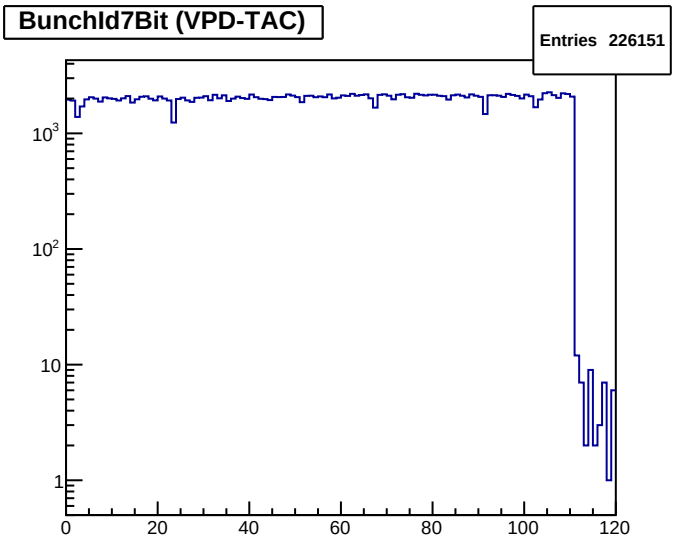
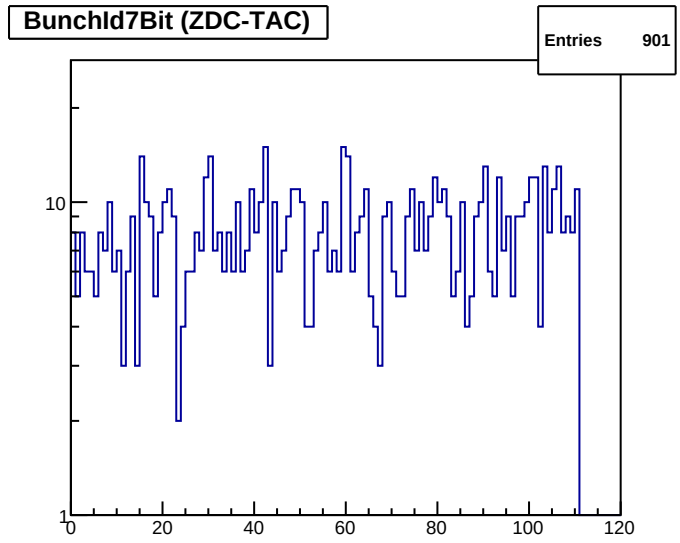
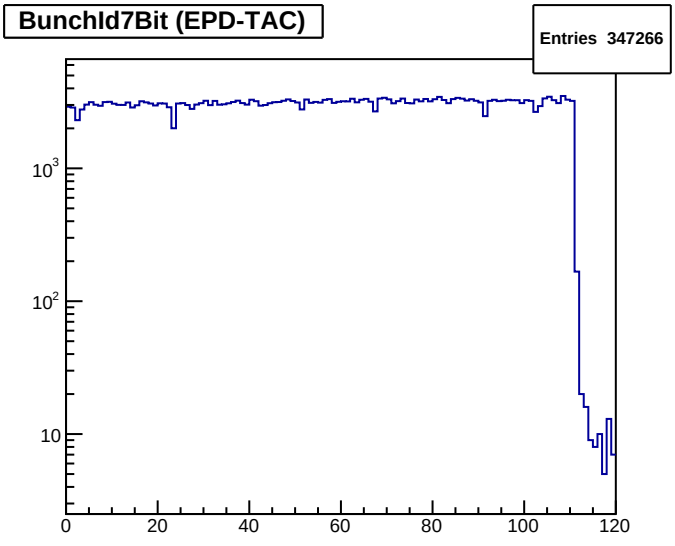
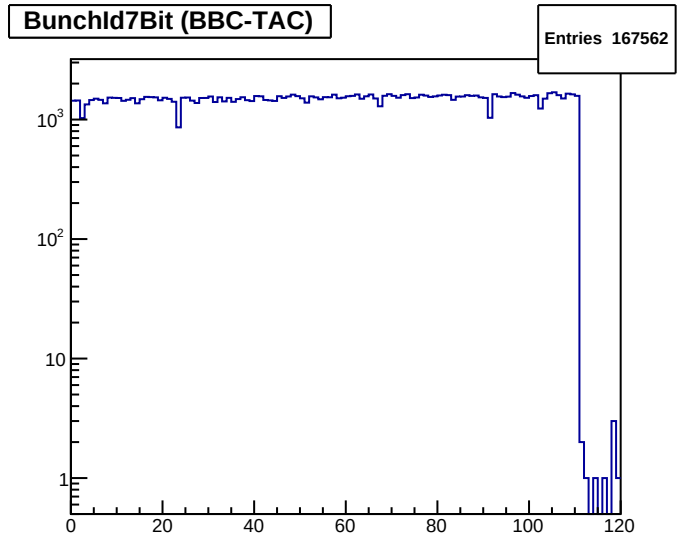
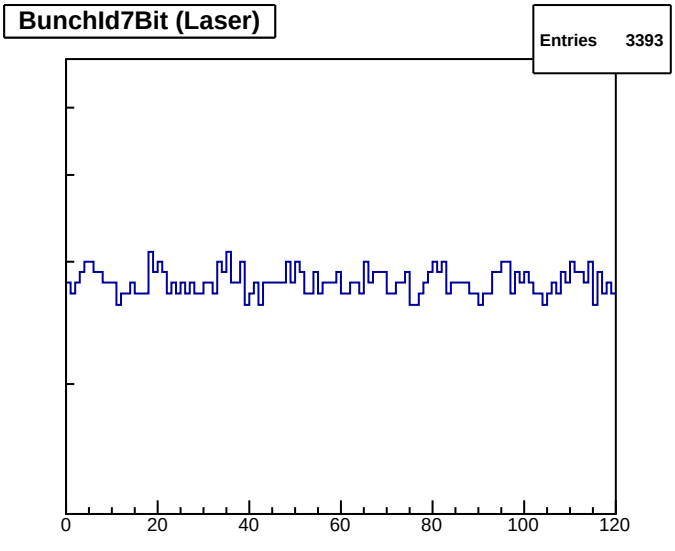
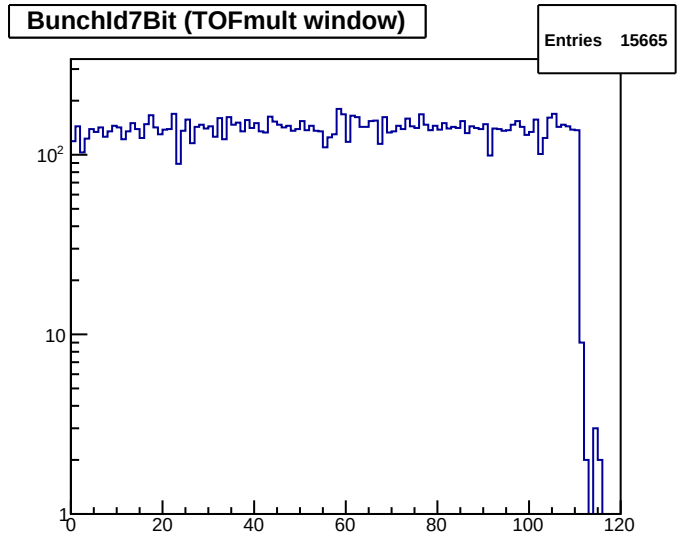

BunchId7Bit (VPD-TAC)
Entries 226151
10^3
10^2
10
1
0
20
40
60
80
100
120

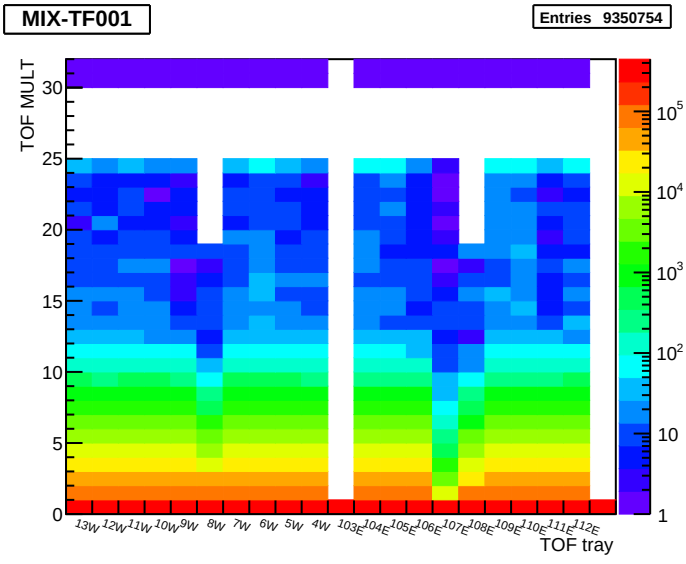

BunchId7Bit (ZDC-TAC)
Entries 901
10
1
0
20
40
60
80
100
120

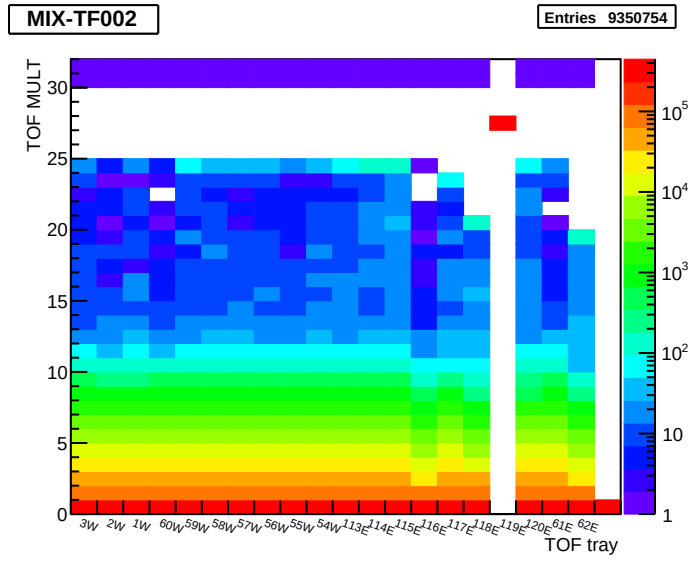

BunchId7Bit (EPD-TAC)
Entries 347266
10^3
10^2
10
0
20
40
60
80
100
120

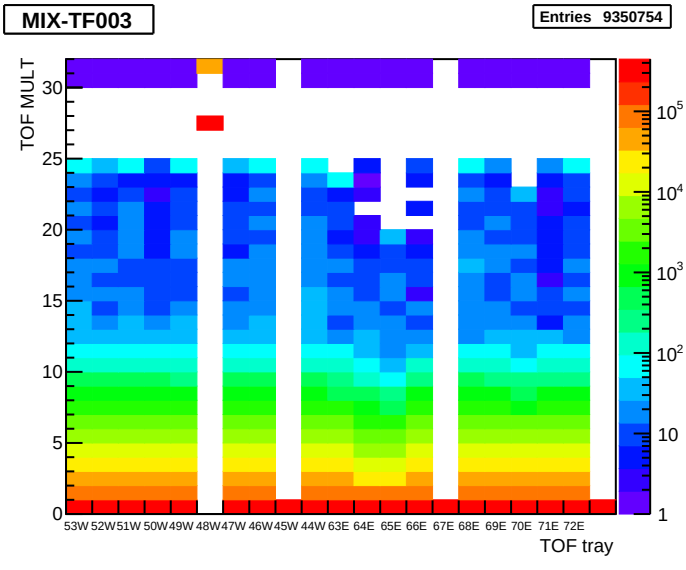

BunchId7Bit (BBC-TAC)
Entries 167562
10^3
10^2
10
1
0
20
40
60
80
100
120

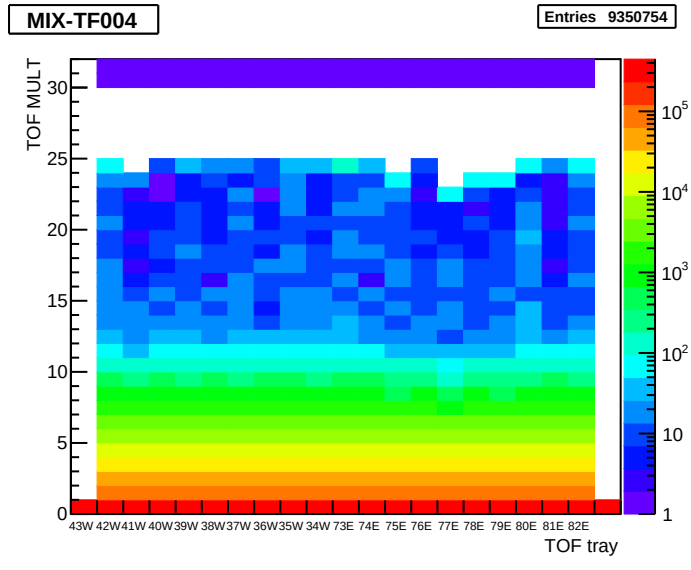

BunchId7Bit (Laser)
Entries 3393
0
20
40
60
80
100
120

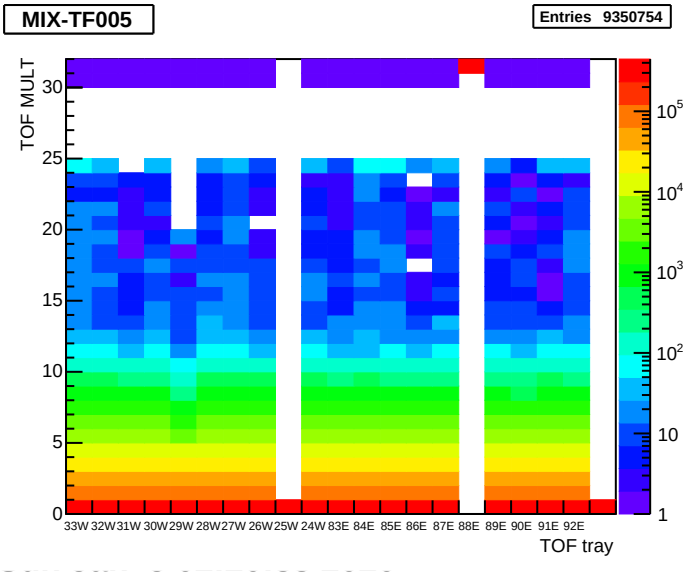

BunchId7Bit (TOFmult window)
Entries 15665
10^2
10
1
0
20
40
60
80
100
120

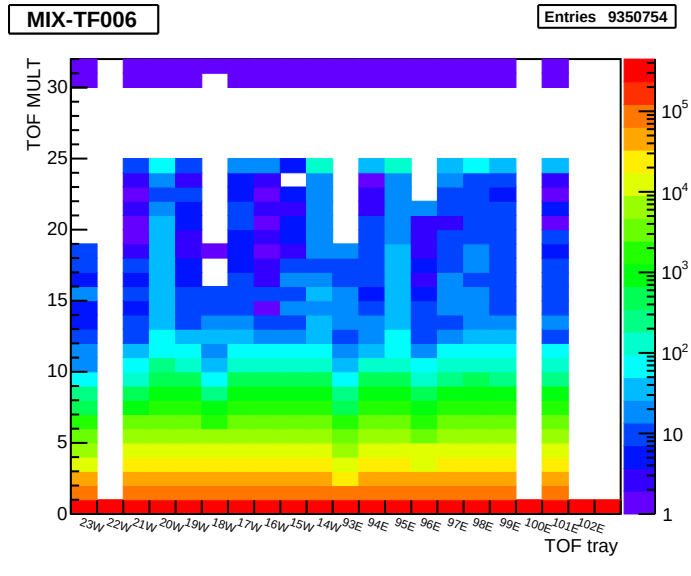

MIX-TF001
Entries 9350754
TOF MULT
TOF tray

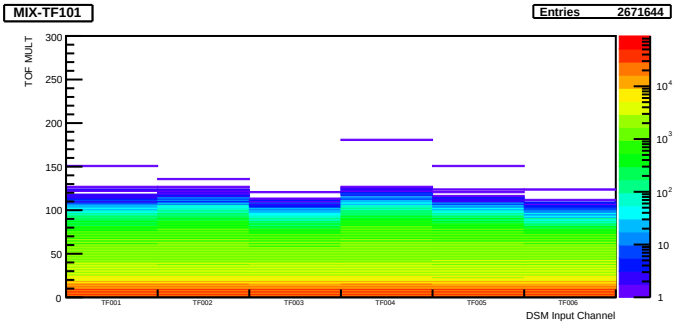

MIX-TF002
Entries 9350754
TOF MULT
TOF tray

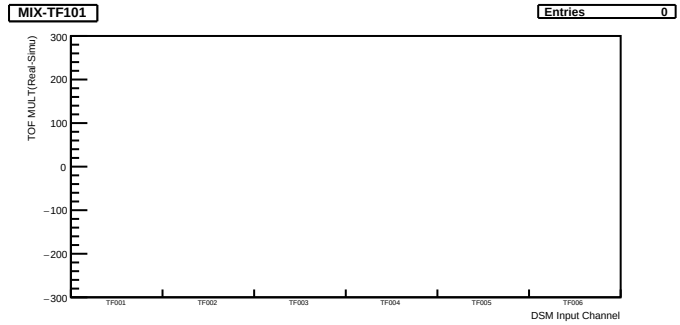

MIX-TF003
Entries 9350754
TOF MULT
TOF tray

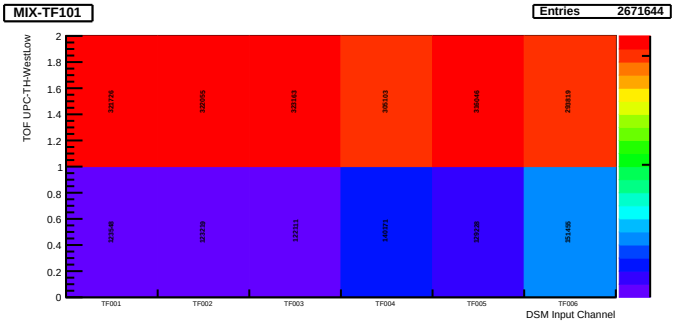

MIX-TF004
Entries 9350754
TOF MULT
TOF tray

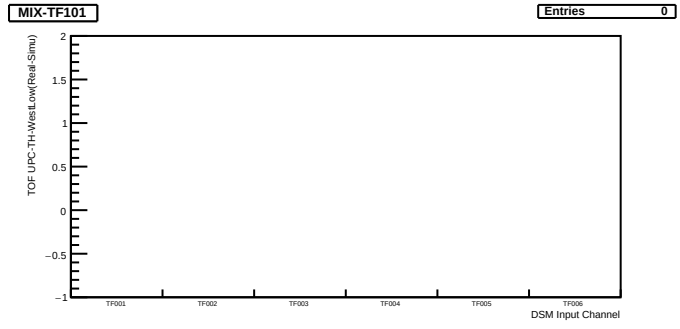

MIX-TF005
Entries 9350754
TOF MULT
TOF tray

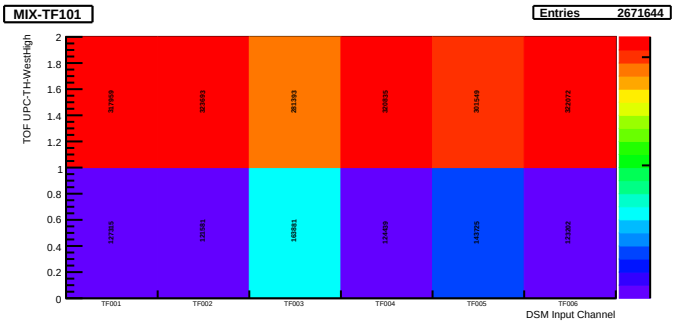

MIX-TF006
Entries 9350754
TOF MULT
TOF tray

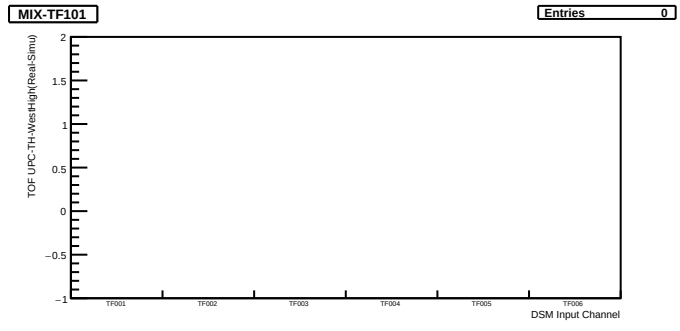

MIX-TF101
Entries 2671644
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

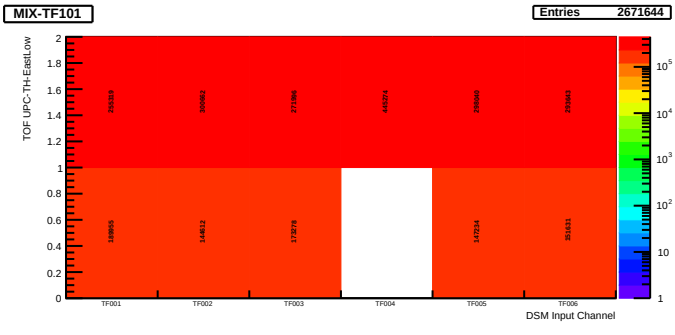

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

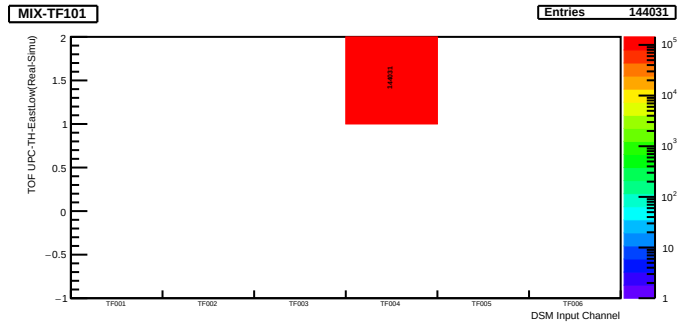

MIX-TF101
Entries 2671644
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

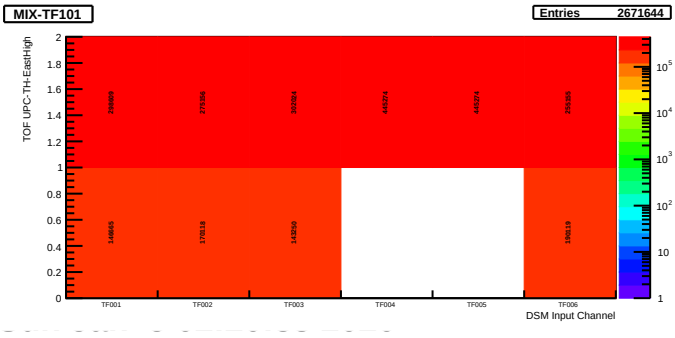

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

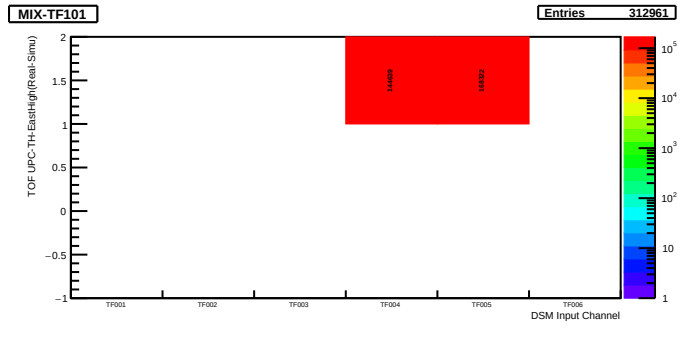

MIX-TF101
Entries 2671644
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

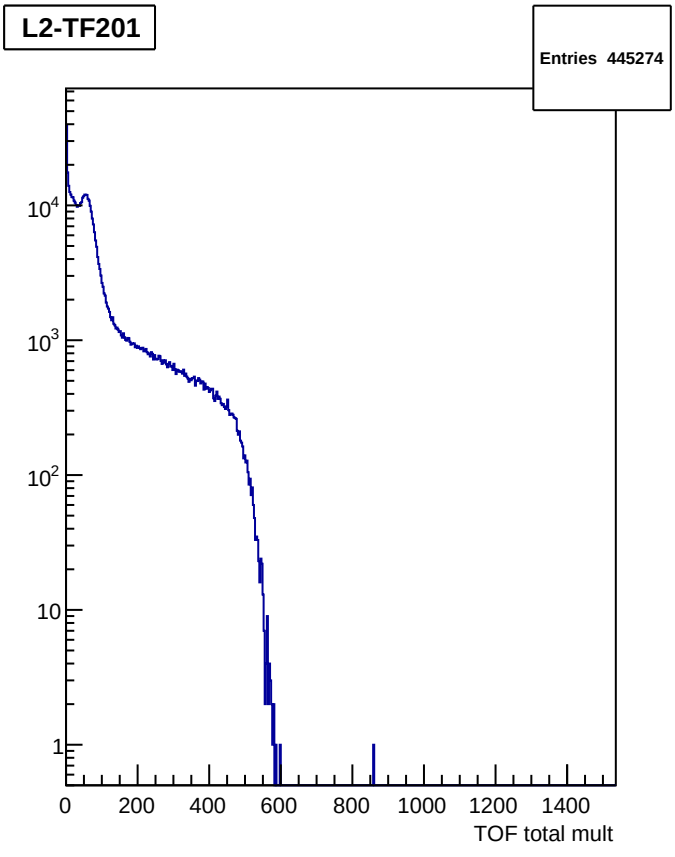

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

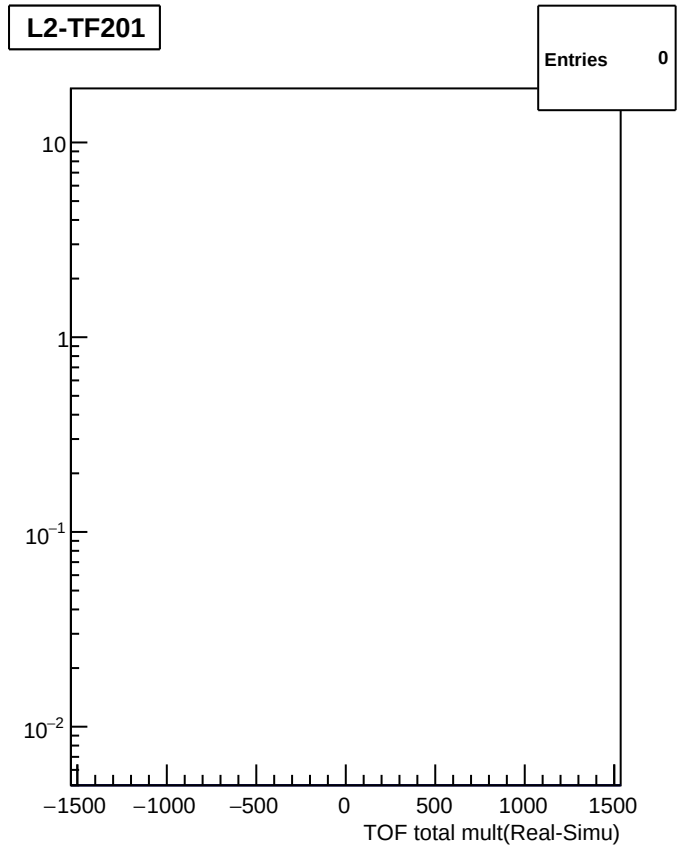

MIX-TF101
Entries 2671644
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

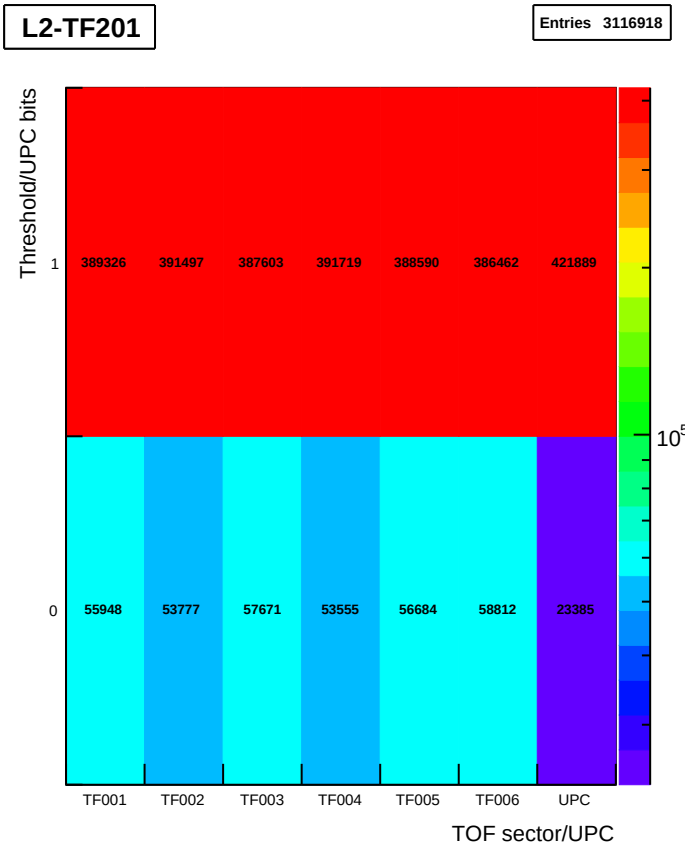

MIX-TF101
Entries 144031
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

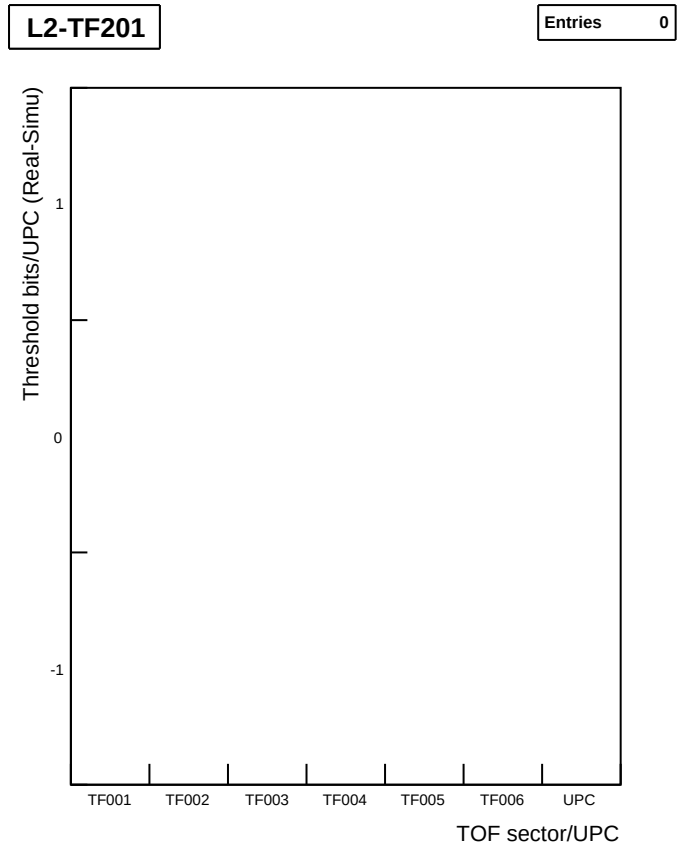

MIX-TF101
Entries 2671644
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

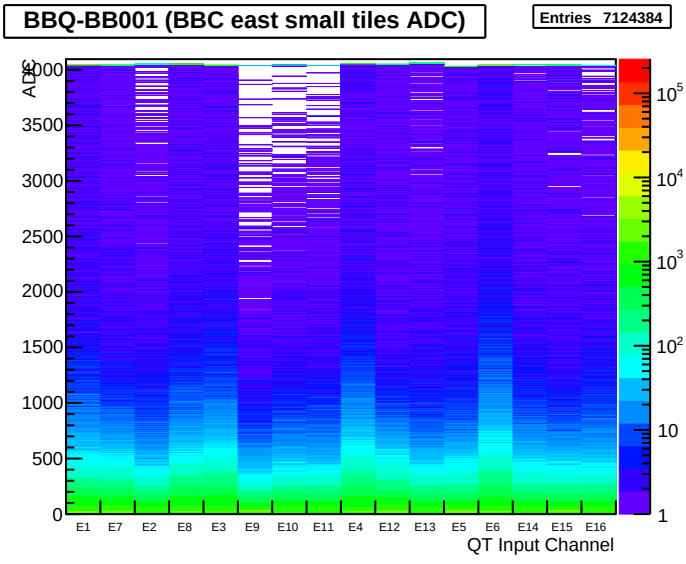

MIX-TF101
Entries 312961
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

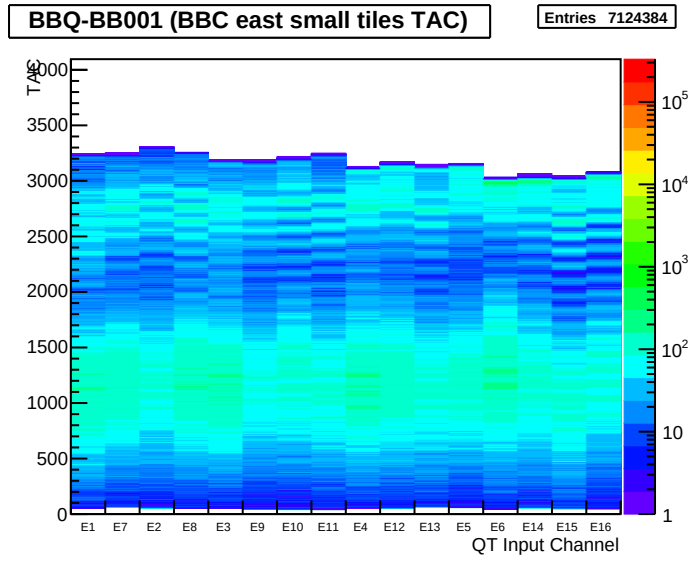

L2-TF201
Entries 445274
TOF total mult

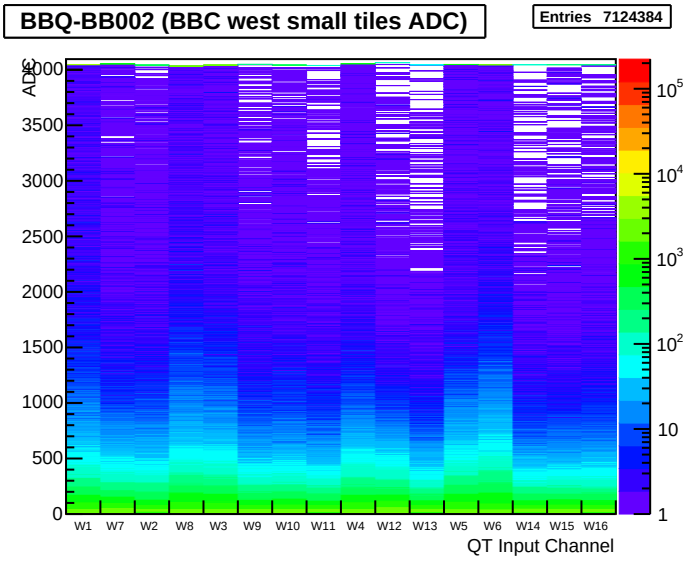

L2-TF201
Entries 0
TOF total mult(Real-Simu)

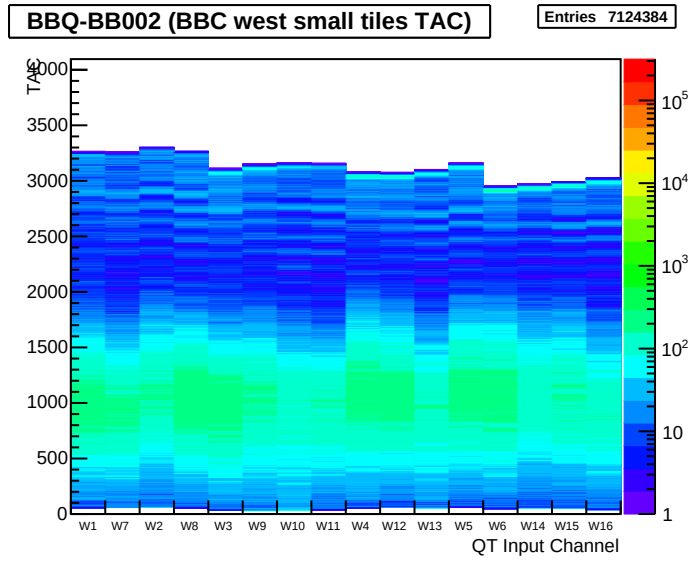

L2-TF201
Entries 3116918
Threshold/UPC bits
389326
391497
387603
391719
388590
386462
421889
55948
53777
57671
53555
56684
58812
23385
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

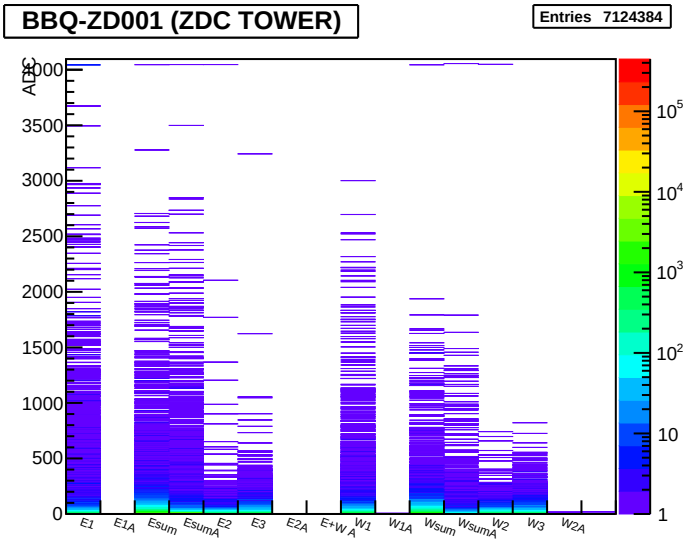

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

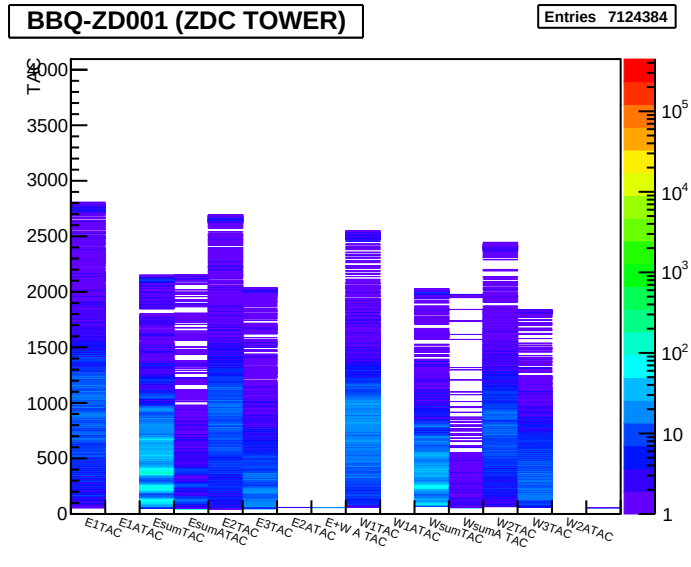

BBQ-BB001 (BBC east small tiles ADC)
Entries 7124384
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

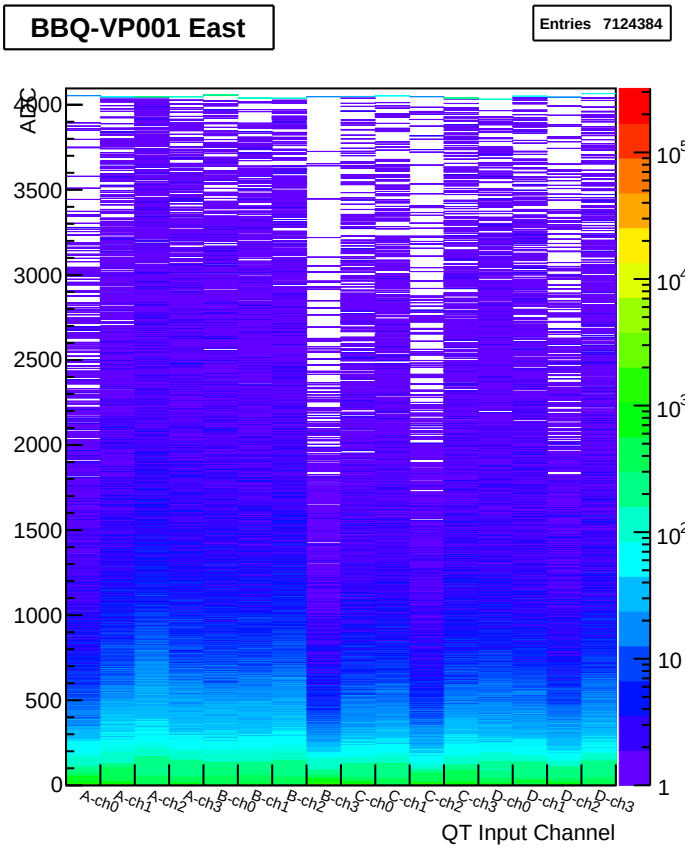

BBQ-BB001 (BBC east small tiles TAC)
Entries 7124384
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

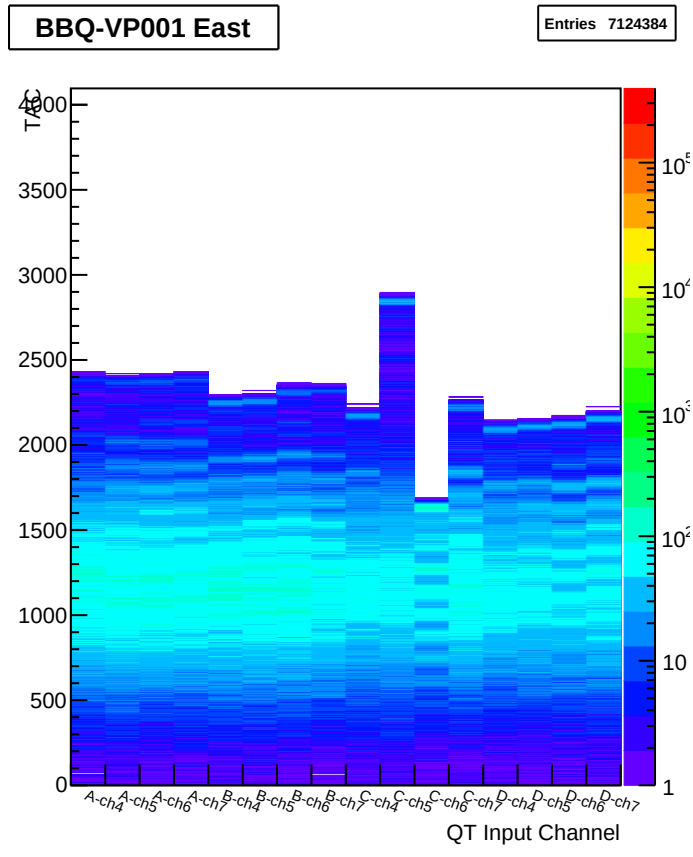

BBQ-BB002 (BBC west small tiles ADC)
Entries 7124384
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

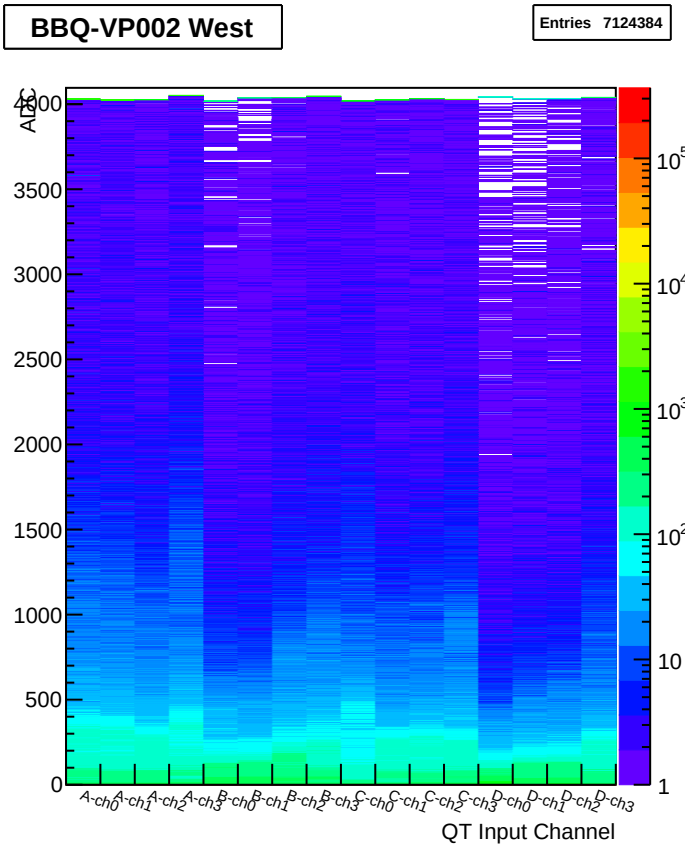

BBQ-BB002 (BBC west small tiles TAC)
Entries 7124384
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

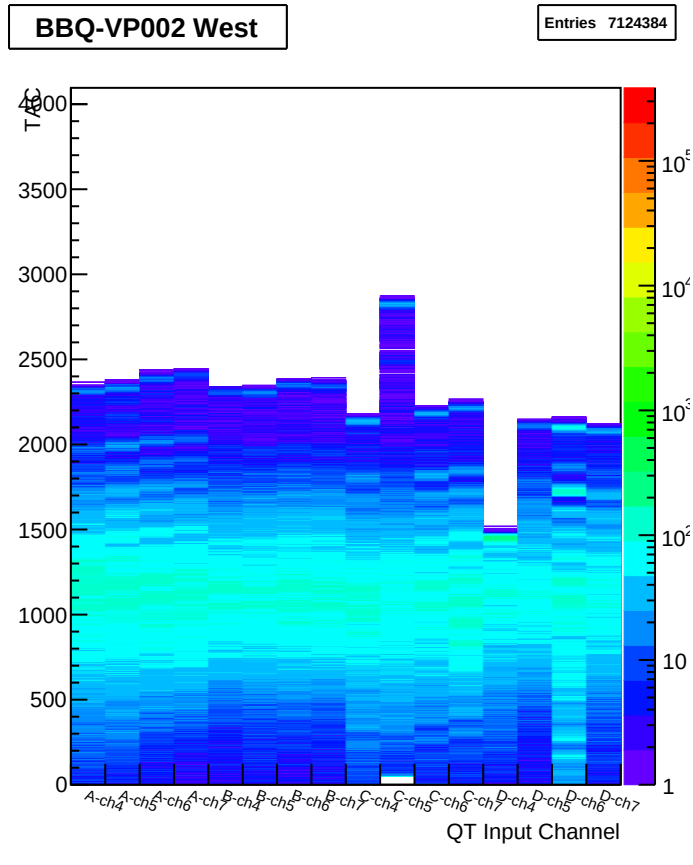

BBQ-ZD001 (ZDC TOWER)
Entries 7124384
ADC
E1 E1A Esum EsumA E2 E3 E2A E+W A W1 W1A Wsum WsumA W2 W3 W2A

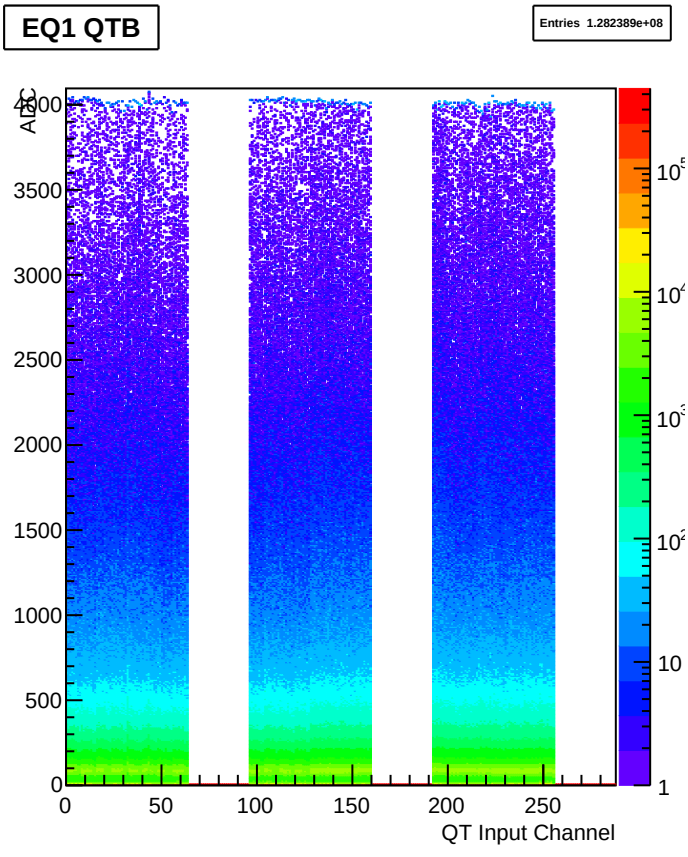

BBQ-ZD001 (ZDC TOWER)
Entries 7124384
TAC
E1TAC E1ATAC EsumTAC EsumATAC E2TAC E3TAC E2ATAC E+W A TAC W1TAC W1ATAC WsumTAC WsumA TAC W2TAC W3TAC W2ATAC

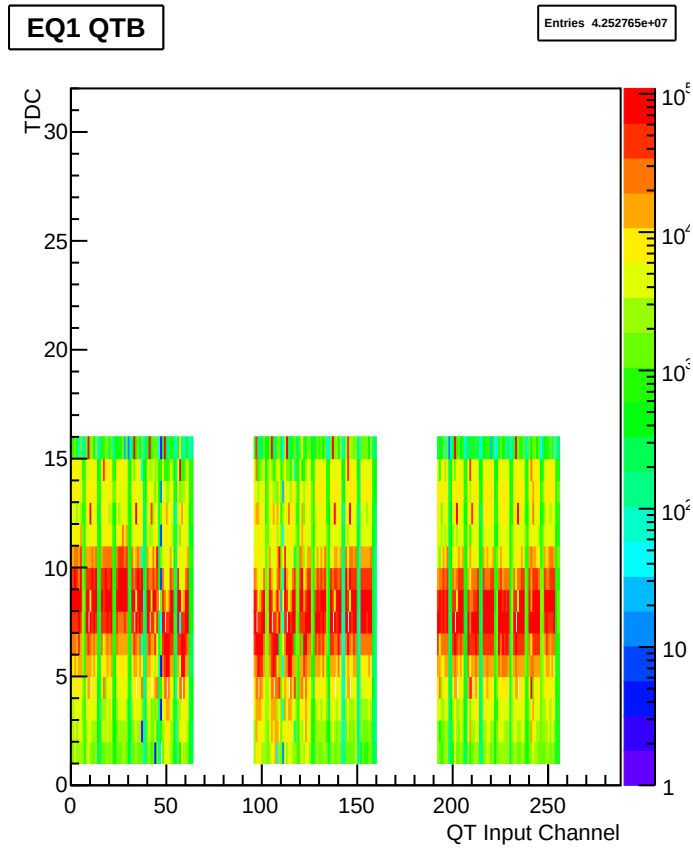

BBQ-VP001 East
Entries 7124384
ADC
QT Input Channel

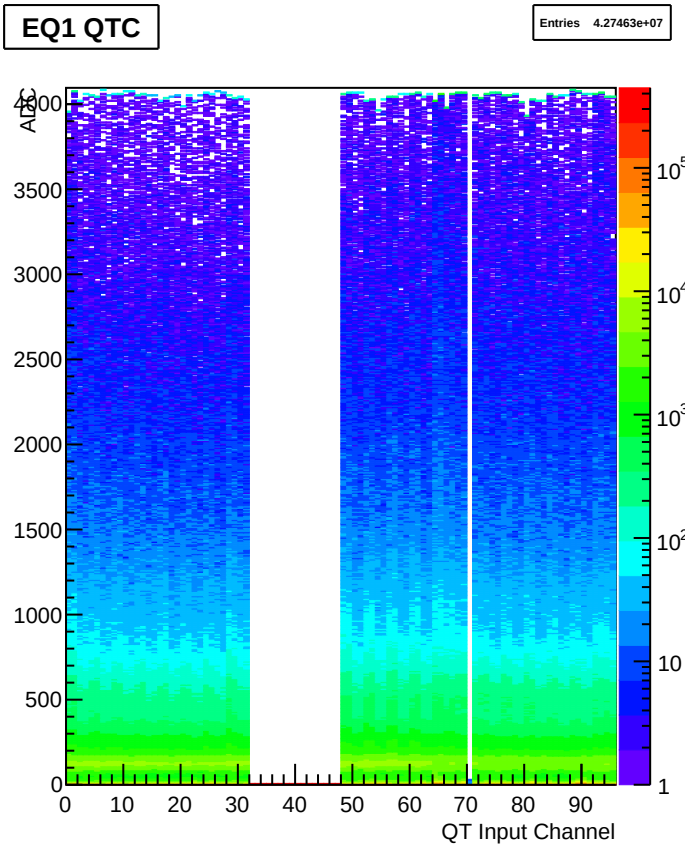

BBQ-VP001 East
Entries 7124384
ADC
QT Input Channel

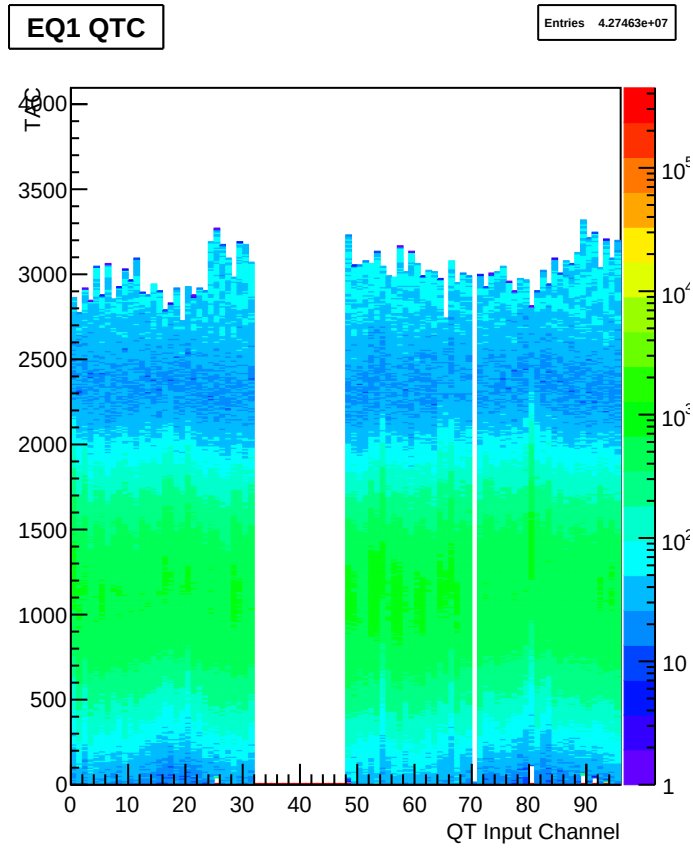

BBQ-VP002 West
Entries 7124384
ADC
QT Input Channel

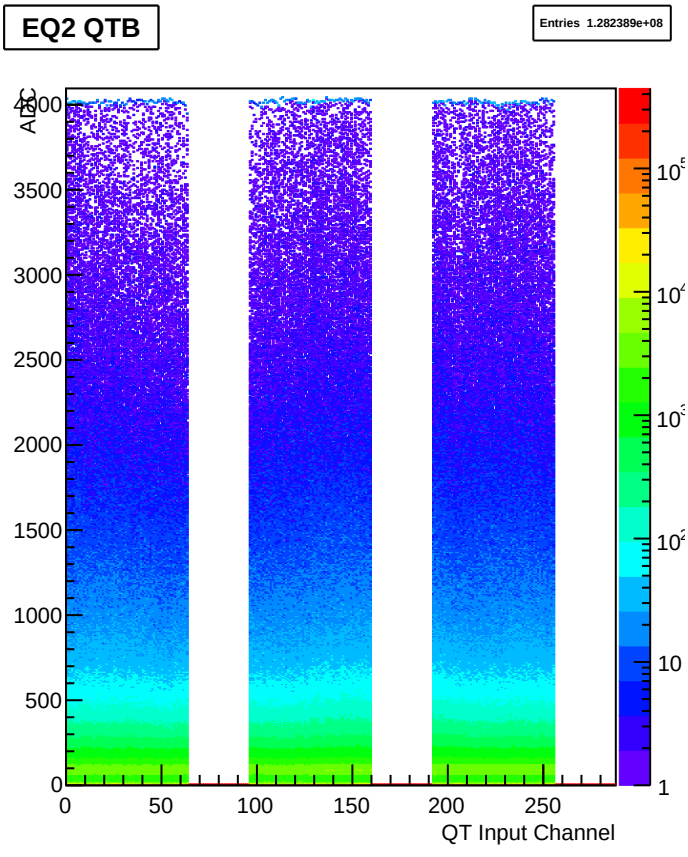

BBQ-VP002 West
Entries 7124384
ADC
QT Input Channel

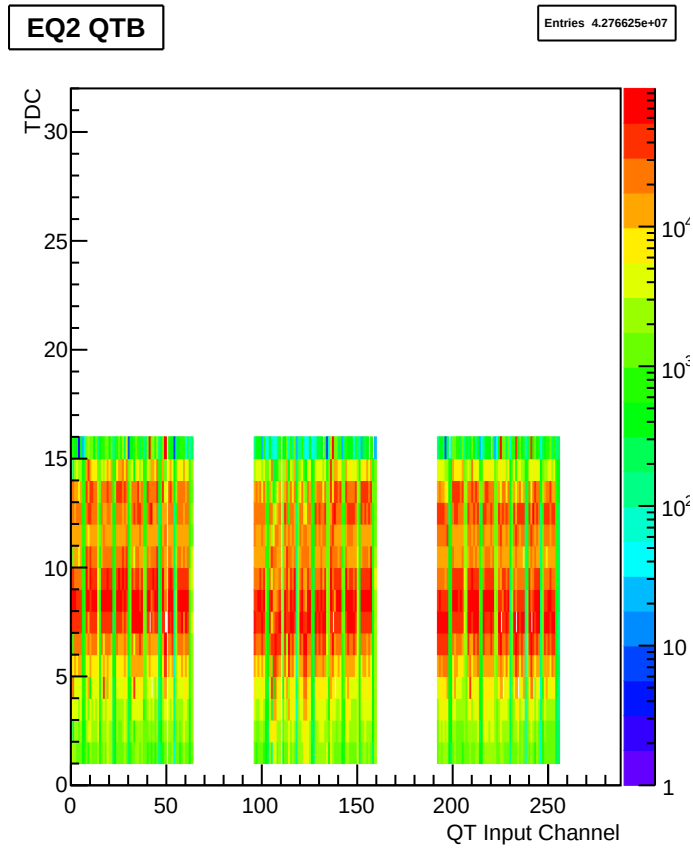

EQ1 QTB
Entries 1.282389e+08
ADC
QT Input Channel

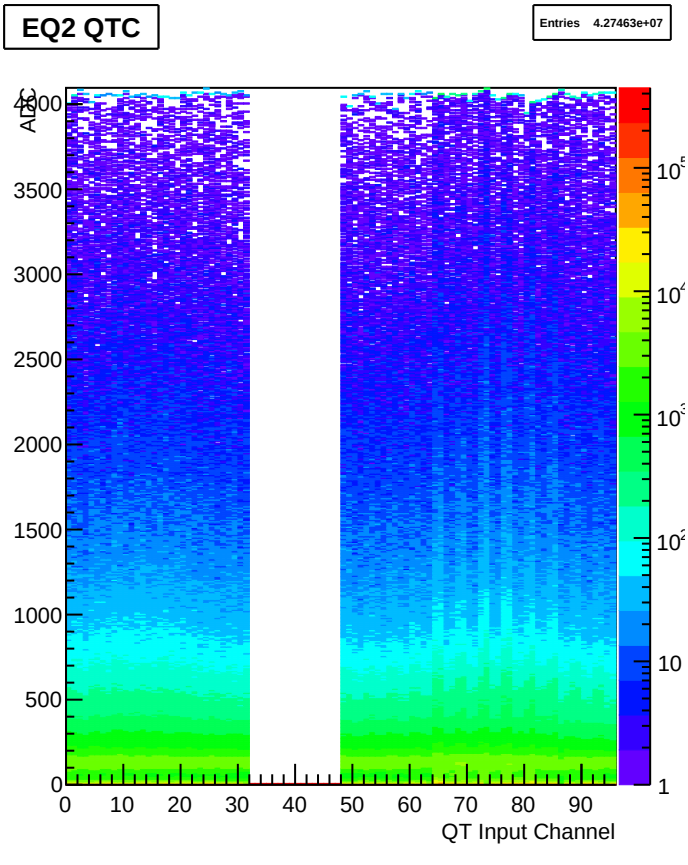

EQ1 QTB
Entries 4.252765e+07
TDC
QT Input Channel

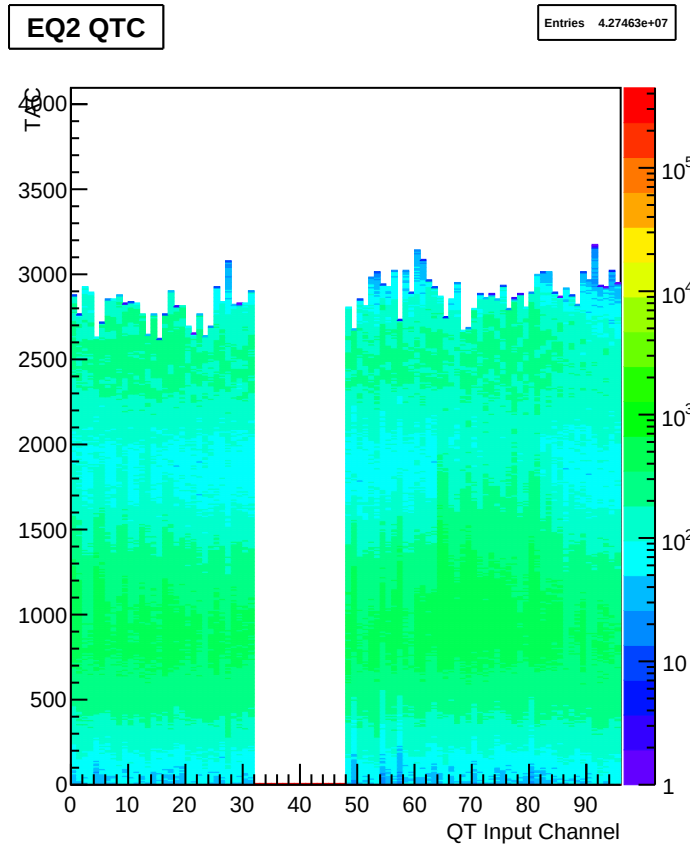

EQ1 QTC
Entries 4.27463e+07
ADC
QT Input Channel

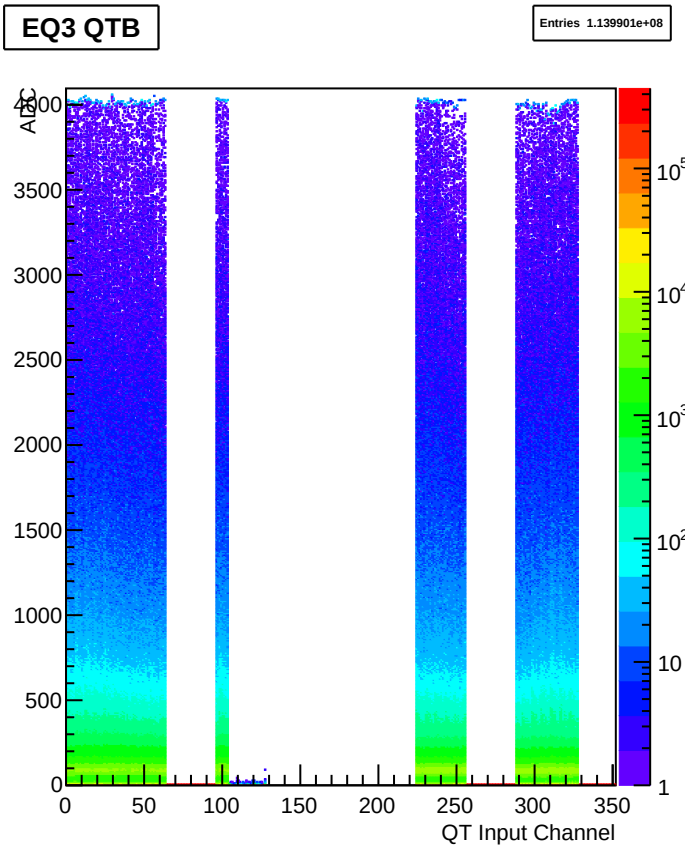

EQ1 QTC
Entries 4.27463e+07
TADC
QT Input Channel

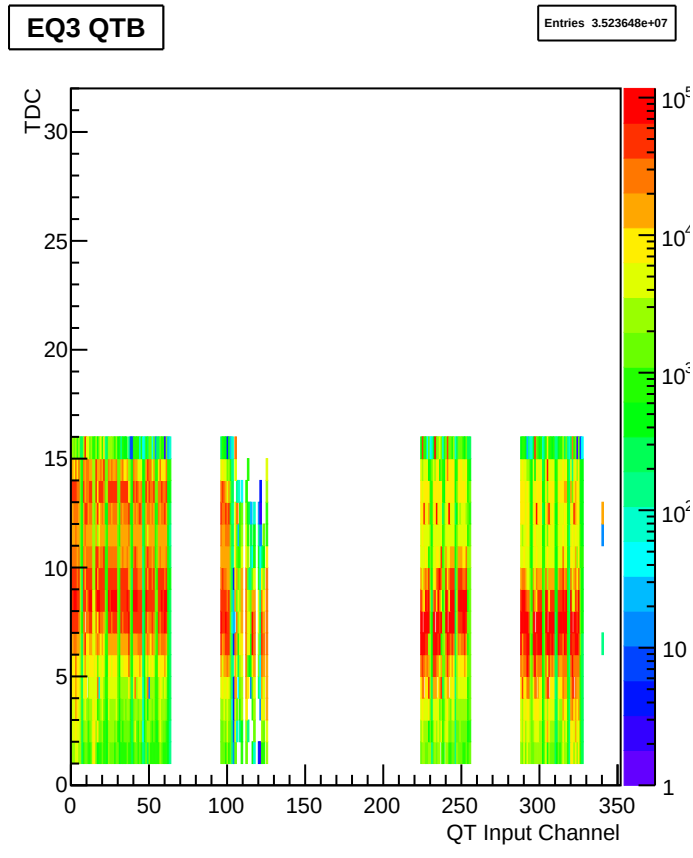

EQ2 QTB
Entries 1.282389e+08
ADC
QT Input Channel

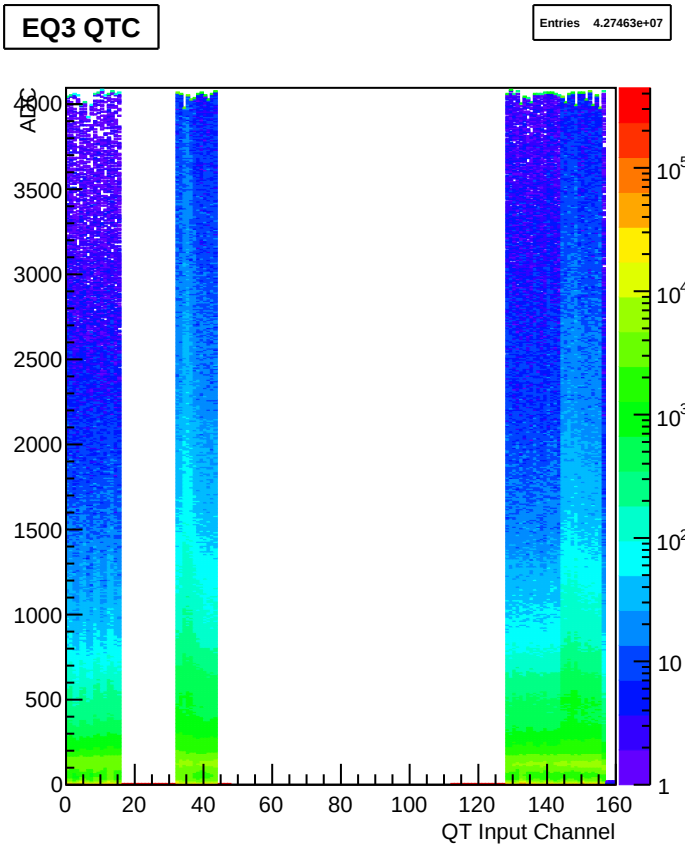

EQ2 QTB
Entries 4.276625e+07
TDC
QT Input Channel

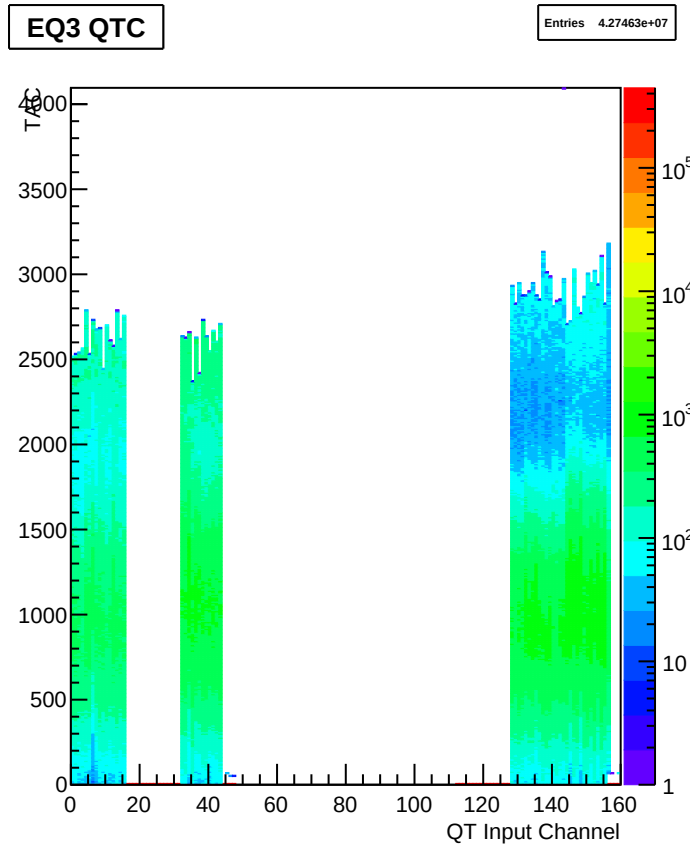

EQ2 QTC
Entries 4.27463e+07
ADC
QT Input Channel

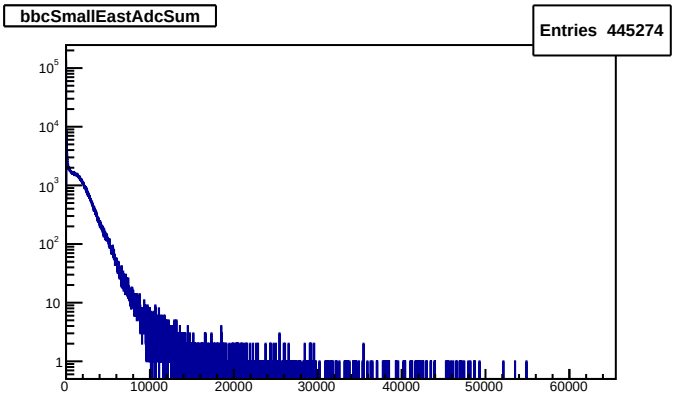

EQ2 QTC
Entries 4.27463e+07
TADC
QT Input Channel

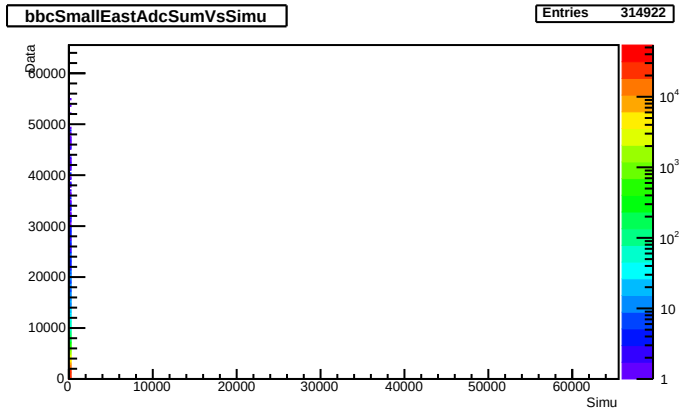

EQ3 QTB
Entries 1.139901e+08
ADC
QT Input Channel

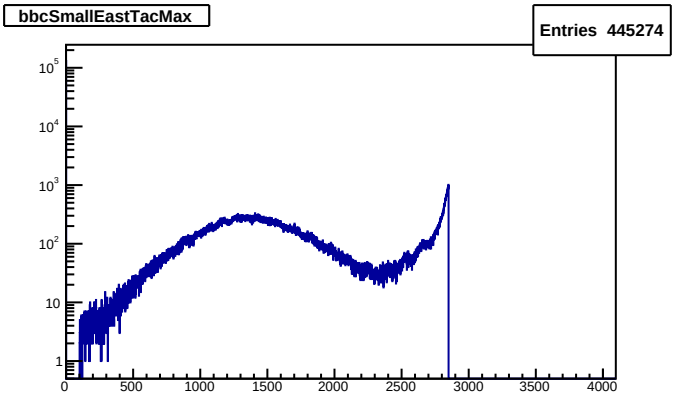

EQ3 QTB
Entries 3.523648e+07
TDC
QT Input Channel

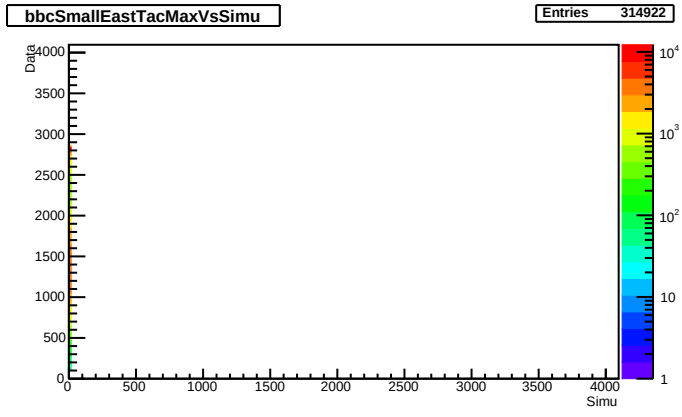

EQ3 QTC
Entries 4.27463e+07
ADC
QT Input Channel

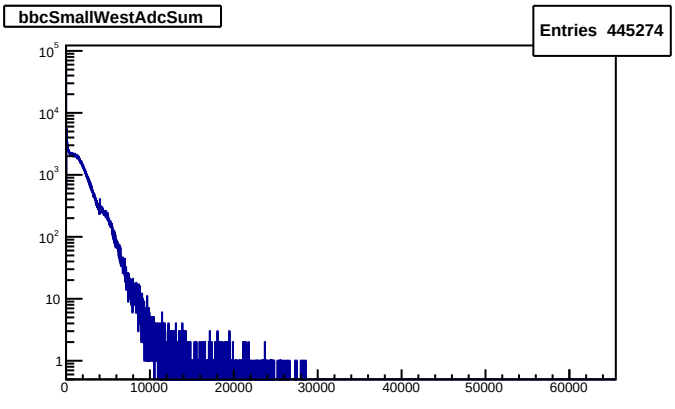

EQ3 QTC
Entries 4.27463e+07
TADC
QT Input Channel

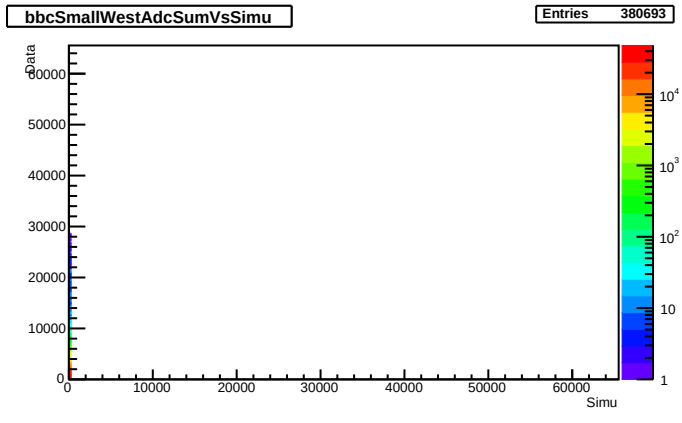

bbcSmallEastAdcSum
Entries 445274


bbcSmallEastAdcSumVsSimu
Entries 314922
Data
Simu


bbcSmallEastTacMax
Entries 445274


bbcSmallEastTacMaxVsSimu
Entries 314922
Data
Simu


bbcSmallWestAdcSum
Entries 445274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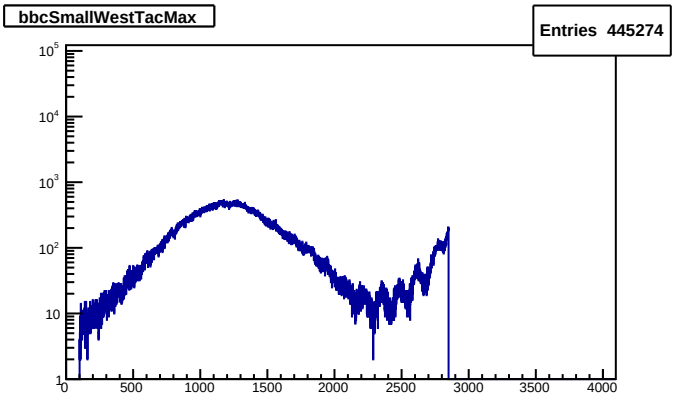
Entries 380693
Data
Simu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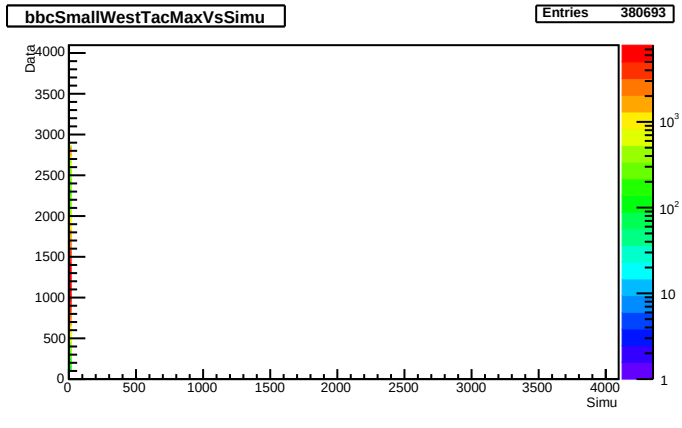
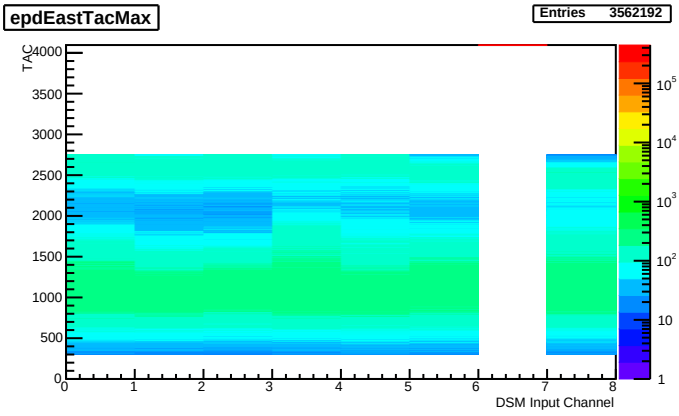
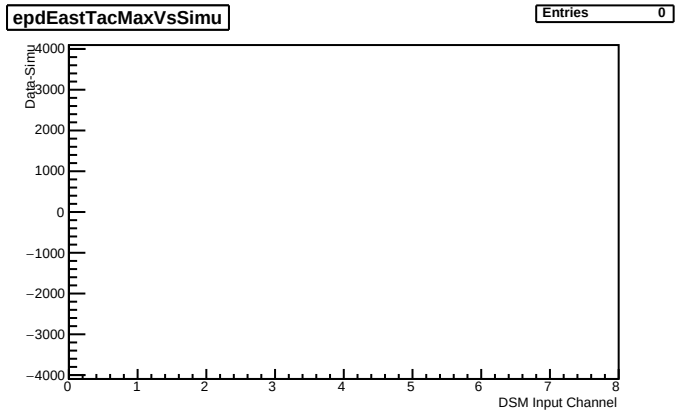
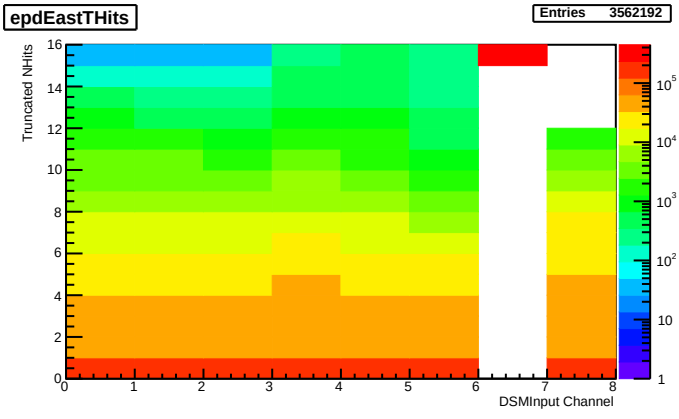
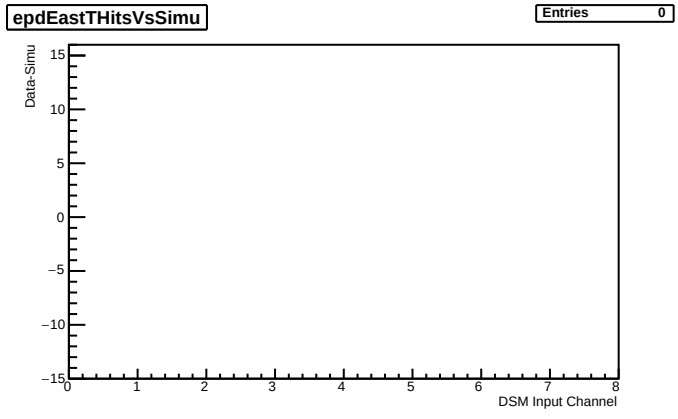
Entries 445274


bbcSmallWestTacMaxVsSimu
Entries 380693
Data
Simu


epdEastTacMax
Entries 3562192
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3562192
Truncated NHits
DSMInput Channel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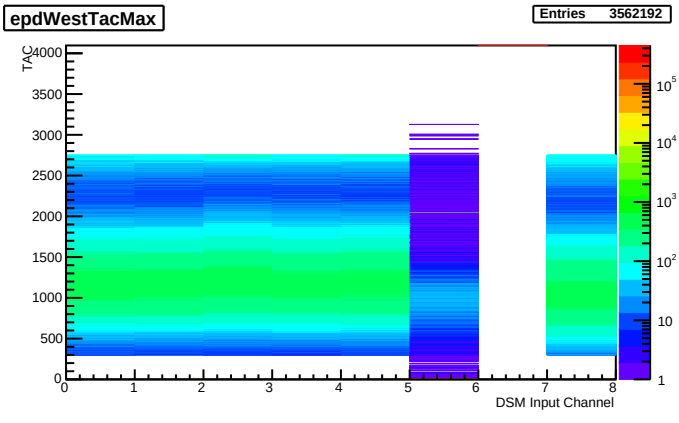
Data-Simu
DSM Input Channel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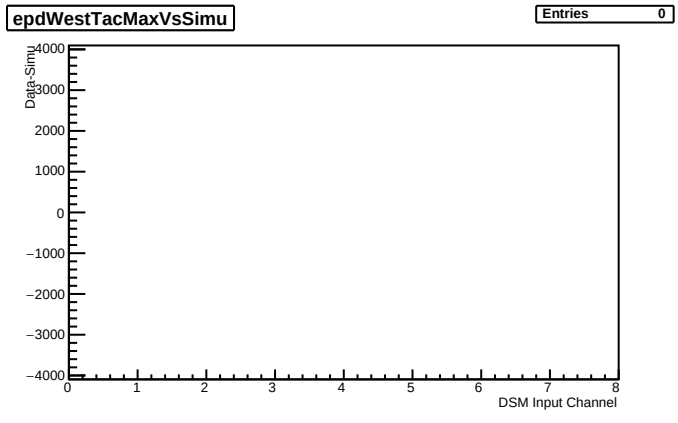
TAC
DSM Input Channel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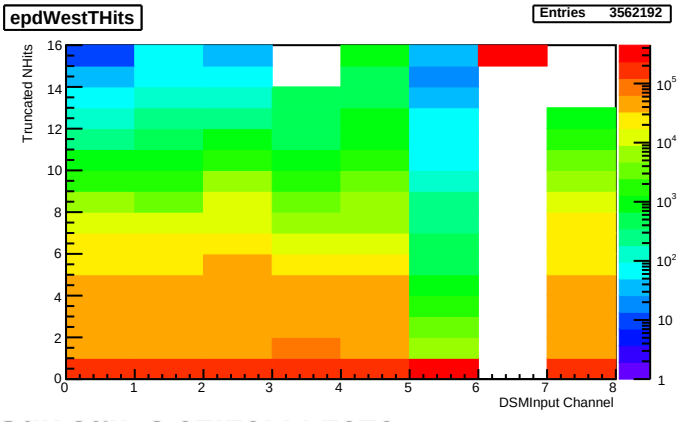
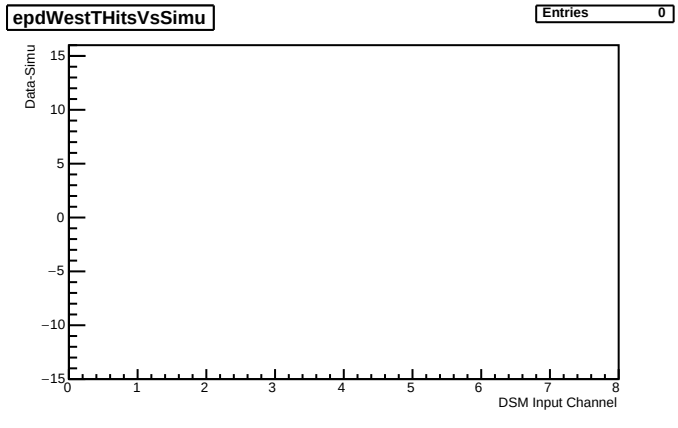
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3562192
Truncated NHits
DSMInput Channel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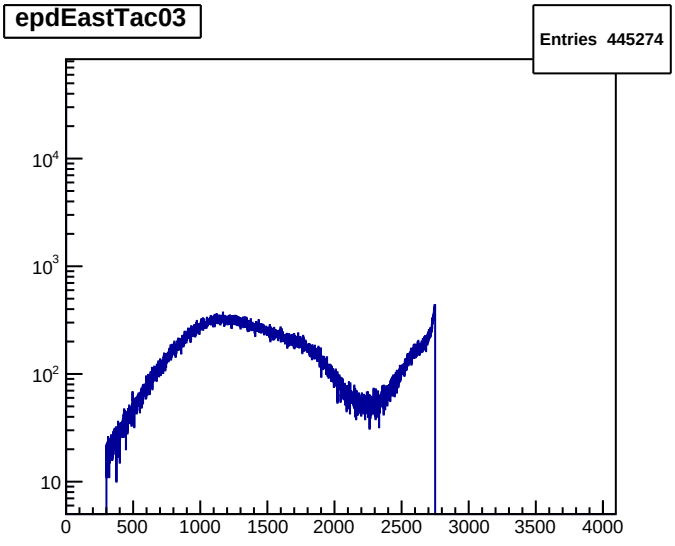
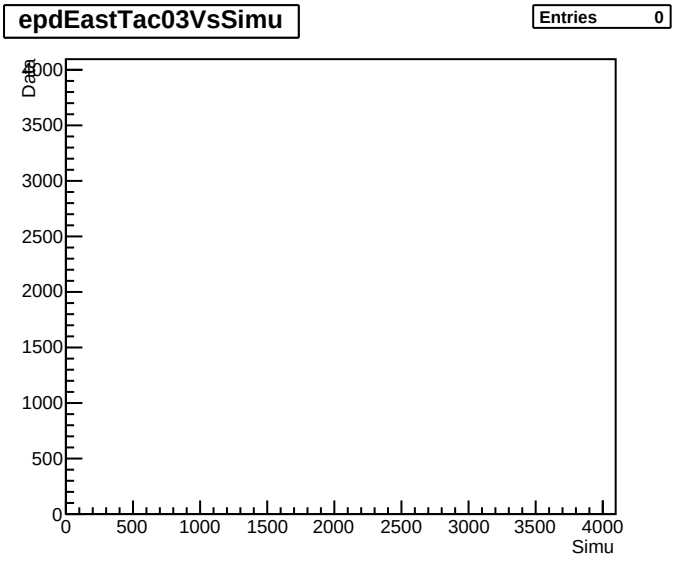
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 445274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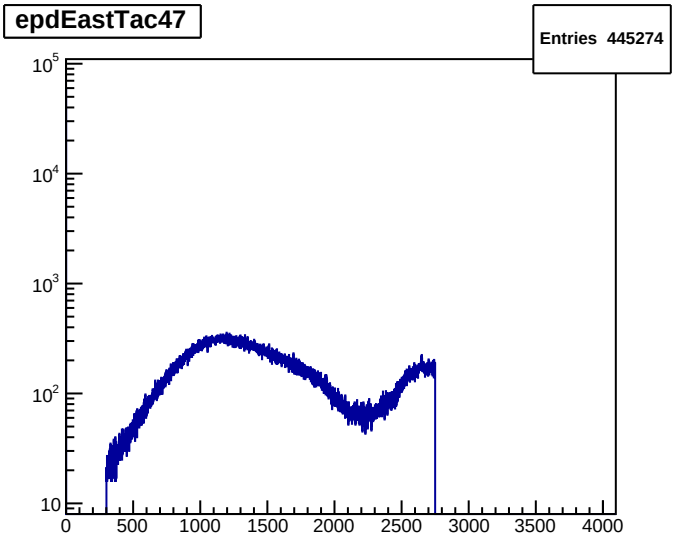
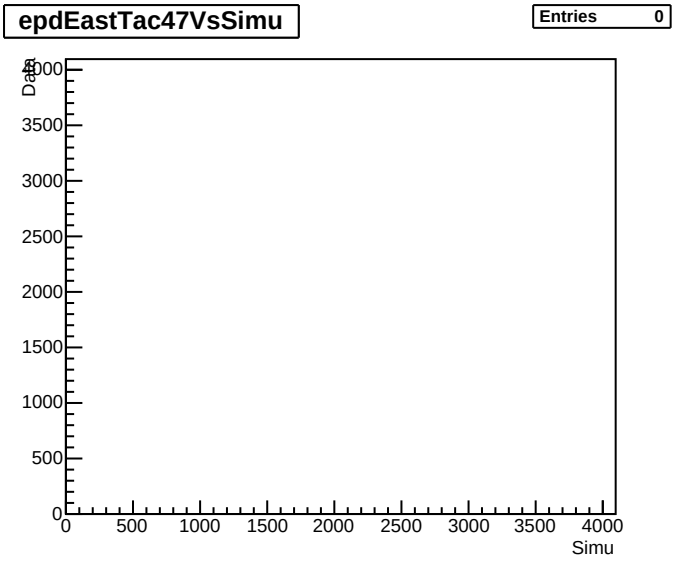
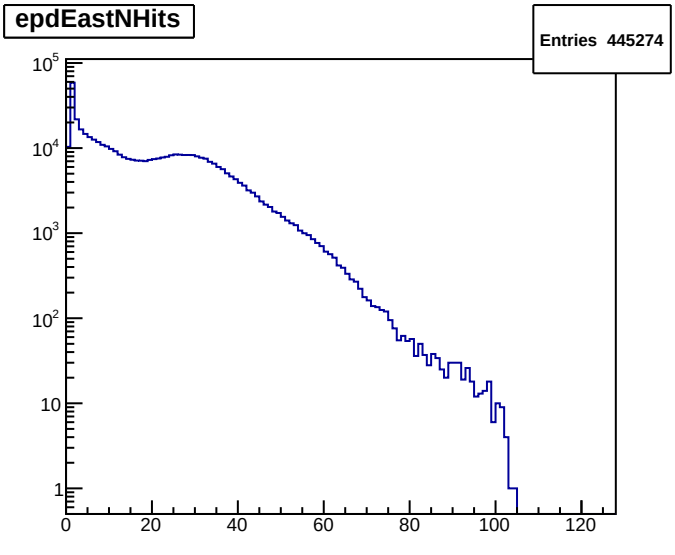
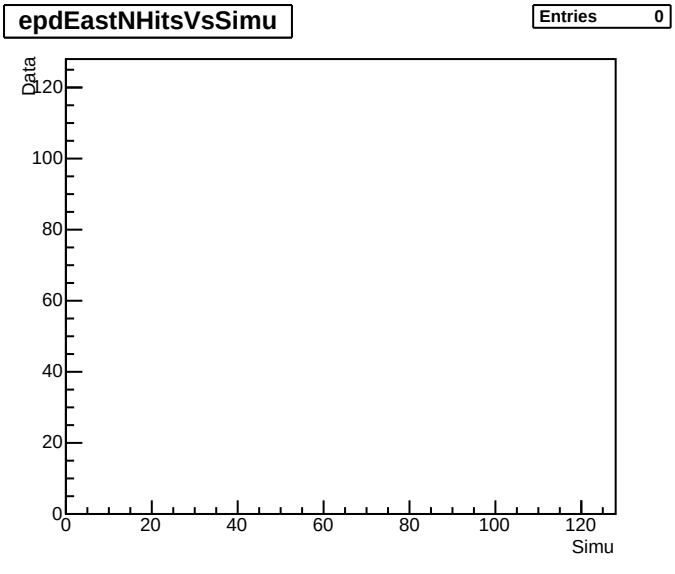
Entries 0
Data
Simu


epdEastTac47
Entries 445274


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 445274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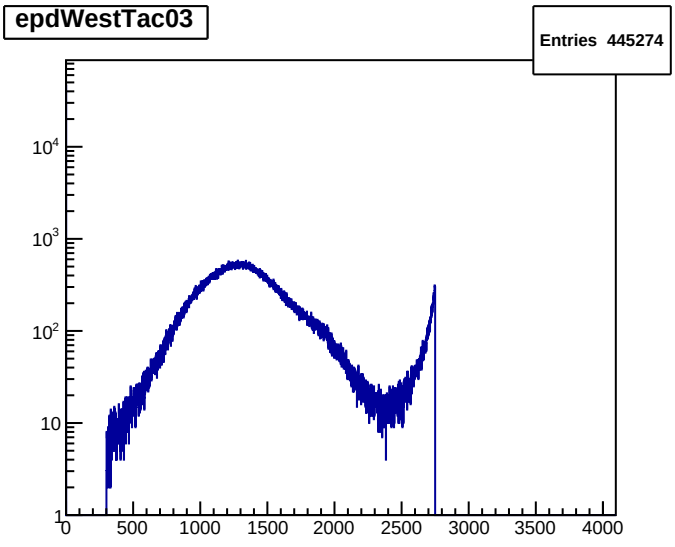
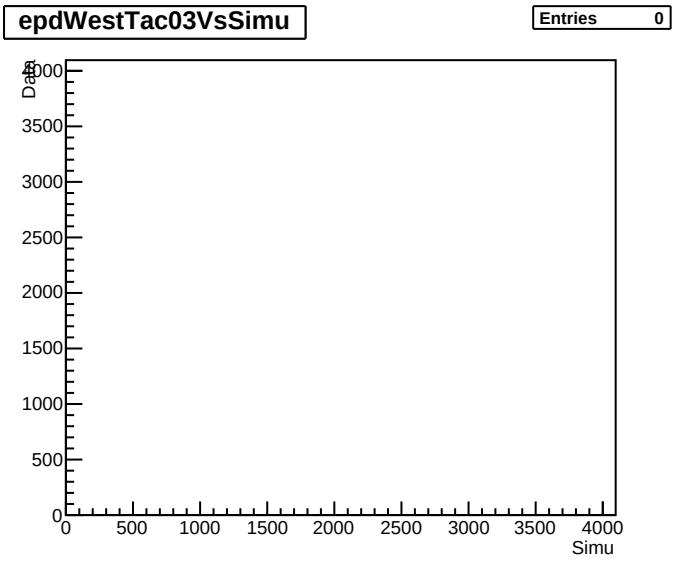
Entries 0
Data
Simu


epdWestTac03
Entries 445274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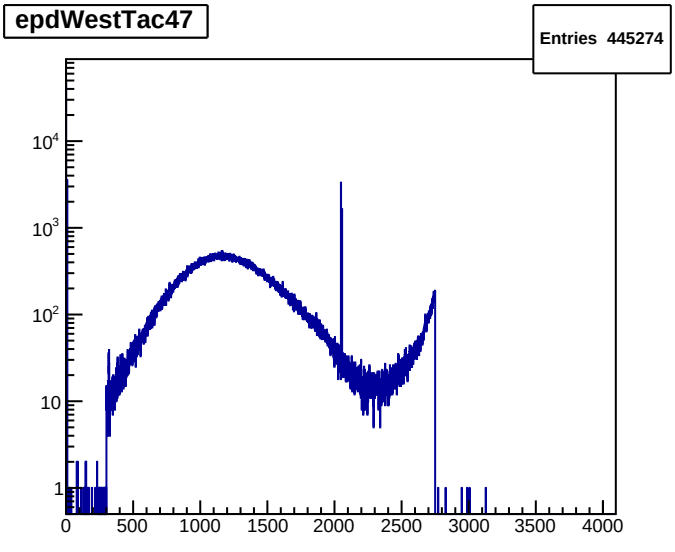
Entries 0
Data
Simu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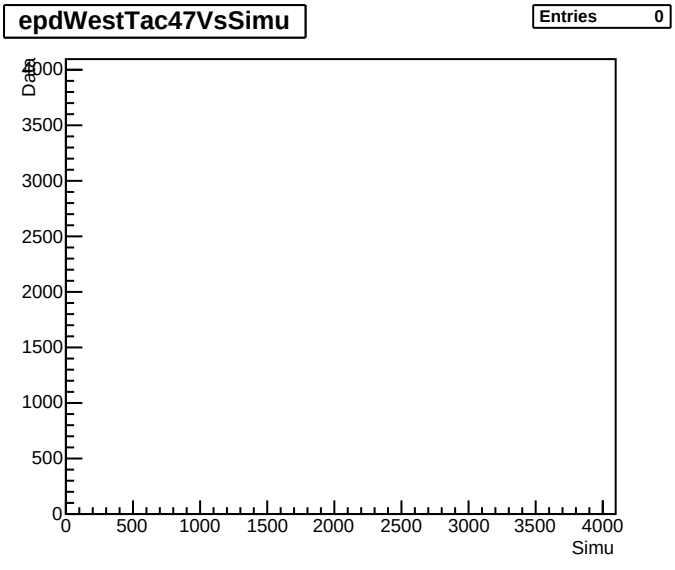
Entries 445274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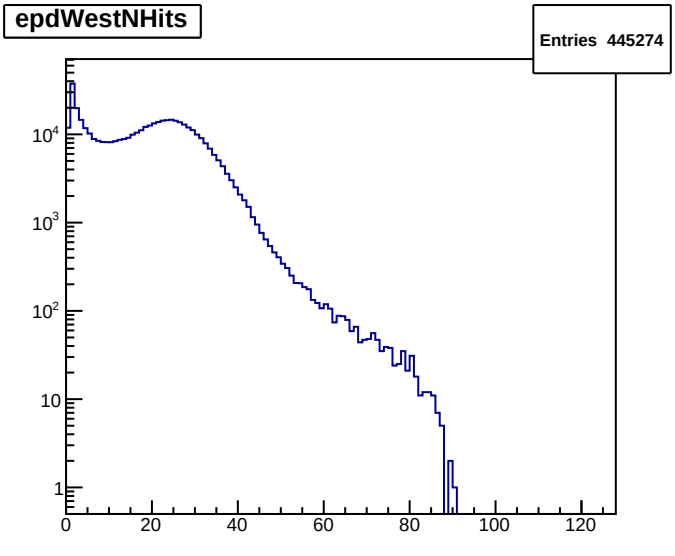
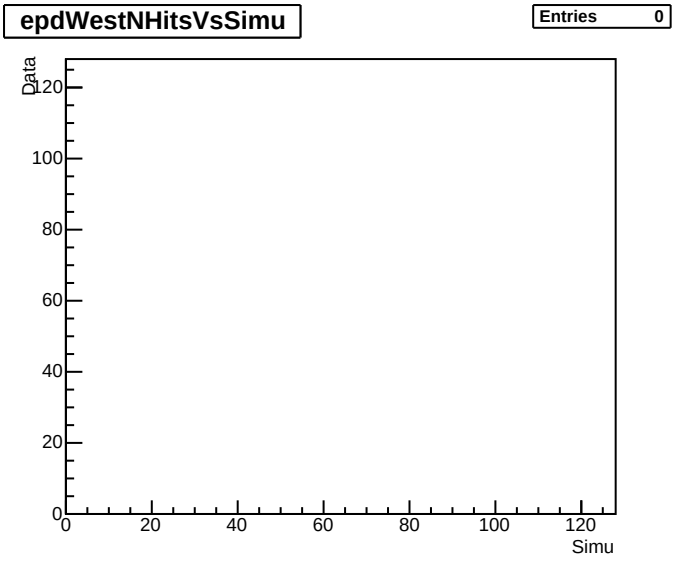
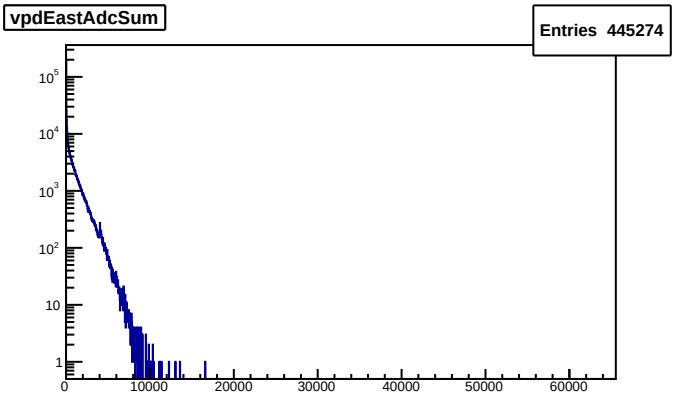
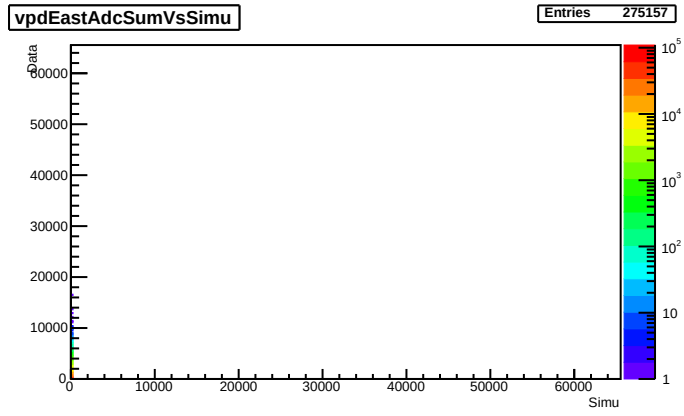
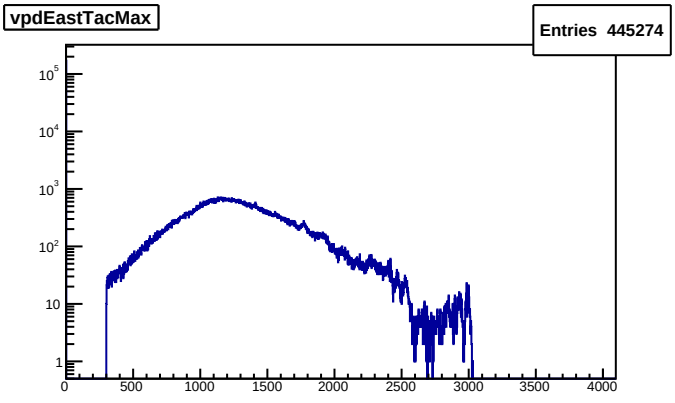
Entries 0
Data
Simu

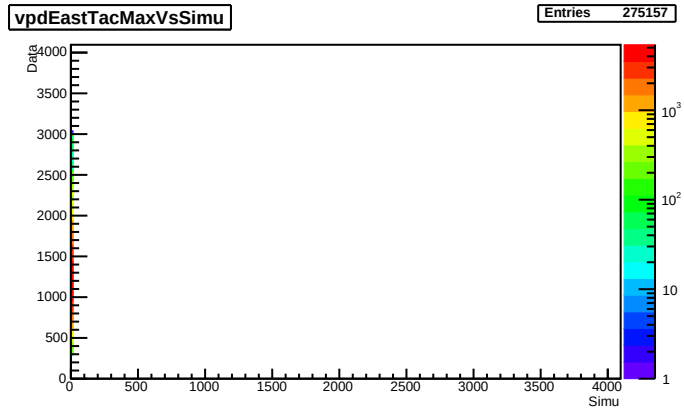

epdWestNHits
Entries 445274

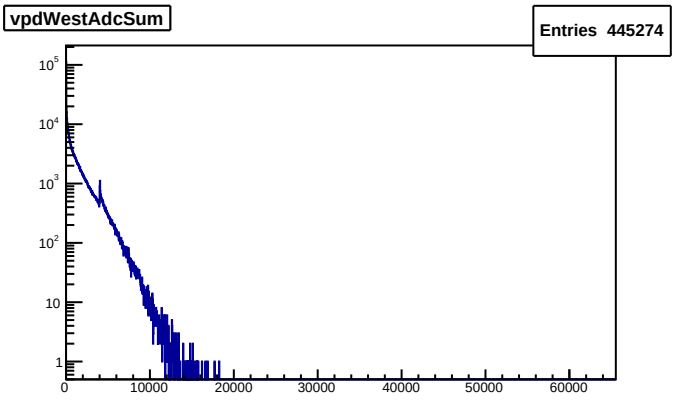

epdWestNHitsVsSimu
Entries 0
Data
Simu

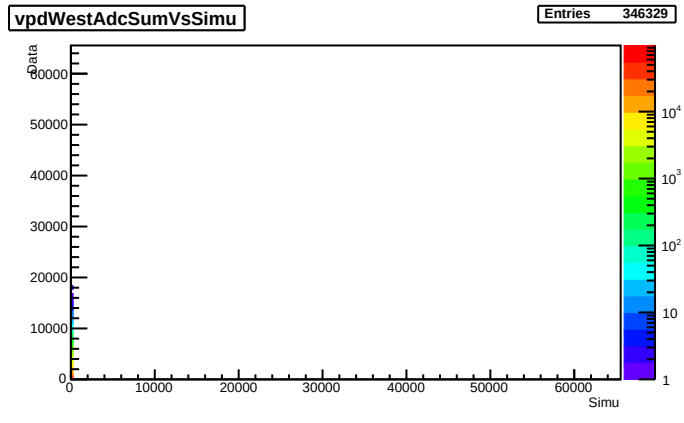

vpdEastAdcSum
Entries 445274

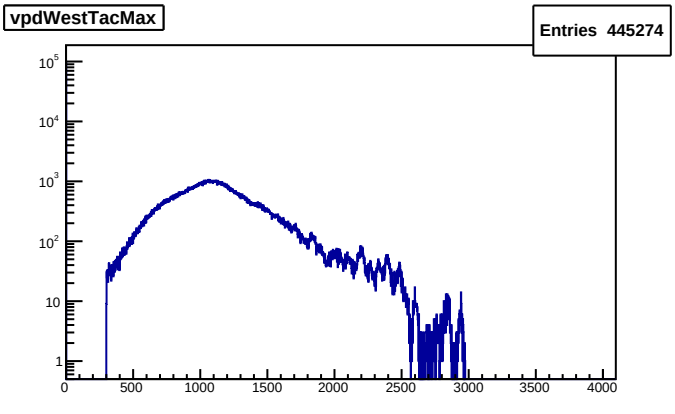

vpdEastAdcSumVsSimu
Entries 275157
Data
Simu

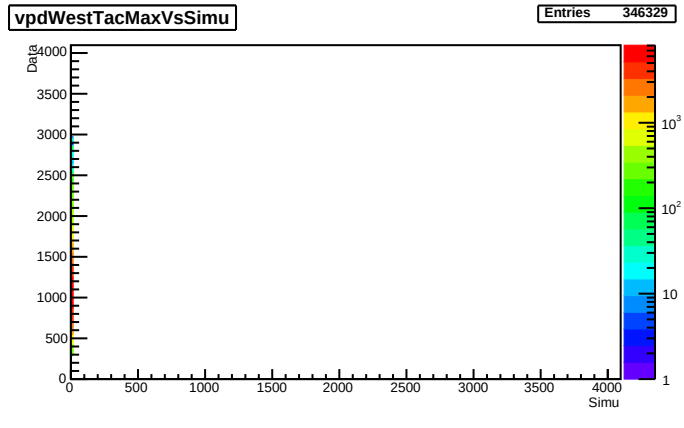

vpdEastTacMax
Entries 445274

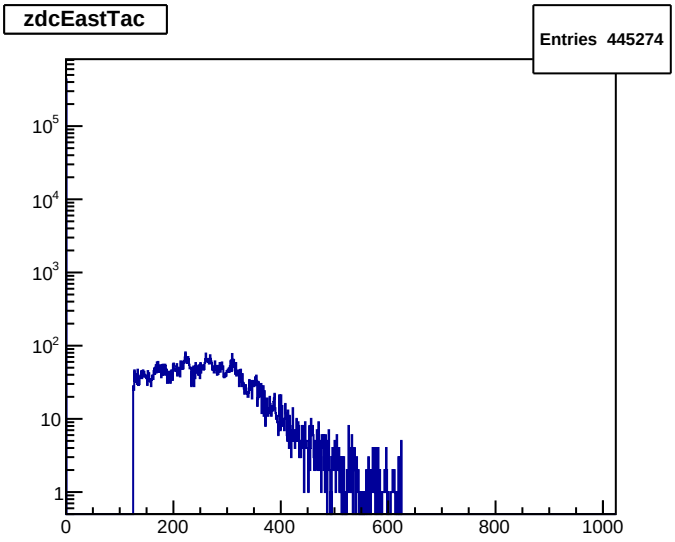

vpdEastTacMaxVsSimu
Entries 275157
Data
Simu

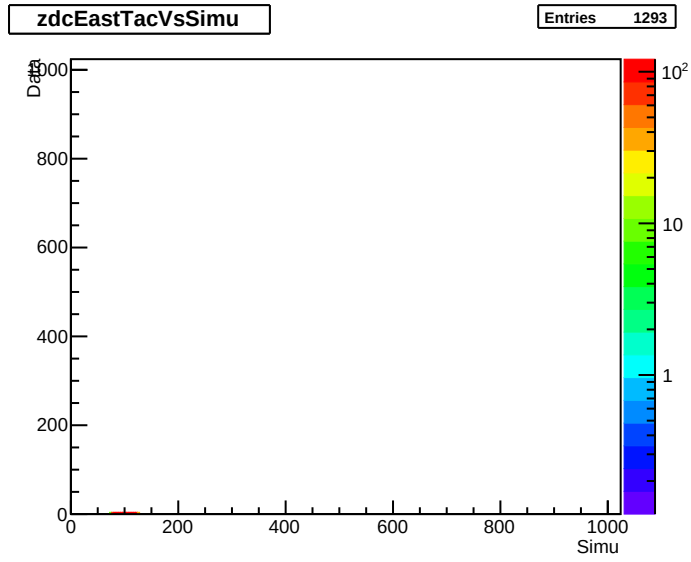

vpdWestAdcSum
Entries 445274

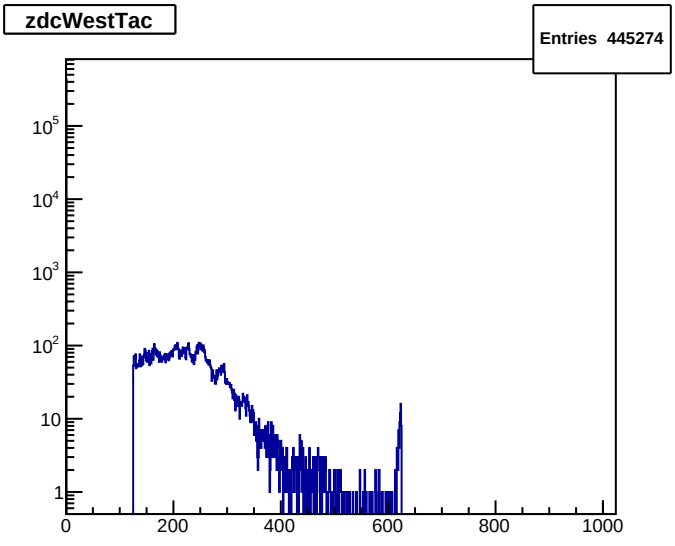

vpdWestAdcSumVsSimu
Entries 346329
Data
Simu

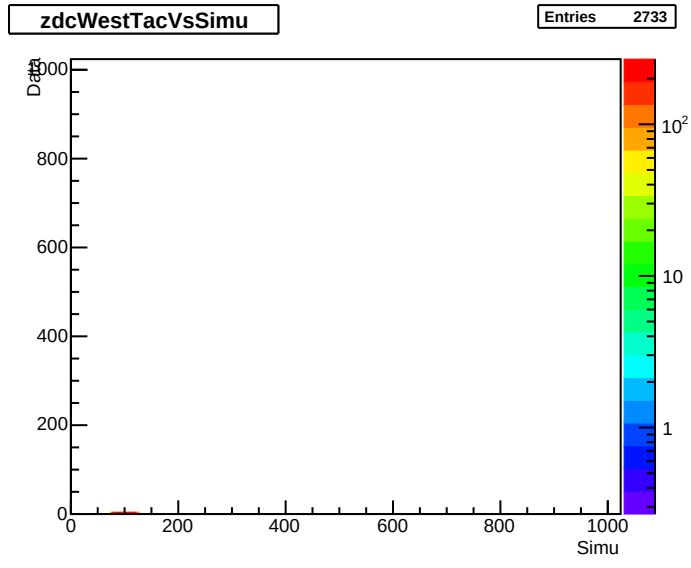

vpdWestTacMax
Entries 445274

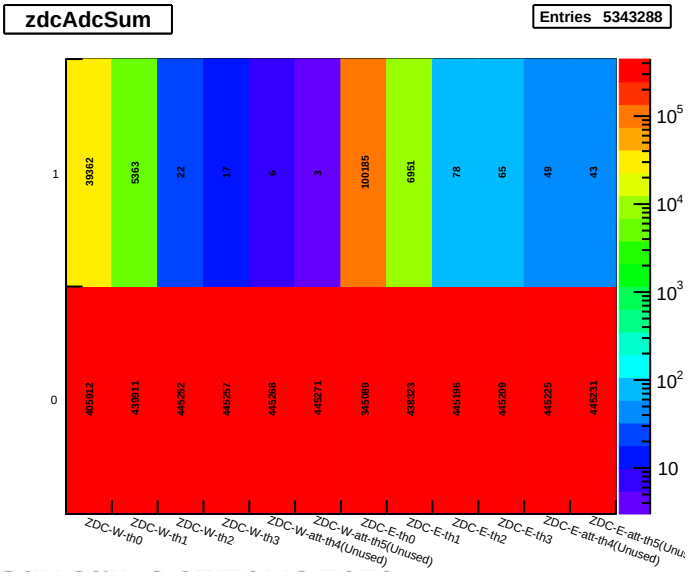

vpdWestTacMaxVsSimu
Entries 346329
Data
Simu

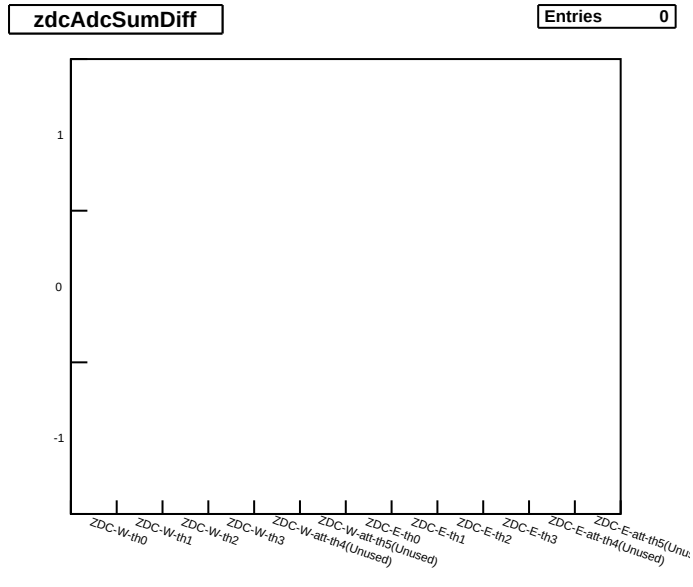

zdcEastTac
Entries 445274

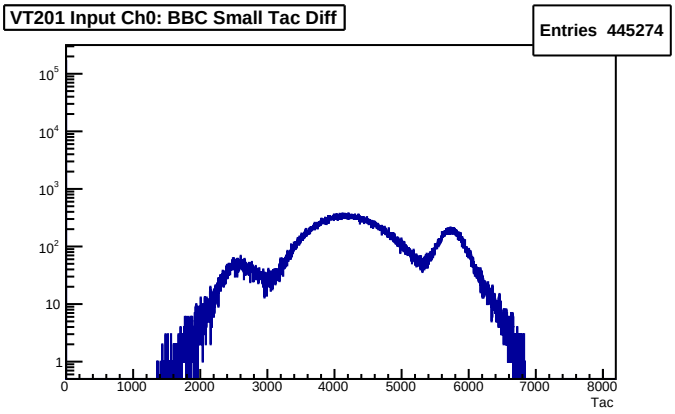

zdcEastTacVsSimu
Entries 1293
Data
Simu

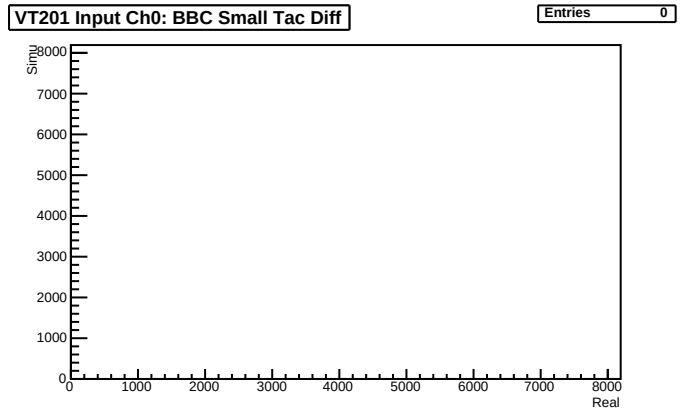

zdcWestTac
Entries 445274

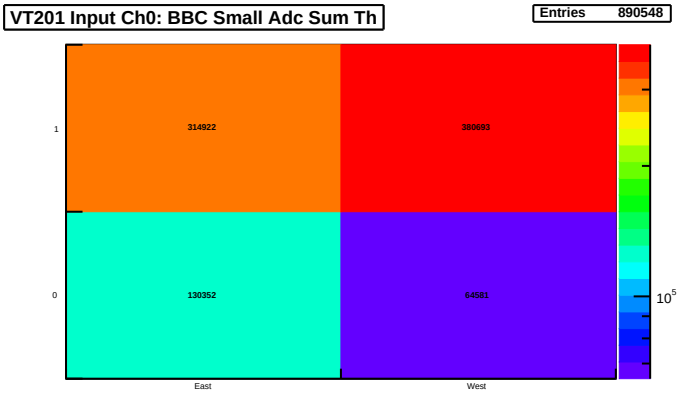

zdcWestTacVsSimu
Entries 2733
Data
Simu

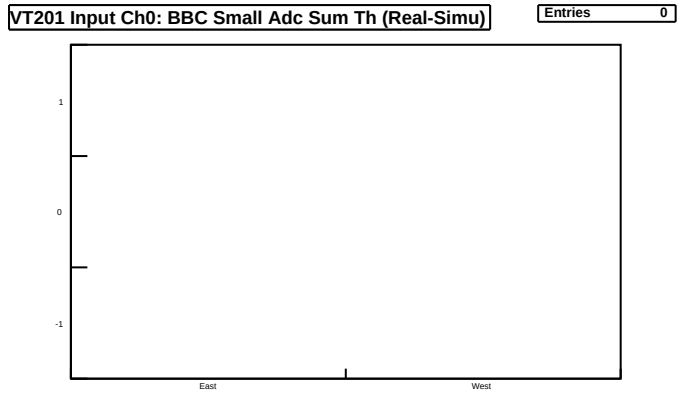

zdcAdcSum
Entries 5343288
39362
5363
22
17
6
3
100185
6951
78
65
49
43
405912
439911
445252
445257
445268
445271
345089
438323
445196
445209
445225
445231
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

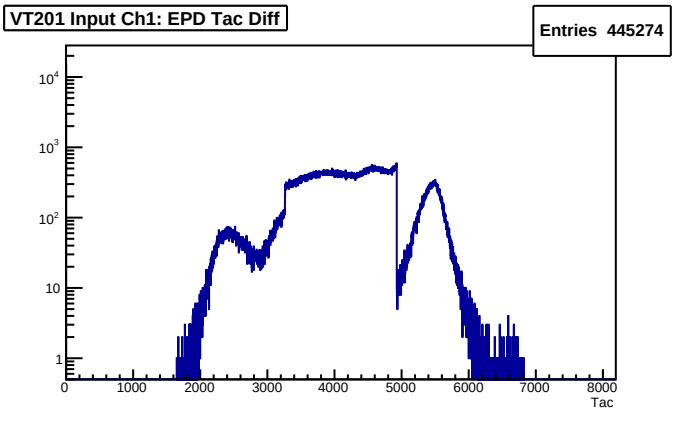

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

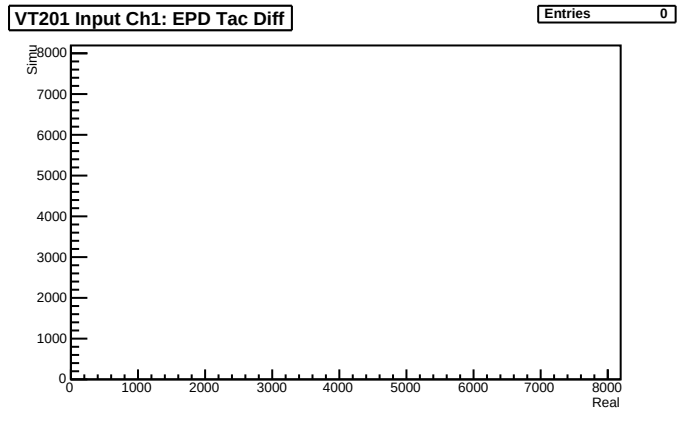

VT201 Input Ch0: BBC Small Tac Diff
Entries 445274
Tac

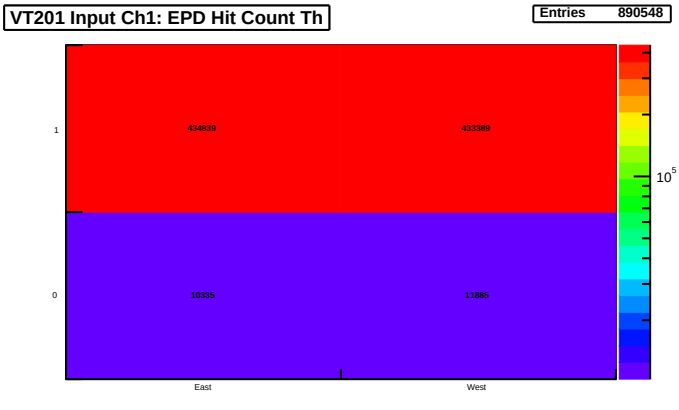

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

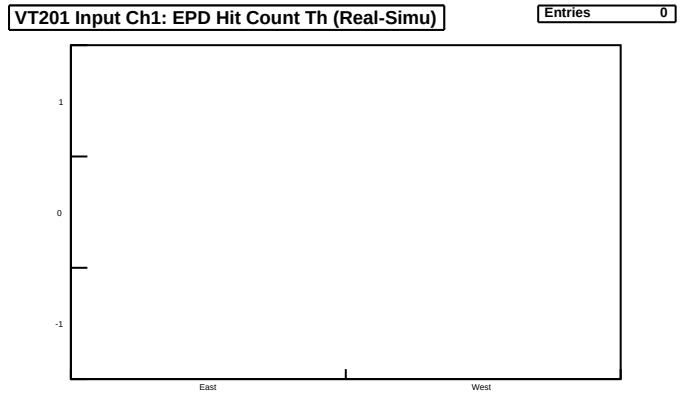

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 890548
314922
380693
130352
64581
East
West

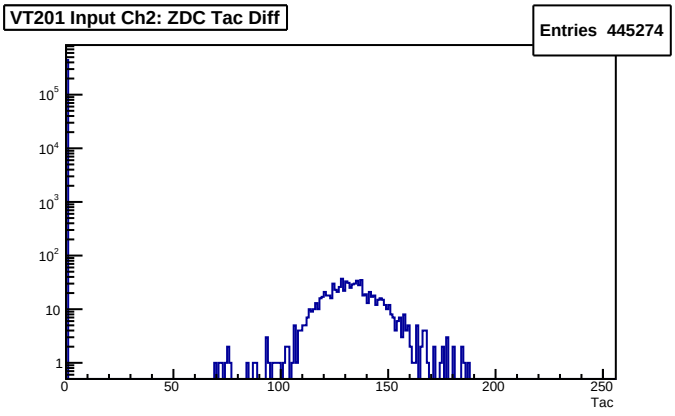

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

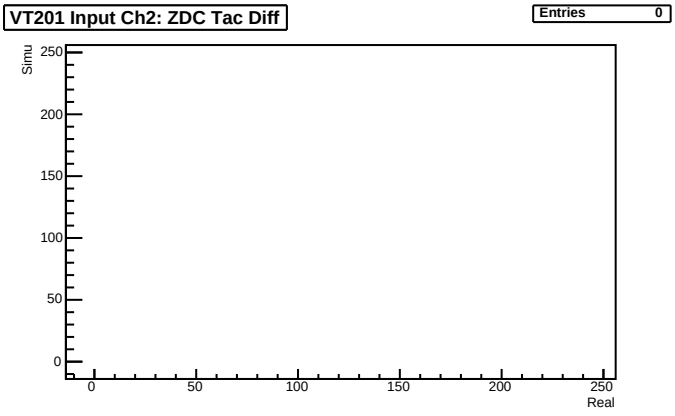

VT201 Input Ch1: EPD Tac Diff
Entries 445274
Tac

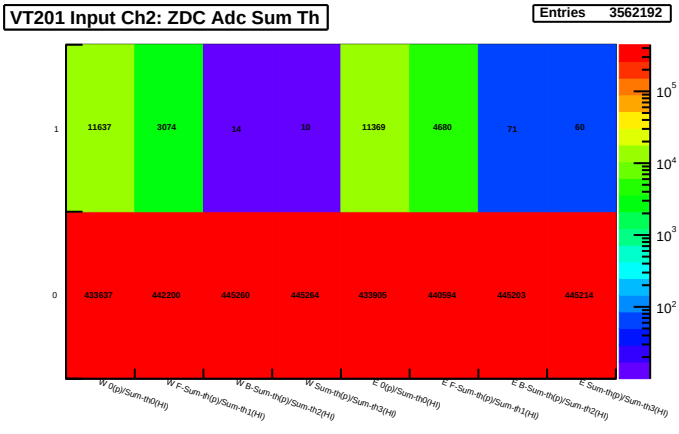

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

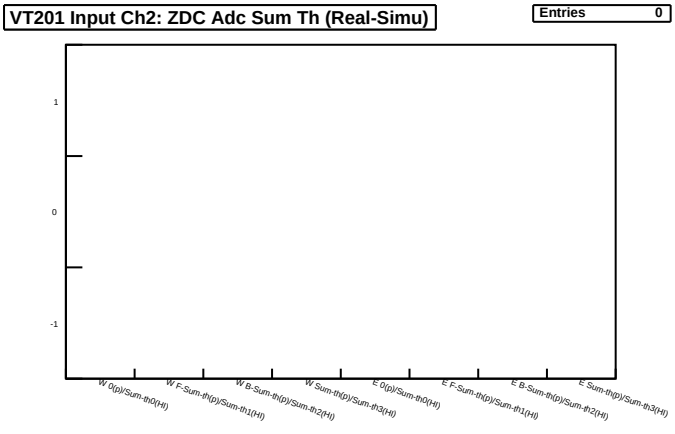

VT201 Input Ch1: EPD Hit Count Th
Entries 890548
434939
433389
10335
11885
East
West

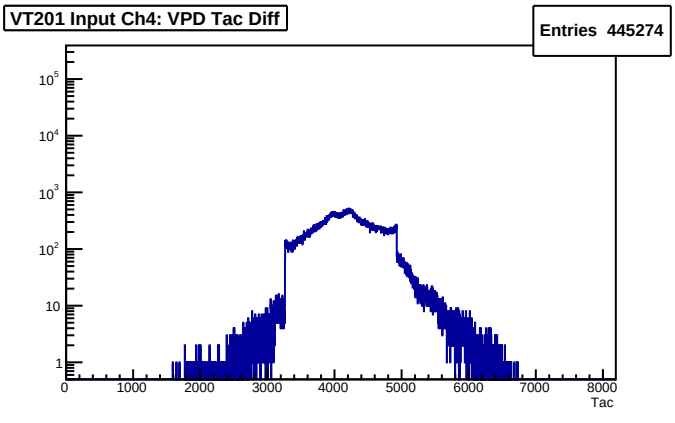

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

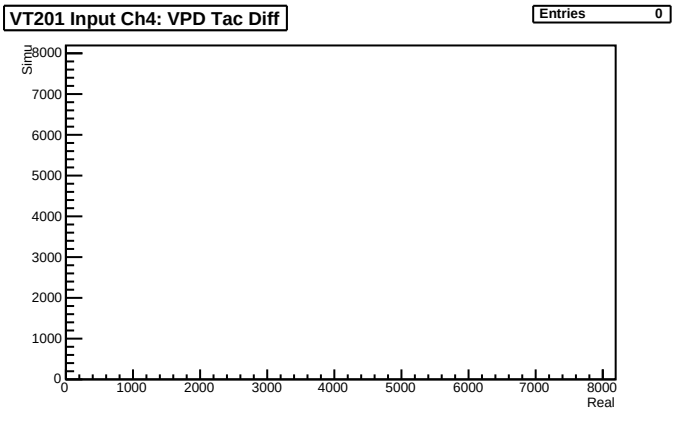

VT201 Input Ch2: ZDC Tac Diff
Entries 445274
Tac

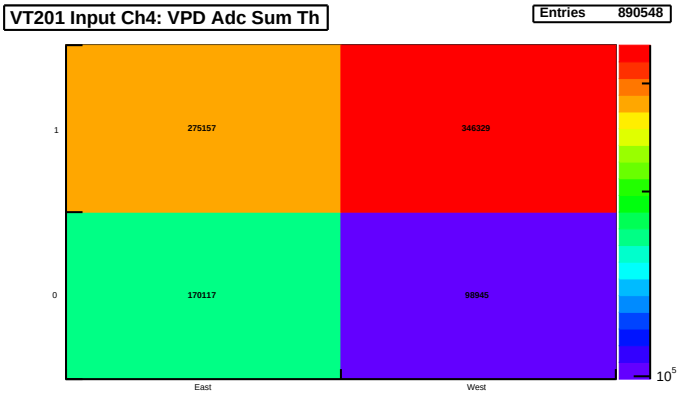

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

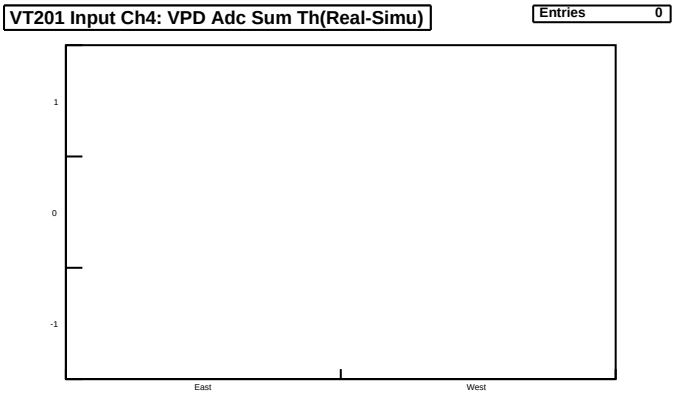

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3562192
11637
3074
14
10
11369
4680
71
60
433637
442200
445260
445264
433905
440594
445203
445214
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

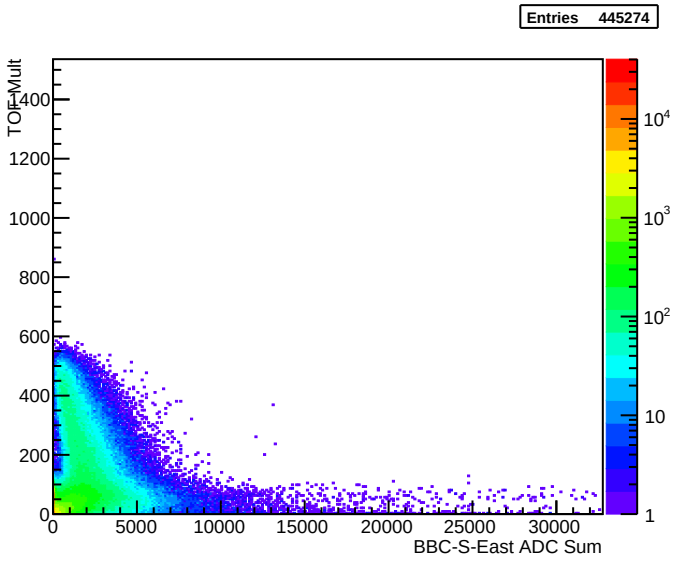

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(Hl)
W F-Sum-th(p)/Sum-th1(Hl)
W B-Sum-th(p)/Sum-th2(Hl)
W Sum-th(p)/Sum-th3(Hl)
E 0(p)/Sum-th0(Hl)
E F-Sum-th(p)/Sum-th1(Hl)
E B-Sum-th(p)/Sum-th2(Hl)
E Sum-th(p)/Sum-th3(Hl)

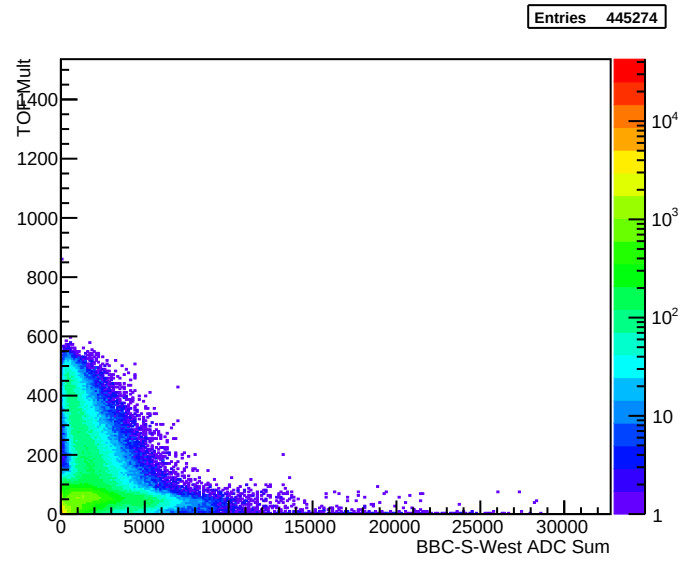

VT201 Input Ch4: VPD Tac Diff
Entries 445274
Tac

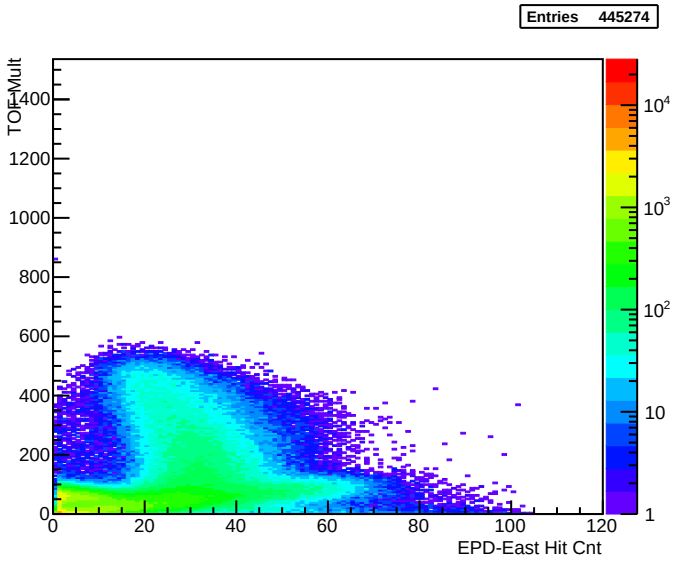

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

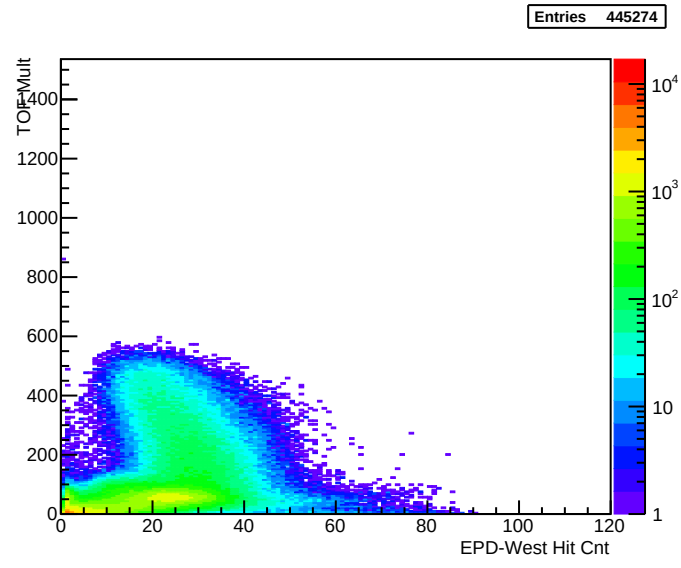

VT201 Input Ch4: VPD Adc Sum Th
Entries 890548
275157
346329
170117
98945
East
West

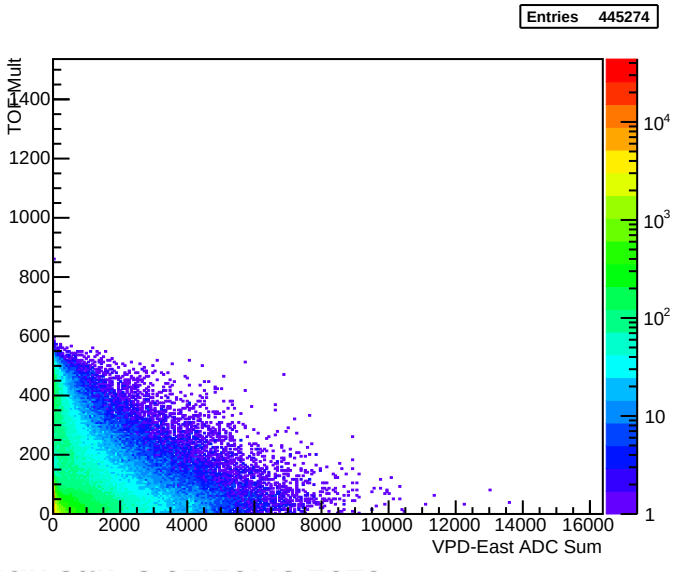

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

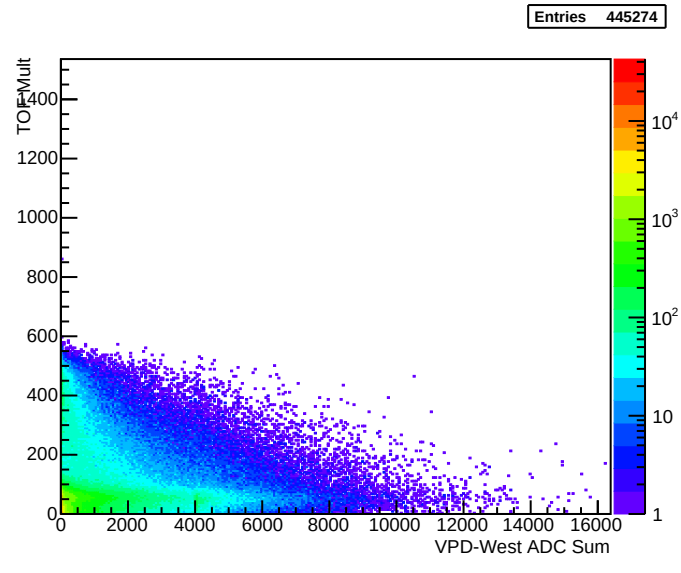

Entries 445274
TOF-Mult
BBC-S-East ADC Sum

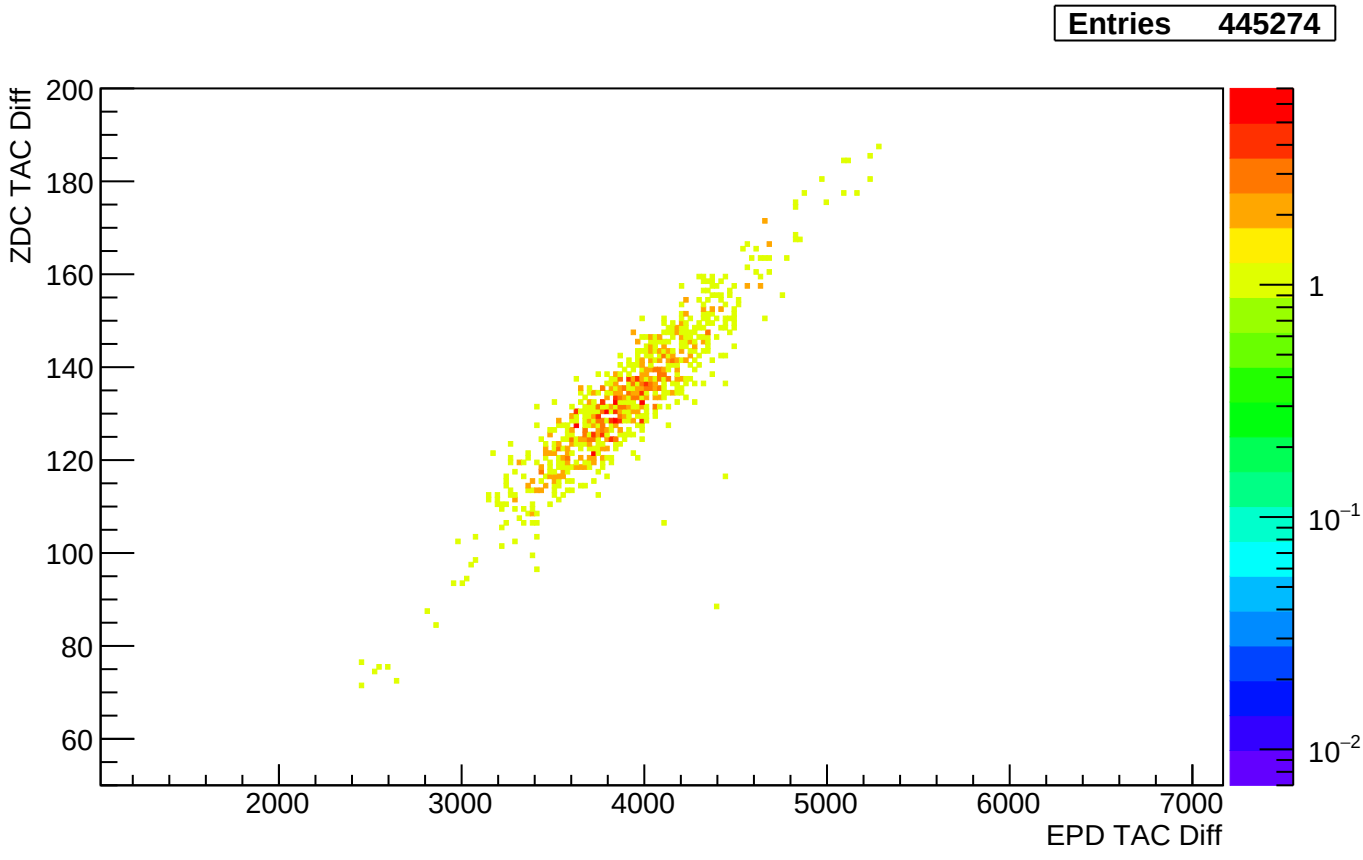

Entries 445274
TOF-Mult
BBC-S-West ADC Sum

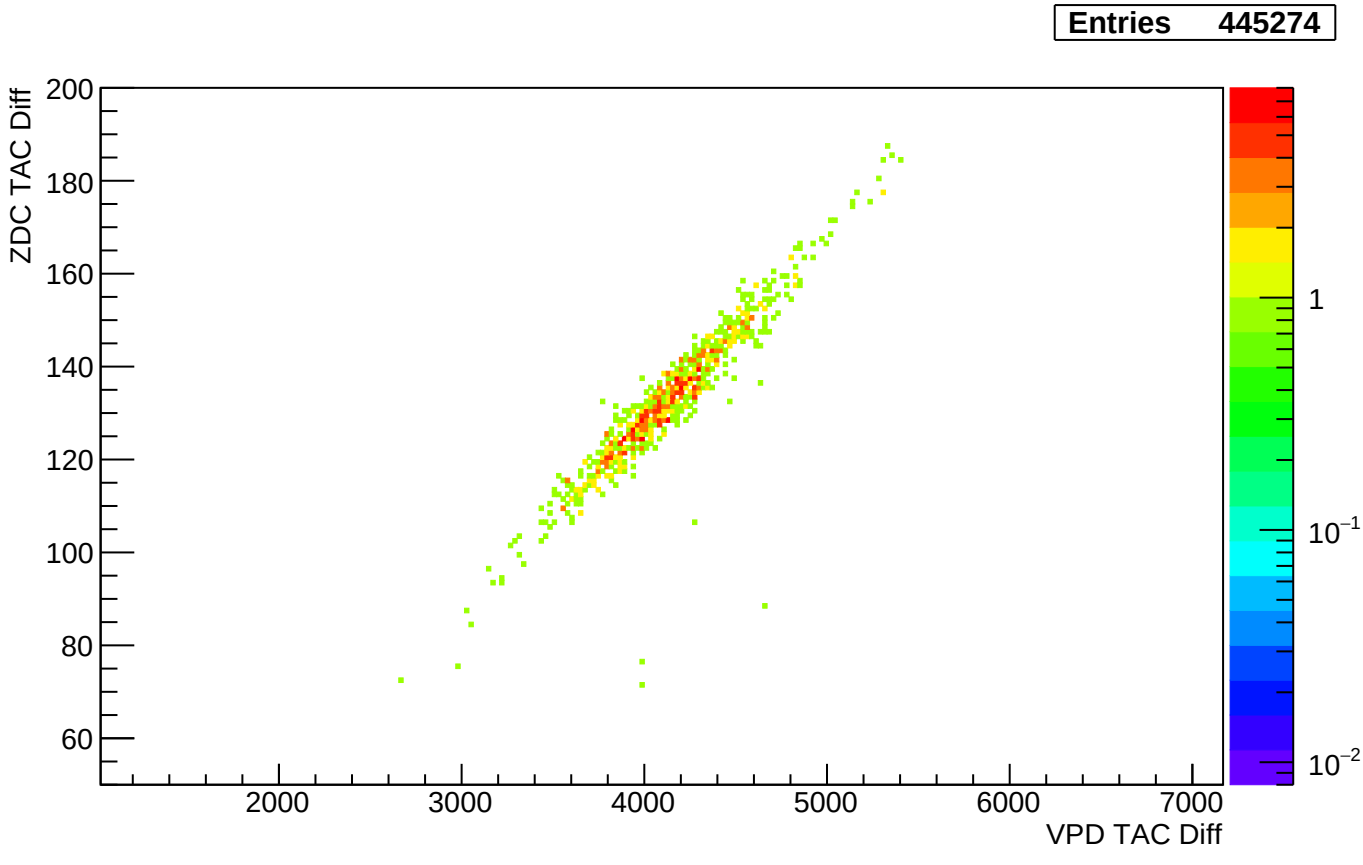

Entries 445274
TOF-Mult
EPD-East Hit Cnt

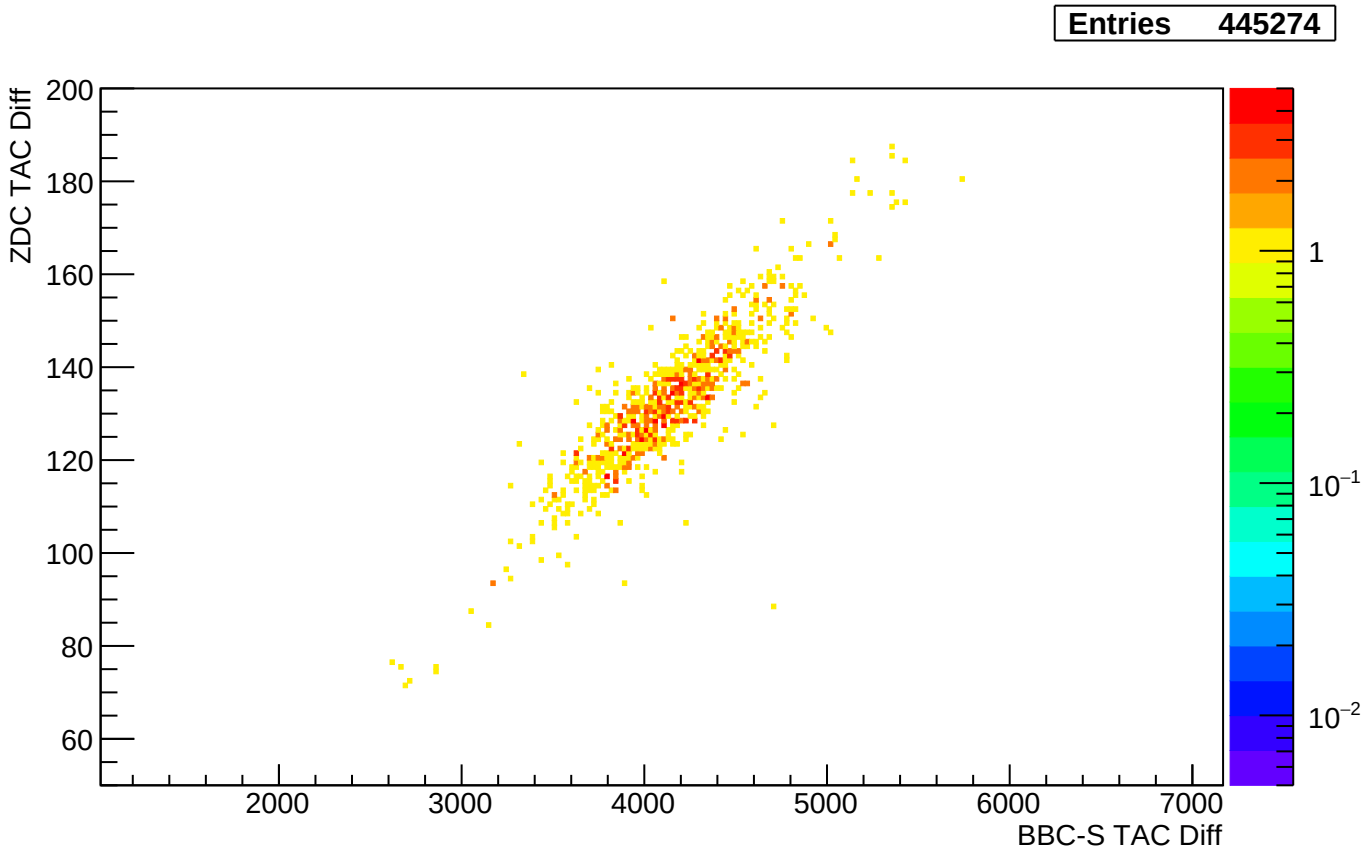

Entries 445274
TOF-Mult
EPD-West Hit Cnt

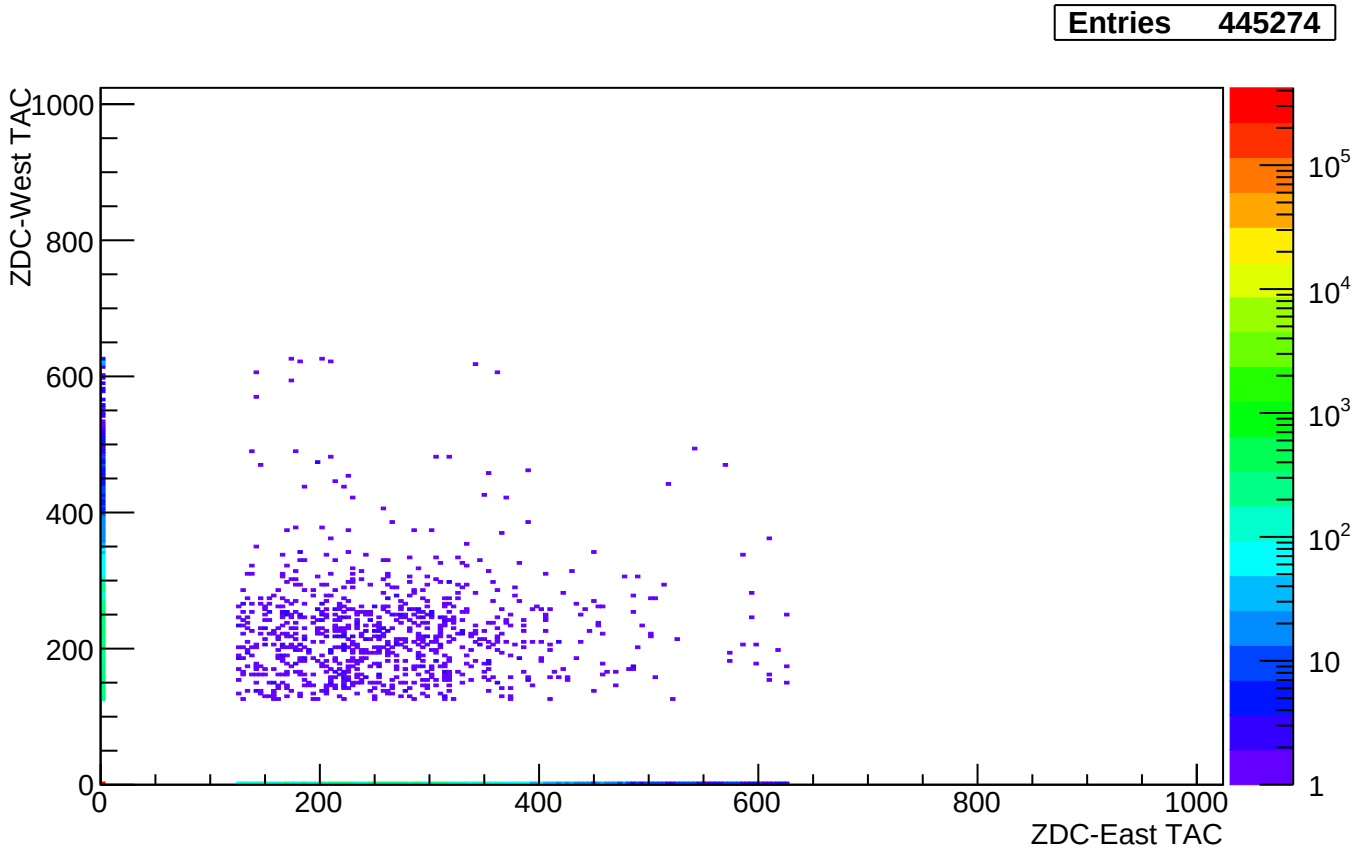

Entries 445274
TOF-Mult
VPD-East ADC Sum

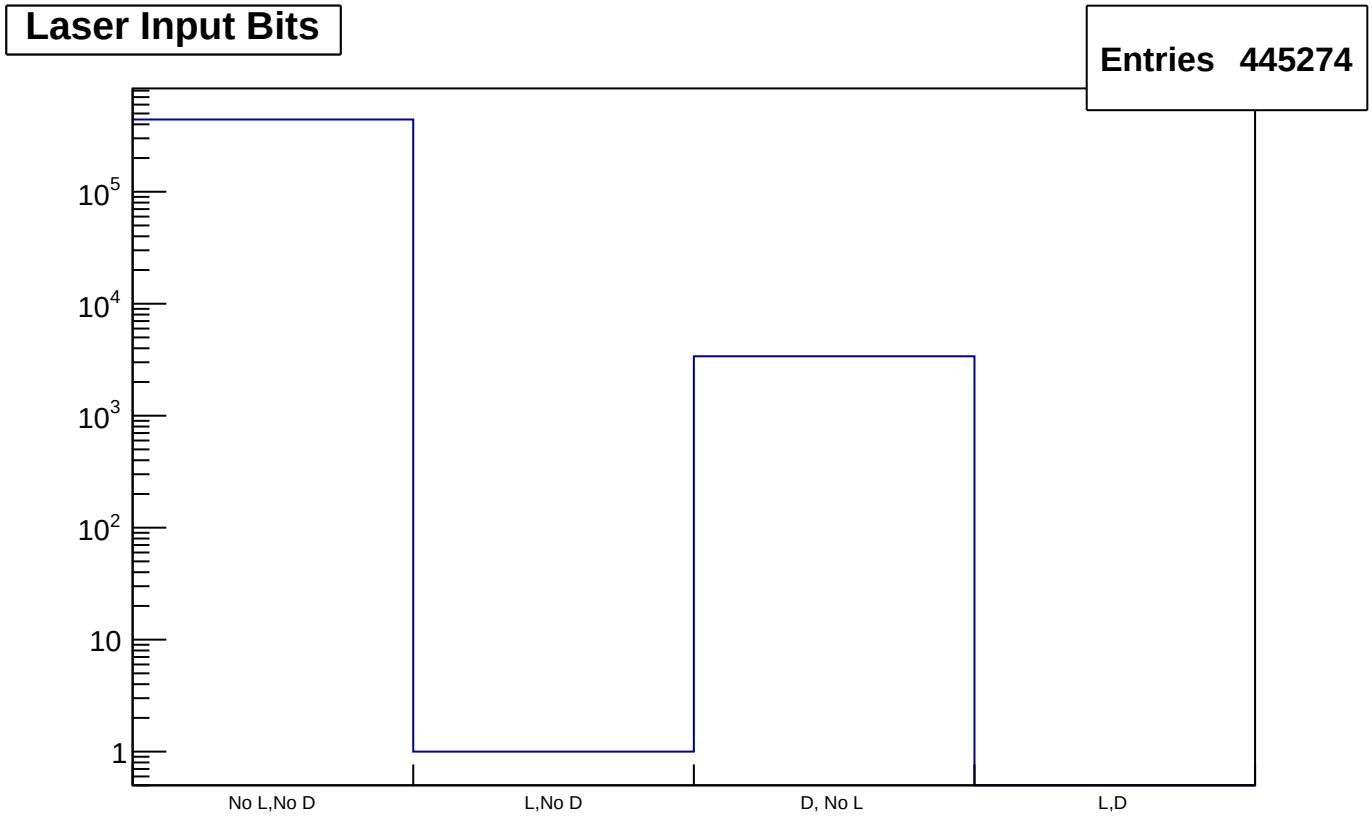

Entries 445274
TOF-Mult
VPD-West ADC Sum

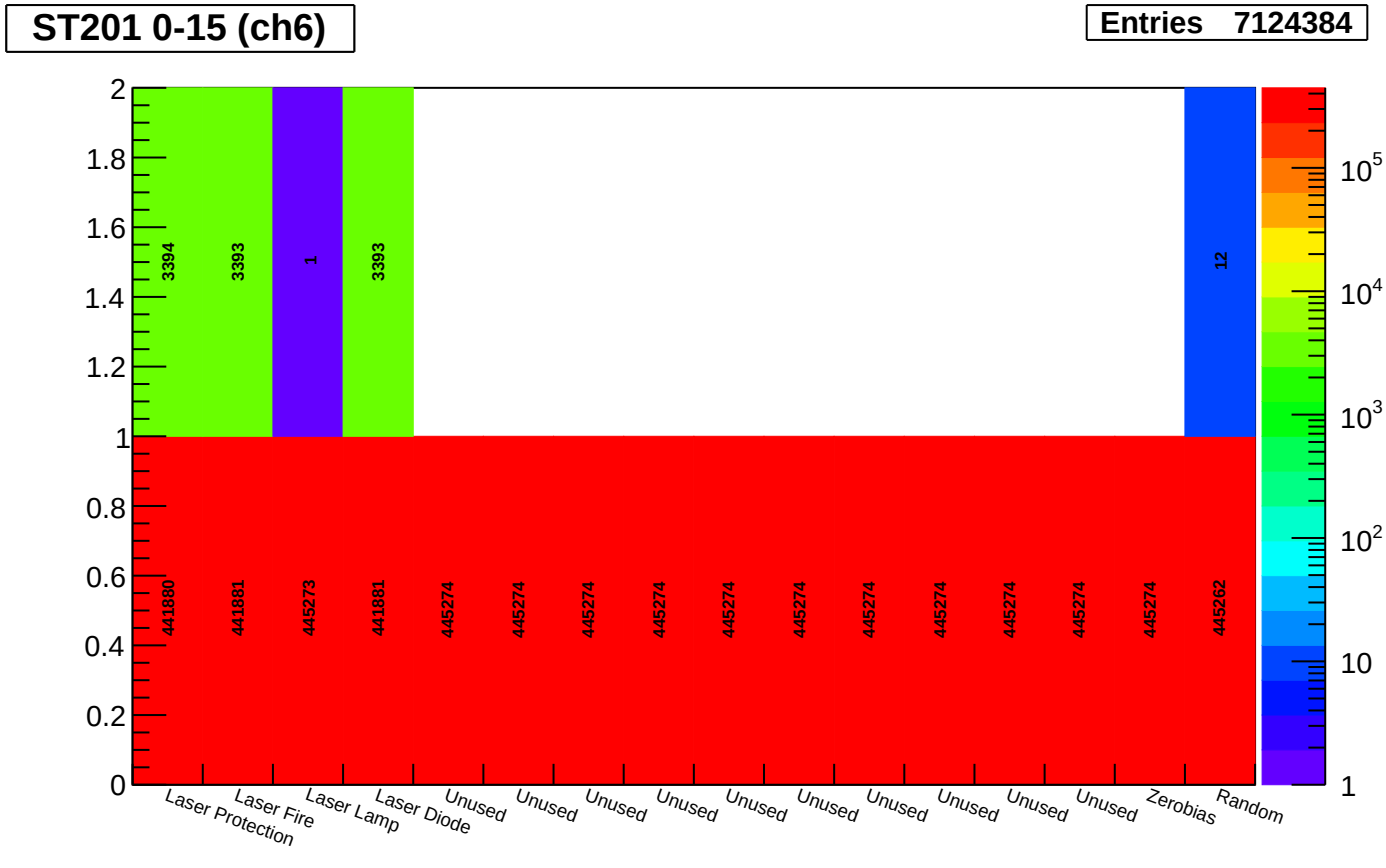

Entries 445274
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
EPD TAC Diff
1
10^{-1}
10^{-2}

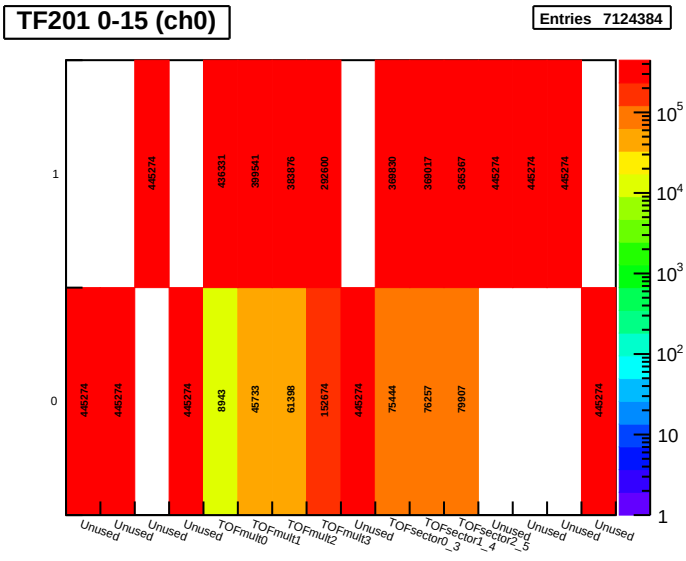

Entries 445274
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
VPD TAC Diff
1
10^{-1}
10^{-2}

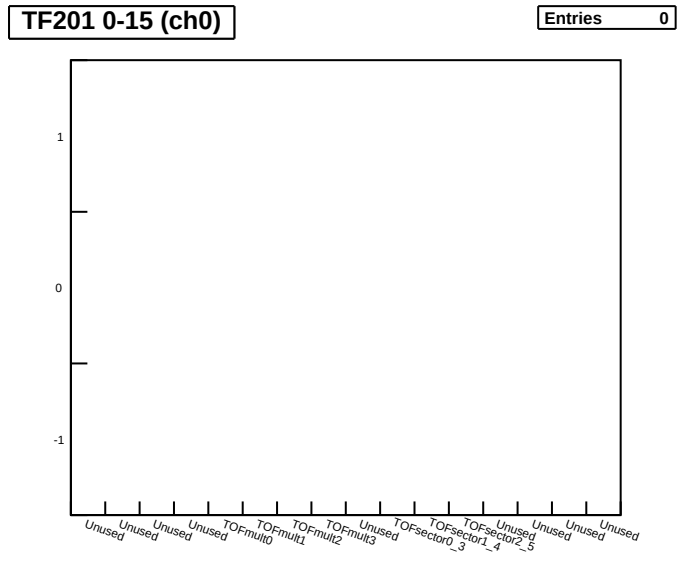

Entries 445274
ZDC TAC Diff
200
180
160
140
120
100
80
60
2000
3000
4000
5000
6000
7000
BBC-S TAC Diff
1
10^{-1}
10^{-2}

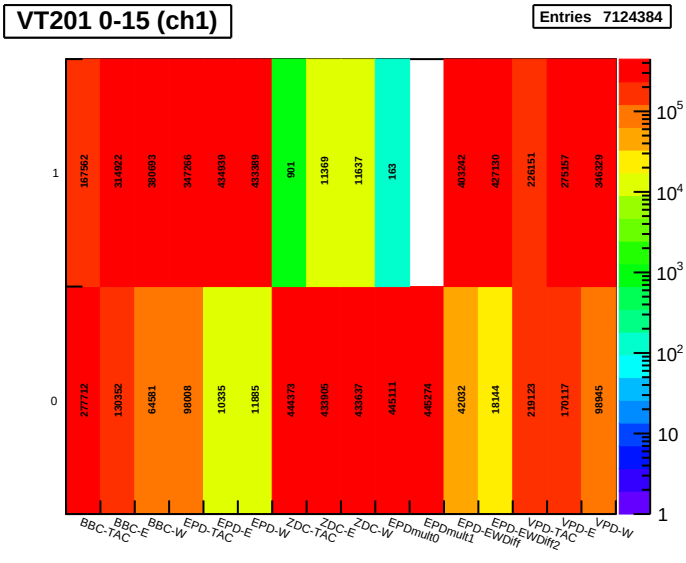

Entries 445274
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

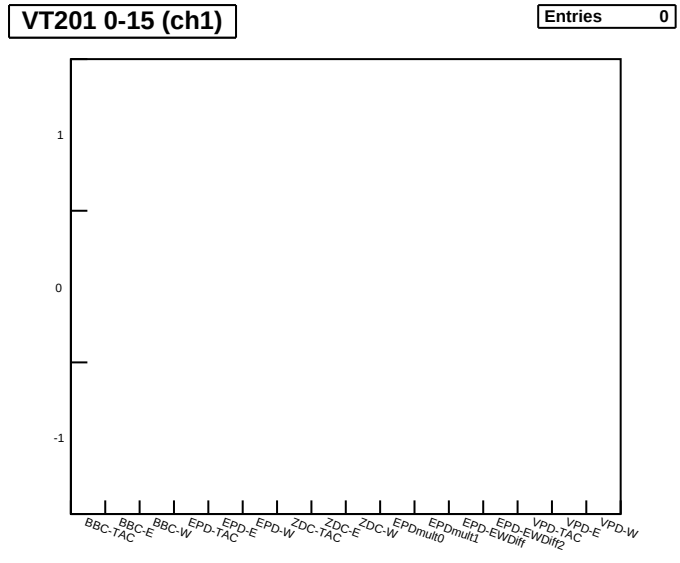

Laser Input Bits
Entries 445274
10^5
10^4
10^3
10^2
10
1
No L,No D
L,No D
D, No L
L,D

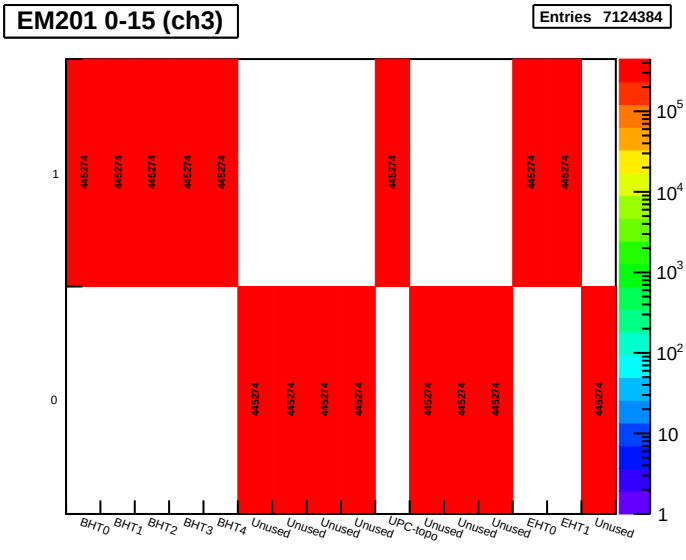

ST201 0-15 (ch6)
Entries 7124384
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3394
3393
1
3393
12
441880
441881
445273
441881
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445262
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

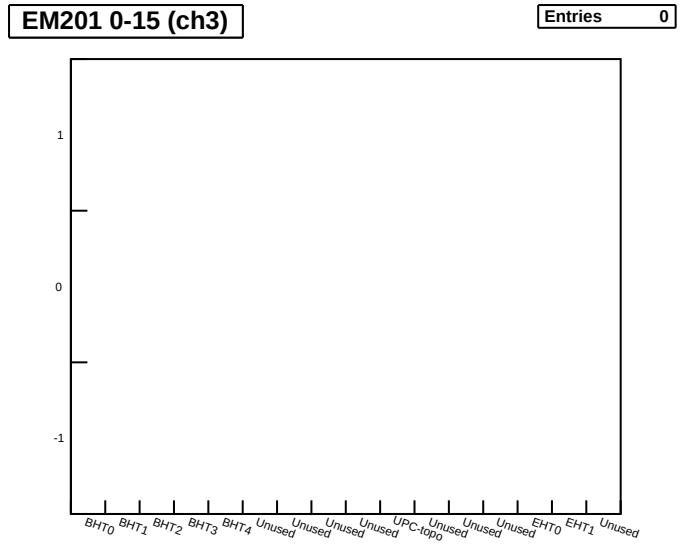

TF201 0-15 (ch0)
Entries 7124384
1
0
445274
436631
399541
383876
292600
369830
369017
365367
445274
445274
445274
445274
445274
445274
445274
8943
45733
61398
152674
445274
75444
76257
79907
445274
Unused
Unused
Unused
Unused
TOFmult0
TOFmult1
TOFmult2
TOFmult3
Unused
TOFsector0_3
TOFsector1_4
TOFsector2_5
Unused
Unused
Unused
Unused
10^5
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 7124384
1
0
167552
314922
360693
347266
434939
433389
901
11369
11637
163
403242
427130
226151
275157
346329
277712
130352
64581
98008
10335
11885
444373
433905
433637
445111
445274
42032
18144
219123
170117
98945
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 7124384
1
0
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
445274
BHT0
BHT1
BHT2
BHT3
BHT4
Unused
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused
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
Unused
Unused
Unused
UPC-topo
Unused
Unused
Unused
EHT0
EHT1
Unused