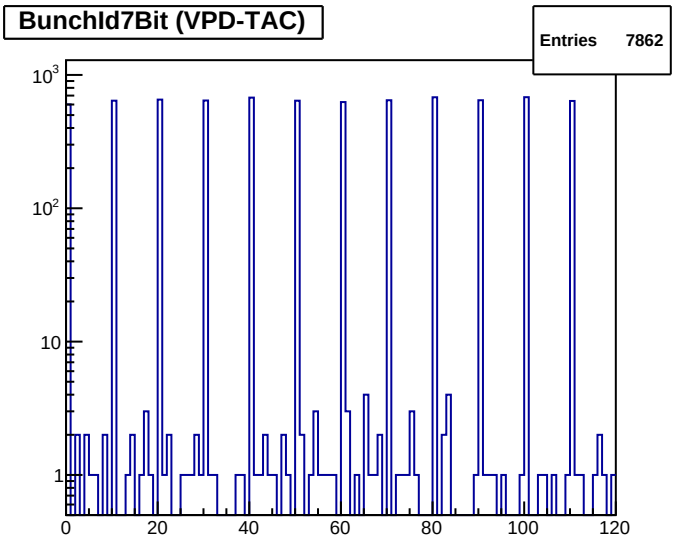
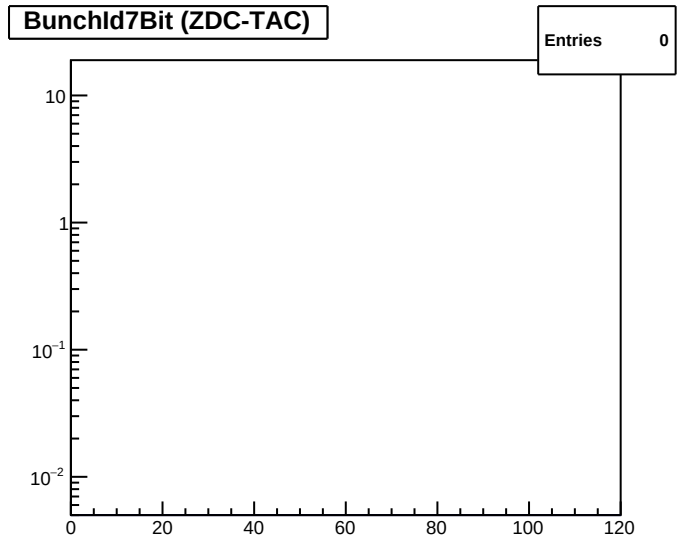
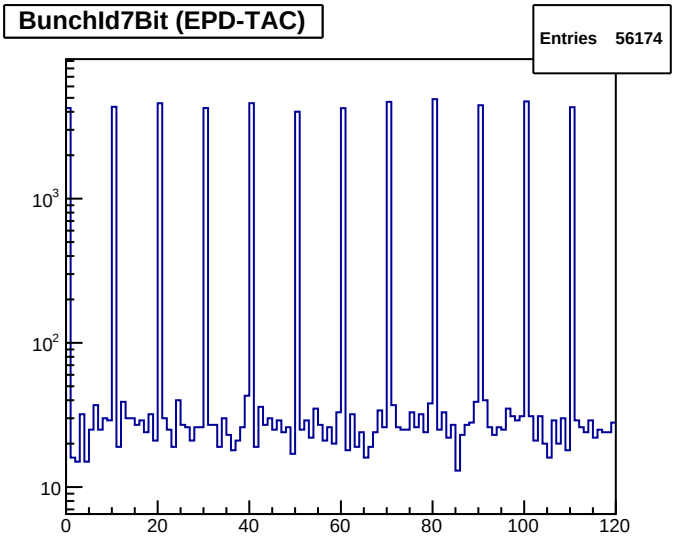
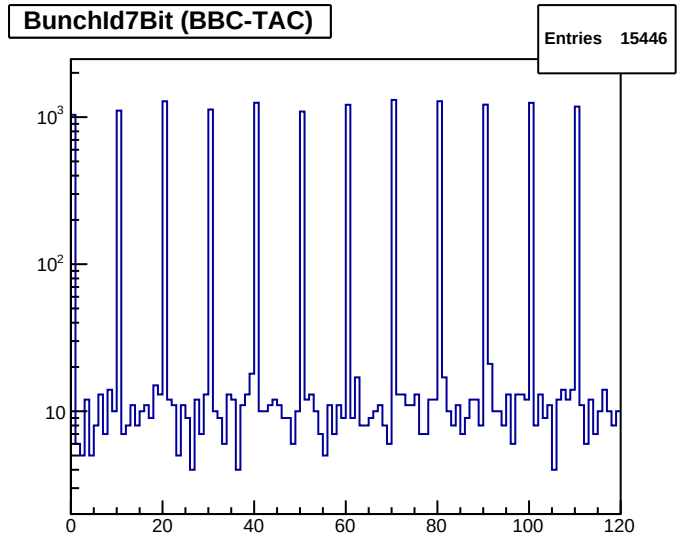
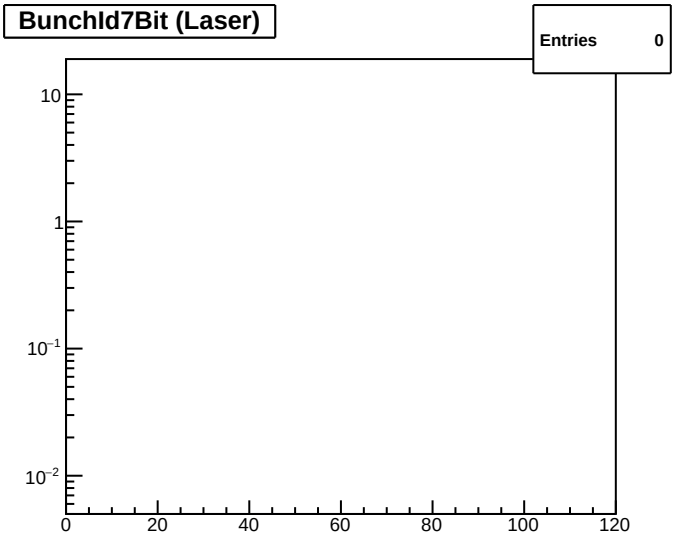
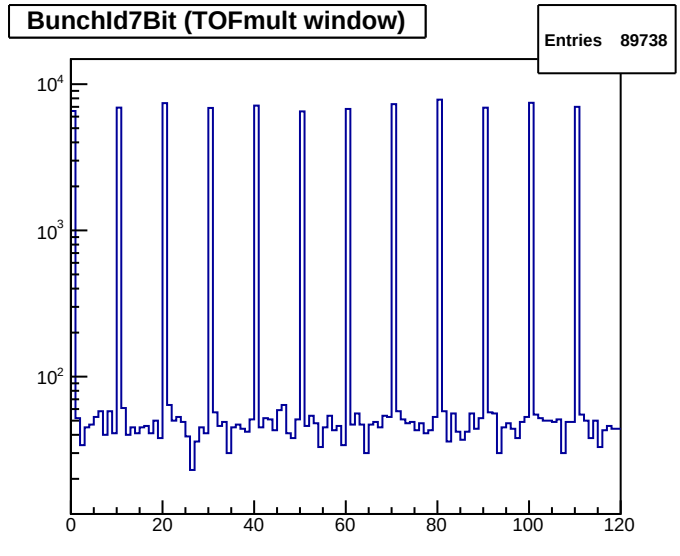

BunchId7Bit (VPD-TAC)
Entries 7862

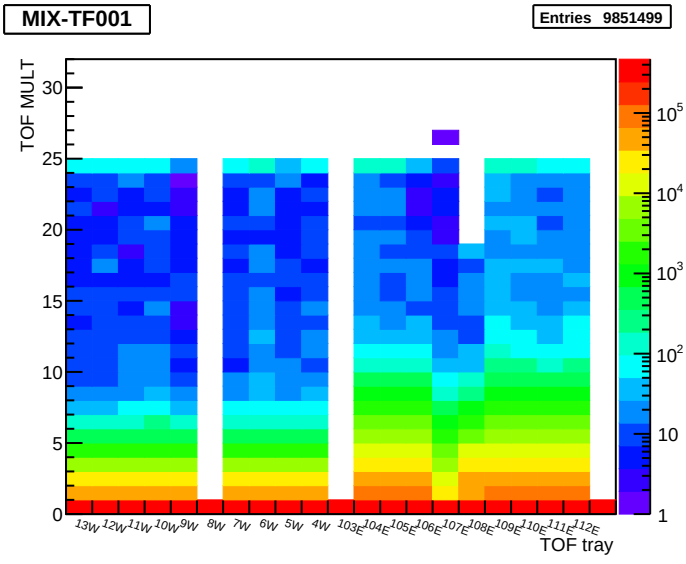

BunchId7Bit (ZDC-TAC)
Entries 0

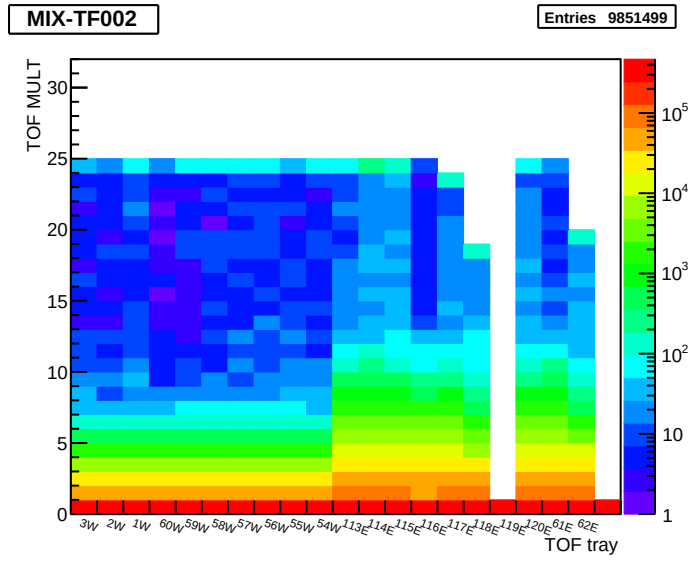

BunchId7Bit (EPD-TAC)
Entries 56174

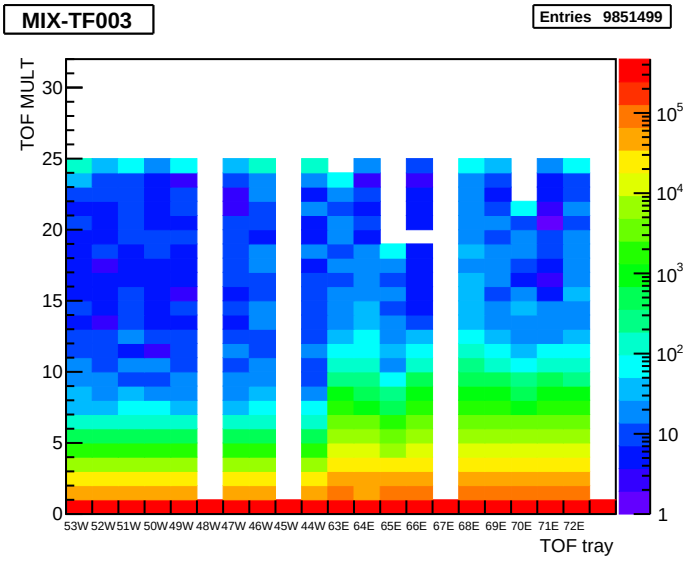

BunchId7Bit (BBC-TAC)
Entries 15446

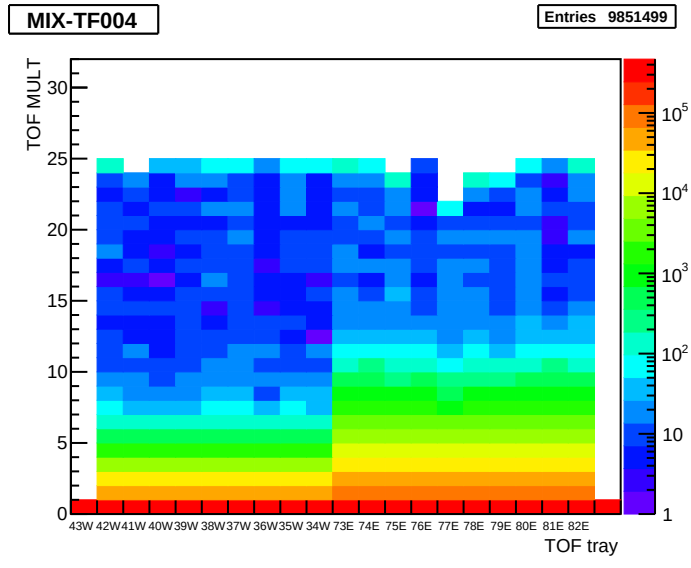

BunchId7Bit (Laser)
Entries 0

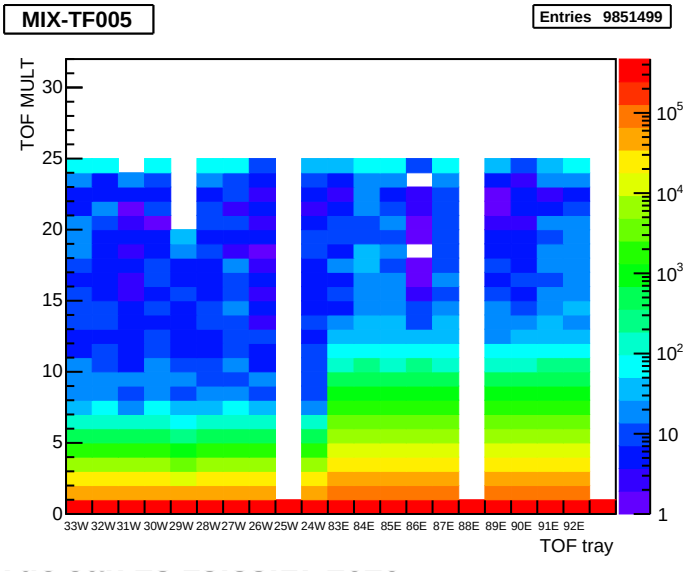

BunchId7Bit (TOFmult window)
Entries 89738

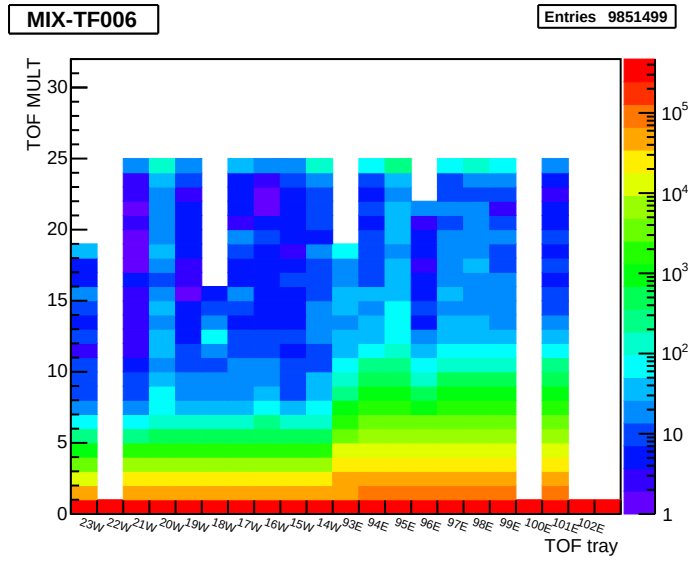

MIX-TF001
Entries 9851499
TOF MULT
TOF tray
13W 12W 11W 10W 9W 8W 7W 6W 5W 4W 103E 104E 105E 106E 107E 108E 109E 110E 111E 112E

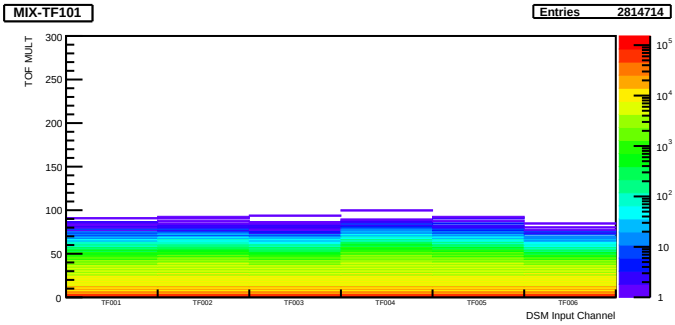

MIX-TF002
Entries 9851499
TOF MULT
TOF tray
3W 2W 1W 60W 59W 58W 57W 56W 55W 54W 113E 114E 115E 116E 117E 118E 119E 120E 61E 62E

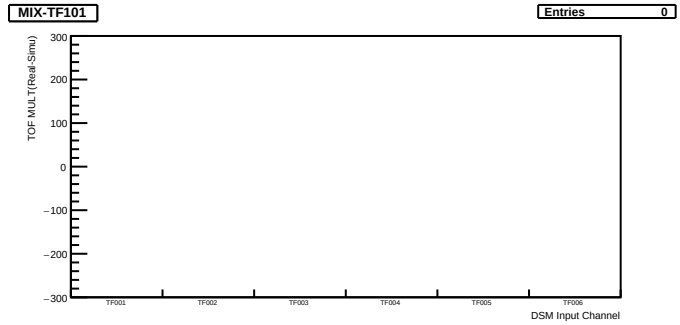

MIX-TF003
Entries 9851499
TOF MULT
TOF tray
53W 52W 51W 50W 49W 48W 47W 46W 45W 44W 63E 64E 65E 66E 67E 68E 69E 70E 71E 72E

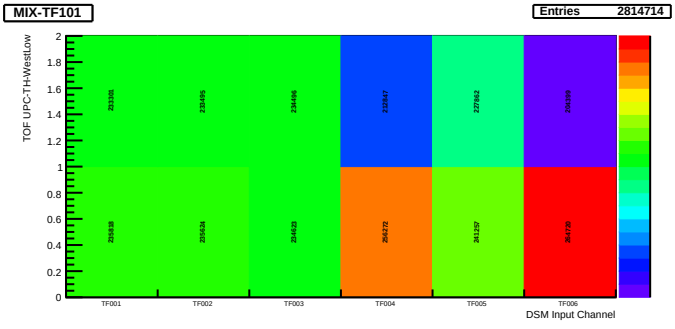

MIX-TF004
Entries 9851499
TOF MULT
TOF tray
43W 42W 41W 40W 39W 38W 37W 36W 35W 34W 73E 74E 75E 76E 77E 78E 79E 80E 81E 82E

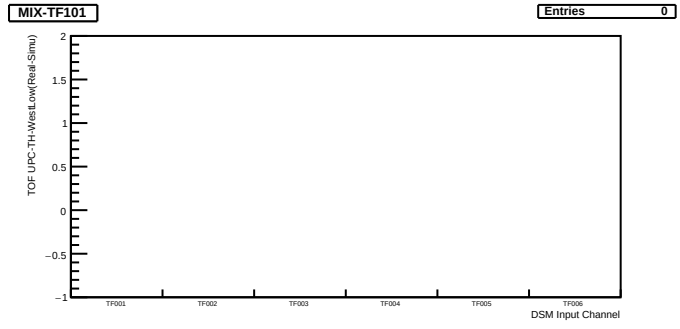

MIX-TF005
Entries 9851499
TOF MULT
TOF tray
33W 32W 31W 30W 29W 28W 27W 26W 25W 24W 83E 84E 85E 86E 87E 88E 89E 90E 91E 92E

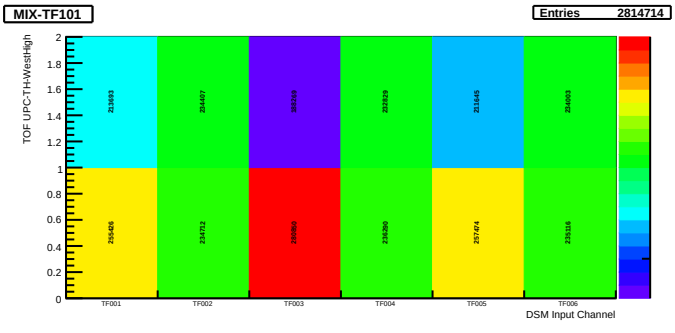

MIX-TF006
Entries 9851499
TOF MULT
TOF tray
23W 22W 21W 20W 19W 18W 17W 16W 15W 14W 93E 94E 95E 96E 97E 98E 99E 100E 101E 102E

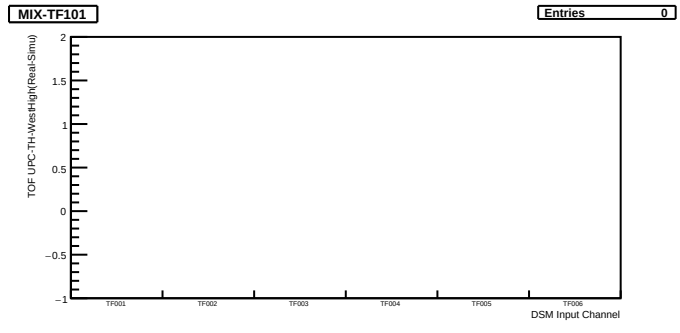

MIX-TF101
Entries 2814714
TOF MULT
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

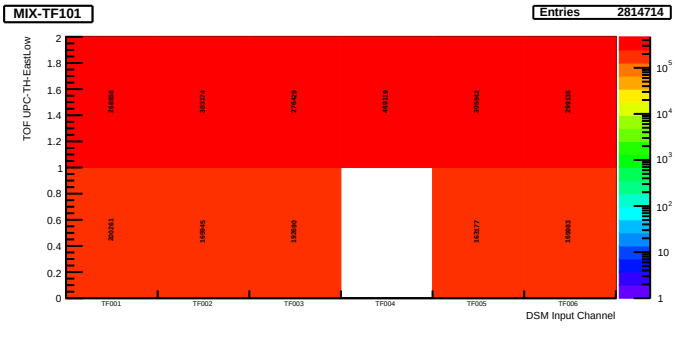

MIX-TF101
Entries 0
TOF MULT(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

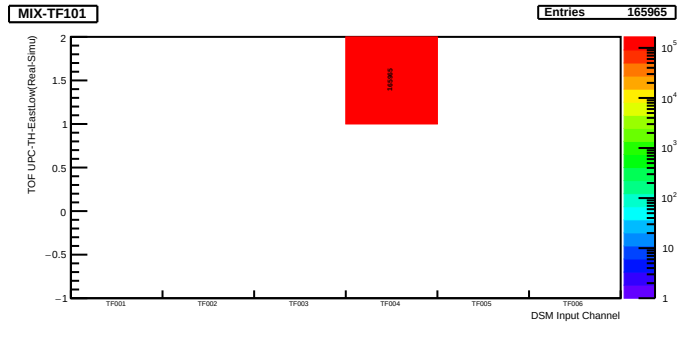

MIX-TF101
Entries 2814714
TOF UPC-TH-WestLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

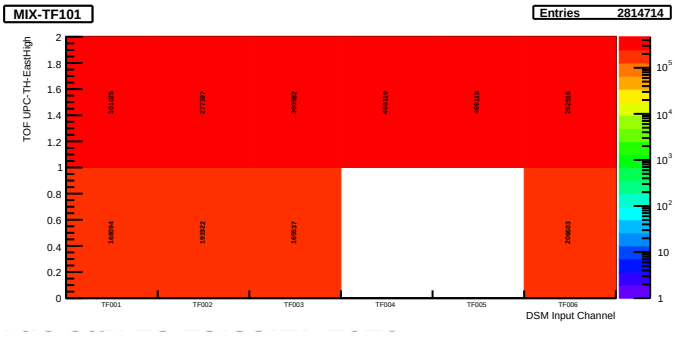

MIX-TF101
Entries 0
TOF UPC-TH-WestLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

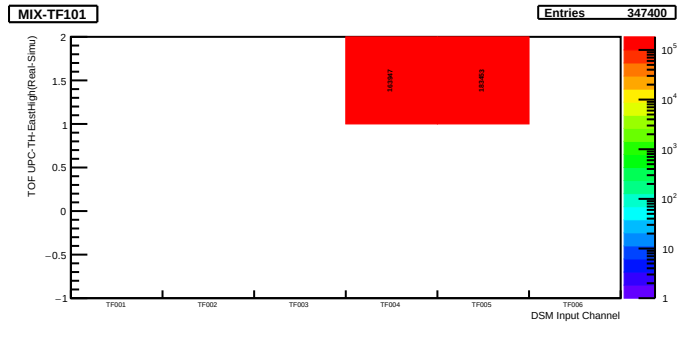

MIX-TF101
Entries 2814714
TOF UPC-TH-WestHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

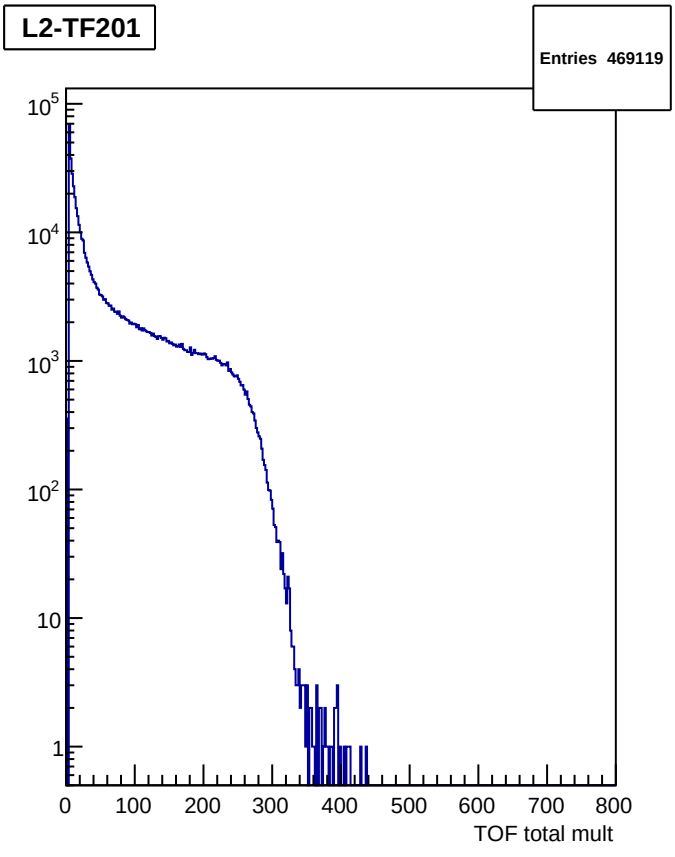

MIX-TF101
Entries 0
TOF UPC-TH-WestHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

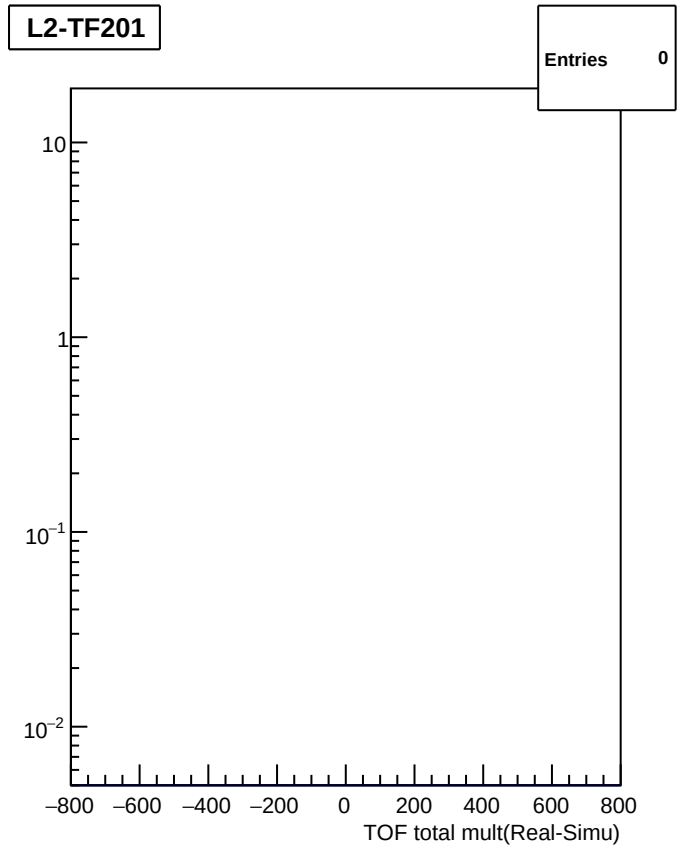

MIX-TF101
Entries 2814714
TOF UPC-TH-EastLow
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

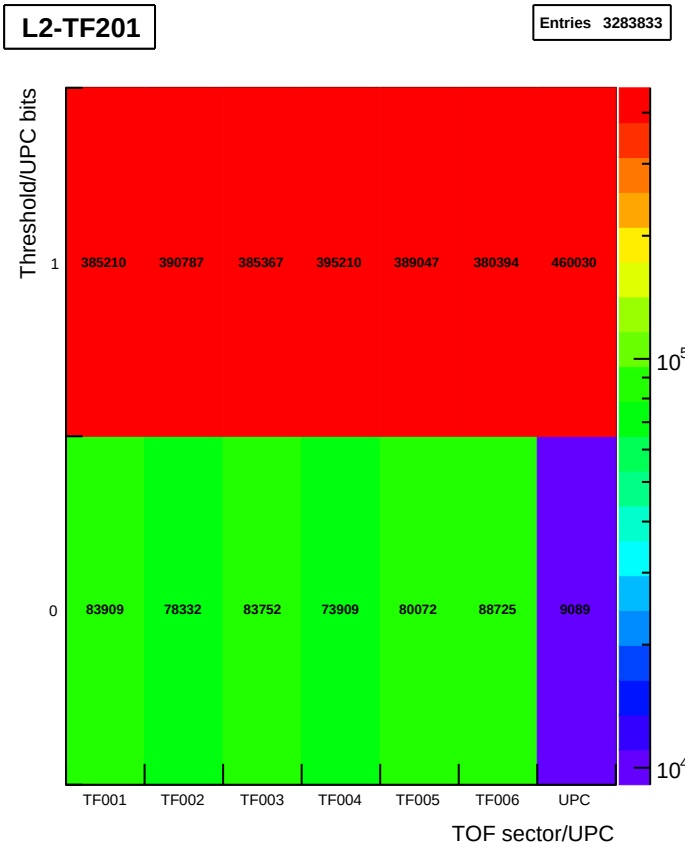

MIX-TF101
Entries 165965
TOF UPC-TH-EastLow(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

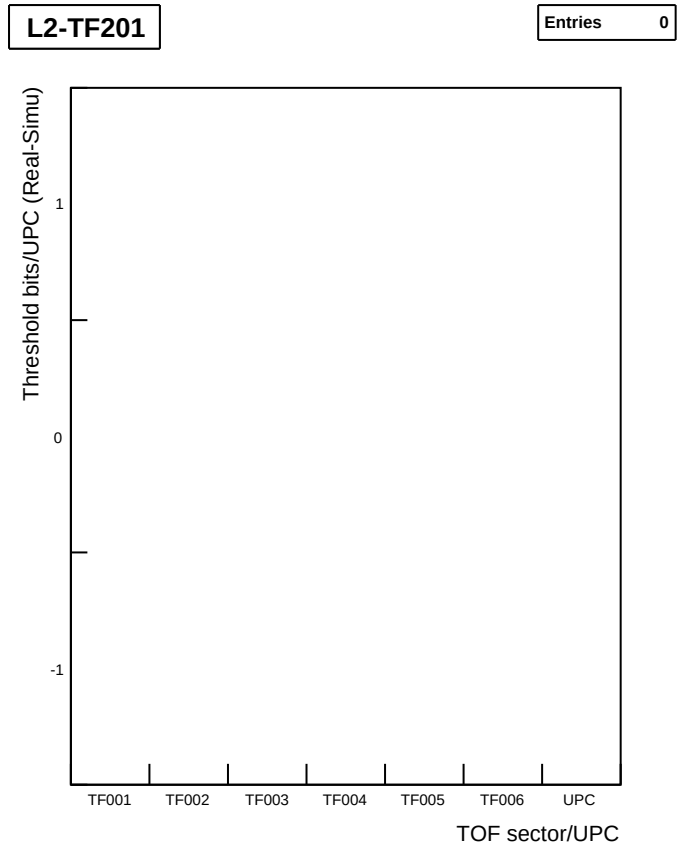

MIX-TF101
Entries 2814714
TOF UPC-TH-EastHigh
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

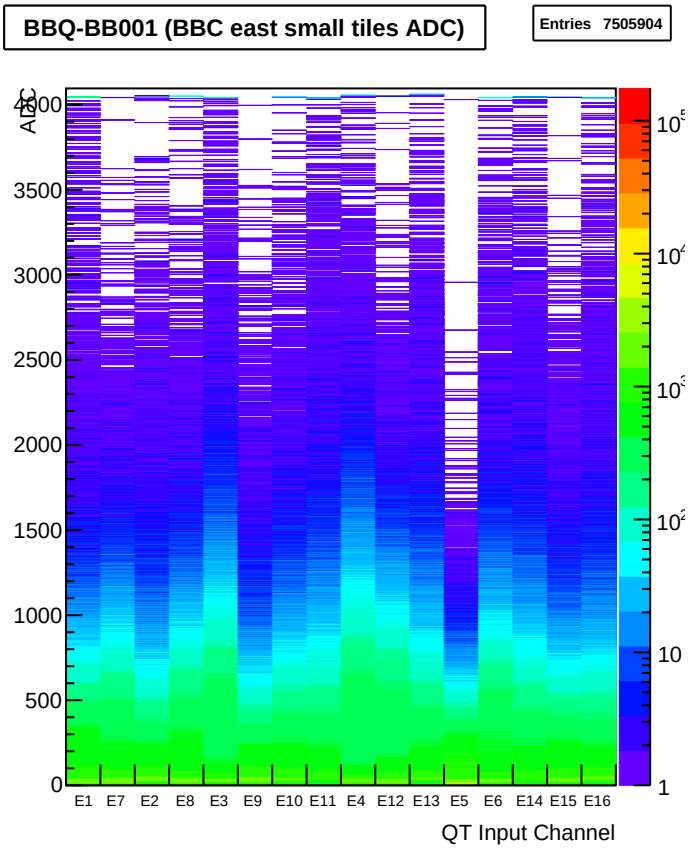

MIX-TF101
Entries 347400
TOF UPC-TH-EastHigh(Real-Simu)
DSM Input Channel
TF001
TF002
TF003
TF004
TF005
TF006

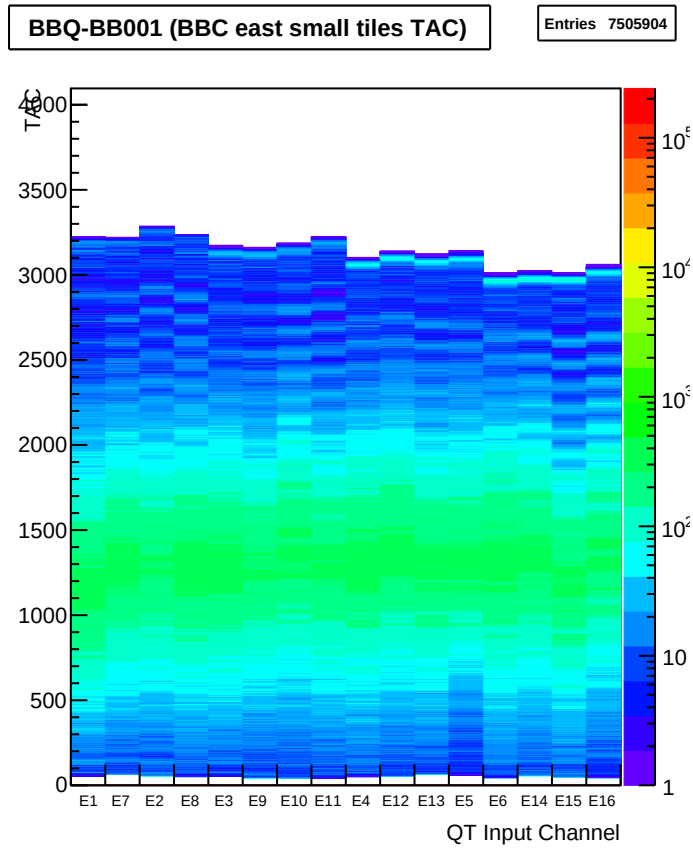

L2-TF201
Entries 469119
TOF total mult

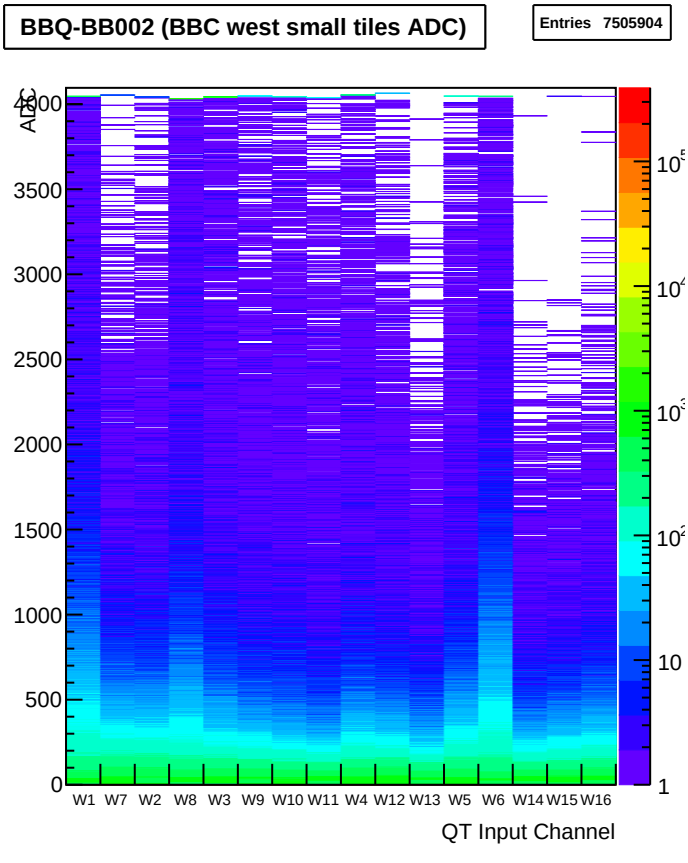

L2-TF201
Entries 0
TOF total mult(Real-Simu)

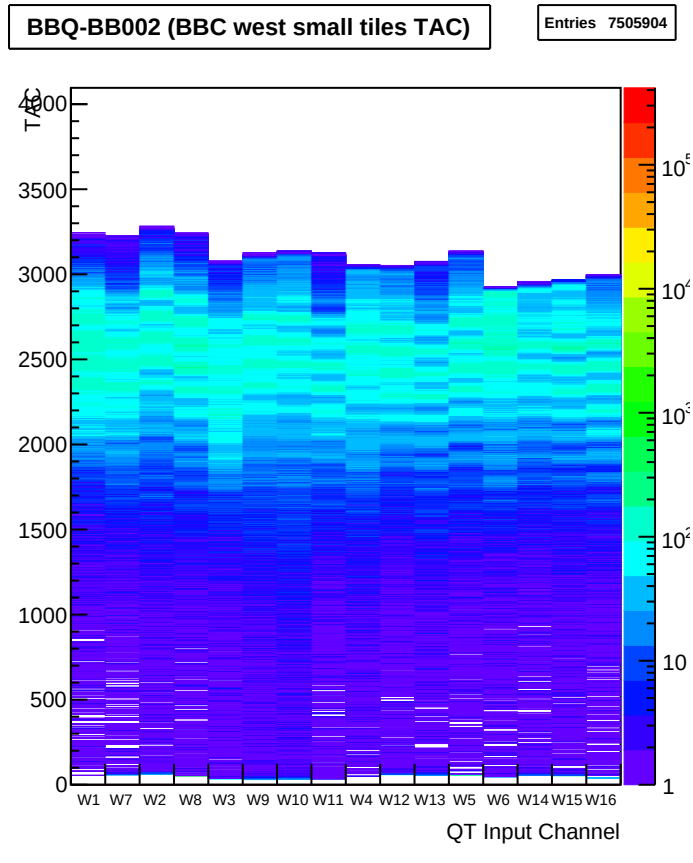

L2-TF201
Entries 3283833
Threshold/UPC bits
385210
390787
385367
395210
389047
380394
460030
83909
78332
83752
73909
80072
88725
9089
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

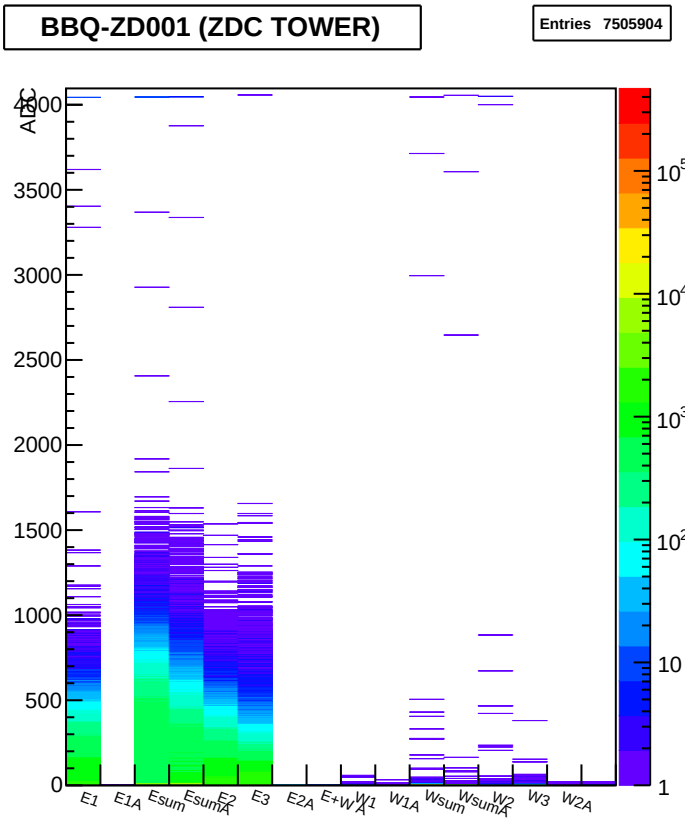

L2-TF201
Entries 0
Threshold bits/UPC (Real-Simu)
TF001
TF002
TF003
TF004
TF005
TF006
UPC
TOF sector/UPC

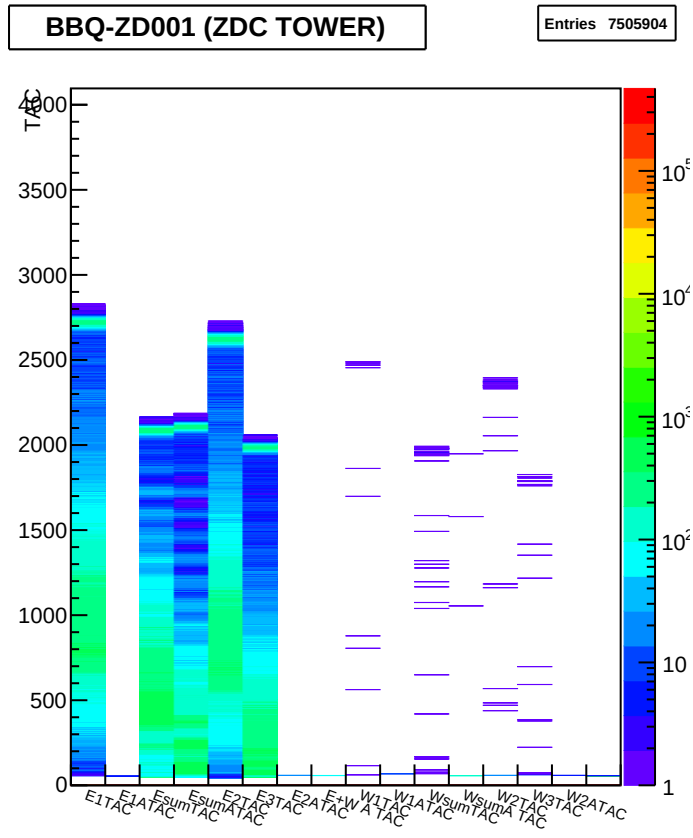

BBQ-BB001 (BBC east small tiles ADC)
Entries 7505904
ADC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

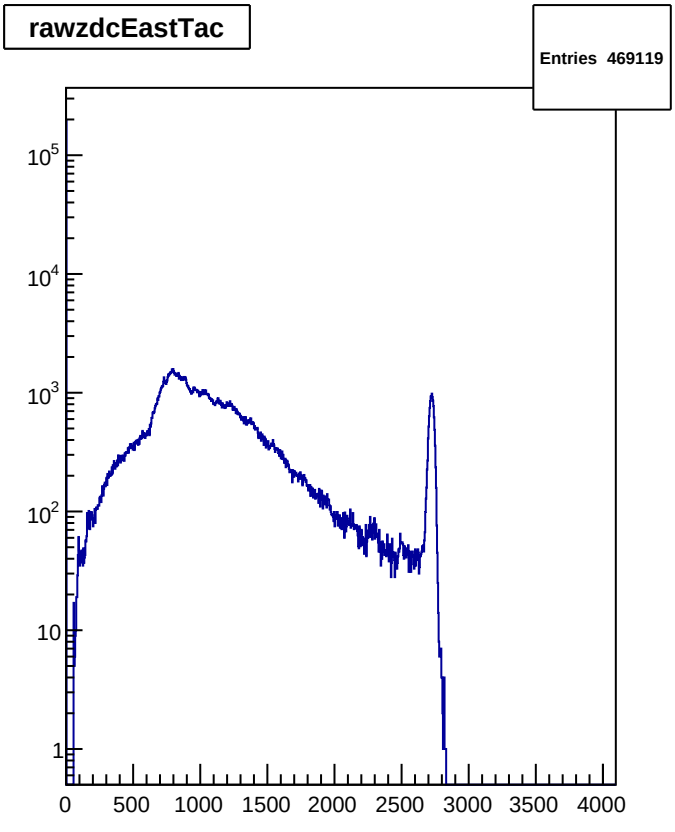

BBQ-BB001 (BBC east small tiles TAC)
Entries 7505904
TAC
QT Input Channel
E1 E7 E2 E8 E3 E9 E10 E11 E4 E12 E13 E5 E6 E14 E15 E16

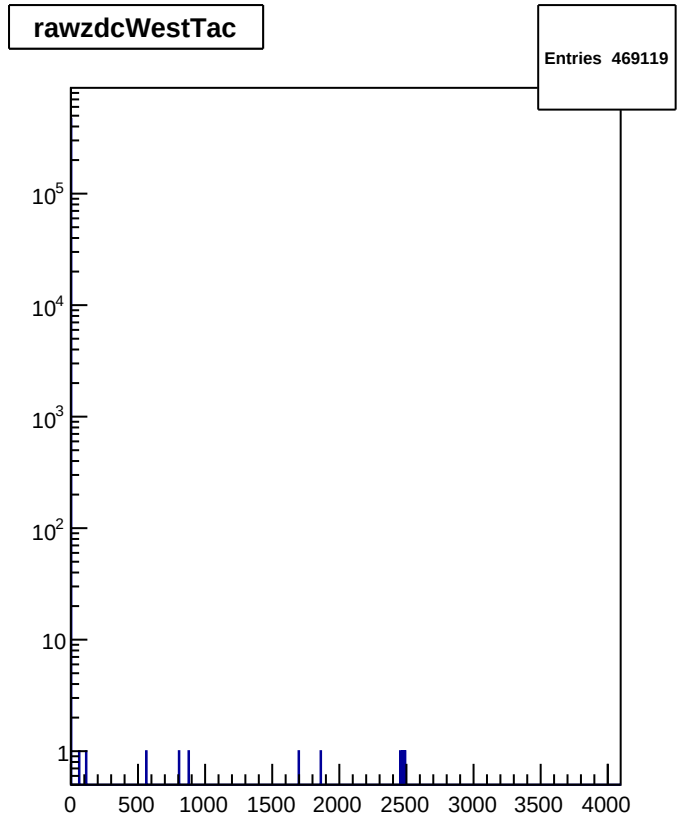

BBQ-BB002 (BBC west small tiles ADC)
Entries 7505904
ADC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

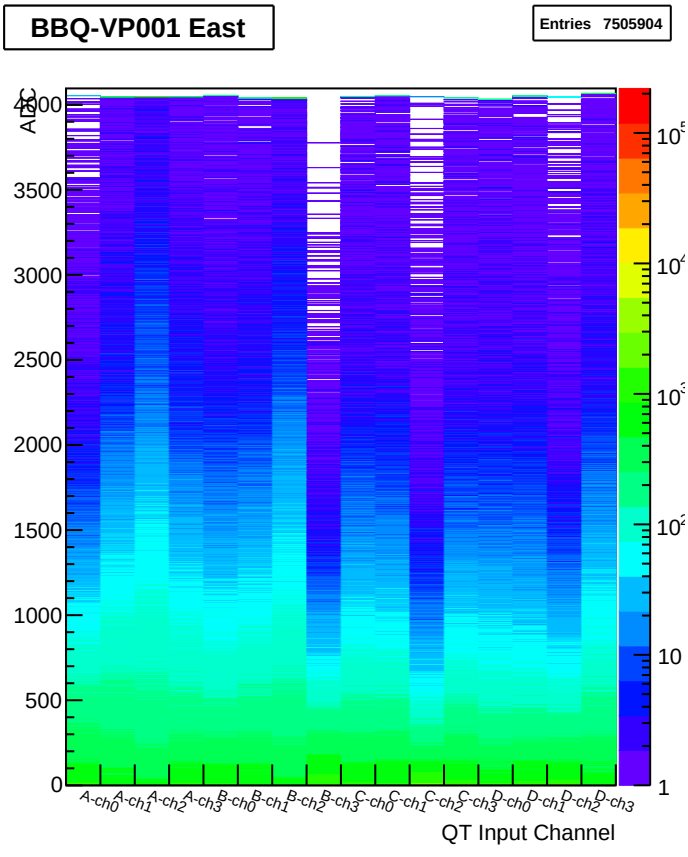

BBQ-BB002 (BBC west small tiles TAC)
Entries 7505904
TAC
QT Input Channel
W1 W7 W2 W8 W3 W9 W10 W11 W4 W12 W13 W5 W6 W14 W15 W16

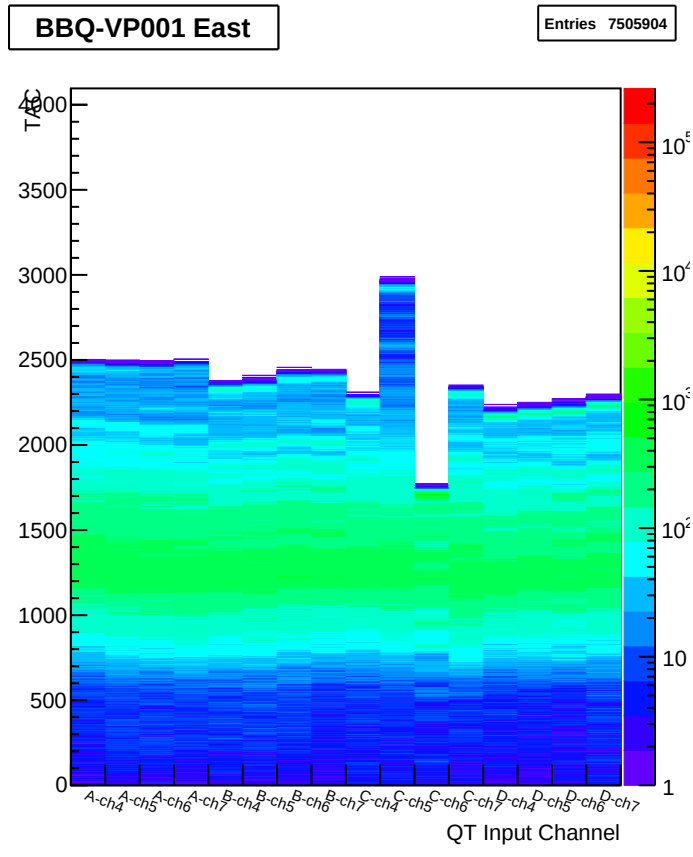

BBQ-ZD001 (ZDC TOWER)
Entries 7505904
ADC
E1
E1A
Esum
EsumA
E2
E3
E2A
E+W
W1A
W1A
Wsum
WsumA
W2
W3
W2A

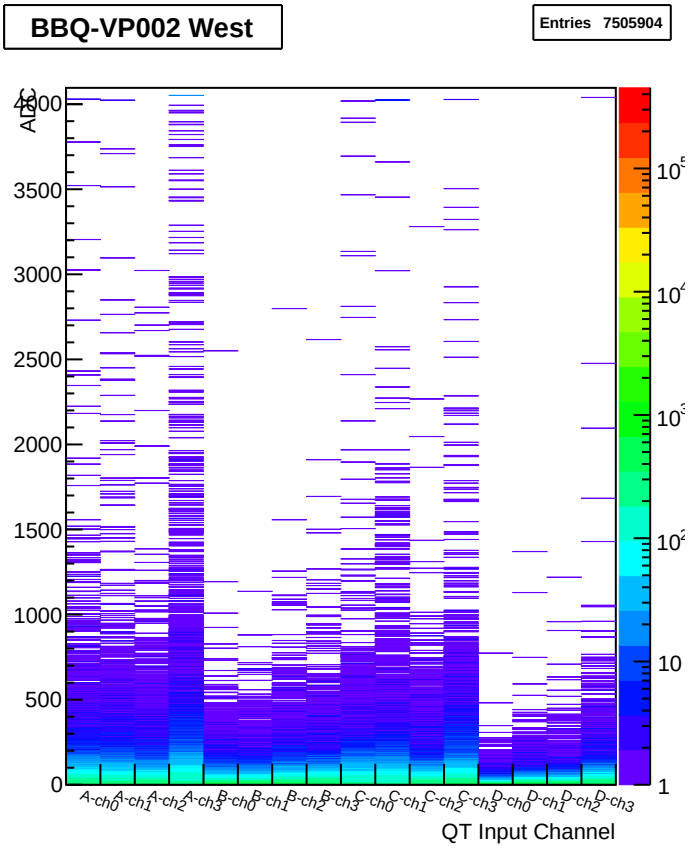

BBQ-ZD001 (ZDC TOWER)
Entries 7505904
TAC
E1TAC
E1ATAC
EsumTAC
EsumATAC
E2TAC
E3TAC
E2ATAC
E+W A TAC
W1TAC
W1ATAC
WsumTAC
WsumA TAC
W2TAC
W3TAC
W2ATAC

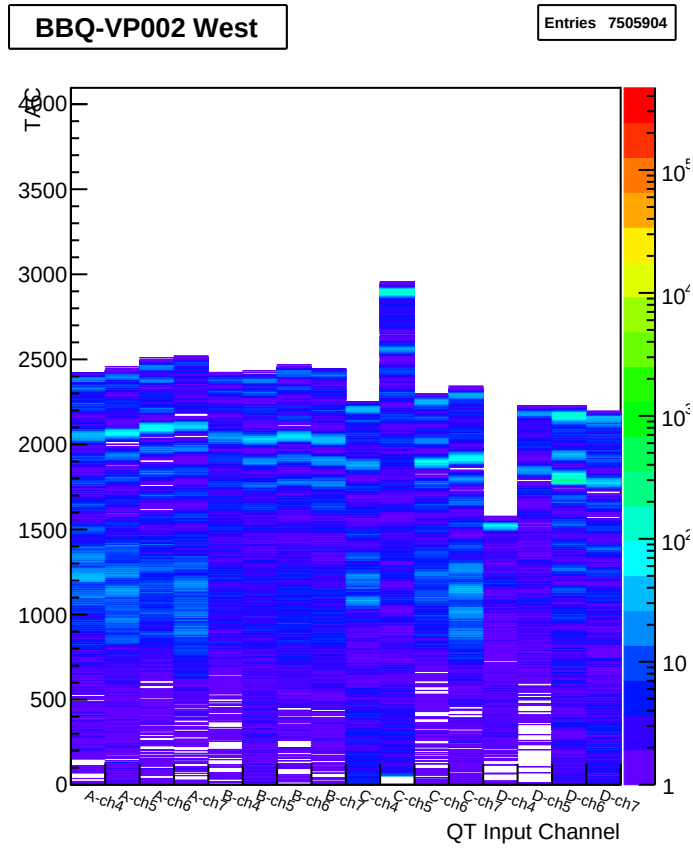

rawzdcEastTac
Entries 469119

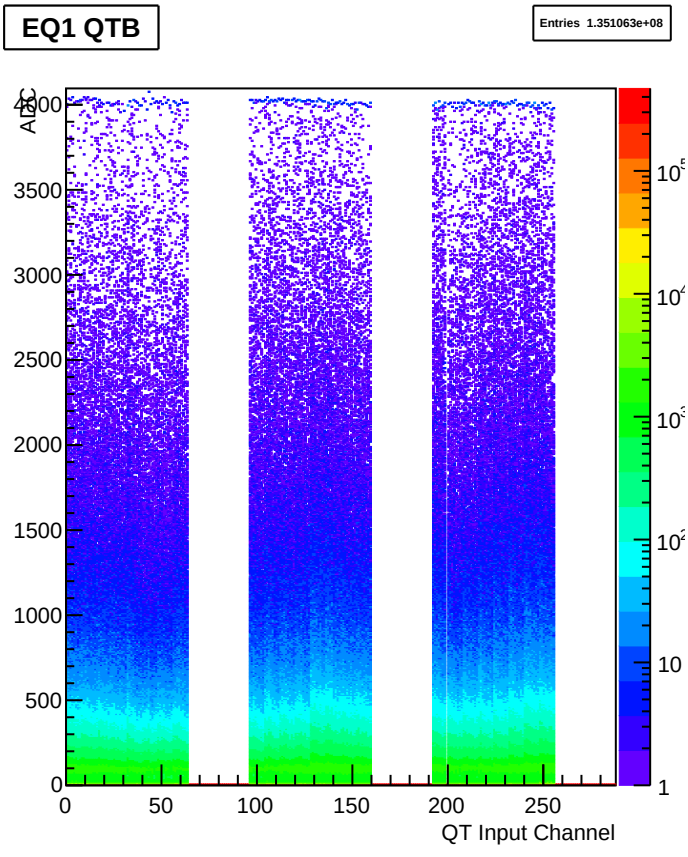

rawzdcWestTac
Entries 469119

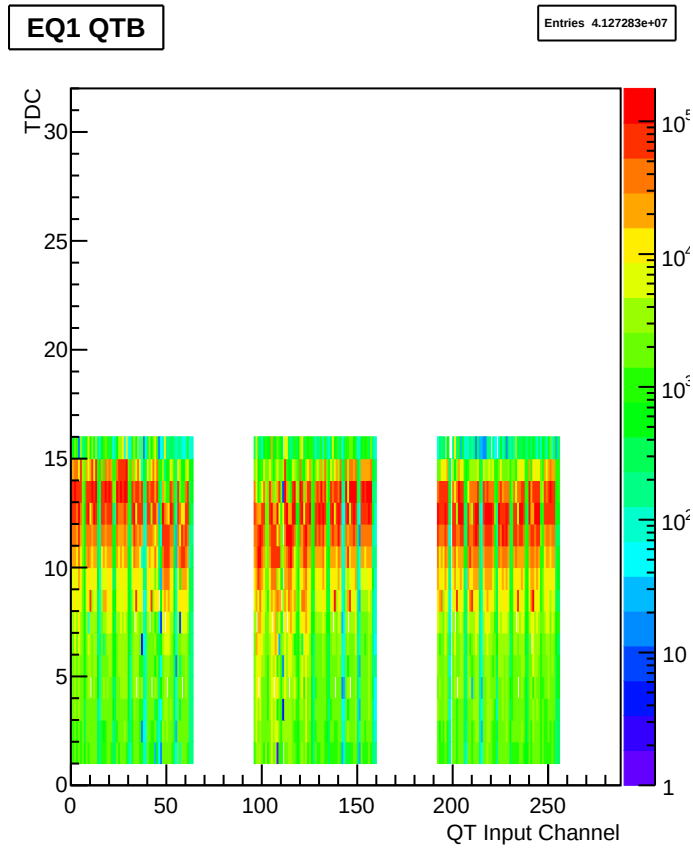

BBQ-VP001 East
Entries 7505904
ADC
QT Input Channel

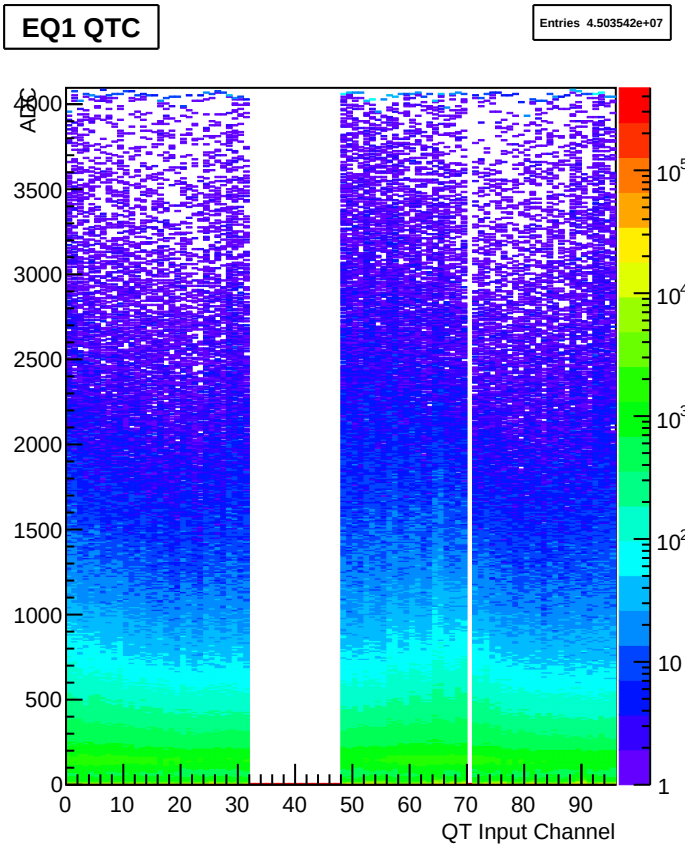

BBQ-VP001 East
Entries 7505904
TADC
QT Input Channel

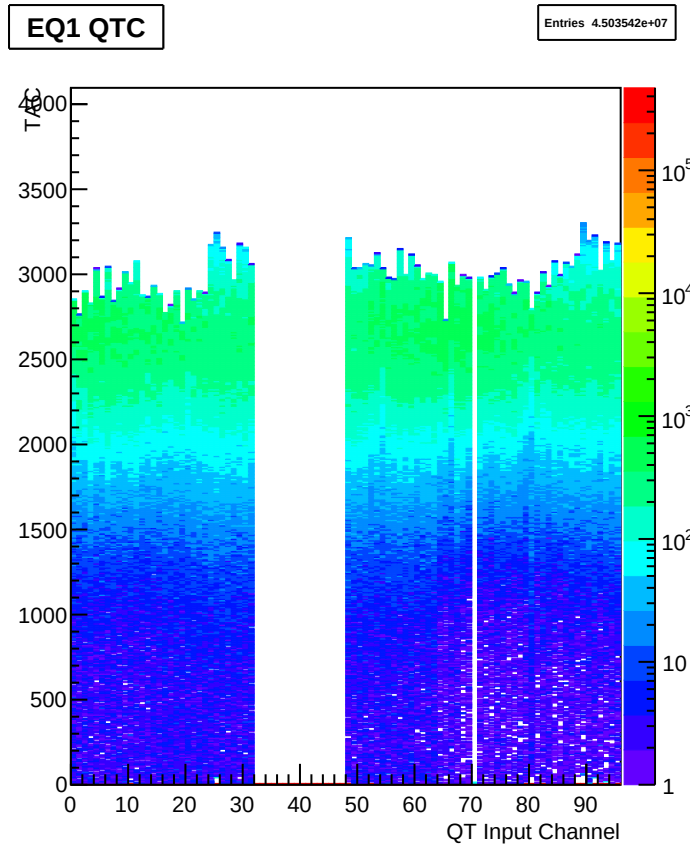

BBQ-VP002 West
Entries 7505904
ADC
QT Input Channel

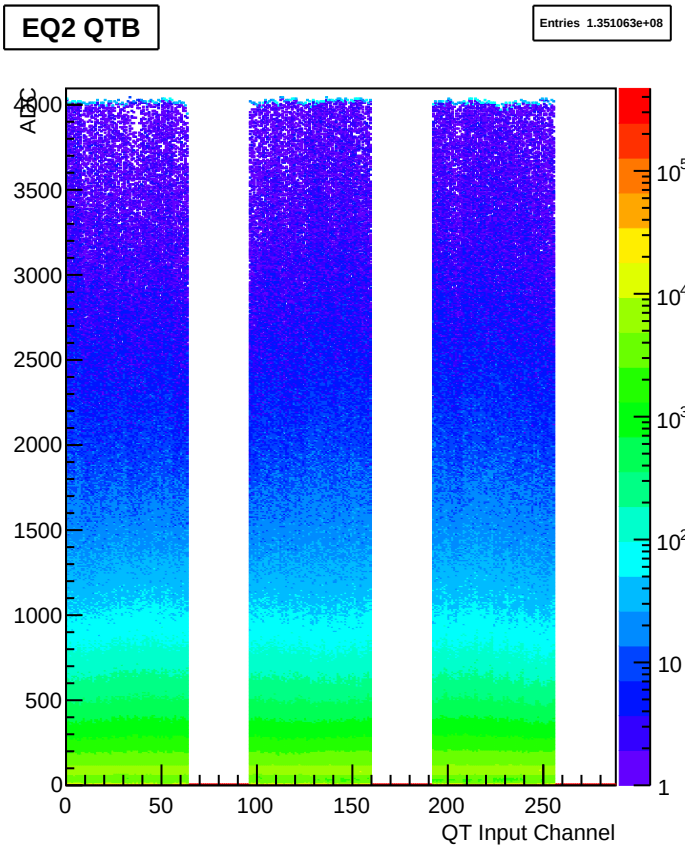

BBQ-VP002 West
Entries 7505904
TADC
QT Input Channel

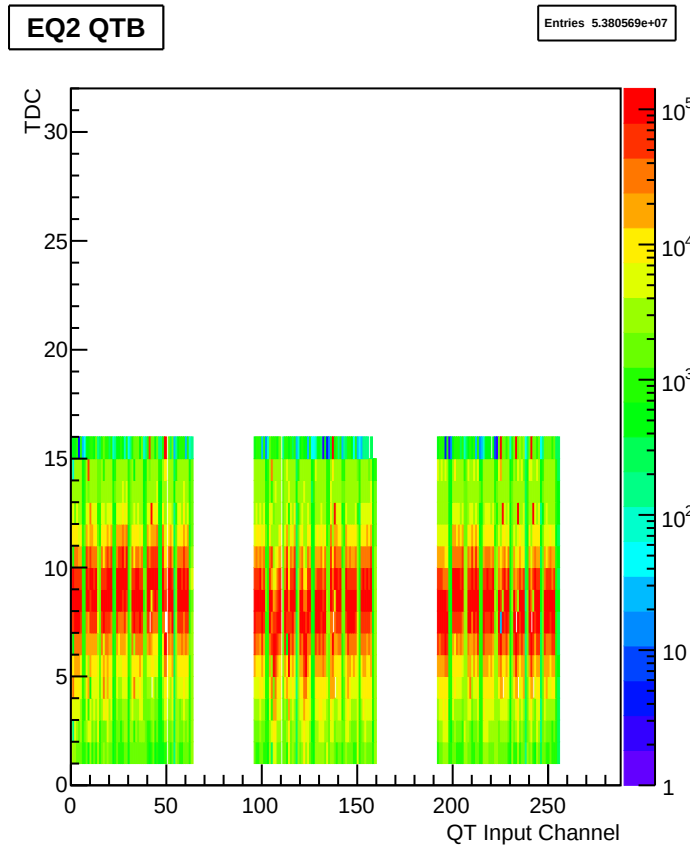

EQ1 QTB
Entries 1.351063e+08
ADC
QT Input Channel

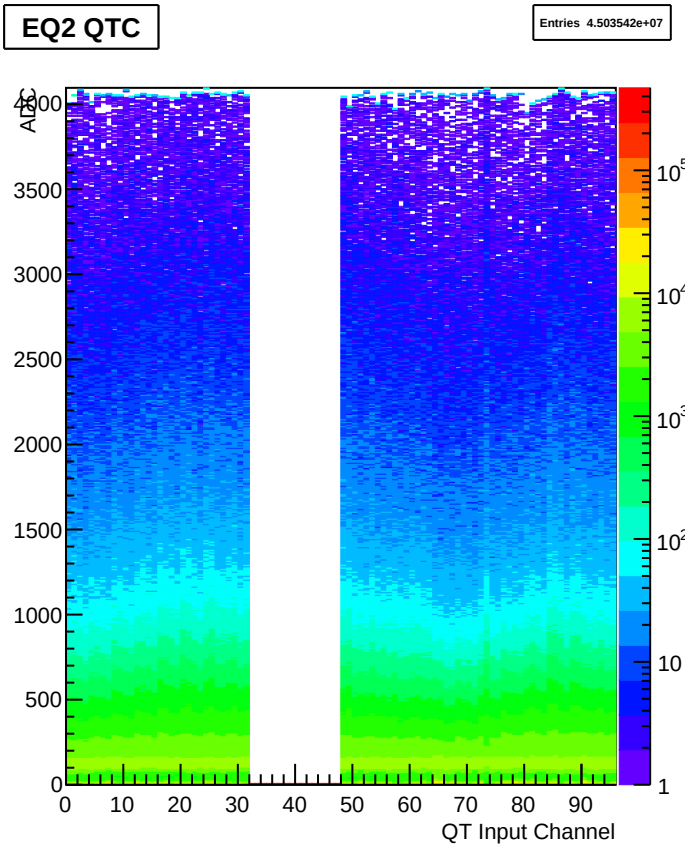

EQ1 QTB
Entries 4.127283e+07
TDC
QT Input Channel

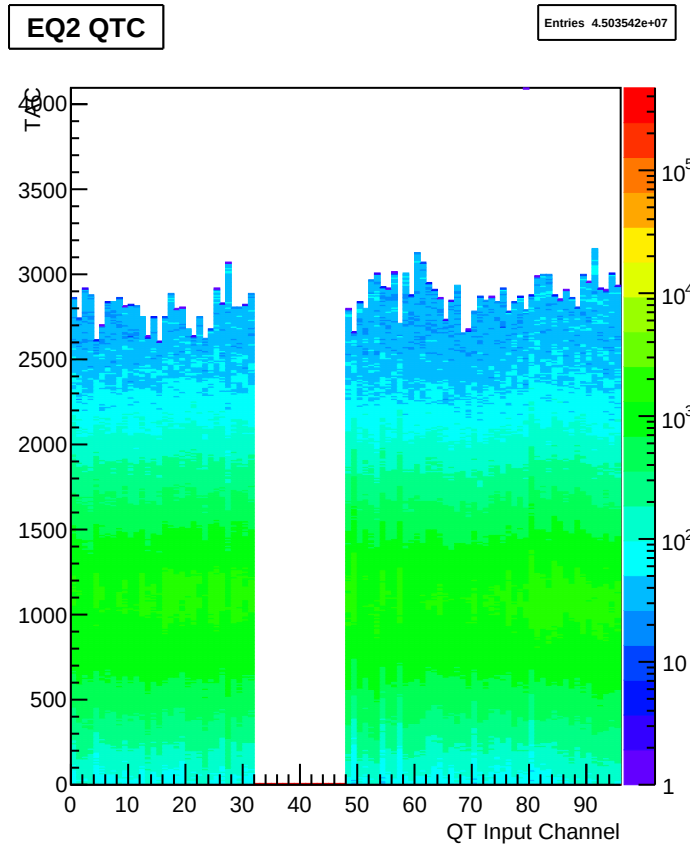

EQ1 QTC
Entries 4.503542e+07
ADC
QT Input Channel

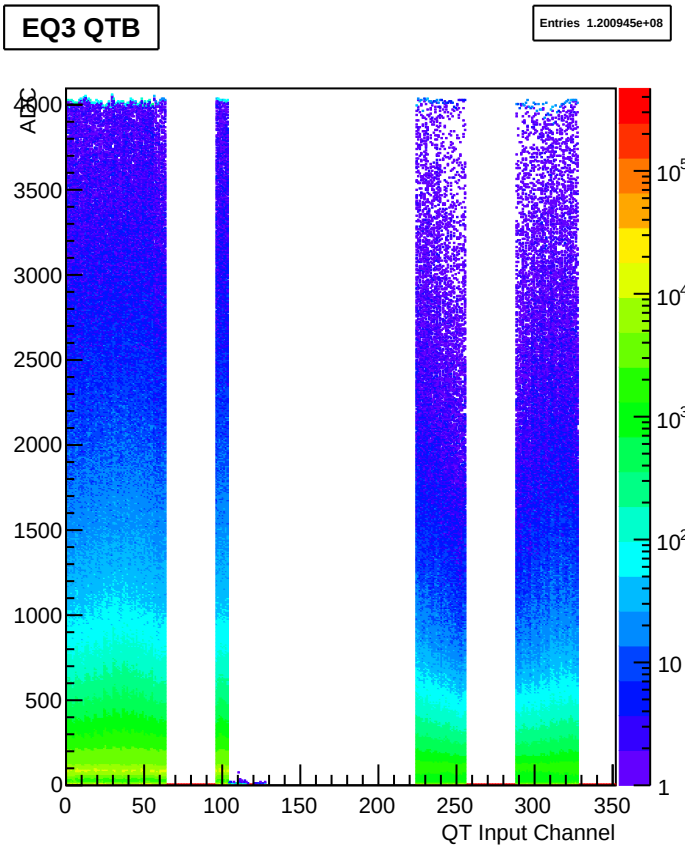

EQ1 QTC
Entries 4.503542e+07
TADC
QT Input Channel

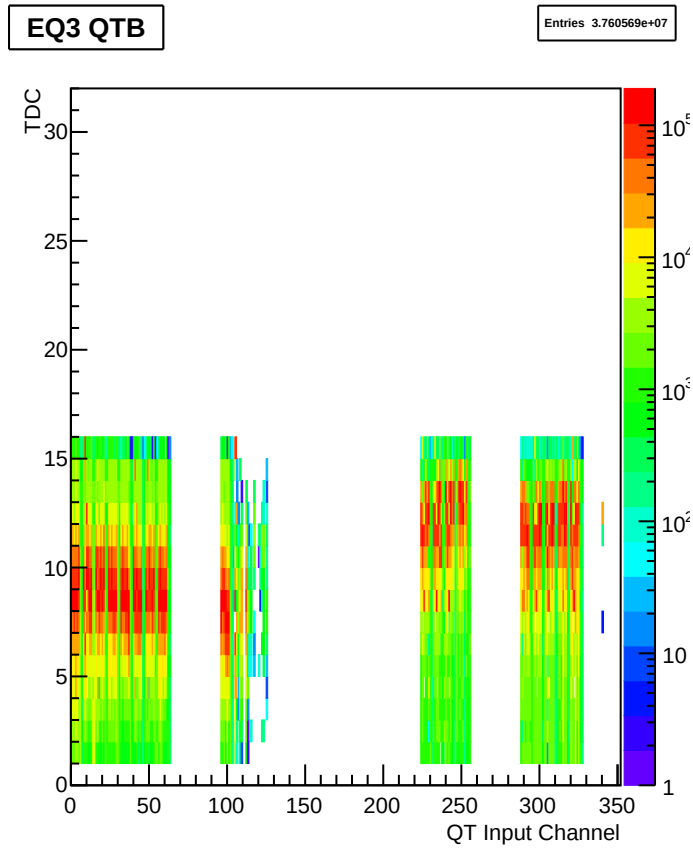

EQ2 QTB
Entries 1.351063e+08
ADC
QT Input Channel

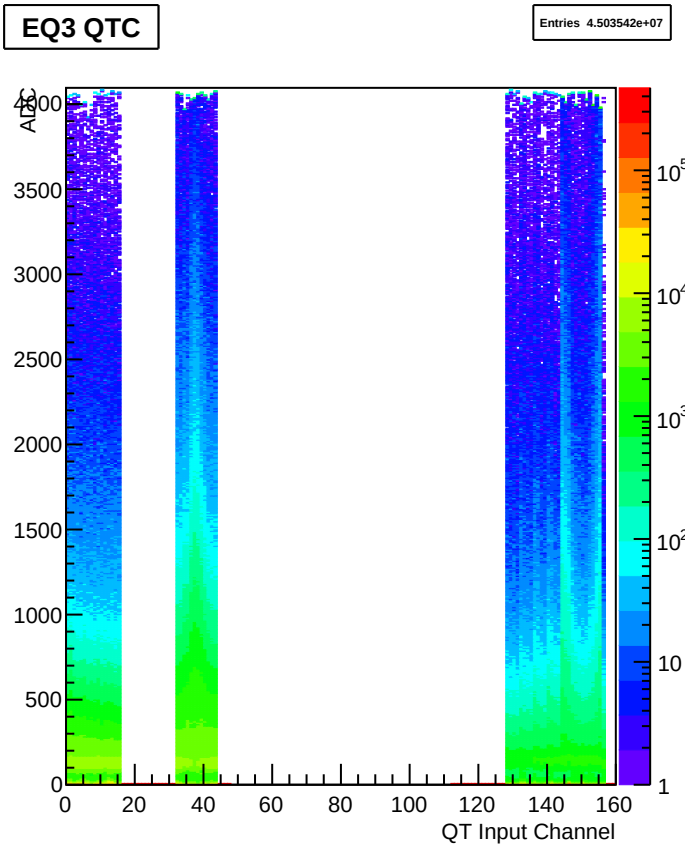

EQ2 QTB
Entries 5.380569e+07
TDC
QT Input Channel

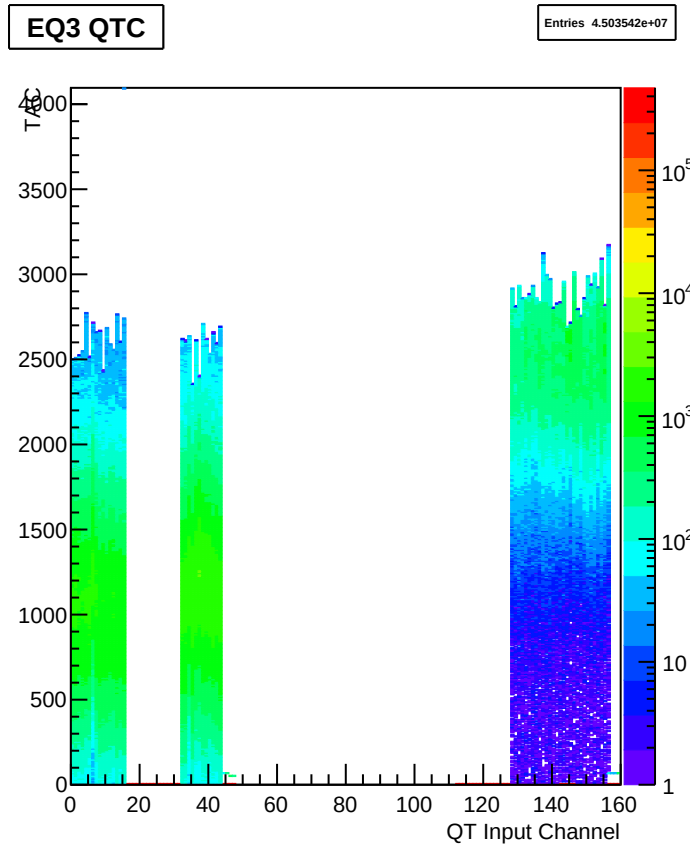

EQ2 QTC
Entries 4.503542e+07
ADC
QT Input Channel

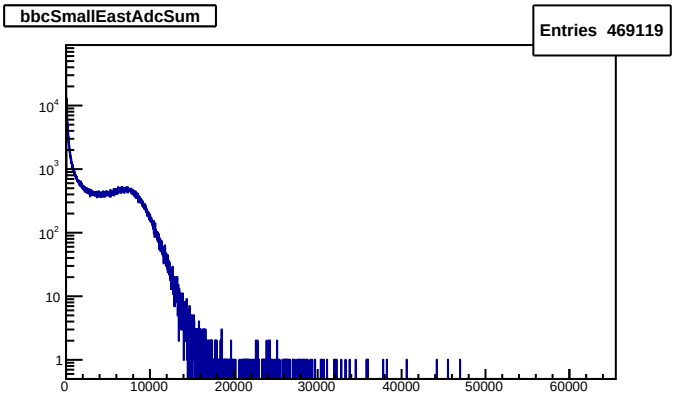

EQ2 QTC
Entries 4.503542e+07
TADC
QT Input Channel

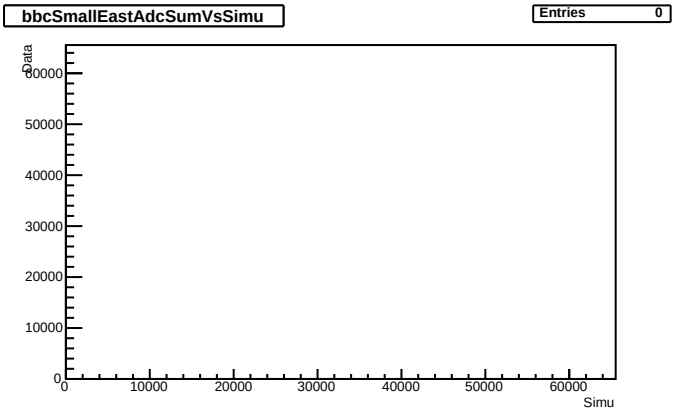

EQ3 QTB
Entries 1.200945e+08
ADC
QT Input Channel

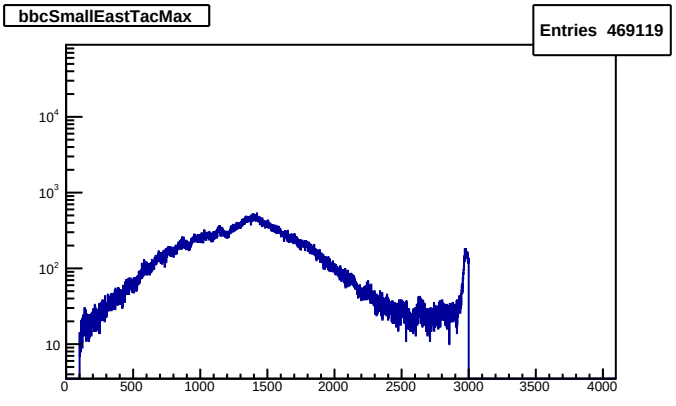

EQ3 QTB
Entries 3.760569e+07
TDC
QT Input Channel

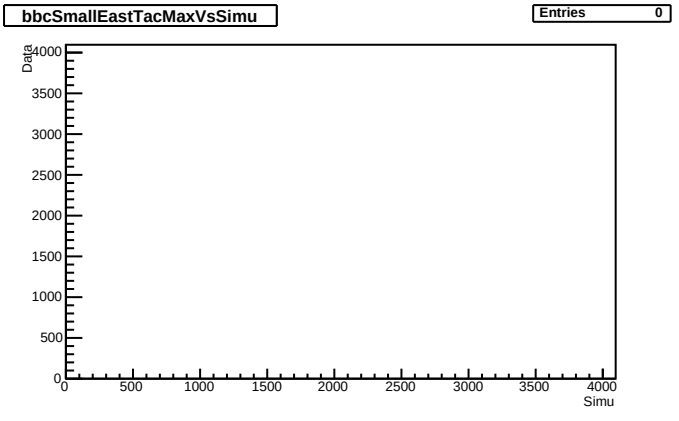

EQ3 QTC
Entries 4.503542e+07
ADC
QT Input Channel


EQ3 QTC
Entries 4.503542e+07
TADC
QT Input Channel


bbcSmallEastAdcSum
Entries 469119


bbcSmallEastAdcSumVsSimu
Entries 0
Data
Simu


bbcSmallEastTacMax
Entries 469119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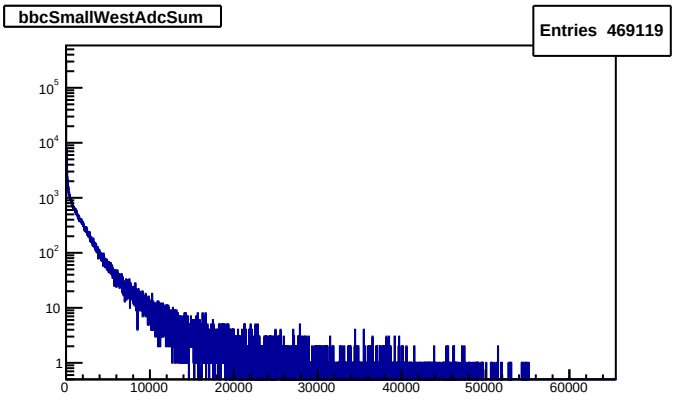
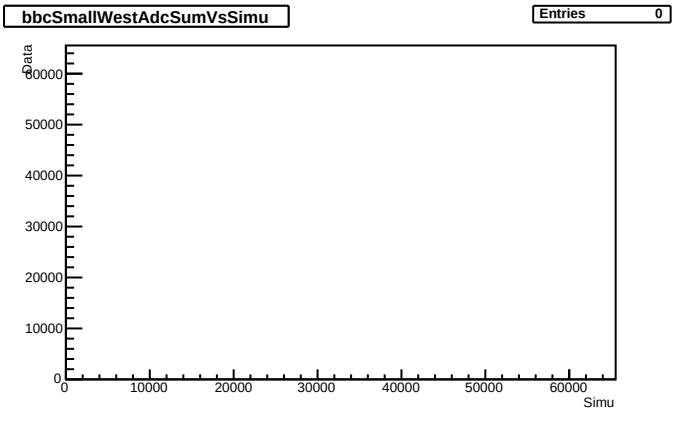
Entries 0
Data
Simu


bbcSmallWestAdcSum
Entries 469119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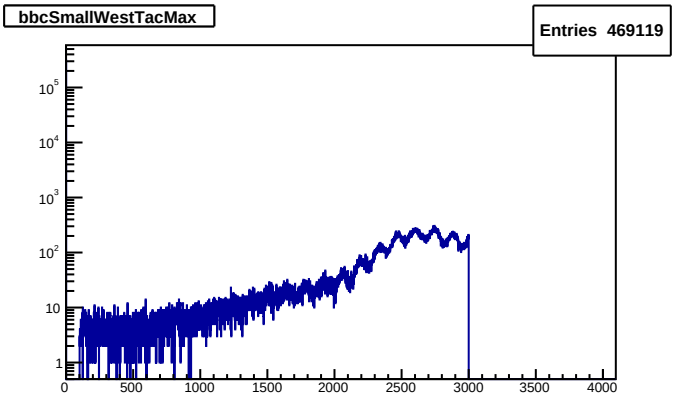
Entries 0
Data
Simu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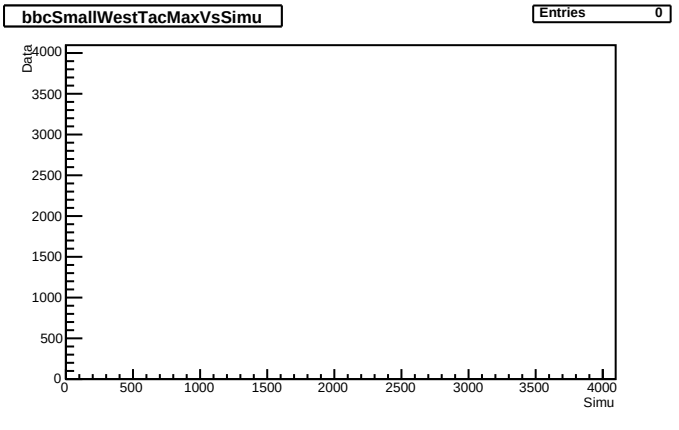
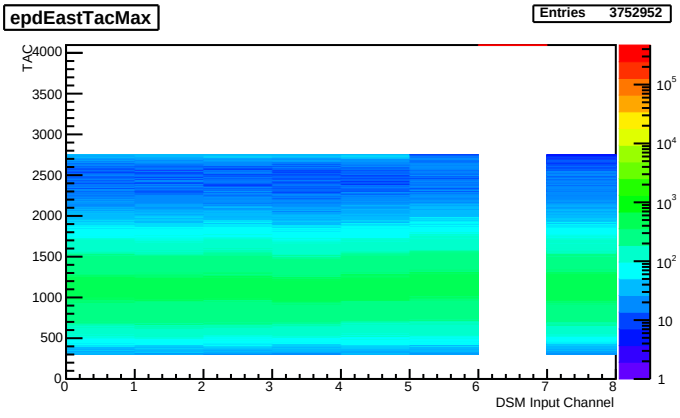
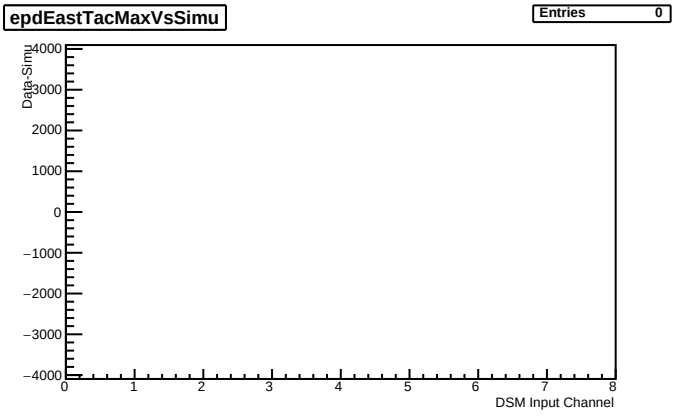
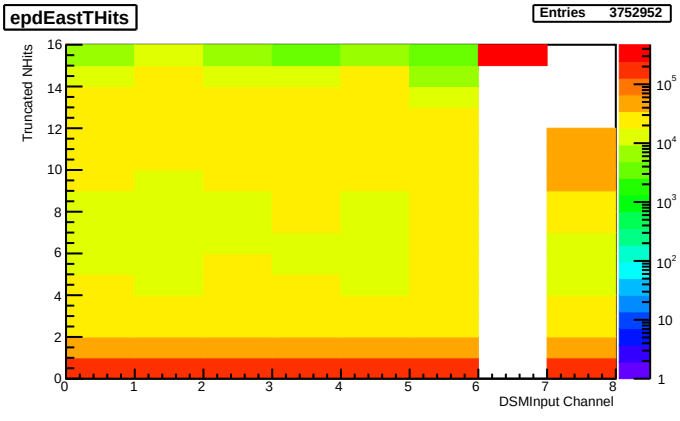
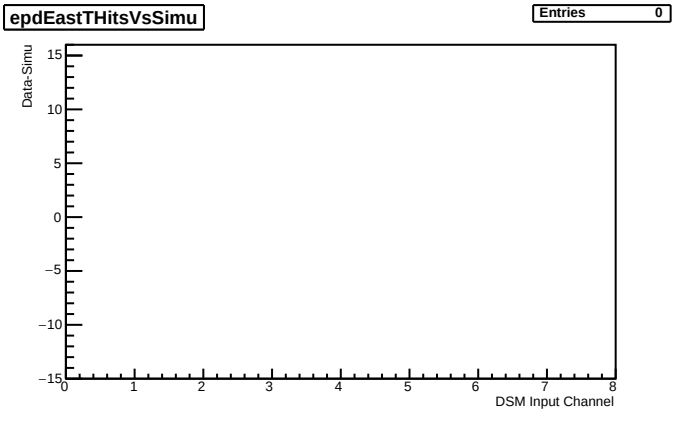
Entries 469119

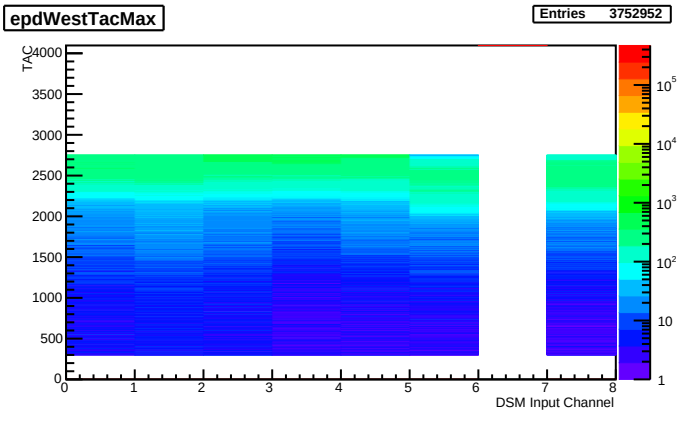

bbcSmallWestTacMaxVsSimu
Entries 0
Data
Simu

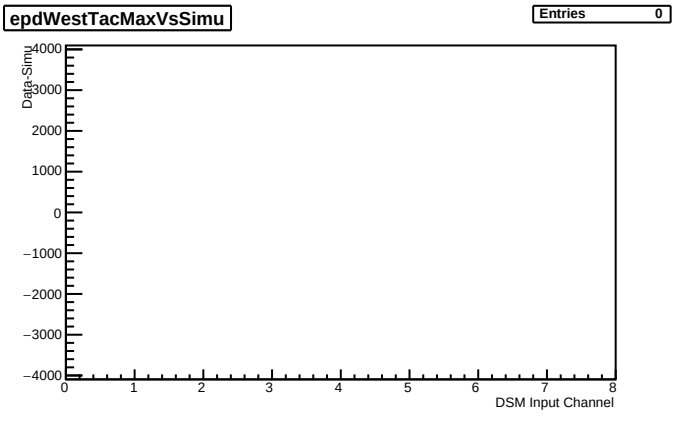

epdEastTacMax
Entries 3752952
TAC
DSM Input Channel


epdEastTacMaxVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTHits
Entries 3752952
Truncated NHits
DSMInput Channel


epdEastTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdWestTacMax
Entries 3752952
TAC
DSM Input Channel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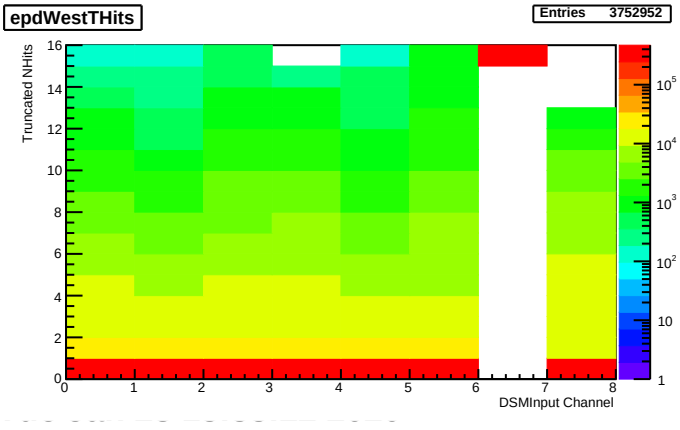
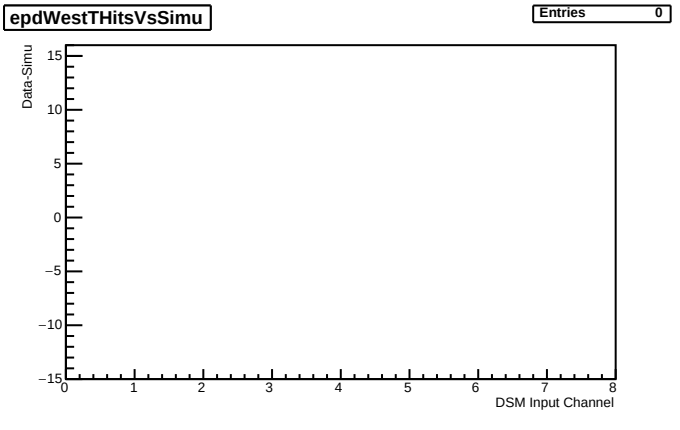
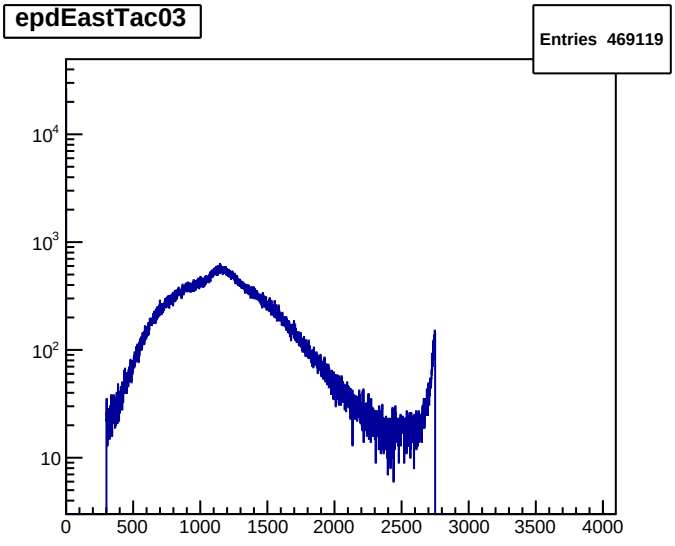
Entries 0
Data-Simu
DSM Input Channel


epdWestTHits
Entries 3752952
Truncated NHits
DSMInput Channel


epdWestTHitsVsSimu
Entries 0
Data-Simu
DSM Input Channel


epdEastTac03
Entries 469119
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$10^3$
$10^2$
10
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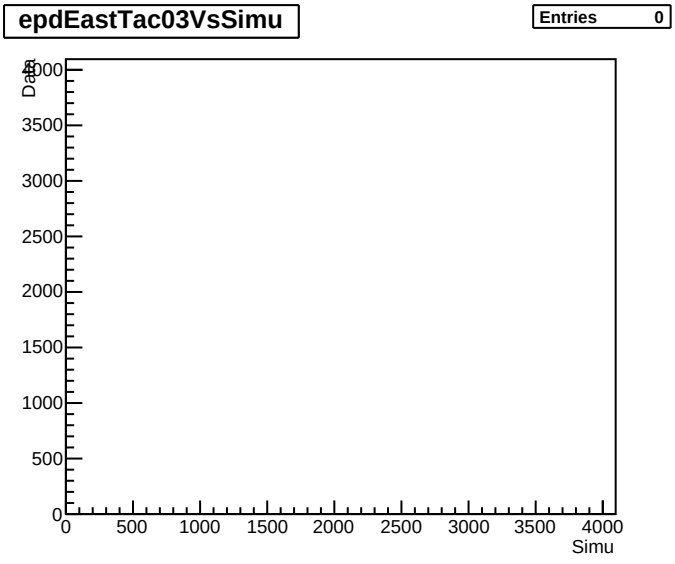
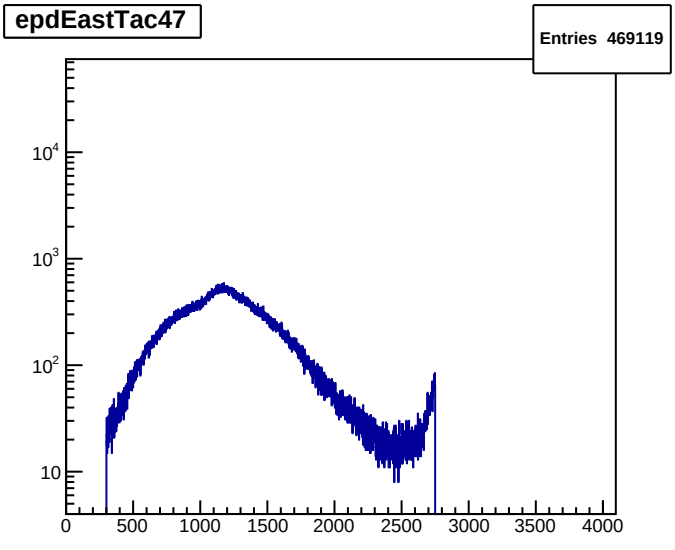

epdEastTac03VsSimu
Entries 0
Data
4000 3500 3000 2500 2000 1500 1000 500 0
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastTac47
Entries 469119
$10^4$
$10^3$
$10^2$
10
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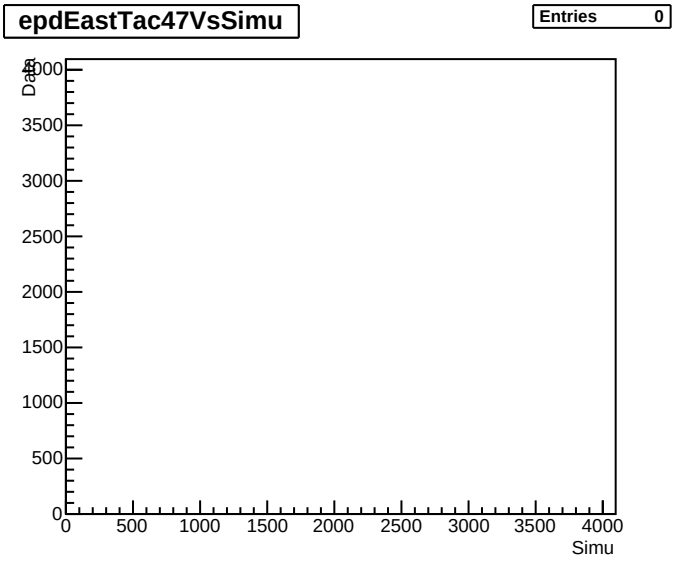
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Entries 0
Data
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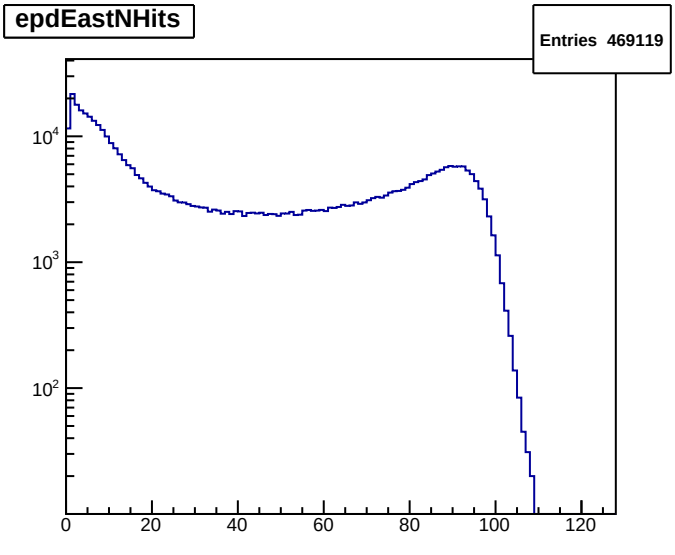
0 500 1000 1500 2000 2500 3000 3500 4000
Simu


epdEastNHits
Entries 469119
$10^4$
$10^3$
$10^2$
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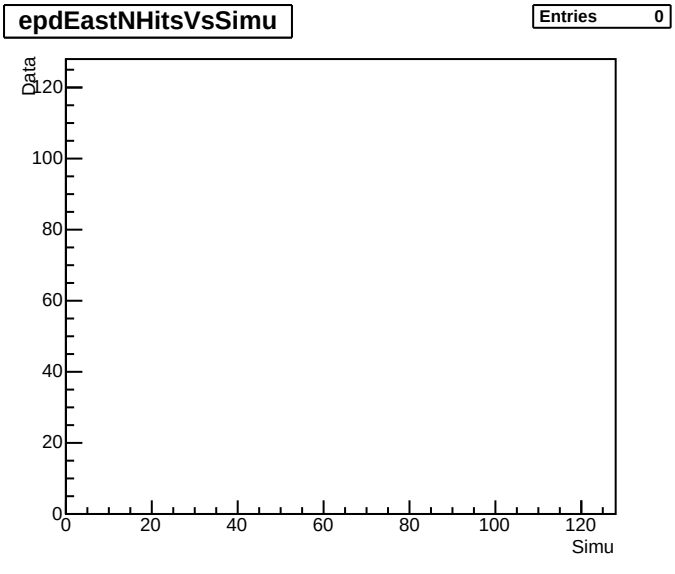
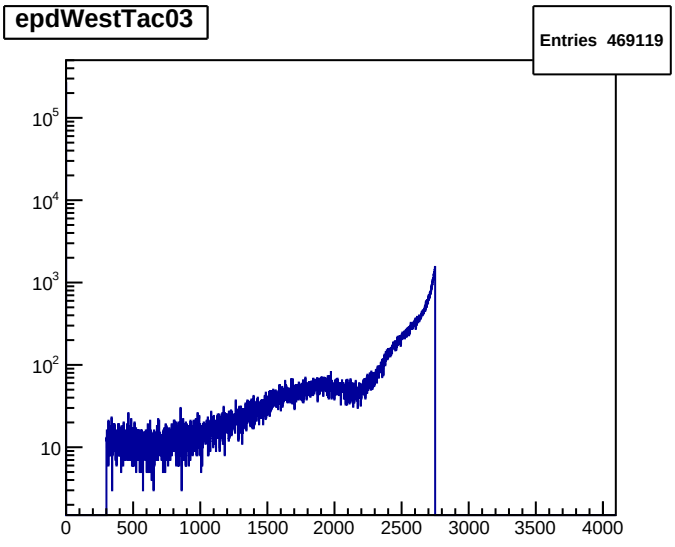
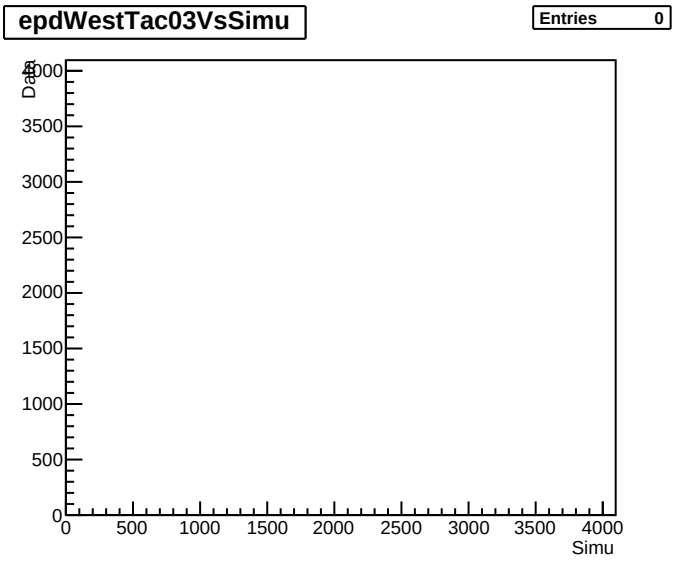

epdEastNHitsVsSimu
Entries 0
Data
120 100 80 60 40 20 0
0 20 40 60 80 100 120
Simu


epdWestTac03
Entries 469119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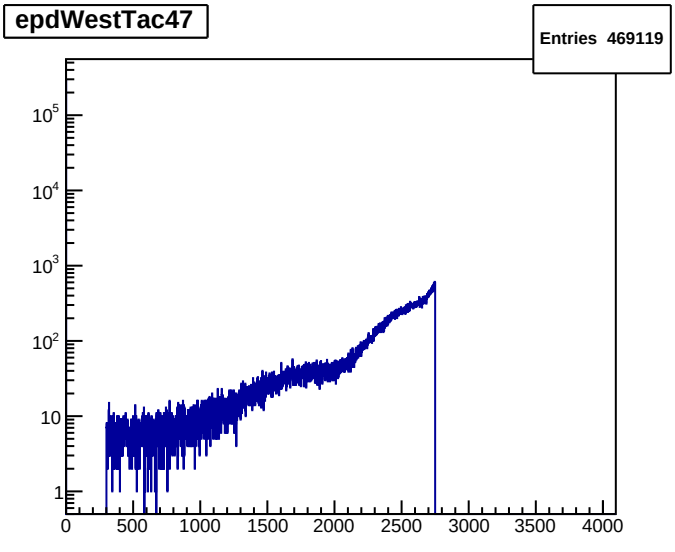
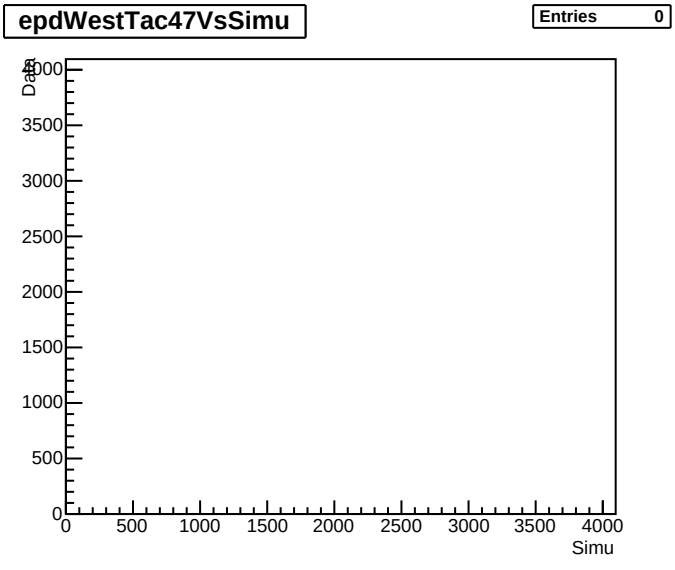
Entries 0
Data
Simu


epdWestTac47
Entries 469119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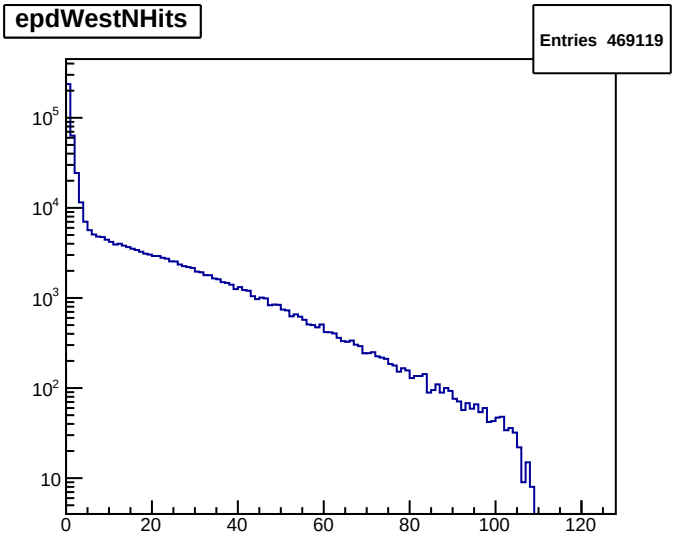
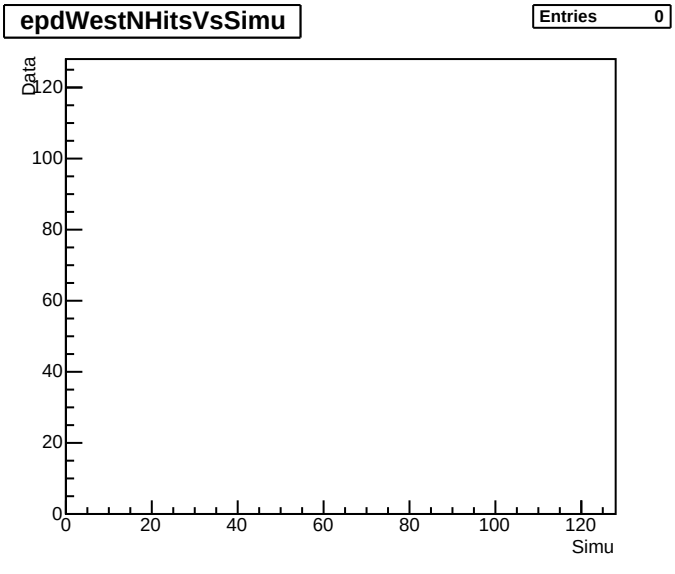
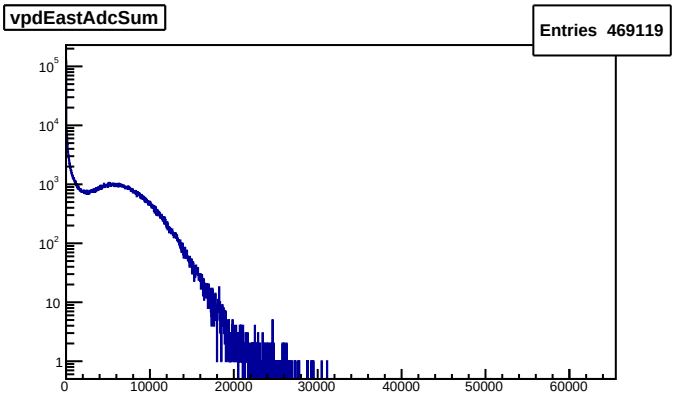
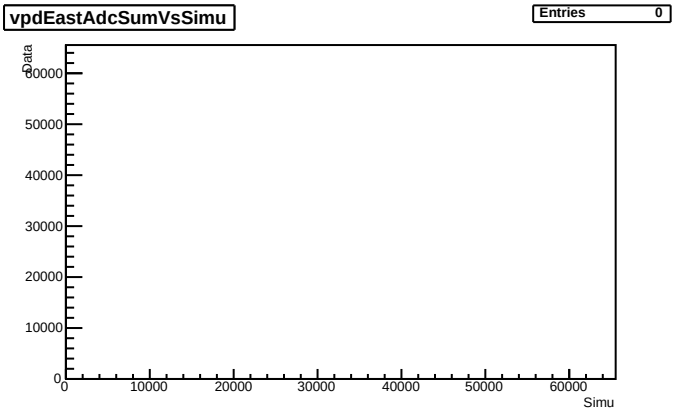
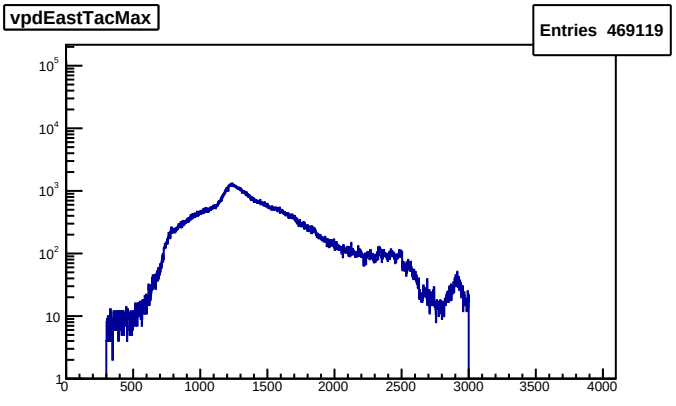
Entries 0
Data
Simu

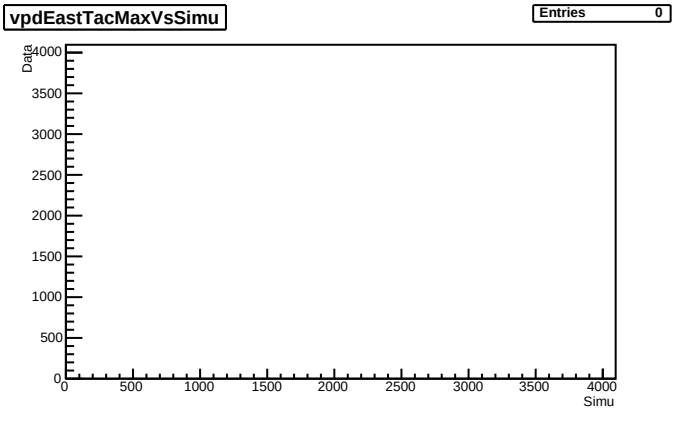

epdWestNHits
Entries 469119


epdWestNHitsVsSimu
Entries 0
Data
Simu


vpdEastAdcSum
Entries 469119


vpdEastAdcSumVsSimu
Entries 0
Data
Simu


vpdEastTacMax
Entries 469119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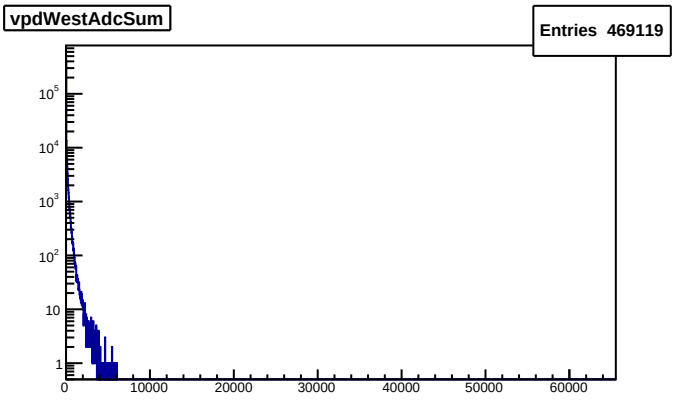
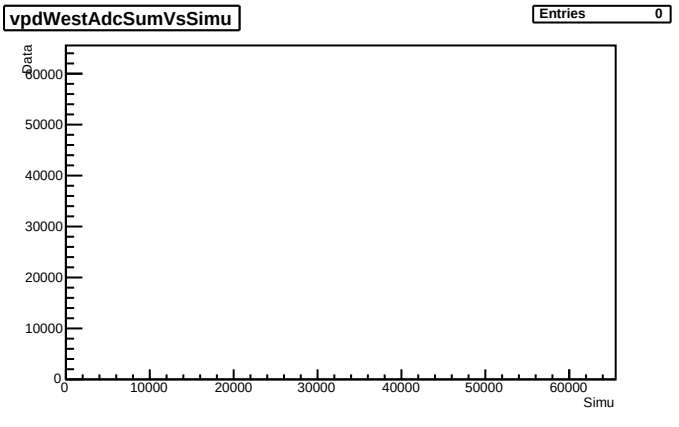
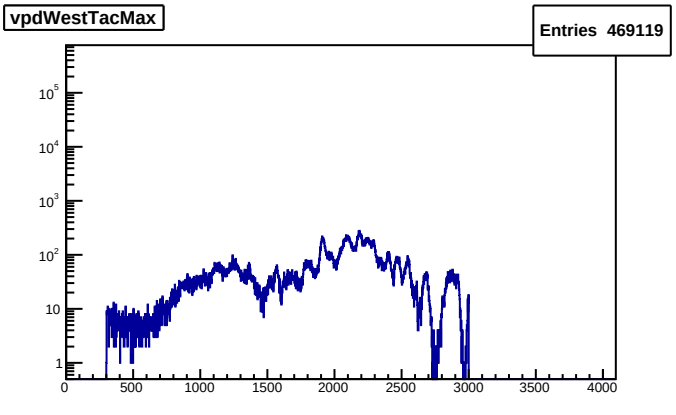
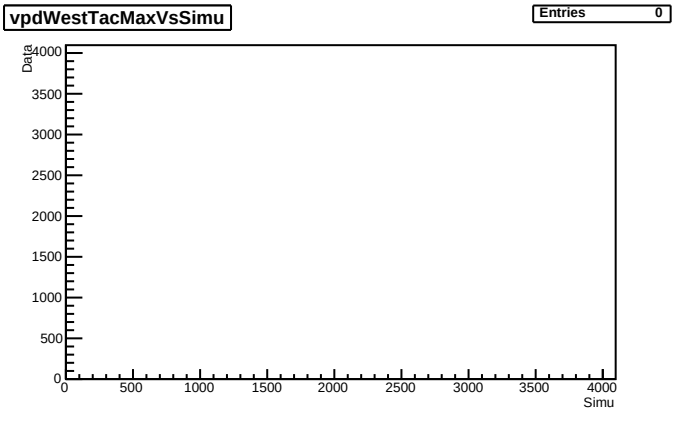
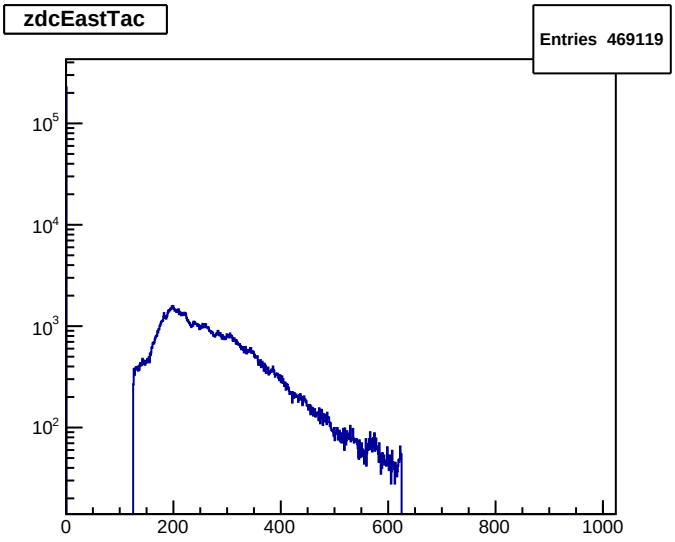
Entries 0
Data
Simu


vpdWestAdcSum
Entries 469119


vpdWestAdcSumVsSimu
Entries 0
Data
Simu


vpdWestTacMax
Entries 469119


vpdWestTacMaxVsSimu
Entries 0
Data
Simu


zdcEastTac
Entries 469119
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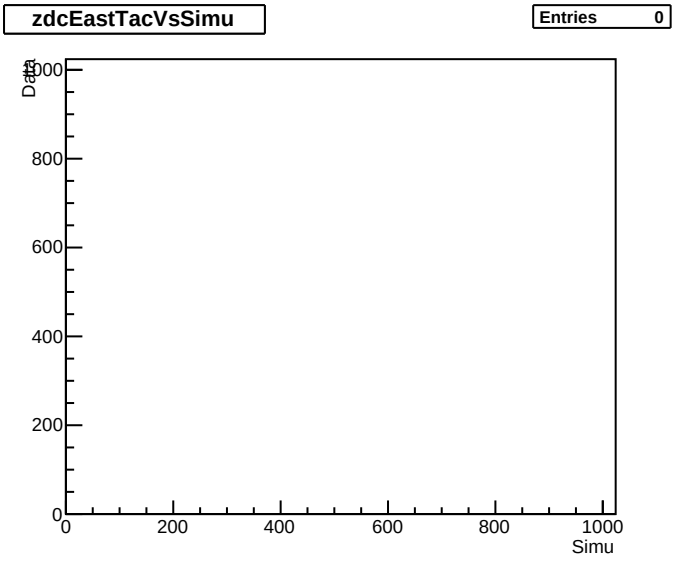
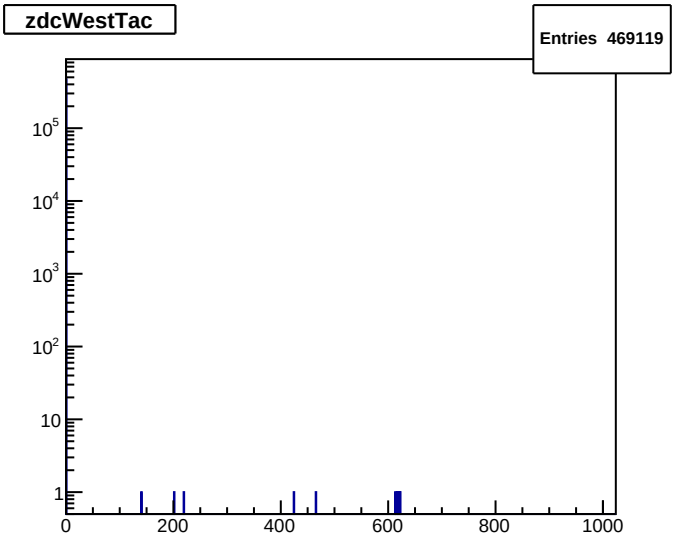
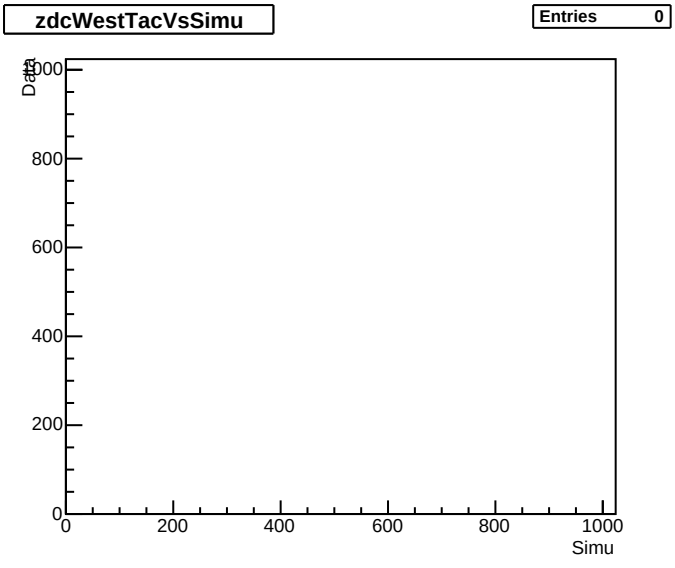
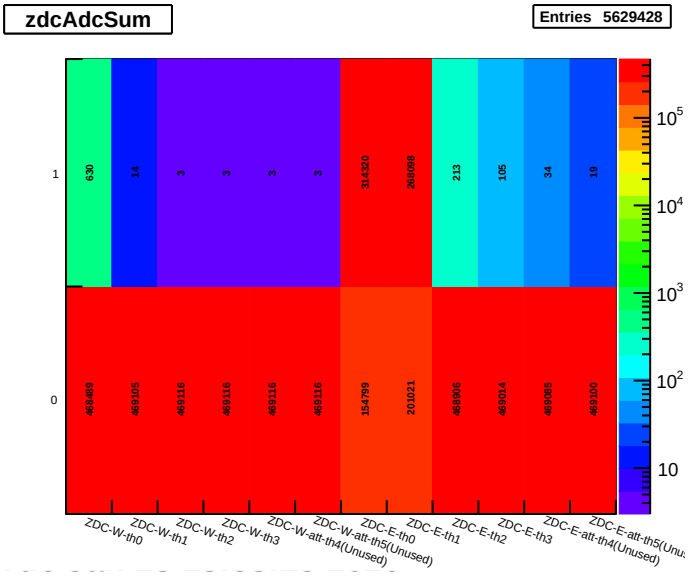
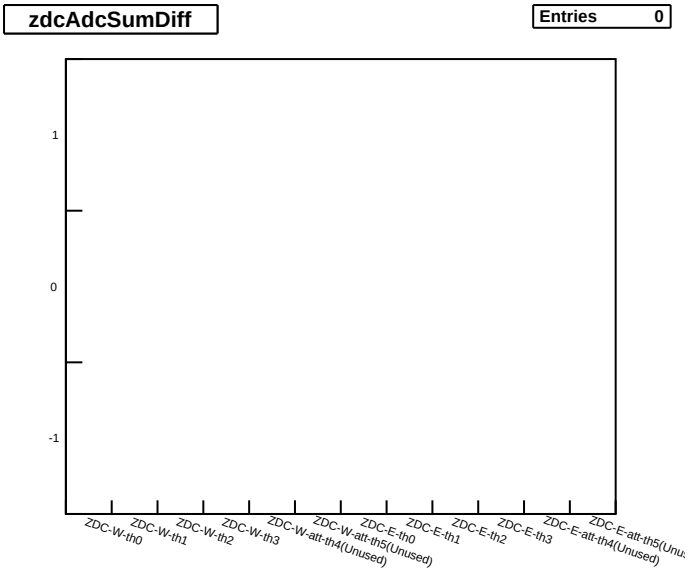
$10^4$
$10^3$
$10^2$
0
200
400
600
800
1000

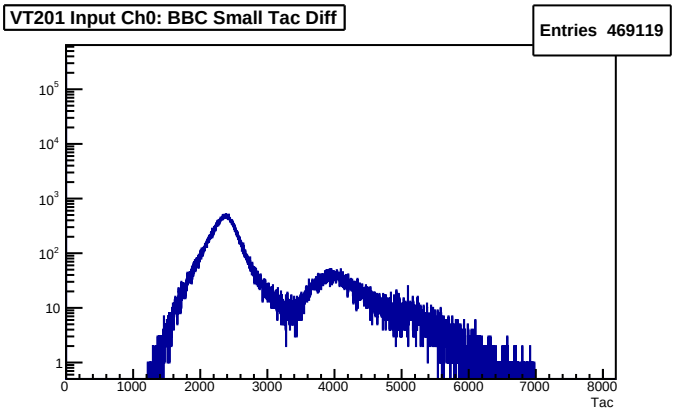

zdcEastTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

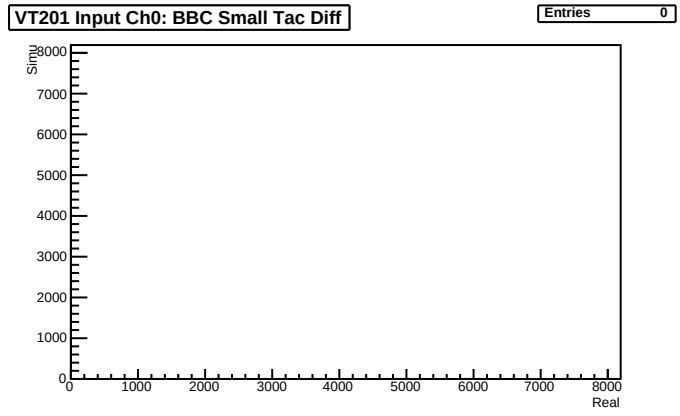

zdcWestTac
Entries 469119
$10^5$
$10^4$
$10^3$
$10^2$
10
1
0
200
400
600
800
1000

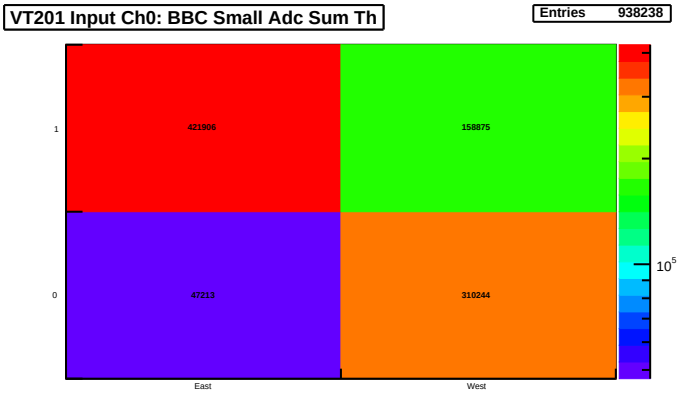

zdcWestTacVsSimu
Entries 0
Data
1000
800
600
400
200
0
0
200
400
600
800
1000
Simu

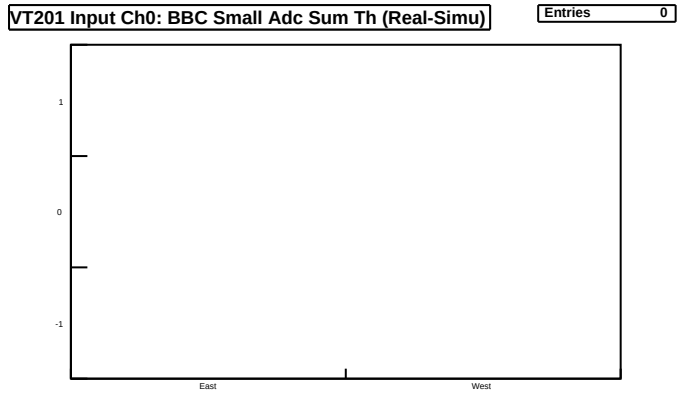

zdcAdcSum
Entries 5629428
1
0
630
14
3
3
3
3
314320
268098
213
105
34
19
468489
469105
469116
469116
469116
469116
154799
201021
468906
469014
469085
469100
$10^5$
$10^4$
$10^3$
$10^2$
10
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

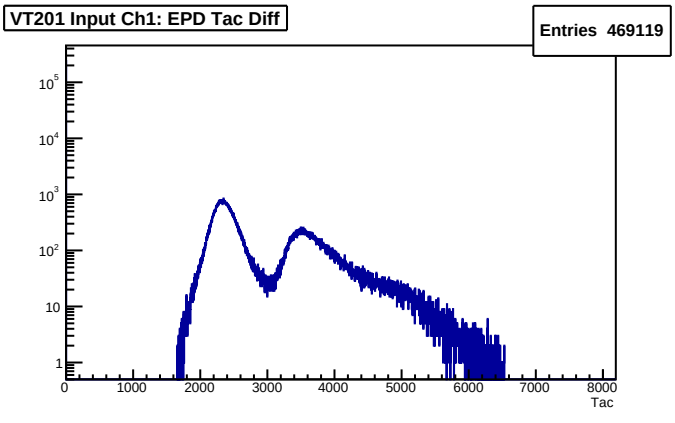

zdcAdcSumDiff
Entries 0
1
0
-1
ZDC-W-th0
ZDC-W-th1
ZDC-W-th2
ZDC-W-th3
ZDC-W-att-th4(Unused)
ZDC-W-att-th5(Unused)
ZDC-E-th0
ZDC-E-th1
ZDC-E-th2
ZDC-E-th3
ZDC-E-att-th4(Unused)
ZDC-E-att-th5(Unu

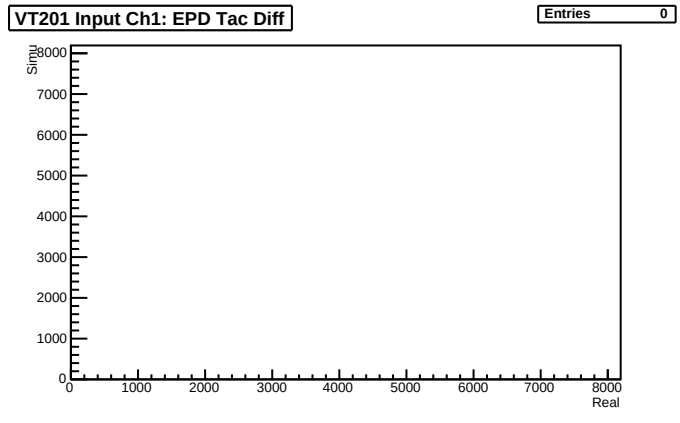

VT201 Input Ch0: BBC Small Tac Diff
Entries 469119
Tac

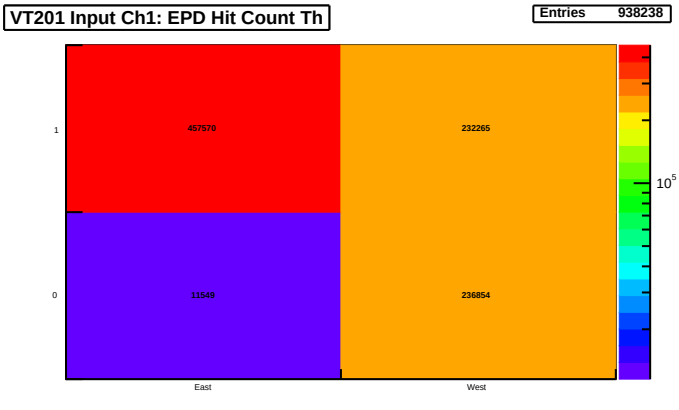

VT201 Input Ch0: BBC Small Tac Diff
Entries 0
Simu
Real

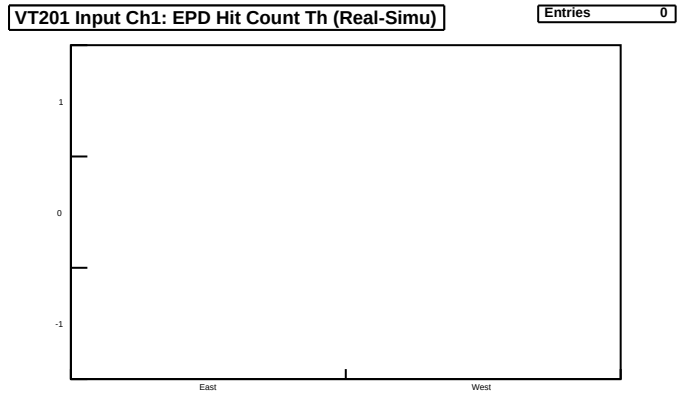

VT201 Input Ch0: BBC Small Adc Sum Th
Entries 938238
421906
158875
47213
310244
East
West

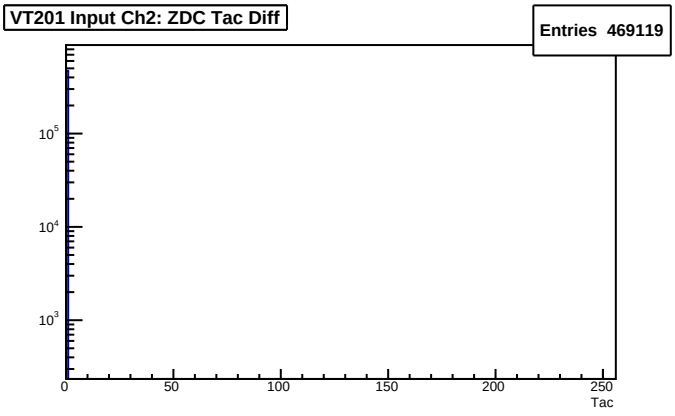

VT201 Input Ch0: BBC Small Adc Sum Th (Real-Simu)
Entries 0
East
West

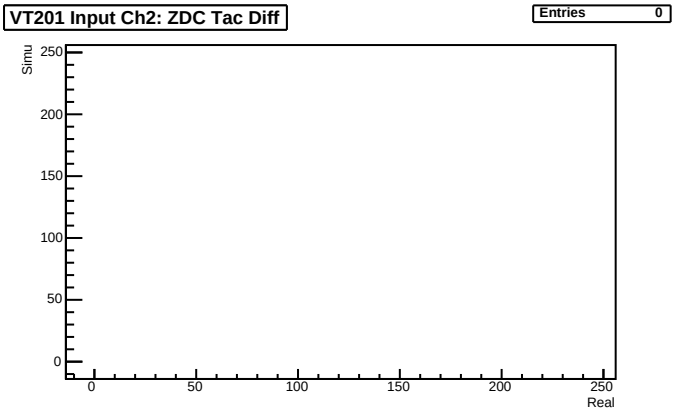

VT201 Input Ch1: EPD Tac Diff
Entries 469119
Tac

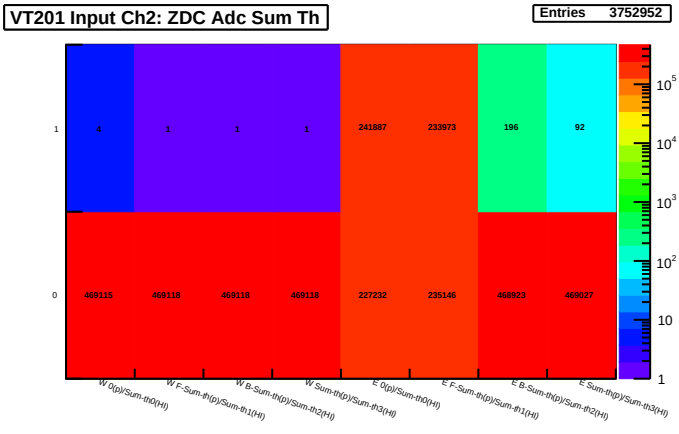

VT201 Input Ch1: EPD Tac Diff
Entries 0
Simu
Real

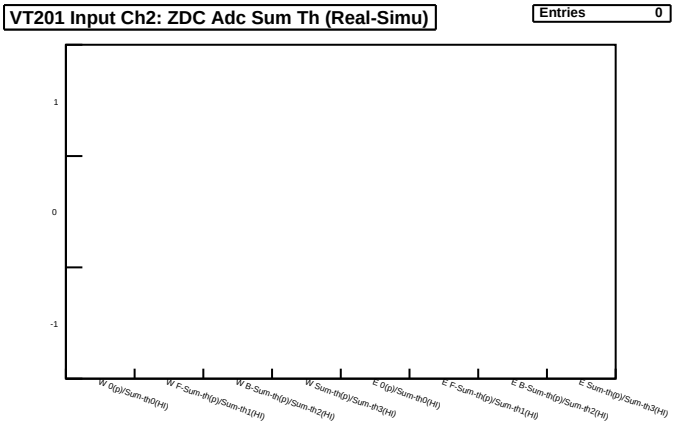

VT201 Input Ch1: EPD Hit Count Th
Entries 938238
457570
232265
11549
236854
East
West

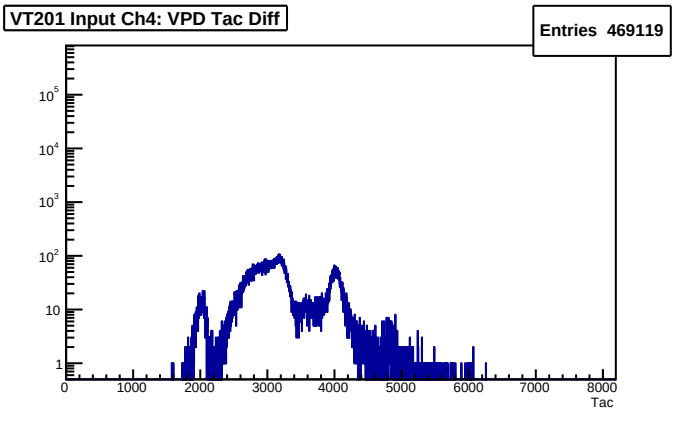

VT201 Input Ch1: EPD Hit Count Th (Real-Simu)
Entries 0
East
West

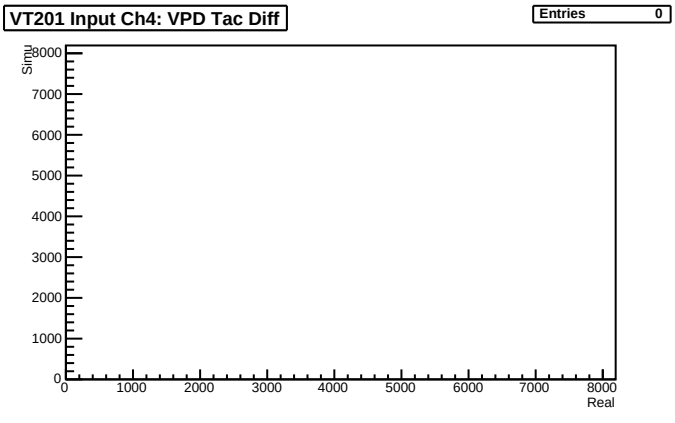

VT201 Input Ch2: ZDC Tac Diff
Entries 469119
Tac

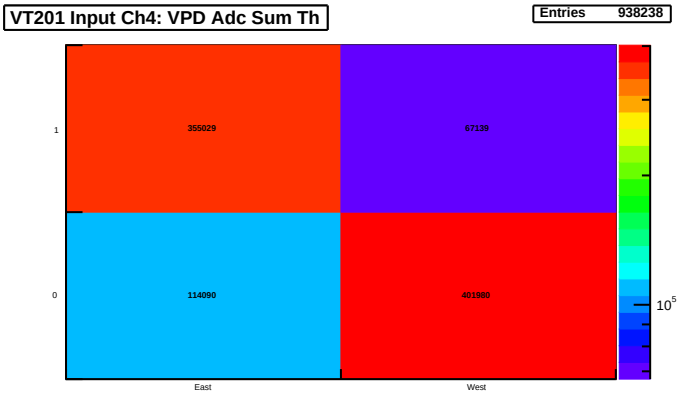

VT201 Input Ch2: ZDC Tac Diff
Entries 0
Simu
Real

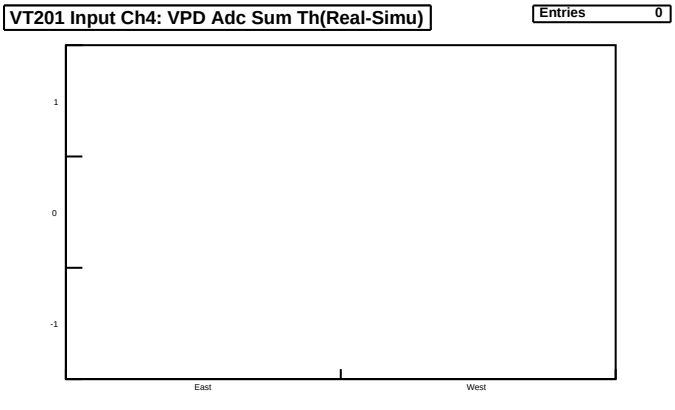

VT201 Input Ch2: ZDC Adc Sum Th
Entries 3752952
4
1
1
1
241887
233973
196
92
469115
469118
469118
469118
227232
235146
468923
469027
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

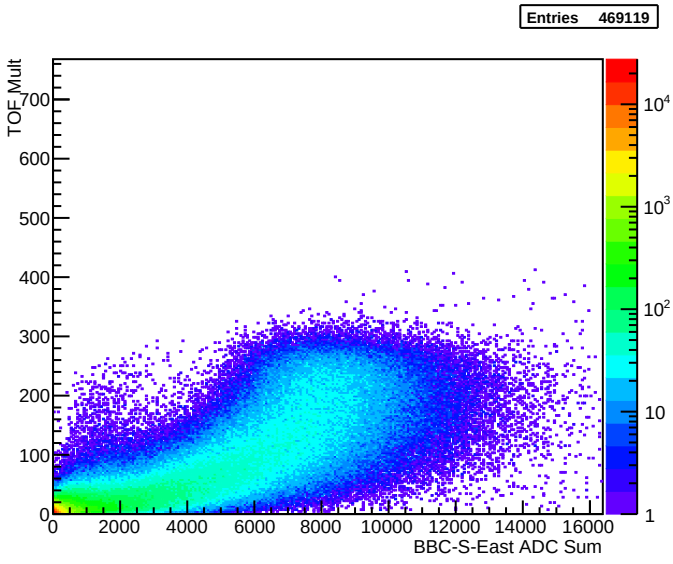

VT201 Input Ch2: ZDC Adc Sum Th (Real-Simu)
Entries 0
W 0(p)/Sum-th0(H)
W F-Sum-th(p)/Sum-th1(H)
W B-Sum-th(p)/Sum-th2(H)
W Sum-th(p)/Sum-th3(H)
E 0(p)/Sum-th0(H)
E F-Sum-th(p)/Sum-th1(H)
E B-Sum-th(p)/Sum-th2(H)
E Sum-th(p)/Sum-th3(H)

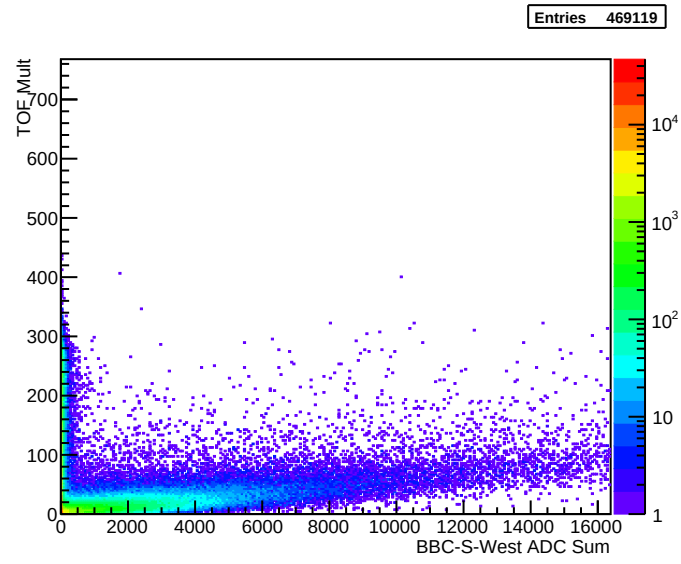

VT201 Input Ch4: VPD Tac Diff
Entries 469119
Tac

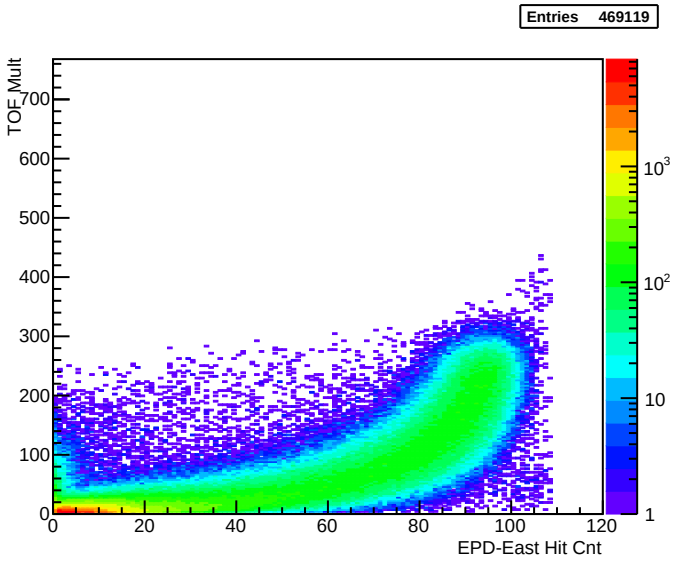

VT201 Input Ch4: VPD Tac Diff
Entries 0
Simu
Real

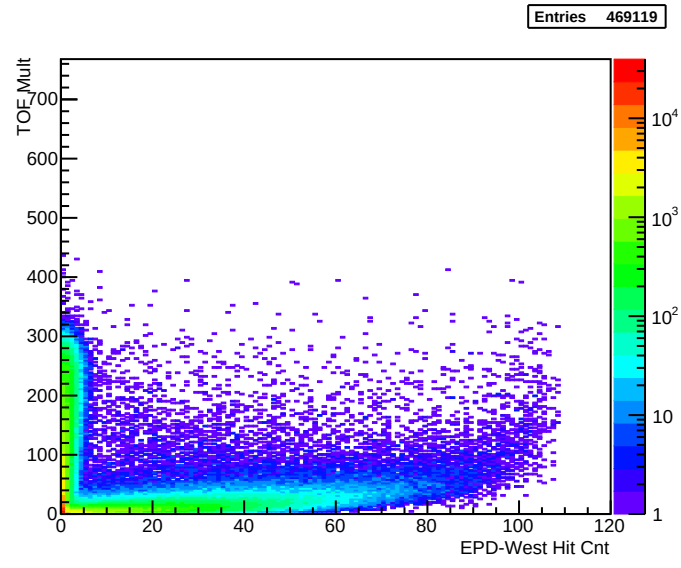

VT201 Input Ch4: VPD Adc Sum Th
Entries 938238
355029
67139
114090
401980
East
West

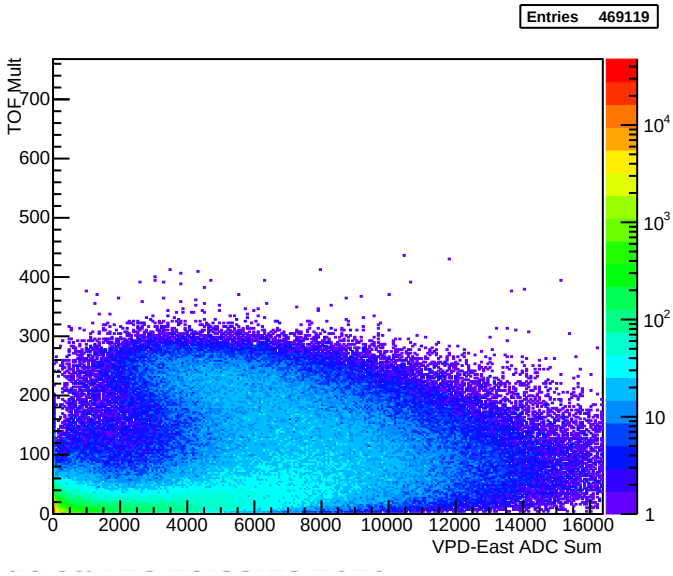

VT201 Input Ch4: VPD Adc Sum Th(Real-Simu)
Entries 0
East
West

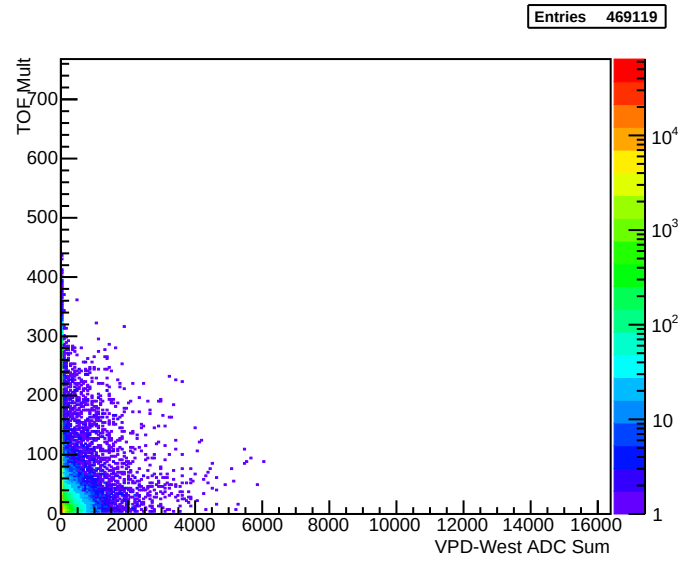

Entries 469119
TOF_Mult
BBC-S-East ADC Sum

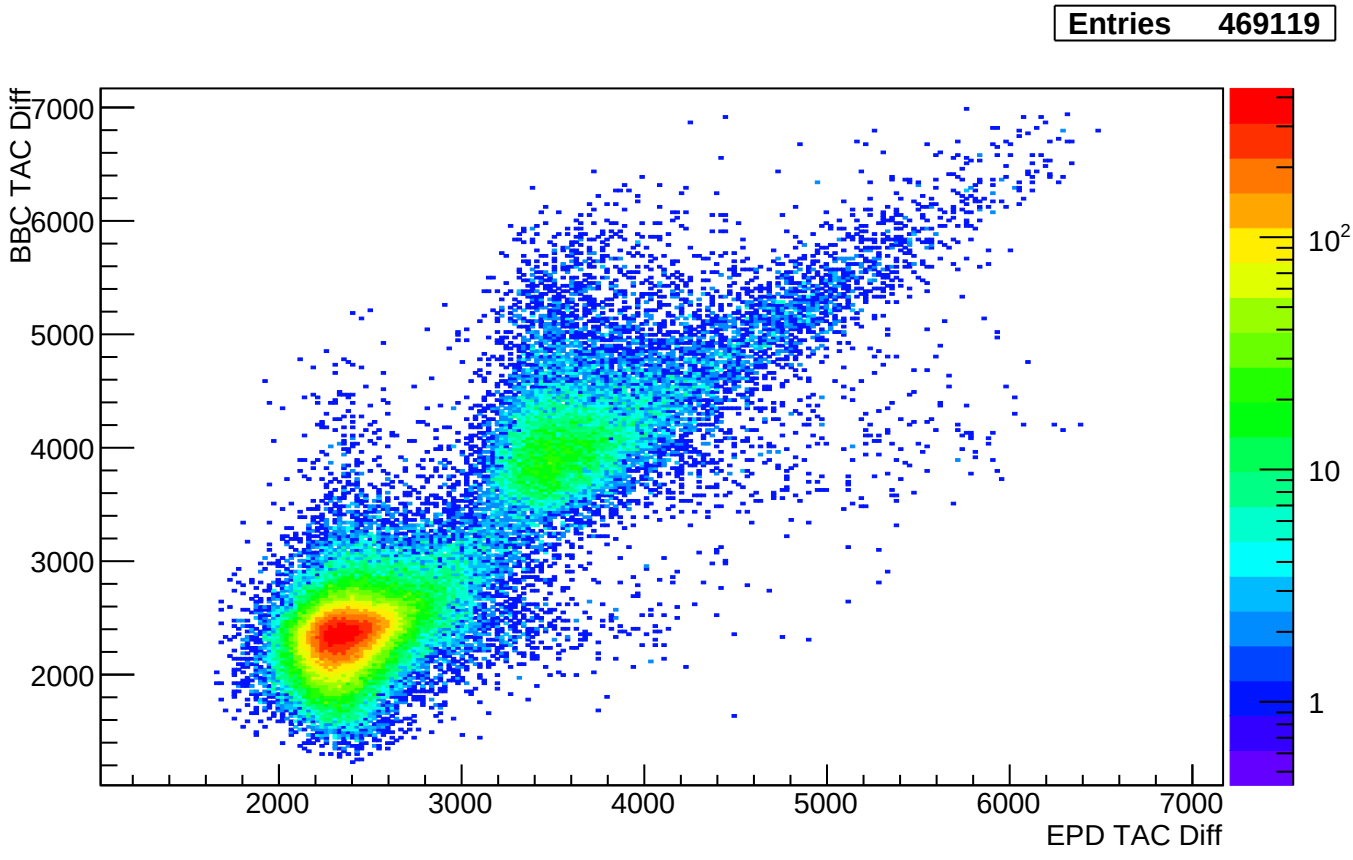

Entries 469119
TOF_Mult
BBC-S-West ADC Sum

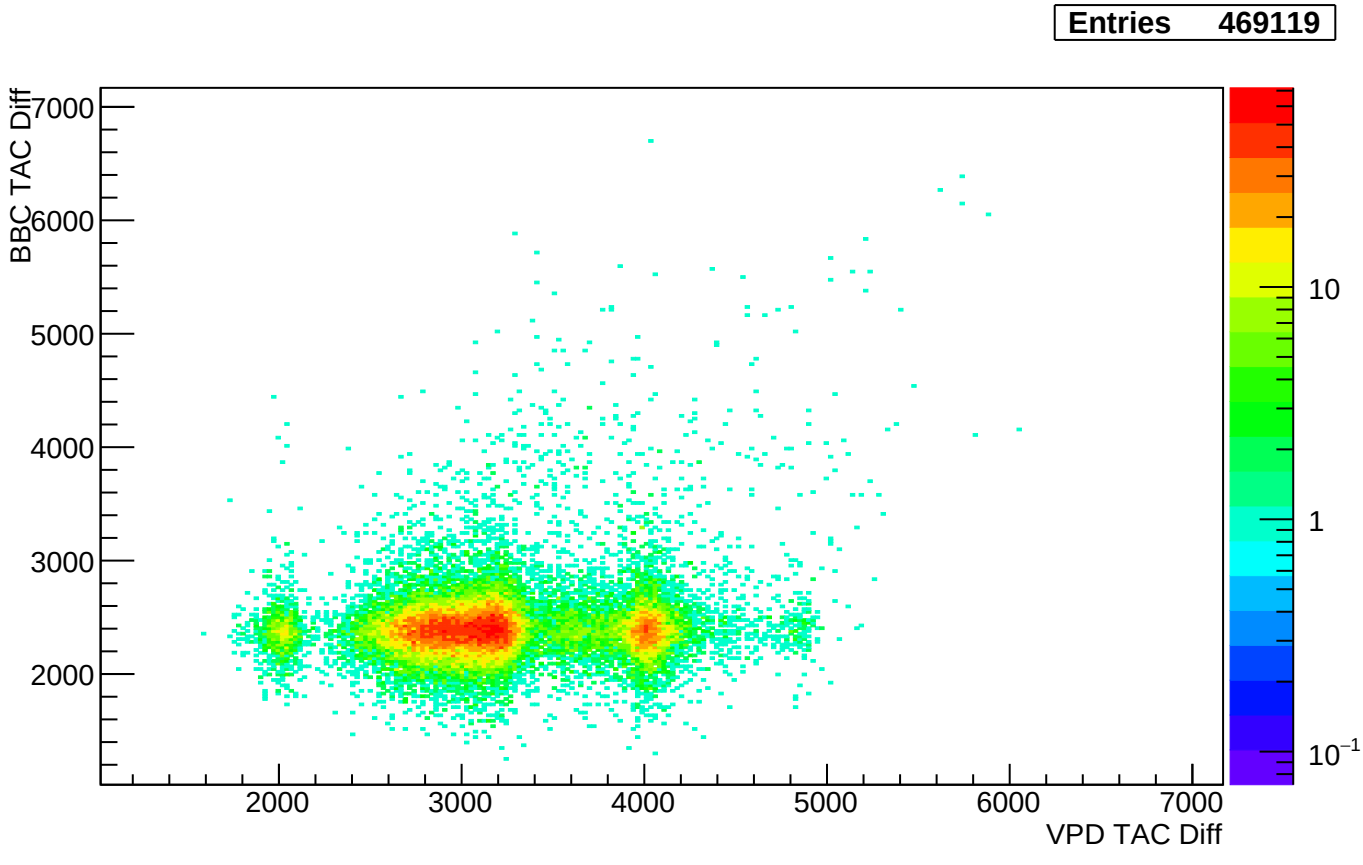

Entries 469119
TOF_Mult
EPD-East Hit Cnt

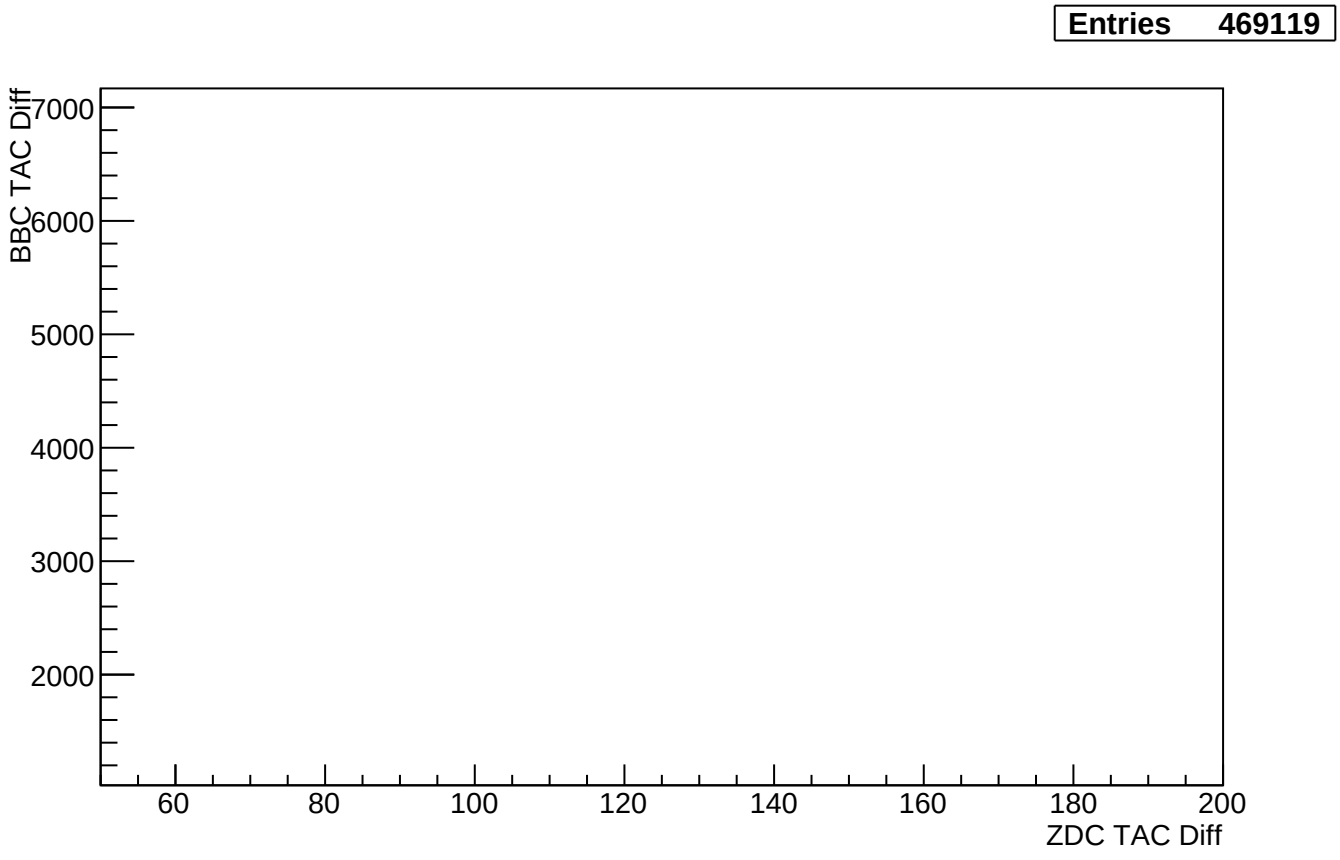

Entries 469119
TOF_Mult
EPD-West Hit Cnt

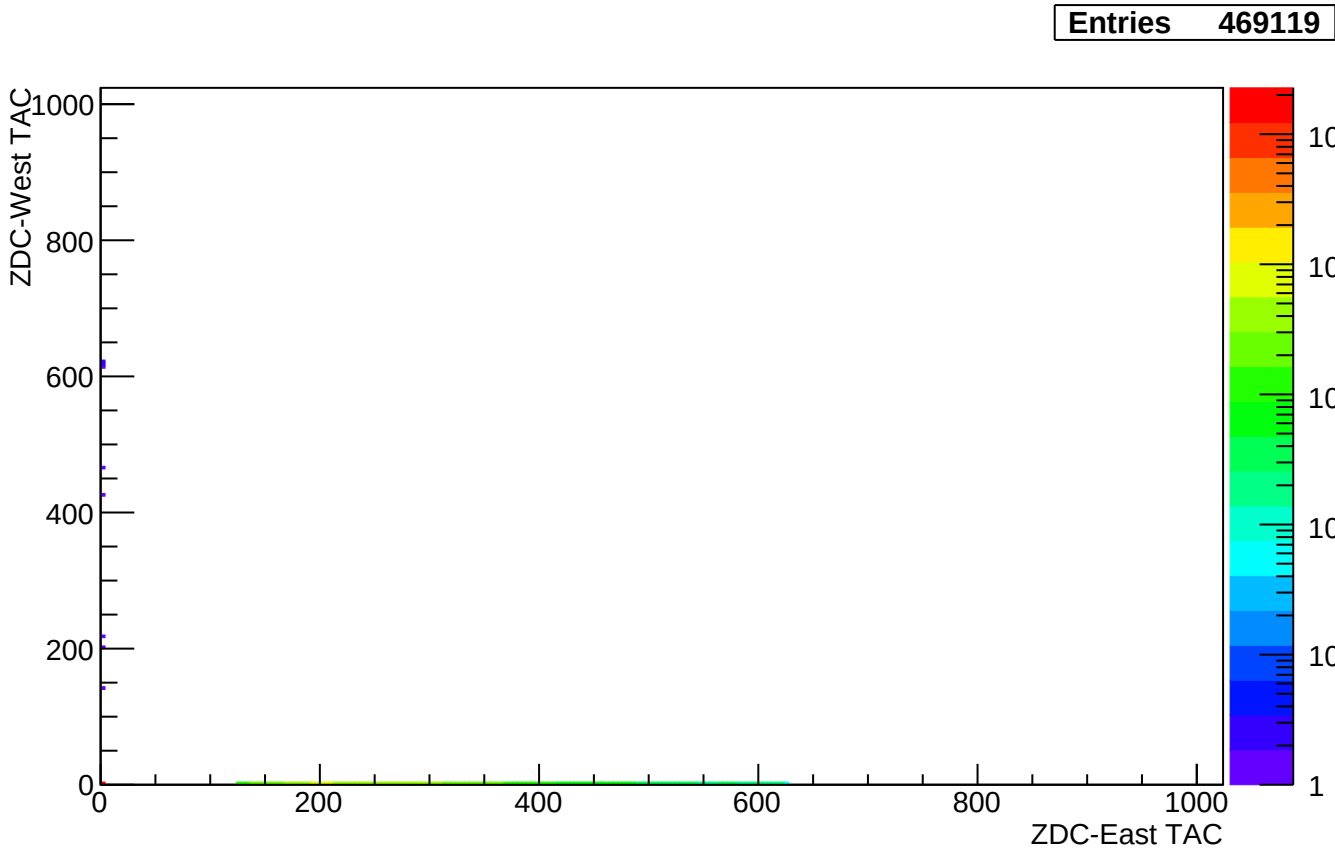

Entries 469119
TOF_Mult
VPD-East ADC Sum

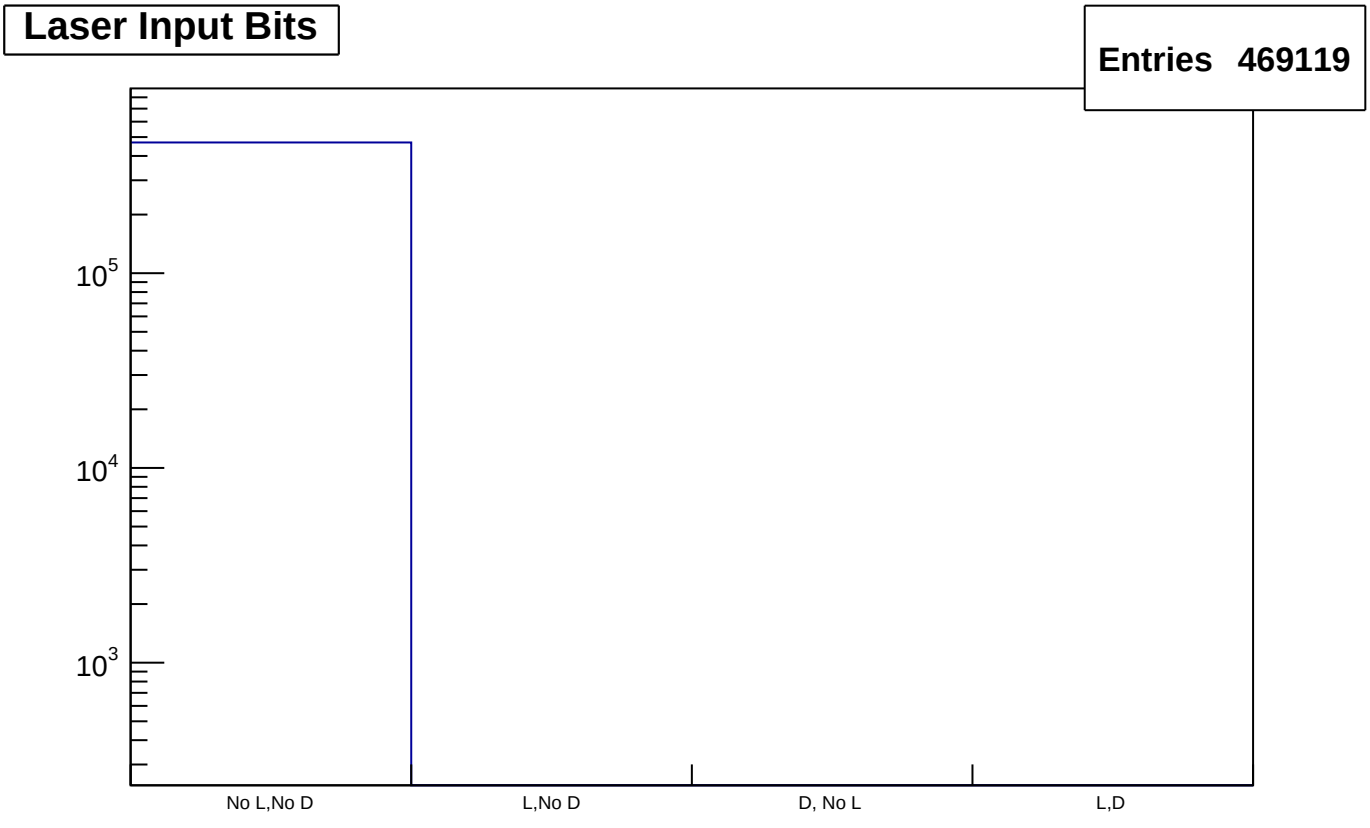

Entries 469119
TOF_Mult
VPD-West ADC Sum

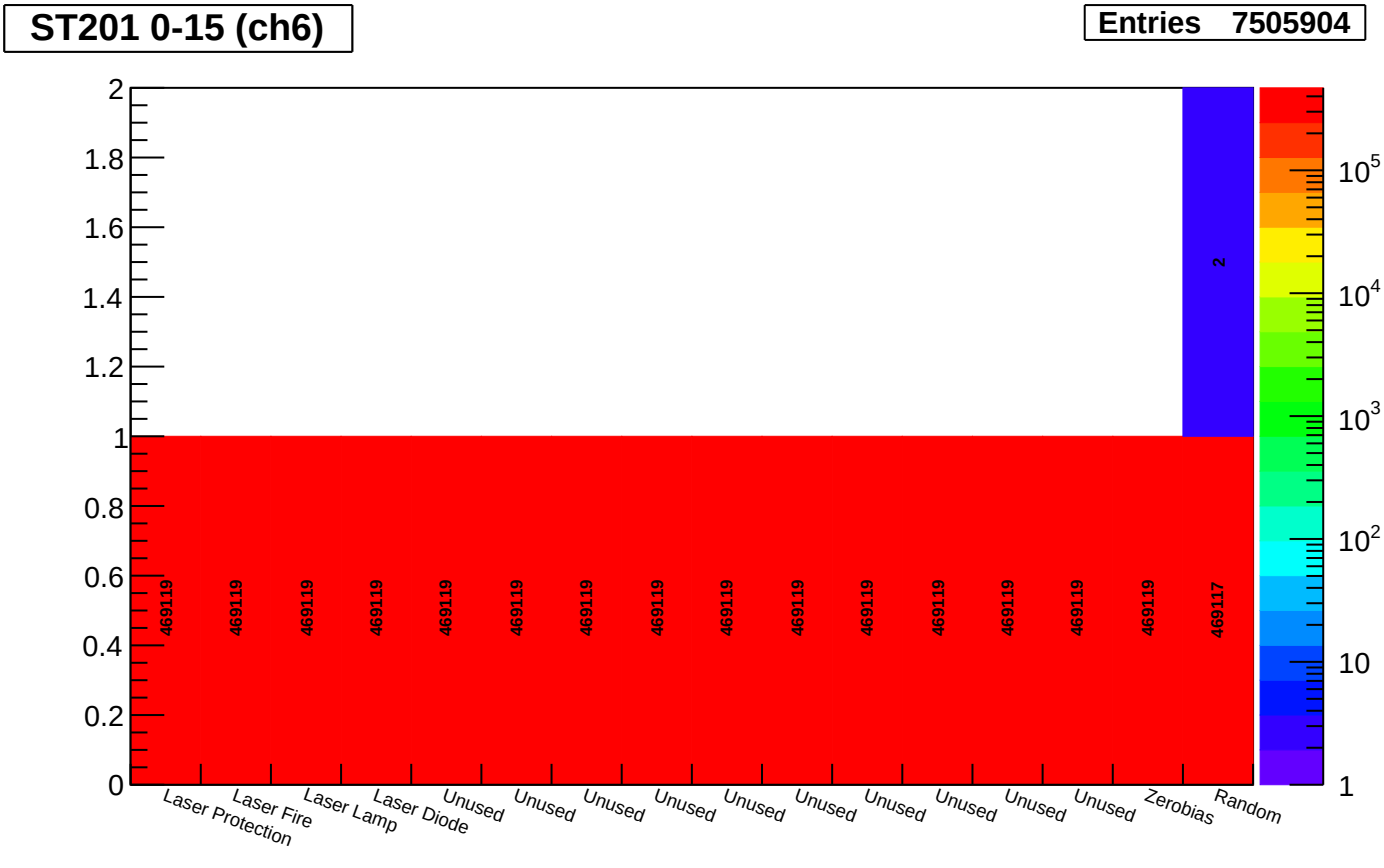

Entries 469119
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
EPD TAC Diff
$10^2$
10
1

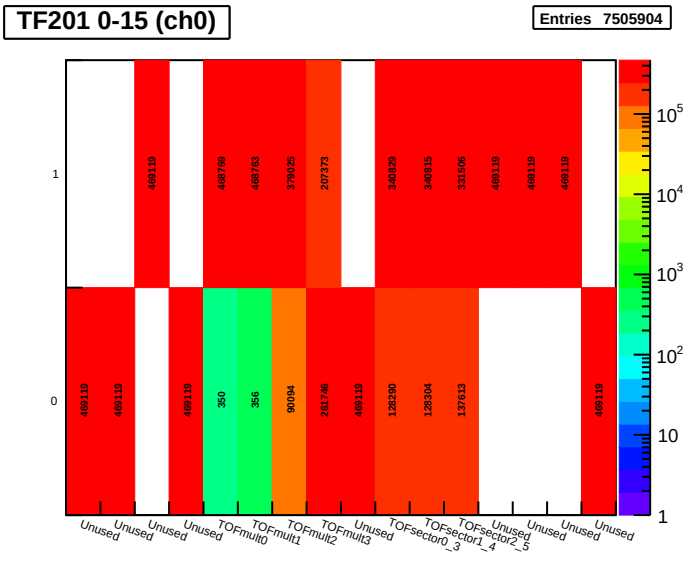

Entries 469119
BBC TAC Diff
7000
6000
5000
4000
3000
2000
2000
3000
4000
5000
6000
7000
VPD TAC Diff
10
1
$10^{-1}$

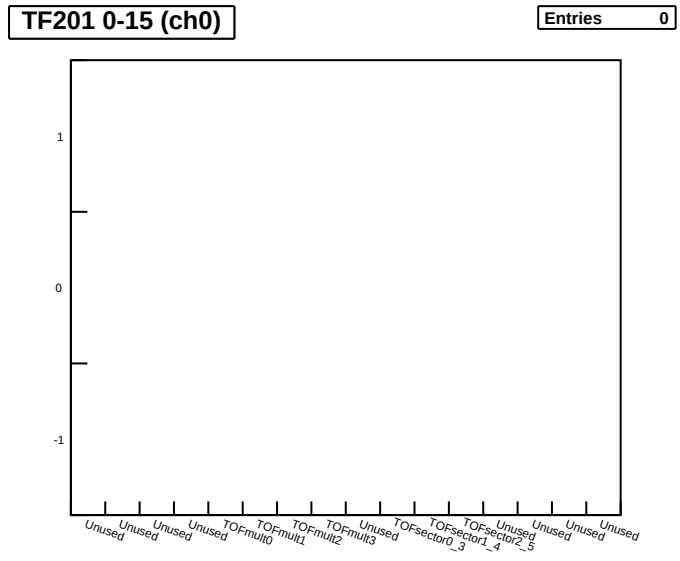

Entries 469119
BBC TAC Diff
7000
6000
5000
4000
3000
2000
60
80
100
120
140
160
180
200
ZDC TAC Diff

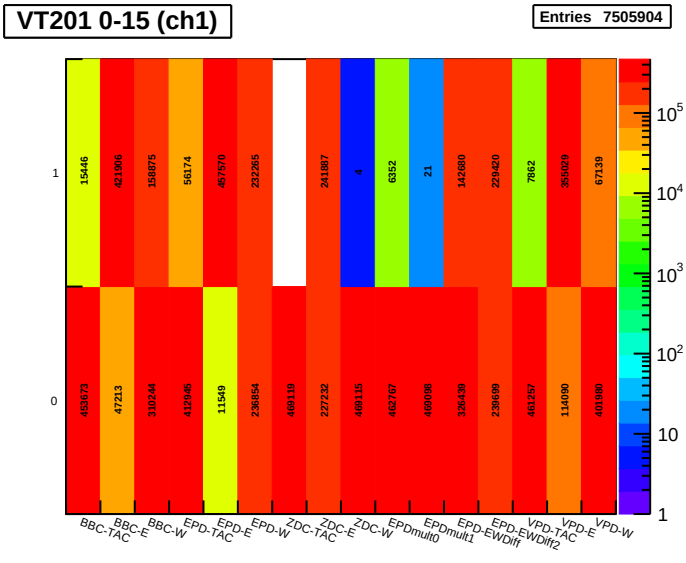

Entries 469119
ZDC-West TAC
1000
800
600
400
200
0
0
200
400
600
800
1000
ZDC-East TAC
$10^5$
$10^4$
$10^3$
$10^2$
10
1

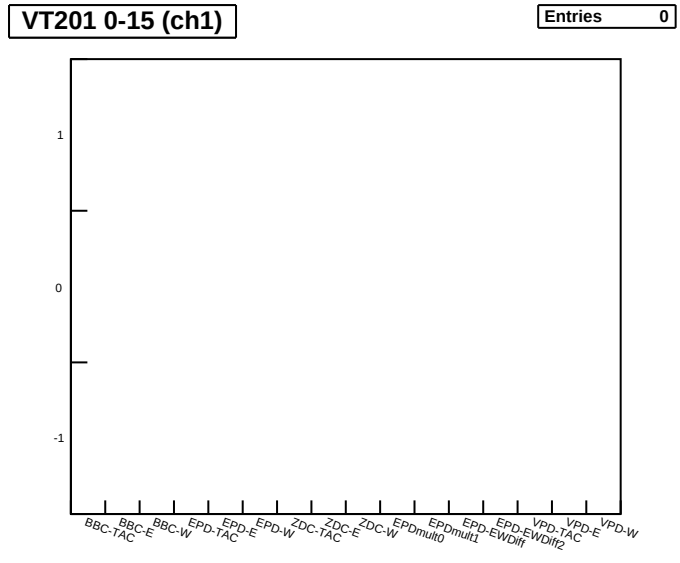

Laser Input Bits
Entries 469119
$10^5$
$10^4$
$10^3$
No L,No D
L,No D
D, No L
L,D

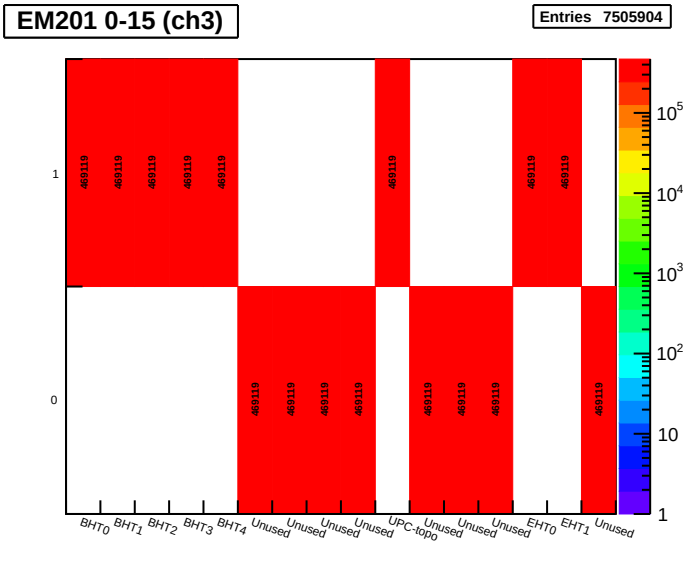

ST201 0-15 (ch6)
Entries 7505904
2
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
469119
469117
2
$10^5$
$10^4$
$10^3$
$10^2$
10
1
Laser Protection
Laser Fire
Laser Lamp
Laser Diode
Unused
Zerobias
Random

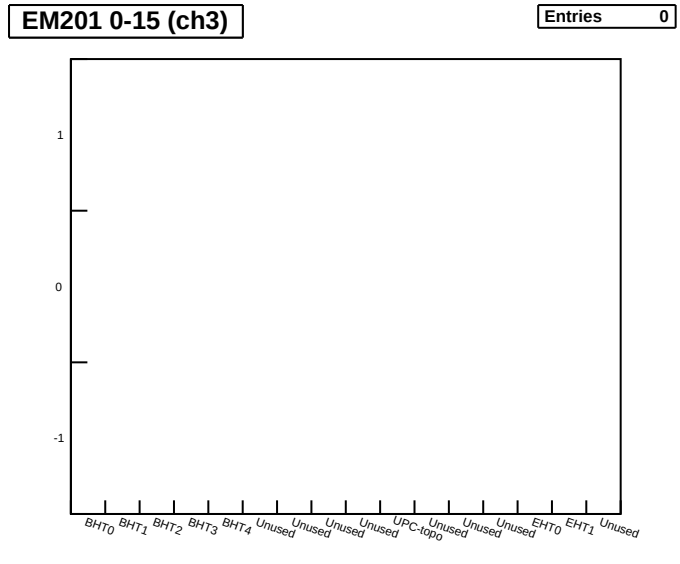

TF201 0-15 (ch0)
Entries 7505904
1
0
469119 469119 469119 469119 468769 468763 379025 207373 469119 469119 469119 350 356 90094 261746 469119 128290 128304 137613 469119
Unused Unused Unused Unused TOFmult0 TOFmult1 TOFmult2 TOFmult3 Unused TOFsector0_3 TOFsector1_4 TOFsector2_5 Unused Unused Unused 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 7505904
1
0
15446 421986 158875 56174 457570 232265 241887 4 6352 21 142680 229420 7862 355029 67139
453673 47213 310244 412945 11549 236854 469119 227232 469115 462767 469098 326439 239699 461257 114090 401980
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 7505904
1
0
469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119 469119
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