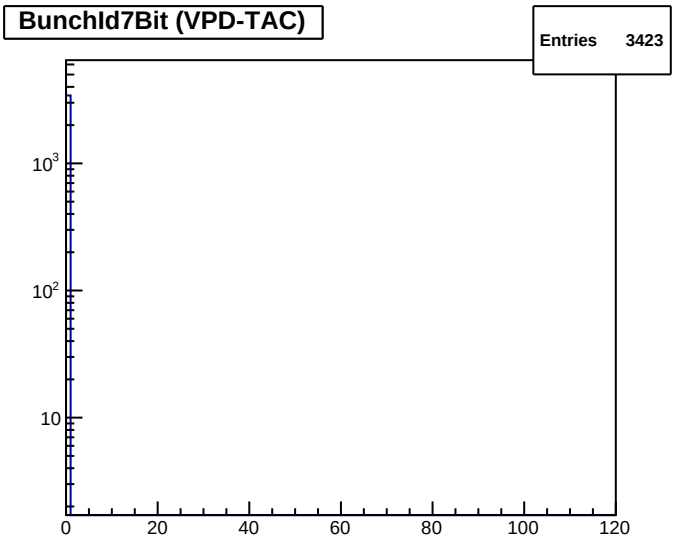
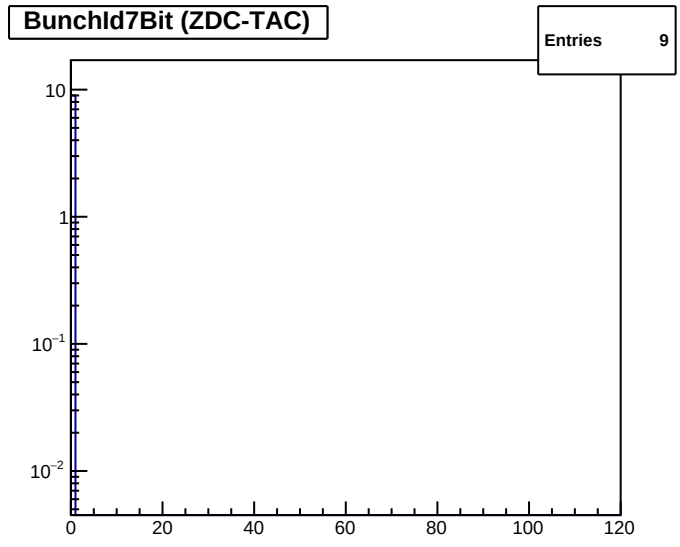
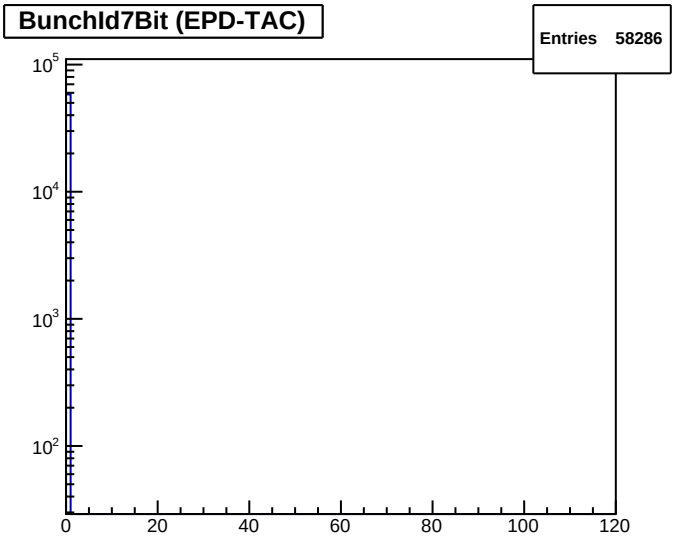
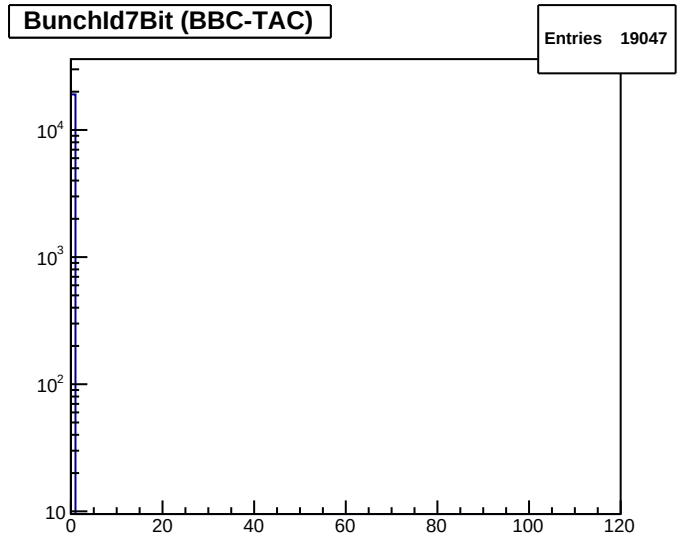
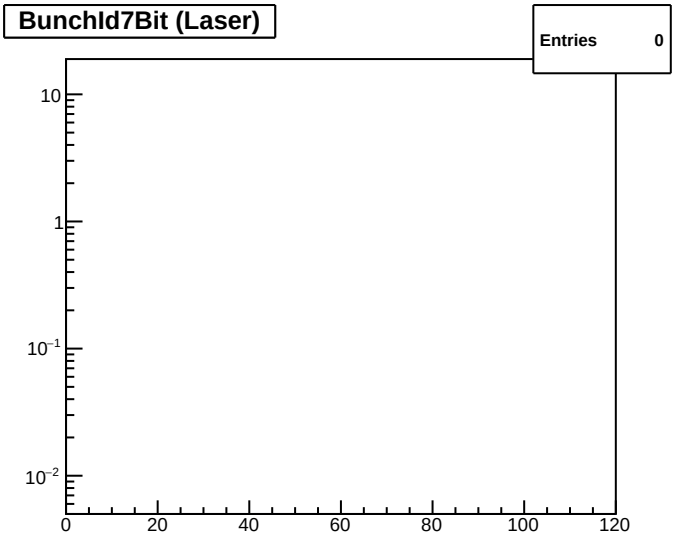
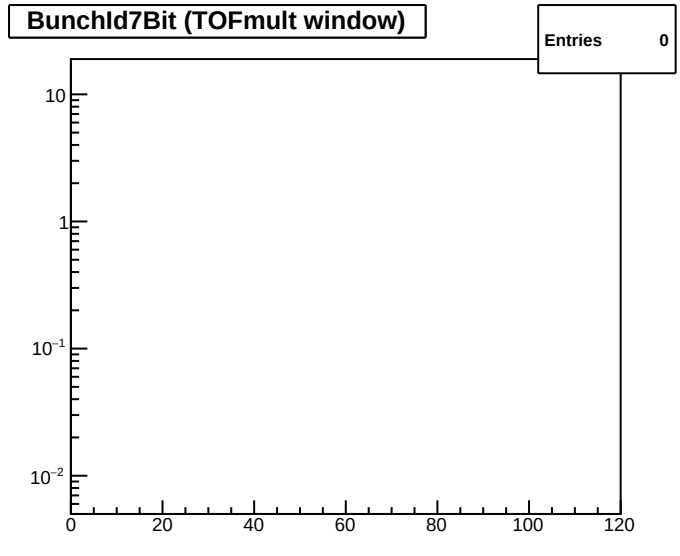

BunchId7Bit (VPD-TAC)
Entries 3423
10^3
10^2
10
0 20 40 60 80 100 120

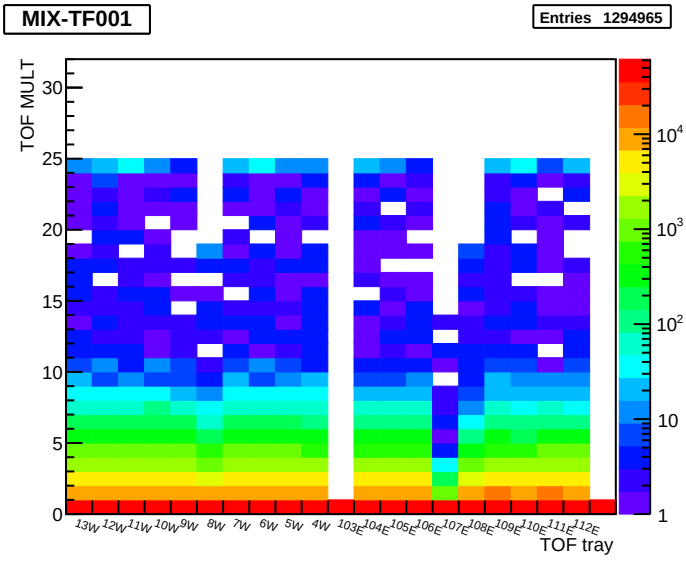

BunchId7Bit (ZDC-TAC)
Entries 9
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

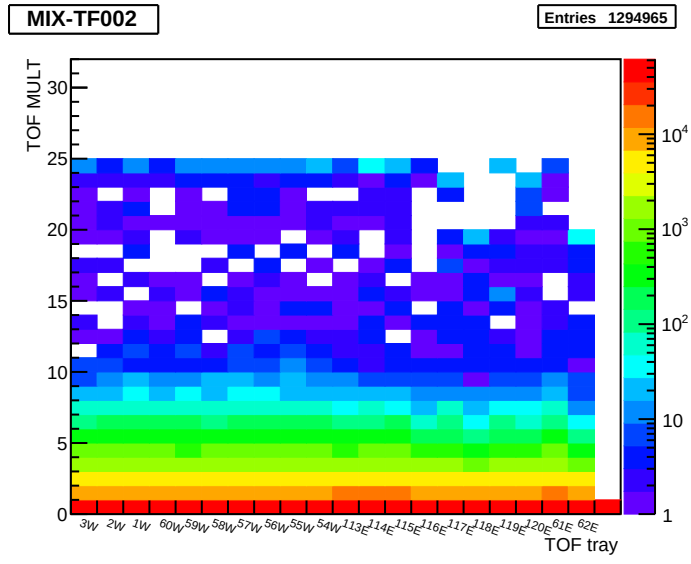

BunchId7Bit (EPD-TAC)
Entries 58286
10^5
10^4
10^3
10^2
0 20 40 60 80 100 120

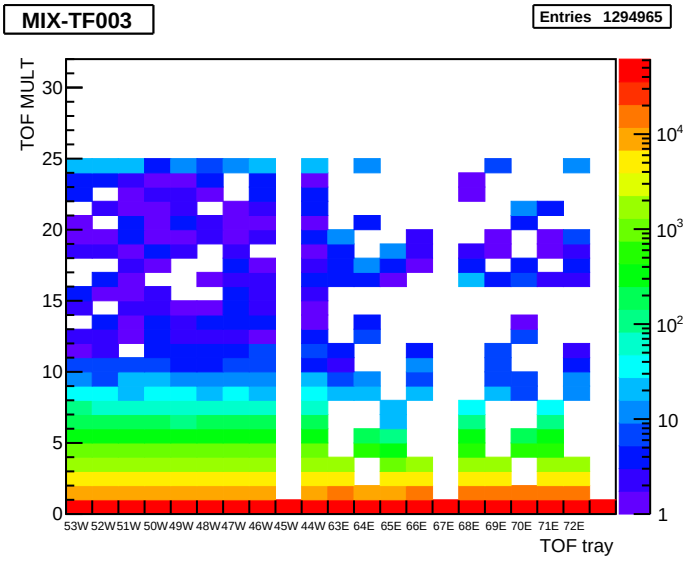

BunchId7Bit (BBC-TAC)
Entries 19047
10^4
10^3
10^2
10
0 20 40 60 80 100 120

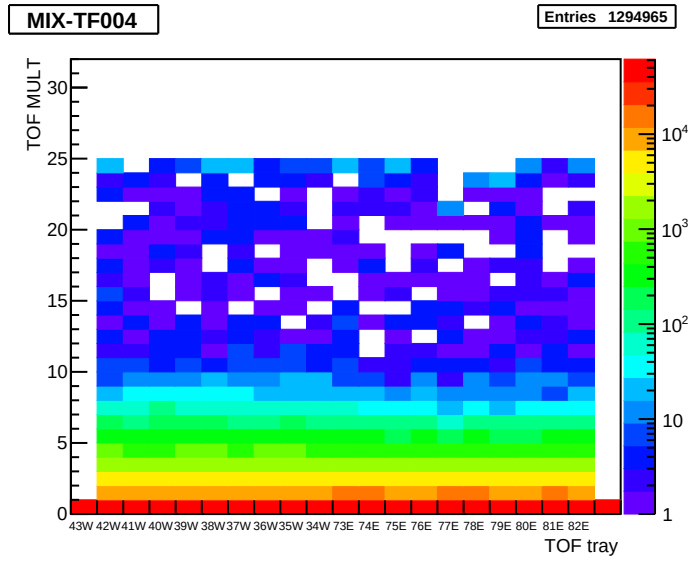

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

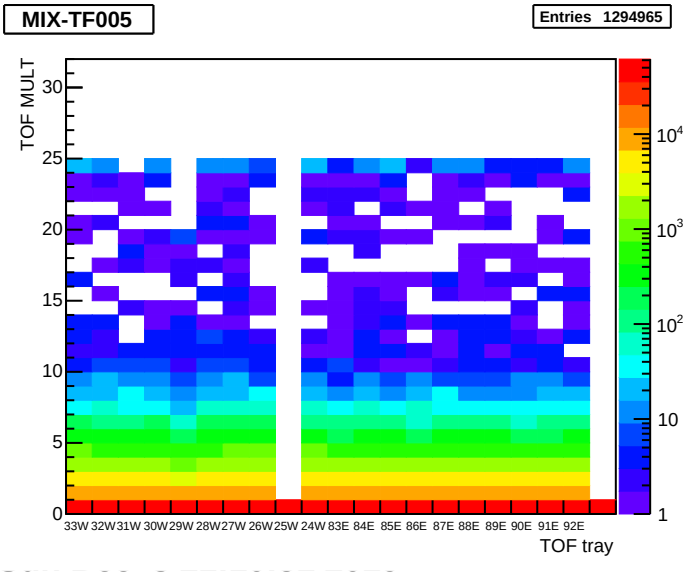

BunchId7Bit (TOFmult window)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

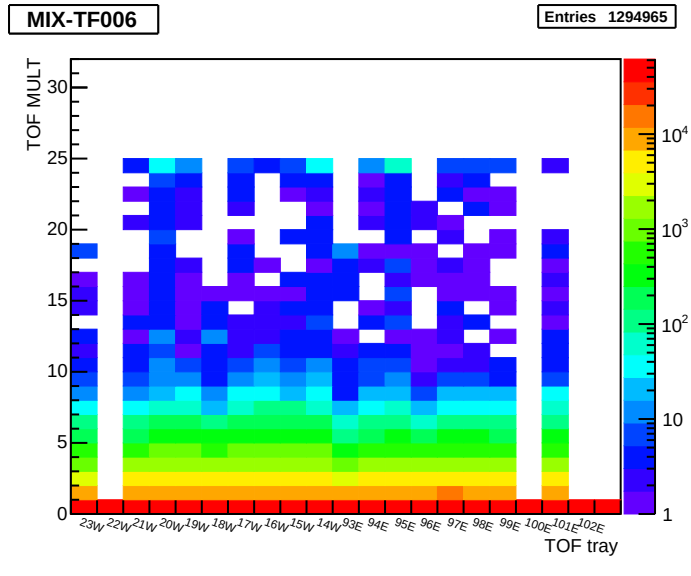

MIX-TF001
Entries 1294965
TOF MULT
TOF tray

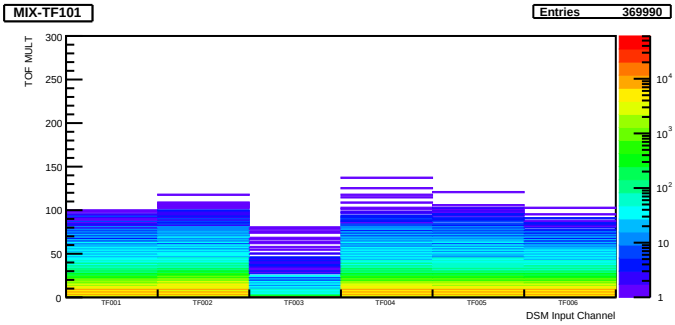

MIX-TF002
Entries 1294965
TOF MULT
TOF tray

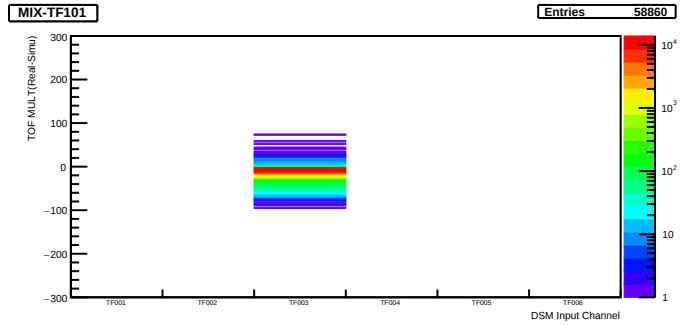

MIX-TF003
Entries 1294965
TOF MULT
TOF tray

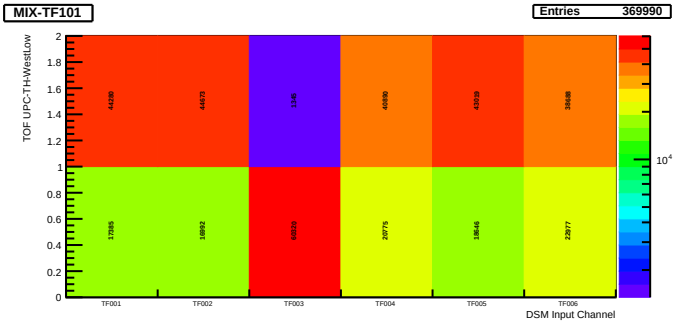

MIX-TF004
Entries 1294965
TOF MULT
TOF tray

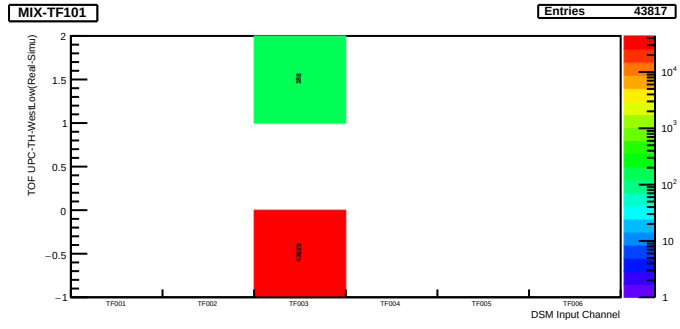

MIX-TF005
Entries 1294965
TOF MULT
TOF tray

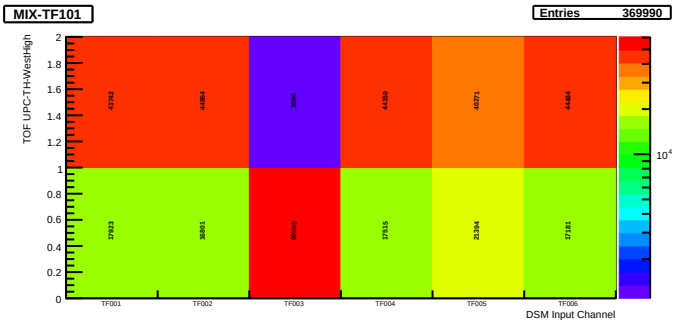

MIX-TF006
Entries 1294965
TOF MULT
TOF tray

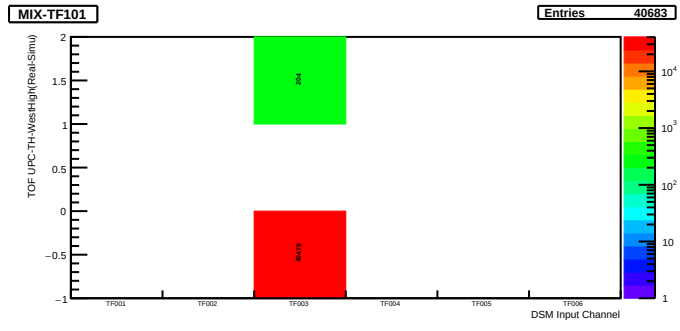

MIX-TF101
Entries 369990
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

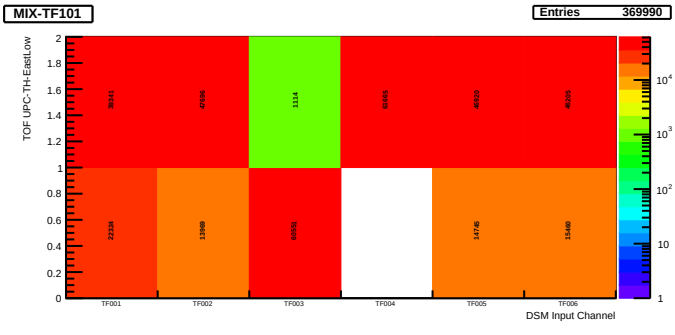

MIX-TF101
Entries 58860
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

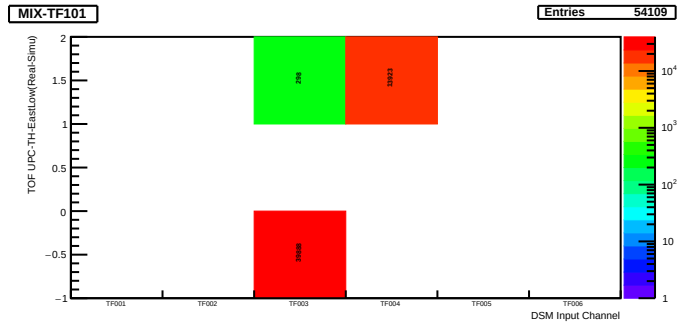

MIX-TF101
Entries 369990
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

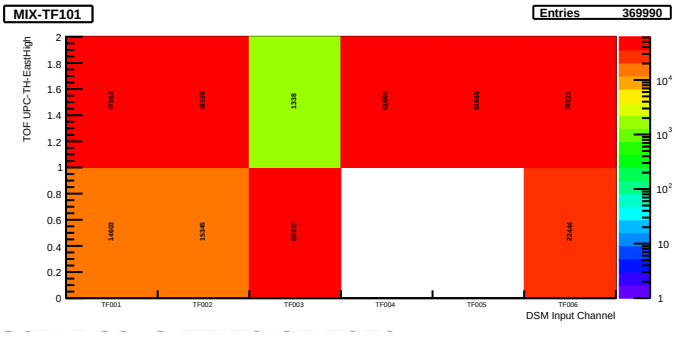

MIX-TF101
Entries 43817
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

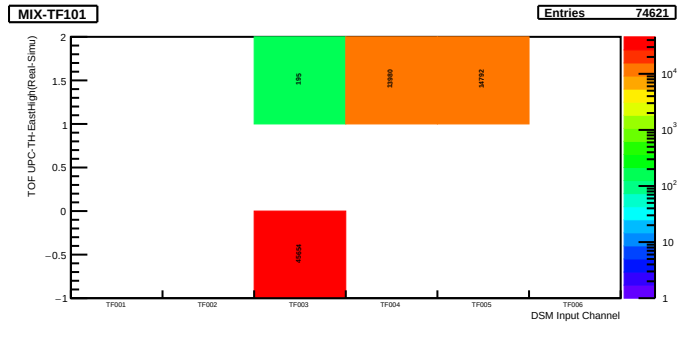

MIX-TF101
Entries 369990
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

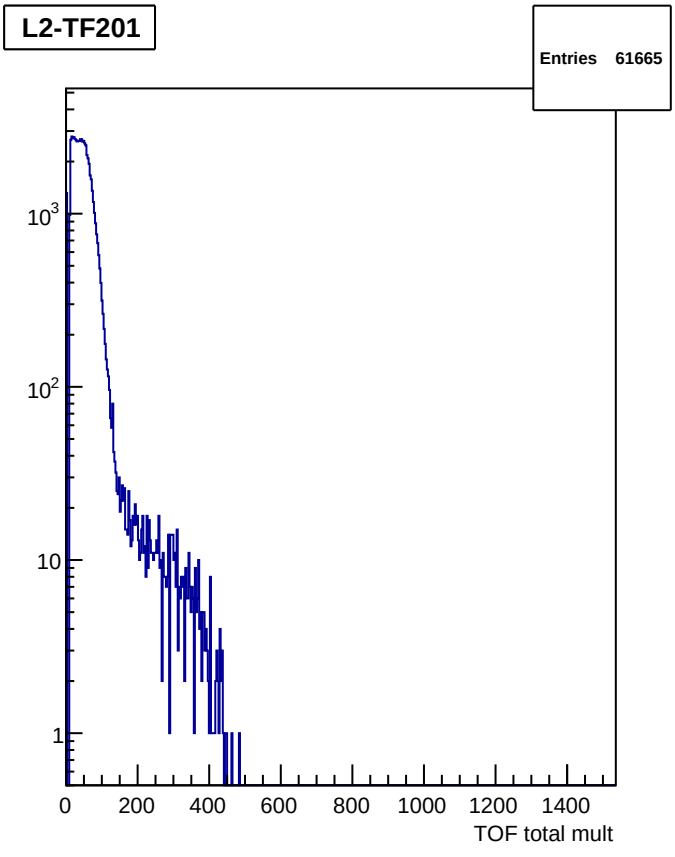

MIX-TF101
Entries 40683
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

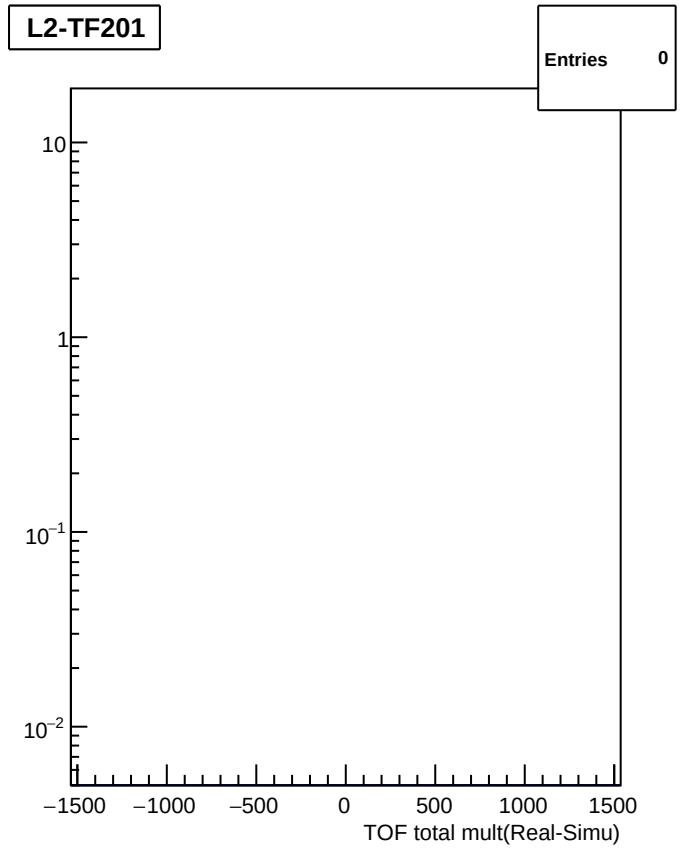

MIX-TF101
Entries 369990
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

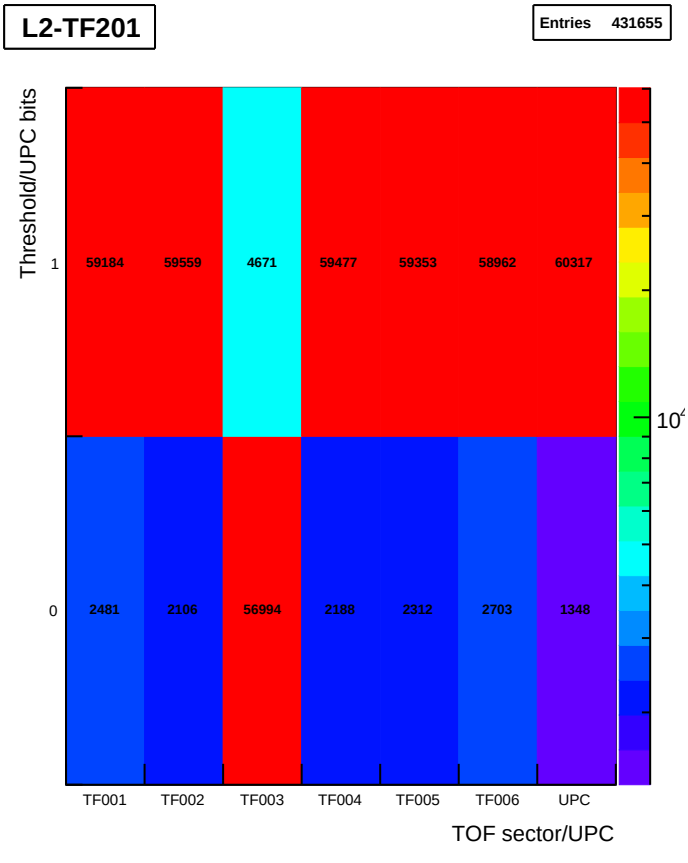

MIX-TF101
Entries 54109
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

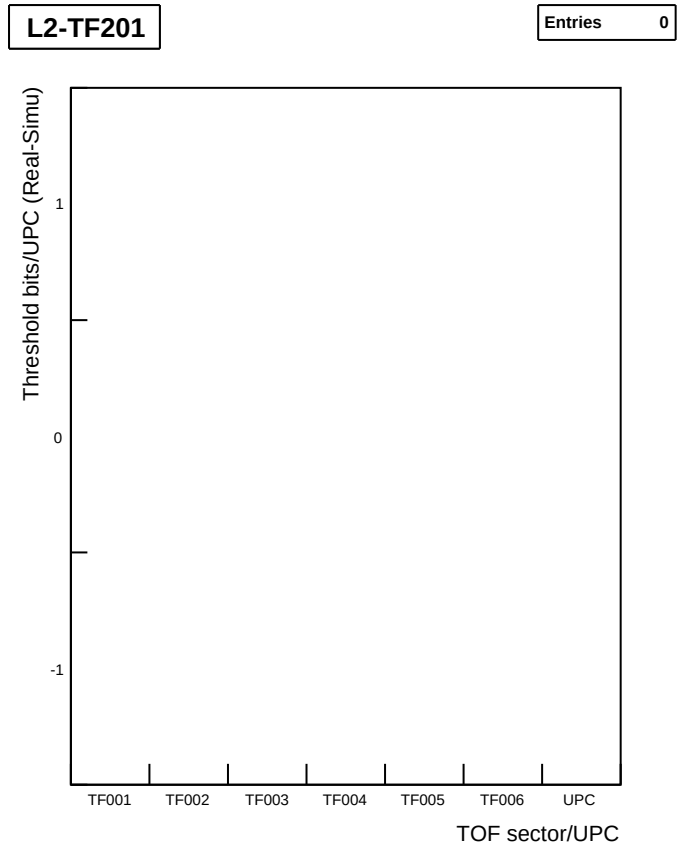

MIX-TF101
Entries 369990
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

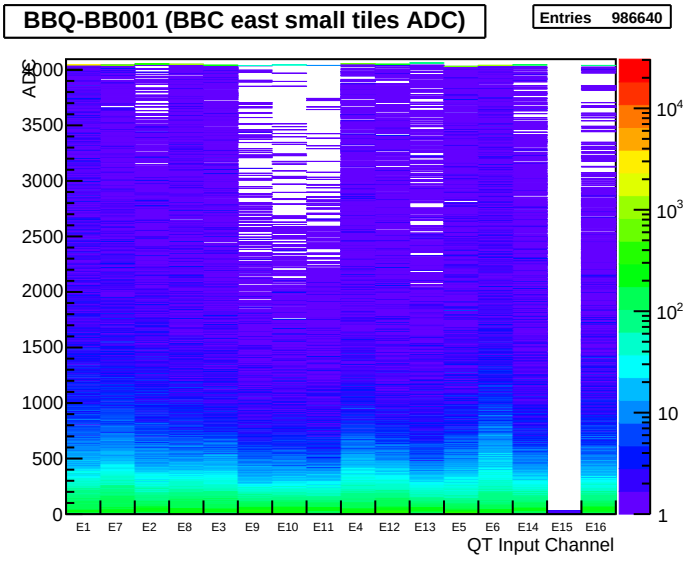

MIX-TF101
Entries 74621
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

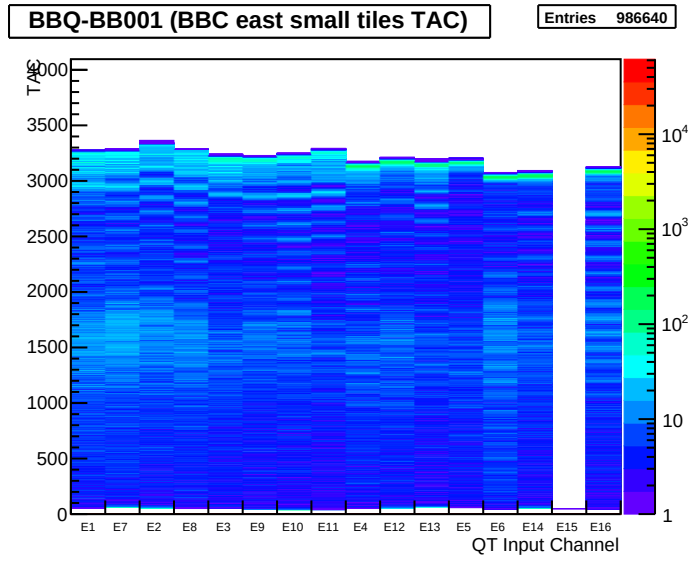

L2-TF201
Entries 61665
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

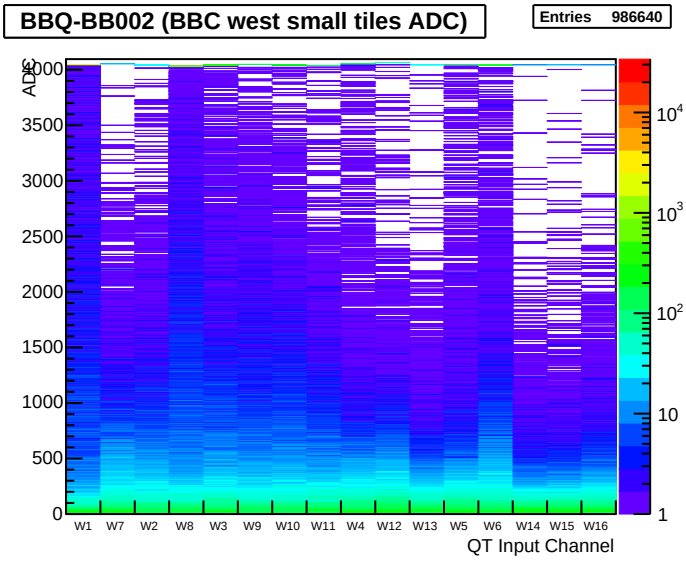

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

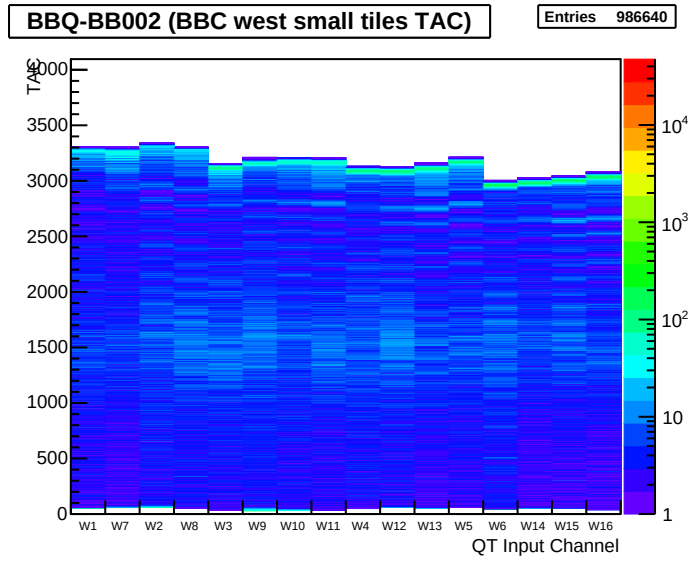

L2-TF201
Entries 431655
Threshold/UPC bits
1
0
59184
59559
4671
59477
59353
58962
60317
2481
2106
56994
2188
2312
2703
1348
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

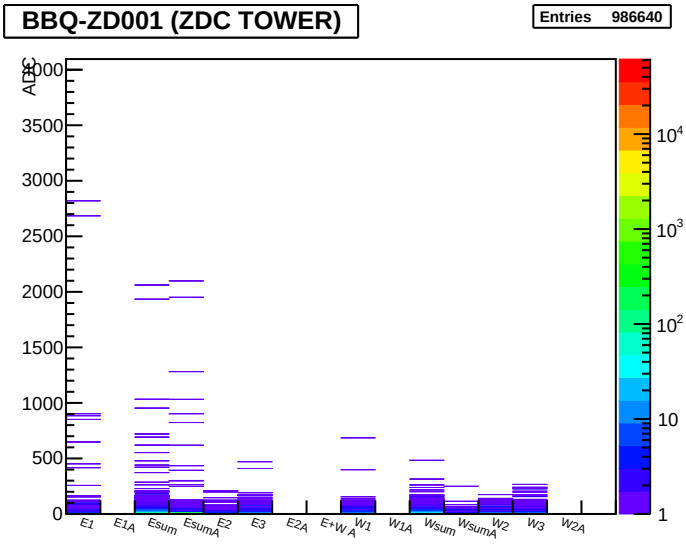

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

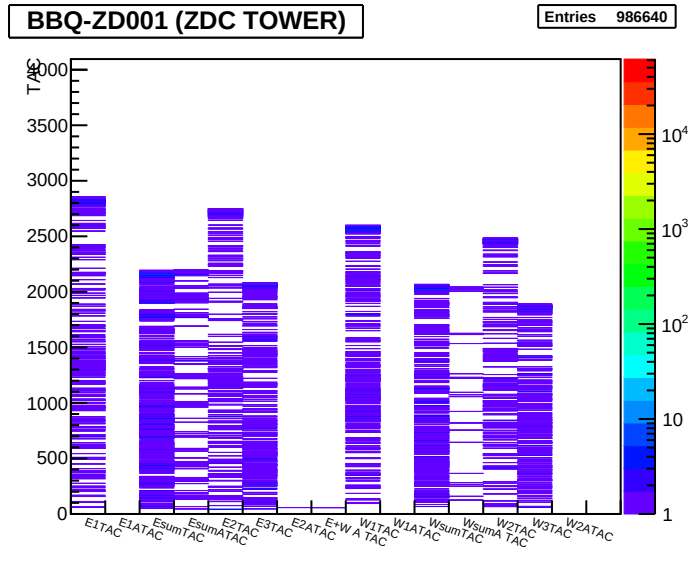

BBQ-BB001 (BBC east small tiles ADC)
Entries 986640
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

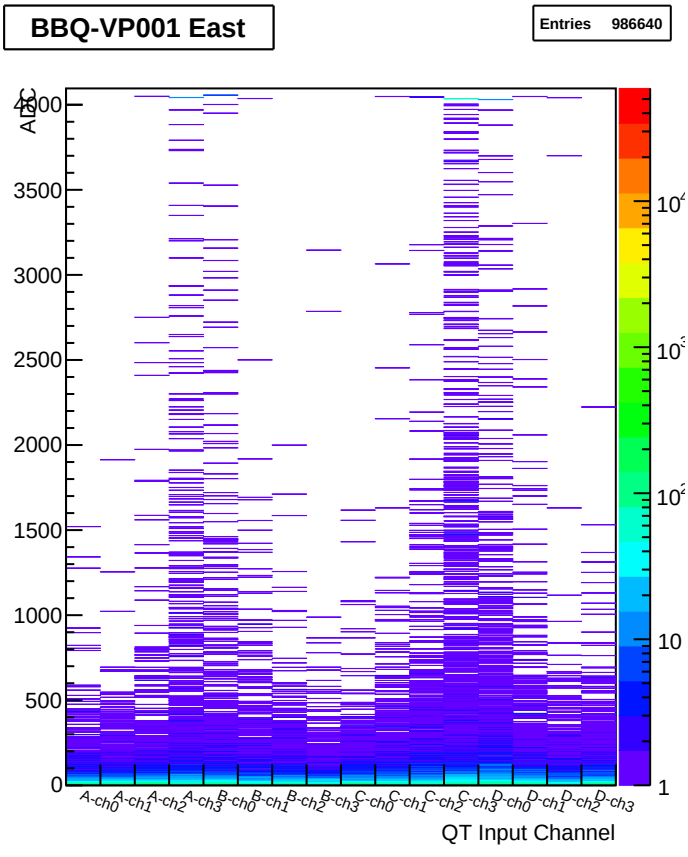

BBQ-BB001 (BBC east small tiles TAC)
Entries 986640
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

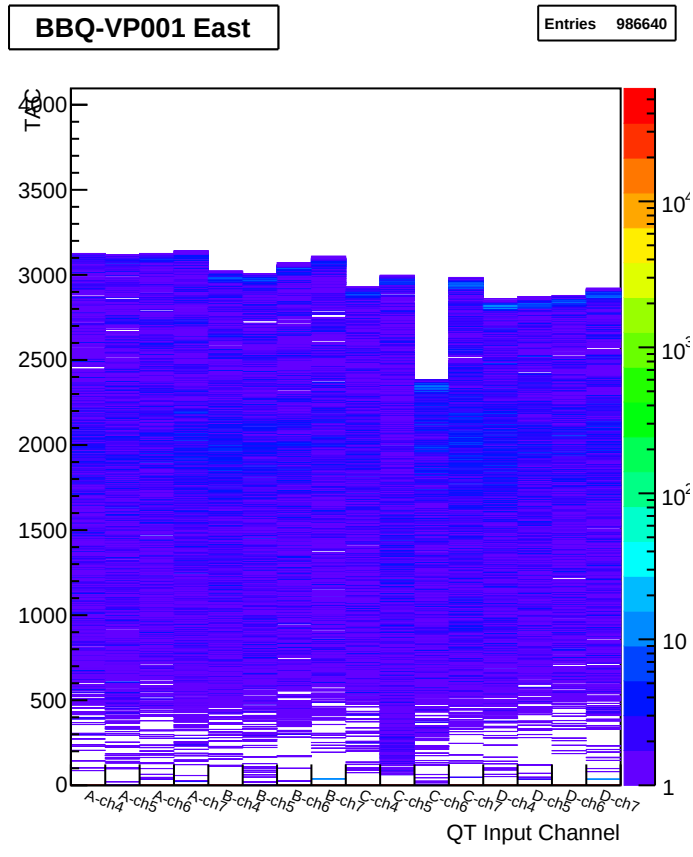

BBQ-BB002 (BBC west small tiles ADC)
Entries 986640
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

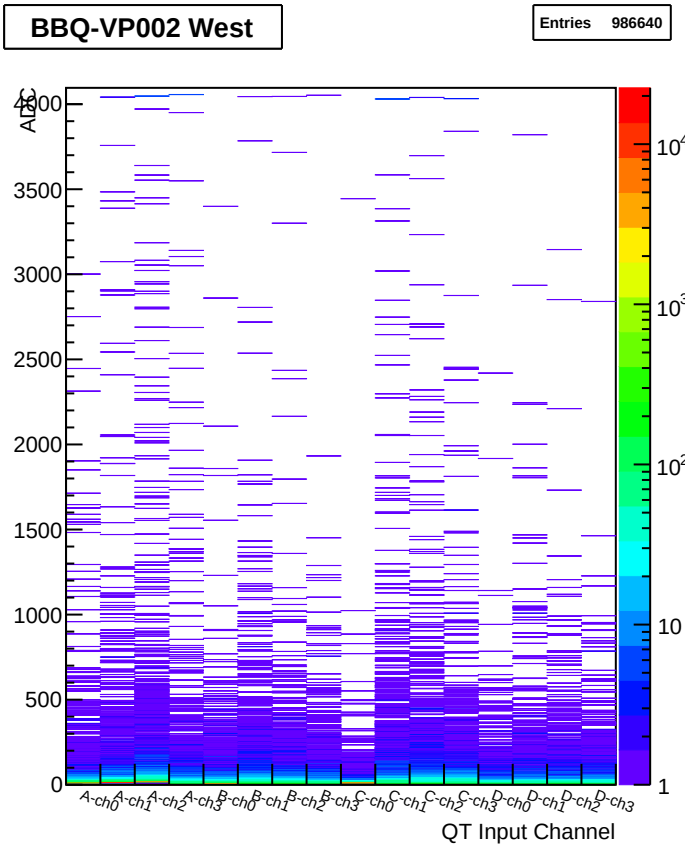

BBQ-BB002 (BBC west small tiles TAC)
Entries 986640
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

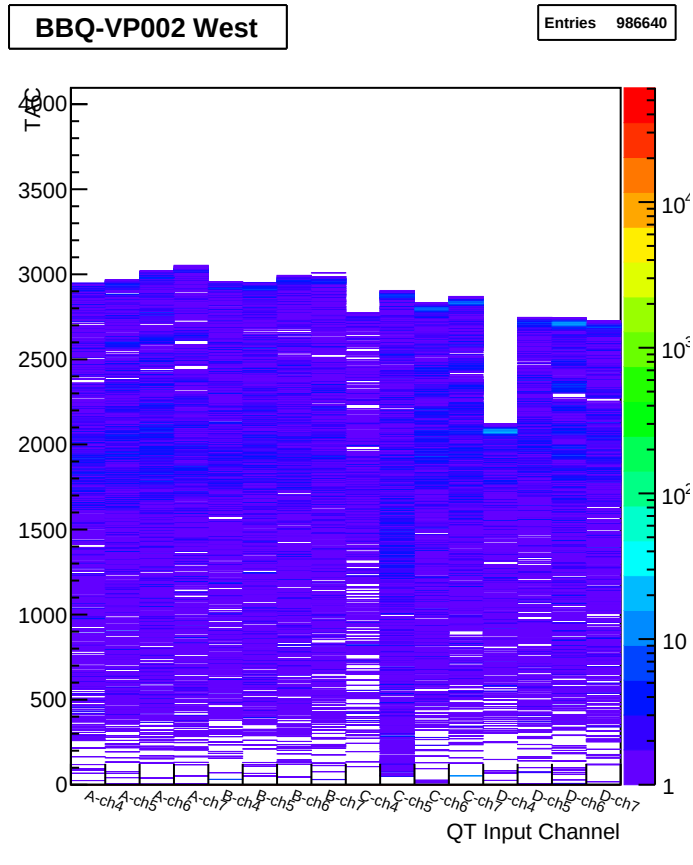

BBQ-ZD001 (ZDC TOWER)
Entries 986640
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

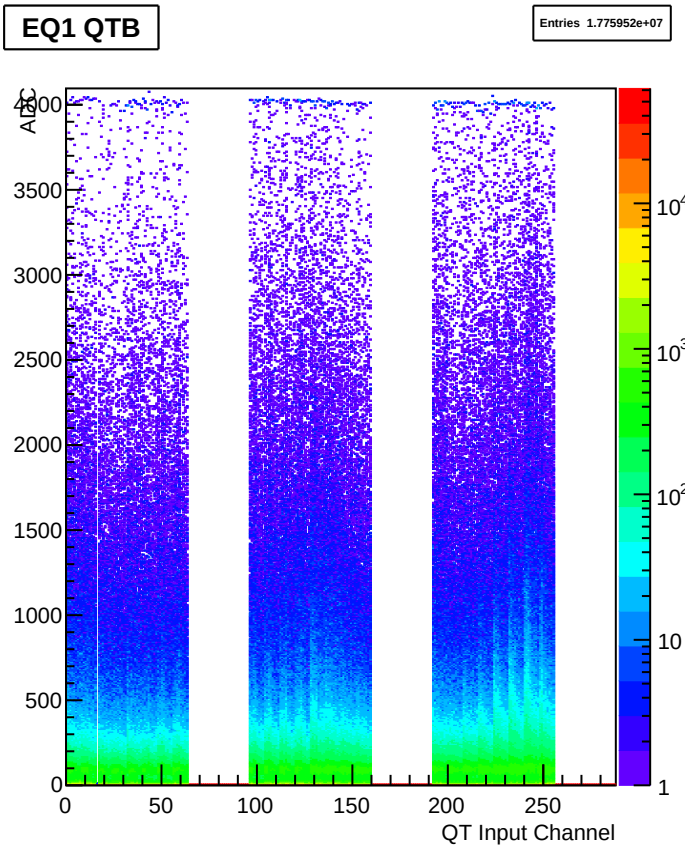

BBQ-ZD001 (ZDC TOWER)
Entries 986640
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

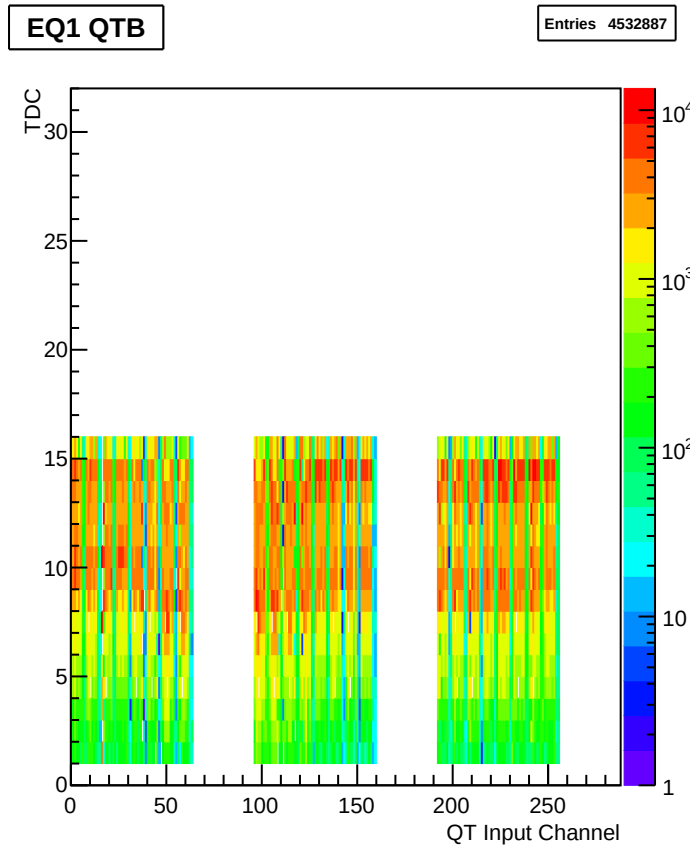

BBQ-VP001 East
Entries 986640
ADC
QT Input Channel

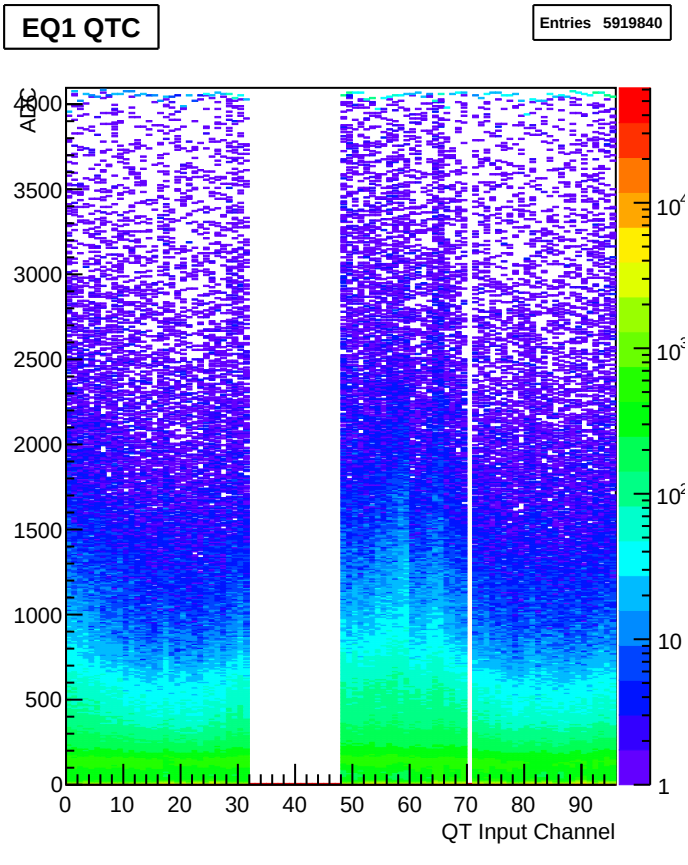

BBQ-VP001 East
Entries 986640
TADC
QT Input Channel

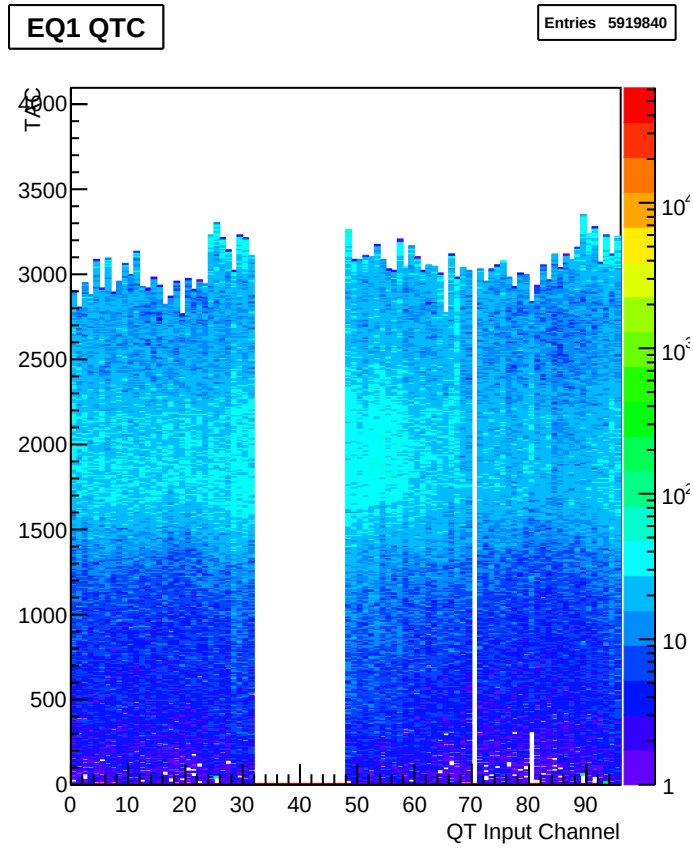

BBQ-VP002 West
Entries 986640
ADC
QT Input Channel

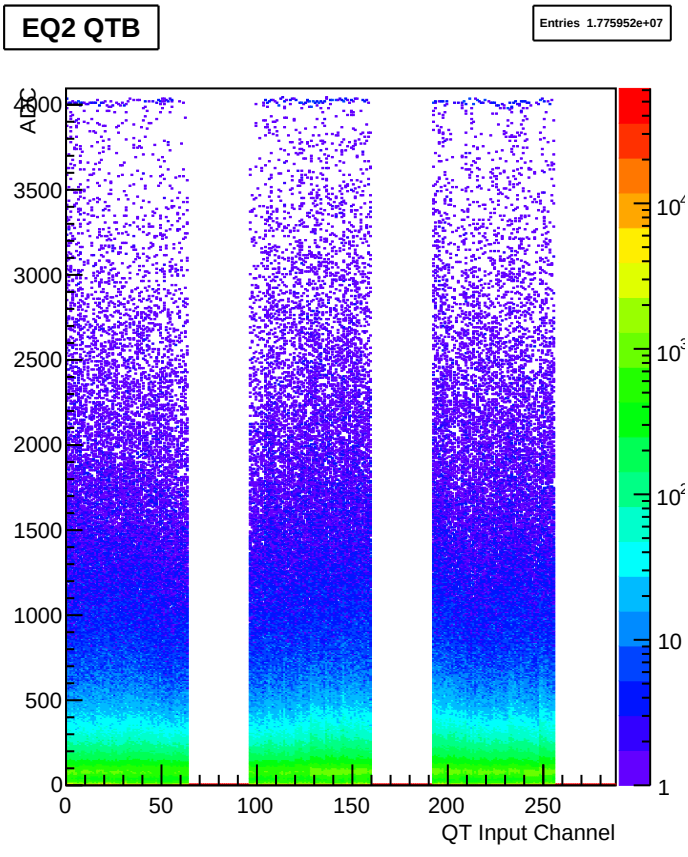

BBQ-VP002 West
Entries 986640
TADC
QT Input Channel

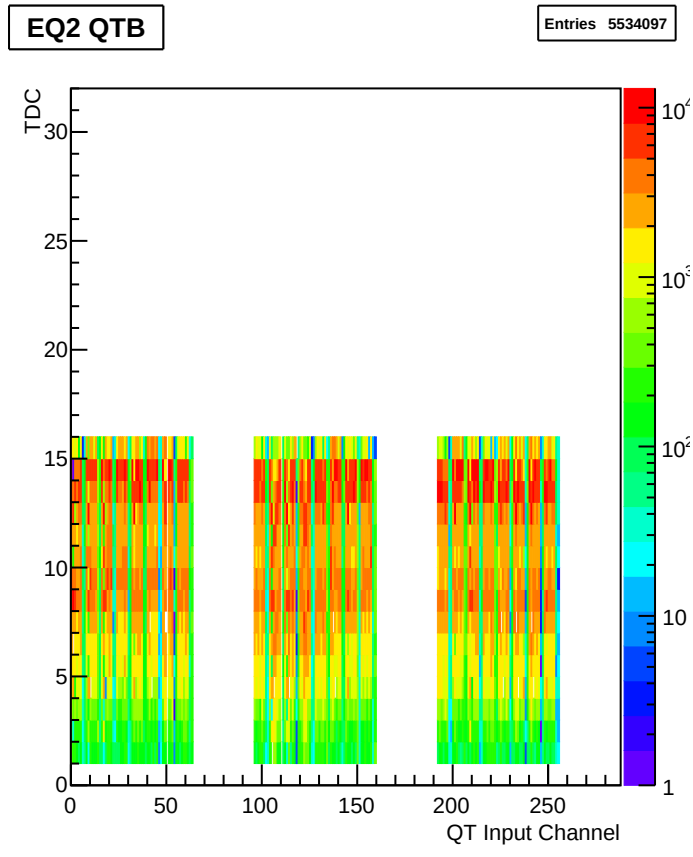

EQ1 QTB
Entries 1.775952e+07
ADC
QT Input Channel

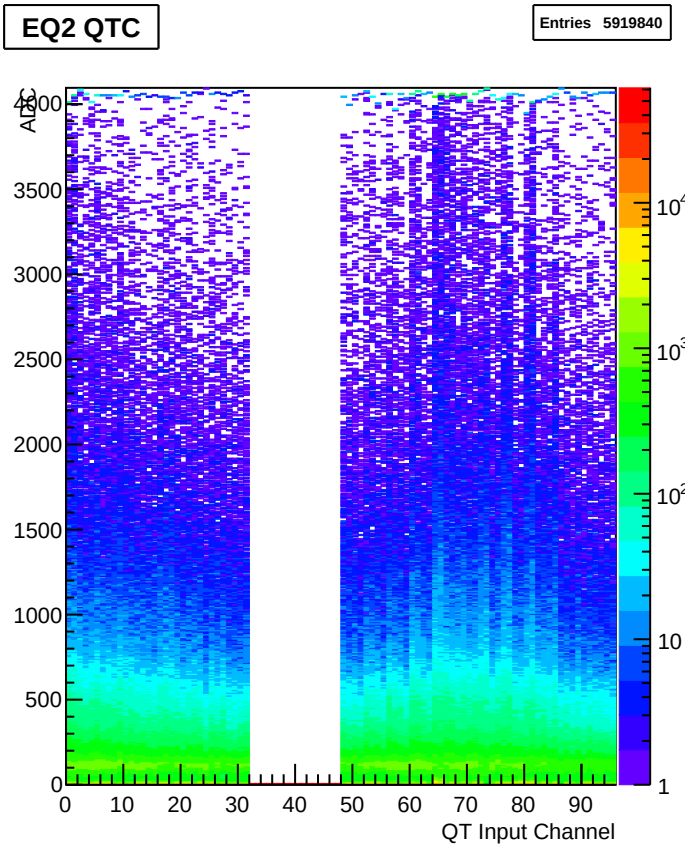

EQ1 QTB
Entries 4532887
TDC
QT Input Channel

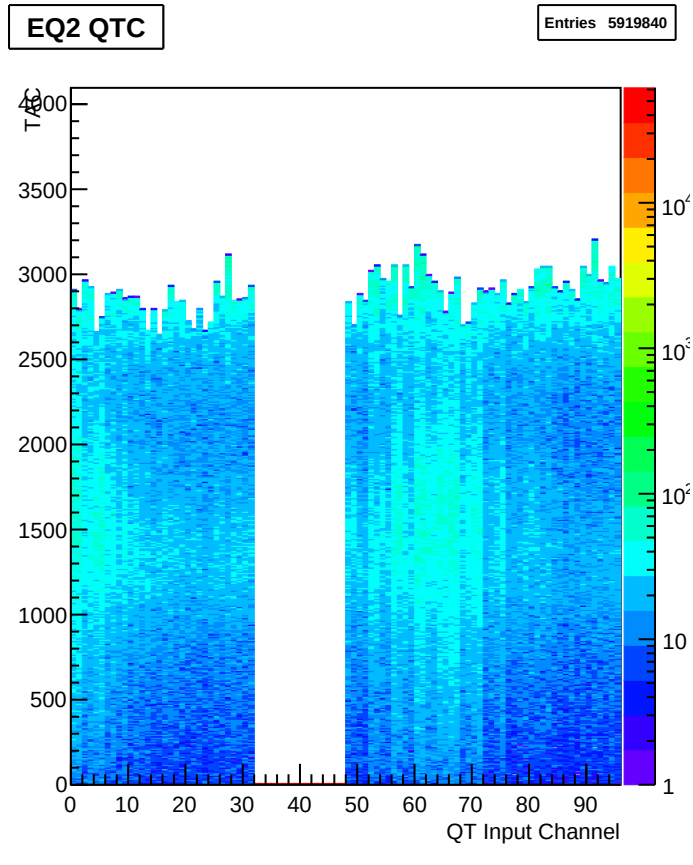

EQ1 QTC
Entries 5919840
ADC
QT Input Channel

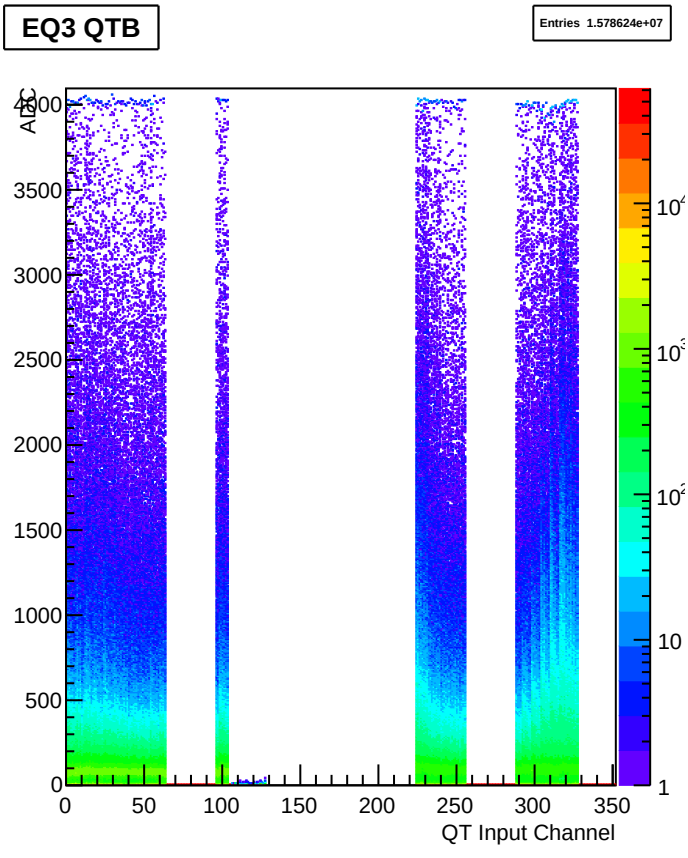

EQ1 QTC
Entries 5919840
TADC
QT Input Channel

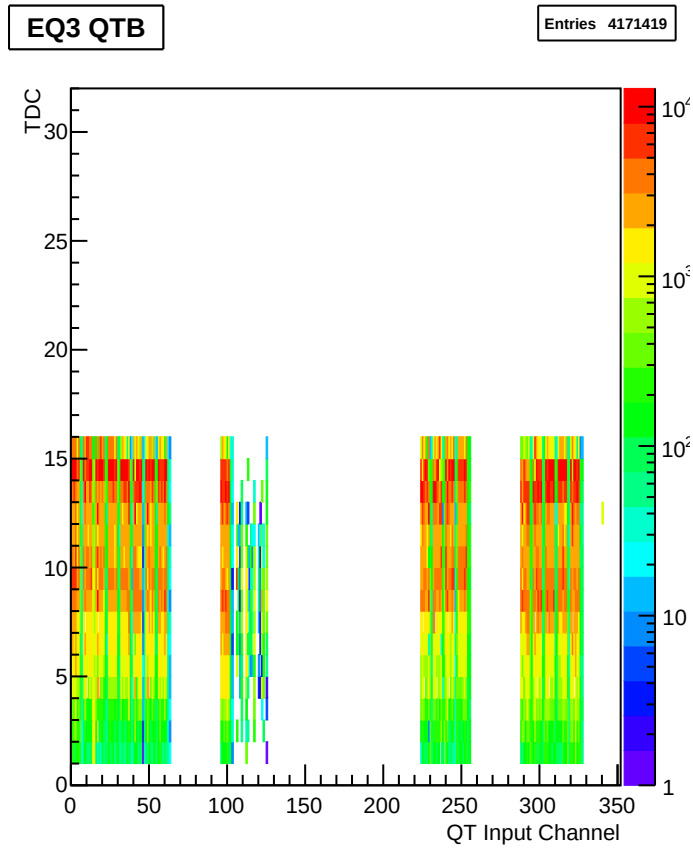

EQ2 QTB
Entries 1.775952e+07
ADC
QT Input Channel

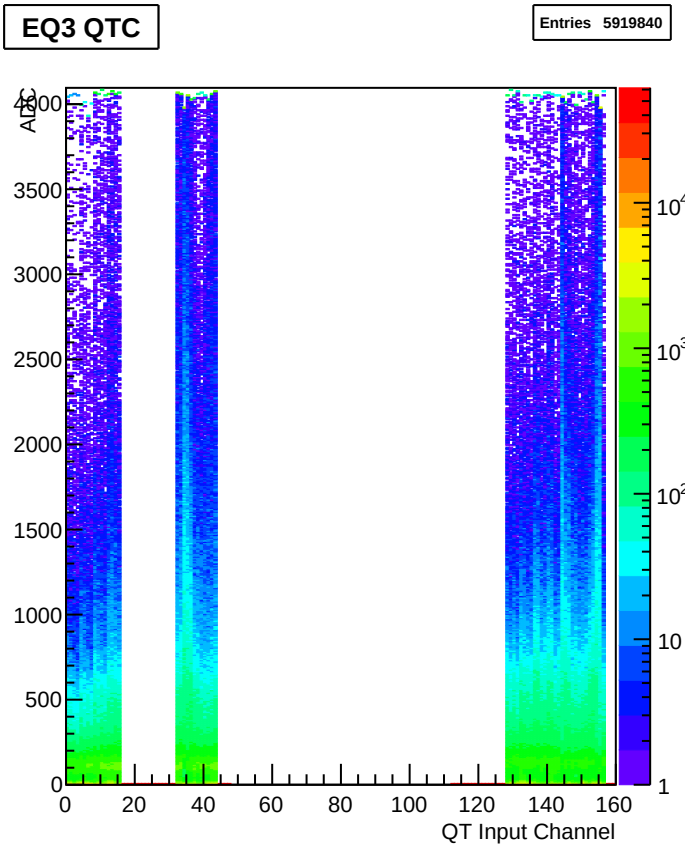

EQ2 QTB
Entries 5534097
TDC
QT Input Channel

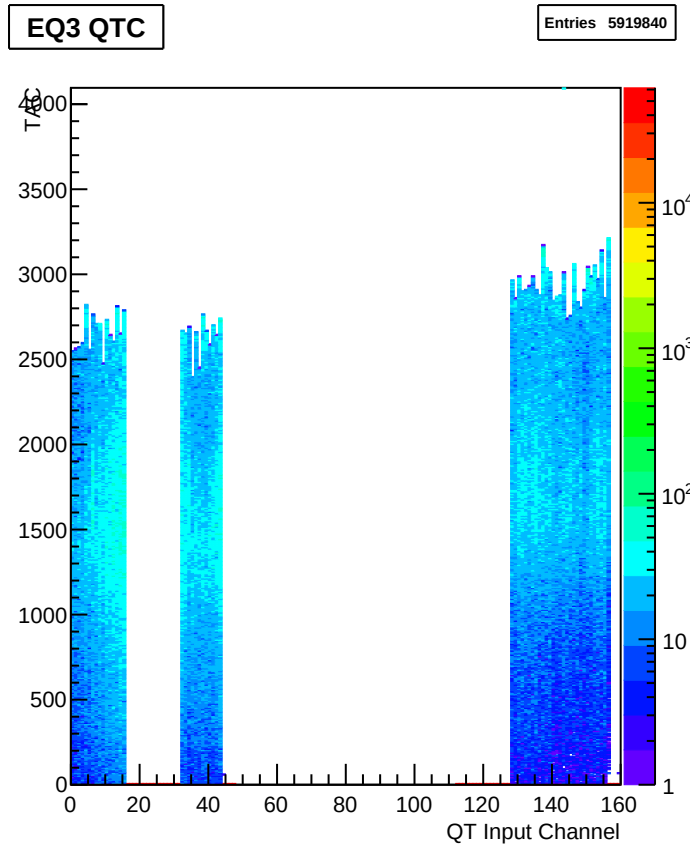

EQ2 QTC
Entries 5919840
ADC
QT Input Channel

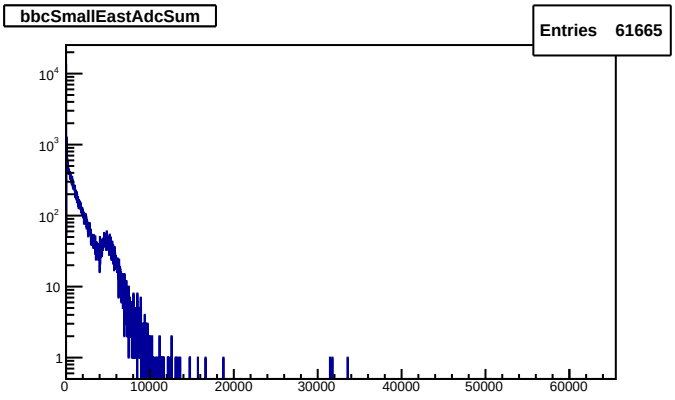

EQ2 QTC
Entries 5919840
TADC
QT Input Channel

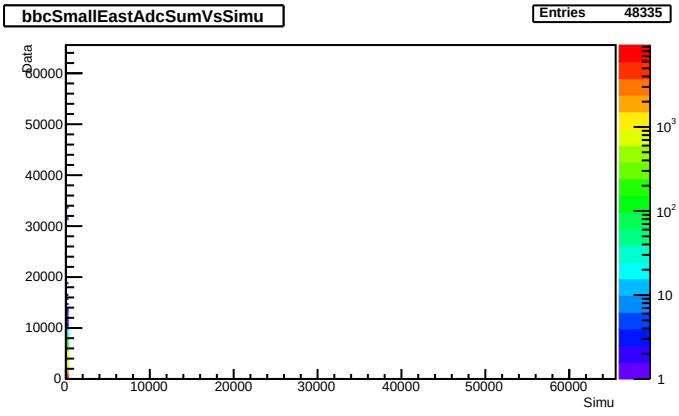

EQ3 QTB
Entries 1.578624e+07
ADC
QT Input Channel

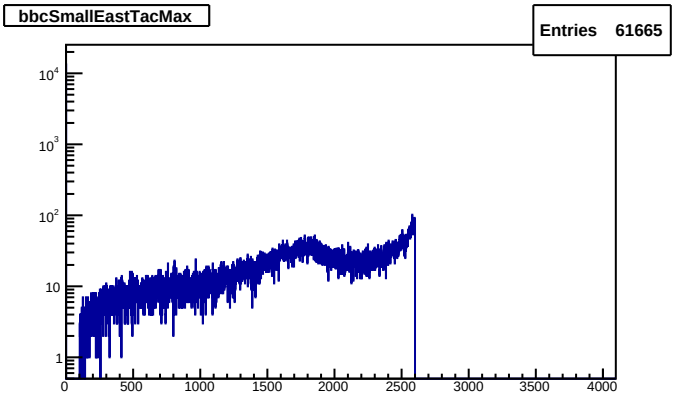

EQ3 QTB
Entries 4171419
TDC
QT Input Channel

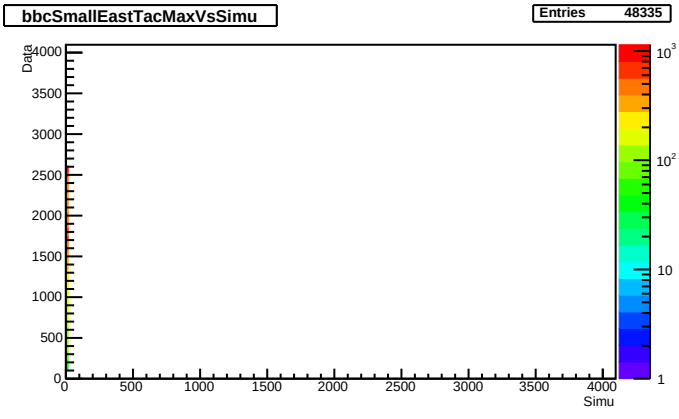

EQ3 QTC
Entries 5919840
ADC
QT Input Channel

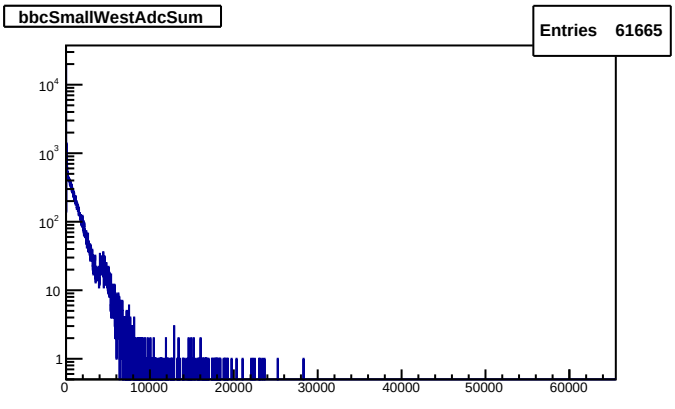

EQ3 QTC
Entries 5919840
TADC
QT Input Channel

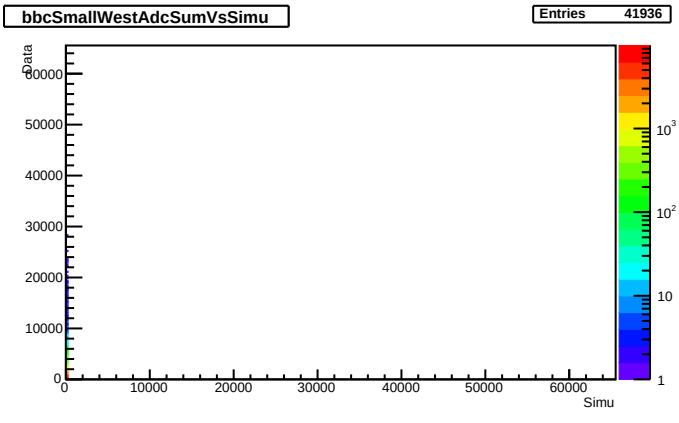

bbcSmallEastAdcSum
Entries 61665

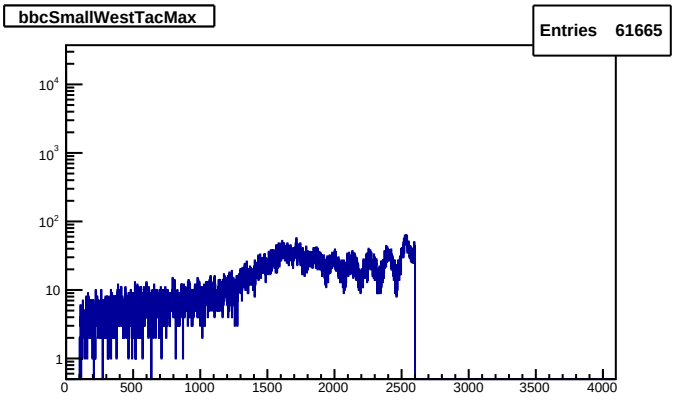

bbcSmallEastAdcSumVsSimu
Entries 48335
Data
Simu

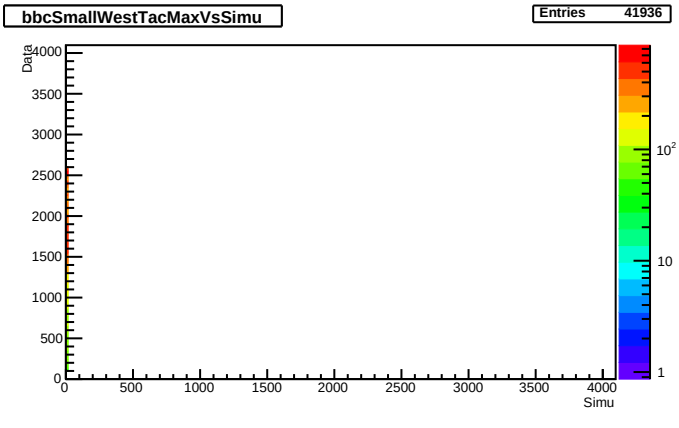

bbcSmallEastTacMax
Entries 61665

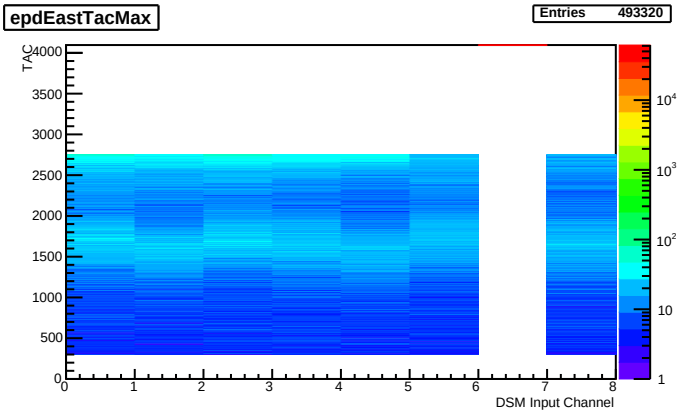

bbcSmallEastTacMaxVsSimu
Entries 48335
Data
Simu

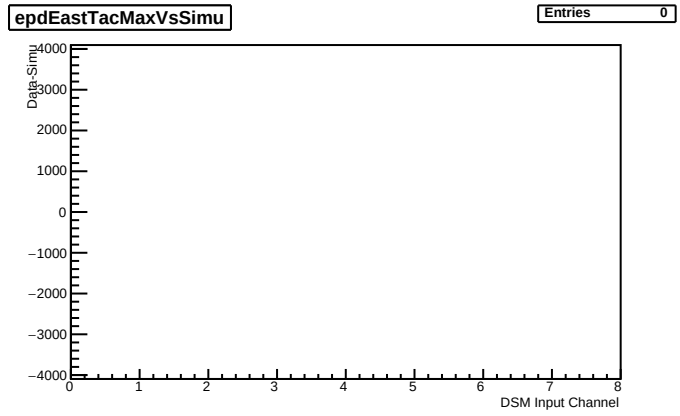

bbcSmallWestAdcSum
Entries 61665

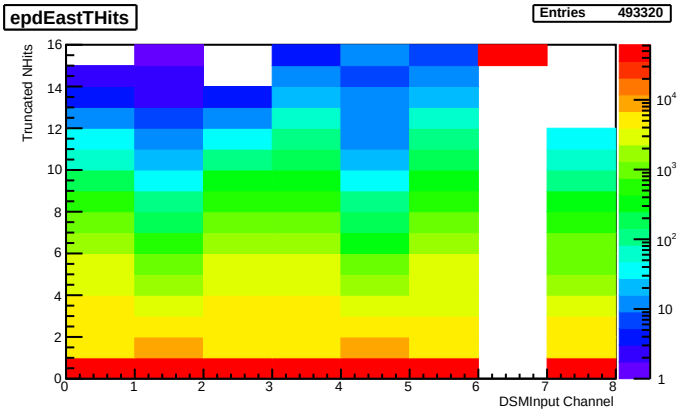

bbcSmallWestAdcSumVsSimu
Entries 41936
Data
Simu

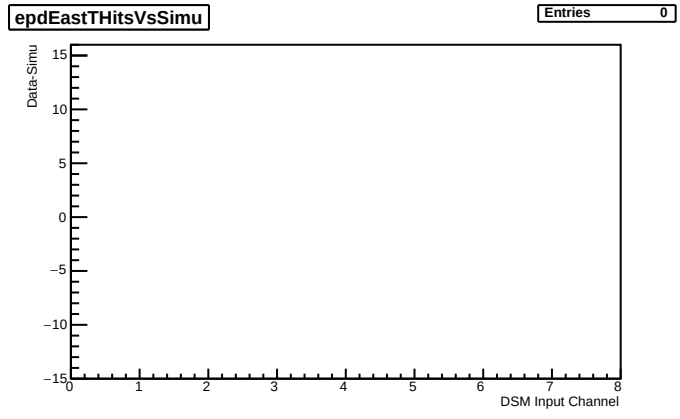

bbcSmallWestTacMax
Entries 61665


bbcSmallWestTacMaxVsSimu
Entries 41936
Data
Simu


epdEastTacMax
Entries 493320
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 493320
Truncated NHits
DSMInput Channel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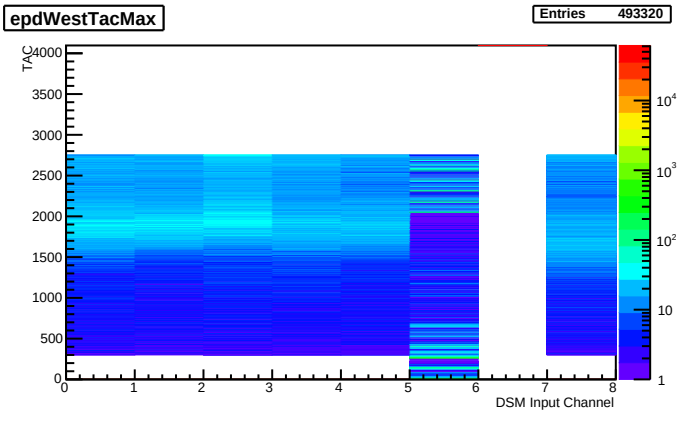
Data-Simu
DSM Input Channel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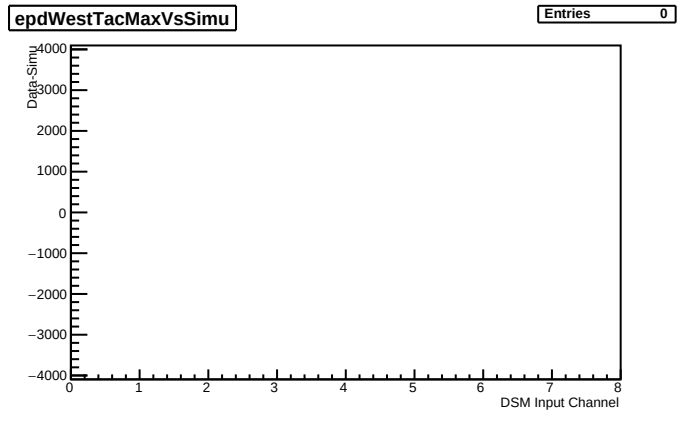
Entries 493320
TAC
DSM Input Channel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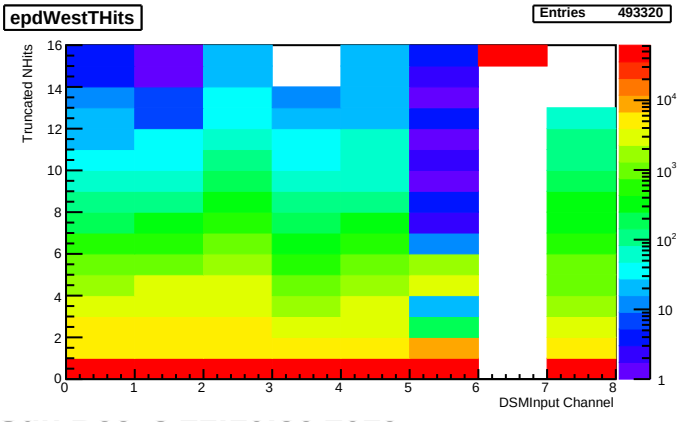
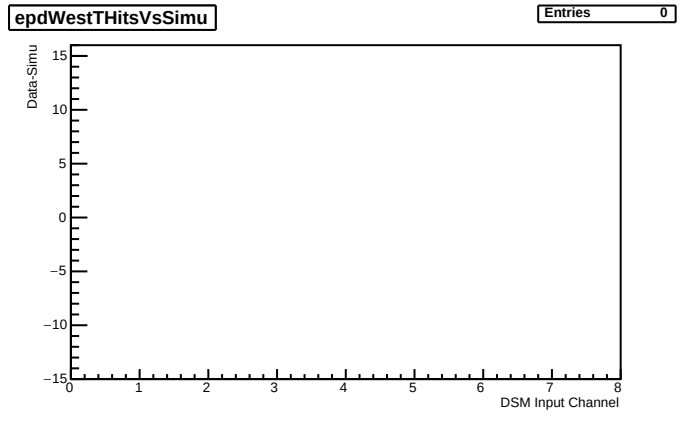
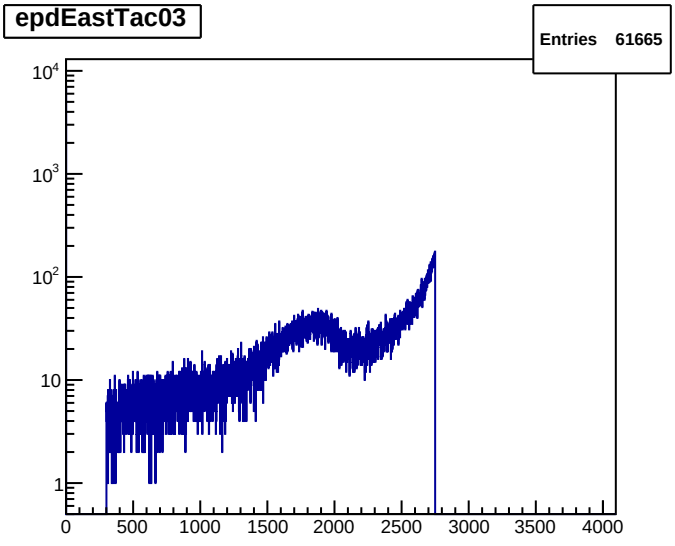
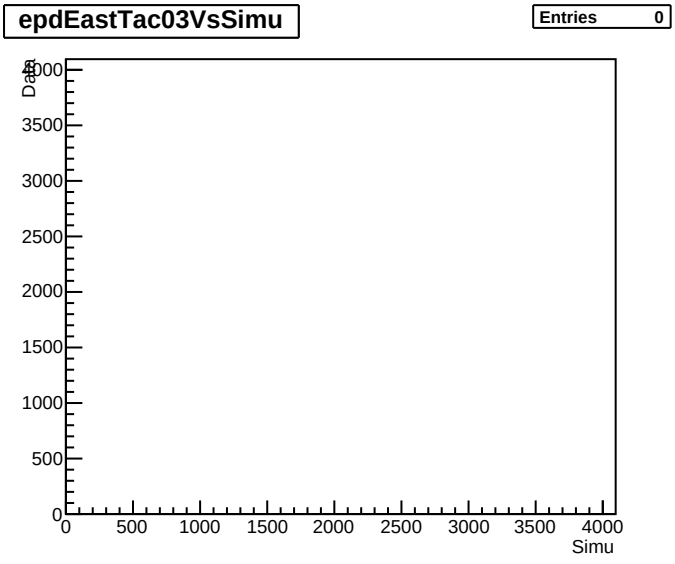
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 493320
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 61665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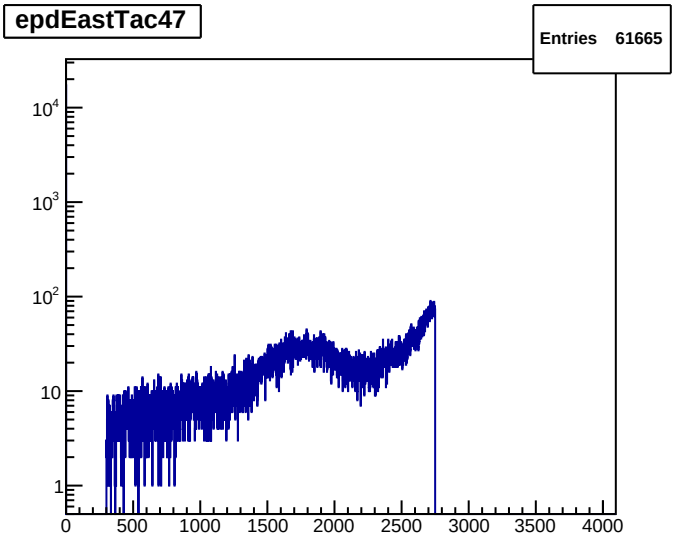
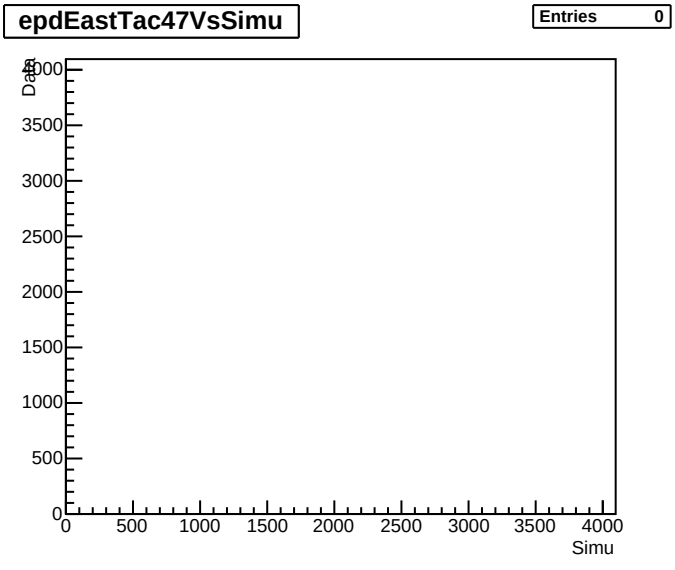
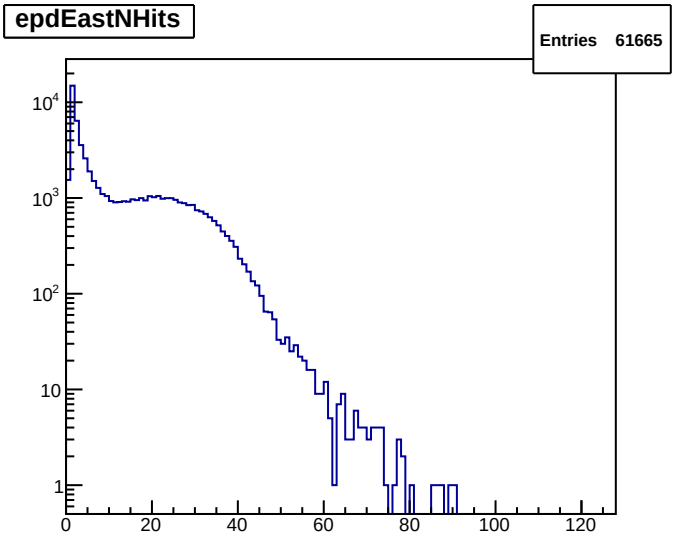
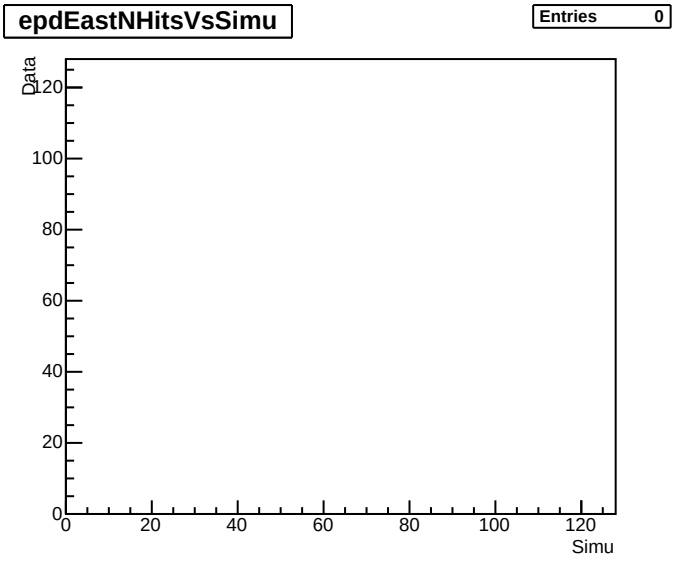
Entries 0
Data
Simu


epdEastTac47
Entries 61665


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 61665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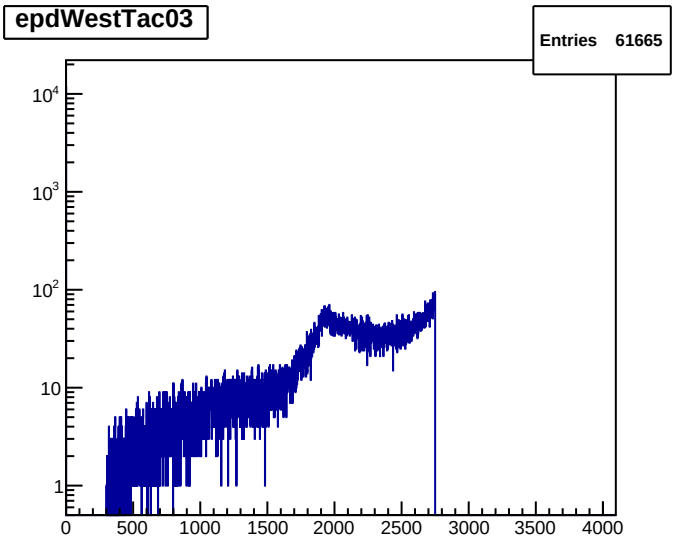
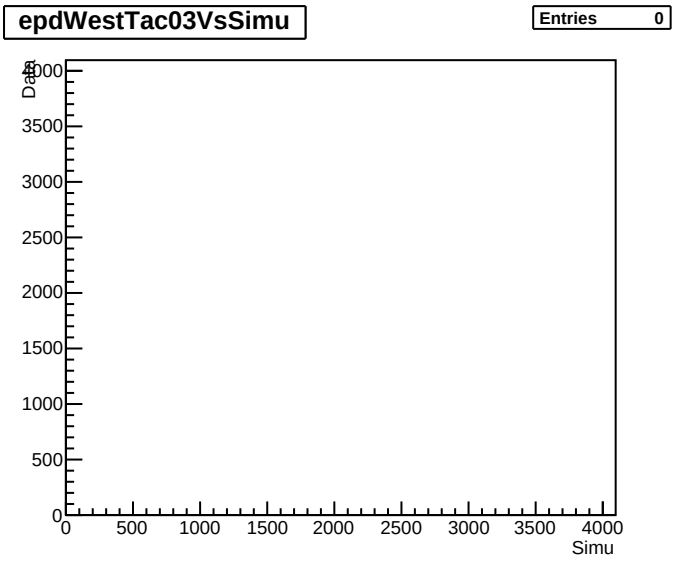
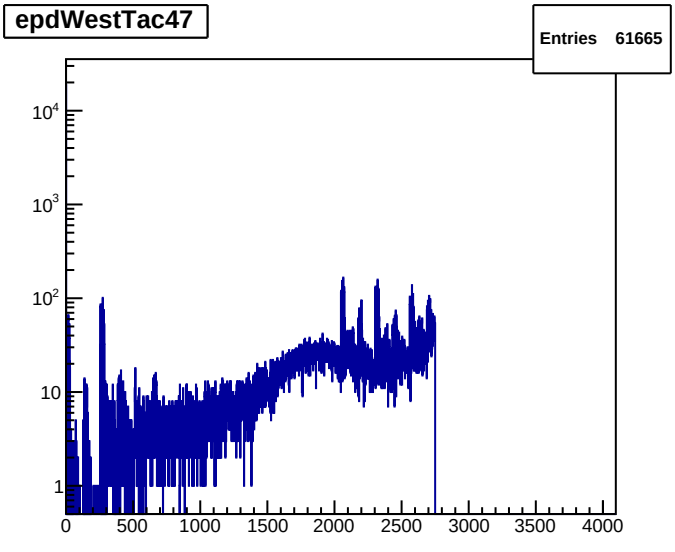
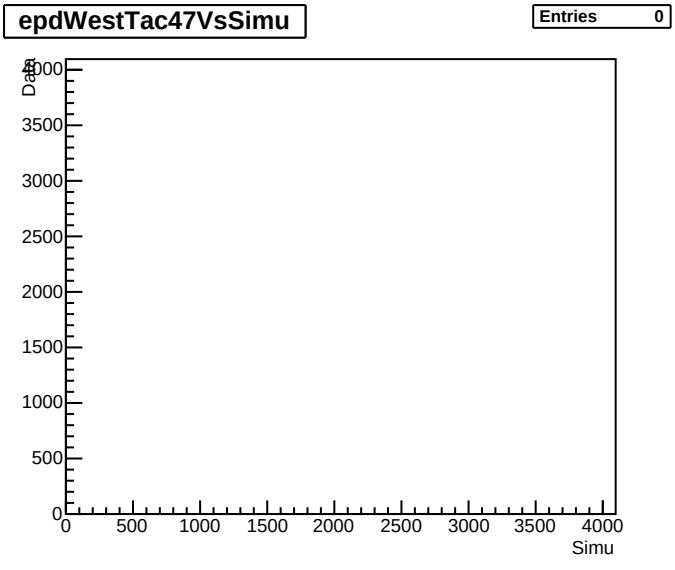
Entries 0
Data
Simu


epdWestTac03
Entries 61665


epdWestTac03VsSimu
Entries 0
Data
Simu


epdWestTac47
Entries 61665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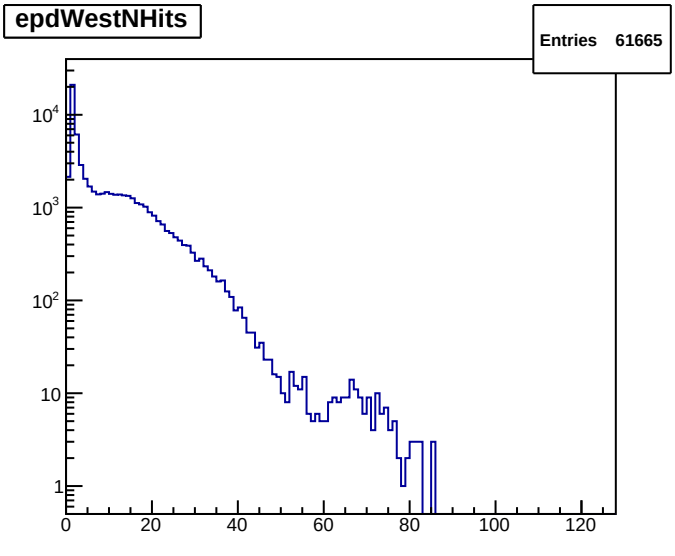
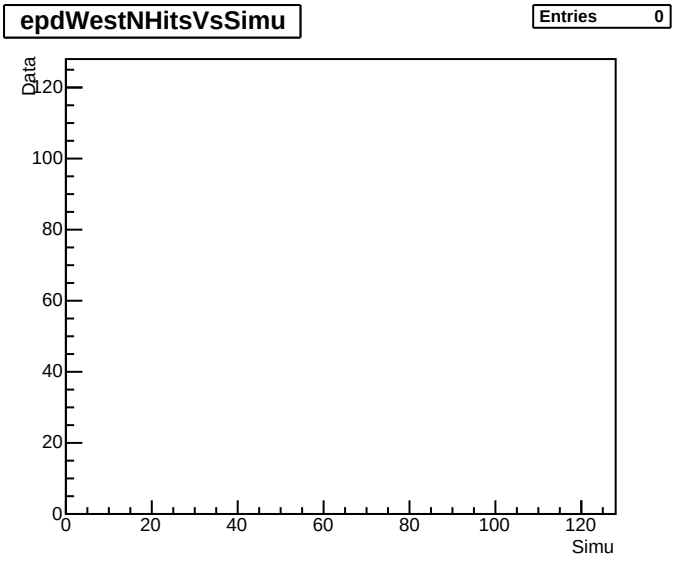
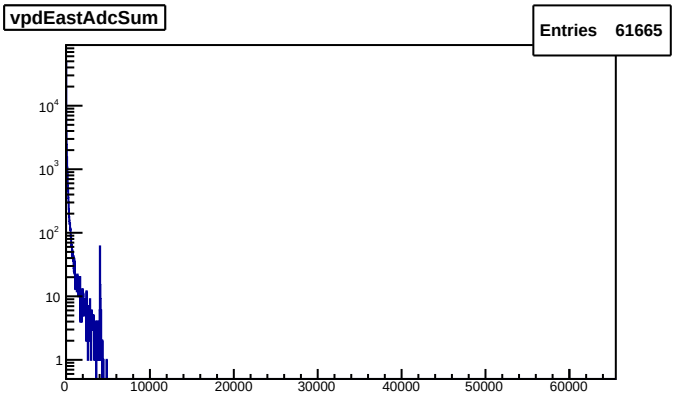
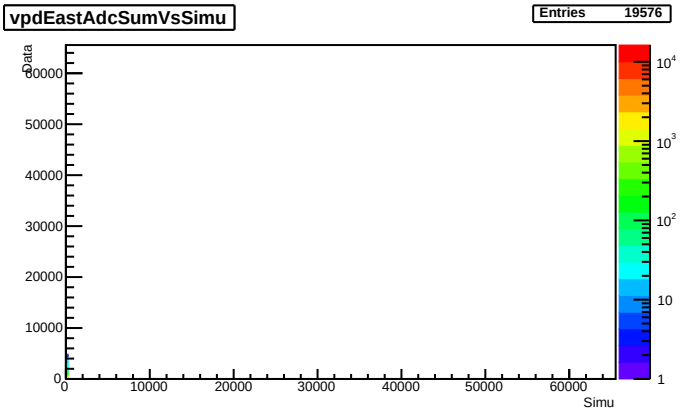
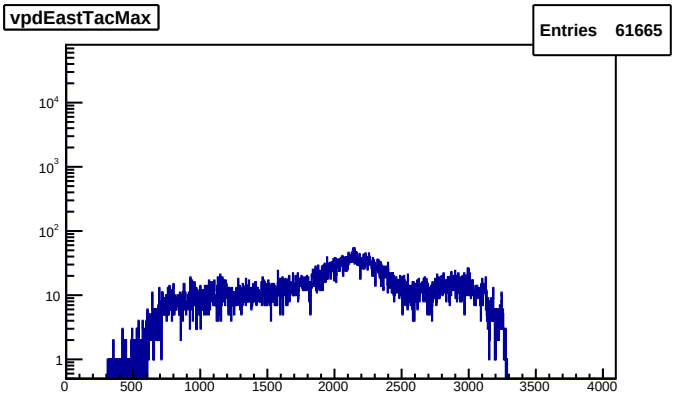
Entries 0
Data
Simu

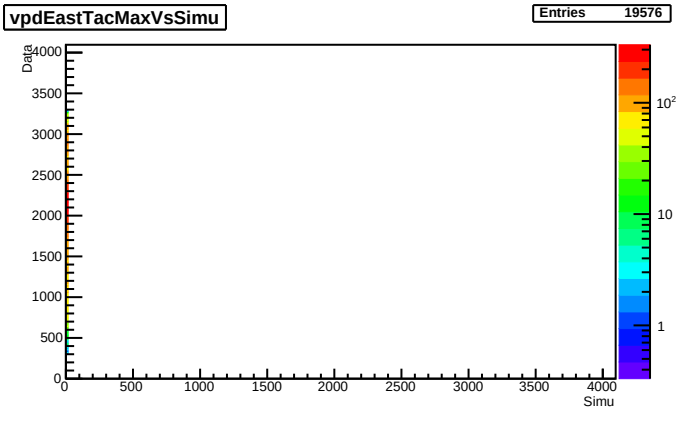

epdWestNHits
Entries 61665

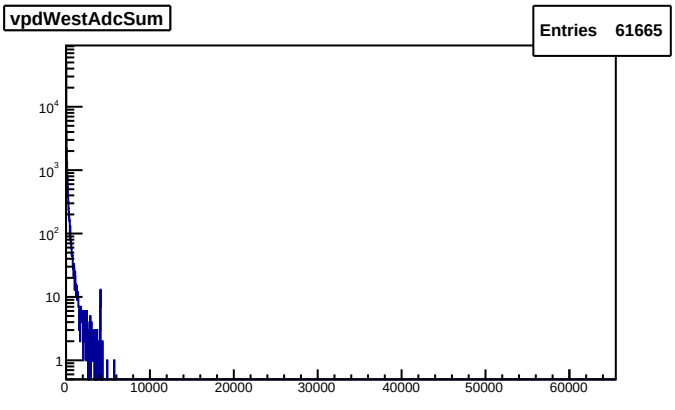

epdWestNHitsVsSimu
Entries 0
Data
Simu

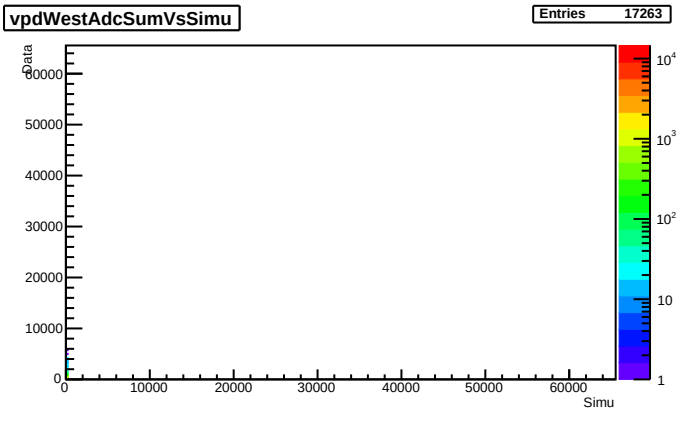

vpdEastAdcSum
Entries 61665

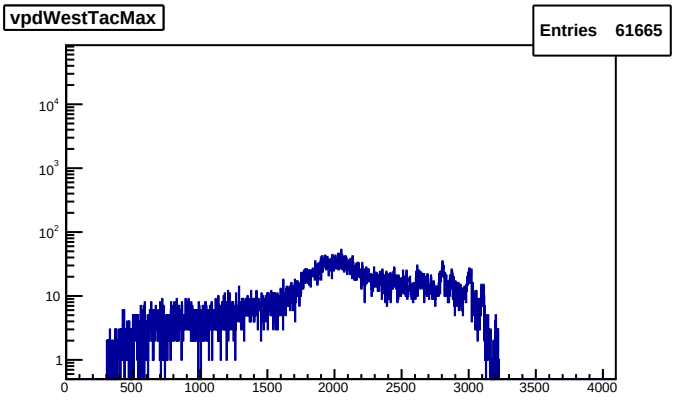

vpdEastAdcSumVsSimu
Entries 19576
Data
Simu

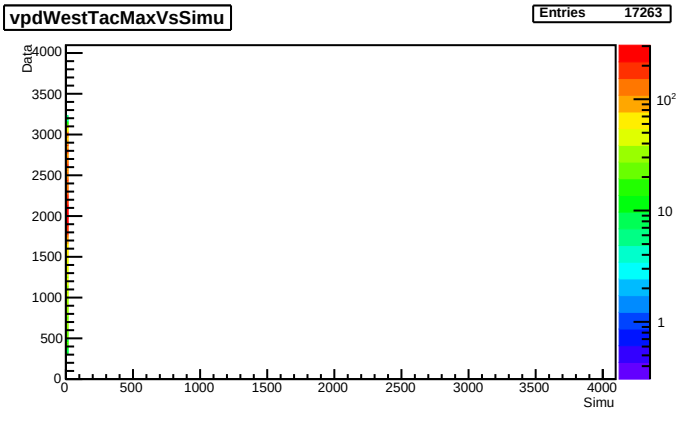

vpdEastTacMax
Entries 61665

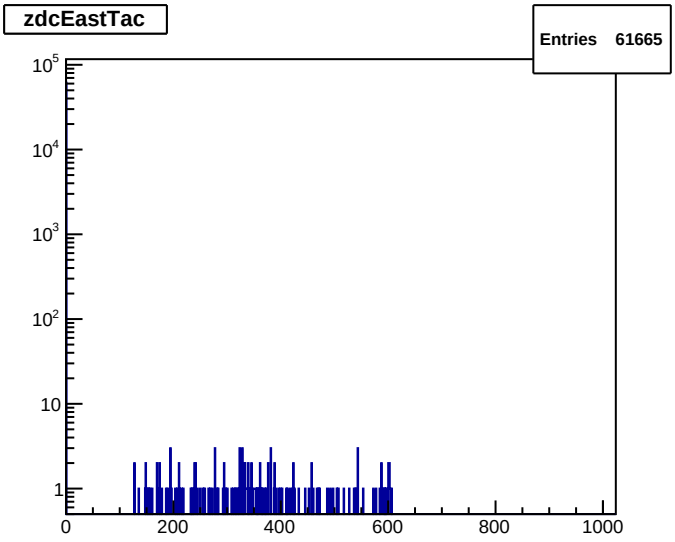

vpdEastTacMaxVsSimu
Entries 19576
Data
Simu

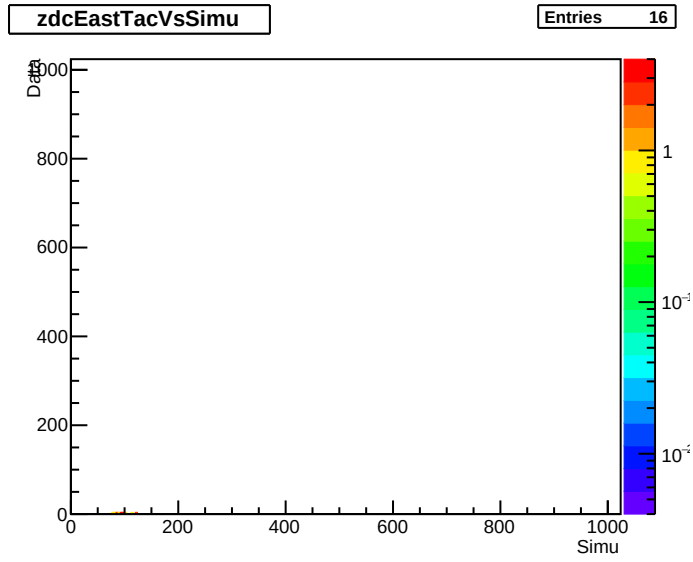

vpdWestAdcSum
Entries 61665

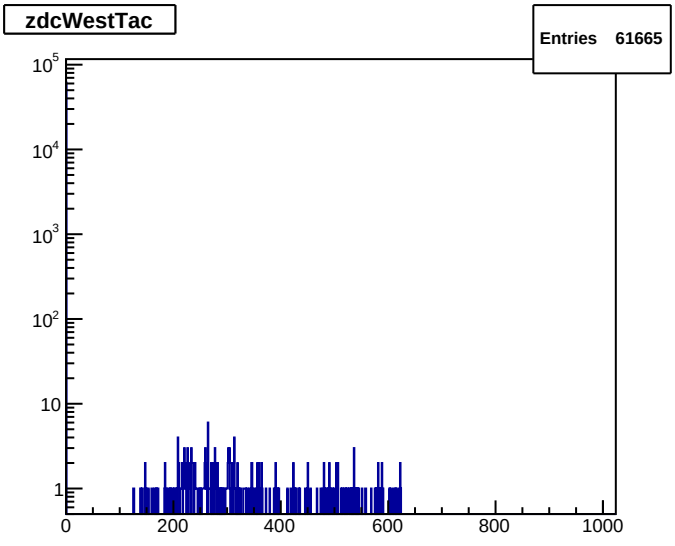

vpdWestAdcSumVsSimu
Entries 17263
Data
Simu

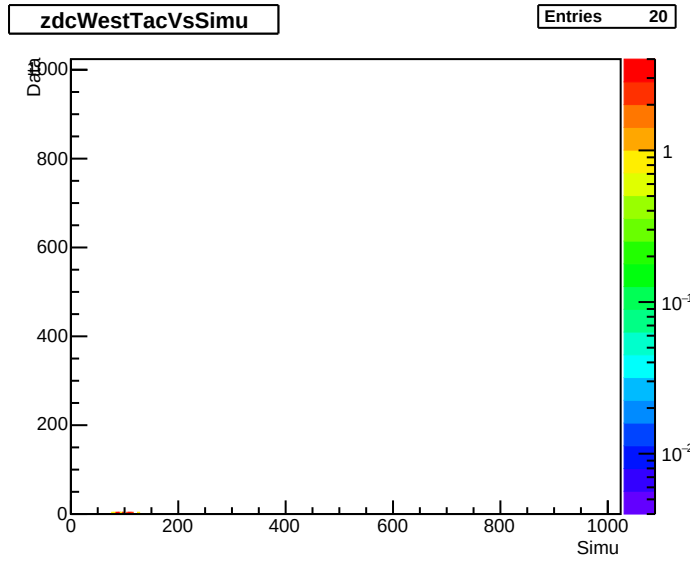

vpdWestTacMax
Entries 61665

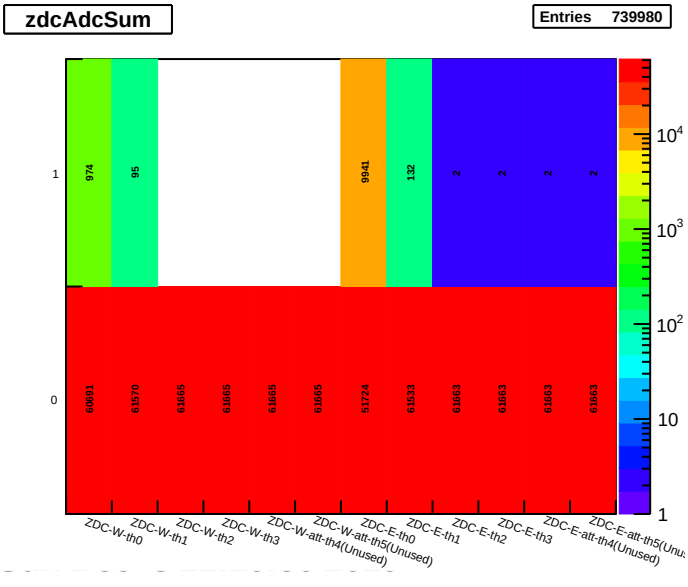

vpdWestTacMaxVsSimu
Entries 17263
Data
Simu

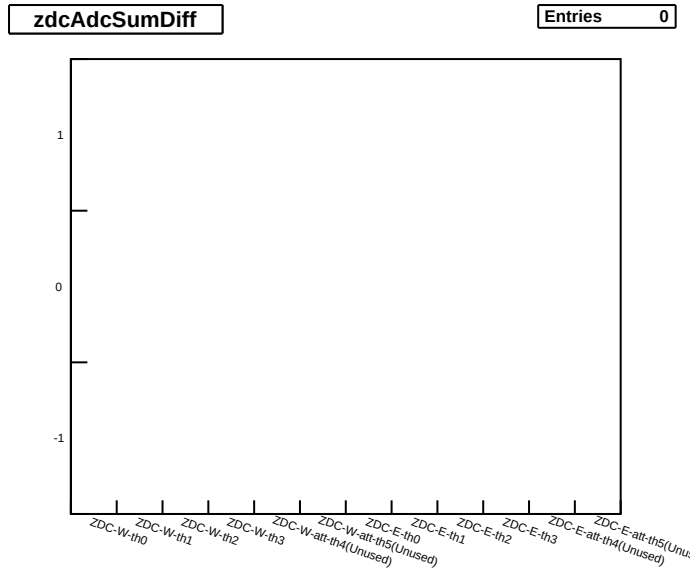

zdcEastTac
Entries 61665

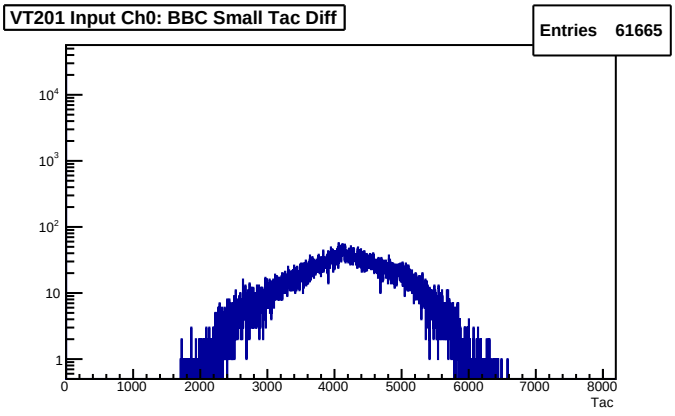

zdcEastTacVsSimu
Entries 16
Data
Simu

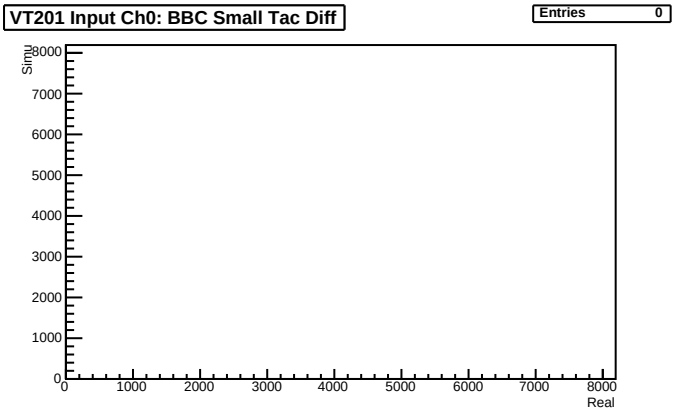

zdcWestTac
Entries 61665

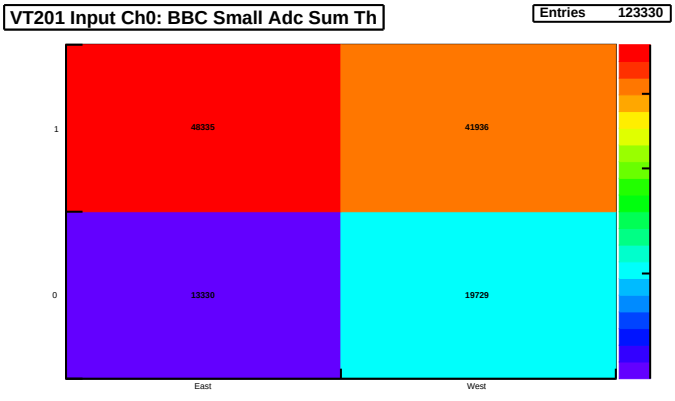

zdcWestTacVsSimu
Entries 20
Data
Simu

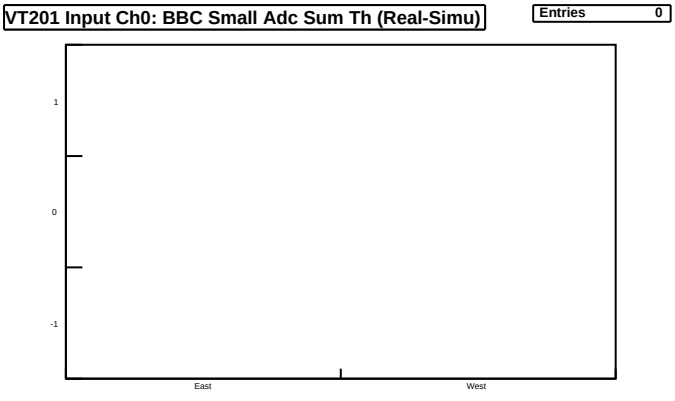

zdcAdcSum
Entries 739980
974
95
9941
132
2
2
2
2
60691
61570
61665
61665
61665
61665
51724
61533
61663
61663
61663
61663
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

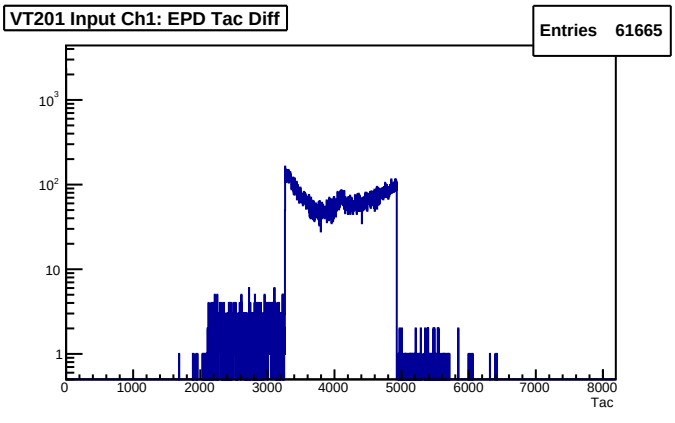

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

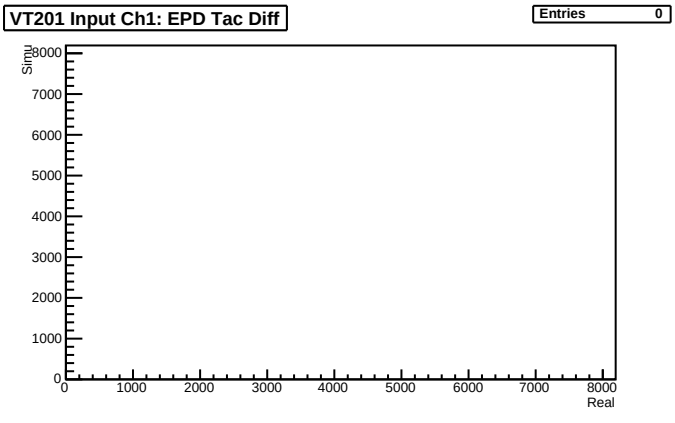

VT201 Input Ch0: BBC Small Tac Diff
Entries 61665
Tac

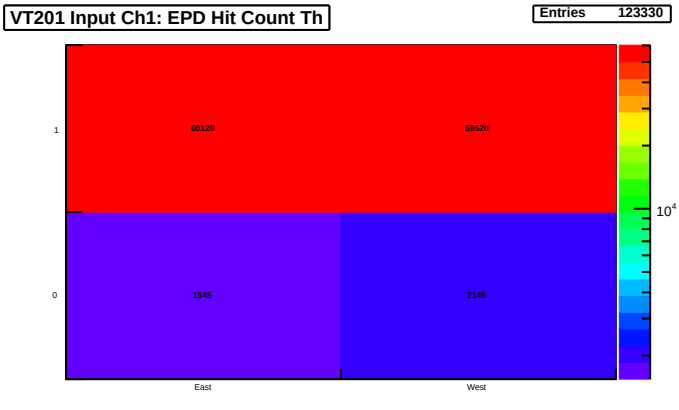

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

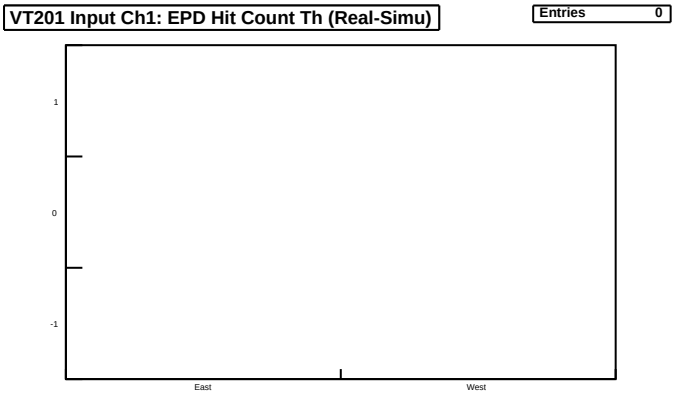

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 123330
48335
41936
13330
19729
East
West

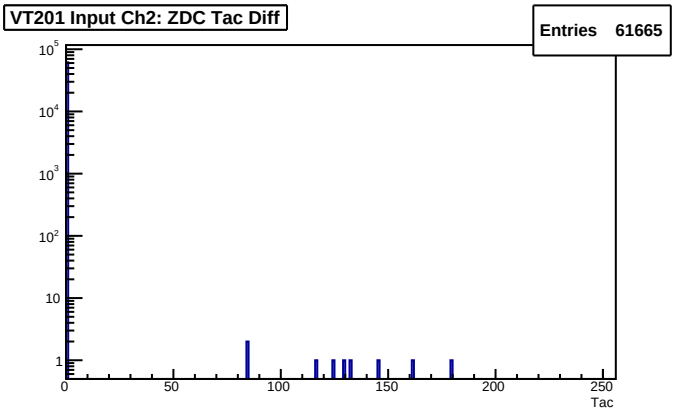

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

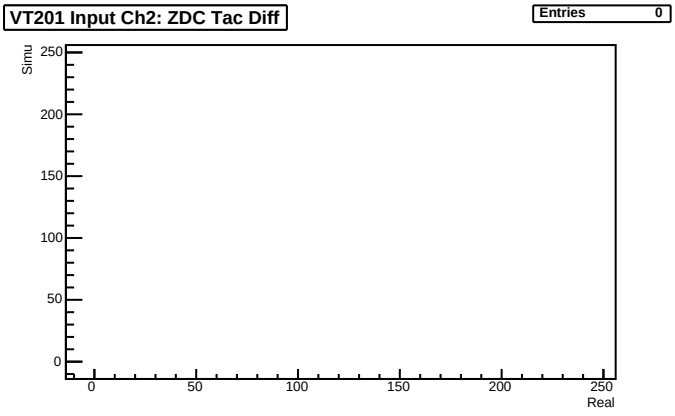

VT201 Input Ch1: EPD Tac Diff
Entries 61665
Tac

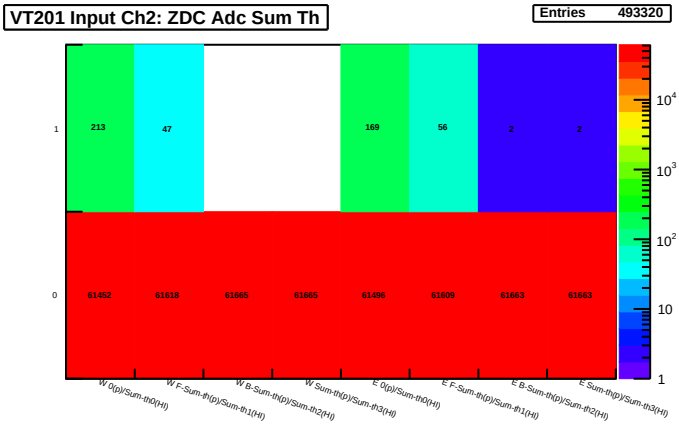

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

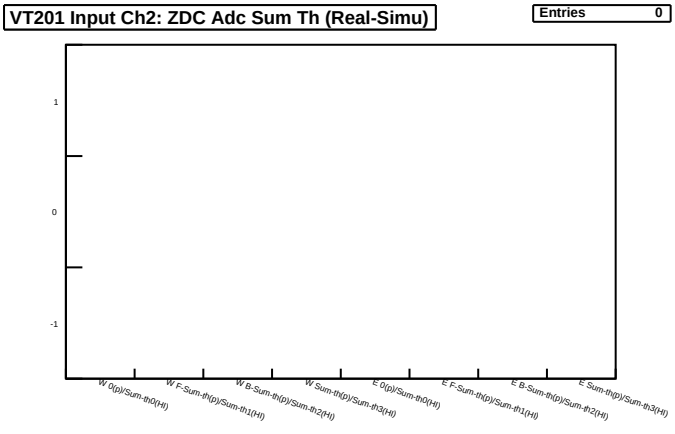

VT201 Input Ch1: EPD Hit Count Th
Entries 123330
60120
59520
1545
2145
East
West

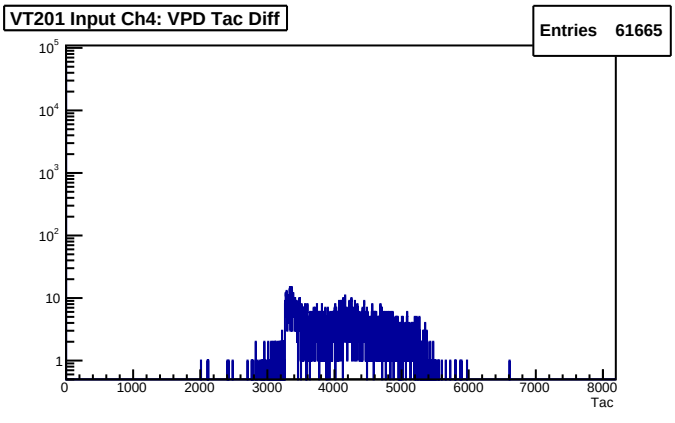

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

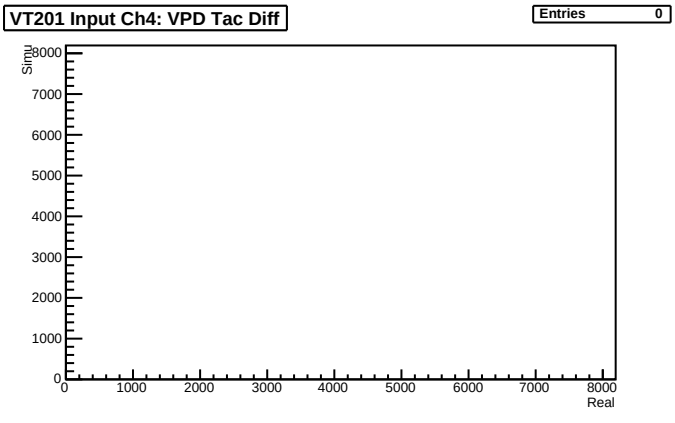

VT201 Input Ch2: ZDC Tac Diff
Entries 61665
Tac

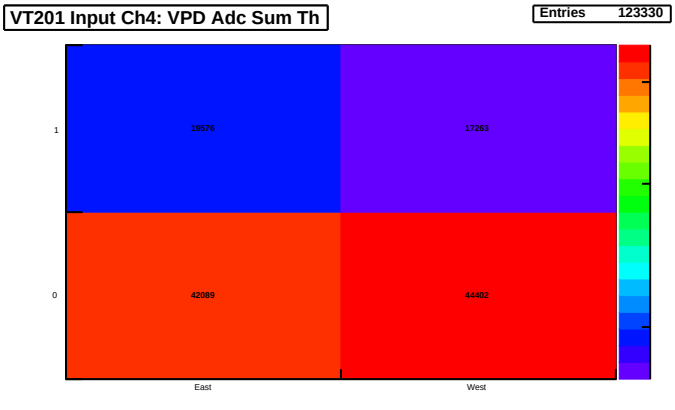

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

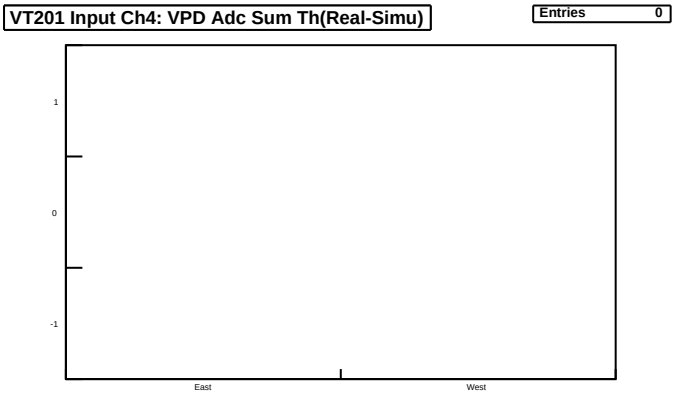

VT201 Input Ch2: ZDC Adc Sum Th
Entries 493320
213
47
169
56
2
2
61452
61618
61665
61665
61496
61609
61663
61663
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

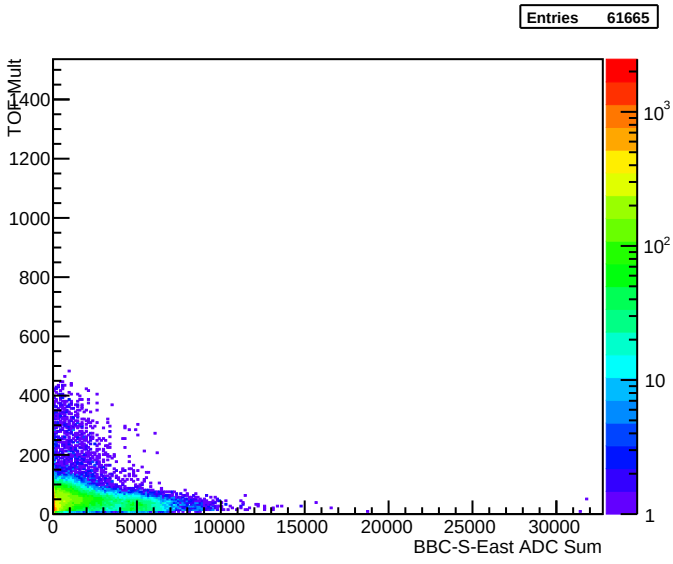

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

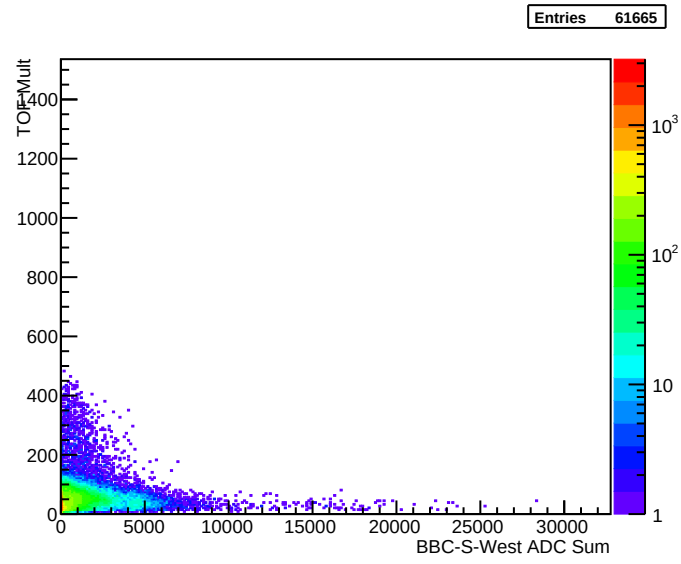

VT201 Input Ch4: VPD Tac Diff
Entries 61665
Tac

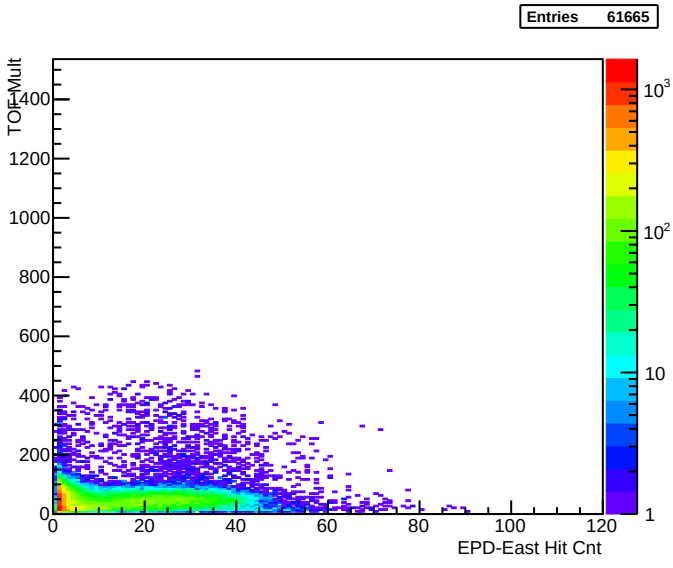

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

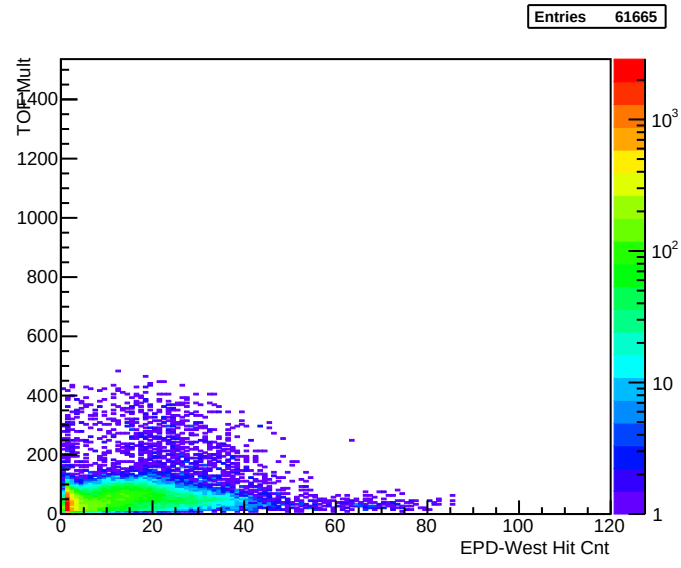

VT201 Input Ch4: VPD Adc Sum Th
Entries 123330
19576
17263
42089
44402
East
West

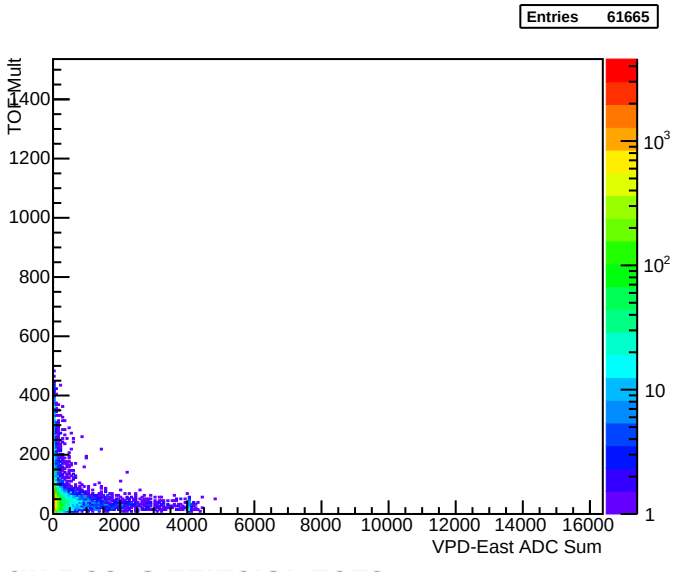

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

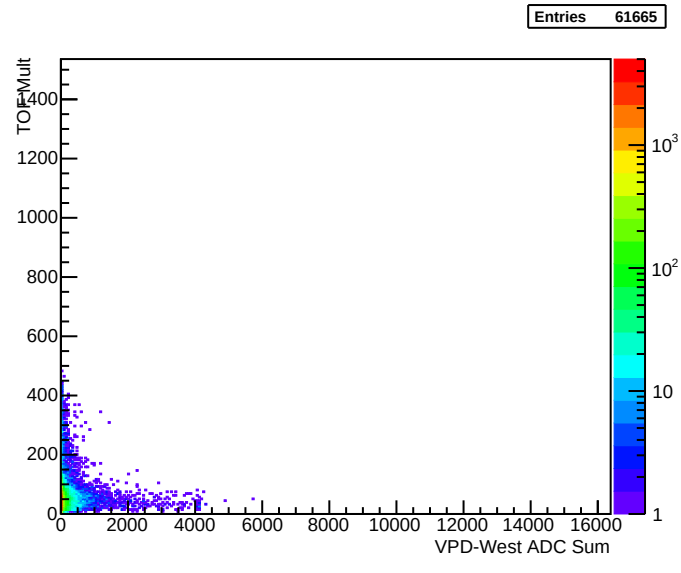

Entries 61665
TOF-Mult
BBC-S-East ADC Sum

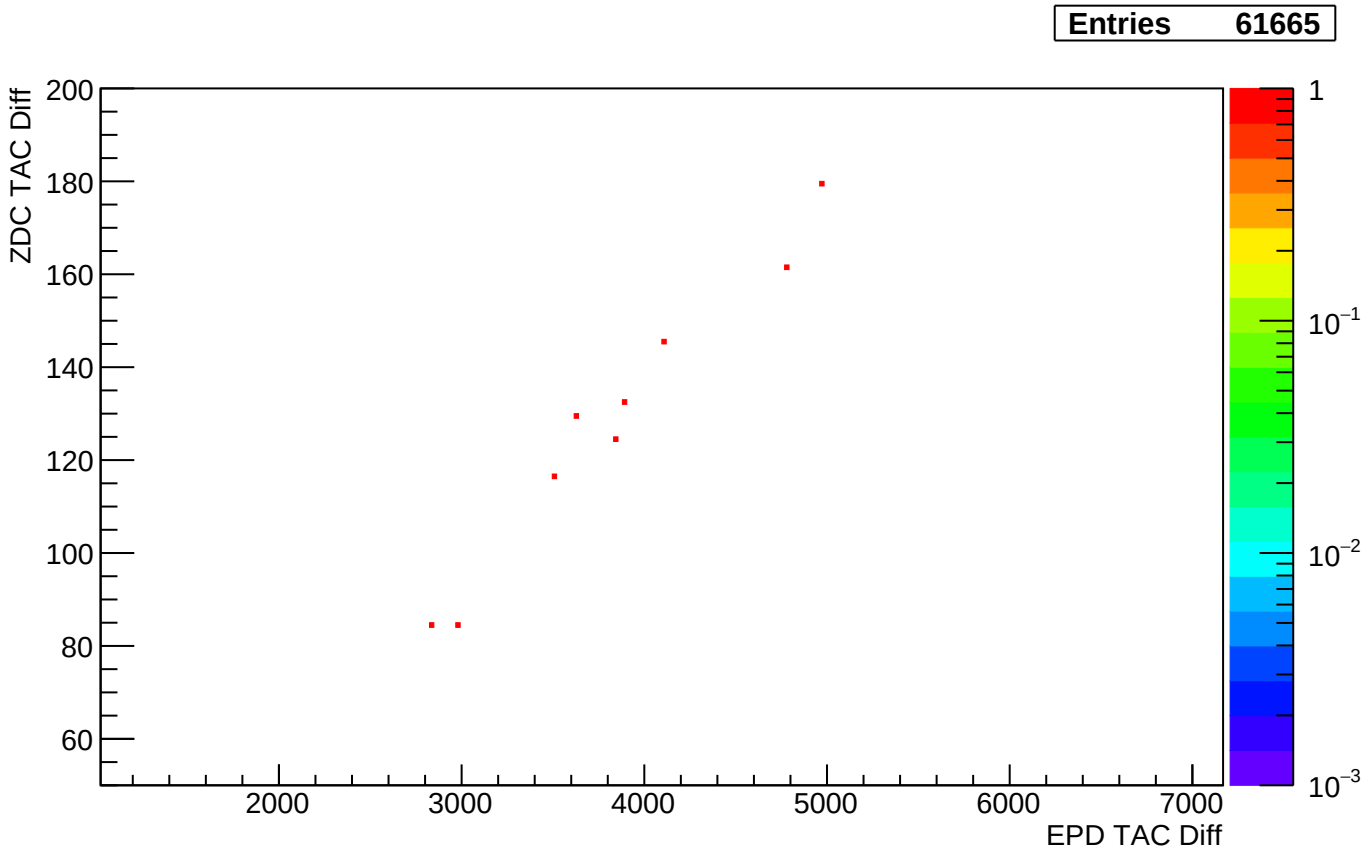

Entries 61665
TOF-Mult
BBC-S-West ADC Sum

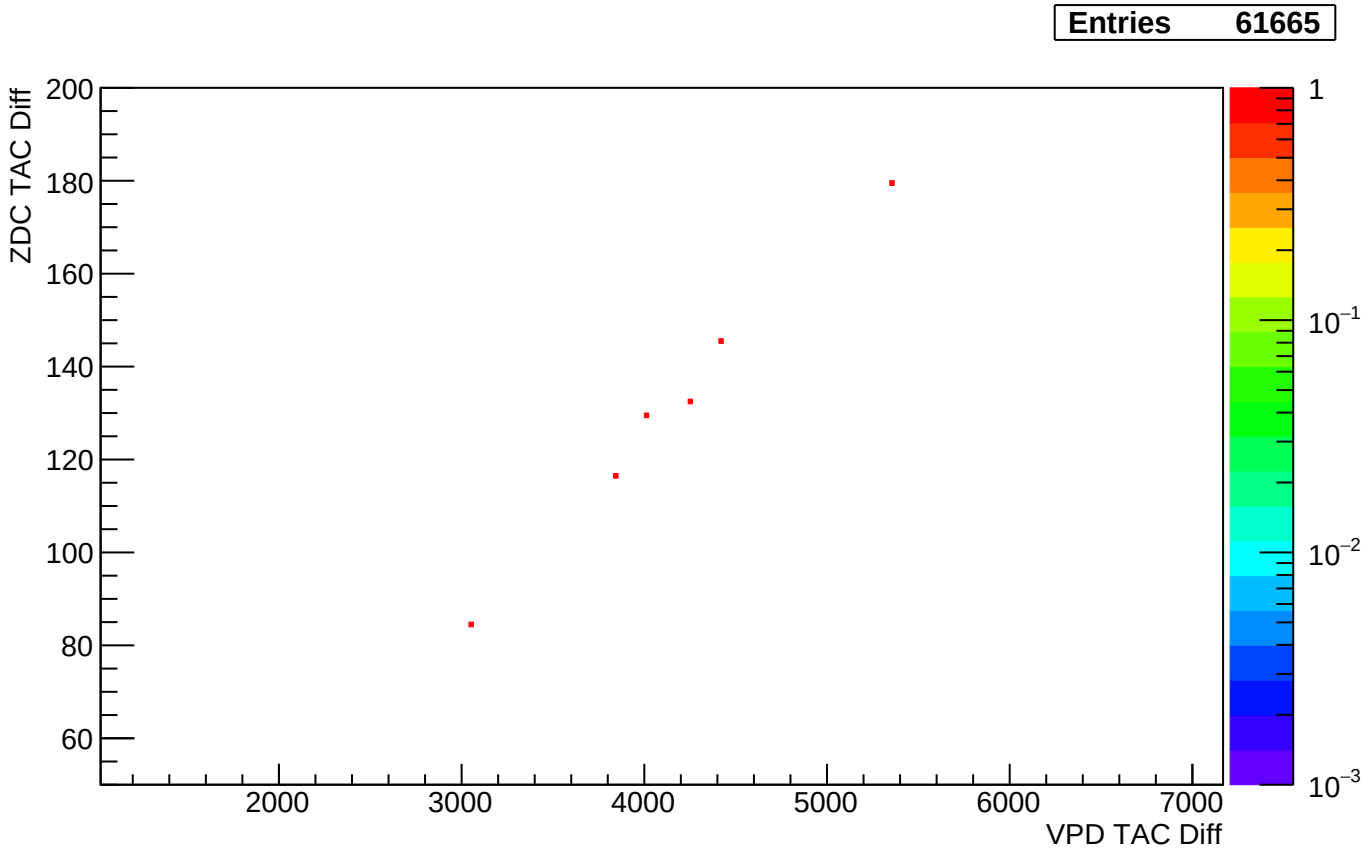

Entries 61665
TOF-Mult
EPD-East Hit Cnt

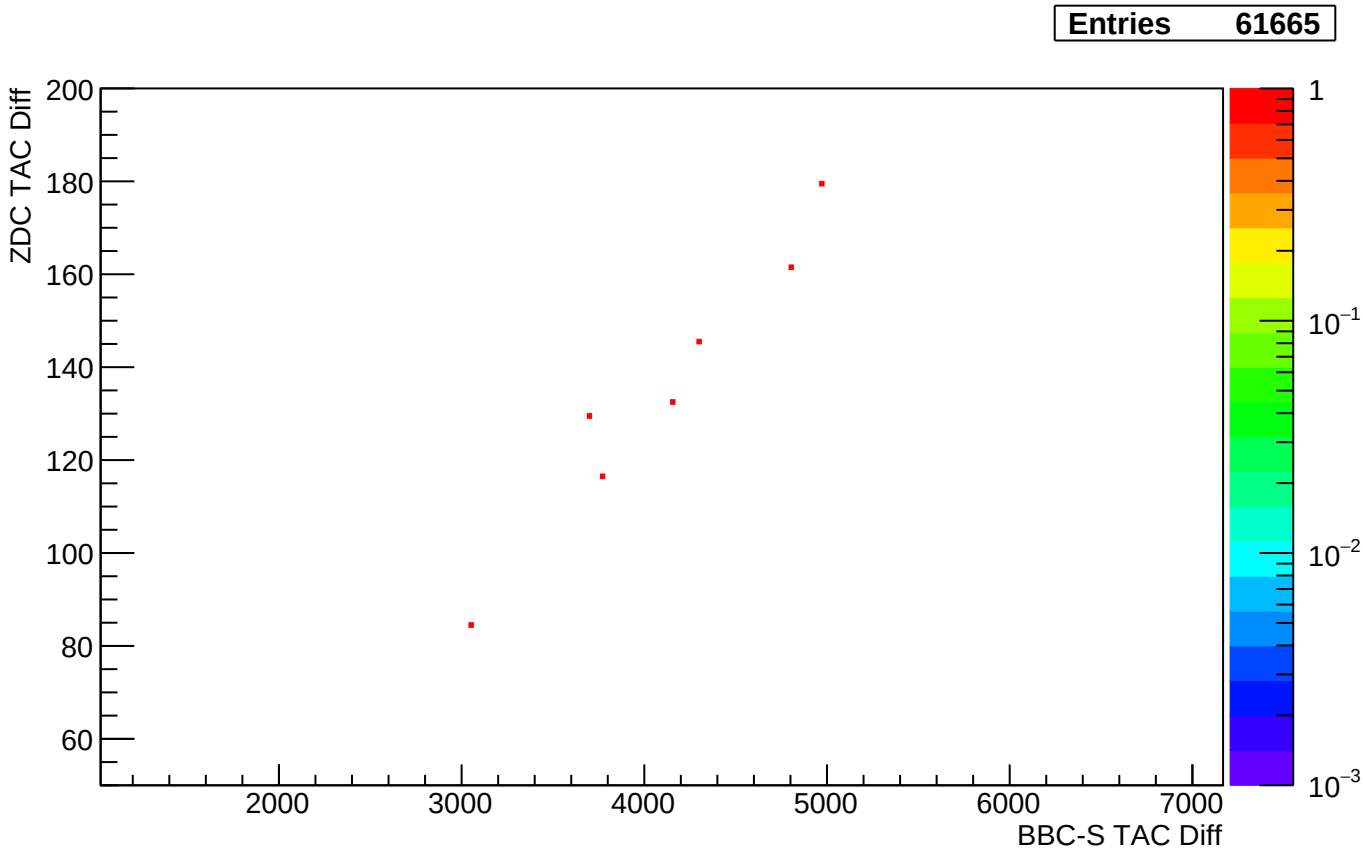

Entries 61665
TOF-Mult
EPD-West Hit Cnt

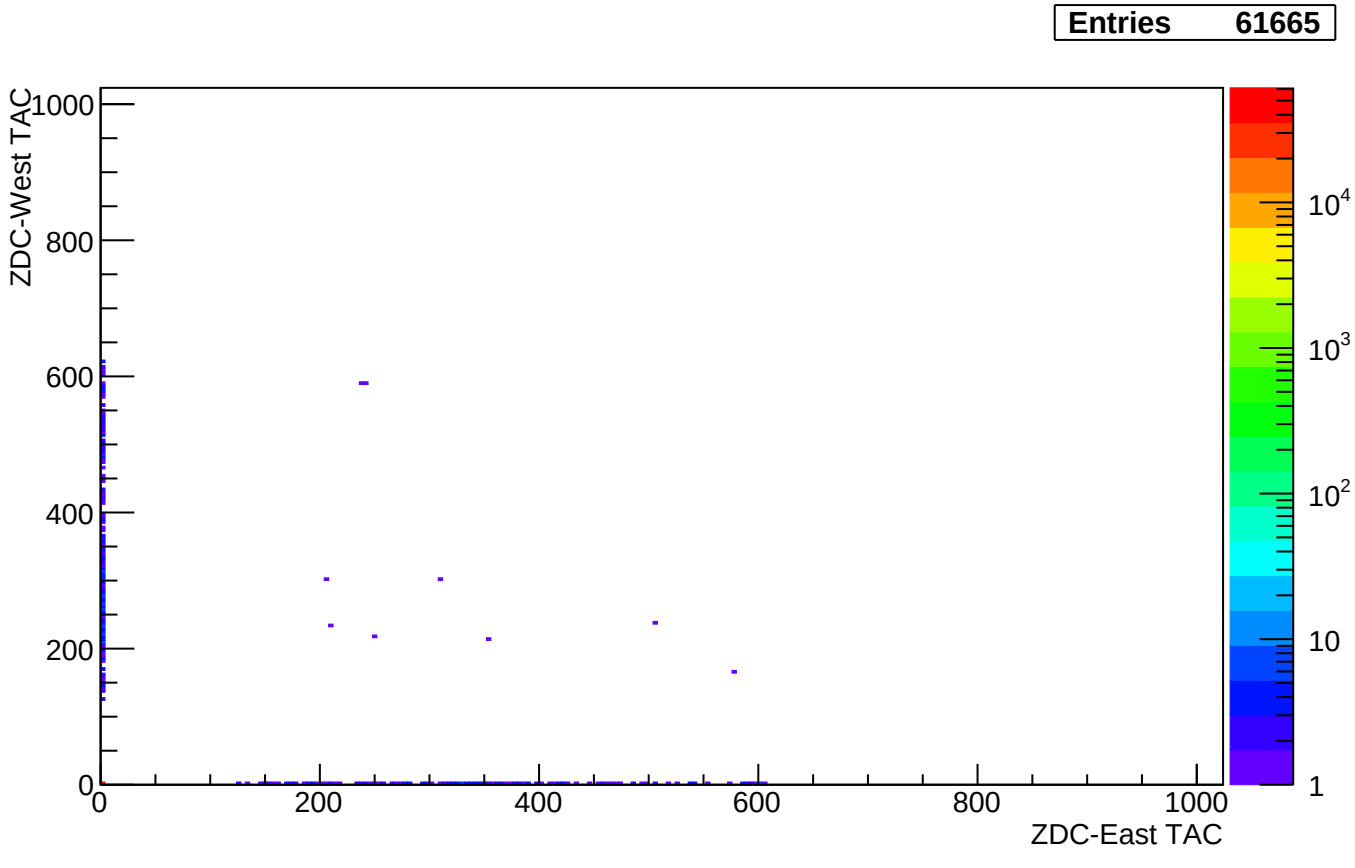

Entries 61665
TOF-Mult
VPD-East ADC Sum

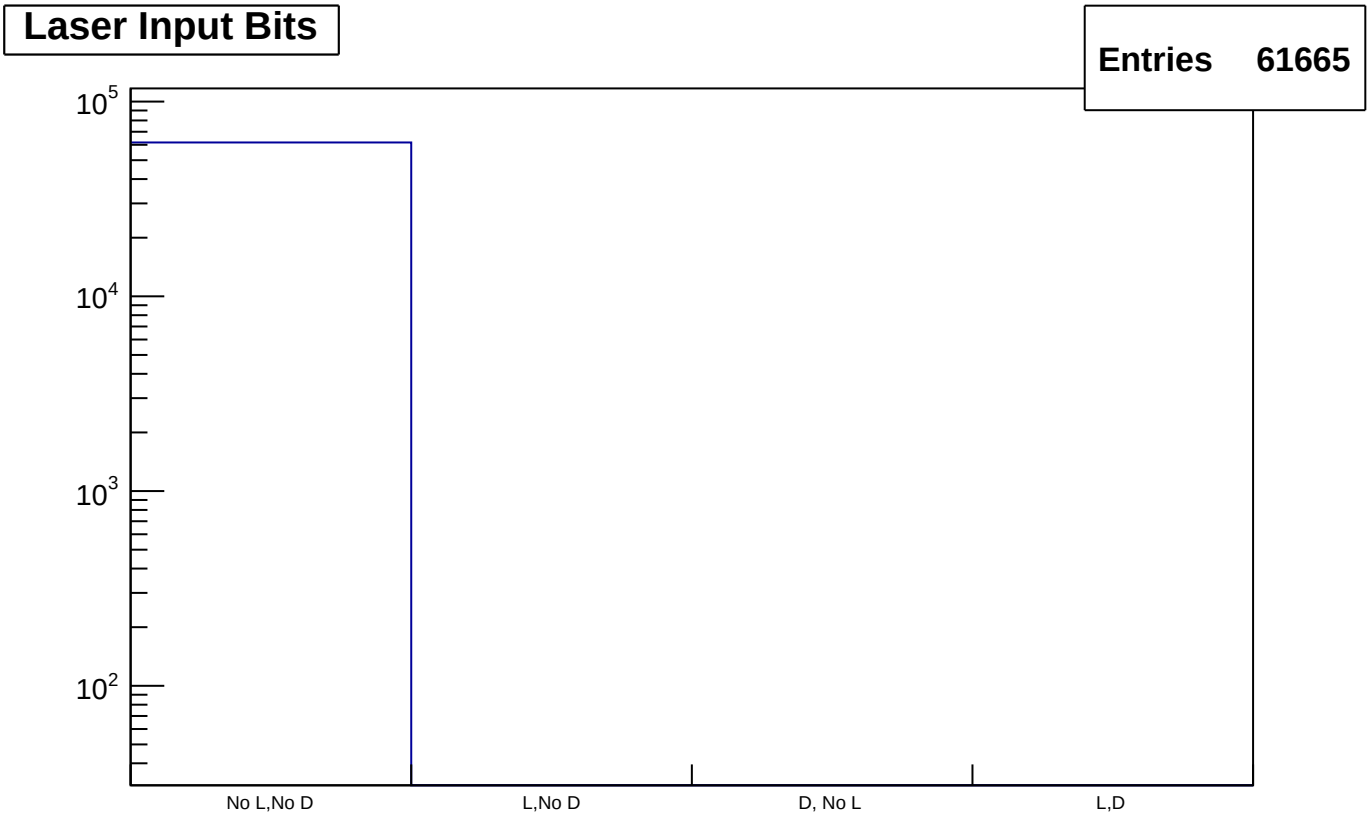

Entries 61665
TOF-Mult
VPD-West ADC Sum

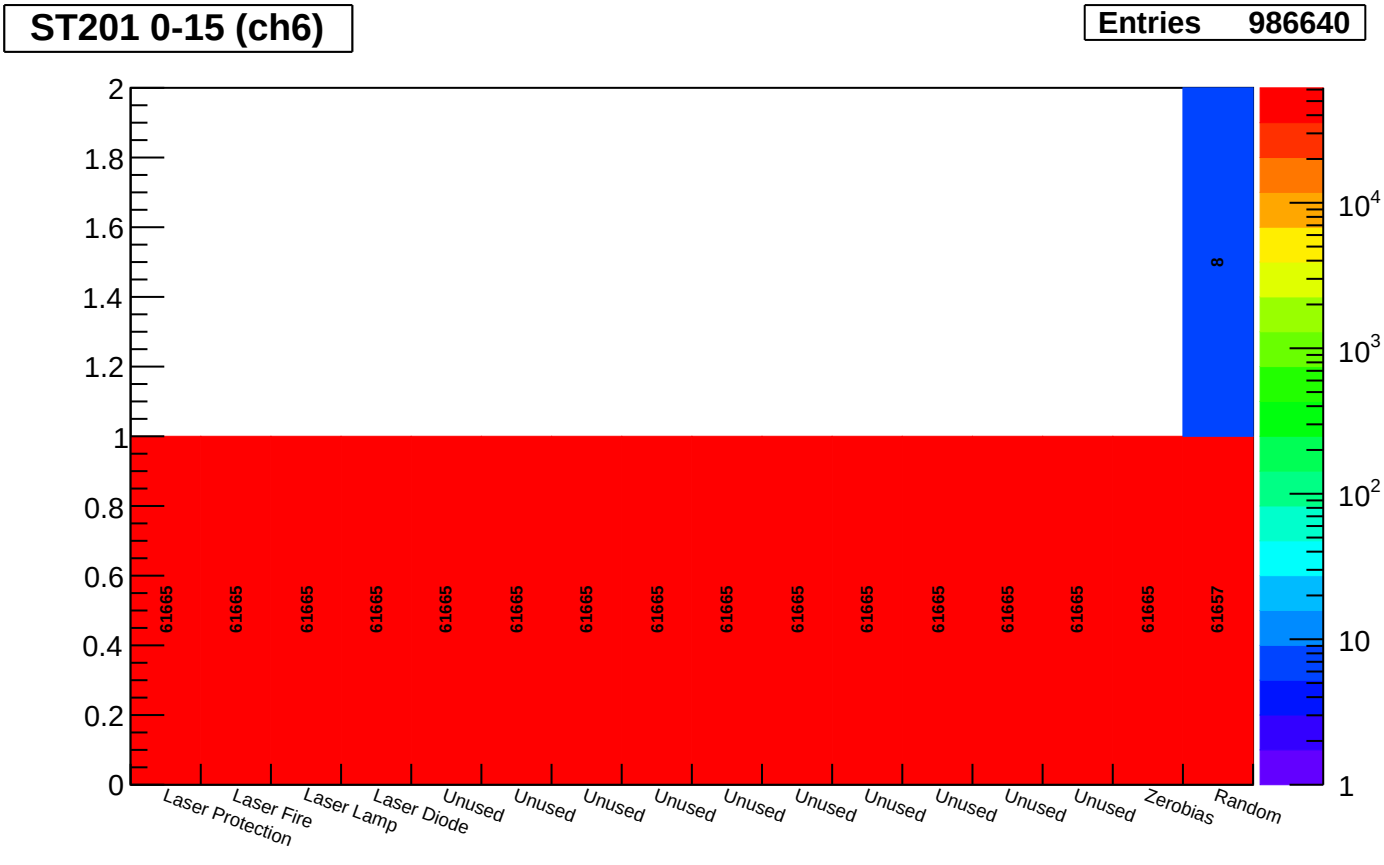

Entries 61665
ZDC TAC Diff
EPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

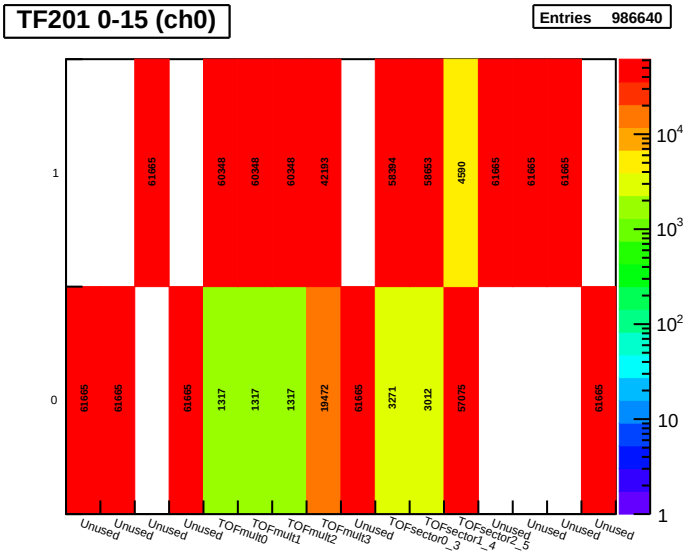

Entries 61665
ZDC TAC Diff
VPD TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

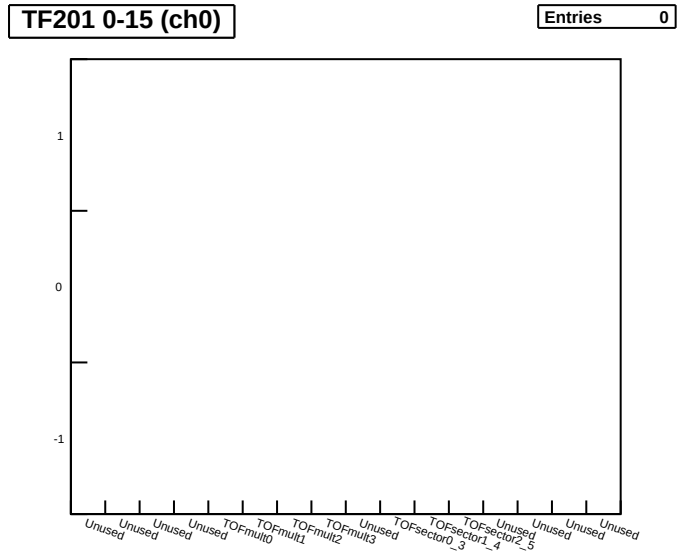

Entries 61665
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}
10^{-3}

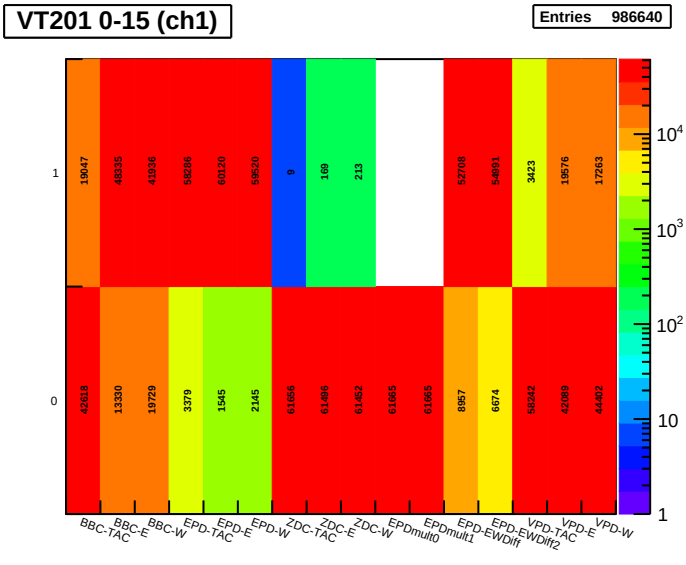

Entries 61665
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

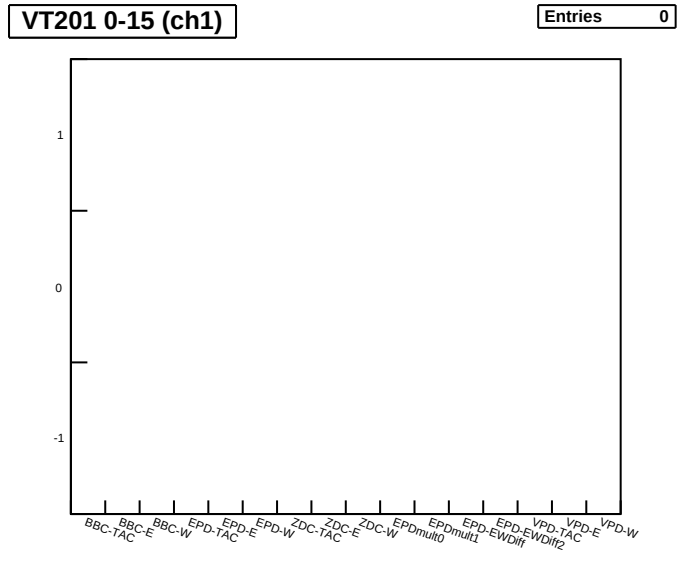

Laser Input Bits
Entries 61665
10^5
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

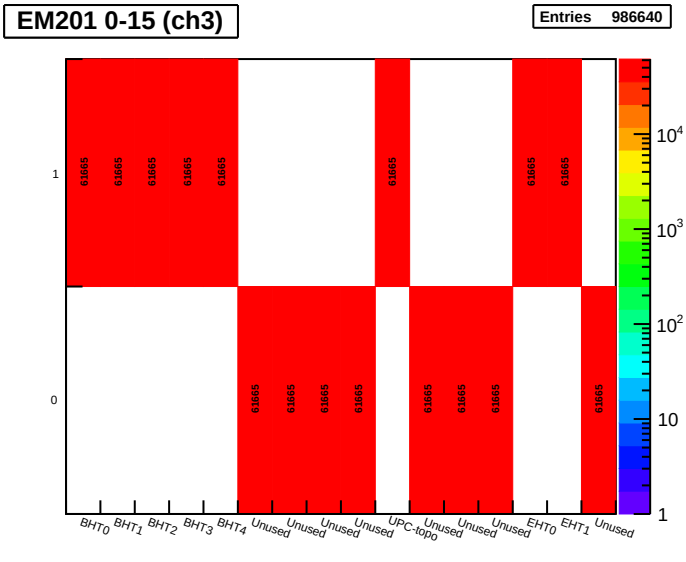

ST201 0-15 (ch6)
Entries 986640
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
61665
61657
8
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

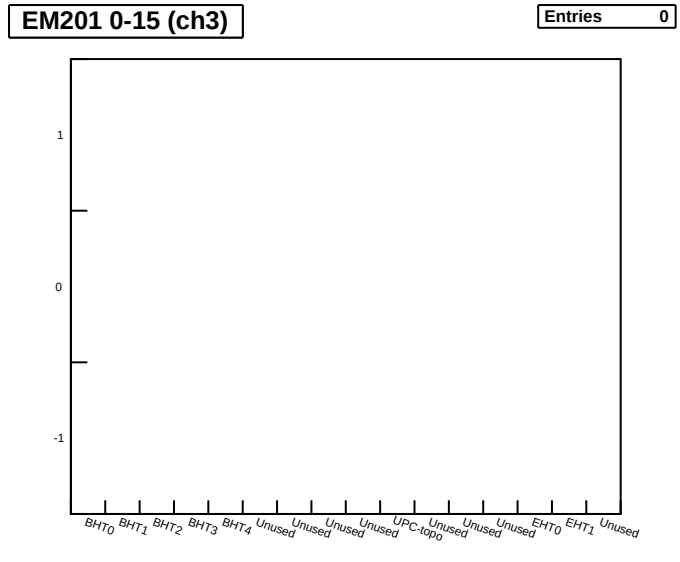

TF201 0-15 (ch0)
Entries 986640
1
0
61665
60348
60348
60348
42193
58394
58653
4990
61665
61665
61665
61665
61665
61665
1317
1317
1317
19472
61665
3271
3012
57075
61665
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 986640
1
0
19047
48335
41936
52286
60120
58520
9
169
213
52708
54991
3423
19576
17263
42618
13330
19729
3379
1545
2145
61656
61496
61452
61665
61665
8957
6674
58242
42089
44402
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
10^4
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 986640
1
0
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
61665
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
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