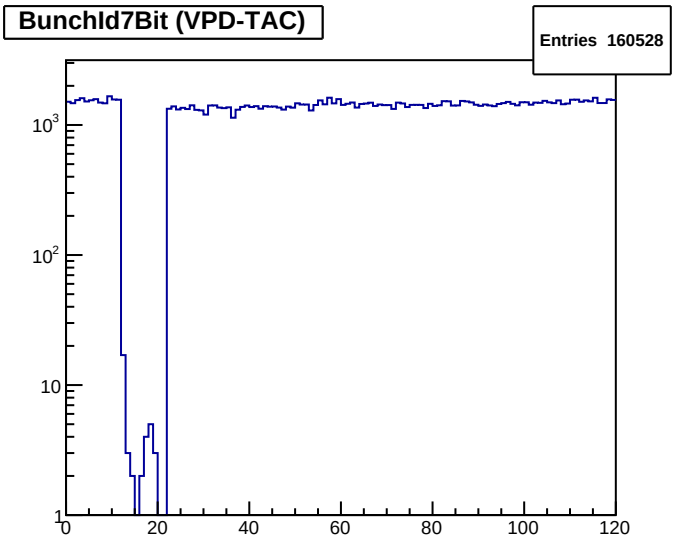
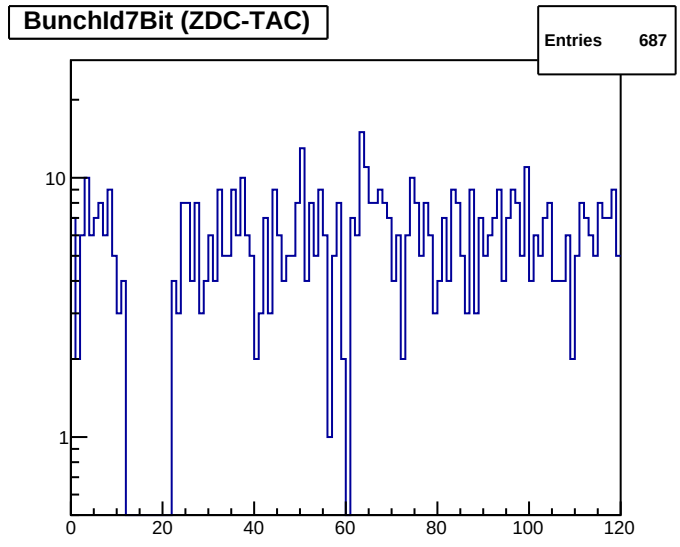
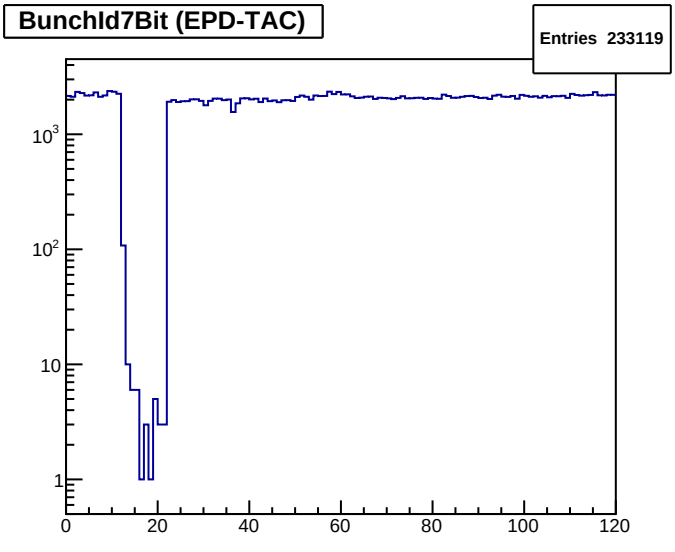
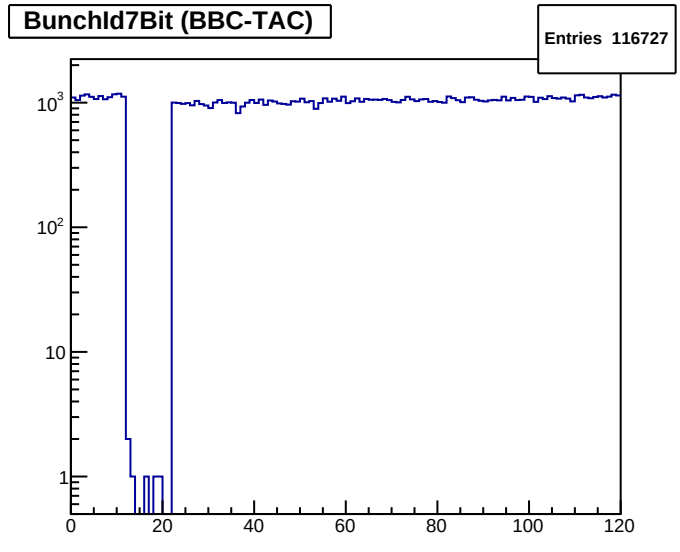
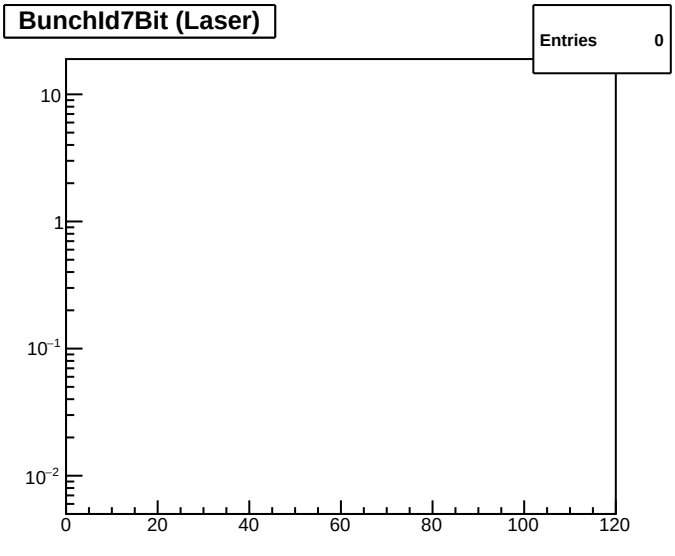
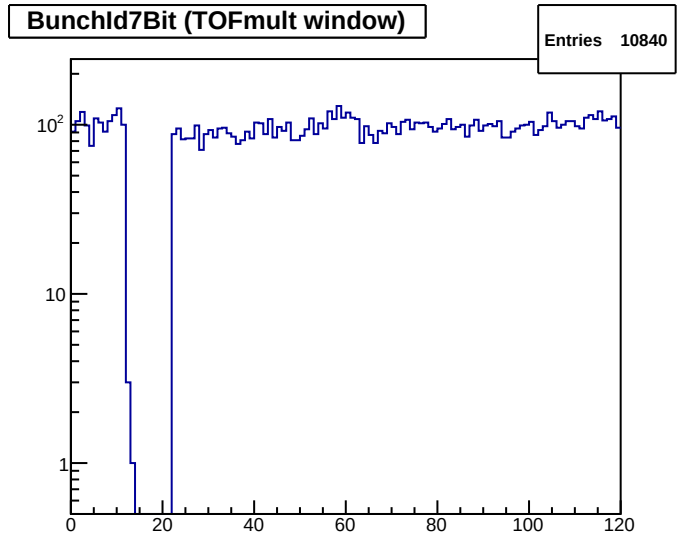

BunchId7Bit (VPD-TAC)
Entries 160528

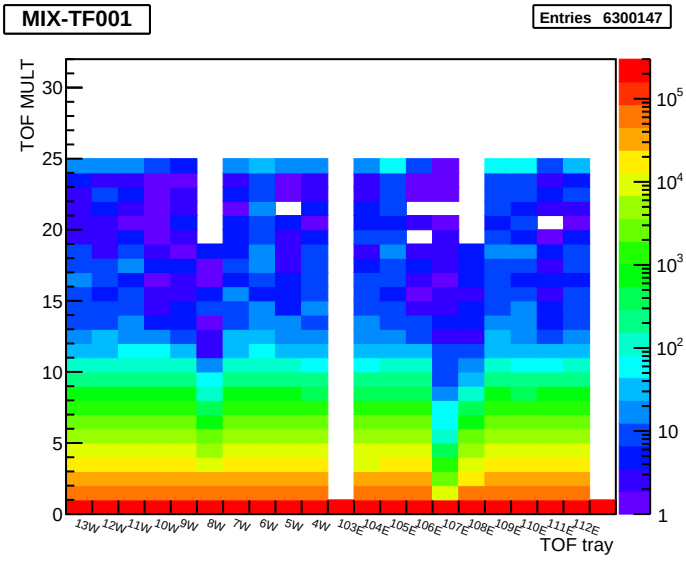

BunchId7Bit (ZDC-TAC)
Entries 687

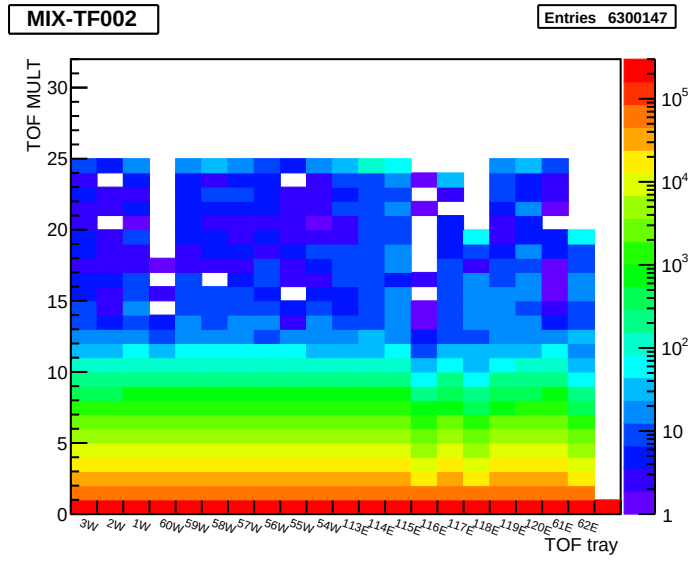

BunchId7Bit (EPD-TAC)
Entries 233119

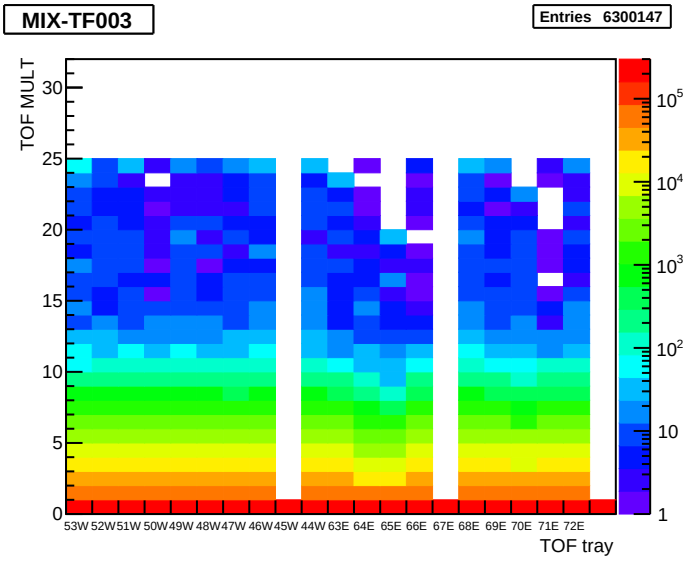

BunchId7Bit (BBC-TAC)
Entries 116727

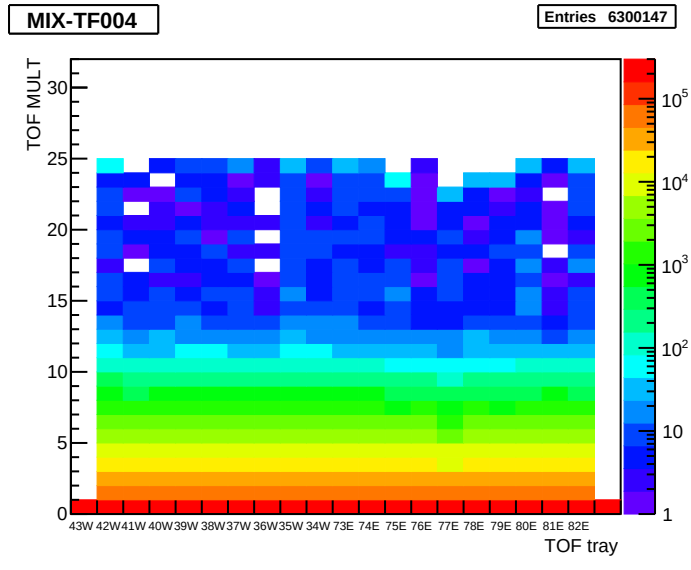

BunchId7Bit (Laser)
Entries 0

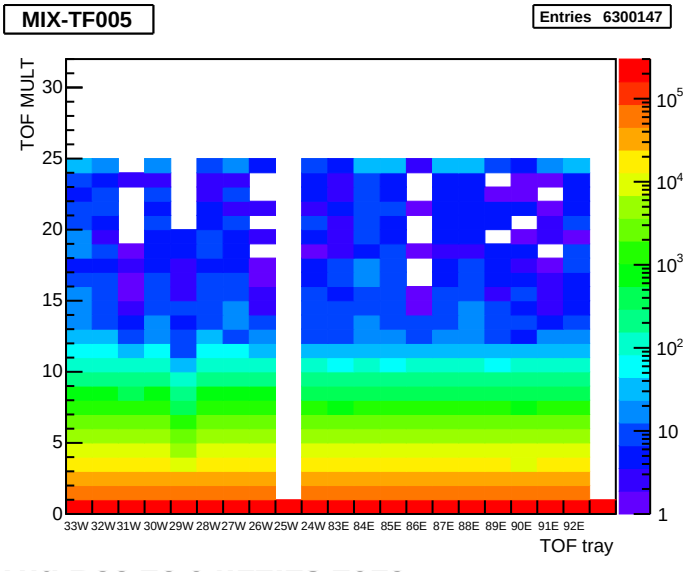

BunchId7Bit (TOFmult window)
Entries 10840

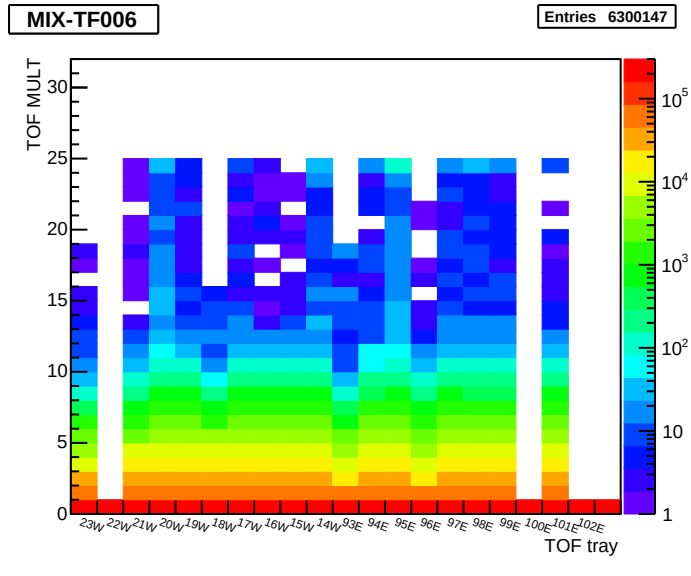

MIX-TF001
Entries 6300147
TOF MULT
TOF tray

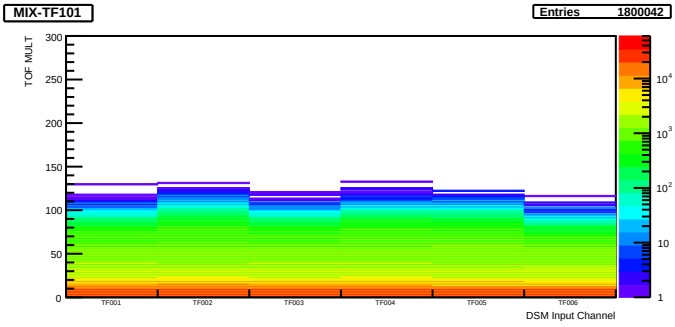

MIX-TF002
Entries 6300147
TOF MULT
TOF tray

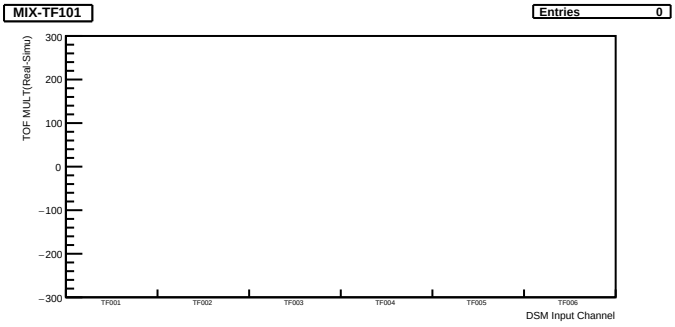

MIX-TF003
Entries 6300147
TOF MULT
TOF tray

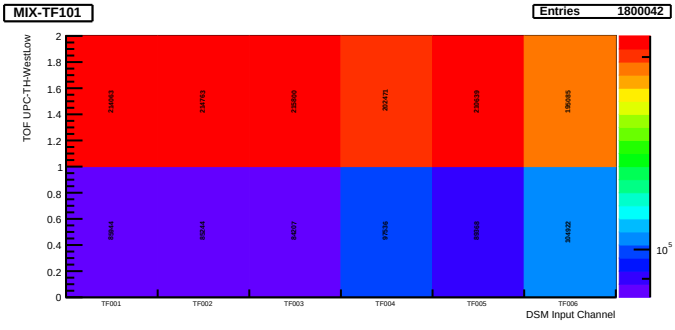

MIX-TF004
Entries 6300147
TOF MULT
TOF tray

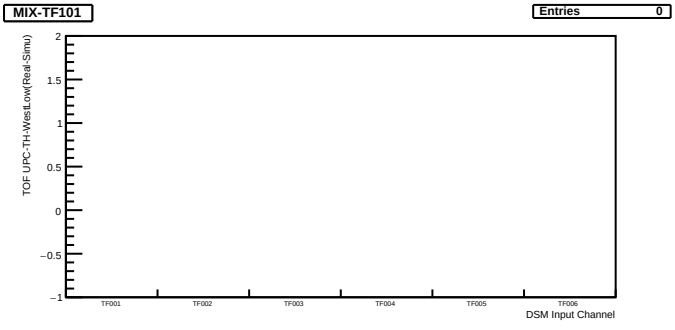

MIX-TF005
Entries 6300147
TOF MULT
TOF tray

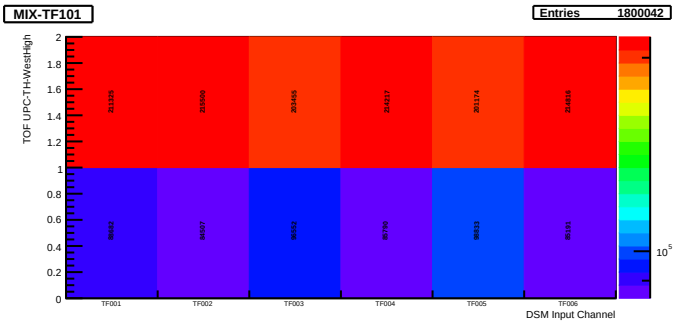

MIX-TF006
Entries 6300147
TOF MULT
TOF tray

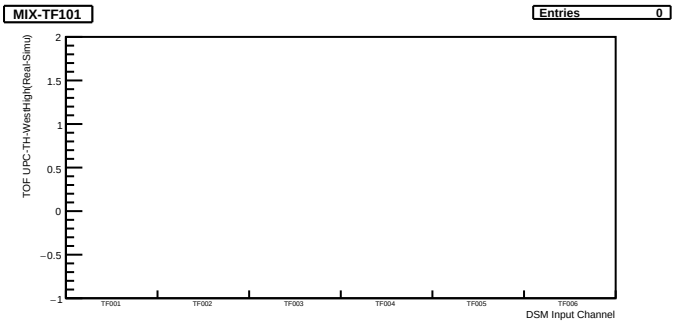

MIX-TF101
Entries 1800042
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

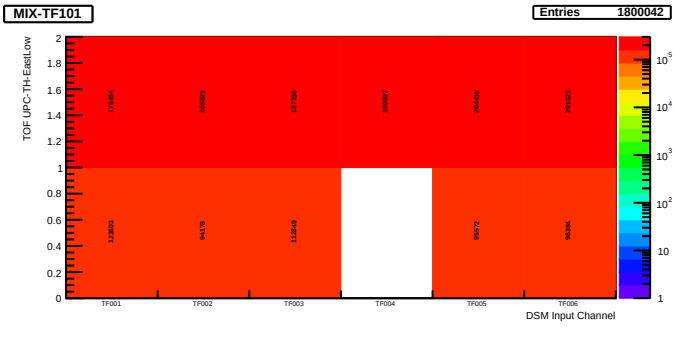

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

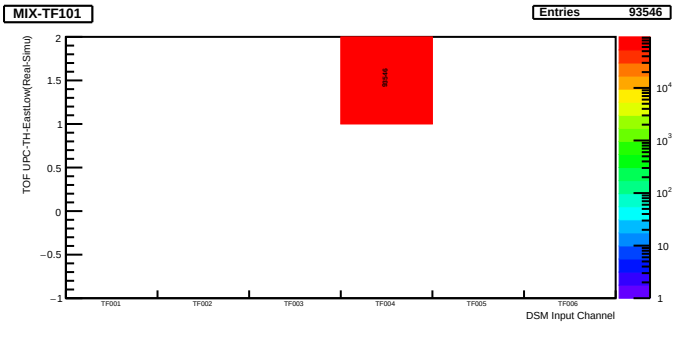

MIX-TF101
Entries 1800042
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

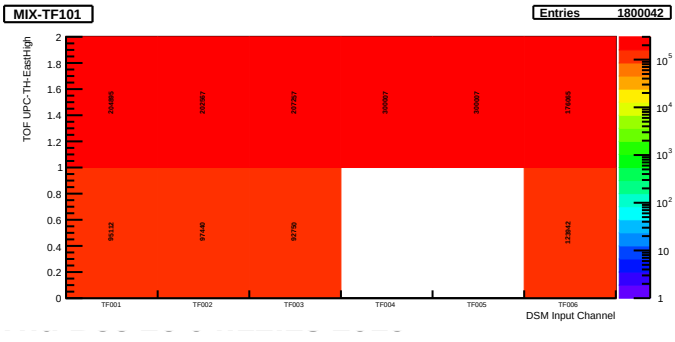

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

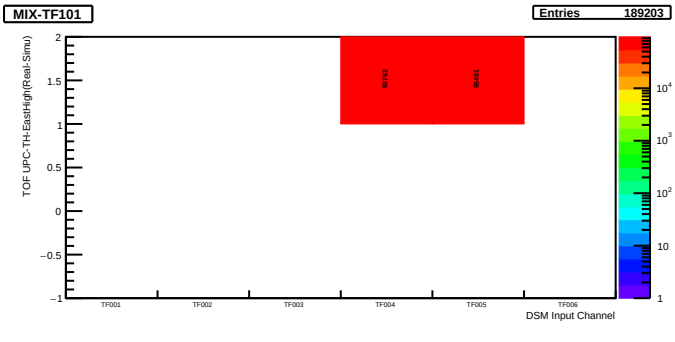

MIX-TF101
Entries 1800042
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

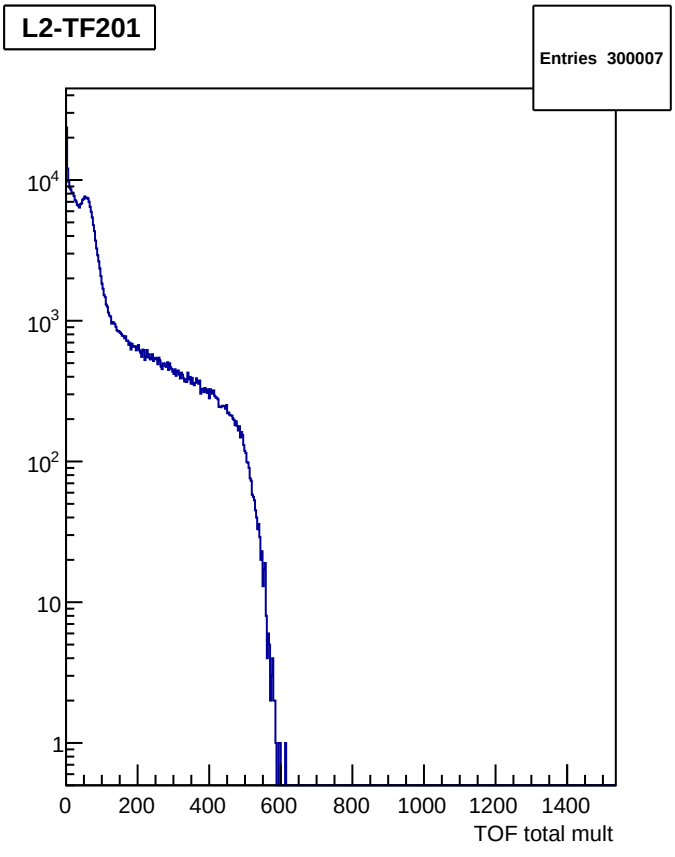

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

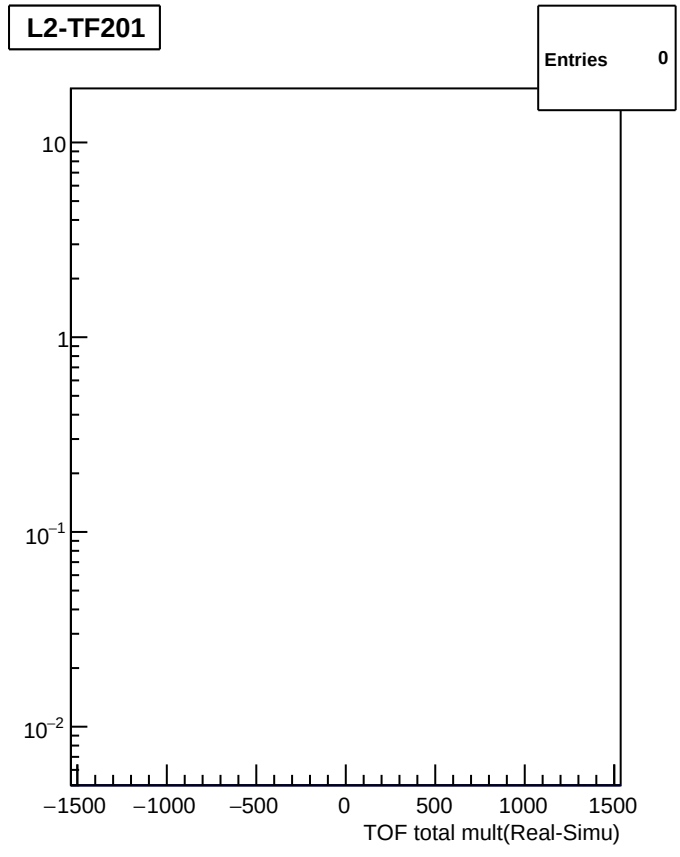

MIX-TF101
Entries 1800042
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

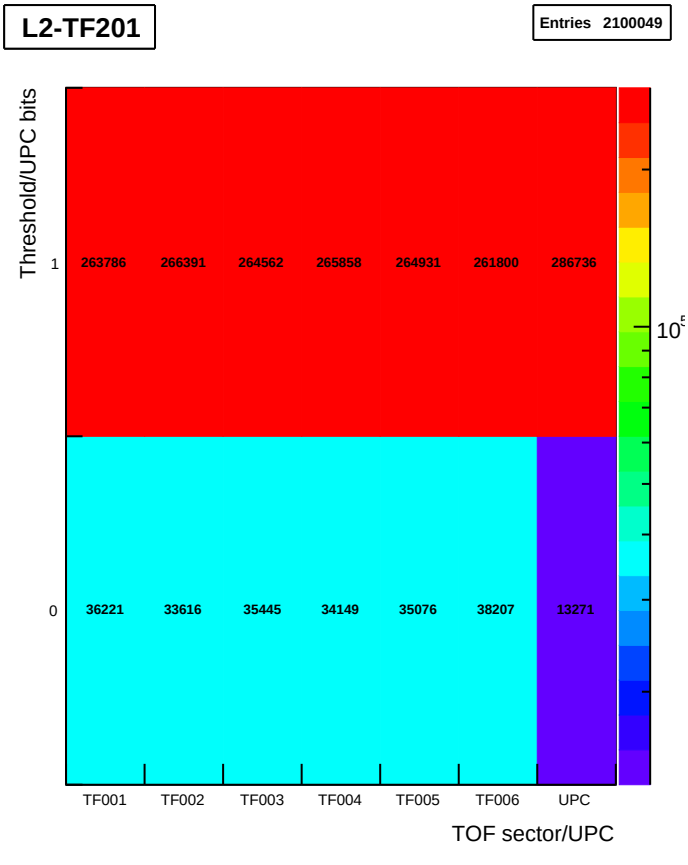

MIX-TF101
Entries 93546
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

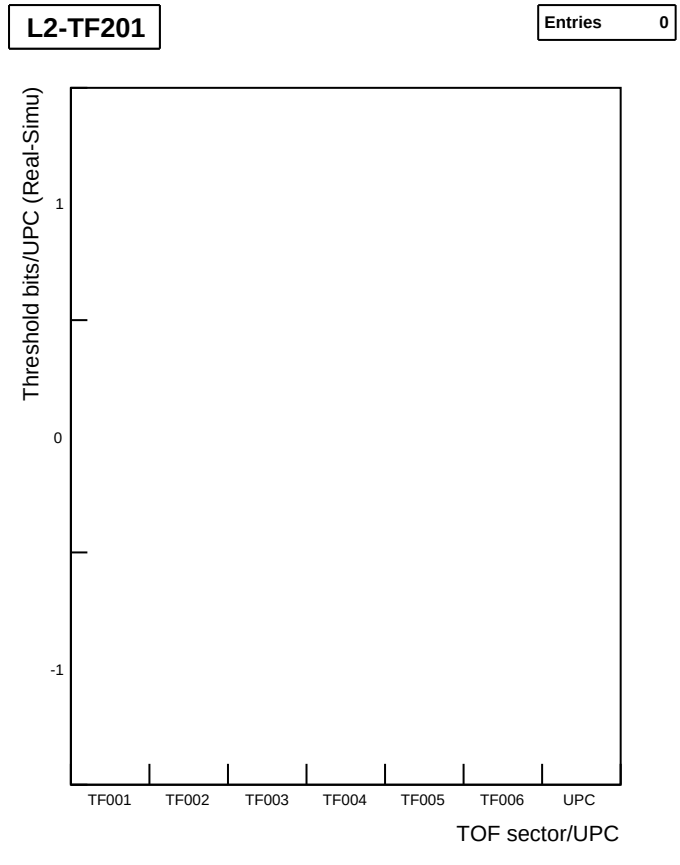

MIX-TF101
Entries 1800042
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

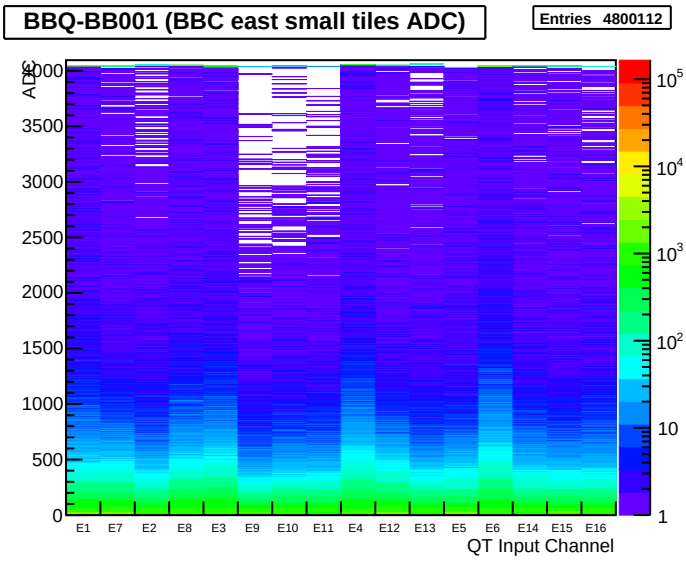

MIX-TF101
Entries 189203
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

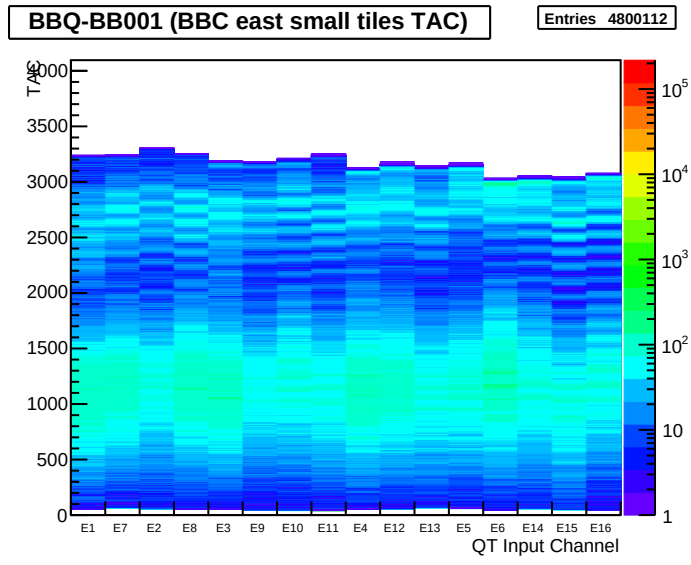

L2-TF201
Entries 300007
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

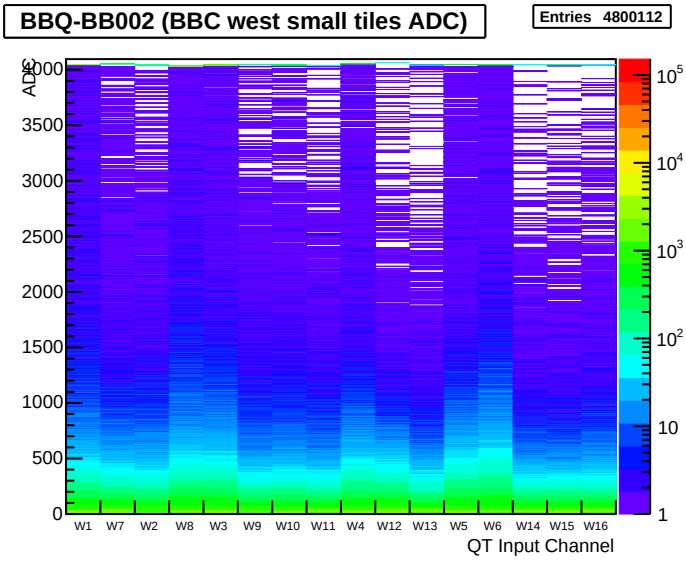

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

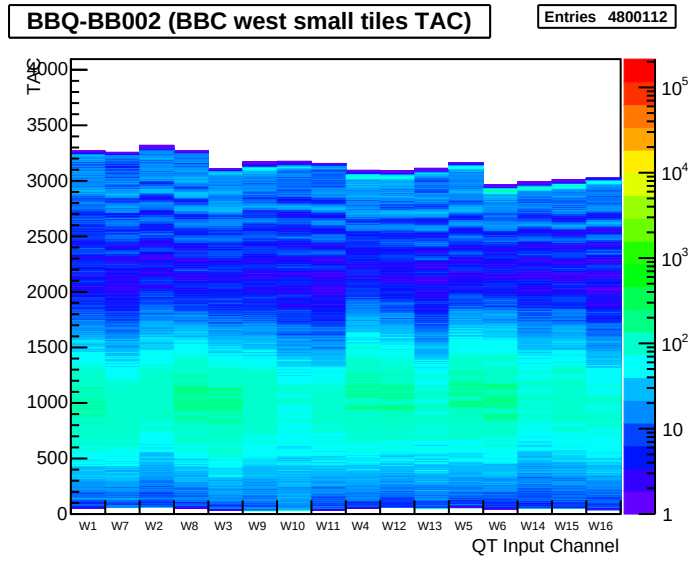

L2-TF201
Entries 2100049
Threshold/UPC bits
1
0
263786
266391
264562
265858
264931
261800
286736
36221
33616
35445
34149
35076
38207
13271
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

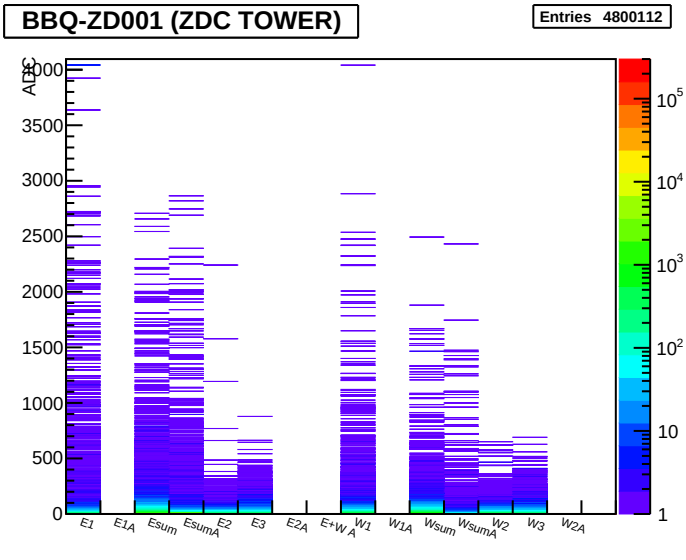

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

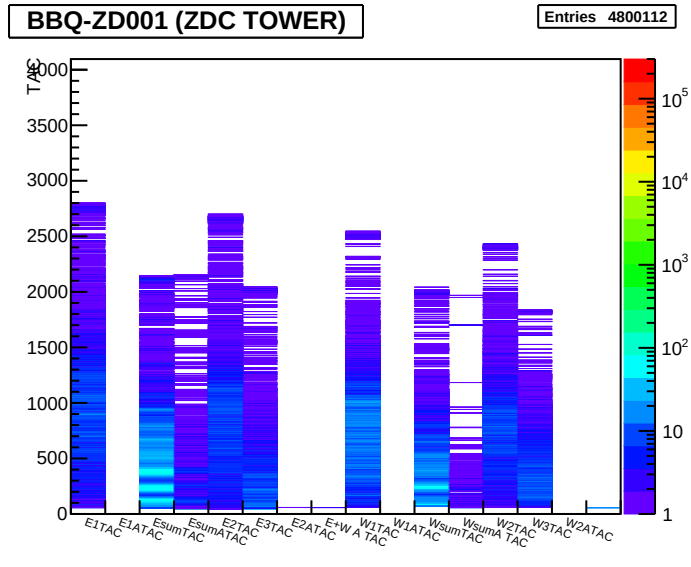

BBQ-BB001 (BBC east small tiles ADC)
Entries 4800112
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

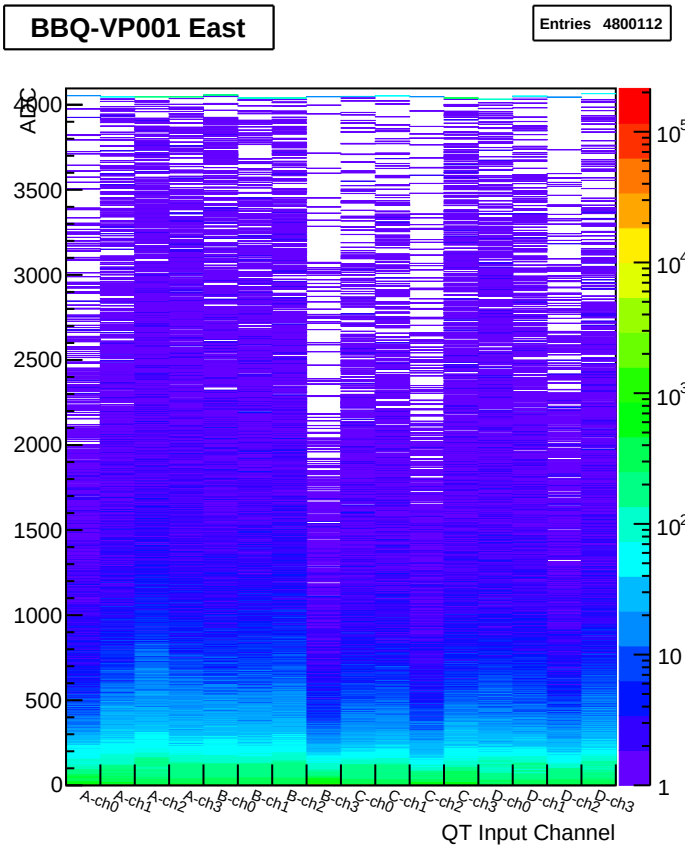

BBQ-BB001 (BBC east small tiles TAC)
Entries 4800112
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

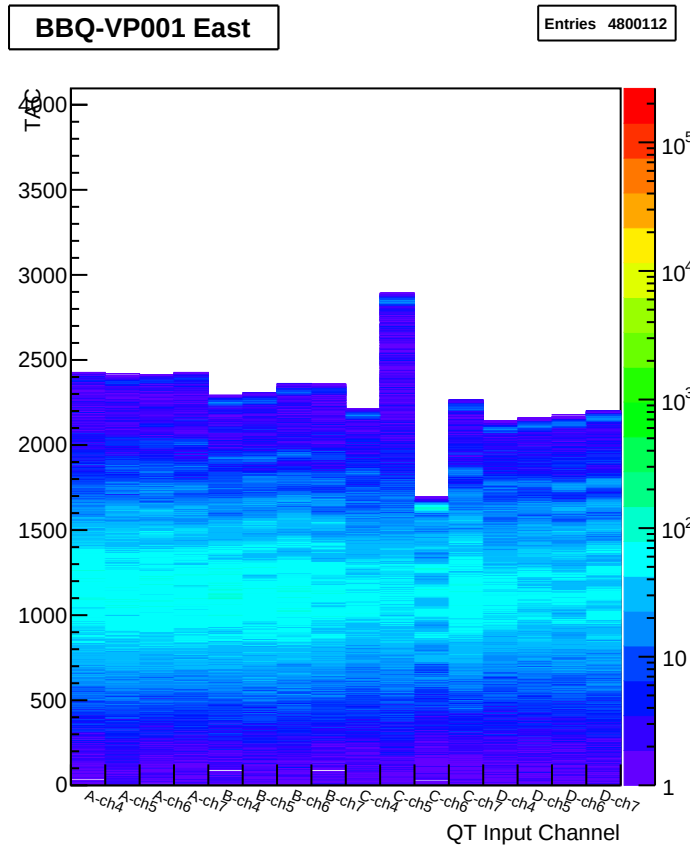

BBQ-BB002 (BBC west small tiles ADC)
Entries 4800112
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

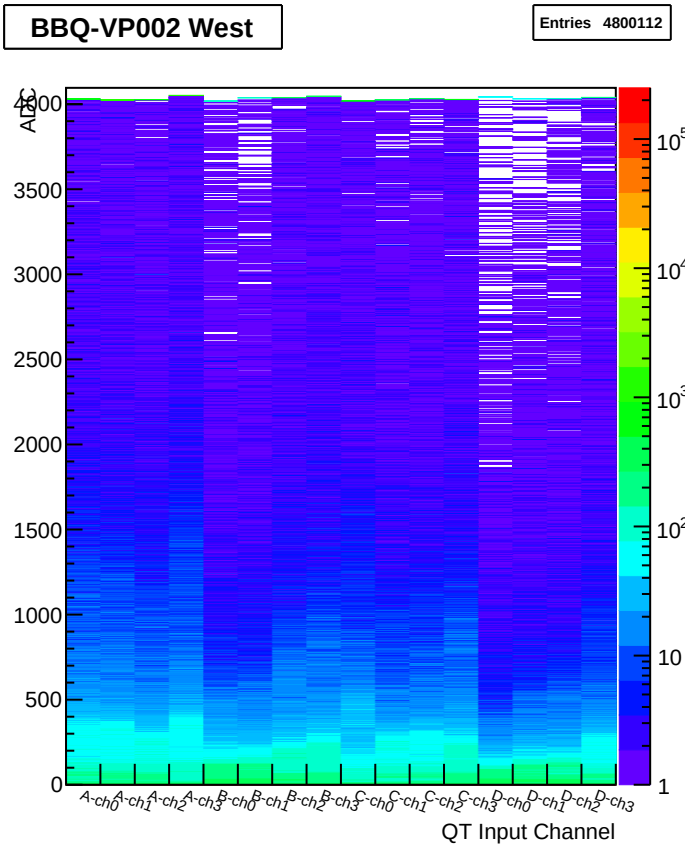

BBQ-BB002 (BBC west small tiles TAC)
Entries 4800112
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

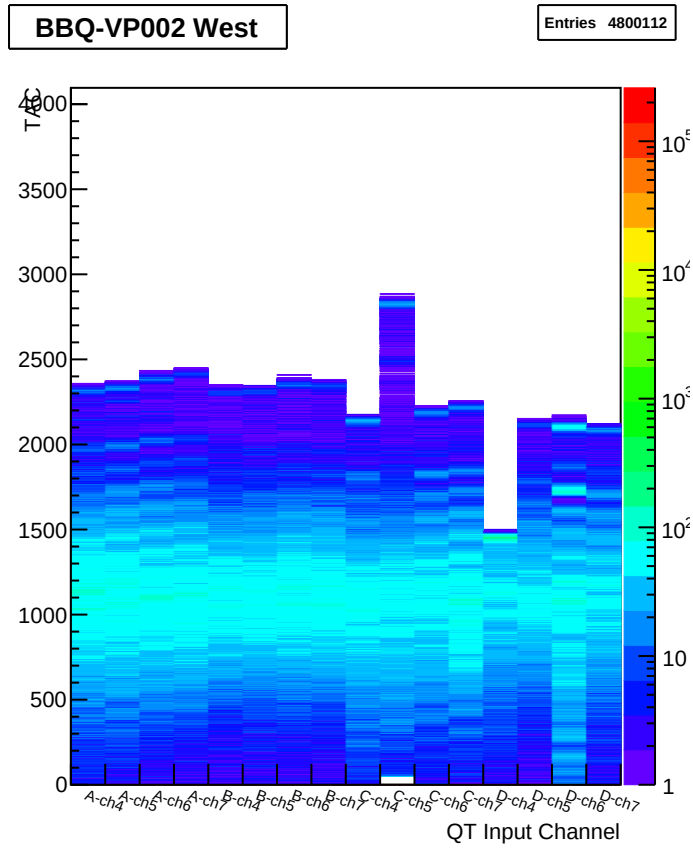

BBQ-ZD001 (ZDC TOWER)
Entries 4800112
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

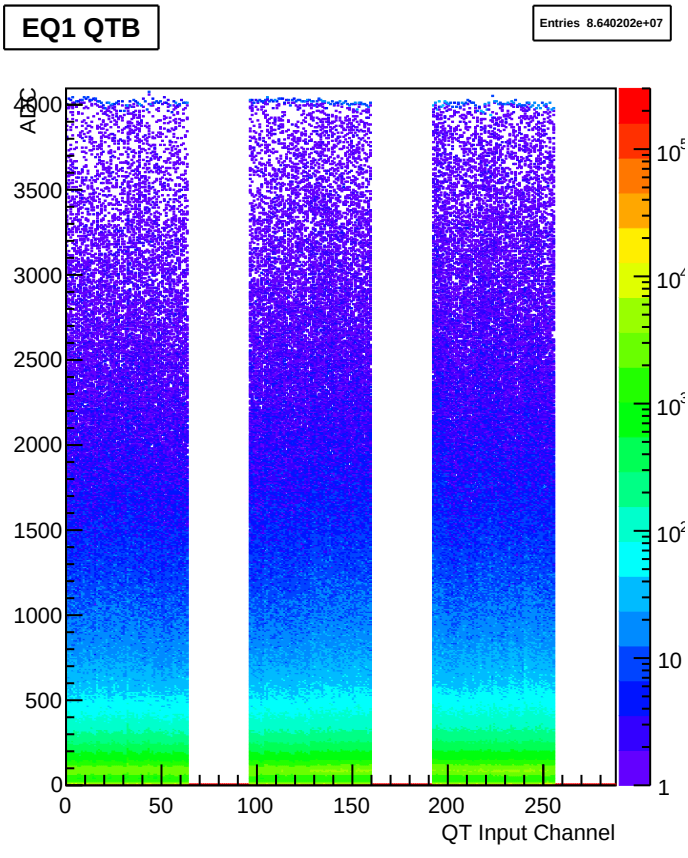

BBQ-ZD001 (ZDC TOWER)
Entries 4800112
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

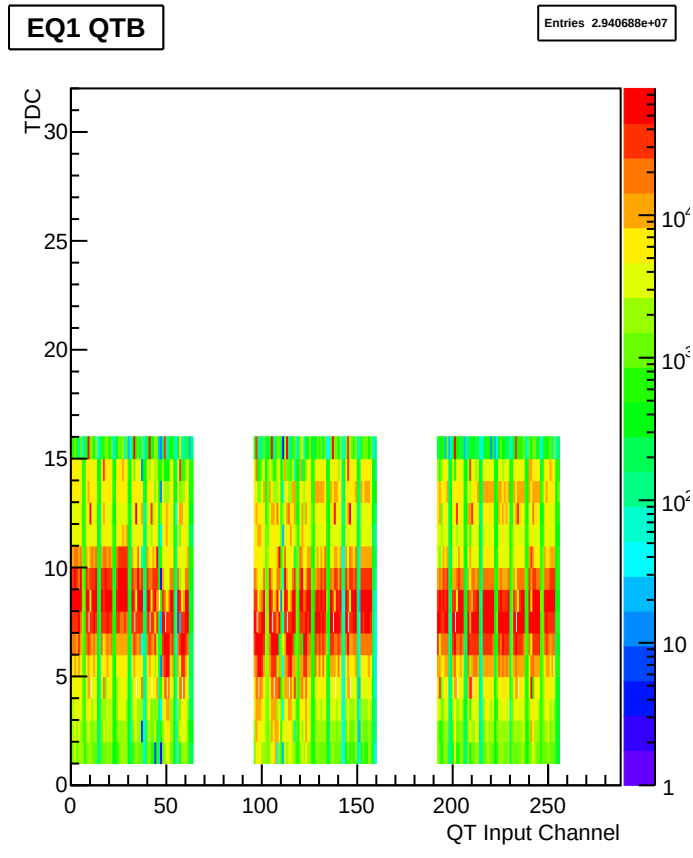

BBQ-VP001 East
Entries 4800112
ADC
QT Input Channel

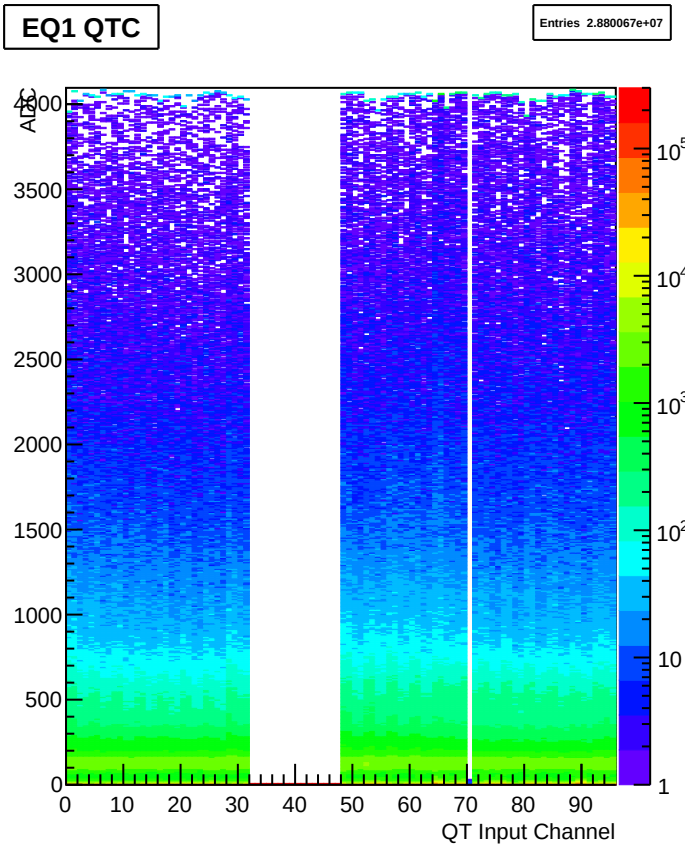

BBQ-VP001 East
Entries 4800112
TADC
QT Input Channel

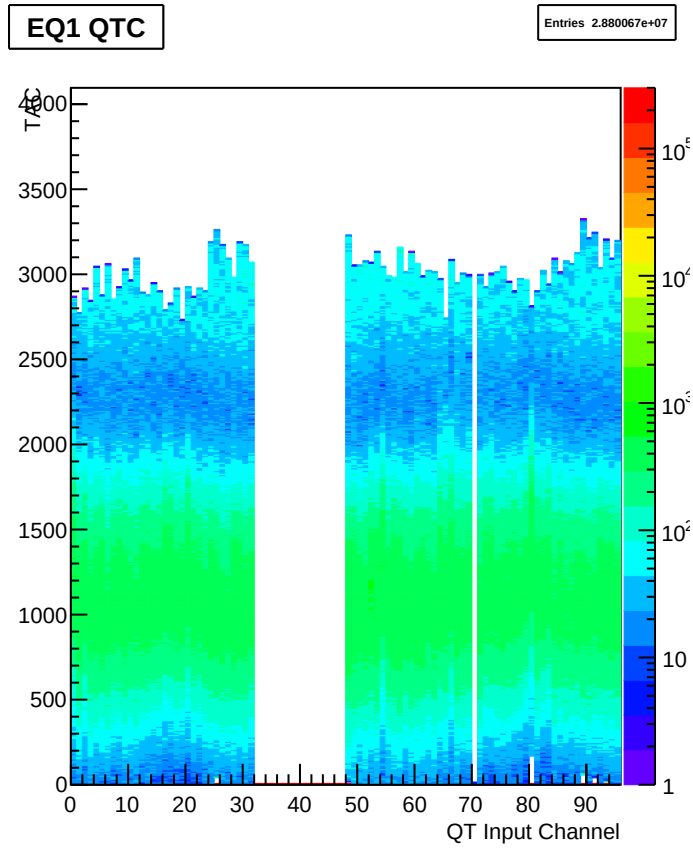

BBQ-VP002 West
Entries 4800112
ADC
QT Input Channel

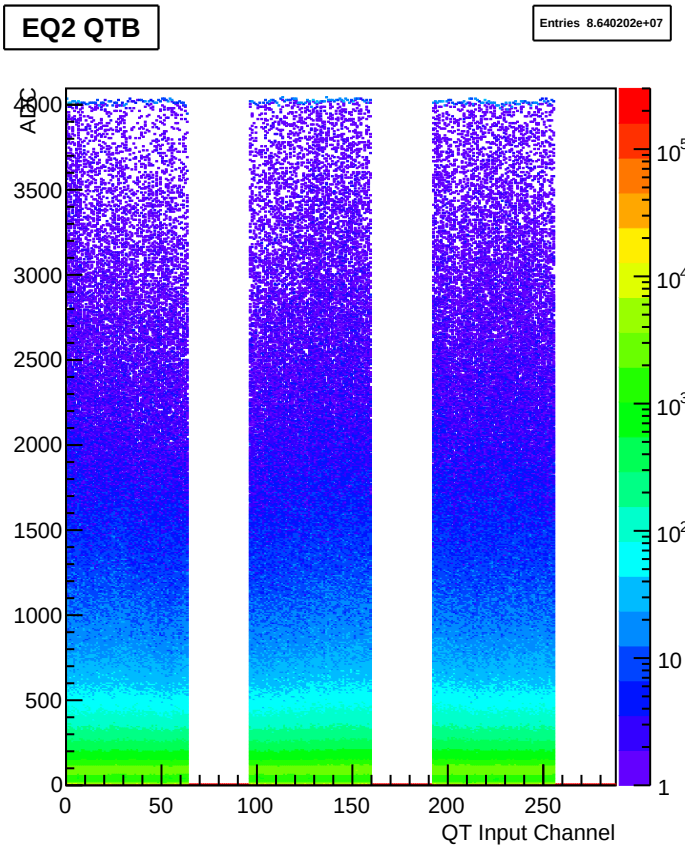

BBQ-VP002 West
Entries 4800112
TADC
QT Input Channel

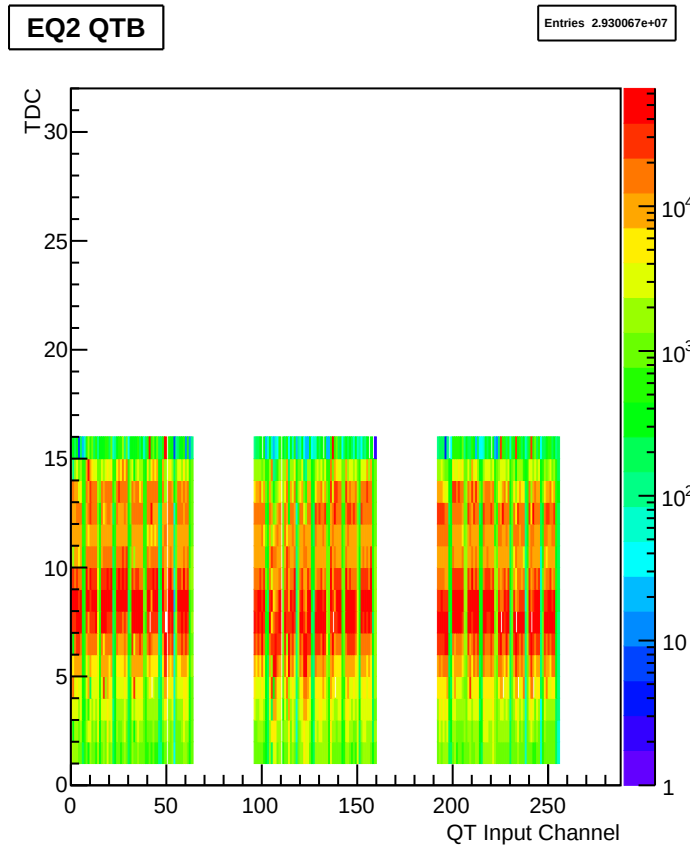

EQ1 QTB
Entries 8.640202e+07
ADC
QT Input Channel

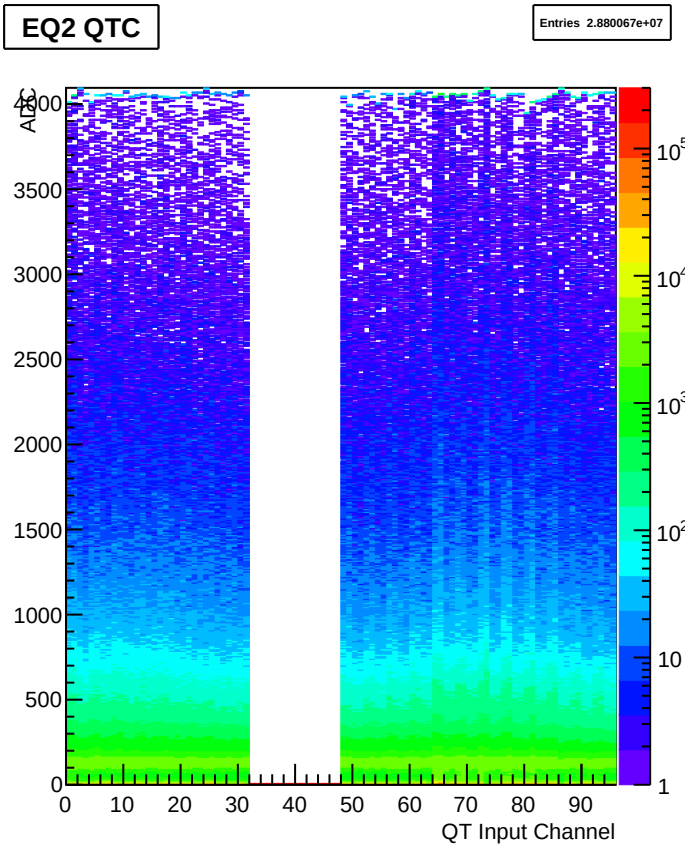

EQ1 QTB
Entries 2.940688e+07
TDC
QT Input Channel

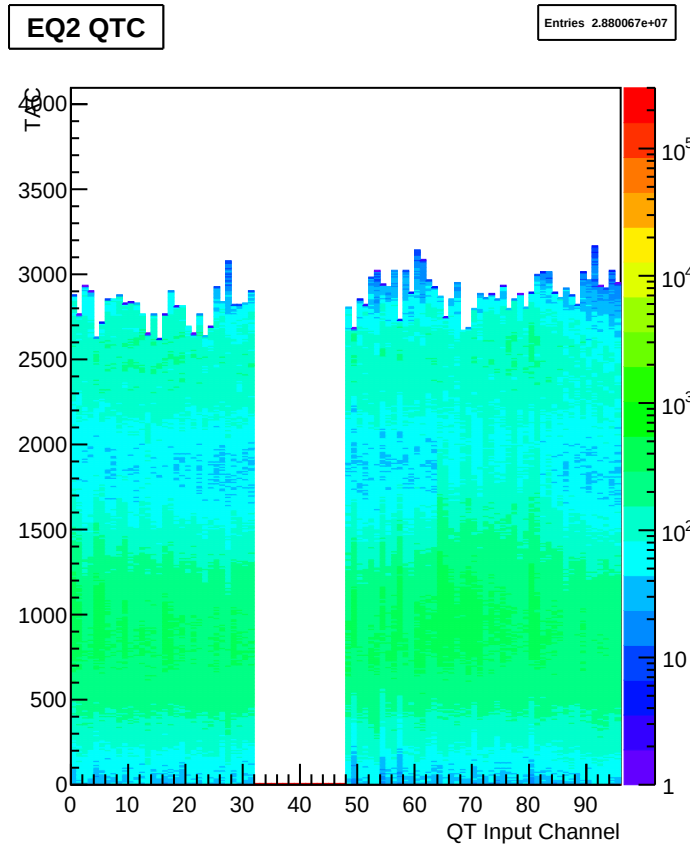

EQ1 QTC
Entries 2.880067e+07
ADC
QT Input Channel

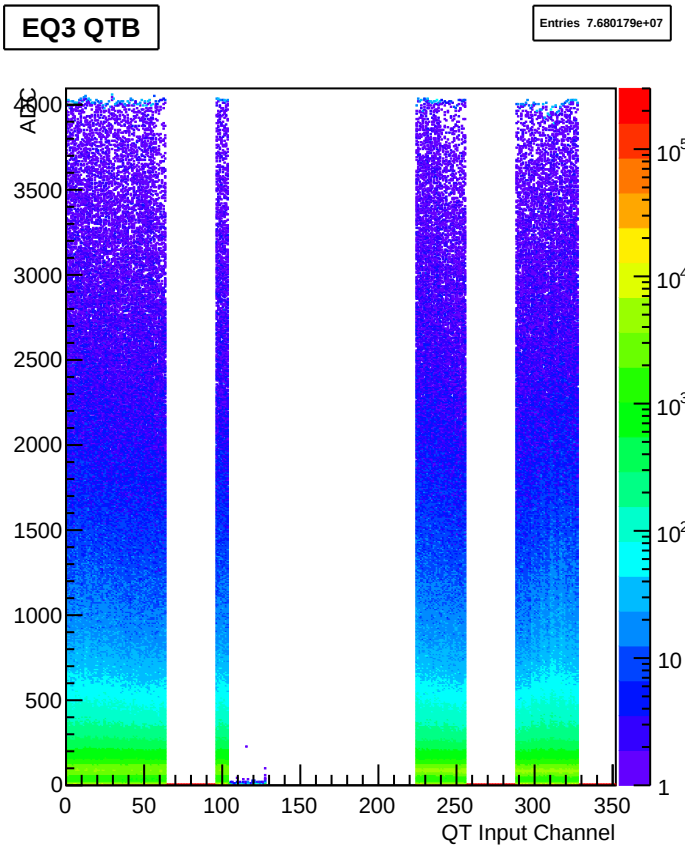

EQ1 QTC
Entries 2.880067e+07
TADC
QT Input Channel

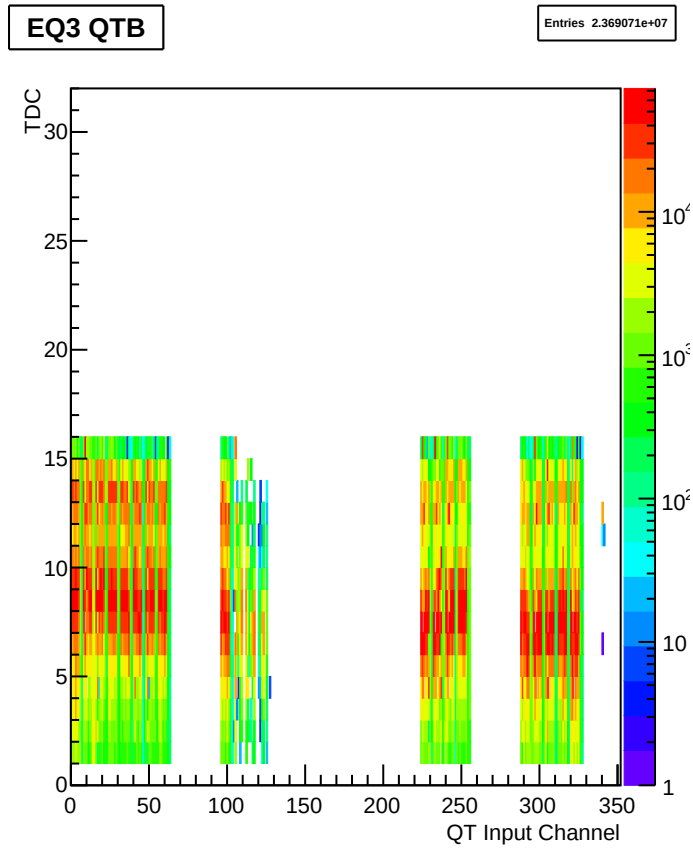

EQ2 QTB
Entries 8.640202e+07
ADC
QT Input Channel

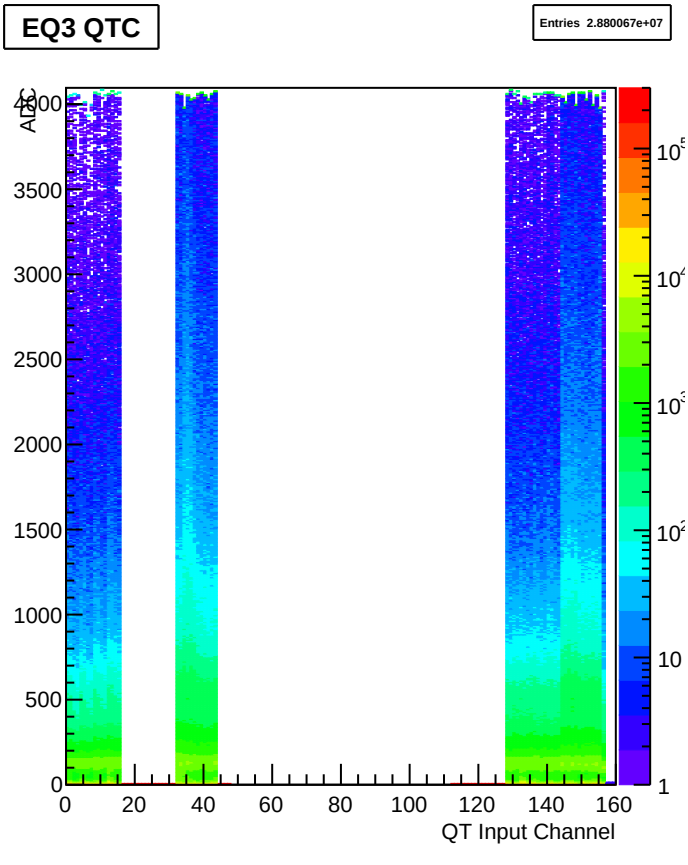

EQ2 QTB
Entries 2.930067e+07
TDC
QT Input Channel

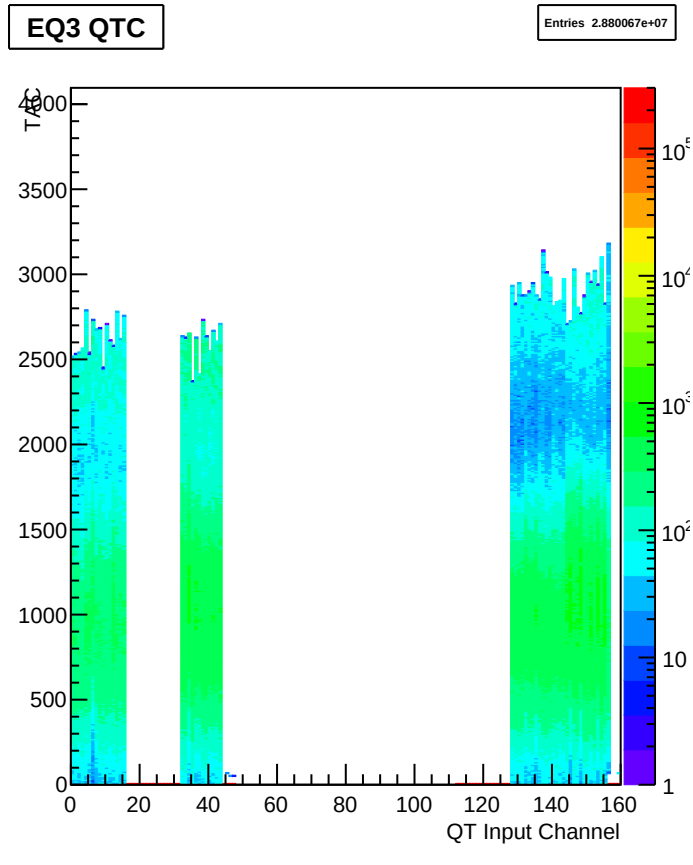

EQ2 QTC
Entries 2.880067e+07
ADC
QT Input Channel

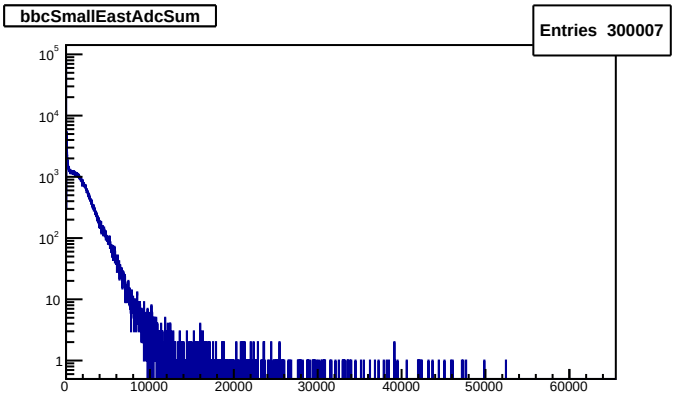

EQ2 QTC
Entries 2.880067e+07
TADC
QT Input Channel

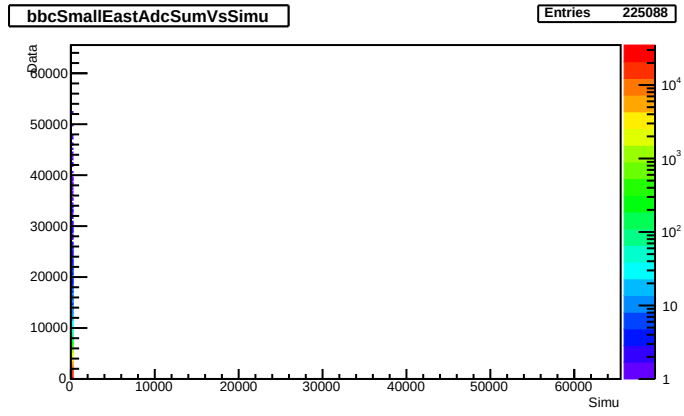

EQ3 QTB
Entries 7.680179e+07
ADC
QT Input Channel

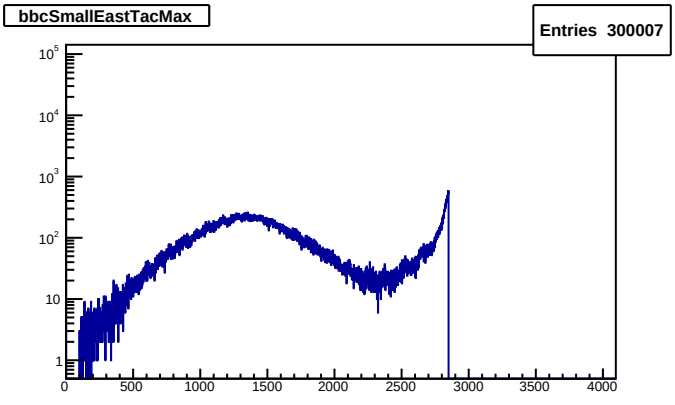

EQ3 QTB
Entries 2.369071e+07
TDC
QT Input Channel

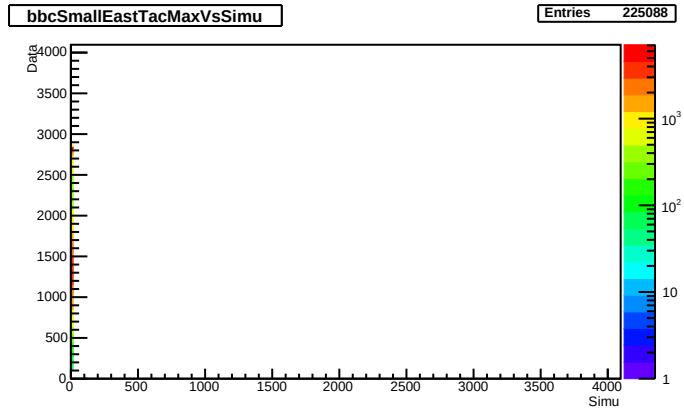

EQ3 QTC
Entries 2.880067e+07
ADC
QT Input Channel

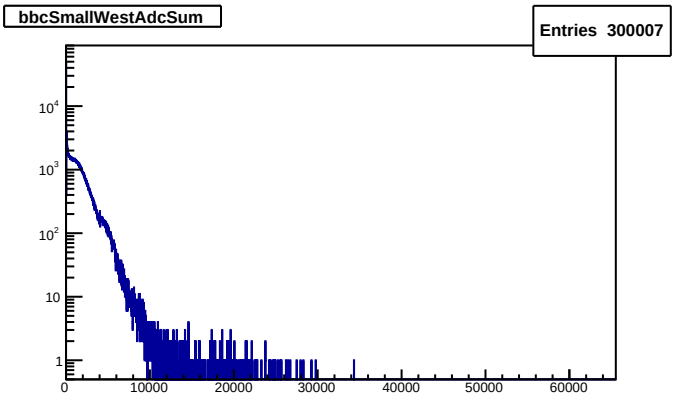

EQ3 QTC
Entries 2.880067e+07
TADC
QT Input Channel

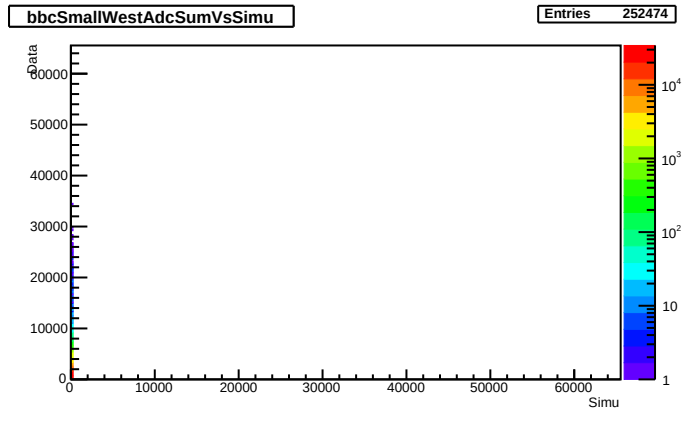

bbcSmallEastAdcSum
Entries 300007


bbcSmallEastAdcSumVsSimu
Entries 225088
Data
Simu


bbcSmallEastTacMax
Entries 300007


bbcSmallEastTacMaxVsSimu
Entries 225088
Data
Simu


bbcSmallWestAdcSum
Entries 300007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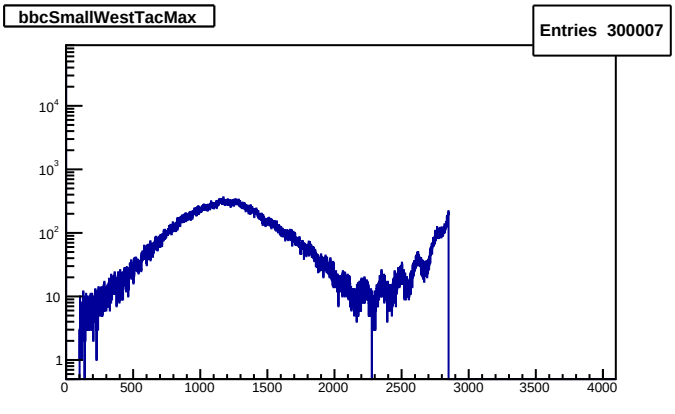
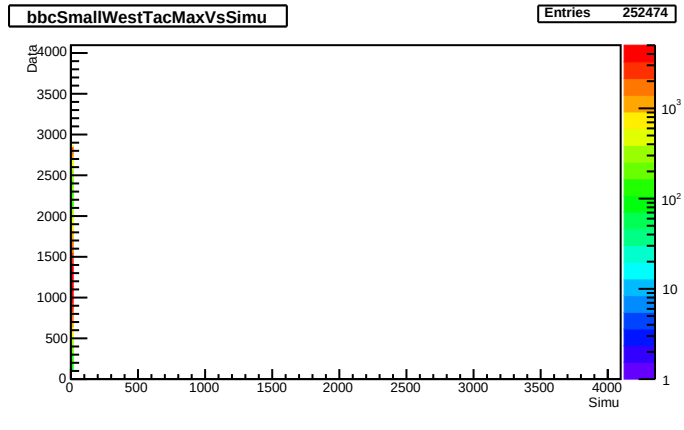
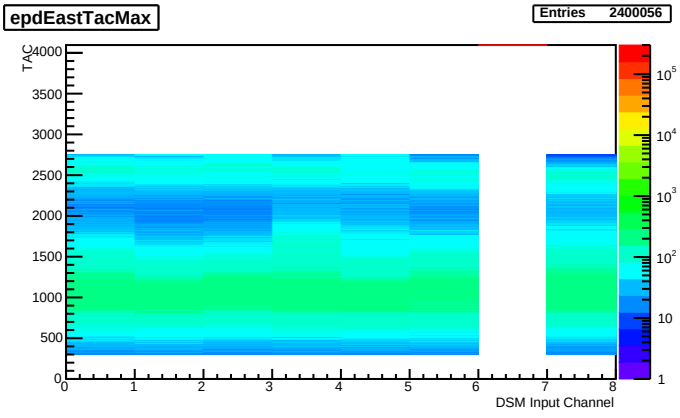
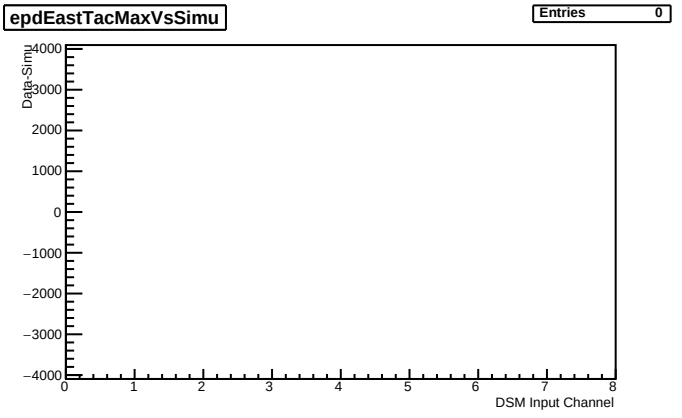
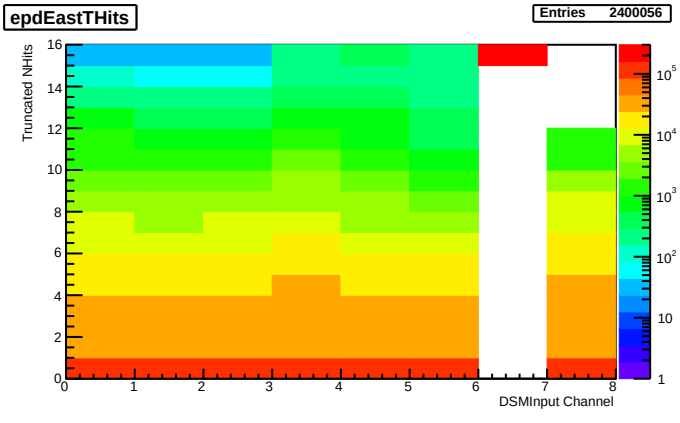
Entries 252474
Data
Simu

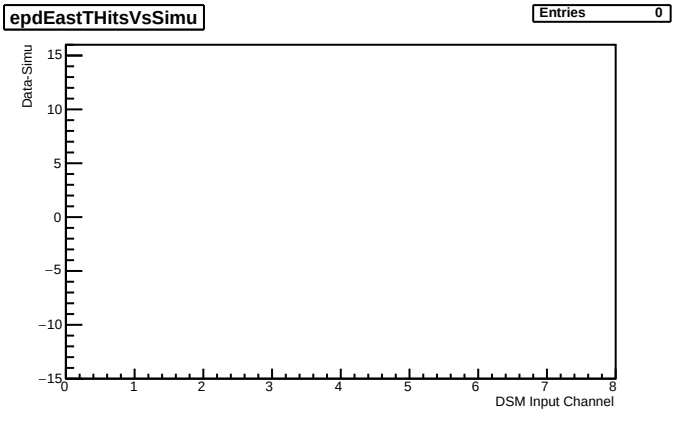

bbcSmallWestTacMax
Entries 300007


bbcSmallWestTacMaxVsSimu
Entries 252474
Data
Simu


epdEastTacMax
Entries 2400056
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2400056
Truncated NHits
DSMInput Channel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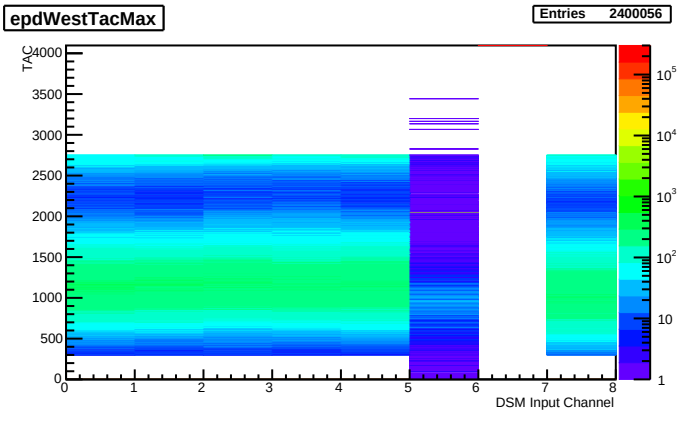
Entries 0
Data-Simu
DSM Input Channel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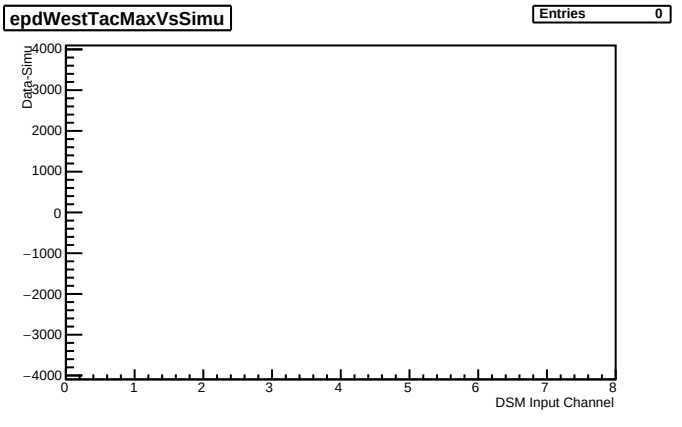
Entries 2400056
TAC
DSM Input Channel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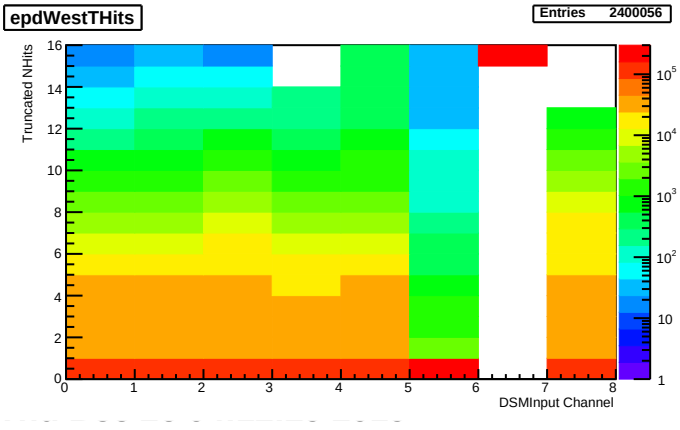
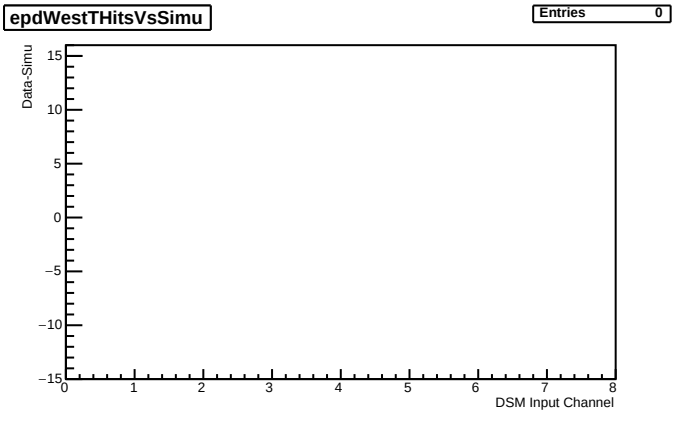
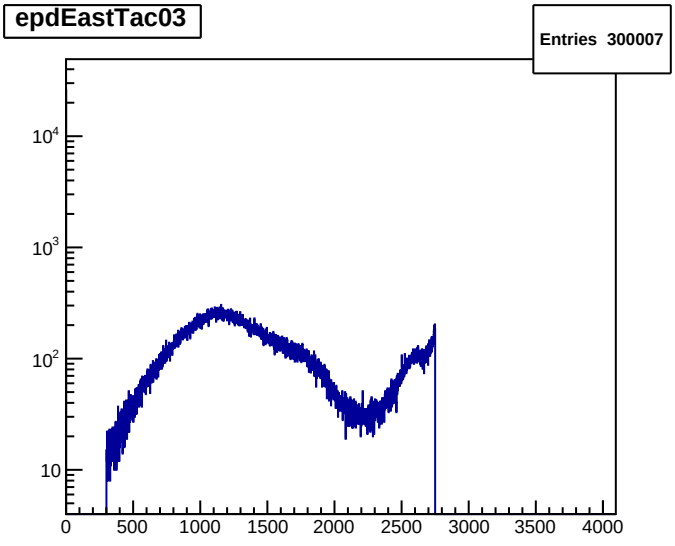
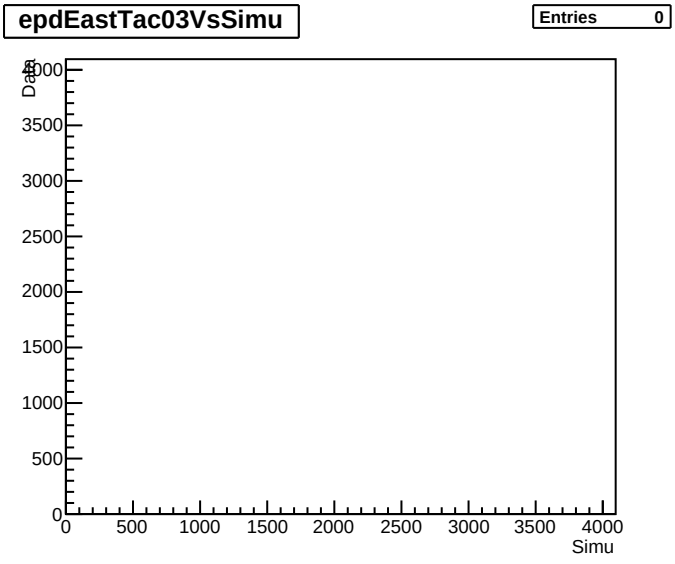
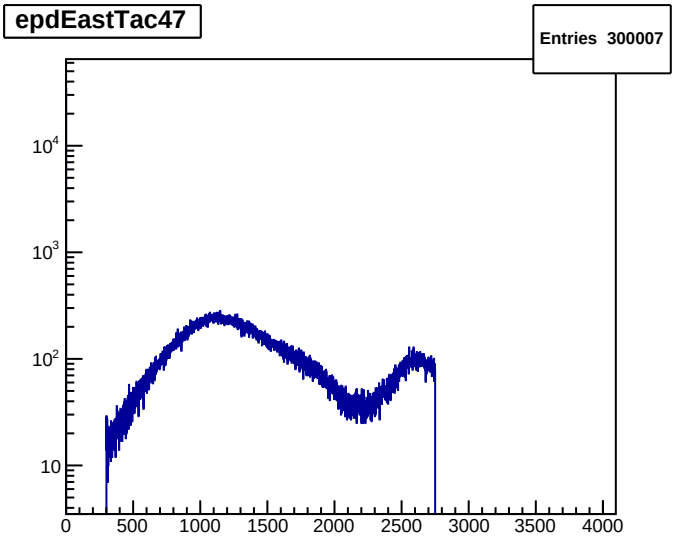
Entries 0
Data-Simu
DSM Input Channel

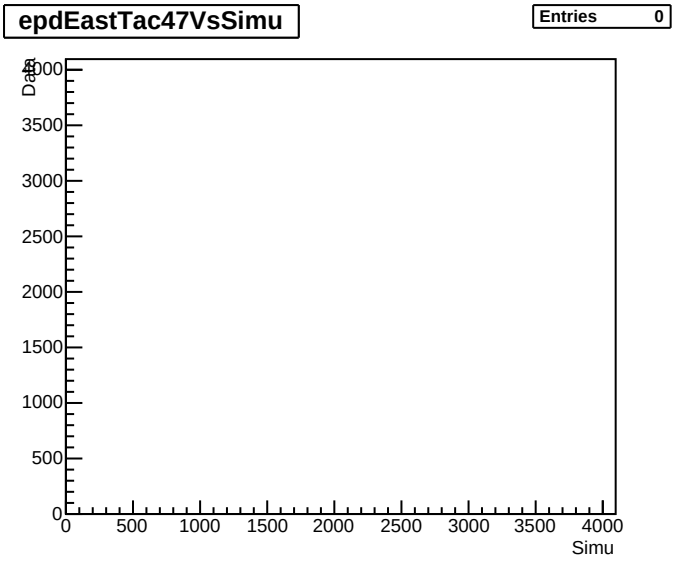

epdWestTHits
Entries 2400056
Truncated NHits
DSMInput Channel

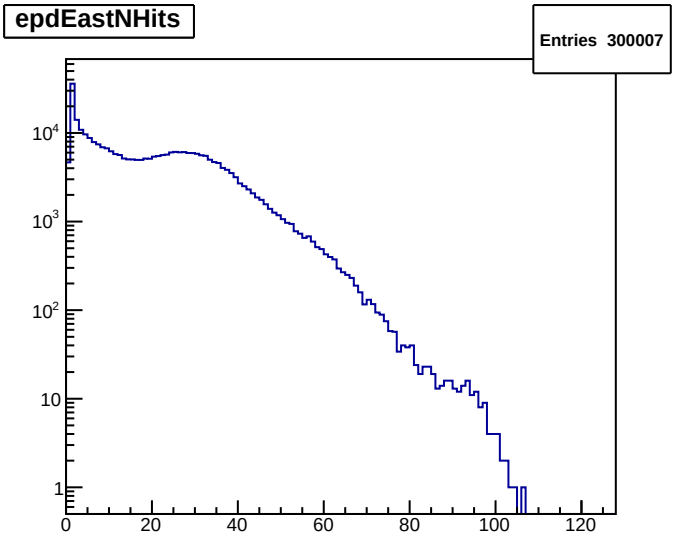

epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel

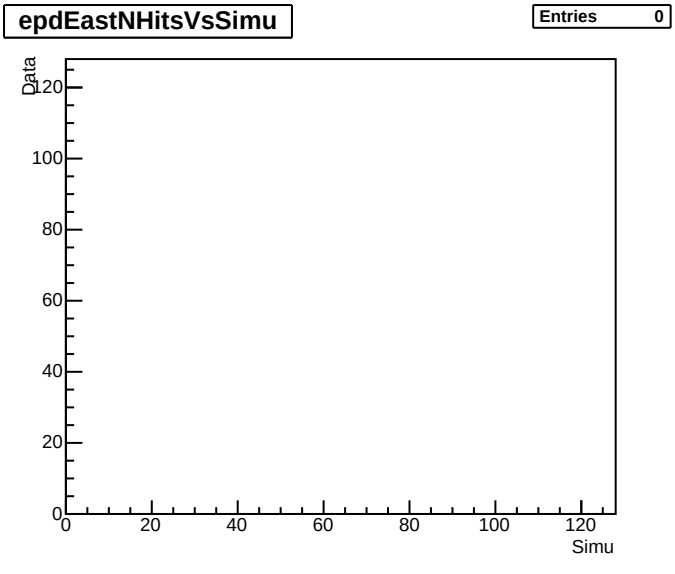

epdEastTac03
Entries 300007


epdEastTac03VsSimu
Entries 0
Data
Simu


epdEastTac47
Entries 300007


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 300007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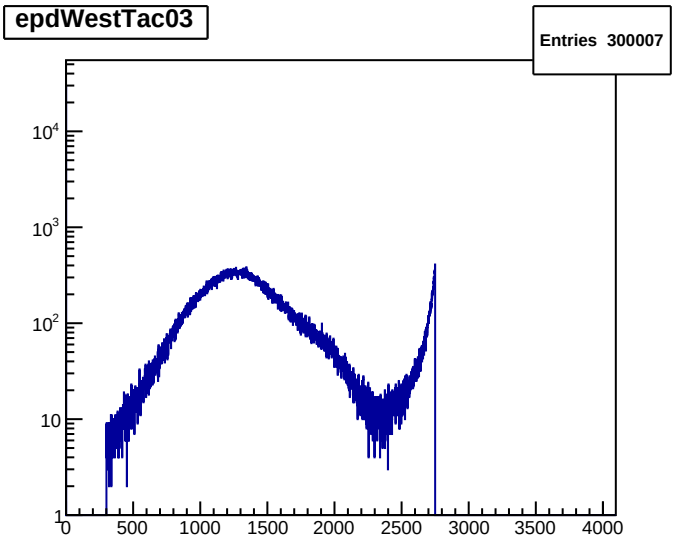
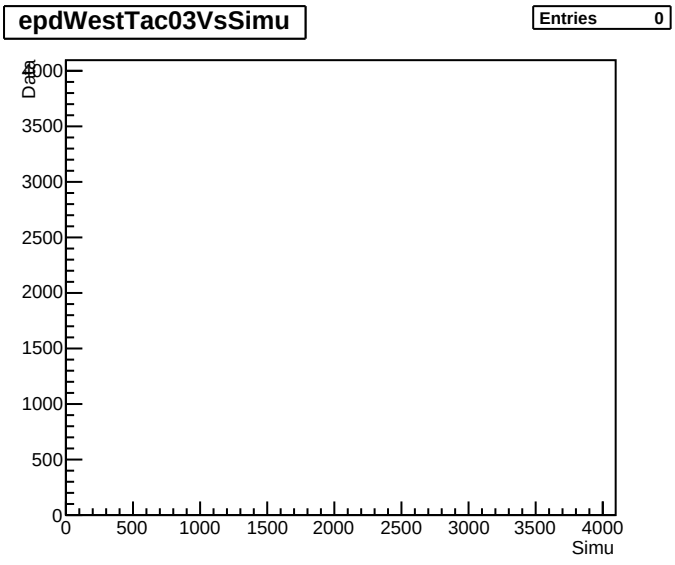
Entries 0
Data
Simu


epdWestTac03
Entries 300007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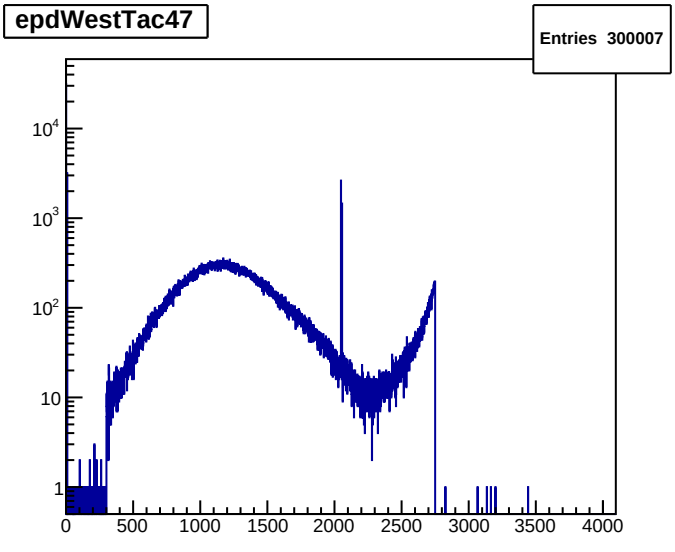
Entries 0
Data
Simu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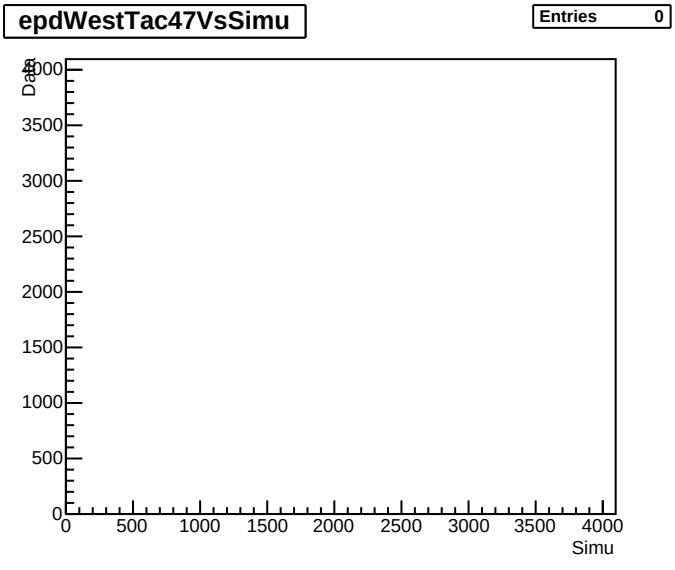
Entries 300007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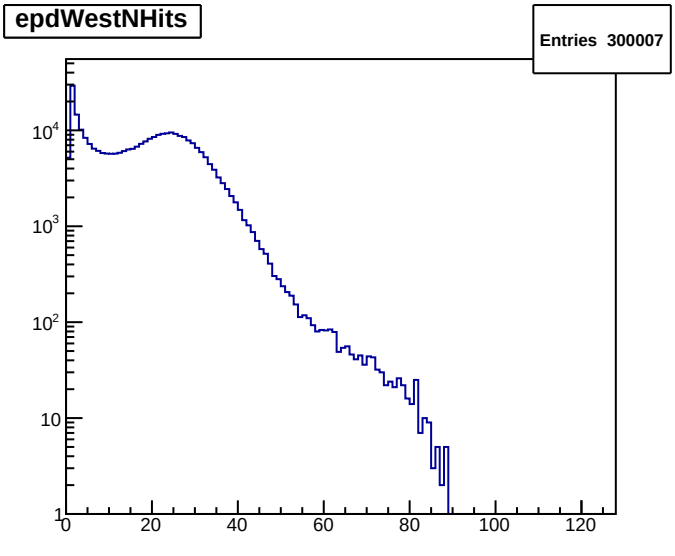
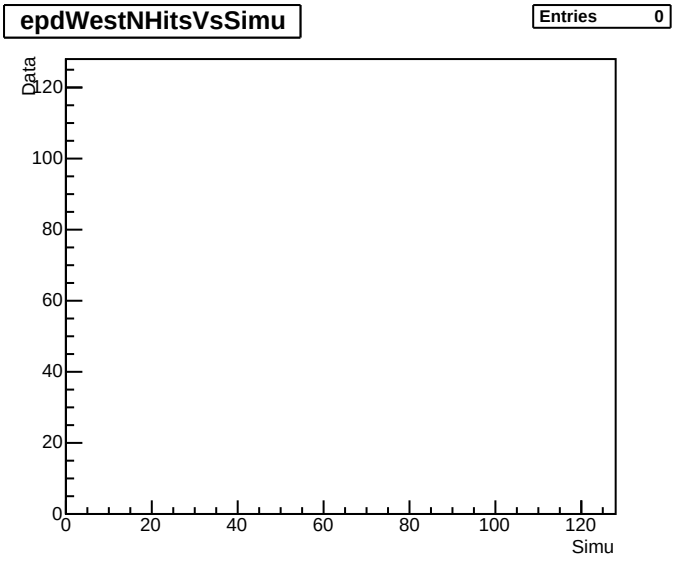
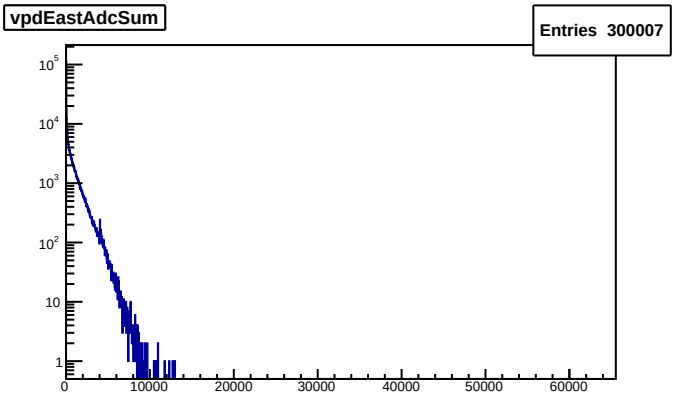
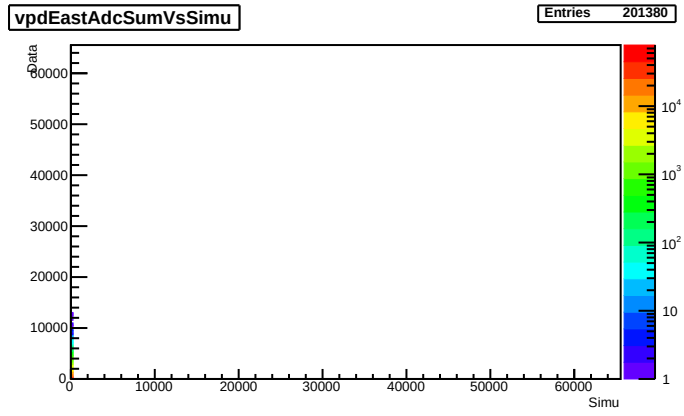
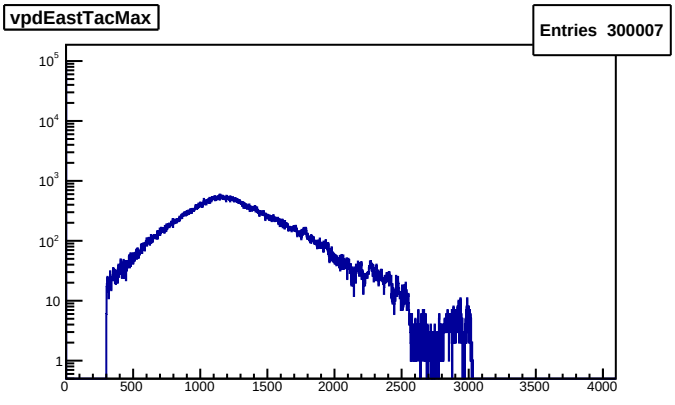
Entries 0
Data
Simu

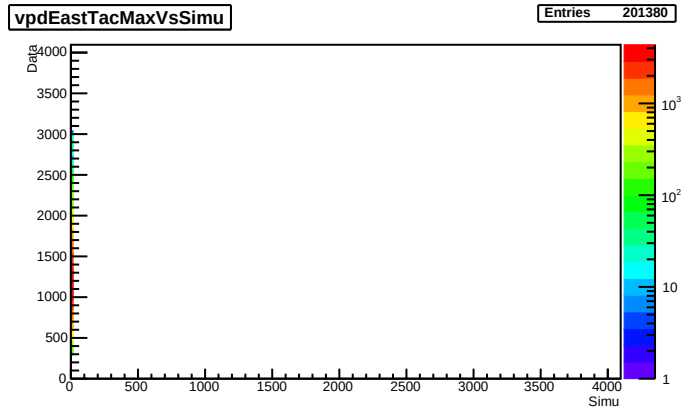

epdWestNHits
Entries 300007

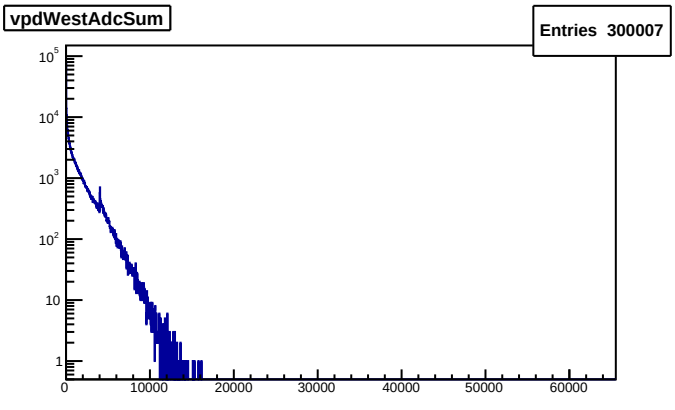

epdWestNHitsVsSimu
Entries 0
Data
Simu

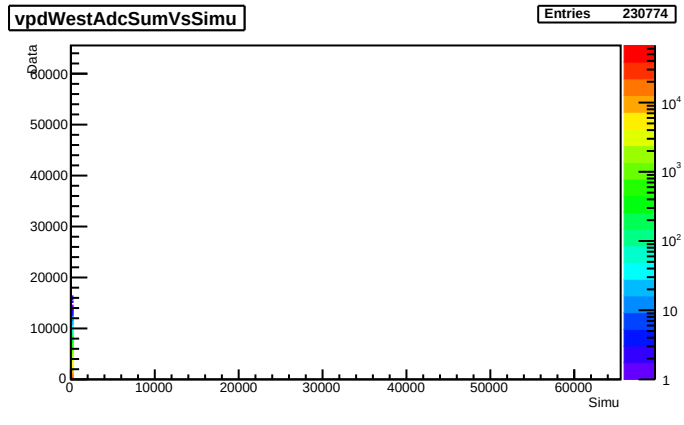

vpdEastAdcSum
Entries 300007

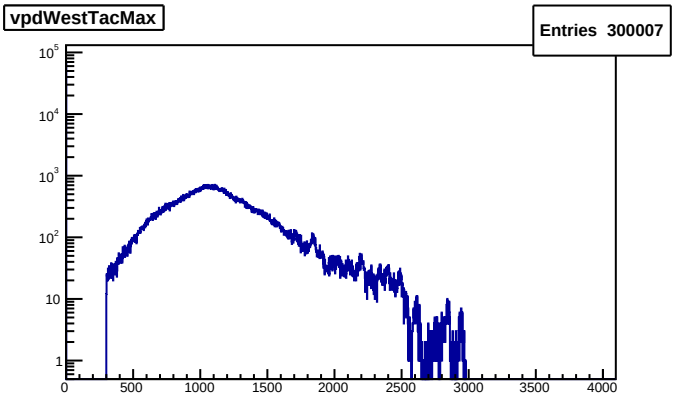

vpdEastAdcSumVsSimu
Entries 201380
Data
Simu

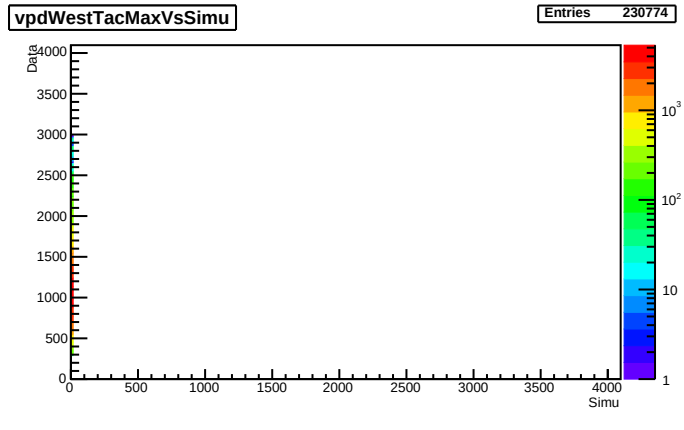

vpdEastTacMax
Entries 300007

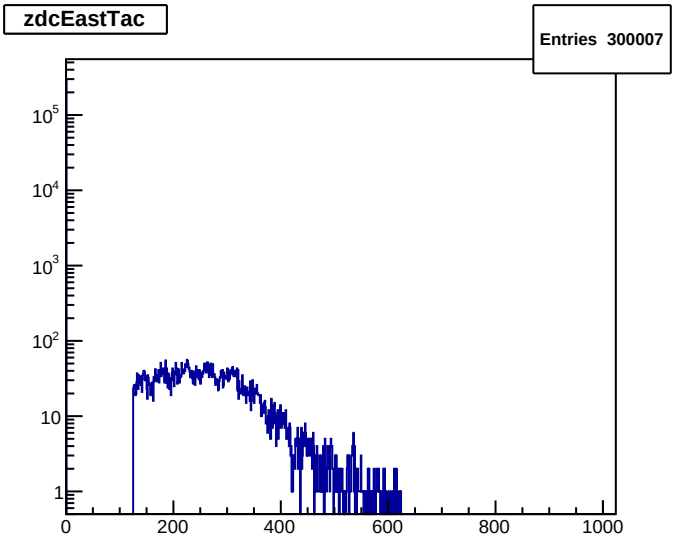

vpdEastTacMaxVsSimu
Entries 201380
Data
Simu

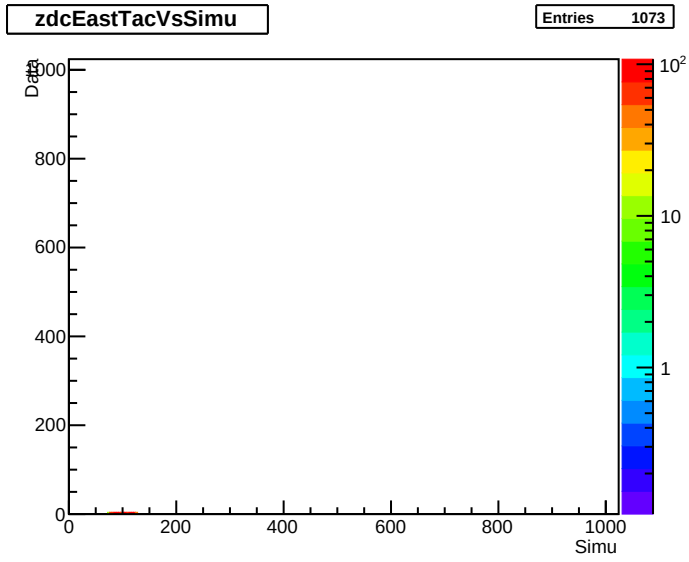

vpdWestAdcSum
Entries 300007

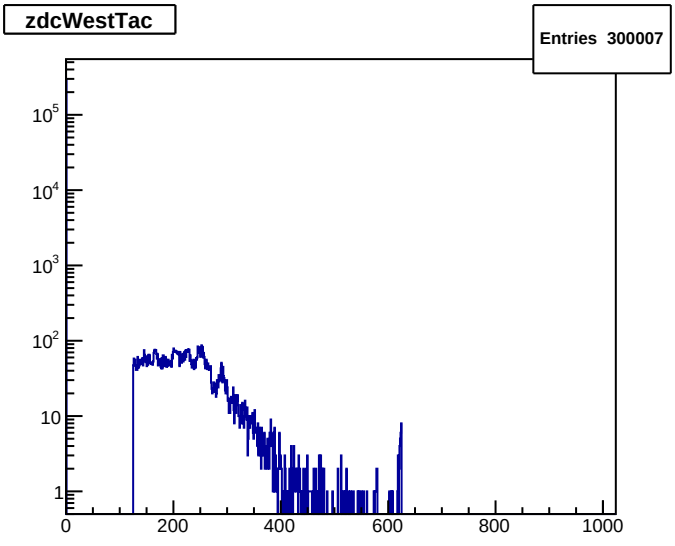

vpdWestAdcSumVsSimu
Entries 230774
Data
Simu

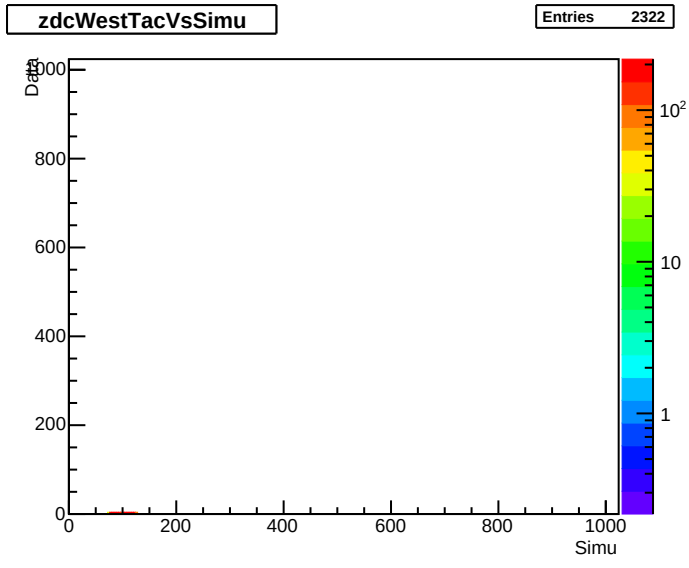

vpdWestTacMax
Entries 300007

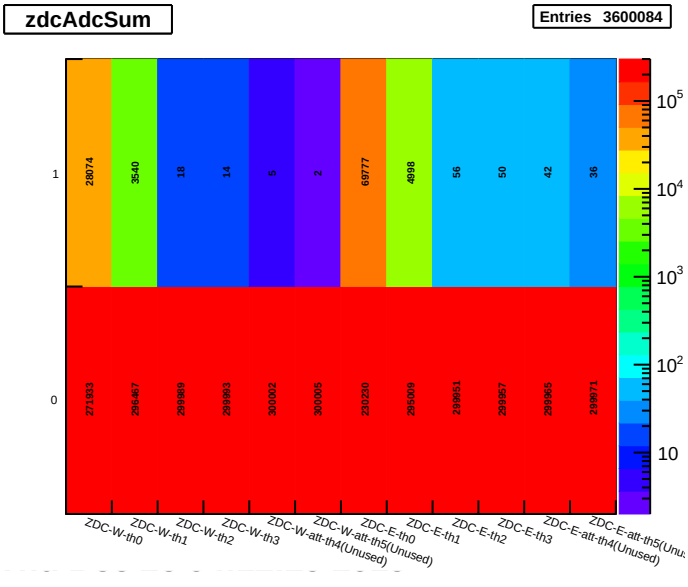

vpdWestTacMaxVsSimu
Entries 230774
Data
Simu

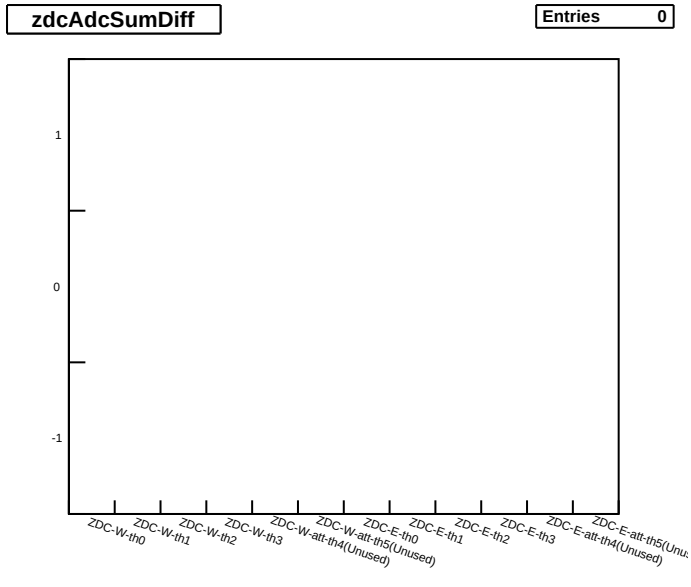

zdcEastTac
Entries 300007

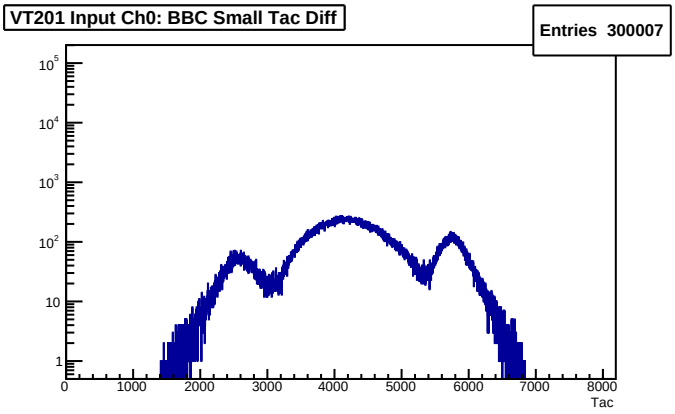

zdcEastTacVsSimu
Entries 1073
Data
Simu

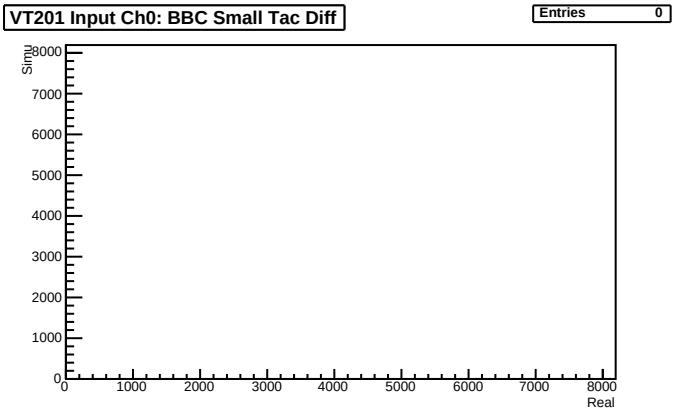

zdcWestTac
Entries 300007

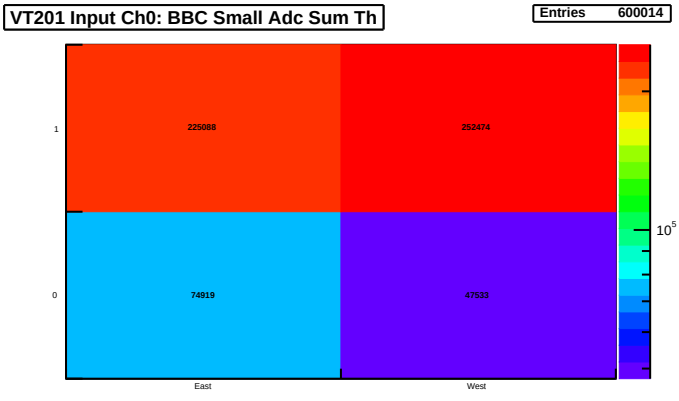

zdcWestTacVsSimu
Entries 2322
Data
Simu

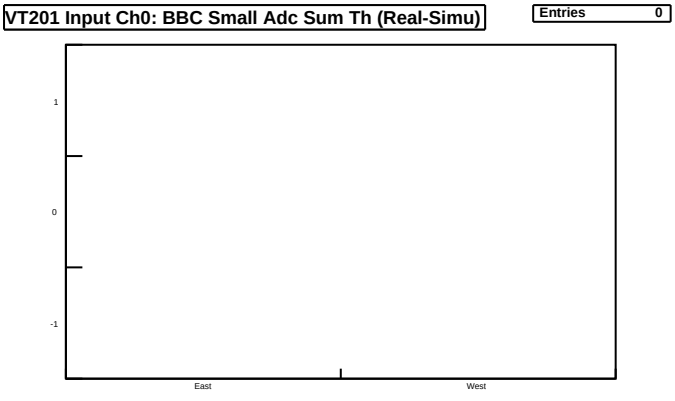

zdcAdcSum
Entries 3600084
28074
3540
18
14
5
2
69777
4998
56
50
42
36
271933
286467
299989
299993
300002
300005
230230
295009
299951
299957
299965
299971
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

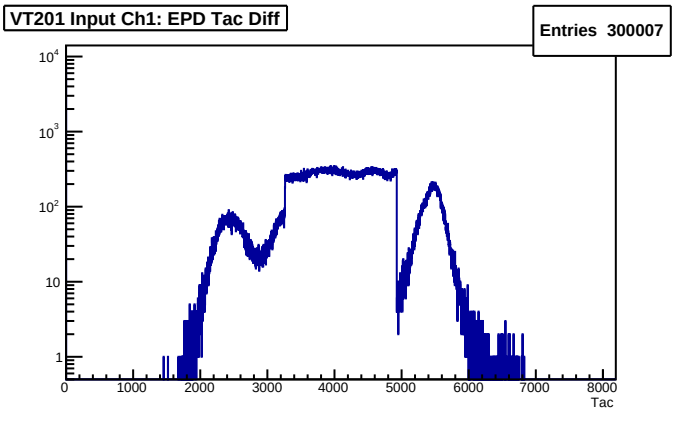

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

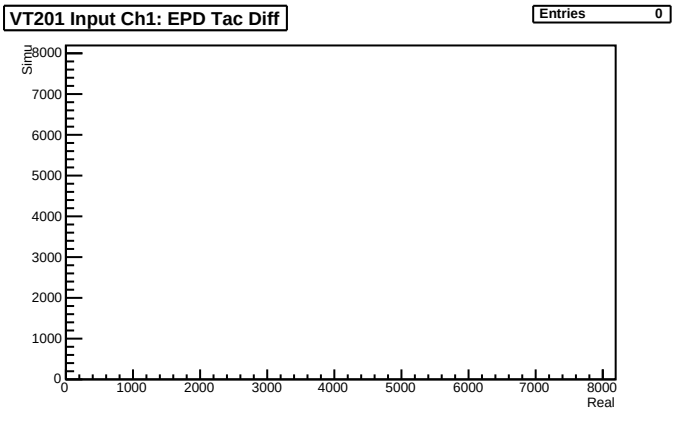

VT201 Input Ch0: BBC Small Tac Diff
Entries 300007
Tac

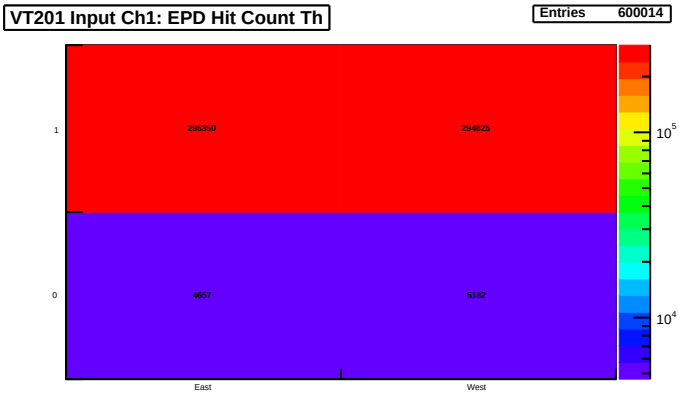

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

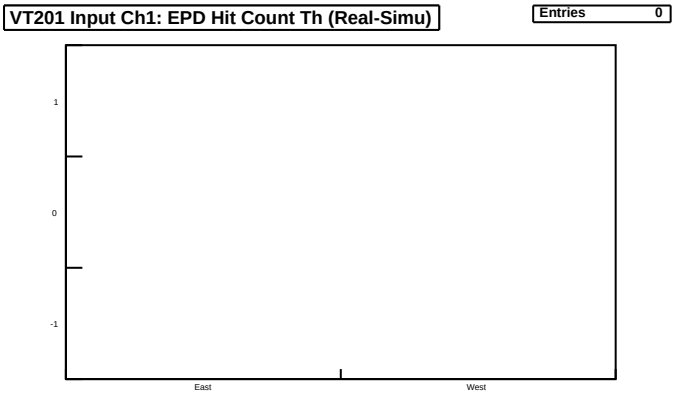

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 600014
225088
252474
74919
47533
East
West

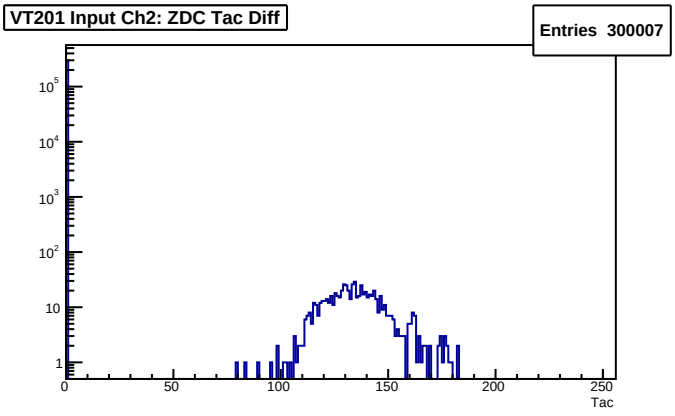

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

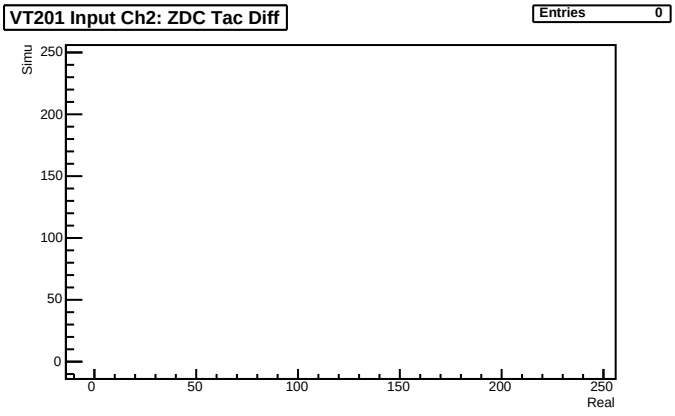

VT201 Input Ch1: EPD Tac Diff
Entries 300007
Tac

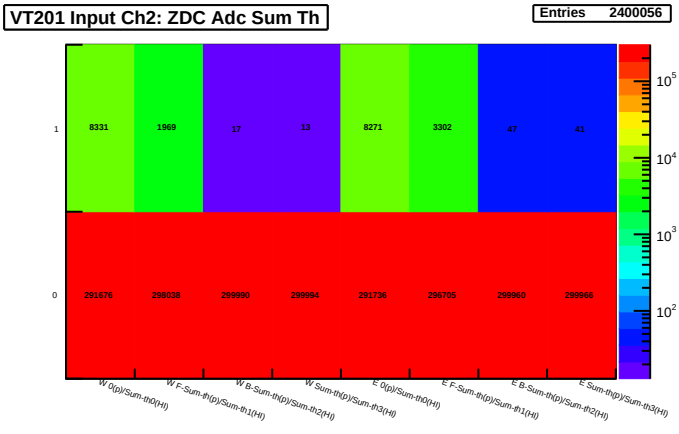

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

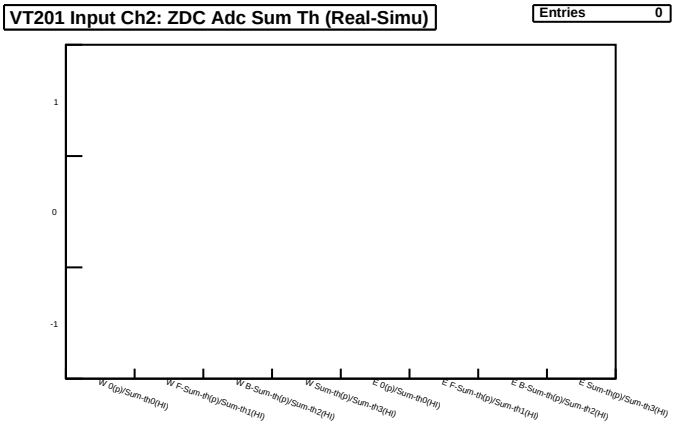

VT201 Input Ch1: EPD Hit Count Th
Entries 600014
295350
294825
4657
5182
East
West

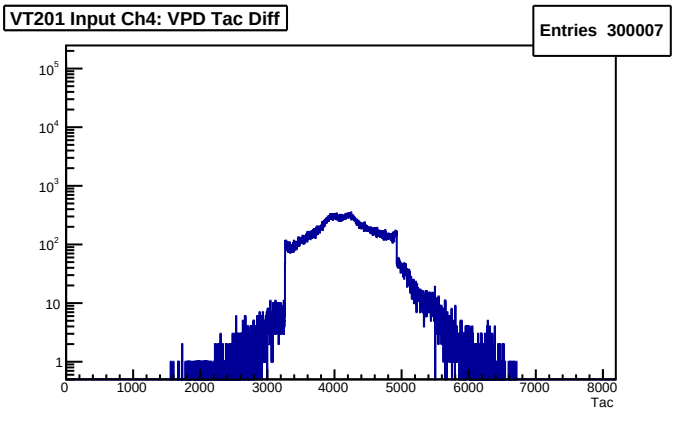

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

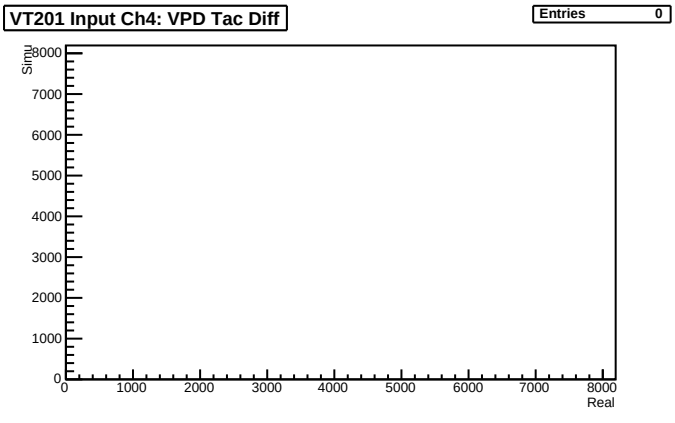

VT201 Input Ch2: ZDC Tac Diff
Entries 300007
Tac

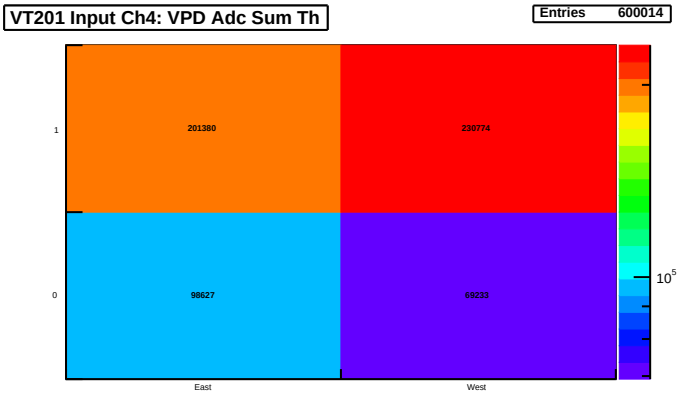

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

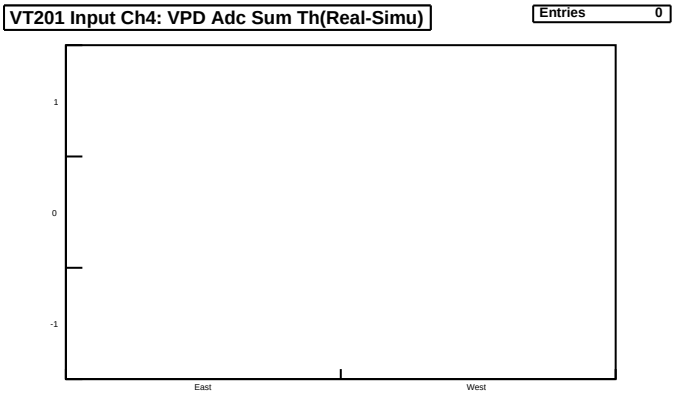

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2400056
8331
1969
17
13
8271
3302
47
41
291676
298038
299990
299994
291736
296705
299960
299966
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

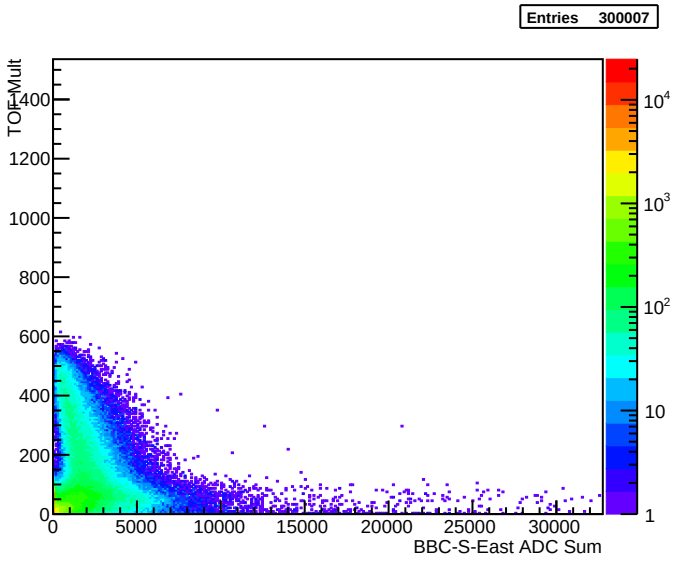

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

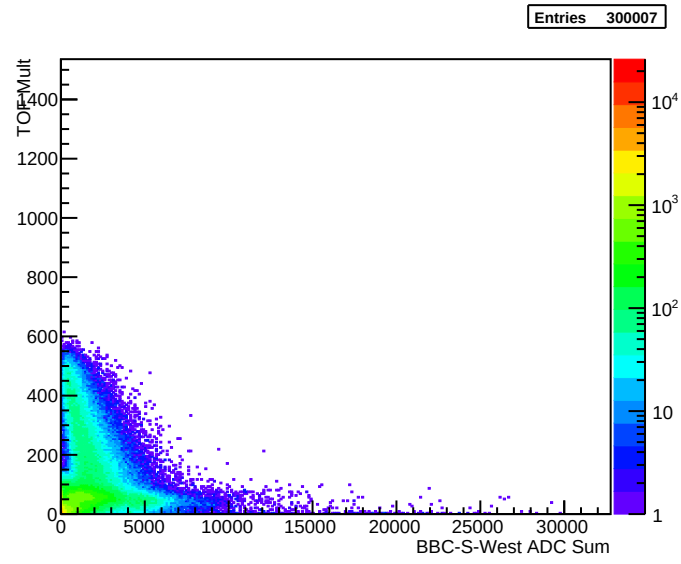

VT201 Input Ch4: VPD Tac Diff
Entries 300007
Tac

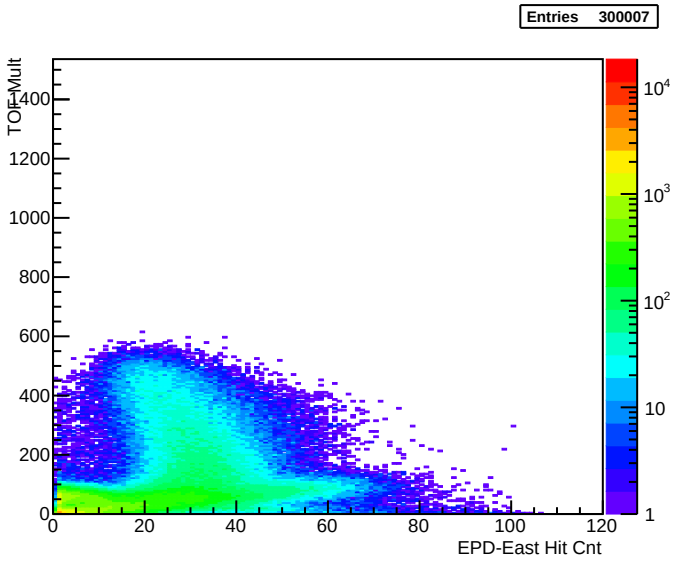

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

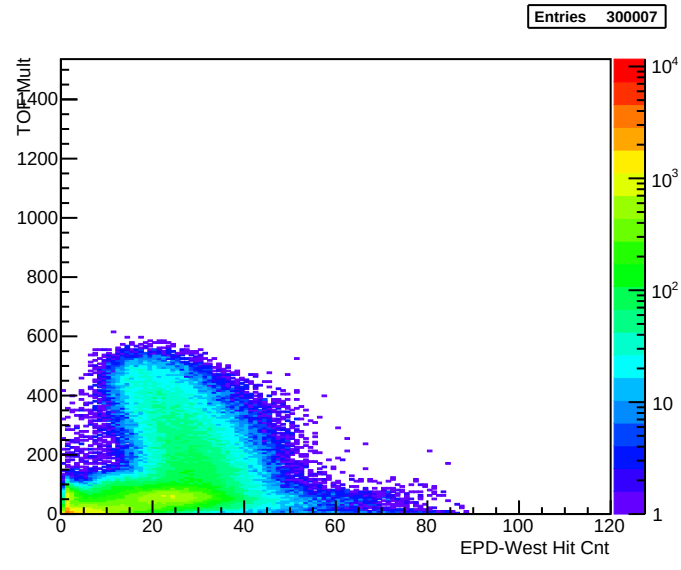

VT201 Input Ch4: VPD Adc Sum Th
Entries 600014
201380
230774
98627
69233
East
West

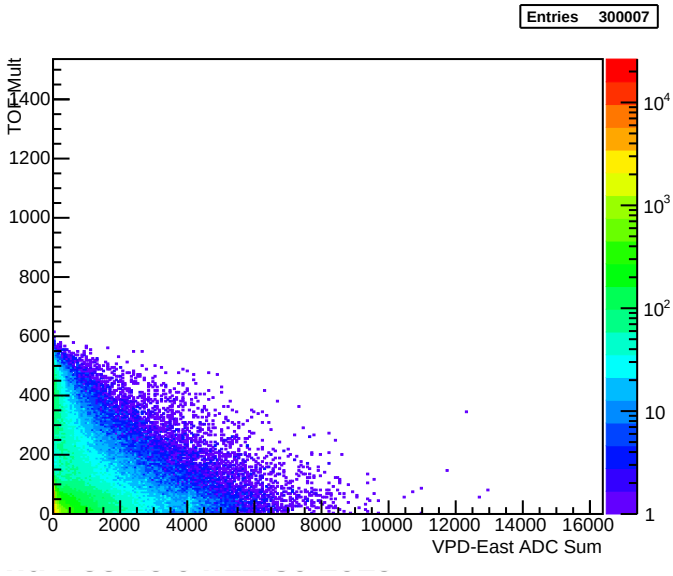

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

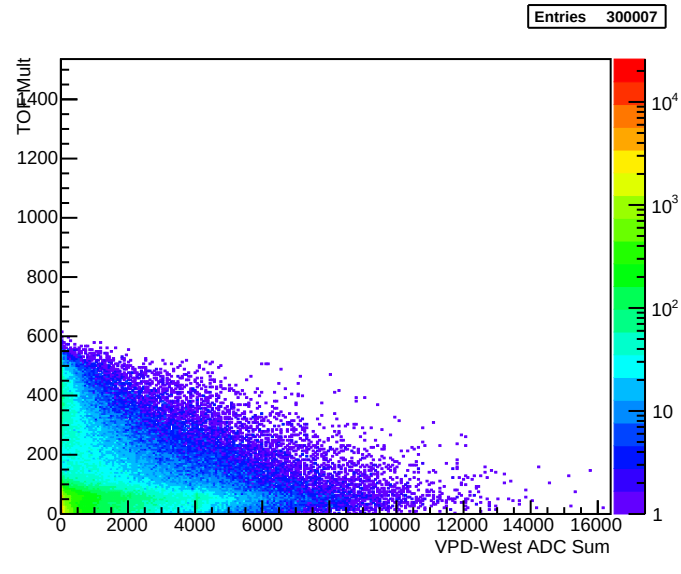

Entries 300007
TOF-Mult
BBC-S-East ADC Sum

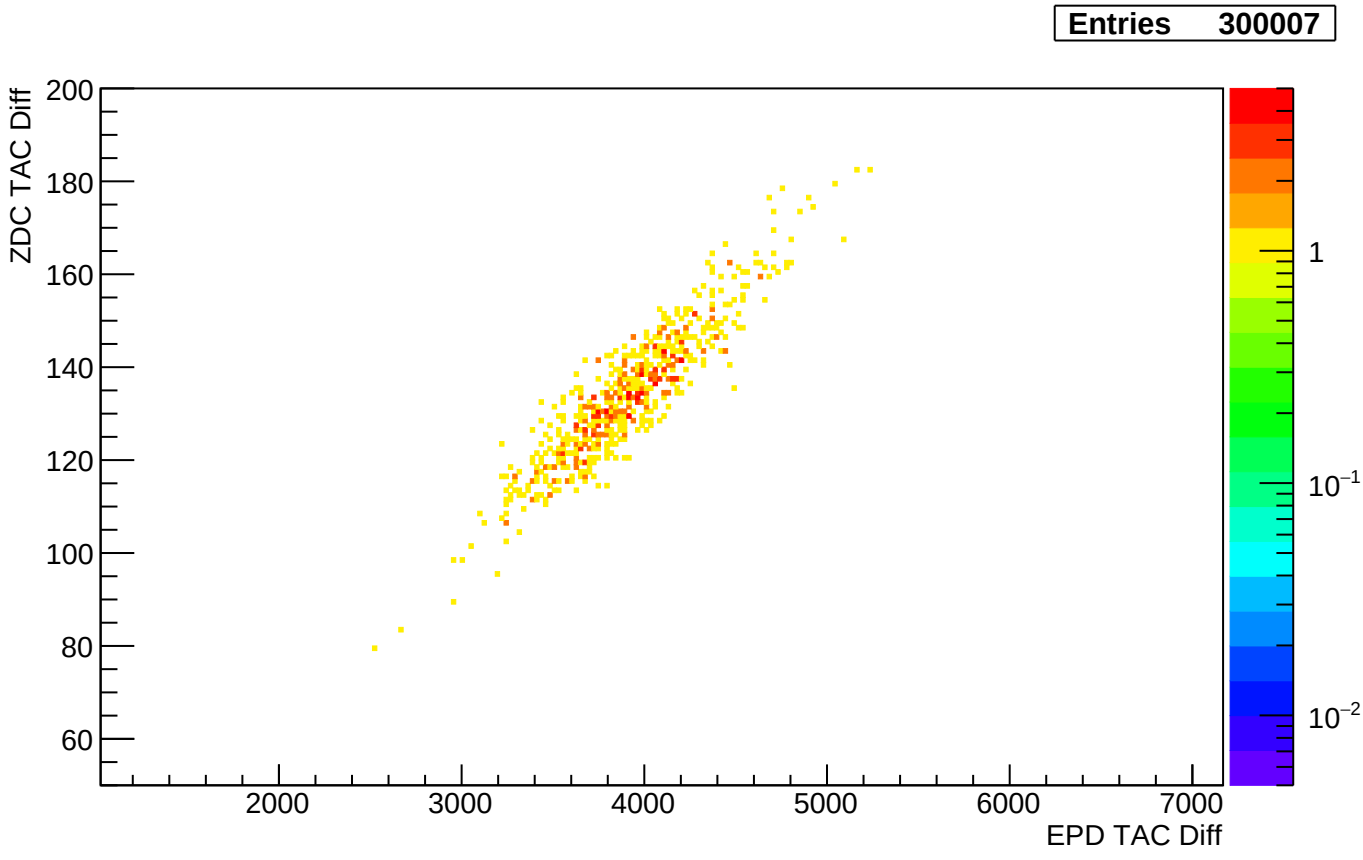

Entries 300007
TOF-Mult
BBC-S-West ADC Sum

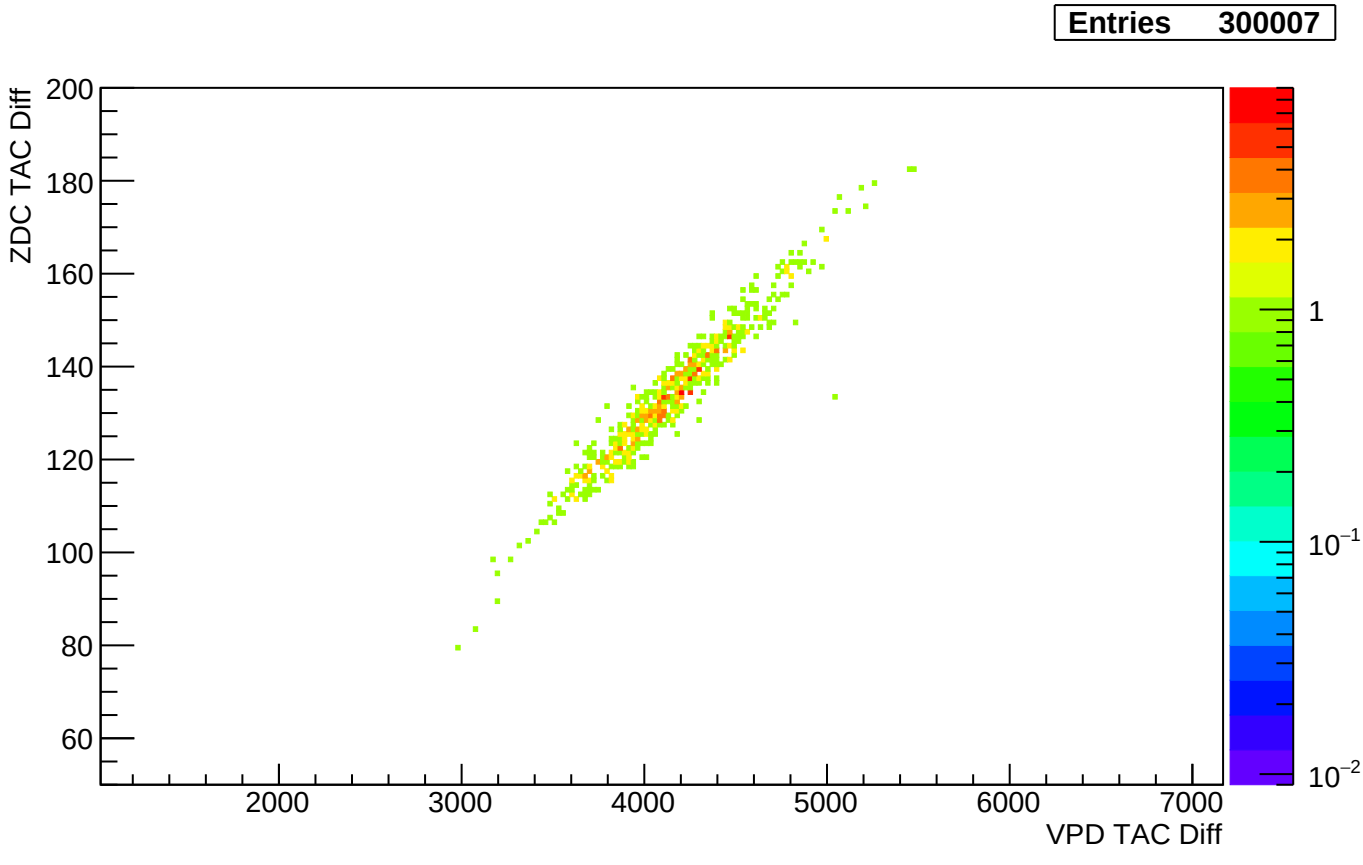

Entries 300007
TOF-Mult
EPD-East Hit Cnt

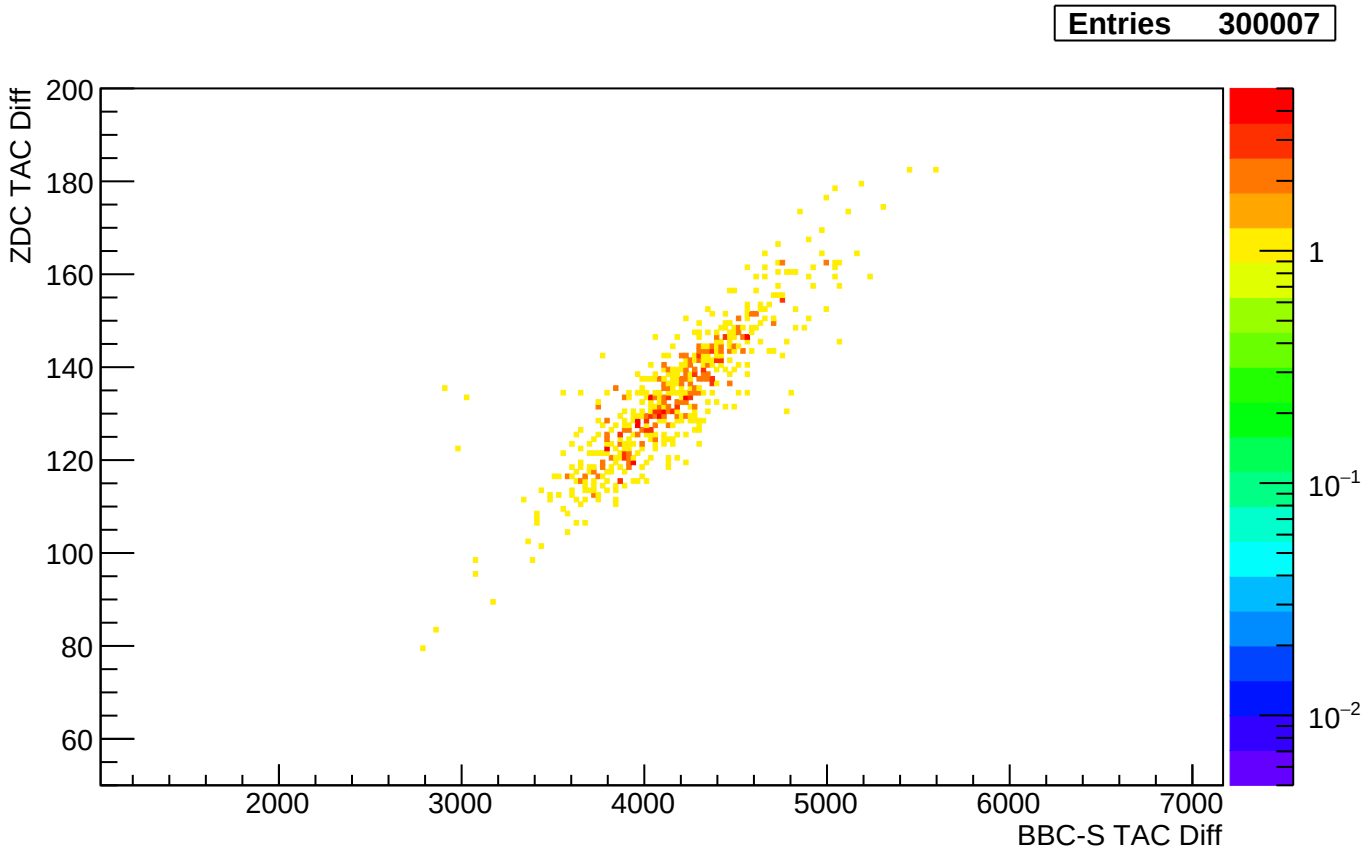

Entries 300007
TOF-Mult
EPD-West Hit Cnt

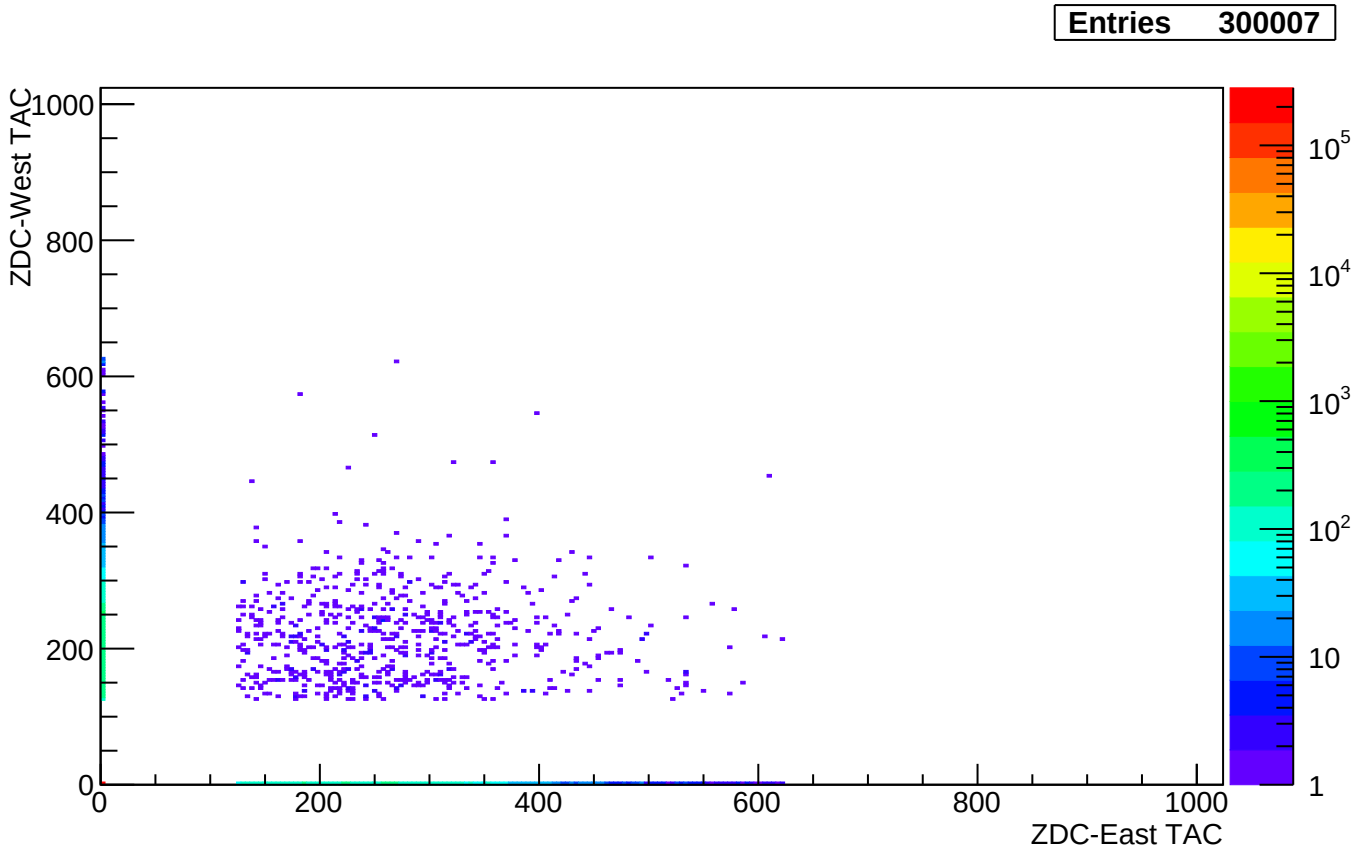

Entries 300007
TOF-Mult
VPD-East ADC Sum

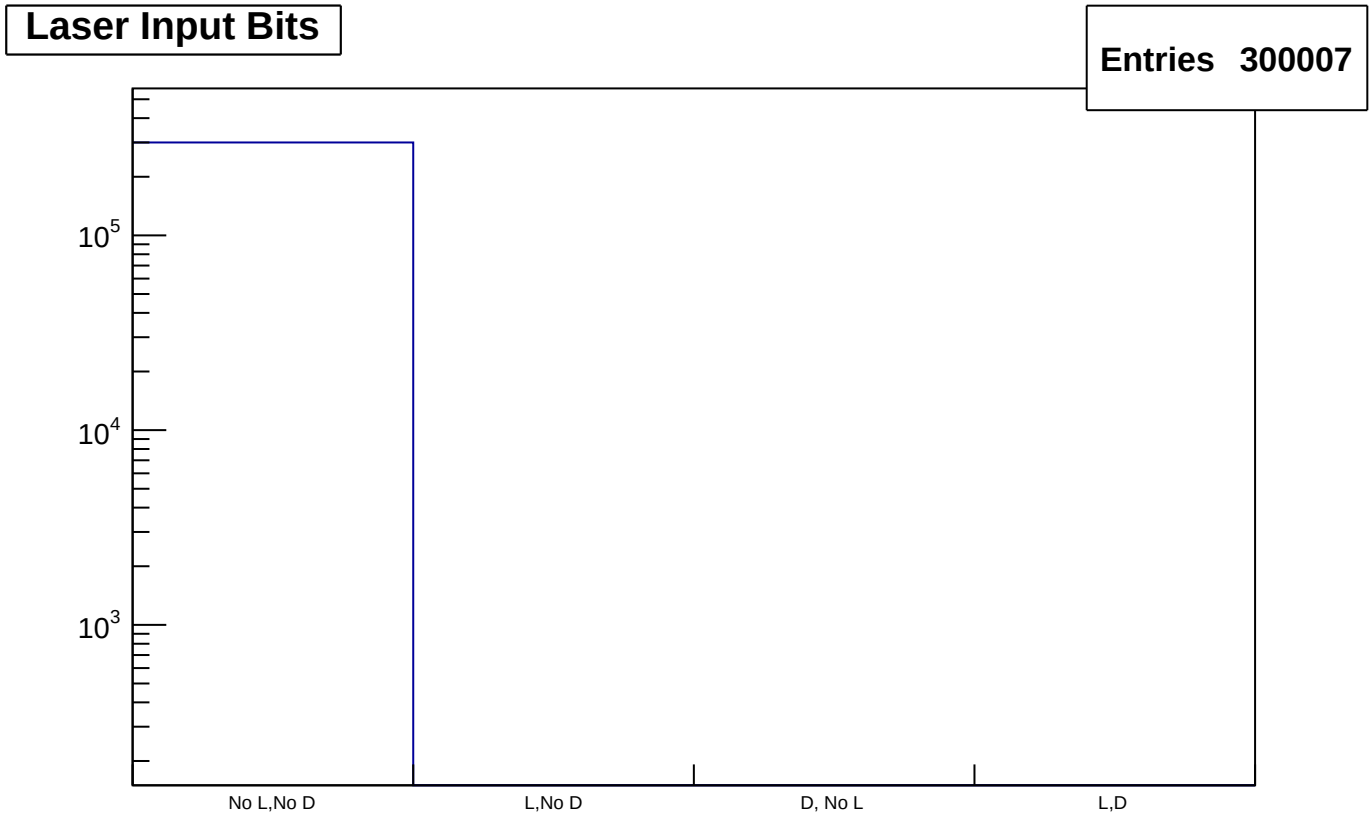

Entries 300007
TOF-Mult
VPD-West ADC Sum

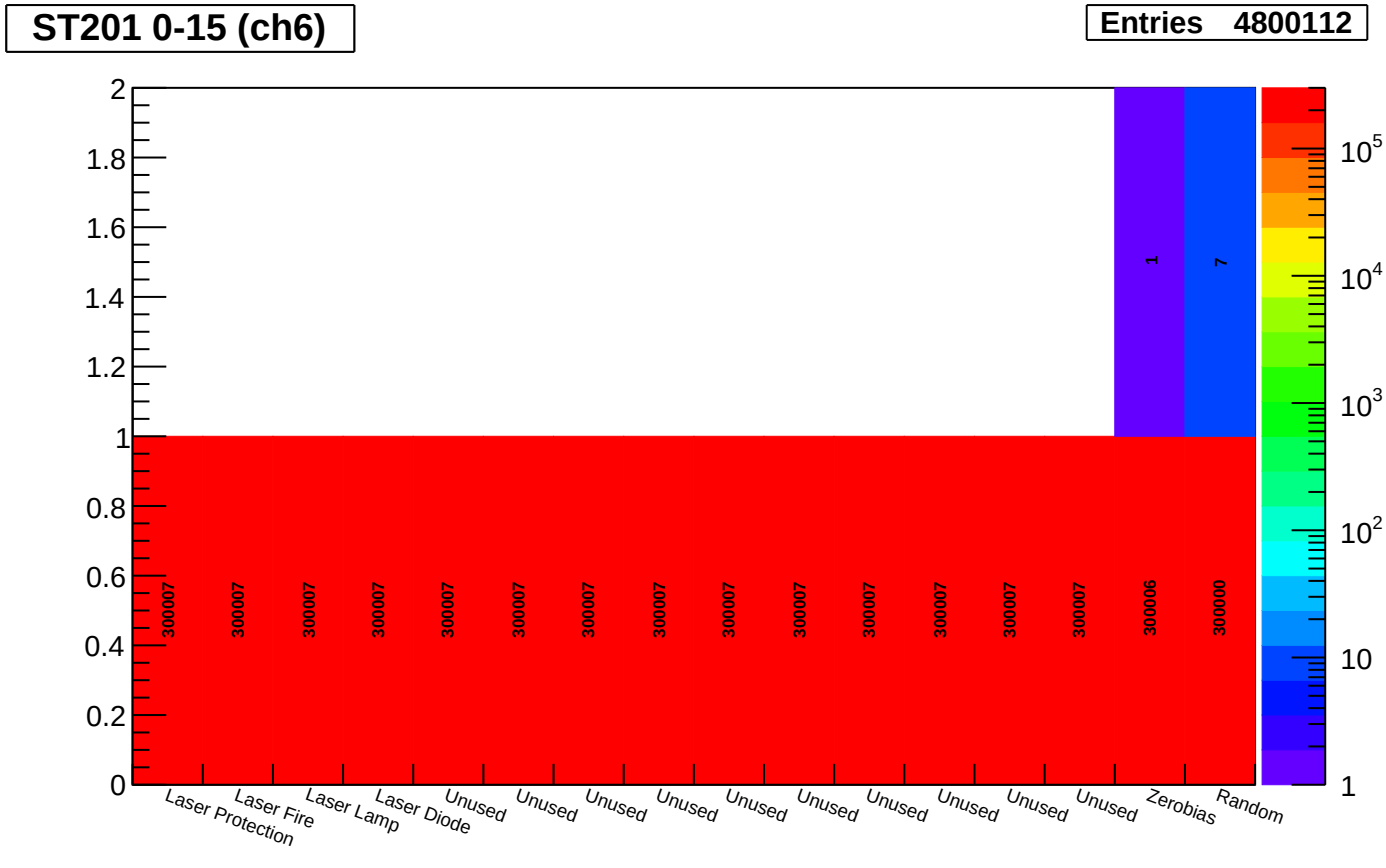

Entries 300007
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

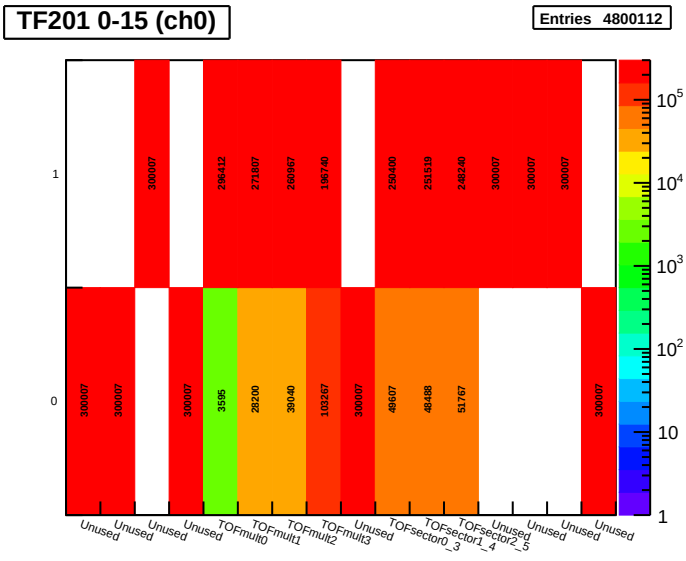

Entries 300007
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

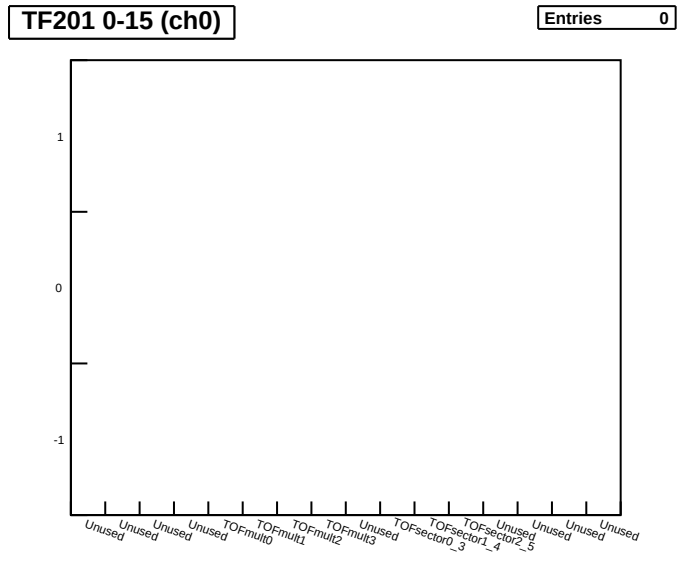

Entries 300007
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

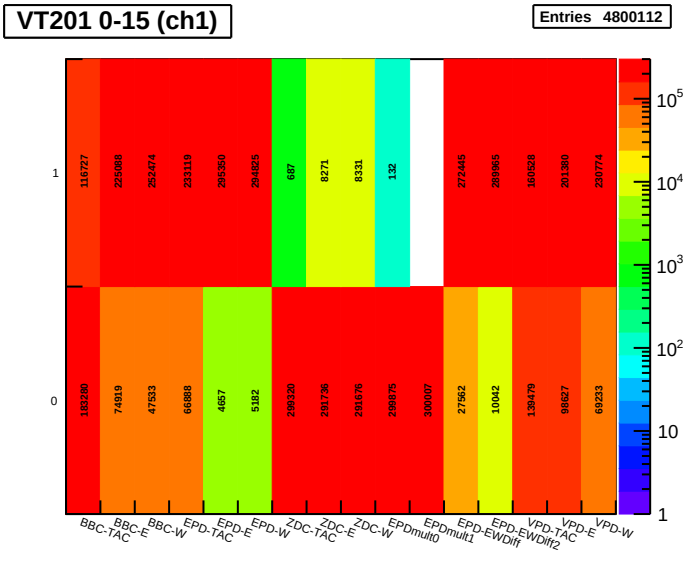

Entries 300007
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

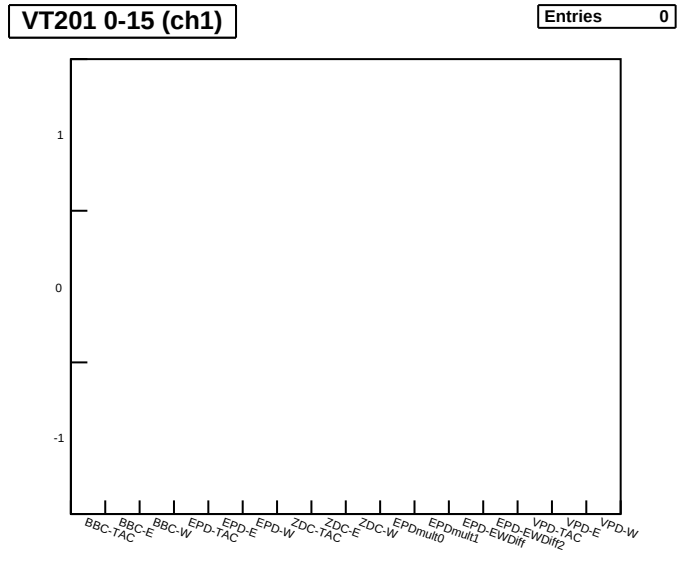

Laser Input Bits
Entries 300007
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

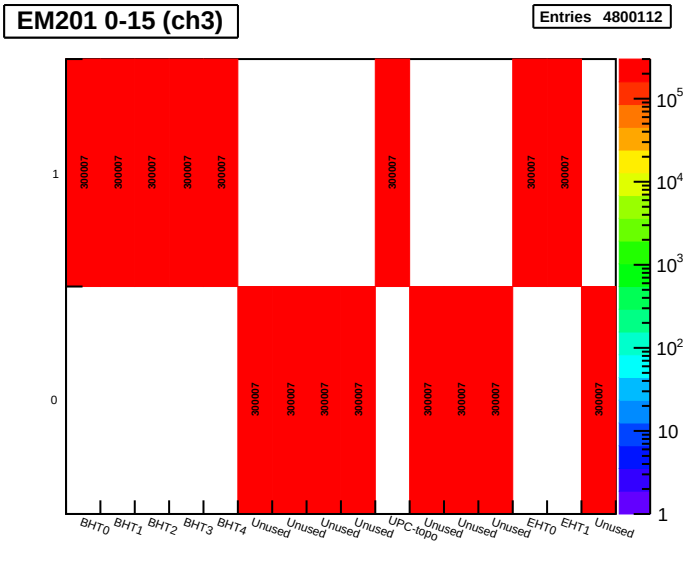

ST201 0-15 (ch6)
Entries 4800112
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300006
300000
1
7
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

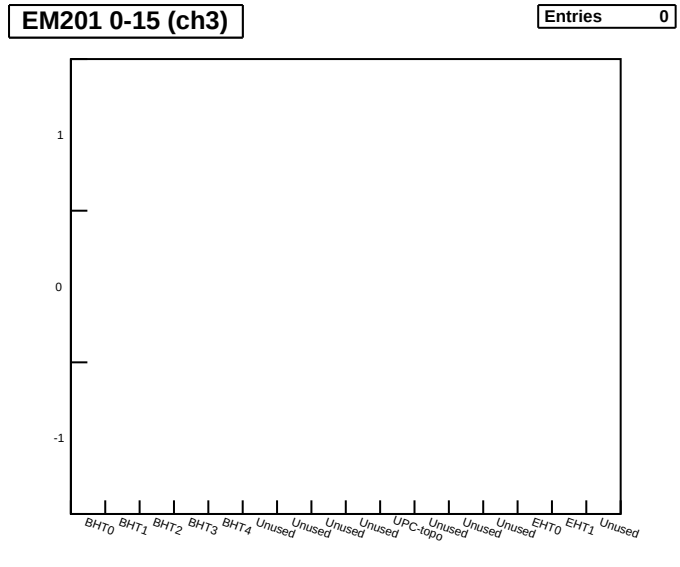

TF201 0-15 (ch0)
Entries 4800112
1
0
300007
236412
271807
260967
196740
250400
251519
248240
300007
300007
300007
300007
300007
300007
300007
300007
3595
29200
39040
103267
300007
49607
49488
51767
300007
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 4800112
1
0
116727
225088
252474
233119
295350
294825
687
8271
8331
132
272445
289965
160528
201380
230774
183280
74919
47533
66888
4657
5182
299320
291736
291676
299875
300007
27562
10042
139479
98627
69233
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W
10^5
10^4
10^3
10^2
10
1


VT201 0-15 (ch1)
Entries 0
1
0
-1
BBC-TAC
BBC-E
BBC-W
EPD-TAC
EPD-E
EPD-W
ZDC-TAC
ZDC-E
ZDC-W
EPDmult0
EPDmult1
EPD-EWDiff
EPD-EWDiff2
VPD-TAC
VPD-E
VPD-W


EM201 0-15 (ch3)
Entries 4800112
1
0
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
300007
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
UPC-topo
EHT0
EHT1
10^5
10^4
10^3
10^2
10
1


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