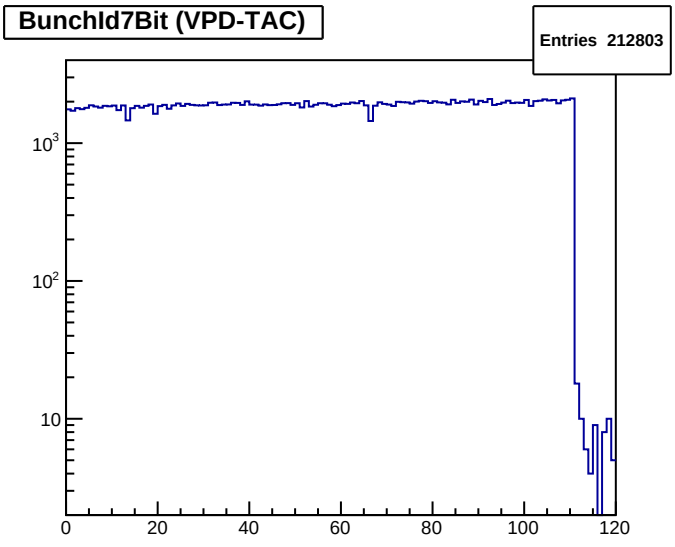
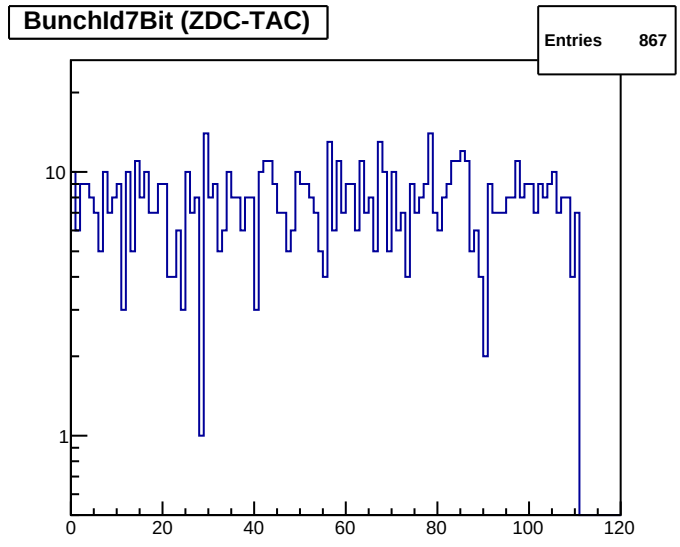
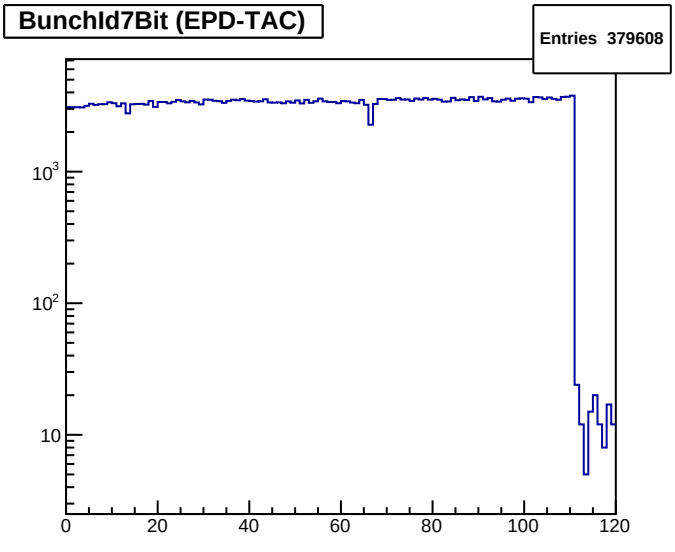
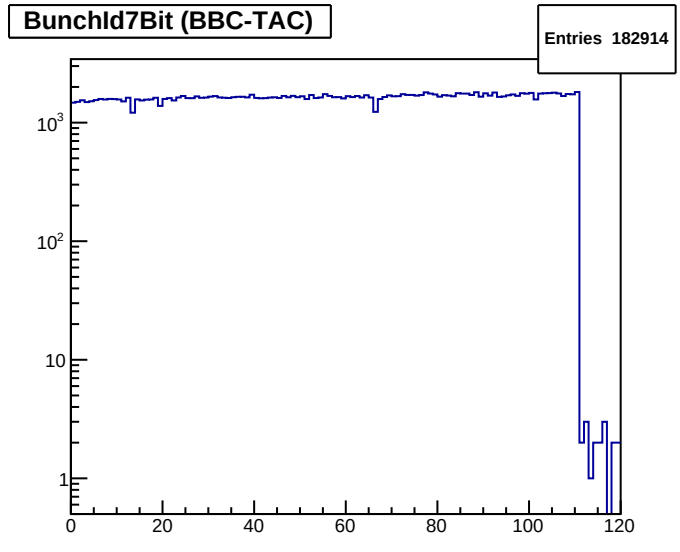
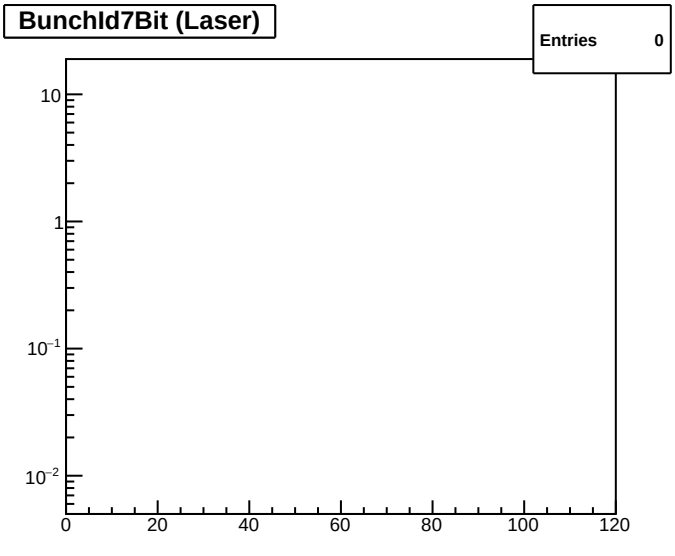
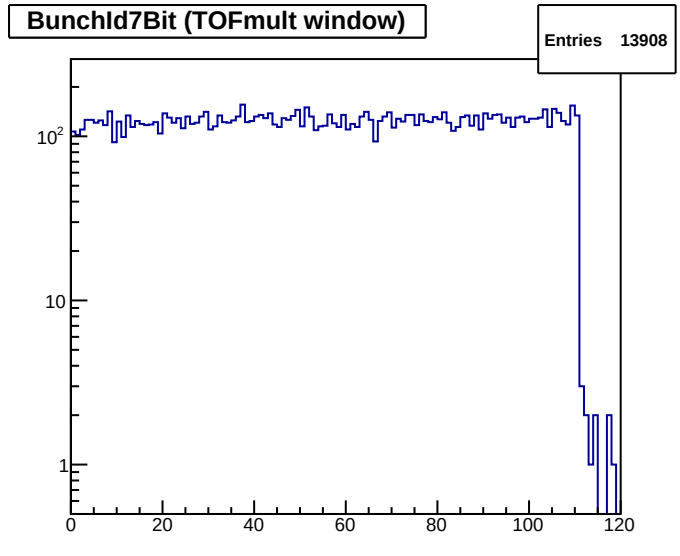

BunchId7Bit (VPD-TAC)
Entries 212803

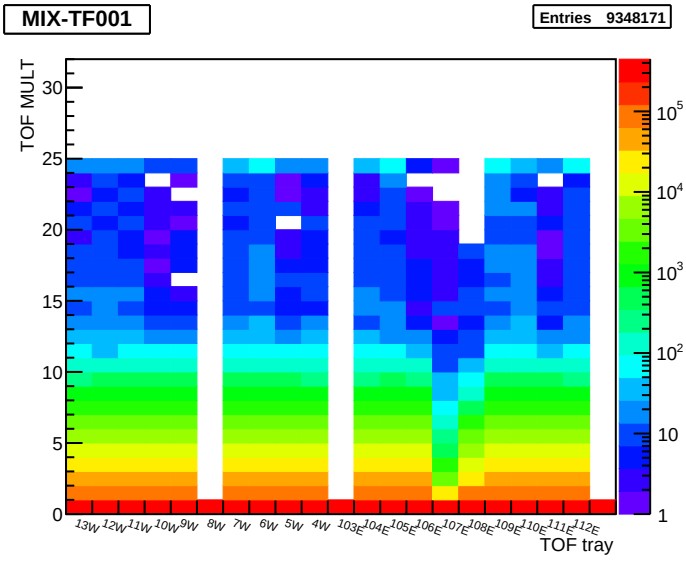

BunchId7Bit (ZDC-TAC)
Entries 867

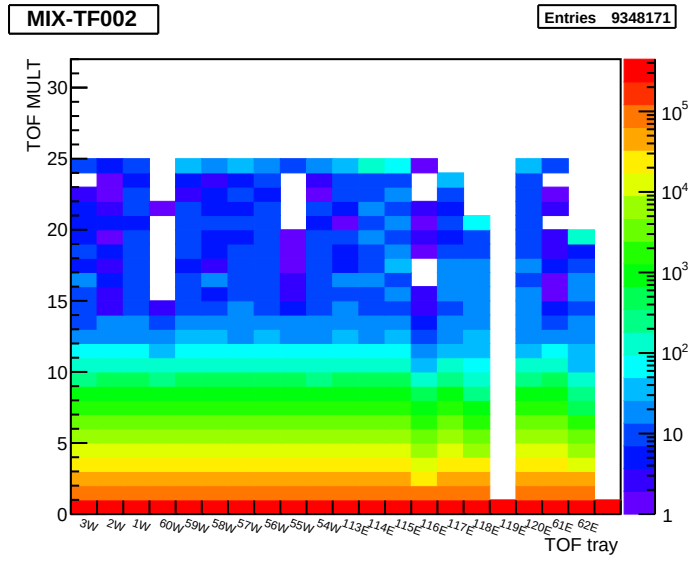

BunchId7Bit (EPD-TAC)
Entries 379608

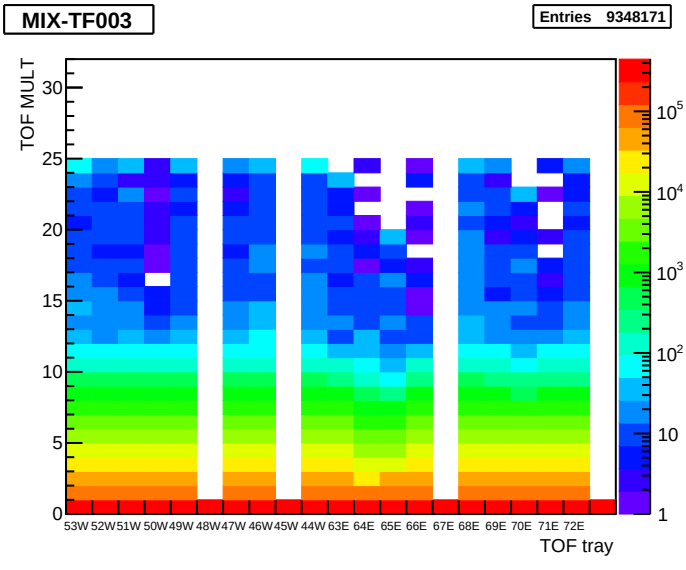

BunchId7Bit (BBC-TAC)
Entries 182914

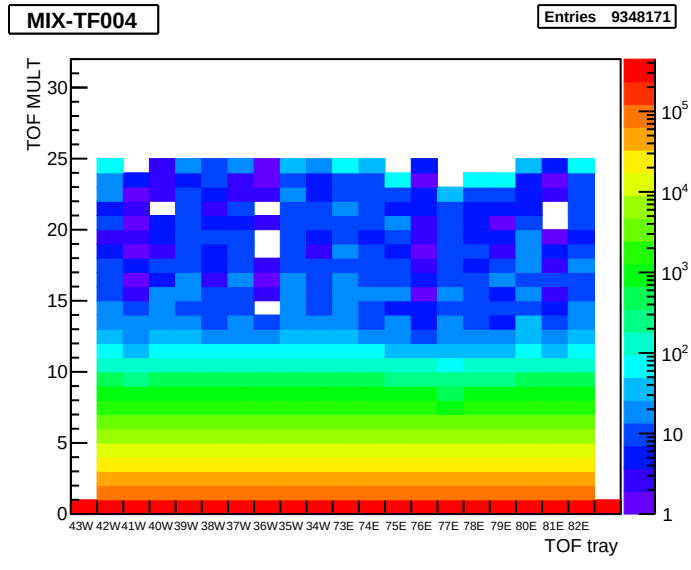

BunchId7Bit (Laser)
Entries 0

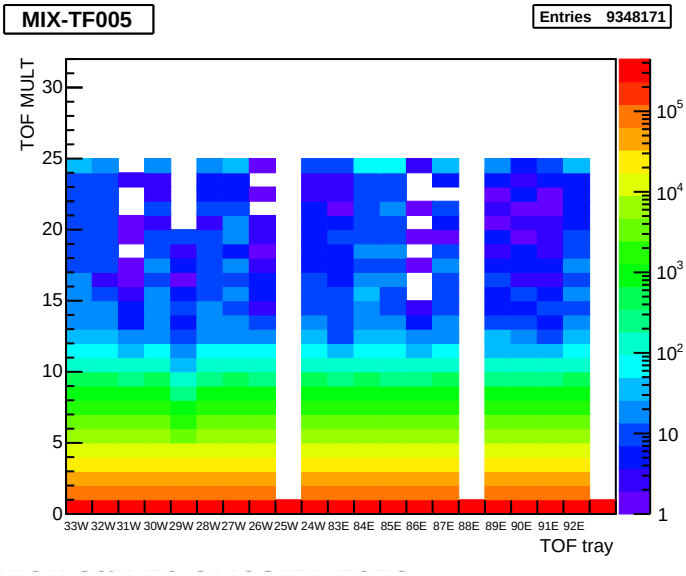

BunchId7Bit (TOFmult window)
Entries 13908

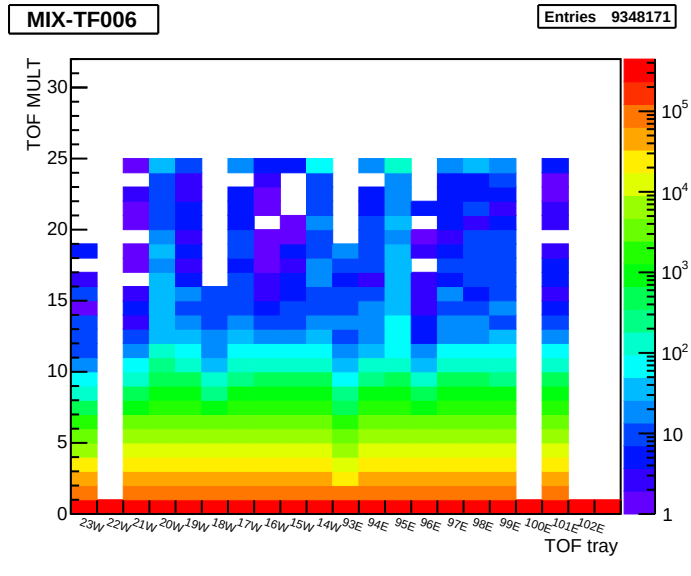

MIX-TF001
Entries 9348171
TOF MULT
TOF tray

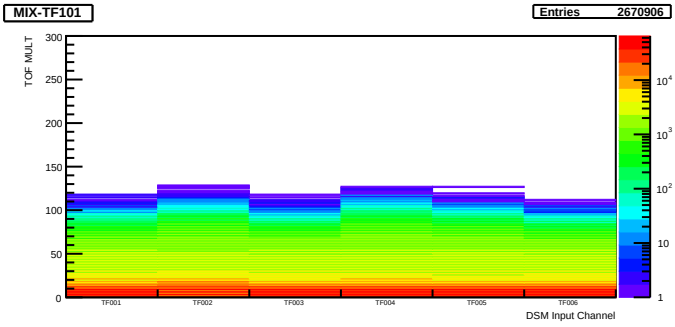

MIX-TF002
Entries 9348171
TOF MULT
TOF tray

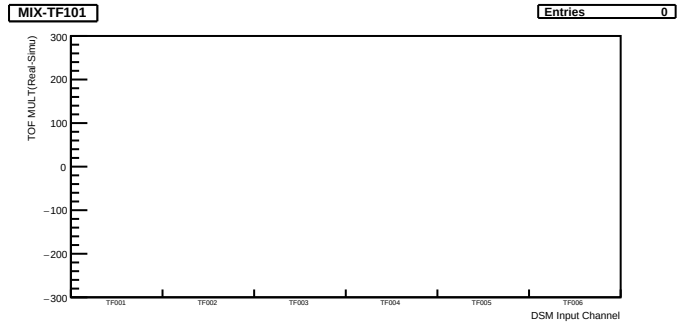

MIX-TF003
Entries 9348171
TOF MULT
TOF tray

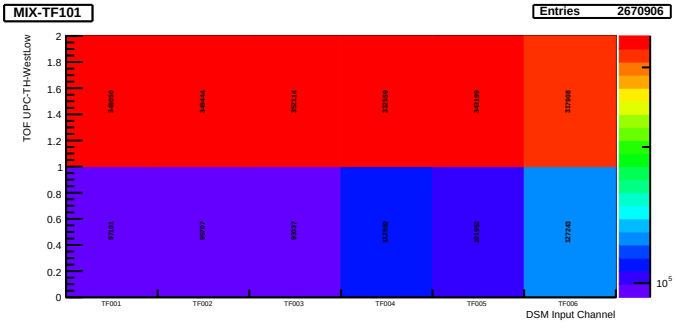

MIX-TF004
Entries 9348171
TOF MULT
TOF tray

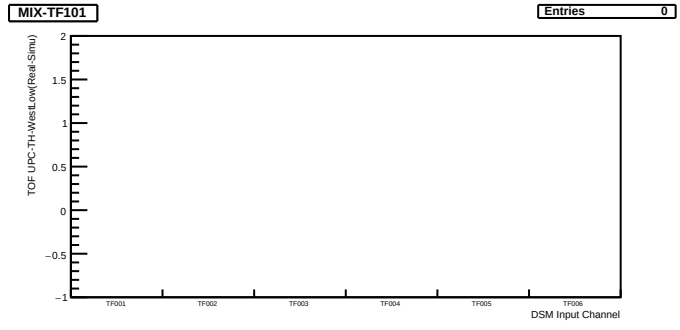

MIX-TF005
Entries 9348171
TOF MULT
TOF tray

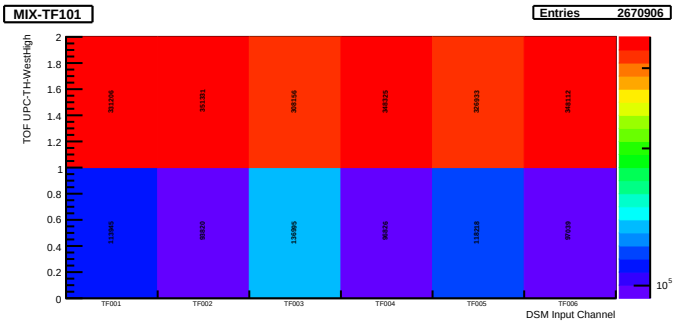

MIX-TF006
Entries 9348171
TOF MULT
TOF tray

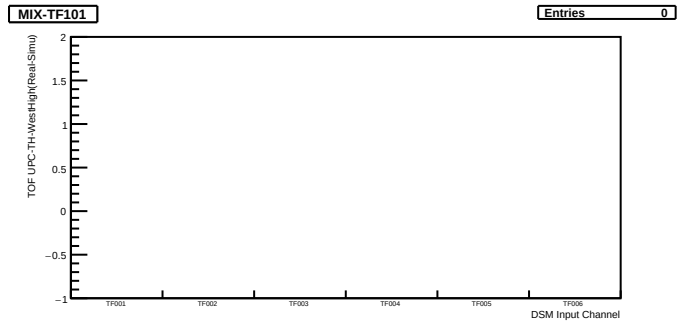

MIX-TF101
Entries 2670906
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

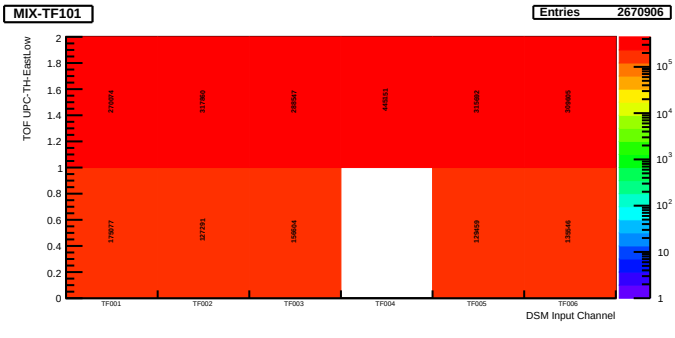

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

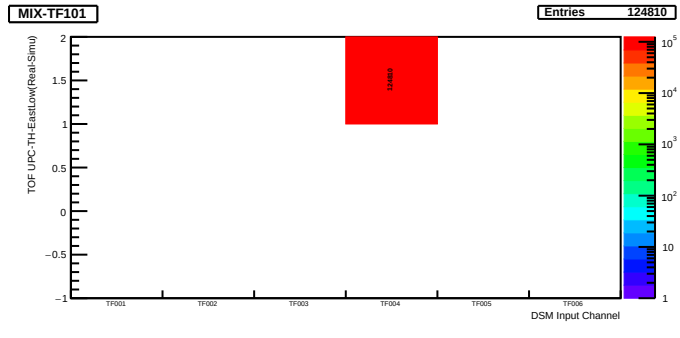

MIX-TF101
Entries 2670906
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

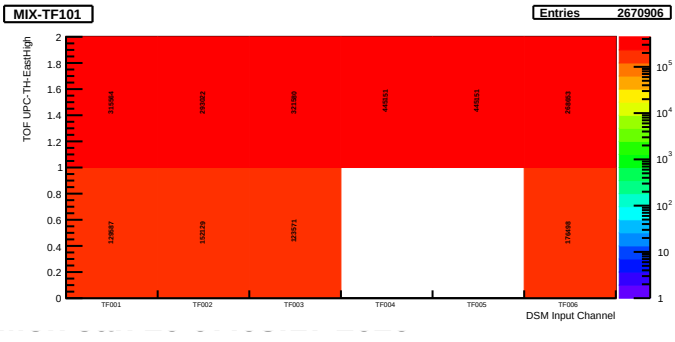

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

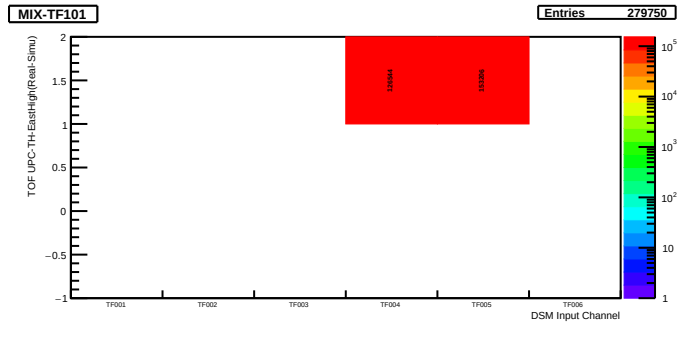

MIX-TF101
Entries 2670906
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

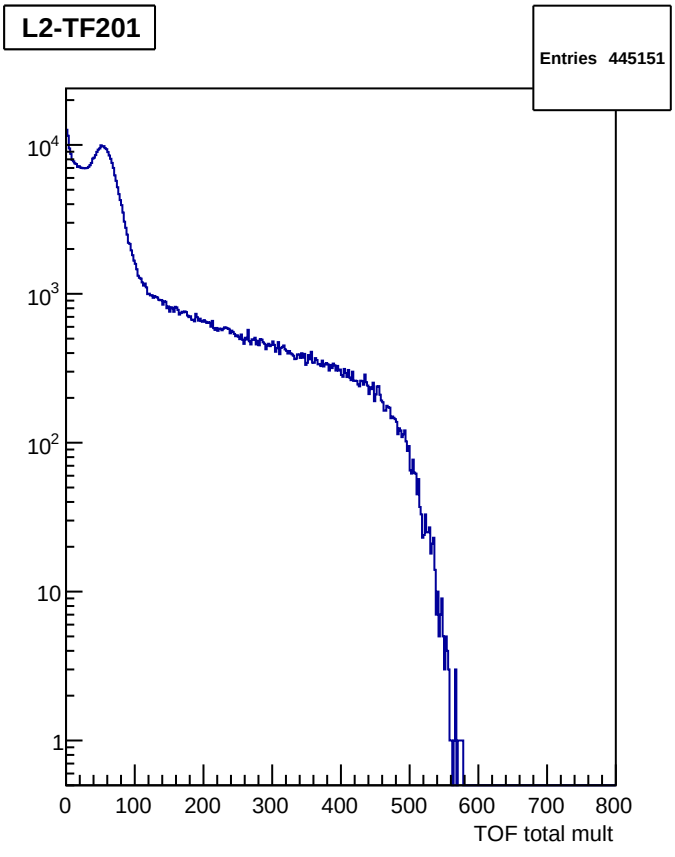

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

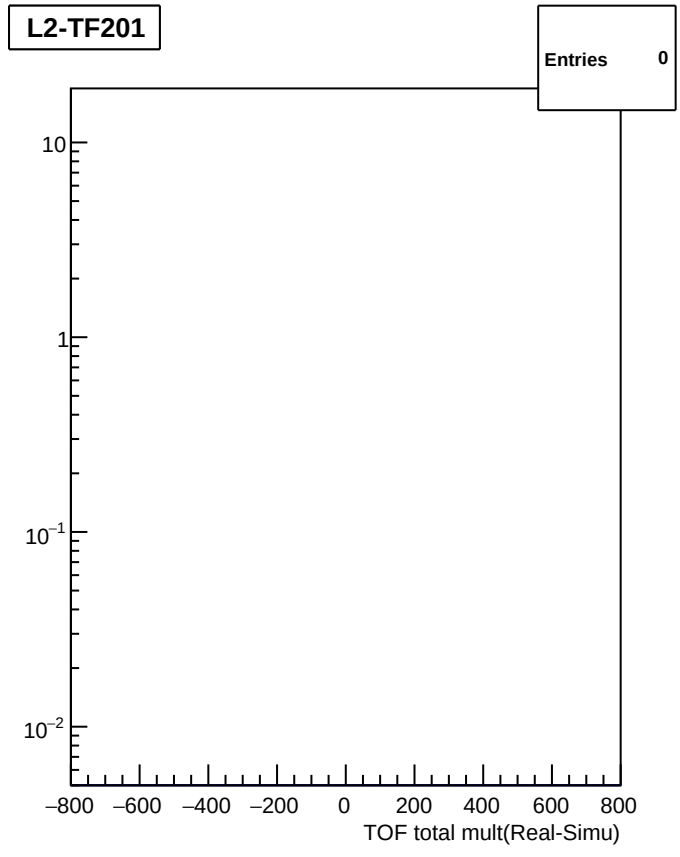

MIX-TF101
Entries 2670906
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

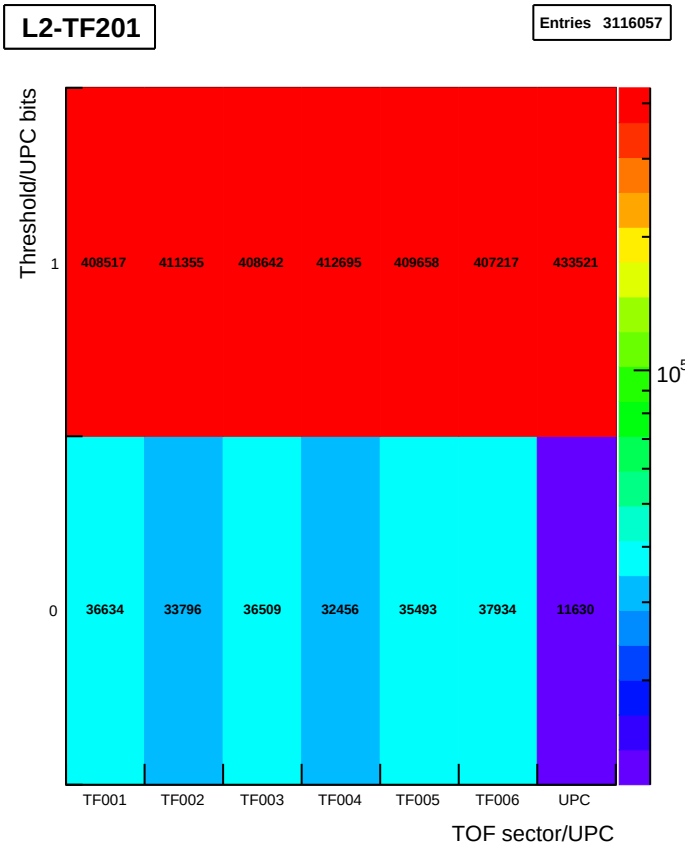

MIX-TF101
Entries 124810
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

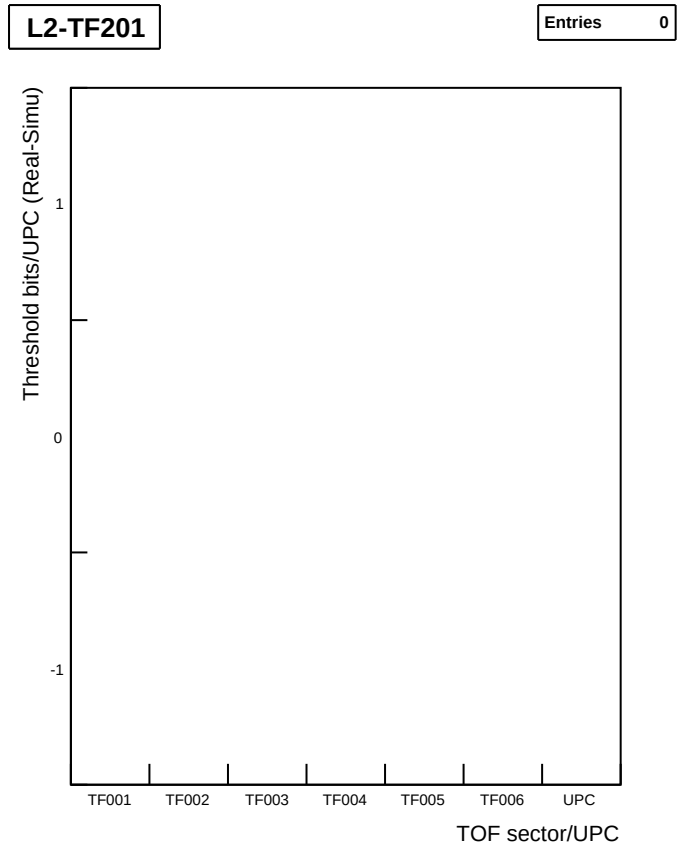

MIX-TF101
Entries 2670906
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

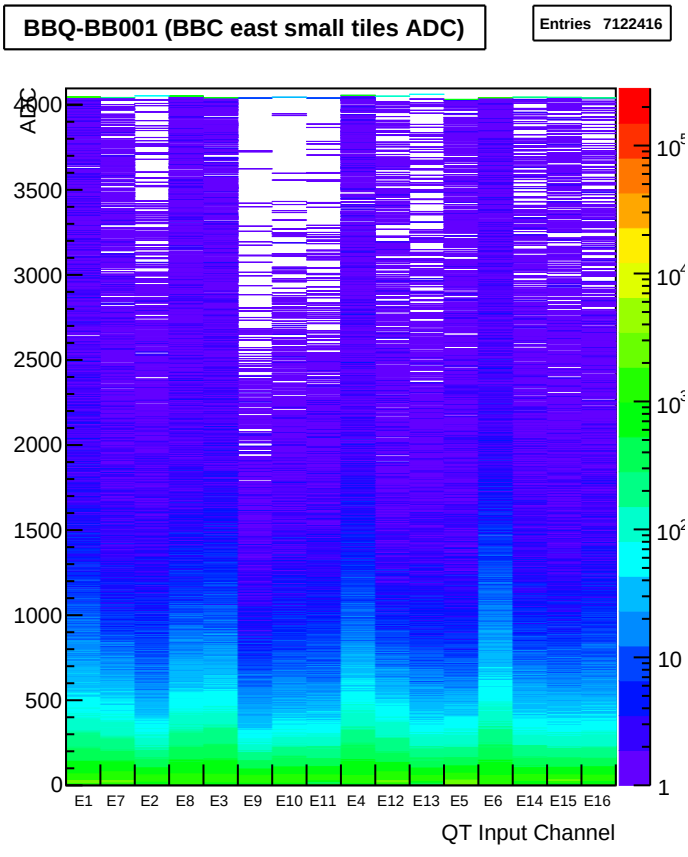

MIX-TF101
Entries 279750
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

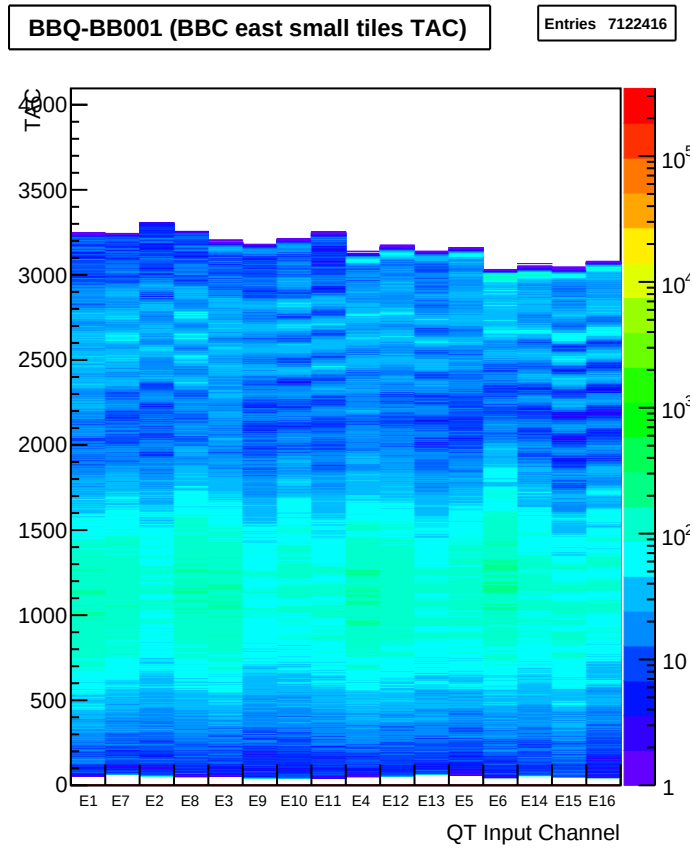

L2-TF201
Entries 445151
TOF total mult

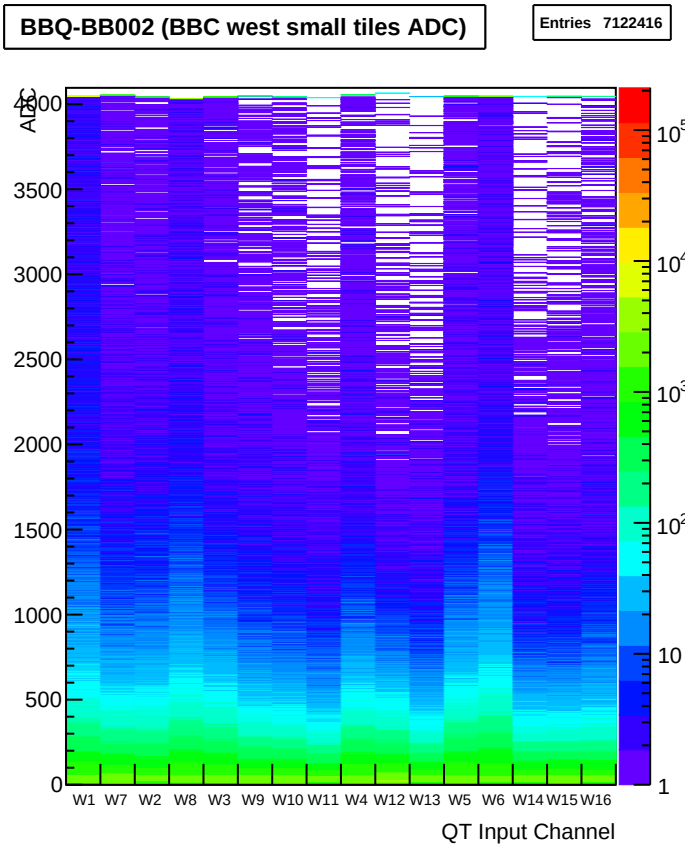

L2-TF201
Entries 0
TOF total mult(Real-Simu)

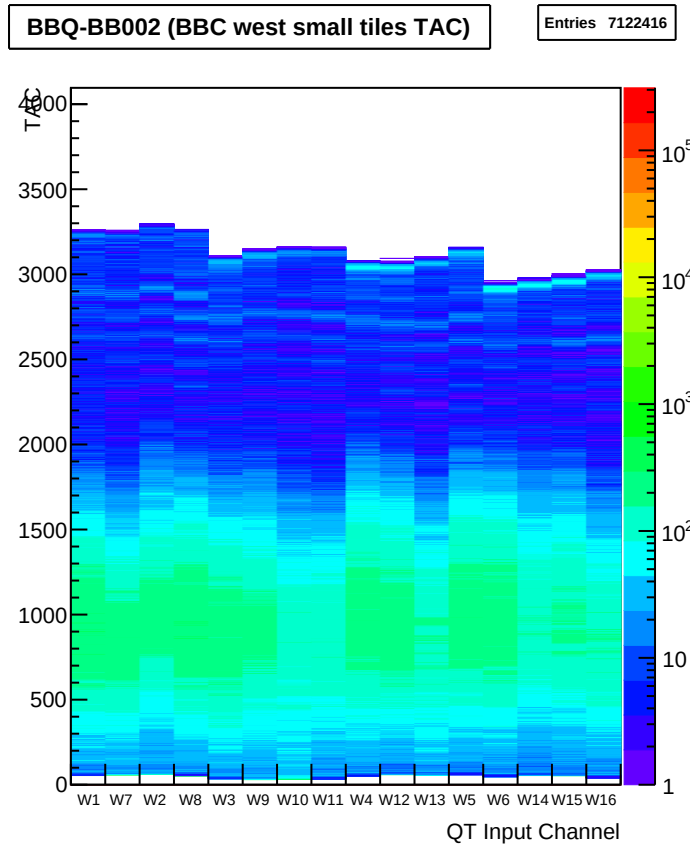

L2-TF201
Entries 3116057
Threshold/UPC bits
408517
411355
408642
412695
409658
407217
433521
36634
33796
36509
32456
35493
37934
11630
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

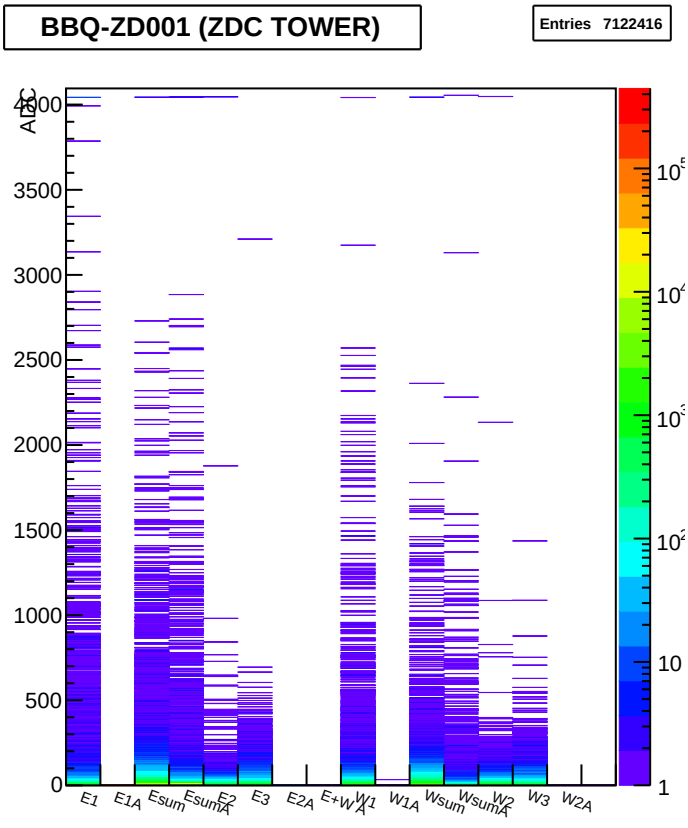

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

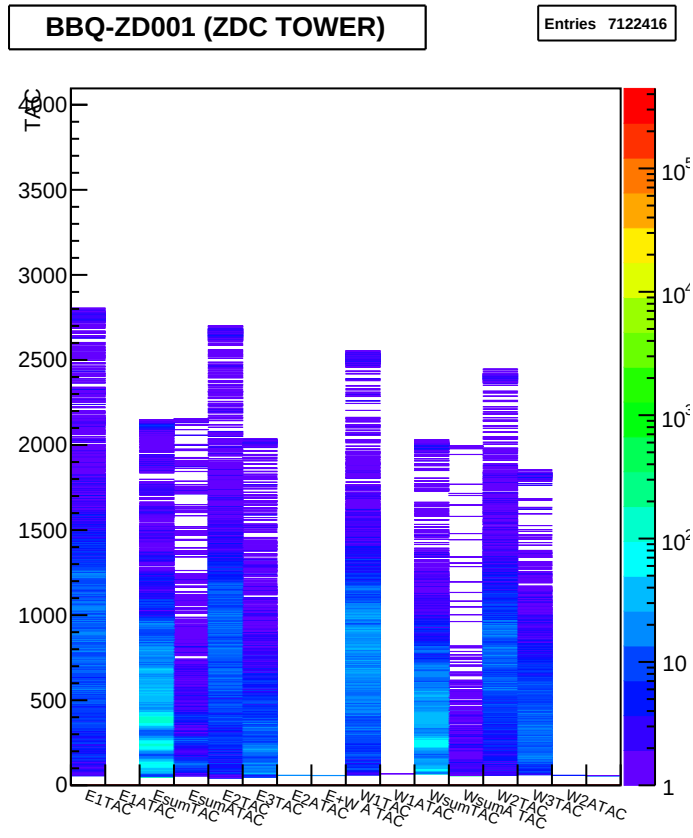

BBQ-BB001 (BBC east small tiles ADC)
Entries 7122416
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

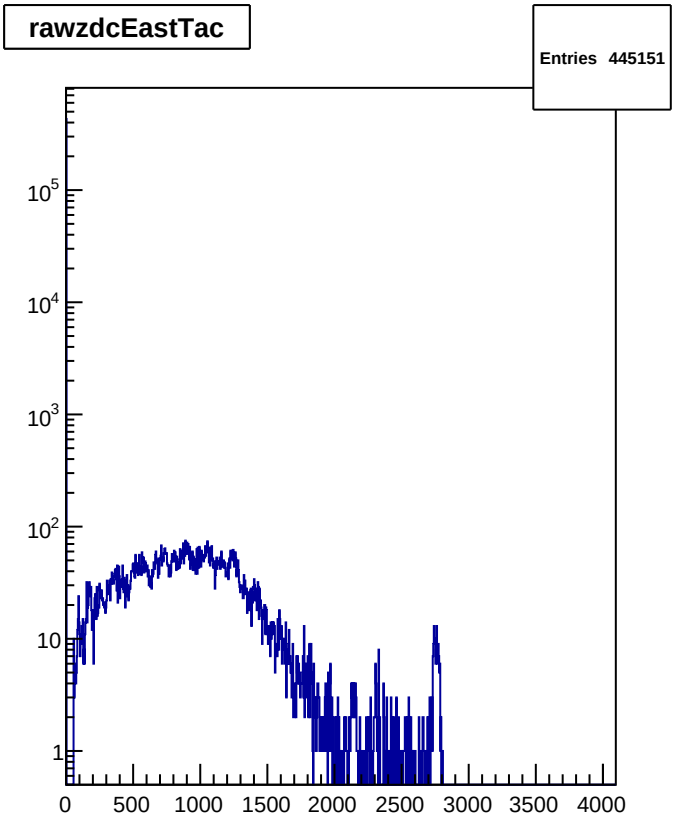

BBQ-BB001 (BBC east small tiles TAC)
Entries 7122416
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

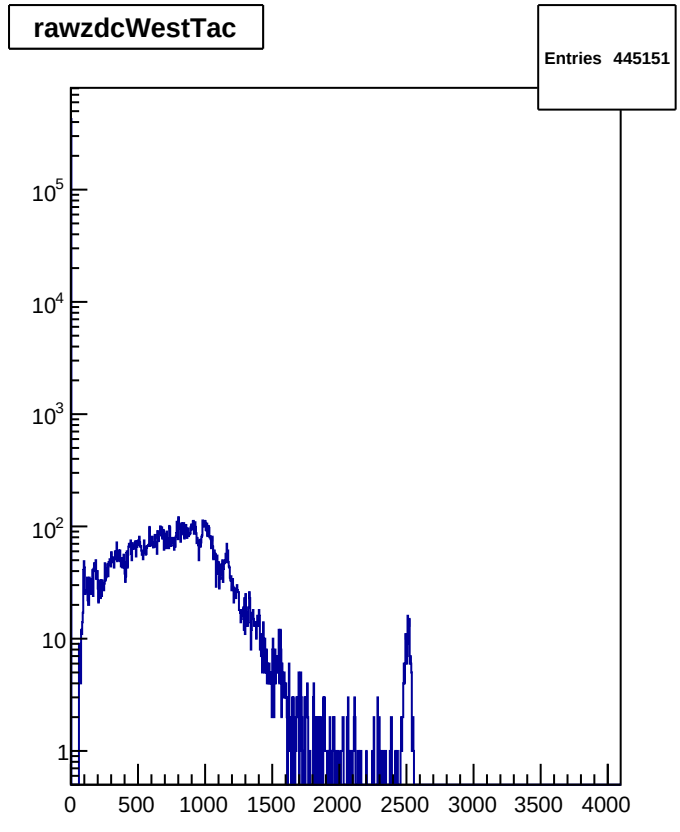

BBQ-BB002 (BBC west small tiles ADC)
Entries 7122416
ADC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

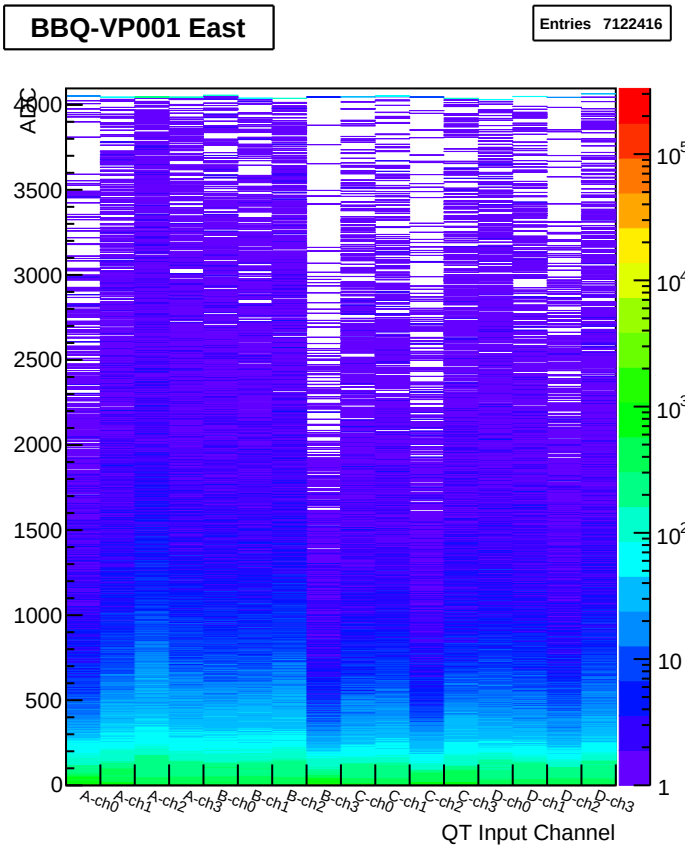

BBQ-BB002 (BBC west small tiles TAC)
Entries 7122416
TAC
4000
3500
3000
2500
2000
1500
1000
500
0
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16
QT Input Channel
1
10
10^2
10^3
10^4
10^5

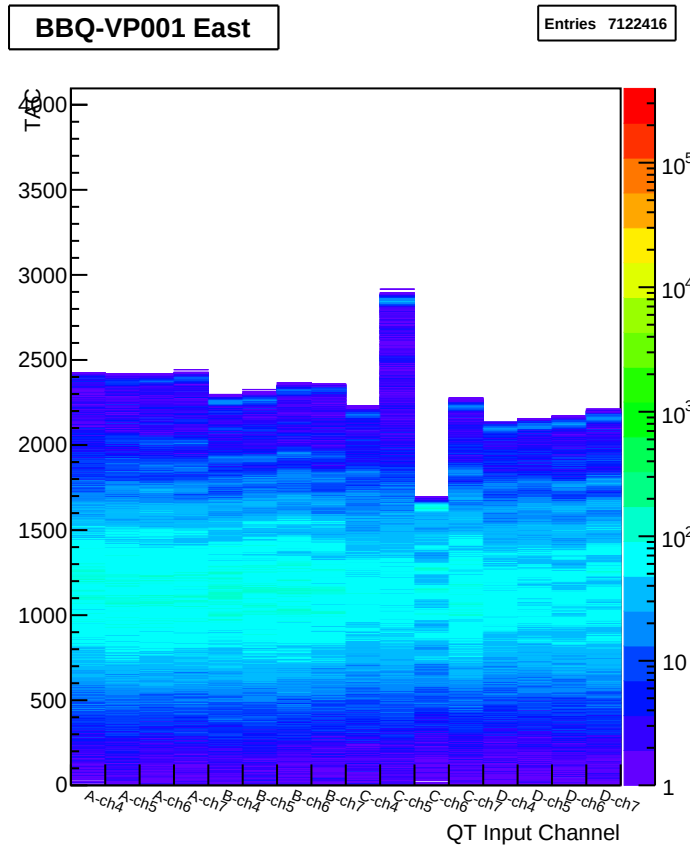

BBQ-ZD001 (ZDC TOWER)
Entries 7122416
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1
W1A
Wsum
WsumA
W2
W3
W2A

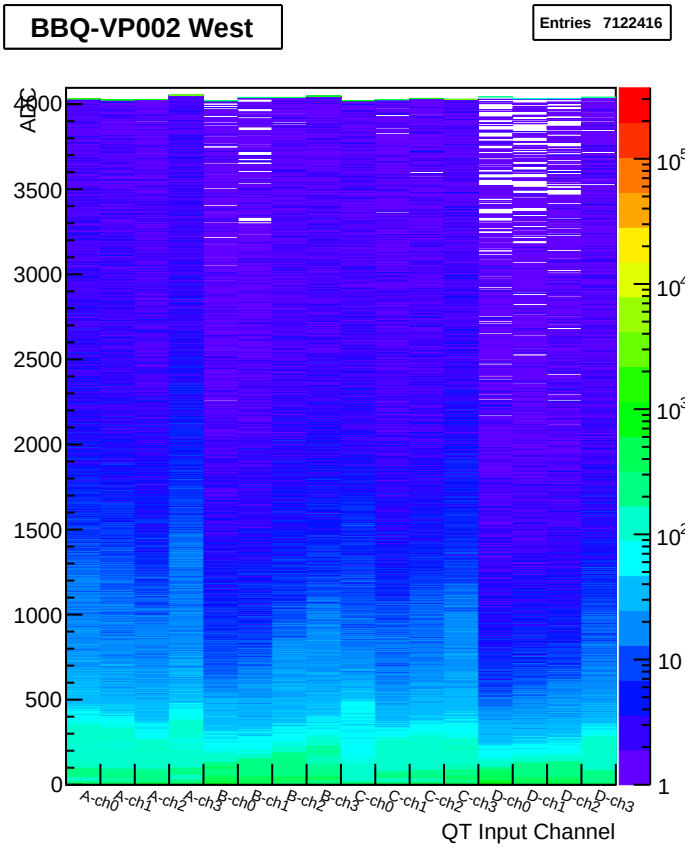

BBQ-ZD001 (ZDC TOWER)
Entries 7122416
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

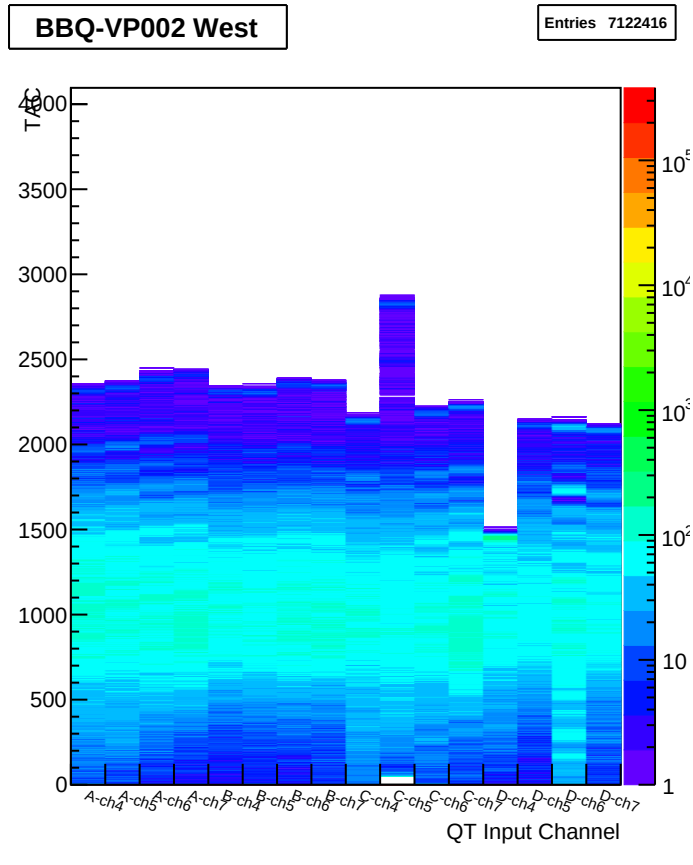

rawzdcEastTac
Entries 445151

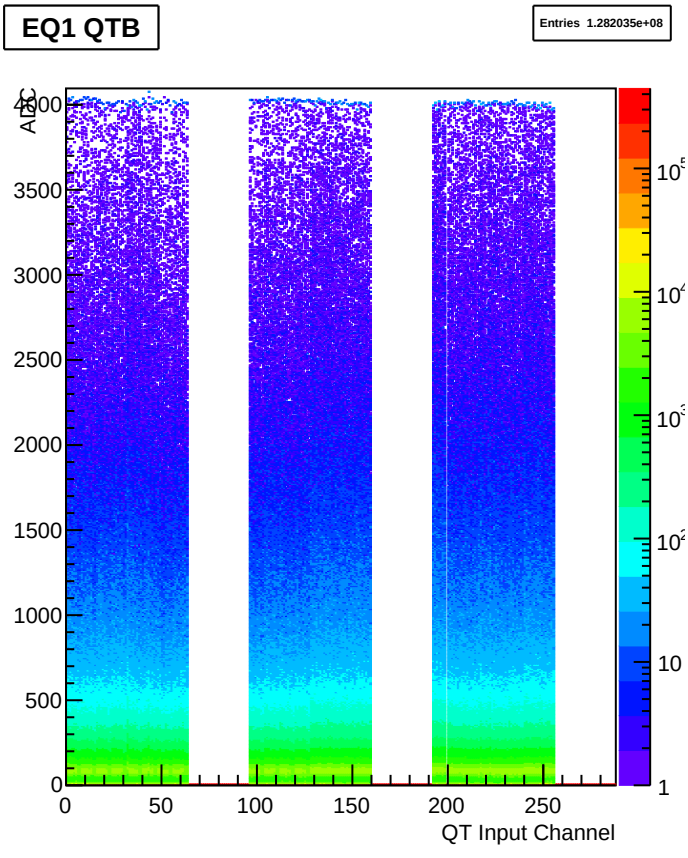

rawzdcWestTac
Entries 445151

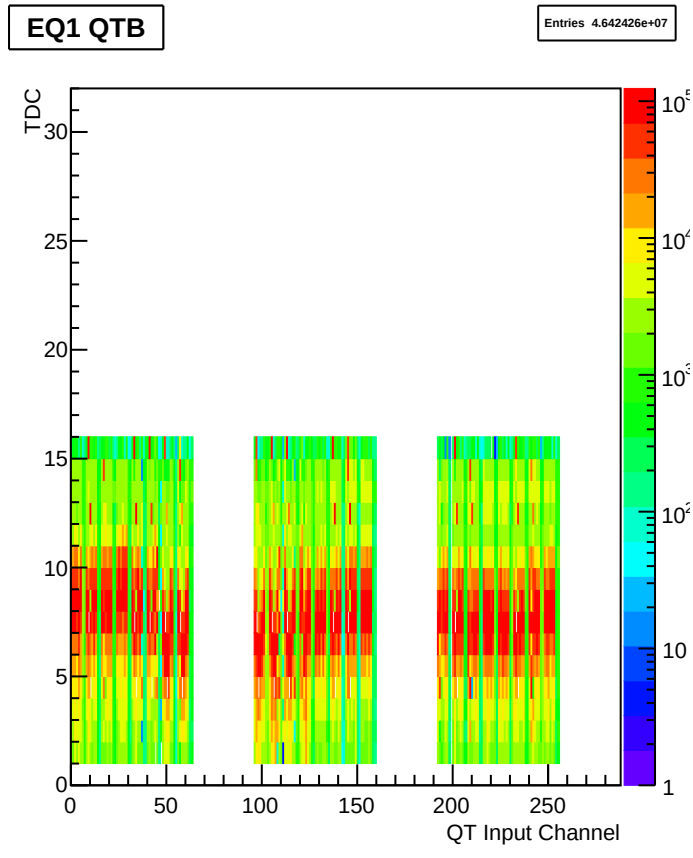

BBQ-VP001 East
Entries 7122416
ADC
QT Input Channel

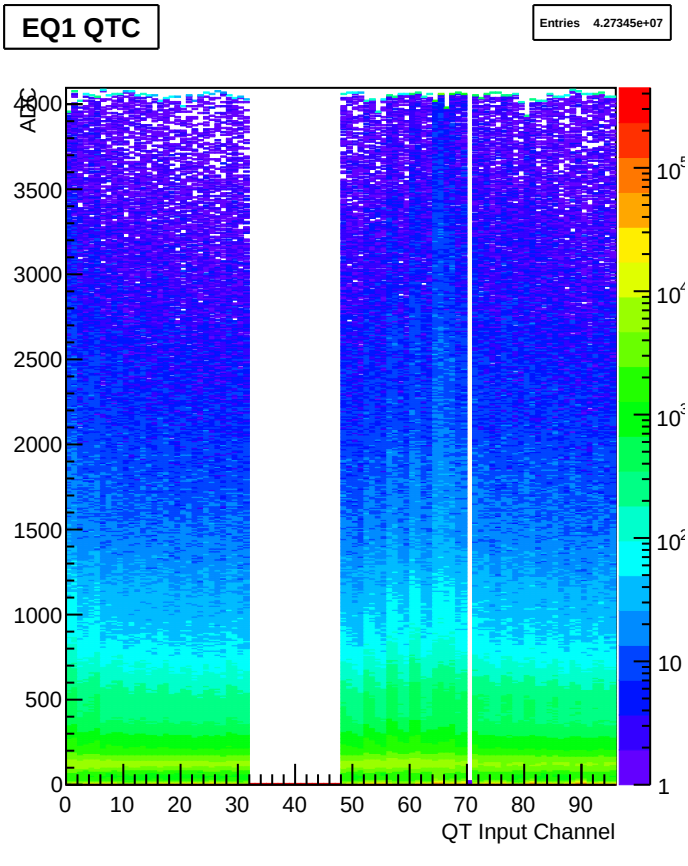

BBQ-VP001 East
Entries 7122416
TADC
QT Input Channel

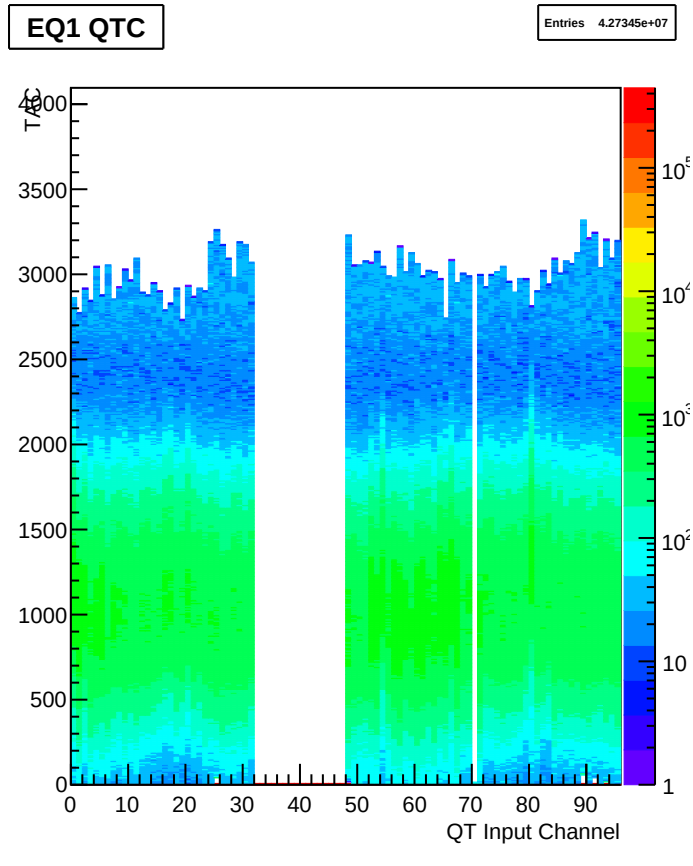

BBQ-VP002 West
Entries 7122416
ADC
QT Input Channel

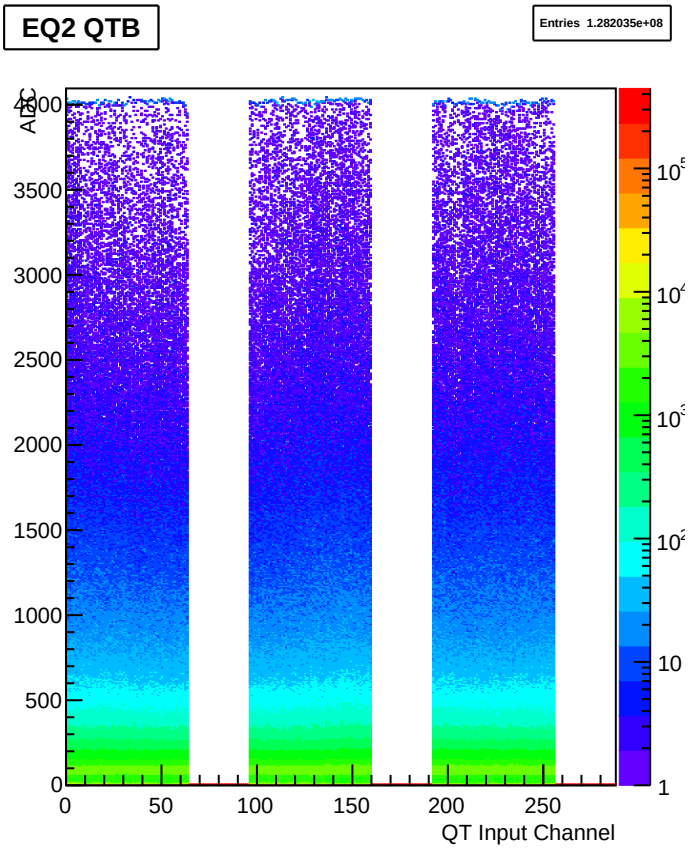

BBQ-VP002 West
Entries 7122416
TADC
QT Input Channel

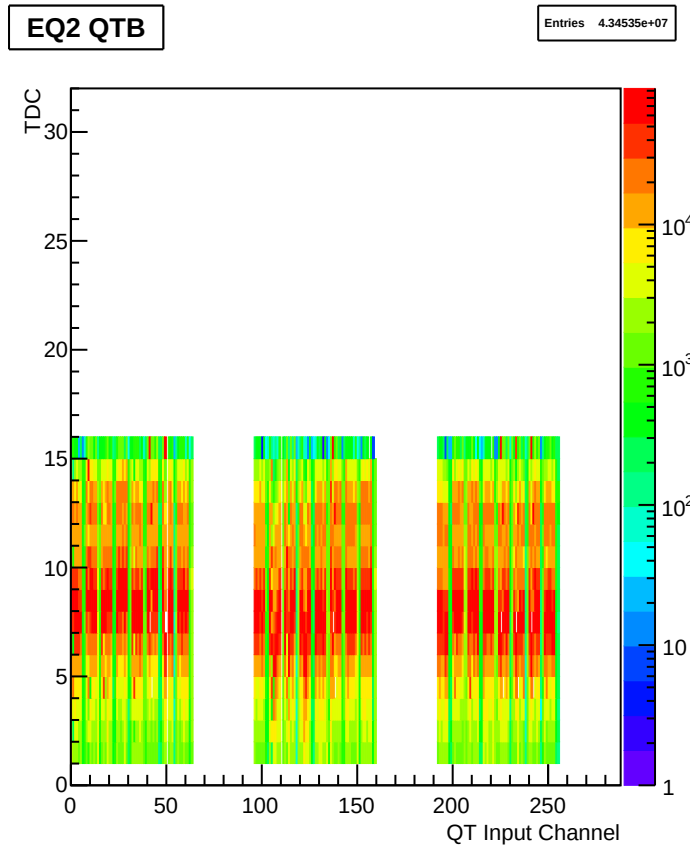

EQ1 QTB
Entries 1.282035e+08
ADC
QT Input Channel

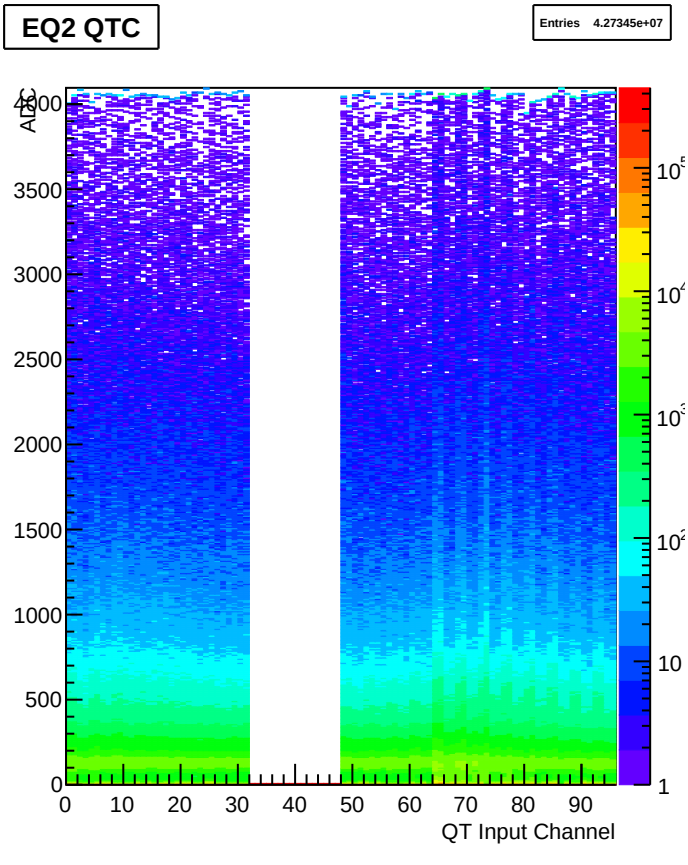

EQ1 QTB
Entries 4.642426e+07
TDC
QT Input Channel

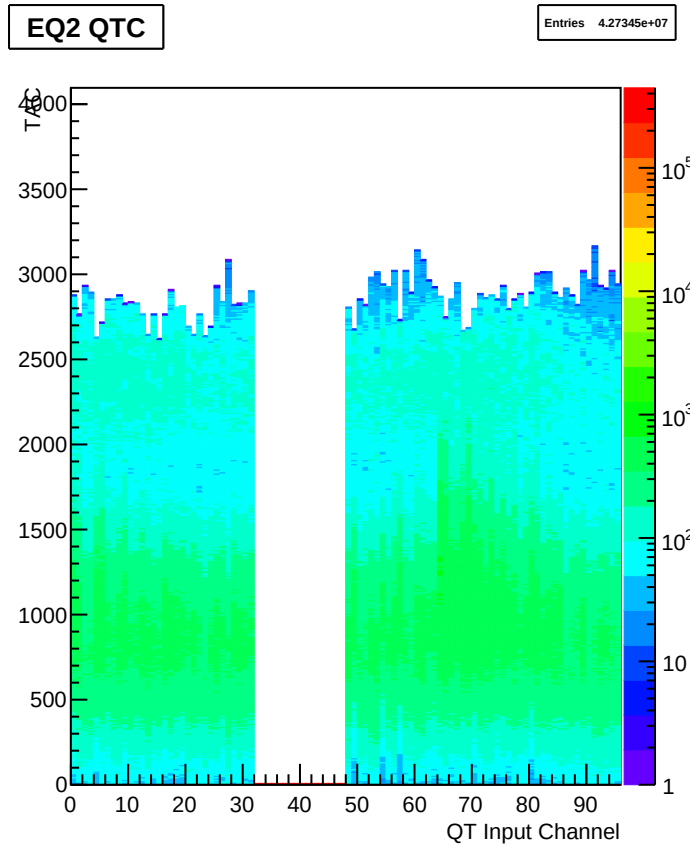

EQ1 QTC
Entries 4.27345e+07
ADC
QT Input Channel

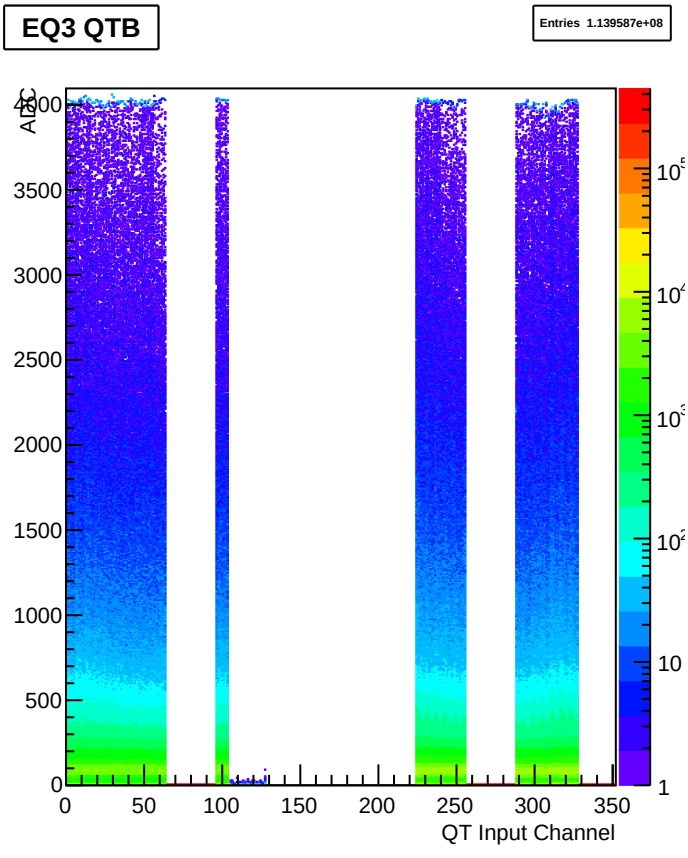

EQ1 QTC
Entries 4.27345e+07
TADC
QT Input Channel

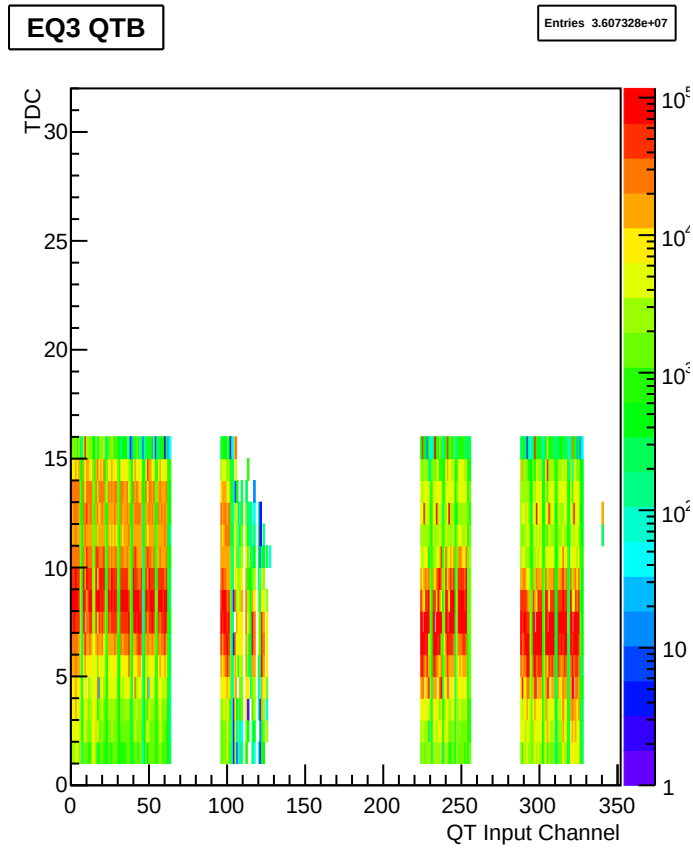

EQ2 QTB
Entries 1.282035e+08
ADC
QT Input Channel

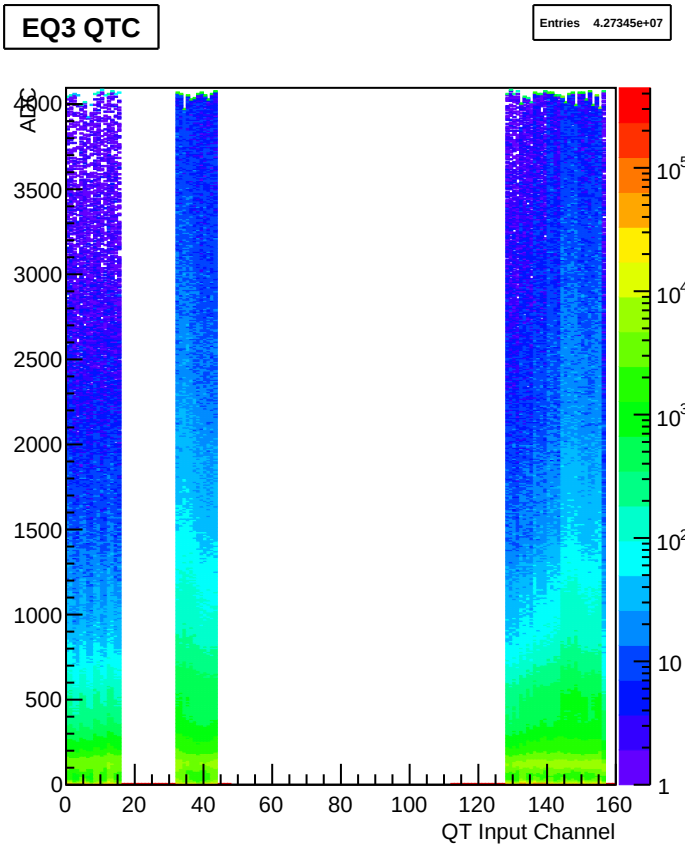

EQ2 QTB
Entries 4.34535e+07
TDC
QT Input Channel

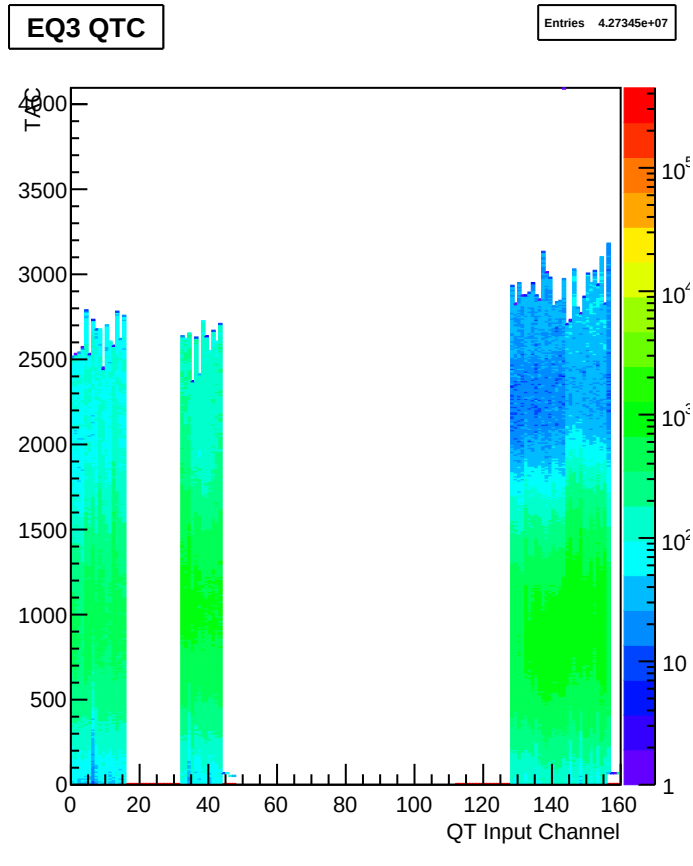

EQ2 QTC
Entries 4.27345e+07
ADC
QT Input Channel

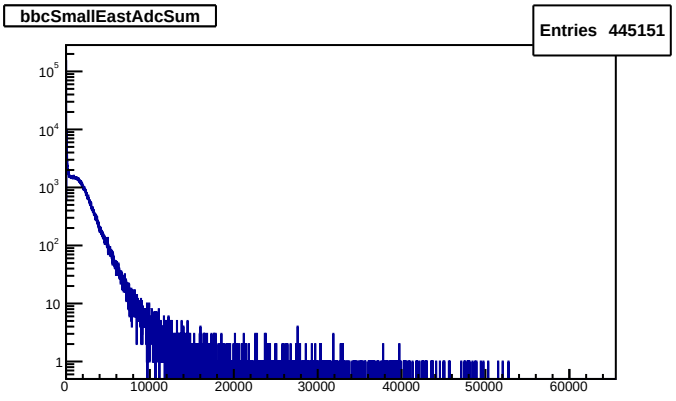

EQ2 QTC
Entries 4.27345e+07
TADC
QT Input Channel

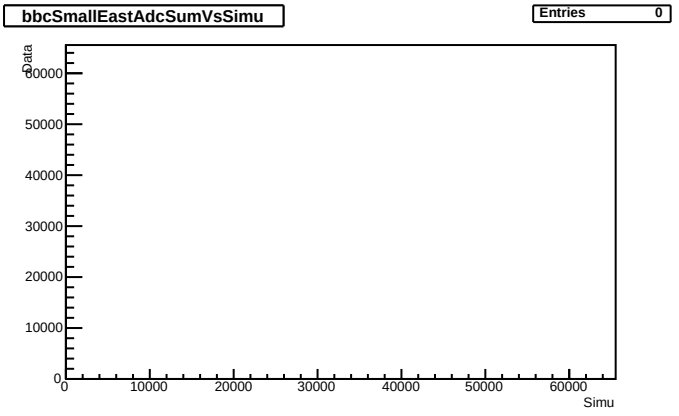

EQ3 QTB
Entries 1.139587e+08
ADC
QT Input Channel

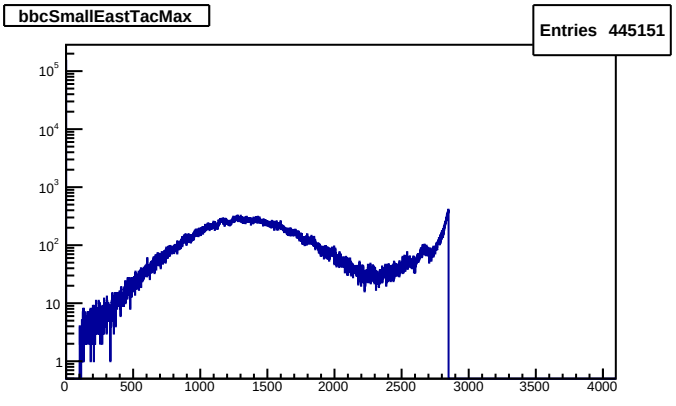

EQ3 QTB
Entries 3.607328e+07
TDC
QT Input Channel

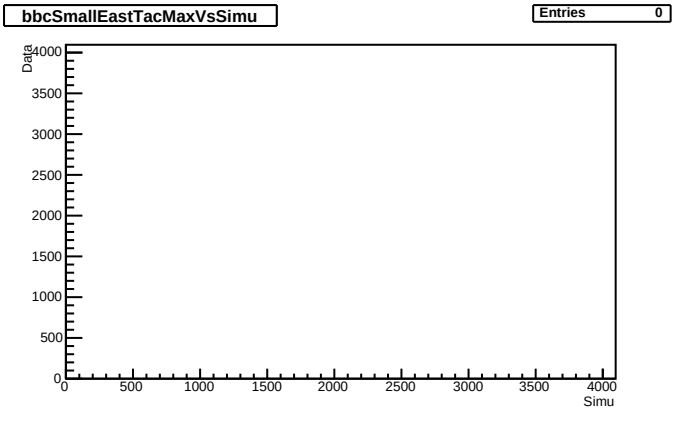

EQ3 QTC
Entries 4.27345e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.27345e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 445151


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 445151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Entries 0
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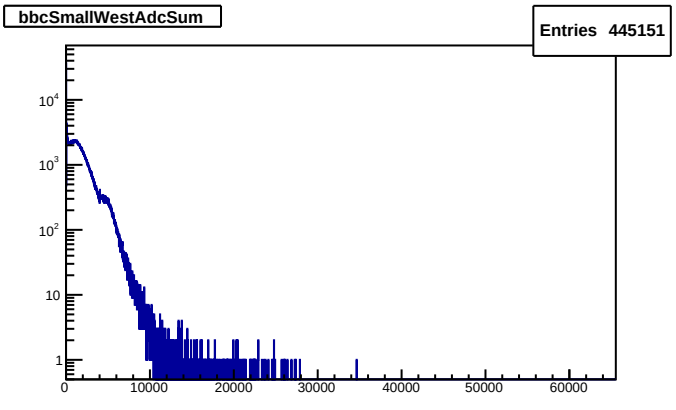
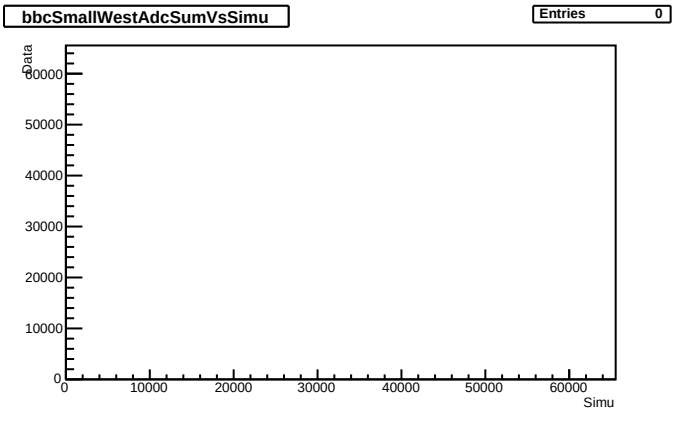
Simu


bbcSmallWestAdcSum
Entries 445151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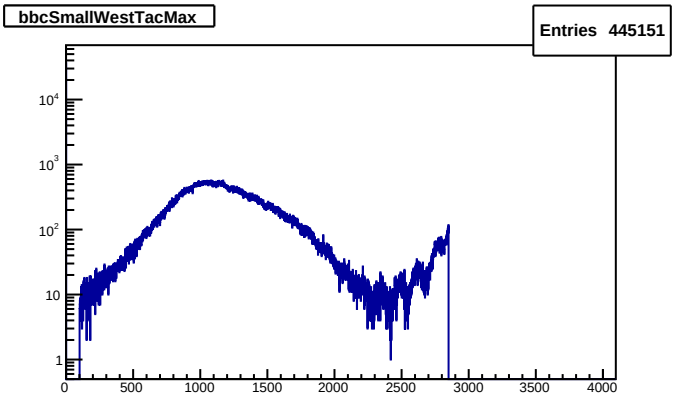
Entries 0
Data
Simu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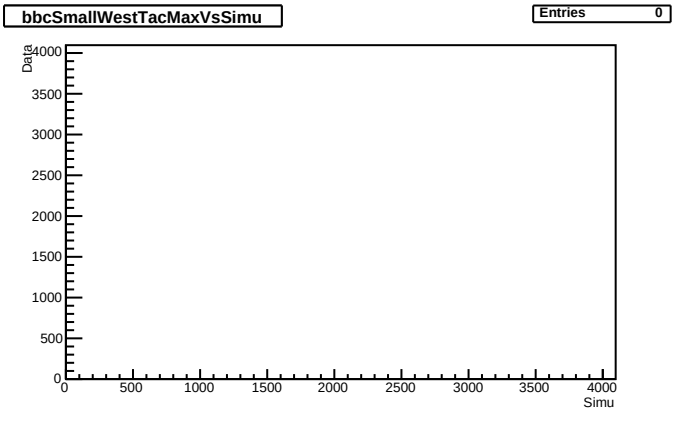
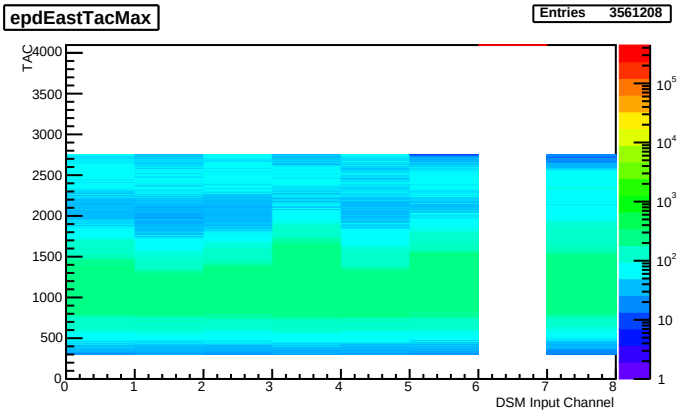
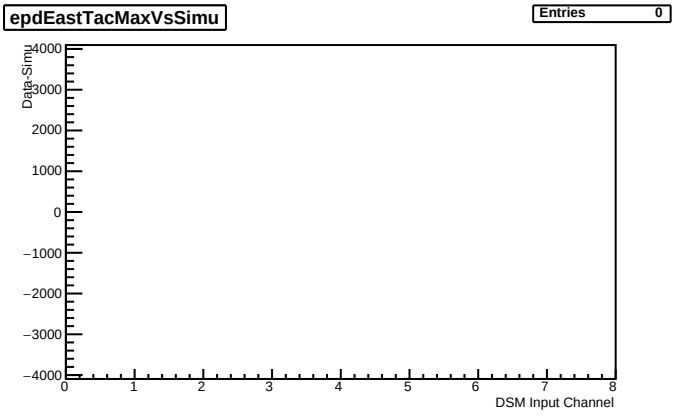
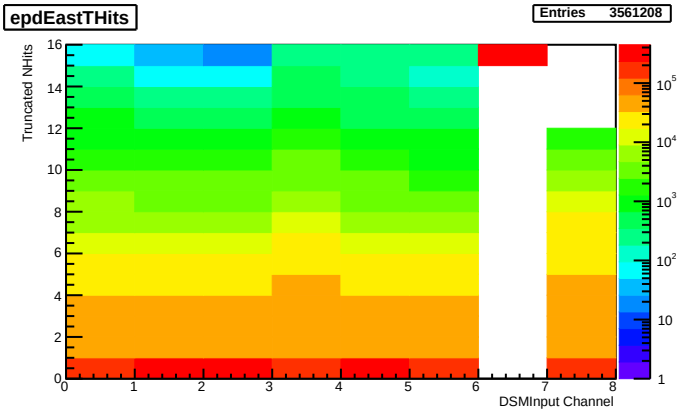
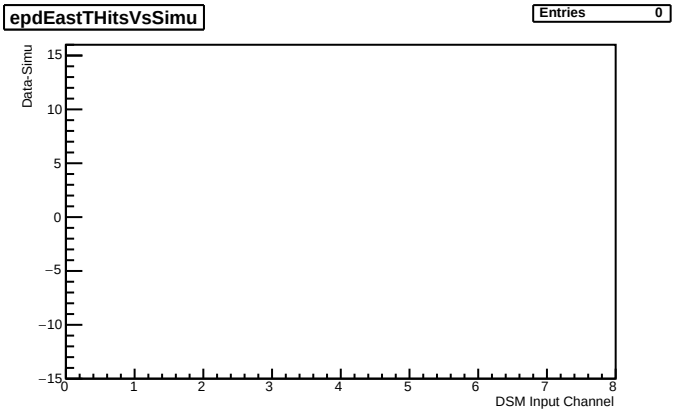
Entries 445151


bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 3561208
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3561208
Truncated NHits
DSMInput Channel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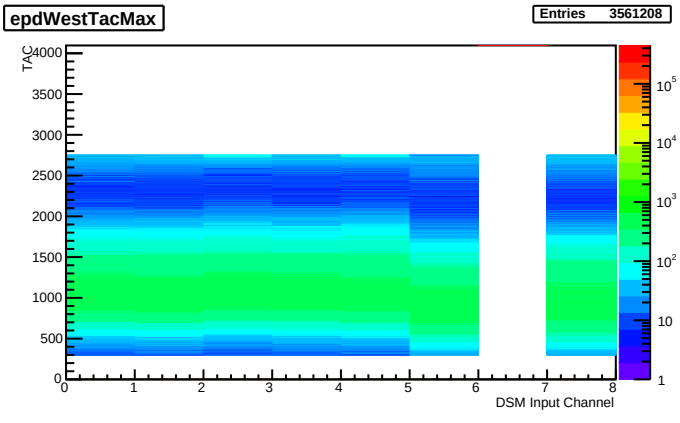
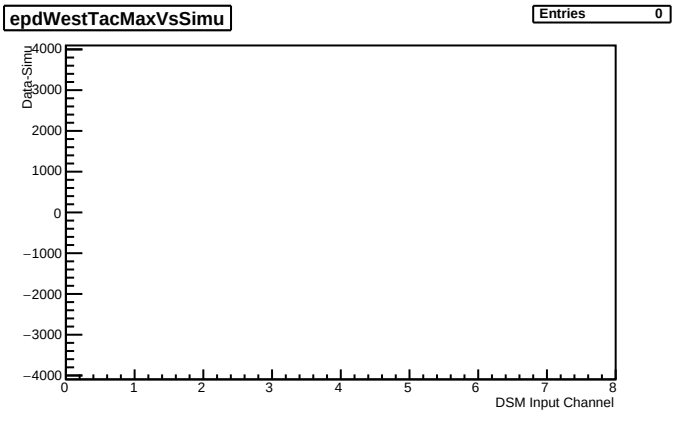
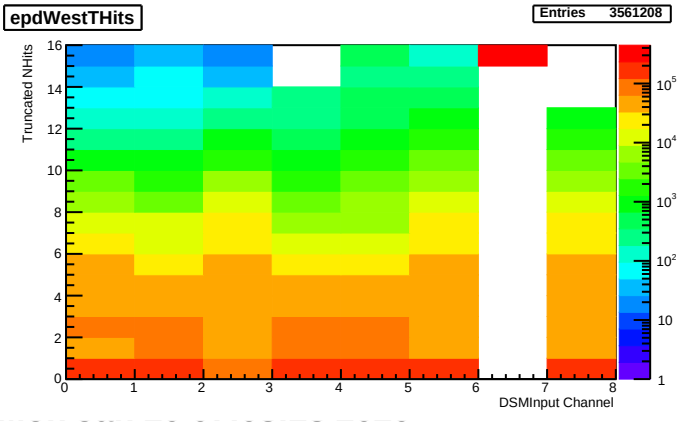
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3561208
TAC
DSM Input Channel


epdWestTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel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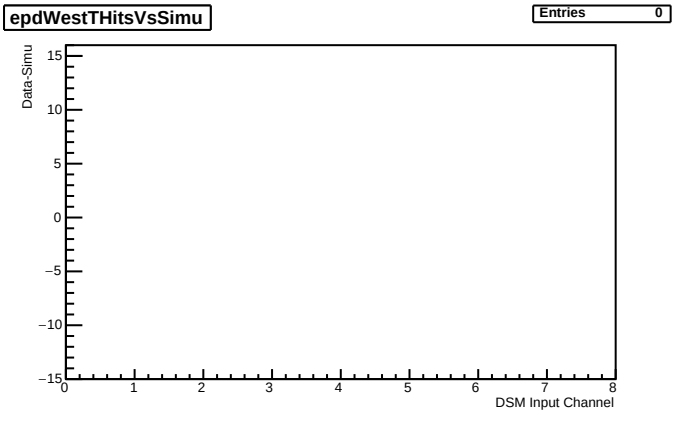
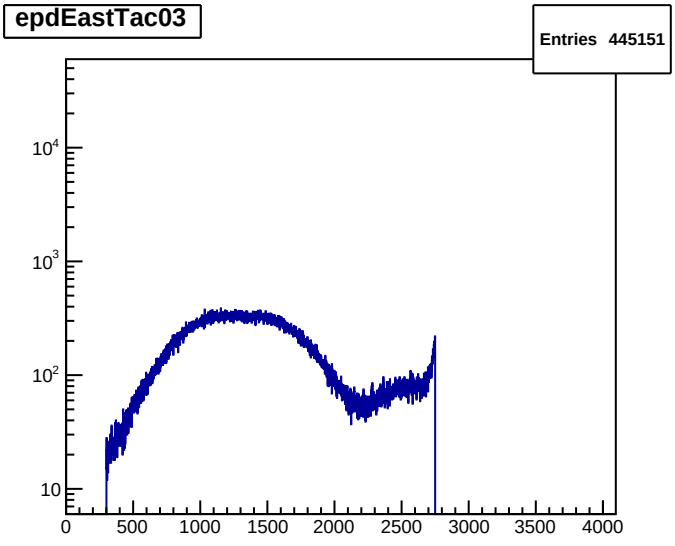
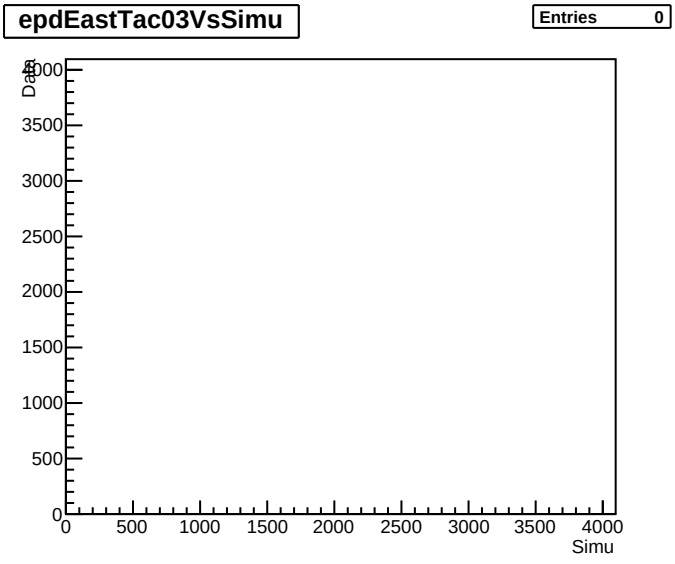
Entries 3561208
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 445151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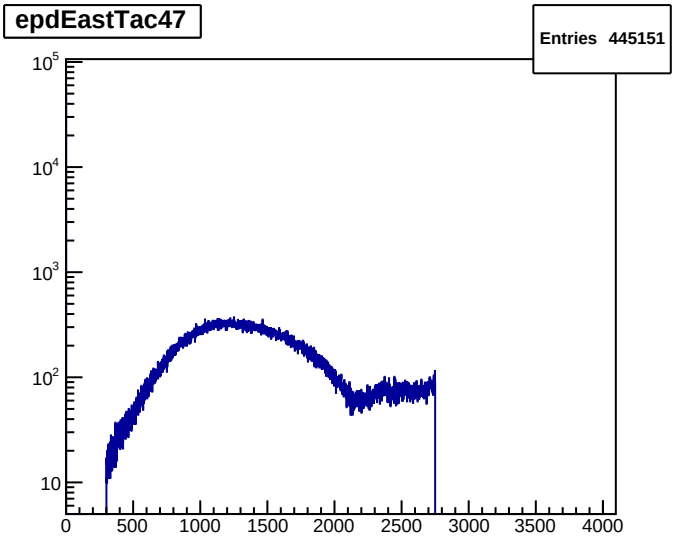
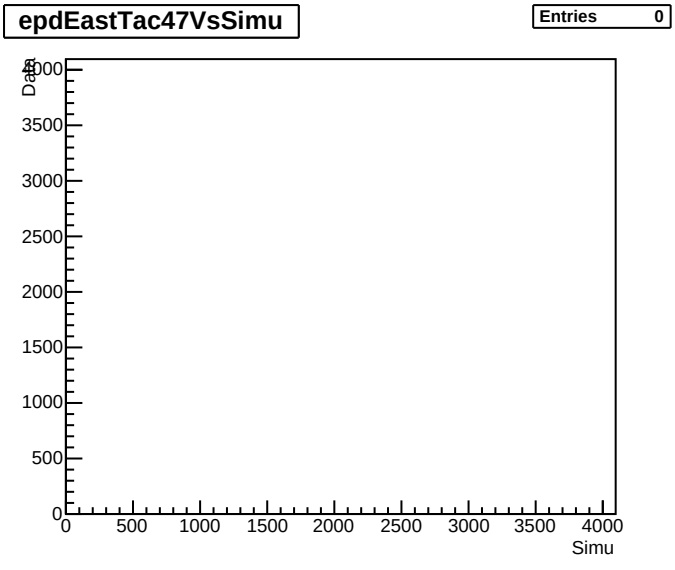
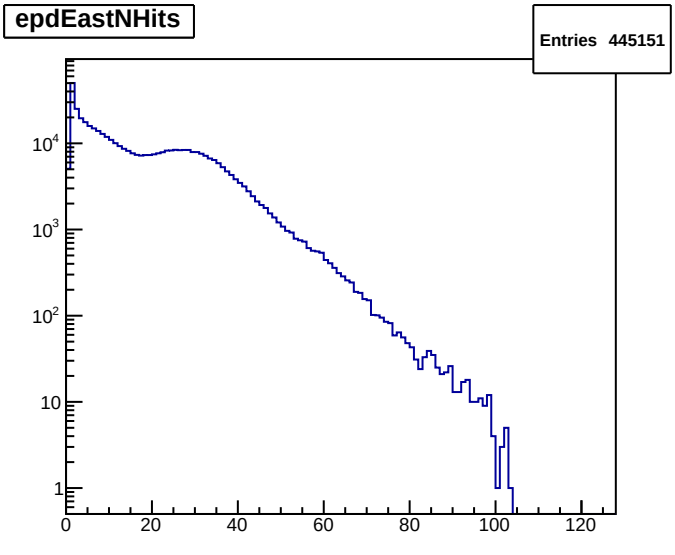
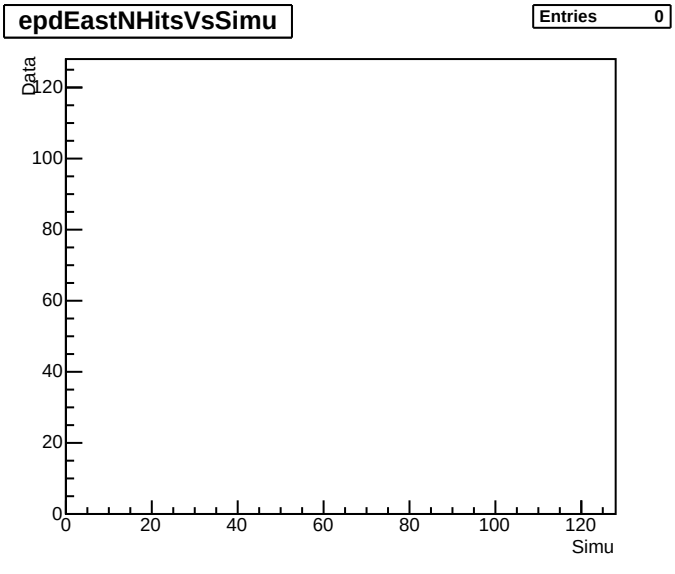
Entries 0
Data
Simu


epdEastTac47
Entries 445151


epdEastTac47VsSimu
Entries 0
Data
Simu


epdEastNHits
Entries 445151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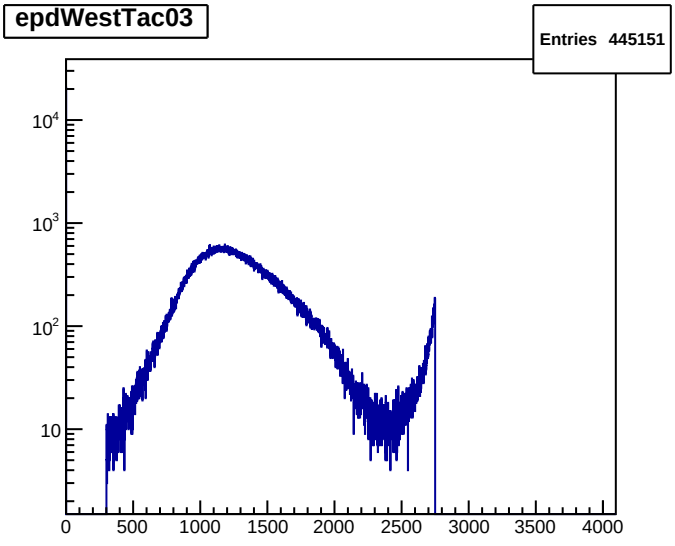
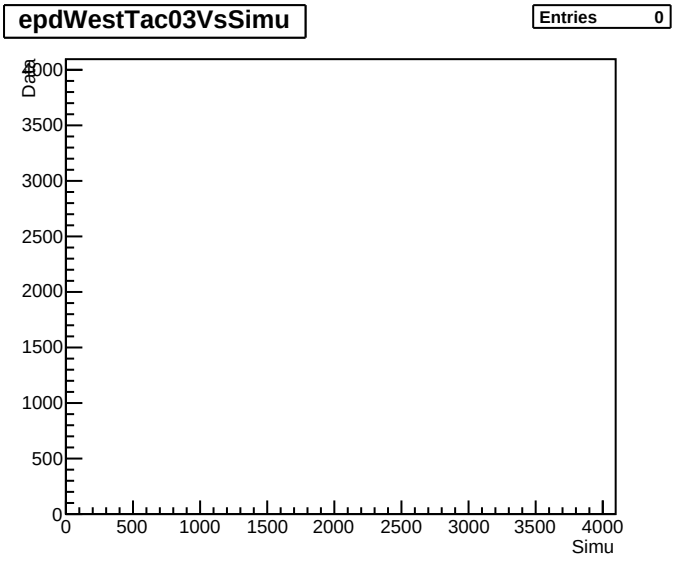
Entries 0
Data
Simu


epdWestTac03
Entries 445151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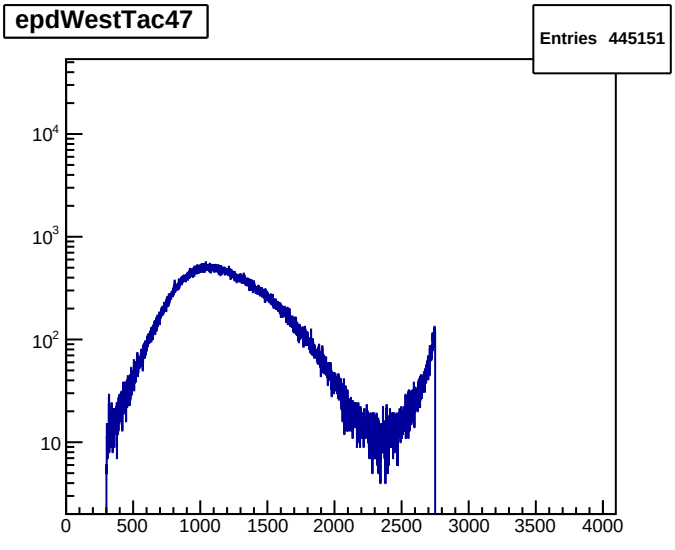
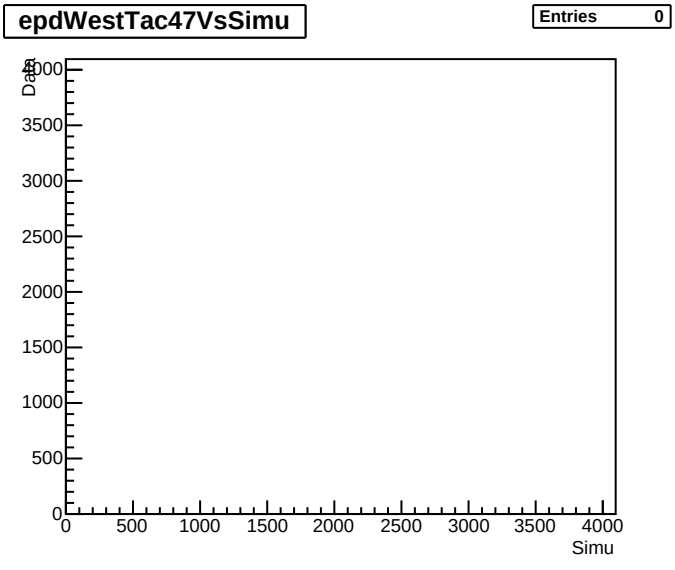
Entries 0
Data
Simu


epdWestTac47
Entries 445151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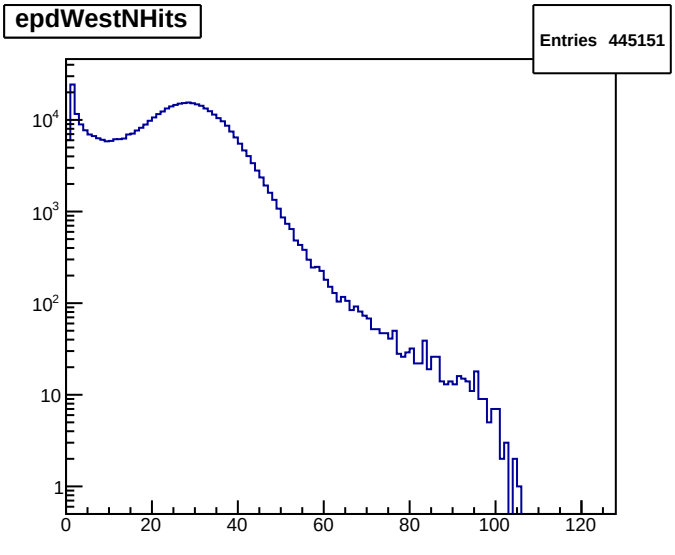
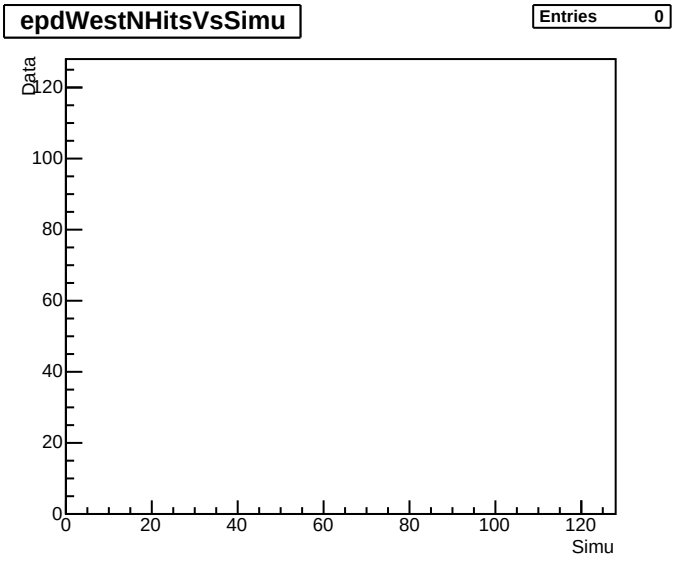
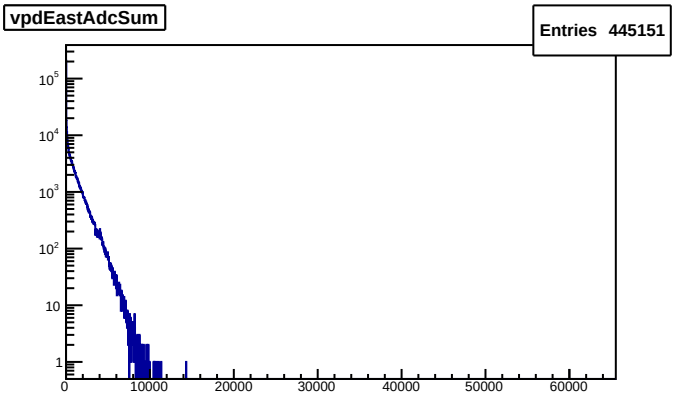
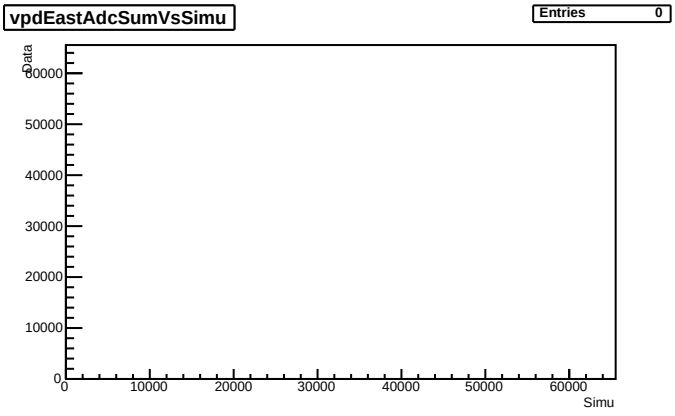
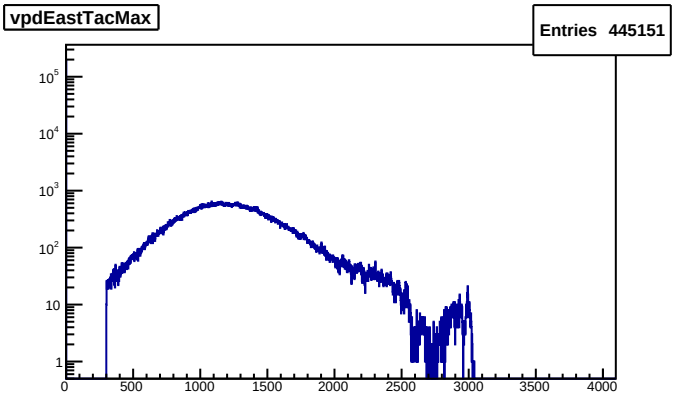
Entries 0
Data
Simu

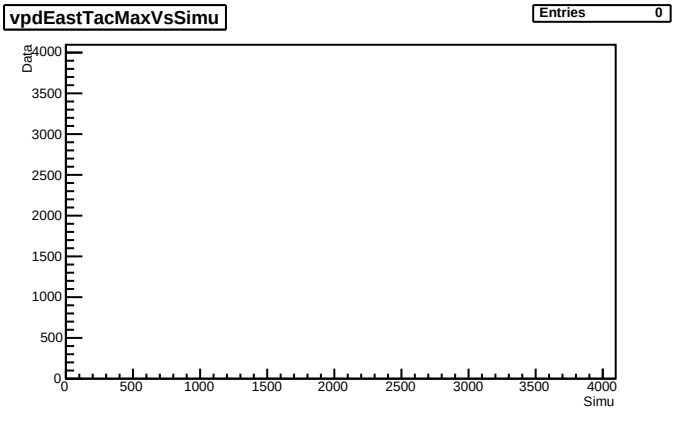

epdWestNHits
Entries 445151

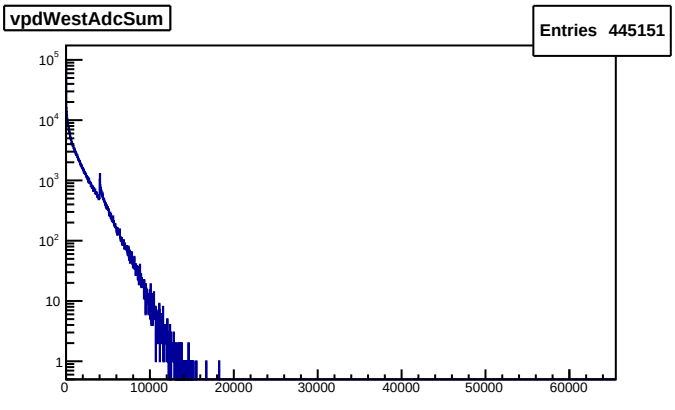

epdWestNHitsVsSimu
Entries 0
Data
Simu

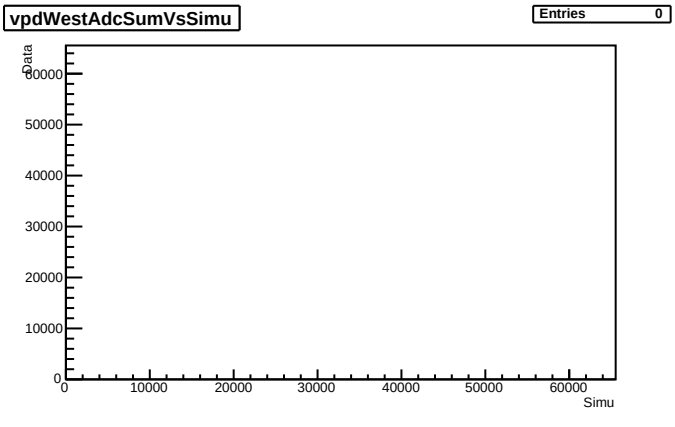

vpdEastAdcSum
Entries 445151

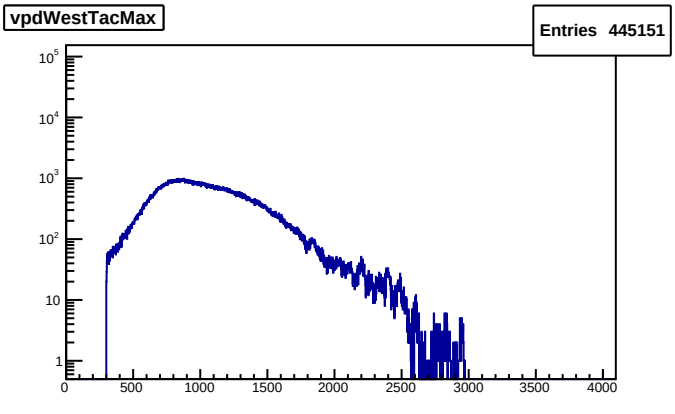

vpdEastAdcSumVsSimu
Entries 0
Data
Simu

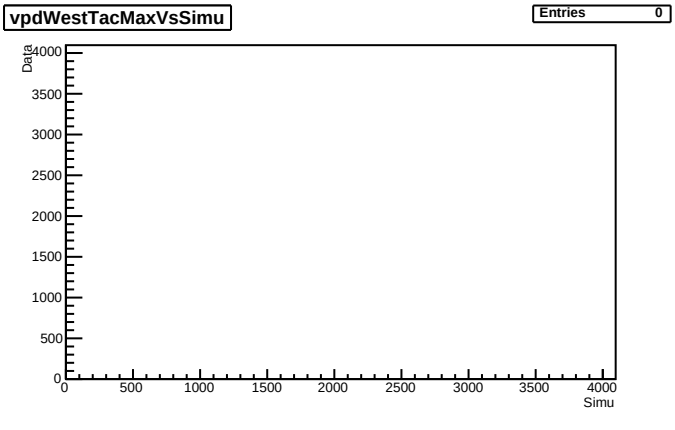

vpdEastTacMax
Entries 445151

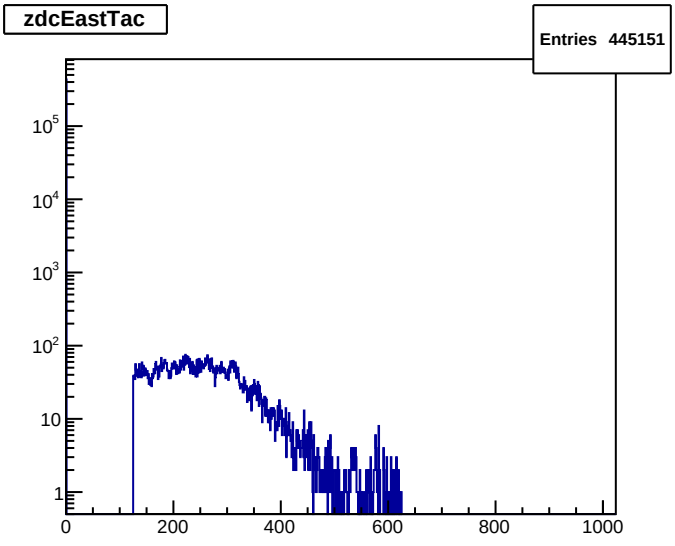

vpdEastTacMaxVsSimu
Entries 0
Data
Simu

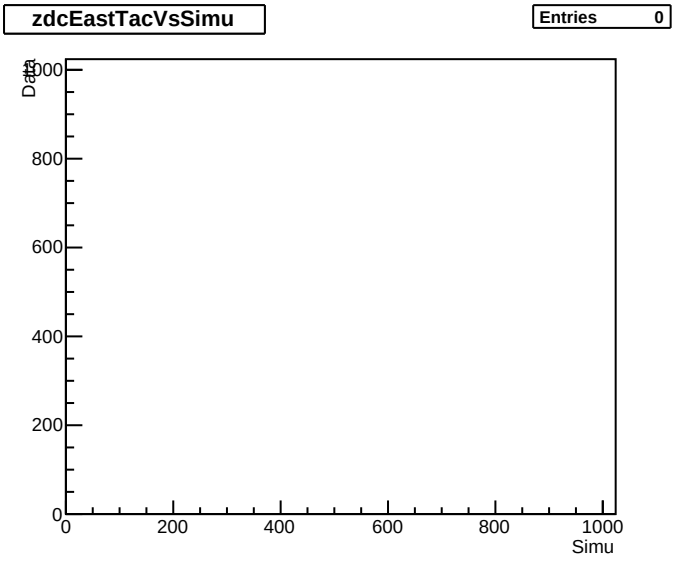

vpdWestAdcSum
Entries 445151

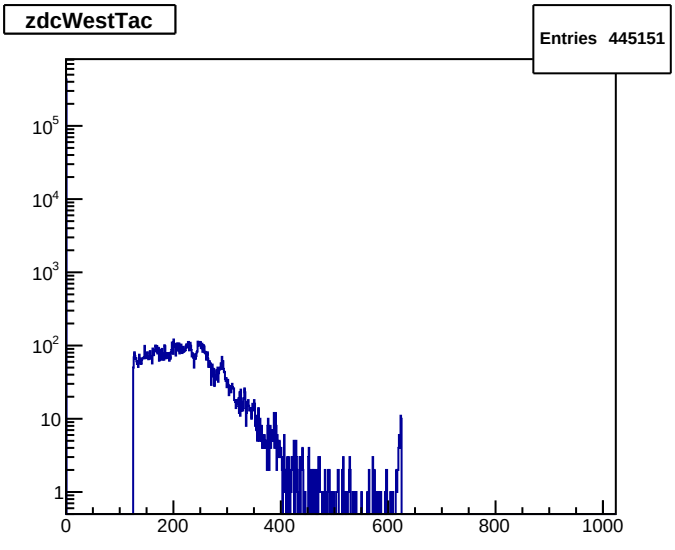

vpdWestAdcSumVsSimu
Entries 0
Data
Simu

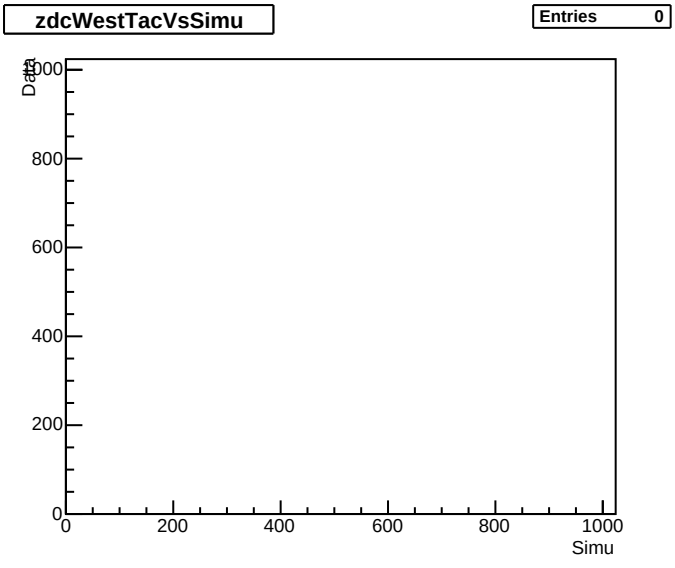

vpdWestTacMax
Entries 445151

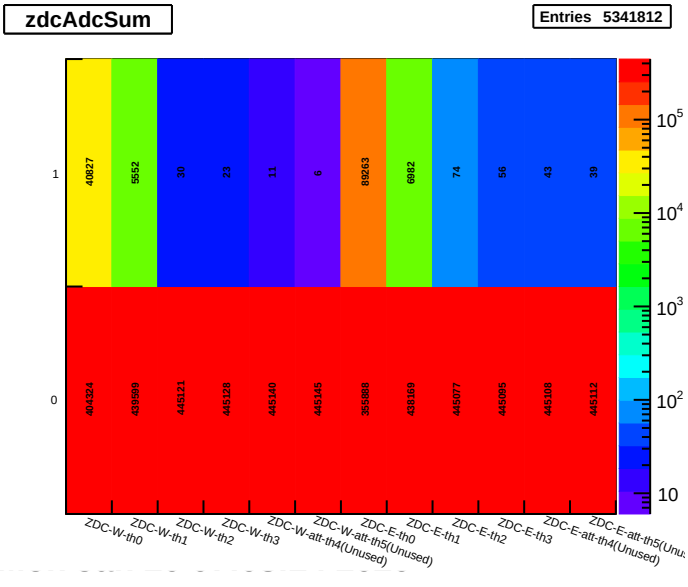

vpdWestTacMaxVsSimu
Entries 0
Data
Simu

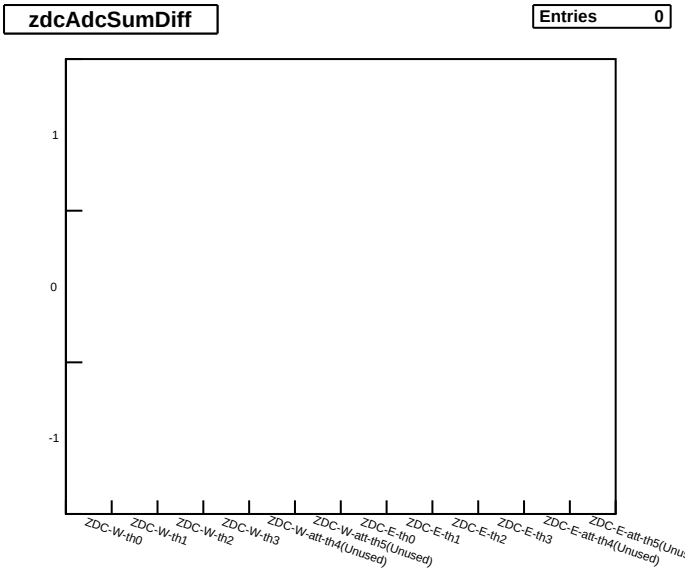

zdcEastTac
Entries 445151
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

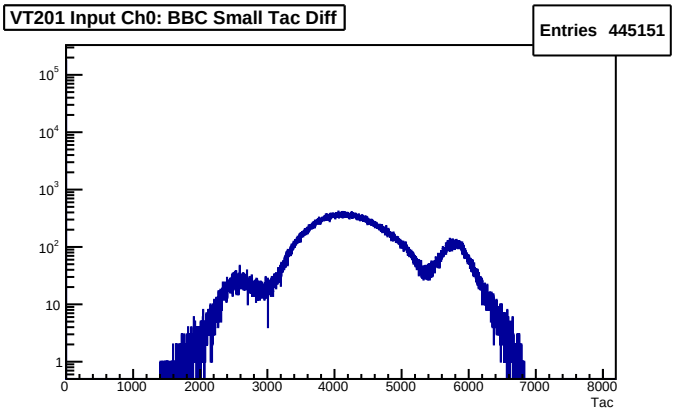

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

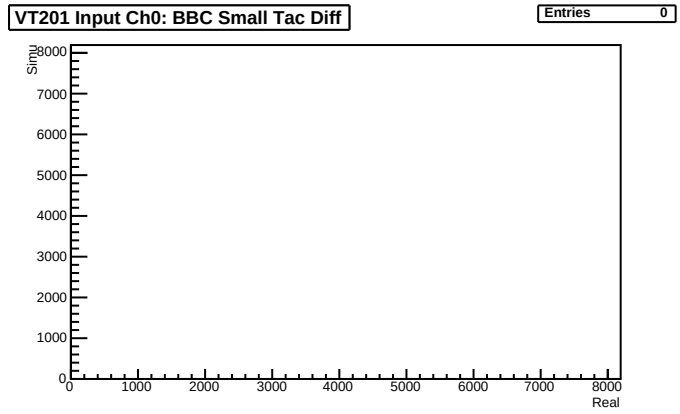

zdcWestTac
Entries 445151
10^5
10^4
10^3
10^2
10
1
0
200
400
600
800
1000

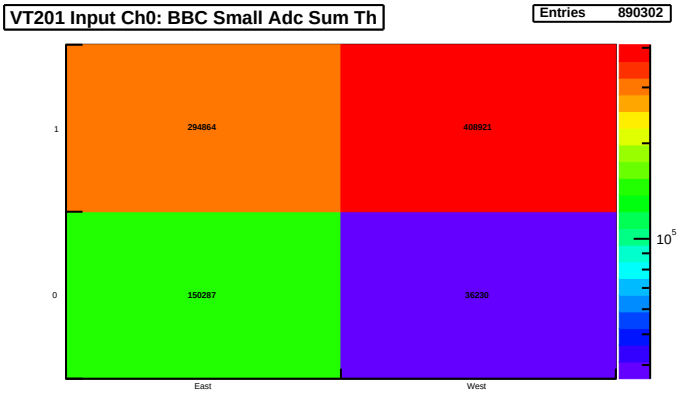

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

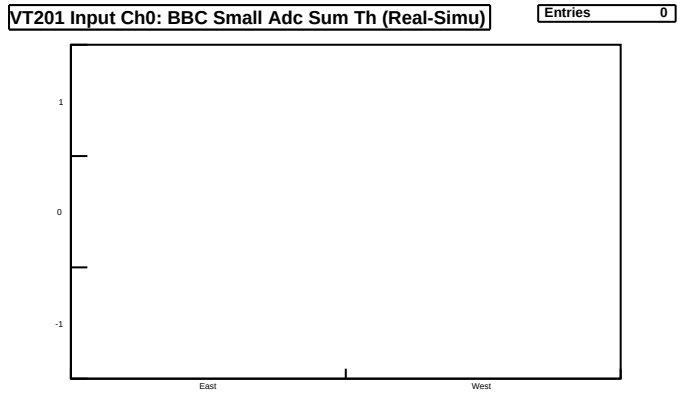

zdcAdcSum
Entries 5341812
1
0
40827
5552
30
23
11
6
89263
6982
74
56
43
39
404324
439999
445121
445128
445140
445145
355888
438169
445077
445095
445108
445112
10^5
10^4
10^3
10^2
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

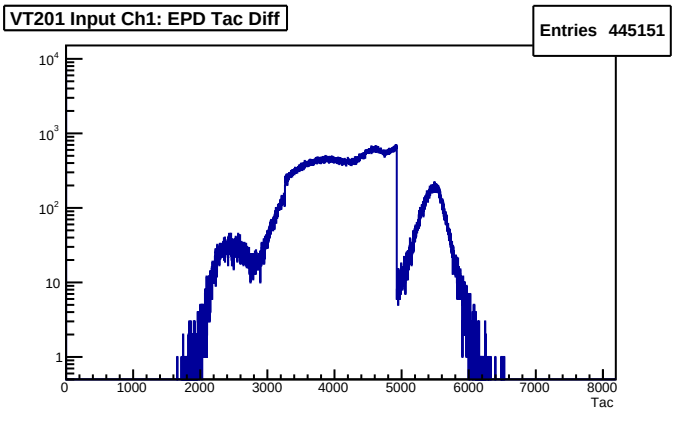

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

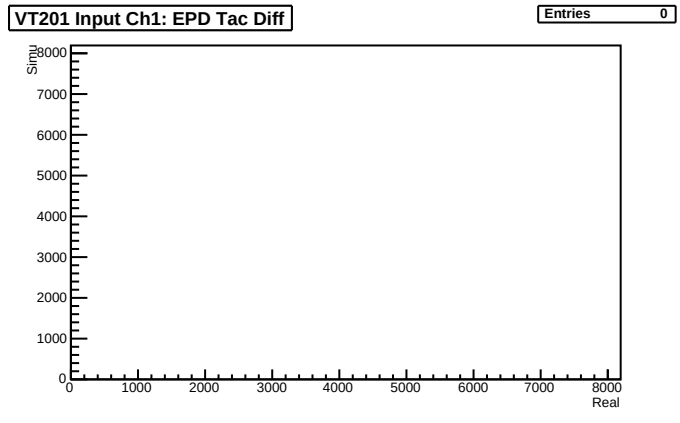

VT201 Input Ch0: BBC Small Tac Diff
Entries 445151
Tac

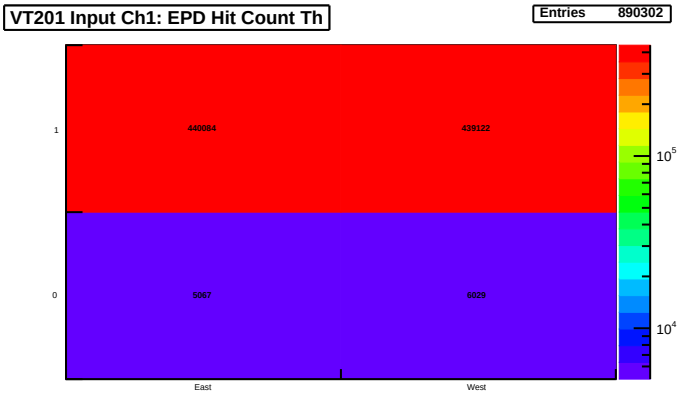

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

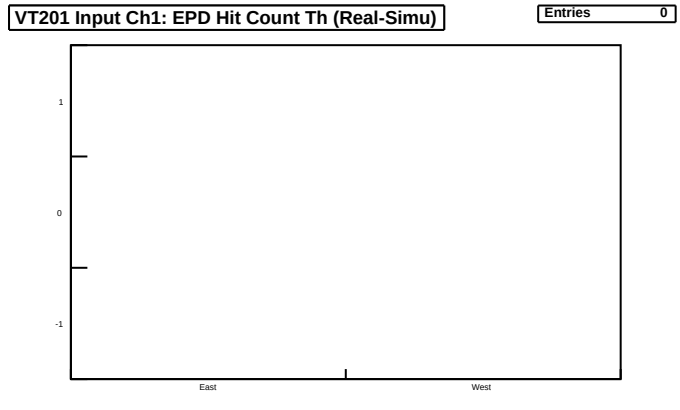

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 890302
294864
408921
150287
36230
East
West

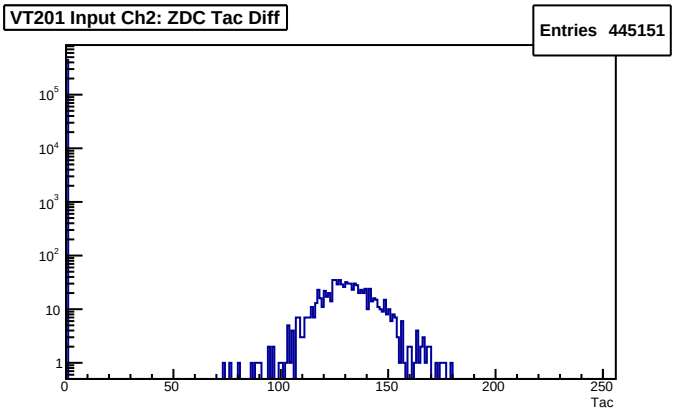

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

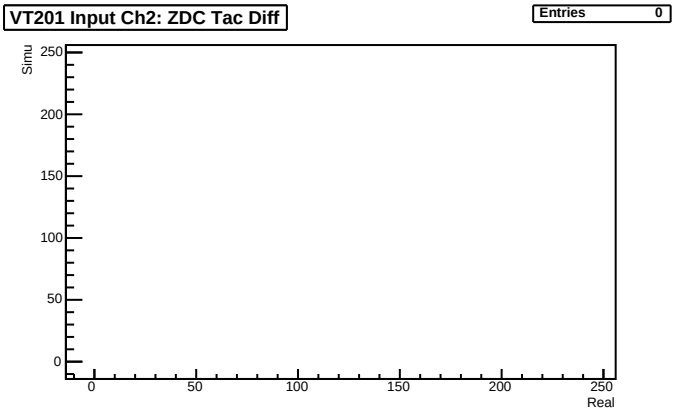

VT201 Input Ch1: EPD Tac Diff
Entries 445151
Tac

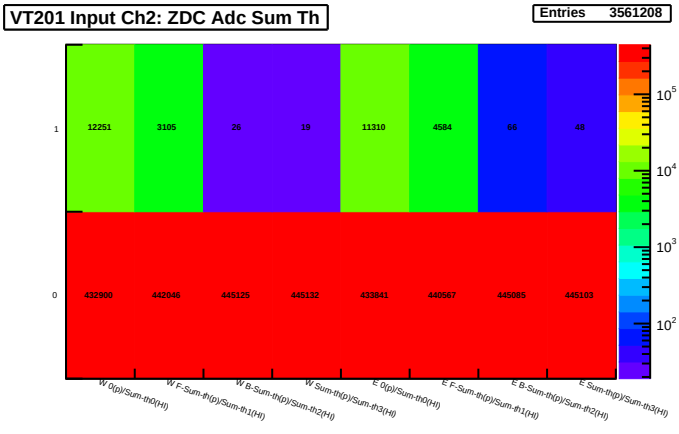

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

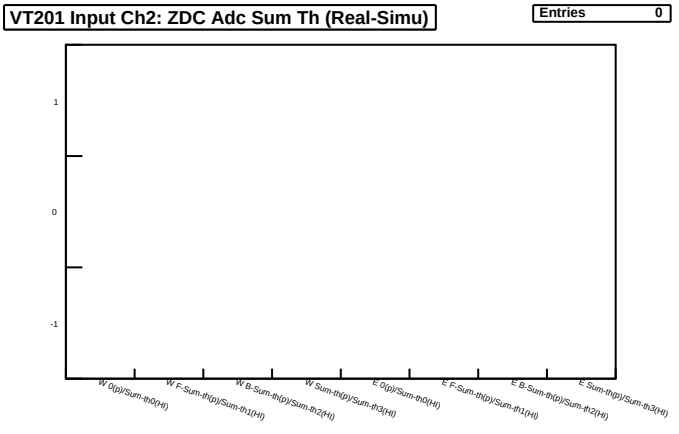

VT201 Input Ch1: EPD Hit Count Th
Entries 890302
440084
439122
5067
6029
East
West

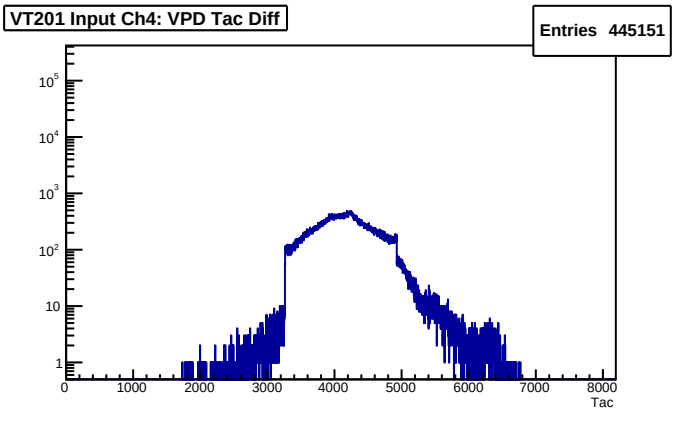

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

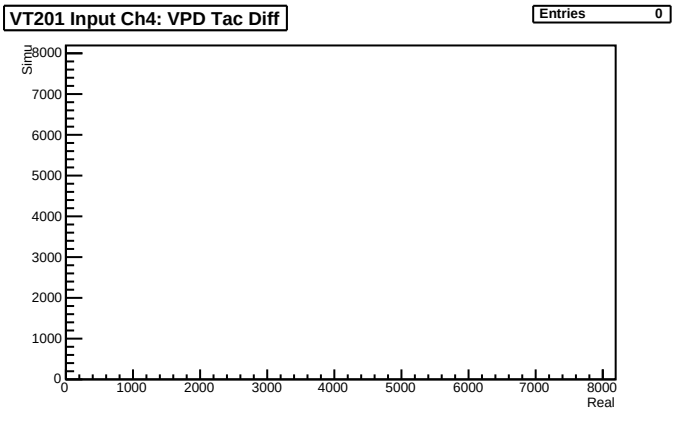

VT201 Input Ch2: ZDC Tac Diff
Entries 445151
Tac

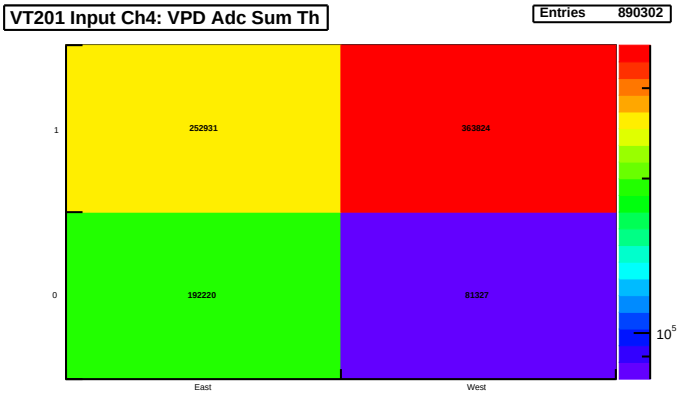

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

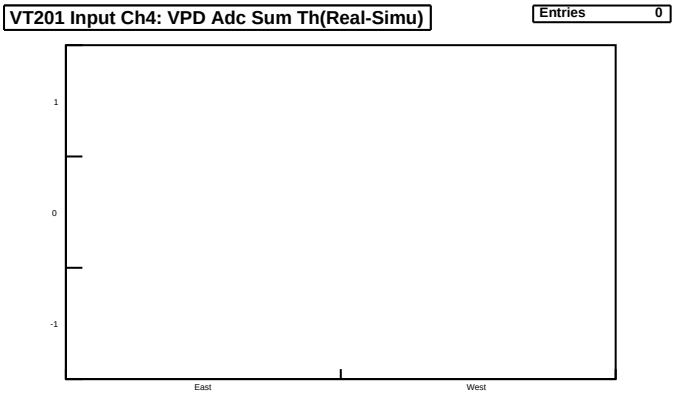

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3561208
12251
3105
26
19
11310
4584
66
48
432900
442046
445125
445132
433841
440567
445085
445103
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

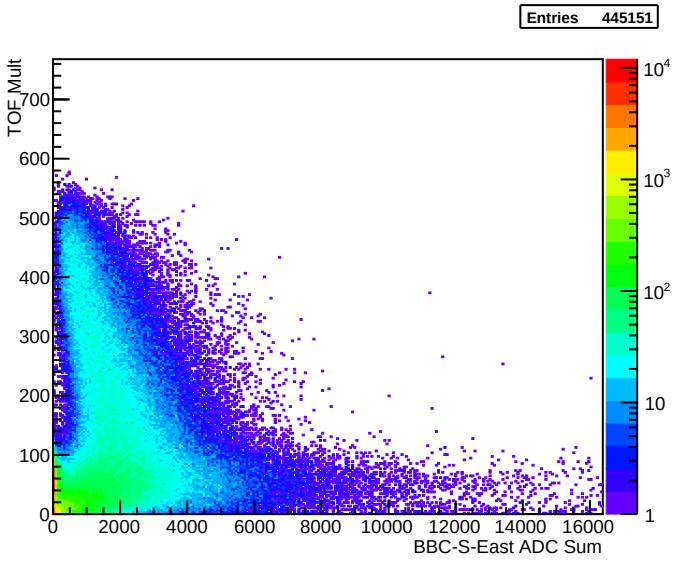

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

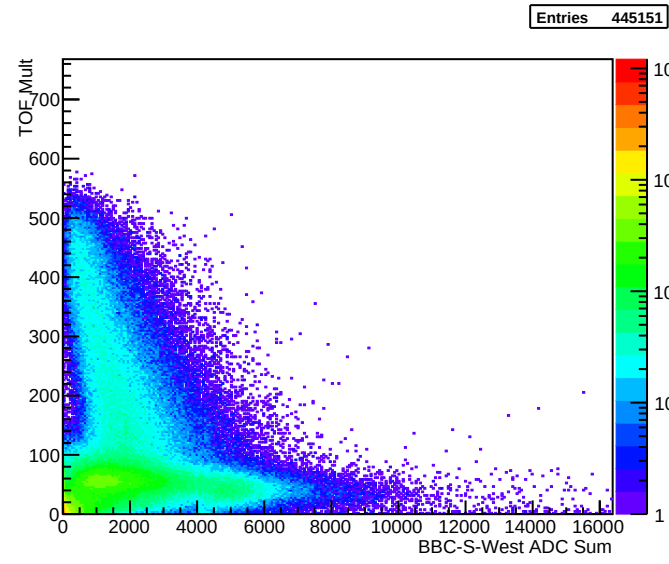

VT201 Input Ch4: VPD Tac Diff
Entries 445151
Tac

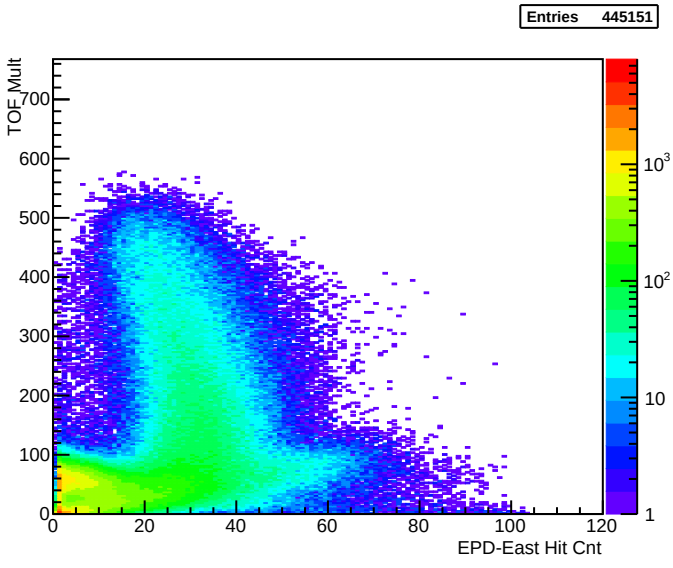

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

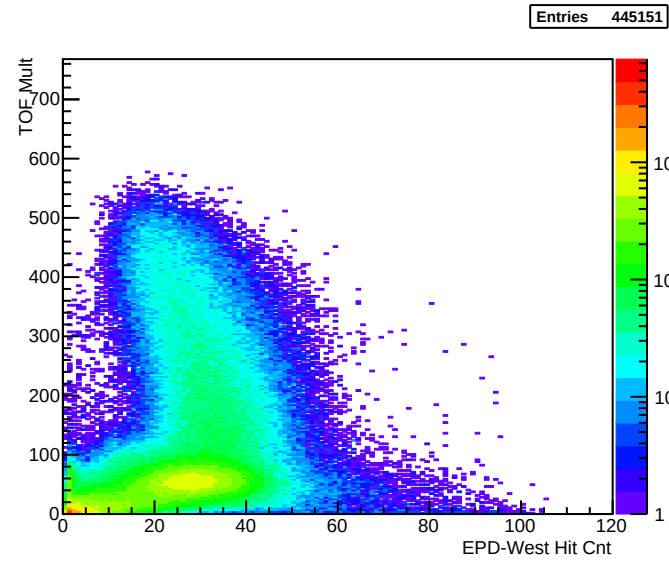

VT201 Input Ch4: VPD Adc Sum Th
Entries 890302
252931
363824
192220
81327
East
West

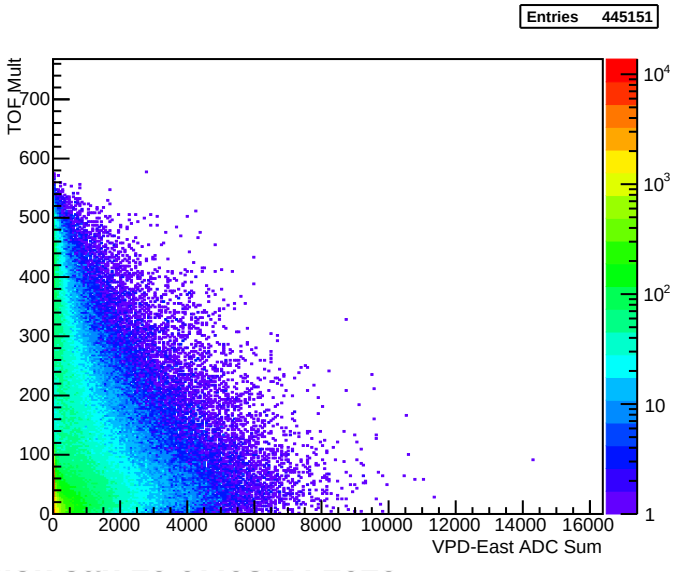

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

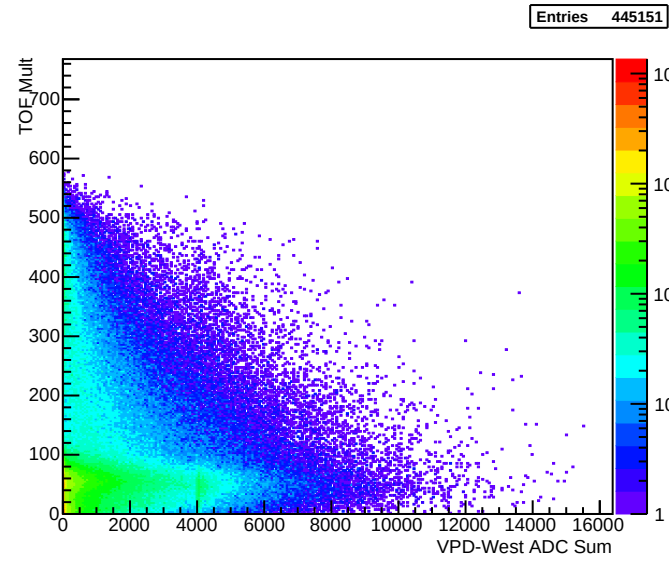

Entries 445151
TOF_Mult
BBC-S-East ADC Sum

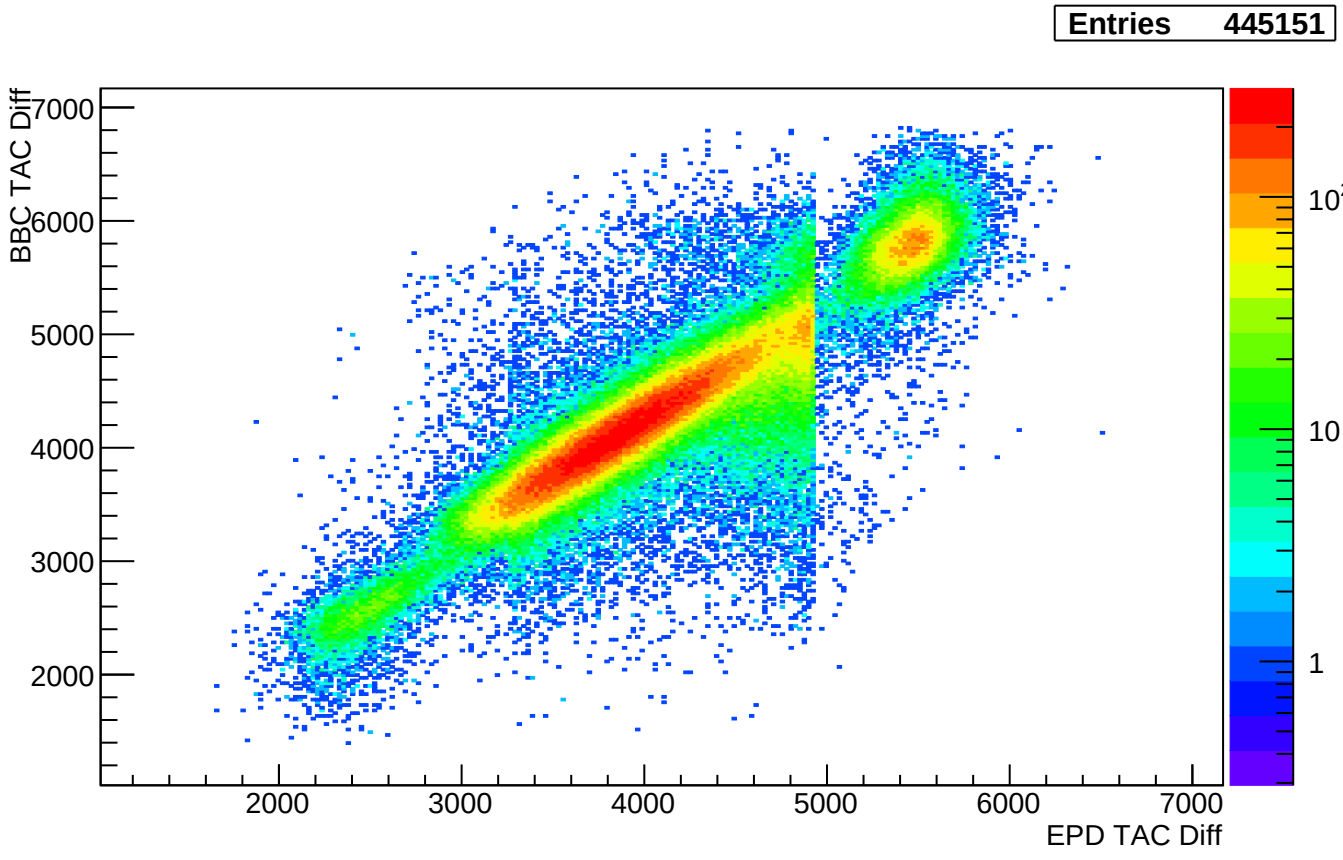

Entries 445151
TOF_Mult
BBC-S-West ADC Sum

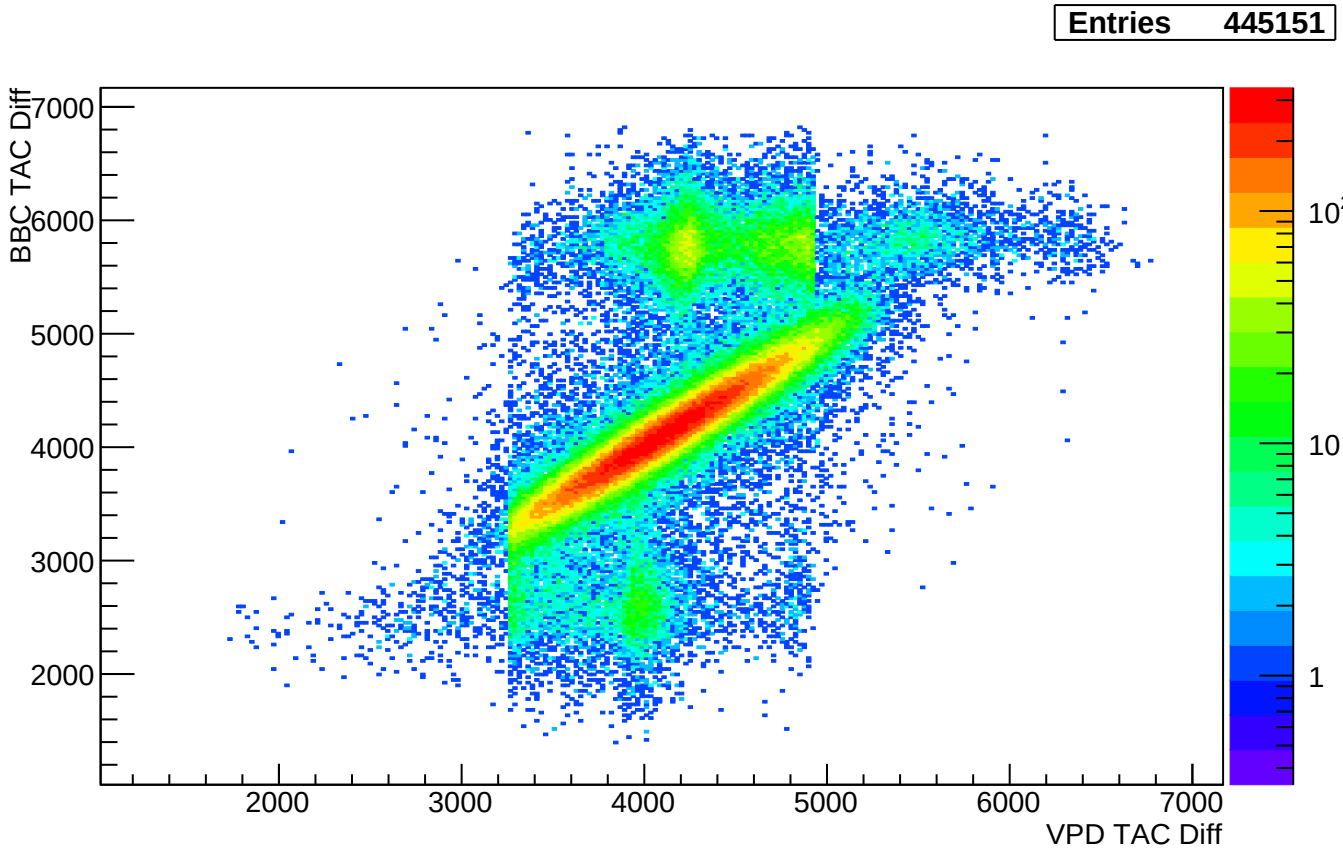

Entries 445151
TOF_Mult
EPD-East Hit Cnt

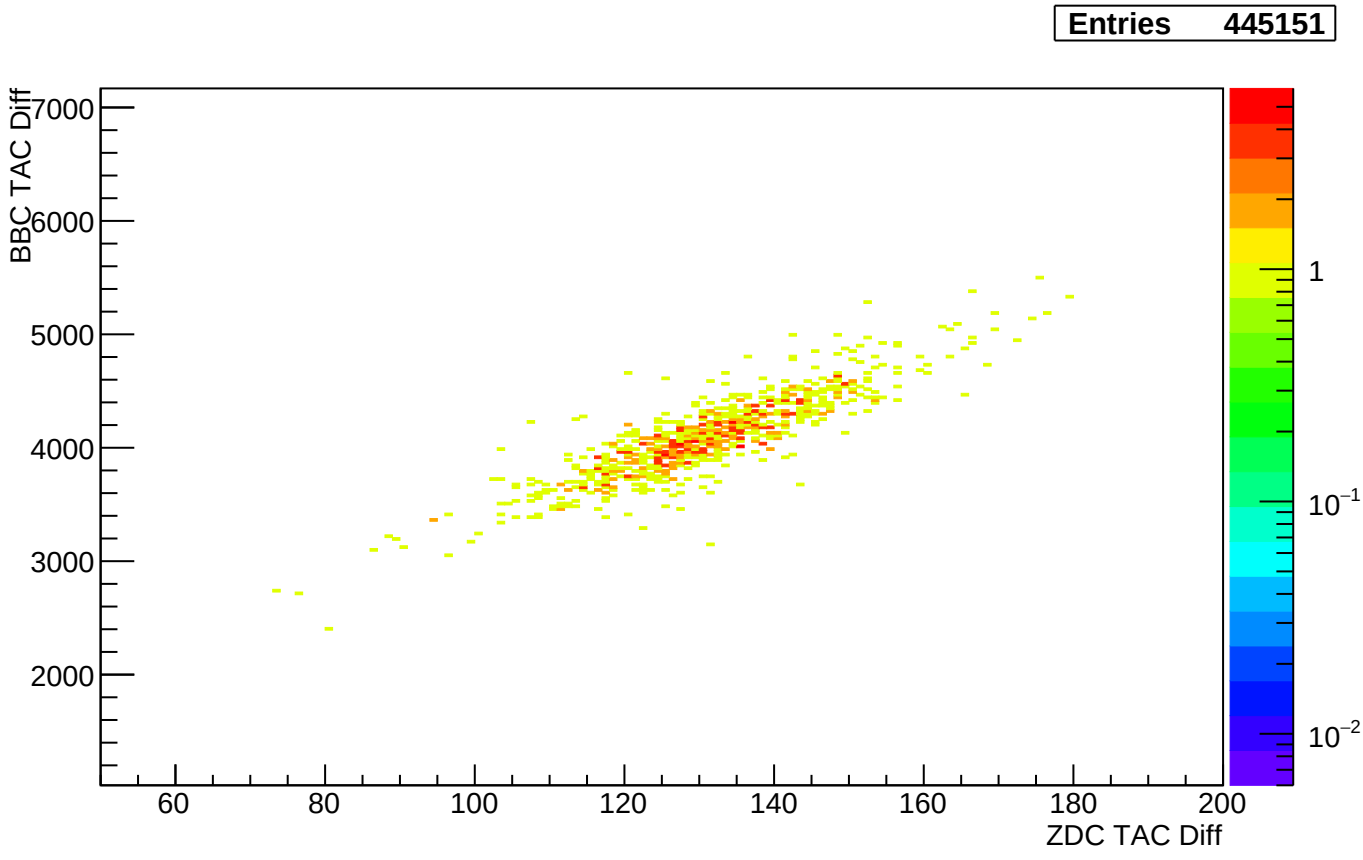

Entries 445151
TOF_Mult
EPD-West Hit Cnt

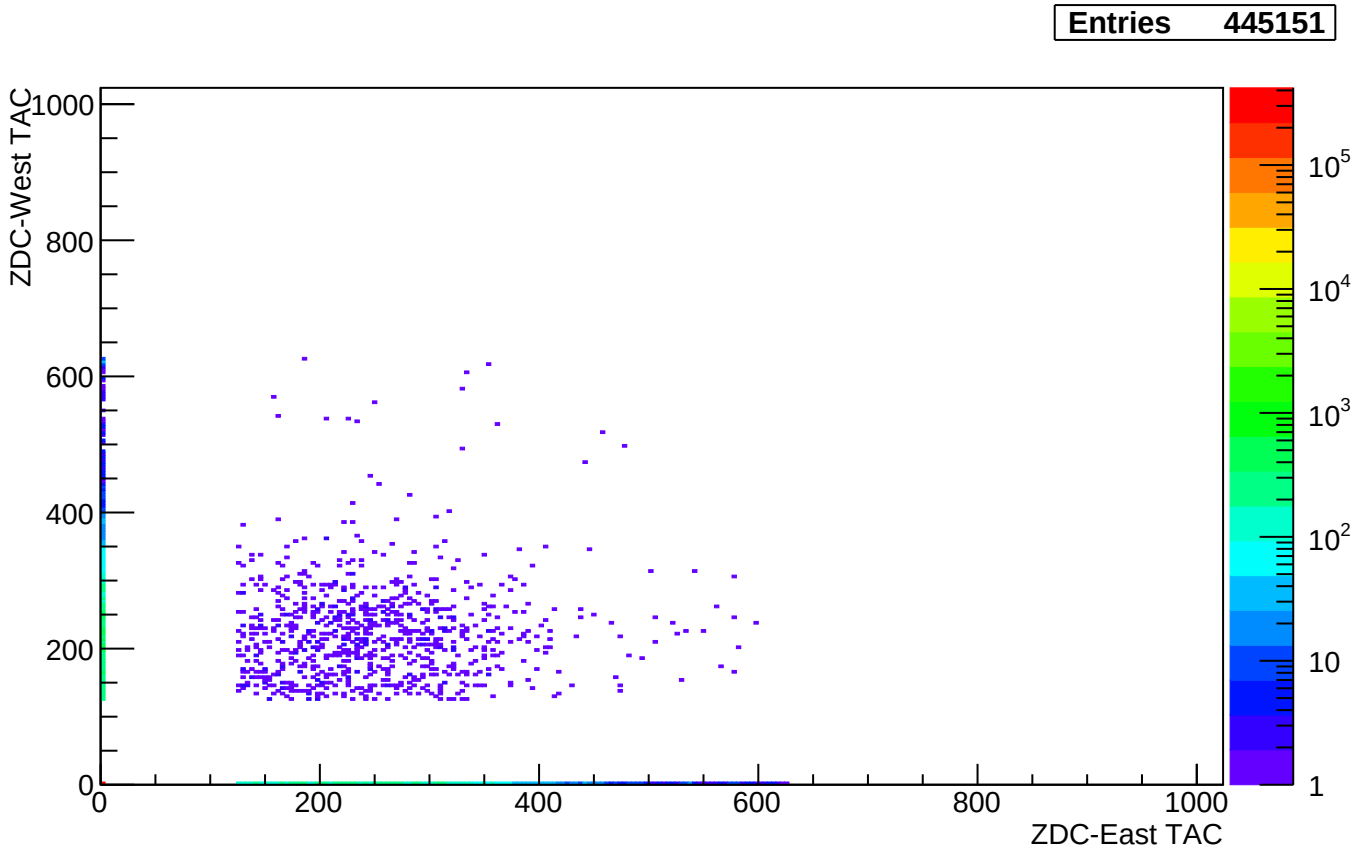

Entries 445151
TOF_Mult
VPD-East ADC Sum

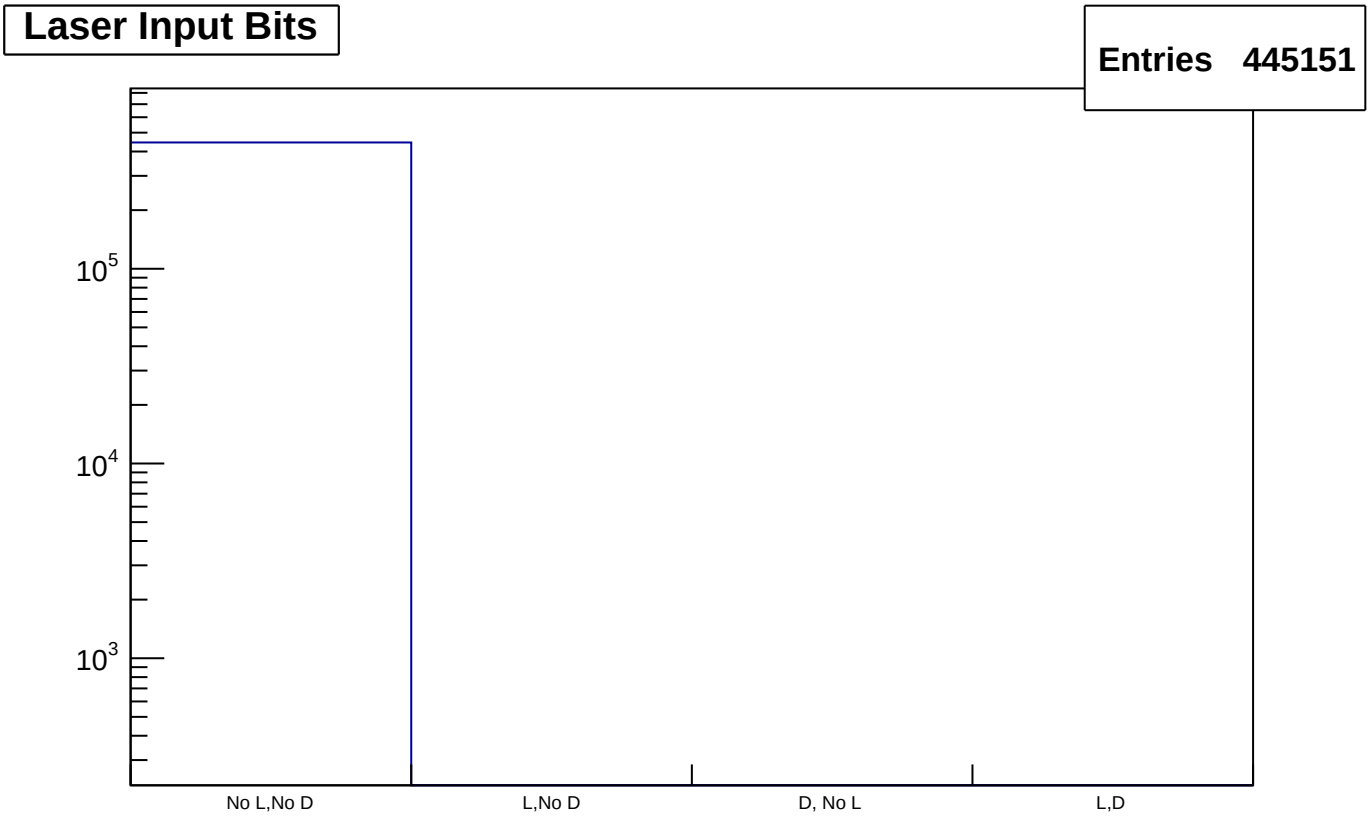

Entries 445151
TOF_Mult
VPD-West ADC Sum

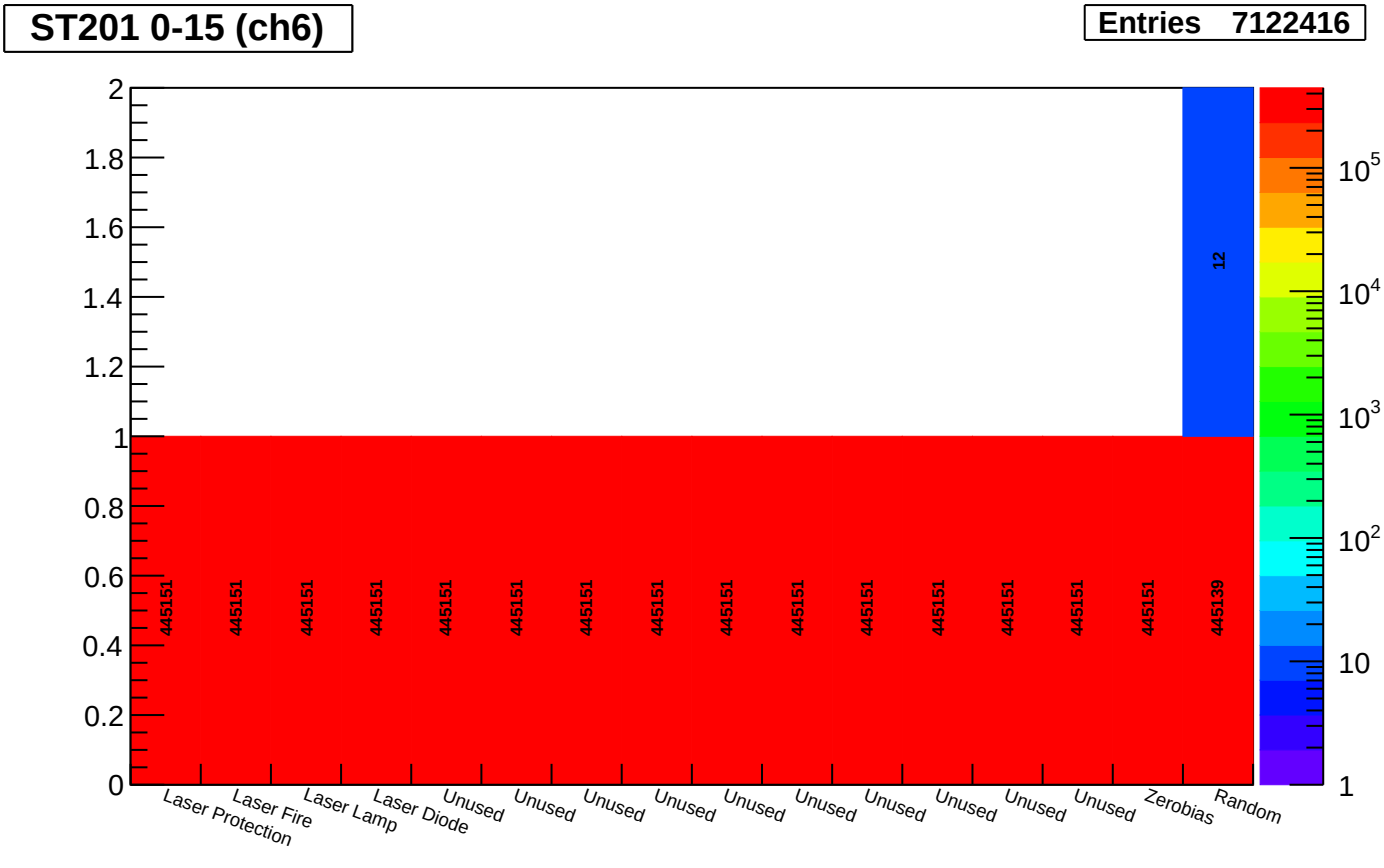

Entries 445151
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
10^2
10
1

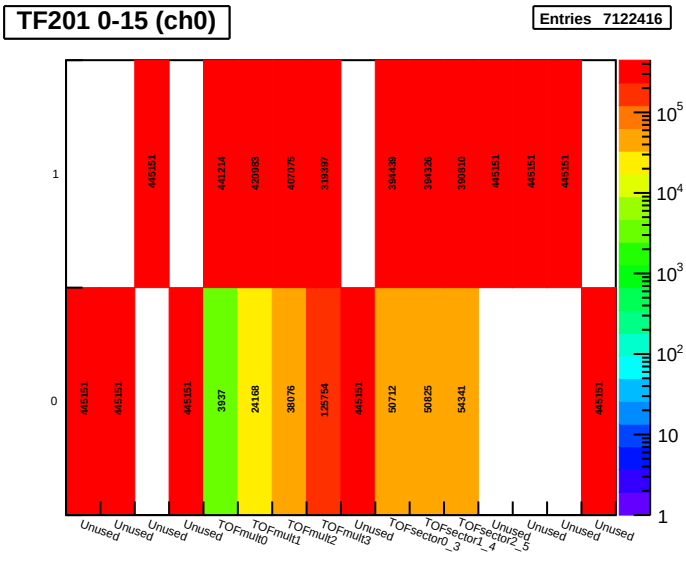

Entries 445151
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10^2
10
1

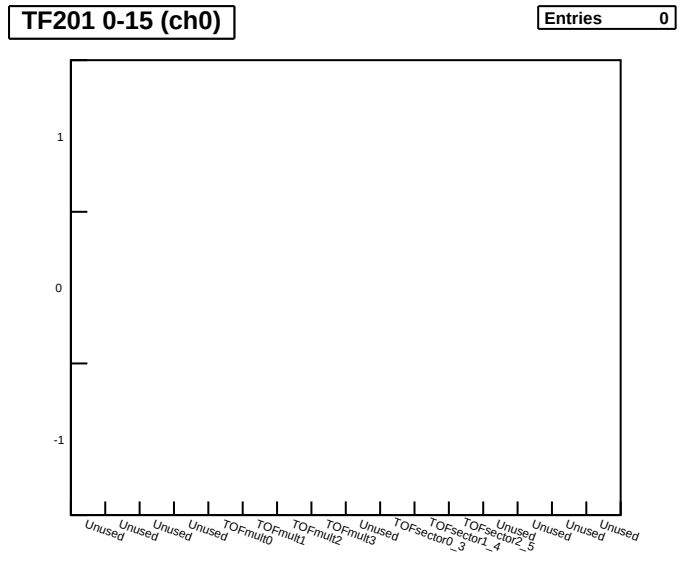

Entries 445151
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

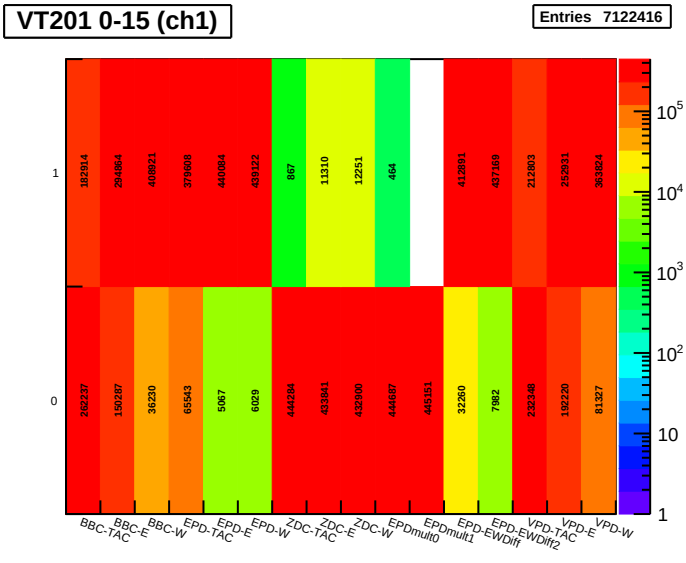

Entries 445151
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

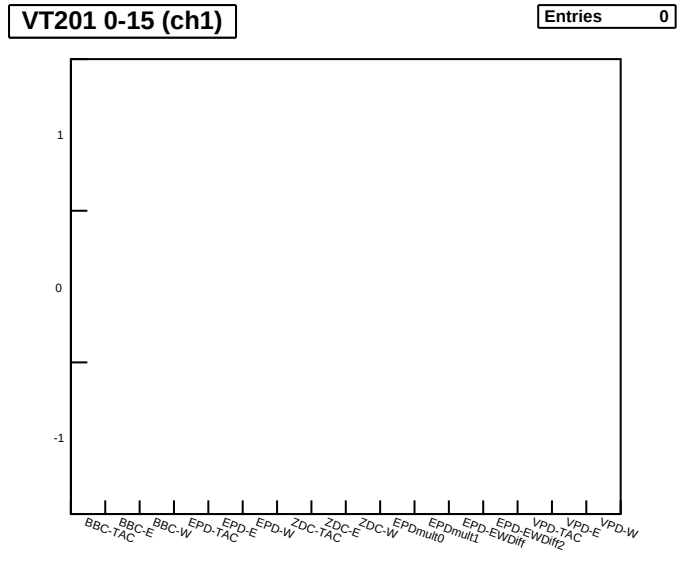

Laser Input Bits
Entries 445151
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

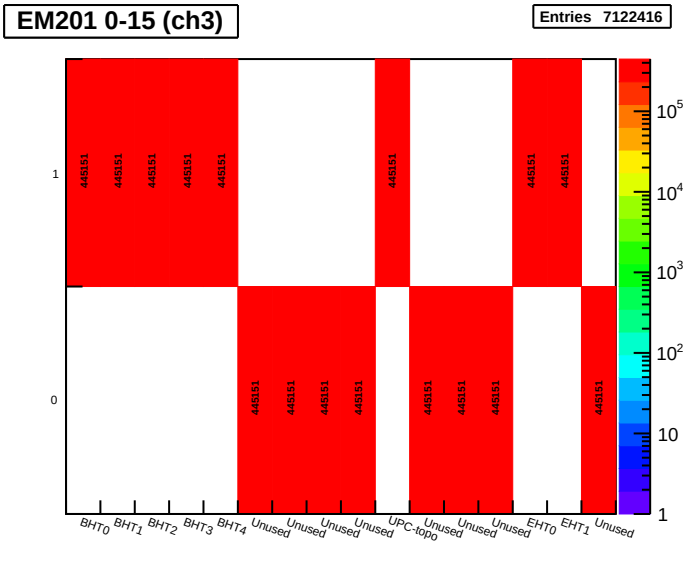

ST201 0-15 (ch6)
Entries 7122416
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
445151
445151
445151
445151
445151
445151
445151
445151
445151
445151
445151
445151
445151
445151
445139
12
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

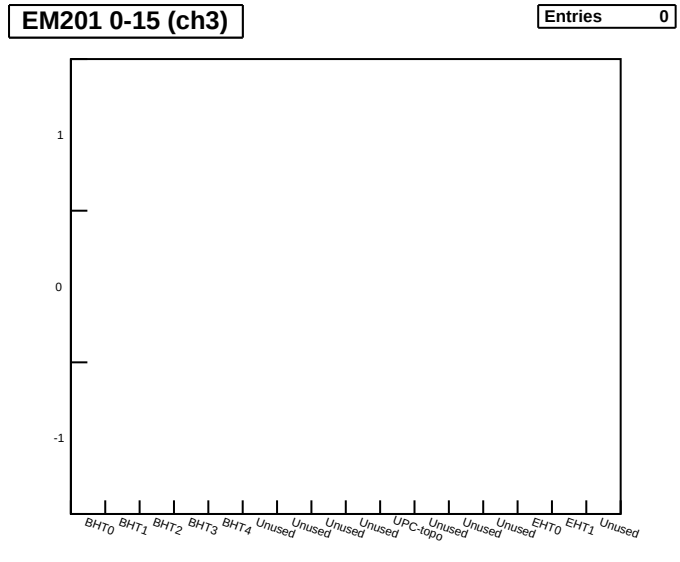

TF201 0-15 (ch0)
Entries 7122416
445151 441214 420983 407075 319397 394439 394326 390810 445151 445151 445151
445151 445151 445151 3937 24168 38076 125754 445151 50712 50825 54341 445151
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused


TF201 0-15 (ch0)
Entries 0
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 7122416
182914 294864 408921 379608 440084 439122 867 11310 12251 464 412891 437169 212803 252931 363824
262237 150287 36230 65543 5067 6029 444284 433841 432900 444687 445151 32260 7982 232346 192220 81327
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


VT201 0-15 (ch1)
Entries 0
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 7122416
445151 445151 445151 445151 445151 445151 445151 445151 445151
445151 445151 445151 445151 445151 445151 445151 445151
BHT0 BHT1 BHT2 BHT3 BHT4 Unused Unused Unused Unused UPC-topo Unused Unused Unused EHT0 EHT1 Unused


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