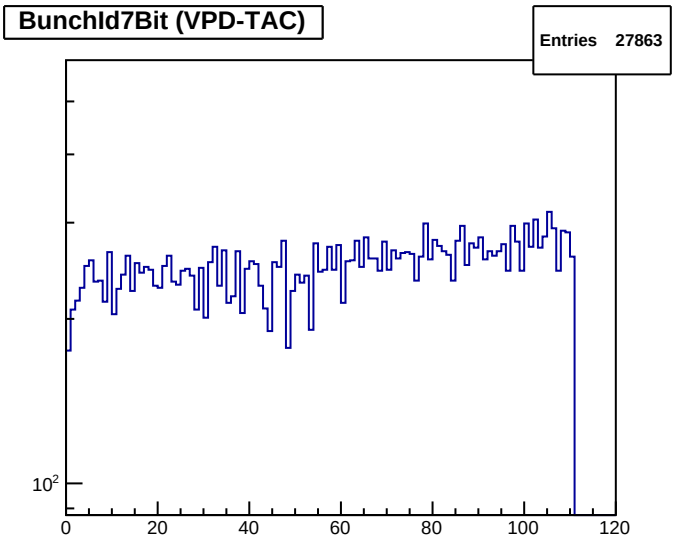
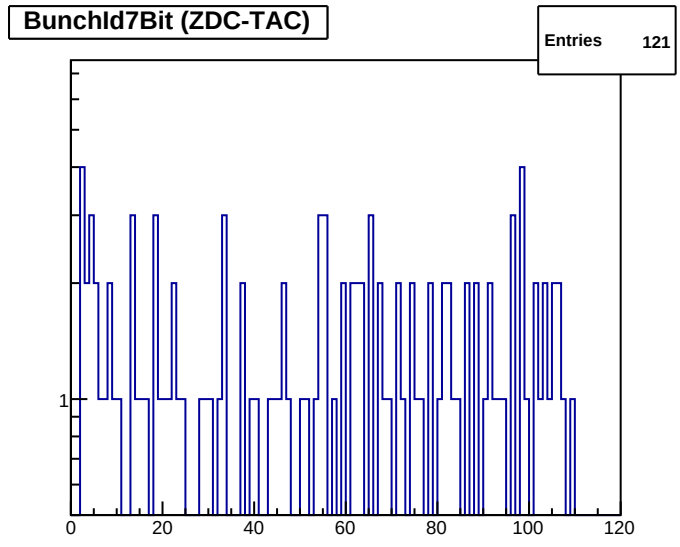
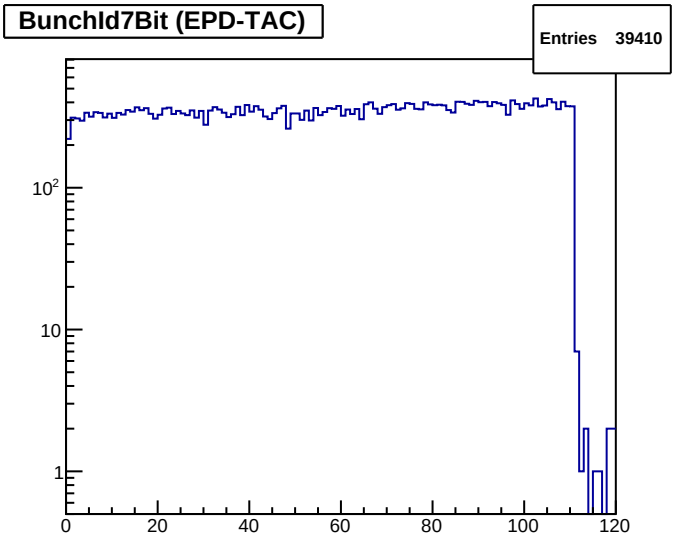
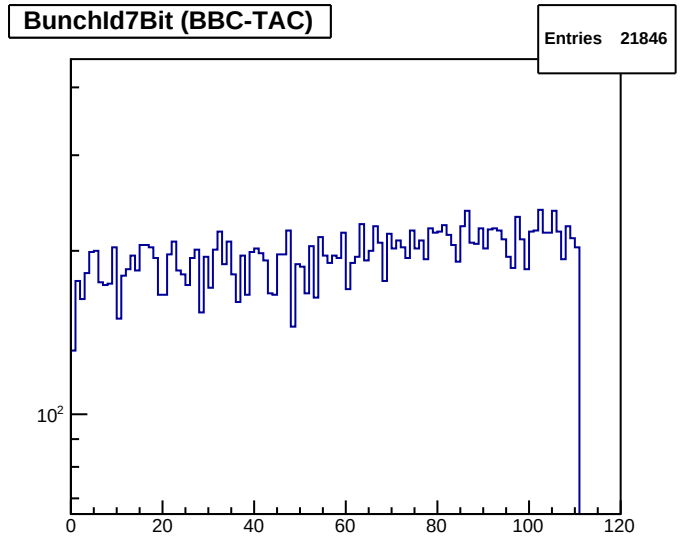
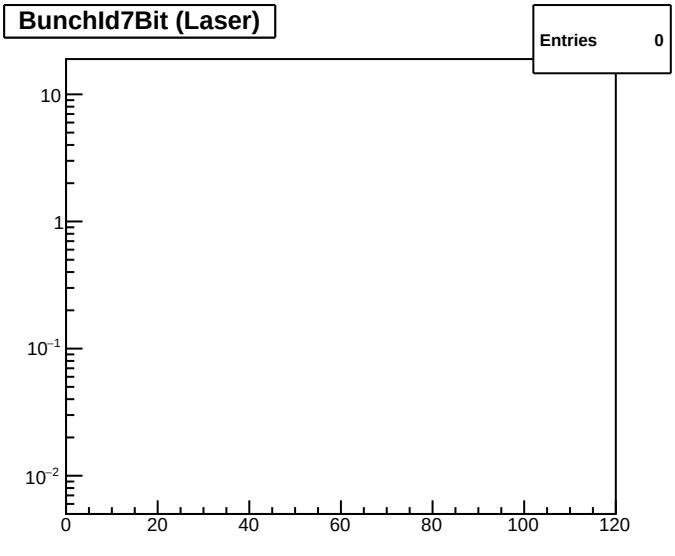
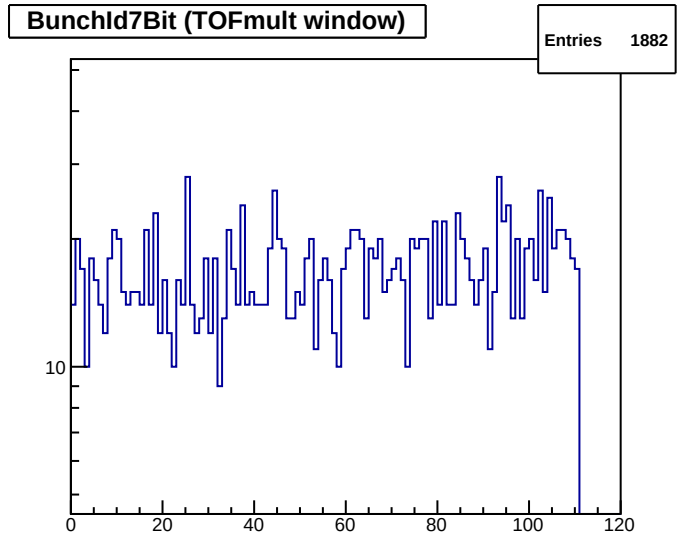

BunchId7Bit (VPD-TAC)
Entries 27863
10^2
0 20 40 60 80 100 120

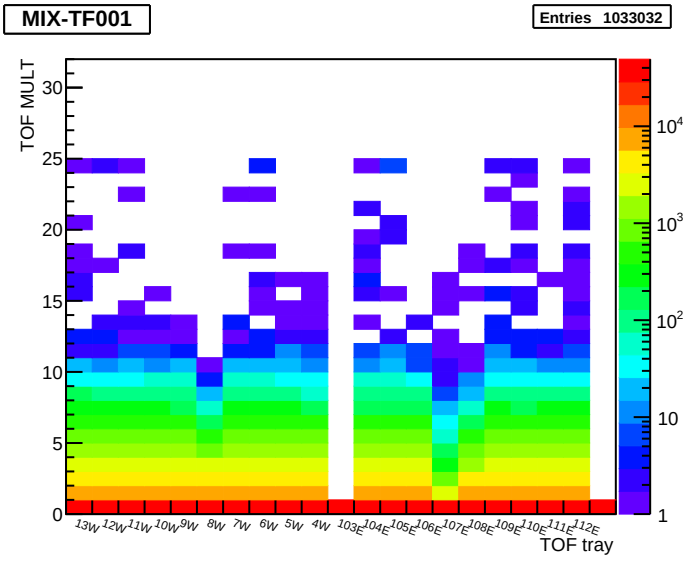

BunchId7Bit (ZDC-TAC)
Entries 121
1
0 20 40 60 80 100 120

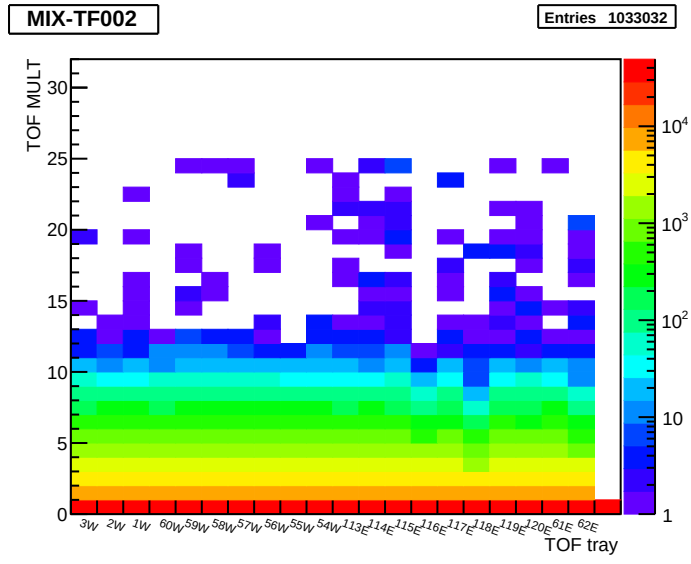

BunchId7Bit (EPD-TAC)
Entries 39410
10^2
10
1
0 20 40 60 80 100 120

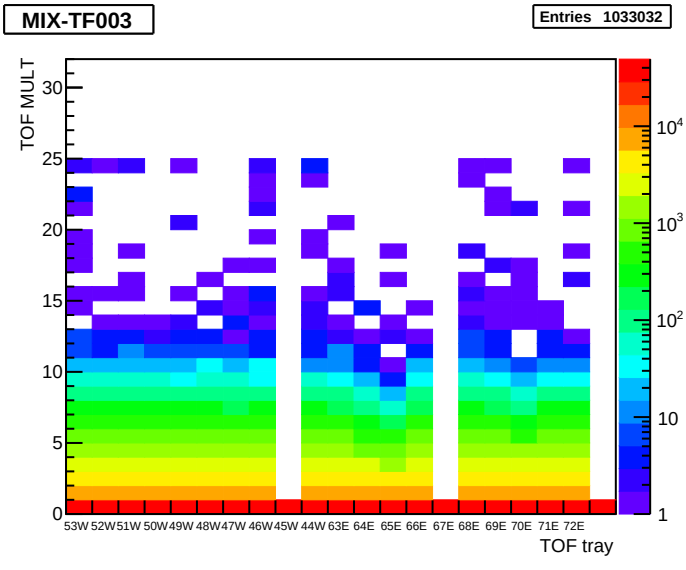

BunchId7Bit (BBC-TAC)
Entries 21846
10^2
0 20 40 60 80 100 120

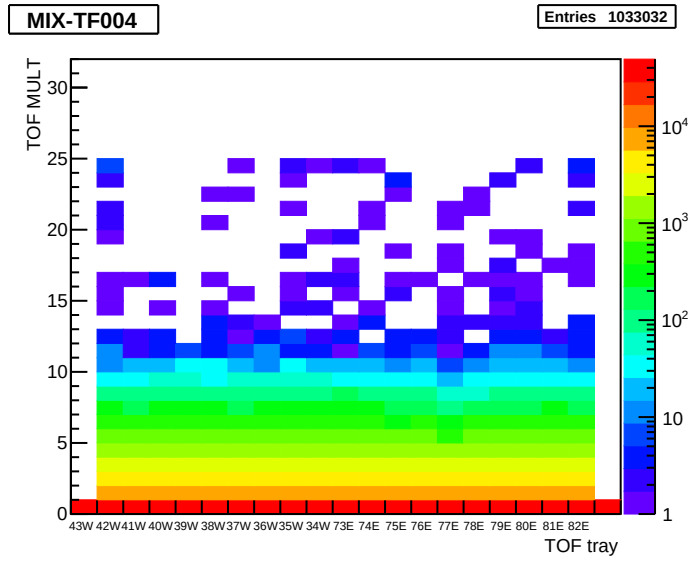

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0 20 40 60 80 100 120

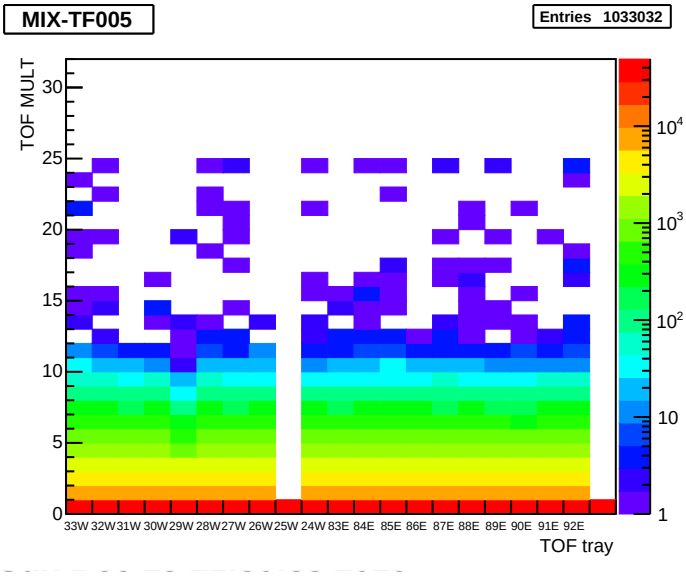

BunchId7Bit (TOFmult window)
Entries 1882
10
0 20 40 60 80 100 120

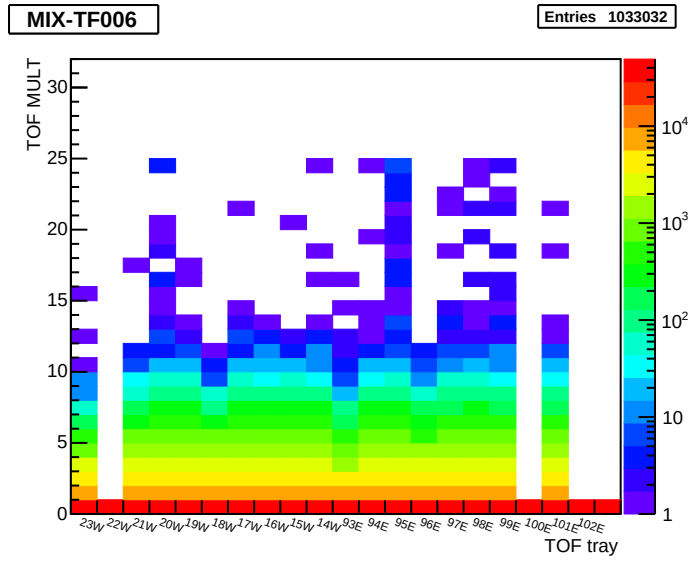

MIX-TF001
Entries 1033032
TOF MULT
TOF tray

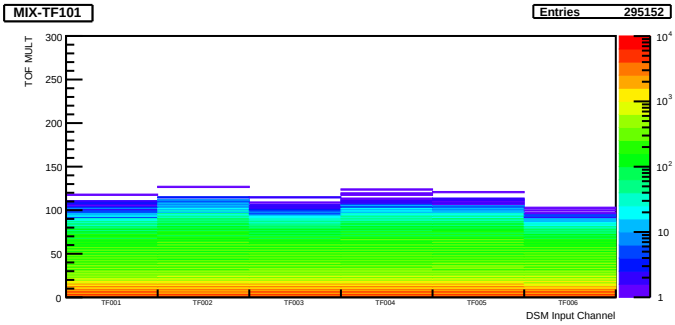

MIX-TF002
Entries 1033032
TOF MULT
TOF tray

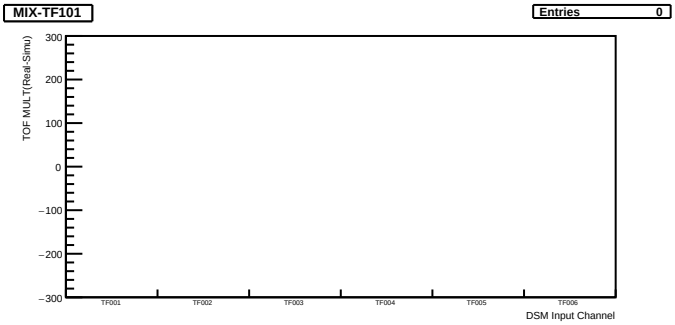

MIX-TF003
Entries 1033032
TOF MULT
TOF tray

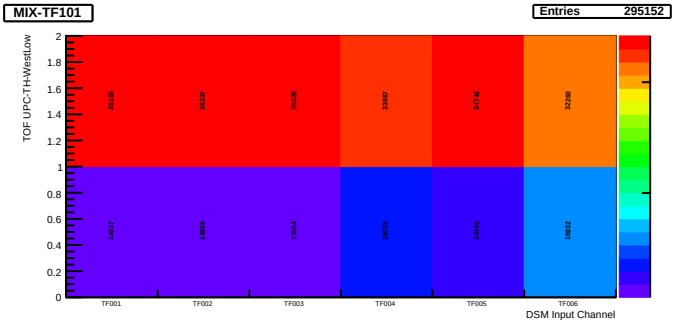

MIX-TF004
Entries 1033032
TOF MULT
TOF tray

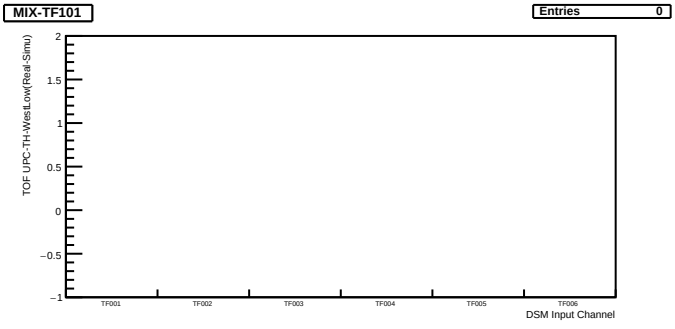

MIX-TF005
Entries 1033032
TOF MULT
TOF tray

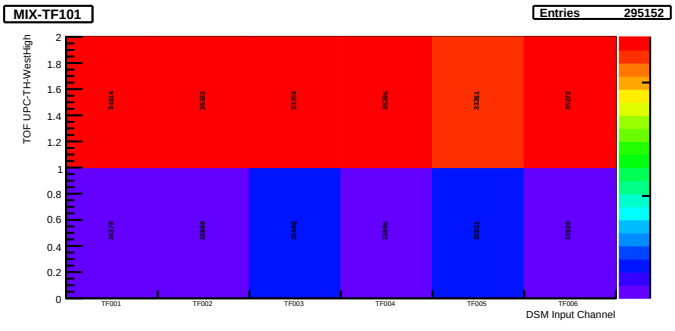

MIX-TF006
Entries 1033032
TOF MULT
TOF tray

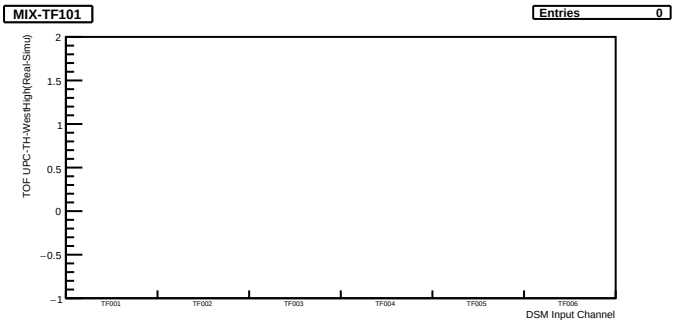

MIX-TF101
Entries 295152
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

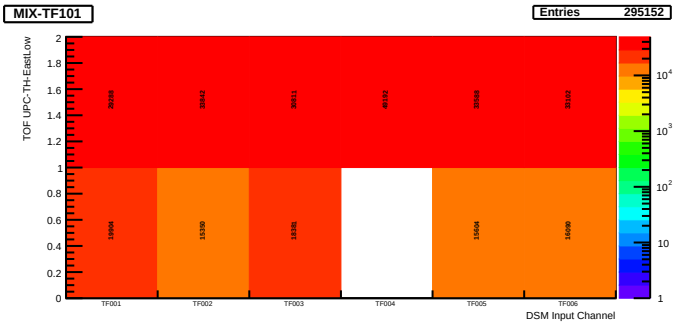

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

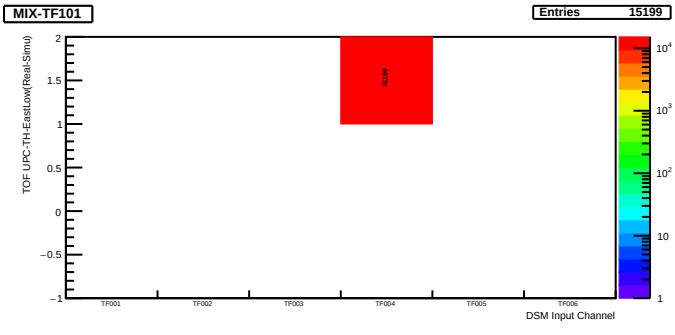

MIX-TF101
Entries 295152
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

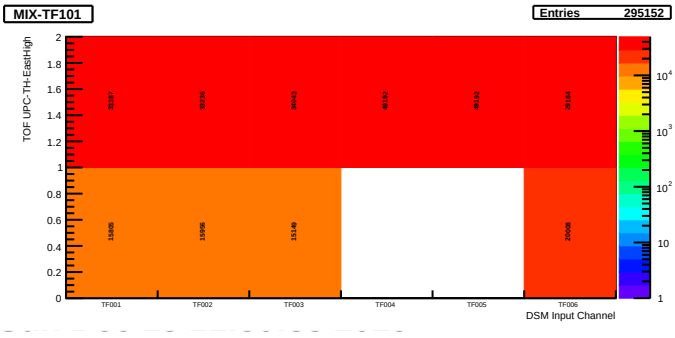

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

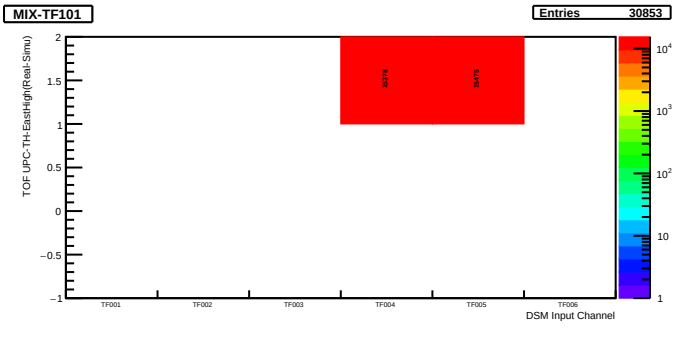

MIX-TF101
Entries 295152
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

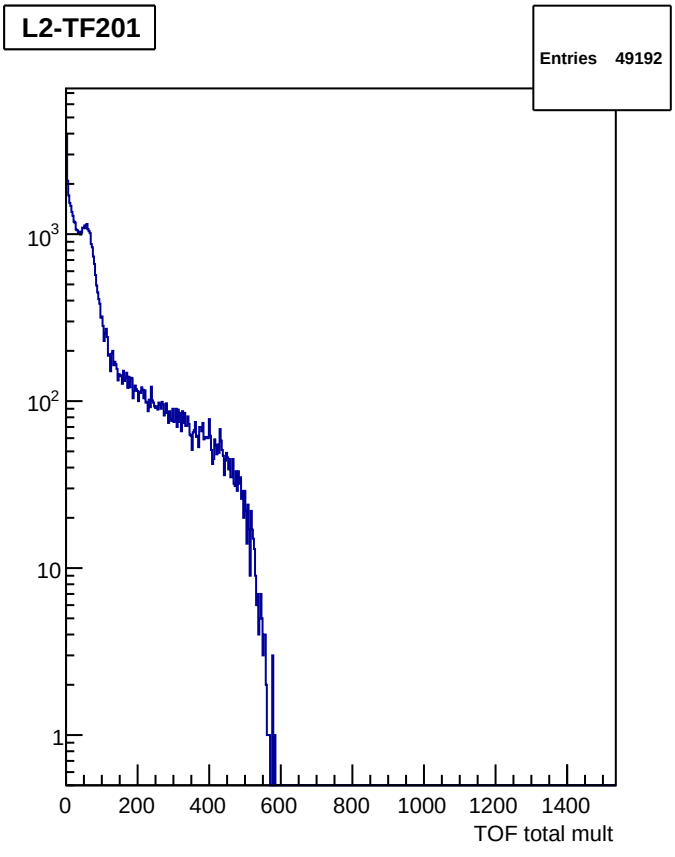

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

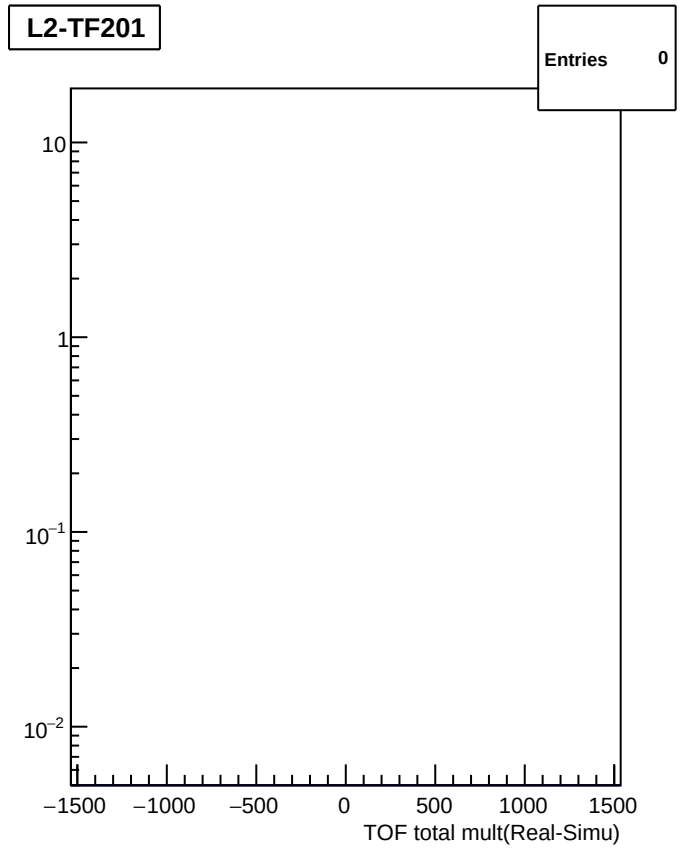

MIX-TF101
Entries 295152
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

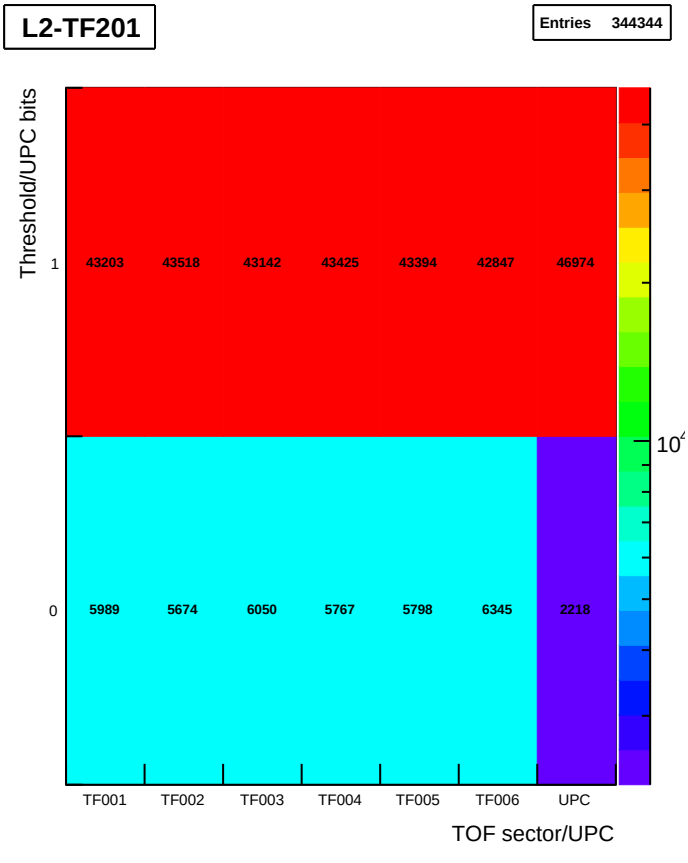

MIX-TF101
Entries 15199
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

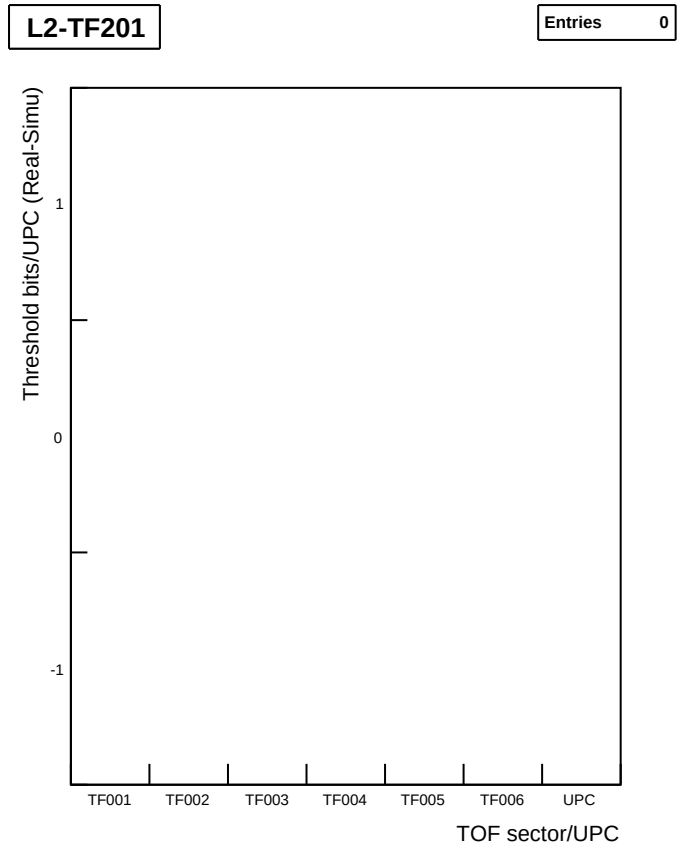

MIX-TF101
Entries 295152
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

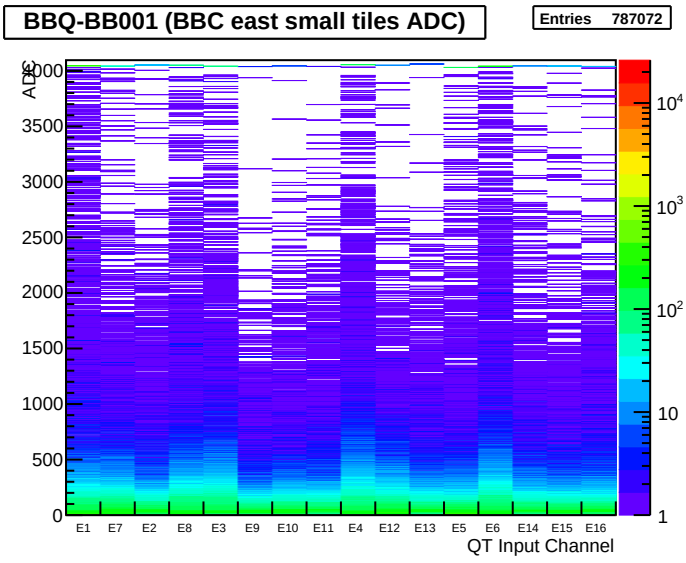

MIX-TF101
Entries 30853
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

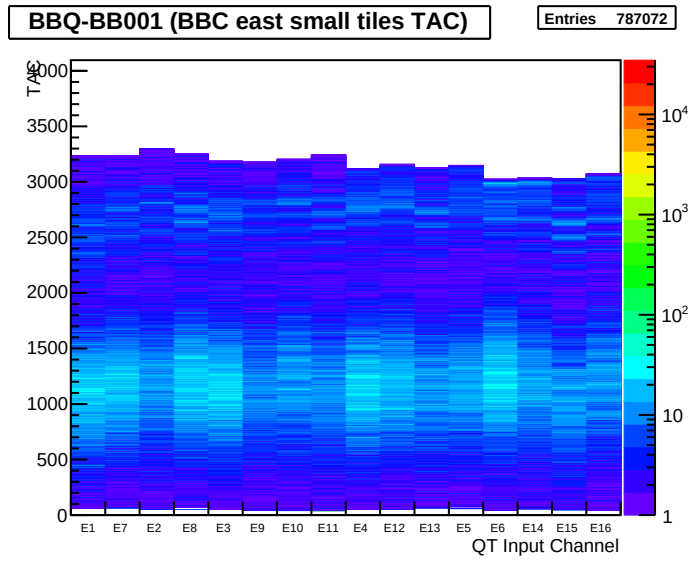

L2-TF201
Entries 49192
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

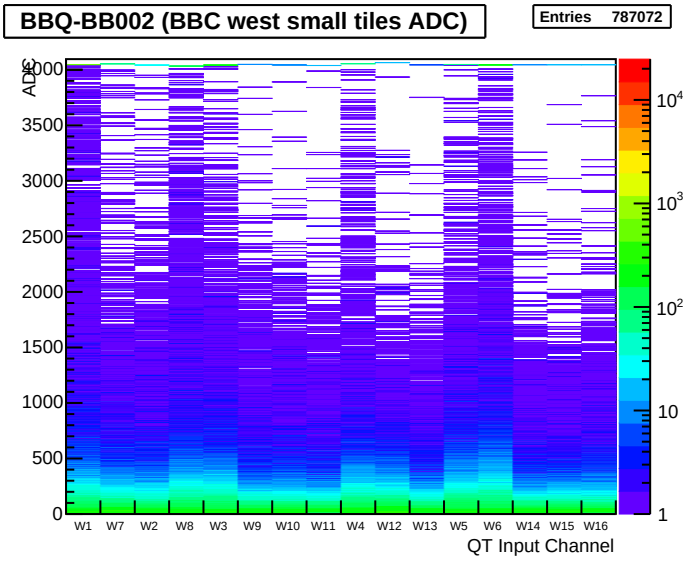

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

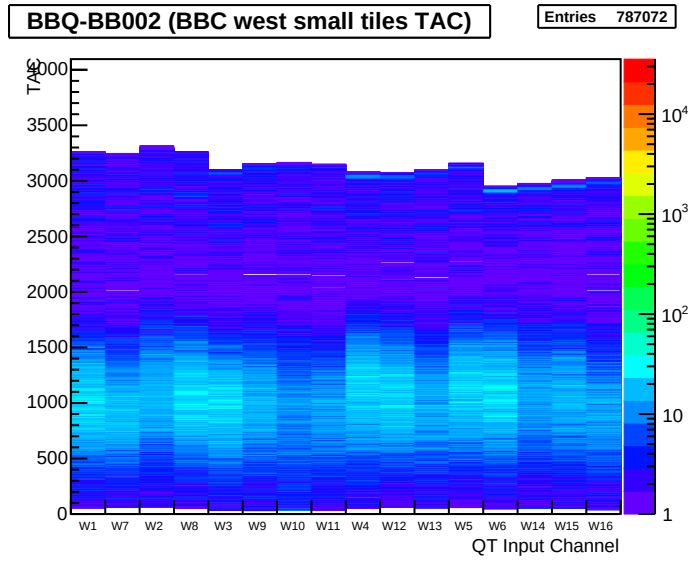

L2-TF201
Entries 344344
Threshold/UPC bits
1
0
43203
43518
43142
43425
43394
42847
46974
5989
5674
6050
5767
5798
6345
2218
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

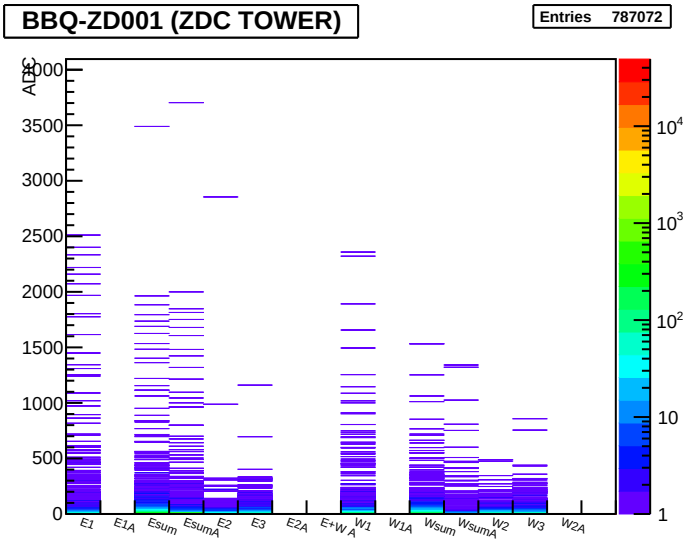

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

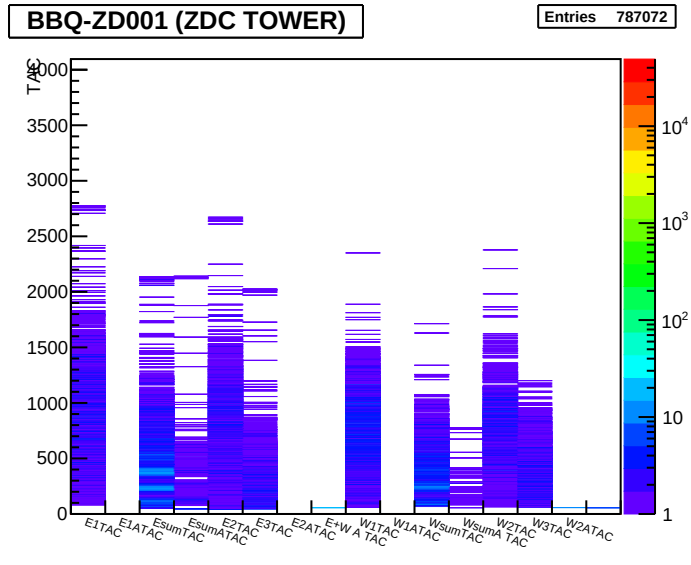

BBQ-BB001 (BBC east small tiles ADC)
Entries 787072
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

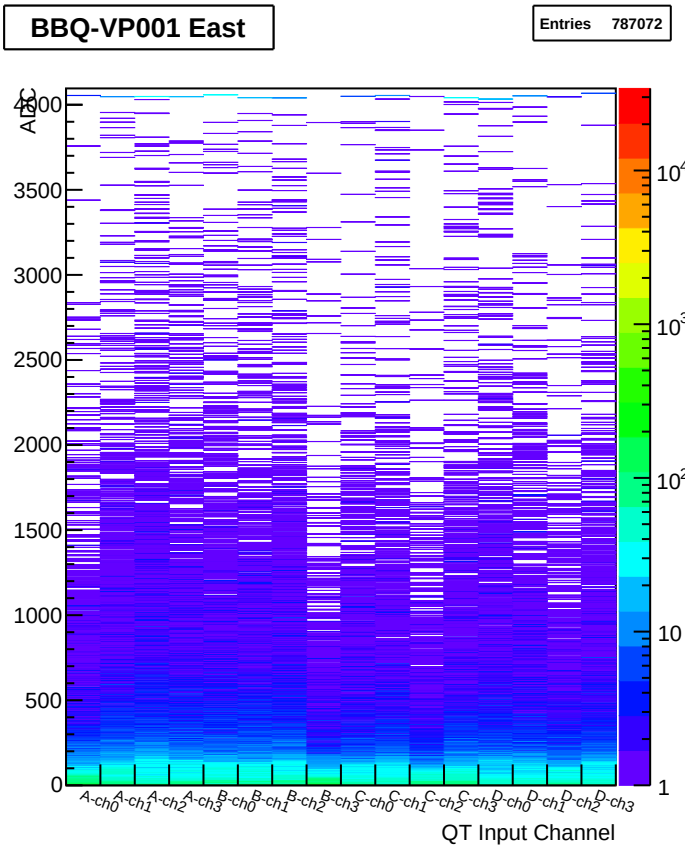

BBQ-BB001 (BBC east small tiles TAC)
Entries 787072
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

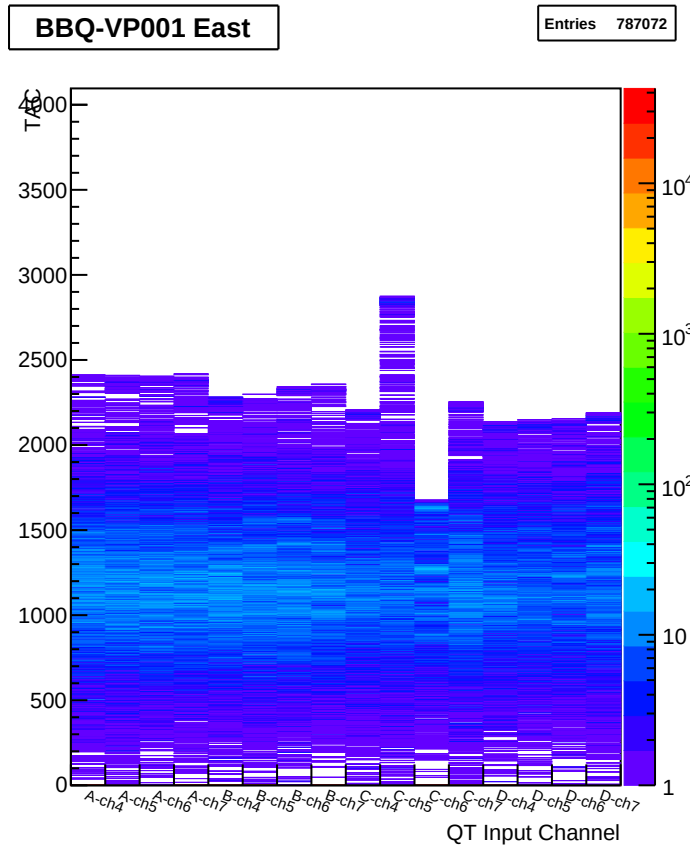

BBQ-BB002 (BBC west small tiles ADC)
Entries 787072
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

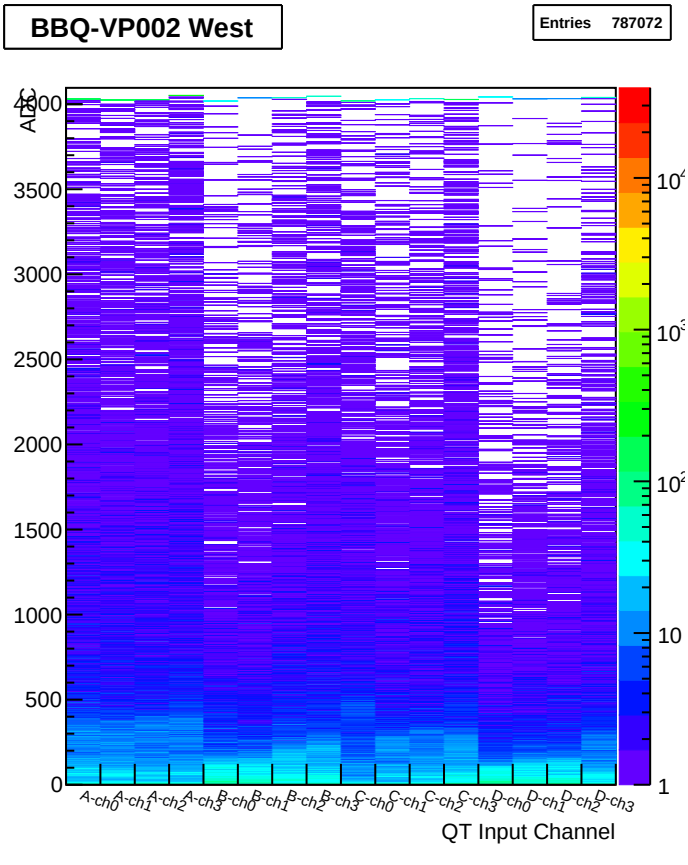

BBQ-BB002 (BBC west small tiles TAC)
Entries 787072
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

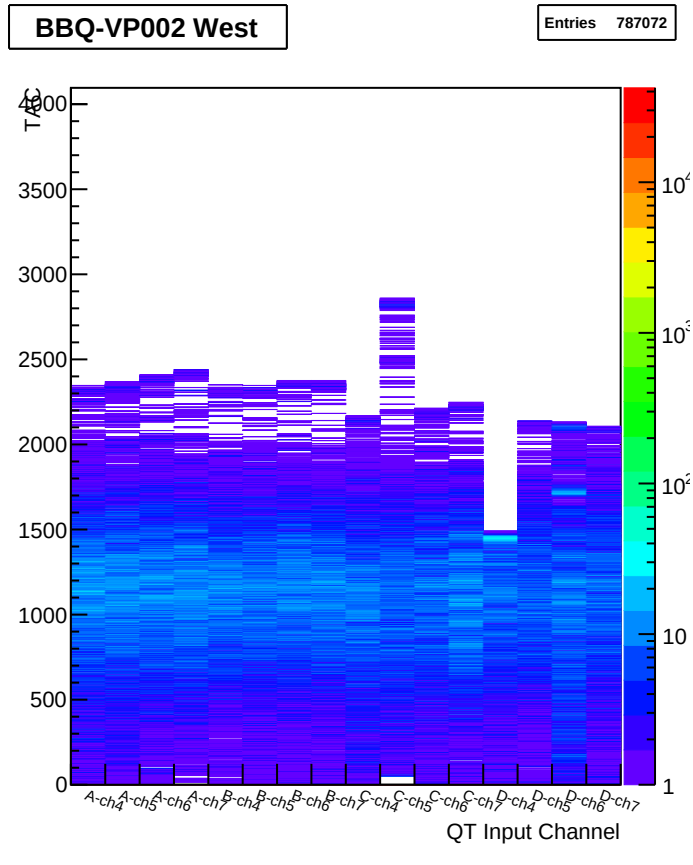

BBQ-ZD001 (ZDC TOWER)
Entries 787072
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

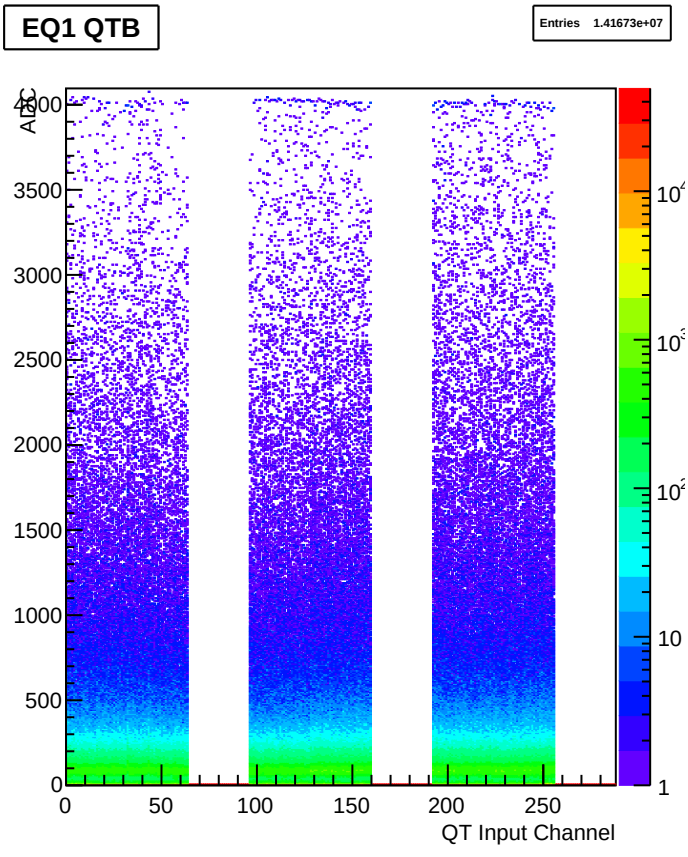

BBQ-ZD001 (ZDC TOWER)
Entries 787072
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

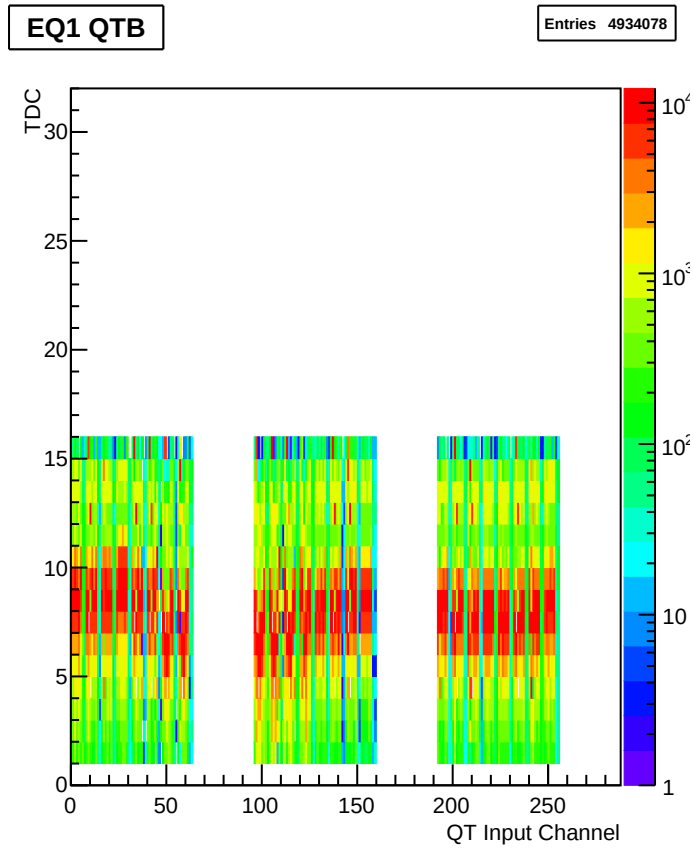

BBQ-VP001 East
Entries 787072
ADC
QT Input Channel

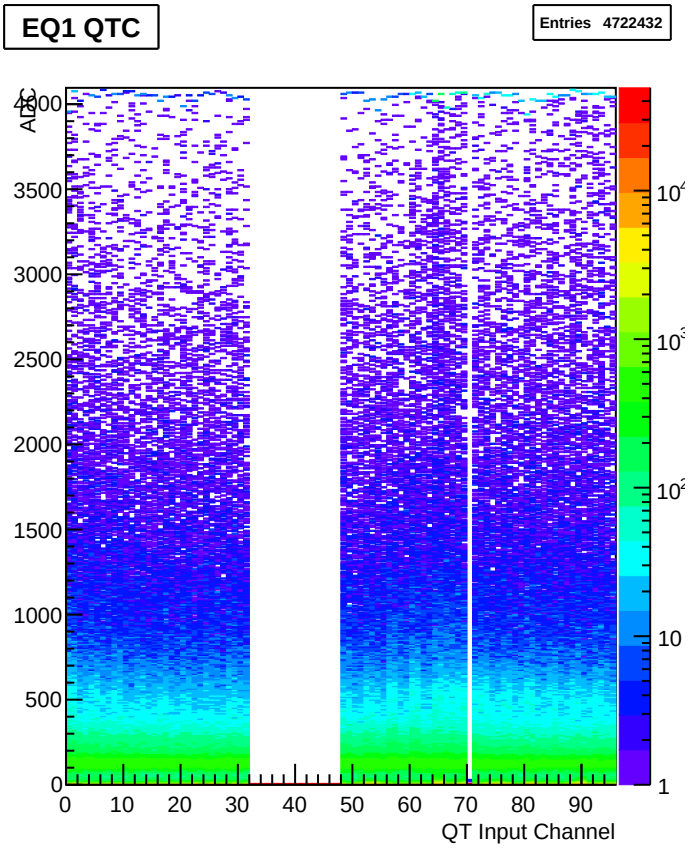

BBQ-VP001 East
Entries 787072
TADC
QT Input Channel

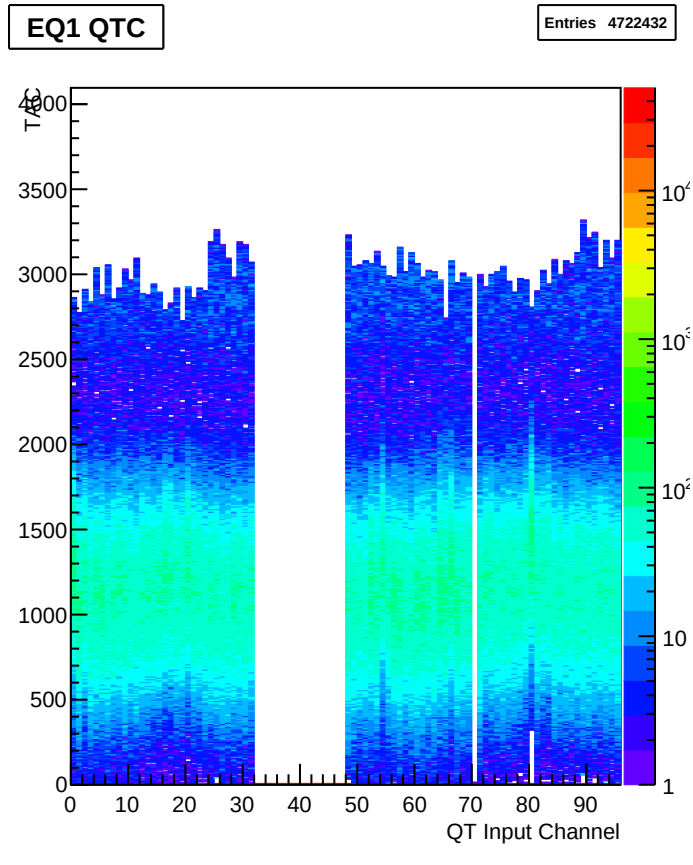

BBQ-VP002 West
Entries 787072
ADC
QT Input Channel

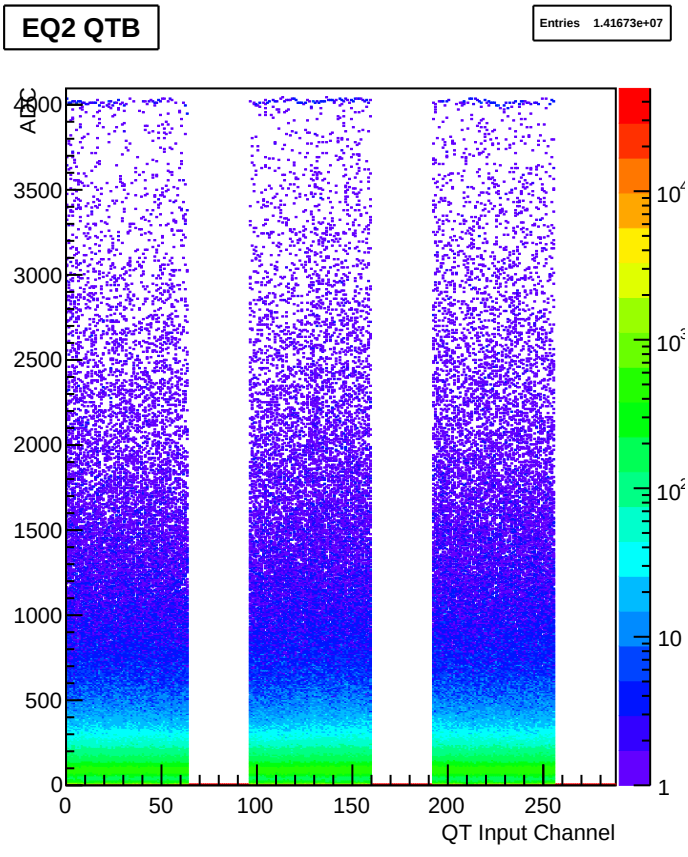

BBQ-VP002 West
Entries 787072
TADC
QT Input Channel

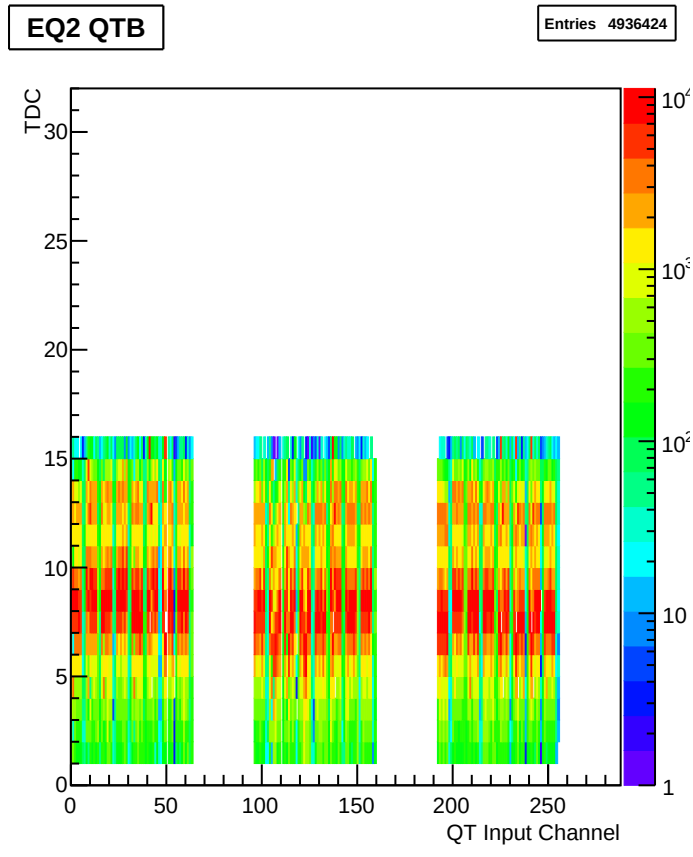

EQ1 QTB
Entries 1.41673e+07
ADC
QT Input Channel

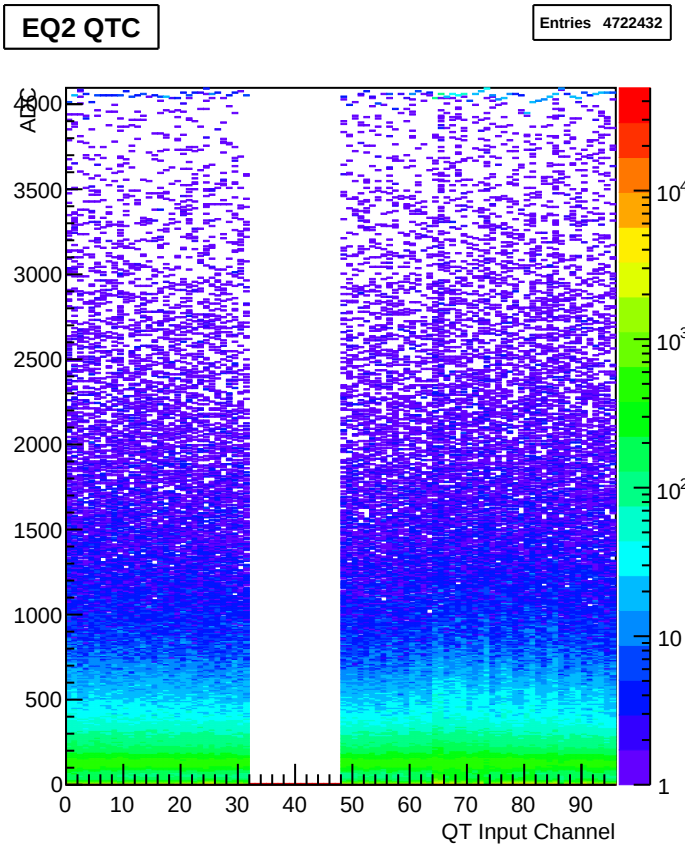

EQ1 QTB
Entries 4934078
TDC
QT Input Channel

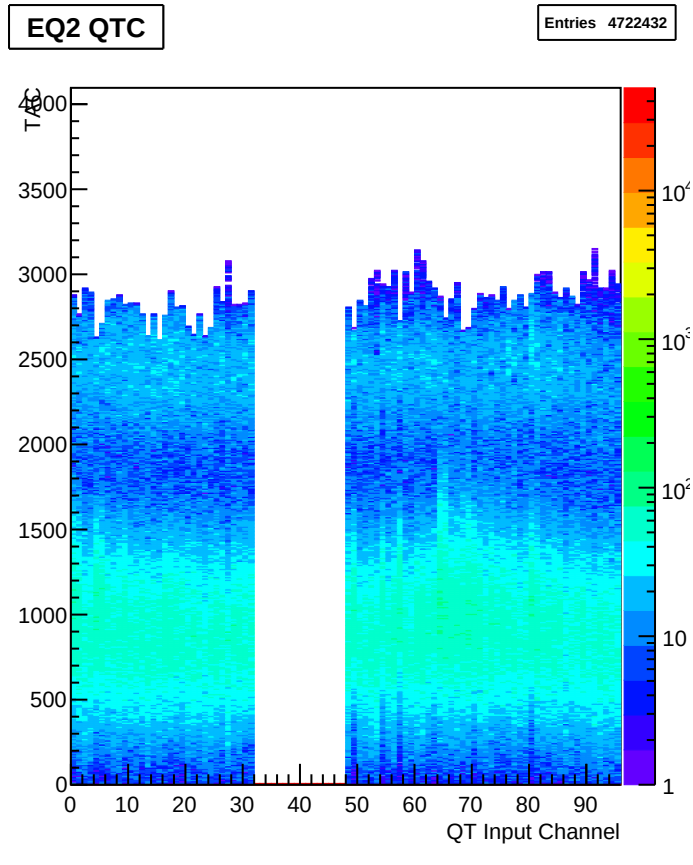

EQ1 QTC
Entries 4722432
ADC
QT Input Channel

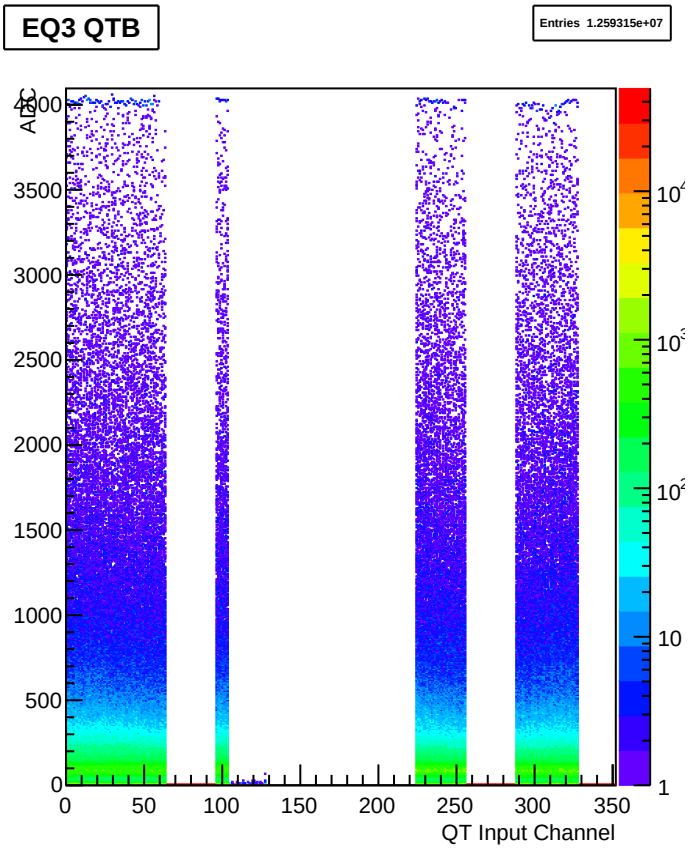

EQ1 QTC
Entries 4722432
TADC
QT Input Channel

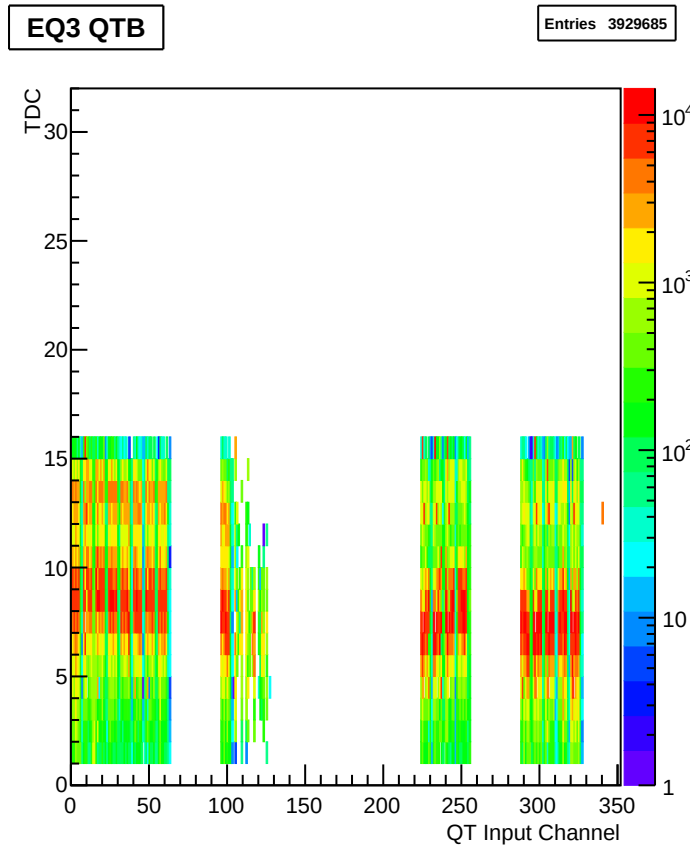

EQ2 QTB
Entries 1.41673e+07
ADC
QT Input Channel

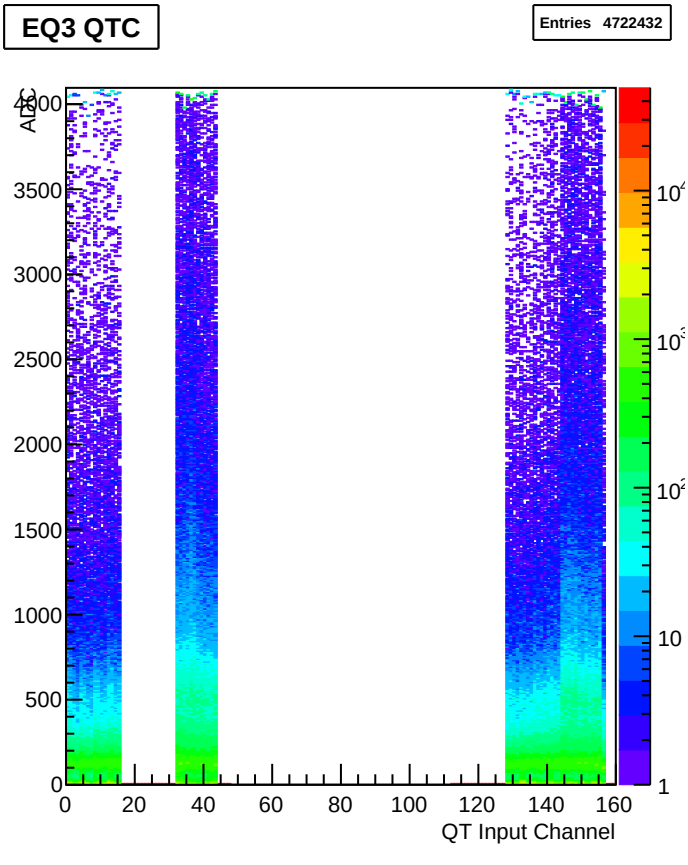

EQ2 QTB
Entries 4936424
TDC
QT Input Channel

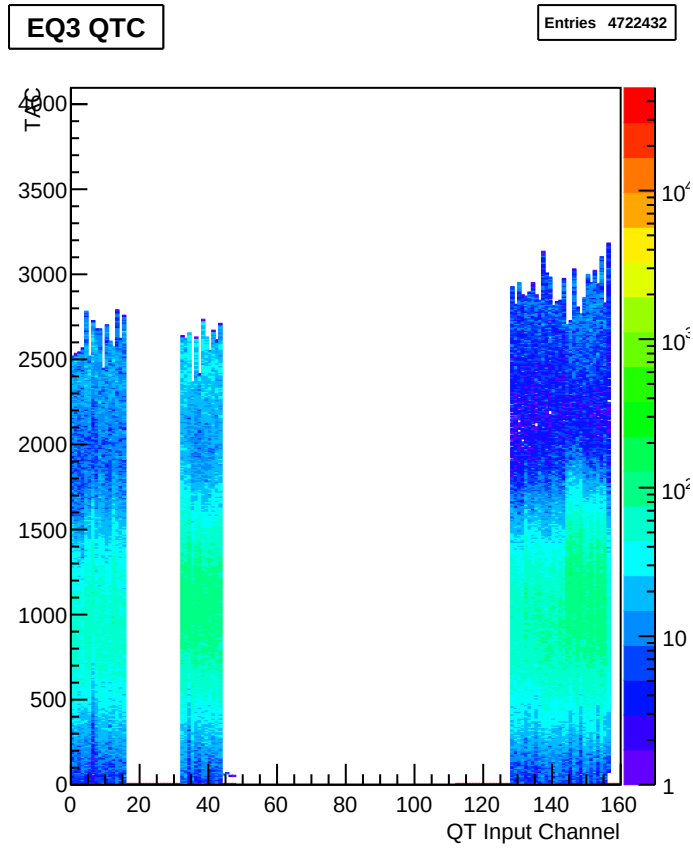

EQ2 QTC
Entries 4722432
ADC
QT Input Channel

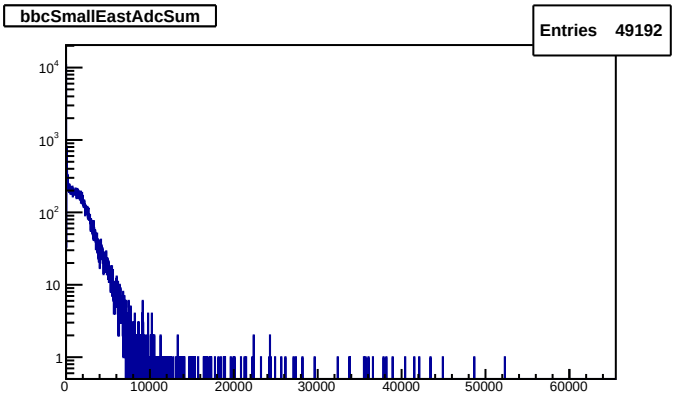

EQ2 QTC
Entries 4722432
TADC
QT Input Channel

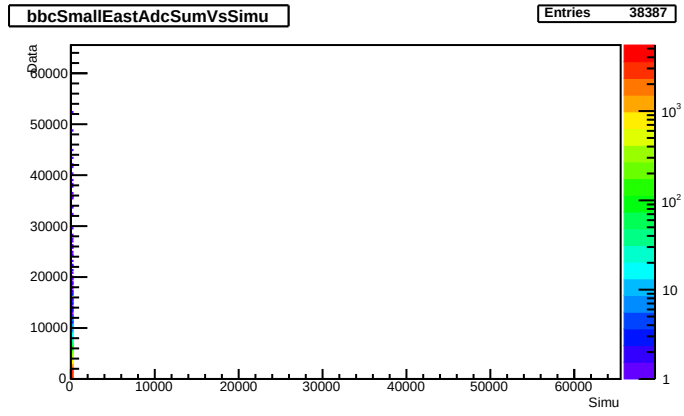

EQ3 QTB
Entries 1.259315e+07
ADC
QT Input Channel

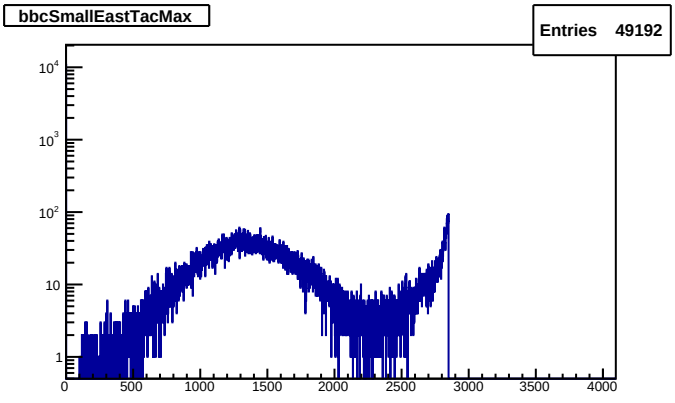

EQ3 QTB
Entries 3929685
TDC
QT Input Channel

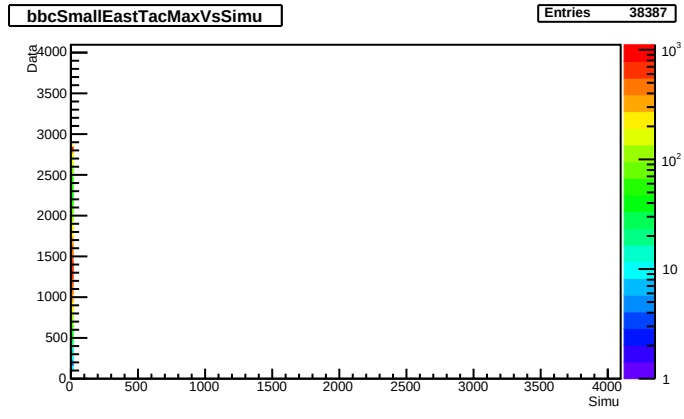

EQ3 QTC
Entries 4722432
ADC
QT Input Channel

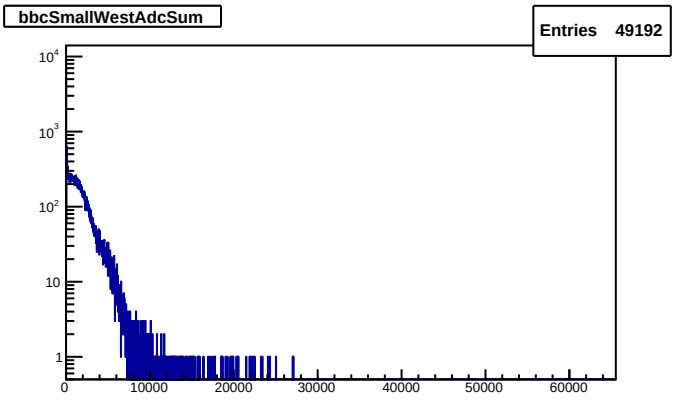

EQ3 QTC
Entries 4722432
TADC
QT Input Channel

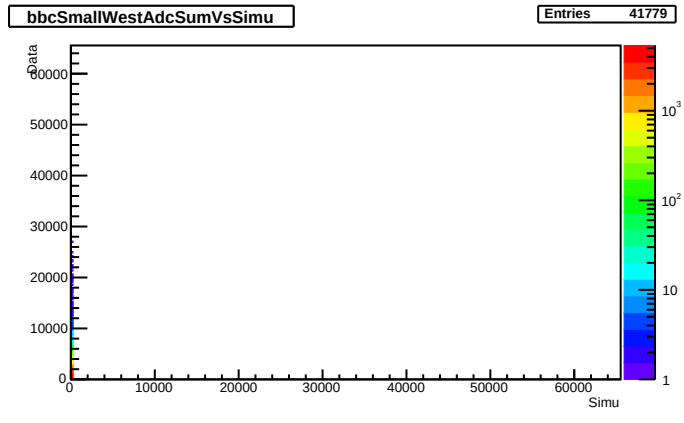

bbcSmallEastAdcSum
Entries 49192


bbcSmallEastAdcSumVsSimu
Entries 38387
Data
Simu


bbcSmallEastTacMax
Entries 49192


bbcSmallEastTacMaxVsSimu
Entries 38387
Data
Simu


bbcSmallWestAdcSum
Entries 49192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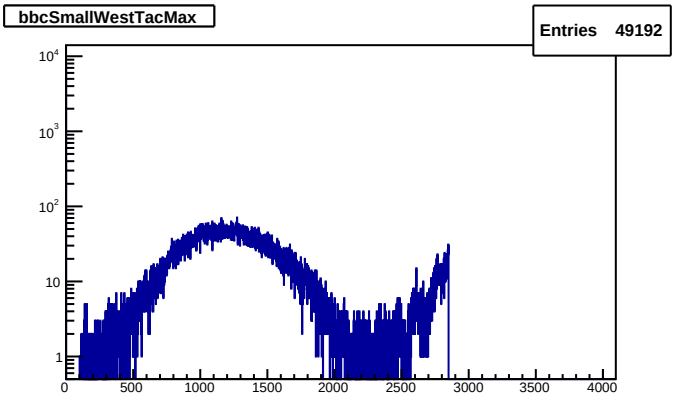
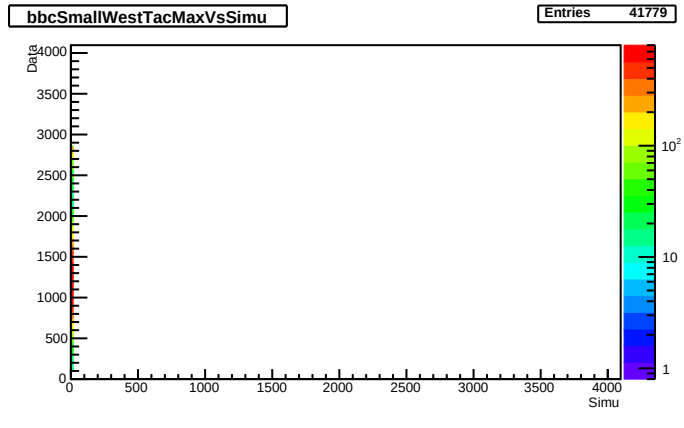
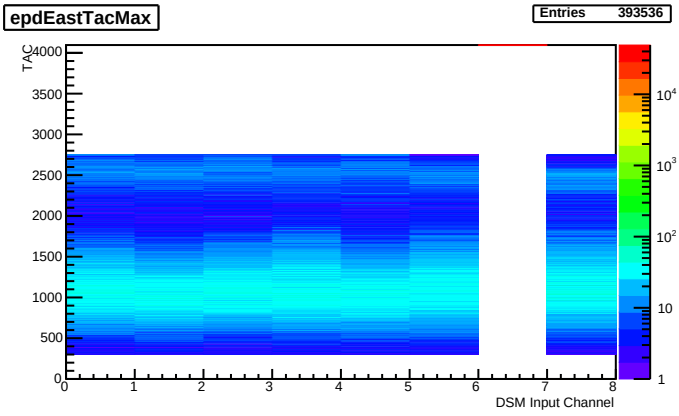
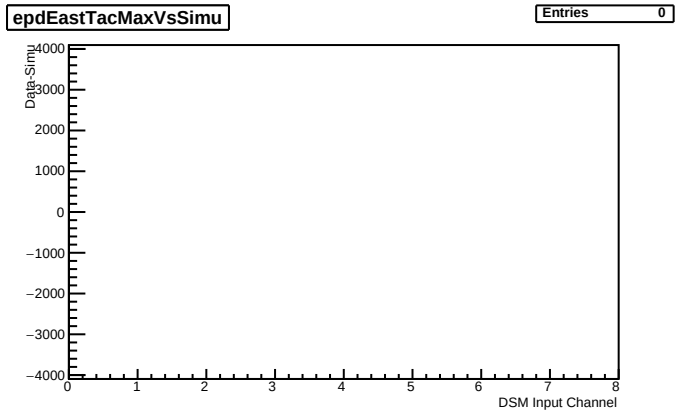
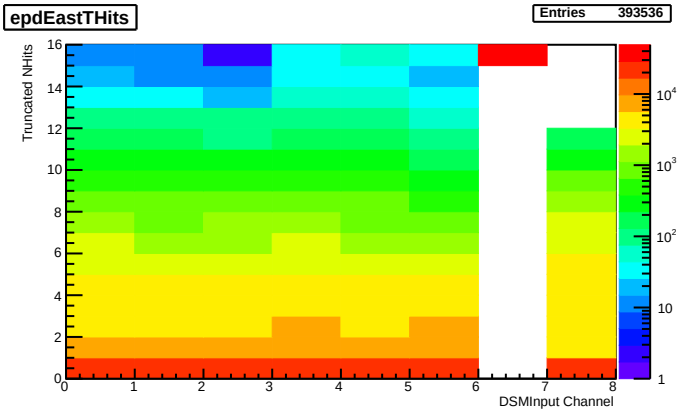
Entries 41779
Data
Simu

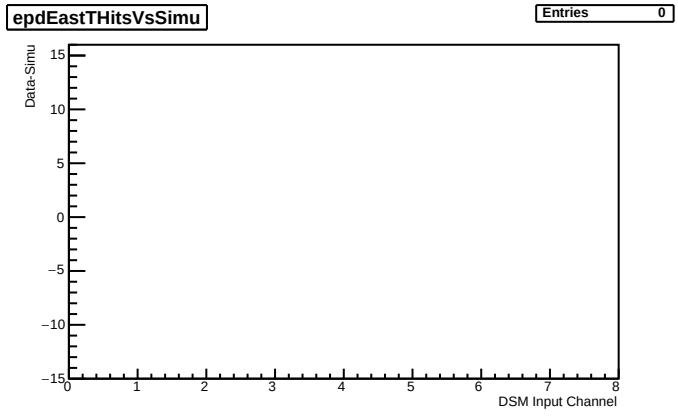

bbcSmallWestTacMax
Entries 49192


bbcSmallWestTacMaxVsSimu
Entries 41779
Data
Simu


epdEastTacMax
Entries 393536
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 393536
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
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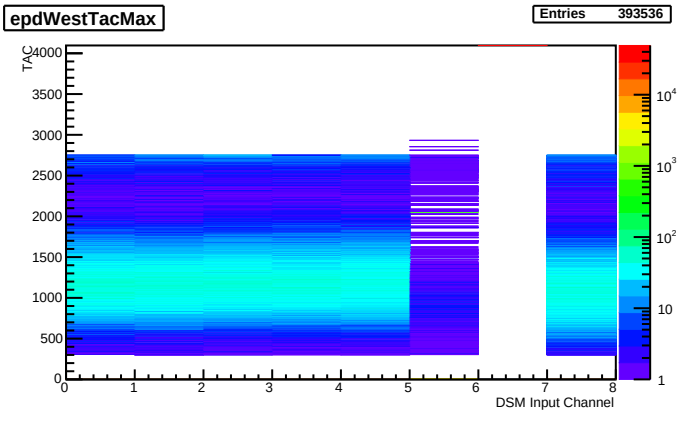
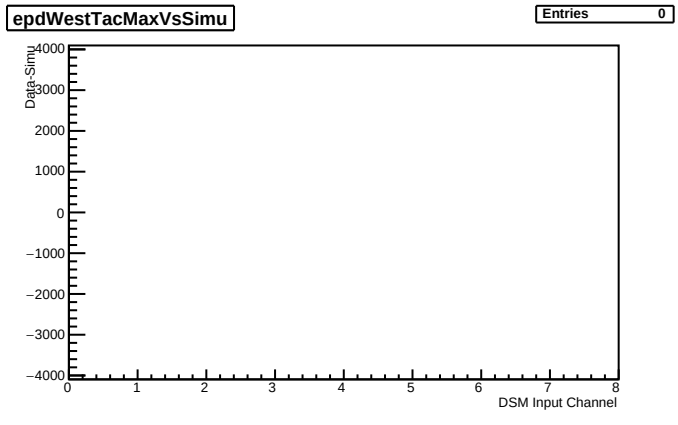
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 393536
TAC
DSM Input Channel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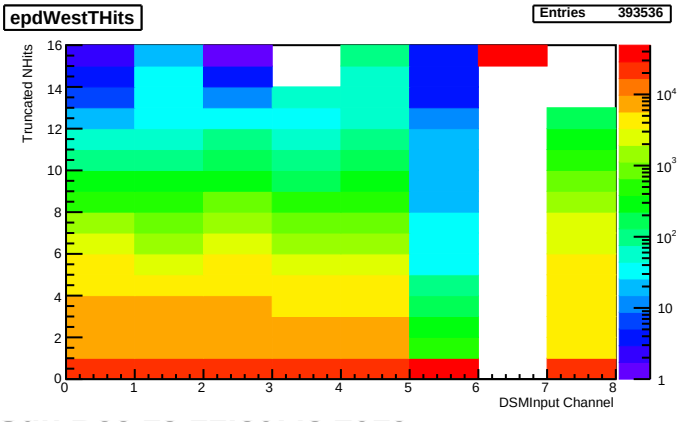
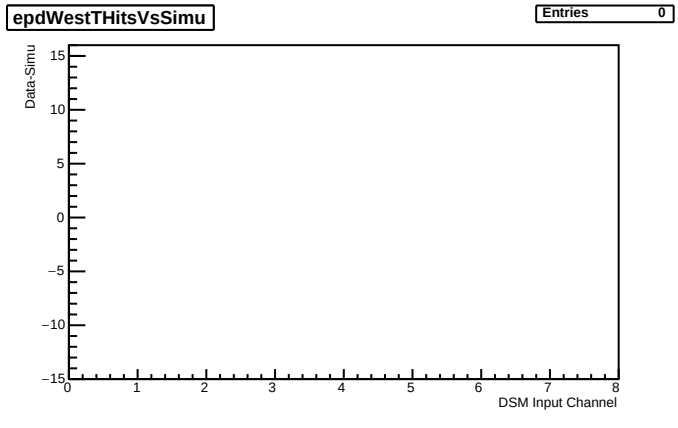
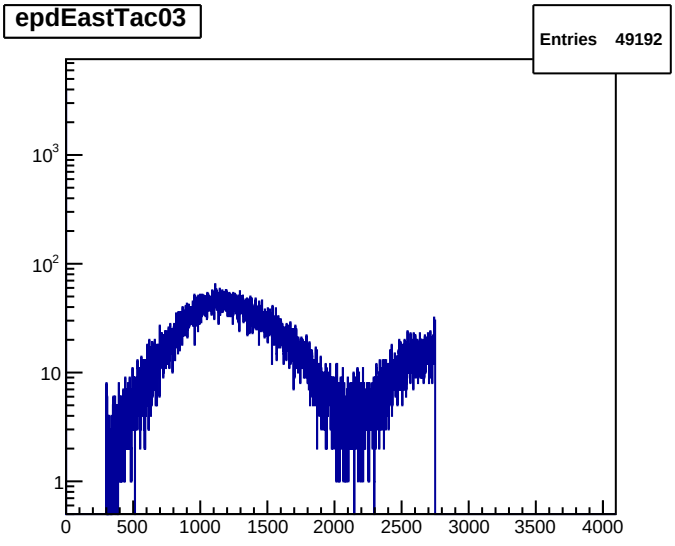
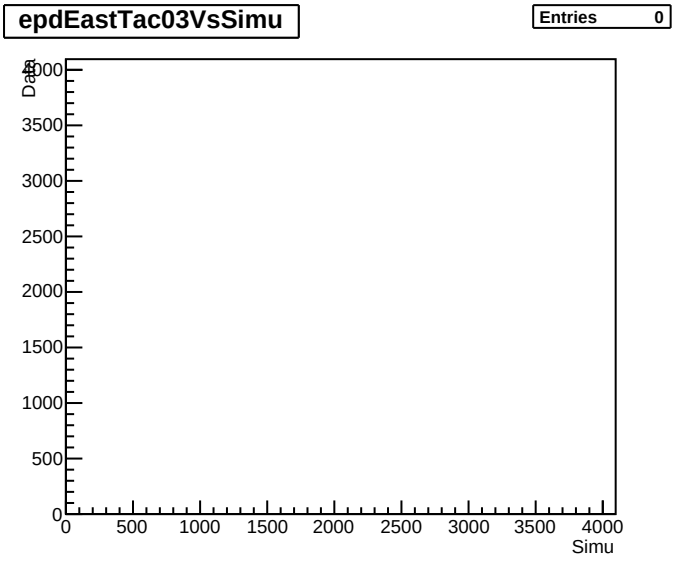
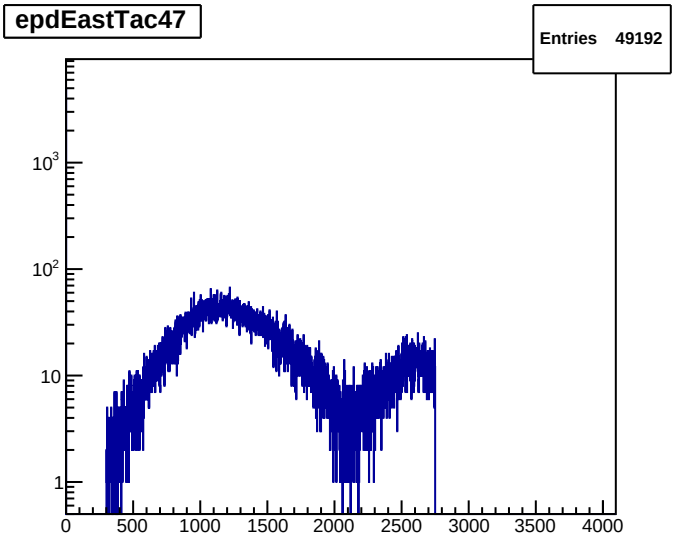
Entries 0
Data-Simu
DSM Input Channel

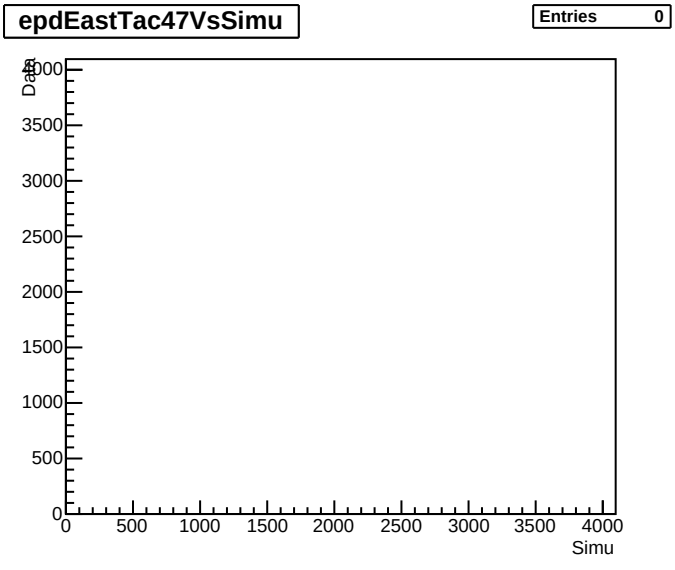

epdWestTHits
Entries 393536
Truncated NHits
DSMInput Channel

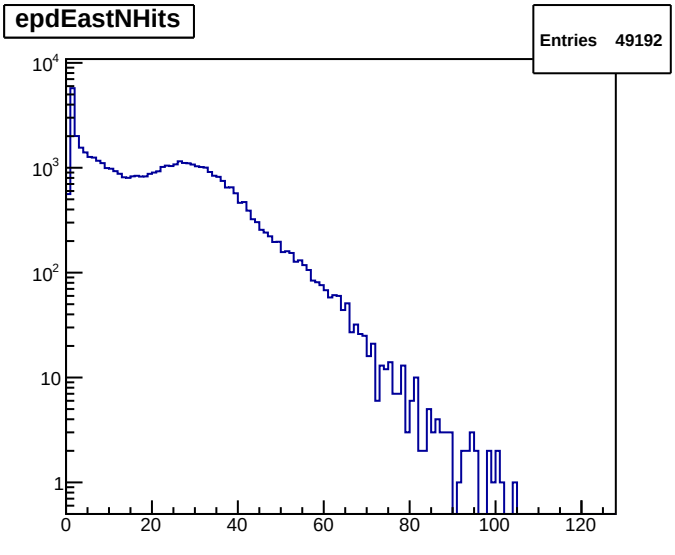

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

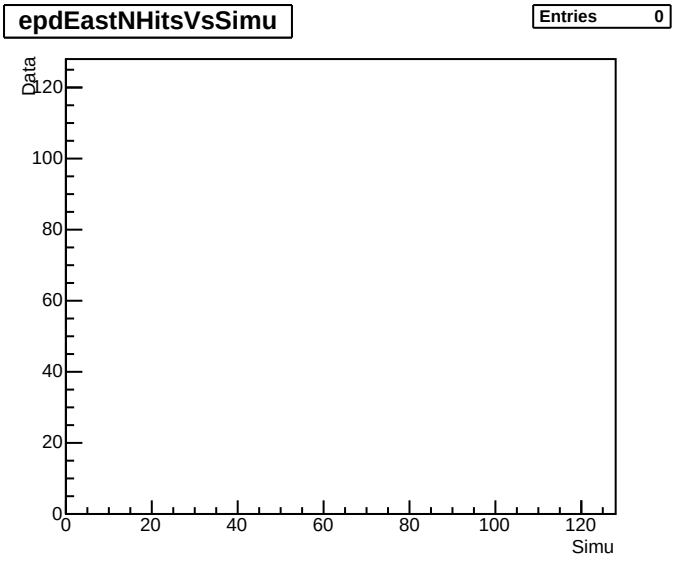

epdEastTac03
Entries 49192

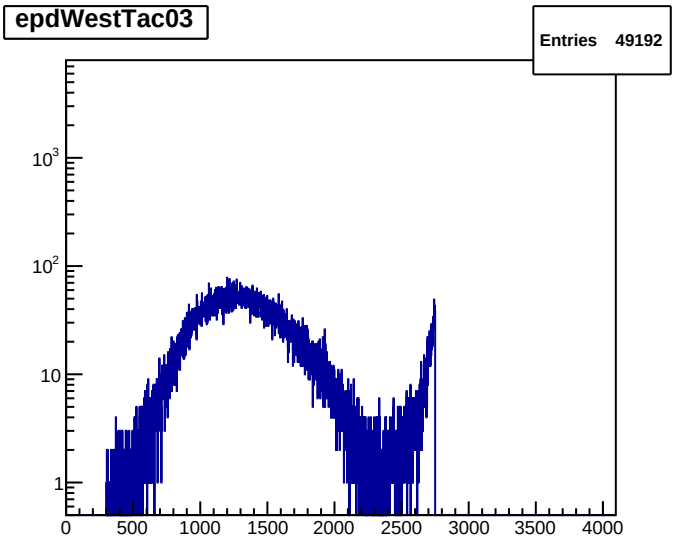

epdEastTac03VsSimu
Entries 0
Data
Simu

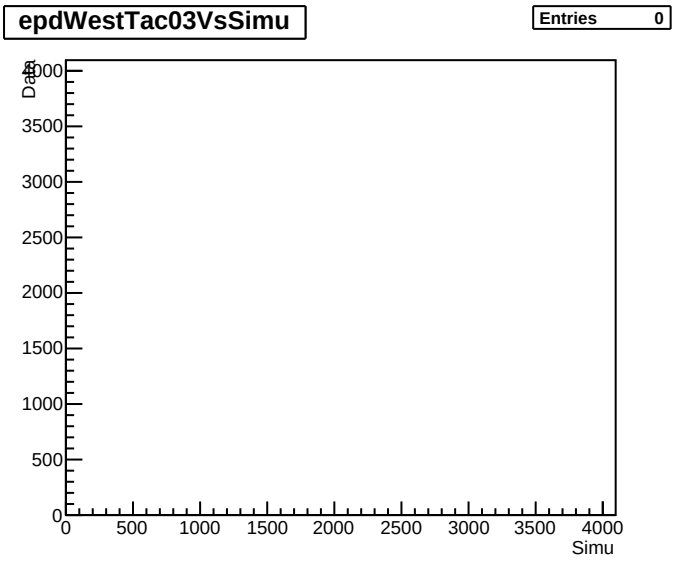

epdEastTac47
Entries 49192


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 49192


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 49192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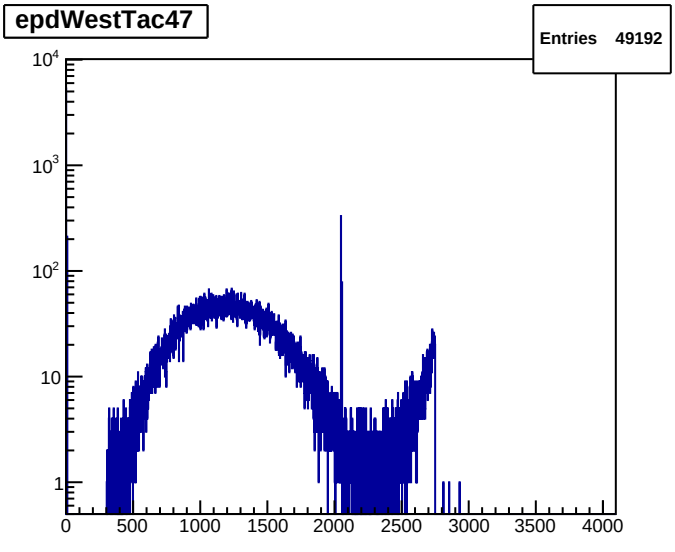
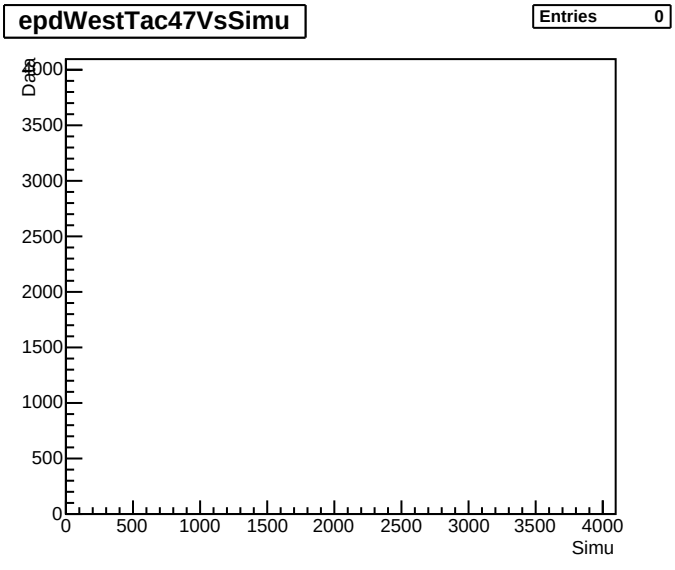
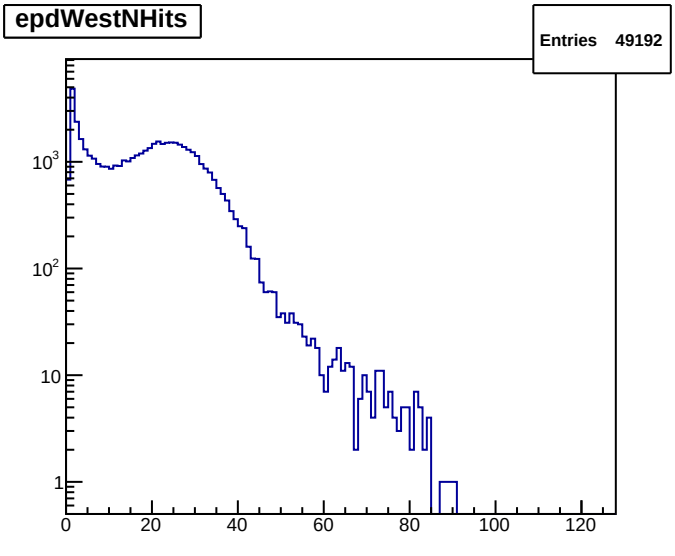
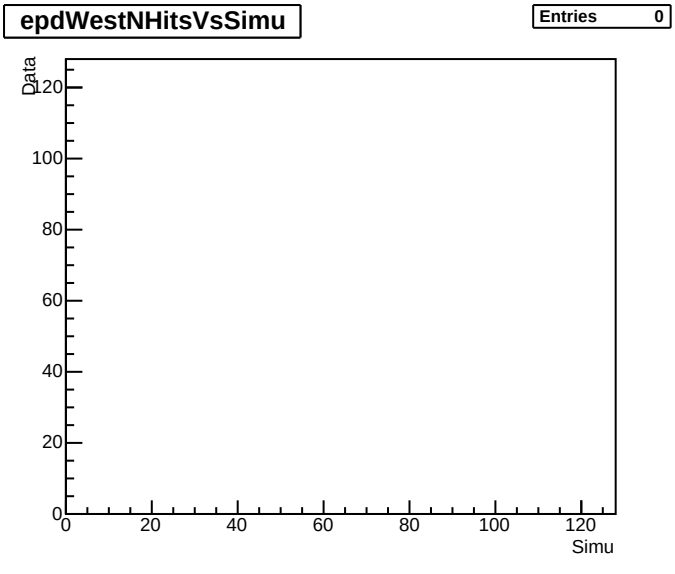
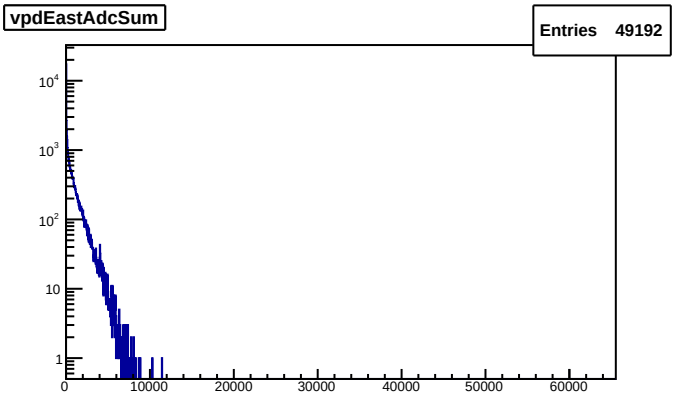
Entries 0
Data
Simu

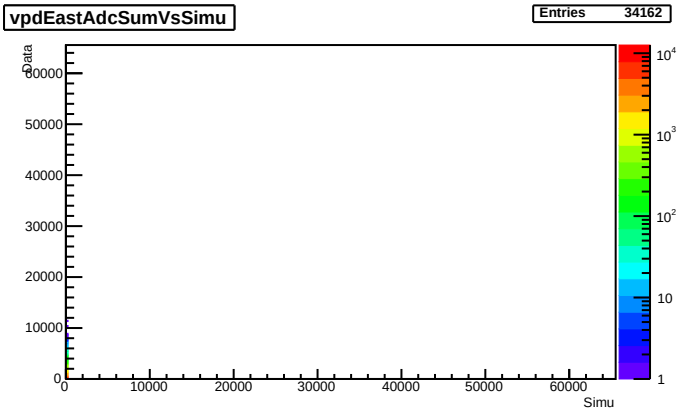

epdWestTac47
Entries 49192

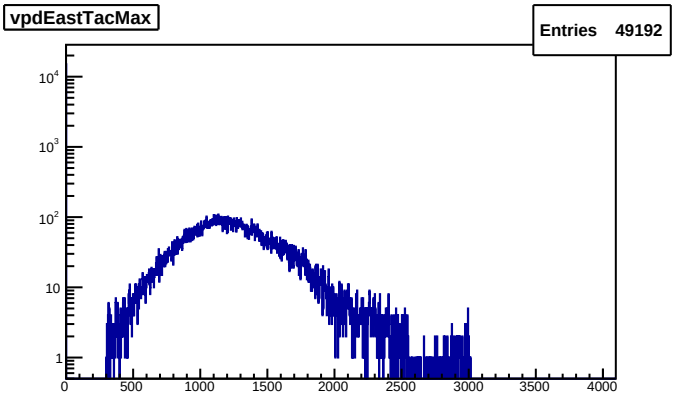

epdWestTac47VsSimu
Entries 0
Data
Simu

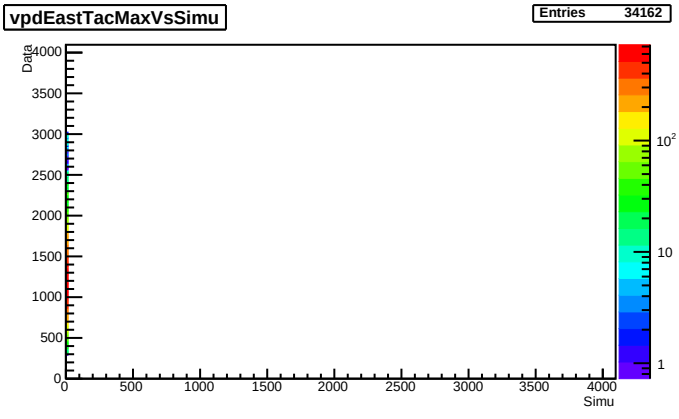

epdWestNHits
Entries 49192

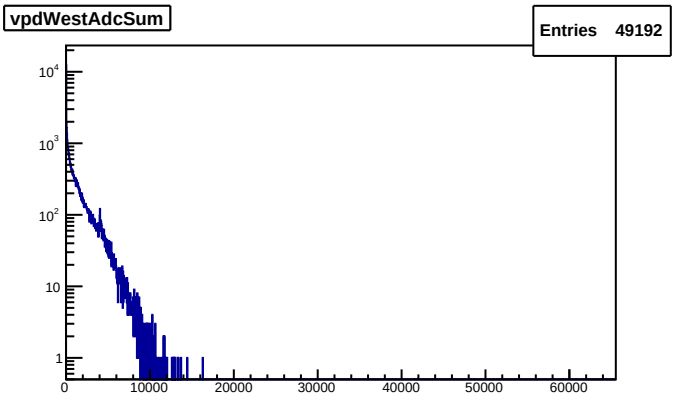

epdWestNHitsVsSimu
Entries 0
Data
Simu

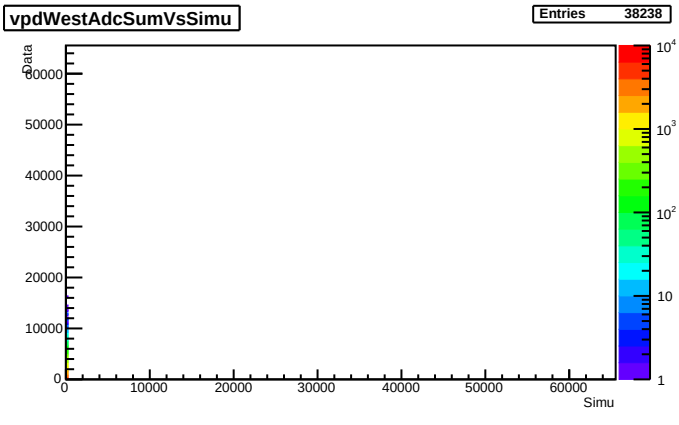

vpdEastAdcSum
Entries 49192

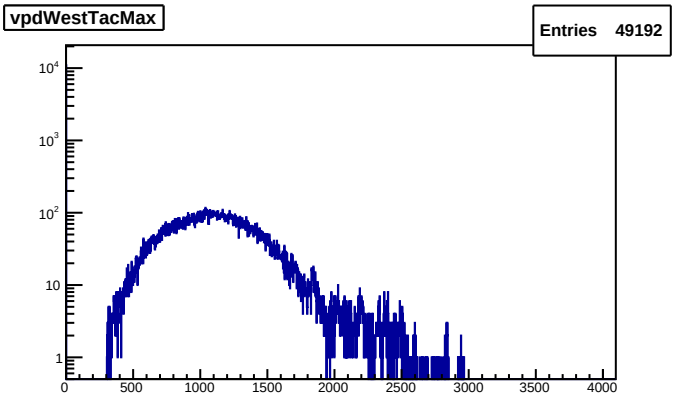

vpdEastAdcSumVsSimu
Entries 34162
Data
Simu

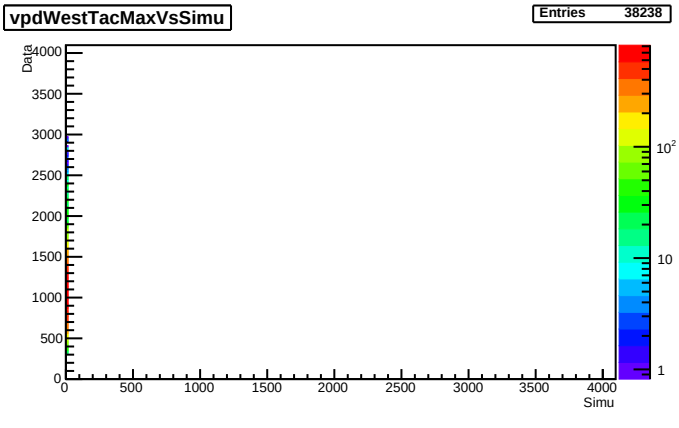

vpdEastTacMax
Entries 49192

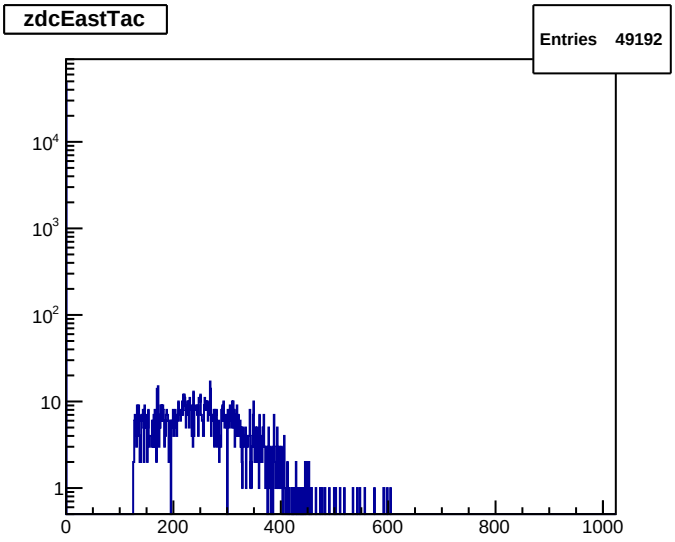

vpdEastTacMaxVsSimu
Entries 34162
Data
Simu

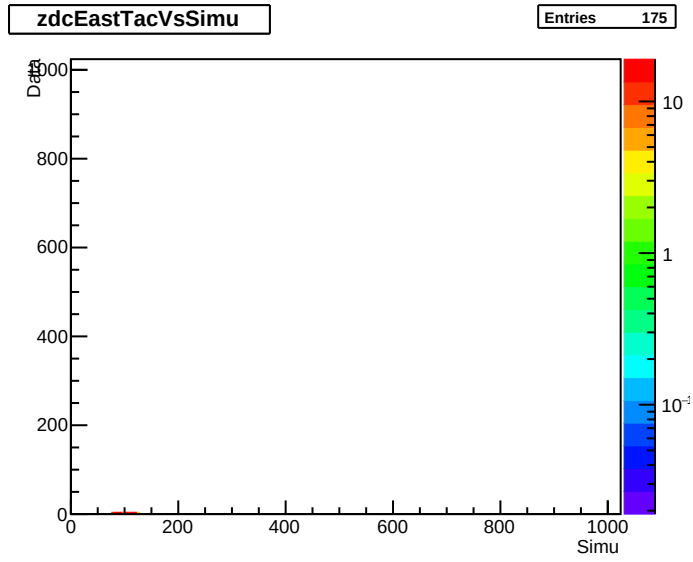

vpdWestAdcSum
Entries 49192

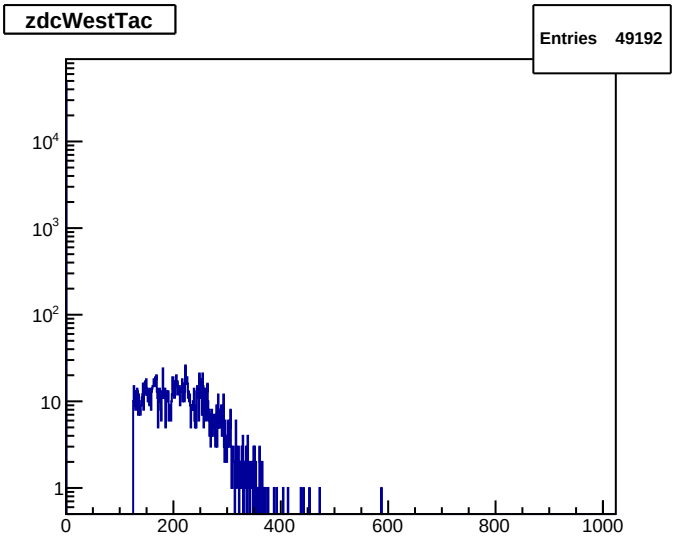

vpdWestAdcSumVsSimu
Entries 38238
Data
Simu

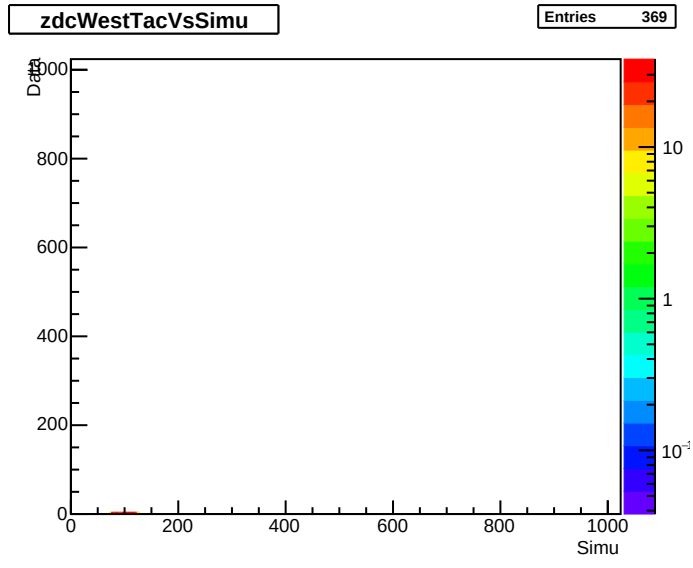

vpdWestTacMax
Entries 49192

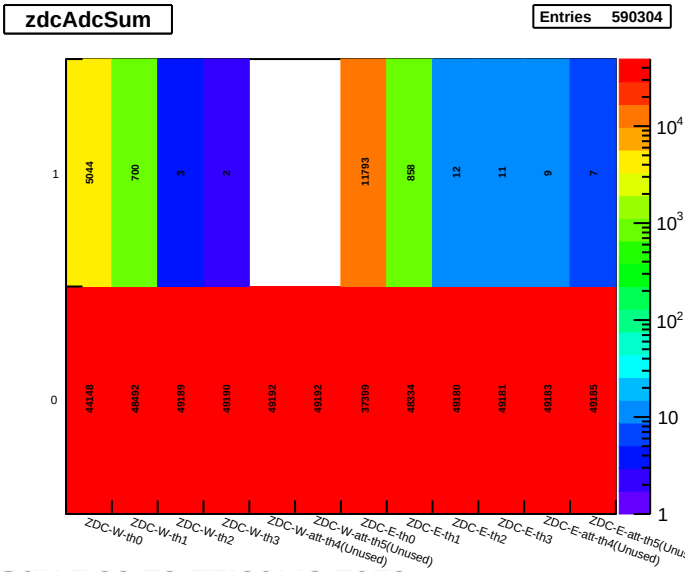

vpdWestTacMaxVsSimu
Entries 38238
Data
Simu

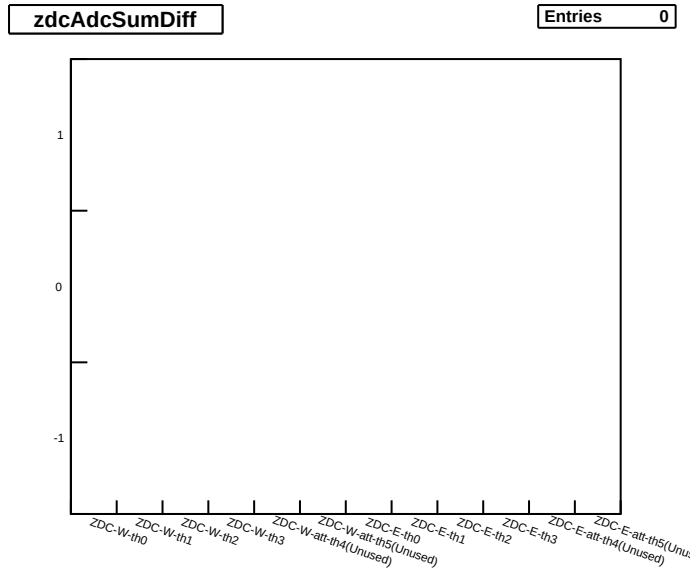

zdcEastTac
Entries 49192
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

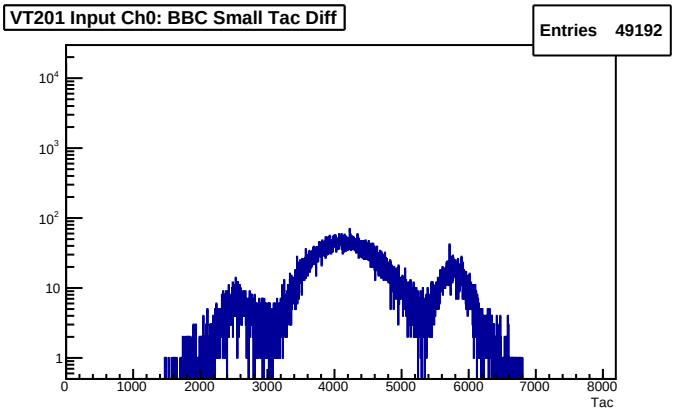

zdcEastTacVsSimu
Entries 175
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

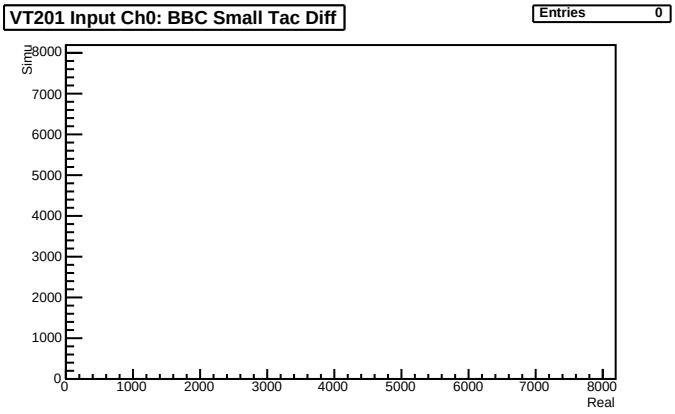

zdcWestTac
Entries 49192
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

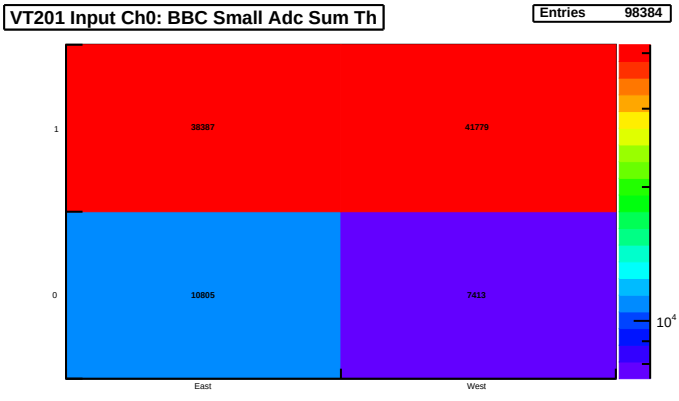

zdcWestTacVsSimu
Entries 369
Data
1000
800
600
400
200
0
Simu
10
1
10^{-1}

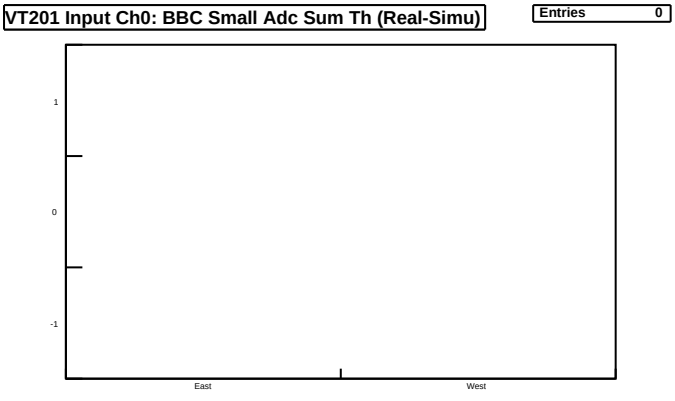

zdcAdcSum
Entries 590304
1
0
5044
700
3
2
11793
858
12
11
9
7
44148
49092
49189
49190
49192
49192
37399
48334
49180
49181
49183
49185
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

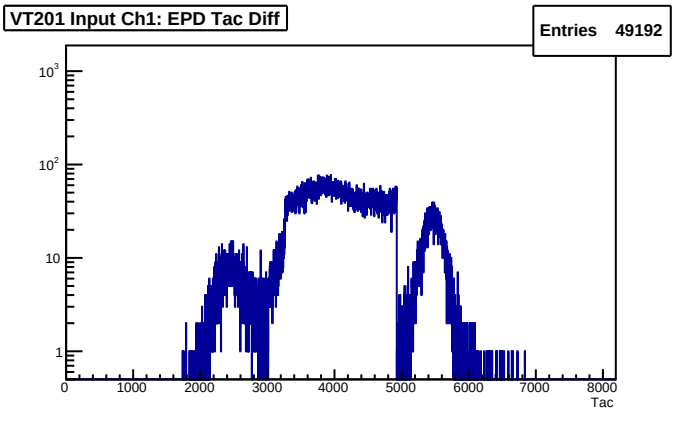

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

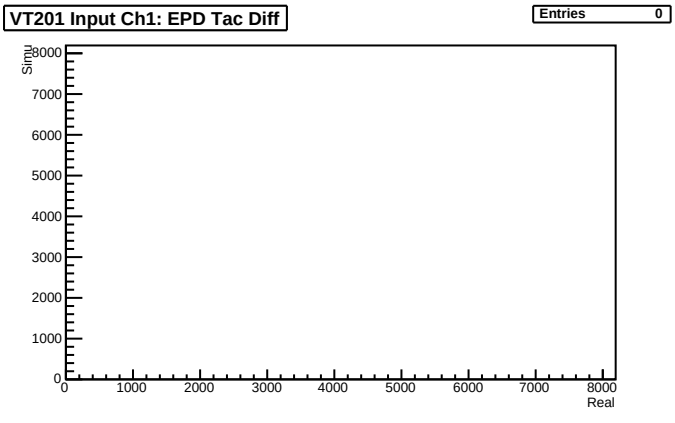

VT201 Input Ch0: BBC Small Tac Diff
Entries 49192
Tac

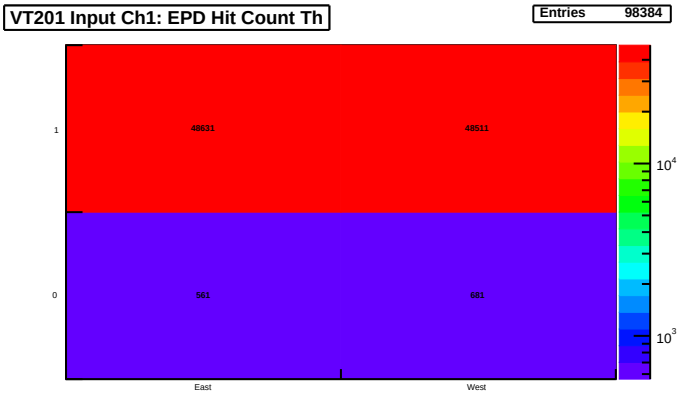

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

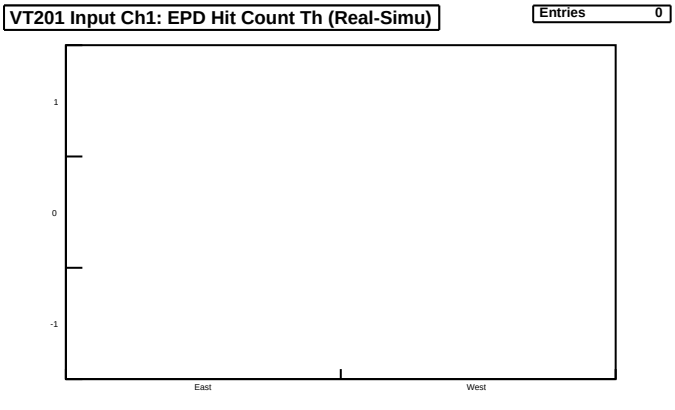

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 98384
38387
41779
10805
7413
East
West

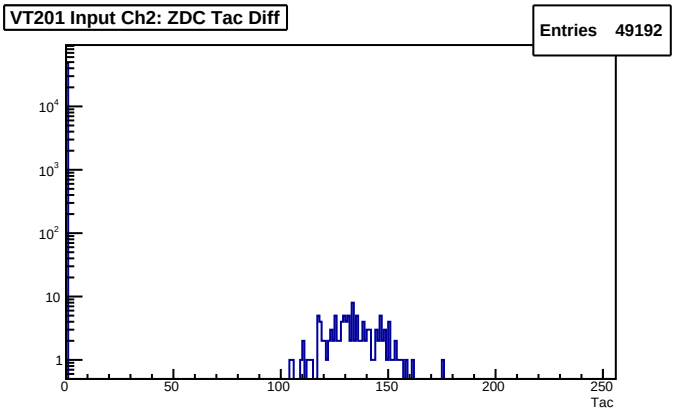

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

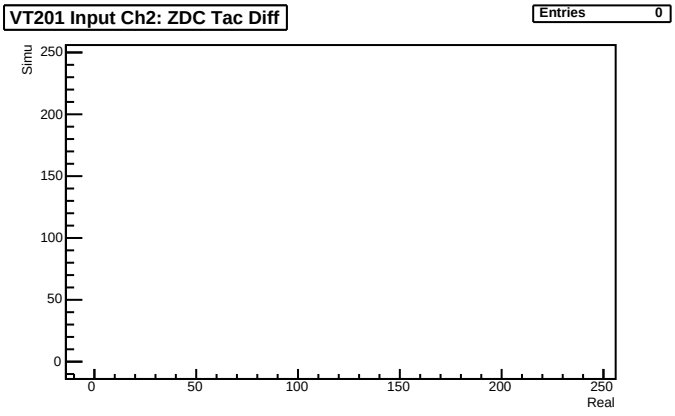

VT201 Input Ch1: EPD Tac Diff
Entries 49192
Tac

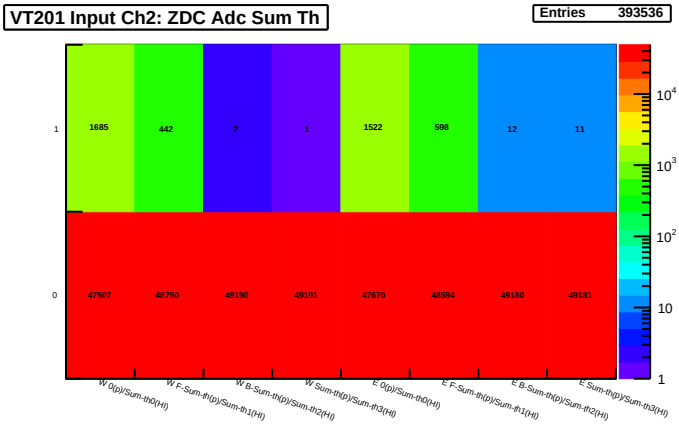

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

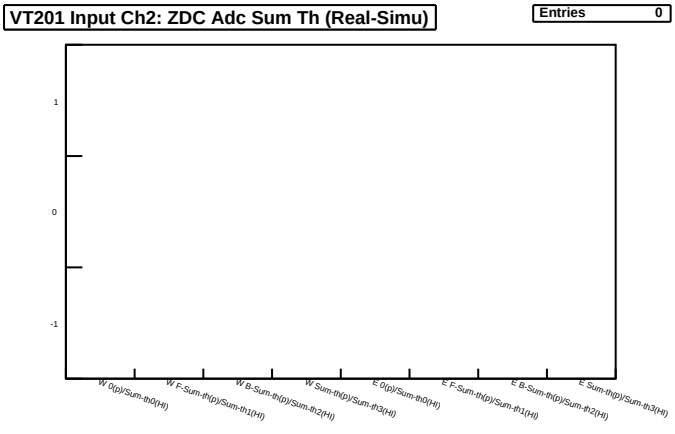

VT201 Input Ch1: EPD Hit Count Th
Entries 98384
48631
48511
561
681
East
West

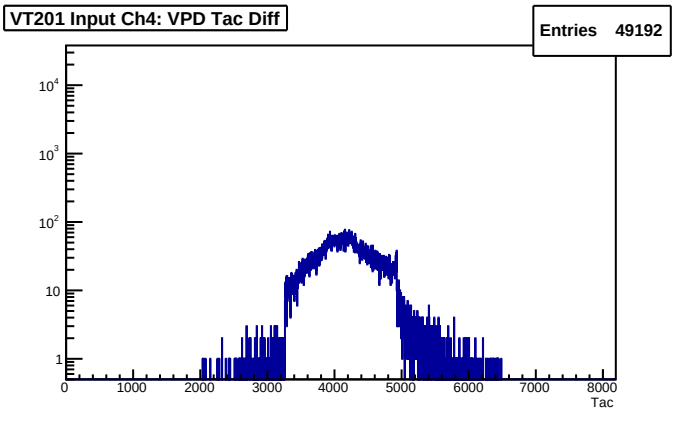

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

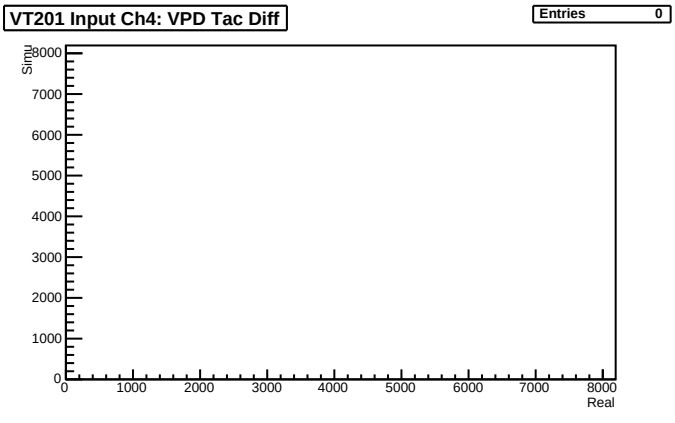

VT201 Input Ch2: ZDC Tac Diff
Entries 49192
Tac

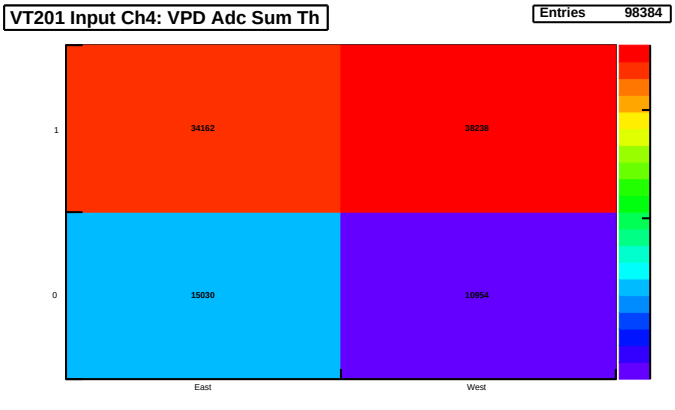

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

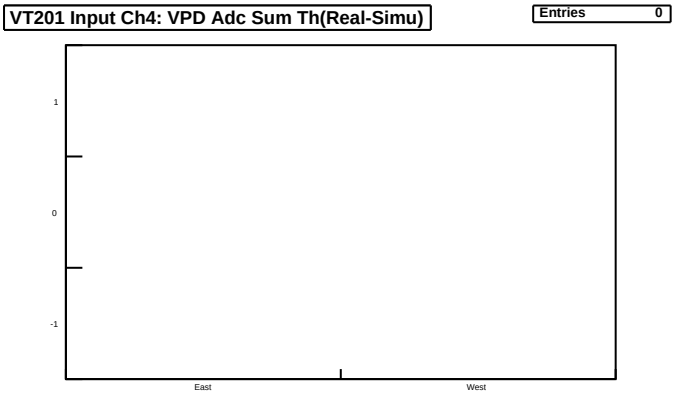

VT201 Input Ch2: ZDC Adc Sum Th
Entries 393536
1685
442
2
1
1522
598
12
11
47507
48750
49190
49191
47670
48594
49180
49181
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

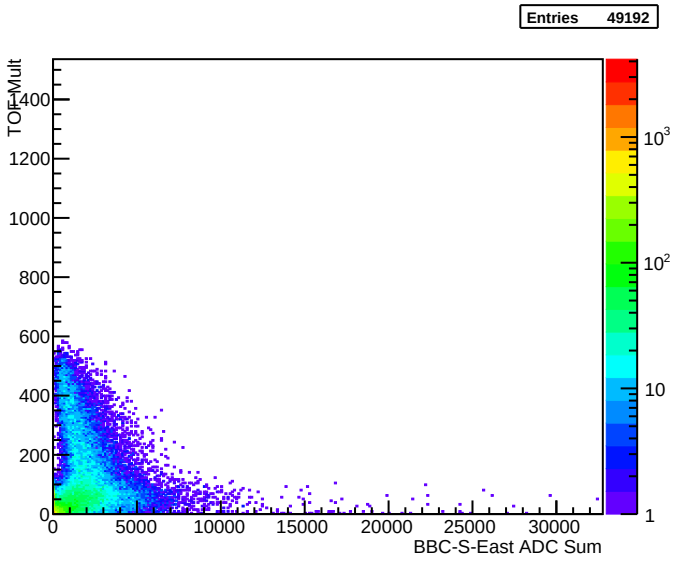

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

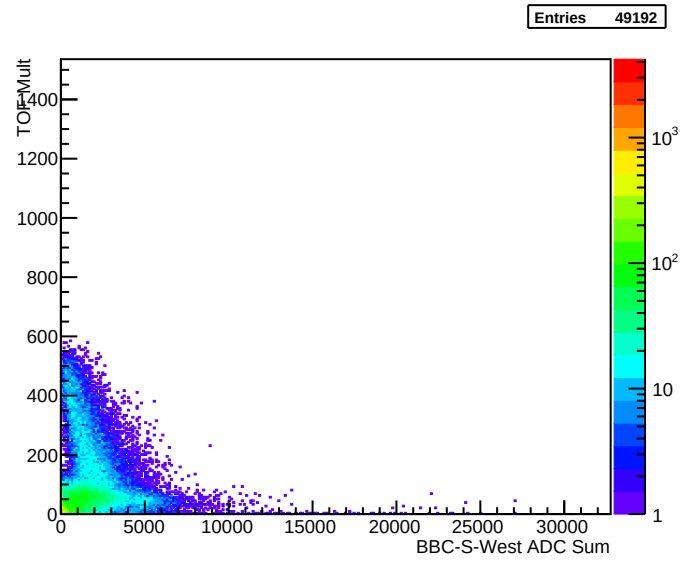

VT201 Input Ch4: VPD Tac Diff
Entries 49192
Tac

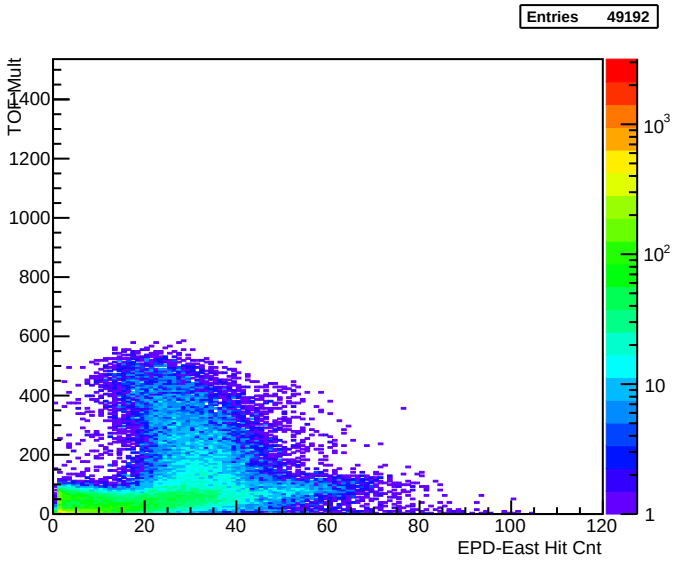

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

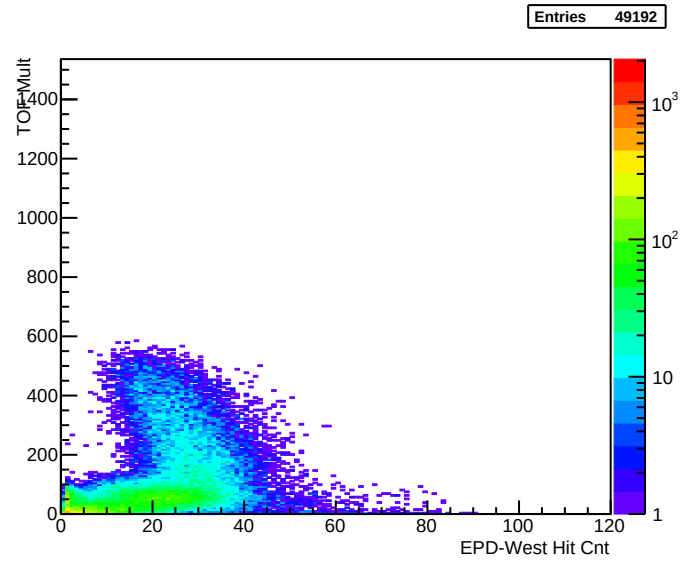

VT201 Input Ch4: VPD Adc Sum Th
Entries 98384
34162
38238
15030
10954
East
West

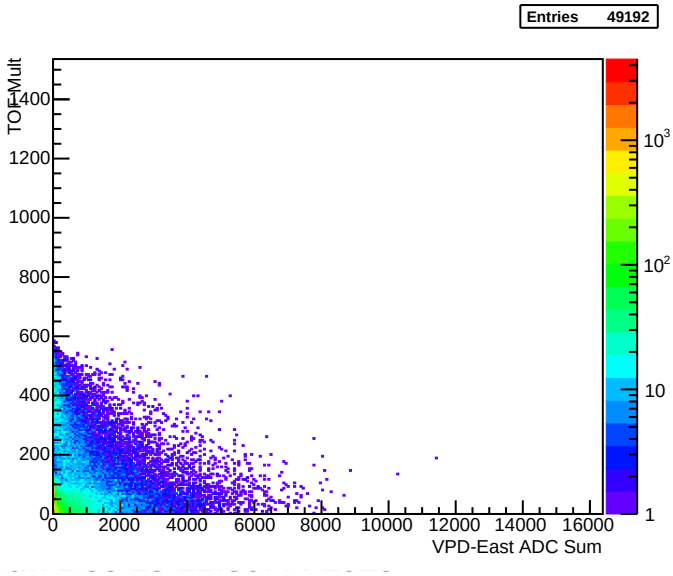

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

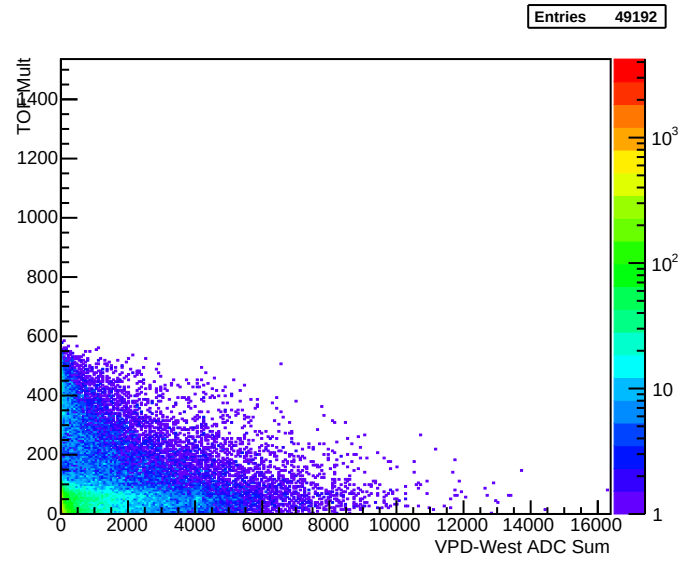

Entries 49192
TOF-Mult
BBC-S-East ADC Sum

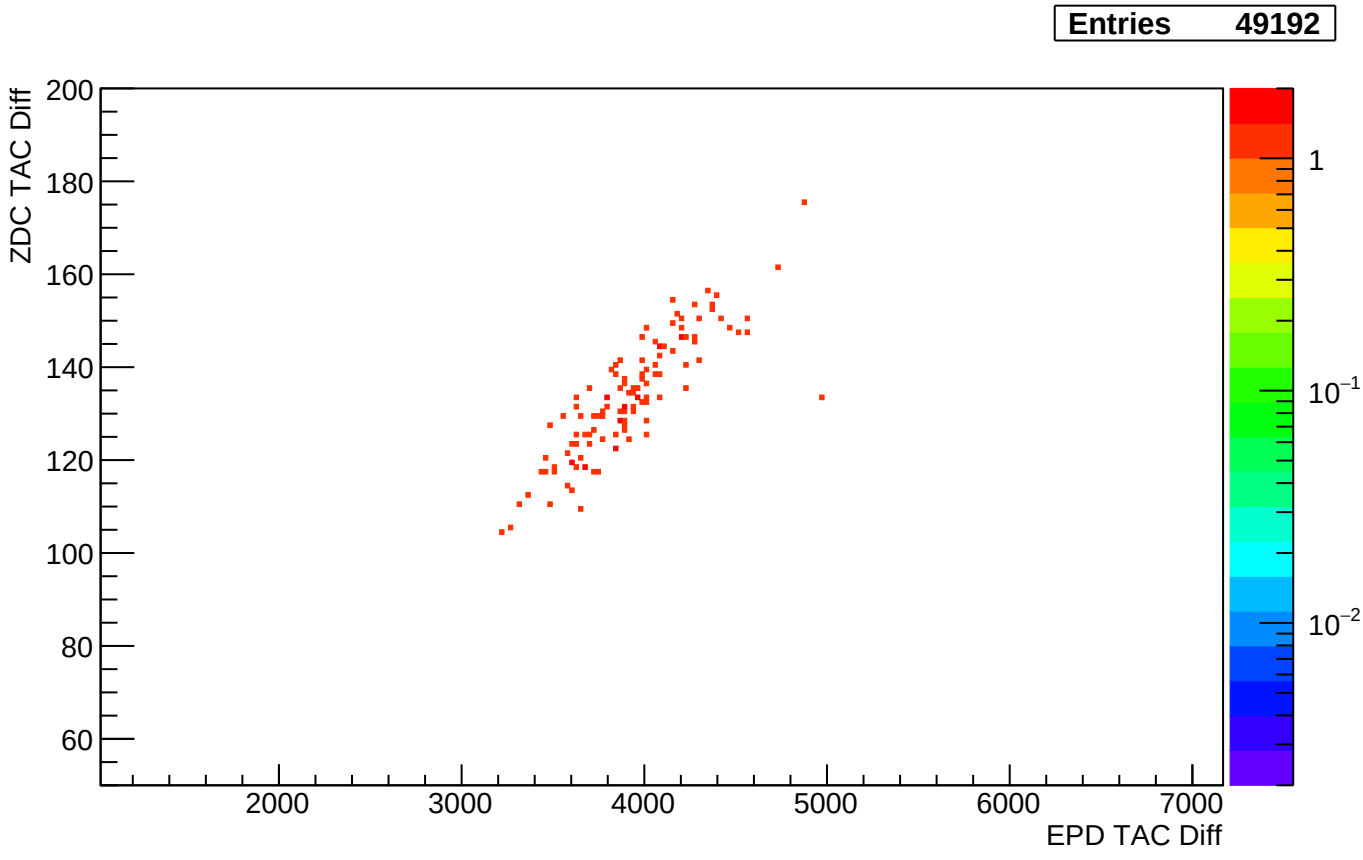

Entries 49192
TOF-Mult
BBC-S-West ADC Sum

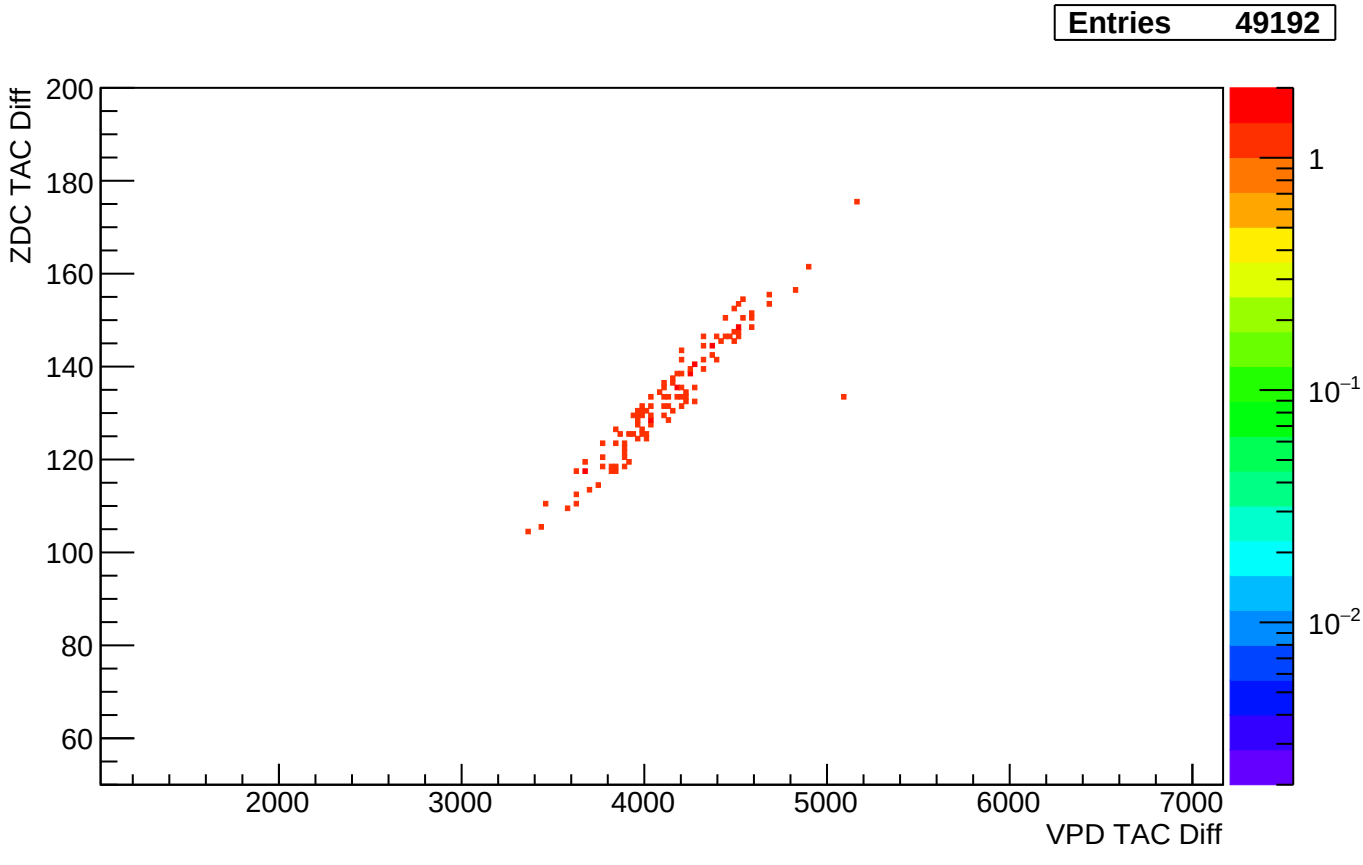

Entries 49192
TOF-Mult
EPD-East Hit Cnt

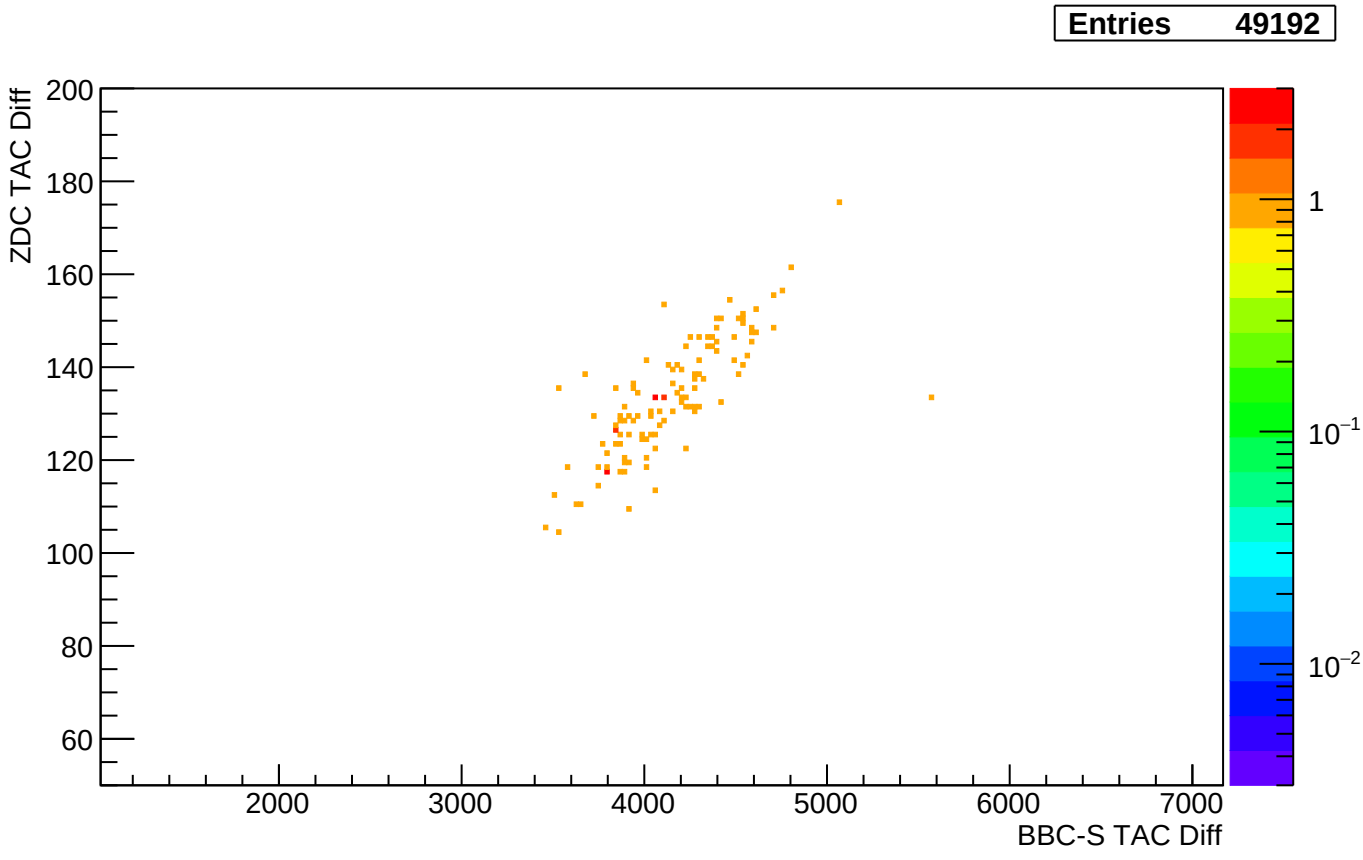

Entries 49192
TOF-Mult
EPD-West Hit Cnt

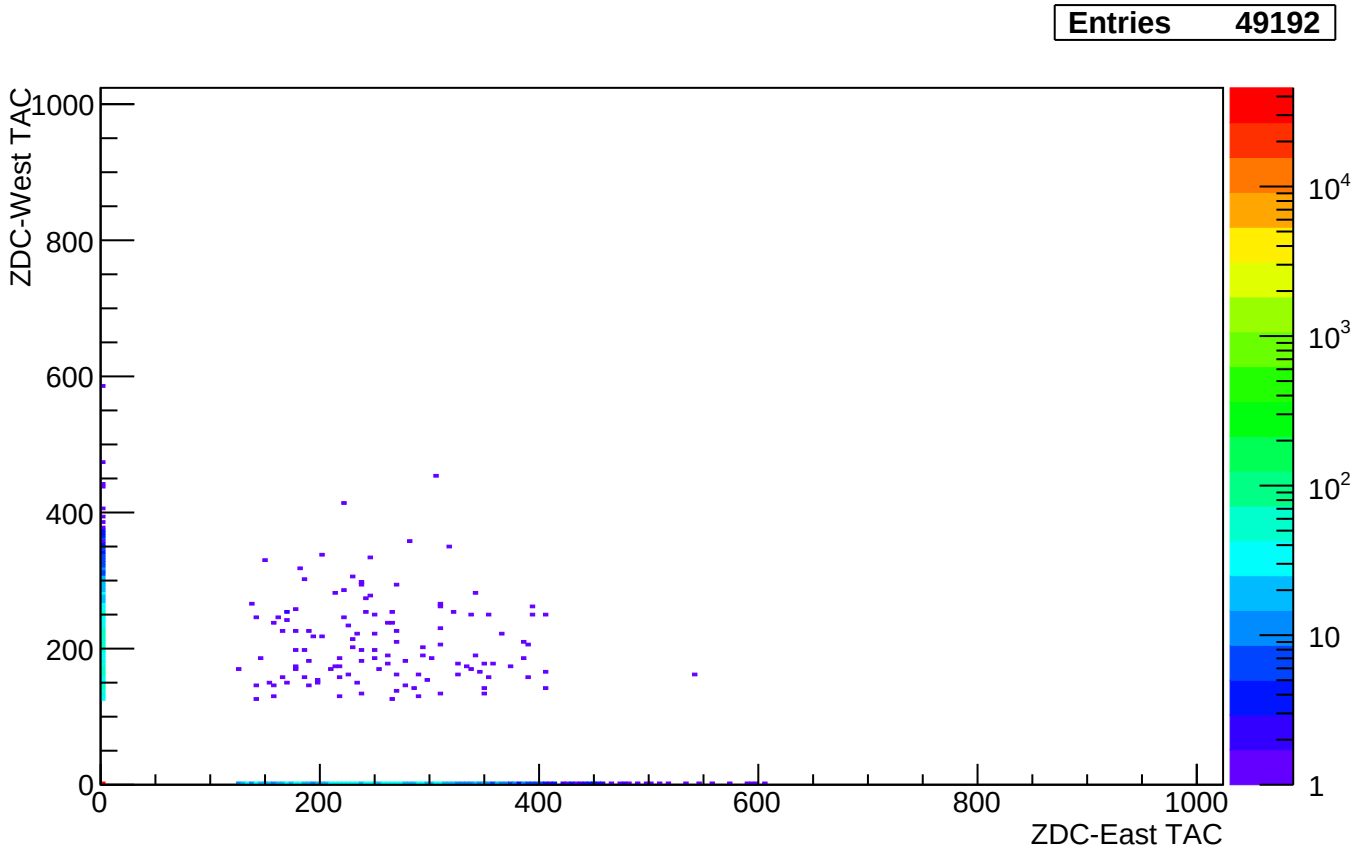

Entries 49192
TOF-Mult
VPD-East ADC Sum

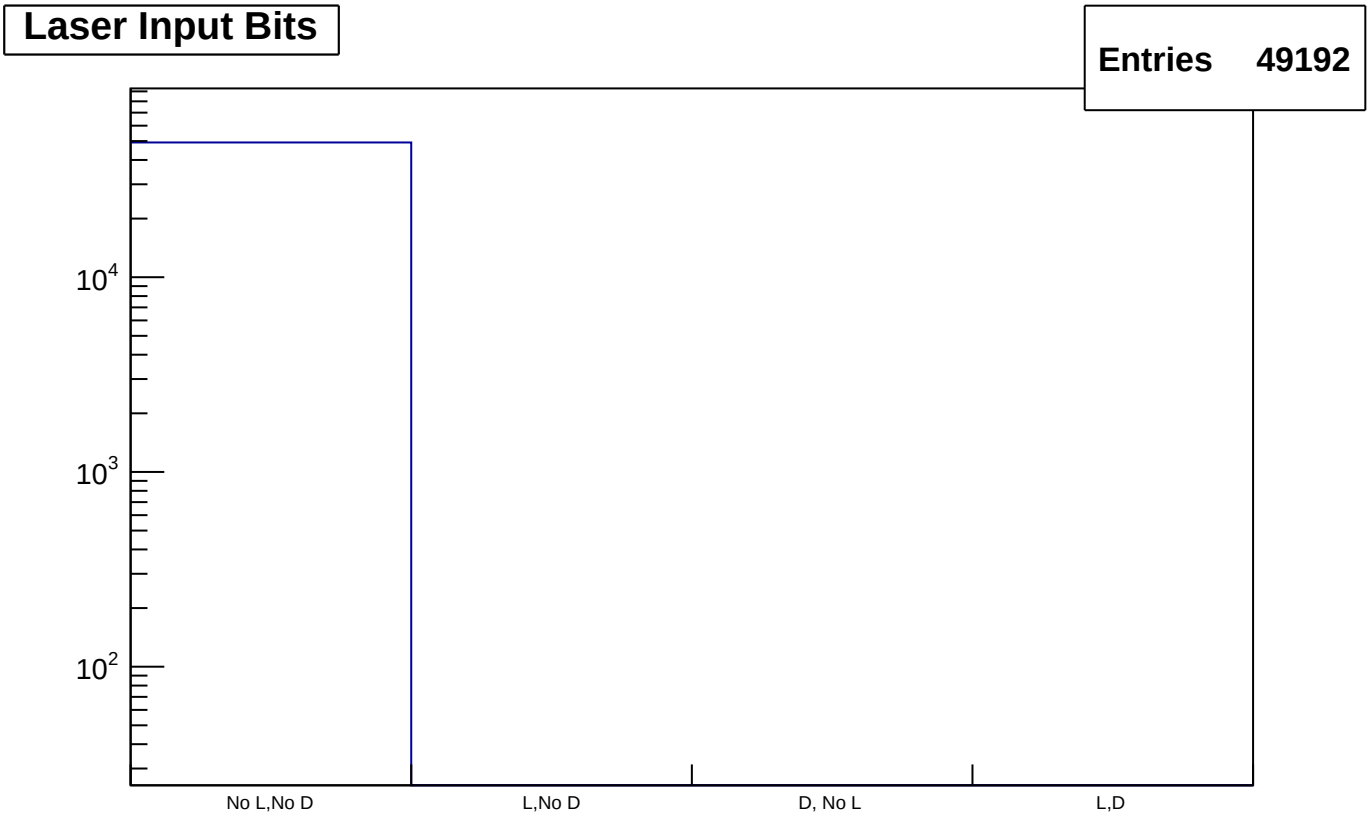

Entries 49192
TOF-Mult
VPD-West ADC Sum

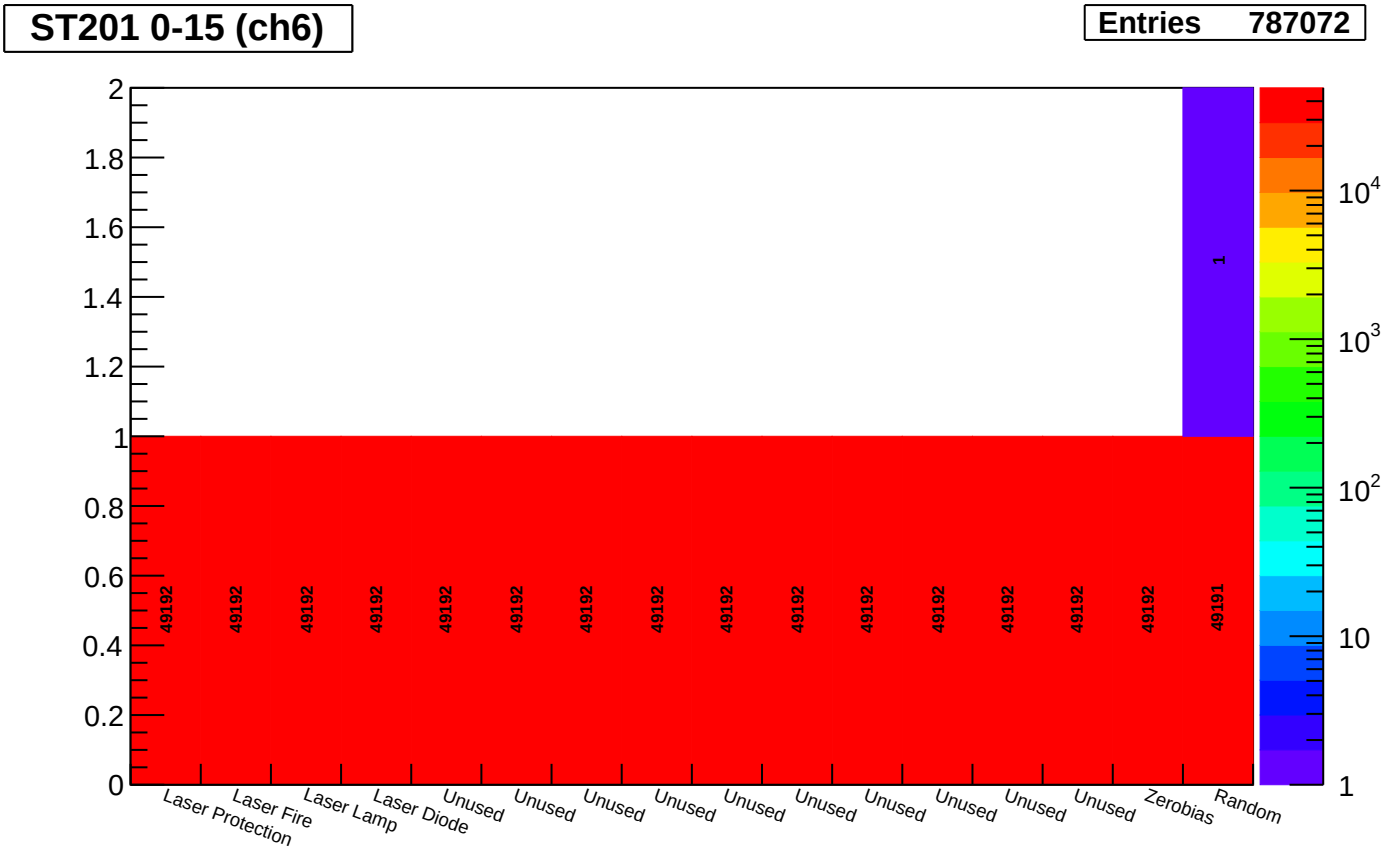

Entries 49192
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

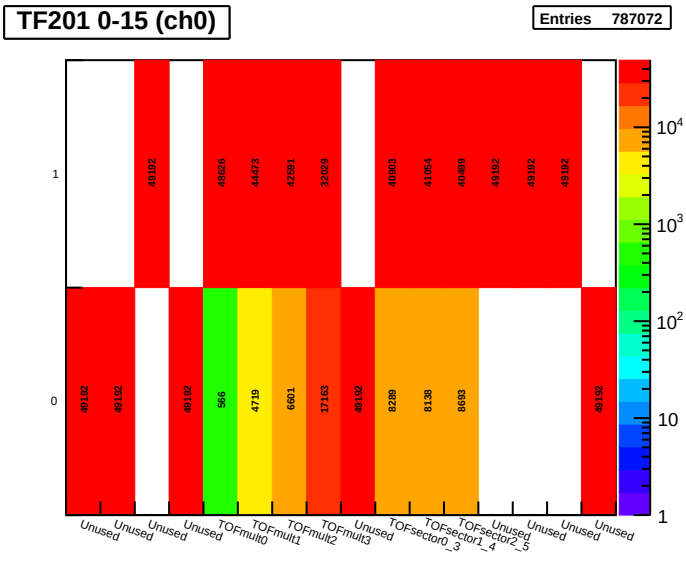

Entries 49192
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

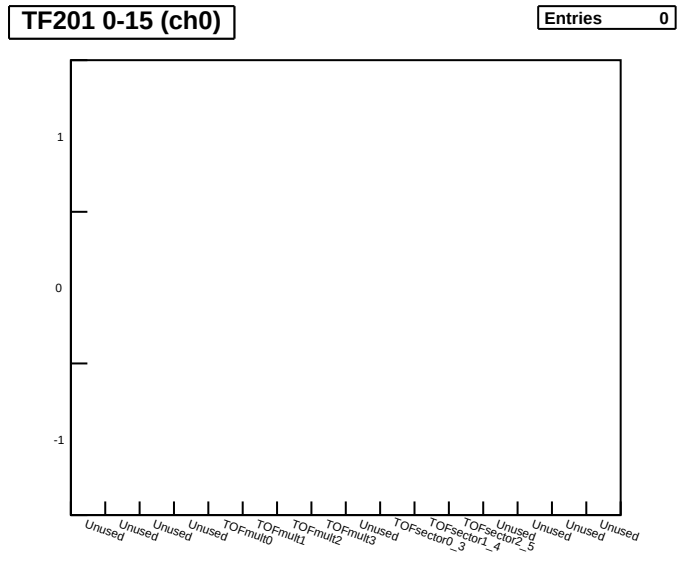

Entries 49192
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

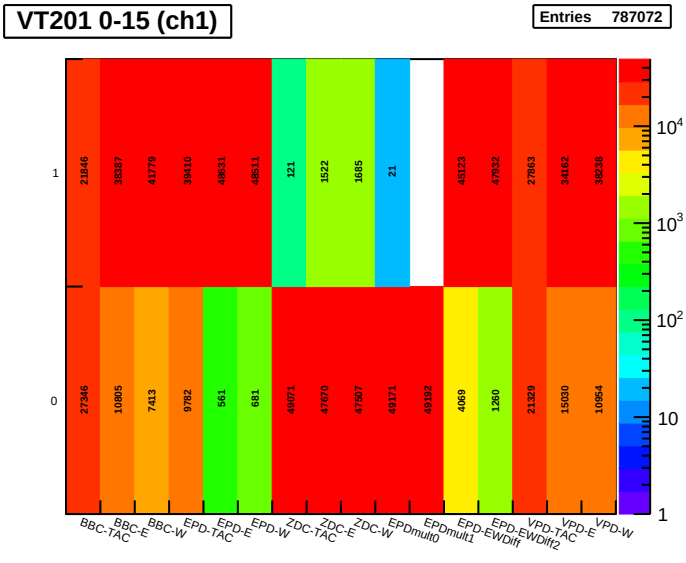

Entries 49192
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^4
10^3
10^2
10
1

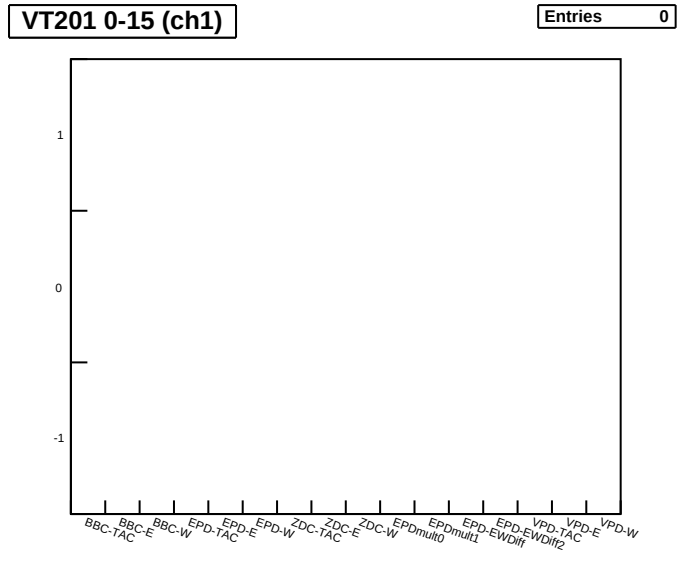

Laser Input Bits
Entries 49192
10^4
10^3
10^2
No L,No D
L,No D
D, No L
L,D

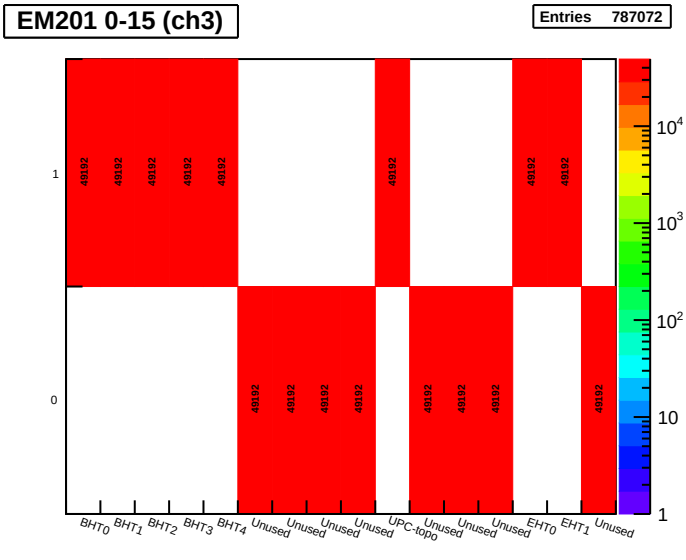

ST201 0-15 (ch6)
Entries 787072
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
49192
49191
1
10^4
10^3
10^2
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

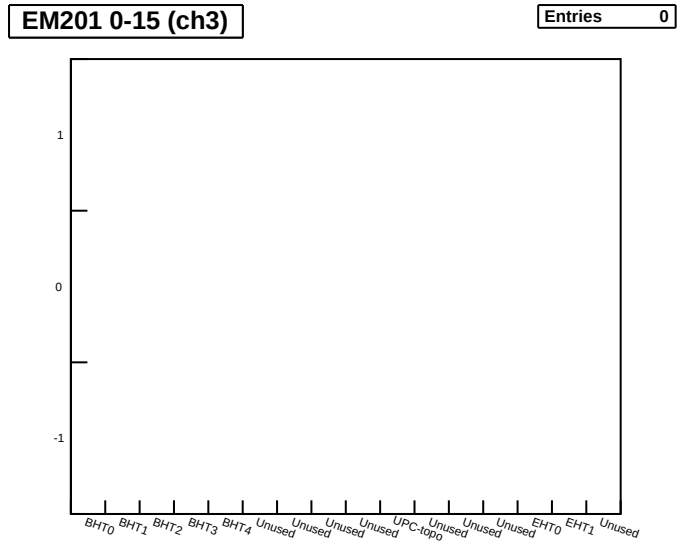

TF201 0-15 (ch0)
Entries 787072
1
0
49192
48626
44473
42591
32029
40903
41054
40499
49192
49192
49192
49192
49192
49192
566
4719
6601
17163
49192
8289
8138
8693
49192
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
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 787072
1
0
21846
38387
41779
39410
48631
48511
121
1522
1685
21
45123
47932
27663
34162
38238
27346
10805
7413
9782
561
681
49071
47670
47507
49171
49192
4069
1260
21329
15030
10954
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 787072
1
0
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
49192
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