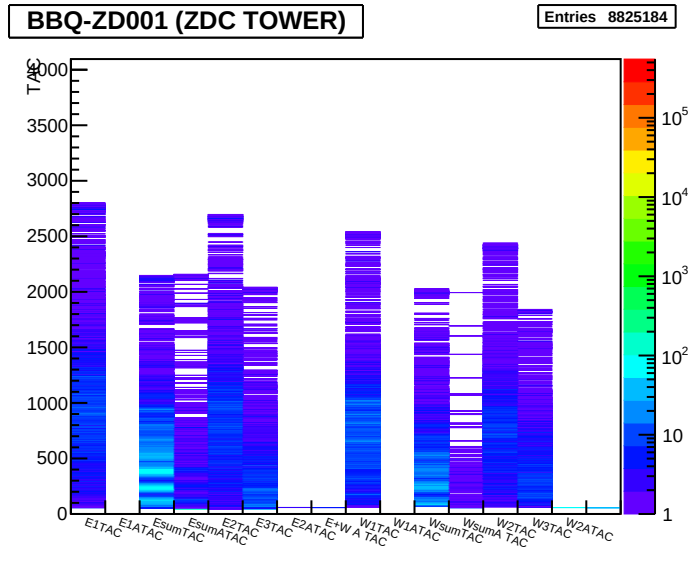

BBQ-BB001 (BBC east small tiles ADC)
Entries 8825184
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

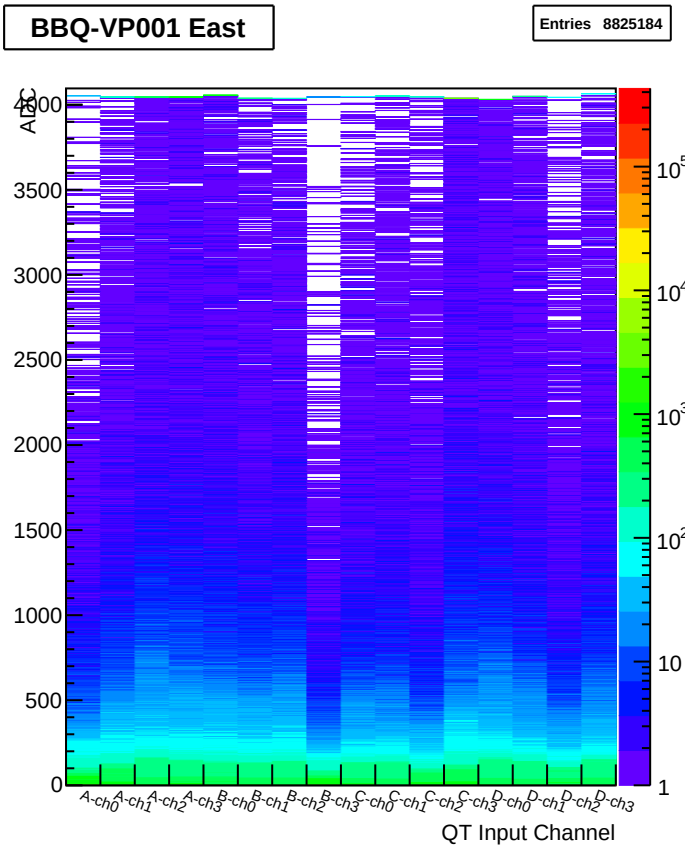

BBQ-BB001 (BBC east small tiles TAC)
Entries 8825184
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

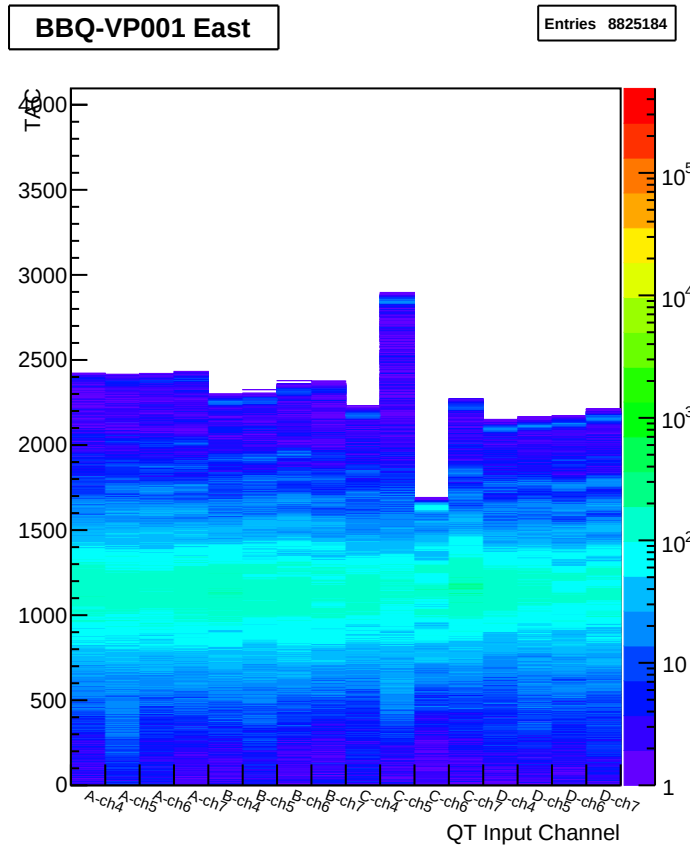

BBQ-BB002 (BBC west small tiles ADC)
Entries 8825184
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

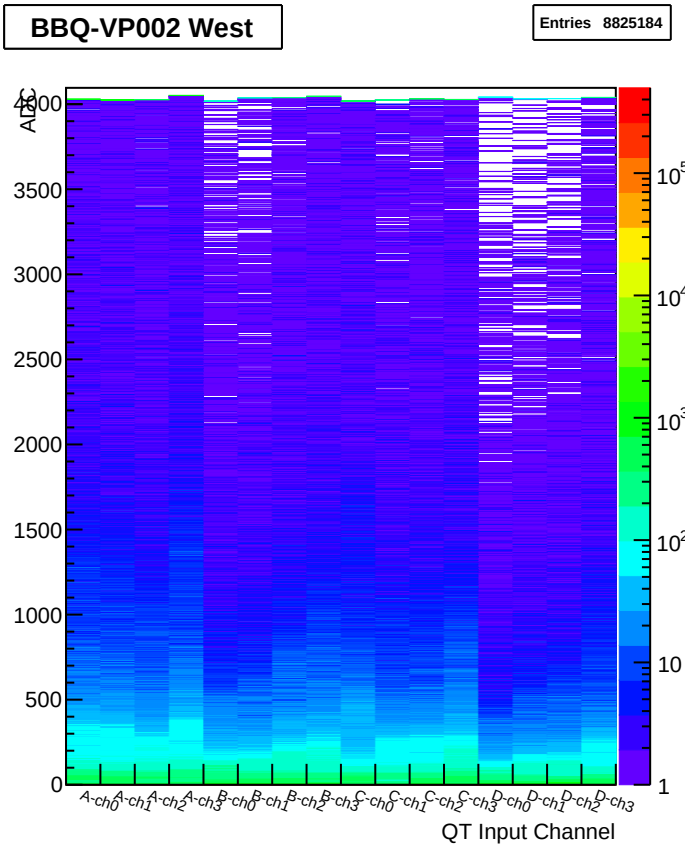

BBQ-BB002 (BBC west small tiles TAC)
Entries 8825184
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

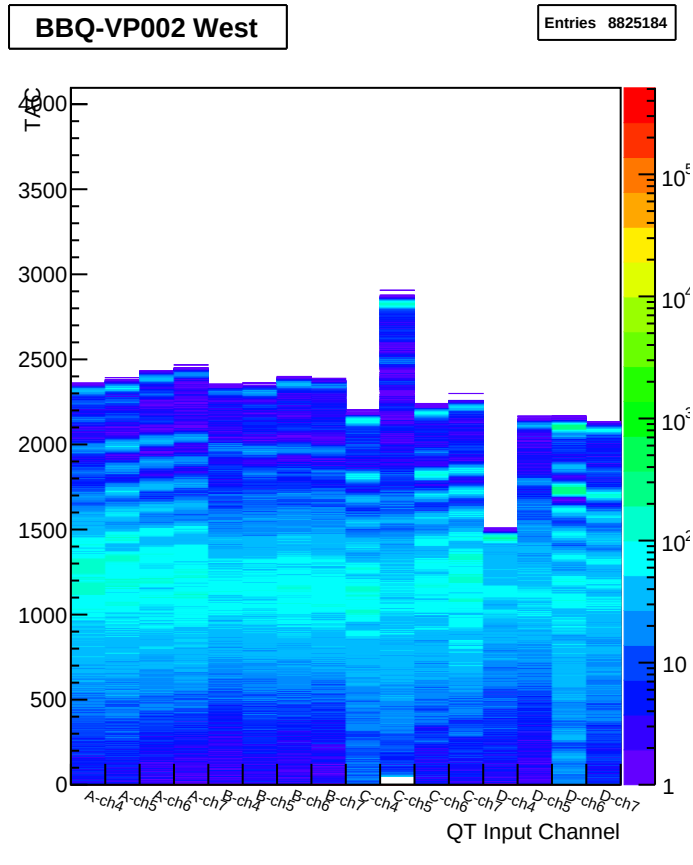

BBQ-ZD001 (ZDC TOWER)
Entries 8825184
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

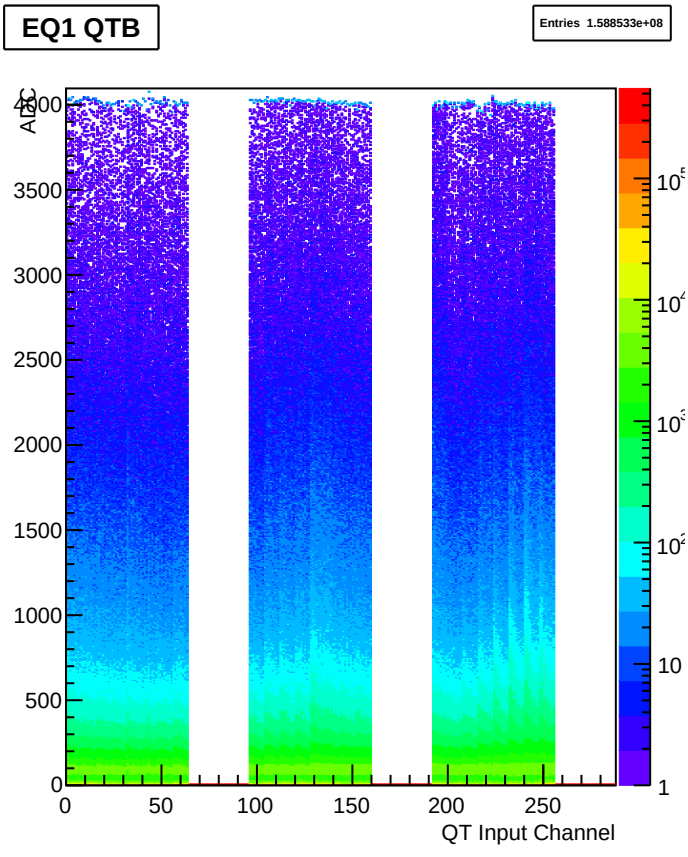

BBQ-ZD001 (ZDC TOWER)
Entries 8825184
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

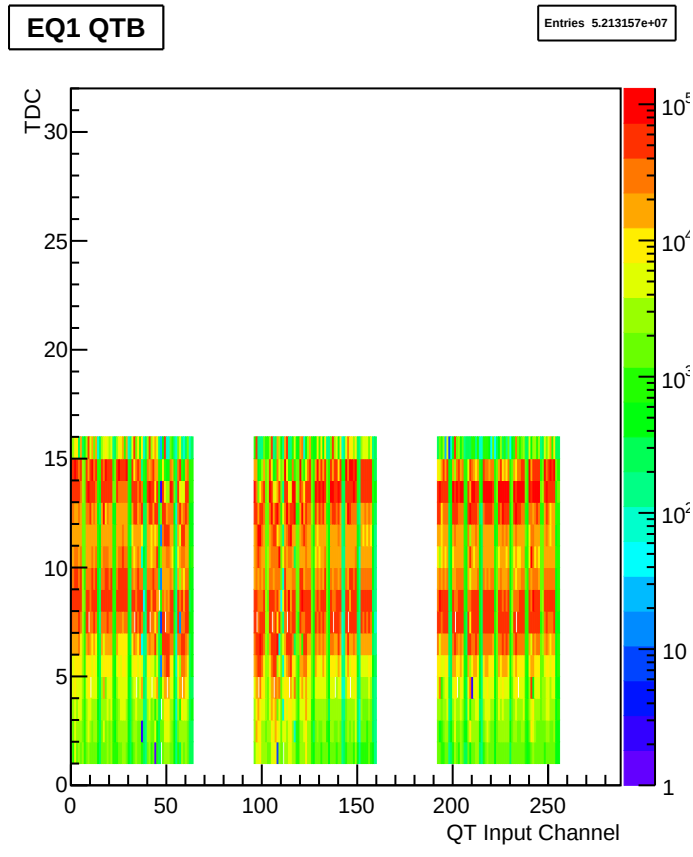

BBQ-VP001 East
Entries 8825184
ADC
QT Input Channel

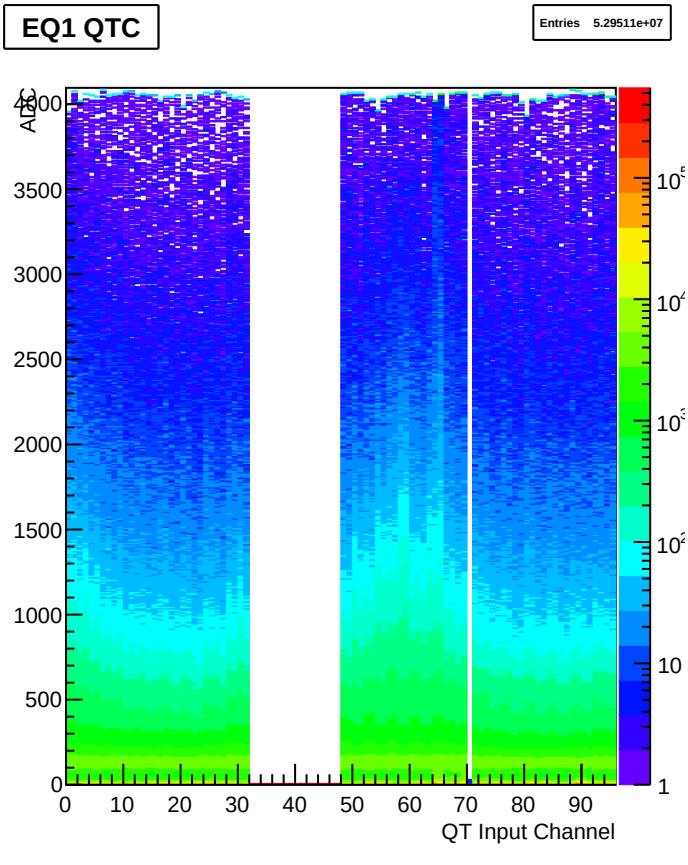

BBQ-VP001 East
Entries 8825184
ADC
QT Input Channel

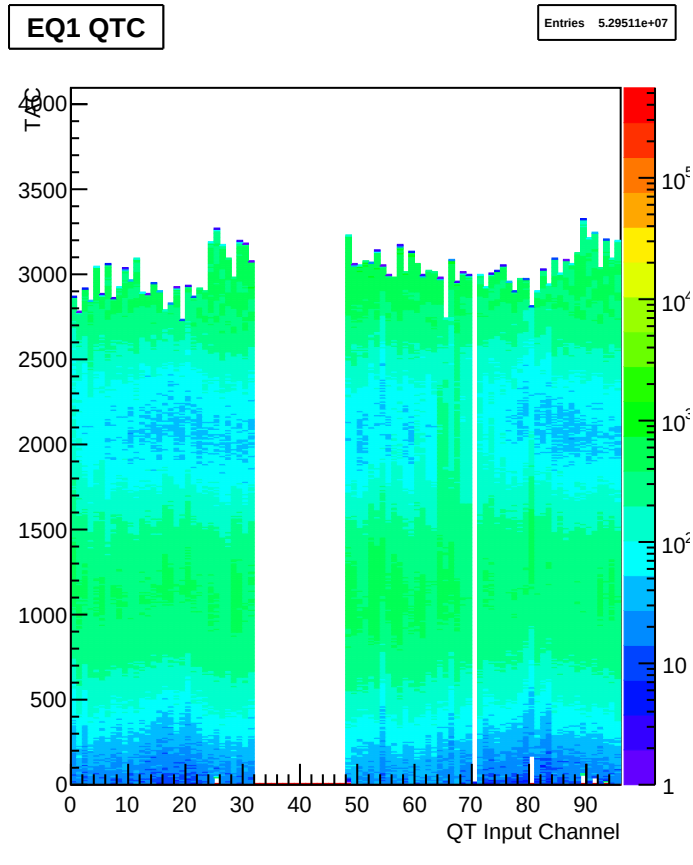

BBQ-VP002 West
Entries 8825184
ADC
QT Input Channel

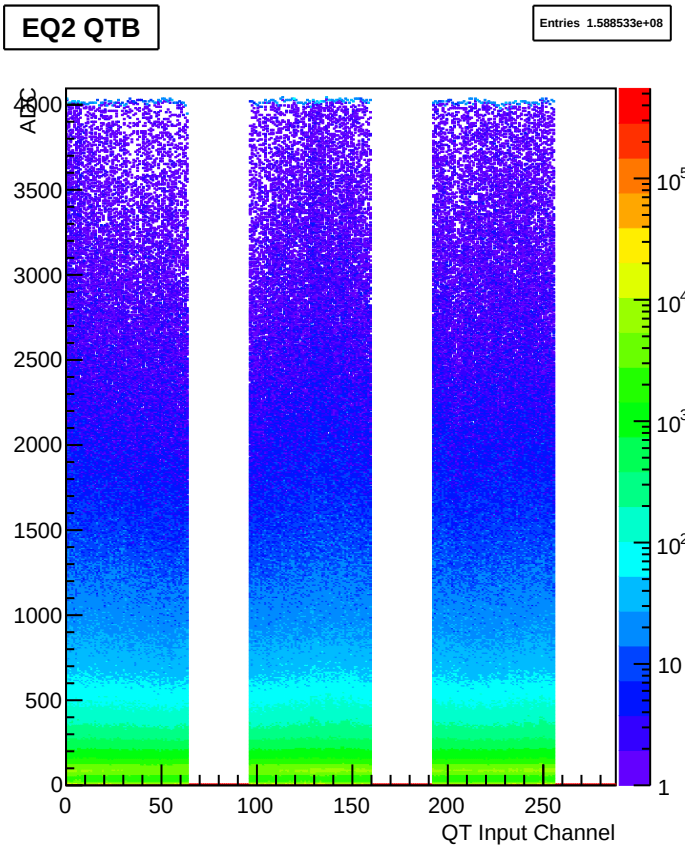

BBQ-VP002 West
Entries 8825184
ADC
QT Input Channel

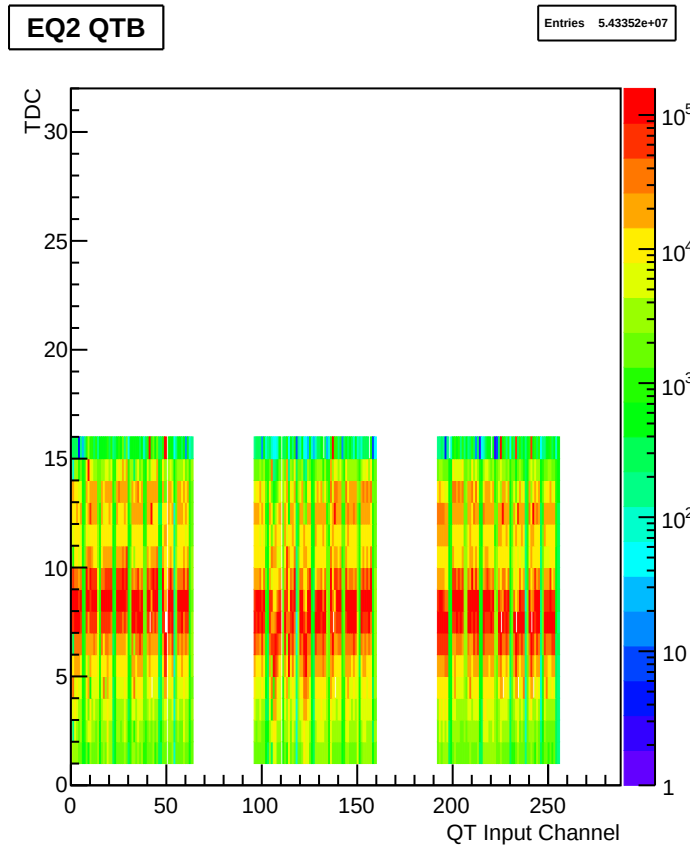

EQ1 QTB
Entries 1.588533e+08
ADC
QT Input Channel

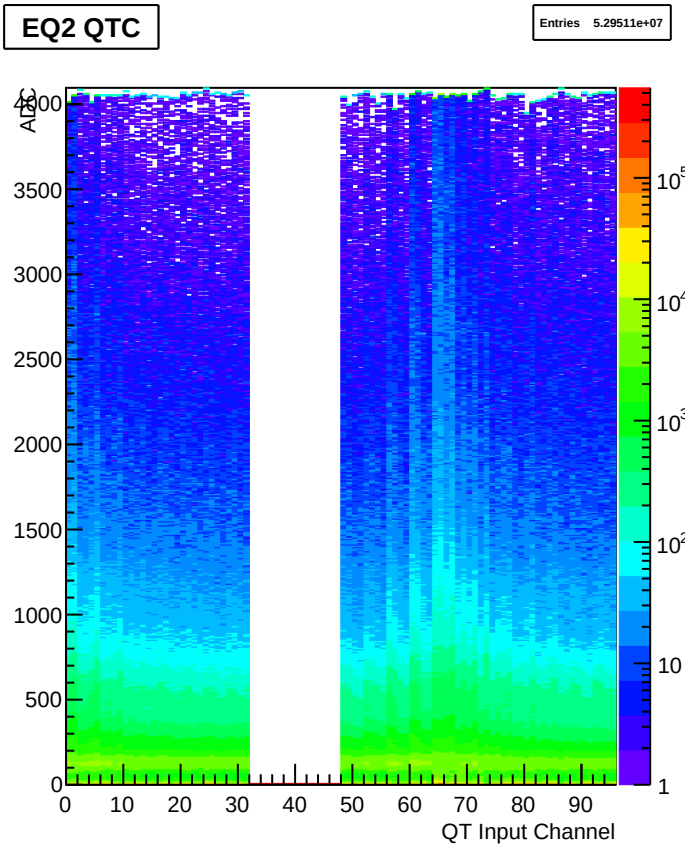

EQ1 QTB
Entries 5.213157e+07
TDC
QT Input Channel

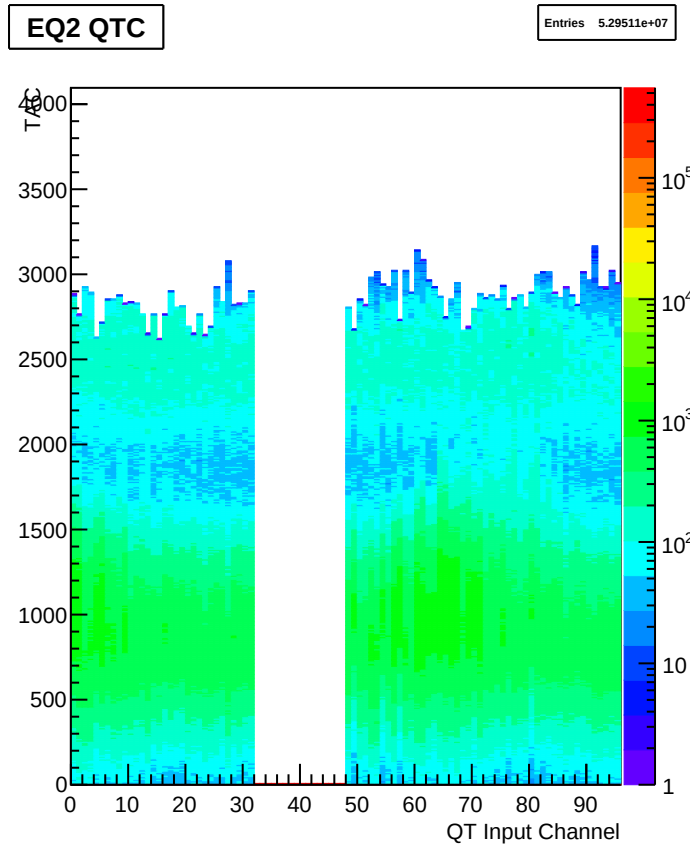

EQ1 QTC
Entries 5.29511e+07
ADC
QT Input Channel

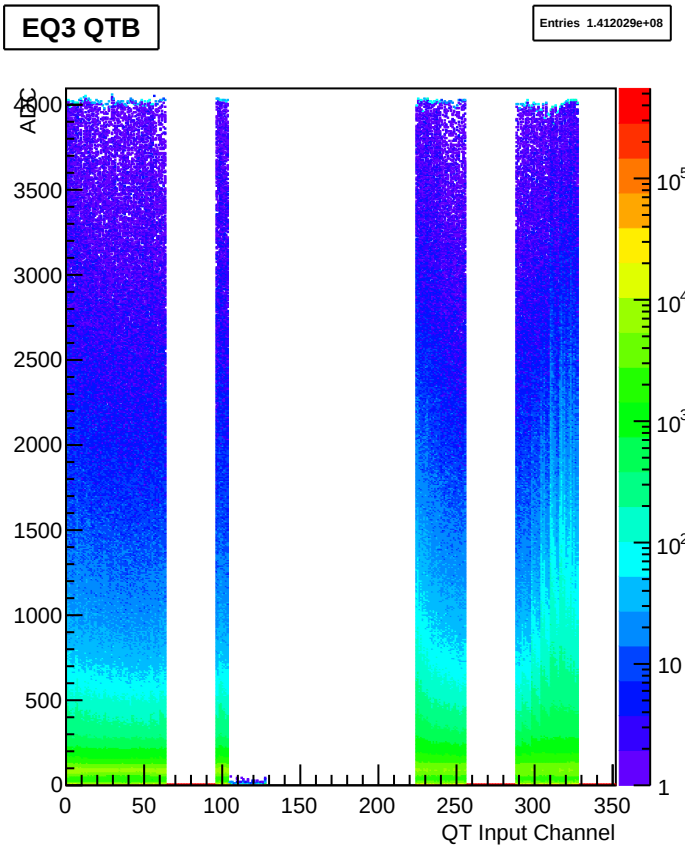

EQ1 QTC
Entries 5.29511e+07
TADC
QT Input Channel

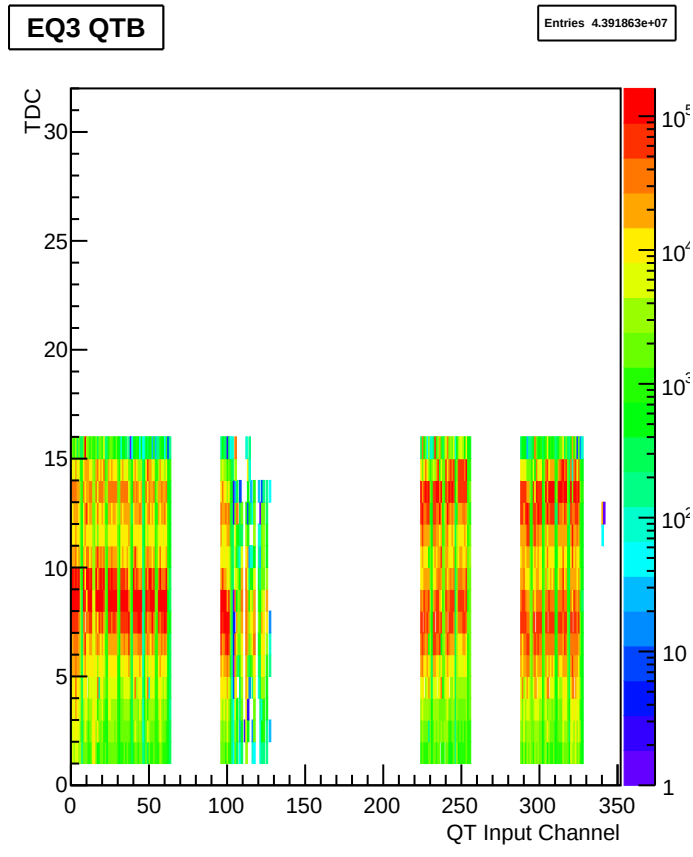

EQ2 QTB
Entries 1.588533e+08
ADC
QT Input Channel

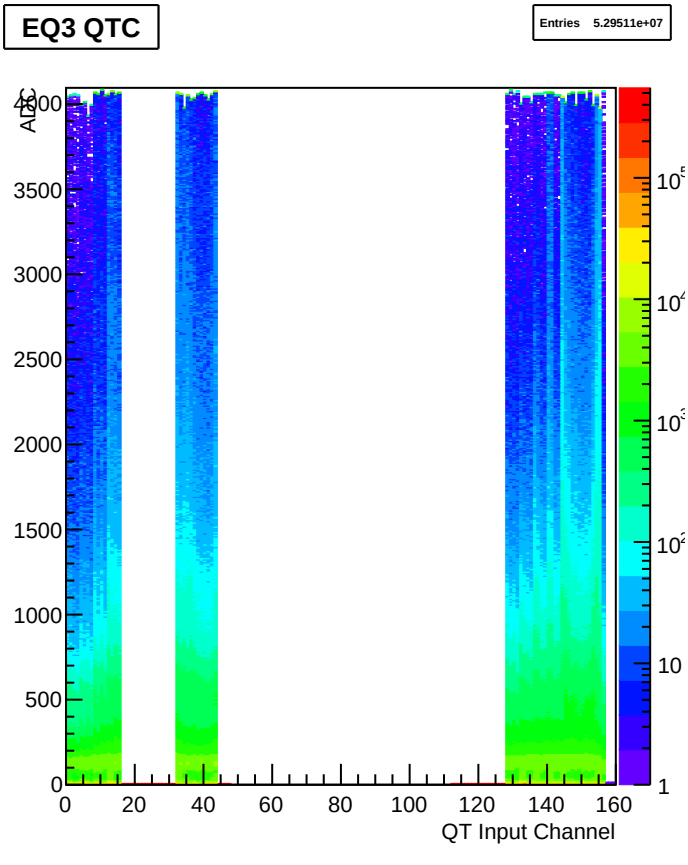

EQ2 QTB
Entries 5.43352e+07
TDC
QT Input Channel

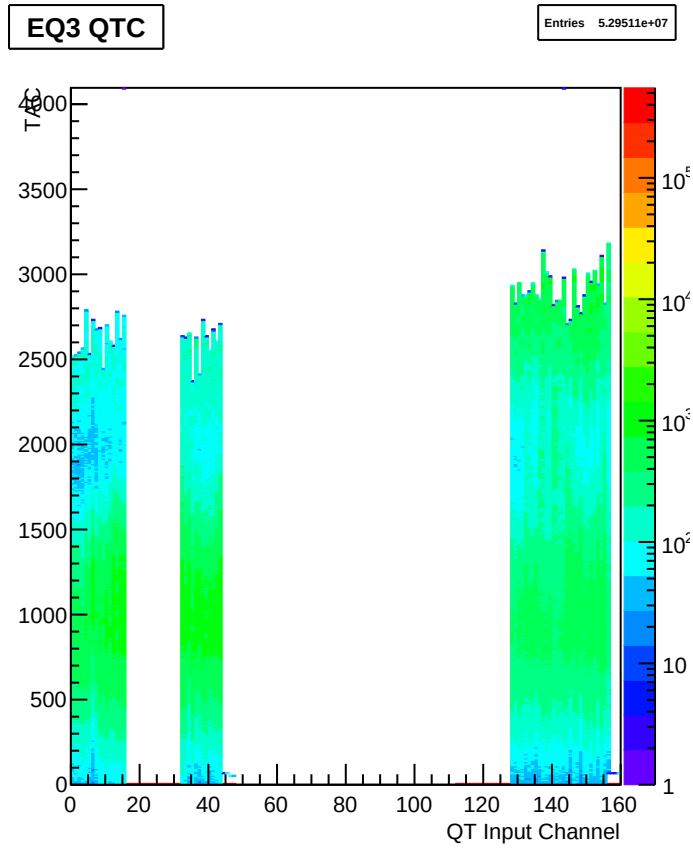

EQ2 QTC
Entries 5.29511e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.29511e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.412029e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.391863e+07
TDC
QT Input Channel


EQ3 QTC
Entries 5.29511e+07
ADC
QT Input Channel


EQ3 QTC
Entries 5.29511e+07
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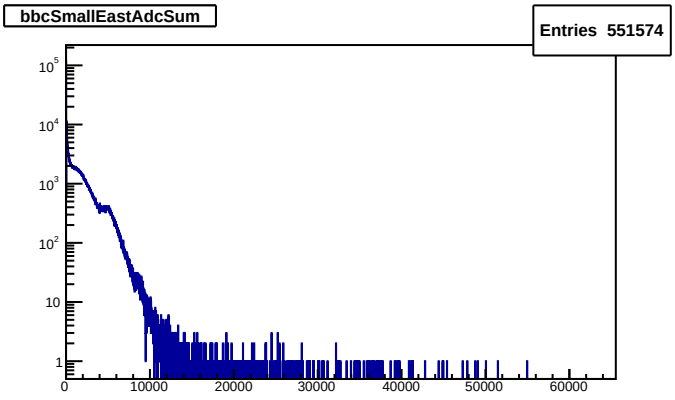
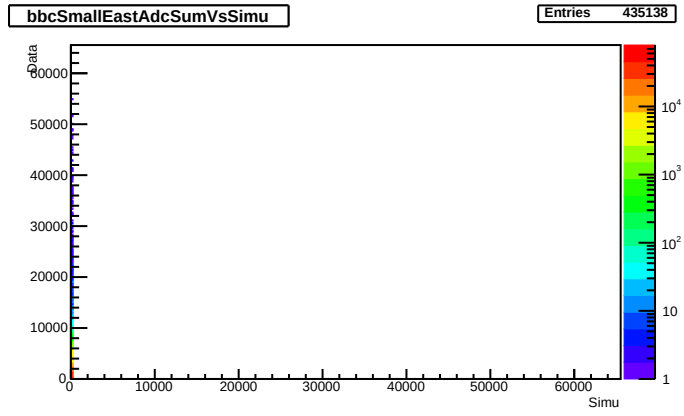
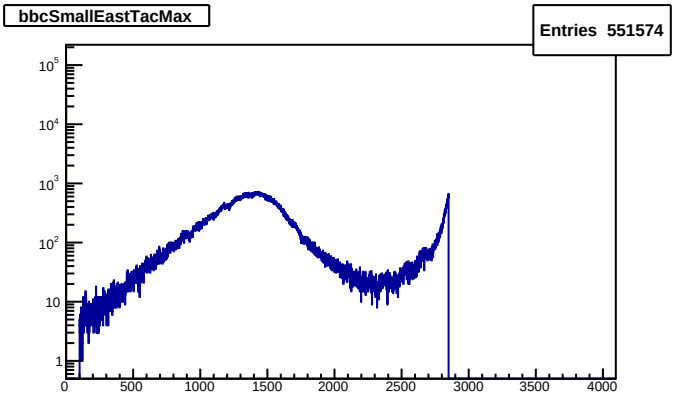
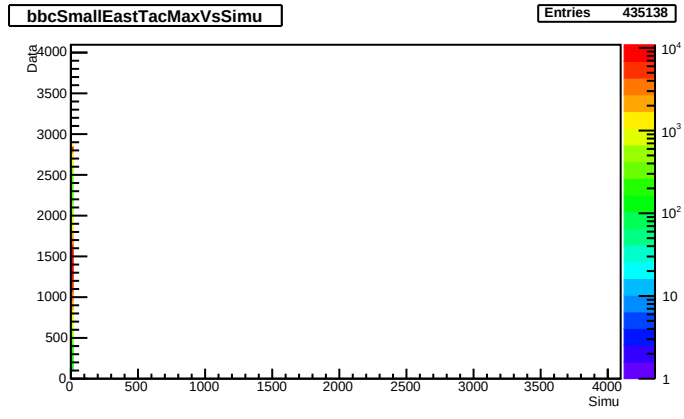
QT Input Channel


bbcSmallEastAdcSum
Entries 551574


bbcSmallEastAdcSumVsSimu
Entries 435138
Data
Simu


bbcSmallEastTacMax
Entries 551574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Entries 435138
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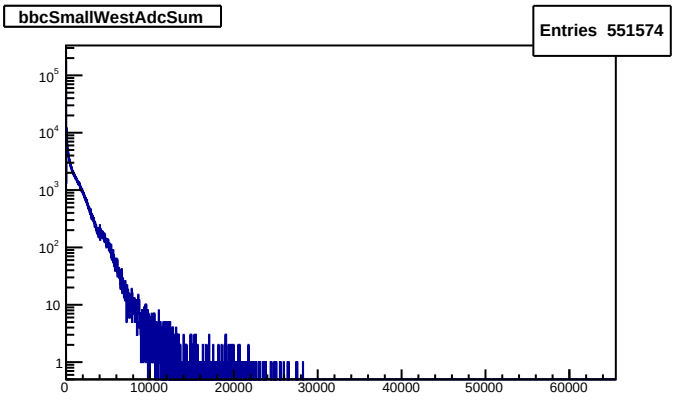
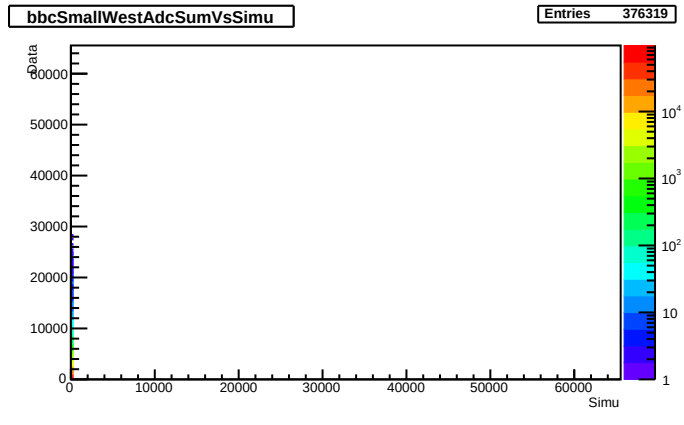

bbcSmallWestAdcSum
Entries 551574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Entries 376319
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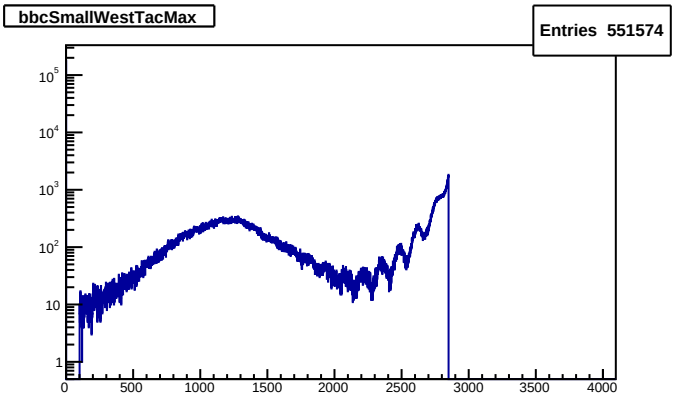
Simu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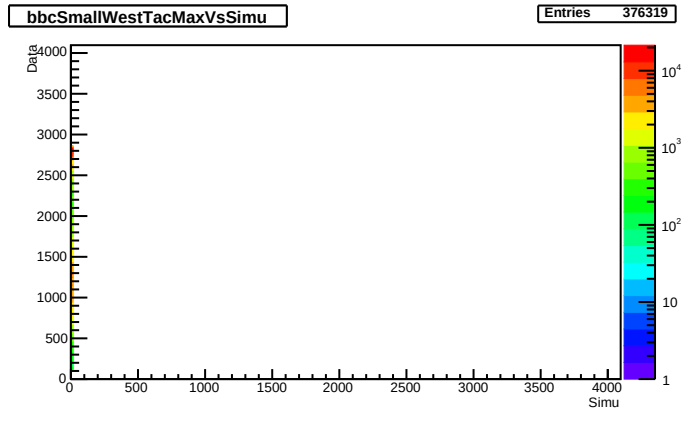
Entries 551574


bbcSmallWestTacMaxVsSimu
Entries 376319
Data
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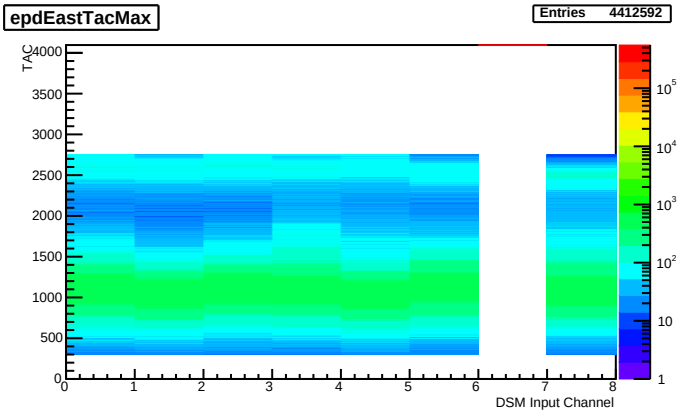
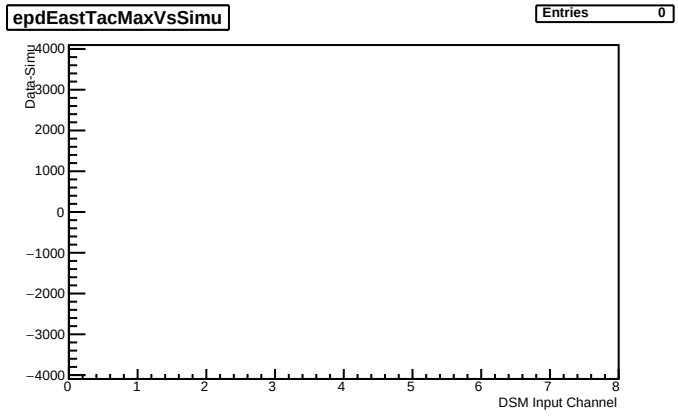
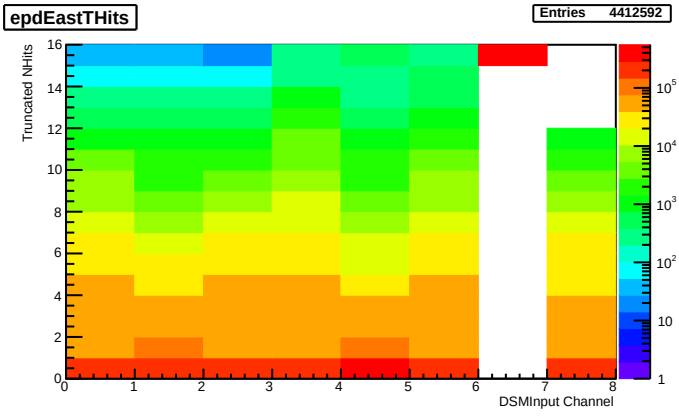
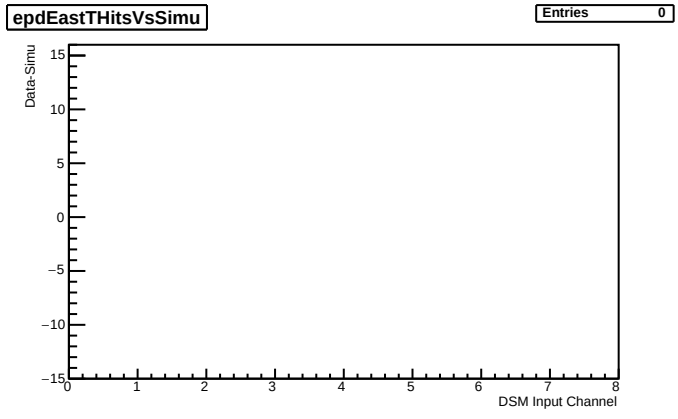

epdEastTacMax
Entries 4412592
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4412592
Truncated NHits
DSMInput Channel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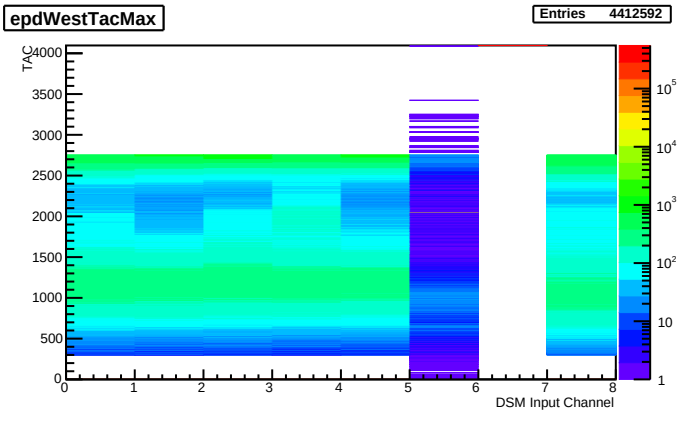
Data-Simu
DSM Input Channel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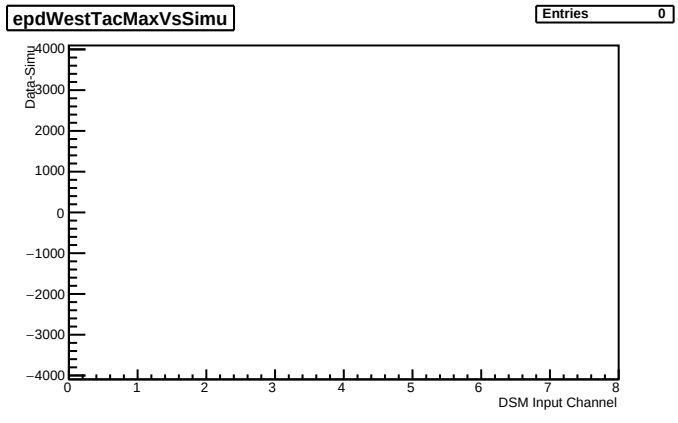
Entries 4412592
TAC
DSM Input Channel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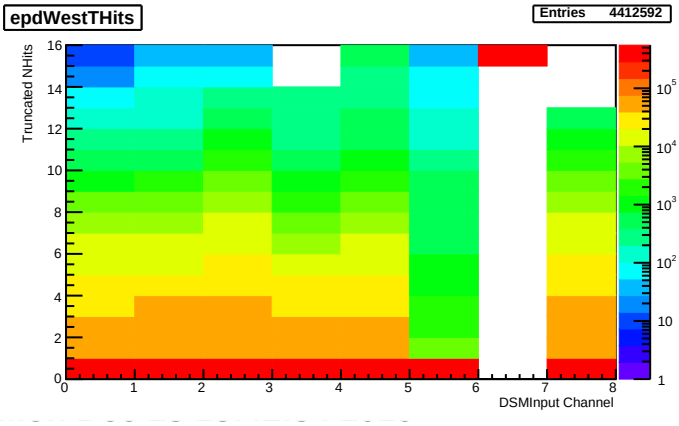
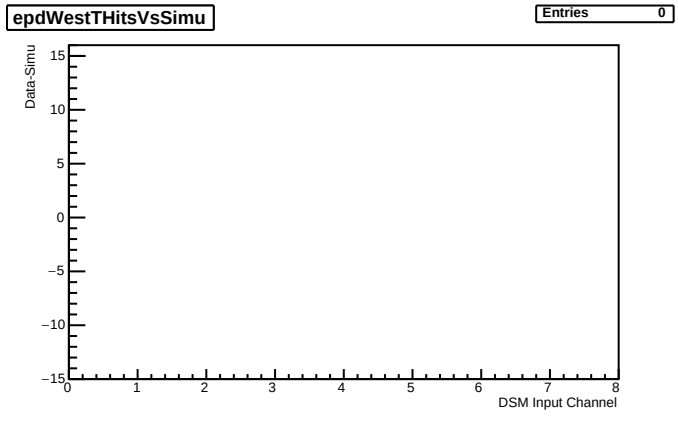
Data-Simu
DSM Input Channel


epdWestTHits
Entries 4412592
Truncated NHits
DSMInput Channel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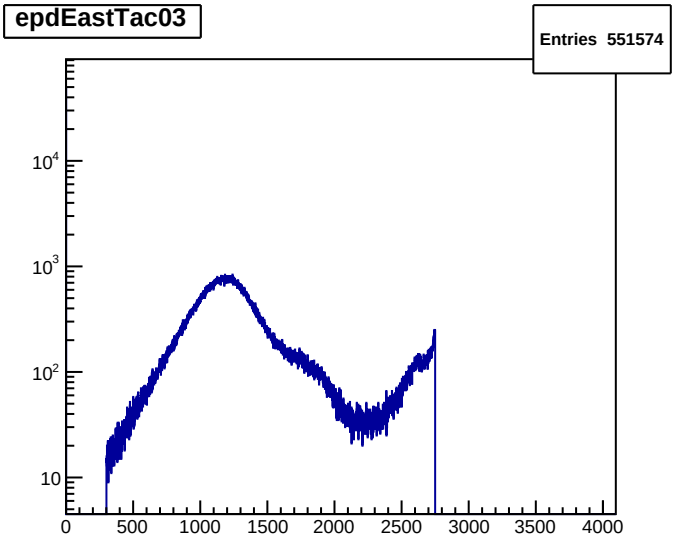
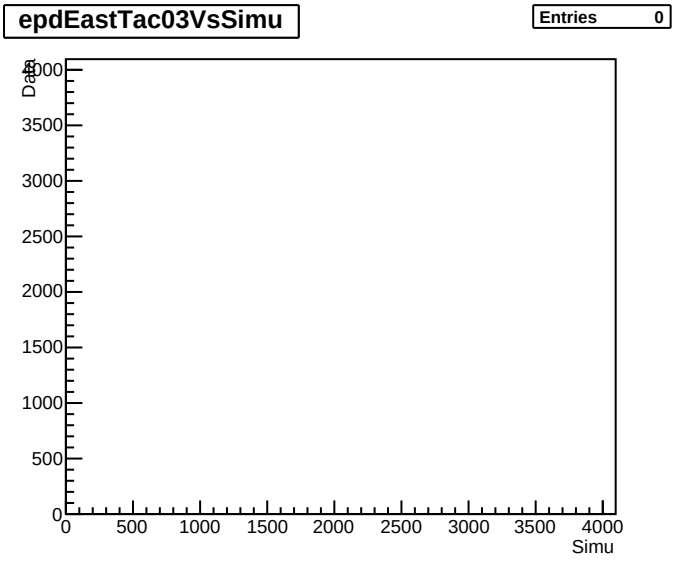
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 551574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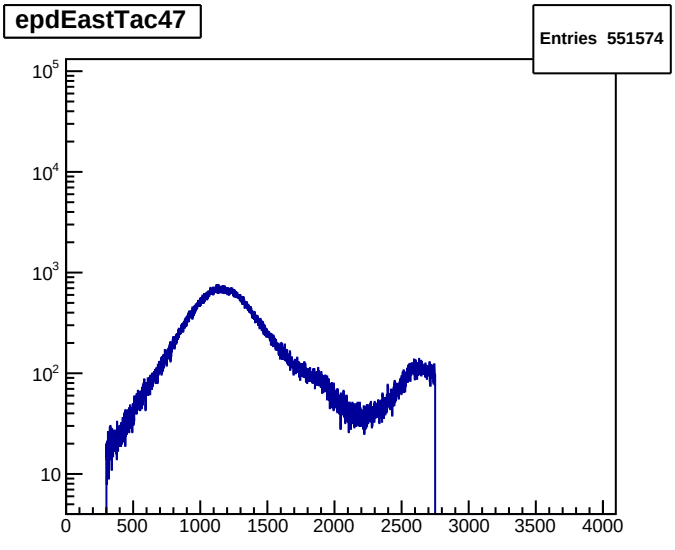
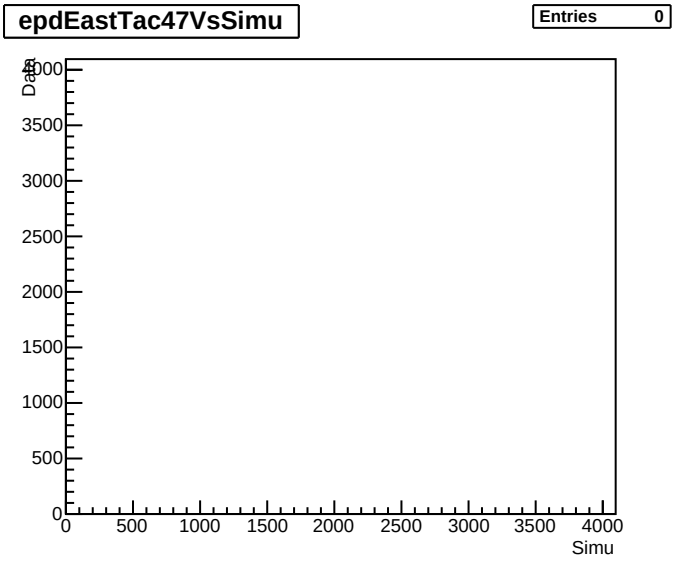
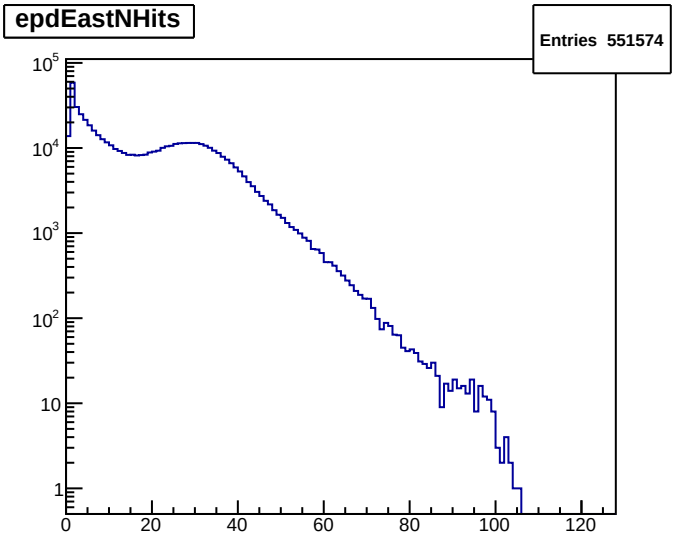
Entries 0
Data
Simu


epdEastTac47
Entries 551574


epdEastTac47VsSimu
Entries 0
Data
Simu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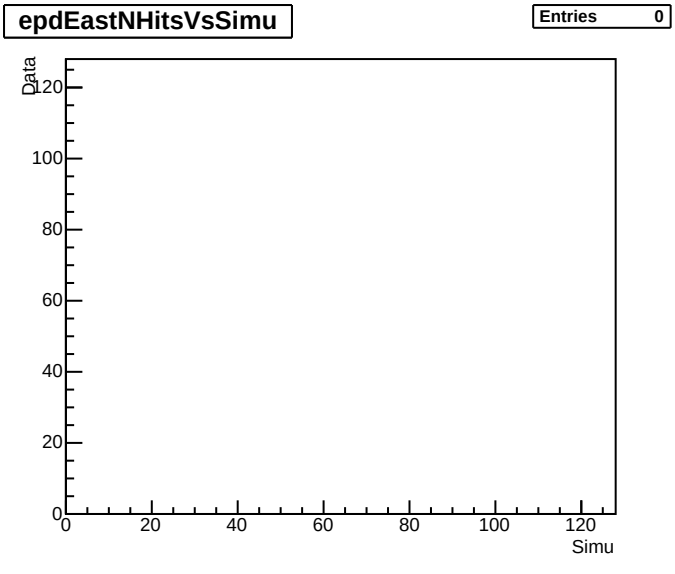
Entries 551574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Entries 0
Data
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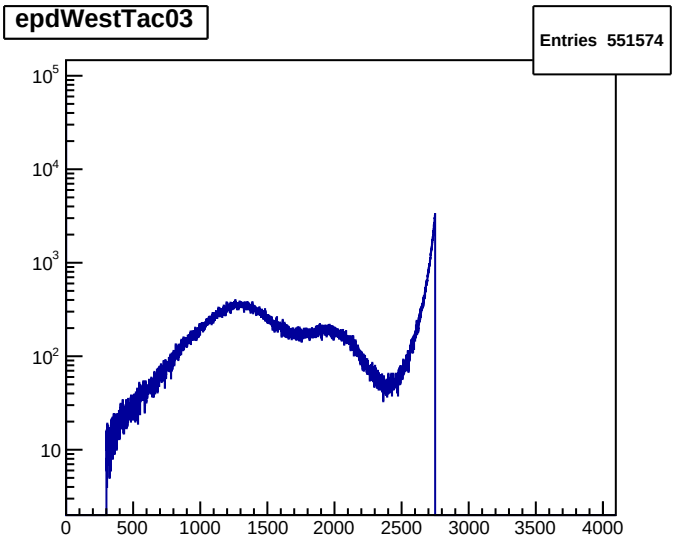
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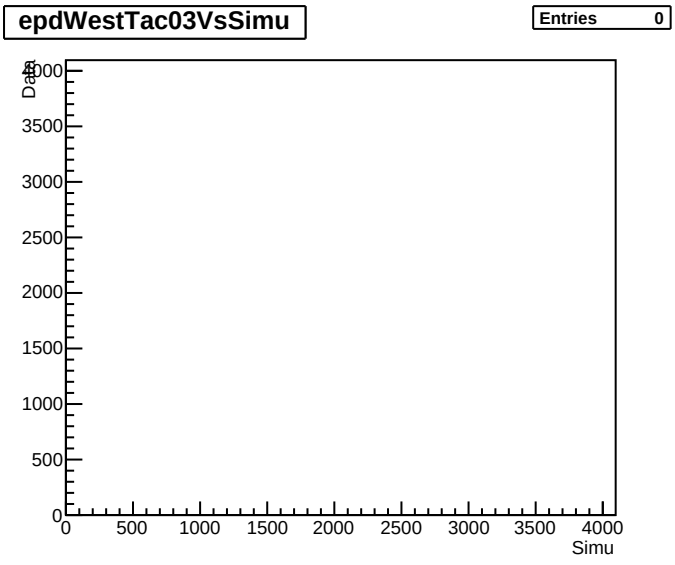
Entries 551574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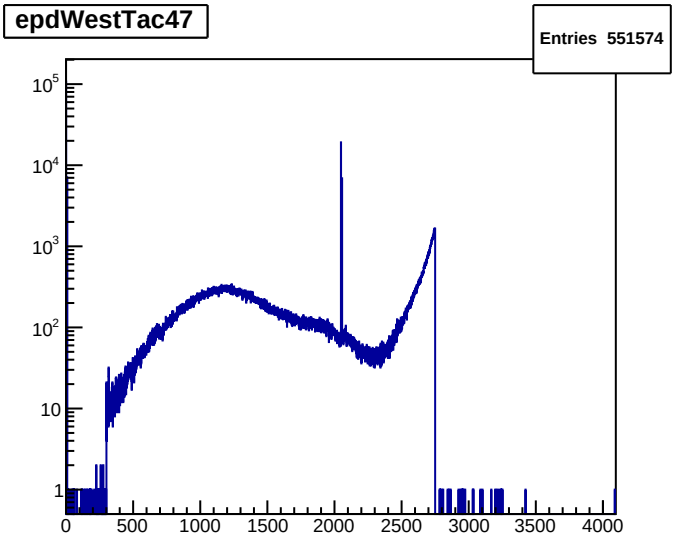
Entries 0
Data
Simu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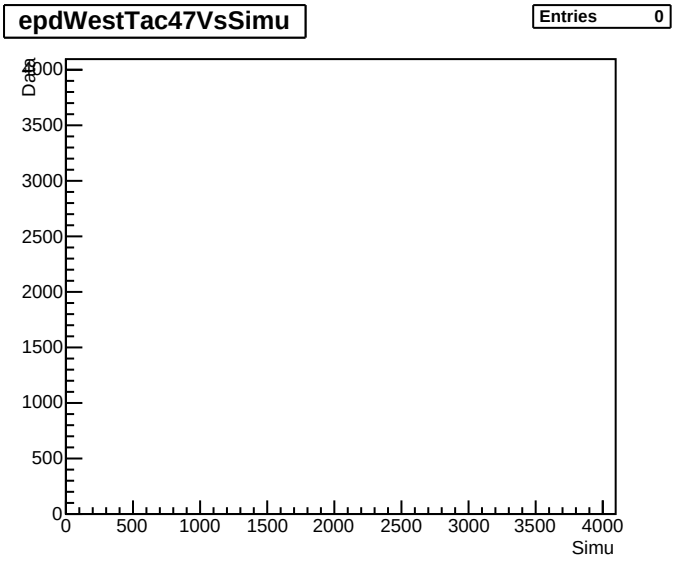
Entries 551574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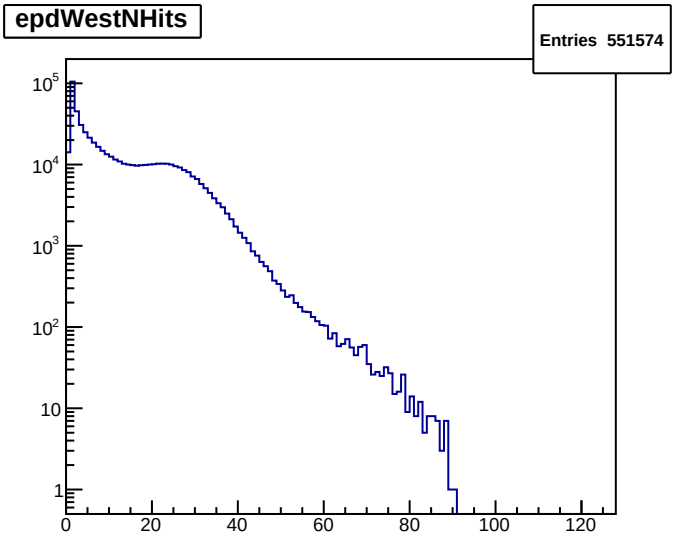
Entries 0
Data
Simu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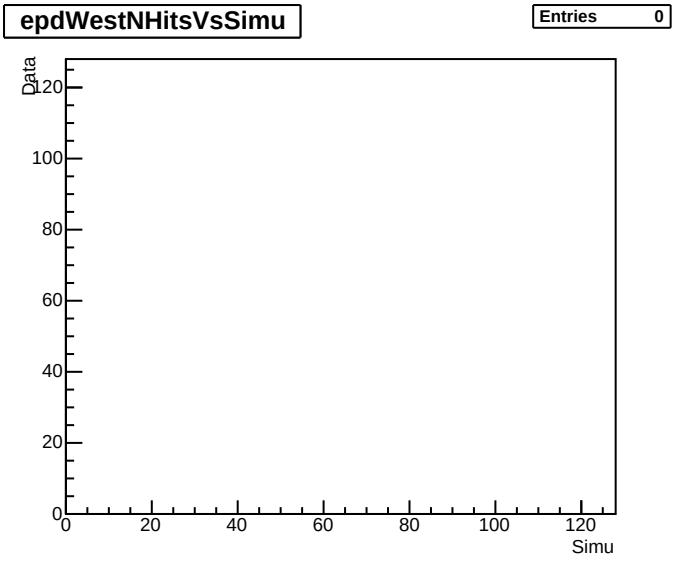
Entries 551574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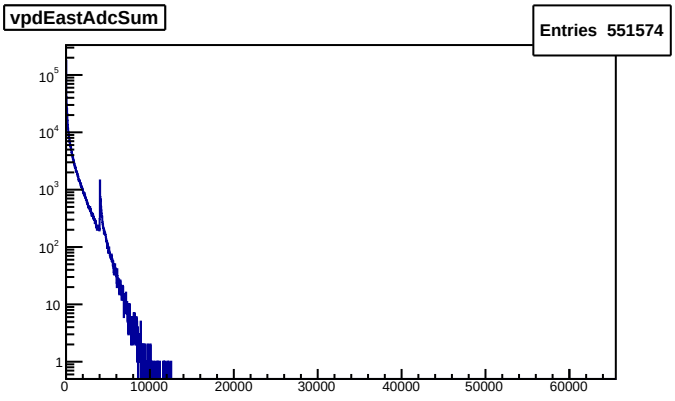
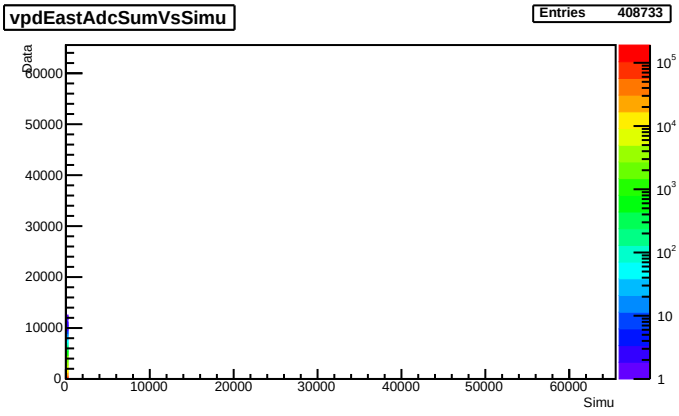
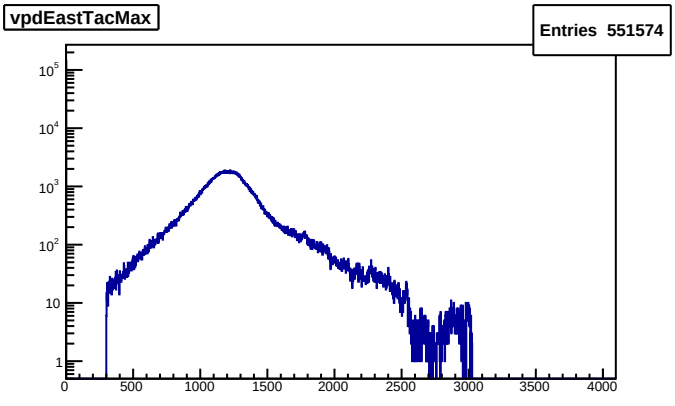
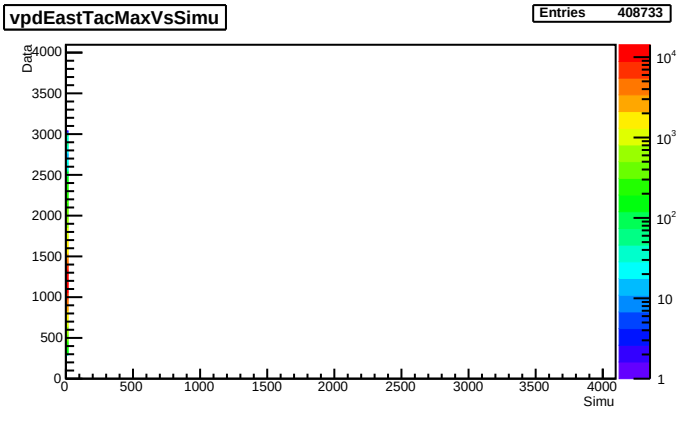
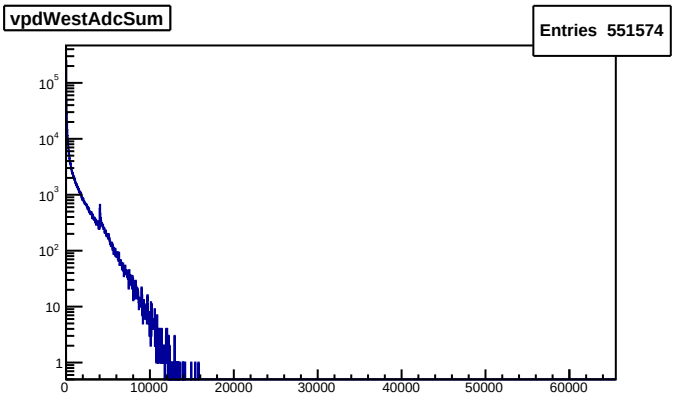
Entries 0
Data
Simu

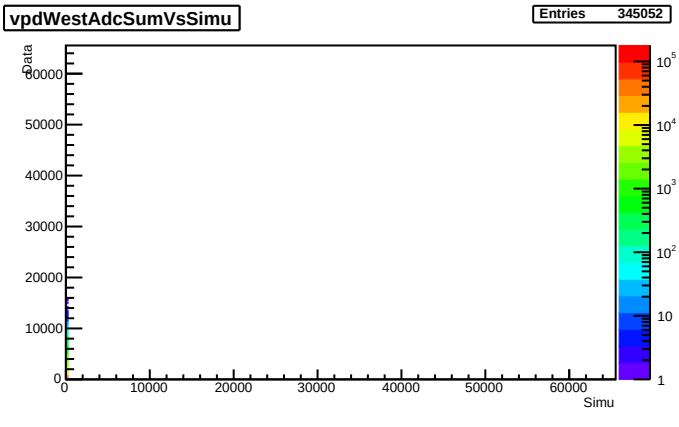

vpdEastAdcSum
Entries 551574


vpdEastAdcSumVsSimu
Entries 408733
Data
Simu


vpdEastTacMax
Entries 551574


vpdEastTacMaxVsSimu
Entries 408733
Data
Simu


vpdWestAdcSum
Entries 551574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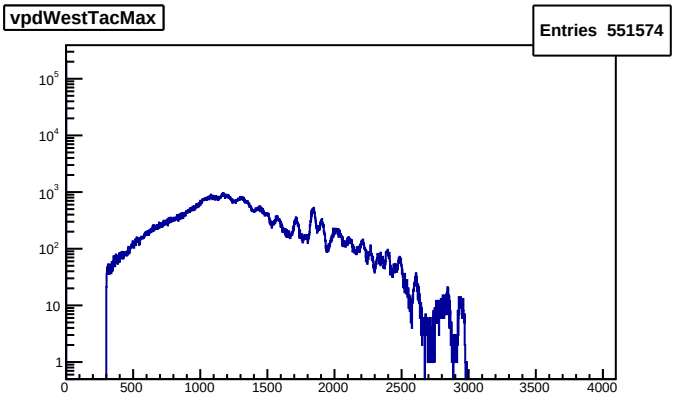
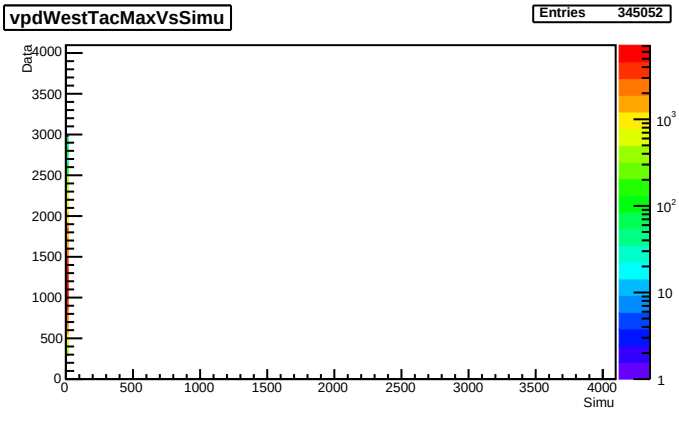
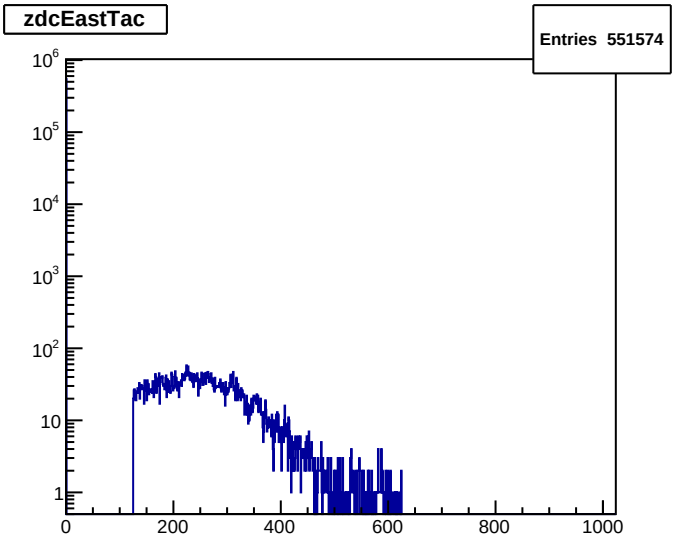
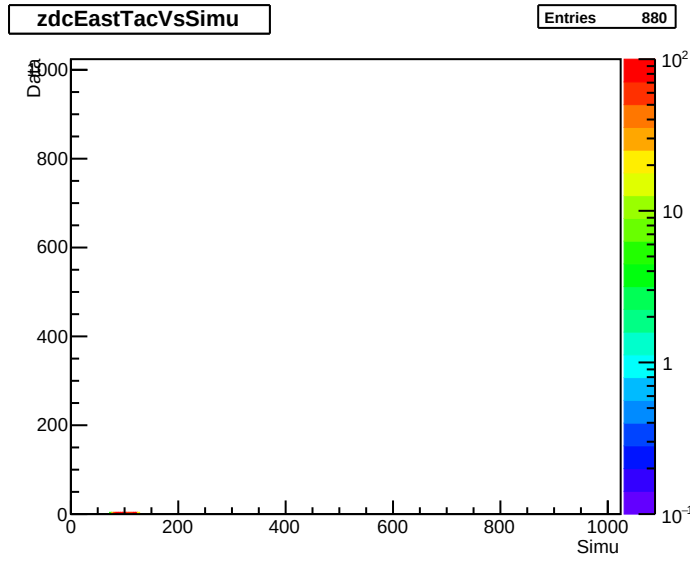
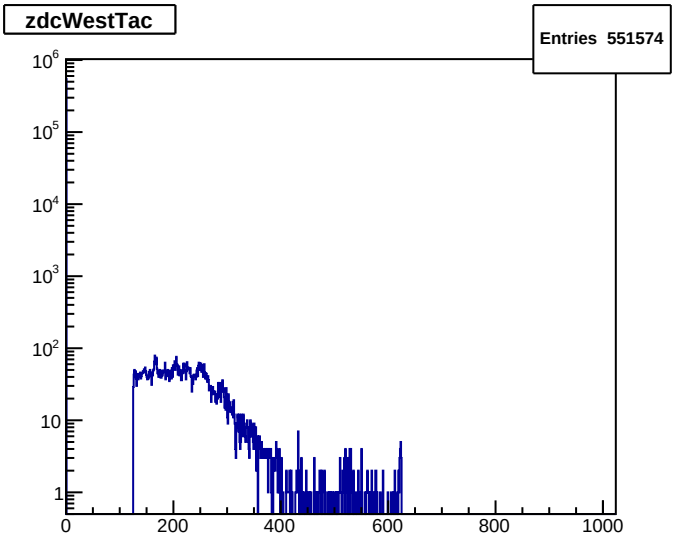
Entries 345052
Data
Simu

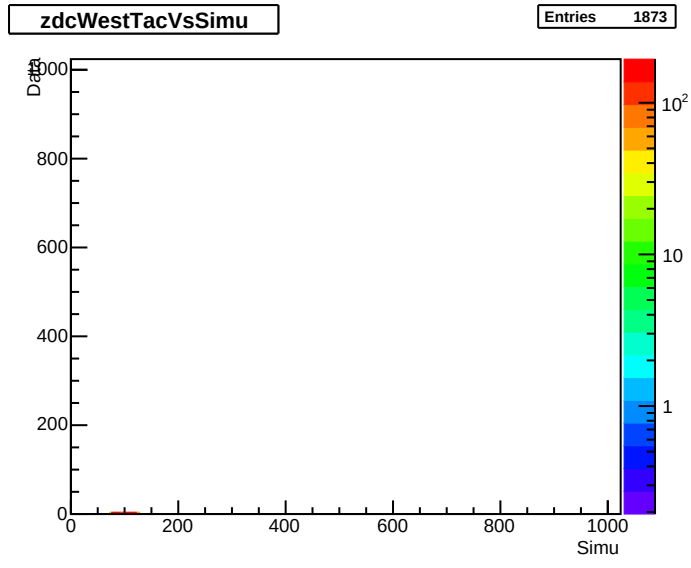

vpdWestTacMax
Entries 551574

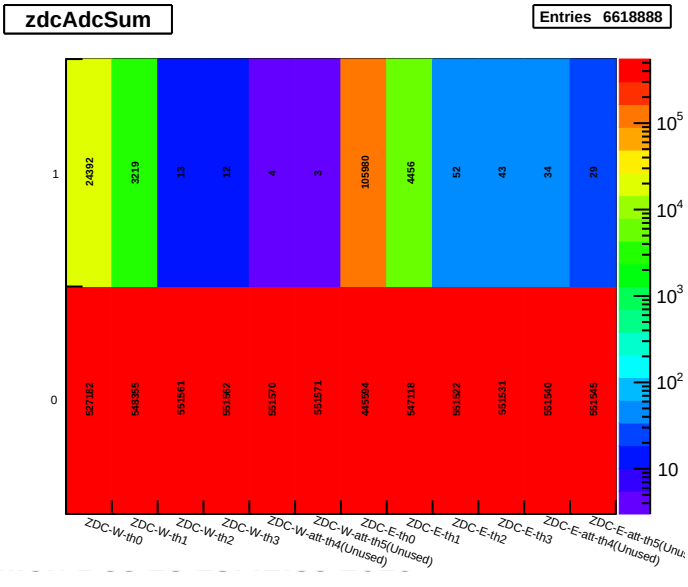

vpdWestTacMaxVsSimu
Entries 345052
Data
Simu

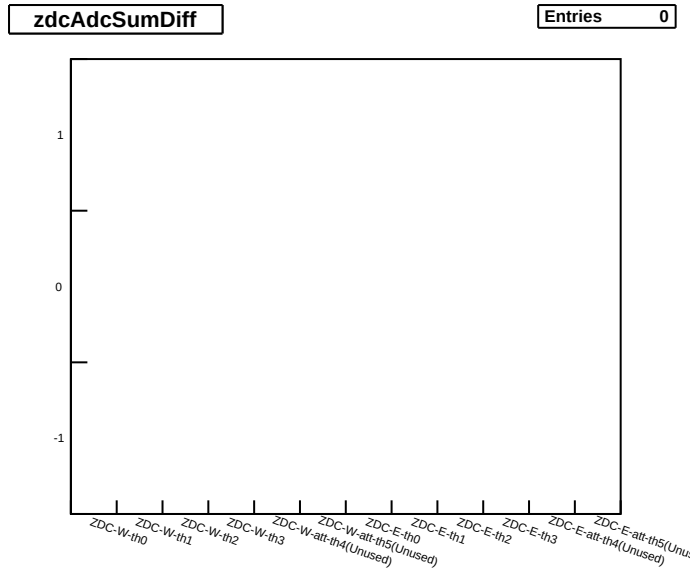

zdcEastTac
Entries 551574

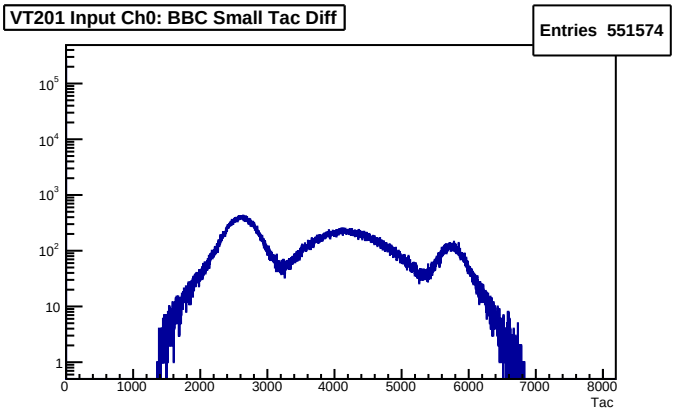

zdcEastTacVsSimu
Entries 880
Data
Simu

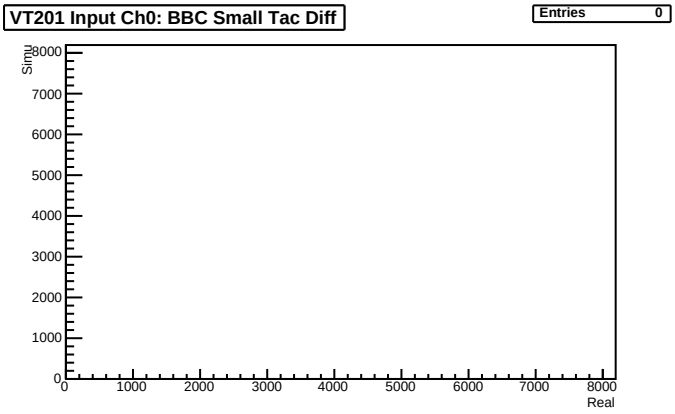

zdcWestTac
Entries 551574

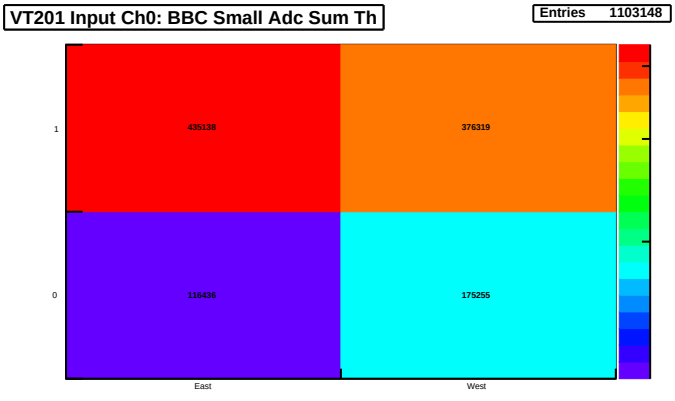

zdcWestTacVsSimu
Entries 1873
Data
Simu

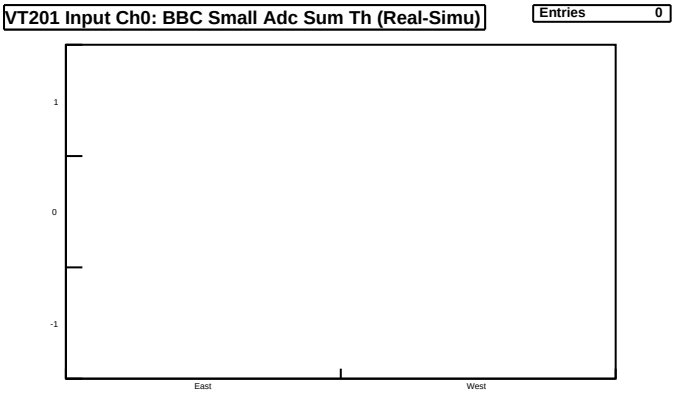

zdcAdcSum
Entries 6618888
24992
3219
13
12
4
3
105980
4456
52
43
34
29
527182
548355
551561
551562
551570
551571
445994
547118
551522
551531
551540
551545
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

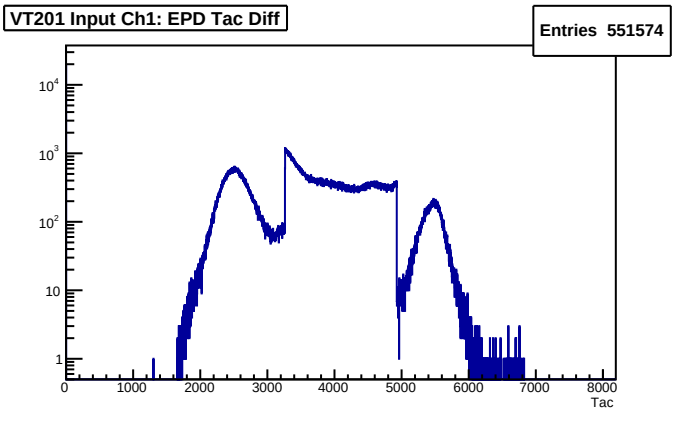

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

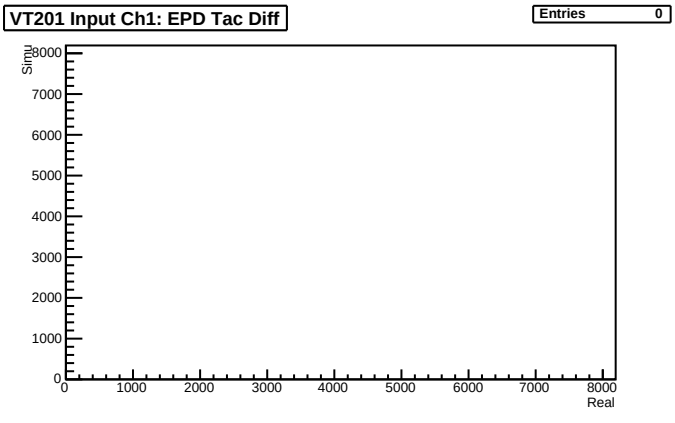

VT201 Input Ch0: BBC Small Tac Diff
Entries 551574
Tac

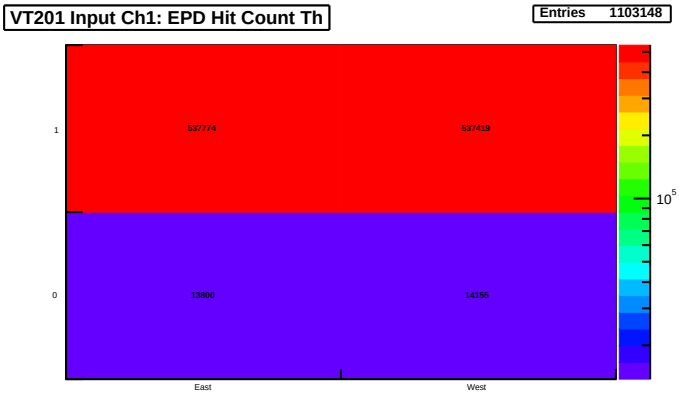

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

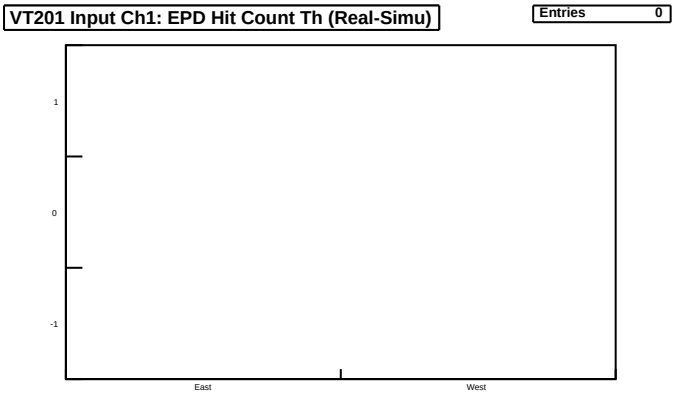

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1103148
435138
376319
116436
175255
East
West

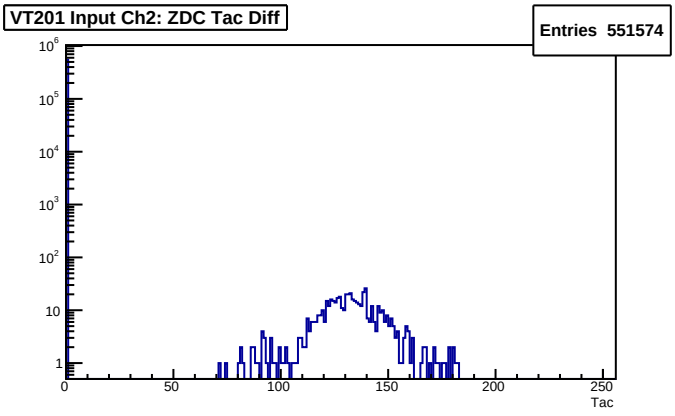

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

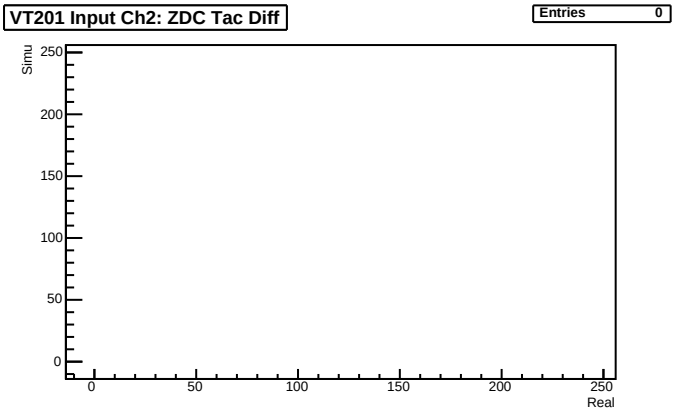

VT201 Input Ch1: EPD Tac Diff
Entries 551574
Tac

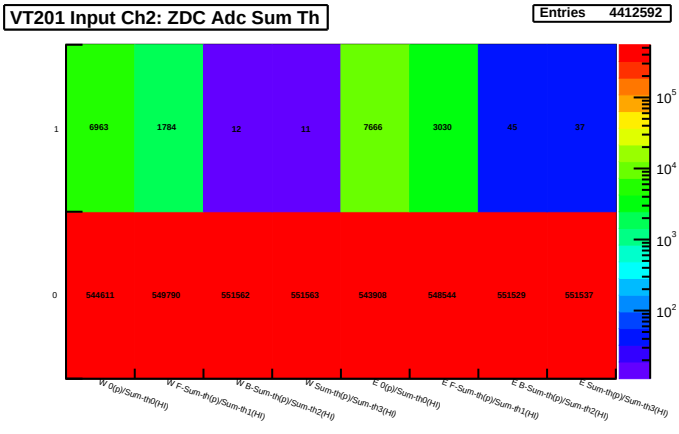

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

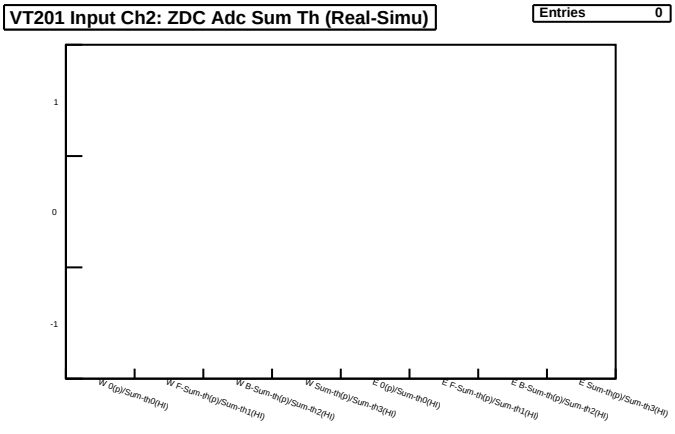

VT201 Input Ch1: EPD Hit Count Th
Entries 1103148
537774
537419
13800
14155
East
West

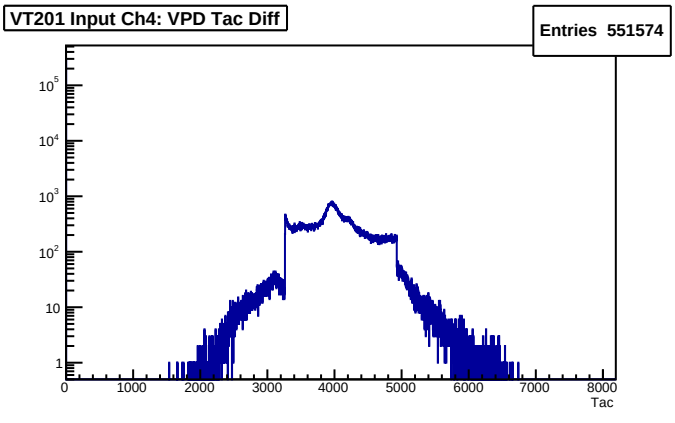

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

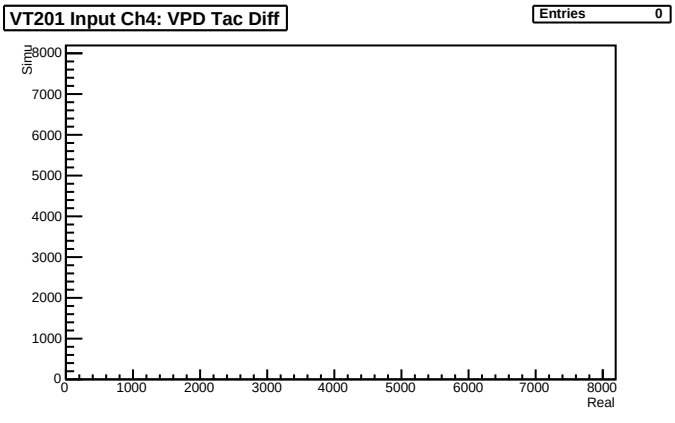

VT201 Input Ch2: ZDC Tac Diff
Entries 551574
Tac

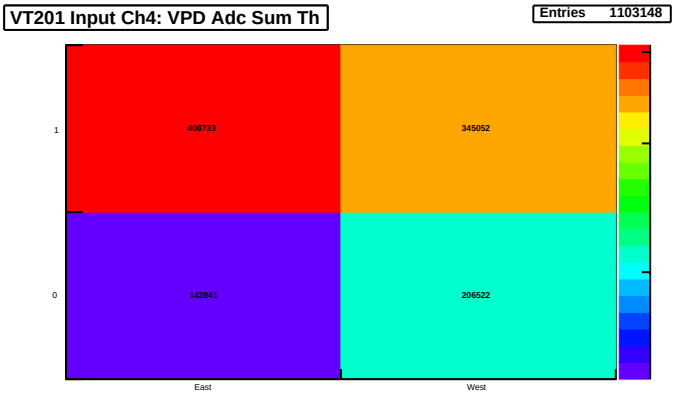

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

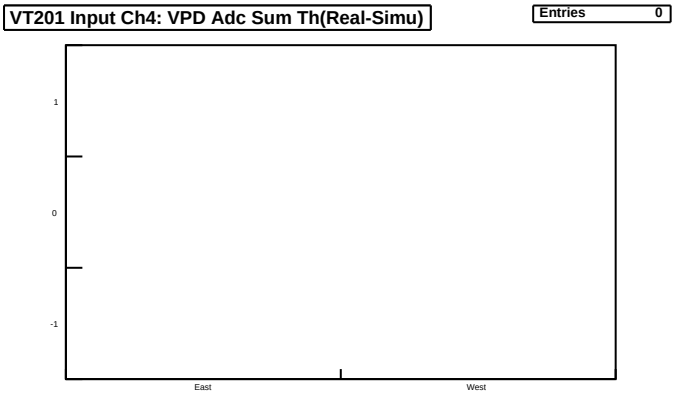

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4412592
6963
1784
12
11
7666
3030
45
37
544611
549790
551562
551563
543908
548544
551529
551537
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

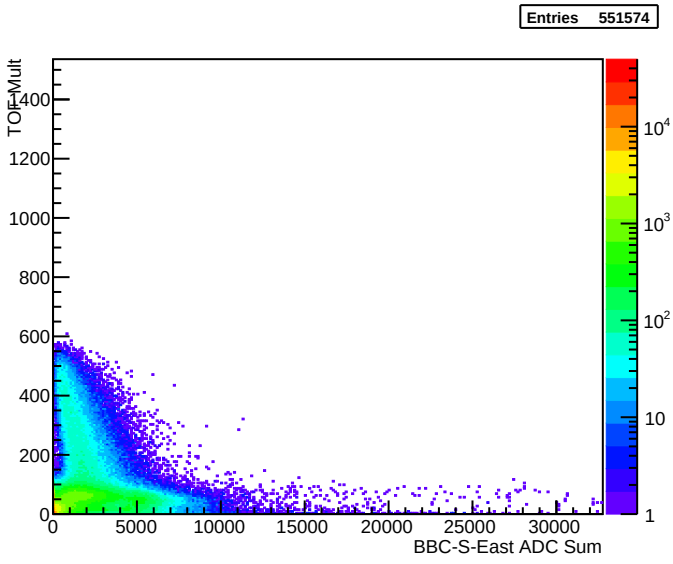

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

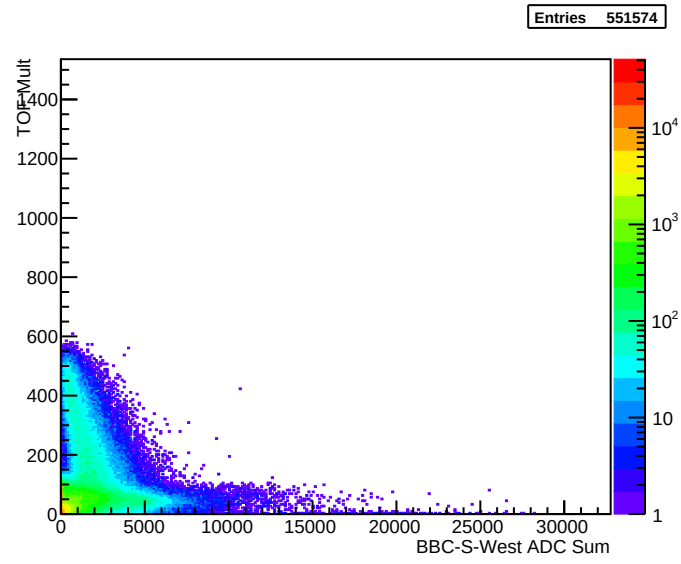

VT201 Input Ch4: VPD Tac Diff
Entries 551574
Tac

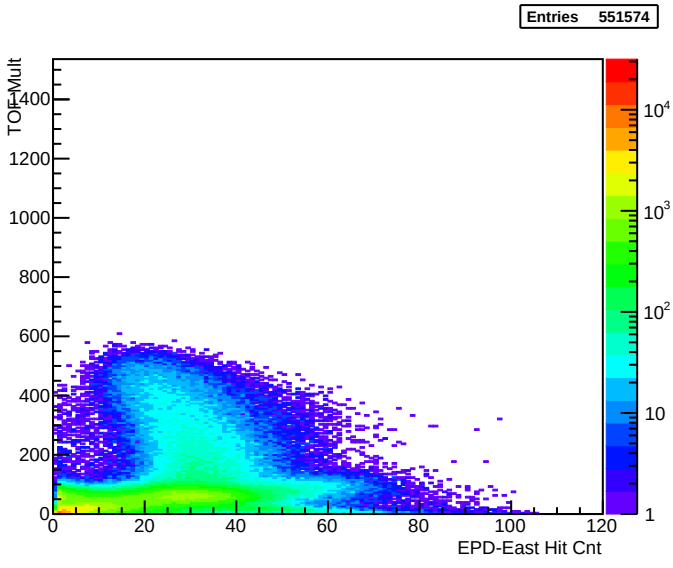

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

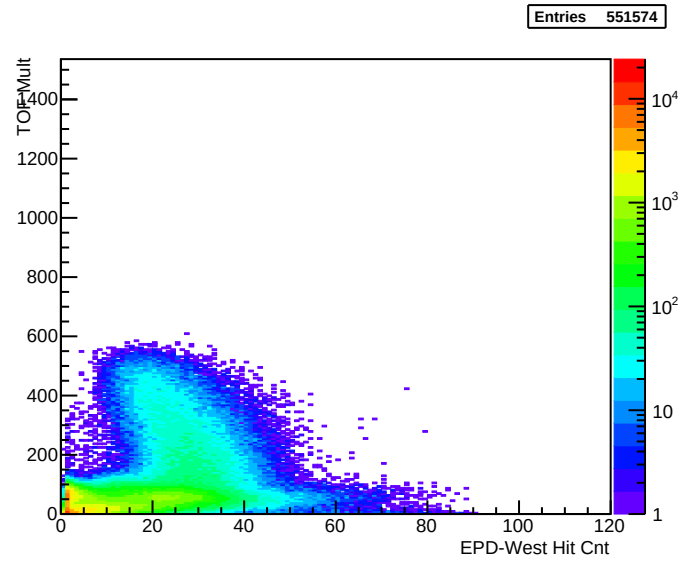

VT201 Input Ch4: VPD Adc Sum Th
Entries 1103148
408733
345052
142841
206522
East
West

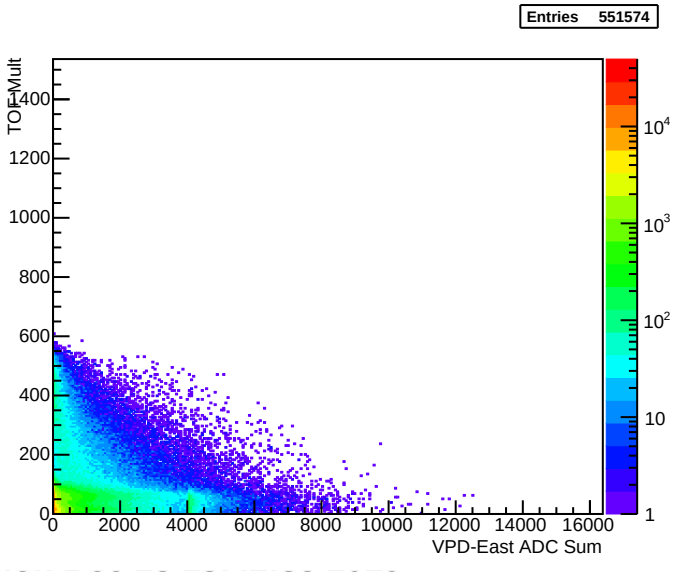

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

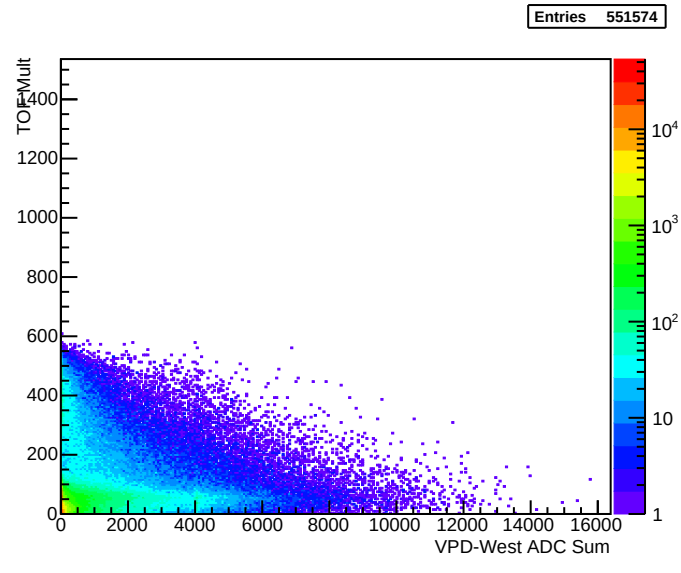

Entries 551574
TOF-Mult
BBC-S-East ADC Sum

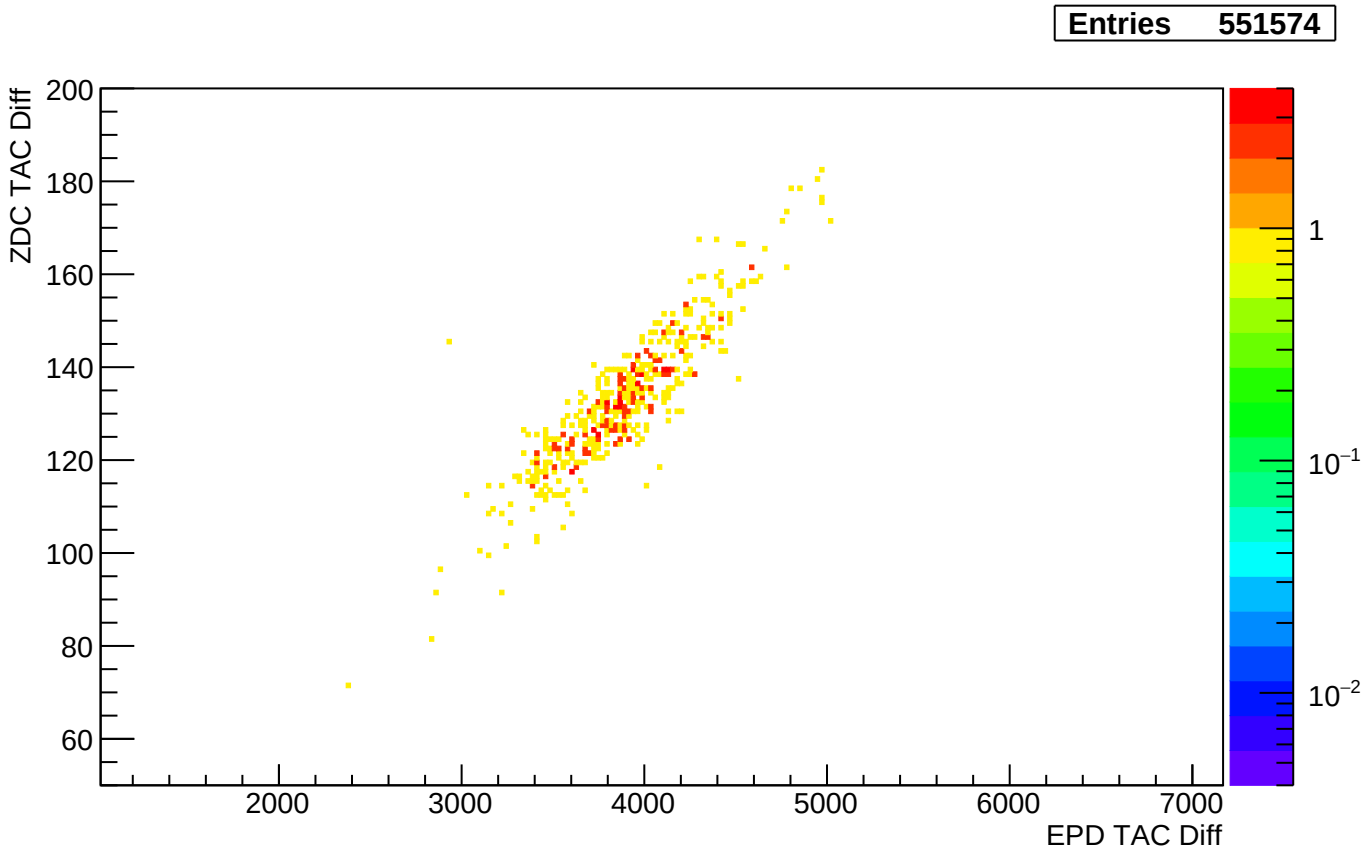

Entries 551574
TOF-Mult
BBC-S-West ADC Sum

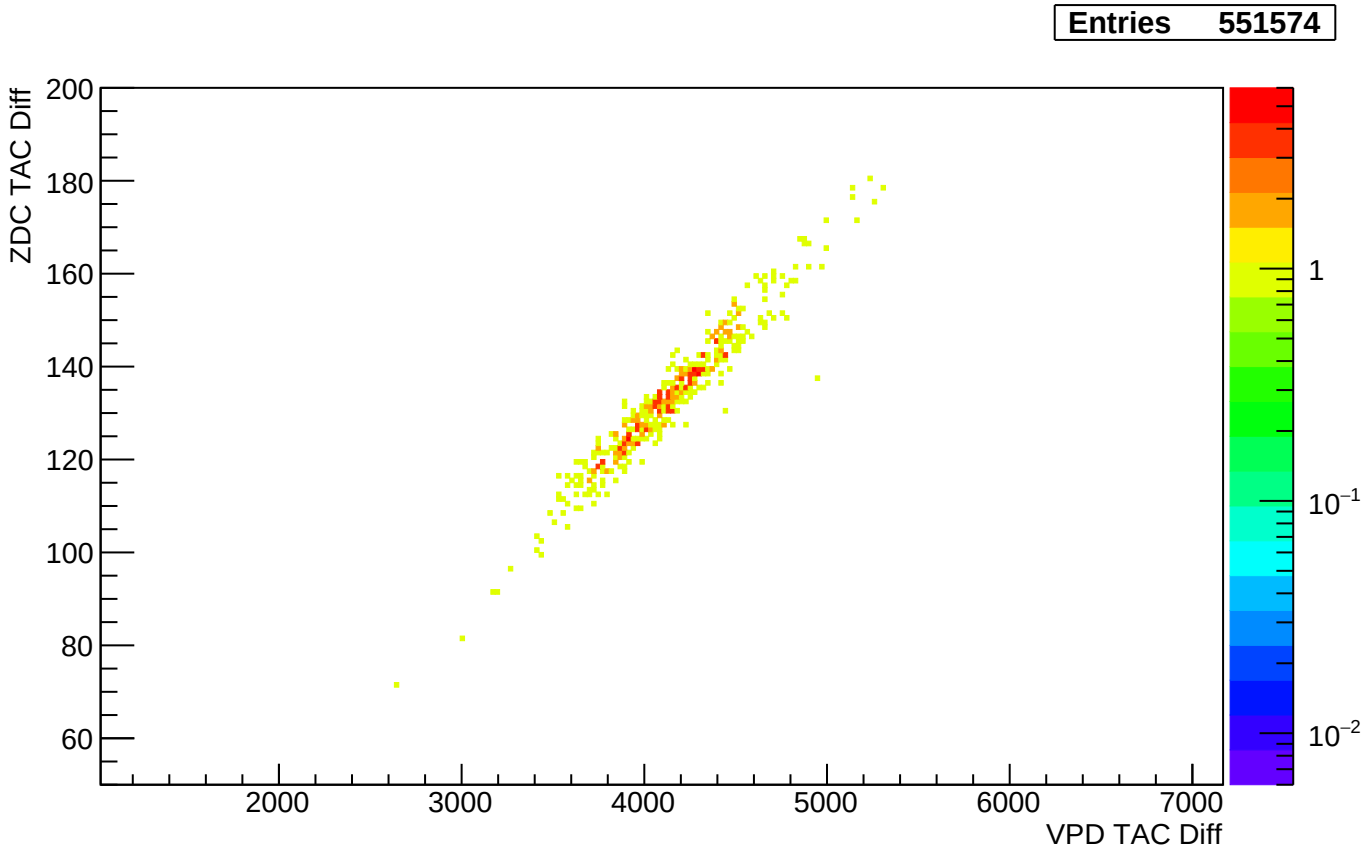

Entries 551574
TOF-Mult
EPD-East Hit Cnt

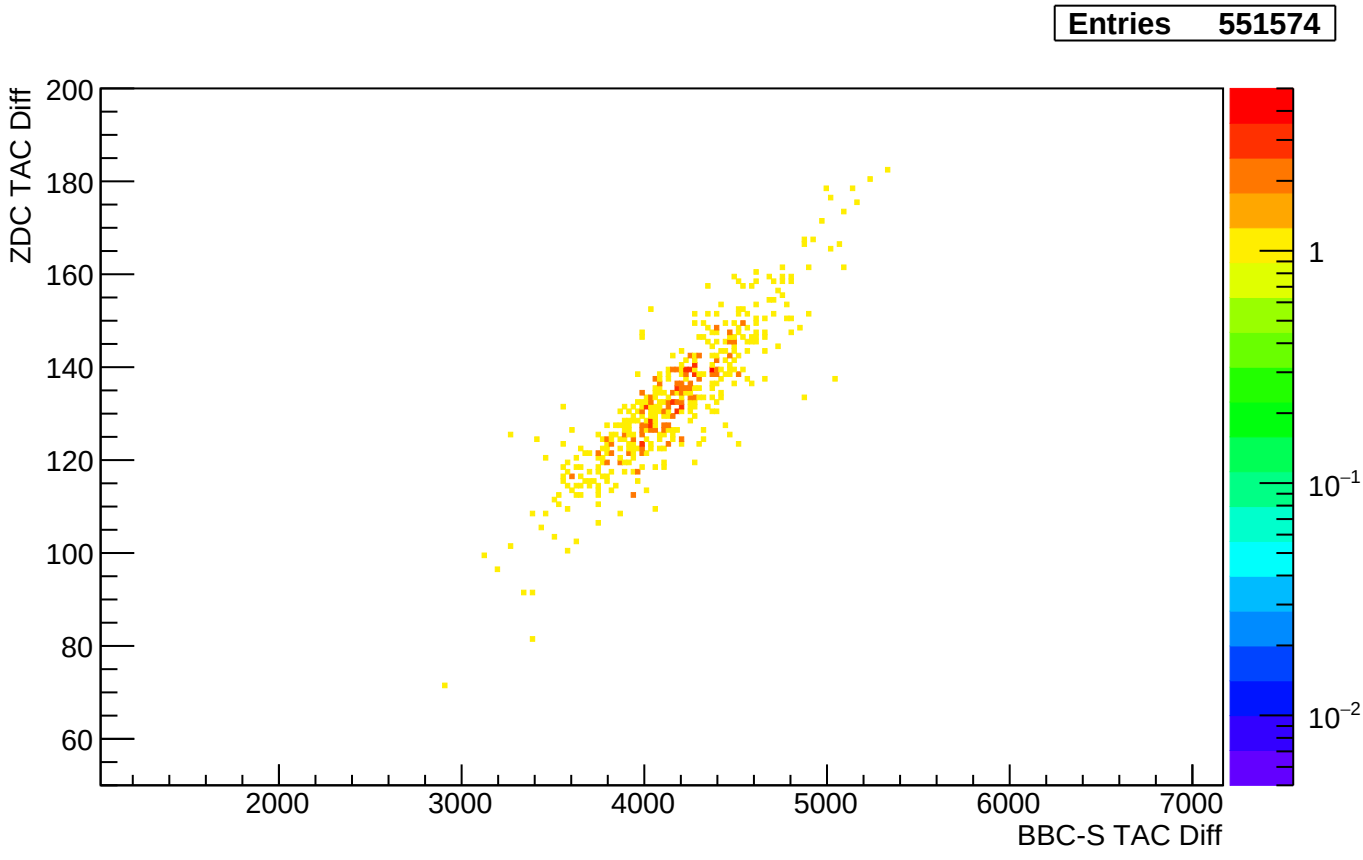

Entries 551574
TOF-Mult
EPD-West Hit Cnt

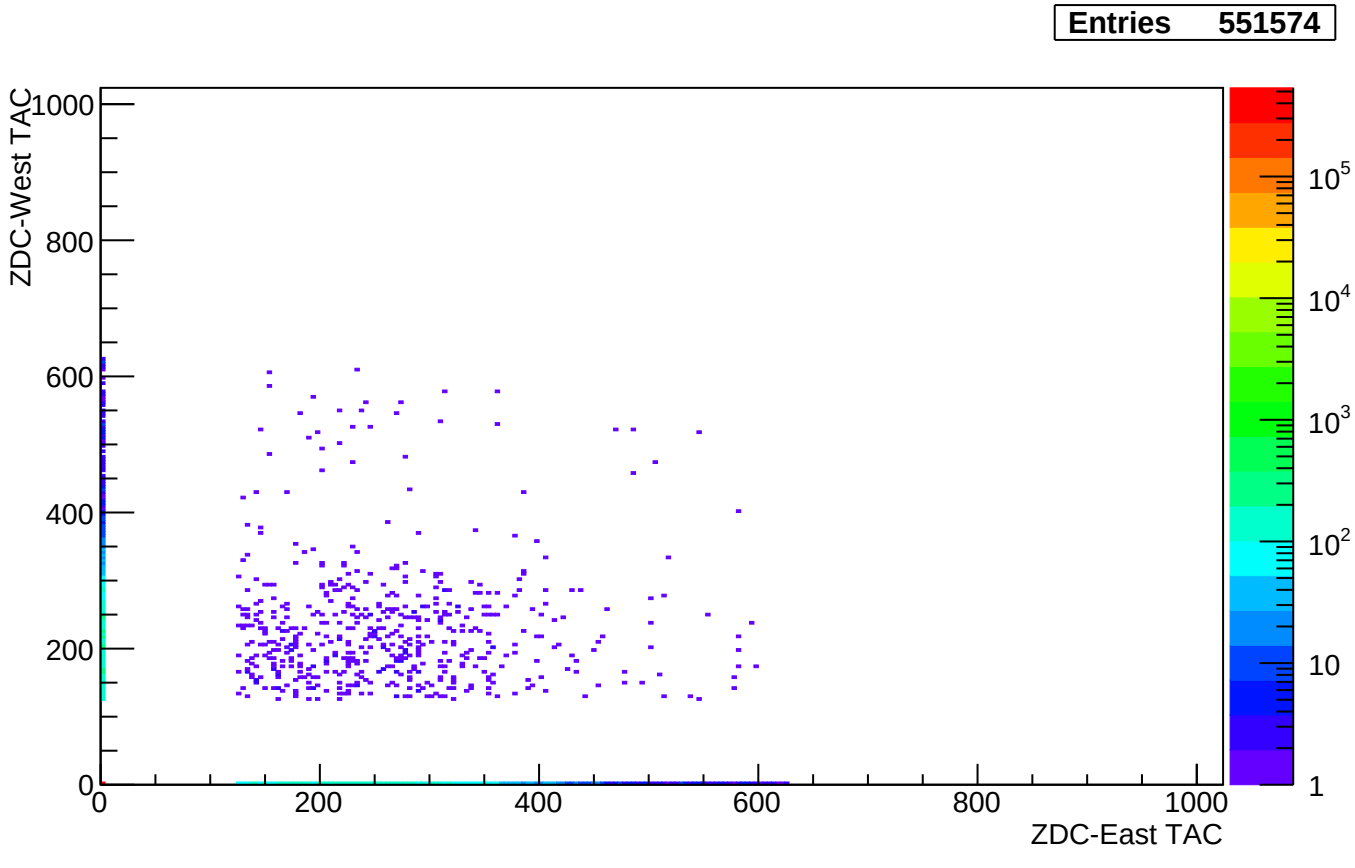

Entries 551574
TOF-Mult
VPD-East ADC Sum

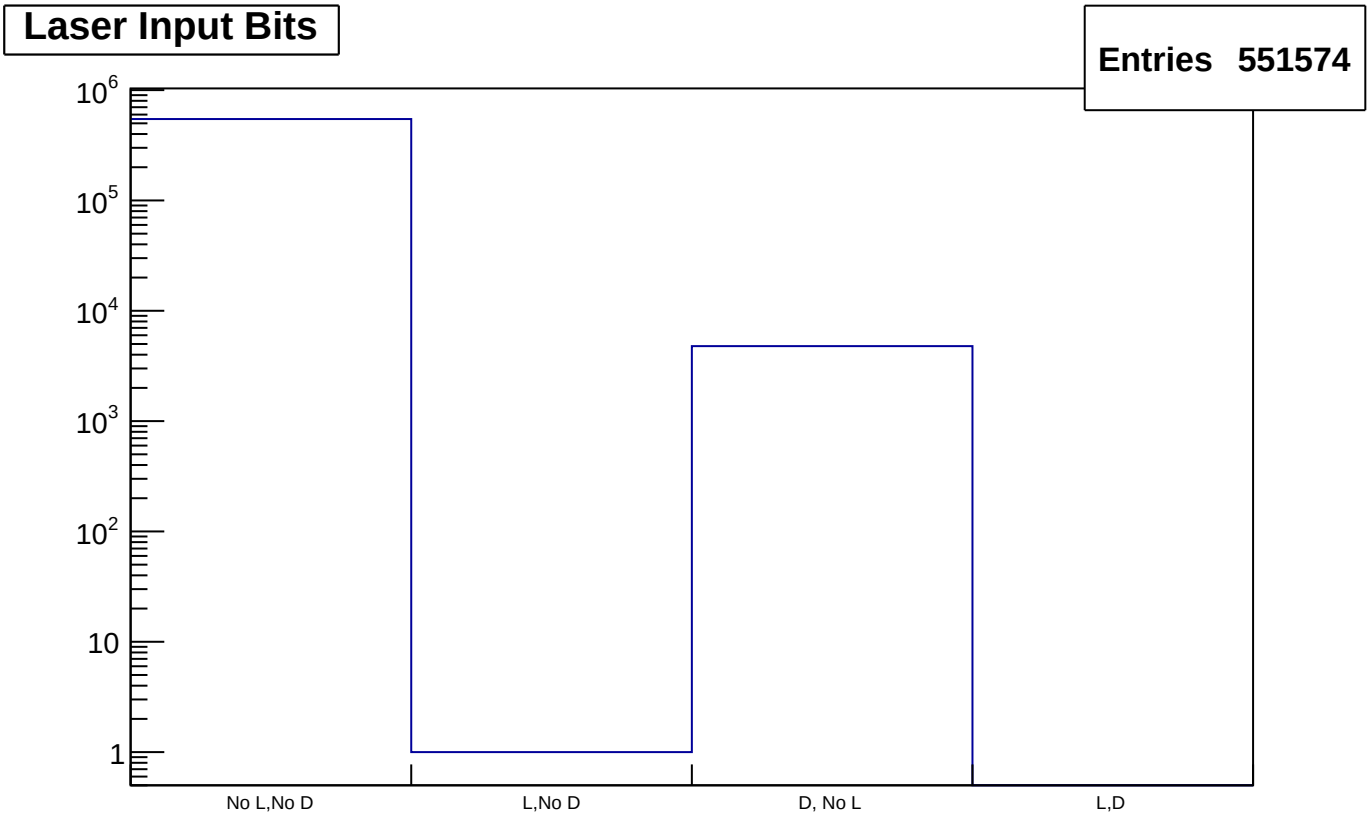

Entries 551574
TOF-Mult
VPD-West ADC Sum

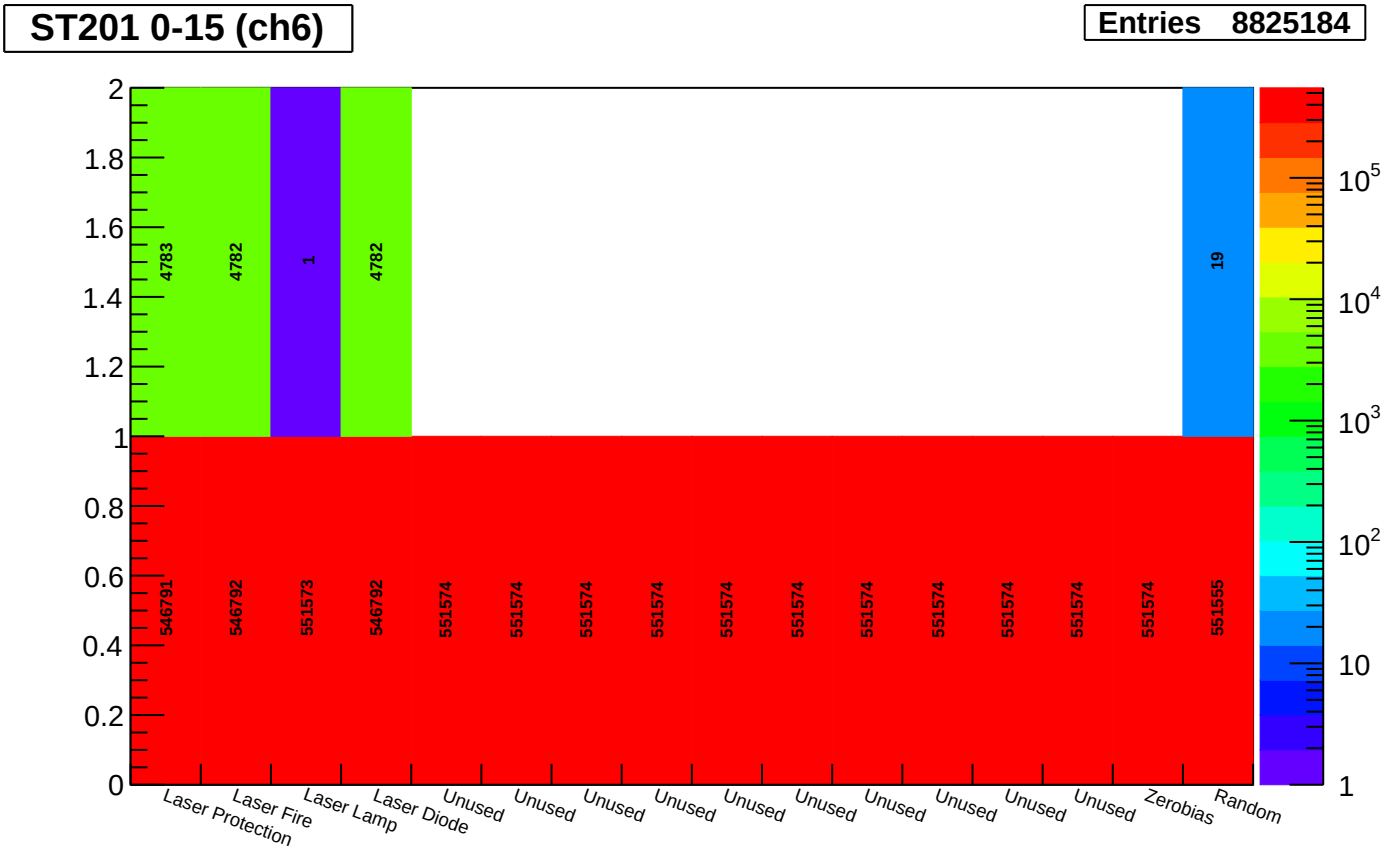

Entries 551574
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

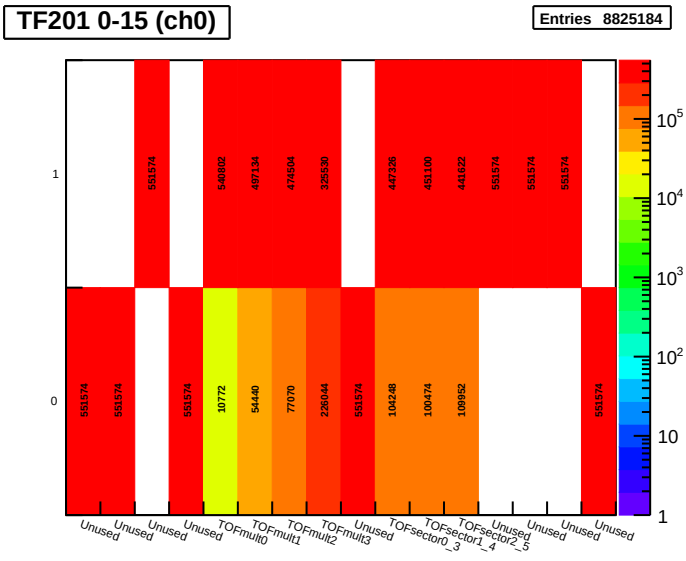

Entries 551574
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

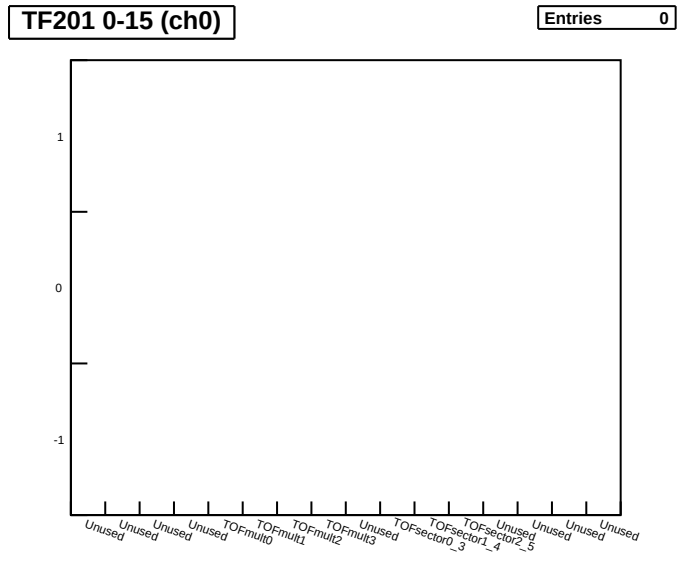

Entries 551574
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

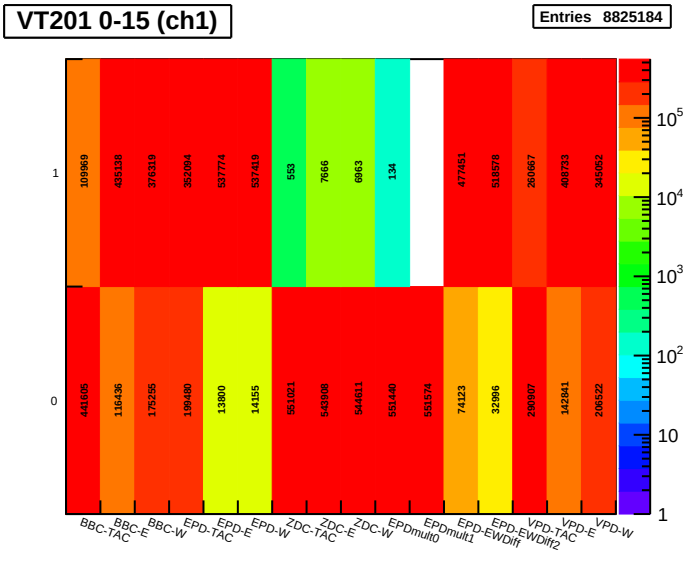

Entries 551574
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

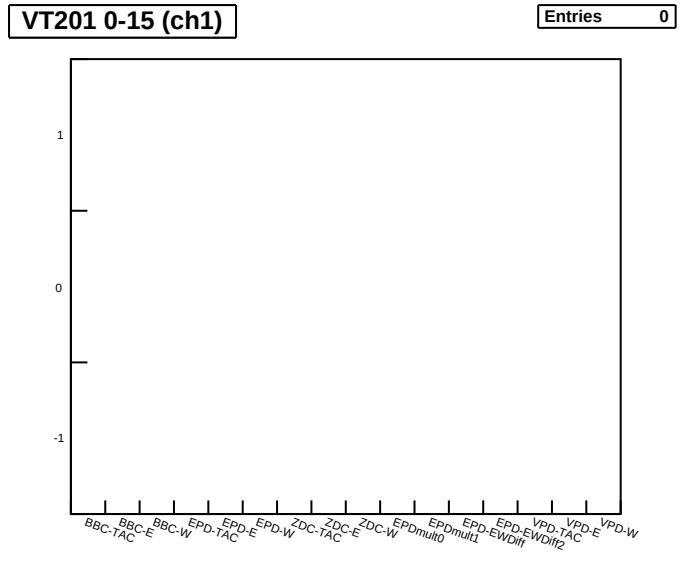

Laser Input Bits
Entries 551574
10^6
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

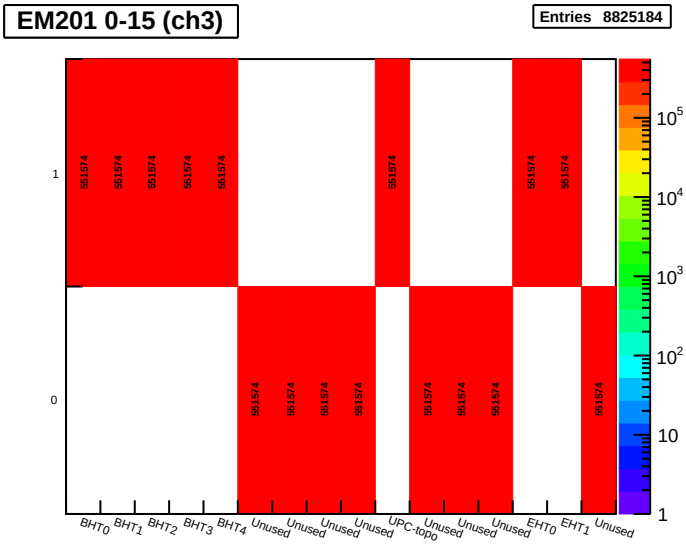

ST201 0-15 (ch6)
Entries 8825184
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
4783
4782
1
4782
19
546791
546792
551573
546792
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551555
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

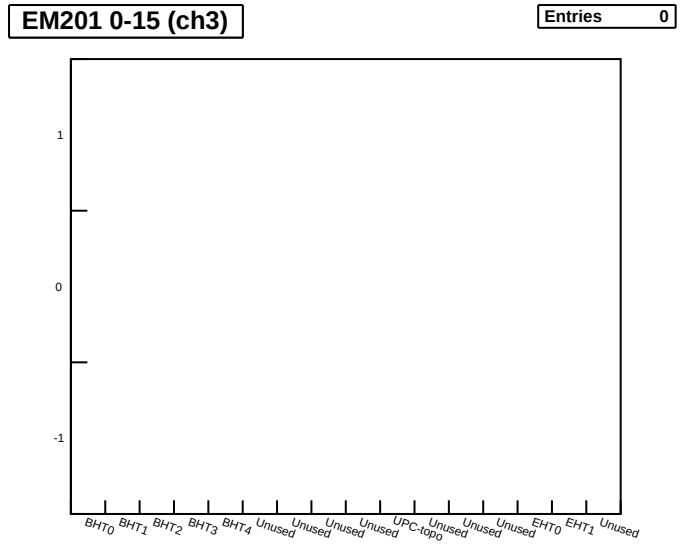

TF201 0-15 (ch0)
Entries 8825184
1
0
551574
540802
497134
474504
325530
447326
451100
441622
551574
551574
551574
551574
551574
551574
10772
54440
77070
226044
551574
104248
100474
109952
551574
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
10^4
10^3
10^2
10
1


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


VT201 0-15 (ch1)
Entries 8825184
1
0
109969
435138
376319
352094
537774
537419
553
7666
6963
134
477451
518578
260667
408733
345062
441605
116436
175255
199480
13800
14155
551021
543908
544611
551440
551574
74123
32996
290907
142841
206522
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 8825184
1
0
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
551574
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