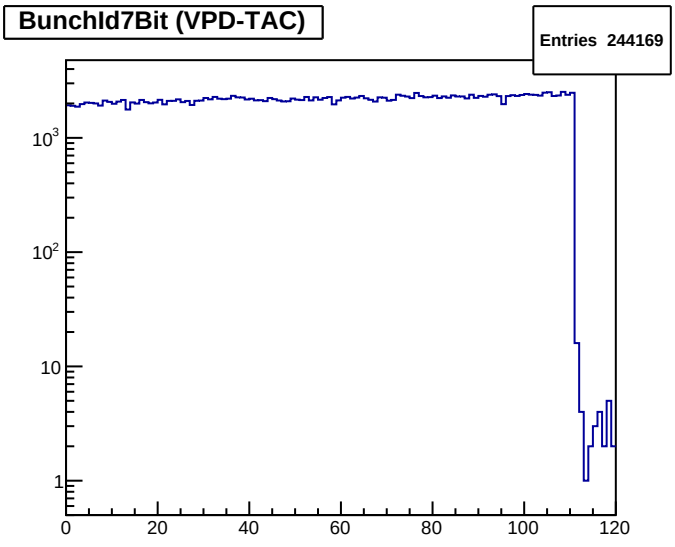
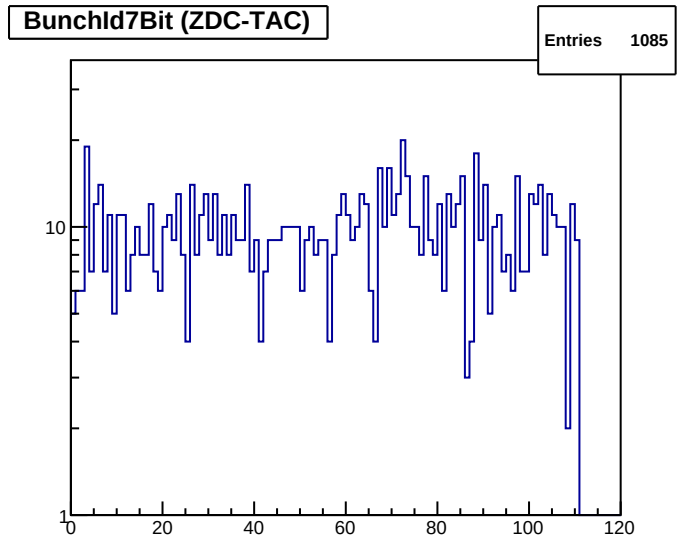
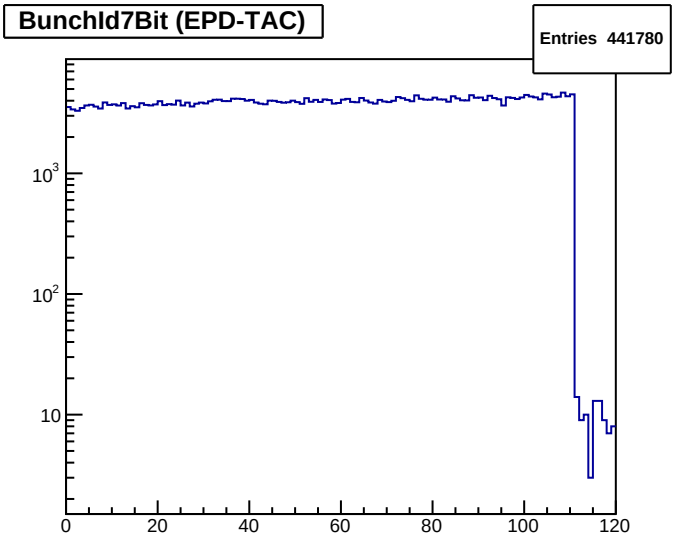
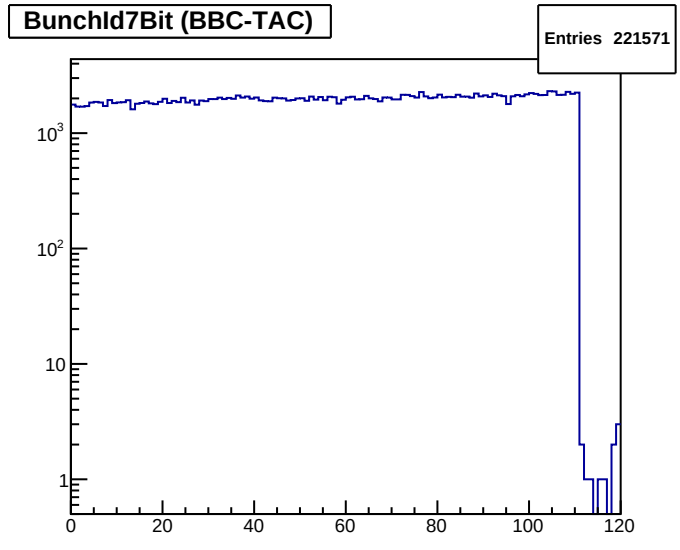
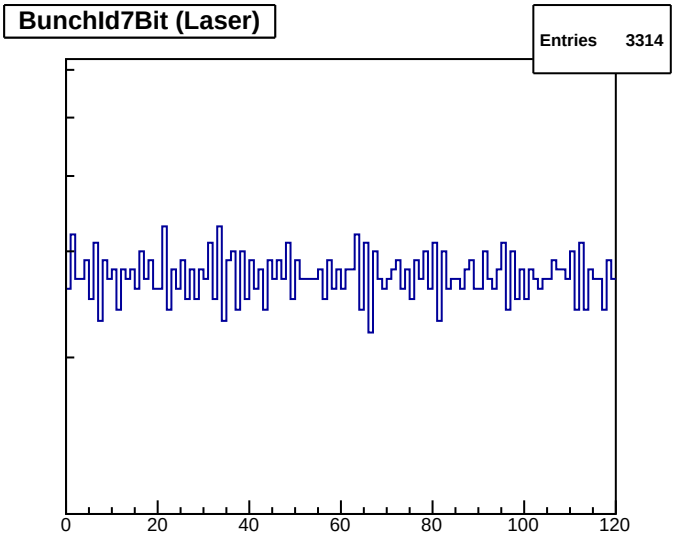
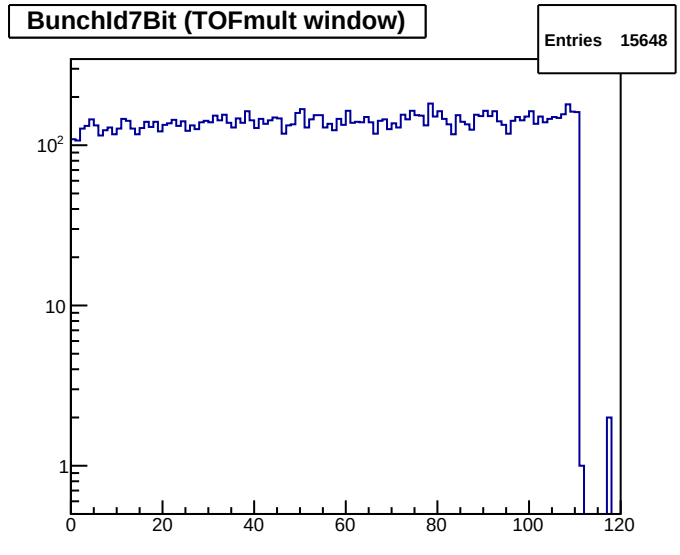

BunchId7Bit (VPD-TAC)
Entries 244169
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

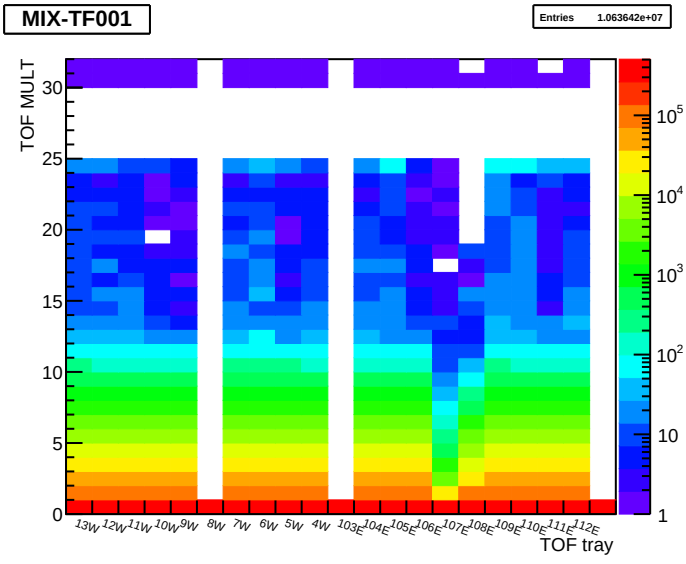

BunchId7Bit (ZDC-TAC)
Entries 1085
10
1
0
20
40
60
80
100
120

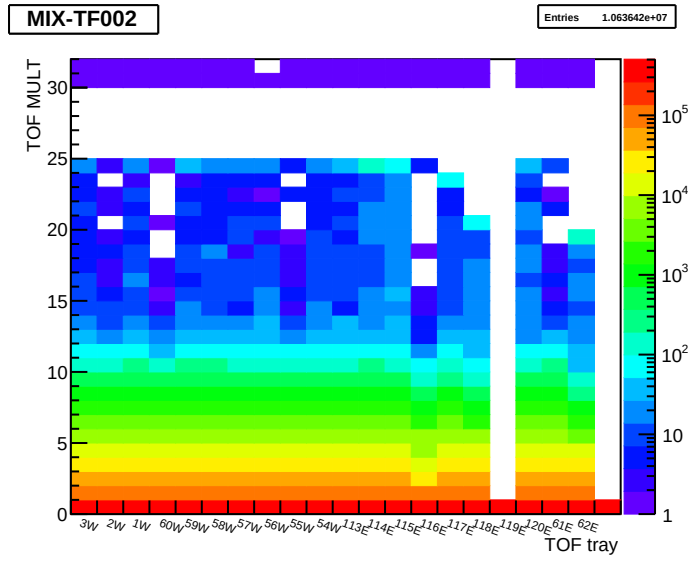

BunchId7Bit (EPD-TAC)
Entries 441780
$10^3$
$10^2$
10
0
20
40
60
80
100
120

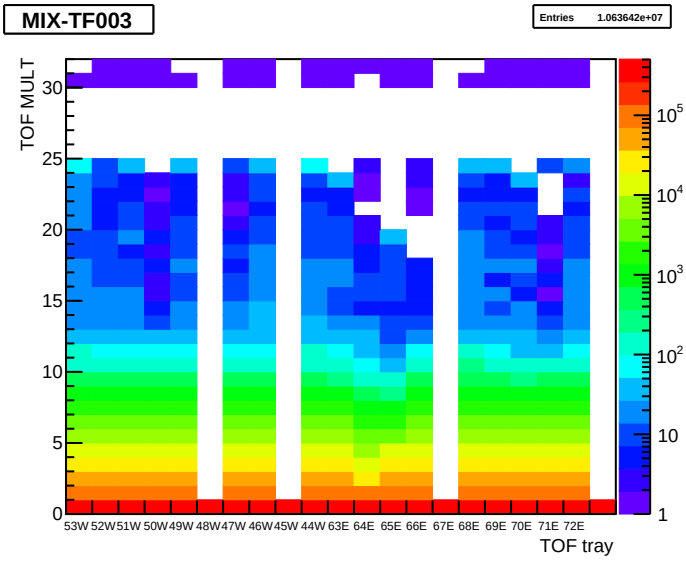

BunchId7Bit (BBC-TAC)
Entries 221571
$10^3$
$10^2$
10
1
0
20
40
60
80
100
120

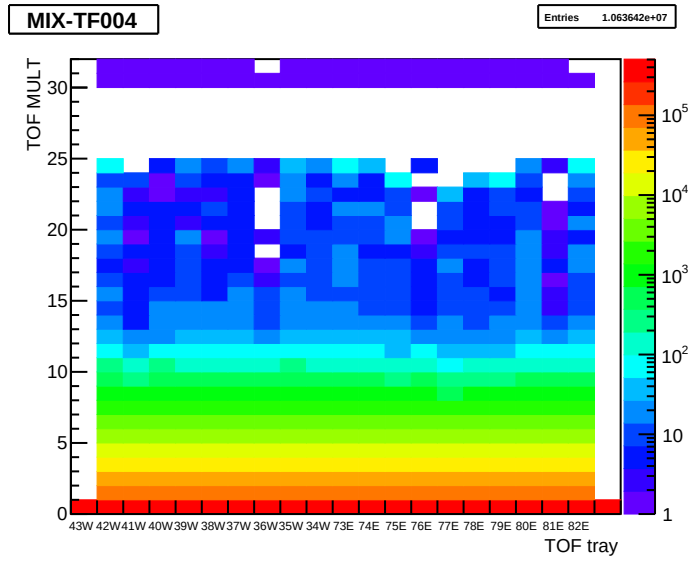

BunchId7Bit (Laser)
Entries 3314
0
20
40
60
80
100
120

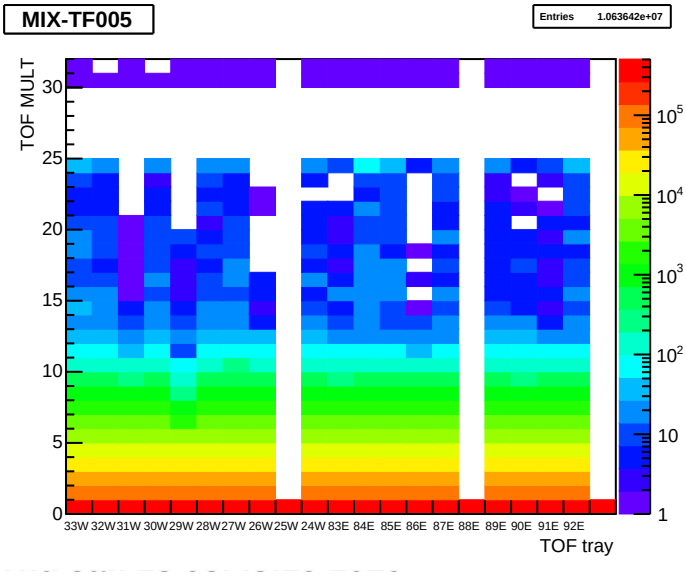

BunchId7Bit (TOFmult window)
Entries 15648
$10^2$
10
1
0
20
40
60
80
100
120

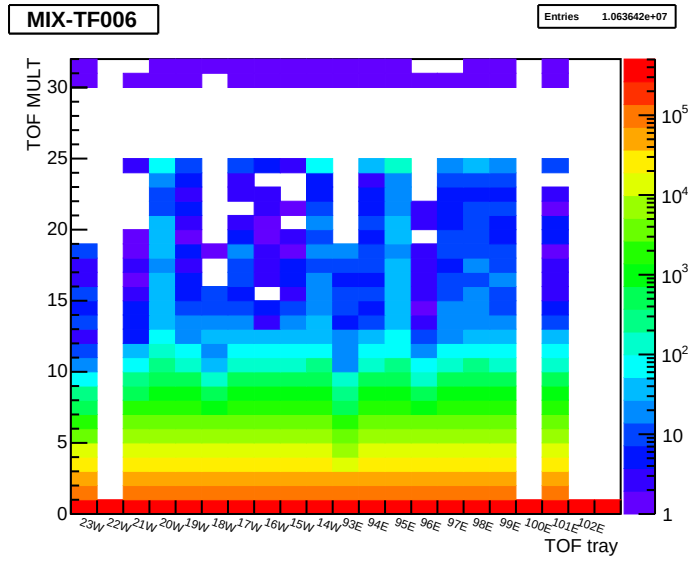

MIX-TF001
Entries 1.063642e+07
TOF MULT
TOF tray

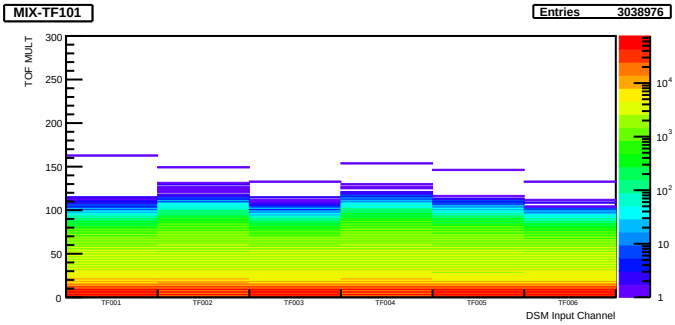

MIX-TF002
Entries 1.063642e+07
TOF MULT
TOF tray

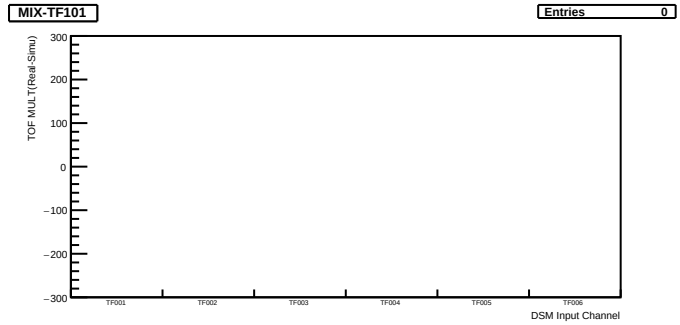

MIX-TF003
Entries 1.063642e+07
TOF MULT
TOF tray

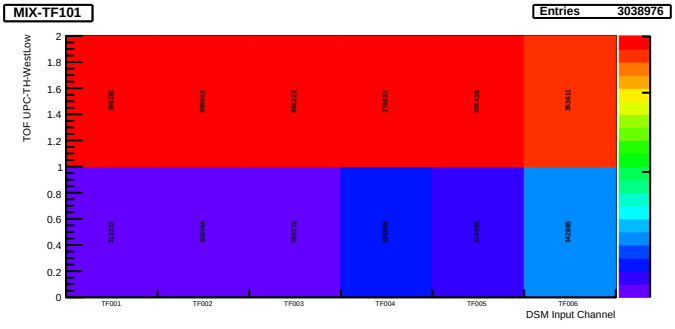

MIX-TF004
Entries 1.063642e+07
TOF MULT
TOF tray

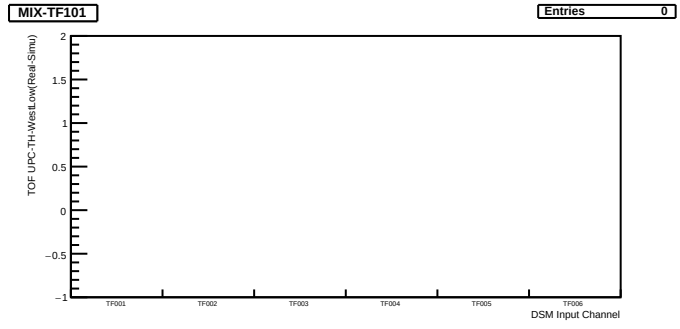

MIX-TF005
Entries 1.063642e+07
TOF MULT
TOF tray

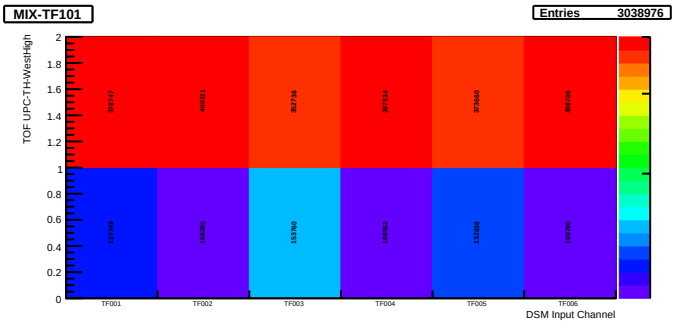

MIX-TF006
Entries 1.063642e+07
TOF MULT
TOF tray

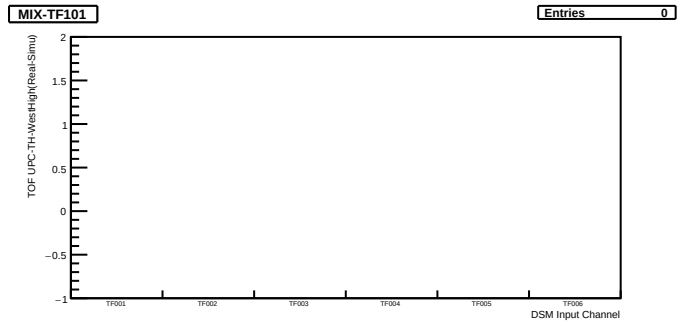

MIX-TF101
Entries 3038976
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

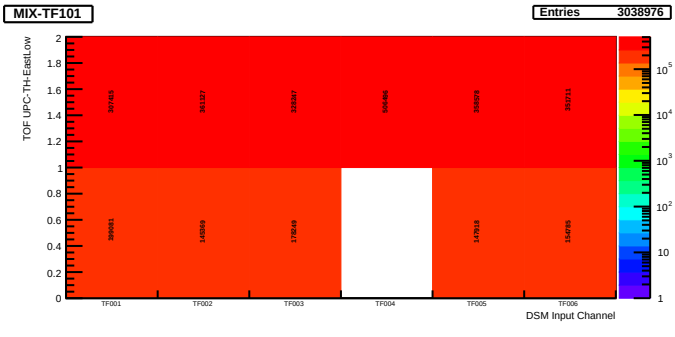

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

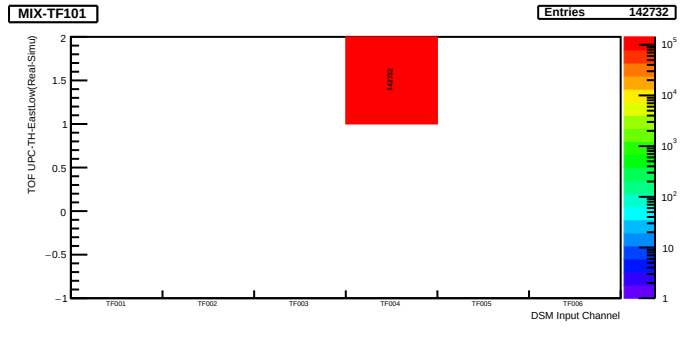

MIX-TF101
Entries 3038976
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

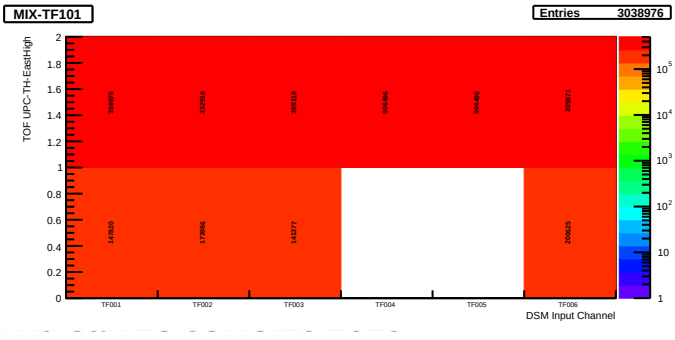

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

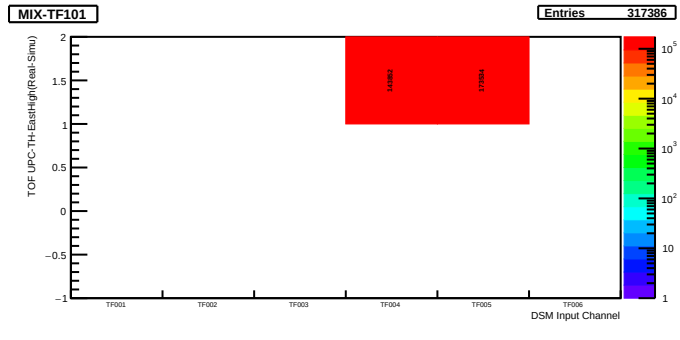

MIX-TF101
Entries 3038976
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

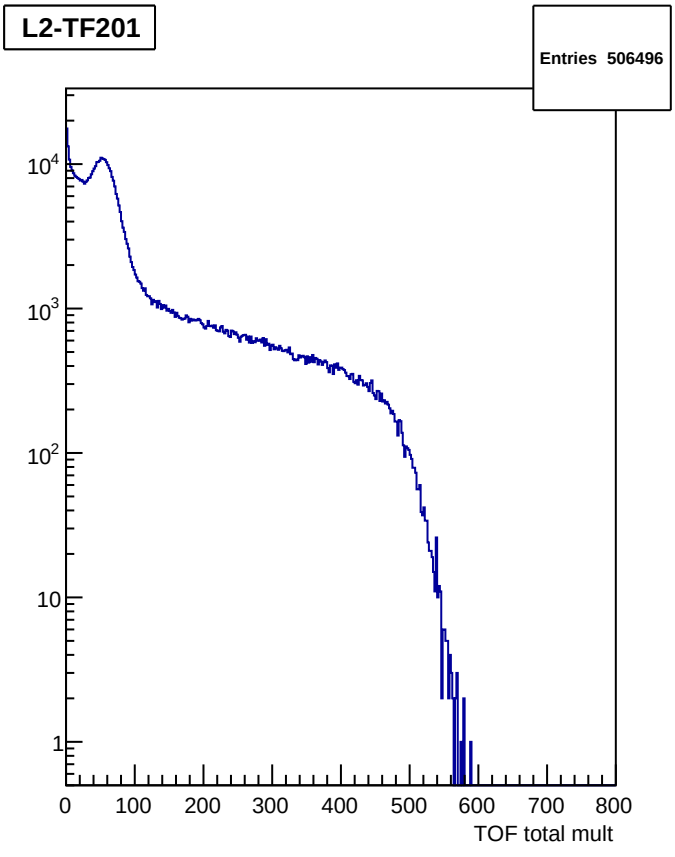

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

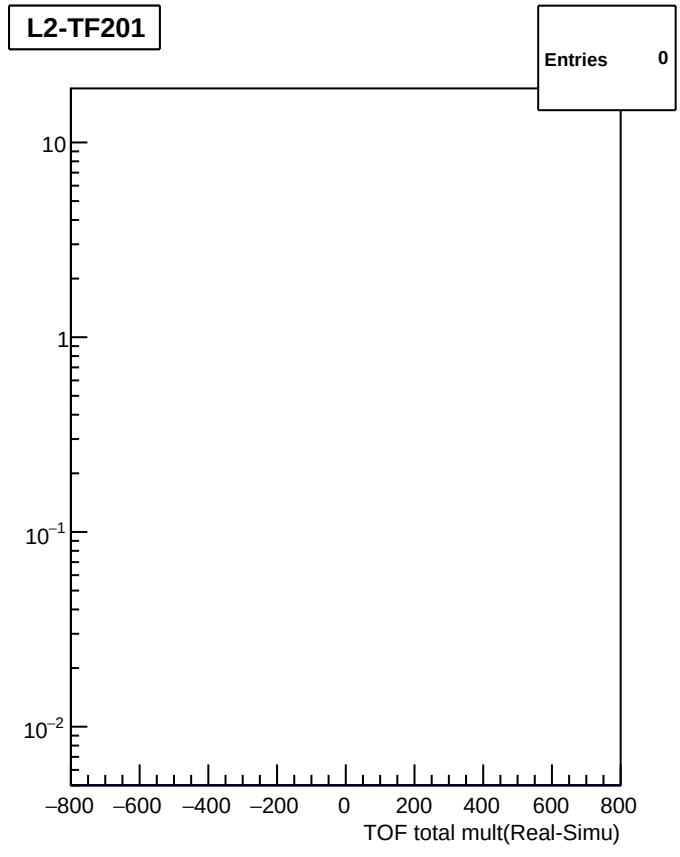

MIX-TF101
Entries 3038976
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

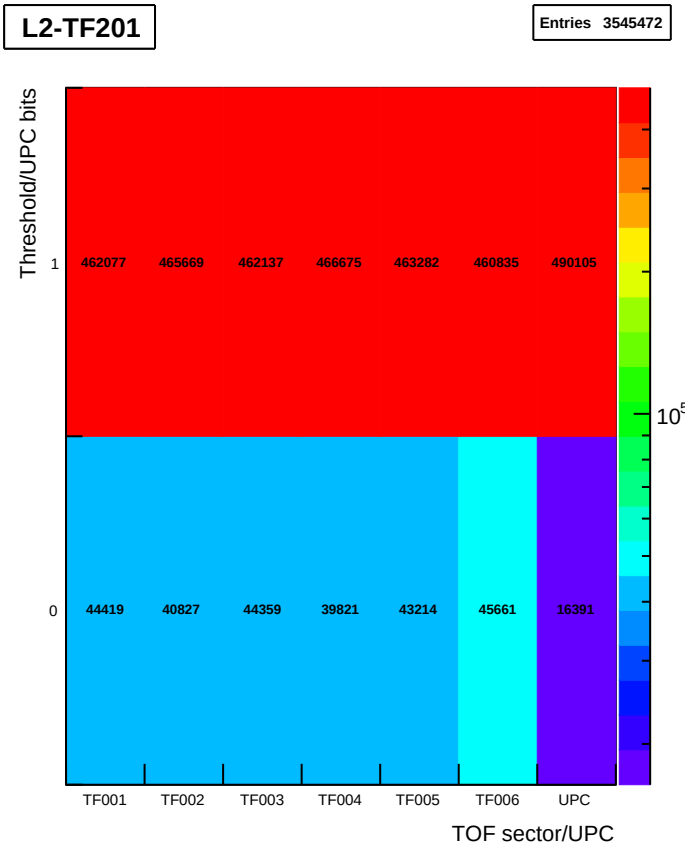

MIX-TF101
Entries 142732
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

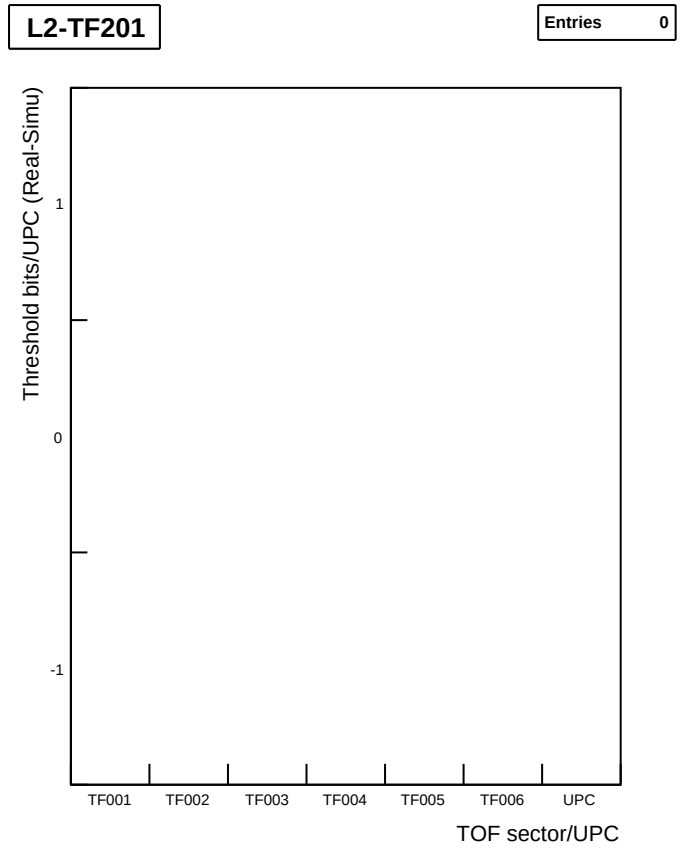

MIX-TF101
Entries 3038976
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

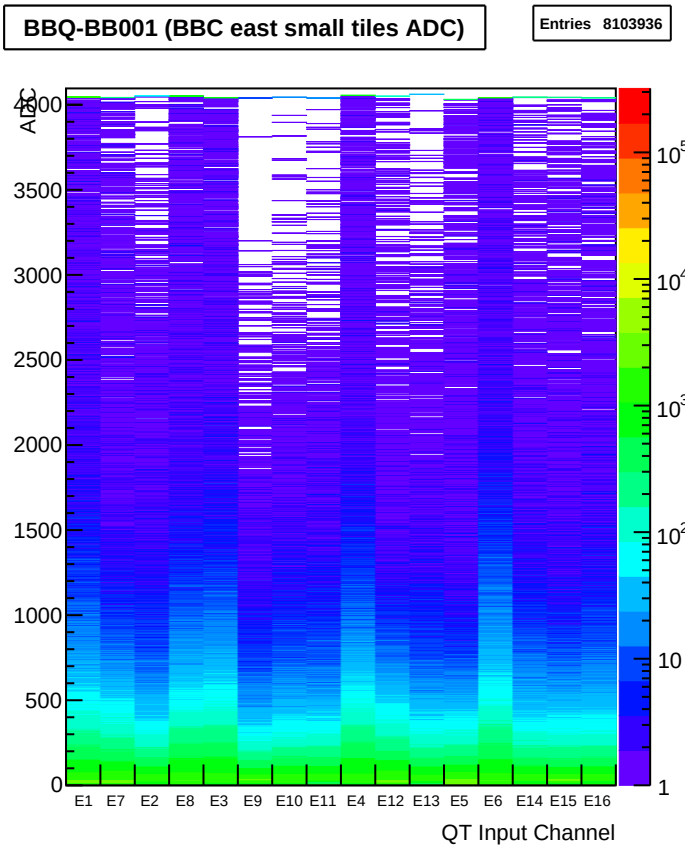

MIX-TF101
Entries 317386
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

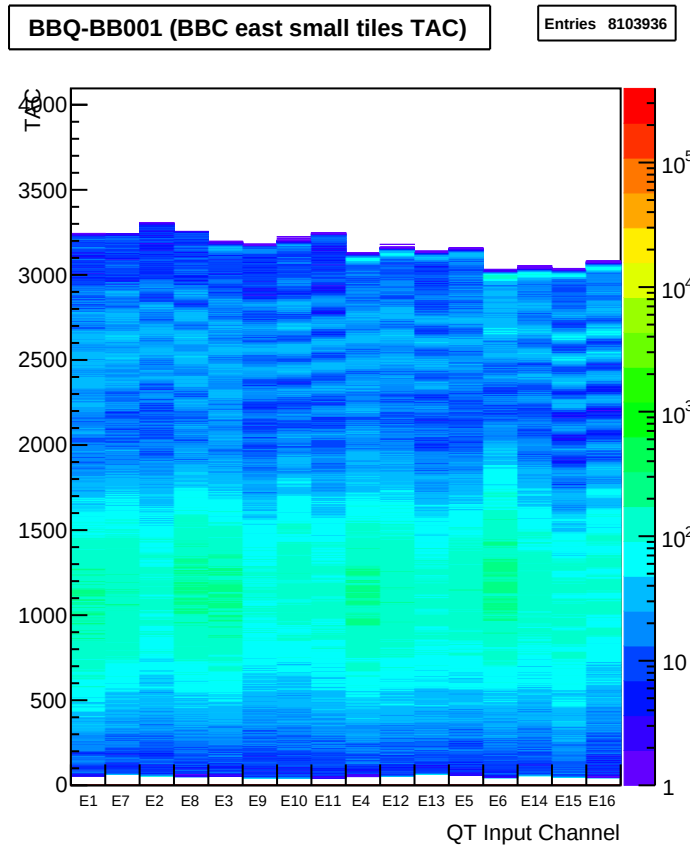

L2-TF201
Entries 506496
TOF total mult

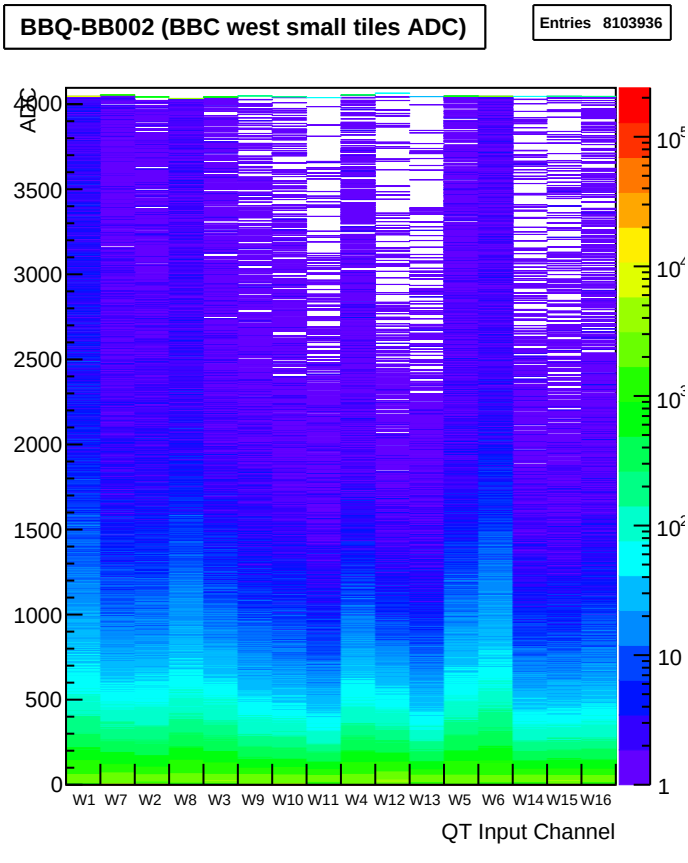

L2-TF201
Entries 0
TOF total mult(Real-Simu)

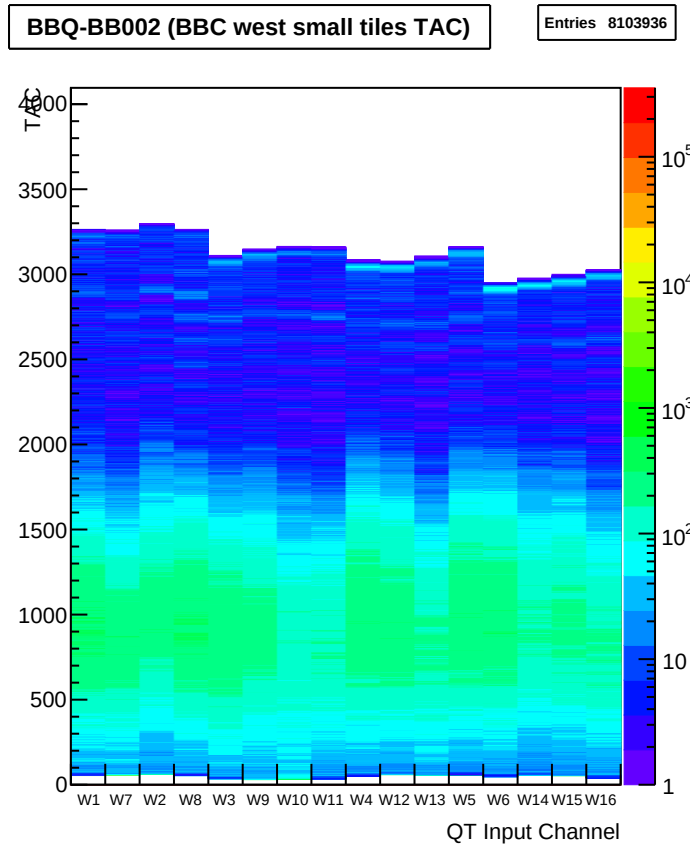

L2-TF201
Entries 3545472
Threshold/UPC bits
462077
465669
462137
466675
463282
460835
490105
44419
40827
44359
39821
43214
45661
16391
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

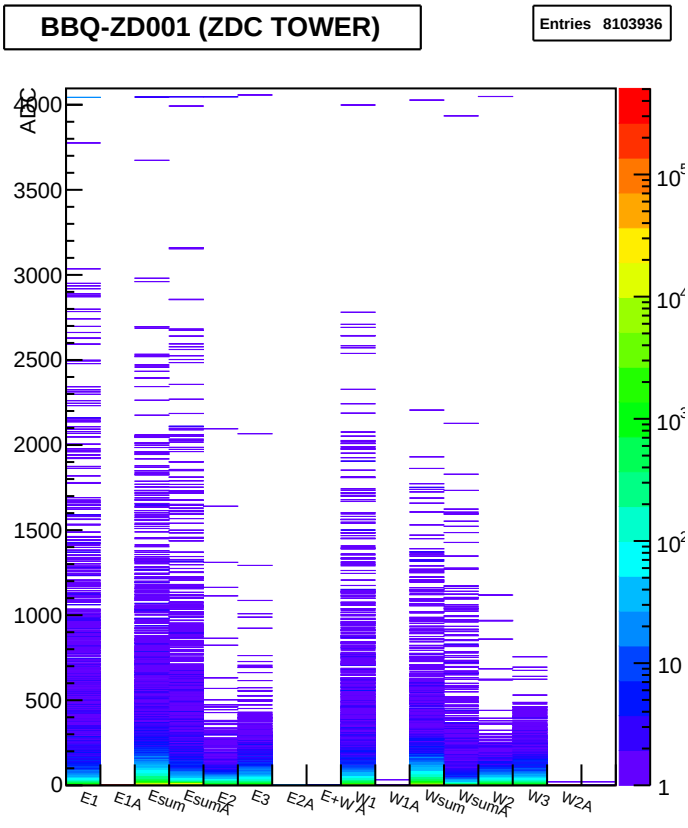

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

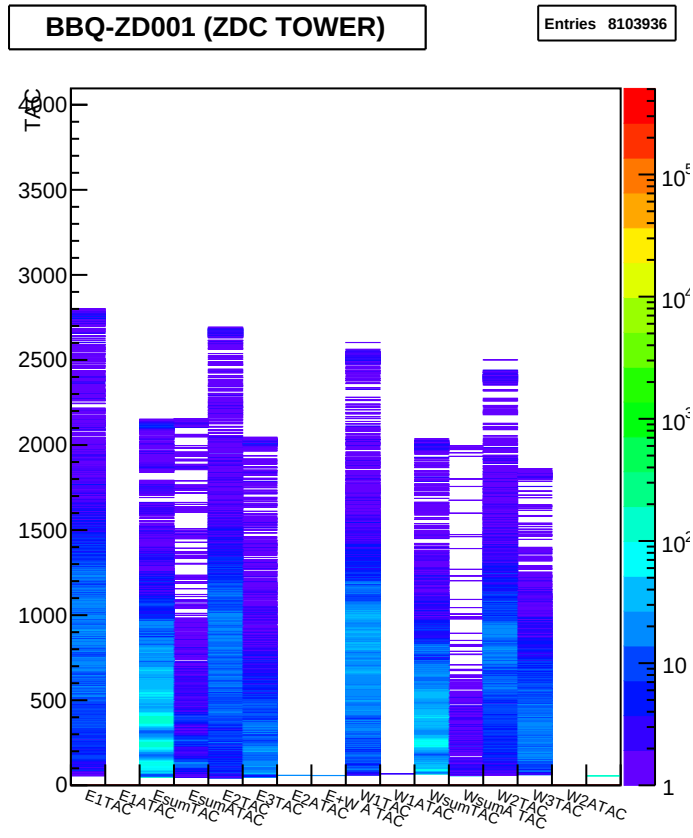

BBQ-BB001 (BBC east small tiles ADC)
Entries 8103936
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

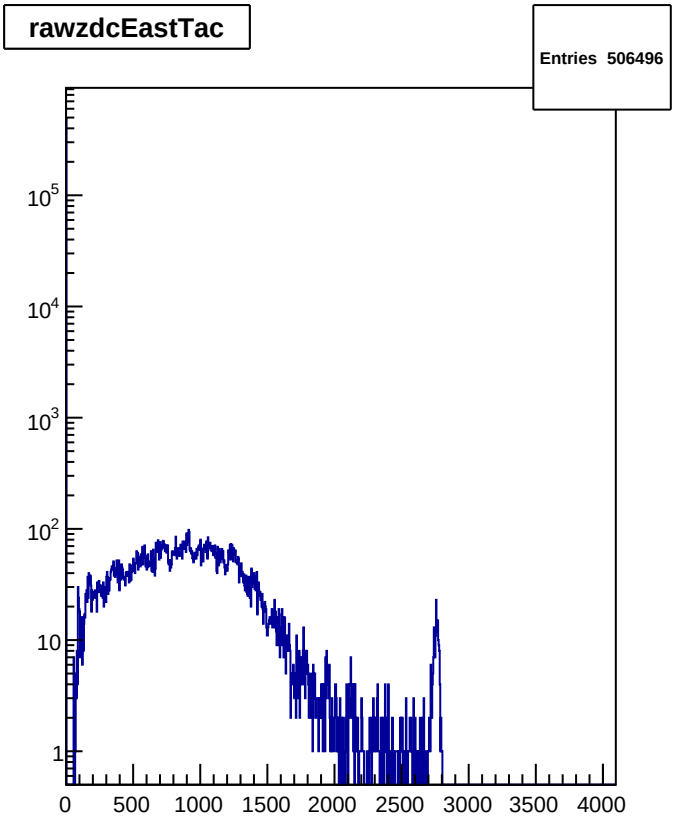

BBQ-BB001 (BBC east small tiles TAC)
Entries 8103936
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

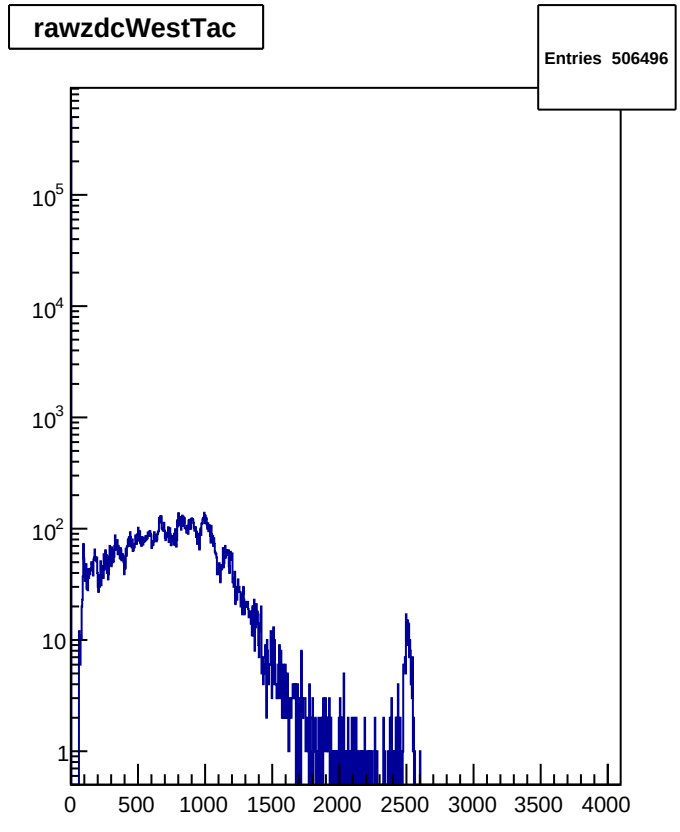

BBQ-BB002 (BBC west small tiles ADC)
Entries 8103936
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

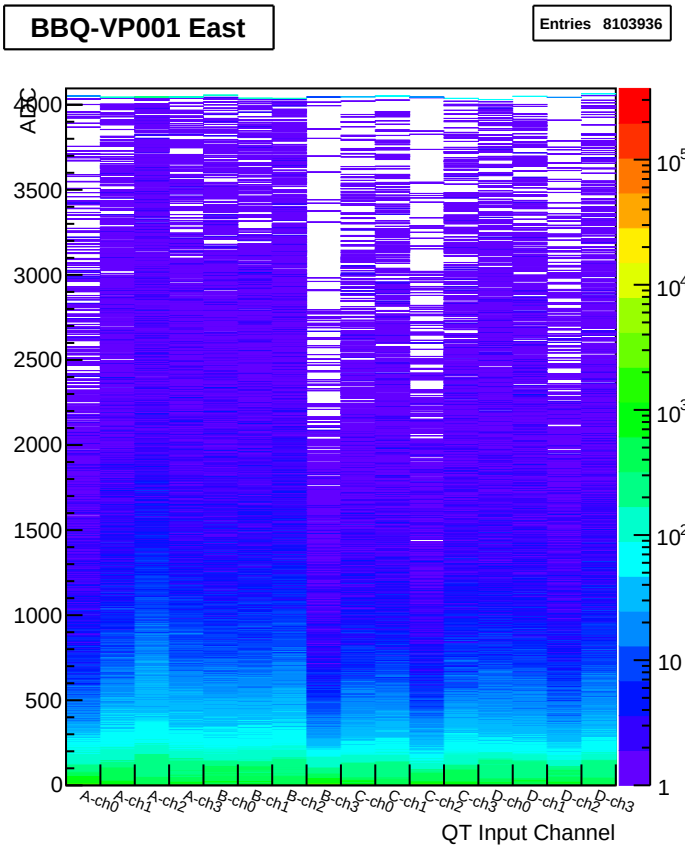

BBQ-BB002 (BBC west small tiles TAC)
Entries 8103936
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

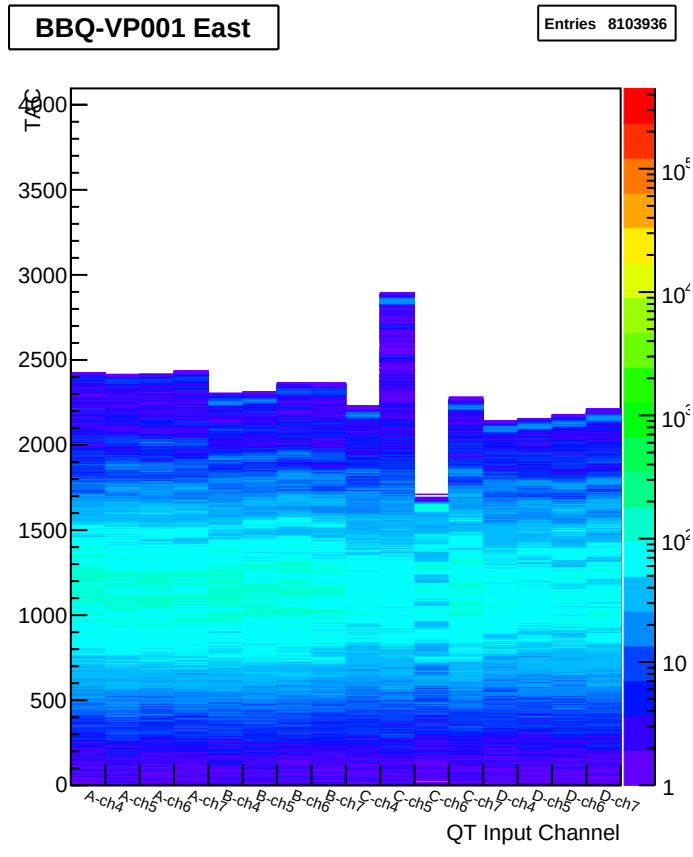

BBQ-ZD001 (ZDC TOWER)
Entries 8103936
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1
W1A
Wsum
WsumA
W2
W3
W2A

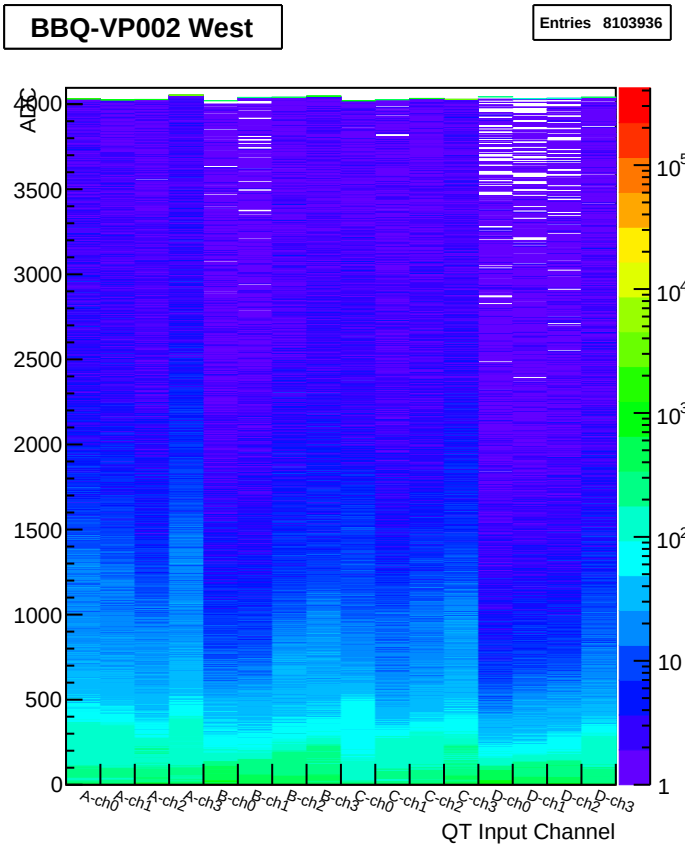

BBQ-ZD001 (ZDC TOWER)
Entries 8103936
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

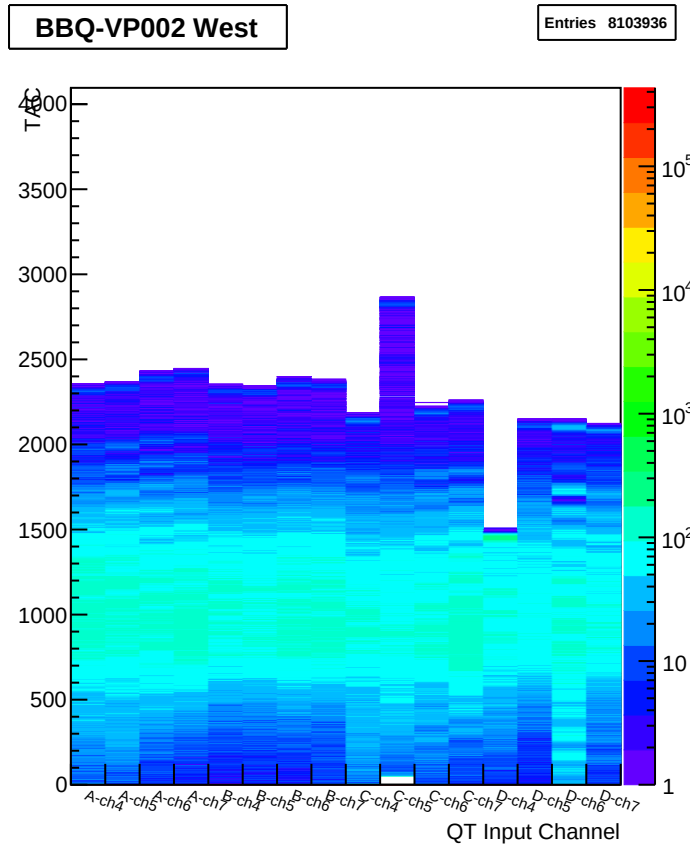

rawzdcEastTac
Entries 506496

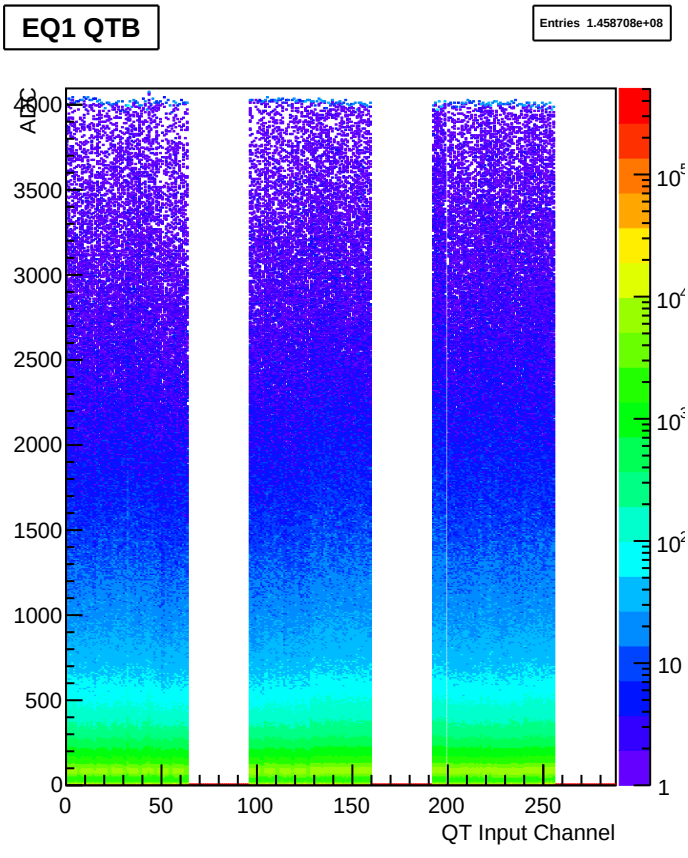

rawzdcWestTac
Entries 506496

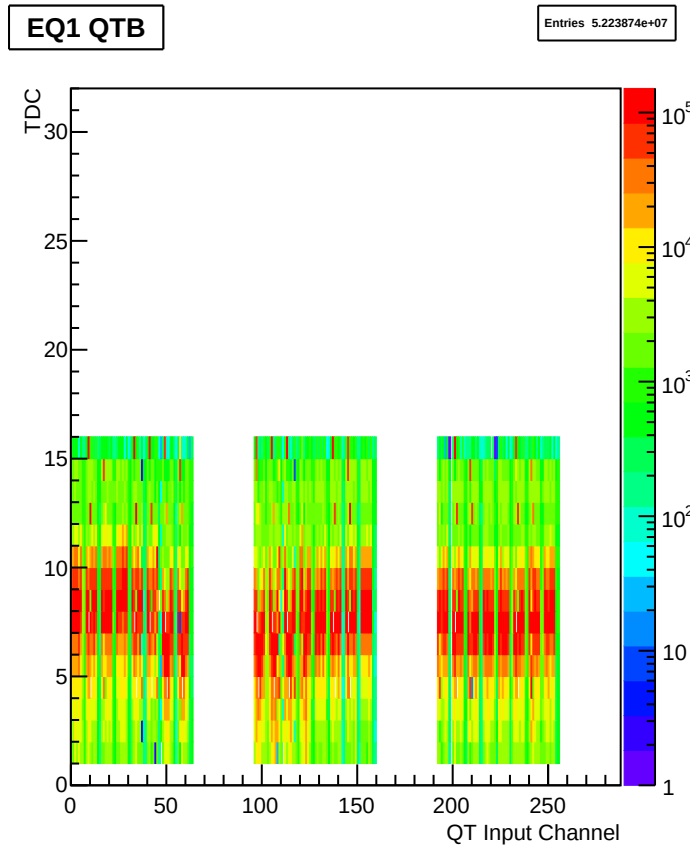

BBQ-VP001 East
Entries 8103936
ADC
QT Input Channel

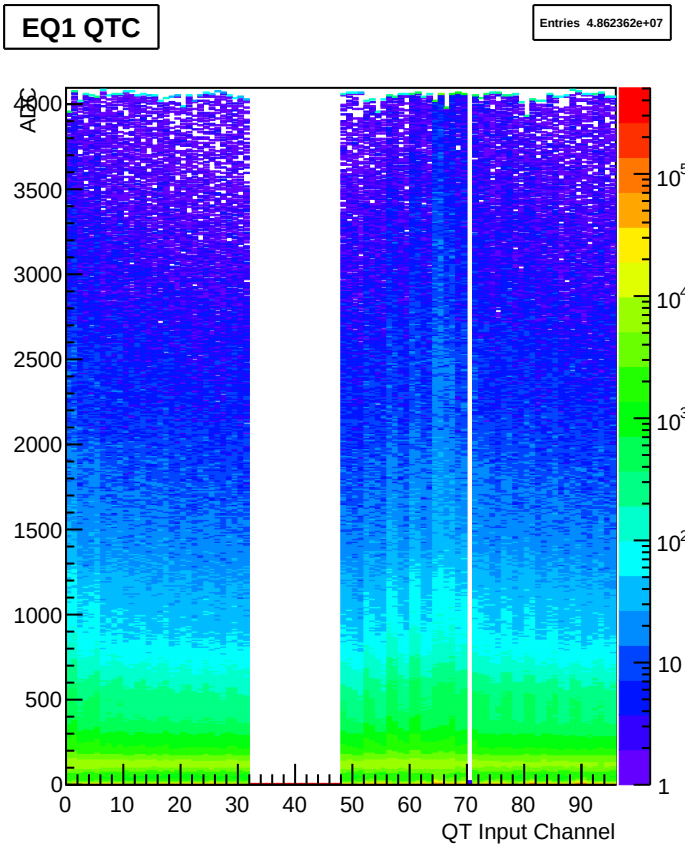

BBQ-VP001 East
Entries 8103936
ADC
QT Input Channel

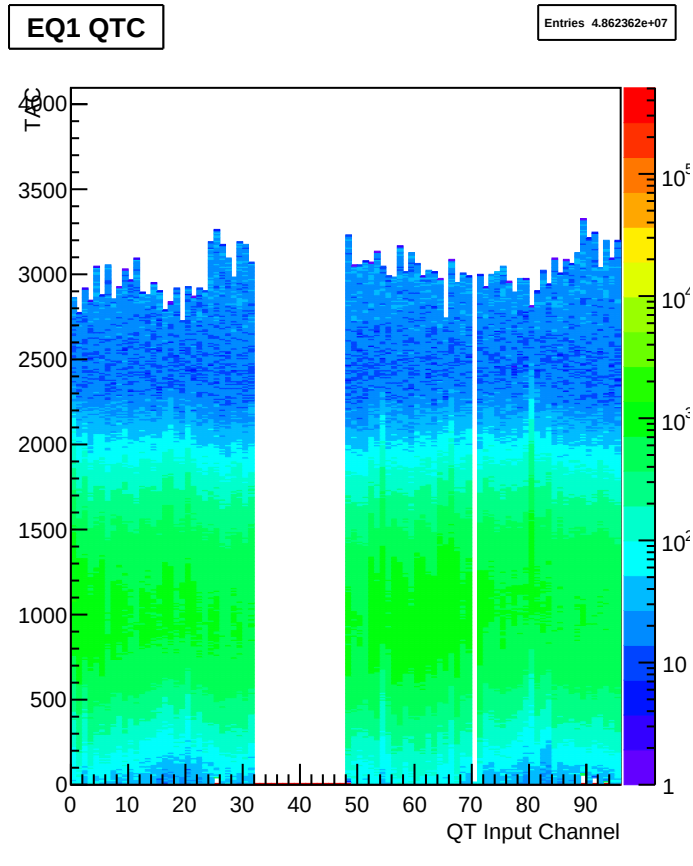

BBQ-VP002 West
Entries 8103936
ADC
QT Input Channel

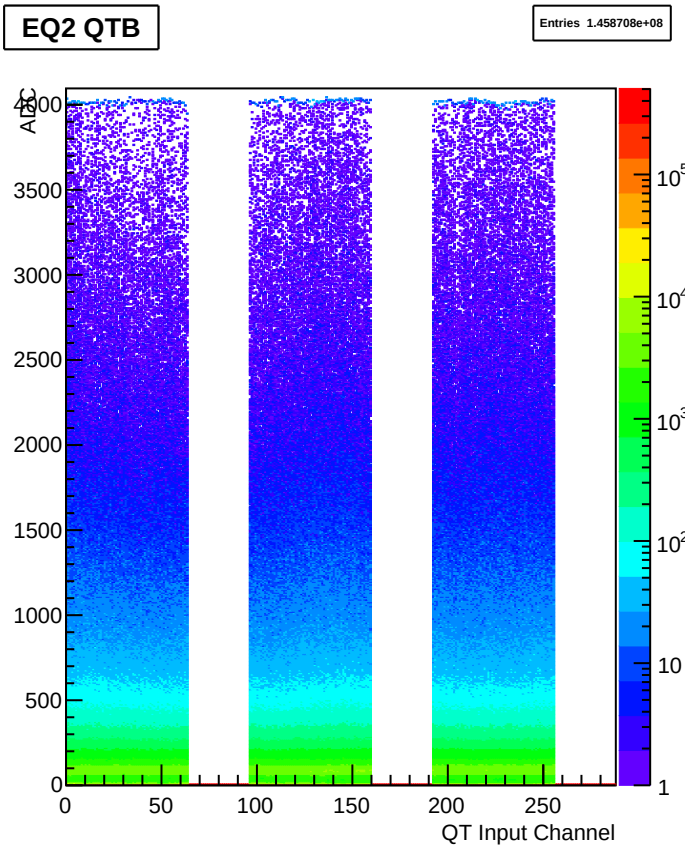

BBQ-VP002 West
Entries 8103936
ADC
QT Input Channel

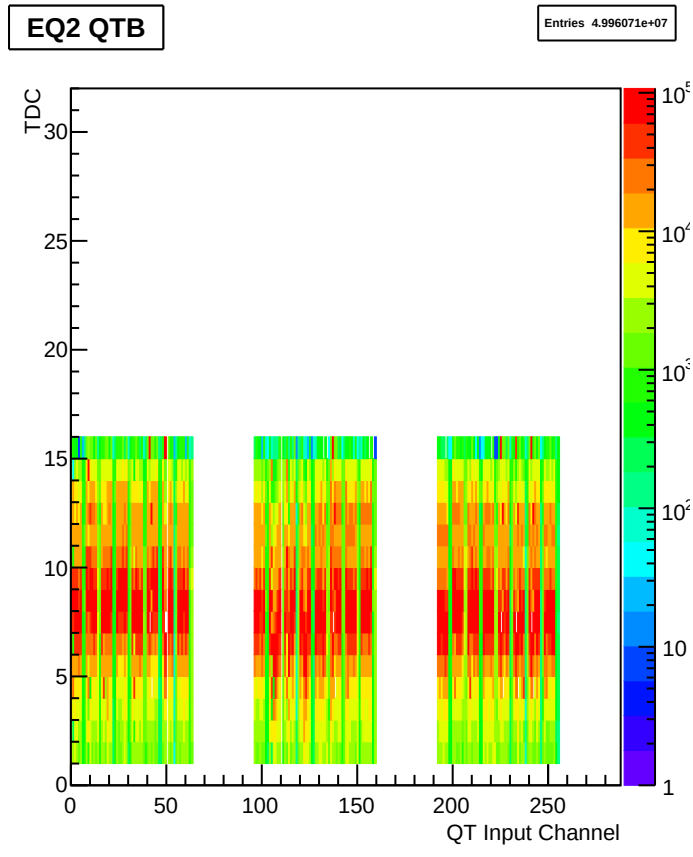

EQ1 QTB
Entries 1.458708e+08
ADC
QT Input Channel

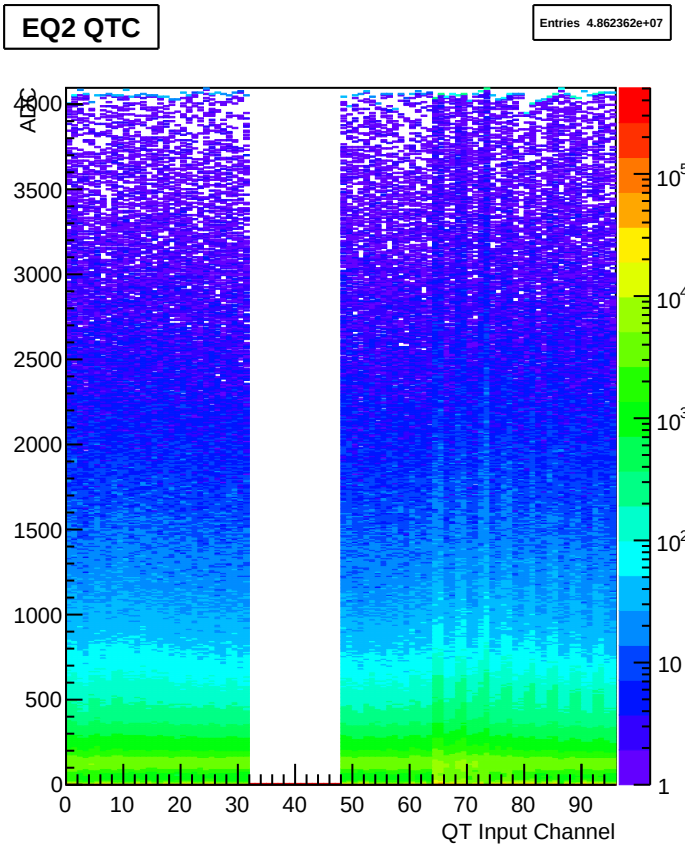

EQ1 QTB
Entries 5.223874e+07
TDC
QT Input Channel

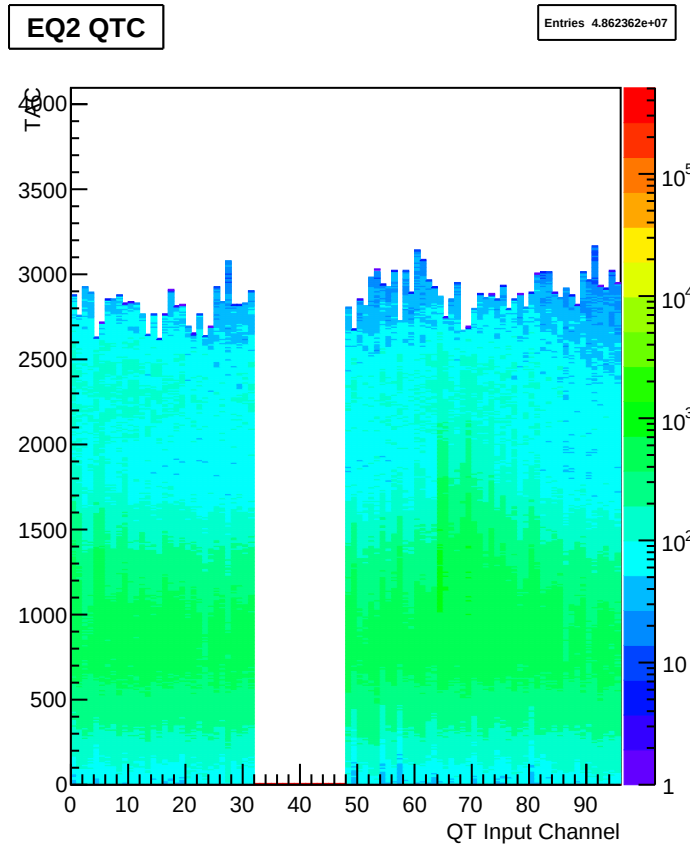

EQ1 QTC
Entries 4.862362e+07
ADC
QT Input Channel

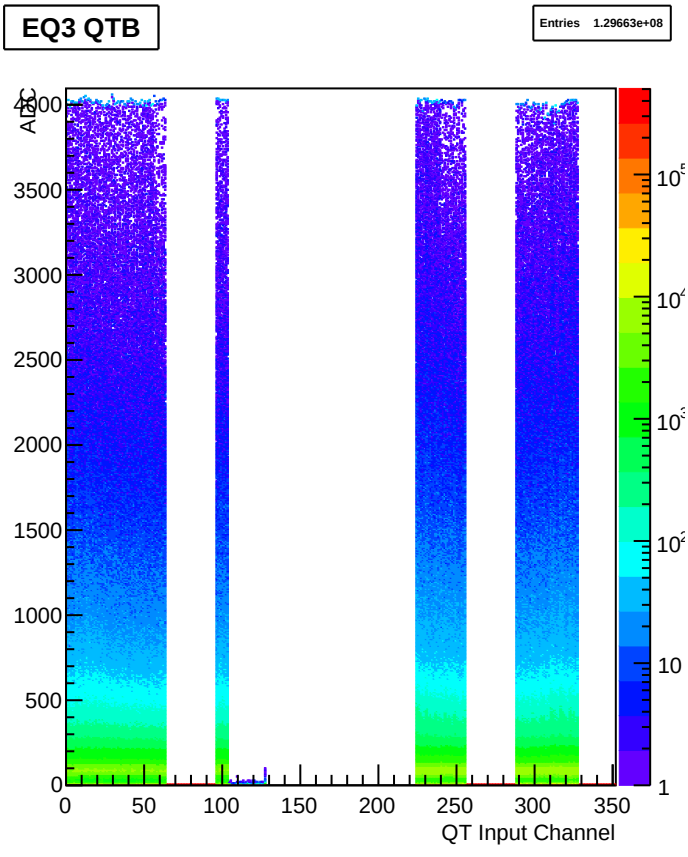

EQ1 QTC
Entries 4.862362e+07
TADC
QT Input Channel

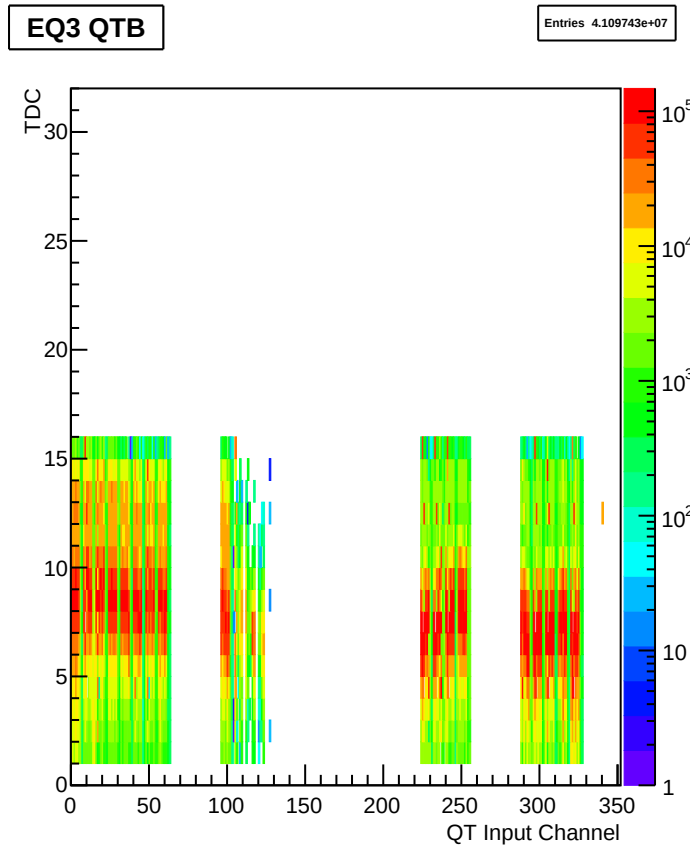

EQ2 QTB
Entries 1.458708e+08
ADC
QT Input Channel

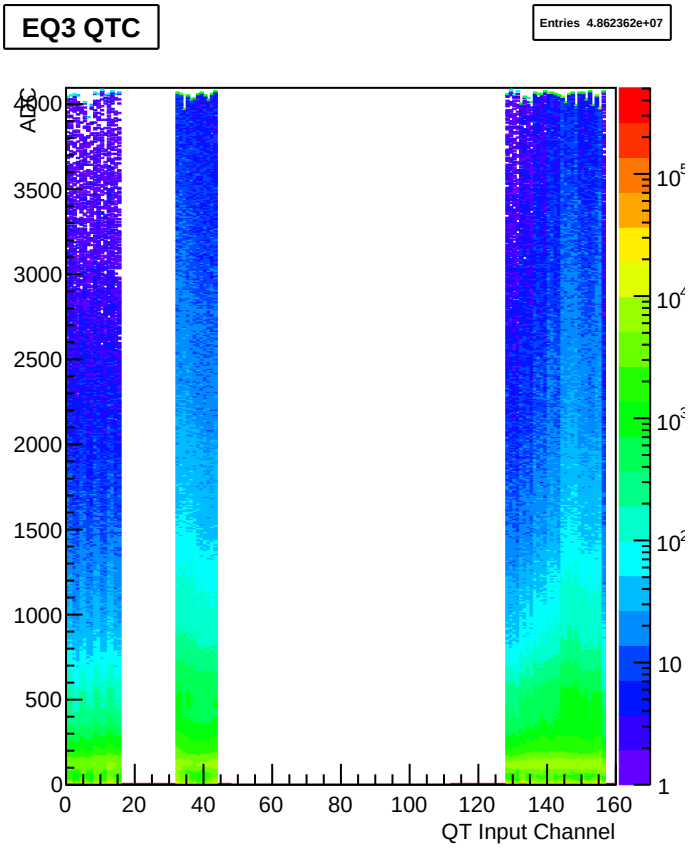

EQ2 QTB
Entries 4.996071e+07
TDC
QT Input Channel


EQ2 QTC
Entries 4.862362e+07
ADC
QT Input Channel


EQ2 QTC
Entries 4.862362e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.29663e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.109743e+07
TDC
QT Input Channel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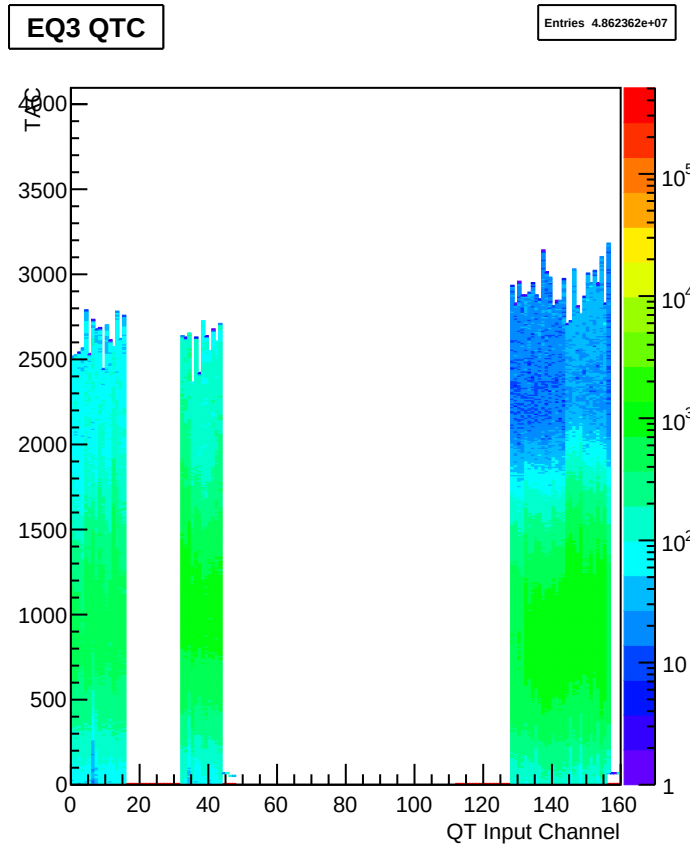
ADC
QT Input Channel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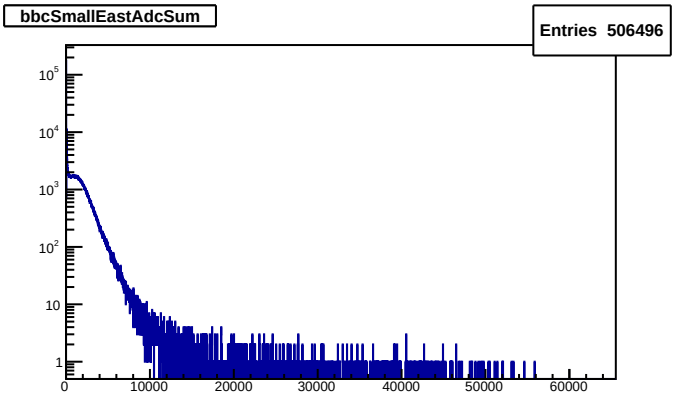
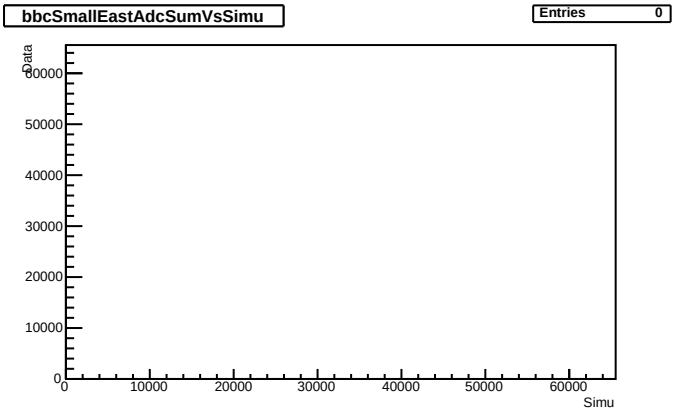
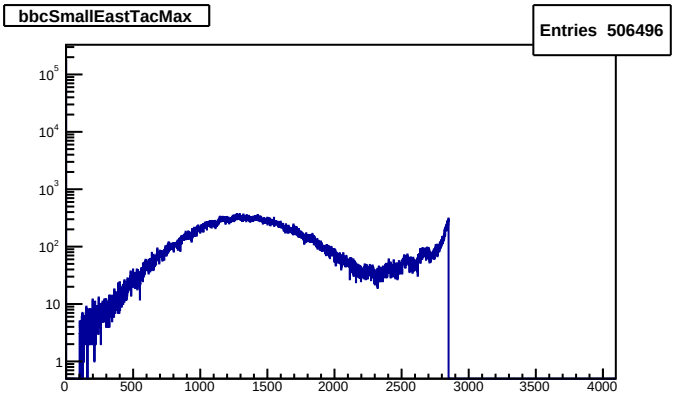
Entries 4.862362e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 506496


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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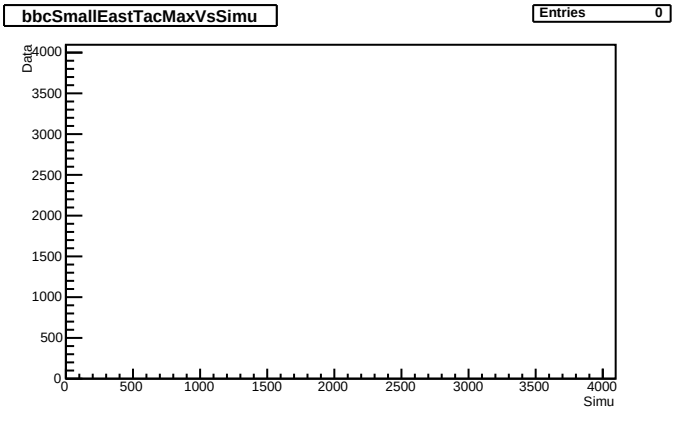
Entries 506496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Entries 0
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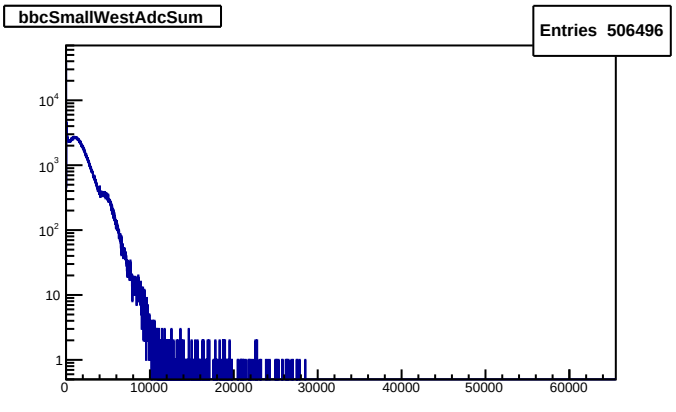
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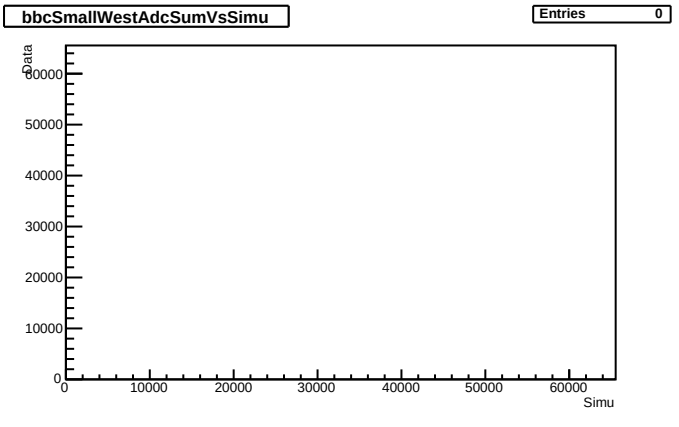
Entries 506496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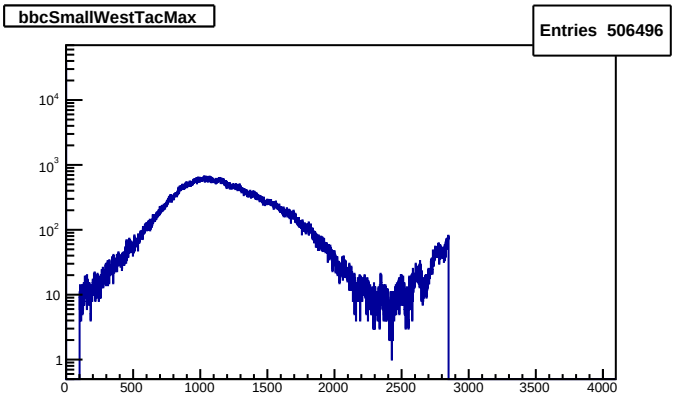
Simu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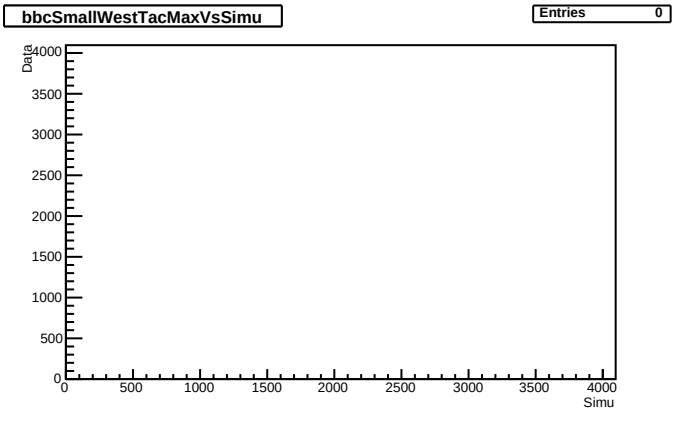
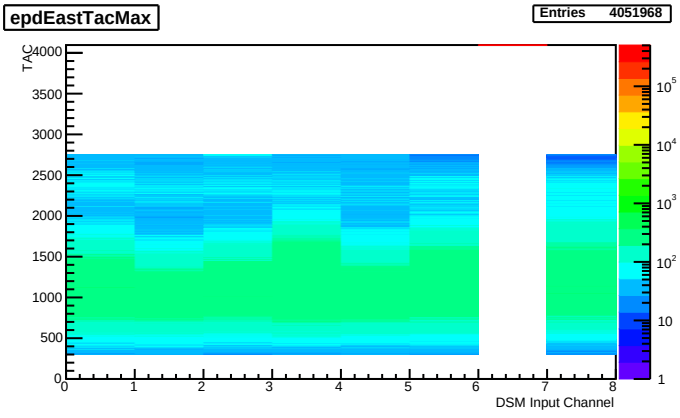
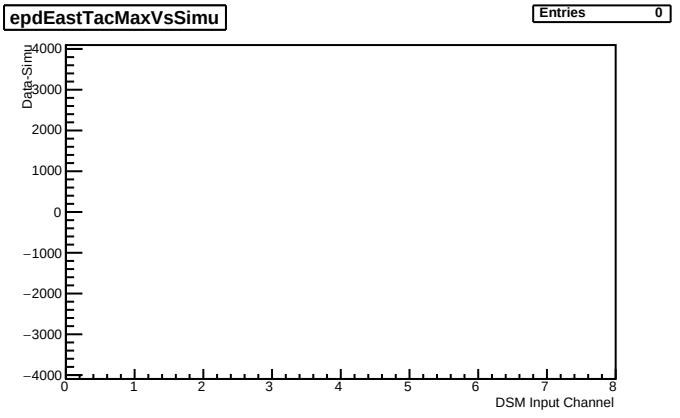
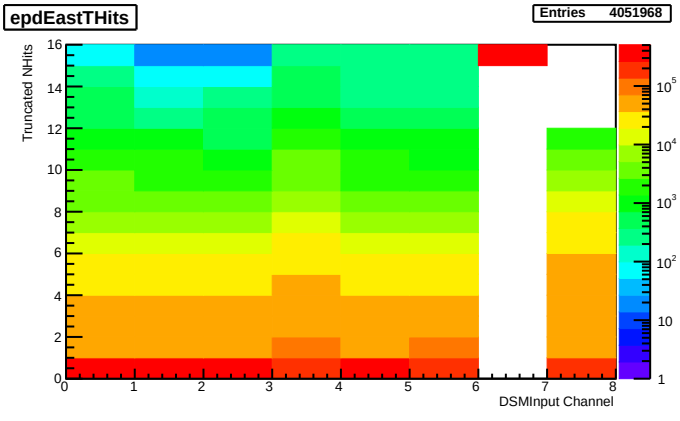
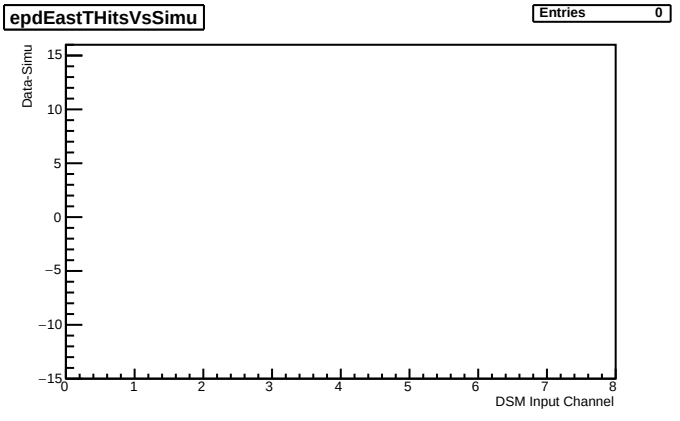

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu


epdEastTacMax
Entries 4051968
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 4051968
Truncated NHits
DSMInput Channel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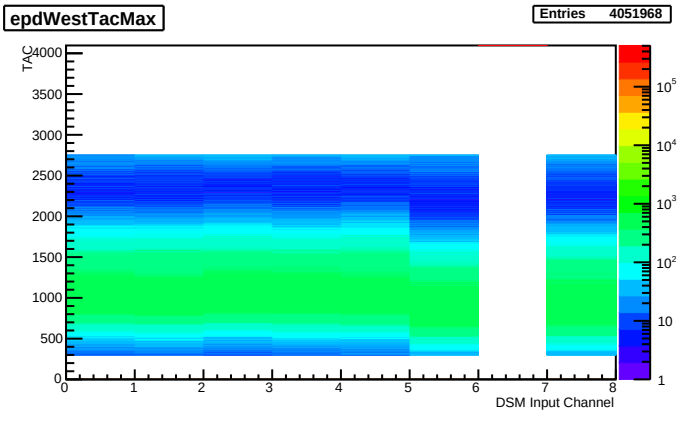
DSM Input Channel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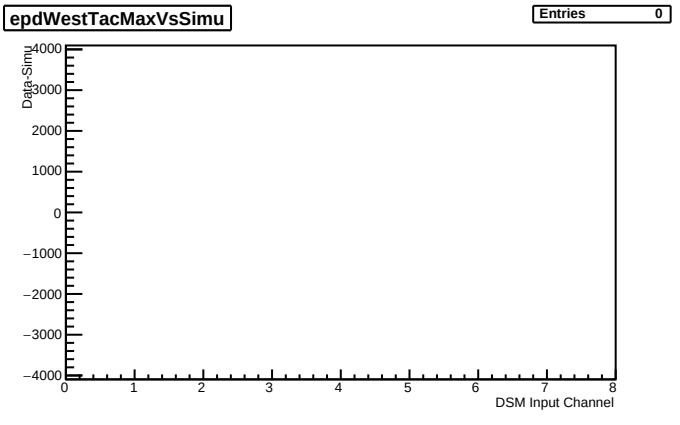
Entries 4051968
TAC
DSM Input Channel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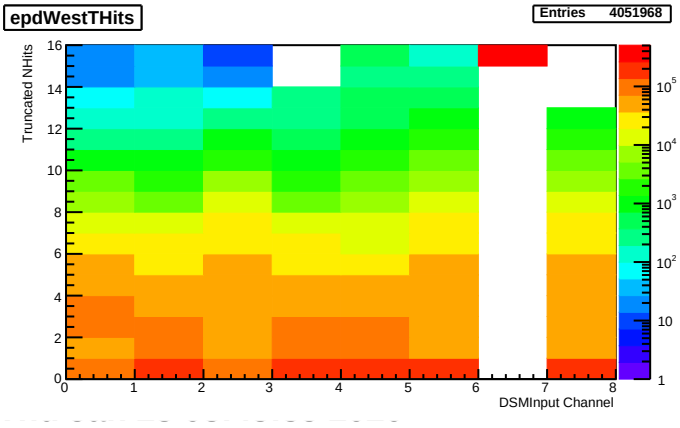
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Entries 4051968
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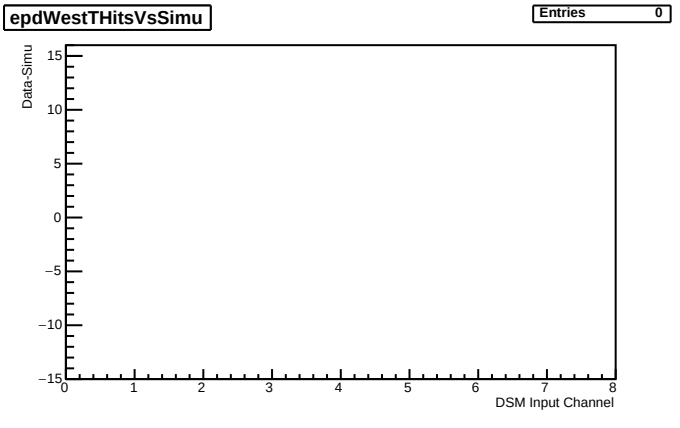
DSMInput Channel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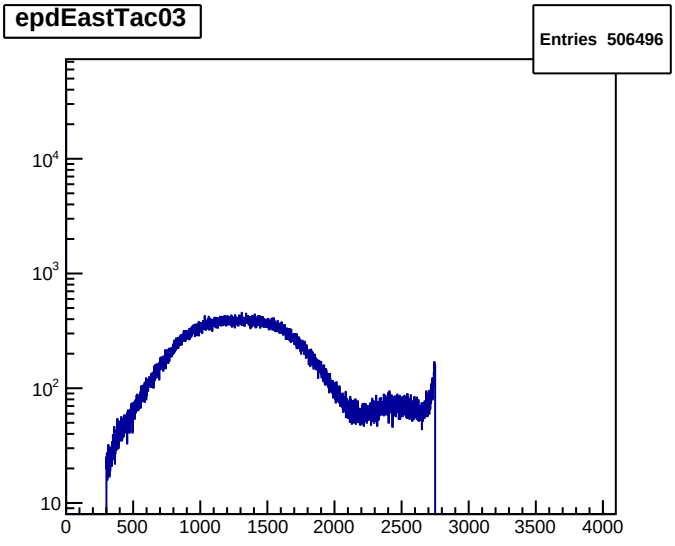
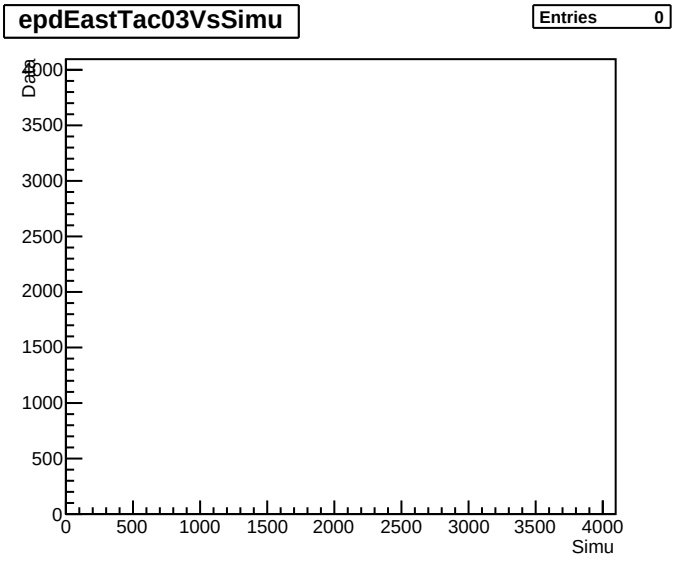
DSM Input Channel


epdEastTac03
Entries 506496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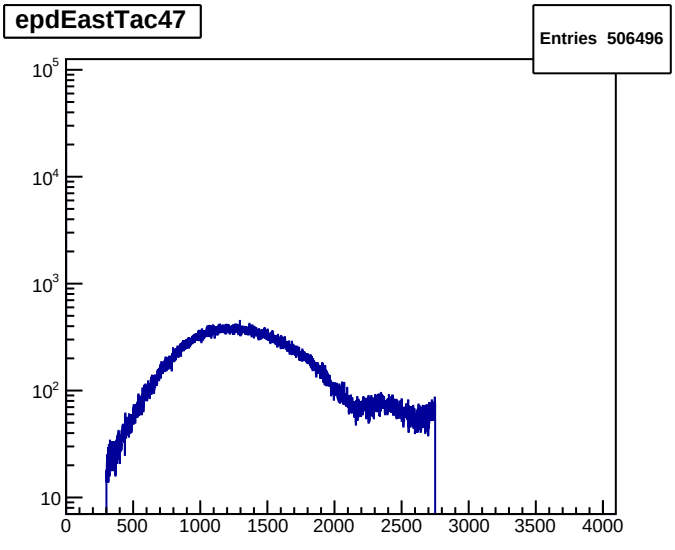
Data
Simu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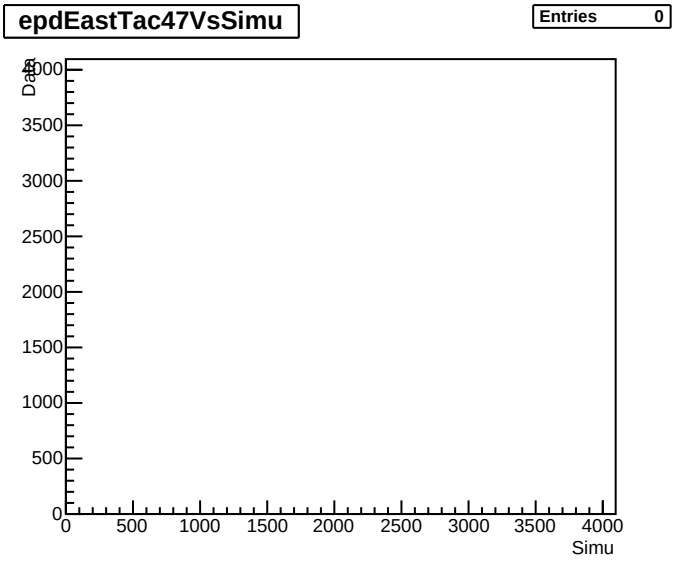
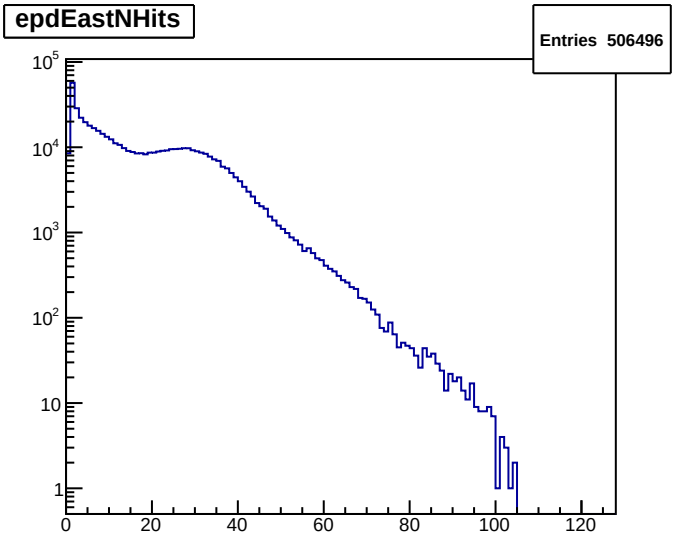

epdEastTac47VsSimu
Entries 0
Data
Simu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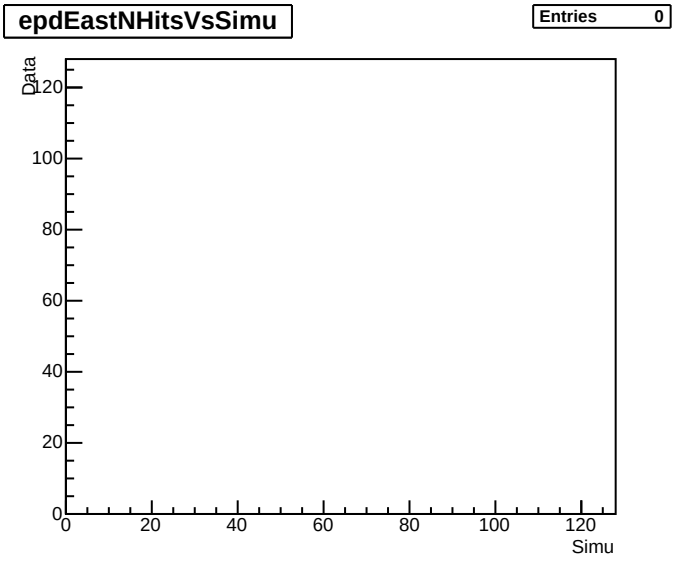
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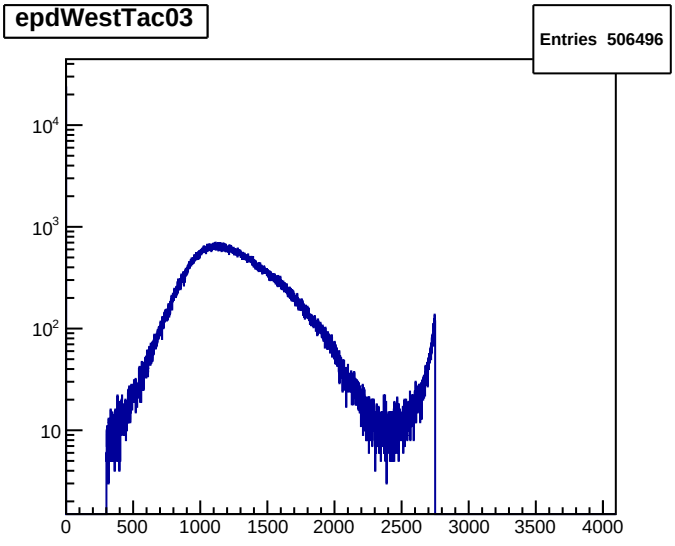
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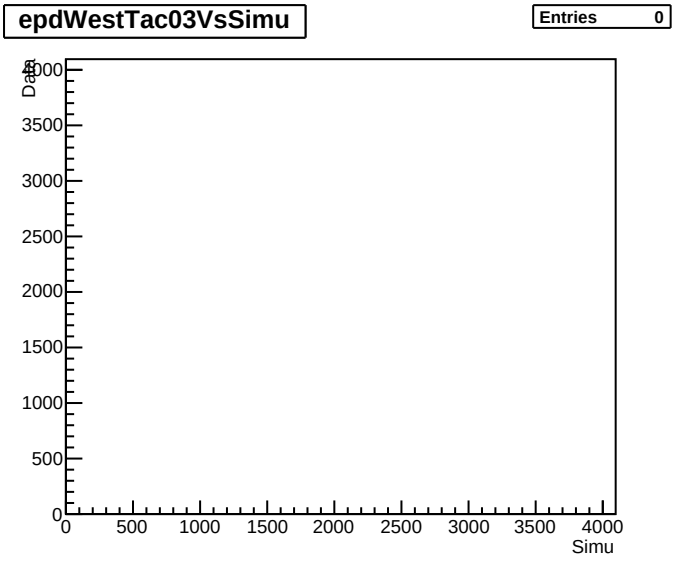
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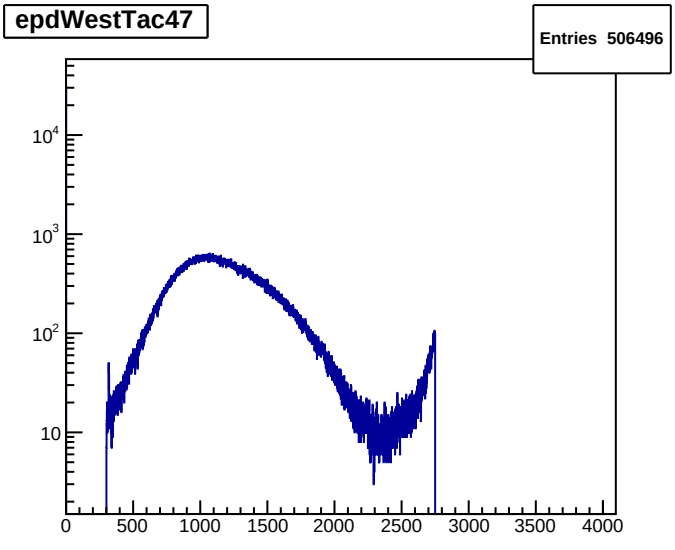
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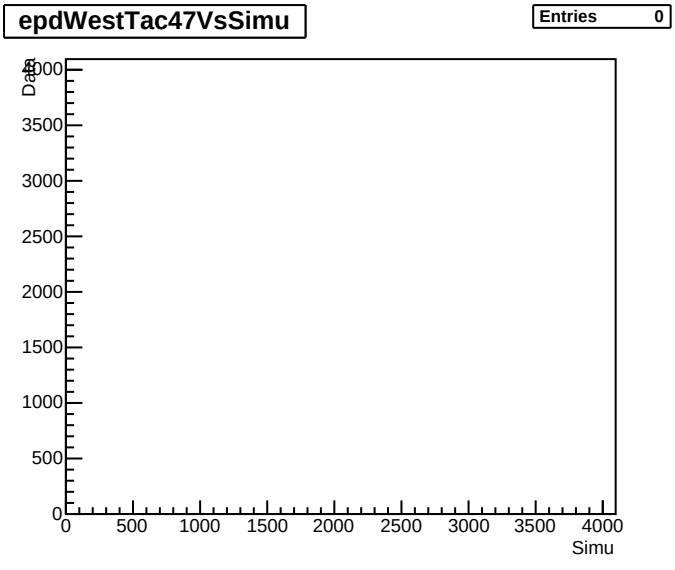
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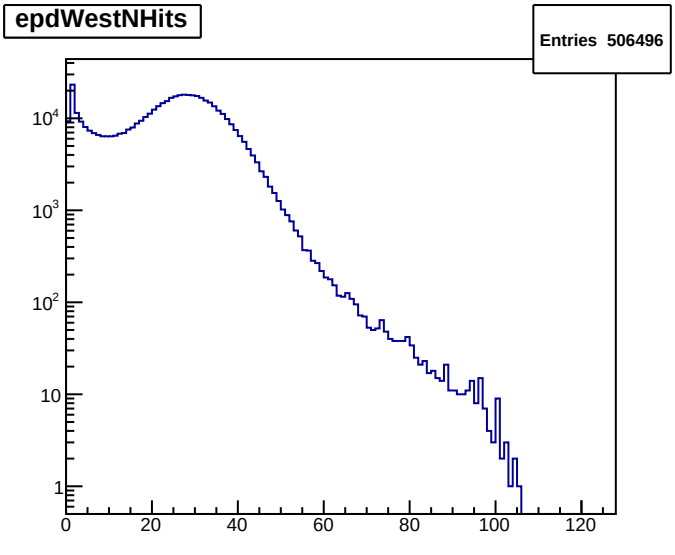
Simu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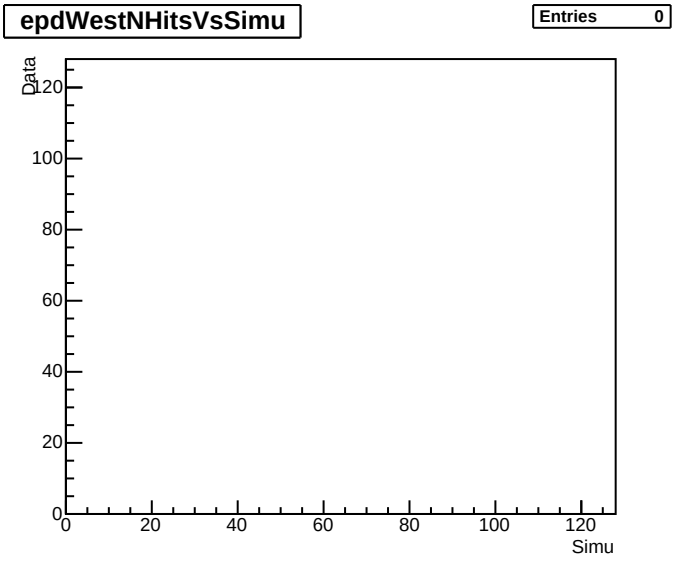
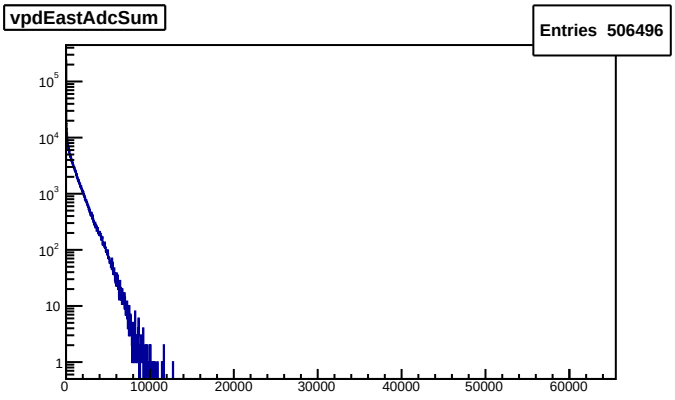
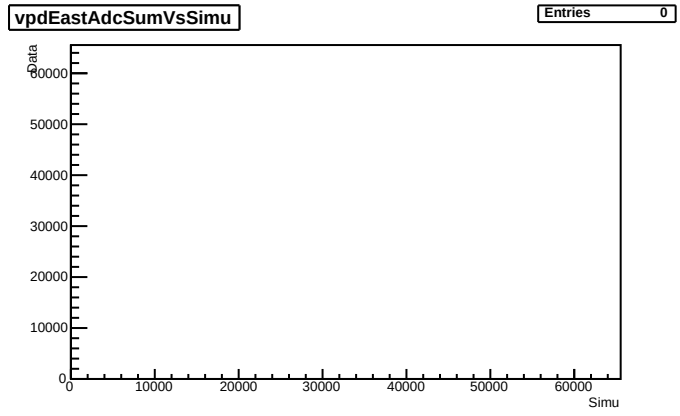
Entries 506496


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 506496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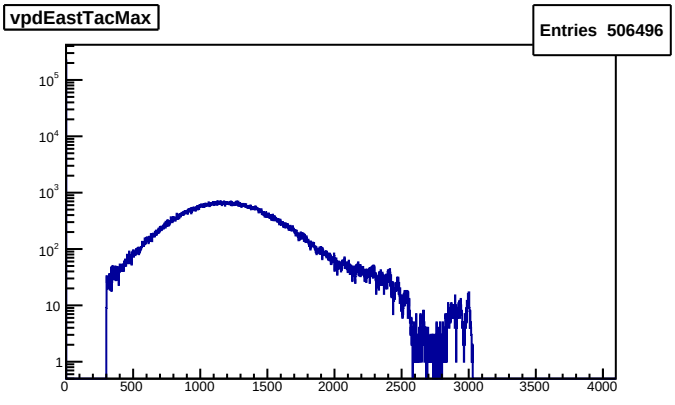
Entries 0
Data
Simu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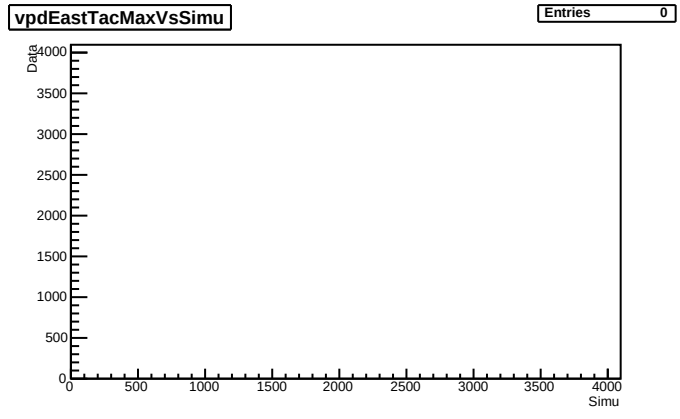
Entries 506496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Entries 0
Data
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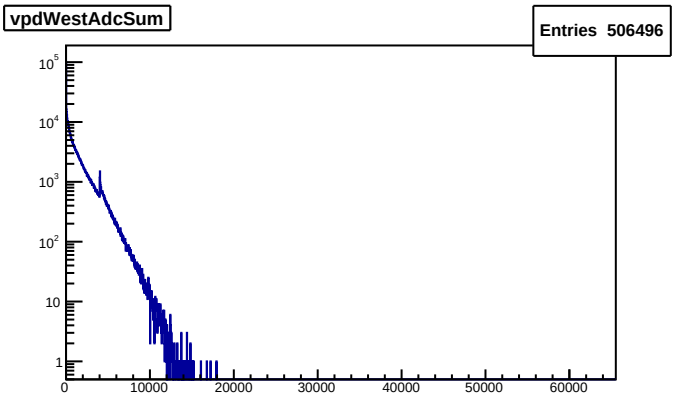
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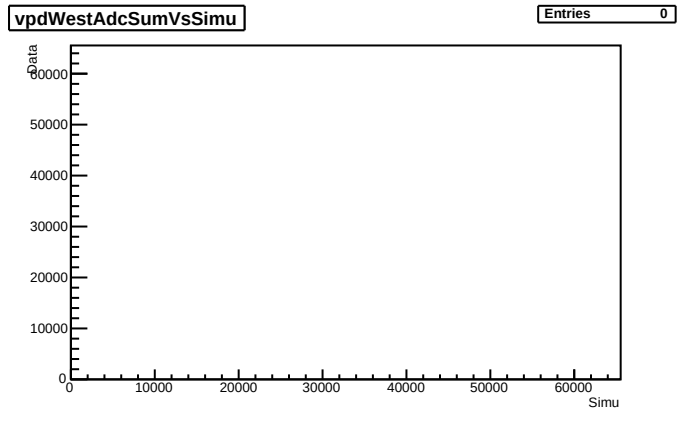
Entries 506496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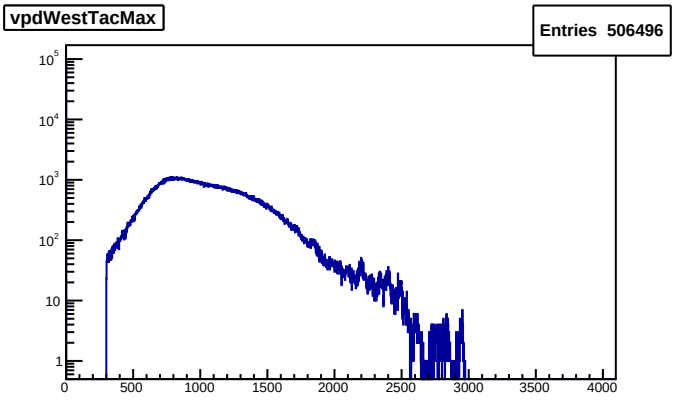
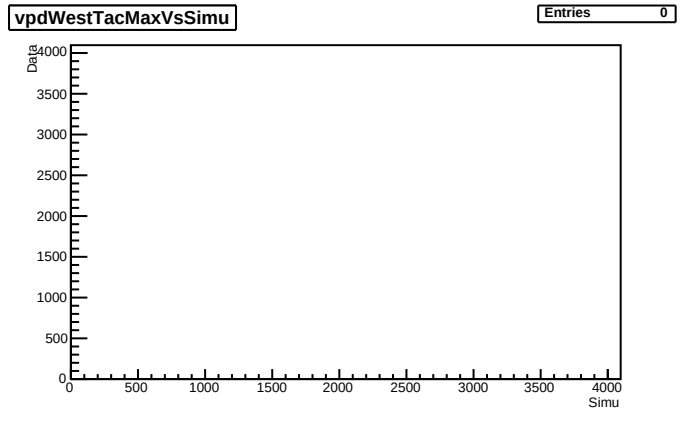
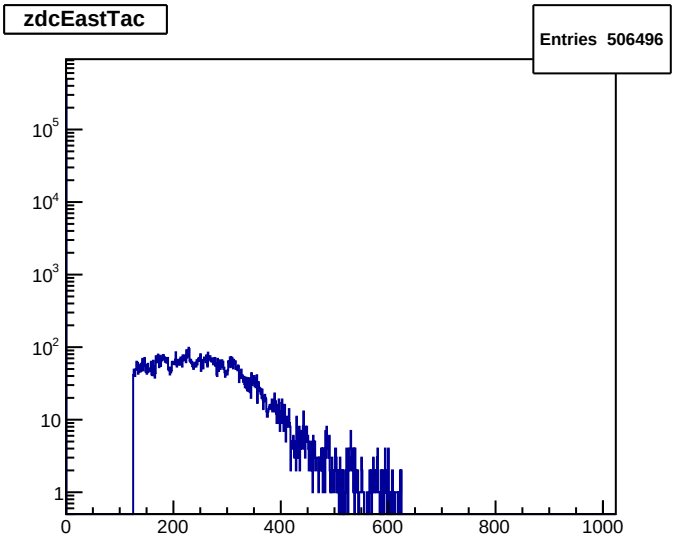
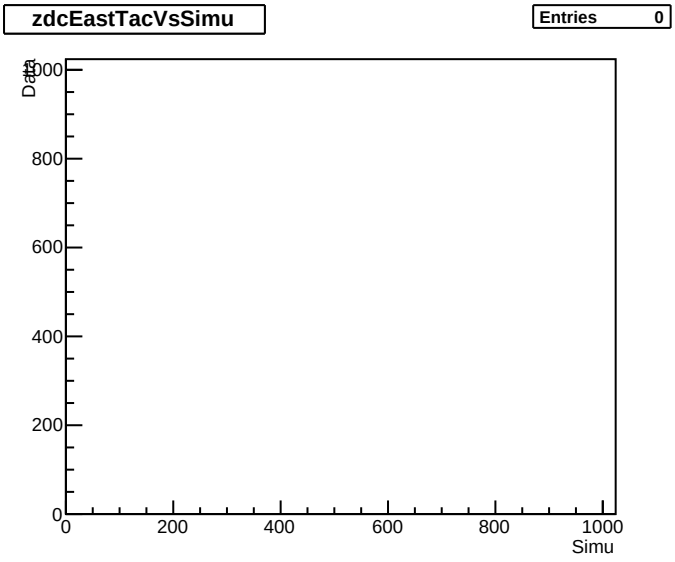
Entries 0
Data
Simu


vpdWestTacMax
Entries 506496


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 506496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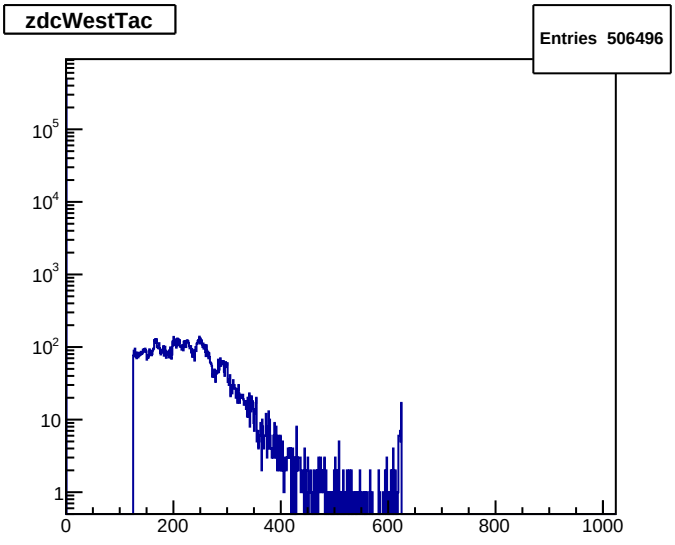
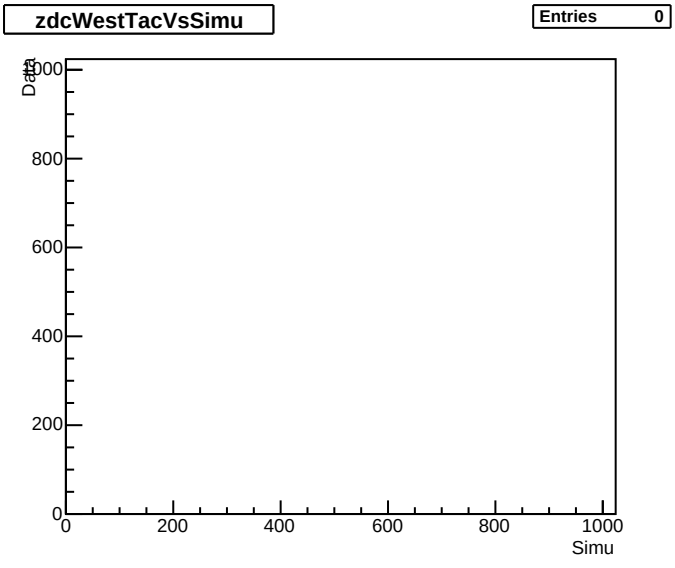
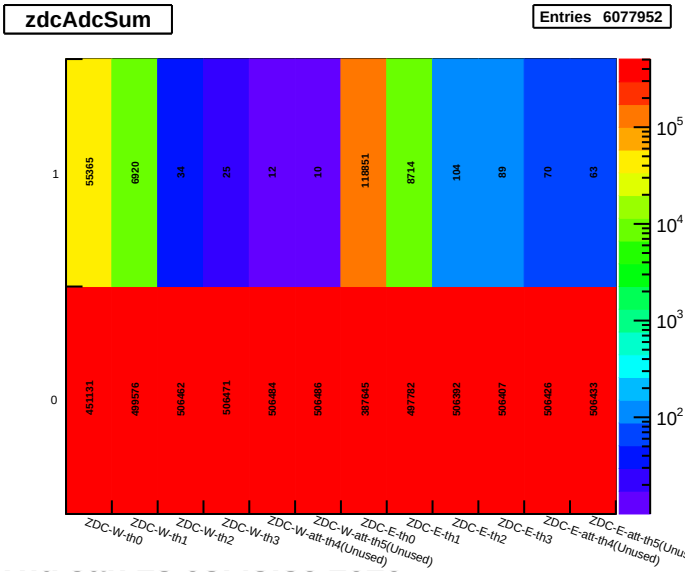
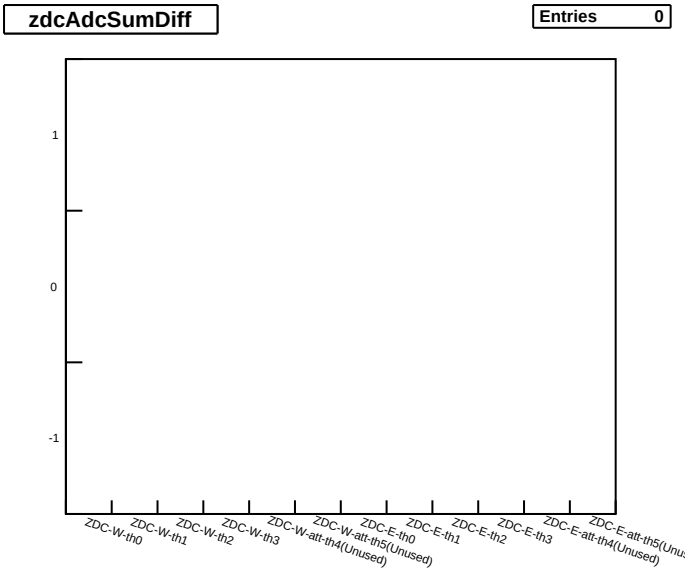
Entries 0
Data
Simu


zdcWestTac
Entries 506496


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6077952
55365
6920
34
25
12
10
118951
8714
104
89
70
63
451131
499576
506462
506471
506484
506486
387645
497782
506392
506407
506426
506433
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
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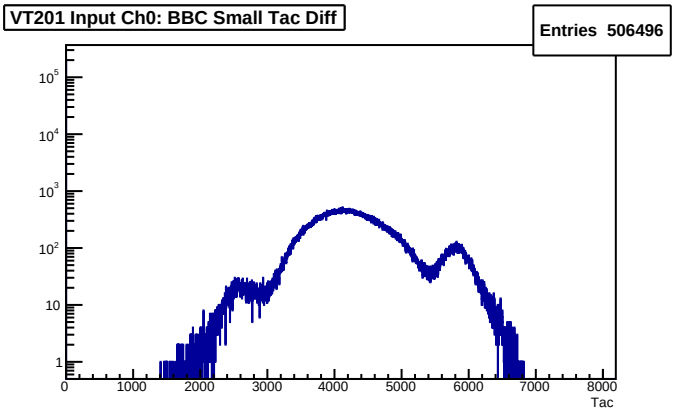
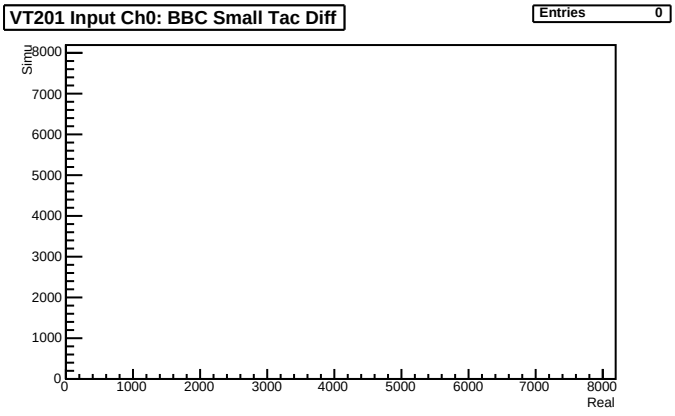
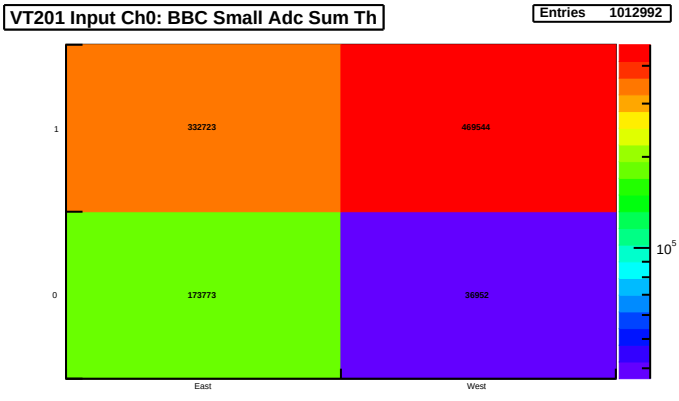
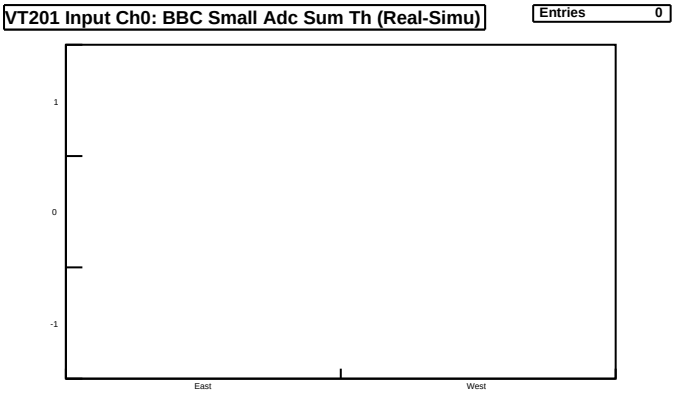
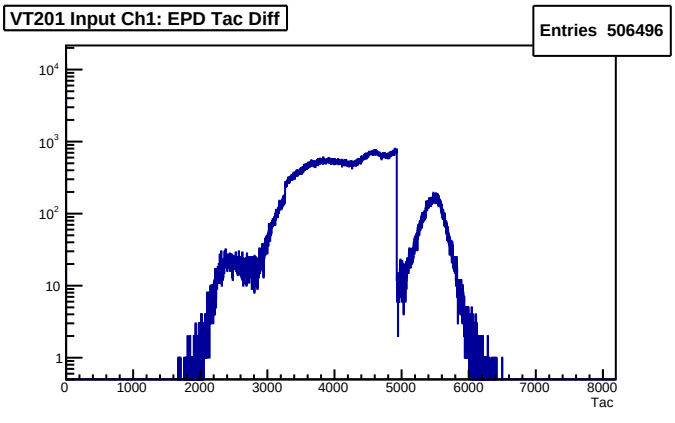
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

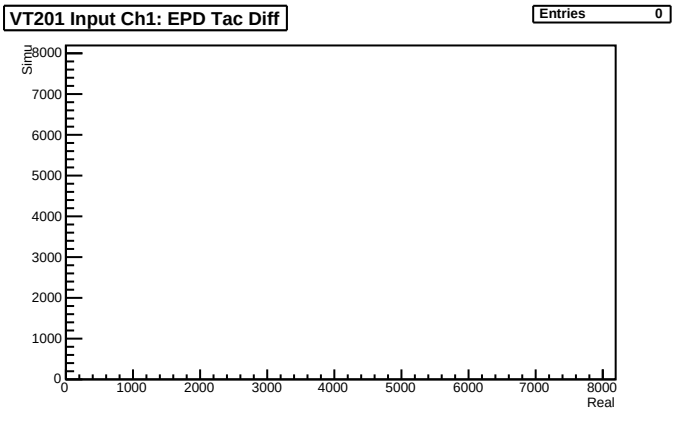

VT201 Input Ch0: BBC Small Tac Diff
Entries 506496
Tac

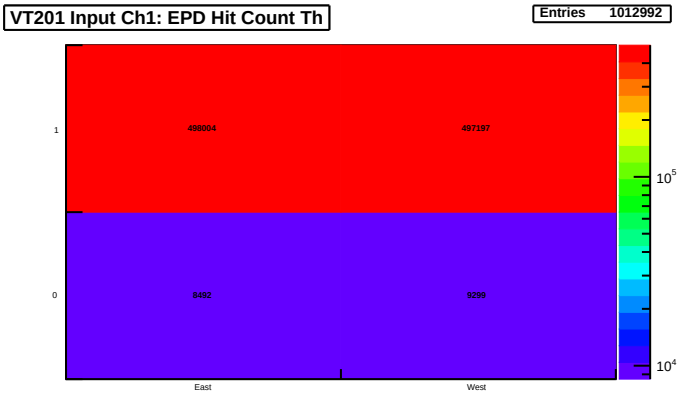

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

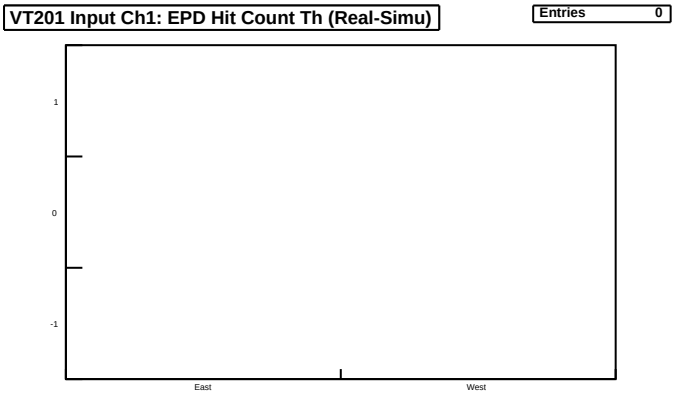

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1012992
332723
469544
173773
36952
East
West

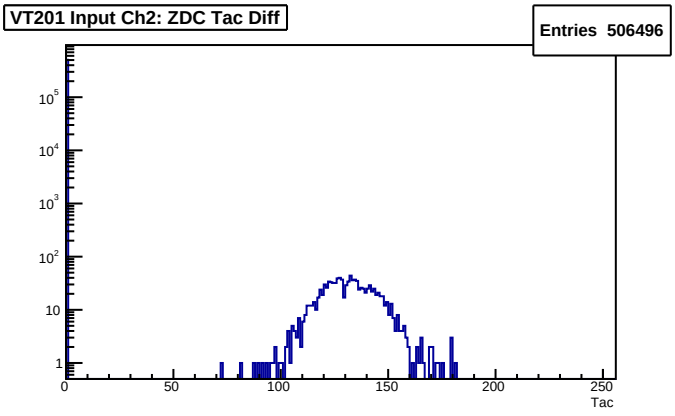

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

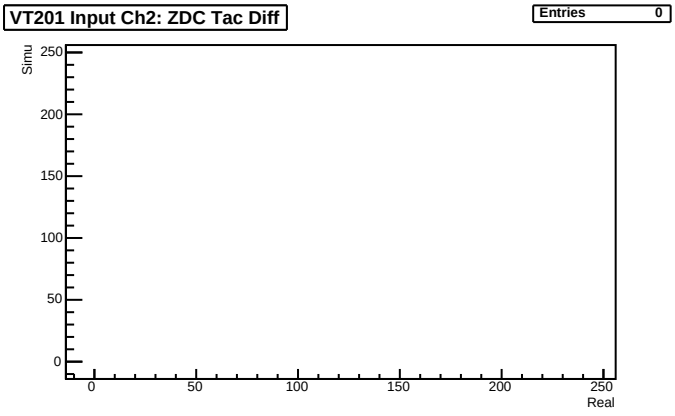

VT201 Input Ch1: EPD Tac Diff
Entries 506496
Tac

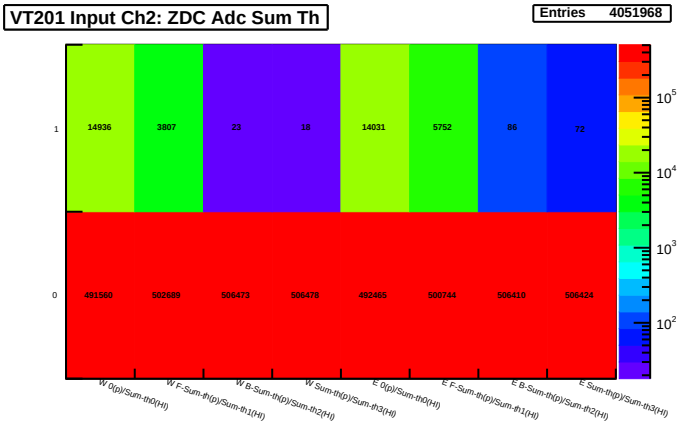

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

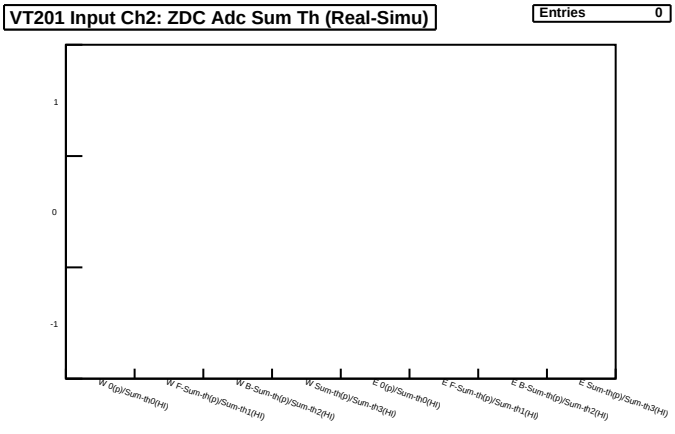

VT201 Input Ch1: EPD Hit Count Th
Entries 1012992
498004
497197
8492
9299
East
West

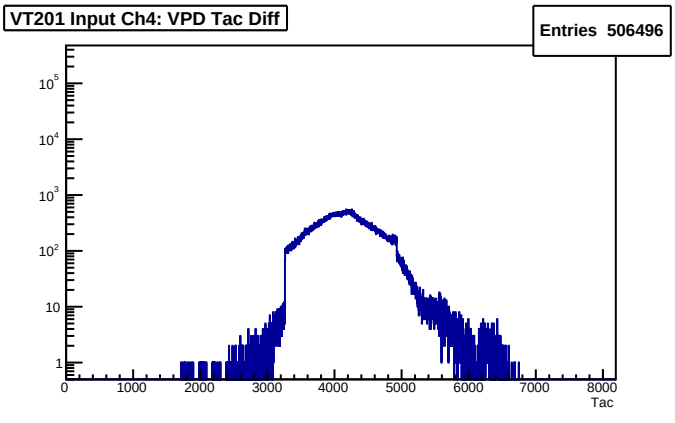

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

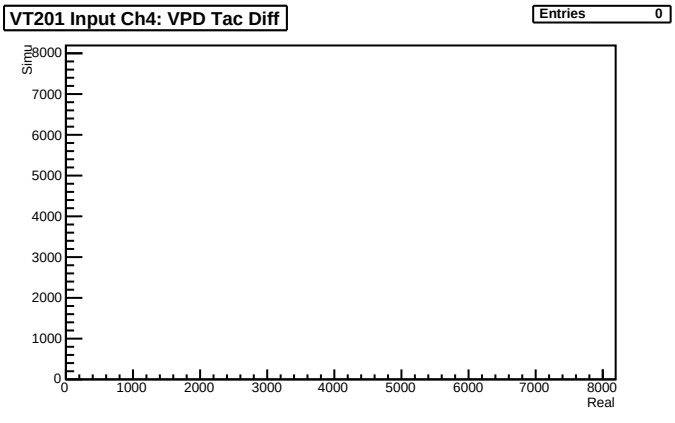

VT201 Input Ch2: ZDC Tac Diff
Entries 506496
Tac

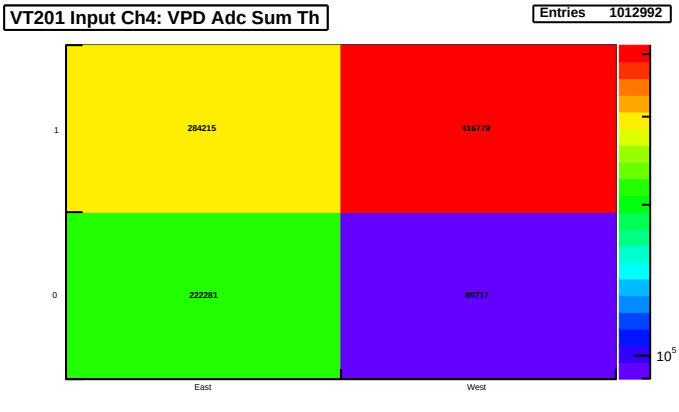

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

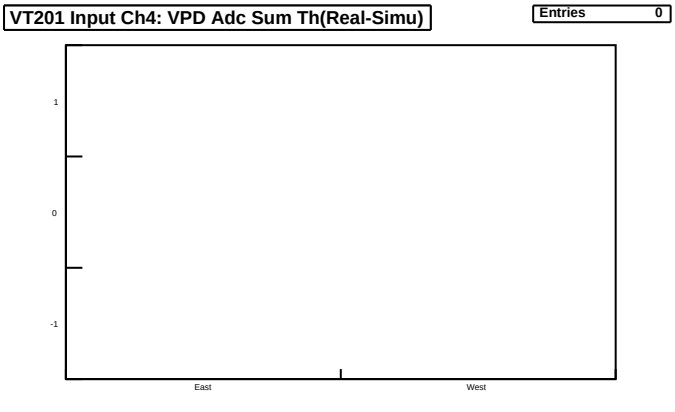

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4051968
14936
3807
23
18
14031
5752
86
72
491560
502689
506473
506478
492465
500744
506410
506424
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

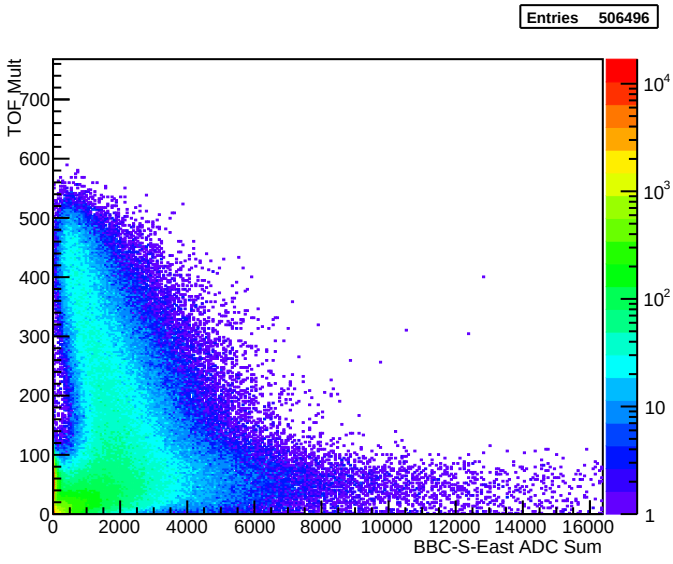

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

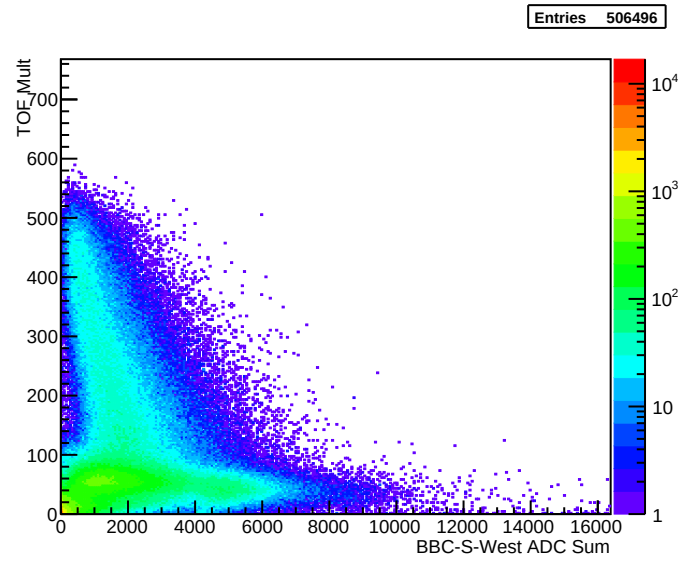

VT201 Input Ch4: VPD Tac Diff
Entries 506496
Tac

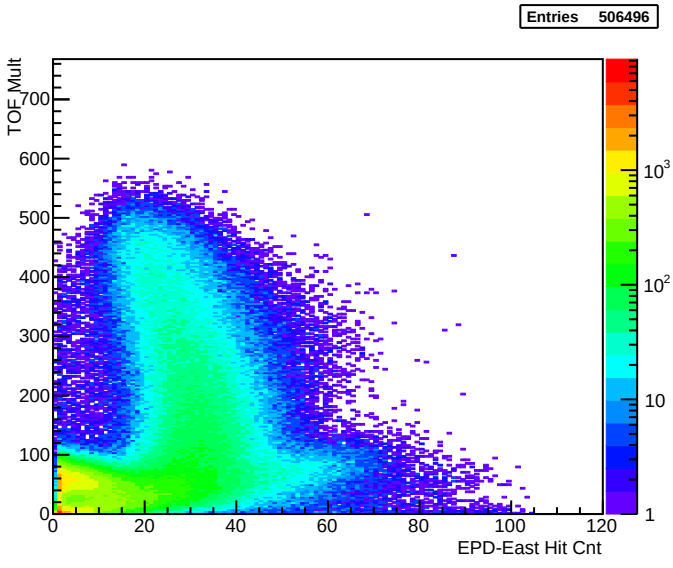

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

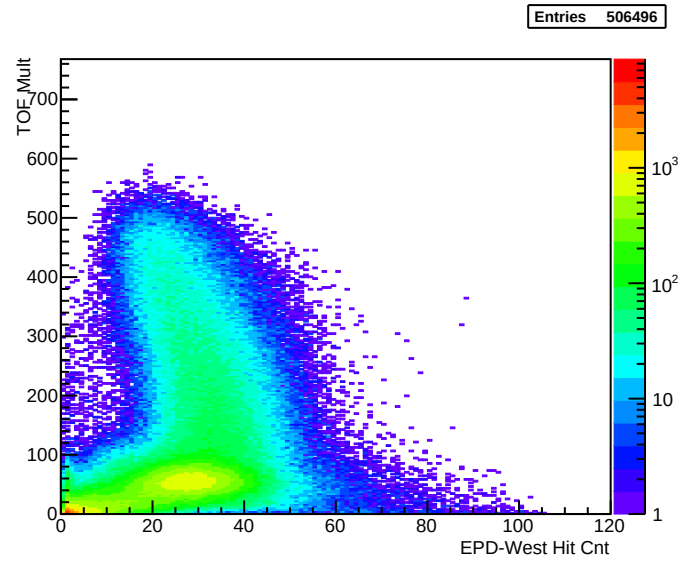

VT201 Input Ch4: VPD Adc Sum Th
Entries 1012992
284215
416779
222281
89717
East
West

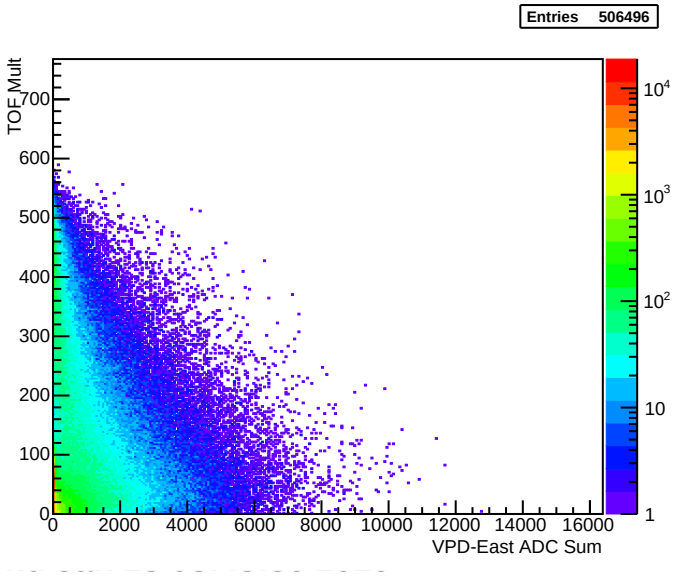

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

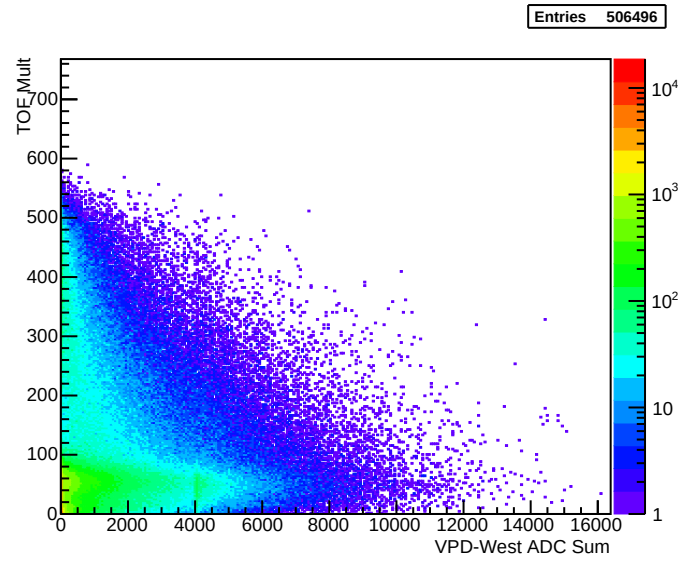

Entries 506496
TOF_Mult
BBC-S-East ADC Sum

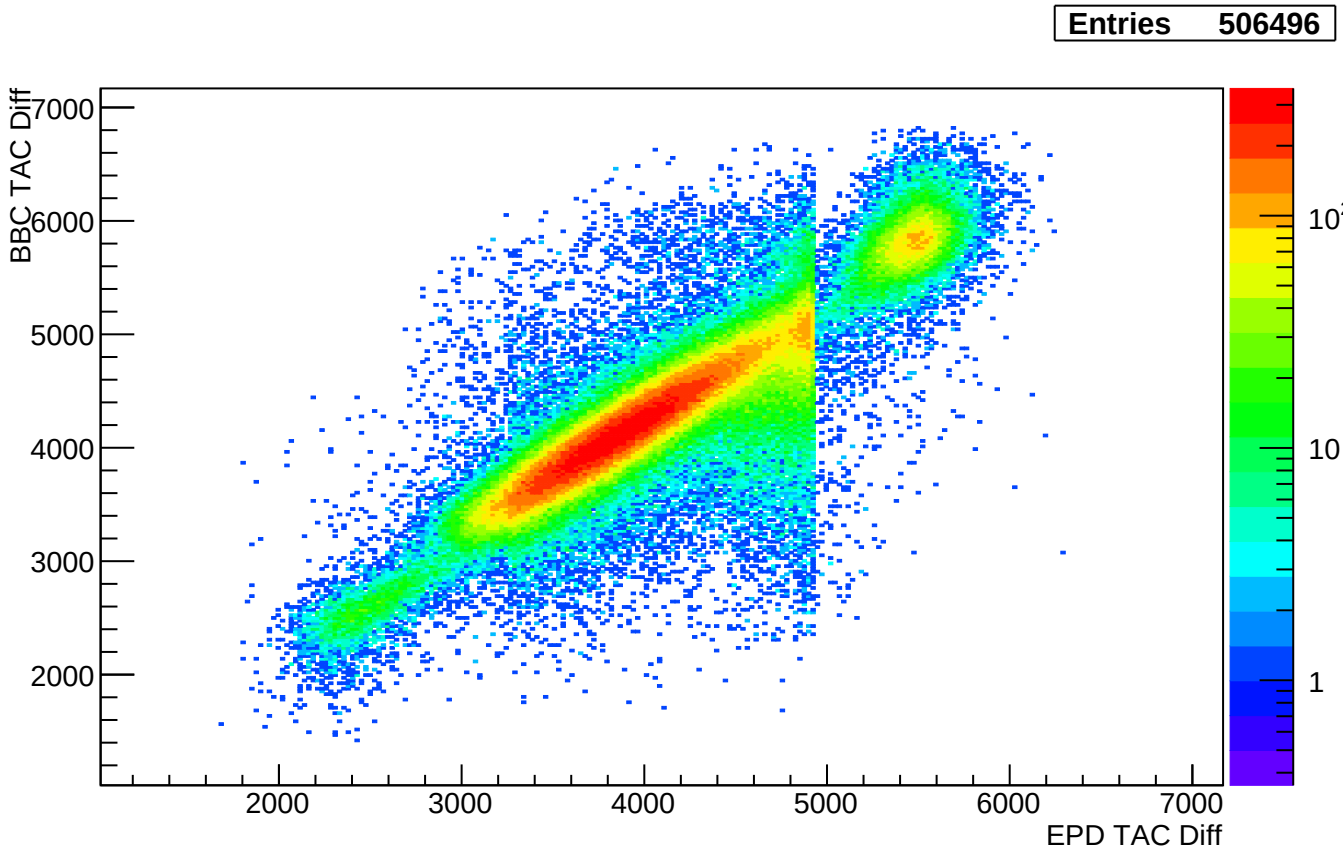

Entries 506496
TOF_Mult
BBC-S-West ADC Sum

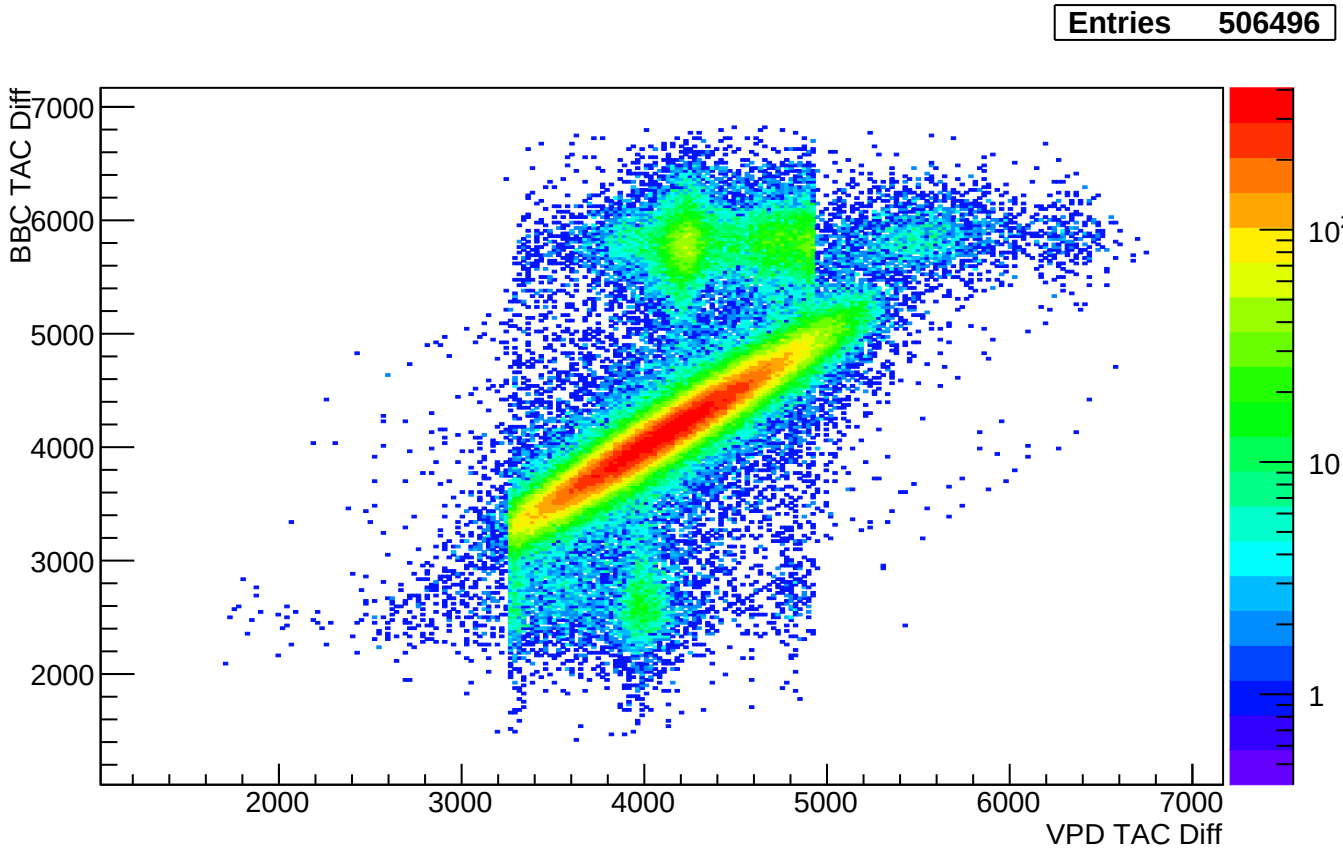

Entries 506496
TOF_Mult
EPD-East Hit Cnt

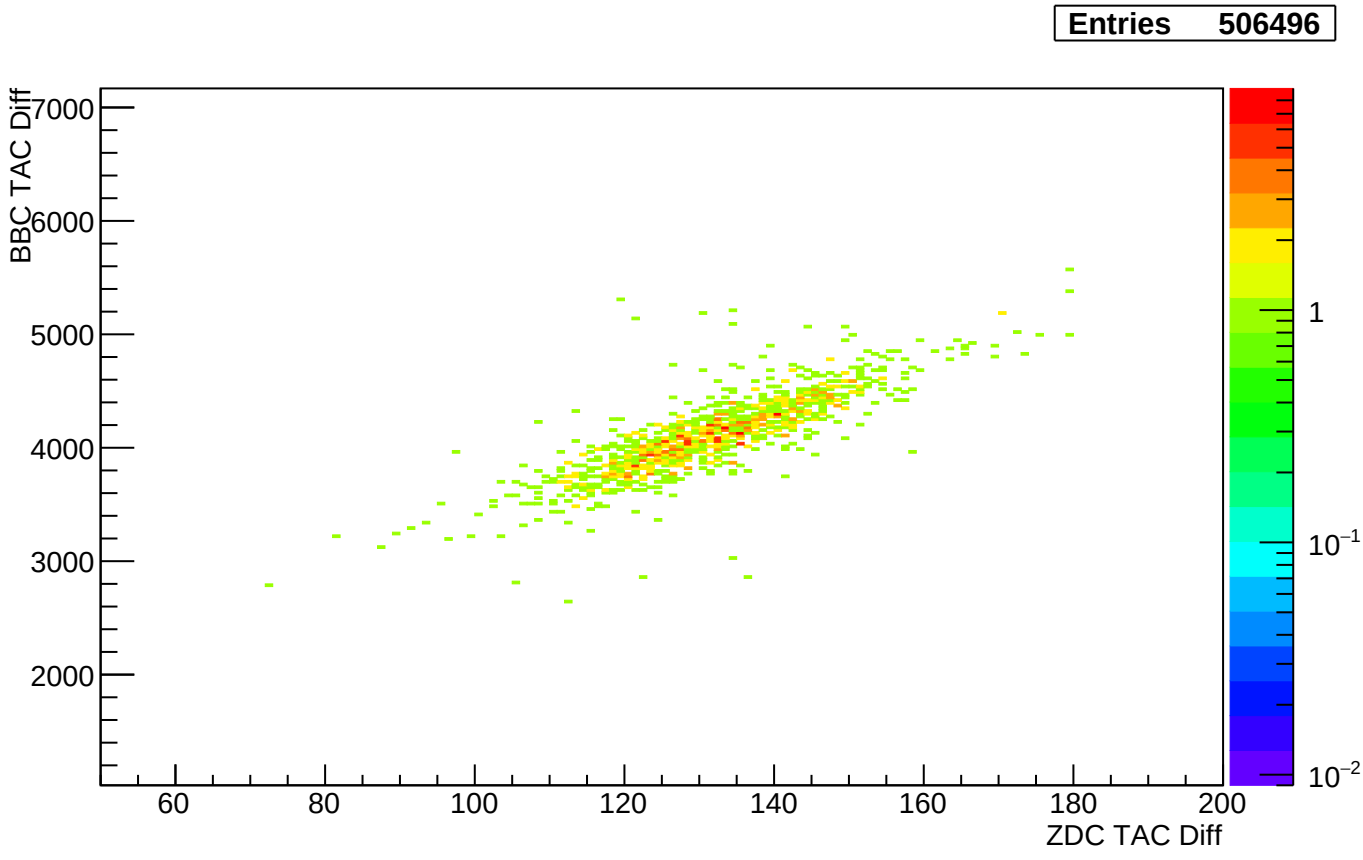

Entries 506496
TOF_Mult
EPD-West Hit Cnt

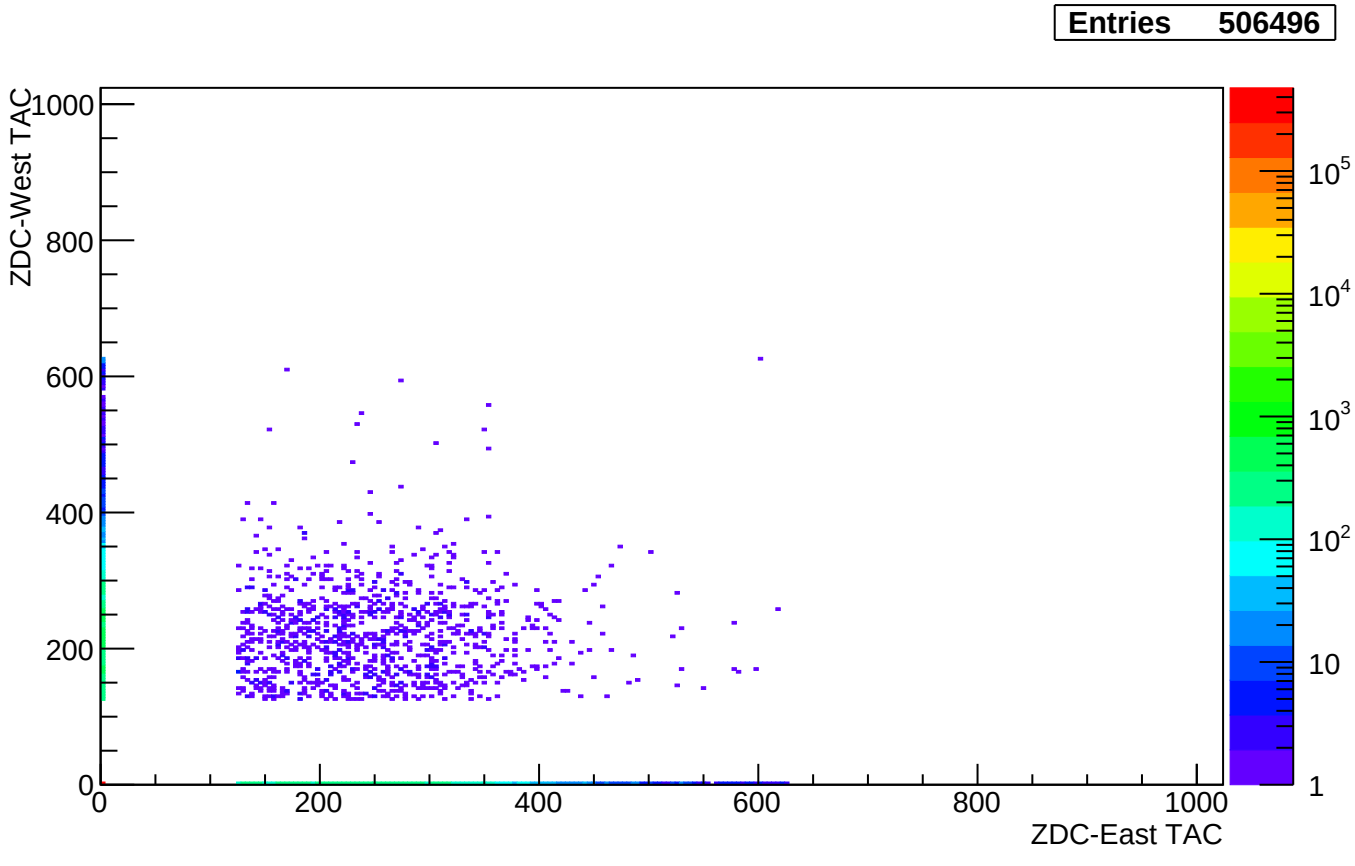

Entries 506496
TOF_Mult
VPD-East ADC Sum

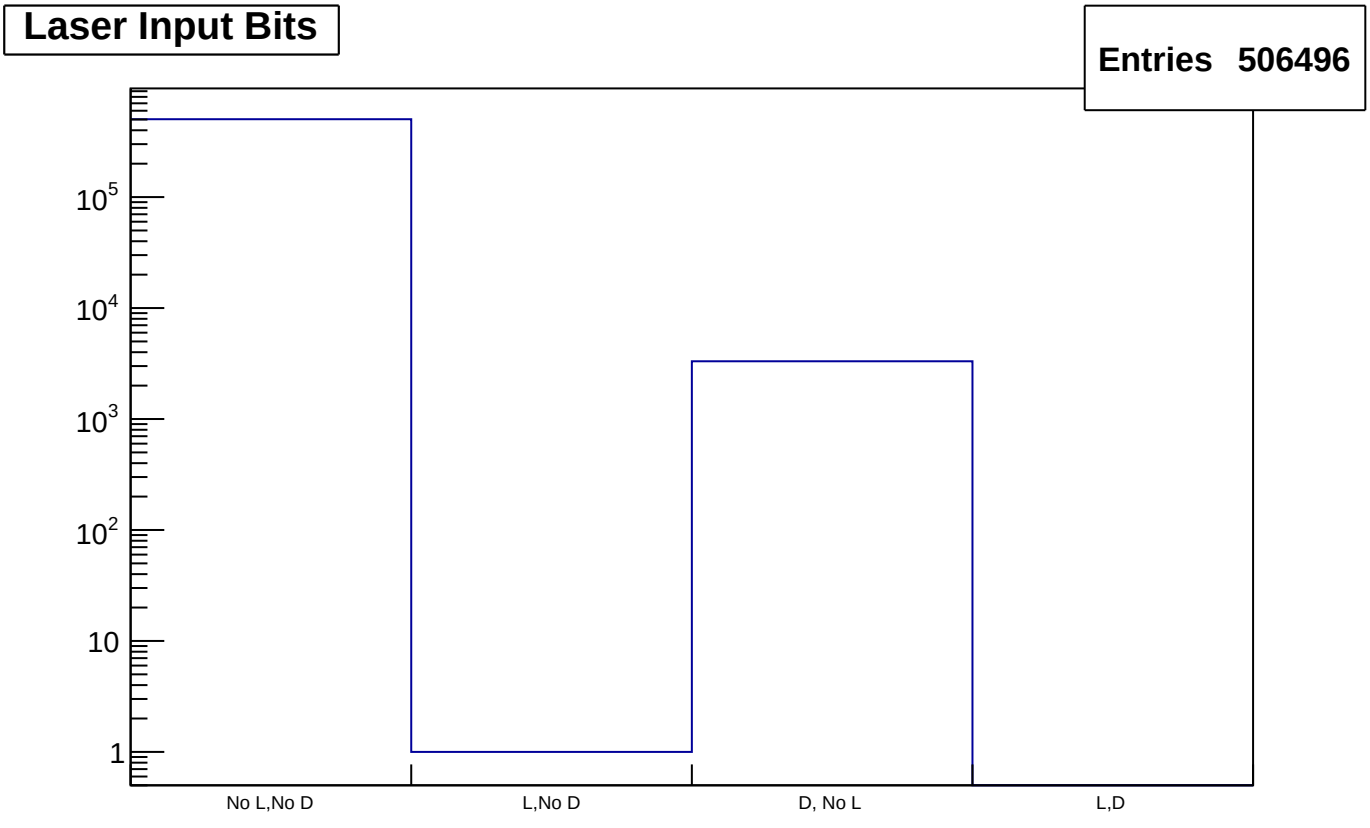

Entries 506496
TOF_Mult
VPD-West ADC Sum

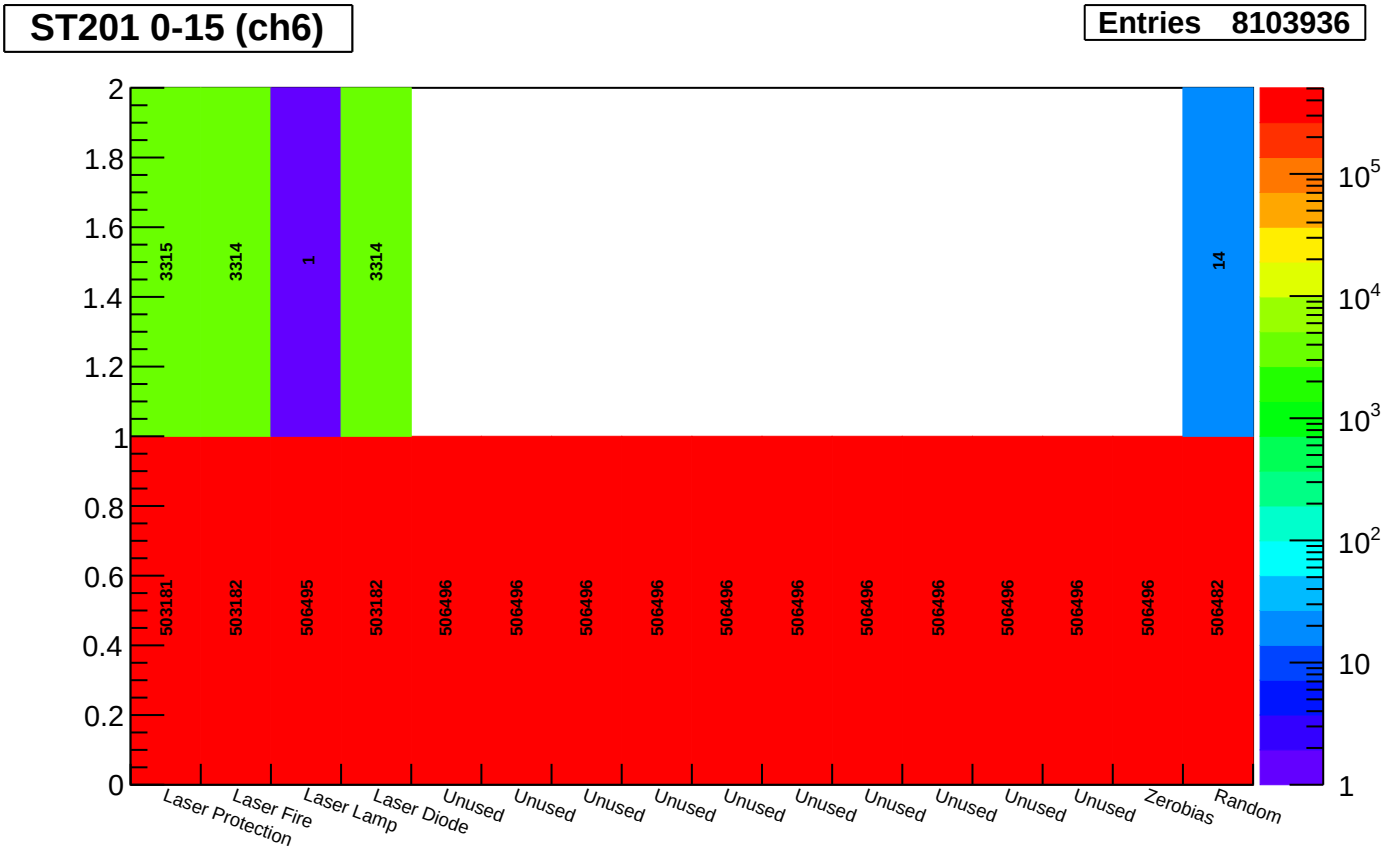

Entries 506496
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1

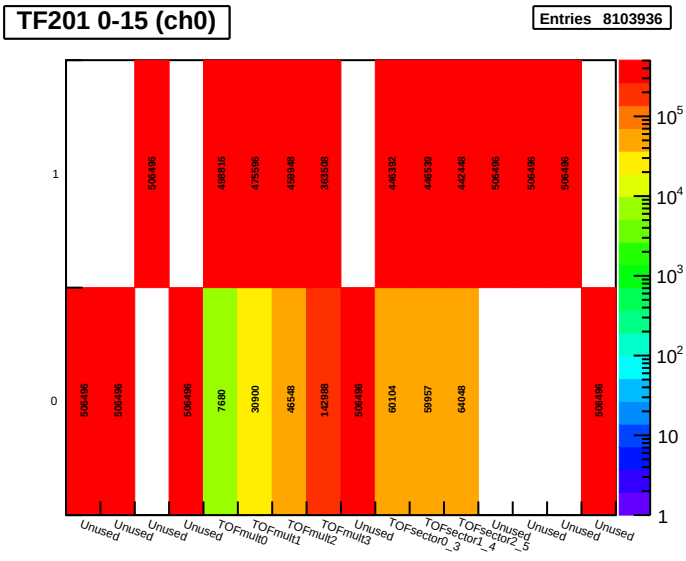

Entries 506496
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
$10^2$
10
1

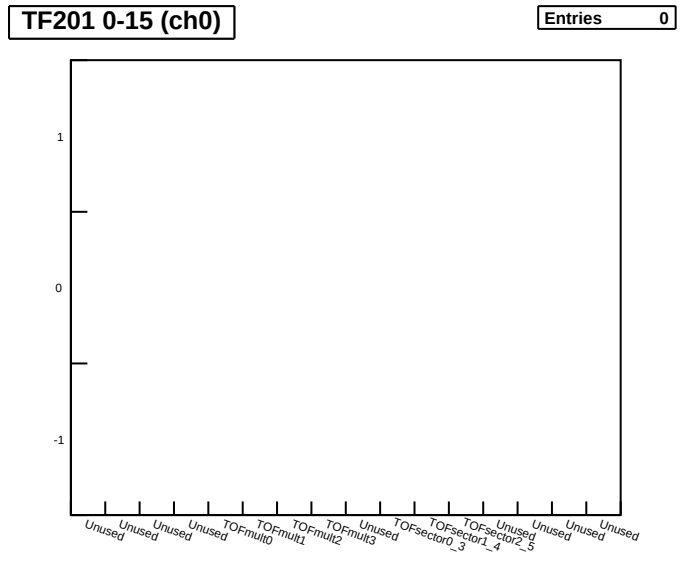

Entries 506496
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
$10^{-1}$
$10^{-2}$

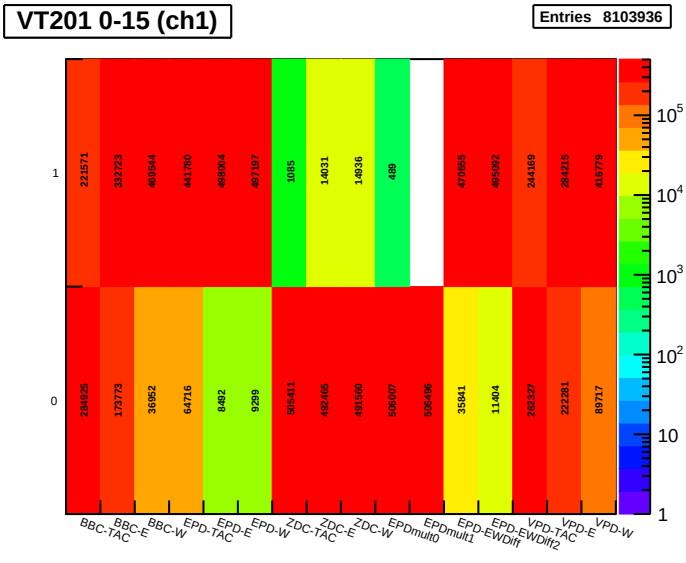

Entries 506496
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

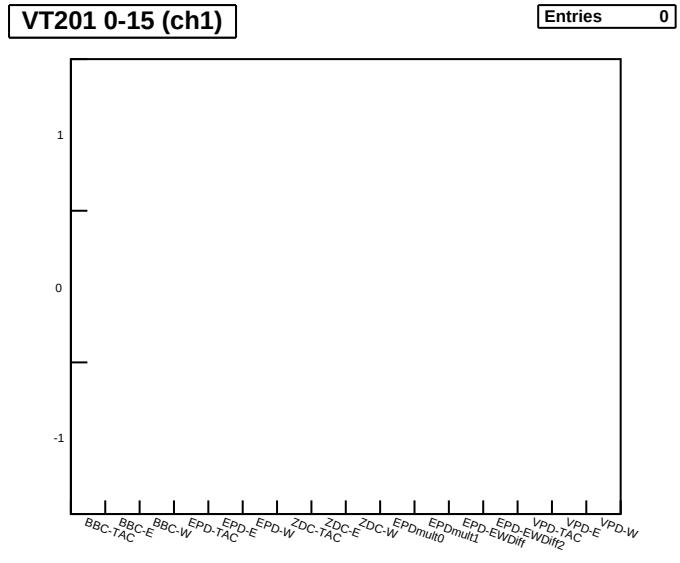

Laser Input Bits
Entries 506496
$10^5$
$10^4$
$10^3$
$10^2$
10
1
No L,No D
L,No D
D, No L
L,D

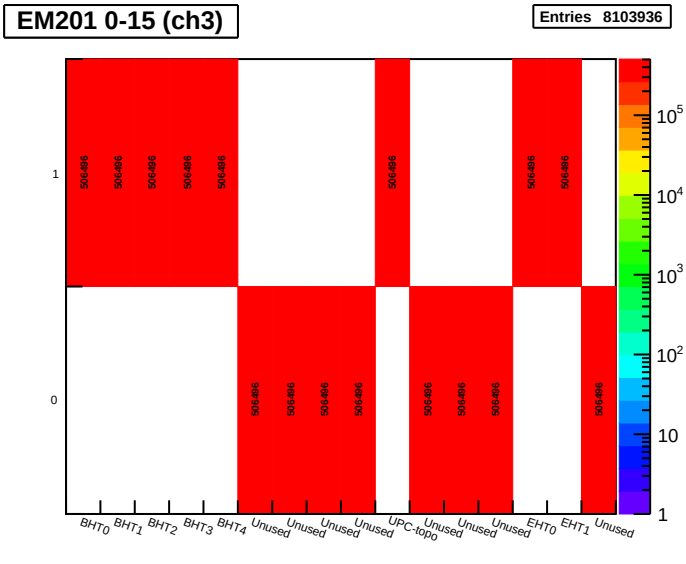

ST201 0-15 (ch6)
Entries 8103936
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
3315
3314
1
3314
14
503181
503182
506495
503182
506496
506496
506496
506496
506496
506496
506496
506496
506496
506496
506496
506482
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
$10^5$
$10^4$
$10^3$
$10^2$
10
1

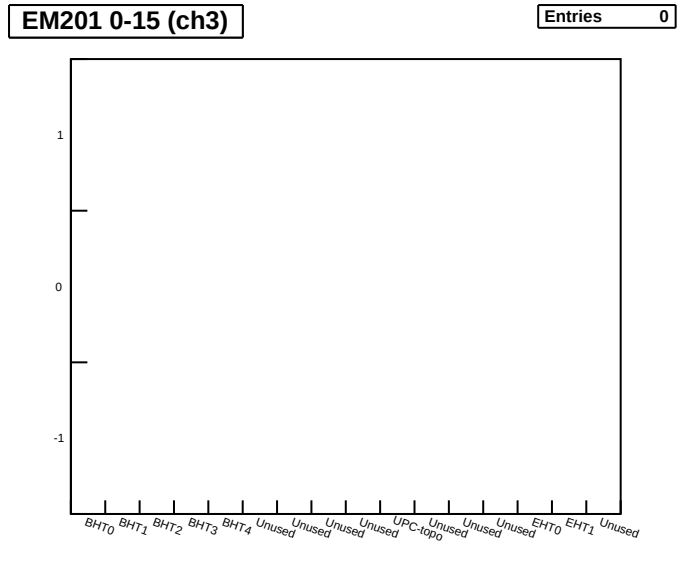

TF201 0-15 (ch0)
Entries 8103936
1
0
506496 506496 506496 506496 475596 459948 363508 446392 446539 442448 506496 506496 506496
506496 506496 506496 7680 30900 46548 142988 506496 60104 59957 64048 506496
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 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 8103936
1
0
221571 332723 469544 441760 498004 497197 1085 14031 14036 489 470655 495092 244169 284215 416779
284925 173773 36952 64716 8492 9299 505411 492465 491560 506007 506496 35841 11404 262327 222281 89717
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 8103936
1
0
506496 506496 506496 506496 506496 506496 506496 506496 506496
506496 506496 506496 506496 506496 506496 506496 506496
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