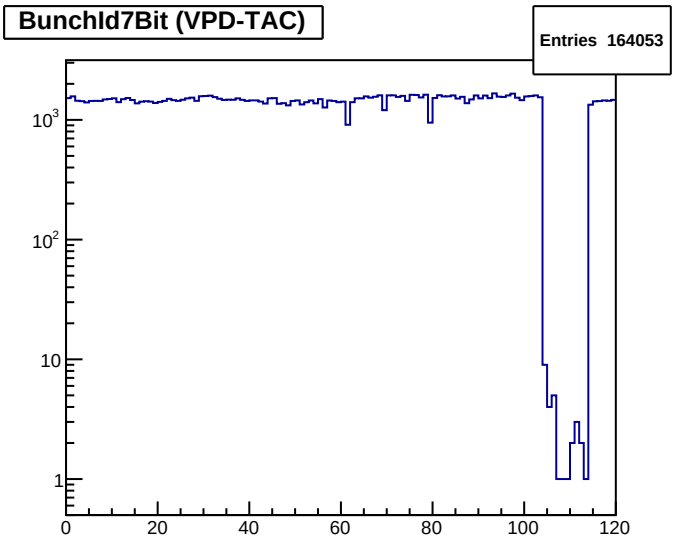
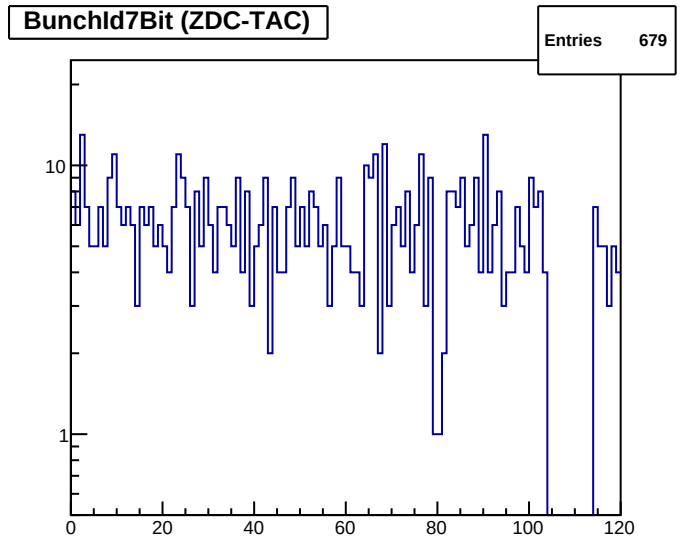
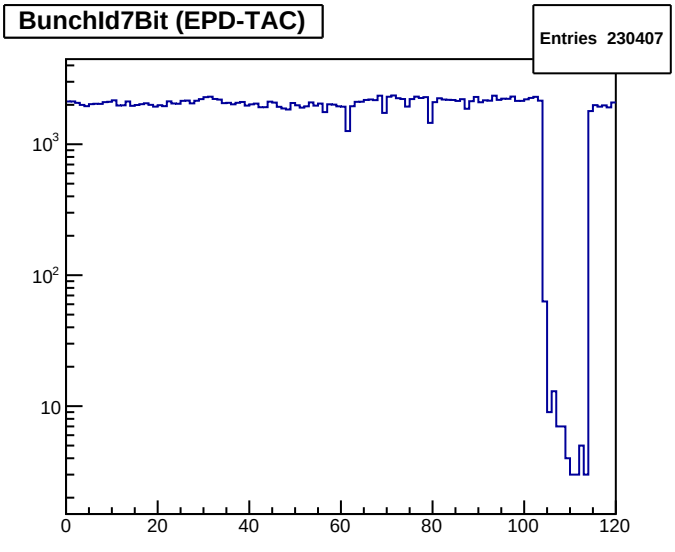
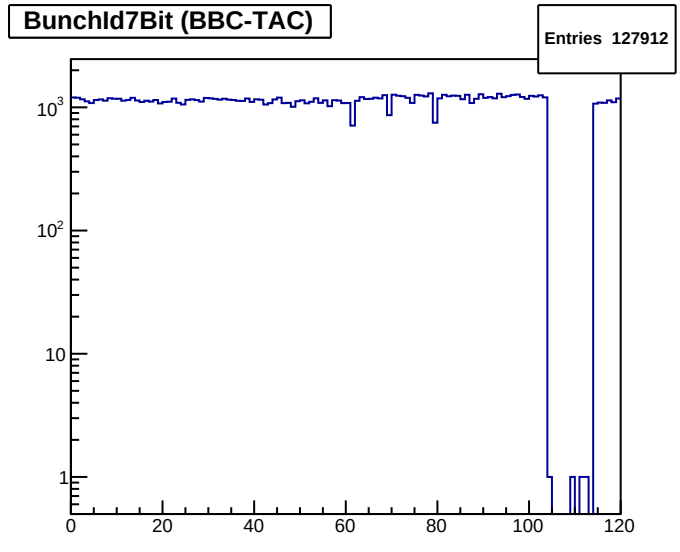
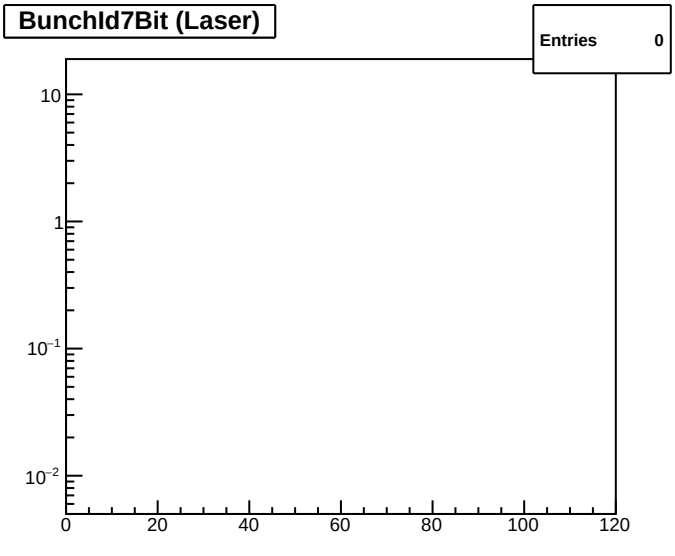
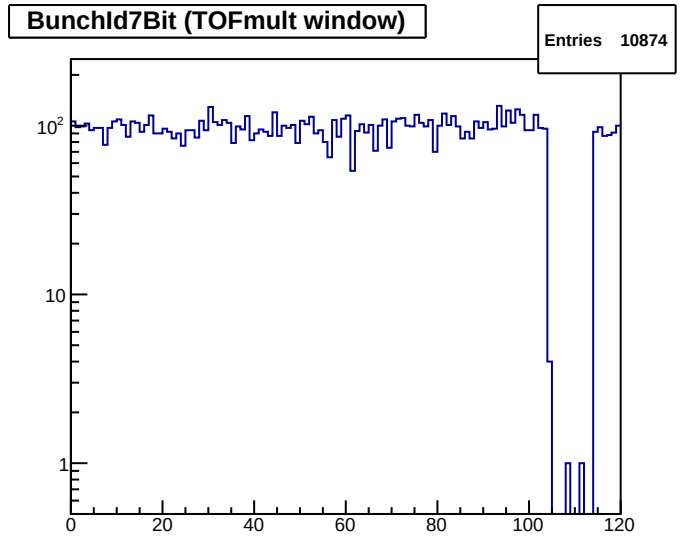

BunchId7Bit (VPD-TAC)
Entries 164053

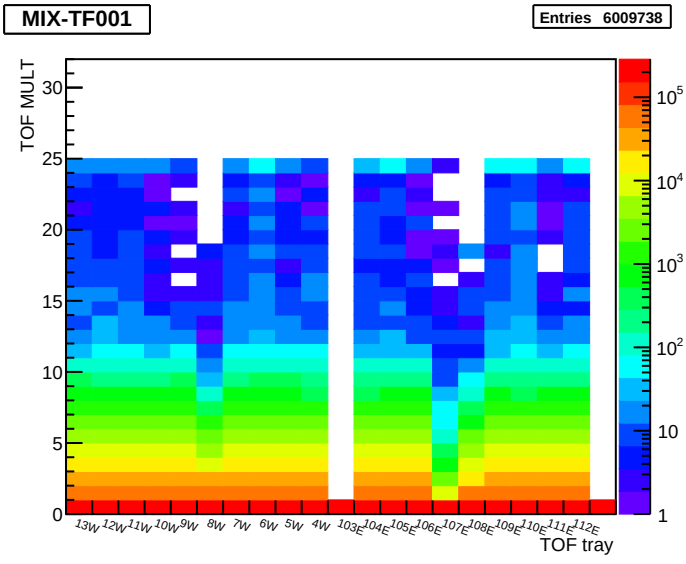

BunchId7Bit (ZDC-TAC)
Entries 679

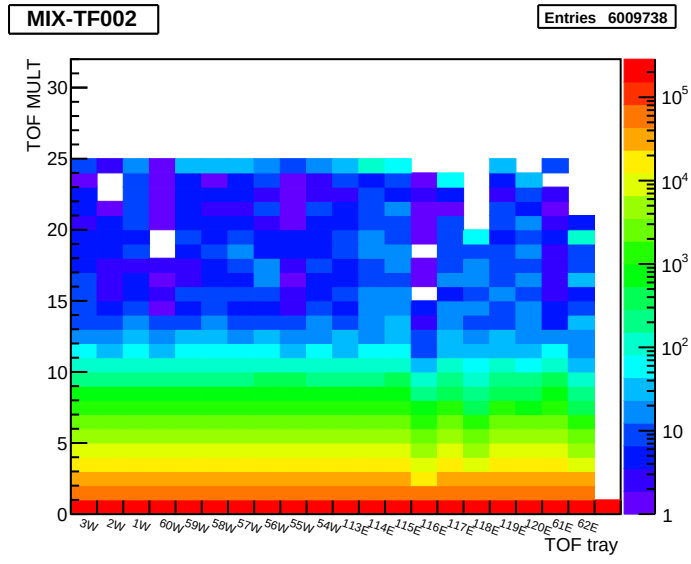

BunchId7Bit (EPD-TAC)
Entries 230407

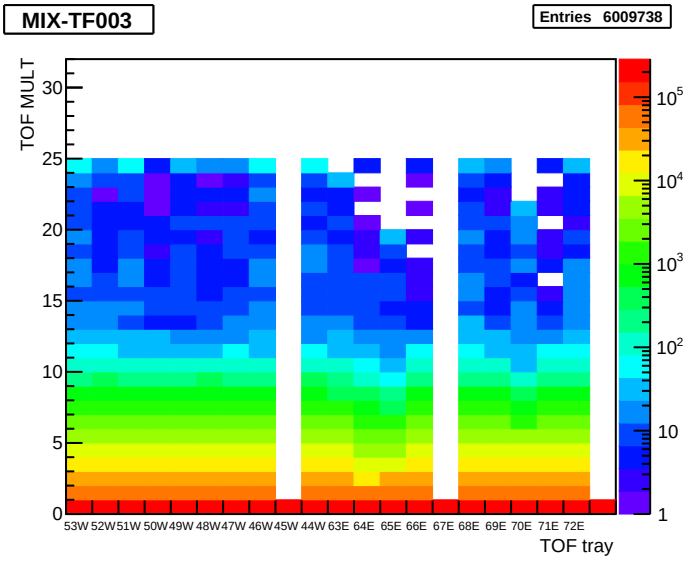

BunchId7Bit (BBC-TAC)
Entries 127912

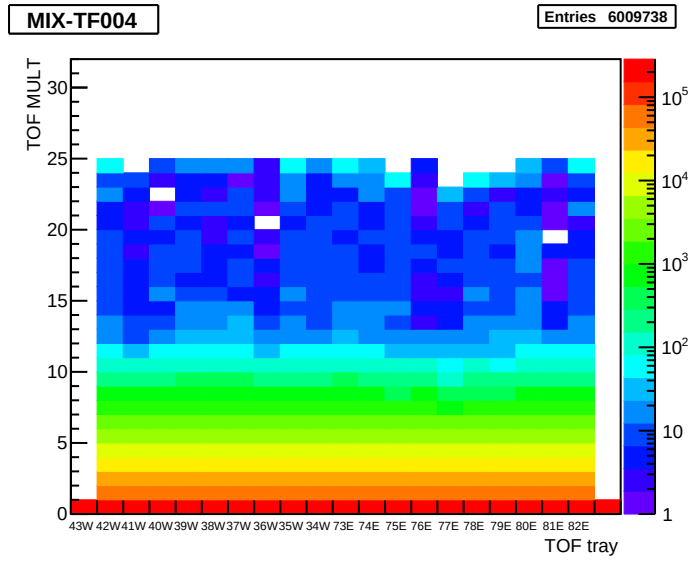

BunchId7Bit (Laser)
Entries 0

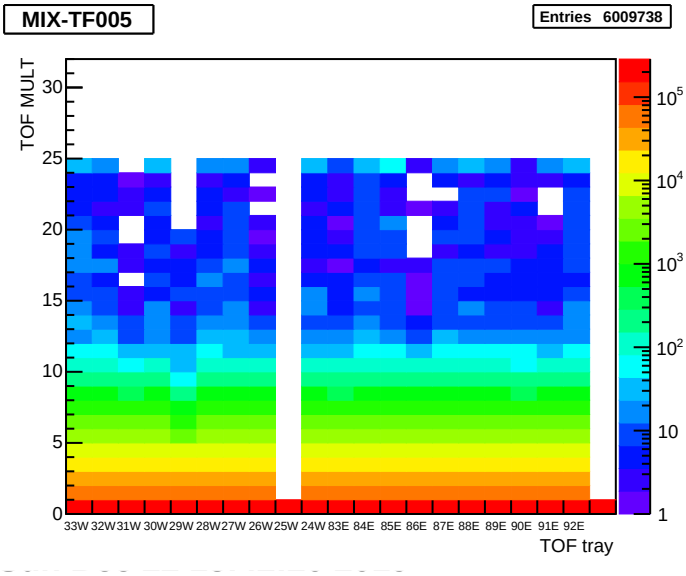

BunchId7Bit (TOFmult window)
Entries 10874

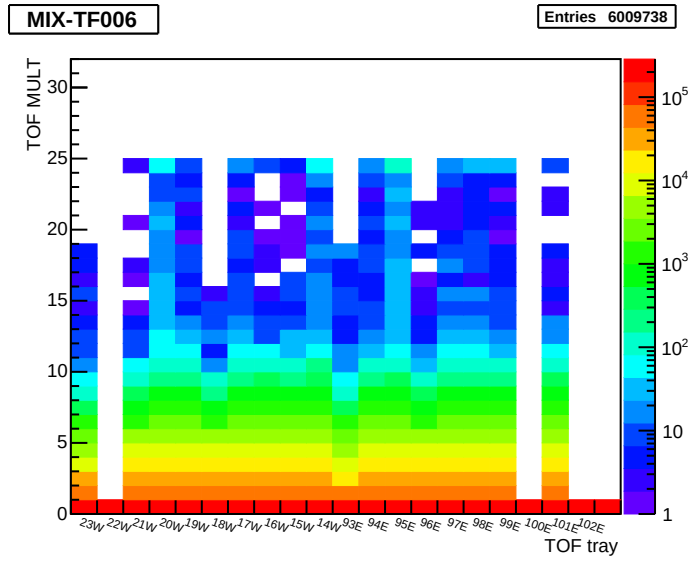

MIX-TF001
Entries 6009738
TOF MULT
TOF tray

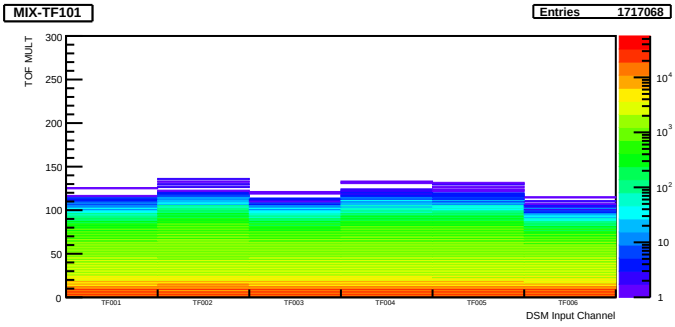

MIX-TF002
Entries 6009738
TOF MULT
TOF tray

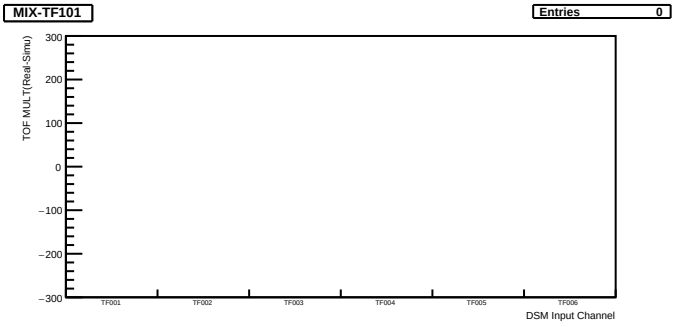

MIX-TF003
Entries 6009738
TOF MULT
TOF tray

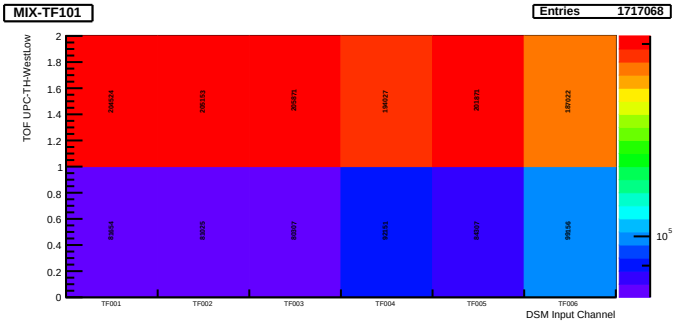

MIX-TF004
Entries 6009738
TOF MULT
TOF tray

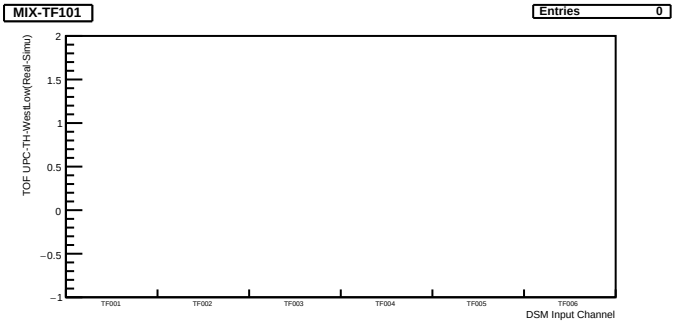

MIX-TF005
Entries 6009738
TOF MULT
TOF tray

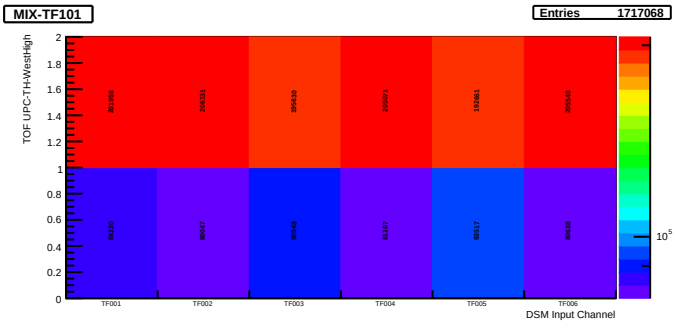

MIX-TF006
Entries 6009738
TOF MULT
TOF tray

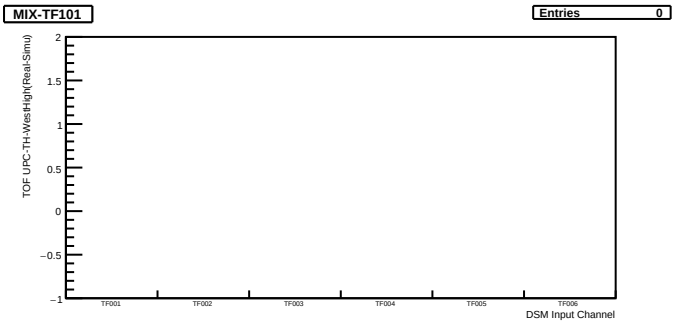

MIX-TF101
Entries 1717068
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

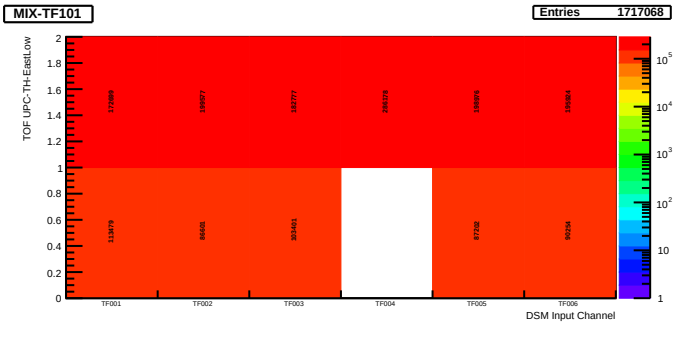

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

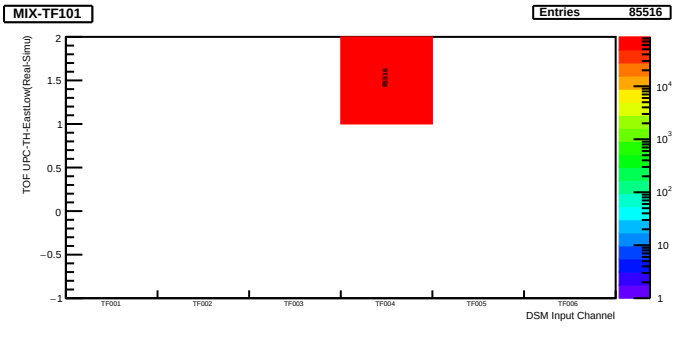

MIX-TF101
Entries 1717068
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

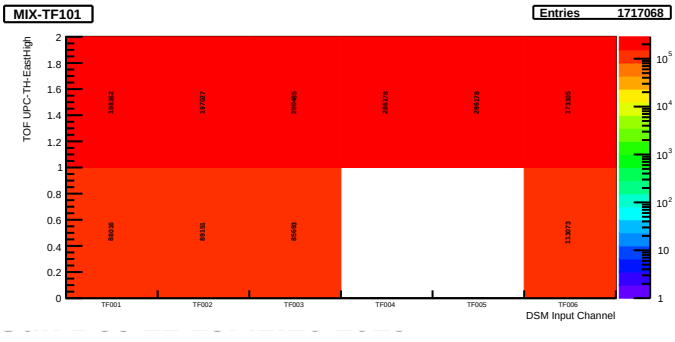

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

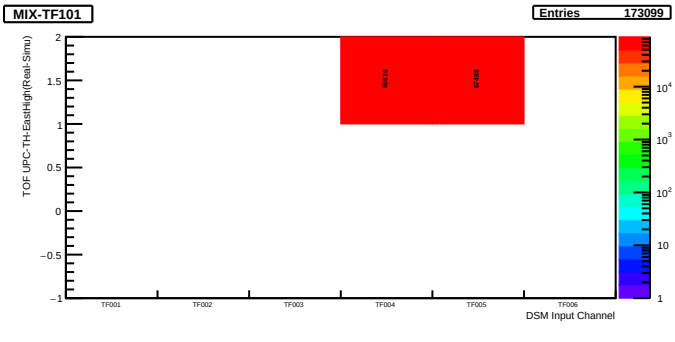

MIX-TF101
Entries 1717068
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

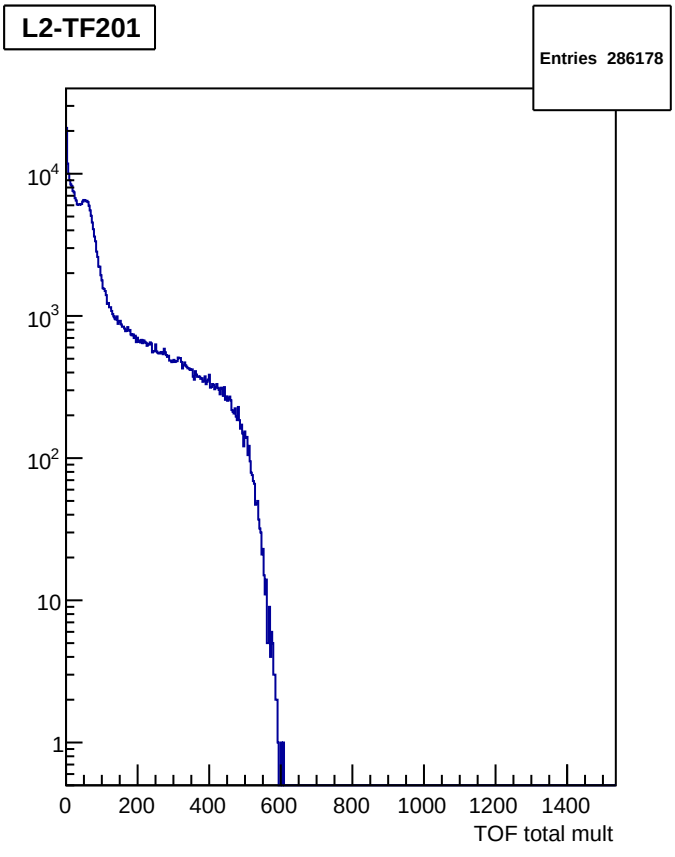

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

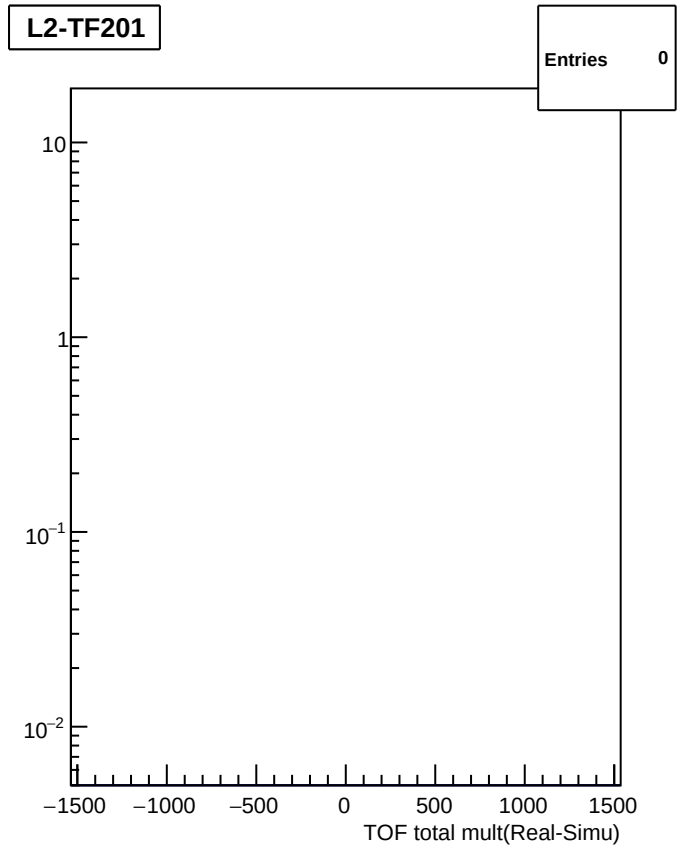

MIX-TF101
Entries 1717068
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

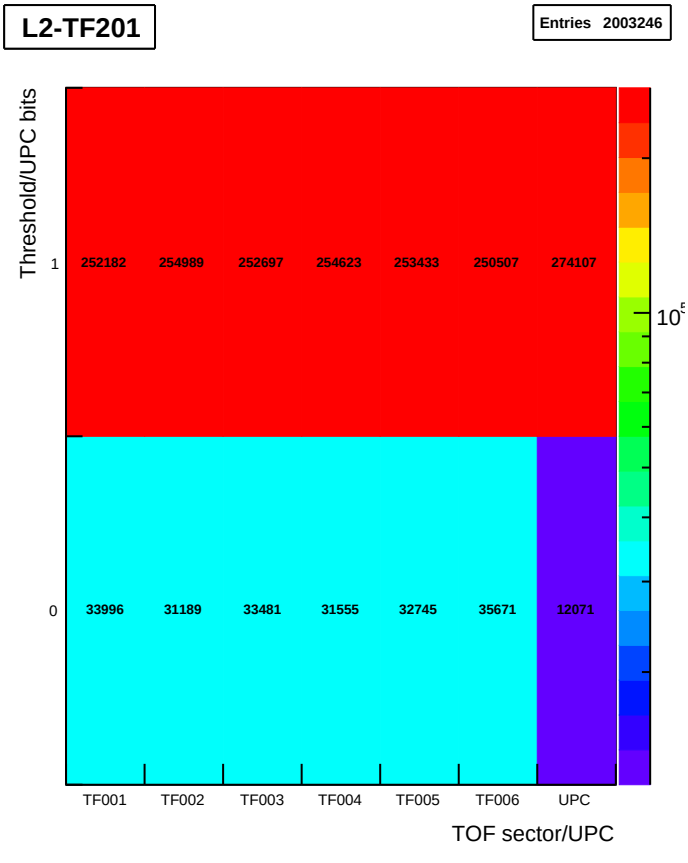

MIX-TF101
Entries 85516
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

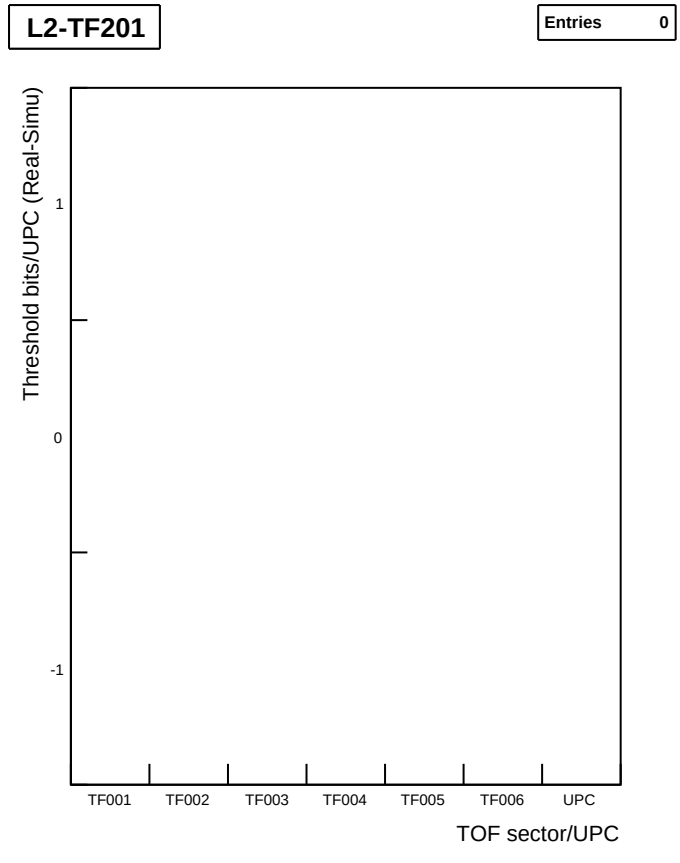

MIX-TF101
Entries 1717068
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

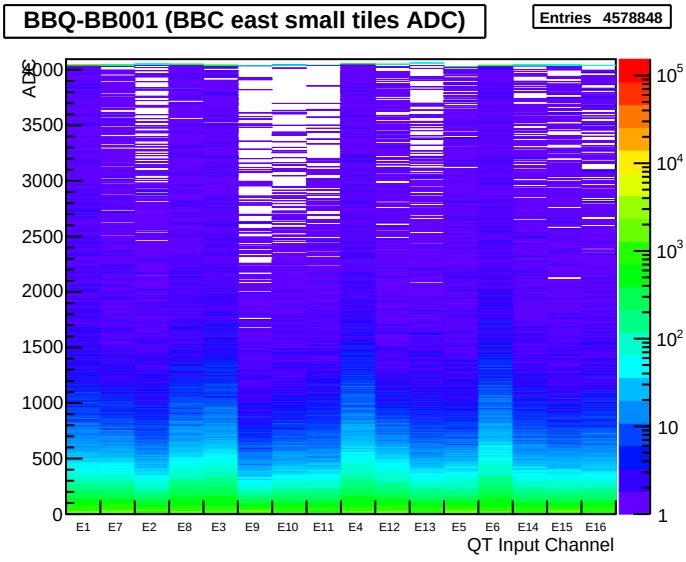

MIX-TF101
Entries 173099
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

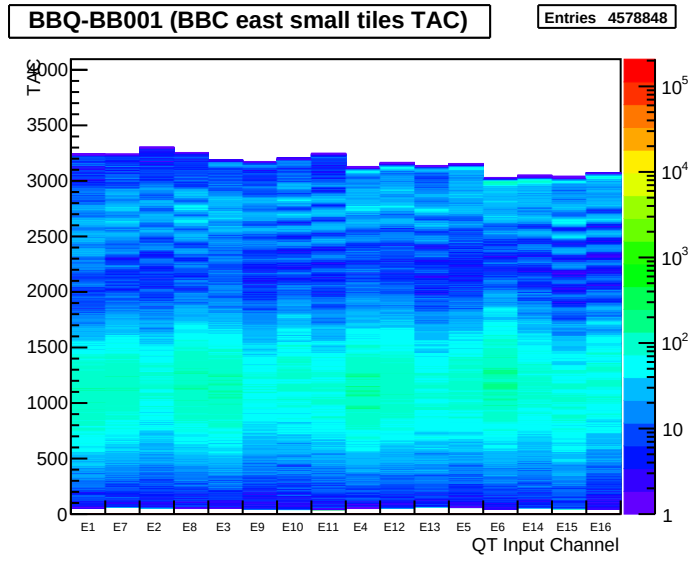

L2-TF201
Entries 286178
10^4
10^3
10^2
10
1
0
200
400
600
800
1000
1200
1400
TOF total mult

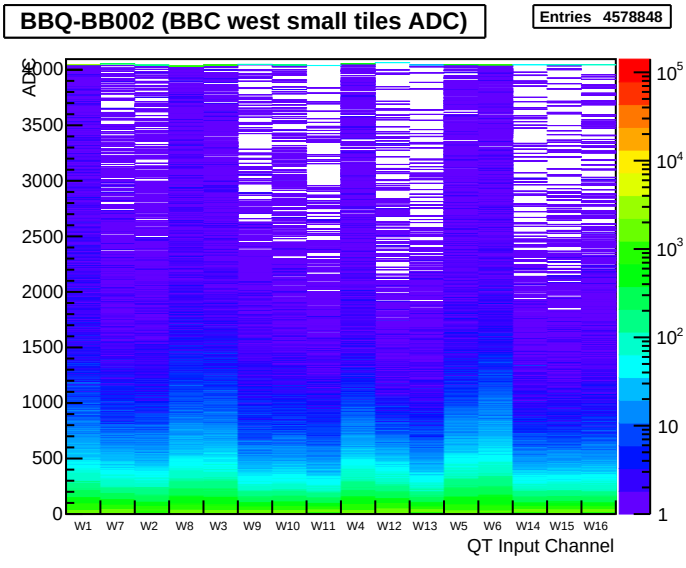

L2-TF201
Entries 0
10
1
10^{-1}
10^{-2}
−1500
−1000
−500
0
500
1000
1500
TOF total mult(Real-Simu)

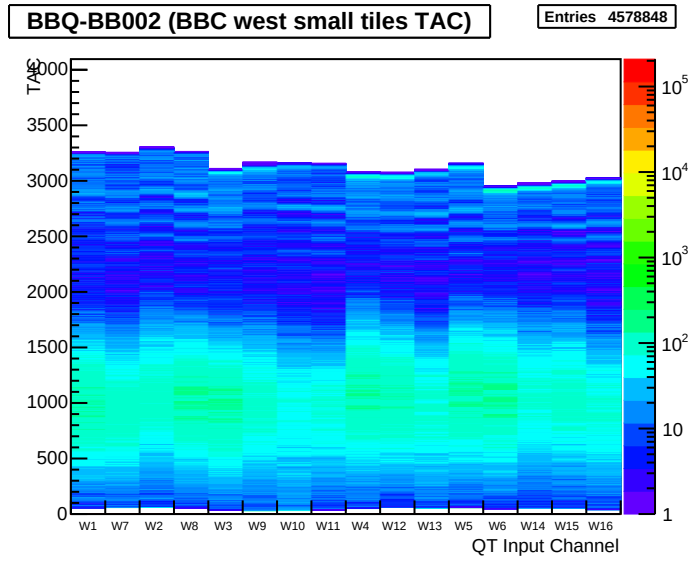

L2-TF201
Entries 2003246
Threshold/UPC bits
1
0
252182
254989
252697
254623
253433
250507
274107
33996
31189
33481
31555
32745
35671
12071
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

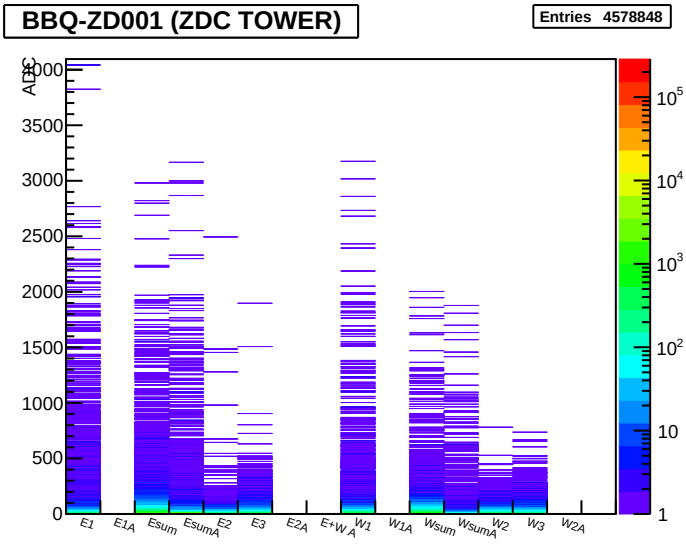

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
1
0
-1
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

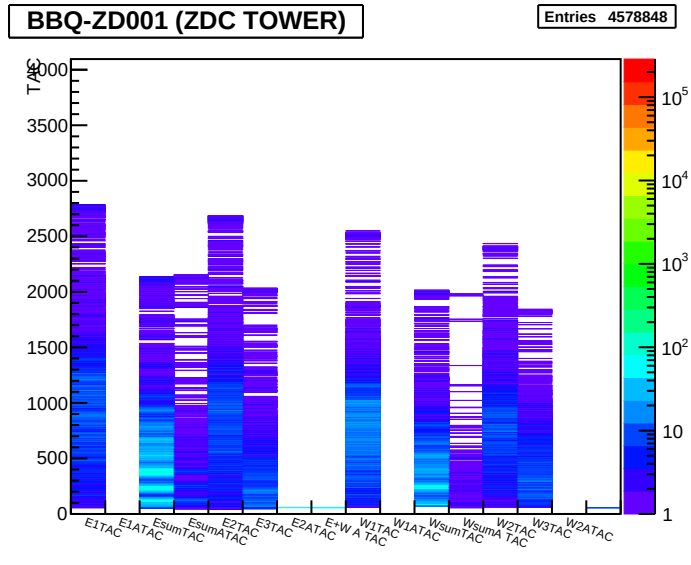

BBQ-BB001 (BBC east small tiles ADC)
Entries 4578848
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

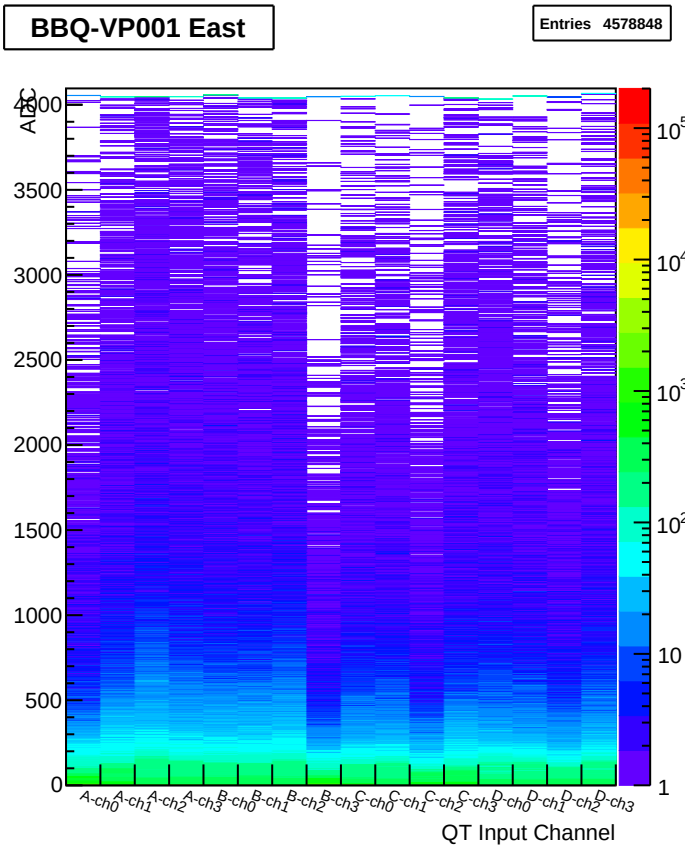

BBQ-BB001 (BBC east small tiles TAC)
Entries 4578848
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

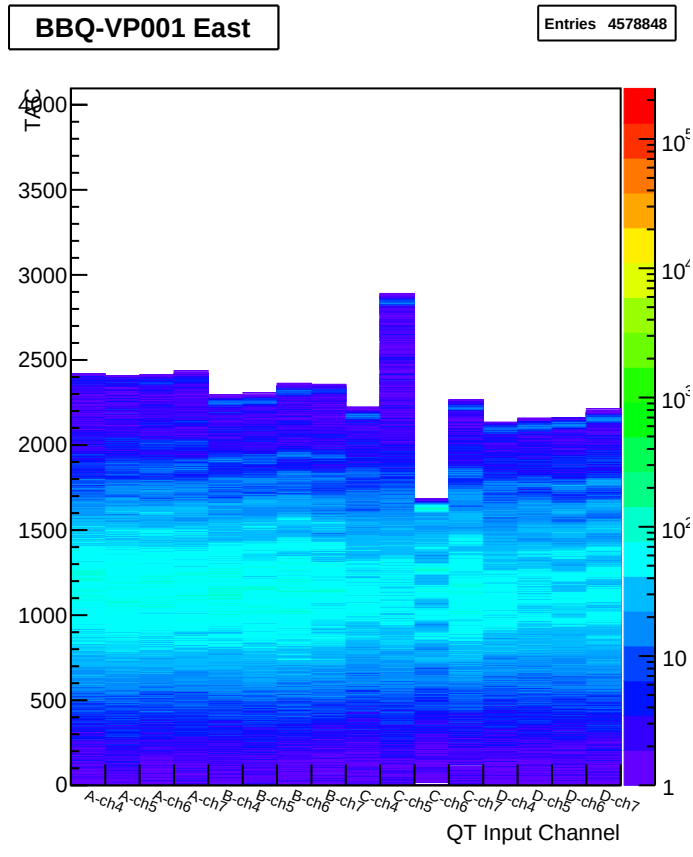

BBQ-BB002 (BBC west small tiles ADC)
Entries 4578848
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

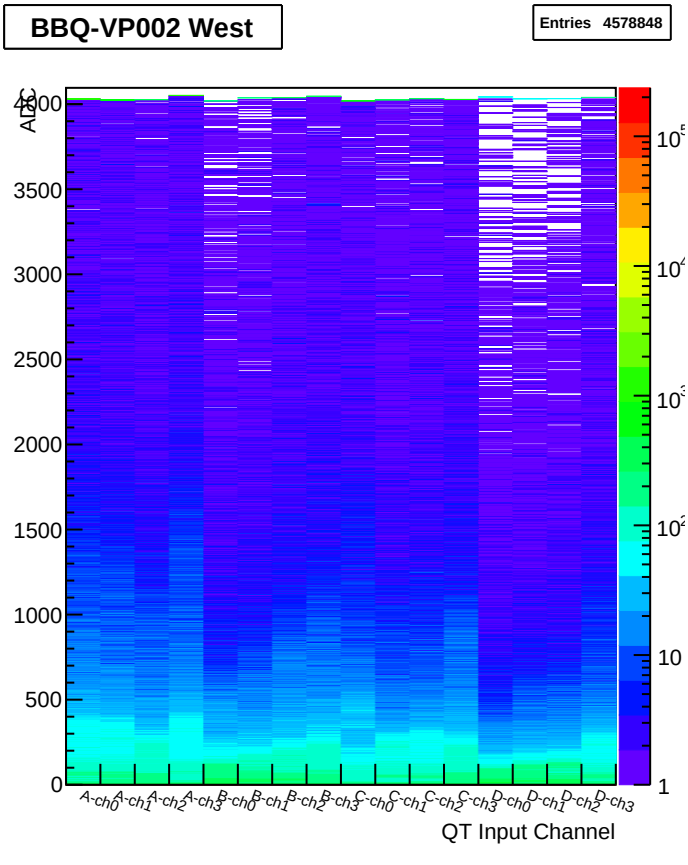

BBQ-BB002 (BBC west small tiles TAC)
Entries 4578848
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

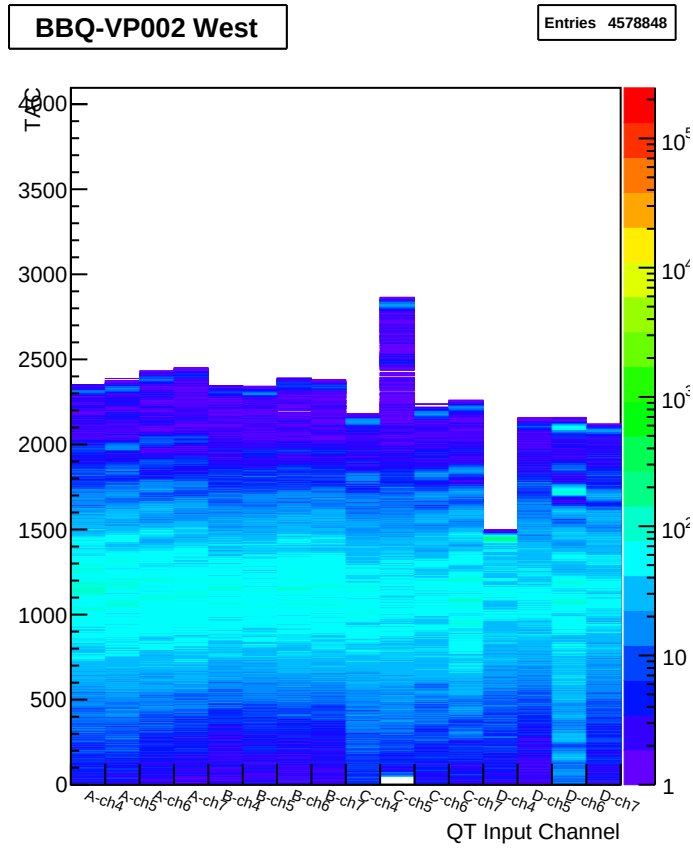

BBQ-ZD001 (ZDC TOWER)
Entries 4578848
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

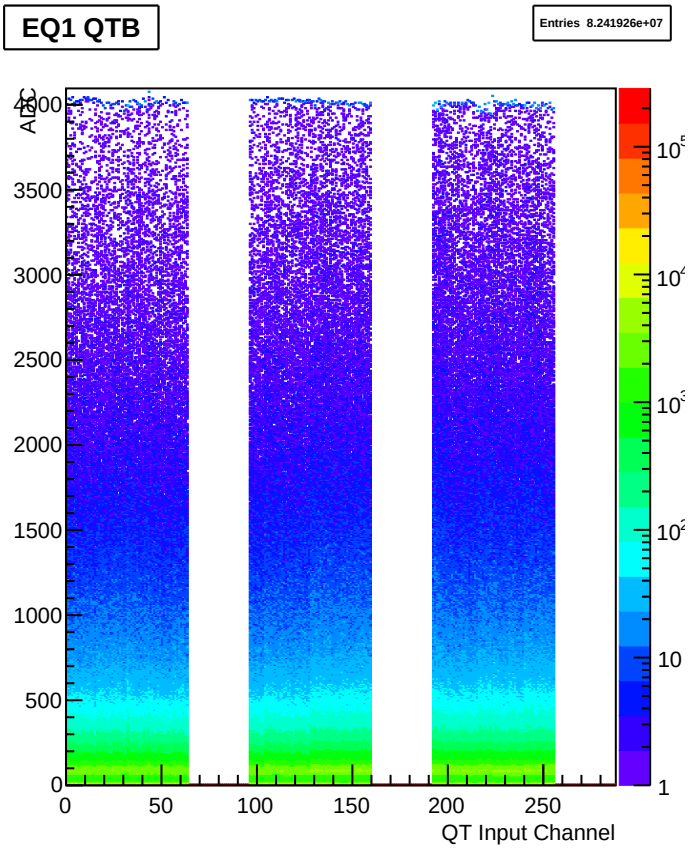

BBQ-ZD001 (ZDC TOWER)
Entries 4578848
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

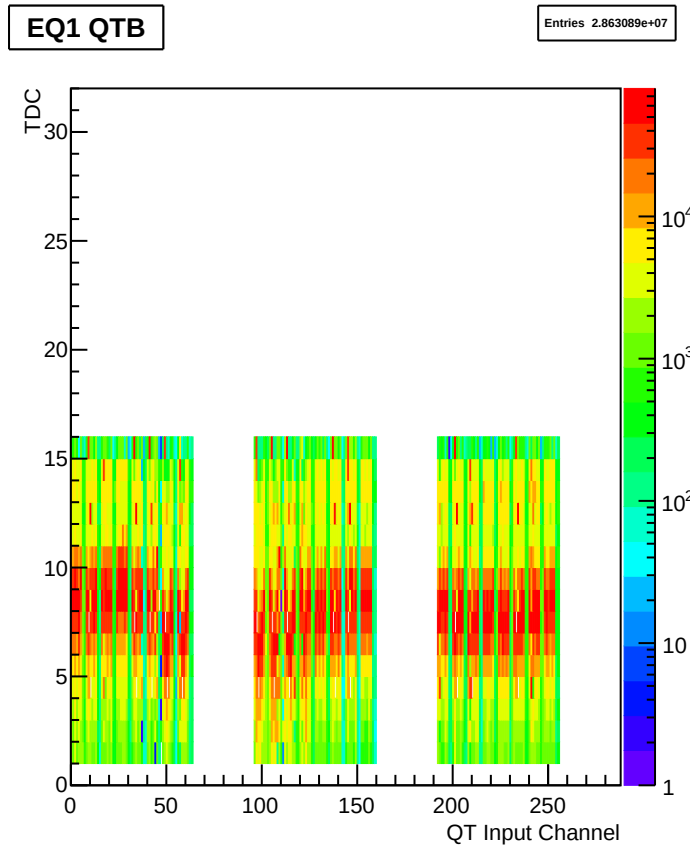

BBQ-VP001 East
Entries 4578848
ADC
QT Input Channel

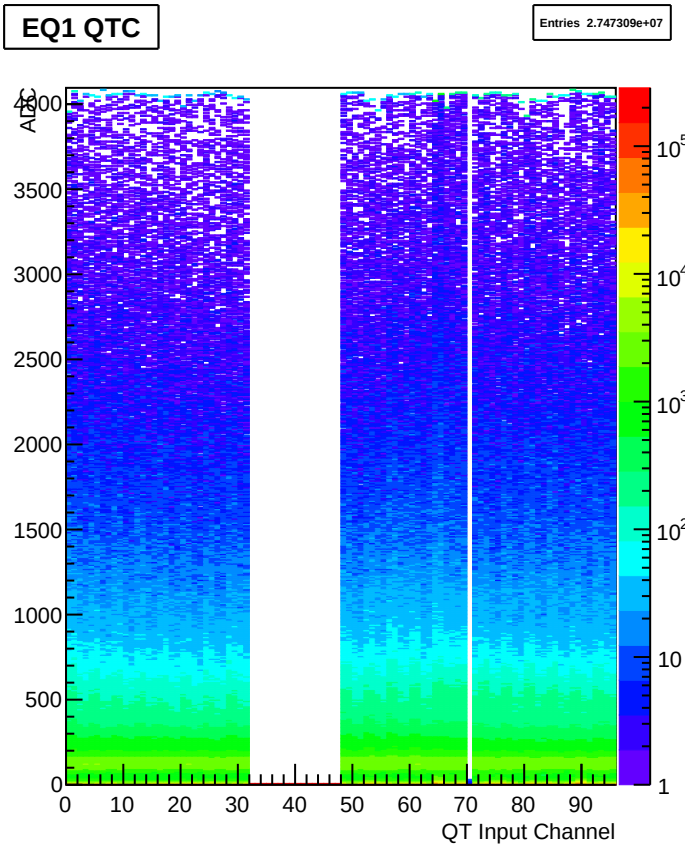

BBQ-VP001 East
Entries 4578848
TADC
QT Input Channel

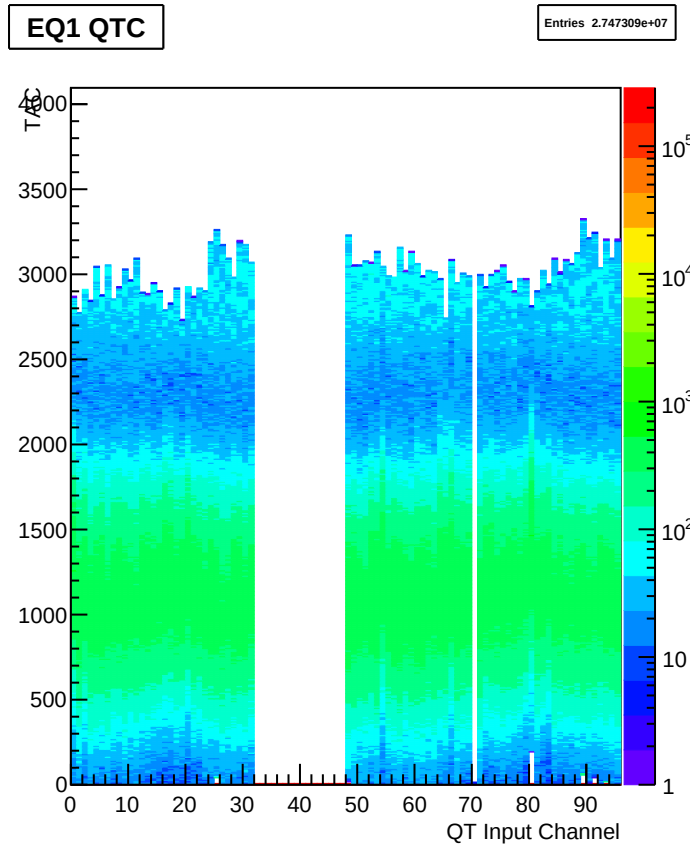

BBQ-VP002 West
Entries 4578848
ADC
QT Input Channel

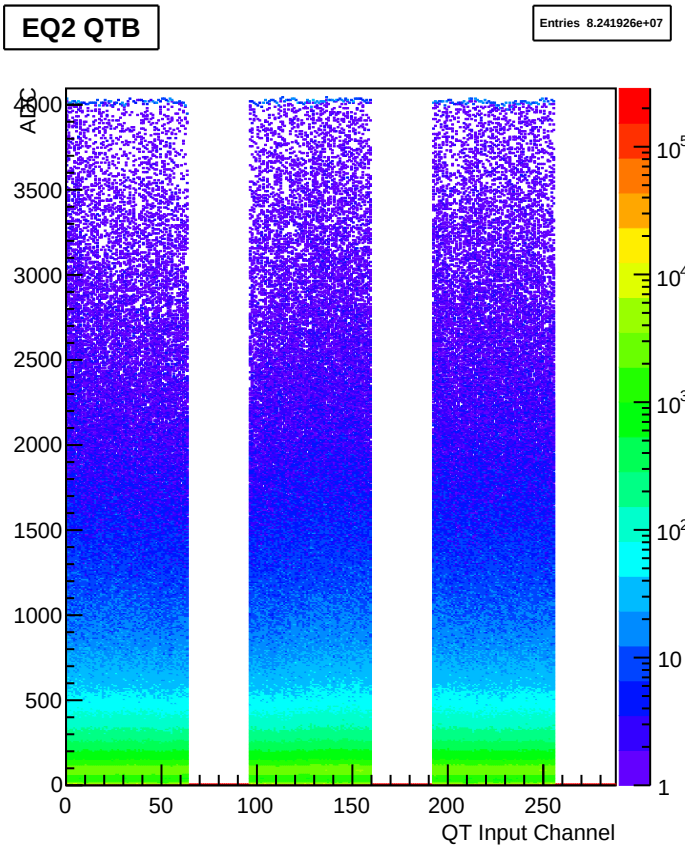

BBQ-VP002 West
Entries 4578848
TADC
QT Input Channel

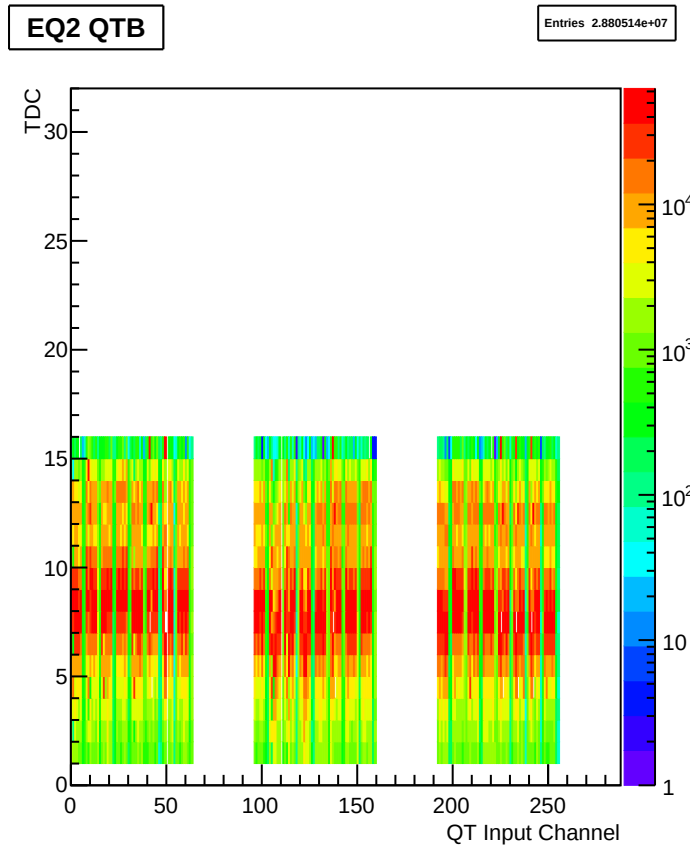

EQ1 QTB
Entries 8.241926e+07
ADC
QT Input Channel

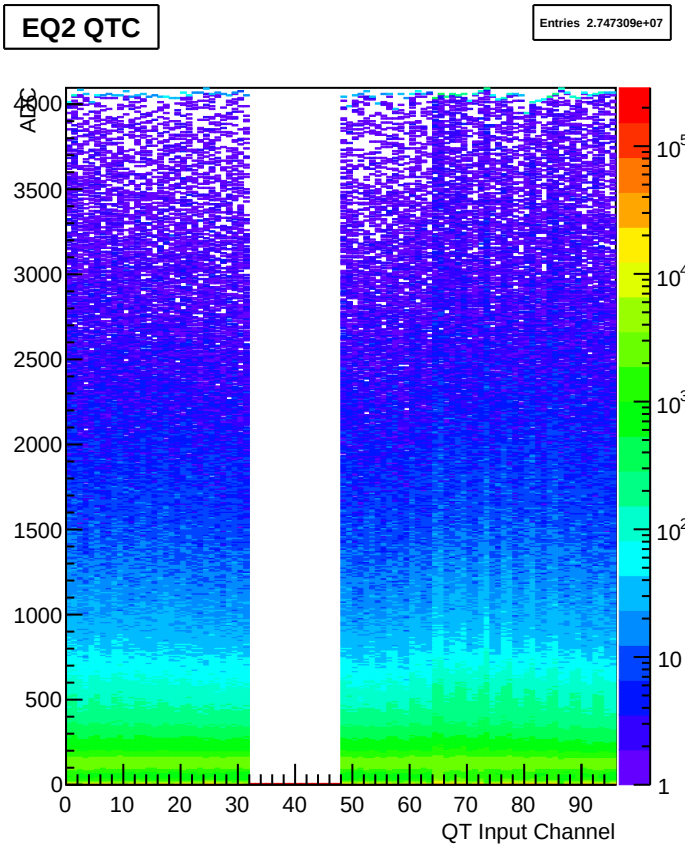

EQ1 QTB
Entries 2.863089e+07
TDC
QT Input Channel

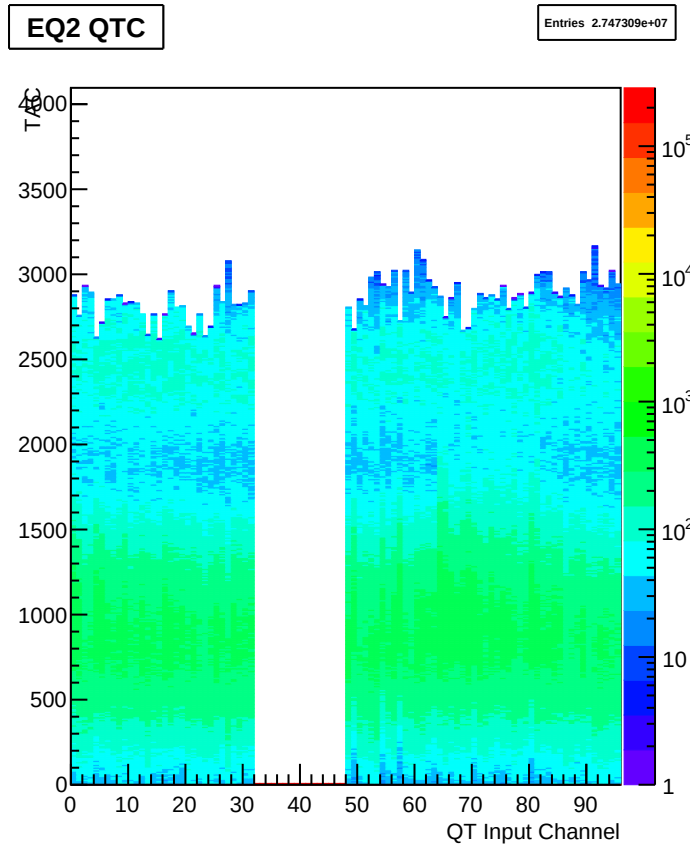

EQ1 QTC
Entries 2.747309e+07
ADC
QT Input Channel

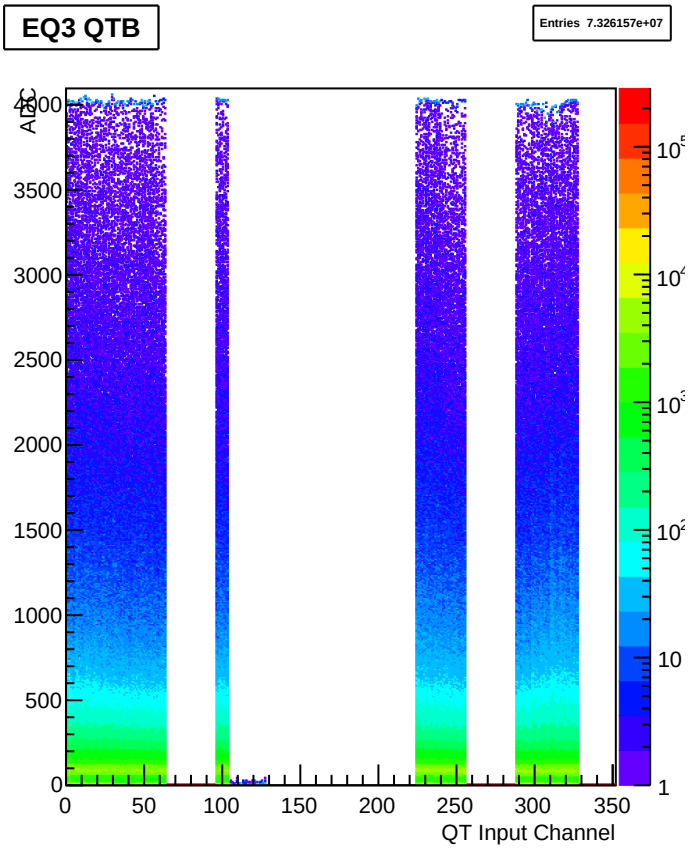

EQ1 QTC
Entries 2.747309e+07
TADC
QT Input Channel

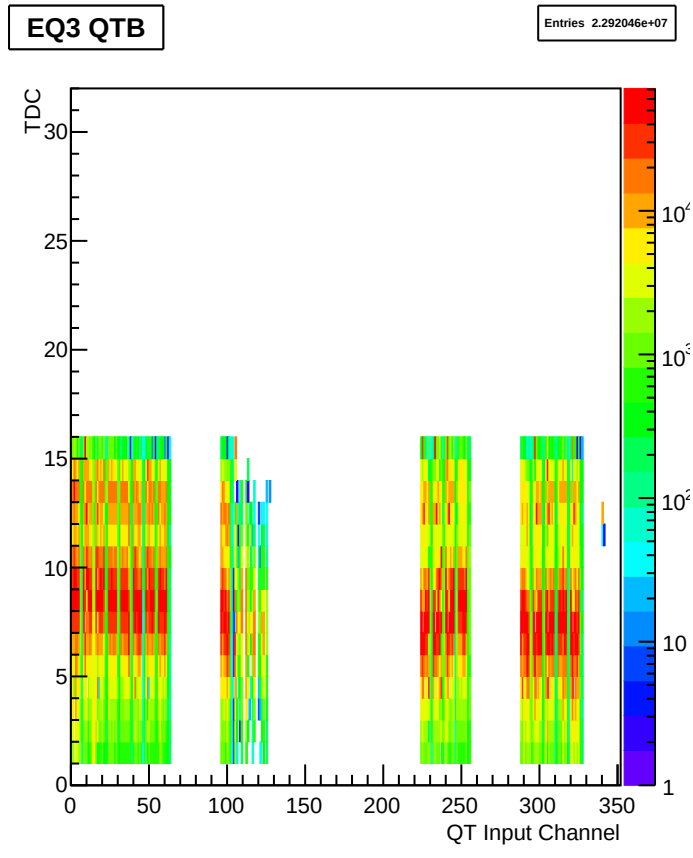

EQ2 QTB
Entries 8.241926e+07
ADC
QT Input Channel

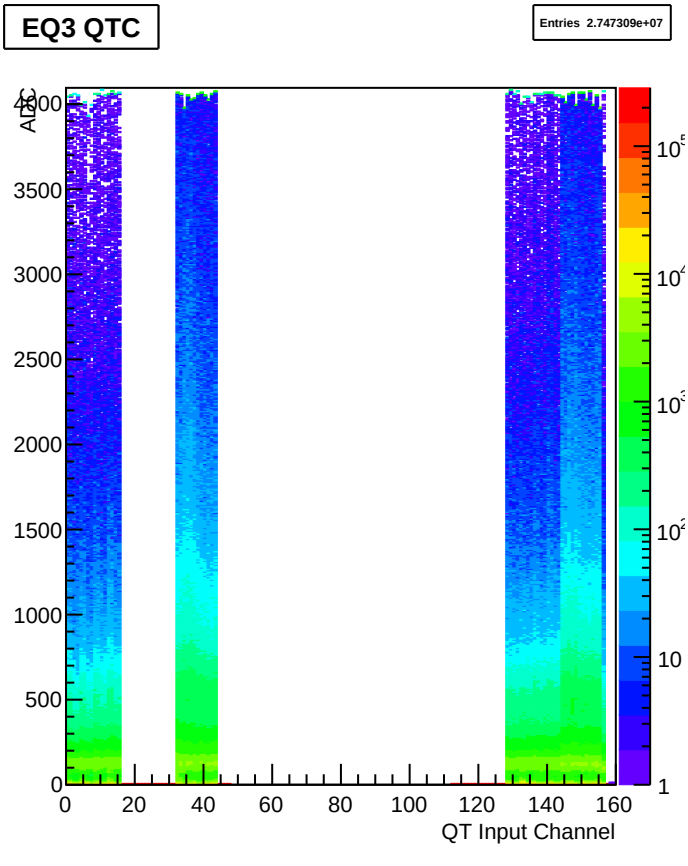

EQ2 QTB
Entries 2.880514e+07
TDC
QT Input Channel

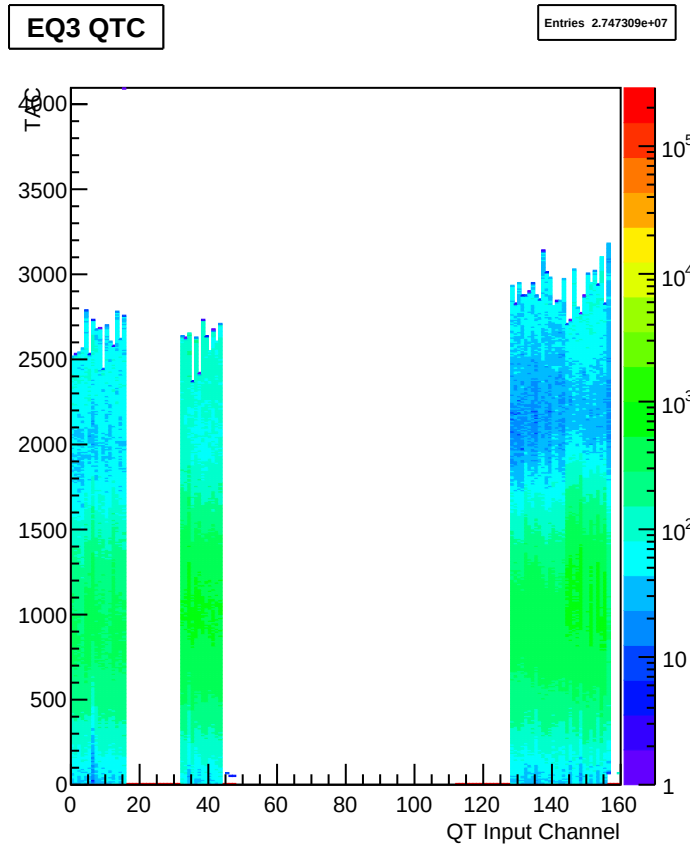

EQ2 QTC
Entries 2.747309e+07
ADC
QT Input Channel

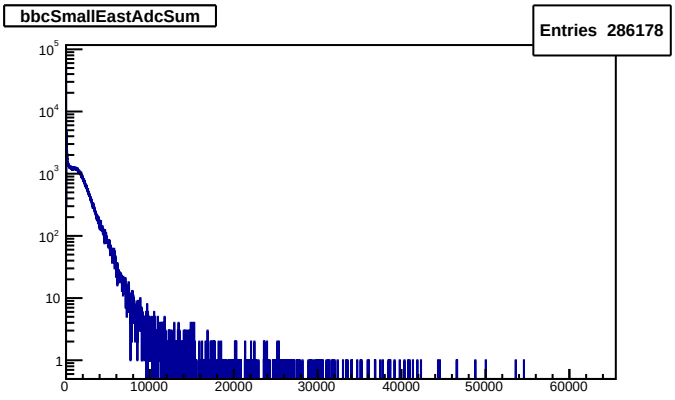

EQ2 QTC
Entries 2.747309e+07
TADC
QT Input Channel

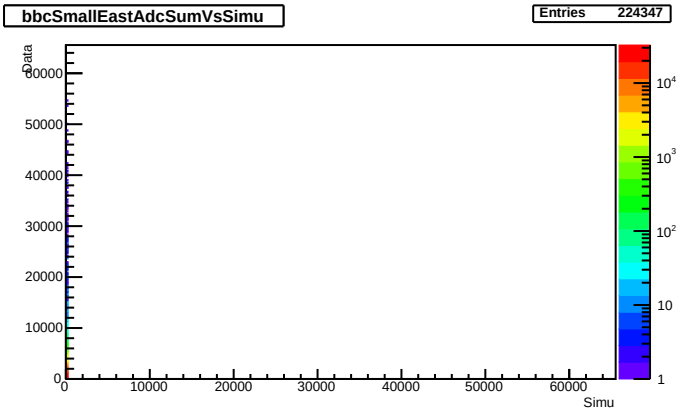

EQ3 QTB
Entries 7.326157e+07
ADC
QT Input Channel

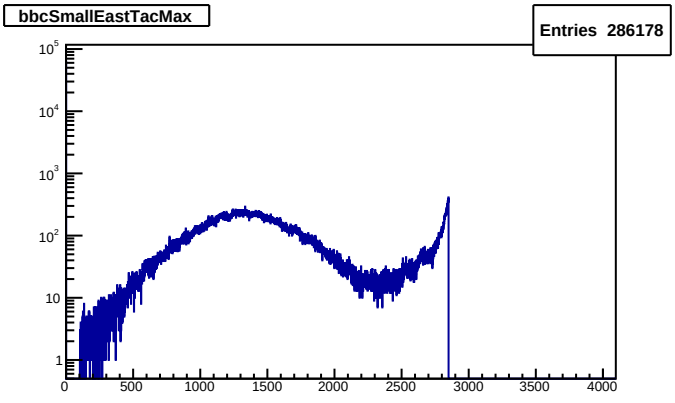

EQ3 QTB
Entries 2.292046e+07
TDC
QT Input Channel

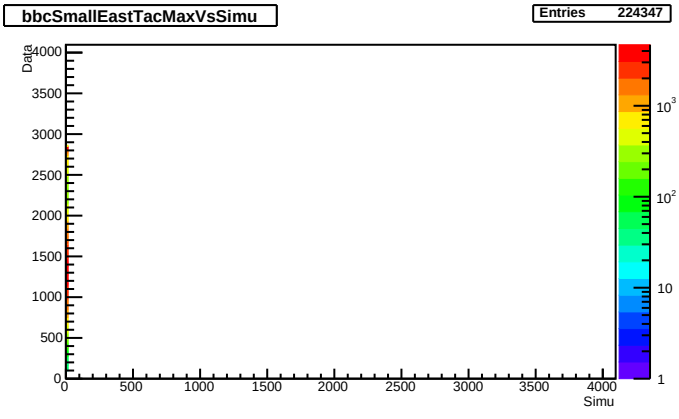

EQ3 QTC
Entries 2.747309e+07
ADC
QT Input Channel

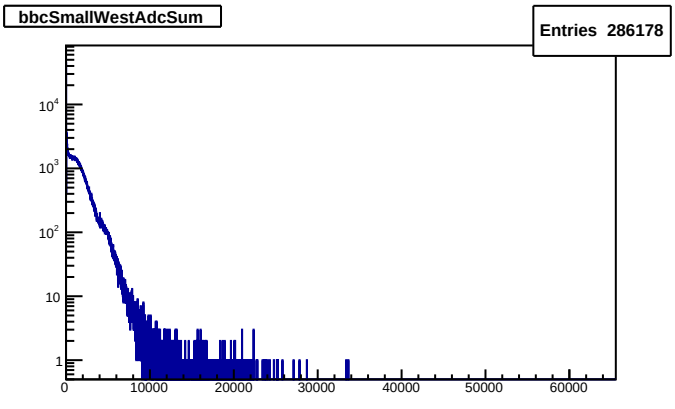

EQ3 QTC
Entries 2.747309e+07
TADC
QT Input Channel

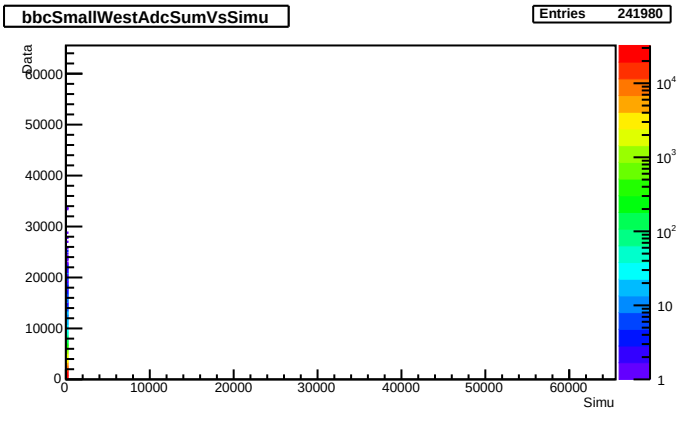

bbcSmallEastAdcSum
Entries 286178


bbcSmallEastAdcSumVsSimu
Entries 224347
Data
Simu


bbcSmallEastTacMax
Entries 286178


bbcSmallEastTacMaxVsSimu
Entries 224347
Data
Simu


bbcSmallWestAdcSum
Entries 286178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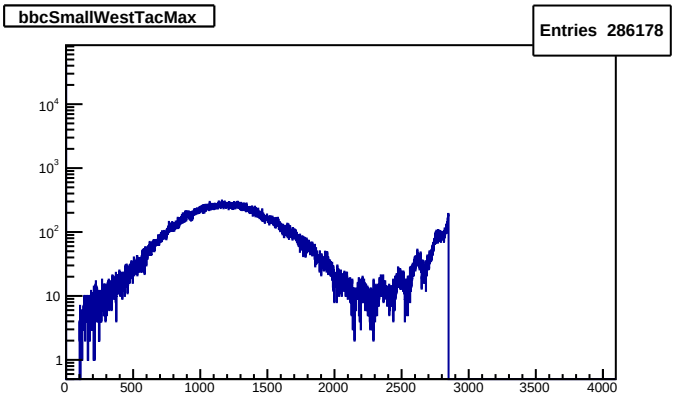
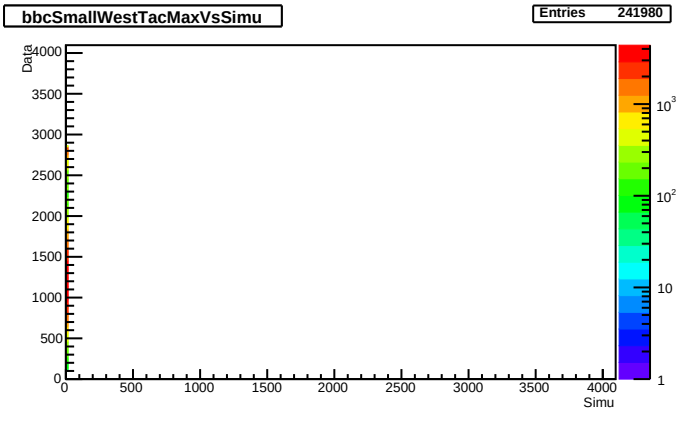
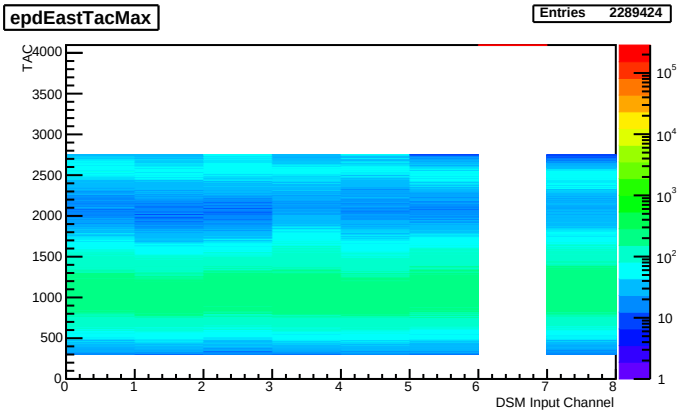
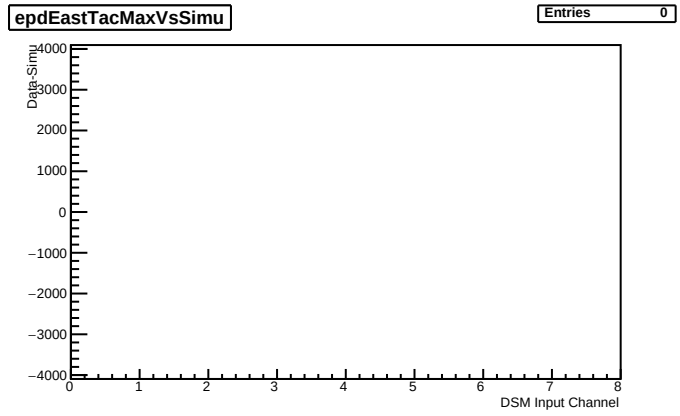
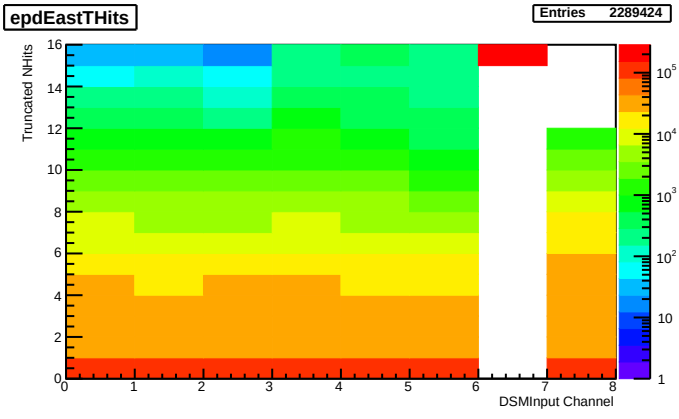
Entries 241980
Data
Simu

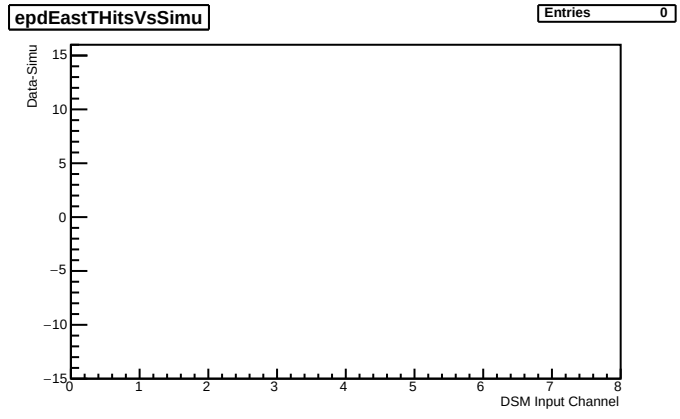

bbcSmallWestTacMax
Entries 286178

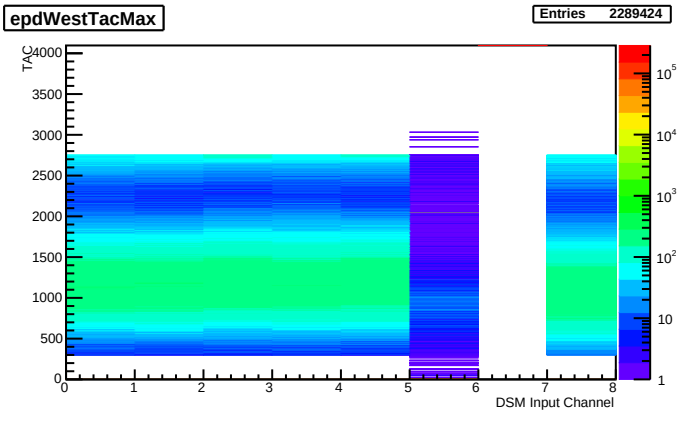

bbcSmallWestTacMaxVsSimu
Entries 241980
Data
Simu


epdEastTacMax
Entries 2289424
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2289424
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel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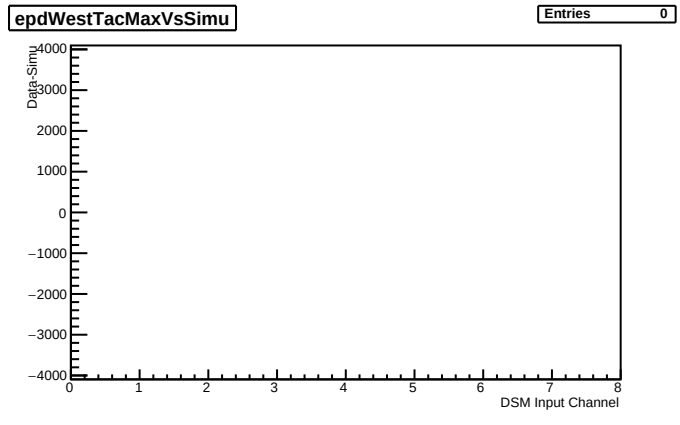
Entries 2289424
TAC
DSM Input Channel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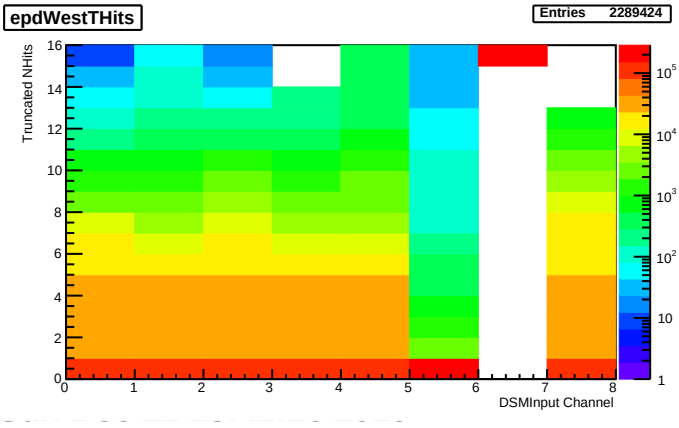
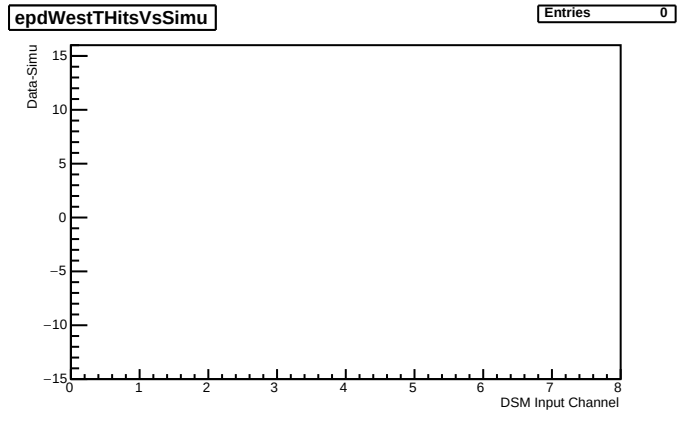
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 2289424
Truncated NHits
DSMInput Channel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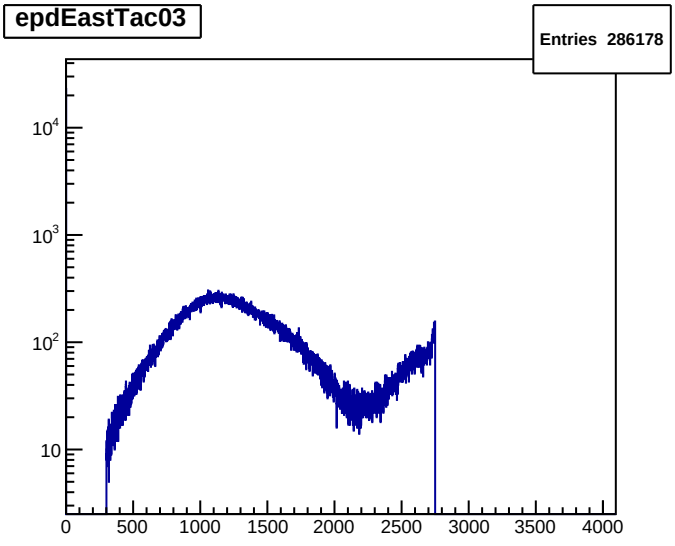
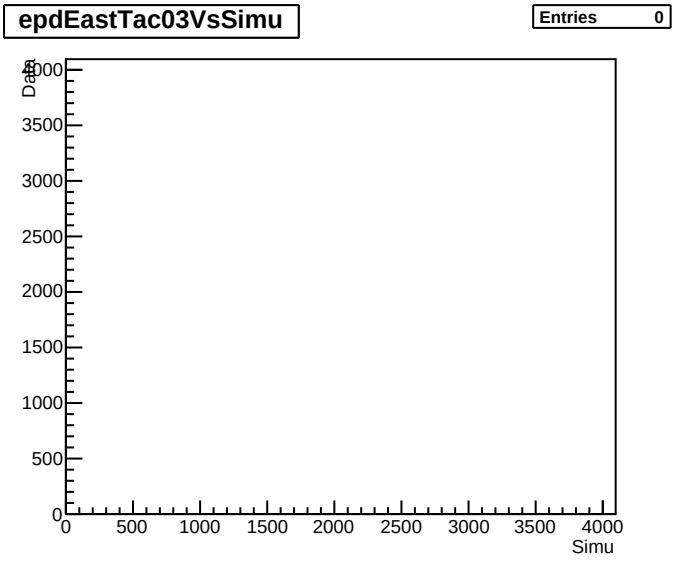
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 286178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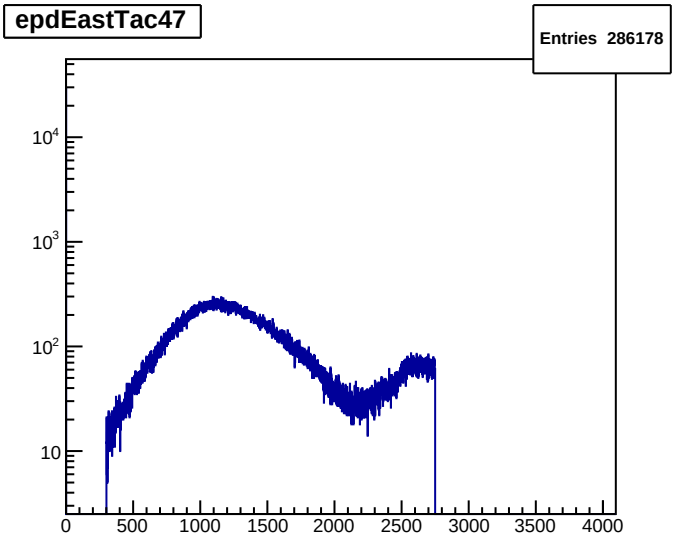
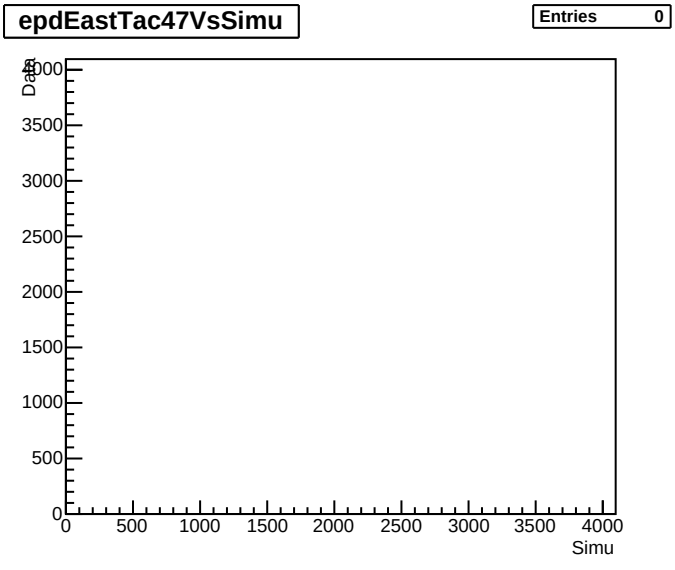
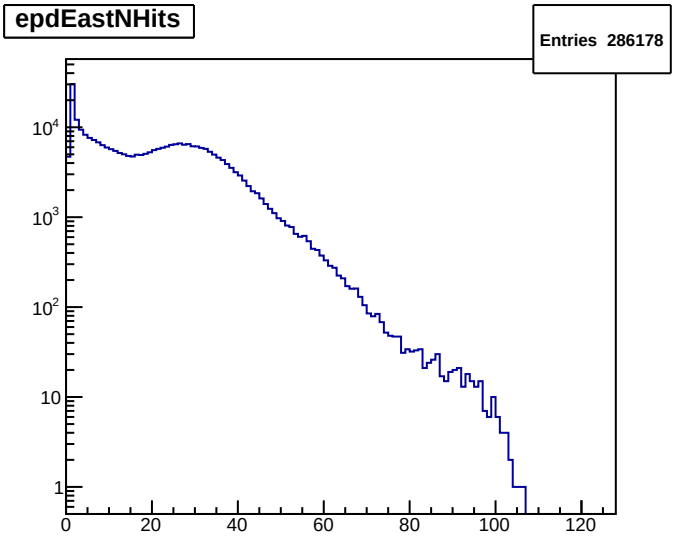
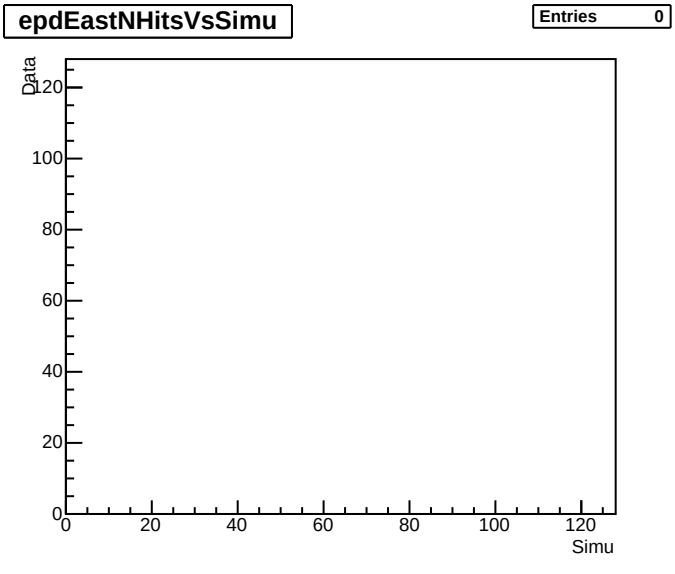
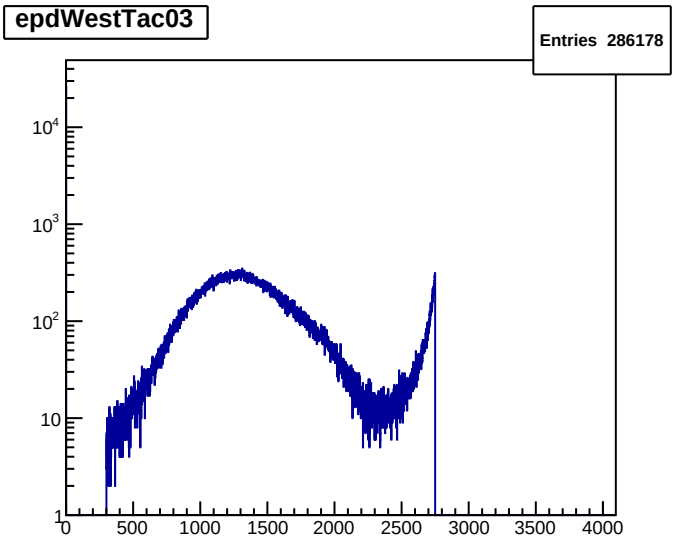
Entries 0
Data
Simu

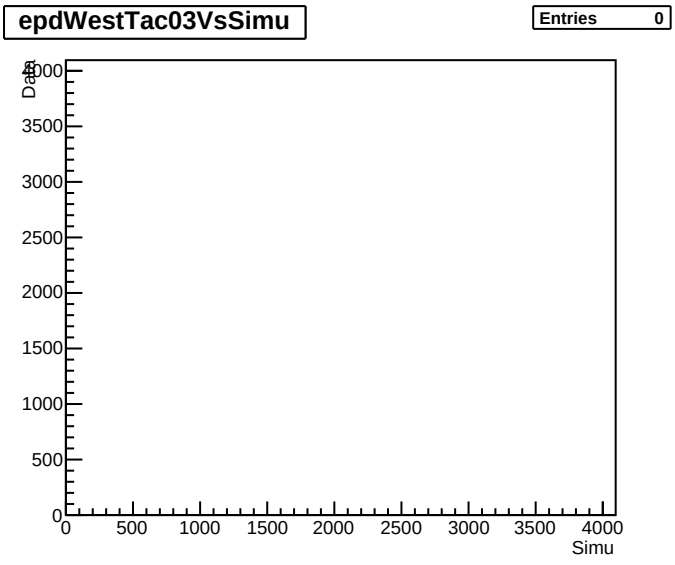

epdEastTac47
Entries 286178

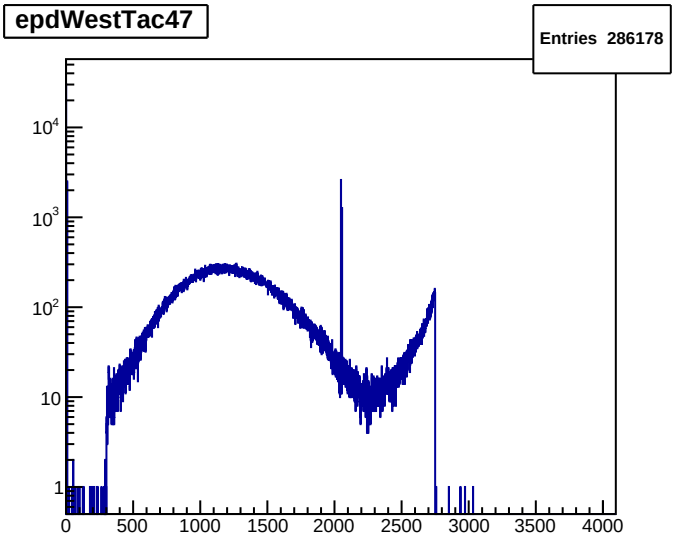

epdEastTac47VsSimu
Entries 0
Data
Simu

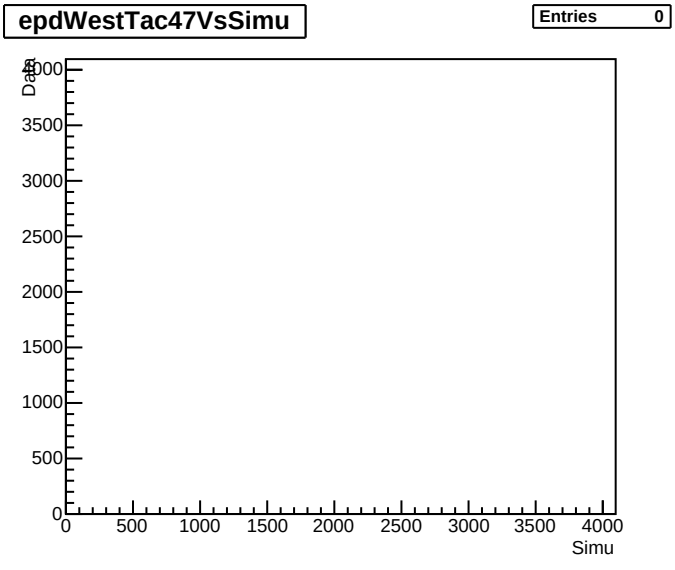

epdEastNHits
Entries 286178


epdEastNHitsVsSimu
Entries 0
Data
Simu


epdWestTac03
Entries 286178


epdWestTac03VsSimu
Entries 0
Data
Simu


epdWestTac47
Entries 286178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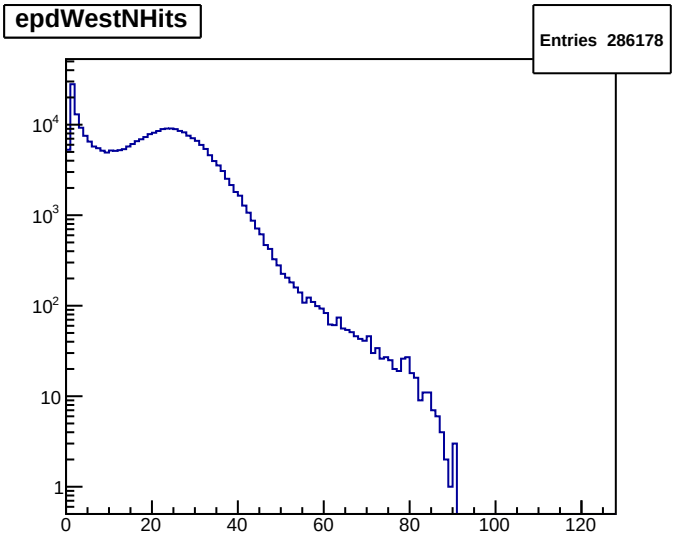
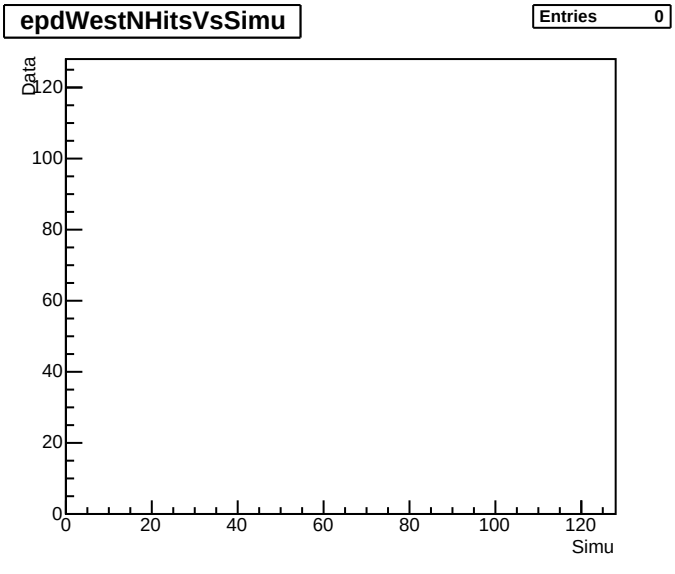
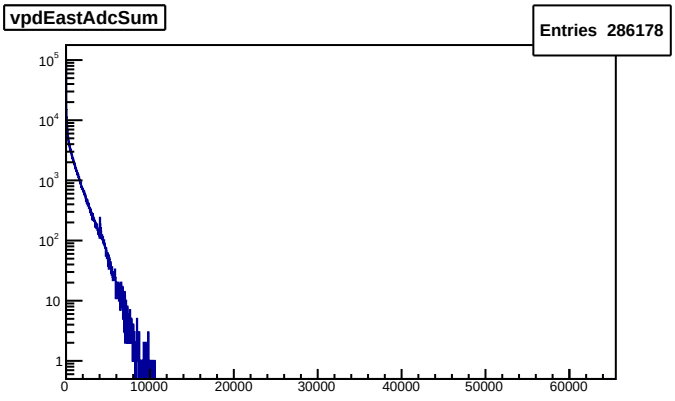
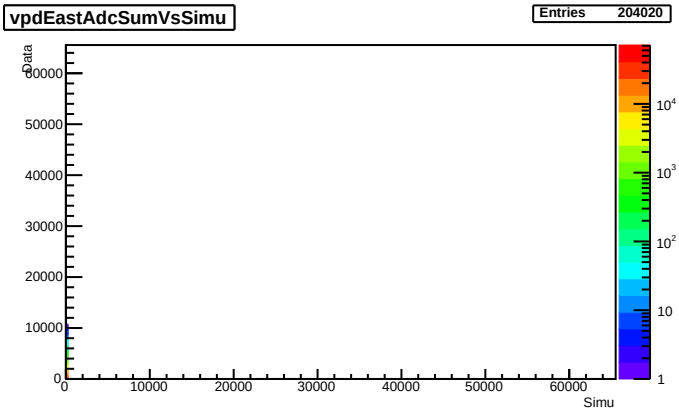
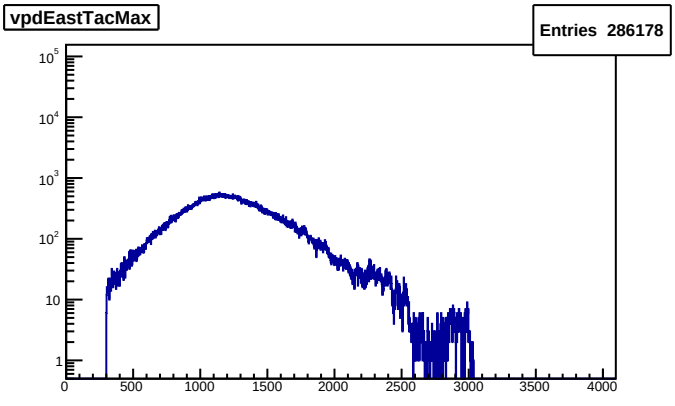
Entries 0
Data
Simu

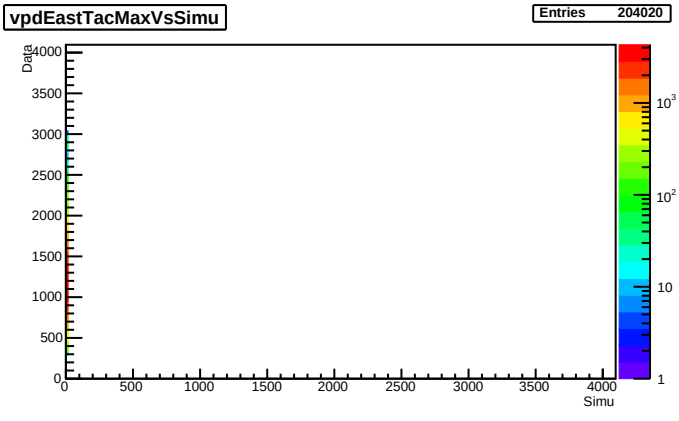

epdWestNHits
Entries 286178

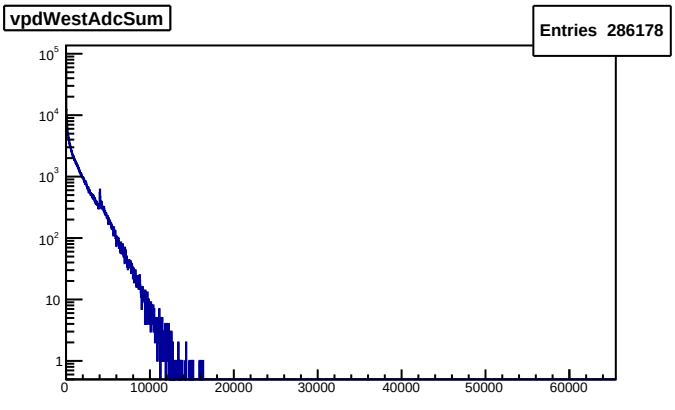

epdWestNHitsVsSimu
Entries 0
Data
Simu

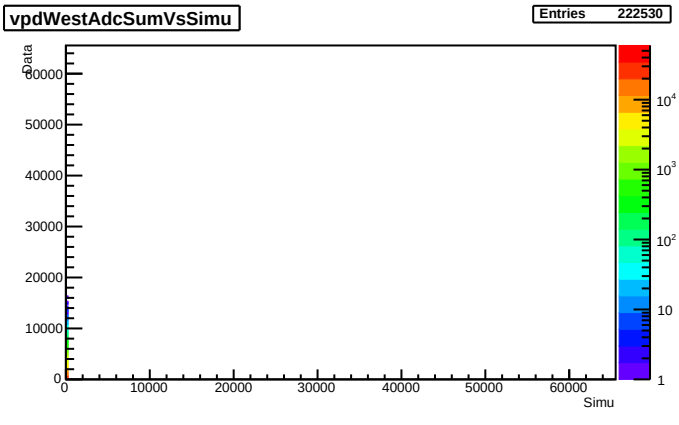

vpdEastAdcSum
Entries 286178

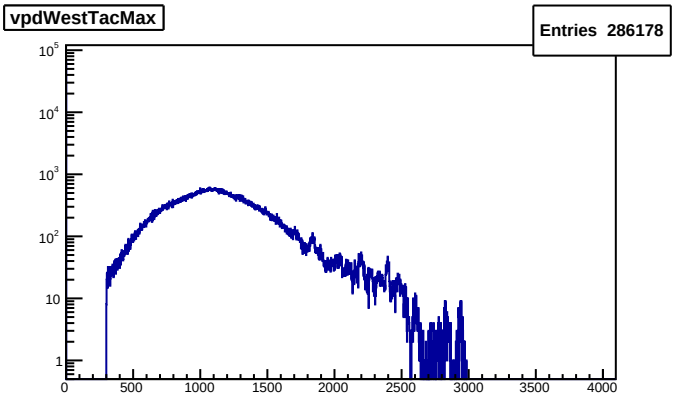

vpdEastAdcSumVsSimu
Entries 204020
Data
Simu

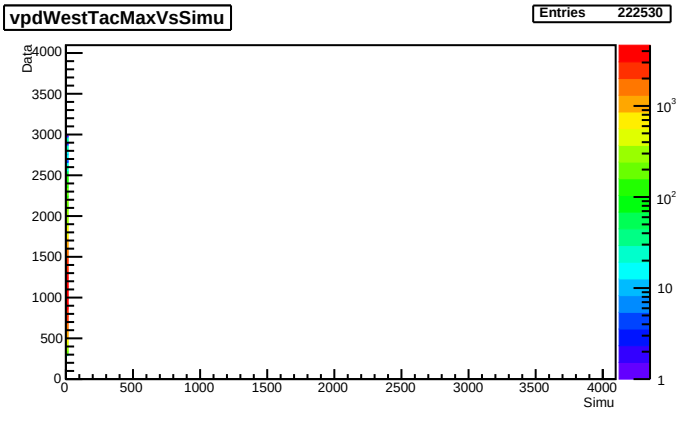

vpdEastTacMax
Entries 286178

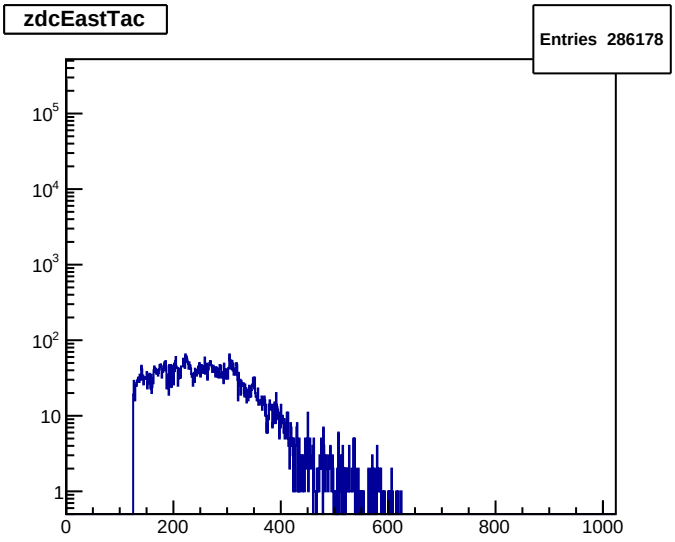

vpdEastTacMaxVsSimu
Entries 204020
Data
Simu

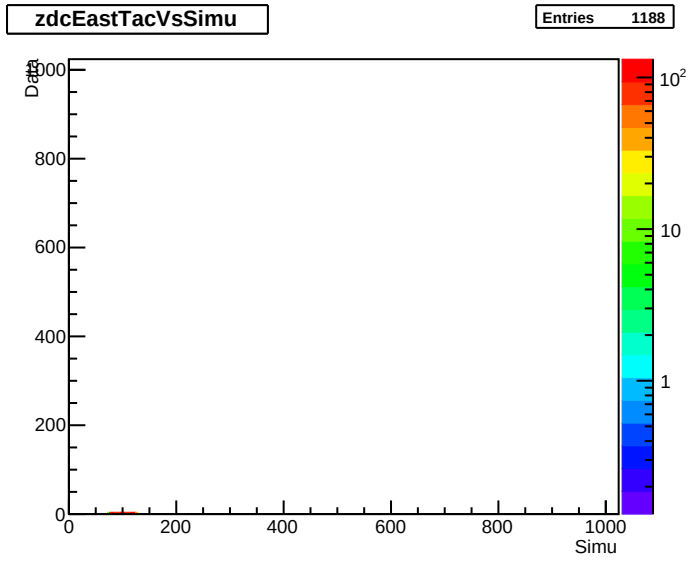

vpdWestAdcSum
Entries 286178

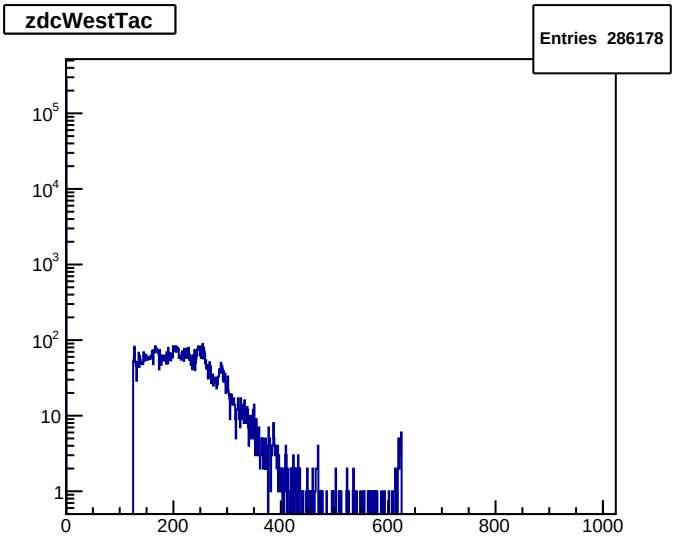

vpdWestAdcSumVsSimu
Entries 222530
Data
Simu

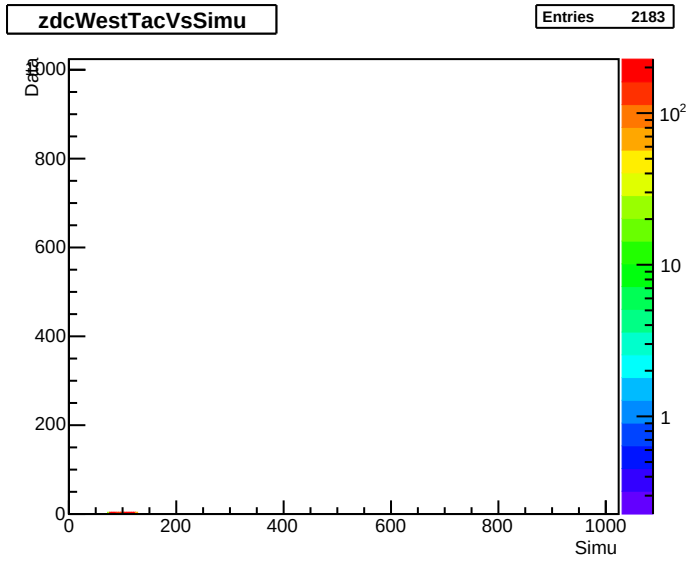

vpdWestTacMax
Entries 286178

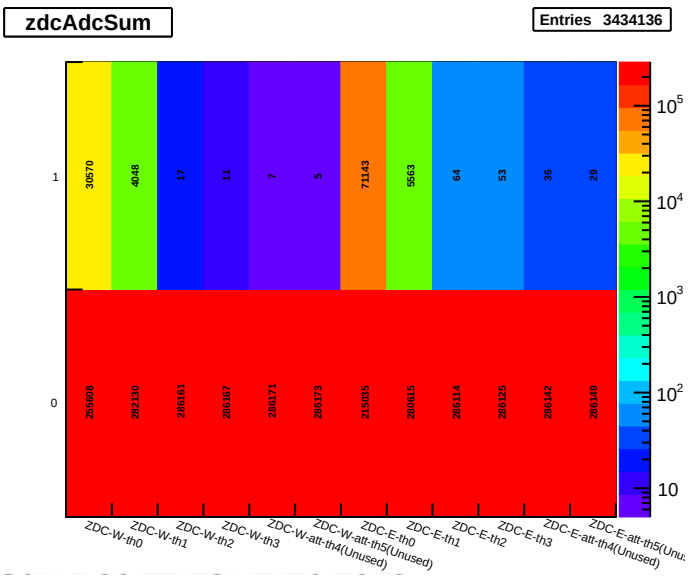

vpdWestTacMaxVsSimu
Entries 222530
Data
Simu

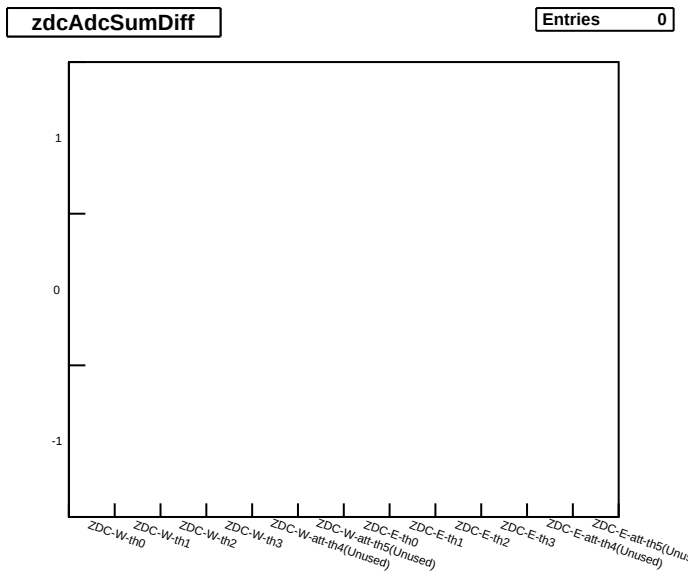

zdcEastTac
Entries 286178

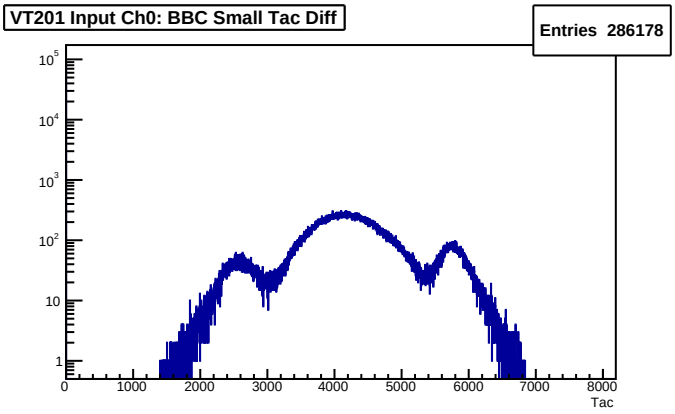

zdcEastTacVsSimu
Entries 1188
Data
Simu

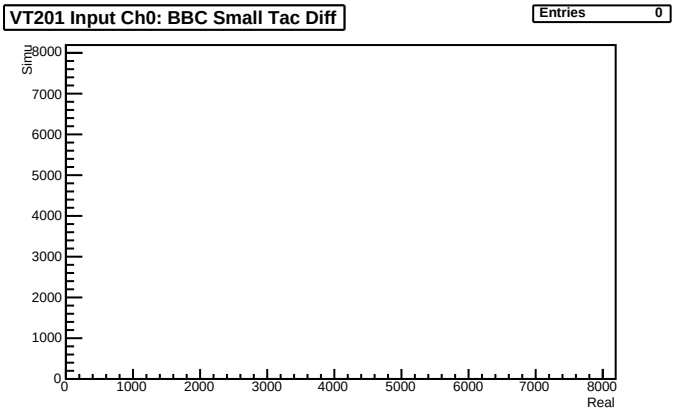

zdcWestTac
Entries 286178

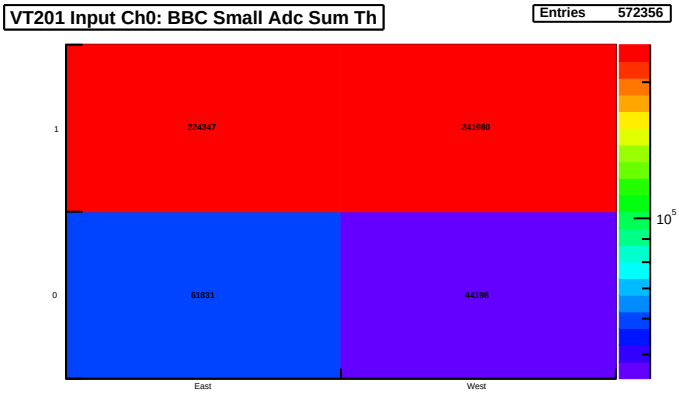

zdcWestTacVsSimu
Entries 2183
Data
Simu

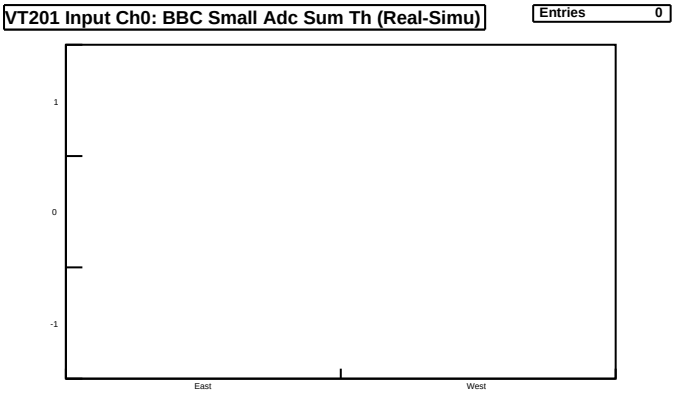

zdcAdcSum
Entries 3434136
30670
4048
17
11
7
5
71143
5563
64
53
36
29
255608
282130
286161
286167
286171
286173
215035
280615
286114
286125
286142
286149
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

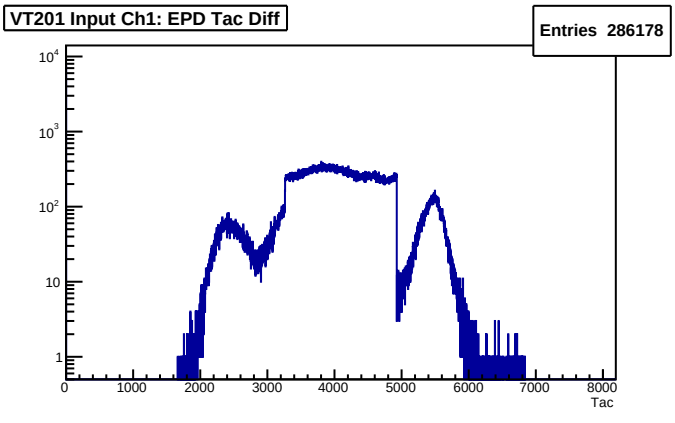

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

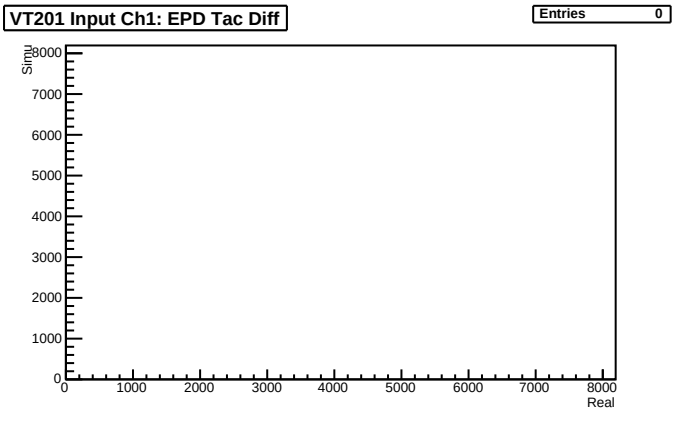

VT201 Input Ch0: BBC Small Tac Diff
Entries 286178
Tac

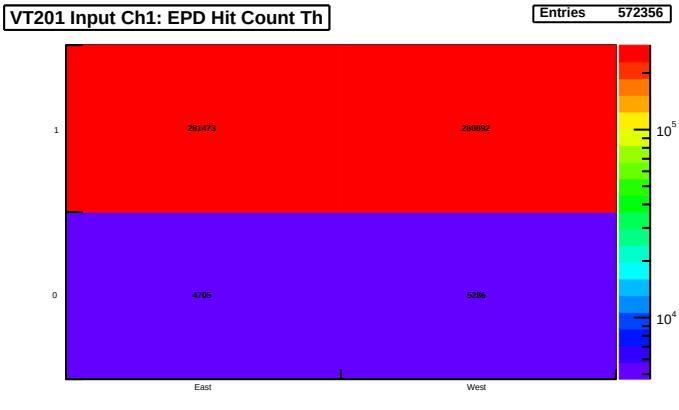

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

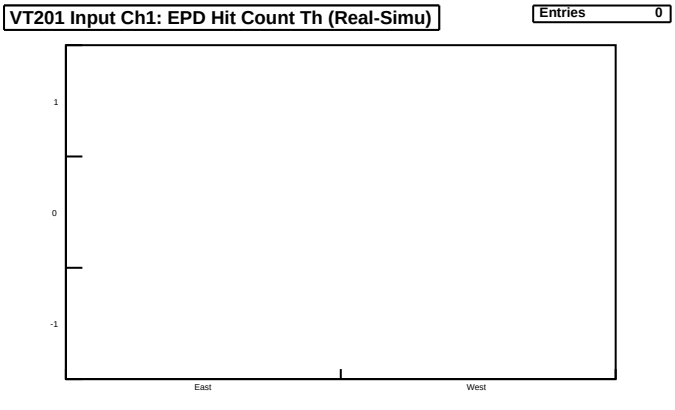

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 572356
224347
241980
61831
44198
East
West

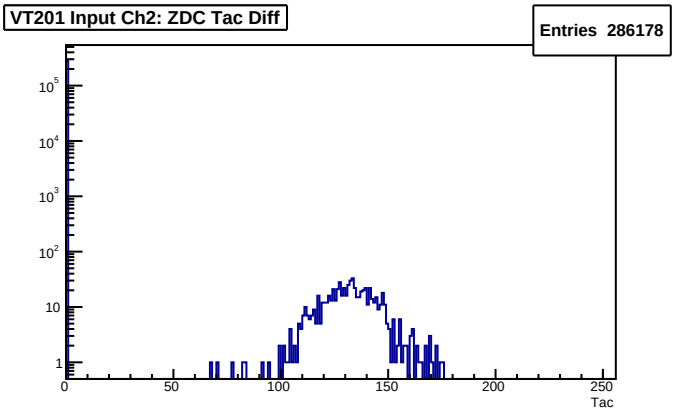

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

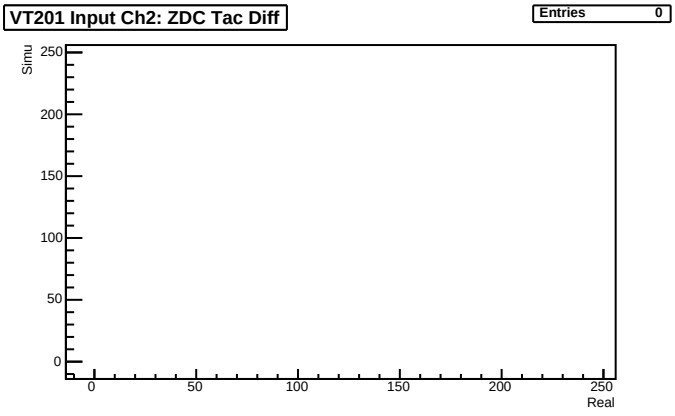

VT201 Input Ch1: EPD Tac Diff
Entries 286178
Tac

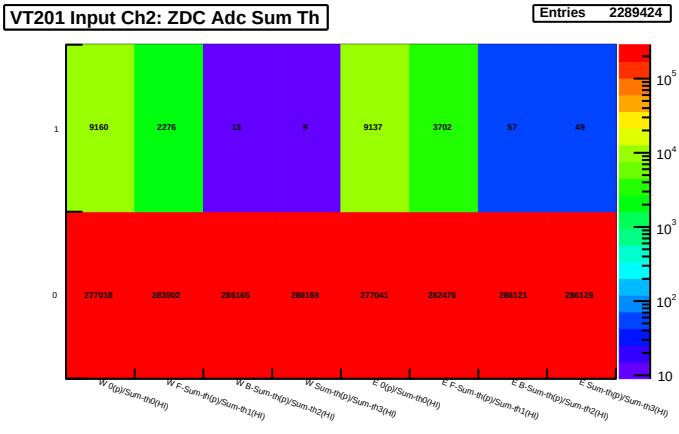

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

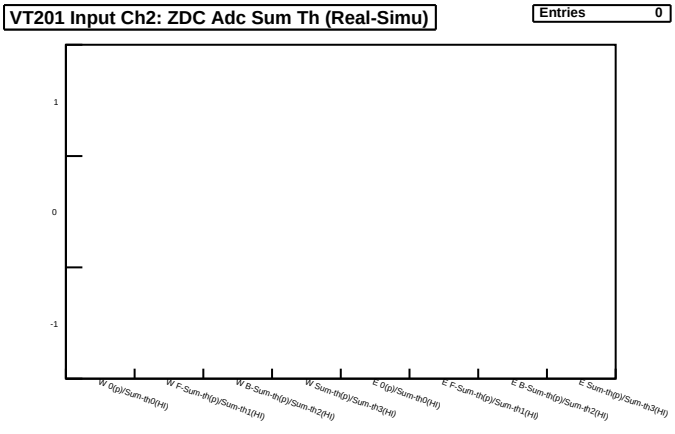

VT201 Input Ch1: EPD Hit Count Th
Entries 572356
281473
280892
4705
5286
East
West

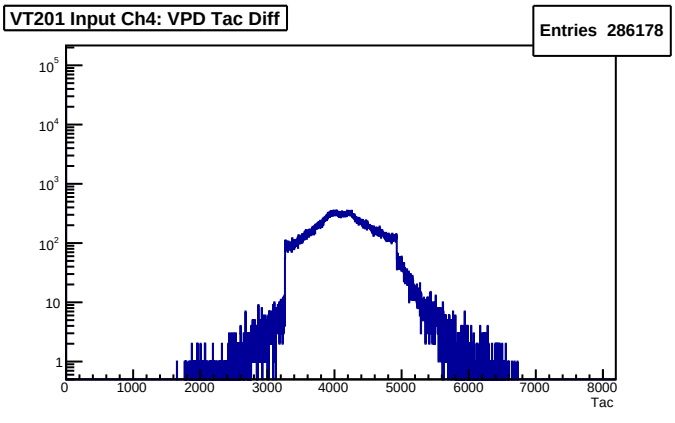

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

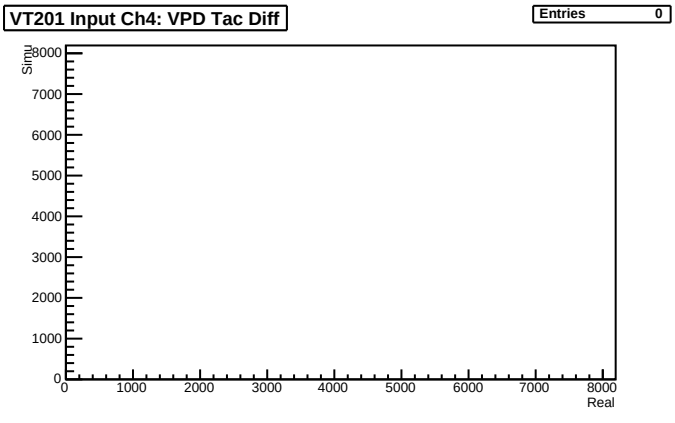

VT201 Input Ch2: ZDC Tac Diff
Entries 286178
Tac

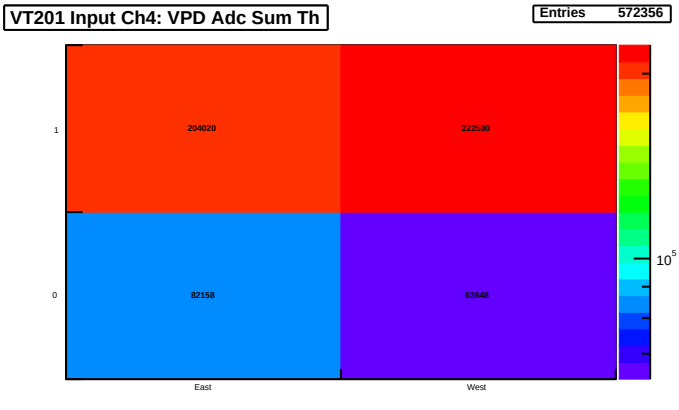

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

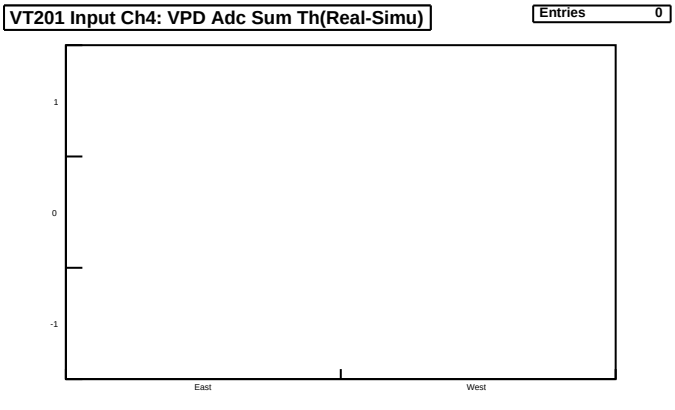

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2289424
9160
2276
13
9
9137
3702
57
49
277018
283902
286165
286169
277041
282476
286121
286129
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

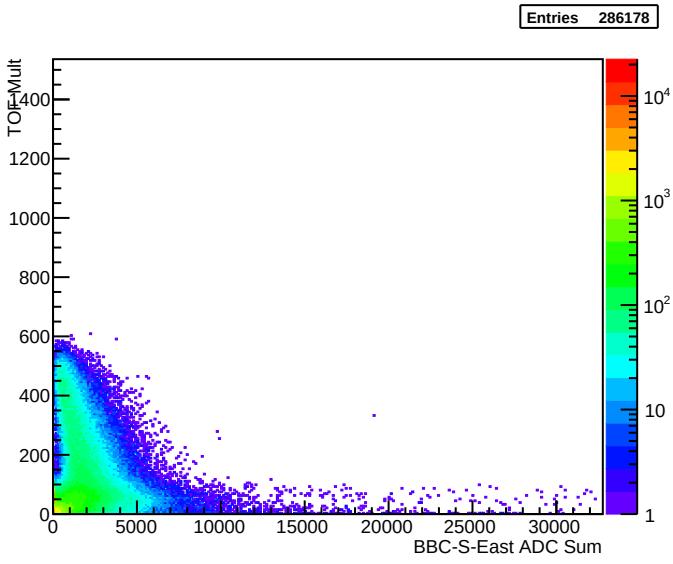

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

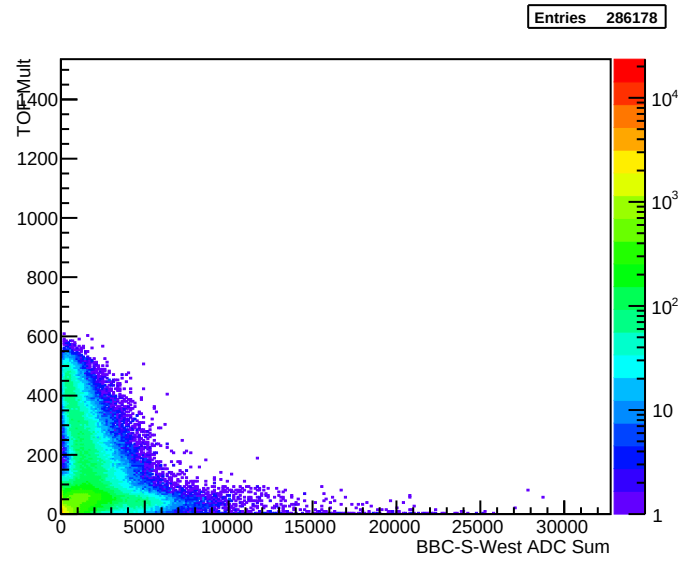

VT201 Input Ch4: VPD Tac Diff
Entries 286178
Tac

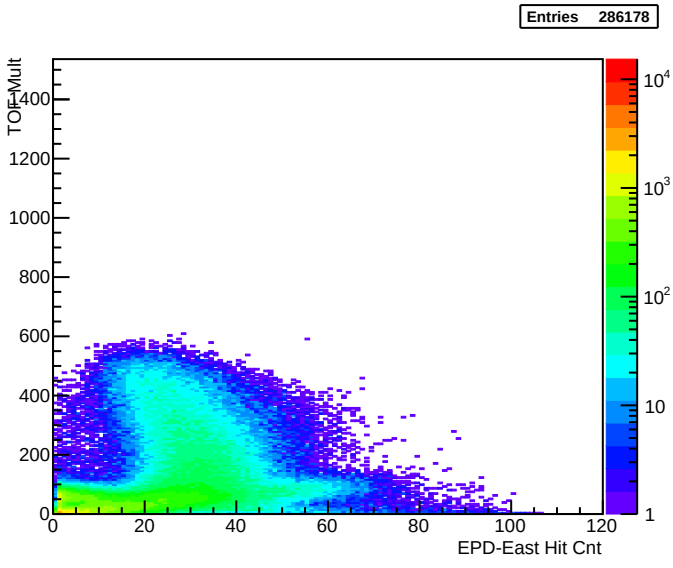

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

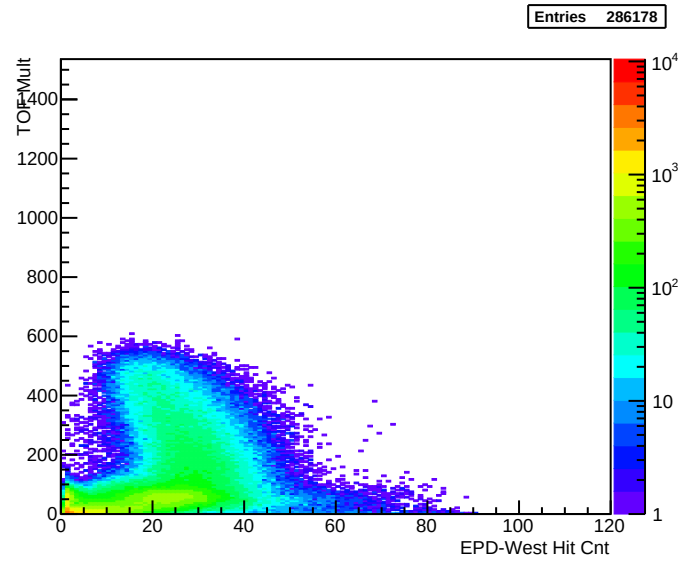

VT201 Input Ch4: VPD Adc Sum Th
Entries 572356
204020
222530
82158
63648
East
West

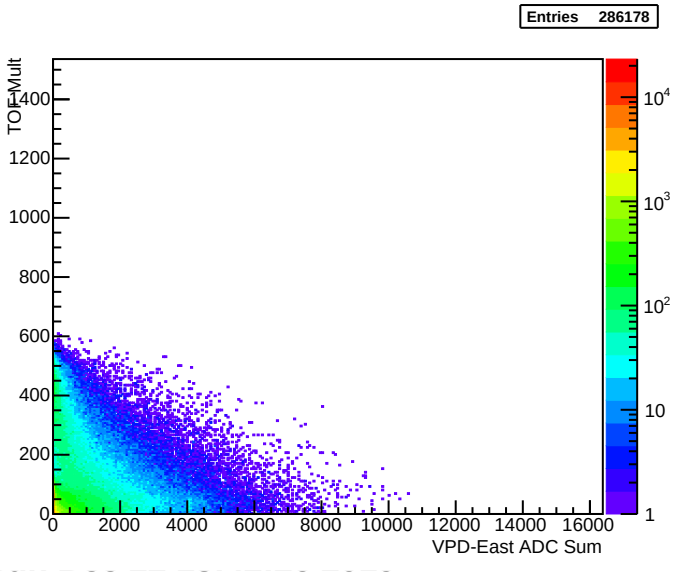

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

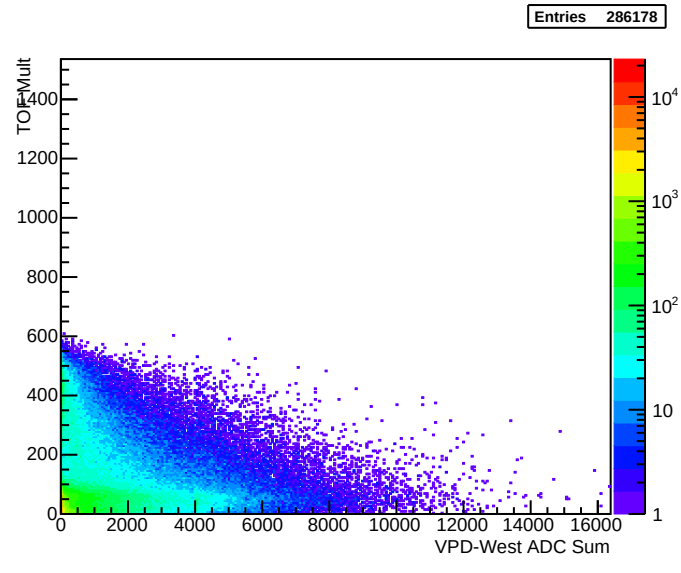

Entries 286178
TOF-Mult
BBC-S-East ADC Sum

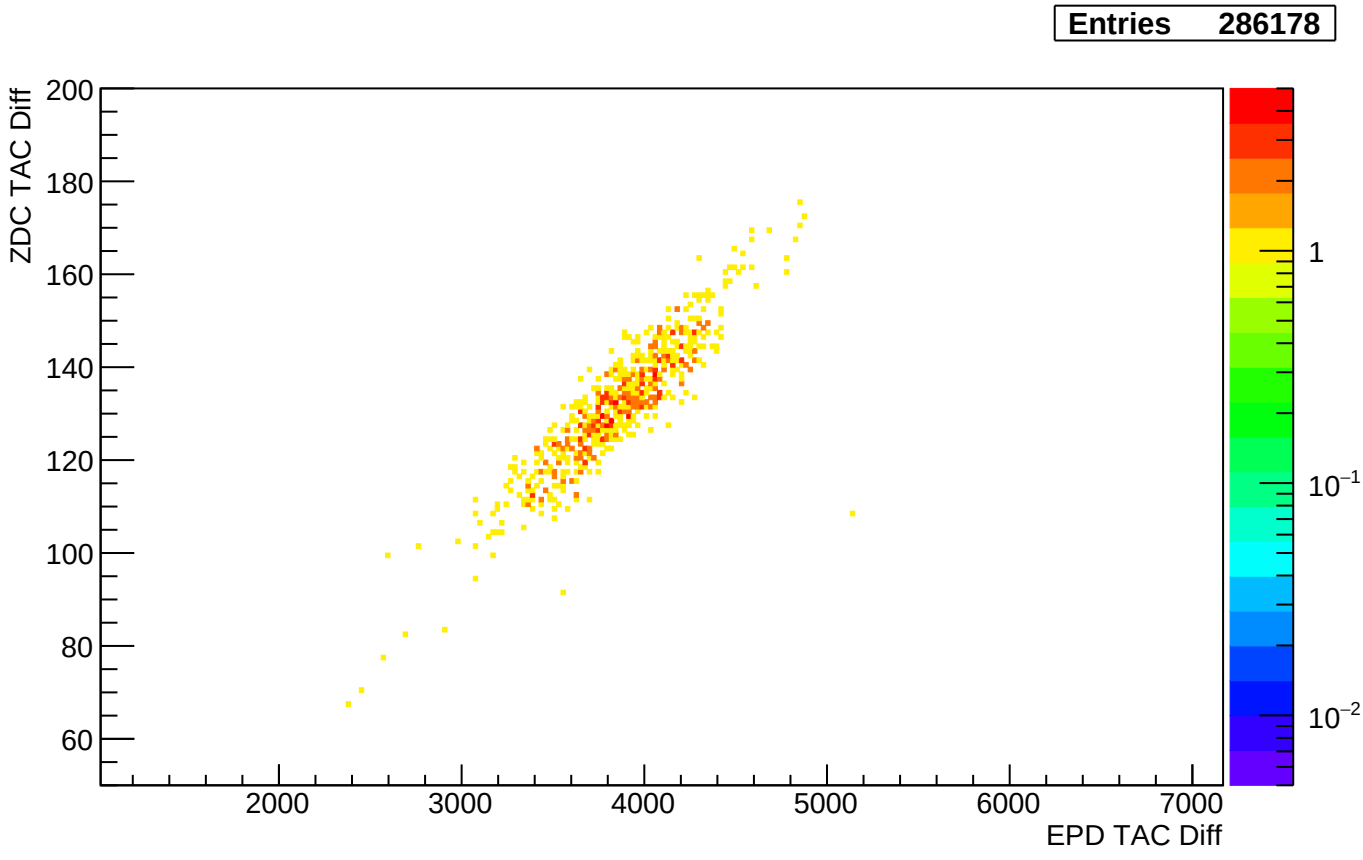

Entries 286178
TOF-Mult
BBC-S-West ADC Sum

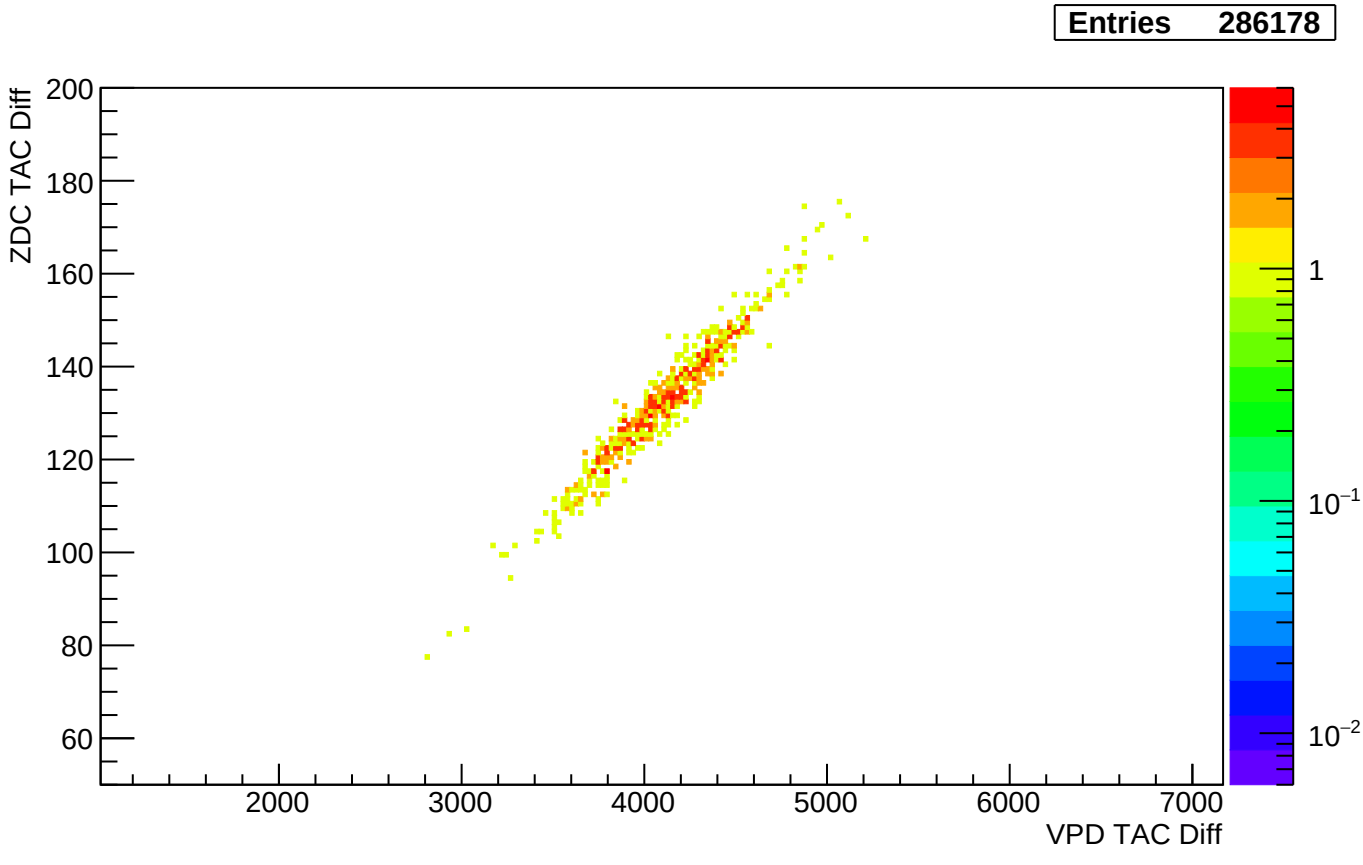

Entries 286178
TOF-Mult
EPD-East Hit Cnt

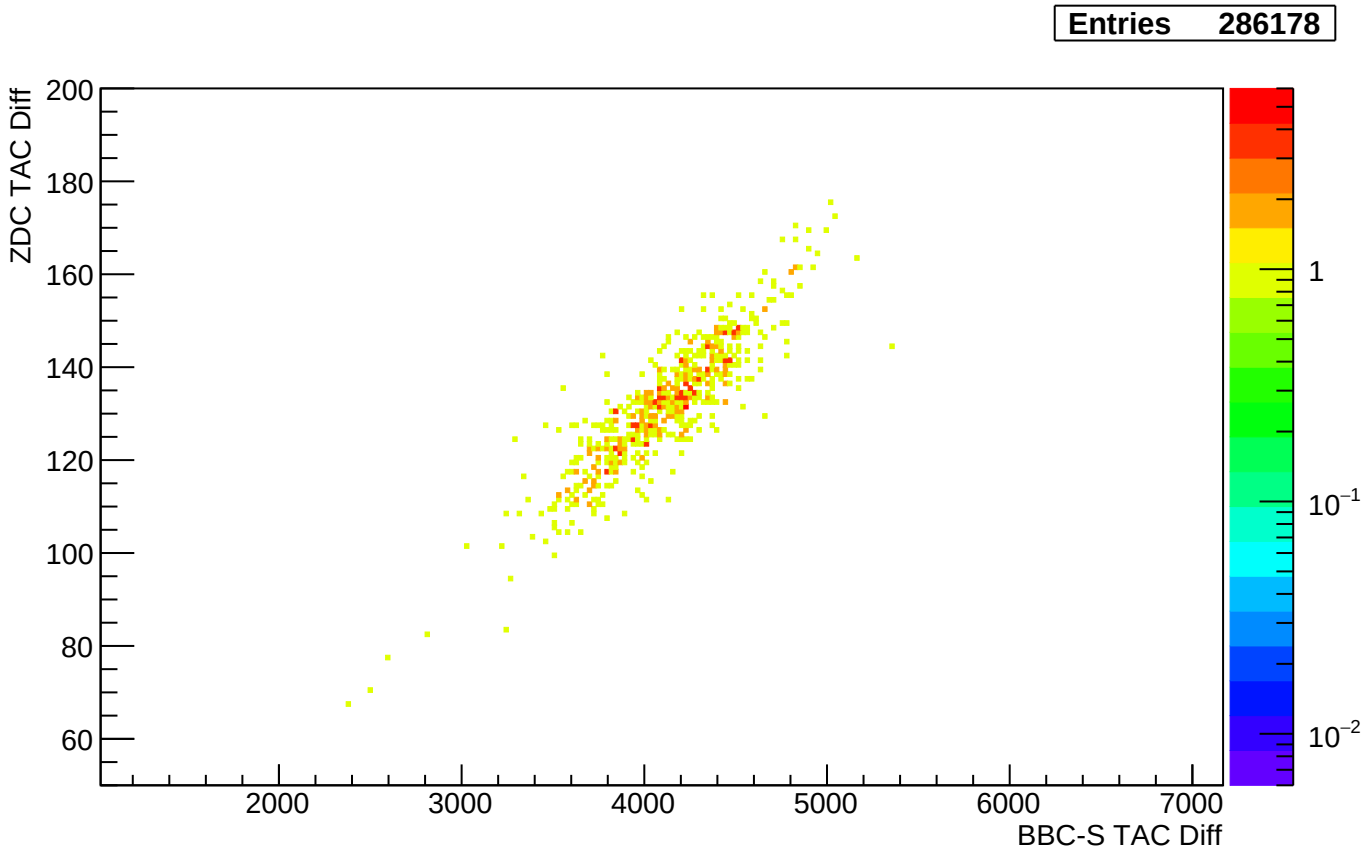

Entries 286178
TOF-Mult
EPD-West Hit Cnt

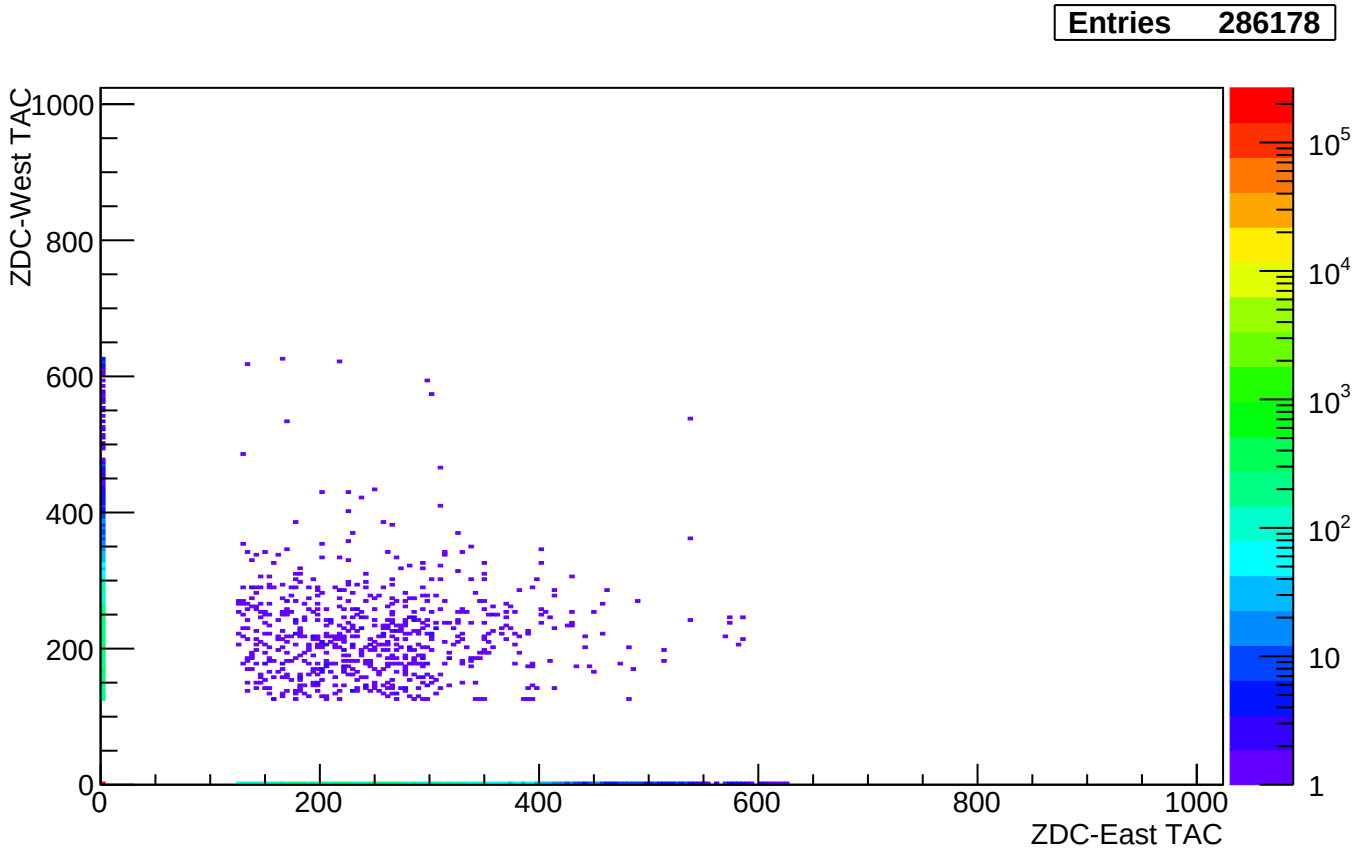

Entries 286178
TOF-Mult
VPD-East ADC Sum

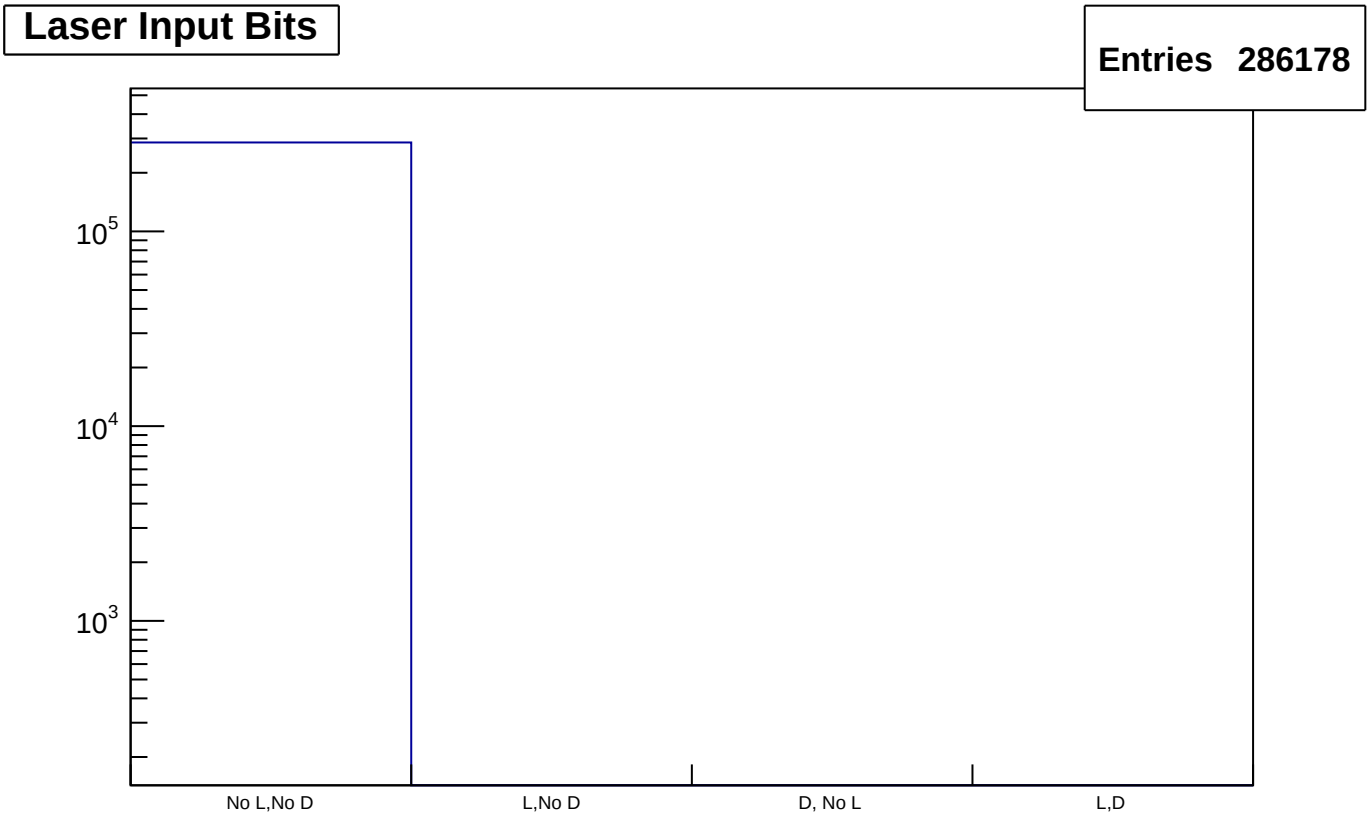

Entries 286178
TOF-Mult
VPD-West ADC Sum

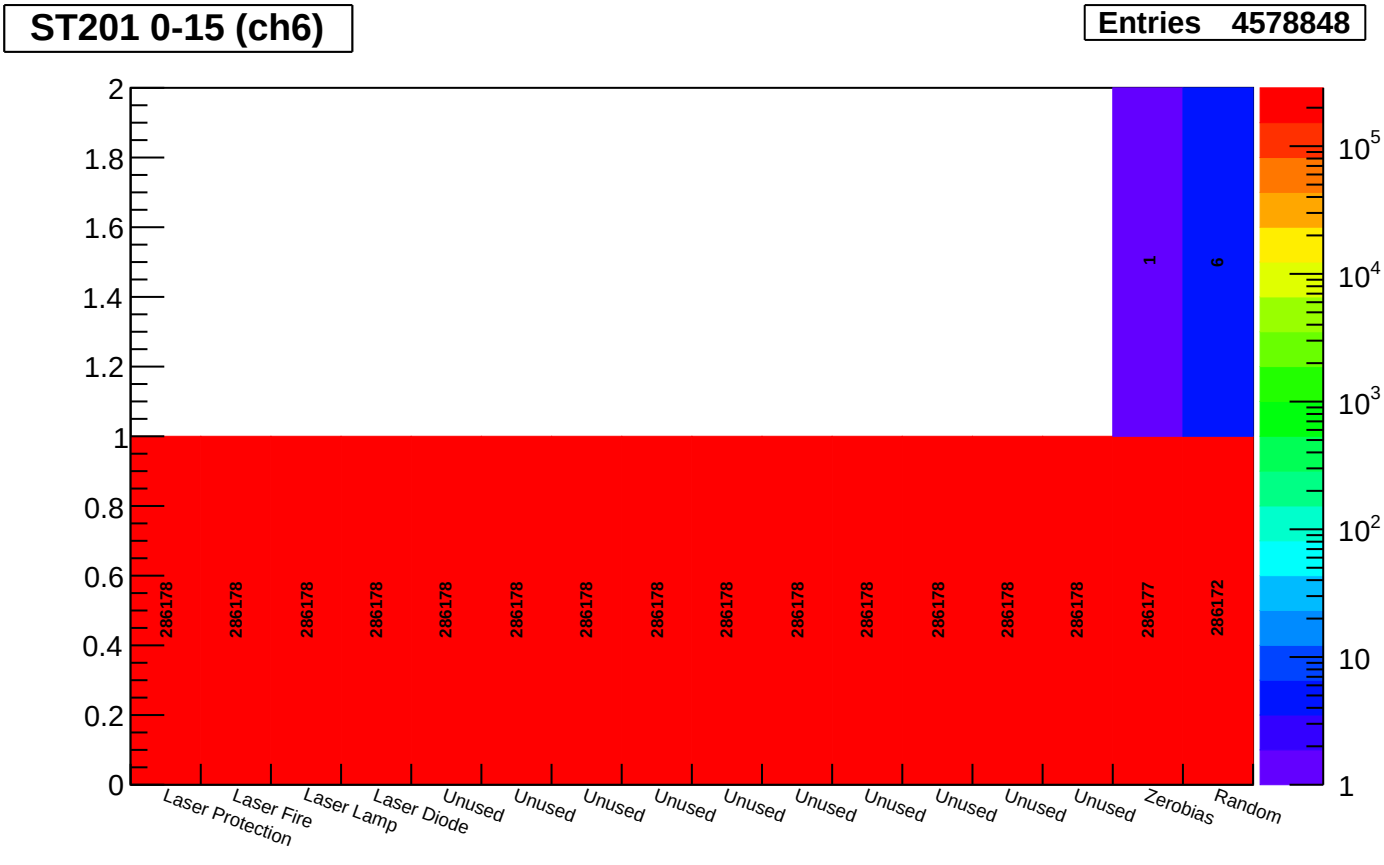

Entries 286178
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

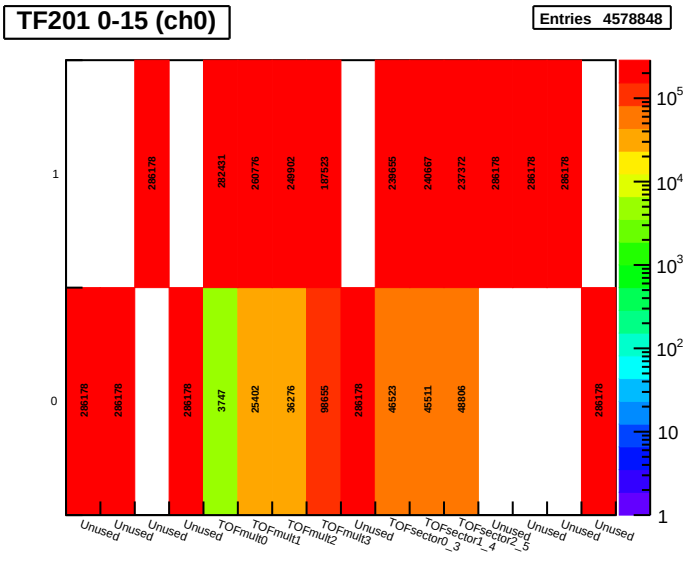

Entries 286178
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

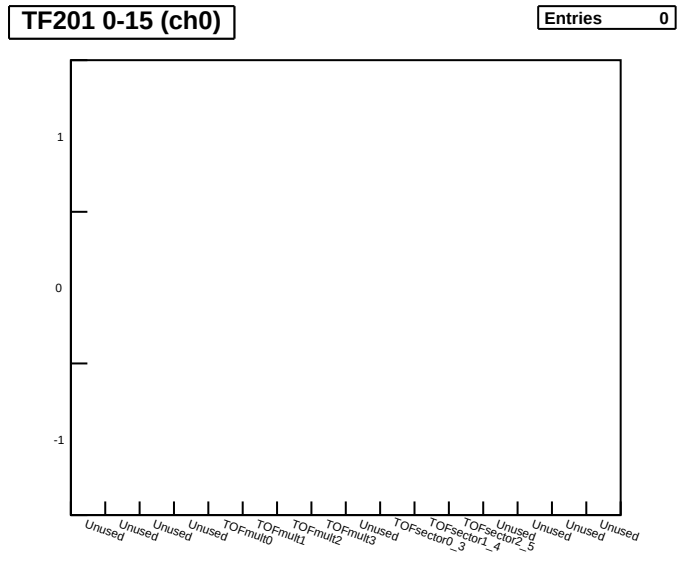

Entries 286178
ZDC TAC Diff
BBC-S TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
1
10^{-1}
10^{-2}

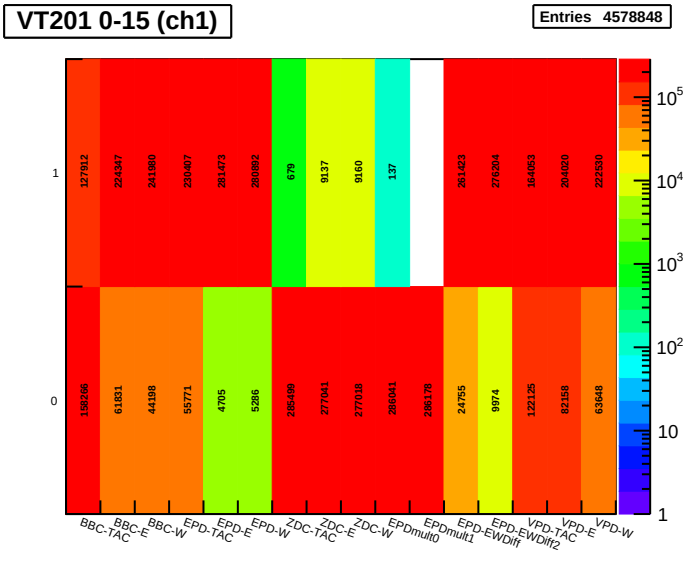

Entries 286178
ZDC-West TAC
ZDC-East TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
10^5
10^4
10^3
10^2
10
1

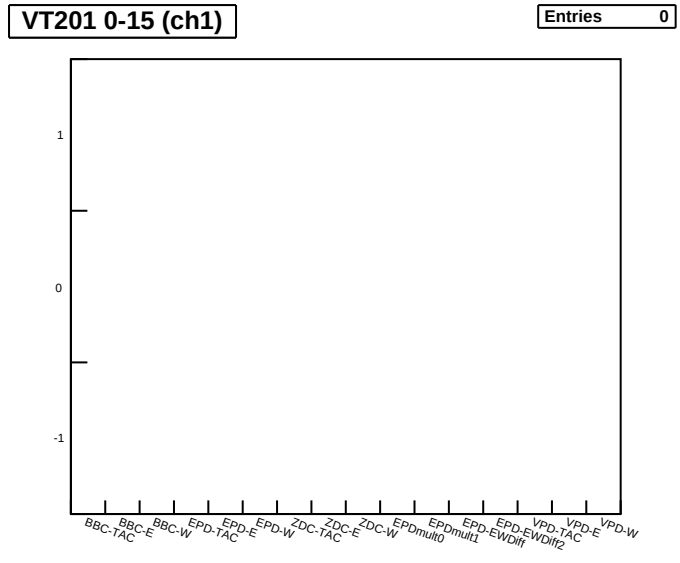

Laser Input Bits
Entries 286178
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

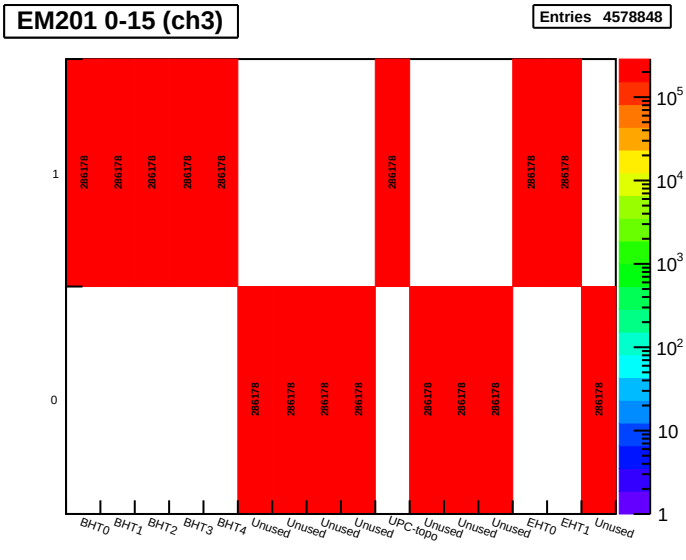

ST201 0-15 (ch6)
Entries 4578848
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
286178
286178
286178
286178
286178
286178
286178
286178
286178
286178
286178
286178
286178
286178
286177
286172
1
6
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

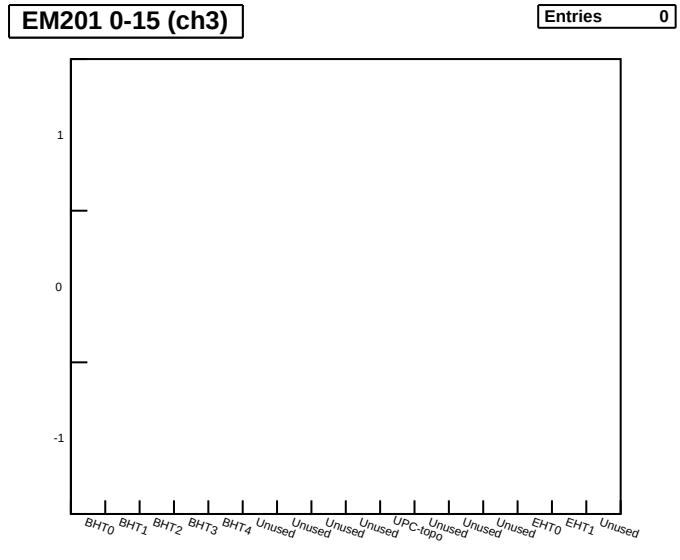

TF201 0-15 (ch0)
Entries 4578848
1
0
286178
282431
260776
246902
197523
239655
240667
237372
286178
286178
286178
286178
286178
286178
3747
25402
36276
98655
46523
45511
48806
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
TOFsector0_3
TOFsector1_4
TOFsector2_5
10^5
10^4
10^3
10^2
10
1


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 4578848
1
0
127912
224347
241980
230407
281473
280892
679
9137
9160
137
261423
276204
164053
204020
222530
158266
61831
44198
55771
4705
5286
285499
277041
277018
286041
286178
24755
9974
122125
82158
63648
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 4578848
1
0
286178
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