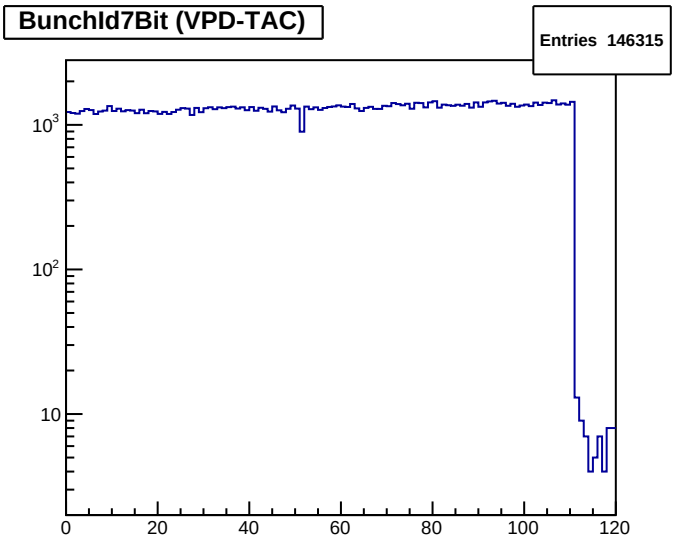
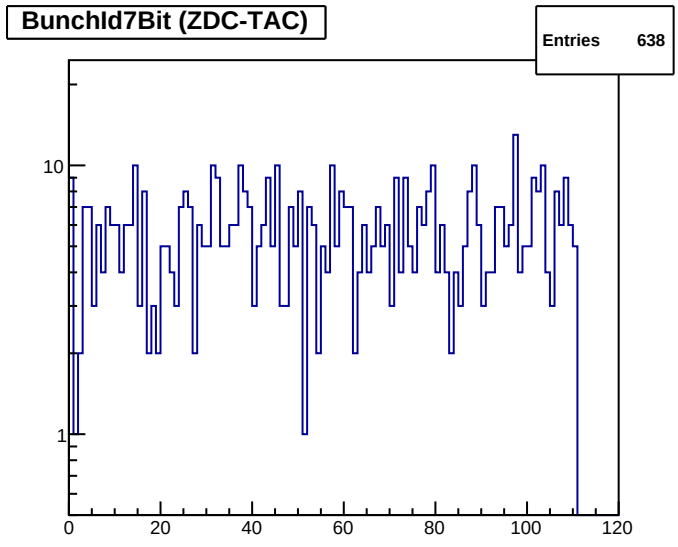
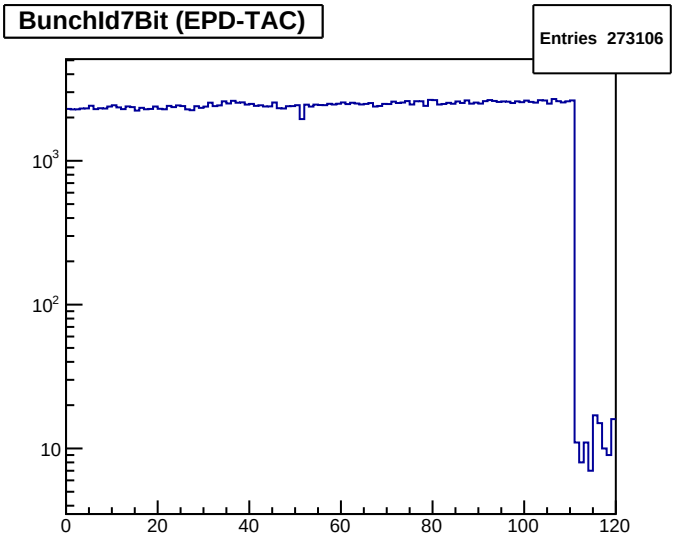
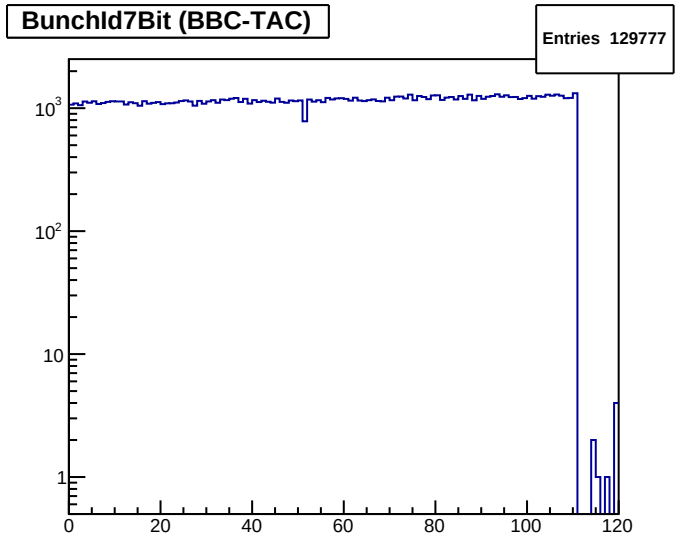
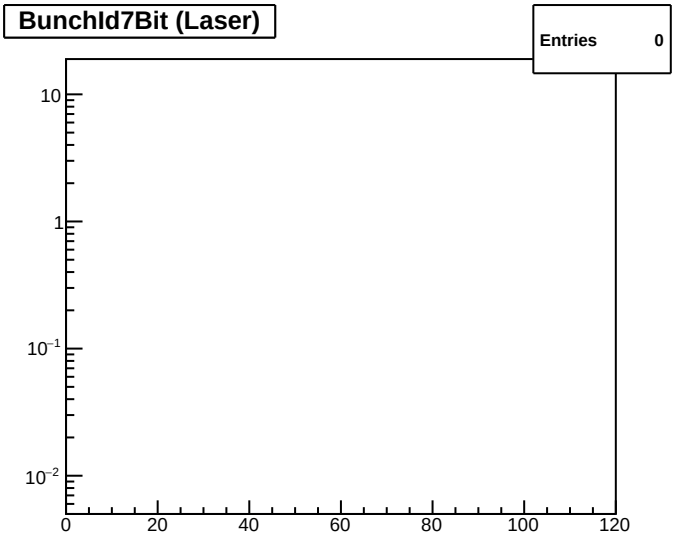
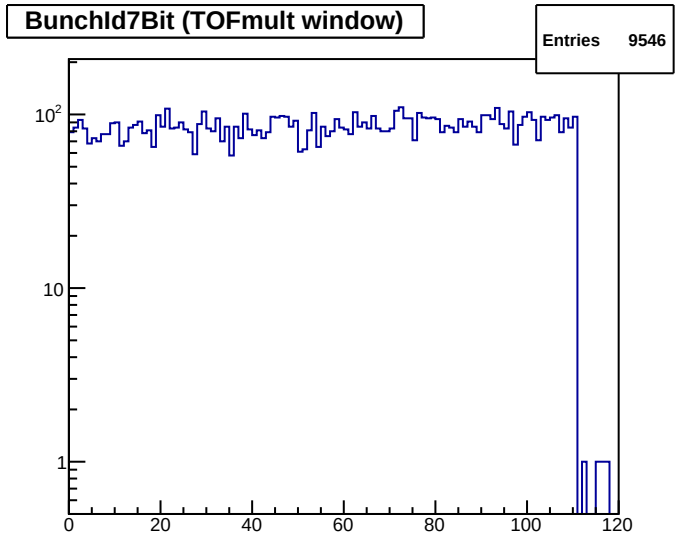

BunchId7Bit (VPD-TAC)
Entries 146315

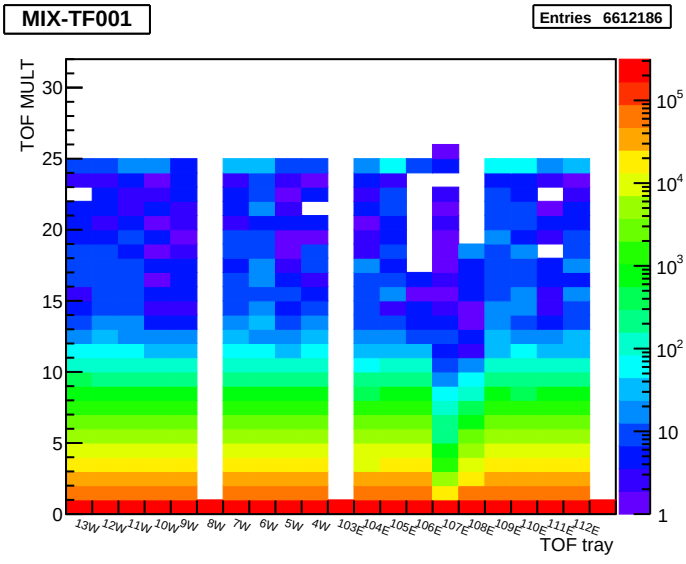

BunchId7Bit (ZDC-TAC)
Entries 638

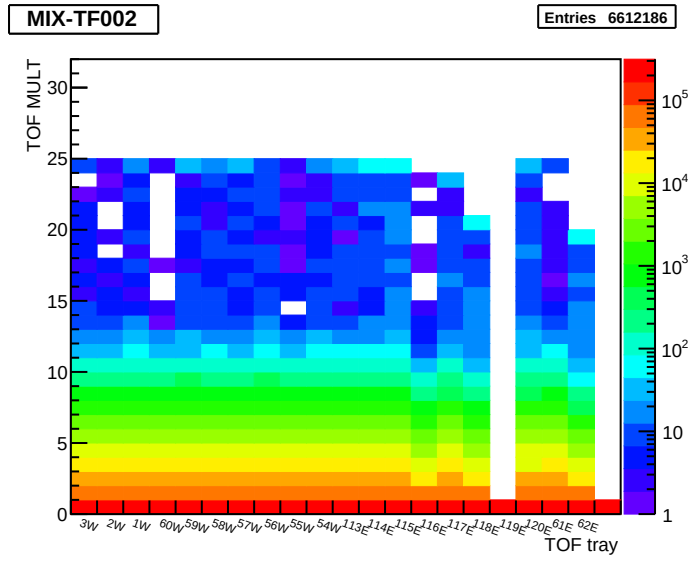

BunchId7Bit (EPD-TAC)
Entries 273106

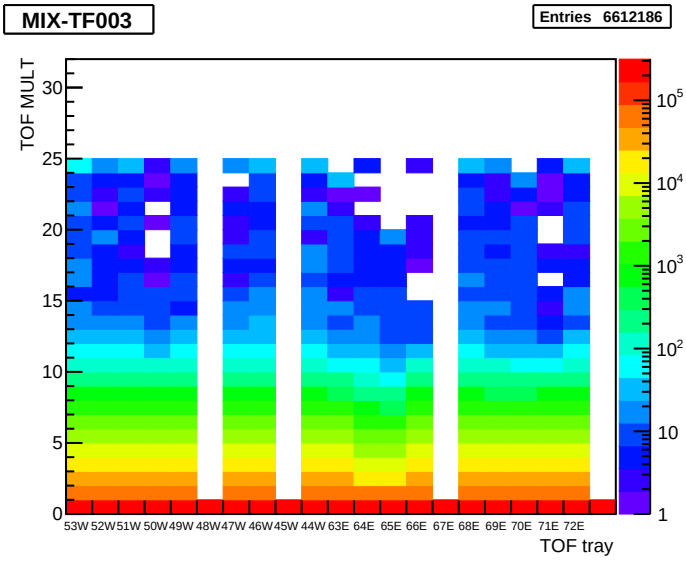

BunchId7Bit (BBC-TAC)
Entries 129777

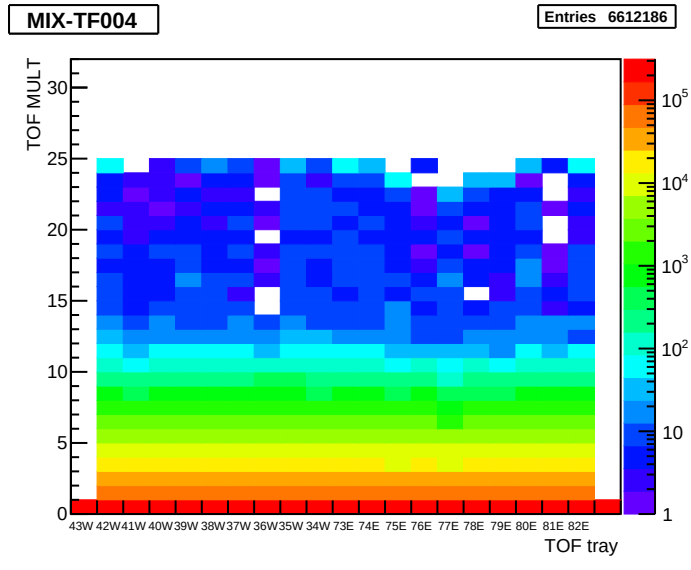

BunchId7Bit (Laser)
Entries 0

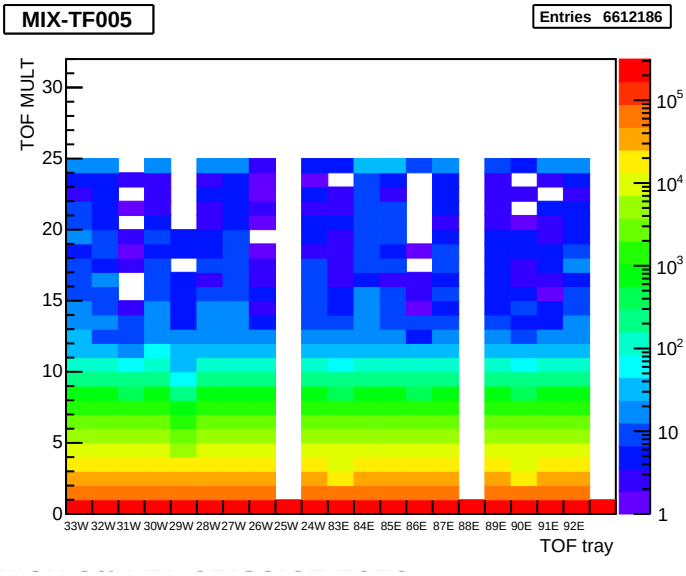

BunchId7Bit (TOFmult window)
Entries 9546

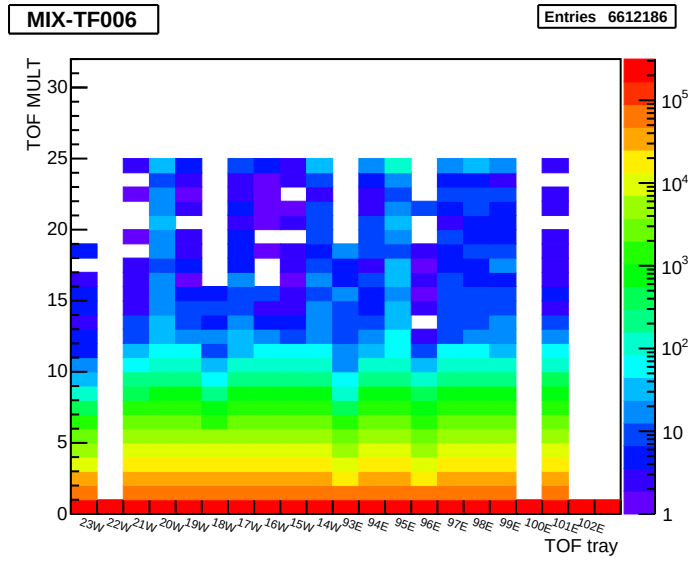

MIX-TF001
Entries 6612186
TOF MULT
TOF tray

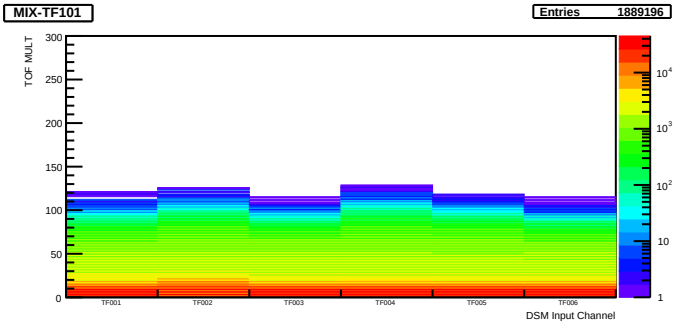

MIX-TF002
Entries 6612186
TOF MULT
TOF tray

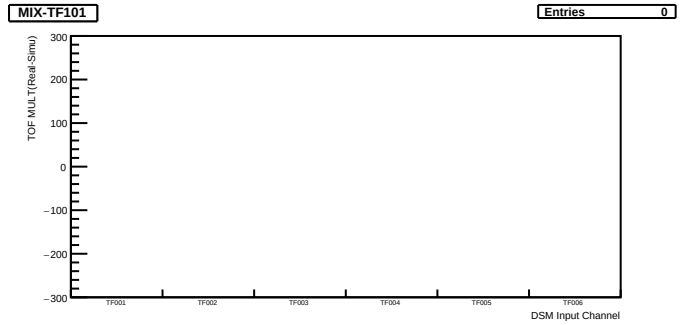

MIX-TF003
Entries 6612186
TOF MULT
TOF tray

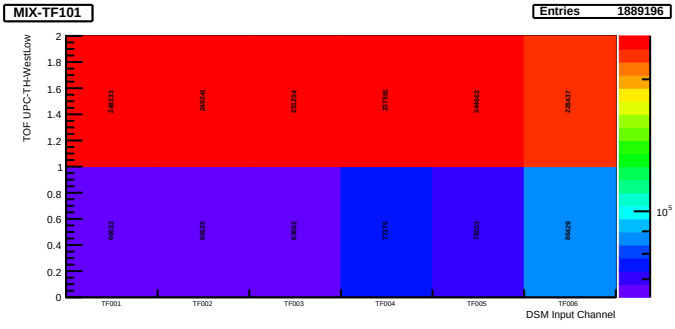

MIX-TF004
Entries 6612186
TOF MULT
TOF tray

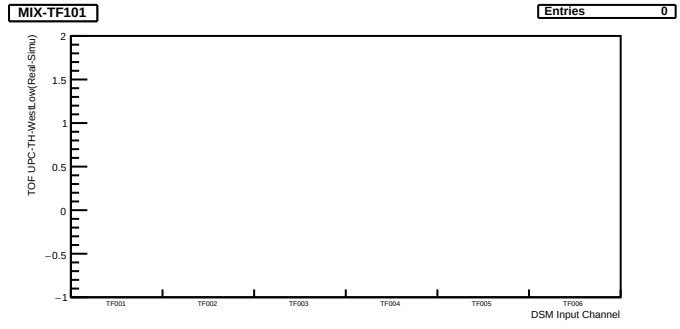

MIX-TF005
Entries 6612186
TOF MULT
TOF tray

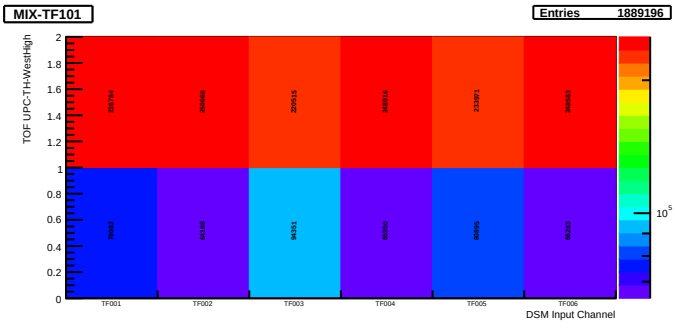

MIX-TF006
Entries 6612186
TOF MULT
TOF tray

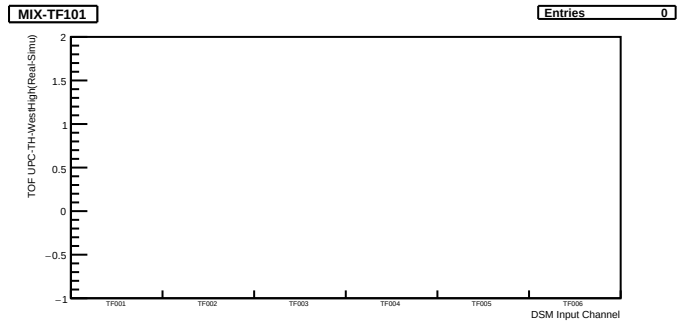

MIX-TF101
Entries 1889196
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

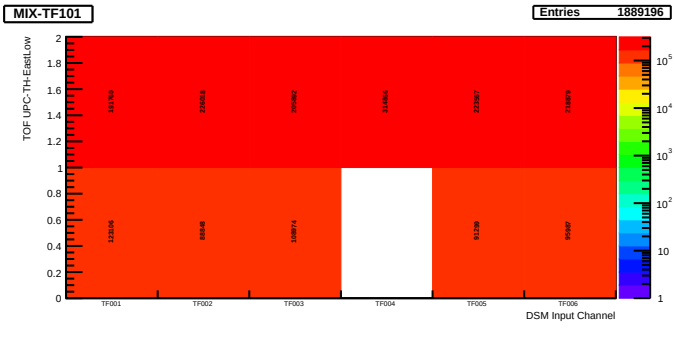

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

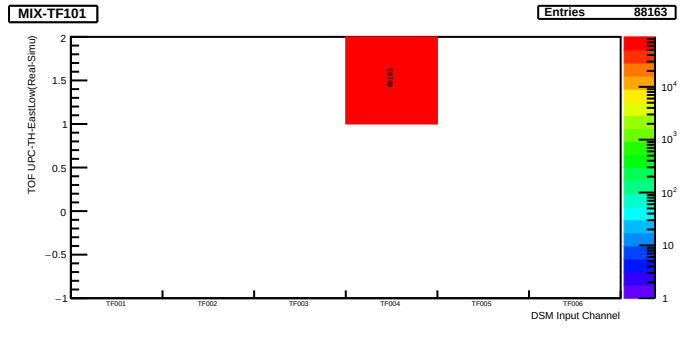

MIX-TF101
Entries 1889196
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

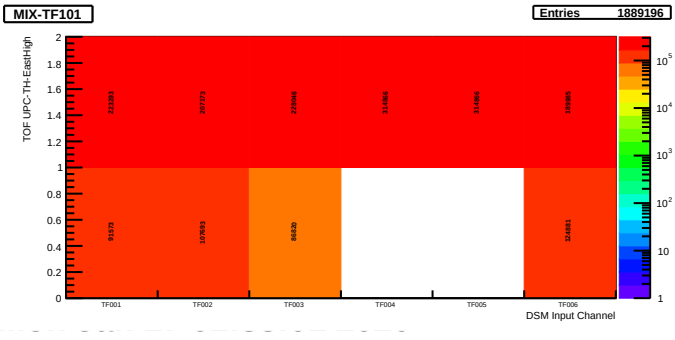

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

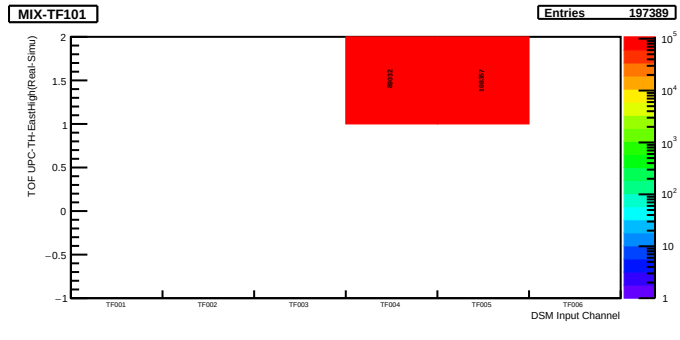

MIX-TF101
Entries 1889196
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

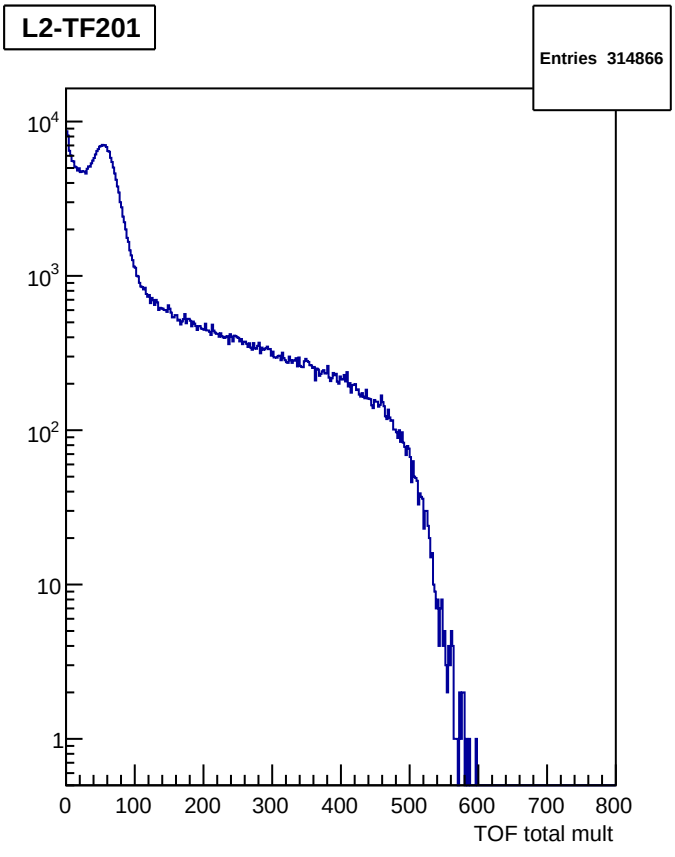

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

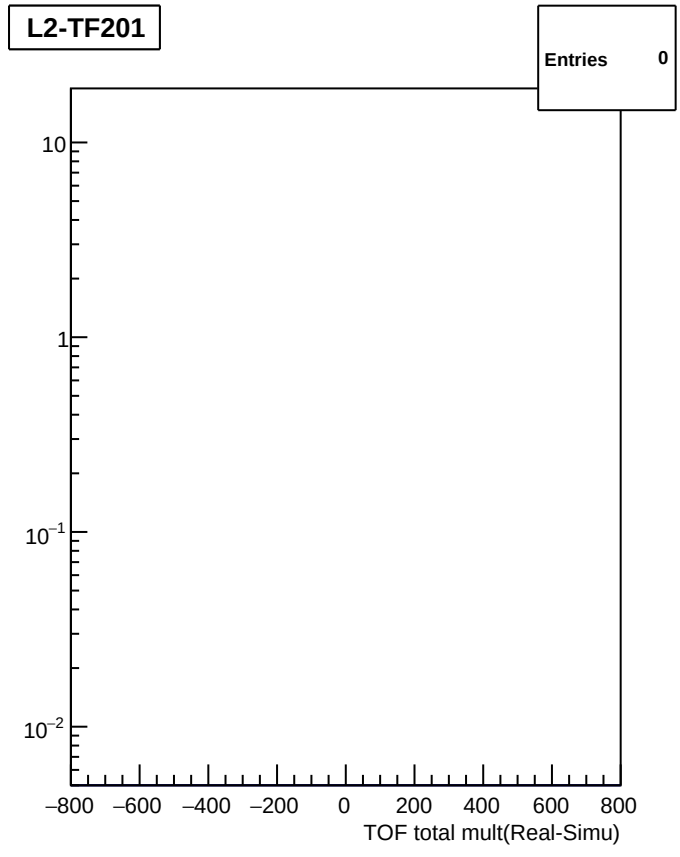

MIX-TF101
Entries 1889196
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

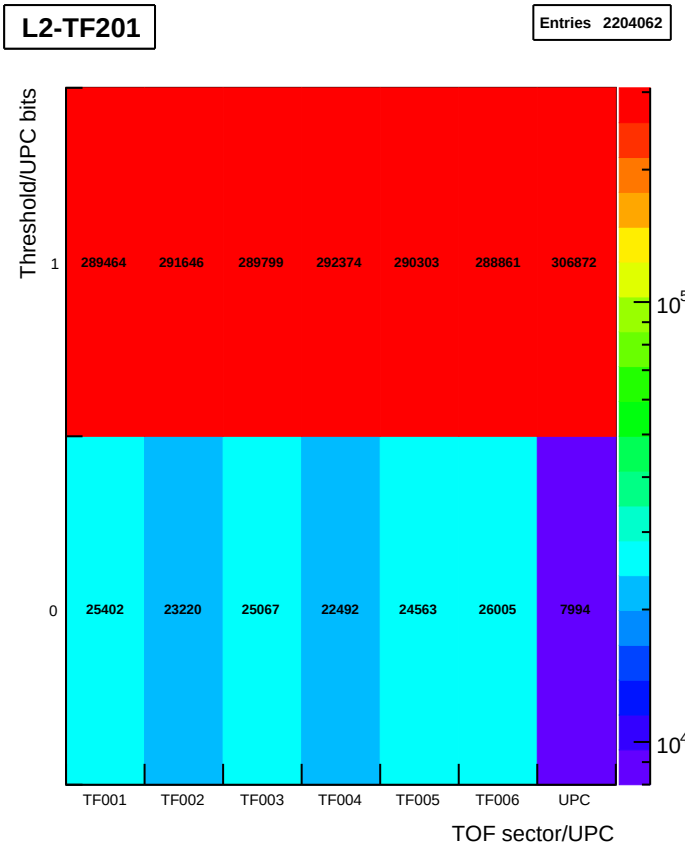

MIX-TF101
Entries 88163
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

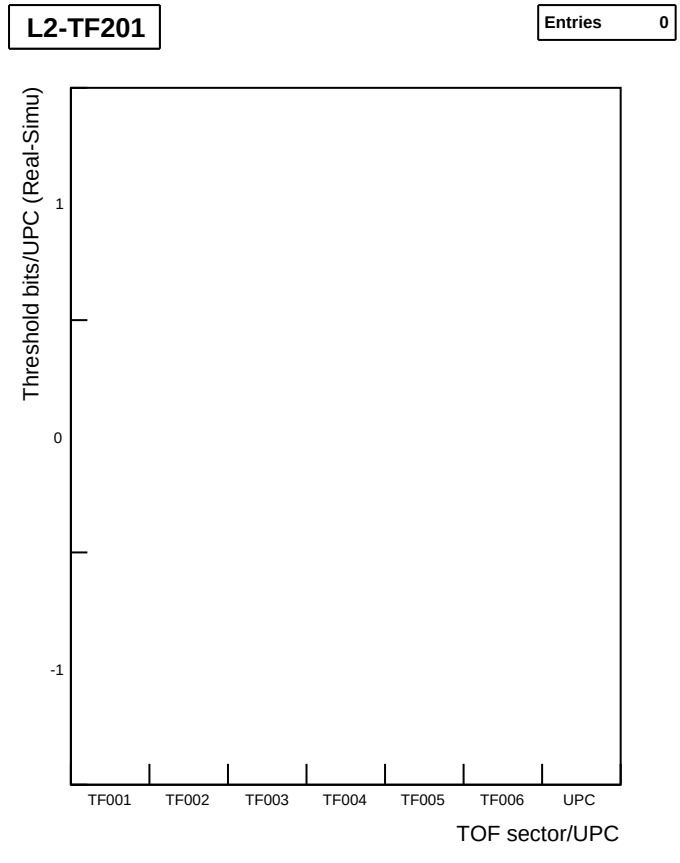

MIX-TF101
Entries 1889196
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

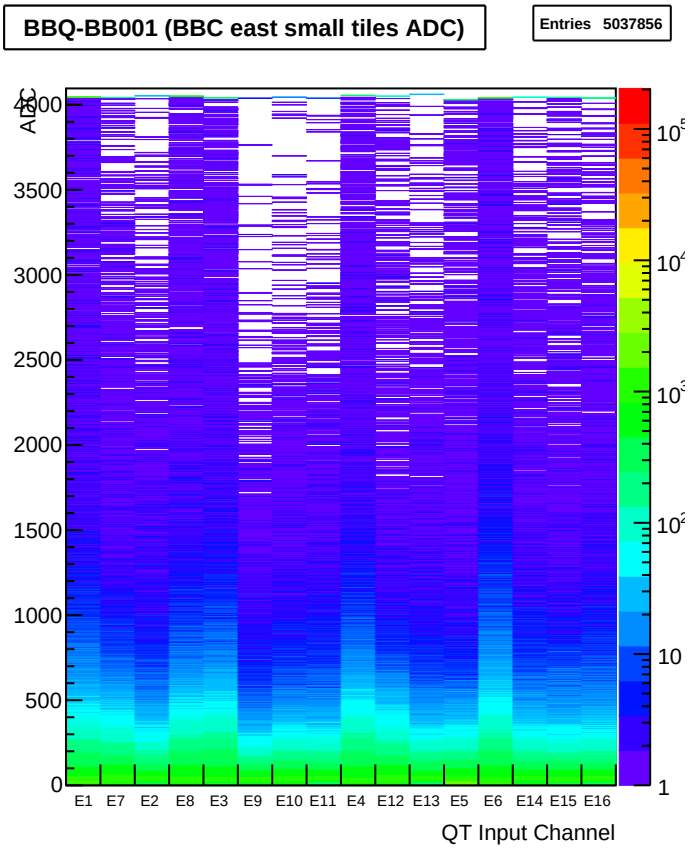

MIX-TF101
Entries 197389
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

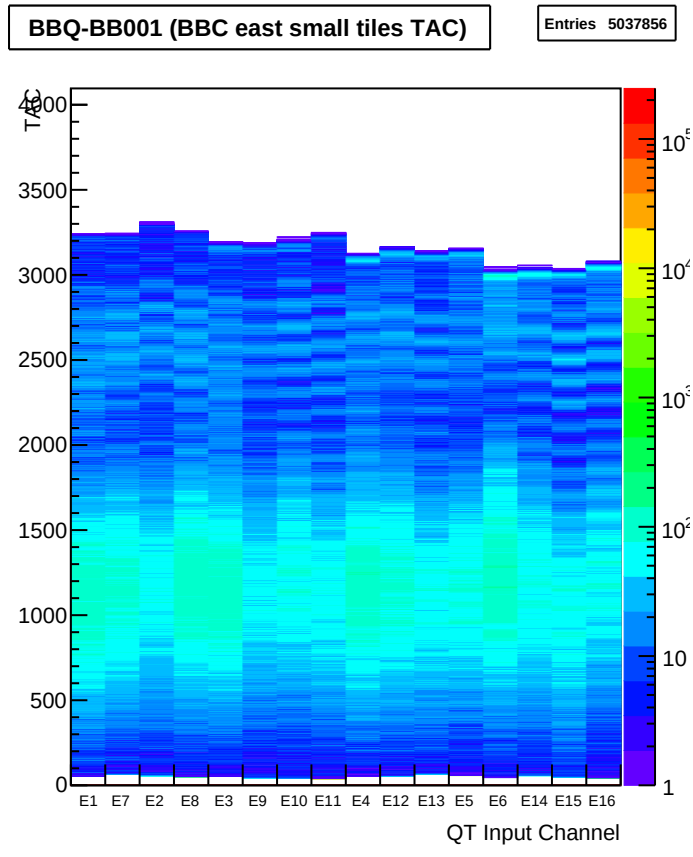

L2-TF201
Entries 314866
TOF total mult

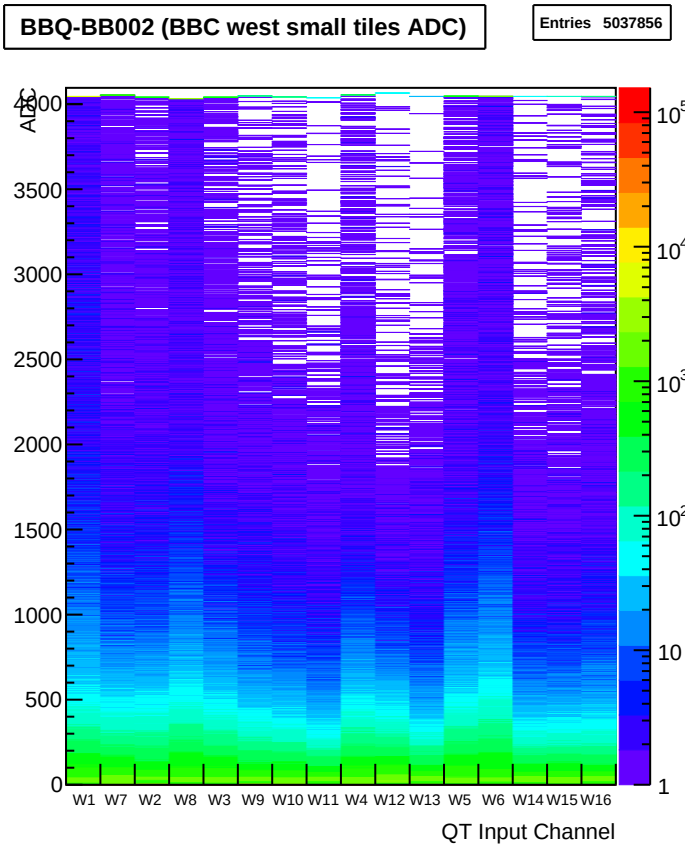

L2-TF201
Entries 0
TOF total mult(Real-Simu)

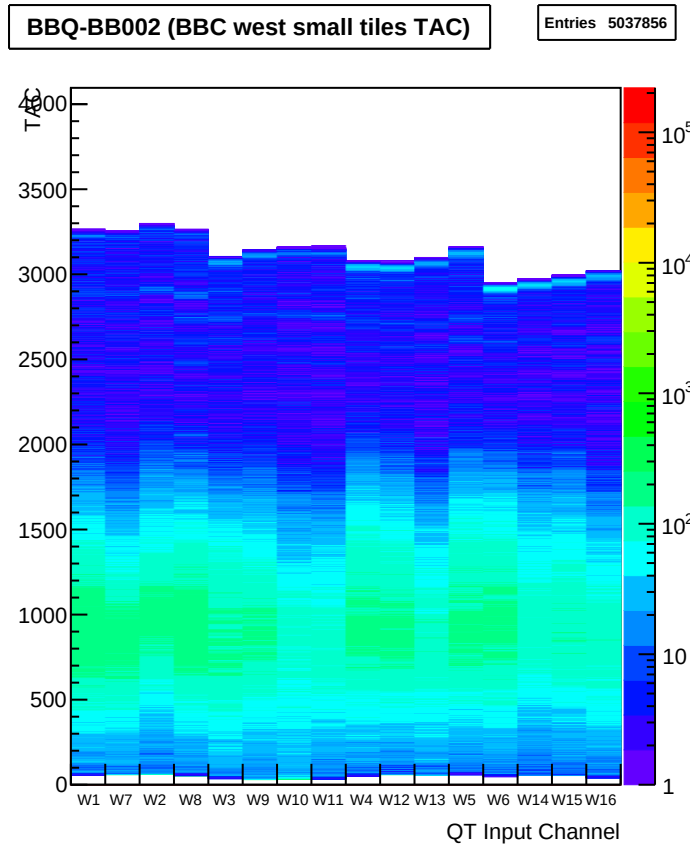

L2-TF201
Entries 2204062
Threshold/UPC bits
289464
291646
289799
292374
290303
288861
306872
25402
23220
25067
22492
24563
26005
7994
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

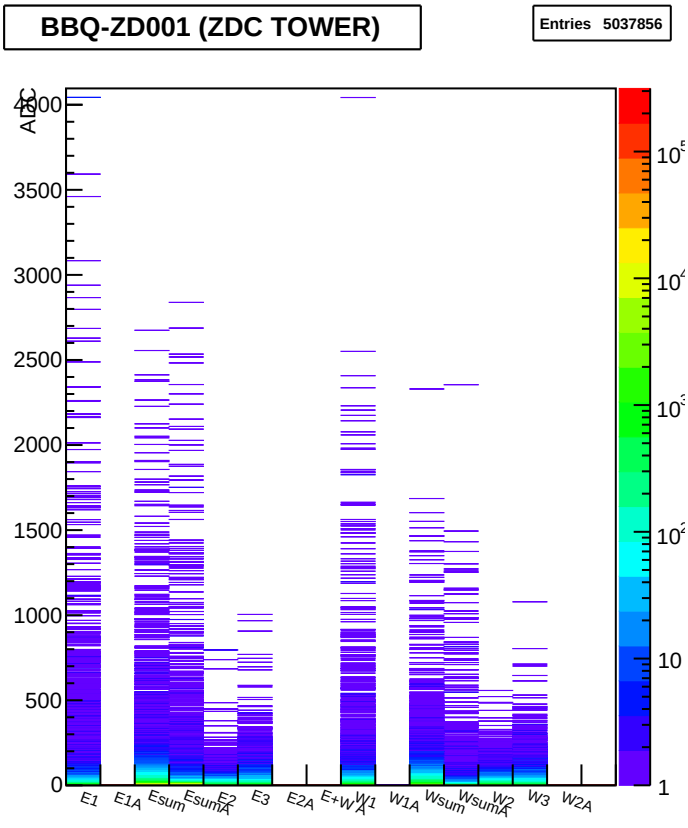

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

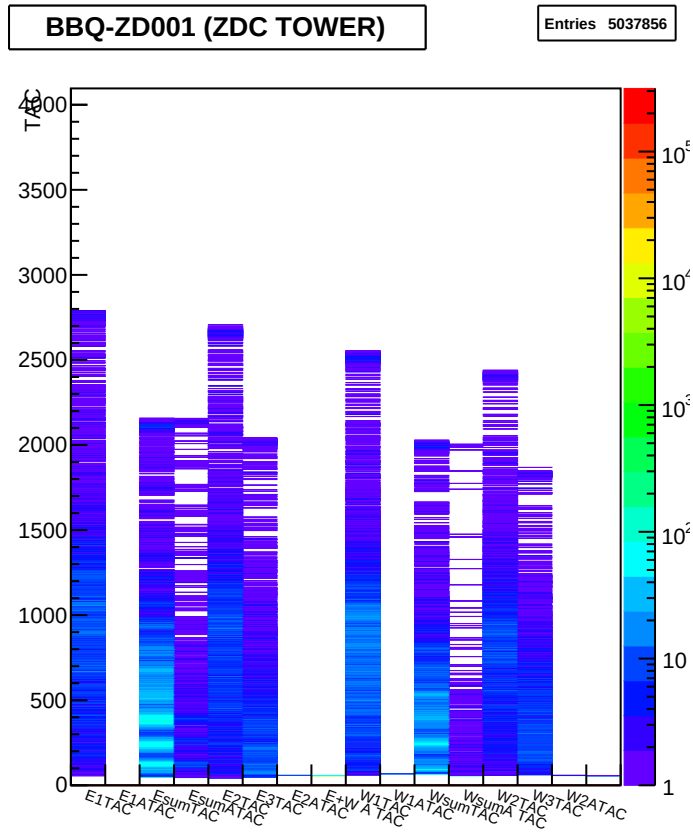

BBQ-BB001 (BBC east small tiles ADC)
Entries 5037856
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

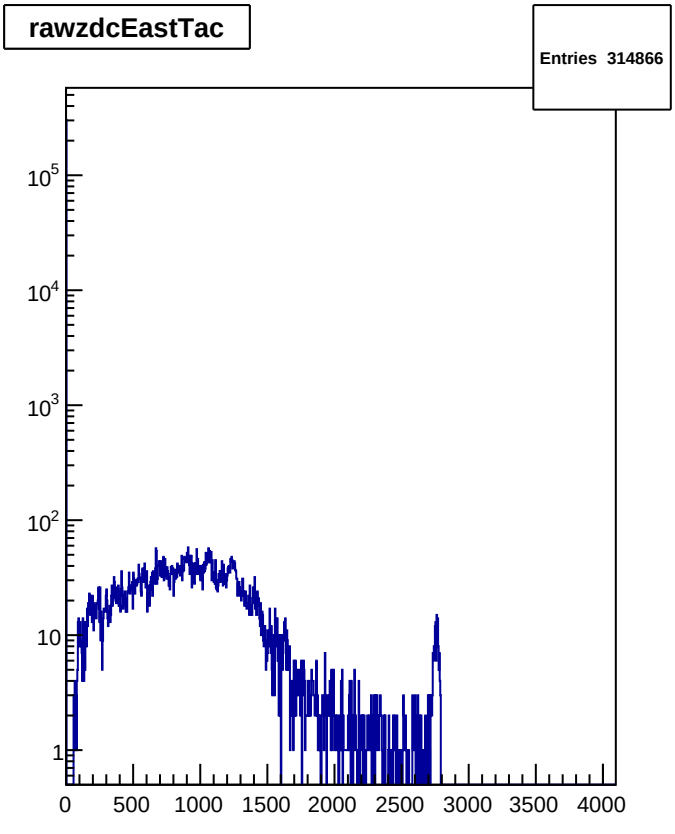

BBQ-BB001 (BBC east small tiles TAC)
Entries 5037856
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

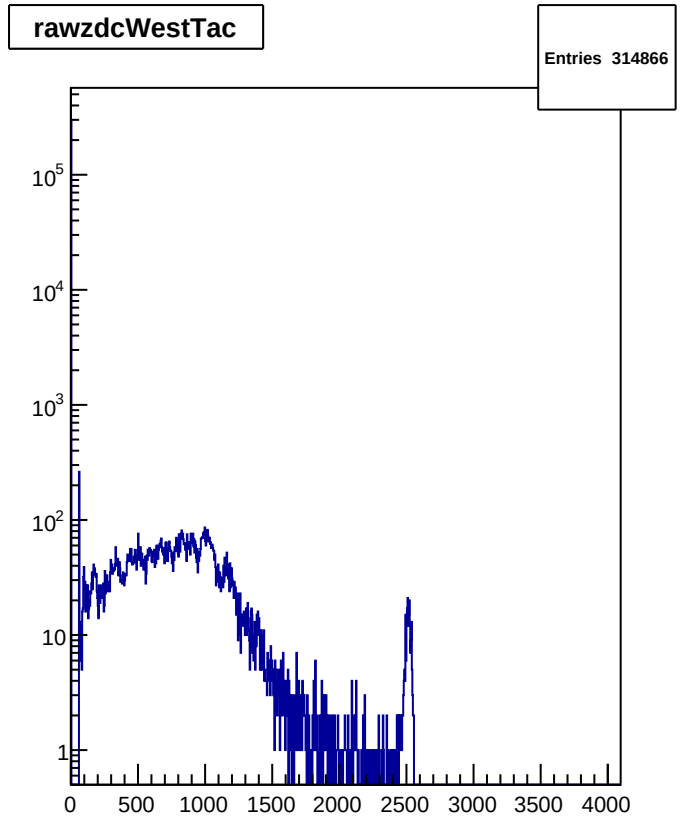

BBQ-BB002 (BBC west small tiles ADC)
Entries 5037856
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

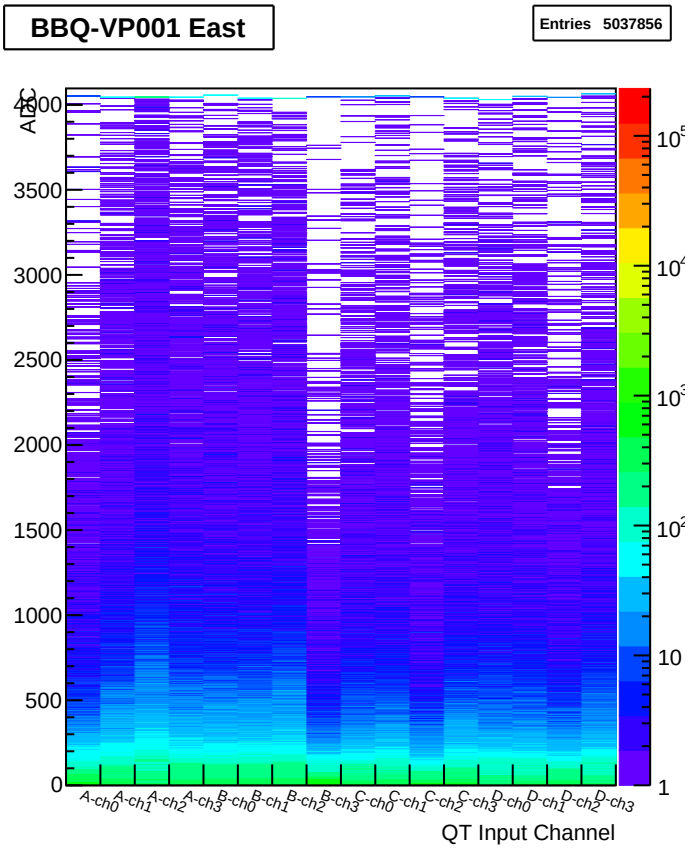

BBQ-BB002 (BBC west small tiles TAC)
Entries 5037856
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

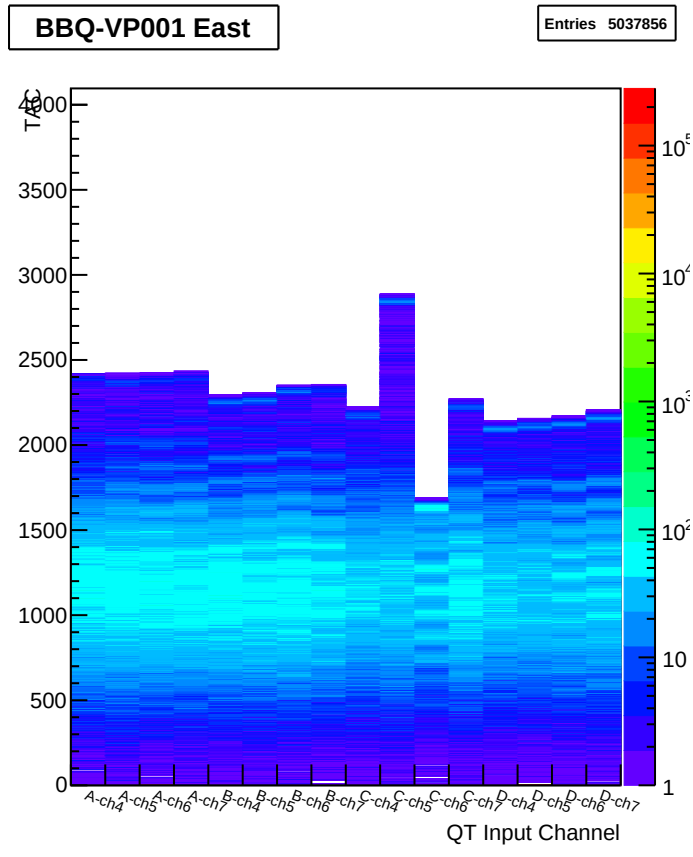

BBQ-ZD001 (ZDC TOWER)
Entries 5037856
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

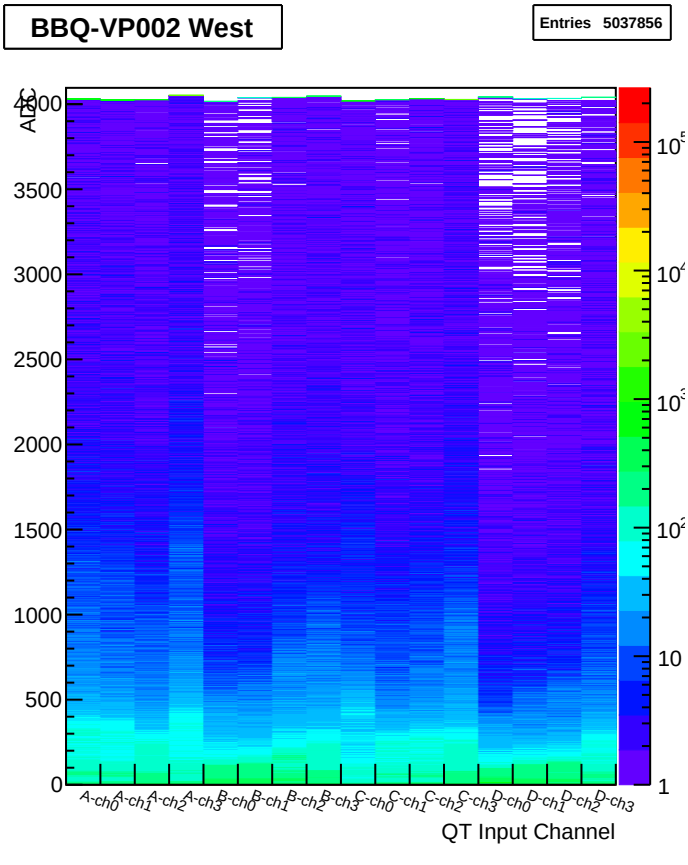

BBQ-ZD001 (ZDC TOWER)
Entries 5037856
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

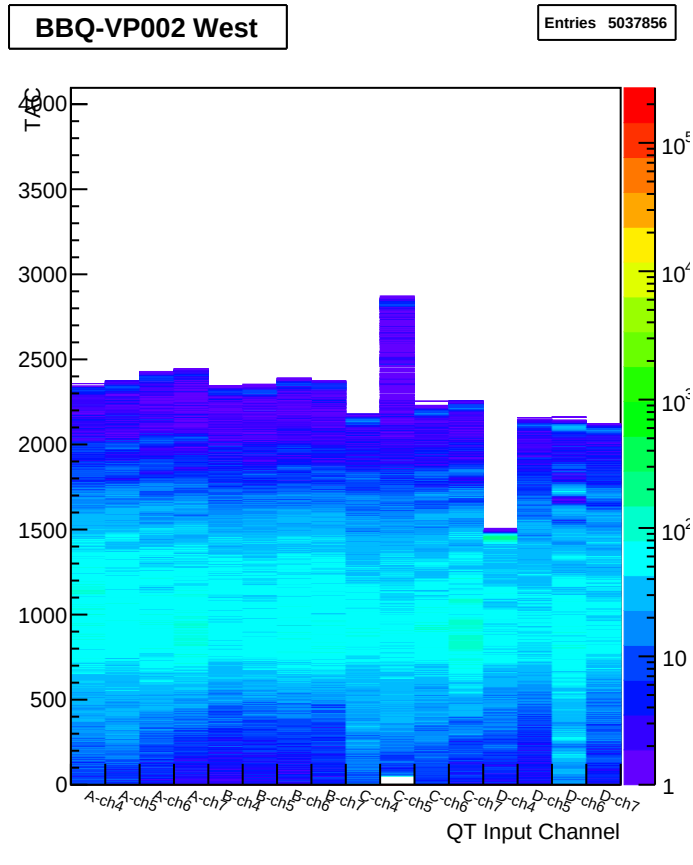

rawzdcEastTac
Entries 314866

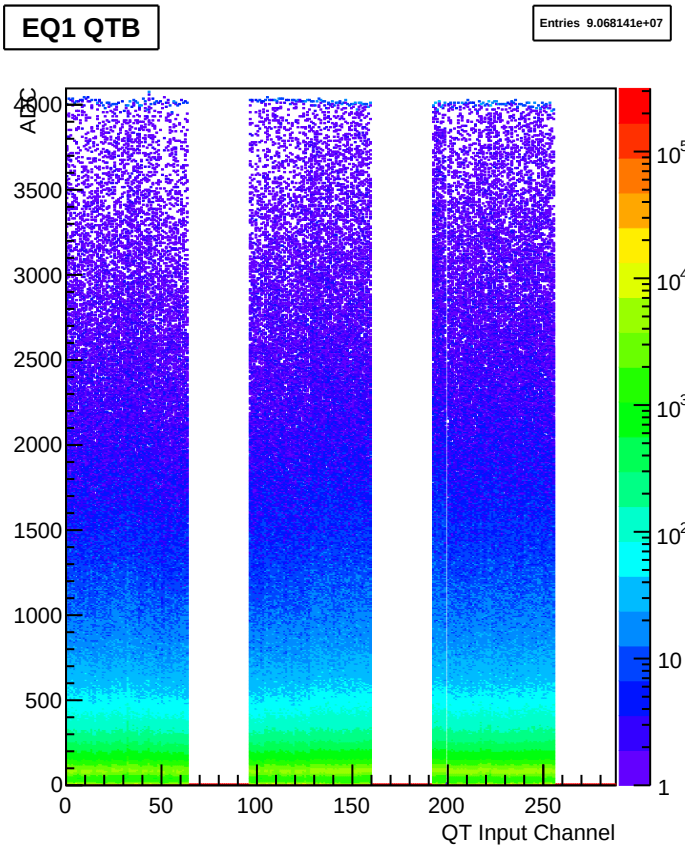

rawzdcWestTac
Entries 314866

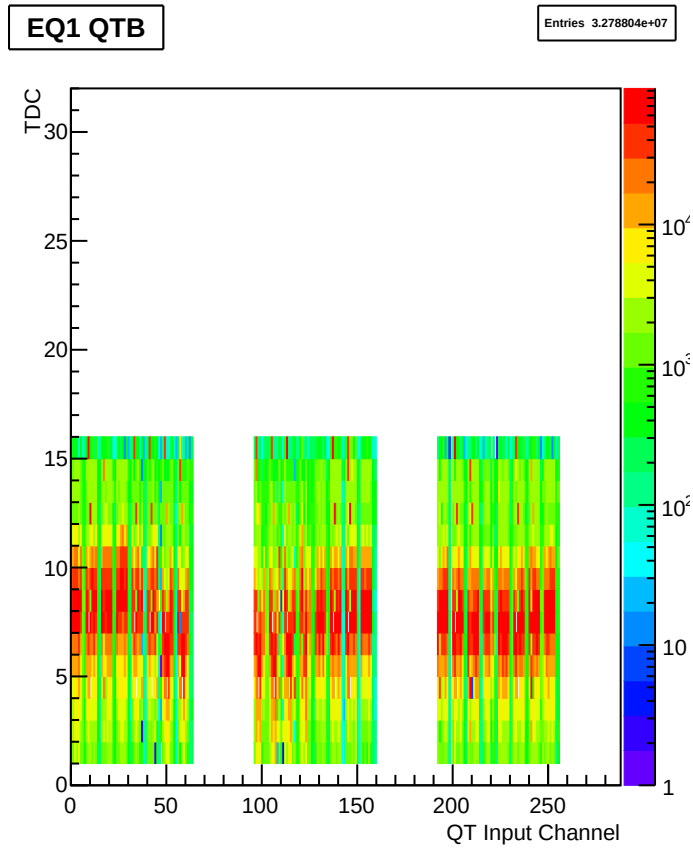

BBQ-VP001 East
Entries 5037856
ADC
QT Input Channel

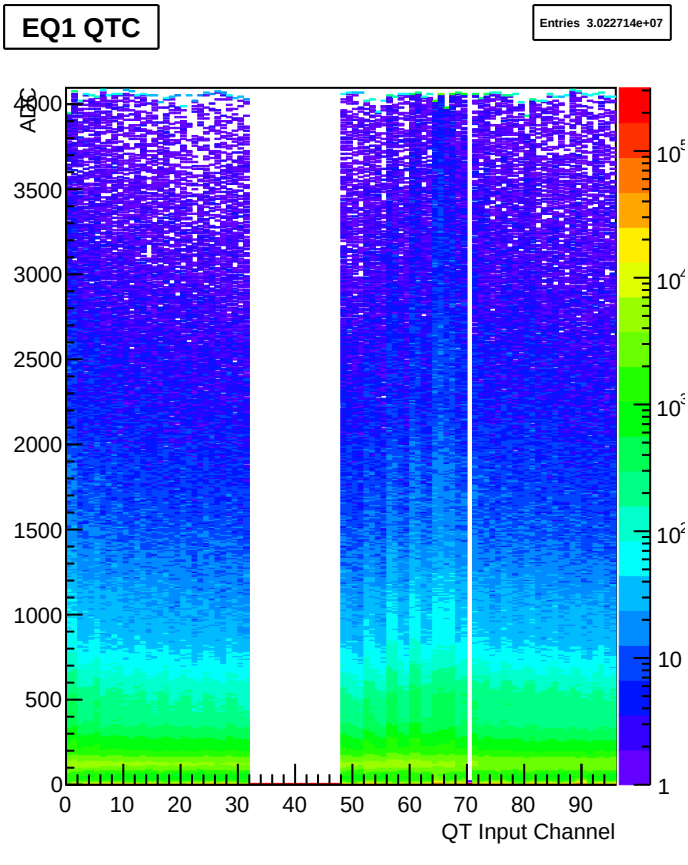

BBQ-VP001 East
Entries 5037856
TADC
QT Input Channel

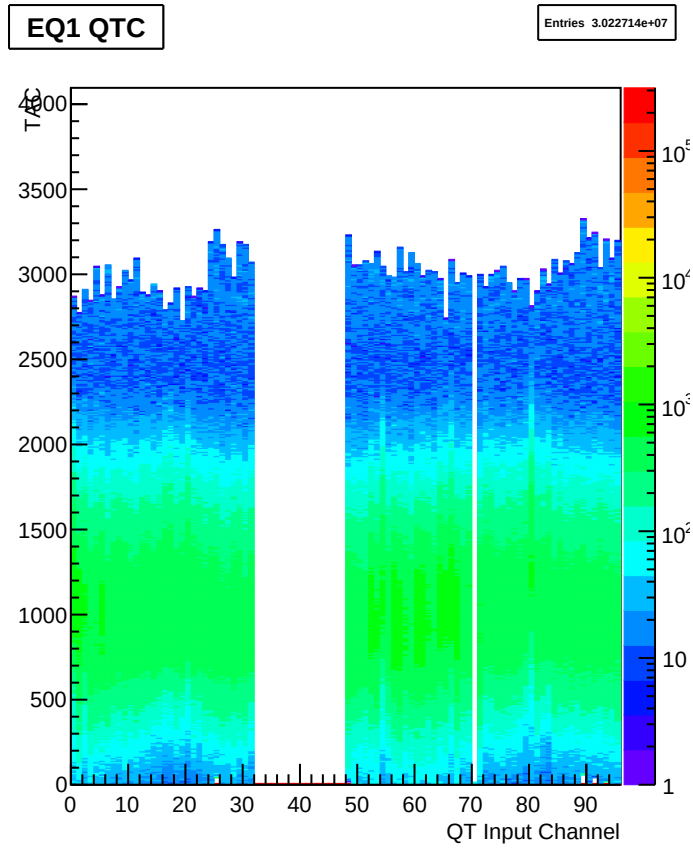

BBQ-VP002 West
Entries 5037856
ADC
QT Input Channel

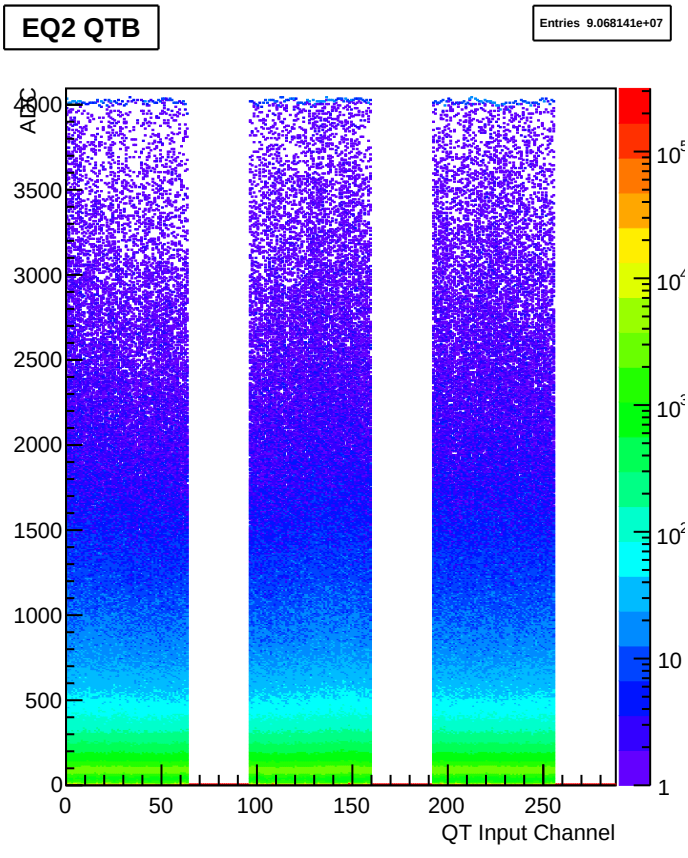

BBQ-VP002 West
Entries 5037856
TADC
QT Input Channel

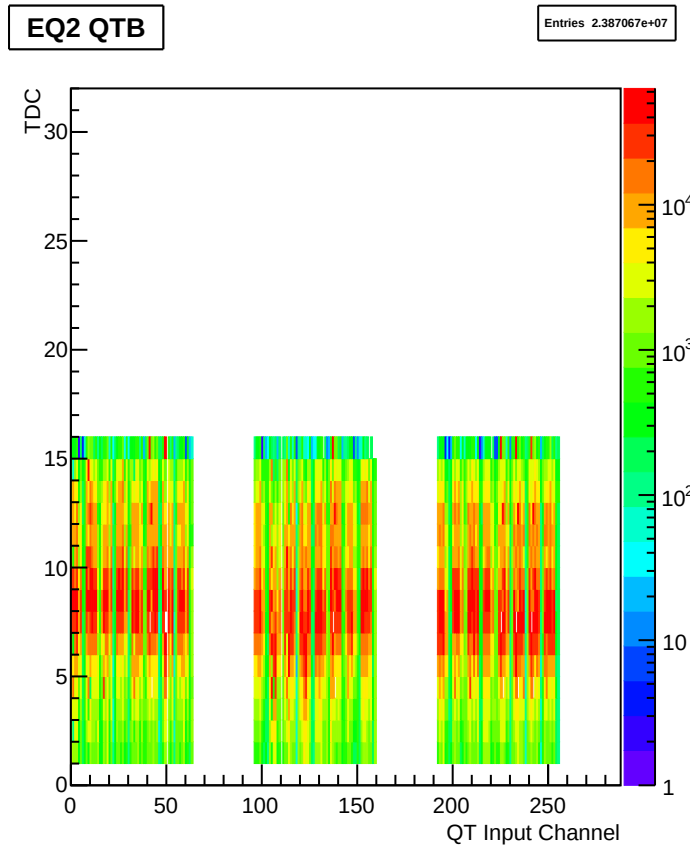

EQ1 QTB
Entries 9.068141e+07
ADC
QT Input Channel

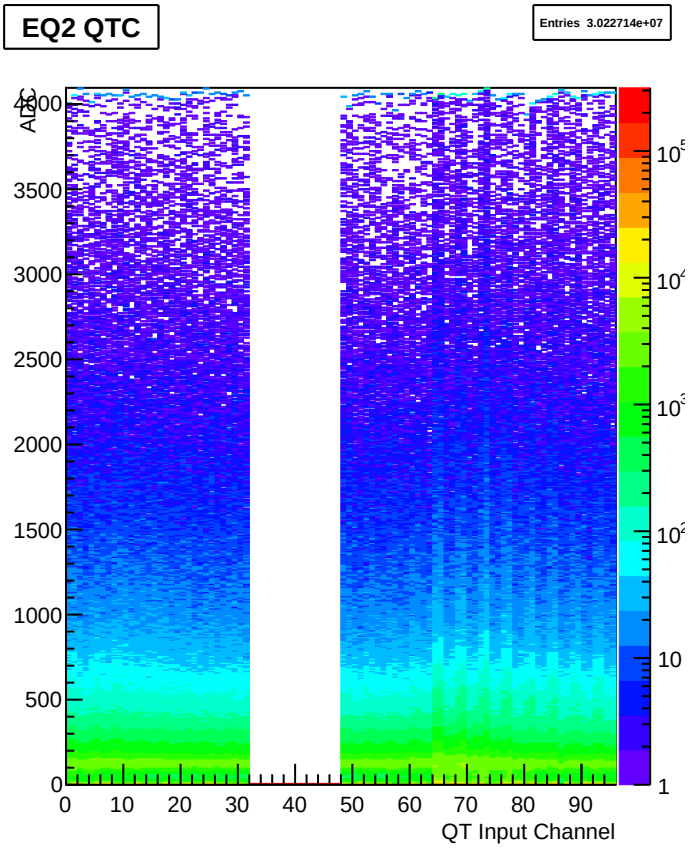

EQ1 QTB
Entries 3.278804e+07
TDC
QT Input Channel

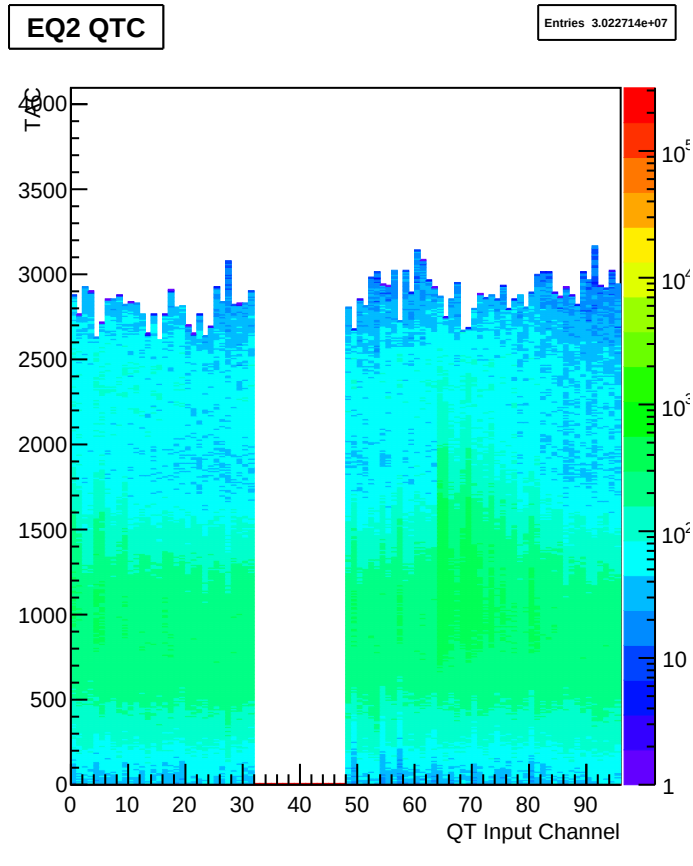

EQ1 QTC
Entries 3.022714e+07
ADC
QT Input Channel

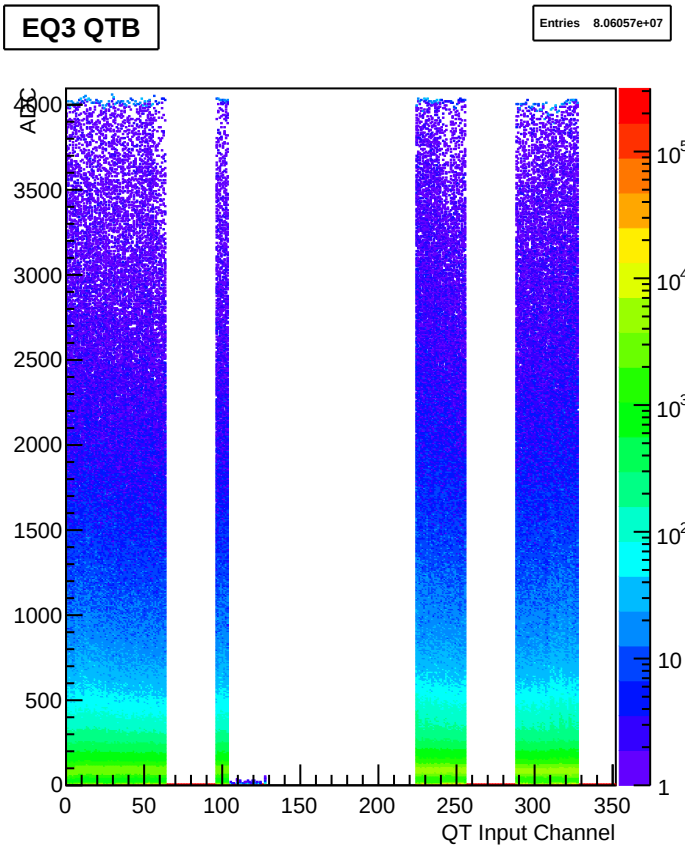

EQ1 QTC
Entries 3.022714e+07
TADC
QT Input Channel

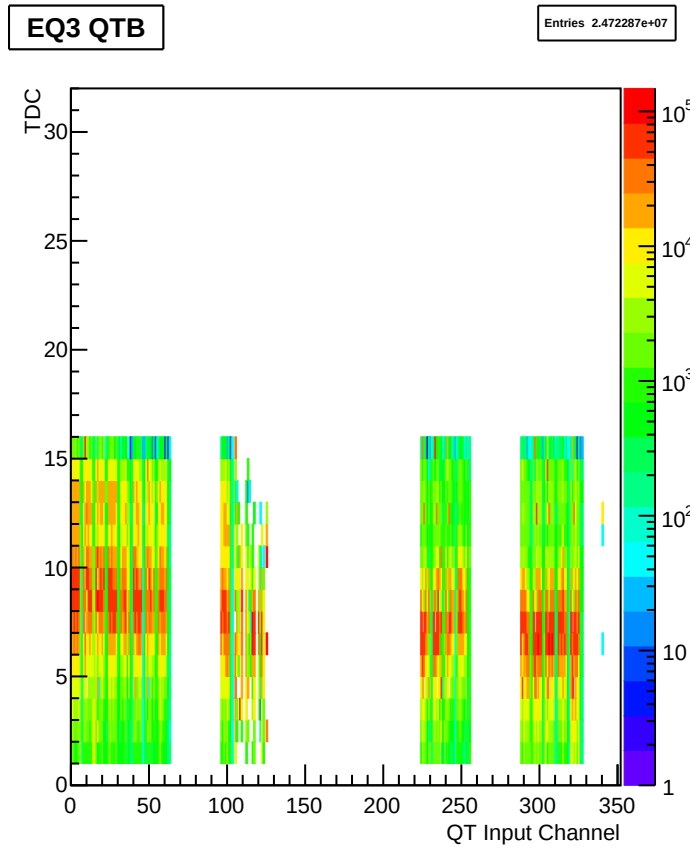

EQ2 QTB
Entries 9.068141e+07
ADC
QT Input Channel

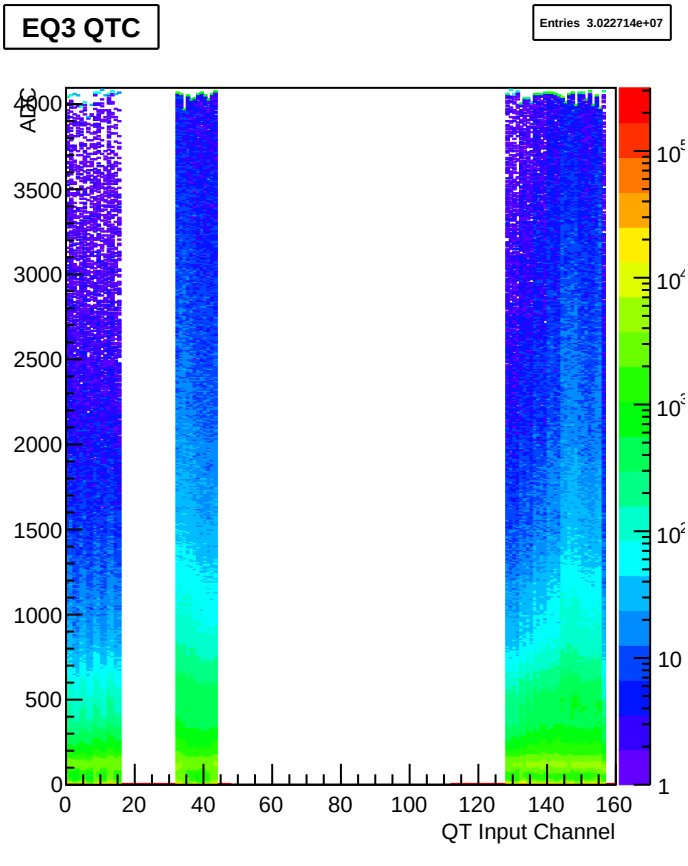

EQ2 QTB
Entries 2.387067e+07
TDC
QT Input Channel

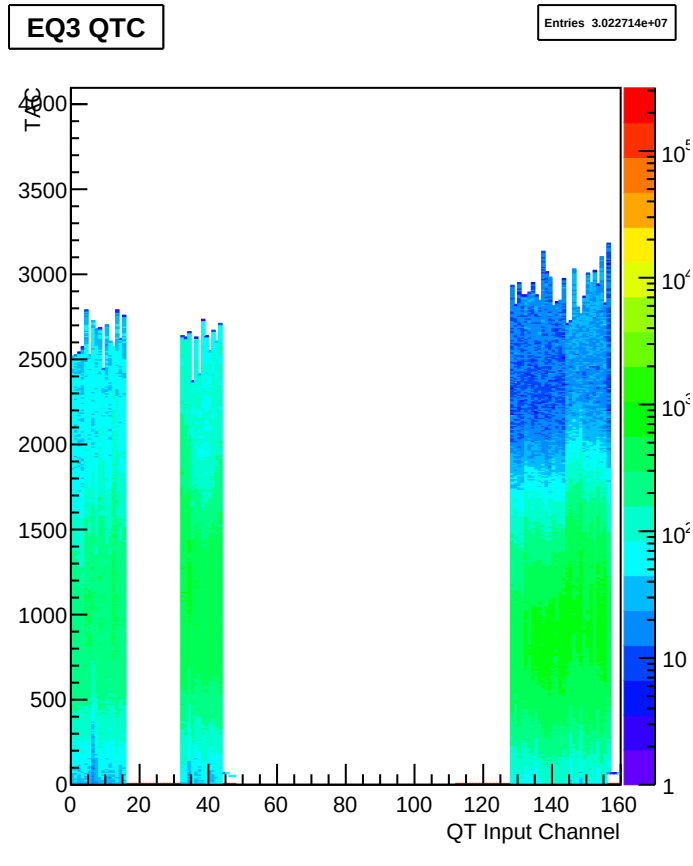

EQ2 QTC
Entries 3.022714e+07
ADC
QT Input Channel

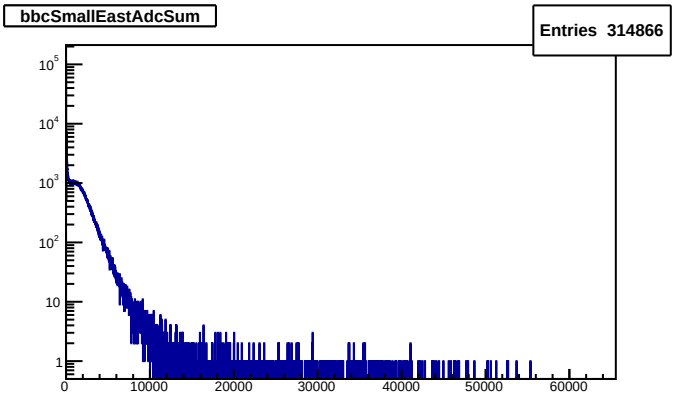

EQ2 QTC
Entries 3.022714e+07
TADC
QT Input Channel

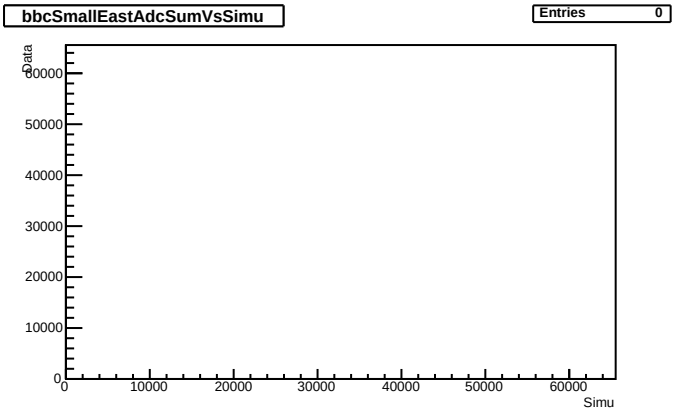

EQ3 QTB
Entries 8.06057e+07
ADC
QT Input Channel

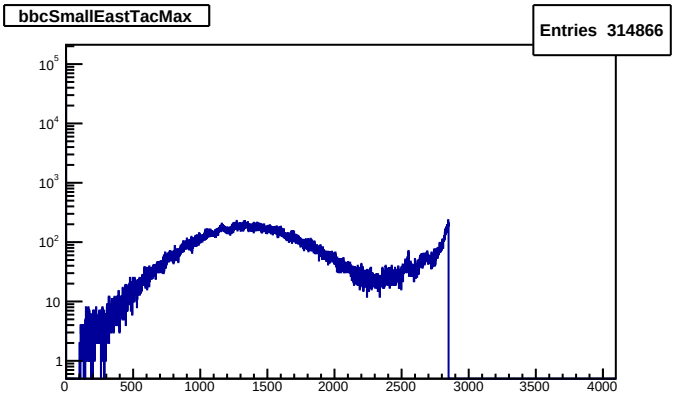

EQ3 QTB
Entries 2.472287e+07
TDC
QT Input Channel

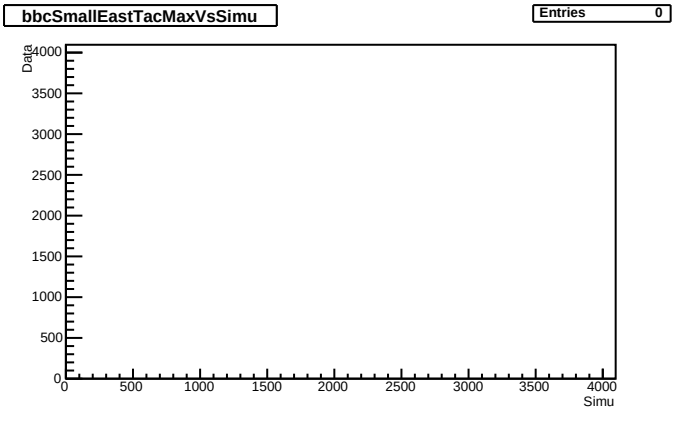

EQ3 QTC
Entries 3.022714e+07
ADC
QT Input Channel


EQ3 QTC
Entries 3.022714e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 314866


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 314866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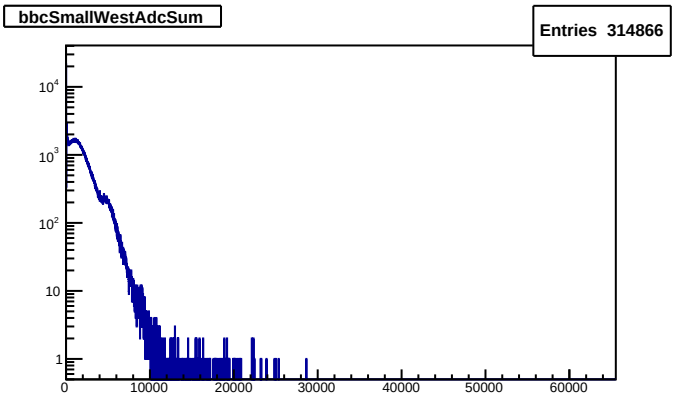
Simu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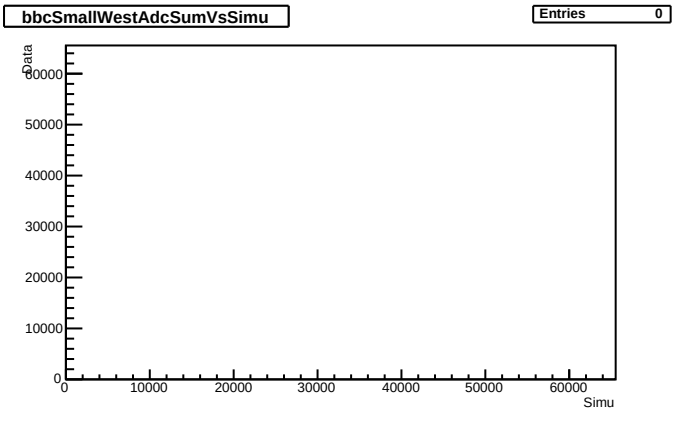
Entries 314866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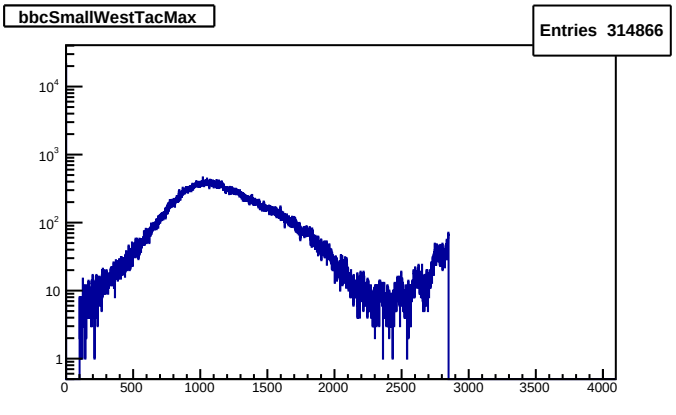
Simu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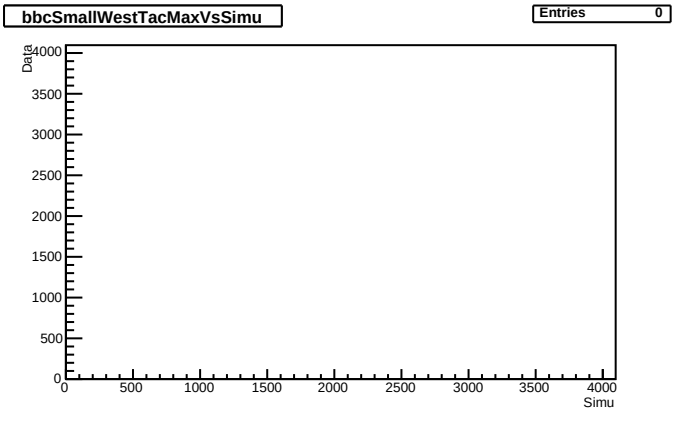
Entries 314866


bbcSmallWestTacMaxVsSimu
Entries 0
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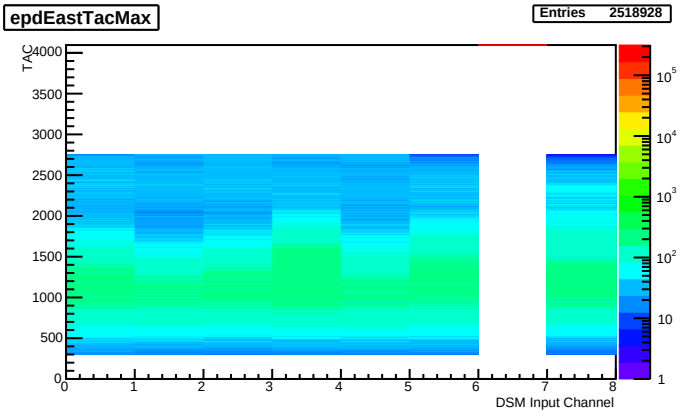
Simu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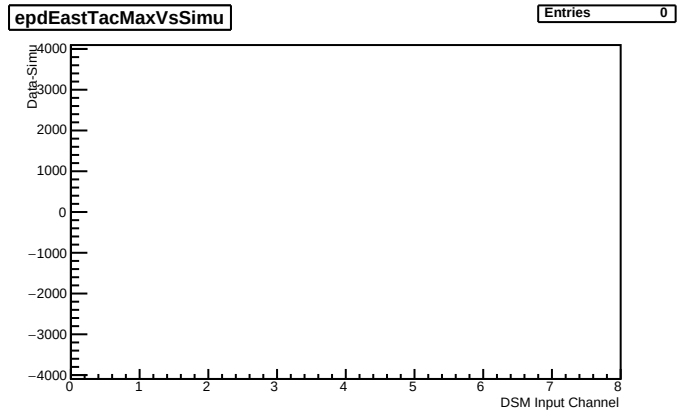
Entries 2518928
TAC
DSM Input Channel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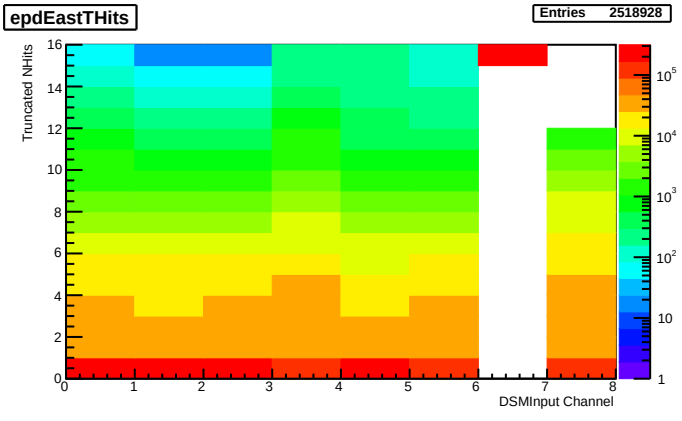
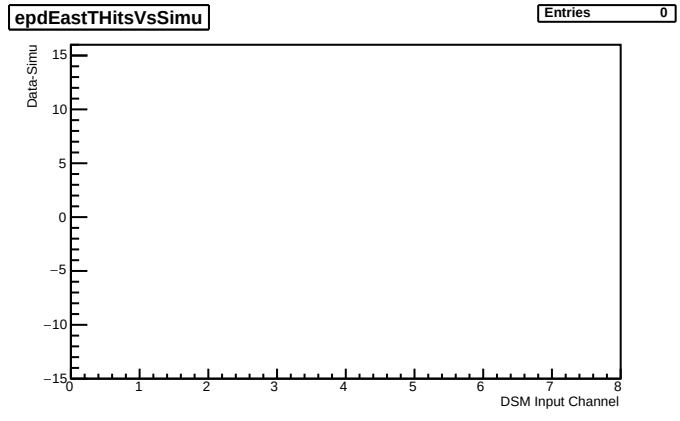
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 2518928
Truncated NHits
DSMInput Channel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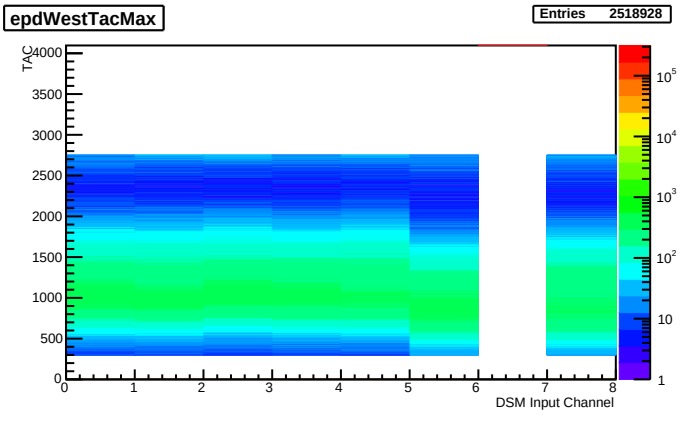
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Entries 2518928
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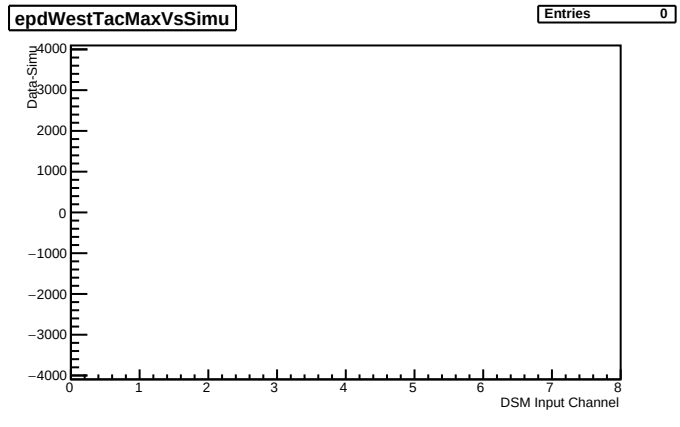
DSM Input Channel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Entries 0
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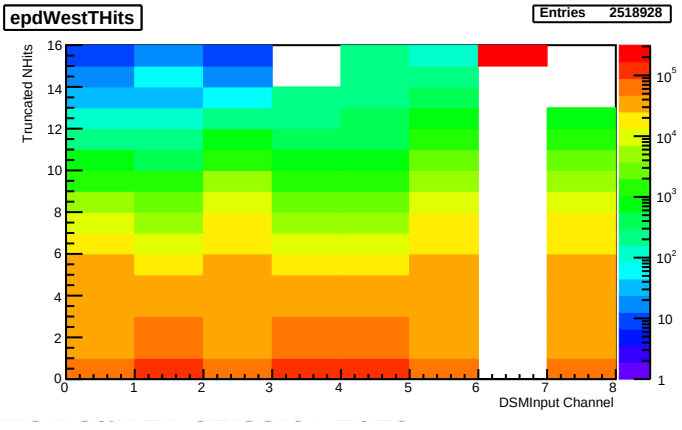
DSM Input Channel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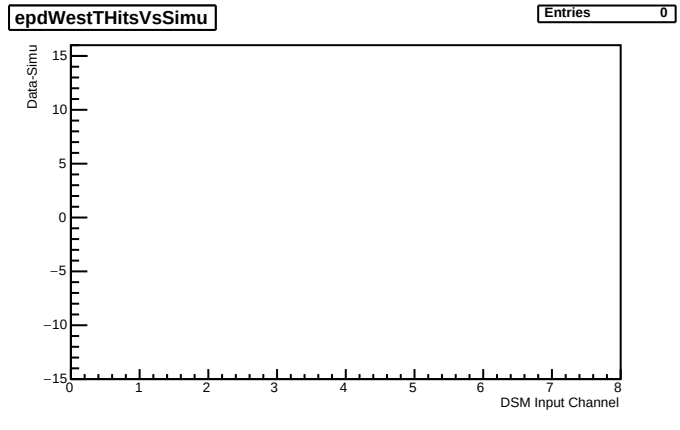
Entries 2518928
Truncated NHits
DSMInput Channel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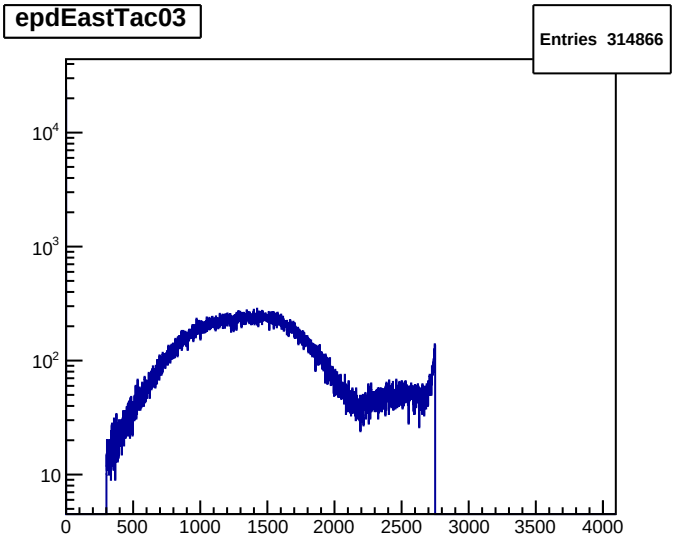
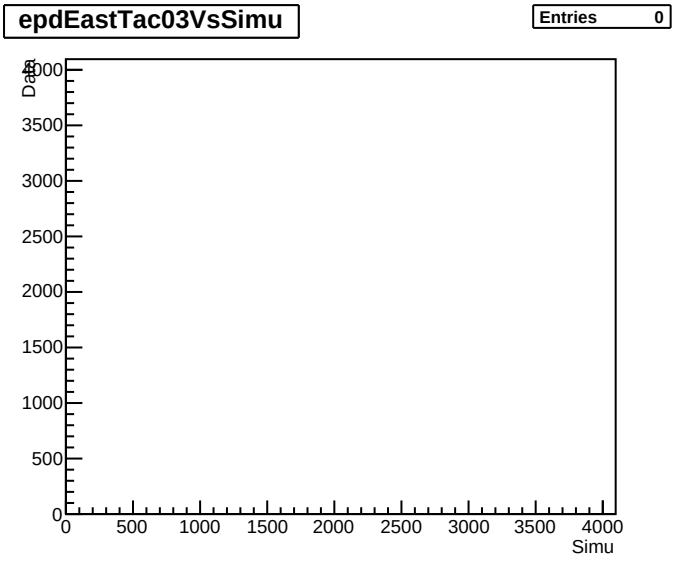
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 314866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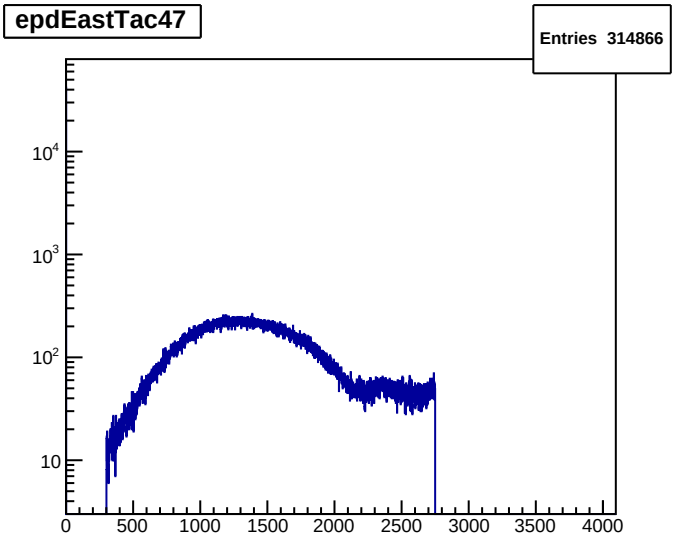
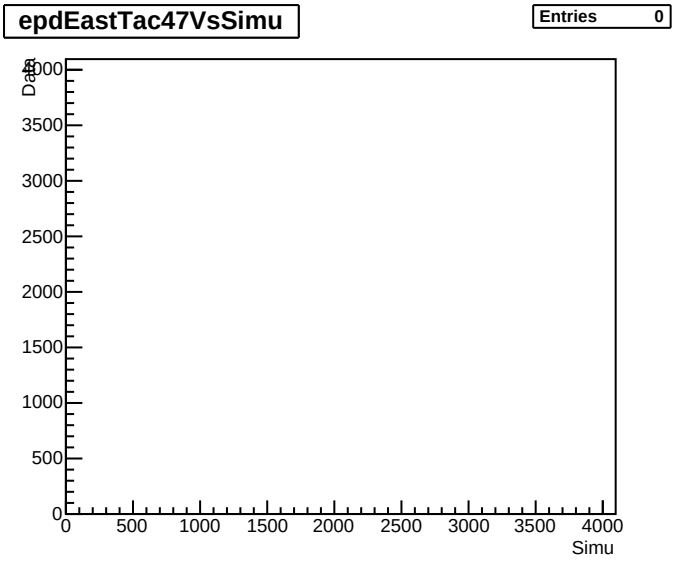
Entries 0
Data
Simu


epdEastTac47
Entries 314866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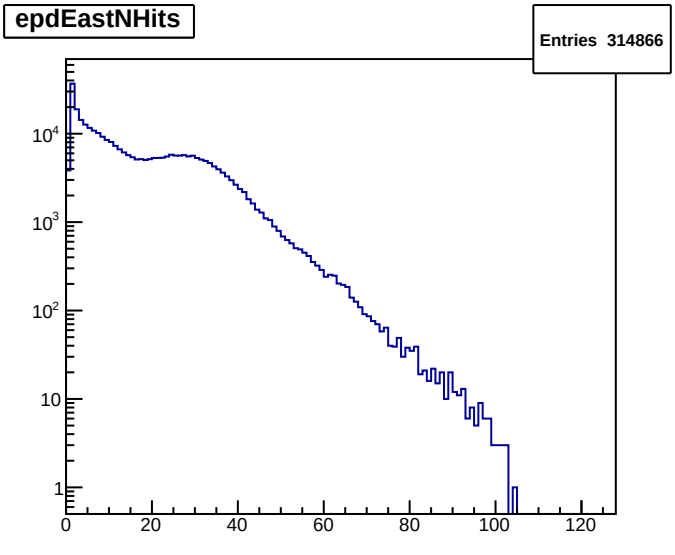
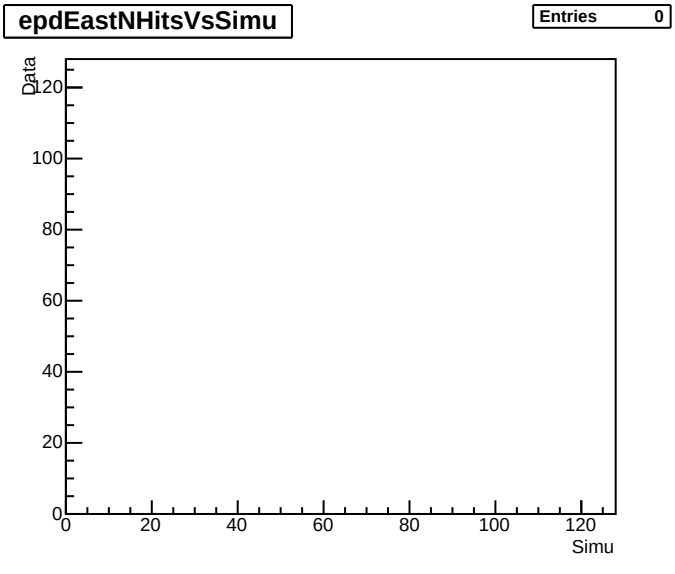
Entries 0
Data
Simu


epdEastNHits
Entries 314866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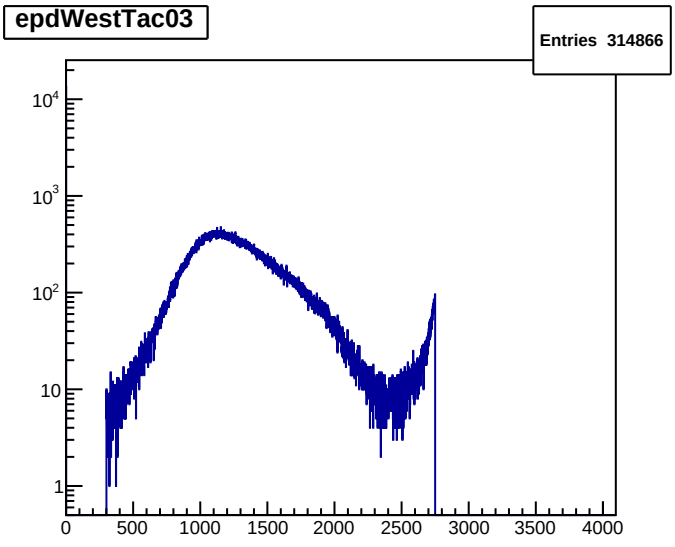
Entries 0
Data
Simu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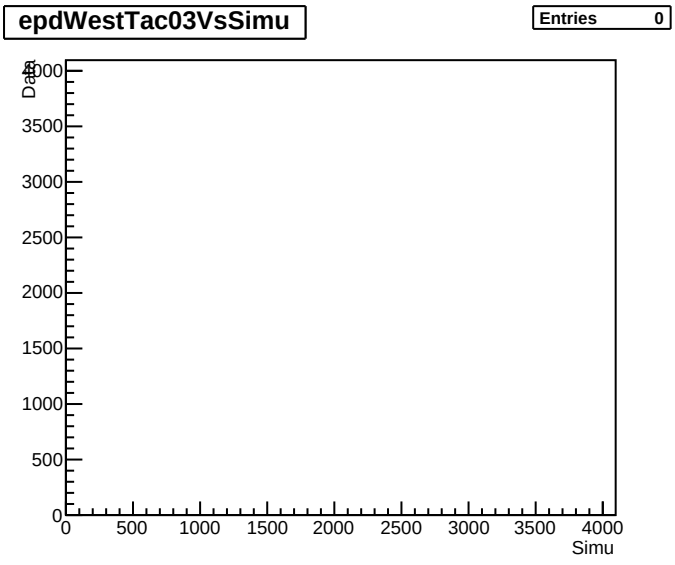
Entries 314866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Entries 0
Data
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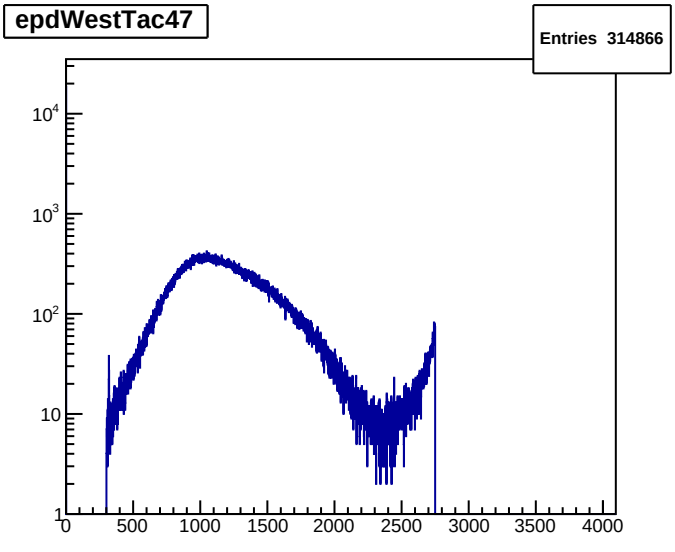
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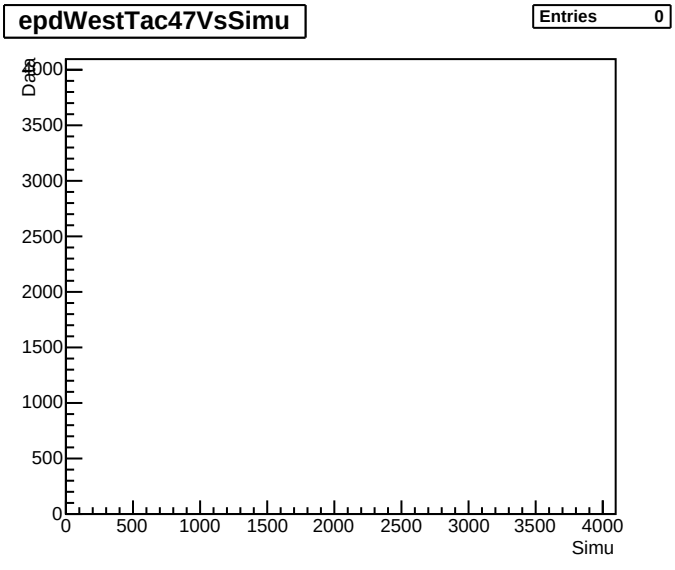
Entries 314866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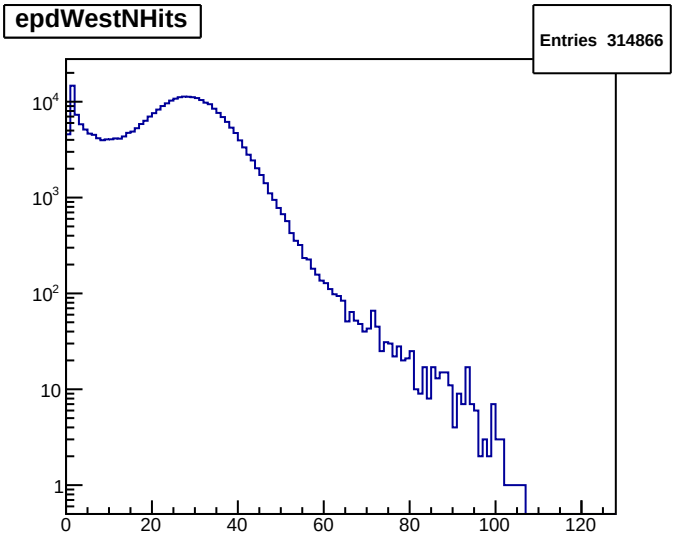
Entries 0
Data
Simu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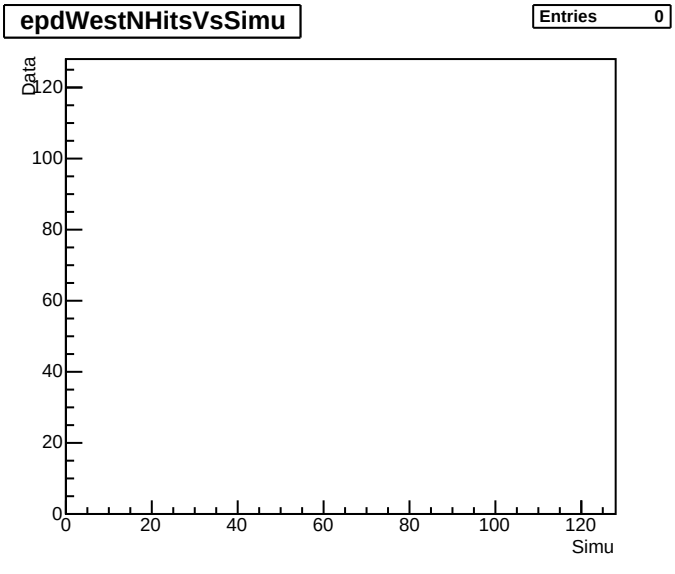
Entries 314866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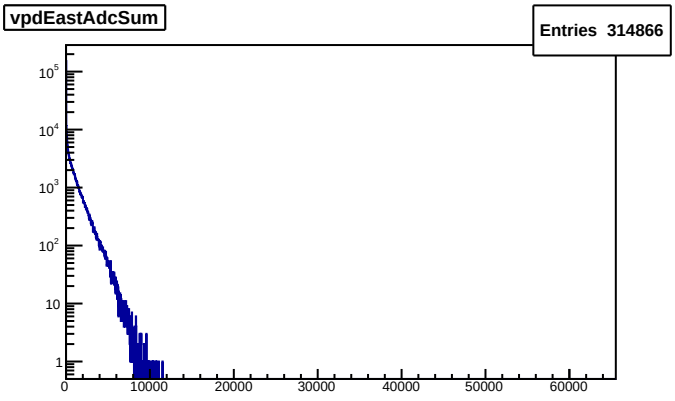
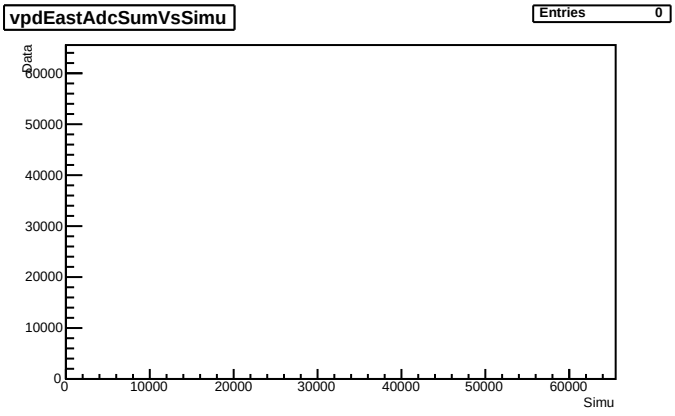
Entries 0
Data
Simu


vpdEastAdcSum
Entries 314866


vpdEastAdcSumVsSimu
Entries 0
Data
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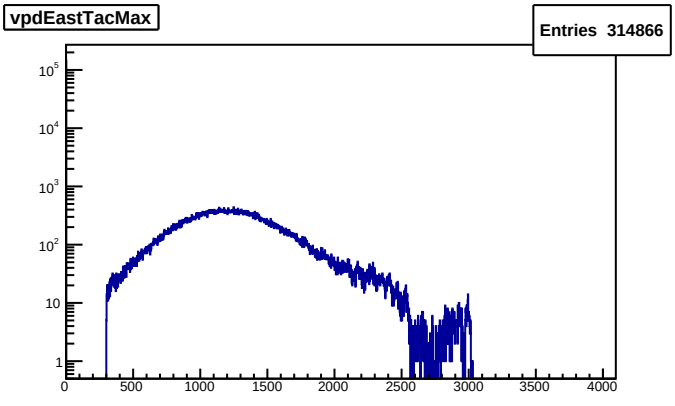
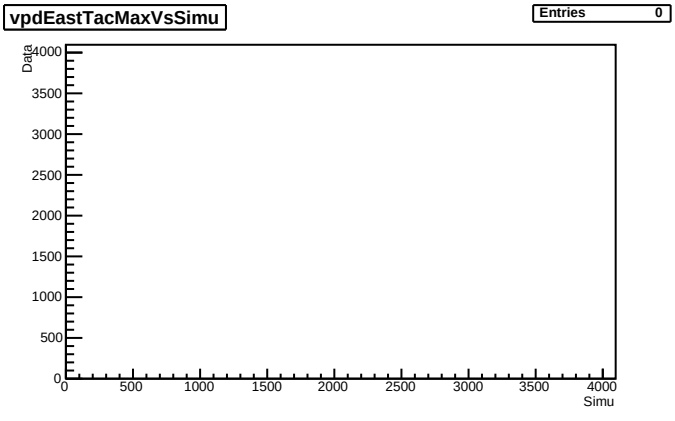

vpdEastTacMax
Entries 314866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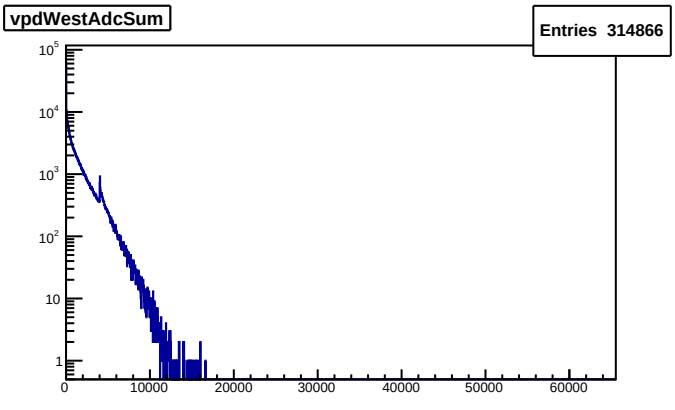
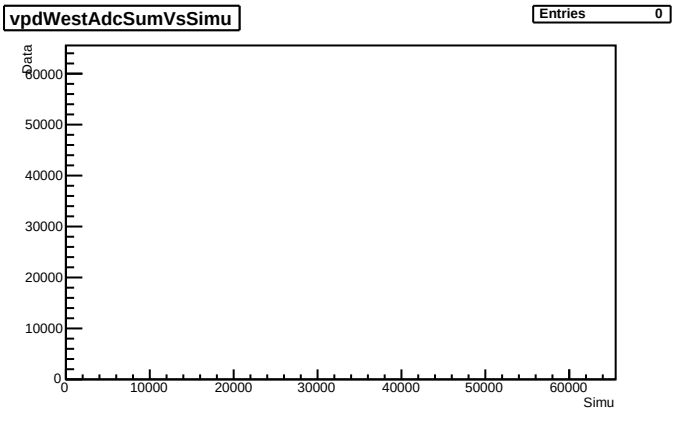
Entries 0
Data
Simu


vpdWestAdcSum
Entries 314866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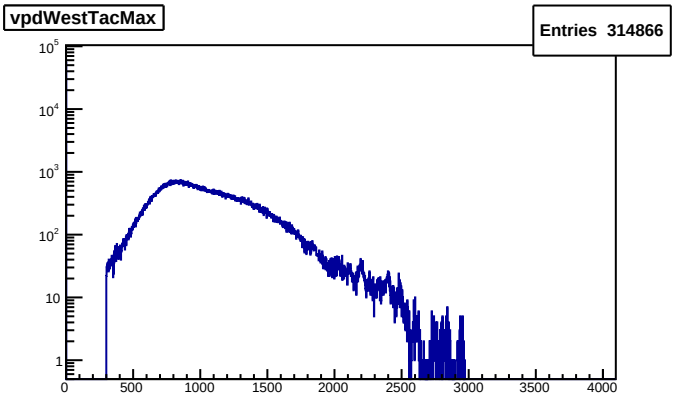
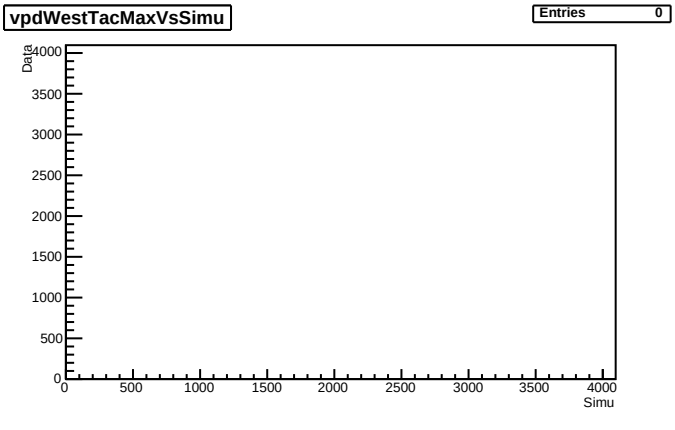
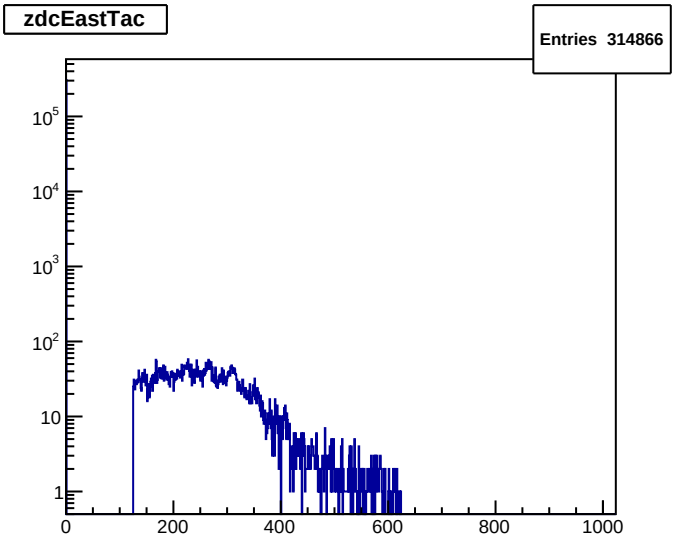
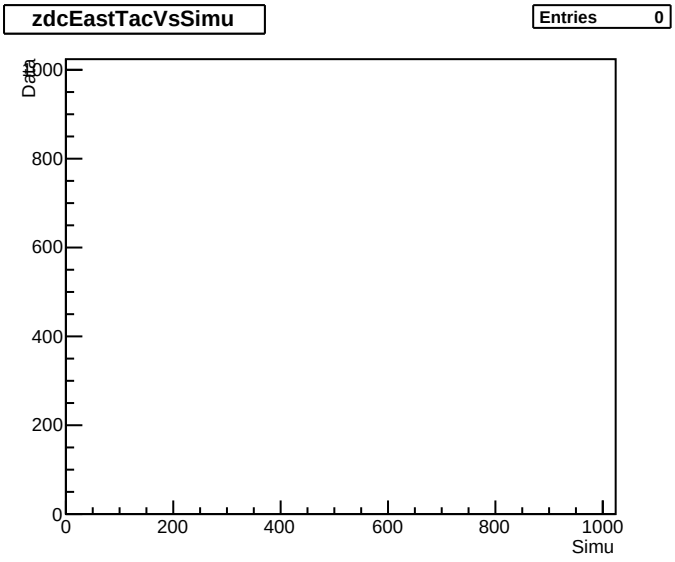
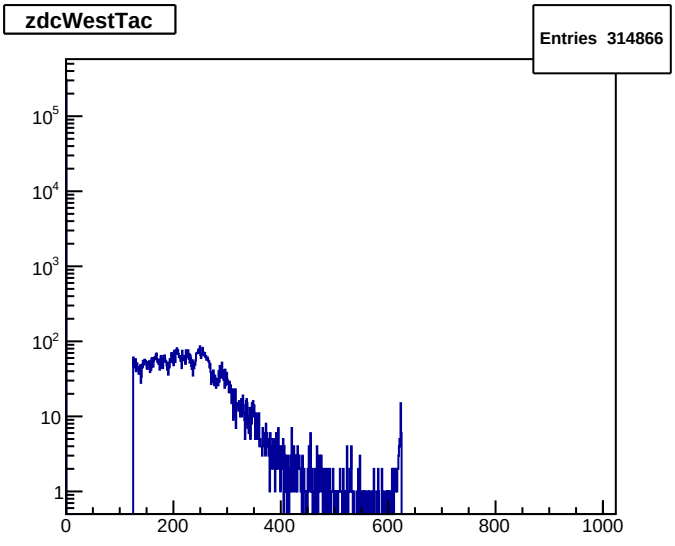
Entries 0
Data
Simu

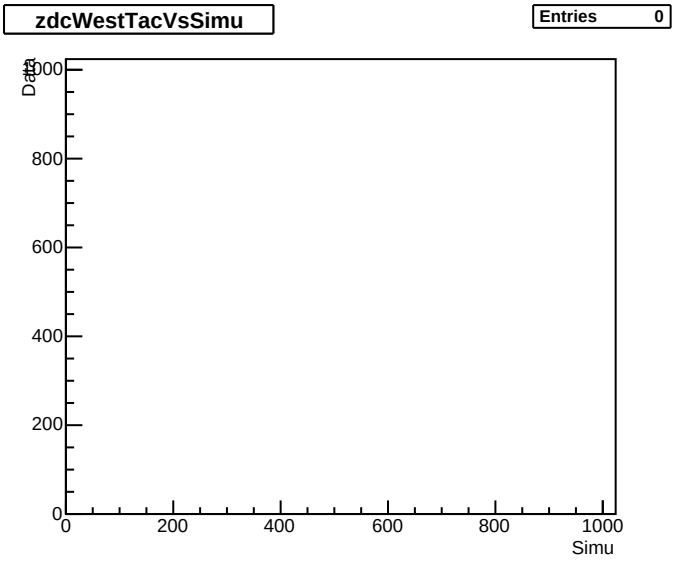

vpdWestTacMax
Entries 314866

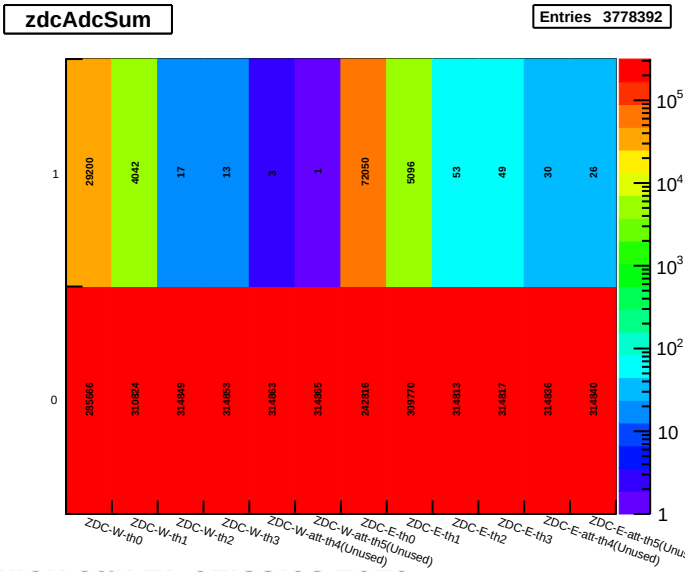

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

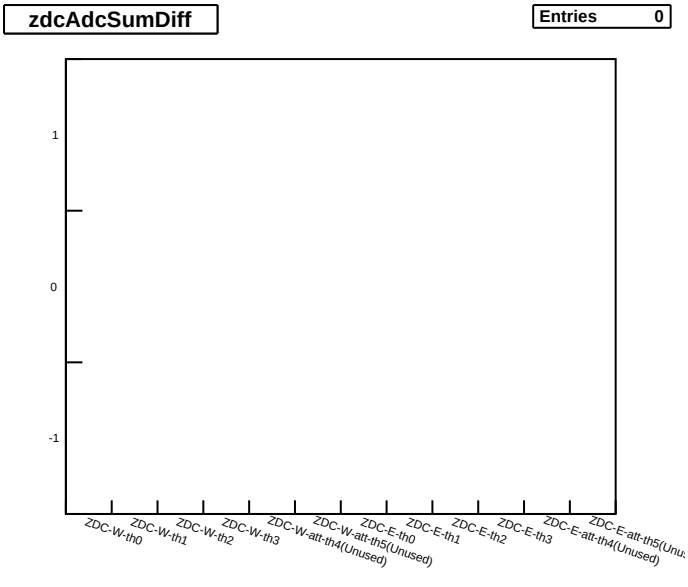

zdcEastTac
Entries 314866
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

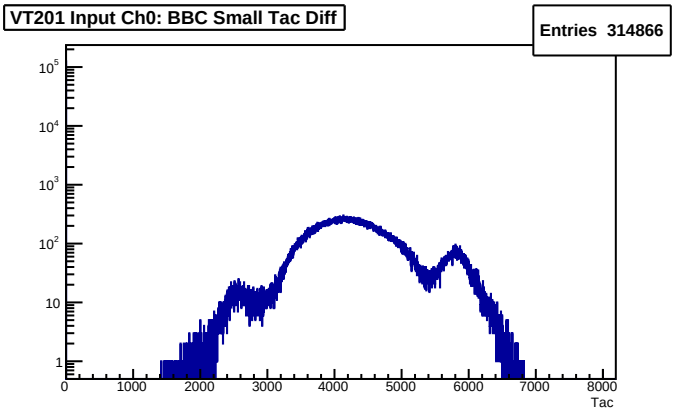

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

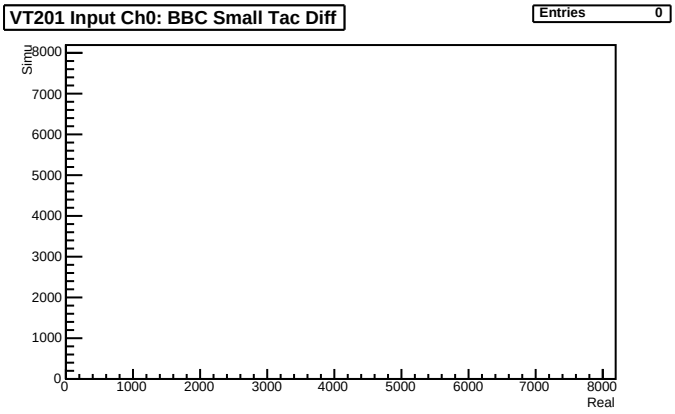

zdcWestTac
Entries 314866
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

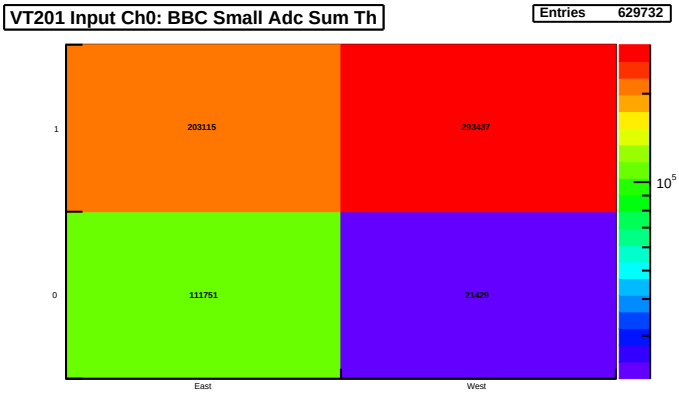

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

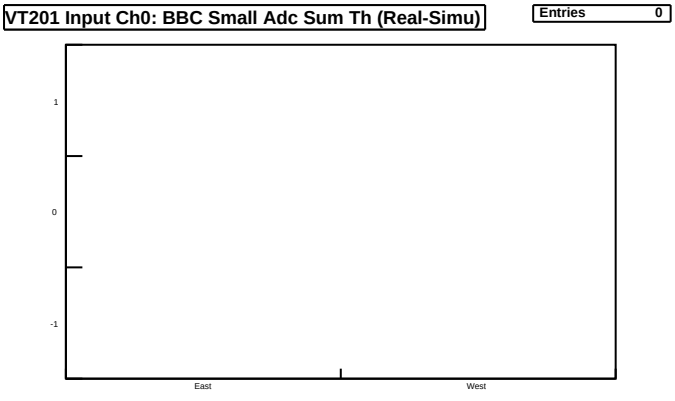

zdcAdcSum
Entries 3778392
1
0
29200
4042
17
13
3
1
72050
5096
53
49
30
26
285666
310824
314849
314853
314863
314865
242816
309770
314813
314817
314836
314840
10^5
10^4
10^3
10^2
10
1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

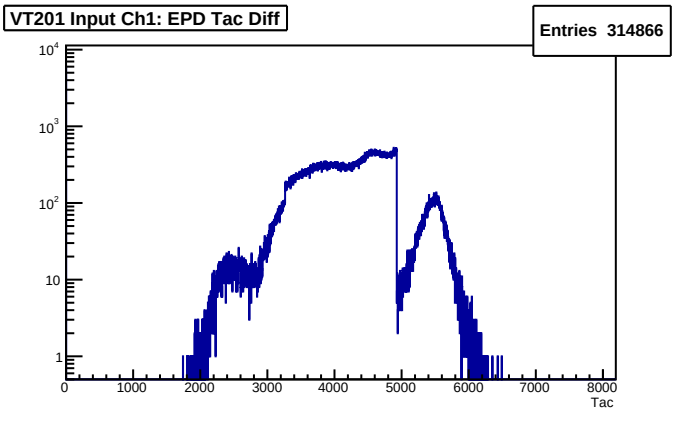

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

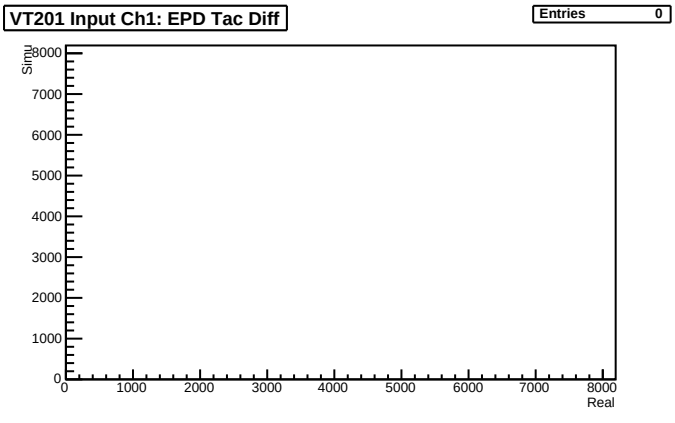

VT201 Input Ch0: BBC Small Tac Diff
Entries 314866
Tac

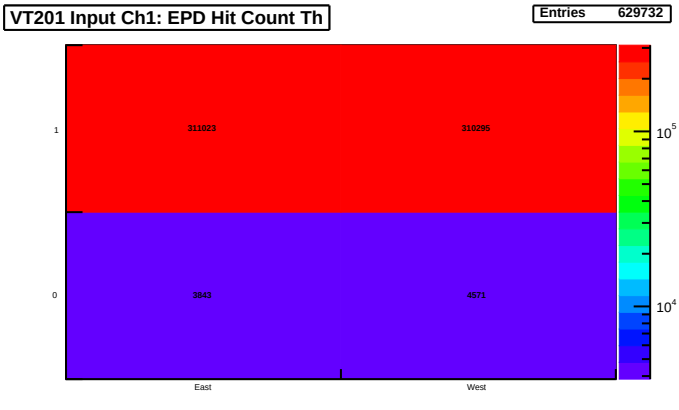

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

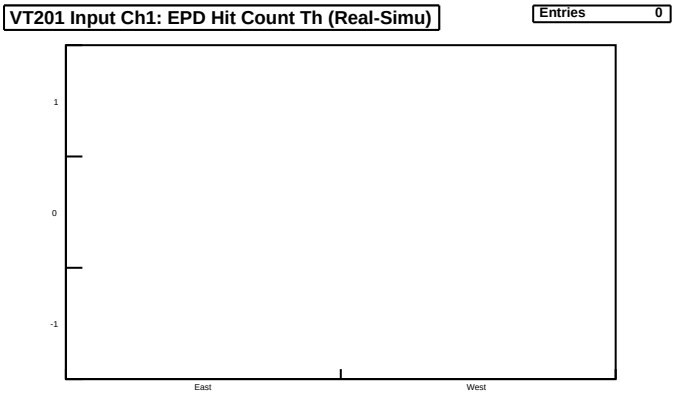

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 629732
203115
293437
111751
21429
East
West

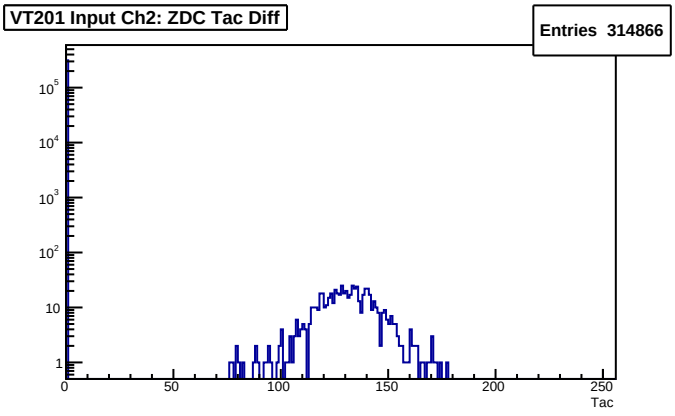

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

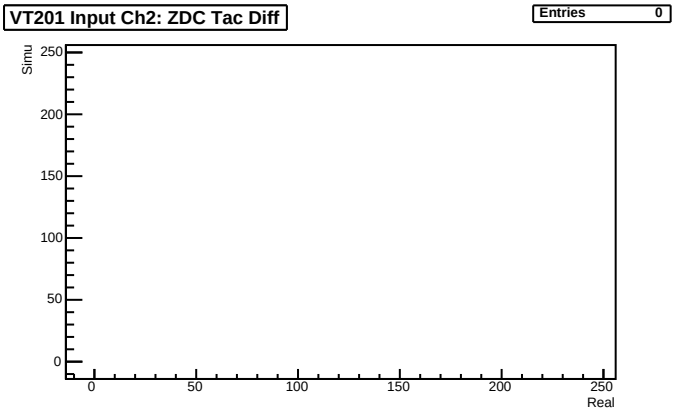

VT201 Input Ch1: EPD Tac Diff
Entries 314866
Tac

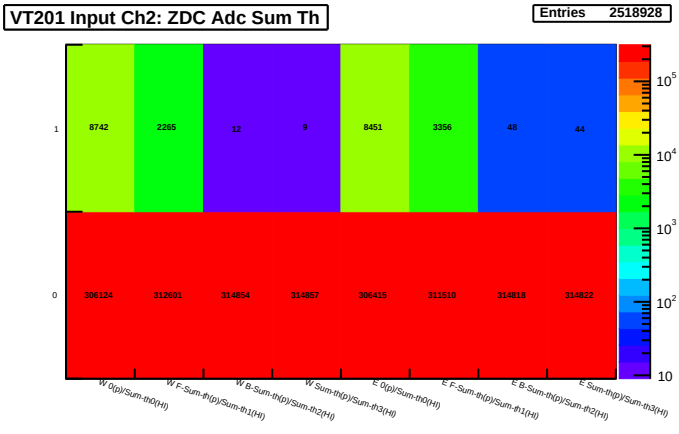

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

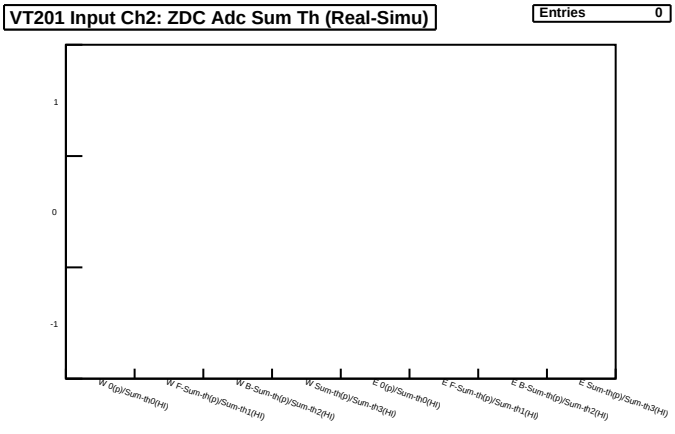

VT201 Input Ch1: EPD Hit Count Th
Entries 629732
311023
310295
3843
4571
East
West

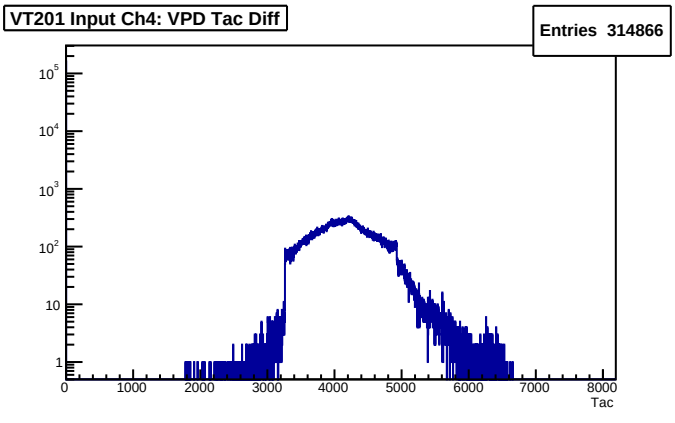

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

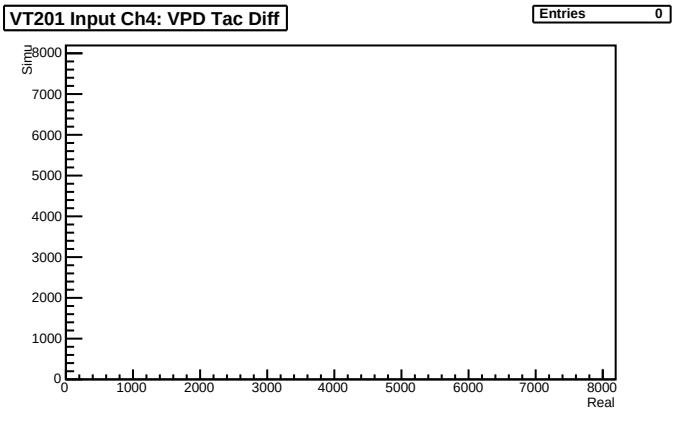

VT201 Input Ch2: ZDC Tac Diff
Entries 314866
Tac

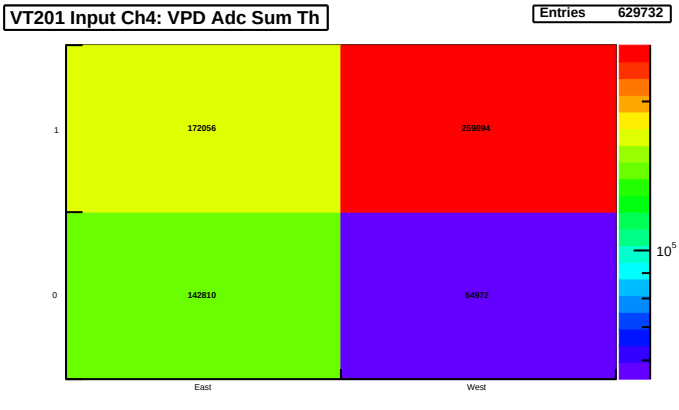

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

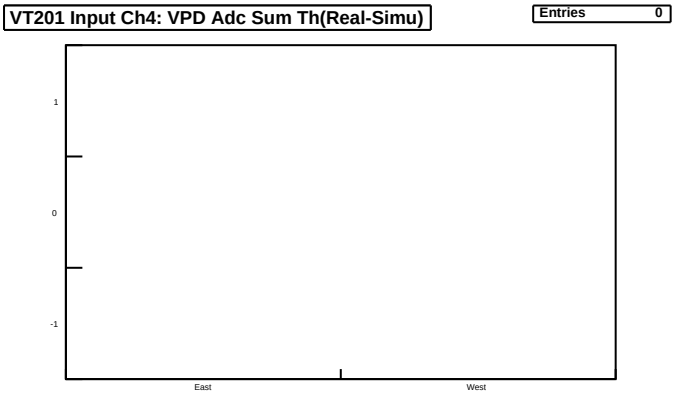

VT201 Input Ch2: ZDC Adc Sum Th
Entries 2518928
8742
2265
12
9
8451
3356
48
44
306124
312601
314854
314857
306415
311510
314818
314822
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

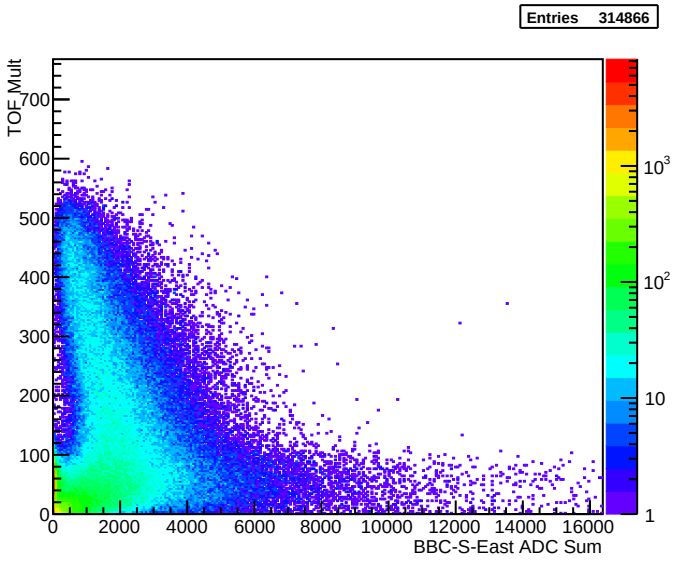

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

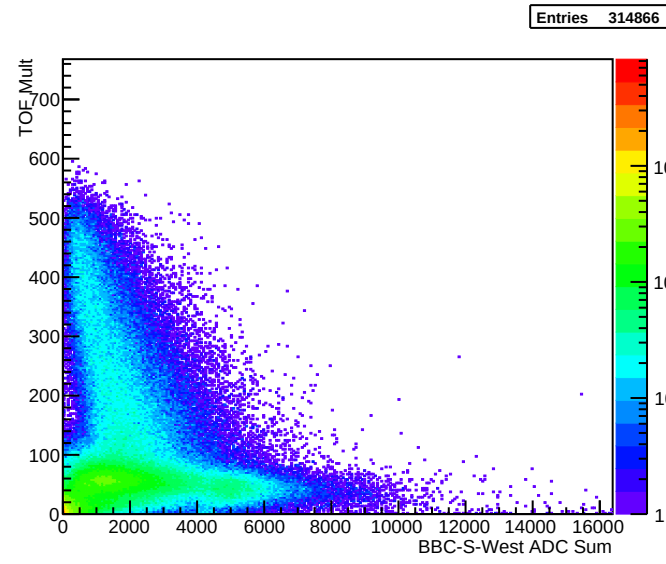

VT201 Input Ch4: VPD Tac Diff
Entries 314866
Tac

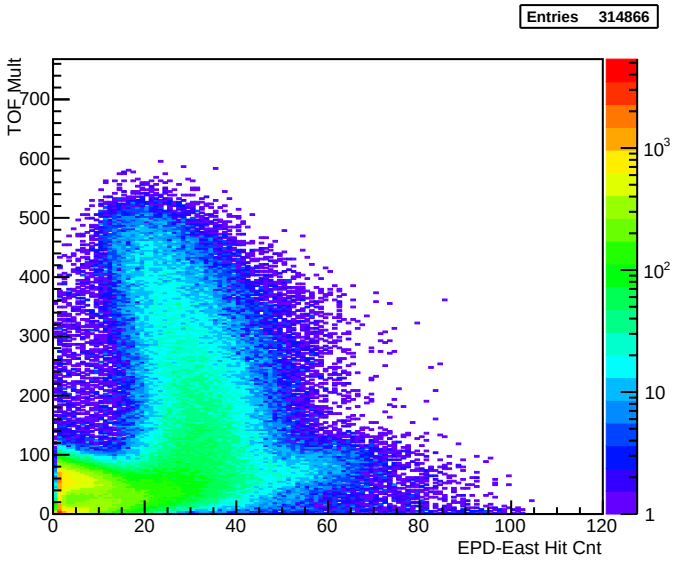

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

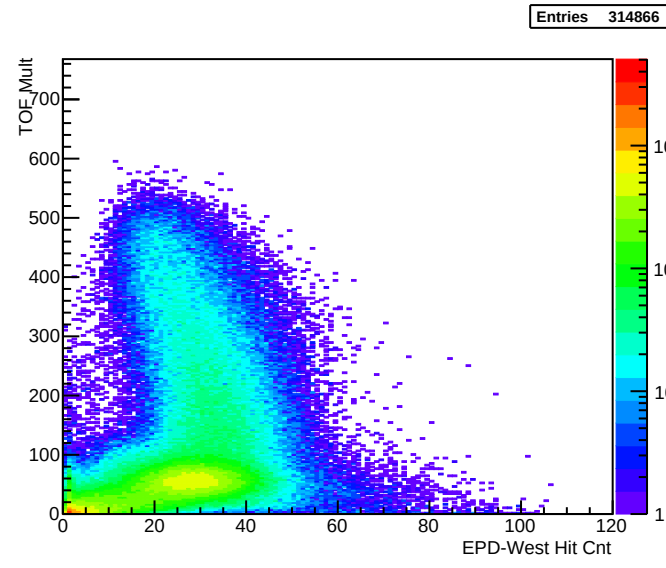

VT201 Input Ch4: VPD Adc Sum Th
Entries 629732
172056
259994
142810
54972
East
West

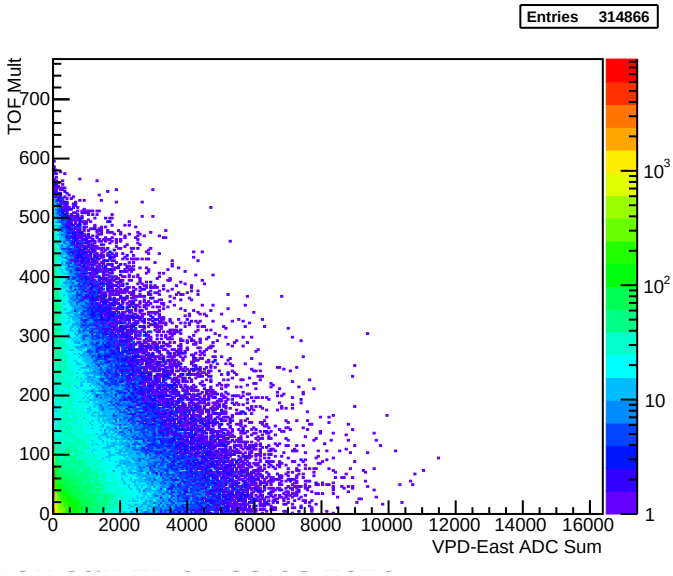

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

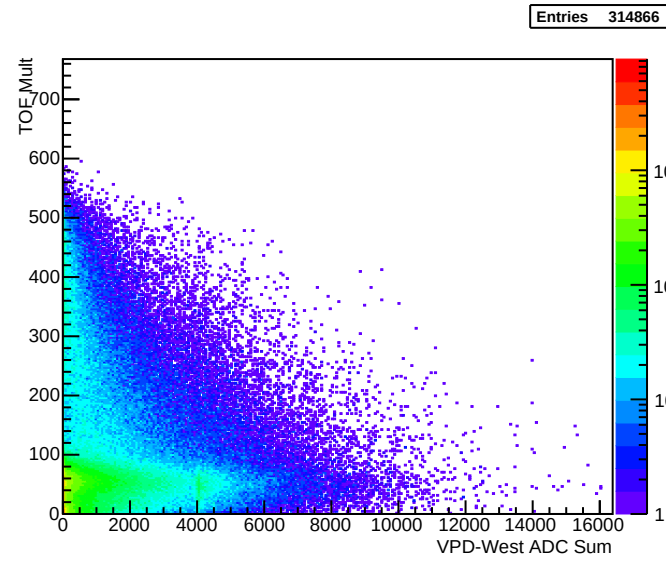

Entries 314866
TOF_Mult
BBC-S-East ADC Sum

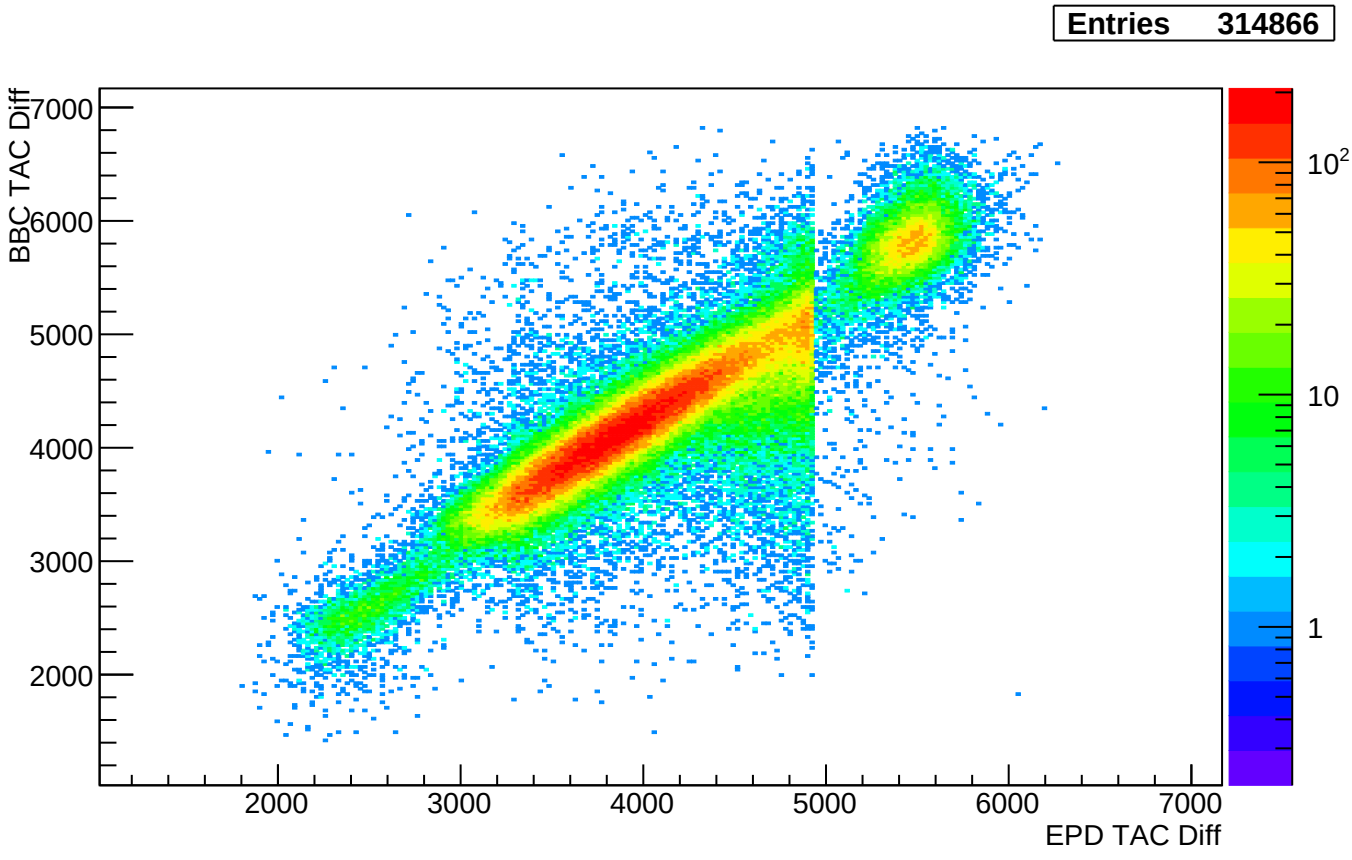

Entries 314866
TOF_Mult
BBC-S-West ADC Sum

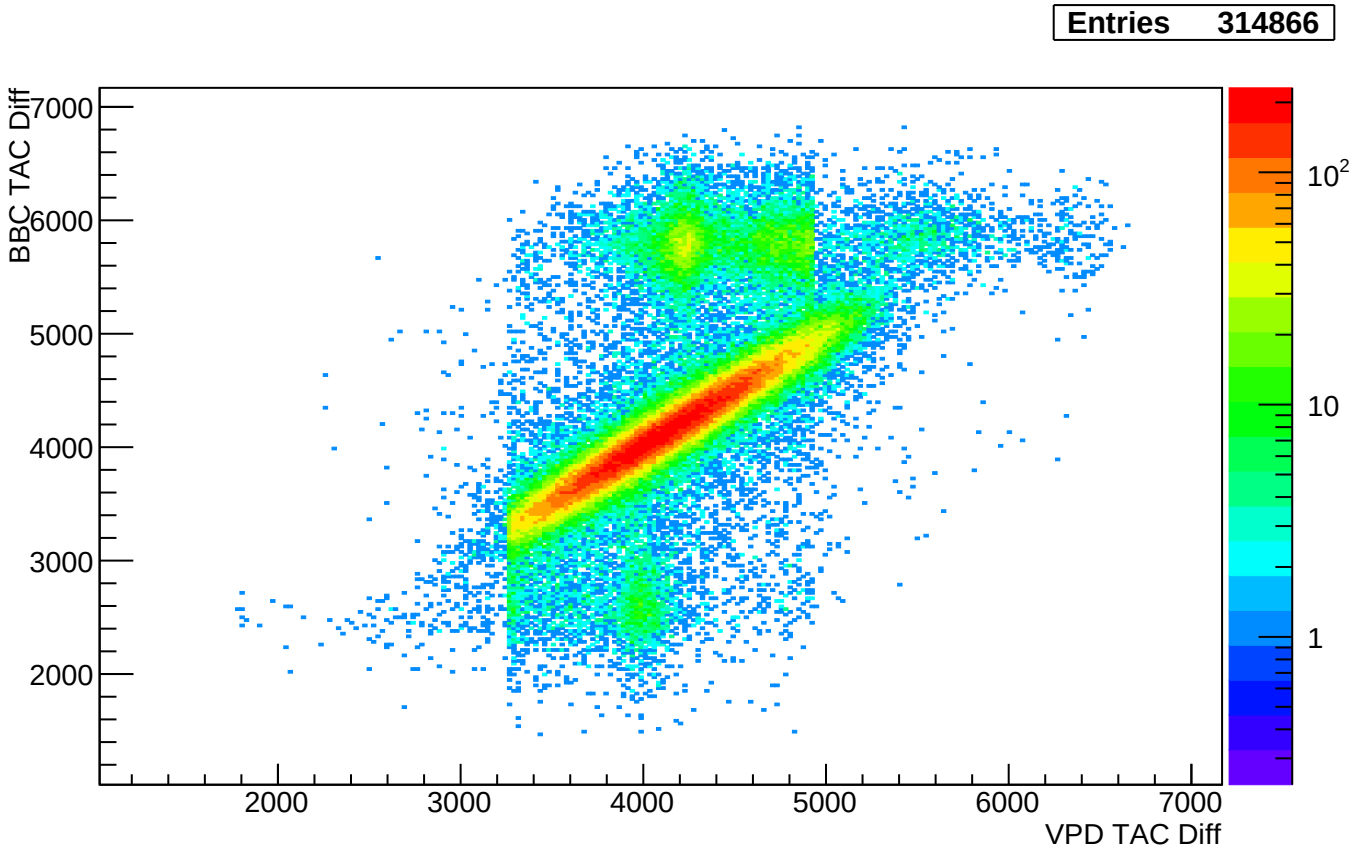

Entries 314866
TOF_Mult
EPD-East Hit Cnt

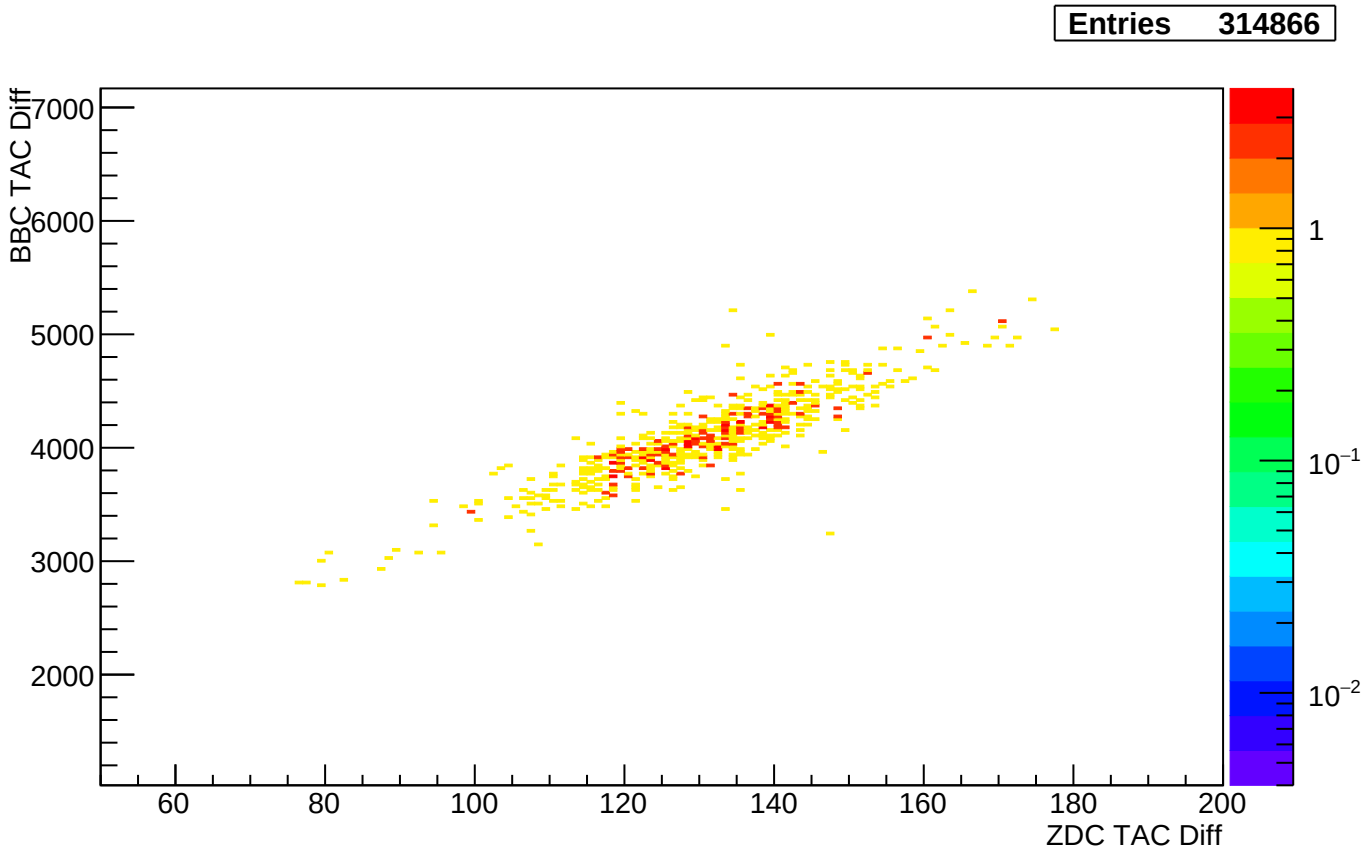

Entries 314866
TOF_Mult
EPD-West Hit Cnt

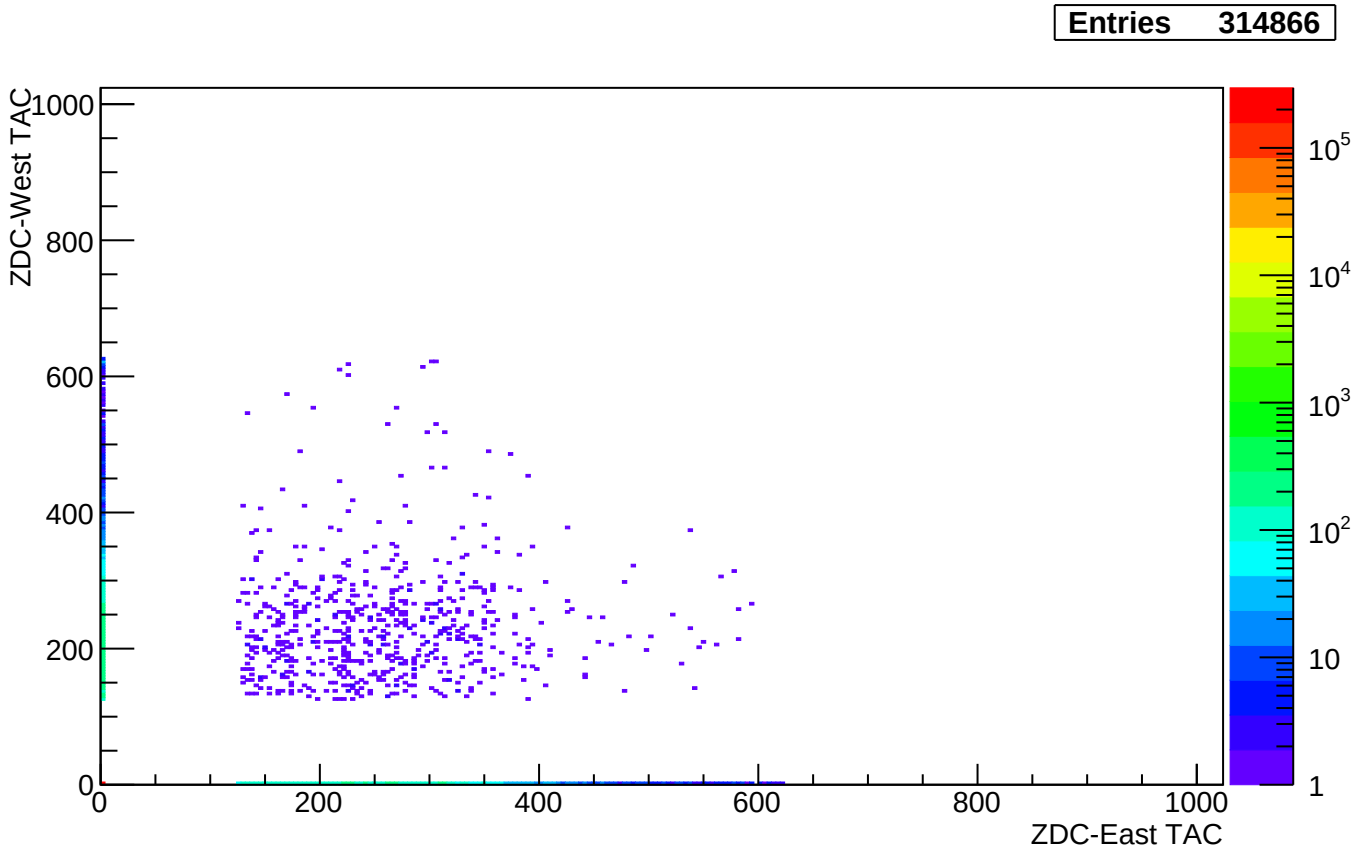

Entries 314866
TOF_Mult
VPD-East ADC Sum

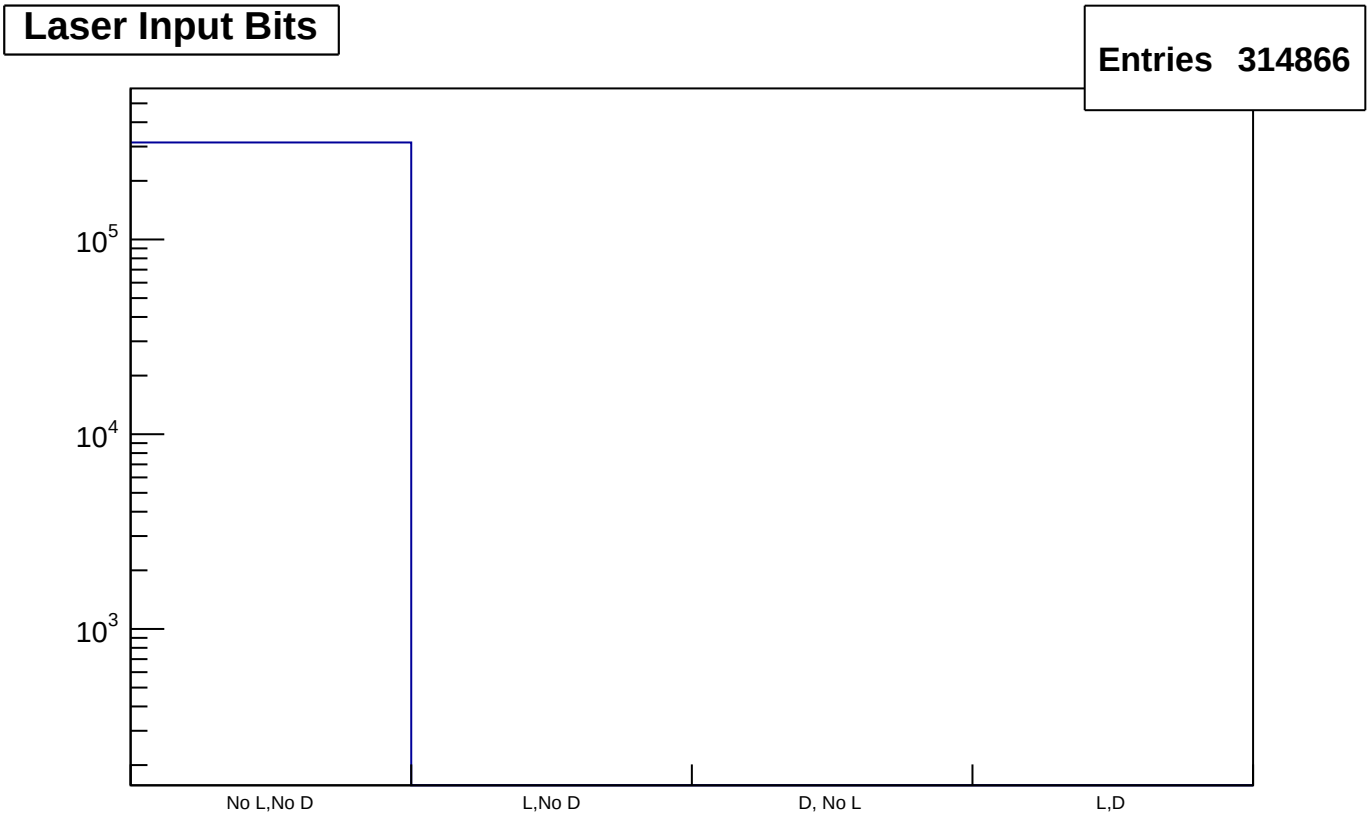

Entries 314866
TOF_Mult
VPD-West ADC Sum

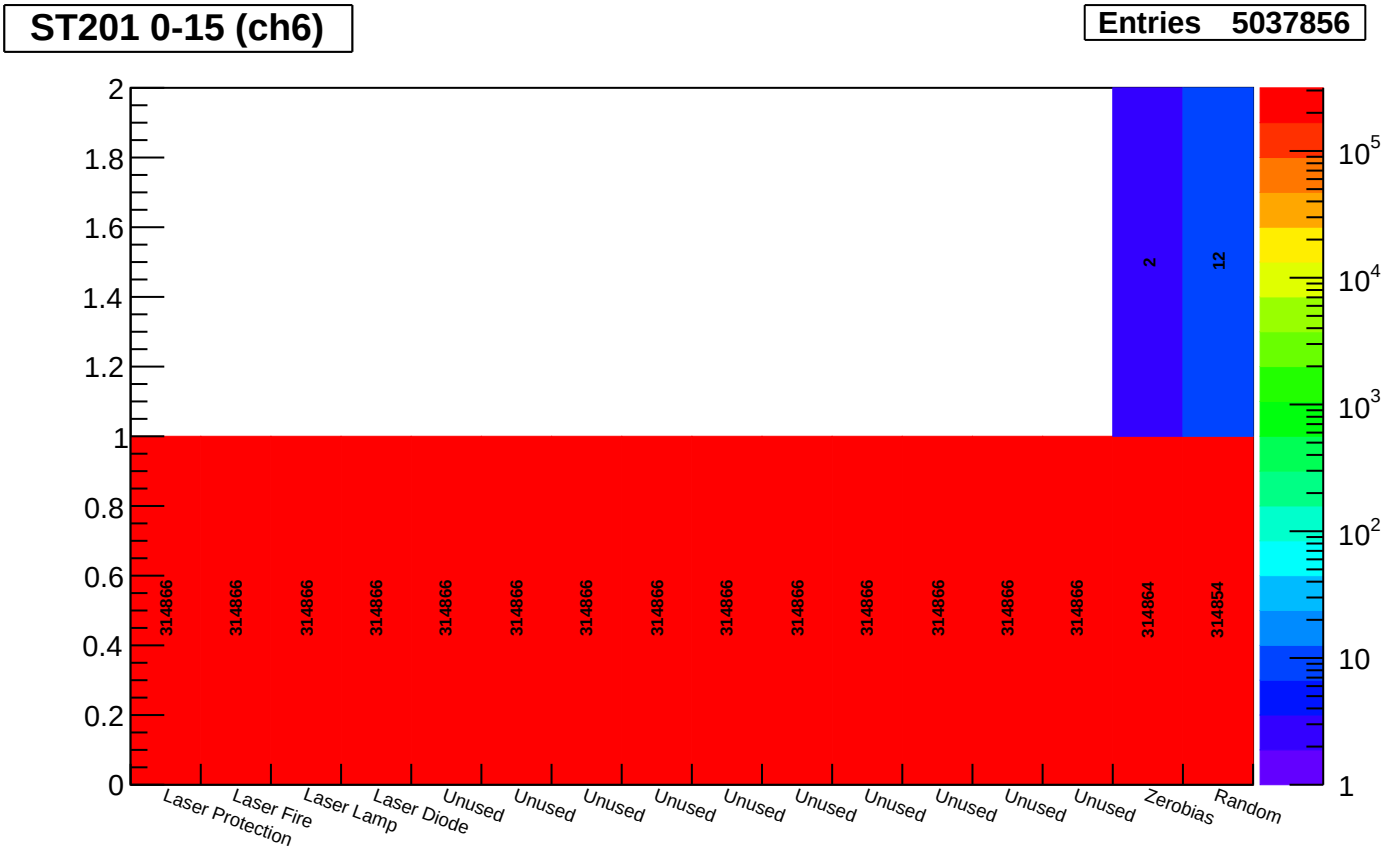

Entries 314866
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

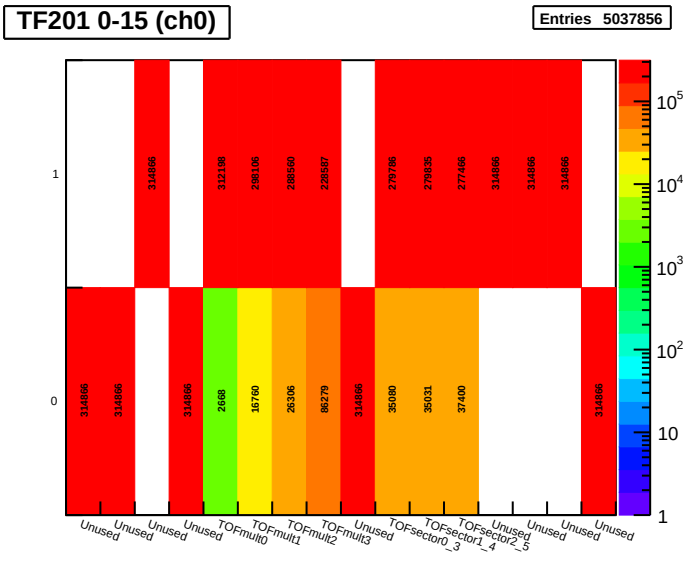

Entries 314866
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

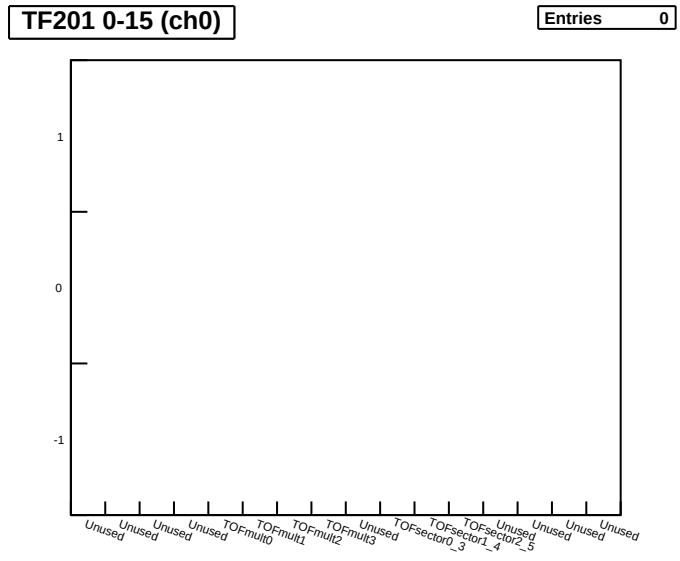

Entries 314866
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

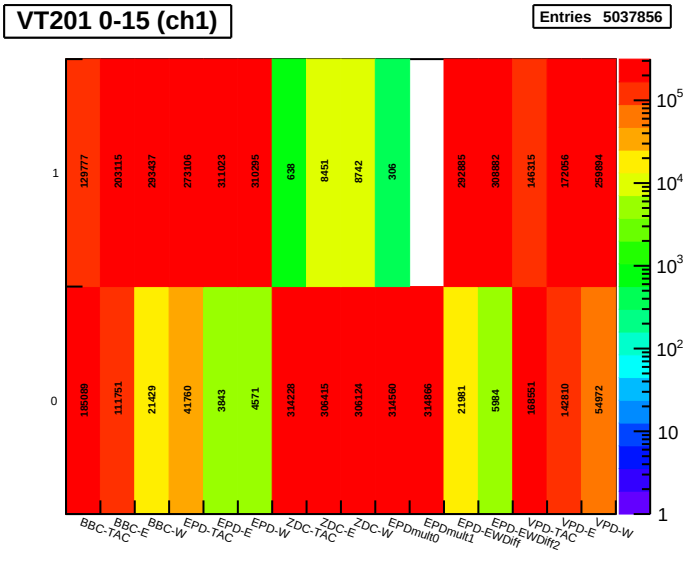

Entries 314866
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

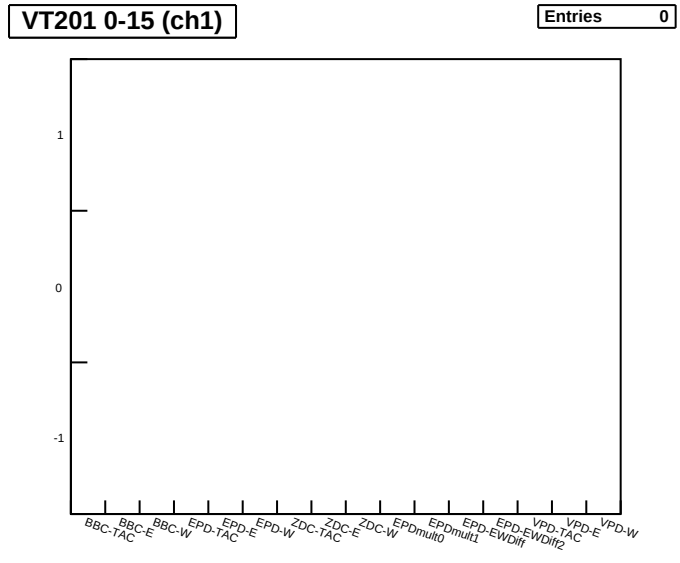

Laser Input Bits
Entries 314866
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

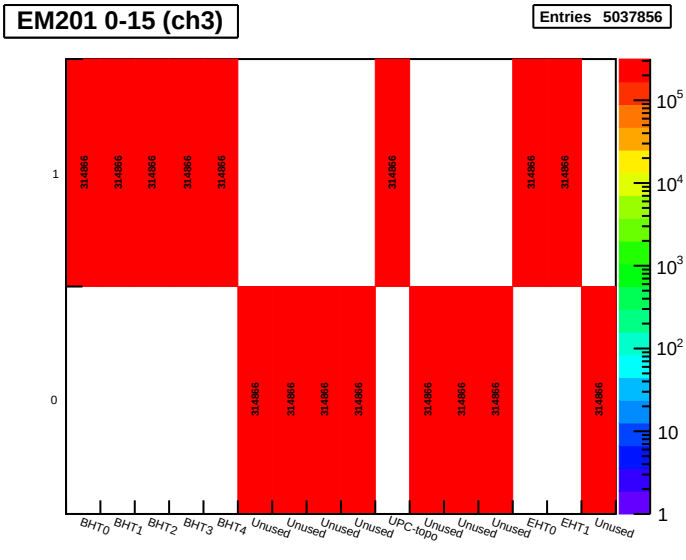

ST201 0-15 (ch6)
Entries 5037856
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
314866
314866
314866
314866
314866
314866
314866
314866
314866
314866
314866
314866
314866
314866
314864
314854
2
12
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

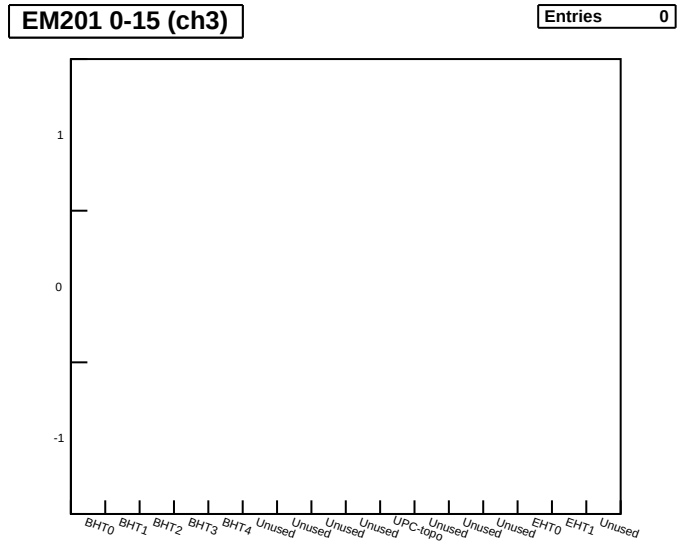

TF201 0-15 (ch0)
Entries 5037856
1
0
314866 312198 298106 288560 229587 279786 279835 277466 314866 314866 314866
314866 314866 314866 2688 16760 26306 86279 314866 35080 35031 37400 314866
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused 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 Unused


VT201 0-15 (ch1)
Entries 5037856
1
0
129777 203115 293437 273106 311023 310295 638 8451 8742 306 292885 308882 146315 172056 259834
185089 111751 21429 41760 3943 4571 314228 306415 306124 314560 314866 21981 5984 168551 142810 54872
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 5037856
1
0
314866 314866 314866 314866 314866 314866 314866
314866 314866 314866 314866 314866 314866 314866 314866
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