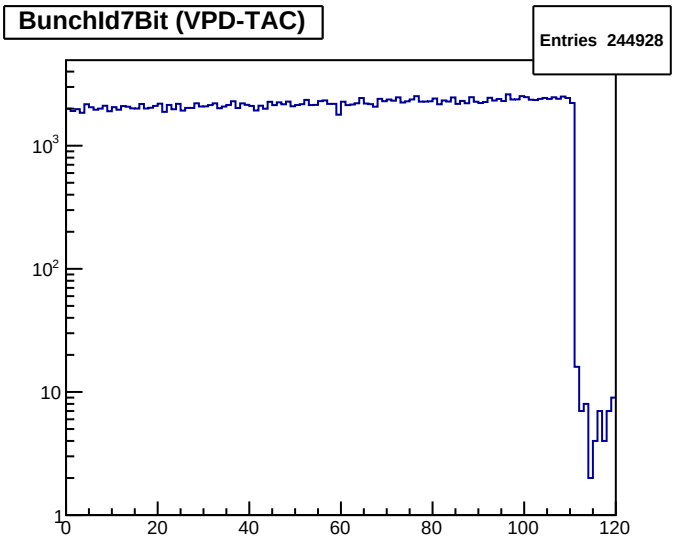
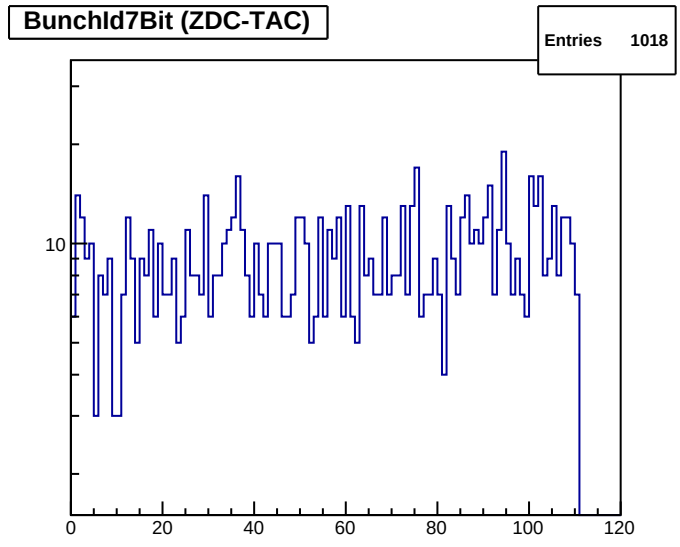
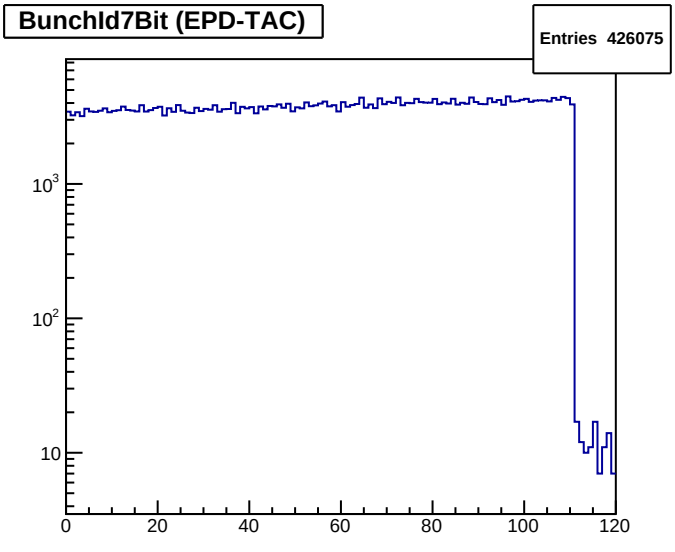
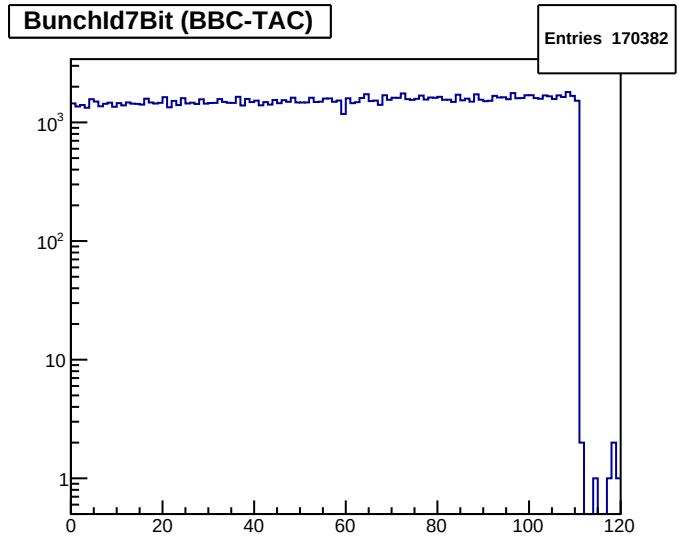
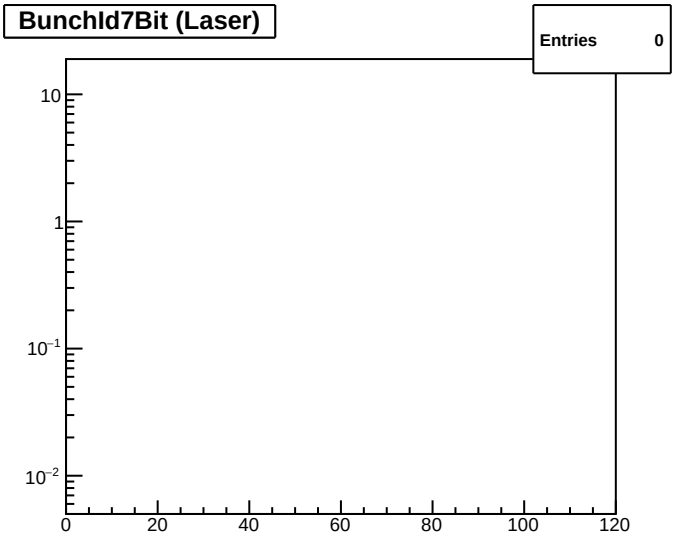
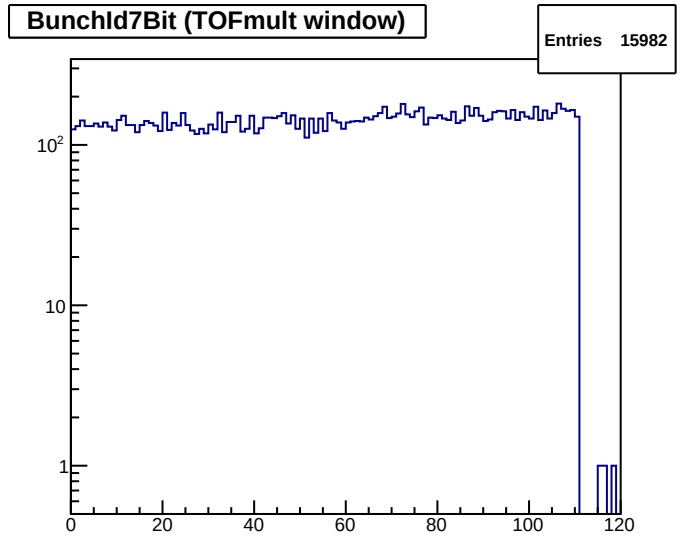

BunchId7Bit (VPD-TAC)
Entries 244928
10^3
10^2
10
1
0
20
40
60
80
100
120

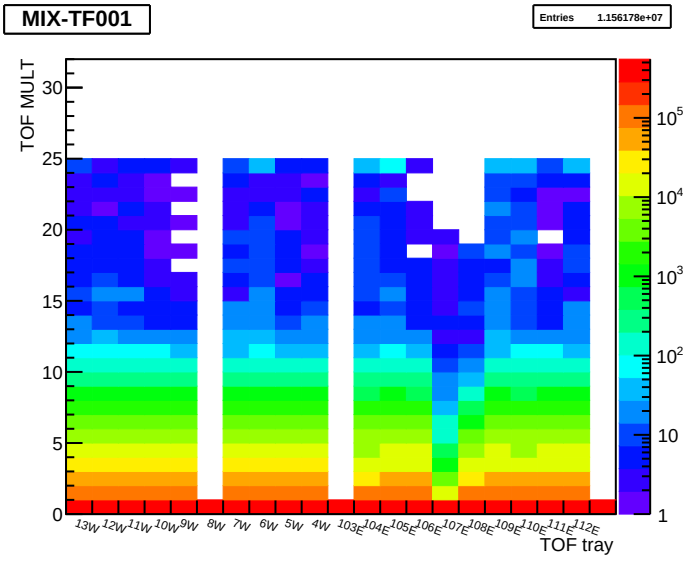

BunchId7Bit (ZDC-TAC)
Entries 1018
10
0
20
40
60
80
100
120

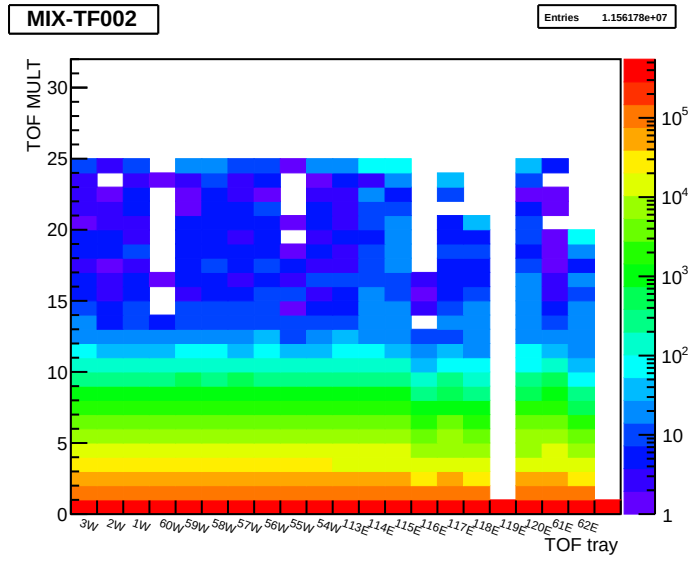

BunchId7Bit (EPD-TAC)
Entries 426075
10^3
10^2
10
0
20
40
60
80
100
120

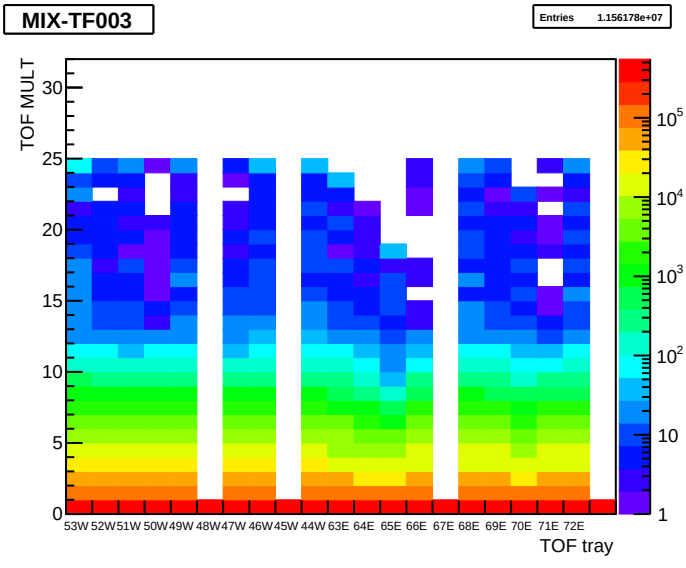

BunchId7Bit (BBC-TAC)
Entries 170382
10^3
10^2
10
1
0
20
40
60
80
100
120

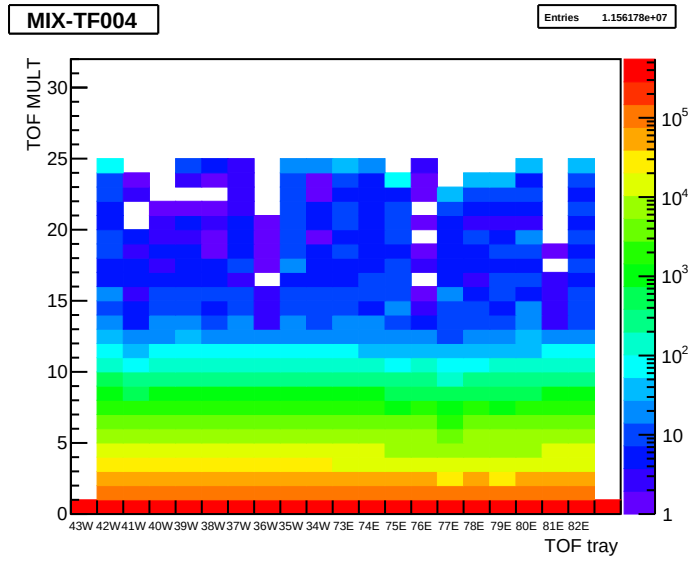

BunchId7Bit (Laser)
Entries 0
10
1
10^{-1}
10^{-2}
0
20
40
60
80
100
120

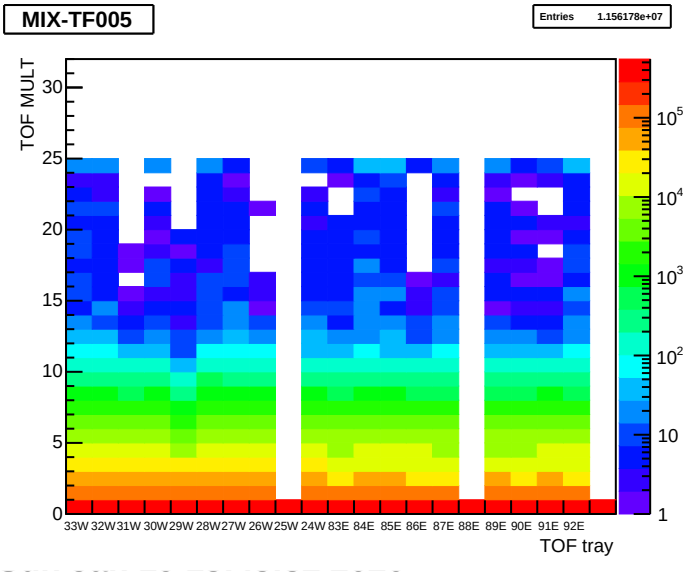

BunchId7Bit (TOFmult window)
Entries 15982
10^2
10
1
0
20
40
60
80
100
120

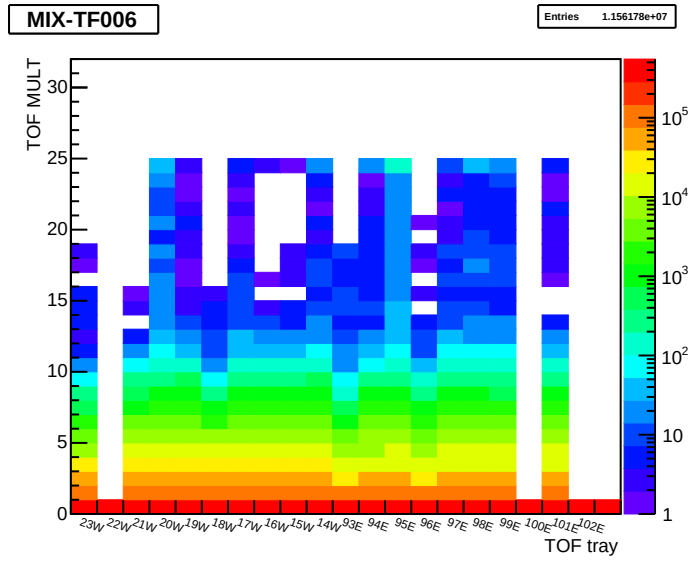

MIX-TF001
Entries 1.156178e+07
TOF MULT
TOF tray

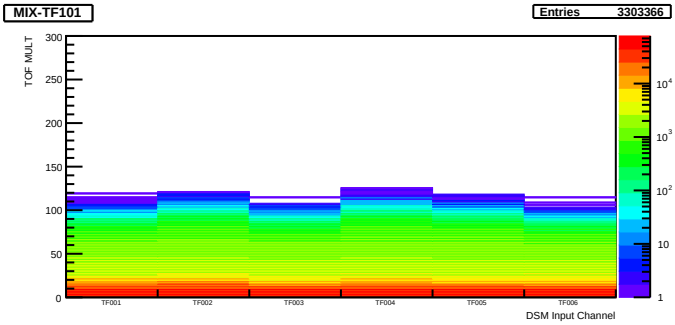

MIX-TF002
Entries 1.156178e+07
TOF MULT
TOF tray

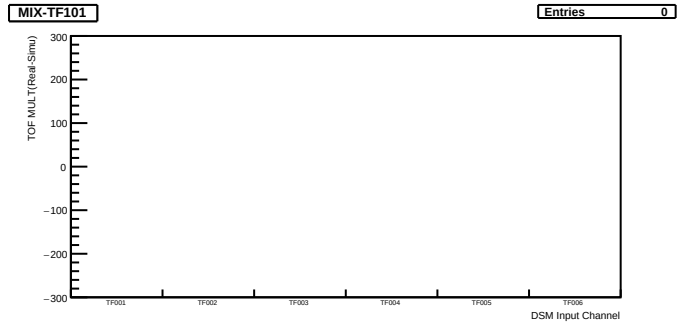

MIX-TF003
Entries 1.156178e+07
TOF MULT
TOF tray

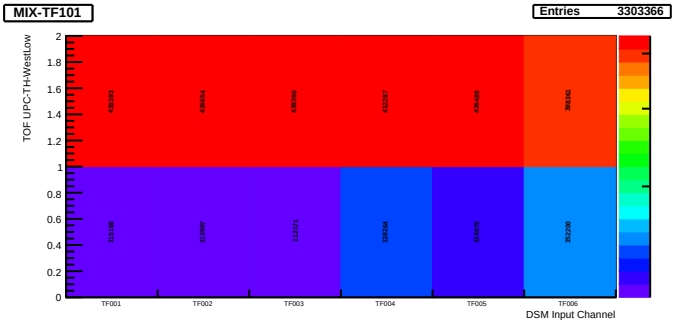

MIX-TF004
Entries 1.156178e+07
TOF MULT
TOF tray

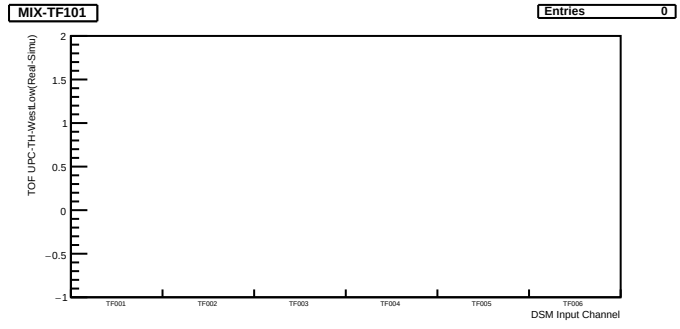

MIX-TF005
Entries 1.156178e+07
TOF MULT
TOF tray

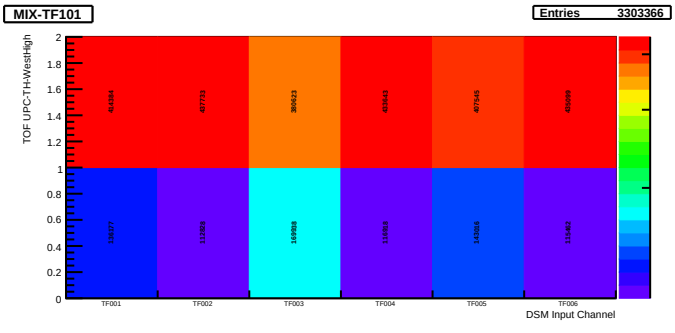

MIX-TF006
Entries 1.156178e+07
TOF MULT
TOF tray

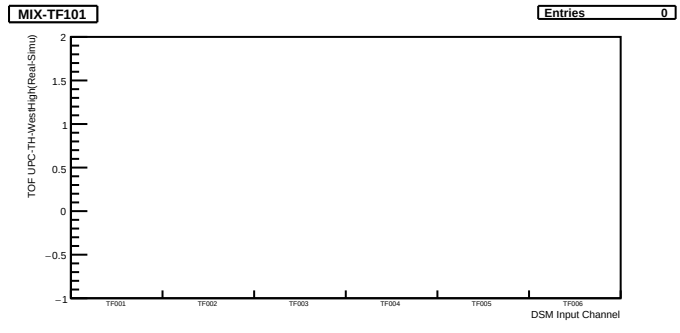

MIX-TF101
Entries 3303366
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

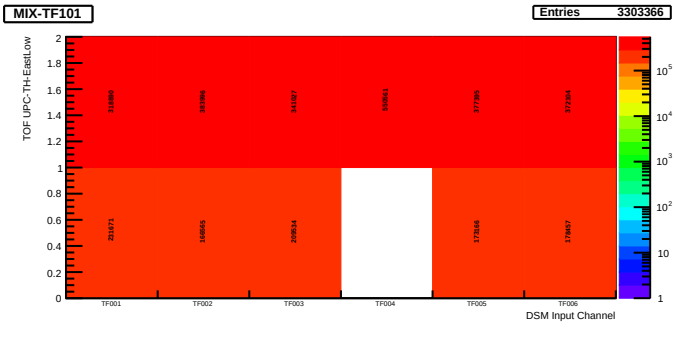

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

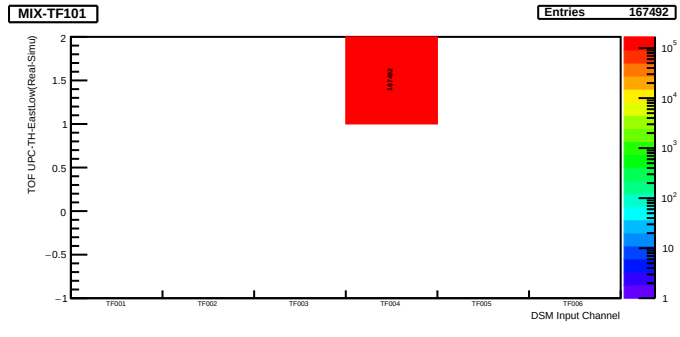

MIX-TF101
Entries 3303366
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

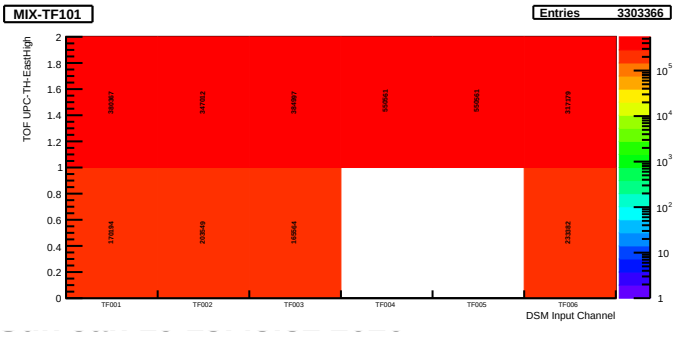

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

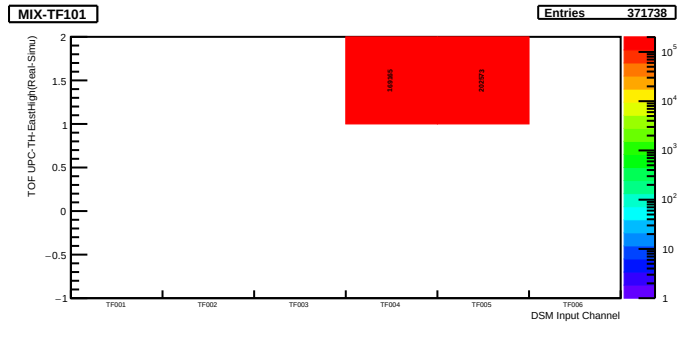

MIX-TF101
Entries 3303366
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

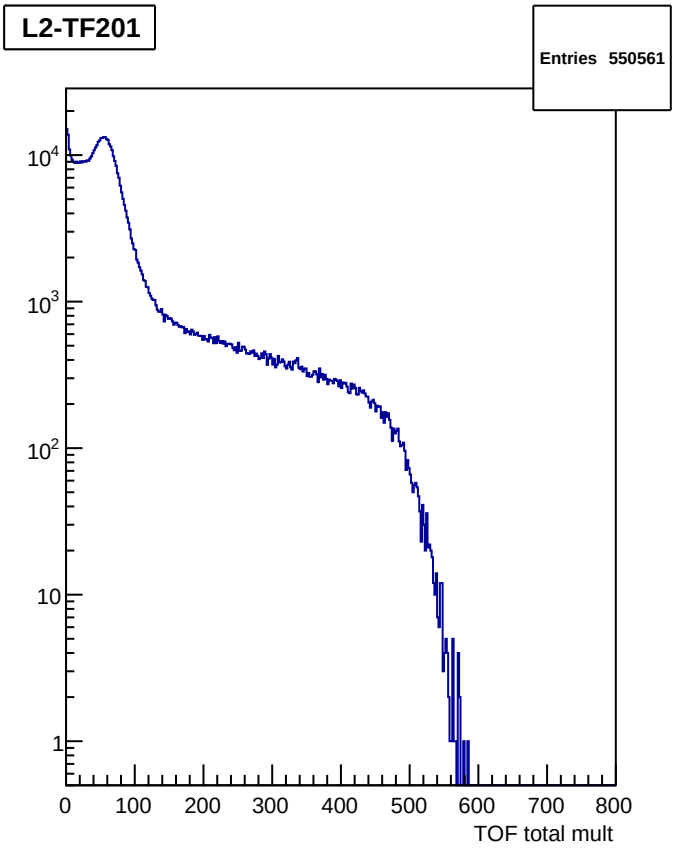

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

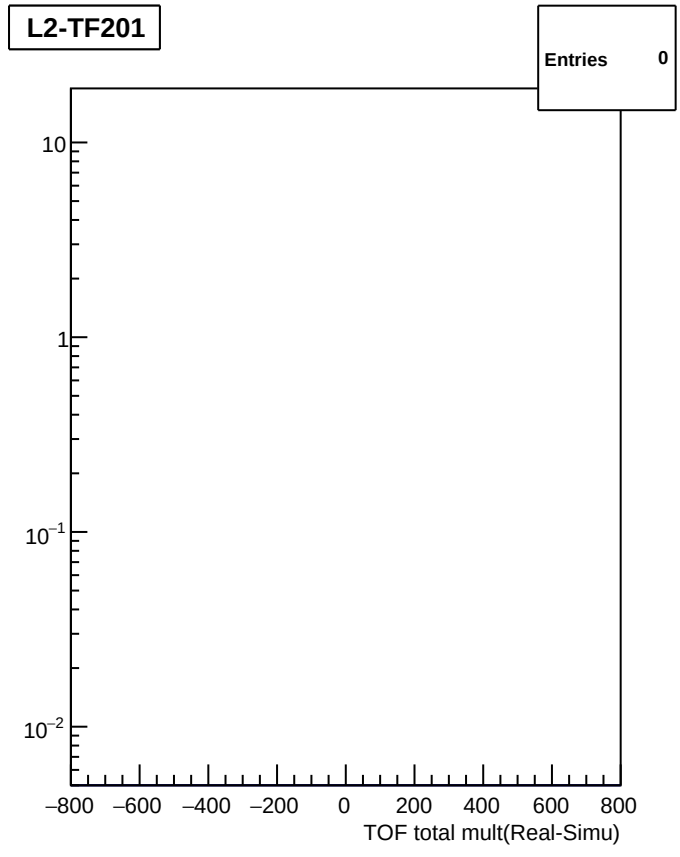

MIX-TF101
Entries 3303366
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

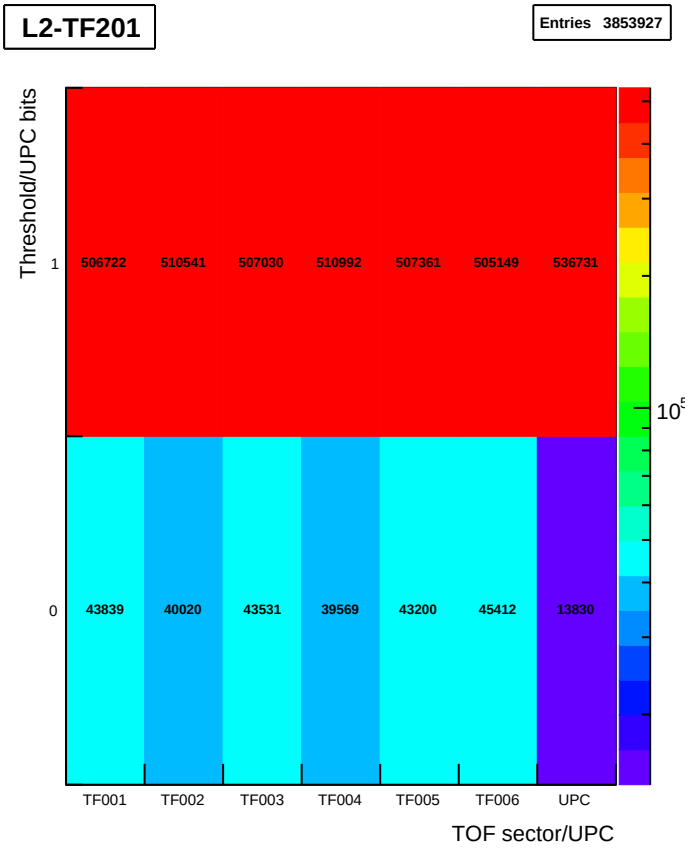

MIX-TF101
Entries 167492
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

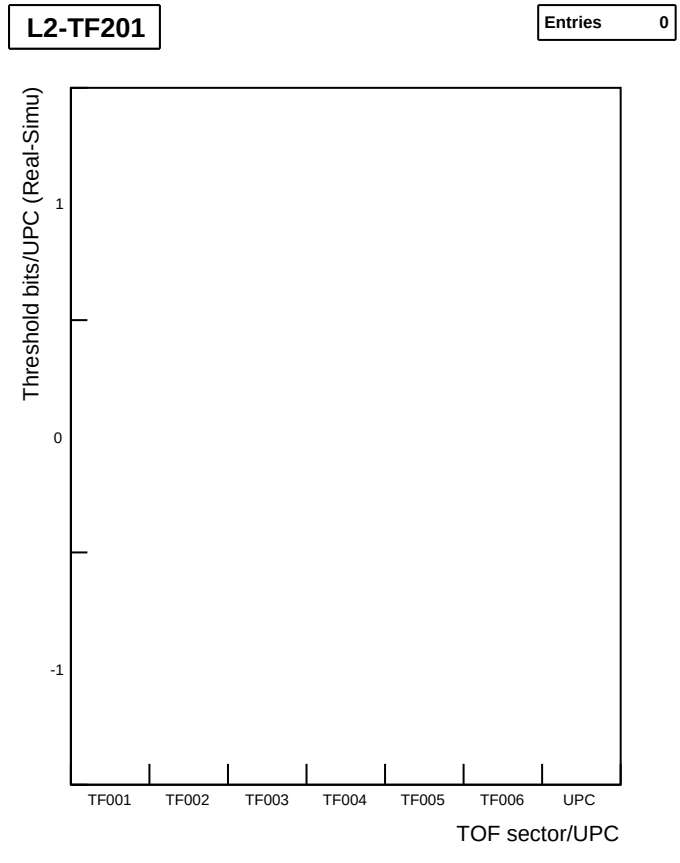

MIX-TF101
Entries 3303366
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

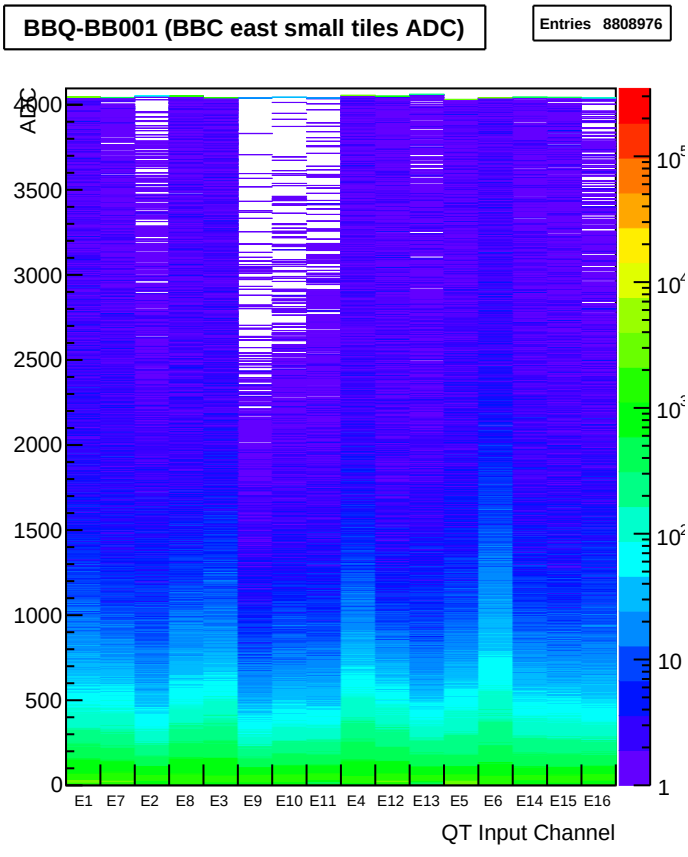

MIX-TF101
Entries 371738
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

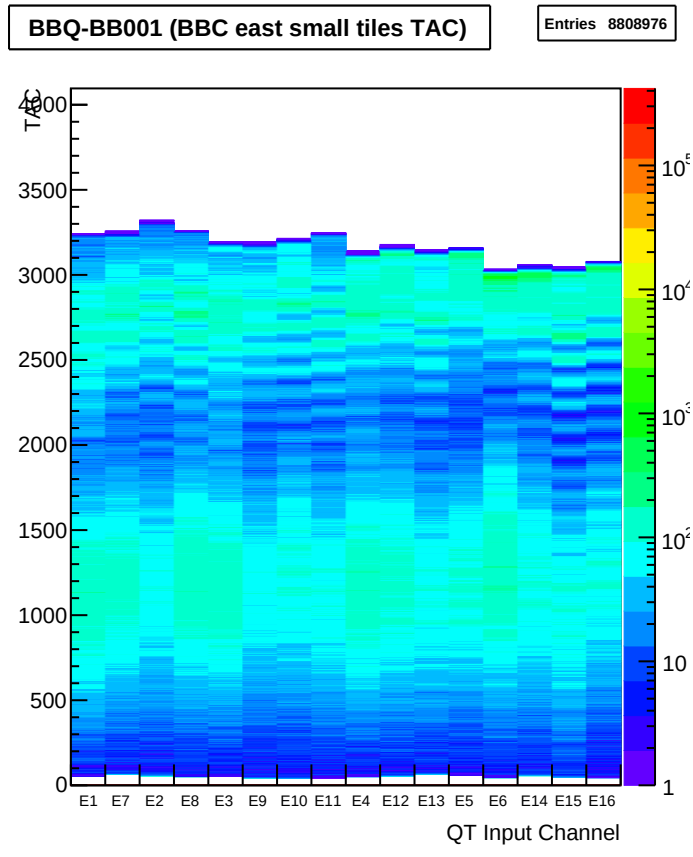

L2-TF201
Entries 550561
TOF total mult

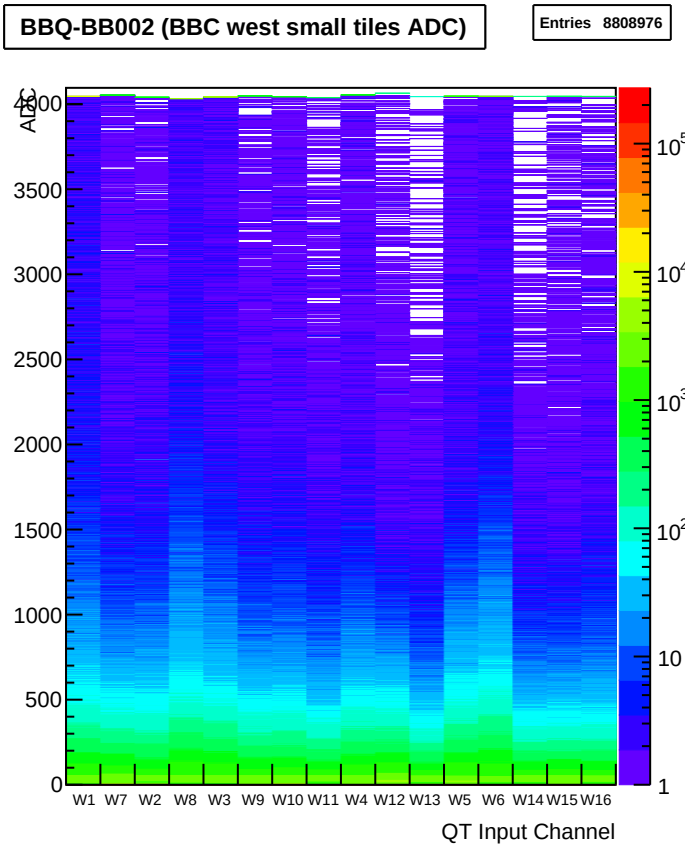

L2-TF201
Entries 0
TOF total mult(Real-Simu)

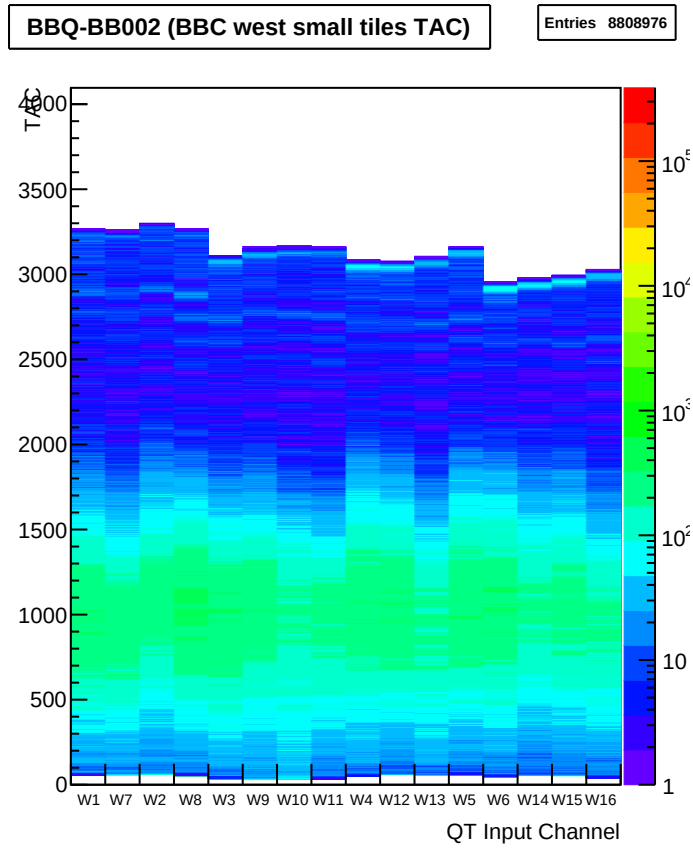

L2-TF201
Entries 3853927
Threshold/UPC bits
506722
510541
507030
510992
507361
505149
536731
43839
40020
43531
39569
43200
45412
13830
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

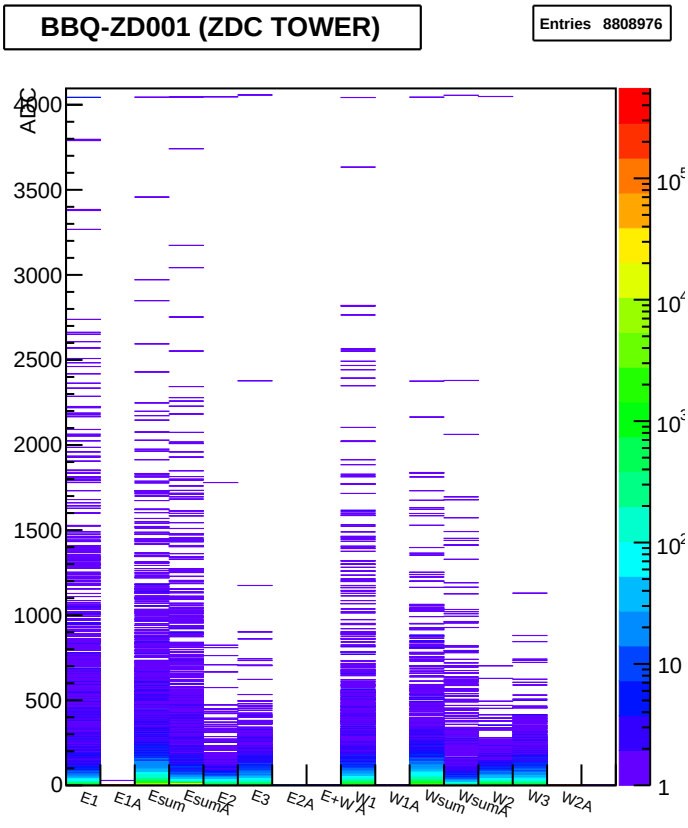

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

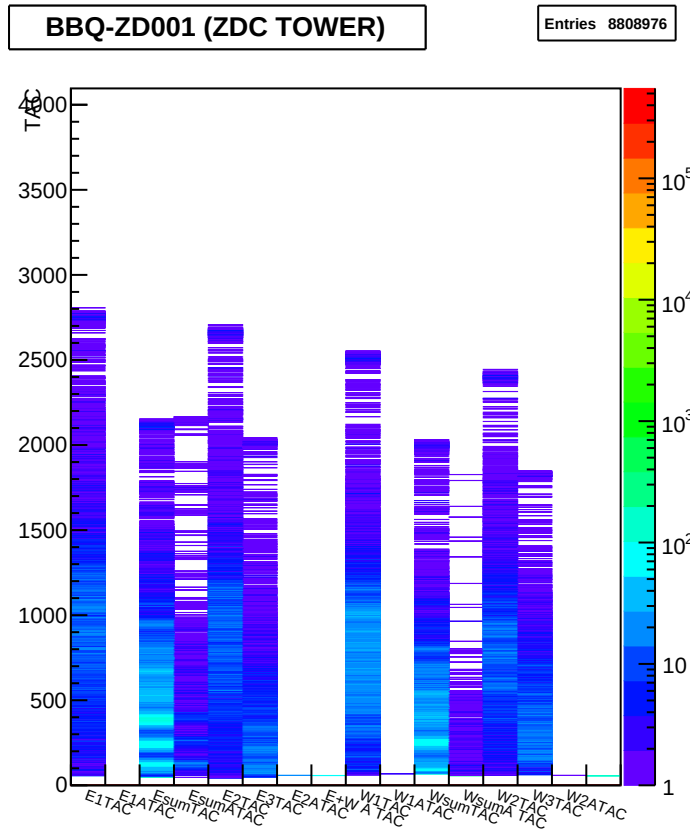

BBQ-BB001 (BBC east small tiles ADC)
Entries 8808976
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

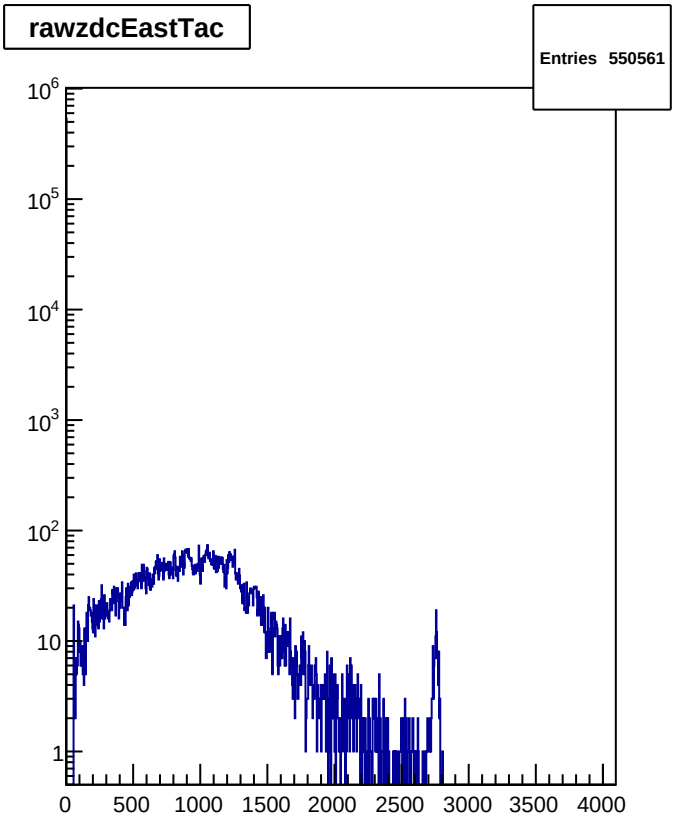

BBQ-BB001 (BBC east small tiles TAC)
Entries 8808976
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

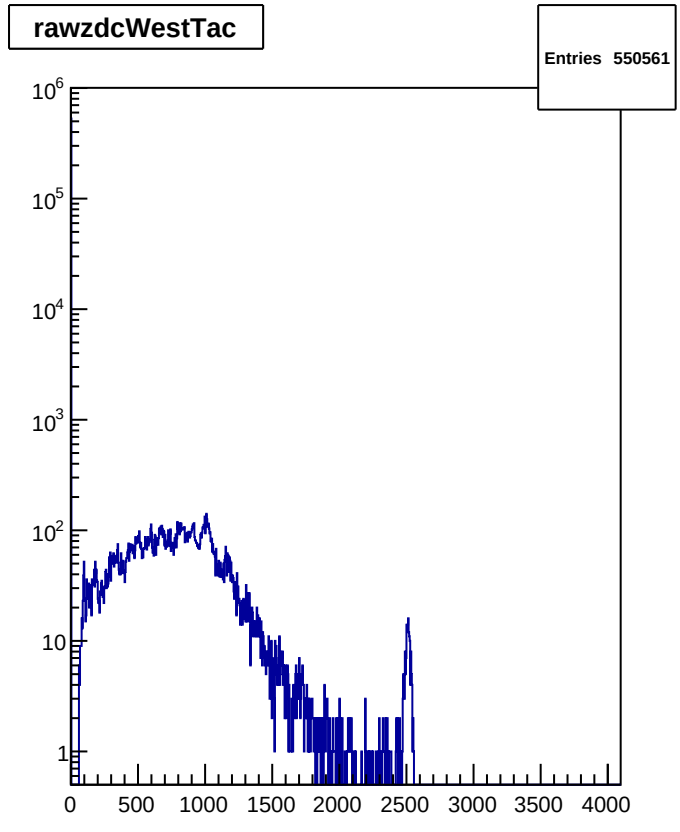

BBQ-BB002 (BBC west small tiles ADC)
Entries 8808976
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

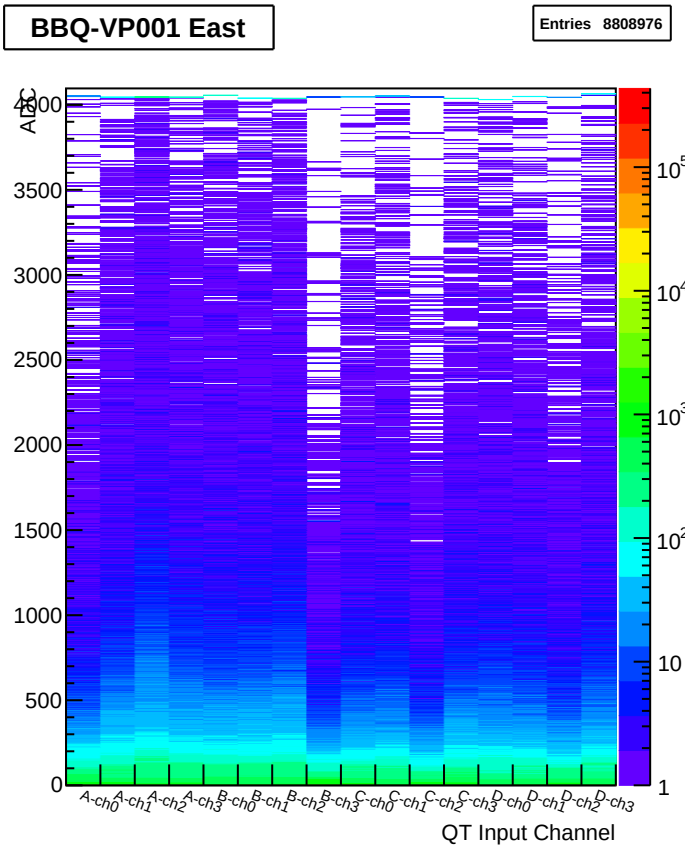

BBQ-BB002 (BBC west small tiles TAC)
Entries 8808976
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

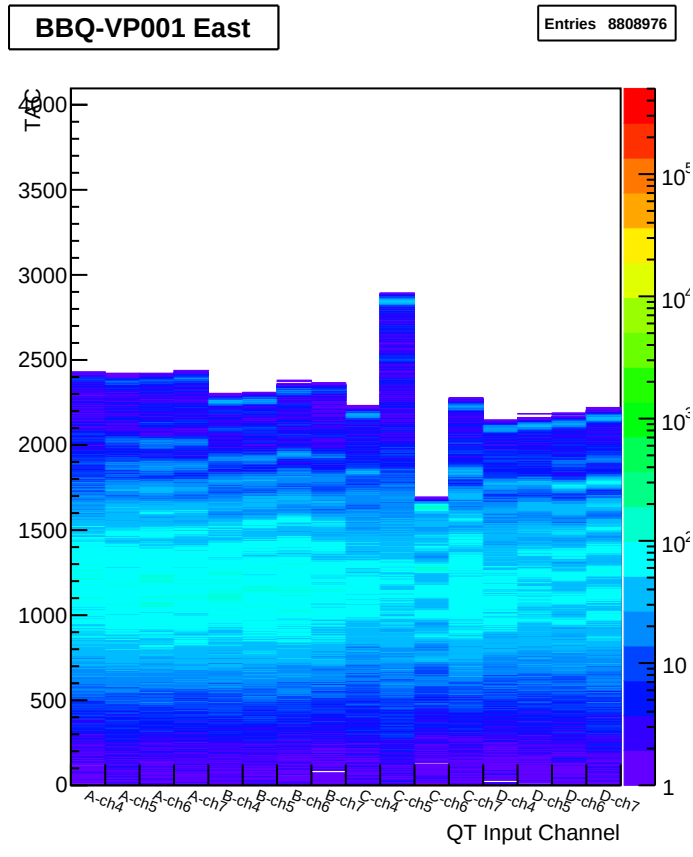

BBQ-ZD001 (ZDC TOWER)
Entries 8808976
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

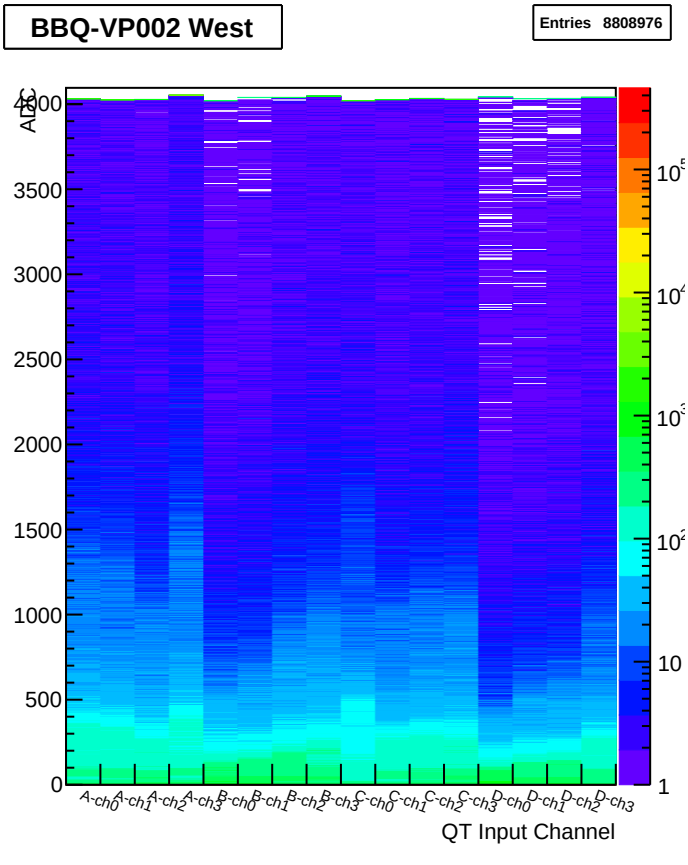

BBQ-ZD001 (ZDC TOWER)
Entries 8808976
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

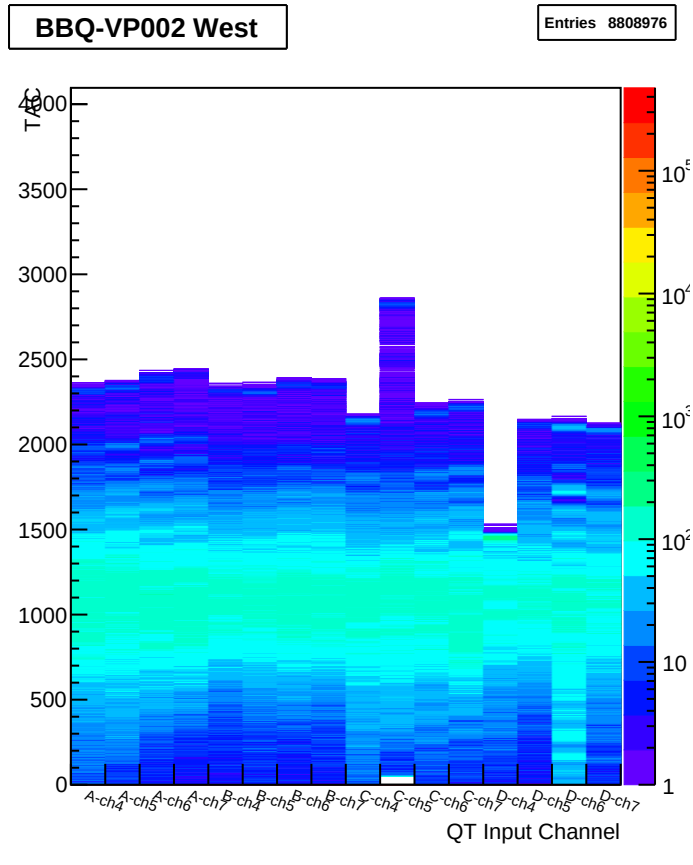

rawzdcEastTac
Entries 550561

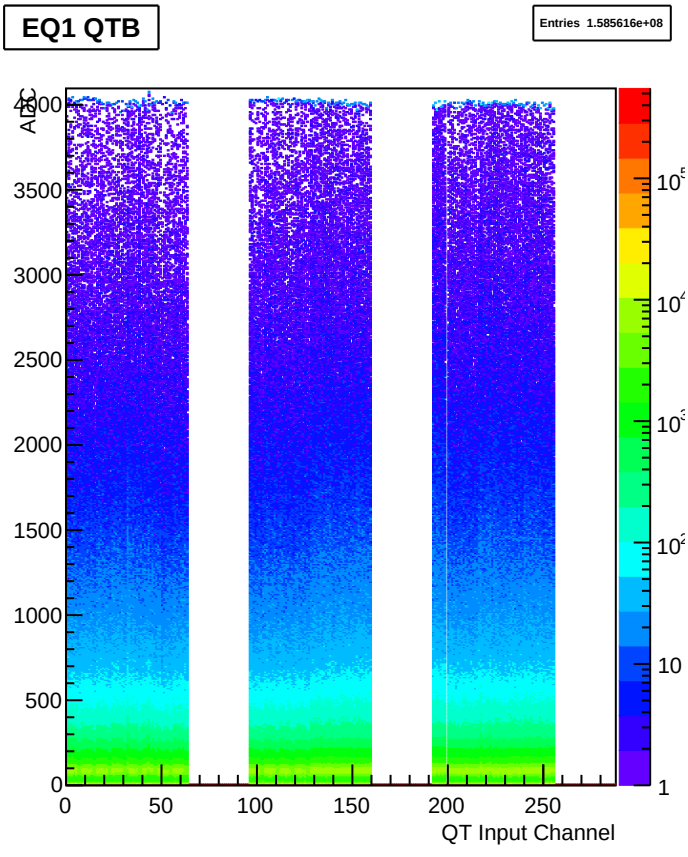

rawzdcWestTac
Entries 550561

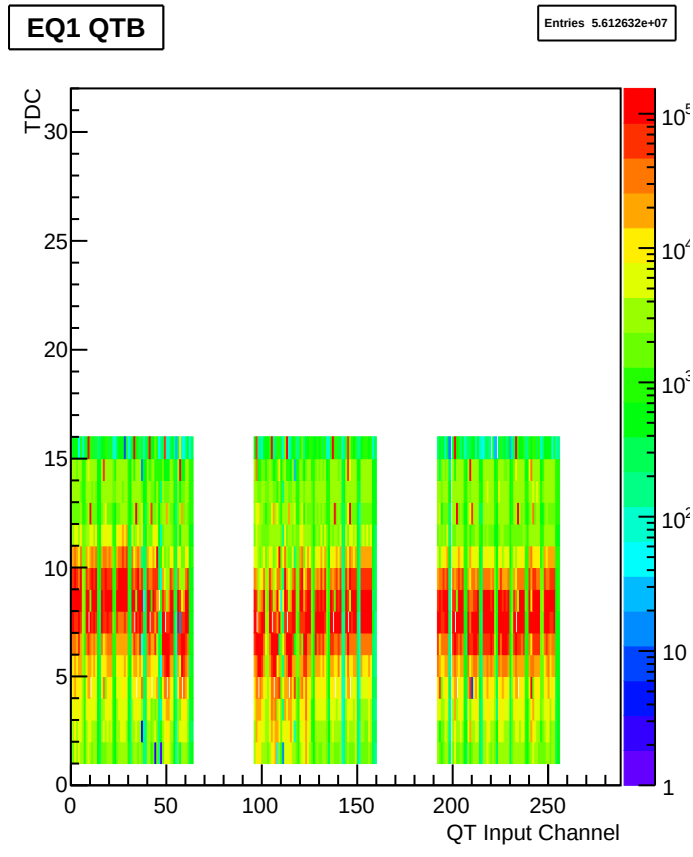

BBQ-VP001 East
Entries 8808976
ADC
QT Input Channel

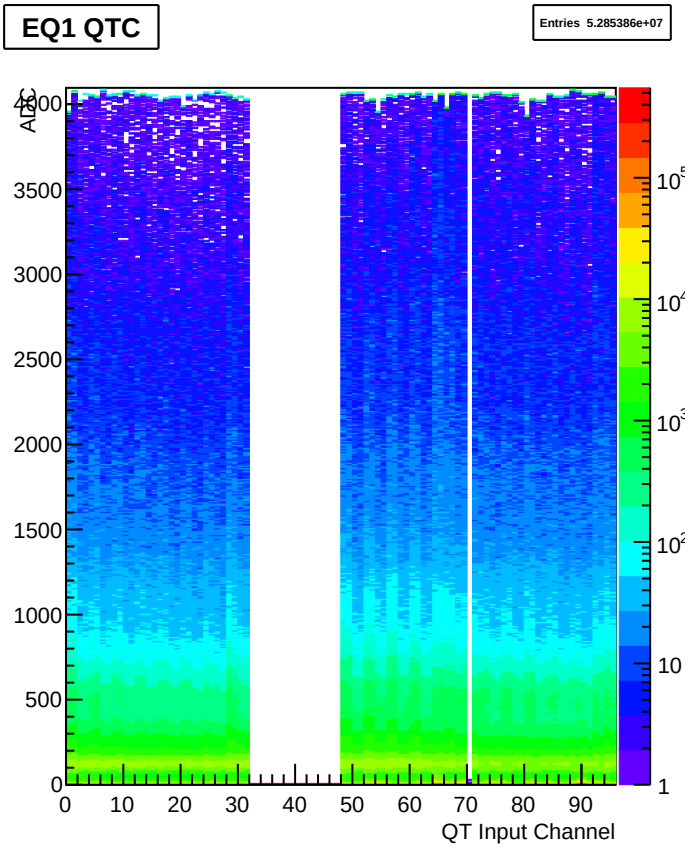

BBQ-VP001 East
Entries 8808976
TADC
QT Input Channel

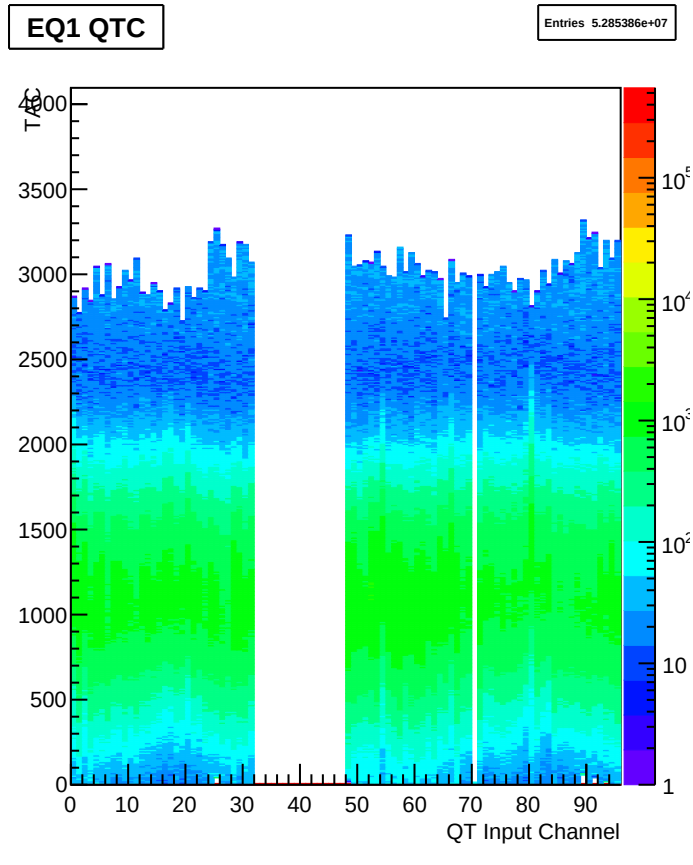

BBQ-VP002 West
Entries 8808976
ADC
QT Input Channel

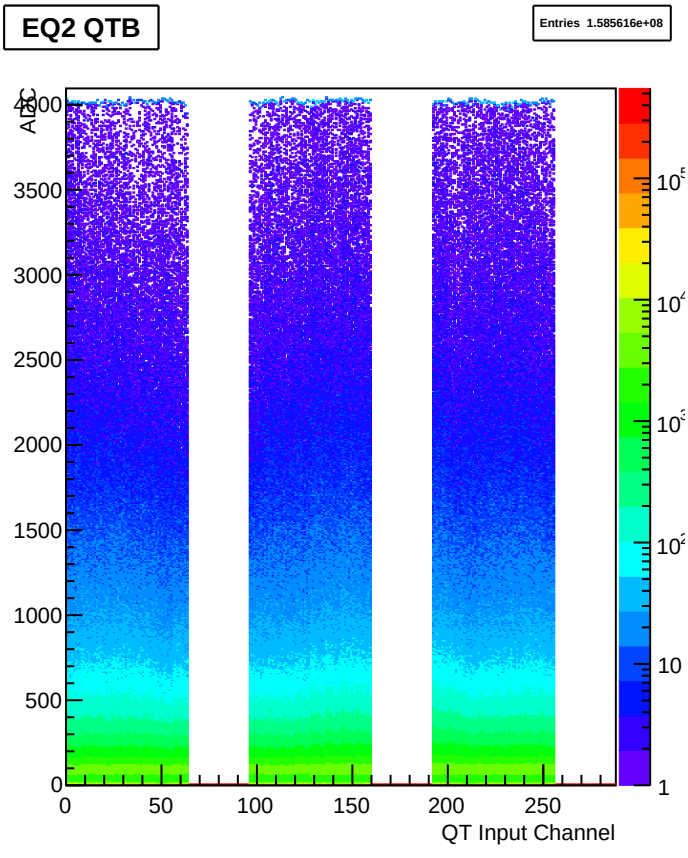

BBQ-VP002 West
Entries 8808976
TADC
QT Input Channel

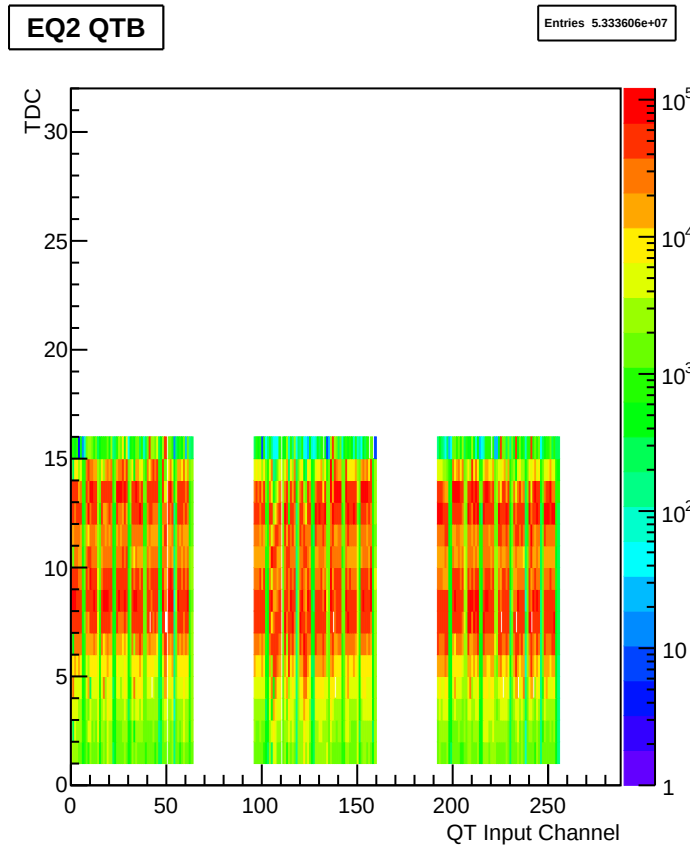

EQ1 QTB
Entries 1.585616e+08
ADC
QT Input Channel

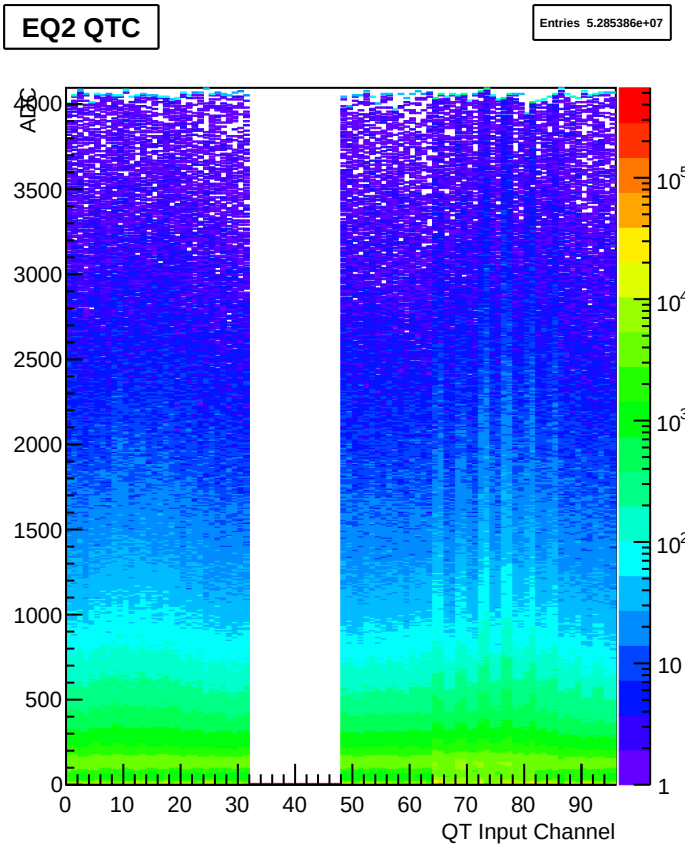

EQ1 QTB
Entries 5.612632e+07
TDC
QT Input Channel

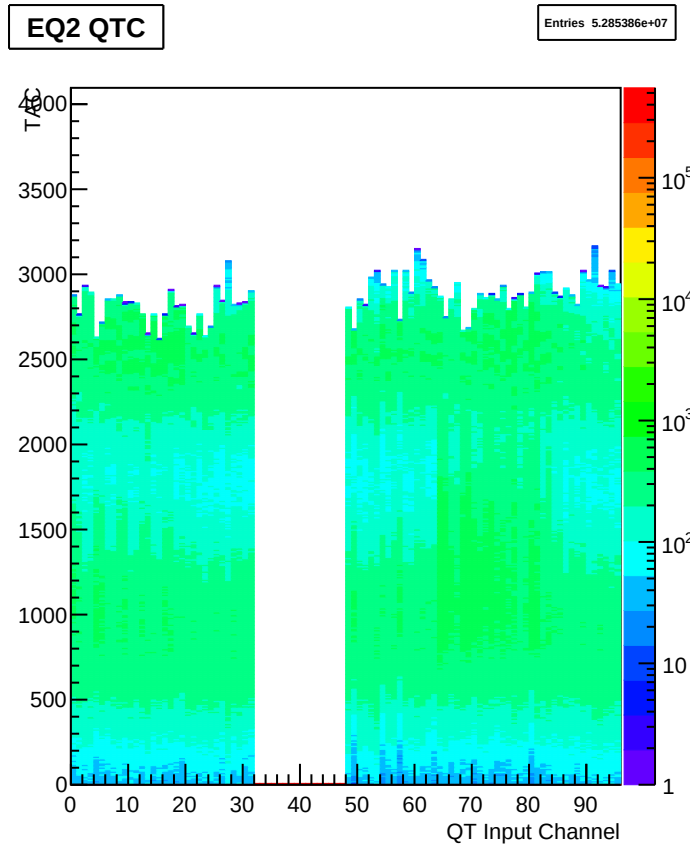

EQ1 QTC
Entries 5.285386e+07
ADC
QT Input Channel

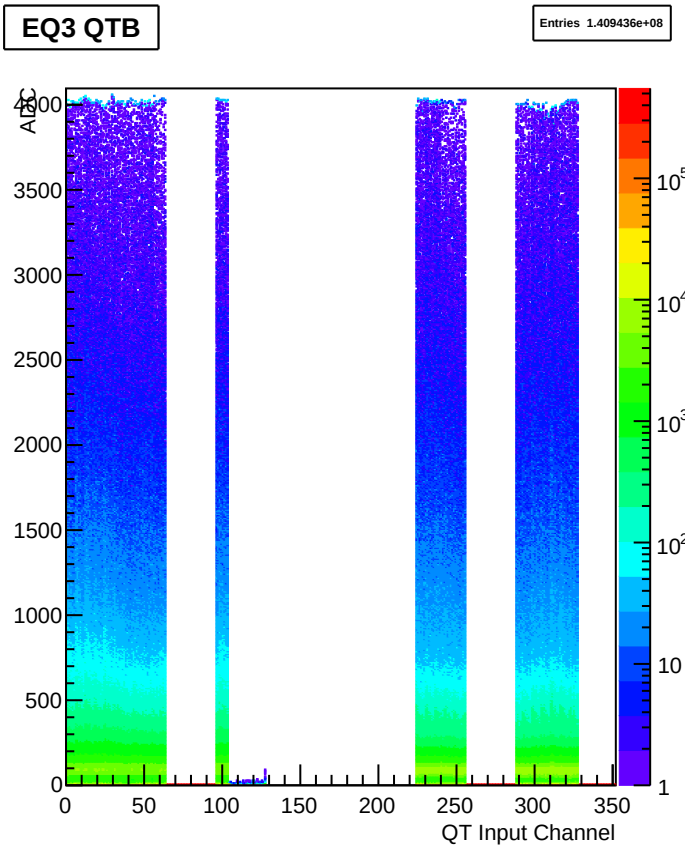

EQ1 QTC
Entries 5.285386e+07
TADC
QT Input Channel

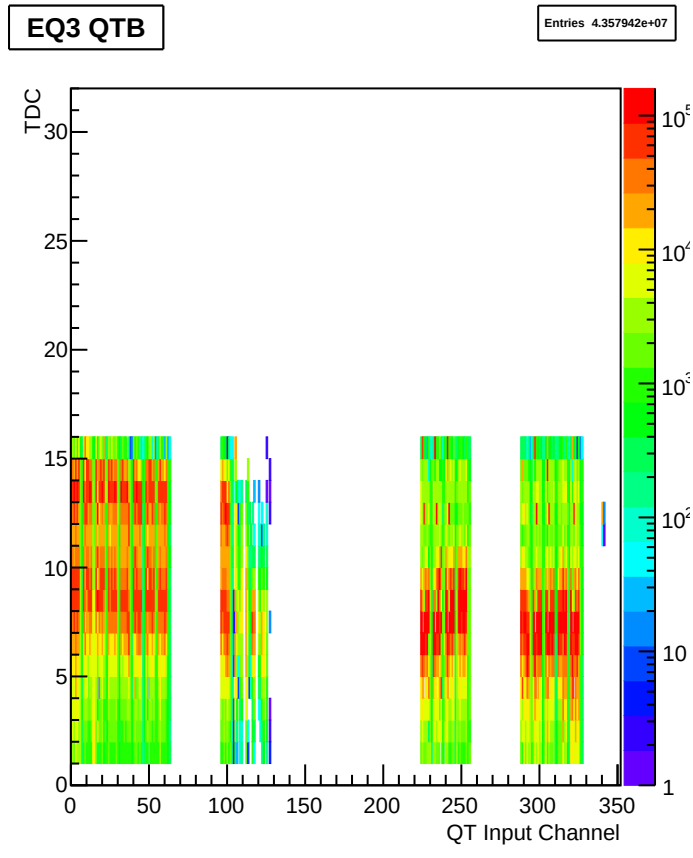

EQ2 QTB
Entries 1.585616e+08
ADC
QT Input Channel

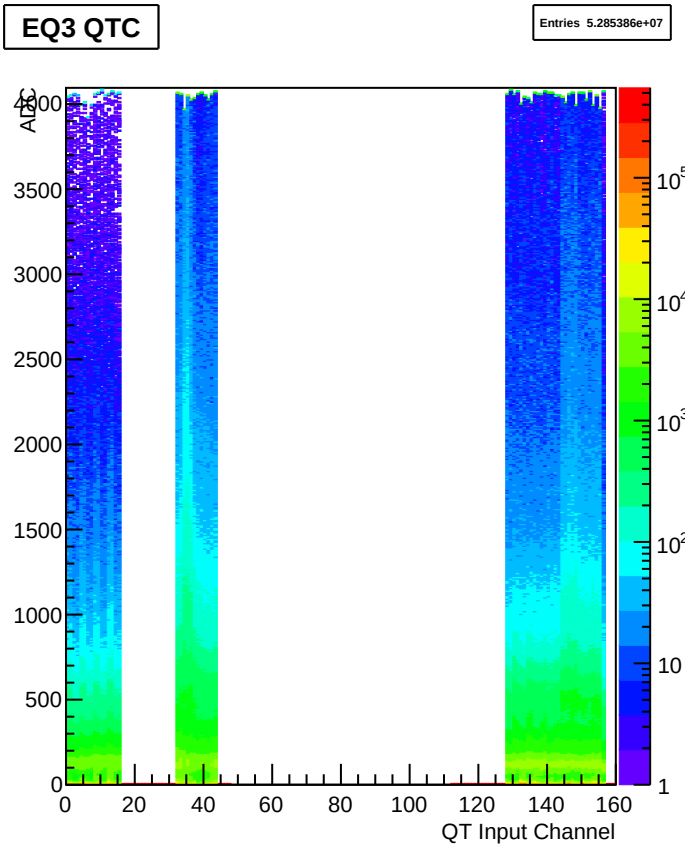

EQ2 QTB
Entries 5.333606e+07
TDC
QT Input Channel


EQ2 QTC
Entries 5.285386e+07
ADC
QT Input Channel


EQ2 QTC
Entries 5.285386e+07
TADC
QT Input Channel


EQ3 QTB
Entries 1.409436e+08
ADC
QT Input Channel


EQ3 QTB
Entries 4.357942e+07
TDC
QT Input Channel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Entries 5.285386e+07
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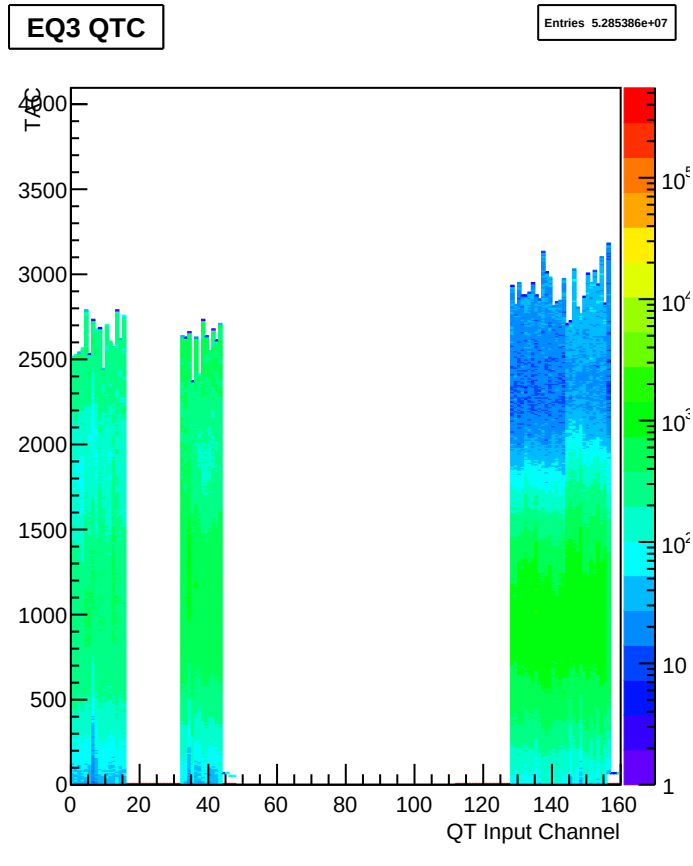
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Entries 5.285386e+07
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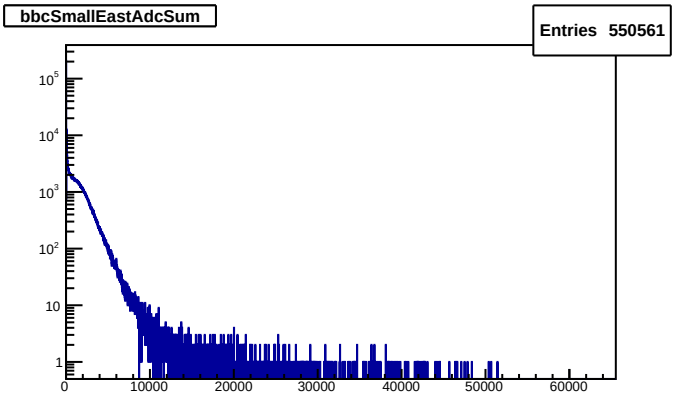
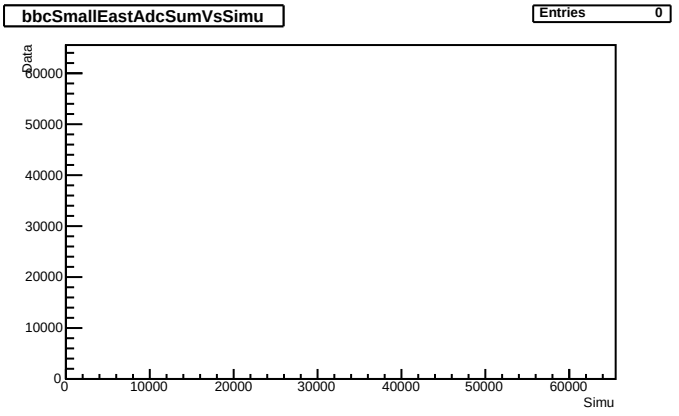
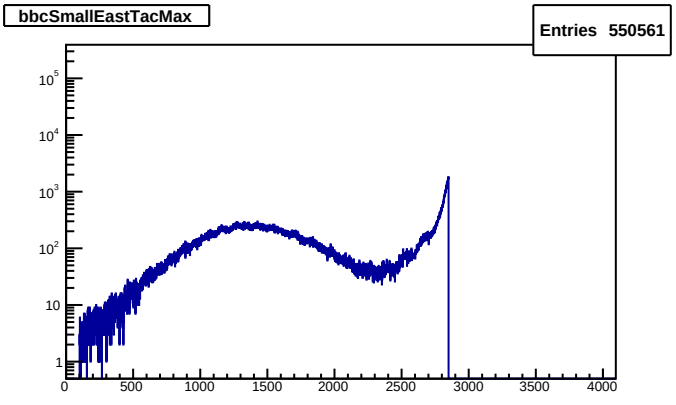
QT Input Channel


bbcSmallEastAdcSum
Entries 550561


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu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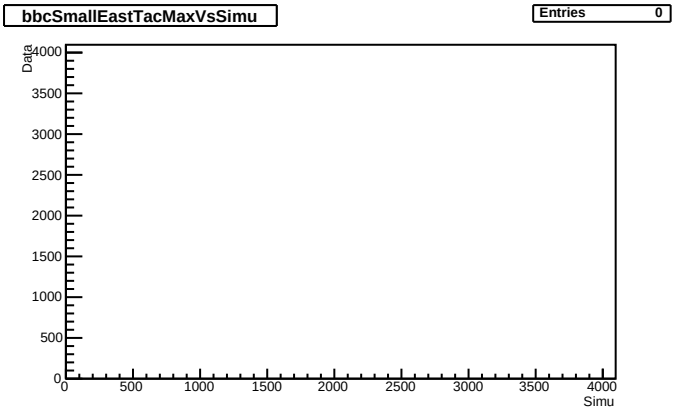
Entries 550561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Entries 0
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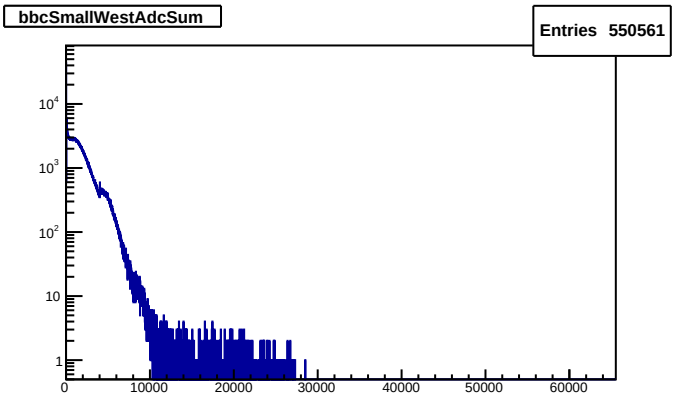
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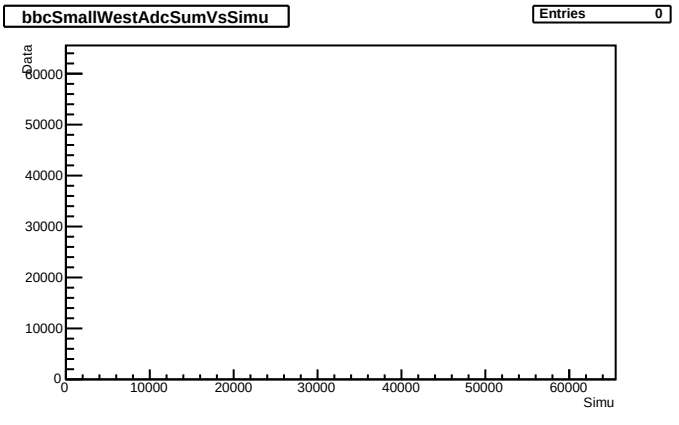
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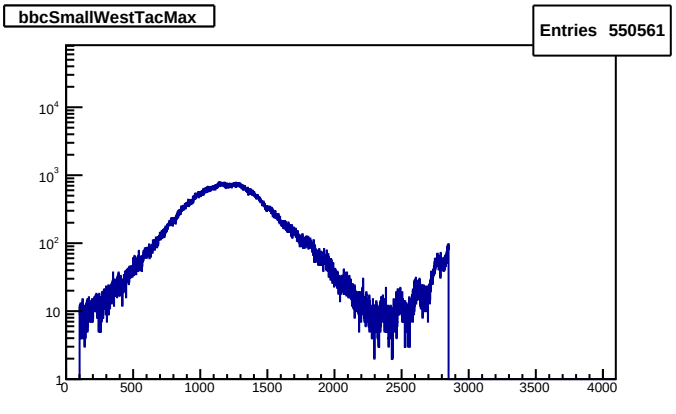
Simu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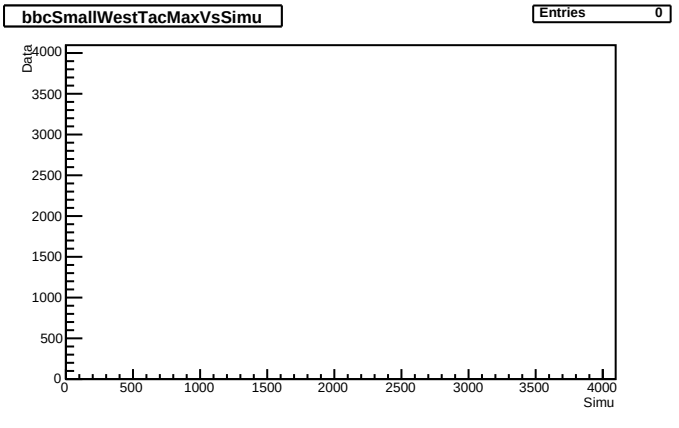
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Entries 0
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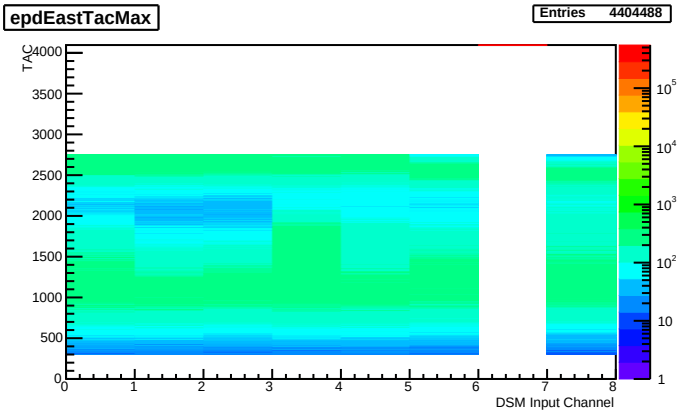
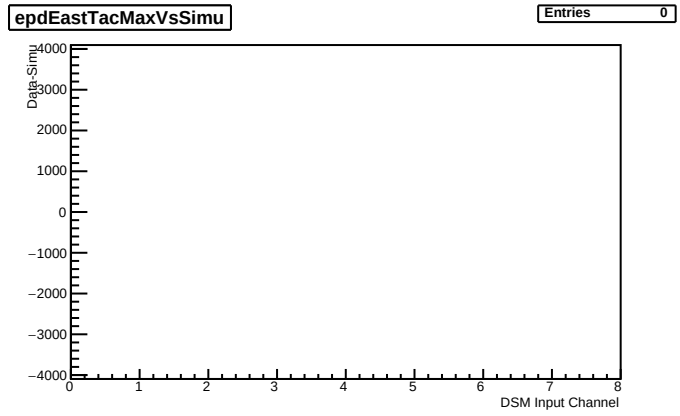
Simu


epdEastTacMax
Entries 4404488
TAC
DSM Input Channel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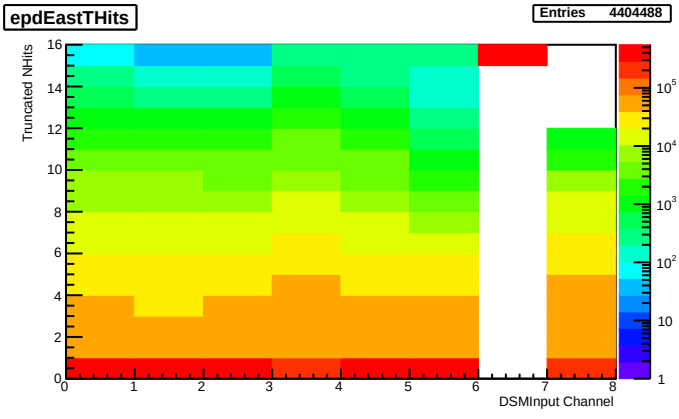
Data-Simu
DSM Input Channel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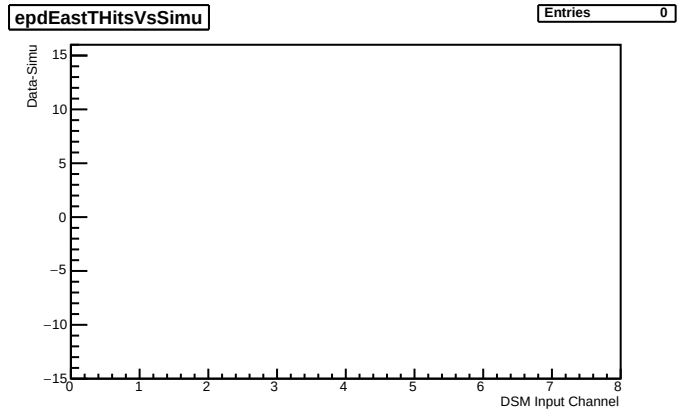
Entries 4404488
Truncated NHits
DSMInput Channel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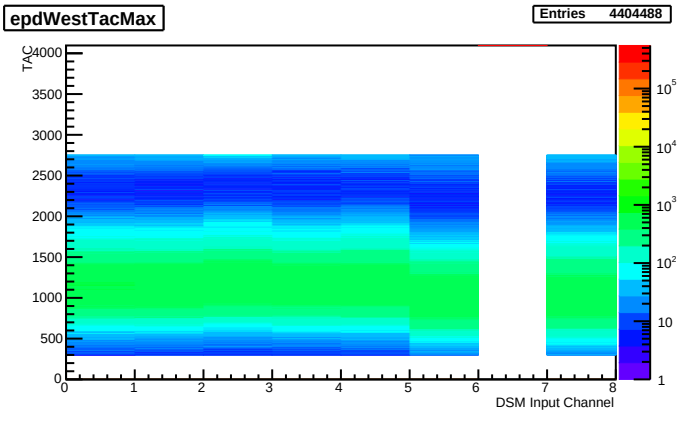
DSM Input Channel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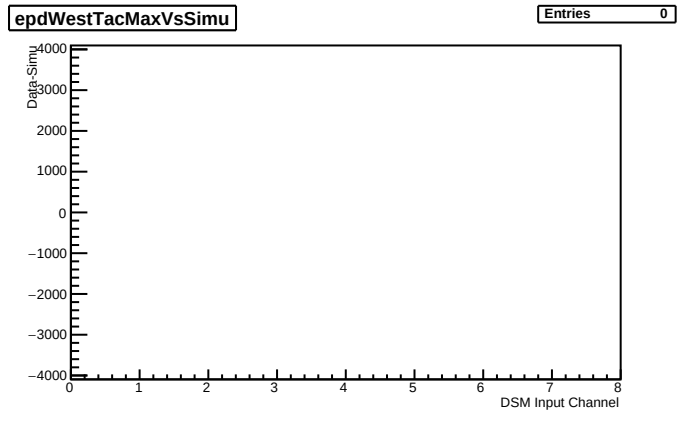
Entries 4404488
TAC
DSM Input Channel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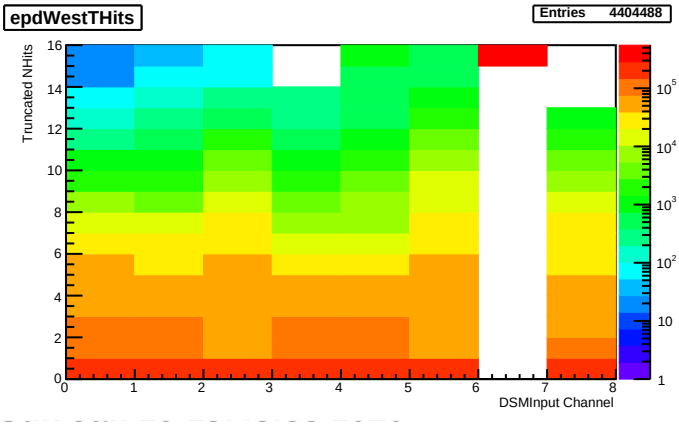
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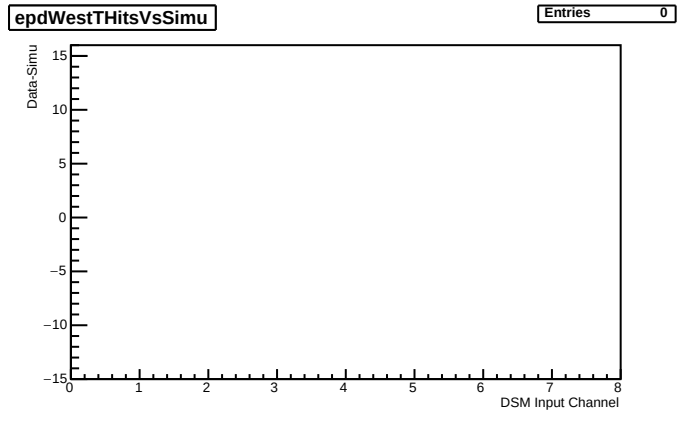
Entries 4404488
Truncated NHits
DSMInput Channel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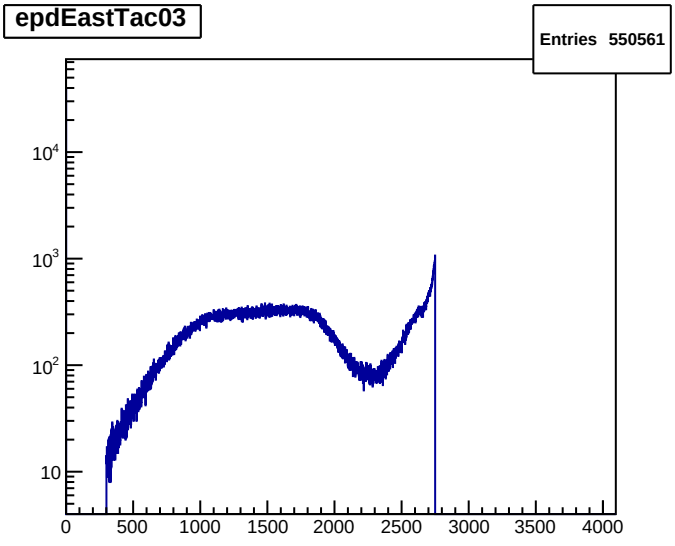
DSM Input Channel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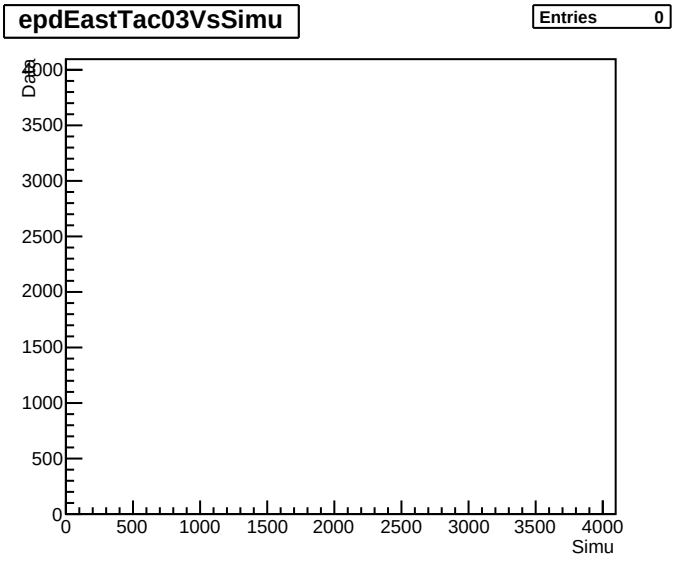
Entries 550561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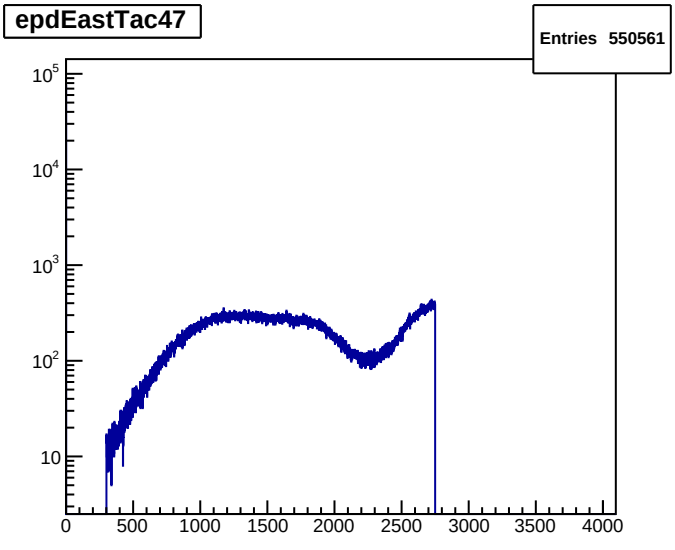
Entries 0
Data
Simu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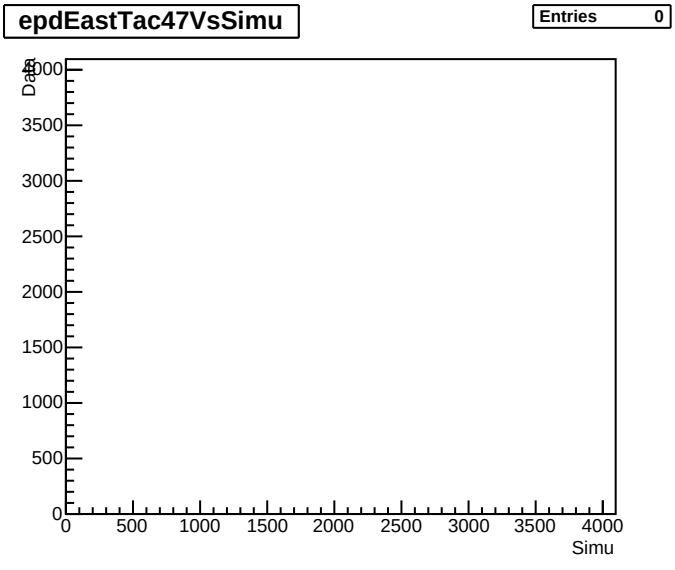
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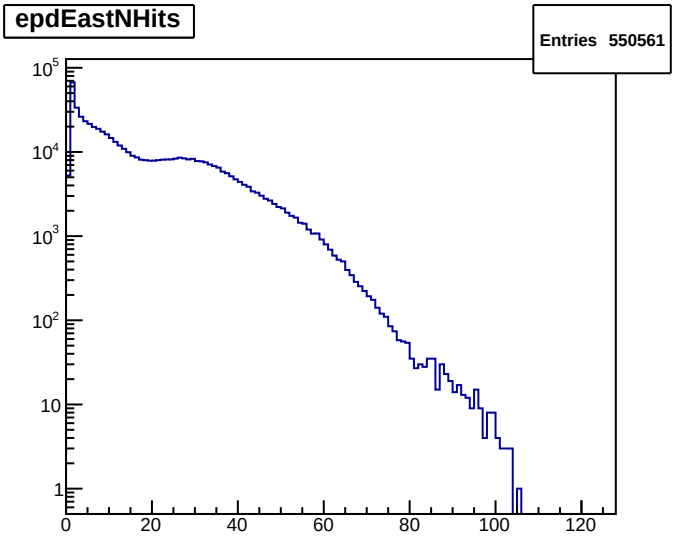
Entries 0
Data
Simu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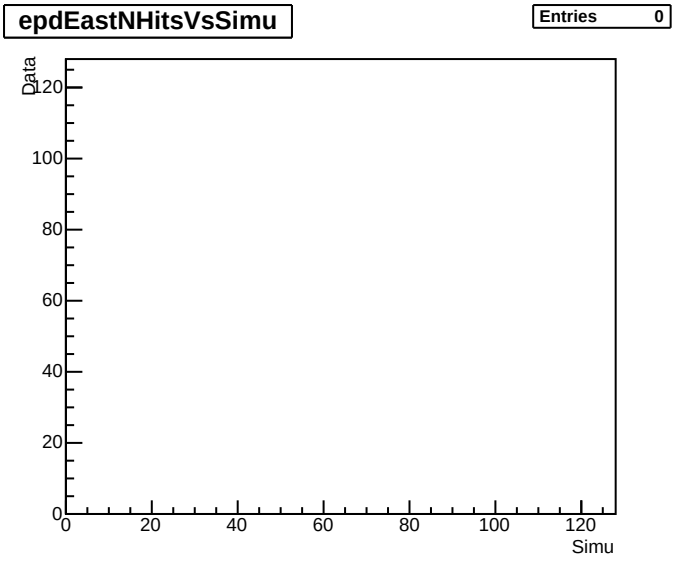
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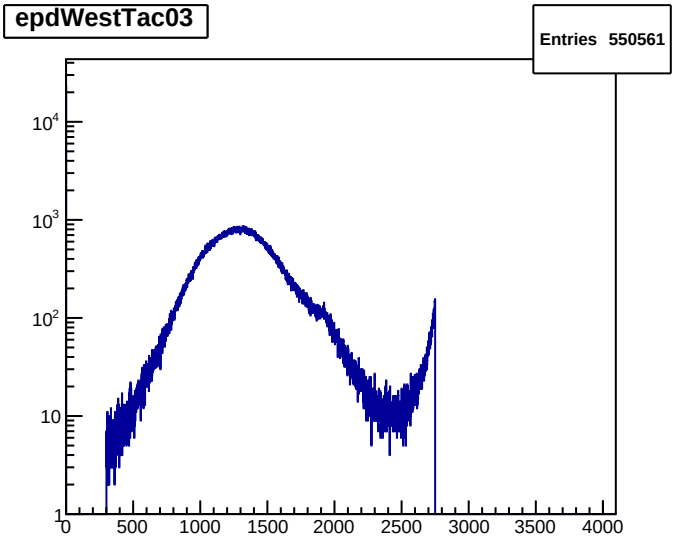
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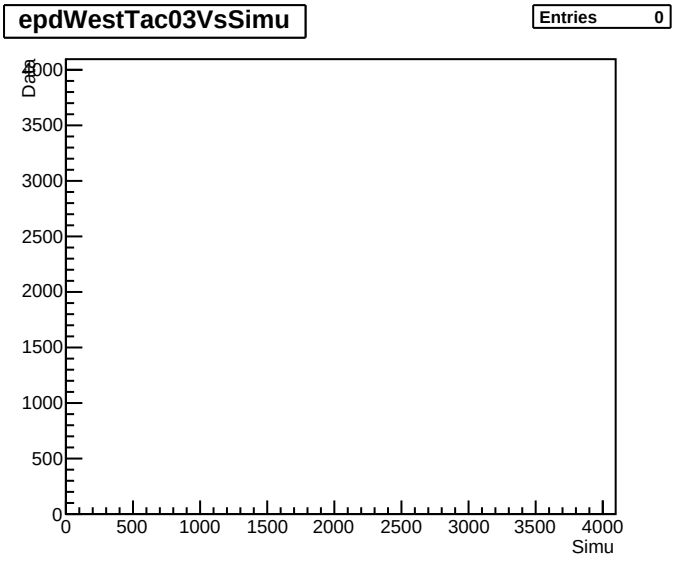
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Entries 0
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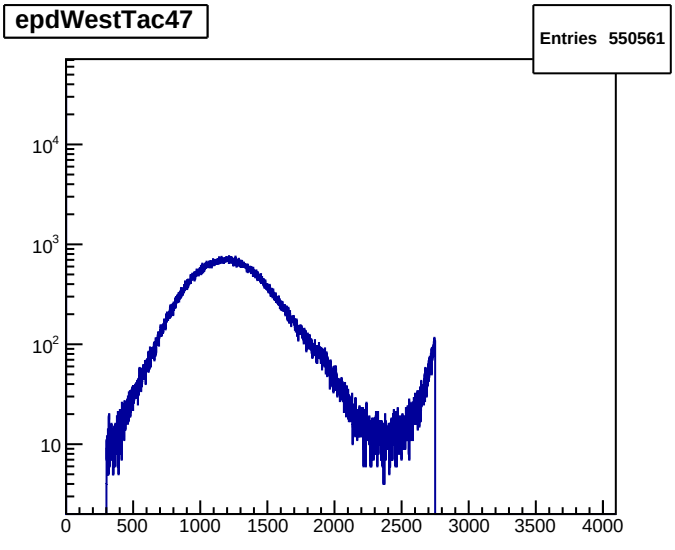
Simu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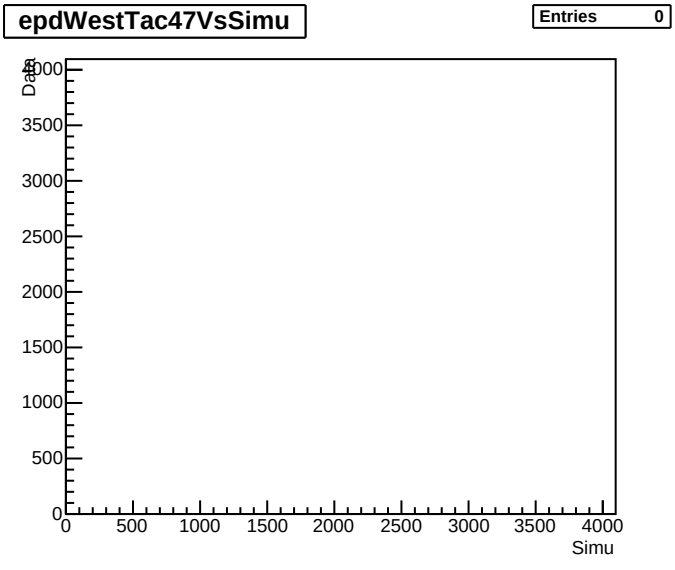
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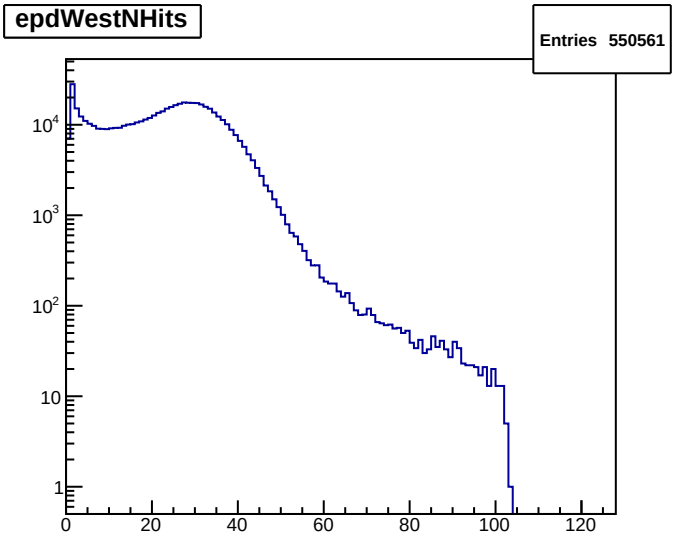
Data
Simu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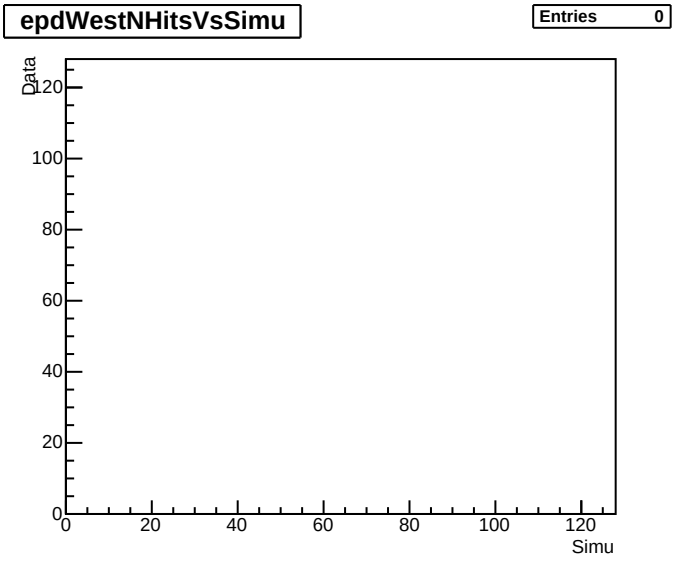
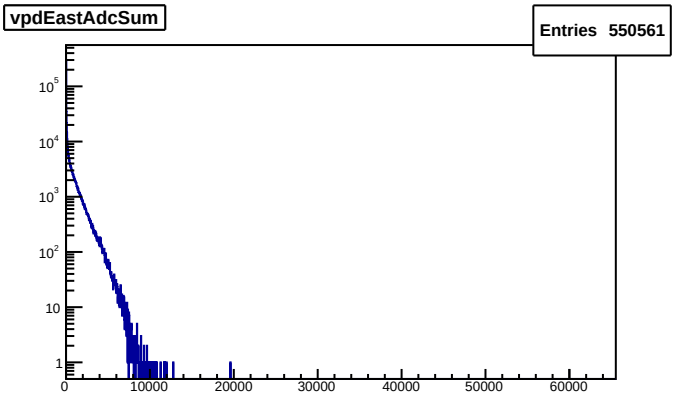
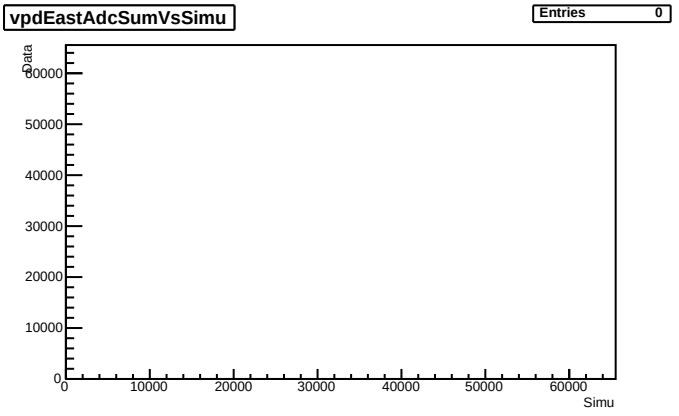
Entries 550561


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 550561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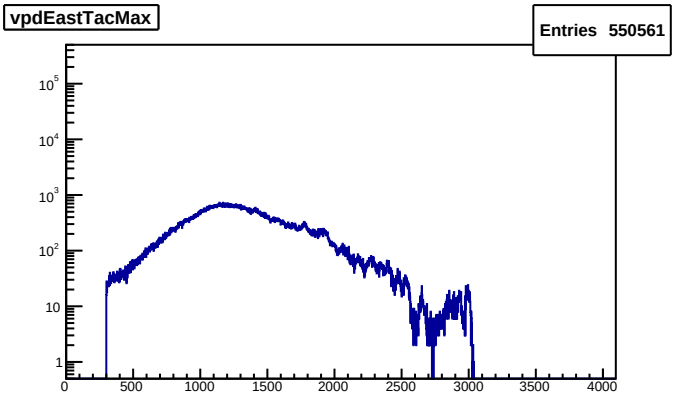
Entries 0
Data
Simu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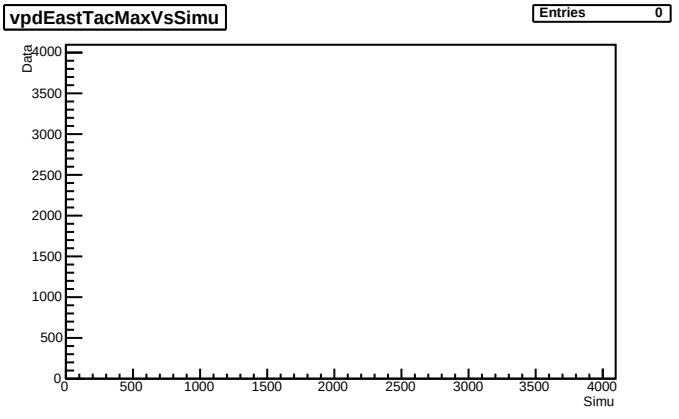
Entries 550561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Entries 0
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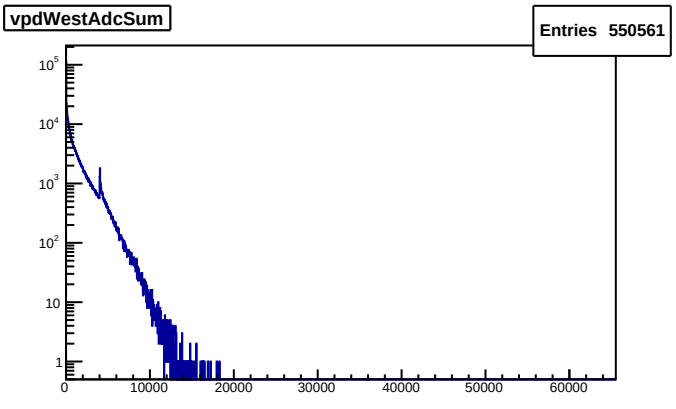
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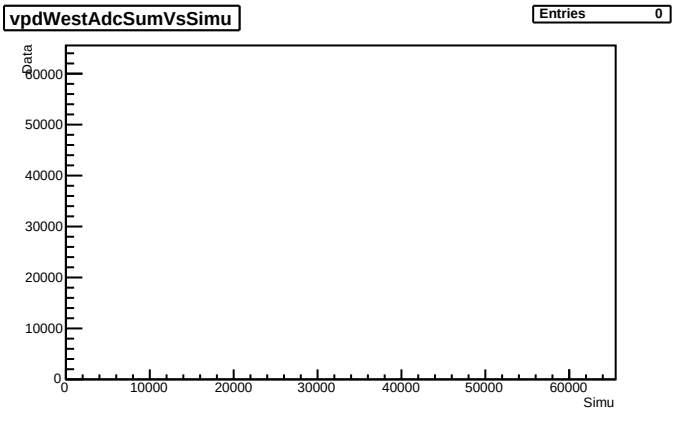
Entries 550561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Entries 0
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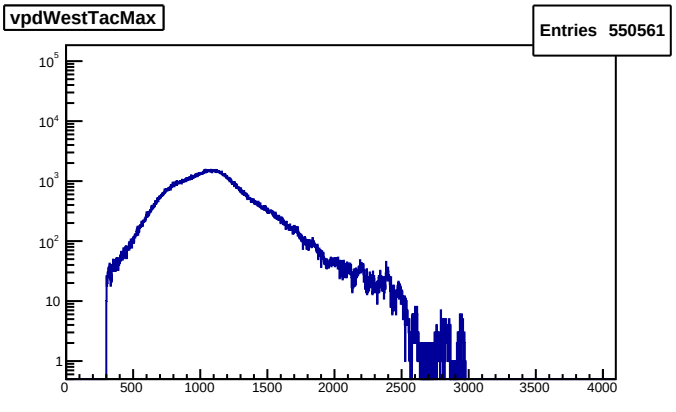
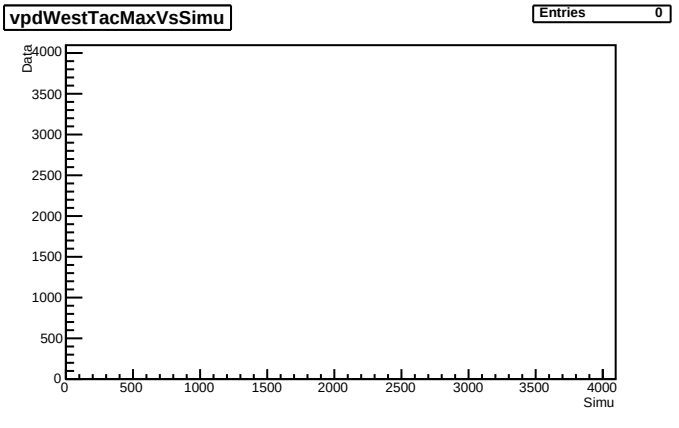
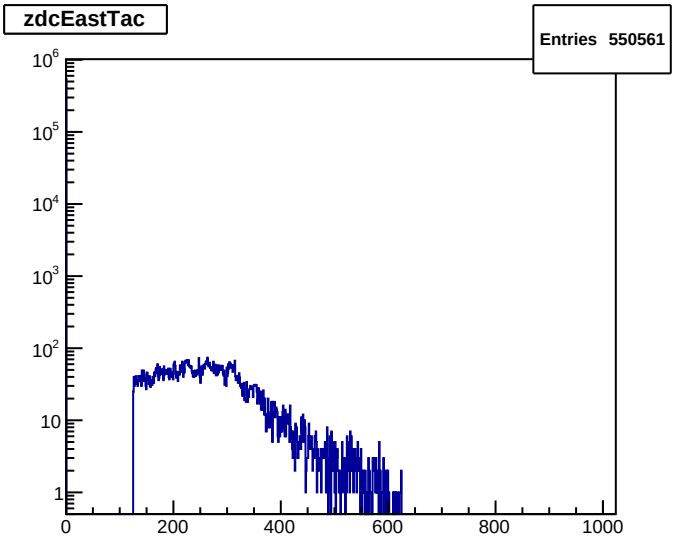
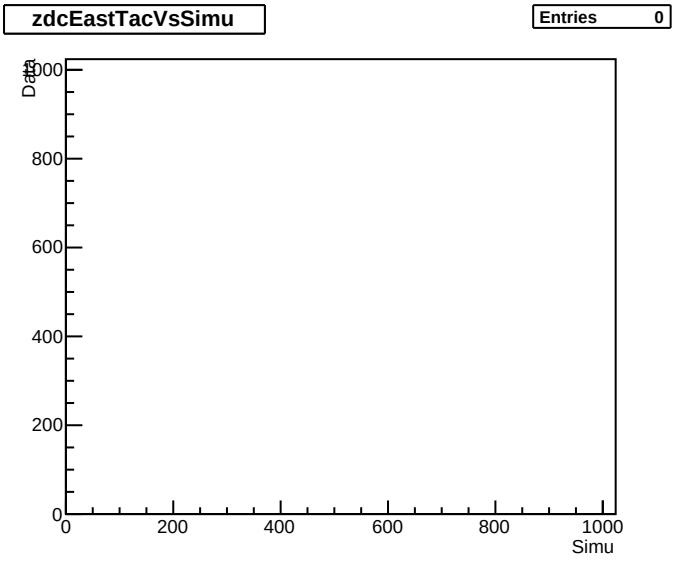
Simu


vpdWestTacMax
Entries 550561


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 550561


zdcEastTacVsSimu
Entries 0
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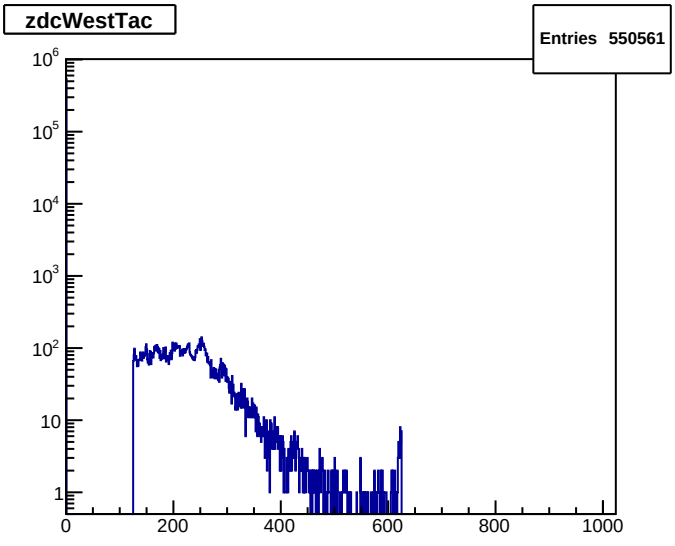
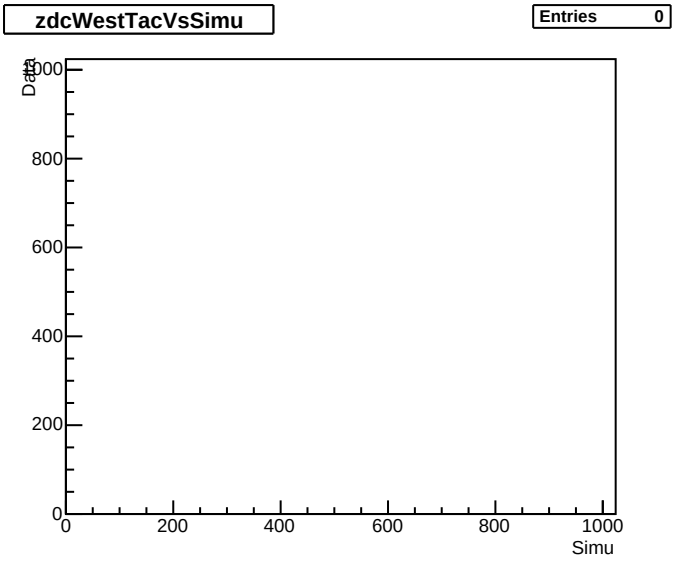
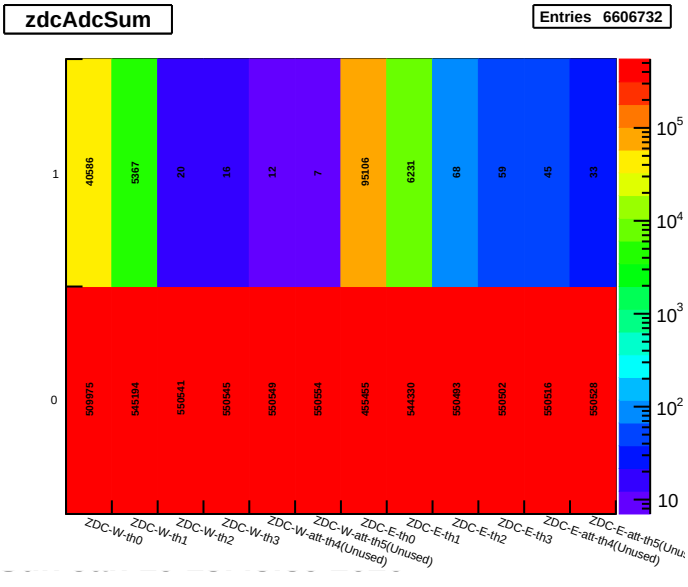

zdcWestTac
Entries 550561


zdcWestTacVsSimu
Entries 0
Data
Simu


zdcAdcSum
Entries 6606732
40586
5367
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16
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95106
6231
68
59
45
33
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545194
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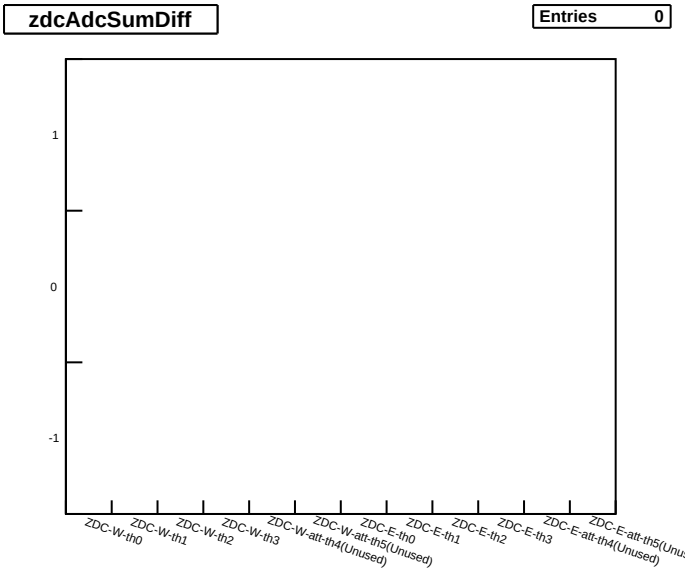
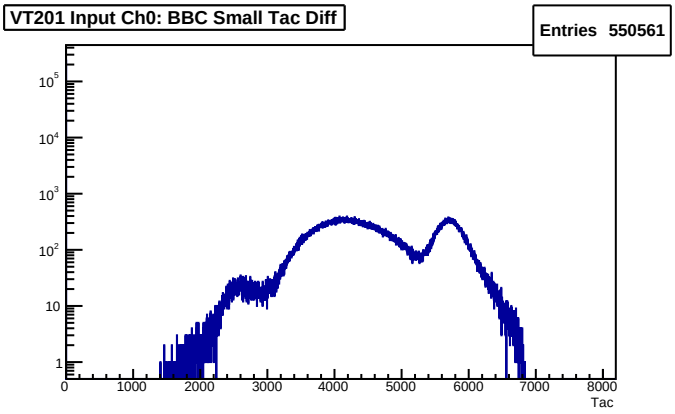
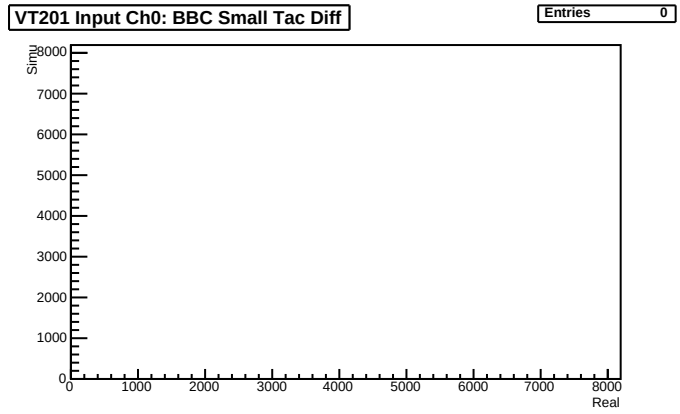
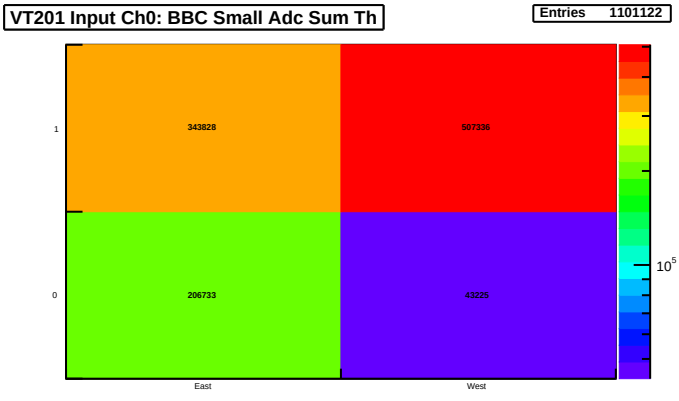
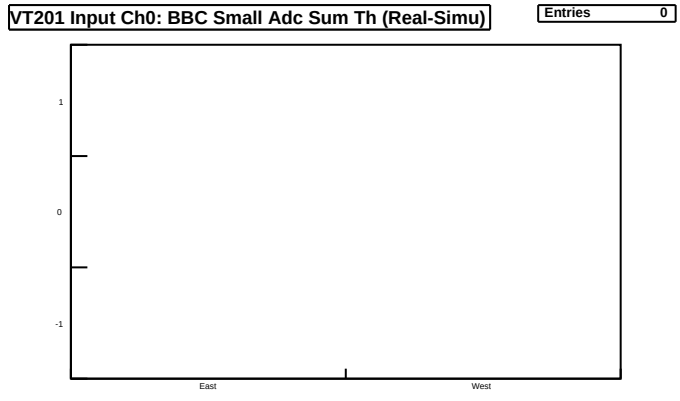
550545
550549
550554
455455
544330
550493
550502
550516
550528
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

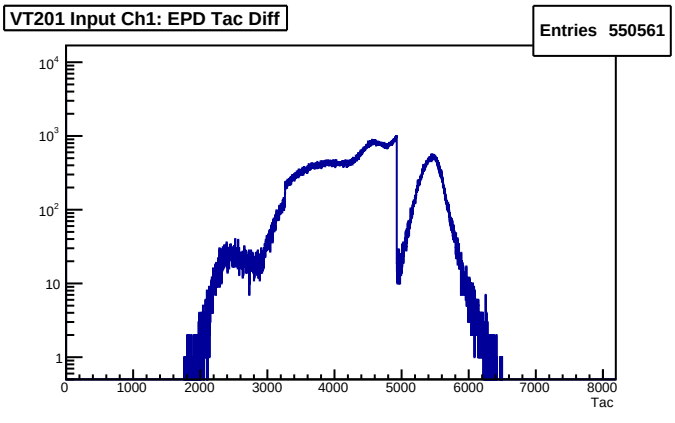

zdcAdcSumDiff
Entries 0
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)

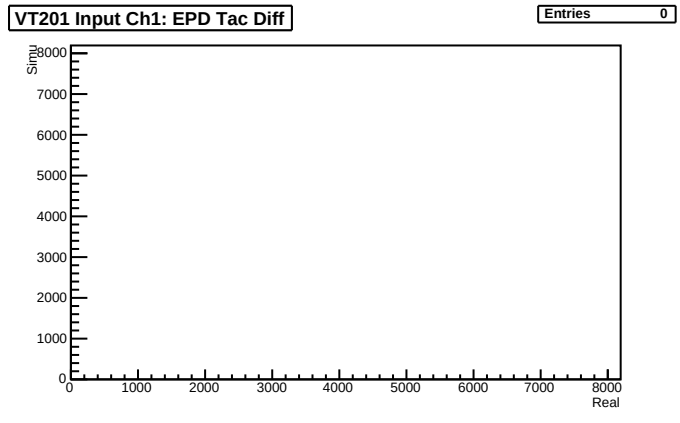

VT201 Input Ch0: BBC Small Tac Diff
Entries 550561
Tac

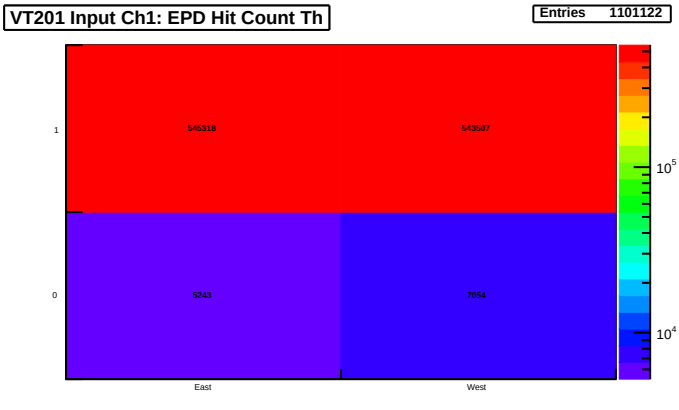

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

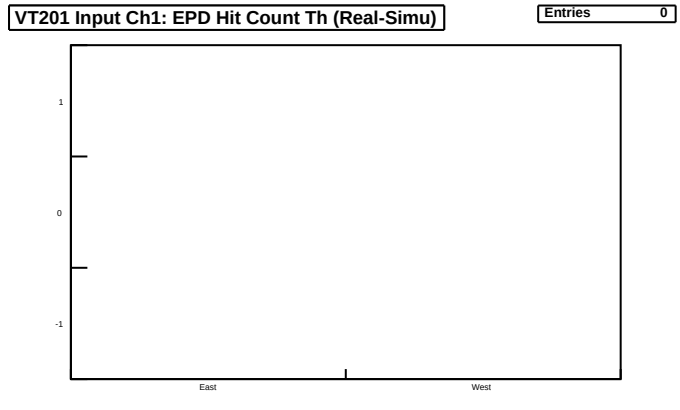

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 1101122
343828
507336
206733
43225
East
West

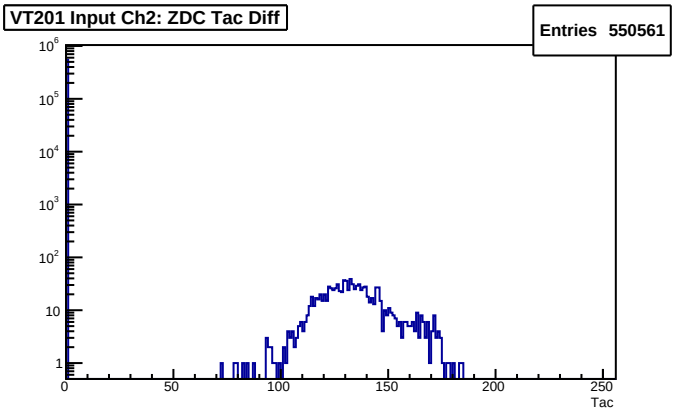

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

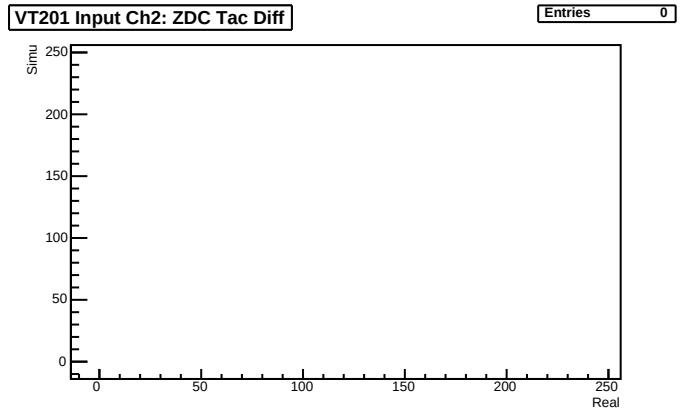

VT201 Input Ch1: EPD Tac Diff
Entries 550561
Tac

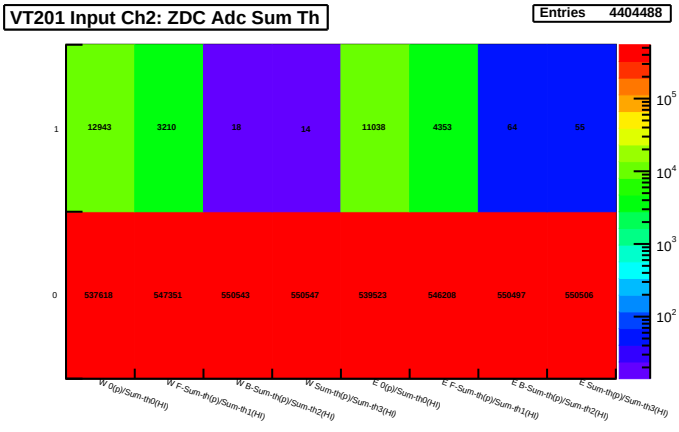

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

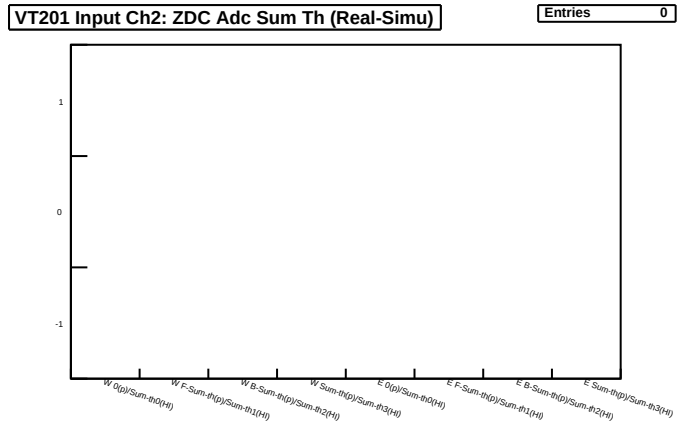

VT201 Input Ch1: EPD Hit Count Th
Entries 1101122
545318
543507
5243
7054
East
West

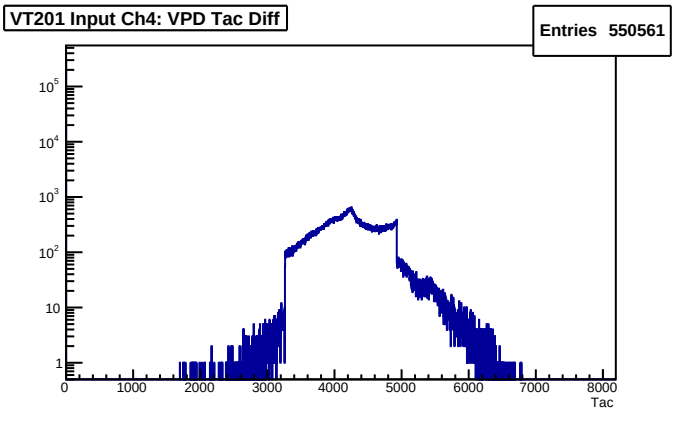

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

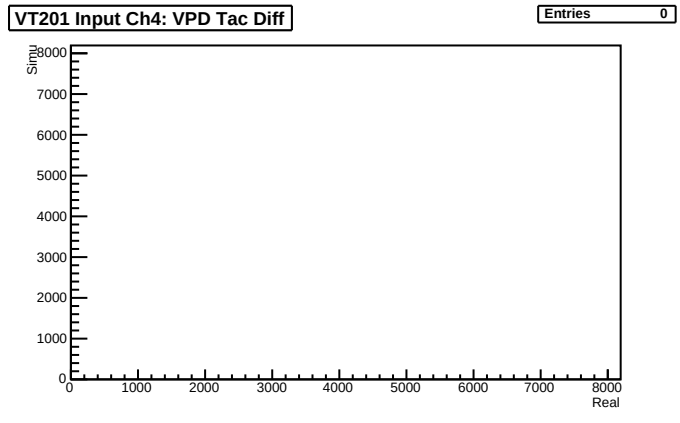

VT201 Input Ch2: ZDC Tac Diff
Entries 550561
Tac

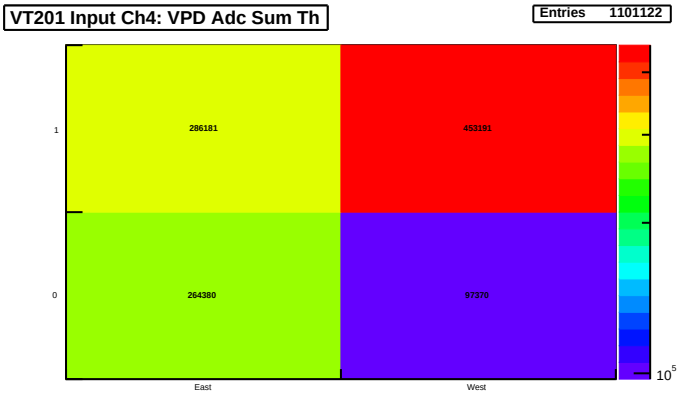

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

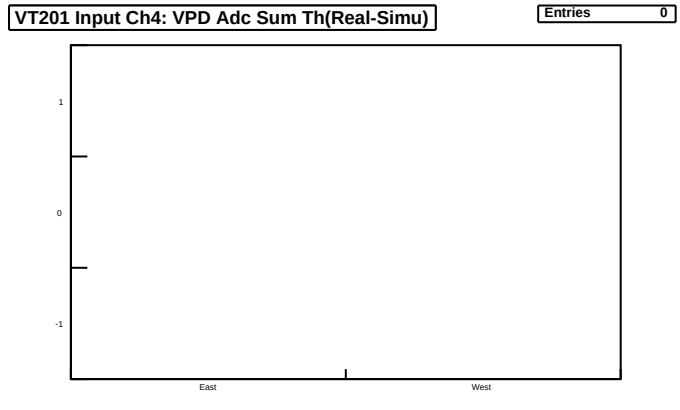

VT201 Input Ch2: ZDC Adc Sum Th
Entries 4404488
12943
3210
18
14
11038
4353
64
55
537618
547351
550543
550547
539523
546208
550497
550506
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

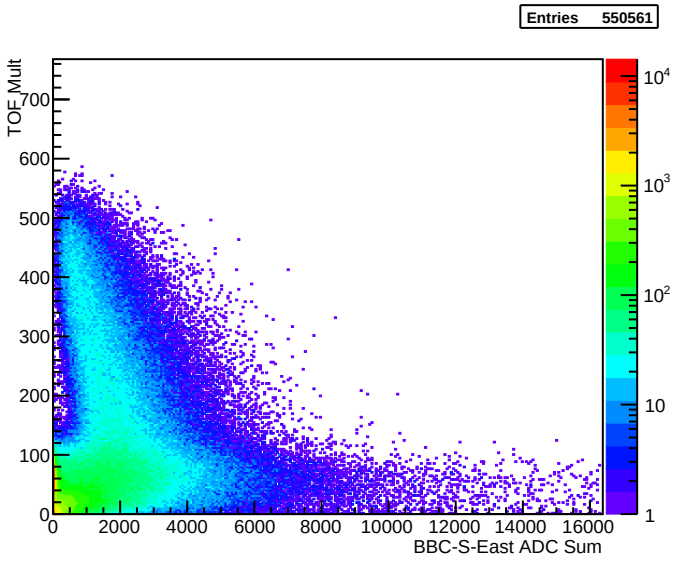

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

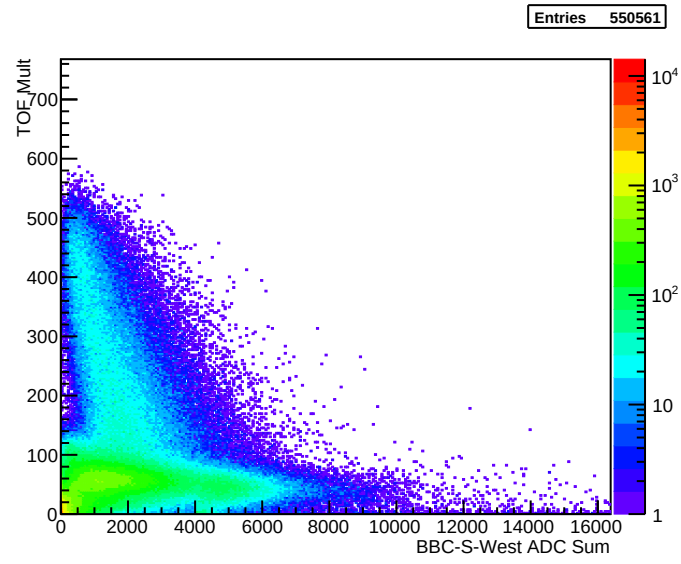

VT201 Input Ch4: VPD Tac Diff
Entries 550561
Tac

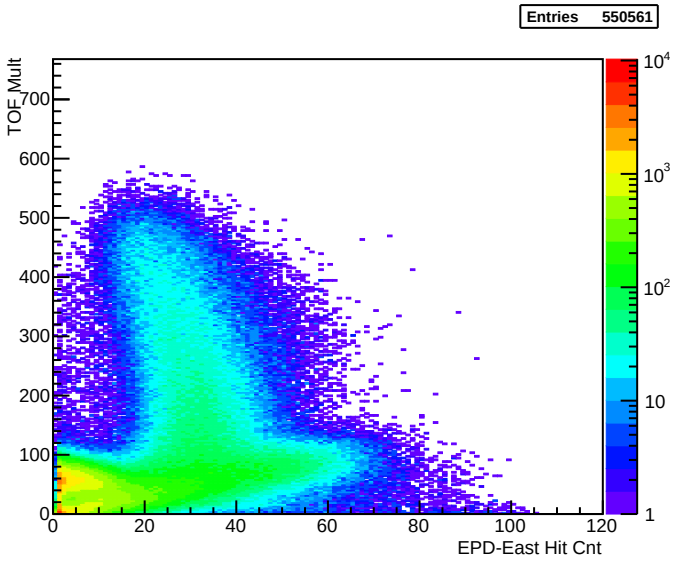

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

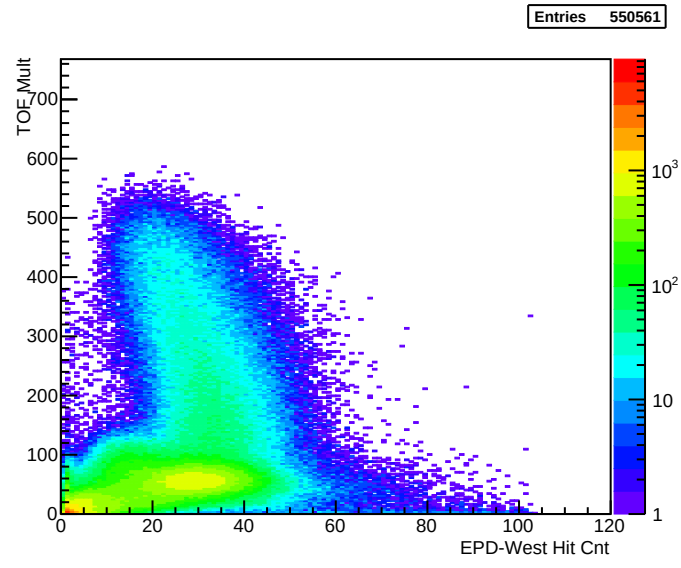

VT201 Input Ch4: VPD Adc Sum Th
Entries 1101122
286181
453191
264380
97370
East
West

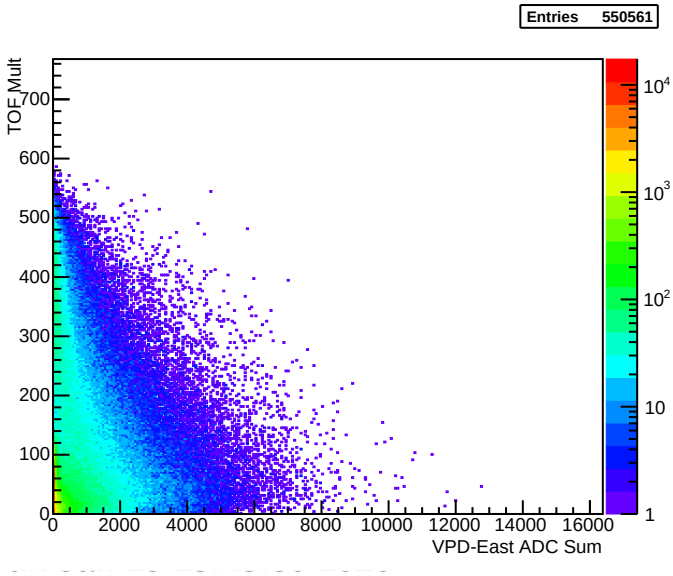

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

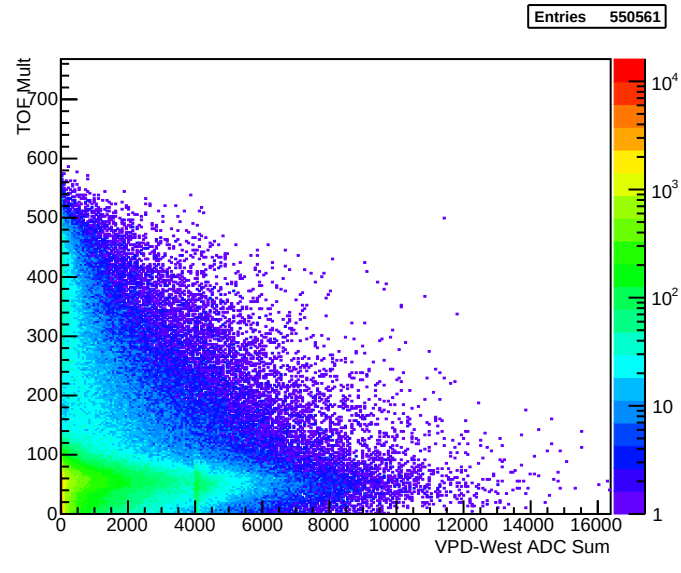

Entries 550561
TOF_Mult
BBC-S-East ADC Sum

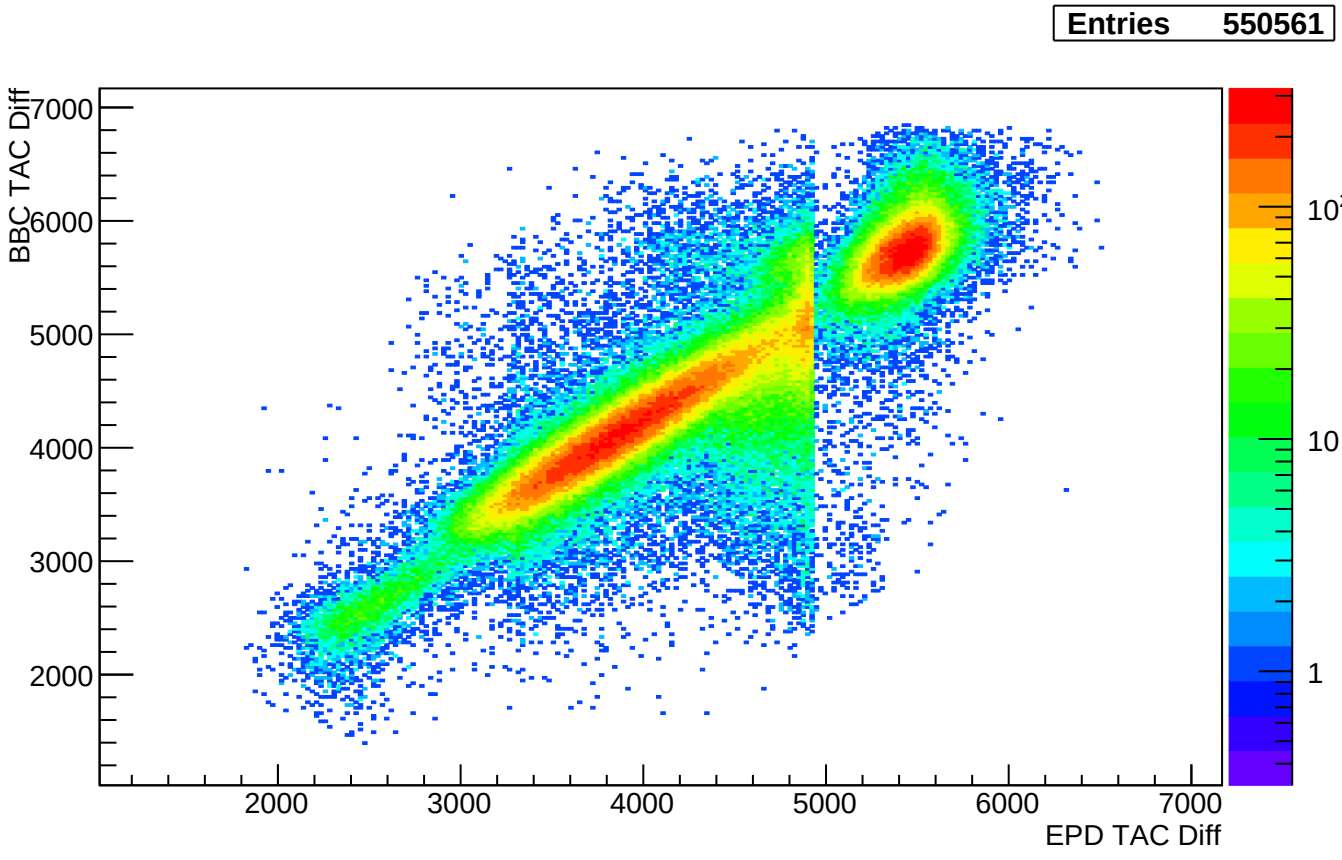

Entries 550561
TOF_Mult
BBC-S-West ADC Sum

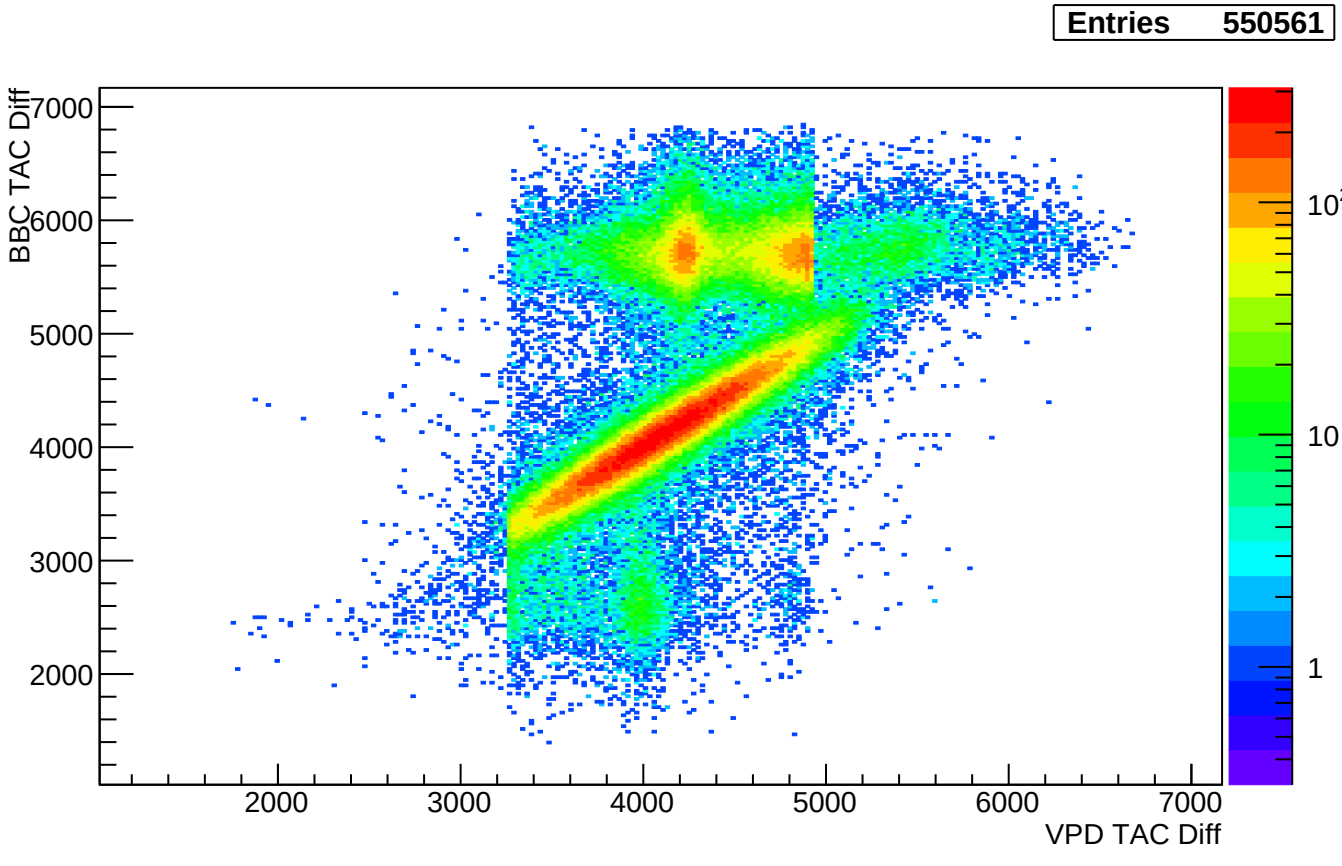

Entries 550561
TOF_Mult
EPD-East Hit Cnt

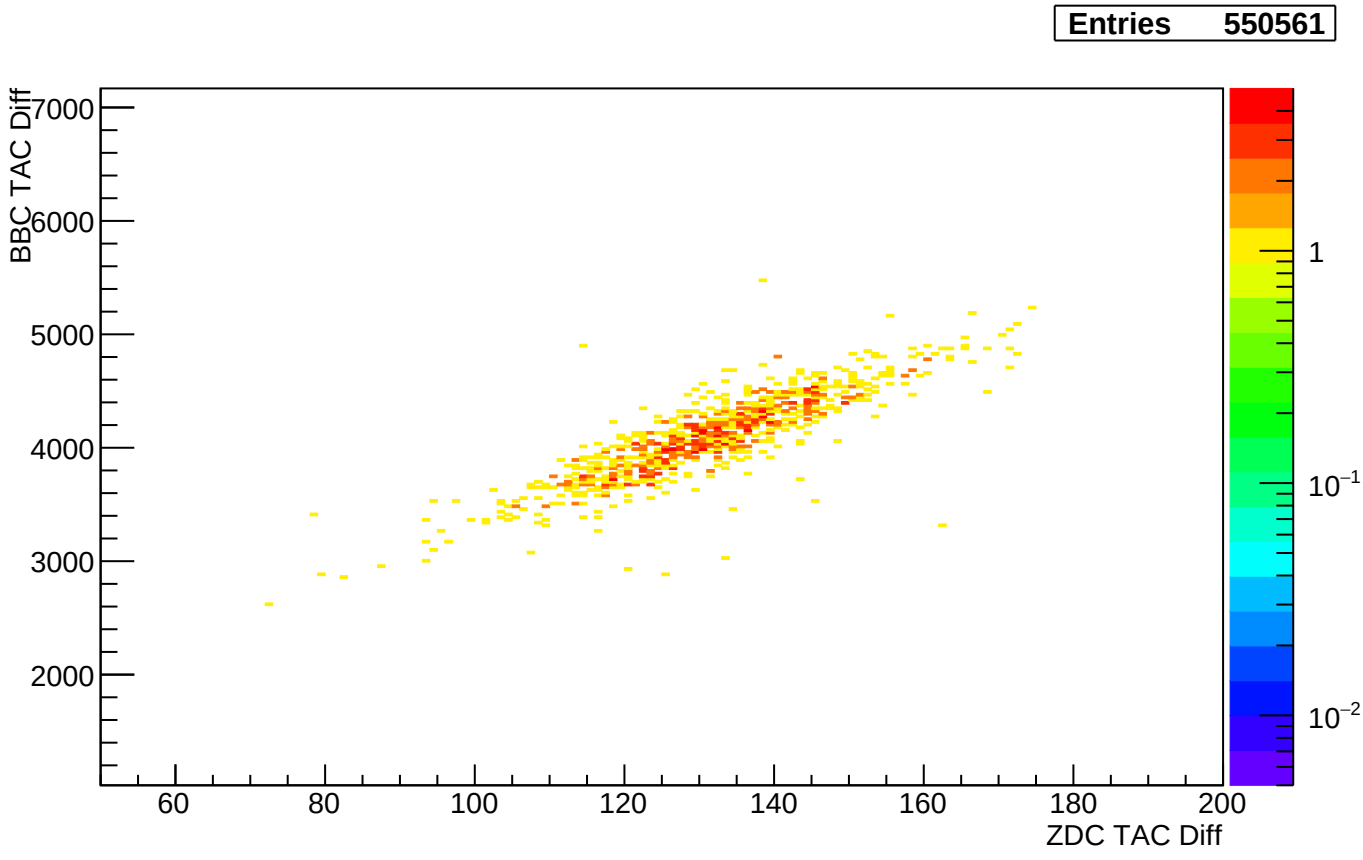

Entries 550561
TOF_Mult
EPD-West Hit Cnt

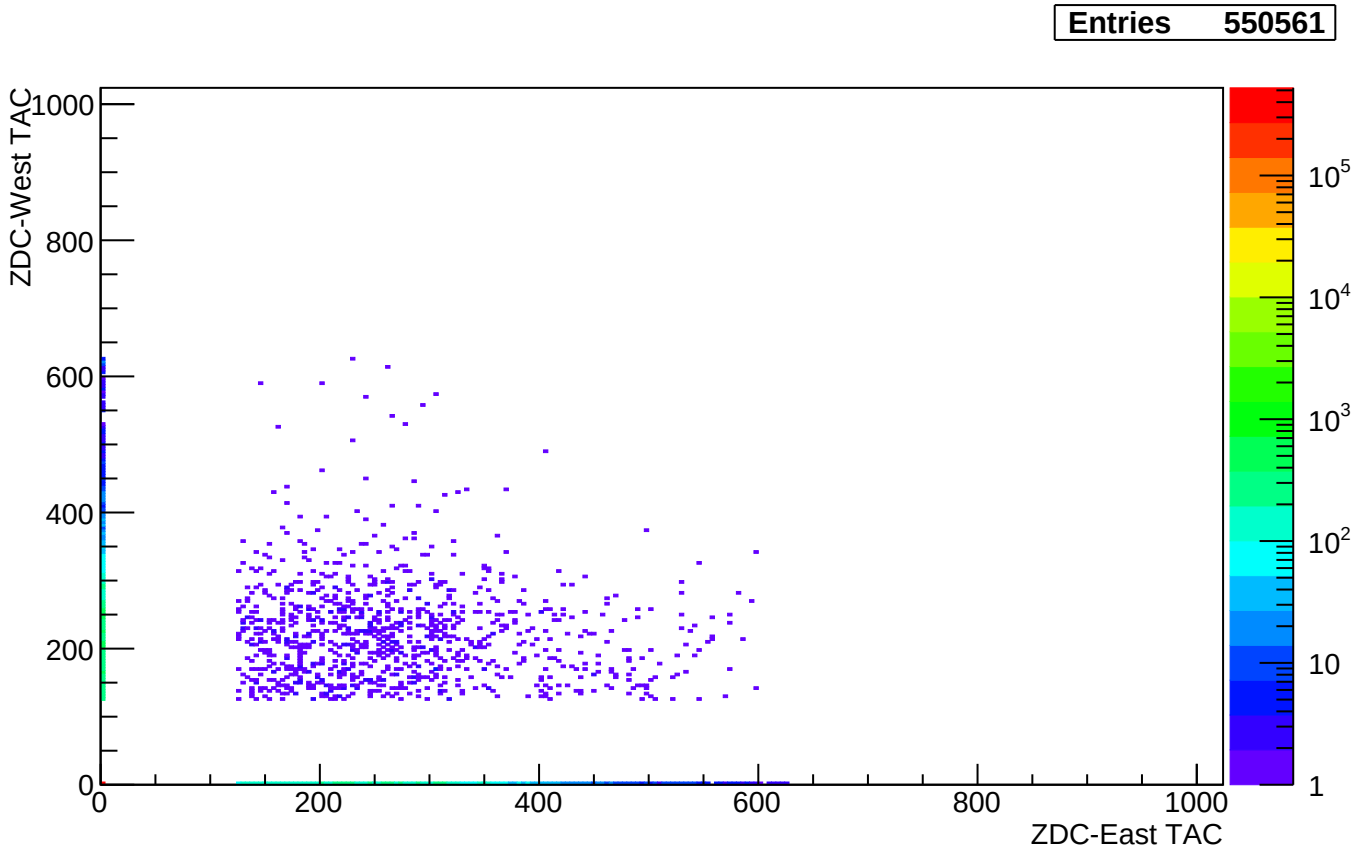

Entries 550561
TOF_Mult
VPD-East ADC Sum

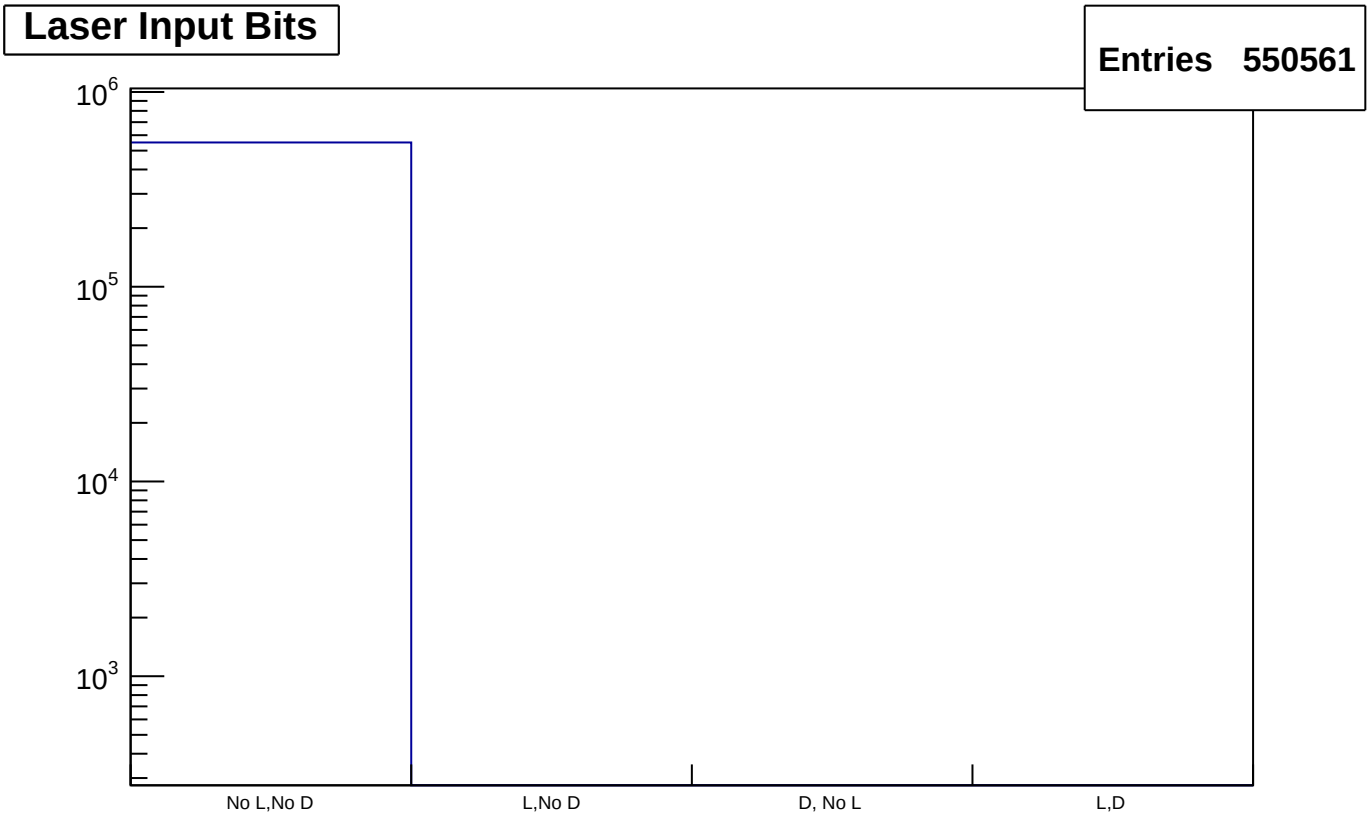

Entries 550561
TOF_Mult
VPD-West ADC Sum

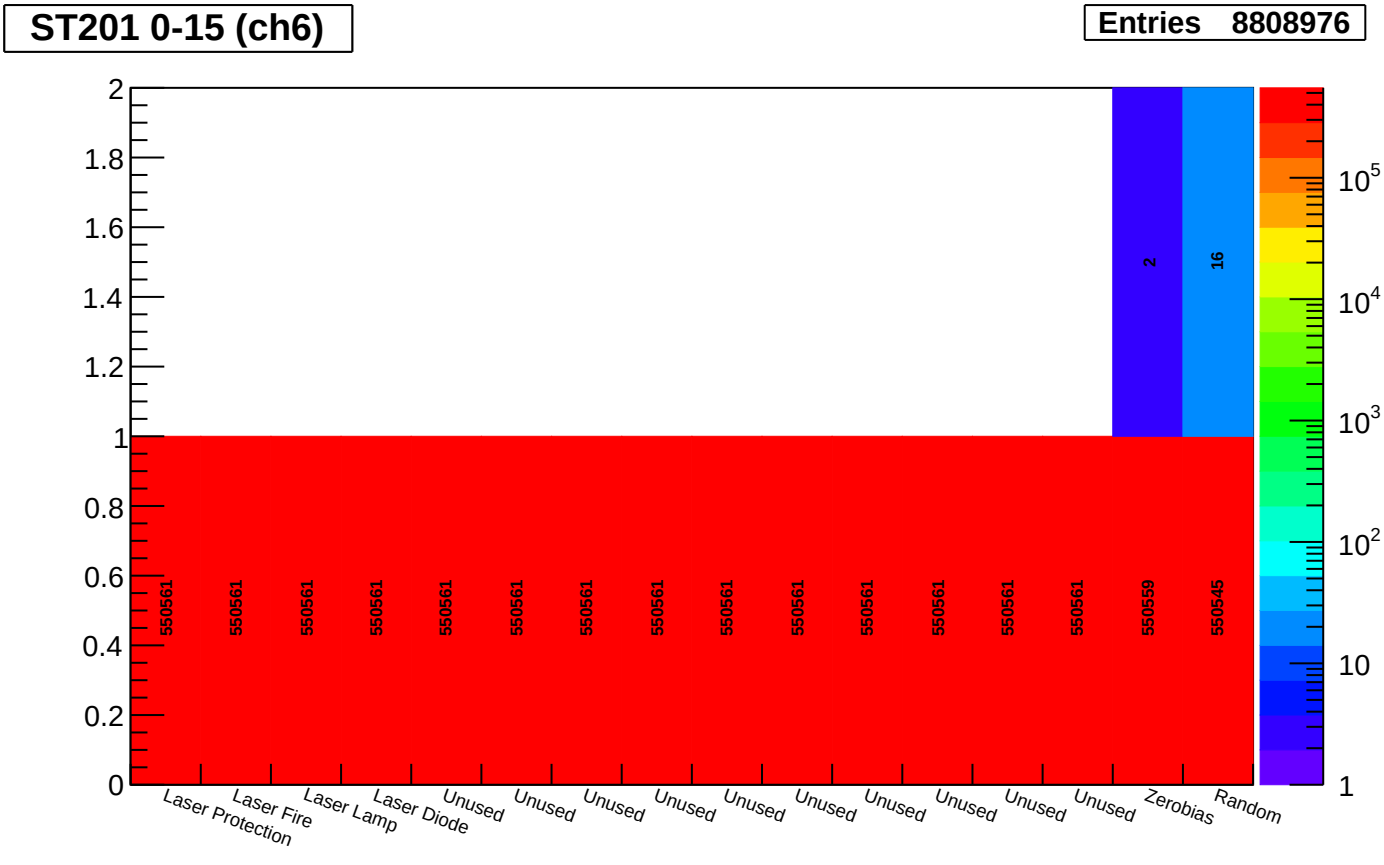

Entries 550561
BBC TAC Diff
EPD TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
10^2
10
1

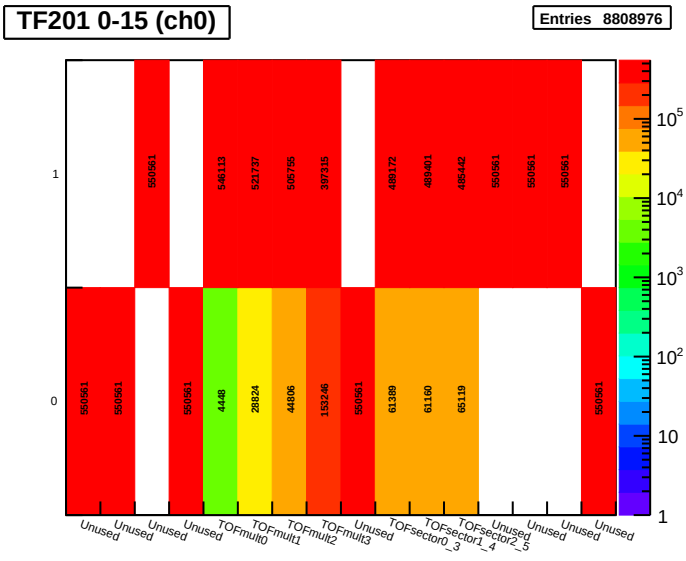

Entries 550561
BBC TAC Diff
VPD TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
10^2
10
1

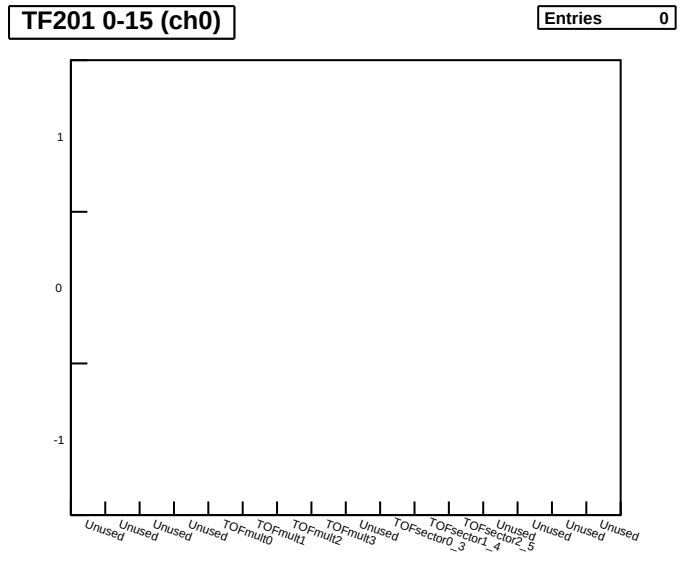

Entries 550561
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff
1
10^{-1}
10^{-2}

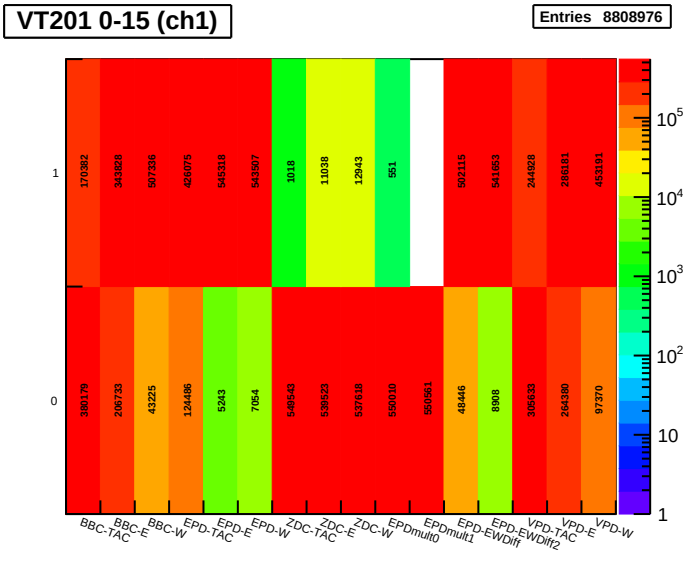

Entries 550561
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
10^5
10^4
10^3
10^2
10
1

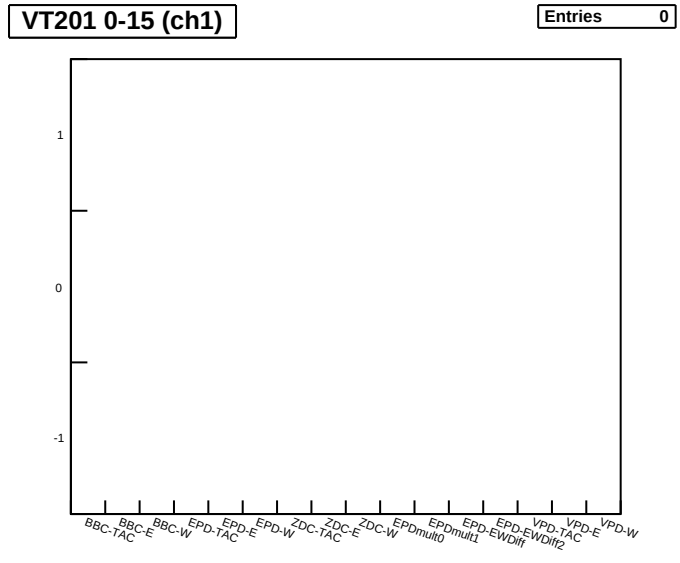

Laser Input Bits
Entries 550561
10^6
10^5
10^4
10^3
No L,No D
L,No D
D, No L
L,D

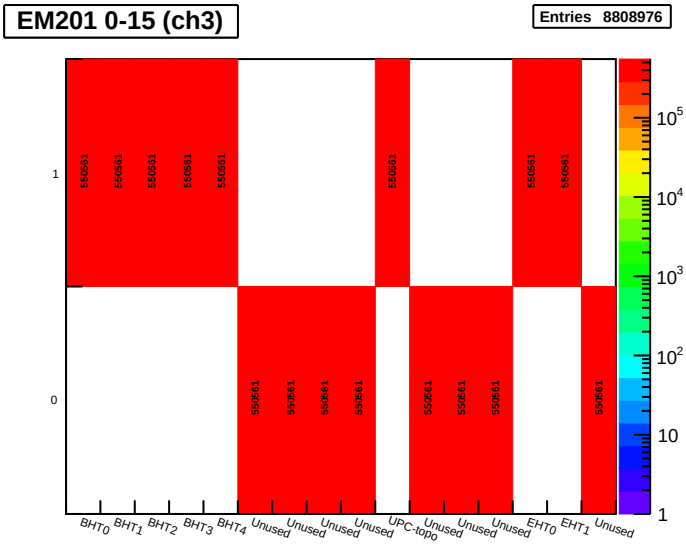

ST201 0-15 (ch6)
Entries 8808976
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
550561
550561
550561
550561
550561
550561
550561
550561
550561
550561
550561
550561
550561
550561
550559
550545
2
16
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Unused
Zerobias
Random
10^5
10^4
10^3
10^2
10
1

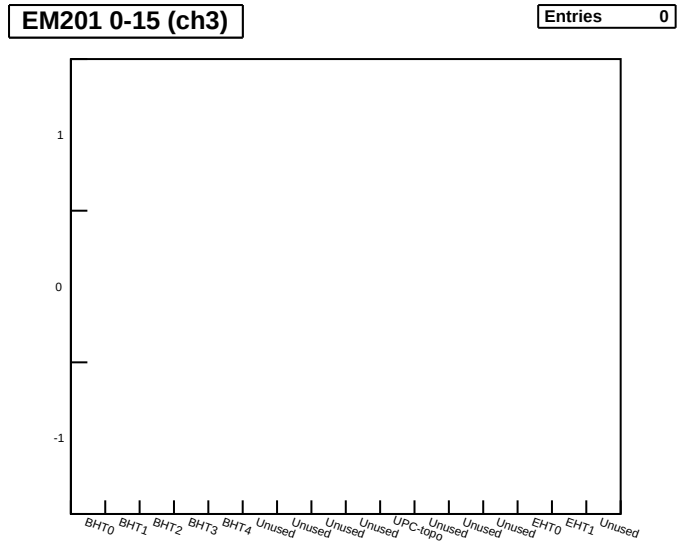

TF201 0-15 (ch0)
Entries 8808976
1
0
550561 546113 521737 505755 397315 489172 489401 485442 550561 550561 550561
550561 550561 550561 4448 28824 44806 153246 550561 61389 61160 65119 550561
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused Unused
10^5 10^4 10^3 10^2 10 1


TF201 0-15 (ch0)
Entries 0
1
0
-1
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused


VT201 0-15 (ch1)
Entries 8808976
1
0
170382 343828 507336 426075 545318 543907 1018 11038 12943 551 502115 541653 244928 286181 453191
380179 206733 43225 124486 5243 7054 549543 539523 537618 550010 550561 48446 8908 305633 264380 97370
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 8808976
1
0
550561 550561 550561 550561 550561 550561 550561 550561
550561 550561 550561 550561 550561 550561 550561 550561
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