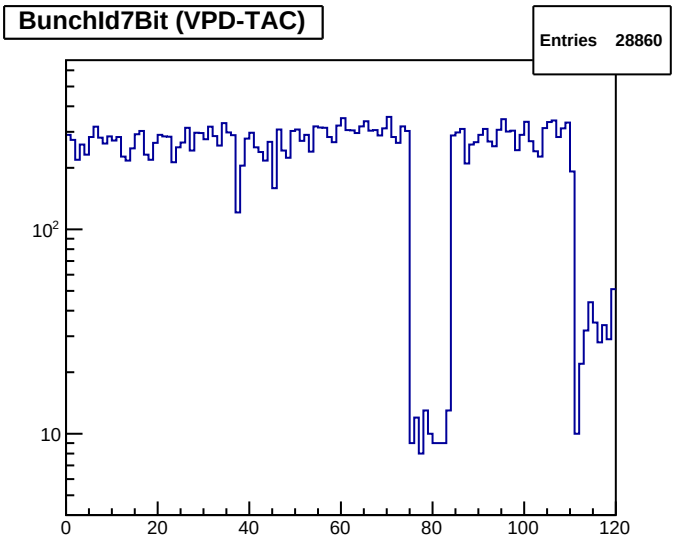
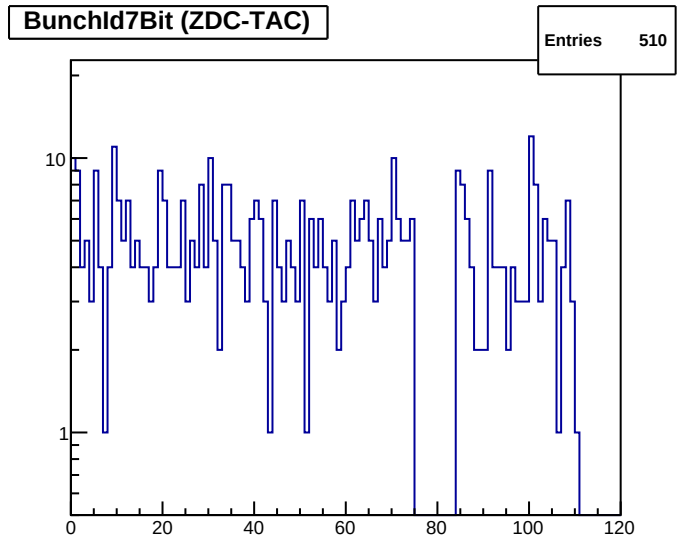
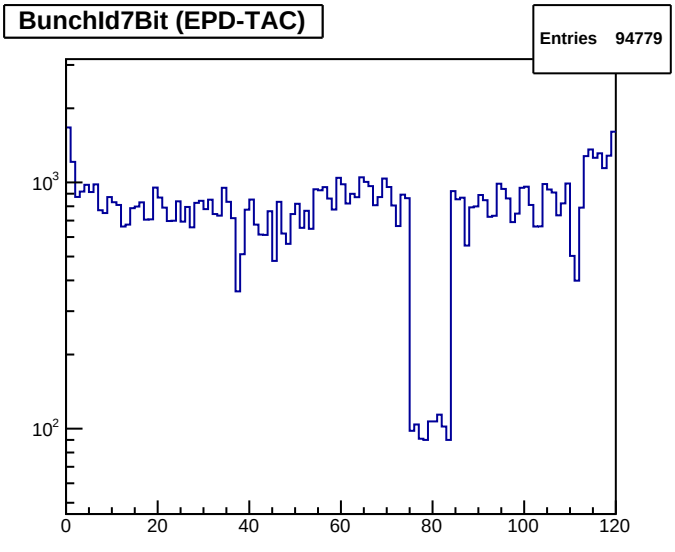
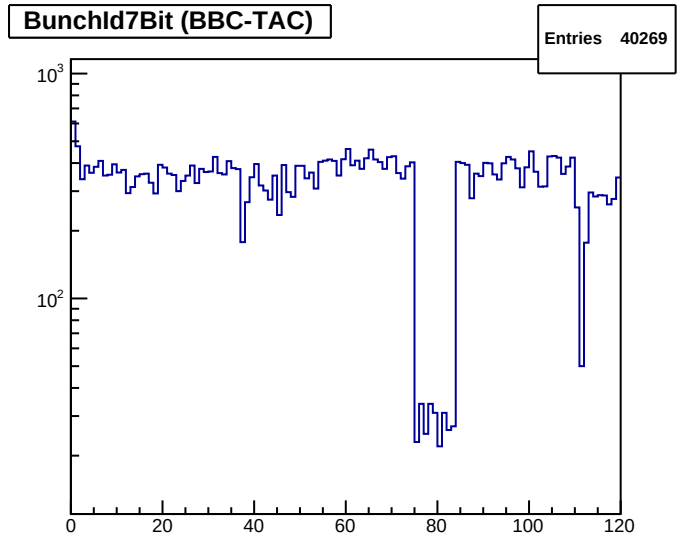
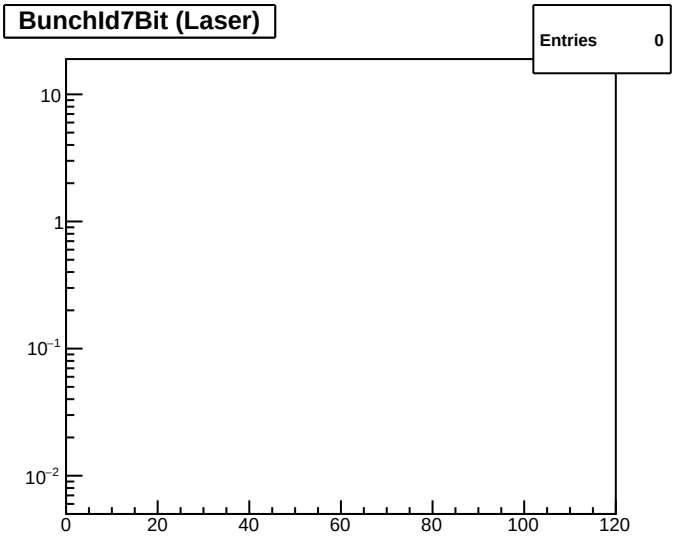
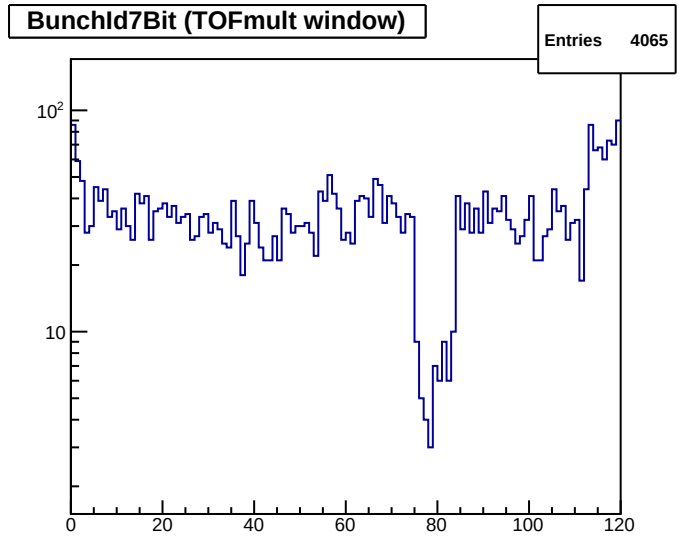

BunchId7Bit (VPD-TAC)
Entries 28860
10^2
10
0 20 40 60 80 100 120

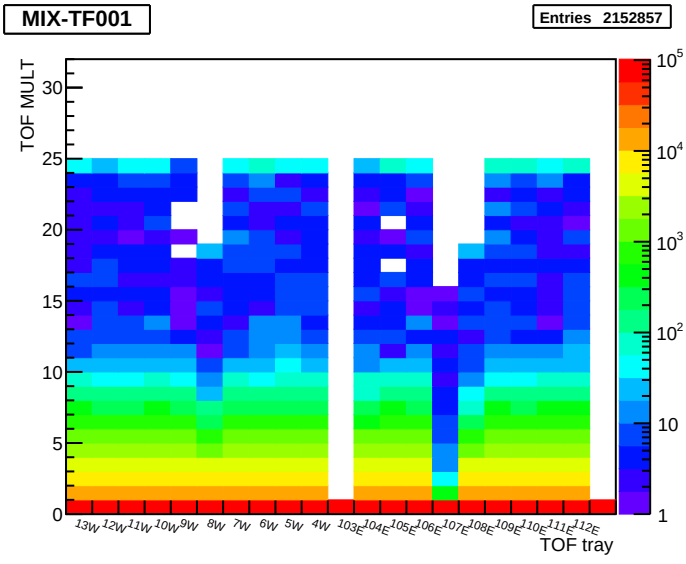

BunchId7Bit (ZDC-TAC)
Entries 510
10
1
0 20 40 60 80 100 120

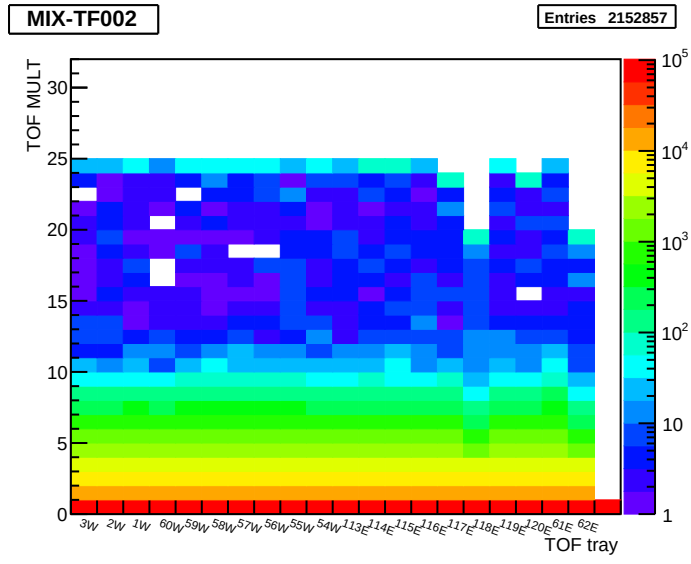

BunchId7Bit (EPD-TAC)
Entries 94779
10^3
10^2
0 20 40 60 80 100 120

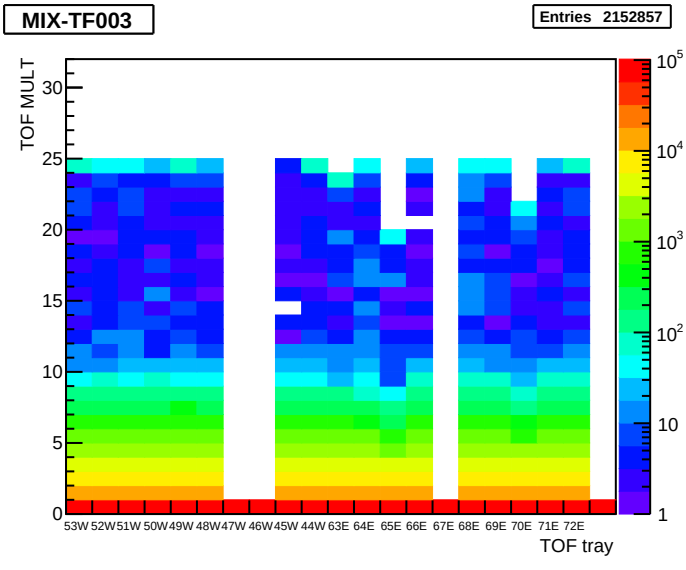

BunchId7Bit (BBC-TAC)
Entries 40269
10^3
10^2
0 20 40 60 80 100 120

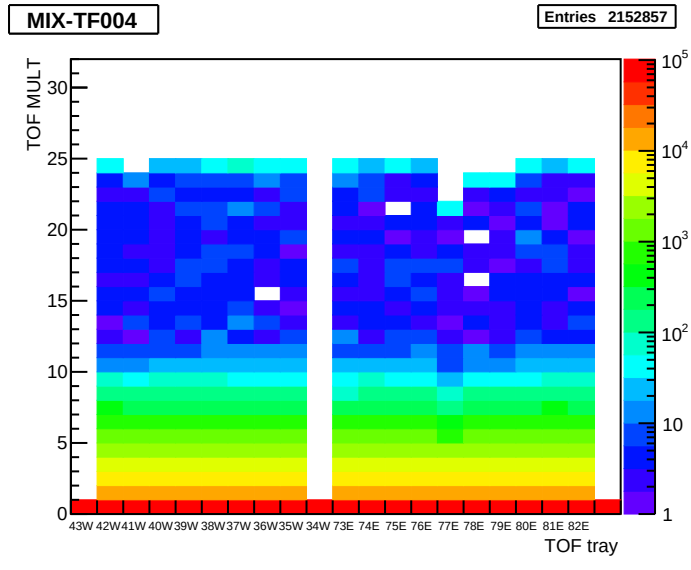

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

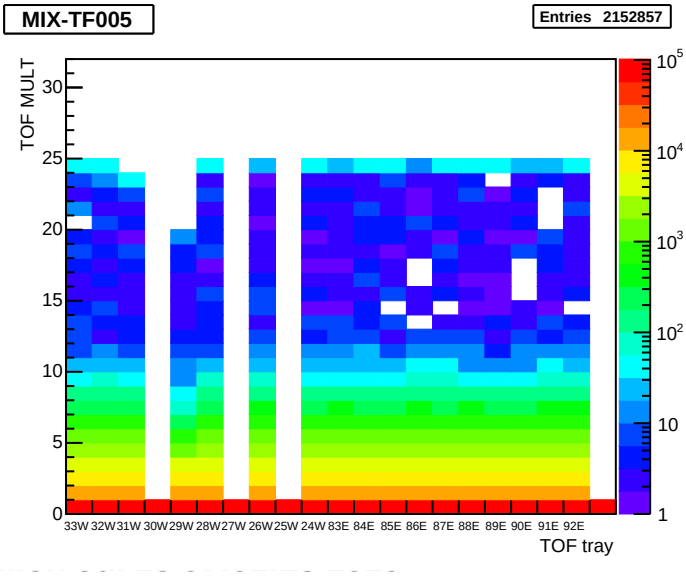

BunchId7Bit (TOFmult window)
Entries 4065
10^2
10
0 20 40 60 80 100 120

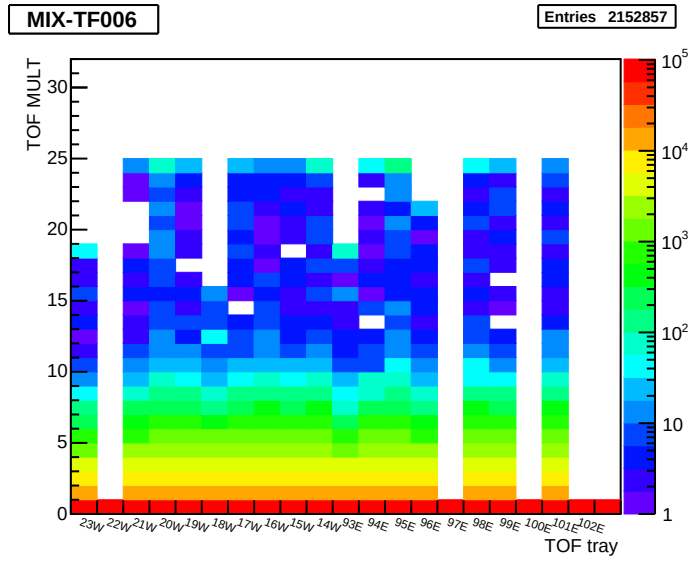

MIX-TF001
Entries 2152857
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

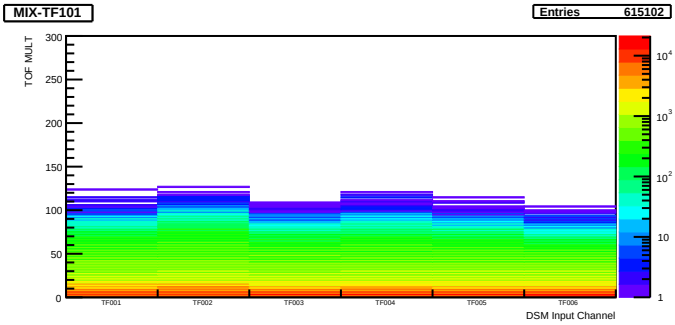

MIX-TF002
Entries 2152857
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

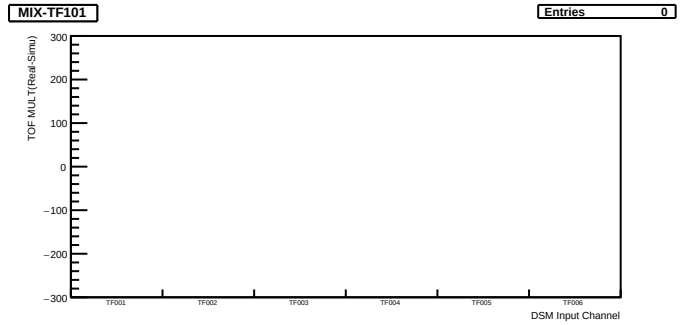

MIX-TF003
Entries 2152857
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

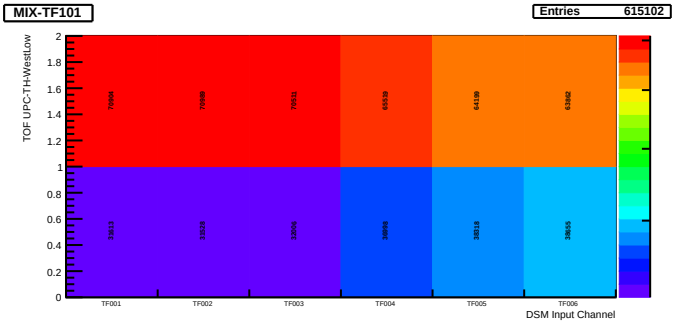

MIX-TF004
Entries 2152857
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

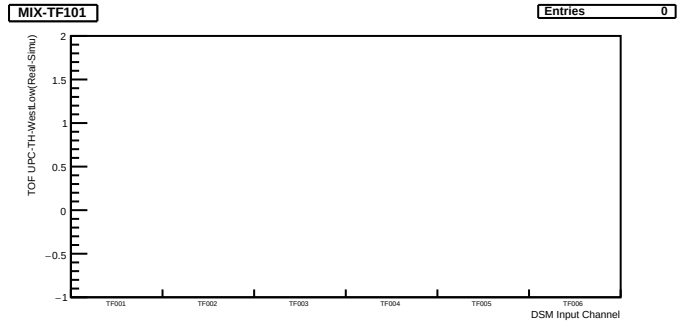

MIX-TF005
Entries 2152857
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

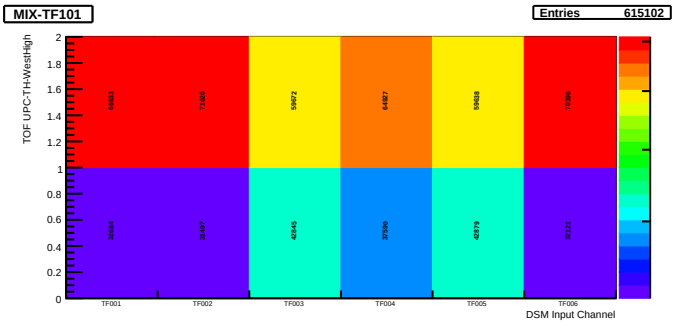

MIX-TF006
Entries 2152857
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

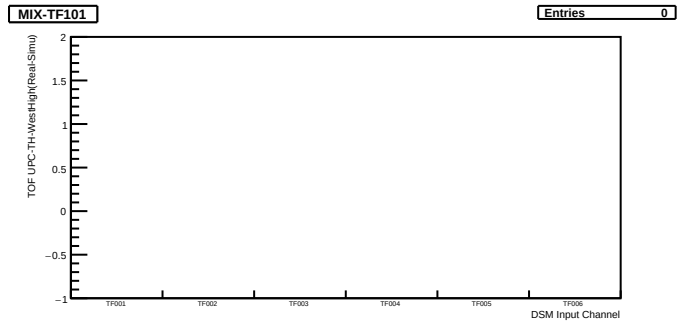

MIX-TF101
Entries 615102
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

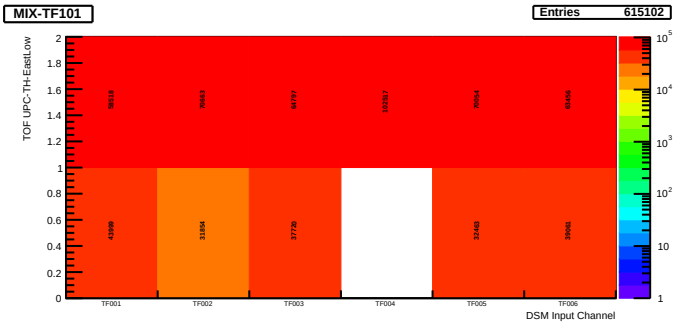

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

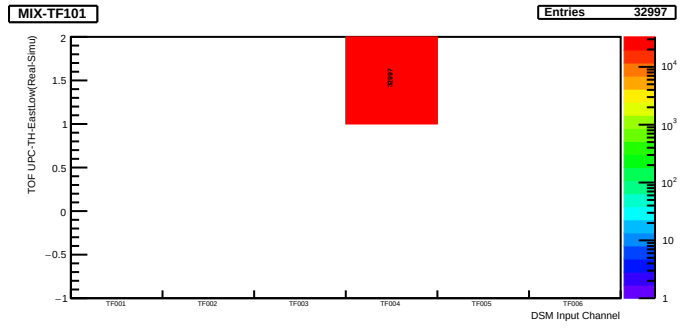

MIX-TF101
Entries 615102
TOF UPC-TH-WestLow
70904
70588
70531
65539
64139
63842
33813
33829
33806
38998
38318
38695
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

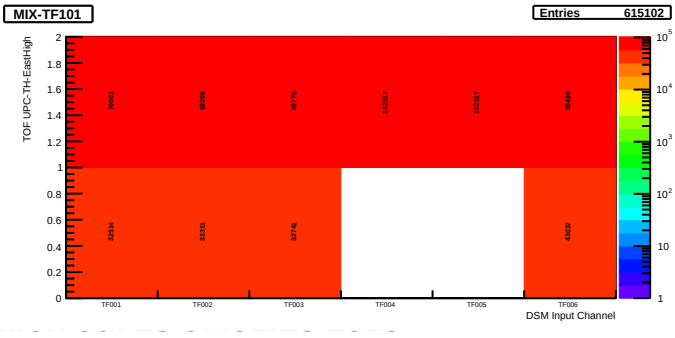

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

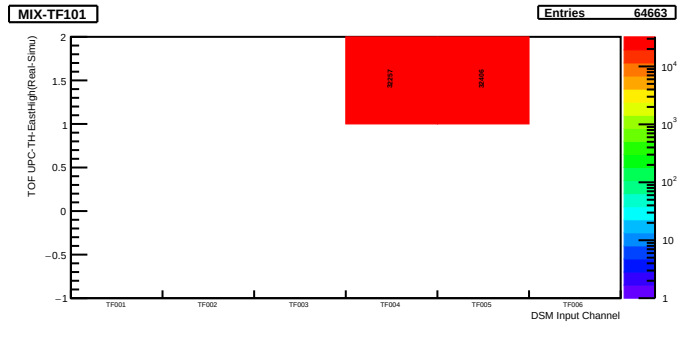

MIX-TF101
Entries 615102
TOF UPC-TH-WestHigh
69833
71820
59872
64827
59838
70396
32634
31457
42845
37590
42979
32121
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

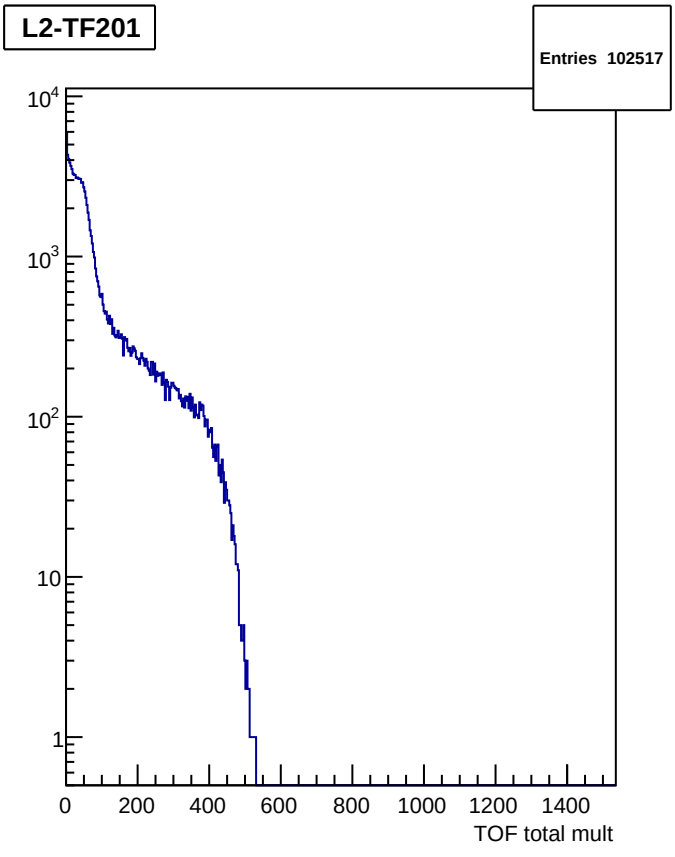

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

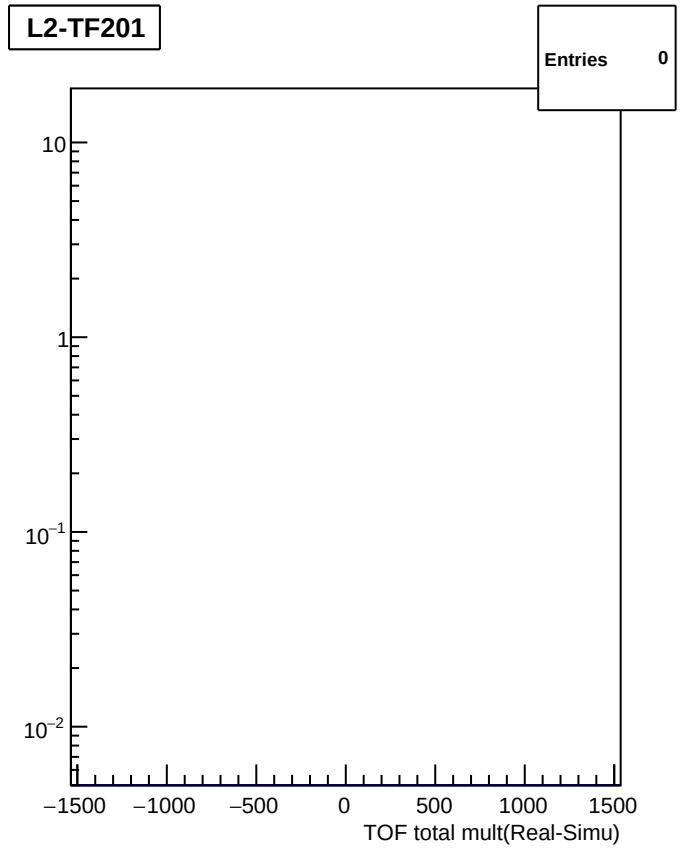

MIX-TF101
Entries 615102
TOF UPC-TH-EastLow
95518
70563
64797
102527
70554
63456
42989
31854
37720
32463
39041
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

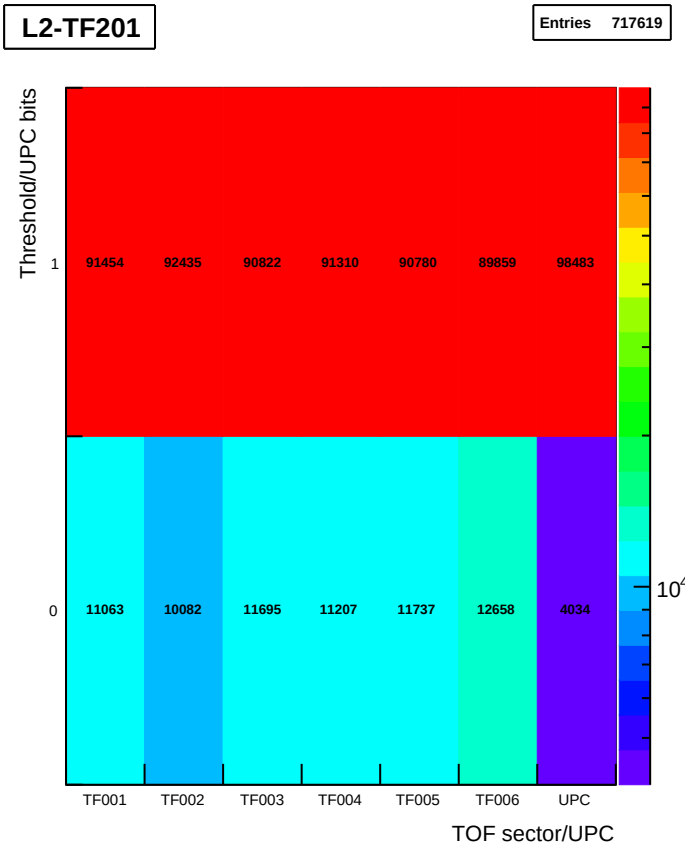

MIX-TF101
Entries 32997
TOF UPC-TH-EastLow(Real-Simu)
32997
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

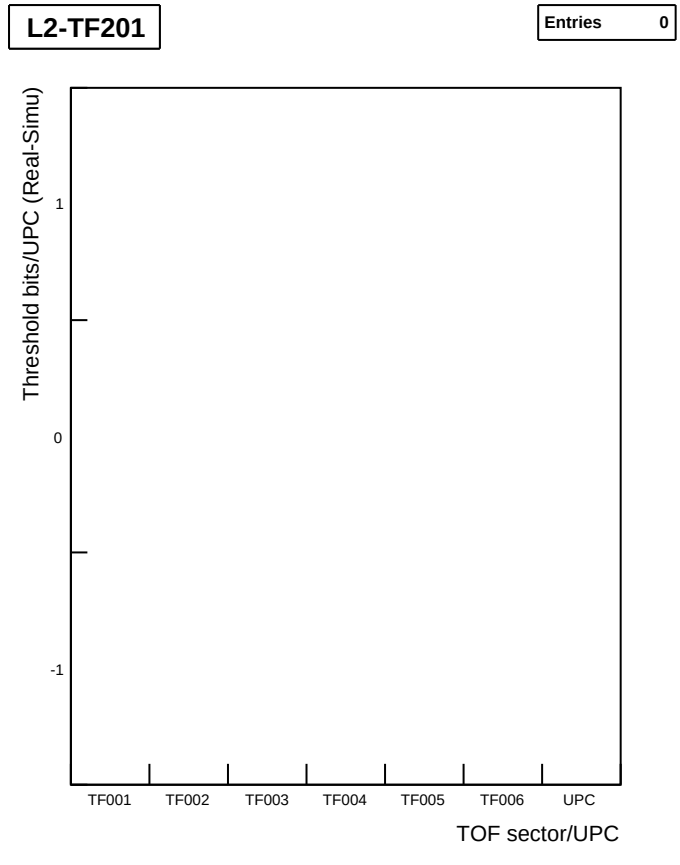

MIX-TF101
Entries 615102
TOF UPC-TH-EastHigh
70003
69206
69776
102527
102527
59469
32534
33331
32741
43937
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

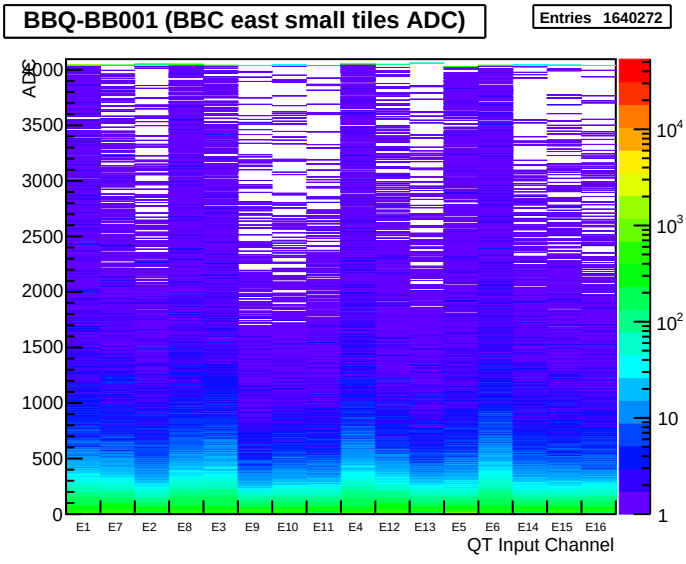

MIX-TF101
Entries 64663
TOF UPC-TH-EastHigh(Real-Simu)
32257
32466
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

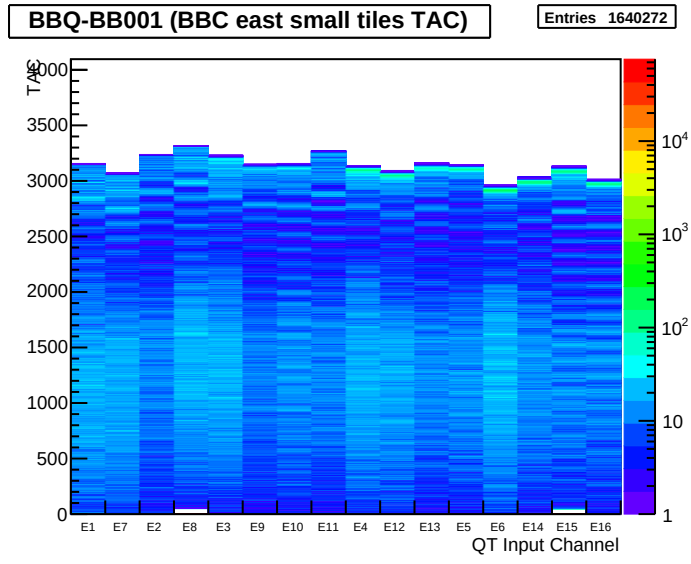

L2-TF201
Entries 102517
TOF total mult

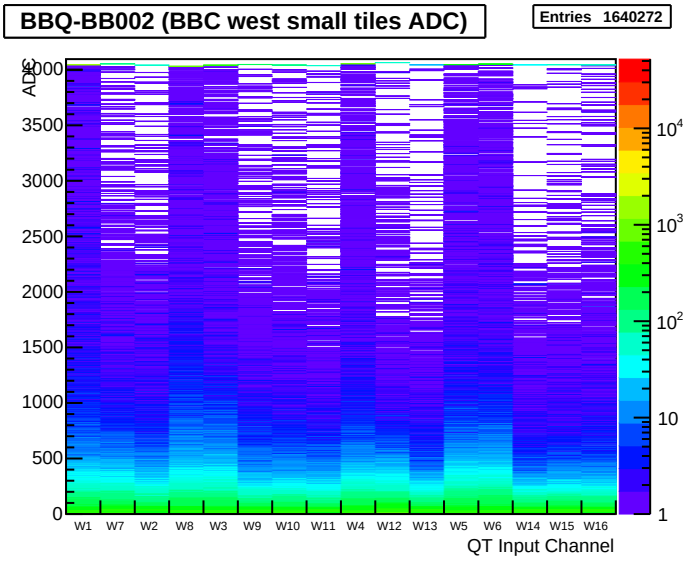

L2-TF201
Entries 0
TOF total mult(Real-Simu)

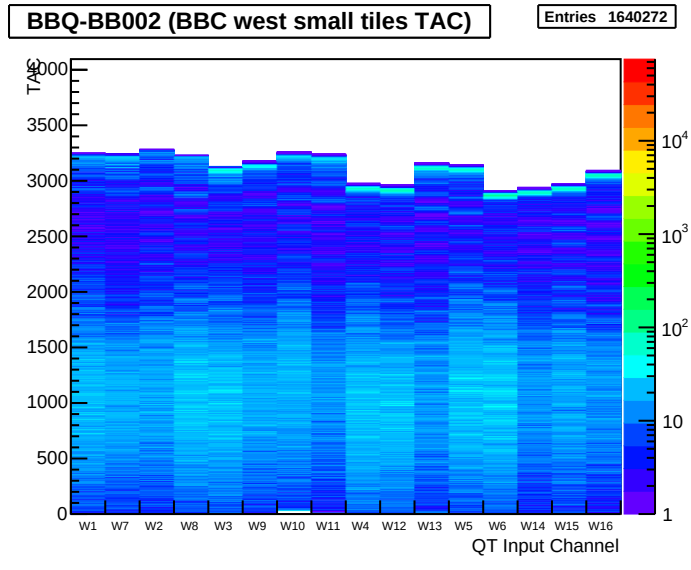

L2-TF201
Entries 717619
Threshold/UPC bits
91454
92435
90822
91310
90780
89859
98483
11063
10082
11695
11207
11737
12658
4034
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

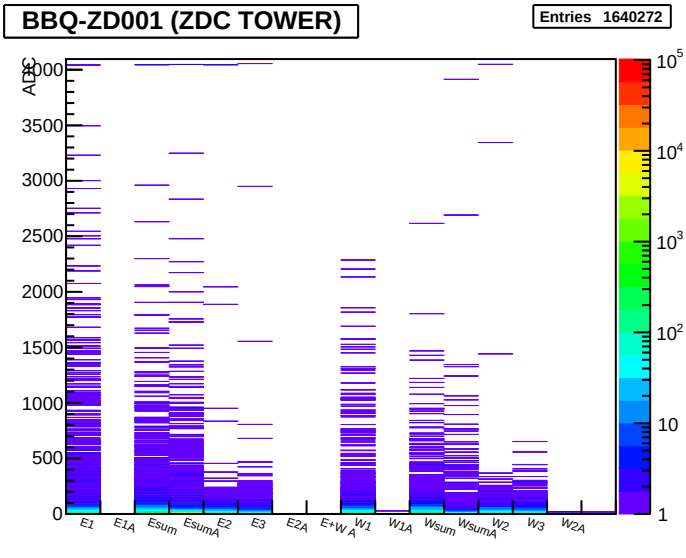

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

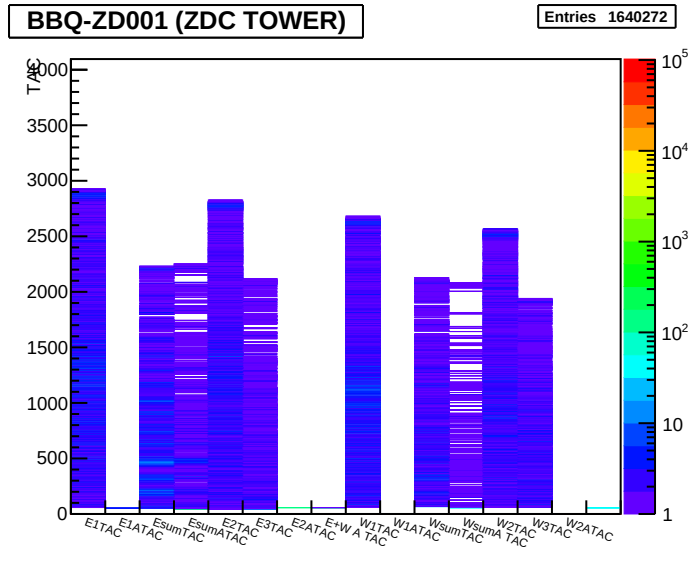

BBQ-BB001 (BBC east small tiles ADC)
Entries 1640272
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

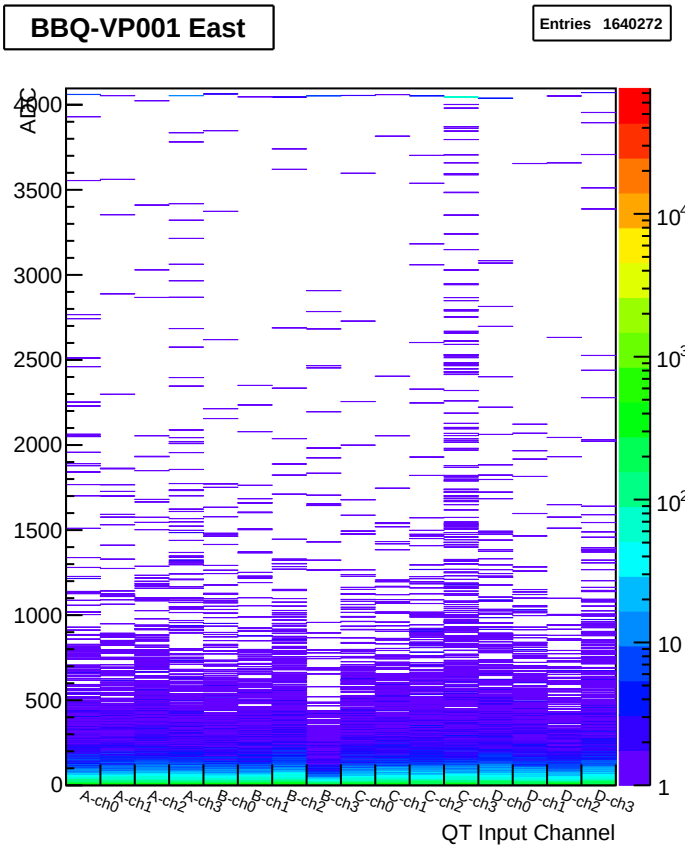

BBQ-BB001 (BBC east small tiles TAC)
Entries 1640272
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

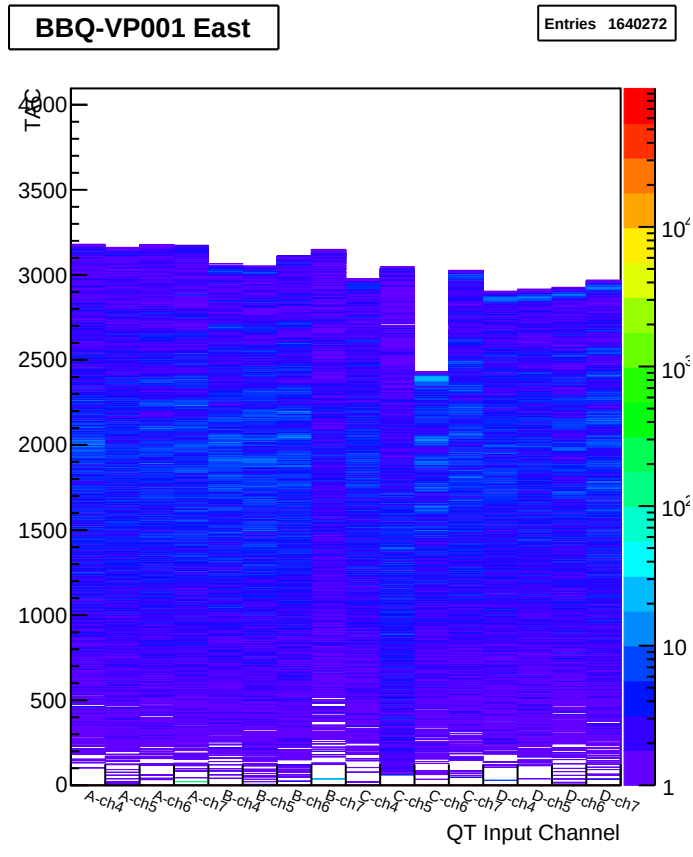

BBQ-BB002 (BBC west small tiles ADC)
Entries 1640272
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

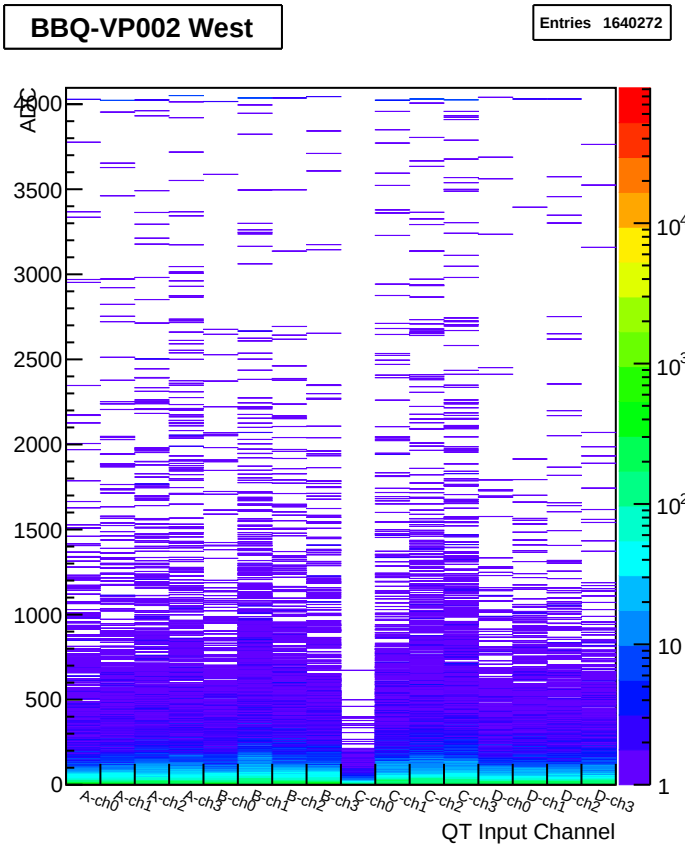

BBQ-BB002 (BBC west small tiles TAC)
Entries 1640272
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

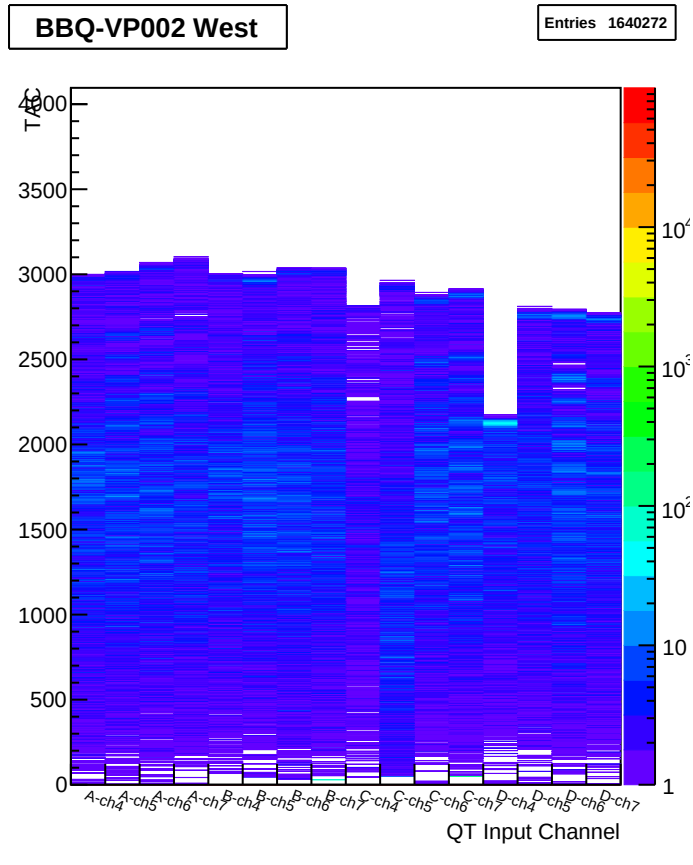

BBQ-ZD001 (ZDC TOWER)
Entries 1640272
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

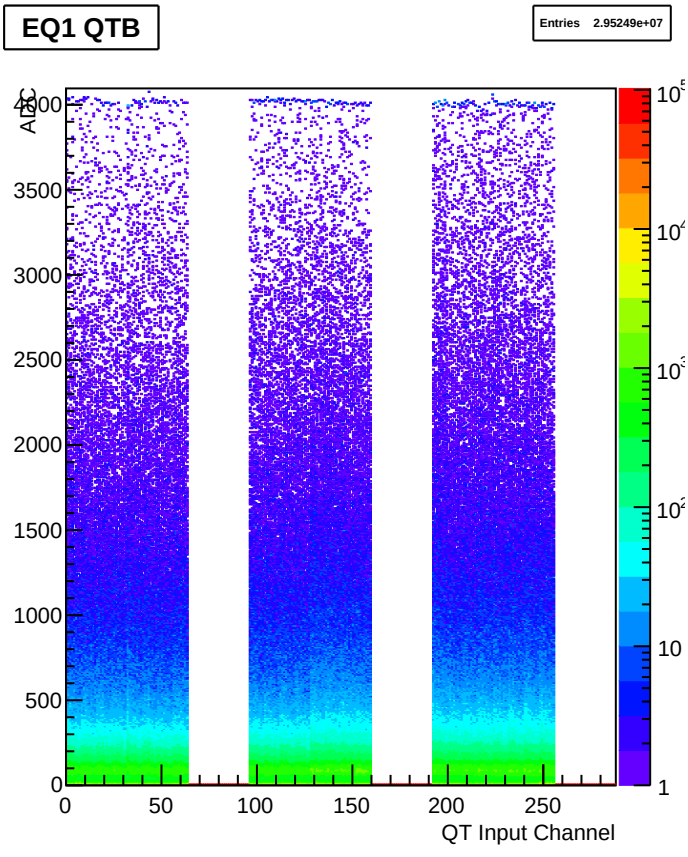

BBQ-ZD001 (ZDC TOWER)
Entries 1640272
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

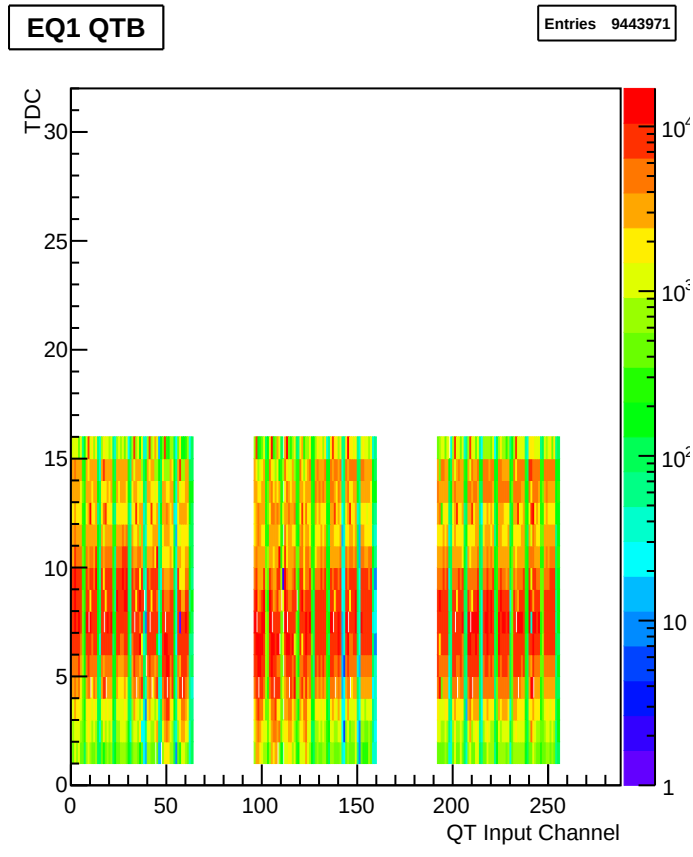

BBQ-VP001 East
Entries 1640272
ADC
QT Input Channel

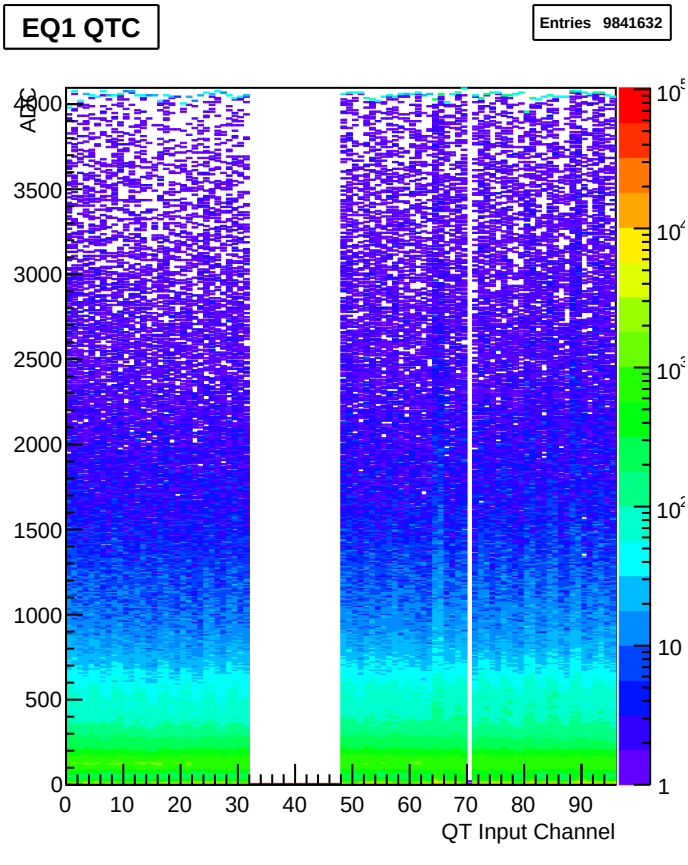

BBQ-VP001 East
Entries 1640272
TAC
QT Input Channel

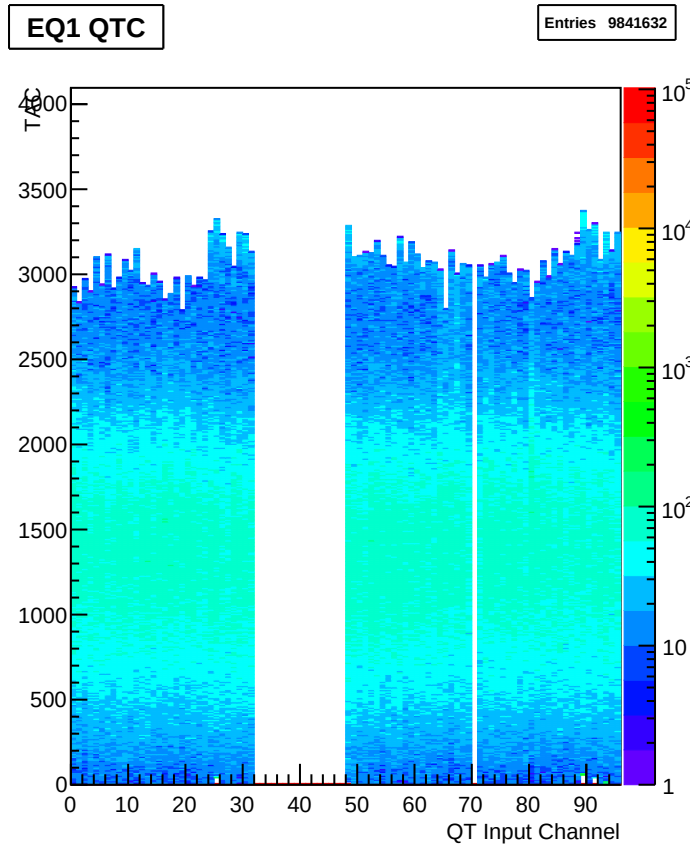

BBQ-VP002 West
Entries 1640272
ADC
QT Input Channel

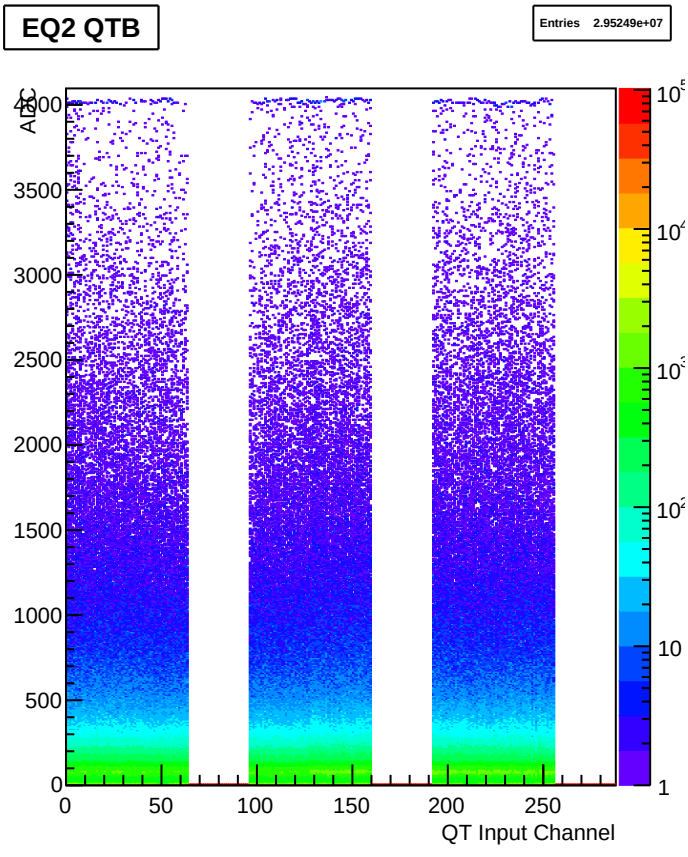

BBQ-VP002 West
Entries 1640272
TAC
QT Input Channel

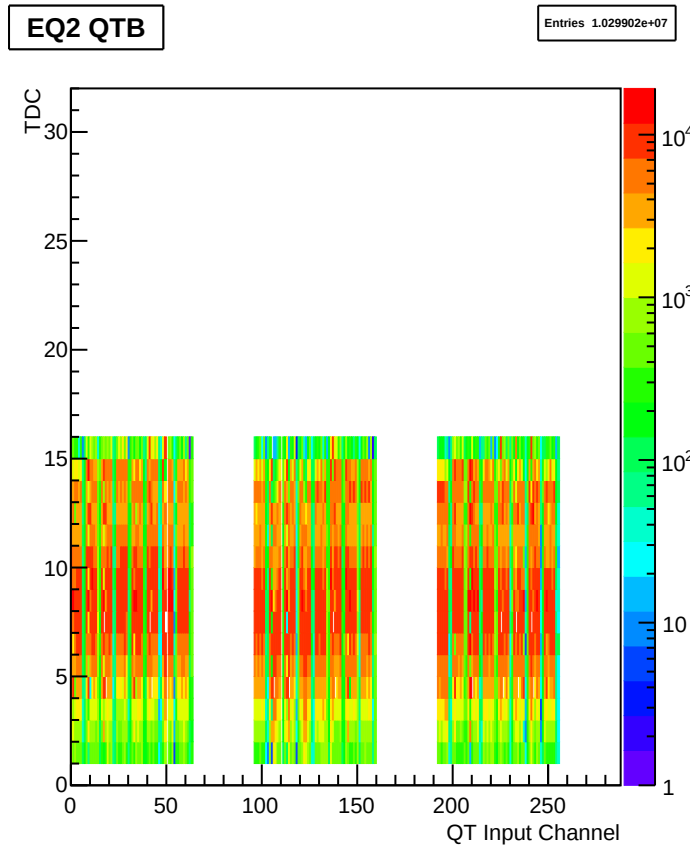

EQ1 QTB
Entries 2.95249e+07
ADC
QT Input Channel

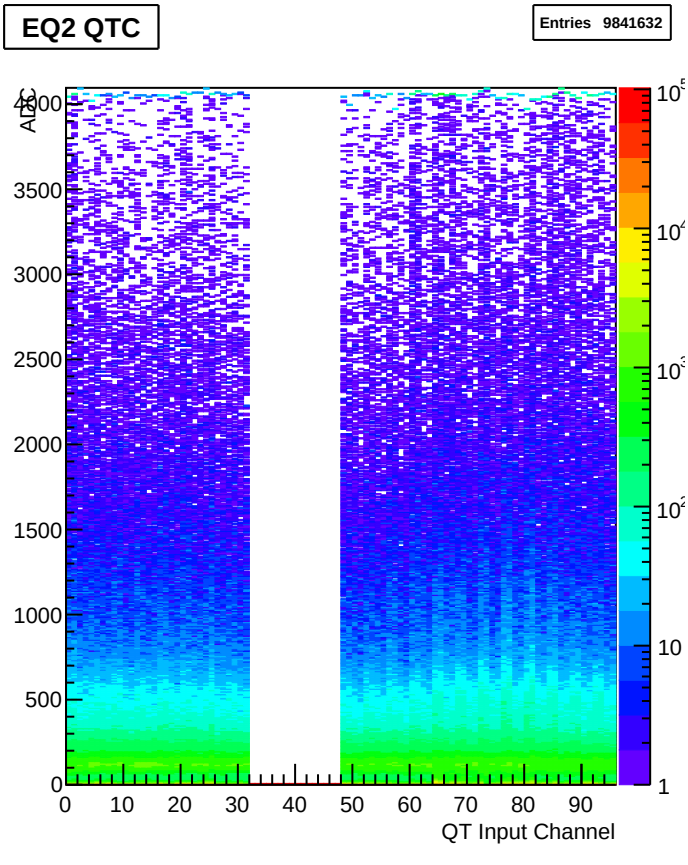

EQ1 QTB
Entries 9443971
TDC
QT Input Channel

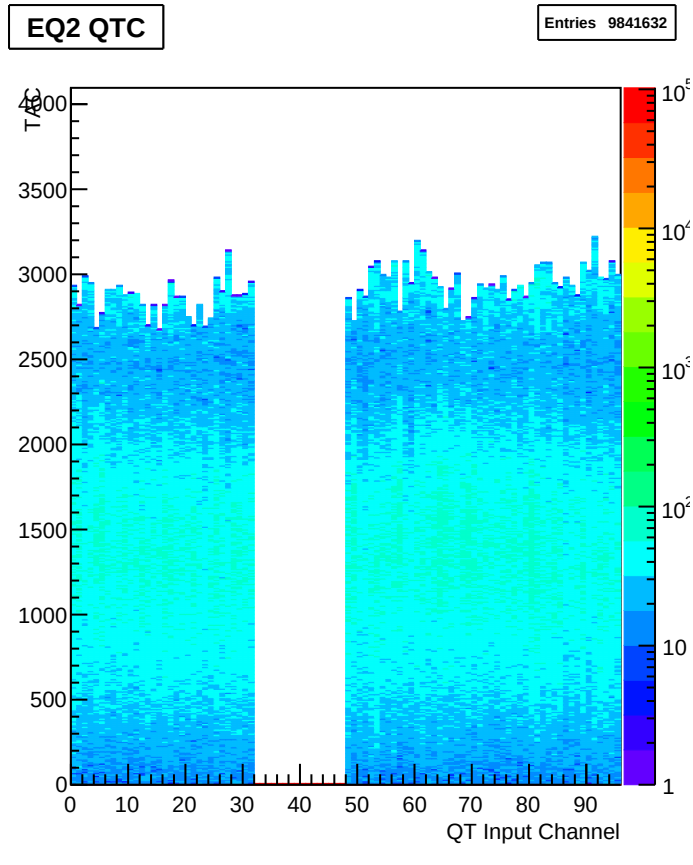

EQ1 QTC
Entries 9841632
ADC
QT Input Channel

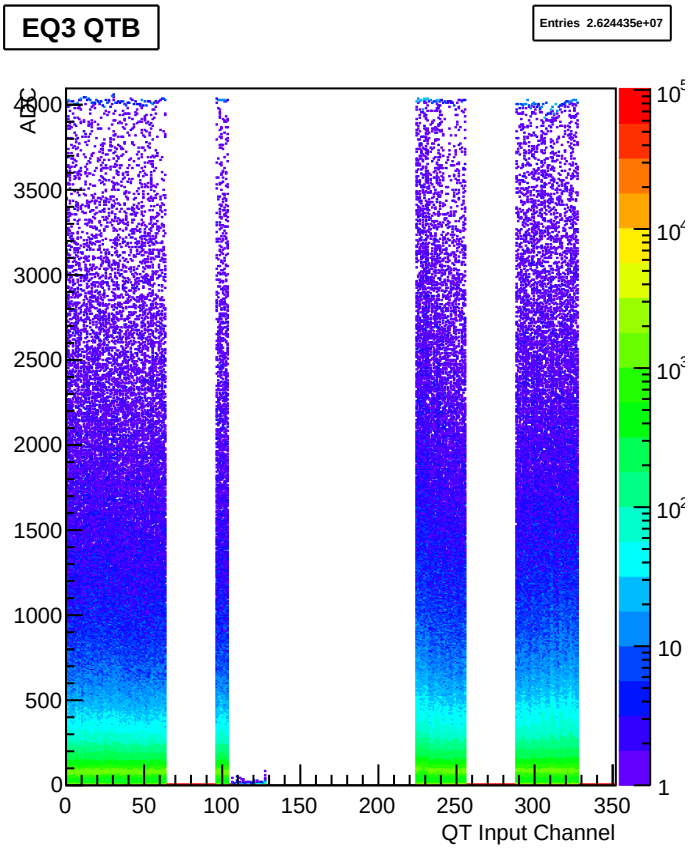

EQ1 QTC
Entries 9841632
TADC
QT Input Channel

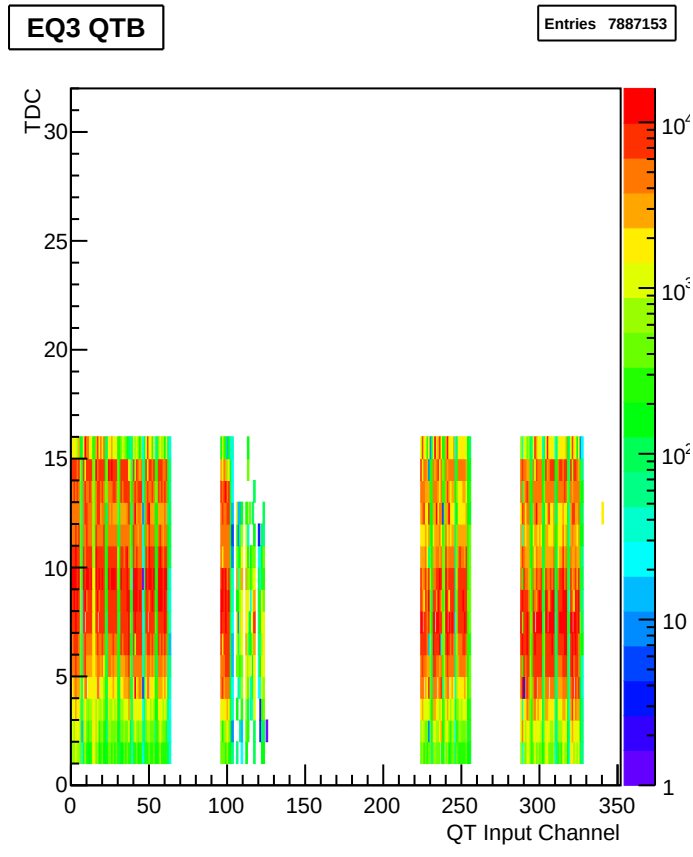

EQ2 QTB
Entries 2.95249e+07
ADC
QT Input Channel

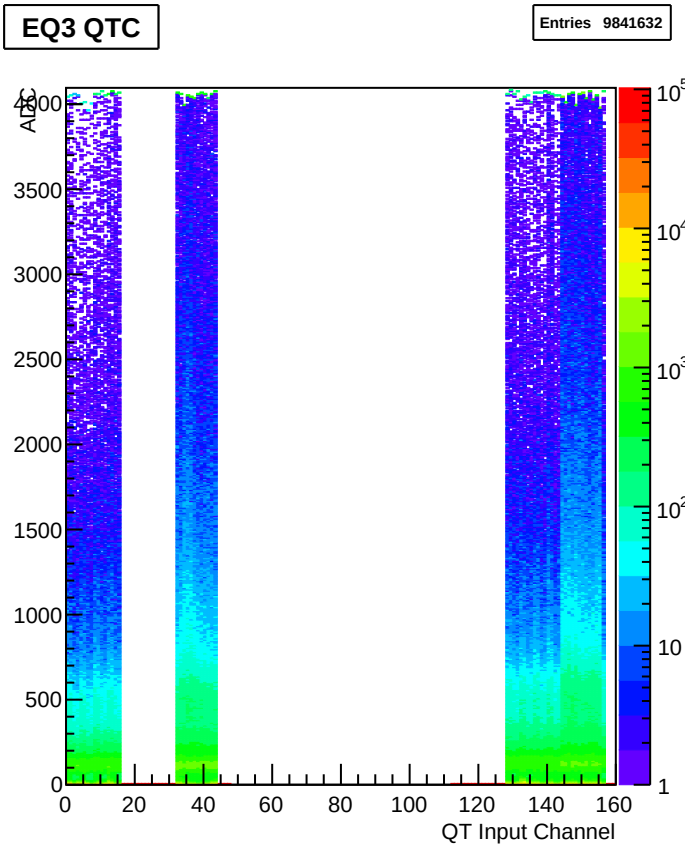

EQ2 QTB
Entries 1.029902e+07
TDC
QT Input Channel

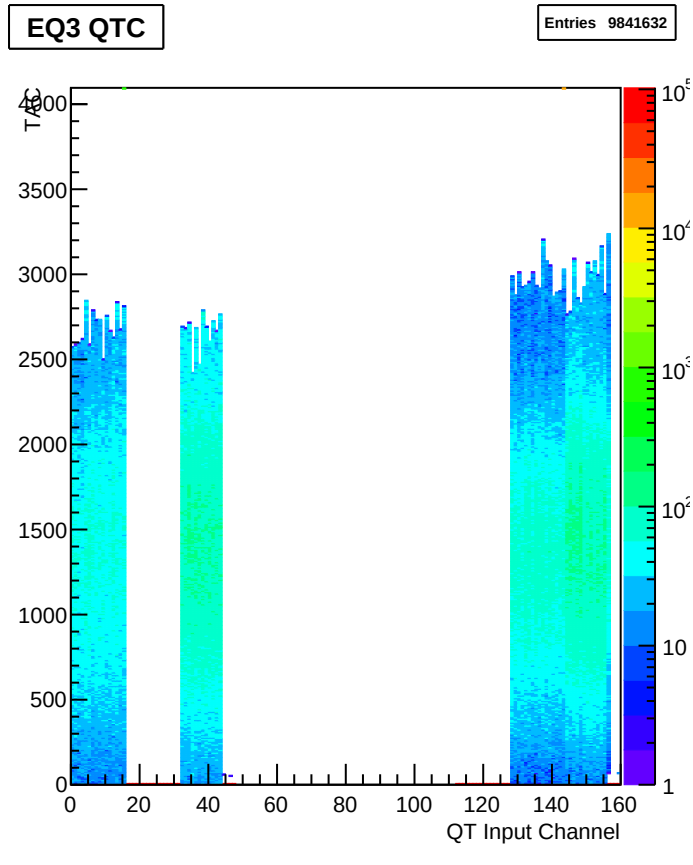

EQ2 QTC
Entries 9841632
ADC
QT Input Channel

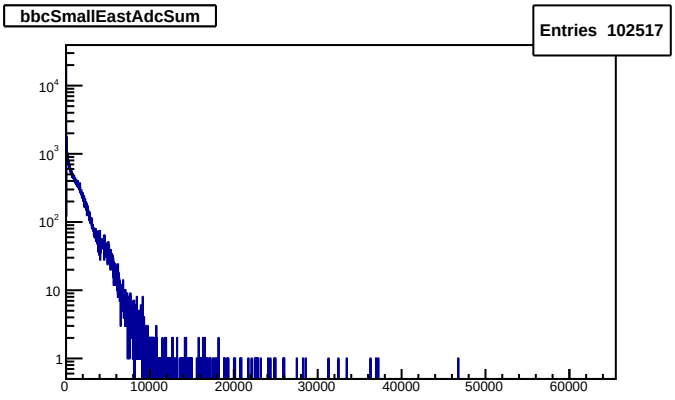

EQ2 QTC
Entries 9841632
TADC
QT Input Channel

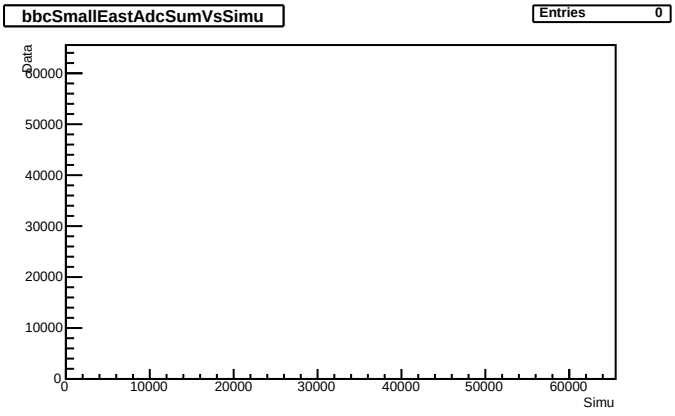

EQ3 QTB
Entries 2.624435e+07
ADC
QT Input Channel

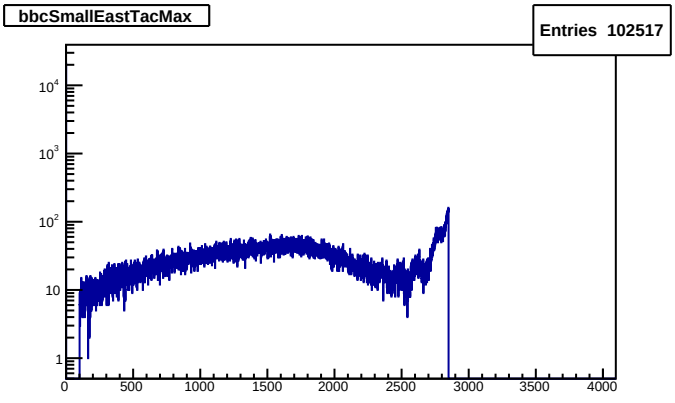

EQ3 QTB
Entries 7887153
TDC
QT Input Channel

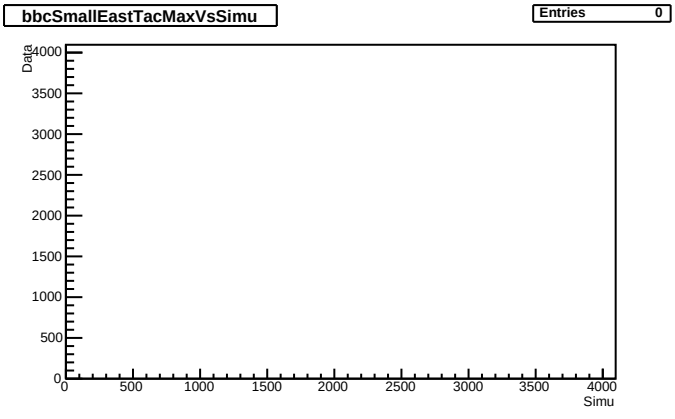

EQ3 QTC
Entries 9841632
ADC
QT Input Channel

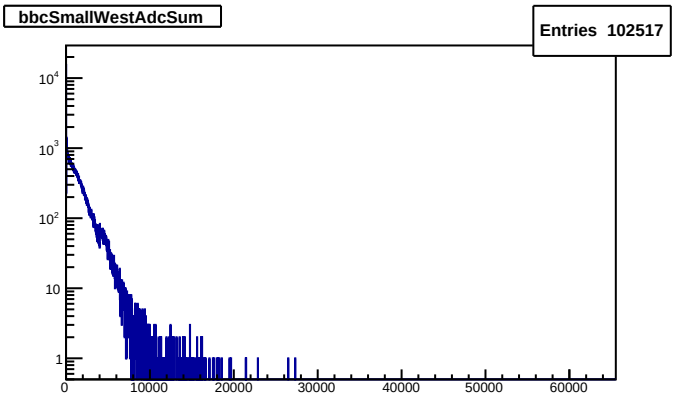

EQ3 QTC
Entries 9841632
TADC
QT Input Channel

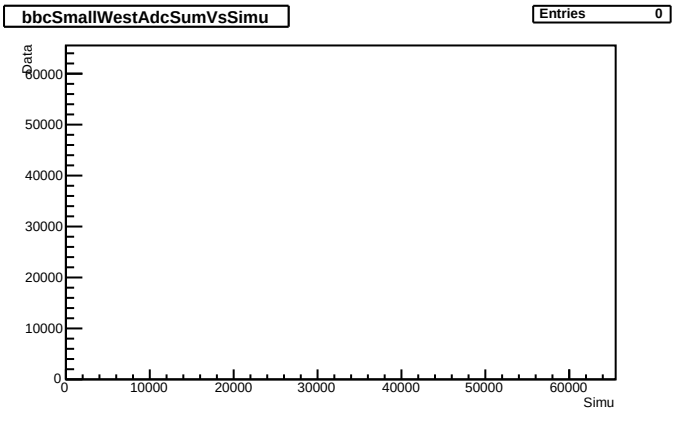

bbcSmallEastAdcSum
Entries 102517


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 102517


bbcSmallEastTacMaxVsSimu
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 102517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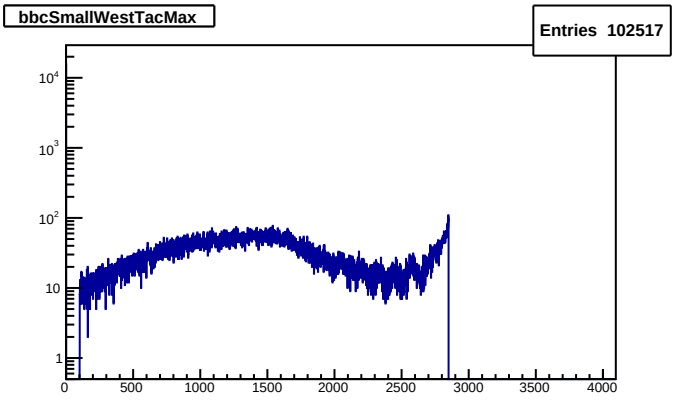
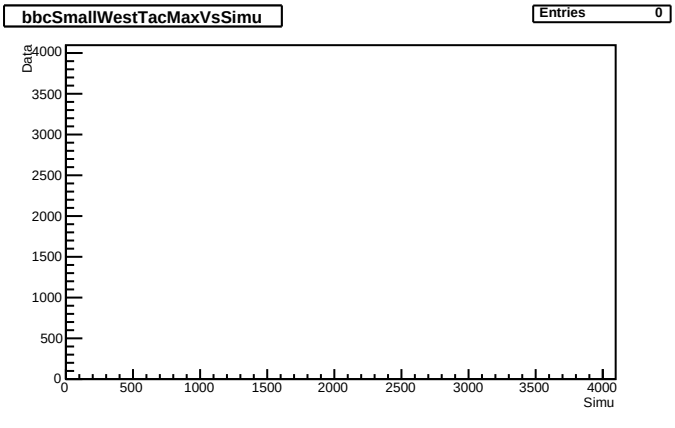
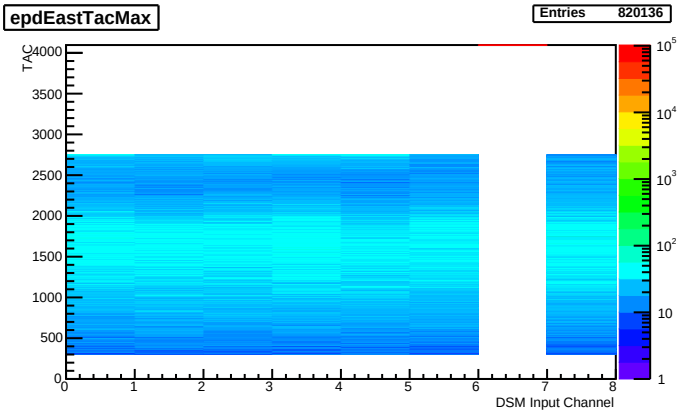
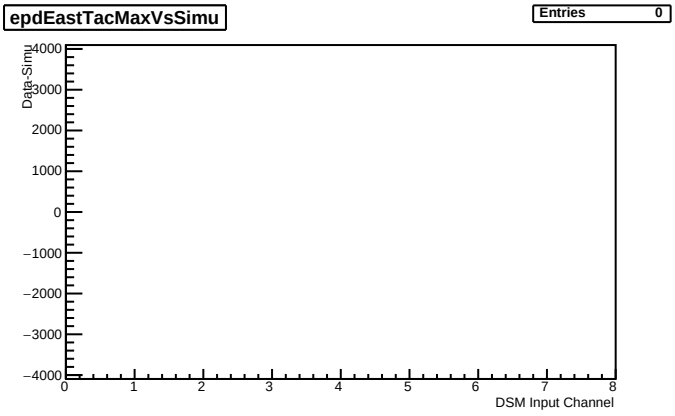
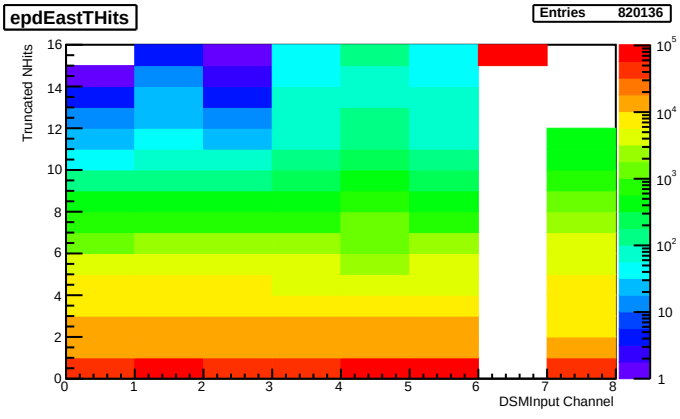
Entries 0
Data
Simu

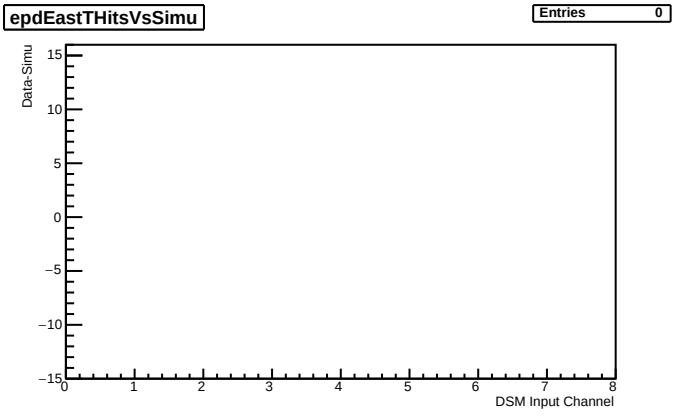

bbcSmallWestTacMax
Entries 102517

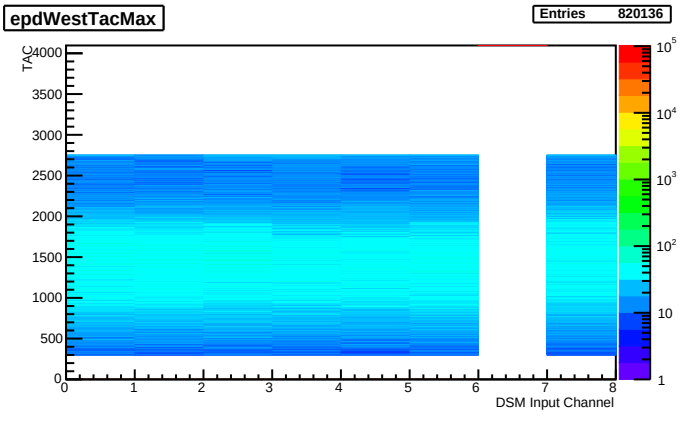

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

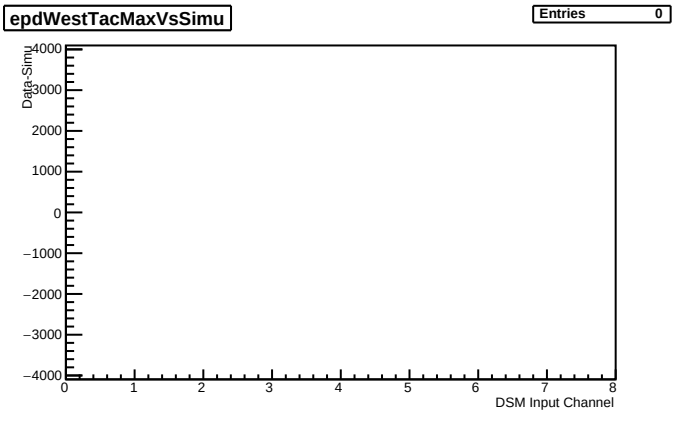

epdEastTacMax
Entries 820136
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 820136
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 820136
TAC
DSM Input Channel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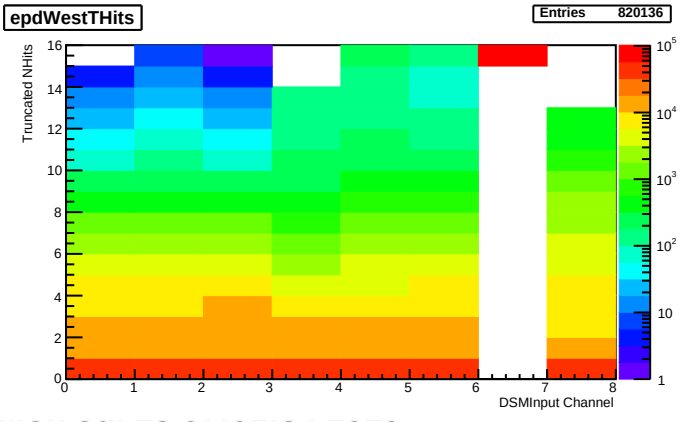
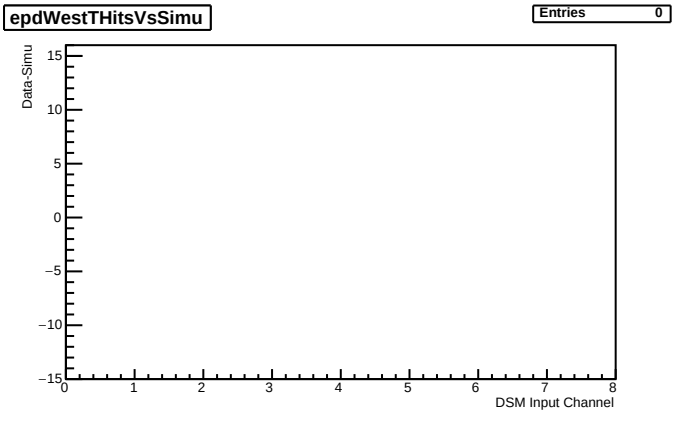
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 820136
Truncated NHits
DSMInput Channel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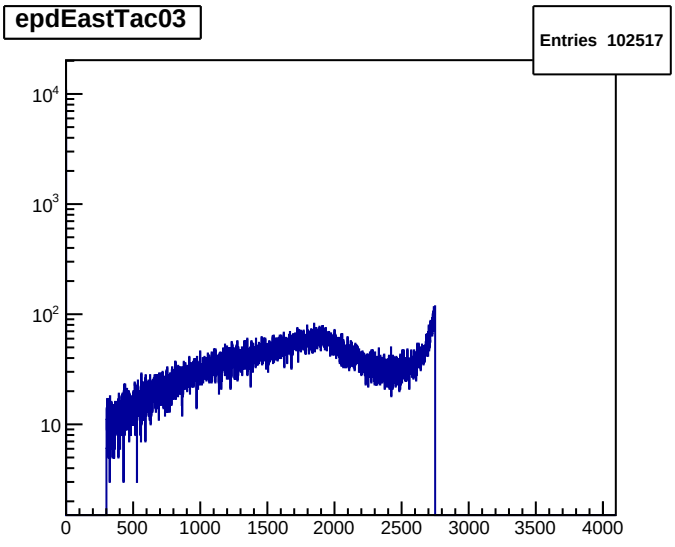
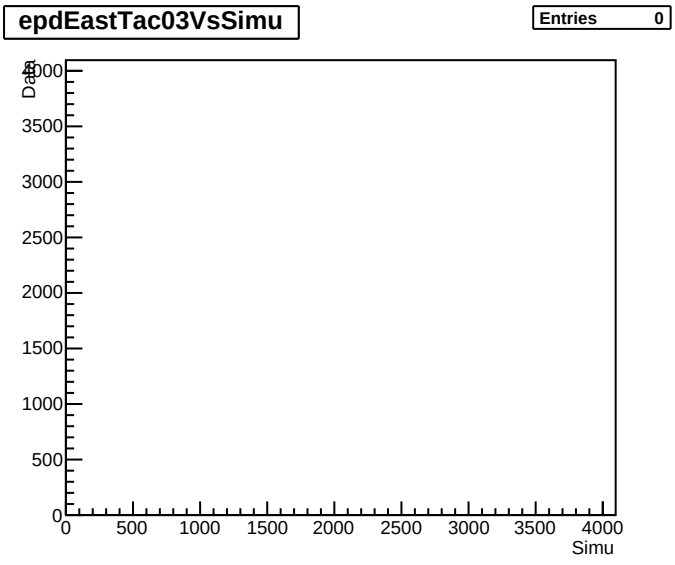
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 102517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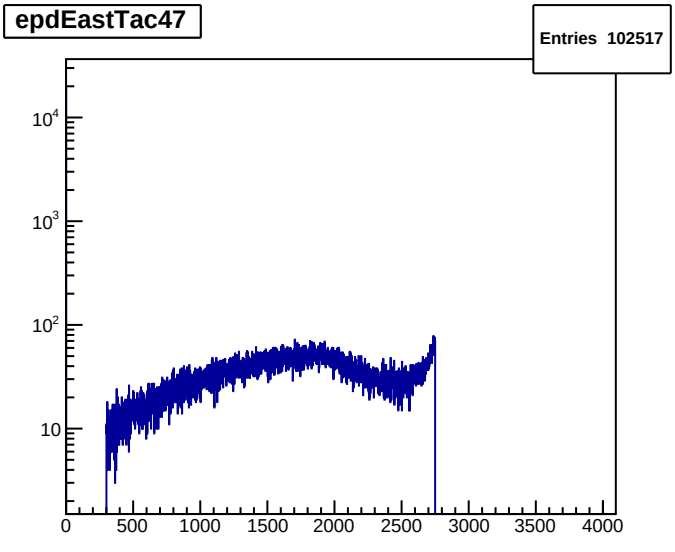
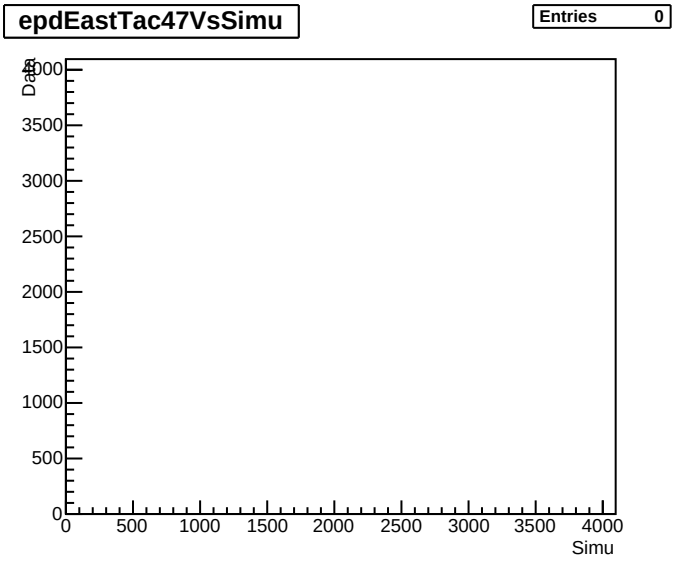
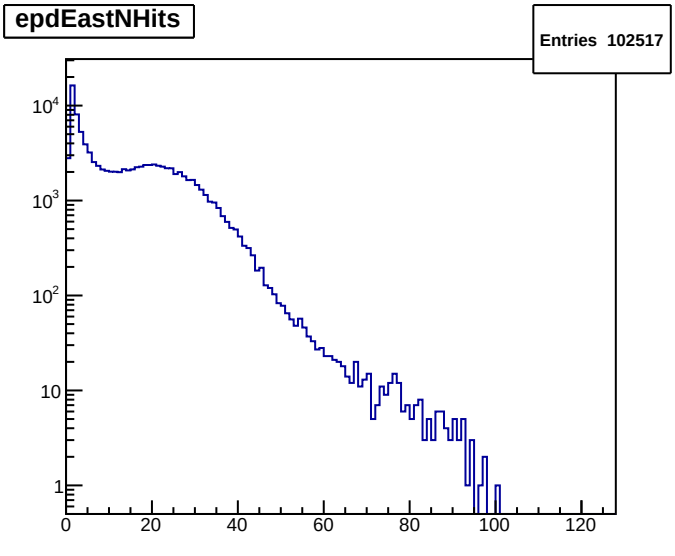
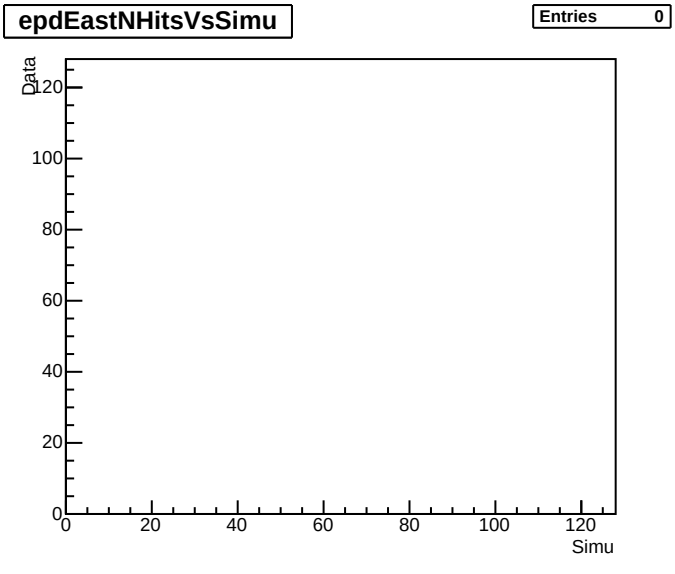
Entries 0
Data
Simu


epdEastTac47
Entries 102517


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 102517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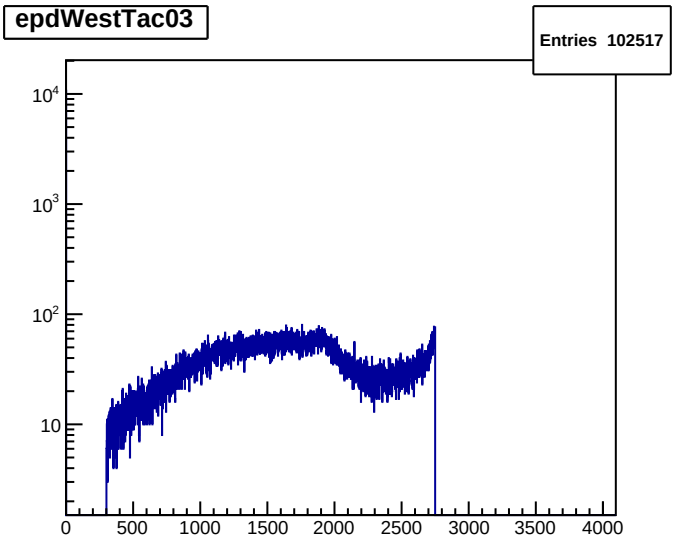
Entries 0
Data
Simu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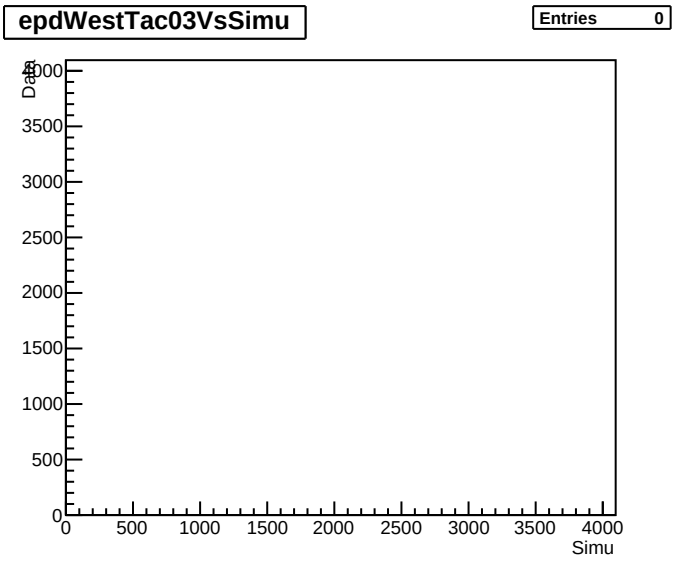
Entries 102517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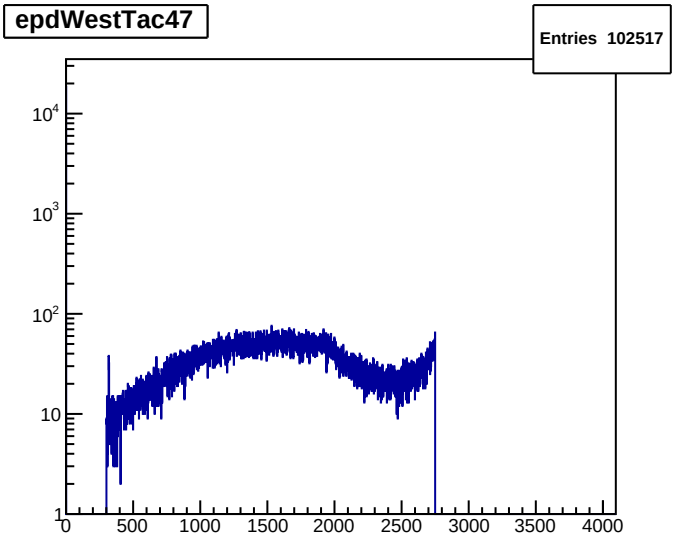
Entries 0
Data
Simu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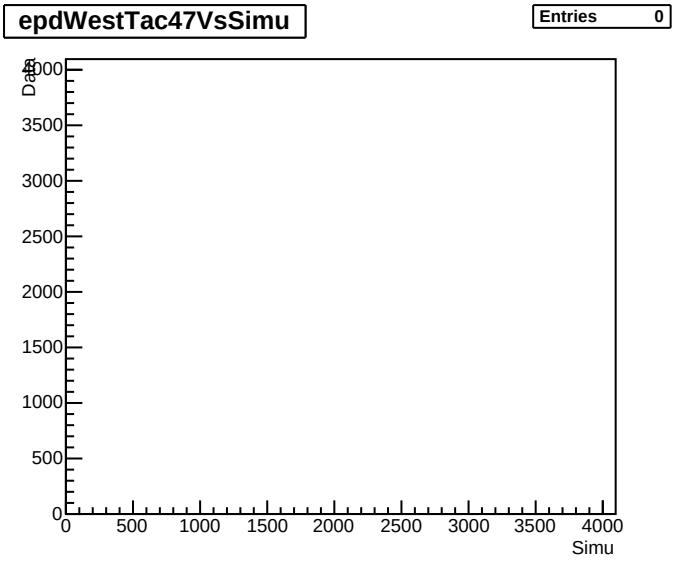
Entries 102517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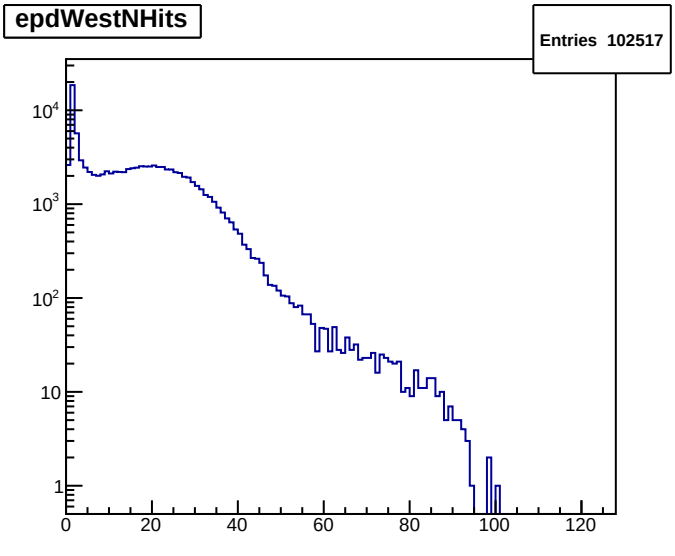
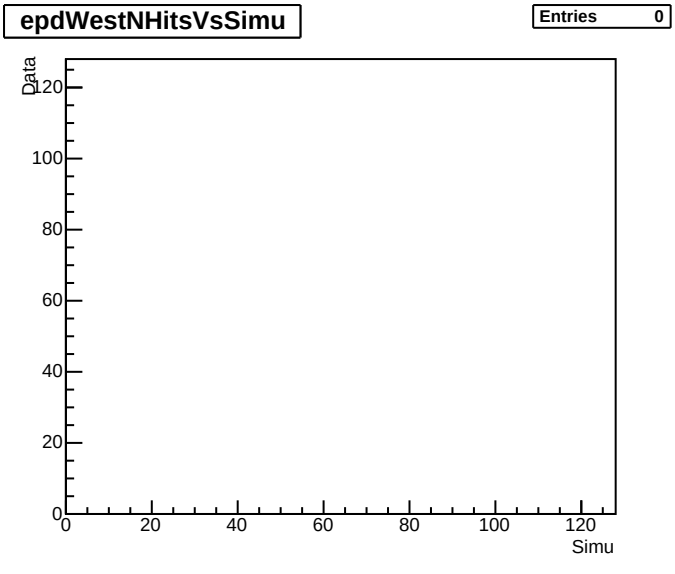
Entries 0
Data
Simu


epdWestNHits
Entries 102517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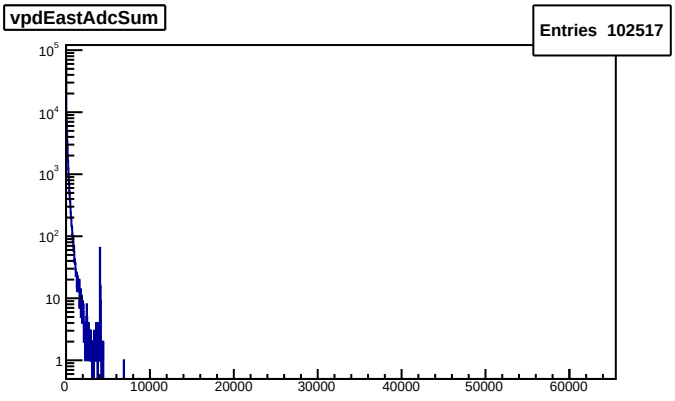
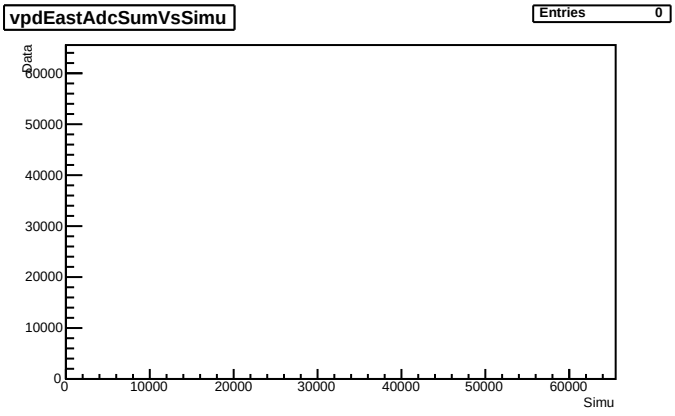
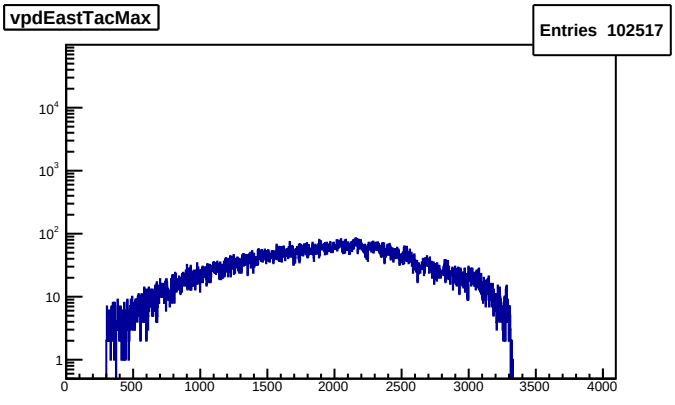
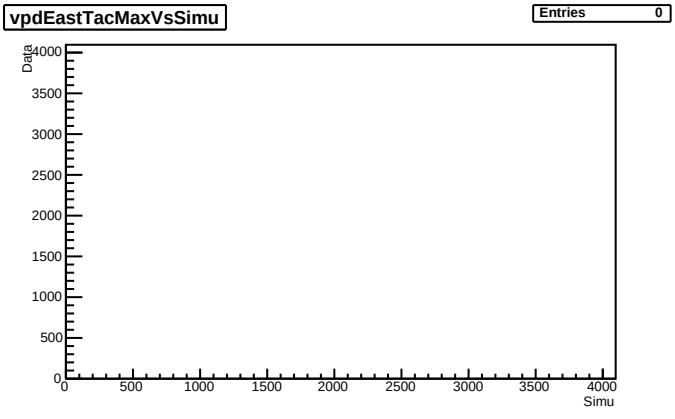
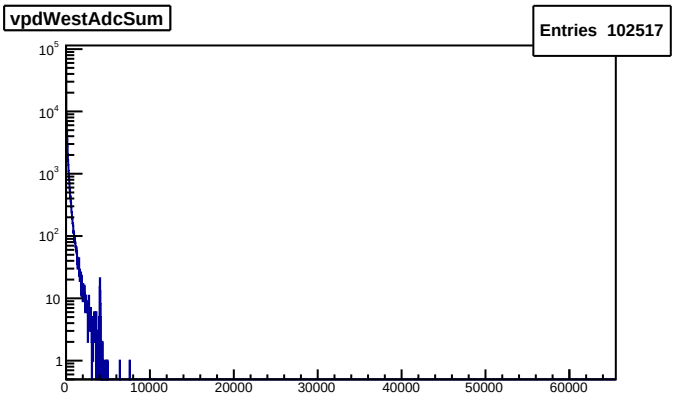
Entries 0
Data
Simu

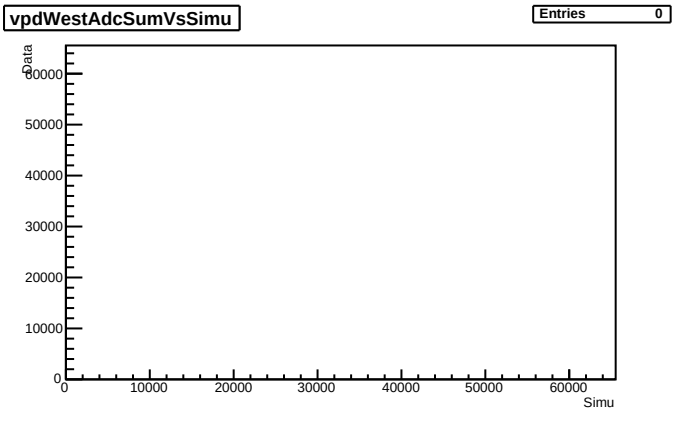

vpdEastAdcSum
Entries 102517

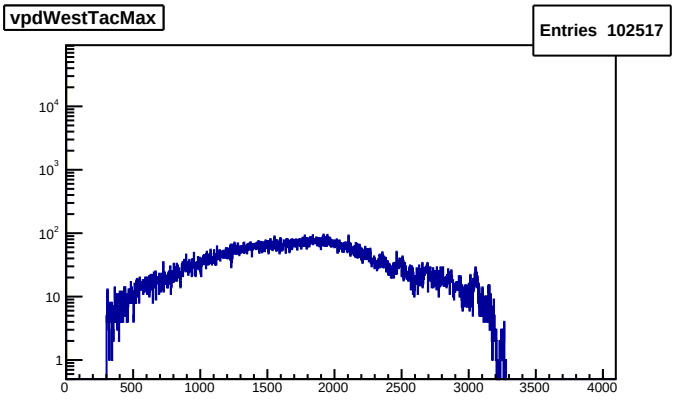

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

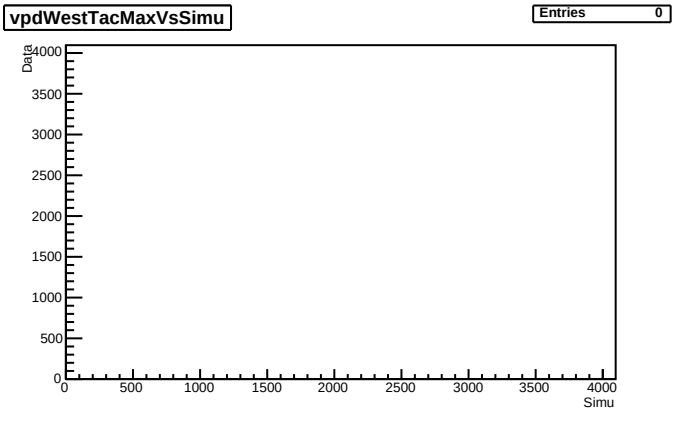

vpdEastTacMax
Entries 102517

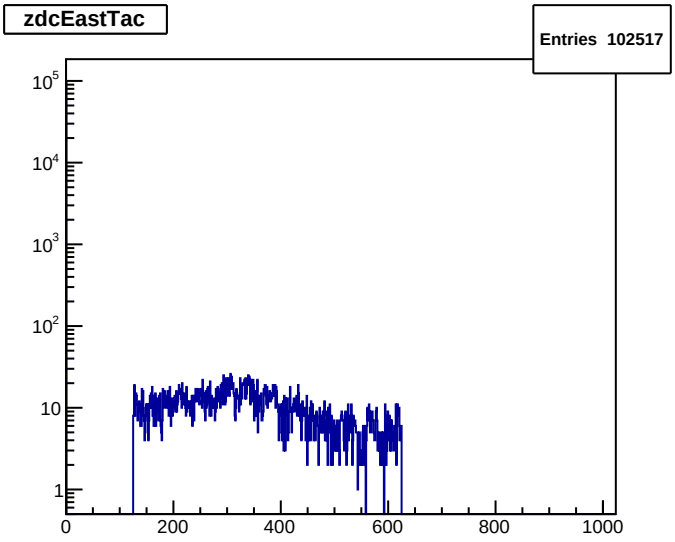

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

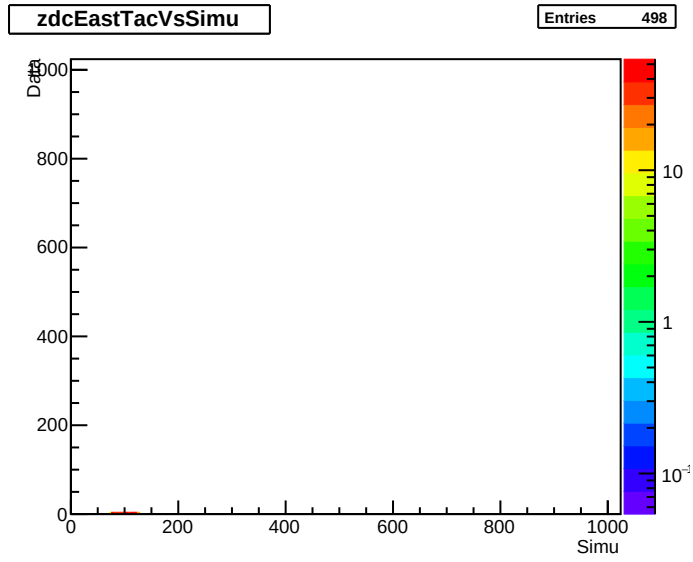

vpdWestAdcSum
Entries 102517

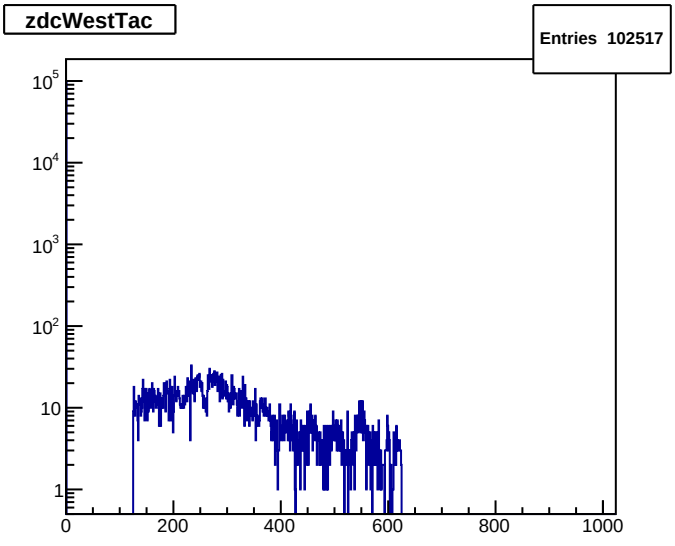

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

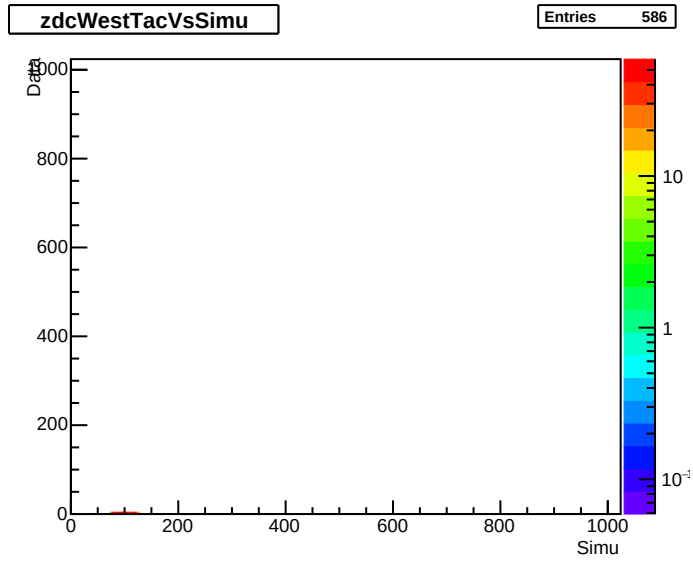

vpdWestTacMax
Entries 102517

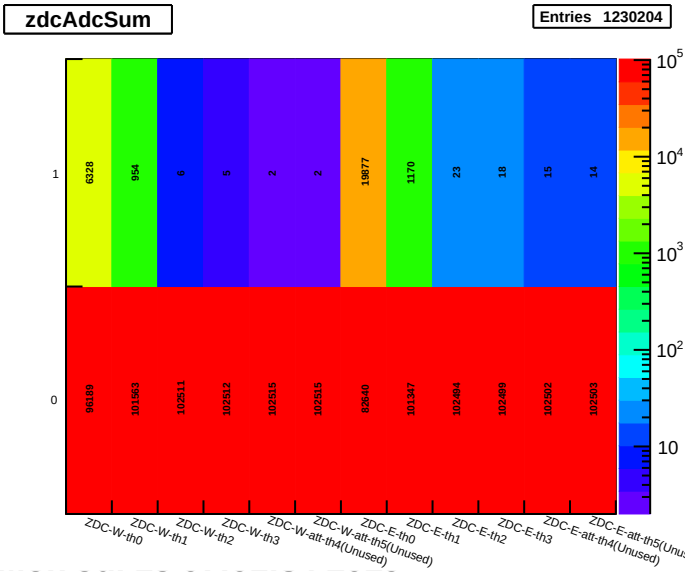

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

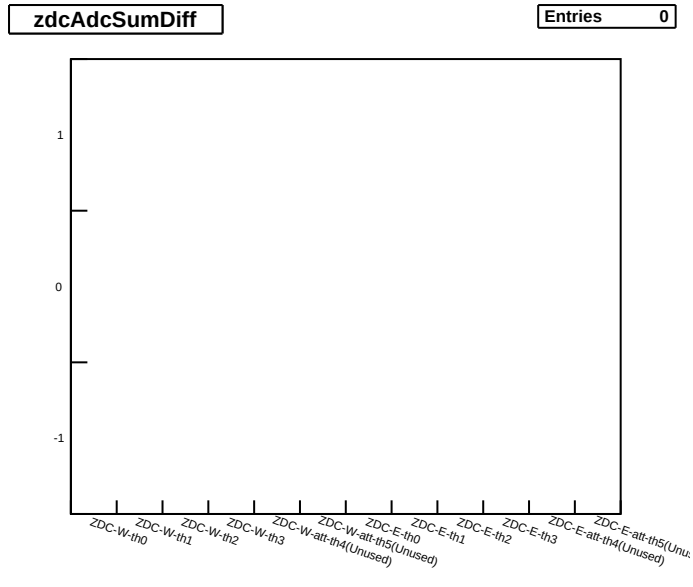

zdcEastTac
Entries 102517

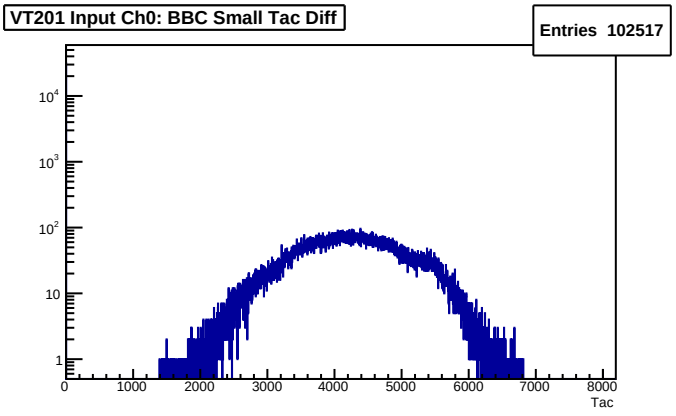

zdcEastTacVsSimu
Entries 498
Data
Simu

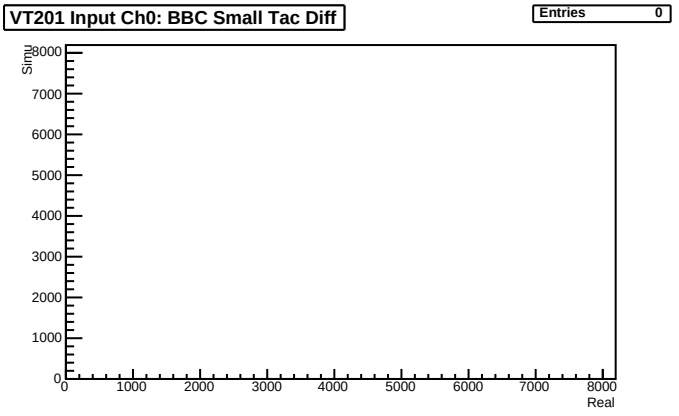

zdcWestTac
Entries 102517

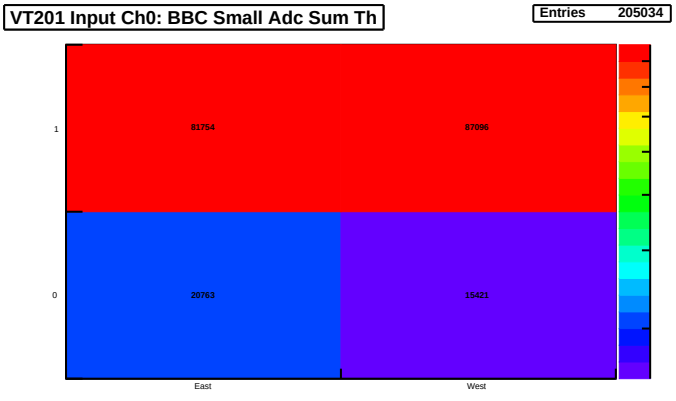

zdcWestTacVsSimu
Entries 586
Data
Simu

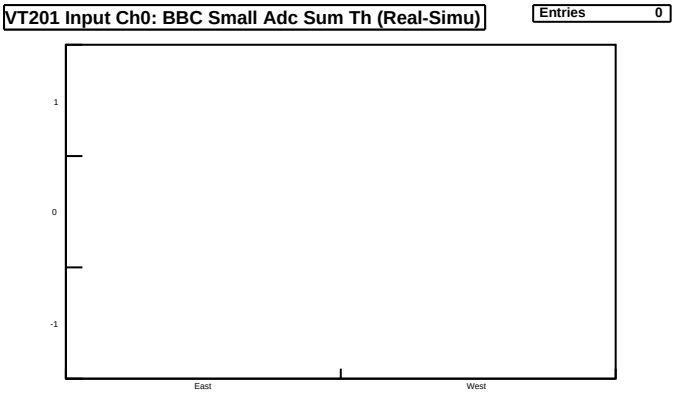

zdcAdcSum
Entries 1230204
6328
954
6
5
2
2
19877
1170
23
18
15
14
96189
101563
102511
102512
102515
102515
92640
101347
102494
102499
102502
102503
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

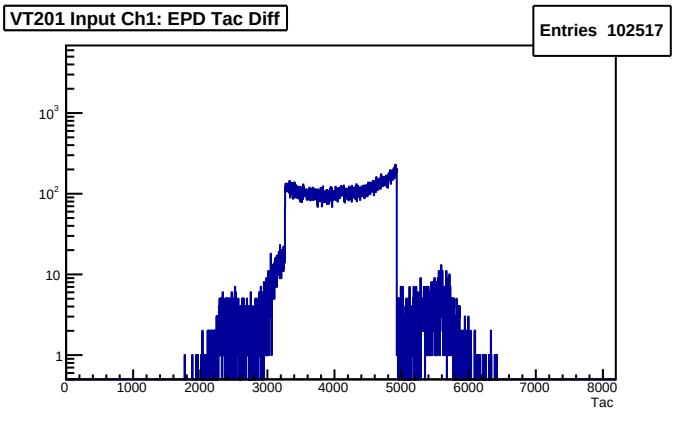

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

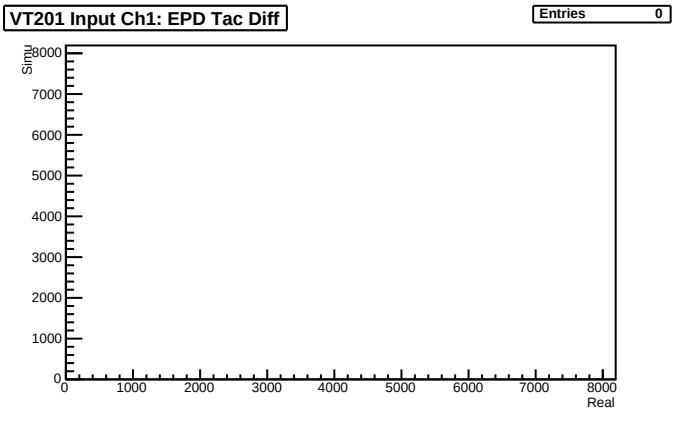

VT201 Input Ch0: BBC Small Tac Diff
Entries 102517
Tac

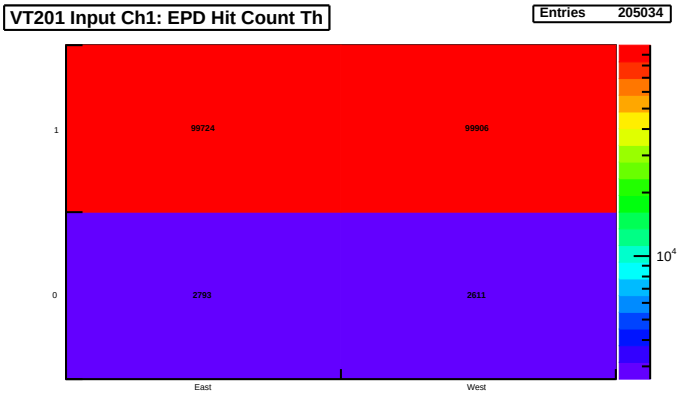

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

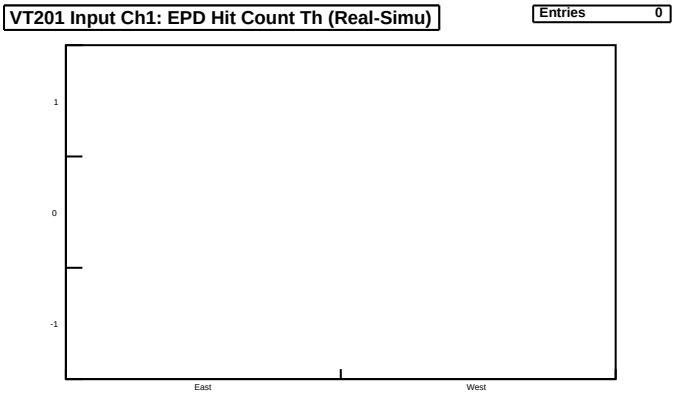

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 205034
81754
87096
20763
15421
East
West

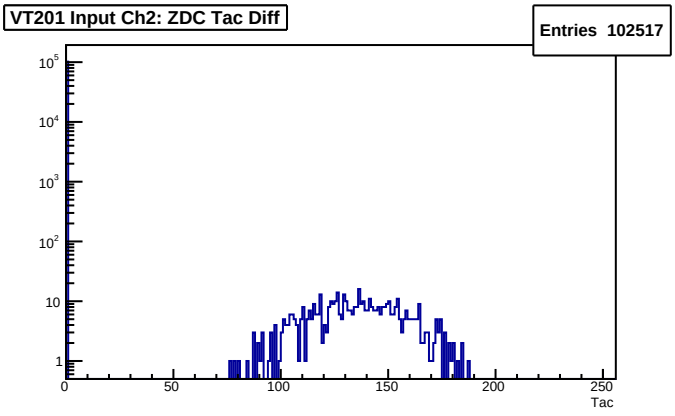

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

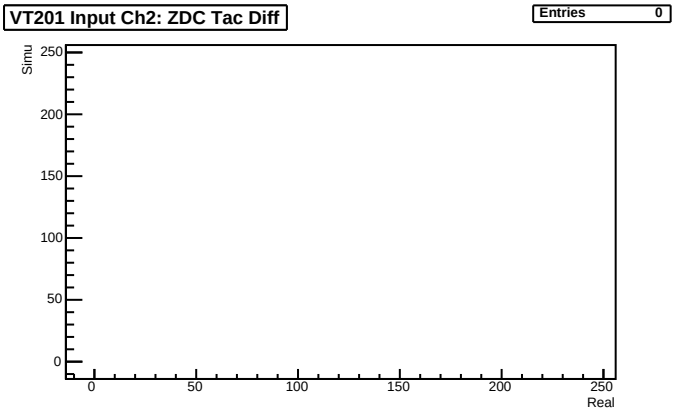

VT201 Input Ch1: EPD Tac Diff
Entries 102517
Tac

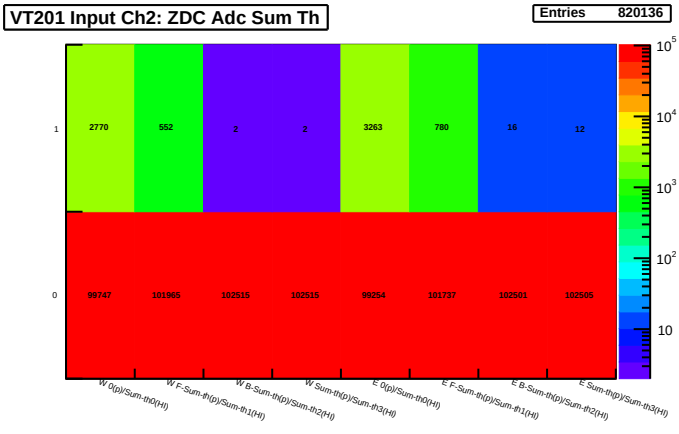

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

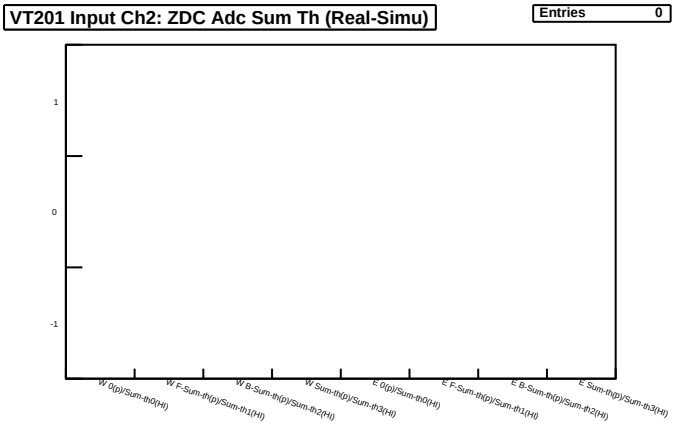

VT201 Input Ch1: EPD Hit Count Th
Entries 205034
99724
99906
2793
2611
East
West

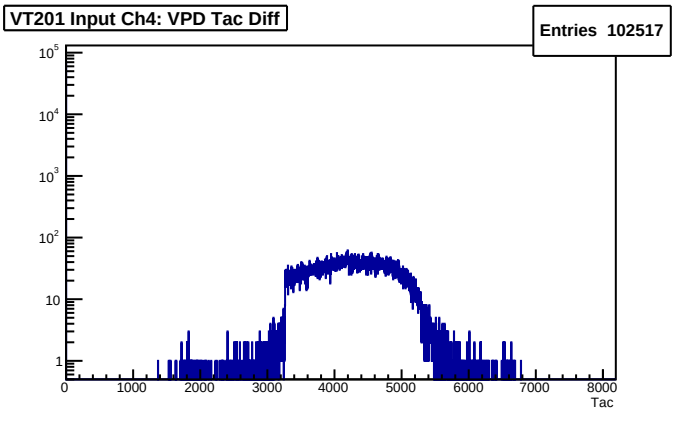

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

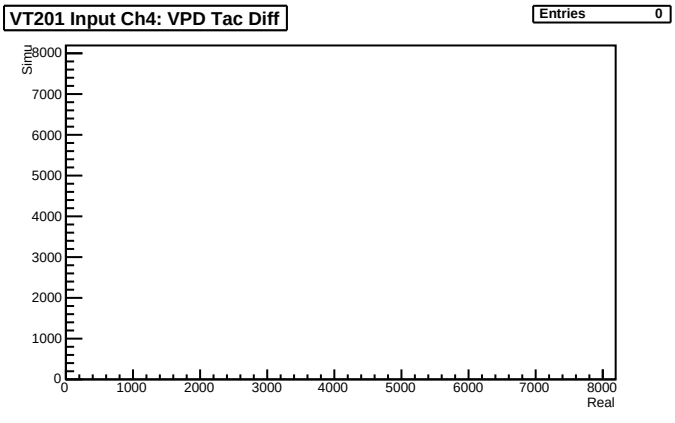

VT201 Input Ch2: ZDC Tac Diff
Entries 102517
Tac

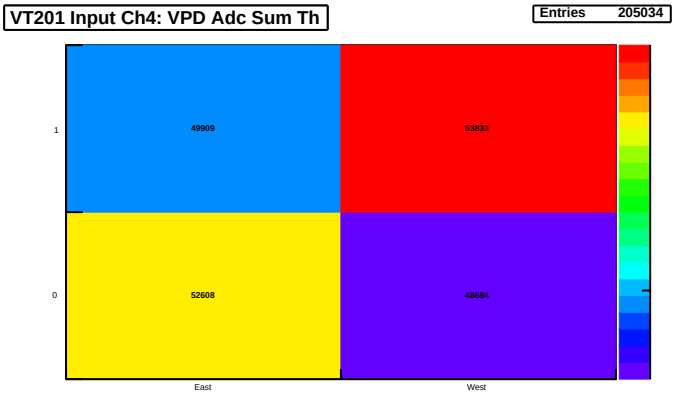

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

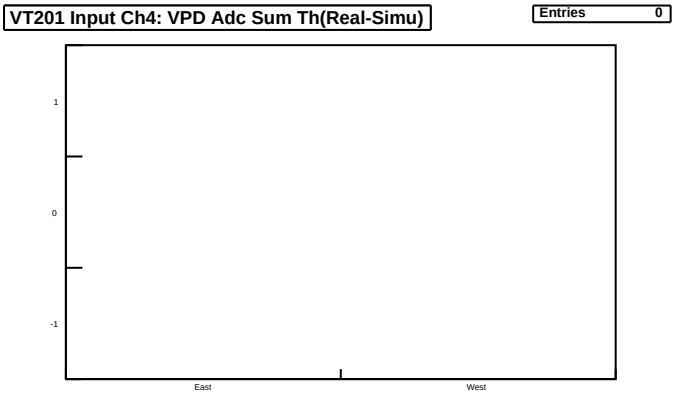

VT201 Input Ch2: ZDC Adc Sum Th
Entries 820136
2770
552
2
2
3263
780
16
12
99747
101965
102515
102515
99254
101737
102501
102505
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

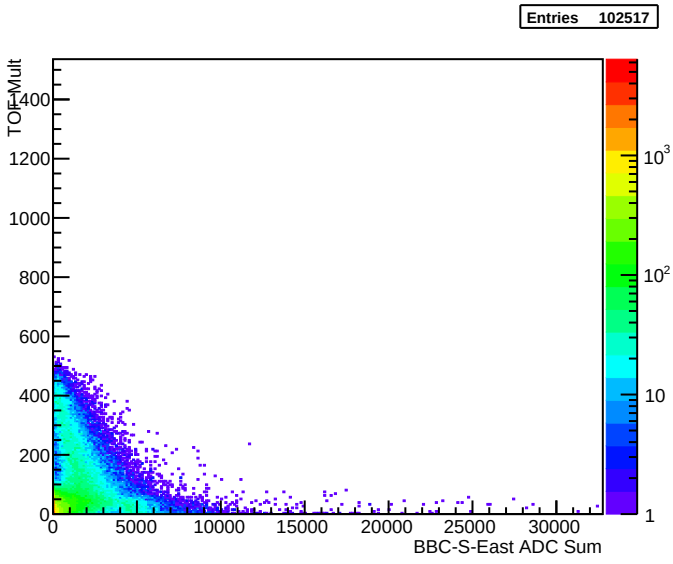

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

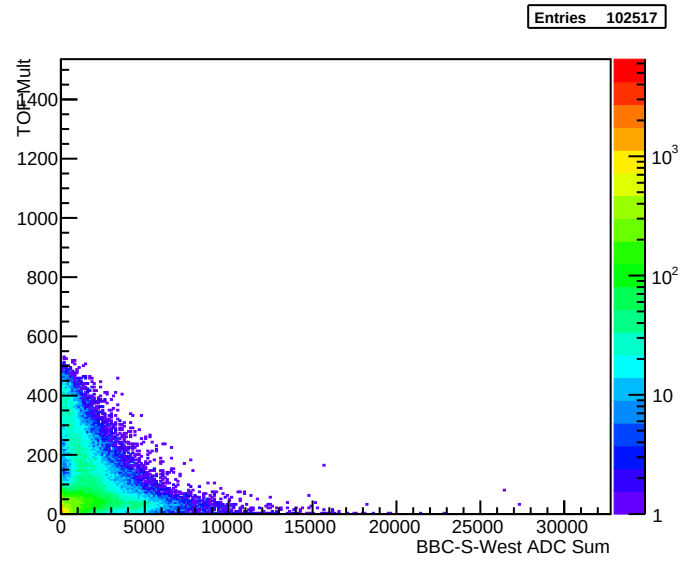

VT201 Input Ch4: VPD Tac Diff
Entries 102517
Tac

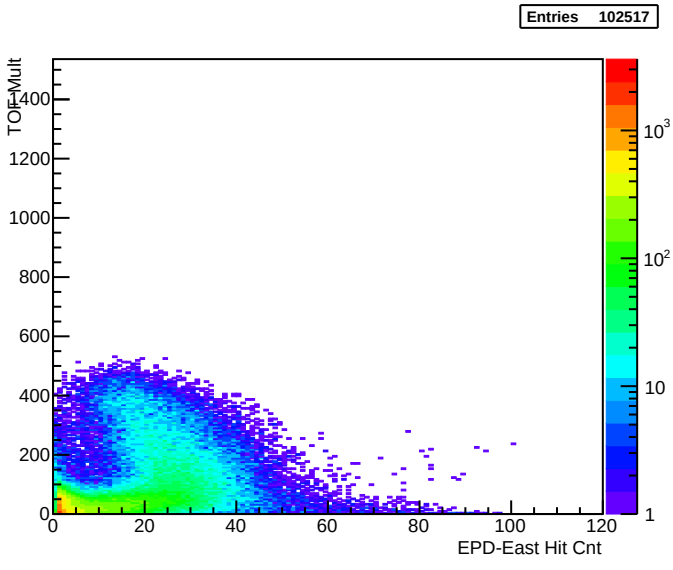

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

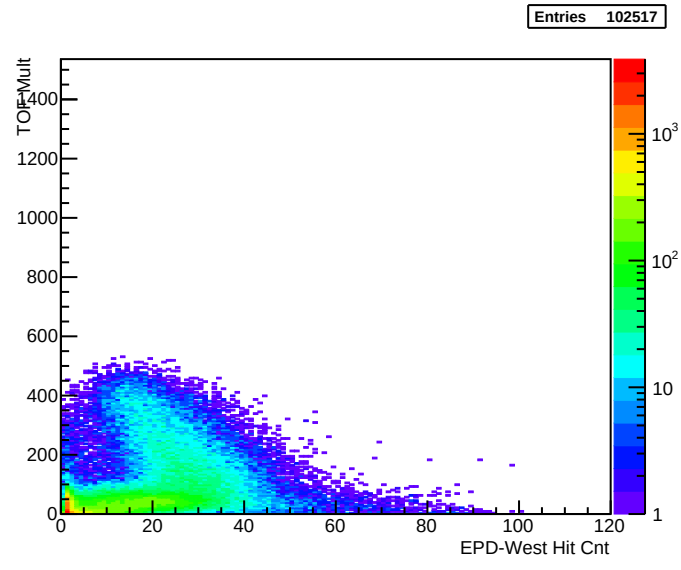

VT201 Input Ch4: VPD Adc Sum Th
Entries 205034
49909
53833
52608
48684
East
West

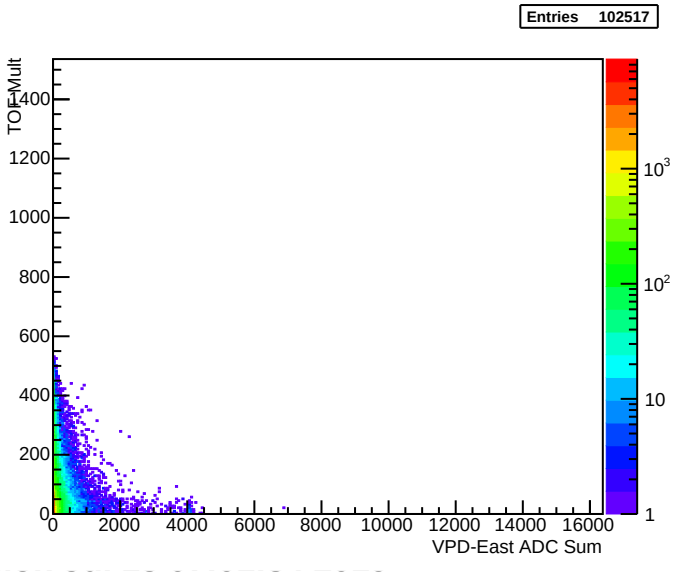

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

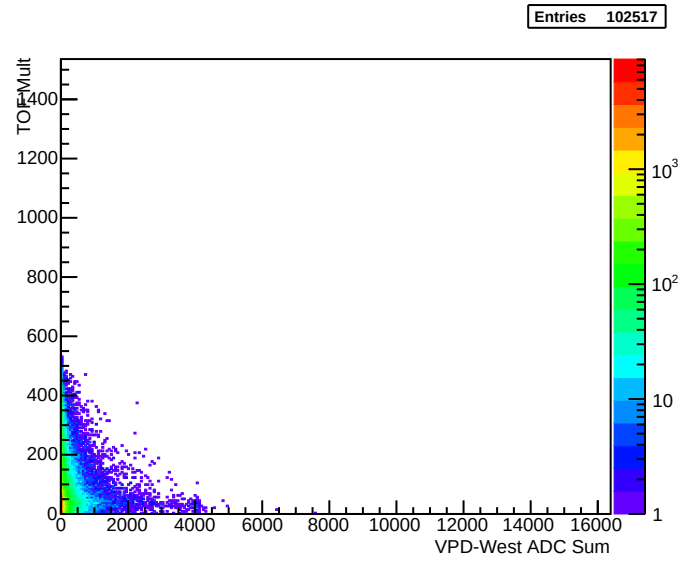

Entries 102517
TOF-Mult
BBC-S-East ADC Sum

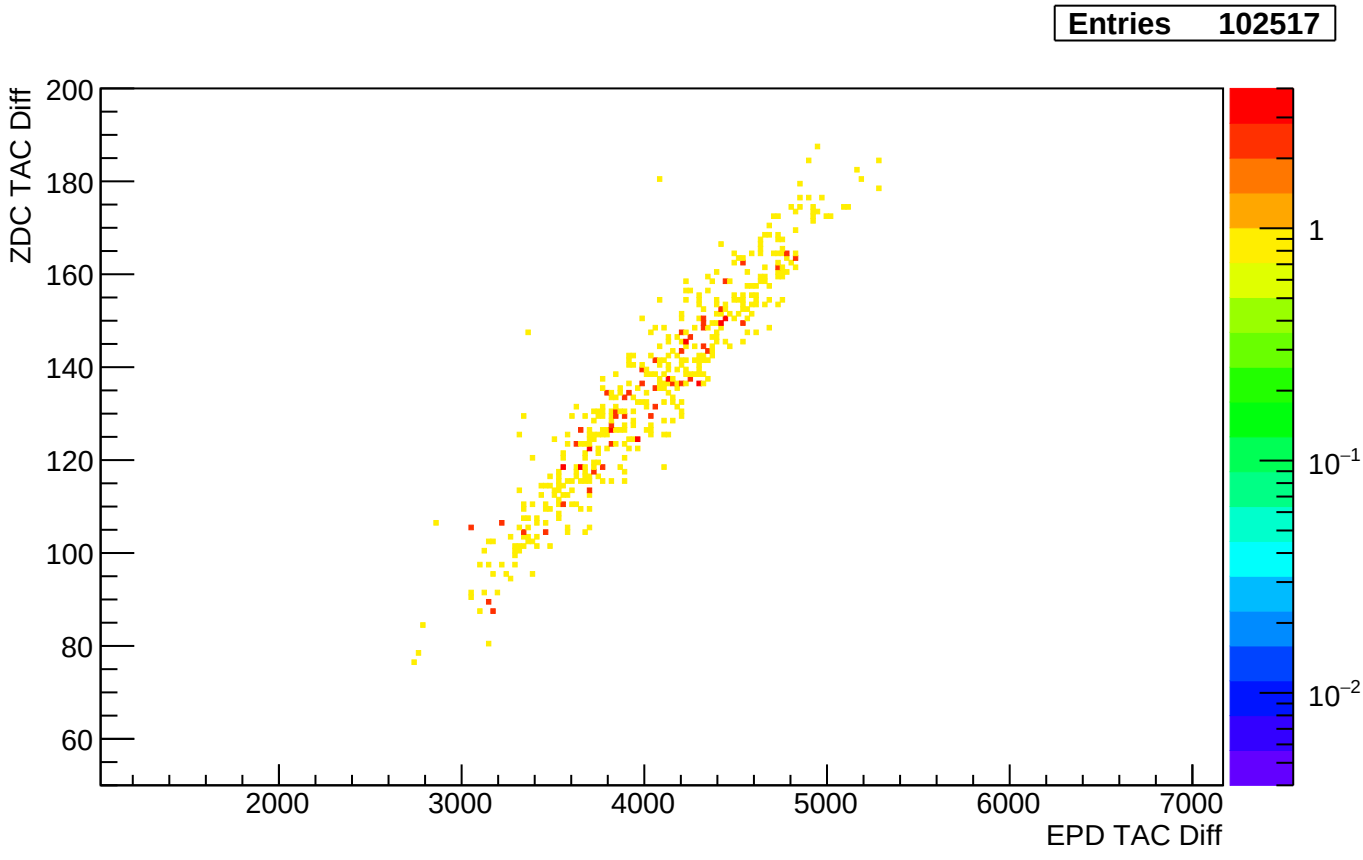

Entries 102517
TOF-Mult
BBC-S-West ADC Sum

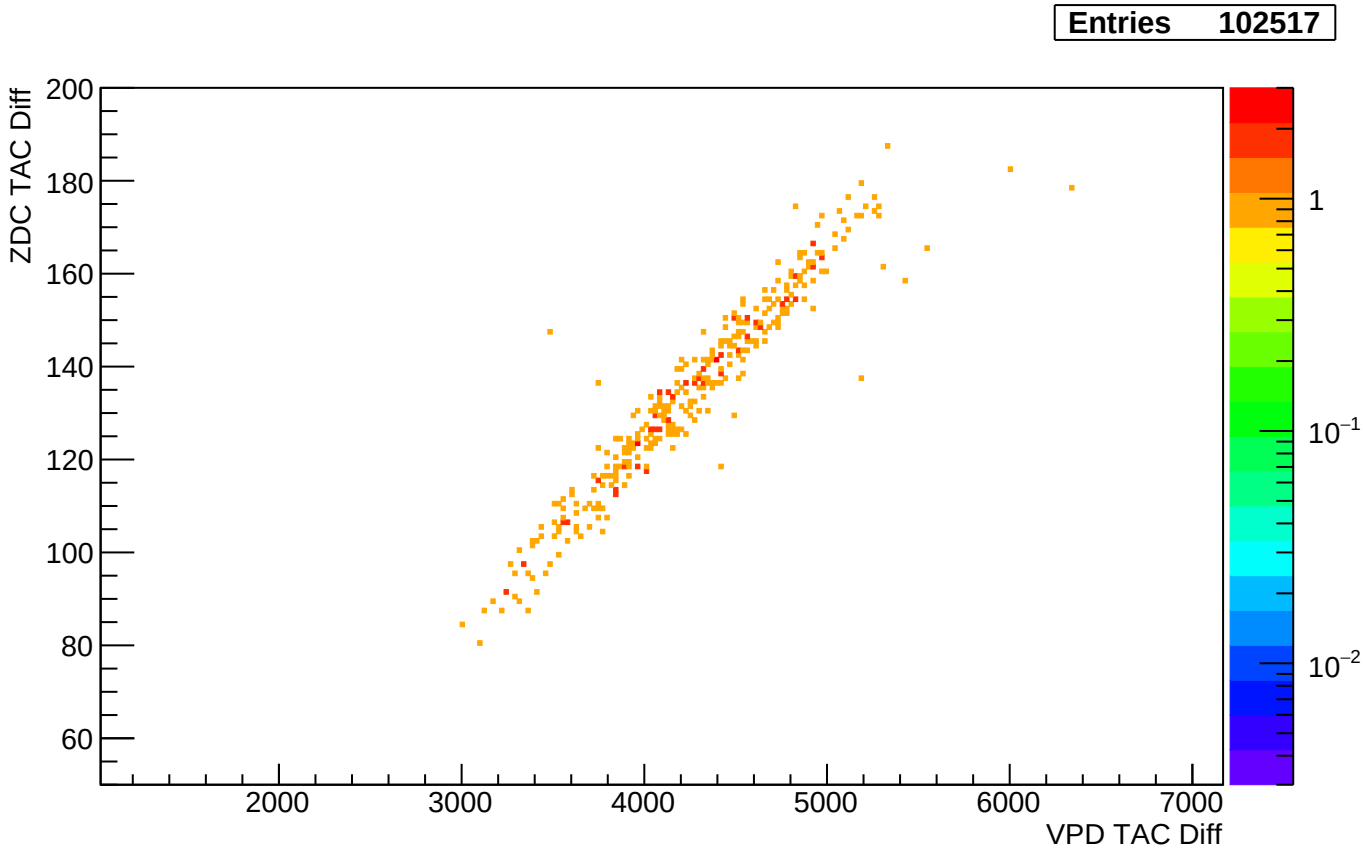

Entries 102517
TOF-Mult
EPD-East Hit Cnt

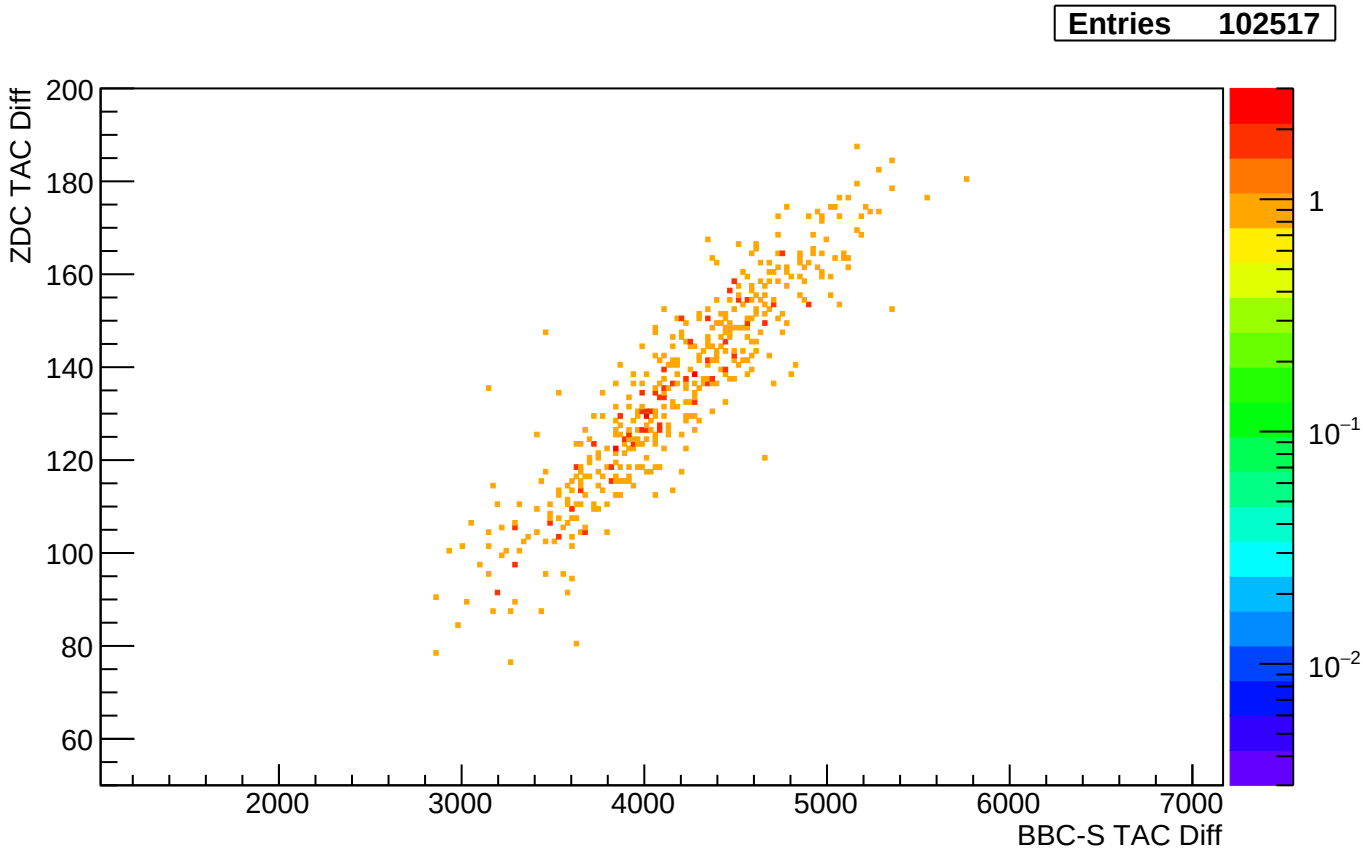

Entries 102517
TOF-Mult
EPD-West Hit Cnt

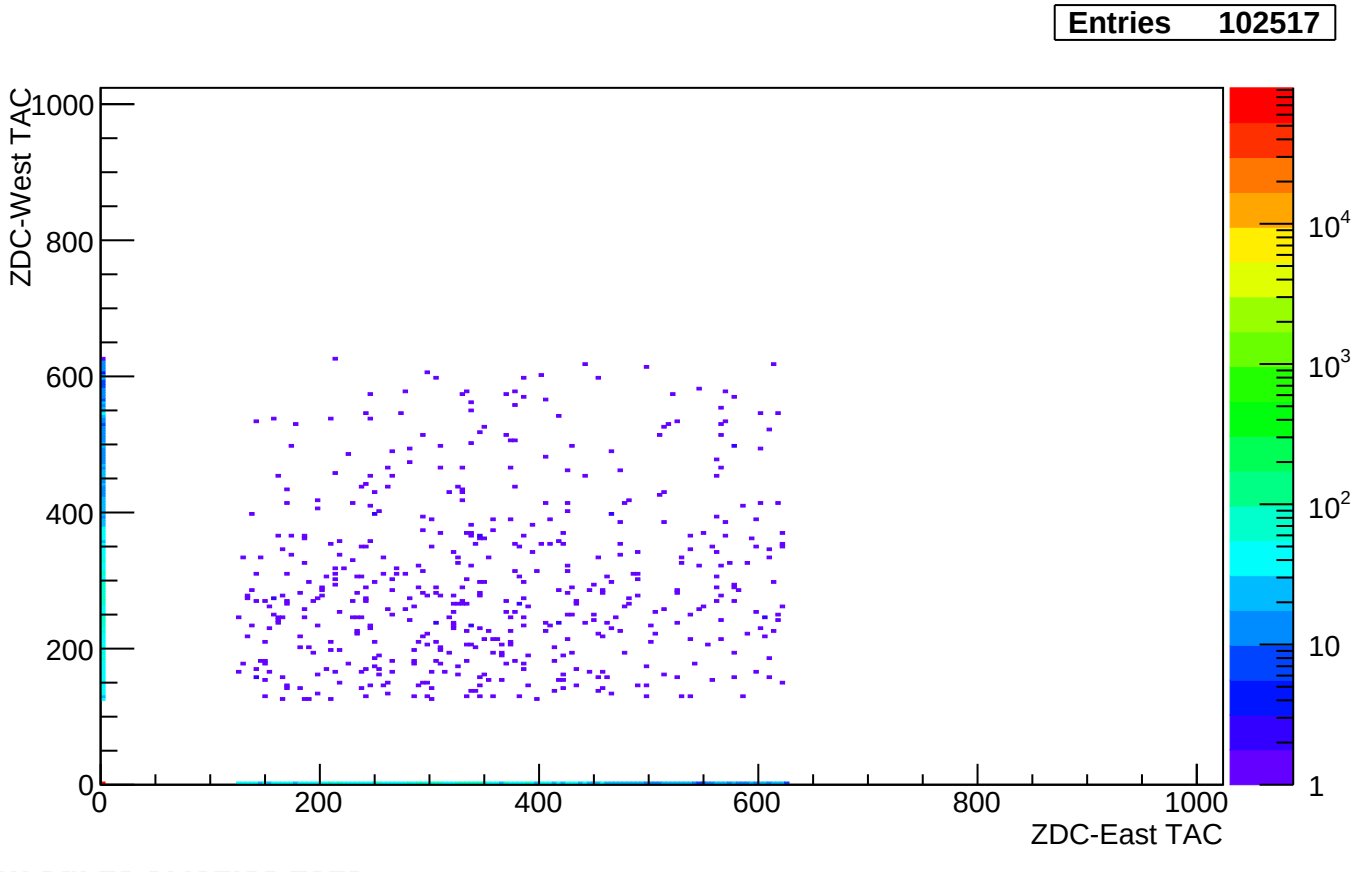

Entries 102517
TOF-Mult
VPD-East ADC Sum

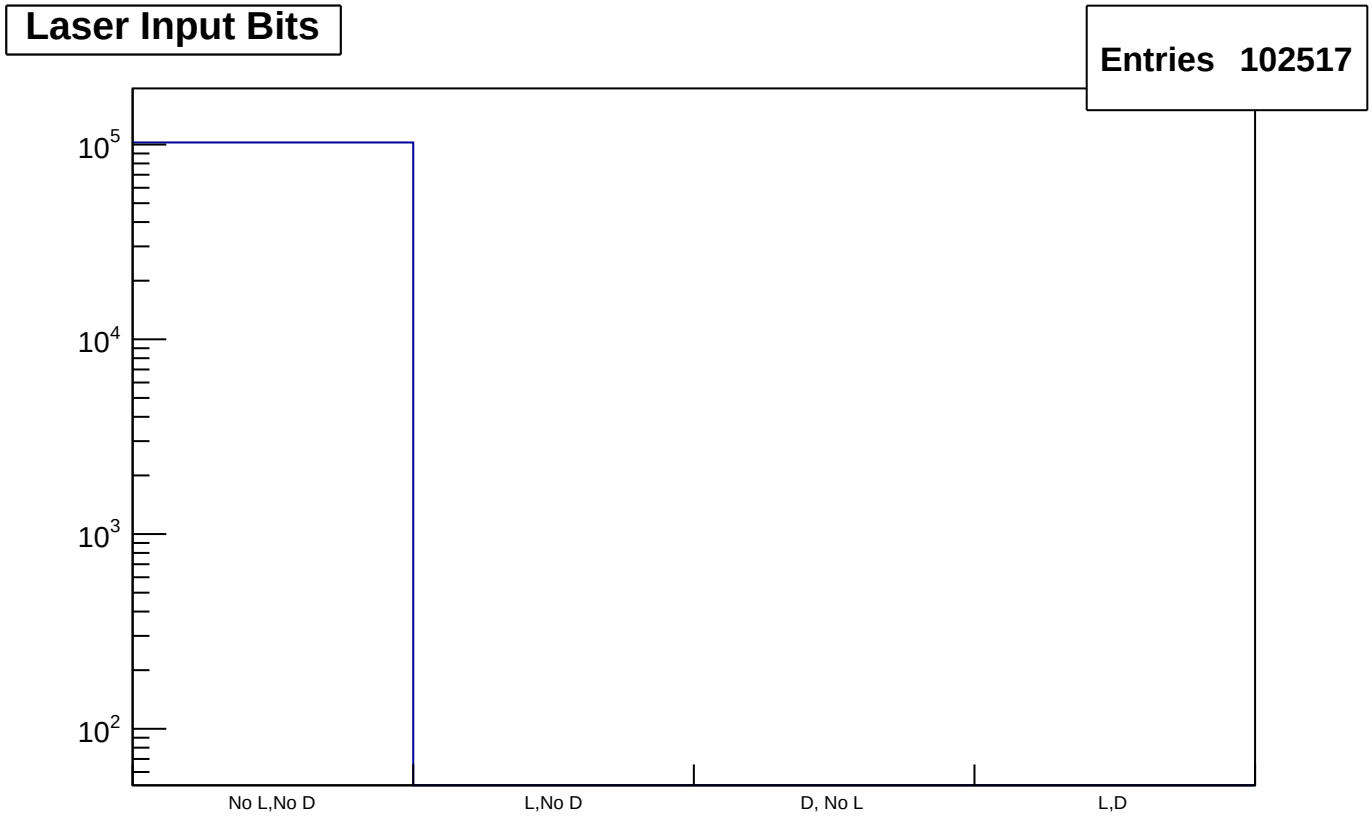

Entries 102517
TOF-Mult
VPD-West ADC Sum

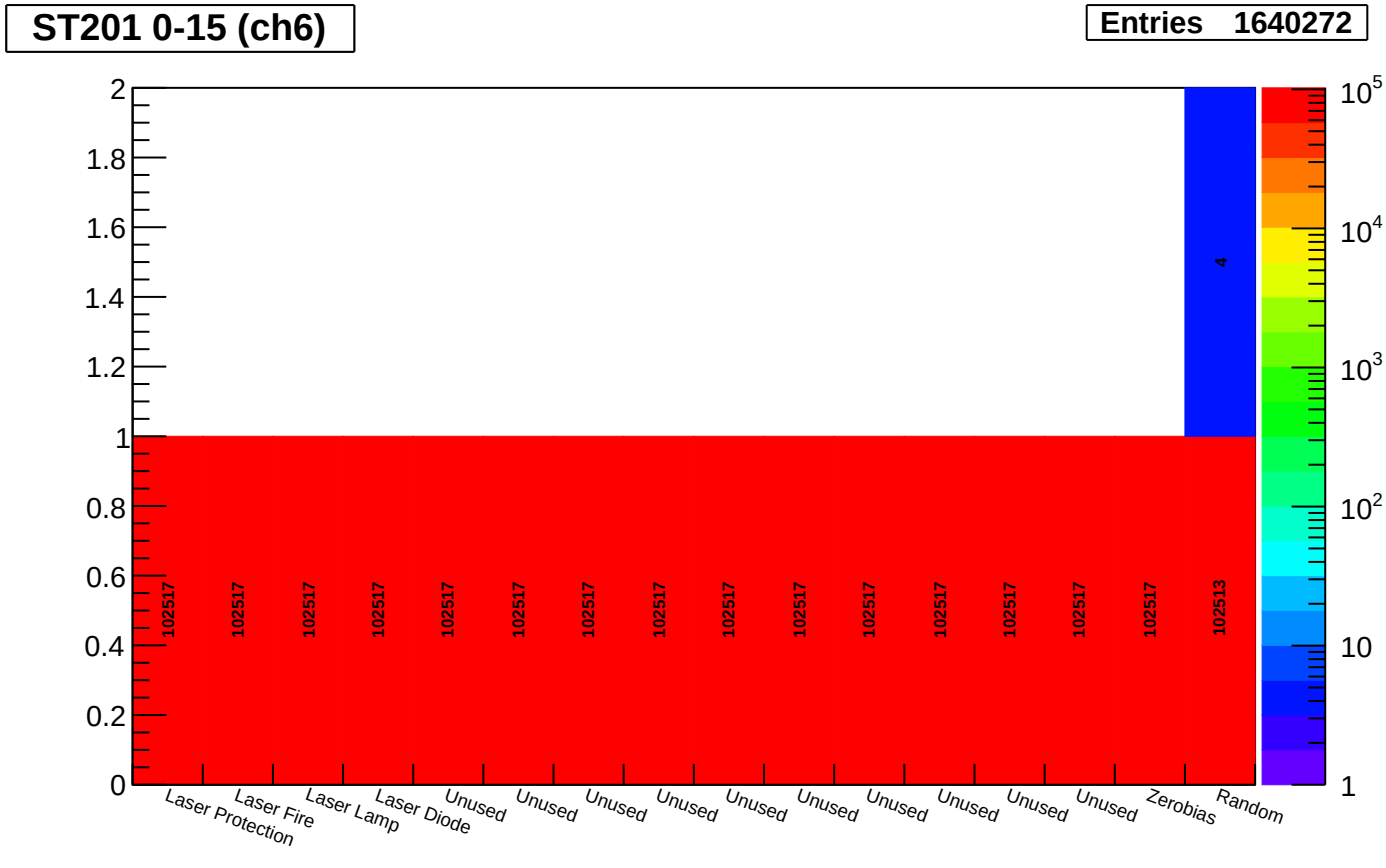

Entries 102517
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

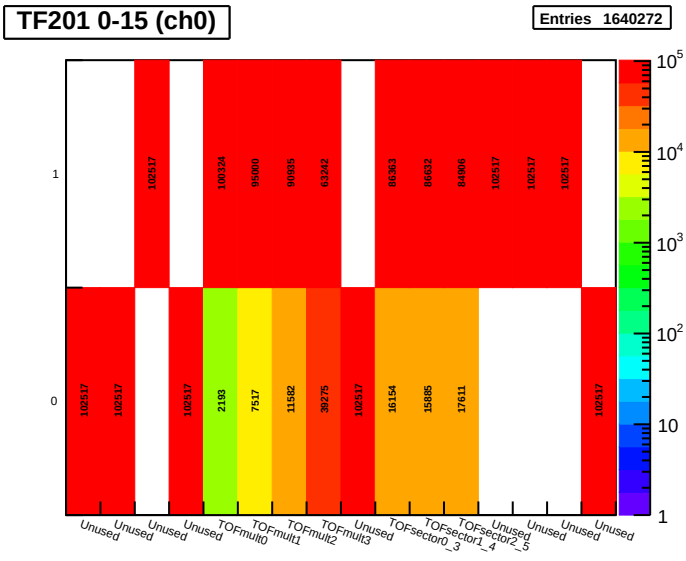

Entries 102517
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

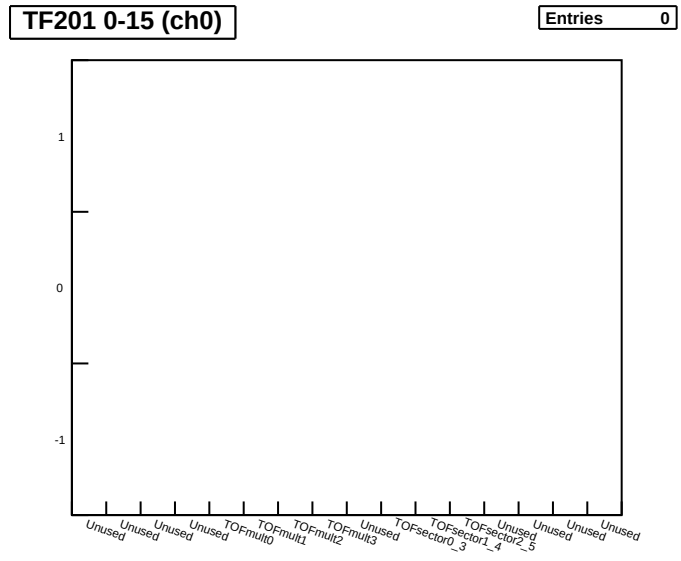

Entries 102517
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

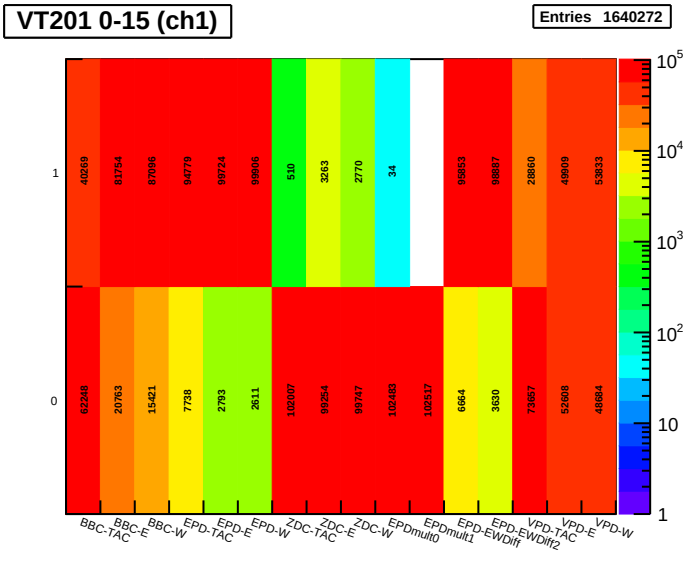

Entries 102517
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

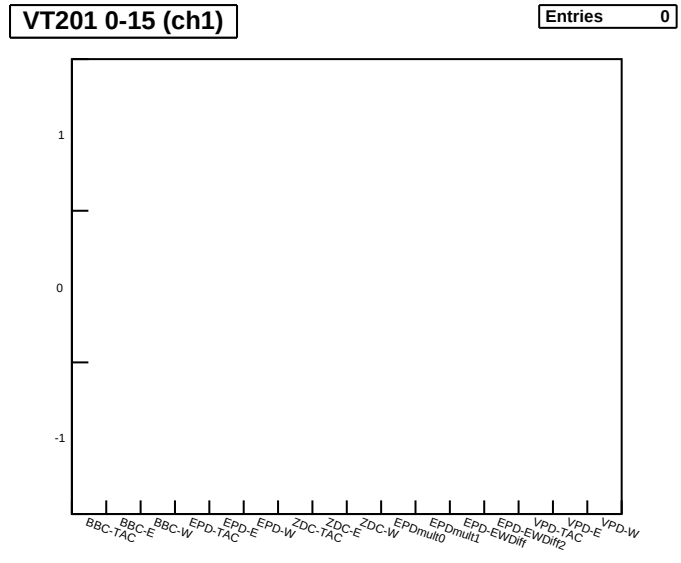

Laser Input Bits
Entries 102517
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

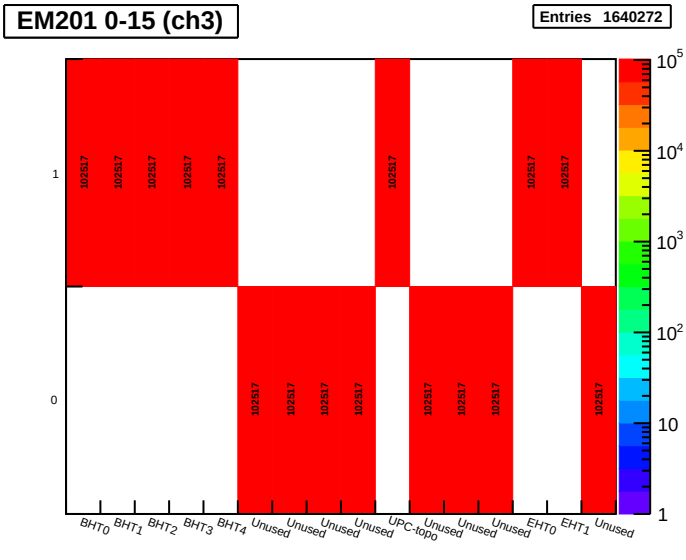

ST201 0-15 (ch6)
Entries 1640272
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
102517
102517
102517
102517
102517
102517
102517
102517
102517
102517
102517
102517
102517
102517
102513
4
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

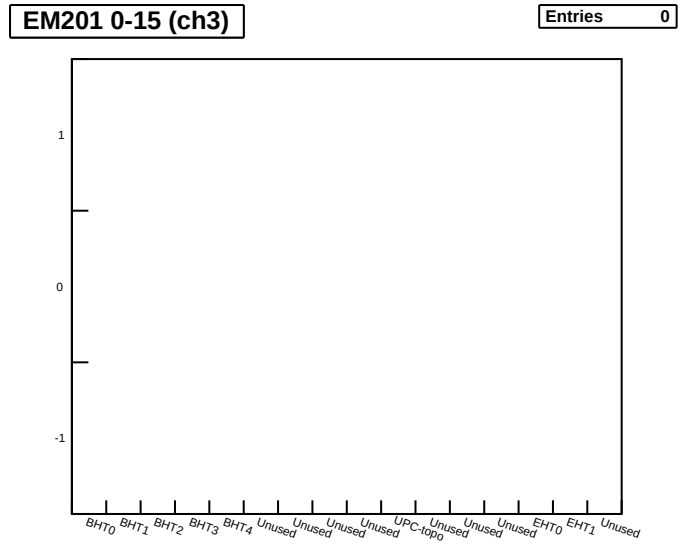

TF201 0-15 (ch0)
Entries 1640272
1
0
102517
100324
95000
90935
63242
86953
86632
84906
102517
102517
102517
102517
102517
102517
2193
7517
11582
39275
102517
16154
15885
17611
102517
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
1
10
10^2
10^3
10^4
10^5


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


VT201 0-15 (ch1)
Entries 1640272
1
0
40269
81754
87096
94779
99724
99906
510
3263
2770
34
95853
98887
28860
49909
53833
62248
20763
15421
7738
2793
2611
102007
99254
99747
102483
102517
6664
3630
73657
52608
48684
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
1
10
10^2
10^3
10^4
10^5


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 1640272
1
0
102517
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
1
10
10^2
10^3
10^4
10^5


EM201 0-15 (ch3)
Entries 0
1
0
-1
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1